

Program Complot  
(Version 2015-2)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

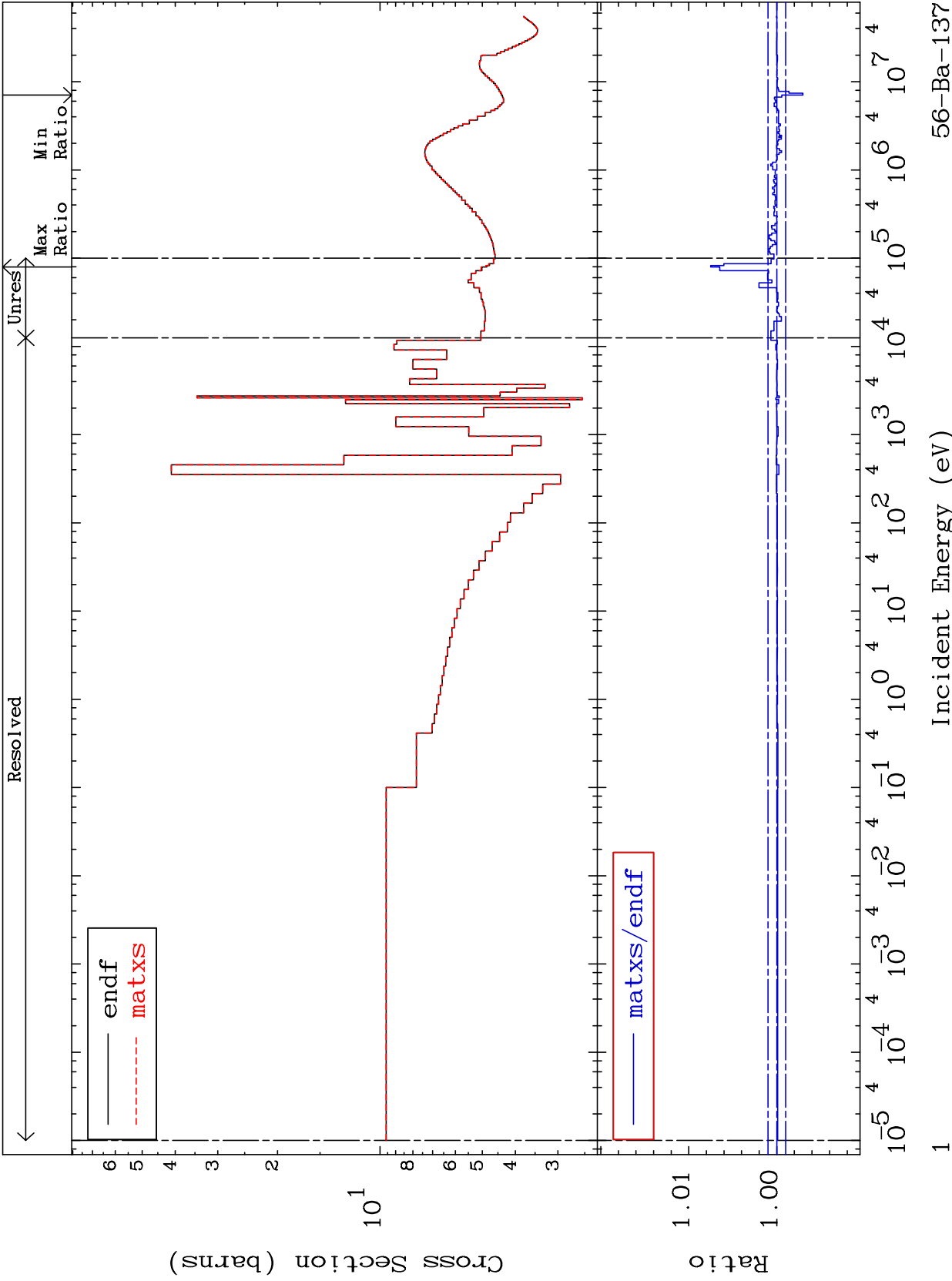
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [home.comcast.net/~redcullen1](http://home.comcast.net/~redcullen1)

Press Mouse Button to Start

MAT 5646

Total  
Cross Section

56-Ba-137  
-0.297 To 0.750 %

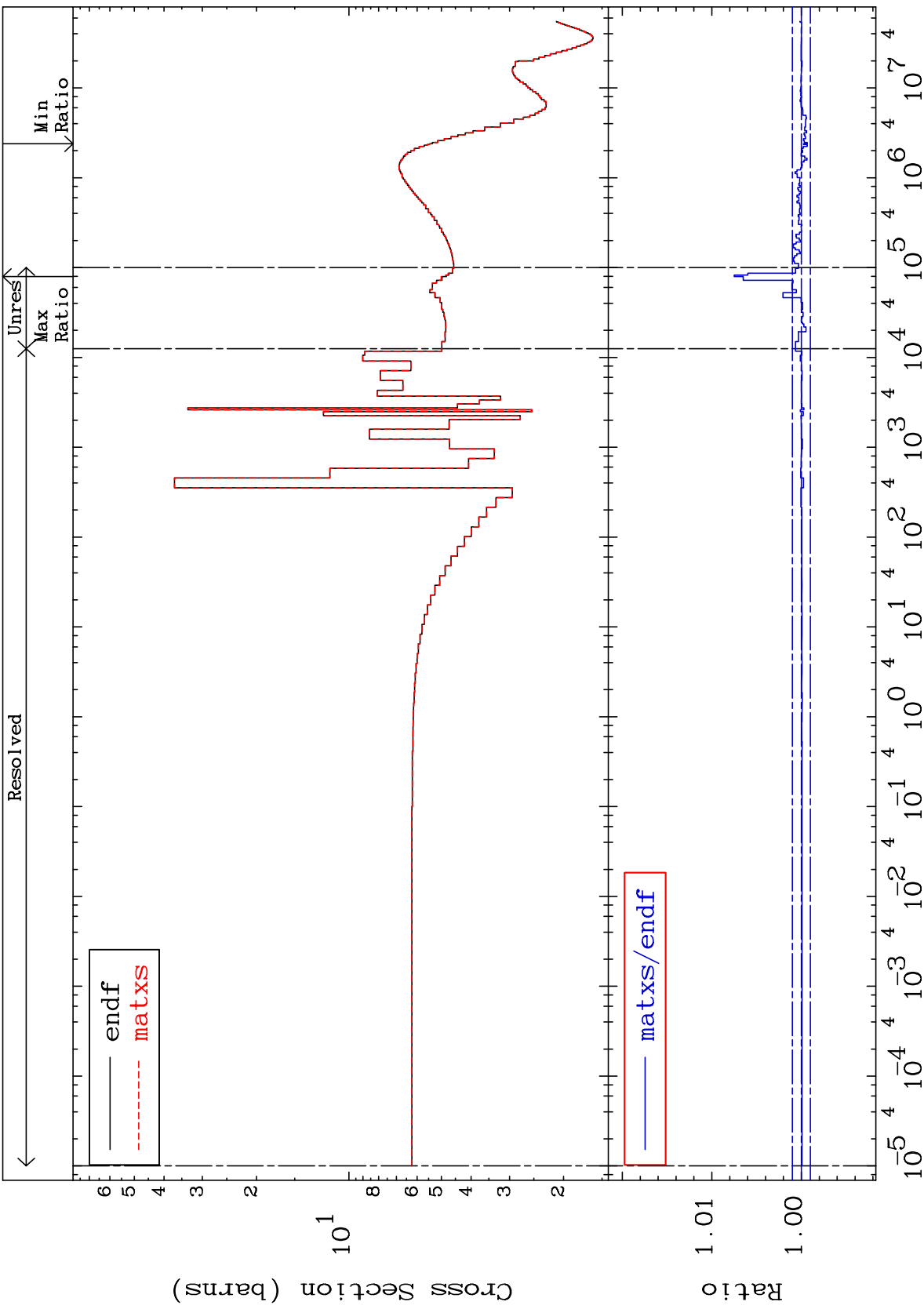


56-Ba-137

MAT 5646

### Elastic Cross Section

56-Ba-137  
-0.066 To 0.750 %



2

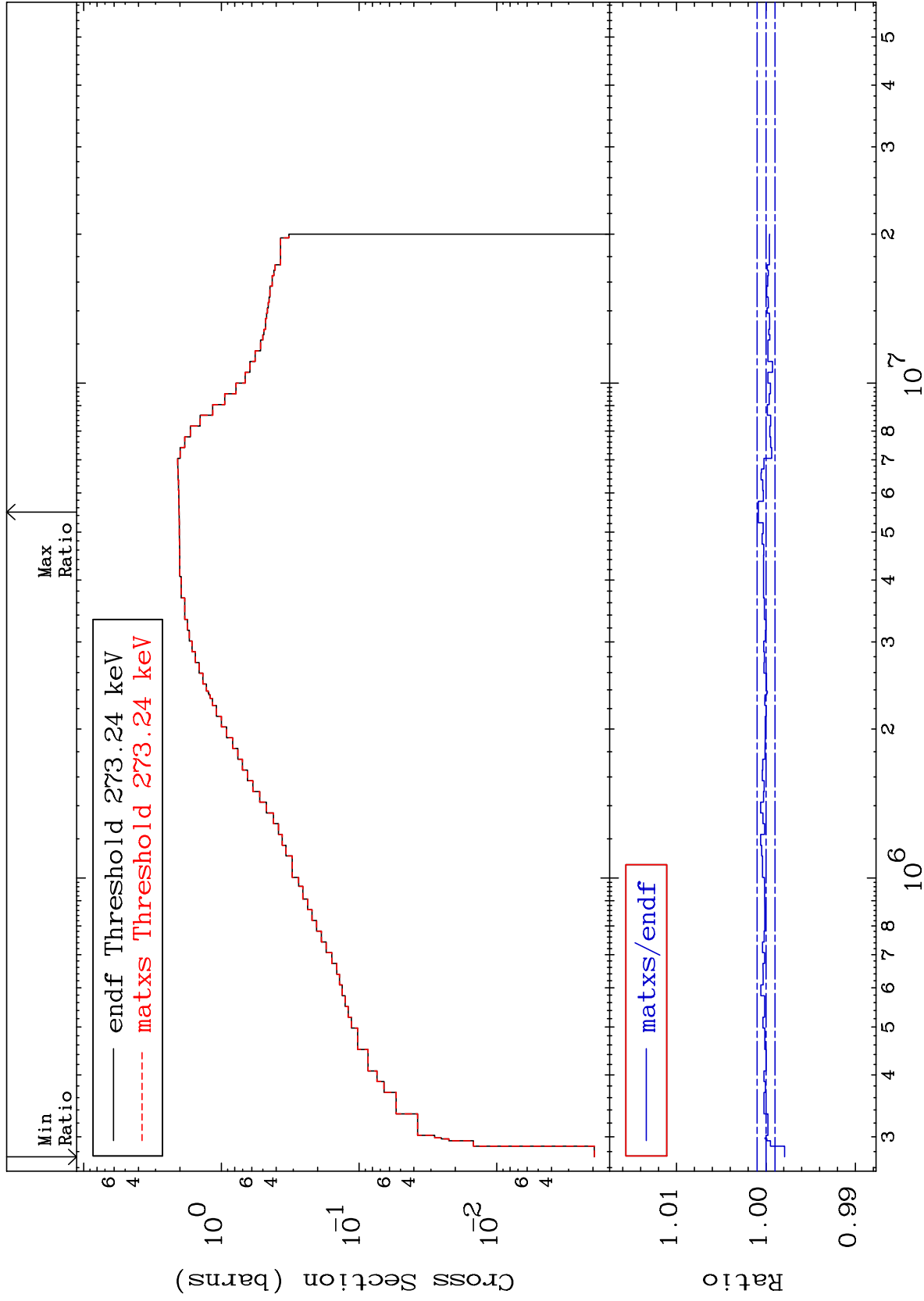
Incident Energy (eV)

56-Ba-137

MAT 5646

Inelastic  
Cross Section

56-Ba-137  
-0.207 To 0.086 %



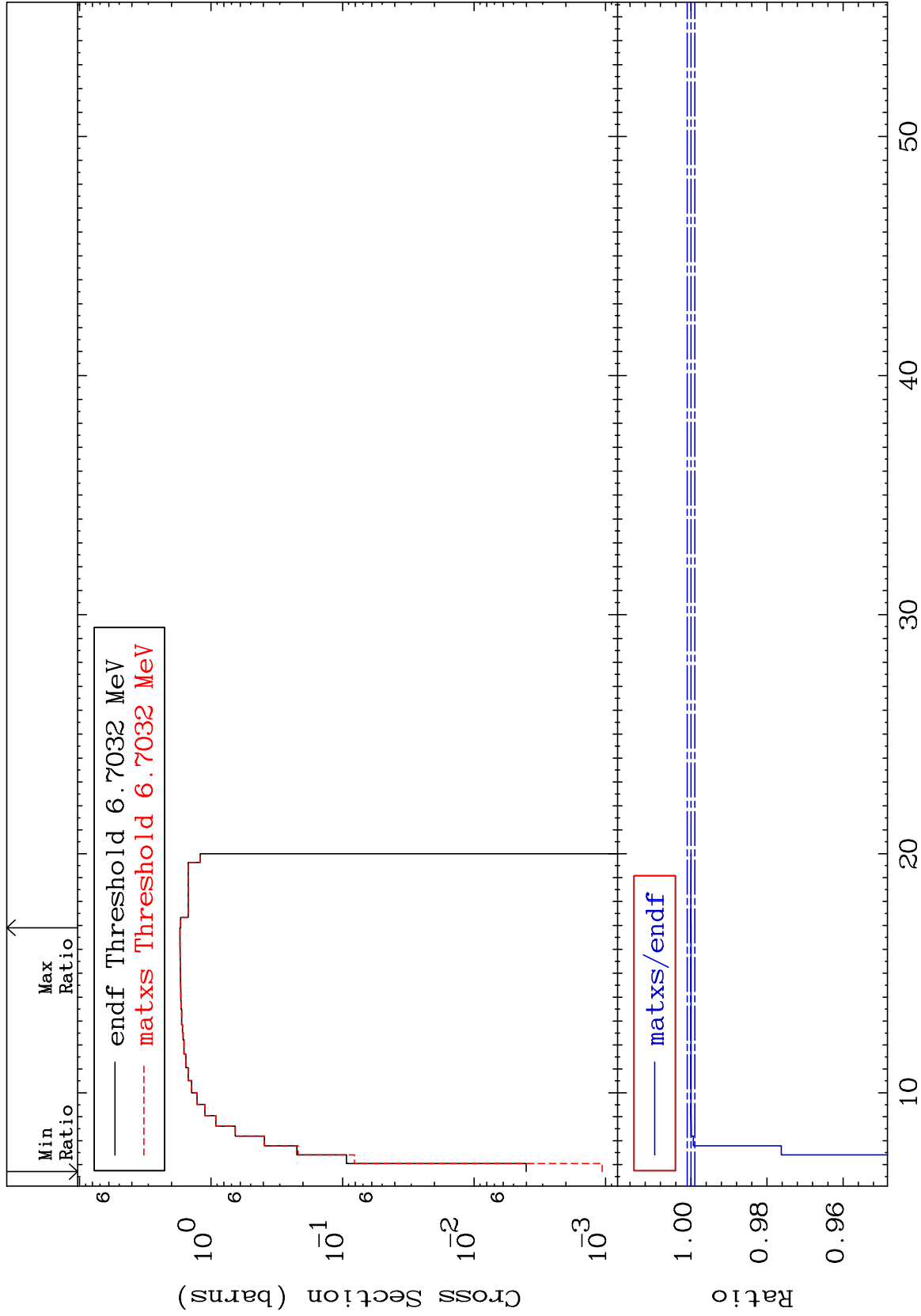
3

56-Ba-137

MAT 5646

(n,2n)  
Cross Section

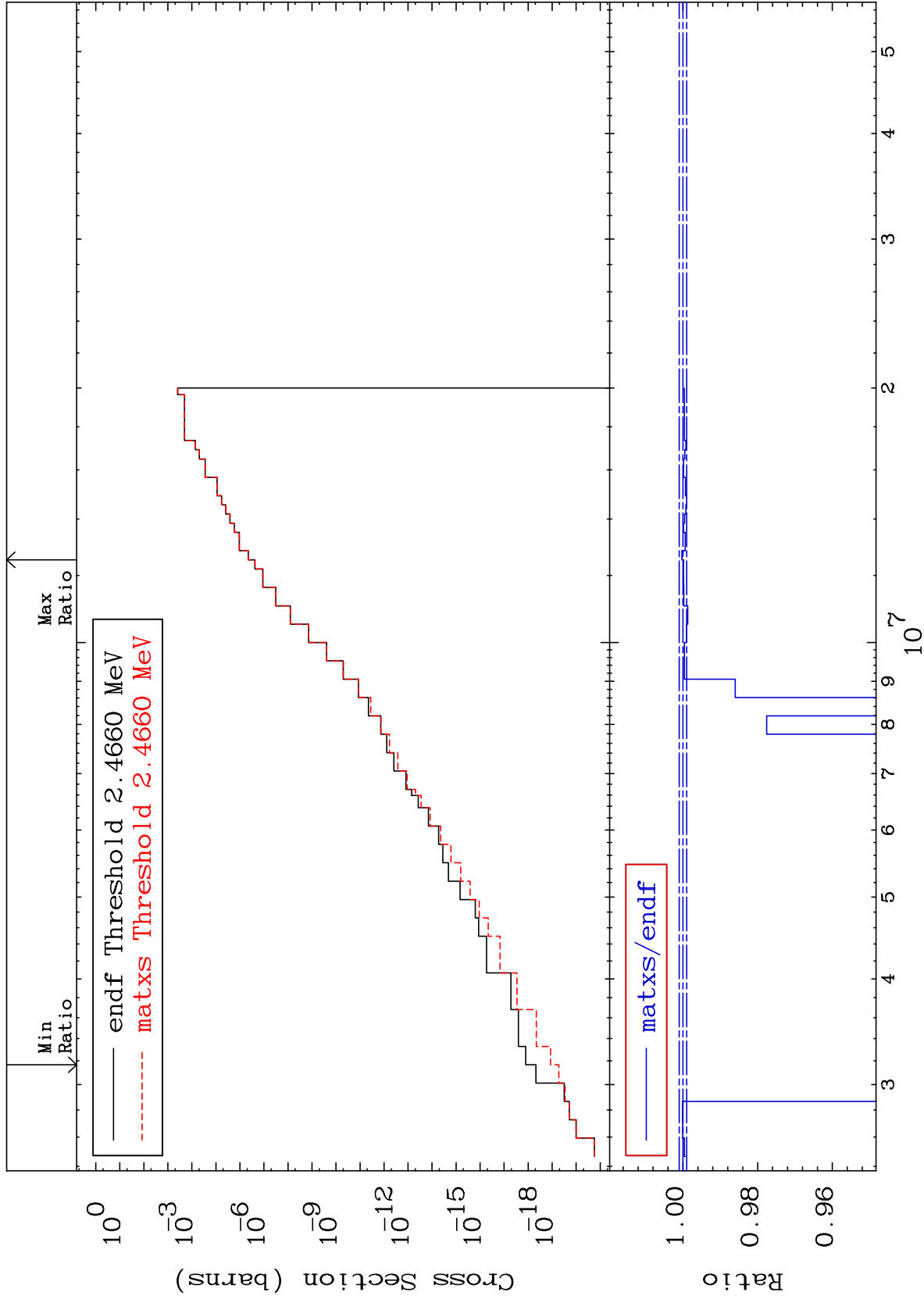
56-Ba-137  
-73.58 To 0.003 %



MAT 5646

(n, n')  $\alpha$   
Cross Section

56-Ba-137  
-90.66 To 0.025 %



5

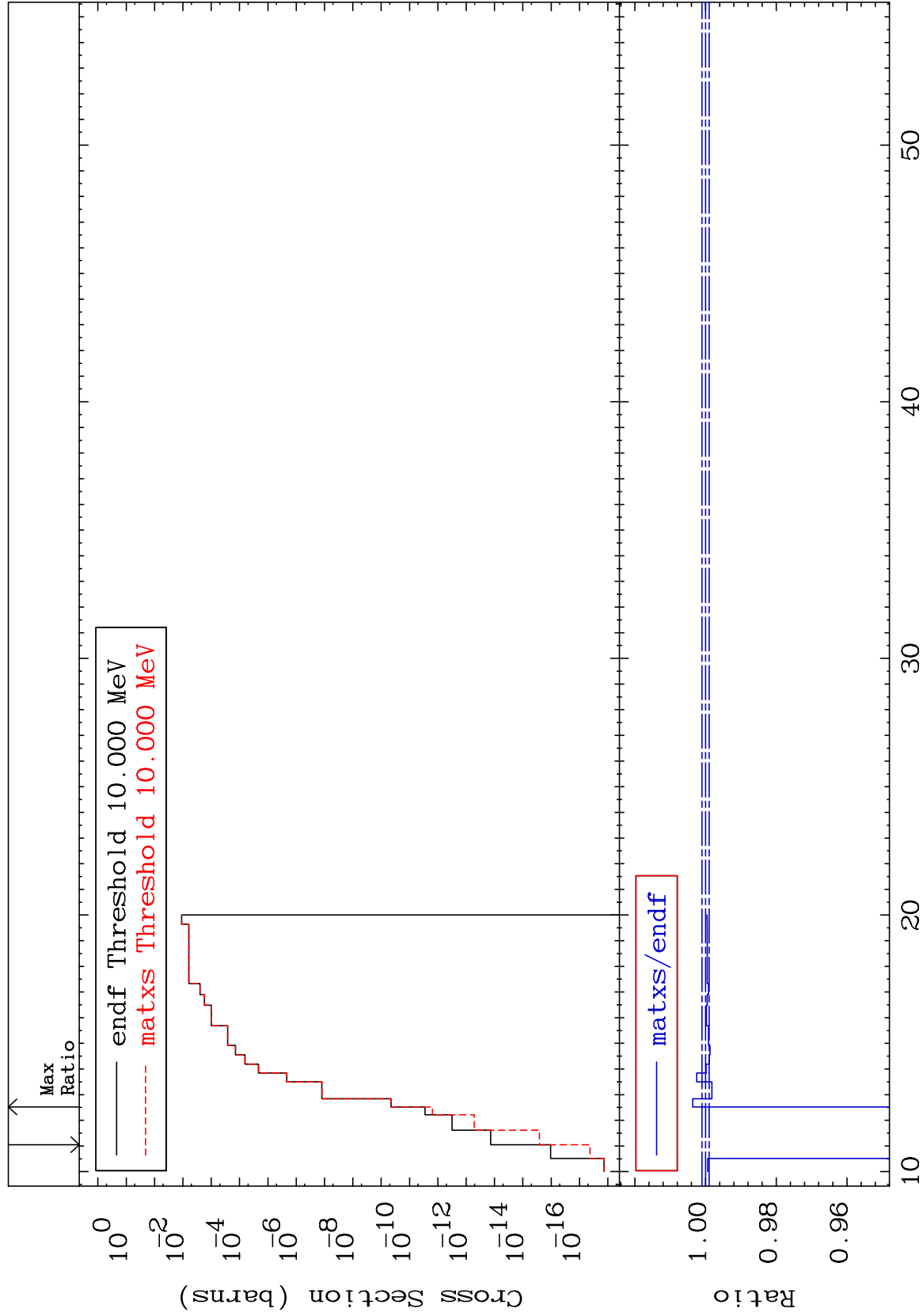
Incident Energy (eV)

56-Ba-137

MAT 5646

(n, n') p  
Cross Section

56-Ba-137  
-98.08 To 0.362 %



6

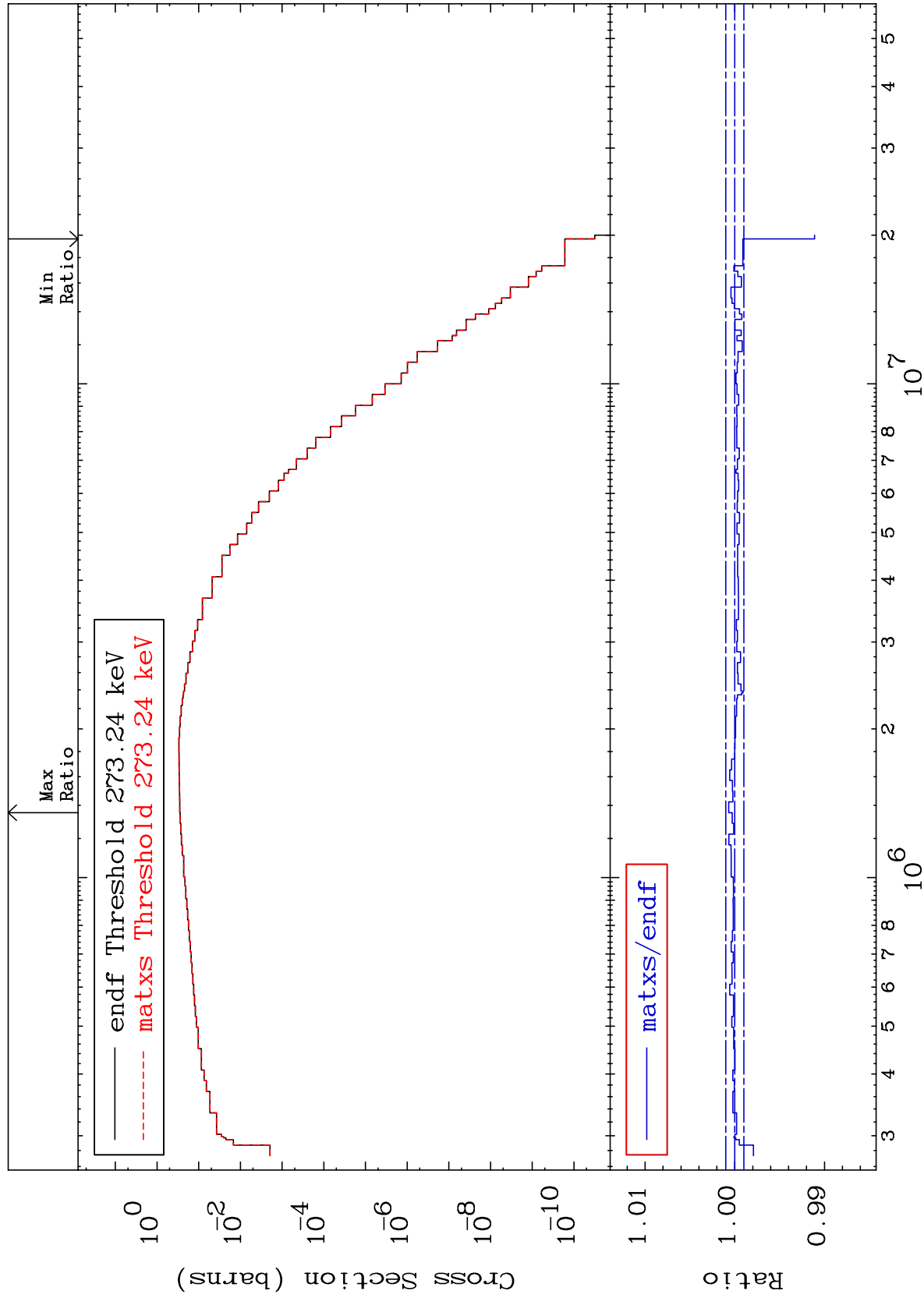
Incident Energy (MeV)

56-Ba-137

MAT 5646

279.2 keV (n,n') Level  
Cross Section

56-Ba-137  
-0.889 To 0.067 %



7

Incident Energy (eV)

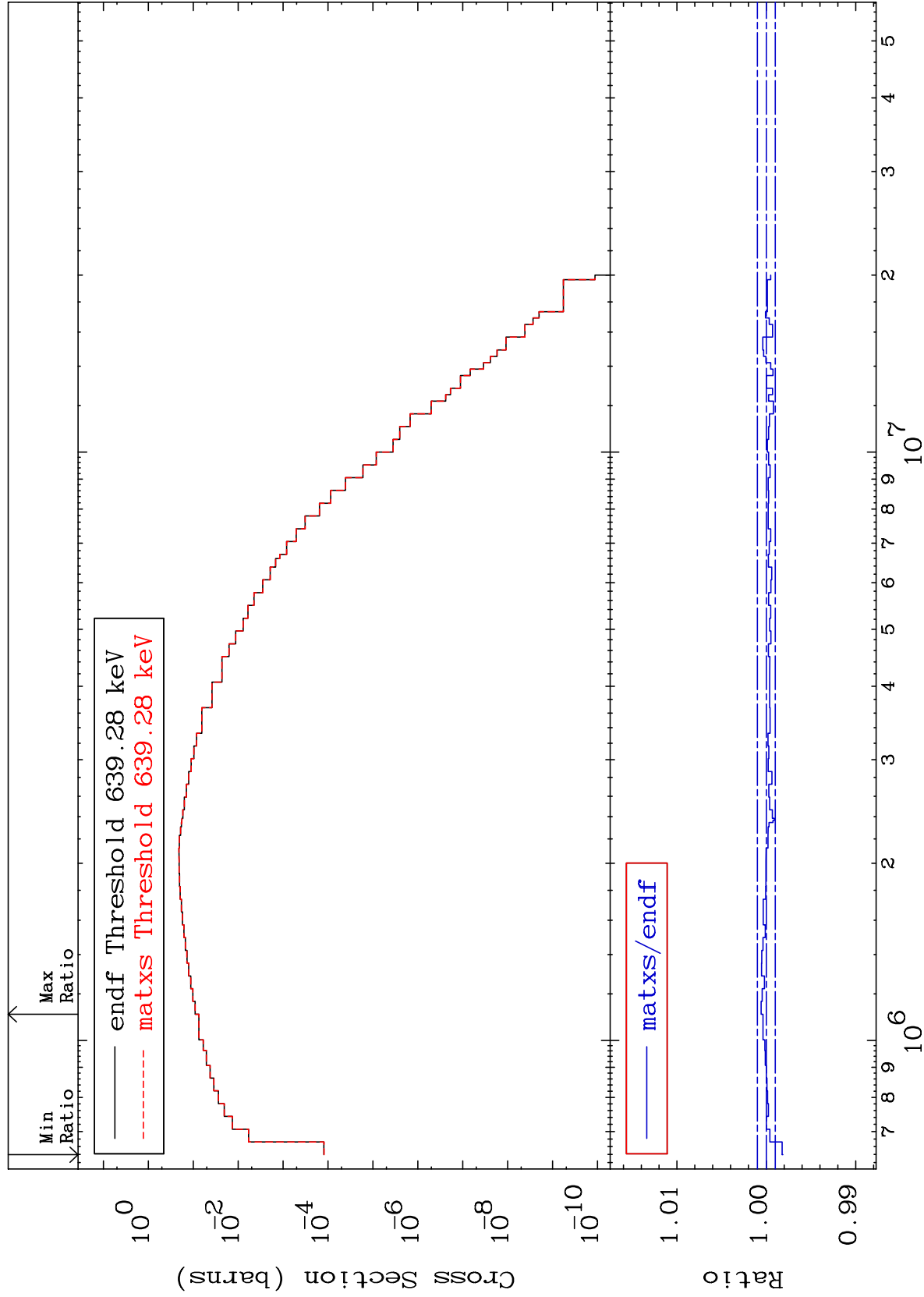
56-Ba-137



MAT 5646

661.6 keV (n,n') Level  
Cross Section

56-Ba-137  
-0.178 To 0.059 %



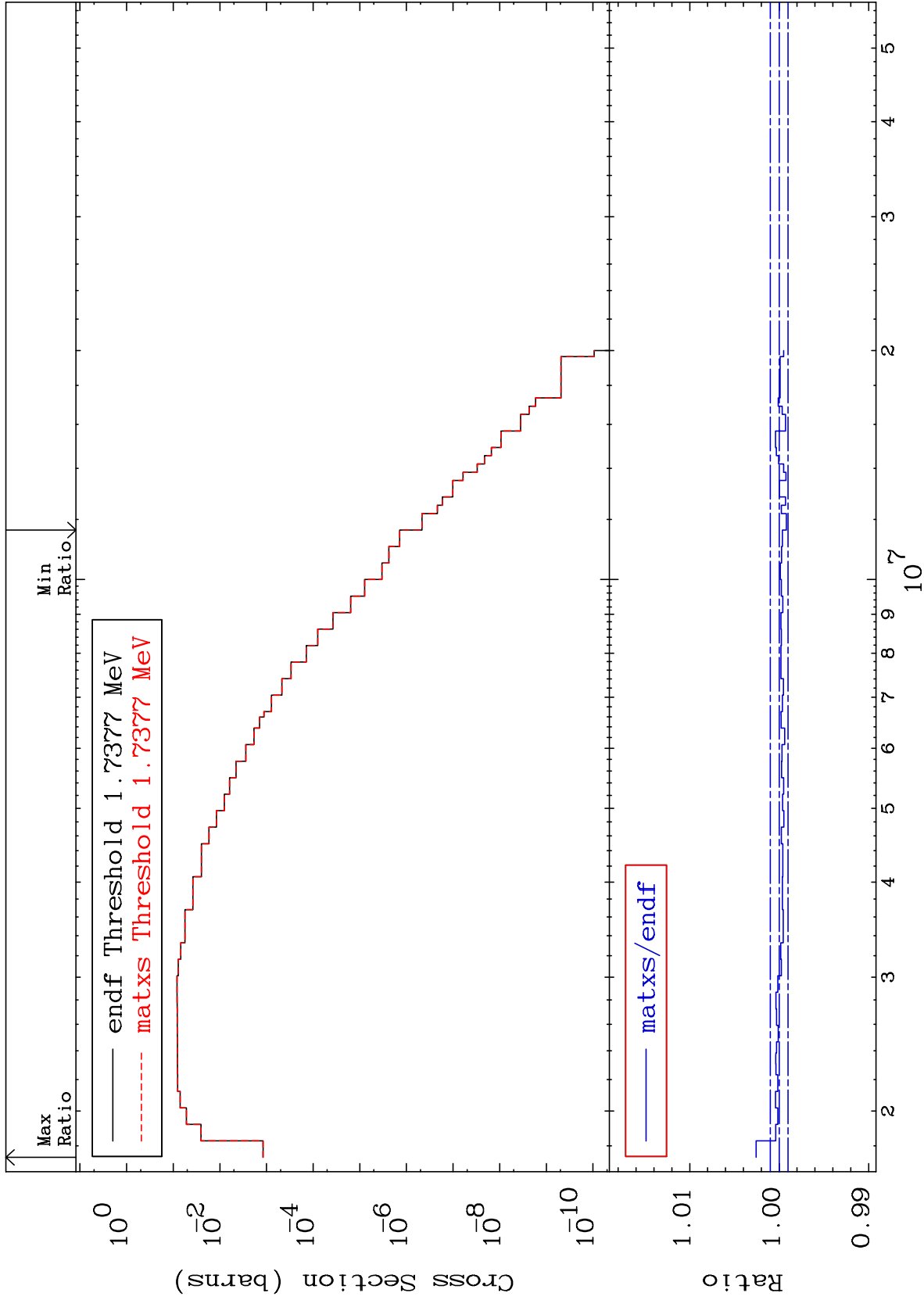
8

56-Ba-137

MAT 5646

1.790 MeV (n,n') Level  
Cross Section

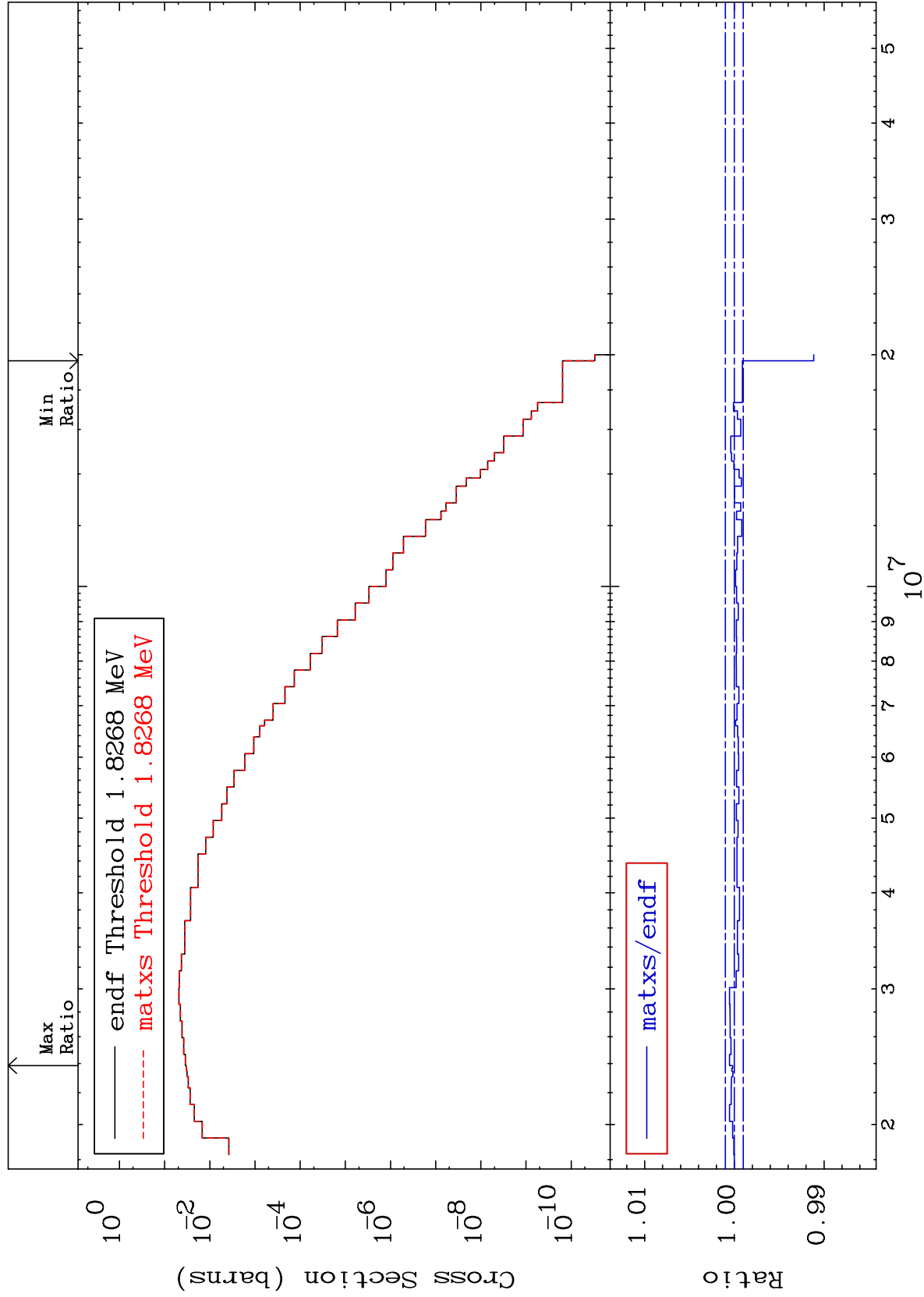
56-Ba-137  
-0.080 To 0.257 %



MAT 5646

1.840 MeV (n,n') Level  
Cross Section

56-Ba-137  
-0.886 To 0.055 %



10

Incident Energy (eV)

56-Ba-137

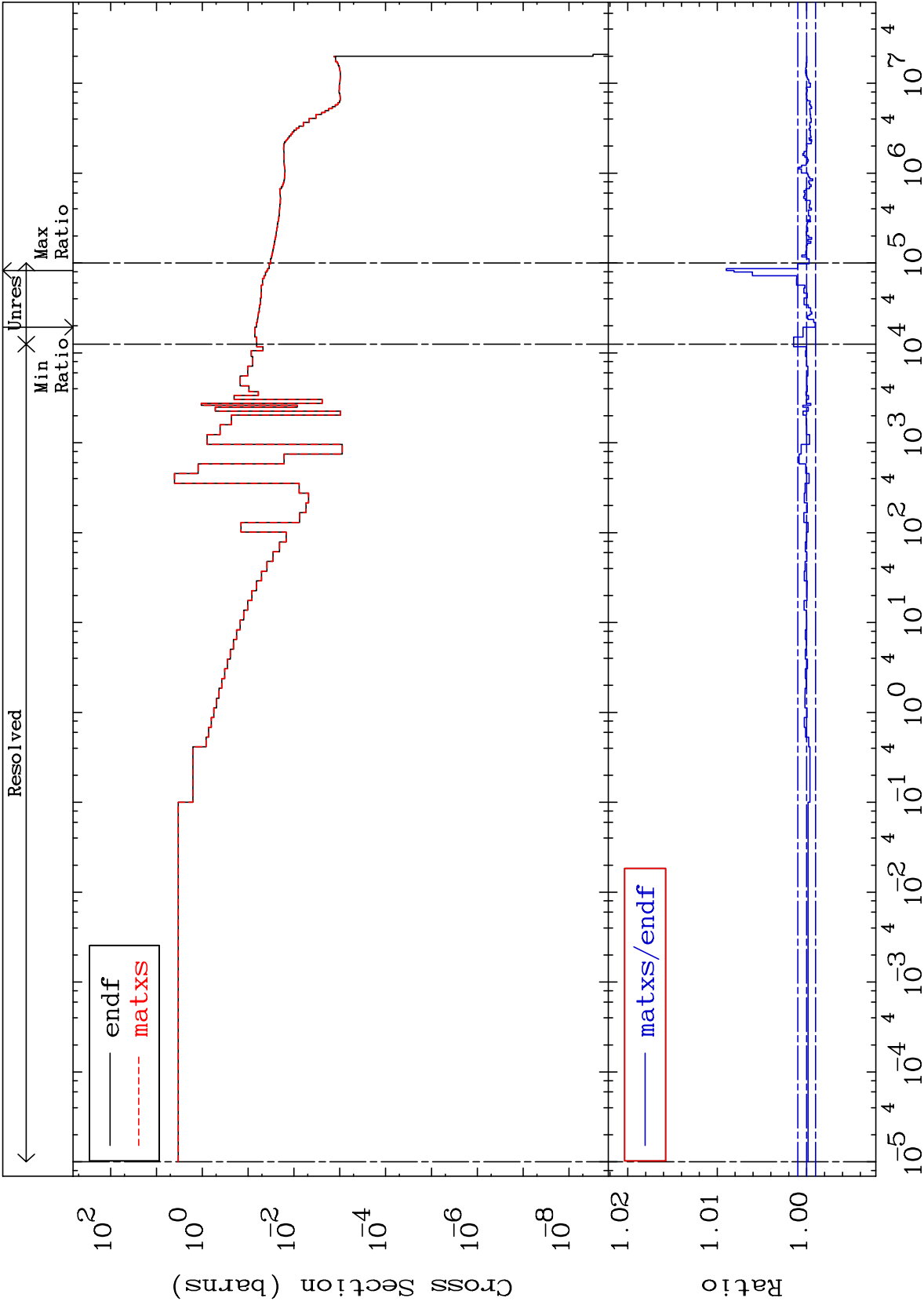
MAT 5646

(n,  $\gamma$ )

56-Ba-137

Cross Section

-0.095 To 0.899 %



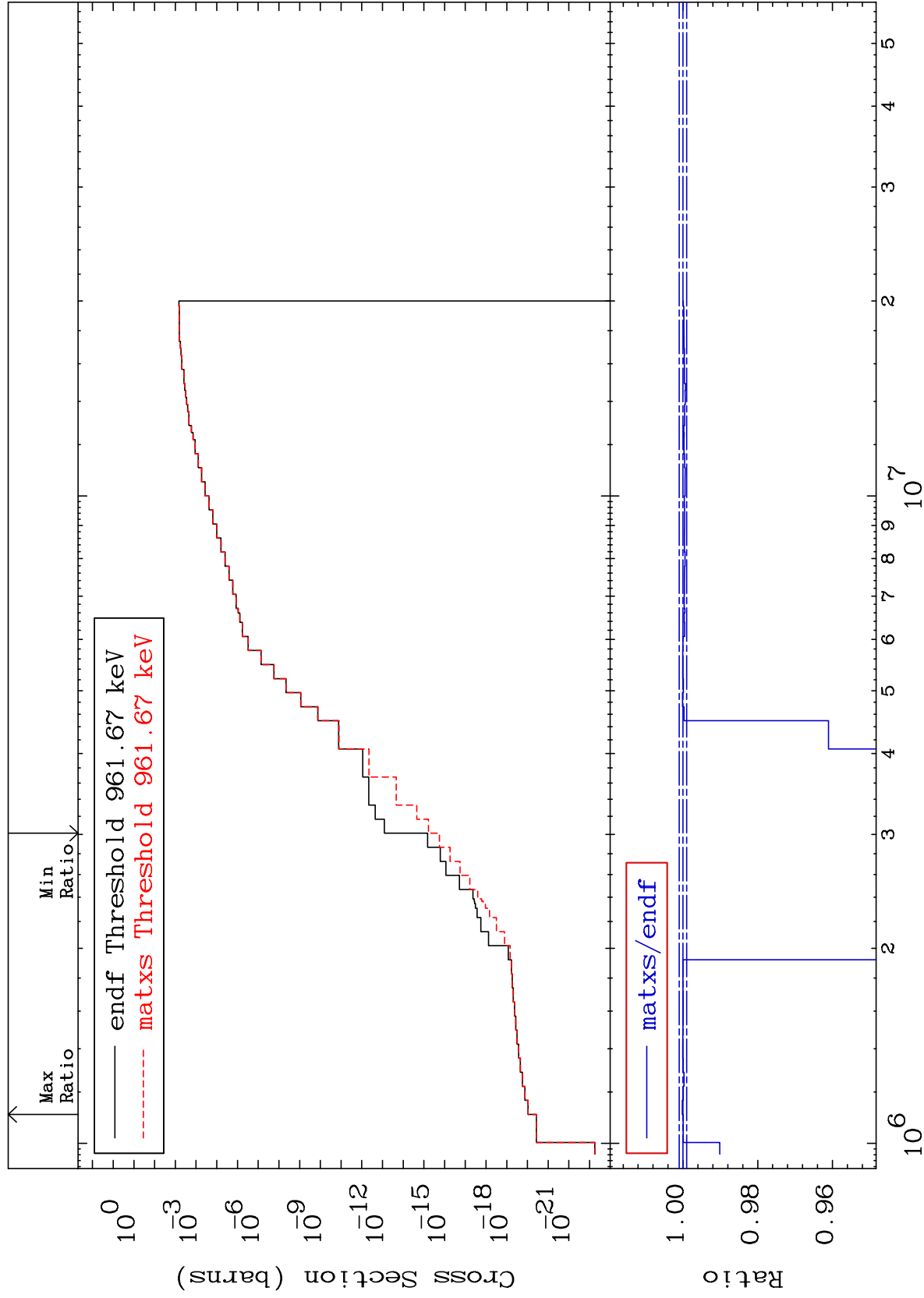
MAT 5646

(n,p)

56-Ba-137

Cross Section

-99.25 To 0.016 %



12

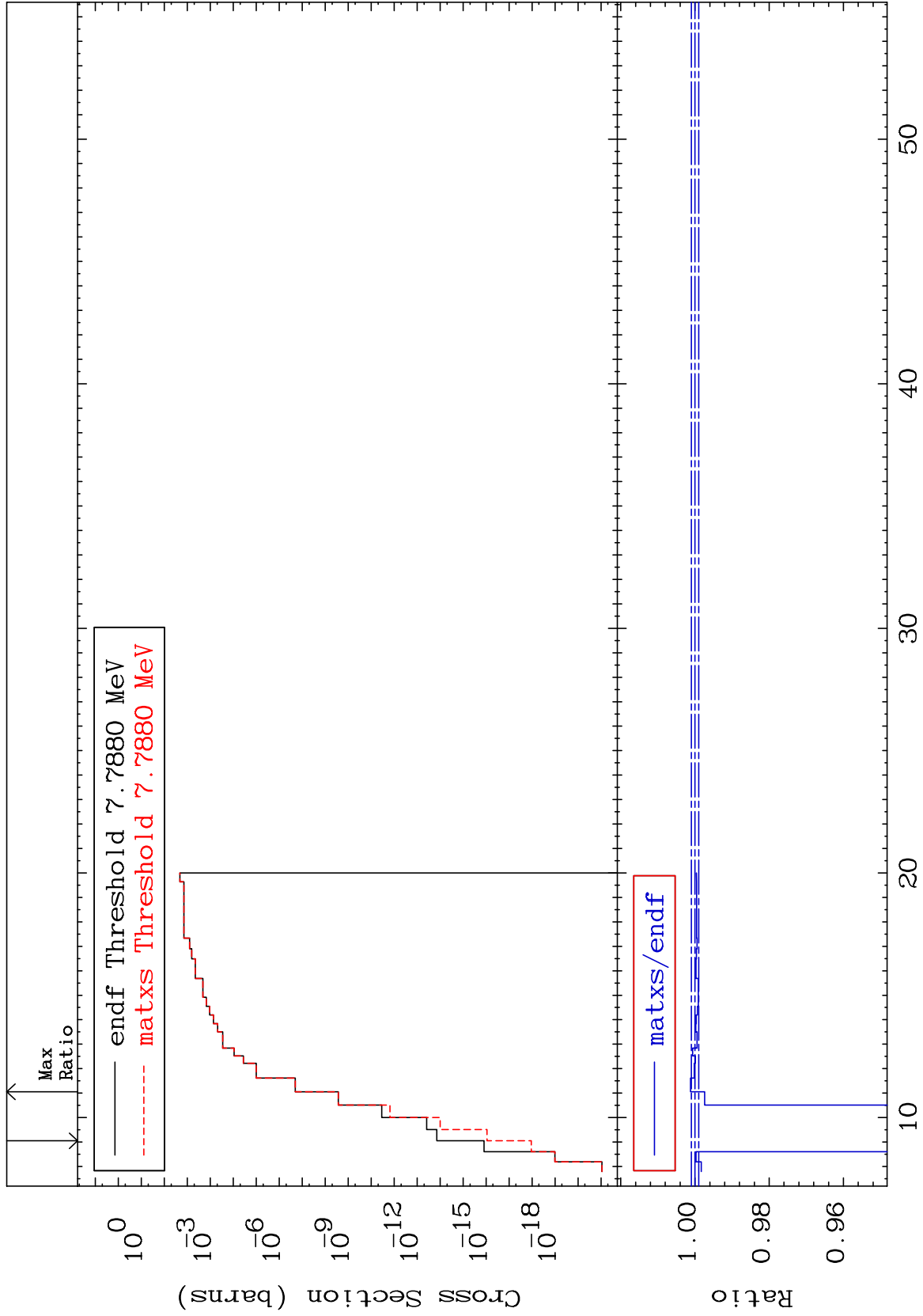
Incident Energy (eV)

56-Ba-137

MAT 5646

(n, d)  
Cross Section

56-Ba-137  
-99.35 To 0.119 %



13

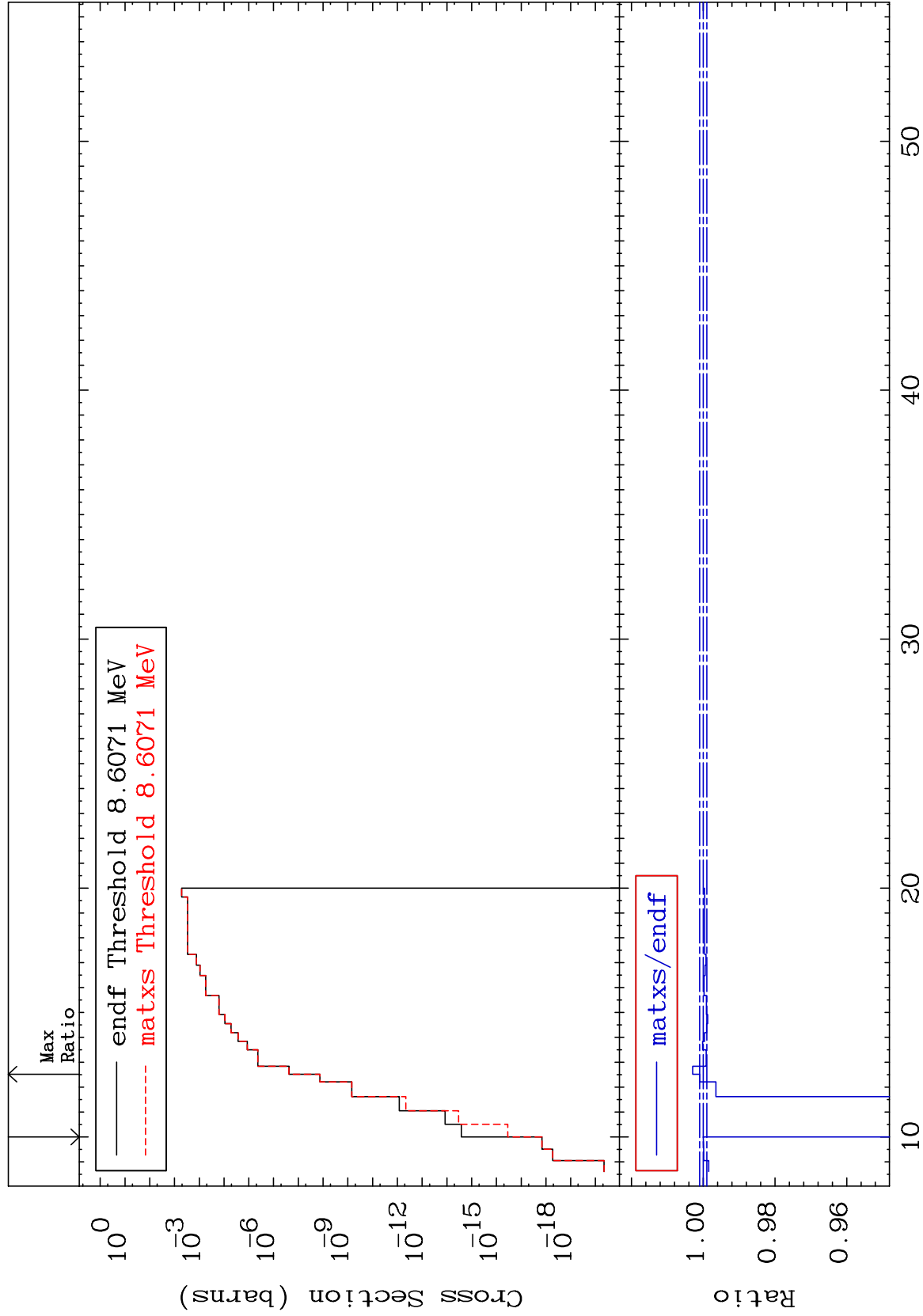
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n, t)  
Cross Section

56-Ba-137  
-98.66 To 0.293 %



14

Incident Energy (MeV)

56-Ba-137