SUMMARY OF HL-LHC HEAT-LOADS for the different beam screens including induced currents, electron cloud and synchrotron radiation => Per beam screen

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Power loss [W/m] (25ns, 2.2E11, 2748)	Ind. Cur. (at 20 K)	*Ind. Cur. (at 70 K)*	E-cloud IR1&5	E-cloud IR2&8	SR – nom. V1.2_round_15cm_collision (not locally)
Q1 (a/b) (SEY=1.1 - 2 beams)	0.2	*0.5*	6.4/5.9	2.3	0.01
Q2 (a/b) (SEY=1.1 - 2 beams)	0.2	*0.4*	2.0/3.4	3.4/5.4	0.02
Q3 (a/b) (SEY=1.1 - 2 beams)	0.2	*0.4*	3.2/3.0	3.9	0.05
D1 (SEY=1.1 - 2 beams)	0.2	*0.4*	4.2	4.7	0.4
D2 (SEY=1.3 - 1 beam)	0.1	*0.3*	7	3	0.1
Q4 (SEY=1.3 - 1 beam)	0.2	*0.4*	9.5	6.1	0
Q5 (SEY=1.3 - 1 beam)	0.3	*0.6*	6.1	0	0
Q6 (SEY=1.3 - 1 beam)	0.4	*0.8*	0	0	0
Q7 (arc) (SEY=1.3 - 1 beam)	0.4	*0.8*	0	0	0.4