

DATE: 10/29/01

DO NOT MEASURE FROM THESE GLOBAL COORDINATES

Element centre Element centre Element centre
Global Coord. [m] Global Coord. [m] Global Coord. [m]

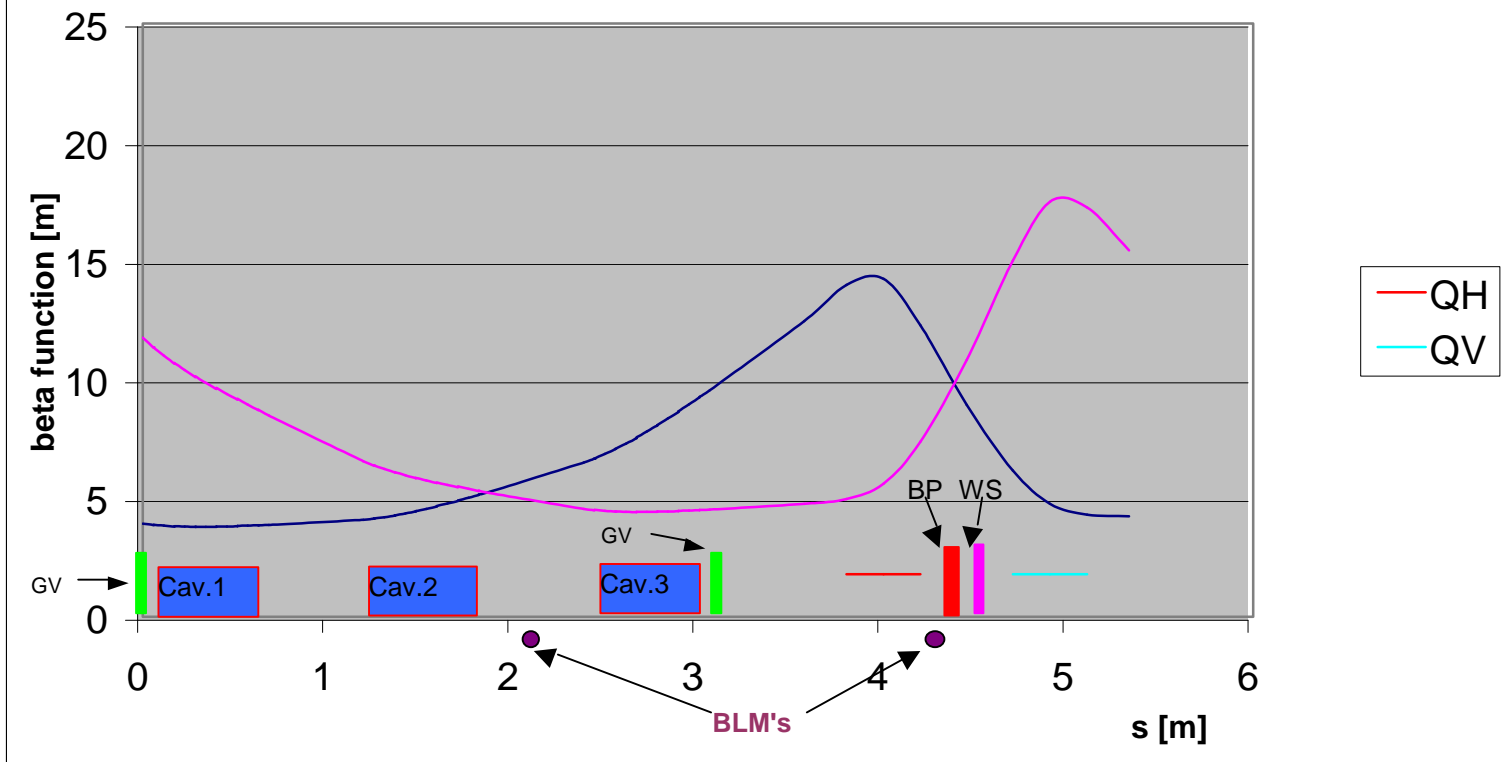
SNS lattice file for pseudo periods in the SCL Medium Beta

	Element	length [m]	S [m]	beta_x	beta_y	z	x	y	Diagnostic
SCL_Diag:BLM00	Drft	0.089716	0.089716	12.288590	11.810294	19641.988547	1000000.000000	200004.600000	
SCL_Diag:BPM00a	Quad	0.040000	0.129716	12.496205	11.815813	19642.028547	1000000.000000	200004.600000	SCL_XXX:EP00??
SCL_Diag:WS00	Drft	0.000000	0.129716	12.496205	11.815813	19642.028547	1000000.000000	200004.600000	SCL_Vac:GV00
SCL_Mag:QH00	Quad	0.080000	0.910000	15.921976	13.104766	19642.808831	1000000.000000	200004.600000	
SCL_Diag:BCM00	Drft	0.420000	1.330000	7.495776	25.679218	19643.228831	1000000.000000	200004.600000	
SCL_Mag:QV00	Quad	0.080000	1.410000	6.754690	26.606659	19643.308831	1000000.000000	200004.600000	SCL_XXX:BEAMSTOP??
SCL_Diag:BPM00b	Drft	0.940000	2.350000	4.690610	16.499066	19644.248831	1000000.000000	200004.600000	SCL_XXX:INTERLOCK??
SCL_Vac:GV01a	Drft	0.586976	0.000000	3.927201	11.754884	19644.835807	1000000.000000	200004.600000	Medium Beta SCL start
SCL_RF:Cav01a	Drft	0.056800	0.056800	3.873816	11.355259	19644.892607	1000000.000000	200004.600000	
SCL_RF:Cav01b	Drft	0.056800	1.248400	4.135020	6.376074	19646.084207	1000000.000000	200004.600000	SCL_Diag:BLM01a
SCL_RF:Cav01c	Drft	0.056800	2.440000	6.662802	4.495140	19647.275807	1000000.000000	200004.600000	
SCL_Vac:GV01b	Drft	0.227226	3.802026	13.983350	4.964145	19648.637834	1000000.000000	200004.600000	
SCL_Mag:QH01	Quad	0.200000	4.002026	14.239766	5.615188	19648.837834	1000000.000000	200004.600000	
SCL_Diag:BPM01	Drft	0.250000	4.452026	8.930338	10.828804	19649.287834	1000000.000000	200004.600000	SCL_Diag:WS01
SCL_Mag:QV01	Quad	0.200000	4.902026	4.765113	17.493755	19649.737834	1000000.000000	200004.600000	SCL_Diag:BLM01b
SCL_Vac:GV02a	Drft	0.510000	0.000000	4.282101	11.939500	19650.675060	1000000.000000	200004.600000	
SCL_RF:Cav02a	Drft	0.056800	0.056800	4.303791	11.594306	19650.731860	1000000.000000	200004.600000	
SCL_RF:Cav02b	Drft	0.056800	1.248400	6.308759	7.441537	19651.923460	1000000.000000	200004.600000	SCL_Diag:BLM02a
SCL_RF:Cav02c	Drft	0.056800	2.440000	11.031970	5.836014	19653.115060	1000000.000000	200004.600000	
SCL_Vac:GV02b	Drft	0.227226	3.802026	22.193667	6.399530	19654.477086	1000000.000000	200004.600000	
SCL_Mag:QH02	Quad	0.200000	4.002026	22.419004	7.155982	19654.677086	1000000.000000	200004.600000	
SCL_Diag:BPM02	Drft	0.250000	4.702026	9.235515	18.412788	19655.377086	1000000.000000	200004.600000	SCL_Diag:WS02
SCL_Mag:QV02	Quad	0.200000	4.902026	6.913466	21.295154	19655.577086	1000000.000000	200004.600000	SCL_Diag:BLM02b
SCL_Vac:GV03a	Drft	0.510000	0.000000	4.768865	13.929324	19656.514312	1000000.000000	200004.600000	
SCL_RF:Cav03a	Drft	0.056800	0.056800	4.700702	13.472539	19656.571112	1000000.000000	200004.600000	
SCL_RF:Cav03b	Drft	0.056800	1.248400	4.598098	7.421065	19657.762712	1000000.000000	200004.600000	SCL_Diag:BLM03a
SCL_RF:Cav03c	Drft	0.056800	2.440000	6.583165	4.811343	19658.954312	1000000.000000	200004.600000	
SCL_Vac:GV03b	Drft	0.227226	3.802026	12.579523	4.497152	19660.316339	1000000.000000	200004.600000	
SCL_Mag:QH03	Quad	0.200000	4.002026	12.745769	4.977200	19660.516339	1000000.000000	200004.600000	
SCL_Diag:BPM03	Drft	0.250000	4.702026	5.552135	12.575091	19661.216339	1000000.000000	200004.600000	SCL_Diag:WS03
SCL_Mag:QV03	Quad	0.200000	4.902026	4.307394	14.558694	19661.416339	1000000.000000	200004.600000	SCL_Diag:BLM03b
SCL_Vac:GV04a	Drft	0.510000	0.000000	3.872180	9.990773	19662.353565	1000000.000000	200004.600000	

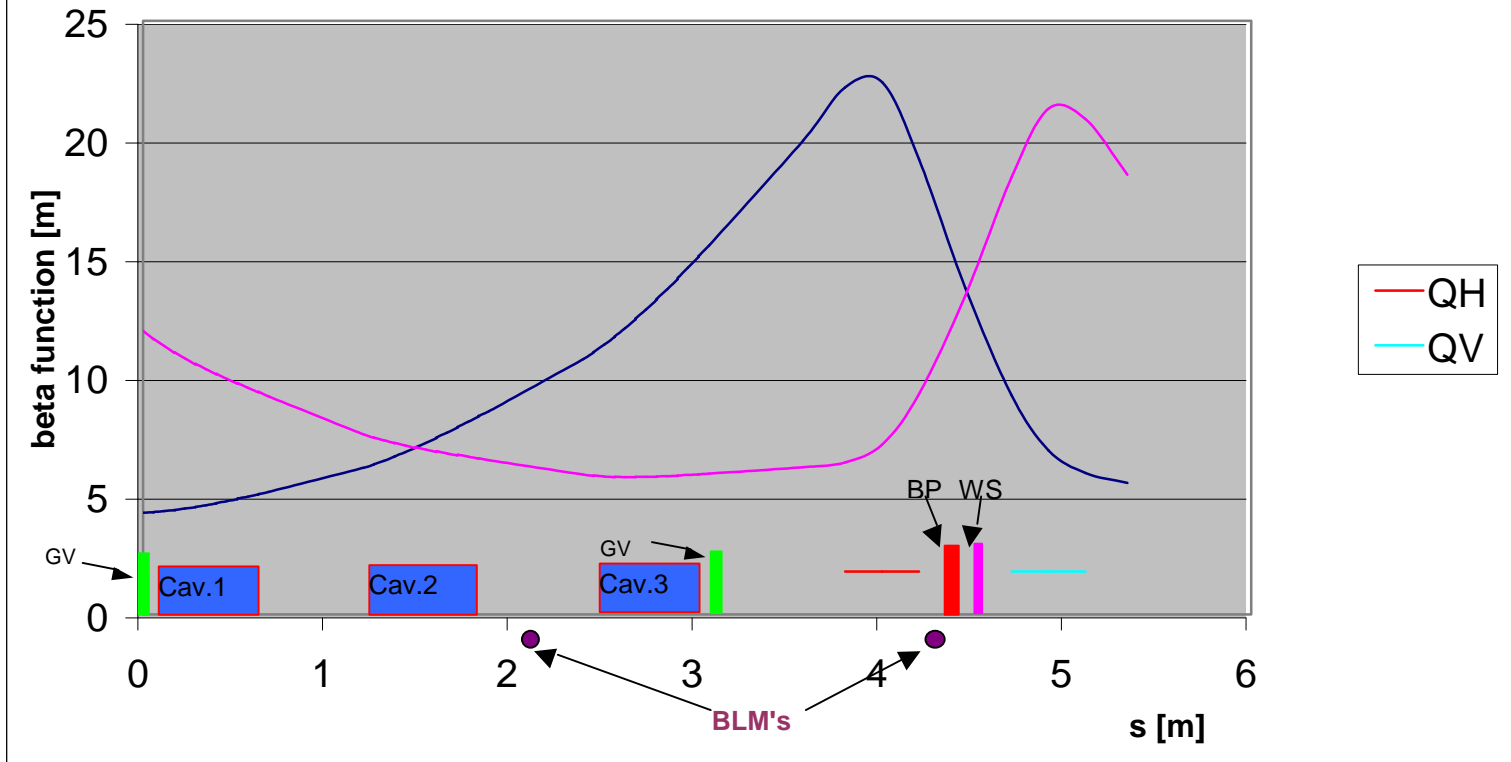
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SCL_RF:Cav04c	Drft	0.056800	2.440000	10.532591	5.251882	19664.793565	1000000.000000	200004.600000	
SCL_Vac:GV04b	Drft	0.227226	3.802026	21.944063	6.507522	19666.155591	1000000.000000	200004.600000	
SCL_Mag:QH04	Quad	0.200000	4.002026	22.371631	7.381361	19666.355591	1000000.000000	200004.600000	
SCL_Diag:BPM04	Drft	0.250000	4.702026	10.193450	19.103520	19667.055591	1000000.000000	200004.600000	SCL_Diag:WS04
SCL_Mag:QV04	Quad	0.200000	4.902026	8.017490	22.177834	19667.255591	1000000.000000	200004.600000	SCL_Diag:BLM04b
SCL_Vac:GV05a	Drft	0.510000	0.000000	6.999135	15.673395	19668.192818	1000000.000000	200004.600000	
SCL_RF:Cav05a	Drft	0.056800	0.056800	6.995663	15.251968	19668.249618	1000000.000000	200004.600000	
SCL_RF:Cav05b	Drft	0.056800	1.248400	8.294431	9.411826	19669.441218	1000000.000000	200004.600000	SCL_Diag:BLM05a
SCL_RF:Cav05c	Drft	0.056800	2.440000	12.080196	6.717789	19670.632818	1000000.000000	200004.600000	
SCL_Vac:GV05b	Drft	0.227226	3.802026	20.944458	6.122830	19671.994844	1000000.000000	200004.600000	
SCL_Mag:QH05	Quad	0.200000	4.002026	21.008769	6.643848	19672.194844	1000000.000000	200004.600000	
SCL_Diag:BPM05	Drft	0.250000	4.702026	9.136889	15.400831	19672.894844	1000000.000000	200004.600000	SCL_Diag:WS05
SCL_Mag:QV05	Quad	0.200000	4.902026	7.012568	17.609476	19673.094844	1000000.000000	200004.600000	SCL_Diag:BLM05b
SCL_Vac:GV06a	Drft	0.510000	0.000000	5.143260	12.046790	19674.032070	1000000.000000	200004.600000	
SCL_RF:Cav06a	Drft	0.056800	0.056800	5.087714	11.700901	19674.088870	1000000.000000	200004.600000	
SCL_RF:Cav06b	Drft	0.056800	1.248400	5.037708	6.851998	19675.280470	1000000.000000	200004.600000	SCL_Diag:BLM06a
SCL_RF:Cav06c	Drft	0.056800	2.440000	6.909328	4.782410	19676.472070	1000000.000000	200004.600000	
SCL_Vac:GV06b	Drft	0.227226	3.802026	12.261297	4.725307	19677.834097	1000000.000000	200004.600000	
SCL_Mag:QH06	Quad	0.200000	4.002026	12.428592	5.225631	19678.034097	1000000.000000	200004.600000	
SCL_Diag:BPM06	Drft	0.250000	4.702026	5.990753	12.513758	19678.734097	1000000.000000	200004.600000	SCL_Diag:WS06
SCL_Mag:QV06	Quad	0.200000	4.902026	4.852745	14.435057	19678.934097	1000000.000000	200004.600000	SCL_Diag:BLM06b
SCL_Vac:GV07a	Drft	0.510000	0.000000	4.840107	10.820026	19679.871323	1000000.000000	200004.600000	
SCL_RF:Cav07a	Drft	0.056800	0.056800	4.884509	10.585228	19679.928123	1000000.000000	200004.600000	
SCL_RF:Cav07b	Drft	0.056800	1.248400	6.950311	7.369793	19681.119723	1000000.000000	200004.600000	SCL_Diag:BLM07a
SCL_RF:Cav07c	Drft	0.056800	2.440000	11.479575	6.232086	19682.311323	1000000.000000	200004.600000	
SCL_Vac:GV07b	Drft	0.227226	3.802026	21.156730	6.869911	19683.673349	1000000.000000	200004.600000	
SCL_Mag:QH07	Quad	0.200000	4.002026	21.467256	7.595155	19683.873349	1000000.000000	200004.600000	
SCL_Diag:BPM07	Drft	0.000000	4.452026	14.437821	13.261733	19684.323349	1000000.000000	200004.600000	SCL_Diag:WS07
SCL_Mag:QV07	Drft	0.250000	4.702026	10.609243	17.635264	19684.573349	1000000.000000	200004.600000	SCL_Diag:BLM07b
SCL_Vac:GV08a	Drft	0.586976	0.000000	8.035571	15.158050	19685.710325	1000000.000000	200004.600000	
SCL_RF:Cav08a	Drft	0.056800	0.056800	8.054015	14.820018	19685.767125	1000000.000000	200004.600000	
SCL_RF:Cav08b	Drft	0.056800	1.248400	9.516028	9.756409	19686.958725	1000000.000000	200004.600000	SCL_Diag:BLM08a
SCL_RF:Cav08c	Drft	0.056800	2.440000	13.080177	7.199558	19688.150325	1000000.000000	200004.600000	
SCL_Vac:GV08b	Drft	0.227226	3.802026	20.811097	6.414631	19689.512351	1000000.000000	200004.600000	
SCL_Mag:QH08	Quad	0.200000	4.002026	20.844163	6.874478	19689.712351	1000000.000000	200004.600000	

SCL_Diag:BPM08	Drft	0.250000	4.702026	10.019405	14.672044	19690.412351	1000000.000000	200004.600000	SCL_Diag:WS08
SCL_Mag:QV08	Quad	0.200000	4.902026	8.036302	16.640567	19690.612351	1000000.000000	200004.600000	SCL_Diag:BLM08b
SCL_Vac:GV09a	Drft	0.510000	0.000000	6.753765	12.320335	19691.549578	1000000.000000	200004.600000	
SCL_RF:Cav09a	Drft	0.056800	0.056800	6.730027	12.043322	19691.606378	1000000.000000	200004.600000	
SCL_RF:Cav09b	Drft	0.056800	1.248400	7.184521	7.941630	19692.797978	1000000.000000	200004.600000	SCL_Diag:BLM09a
SCL_RF:Cav09c	Drft	0.056800	2.440000	9.440025	6.090802	19693.989578	1000000.000000	200004.600000	
SCL_Vac:GV09b	Drft	0.227226	3.802026	14.919348	5.967263	19695.351604	1000000.000000	200004.600000	
SCL_Mag:QH09	Quad	0.200000	4.002026	15.000823	6.486775	19695.551604	1000000.000000	200004.600000	
SCL_Diag:BPM09	Drft	0.250000	4.702026	7.615050	14.108996	19696.251604	1000000.000000	200004.600000	SCL_Diag:WS09
SCL_Mag:QV09	Quad	0.200000	4.902026	6.267760	16.084650	19696.451604	1000000.000000	200004.600000	SCL_Diag:BLM09b
SCL_Vac:GV10a	Drft	0.510000	0.000000	5.962166	12.615918	19697.388830	1000000.000000	200004.600000	
SCL_RF:Cav10a	Drft	0.056800	0.056800	5.988020	12.383012	19697.445630	1000000.000000	200004.600000	
SCL_RF:Cav10b	Drft	0.056800	1.248400	7.387225	8.879667	19698.637230	1000000.000000	200004.600000	SCL_Diag:BLM10a
SCL_RF:Cav10c	Drft	0.056800	2.440000	10.559261	7.247465	19699.828830	1000000.000000	200004.600000	
SCL_Vac:GV10b	Drft	0.227226	3.802026	17.125422	7.097244	19701.190857	1000000.000000	200004.600000	
SCL_Mag:QH10	Quad	0.200000	4.002026	17.306032	7.632487	19701.390857	1000000.000000	200004.600000	
SCL_Diag:BPM10	Drft	0.250000	4.702026	9.489613	15.580559	19702.090857	1000000.000000	200004.600000	SCL_Diag:WS10
SCL_Mag:QV10	Quad	0.200000	4.902026	8.034561	17.612912	19702.290857	1000000.000000	200004.600000	SCL_Diag:BLM10b
SCL_Vac:GV11a	Drft	0.510000	0.000000	8.093418	14.182219	19703.228083	1000000.000000	200004.600000	
SCL_RF:Cav11a	Drft	0.056800	0.056800	8.142859	13.945424	19703.284883	1000000.000000	200004.600000	
SCL_RF:Cav11b	Drft	0.056800	1.248400	10.008891	10.234245	19704.476483	1000000.000000	200004.600000	SCL_Diag:BLM11a
SCL_RF:Cav11c	Drft	0.056800	2.440000	13.621971	8.297106	19705.668083	1000000.000000	200004.600000	
SCL_Vac:GV11b	Drft	0.227226	3.802026	20.690150	7.753298	19707.030109	1000000.000000	200004.600000	
SCL_Mag:QH11	Quad	0.200000	4.002026	20.623013	8.303696	19707.230109	1000000.000000	200004.600000	
SCL_Diag:BPM11	Drft	0.250000	4.702026	9.907851	17.325421	19707.930109	1000000.000000	200004.600000	SCL_Diag:WS11
SCL_Mag:QV11	Quad	0.400000	5.102026	7.105931	19.437588	19708.330109	1000000.000000	200004.600000	SCL_Diag:BLM11b
SCL_Vac:GV12a	Drft	0.616168	0.000000	6.166214	14.783338	19709.096277	1000000.000000	200004.600000	High beta SCL start

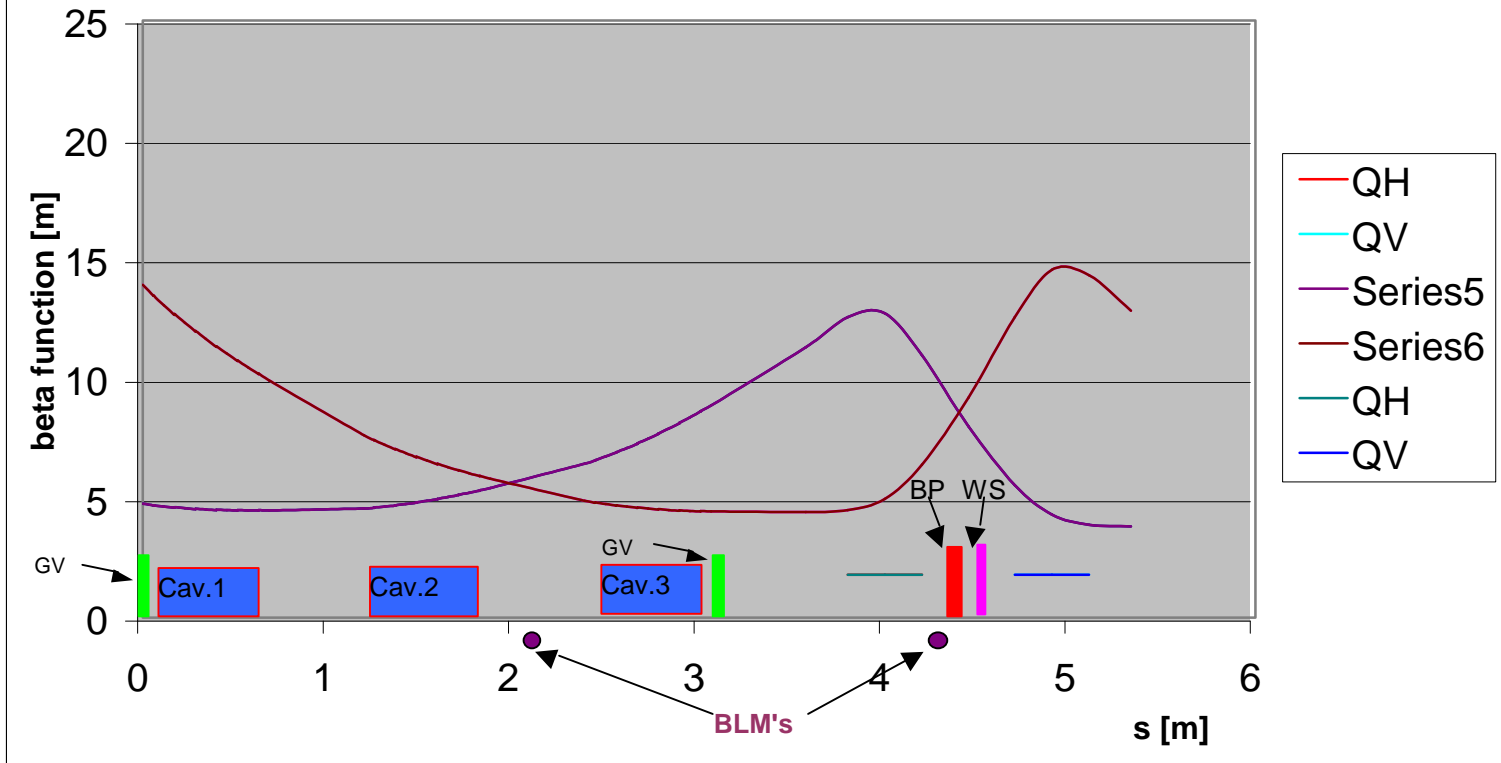
SCL medium beta period #1



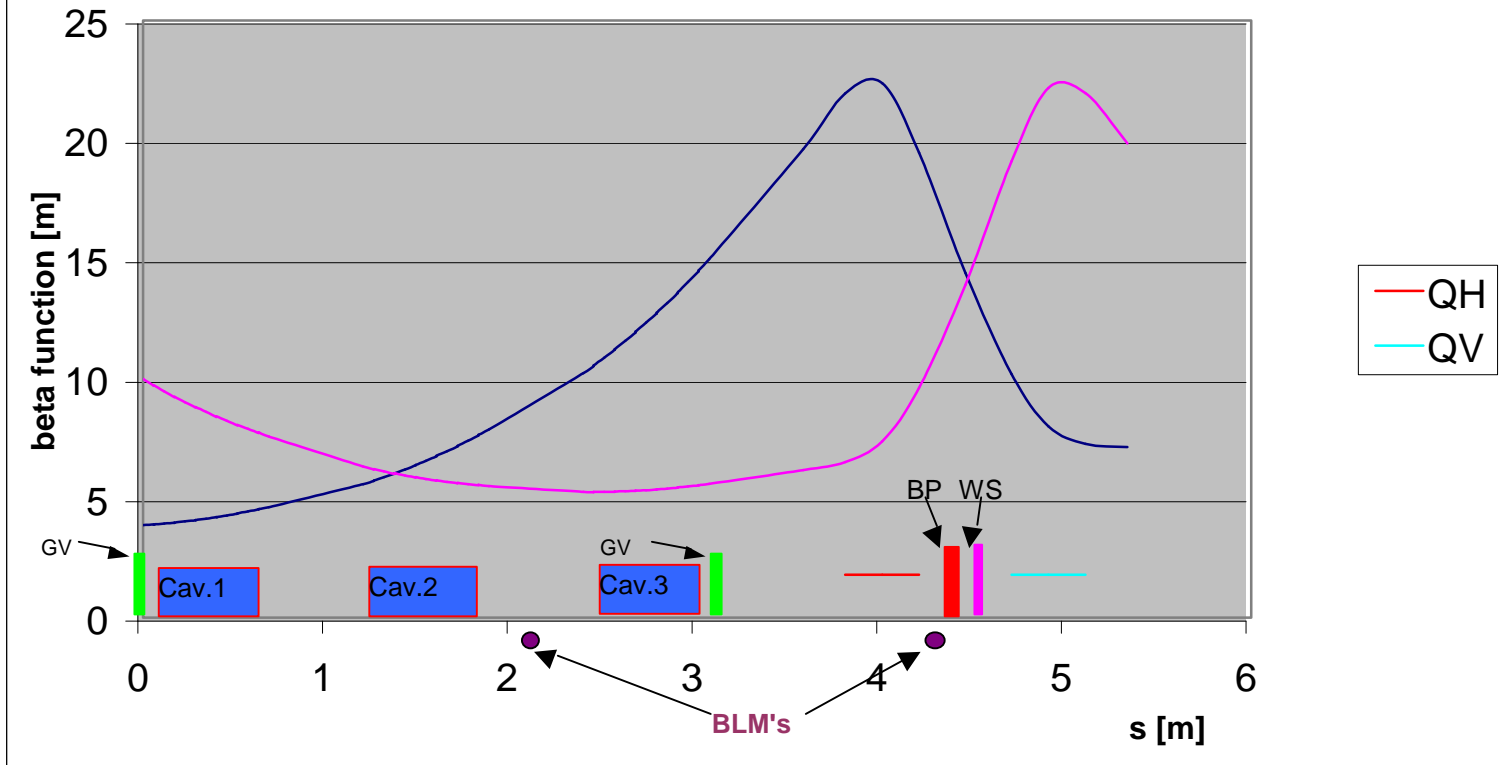
SCL medium beta period #2



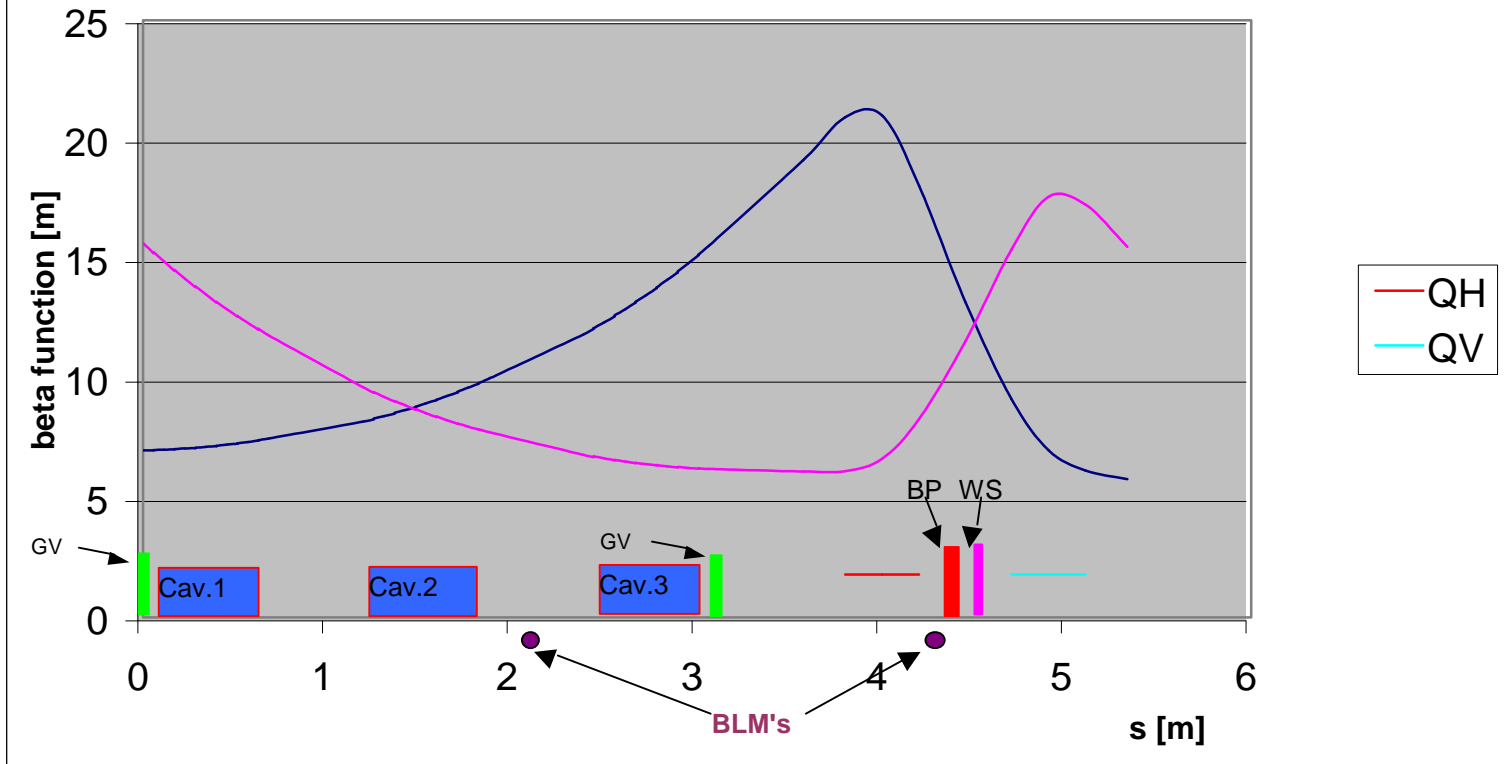
SCL medium beta period #3



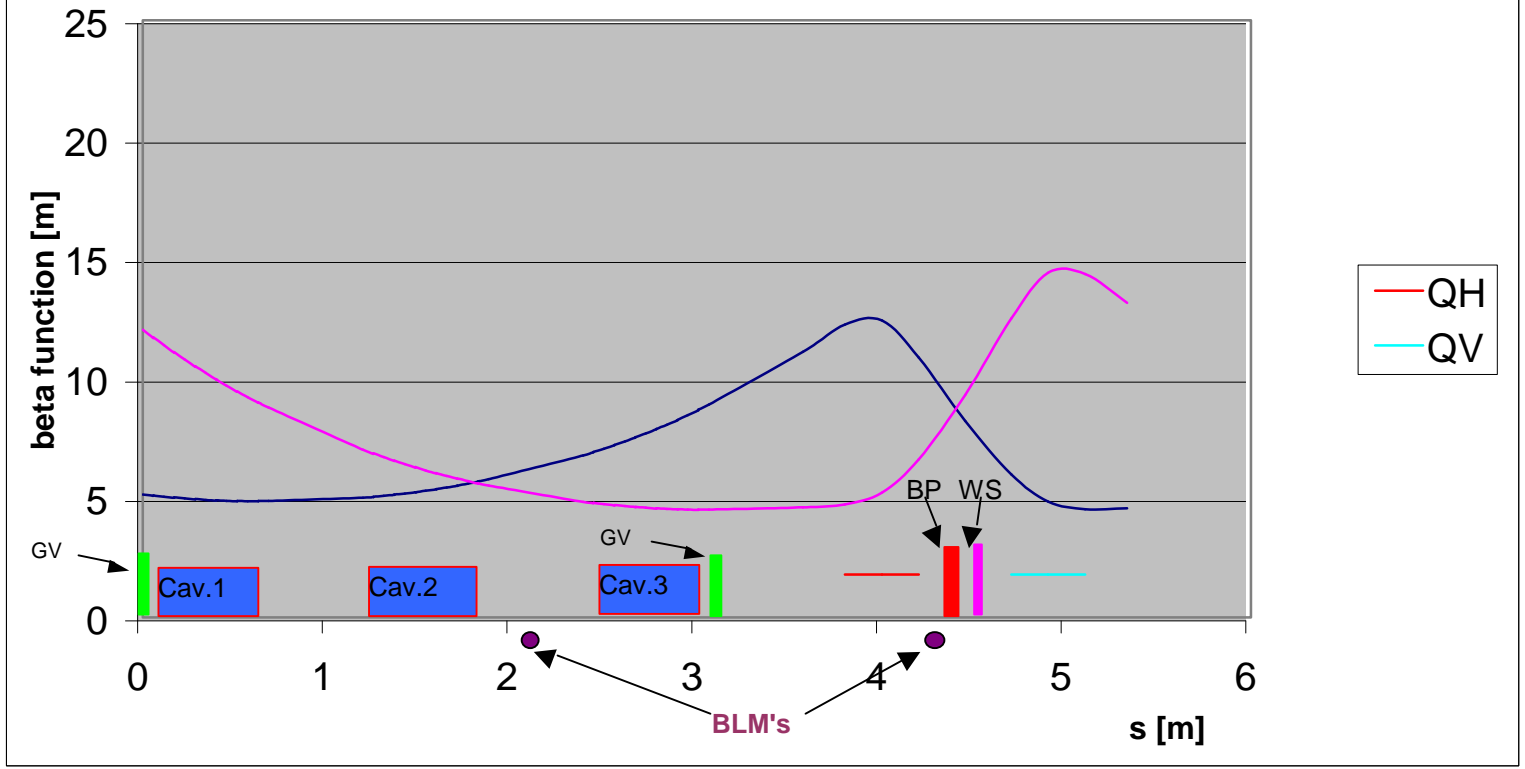
SCL medium beta period #4



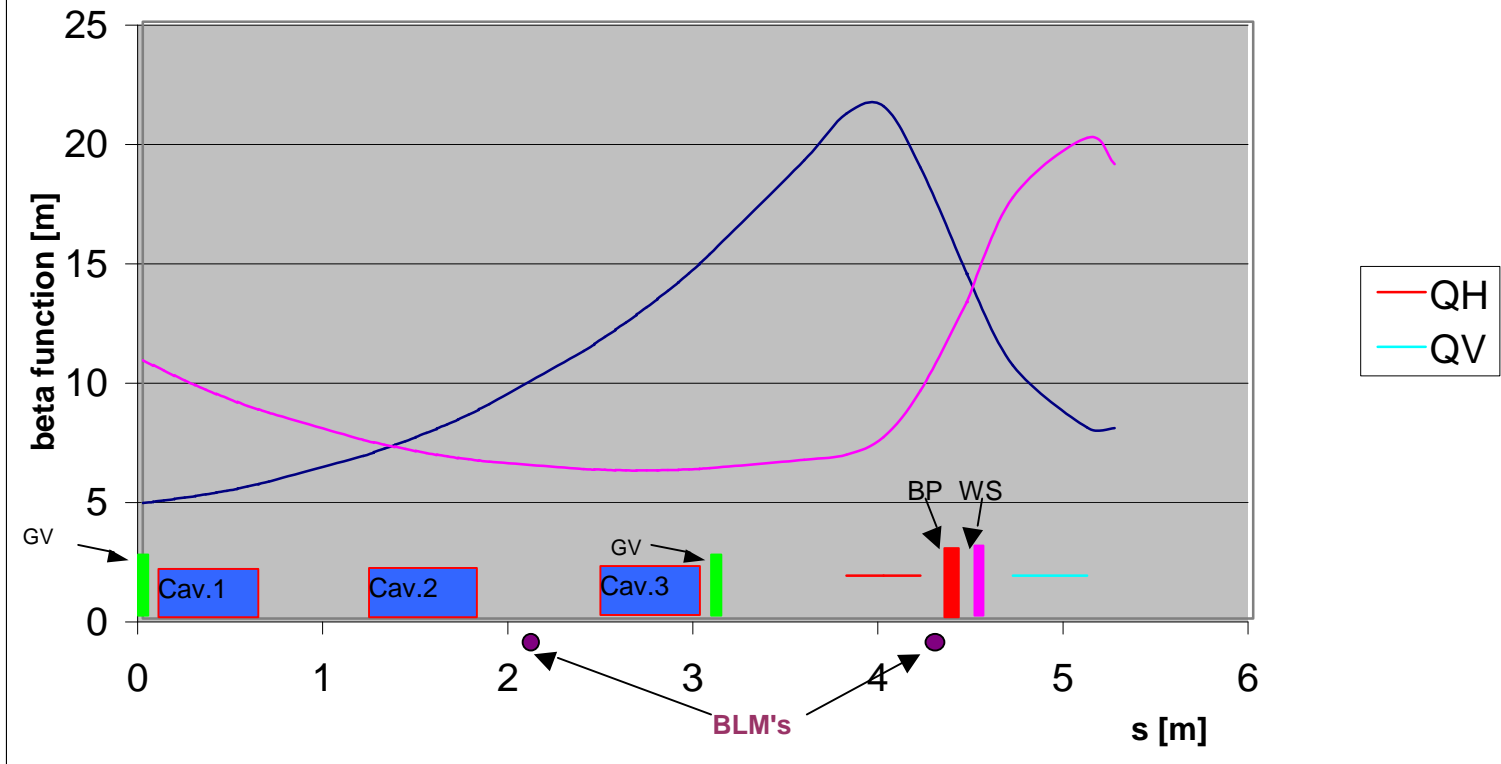
SCL medium beta period #5



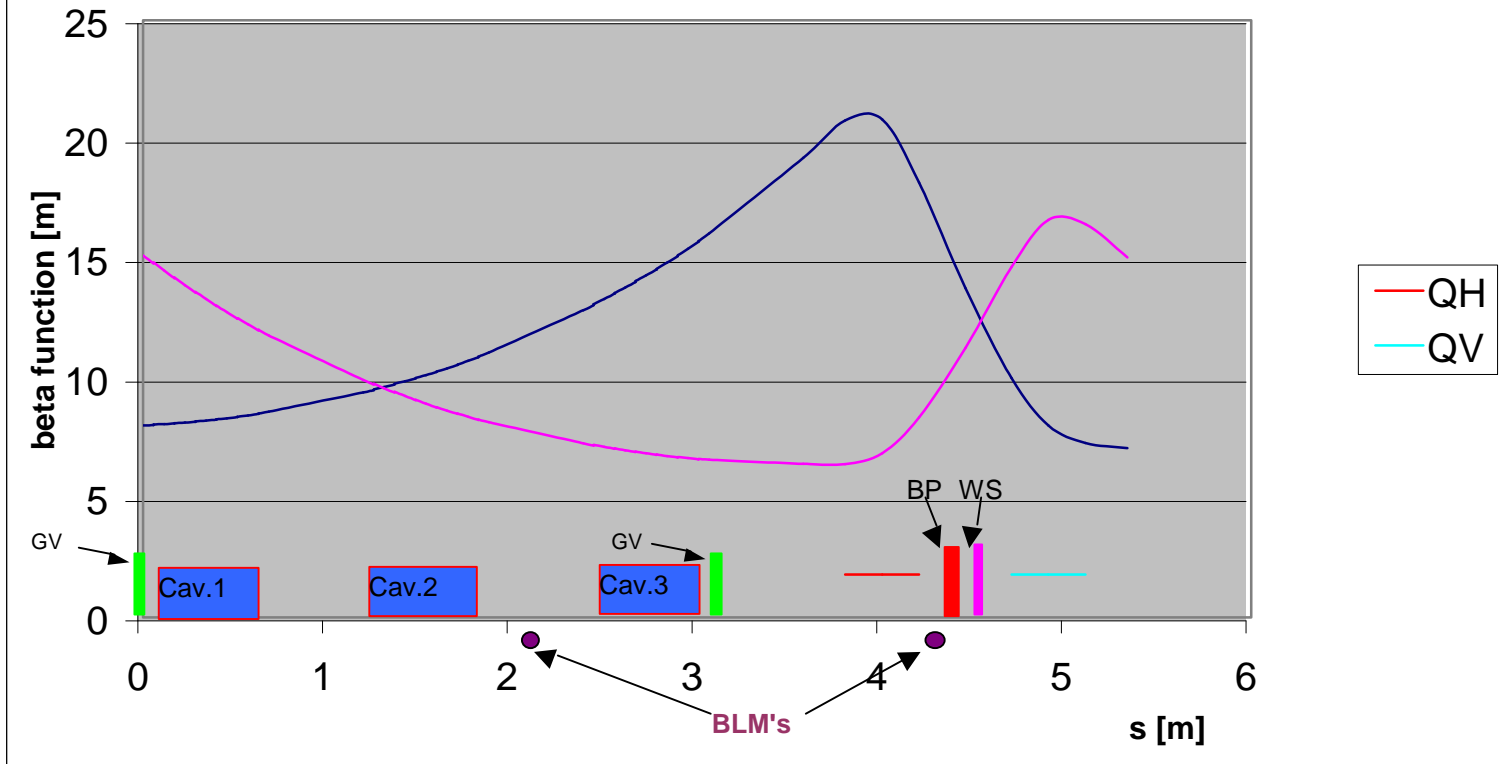
SCL medium beta period #6



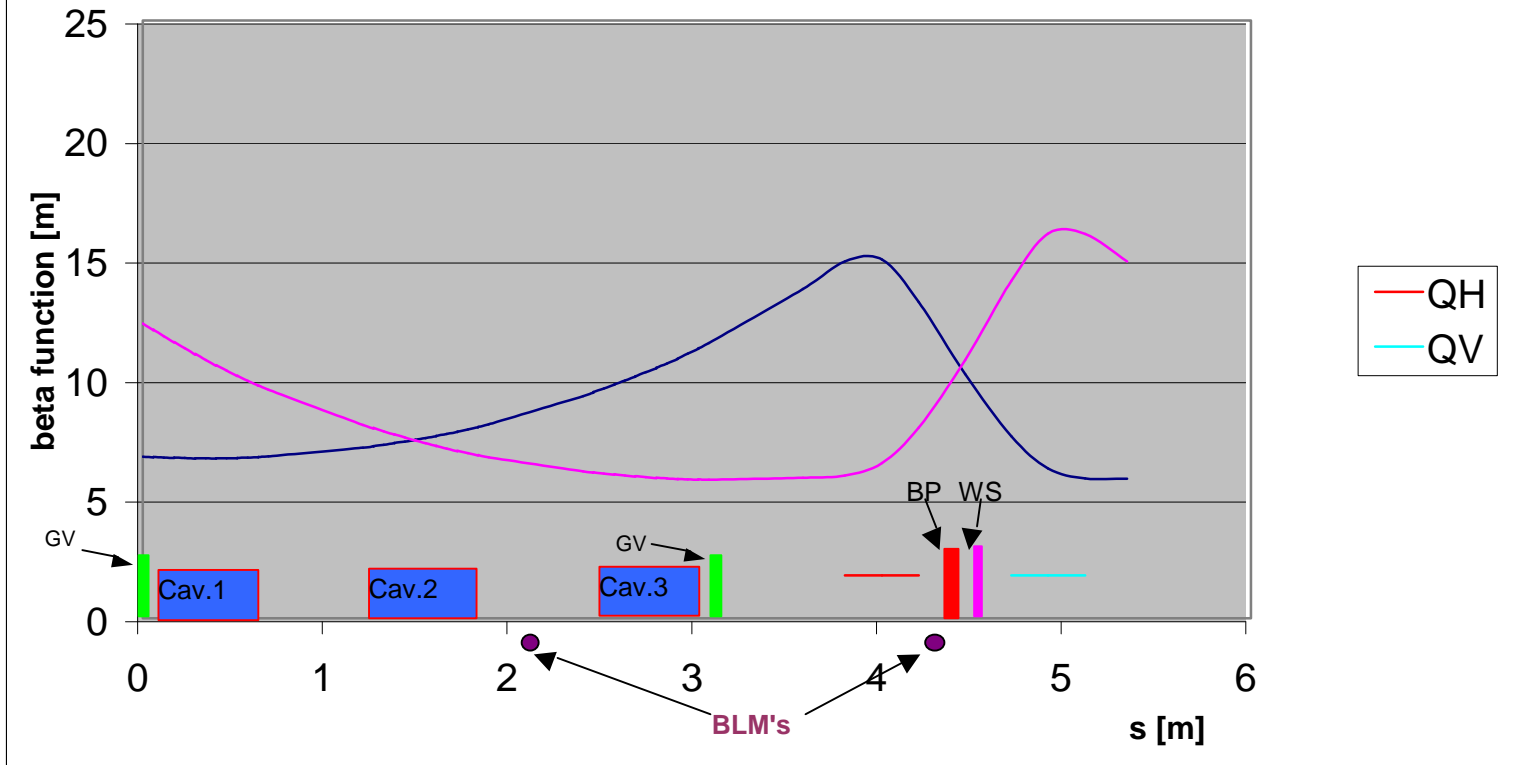
SCL medium beta period #7



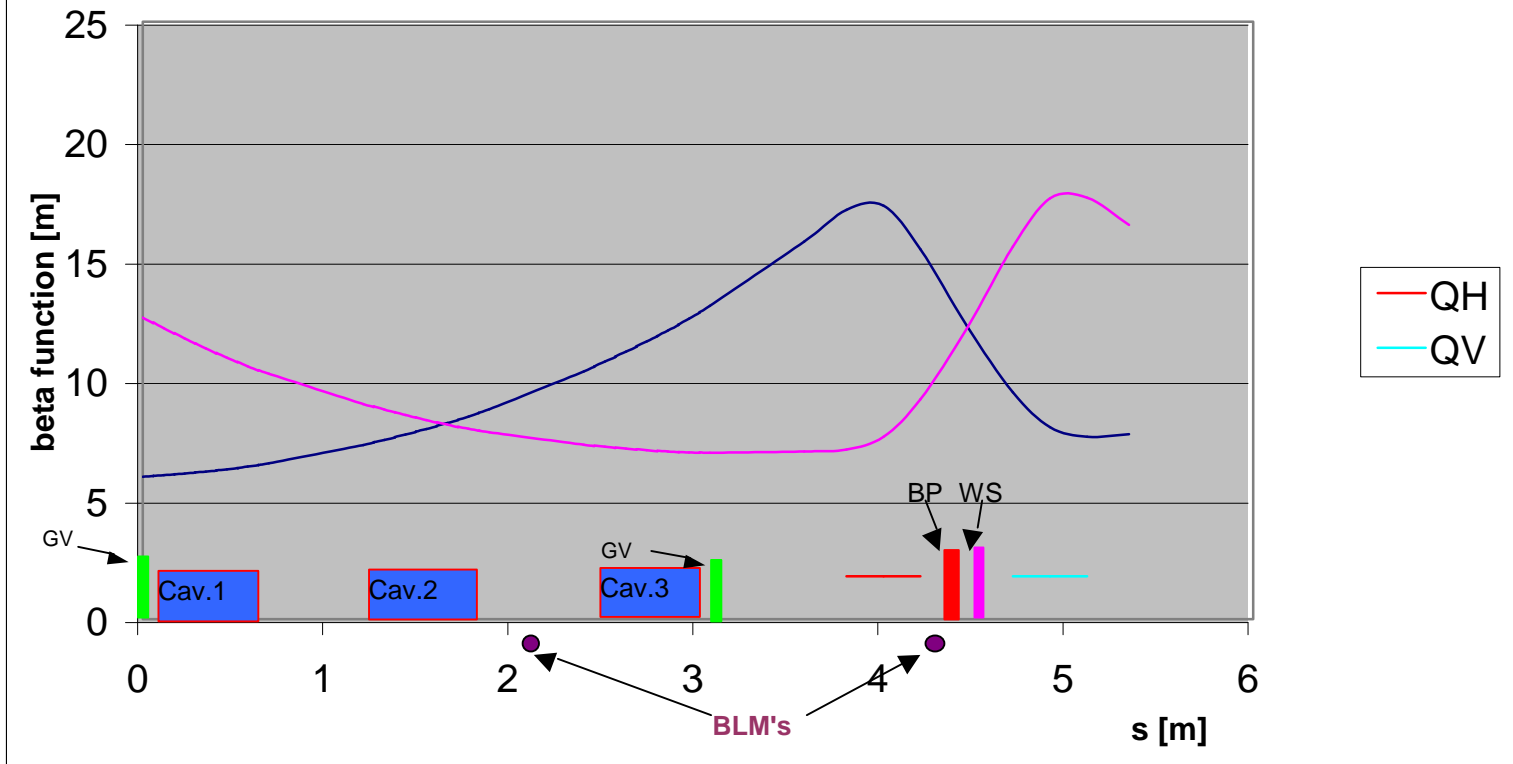
SCL medium beta period #8



SCL medium beta period #9



SCL medium beta period #10



SCL medium beta period #11

