SCL Quad PS E.Tanke SNS/ORNL Oak Ridge 12-Nov-2001

	Nominal setting from PARMILA : (August 2001)							Quad constant*	4.53	mT/A	*not measured yet; from note Magnet Calculations_rev1.doc
Quad name	Quad type			Lquad (cm)	Gquad (kG/cm)	GL (kG)	Current (A)	Max. PS current (A)	Loading of PS (%)		
SCL_Mag:QH00	R24QN80			8	-2.4294	-19.44	428.7766	525	81.7	individual	CCL_Mag:QH412 in J.Gioia file
SCL_Mag:QV00	R24QN80			8	2.3495	18.80	414.6746	525	79.0	individual	

	Nominal setting from PARMILA : (August 2001)							Quad constant*	6.13	mT/A	*not measured yet; from note Magnet Calculations_rev1.doc
Quad name	Quad type	Energy (MeV)	relativistic beta	Lquad (cm)	Gquad (kG/cm)	GL (kG)	Current (A)	Max. PS current (A)	Loading of PS (%)		
SCL_Mag:QH01	R40Q350	200.286	0.56623	40	-0.4438	-17.75	289.6613	525	55.2		
SCL_Mag:QV01	R40Q350	200.286	0.56623	40	0.4438	17.75	289.6613	525	55.2		
SCL_Mag:QH02	R40Q350	216.902	0.5831	40	-0.46	-18.40	300.2347	525	57.2		
SCL_Mag:QV02	R40Q350	216.902	0.5831	40	0.46	18.40	300.2347	525	57.2		
SCL_Mag:QH03	R40Q350	235.120	0.60027	40	-0.4717	-18.87	307.8712	525	58.6		
SCL_Mag:QV03	R40Q350	235.120	0.60027	40	0.4717	18.87	307.8712	525	58.6		
SCL_Mag:QH04	R40Q350	254.488	0.61718	40	-0.4793	-19.17	312.8316	525	59.6		
SCL_Mag:QV04	R40Q350	254.488	0.61718	40	0.4793	19.17	312.8316	525	59.6		
SCL_Mag:QH05	R40Q350	274.533	0.63339	40	-0.4835	-19.34	315.5728	525	60.1		
SCL_Mag:QV05	R40Q350	274.533	0.63339	40	0.4835	19.34	315.5728	525	60.1		
SCL_Mag:QH06	R40Q350	294.833	0.64863	40	-0.4852	-19.41	316.6824	525	60.3		
SCL_Mag:QV06	R40Q350	294.833	0.64863	40	0.4852	19.41	316.6824	525	60.3		
SCL_Mag:QH07	R40Q350	315.058	0.66276	40	-0.4852	-19.41	316.6824	525	60.3		
SCL_Mag:QV07	R40Q350	315.058	0.66276	40	0.4852	19.41	316.6824	525	60.3		
SCL_Mag:QH08	R40Q350	334.970	0.67575	40	-0.4843	-19.37	316.0950	525	60.2		
SCL_Mag:QV08	R40Q350	334.970	0.67575	40	0.4843	19.37	316.0950	525	60.2		
SCL_Mag:QH09	R40Q350	354.412	0.68764	40	-0.4381	-17.52	285.9410	525	54.5		
SCL_Mag:QV09	R40Q350	354.412	0.68764	40	-0.4381	-17.52	285.9410	525	54.5		
SCL_Mag:QH10	R40Q350	373.291	0.6985	40	-0.462	-18.48	301.5401	525	57.4	individual	
SCL_Mag:QV10	R40Q350	373.291	0.6985	40	0.4585	18.34	299.2557	535	55.9	individual	
SCL_Mag:QH11	R40Q350	391.433	0.70836	40	-0.5137	-20.55	335.2839	525	63.9	individual	
SCL_Mag:QV11	R40Q350	391.433	0.70836	40	0.5066	20.26	330.6498	525	63.0	individual	

SCL_Mag:QH12	R40Q350	426.043	0.72575	40	-0.5579	-22.32	364.1325	525	69.4	
SCL_Mag:QV12	R40Q350	426.043	0.72575	40	0.5579	22.32	364.1325	525	69.4	
SCL_Mag:QH13	R40Q350	465.914	0.74377	40	-0.5786	-23.14	377.6431	525	71.9	
SCL_Mag:QV13	R40Q350	465.914	0.74377	40	0.5786	23.14	377.6431	525	71.9	
SCL_Mag:QH14	R40Q350	510.548	0.76176	40	-0.5943	-23.77	387.8902	525	73.9	
SCL_Mag:QV14	R40Q350	510.548	0.76176	40	0.5943	23.77	387.8902	525	73.9	
SCL_Mag:QH15	R40Q350	559.120	0.77913	40	-0.605	-24.20	394.8740	525	75.2	
SCL_Mag:QV15	R40Q350	559.120	0.77913	40	0.605	24.20	394.8740	525	75.2	
SCL_Mag:QH16	R40Q350	610.707	0.79547	40	-0.6114	-24.46	399.0511	525	76.0	
SCL_Mag:QV16	R40Q350	610.707	0.79547	40	0.6114	24.46	399.0511	525	76.0	
SCL_Mag:QH17	R40Q350	664.435	0.81053	40	-0.6144	-24.58	401.0092	525	76.4	
SCL_Mag:QV17	R40Q350	664.435	0.81053	40	0.6144	24.58	401.0092	525	76.4	
SCL_Mag:QH18	R40Q350	719.566	0.82425	40	-0.6147	-24.59	401.2050	525	76.4	
SCL_Mag:QV18	R40Q350	719.566	0.82425	40	0.6147	24.59	401.2050	525	76.4	
SCL_Mag:QH19	R40Q350	775.519	0.83664	40	-0.6132	-24.53	400.2260	525	76.2	
SCL_Mag:QV19	R40Q350	775.519	0.83664	40	0.6132	24.53	400.2260	525	76.2	
SCL_Mag:QH20	R40Q350	831.862	0.84779	40	-0.6104	-24.42	398.3985	525	75.9	
SCL_Mag:QV20	R40Q350	831.862	0.84779	40	0.6104	24.42	398.3985	525	75.9	
SCL_Mag:QH21	R40Q350	888.282	0.85782	40	-0.6069	-24.28	396.1141	525	75.5	
SCL_Mag:QV21	R40Q350	888.282	0.85782	40	0.6069	24.28	396.1141	525	75.5	
SCL_Mag:QH22	R40Q350	944.563	0.86683	40	-0.6029	-24.12	393.5033	525	75.0	
SCL_Mag:QV22	R40Q350	944.563	0.86683	40	0.6029	24.12	393.5033	525	75.0	
SCL_Mag:QH23	R40Q350	1000.559	0.87495	40	-0.6029	-24.12	393.5033	525	75.0	
SCL_Mag:QV23	R40Q350	1000.559	0.87495	40	0.6029	24.12	393.5033	525	75.0	
SCL_Mag:QH24	R40Q350	1000.559	0.87495	40	-0.6029	-24.12	393.5033	525	75.0	
SCL_Mag:QV24	R40Q350	1000.559	0.87495	40	0.6029	24.12	393.5033	525	75.0	
SCL_Mag:QH25	R40Q350	1000.559	0.87495	40	-0.6029	-24.12	393.5033	525	75.0	
SCL_Mag:QV25	R40Q350	1000.559	0.87495	40	0.6029	24.12	393.5033	525	75.0	
SCL_Mag:QH26	R40Q350	1000.559	0.87495	40	-0.6029	-24.12	393.5033	525	75.0	
SCL_Mag:QV26	R40Q350	1000.559	0.87495	40	0.6029	24.12	393.5033	525	75.0	
SCL_Mag:QH27	R40Q350	1000.568	0.87495	40	-0.5778	-23.11	377.1210	525	71.8	
SCL_Mag:QV27	R40Q350	1000.568	0.87495	40	0.5778	23.11	377.1210	525	71.8	
SCL_Mag:QH28	R40Q350	1000.568	0.87495	40	-0.5778	-23.11	377.1210	525	71.8	
SCL_Mag:QV28	R40Q350	1000.568	0.87495	40	0.5778	23.11	377.1210	525	71.8	
SCL_Mag:QH29	R40Q350	1000.568	0.87495	40	-0.5778	-23.11	377.1210	525	71.8	
SCL_Mag:QV29	R40Q350	1000.568	0.87495	40	0.5778	23.11	377.1210	525	71.8	
SCL_Mag:QH30	R40Q350	1000.568	0.87495	40	-0.5778	-23.11	377.1210	525	71.8	individual

SCL_Mag:QV30	R40Q350	1000.568	0.87495	40	0.5778	23.11	377.1210	525	71.8	individual
SCL_Mag:QH31	R40Q350	1000.568	0.87495	40	-0.5778	-23.11	377.1210	525	71.8	individual
SCL_Mag:QV31	R40Q350	1000.568	0.87495	40	0.5778	23.11	377.1210	525	71.8	individual
SCL_Mag:QH32	R40Q350	1000.568	0.87495	40	-0.5778	-23.11	377.1210	525	71.8	individual
SCL_Mag:QV32	R40Q350	1000.568	0.87495	40	0.5778	23.11	377.1210	525	71.8	individual