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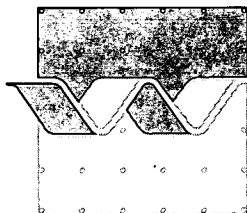
Rijkswaterstaat  
Dienst Weg- en Waterbouwkunde

taluds van losgestorte materialen

profielen dynamische stabiliteit

M 1983 bijlage C  
januari 1988

verslag modelonderzoek



waterloopkundig laboratorium | WL

taluds van losgestorte materialen

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J.W.van der Meer

## Samenvatting

Bij het onderzoek M 1983 zijn ongeveer 800 profielen gemeten van taluds van losgestorte materialen onder golfaanval.

Het onderzoek heeft zich gericht op statische stabiliteit (bepaling van schade) en op dynamische stabiliteit (bepaling van profiel). In beide gevallen werd het talud voor, tijdens en na de proef gepeild. In deze bijlage C zijn alle peilingen betreffende dynamische stabiliteit bijeengebracht. De resultaten van het onderzoek zijn beschreven in M1983 deel II.

In tabel 1 zijn de randvoorwaarden voor iedere proef gegeven. Daarna zijn de profielen gegeven van de proeven 301-421, 571-578 en 801-809.

De profielen voor de proeven 501-533 zijn gegeven in M1216-III (proeven 1-33) en de proeven 550-560 in M1216-IV (proeven 1-10).

Deze bijlage C is alleen opgenomen in de WL bibliotheek.

Tabel met randvoorwaarden voor de proeven

PROEFNUMMER = nummer van de proef  
 OPMERKING = korte omschrijving  
 STORTSTEEN = recht talud van stortsteen met PM spektrum  
 INVLOED SPEKTRUM = ander dan PM spektrum  
 VOORLAND = dam met voorland 1:30  
 d = waterdiepte ter plaatse van de teen van de konstruktie  
 GRIND = basisproeven met grind  
 RONDE STEEN = invloed korrelvorm: rond grind  
 PLATTE STEEN = invloed korrelvorm: platte stortsteen  
 ONDOORLATENDE KERN = dynamisch profiel bij dichte kern  
 GEEN POMP = water achter de konstruktie niet afgepompt  
 S-PROFIEL = profiel met berm rondom waterlijn  
 WILLEKEURIG PROFIEL = willekeurig profiel voor toetsing  
 computer model  
 INVLOED GRADATIE = stortsteen met een smalle of steile  
 gradatie  
 LAGE KRUIN = kruin 0.05 m boven stilwaterlijn  
 GRIND DELTAGOOT = proeven in de deltagoot  
 GRIND M1216 = proeven M1216 - deel III  
 3DIM. M1216 = drie-dimensionele proeven (scheve golfaanval,  
 M1216 deel IV).  
 GETIJ CYCLUS = uitgerekte getij cyclus  
 STORM CYCLUS = getij met stormprogramma

DN50 = nominale diameter (m)  
 DELTA =  $\Delta$  = relatieve massadichtheid (-)  
 COTA =  $\cot\alpha$  = talud helling (-)  
 D85/D15 = steilheid gradatie van grind- of steenklasse (-)  
 SPEKTRUM = vorm van het energie dichtheidsspektrum  
 PM = Pierson Moskowitz  
 SM = Smal spektrum

Tabel 1a Verklaring parameters in tabel 1

HS	=	significante golfhoogte (m)
TZ	=	gemiddelde golfperiode (s)
HS/DELTA <sub>D</sub> N <sub>50</sub>	=	$H_s / \Delta D_{n50}$ = dimensieloze golfhoogte (-)
HSLOZ	=	$H_s / L_z$ = golfsteilheid op diep water = $2\pi H_s / g T_z^2$
HSLOP	=	$H_s / L_z$ = golfsteilheid op diep water = $2\pi H_s / g T_p^2$
HOTOZ	=	$H_s / \Delta D_{n50} * \sqrt{g T_z^2 / D_{n50}}$
HOTOP	=	$H_s / \Delta D_{n50} * \sqrt{g T_p^2 / D_{n50}}$

Tabel 1a Verklaring parameters in tabel 1 (vervolg)

PARAMETEROMSCHRIJVING

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kolom | omschrijving

kolom	omschrijving
1	PROEFNUMMER
2	OPMERKING
3	DN50
4	DELTA
5	COTA
6	D85/D15
7	SPECTRUM
8	HS
9	TZ
10	TP
11	HS/DELTADN50
12	HSL0Z
13	HSL0P
14	HOT0Z
15	HOT0P

tabel 1b. Parameteromschrijving tabel 1c.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
301	GRIND	.0115	1.573	5.0	1.50	PM	.1319	1.33	1.37	7.29	.0478	.0450	283.	292.
302	GRIND	.0115	1.573	5.0	1.50	PM	.1298	1.77	2.04	7.18	.0265	.0200	371.	428.
303	GRIND	.0115	1.573	5.0	1.50	PM	.1900	1.76	2.04	10.50	.0393	.0292	540.	626.
304	GRIND	.0115	1.573	5.0	1.50	PM	.1879	2.41	2.99	10.39	.0207	.0135	731.	907.
305	GRIND	.0115	1.573	5.0	1.50	PM	.2326	1.78	2.04	12.86	.0470	.0358	668.	766.
306	GRIND	.0115	1.573	5.0	1.50	PM	.2374	2.35	3.17	13.12	.0275	.0151	901.	1215.
307	STORTSTEEN	.0257	1.615	5.0	1.50	PM	.1281	1.77	2.04	3.09	.0262	.0197	107.	123.
308	STORTSTEEN	.0257	1.615	5.0	1.50	PM	.1303	2.63	3.23	3.14	.0121	.0080	161.	198.
309	STORTSTEEN	.0257	1.615	5.0	1.50	PM	.1882	1.77	2.04	4.53	.0385	.0290	157.	181.
310	STORTSTEEN	.0257	1.615	5.0	1.50	PM	.1904	2.58	3.28	4.59	.0183	.0113	231.	294.
311	STORTSTEEN	.0257	1.615	5.0	1.50	PM	.1945	3.20	4.25	4.69	.0122	.0069	293.	389.
312	STORTSTEEN	.0257	1.615	5.0	1.50	PM	.2394	1.78	2.04	5.77	.0484	.0368	201.	230.
313	STORTSTEEN	.0257	1.615	5.0	1.50	PM	.2380	2.51	3.33	5.73	.0242	.0137	281.	373.
314	STORTSTEEN	.0257	1.615	5.0	1.50	PM	.2289	2.74	3.51	5.51	.0195	.0119	295.	378.
315	STORTSTEEN	.0110	1.586	5.0	1.50	PM	.1336	1.32	1.38	7.66	.0491	.0449	302.	316.
316	STORTSTEEN	.0110	1.586	5.0	1.50	PM	.1288	1.77	2.04	7.38	.0263	.0198	390.	458.
317	STORTSTEEN	.0110	1.586	5.0	1.50	PM	.1236	2.52	3.23	7.08	.0125	.0076	533.	683.
318	STORTSTEEN	.0110	1.586	5.0	1.50	PM	.1884	1.75	2.02	10.80	.0394	.0296	564.	651.
319	STORTSTEEN	.0110	1.586	5.0	1.50	PM	.1870	2.46	3.13	10.72	.0198	.0122	787.	1002.
320	STORTSTEEN	.0110	1.586	5.0	1.50	PM	.1938	3.10	4.25	11.11	.0129	.0069	1028.	1410.
321	STORTSTEEN	.0110	1.586	5.0	1.50	PM	.2369	1.77	2.08	13.58	.0484	.0351	718.	843.
322	STORTSTEEN	.0110	1.586	5.0	1.50	PM	.2338	2.45	3.23	13.40	.0249	.0144	980.	1293.
323	STORTSTEEN	.0110	1.586	5.0	1.50	PM	.2192	2.86	4.20	12.56	.0172	.0080	1073.	1576.
324	STORTSTEEN	.0257	1.615	3.0	1.50	PM	.1556	1.34	1.45	3.75	.0555	.0474	98.	106.
325	STORTSTEEN	.0257	1.615	3.0	1.50	PM	.1574	1.76	2.00	3.79	.0325	.0252	130.	148.
326	STORTSTEEN	.0257	1.615	3.0	1.50	PM	.1285	2.65	3.08	3.10	.0117	.0087	160.	186.
327	STORTSTEEN	.0257	1.615	3.0	1.50	PM	.1912	1.77	2.04	4.61	.0391	.0294	159.	184.
328	STORTSTEEN	.0257	1.615	3.0	1.50	PM	.1900	2.46	3.13	4.58	.0201	.0124	220.	280.
329	STORTSTEEN	.0257	1.615	3.0	1.50	PM	.1937	2.82	3.57	4.67	.0156	.0097	257.	326.
330	STORTSTEEN	.0257	1.615	3.0	1.50	PM	.2449	1.79	2.15	5.90	.0490	.0339	206.	248.
331	STORTSTEEN	.0257	1.615	3.0	1.50	PM	.2327	2.45	3.08	5.61	.0248	.0157	268.	337.
332	STORTSTEEN	.0257	1.615	3.0	1.50	PM	.2283	2.73	3.57	5.50	.0196	.0115	293.	384.
333	STORTSTEEN	.0110	1.586	3.0	1.50	PM	.1265	1.33	1.42	7.25	.0458	.0402	288.	307.
334	STORTSTEEN	.0110	1.586	3.0	1.50	PM	.1328	1.75	2.02	7.61	.0278	.0208	398.	459.
335	STORTSTEEN	.0110	1.586	3.0	1.50	PM	.1319	2.49	3.13	7.56	.0136	.0086	562.	707.
336	STORTSTEEN	.0110	1.586	3.0	1.50	PM	.1861	1.75	2.04	10.67	.0389	.0286	557.	650.
337	STORTSTEEN	.0110	1.586	3.0	1.50	PM	.1937	2.44	3.08	11.10	.0208	.0131	809.	1021.
338	STORTSTEEN	.0110	1.586	3.0	1.50	PM	.1873	2.78	3.57	10.74	.0155	.0094	891.	1145.
339	STORTSTEEN	.0110	1.586	3.0	1.50	PM	.2392	1.79	2.04	13.71	.0478	.0368	733.	835.
340	STORTSTEEN	.0110	1.586	3.0	1.50	PM	.2387	2.42	3.08	13.22	.0252	.0156	956.	1216.
341	STORTSTEEN	.0110	1.586	3.0	1.50	PM	.2236	2.71	3.57	12.82	.0195	.0112	1037.	1366.
342	INVLOED SPECTRUM	.0257	1.615	3.0	1.50	SM	.1573	1.79	1.79	3.79	.0314	.0314	133.	133.
343	INVLOED SPECTRUM	.0257	1.615	3.0	1.50	SM	.1296	2.48	2.53	3.12	.0135	.0130	151.	154.
344	INVLOED SPECTRUM	.0257	1.615	3.0	1.50	SM	.1960	1.79	1.80	4.72	.0392	.0387	165.	166.
345	INVLOED SPECTRUM	.0257	1.615	3.0	1.50	SM	.1884	2.45	2.50	4.54	.0201	.0193	217.	222.
346	INVLOED SPECTRUM	.0257	1.615	3.0	1.50	SM	.2373	1.77	1.80	5.72	.0485	.0469	198.	201.
347	INVLOED SPECTRUM	.0257	1.615	3.0	1.50	SM	.2322	2.42	2.50	5.59	.0254	.0238	265.	273.
348	RONDE STEEN	.0272	1.588	3.0	1.50	PM	.1300	1.77	2.04	3.01	.0266	.0200	101.	117.
349	RONDE STEEN	.0272	1.588	3.0	1.50	PM	.1954	1.77	2.06	4.52	.0399	.0295	152.	177.
350	RONDE STEEN	.0272	1.588	3.0	1.50	PM	.2434	1.79	2.06	5.64	.0487	.0367	192.	220.
351	RONDE STEEN	.0272	1.588	3.0	1.50	PM	.0898	3.01	3.45	2.08	.0063	.0048	119.	136.
352	RONDE STEEN	.0272	1.588	3.0	1.50	PM	.1325	2.95	3.51	3.07	.0098	.0069	172.	204.
353	RONDE STEEN	.0272	1.588	3.0	1.50	PM	.1942	2.85	3.57	4.50	.0153	.0098	243.	305.
354	PLATTE STEEN	.0242	1.608	3.0	1.50	PM	.1304	1.77	2.06	3.35	.0267	.0197	119.	139.
355	PLATTE STEEN	.0242	1.608	3.0	1.50	PM	.1922	1.77	2.06	4.94	.0393	.0290	176.	205.
356	PLATTE STEEN	.0242	1.608	3.0	1.50	PM	.2423	1.79	2.06	6.23	.0484	.0366	224.	258.
357	ONDOORLATENDE KERN	.0257	1.615	3.0	1.50	PM	.1924	1.77	2.04	4.64	.0393	.0296	160.	185.
358	ONDOORLATENDE KERN	.0257	1.615	3.0	1.50	PM	.1924	2.50	3.08	4.64	.0197	.0130	226.	279.
359	ONDOORLATENDE KERN	.0257	1.615	3.0	1.50	PM	.2447	1.79	2.04	5.90	.0489	.0377	206.	235.

Tabel 1c. Golfrandvoorwaarden dynamisch stabiele proeven



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
378	GEEN POMP	.0257	1.615	3.0	1.50	PM	.2377	2.44	3.08	5.73	.0256	.0160	273.	345.
379	ONDOORLATENDE KERN	.0257	1.615	3.0	1.50	PM	.2430	1.79	2.04	5.85	.0486	.0374	205.	233.
380	S-PROFIEL	.0257	1.615	1.5	1.50	PM	.0576	.98	2.09	1.39	.0384	.0084	27.	57.
381	S-PROFIEL	.0257	1.615	1.5	1.50	PM	.0829	1.26	1.41	2.00	.6334	.0267	49.	55.
382	S-PROFIEL	.0257	1.615	1.5	1.50	PM	.1016	1.28	1.41	2.45	.0397	.0327	61.	67.
383	S-PROFIEL	.0257	1.615	1.5	1.50	PM	.1028	1.81	2.05	2.48	.0201	.0157	88.	99.
384	S-PROFIEL	.0257	1.615	1.5	1.50	PM	.1599	1.34	1.39	3.85	.0570	.0530	101.	105.
385	S-PROFIEL	.0257	1.615	-1.	1.50	PM	.1586	1.81	2.06	3.82	.0310	.0239	135.	154.
386	S-PROFIEL	.0257	1.615	-1.	1.50	PM	.1903	1.80	2.12	4.58	.0376	.0271	161.	190.
387	S-PROFIEL	.0257	1.615	-1.	1.50	PM	.1863	2.51	2.98	4.49	.0189	.0134	220.	261.
388	S-PROFIEL	.0257	1.615	-1.	1.50	PM	.2462	1.79	2.01	5.93	.0492	.0390	207.	233.
389	S-PROFIEL	.0257	1.615	-1.	1.50	PM	.2500	2.51	2.96	6.02	.0254	.0183	295.	348.
390	S-PROFIEL	.0257	1.615	-1.	1.50	PM	.1594	1.81	2.05	3.84	.0312	.0243	136.	154.
391	S-PROFIEL	.0257	1.615	-1.	1.50	PM	.1895	1.80	2.08	4.57	.0375	.0281	161.	186.
392	S-PROFIEL	.0257	1.615	-1.	1.50	PM	.2450	1.83	2.04	5.90	.0469	.0377	211.	235.
393	S-PROFIEL	.0257	1.615	-1.	1.50	PM	.1605	1.80	2.05	3.87	.0317	.0245	136.	155.
394	S-PROFIEL	.0257	1.615	-1.	1.50	PM	.1907	1.80	2.07	4.59	.0377	.0285	162.	186.
395	S-PROFIEL	.0257	1.615	-1.	1.50	PM	.2438	1.82	2.03	5.87	.0471	.0379	209.	233.
396	WILLEKEURIG PROFIEL	.0257	1.615	-1.	1.50	PM	.1917	1.79	2.06	4.62	.0383	.0289	162.	186.
397	INVLOED GRADATIE	.0110	1.605	3.0	1.25	PM	.1310	1.29	1.42	7.42	.0504	.0416	286.	315.
398	INVLOED GRADATIE	.0110	1.605	3.0	1.25	PM	.1300	1.78	2.11	7.36	.0263	.0187	391.	464.
399	INVLOED GRADATIE	.0110	1.605	3.0	1.25	PM	.1910	1.80	2.13	10.82	.0378	.0270	582.	688.
400	INVLOED GRADATIE	.0110	1.605	3.0	1.25	PM	.2015	2.46	2.94	11.41	.0213	.0149	838.	1002.
401	INVLOED GRADATIE	.0110	1.605	3.0	1.25	PM	.2401	1.81	2.17	13.60	.0469	.0327	735.	881.
402	INVLOED GRADATIE	.0110	1.605	3.0	1.25	PM	.2437	2.47	3.00	13.80	.0256	.0173	1018.	1237.
403	INVLOED GRADATIE	.0110	1.605	3.0	2.25	PM	.1312	1.29	1.42	7.43	.0505	.0417	286.	315.
404	INVLOED GRADATIE	.0110	1.605	3.0	2.25	PM	.1291	1.77	2.08	7.31	.0264	.0191	387.	454.
405	INVLOED GRADATIE	.0110	1.605	3.0	2.25	PM	.1894	1.81	2.11	10.73	.0370	.0272	580.	676.
406	INVLOED GRADATIE	.0110	1.605	3.0	2.25	PM	.1994	2.45	3.03	11.29	.0213	.0139	826.	1022.
407	INVLOED GRADATIE	.0110	1.605	3.0	2.25	PM	.2394	1.81	2.17	13.56	.0468	.0326	733.	879.
408	INVLOED GRADATIE	.0110	1.605	3.0	2.25	PM	.2403	2.47	3.00	13.61	.0252	.0171	1004.	1219.
409	LAGE KRUIJN	.0257	1.615	1.5	1.50	PM	.1295	1.33	1.45	3.12	.0469	.0394	81.	88.
410	LAGE KRUIJN	.0257	1.615	1.5	1.50	PM	.1770	1.78	2.08	4.26	.0358	.0262	148.	173.
411	LAGE KRUIJN	.0257	1.615	1.5	1.50	PM	.1858	2.64	3.64	4.48	.0171	.0090	231.	318.
412	LAGE KRUIJN	.0257	1.615	1.5	1.50	PM	.2391	1.80	2.12	5.76	.0473	.0341	203.	239.
413	LAGE KRUIJN	.0257	1.615	1.5	1.50	PM	.1323	1.32	1.43	3.19	.0486	.0414	82.	89.
414	LAGE KRUIJN	.0257	1.615	1.5	1.50	PM	.1785	1.79	2.04	4.30	.0357	.0275	150.	171.
415	LAGE KRUIJN	.0257	1.615	1.5	1.50	PM	.2409	1.83	2.13	5.80	.0461	.0340	208.	242.
416	VOORLAND d=0.40M	.0257	1.591	3.0	1.50	PM	.2250	2.55	3.03	5.50	.0222	.0157	274.	326.
417	VOORLAND d=0.30M	.0257	1.591	3.0	1.50	PM	.1890	1.81	2.02	4.62	.0370	.0297	163.	182.
418	VOORLAND d=0.20M	.0257	1.591	3.0	1.50	PM	.1437	2.51	3.03	3.51	.0146	.0100	172.	208.
419	VOORLAND d=0.30M	.0110	1.581	3.0	1.50	PM	.2074	2.49	3.08	11.93	.0214	.0140	887.	1097.
420	VOORLAND d=0.30M	.0110	1.581	3.0	1.50	PM	.1886	1.79	2.11	10.84	.0378	.0272	580.	683.
421	VOORLAND d=0.20M	.0110	1.581	3.0	1.50	PM	.1480	2.49	3.03	8.51	.0153	.0103	633.	770.

Vervolg tabel 1c. Golfrandvoorwaarden dynamisch stabiele proeven.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
501	GRIND M1216	.0041	1.570	10.	1.30	SL	.1080	1.27	1.46	16.78	.0429	.0325	1042.	1198.
502	GRIND M1216	.0041	1.570	10.	1.30	SL	.1630	1.29	1.48	25.32	.0627	.0477	1598.	1833.
503	GRIND M1216	.0041	1.570	10.	1.30	SL	.1540	1.59	1.83	23.92	.0390	.0295	1861.	2142.
504	GRIND M1216	.0041	1.570	10.	1.30	SL	.1900	1.63	1.88	29.52	.0458	.0344	2353.	2714.
506	GRIND M1216	.0041	1.570	5.0	1.30	SL	.1520	1.30	1.50	23.61	.0576	.0433	1502.	1733.
507	GRIND M1216	.0041	1.570	5.0	1.30	SL	.1080	1.27	1.46	16.78	.0429	.0325	1042.	1198.
508	GRIND M1216	.0041	1.570	5.0	1.30	SL	.1880	1.62	1.86	29.21	.0459	.0348	2314.	2657.
509	GRIND M1216	.0041	1.570	5.0	1.30	SL	.1470	1.61	1.85	22.84	.0363	.0275	1799.	2067.
510	GRIND M1216	.0041	1.570	5.0	1.30	SL	.0950	1.58	1.82	14.76	.0244	.0184	1141.	1314.
511	GRIND M1216	.0041	1.570	5.0	1.30	SL	.2050	2.03	2.33	31.85	.0319	.0242	3162.	3630.
512	GRIND M1216	.0041	1.570	5.0	1.30	SL	.1450	1.97	2.27	22.53	.0239	.0180	2171.	2501.
513	GRIND M1216	.0041	1.570	5.0	1.30	SL	.1030	2.03	2.33	16.00	.0160	.0122	1589.	1824.
514	GRIND M1216	.0041	1.570	5.0	1.30	SL	.0880	1.27	1.46	13.67	.0349	.0264	849.	976.
515	GRIND M1216	.0041	1.570	5.0	1.30	SL	.1190	1.29	1.48	18.49	.0458	.0348	1167.	1338.
516	GRIND M1216	.0041	1.570	5.0	1.30	SL	.1150	1.63	1.88	17.87	.0277	.0208	1424.	1643.
517	GRIND M1216	.0041	1.570	5.0	1.30	SL	.1500	1.77	2.04	23.30	.0307	.0231	2018.	2325.
518	GRIND M1216	.0069	1.570	5.0	1.30	SL	.1640	1.56	1.79	15.14	.0432	.0328	891.	1022.
519	GRIND M1216	.0069	1.570	5.0	1.30	SL	.1930	1.62	1.86	17.82	.0471	.0357	1088.	1250.
520	GRIND M1216	.0069	1.570	5.0	1.30	SL	.1580	1.98	2.28	14.58	.0258	.0195	1089.	1254.
521	GRIND M1216	.0069	1.570	5.0	1.30	TR	.1960	1.98	2.28	18.09	.0320	.0241	1351.	1556.
522	GRIND M1216	.0041	1.570	5.0	1.30	TR	.0950	1.97	2.56	14.76	.0157	.0093	1422.	1848.
523	GRIND M1216	.0041	1.570	5.0	1.30	TR	.1500	1.97	2.56	23.30	.0248	.0147	2246.	2918.
524	GRIND M1216	.0041	1.570	5.0	1.30	TR	.1520	2.38	3.10	23.61	.0172	.0101	2749.	3581.
525	GRIND M1216	.0041	1.570	5.0	1.30	TR	.2050	2.38	3.10	31.85	.0232	.0137	3708.	4829.
526	GRIND M1216	.0041	1.570	5.0	1.30	JO	.0790	1.69	1.86	12.27	.0177	.0146	1015.	1117.
527	GRIND M1216	.0041	1.570	5.0	1.30	JO	.1040	1.69	1.86	16.16	.0233	.0193	1336.	1470.
528	GRIND M1216	.0041	1.570	5.0	1.30	JO	.1000	2.07	2.28	15.53	.0149	.0123	1573.	1733.
529	GRIND M1216	.0041	1.570	5.0	1.30	JO	.1300	2.11	2.32	20.20	.0187	.0155	2084.	2292.
530	GRIND M1216	.0041	1.570	5.0	1.30	TR	.1690	2.03	2.64	26.25	.0263	.0155	2607.	3390.
531	GRIND M1216	.0041	1.570	5.0	1.30	TR	.1150	1.58	2.05	17.87	.0295	.0175	1381.	1792.
532	GRIND M1216	.0041	1.570	5.0	1.30	TR	.1520	1.67	2.17	23.61	.0349	.0207	1929.	2507.
533	GRIND M1216	.0041	1.570	5.0	1.30	SL	.1400	1.73	1.99	21.75	.0300	.0226	1841.	2117.
551	3DIM. M1216	.0040	1.590	5.0	1.30	PM	.0740	.89	1.02	11.64	.0598	.0456	513.	588.
552	3DIM. M1216	.0040	1.590	5.0	1.30	JO	.0860	.85	.93	13.52	.0762	.0637	569.	623.
553	3DIM. M1216	.0040	1.590	5.0	1.30	JO	.0780	1.25	1.37	12.26	.0320	.0266	759.	832.
554	3DIM. M1216	.0040	1.590	5.0	1.30	JO	.1260	1.25	1.37	19.81	.0516	.0430	1226.	1344.
555	3DIM. M1216	.0040	1.590	5.0	1.30	PM	.0880	1.11	1.28	13.84	.0457	.0344	761.	877.
556	3DIM. M1216	.0040	1.590	5.0	1.30	PM	.1220	1.11	1.28	19.18	.0634	.0477	1055.	1216.
557	3DIM. M1216	.0040	1.590	5.0	1.30	PM	.0830	1.37	1.58	13.05	.0283	.0213	885.	1021.
558	3DIM. M1216	.0040	1.590	5.0	1.30	PM	.1220	1.37	1.58	19.18	.0416	.0313	1301.	1501.
559	3DIM. M1216	.0040	1.590	5.0	1.30	PM	.1700	1.78	2.05	26.73	.0344	.0259	2356.	2714.
560	3DIM. M1216	.0040	1.590	5.0	1.30	PM	.1620	1.78	2.05	25.47	.0327	.0247	2245.	2586.
571	GRIND DELTAGOOT	.0187	1.600	5.0	1.64	SL	.7700	4.30	5.00	25.74	.0267	.0197	2535.	2947.
572	GRIND DELTAGOOT	.0187	1.600	5.0	1.64	SL	1.000	4.30	5.00	33.42	.0347	.0256	3292.	3828.
578	GRIND DELTAGOOT	.0041	1.600	5.0	1.85	PM	1.080	4.30	5.10	164.6	.0374	.0266	34628	41070

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
803	GRIND DELTAGOOT	.0187	1.600	5.0	1.64	PM	1.500	4.60	5.50	50.13	.0454	.0318	5282.	6315.
804	GRIND DELTAGOOT	.0041	1.600	5.0	1.85	PM	.6200	2.60	2.90	94.51	.0588	.0473	12020	13407
805	GRIND DELTAGOOT	.0041	1.600	5.0	1.85	PM	1.240	3.90	4.50	189.0	.0523	.0393	36060	41608
806	GRIND DELTAGOOT	.0041	1.600	5.0	1.85	PM	1.680	5.00	5.70	256.1	.0431	.0331	62635	71404
807	GRIND DELTAGOOT	.0041	1.600	5.0	1.85	PM	1.280	3.90	4.50	195.1	.0540	.0405	37223	42950
808	GRIND DELTAGOOT	.0041	1.600	5.0	1.85	PM	1.080	4.30	5.10	164.6	.0374	.0266	34628	41070
809	GRIND DELTAGOOT	.0041	1.600	5.0	1.85	PM	1.140	5.90	7.60	173.8	.0210	.0127	50153	64604

Vervolg tabel 1c. Golftrandvoorwaarden dynamisch stabiele proeven.

PARAMETEROMSCHRIJVING  
=====

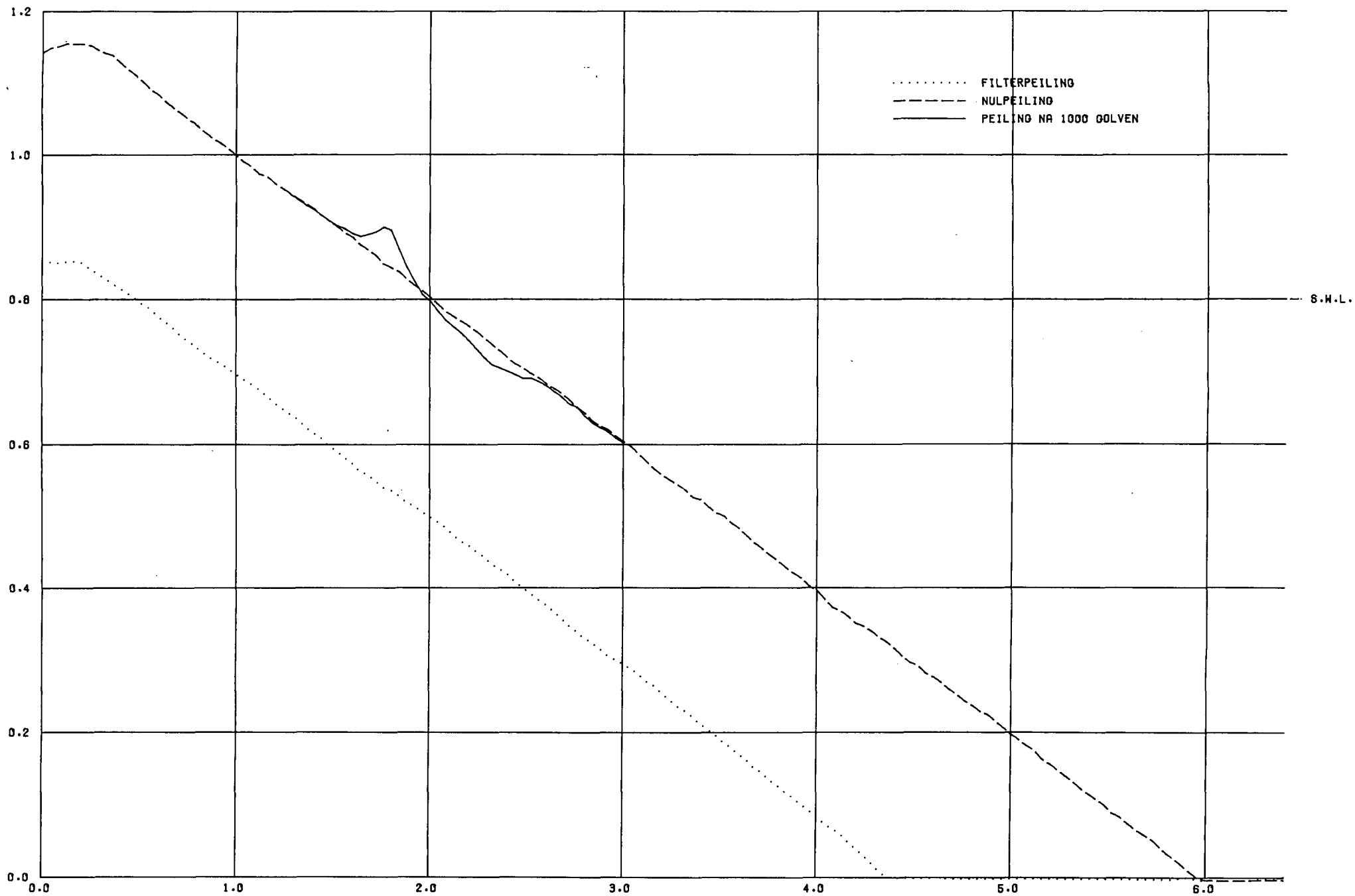
kolom	omschrijving
1	PROEFNUMMER
2	OPMERKING
3	DN50
4	DELTA
5	COTA
6	D85/D15
7	SPECTRUM
8	WATERSTAND
9	HS
10	TZ
11	TP
12	HS/DELTA DN50
13	HSL0Z
14	HOT0Z

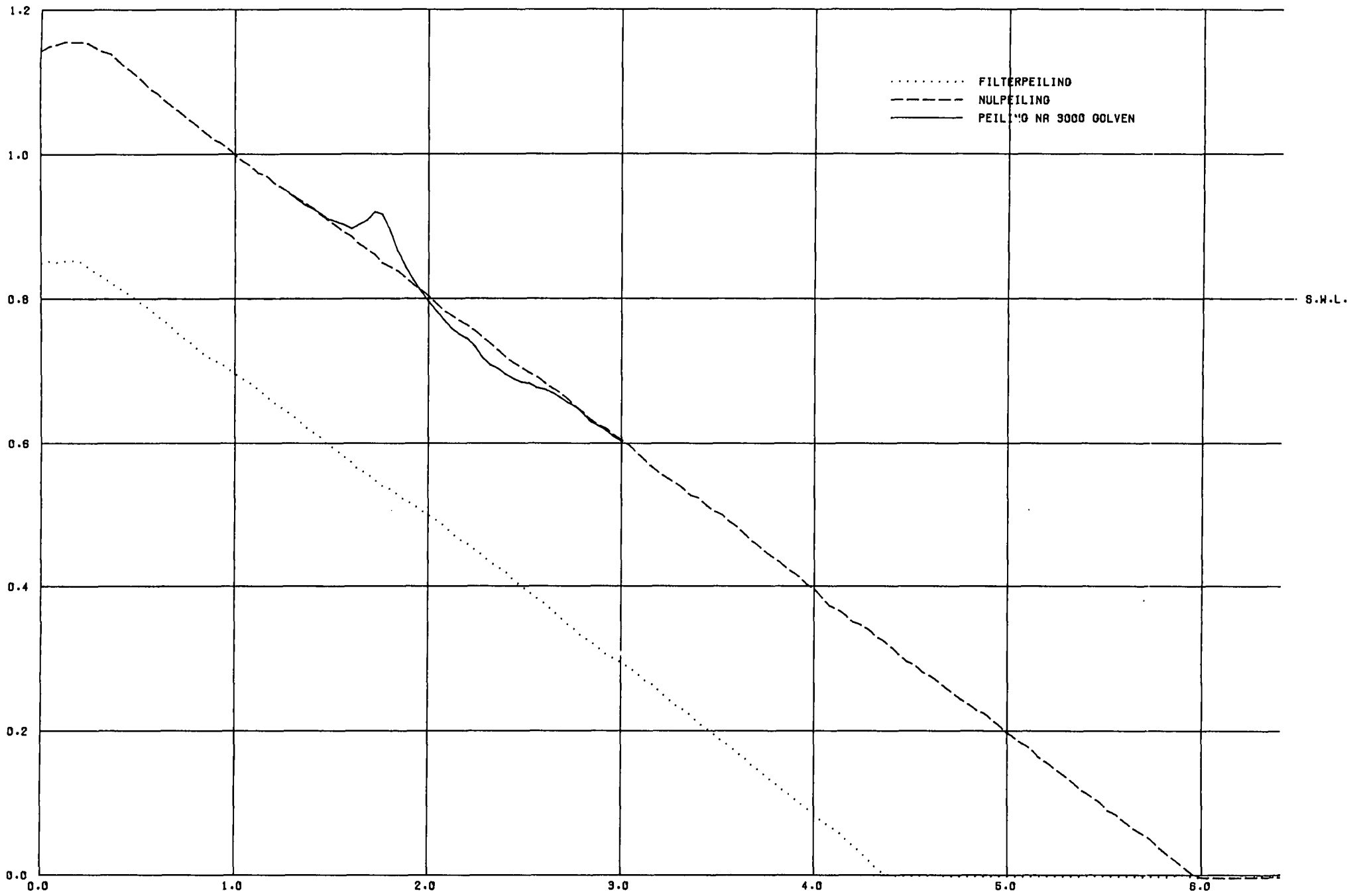
Tabel 1d. Parameteromschrijving tabel 1e.

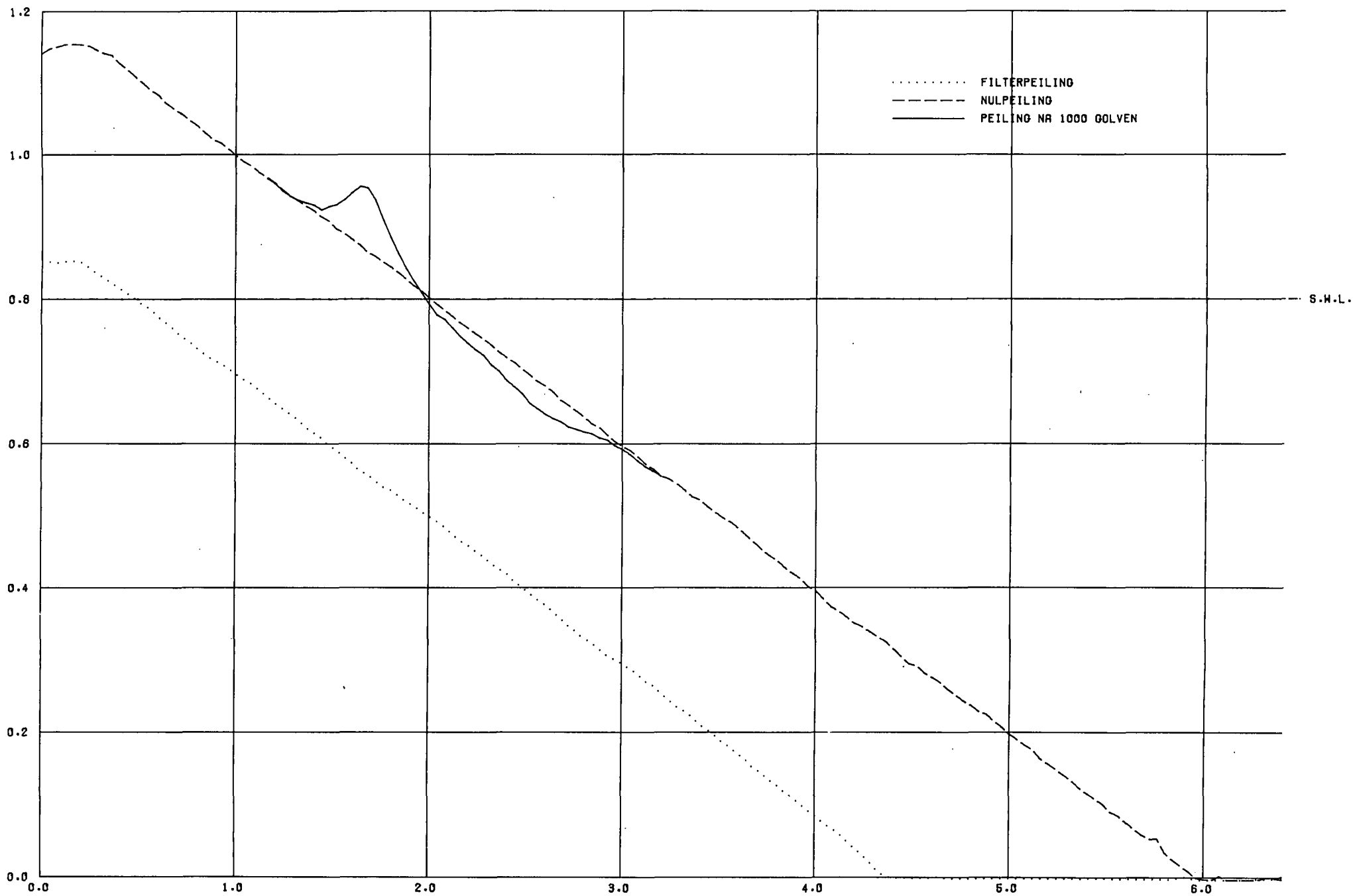
1	2	3	4	5	6	7	8	9	10	11	12	13	14
3601	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.72-.72M	.1271	1.31	1.45	7.29	.0475	285.0
3602	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.72-.64M	.1265	1.33	1.56	7.25	.0458	288.0
3603	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.64-.72M	.1266	1.30	1.40	7.26	.0480	282.0
3611	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.72-.72M	.1281	1.73	2.03	7.34	.0274	379.0
3612	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.72-.64M	.1284	1.72	2.07	7.36	.0278	378.0
3613	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.64-.72M	.1283	1.73	2.02	7.35	.0275	380.0
3621	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.72-.72M	.1888	1.74	2.02	10.82	.0400	562.0
3622	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.72-.64M	.1863	1.76	1.90	10.68	.0385	561.0
3623	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.64-.72M	.1899	1.76	1.98	10.89	.0393	572.0
3631	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.72-.72M	.1819	2.47	3.05	10.43	.0191	769.0
3632	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.72-.64M	.1826	2.45	3.00	10.47	.0195	766.0
3633	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.64-.72M	.1847	2.46	2.99	10.59	.0196	778.0
3641	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.72-.72M	.2406	1.80	2.66	14.10	.0476	758.0
3642	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.72-.64M	.2276	1.80	2.08	13.04	.0450	701.0
3643	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.64-.72M	.2408	1.82	2.09	13.80	.0466	750.0
3651	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.72-.72M	.2330	2.44	3.10	13.36	.0251	973.0
3652	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.72-.64M	.2259	2.43	3.10	12.95	.0245	940.0
3653	GETIJCYCLUS	.0110	1.586	3.0	1.50	PM	.64-.72M	.2335	2.43	3.03	13.38	.0254	971.0
3661	STORMCYCLUS	.0110	1.586	3.0	1.50	PM	.64-.72M	.1305	1.73	1.99	7.48	.0280	386.0
3662	STORMCYCLUS	.0110	1.586	3.0	1.50	PM	.68-.80M	.1920	1.75	2.03	11.00	.0402	575.0
3663	STORMCYCLUS	.0110	1.586	3.0	1.50	PM	.68-.80M	.1928	1.74	2.00	11.05	.0408	574.0
3664	STORMCYCLUS	.0110	1.586	3.0	1.50	PM	.64-.72M	.1317	1.73	1.97	7.55	.0282	390.0
3671	STORMCYCLUS	.0110	1.586	3.0	1.50	PM	.64-.72M	.1142	2.40	3.03	6.55	.0127	469.0
3672	STORMCYCLUS	.0110	1.586	3.0	1.50	PM	.68-.80M	.2053	2.44	3.03	11.77	.0221	858.0
3673	STORMCYCLUS	.0110	1.586	3.0	1.50	PM	.68-.80M	.2032	2.49	3.05	11.65	.0210	866.0
3674	STORMCYCLUS	.0110	1.586	3.0	1.50	PM	.64-.72M	.1288	2.50	3.03	7.38	.0132	551.0
3681	STORMCYCLUS	.0110	1.586	3.0	1.50	PM	.64-.72M	.1588	1.73	2.00	9.10	.0340	470.0
3682	STORMCYCLUS	.0110	1.586	3.0	1.50	PM	.68-.80M	.2437	1.79	2.05	13.97	.0488	747.0
3683	STORMCYCLUS	.0110	1.586	3.0	1.50	PM	.68-.80M	.2446	1.78	1.99	14.02	.0495	745.0
3684	STORMCYCLUS	.0110	1.586	3.0	1.50	PM	.64-.72M	.1590	1.73	1.98	9.11	.0341	471.0
3691	GETIJCYCLUS	.0110	1.586	5.0	1.50	PM	.72-.72M	.1901	1.73	2.01	10.90	.0407	563.0
3692	GETIJCYCLUS	.0110	1.586	5.0	1.50	PM	.72-.64M	.1924	1.74	2.01	11.03	.0407	573.0
3693	GETIJCYCLUS	.0110	1.586	5.0	1.50	PM	.64-.72M	.1903	1.75	2.01	10.91	.0398	570.0
3701	GETIJCYCLUS	.0110	1.586	5.0	1.50	PM	.72-.72M	.1871	2.50	3.13	10.72	.0192	800.0
3702	GETIJCYCLUS	.0110	1.586	5.0	1.50	PM	.72-.64M	.1896	2.46	3.05	10.87	.0201	799.0
3703	GETIJCYCLUS	.0110	1.586	5.0	1.50	PM	.64-.72M	.1852	2.50	3.01	10.62	.0190	793.0
3711	GETIJCYCLUS	.0110	1.586	5.0	1.50	PM	.72-.72M	.2401	1.78	2.12	13.76	.0486	731.0
3712	GETIJCYCLUS	.0110	1.586	5.0	1.50	PM	.72-.64M	.2294	1.81	2.23	13.15	.0449	711.0
3713	GETIJCYCLUS	.0110	1.586	5.0	1.50	PM	.64-.72M	.2401	1.79	2.16	13.76	.0480	736.0
3721	GETIJCYCLUS	.0110	1.586	5.0	1.50	PM	.72-.72M	.2344	2.44	3.13	13.44	.0252	979.0
3722	GETIJCYCLUS	.0110	1.586	5.0	1.50	PM	.72-.64M	.2263	2.38	3.17	12.97	.0256	922.0
3723	GETIJCYCLUS	.0110	1.586	5.0	1.50	PM	.64-.72M	.2336	2.41	3.15	13.39	.0258	964.0
3731	STORMCYCLUS	.0110	1.586	5.0	1.50	PM	.64-.72M	.1335	1.74	2.01	7.65	.0288	398.0
3732	STORMCYCLUS	.0110	1.586	5.0	1.50	PM	.68-.80M	.1908	1.74	2.08	10.94	.0404	568.0
3733	STORMCYCLUS	.0110	1.586	5.0	1.50	PM	.68-.80M	.1918	1.74	1.99	11.00	.0406	572.0
3734	STORMCYCLUS	.0110	1.586	5.0	1.50	PM	.64-.72M	.1345	1.74	1.97	7.71	.0284	401.0
3741	STORMCYCLUS	.0110	1.586	5.0	1.50	PM	.64-.72M	.1614	1.74	2.00	9.25	.0342	481.0
3742	STORMCYCLUS	.0110	1.586	5.0	1.50	PM	.68-.80M	.2412	1.77	2.10	13.83	.0494	731.0
3743	STORMCYCLUS	.0110	1.586	5.0	1.50	PM	.68-.80M	.2421	1.77	2.00	13.88	.0495	734.0
3744	STORMCYCLUS	.0110	1.586	5.0	1.50	PM	.64-.72M	.1634	1.73	1.98	9.37	.0350	484.0
3751	GETIJCYCLUS	.0062	1.483	5.0	1.50	PM	.72-.72M	.1916	1.74	2.03	20.84	.0406	1442.0
3752	GETIJCYCLUS	.0062	1.483	5.0	1.50	PM	.72-.64M	.1878	1.75	1.99	20.43	.0393	1422.0
3753	GETIJCYCLUS	.0062	1.483	5.0	1.50	PM	.64-.72M	.1917	1.75	1.99	20.85	.0401	1451.0
3761	GETIJCYCLUS	.0062	1.483	5.0	1.50	PM	.72-.72M	.1936	2.49	3.03	21.06	.0200	2086.0
3762	GETIJCYCLUS	.0062	1.483	5.0	1.50	PM	.72-.64M	.1908	2.49	3.03	20.75	.0197	2058.0
3763	GETIJCYCLUS	.0062	1.483	5.0	1.50	PM	.64-.72M	.1940	2.48	3.01	21.10	.0202	2081.0
3771	STORMCYCLUS	.0062	1.483	5.0	1.50	PM	.64-.72M	.1301	1.74	2.01	14.15	.0276	979.0
3772	STORMCYCLUS	.0062	1.483	5.0	1.50	PM	.68-.80M	.1921	1.74	2.04	20.89	.0407	1446.0
3773	STORMCYCLUS	.0062	1.483	5.0	1.50	PM	.68-.80M	.1934	1.74	2.01	21.03	.0410	1456.0
3774	STORMCYCLUS	.0062	1.483	5.0	1.50	PM	.64-.72M	.1346	1.73	2.00	14.64	.0288	1007.0

Tabel 1e. Golfrandvoorwaarden getij proeven 360-377

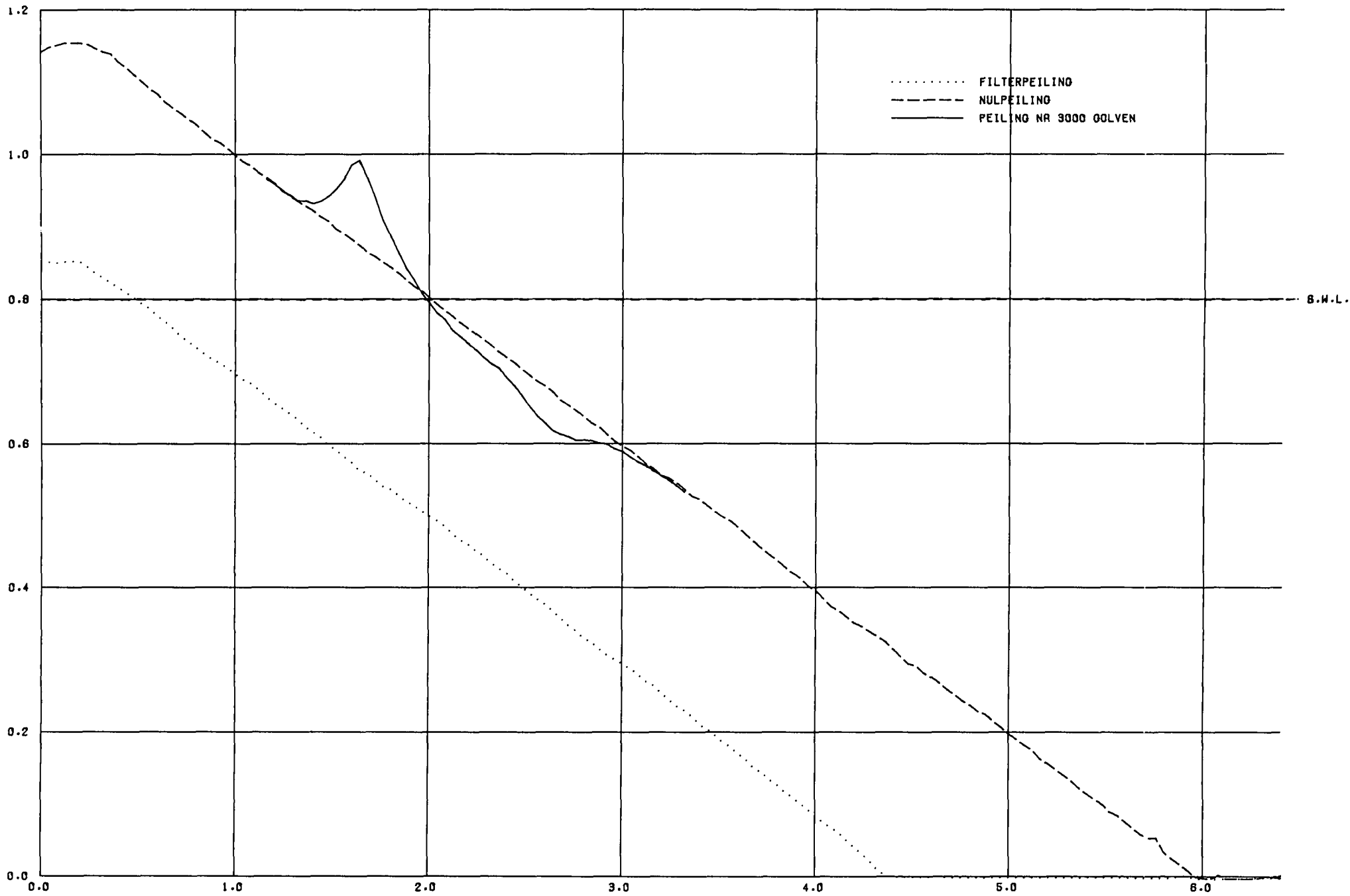
Profielpeilingen van de proeven 301-421, 571-578 en 801-809

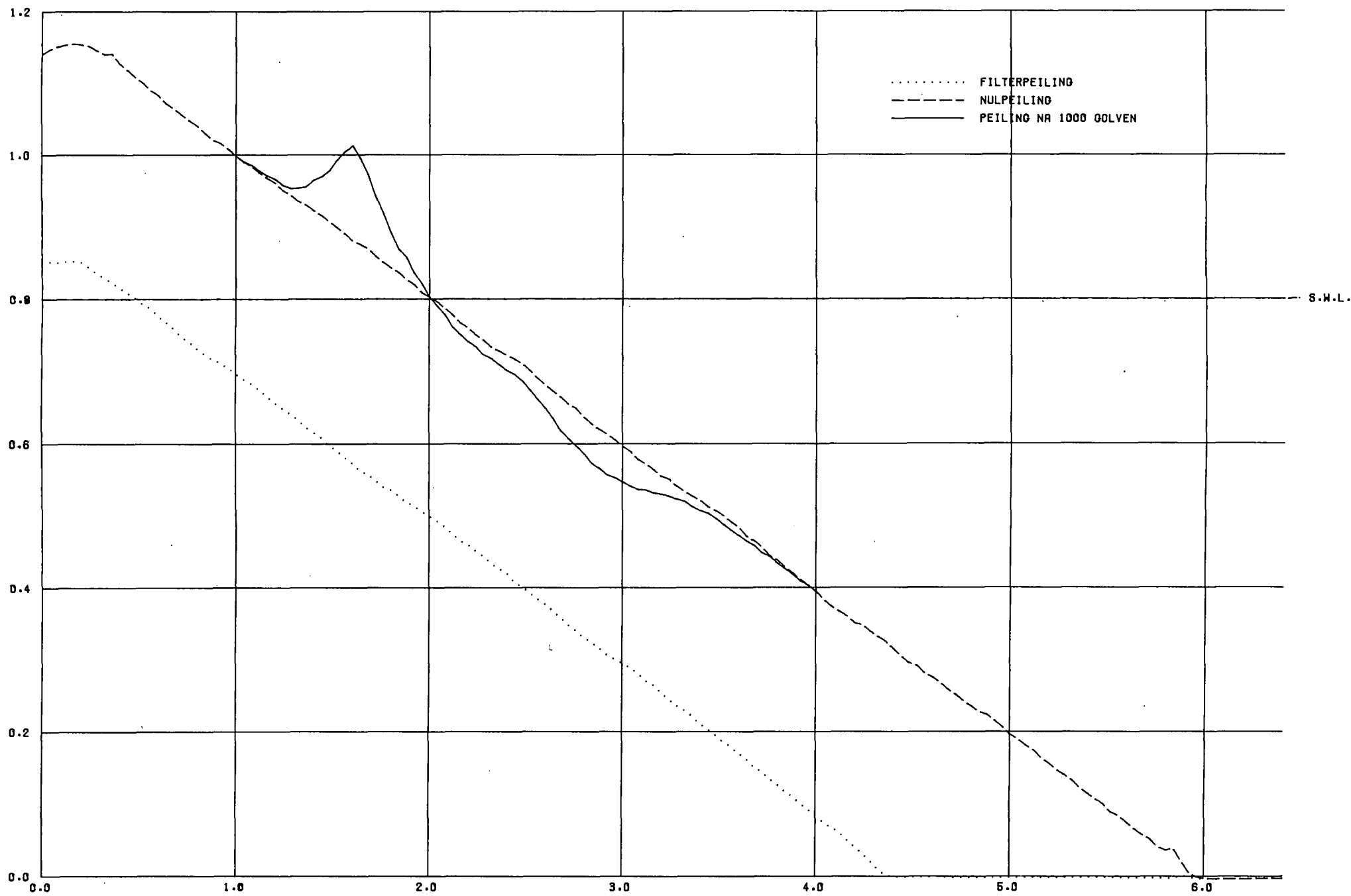


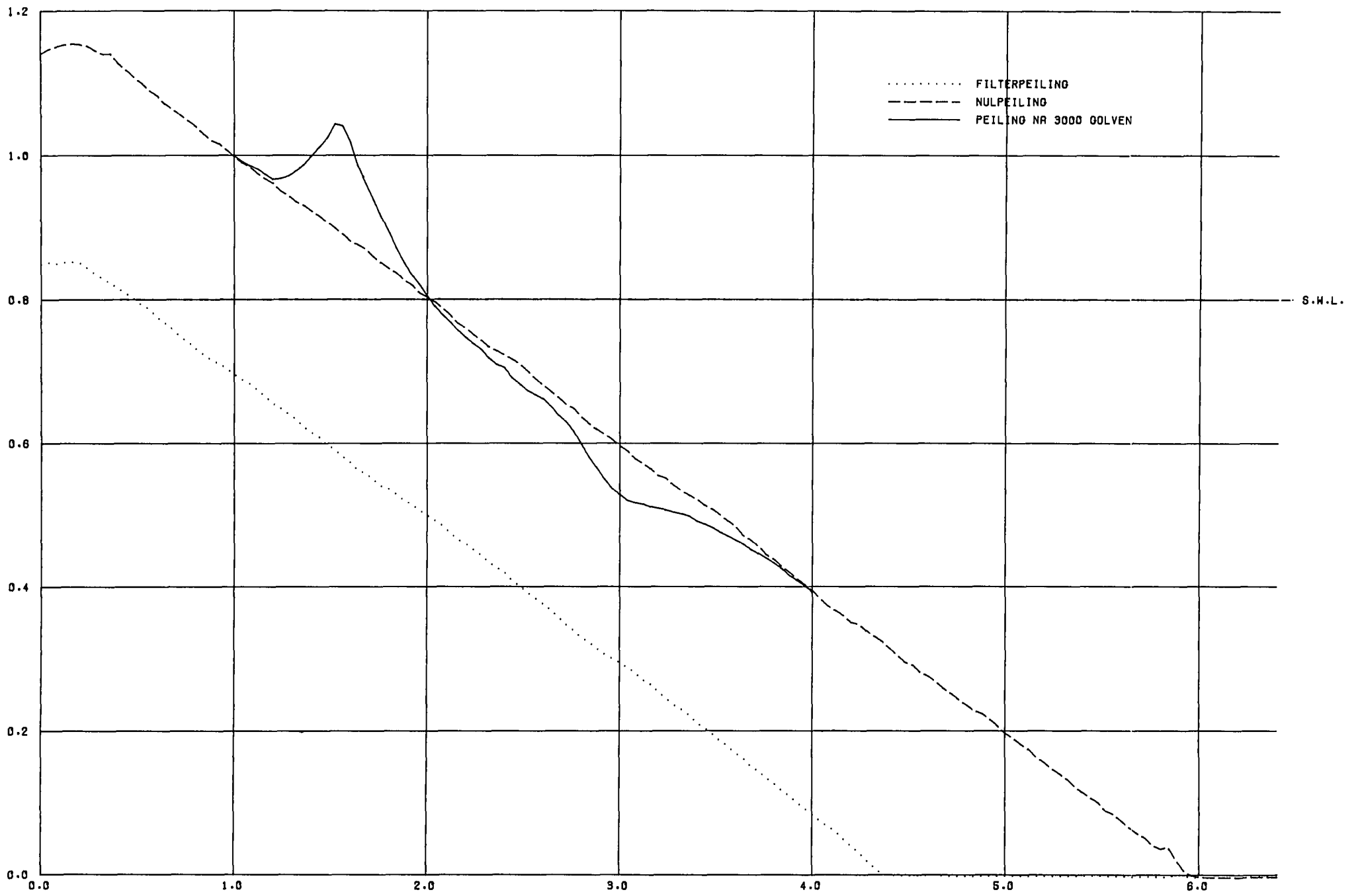


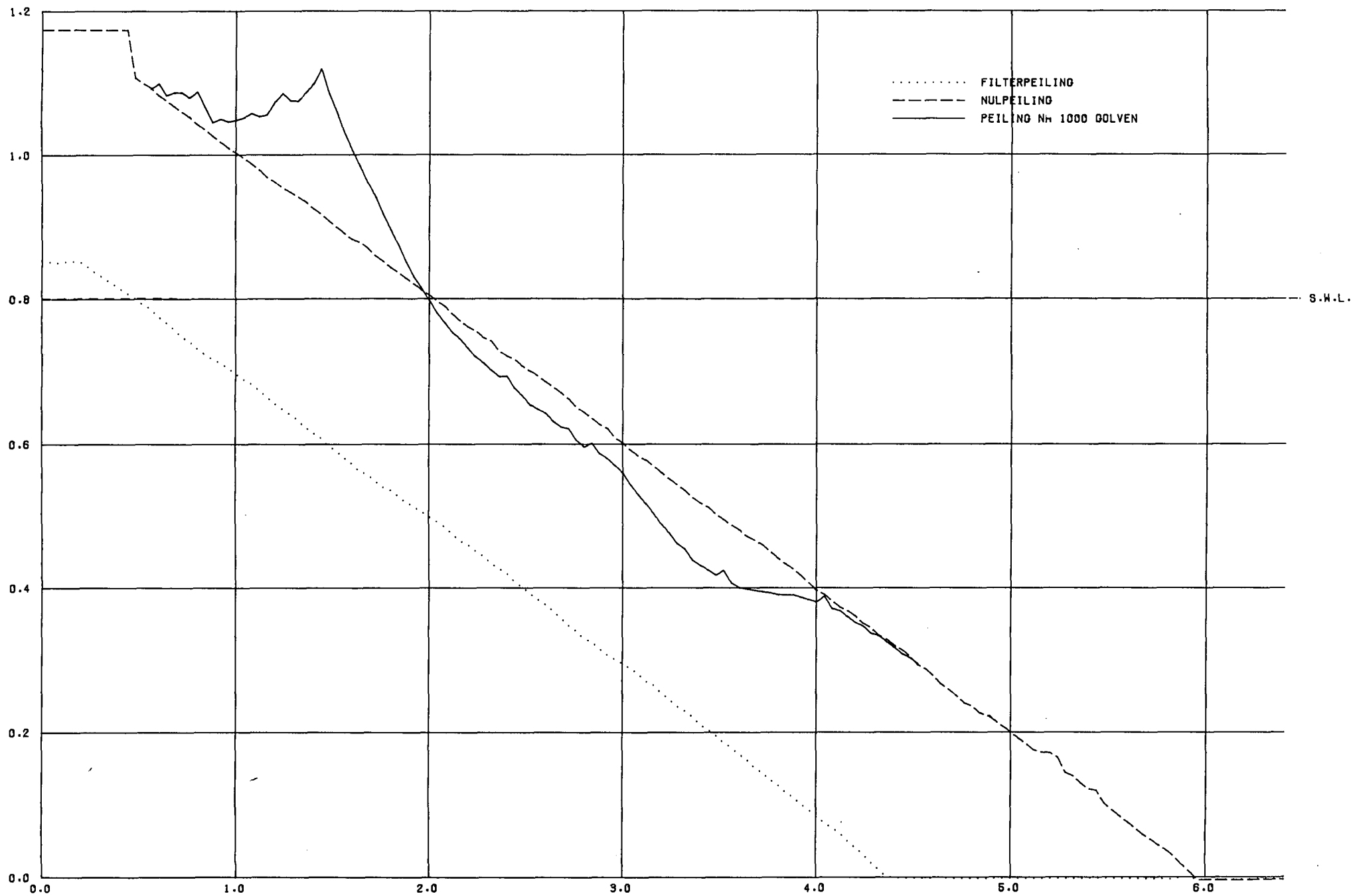


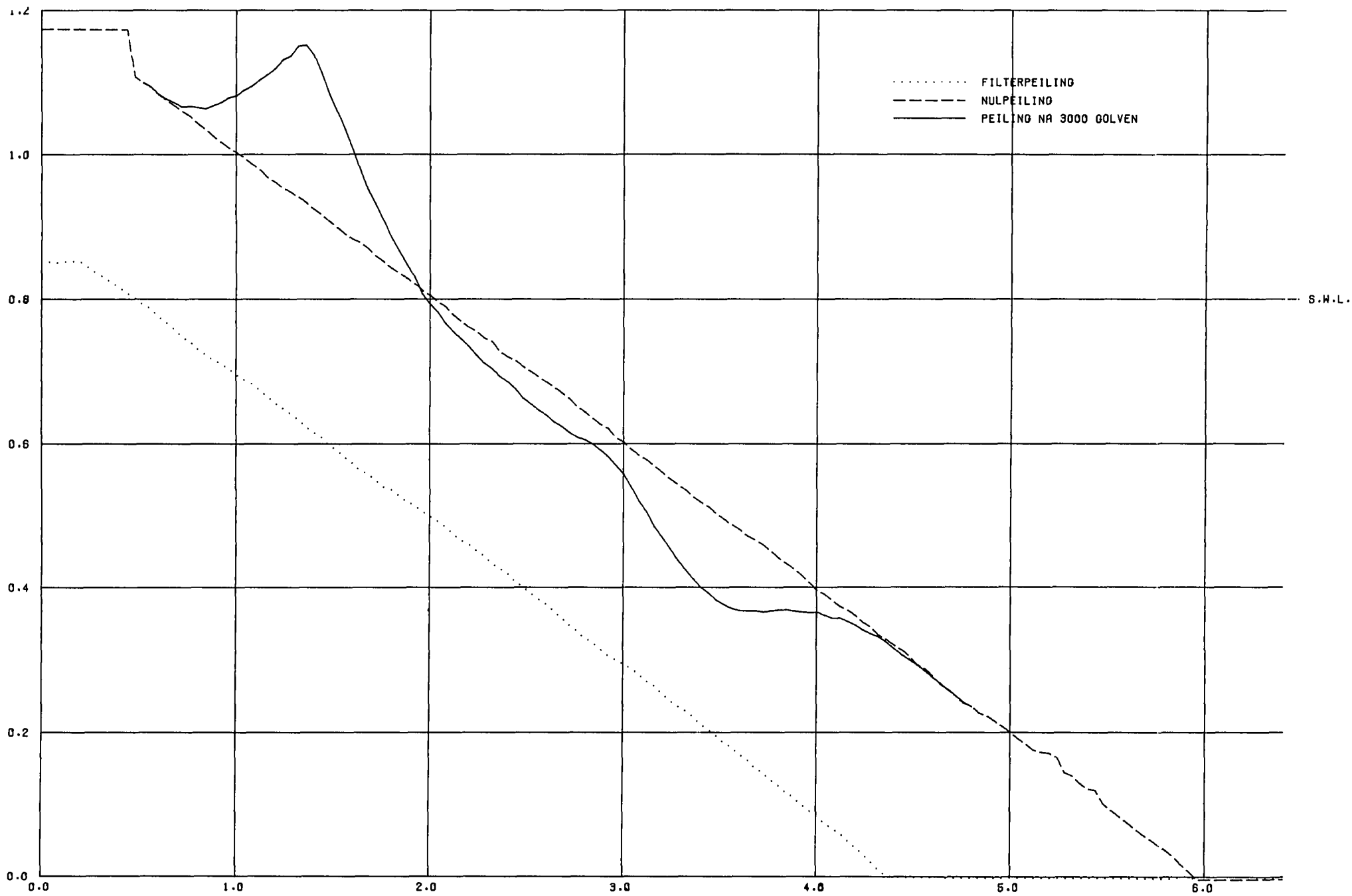


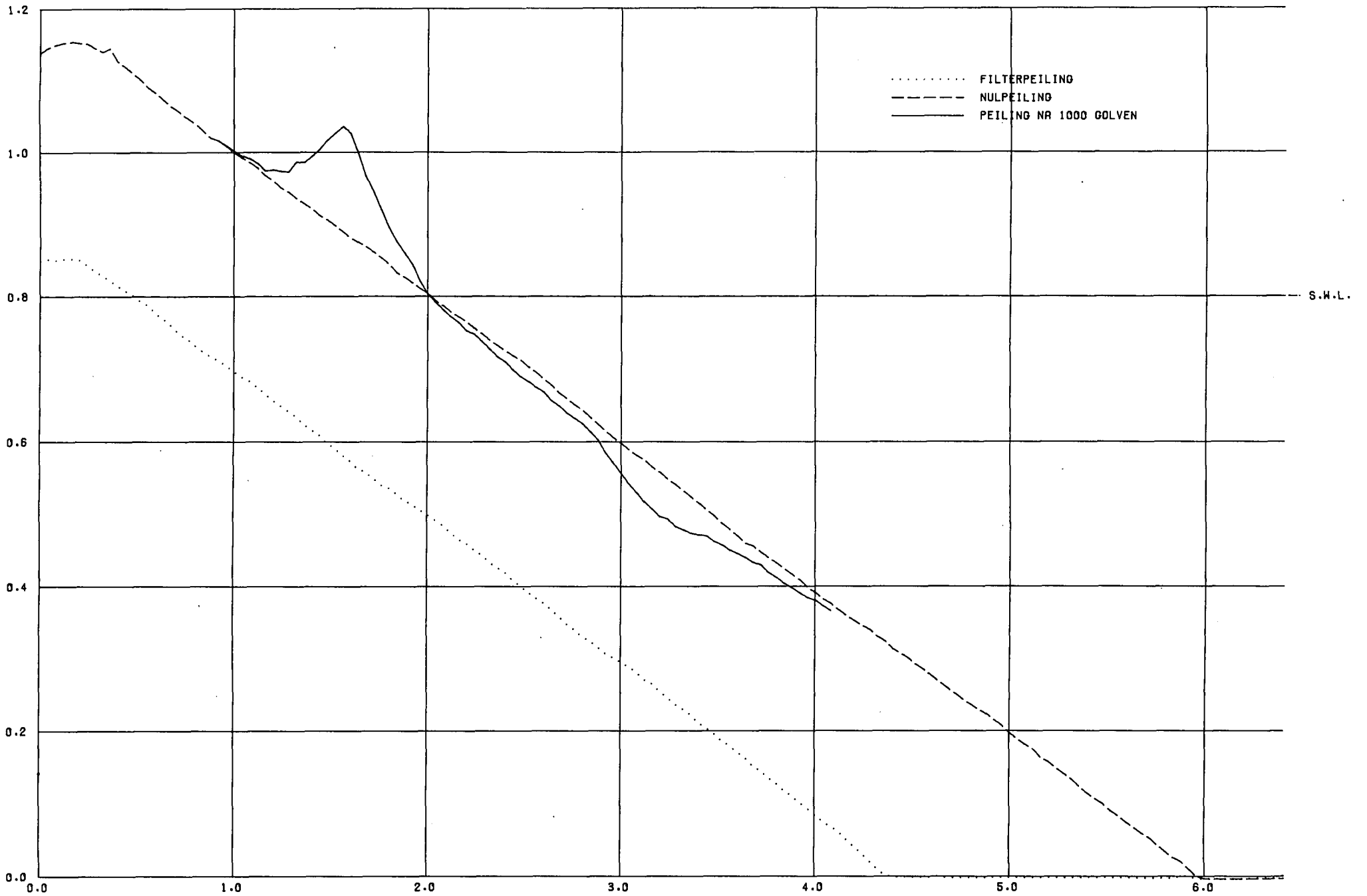


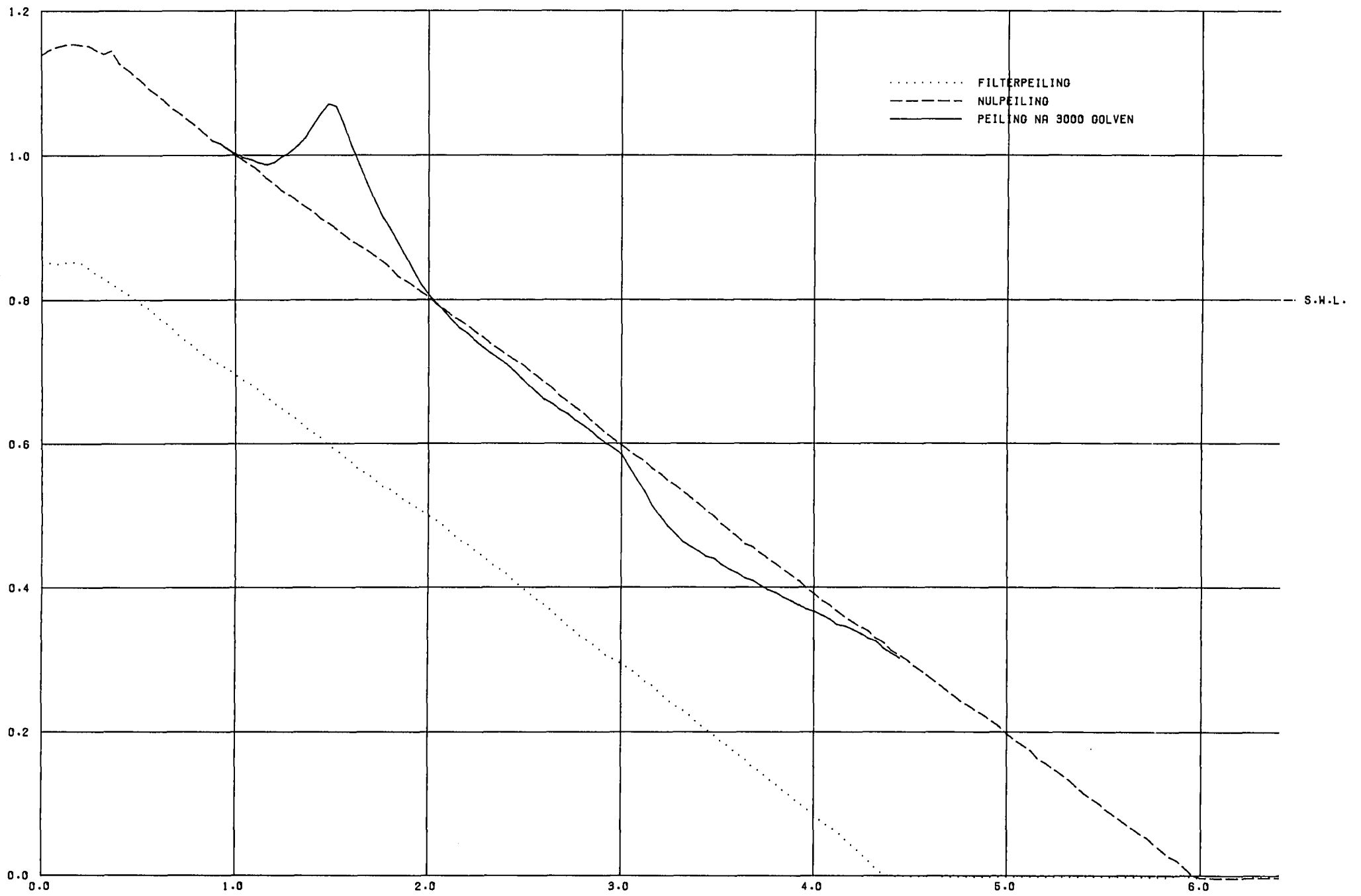


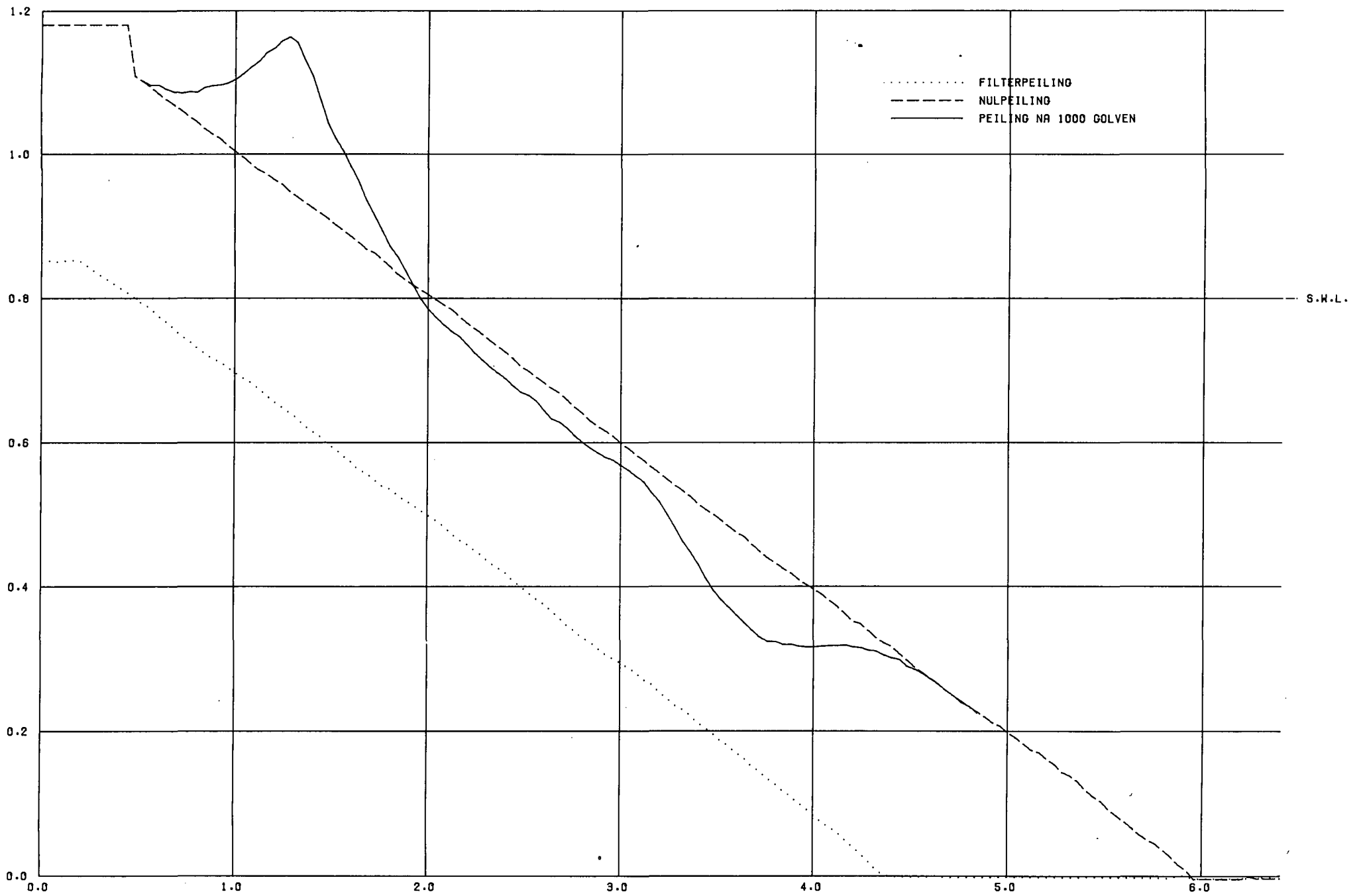




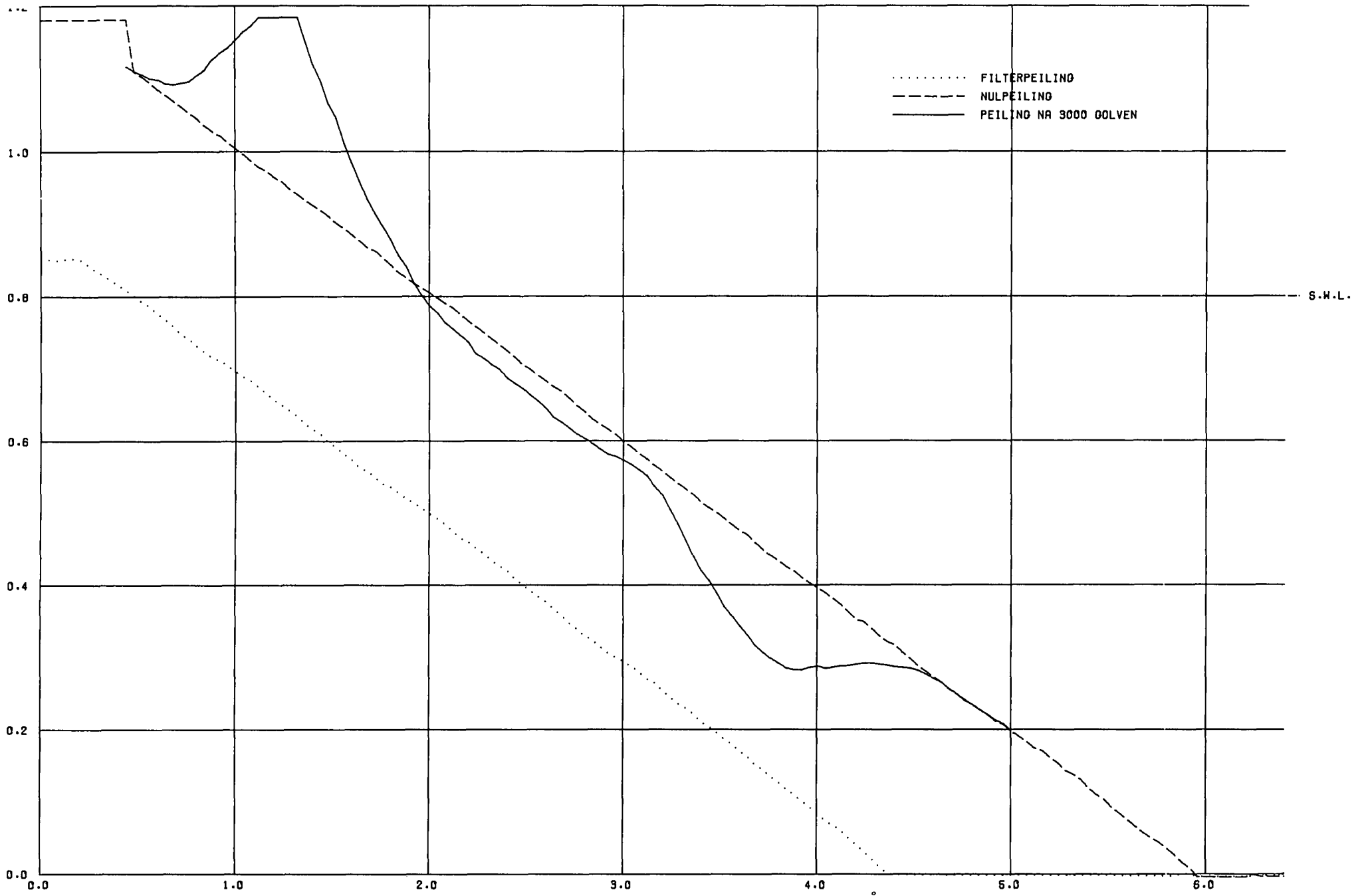


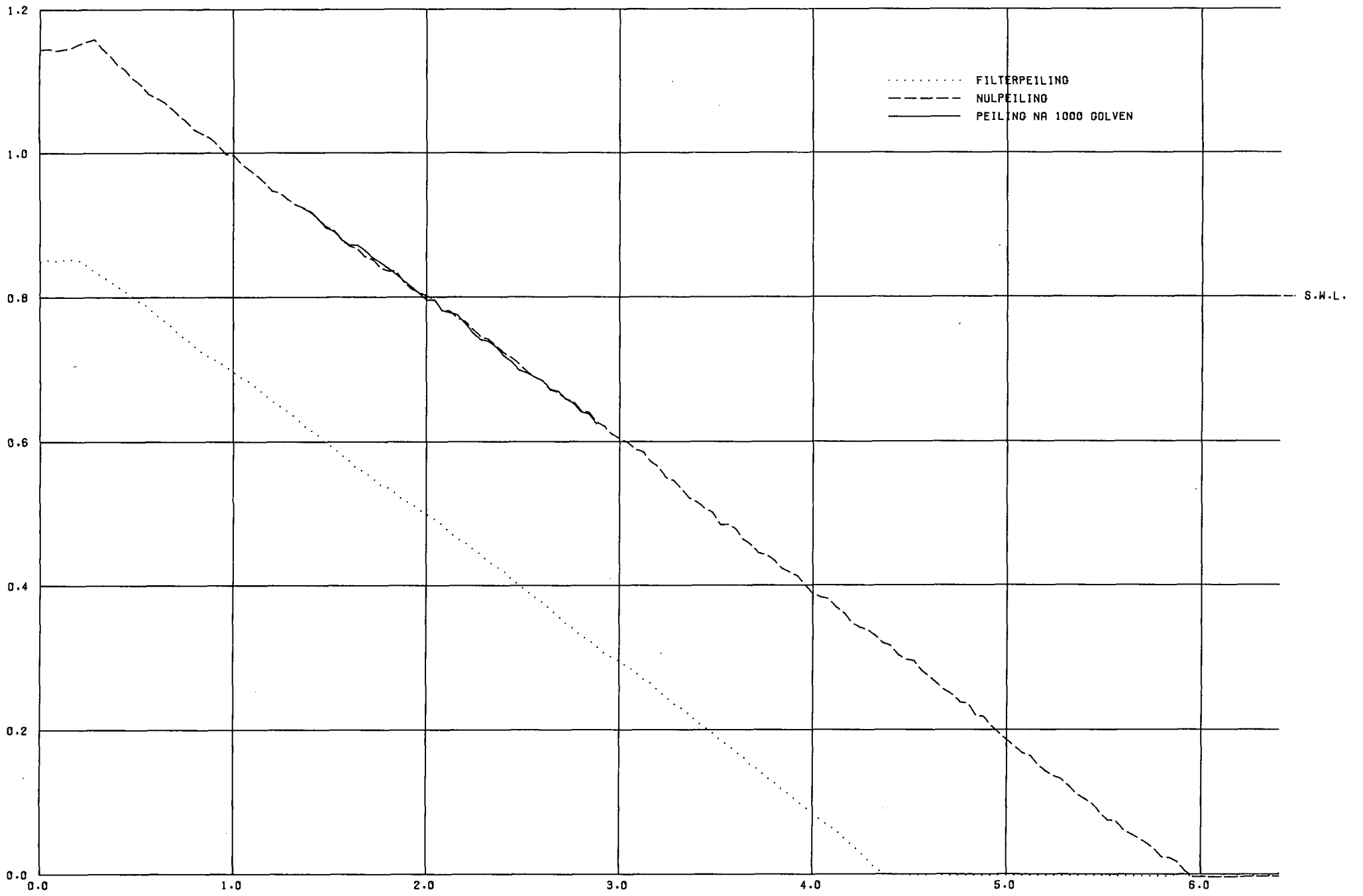


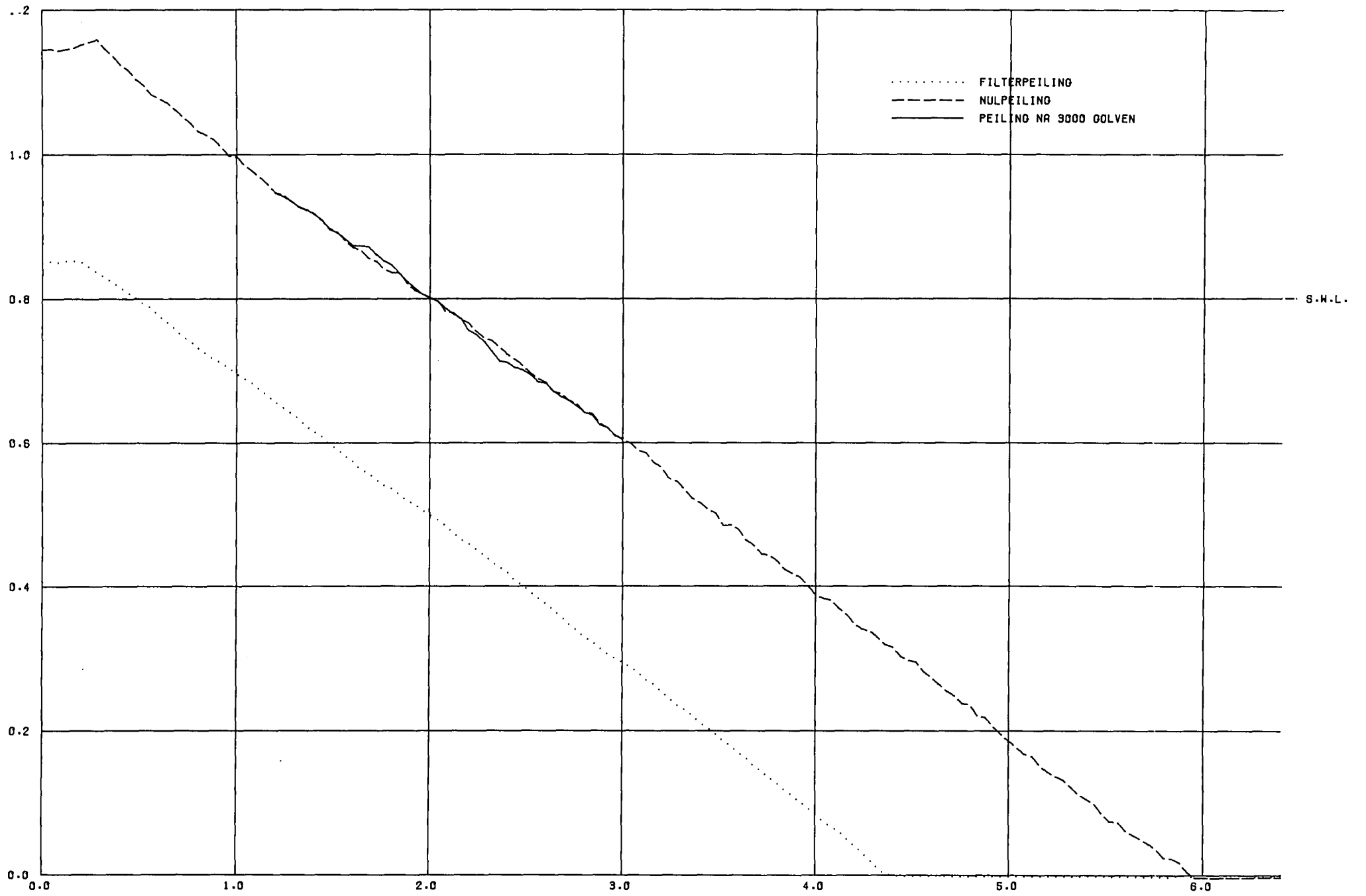


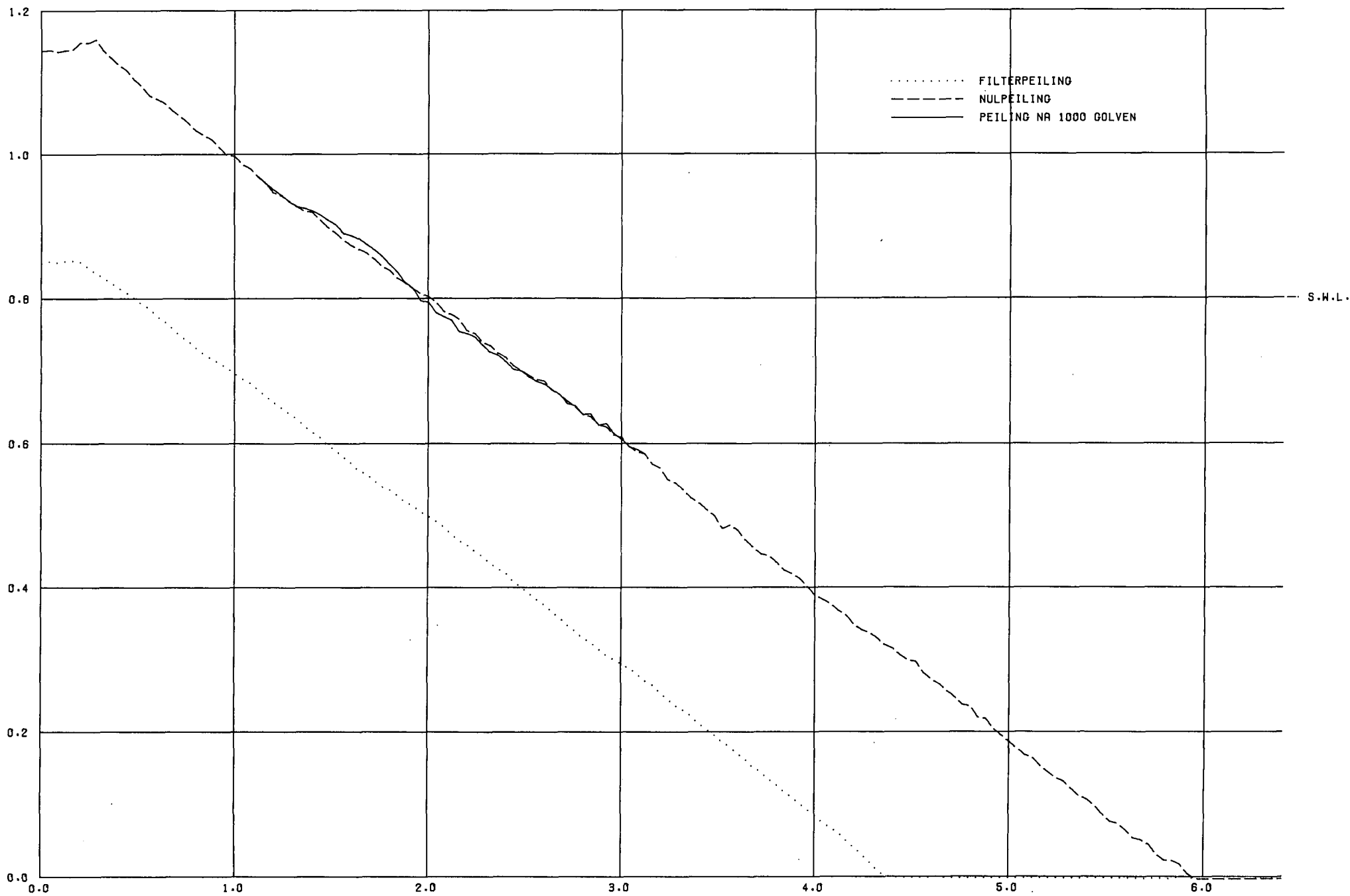


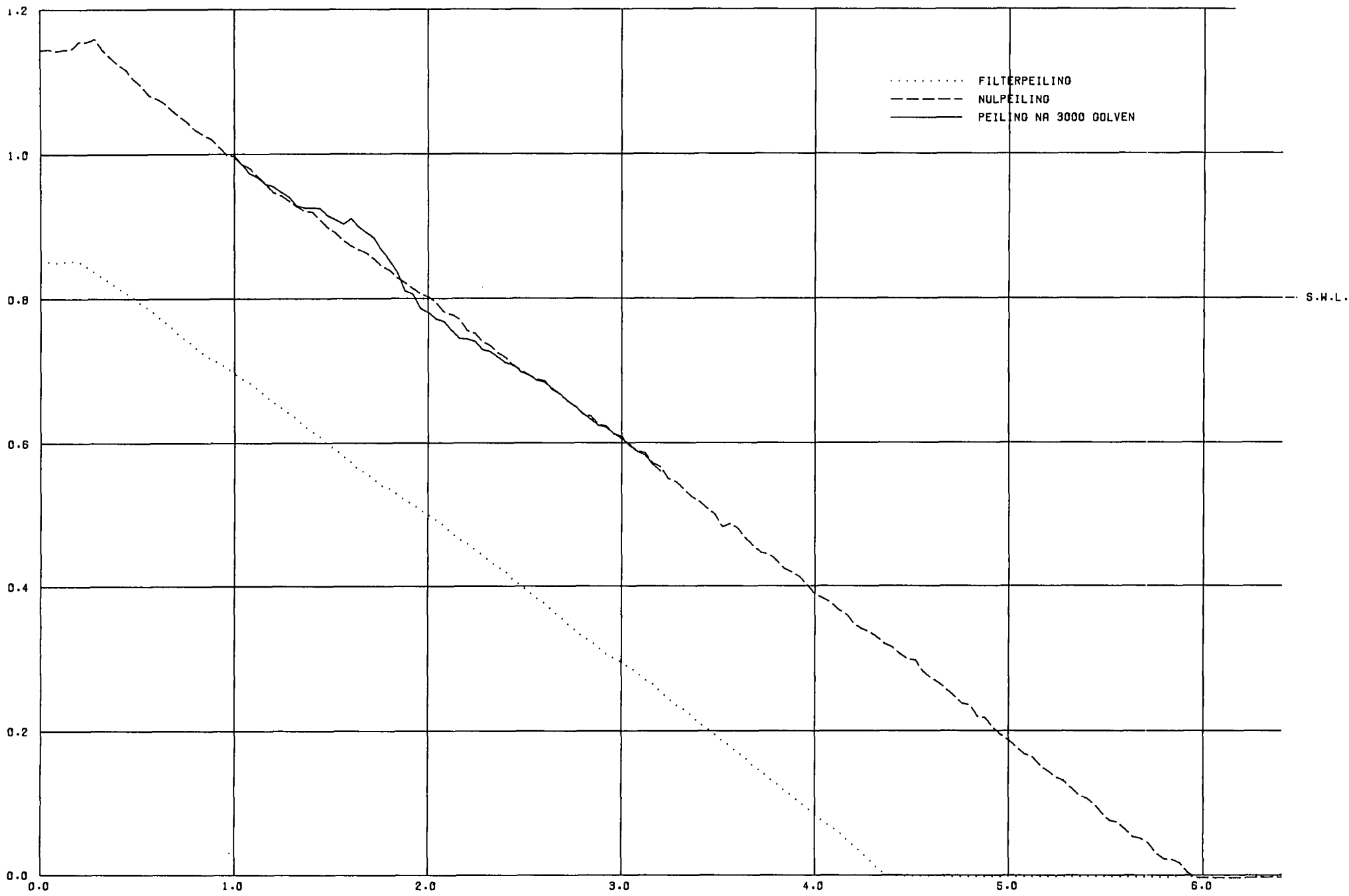


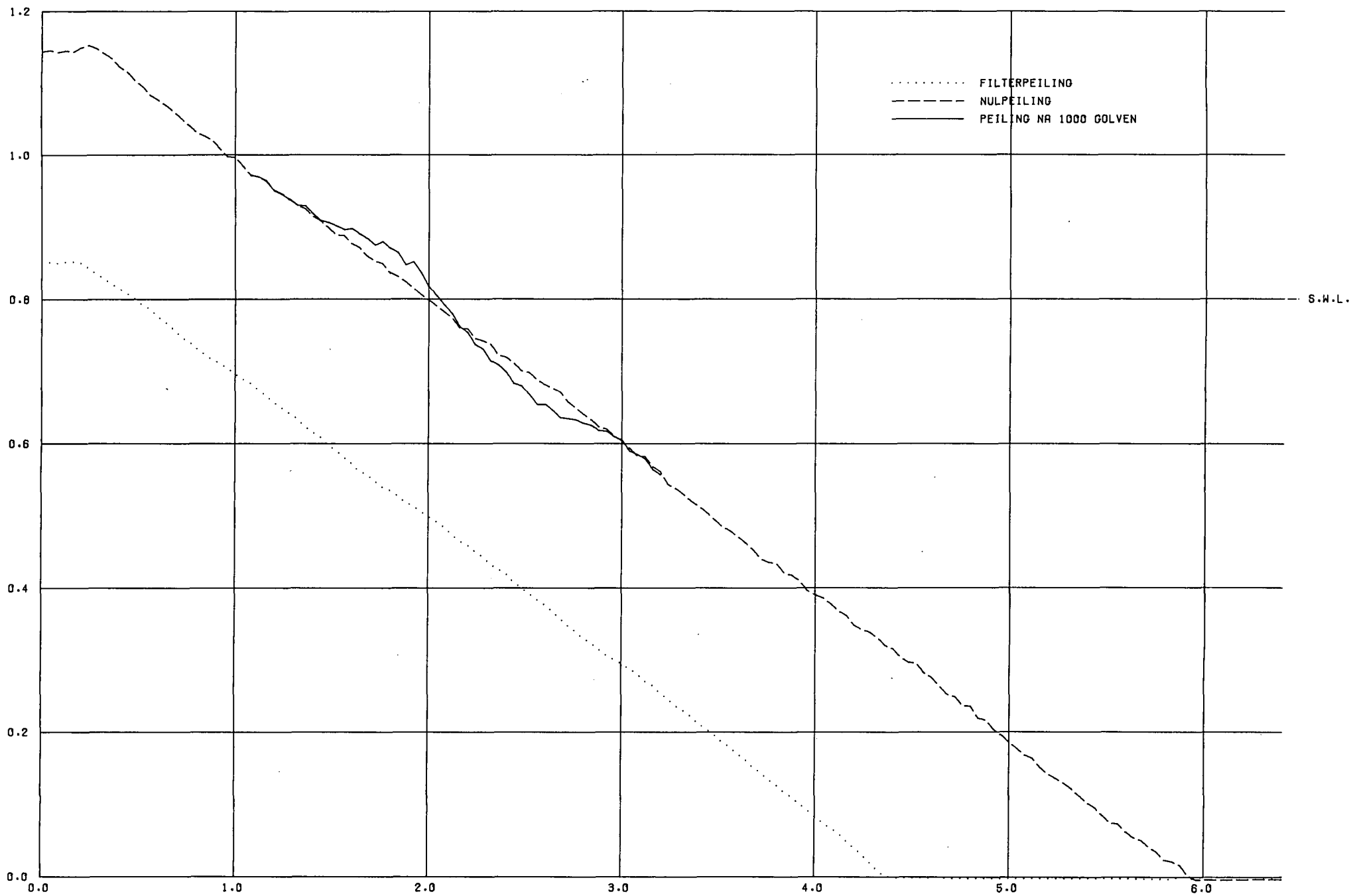


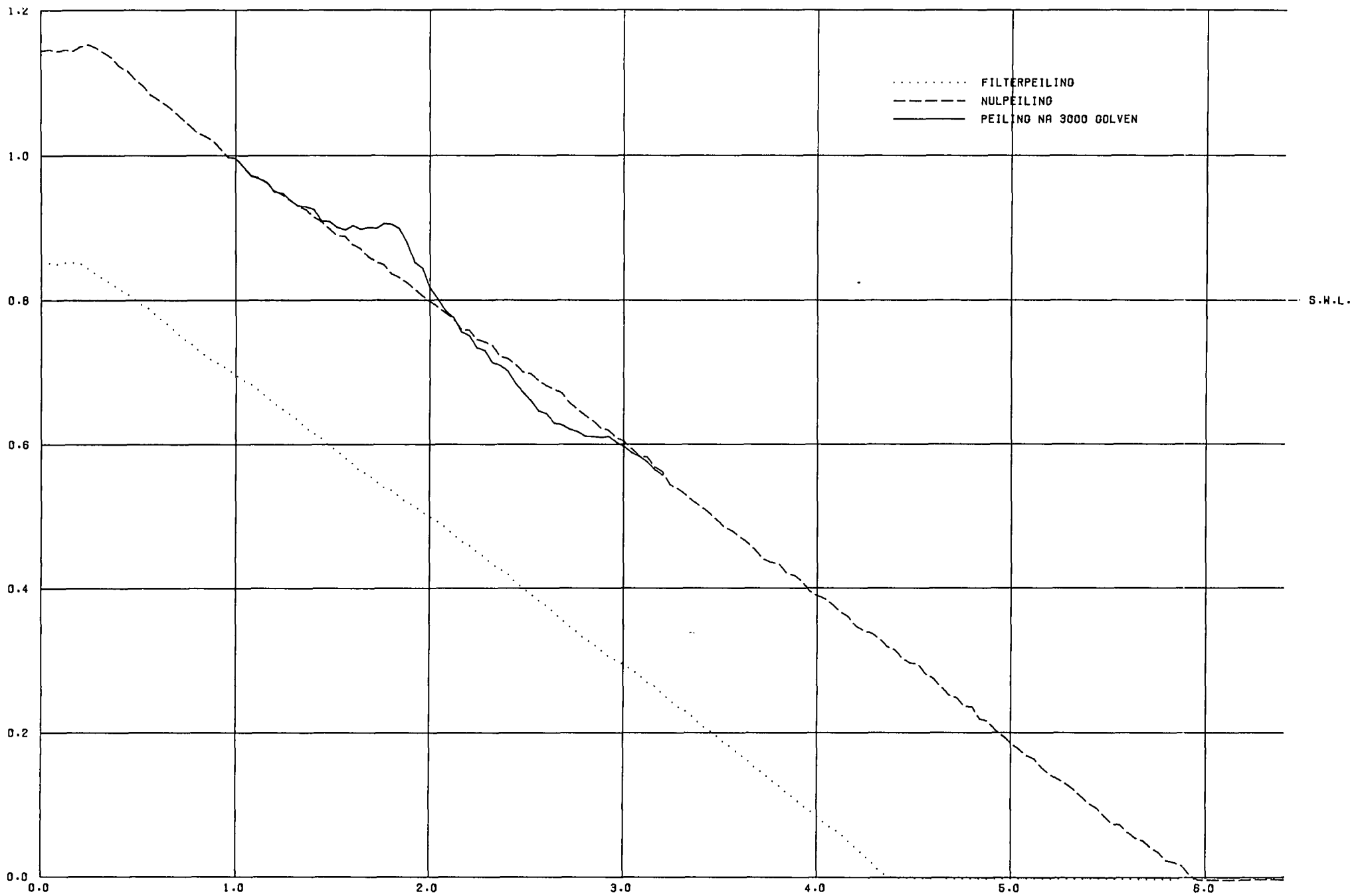


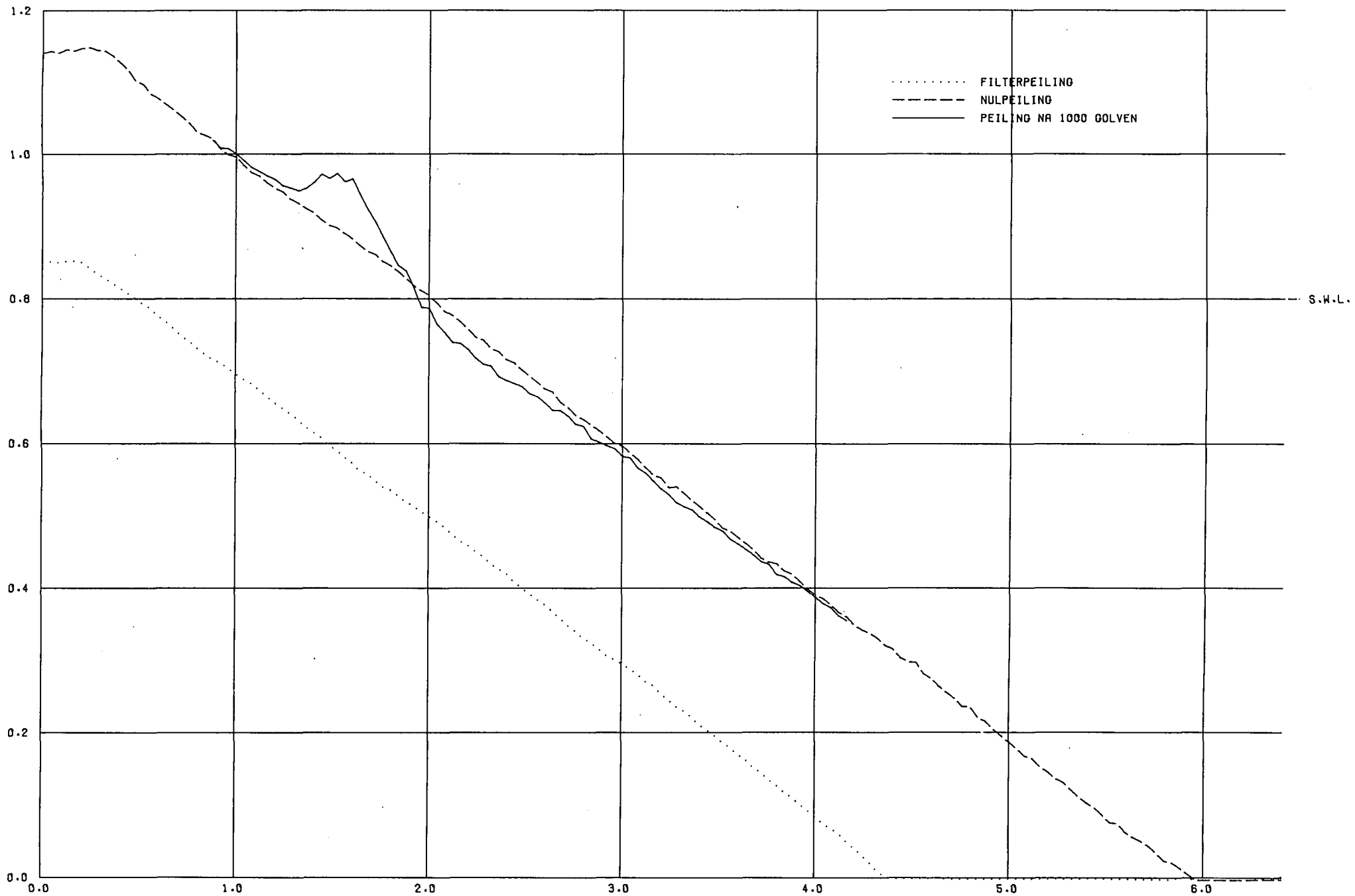




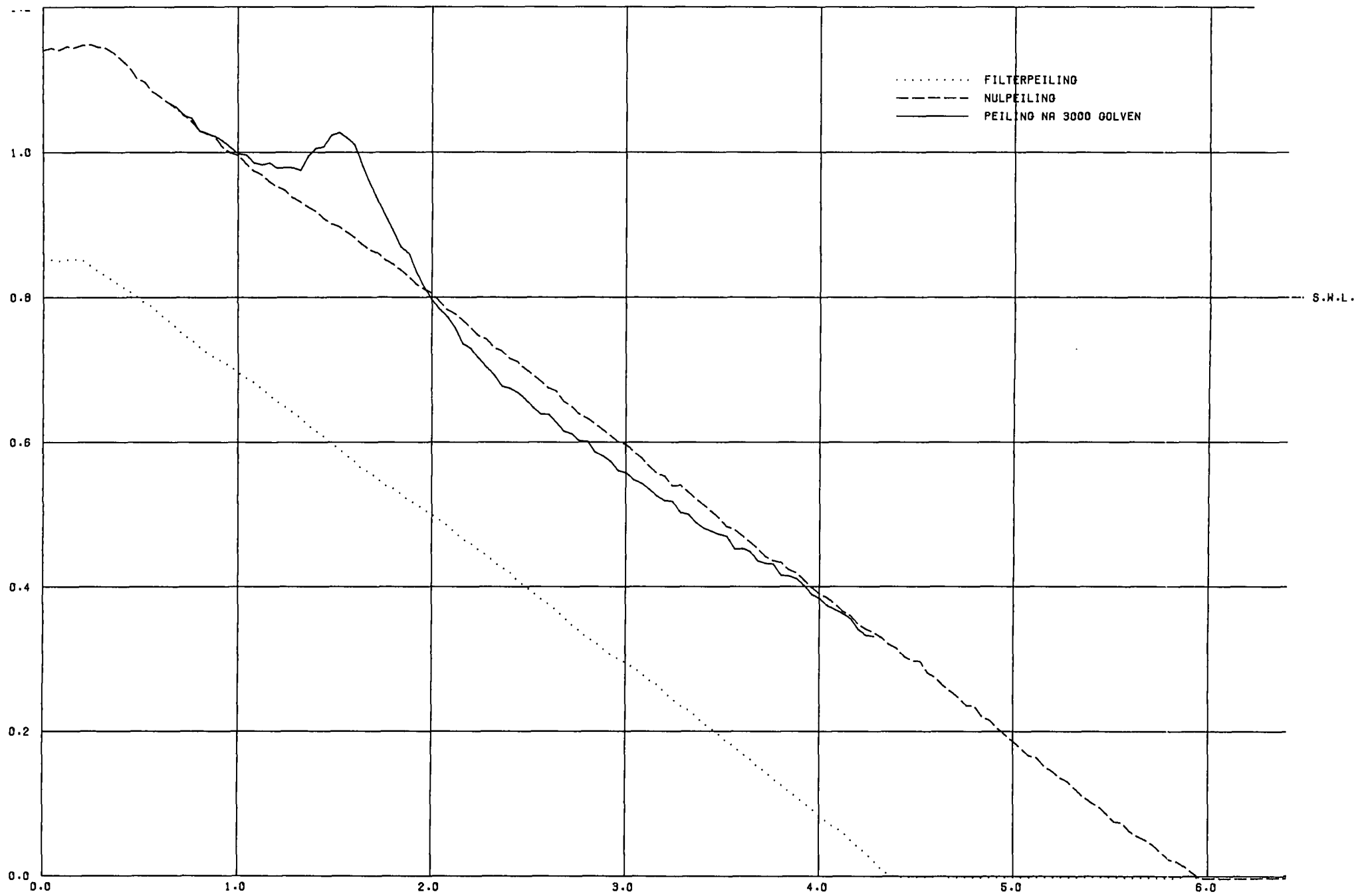


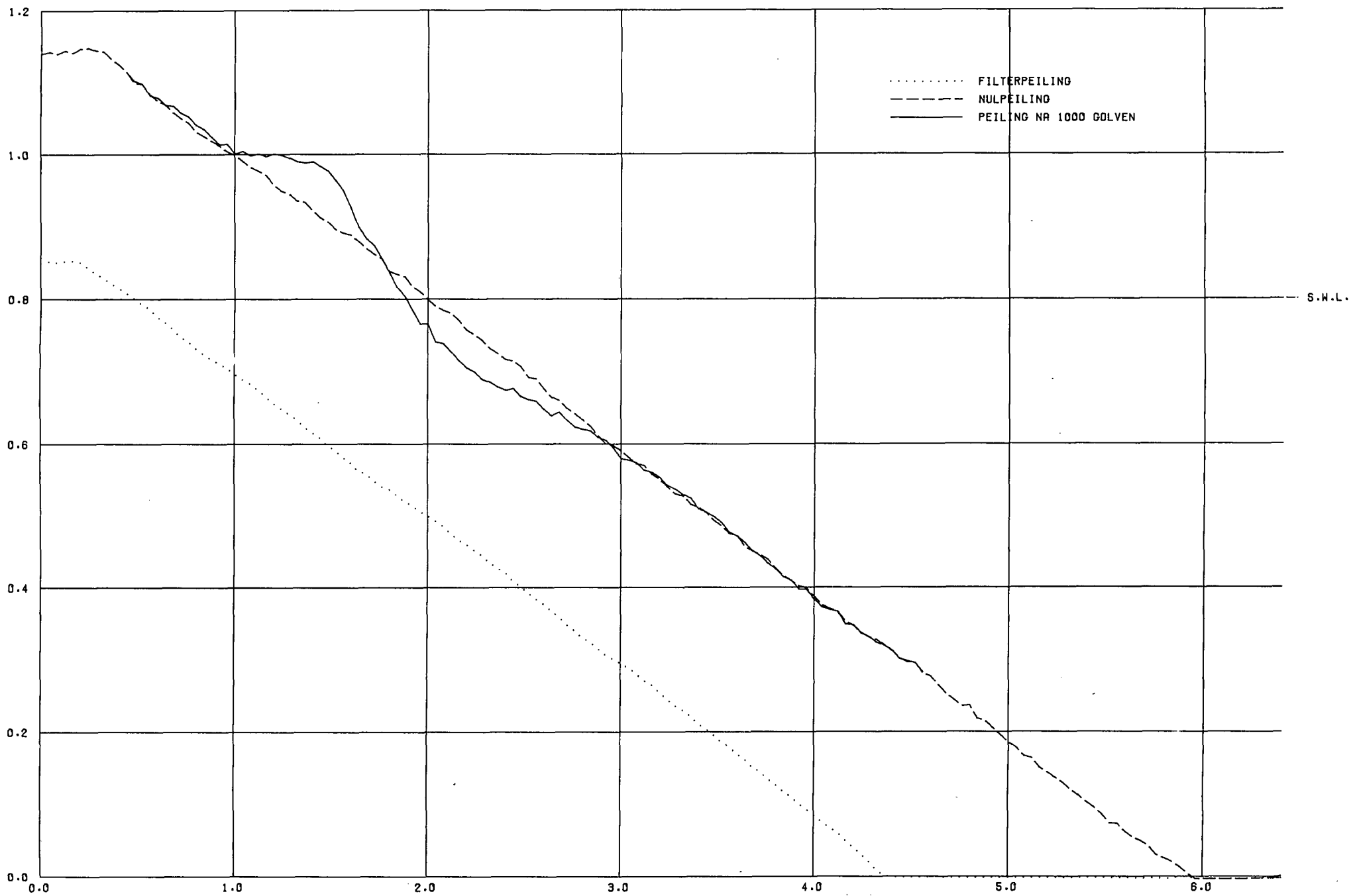


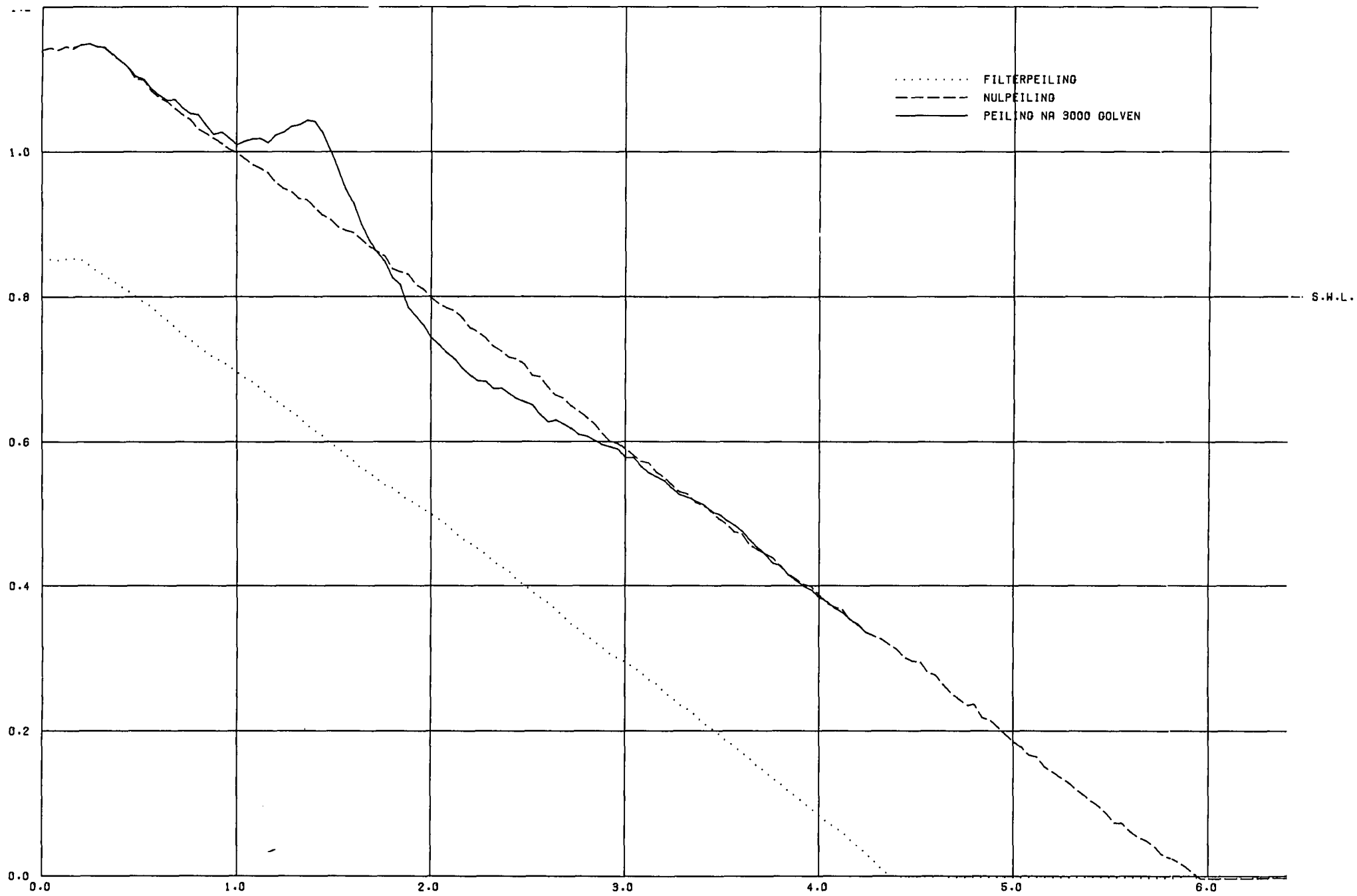


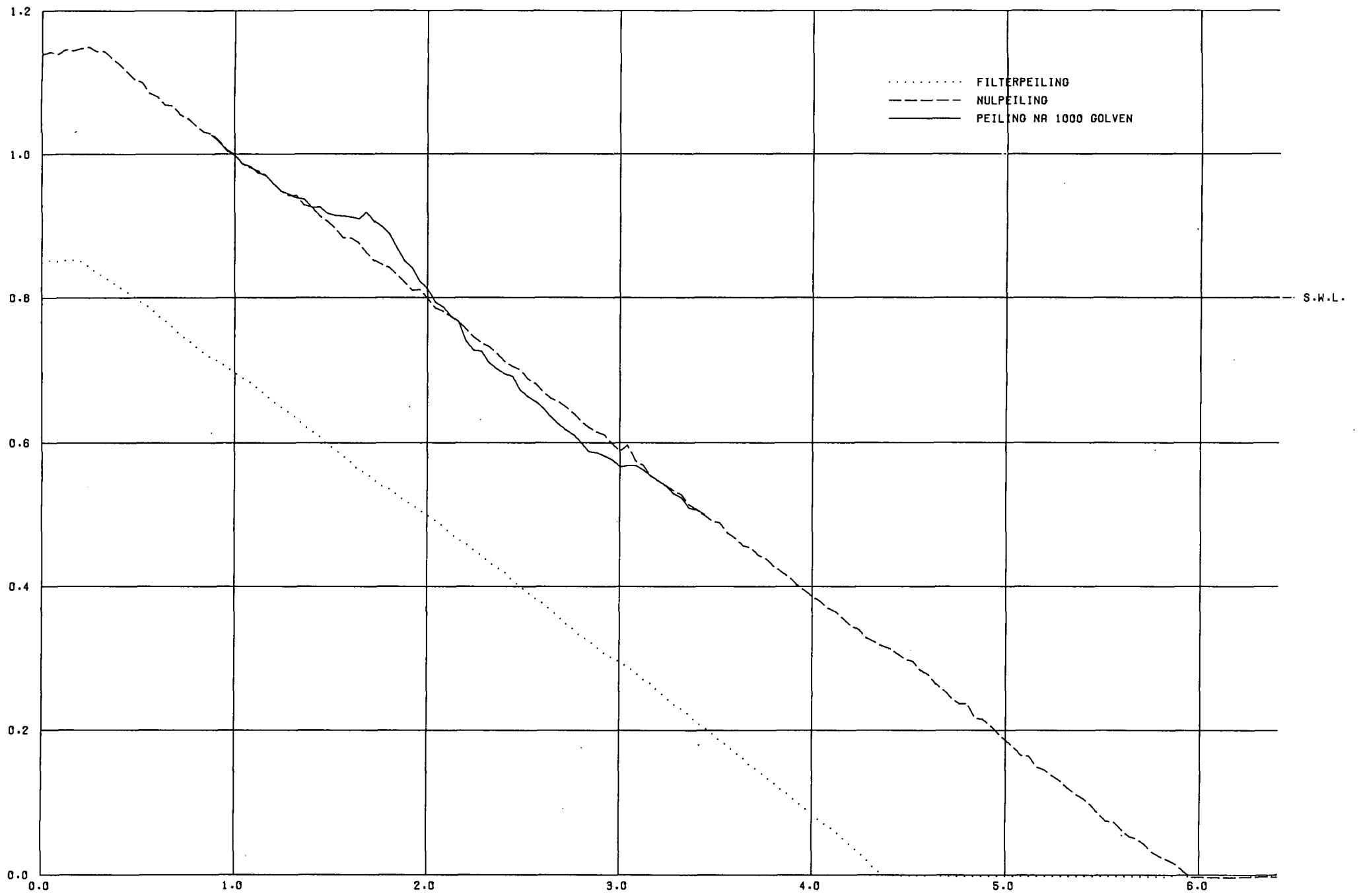


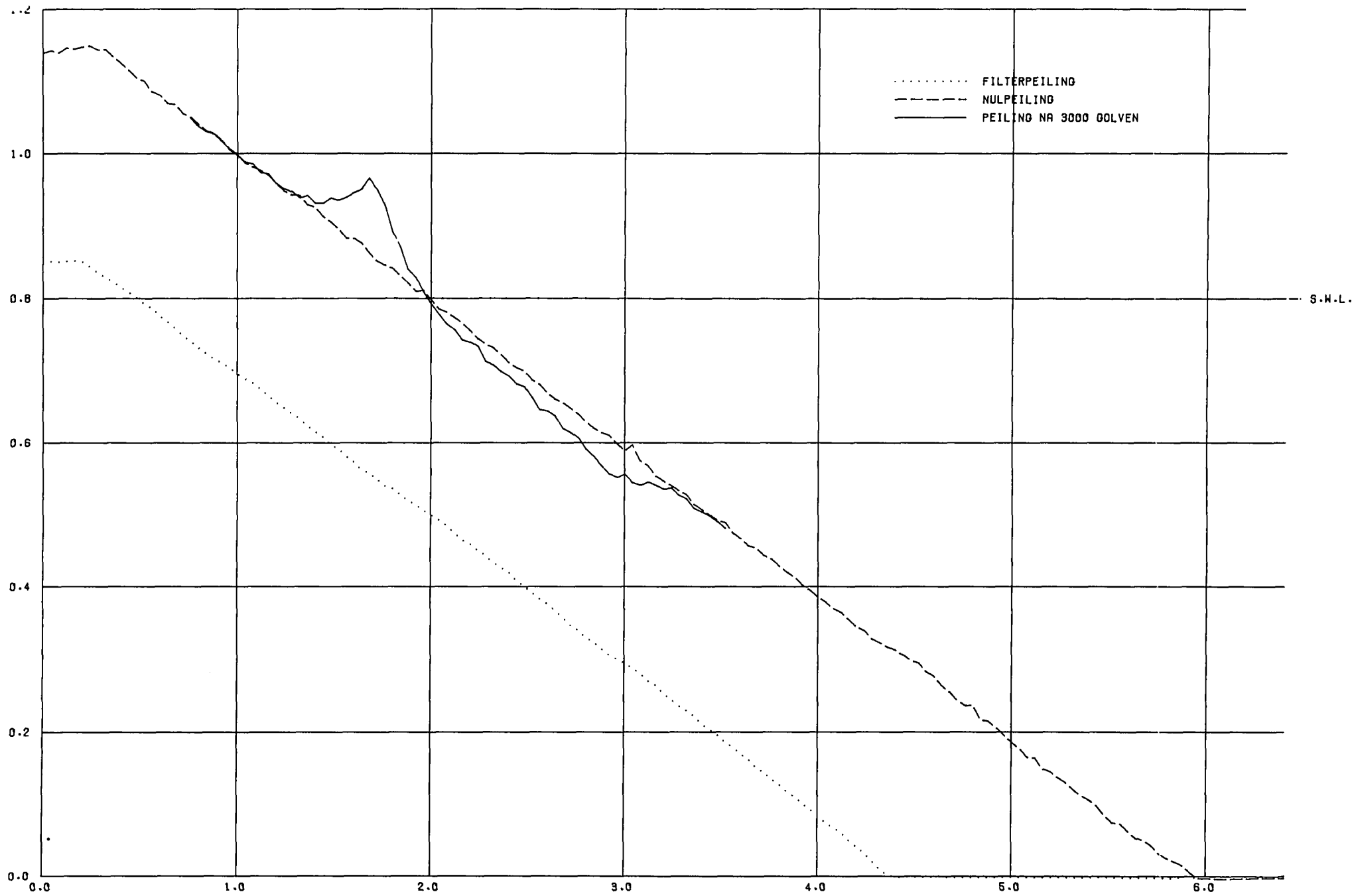


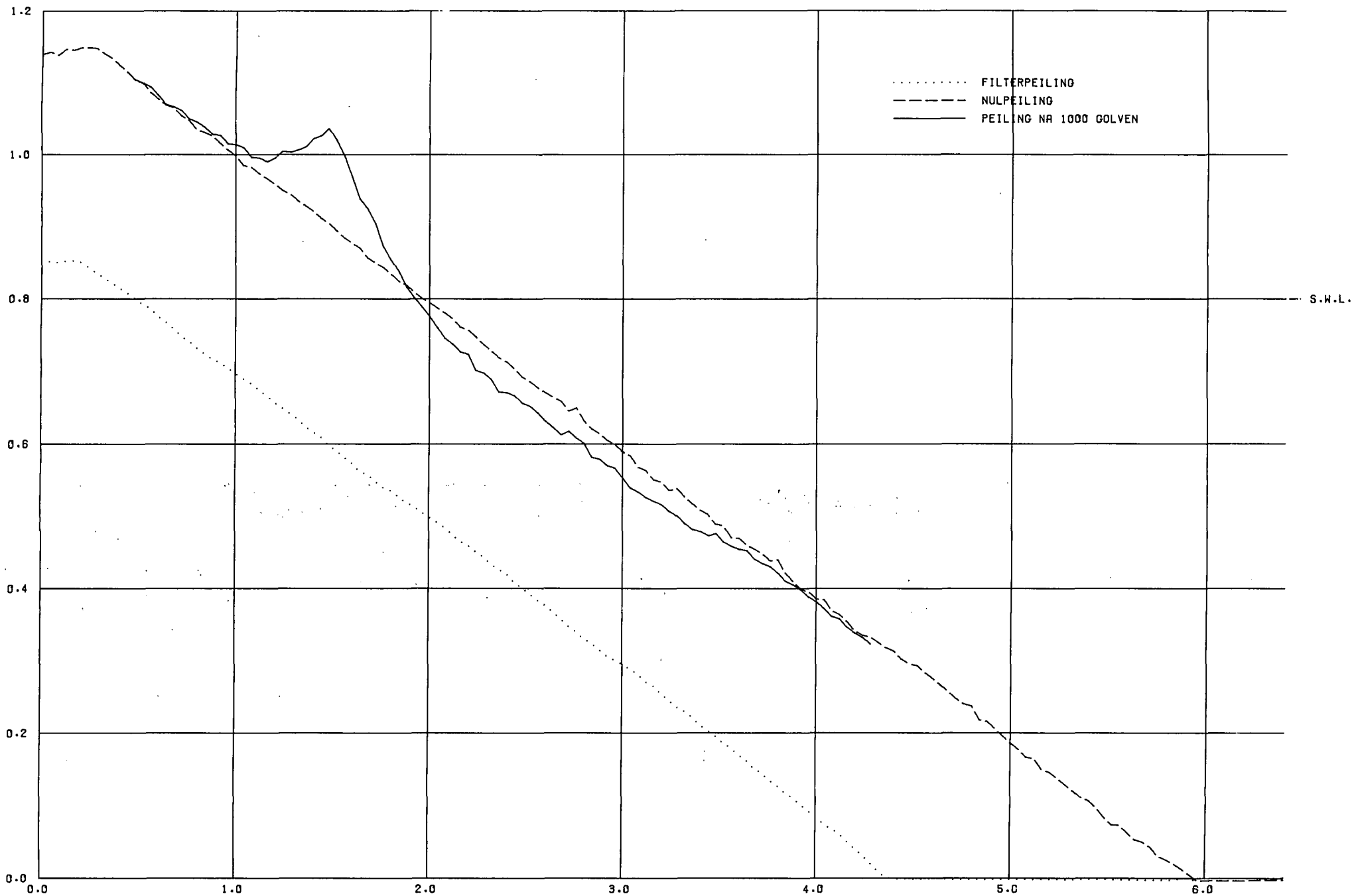


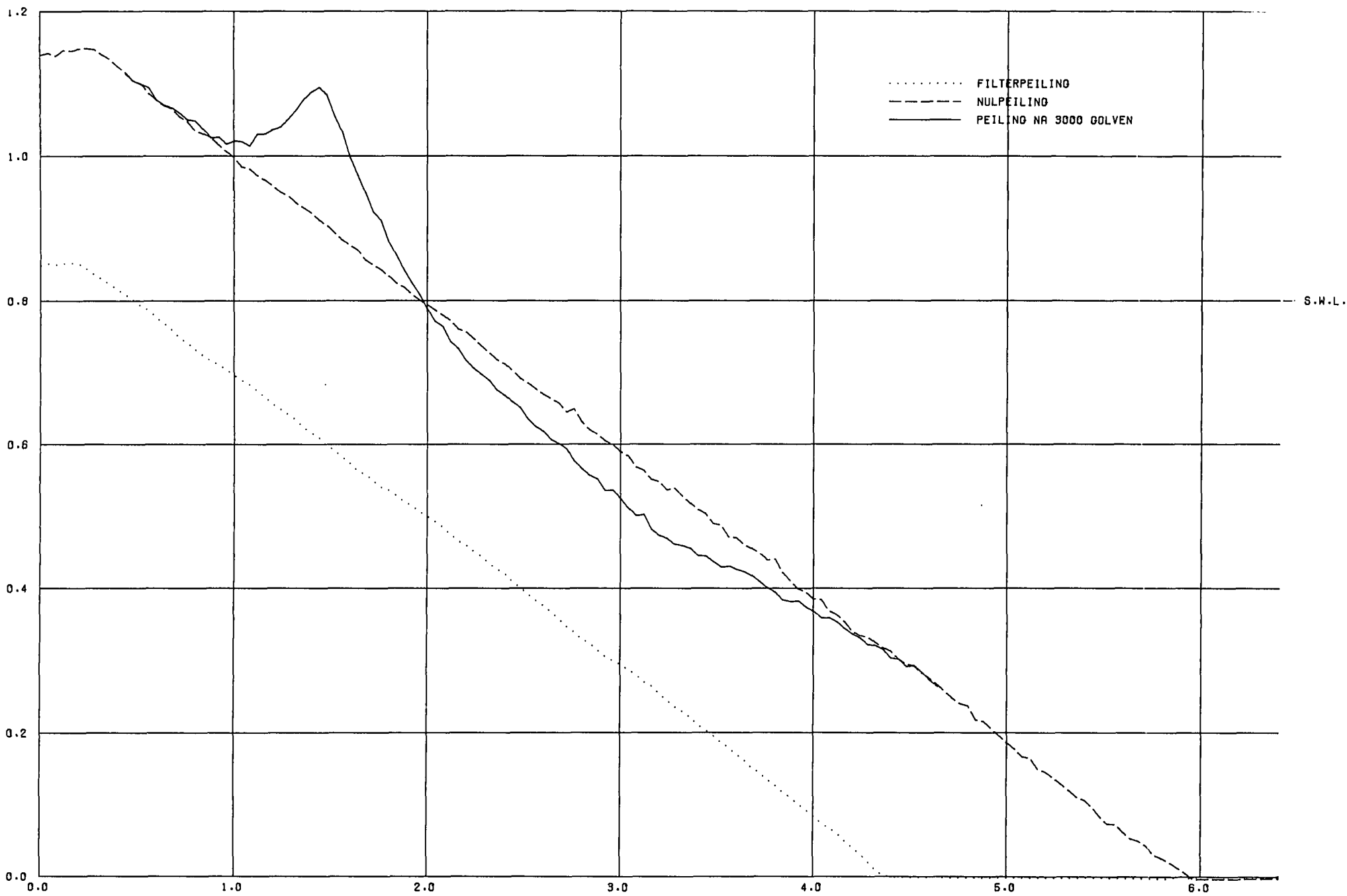


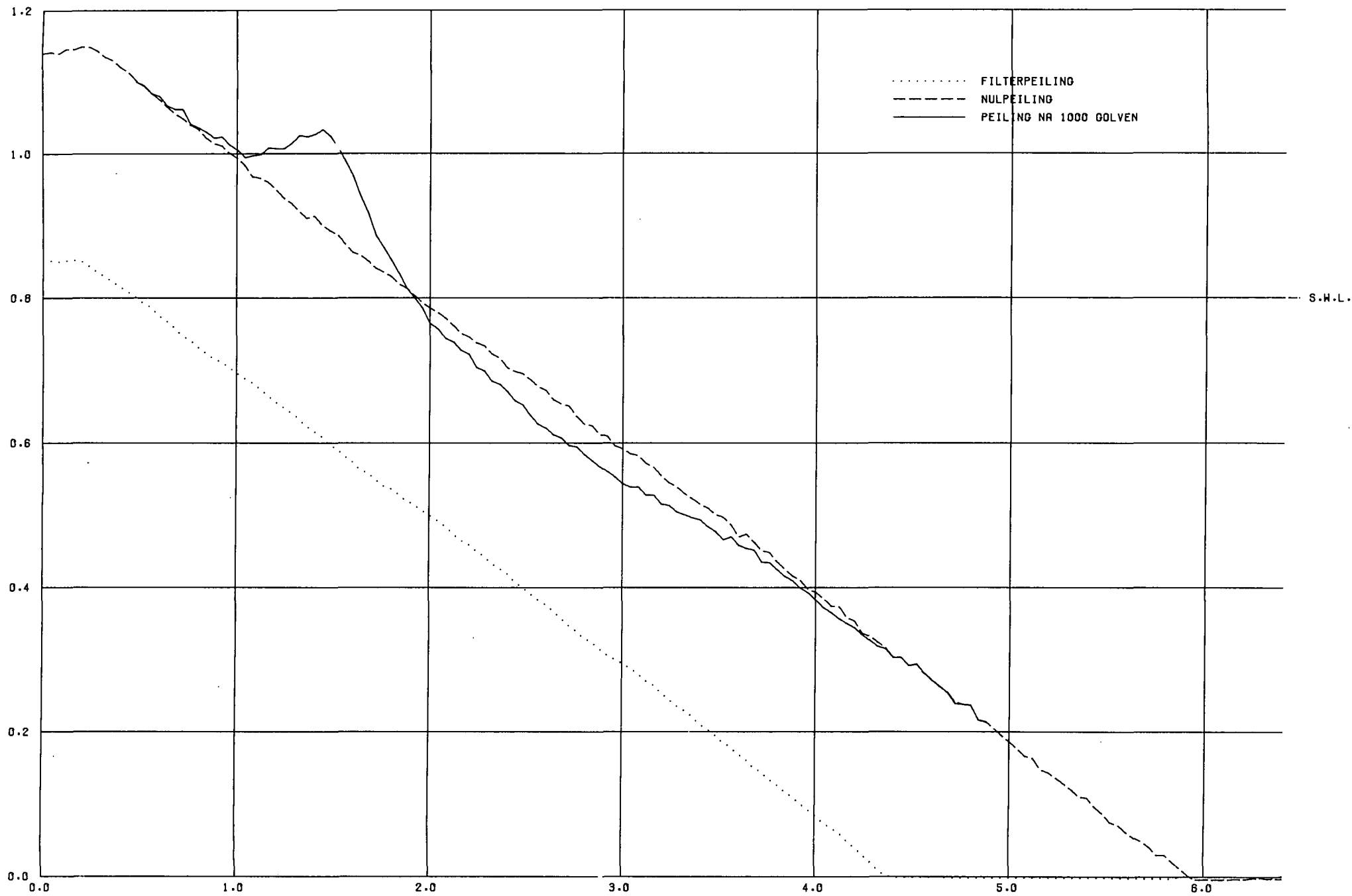




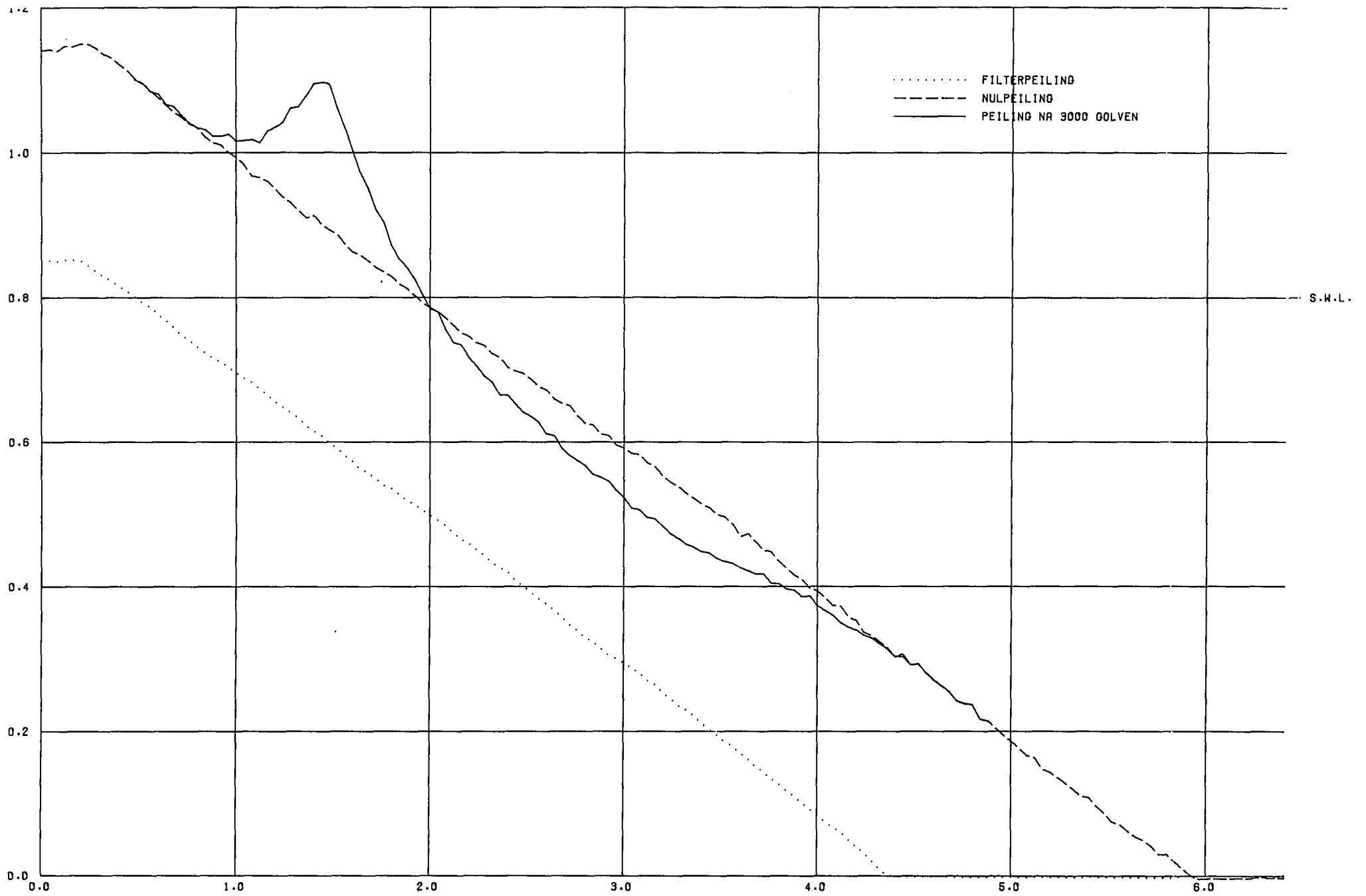


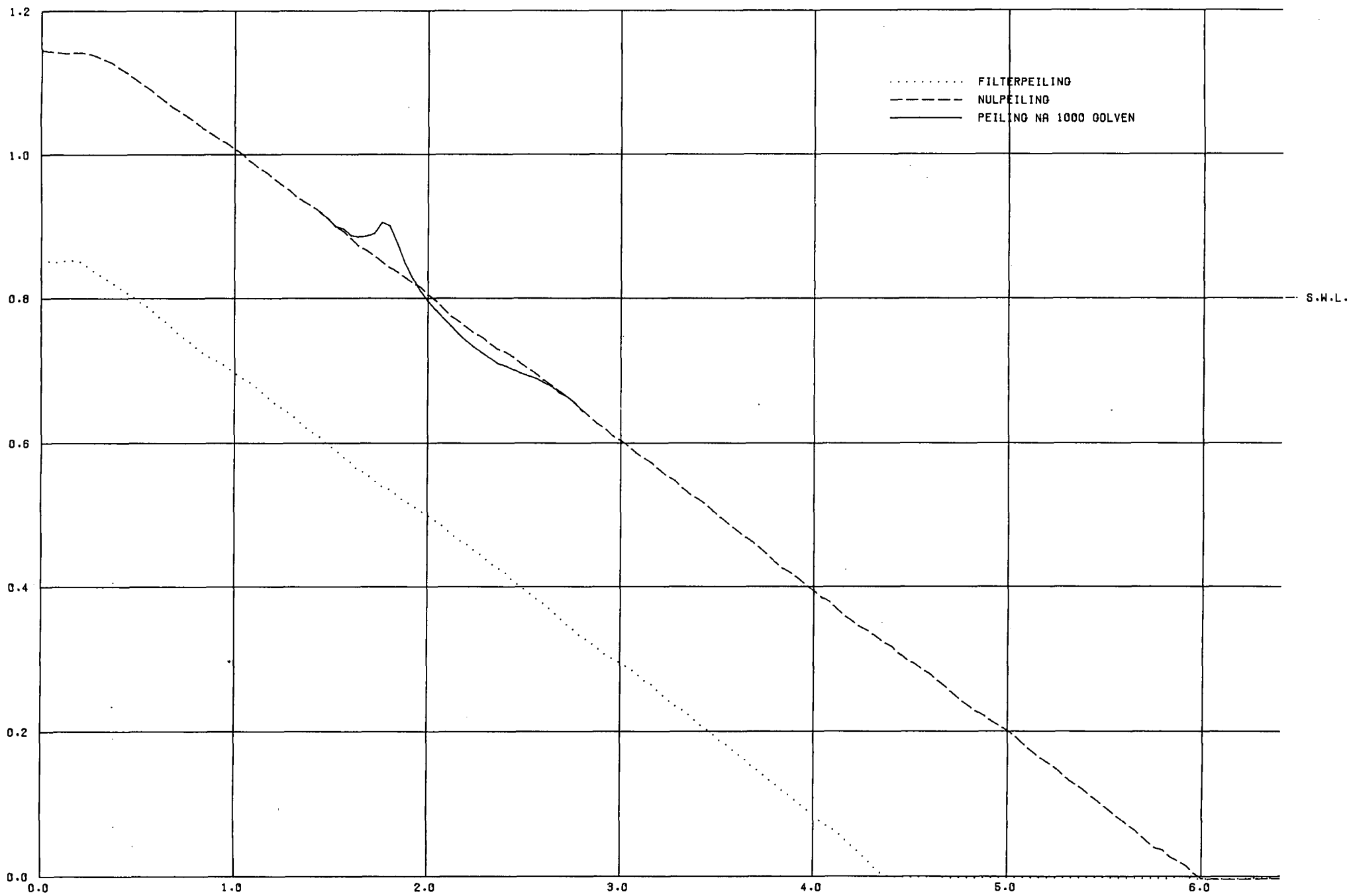


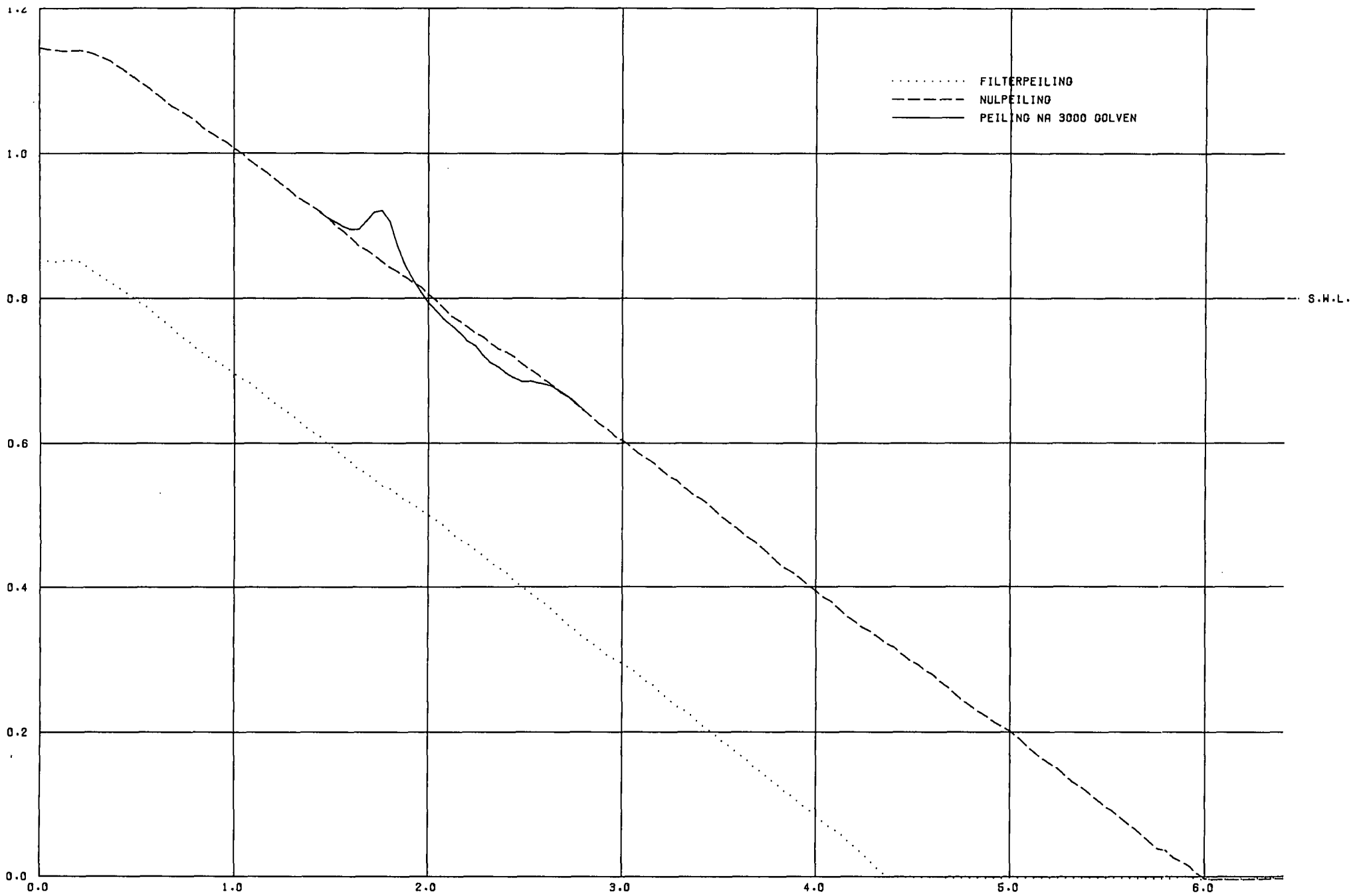


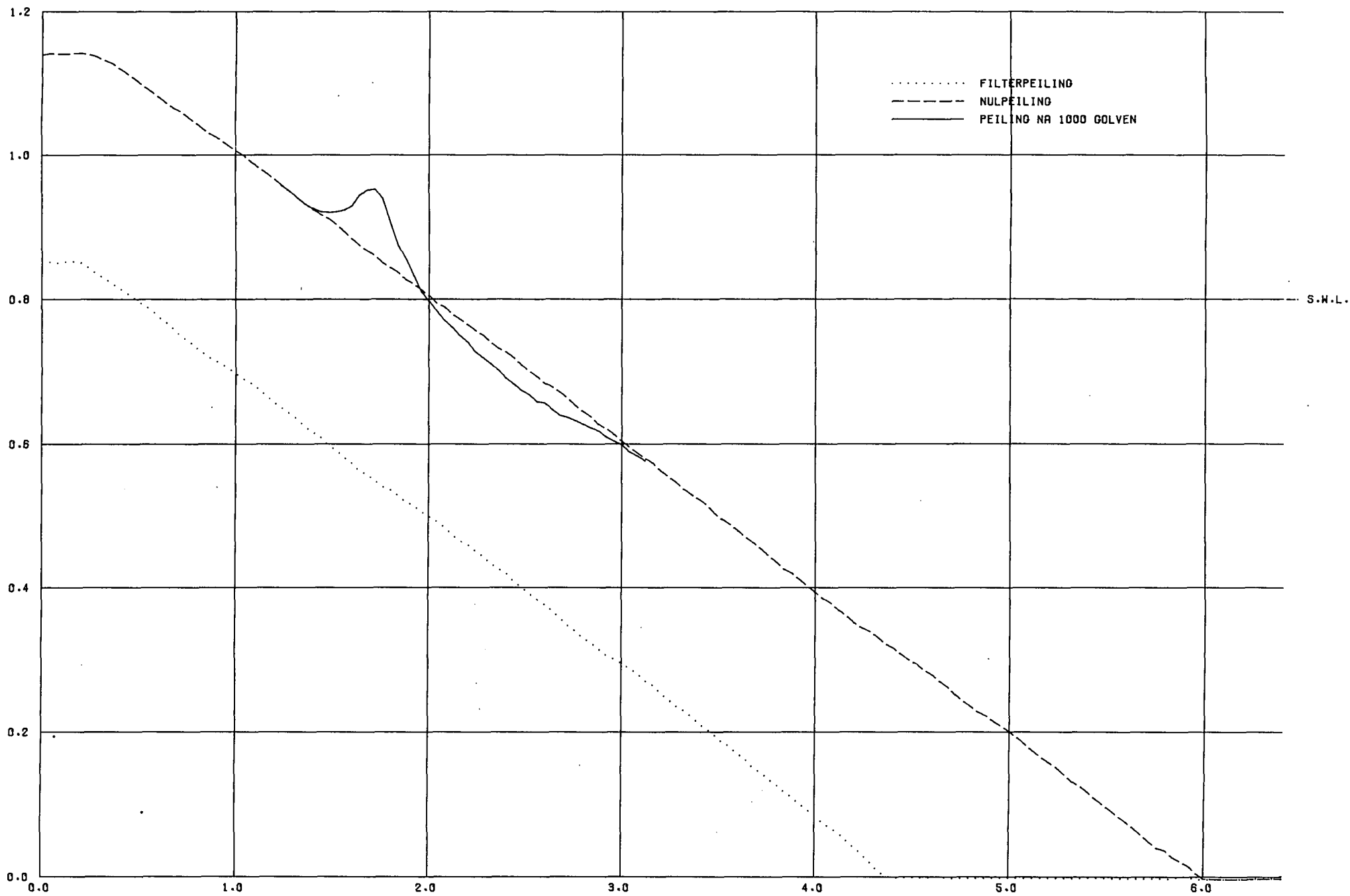


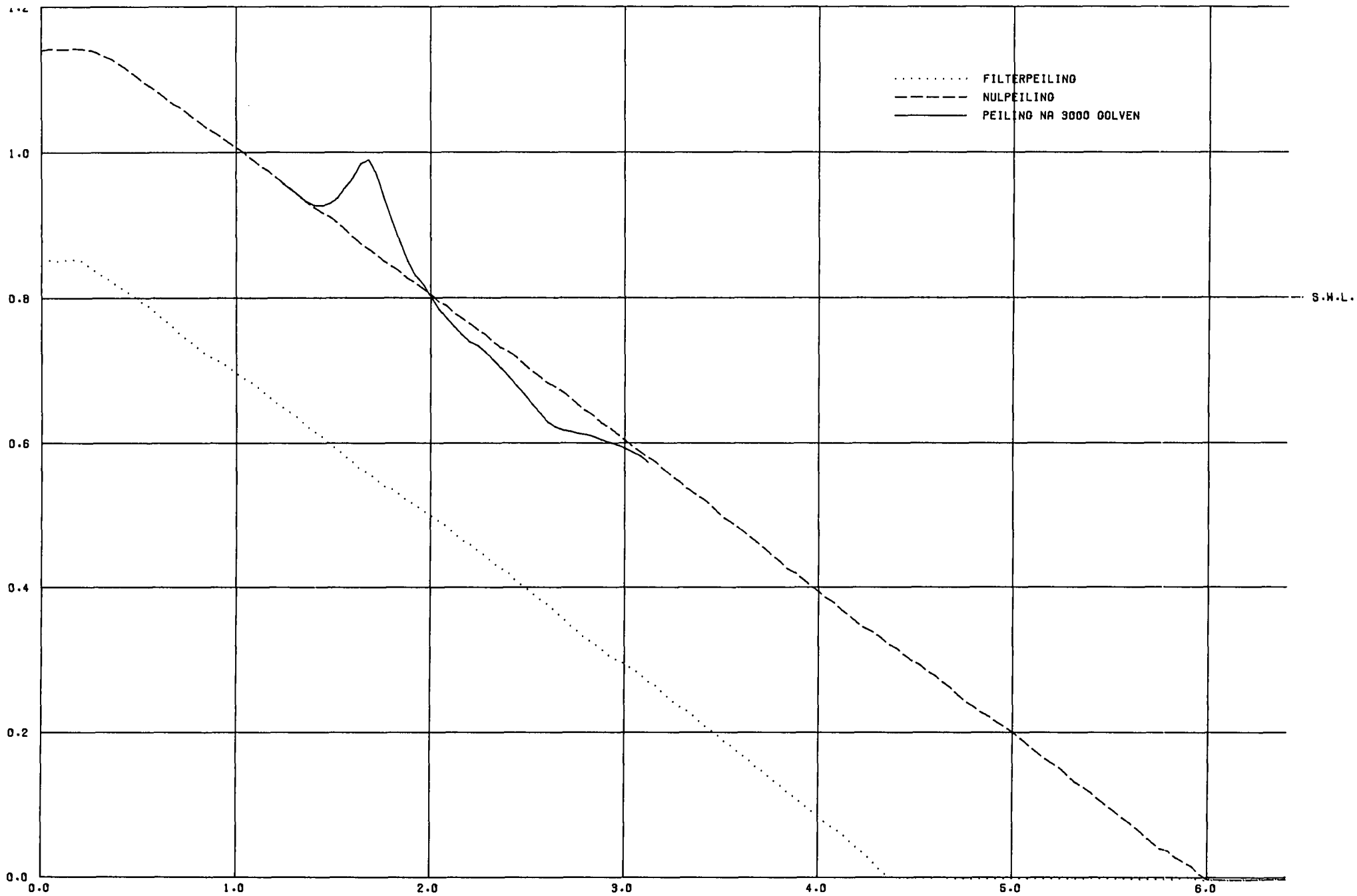


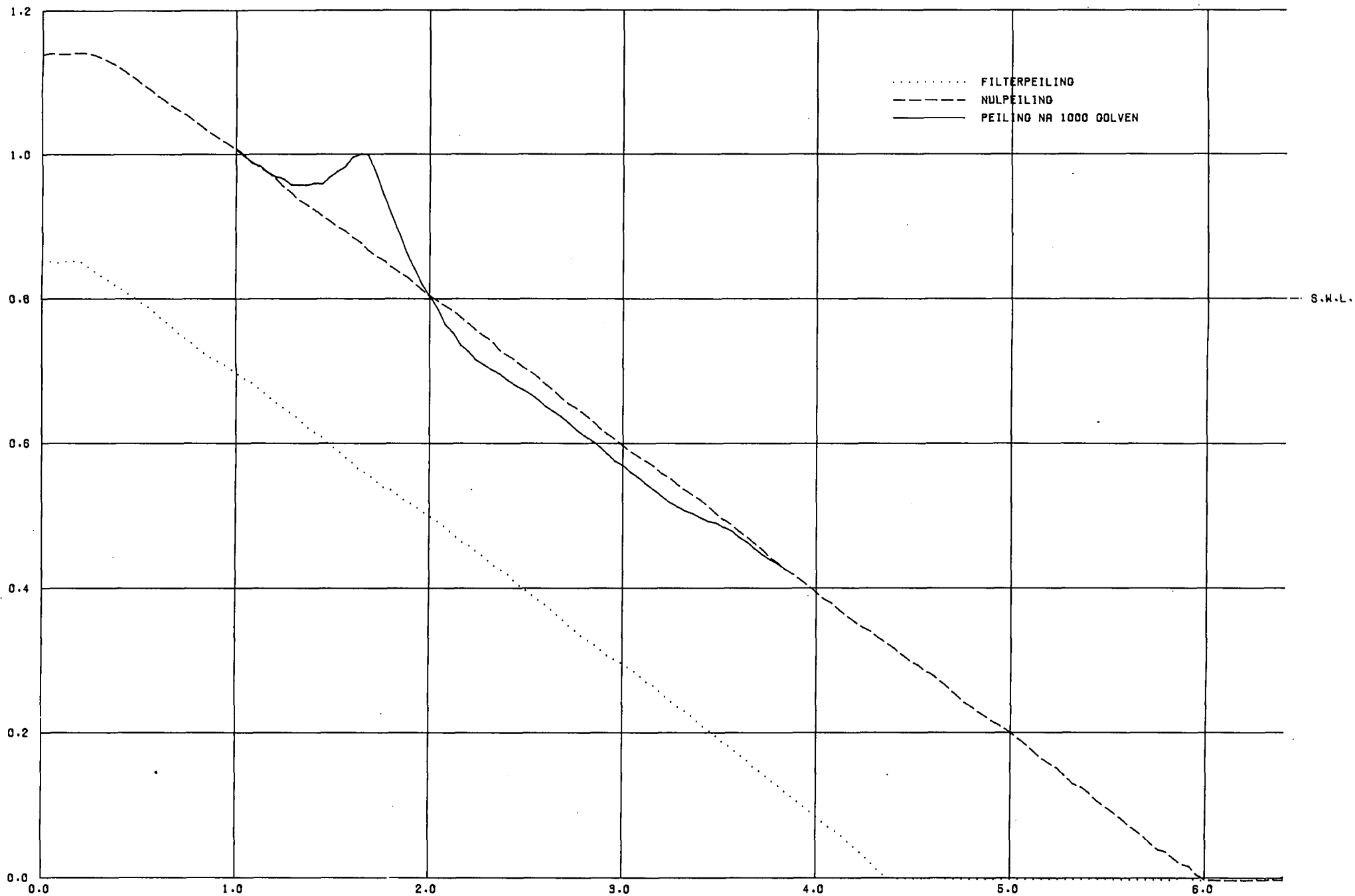


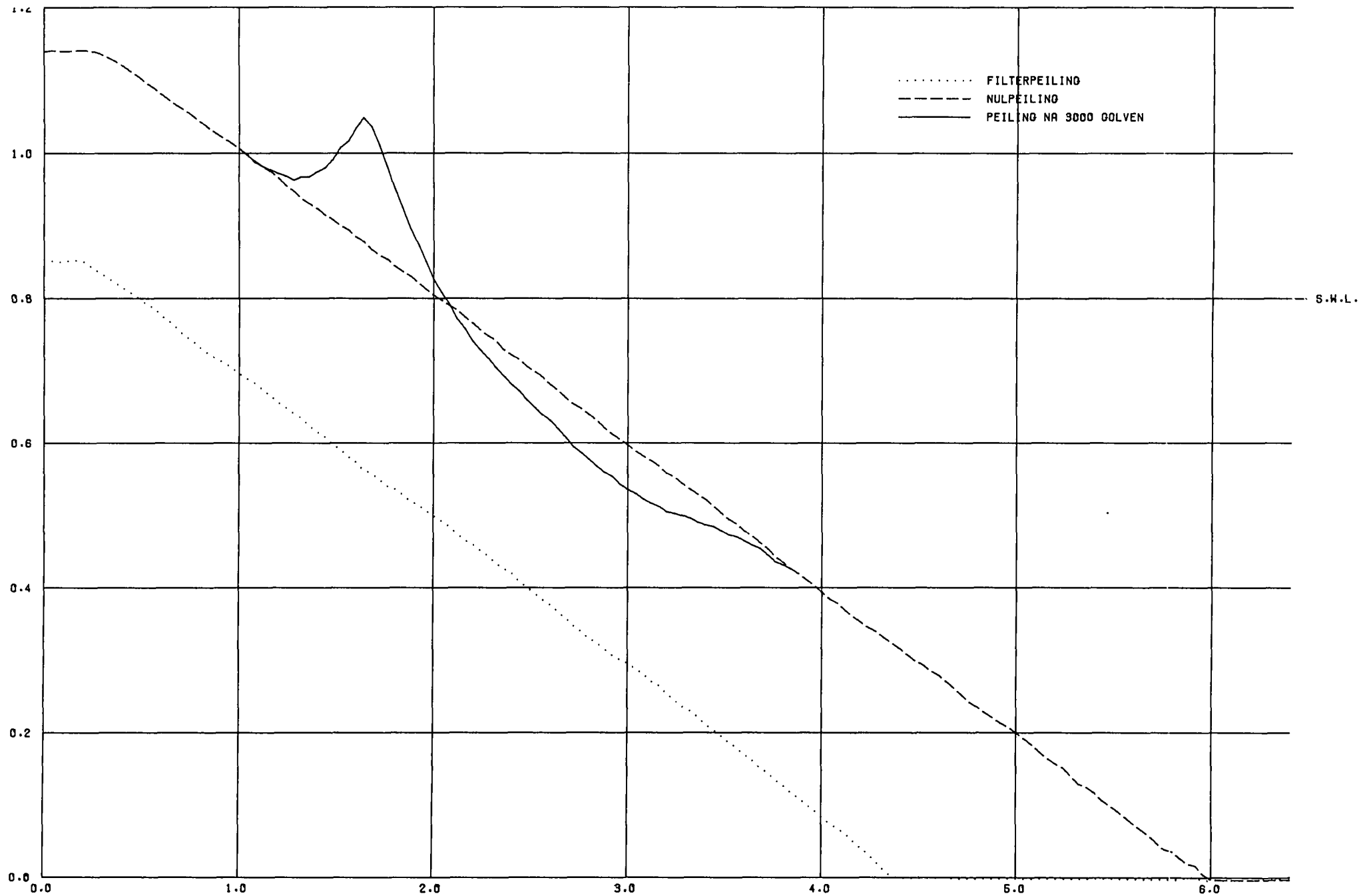


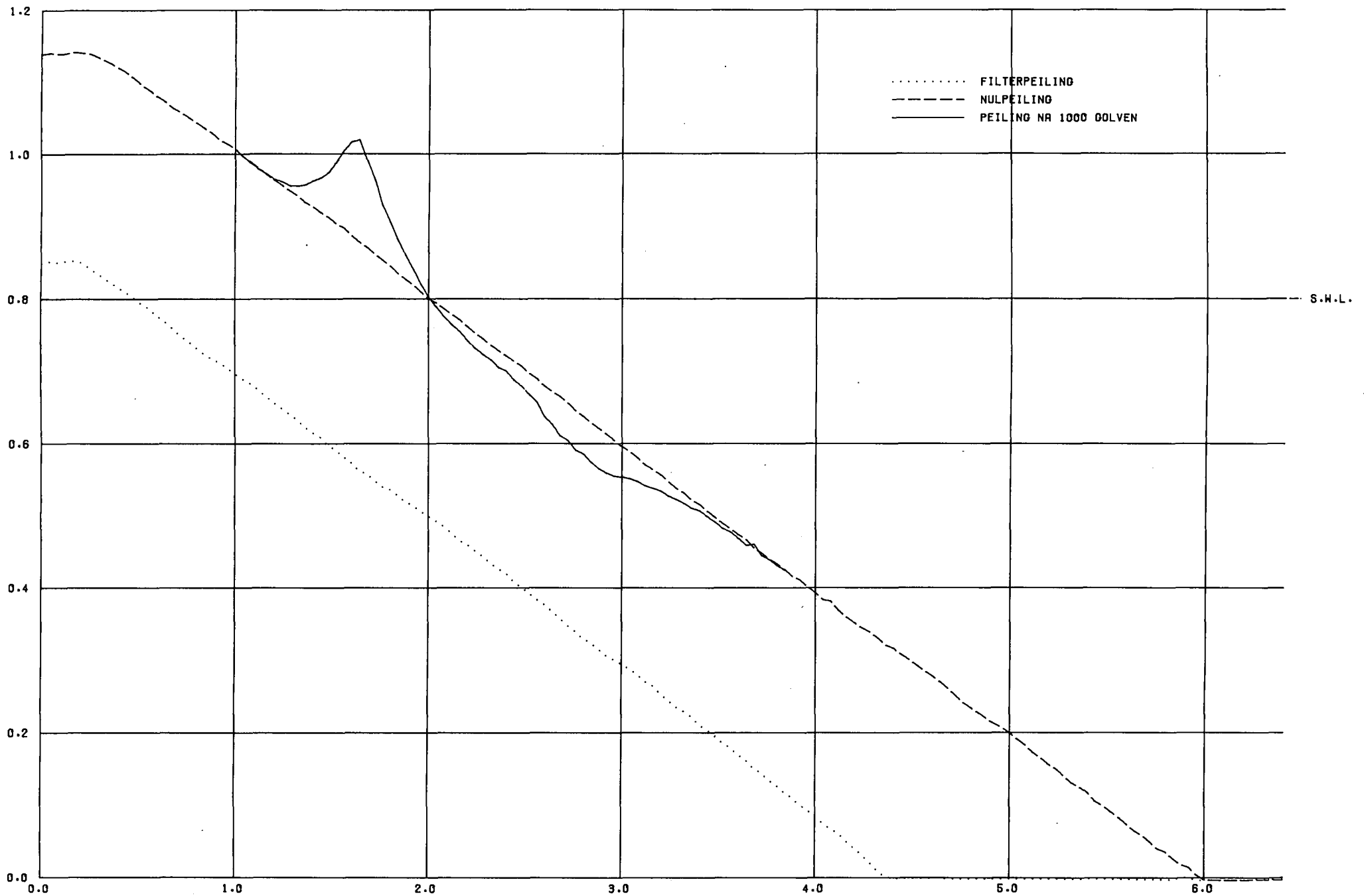




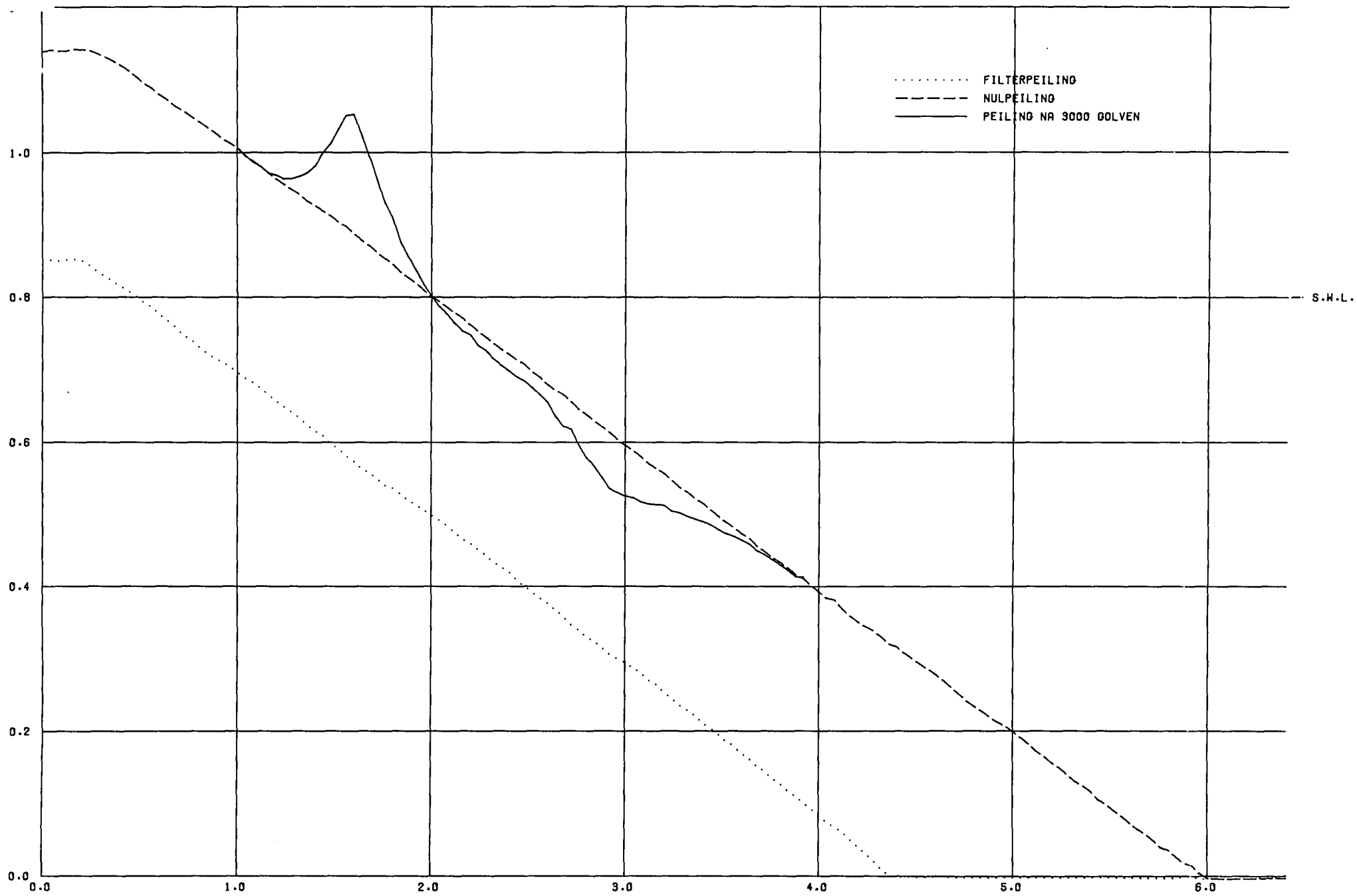


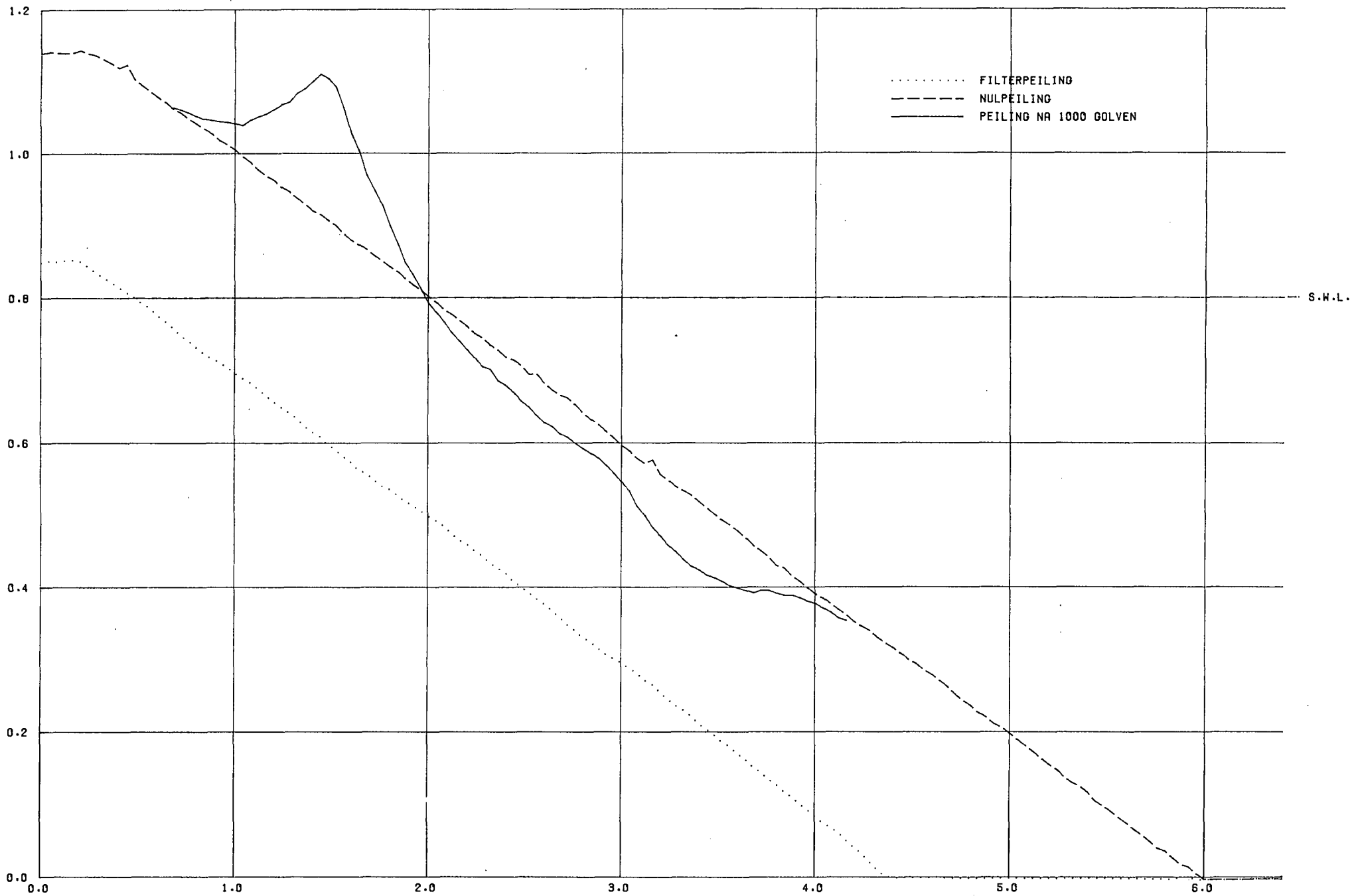


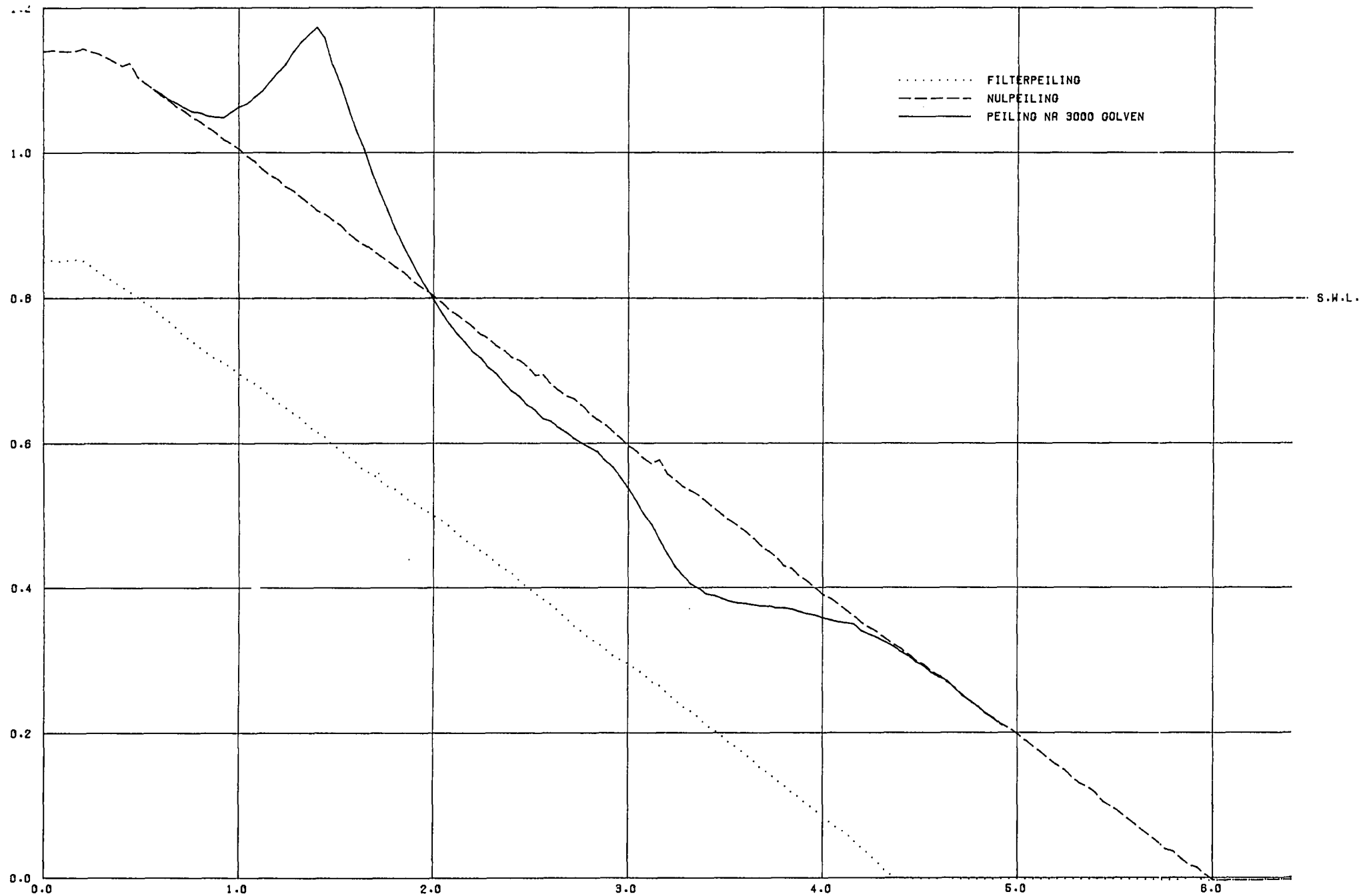


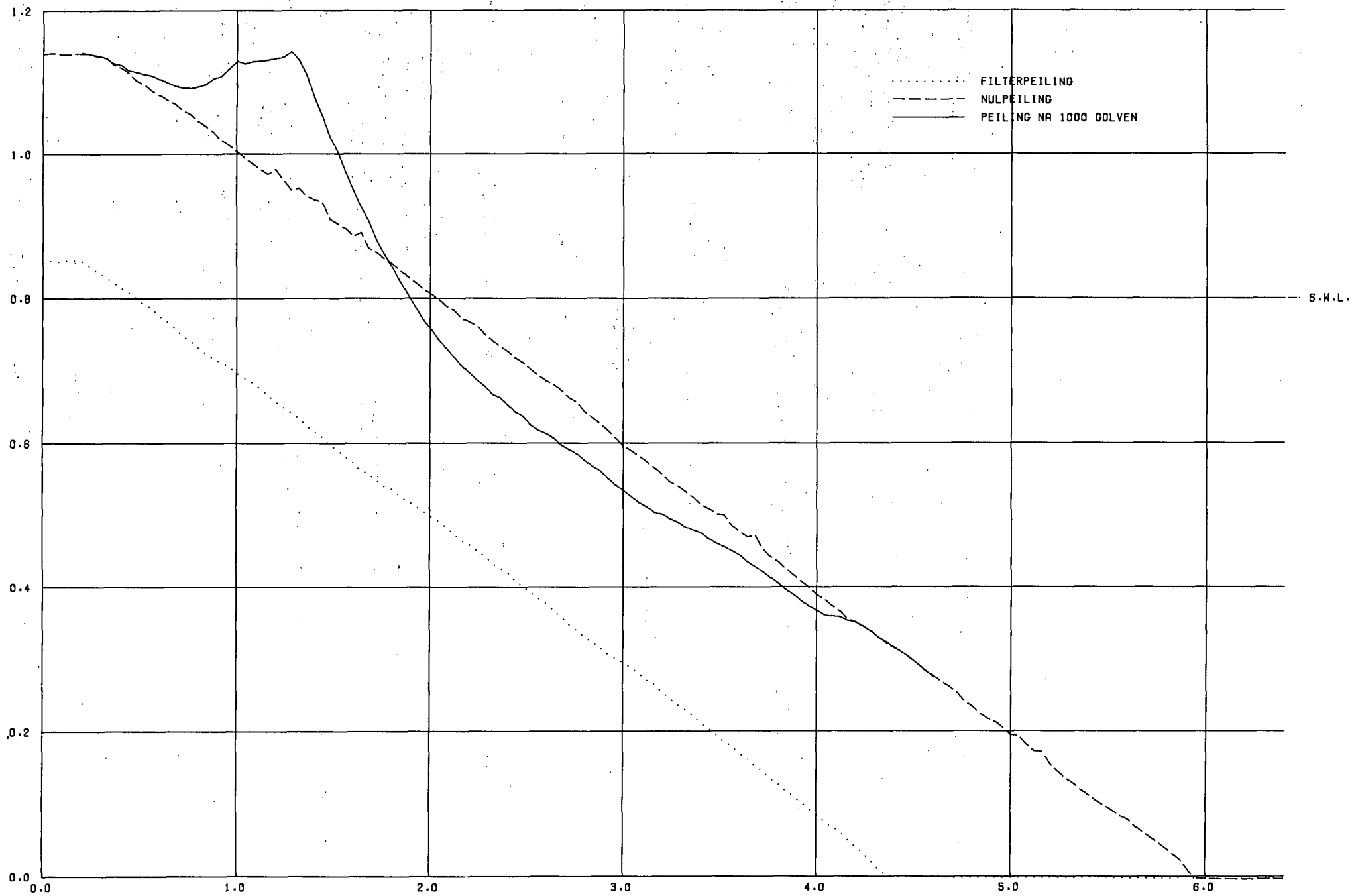


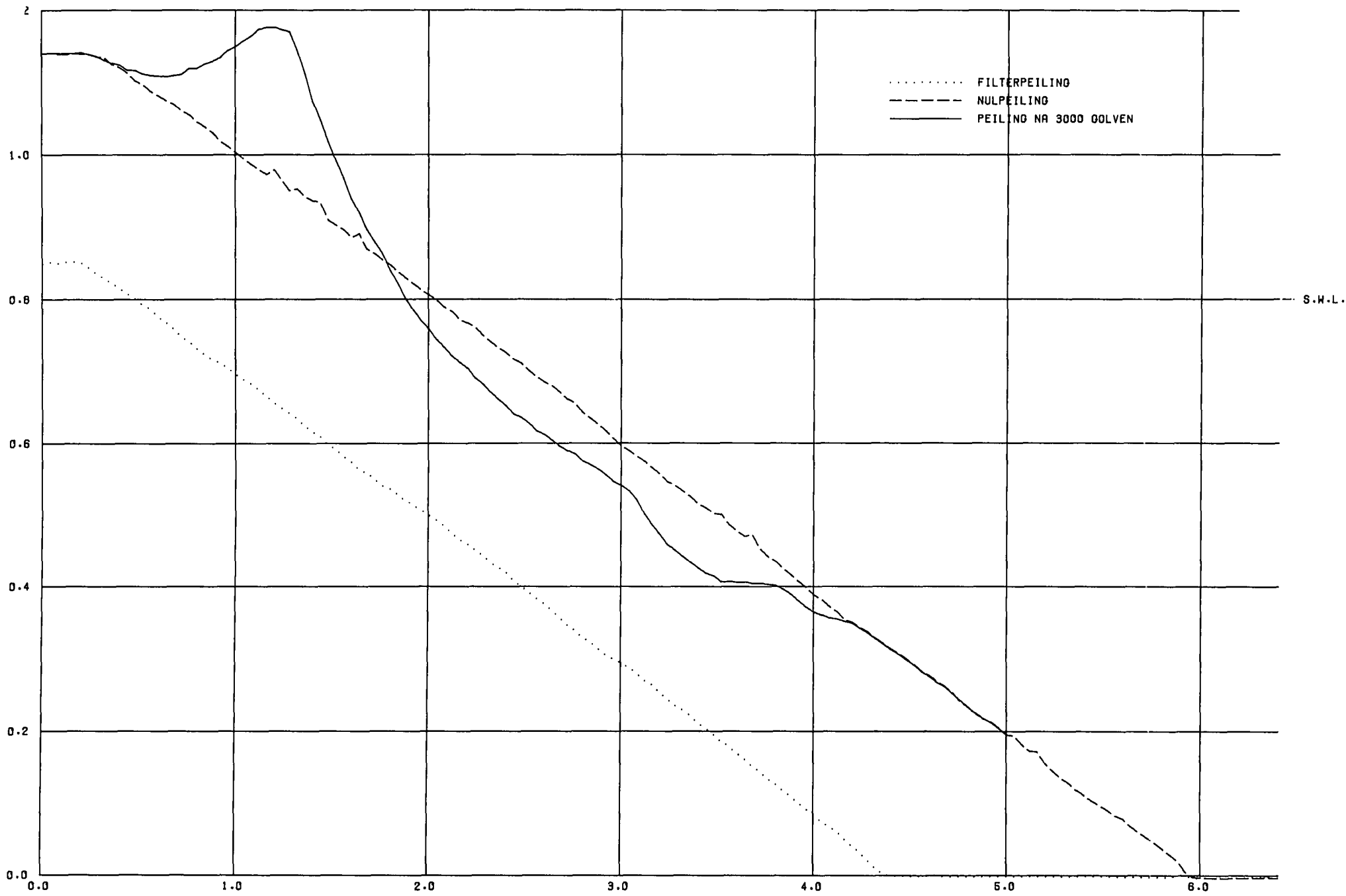






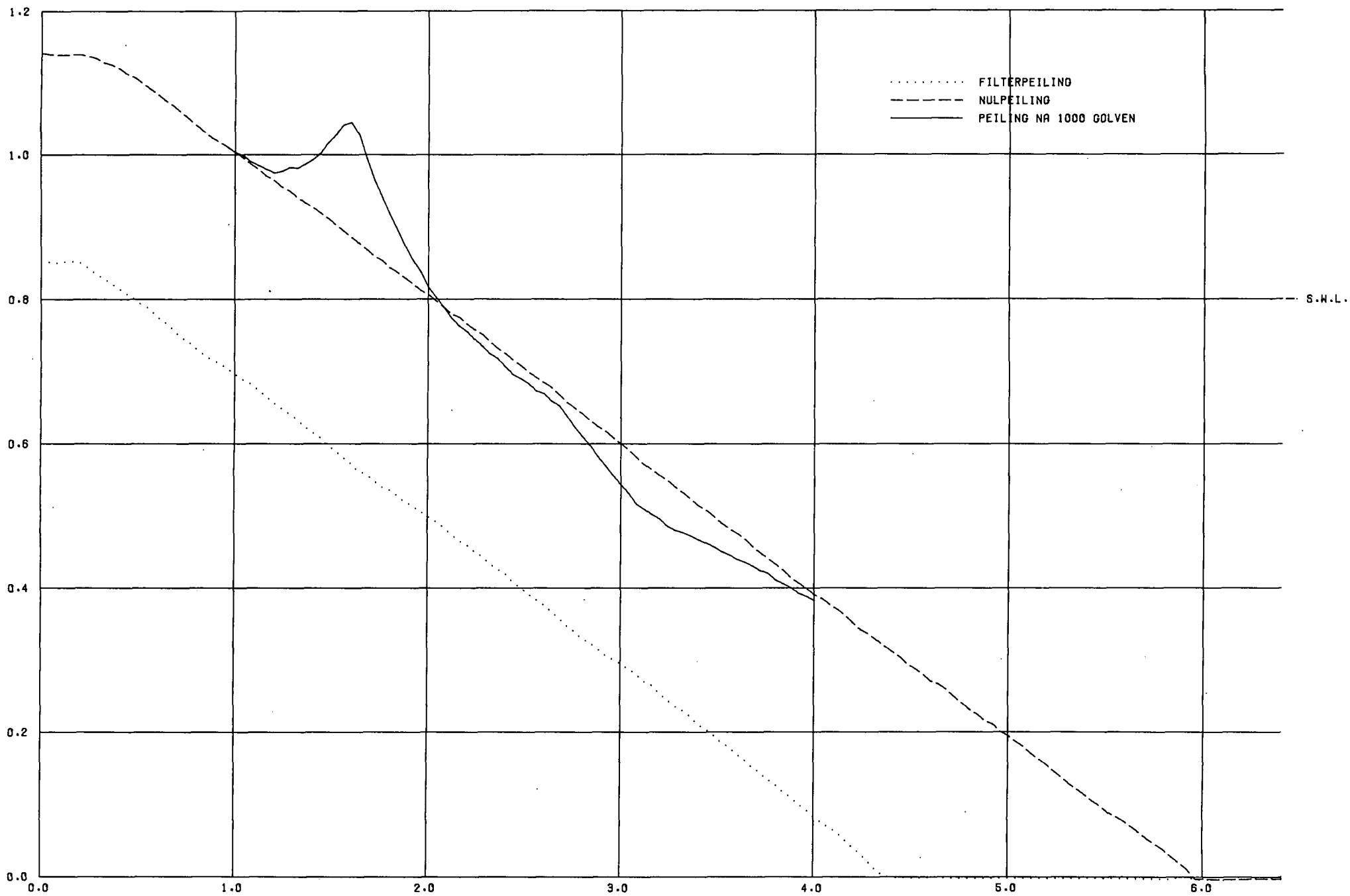


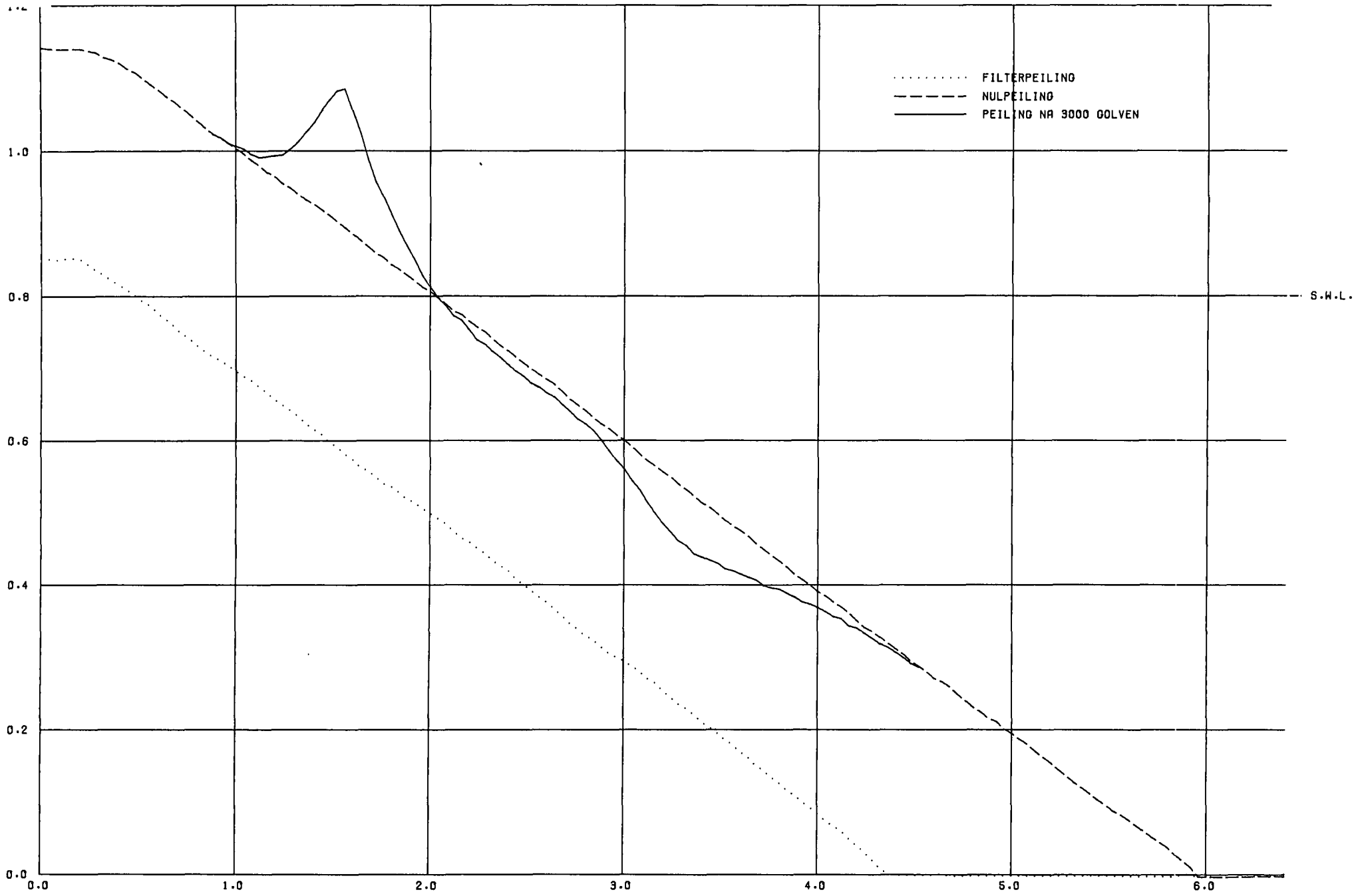


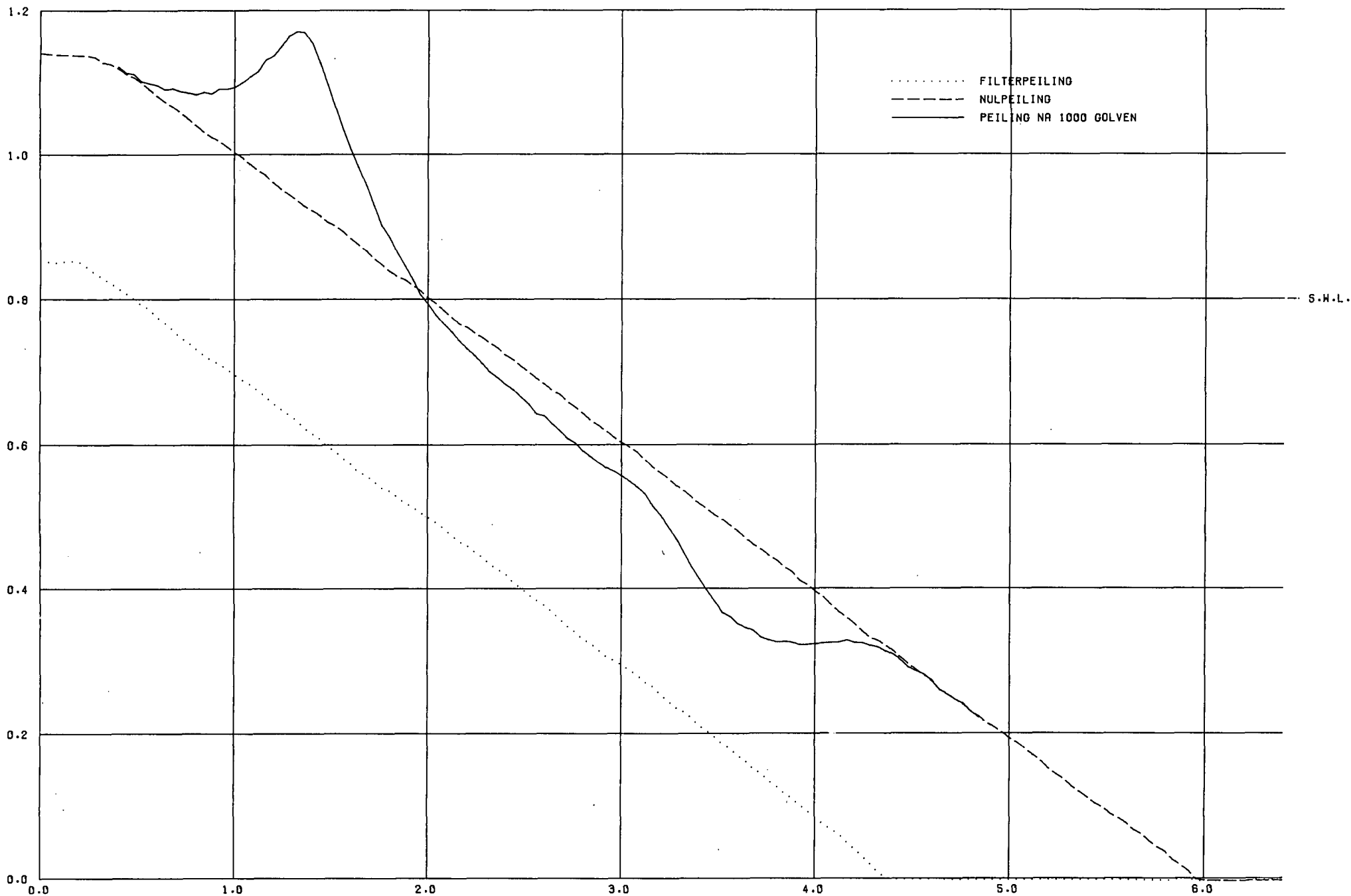


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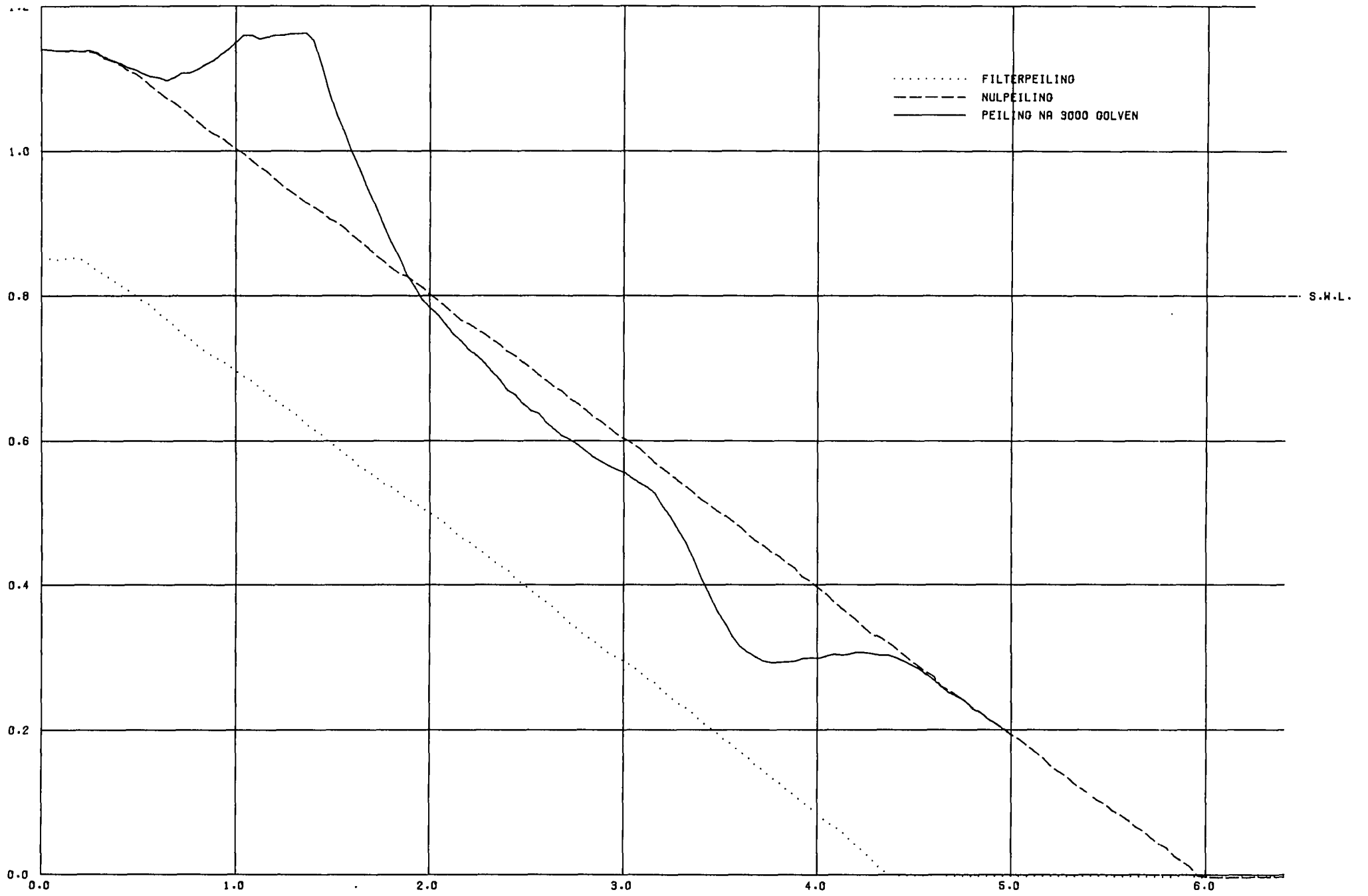
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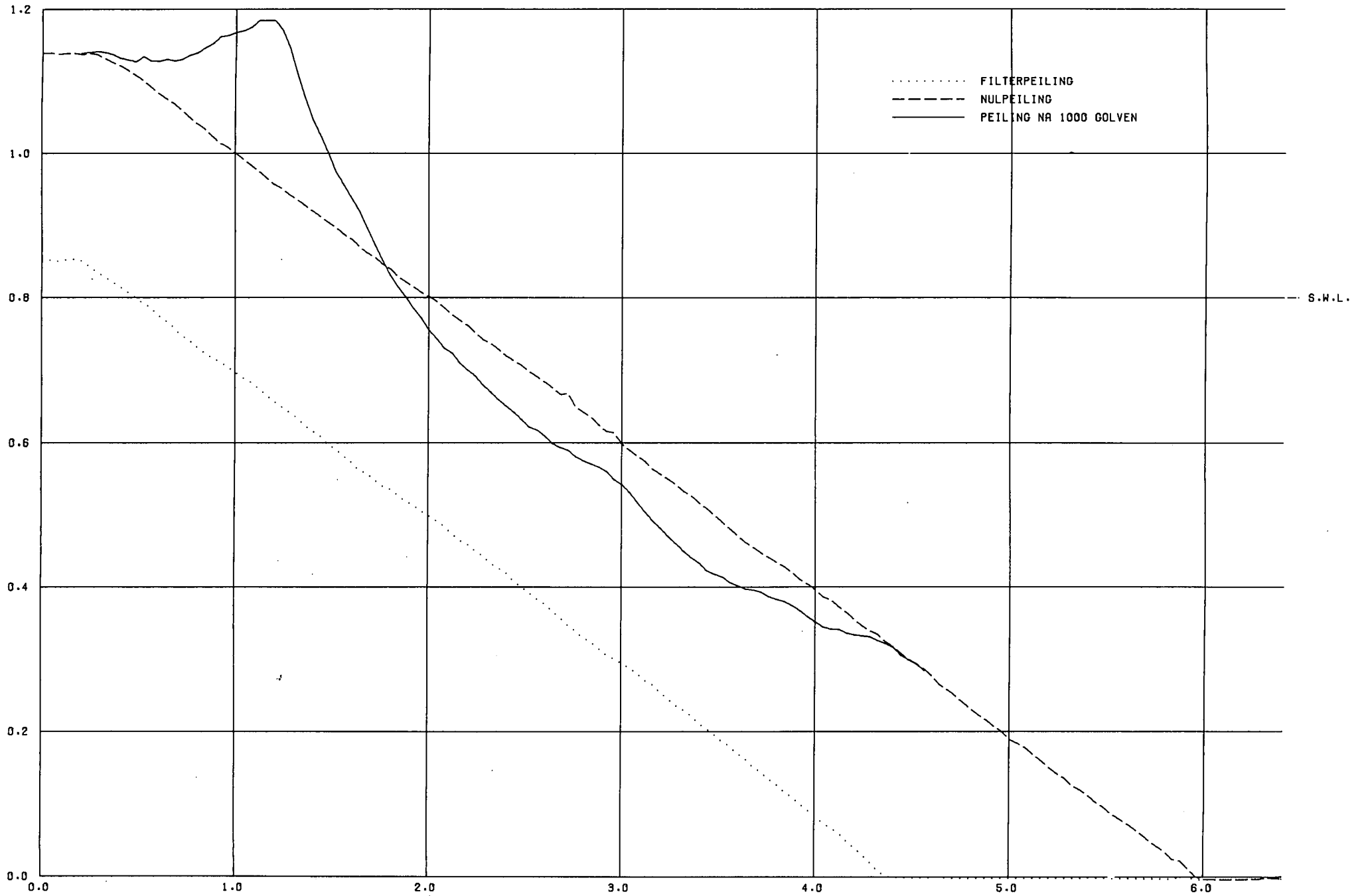


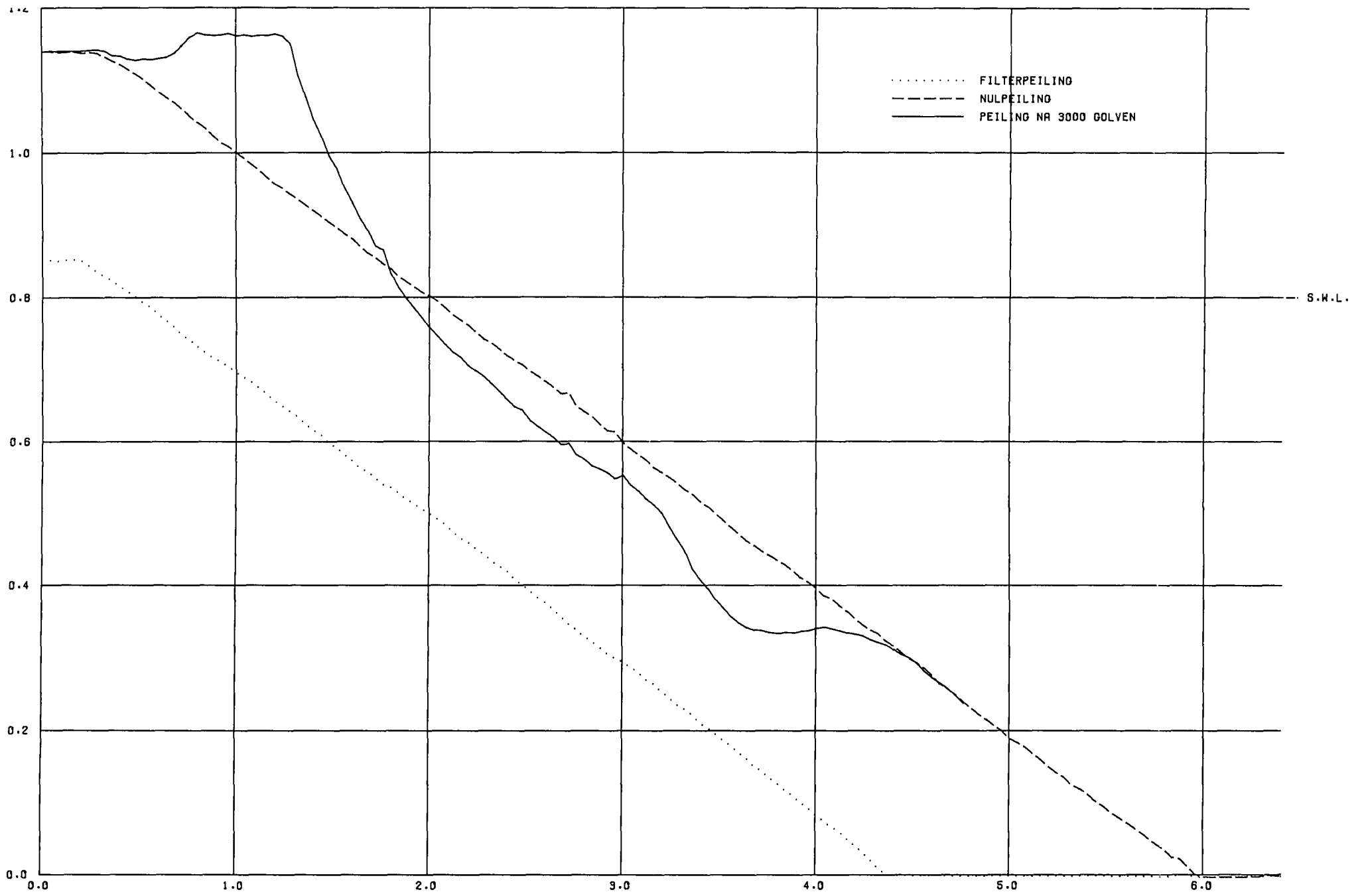


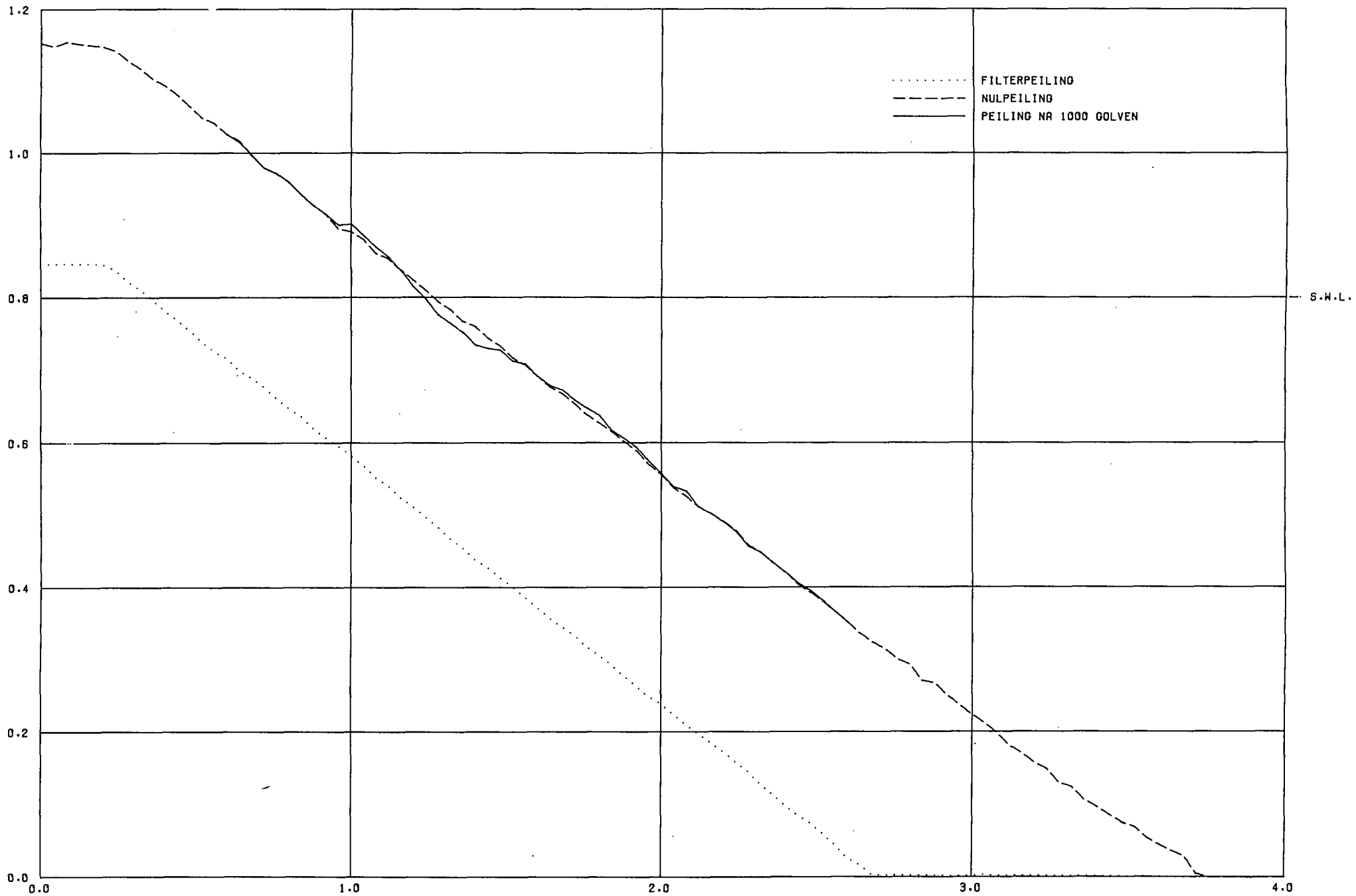


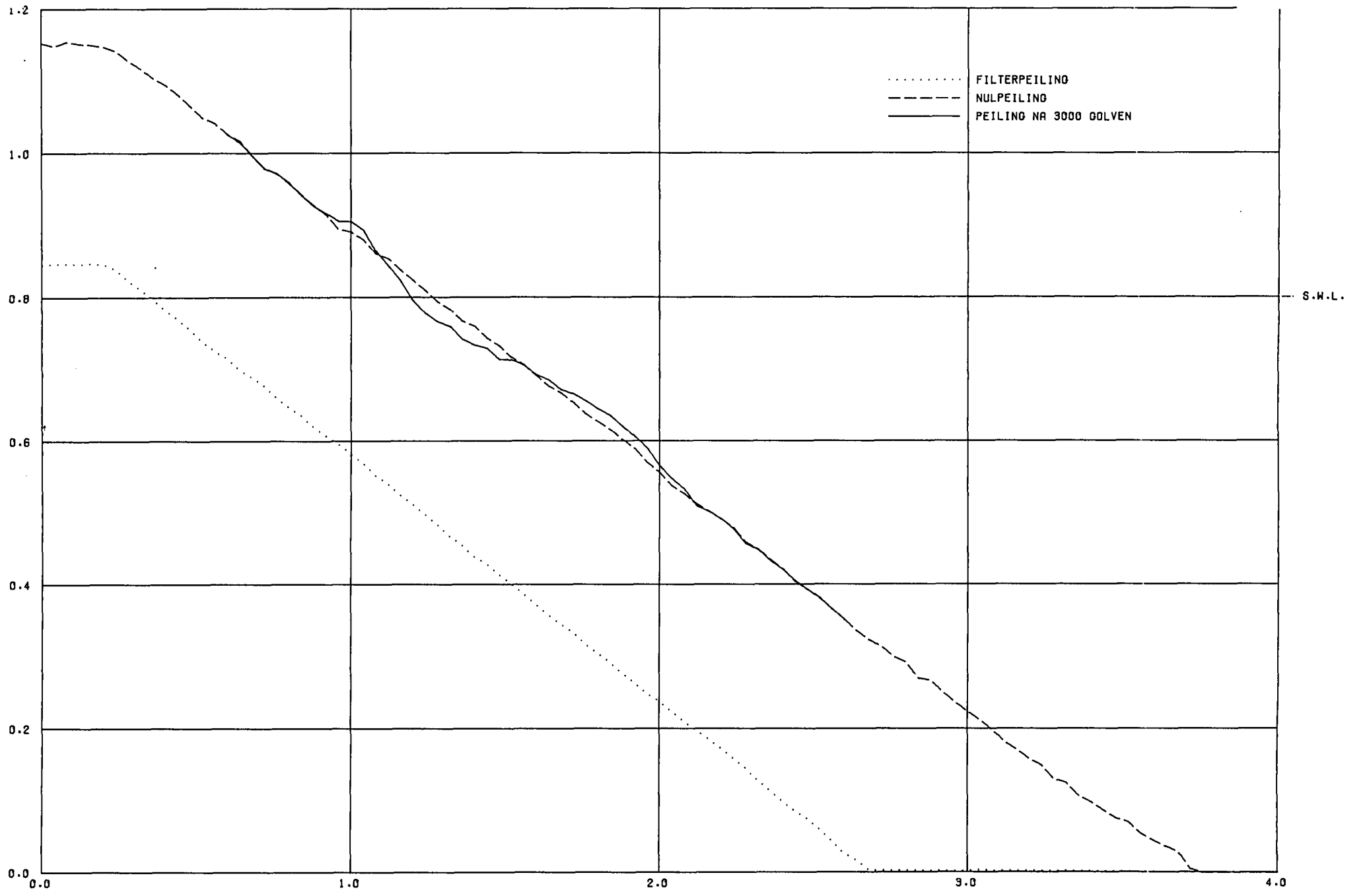


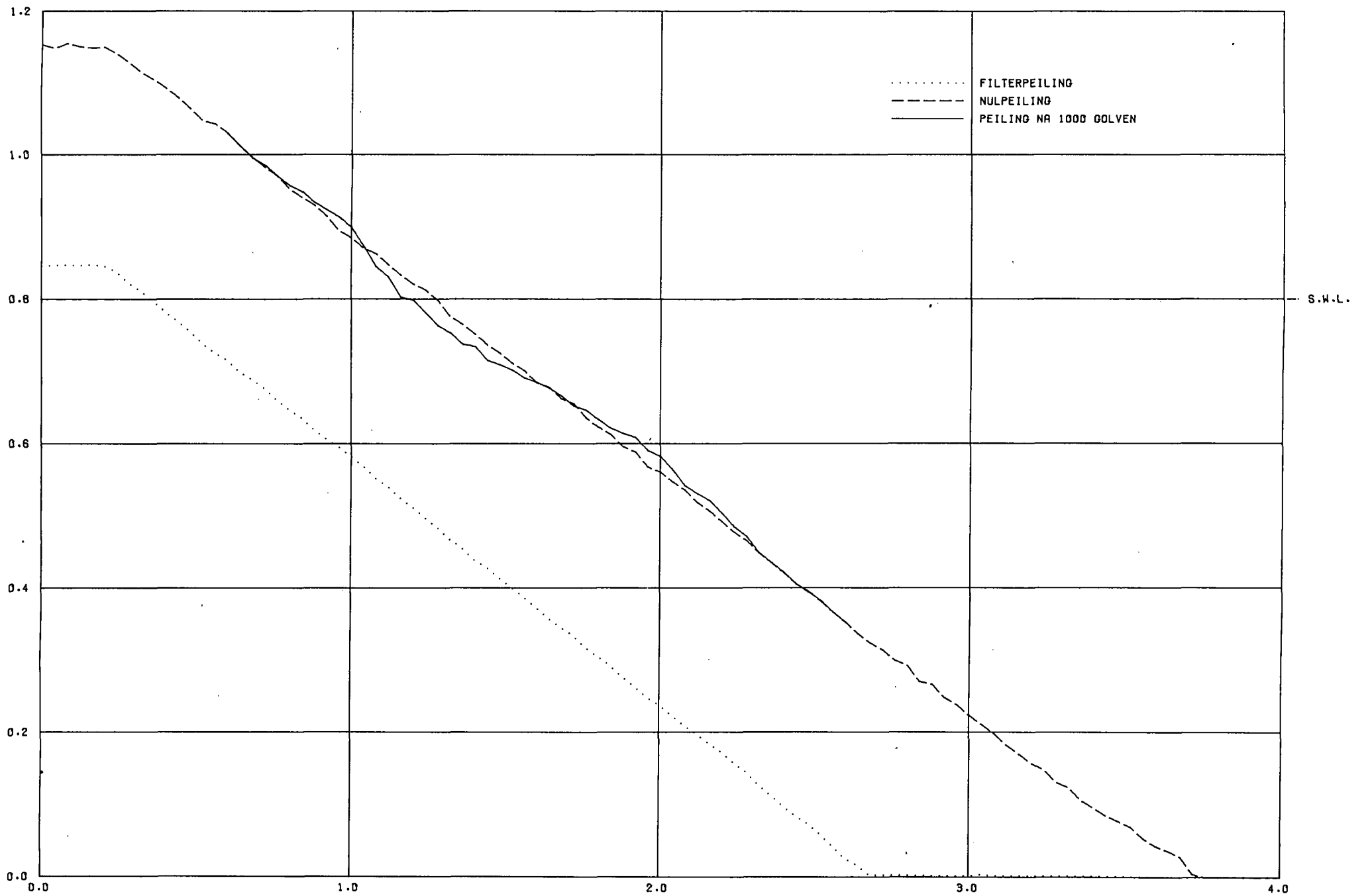


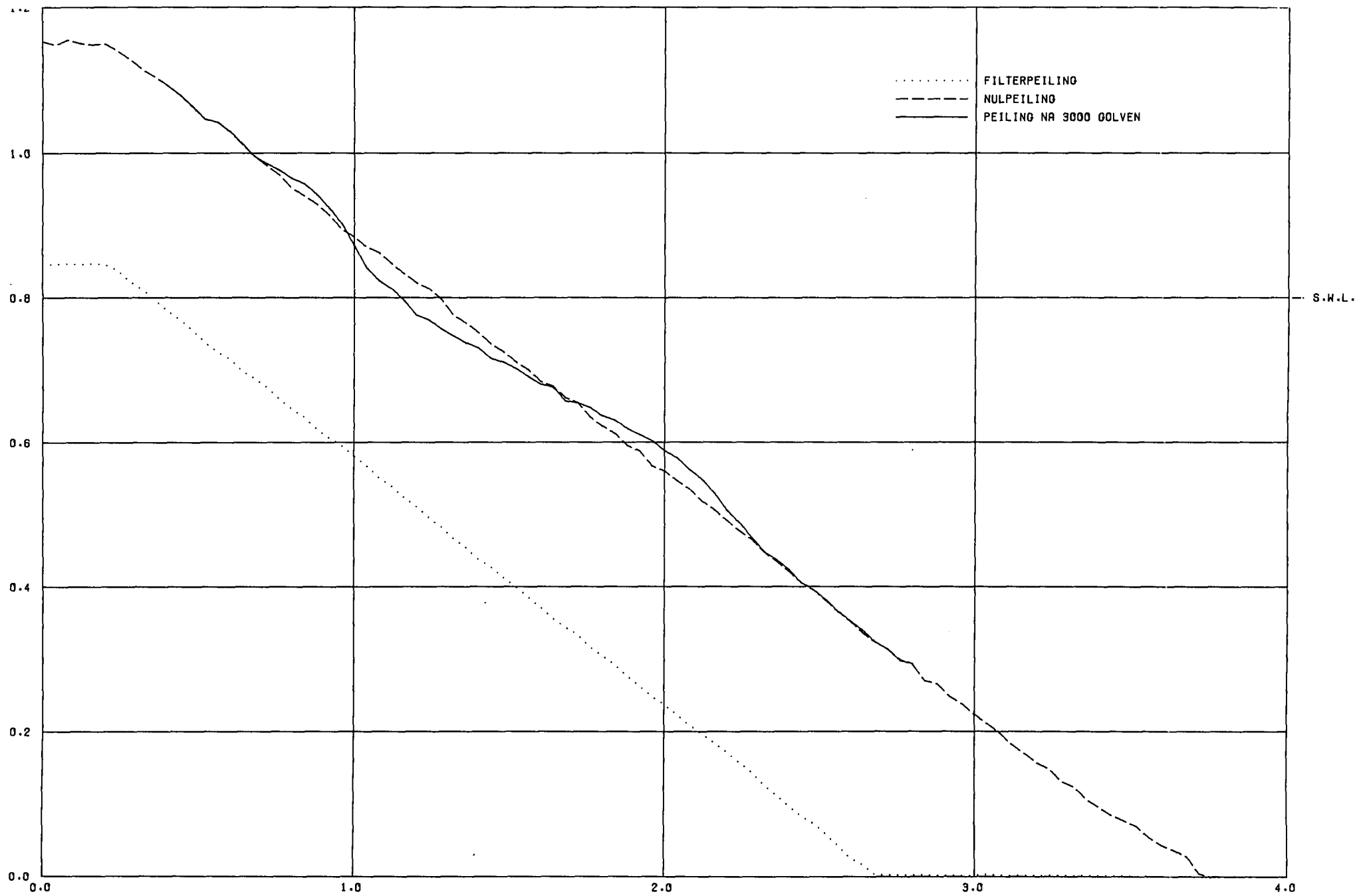


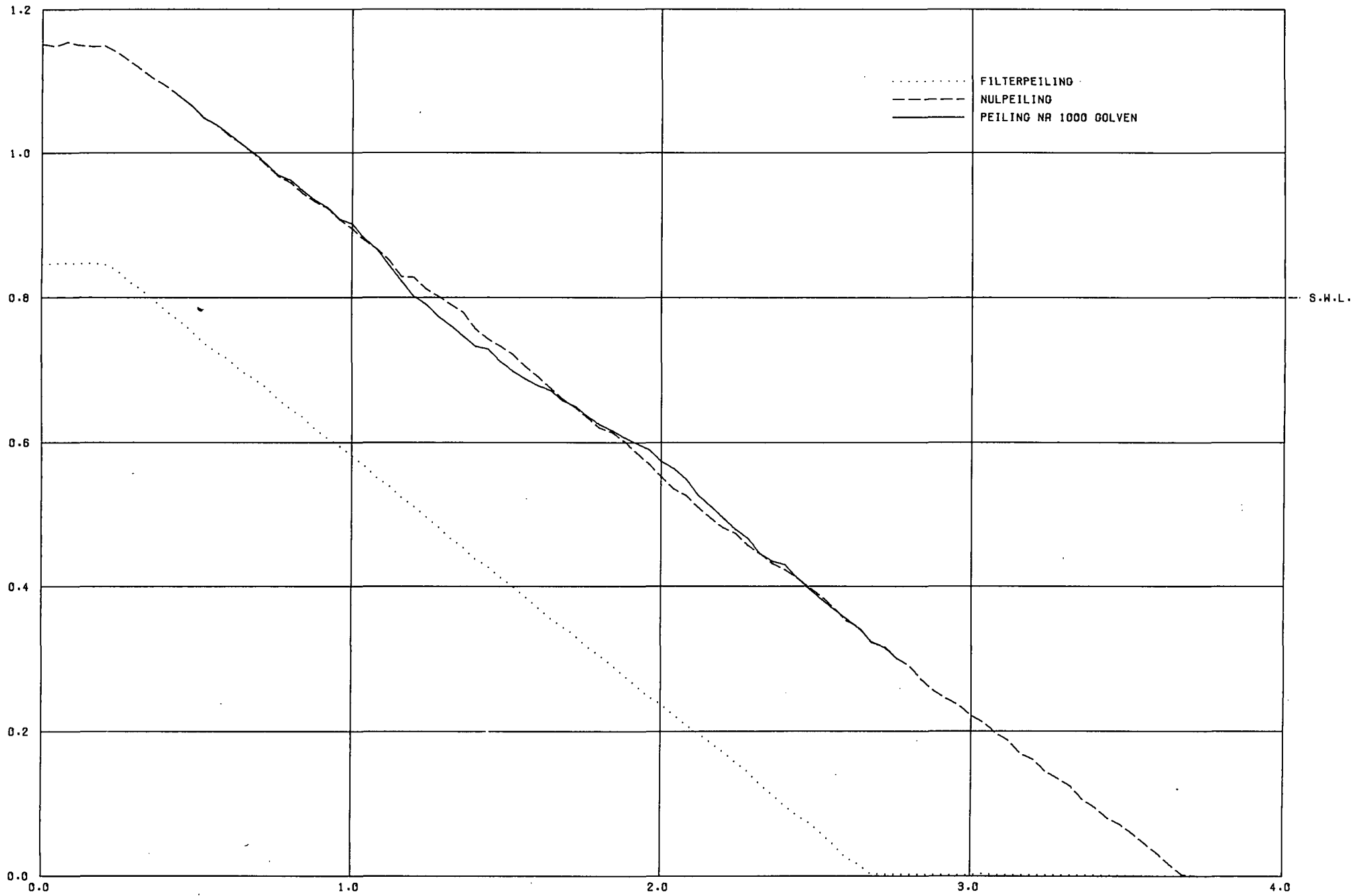




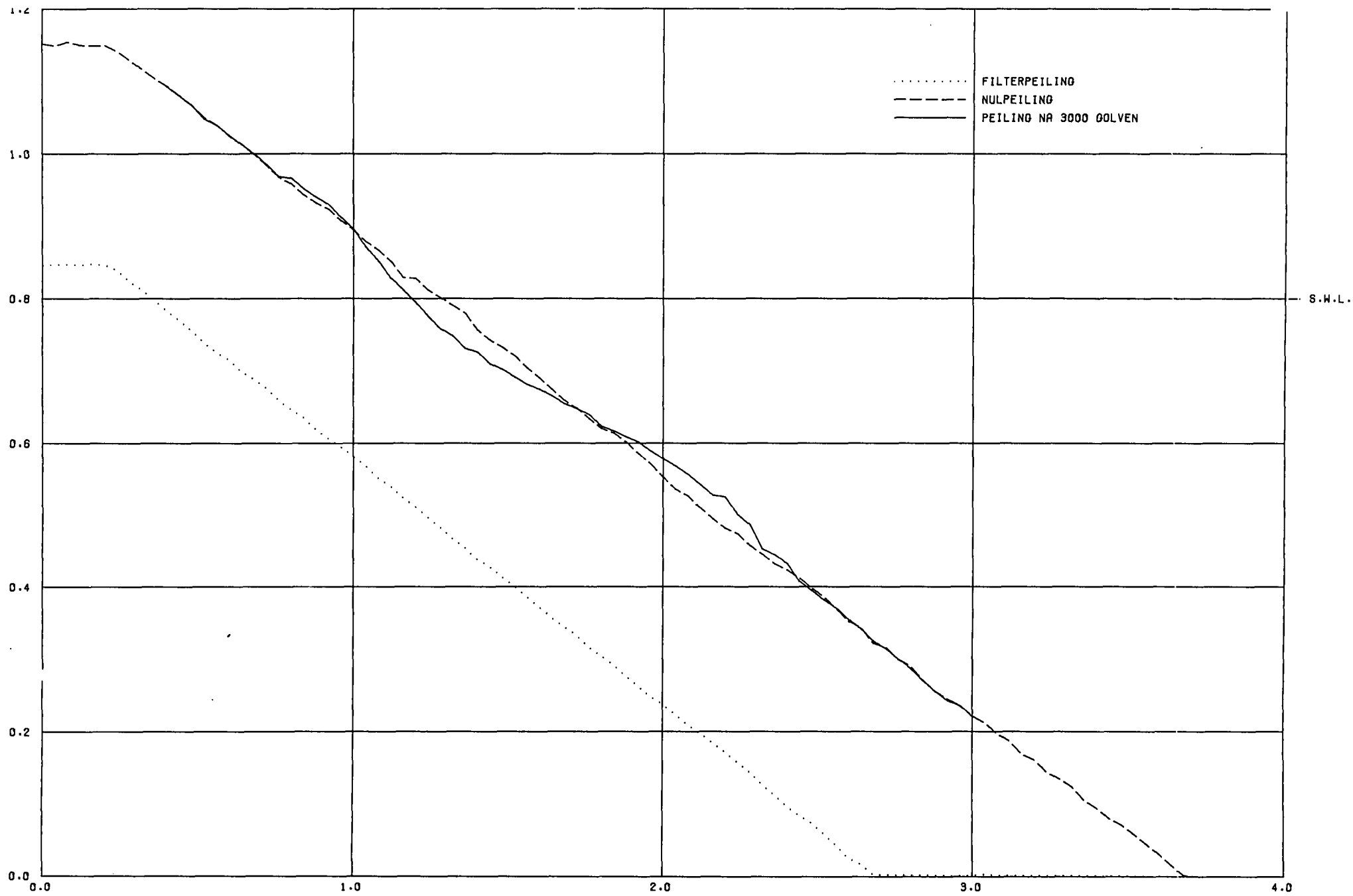


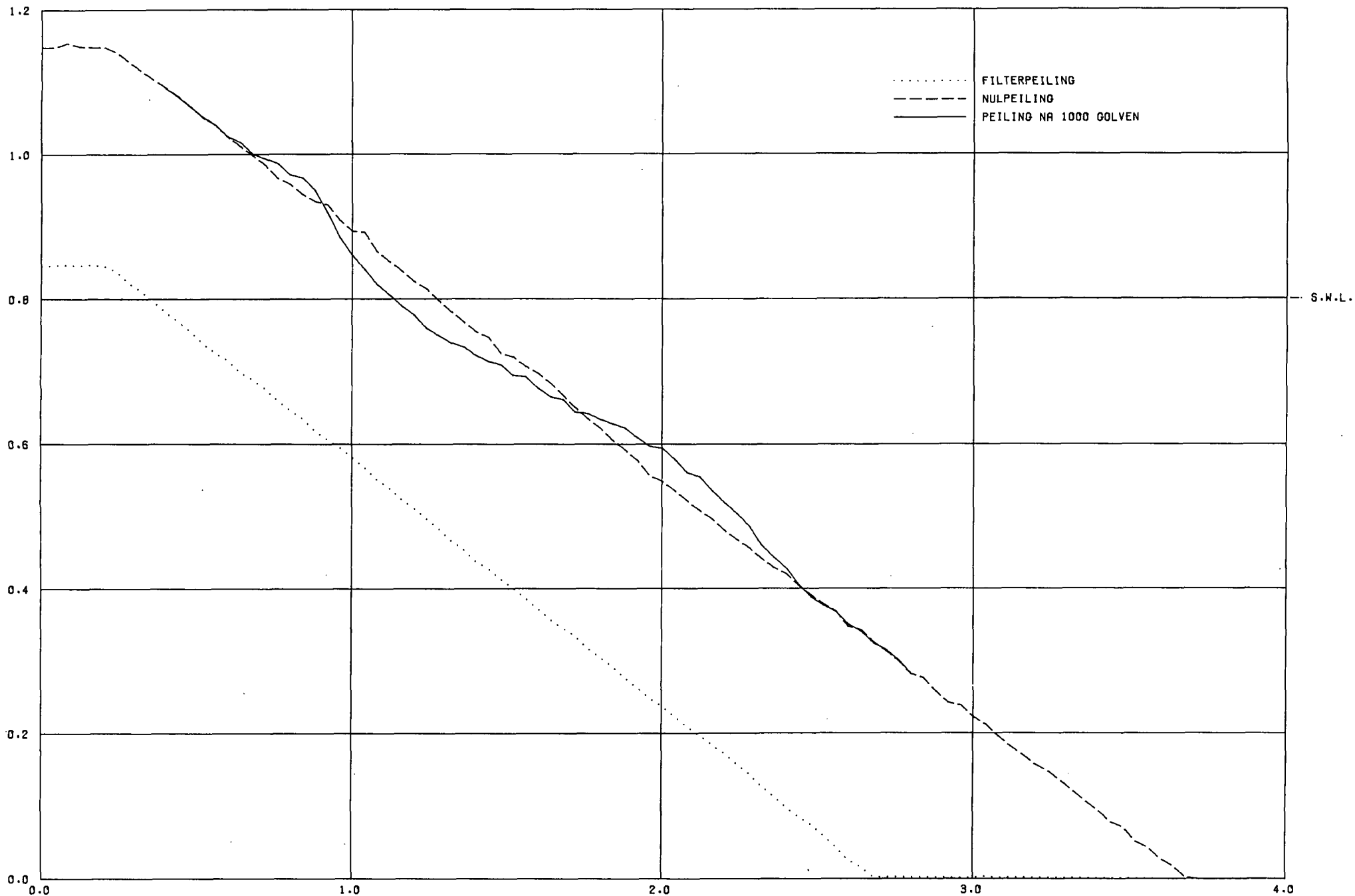


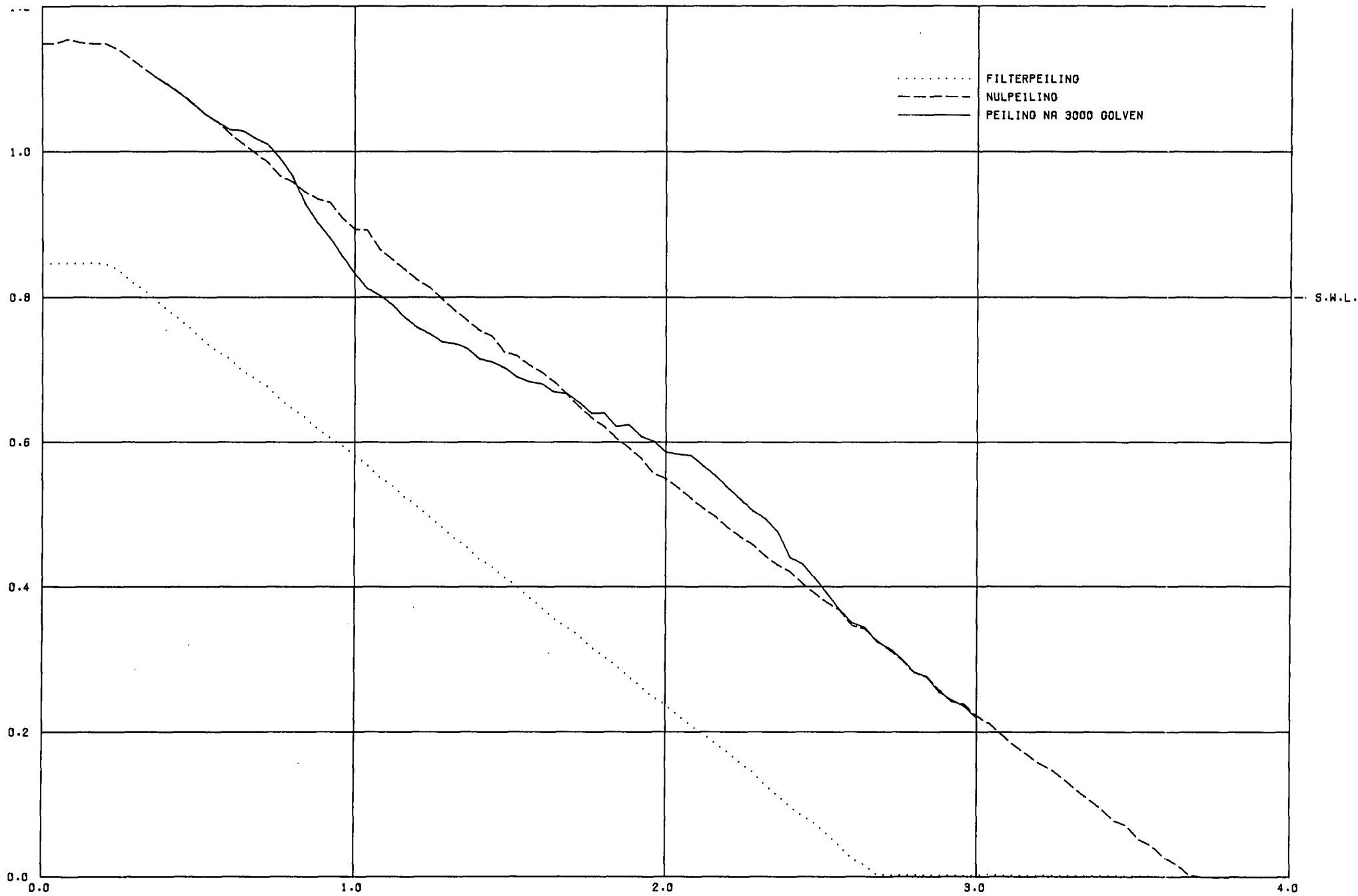


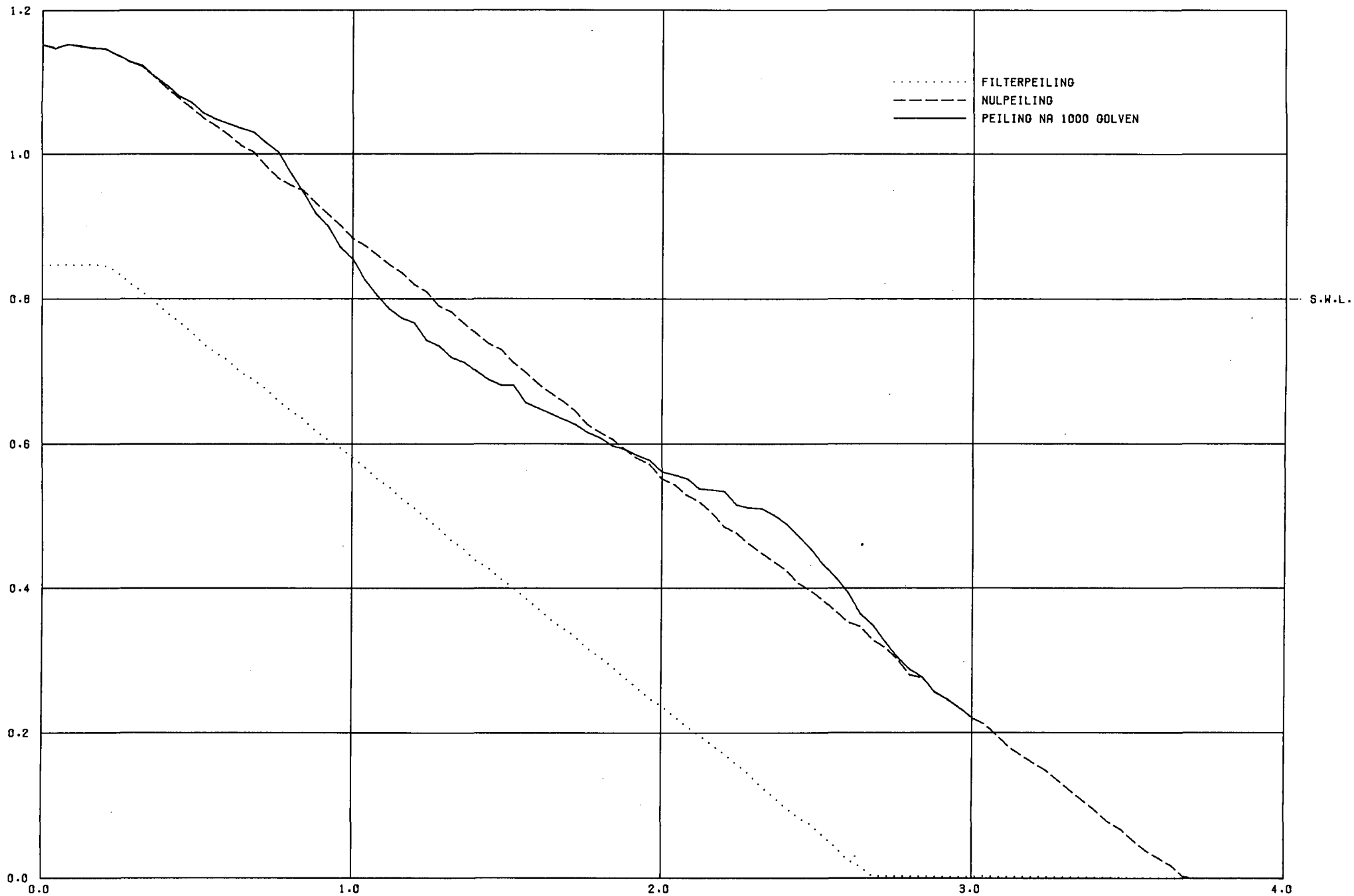


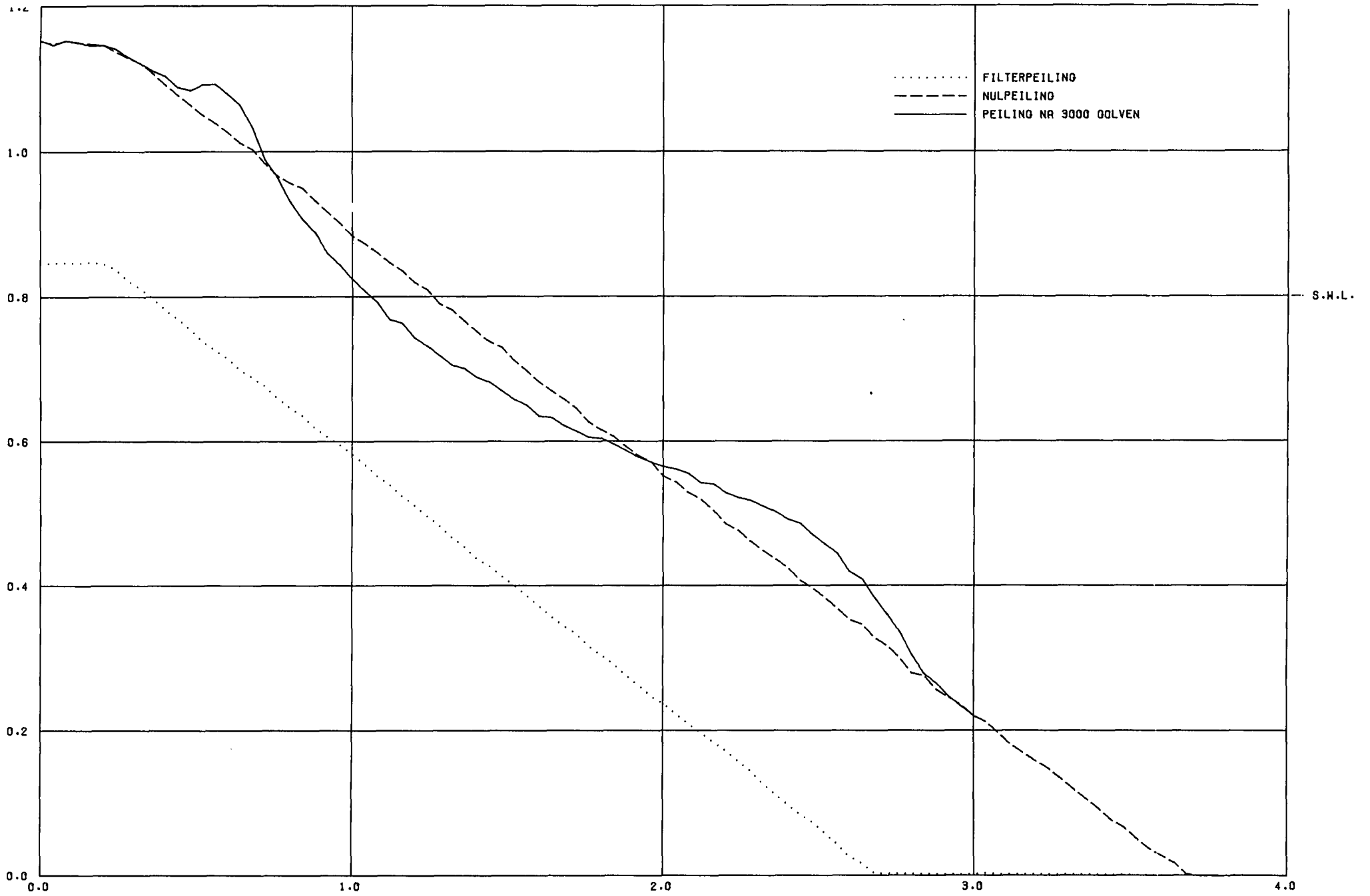


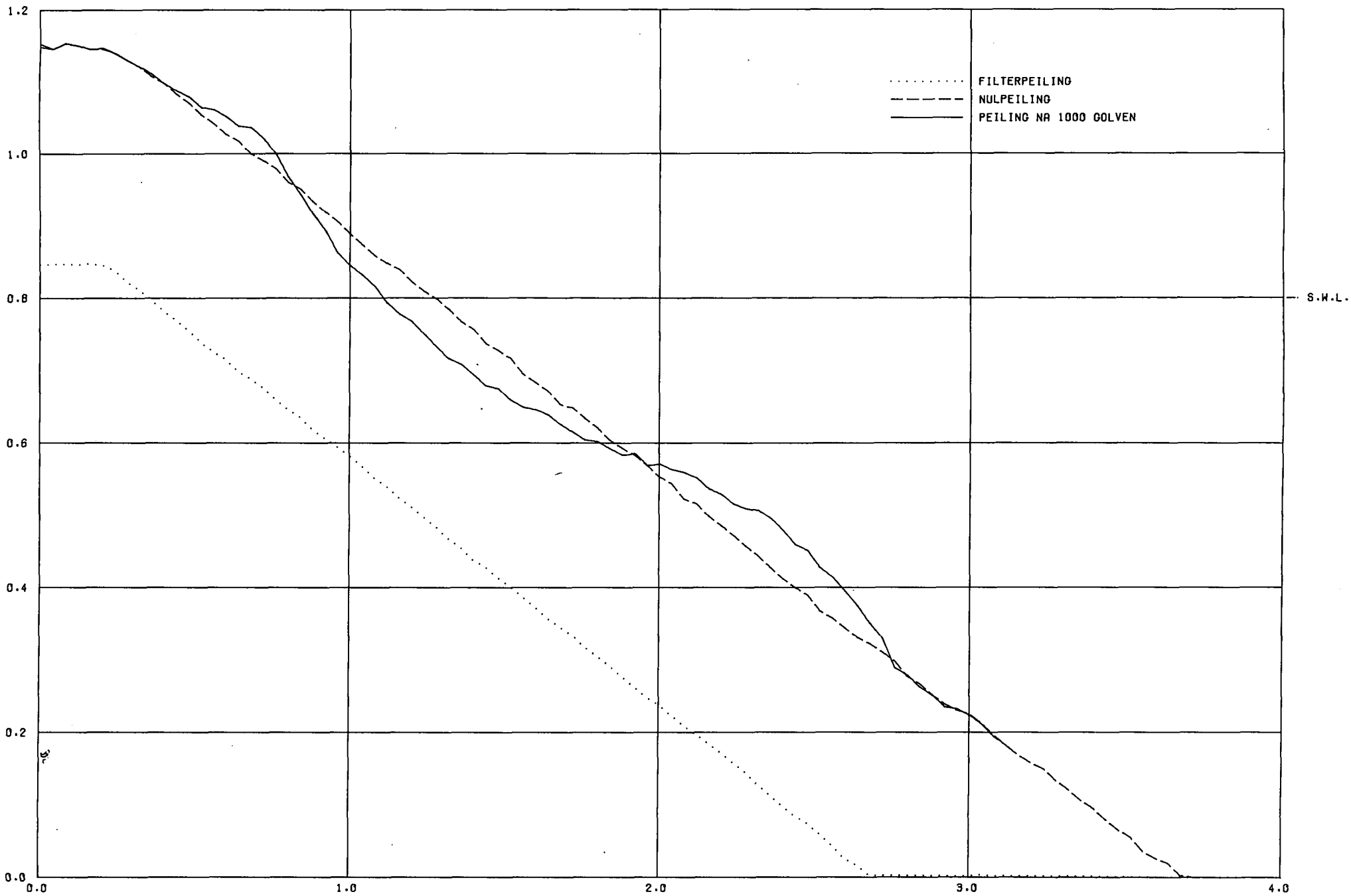


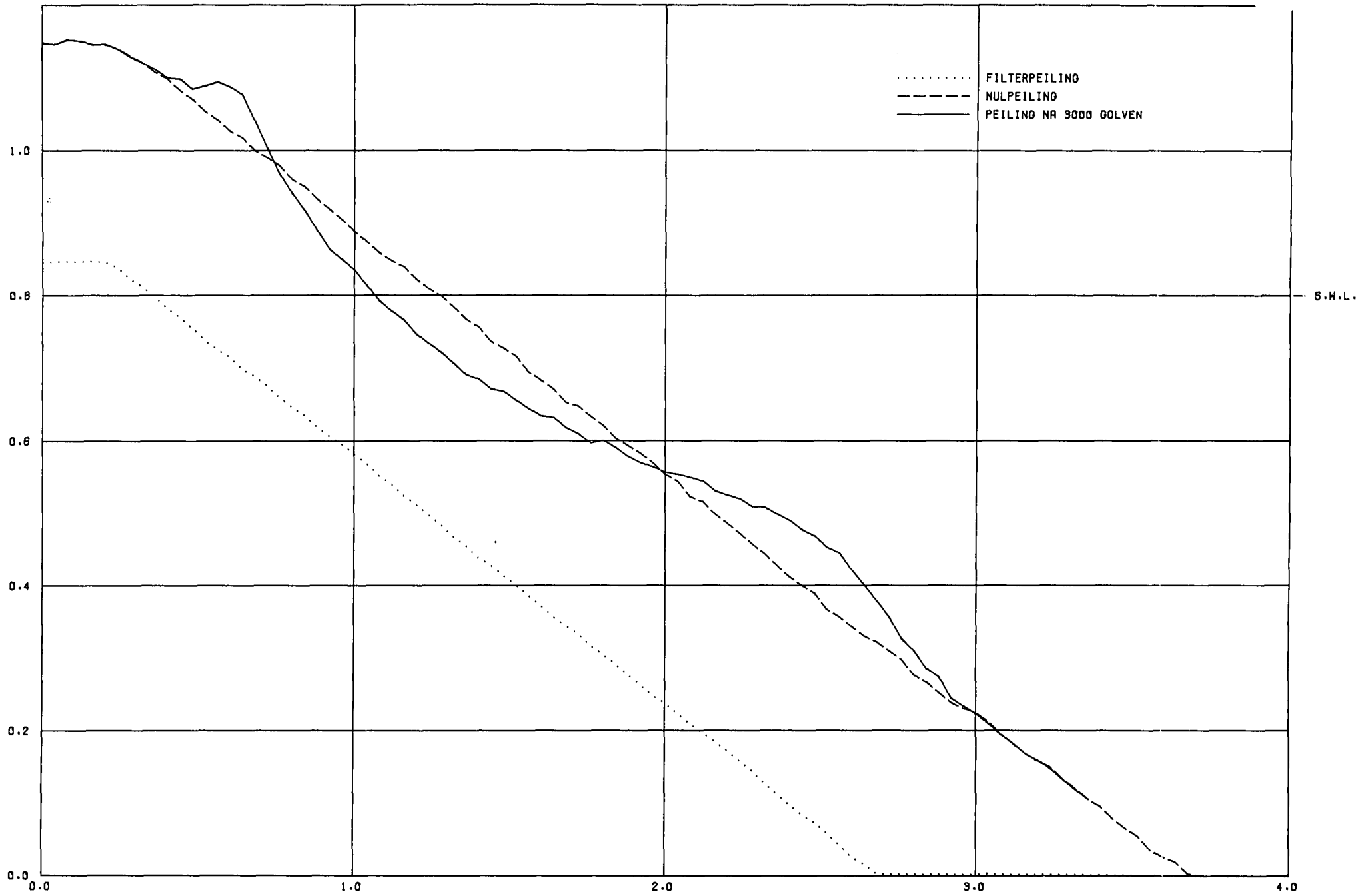


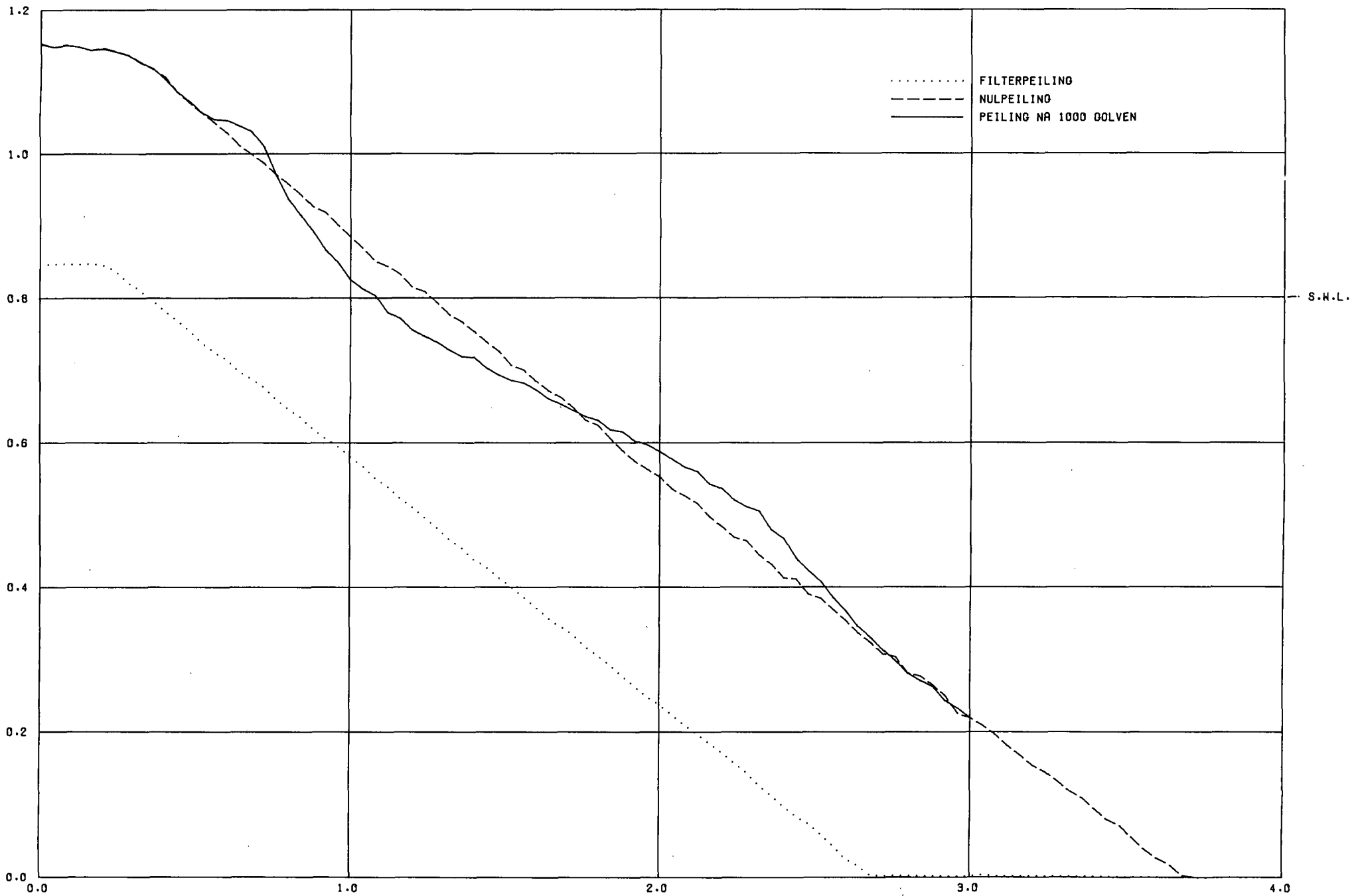




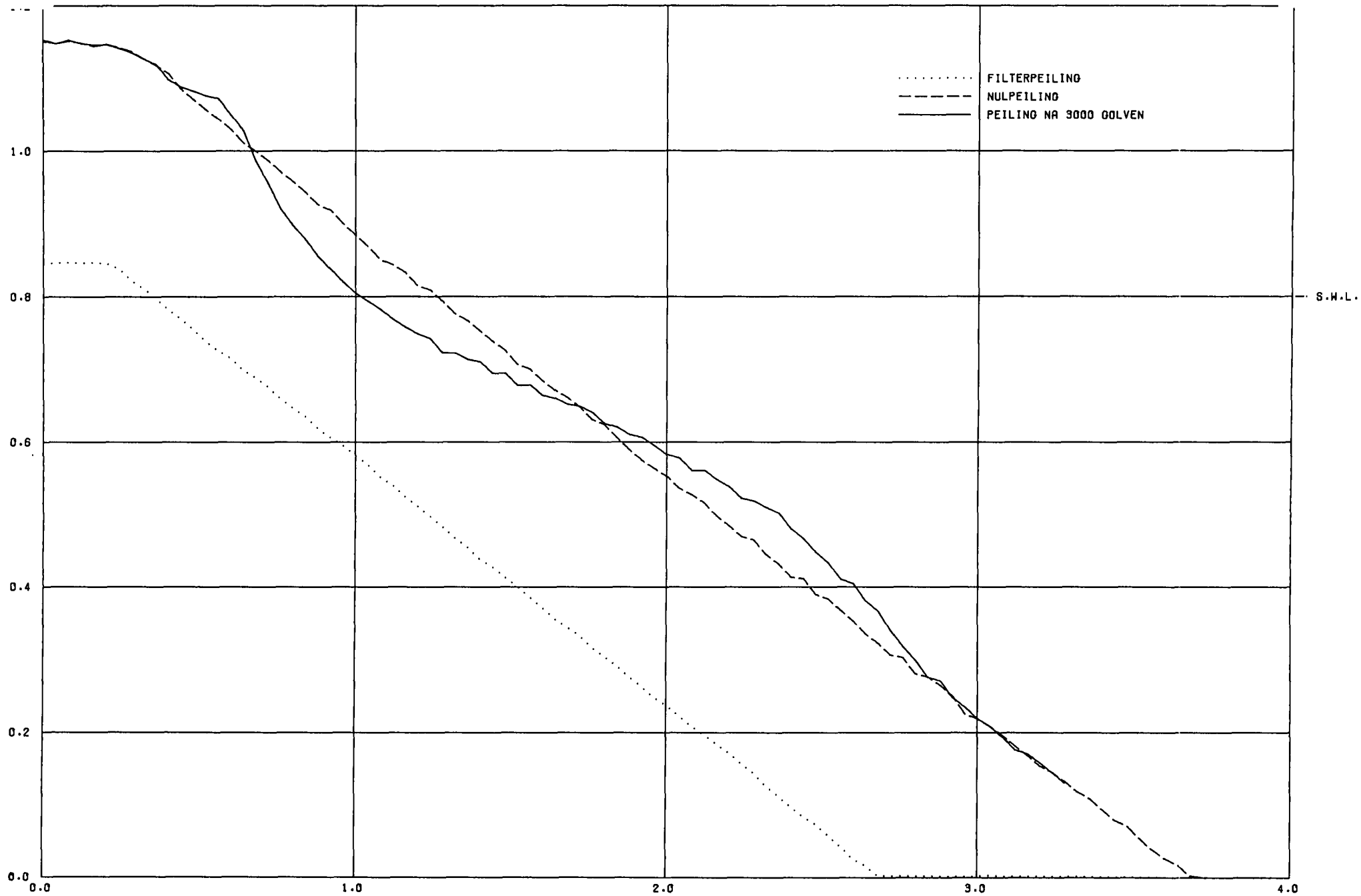


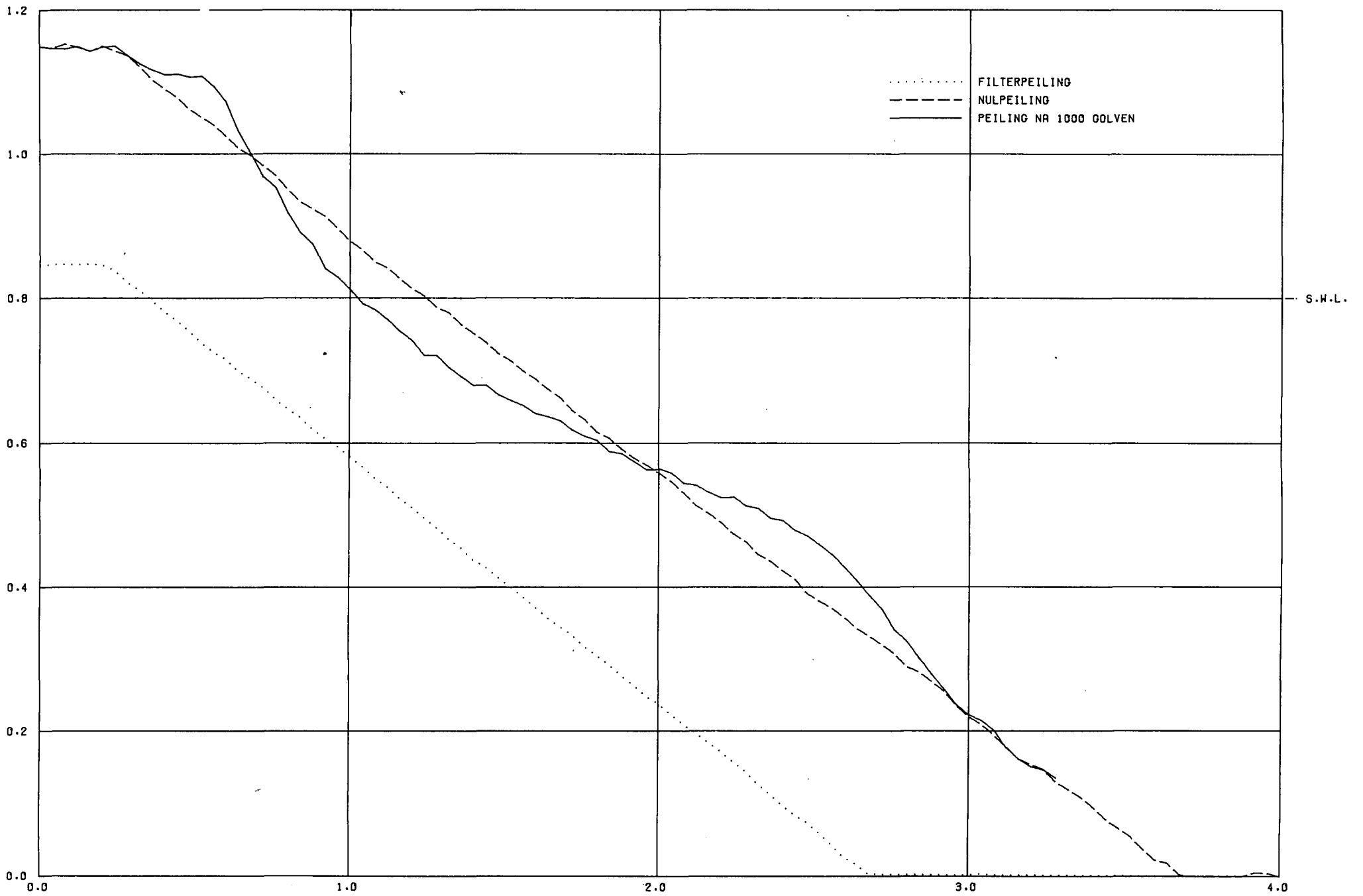


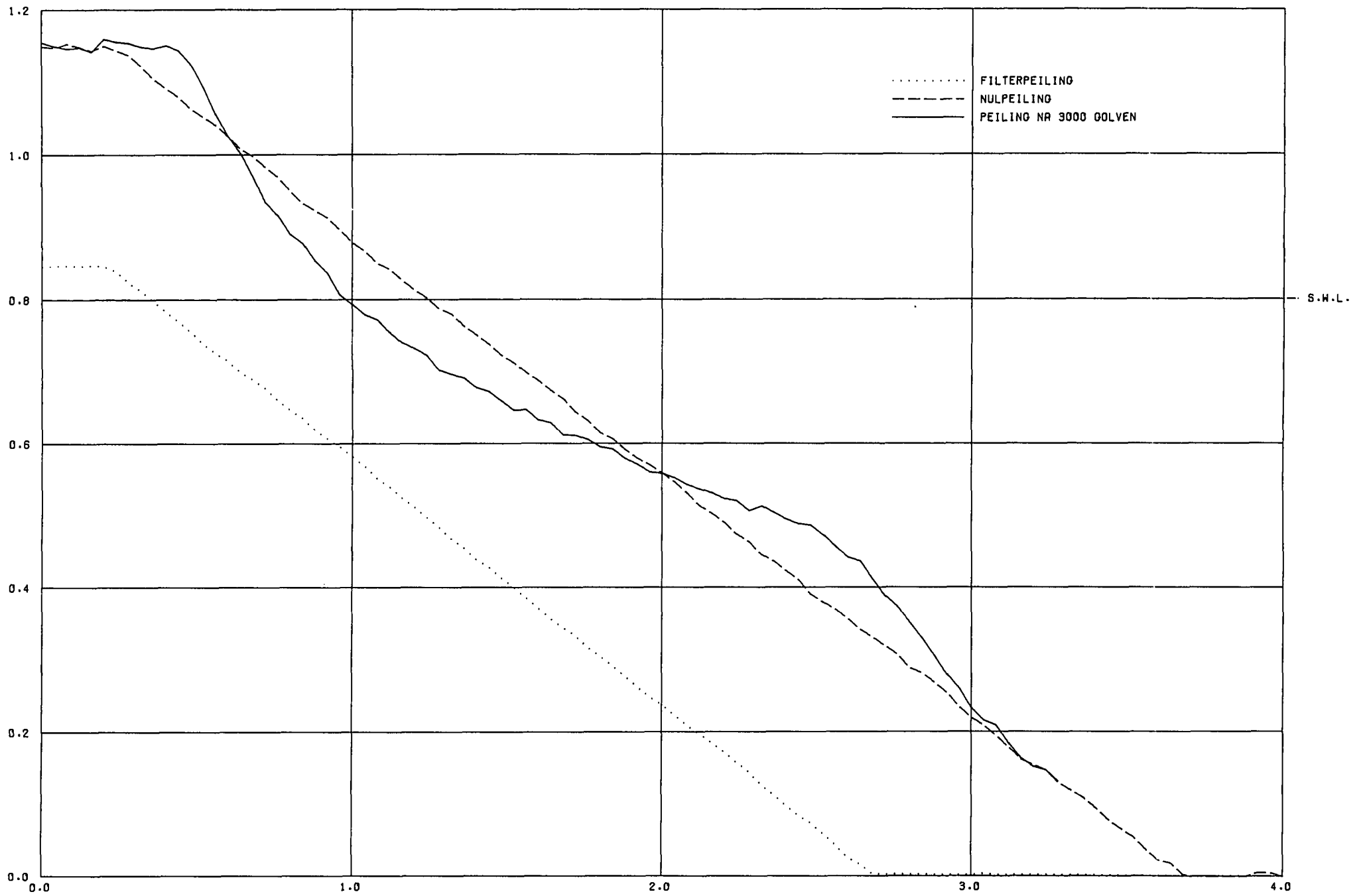


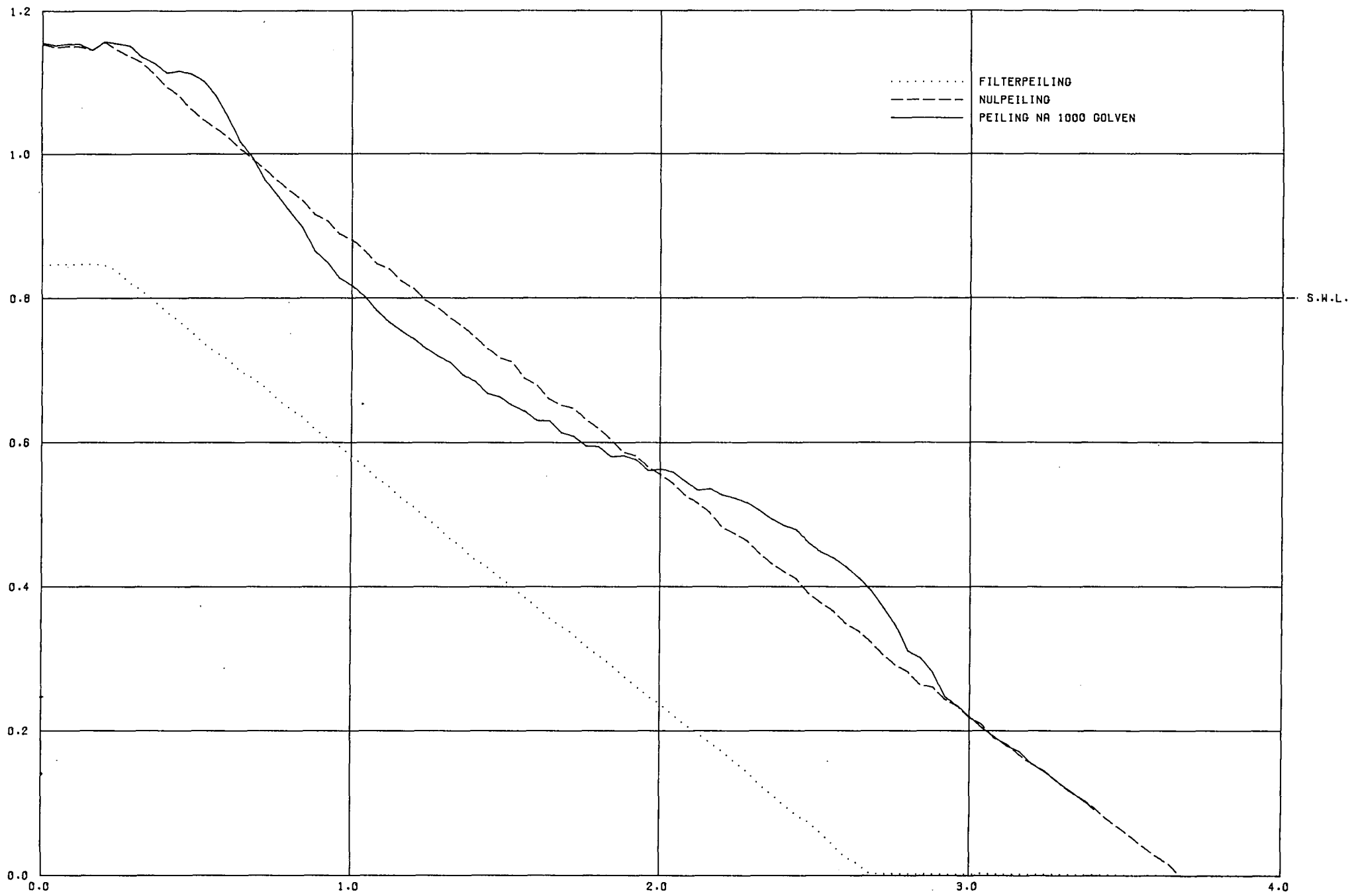


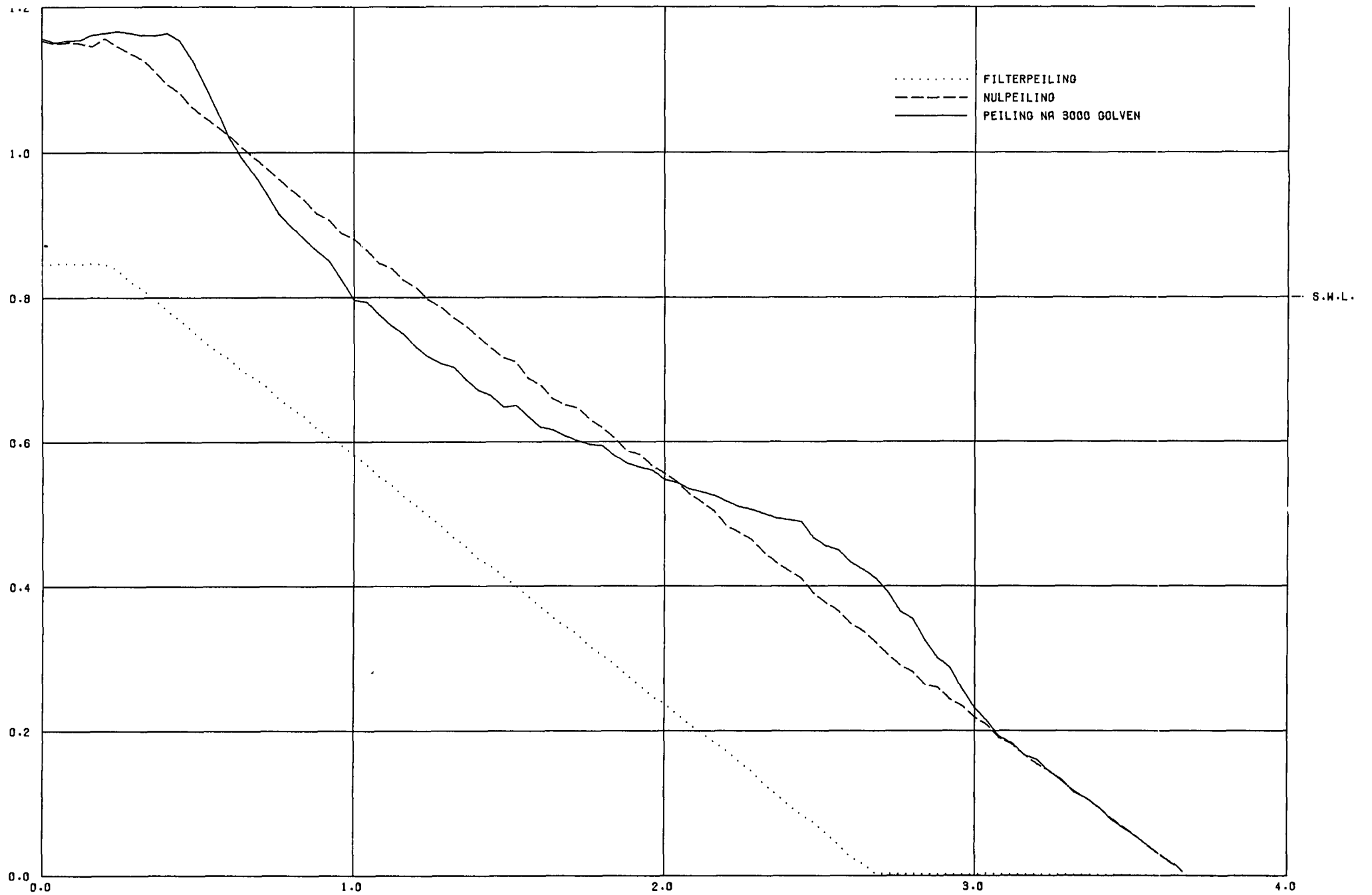


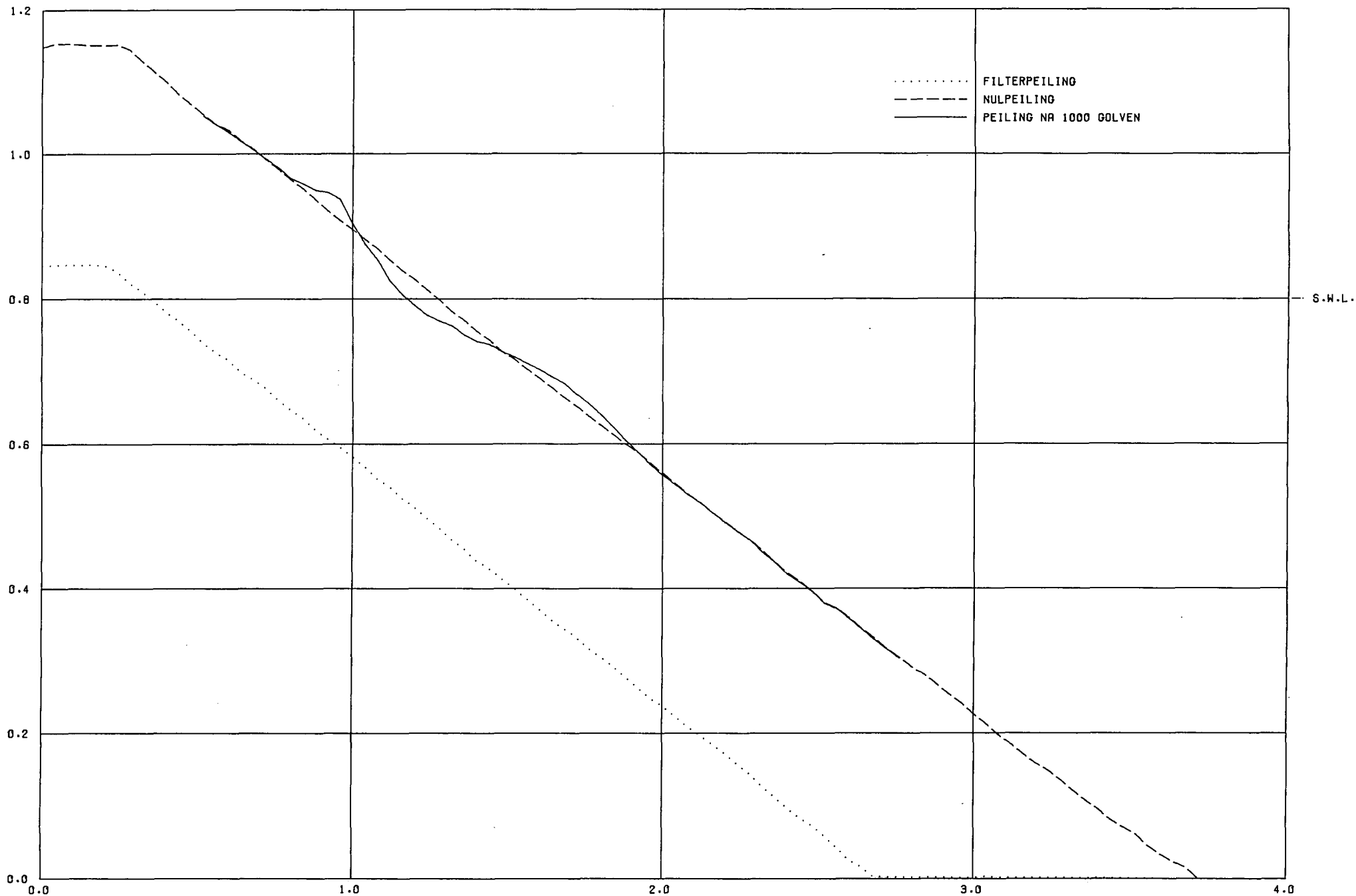


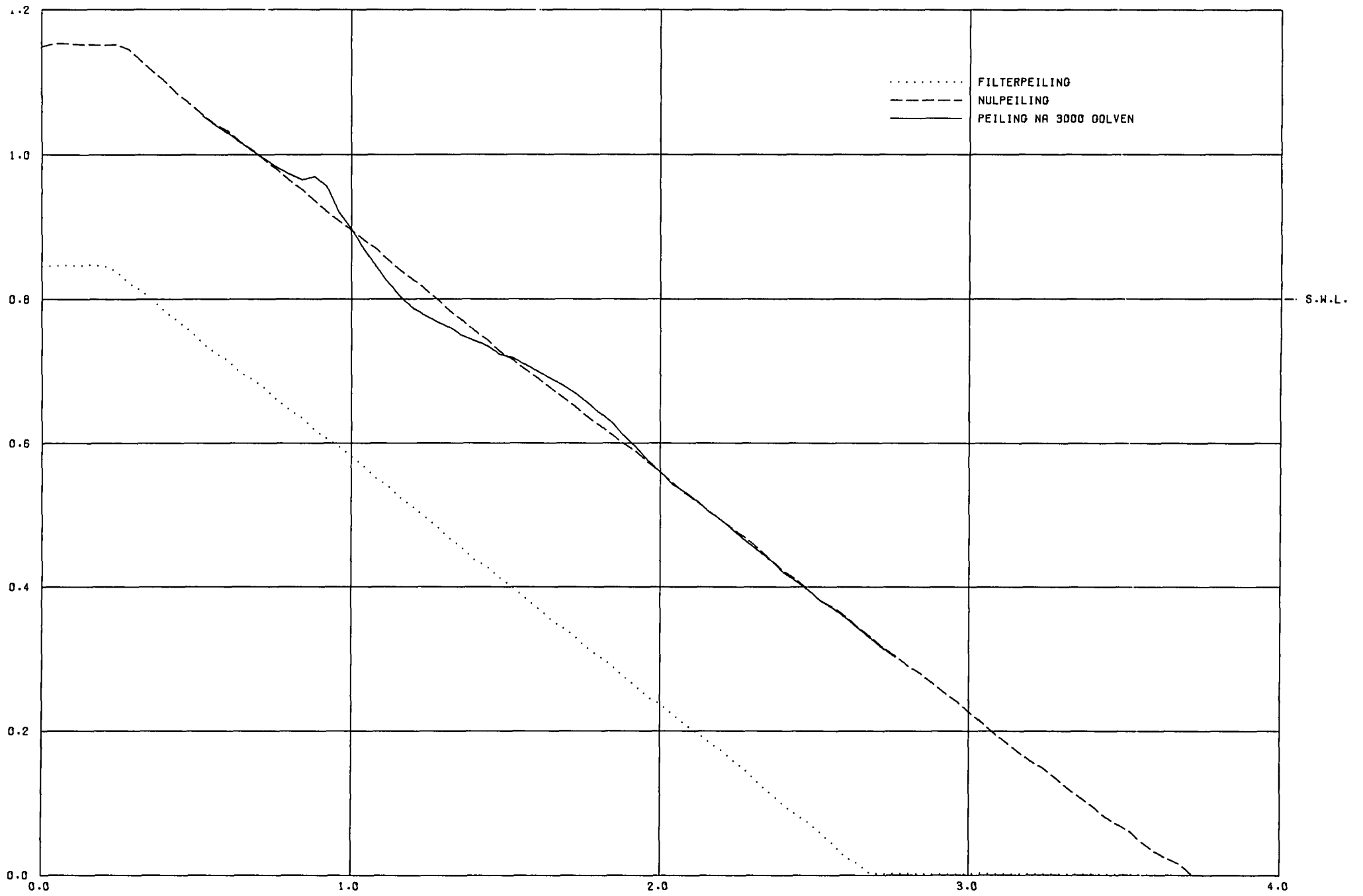


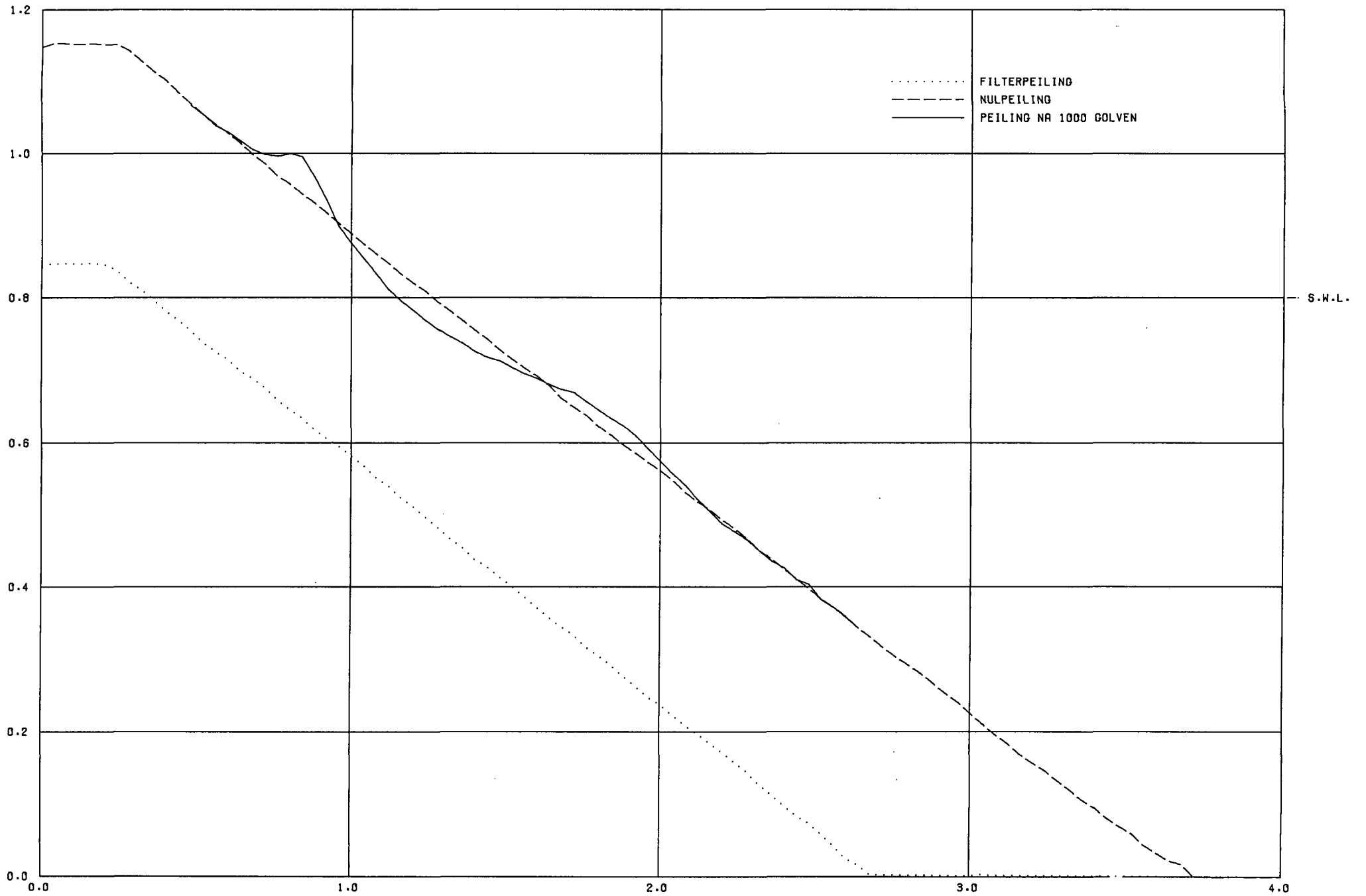




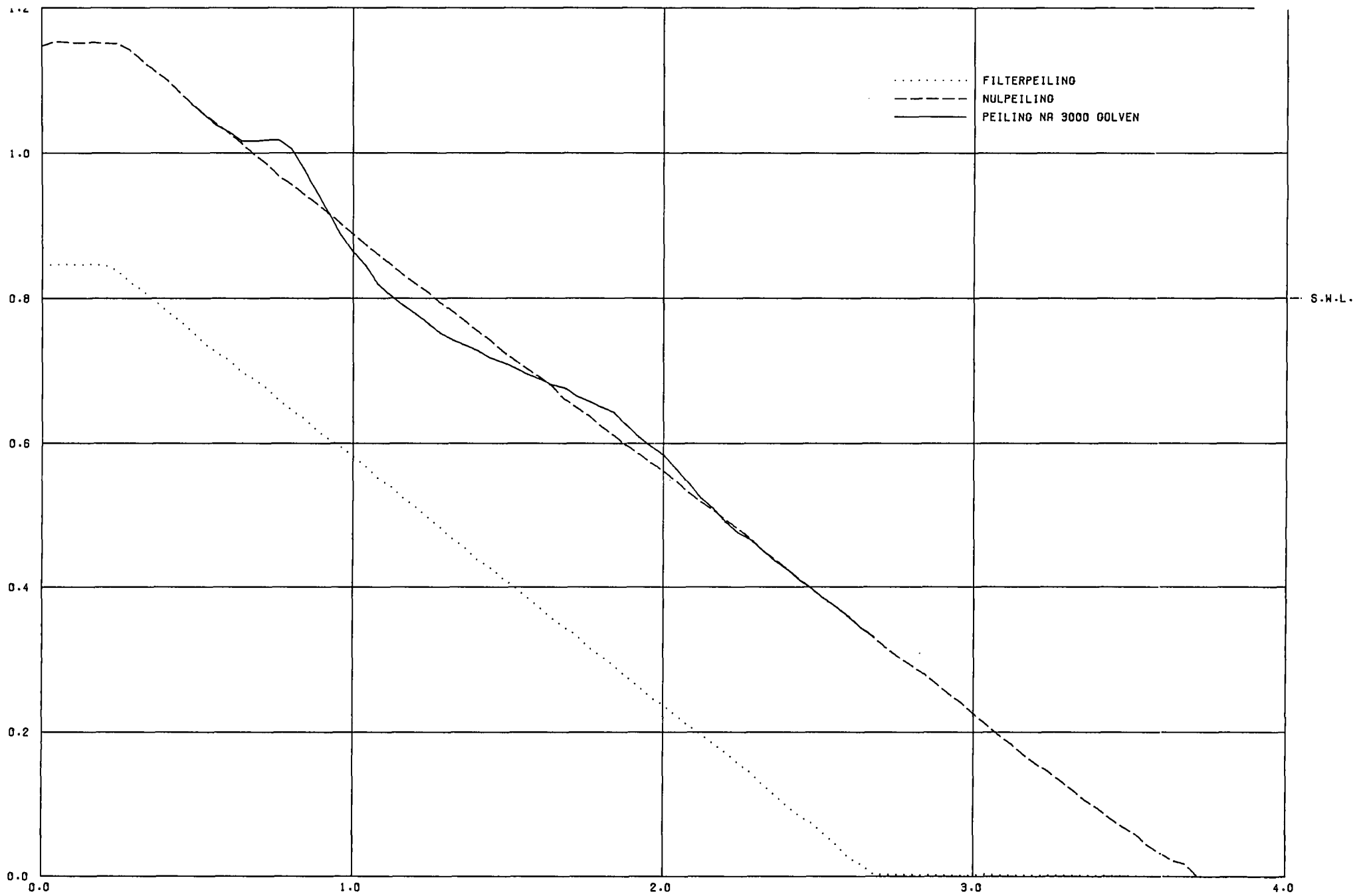


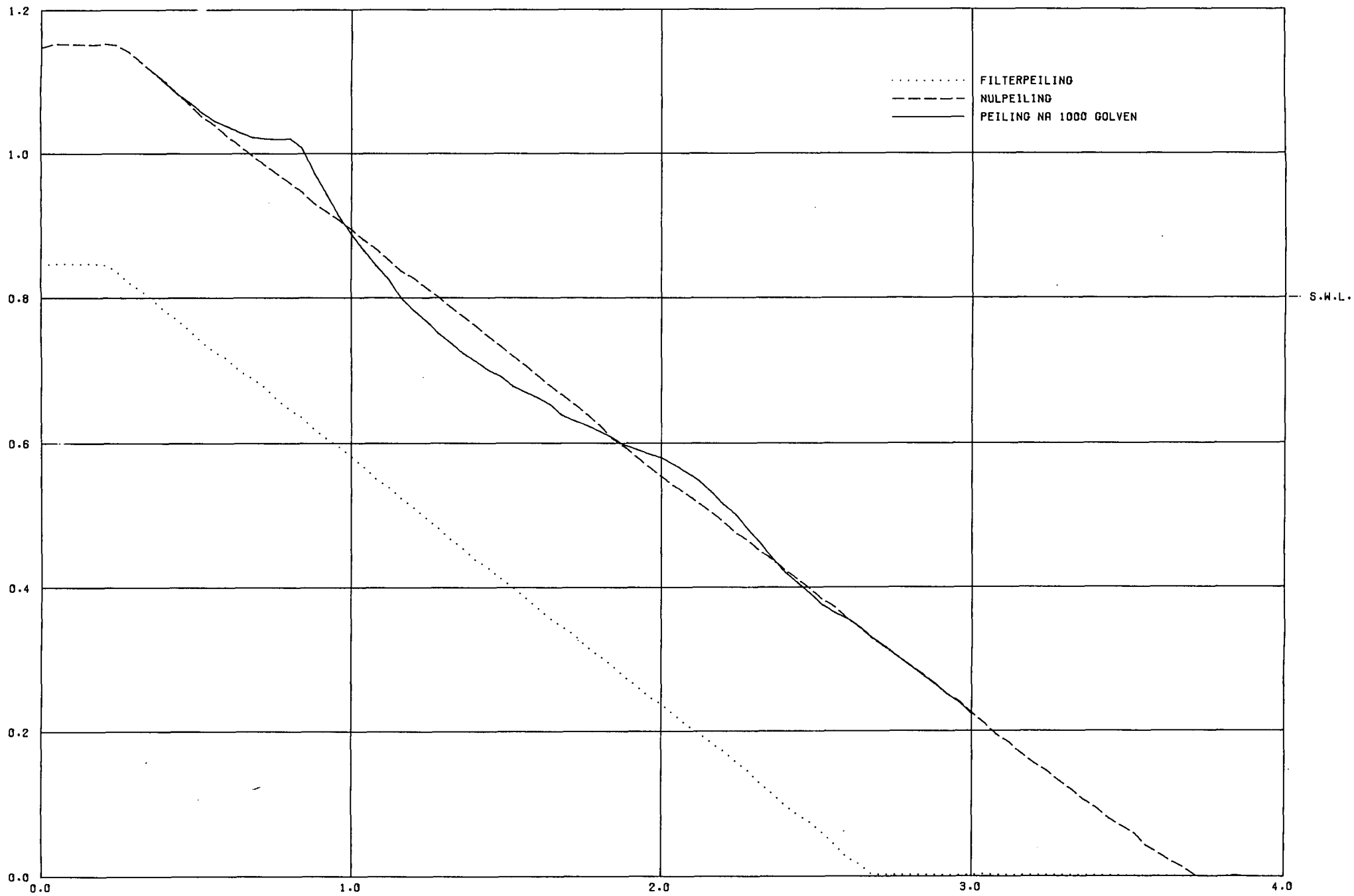


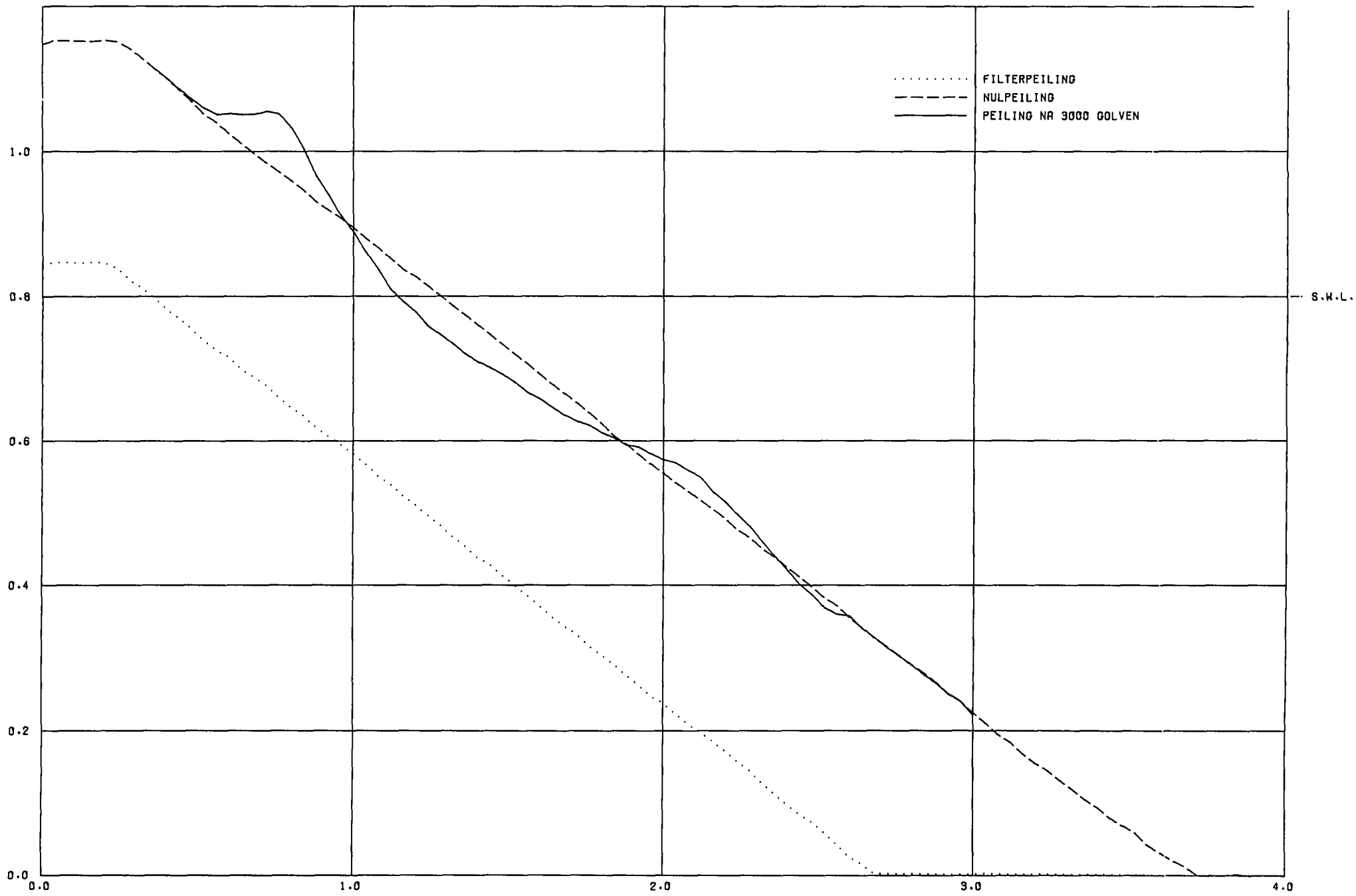


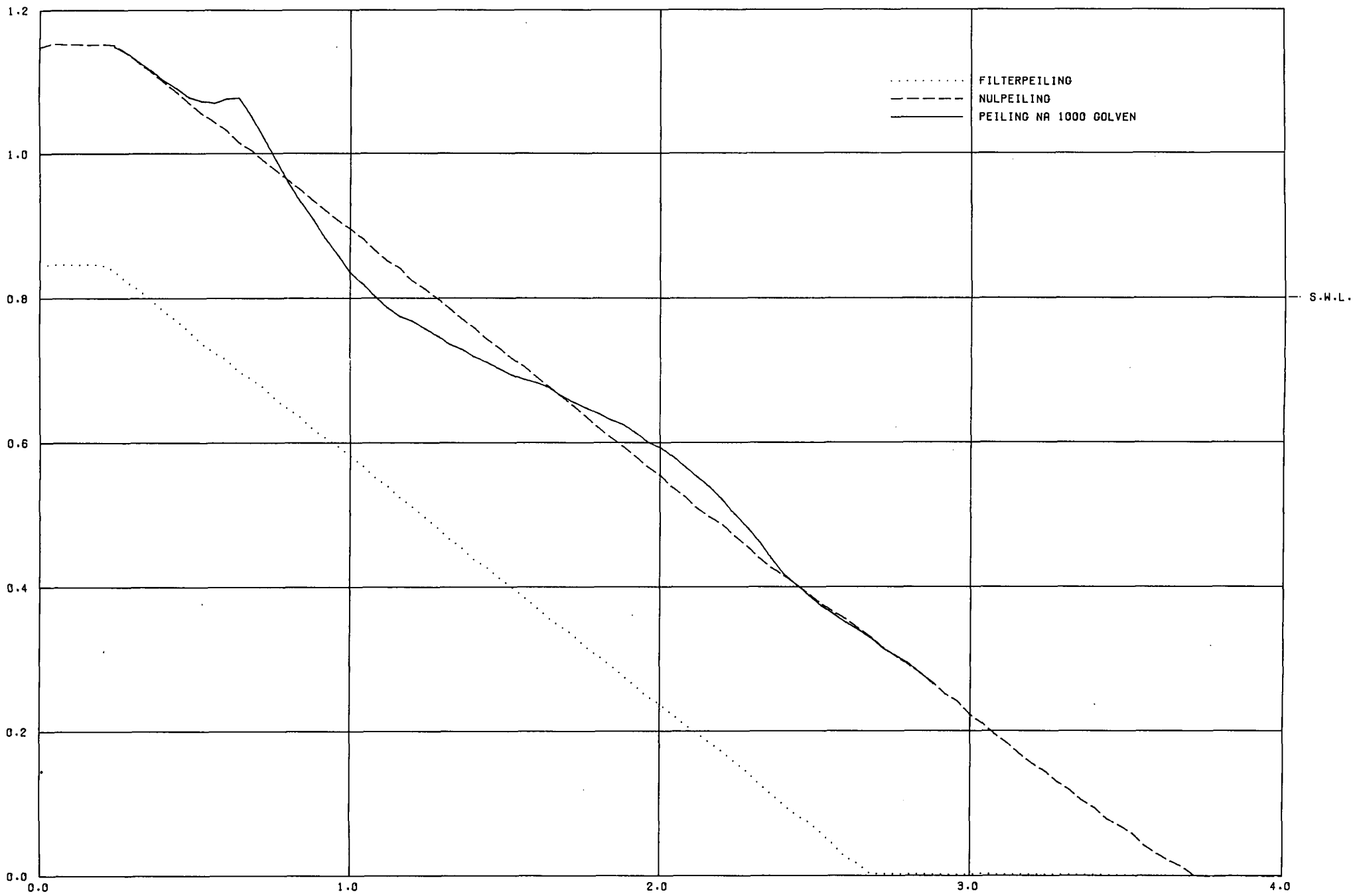


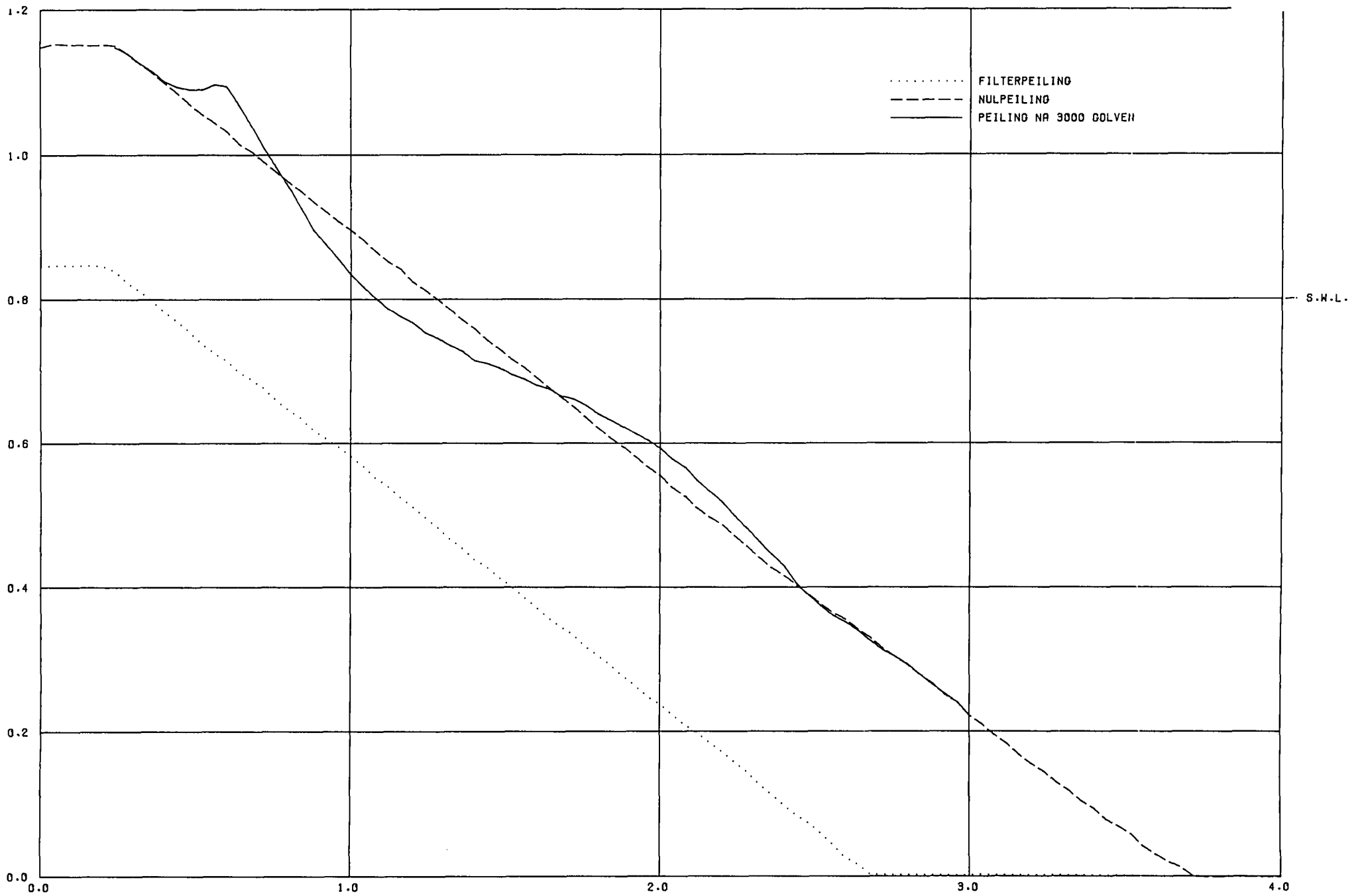


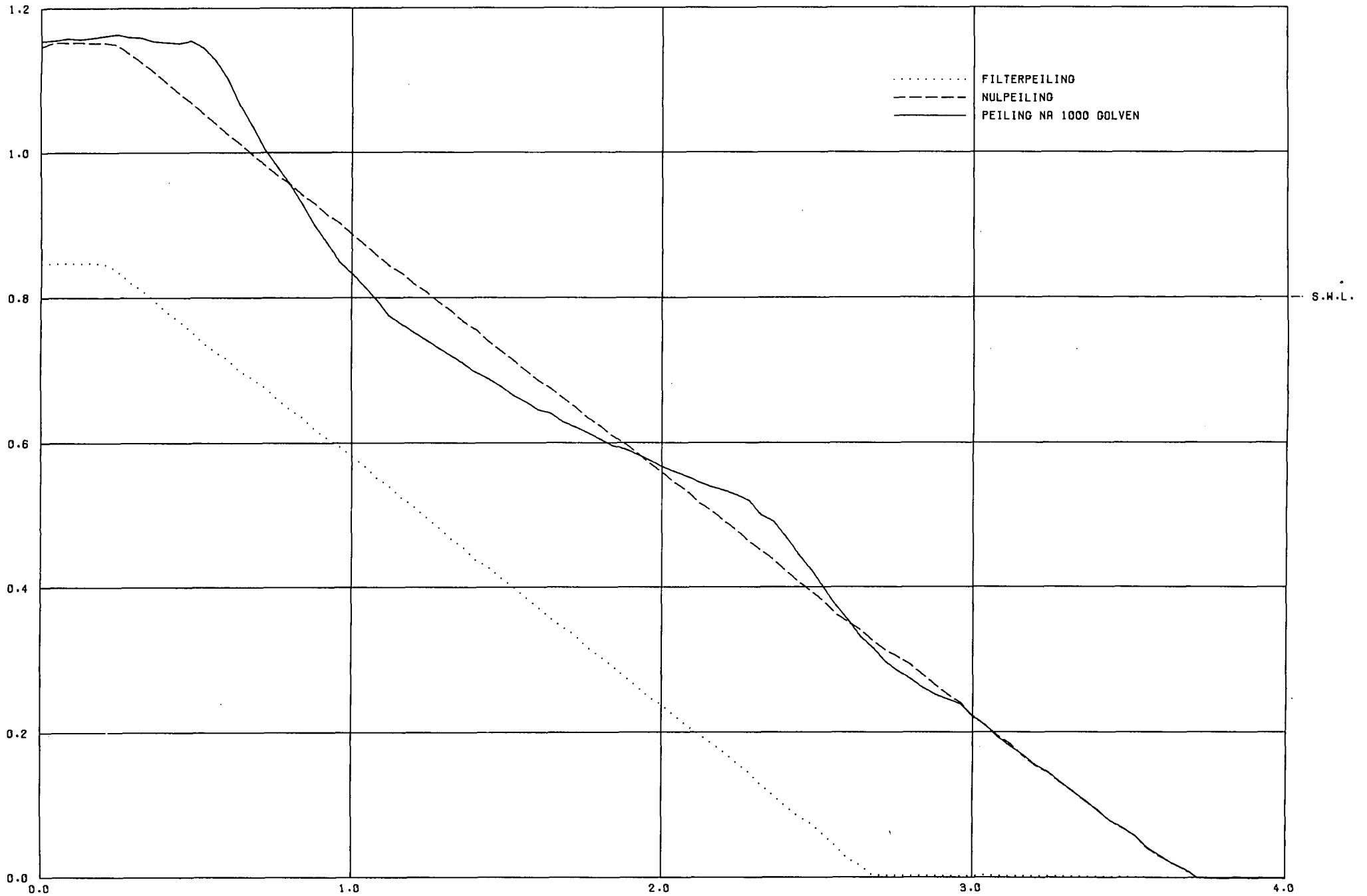


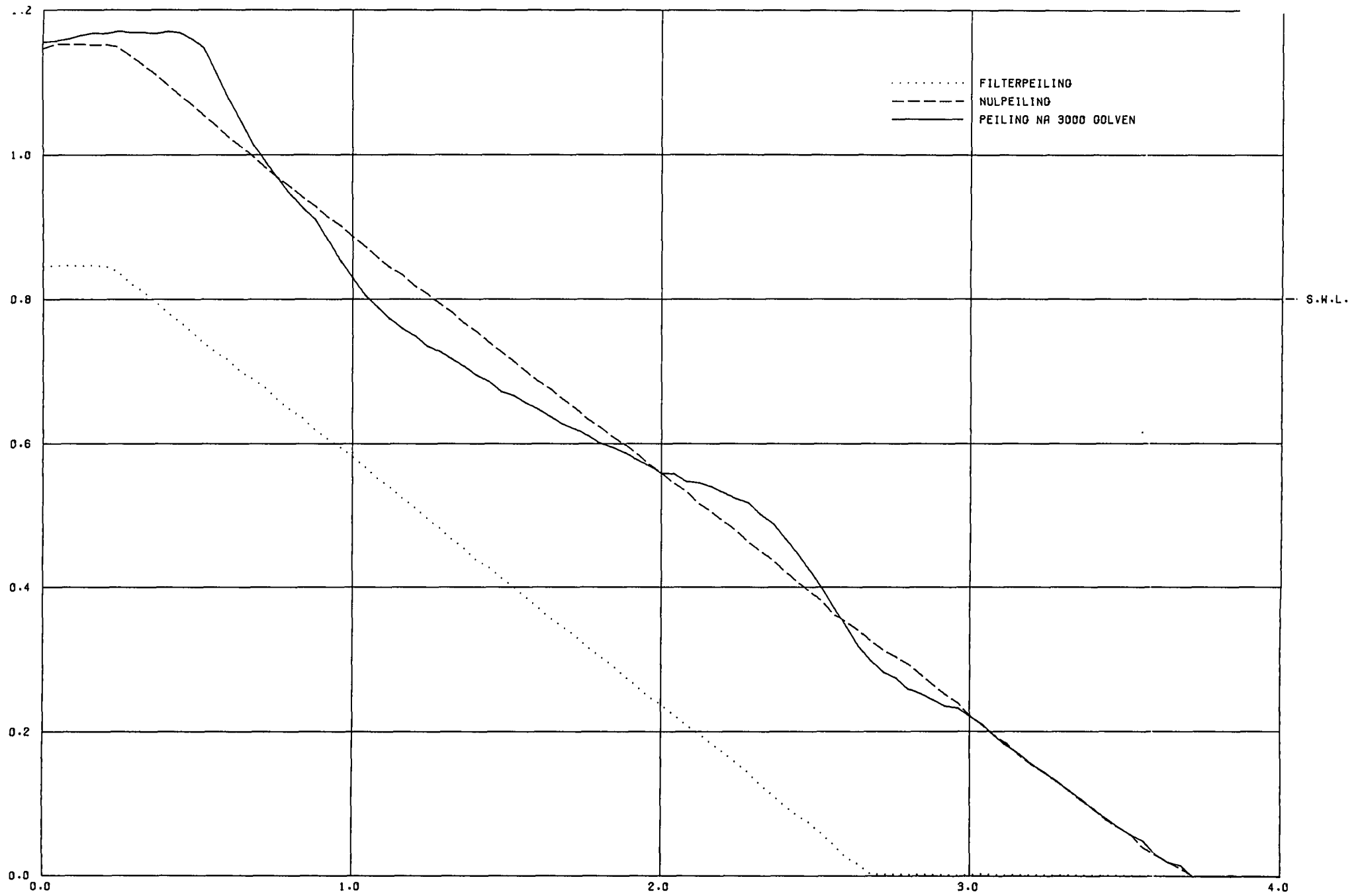


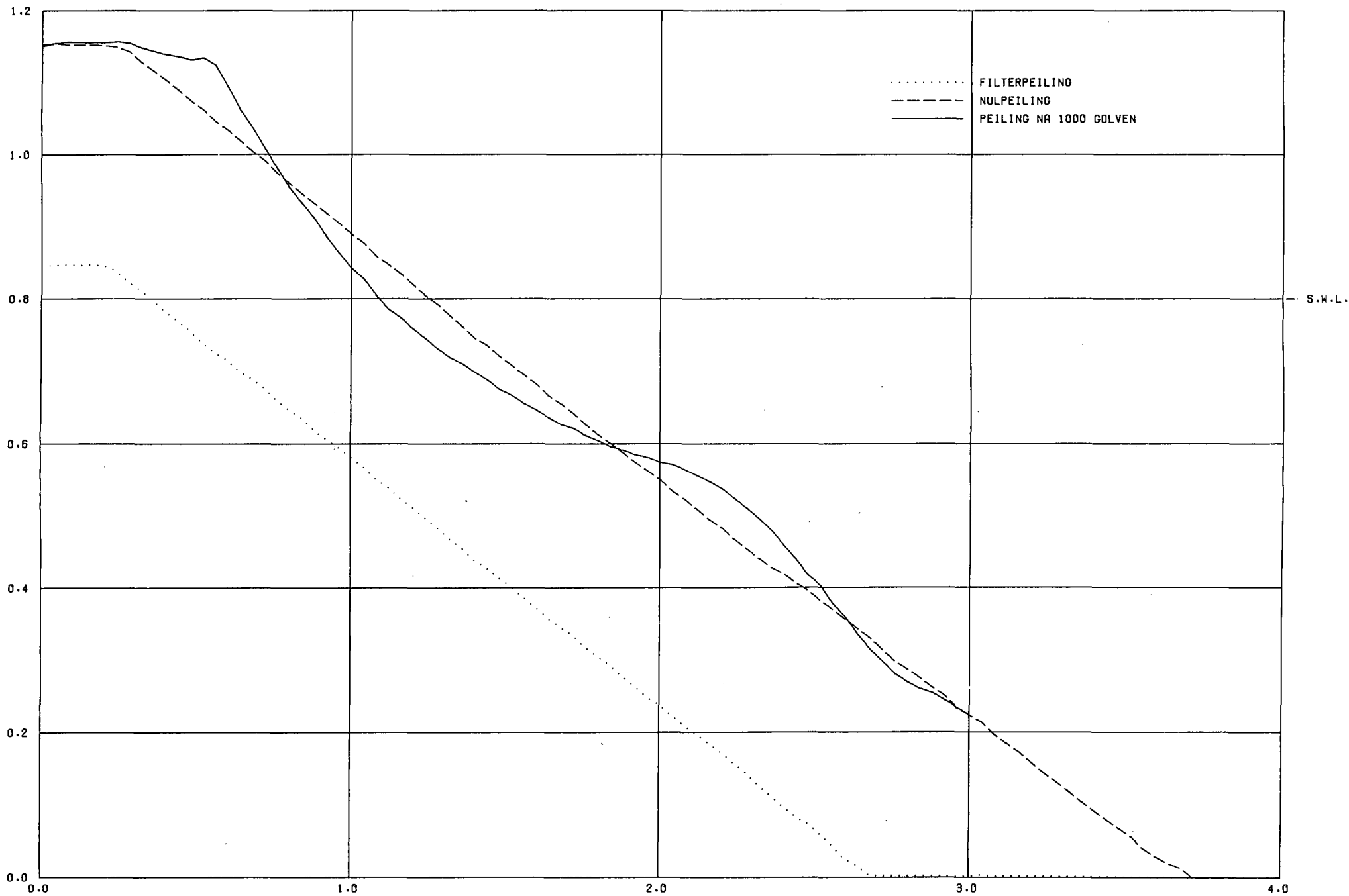




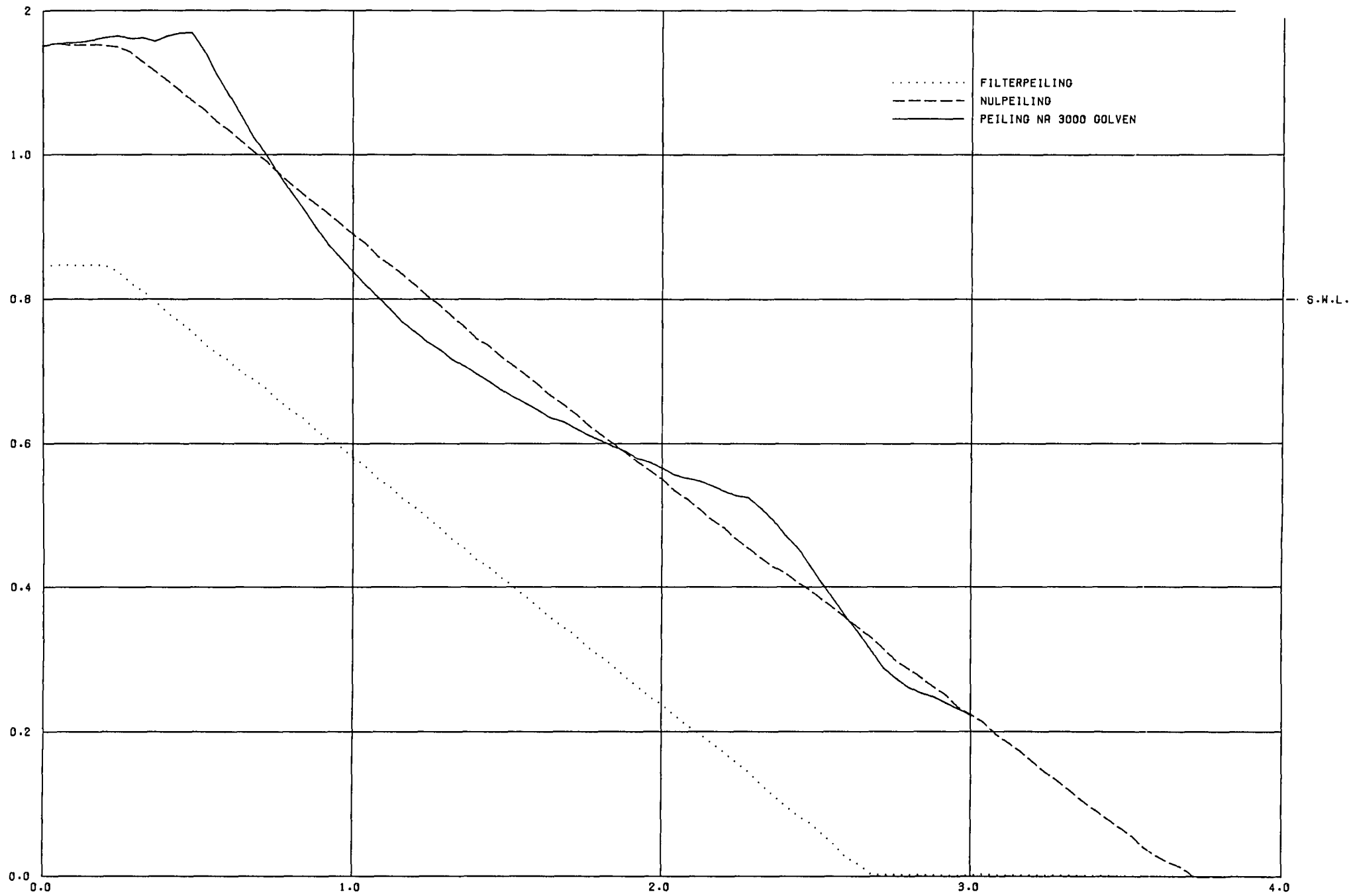




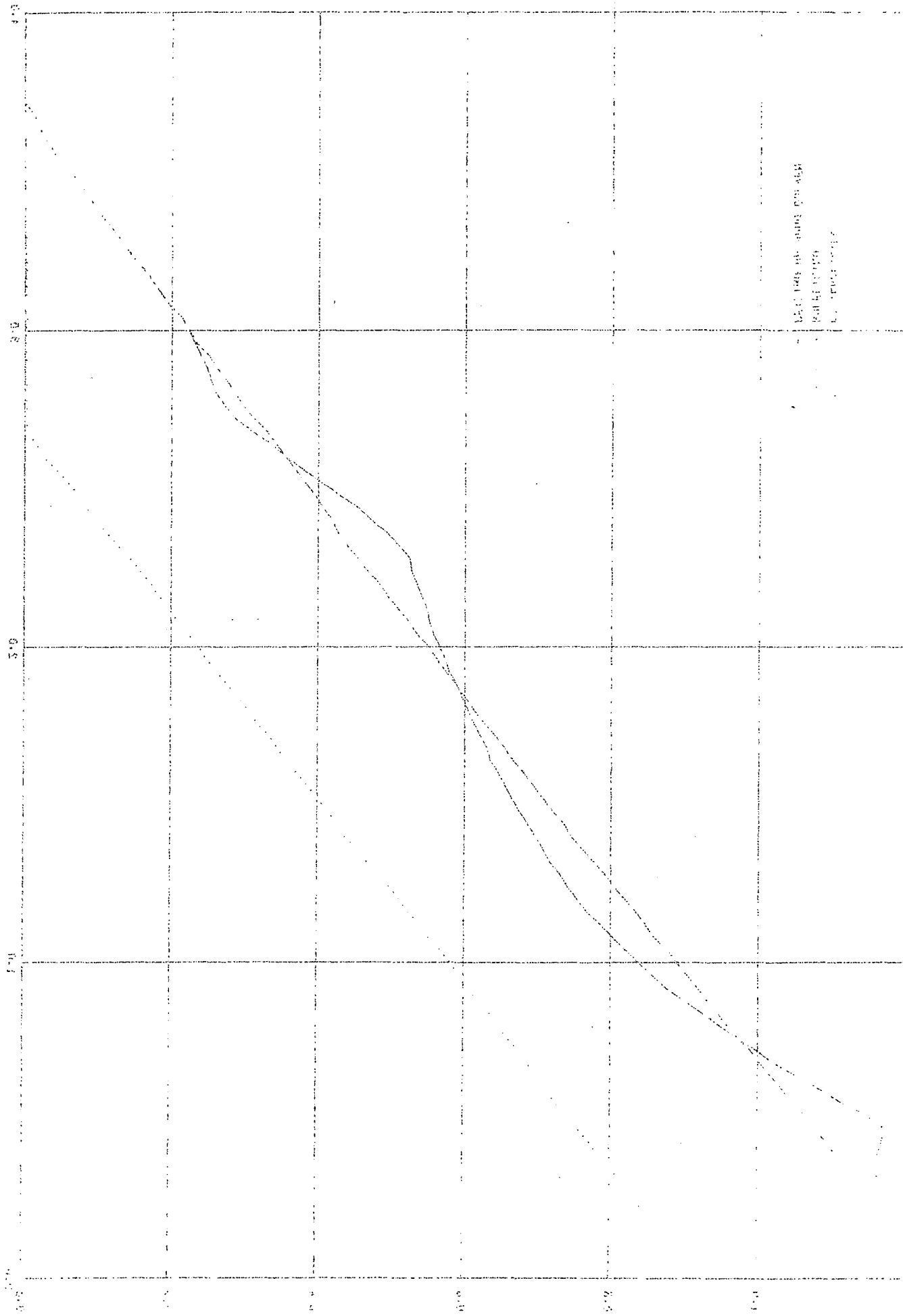


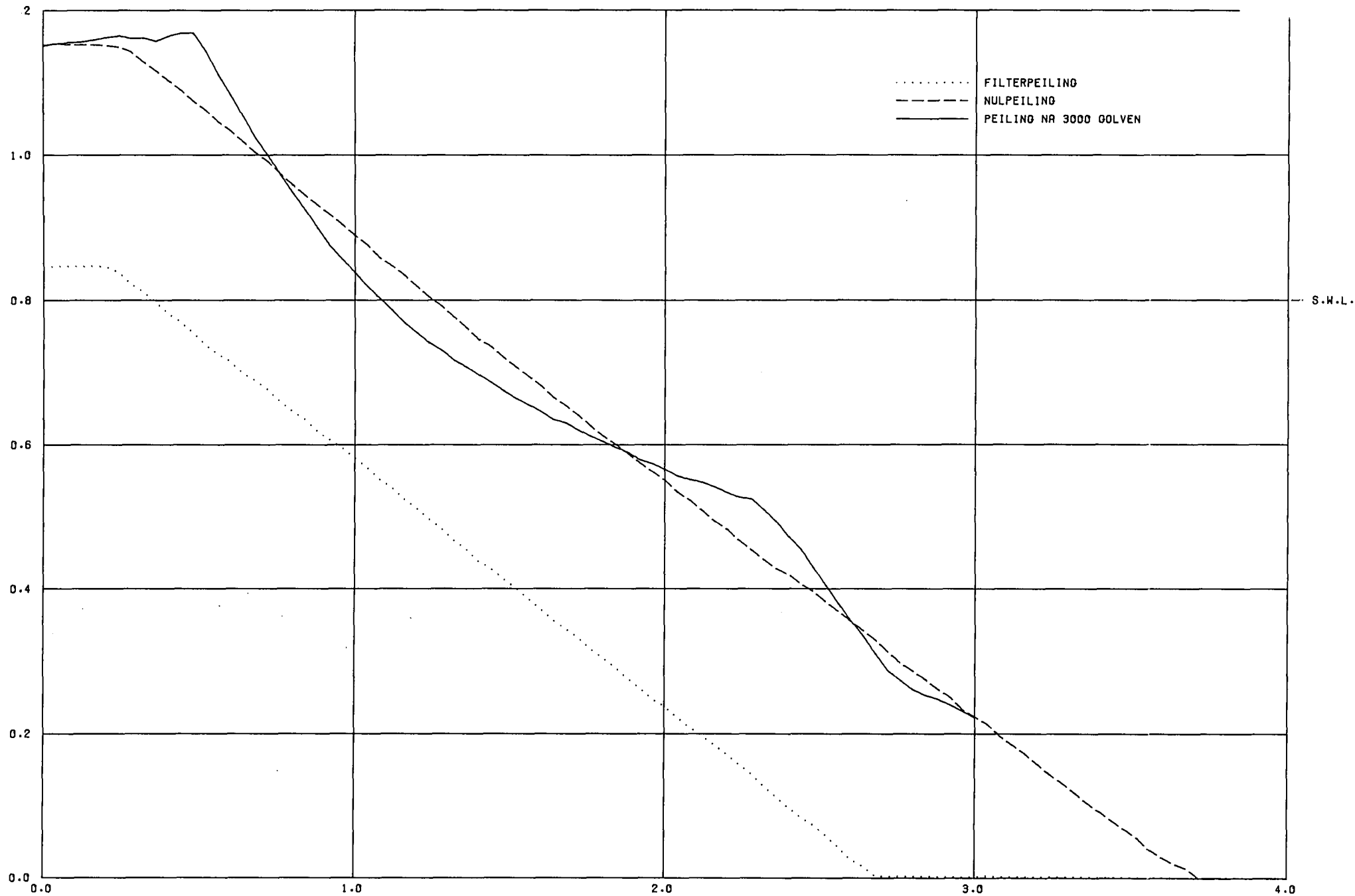


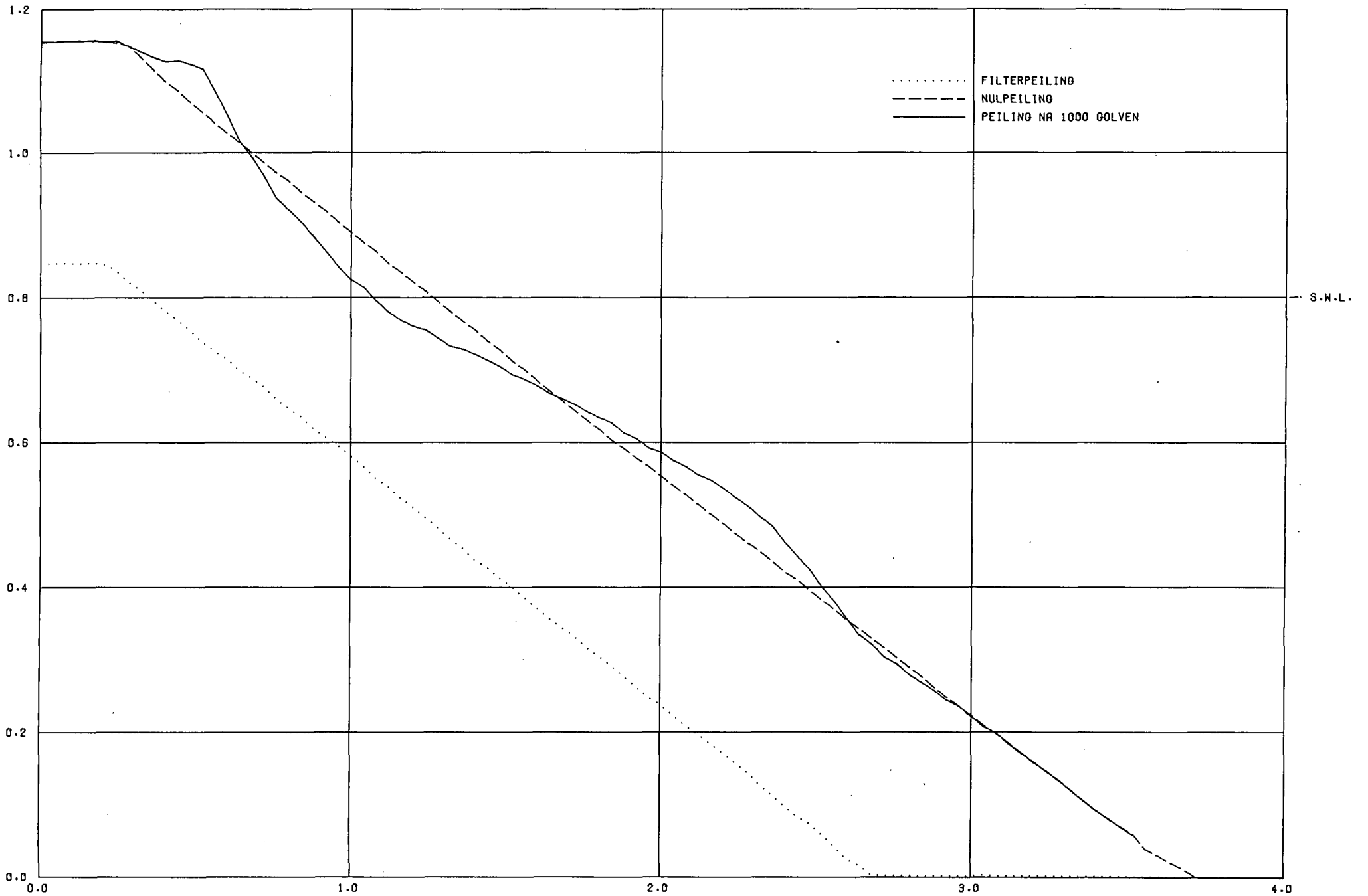


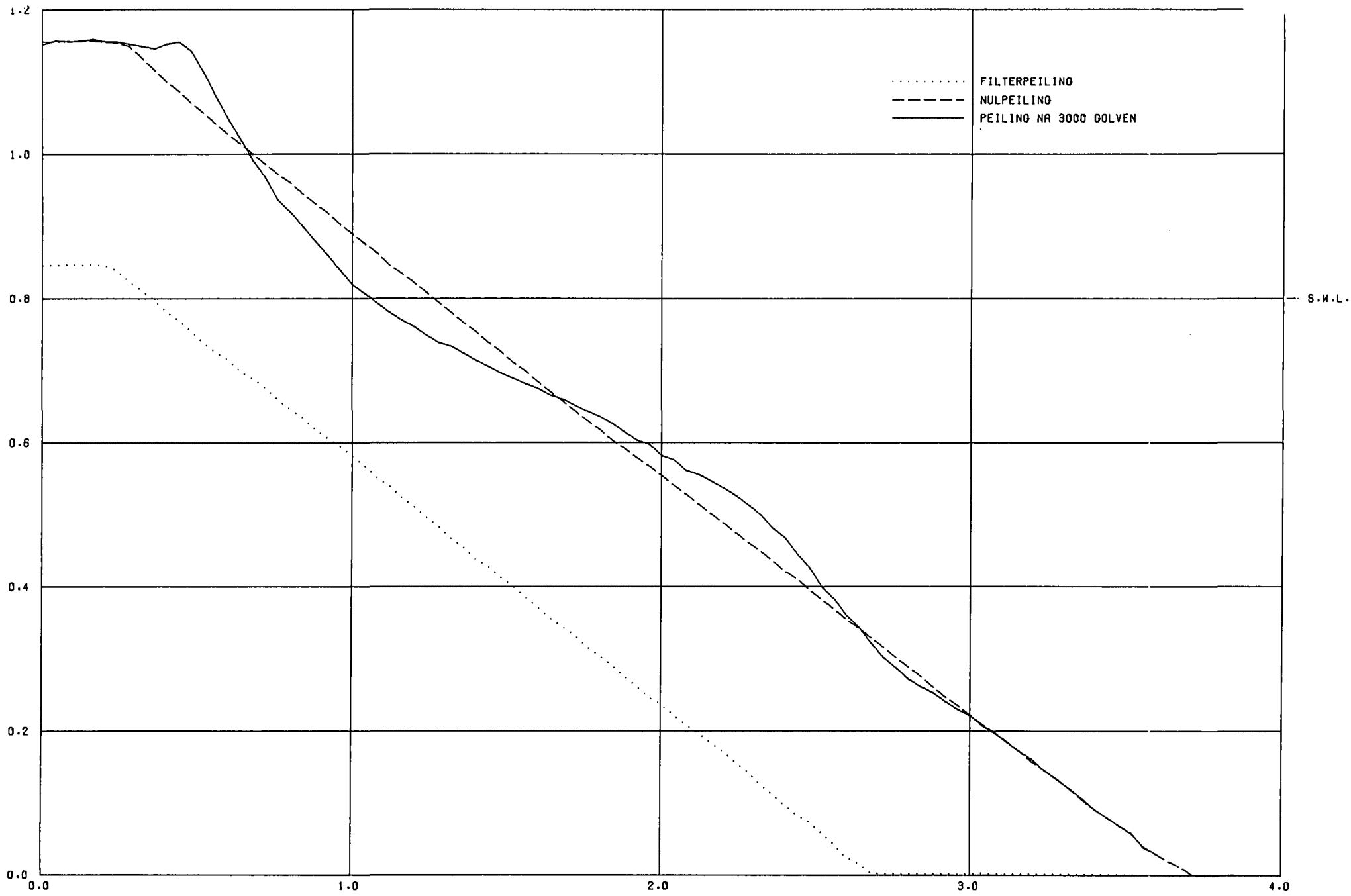


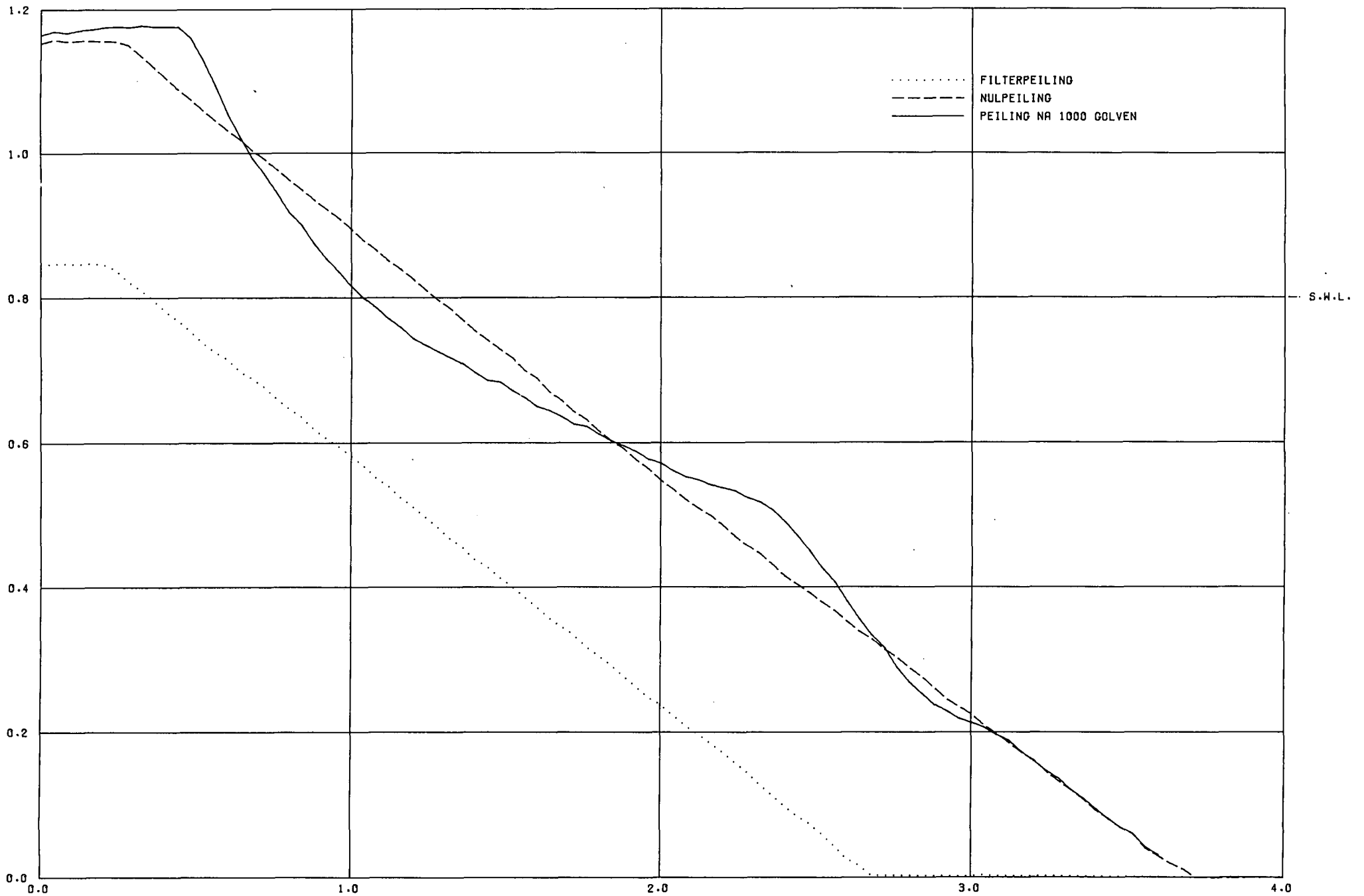
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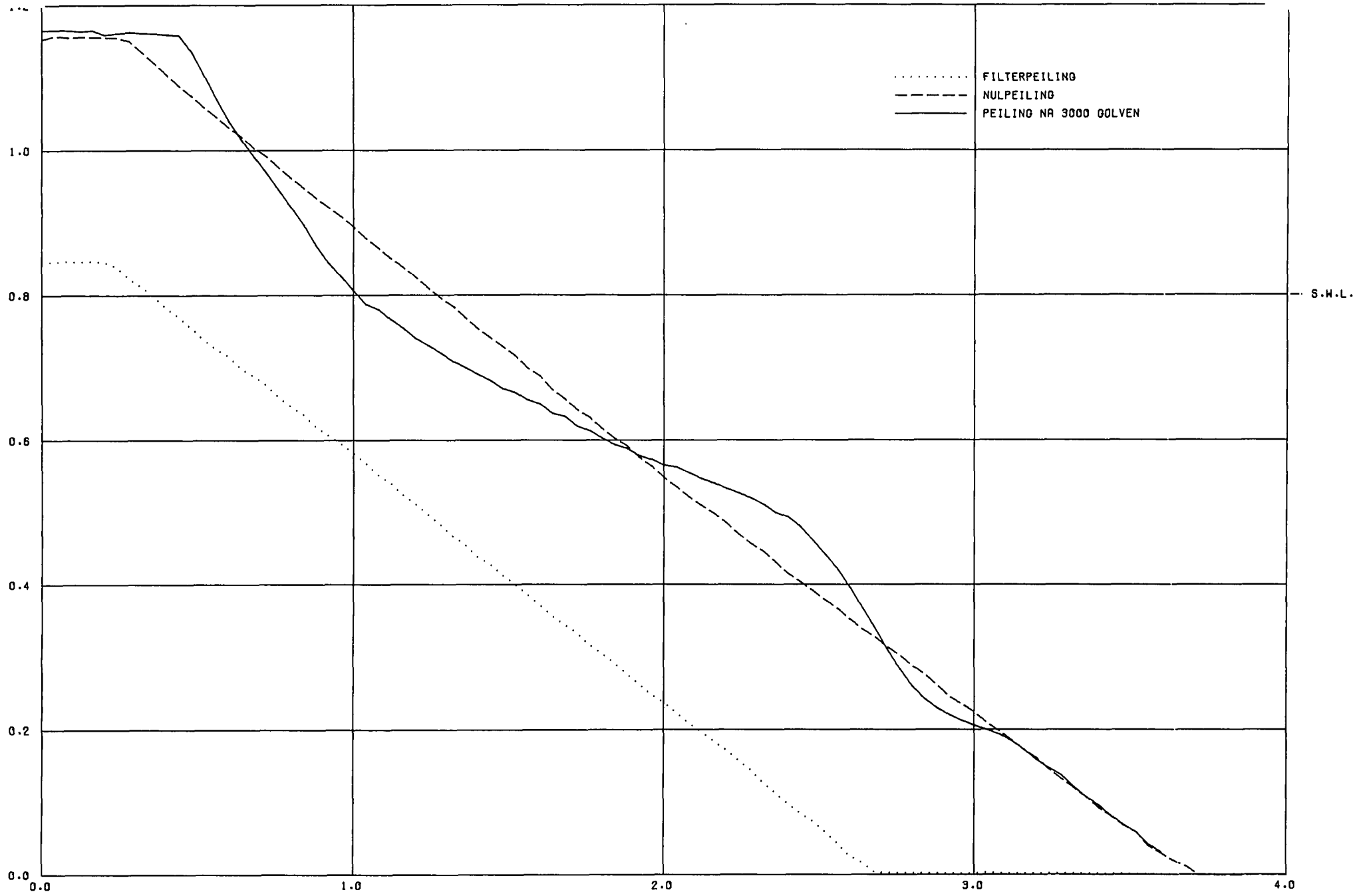


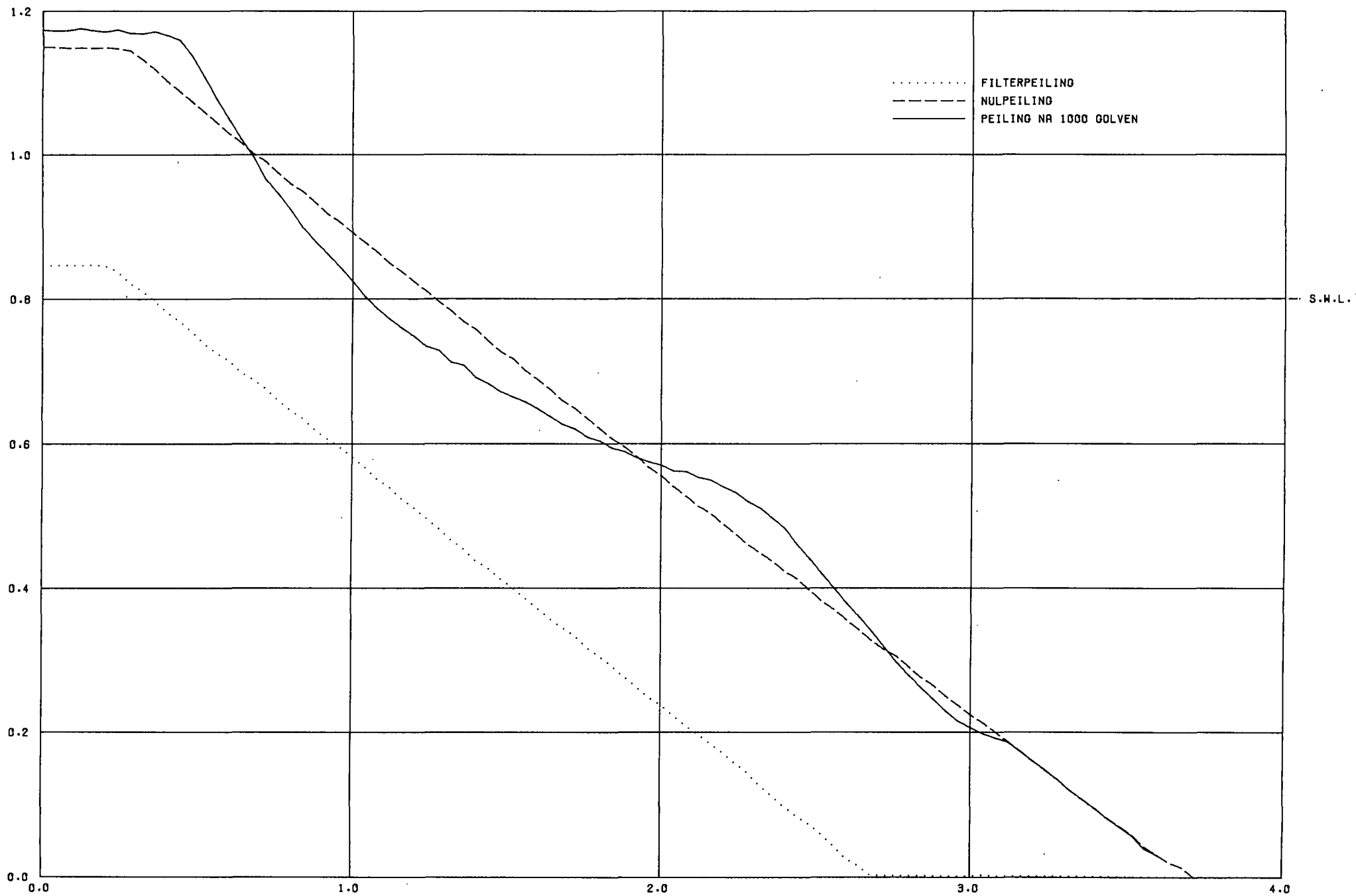




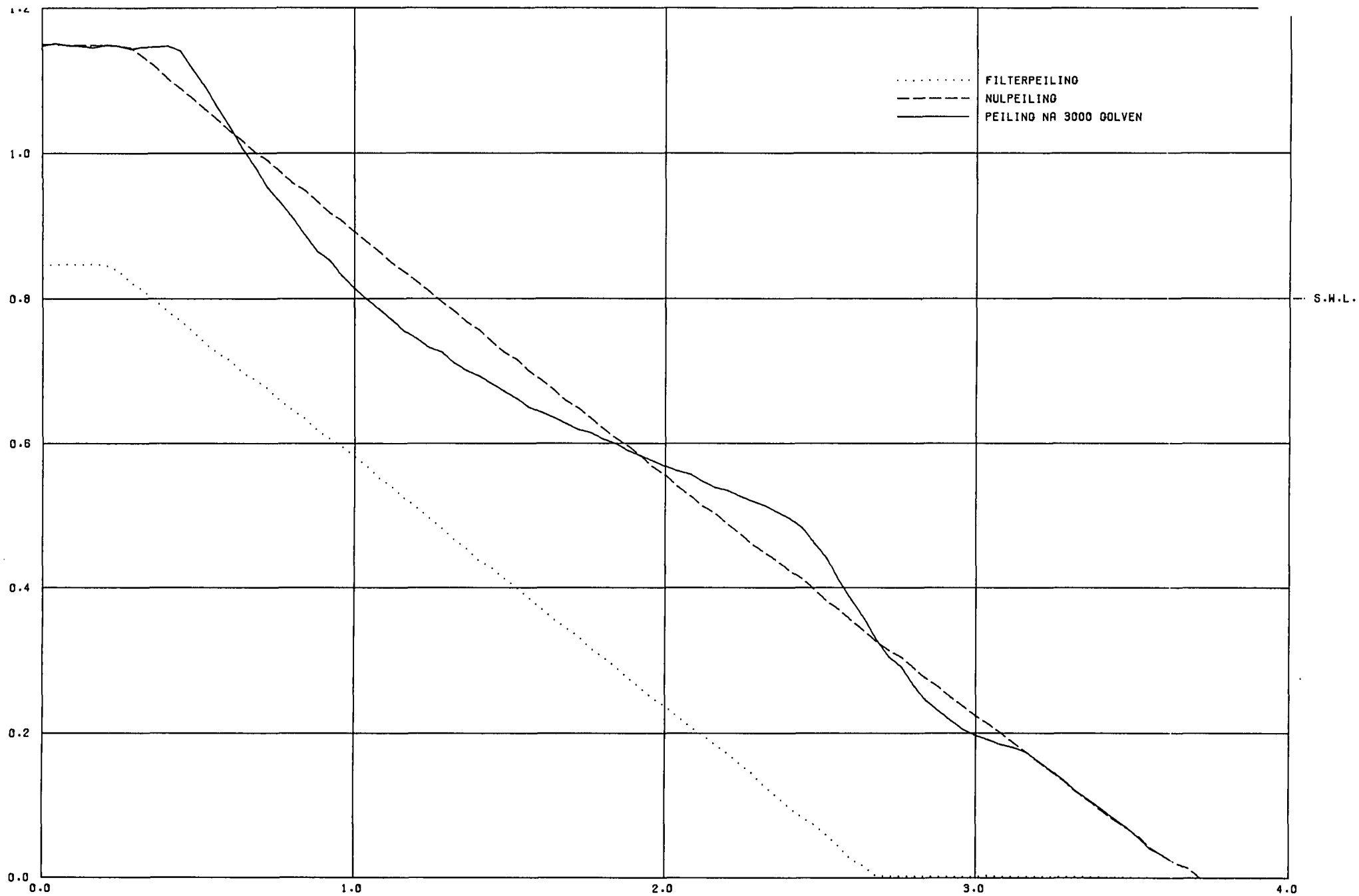


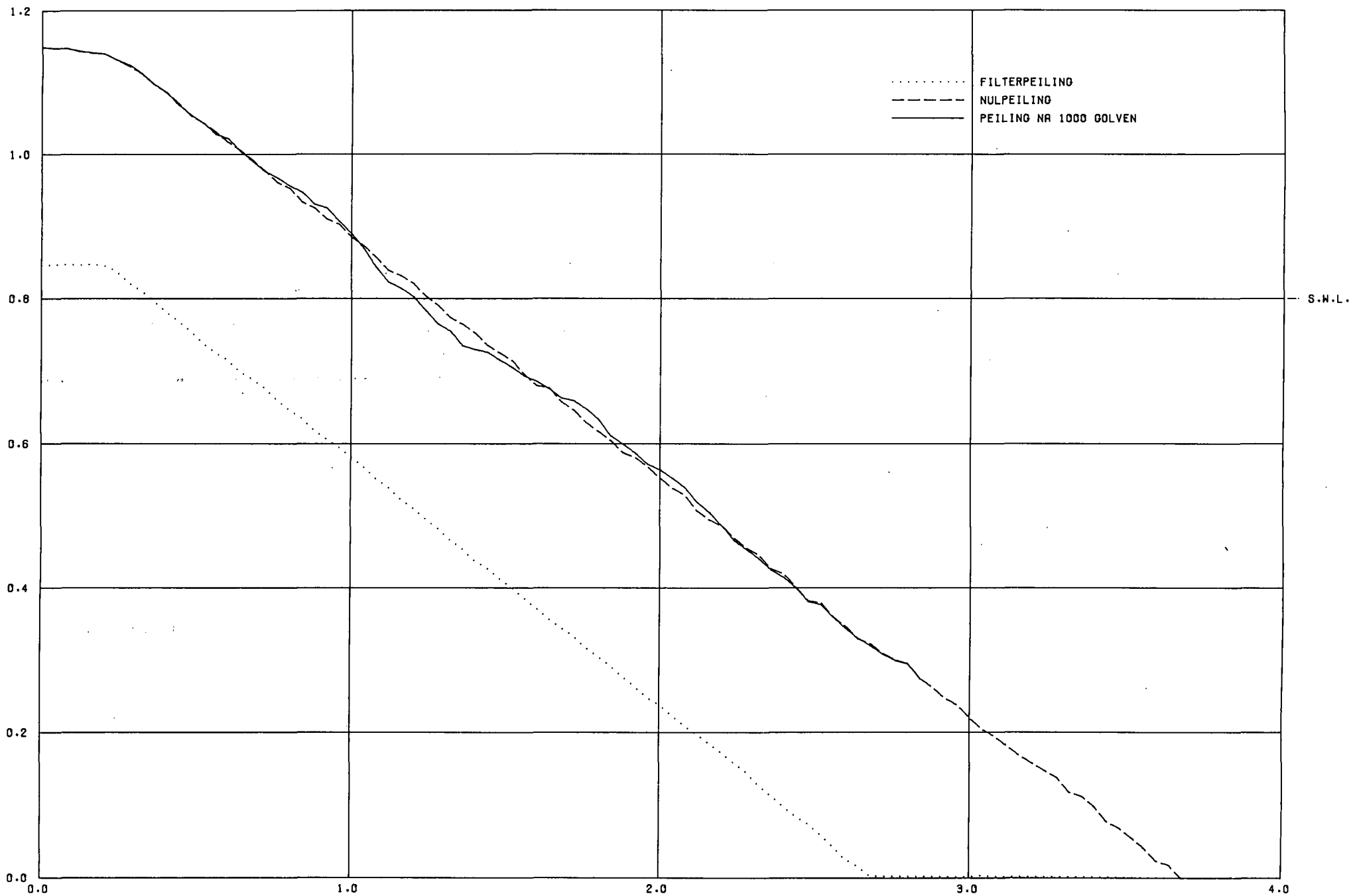


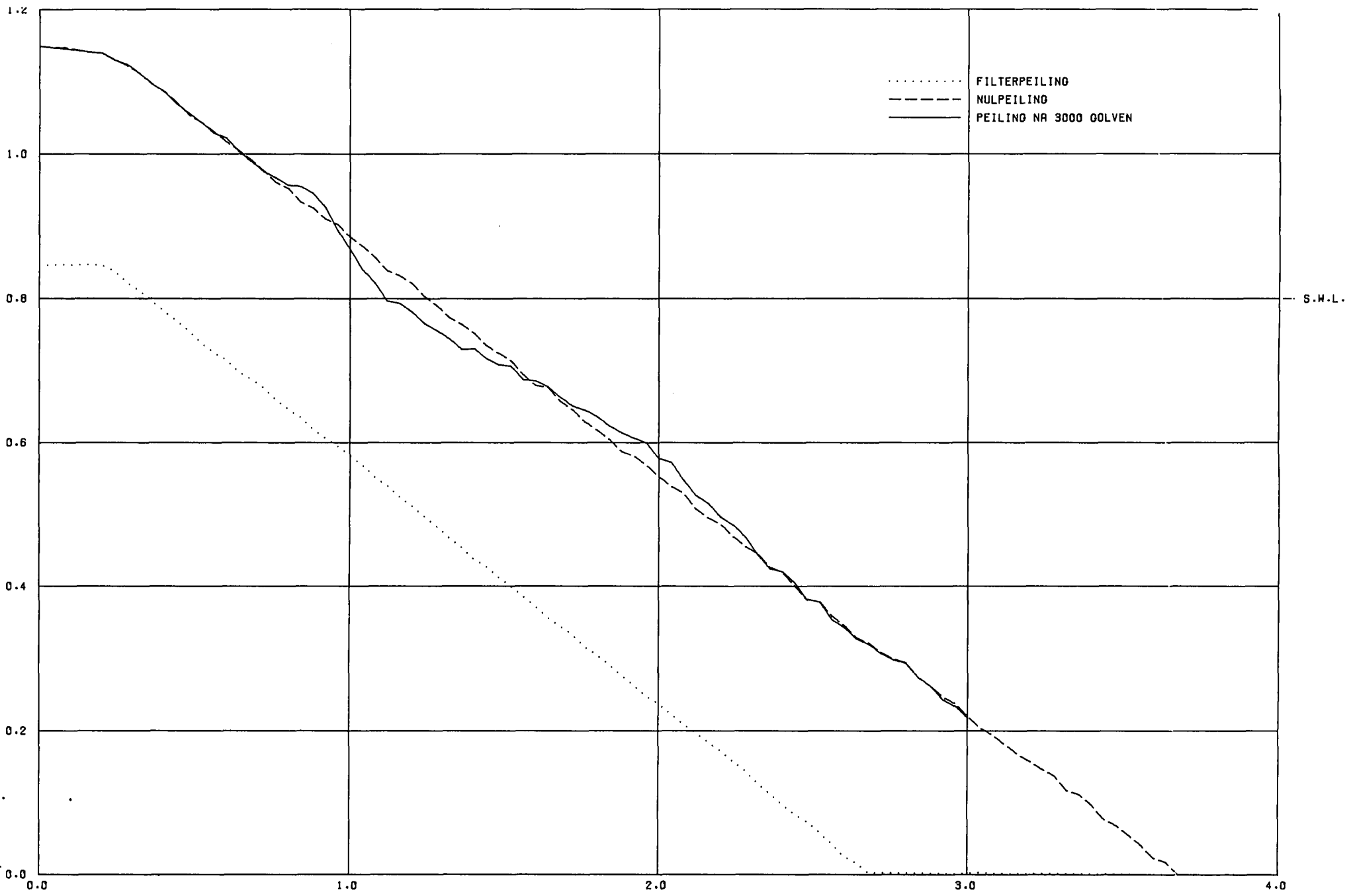


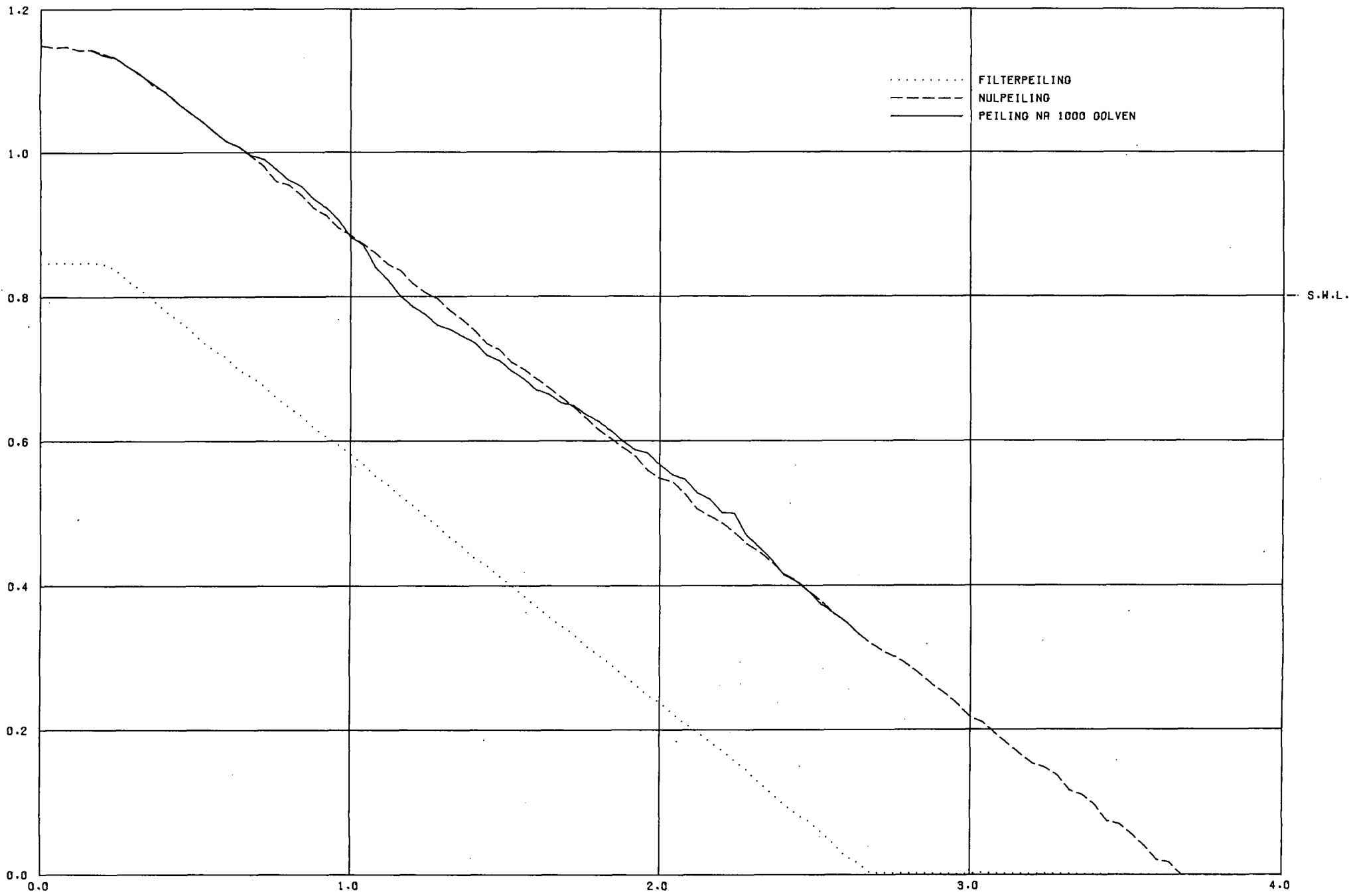


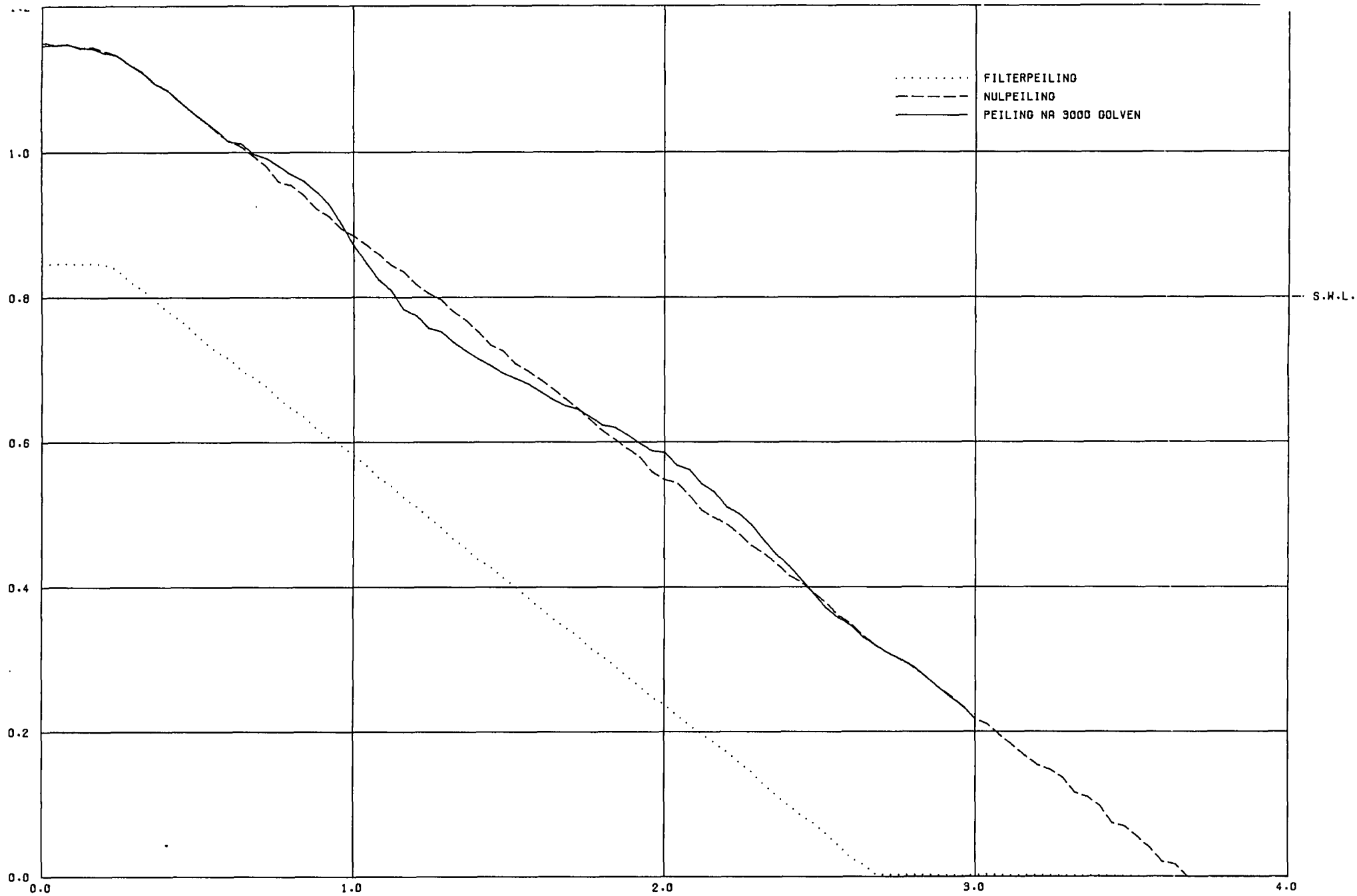


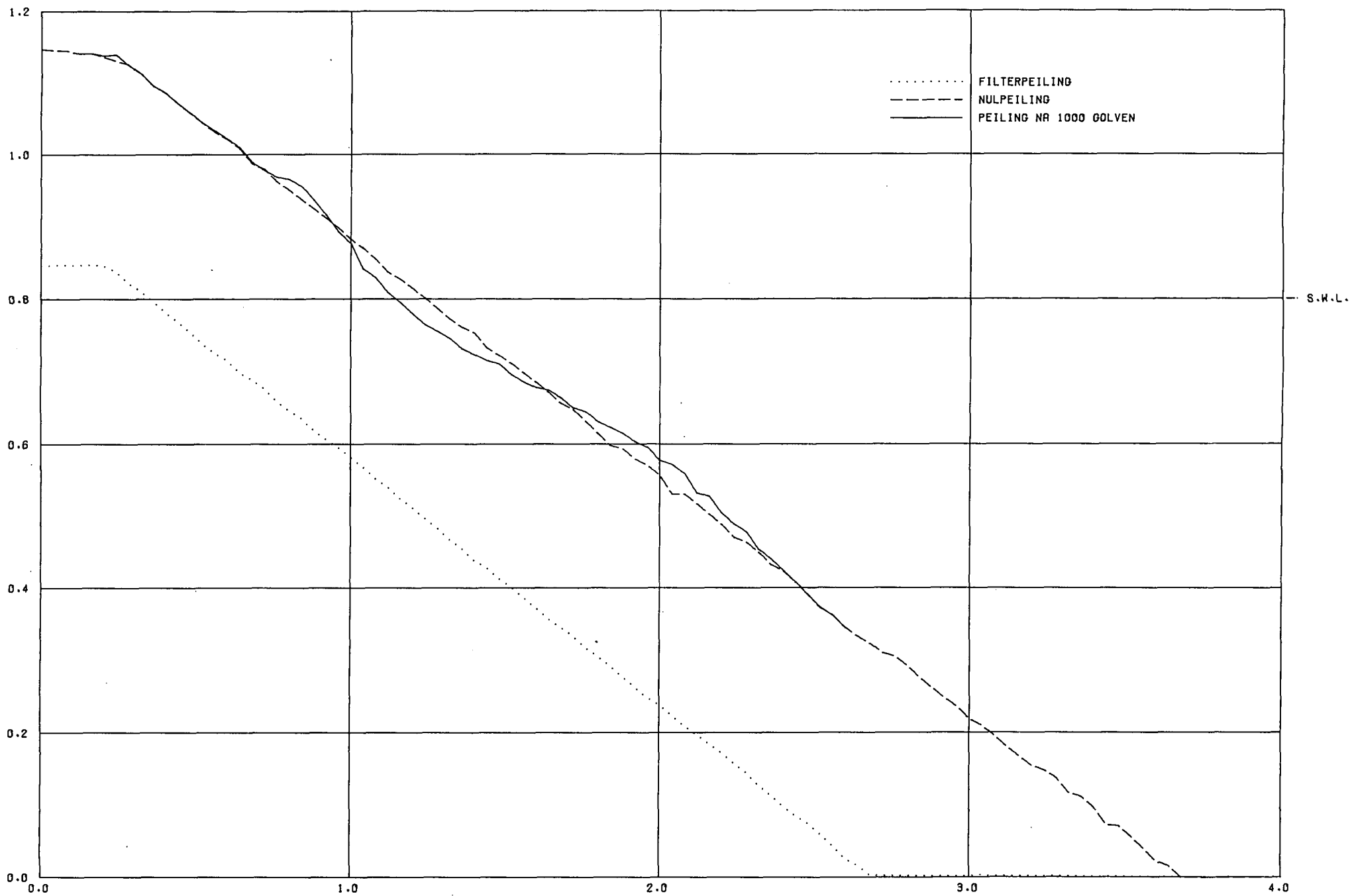


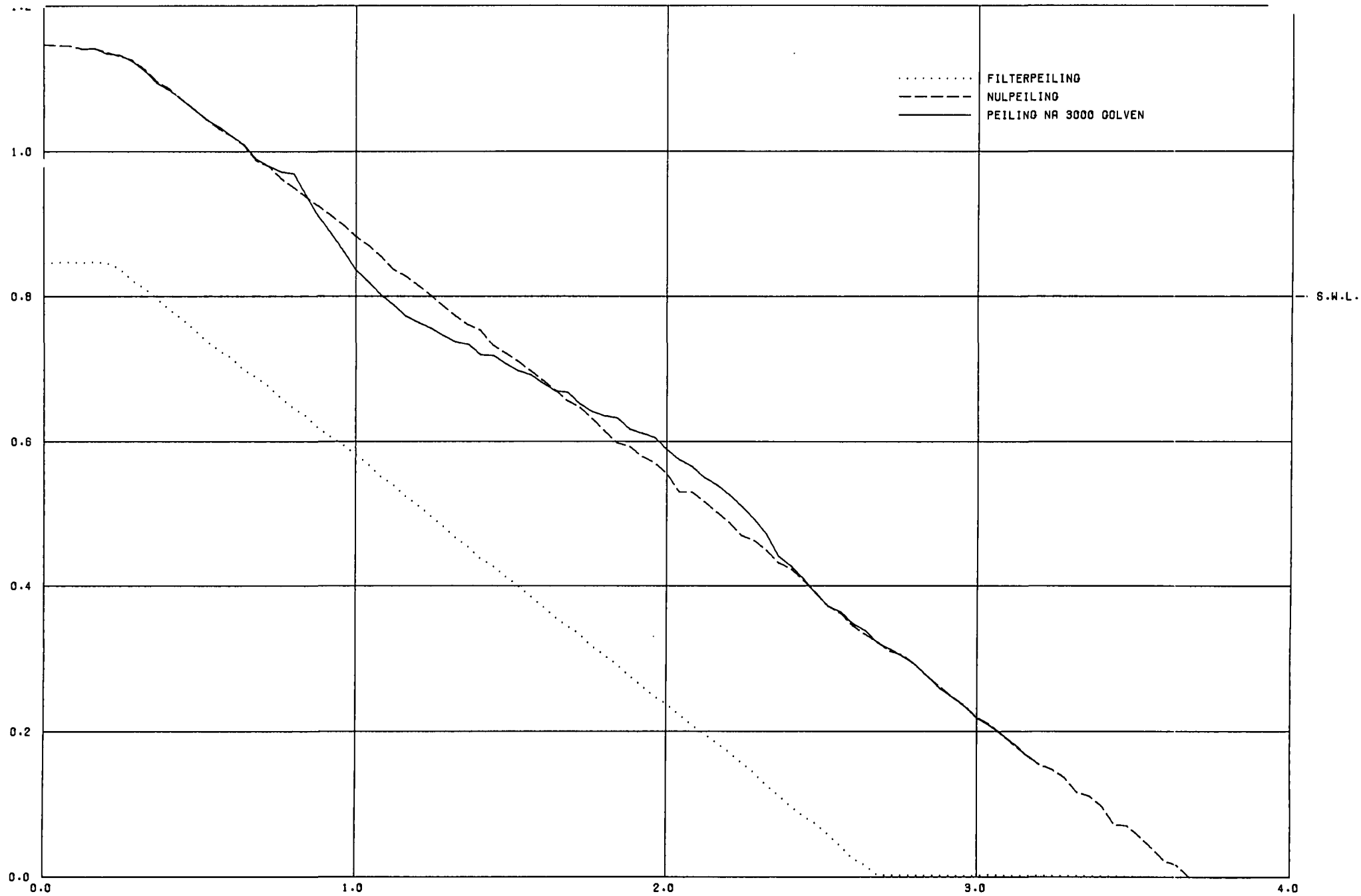


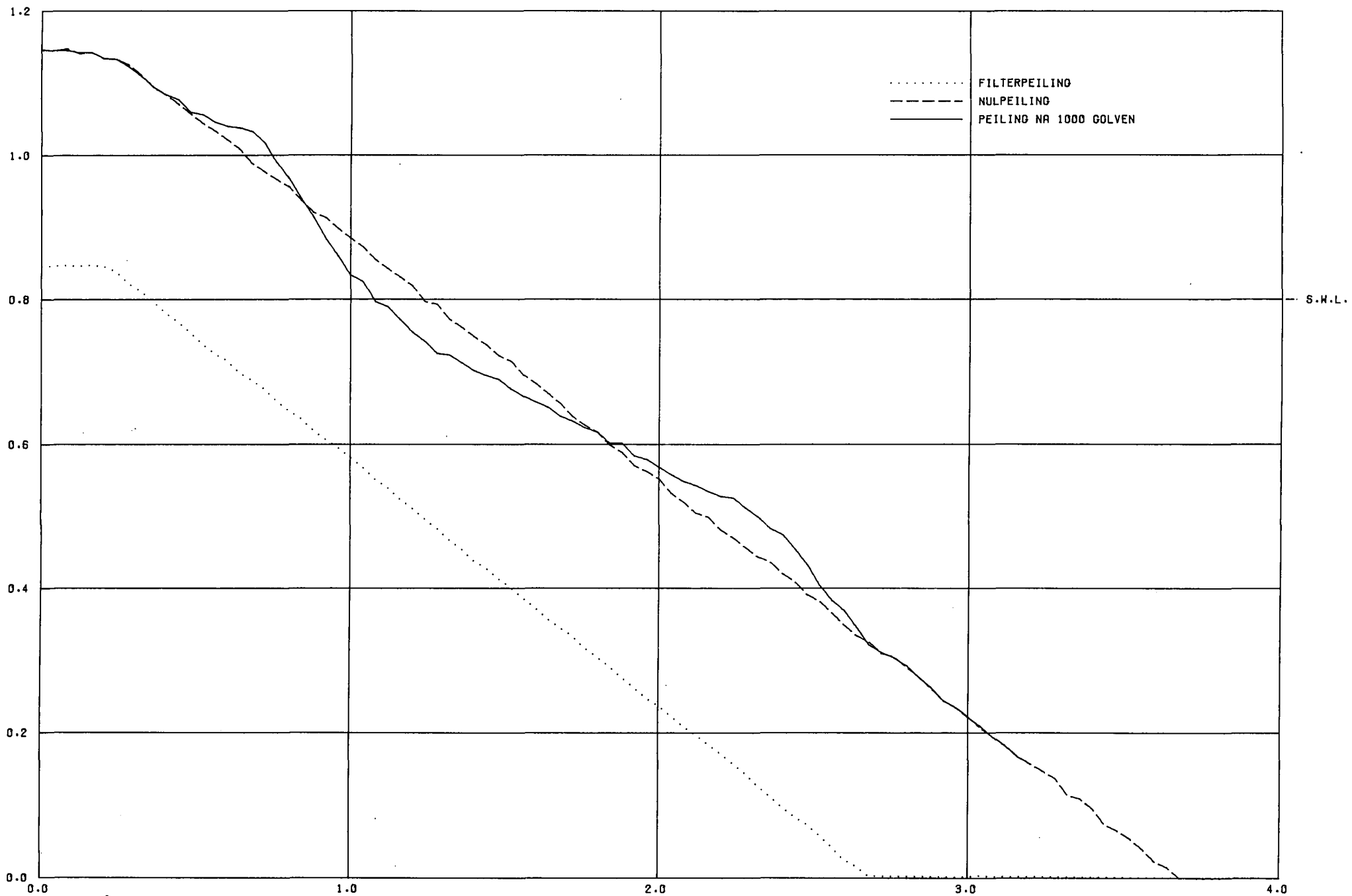




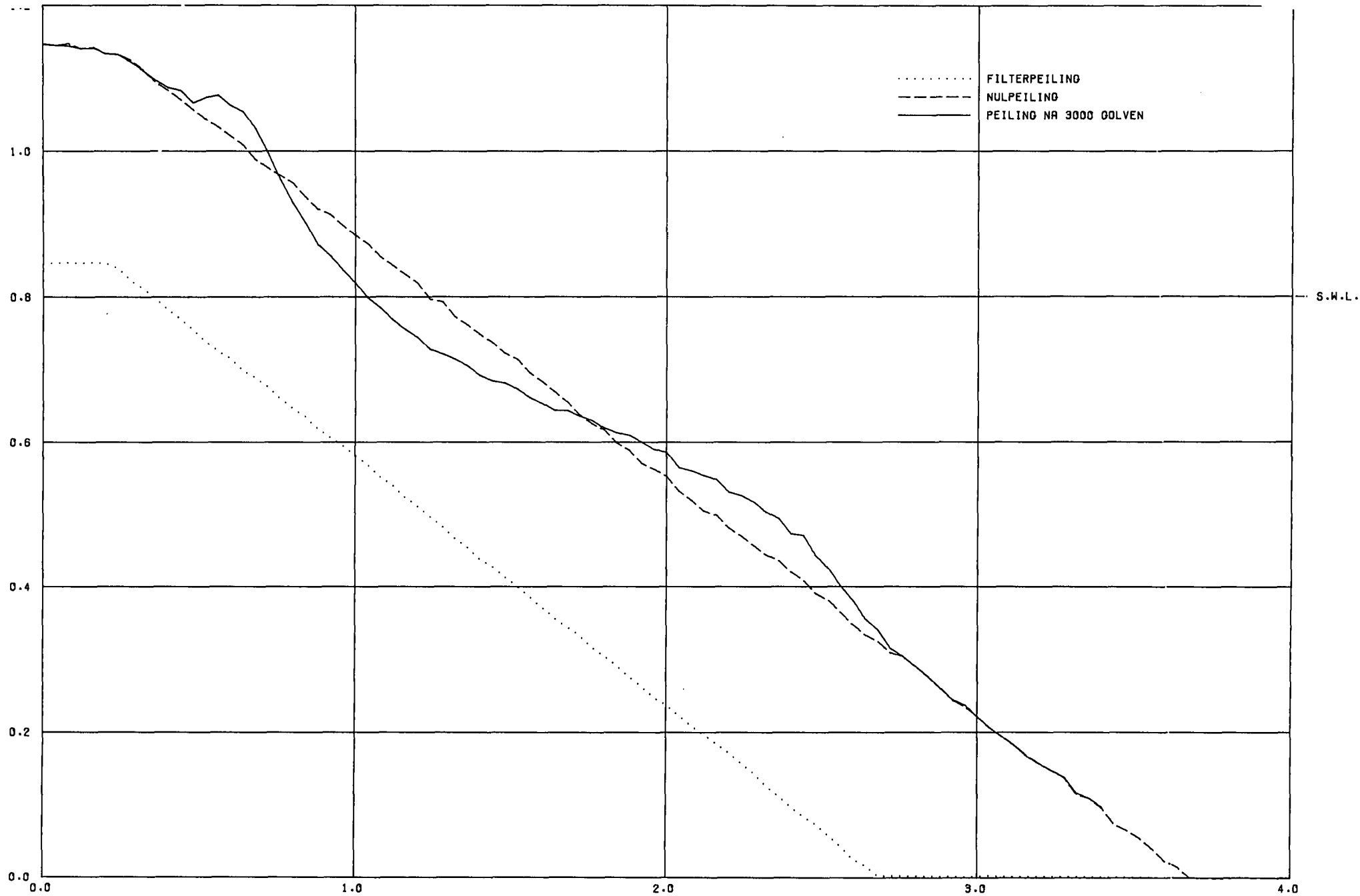


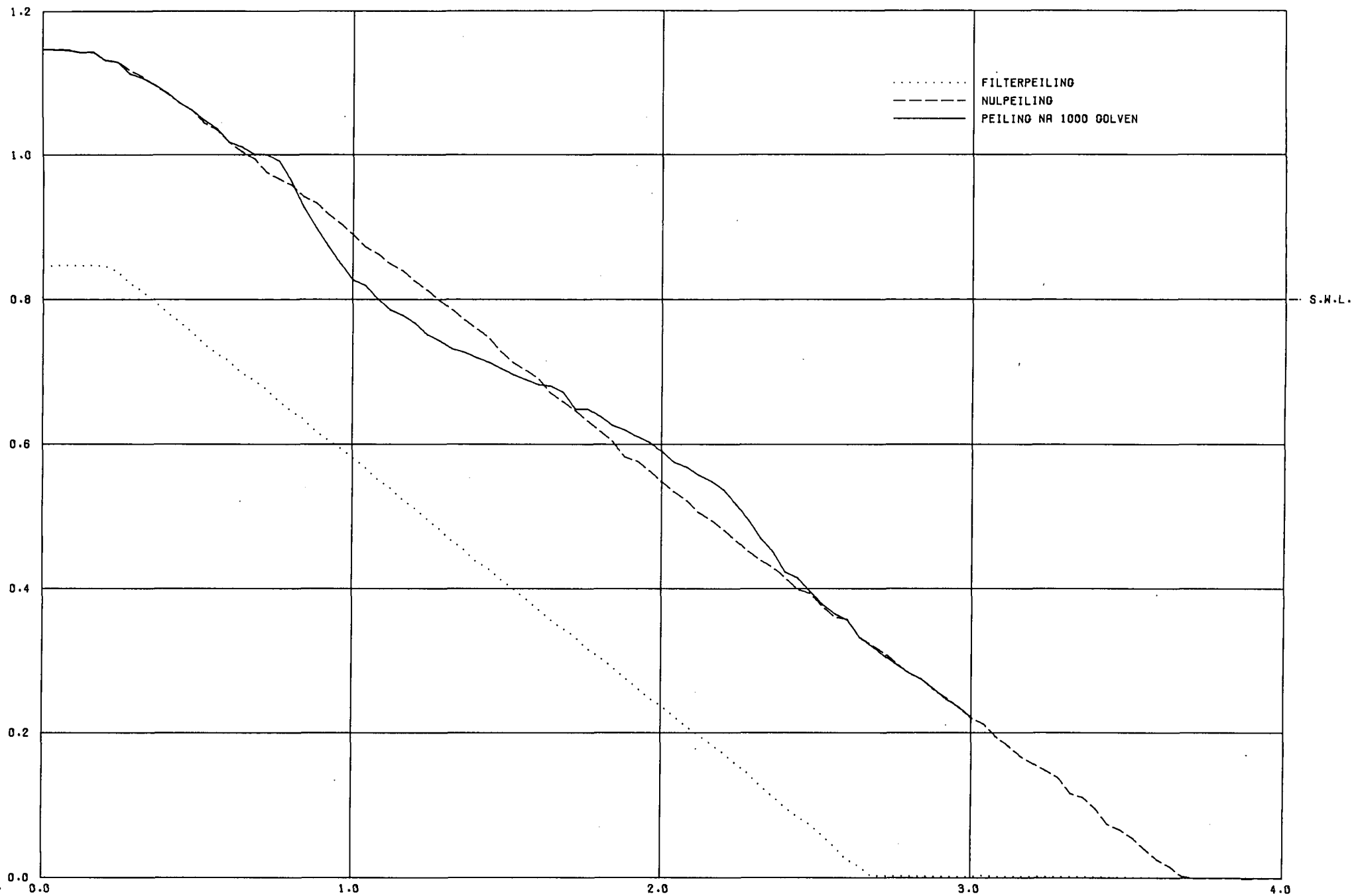


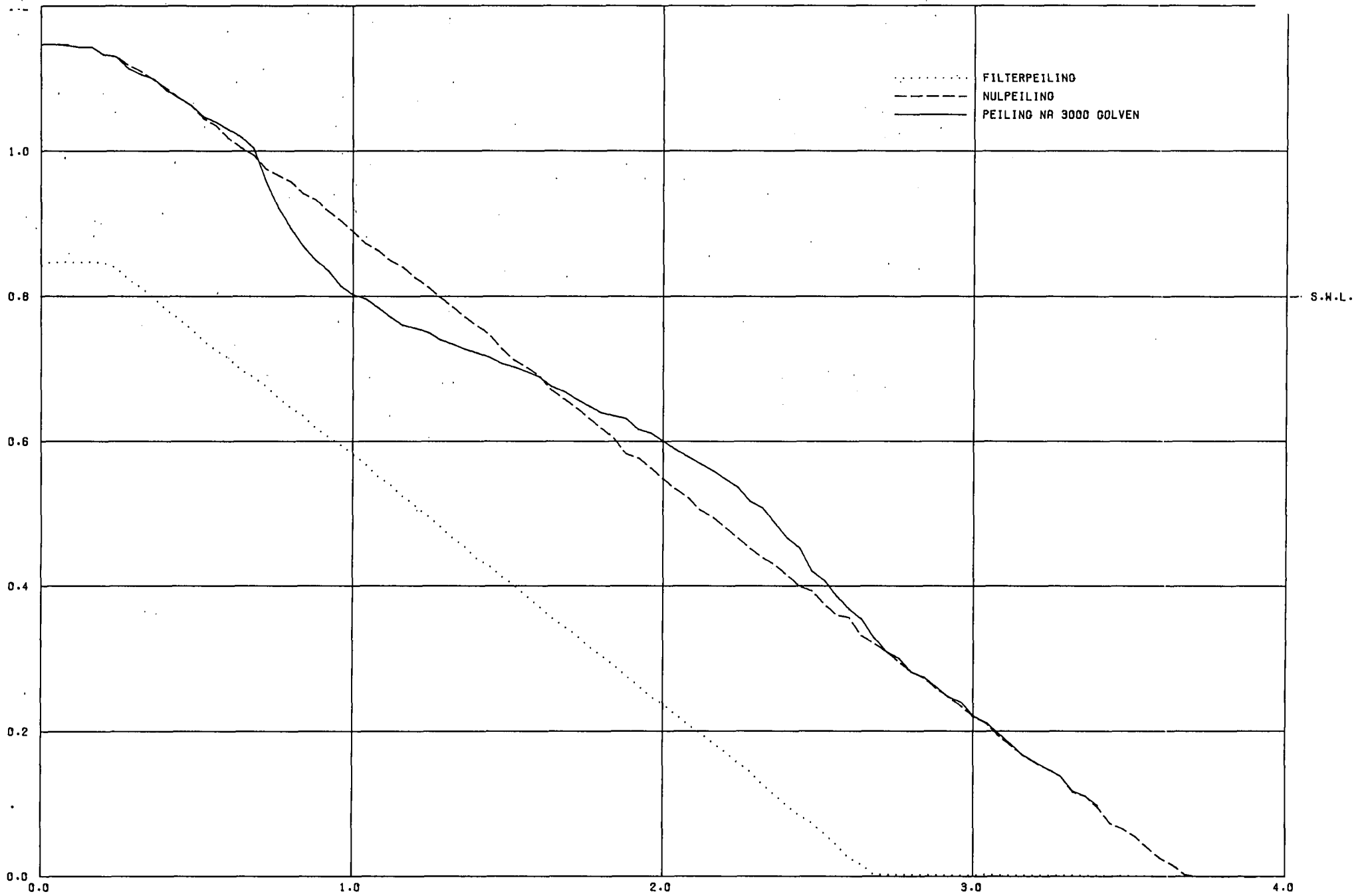


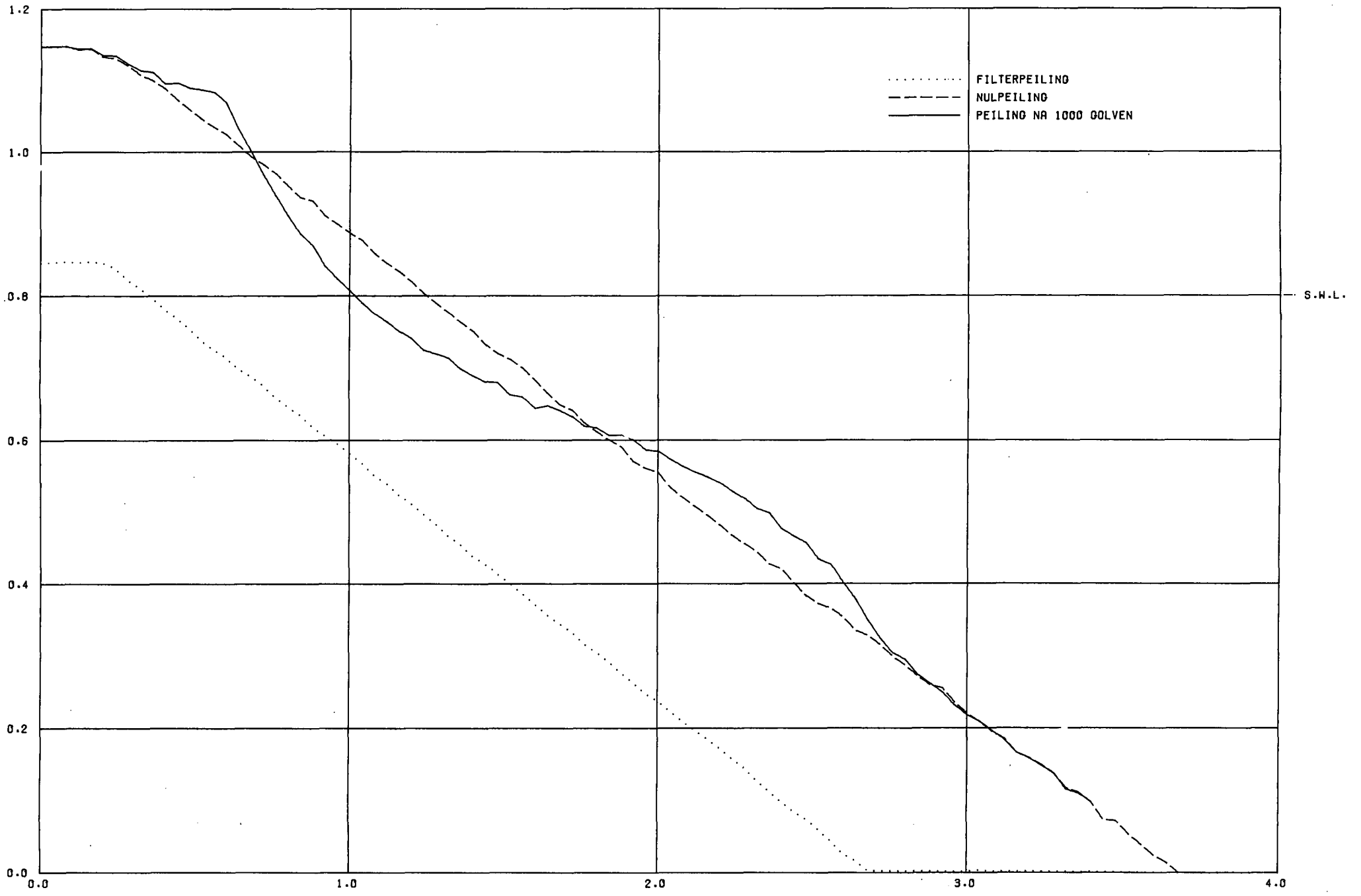


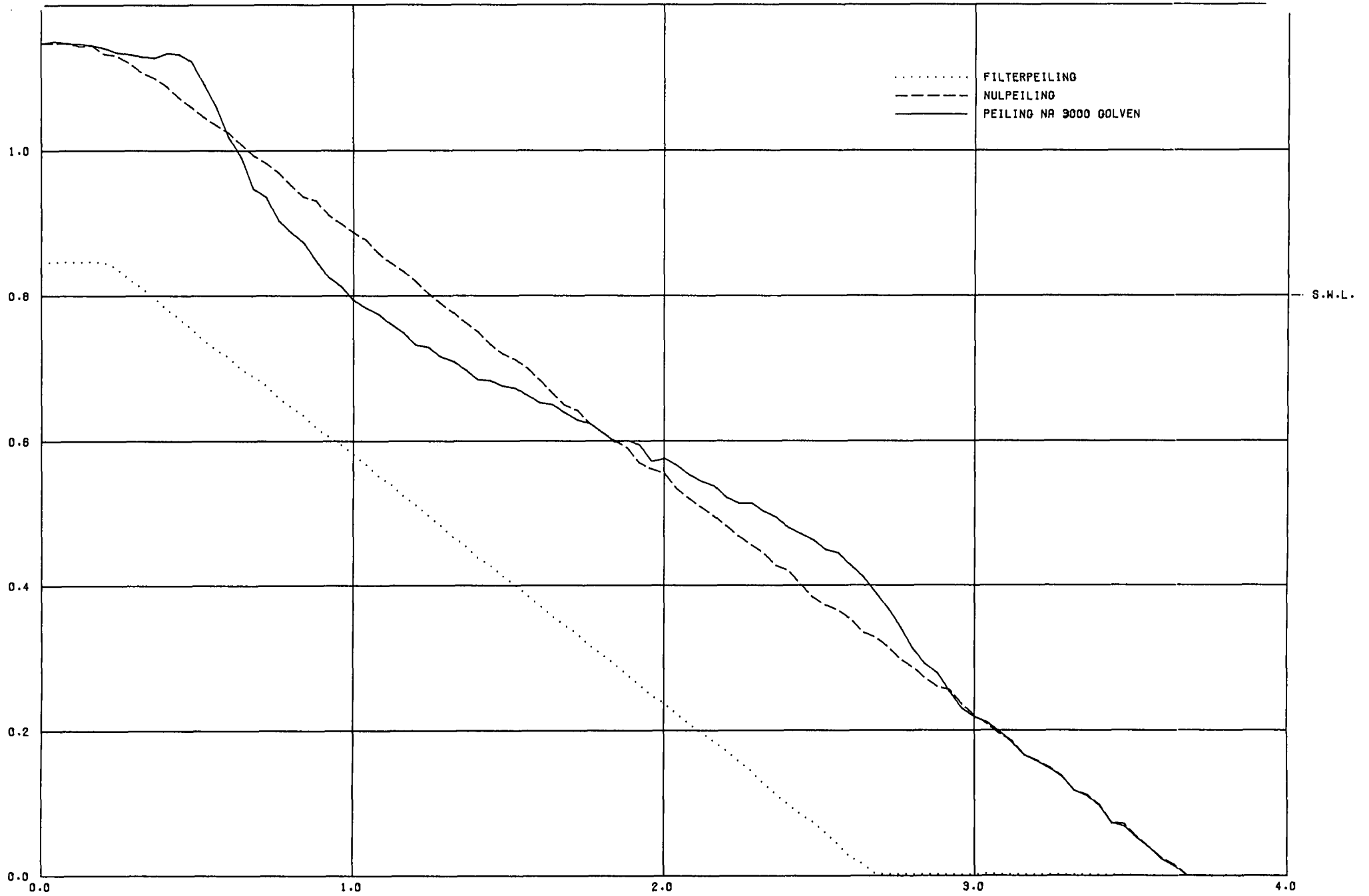


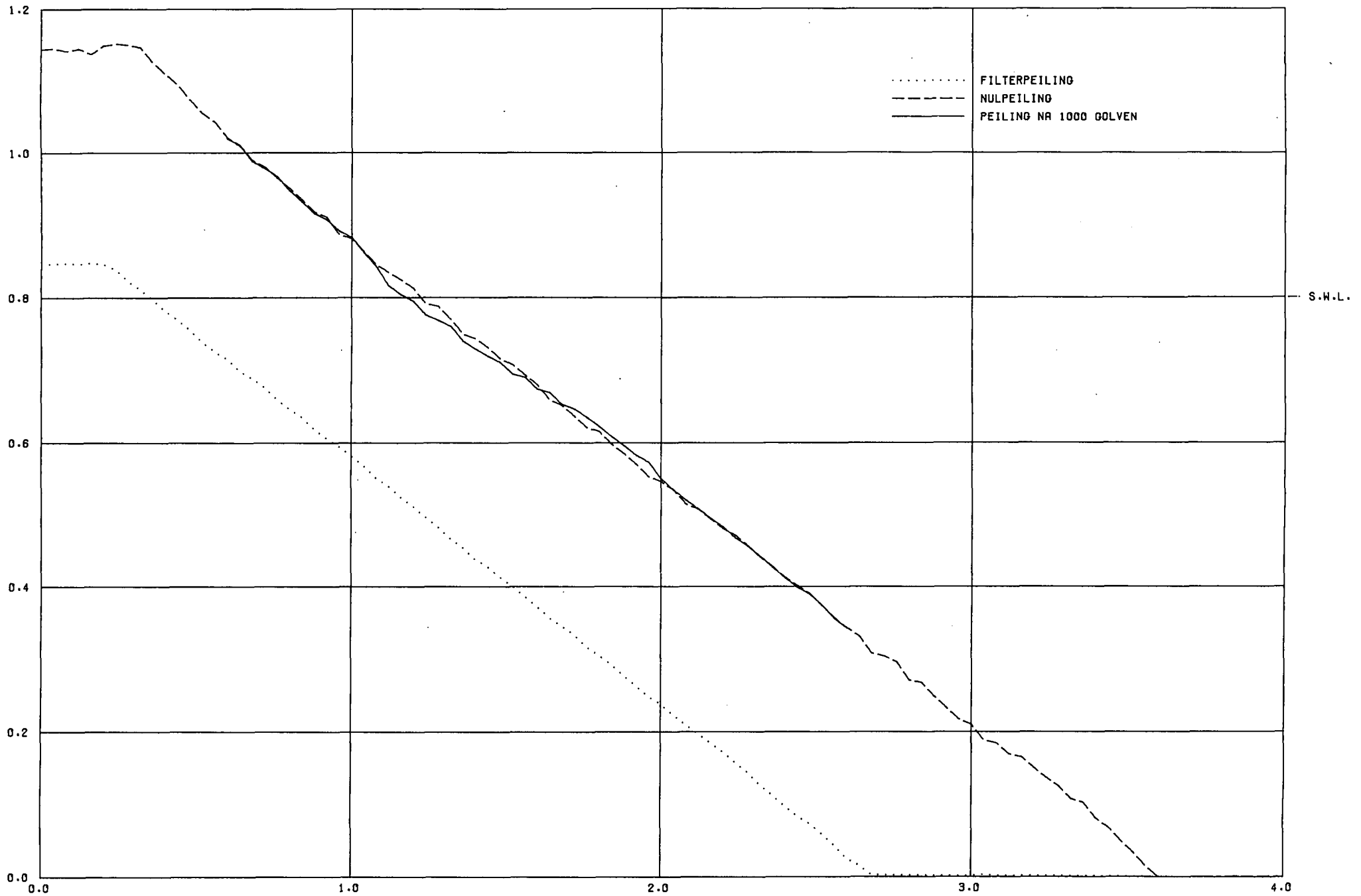


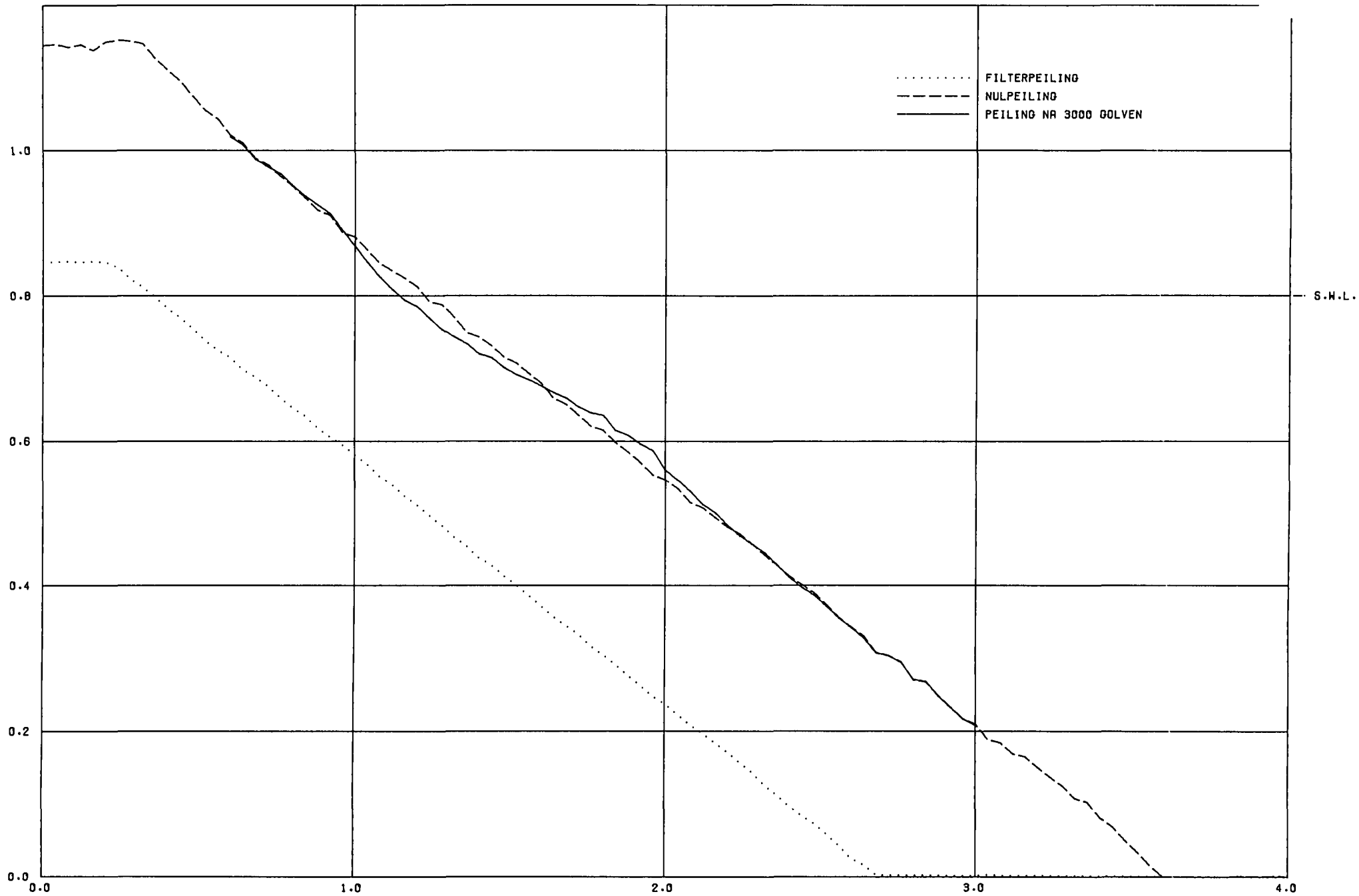


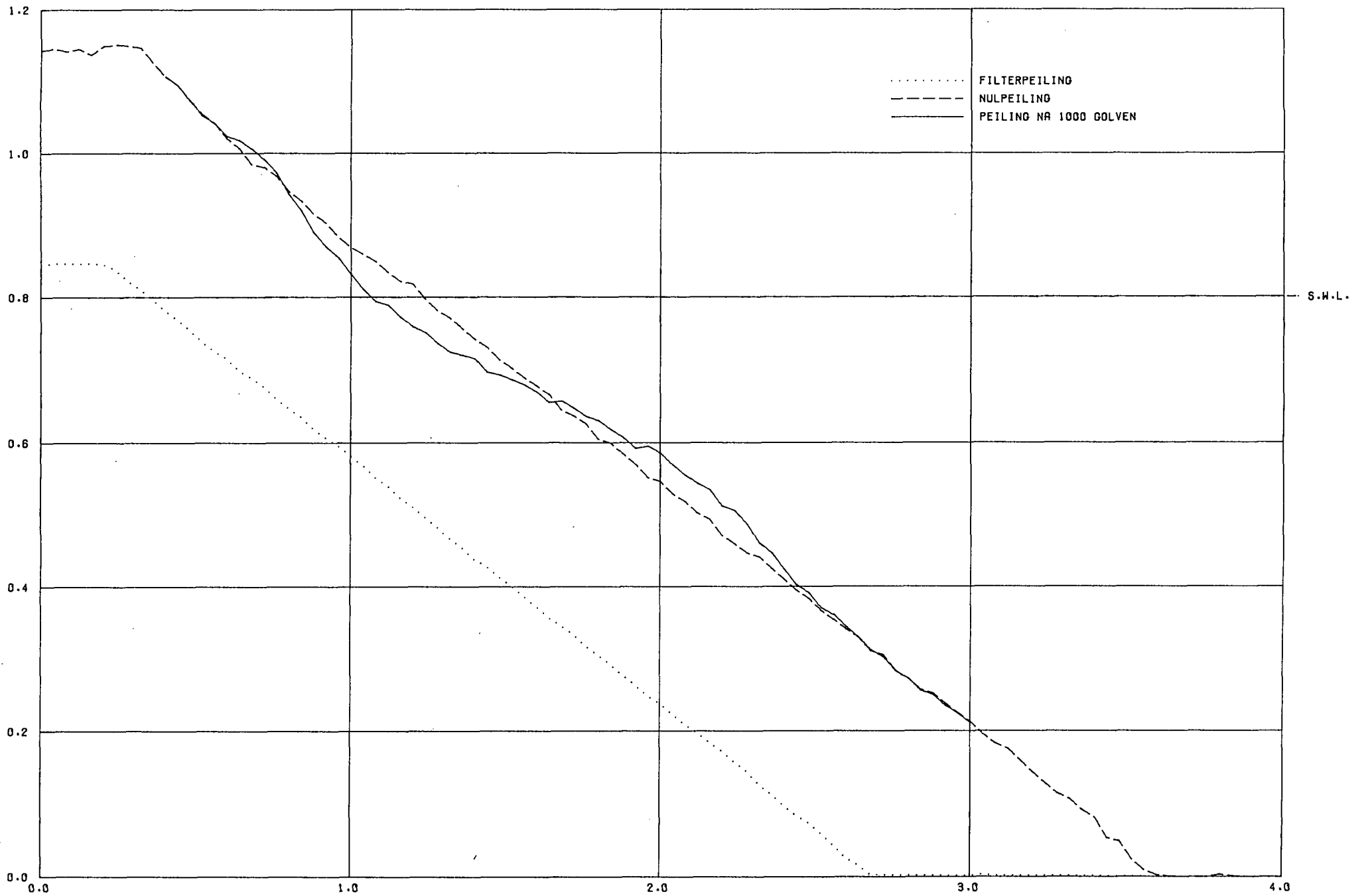




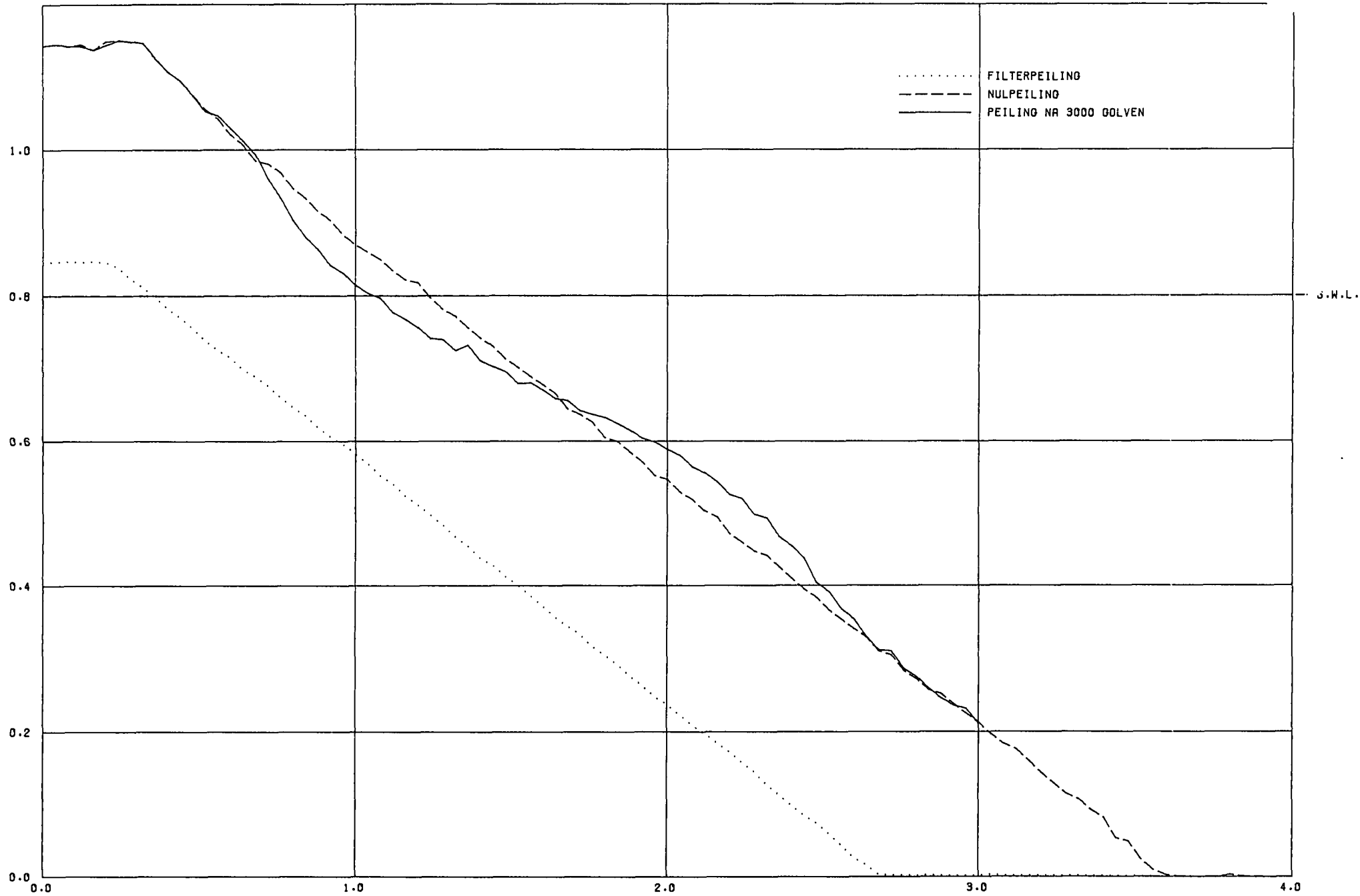


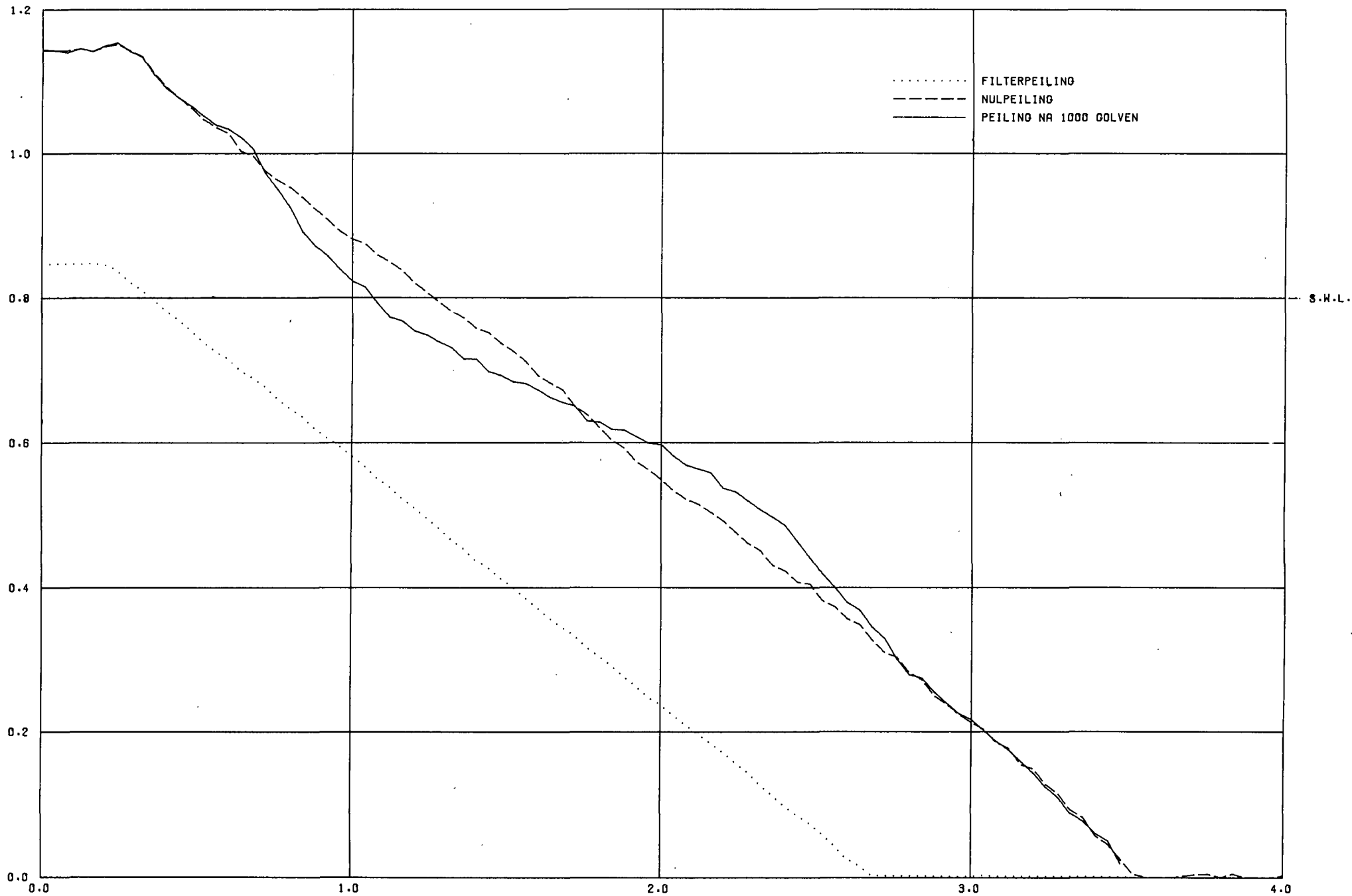


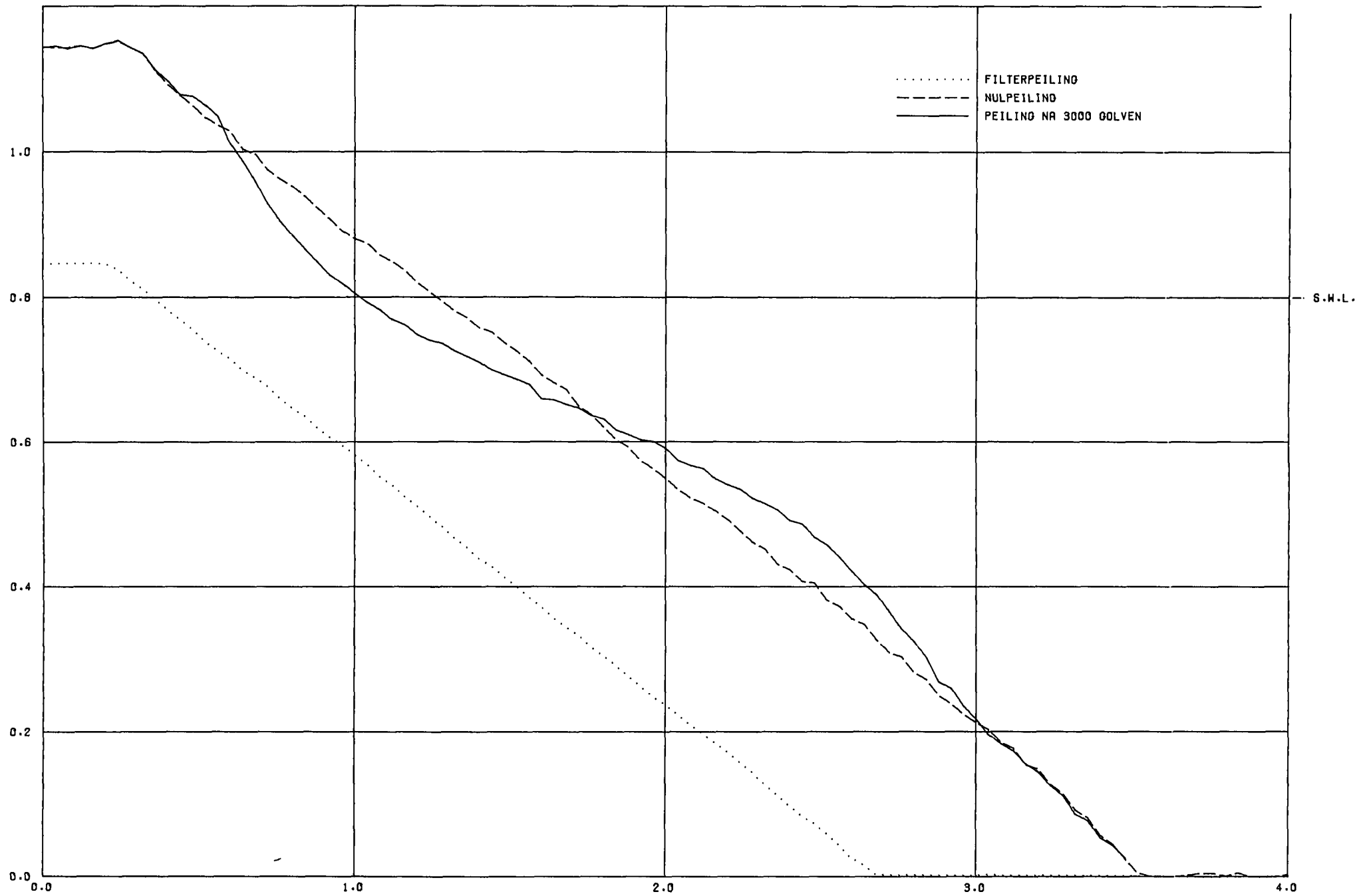






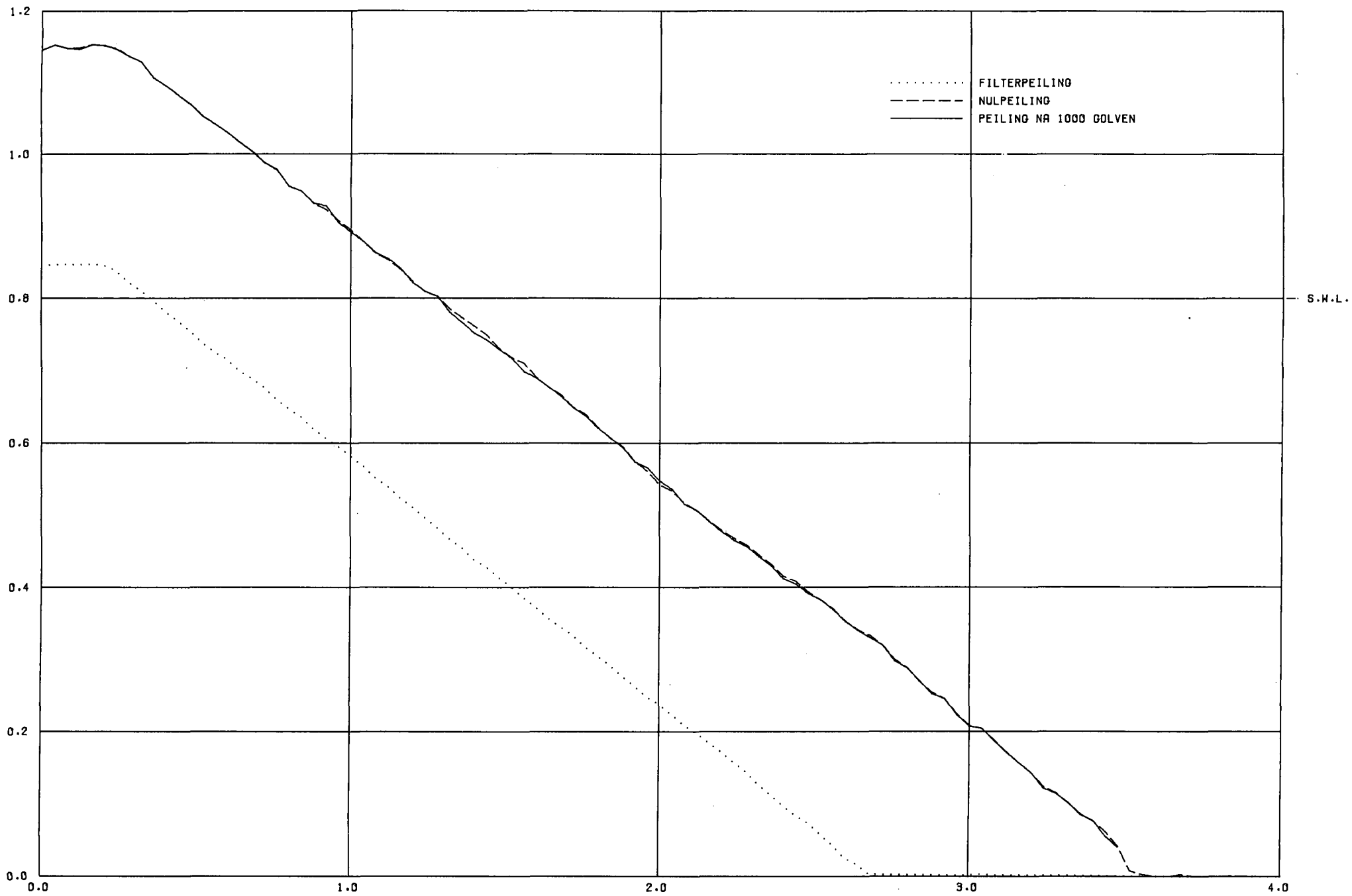


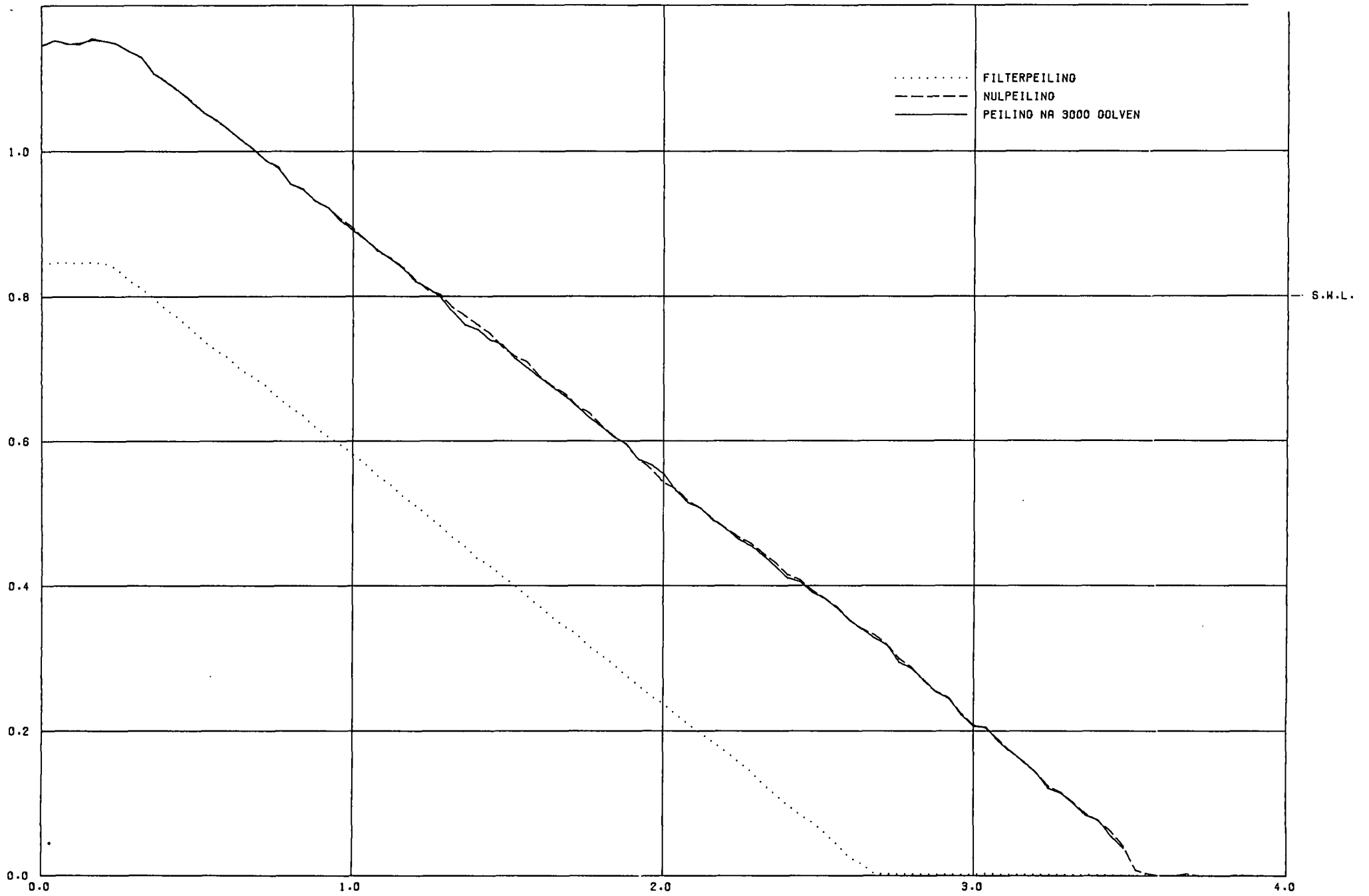


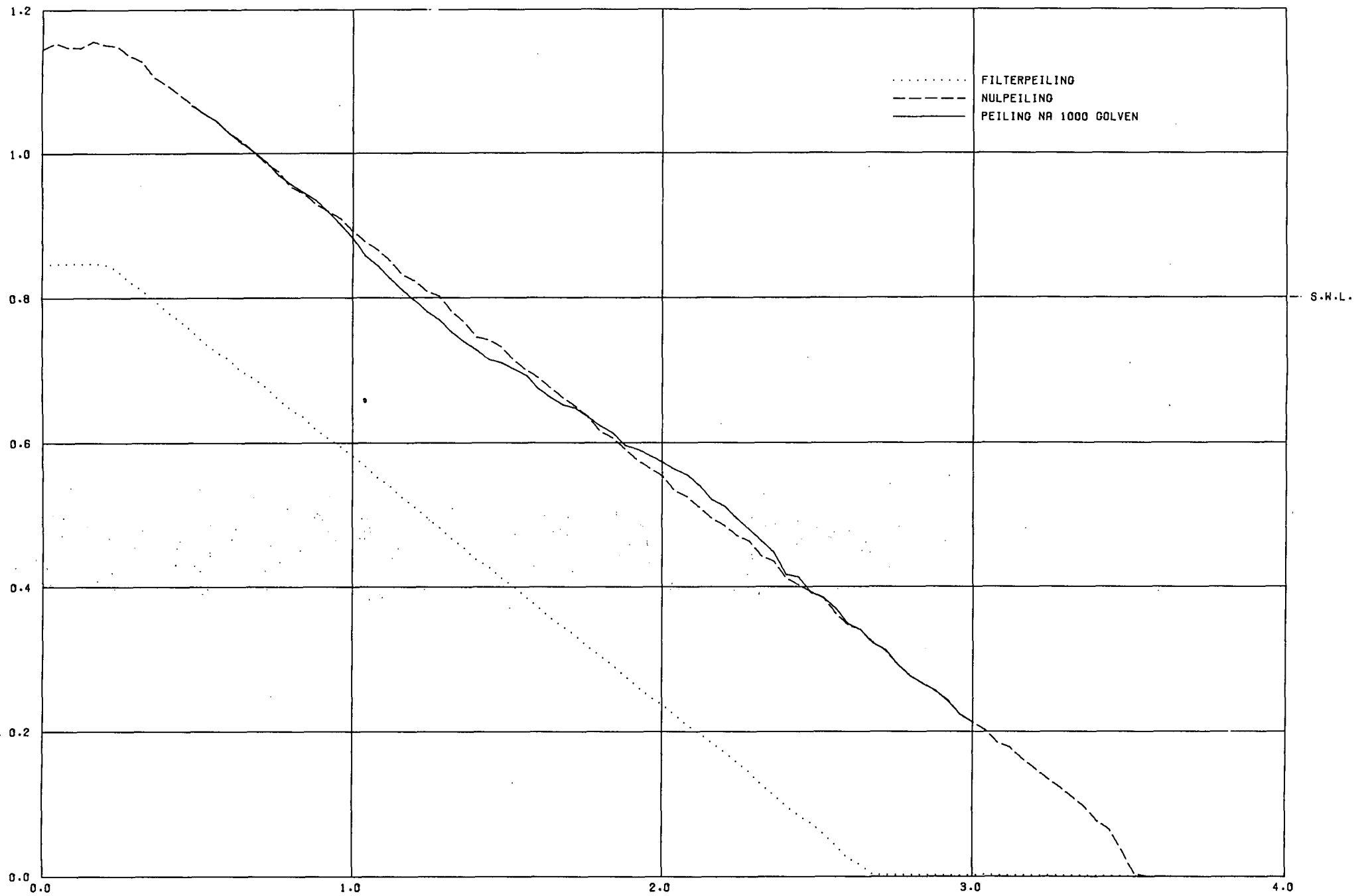


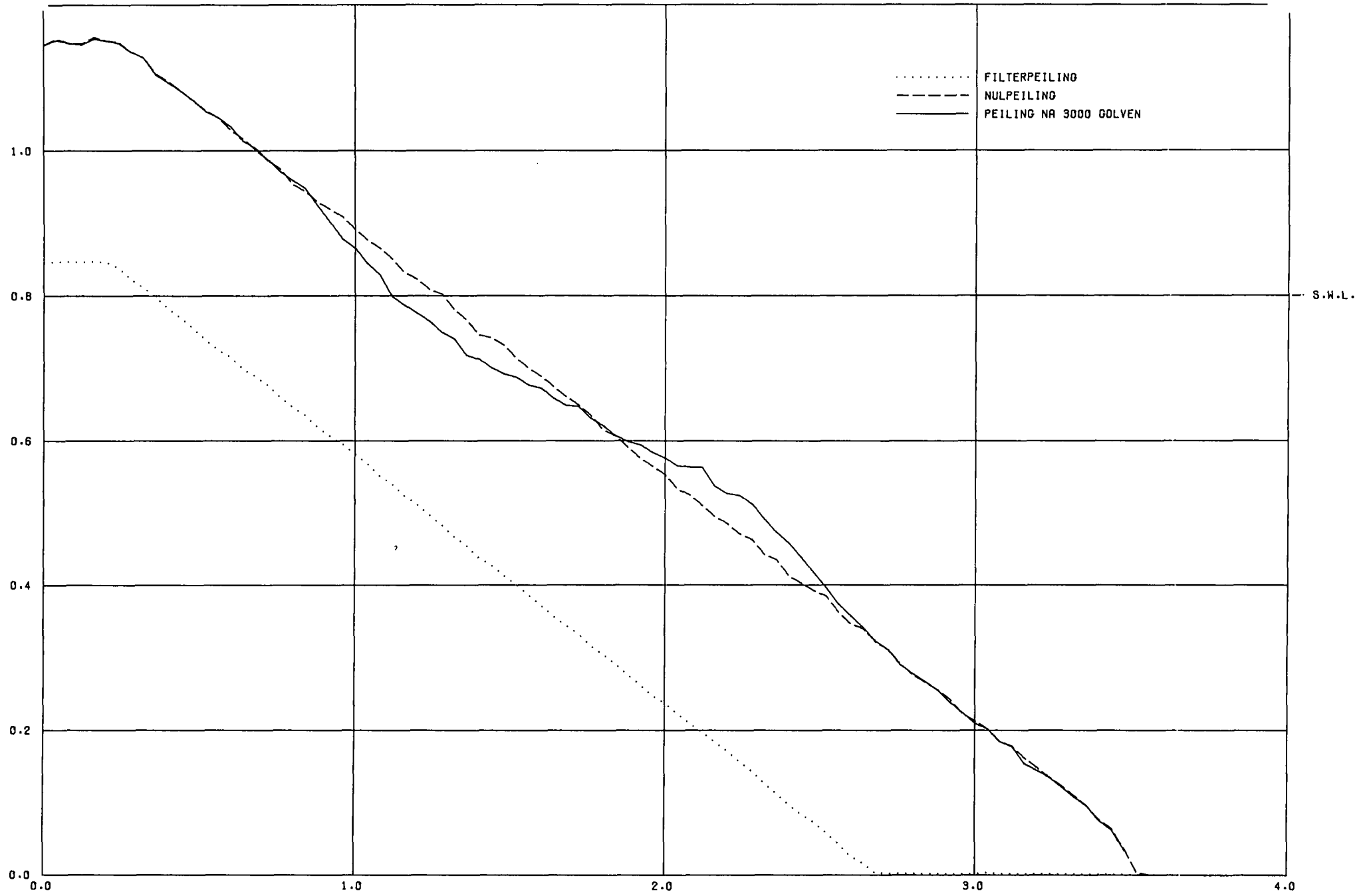
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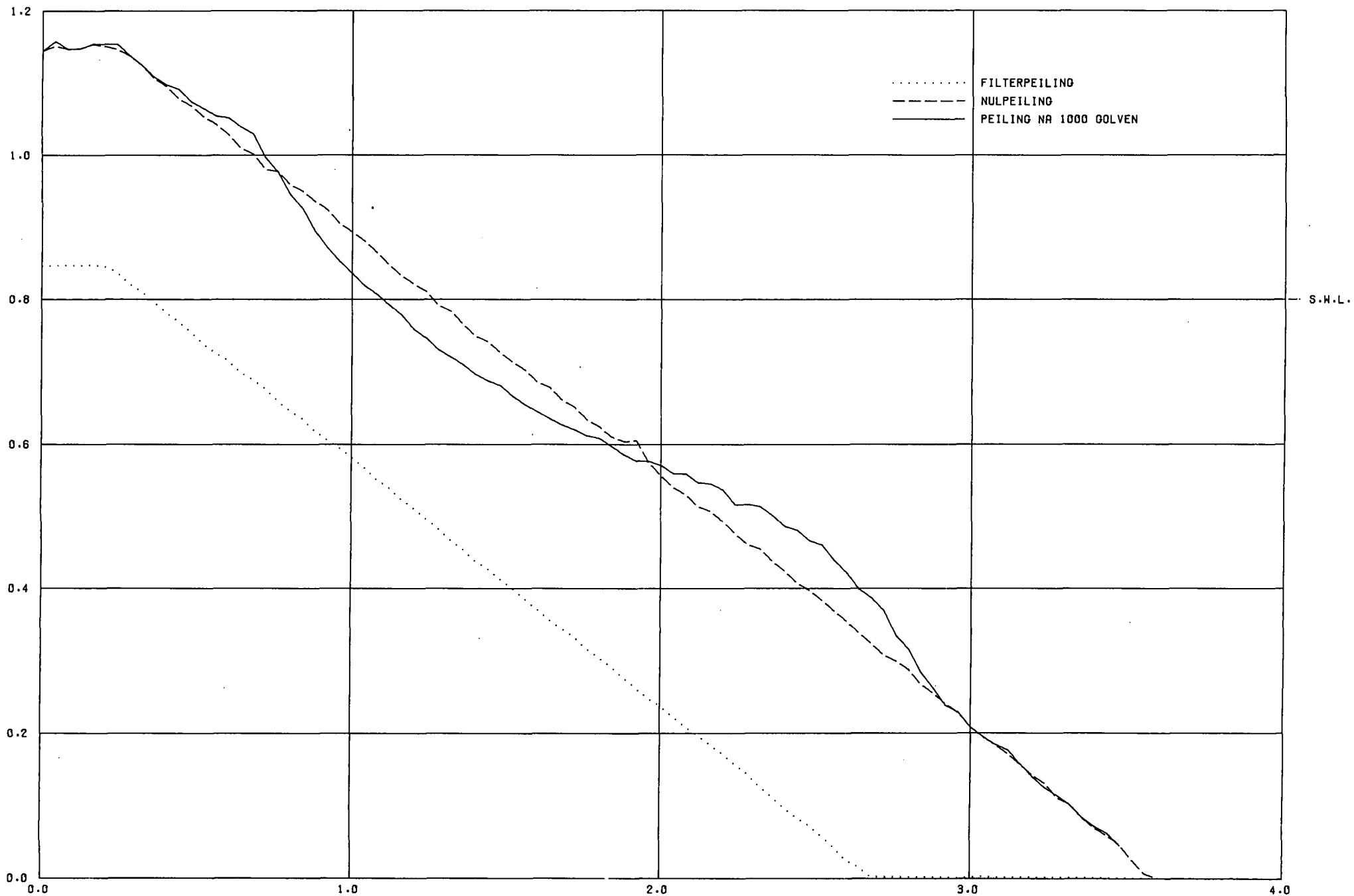
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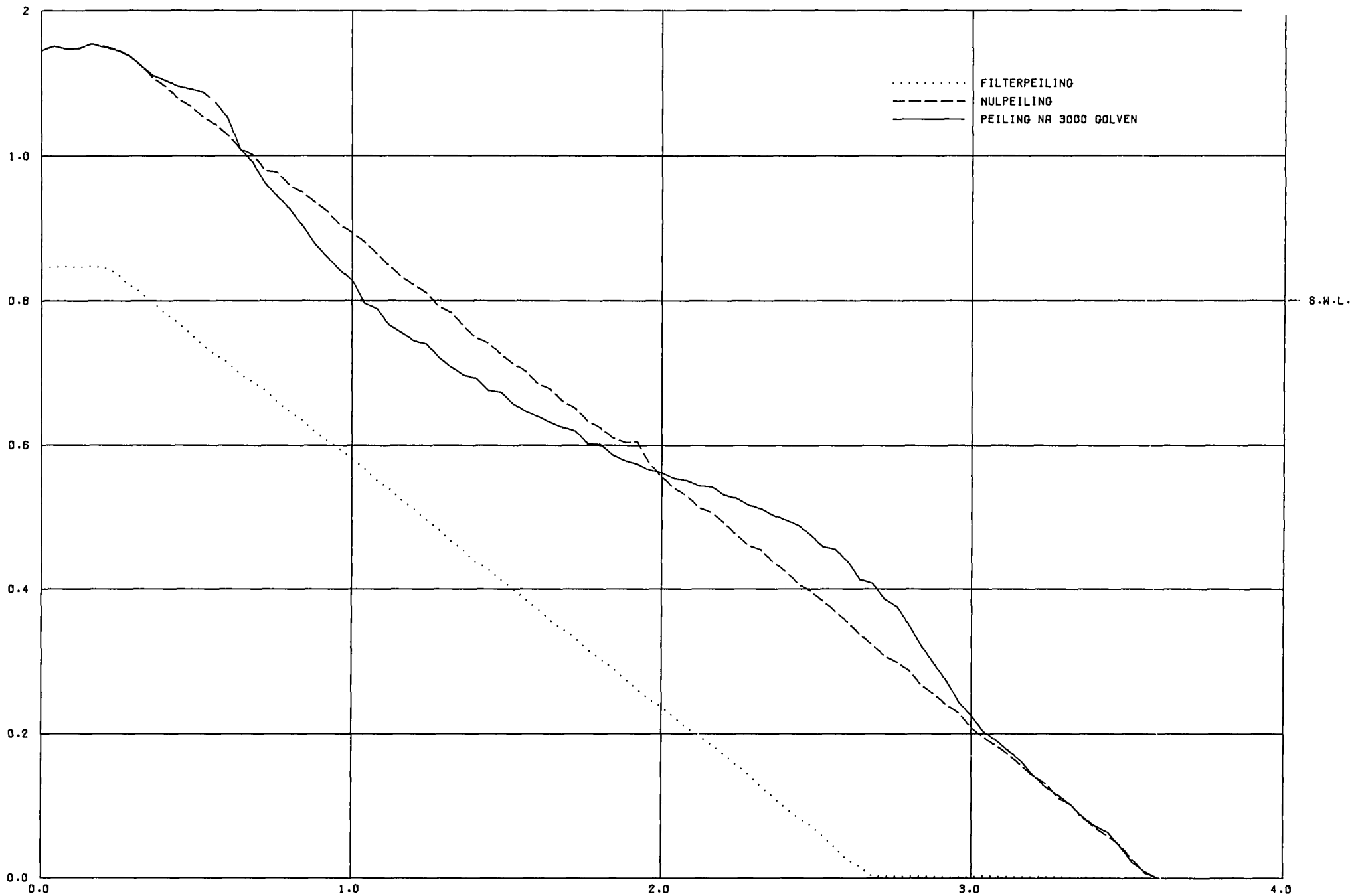


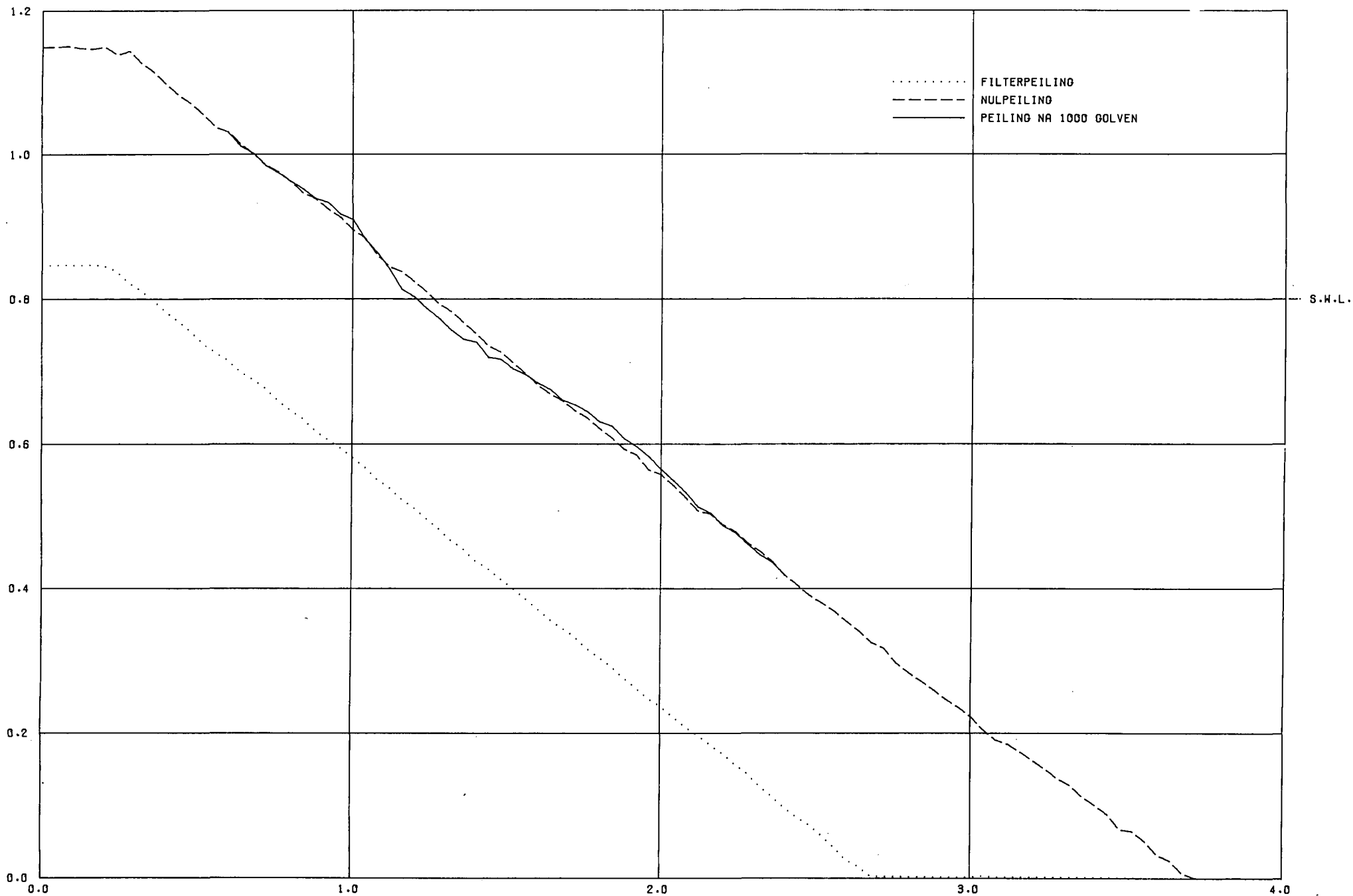


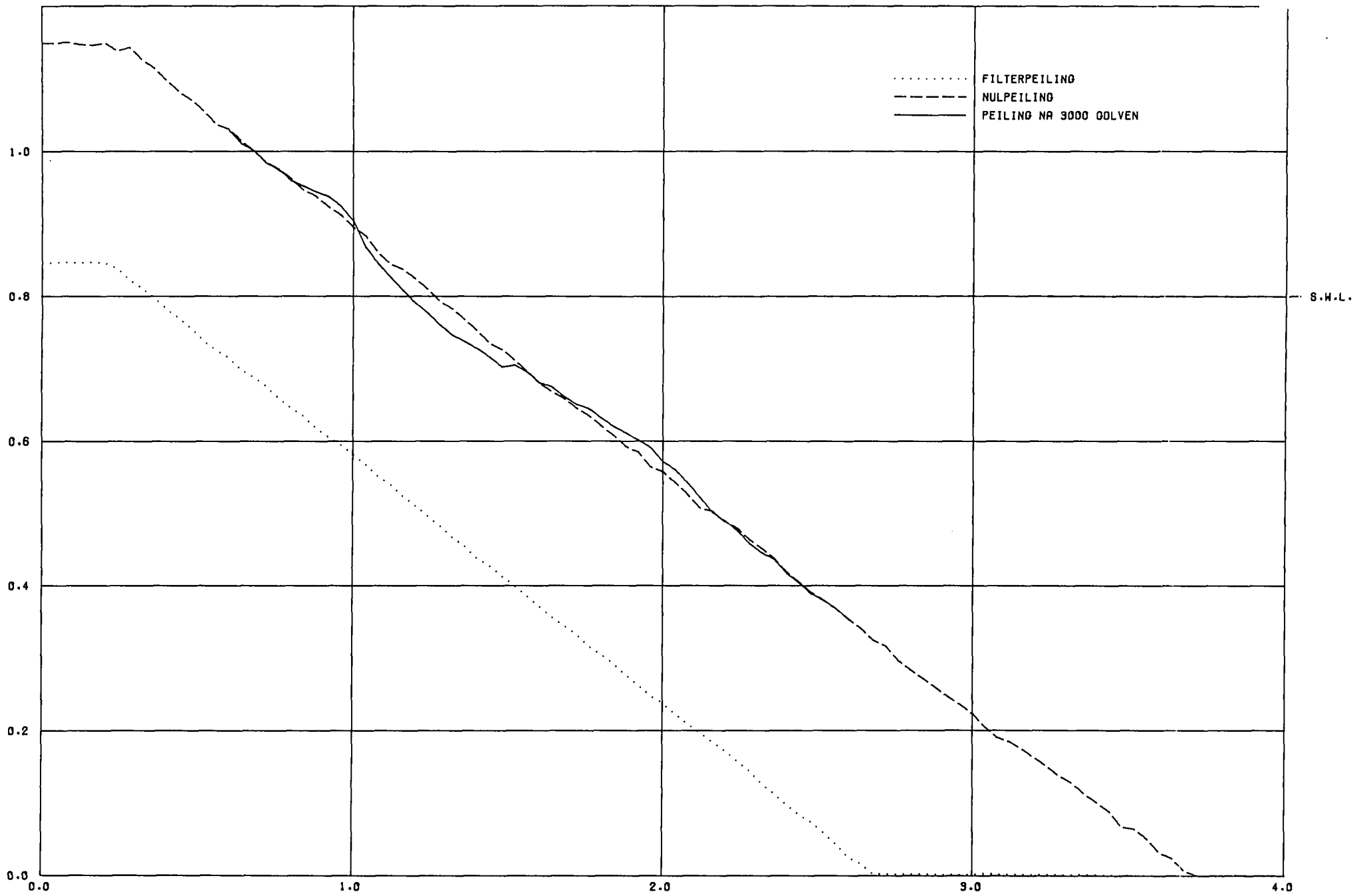


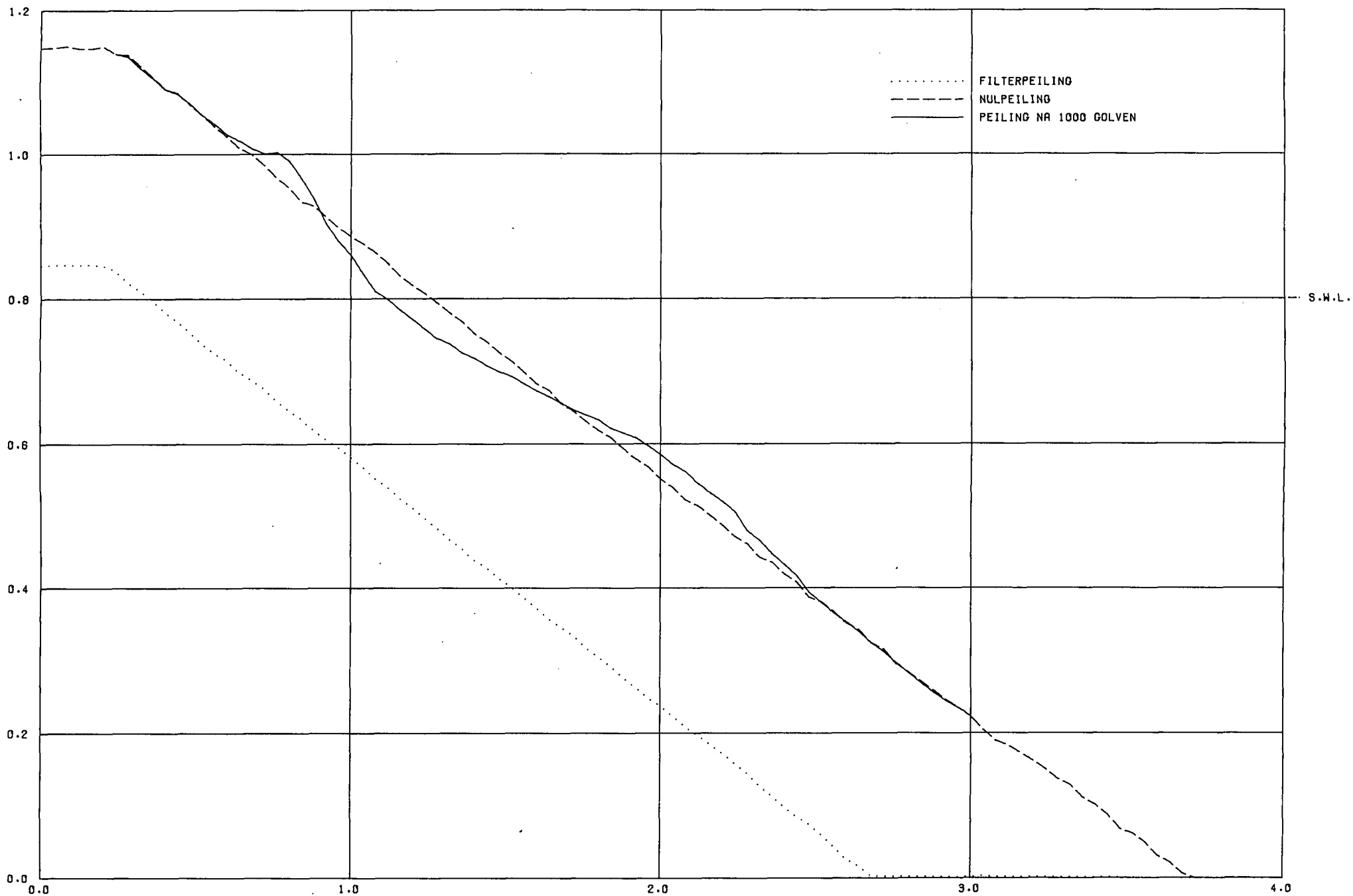


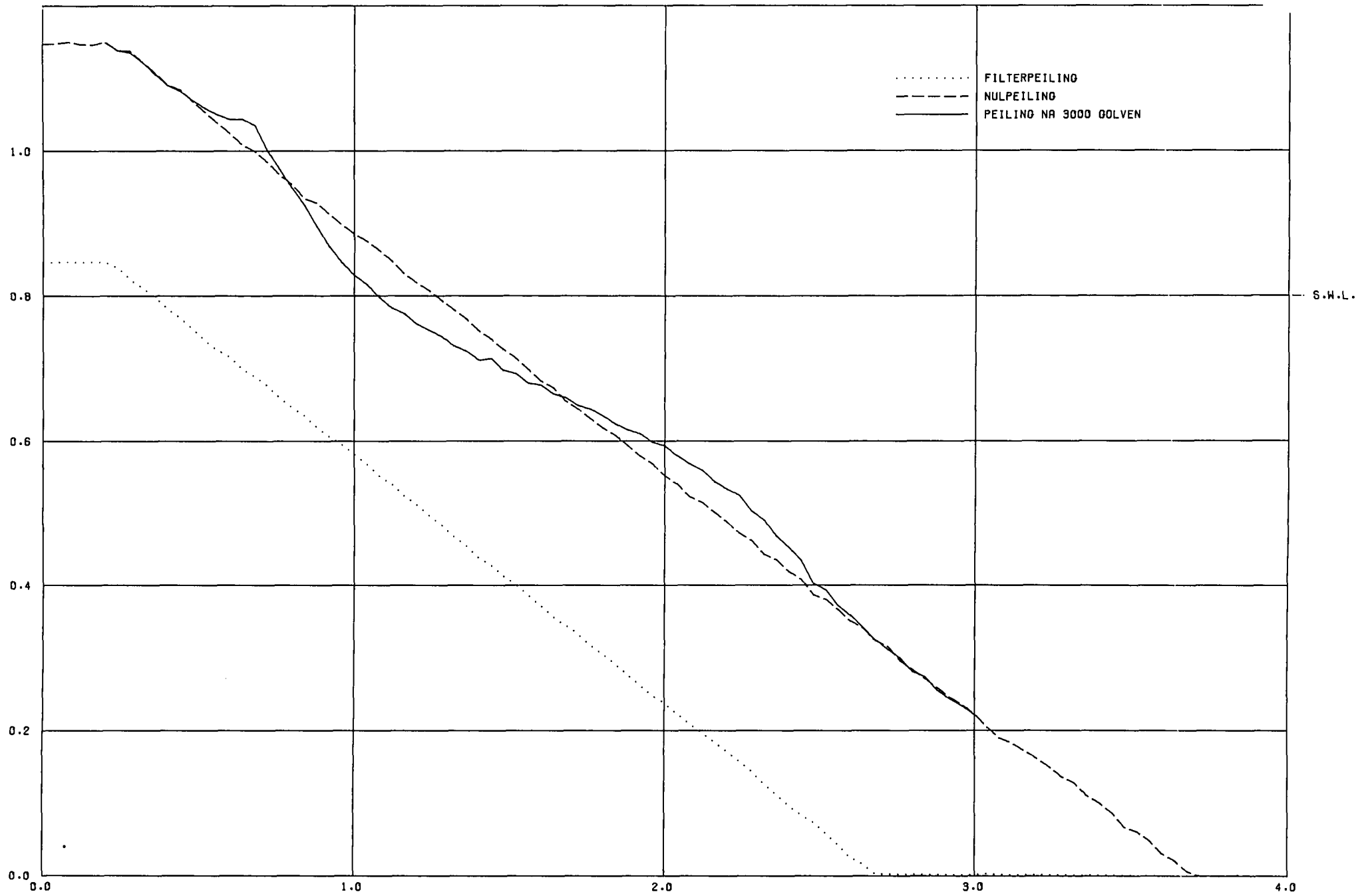


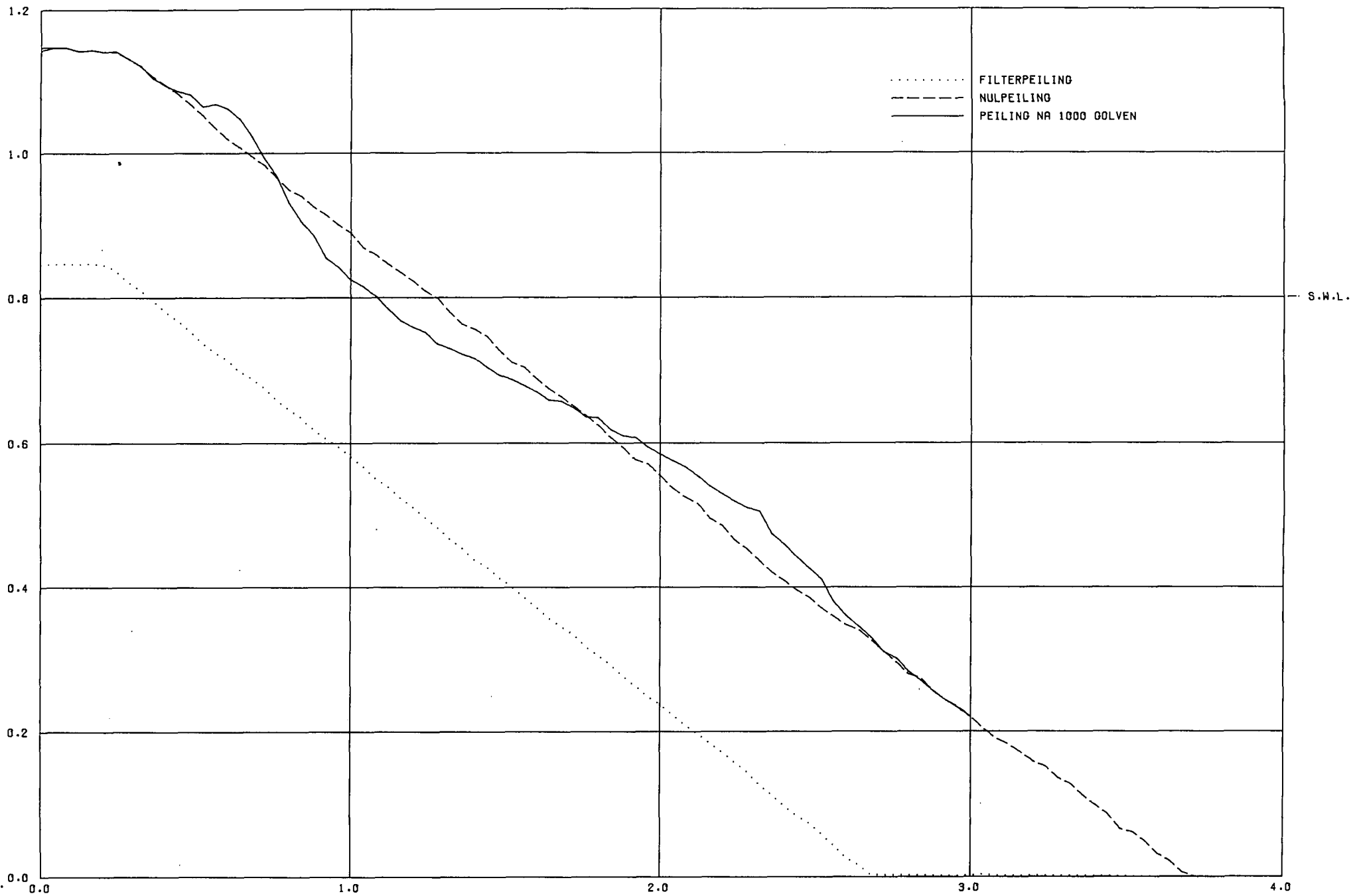


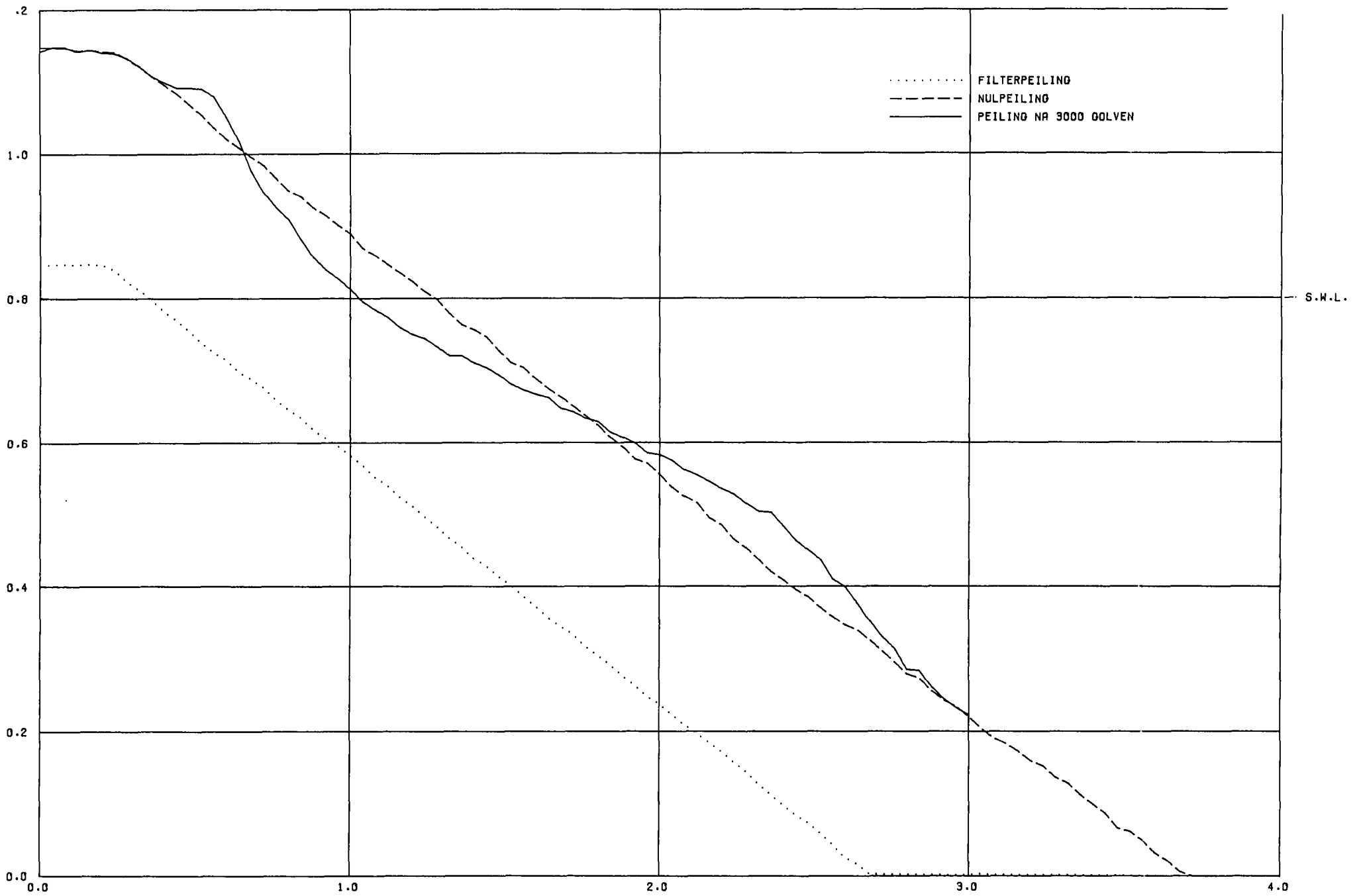


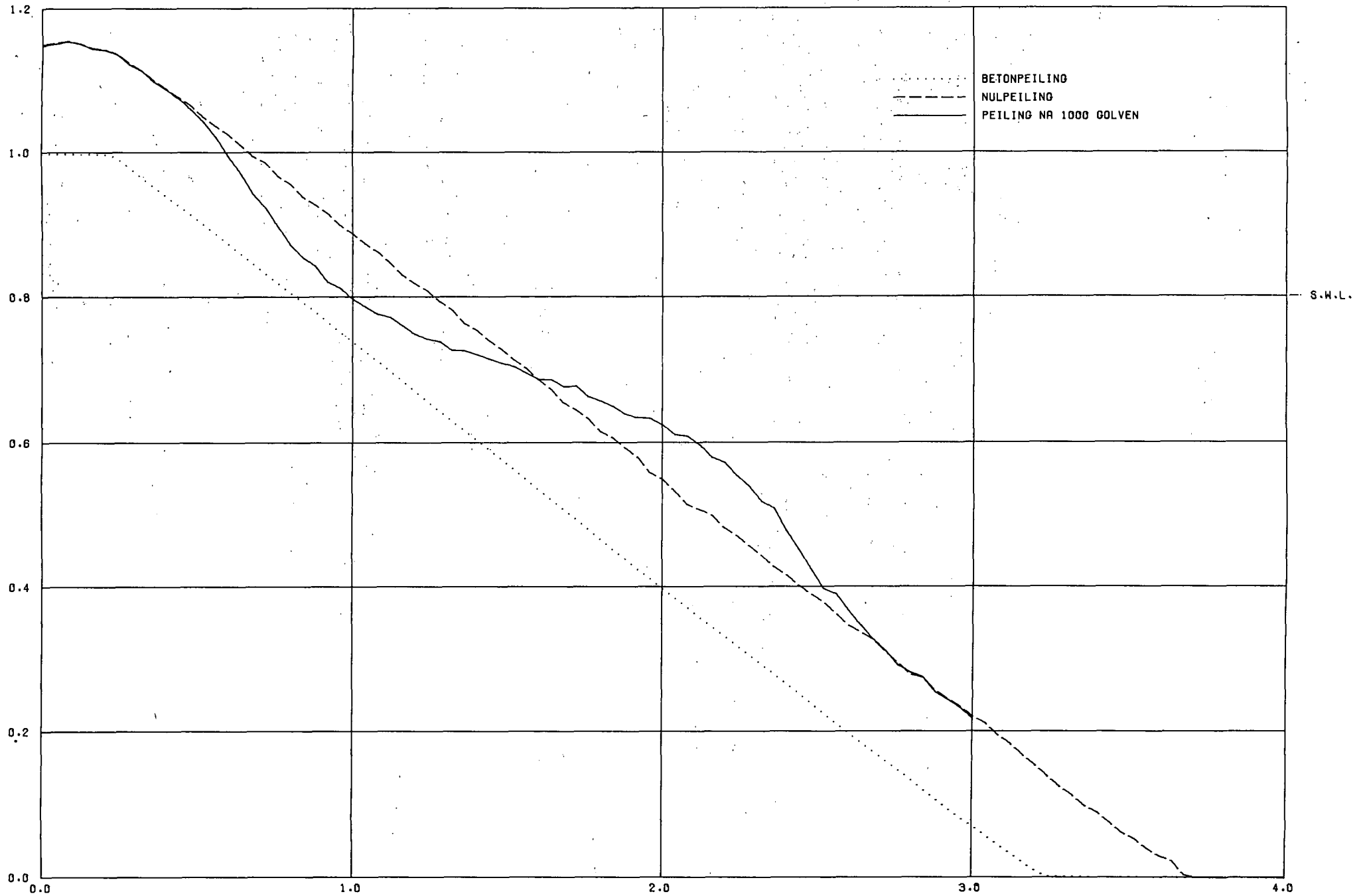




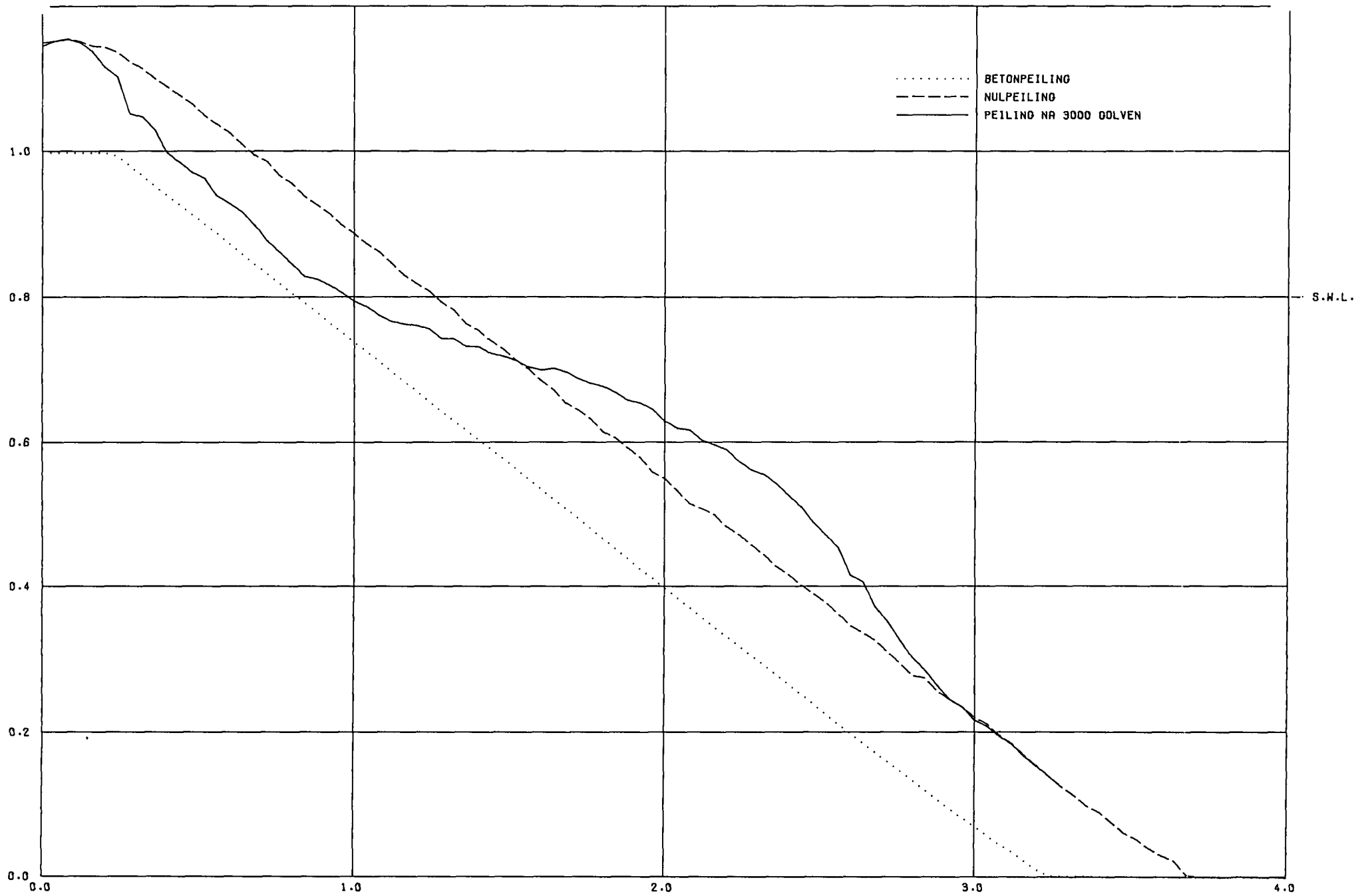




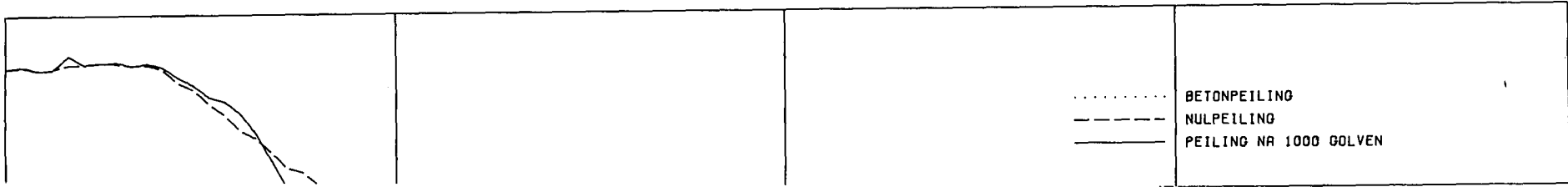




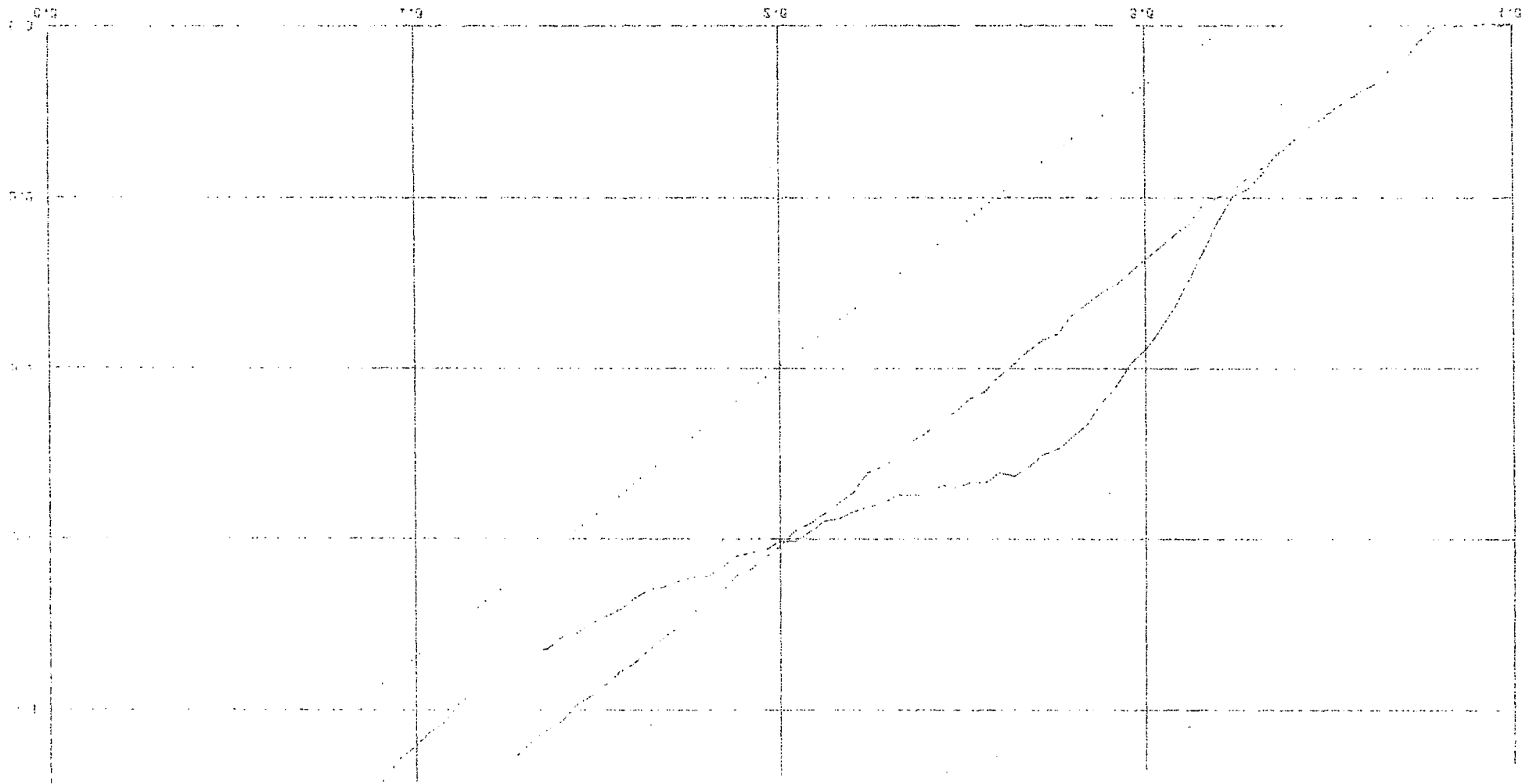


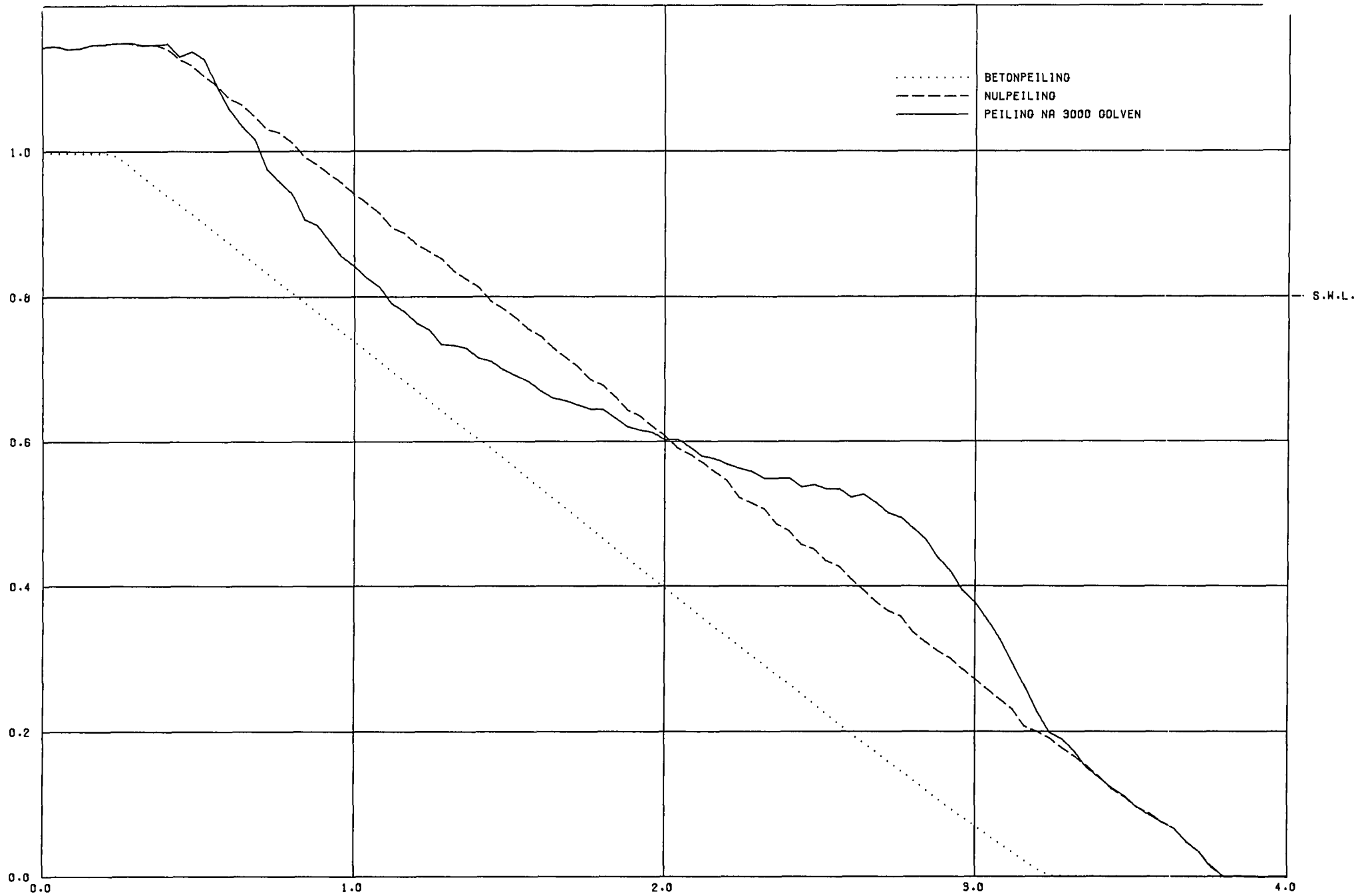


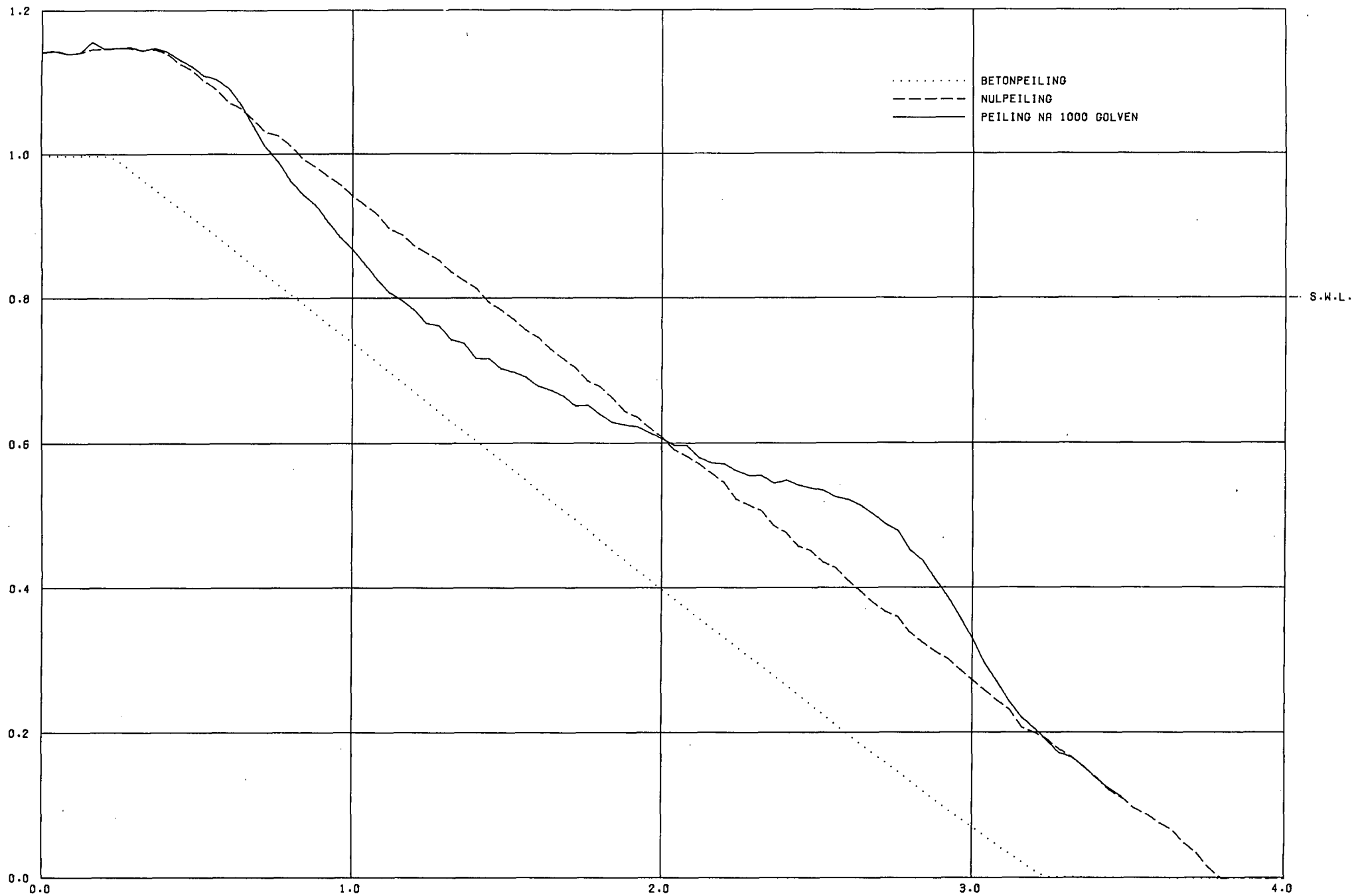
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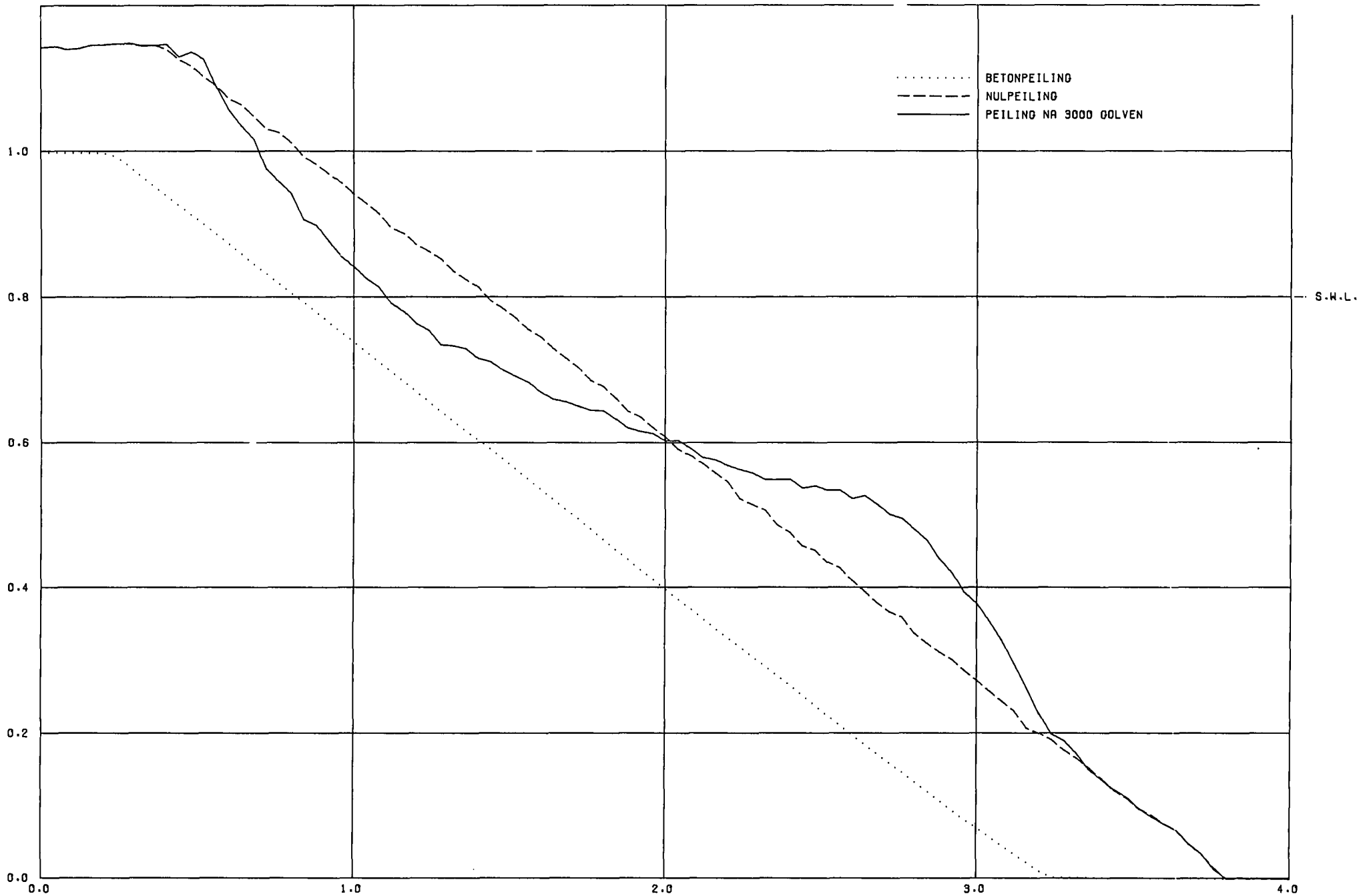


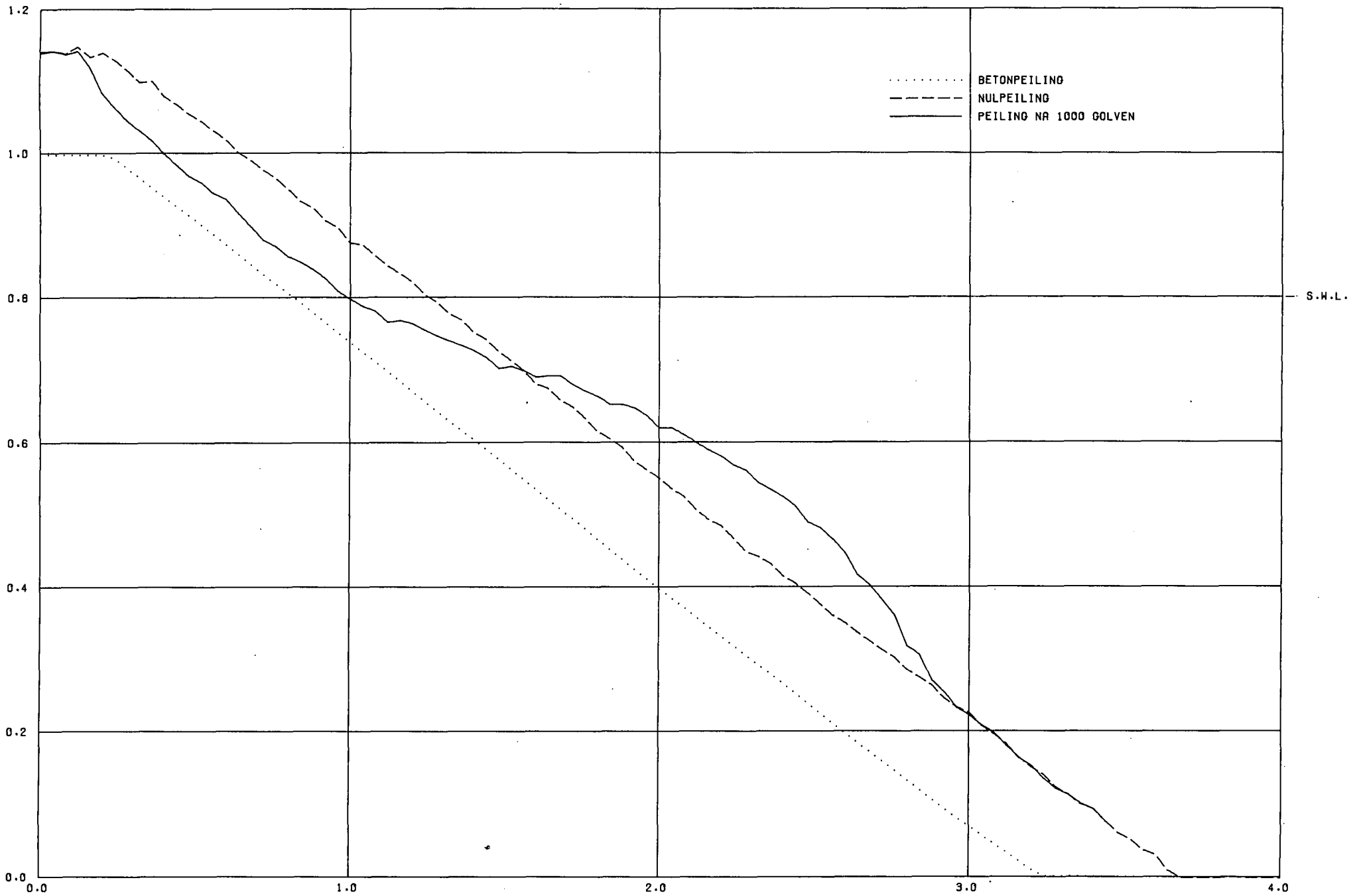
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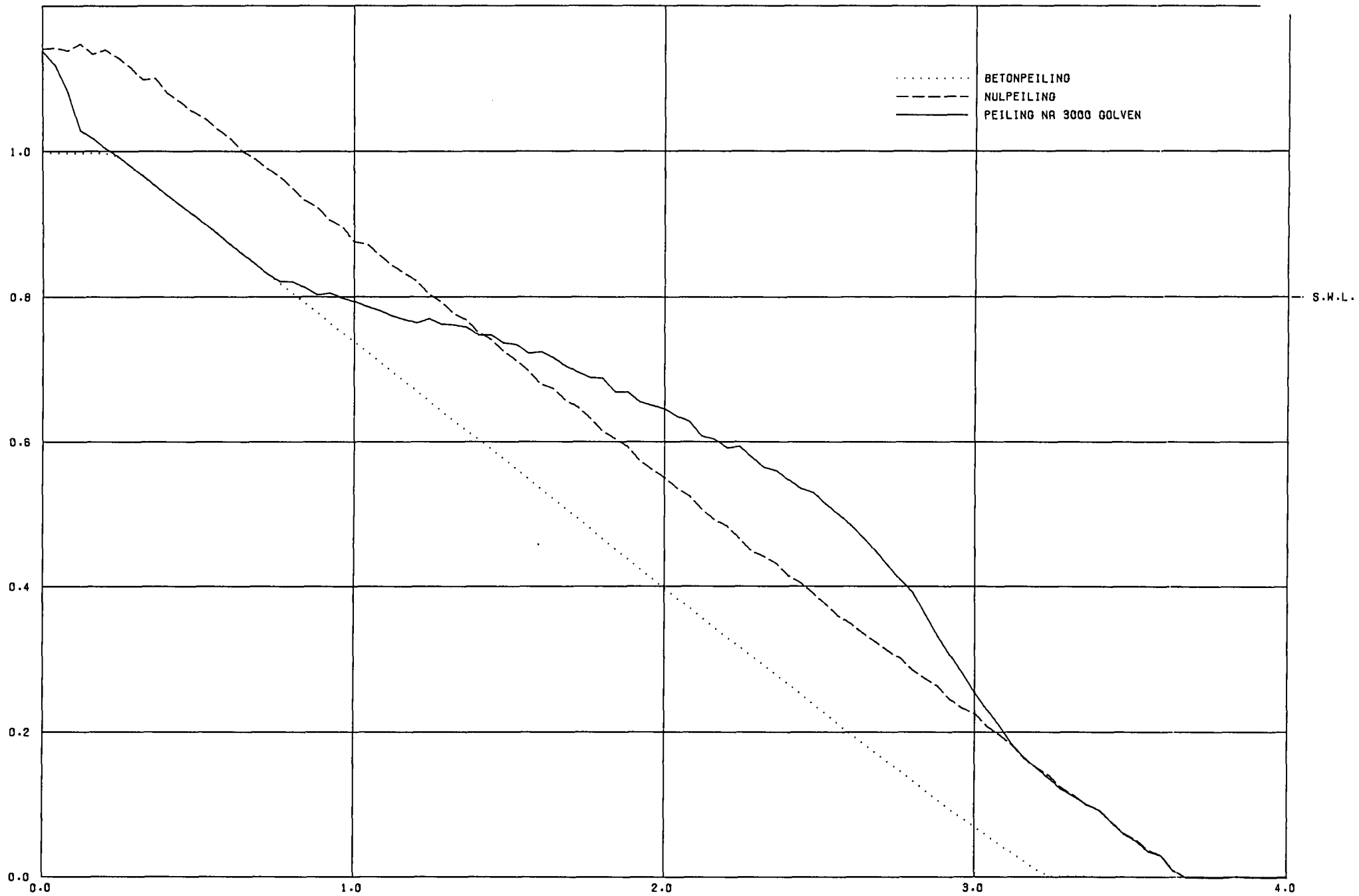


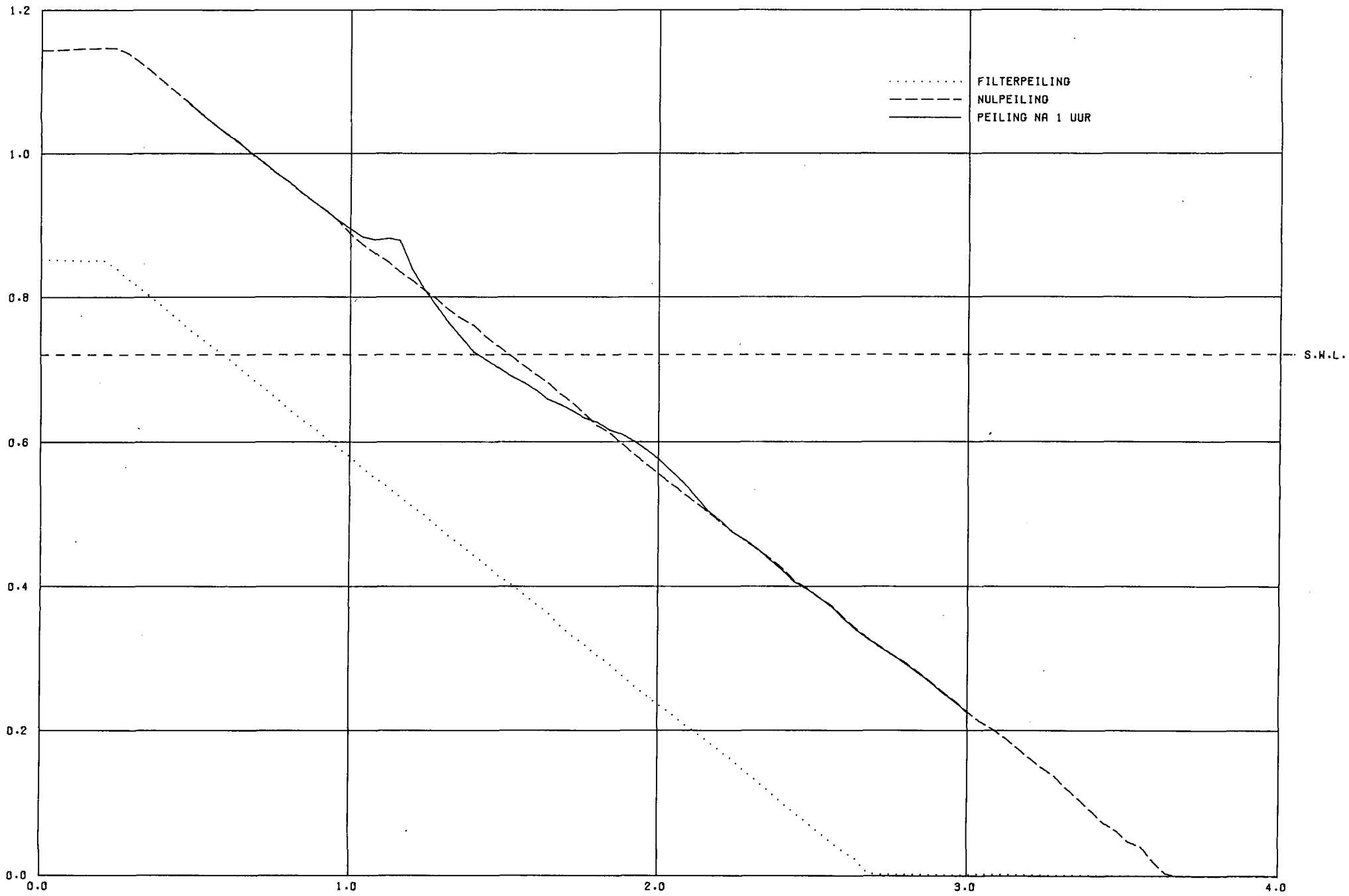




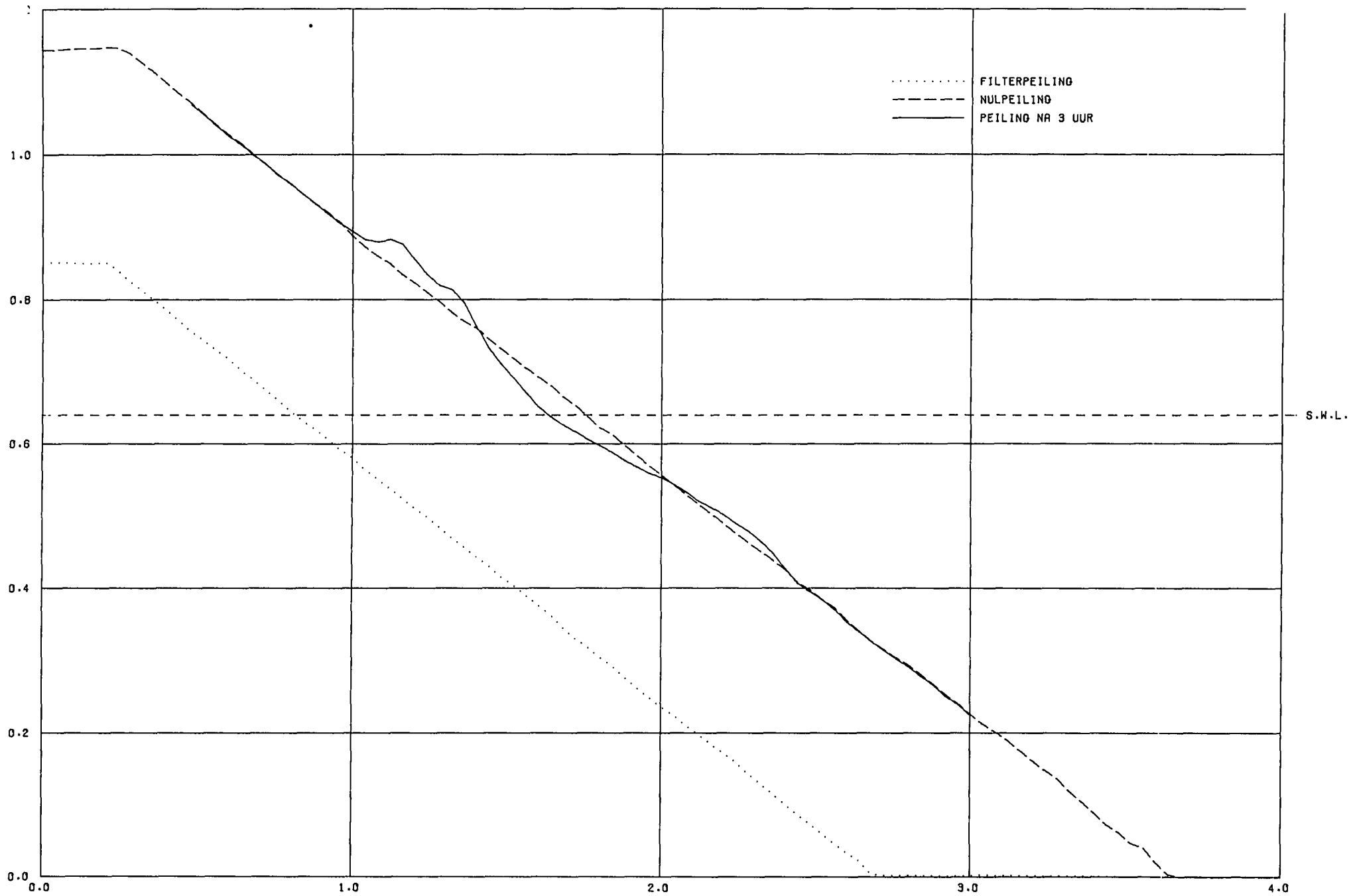


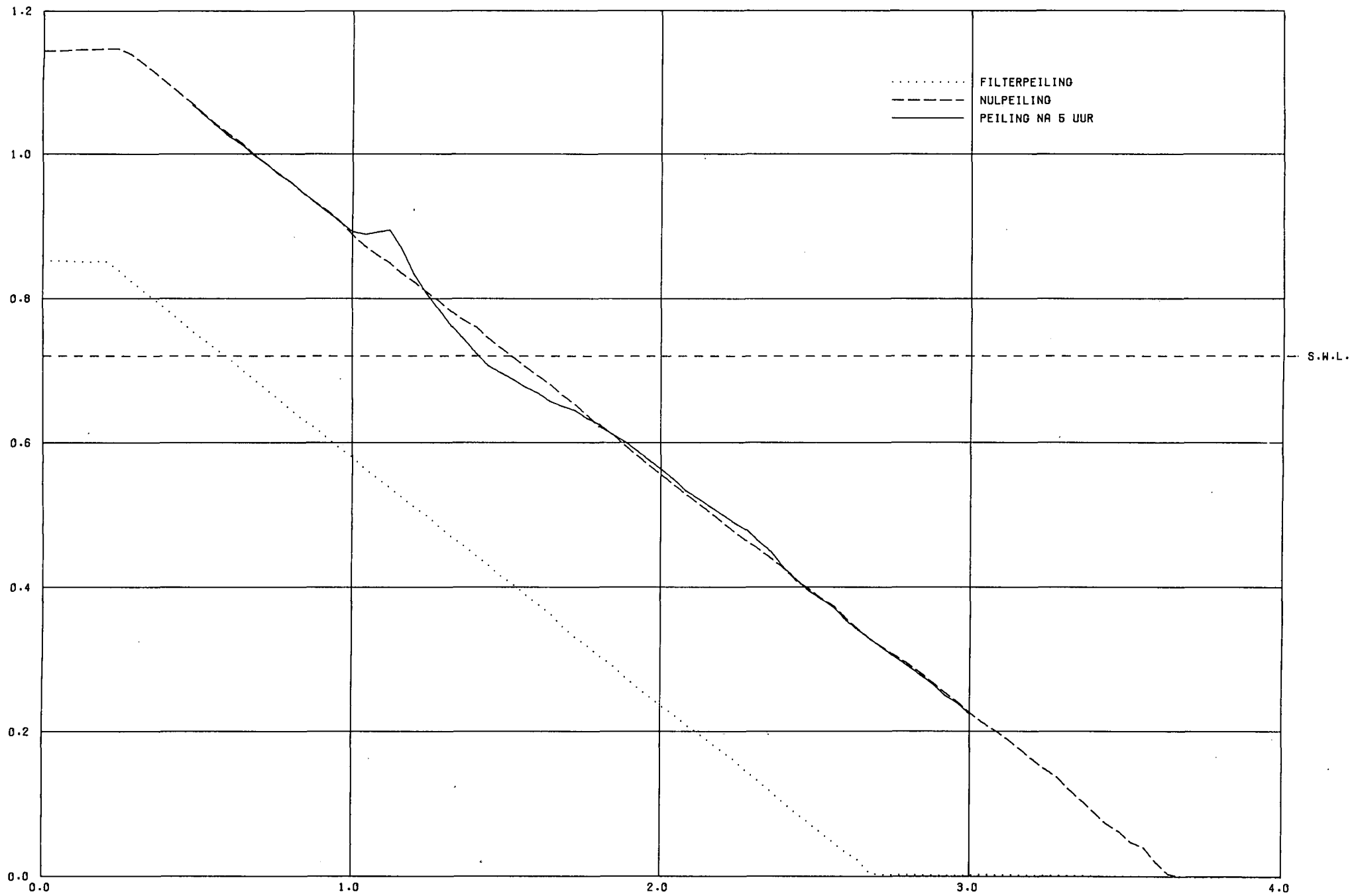


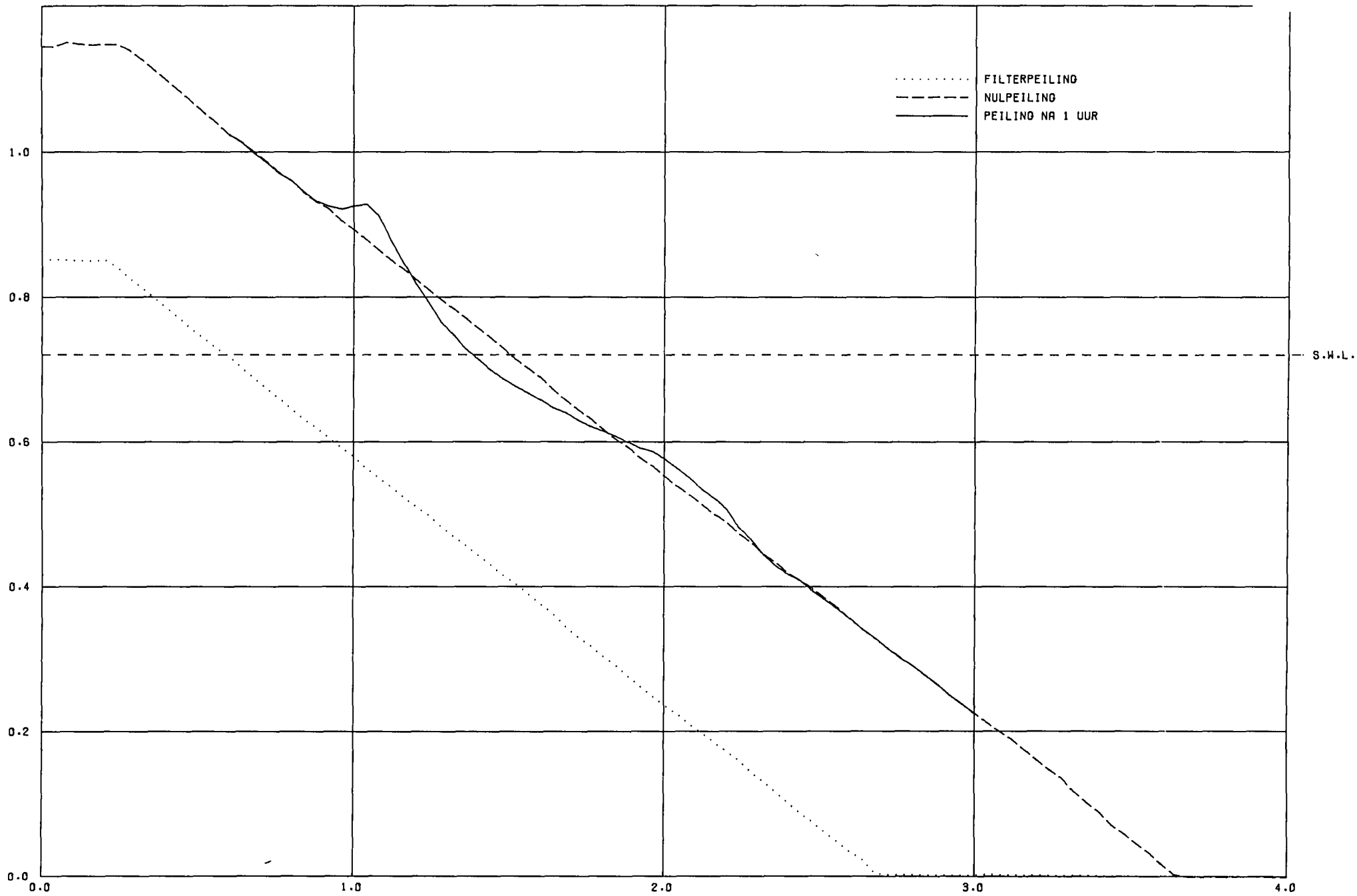


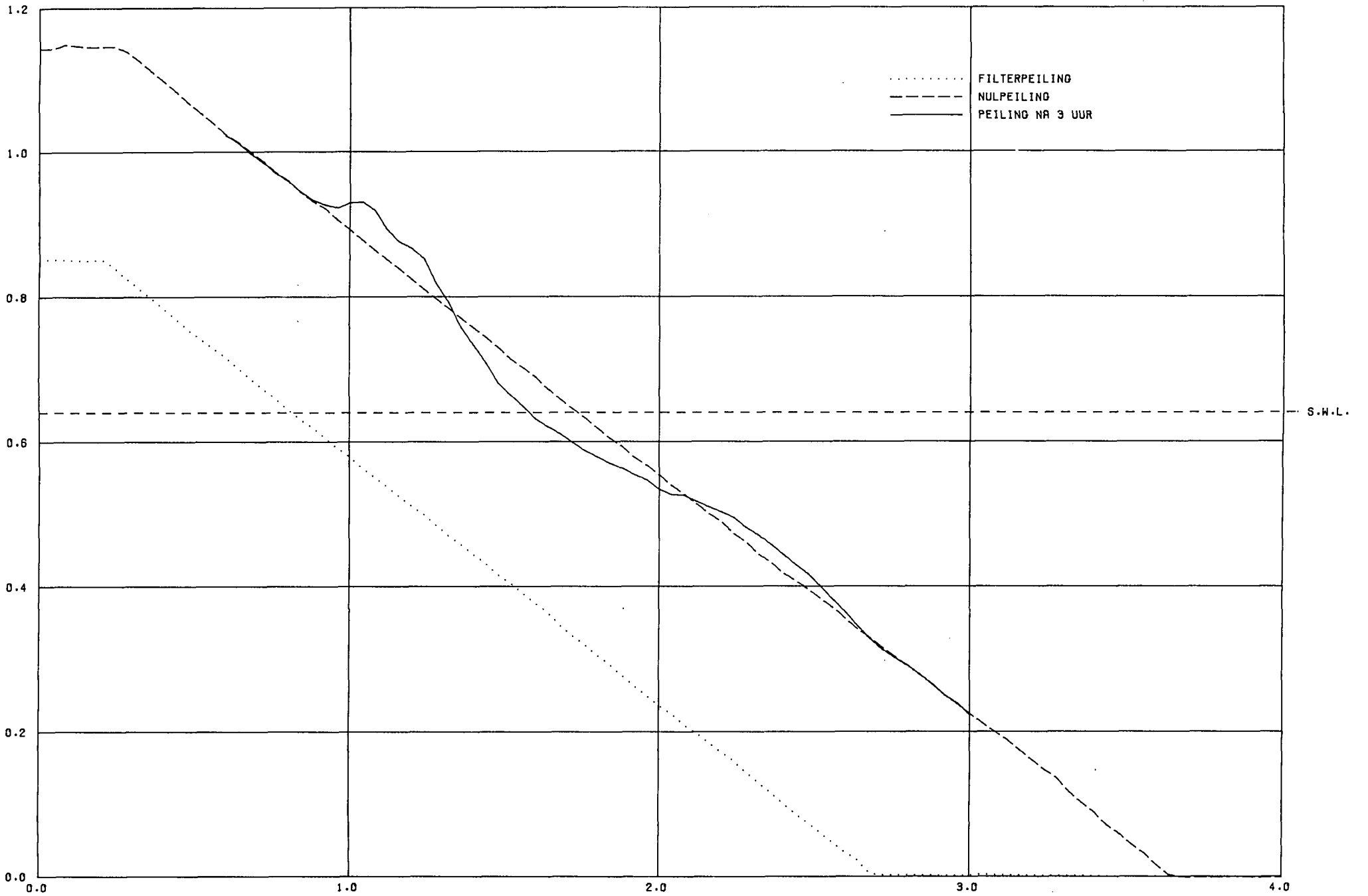


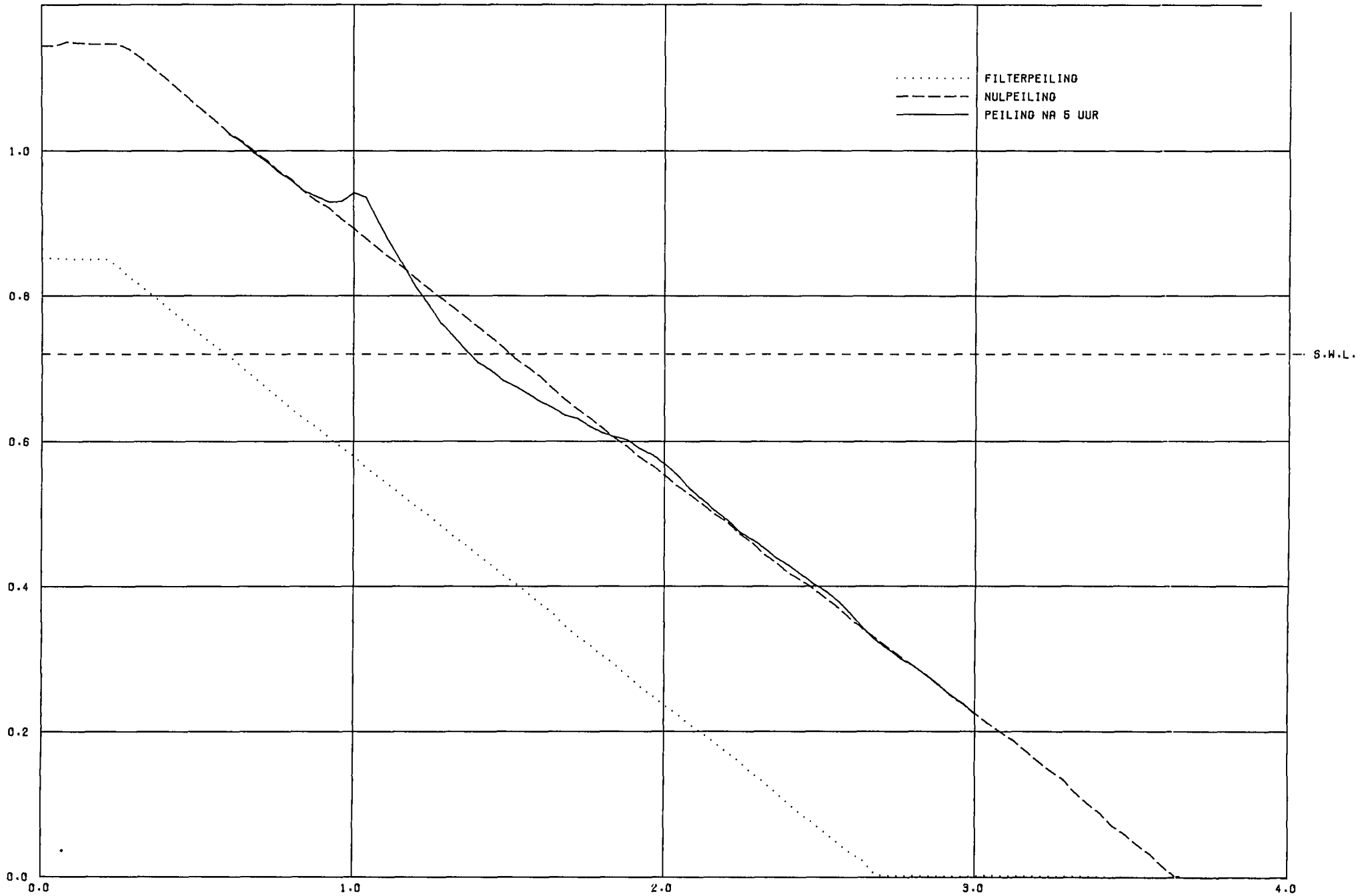


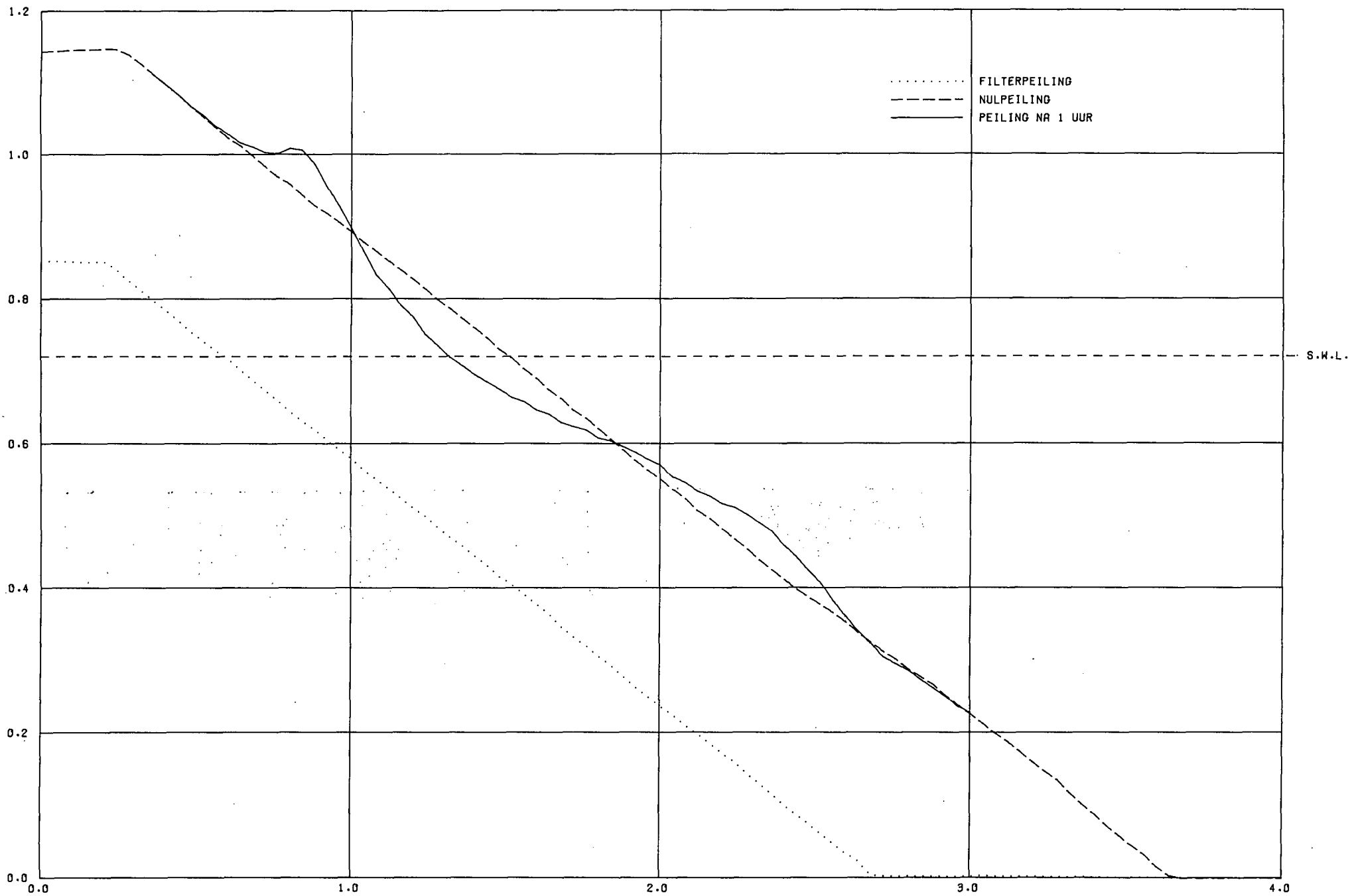


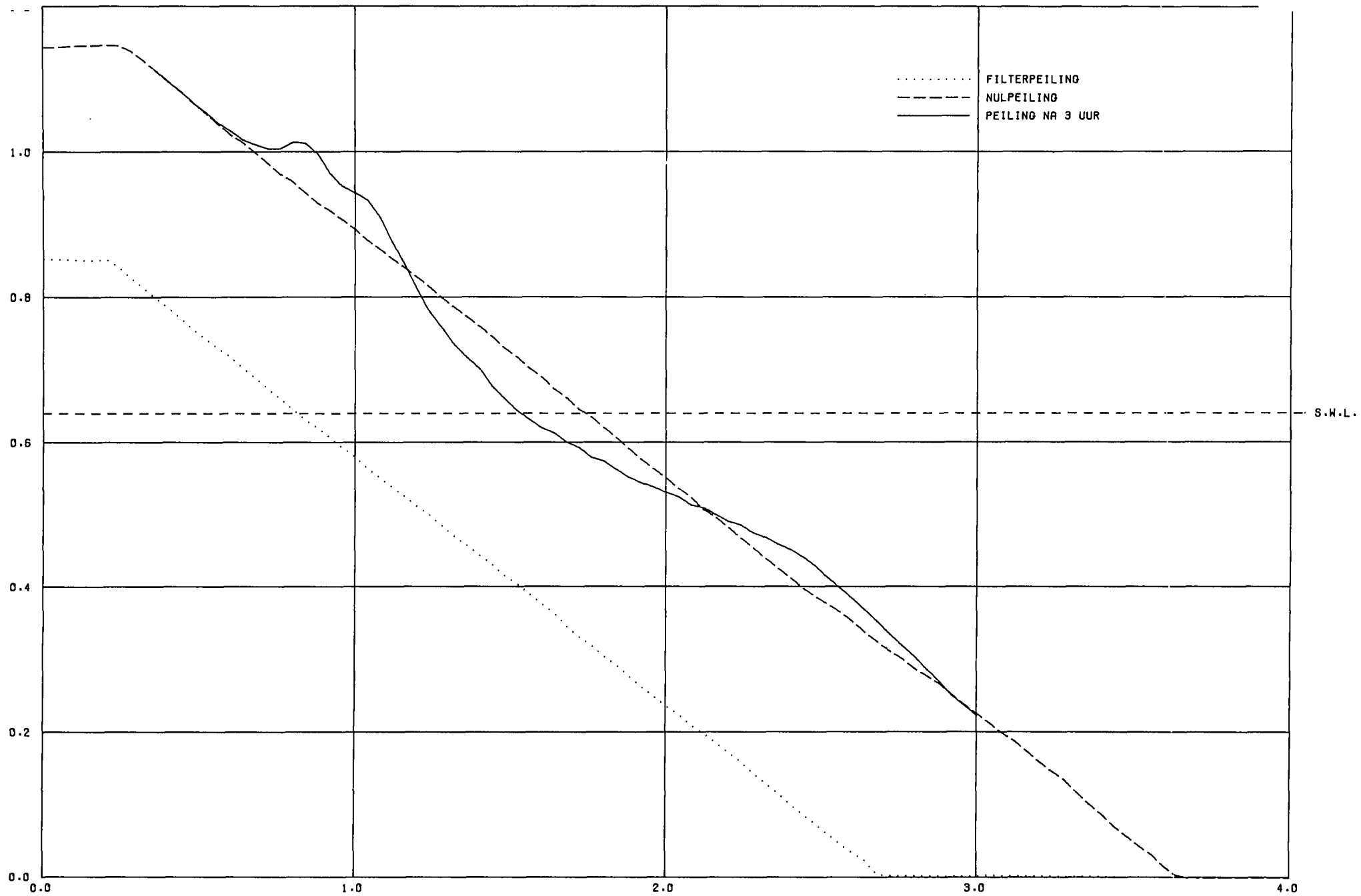


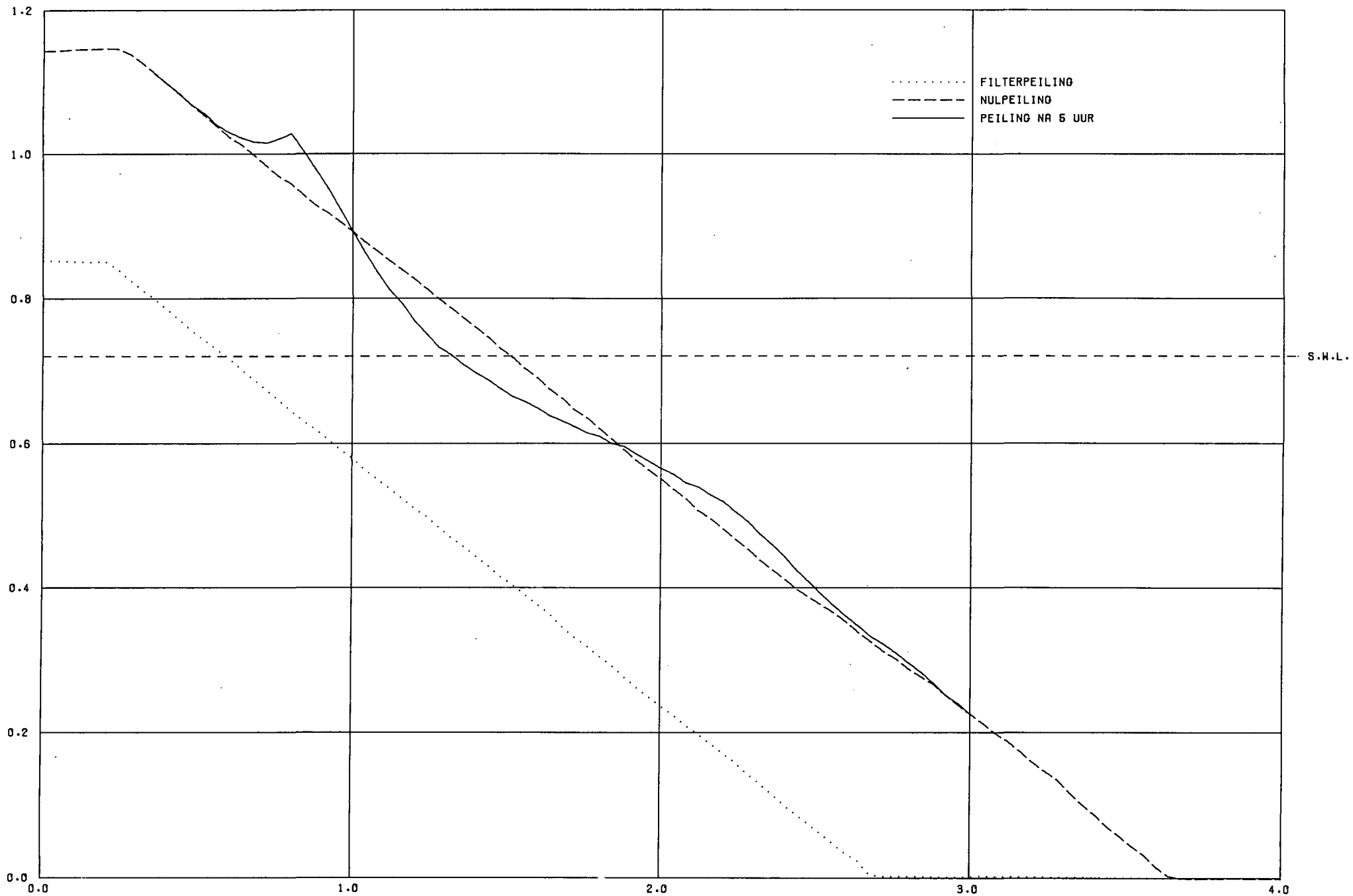




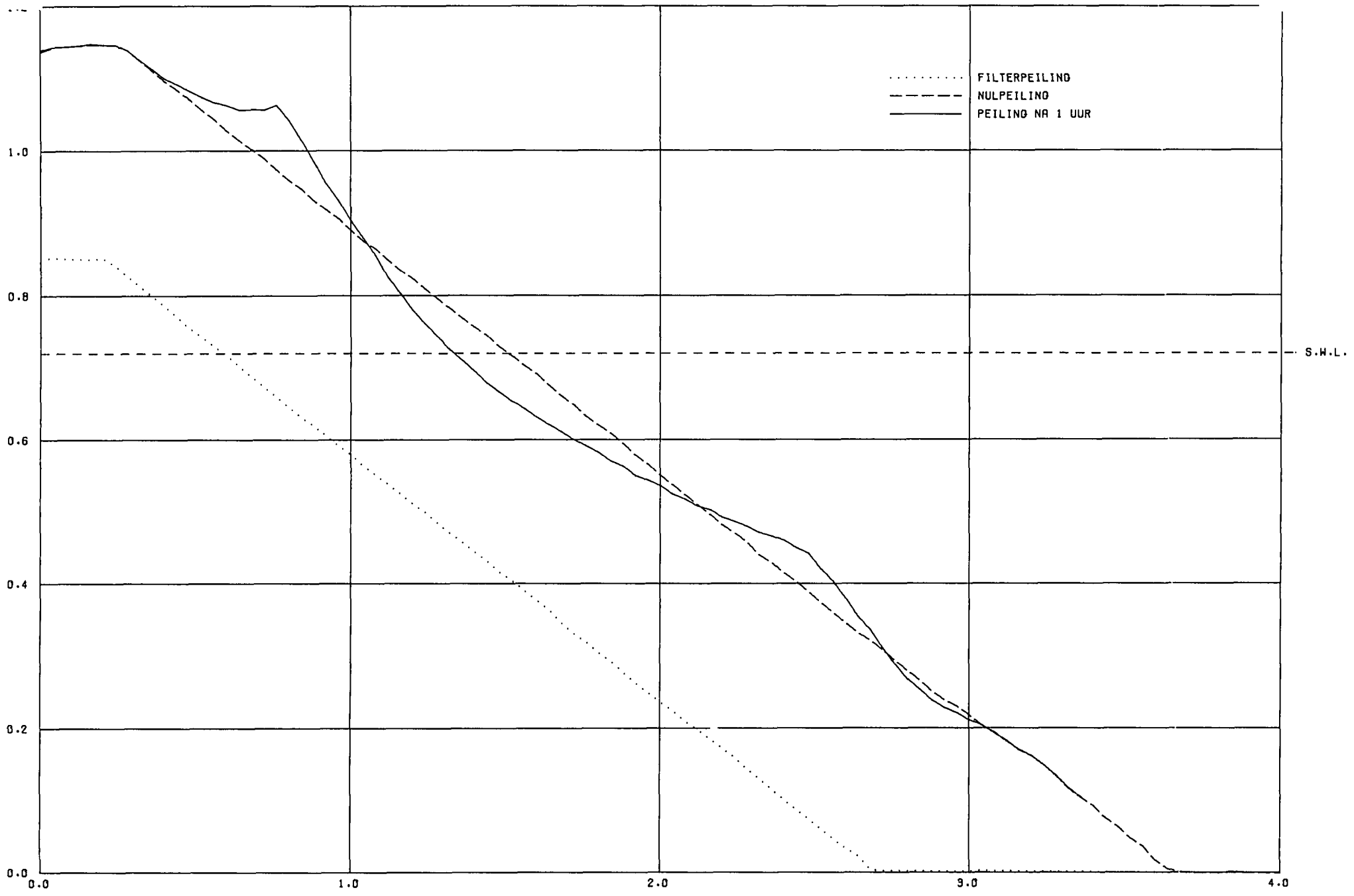


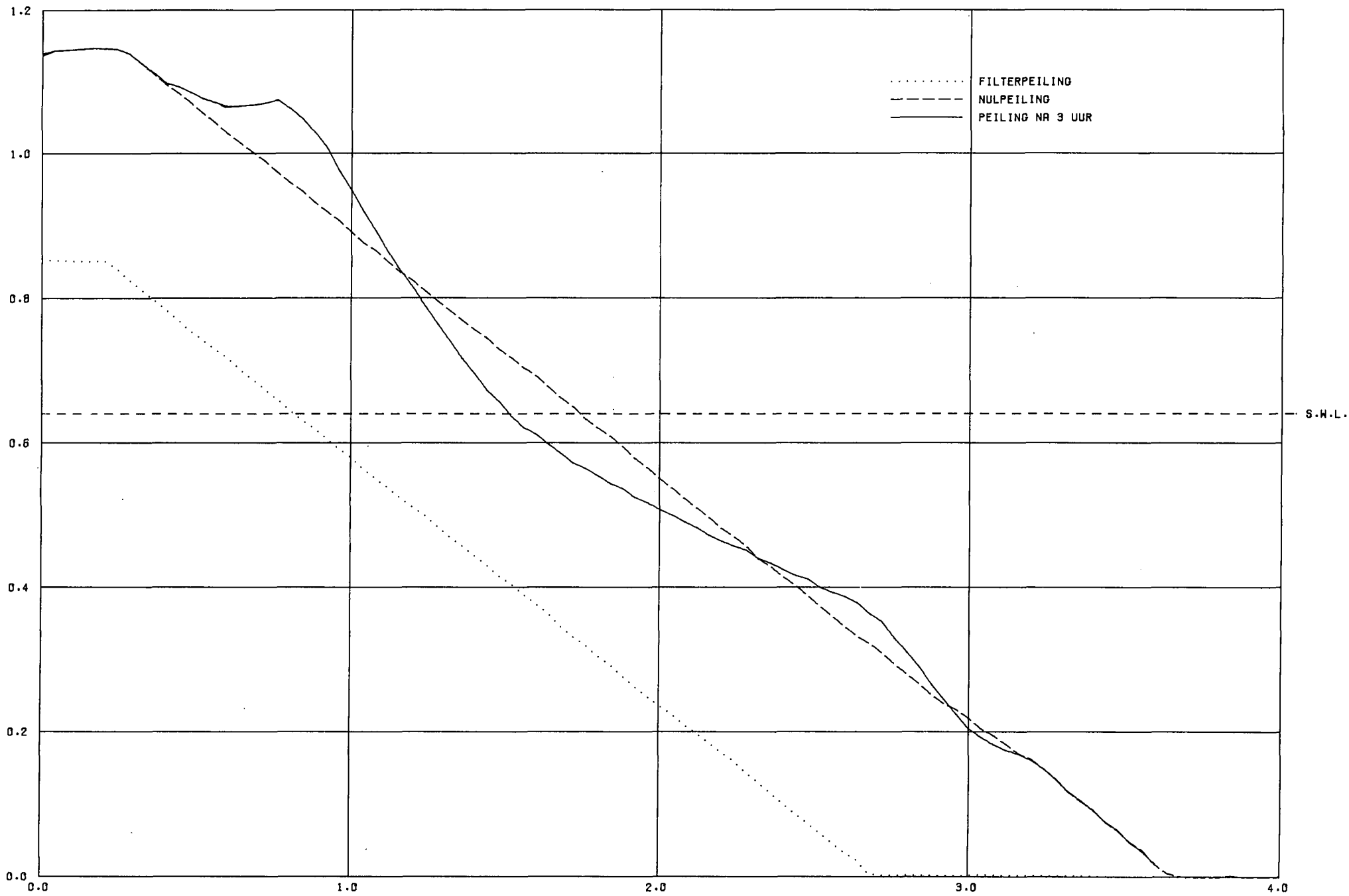


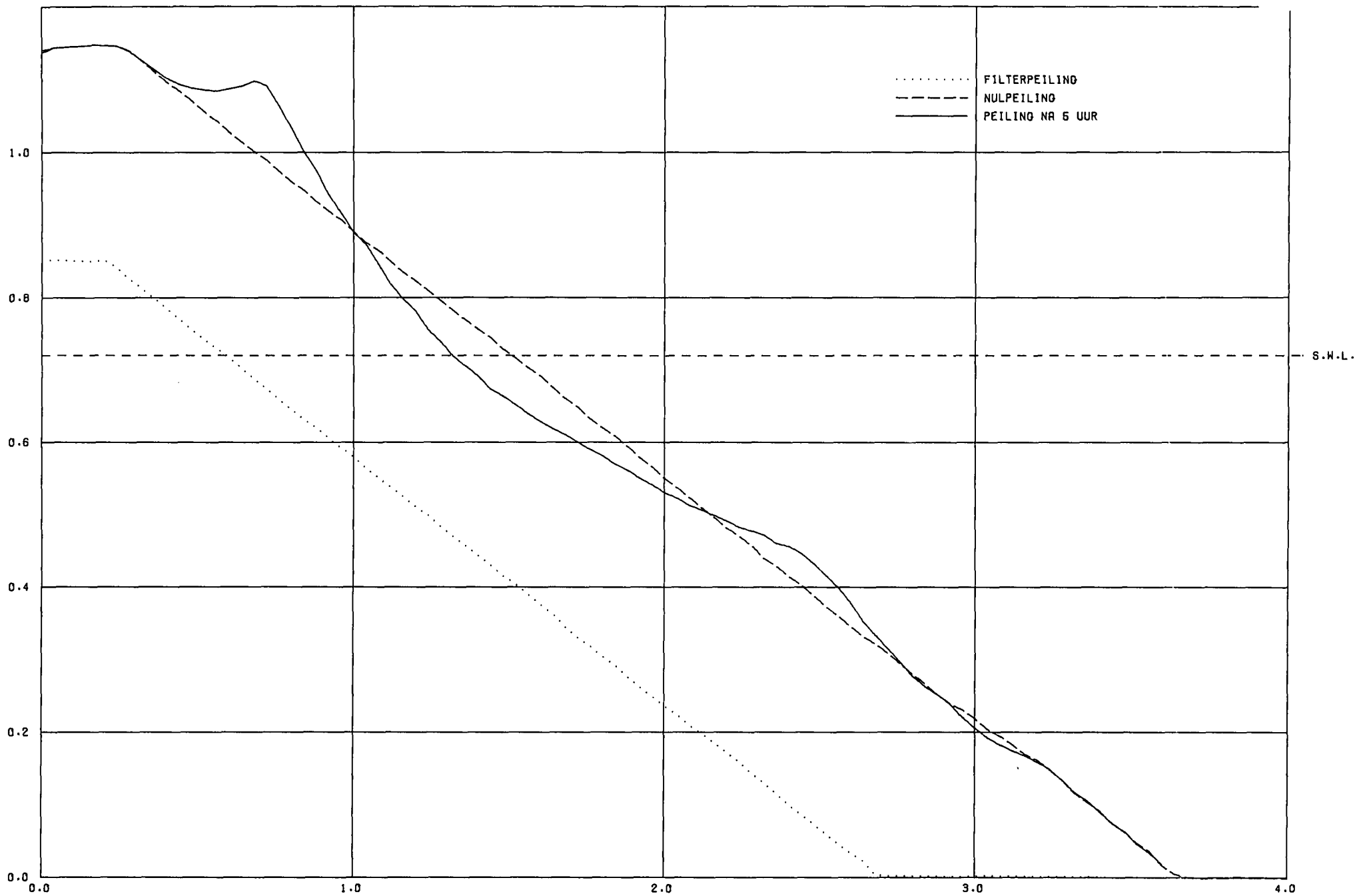


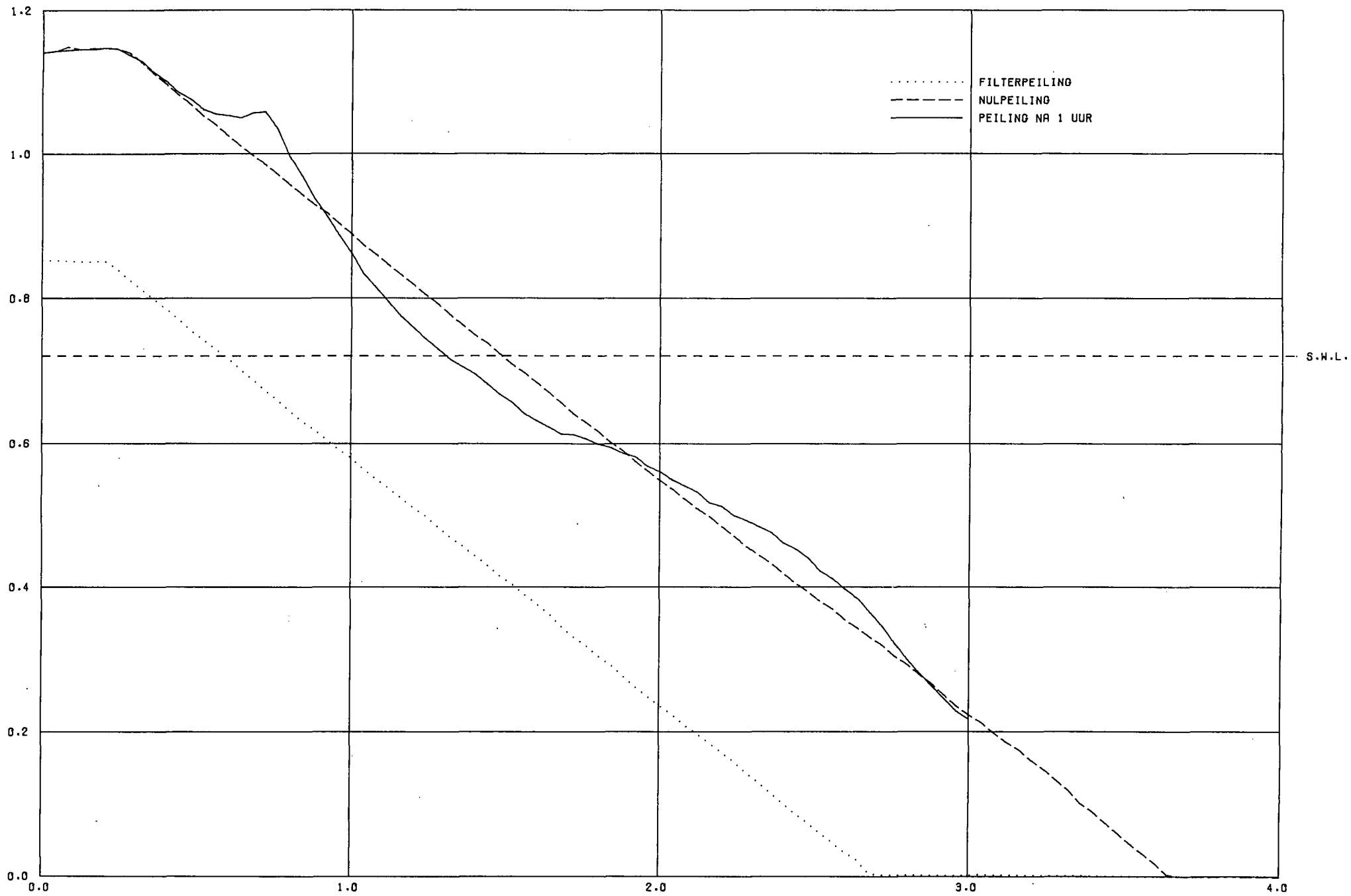


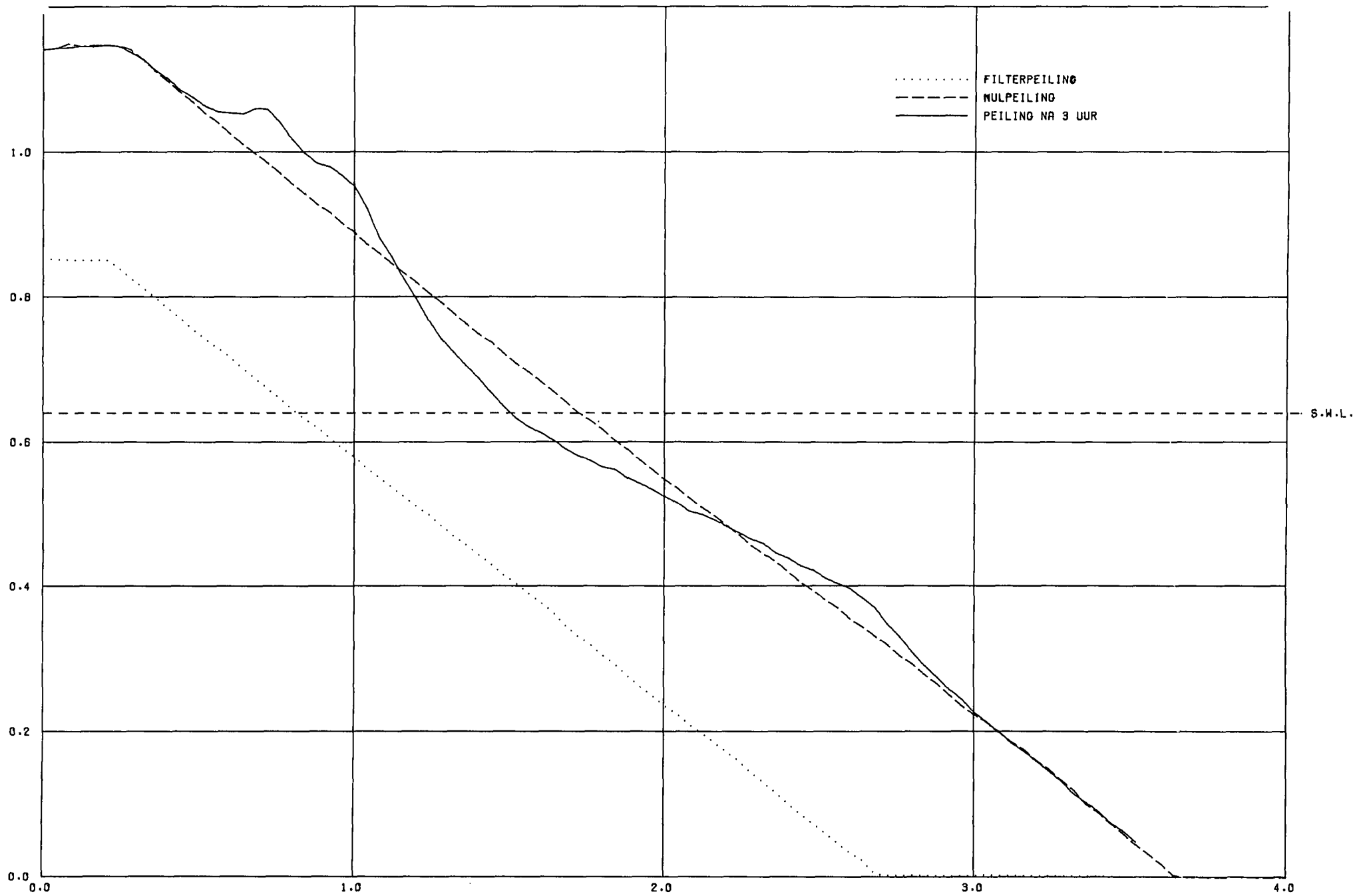


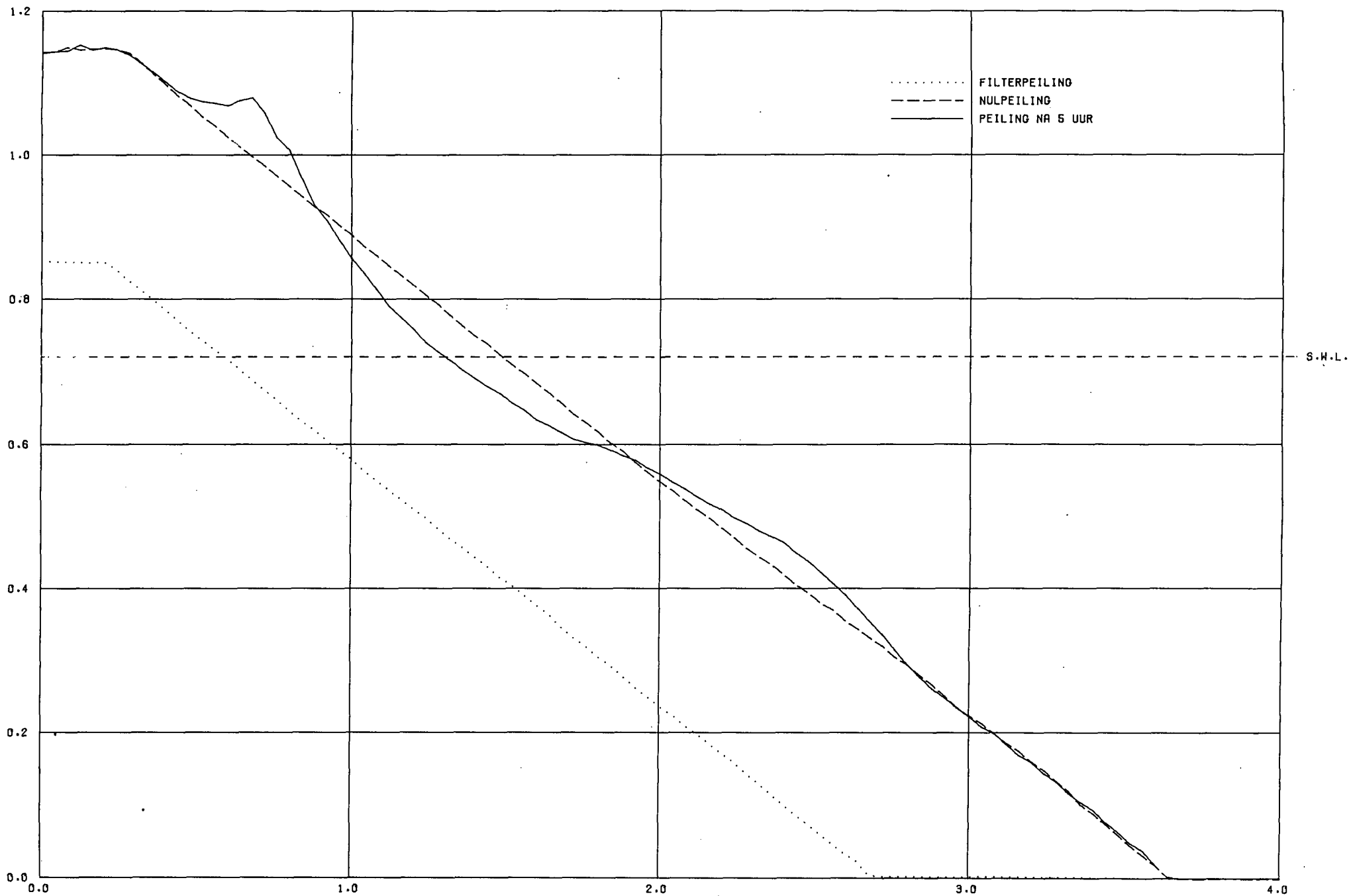


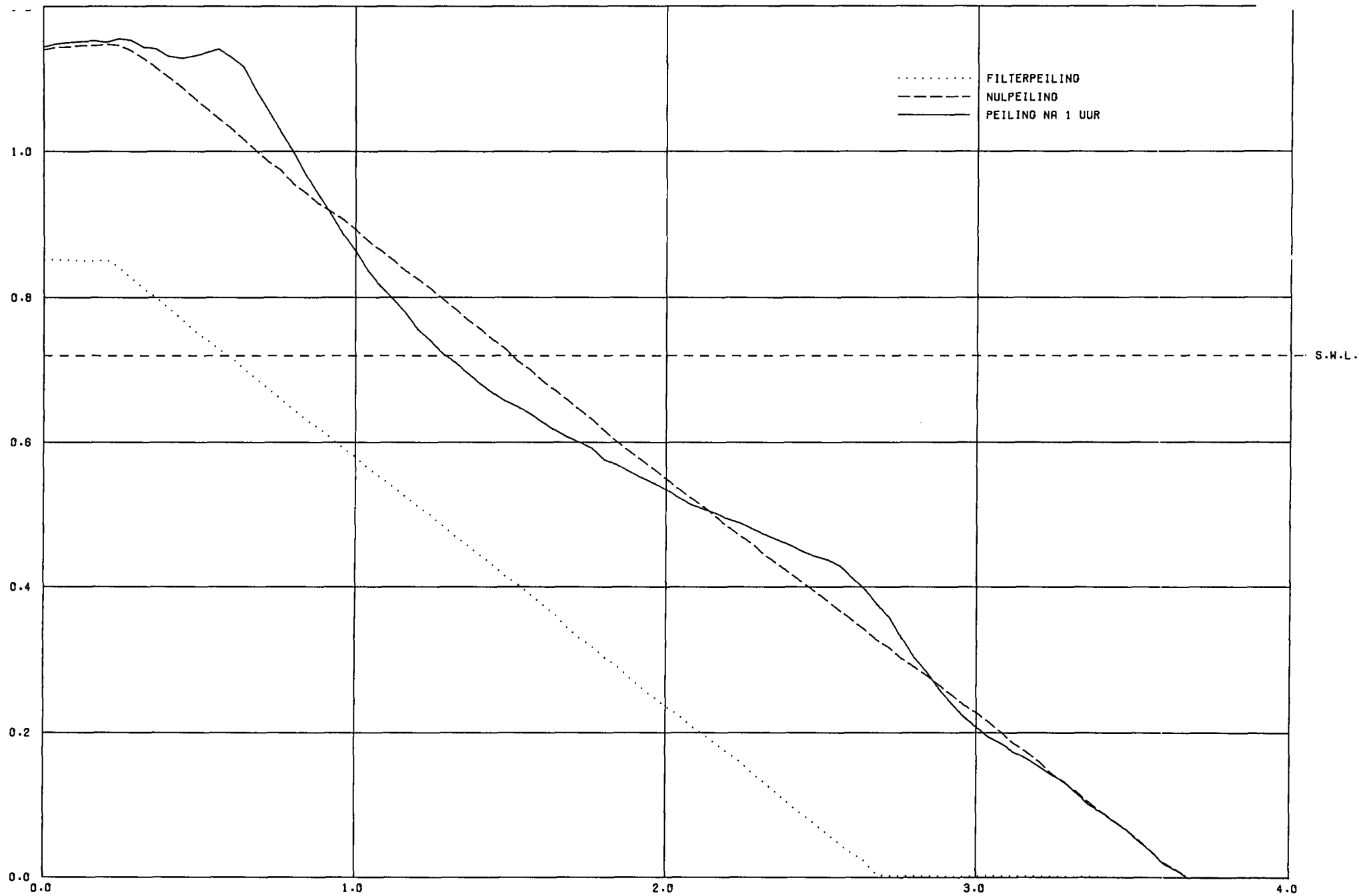


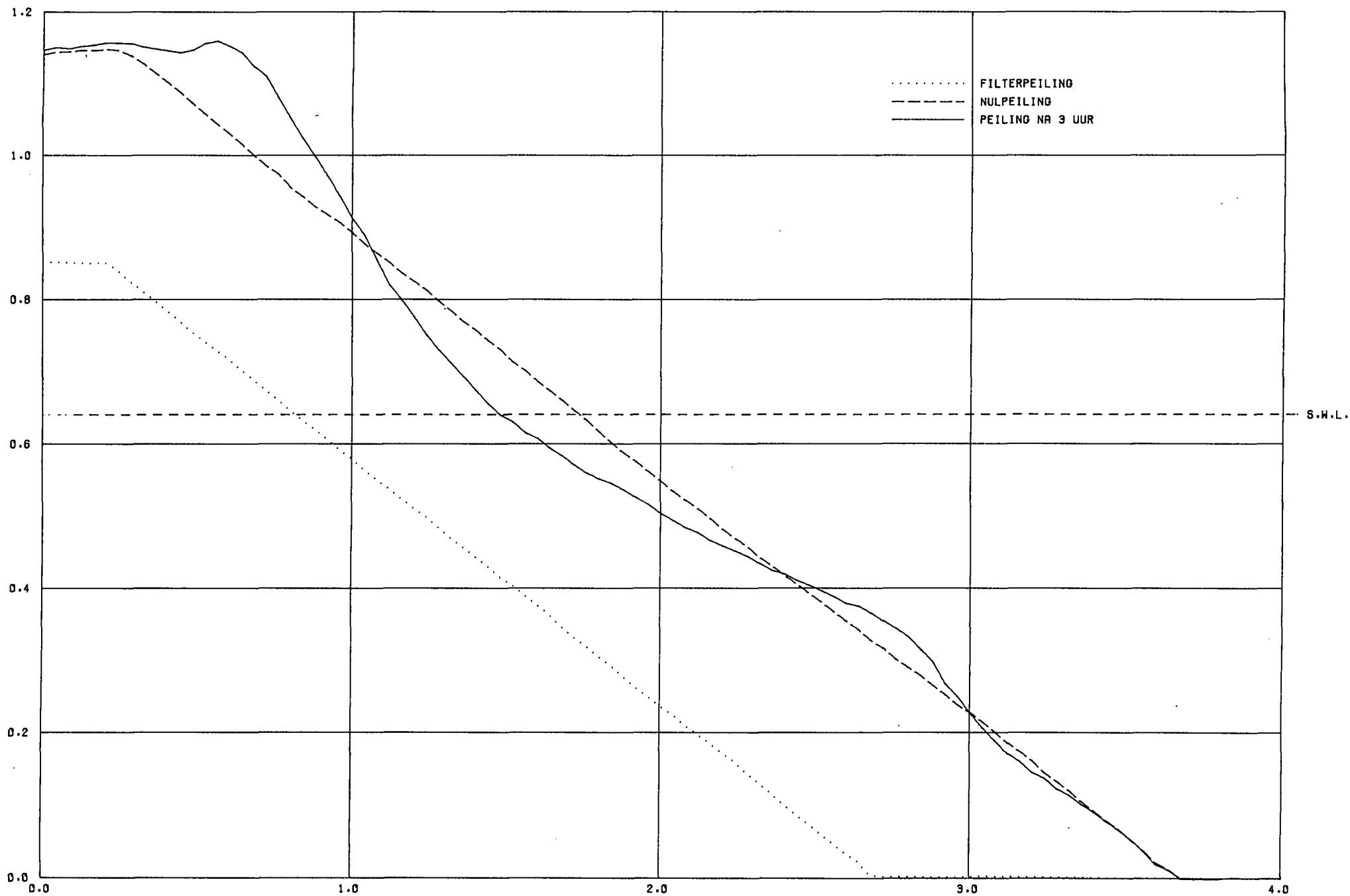




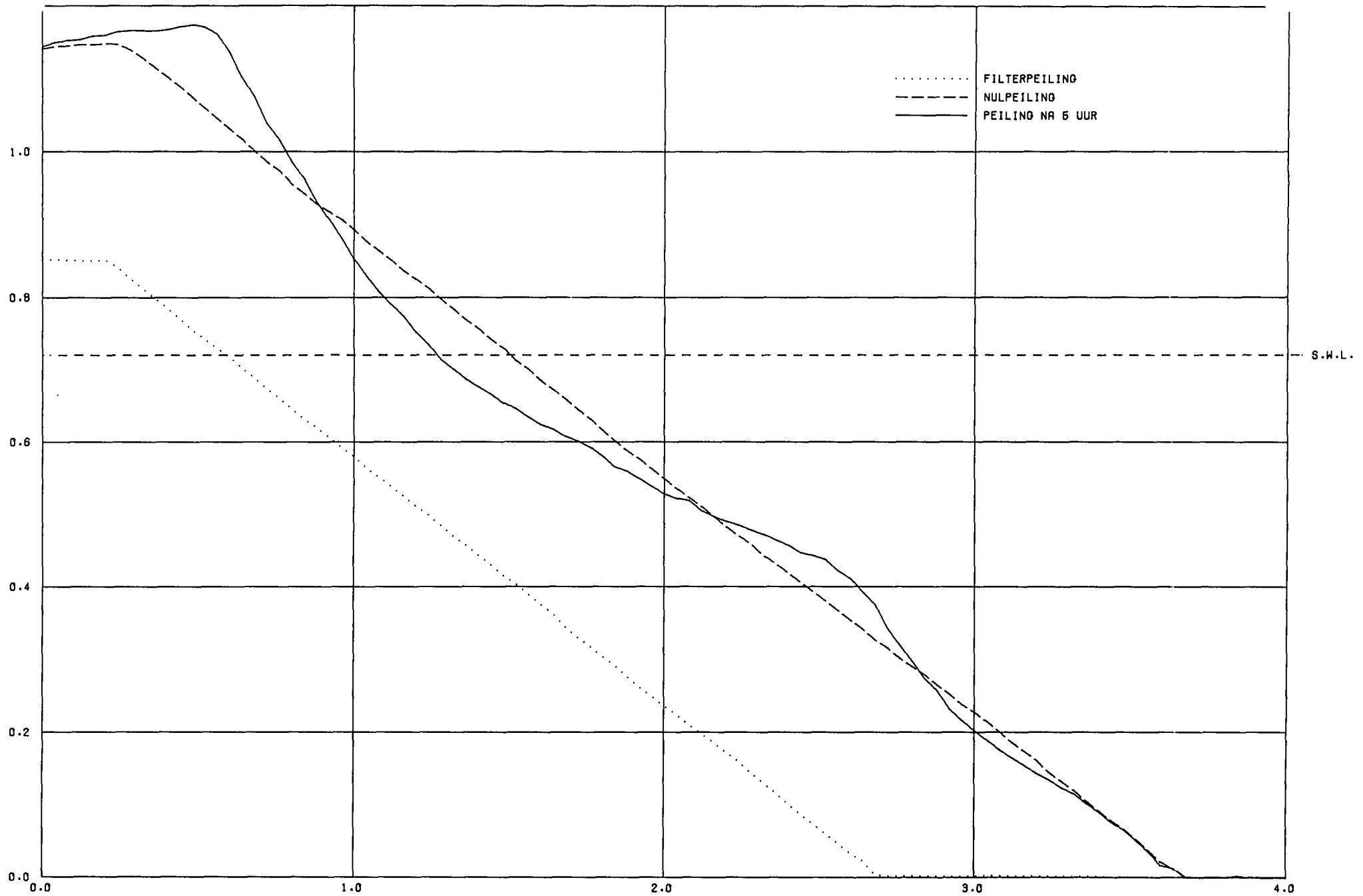


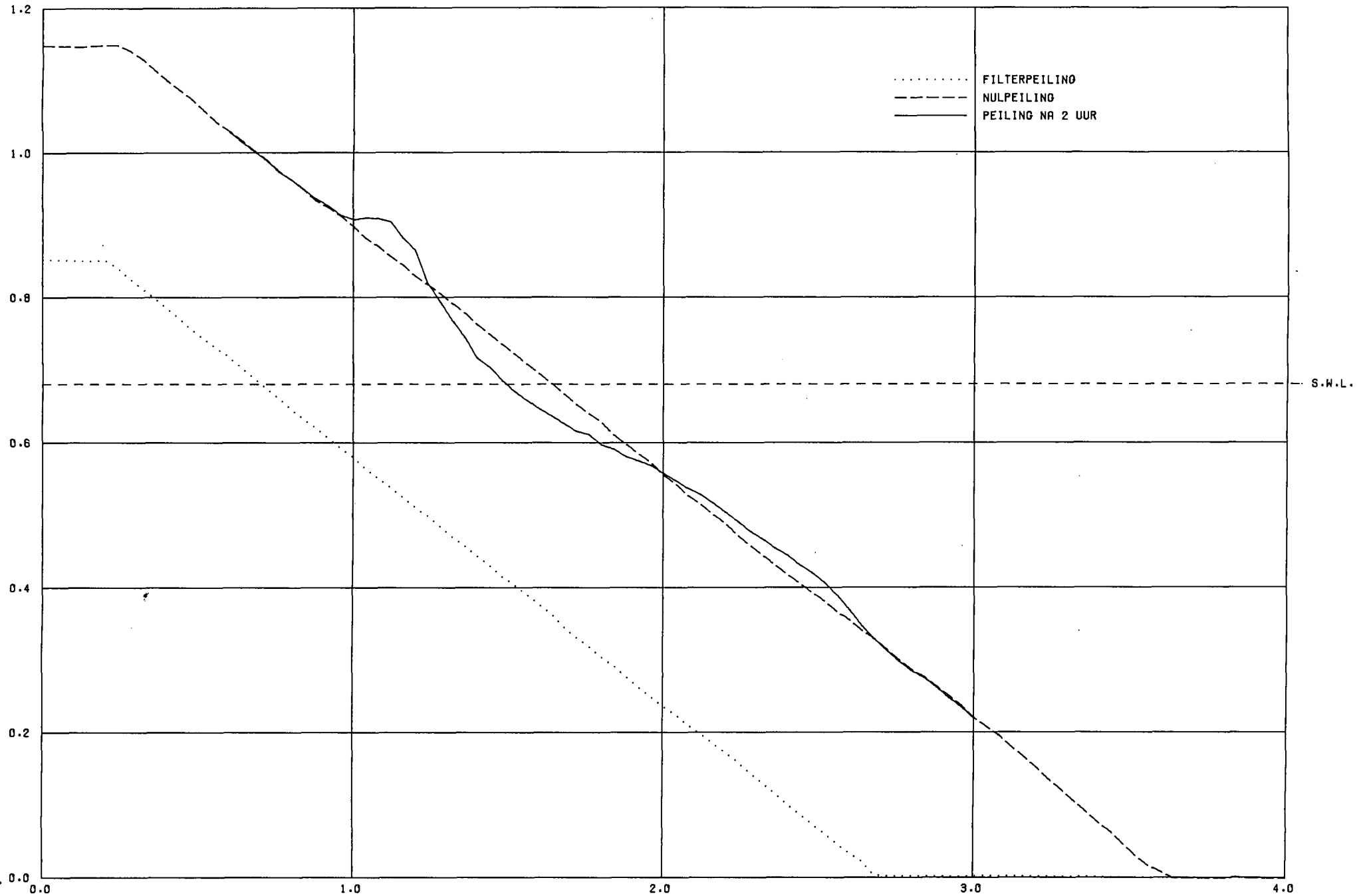


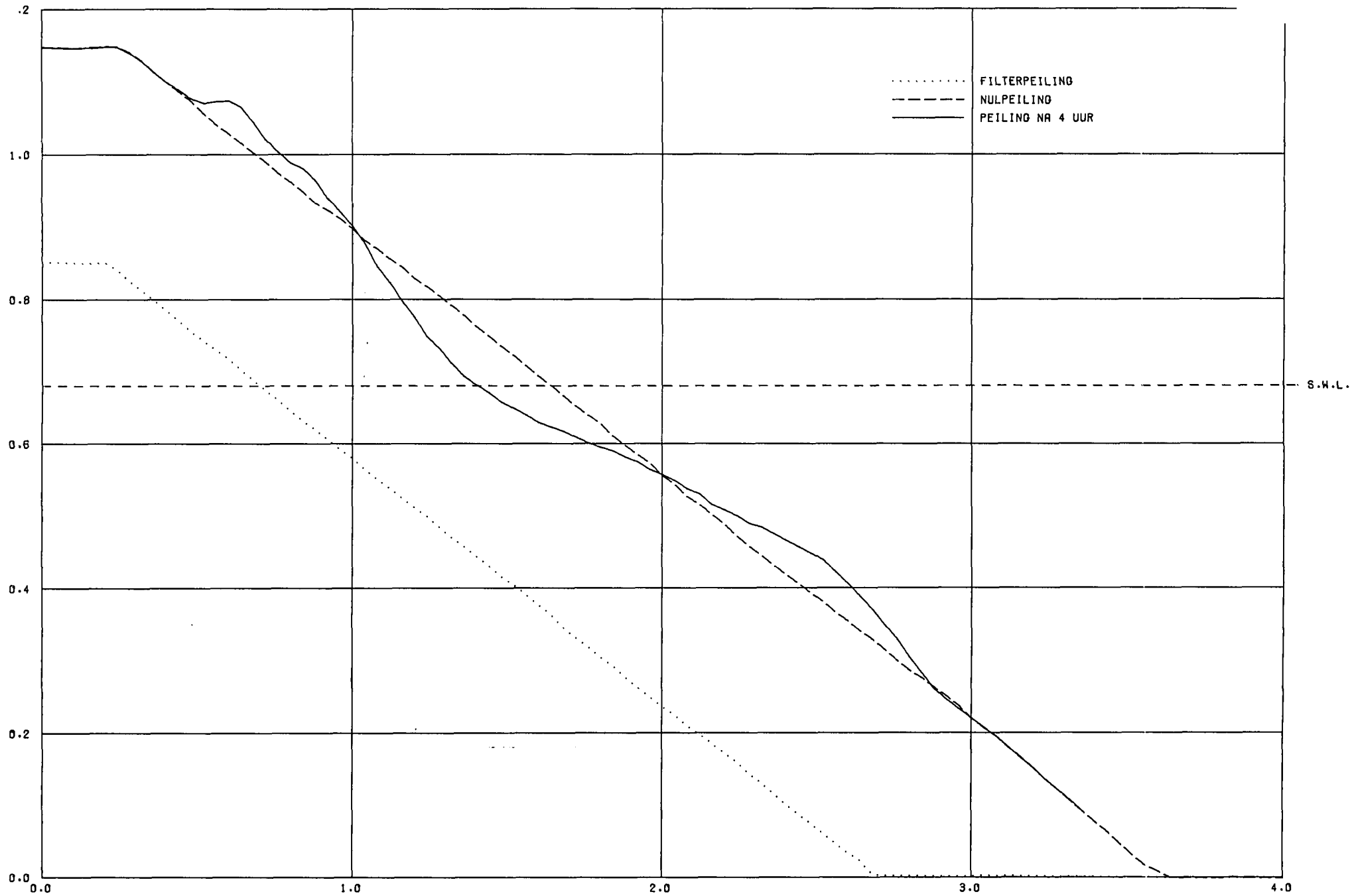


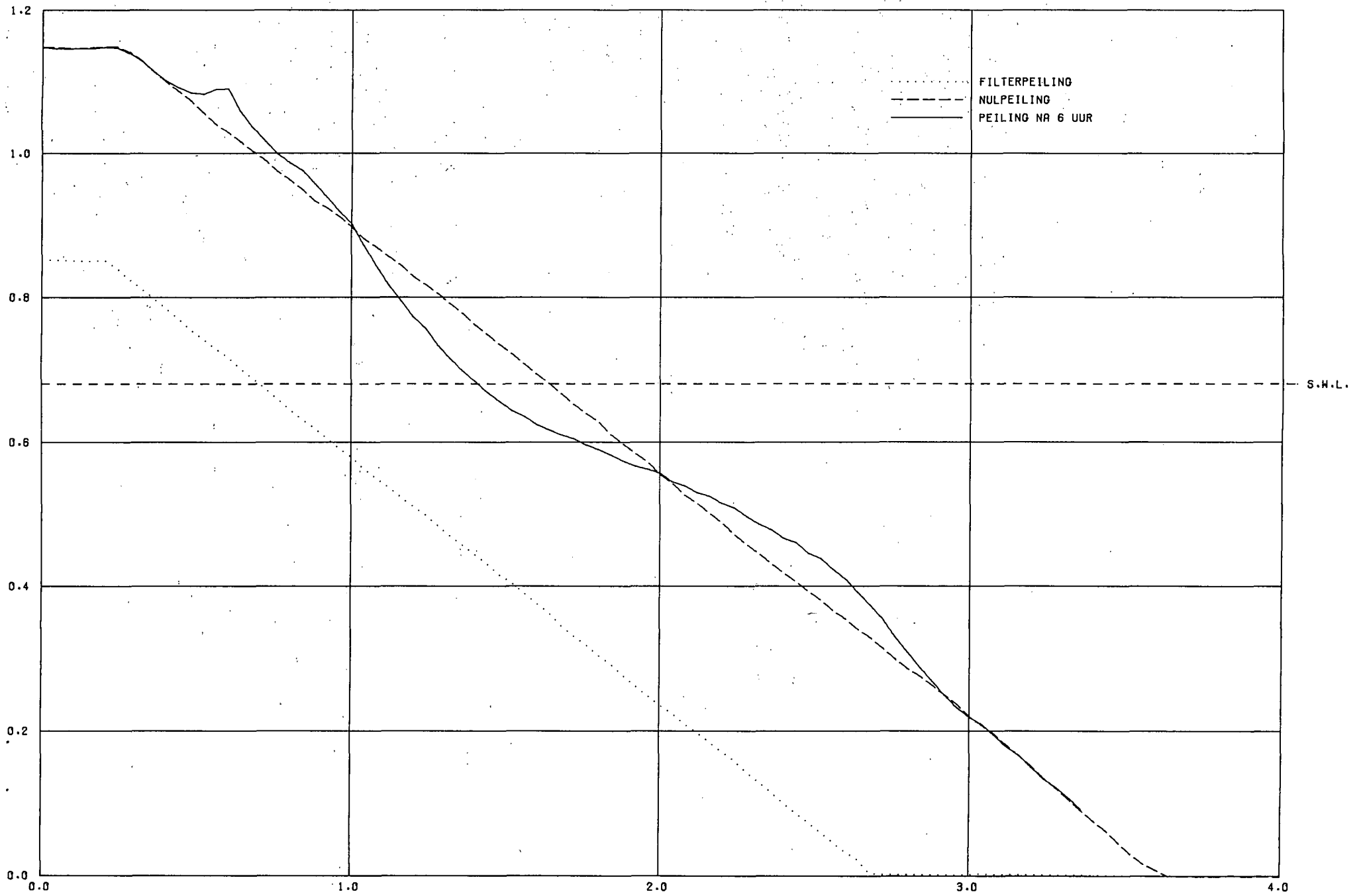


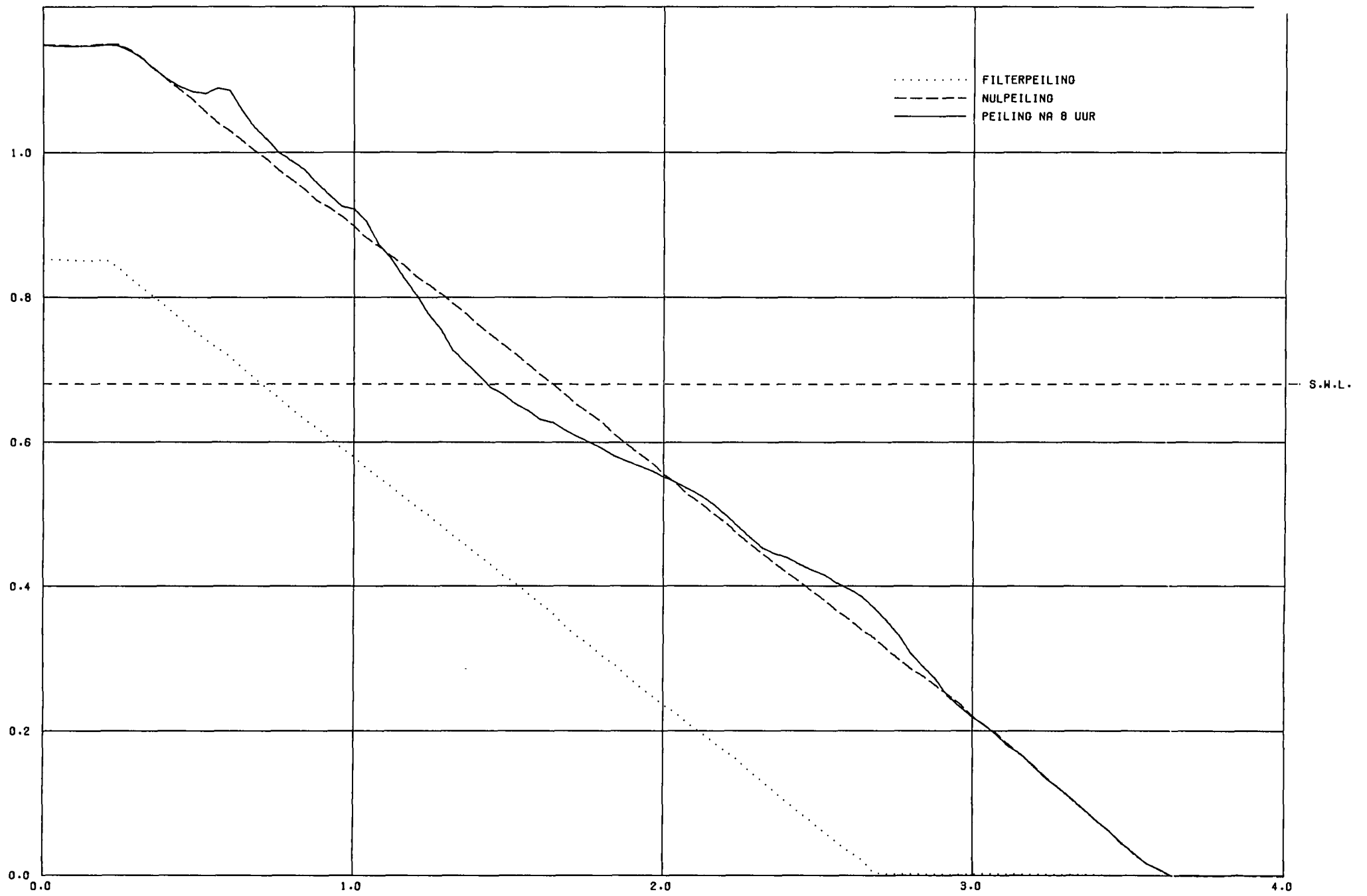


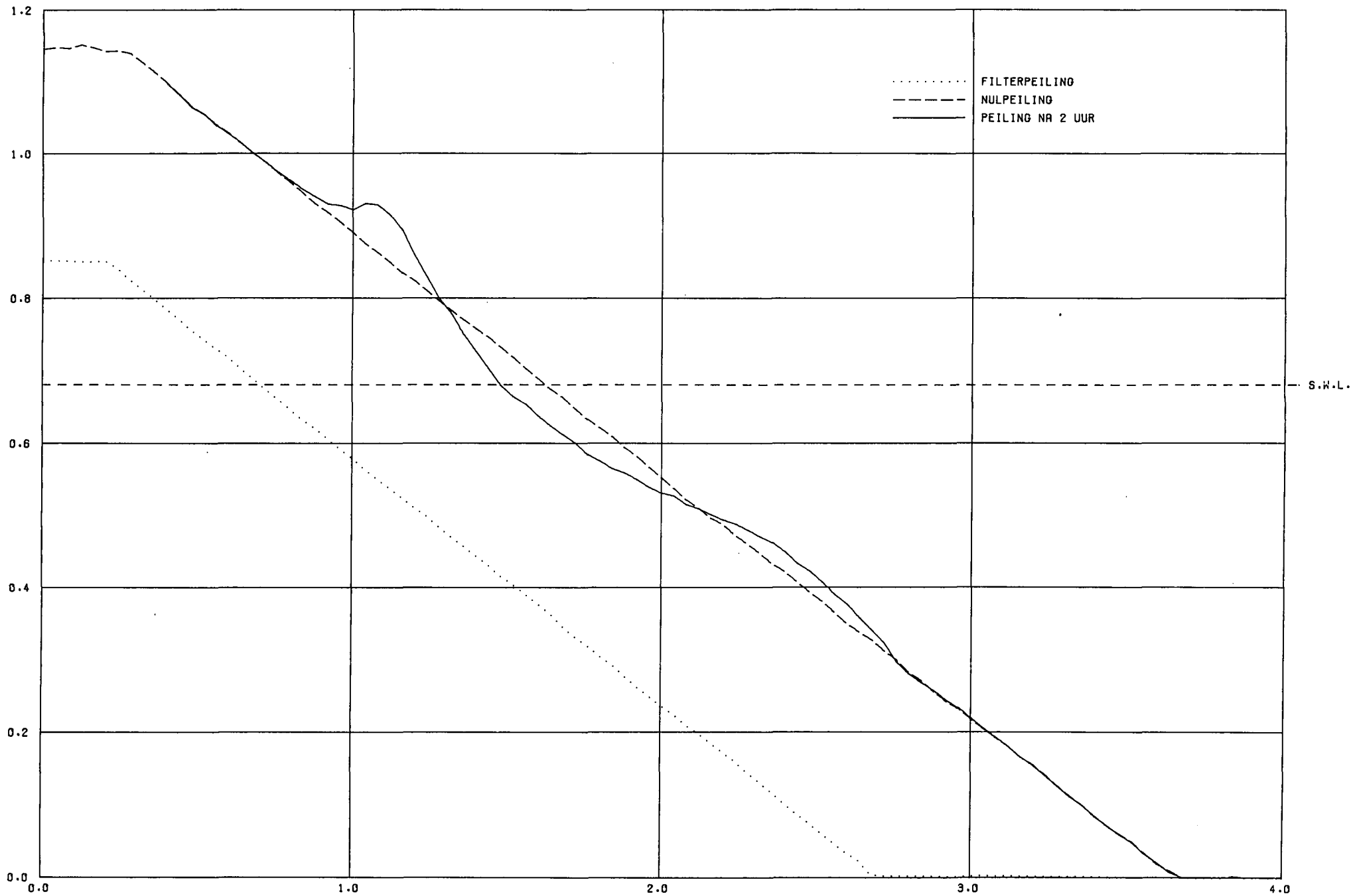


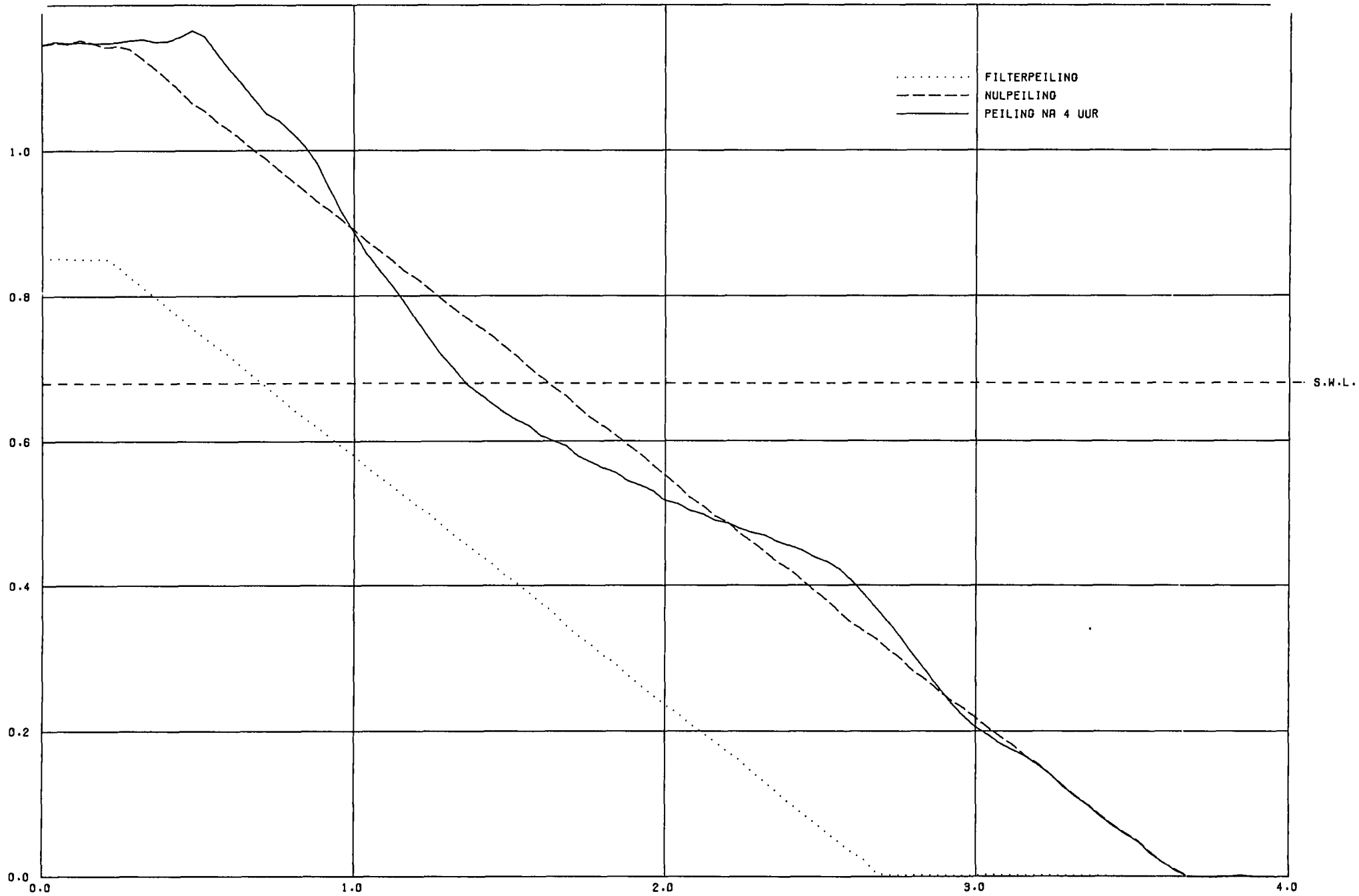


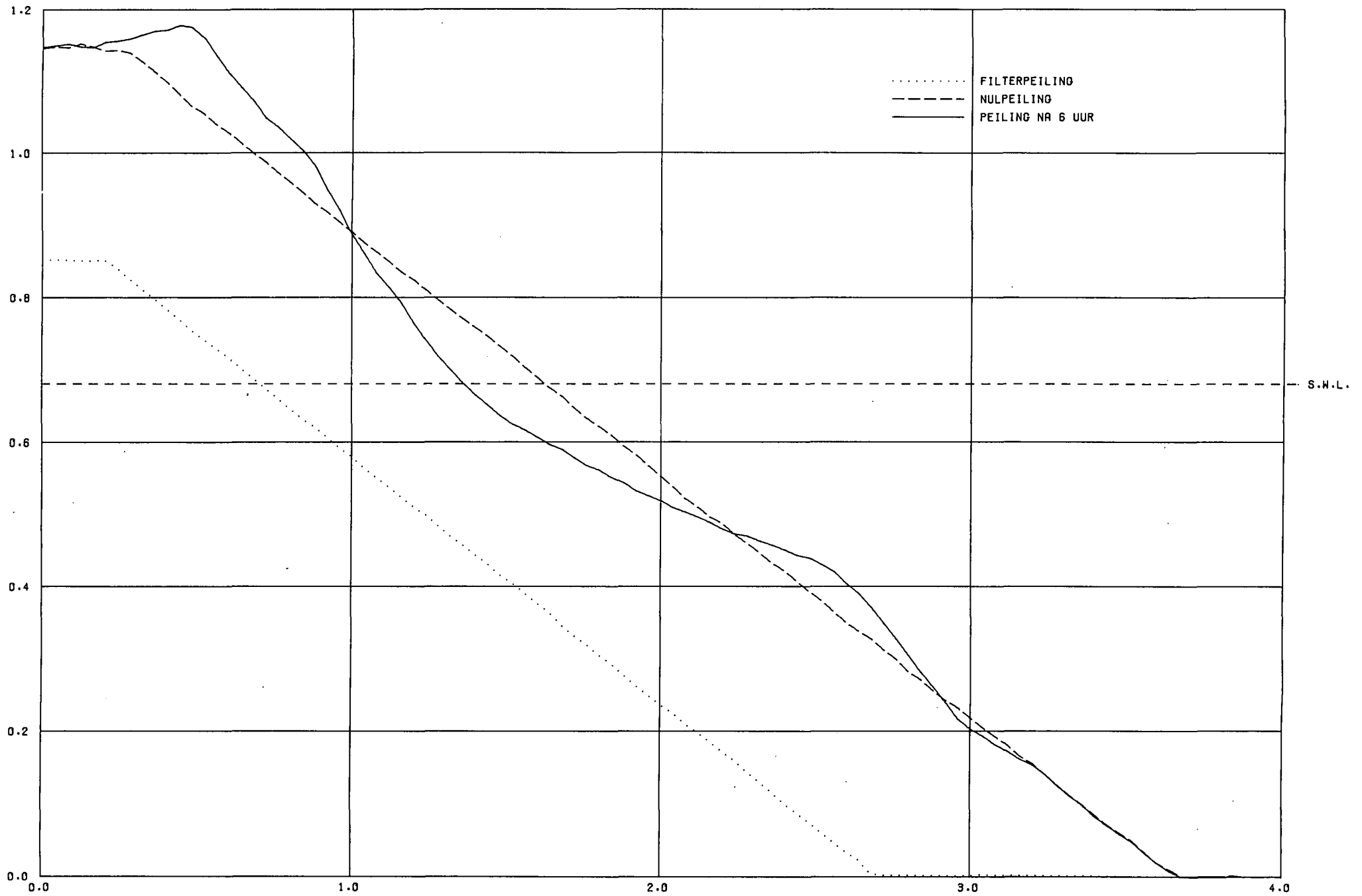




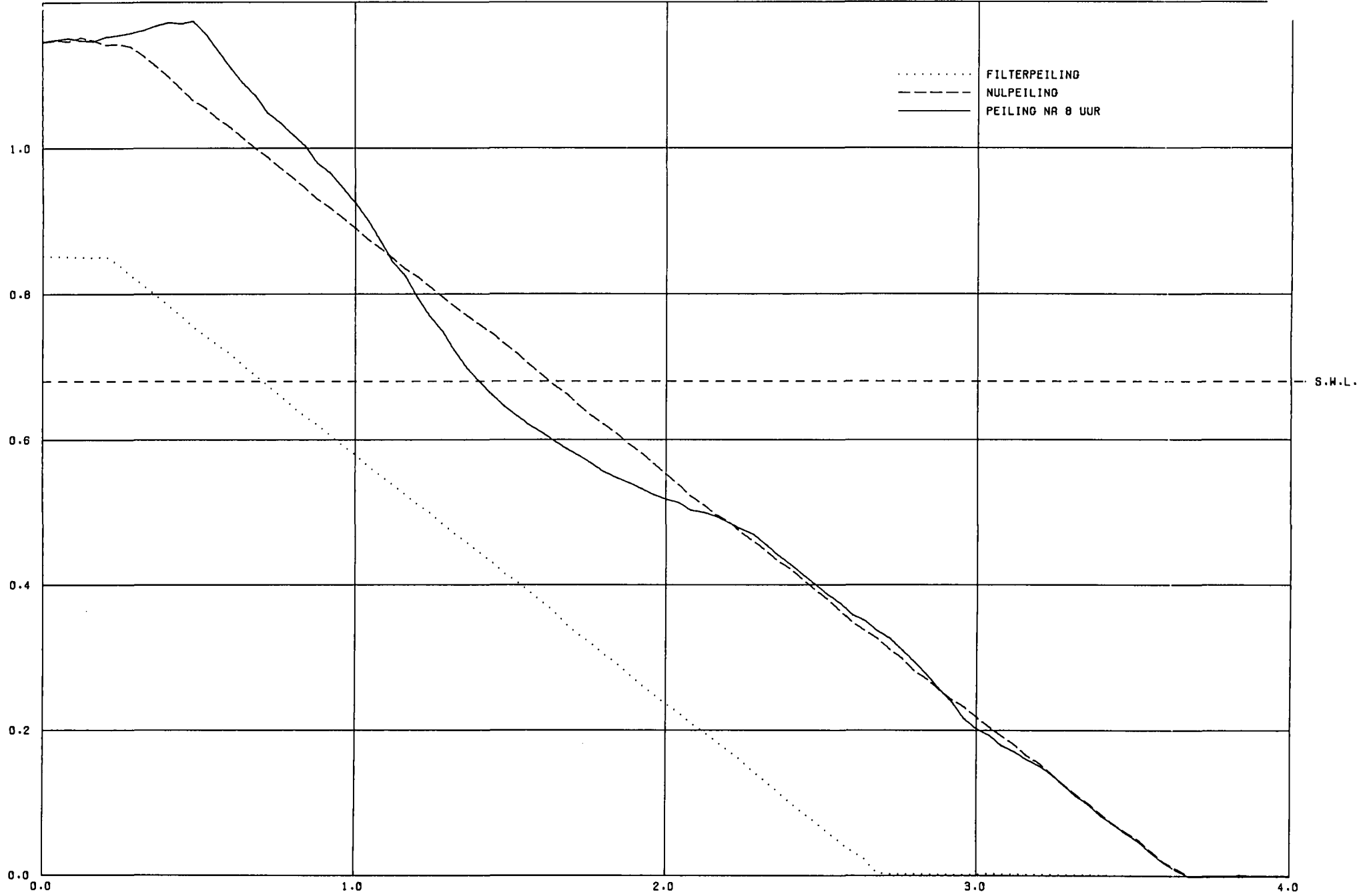


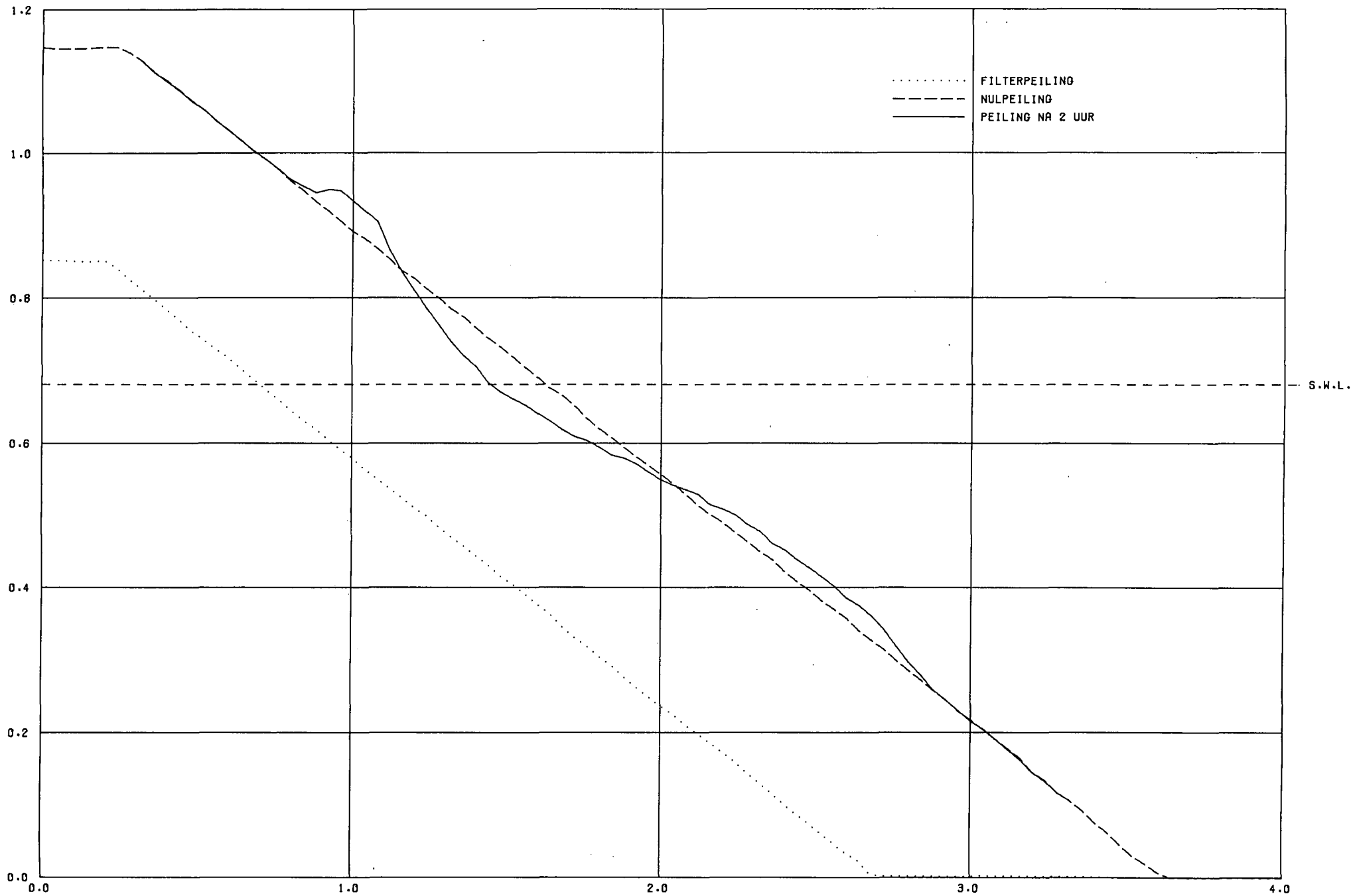


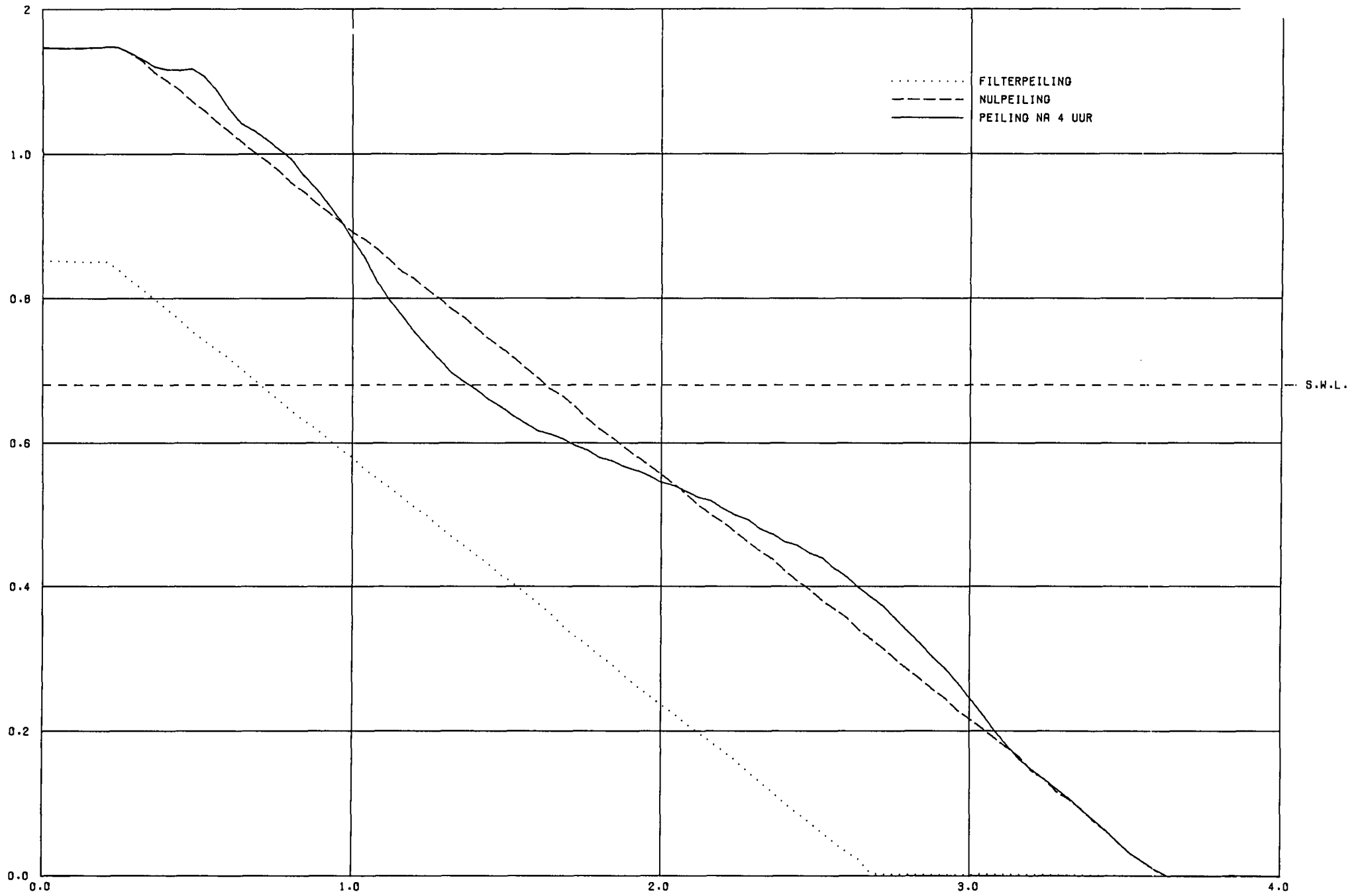


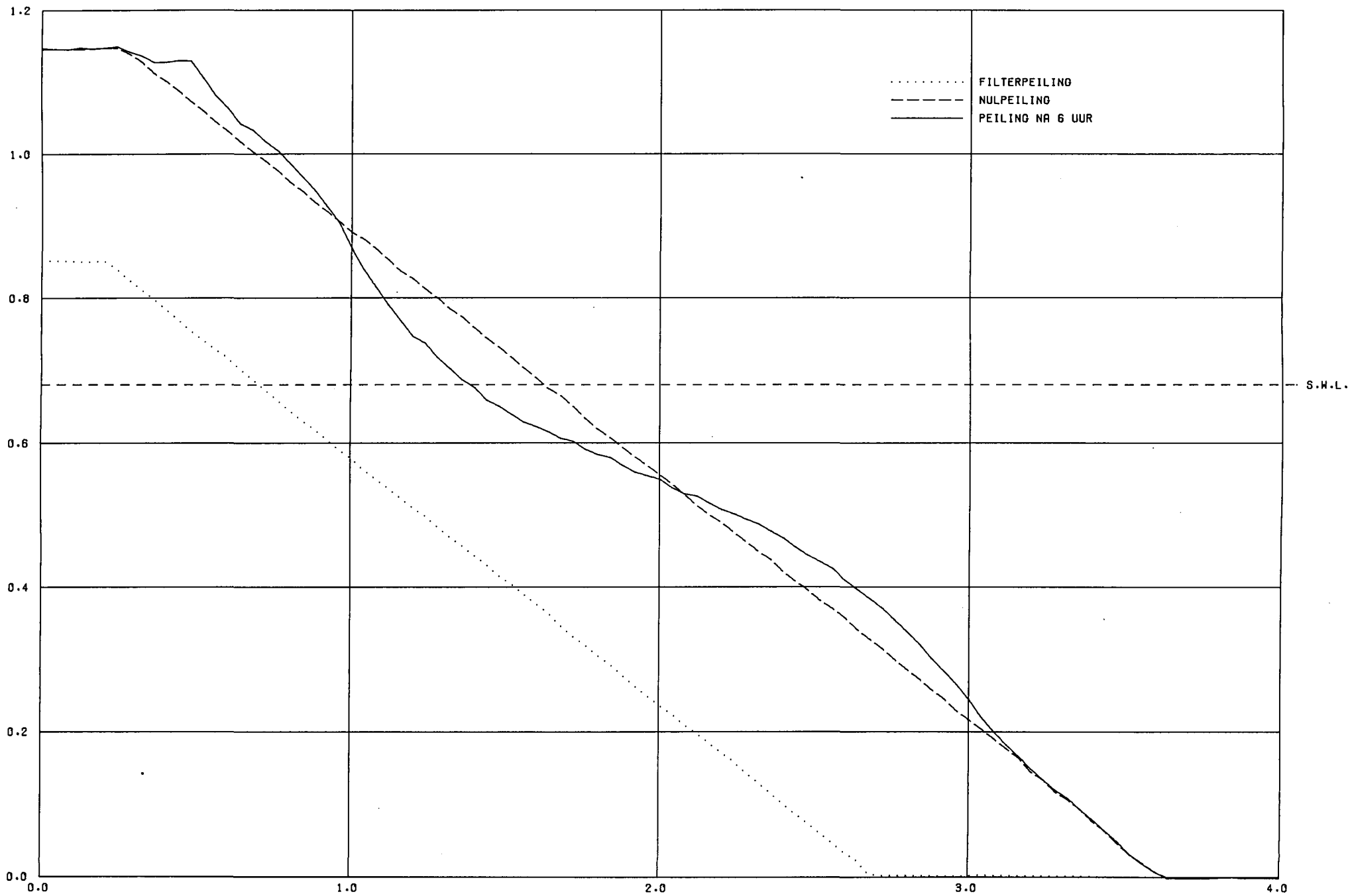


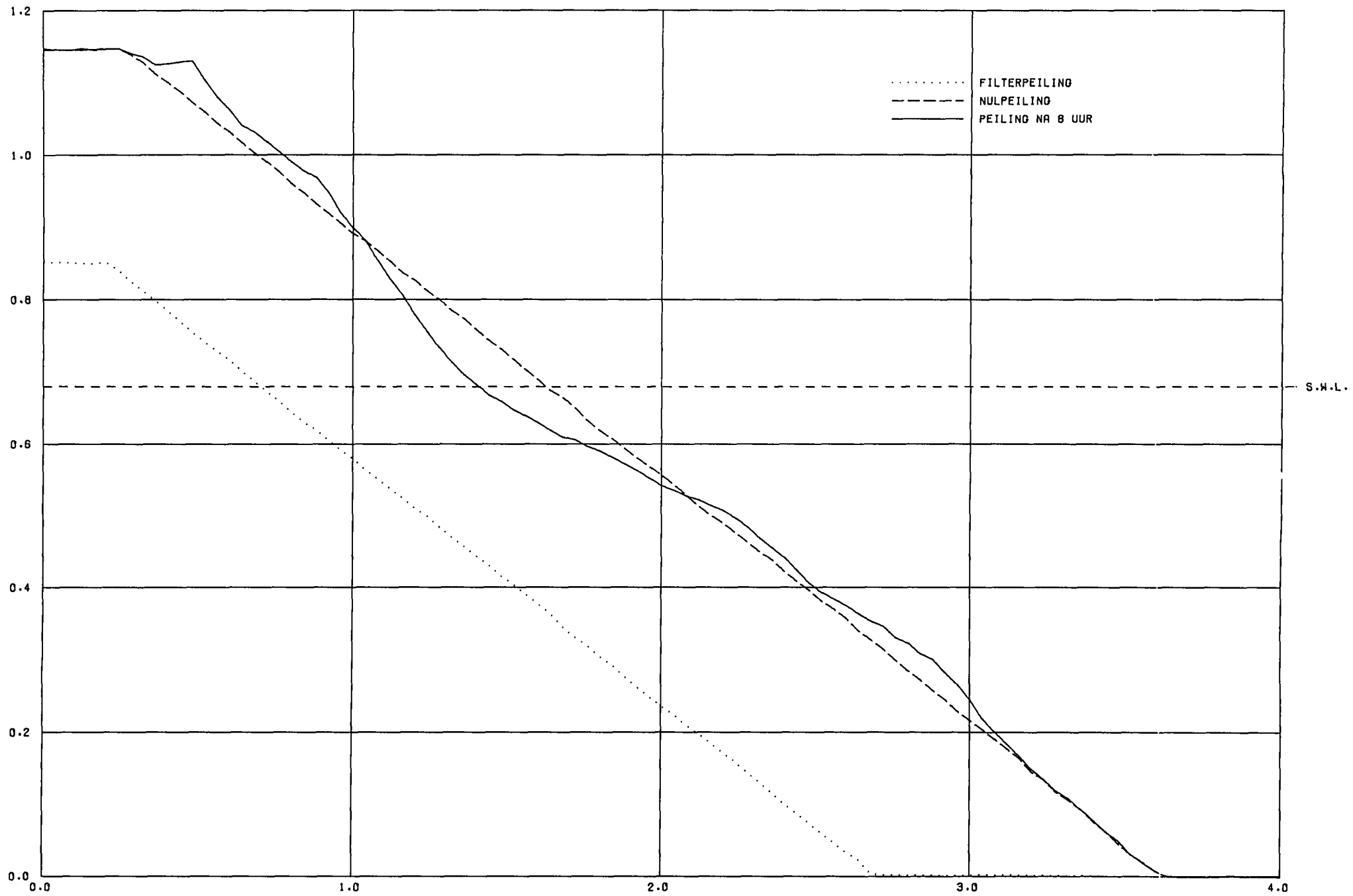


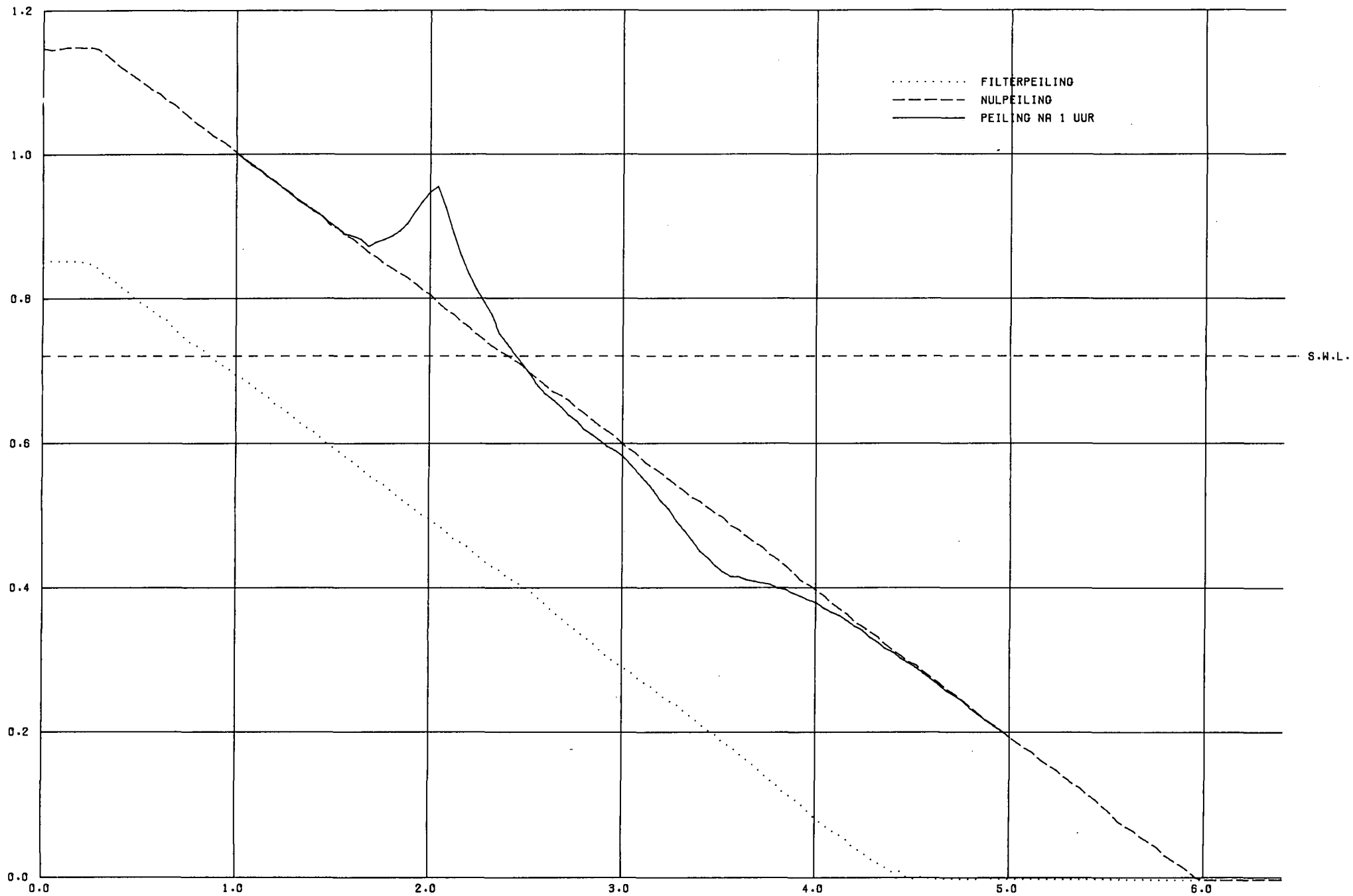


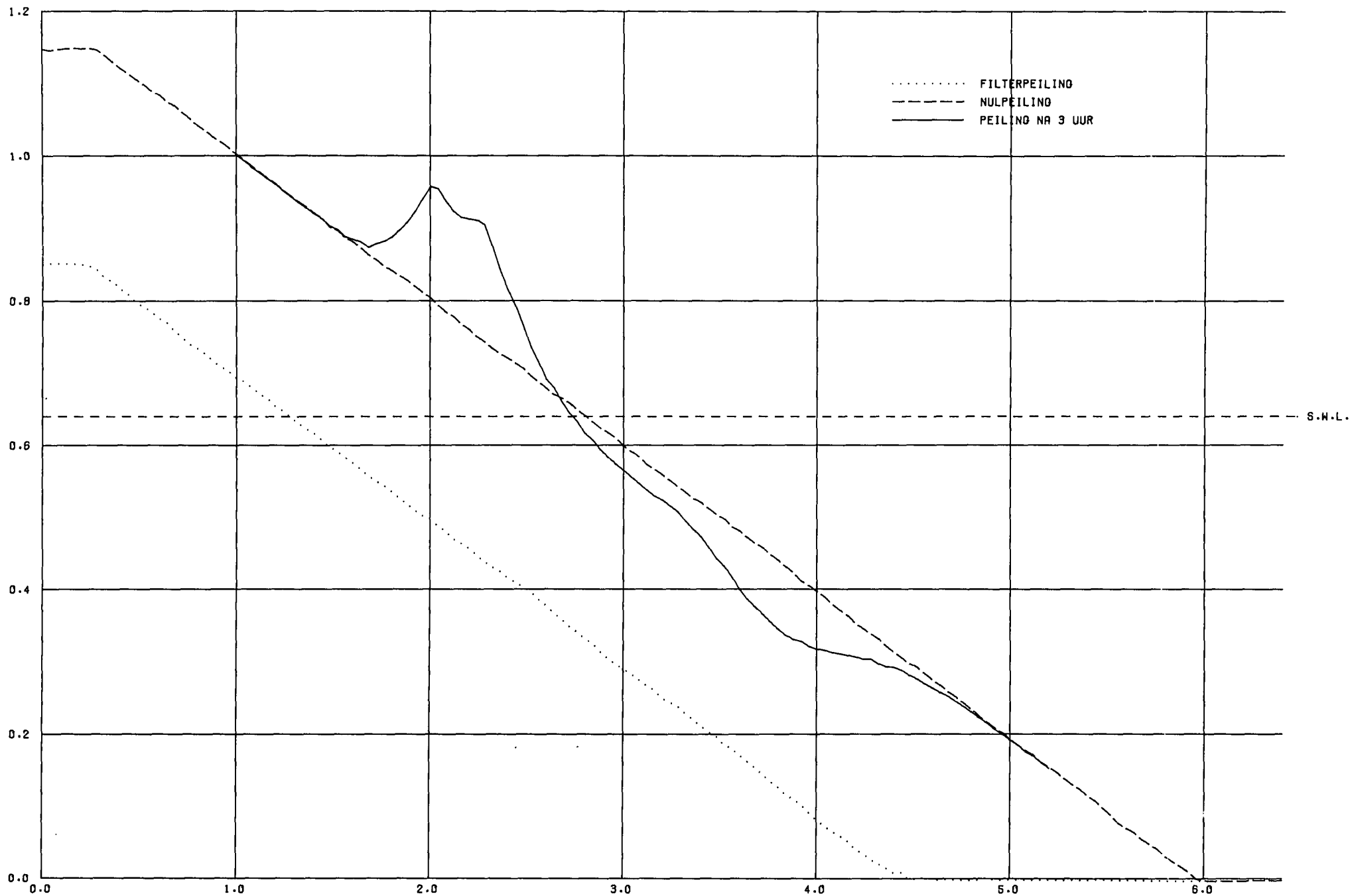


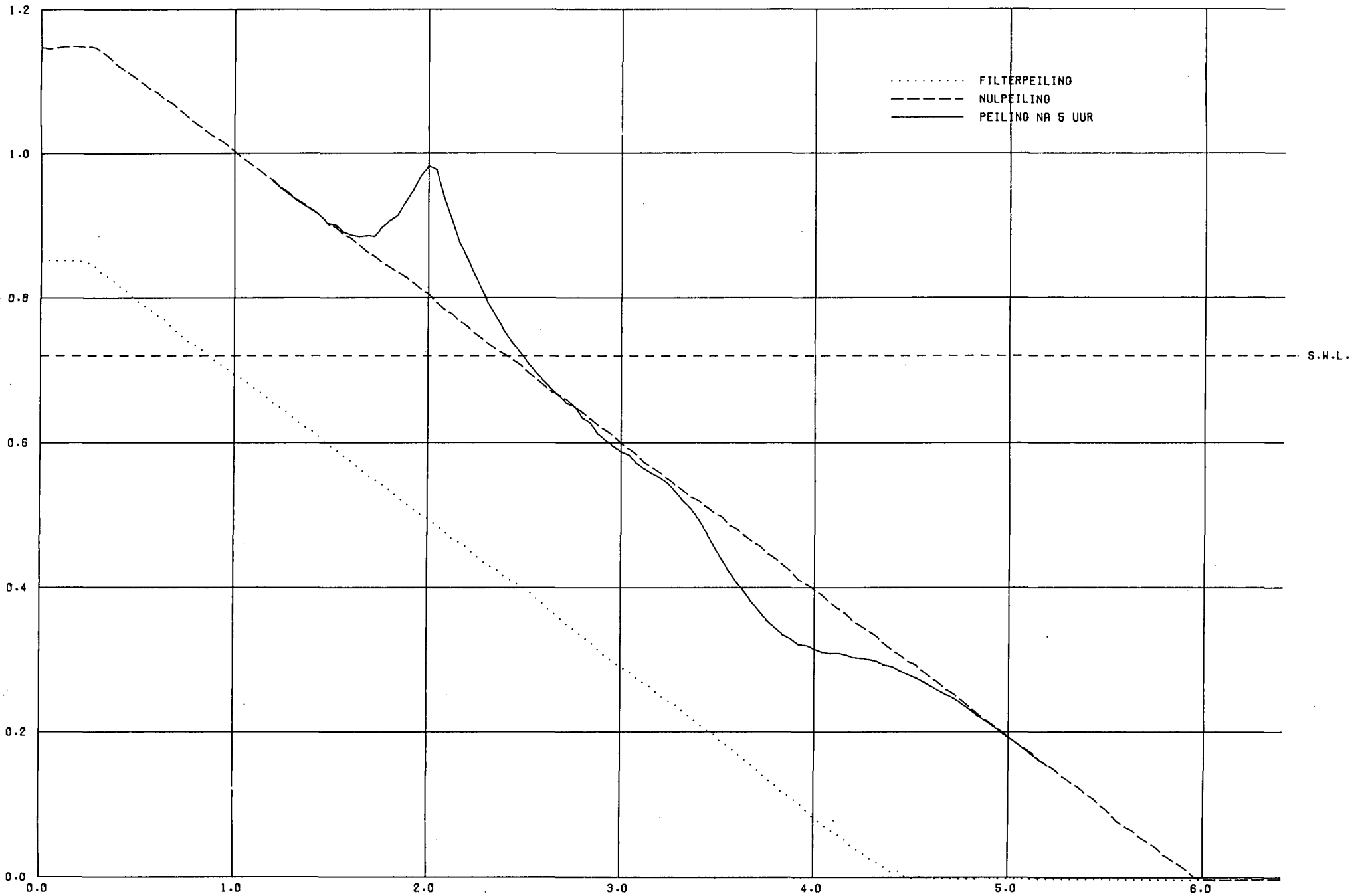




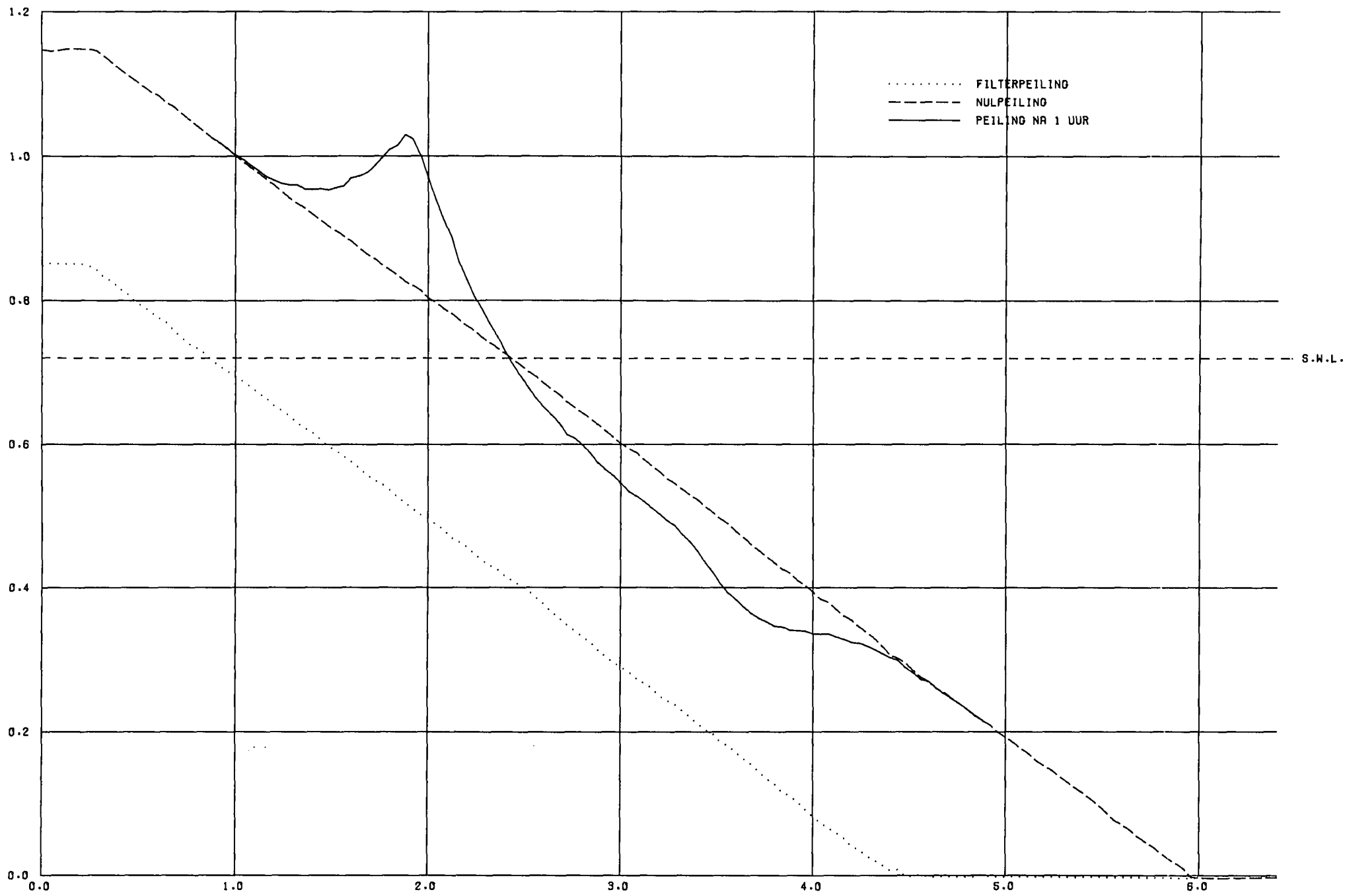


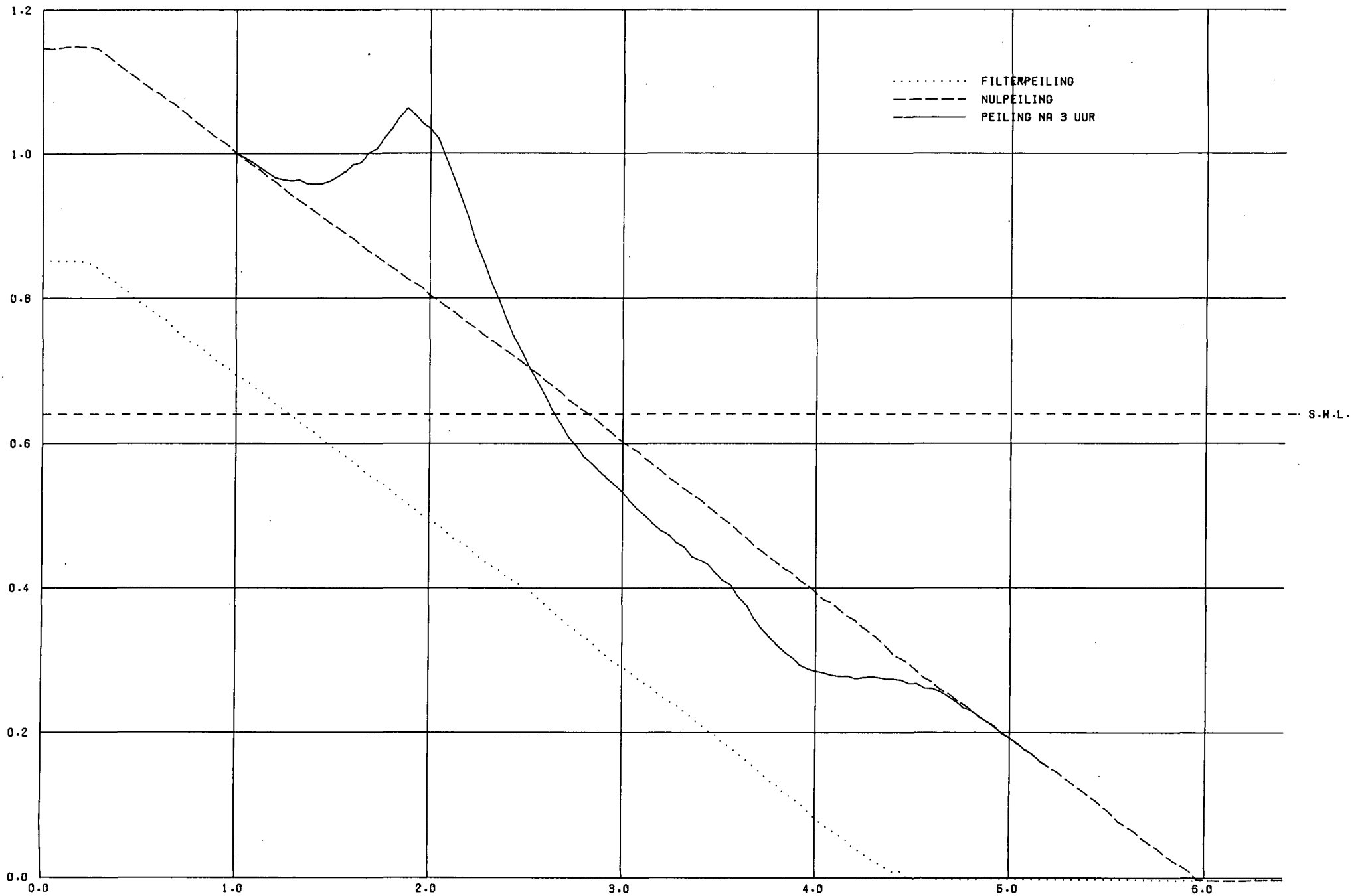


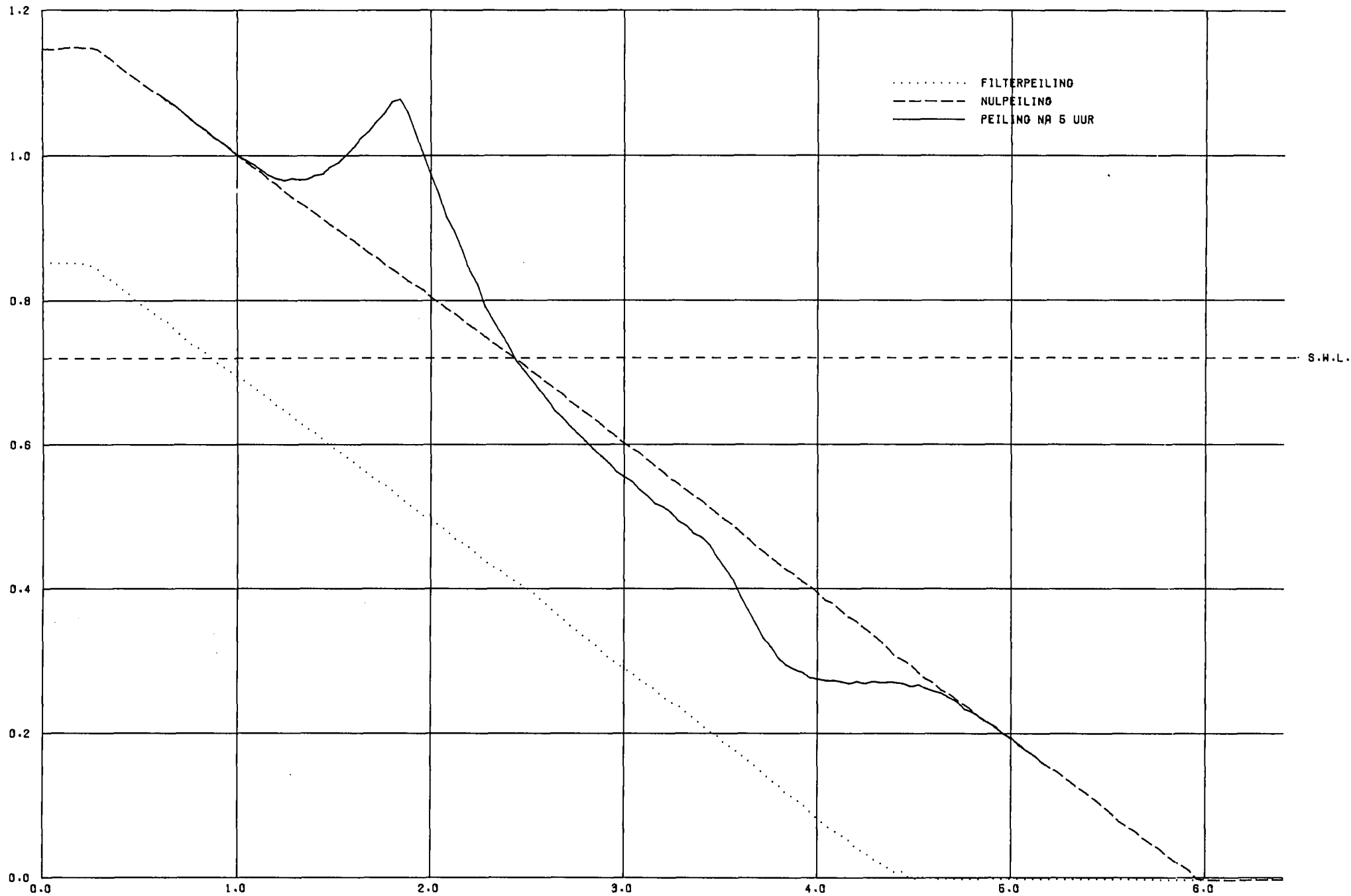


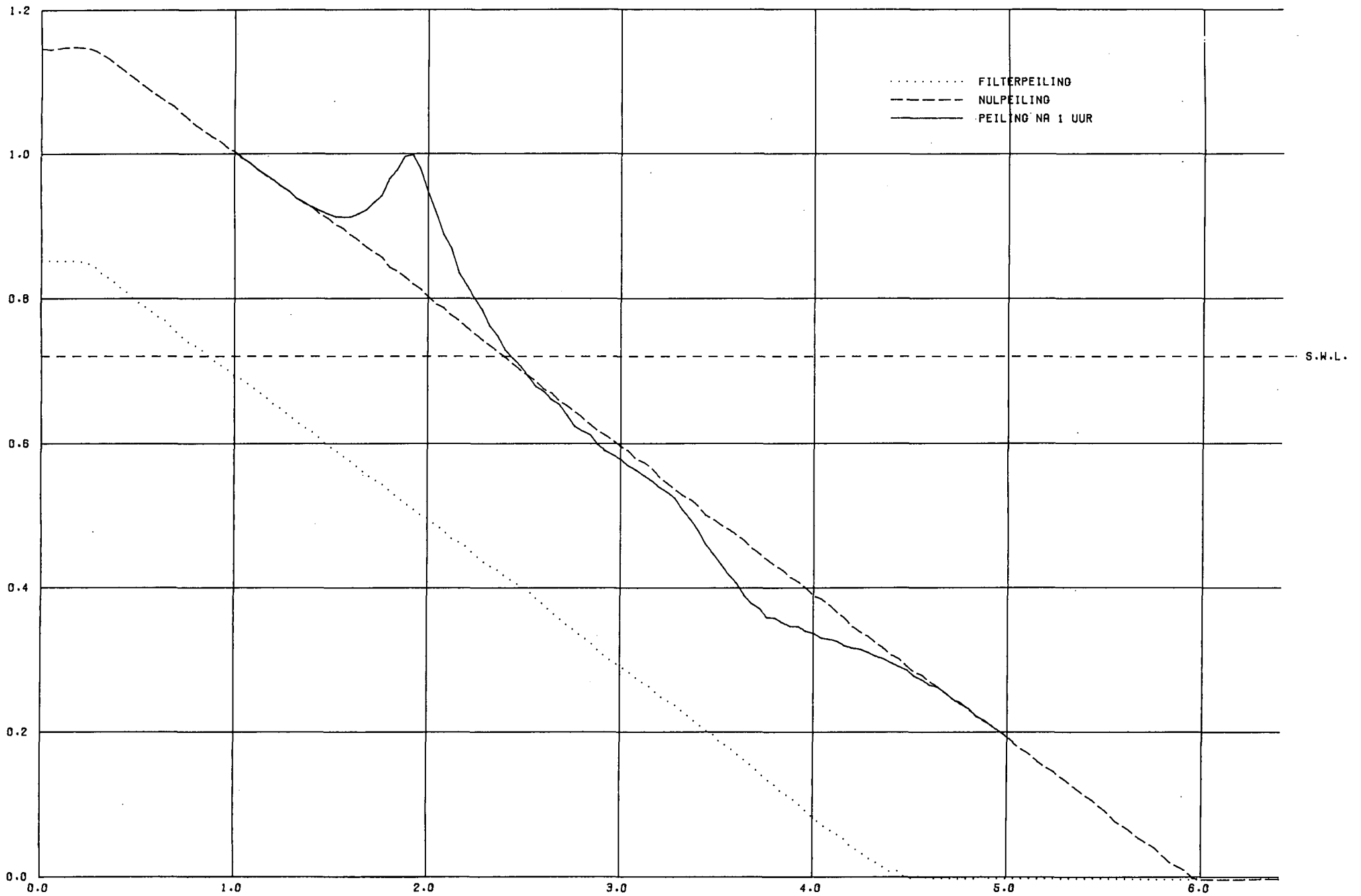


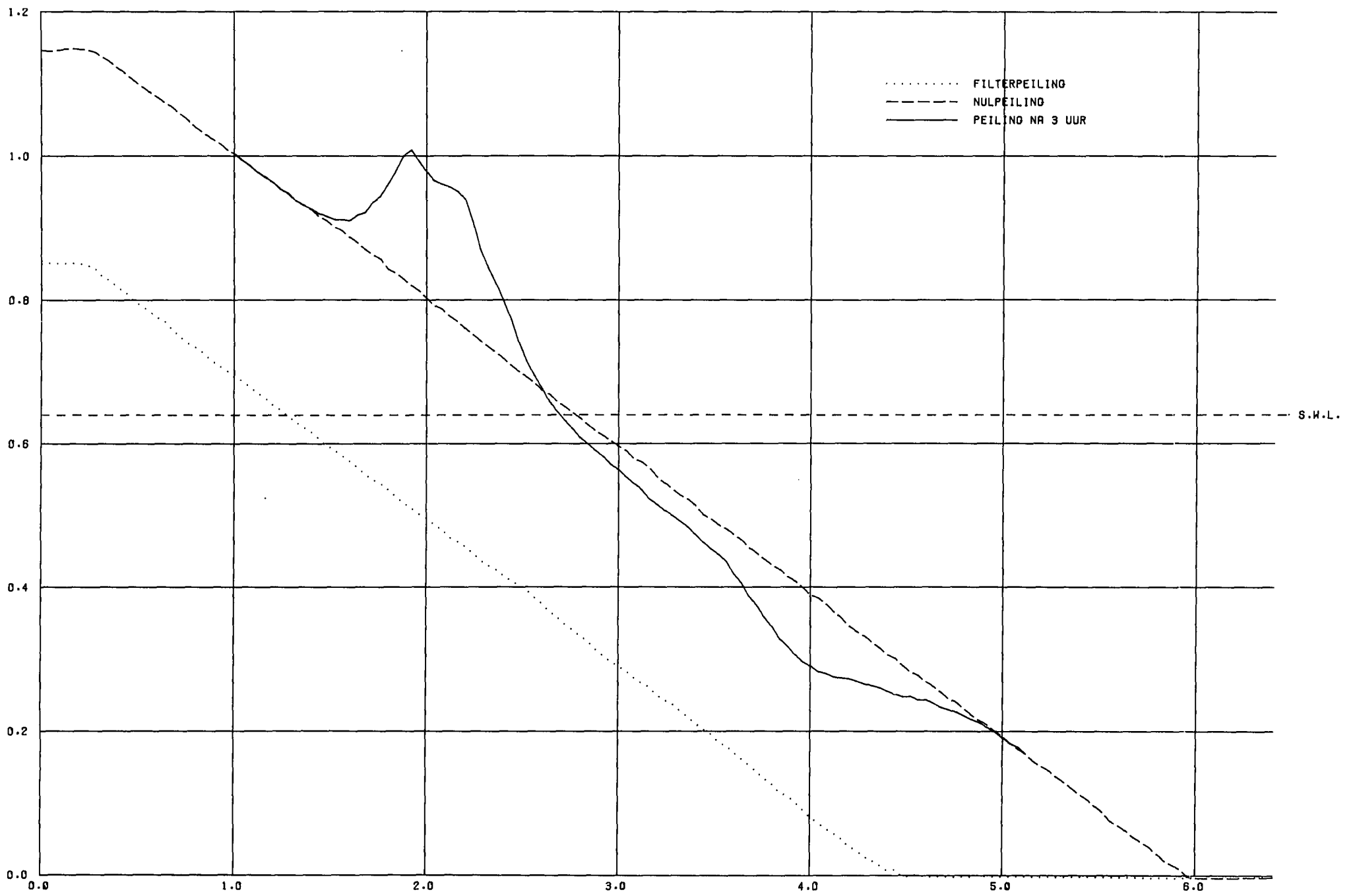


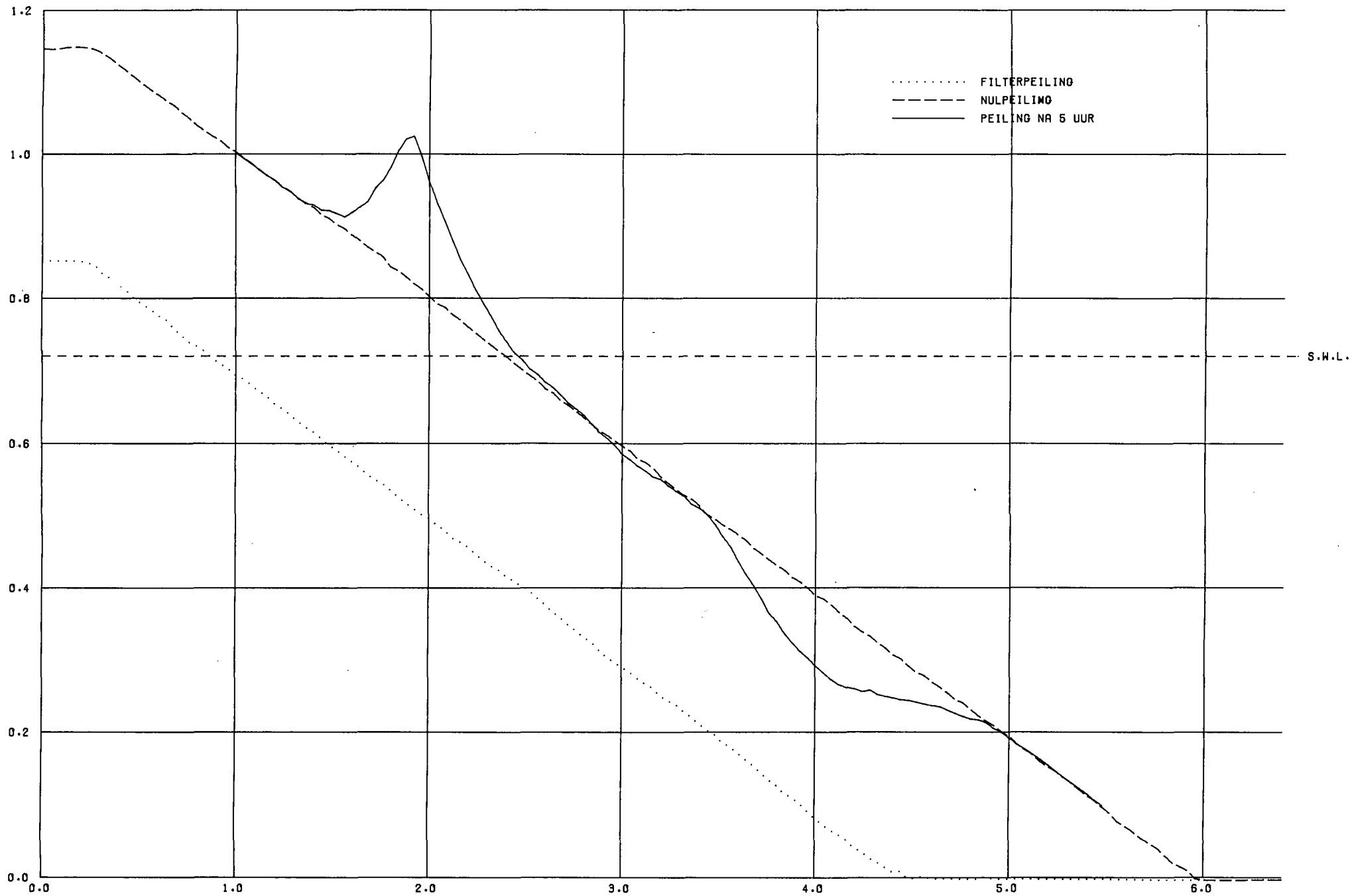


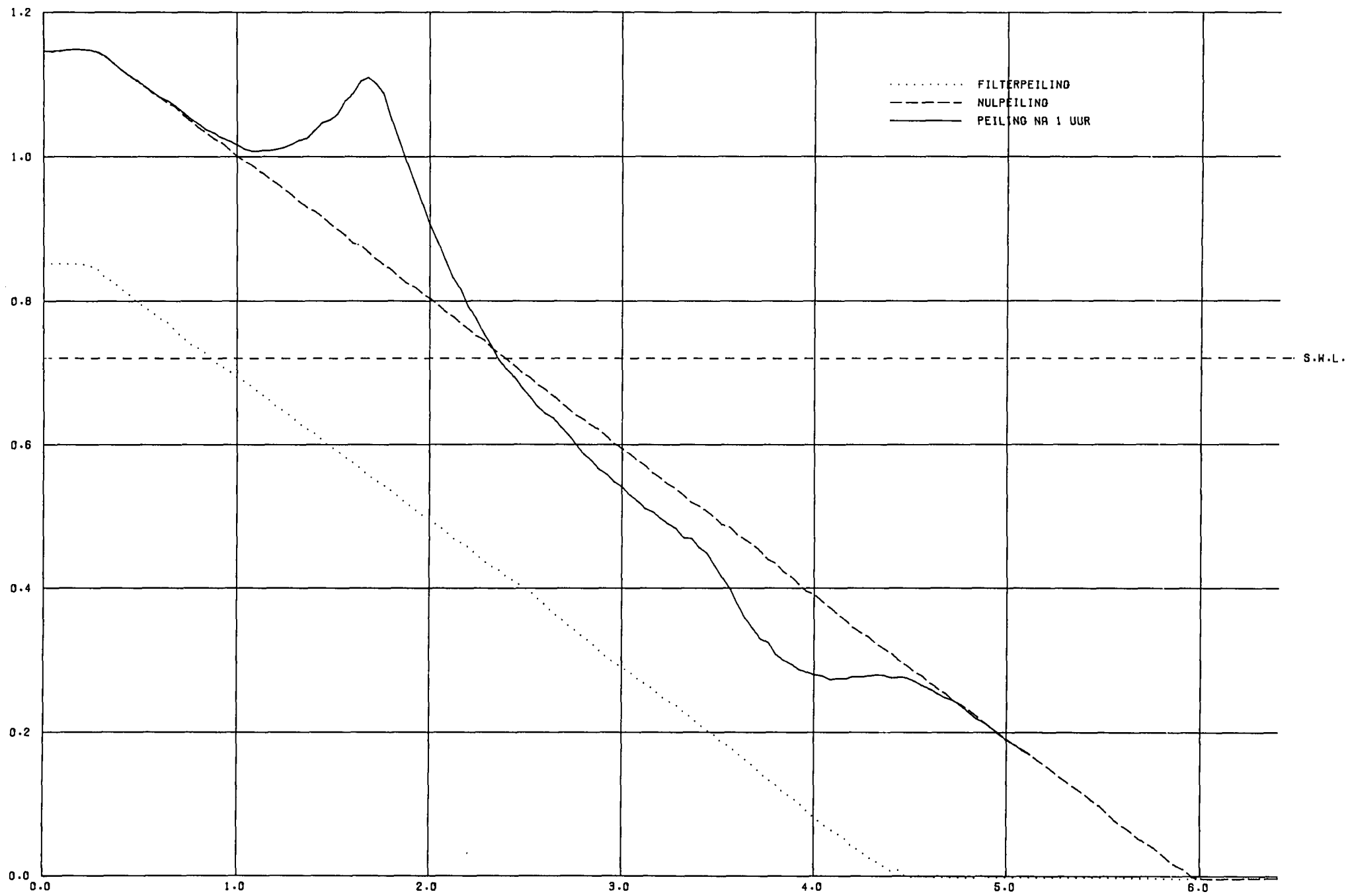


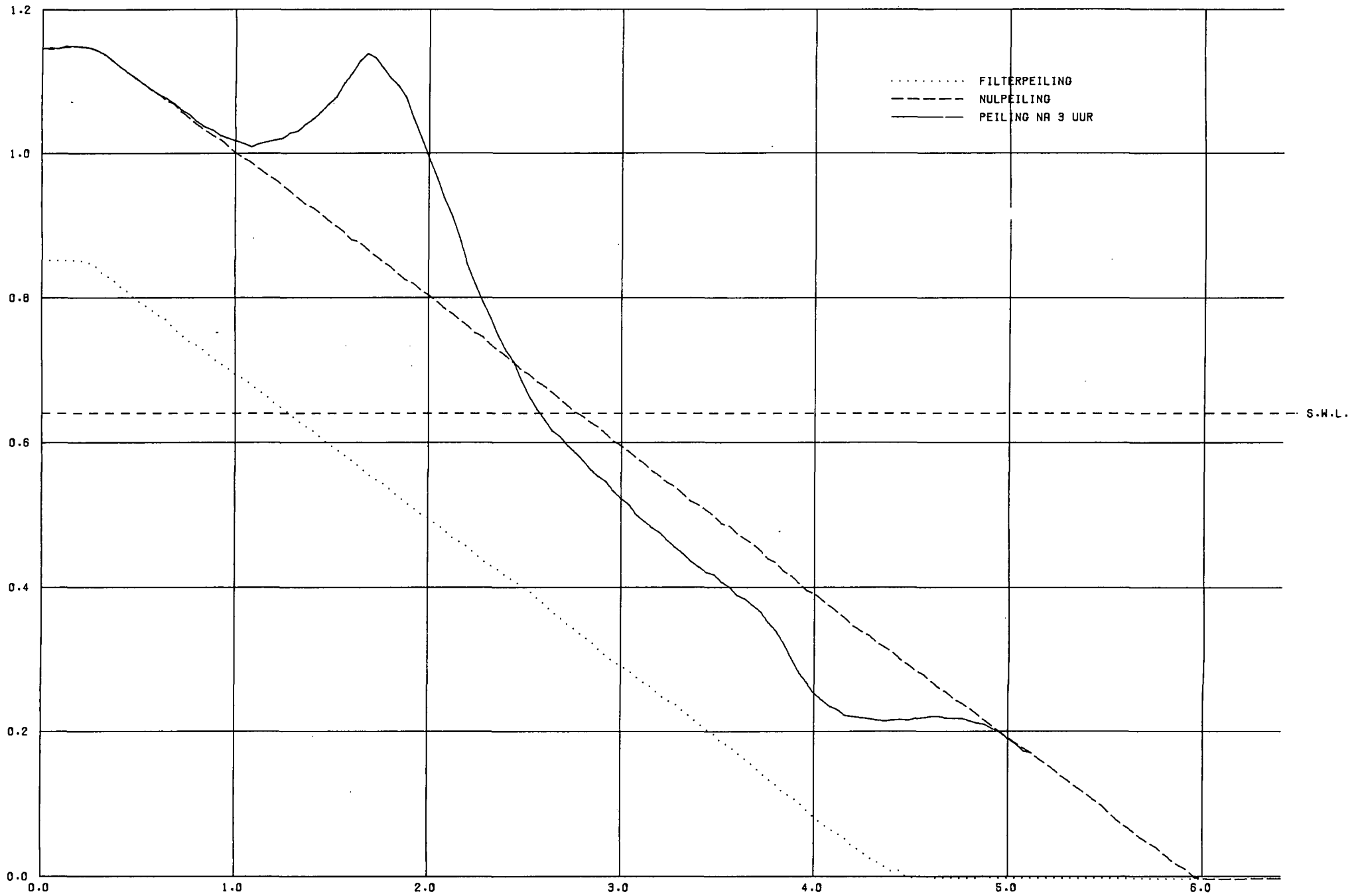




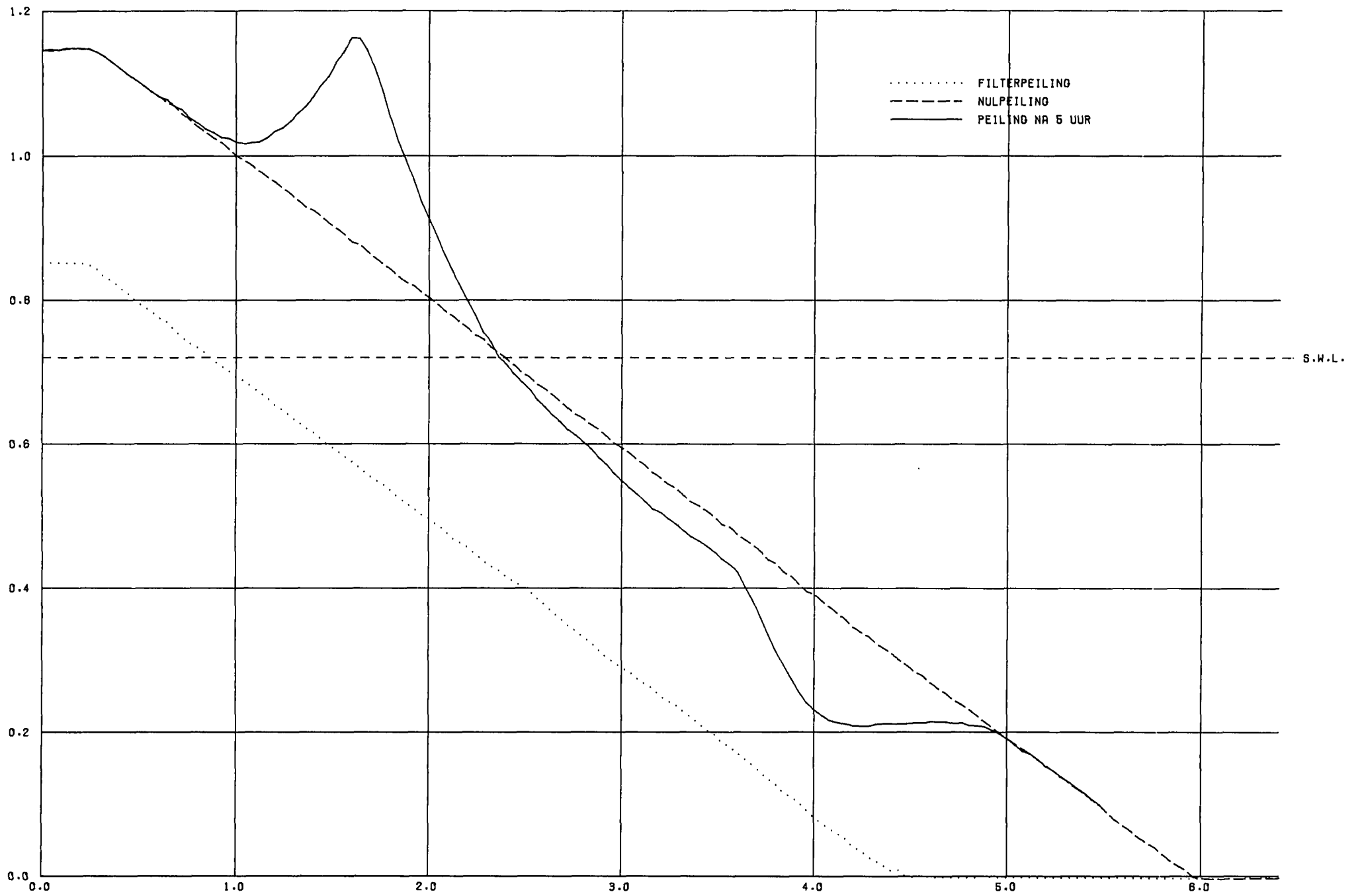


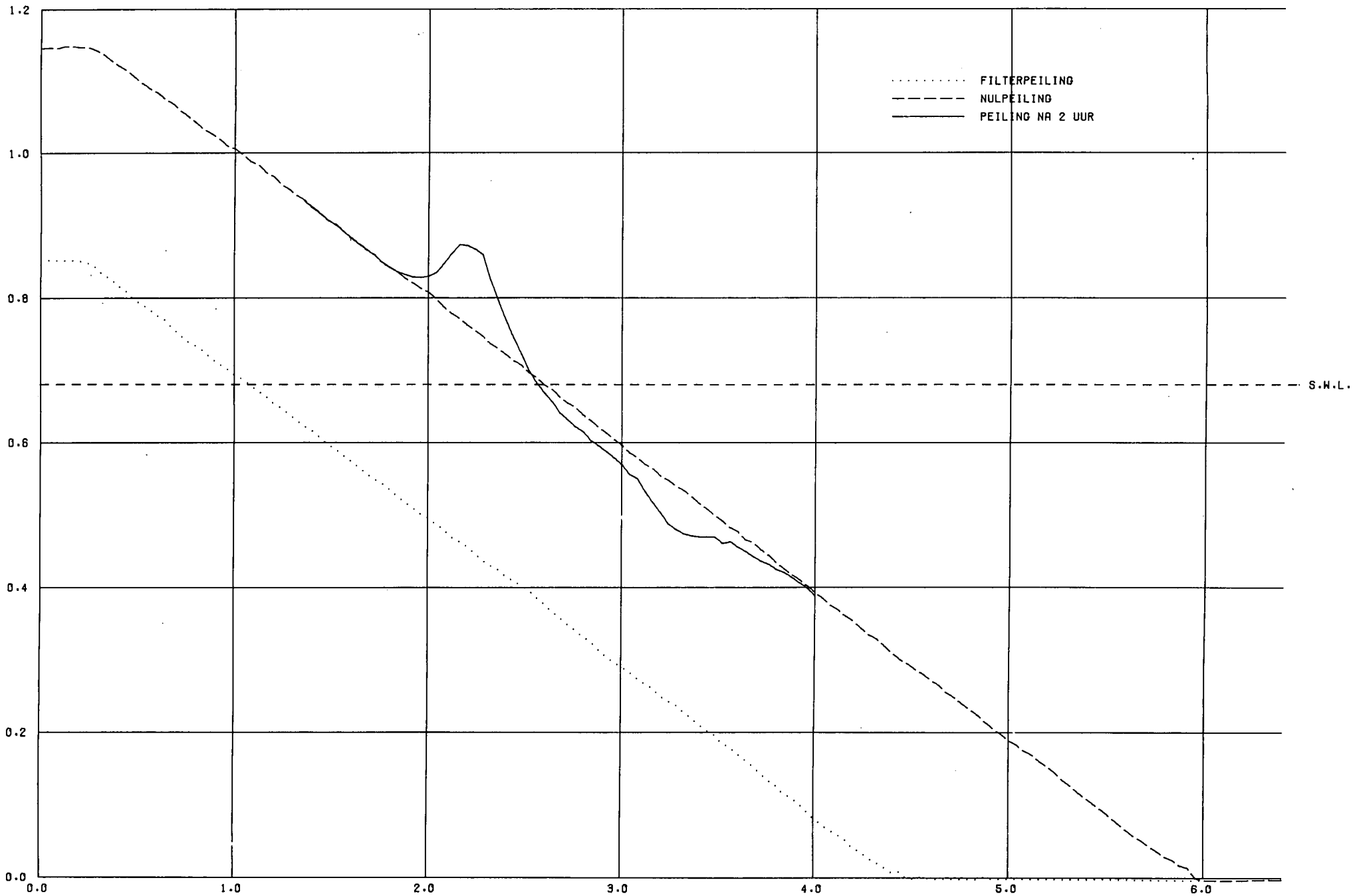


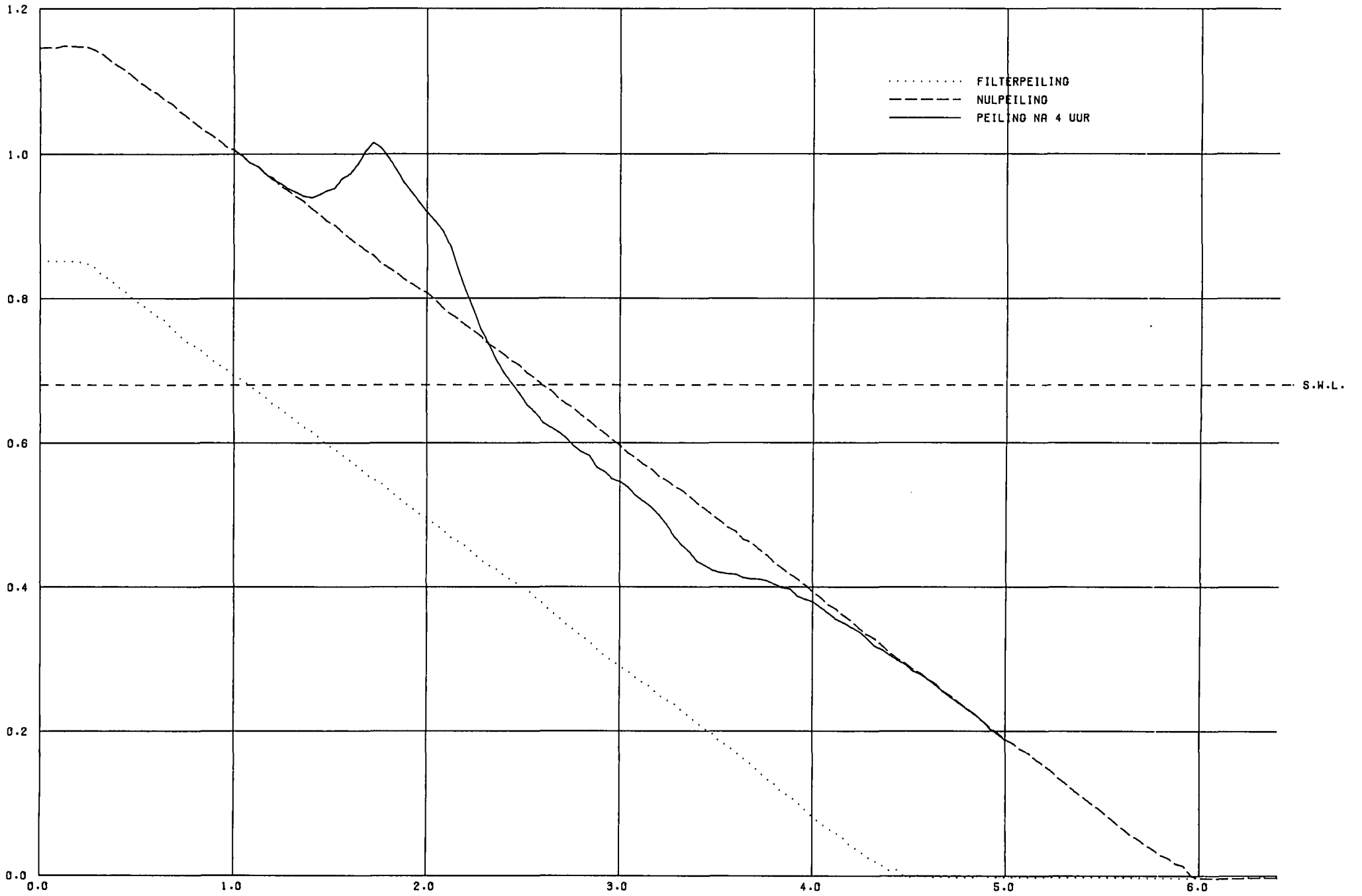


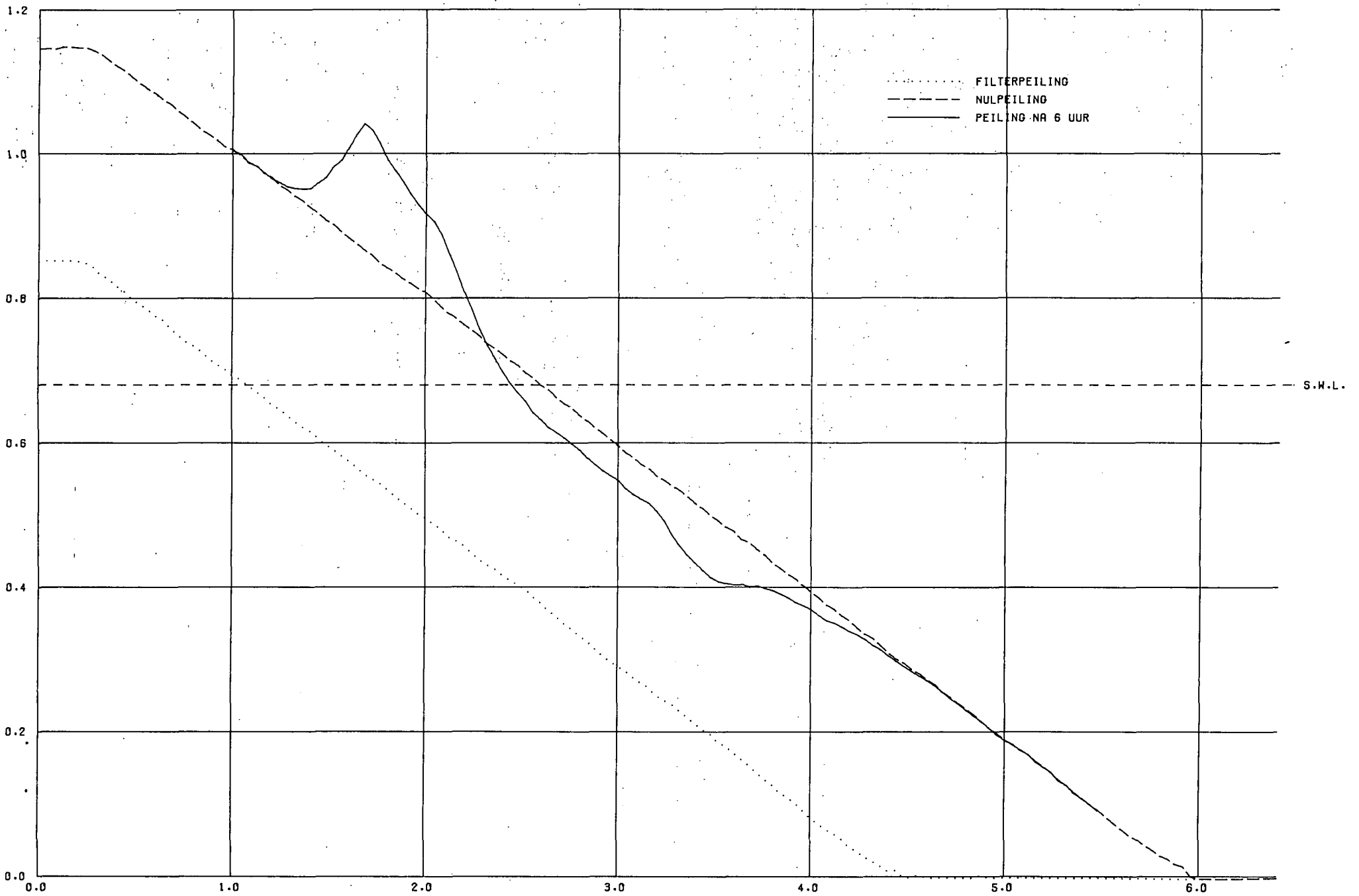


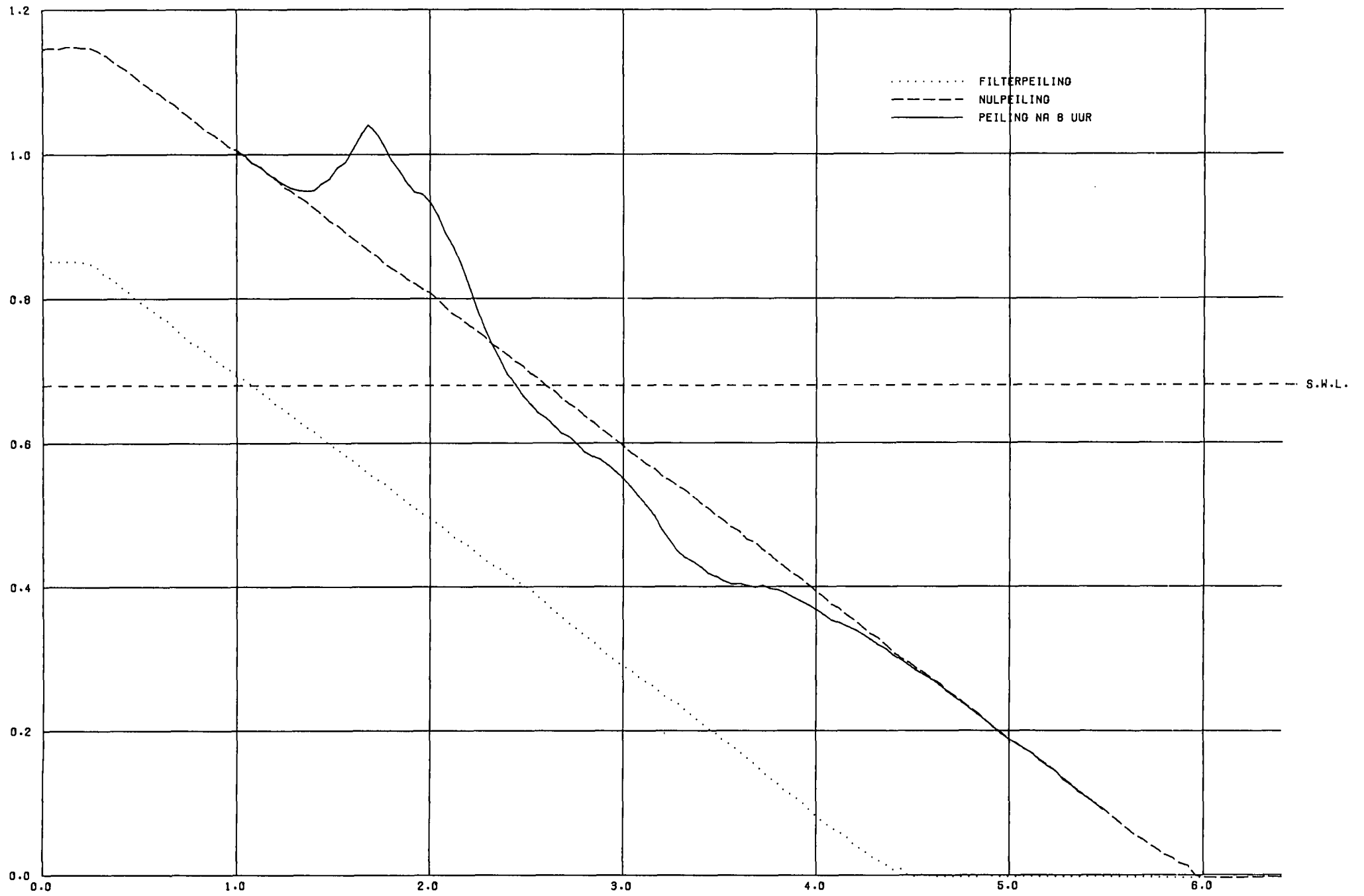


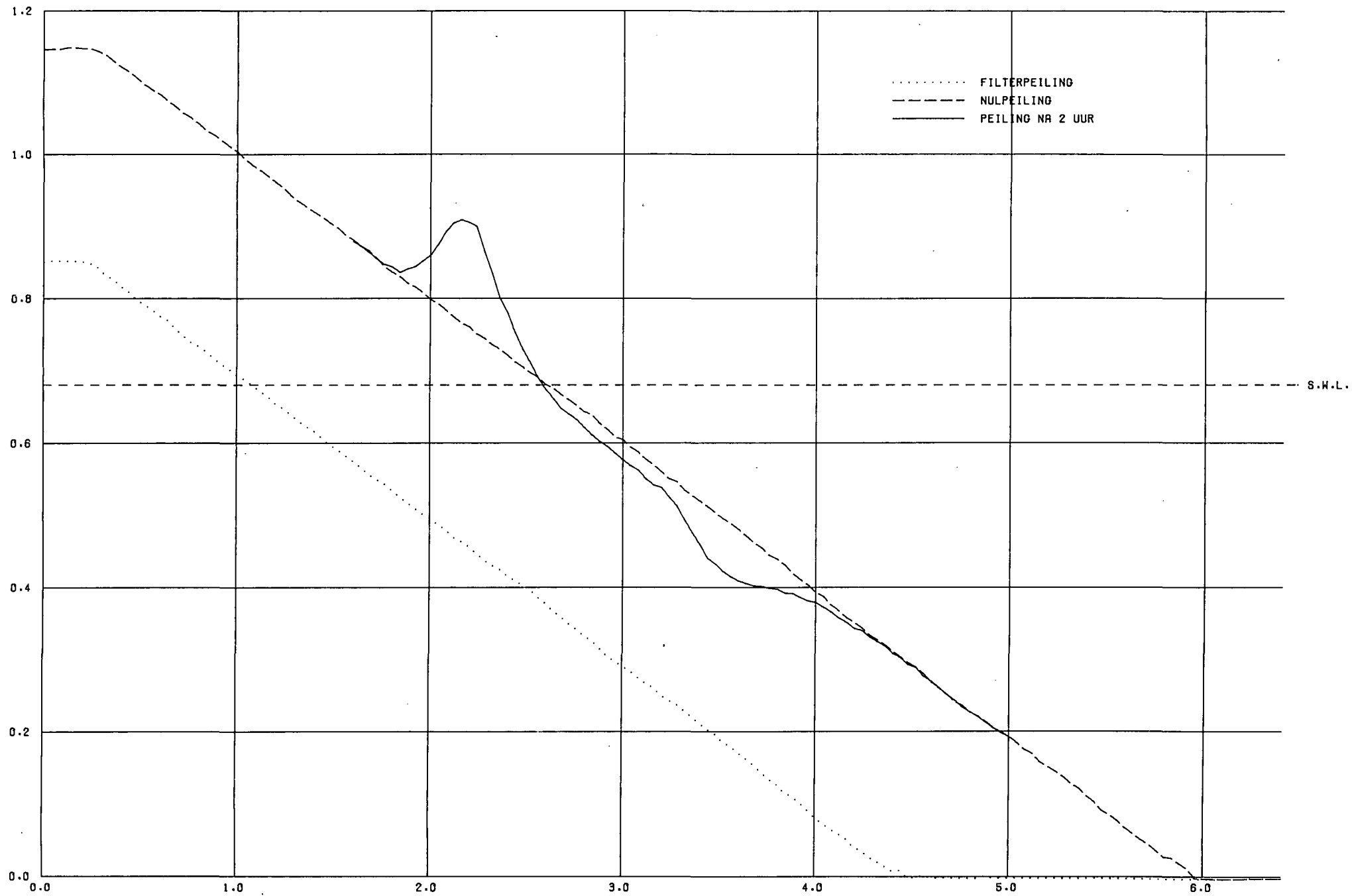


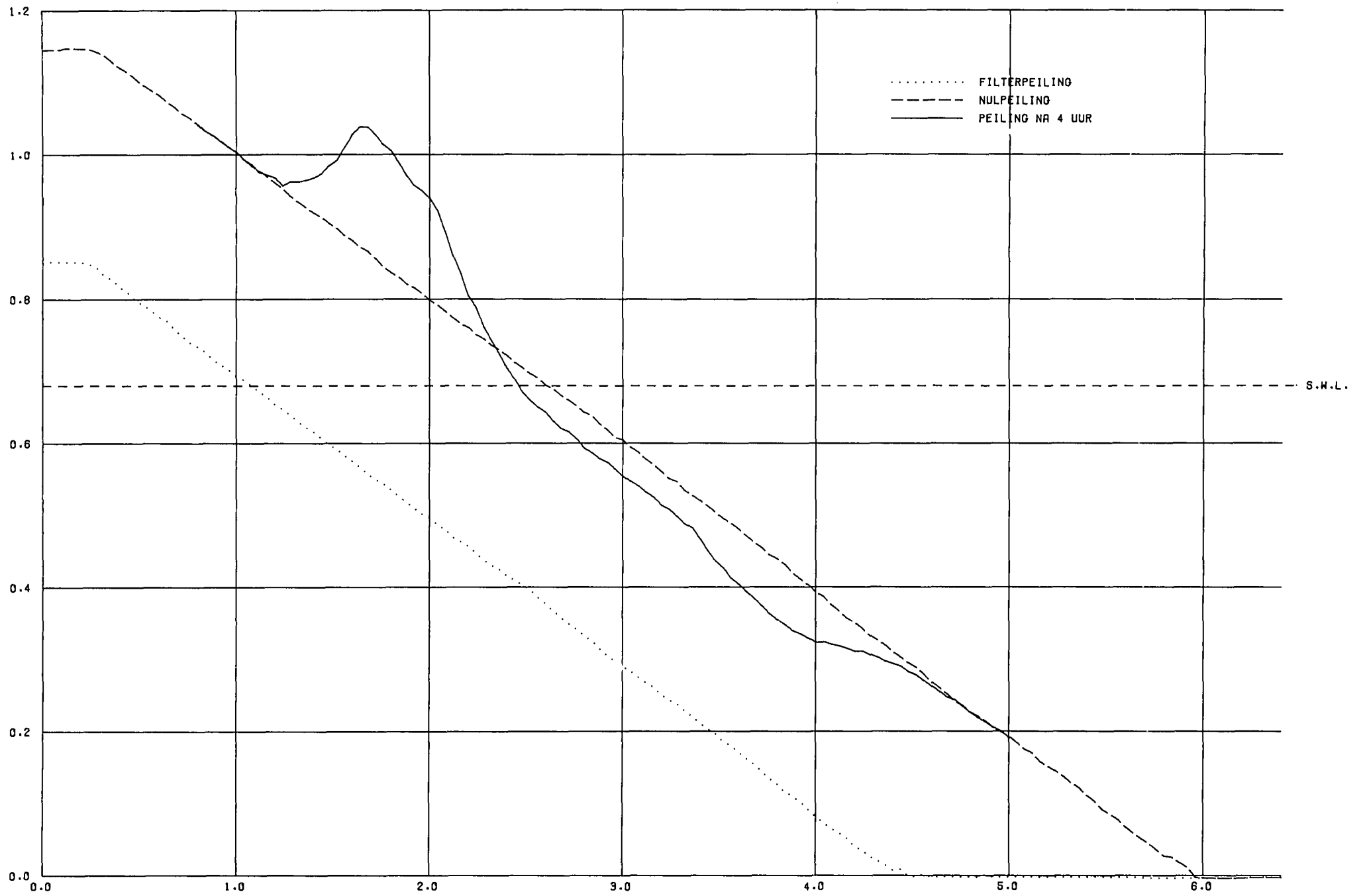


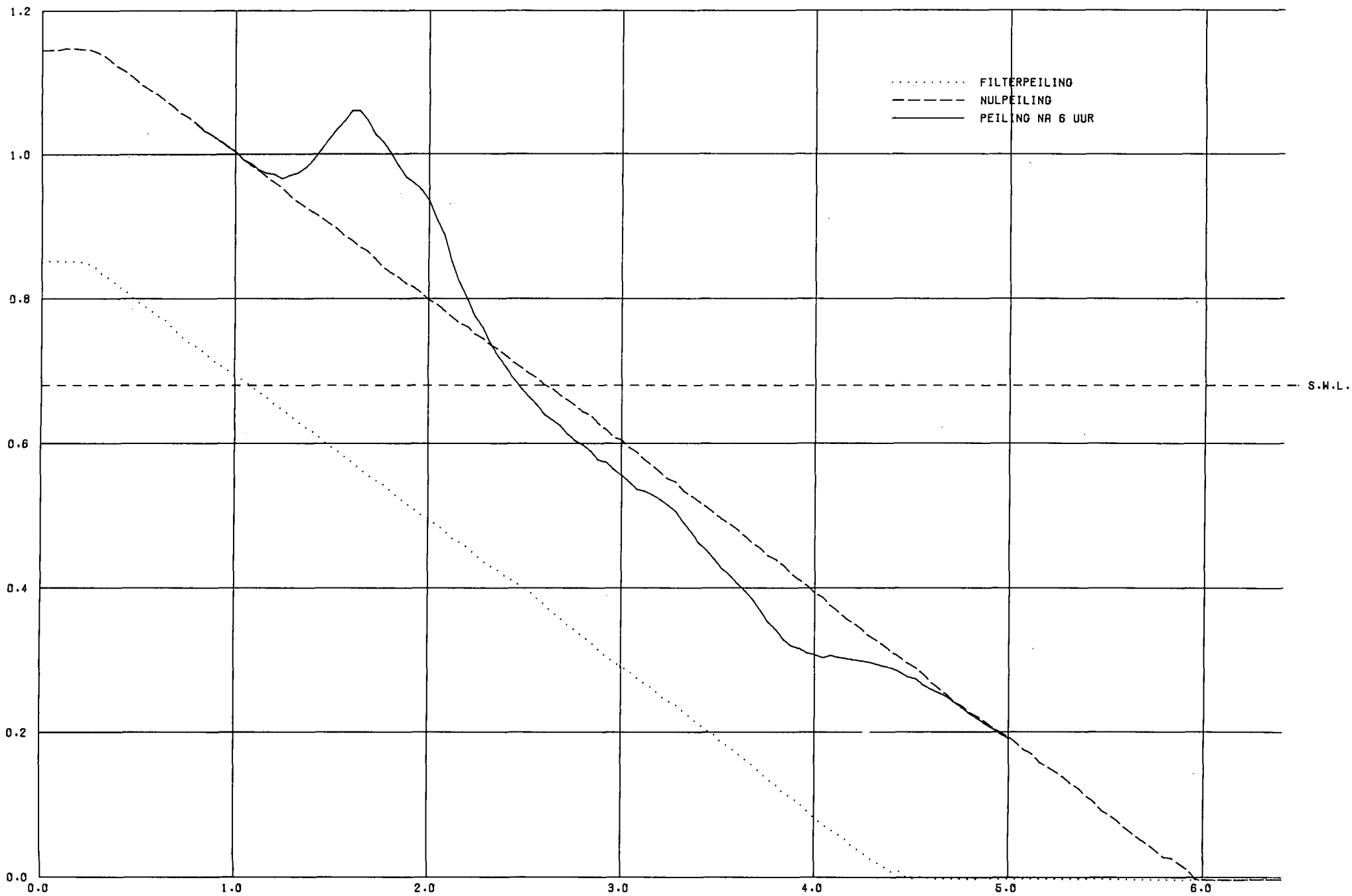




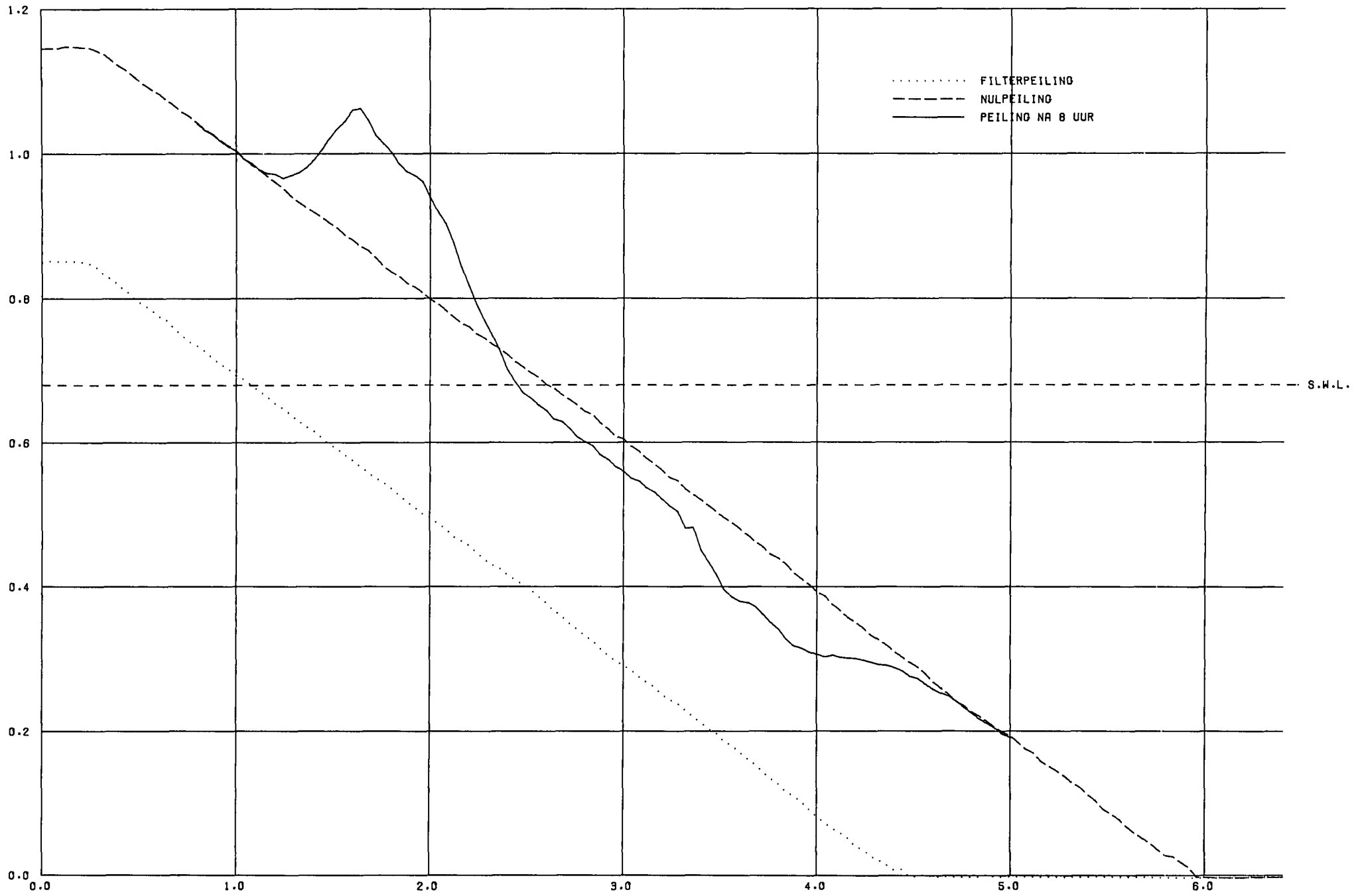


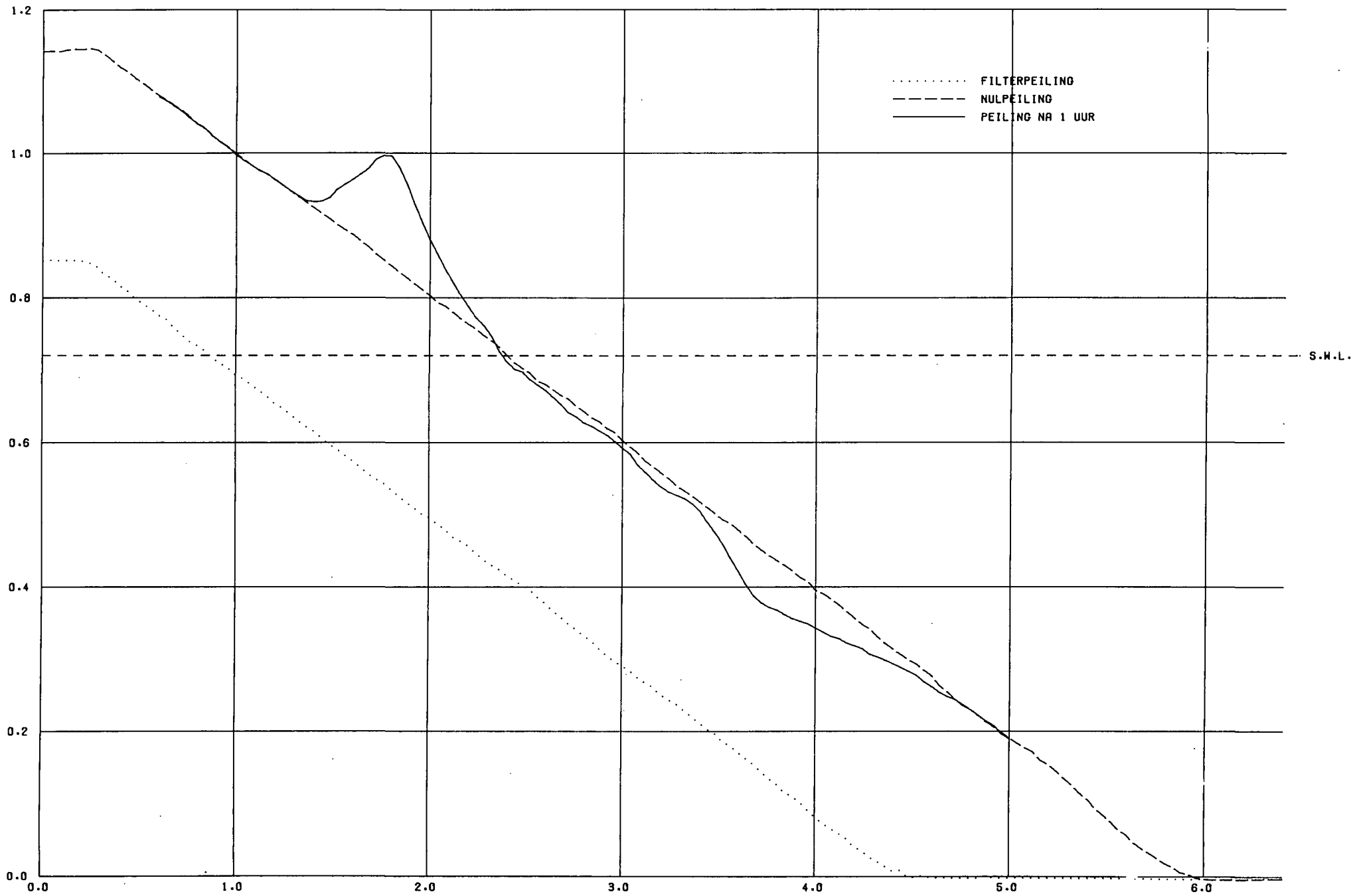


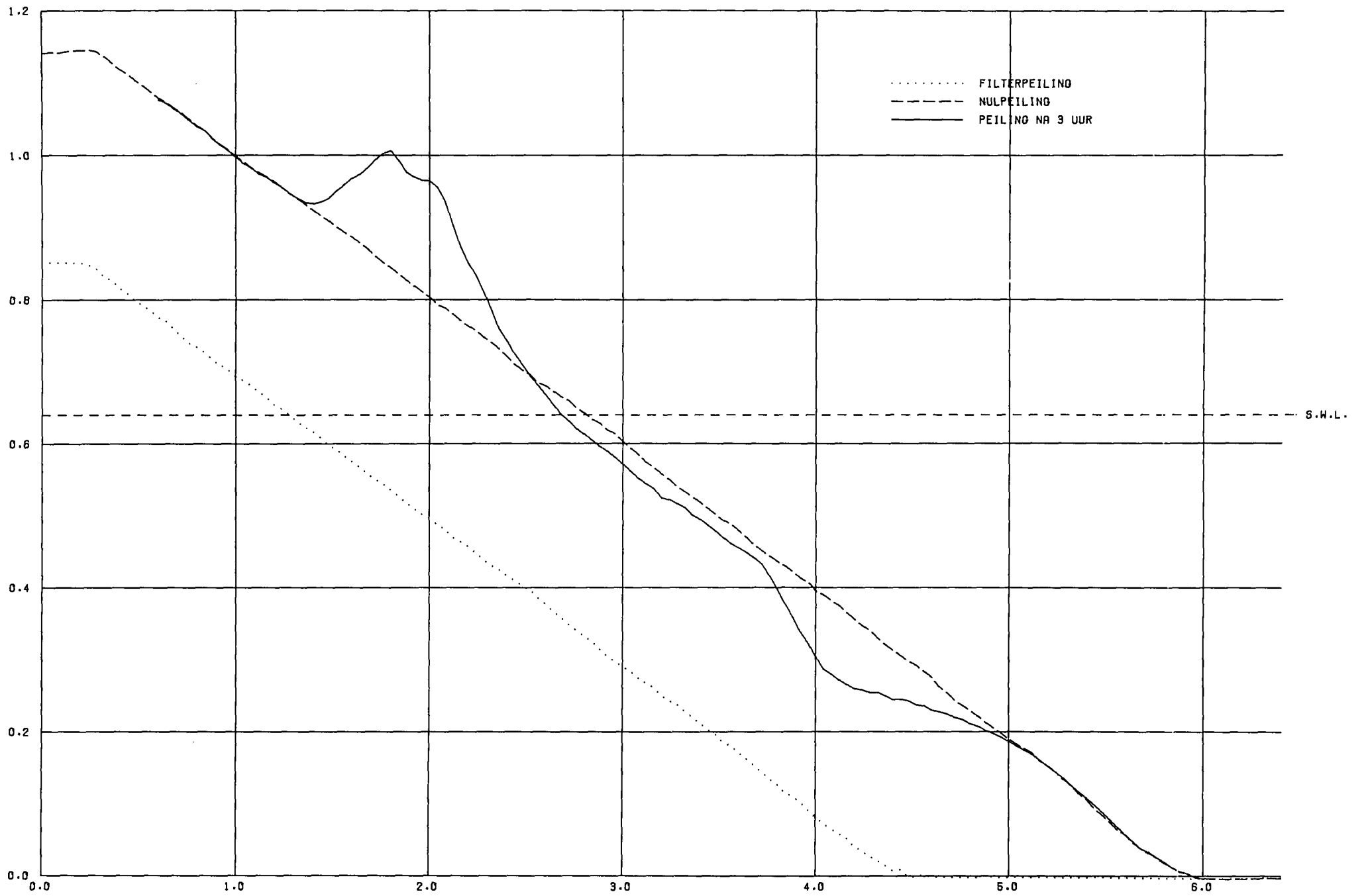


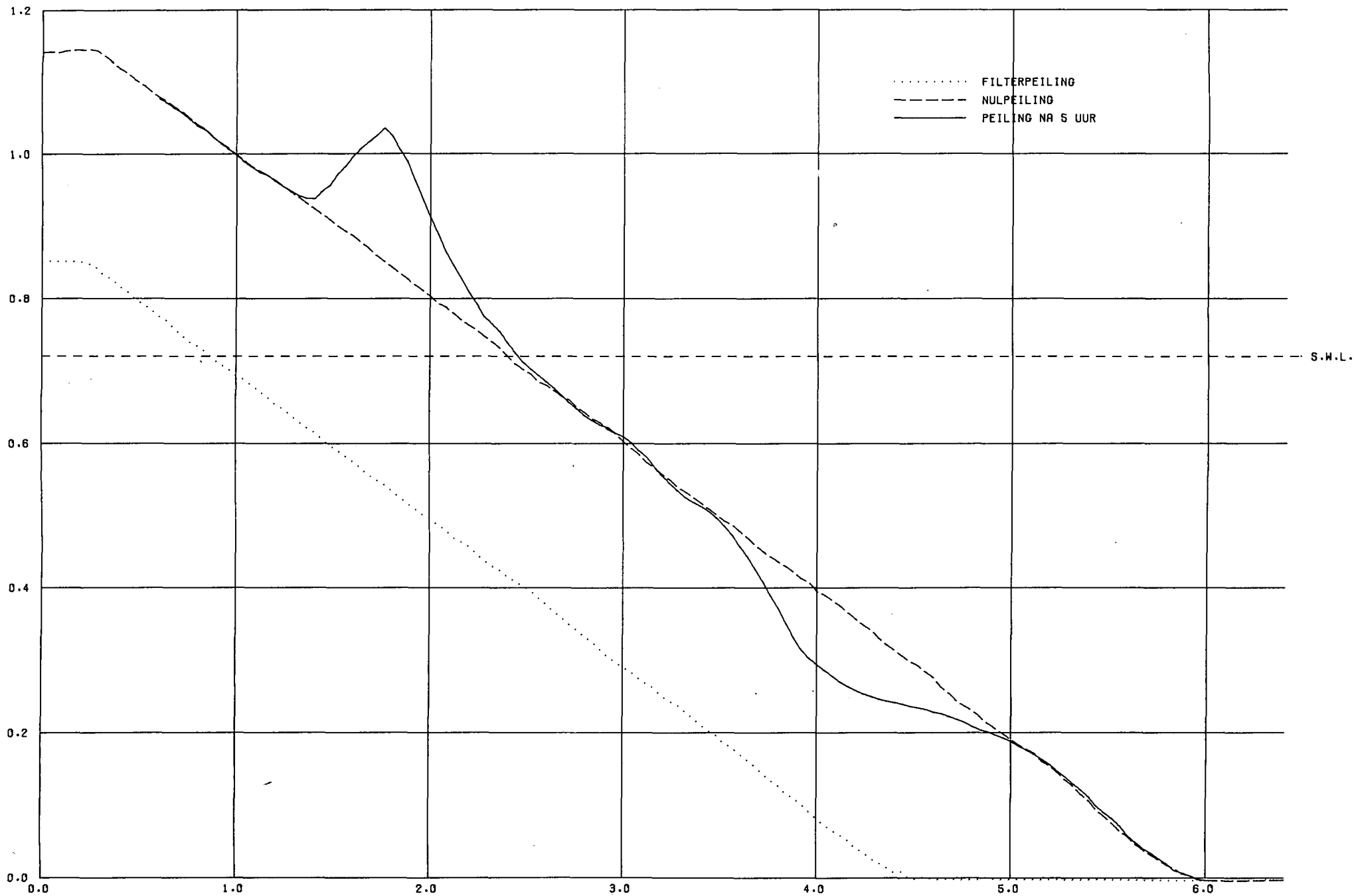


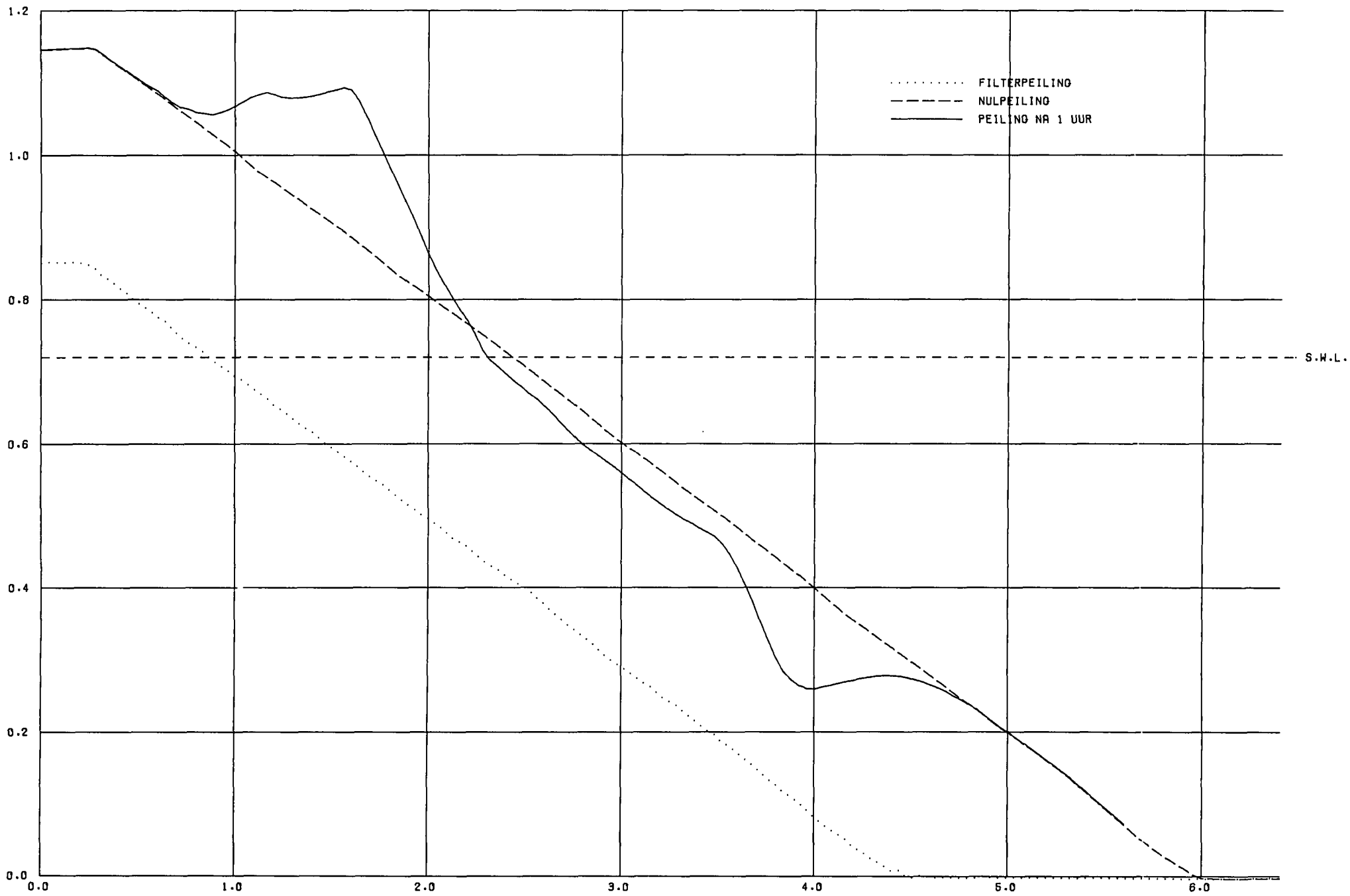


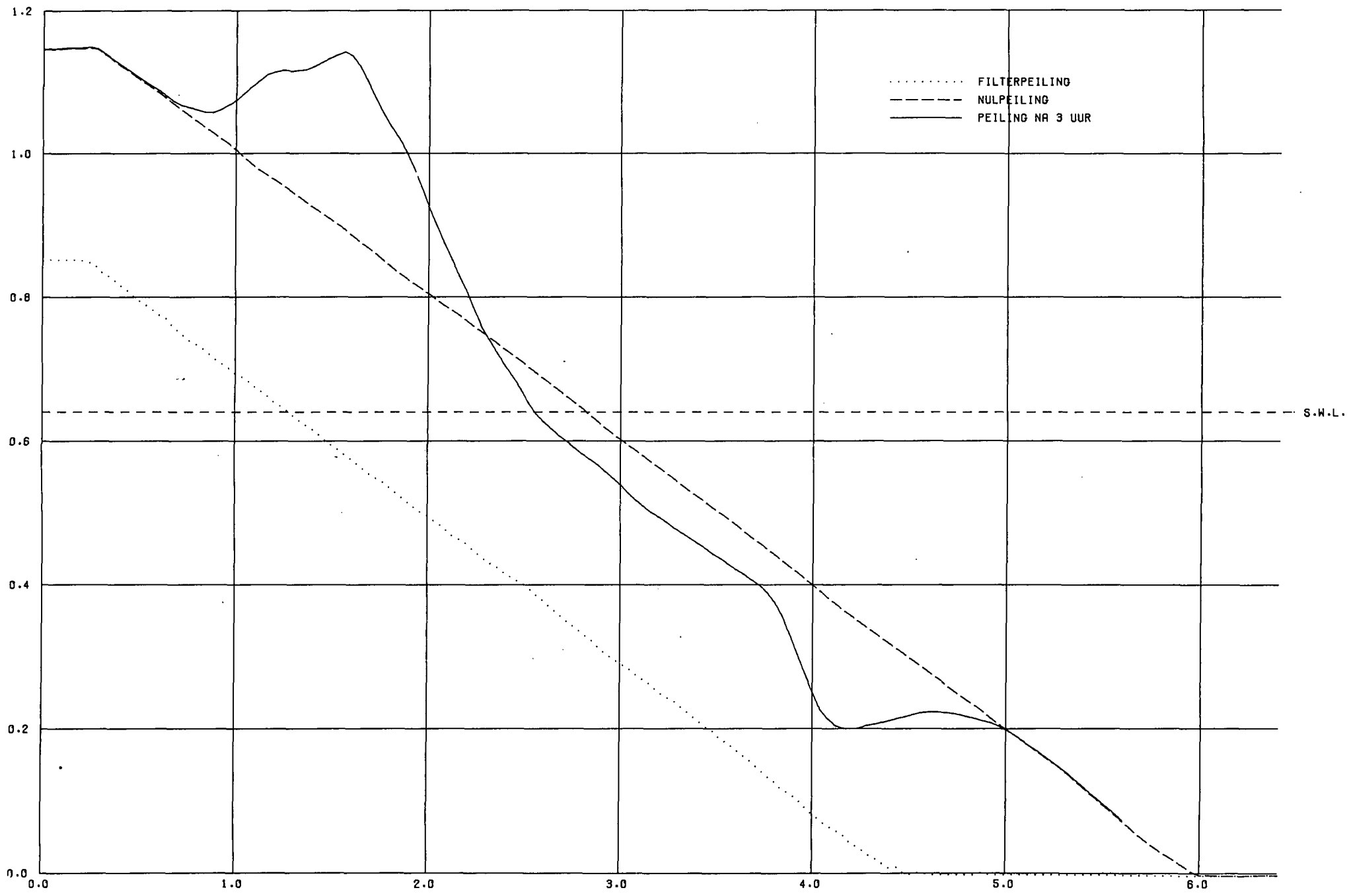


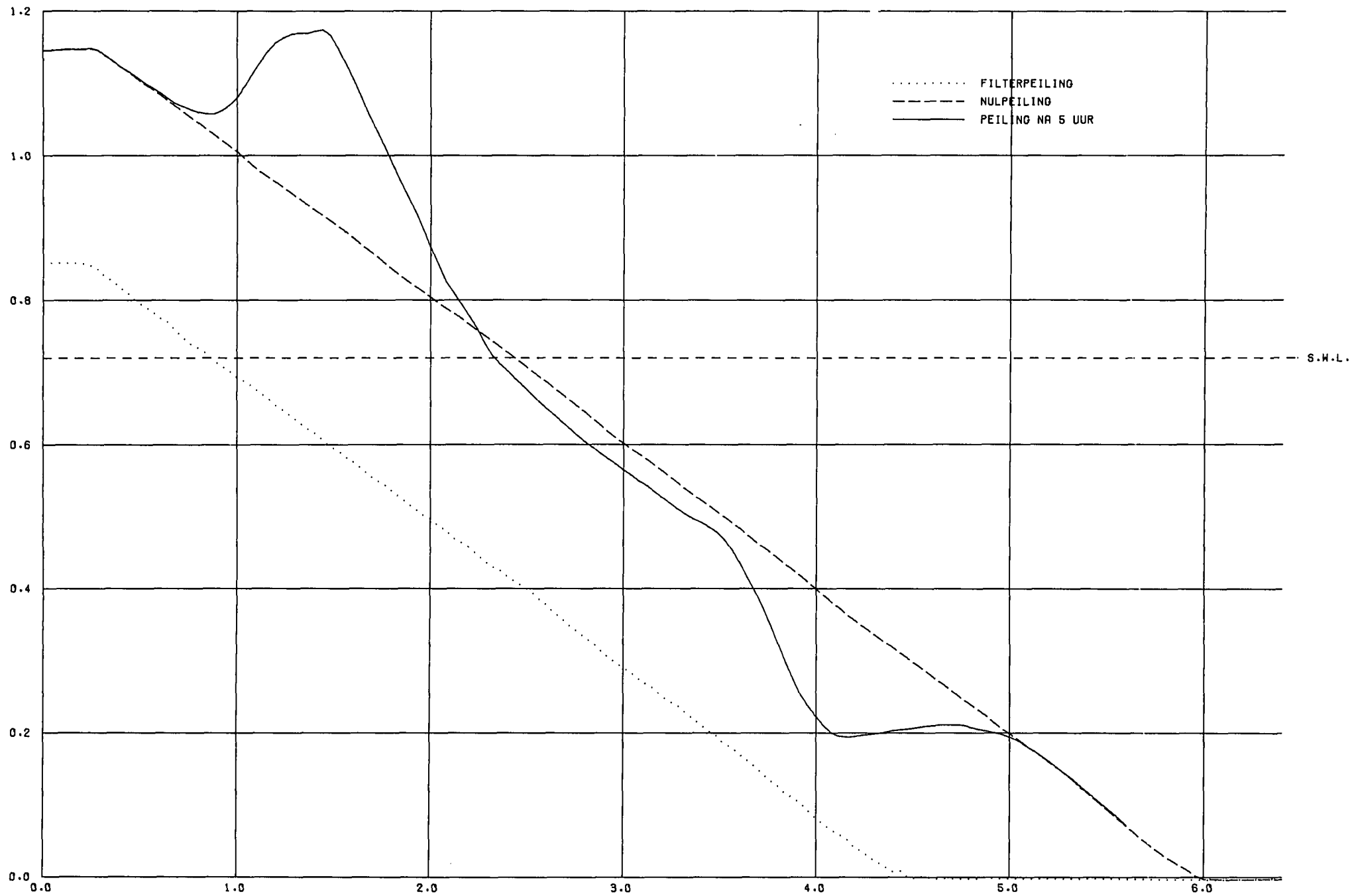


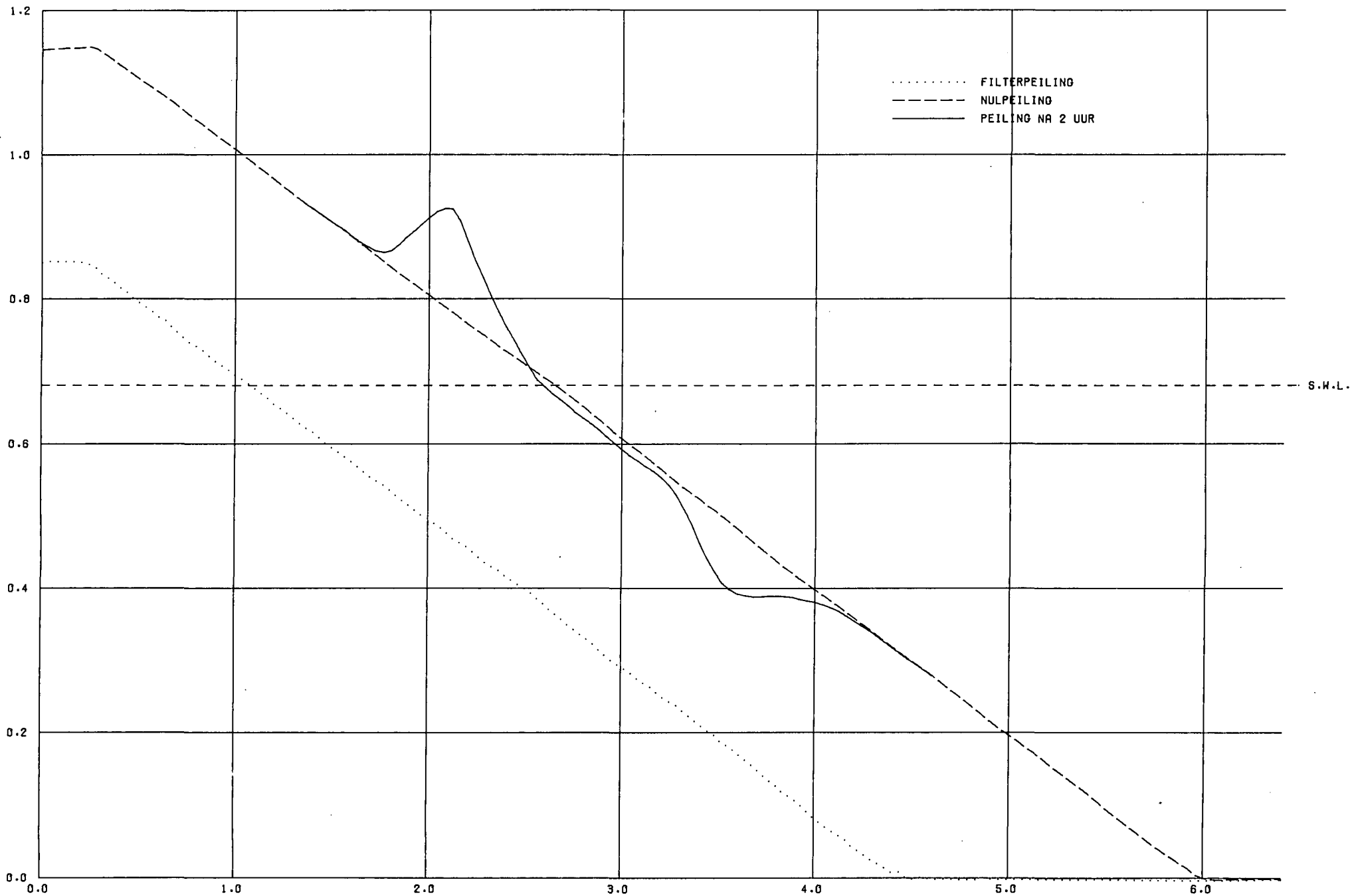




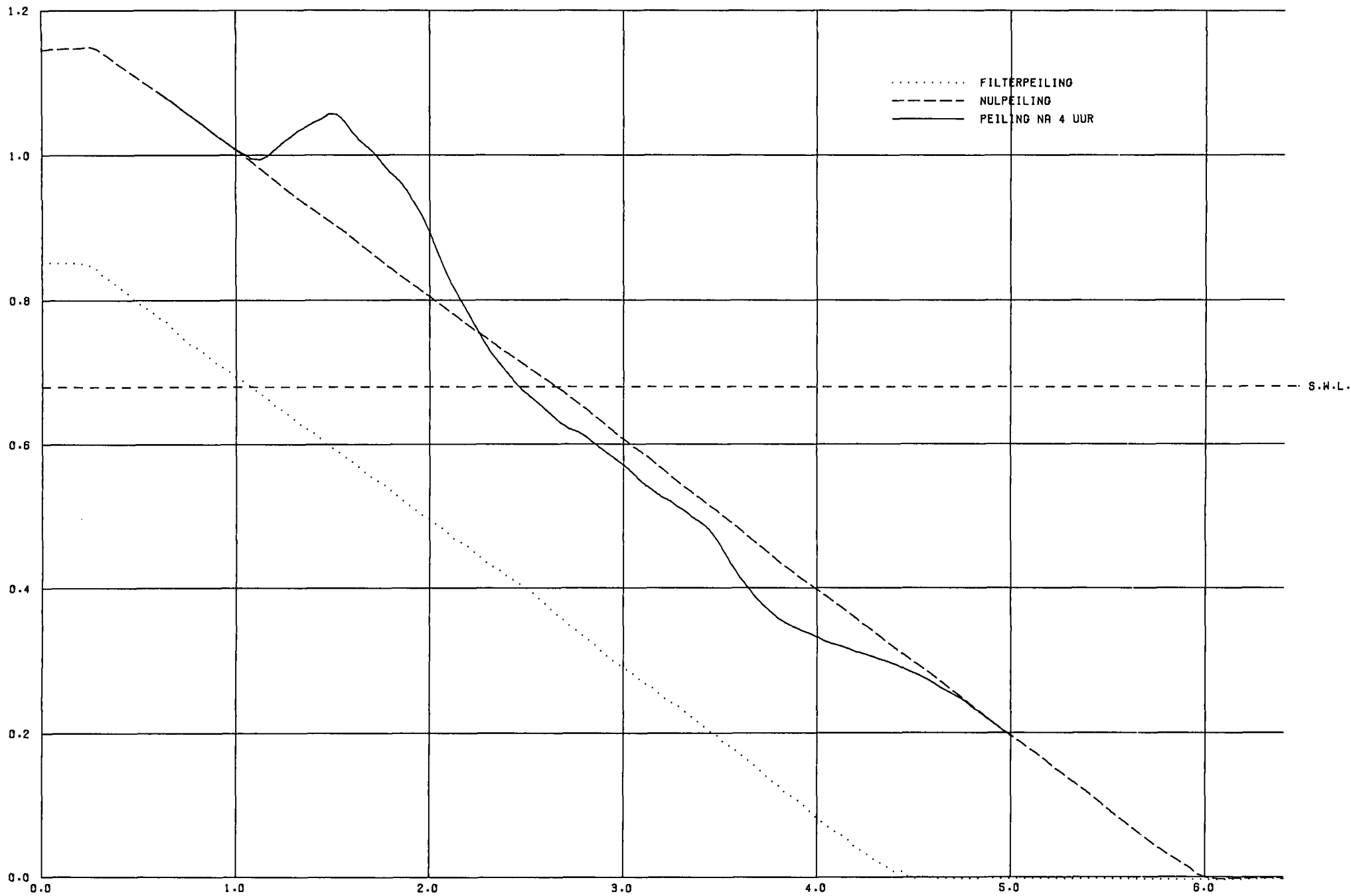


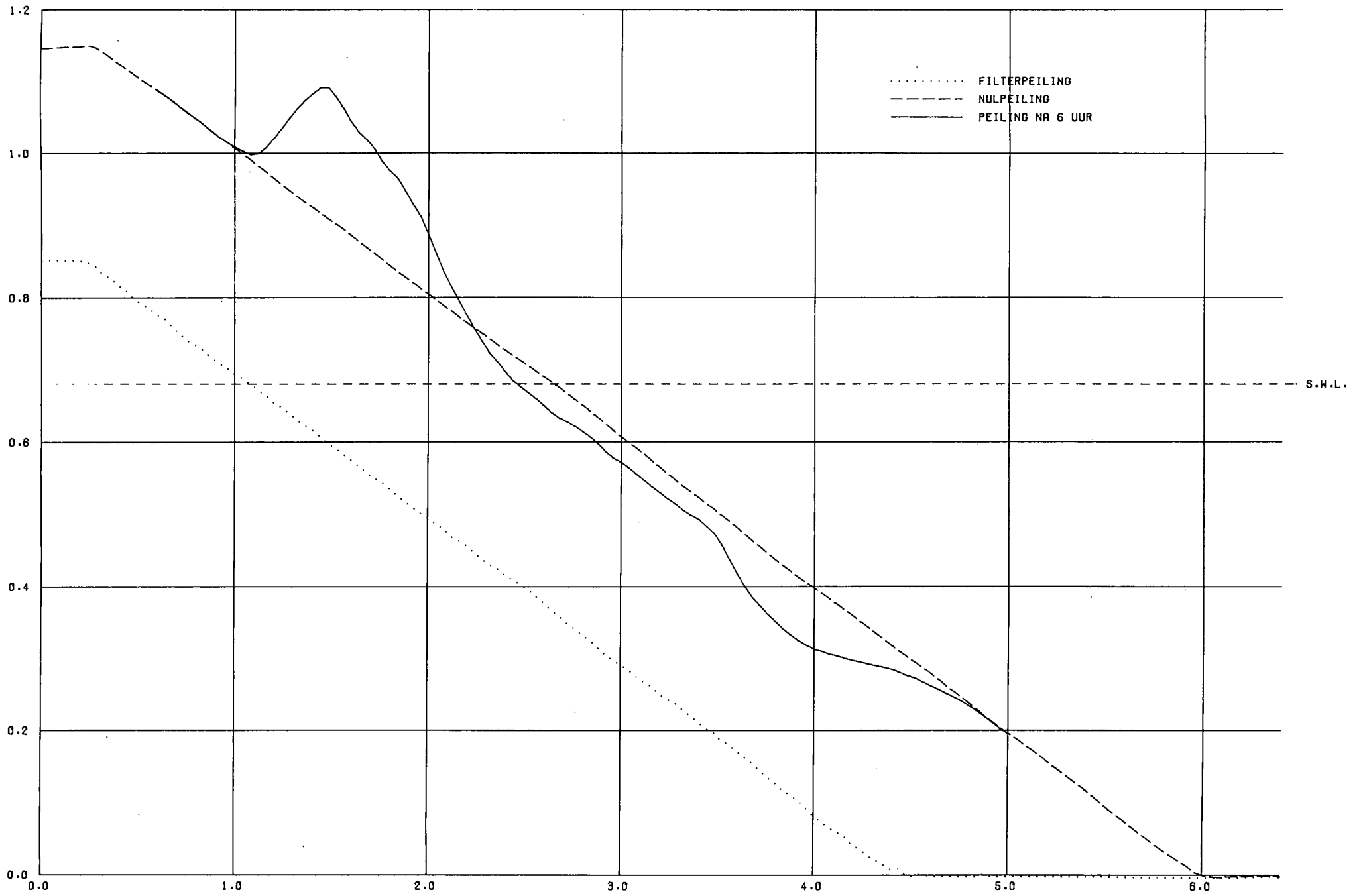


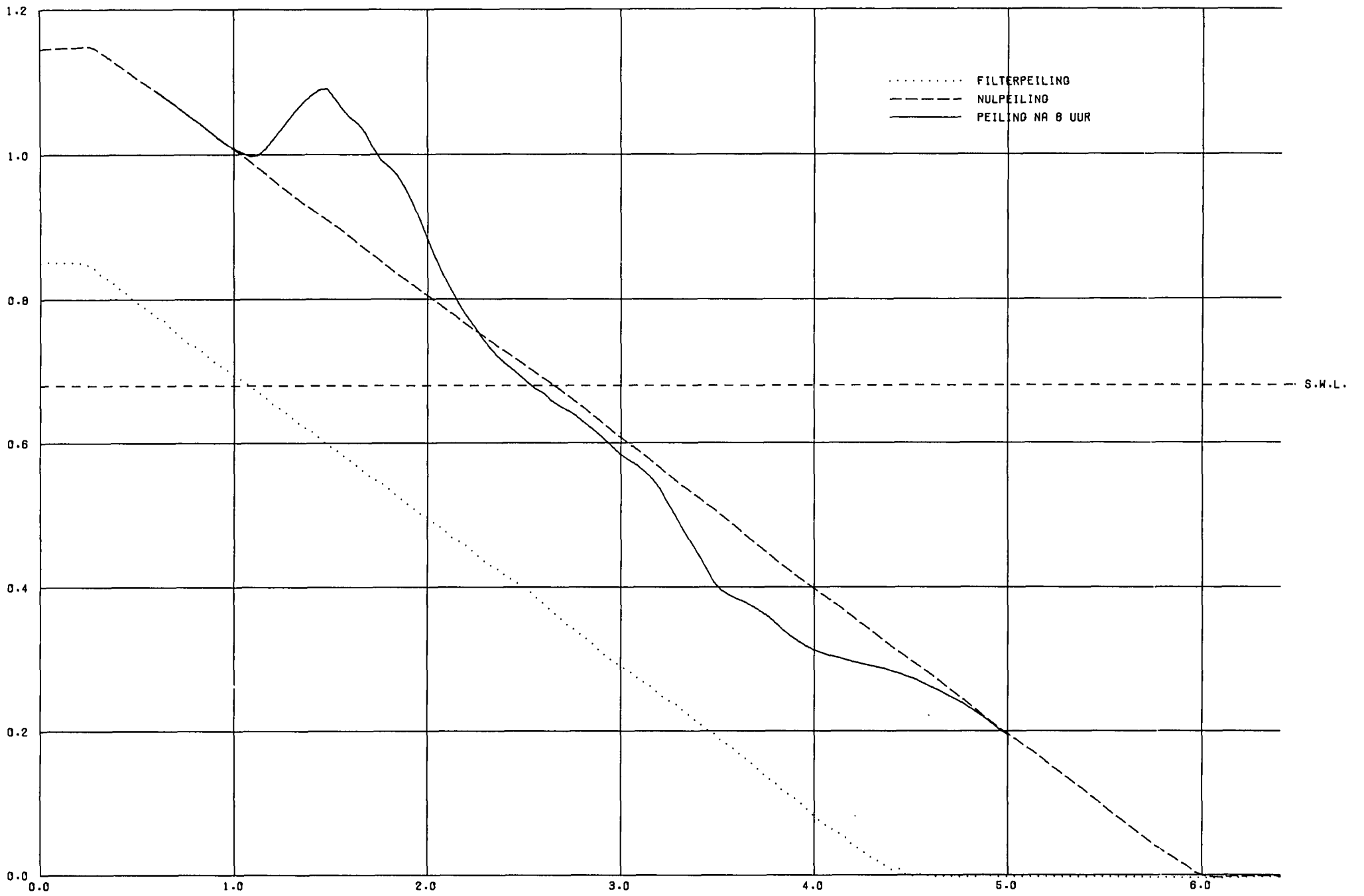


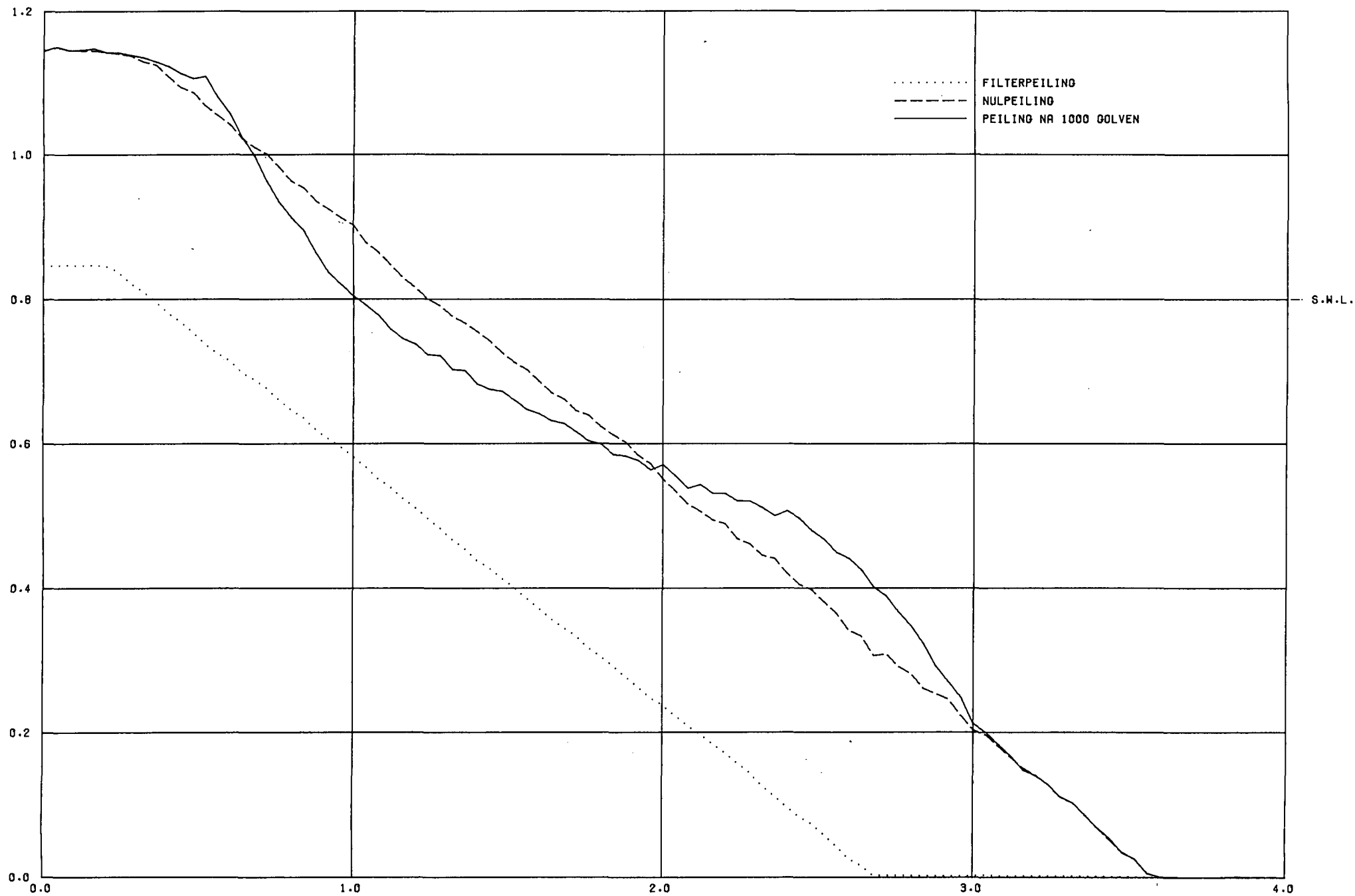


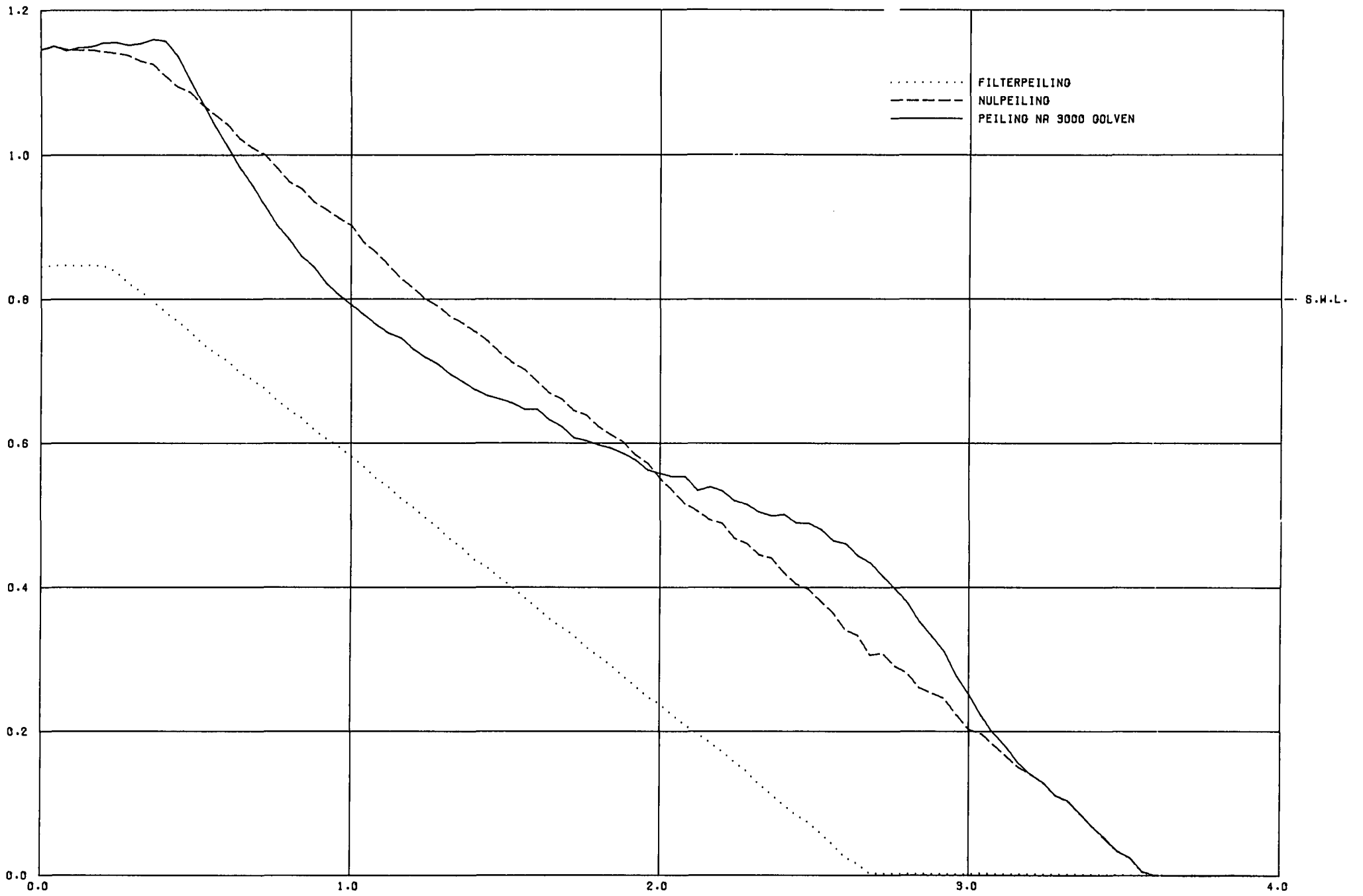


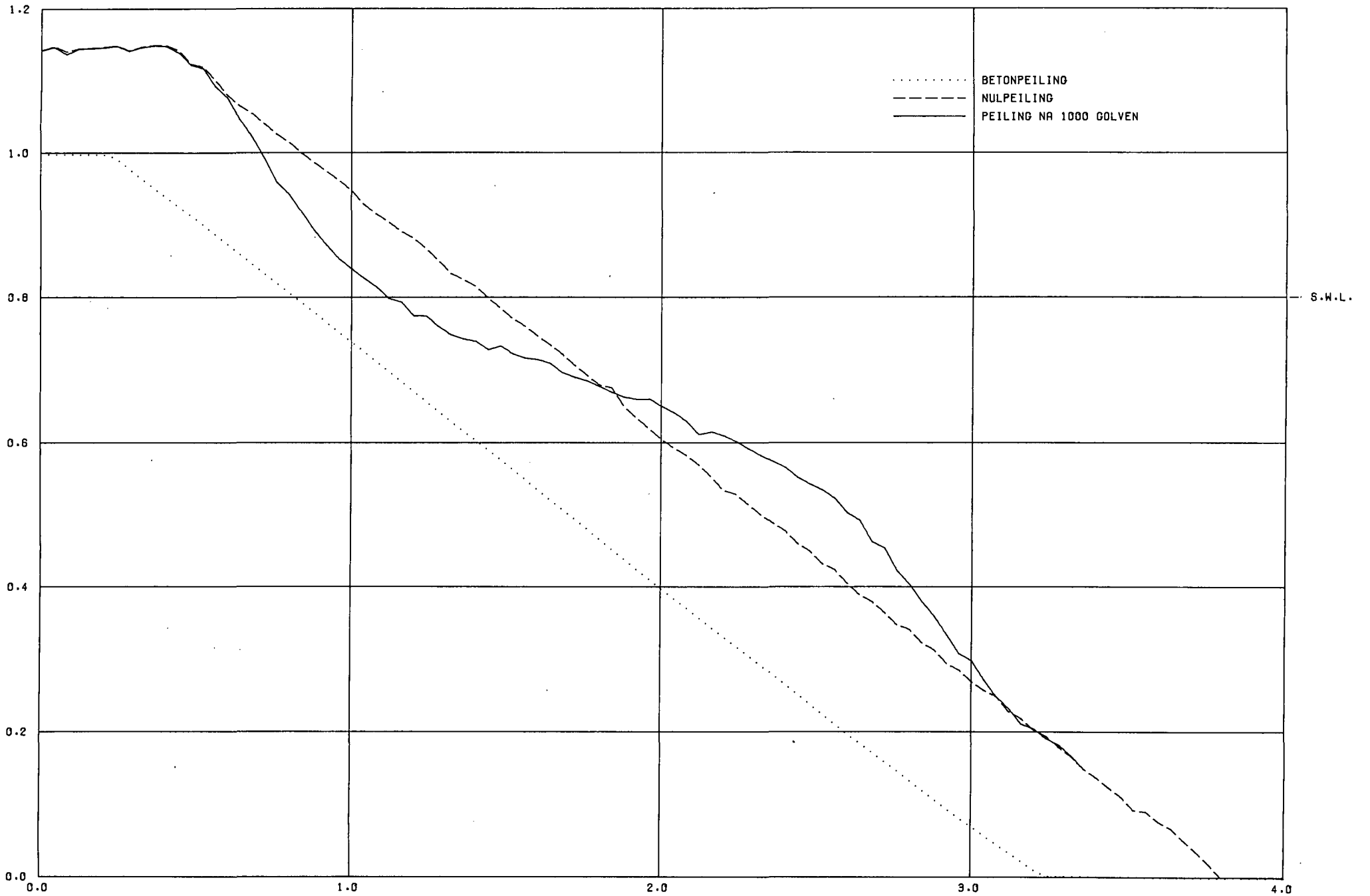


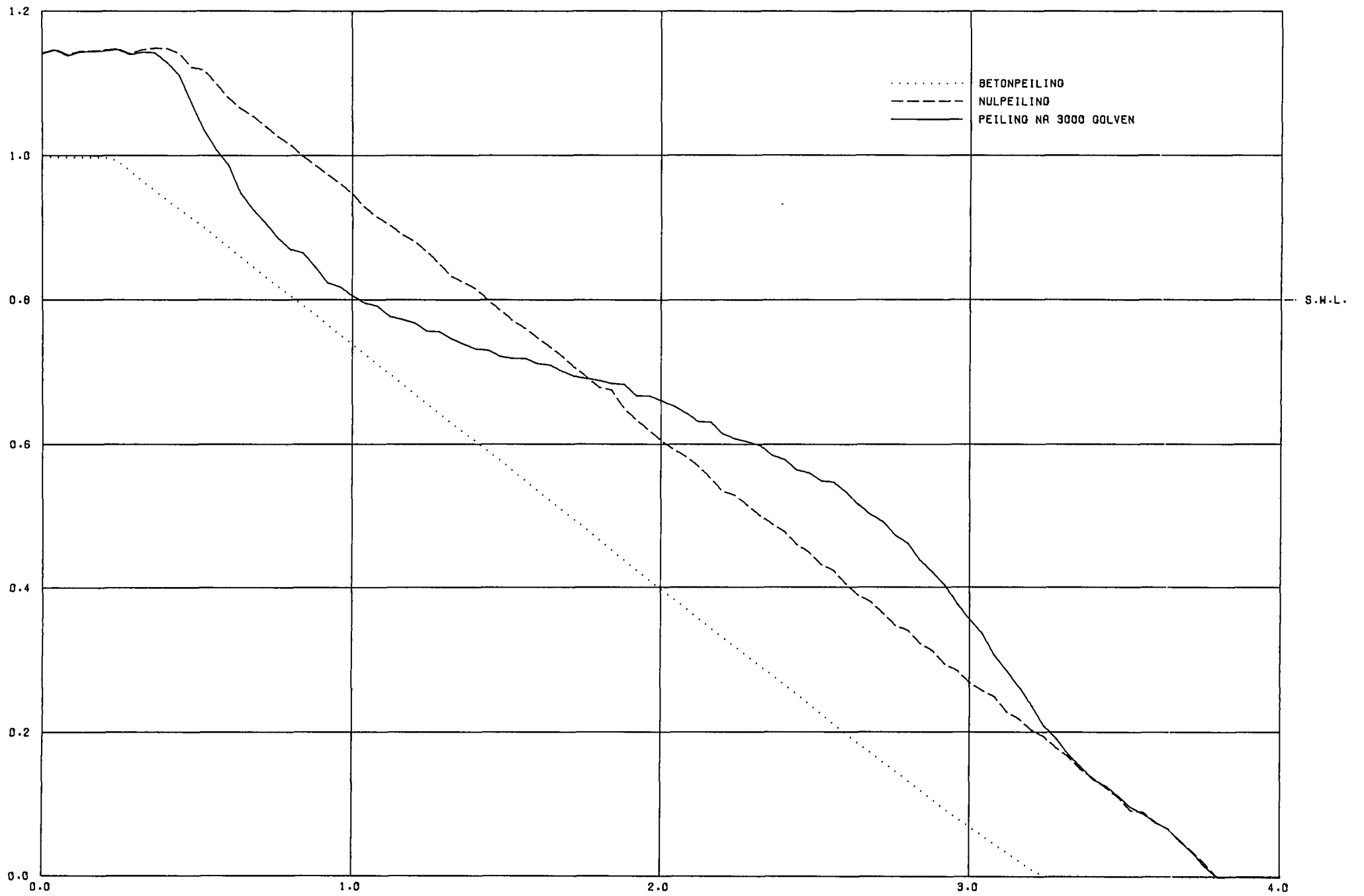


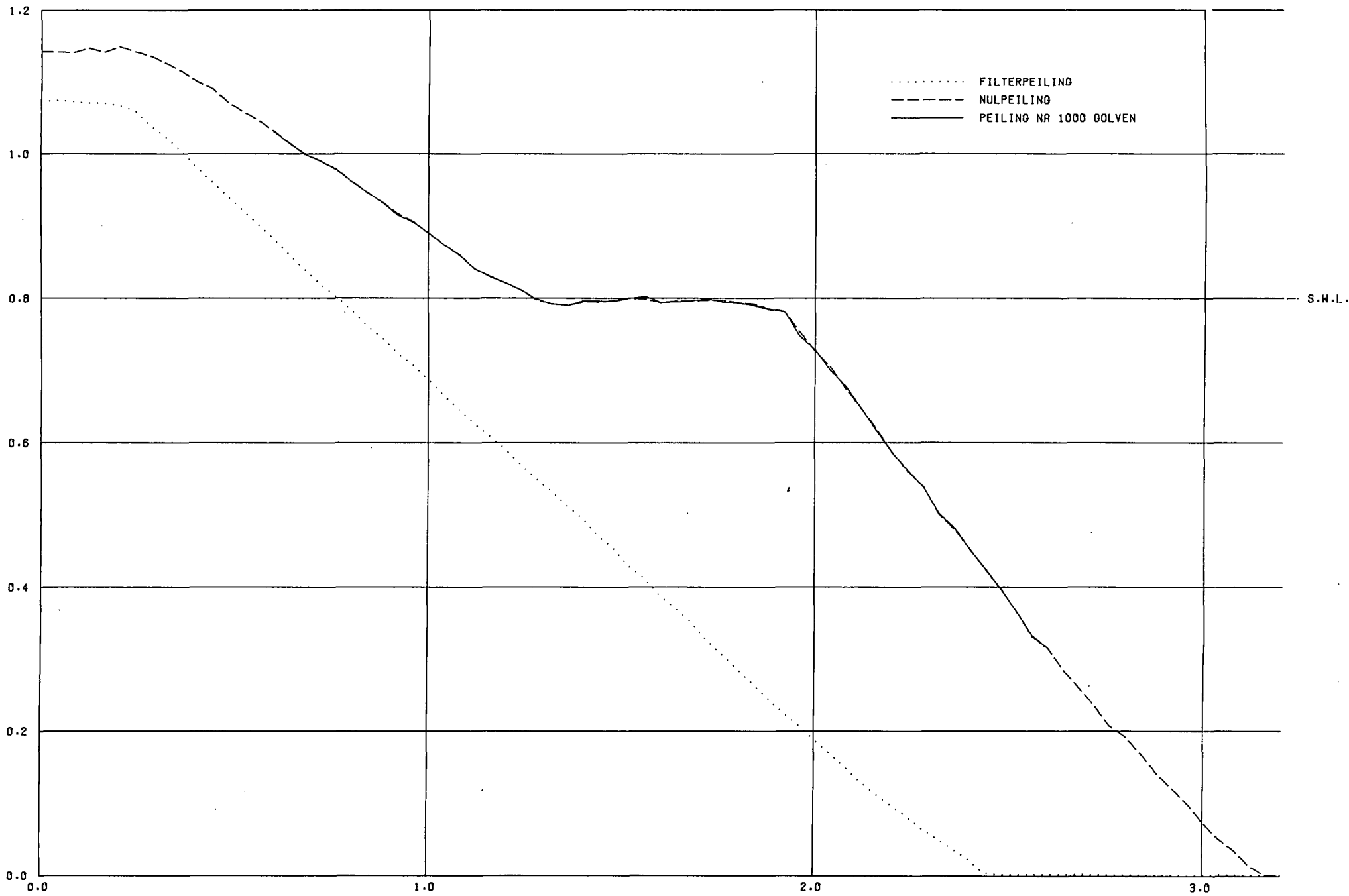




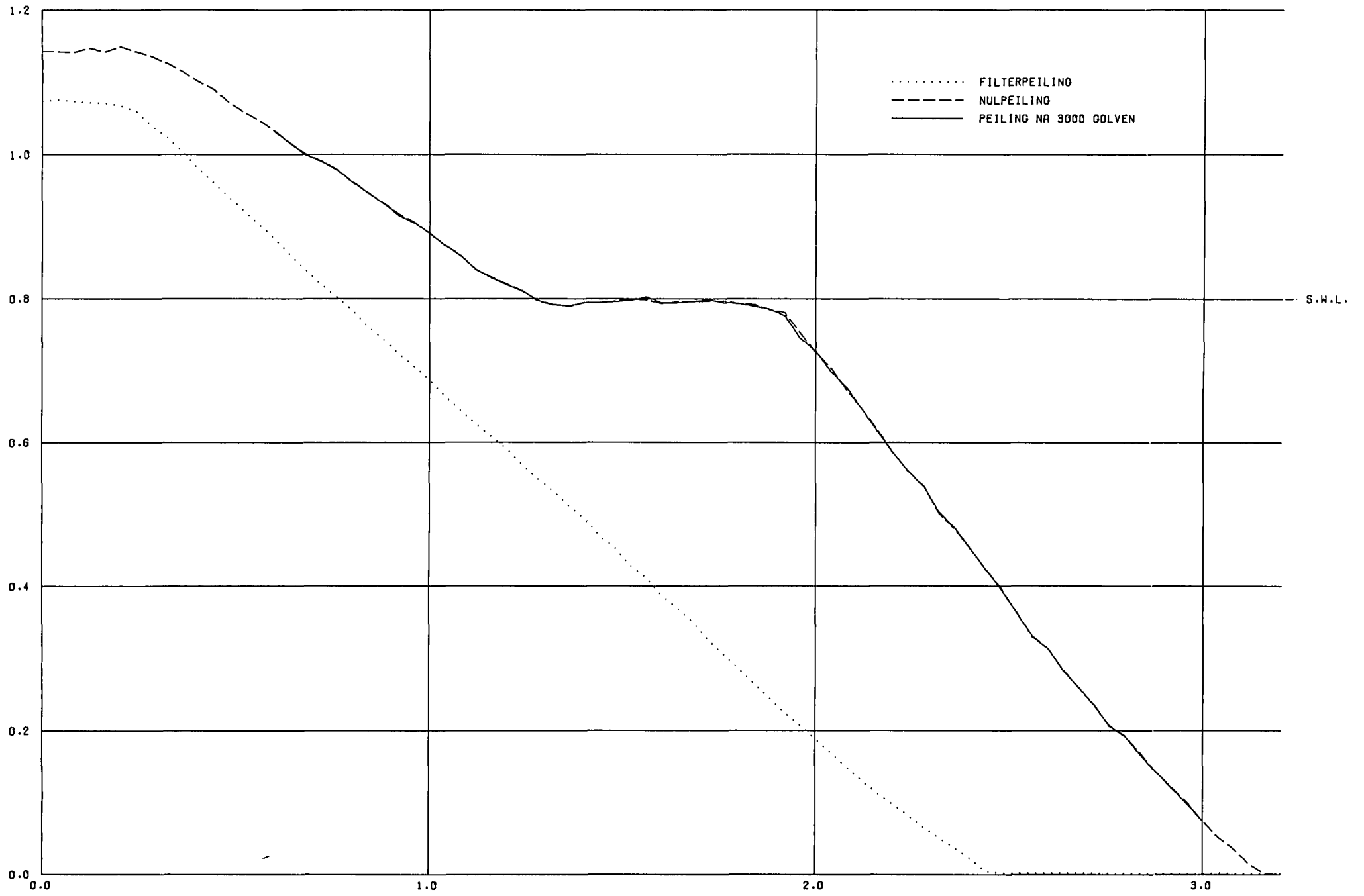


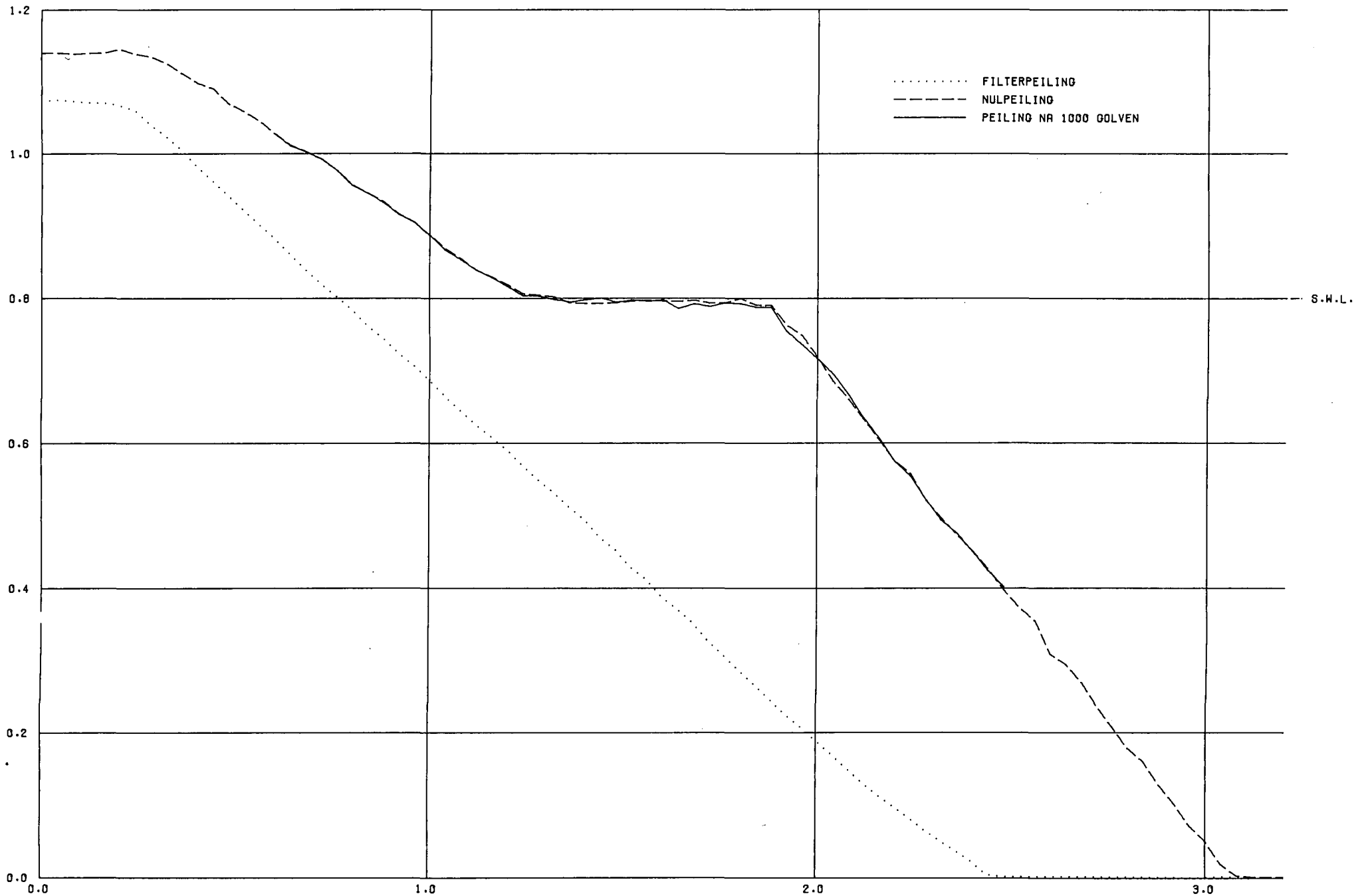


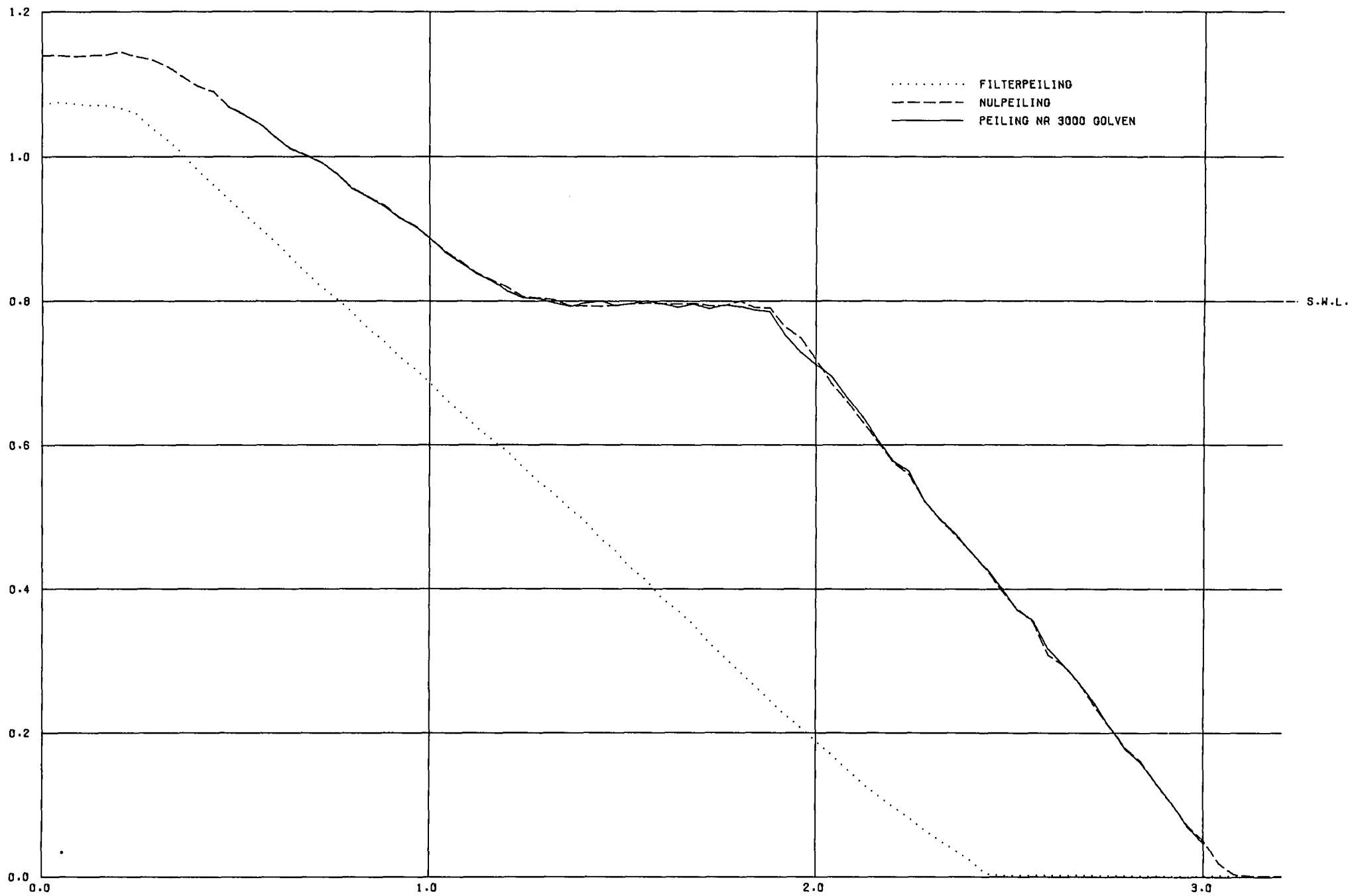


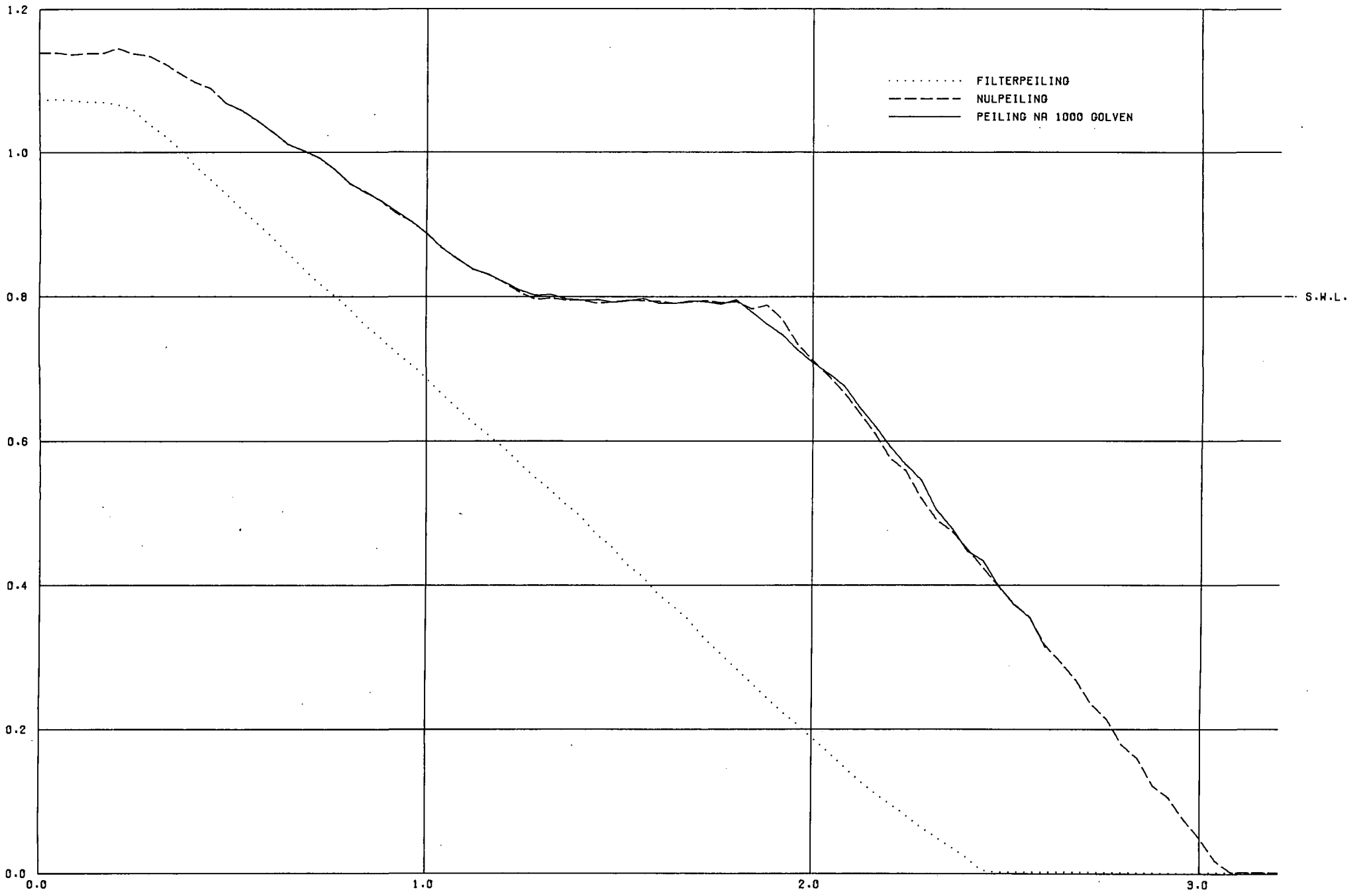


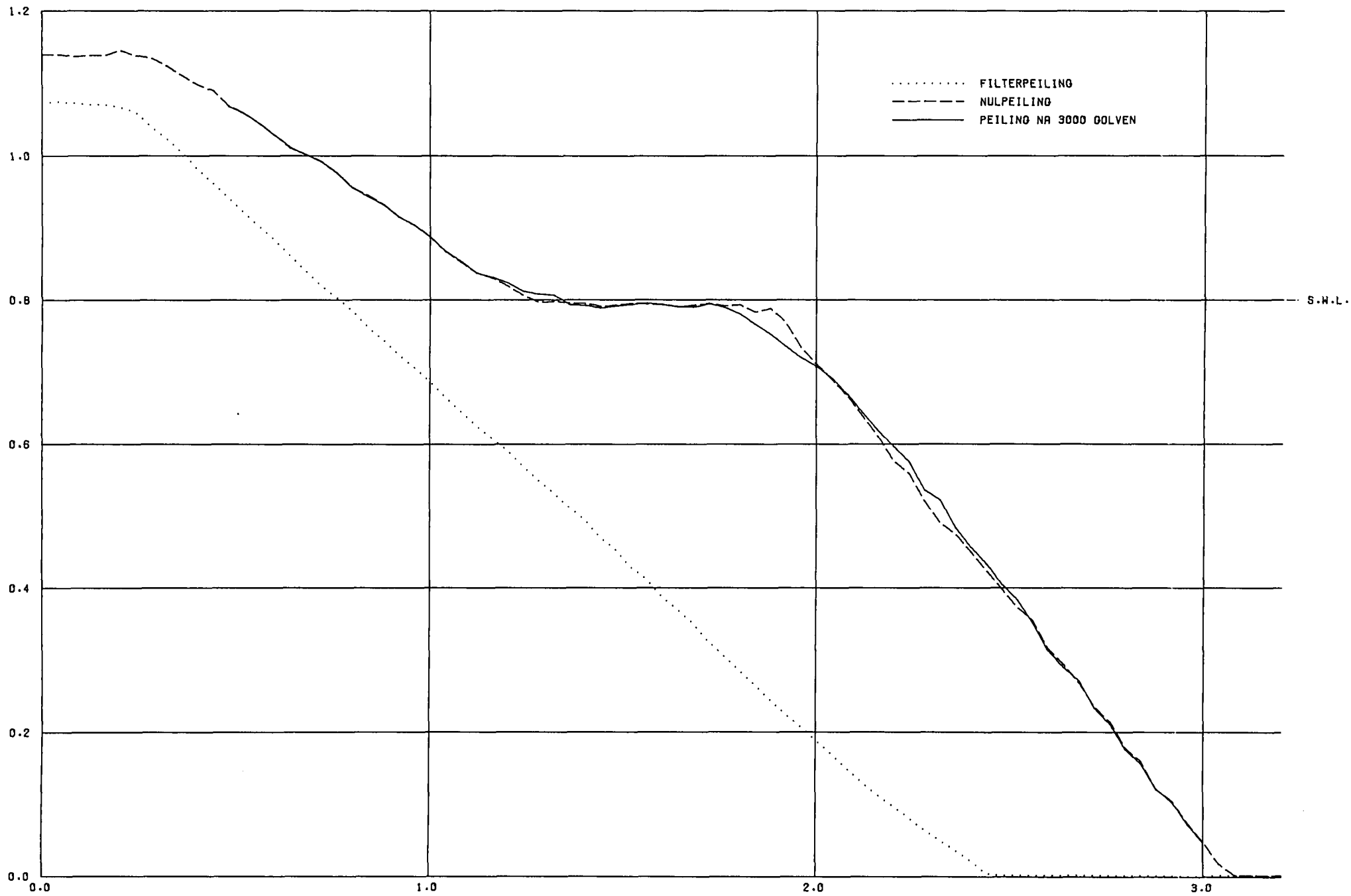


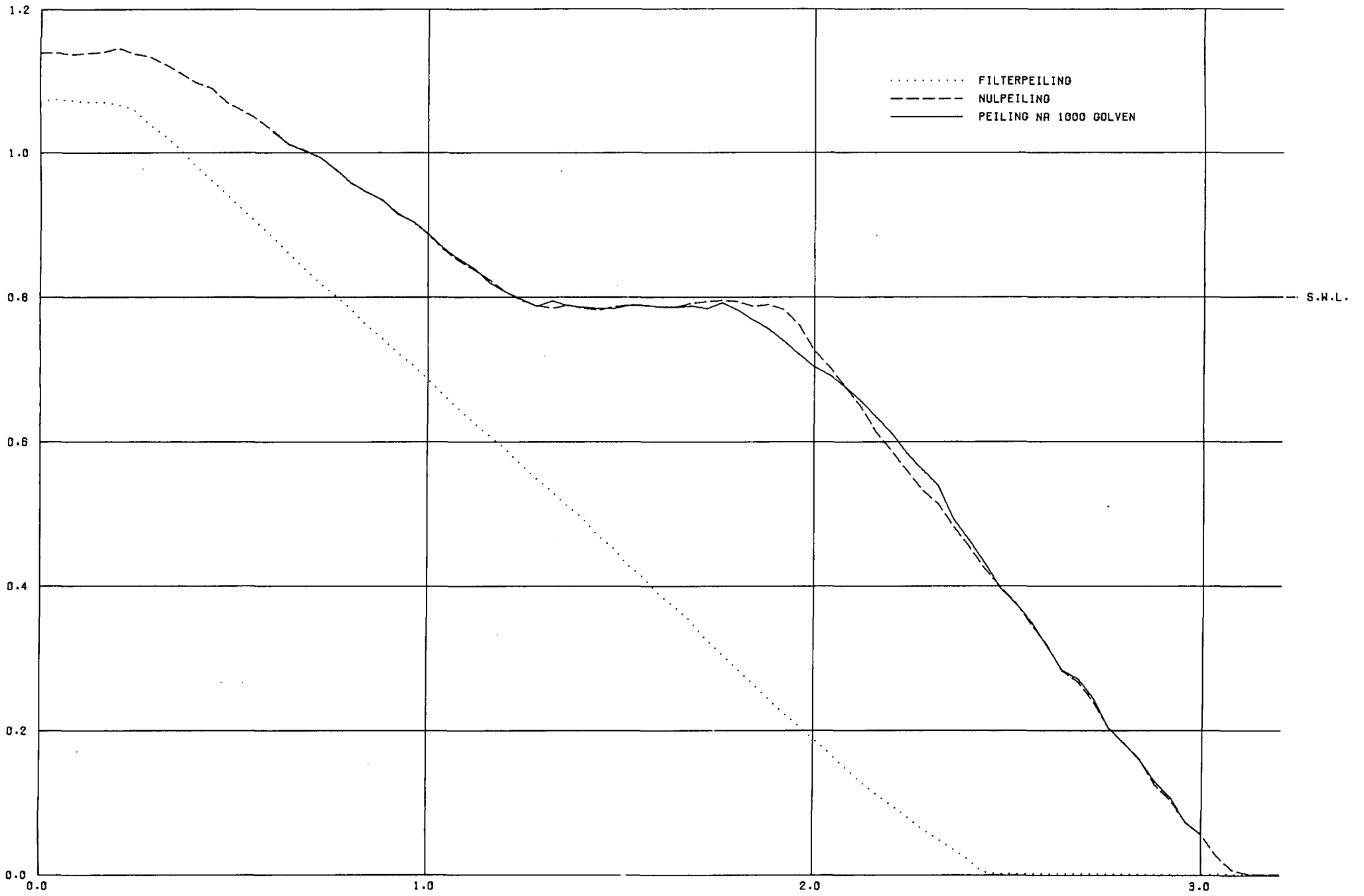


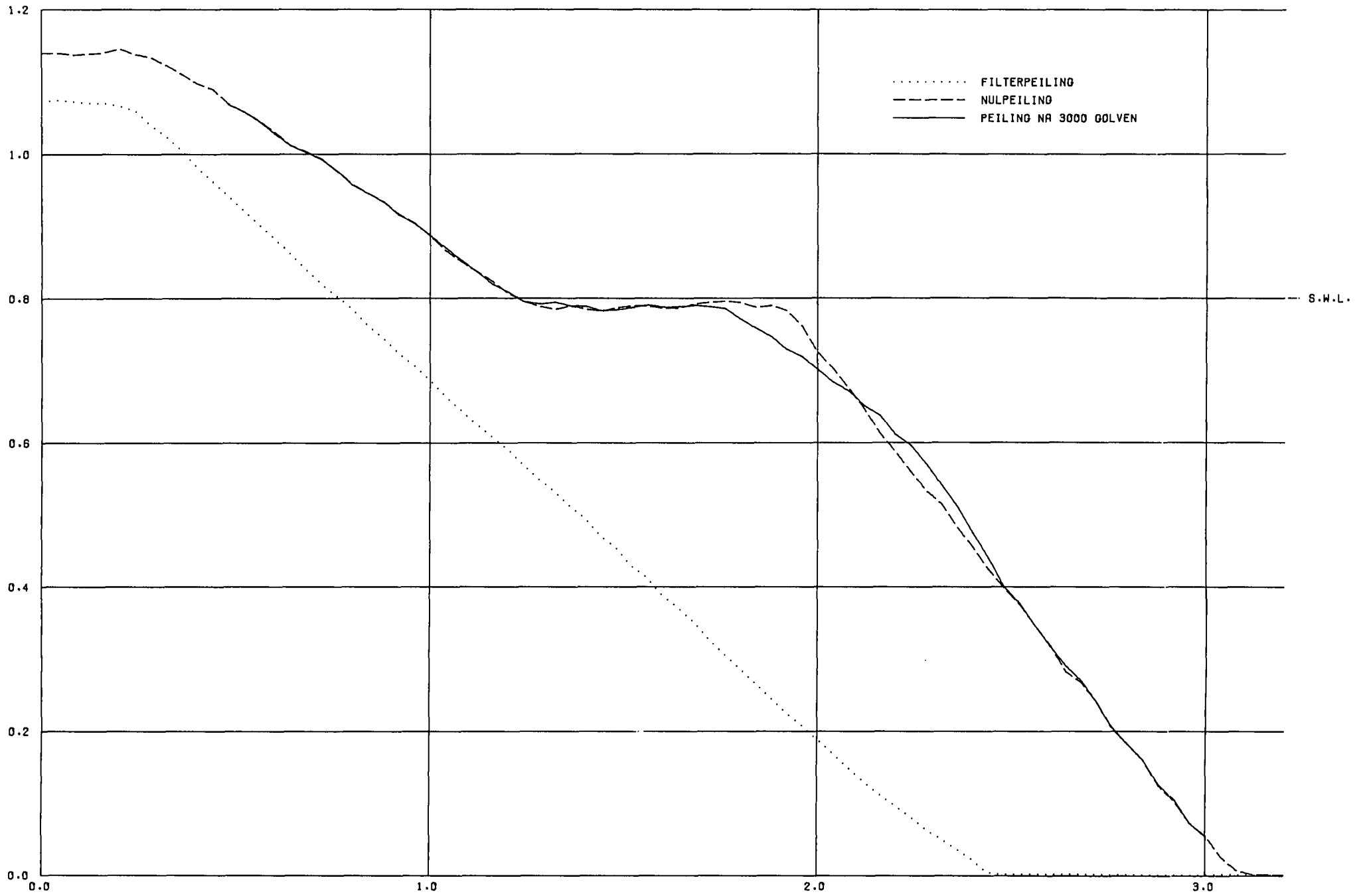


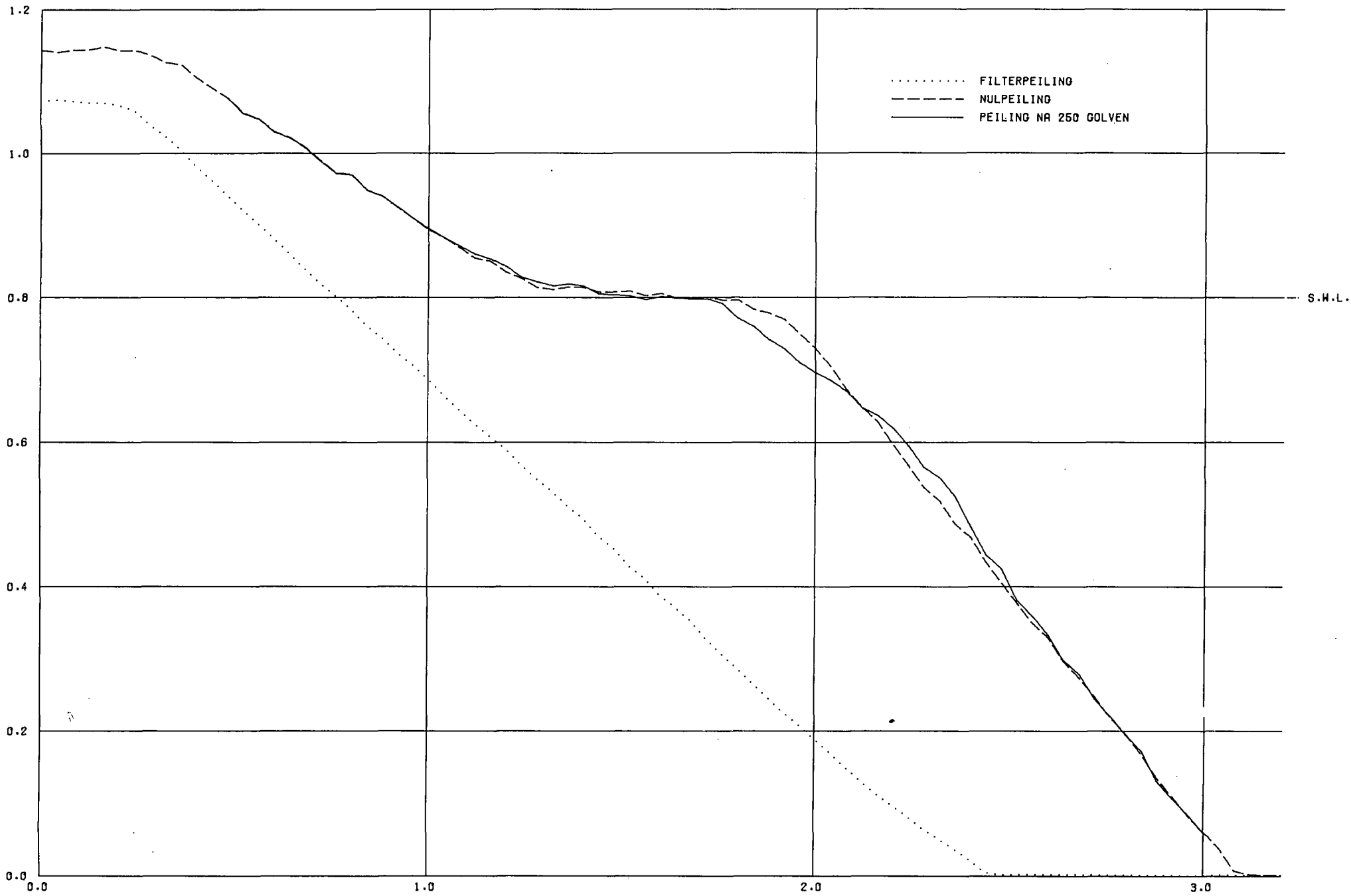




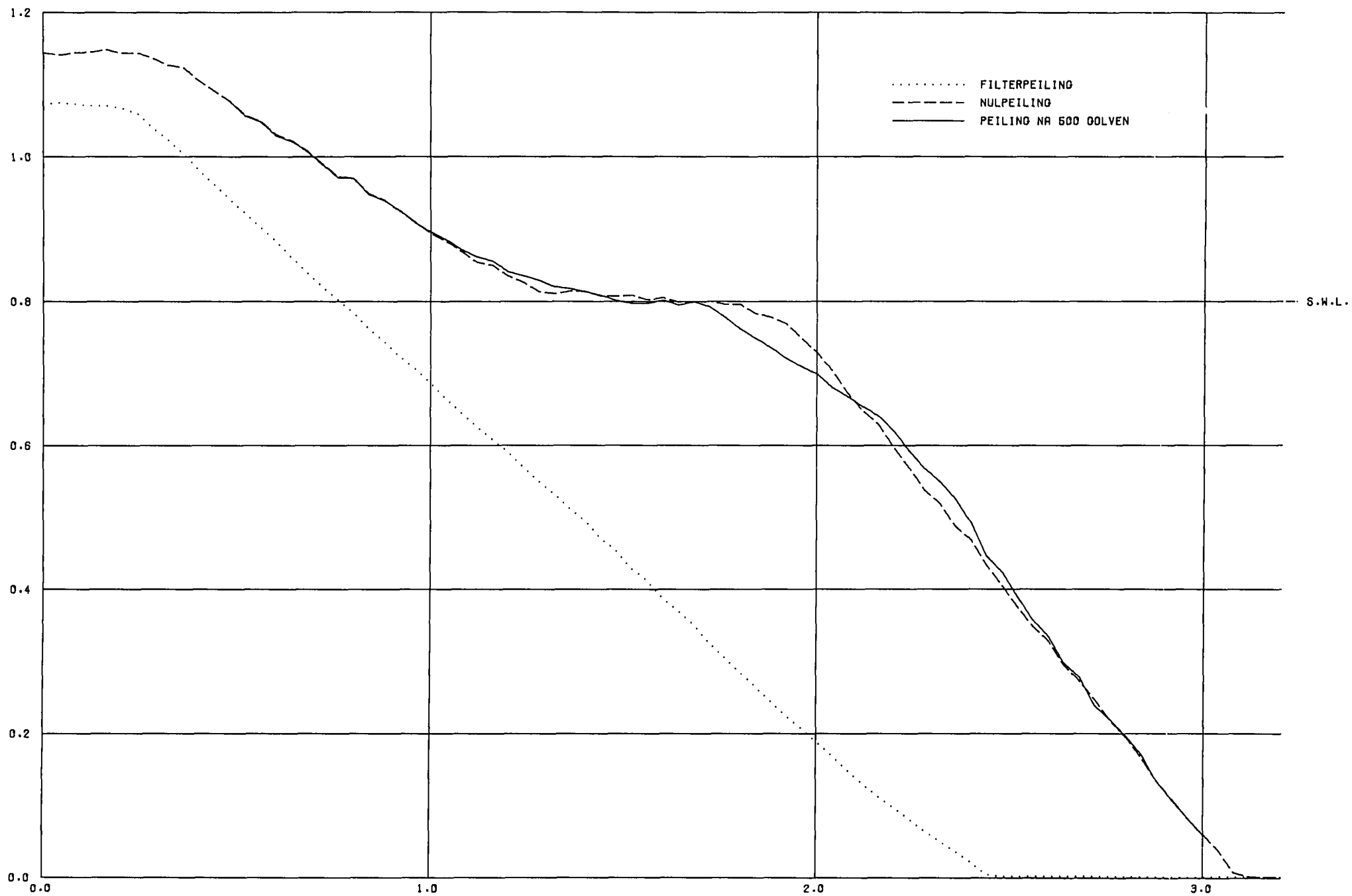


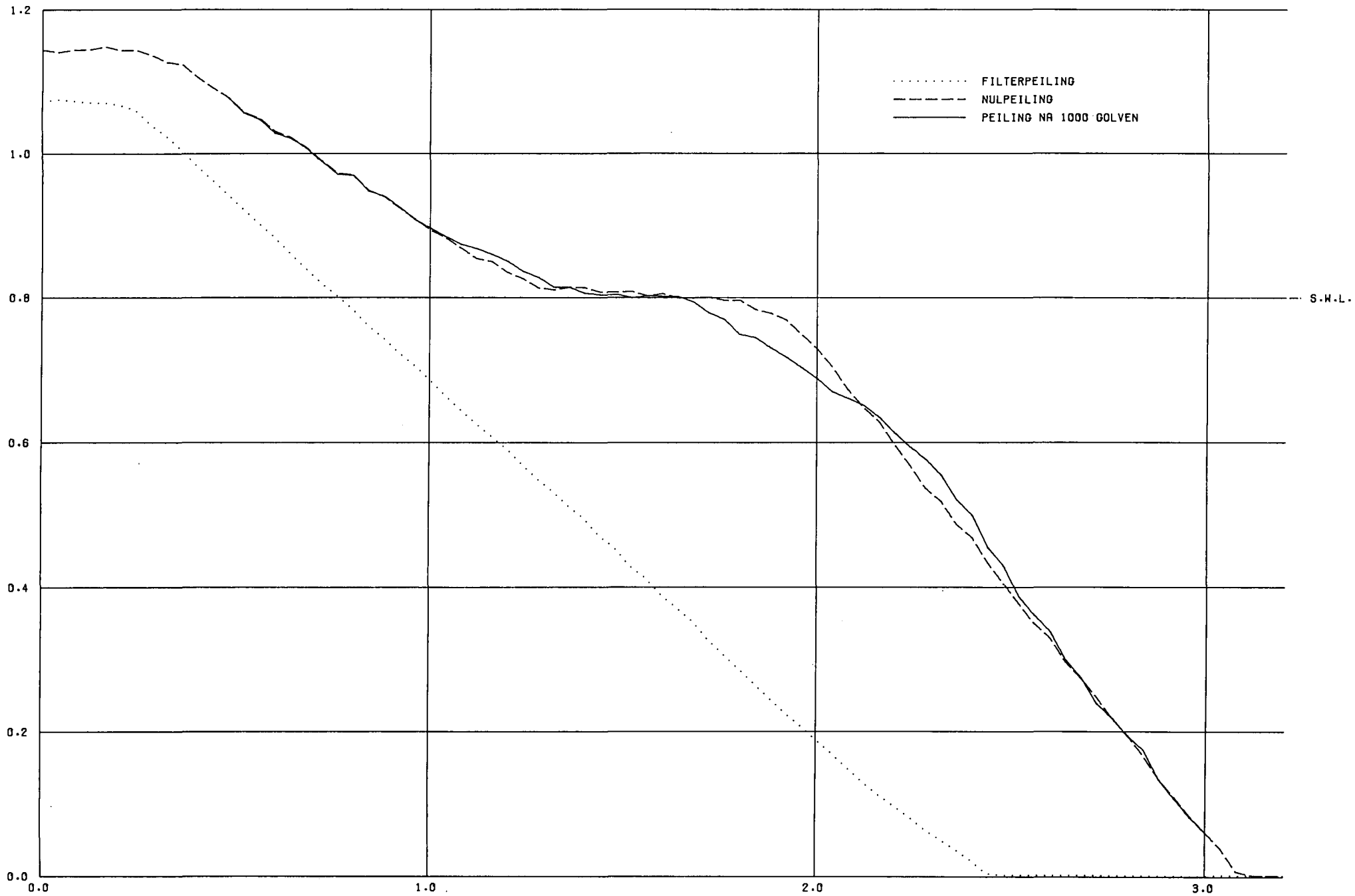


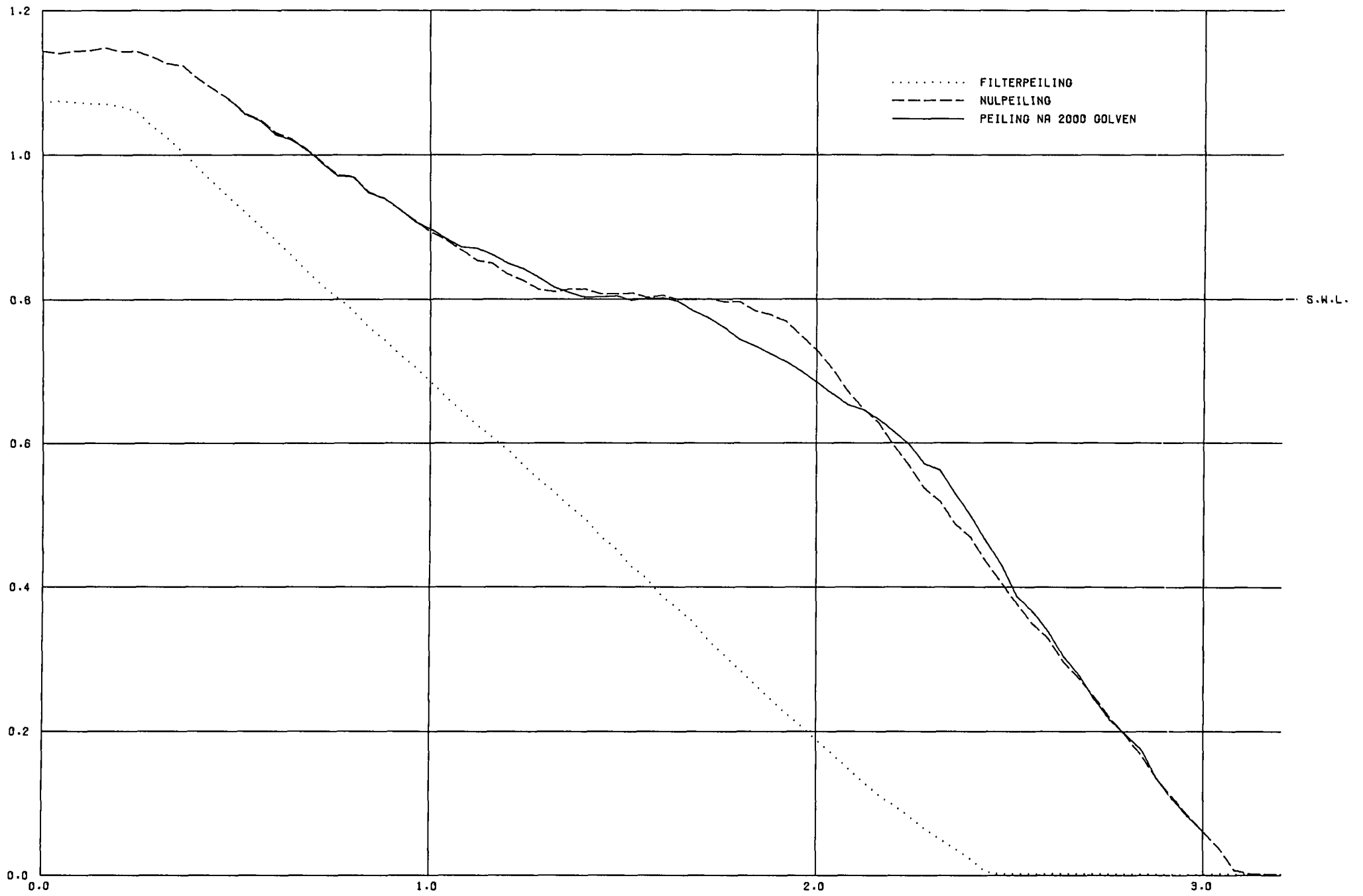


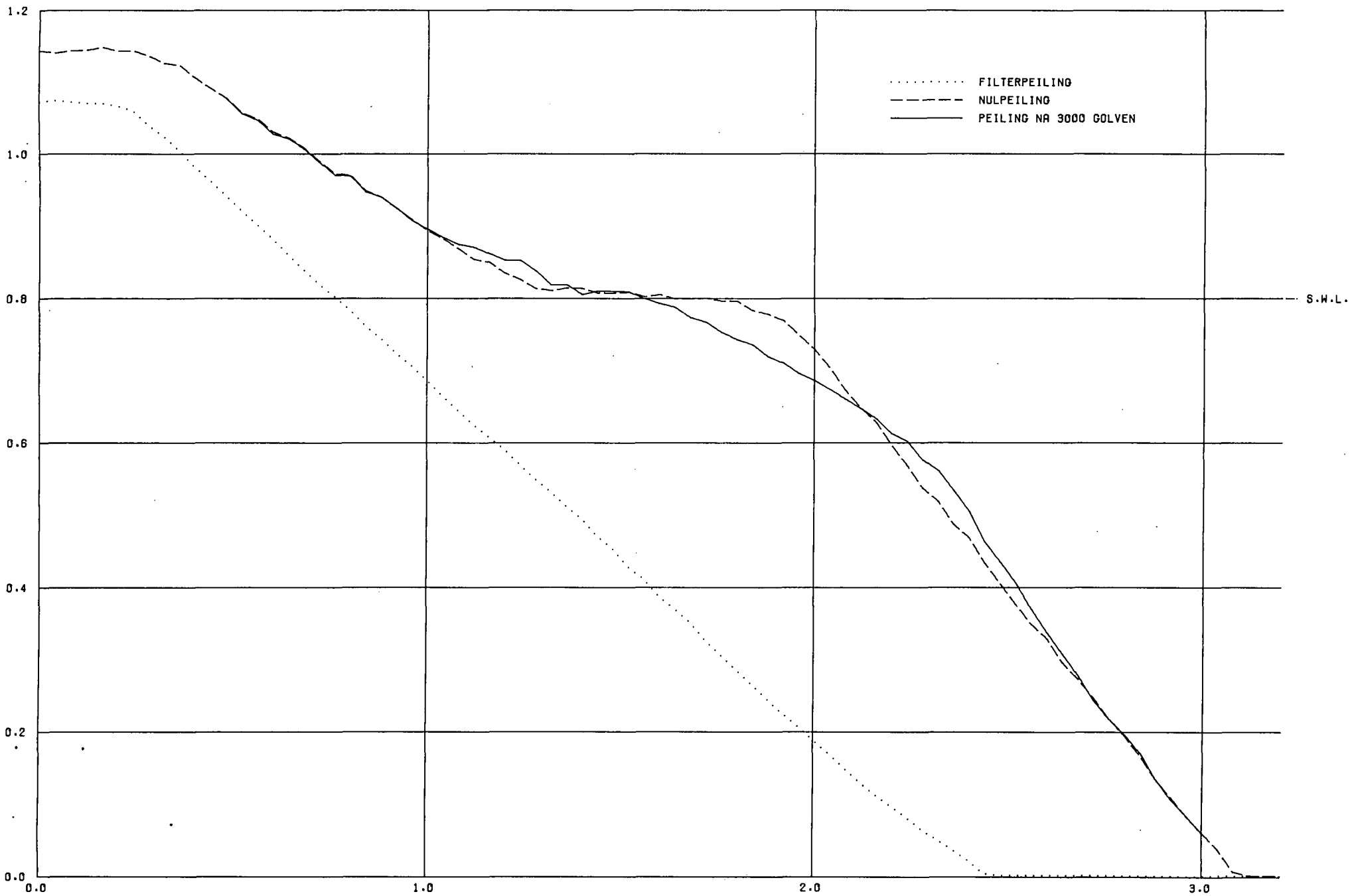


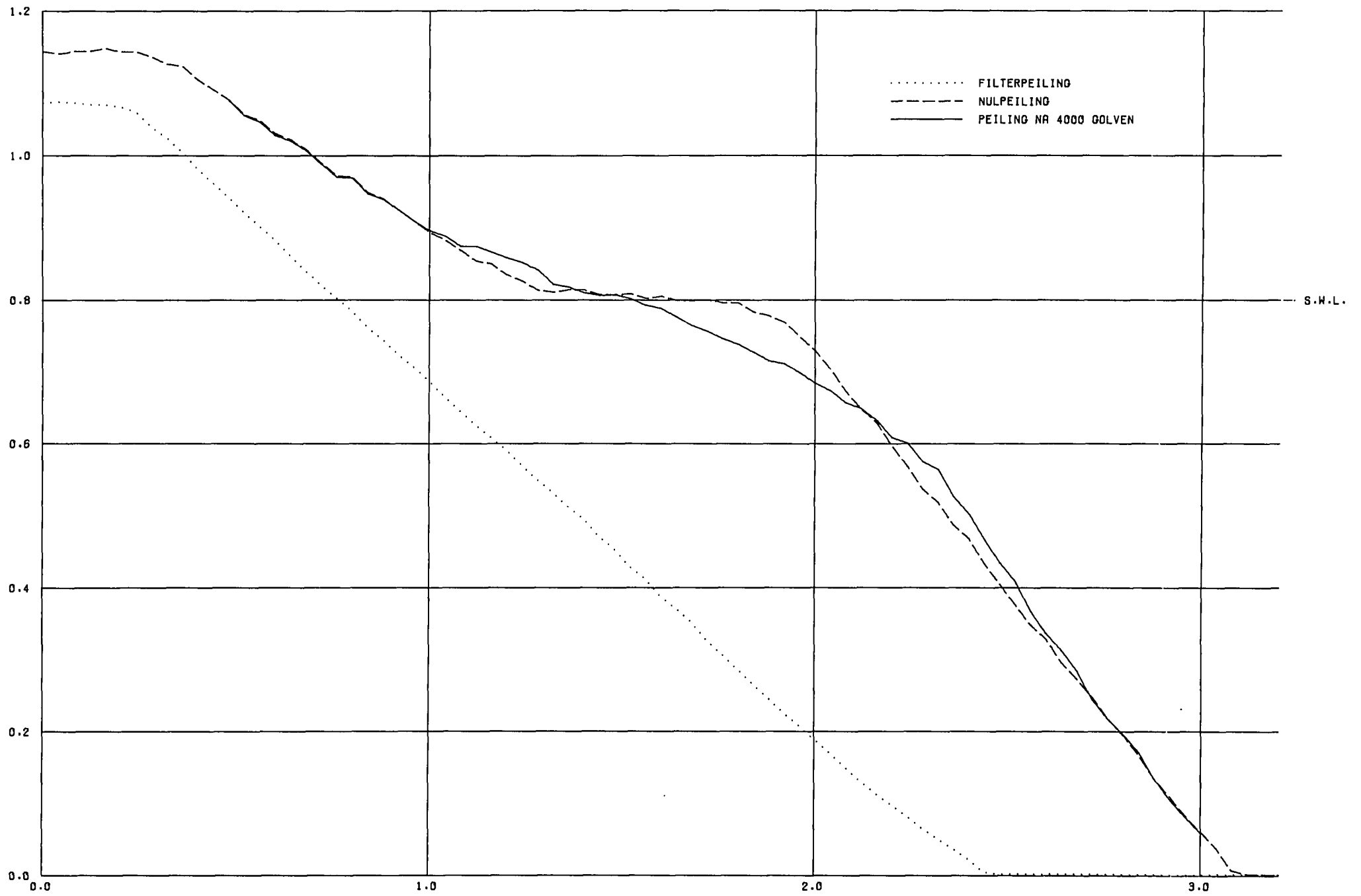


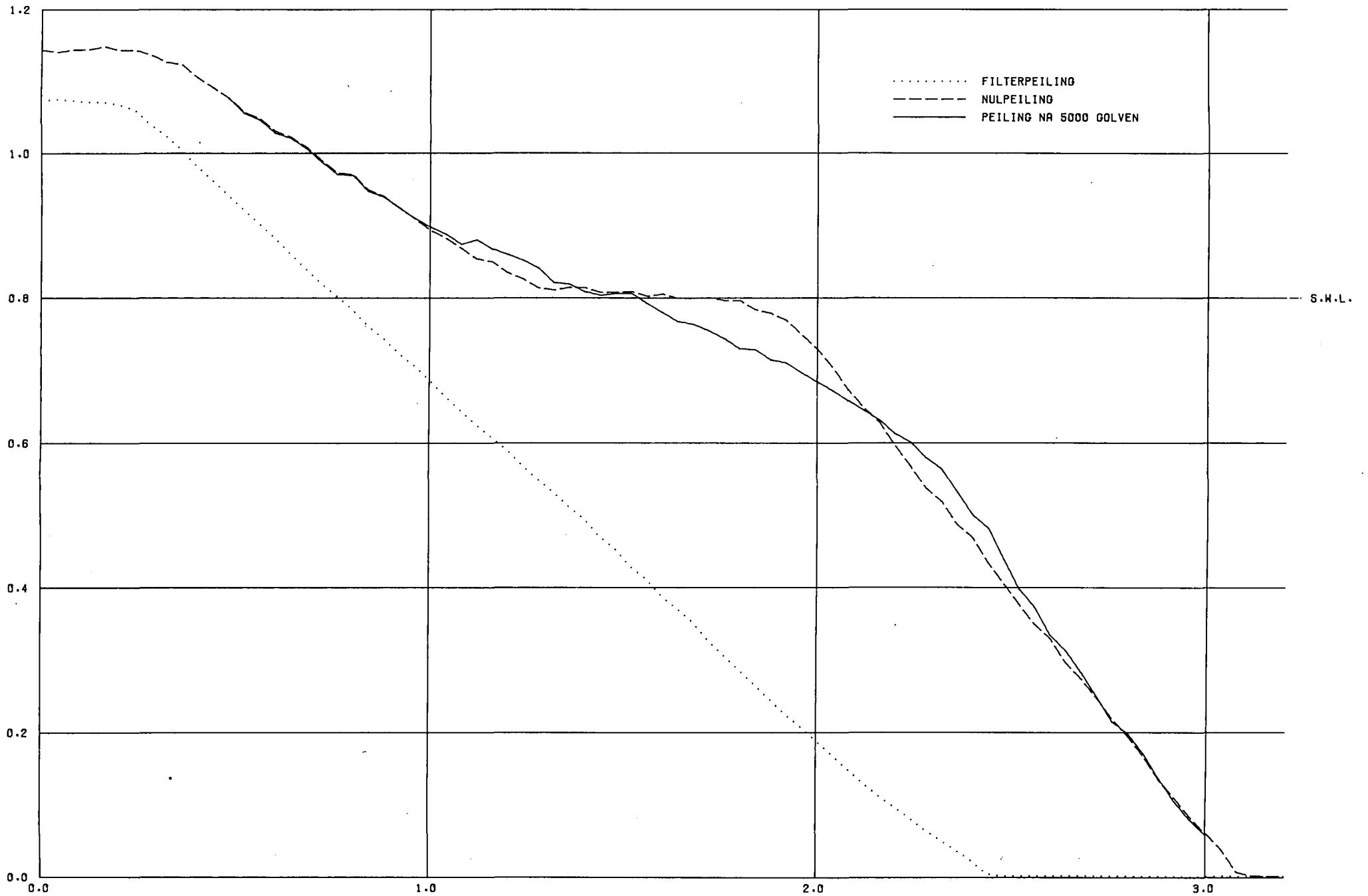


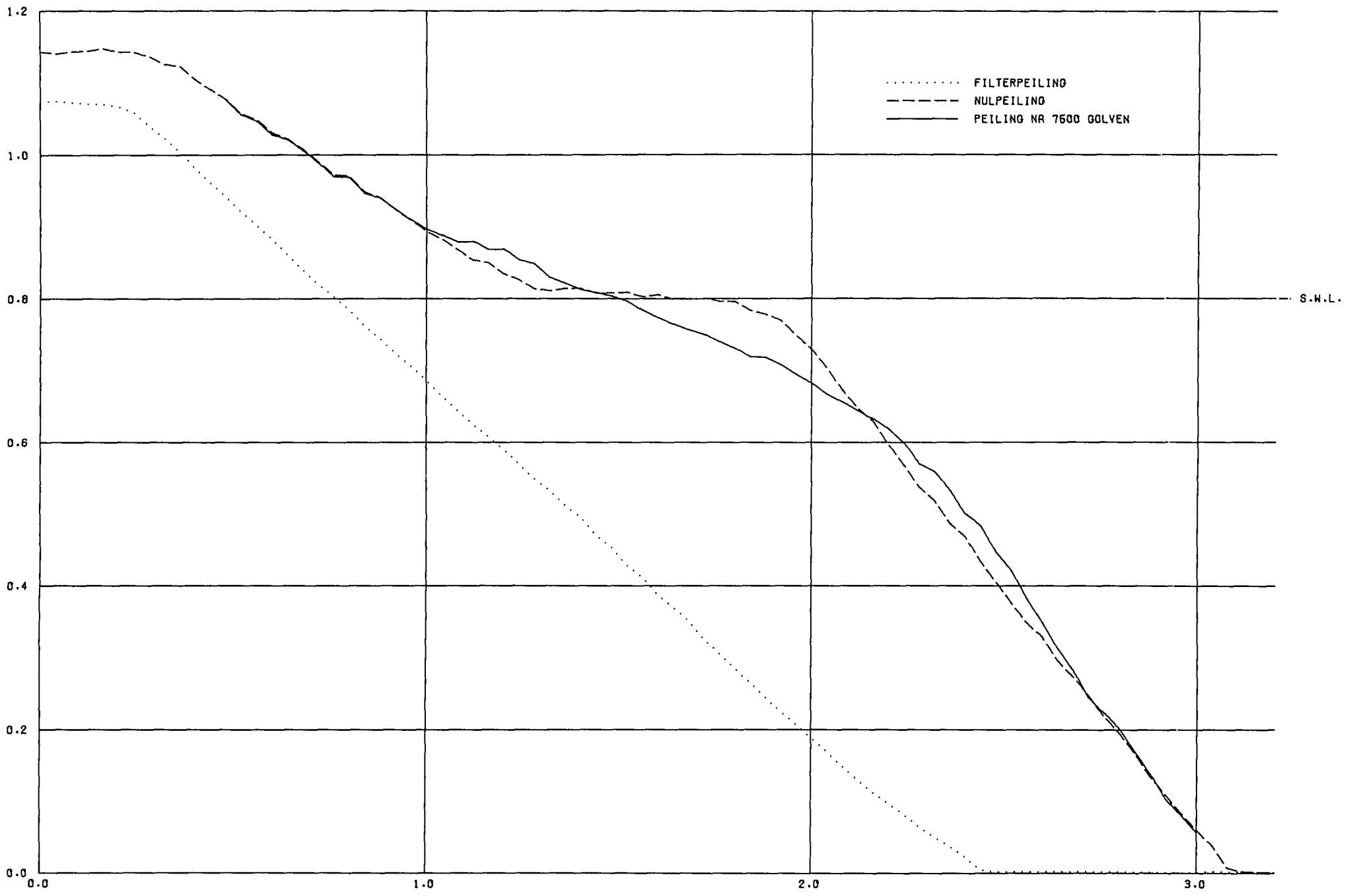


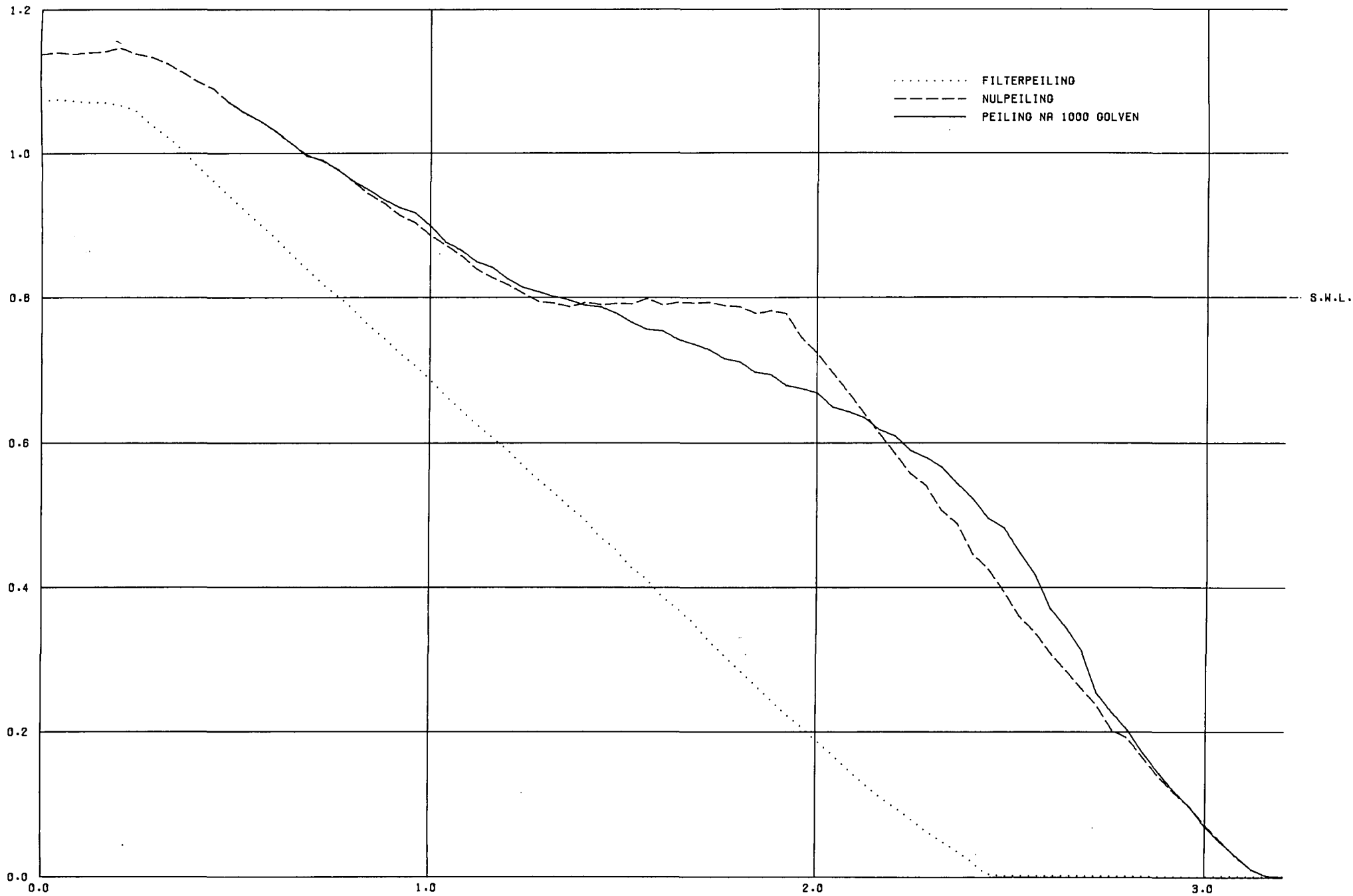




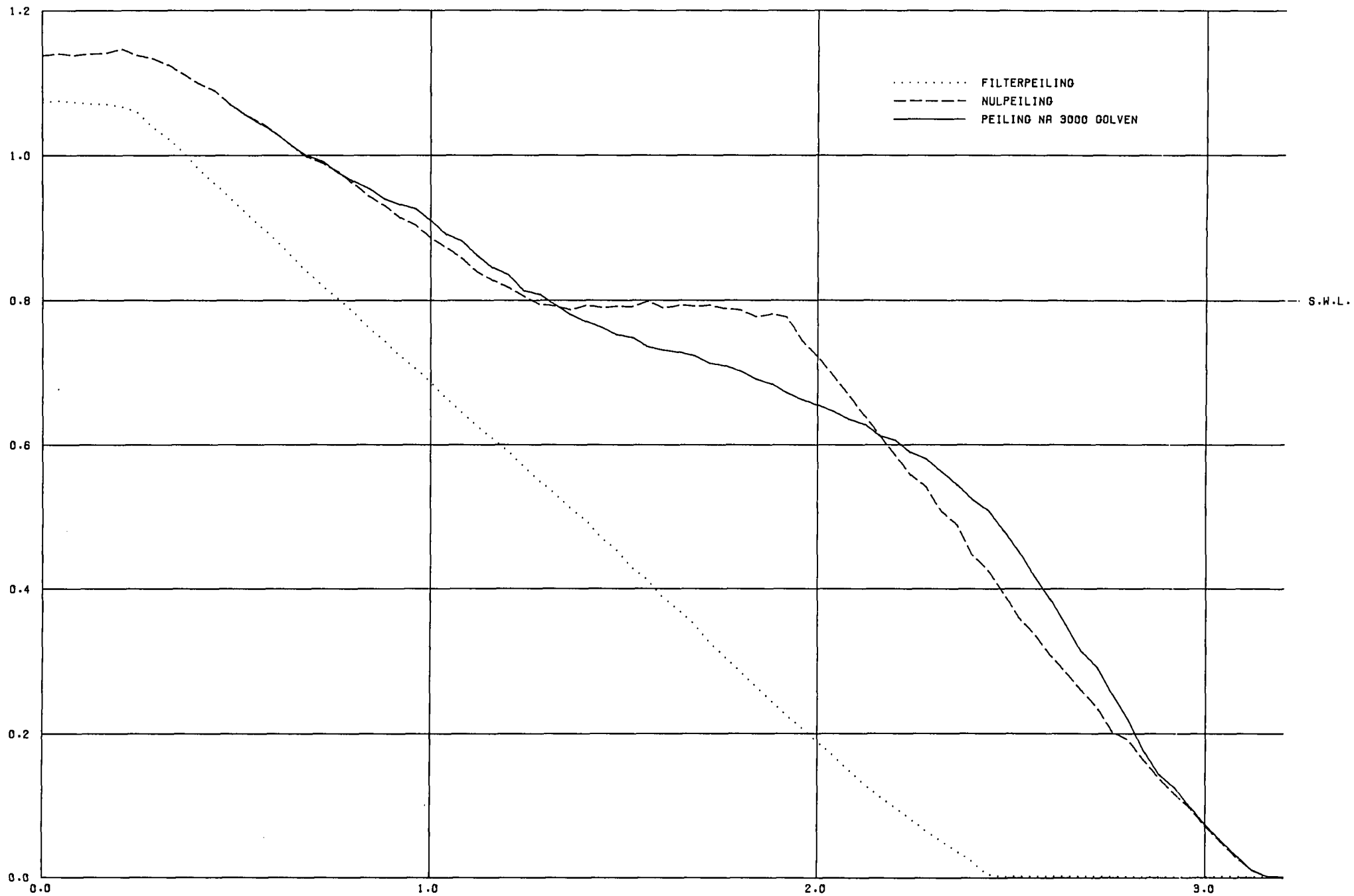


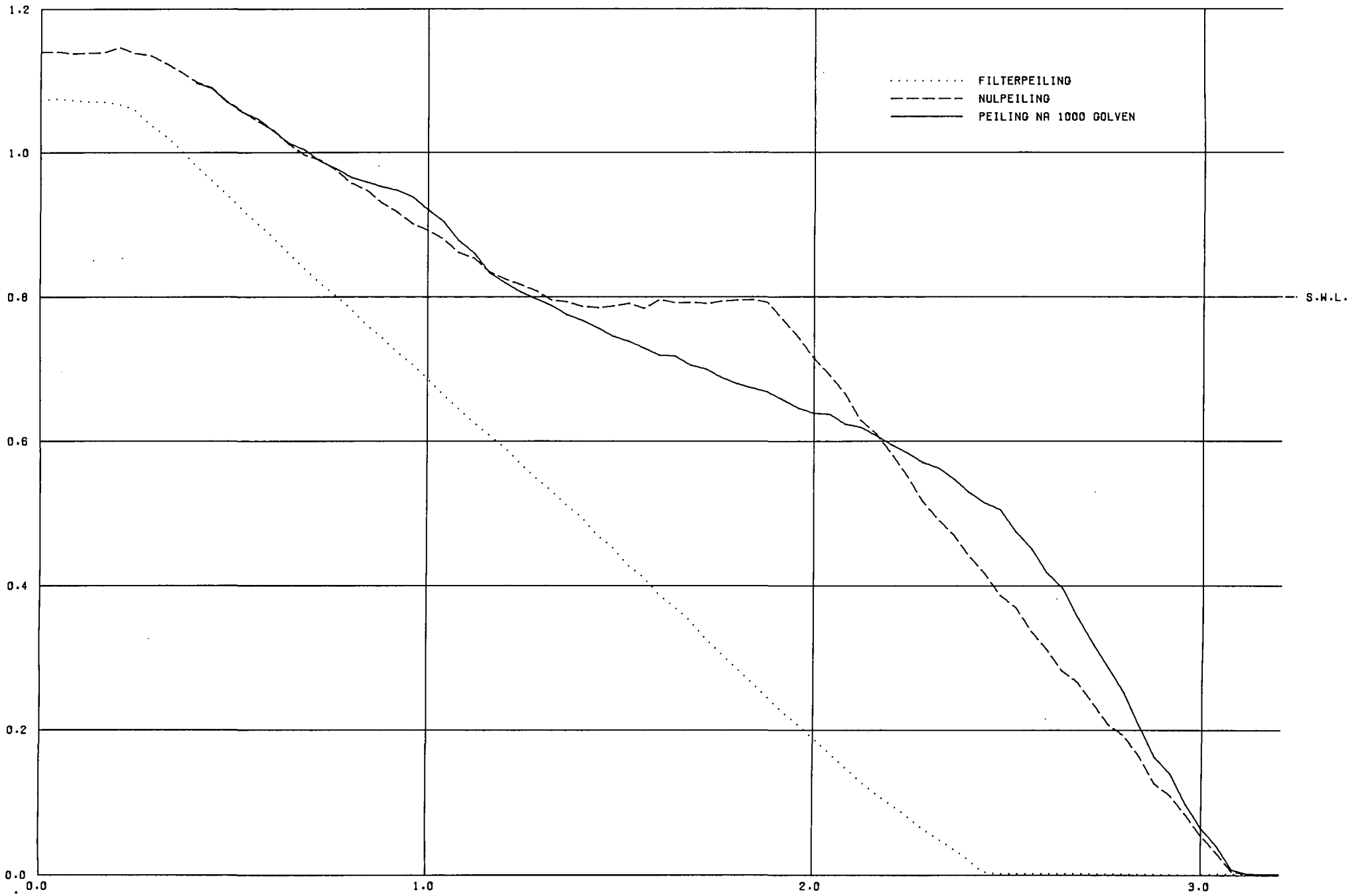


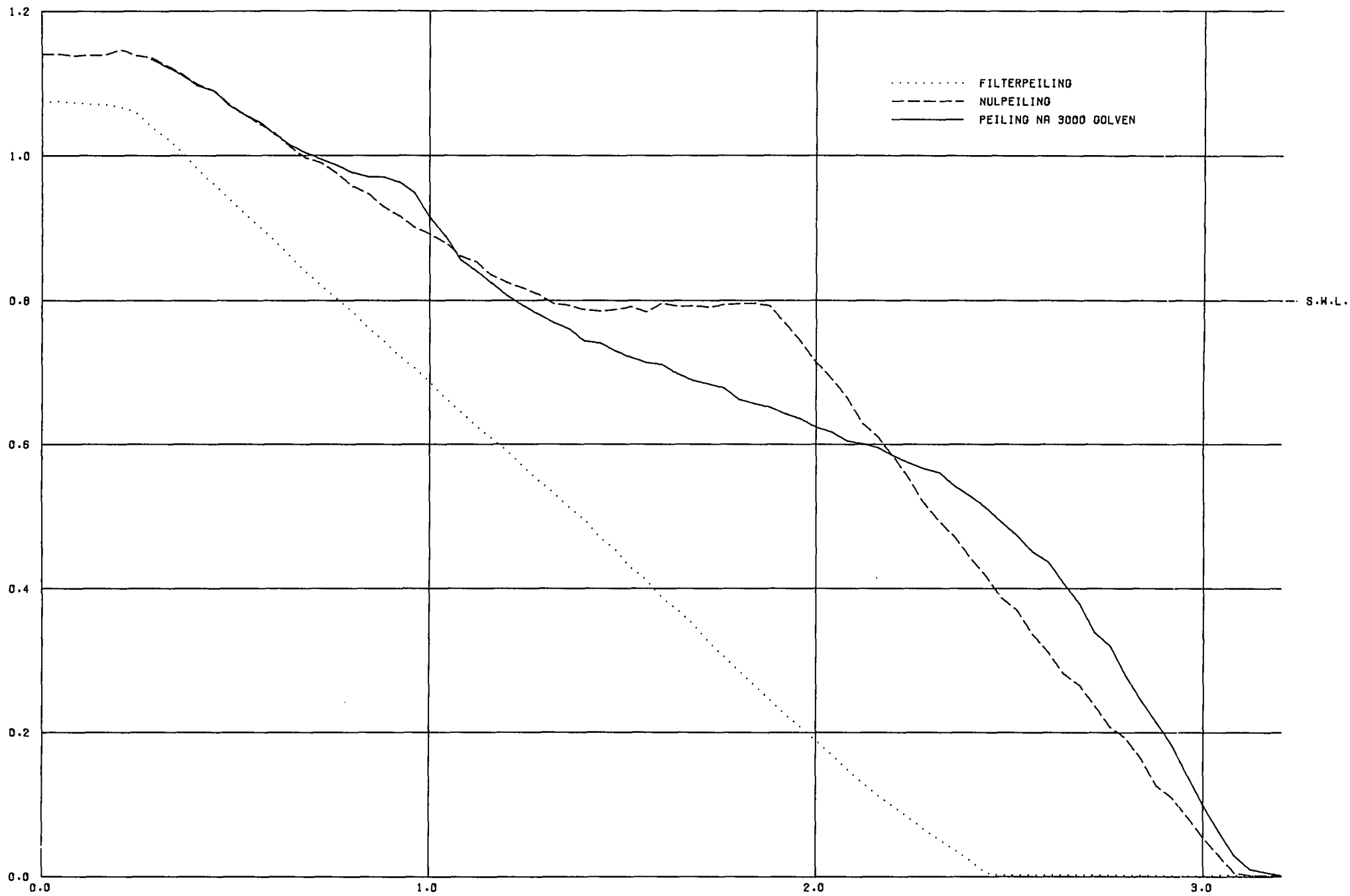


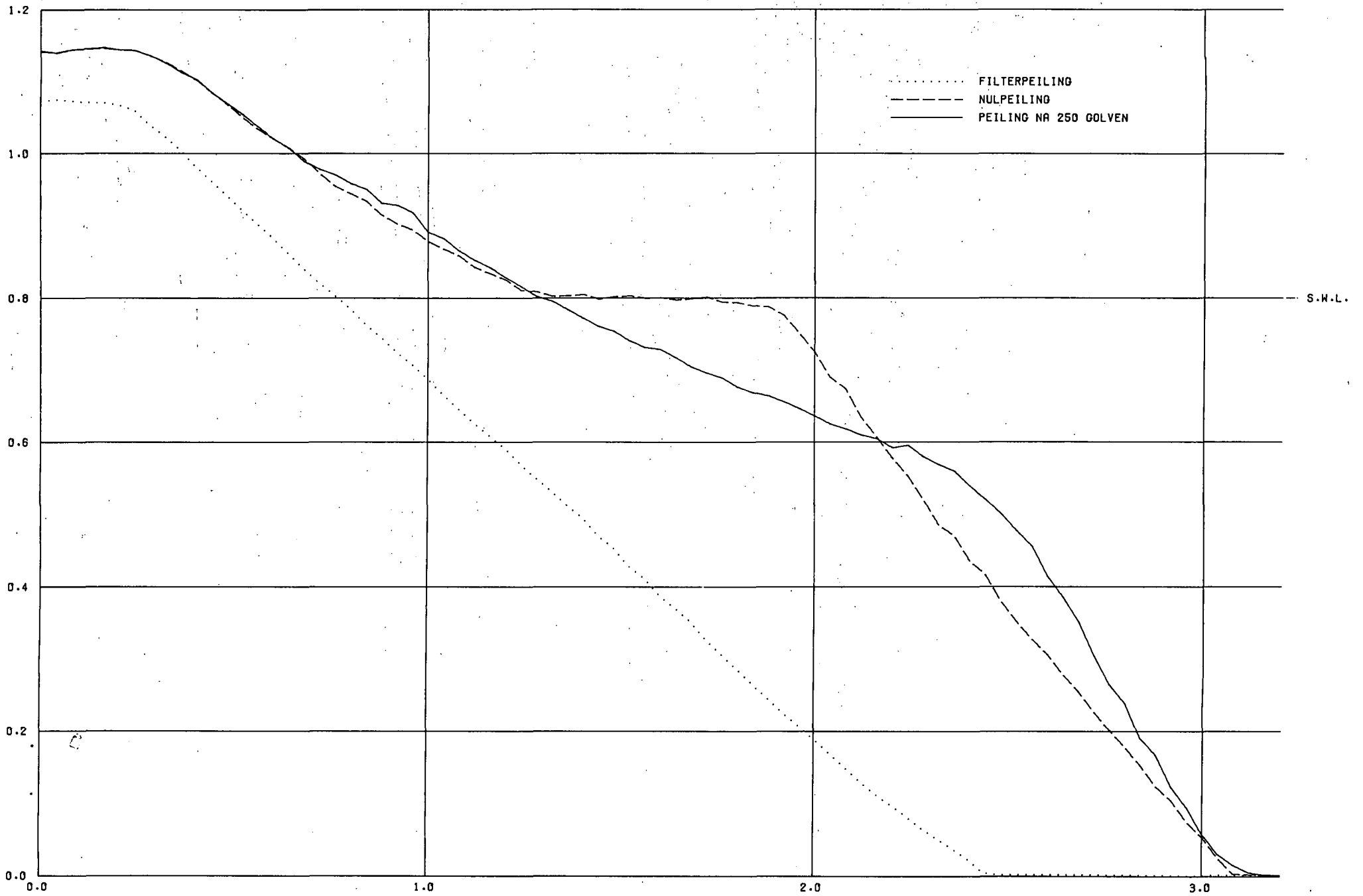


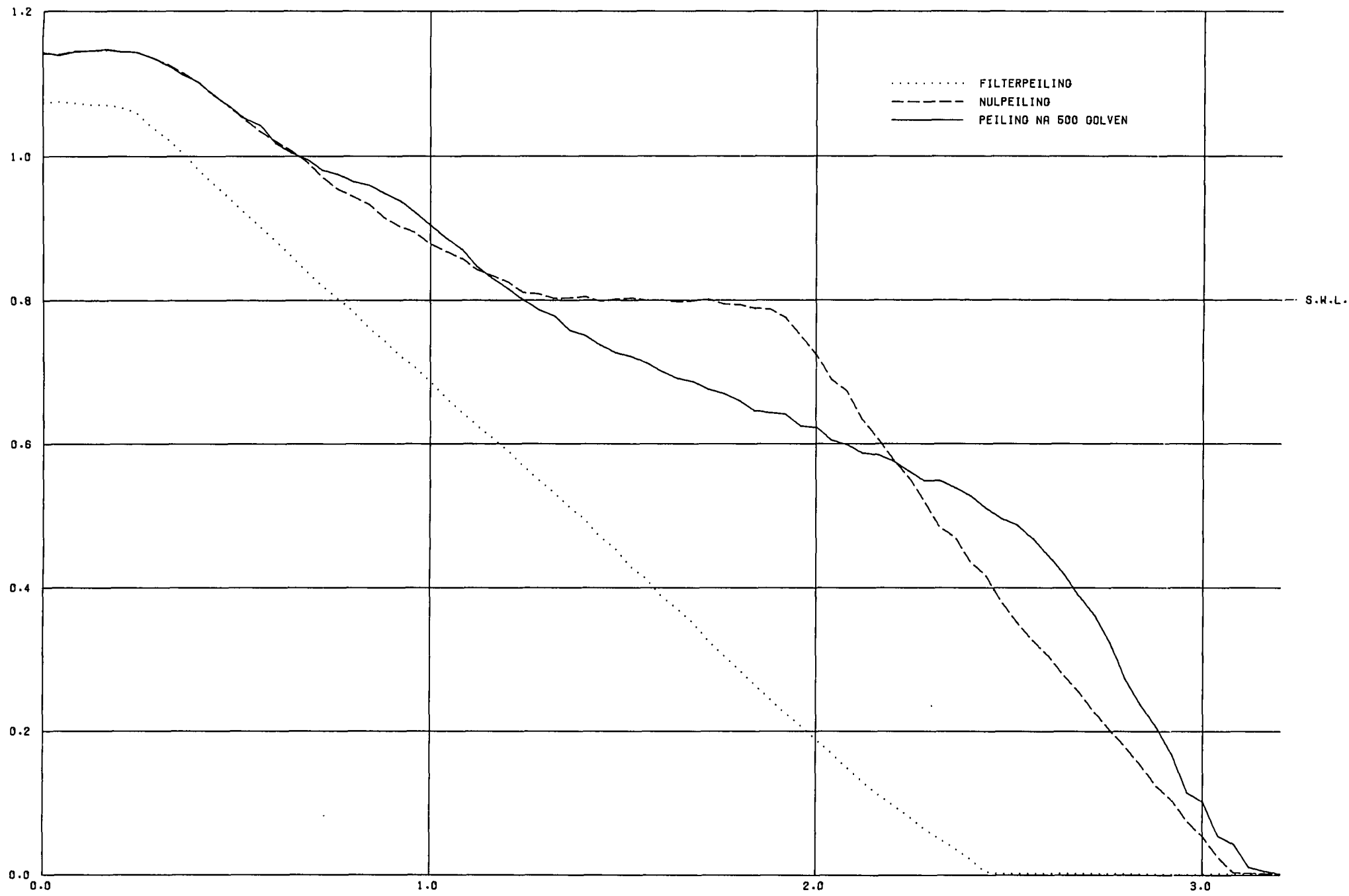


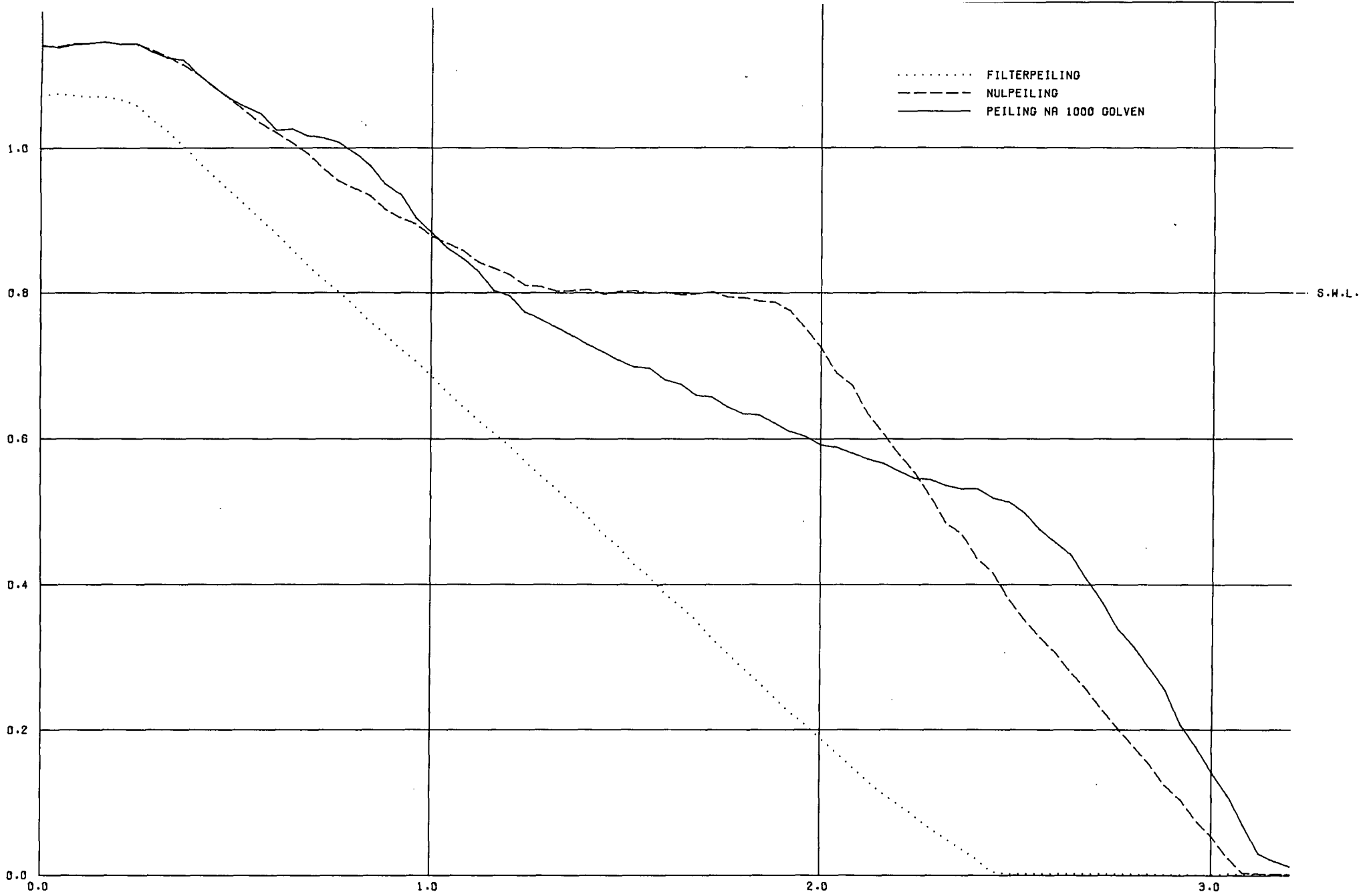


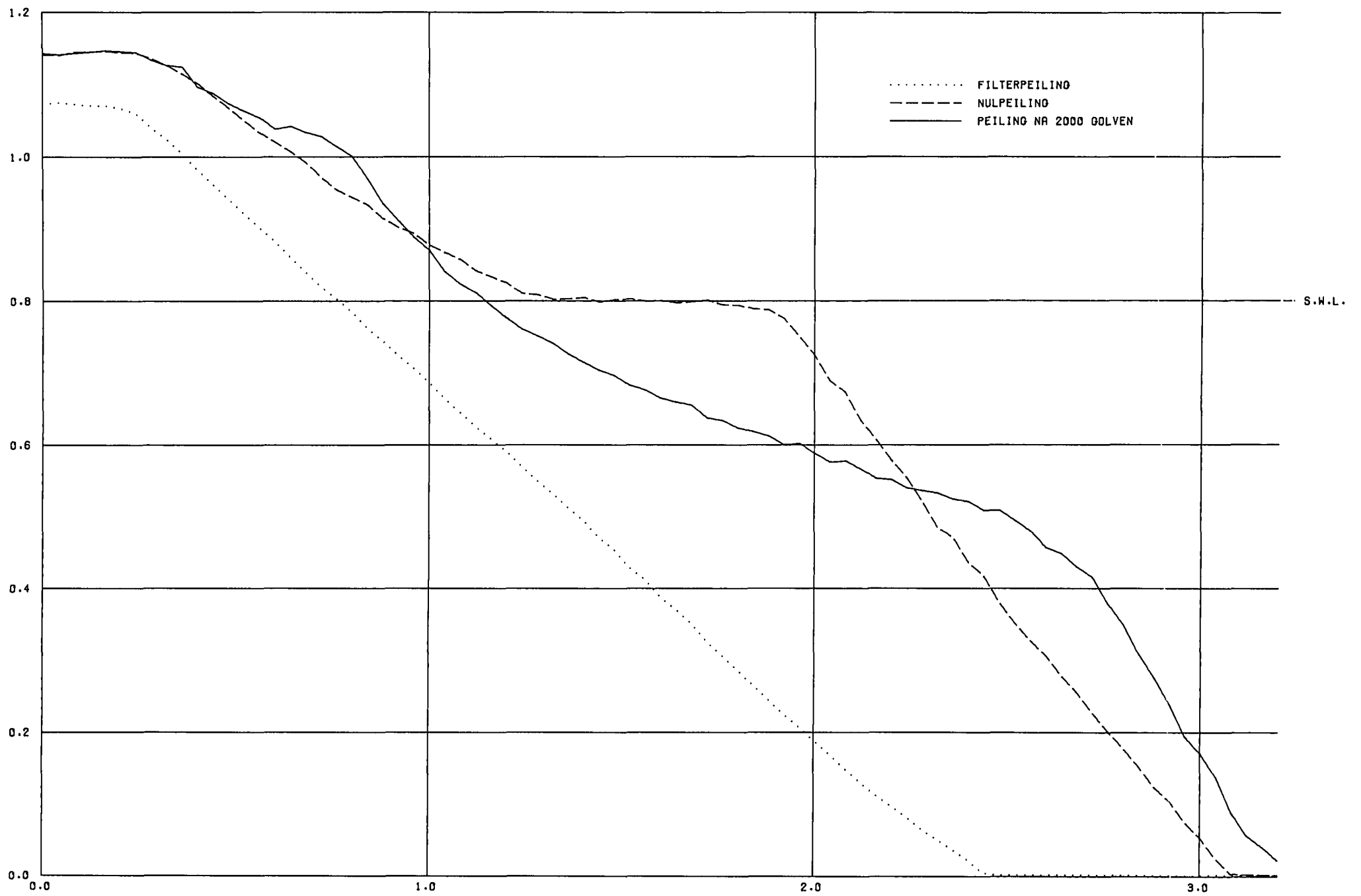


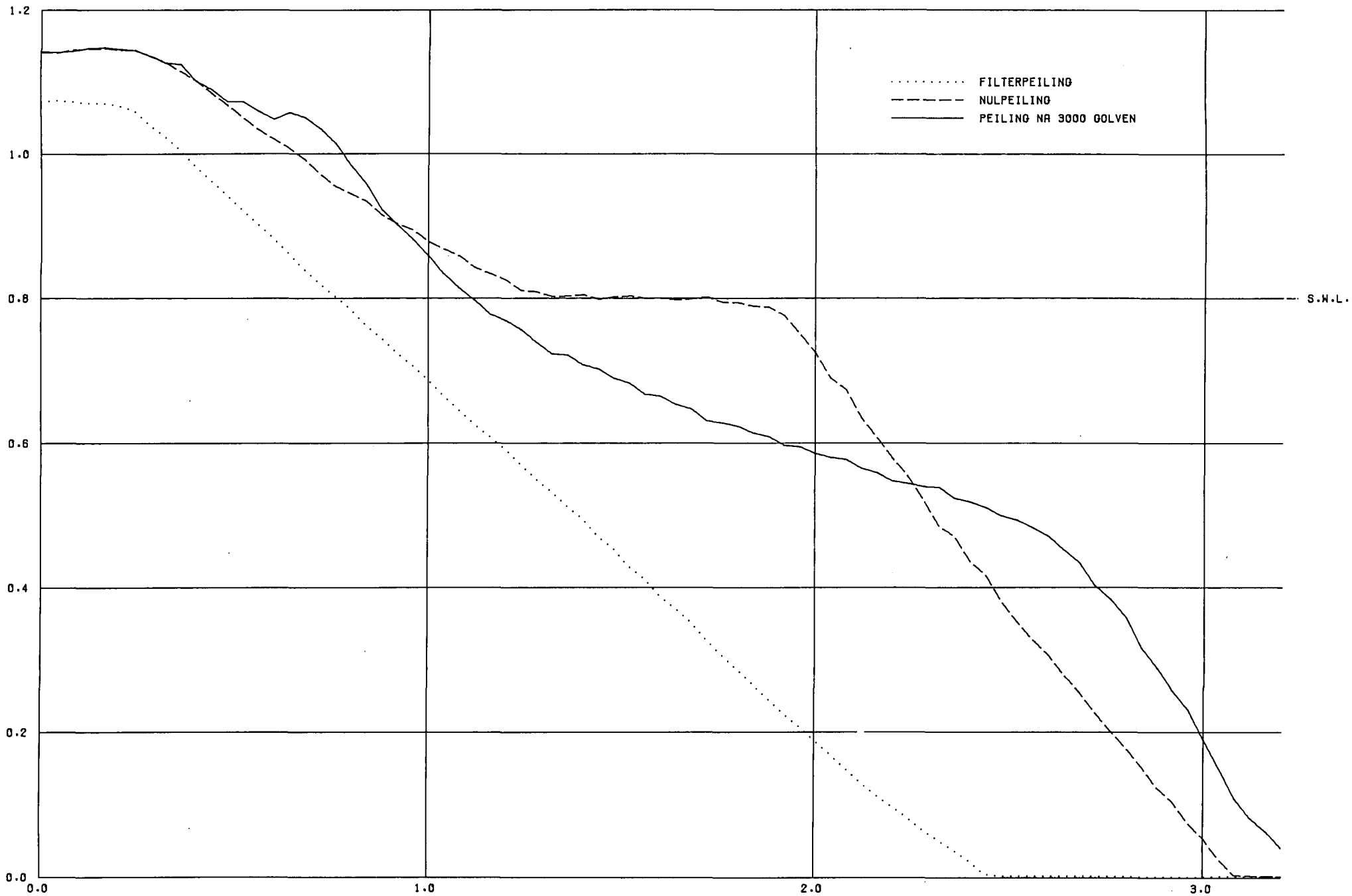




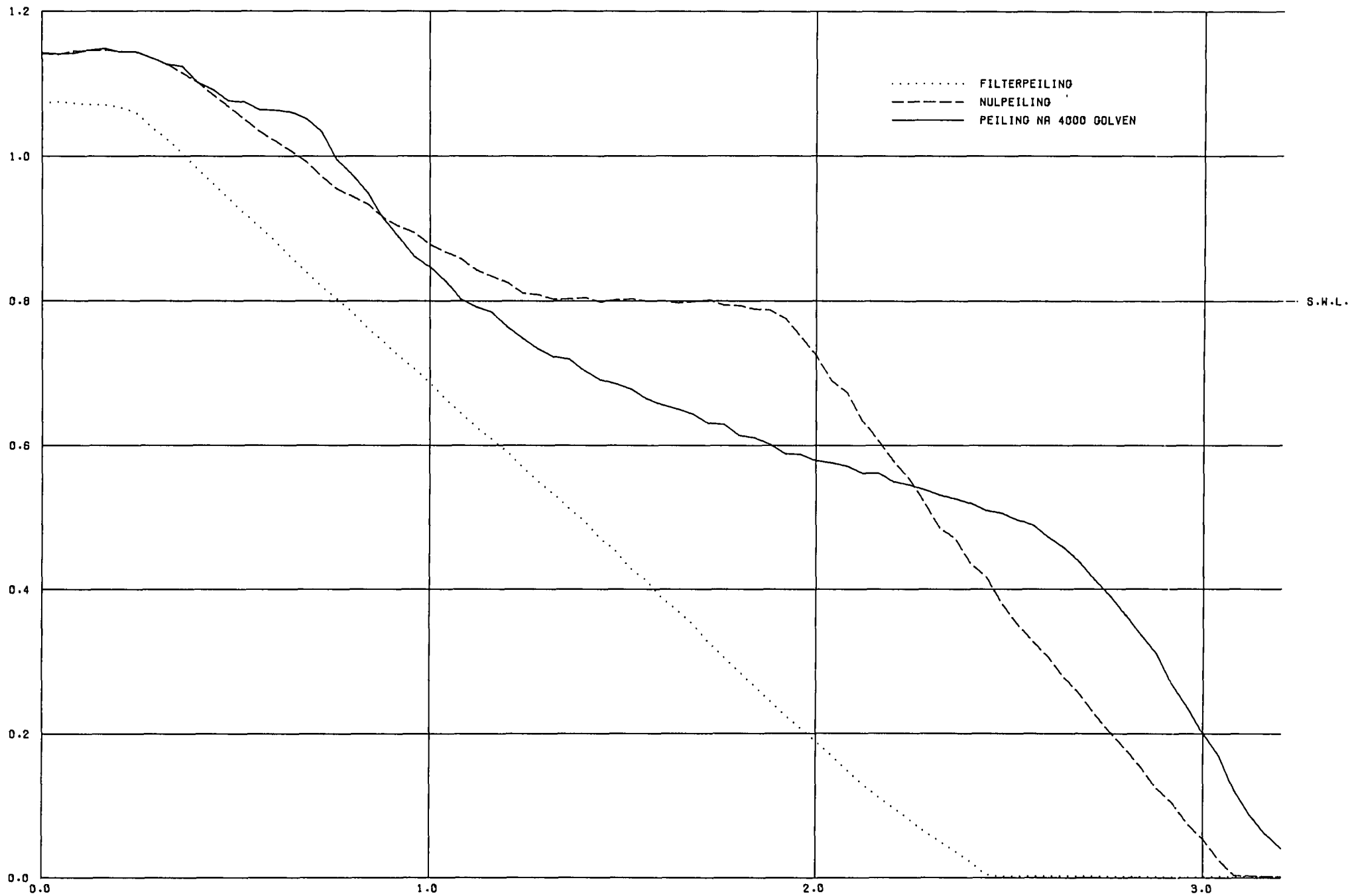


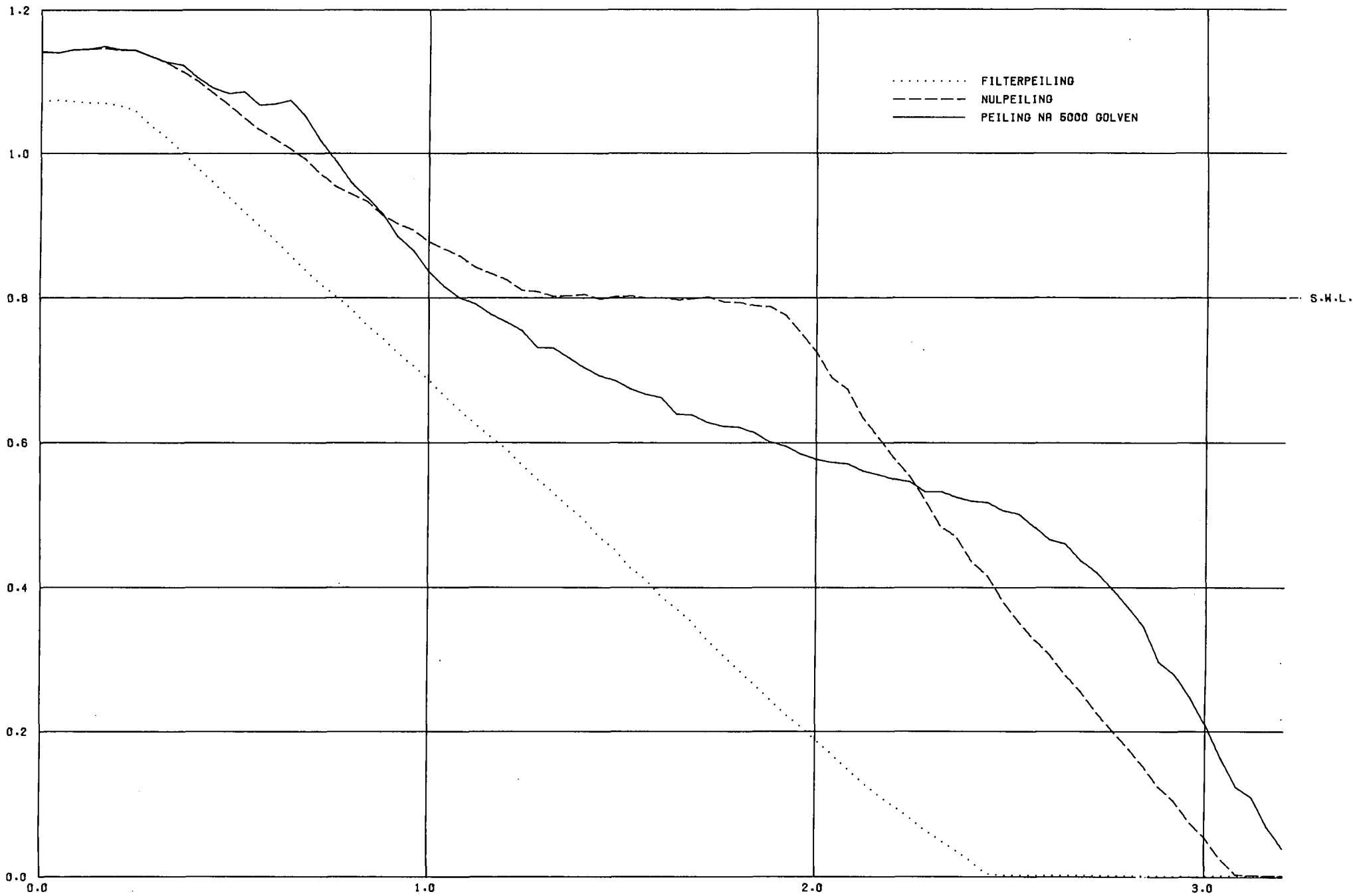


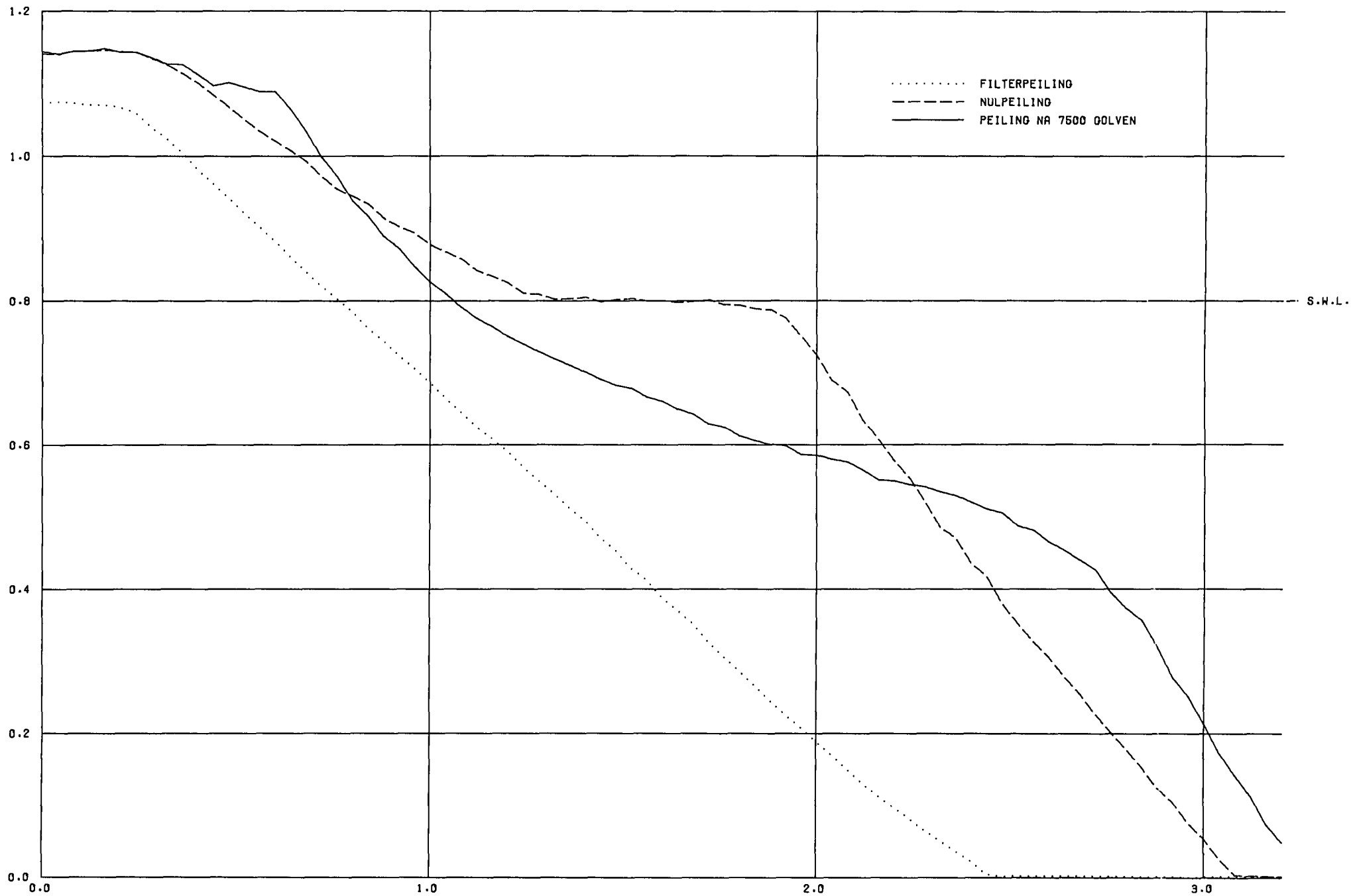


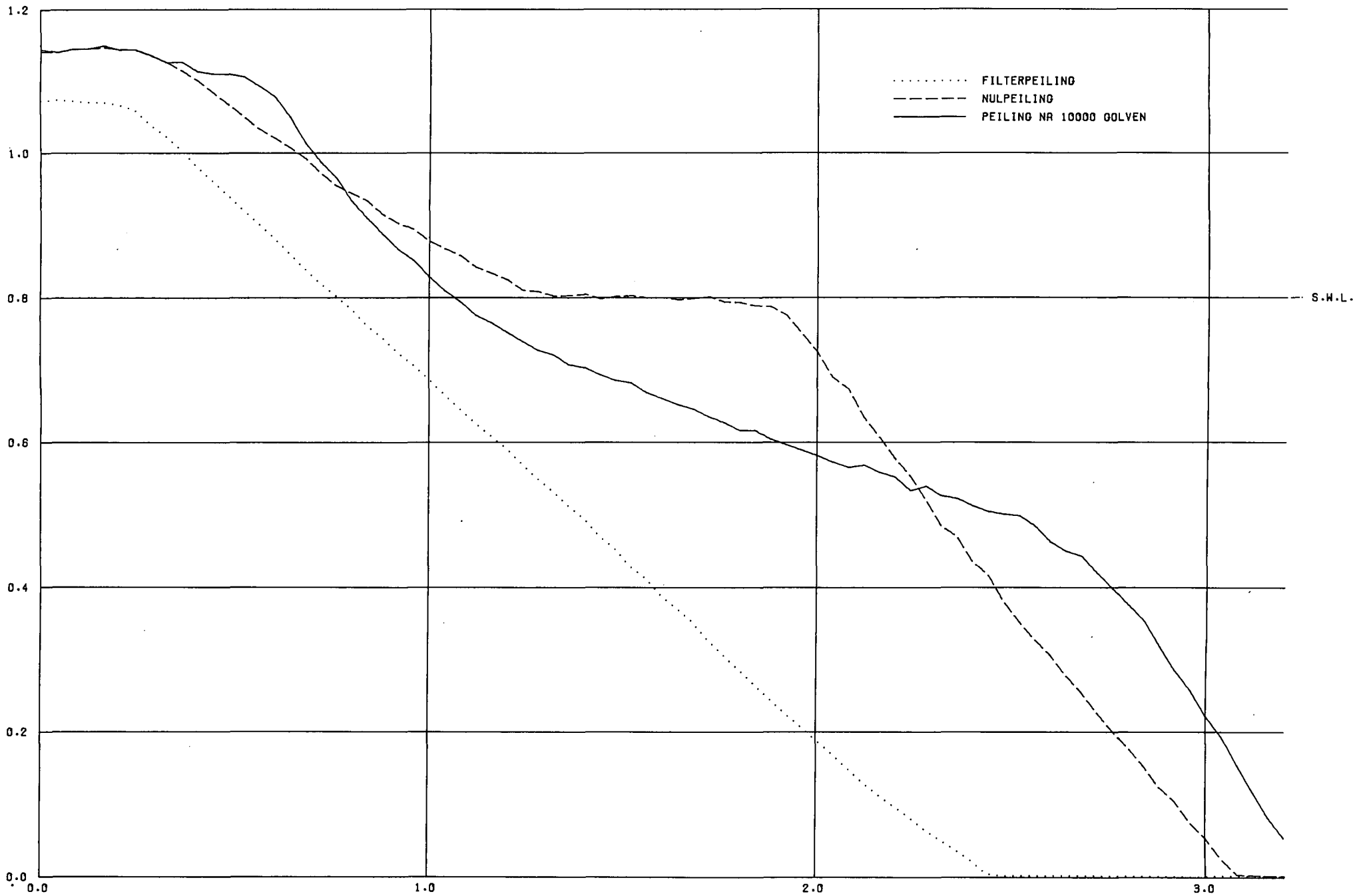


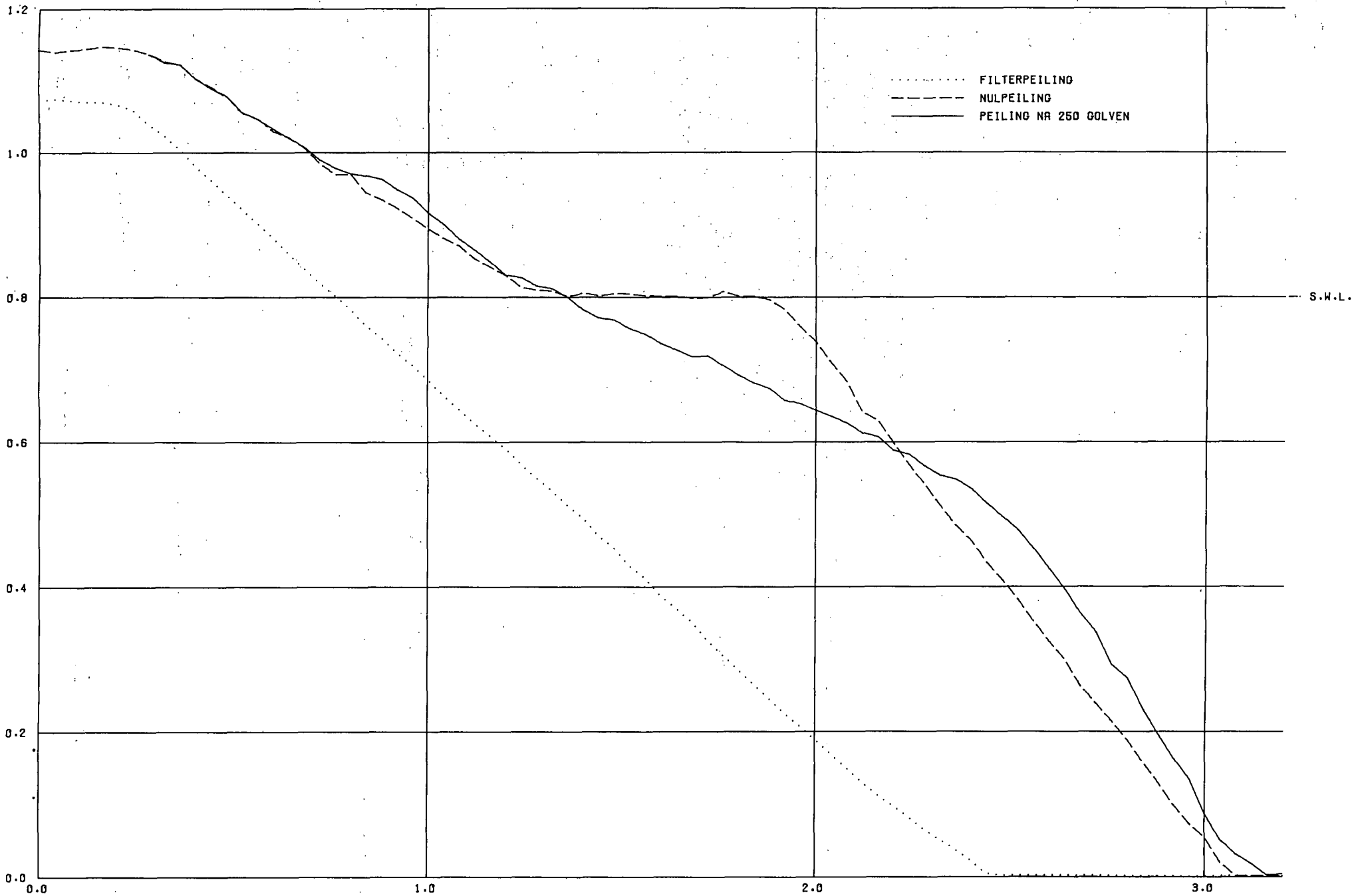


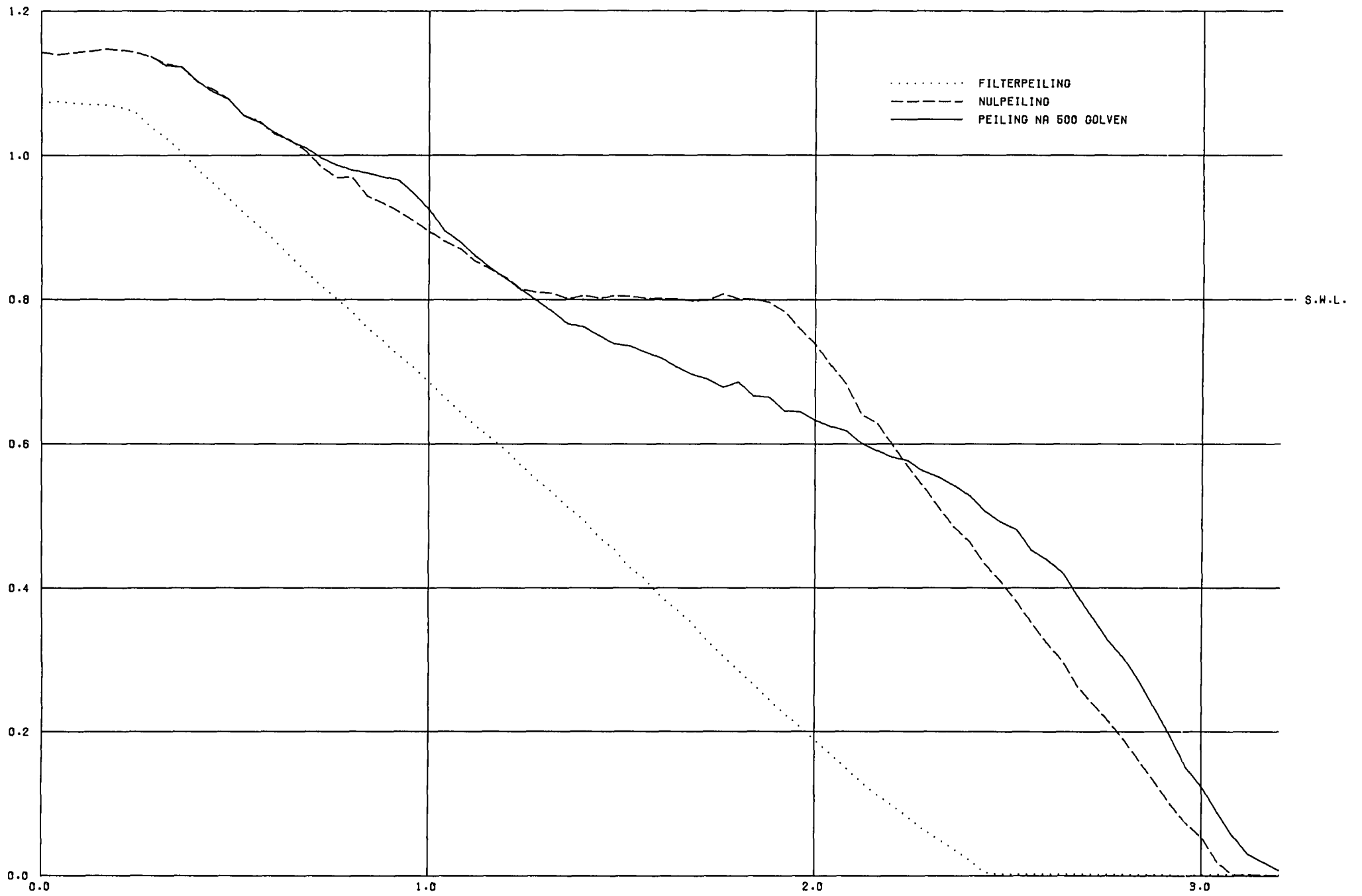


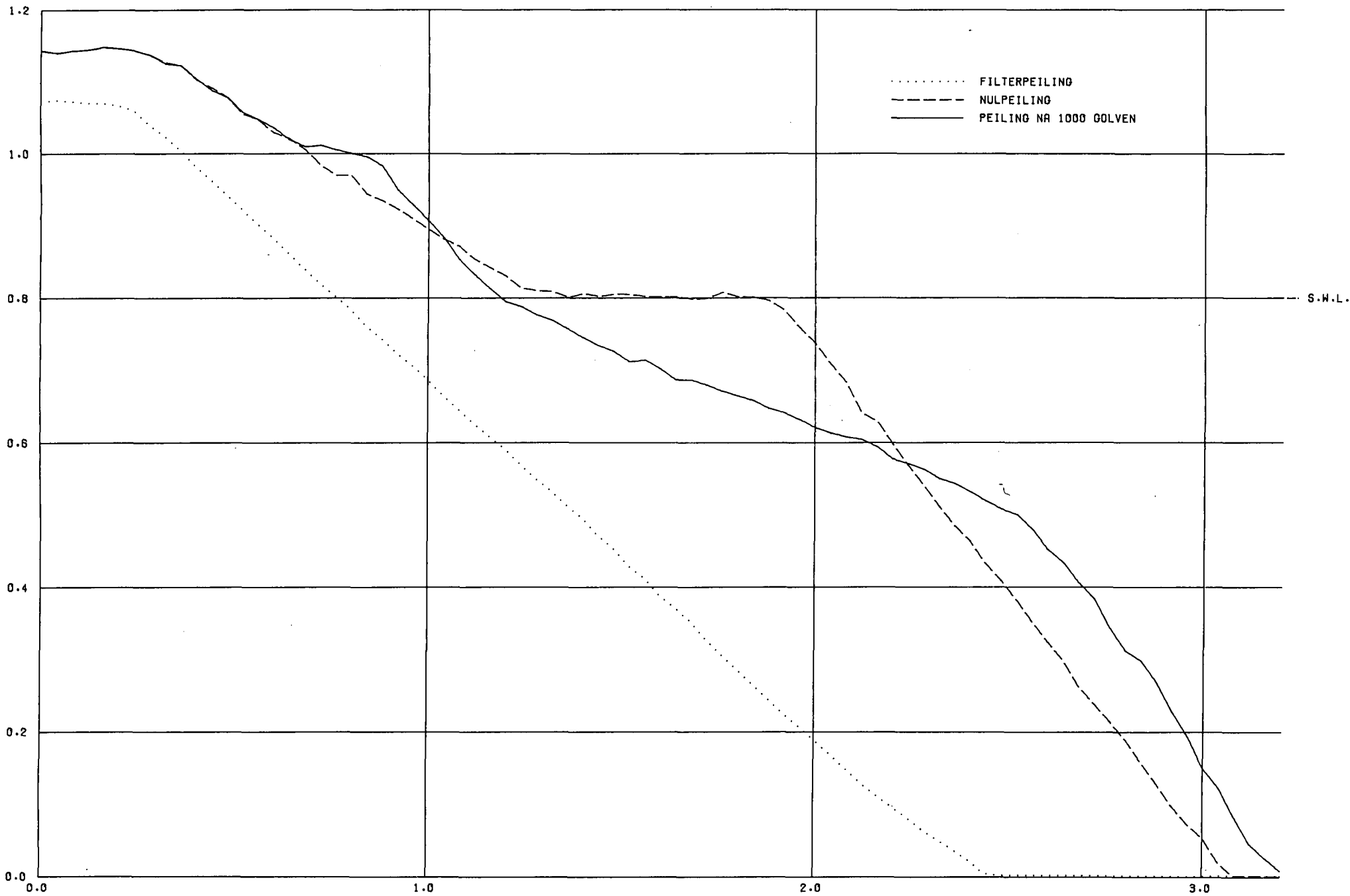


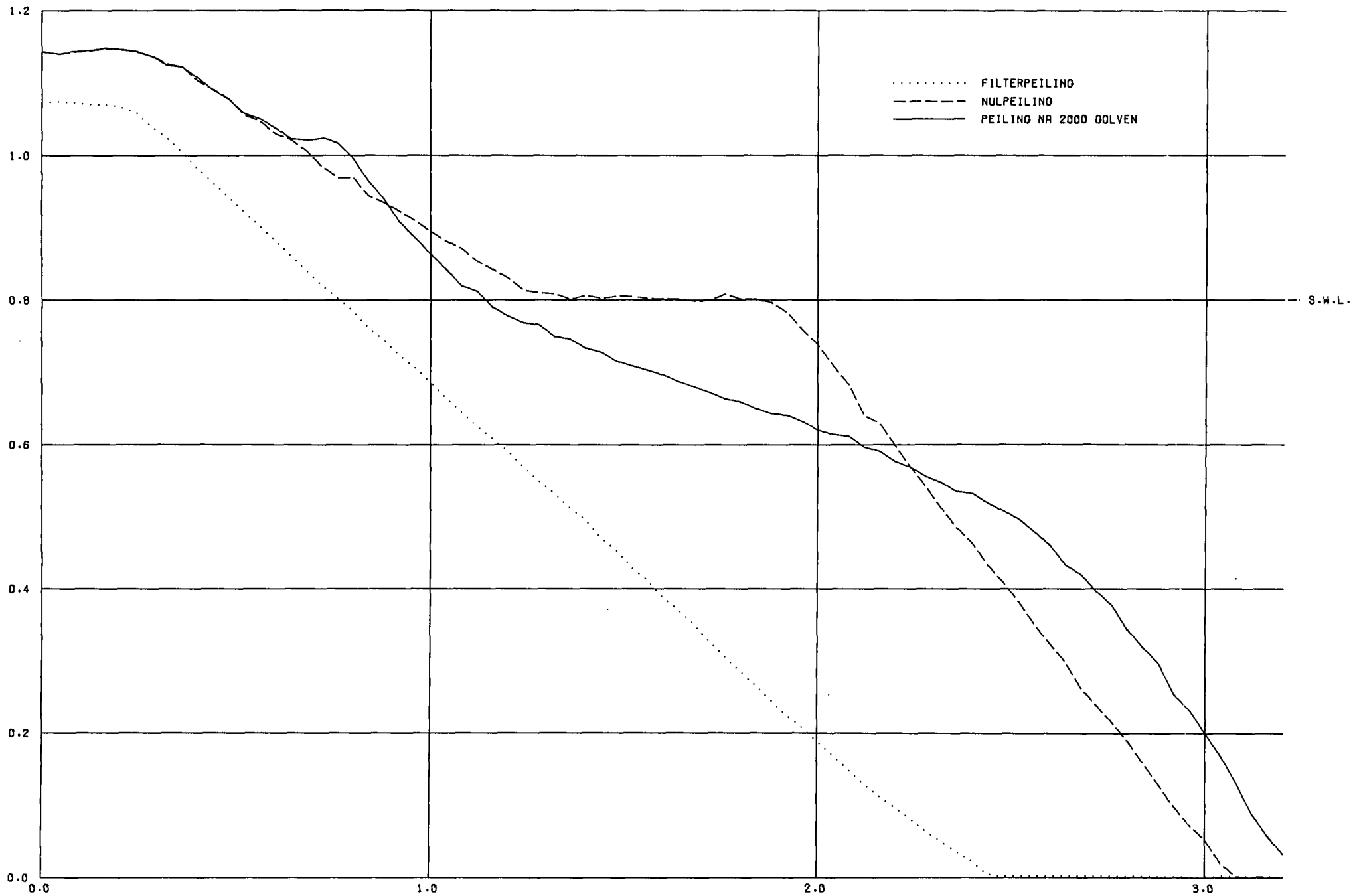




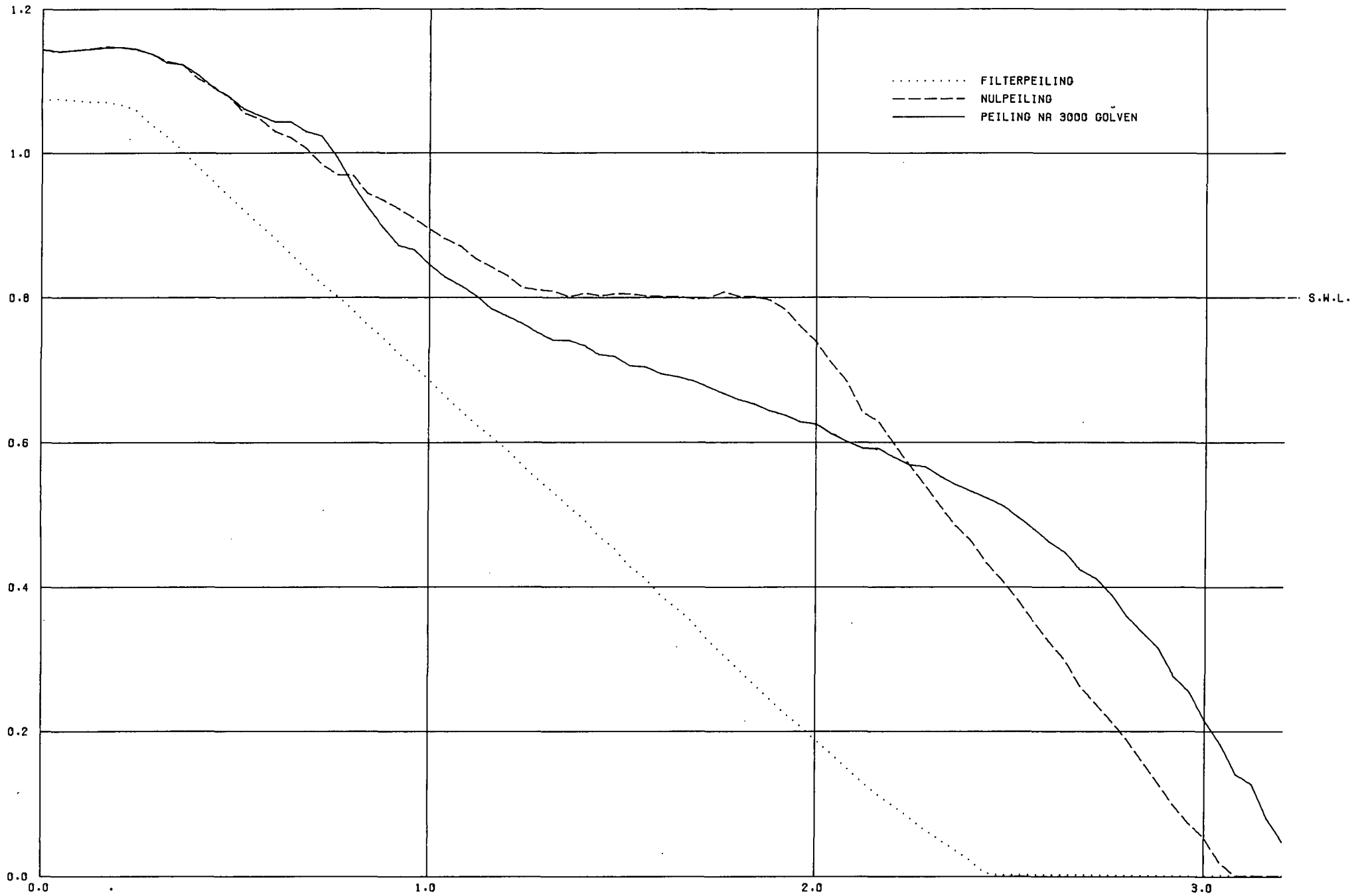


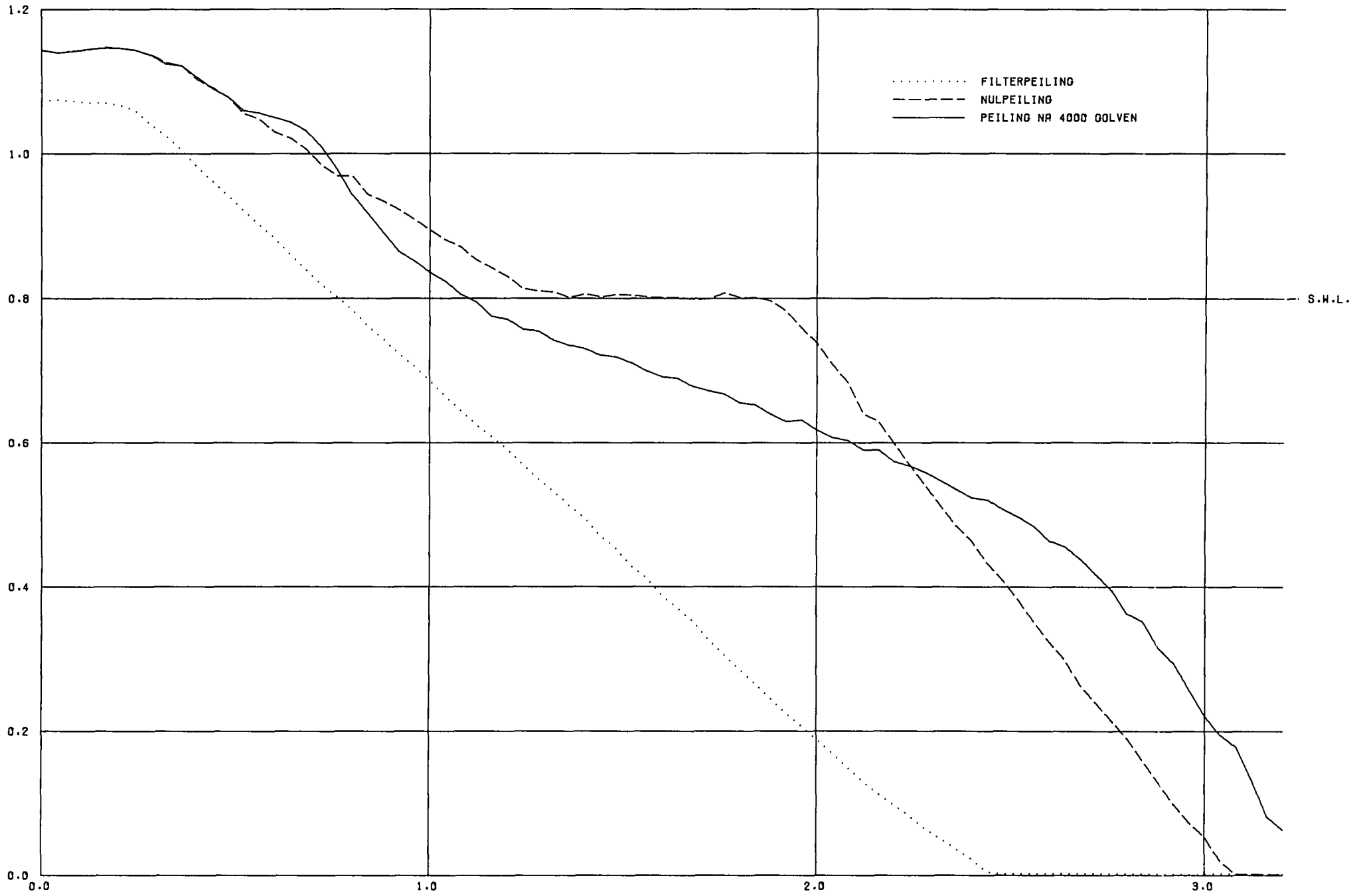


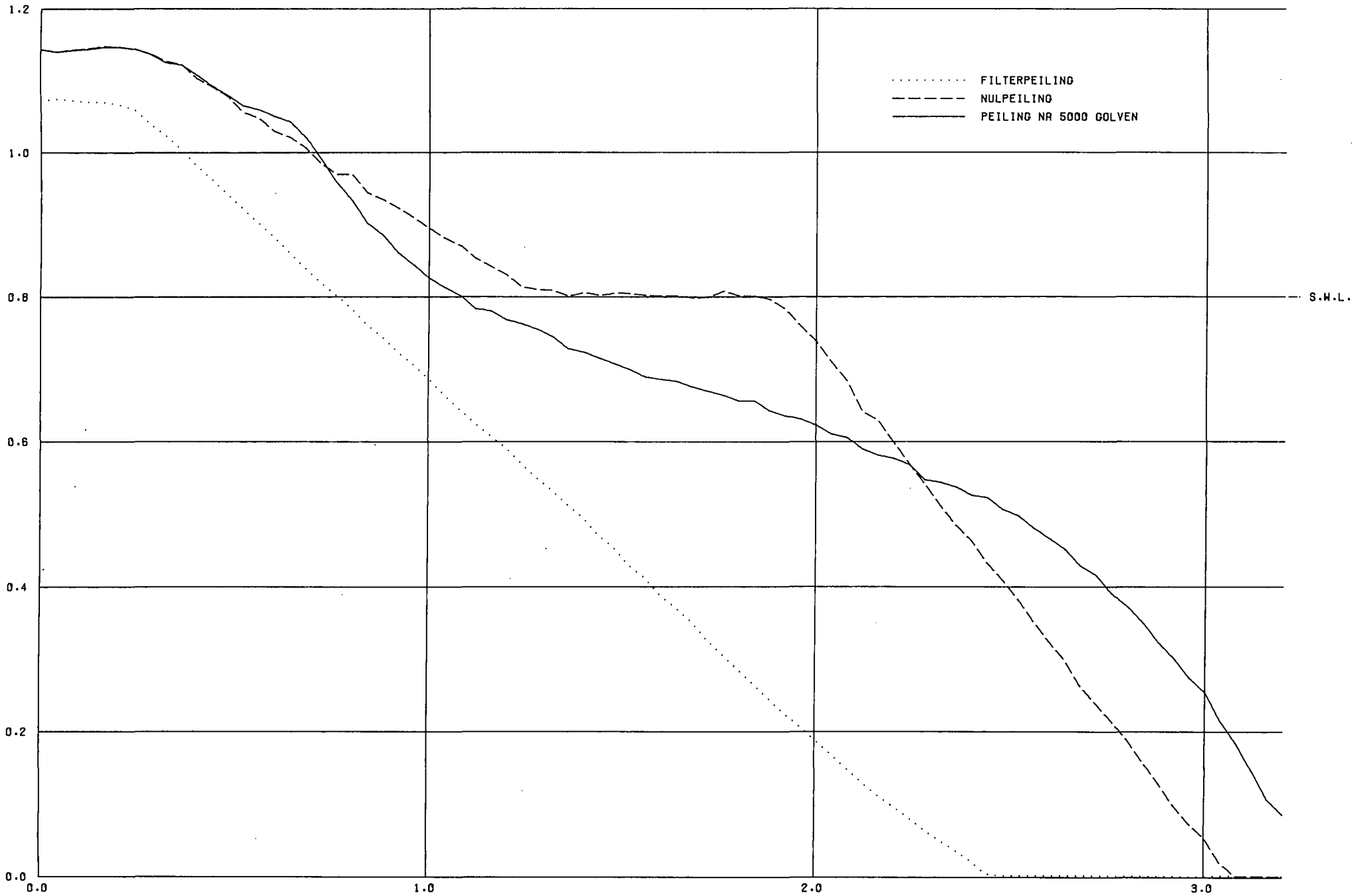


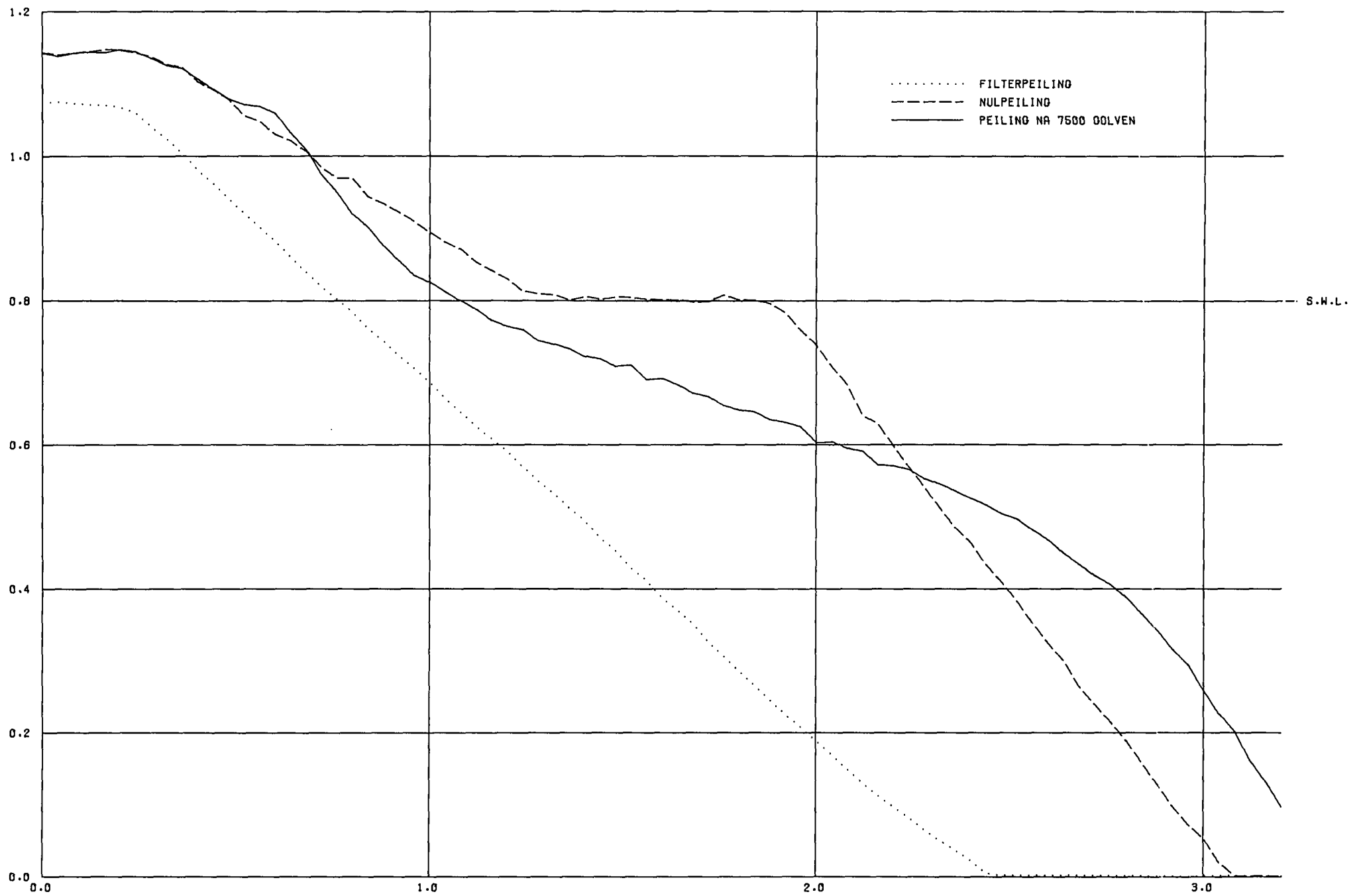


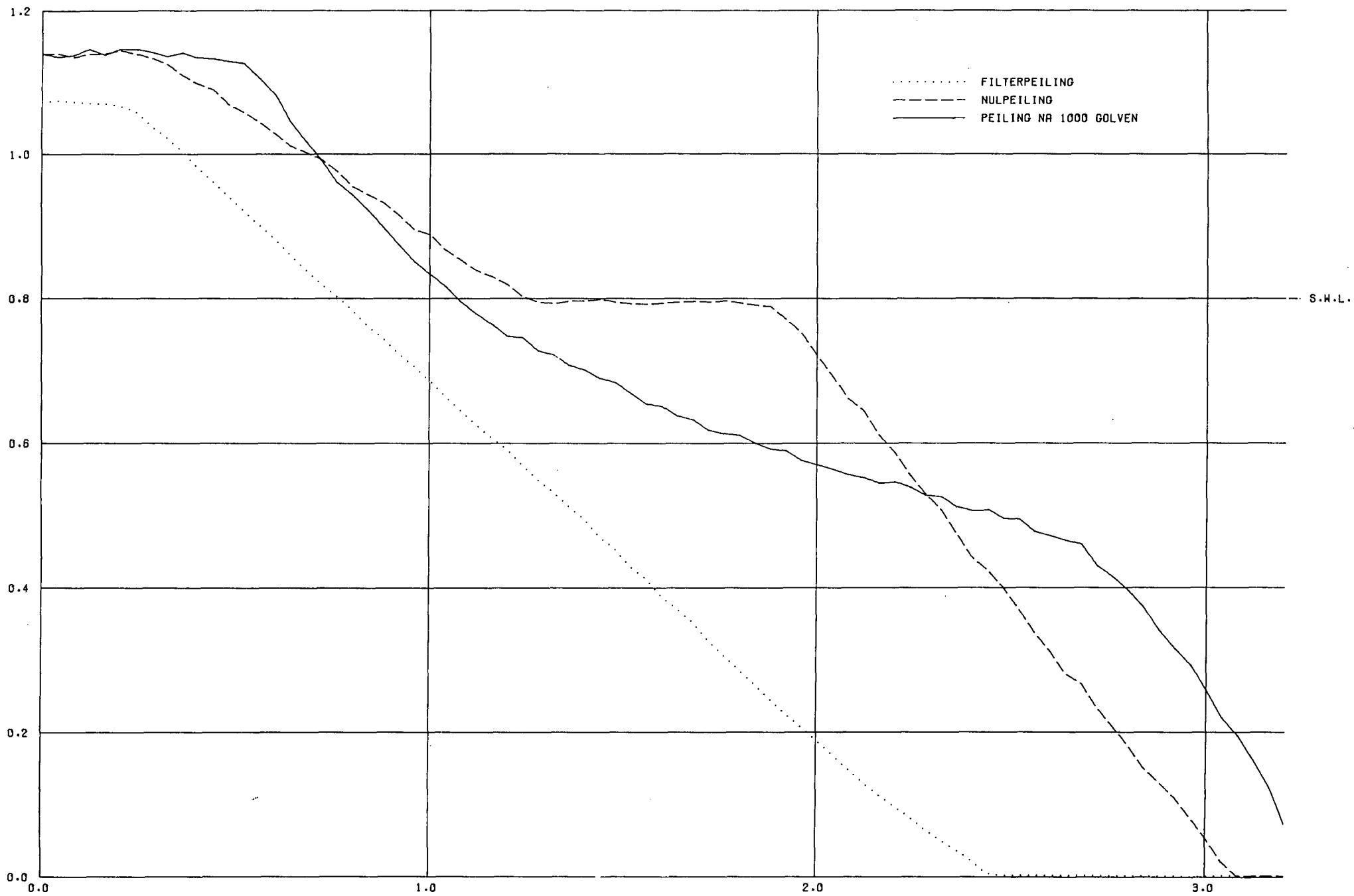


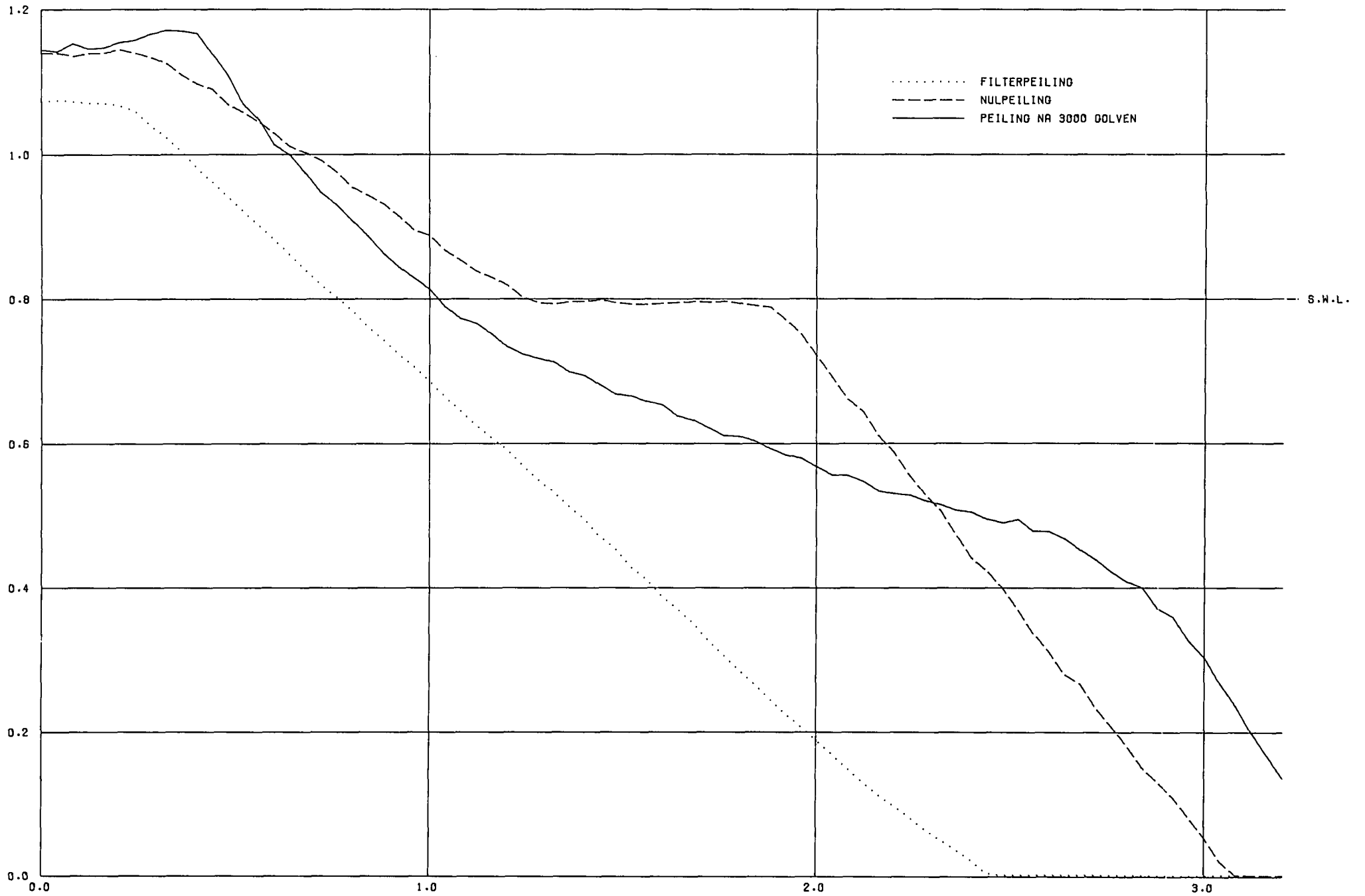


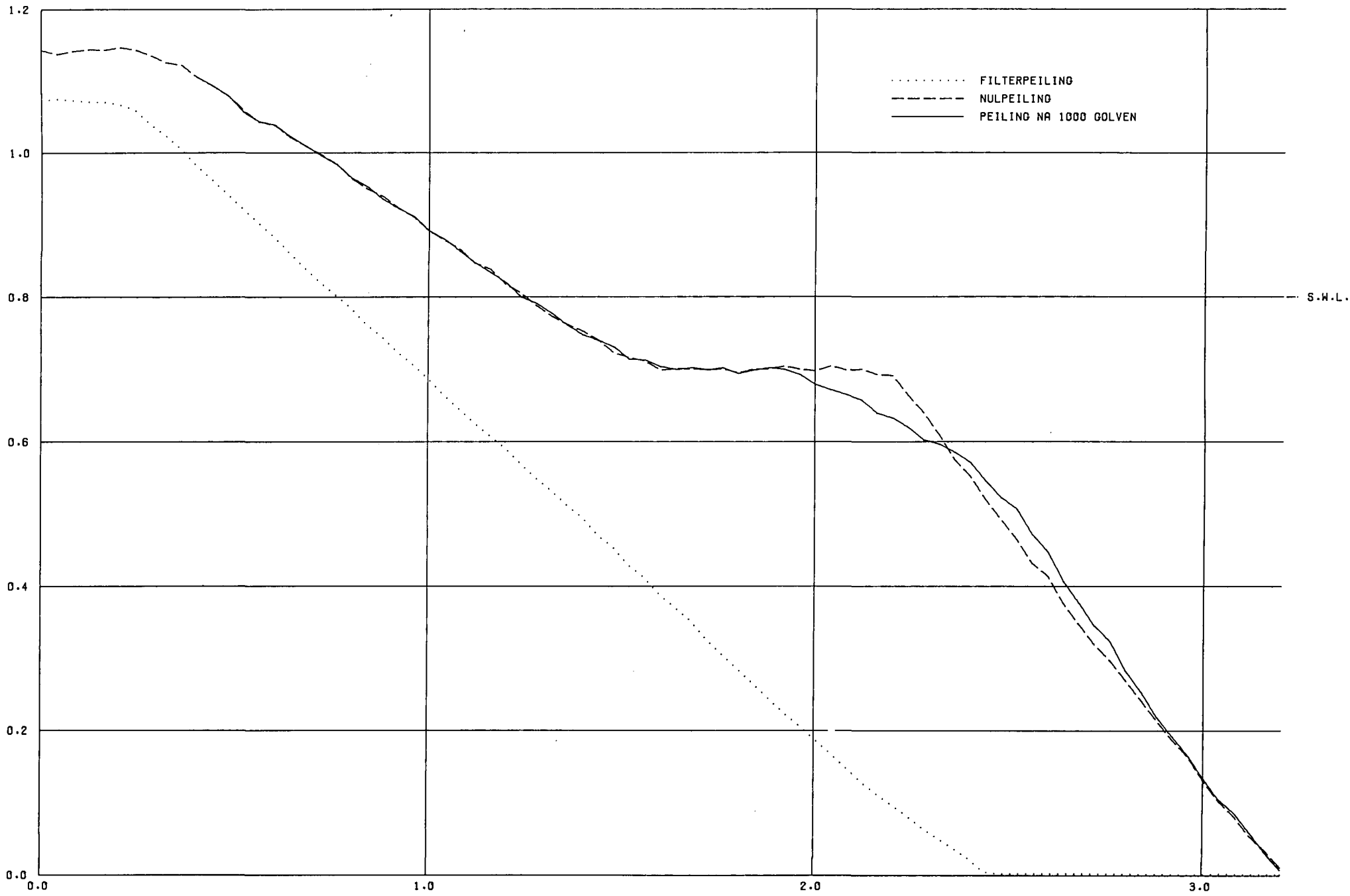


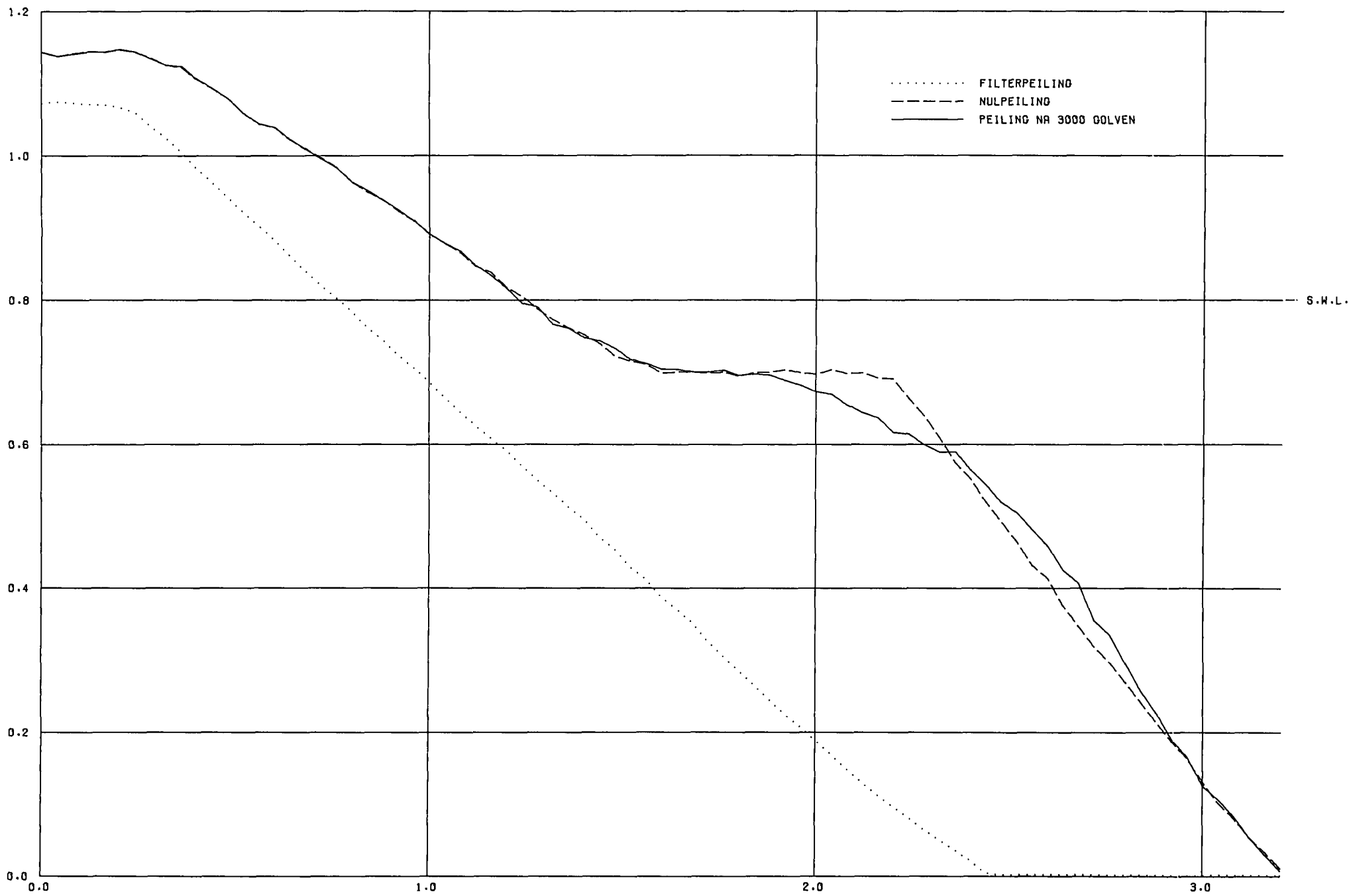




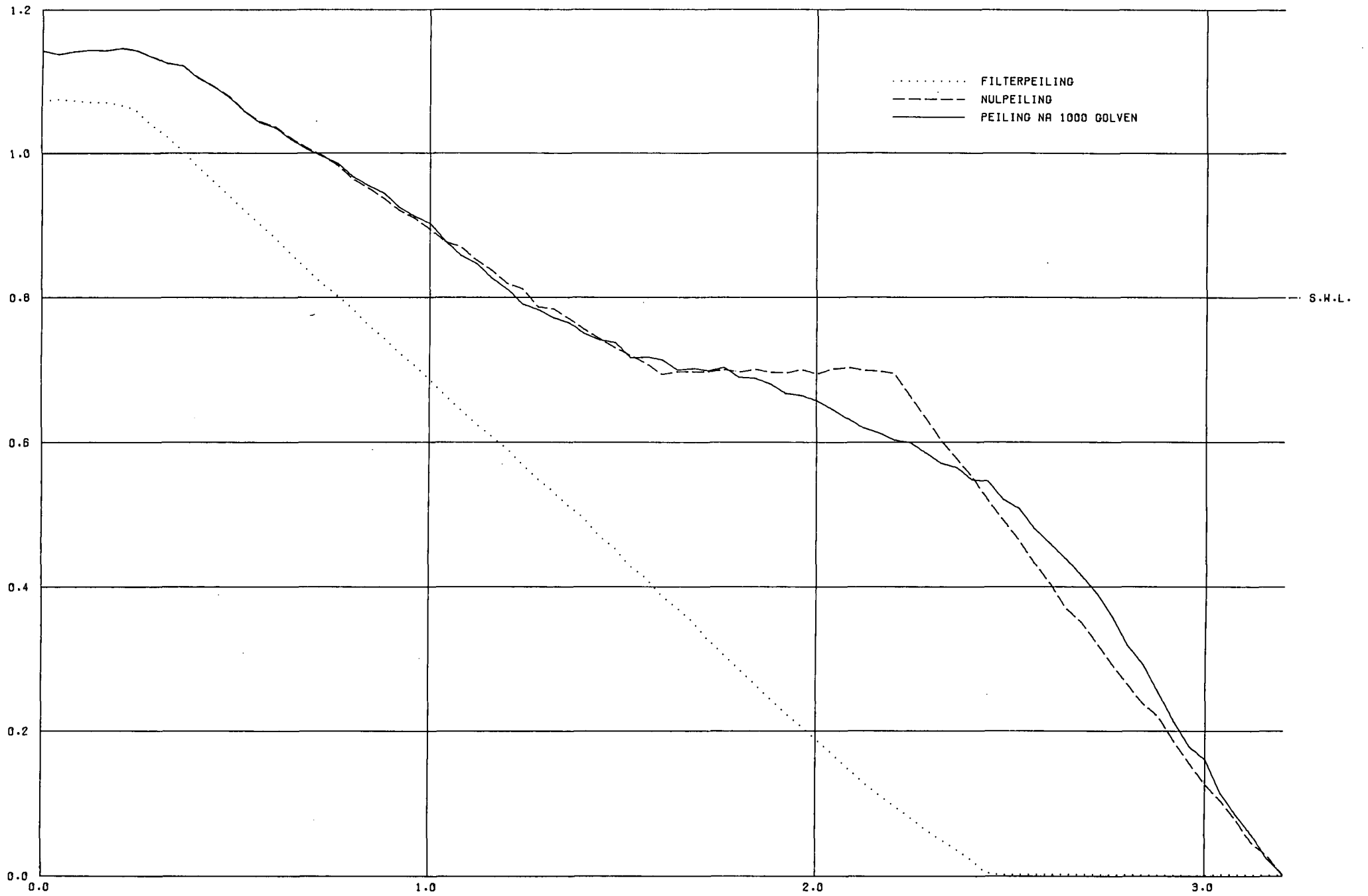


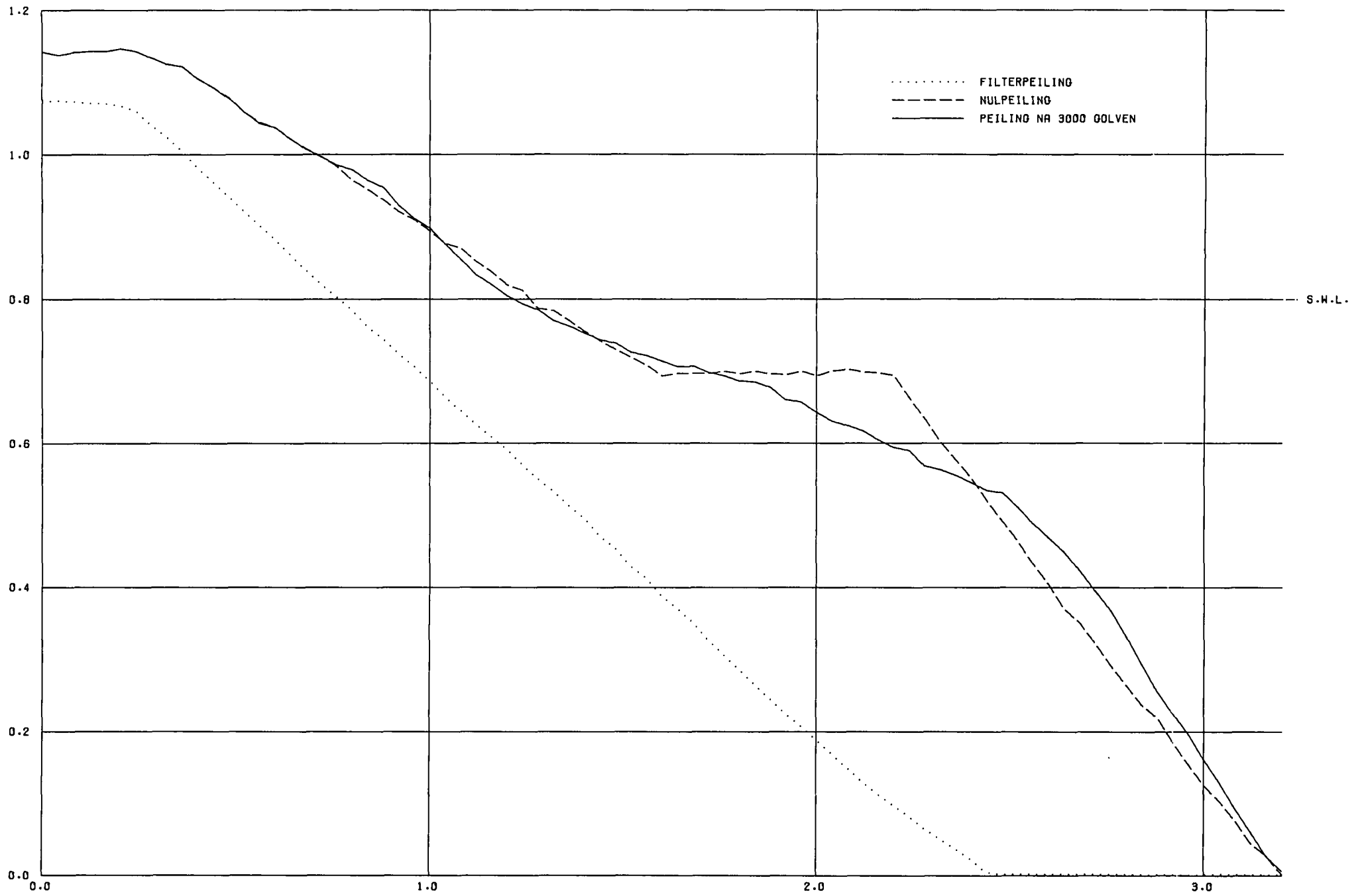


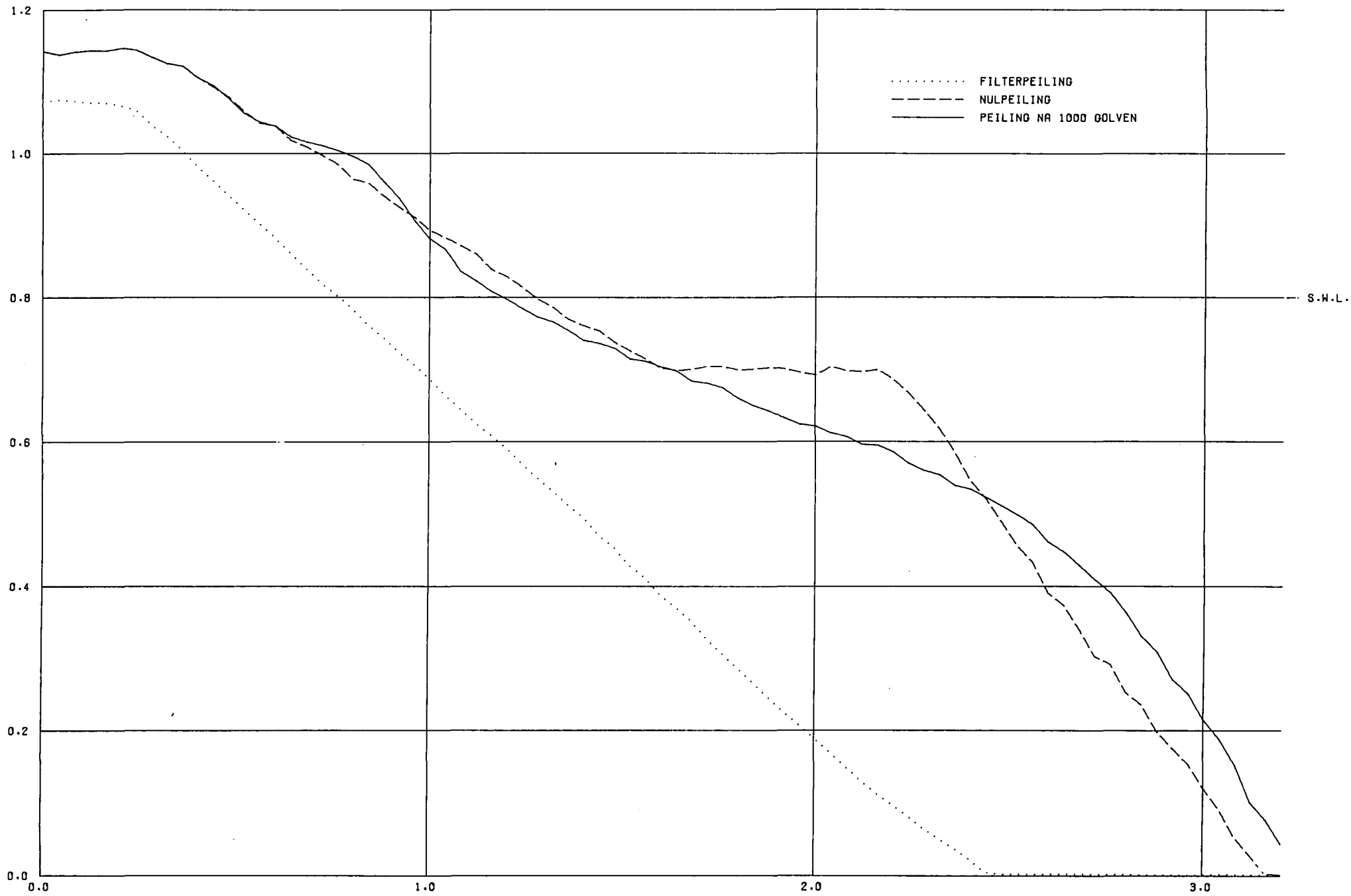


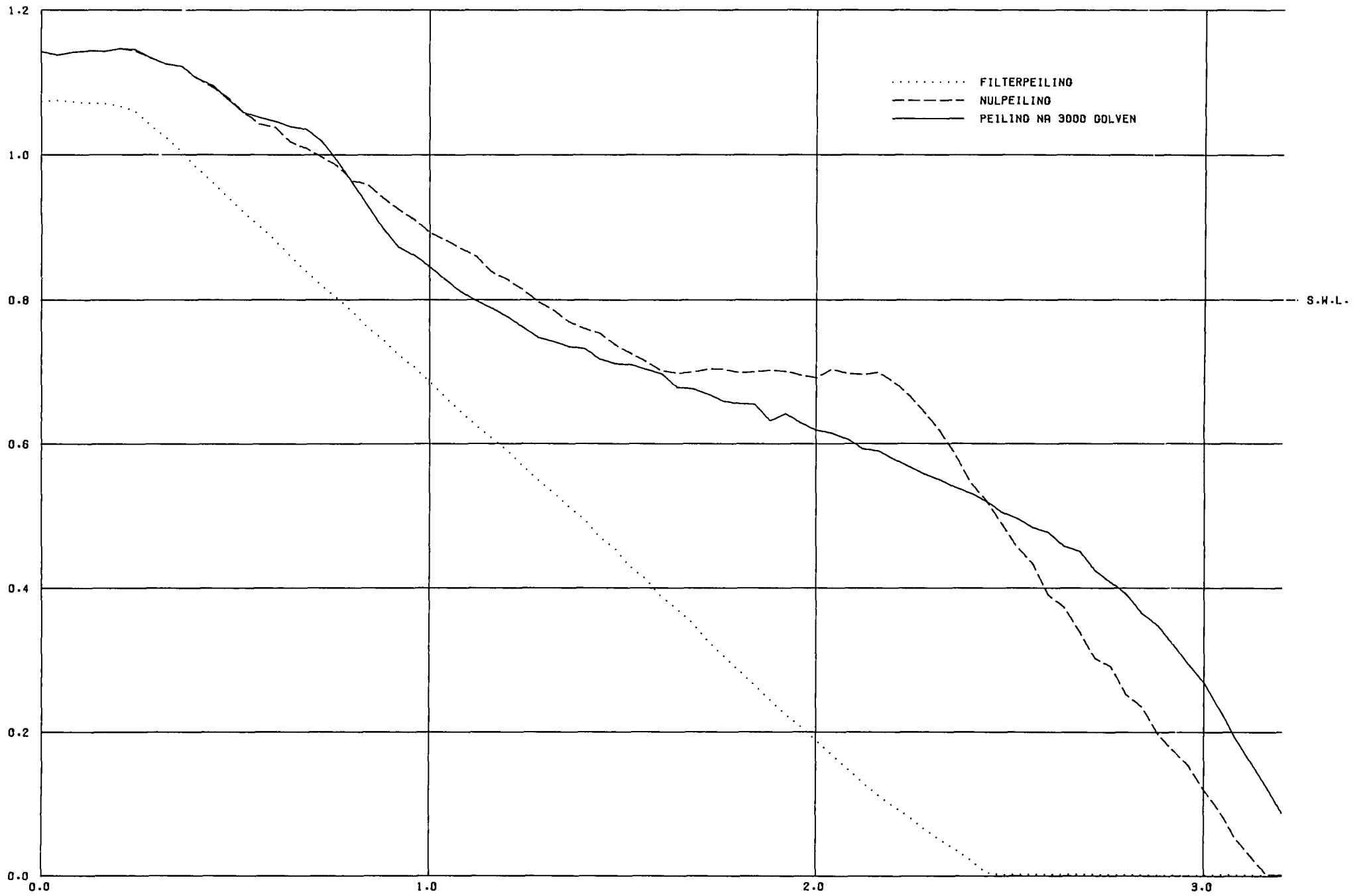


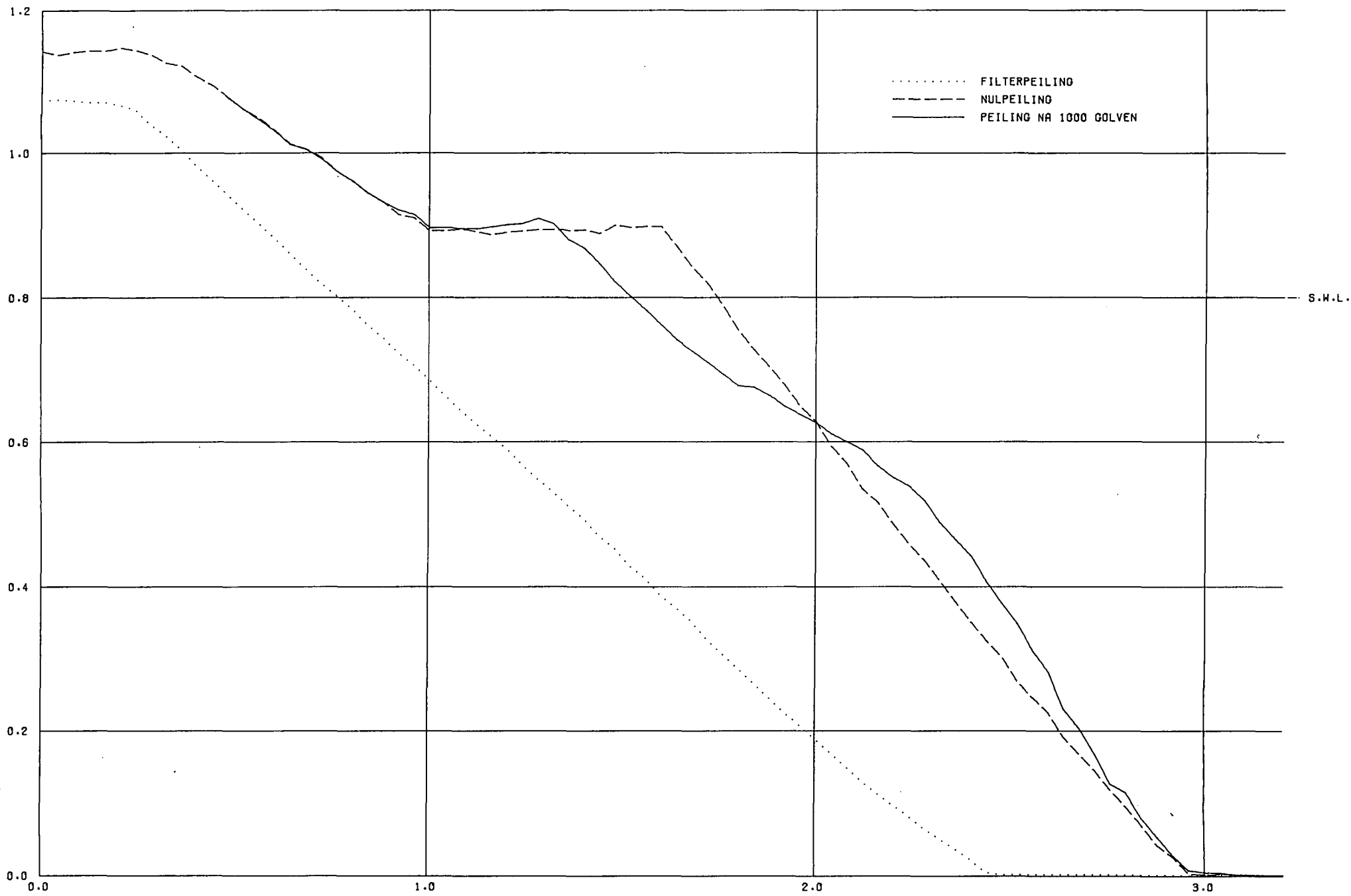


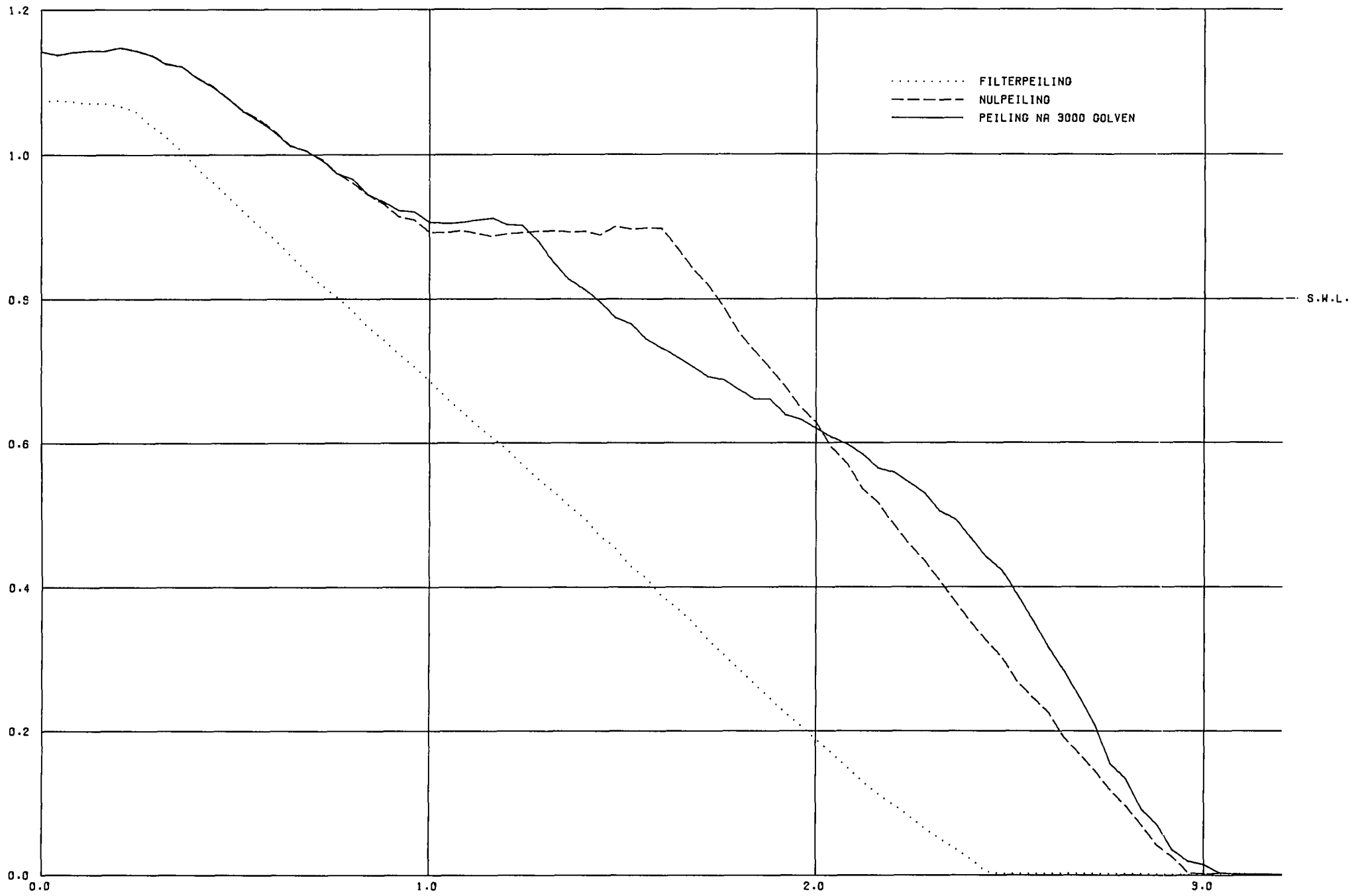


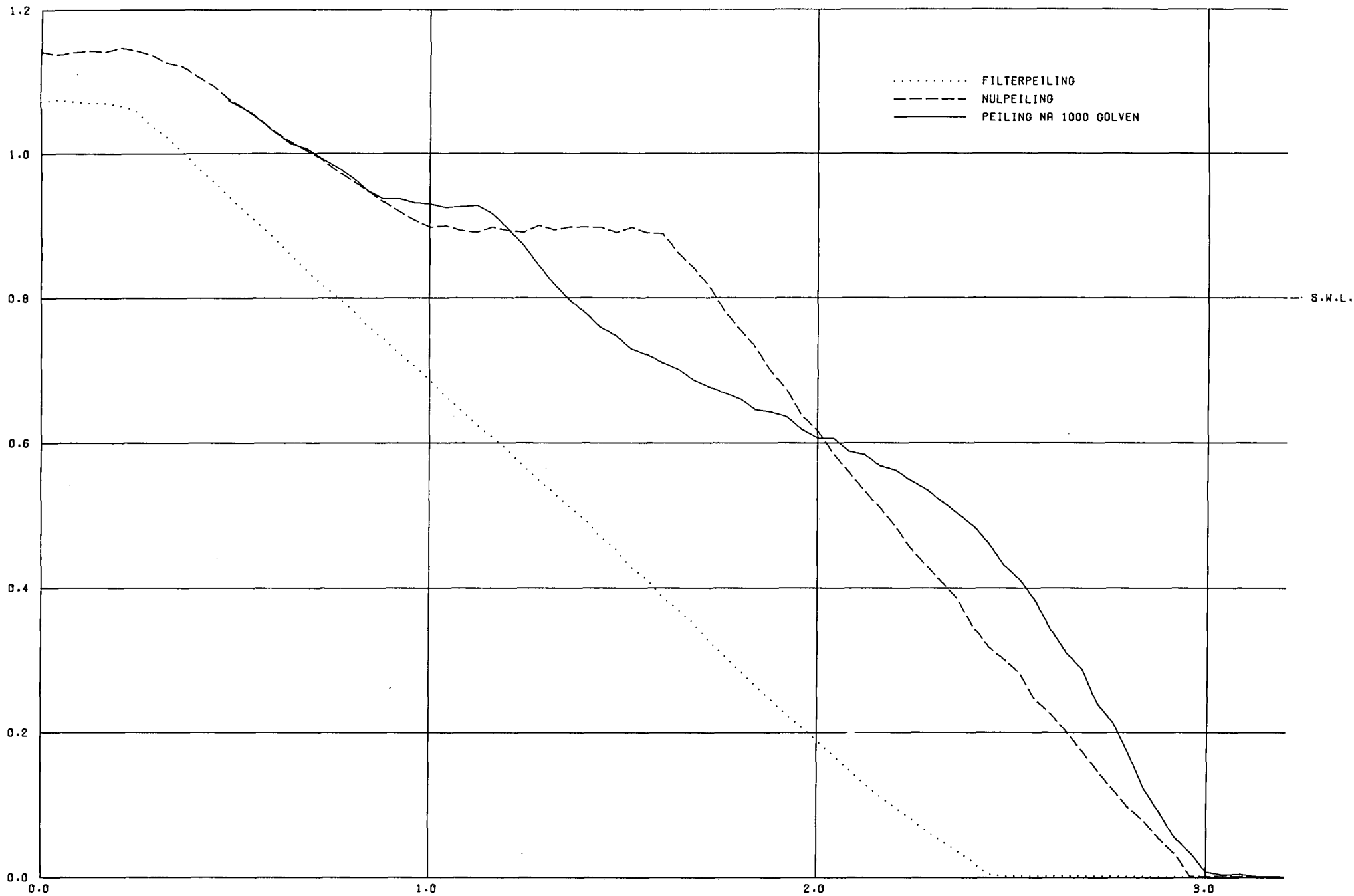


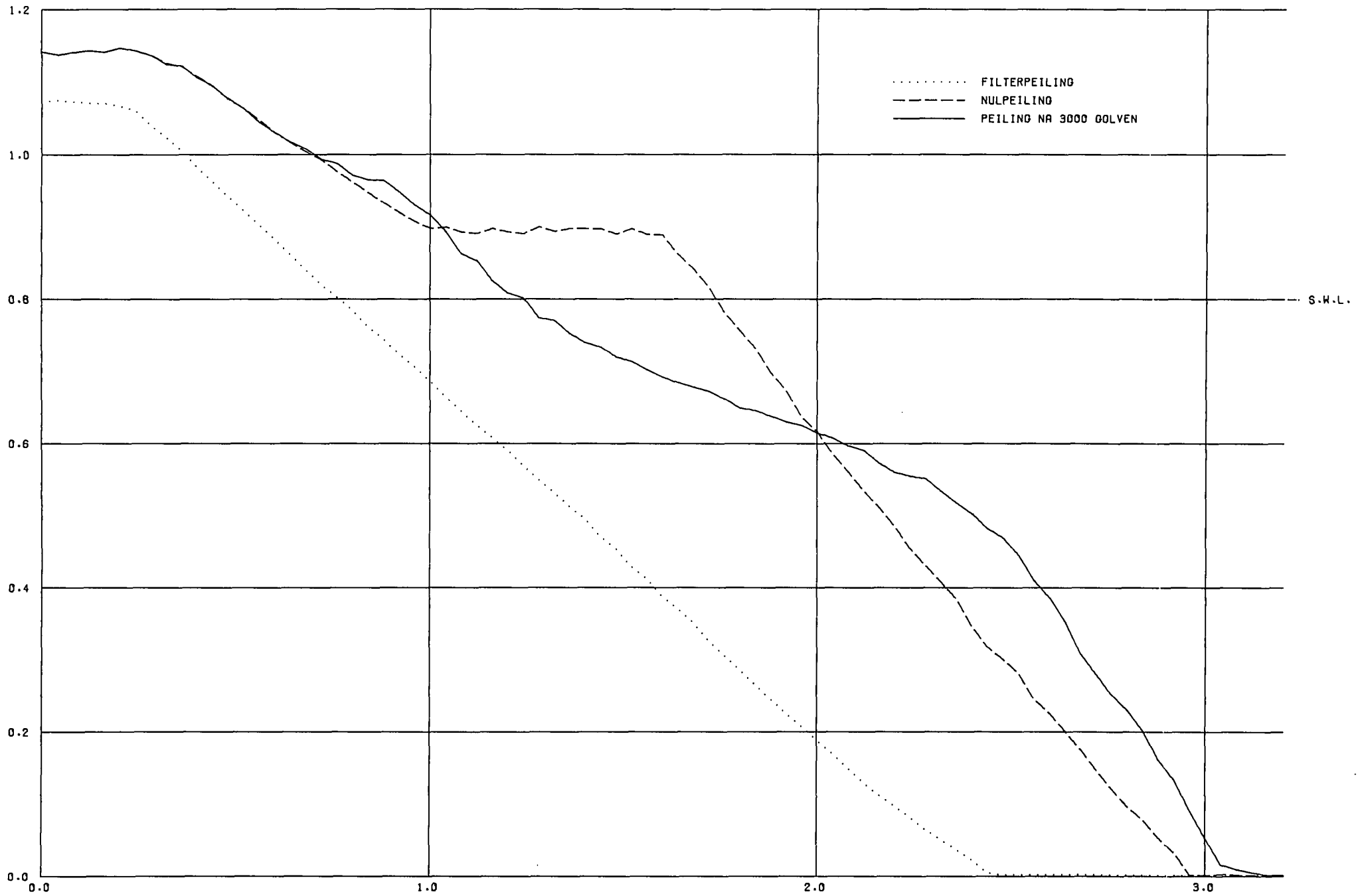




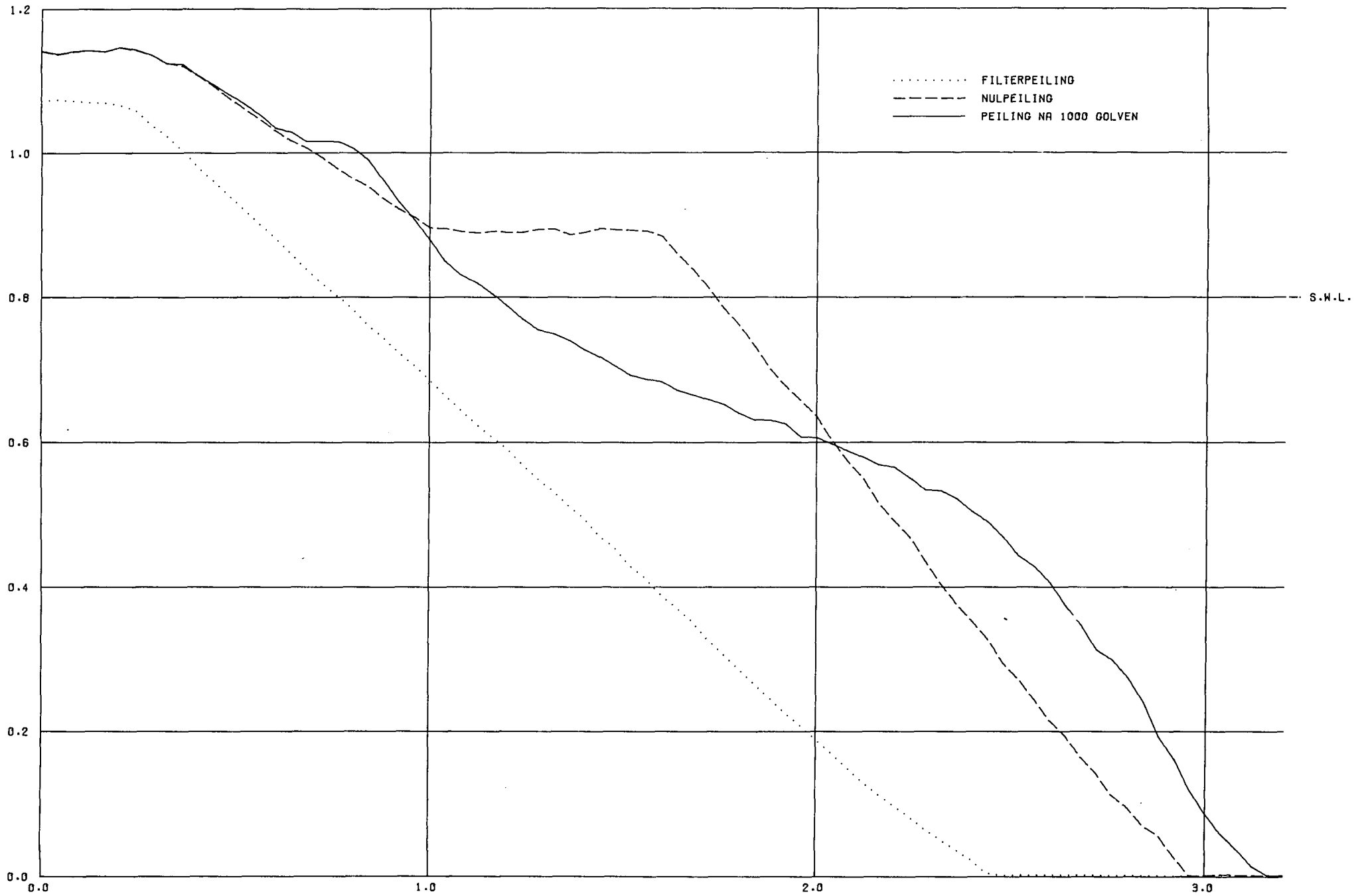


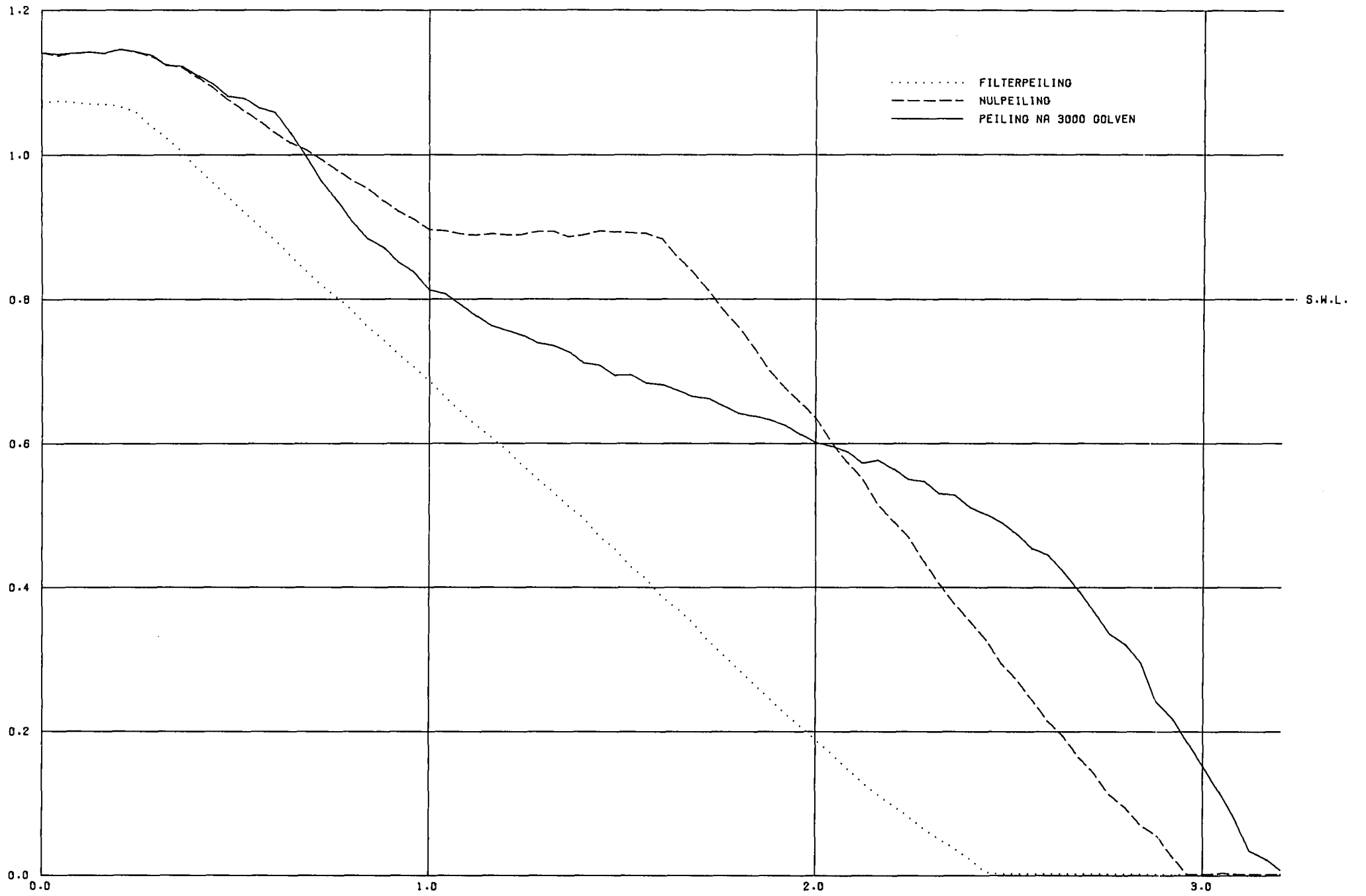


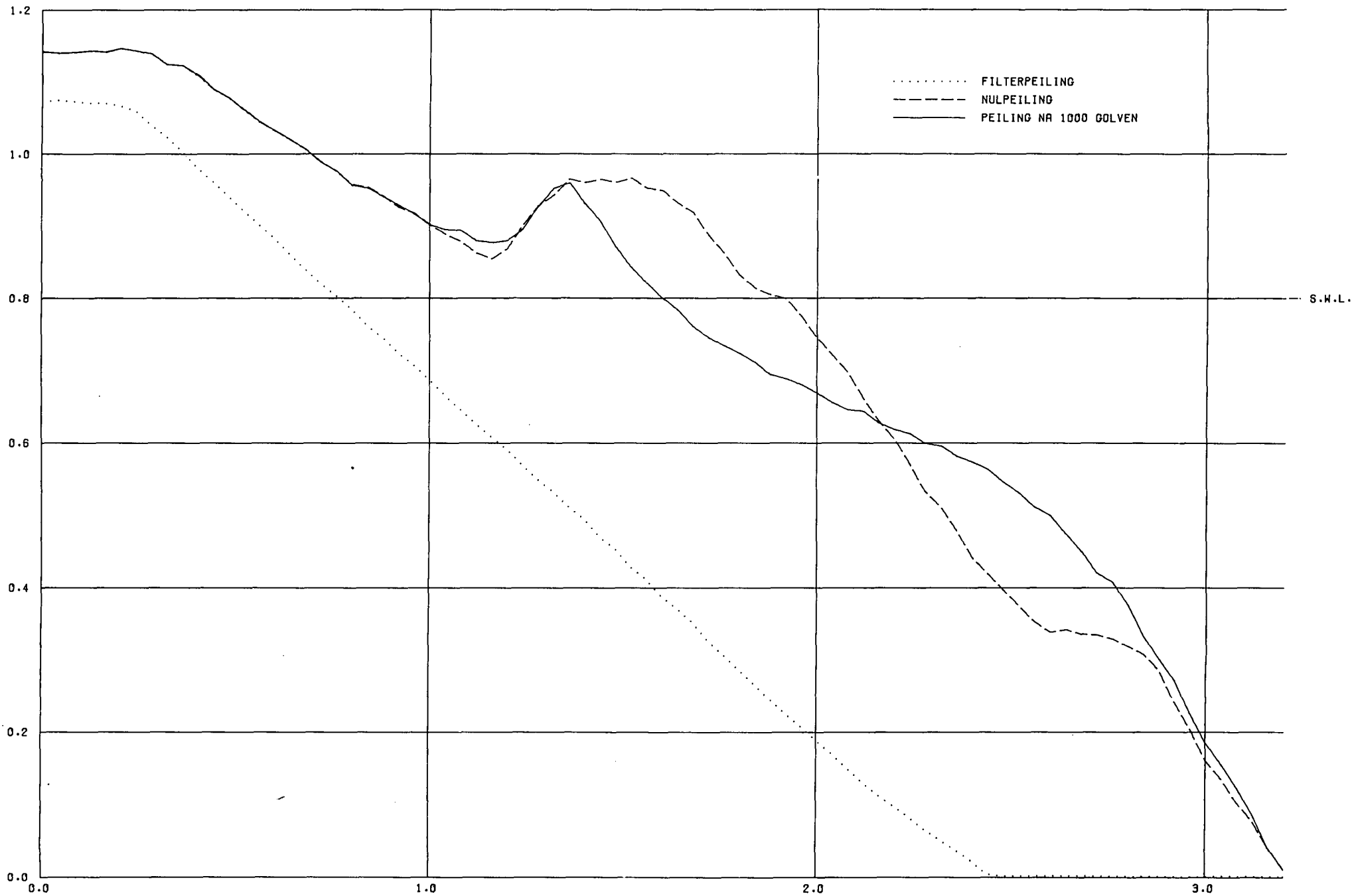


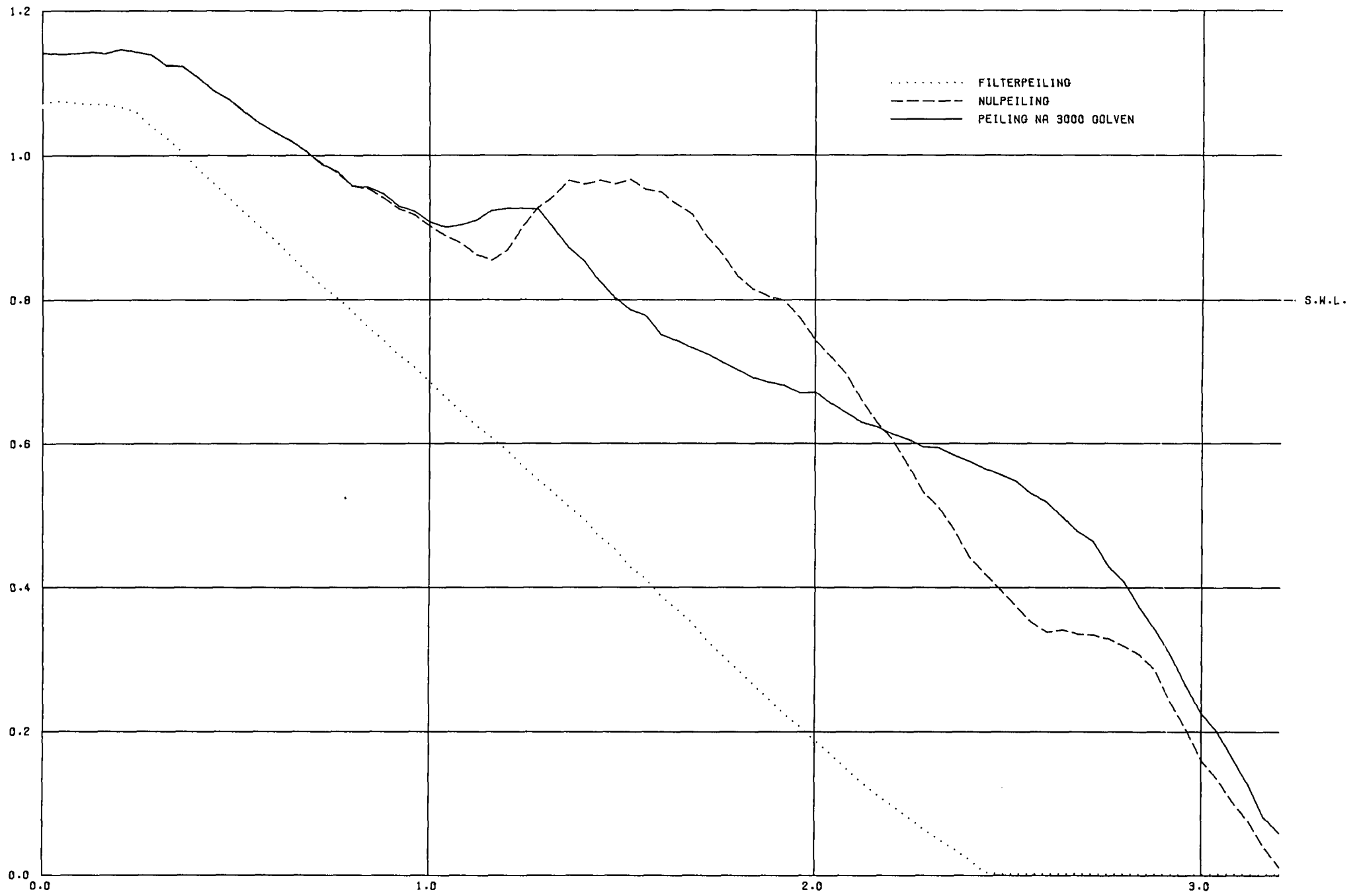


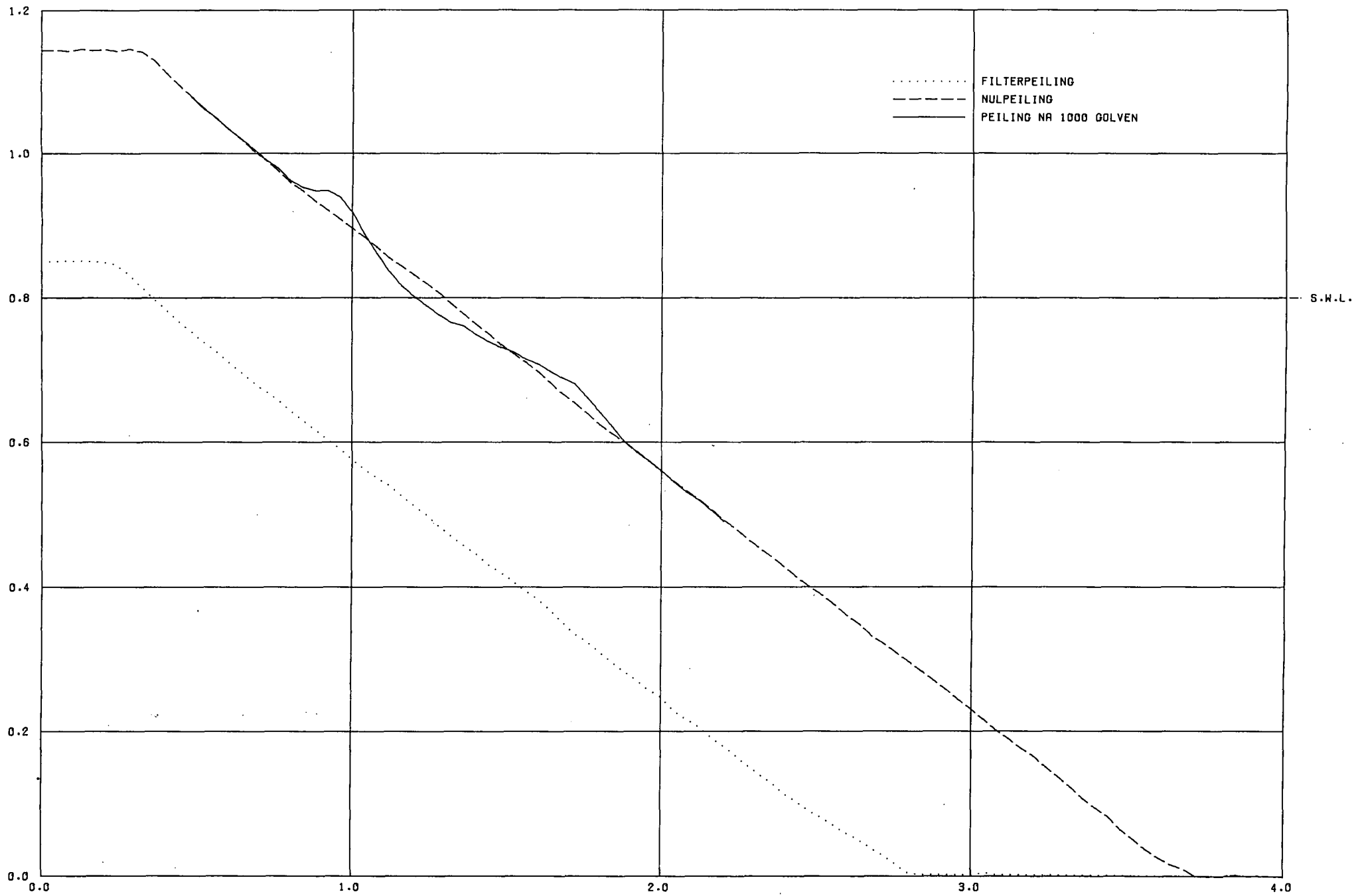


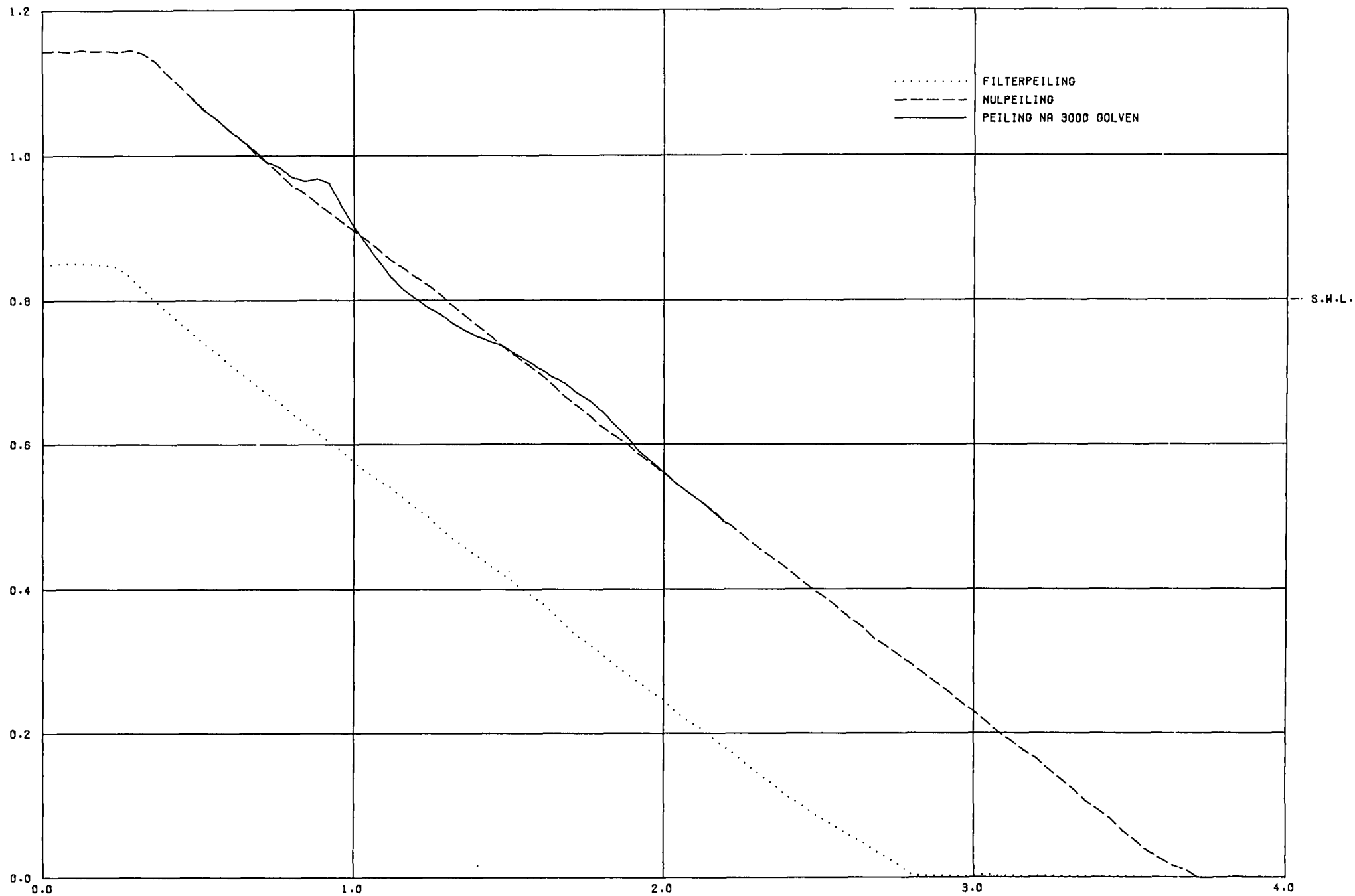


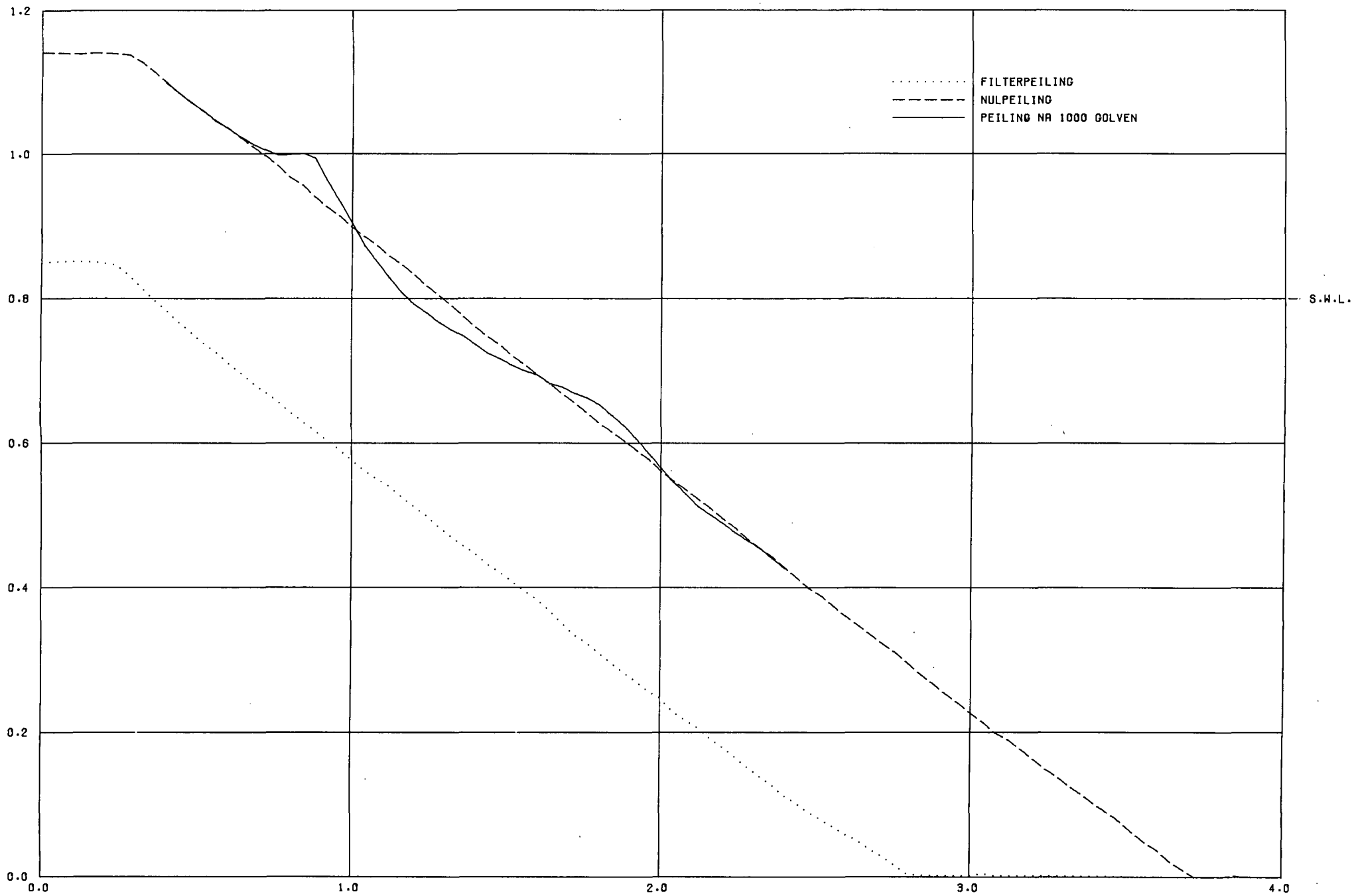


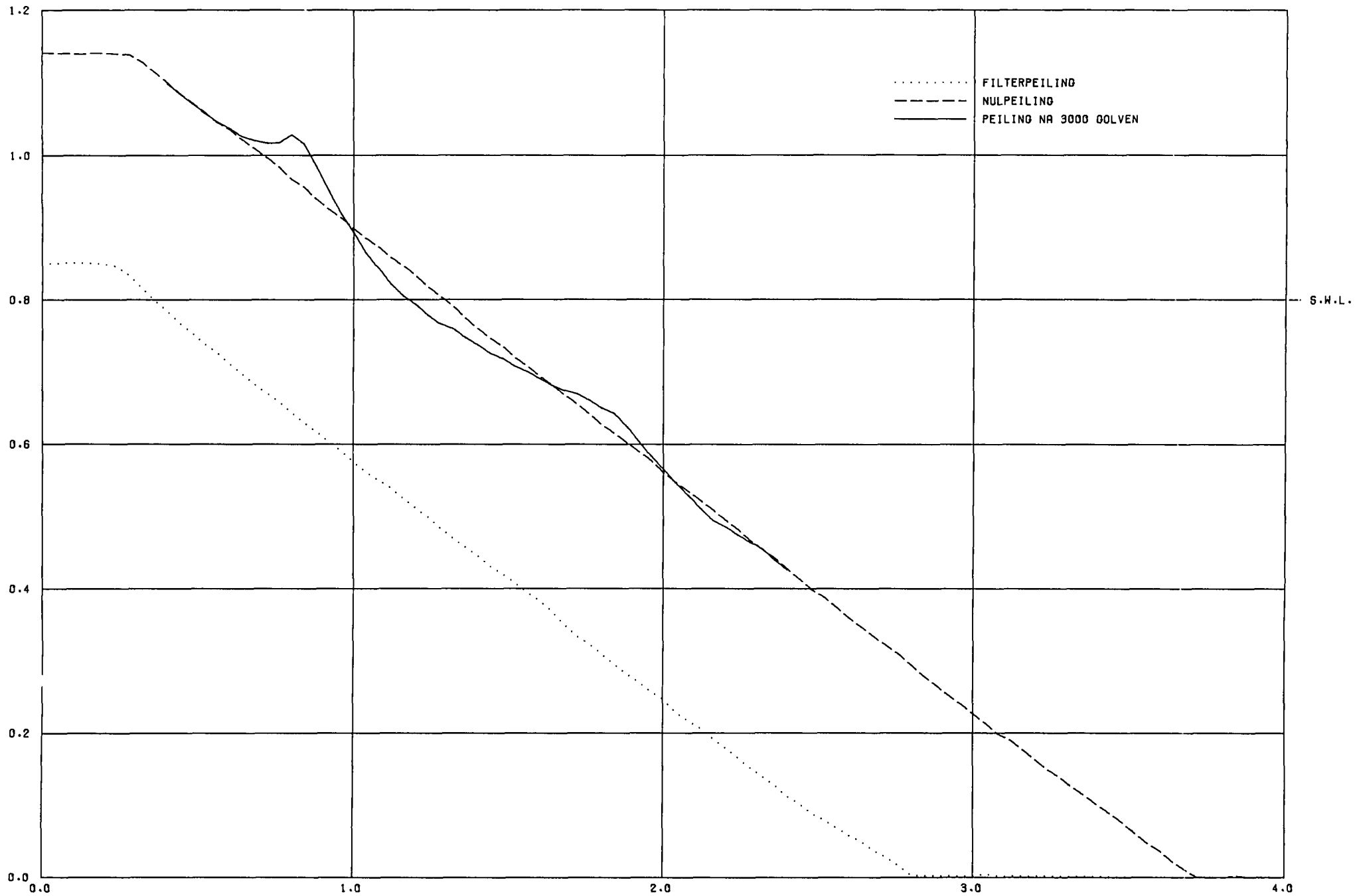




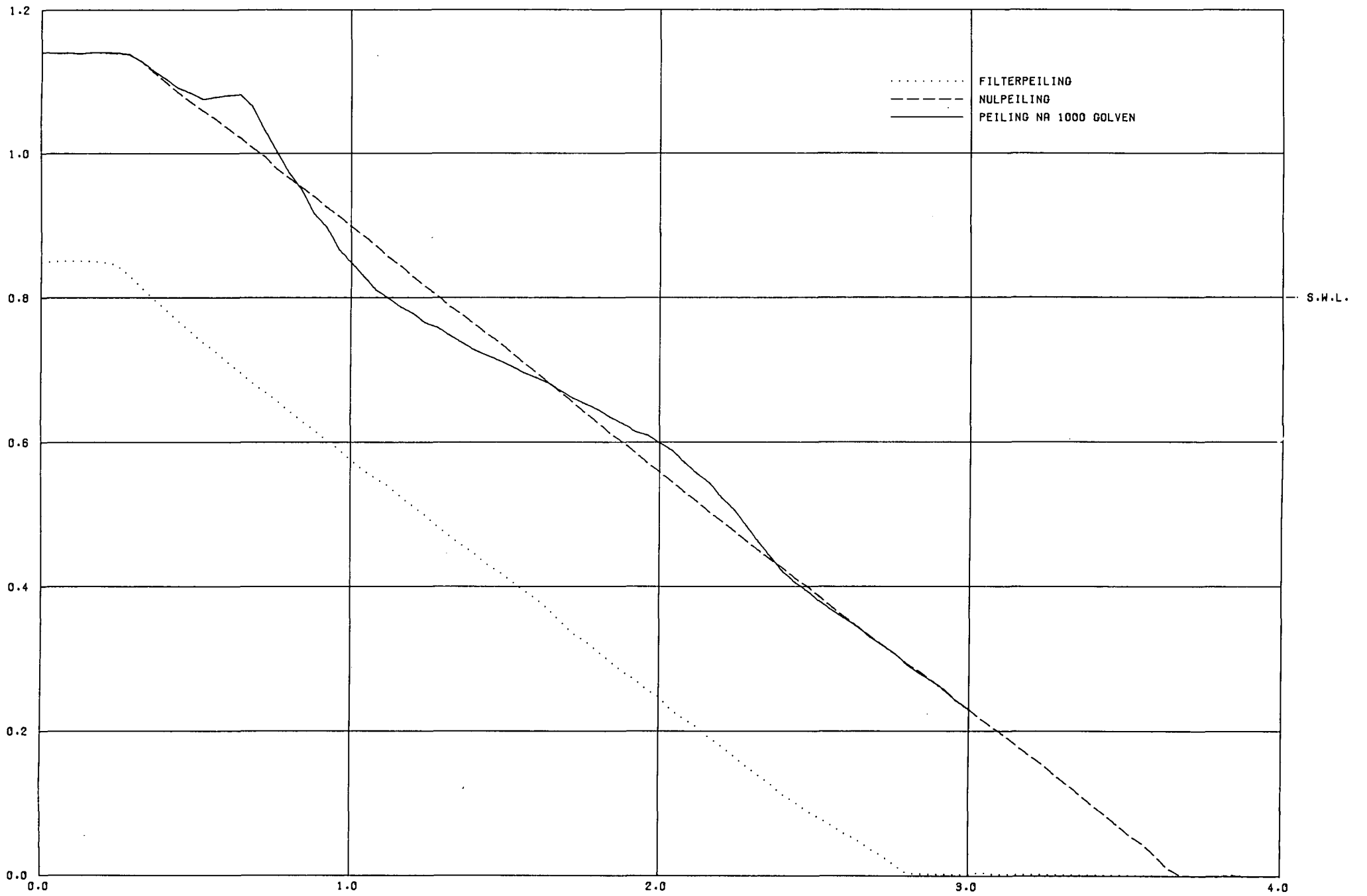


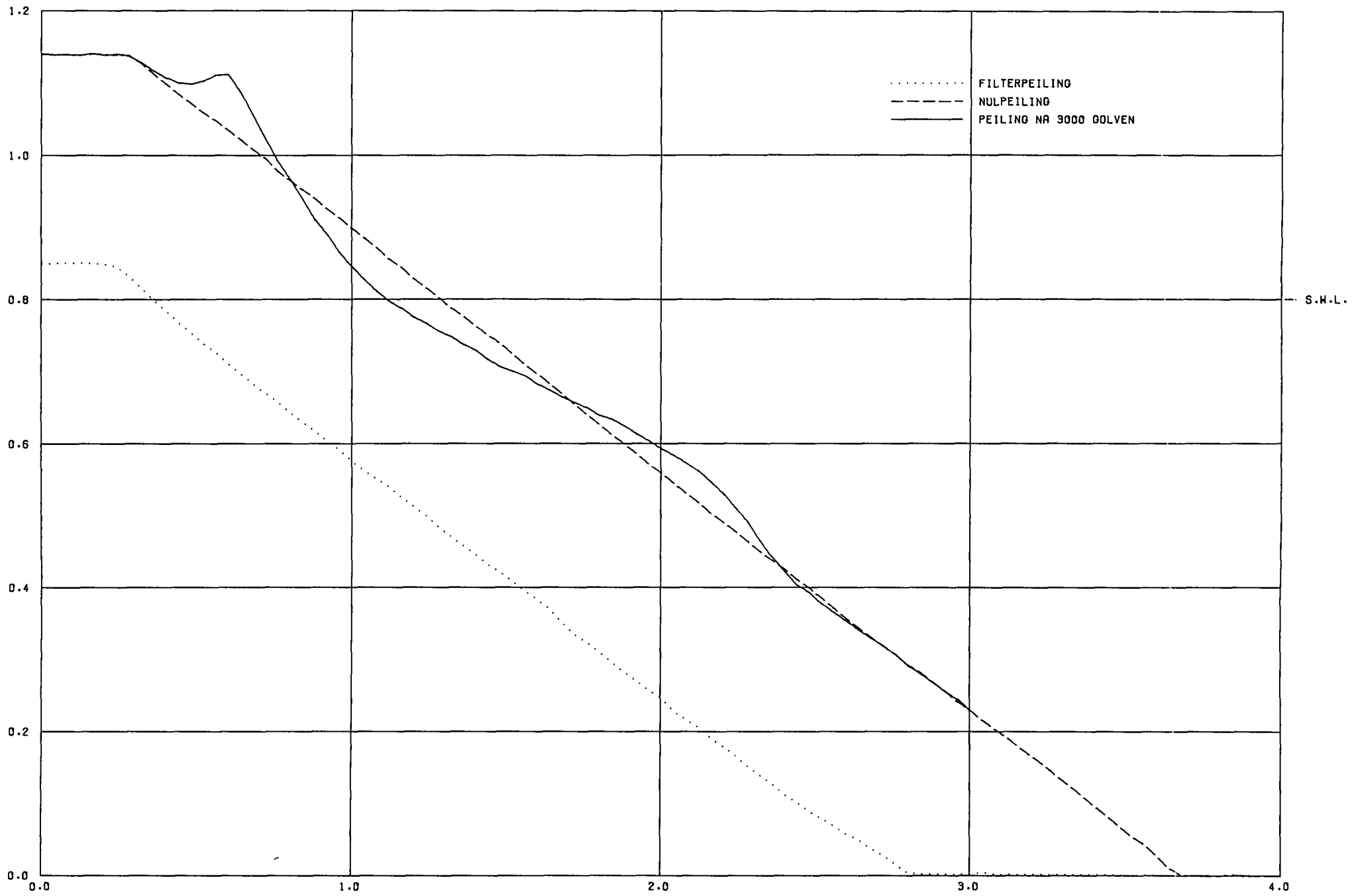


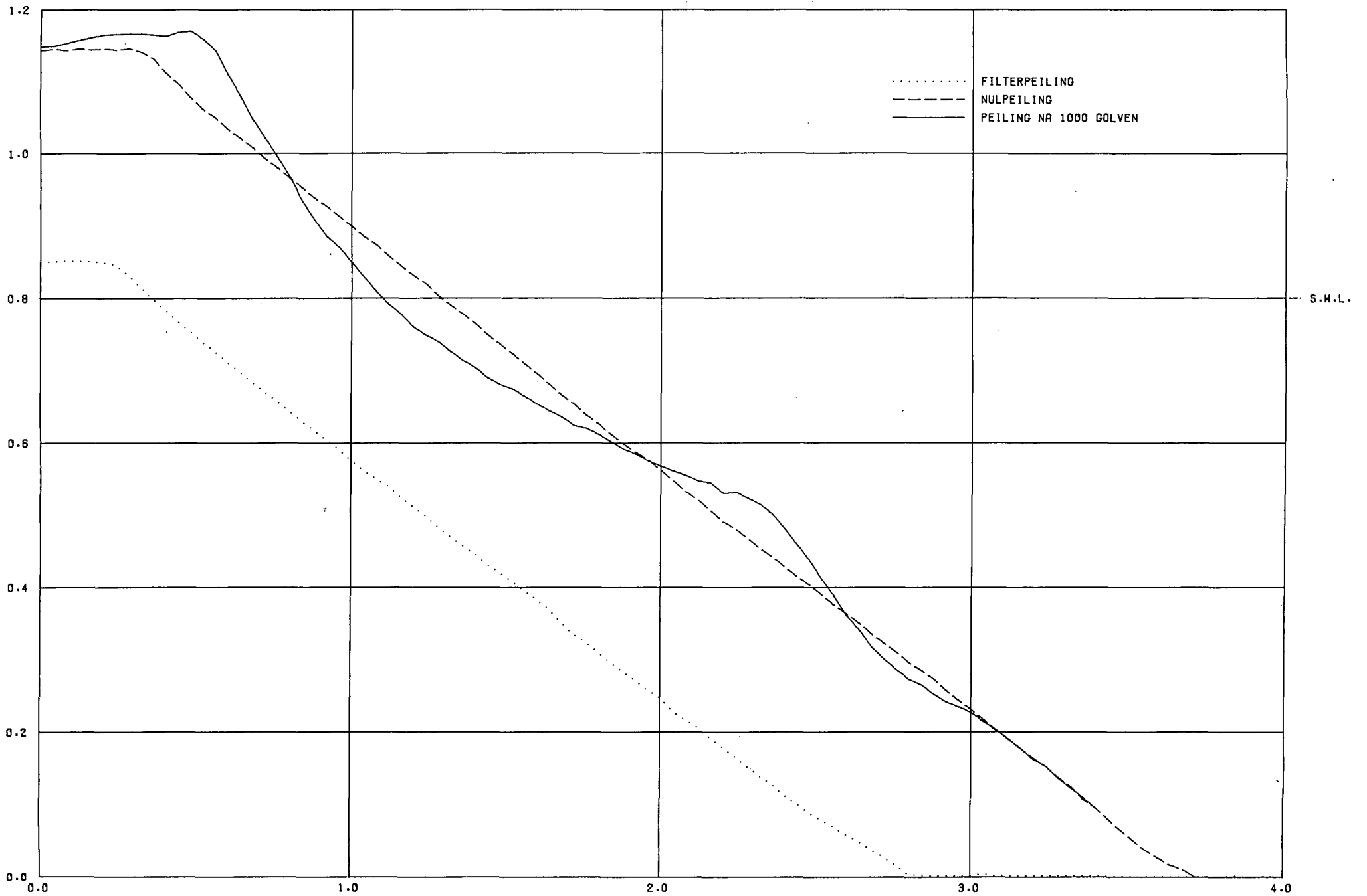


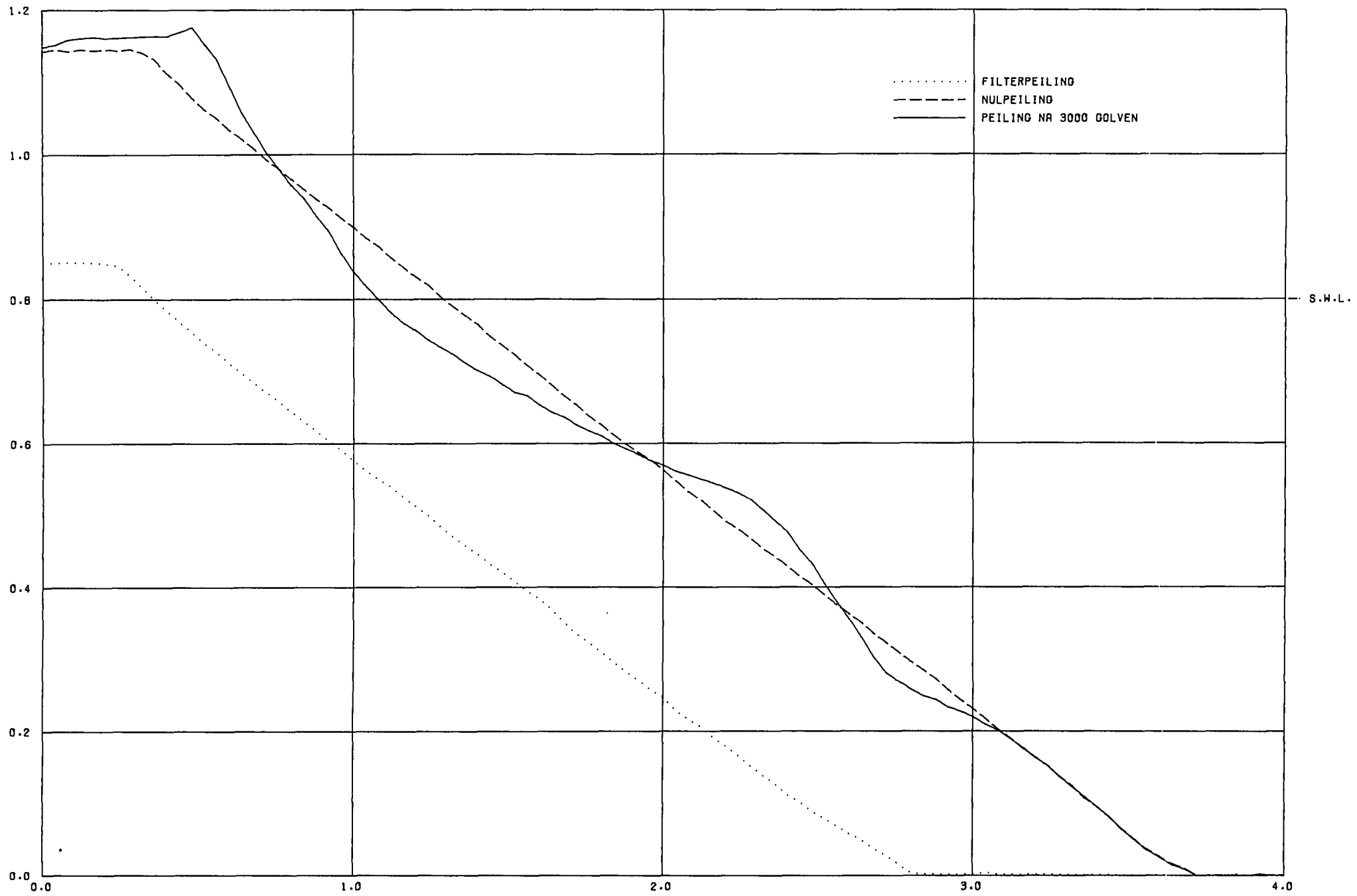






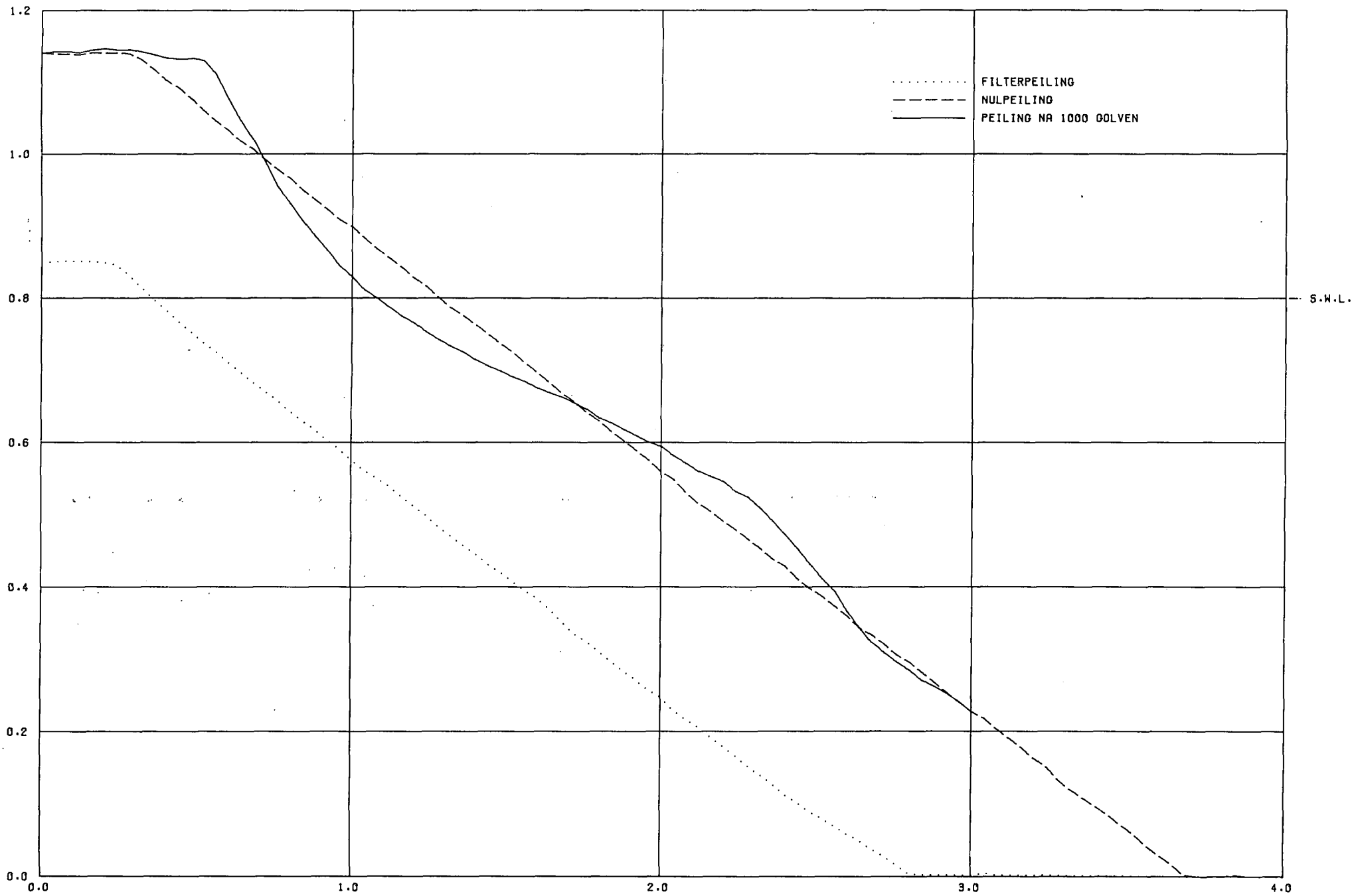


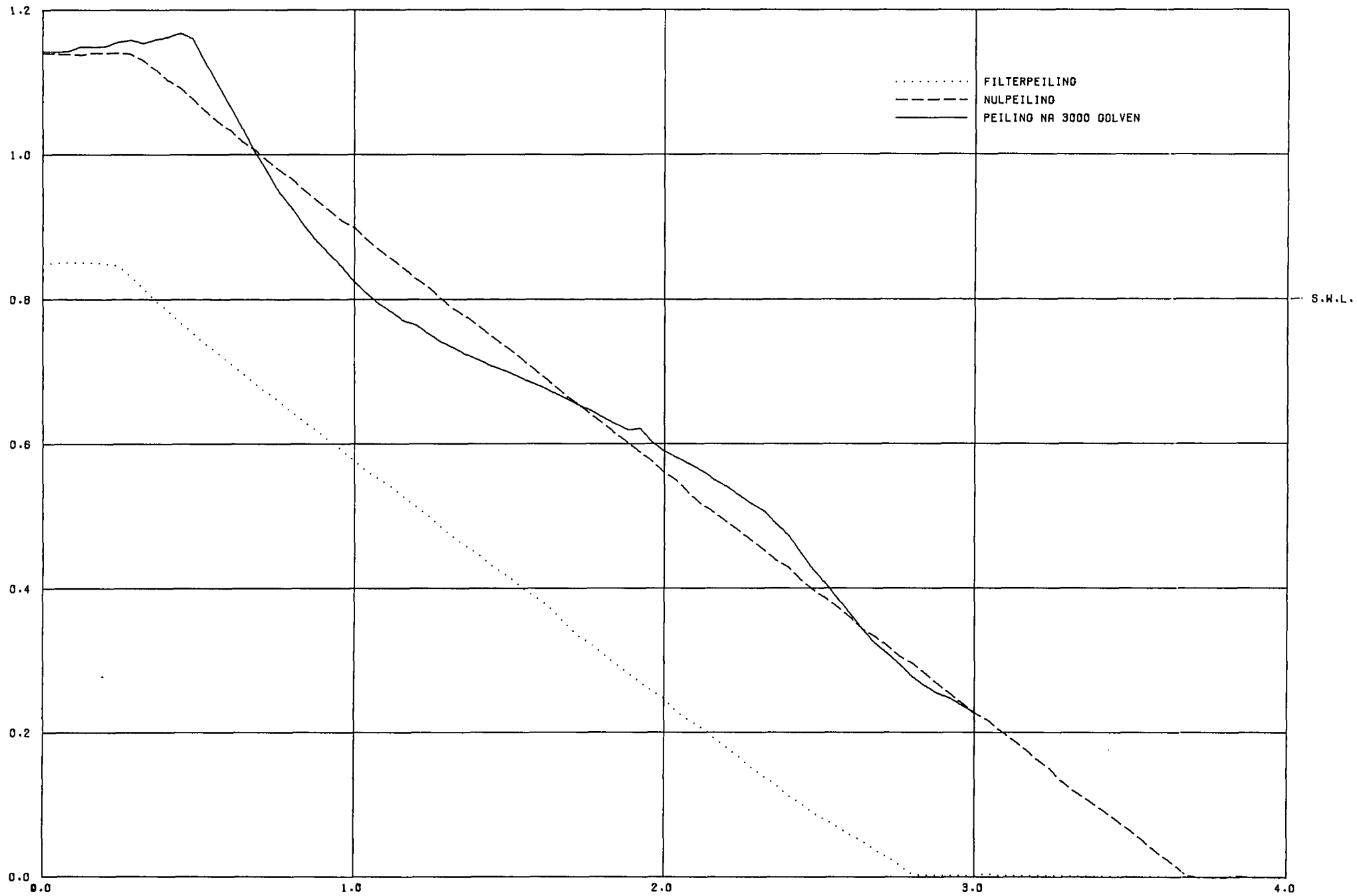


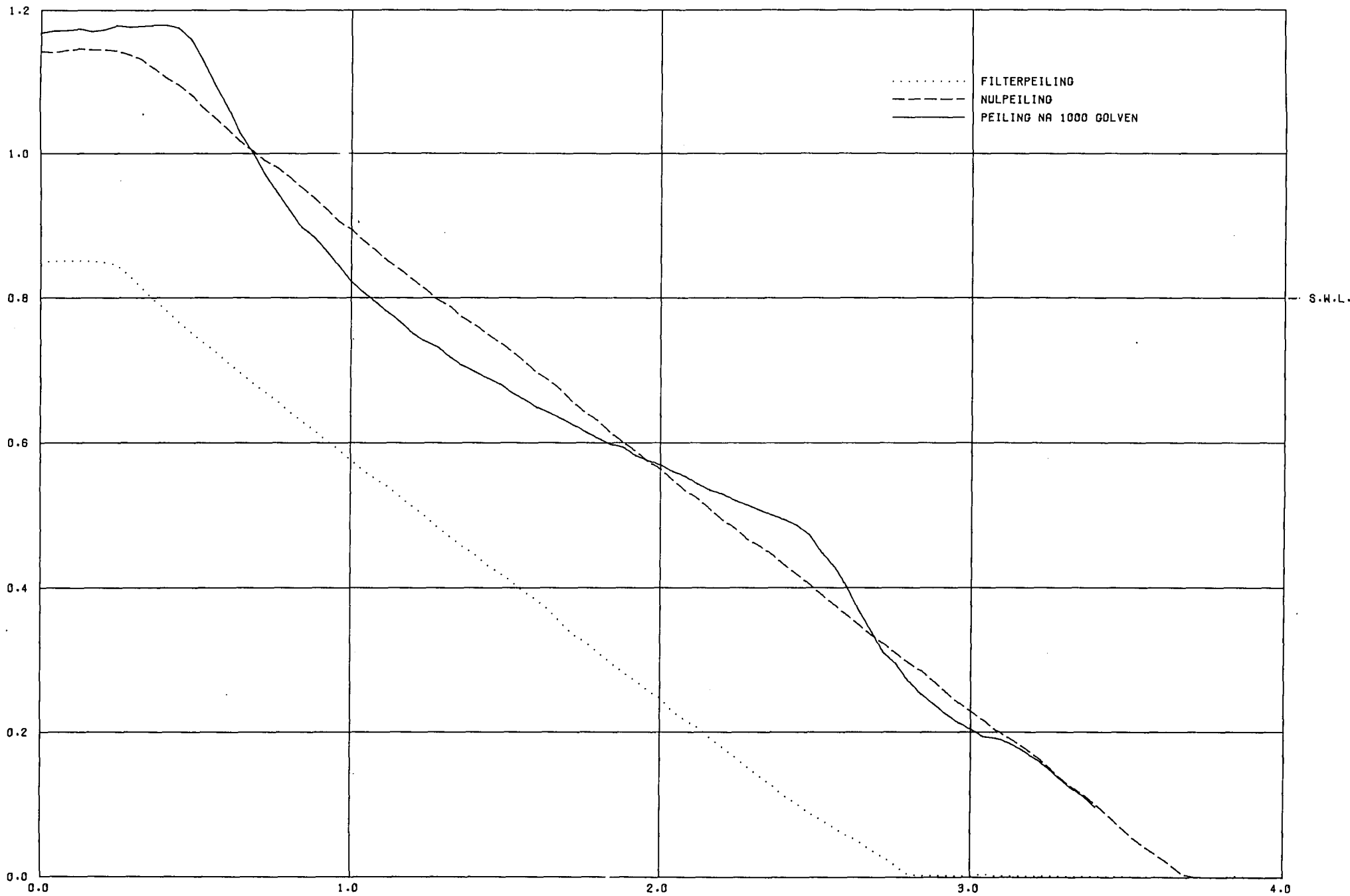


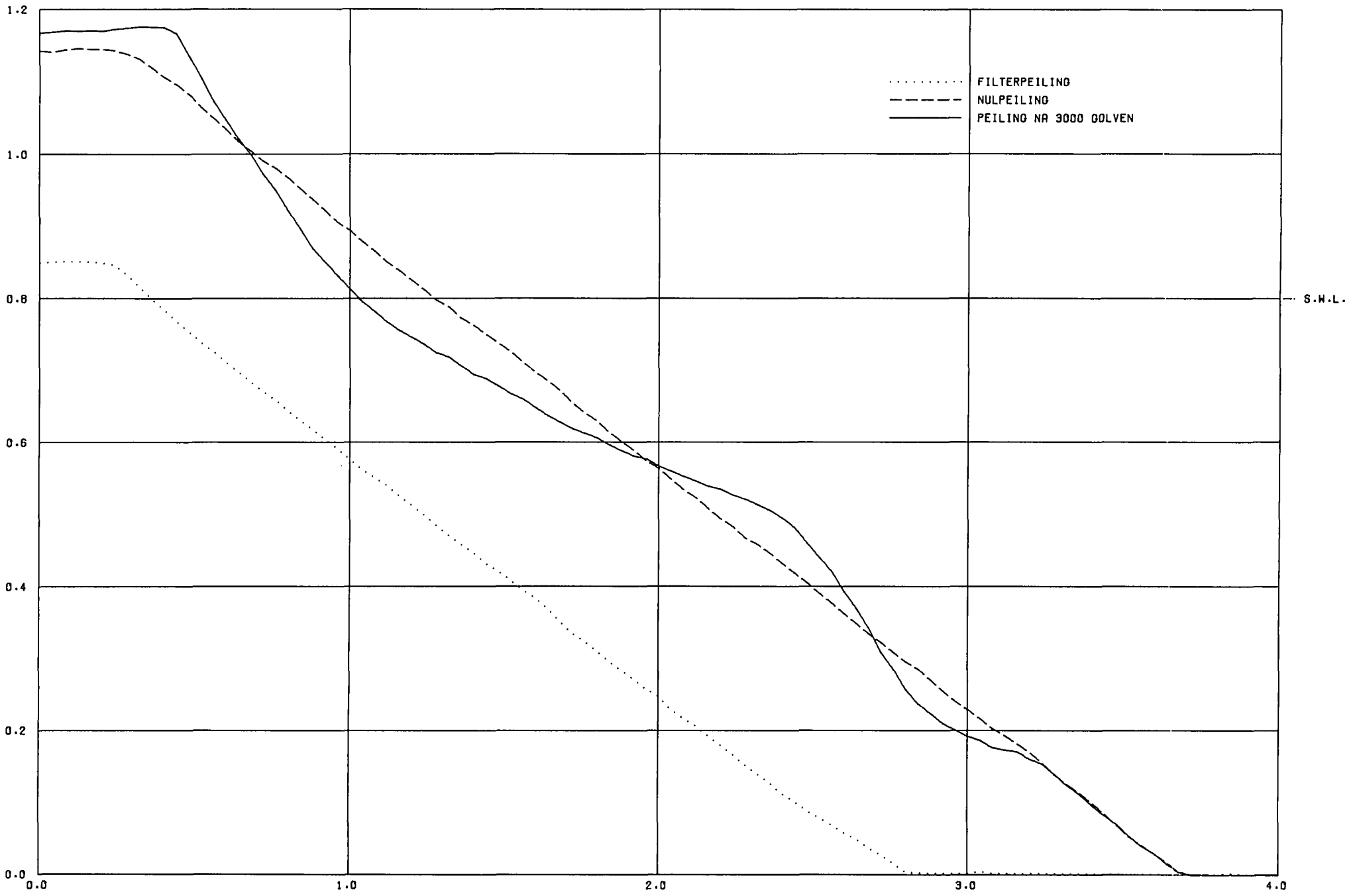
GEMIDDELDE PROFIELEN

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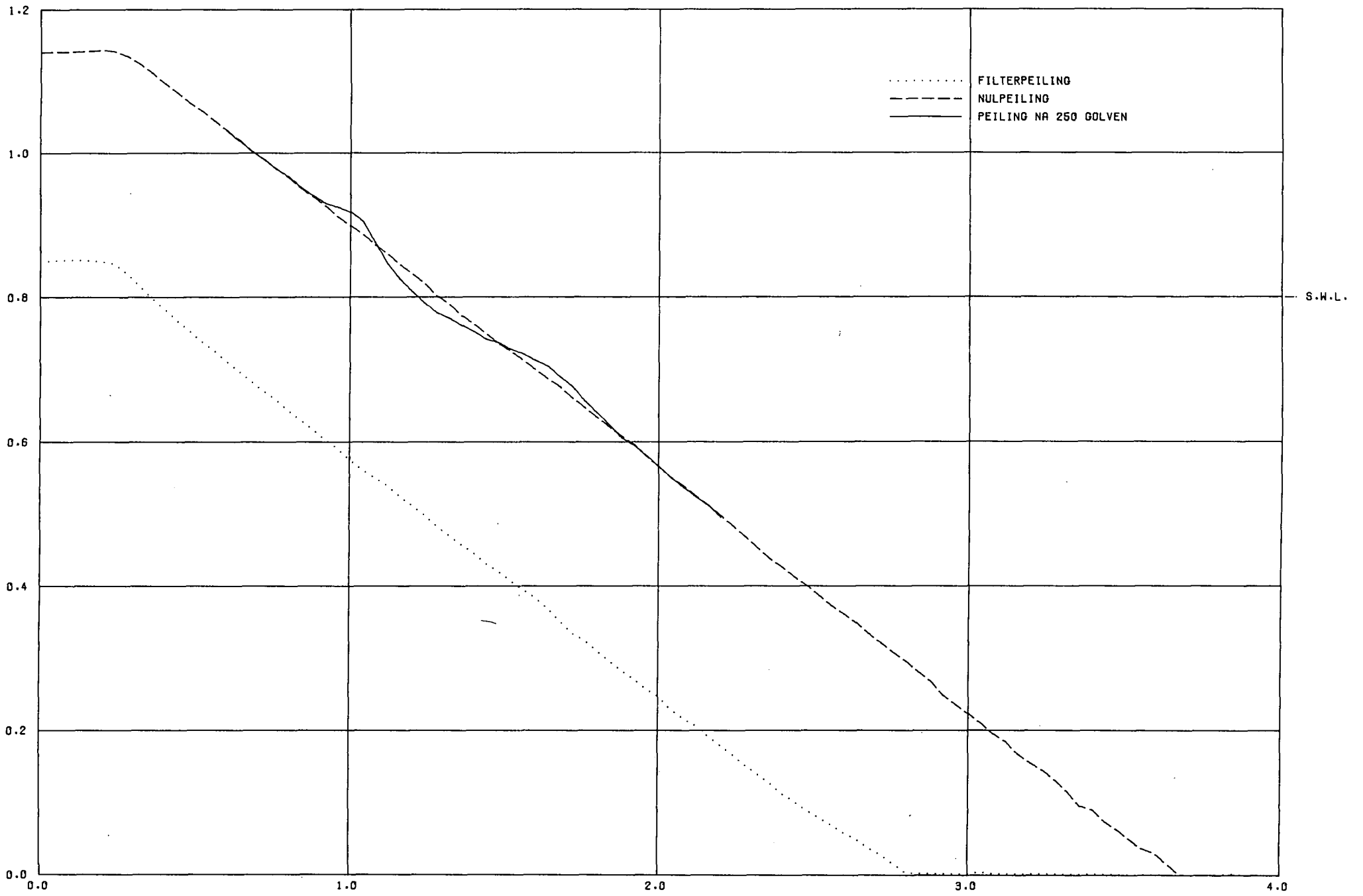


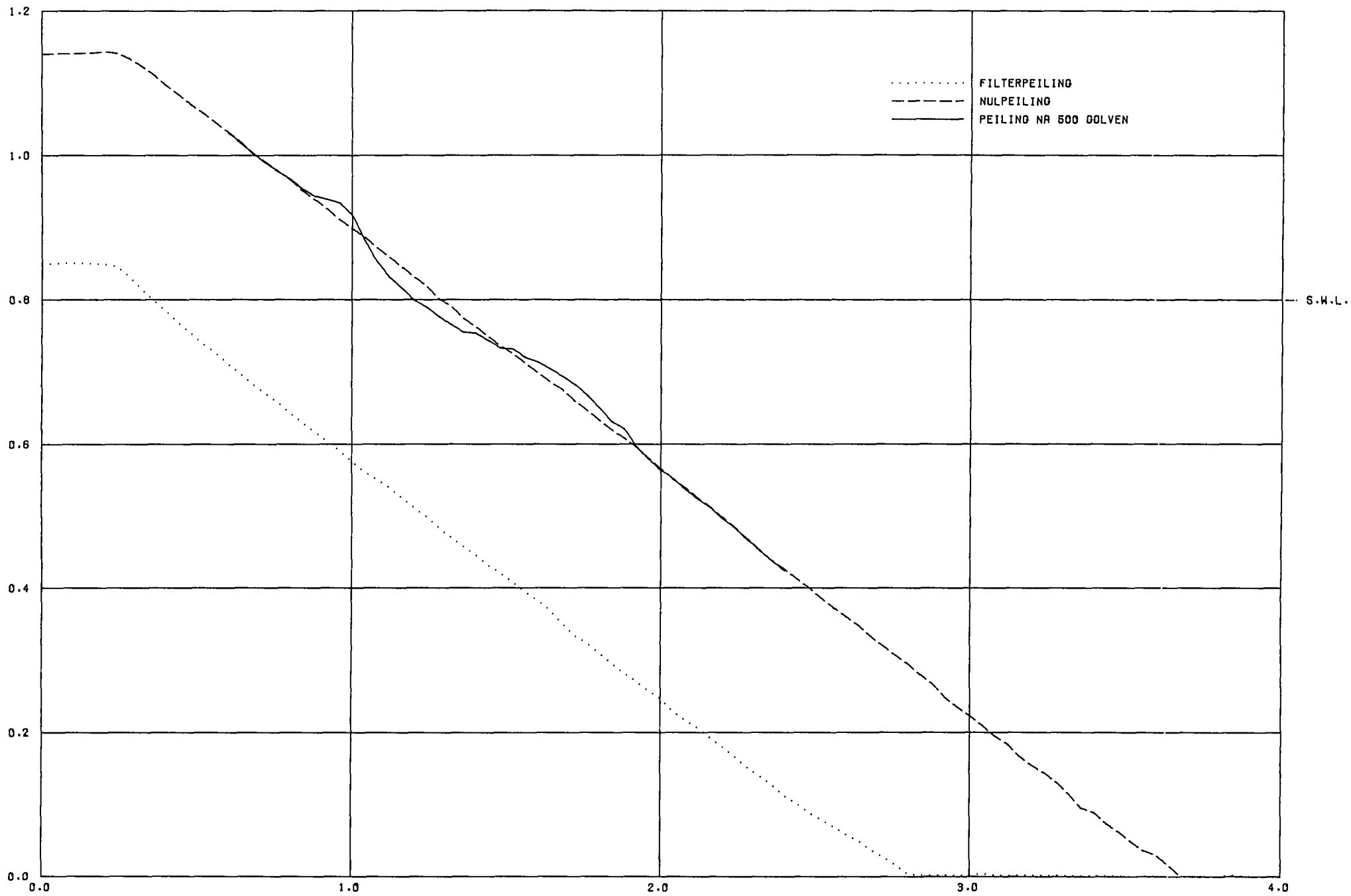


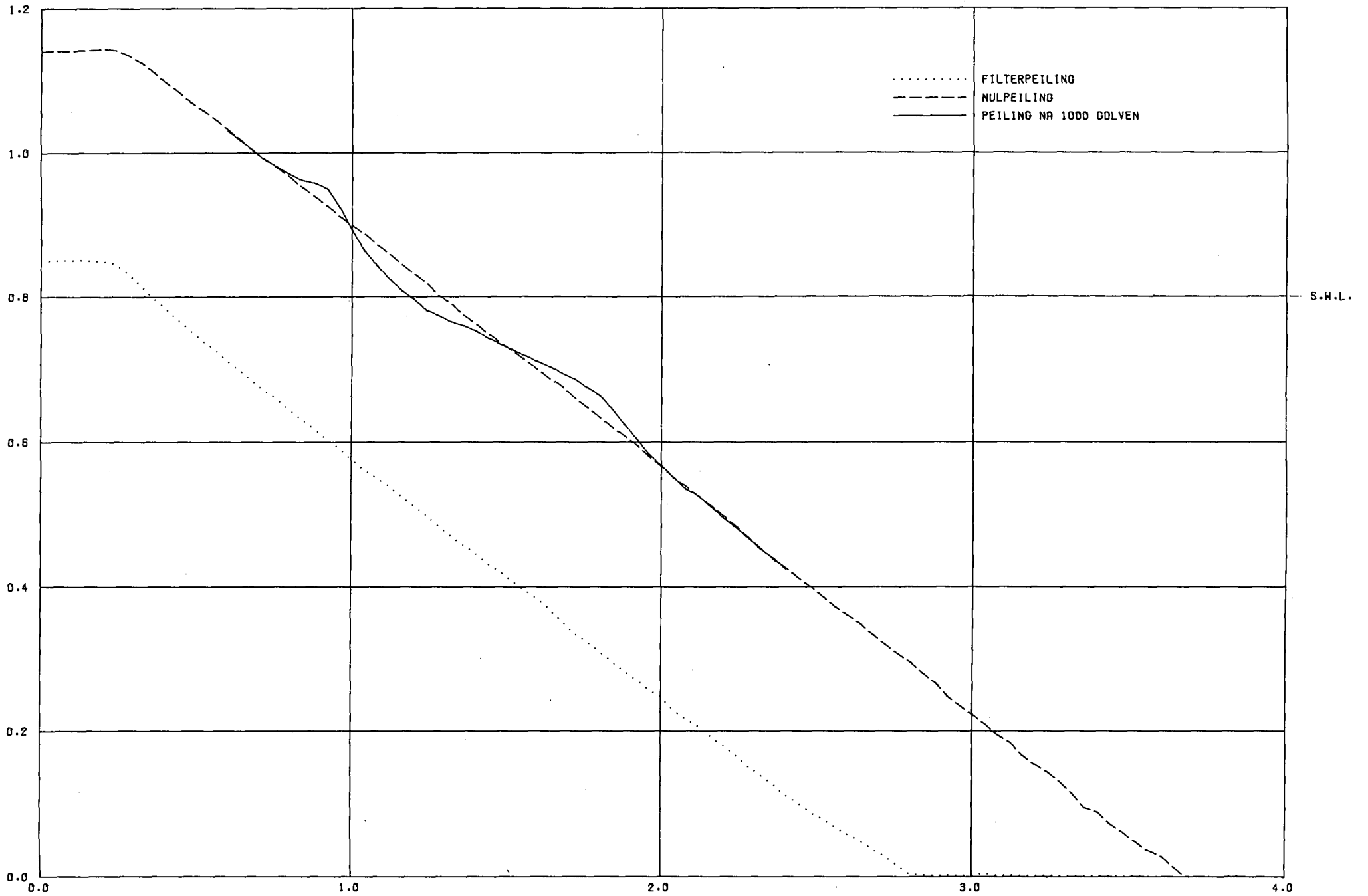


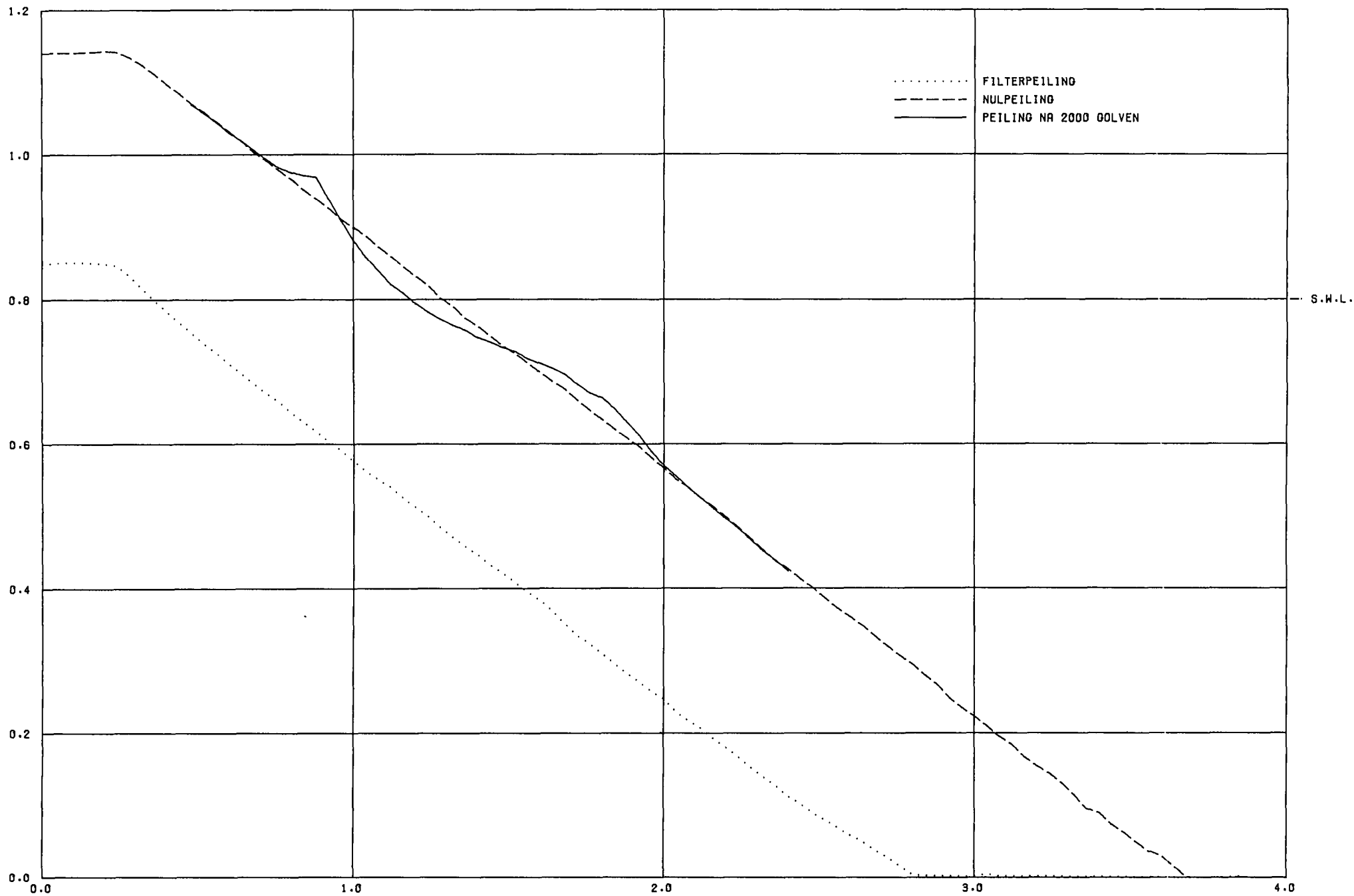


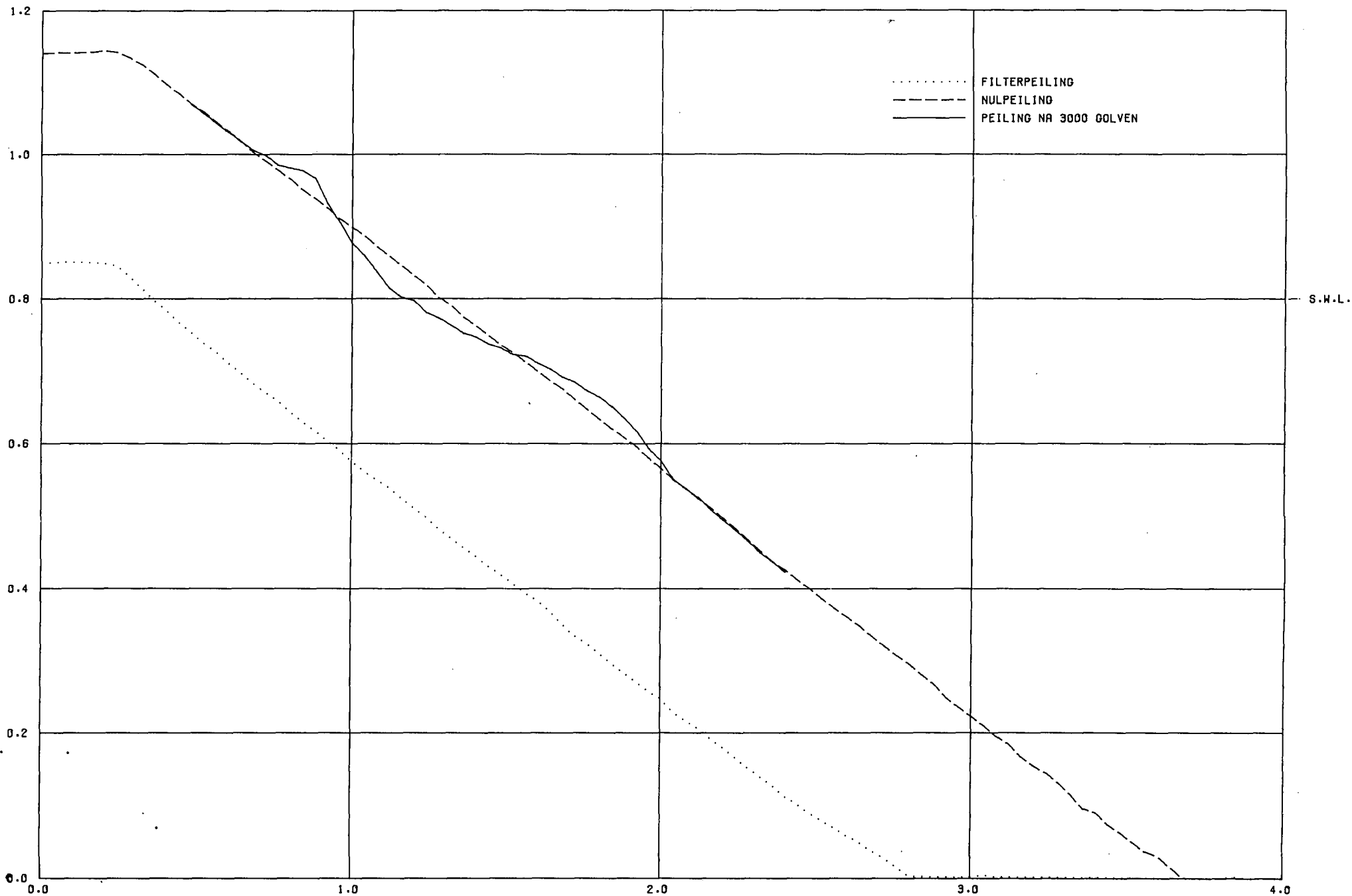


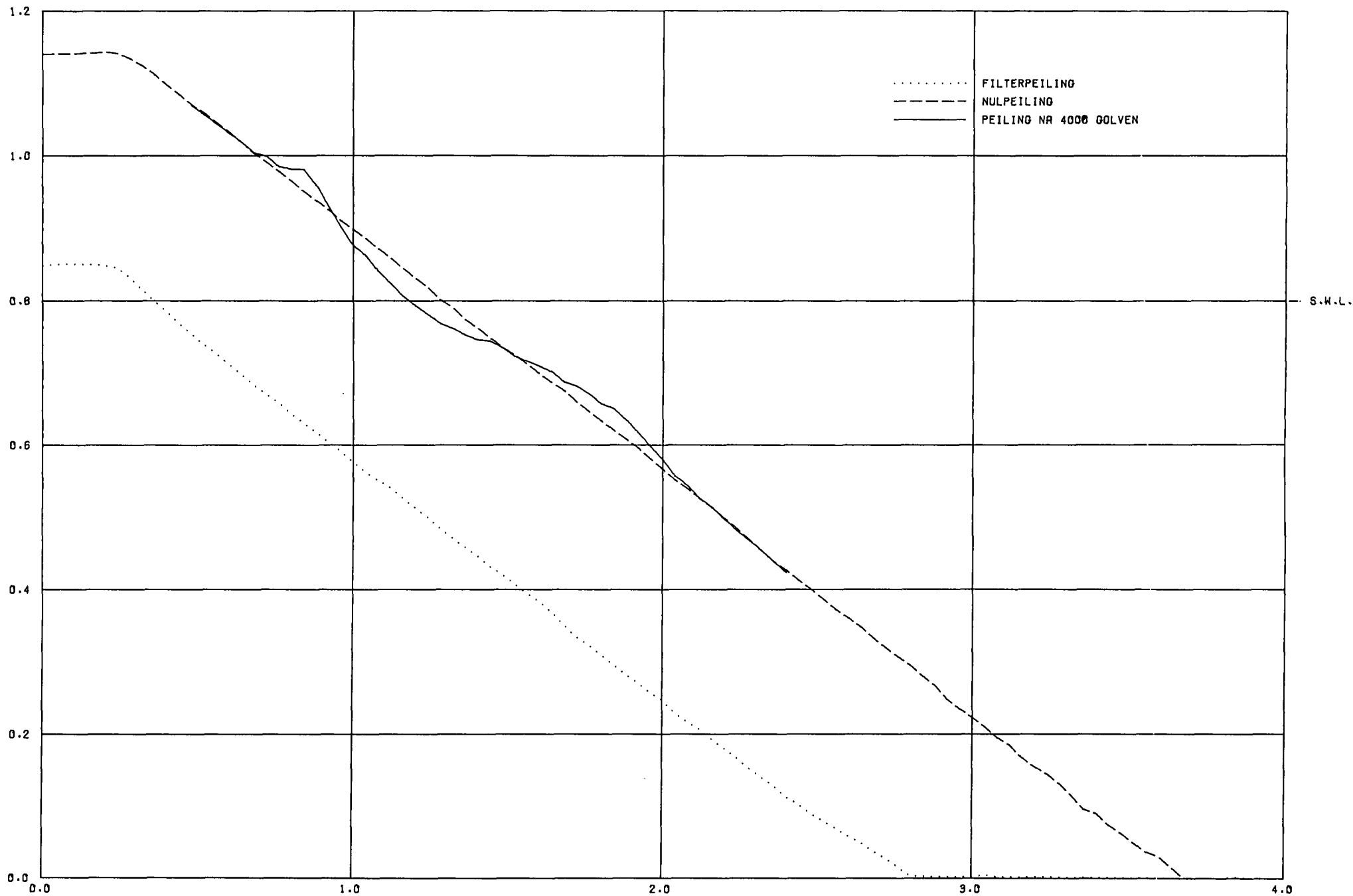


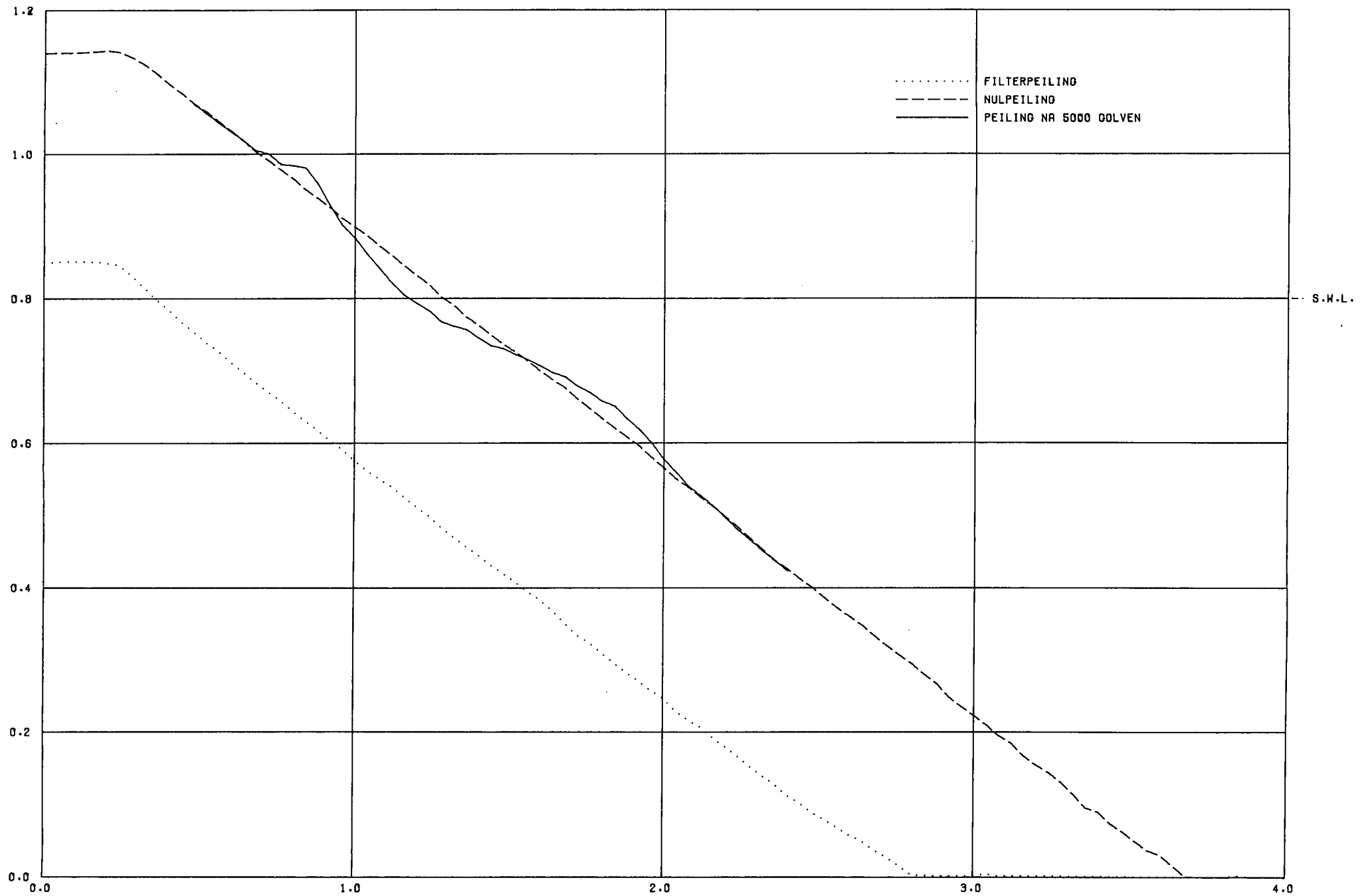


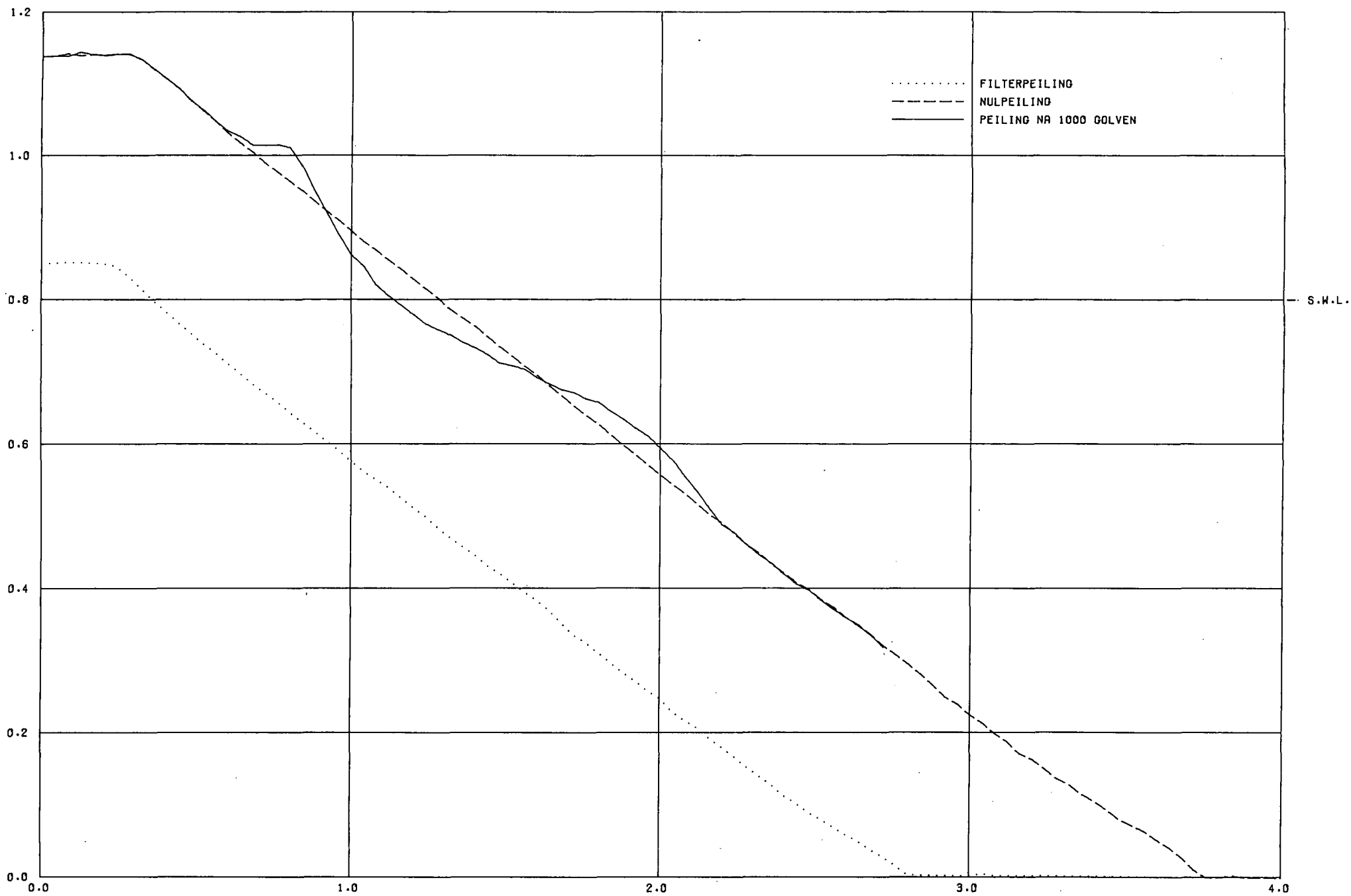




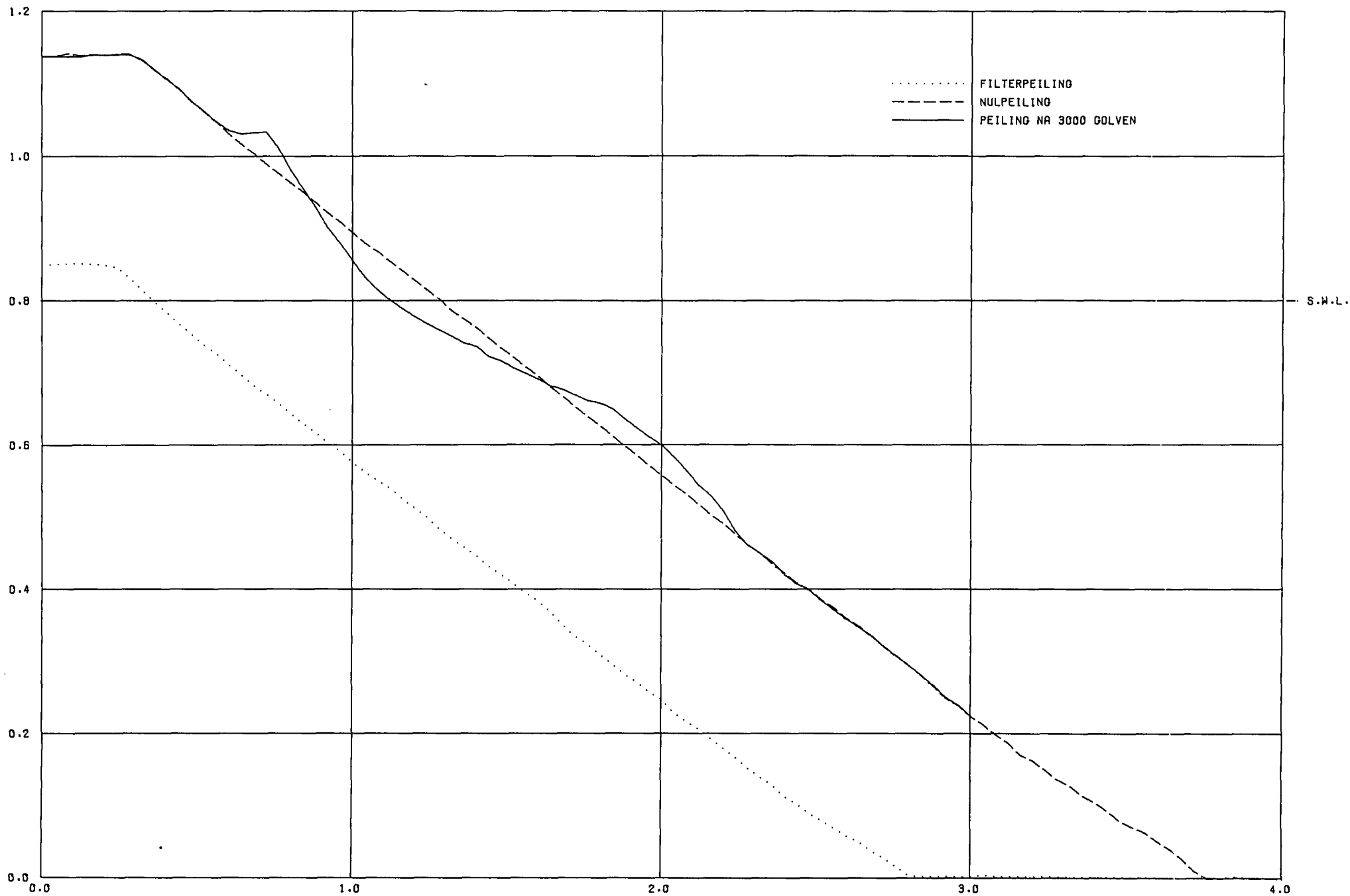


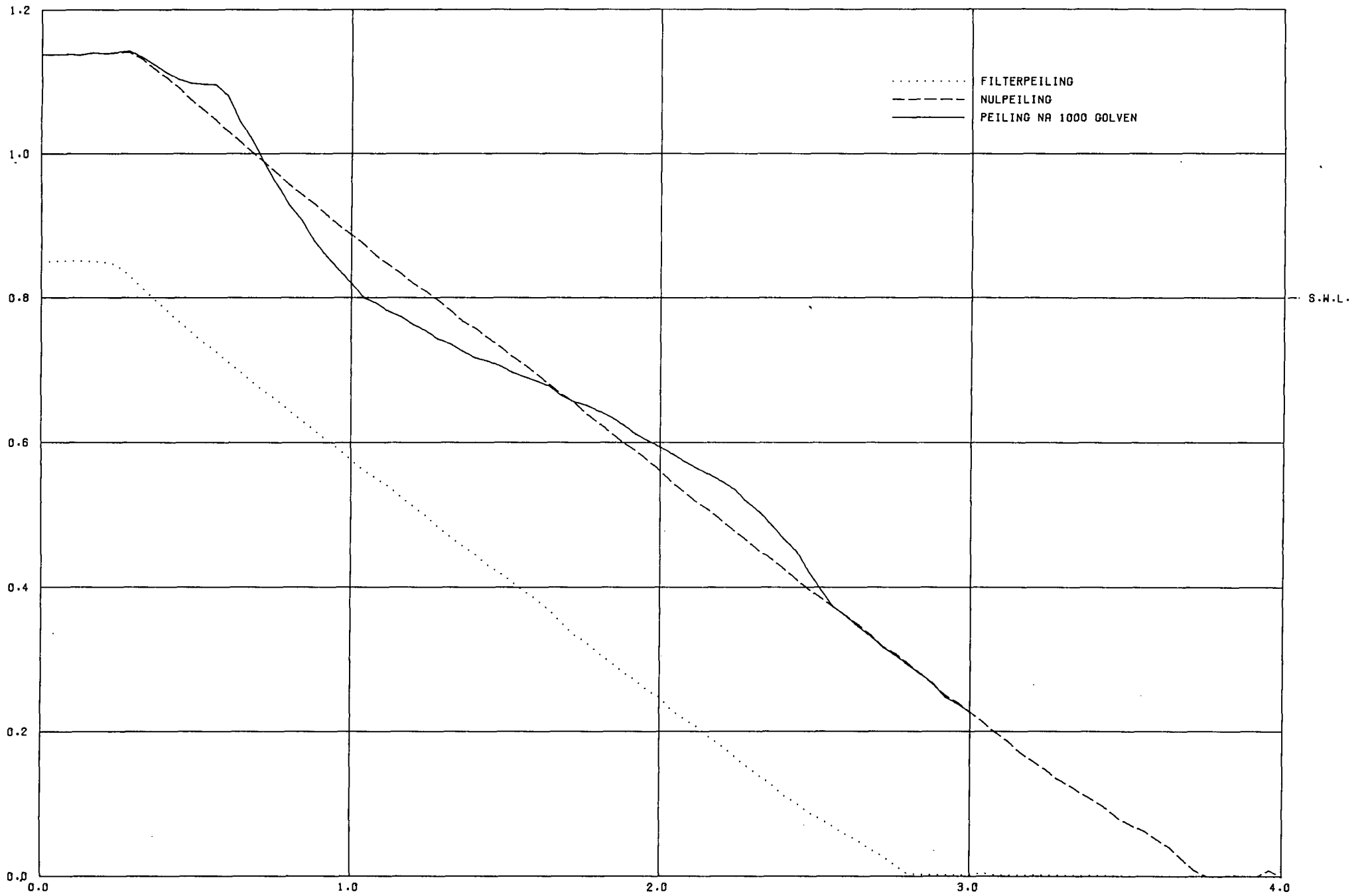


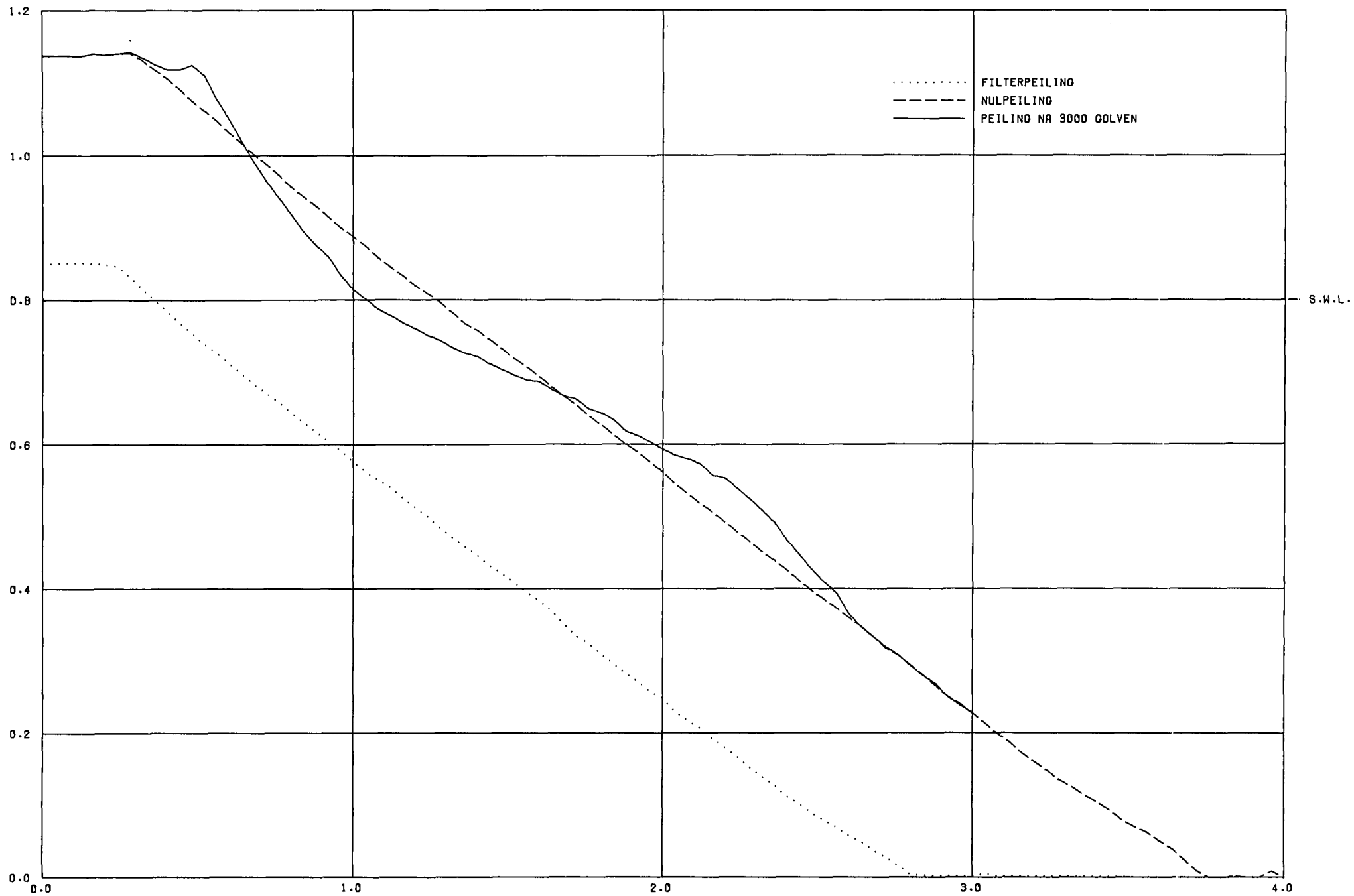






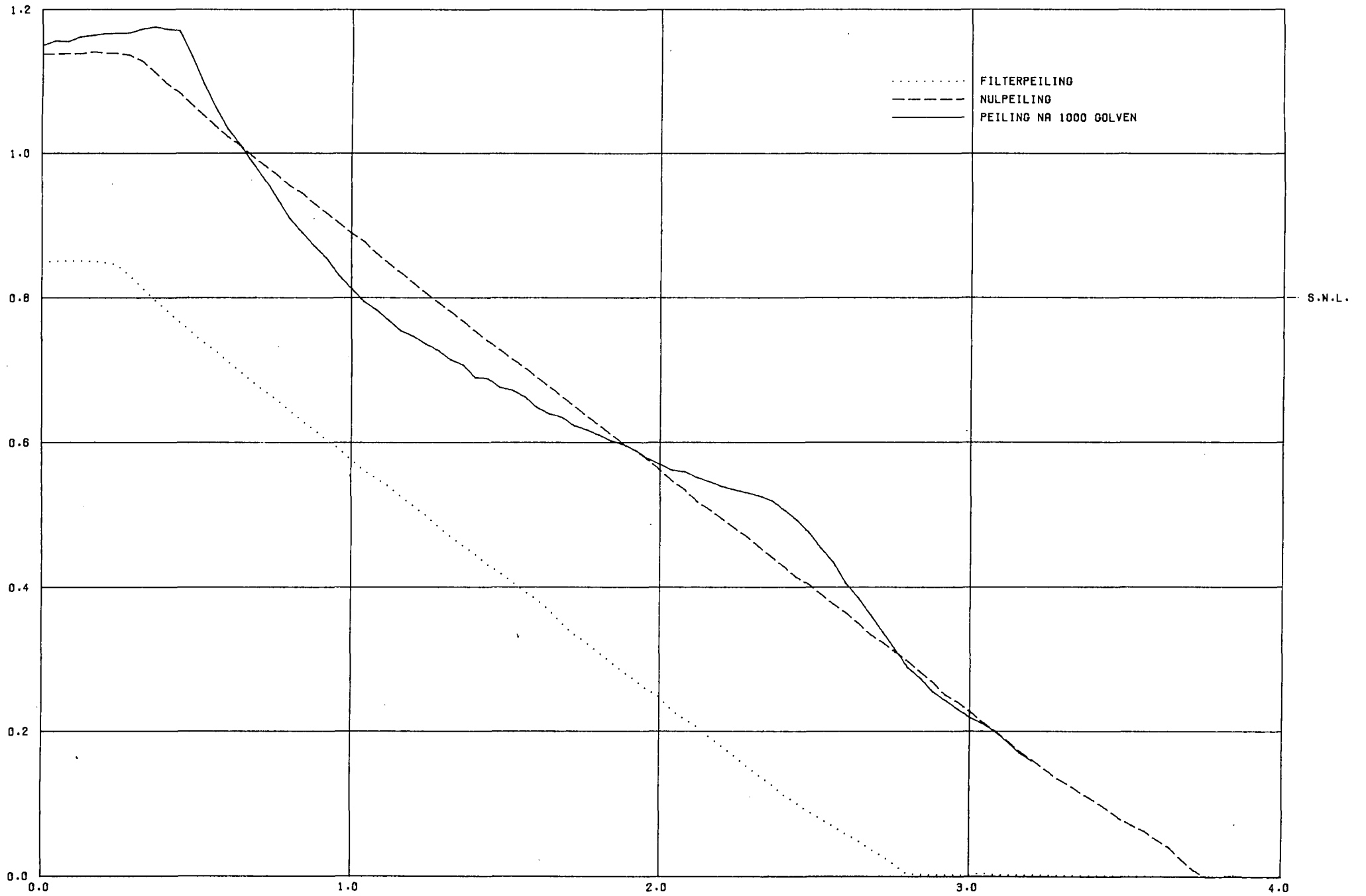


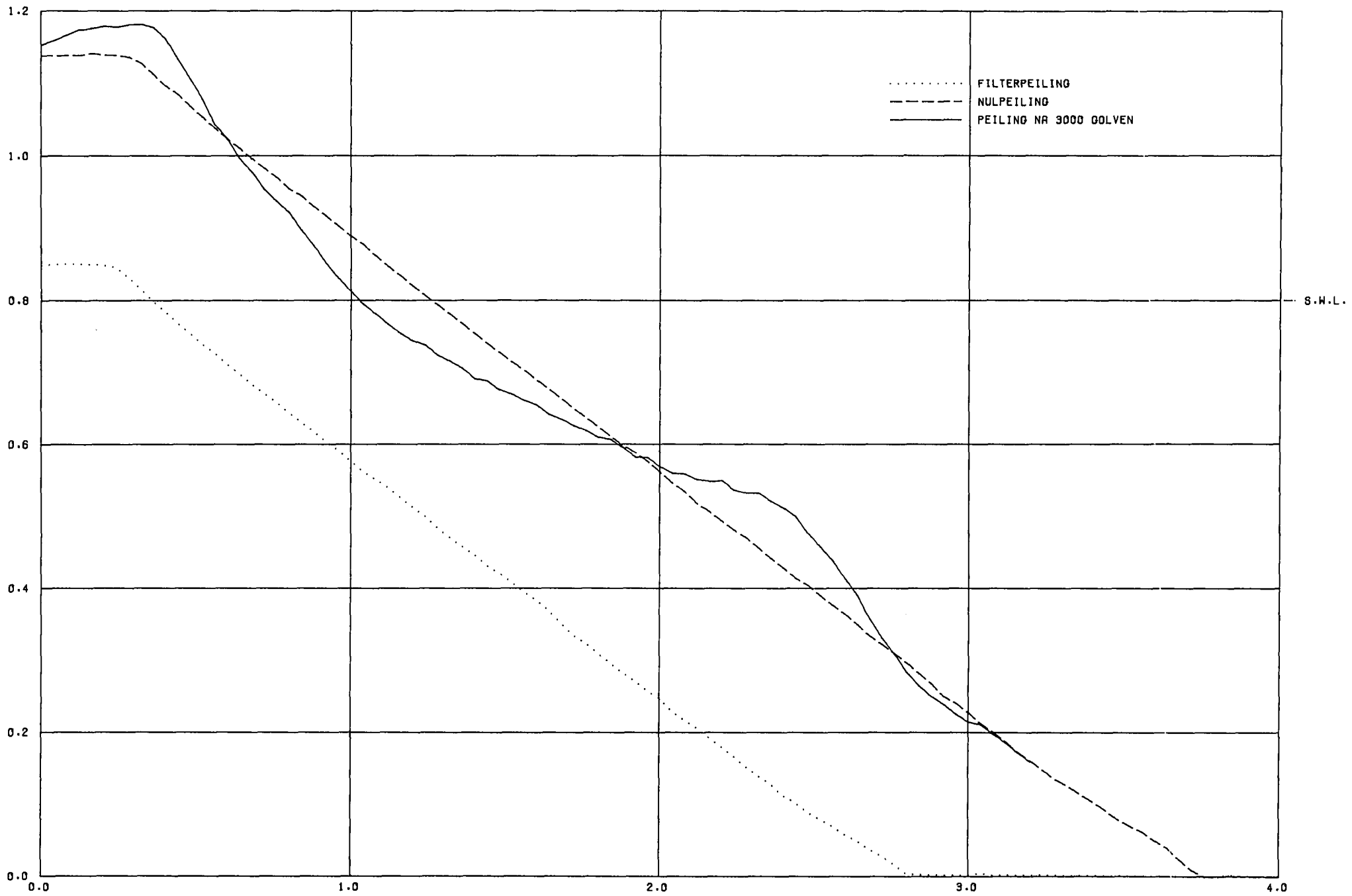


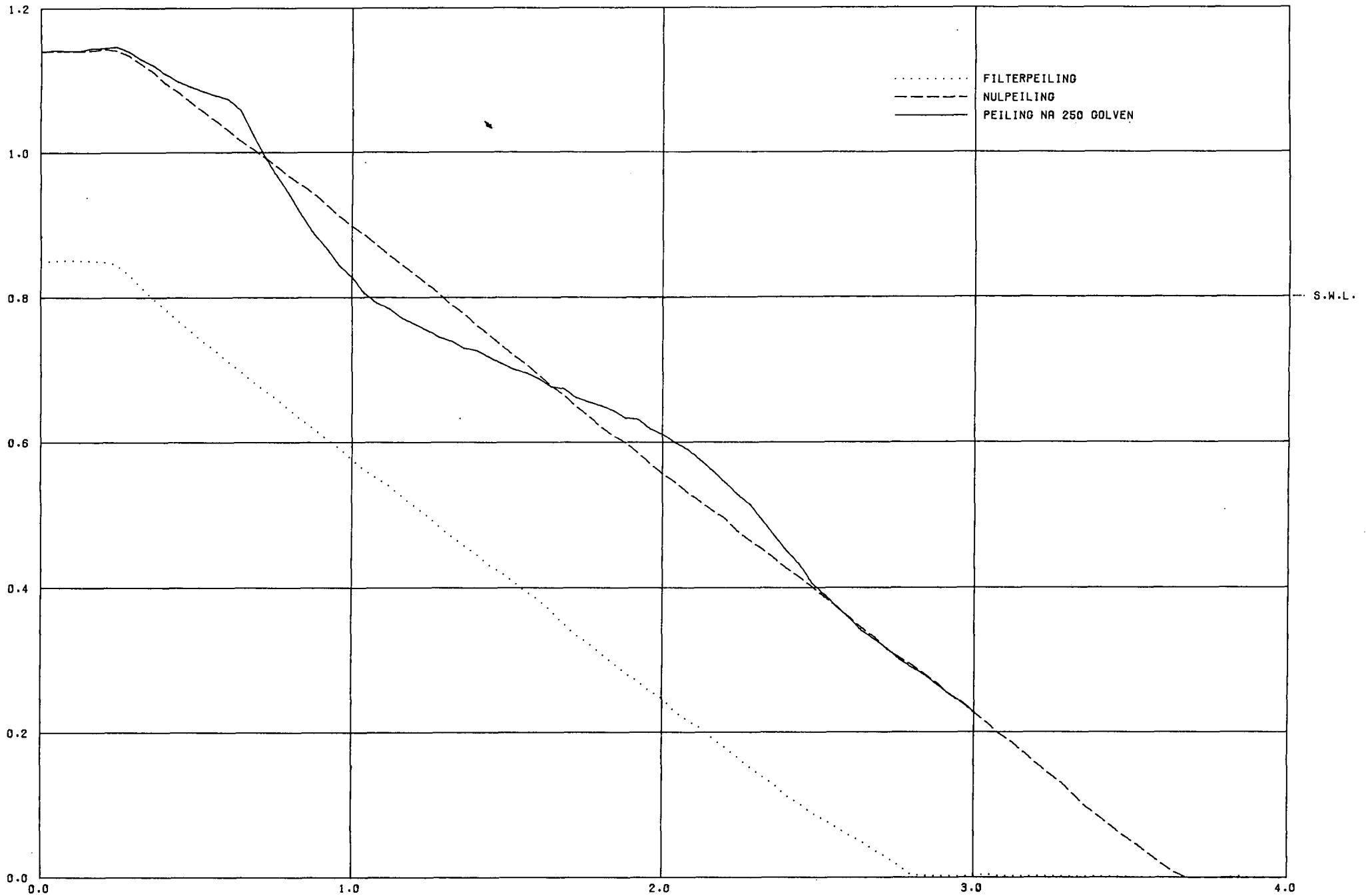


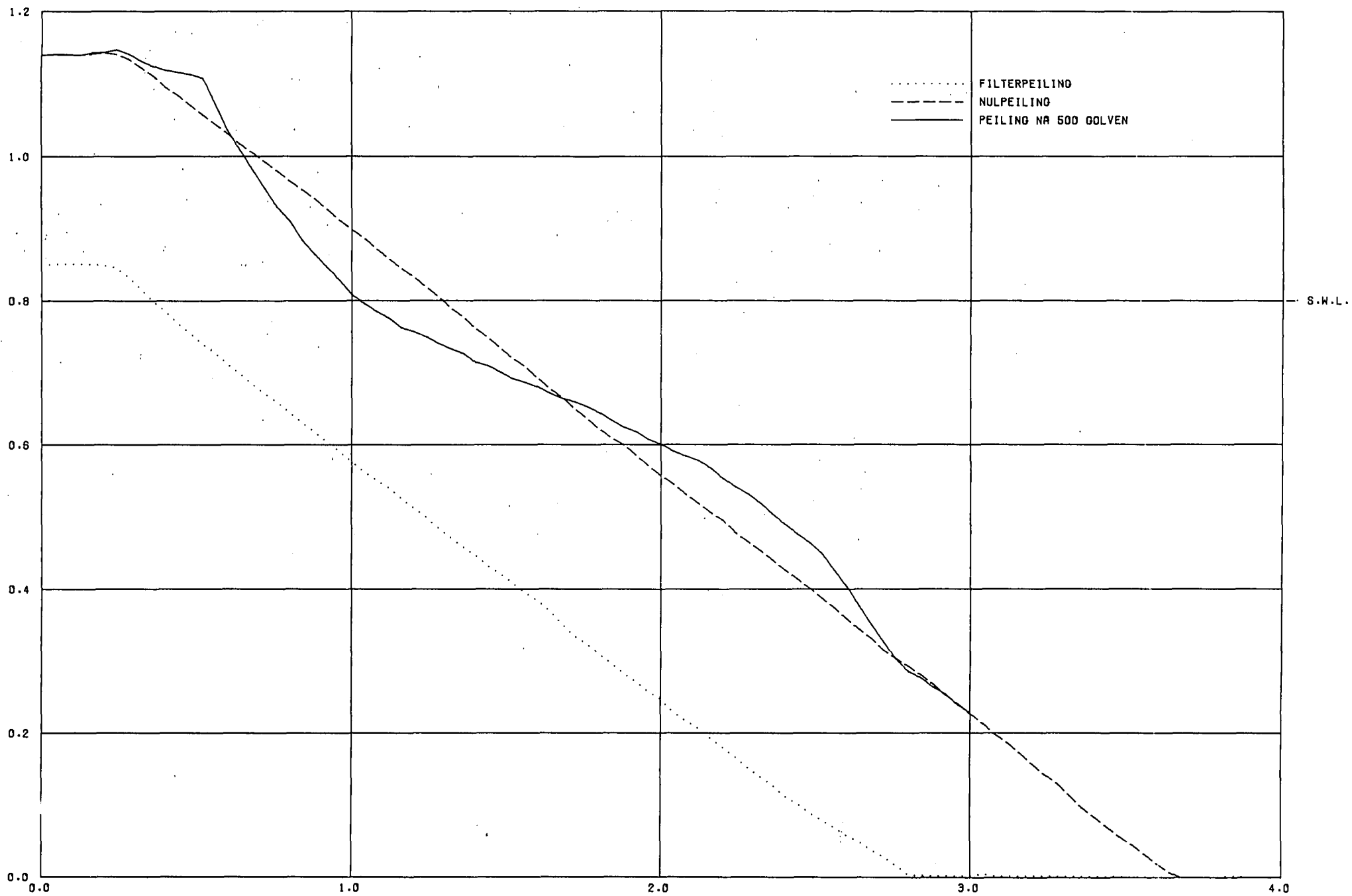
DEMIJDELOE PROFIELEN

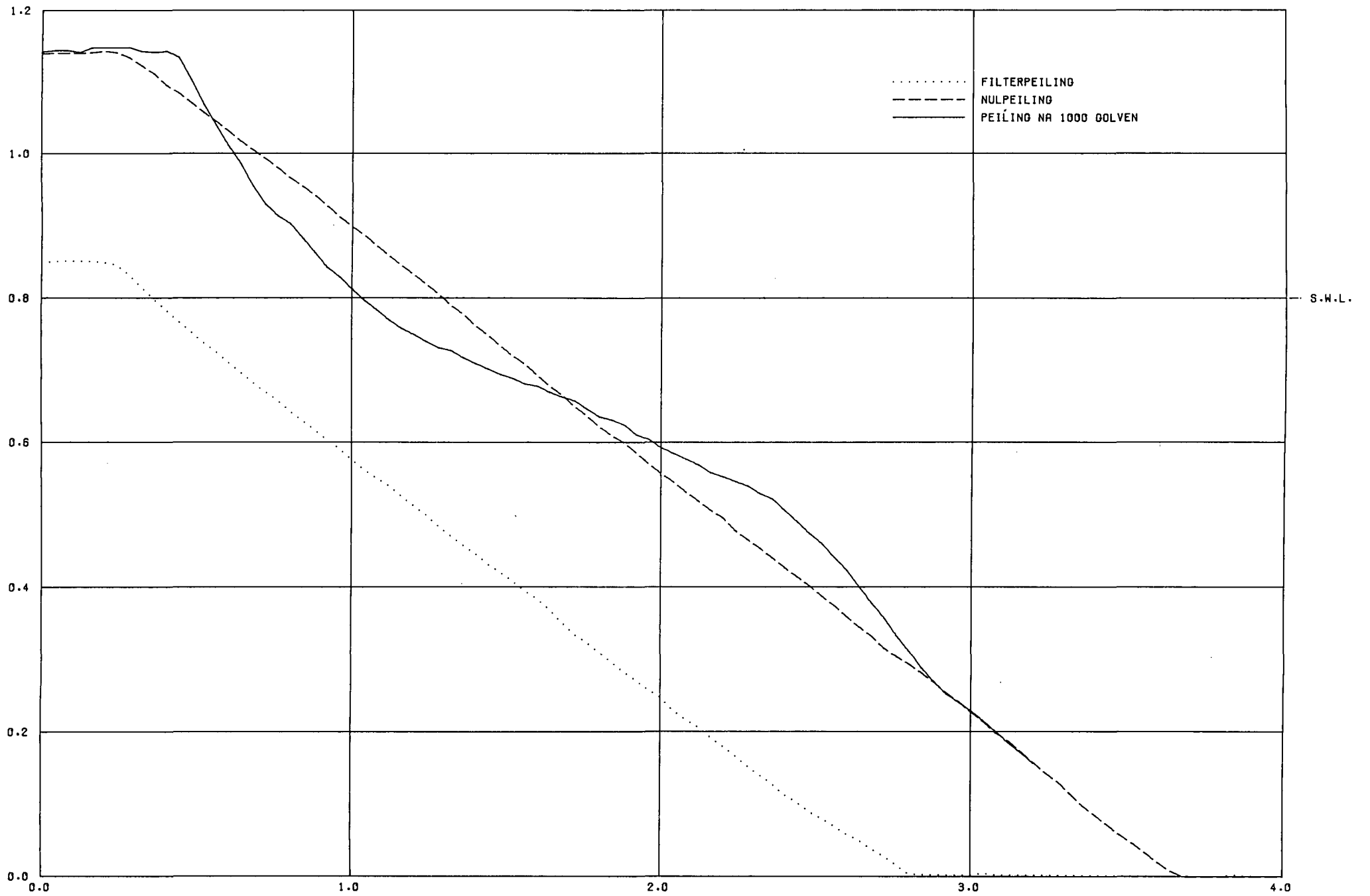
P405



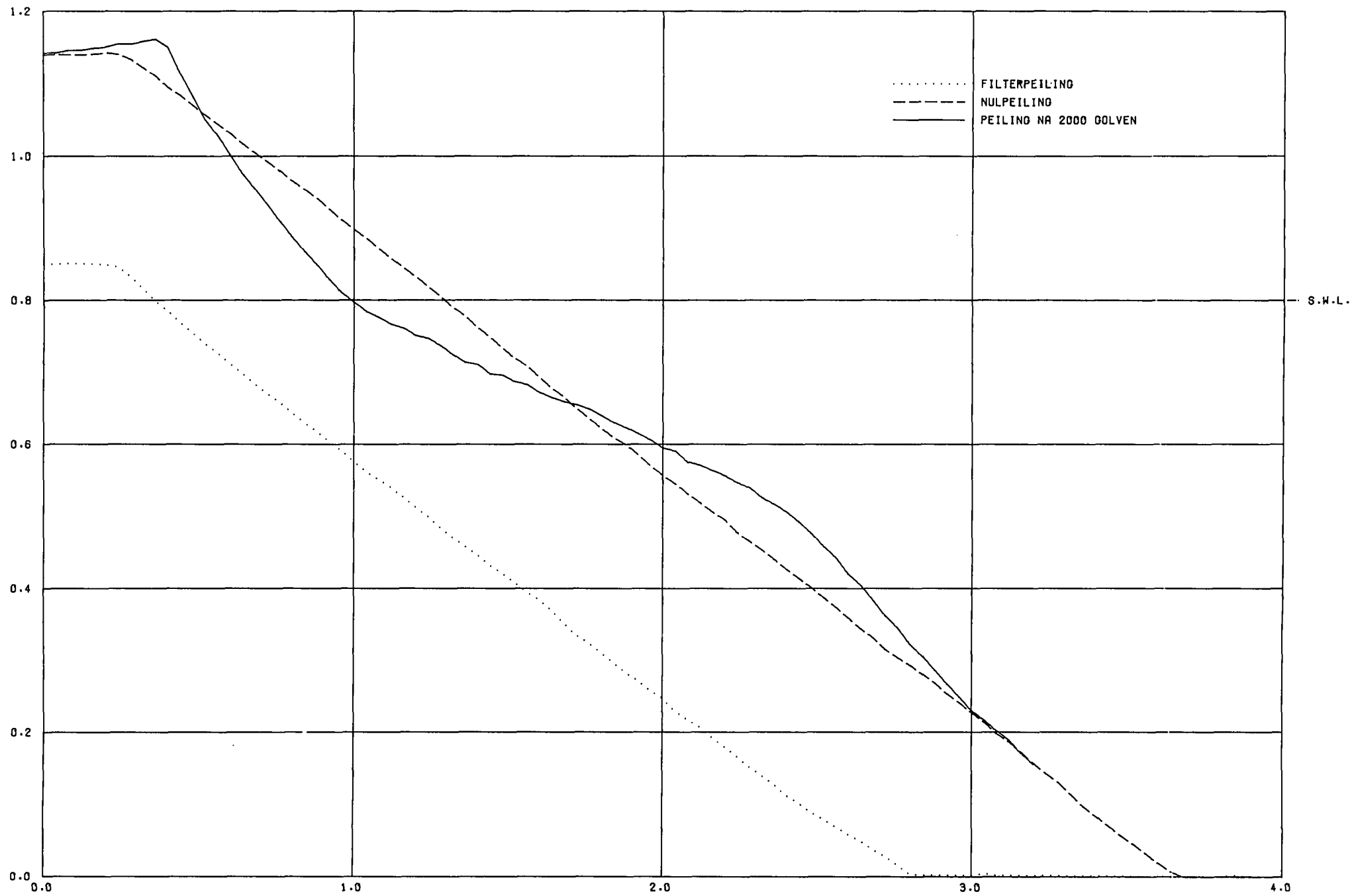


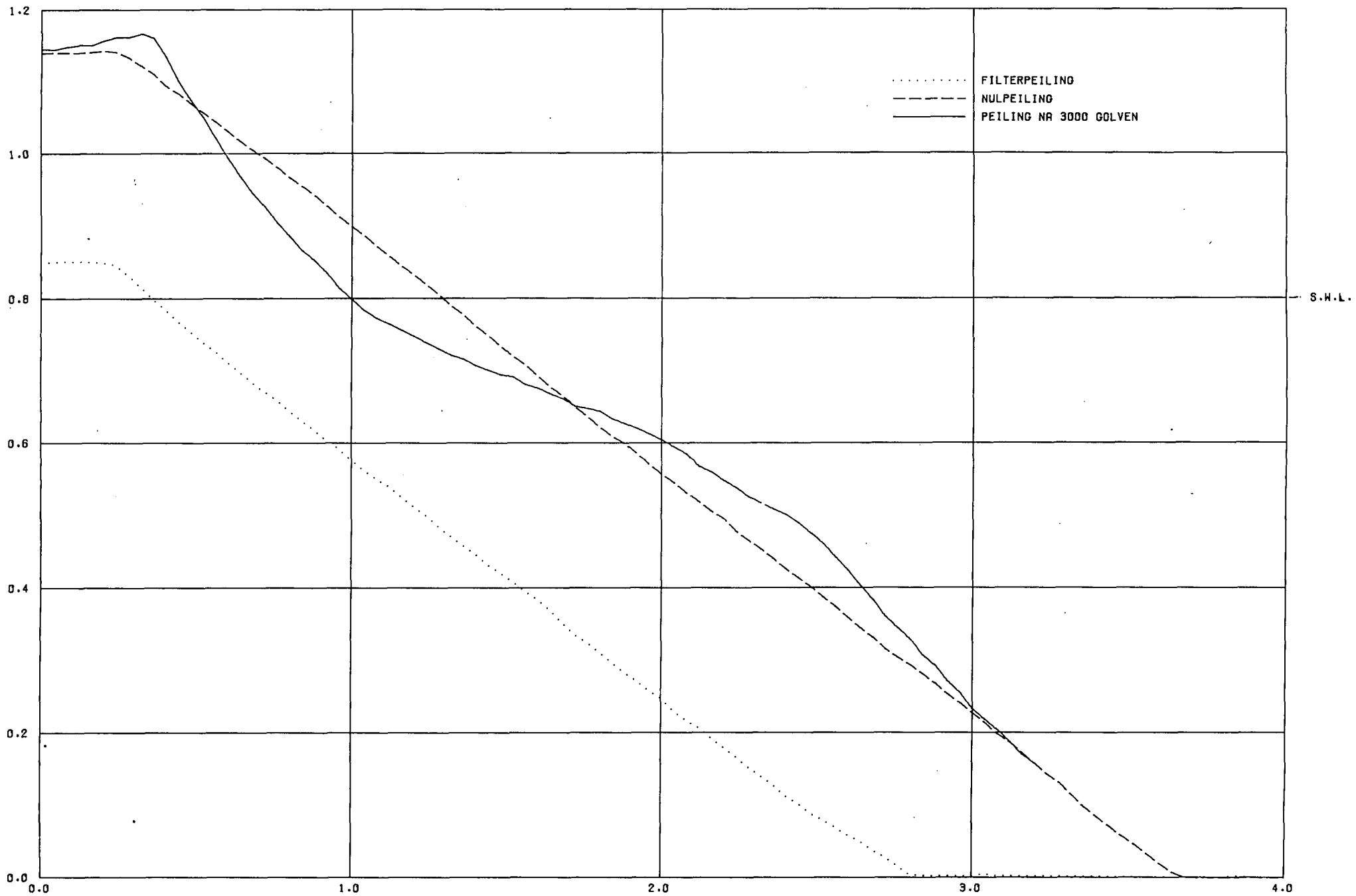


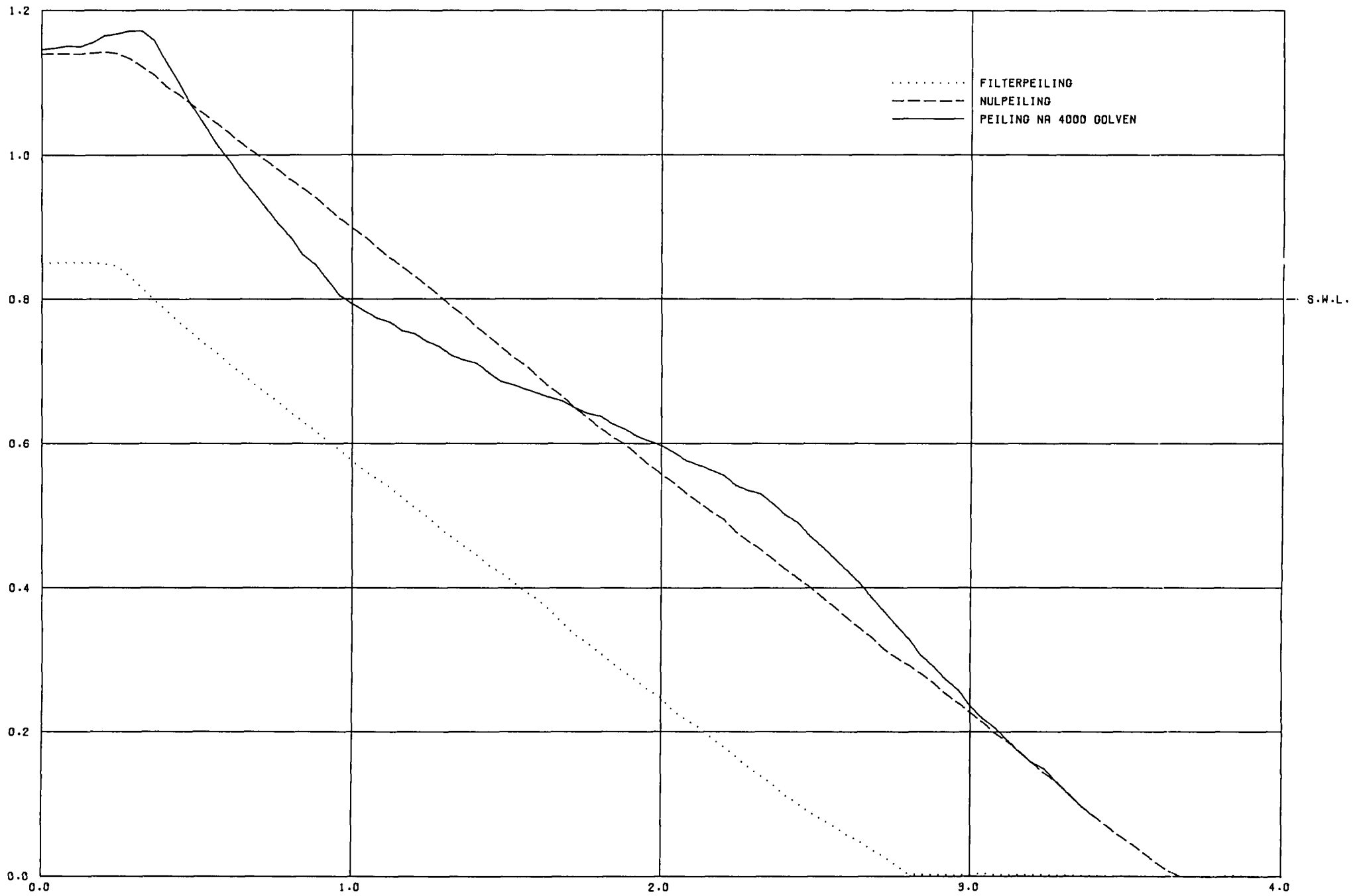


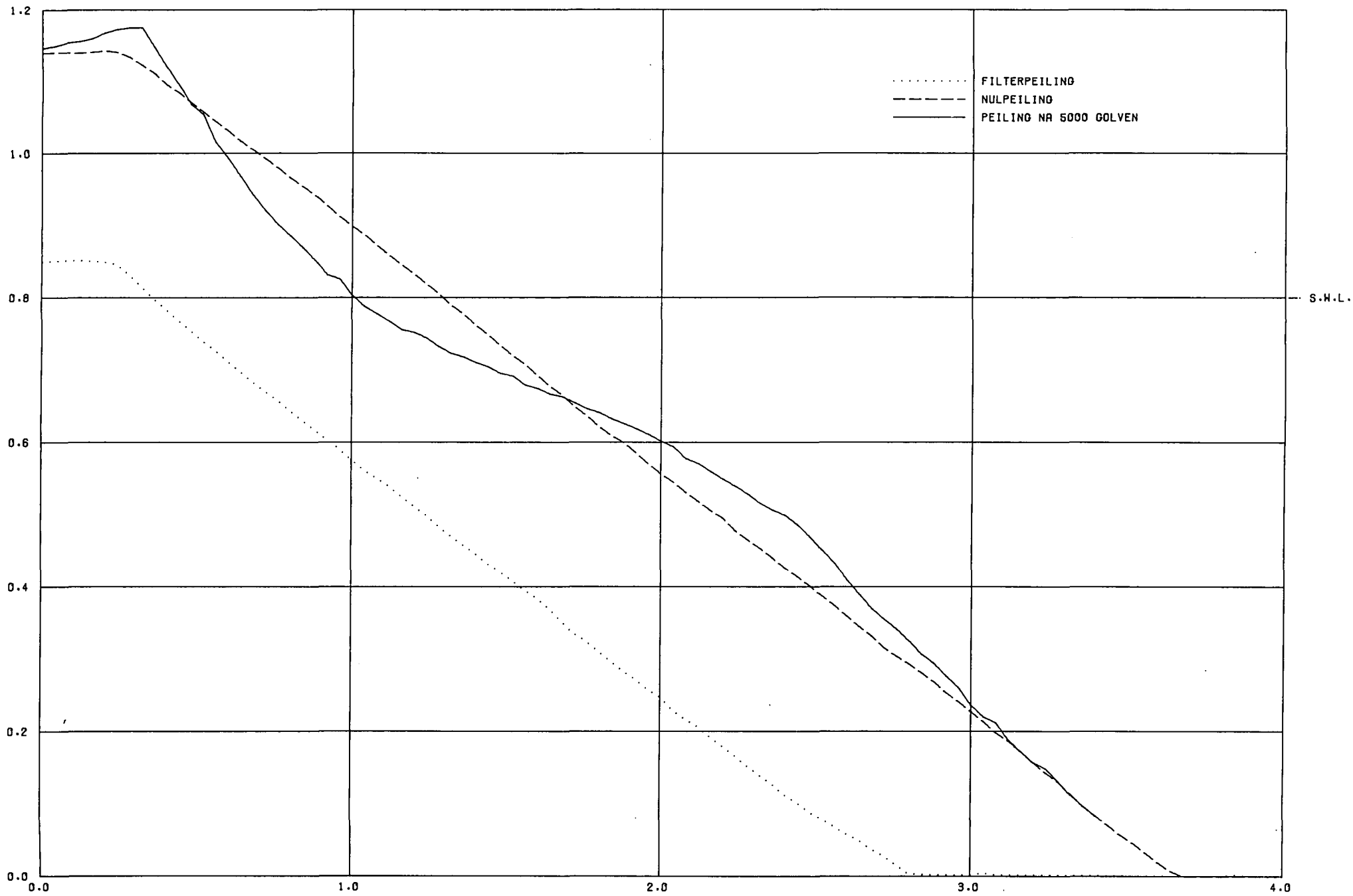


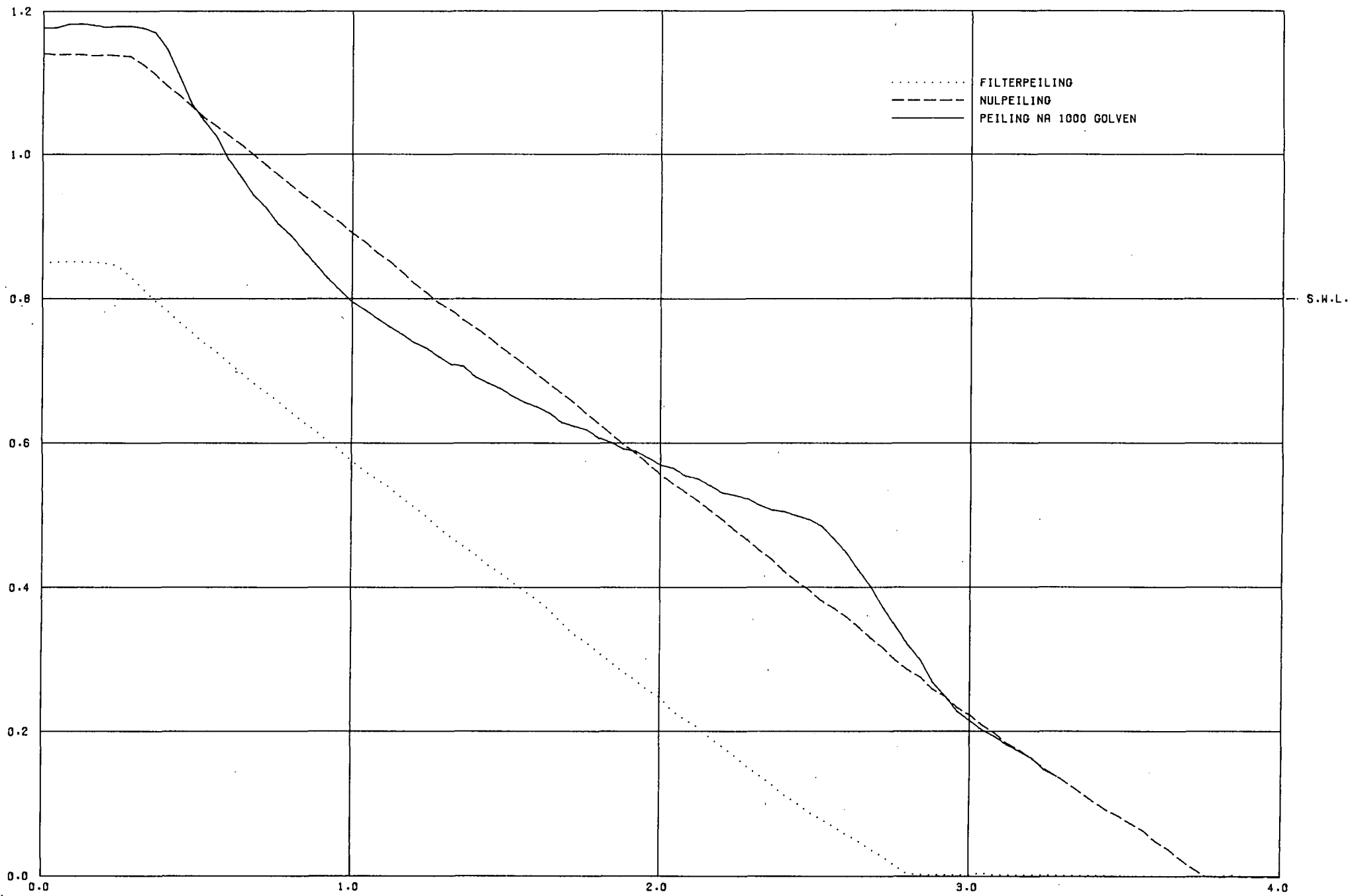


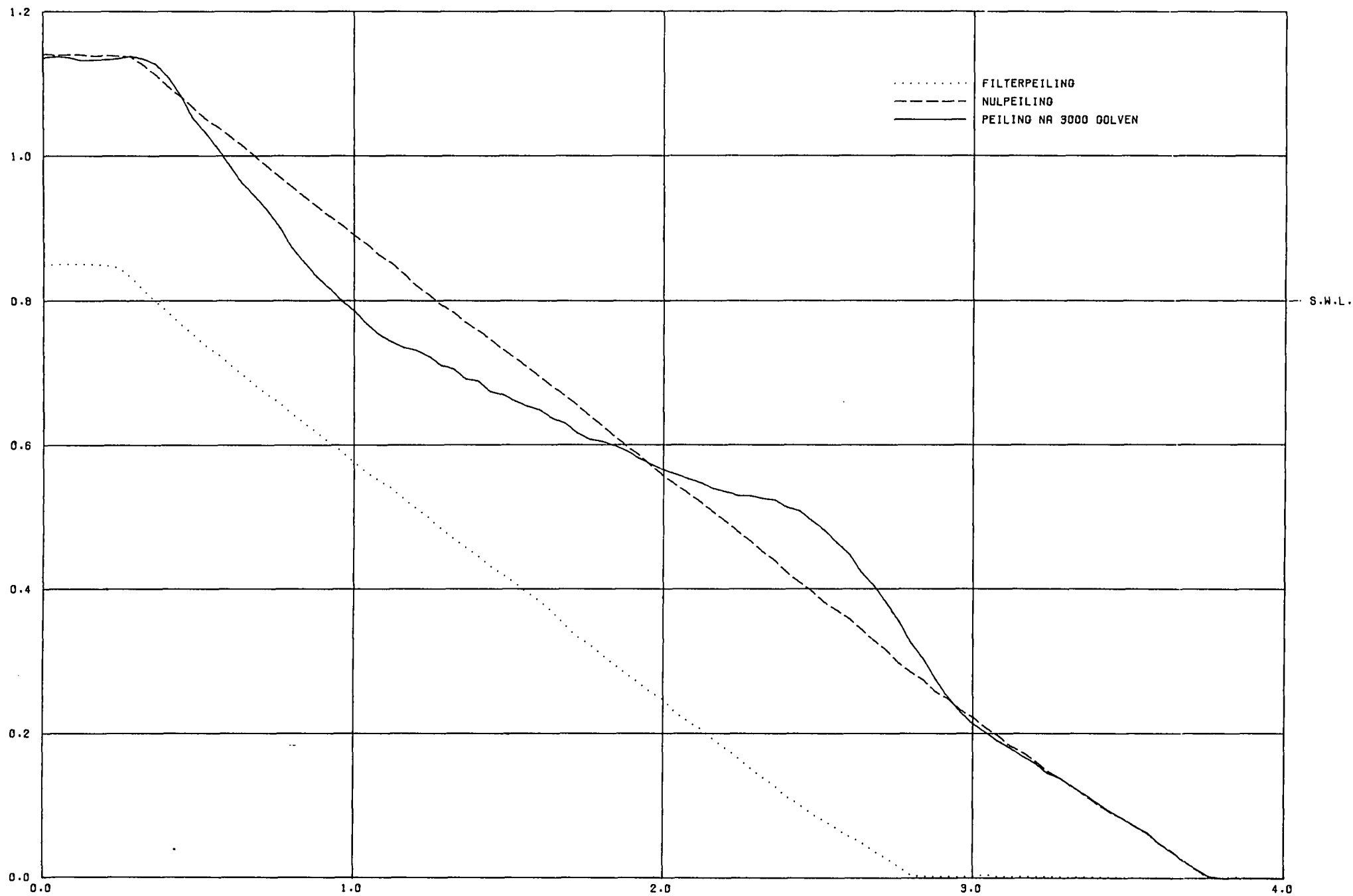


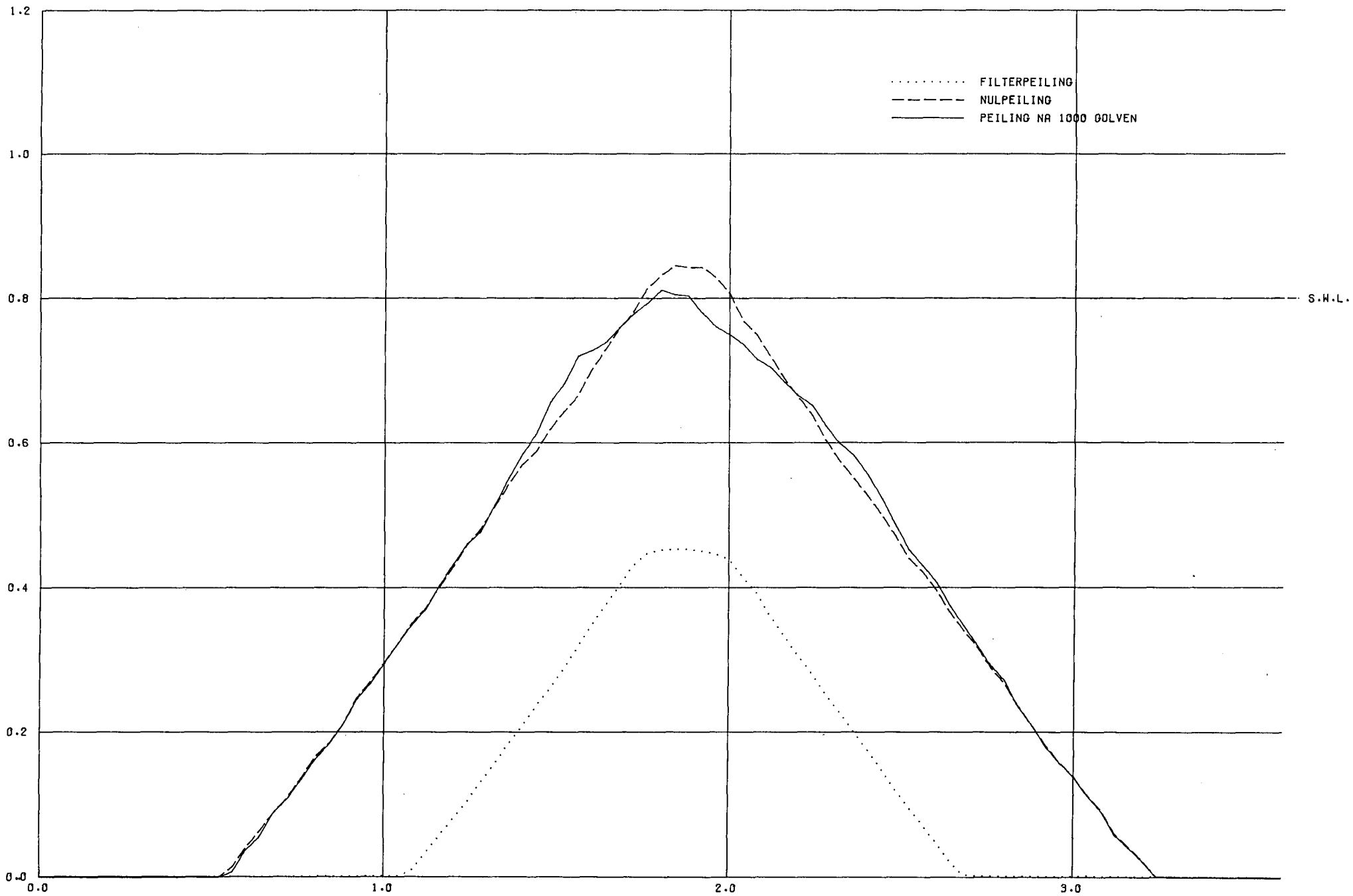


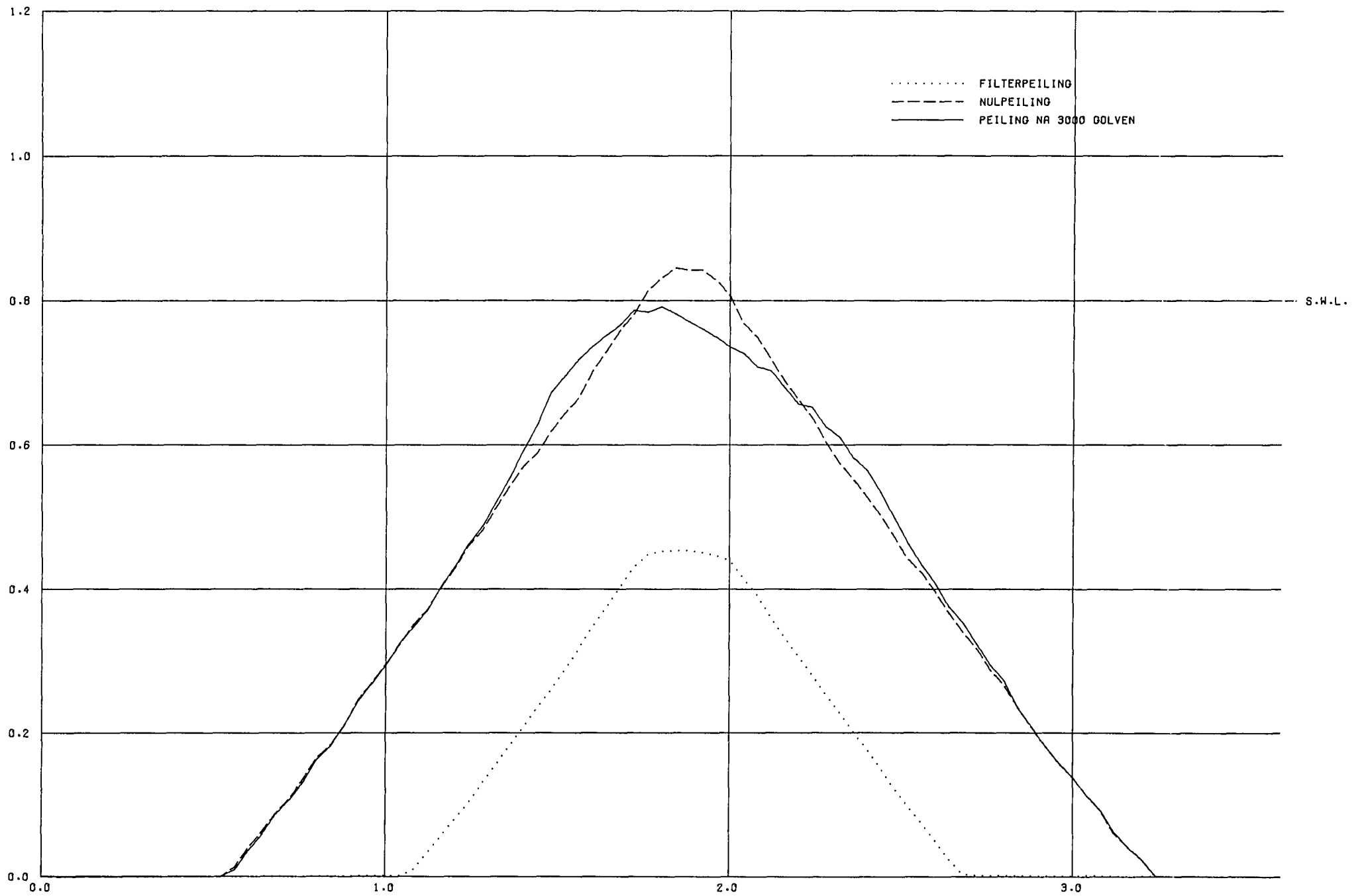




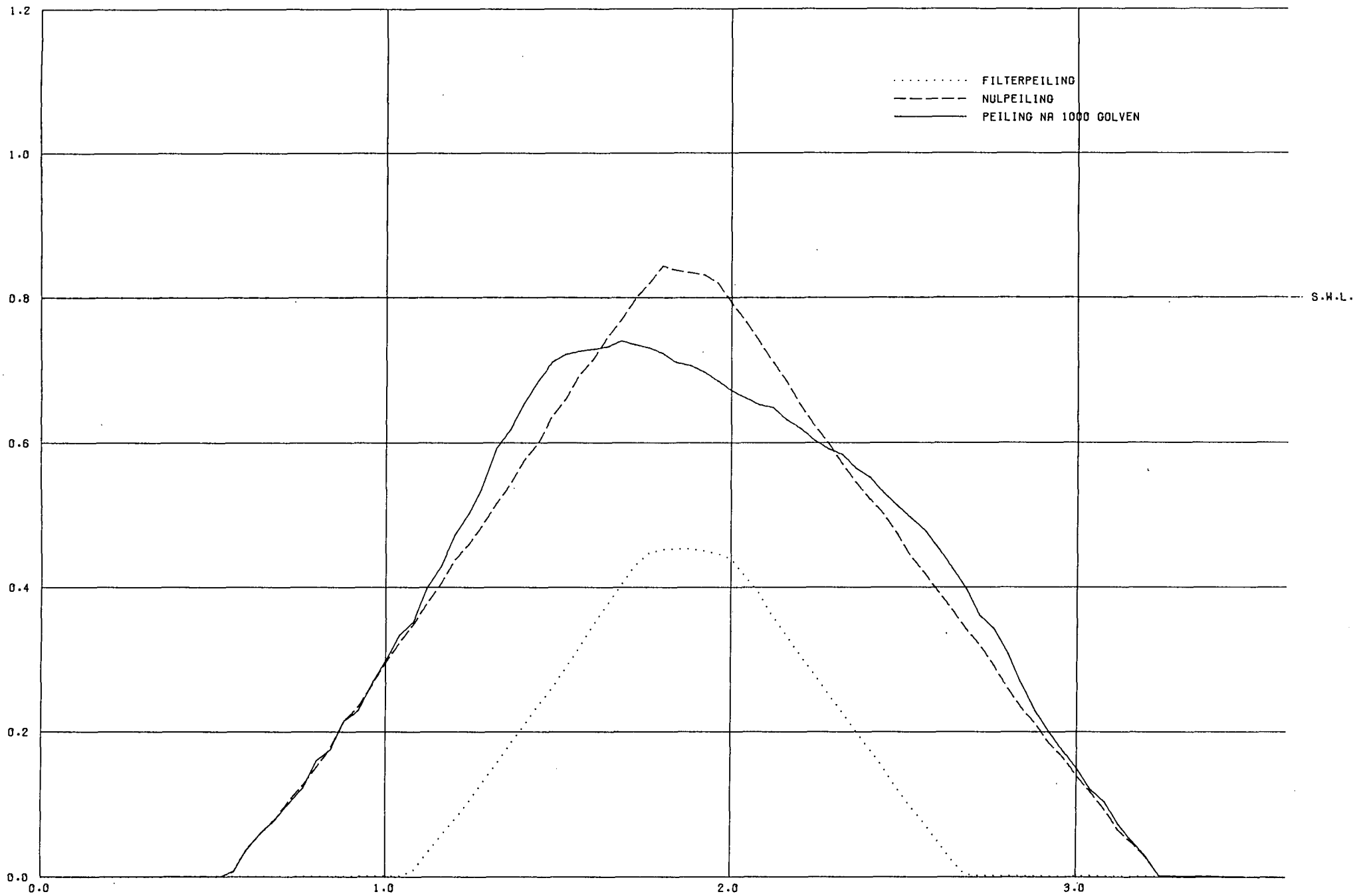


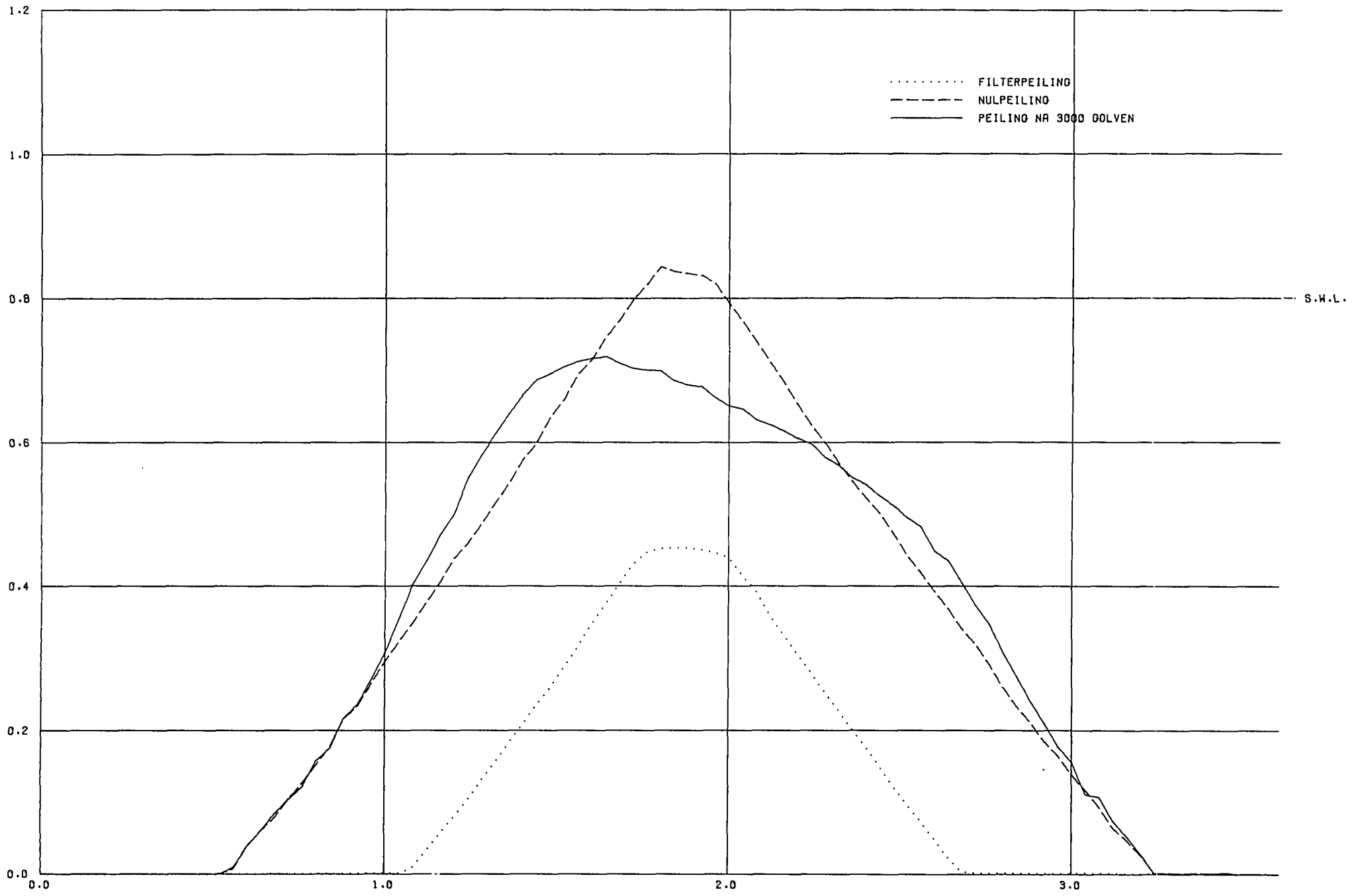






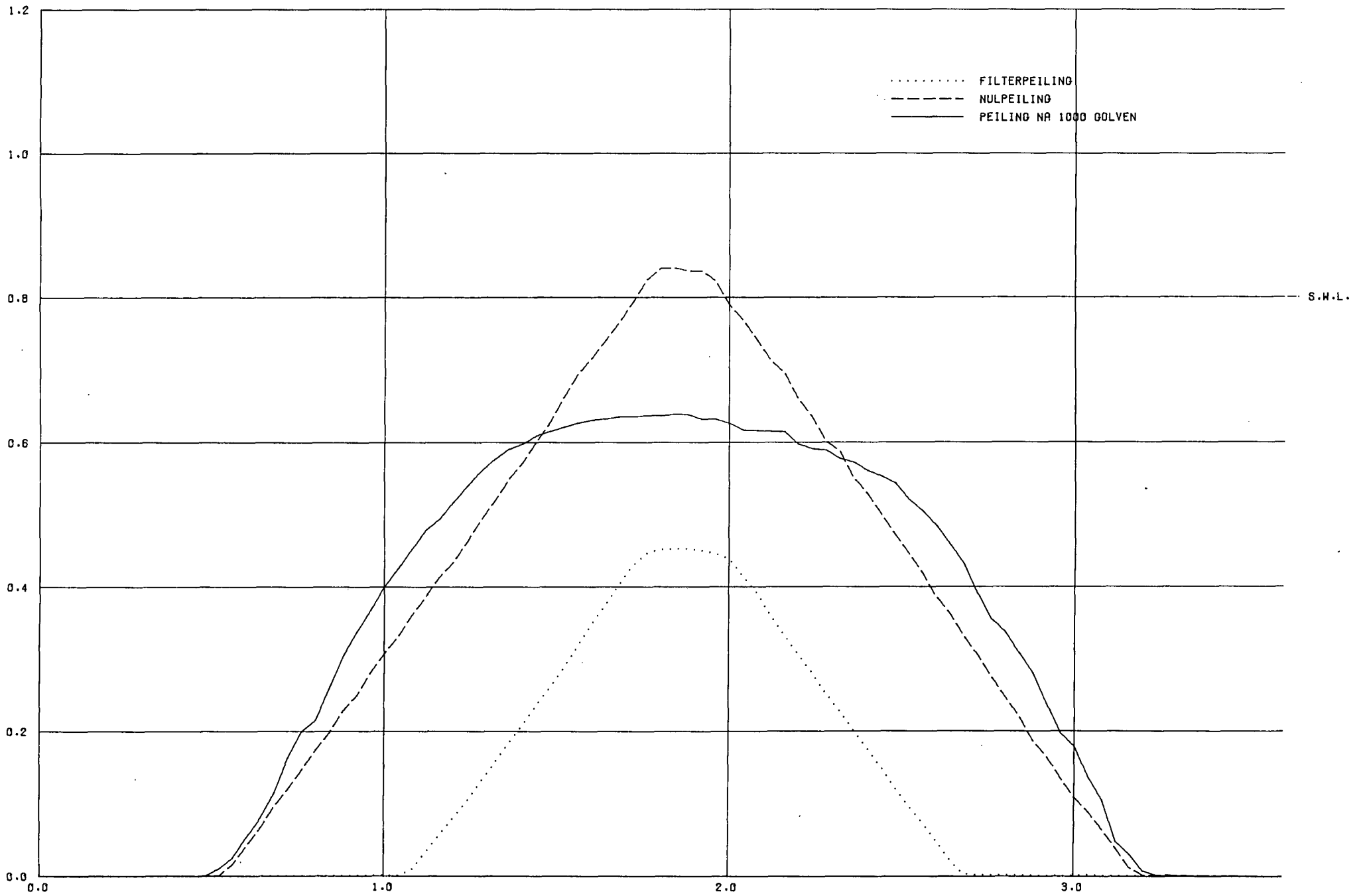


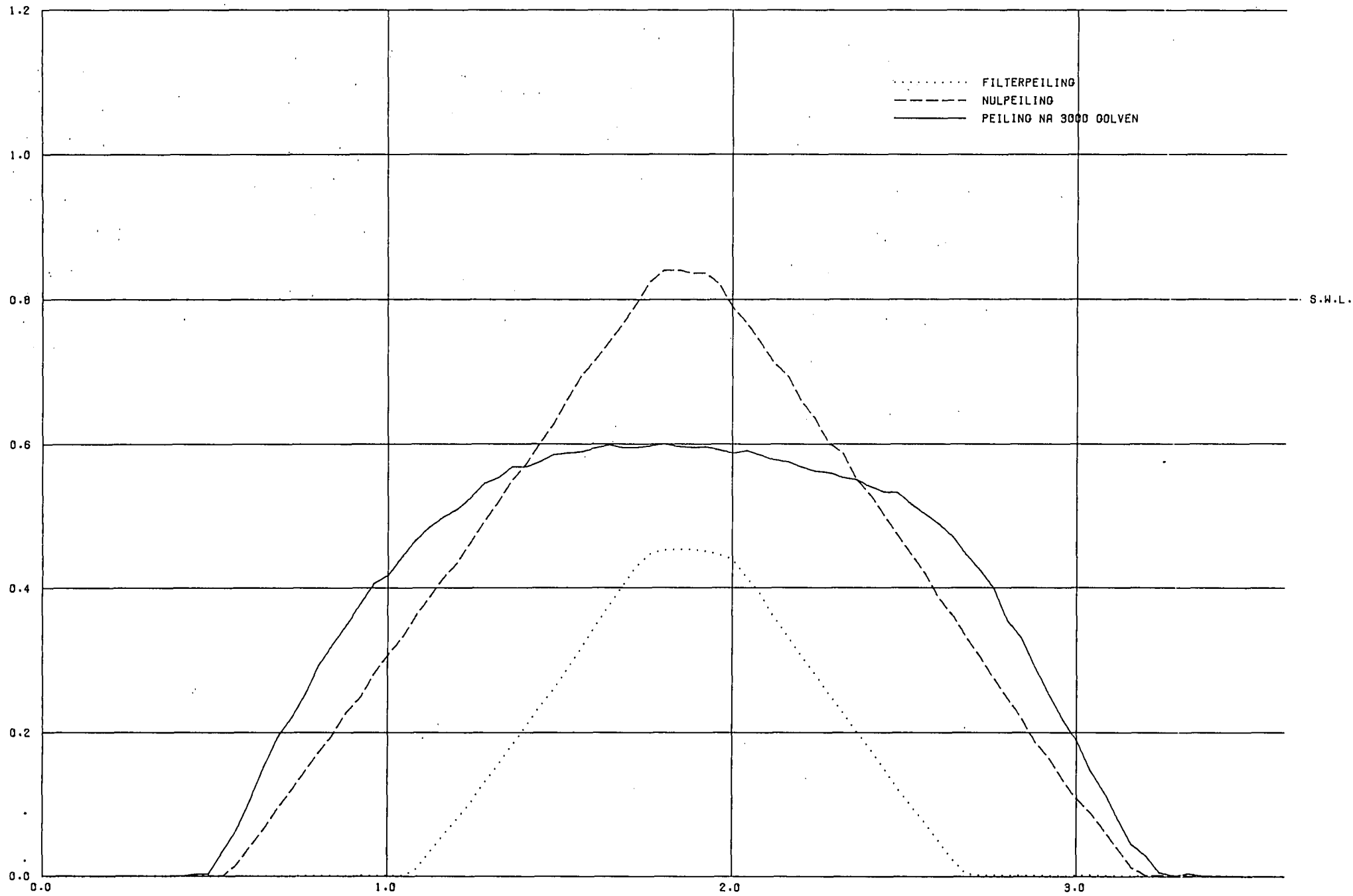


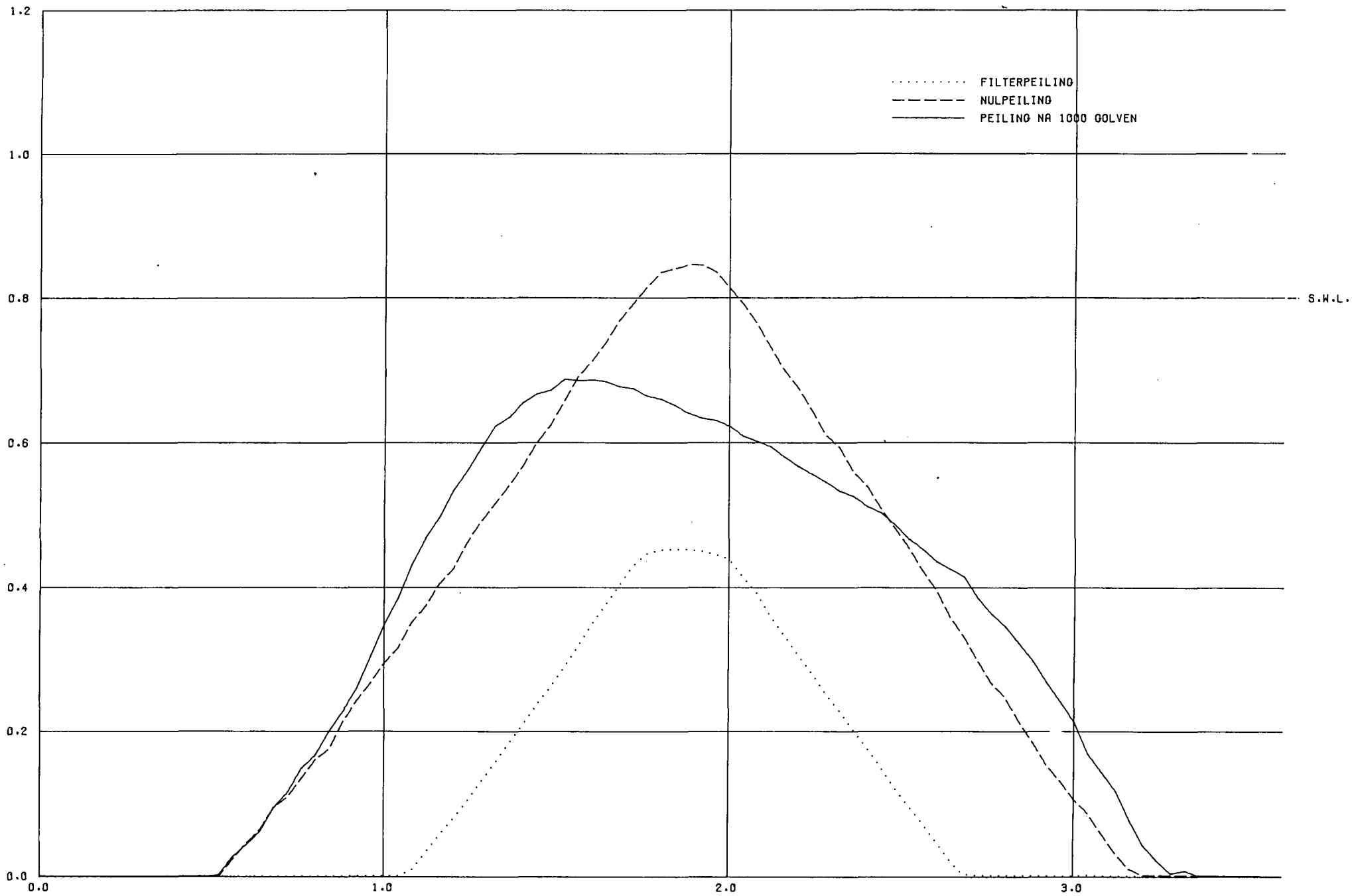


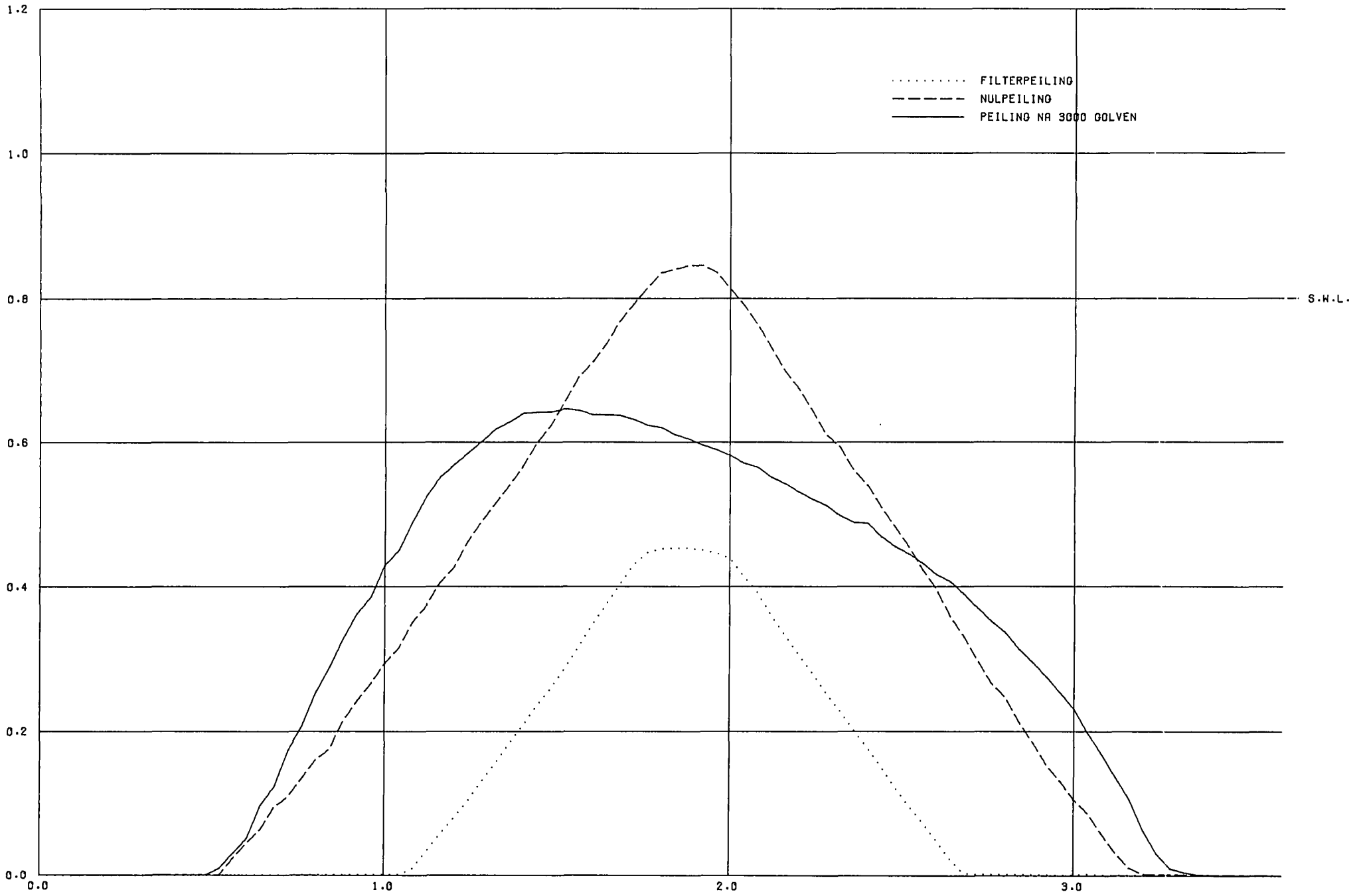
ØEMIDDELDE PROFIELEN

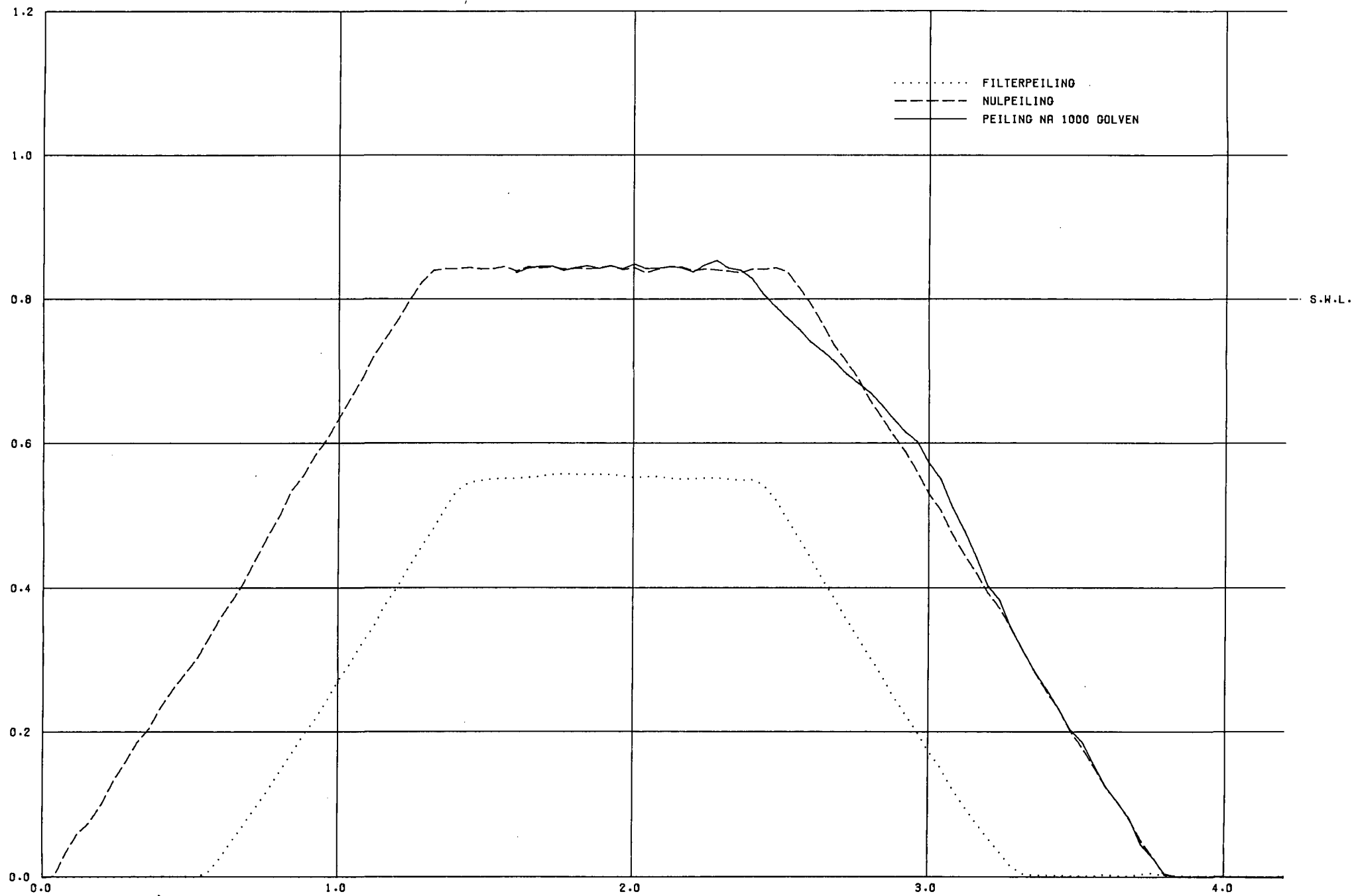
P410

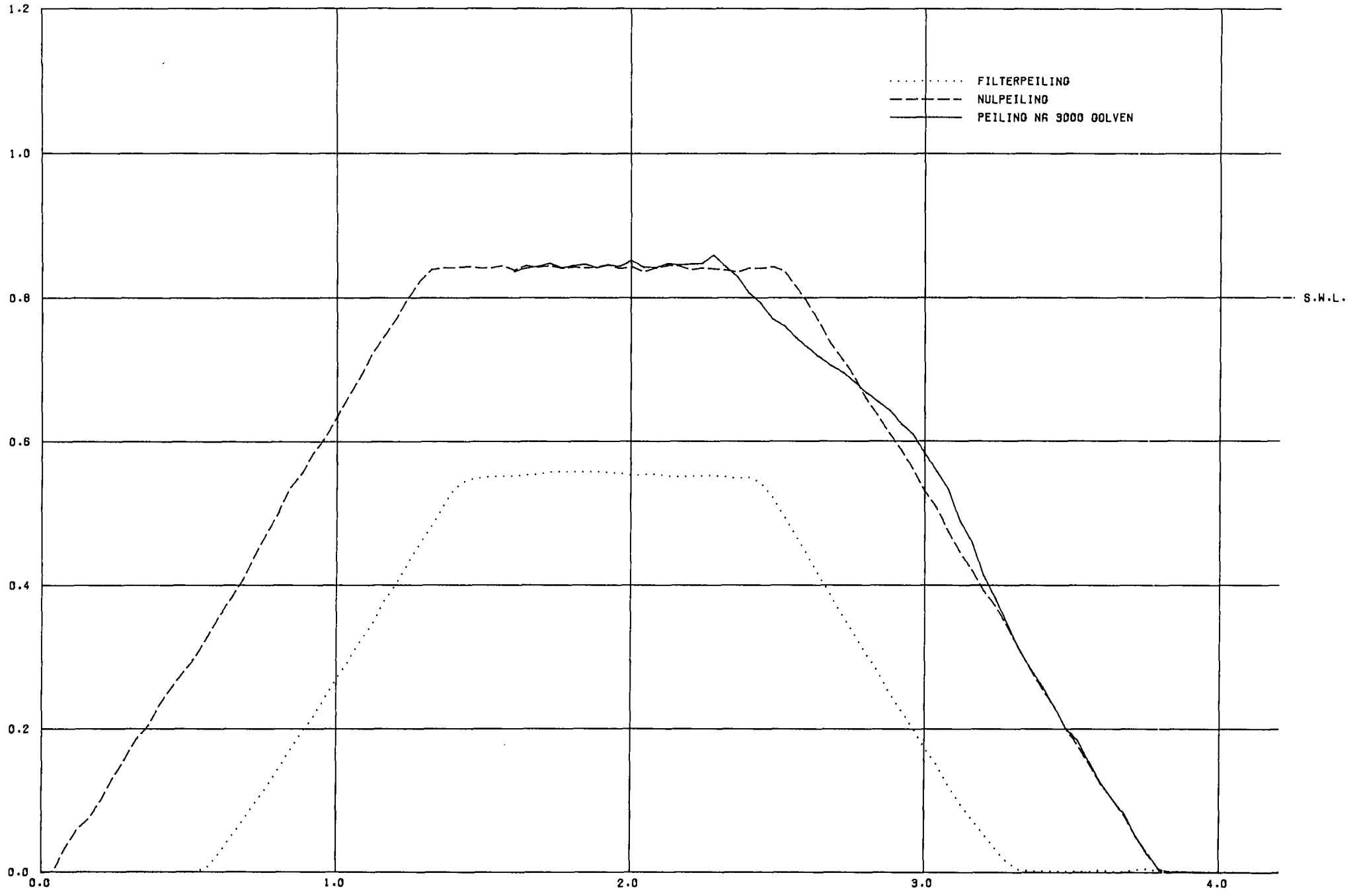




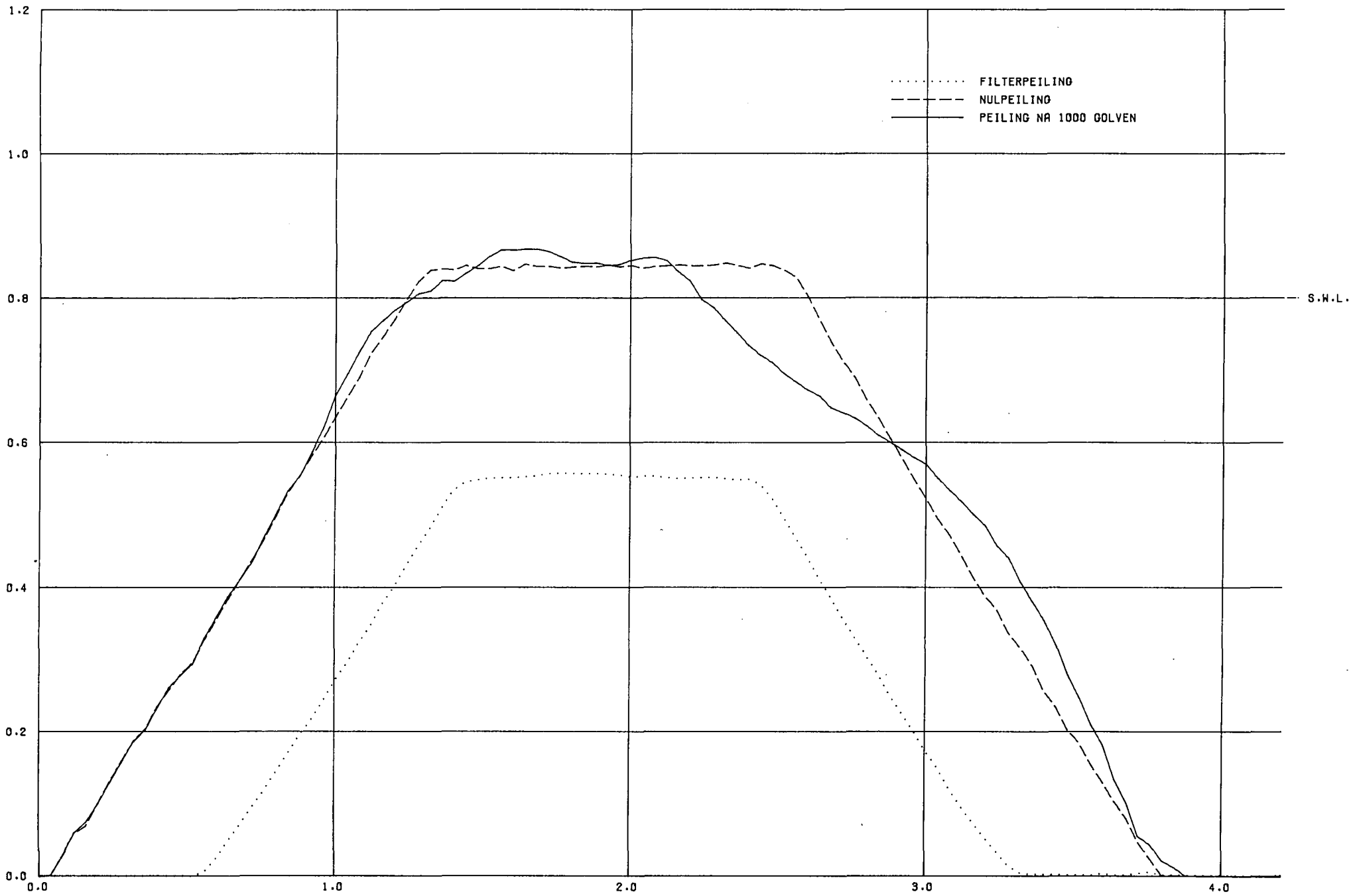


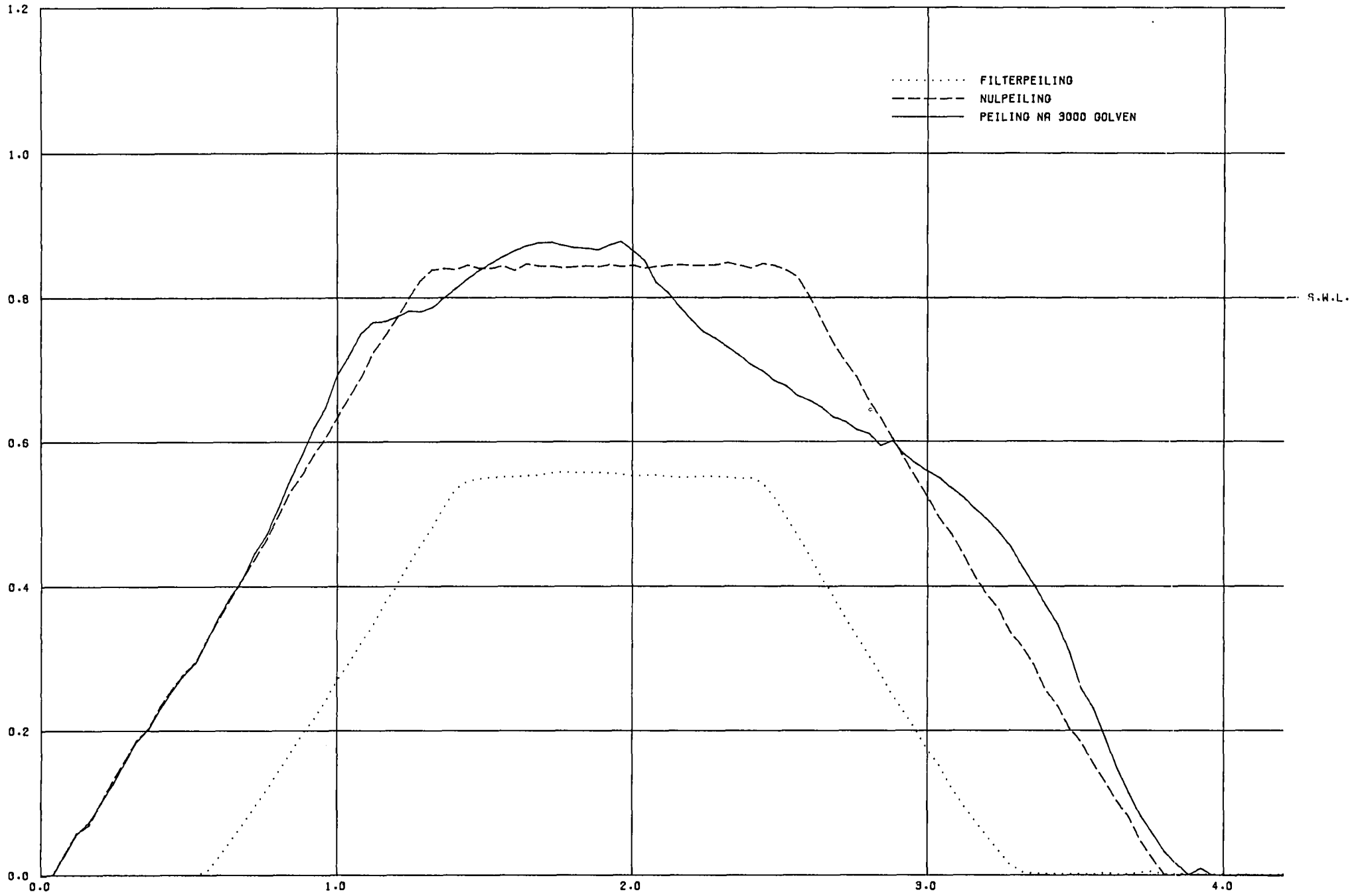


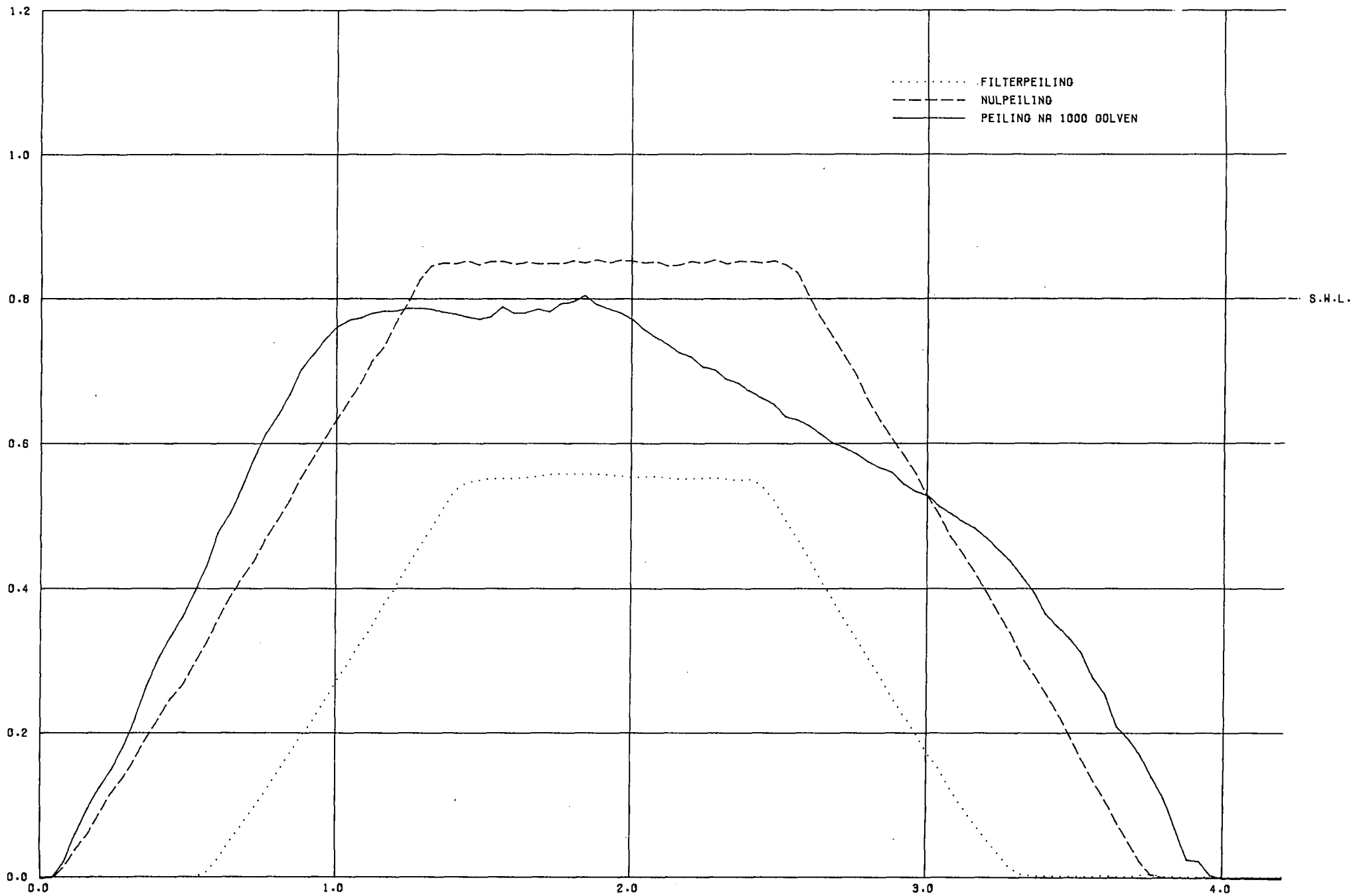


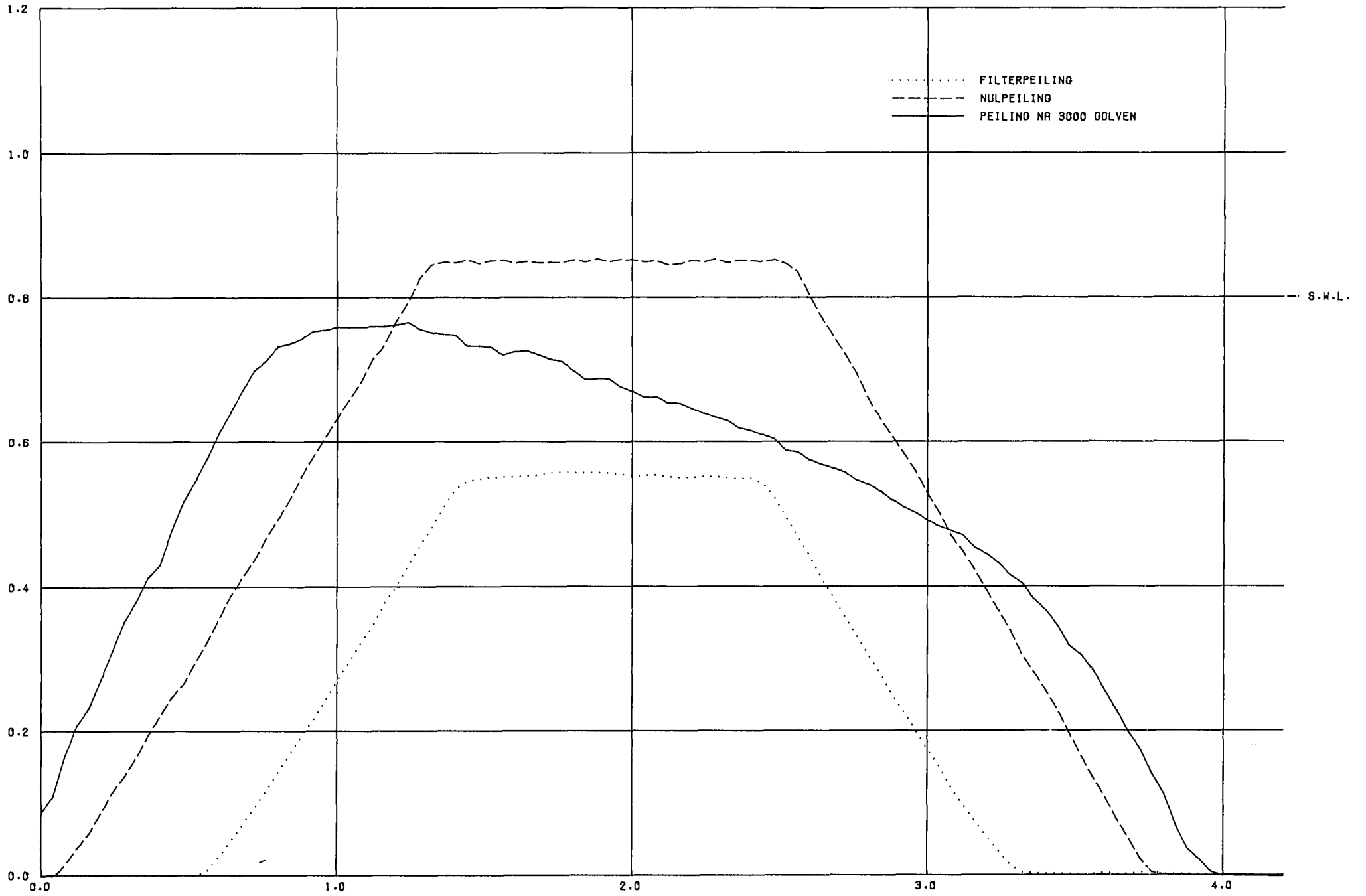


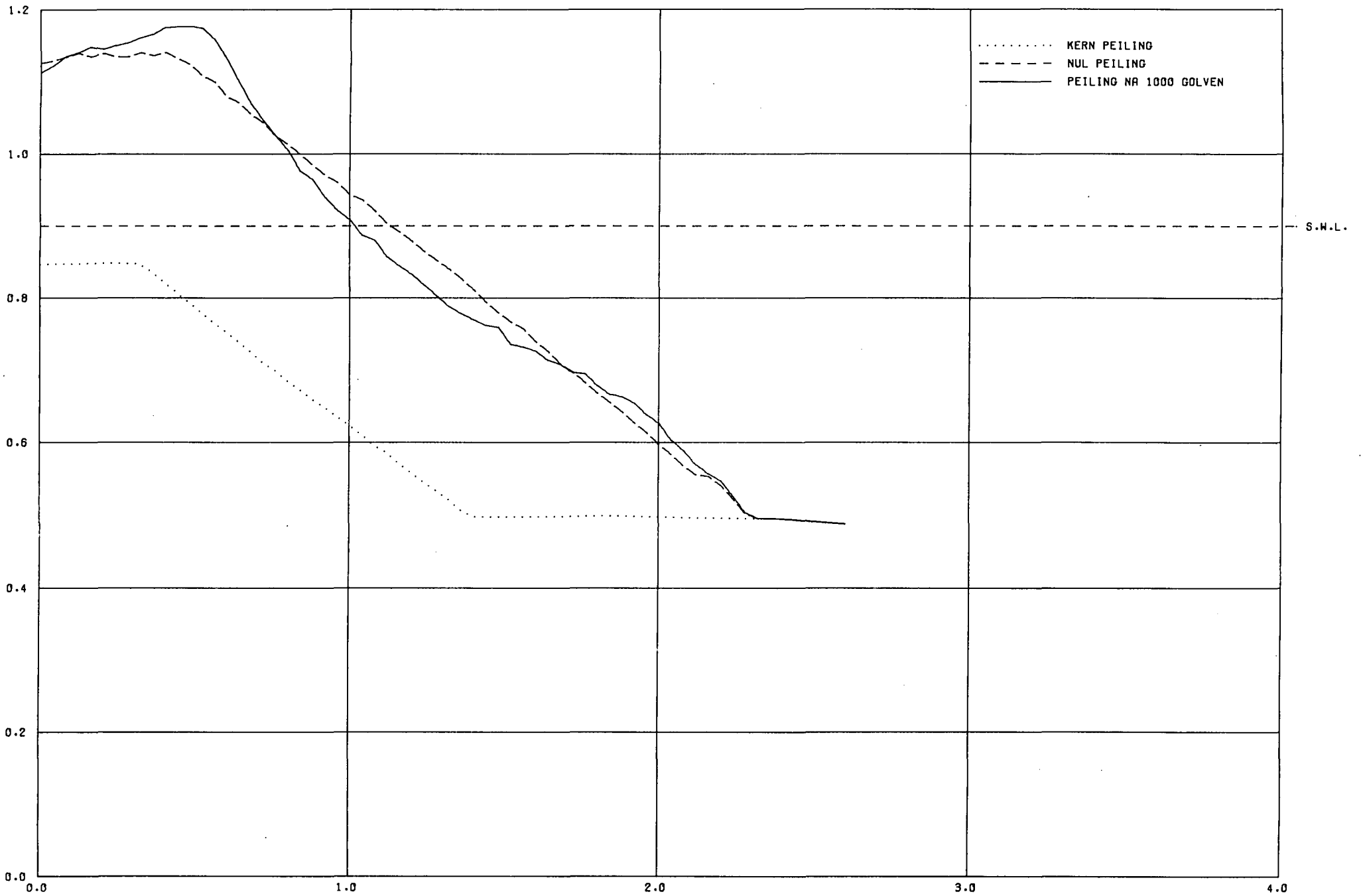






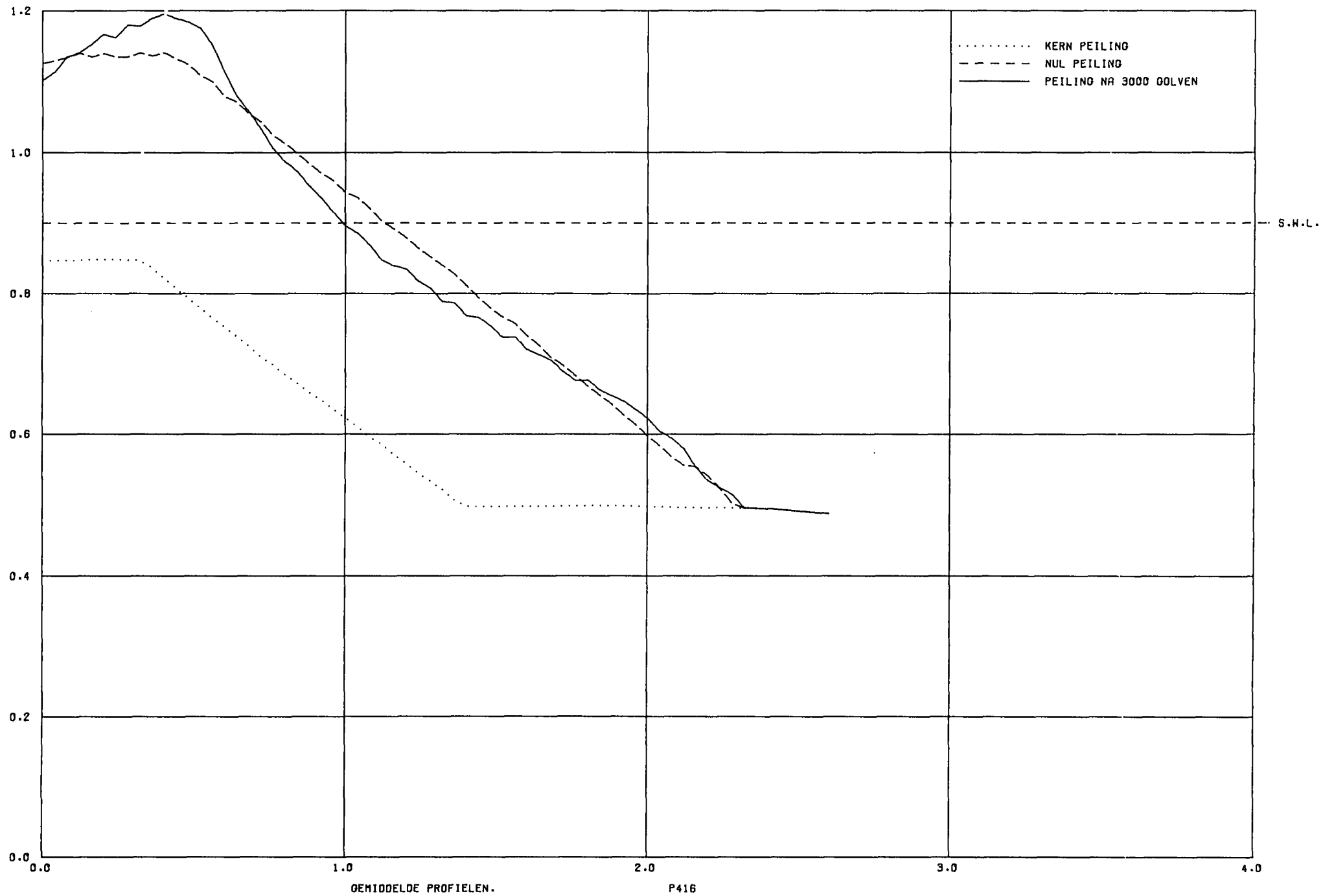






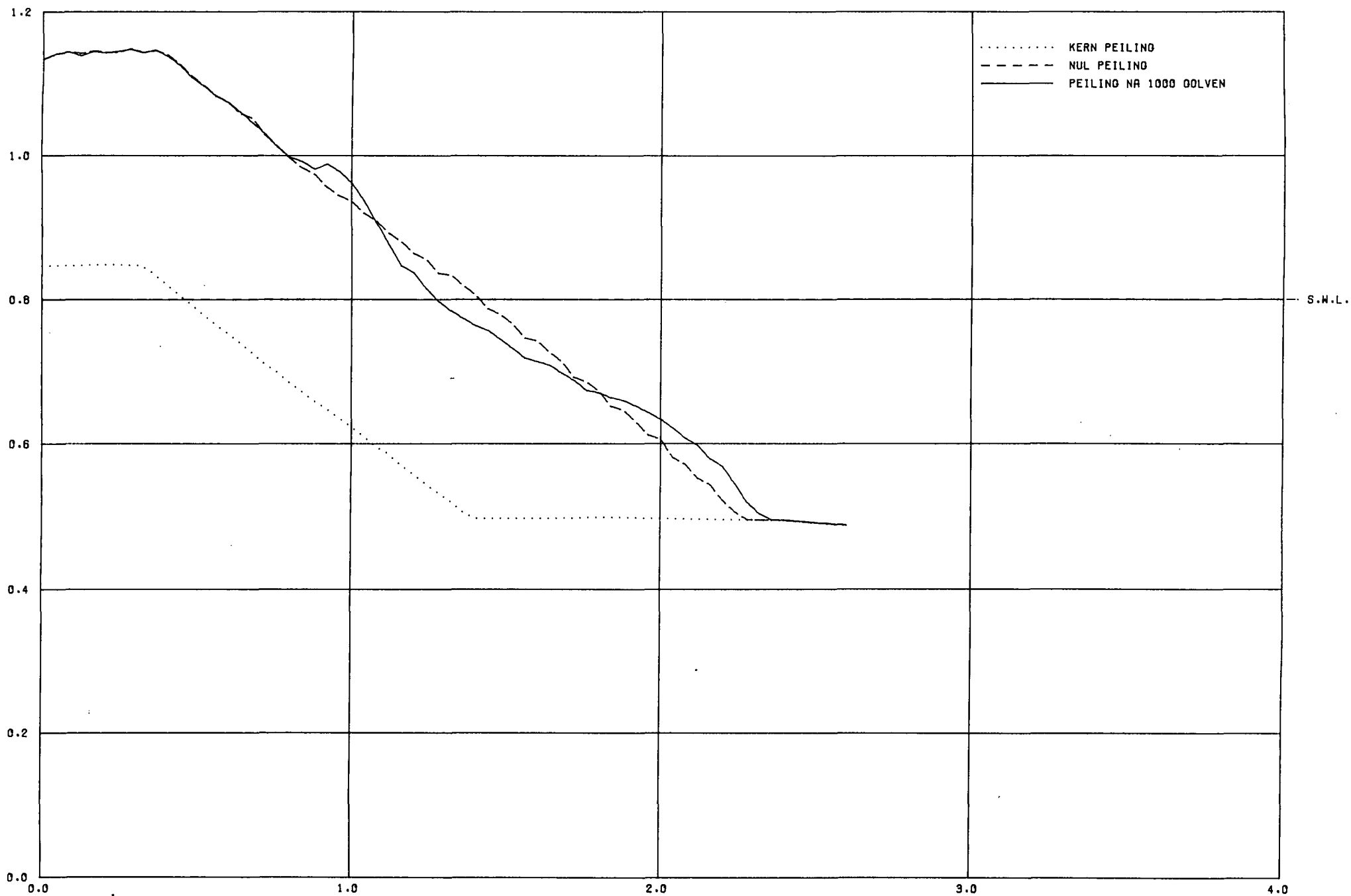
GEMIDDELTE PROFIELEN.

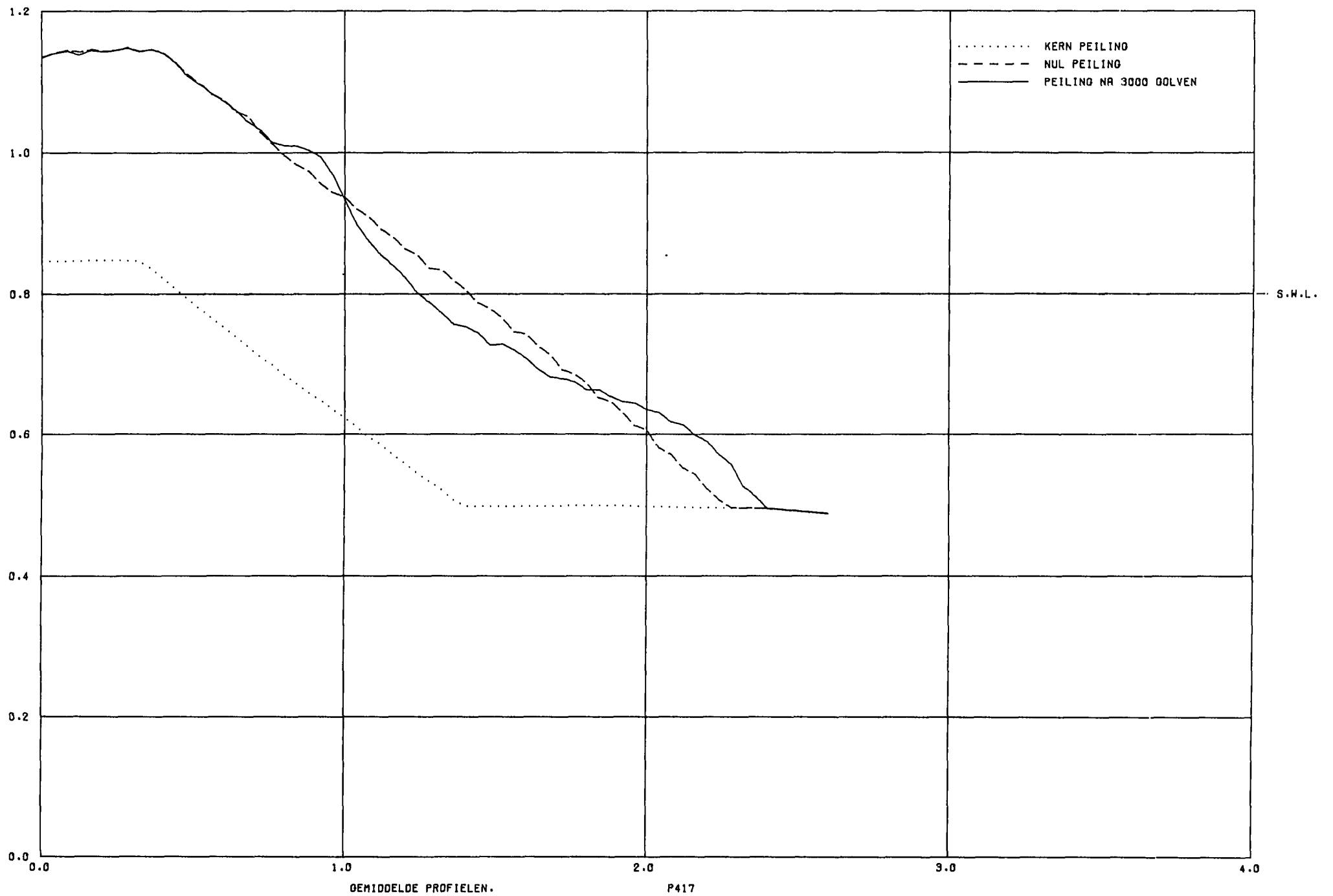
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OEMIDDELOE PROFIELEN.

P416

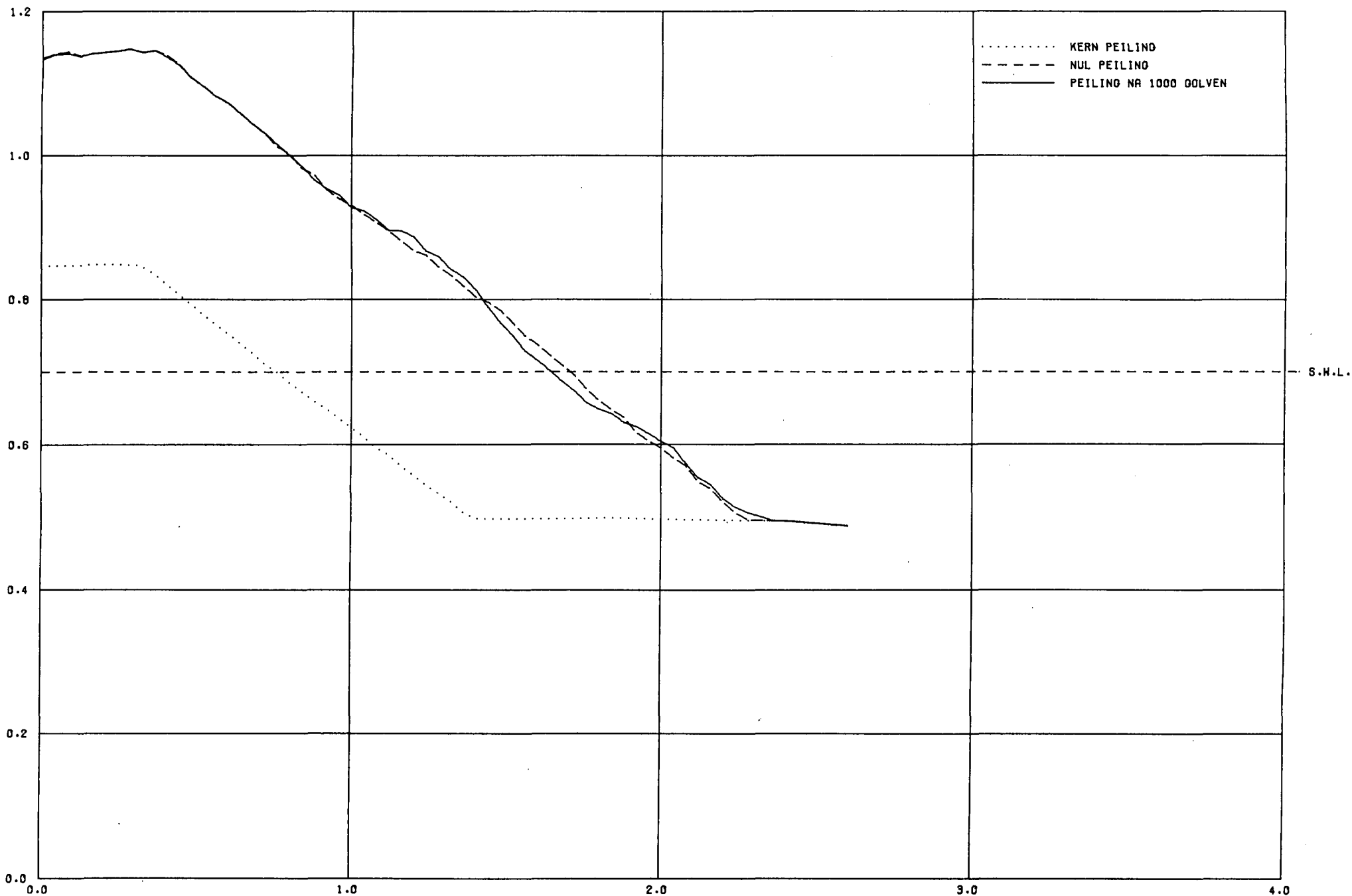


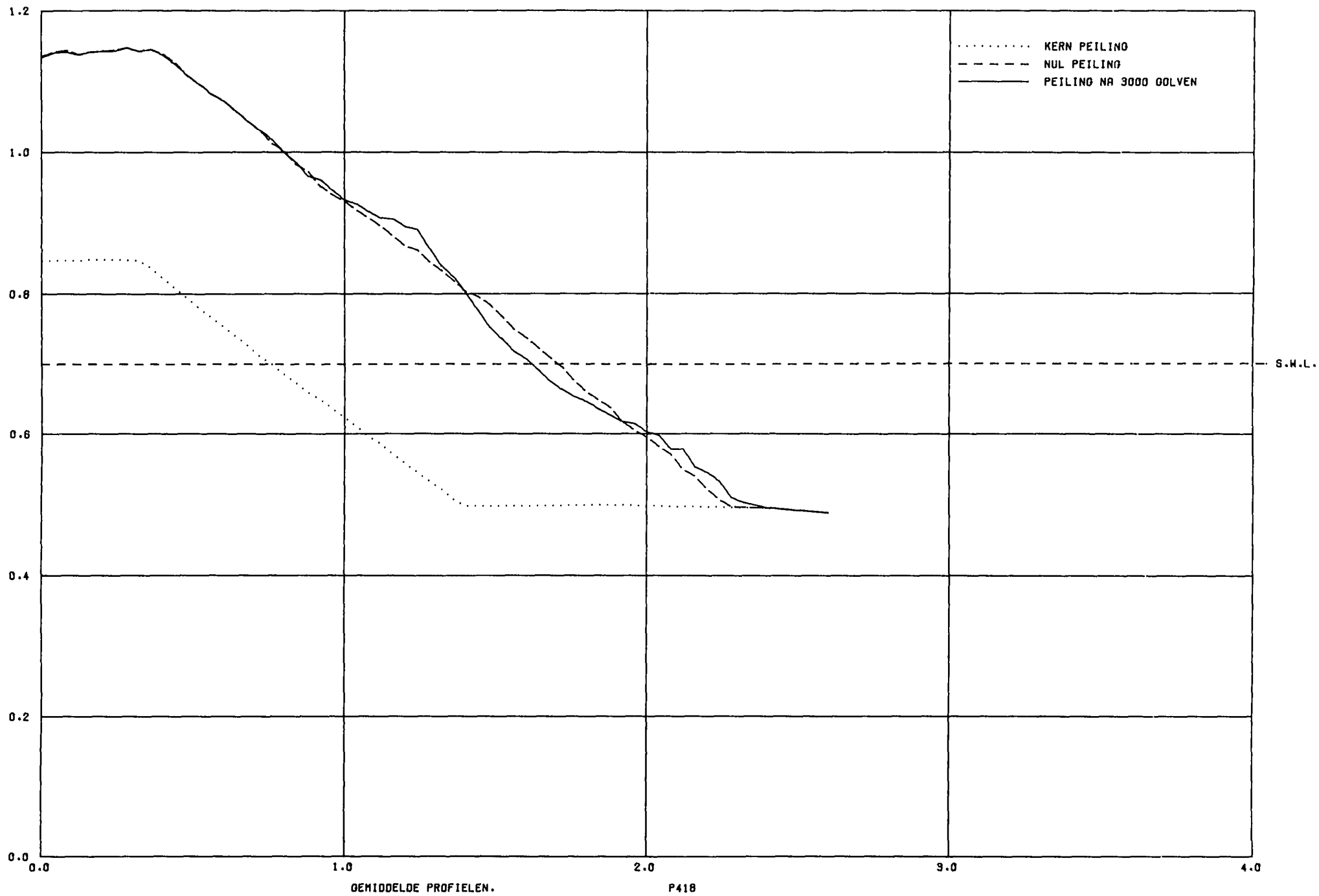


OEMIDDELDE PROFIELEN.

P417

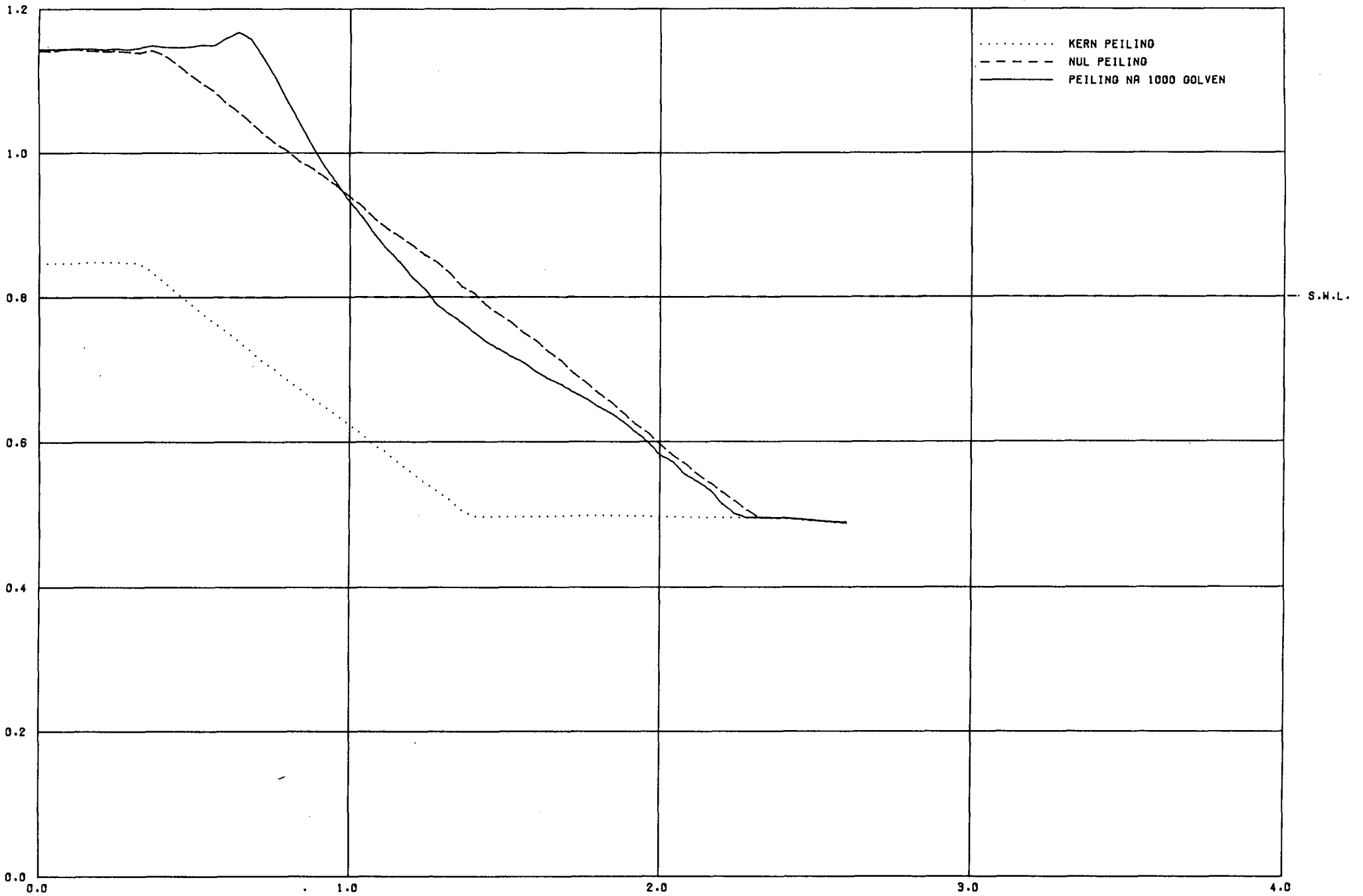






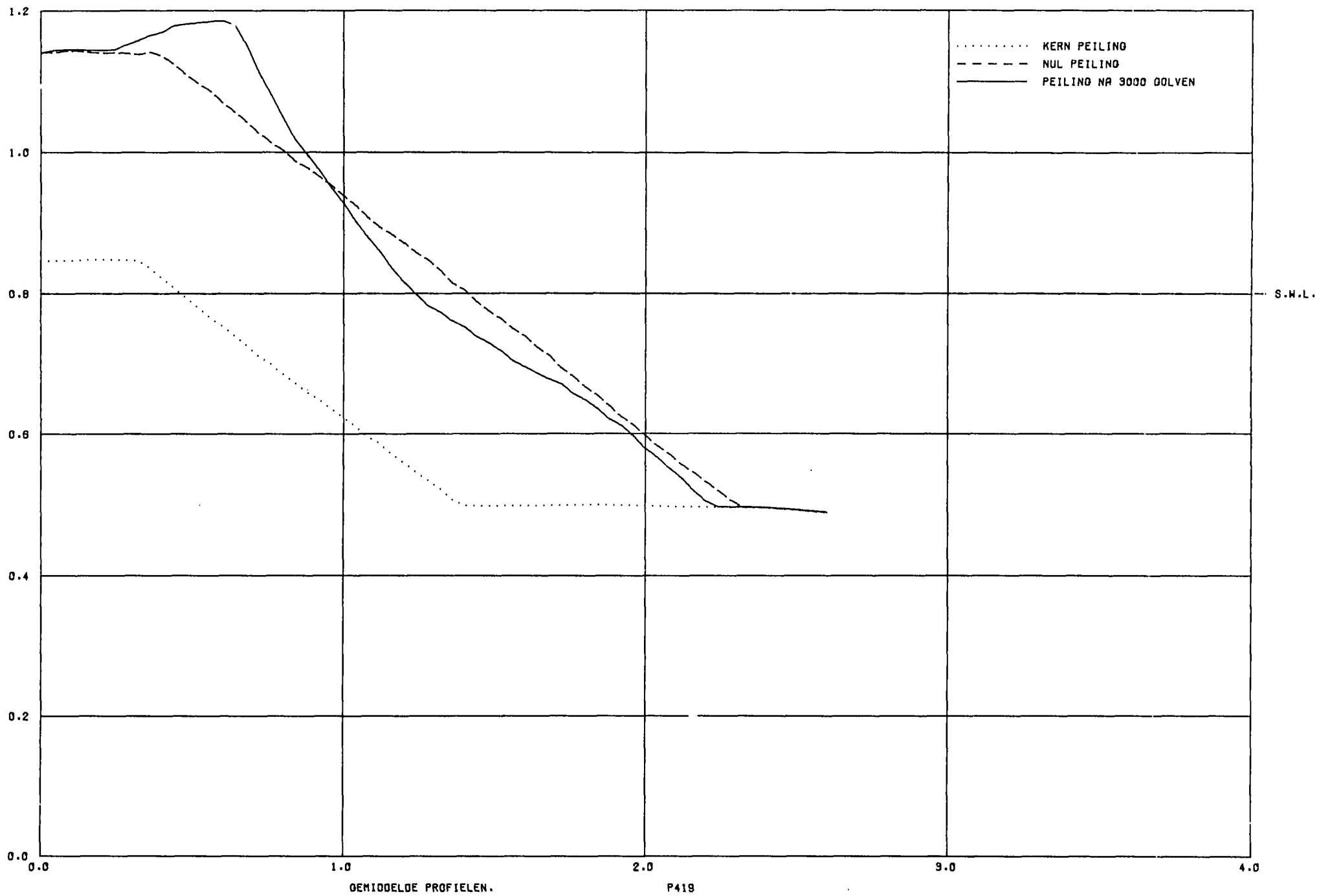
OEMIDDELE PROFIELN.

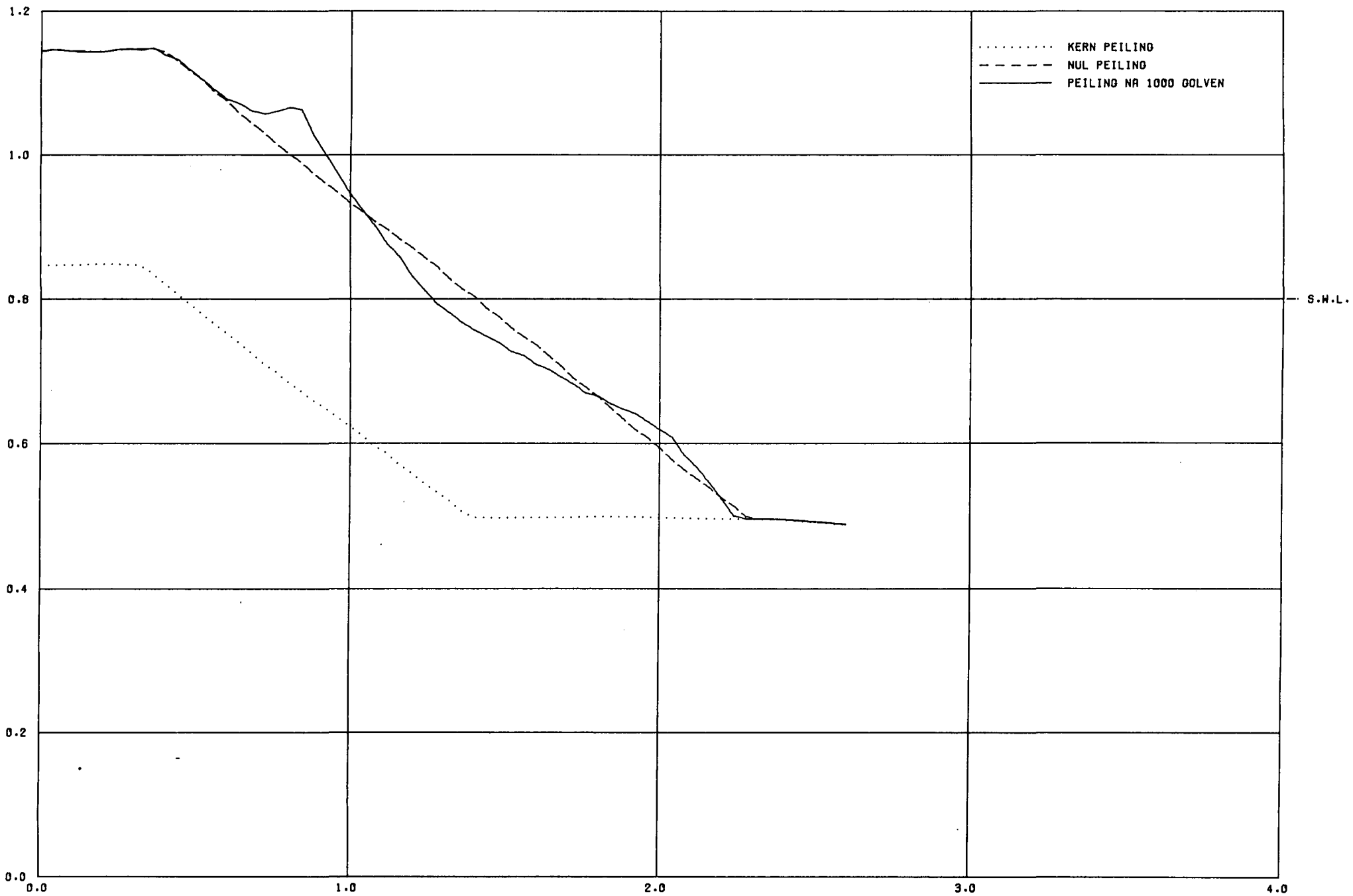
P418



GEHIDDELDE PROFIELEN.

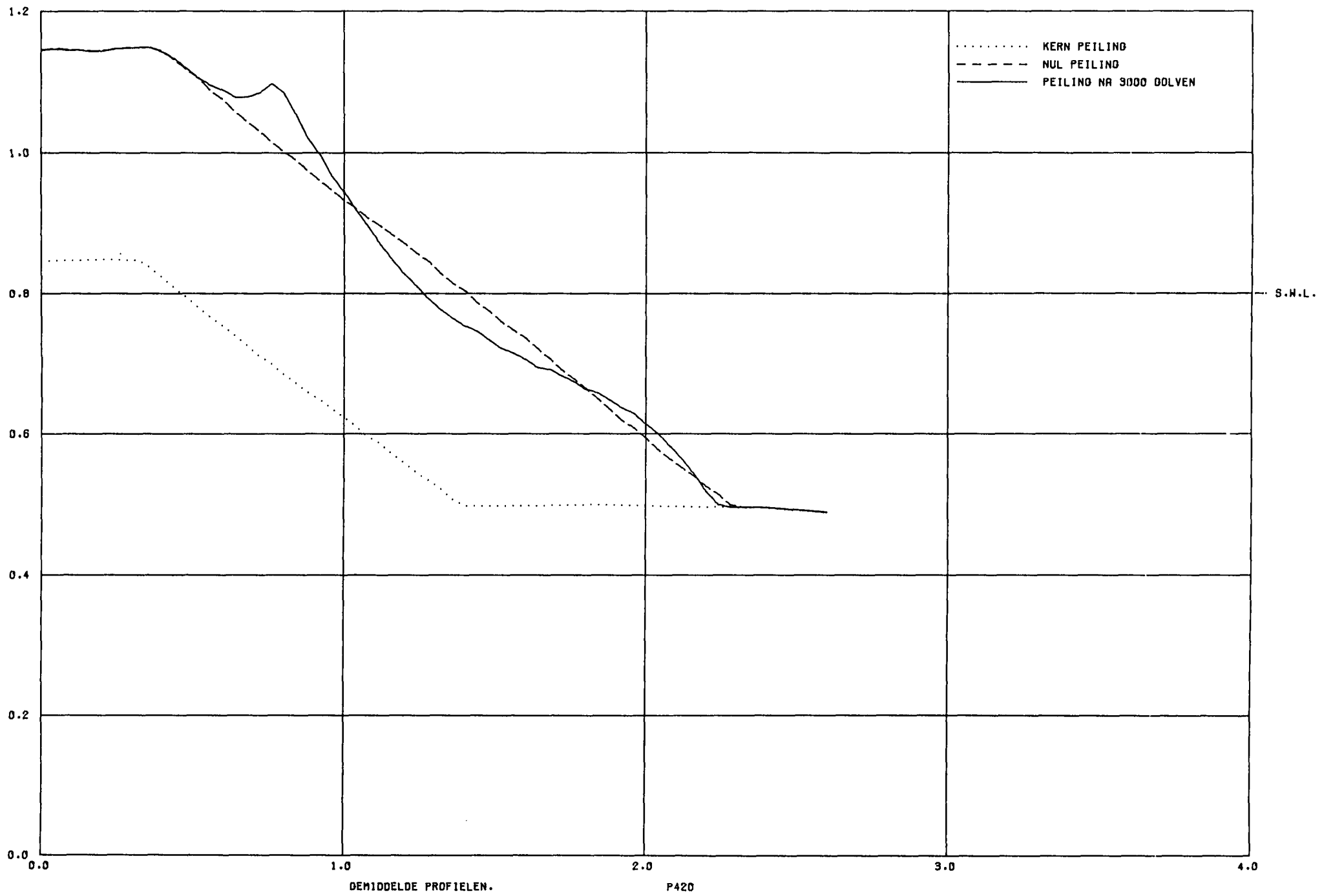
P419

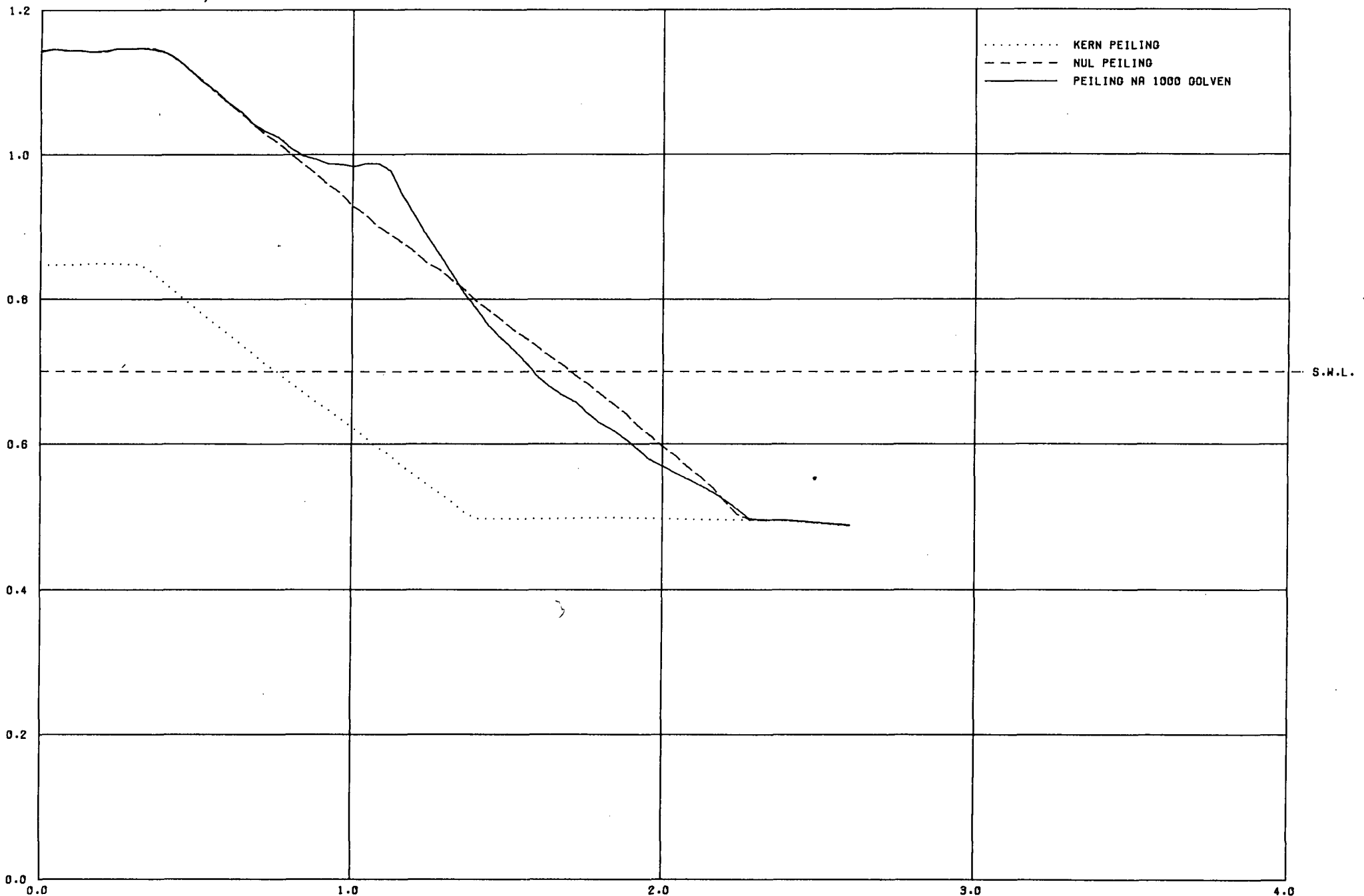


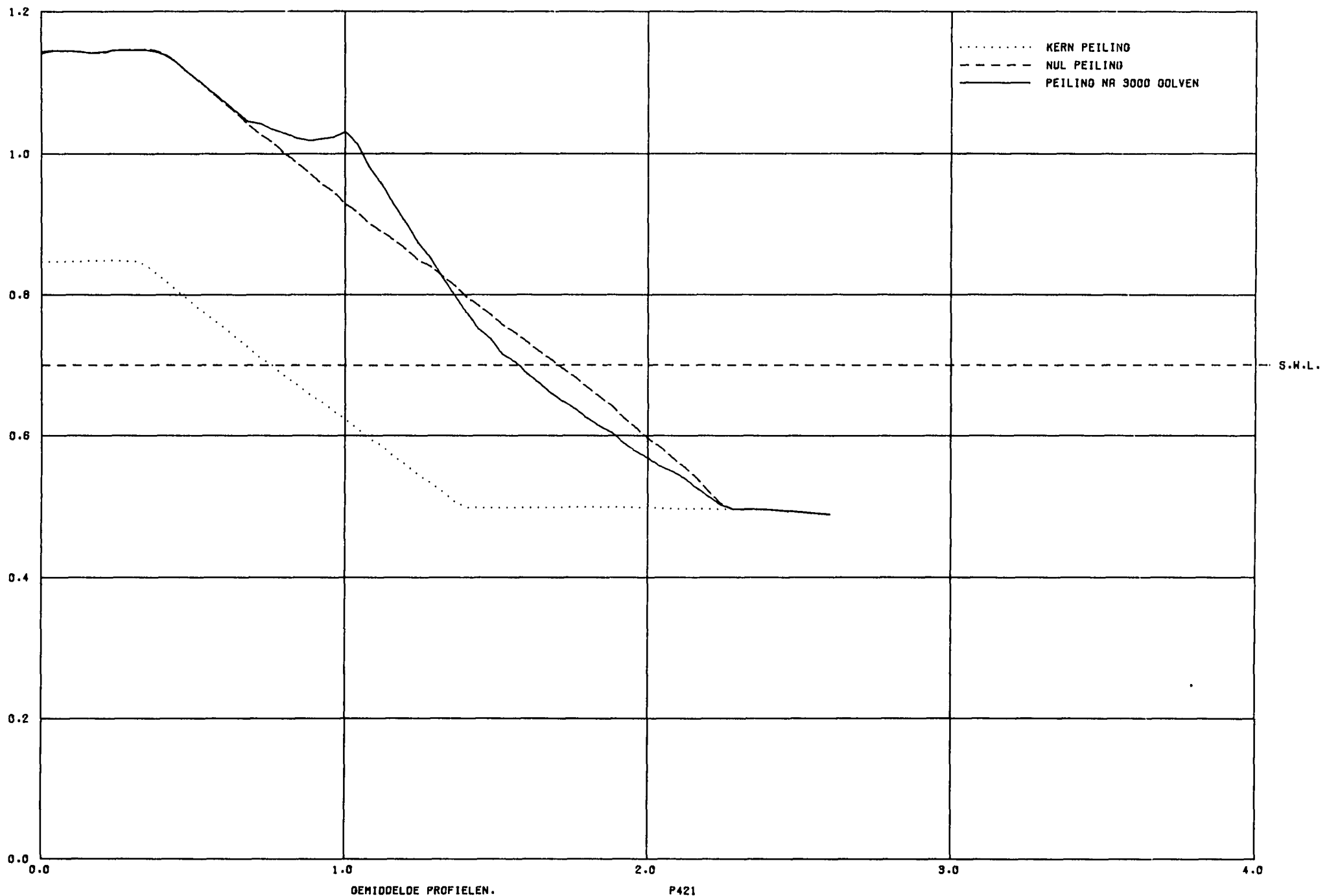


ØMIDDELDE PROFIELEN.

P420



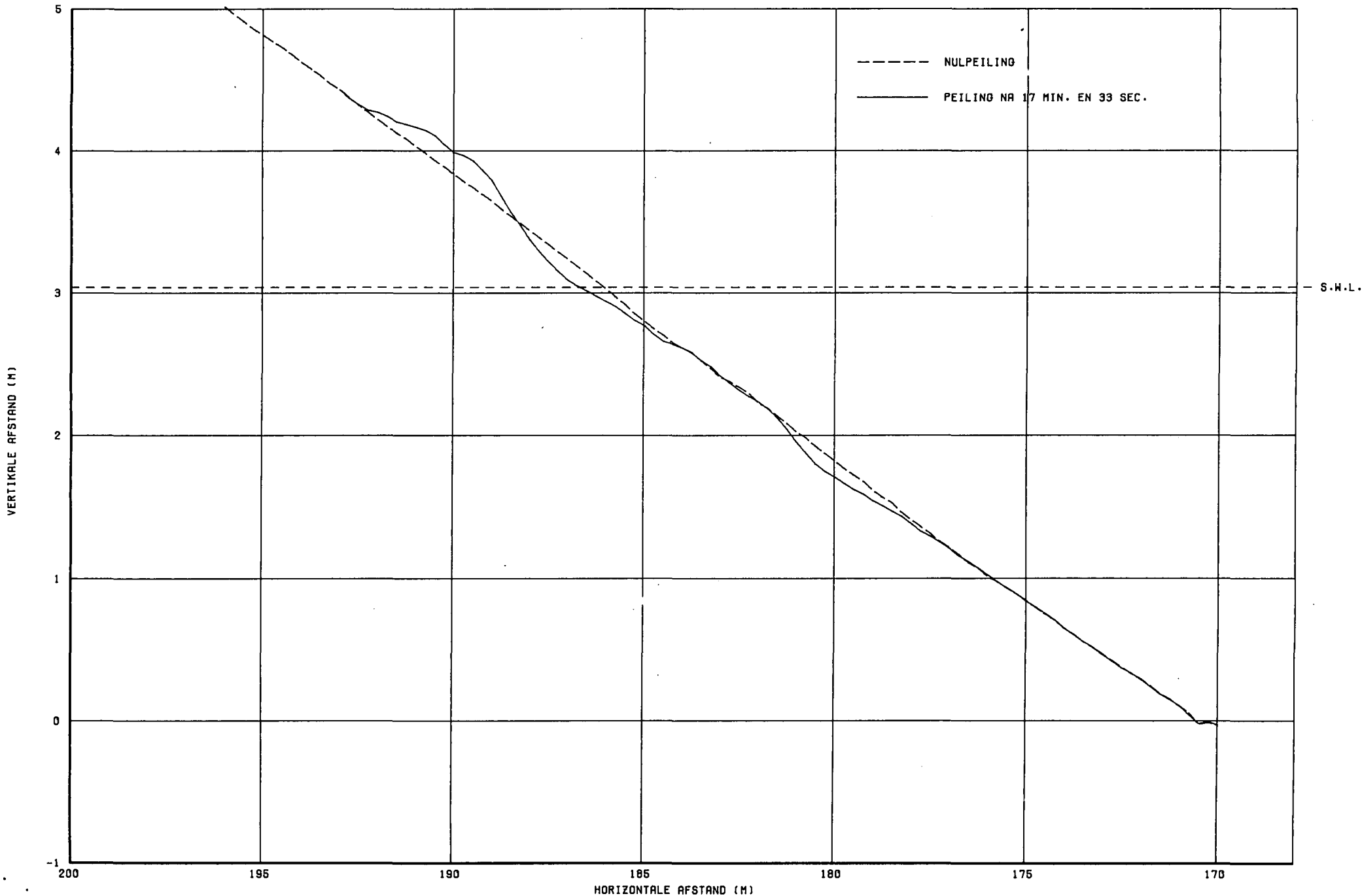




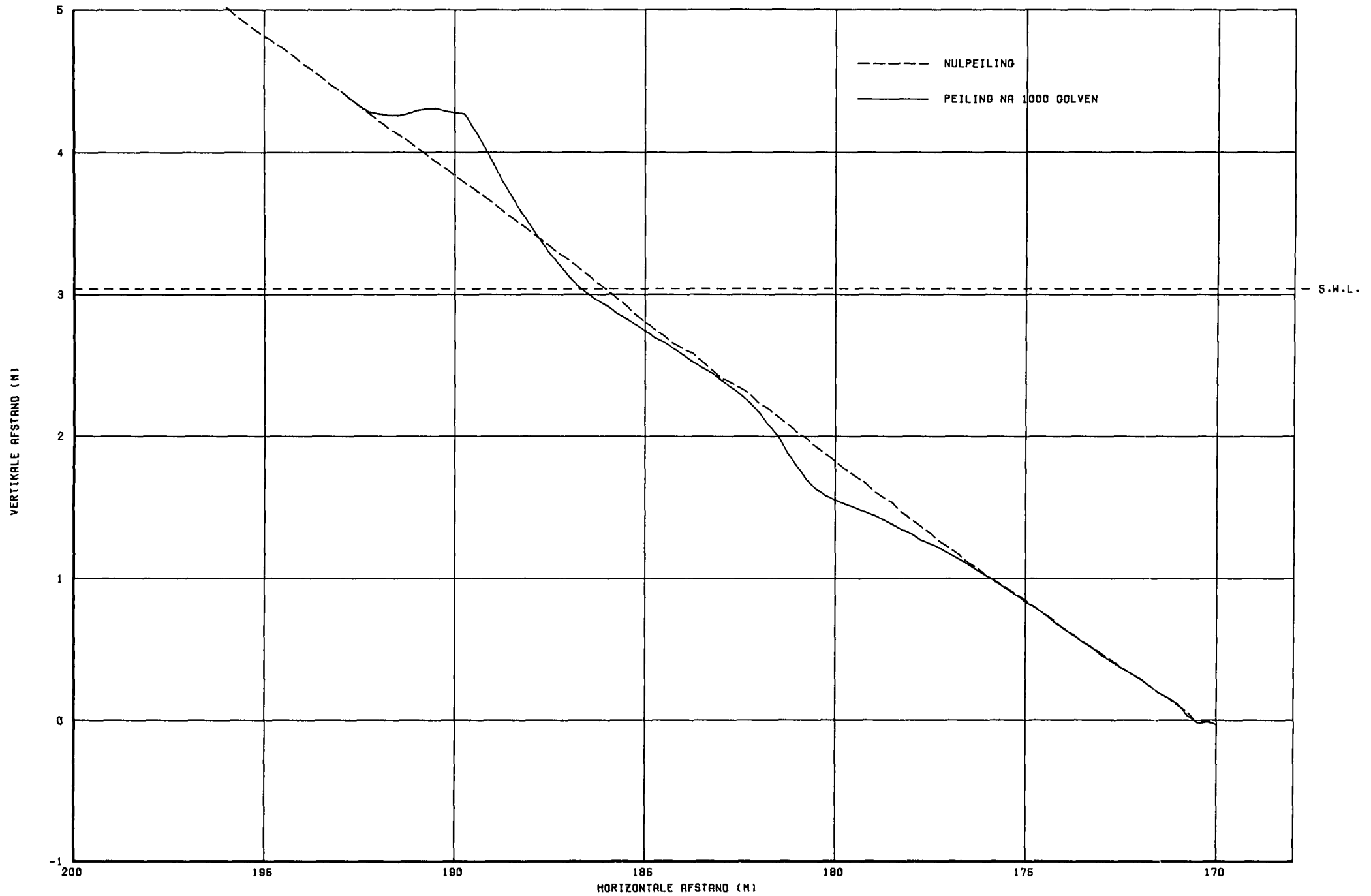
DEMIJDELOE PROFIELEN.

P421

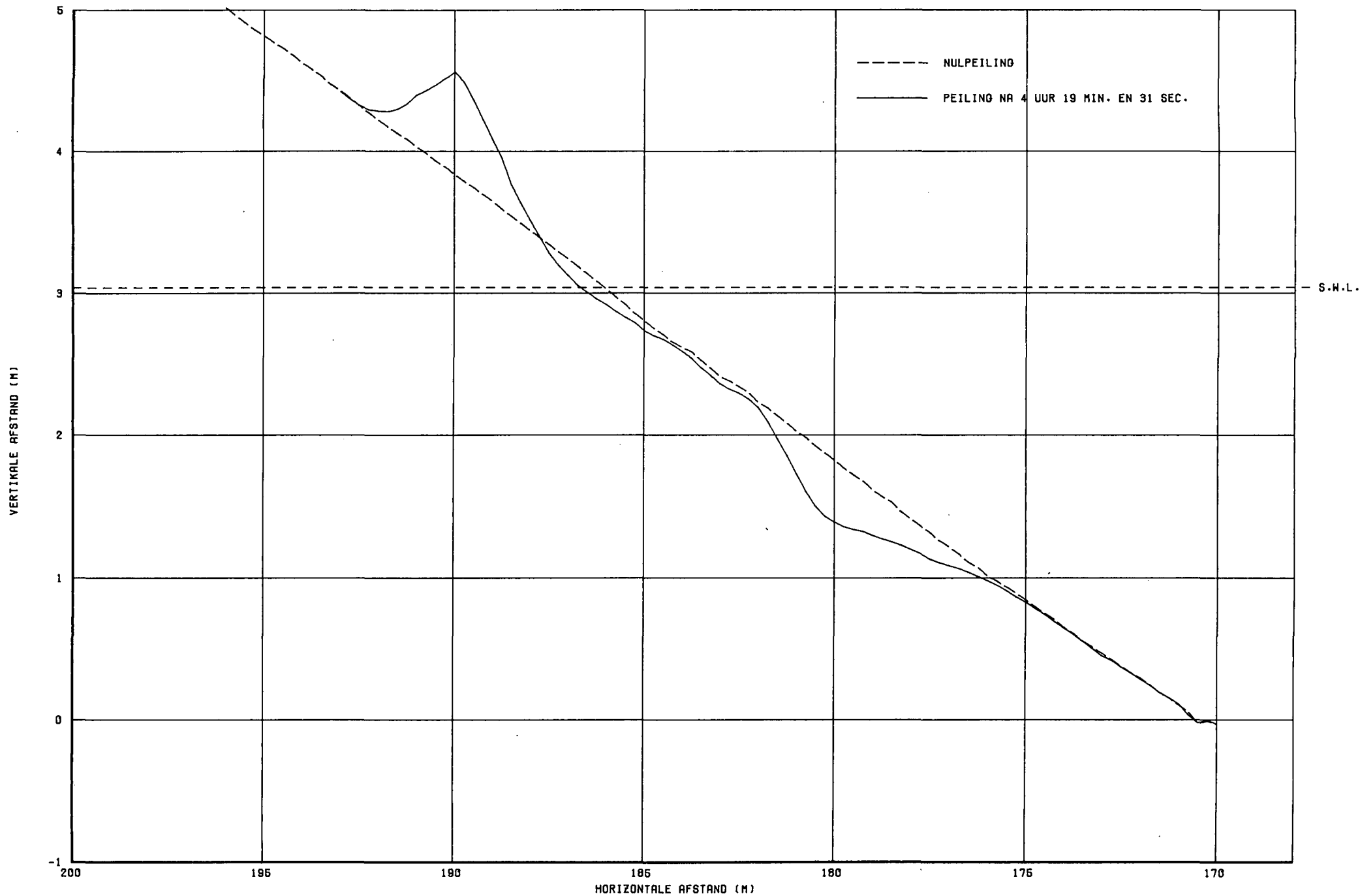




GEMIDDELDE PROFIELEN DELTAGOOT. P01 = P571

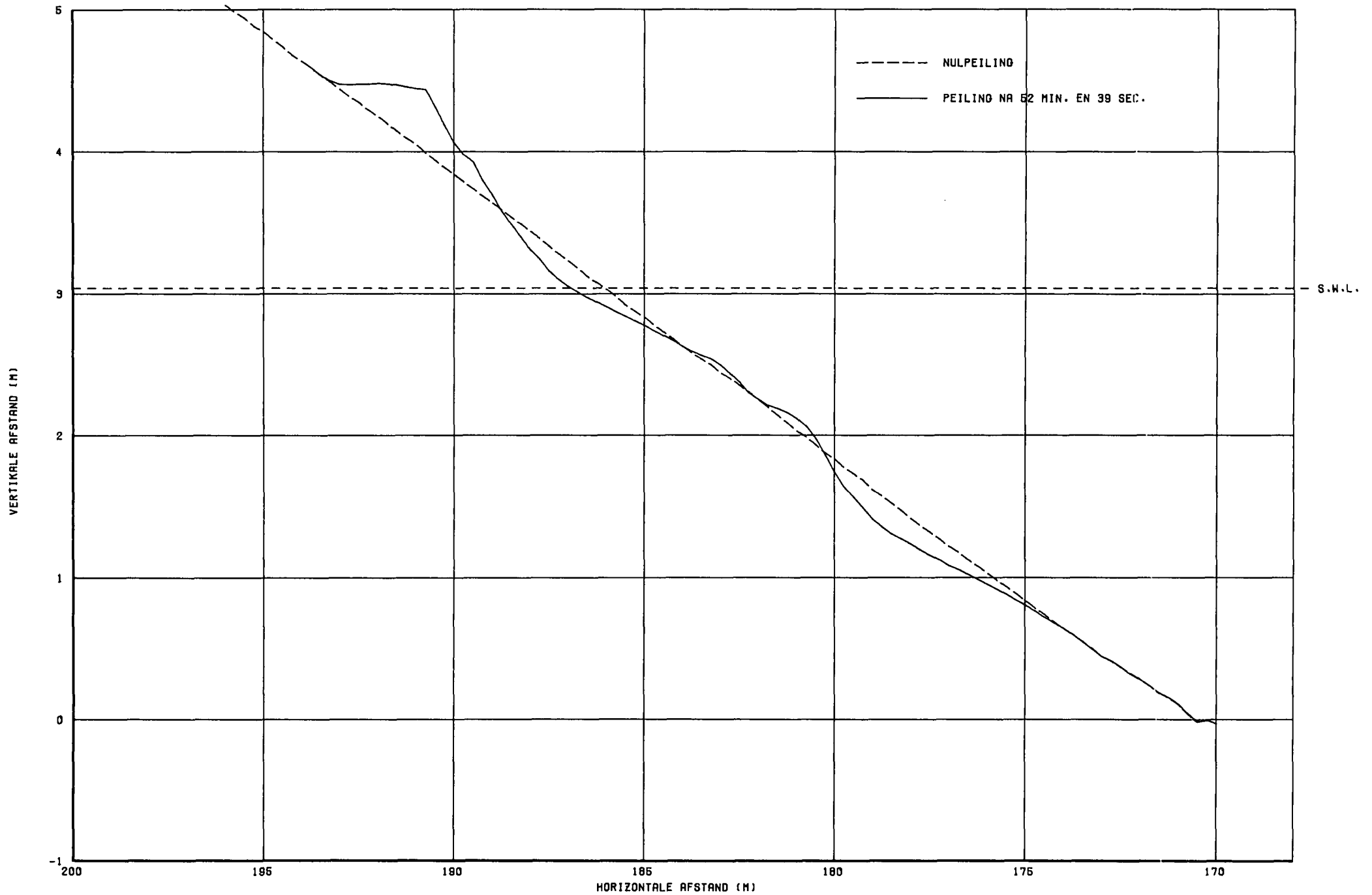


GEMIDDELDE PROFIELEN DELTAGOOT P01 = P571

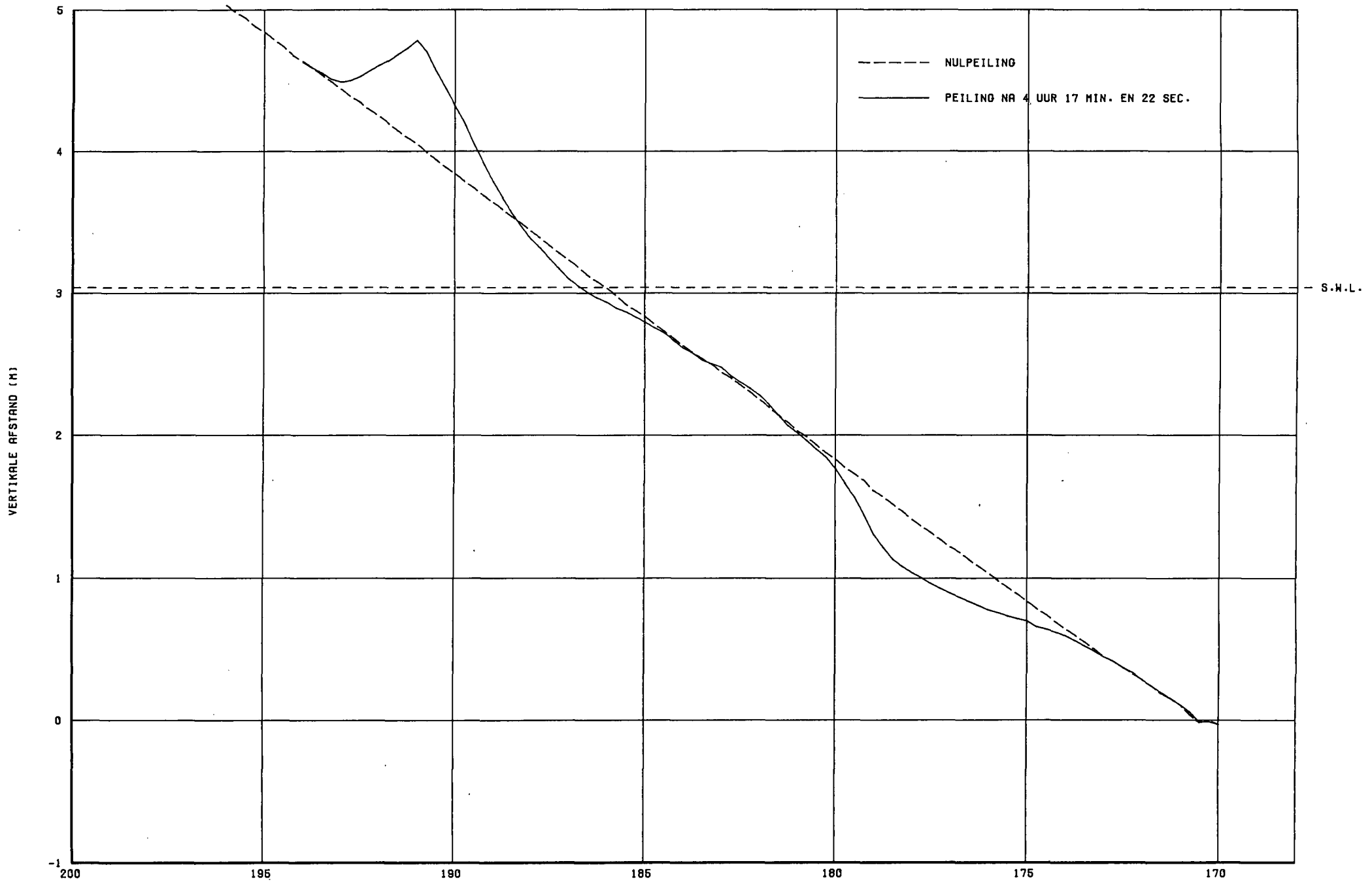


GEMIDDELDE PROFIELEN DELTAGOOT

P01 = P571

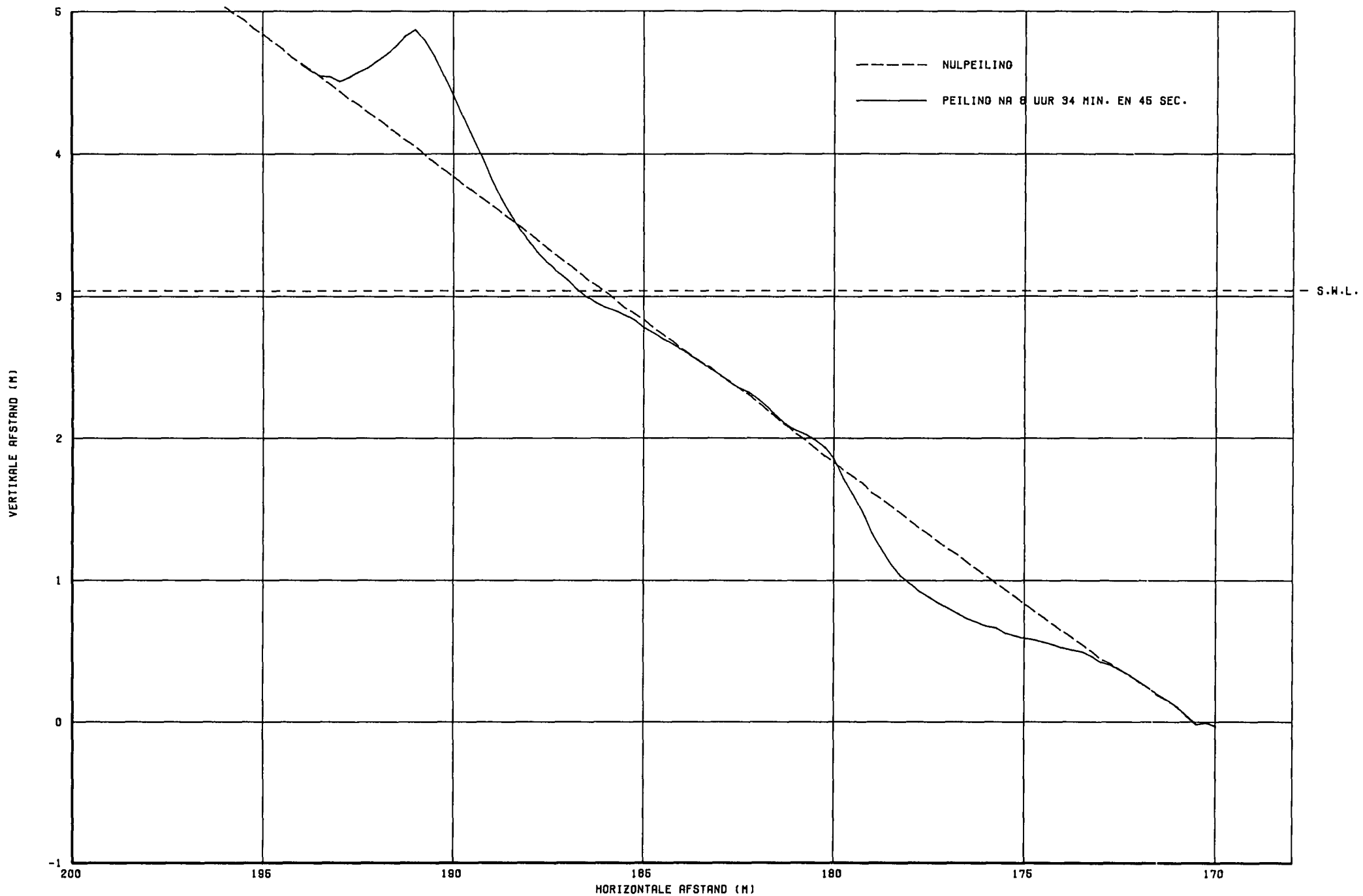


GEMIDDELDE PROFIELEN DELTAGOOT P02 = P572

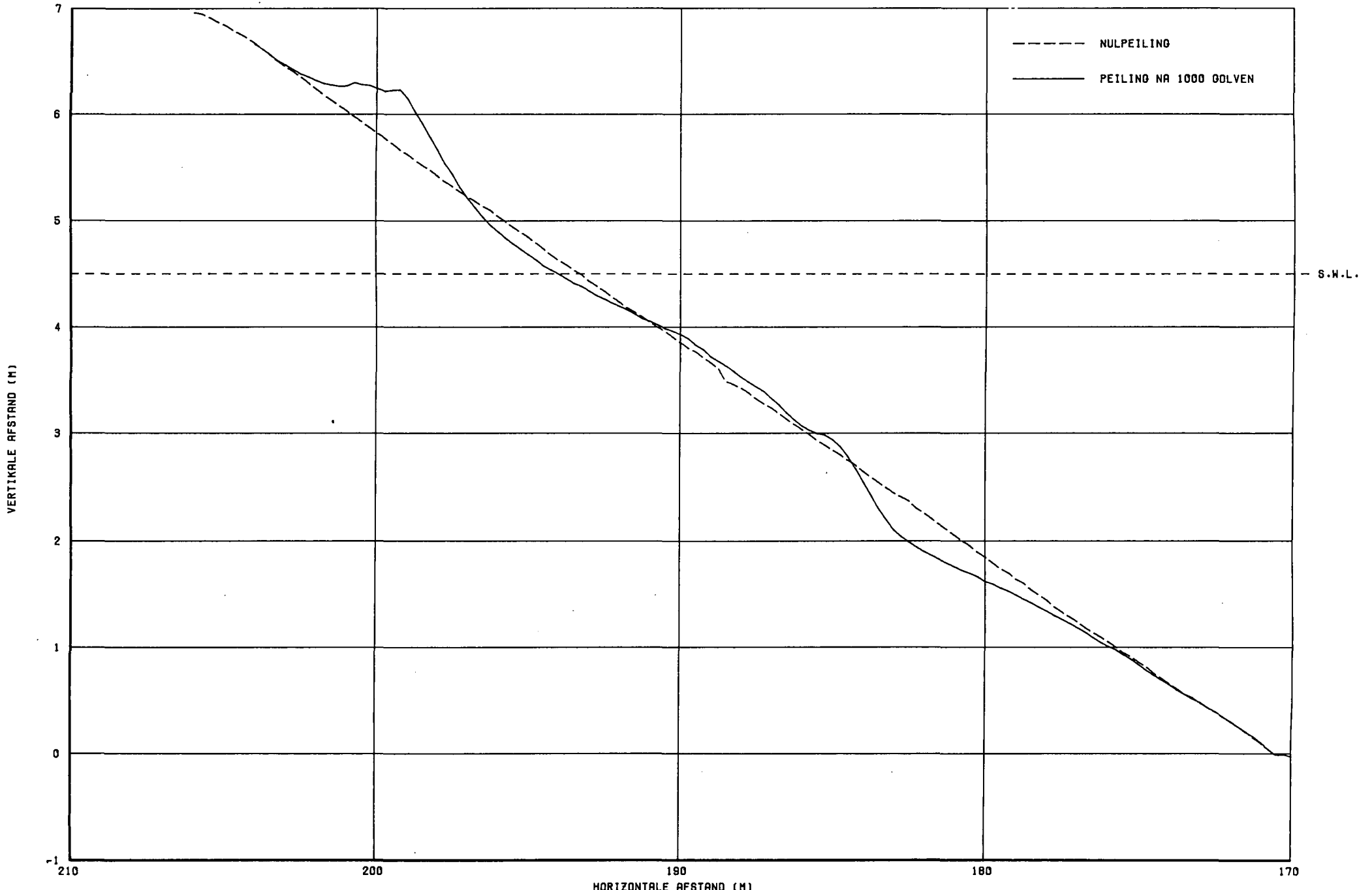


GEMIDDELDE PROFIELEN DELTAGOOT

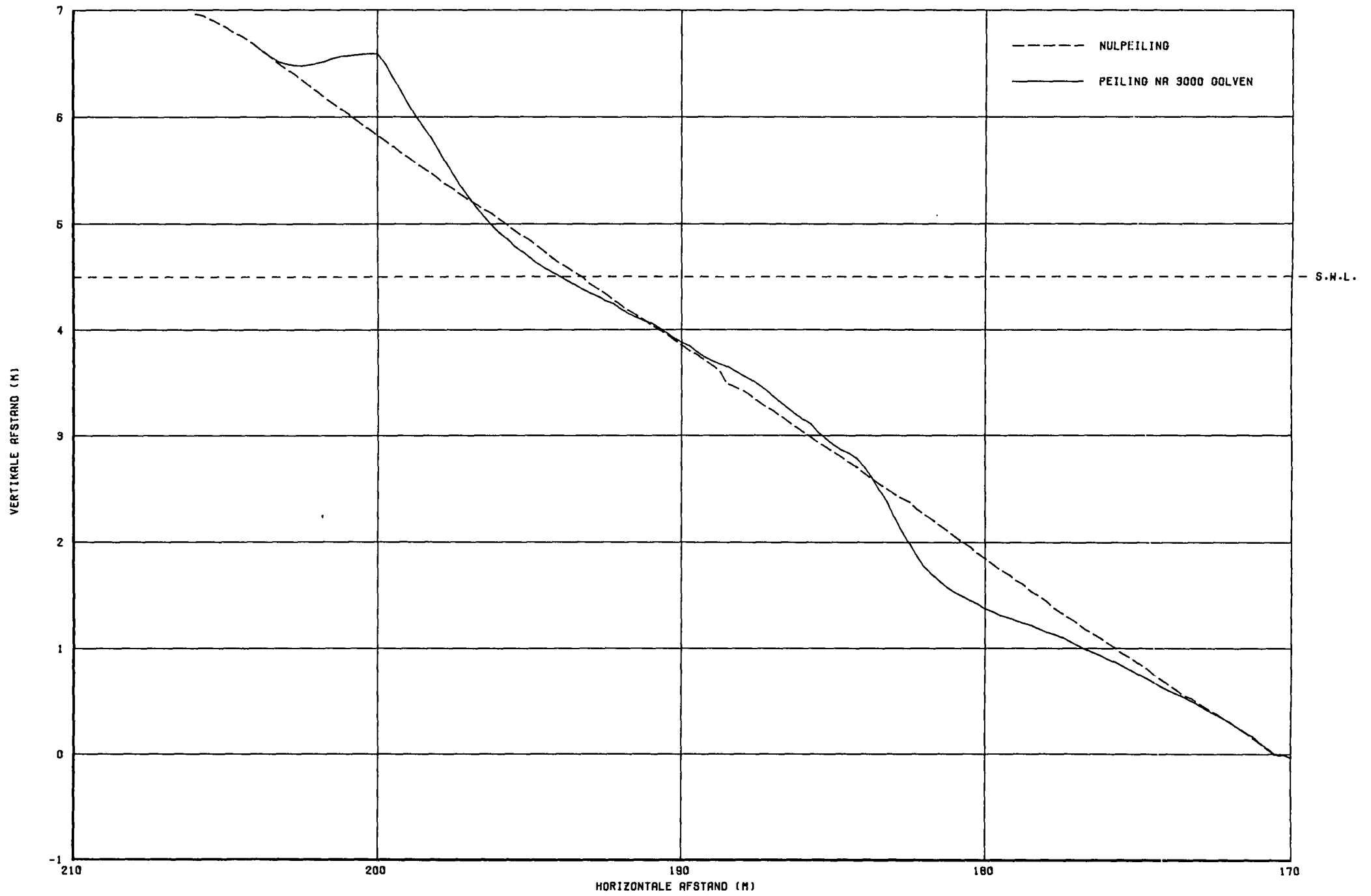
P02 = P572



GEMIDDELDE PROFIELEN DELTAGOOT P02 = P572



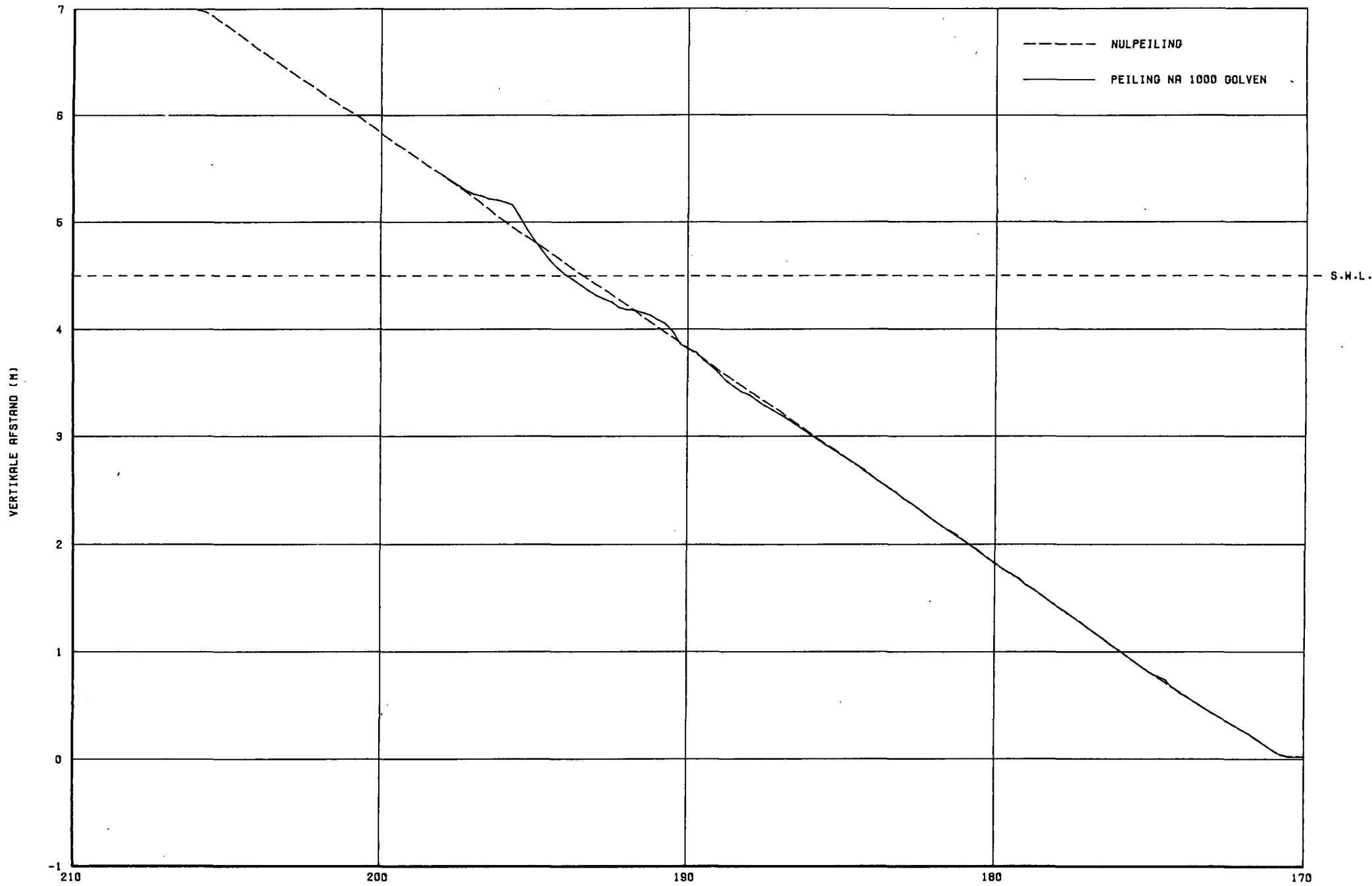
GEMIDDELDE PROFIELEN DELTAGOOT P03 = 9803



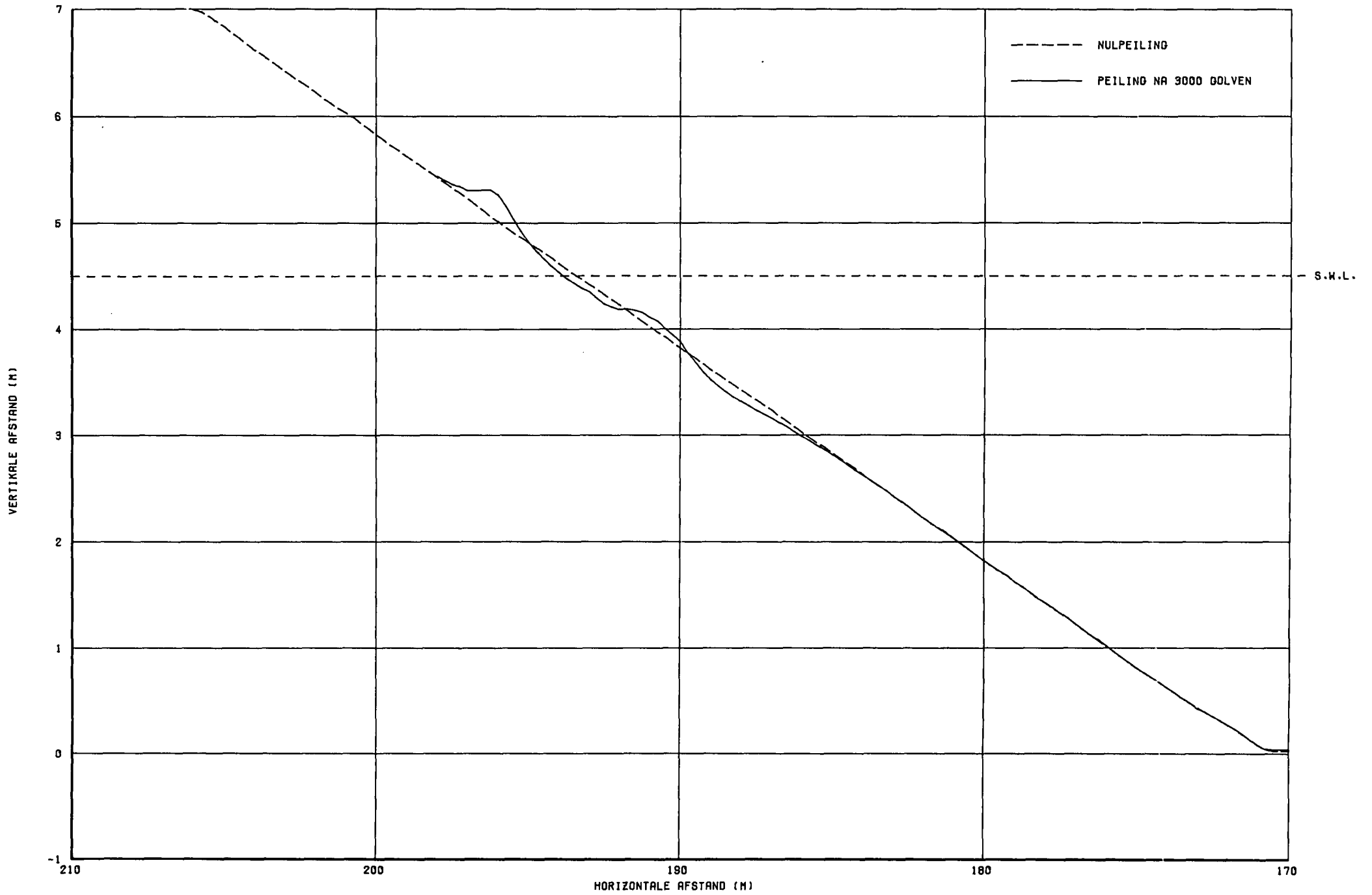
GEMIDDELDE PROFIELEN DELTAGOOT

P03 = P803



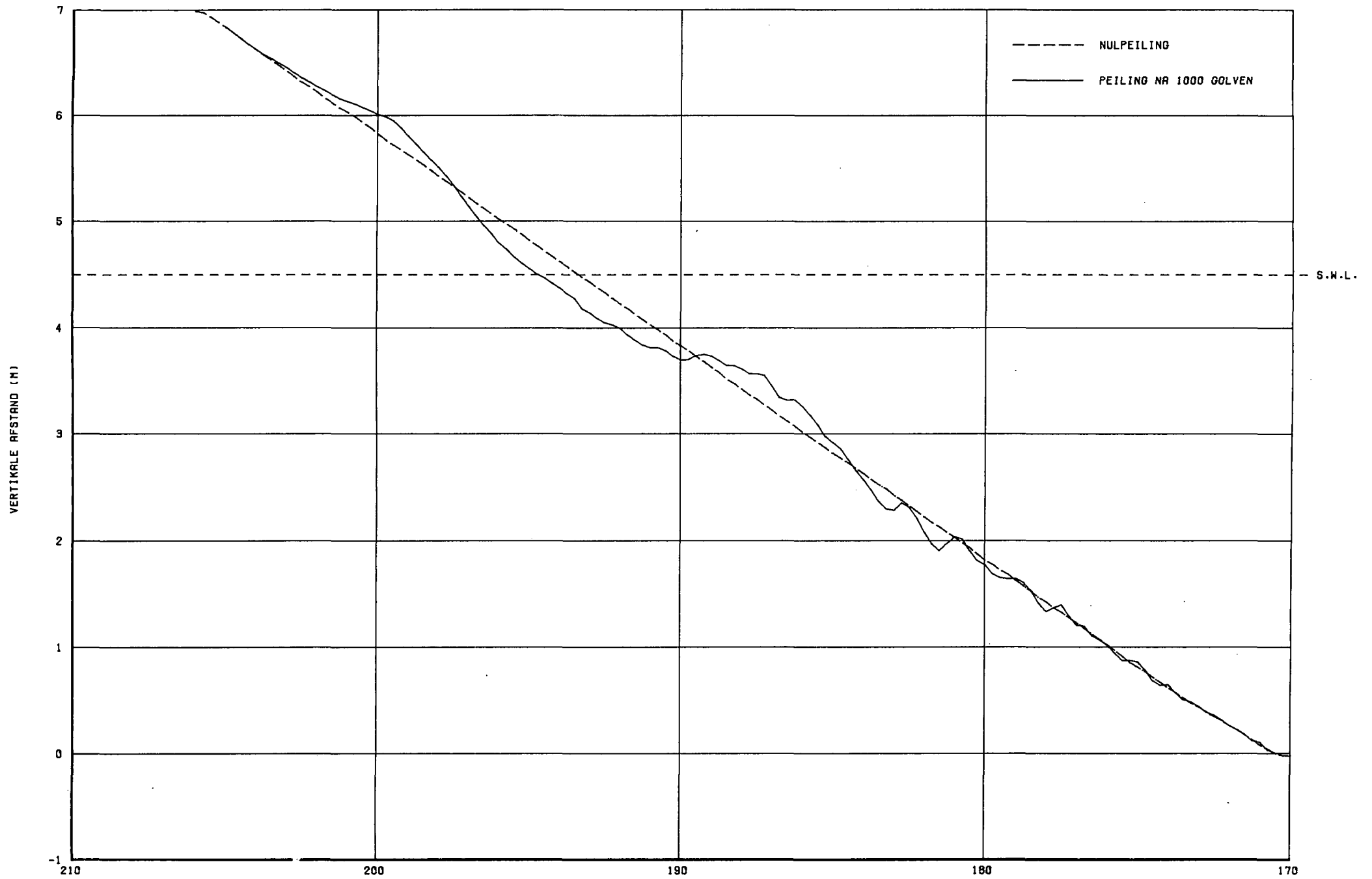


GEMIDDELTE PROFIELEN DELTAGOOT P04 = 9804

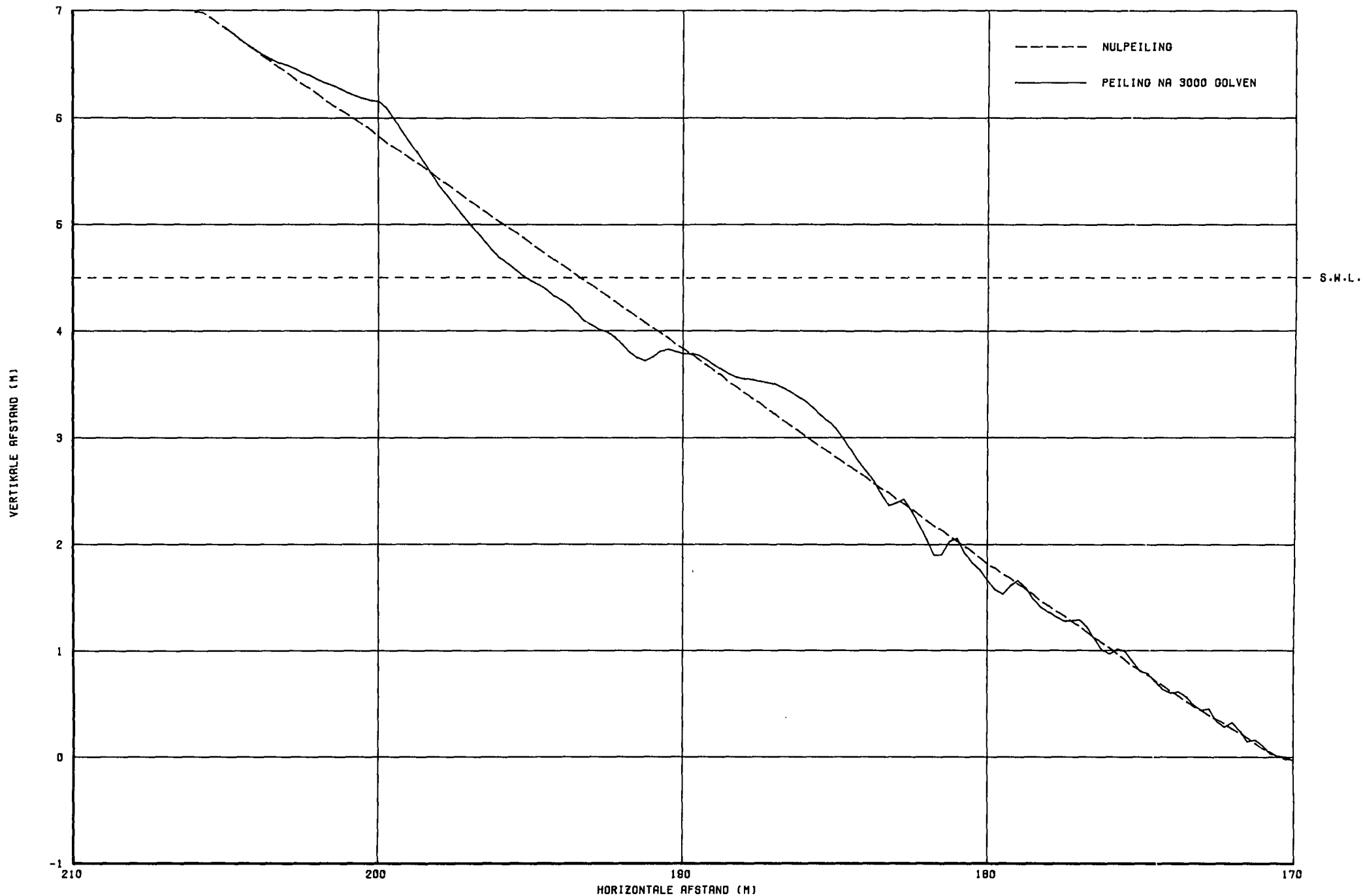


GEMIDDELDE PROFIELEN DELTAGOOT

P04 = P804

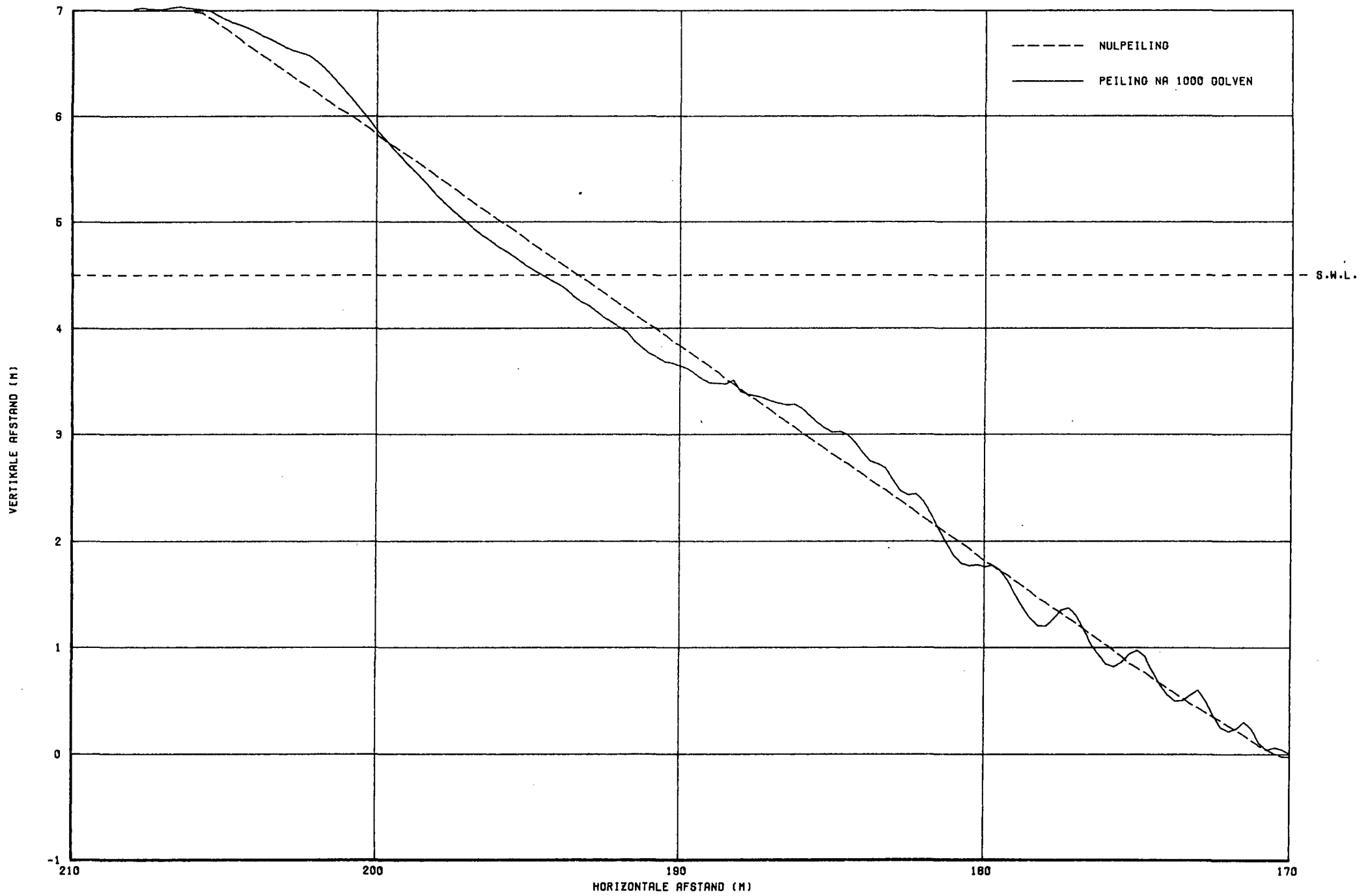


GEMIDDELTE PROFIELEN DELTAGOOT P05 = P805

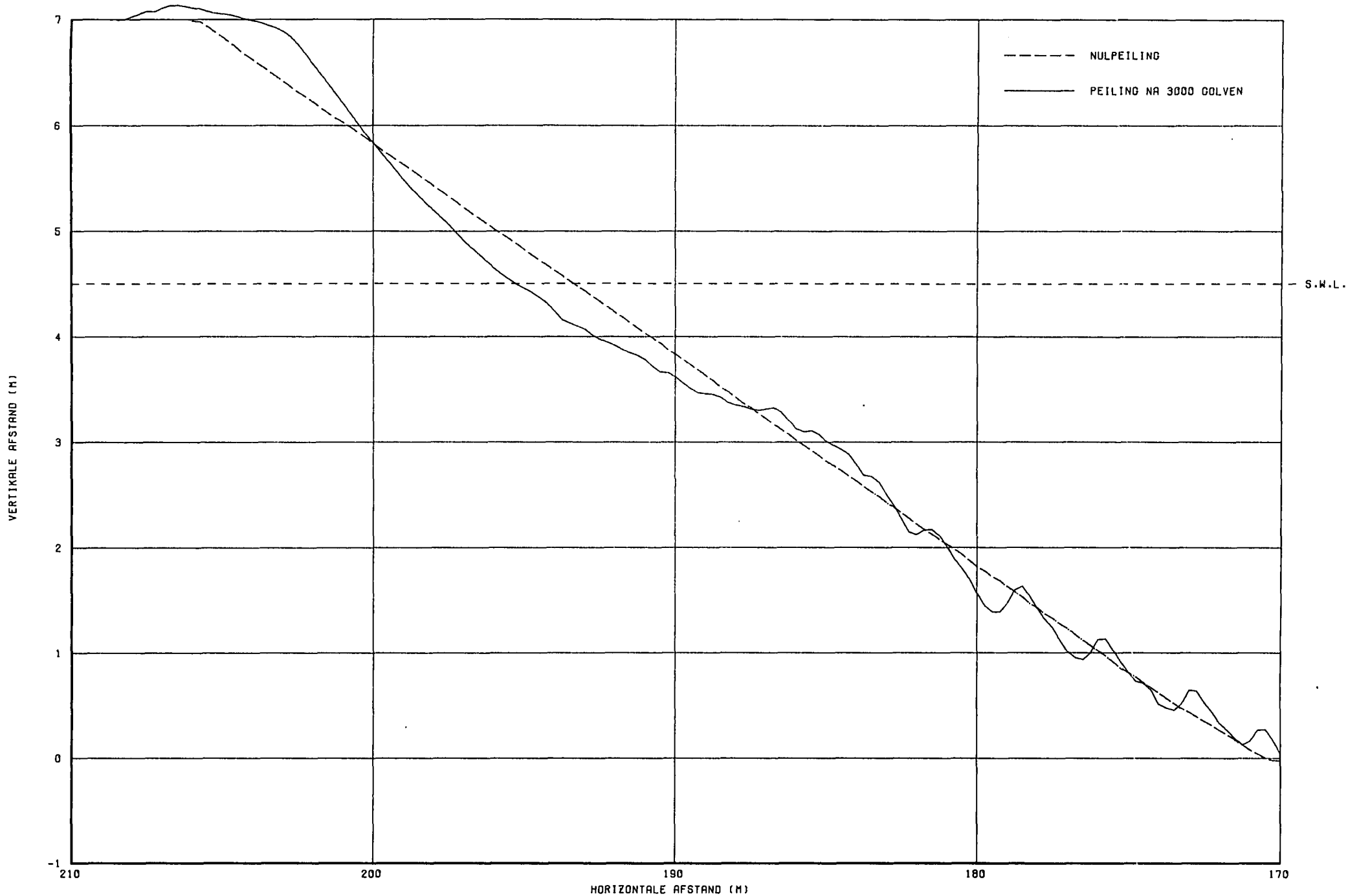


GEMIDDELDE PROFIELEN DELTAGOOT

POS = P805

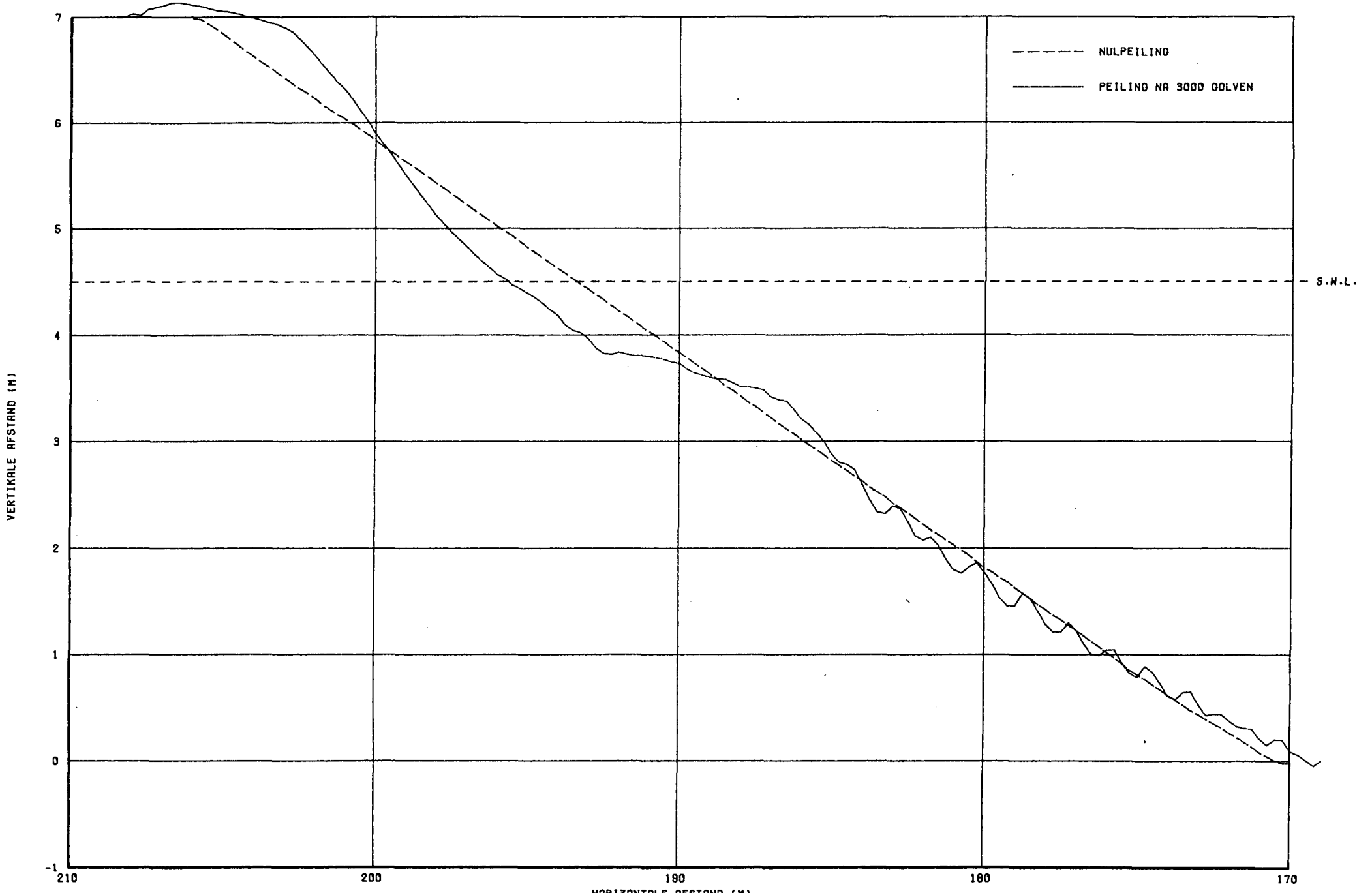


GEMIDDELTE PROFIELEN DELTAGOOT P06 = P806

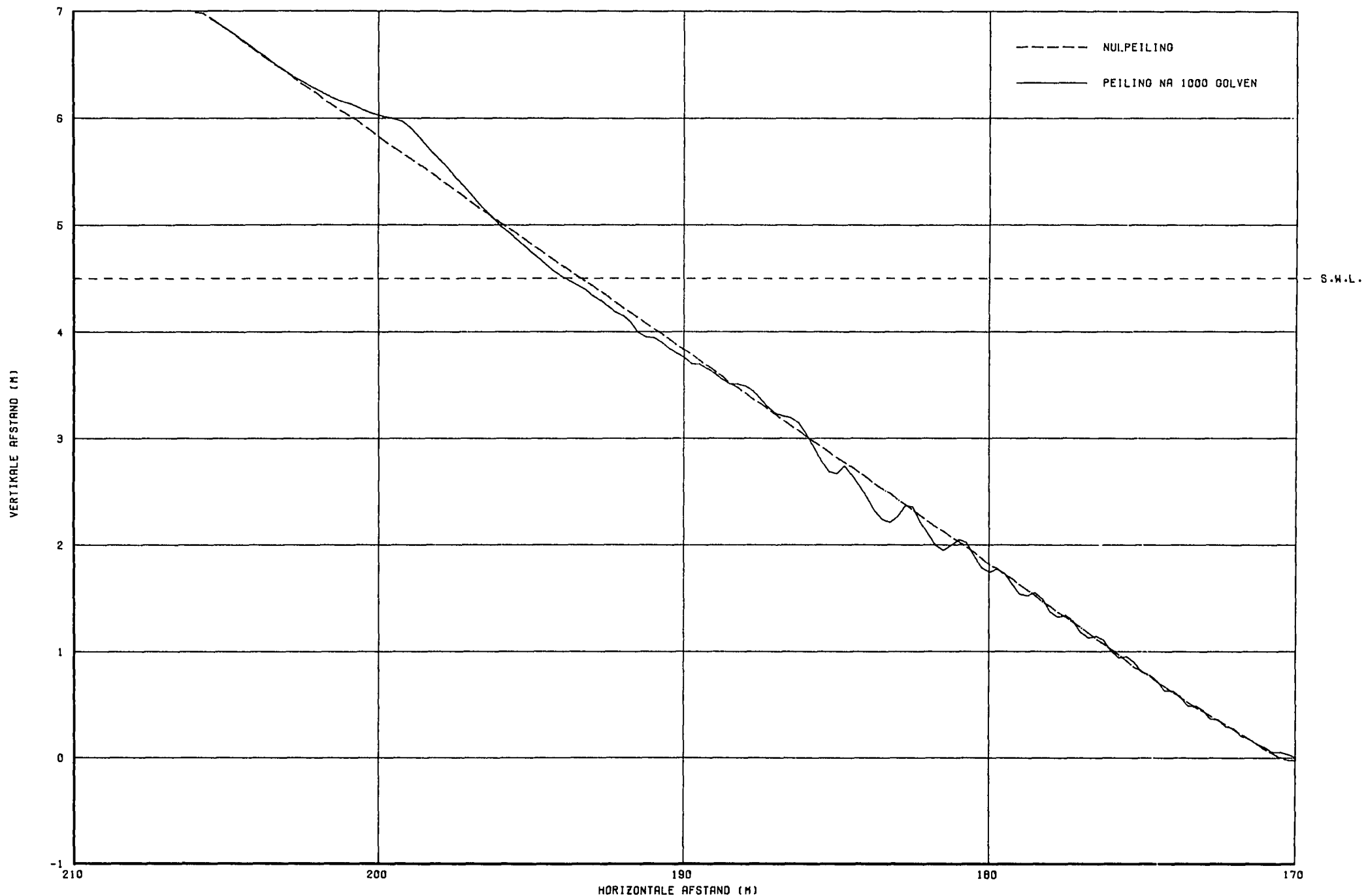


GEMIDDELDE PROFIELEN DELTAGOOT

P06 > P806



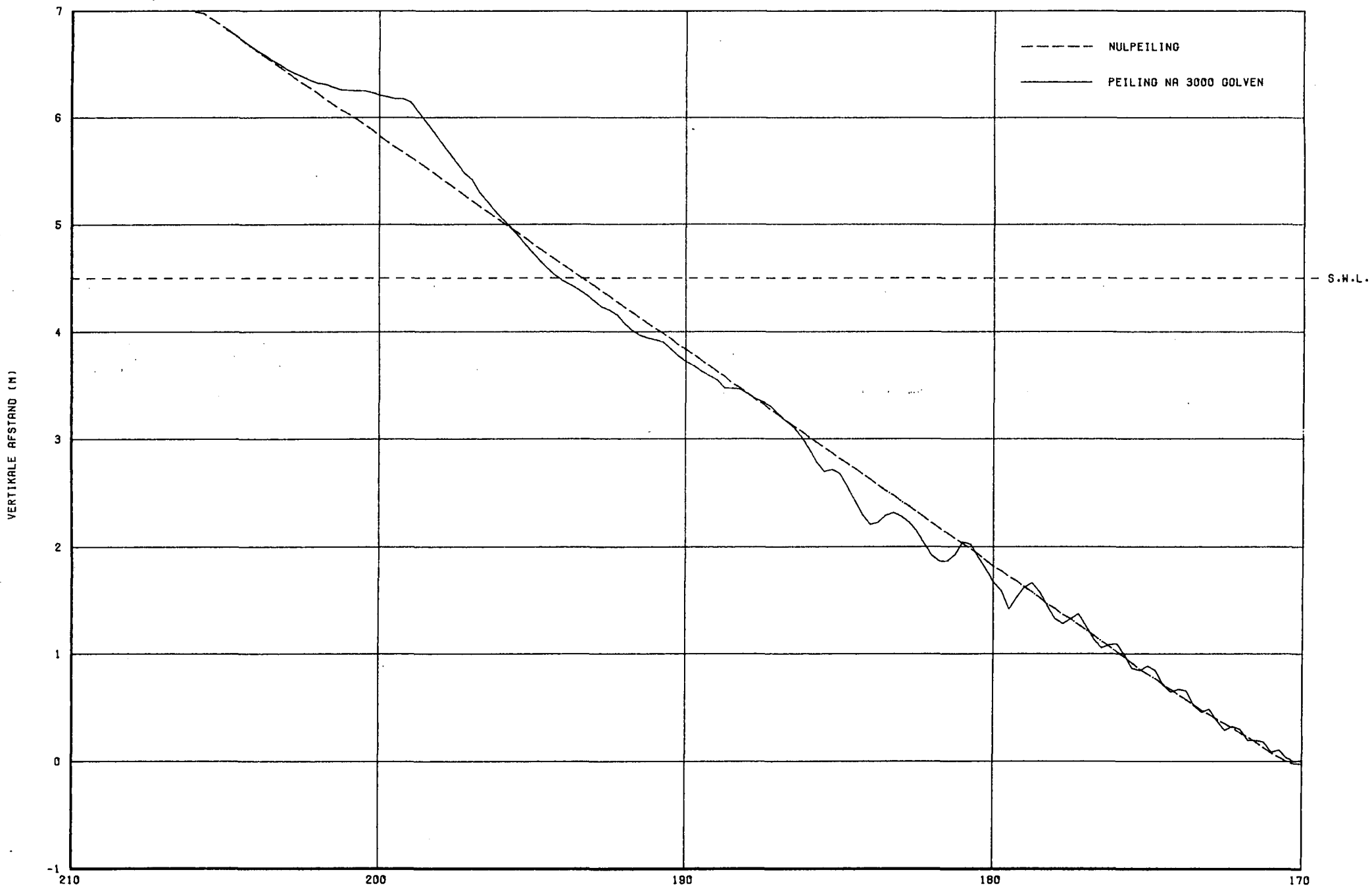
GEMIDDELDE PROFIELEN DELTAGOOT P07 = P807



GEMIDDELDE PROFIELEN DELTAGOOT

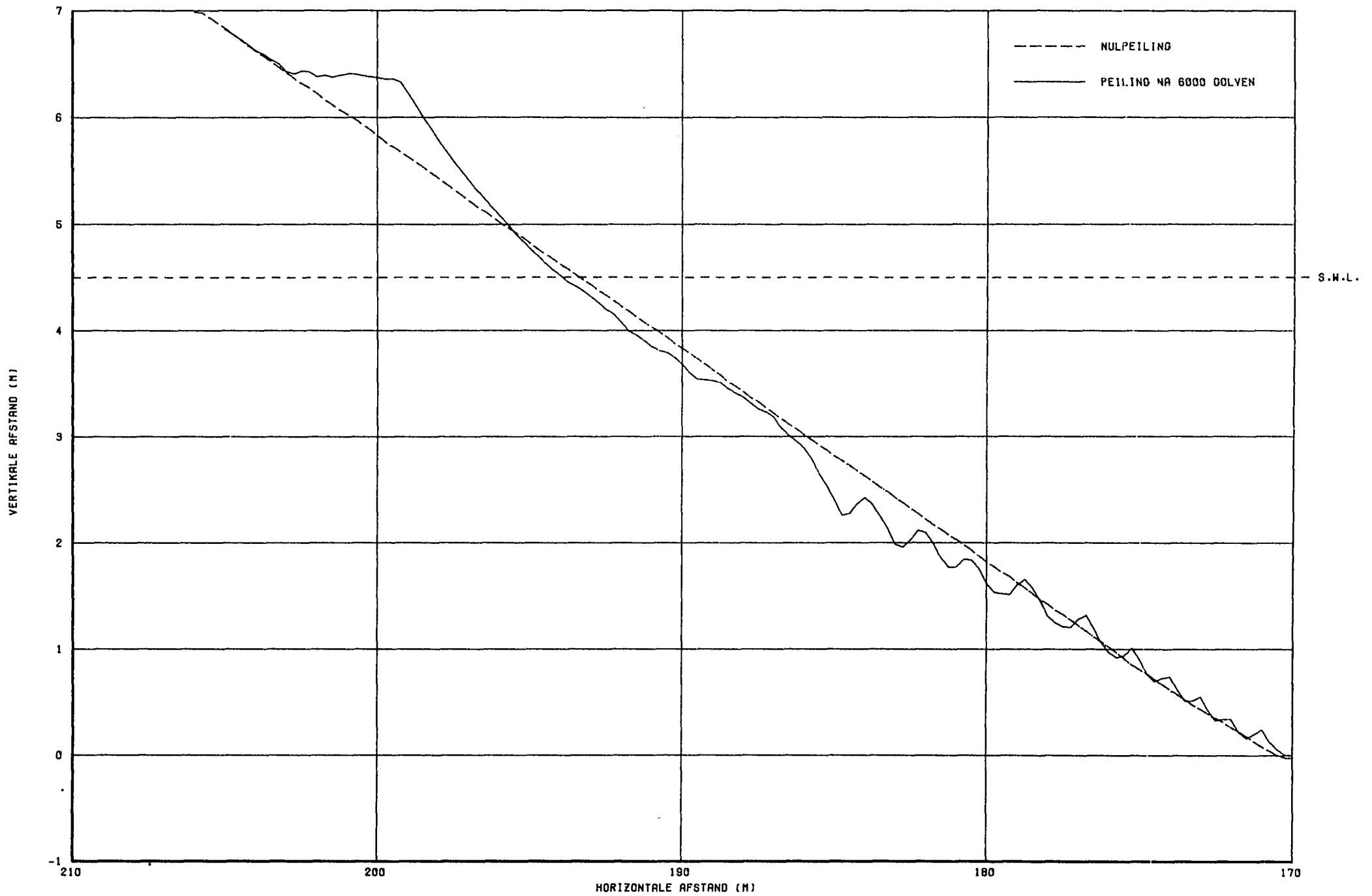
POB = P578 en P808



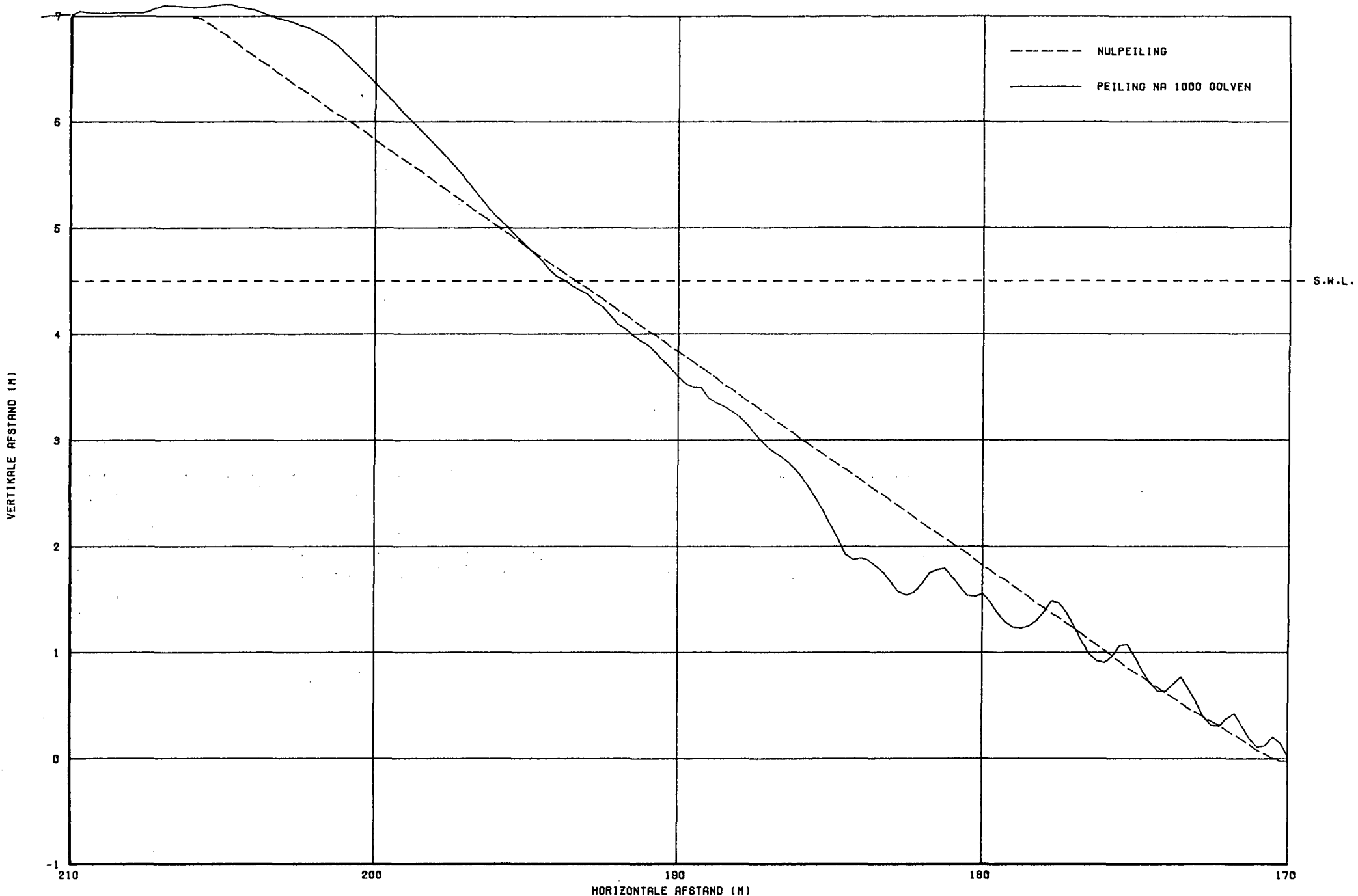


GEMIDDELDE PROFIELEN DELTAGOOT

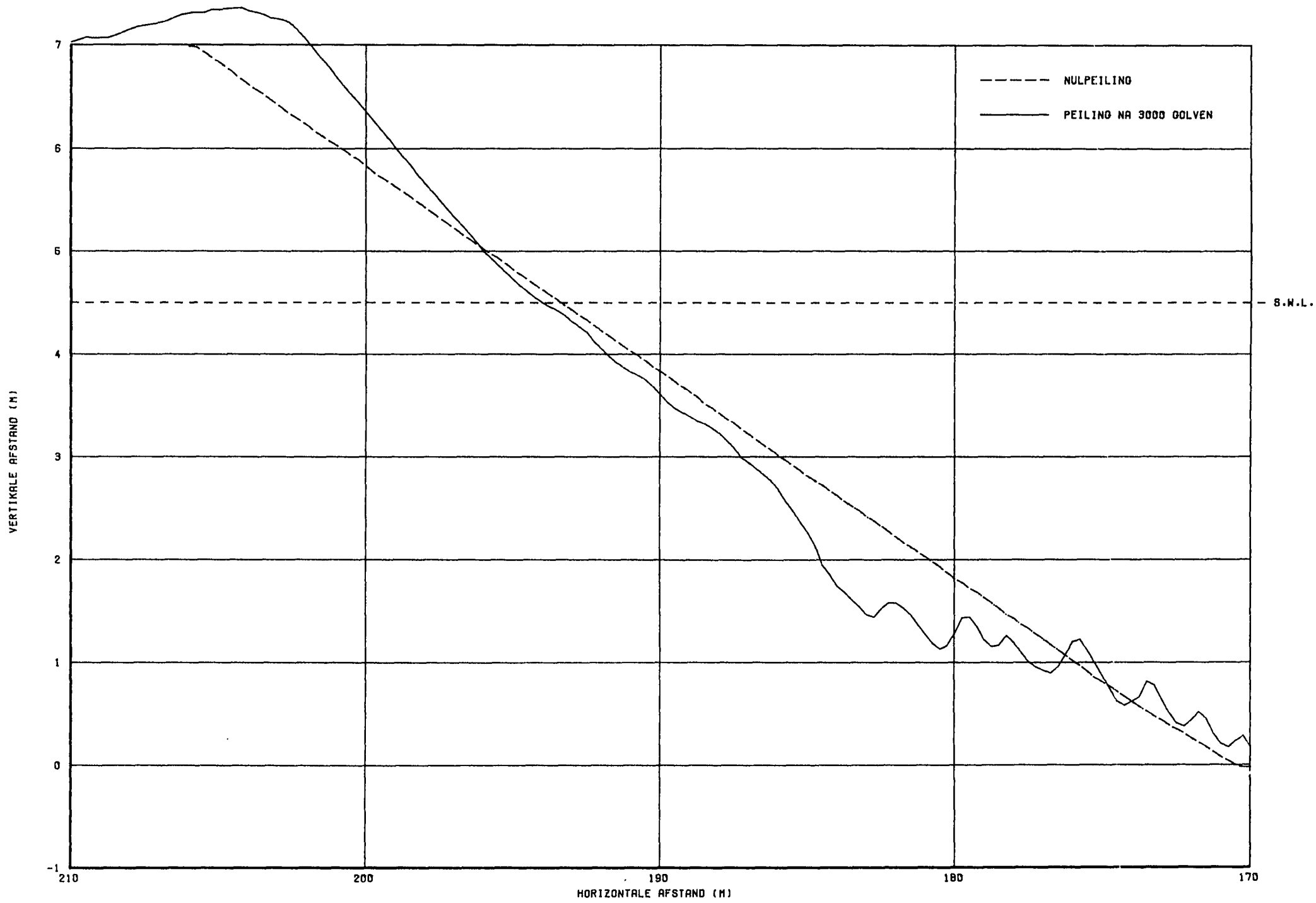
POB = P578 en P808



GEMIDDELTE PROFIELEN DELTAGOOT P08 = P578

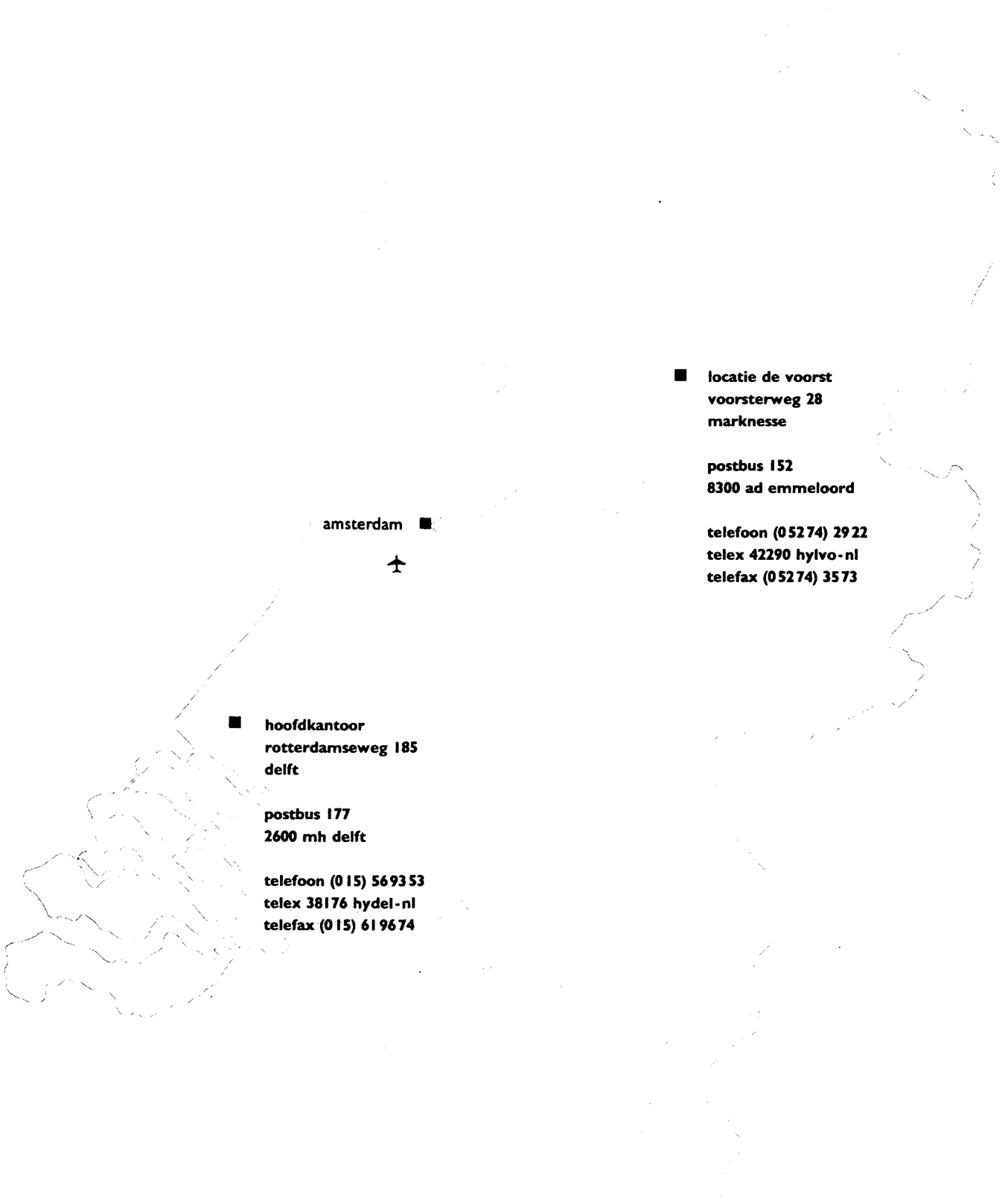


GEMIDDELTE PROFIELEN DELTAGOOT P09 = P809



GEMIDDELTE PROFIELEN DELTACOOT

P09 = P80g



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