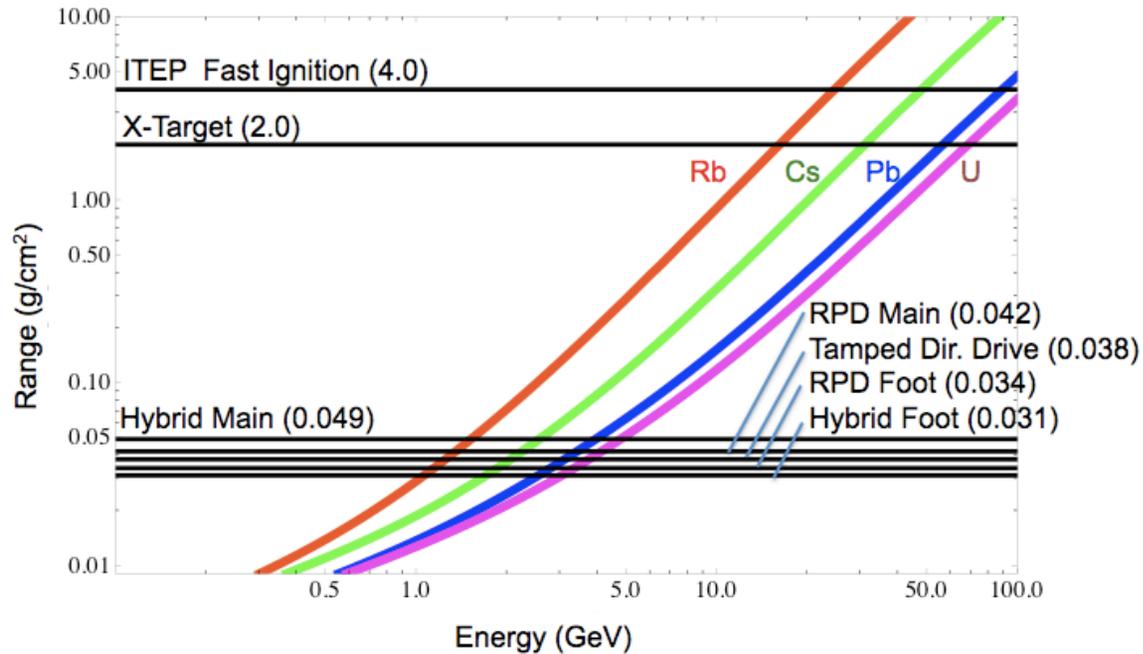


	Hybrid		Distributed Radiator (RPD)		Tamped Direct Drive		X-Target		ITEP FI Target	
	Foot	Main	Foot	Main	Compressor	Shock	Compressor	Ignitor	Compressor	Ignitor
Energy (in pulse) (MJ)	1.7	5	2.7	4.9	2	1	1	2	7.1	0.4
Pulse duration (ns)	7	11	6.5	9.3	20	0.5	20	0.2	75	0.2
Beam radius (mm)	3.8 x 5.4	3.8 x 5.4	1.8 x 4.1	1.8 x 4.1	1.9	2.2	0.5	0.2	~3	0.05
Ion range (g/cm ²)	0.031	0.049	0.034	0.042	0.038	0.038	2	2	4	4
Target acceptance angle (deg)	0 to 6	0 to 12	0 to 20	0 to 20	10 and 55*	10 and 55*	0 to 10	0 to 10	?	?
Target gain		55		68		100?		400		100
(Example ion mass) (amu)	207	207	209	209	200.59	200.59	209	209	209	209
(Example ion energy) (GeV)	3	4.5	3.3	4	3.5	3.5	63	63	100	100
(Example charge in pulse) (mC)	0.57	1.11	0.82	1.23	0.57	0.29	0.02	0.03	0.07	0.00
(Example current in pulse) (kA)	81.0	101.0	125.9	131.7	28.6	571.4	0.8	158.7	0.9	20.0



*10 and 55 are cone angles
calculated by J. Runge
and G. Logan POP, 16 033109
for direct drive targets