

Proton Energy Budget

Basket	Density g/cc	L mm	de/dx	Ei MeV	del E MeV	Ef MeV	Factor
1						192	1.01856
SS	7.93	0.508	3.16	192	1.296614	190.7034	1.02205
Water	1	1.08	4.53	190.7034	0.500028	190.2034	1.023432
Al	2.7	1.27	3.54	190.2034	1.24231	188.961	1.026952
Vasco.	8.08	3	3.14	188.961	7.816503	181.1445	1.051932
Vasco.	8.08	3	3.14	181.1445	8.006633	173.1379	1.082587
TiALV	4.51	3	3.24	173.1379	4.745758	168.3922	1.103178
TiALV	4.51	3	3.24	168.3922	4.836023	163.5561	1.126014
AlBeMet	2.1	3	3.62	163.5561	2.567987	160.9881	1.138901
AlBeMet	2.1	3	3.62	160.9881	2.597377	158.3908	1.152472
Al	2.7	1.27	3.54	158.3908	1.398946	156.9918	1.160005
Water	1	1.08	4.53	156.9918	0.567521	156.4243	1.163105
SS	7.93	0.508	3.16	156.4243	1.480618	154.9437	1.171316
Water	1	1.588	4.53	154.9437	0.842602	154.1011	1.176066
2						154.1011	1.176066
SS	7.93	0.508	3.16	154.1011	1.497117	152.604	1.184647
Water	1	2.08	4.53	152.604	1.116222	151.4878	1.191162
Al	2.7	1.27	3.54	151.4878	1.445911	150.0418	1.199749
Ti Gum	5.62	12.5	3.2	150.0418	26.97036	123.0715	1.390577
Al	2.7	1.27	3.54	123.0715	1.687974	121.3835	1.404455
Water	1	2.08	4.53	121.3835	1.323334	120.0602	1.415495
SS	7.93	0.508	3.16	120.0602	1.801906	118.2583	1.430752
Water	1	1.588	4.53	118.2583	1.029231	117.229	1.439583
3						117.229	1.439584
SS	7.93	0.508	3.16	117.229	1.832571	115.3964	1.455518
Water	1	1.08	4.53	115.3964	0.712097	114.6843	1.461782
Al	2.7	1.27	3.54	114.6843	1.774407	112.9099	1.477567
CC-XYZ	2.1	4	4.05	112.9099	5.026684	107.8832	1.523653
CC-UV	2.1	4	4.05	107.8832	5.183469	102.6998	1.573294
IG-43	1.82	4	4	102.6998	4.581432	98.11834	1.618958
IG-43	1.82	4	4	98.11834	4.714406	93.40393	1.667701
Al	2.7	1.27	3.54	93.40393	2.024366	91.37957	1.689177
Water	1	1.08	4.53	91.37957	0.826413	90.55315	1.698038
SS	7.93	0.508	3.16	90.55315	2.161581	88.39157	1.721474
Water	1	1.588	4.53	88.39157	1.238367	87.15321	1.73507