





E_initial	Pass Au		in Mylar		in Si		Total E_loss	E_final
	dE/dx	dE	dE/dx	dE	dE/dx	dE		
5.2634	0.445194	0.04140304	0.113411	0.16671417	0.140793	0.08306787	291.185082	4.9722
5.3201	0.44315	0.04121295	0.112633	0.16557051	0.13988	0.0825292	289.31266	5.0310
5.3404	0.442432	0.04114618	0.112361	0.16517067	0.139559	0.08233981	288.656656	5.0517
5.4232	0.439462	0.04086997	0.111232	0.16351104	0.138232	0.08155688	285.937886	5.1372
5.4486	0.438551	0.04078524	0.110885	0.16300095	0.137825	0.08131675	285.102943	5.1634
5.6854	0.430056	0.03999521	0.107657	0.15825579	0.13403	0.0790777	277.328698	5.4080
6.0508	0.417276	0.03880667	0.10283	0.1511601	0.128355	0.07572945	265.696218	5.7851
6.0899	0.416125	0.03869963	0.102417	0.15055299	0.127868	0.07544212	264.694735	5.8252
6.2881	0.410292	0.03815716	0.100322	0.14747334	0.125396	0.07398364	259.614136	6.0284
6.7783	0.395864	0.03681535	0.095141	0.13985727	0.119281	0.07037579	247.048412	6.5312
8.7849	0.34775	0.03234075	0.078855	0.11591685	0.100003	0.05900177	207.25937	8.5776

Unit: Energies are in MeV; dE/dx are in MeV/ μm .

dE/dx are calculated by LISE++ with Ziegler model.

The Au layer thickness is unknown, the ^{228}Th alpha source data was used here.

For ^{228}Th and ^{232}U α source

Four peaks can be used (green) to calibration.

Of course, 6.0508 and 6.0899 can be used as one peak: 6.062 MeV ($6.051 \cdot 72\% + 6.090 \text{MeV} \cdot 28\%$)

E_initial	E_final
5.2634	4.9722
5.3201	5.0310
5.3404	5.0517
5.4232	5.1372
5.4486	5.1634
5.6854	5.4080
6.0508	5.7851
6.0899	5.8252
6.2881	6.0284
6.7783	6.5312
8.7849	8.5776

