

Hall C

A	ADMINISTRATIVE limit.	BL	BEAM LINE COMPONENT limit.	D	BEAM DUMP limit.	T	TARGET limit.
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	Location	Item	CW Current Limit	CW Power Limit	Raster ON Above	Minimum Raster Size	Comments
A	Hall_C	RSAD current limit for E04-108, E04-019	80 uA	N/A	See target spec	See target spec	Current up to 100uA is allowed for Current Calibrations.
BL	Hall_C	Harps	10 uA	P=IV	5uA	2.0 x 2.0 mm ² = 1.8 x 1.8 mm ² on EDM GUI	Fast raster must be on (2x2 mm ²) above 5 uA.
BL	Hall_C	Ion Chambers	5 uA	N/A	OFF or ON	N/A	Must be unmasked above this level.
D	Hall_C	Dump	180 uA	800 kW	10uA	2.0 x 2.0 mm ² = 1.8 x 1.8 mm ² on EDM GUI	The BE diffuser system must be on for all energies.
D	Hall_C	No Target/Target out	140 uA	P=IV	80	2.0 x 2.0 mm ² = 1.8 x 1.8 mm ² on EDM GUI	Fast raster must be on above 80 uA.
T	Hall_C	1% Copper	85 uA	P=IV	Always ON	2.0 x 2.0 mm ² = 1.8 x 1.8 mm ² on EDM GUI	Fast raster must be on (2x2 mm ²).
T	Hall_C	2mm hole in C	105 uA	P=IV	50 uA	2.0 x 2.0 mm ² = 1.8 x 1.8 mm ² on EDM GUI	Fast raster must be on (2x2 mm ²) above 50 uA.
T	Hall_C	Al optics targets	40 uA	P=IV	Always ON	2.0 x 2.0 mm ² = 1.8 x 1.8 mm ² on EDM GUI	Fast raster must be on (2x2 mm ²).
T	Hall_C	Aluminum dummy	40 uA	P=IV	Always ON	2.0 x 2.0 mm ² = 1.8 x 1.8 mm ² on EDM GUI	Fast raster must be on (2x2 mm ²).
T	Hall_C	Any Moller Target	5 uA	P=IV	N/A	N/A	Restriction applies to normal Moller runs with the kicker off.
T	Hall_C	Any Target	5 uA	P=IV			CW current limit if the cryotargets are warm. Raster still required for all targets except C and BeO.
T	Hall_C	C targets	105 uA	P=IV	50 uA	2.0 x 2.0 mm ² = 1.8 x 1.8 mm ² on EDM GUI	Fast raster must be on (2x2 mm ²)above 50 uA.
T	Hall_C	Empty target cell	5 uA	P=IV	Always ON	2.0 x 2.0 mm ² = 1.8 x 1.8 mm ² on EDM GUI	Fast raster must be on (2x2 mm ²).
T	Hall_C	LH2	105 uA	P=IV	Always ON	2.0 x 2.0 mm ² = 1.8 x 1.8 mm ² on EDM GUI	Fast raster must be on (2x2 mm ²).