

HiRA punch through summary

Particle	65 micron dE Si (MeV)	1.5 mm E Si (MeV)	4 cm Csl (MeV)	Loss in Si (1.5 mm) (MeV)
p	2.45	15.6	115.8	1.84
d	3.17	20.9	154.8	2.48
t	3.68	24.8	183.4	2.96
3He	8.72	54.9	411.1	6.53
4He	9.69	62.1	462.3	7.34
6He	11.21	74.0	548.3	8.72
8He	12.36	83.6	619.1	9.89