

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

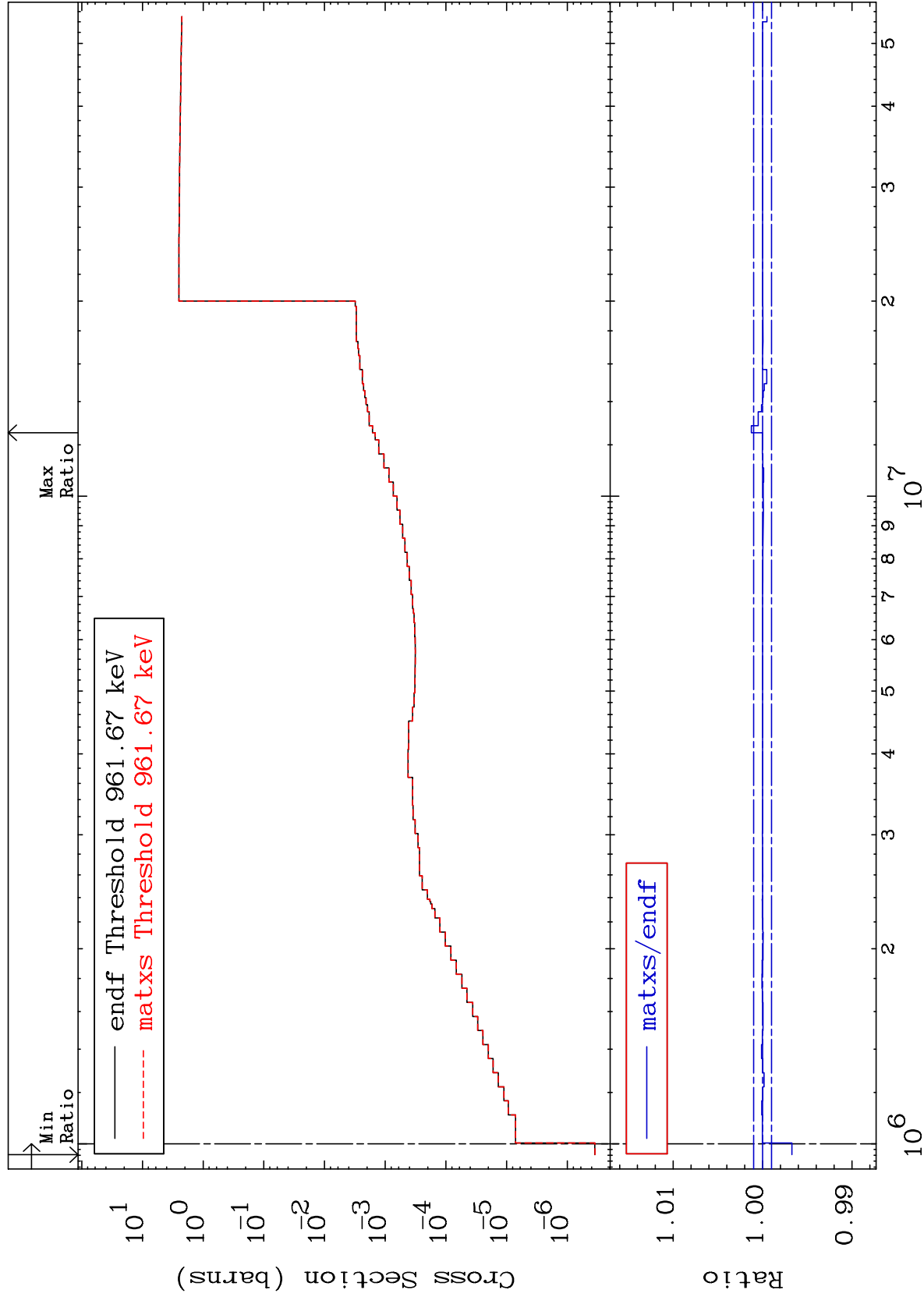
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [home.comcast.net/~redcullen1](http://home.comcast.net/~redcullen1)

Press Mouse Button to Start

MAT 8237

(n, remainder)  
Cross Section

82-Pb-208  
-0.328 To 0.126 %

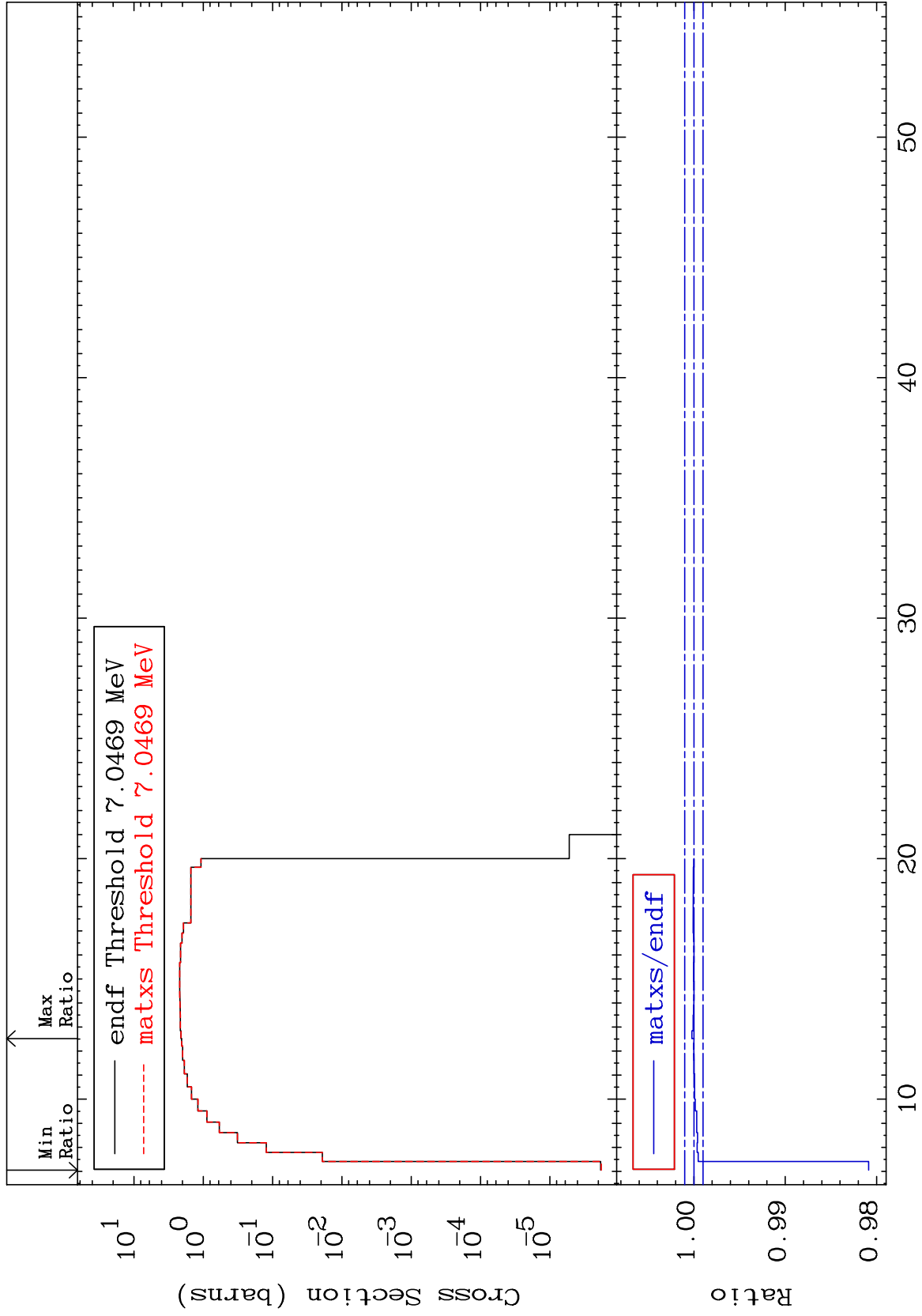


82-Pb-208

MAT 8237

(n,2n)  
Cross Section

82-Pb-208  
-1.913 To 0.021 %



2

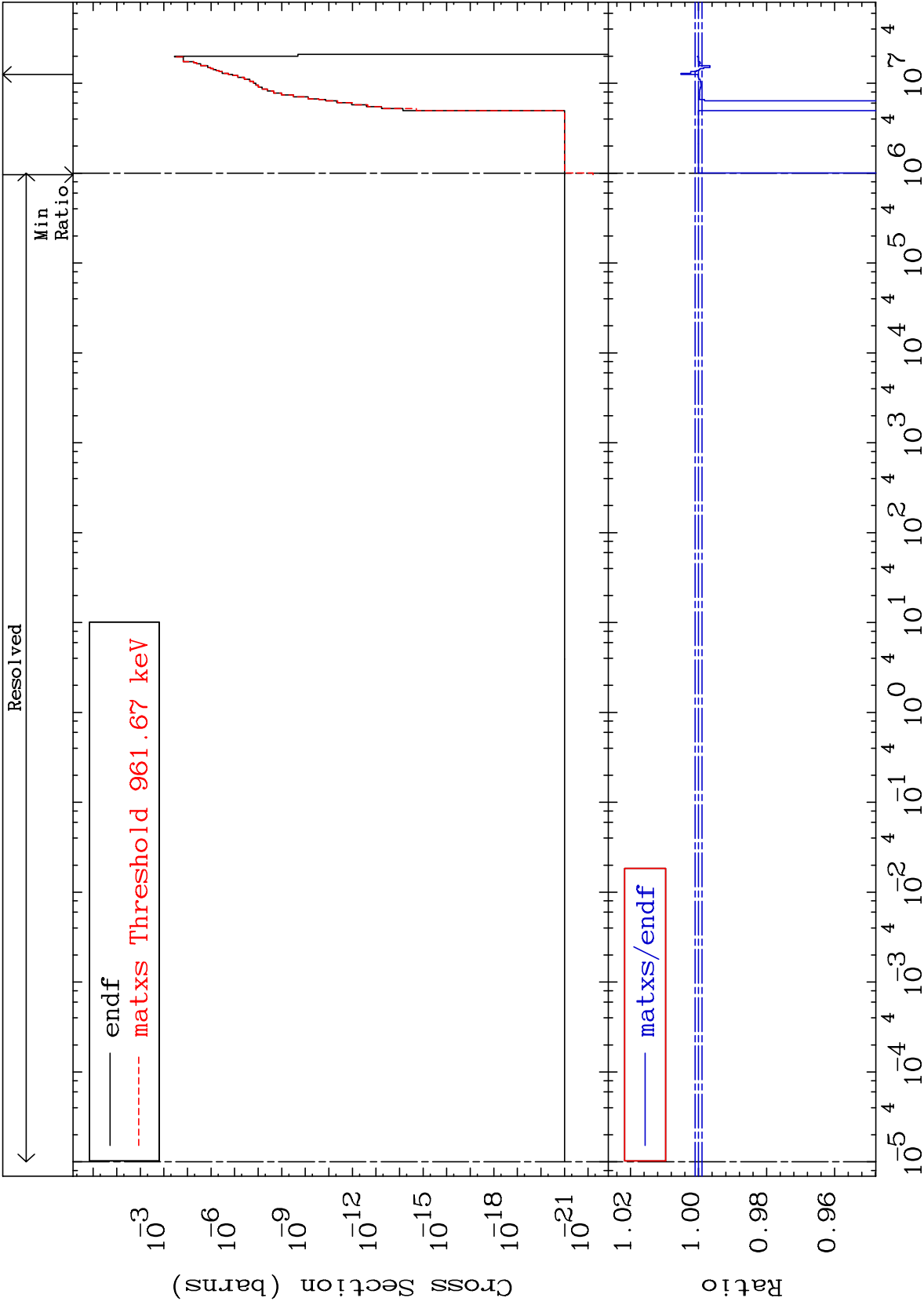
Incident Energy (MeV)

82-Pb-208

MAT 8237

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

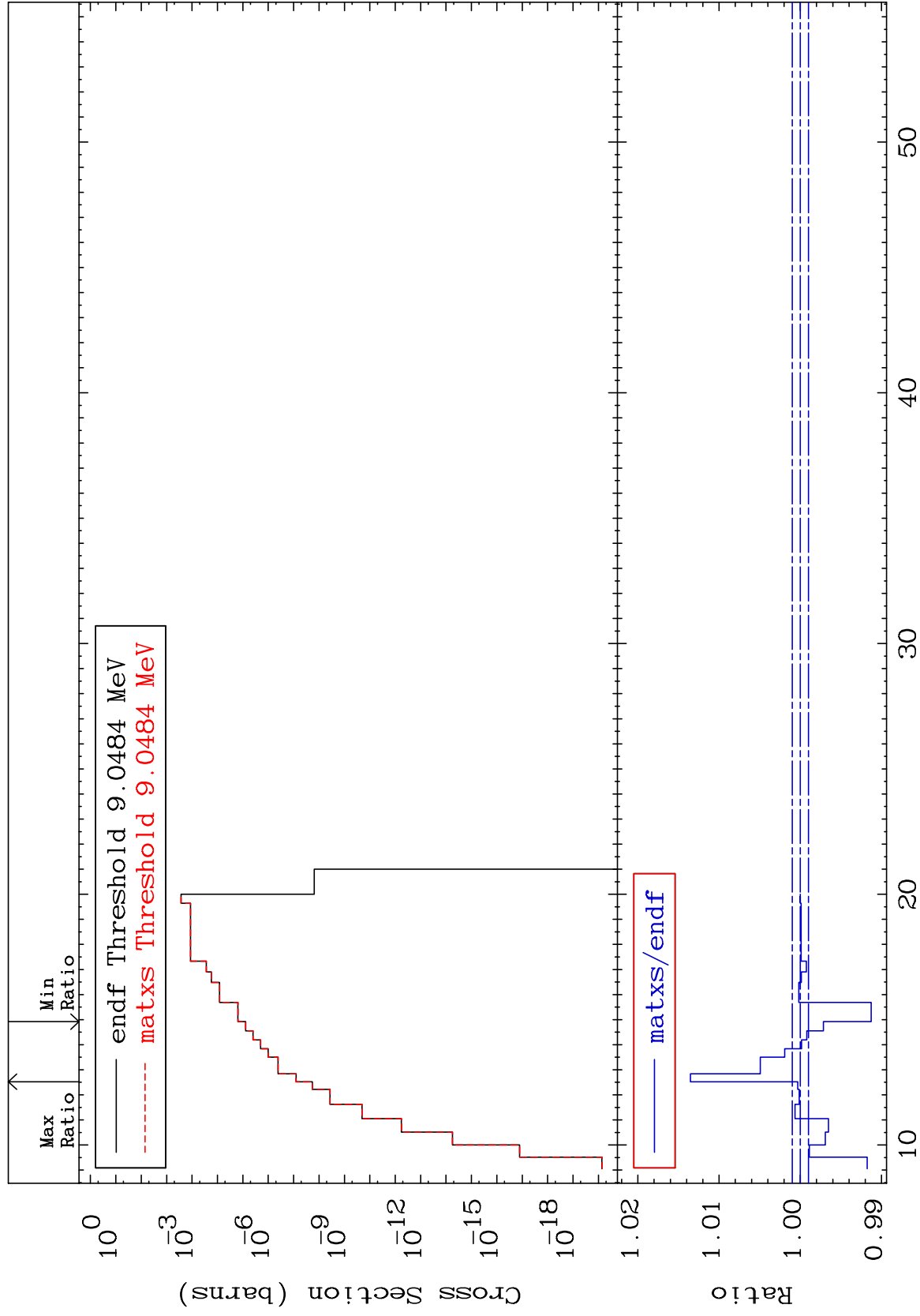
82-Pb-208  
-93.79 To 0.518 %



MAT 8237

(n, n') p  
Cross Section

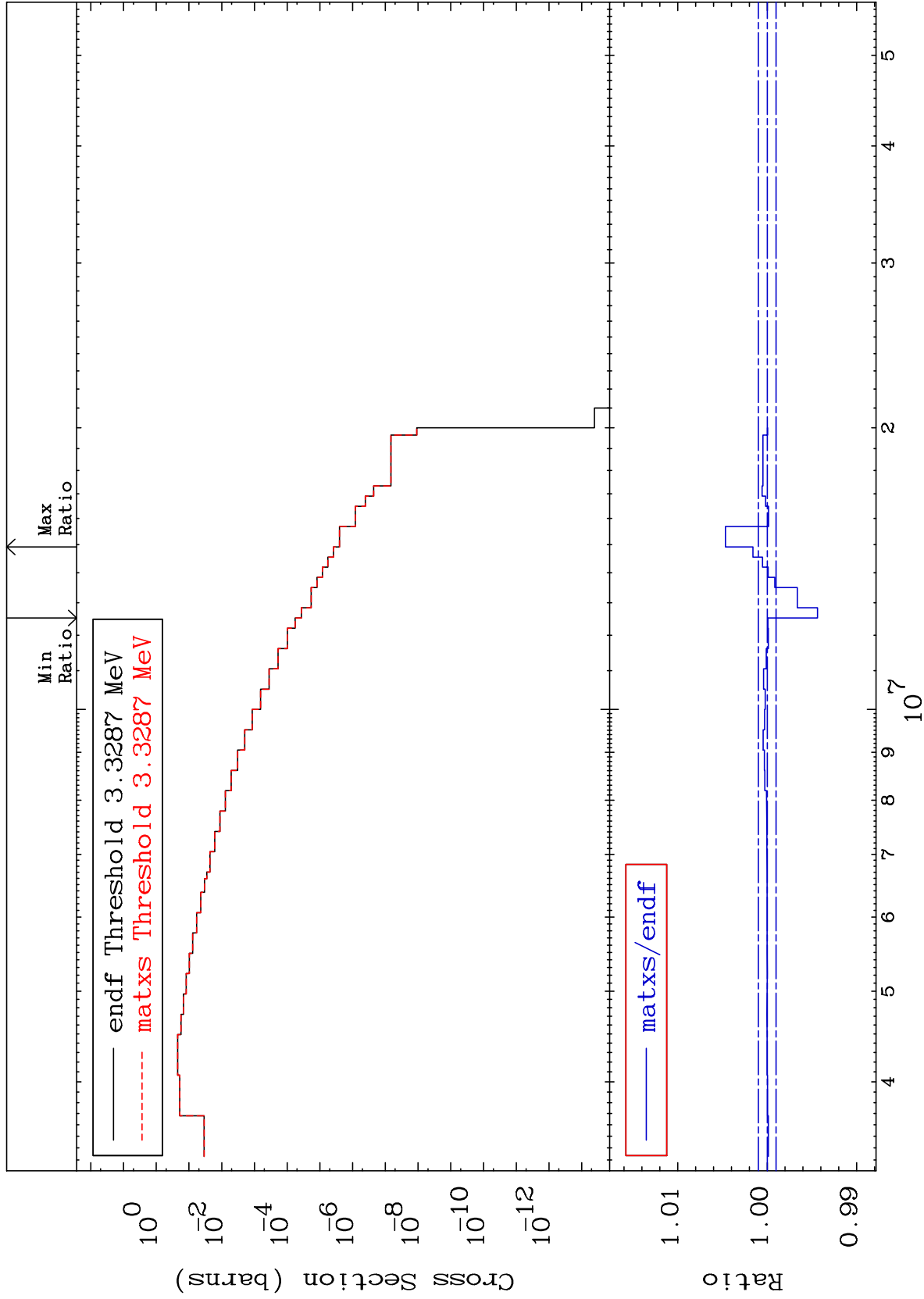
82-Pb-208  
-0.873 To 1.352 %



MAT 8237

3.475 MeV (n,n') Level  
Cross Section

82-Pb-208  
-0.561 To 0.467 %



5

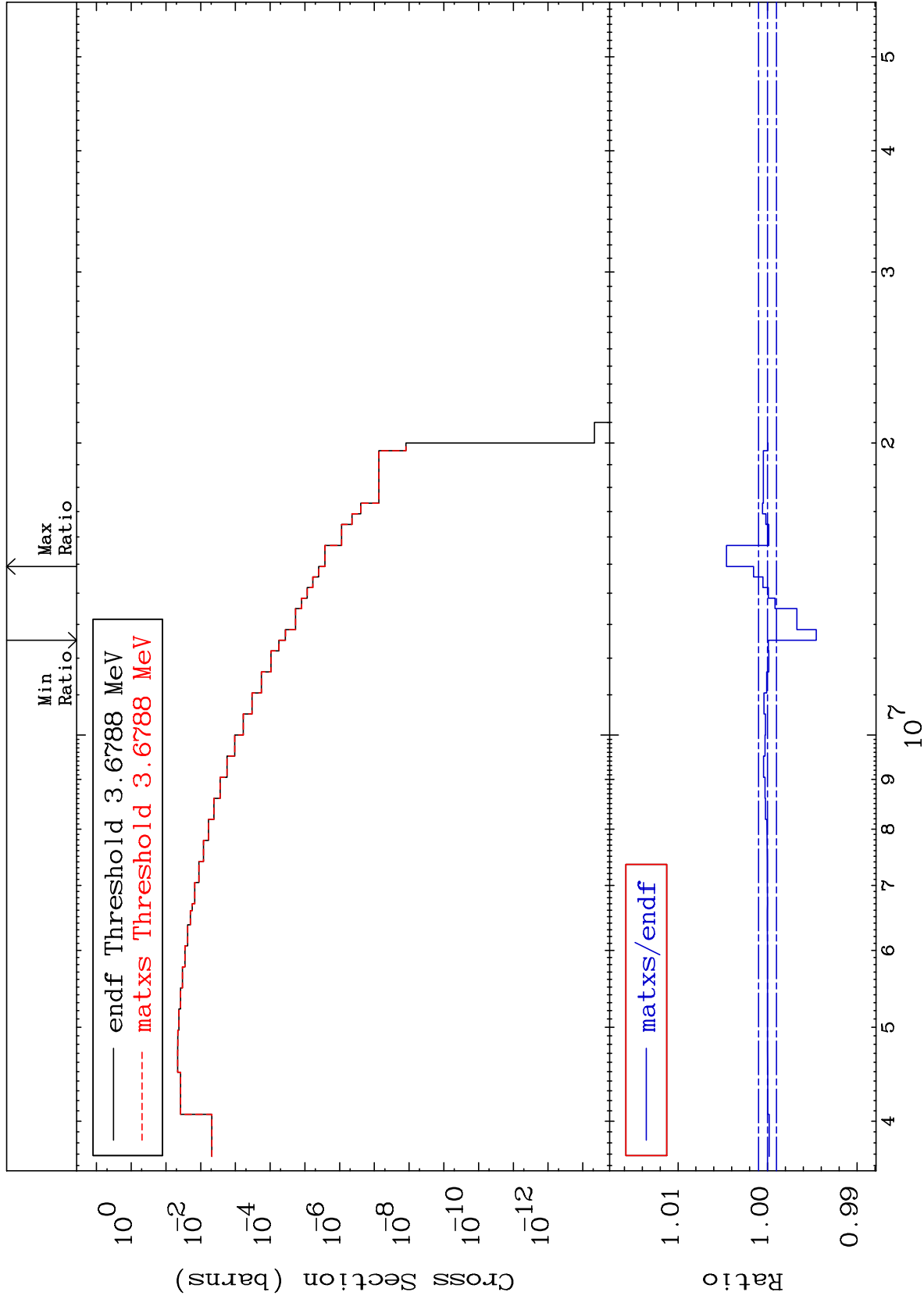
Incident Energy (eV)

82-Pb-208

MAT 8237

3.920 MeV (n,n') Level  
Cross Section

82-Pb-208  
-0.546 To 0.459 %



6

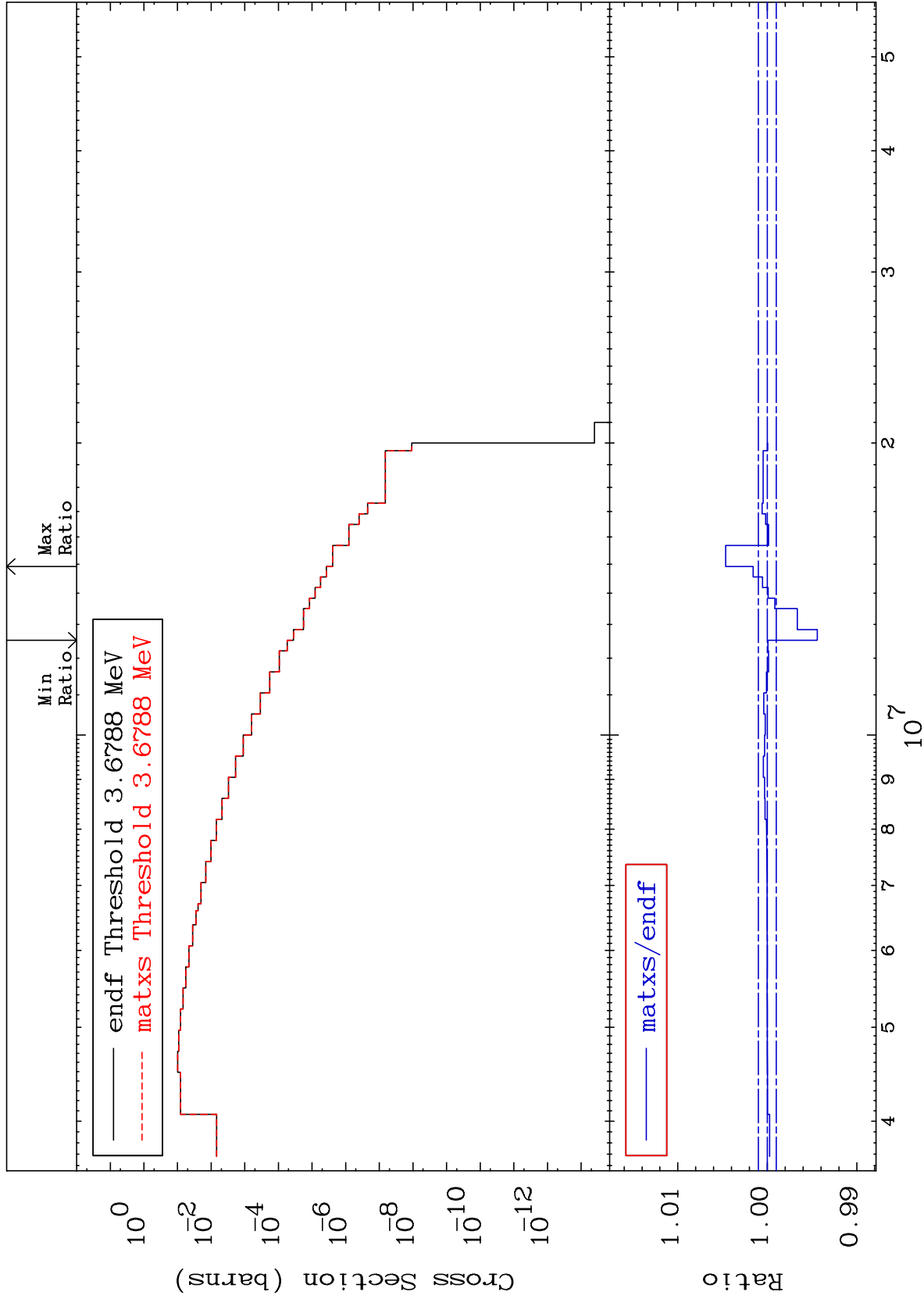
Incident Energy (eV)

82-Pb-208

MAT 8237

3.946 MeV (n,n') Level  
Cross Section

82-Pb-208  
-0.558 To 0.466 %



7

Incident Energy (eV)

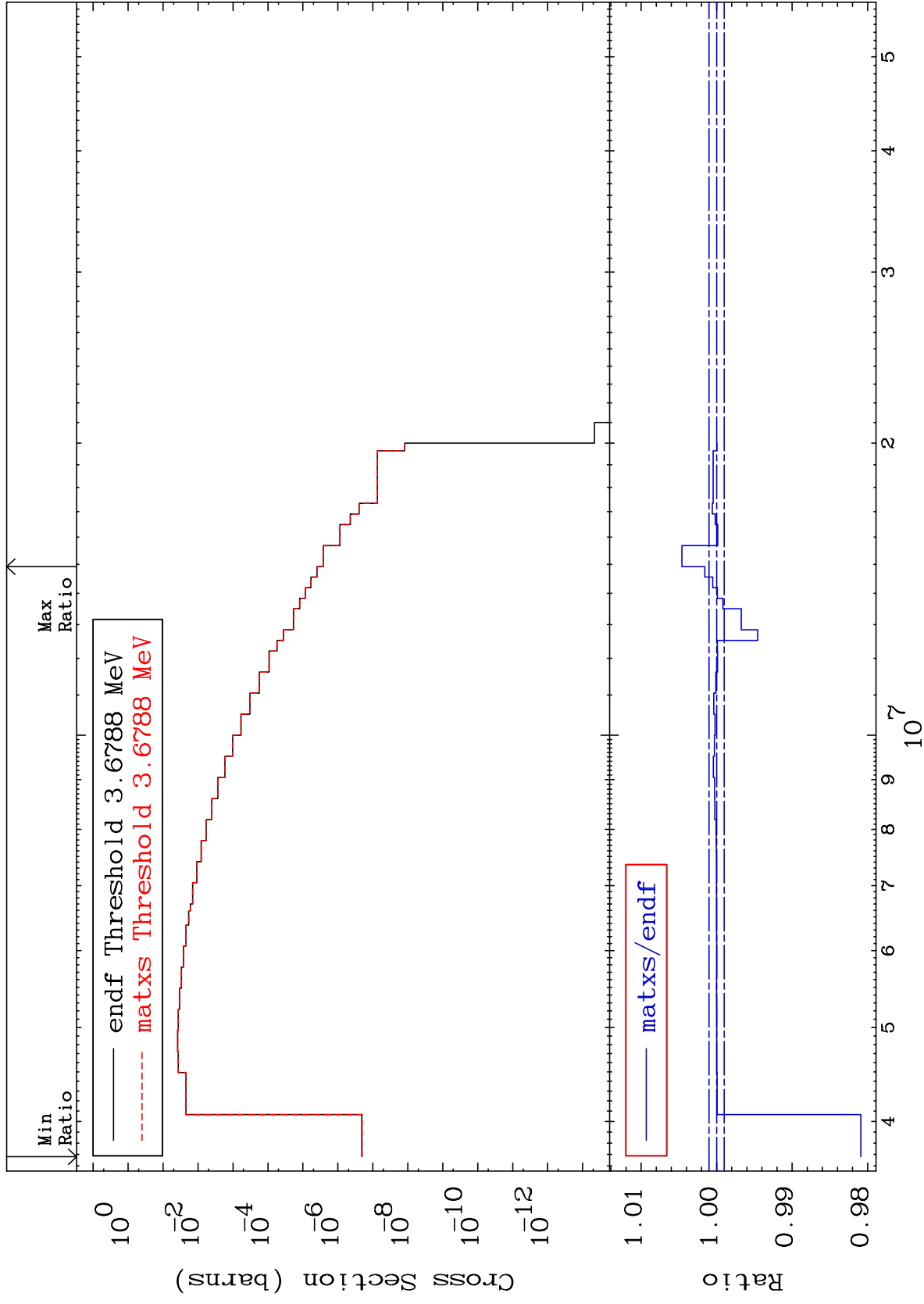
82-Pb-208



MAT 8237

4.045 MeV (n,n') Level  
Cross Section

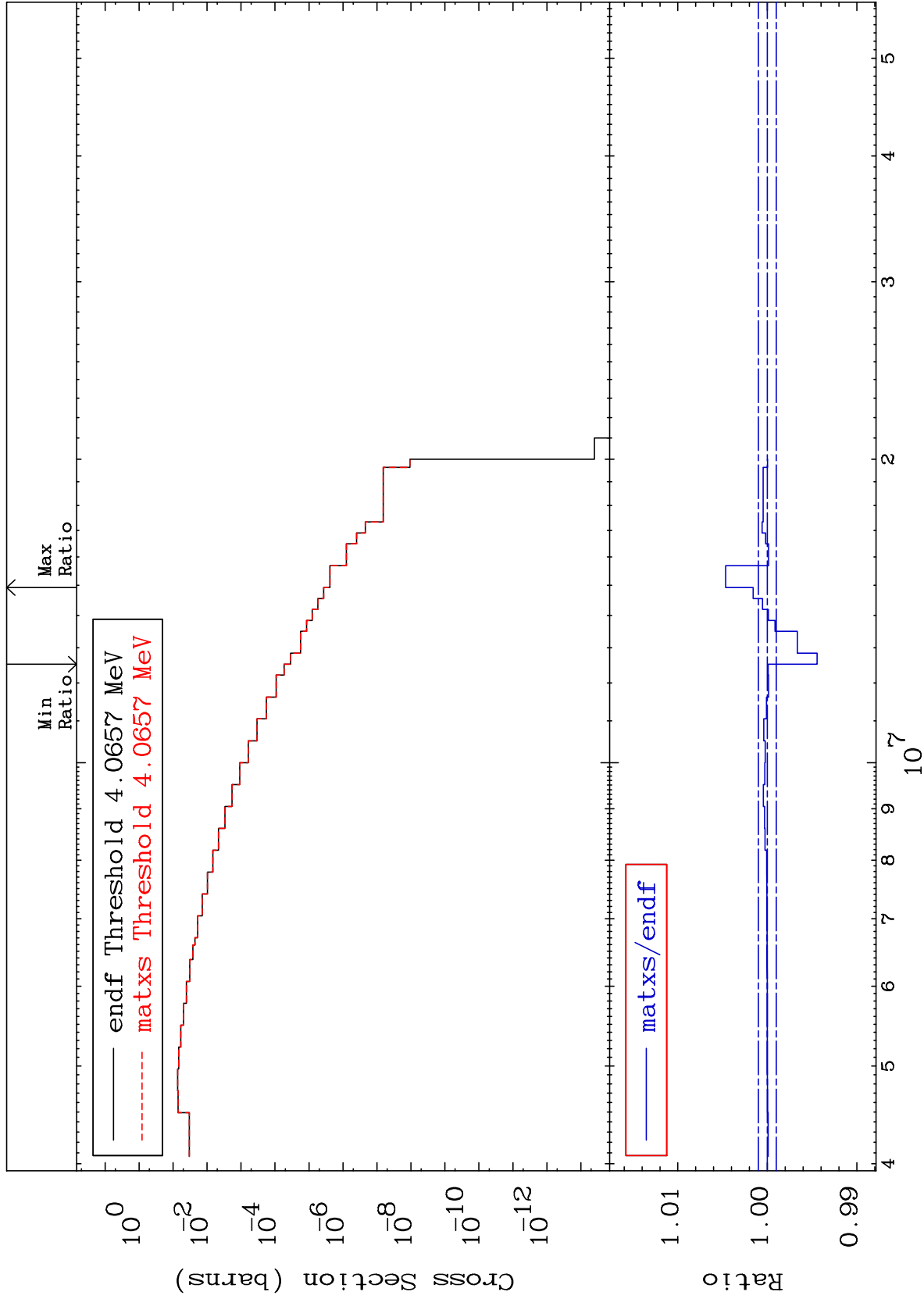
82-Pb-208  
-1.909 To 0.459 %



MAT 8237

4.125 MeV (n,n') Level  
Cross Section

82-Pb-208  
-0.557 To 0.466 %



9

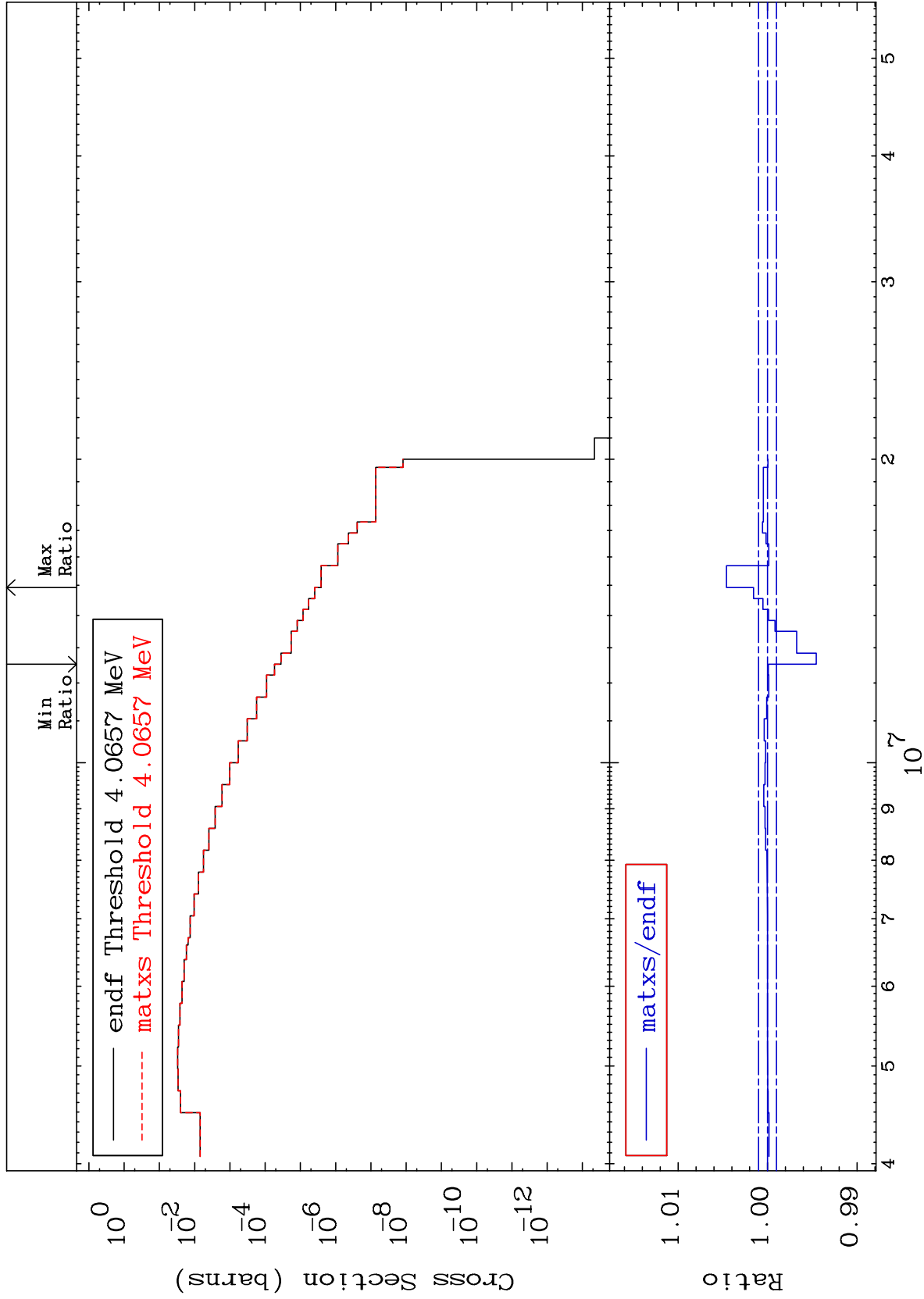
Incident Energy (eV)

82-Pb-208

MAT 8237

4.205 MeV (n,n') Level  
Cross Section

82-Pb-208  
-0.543 To 0.458 %



10

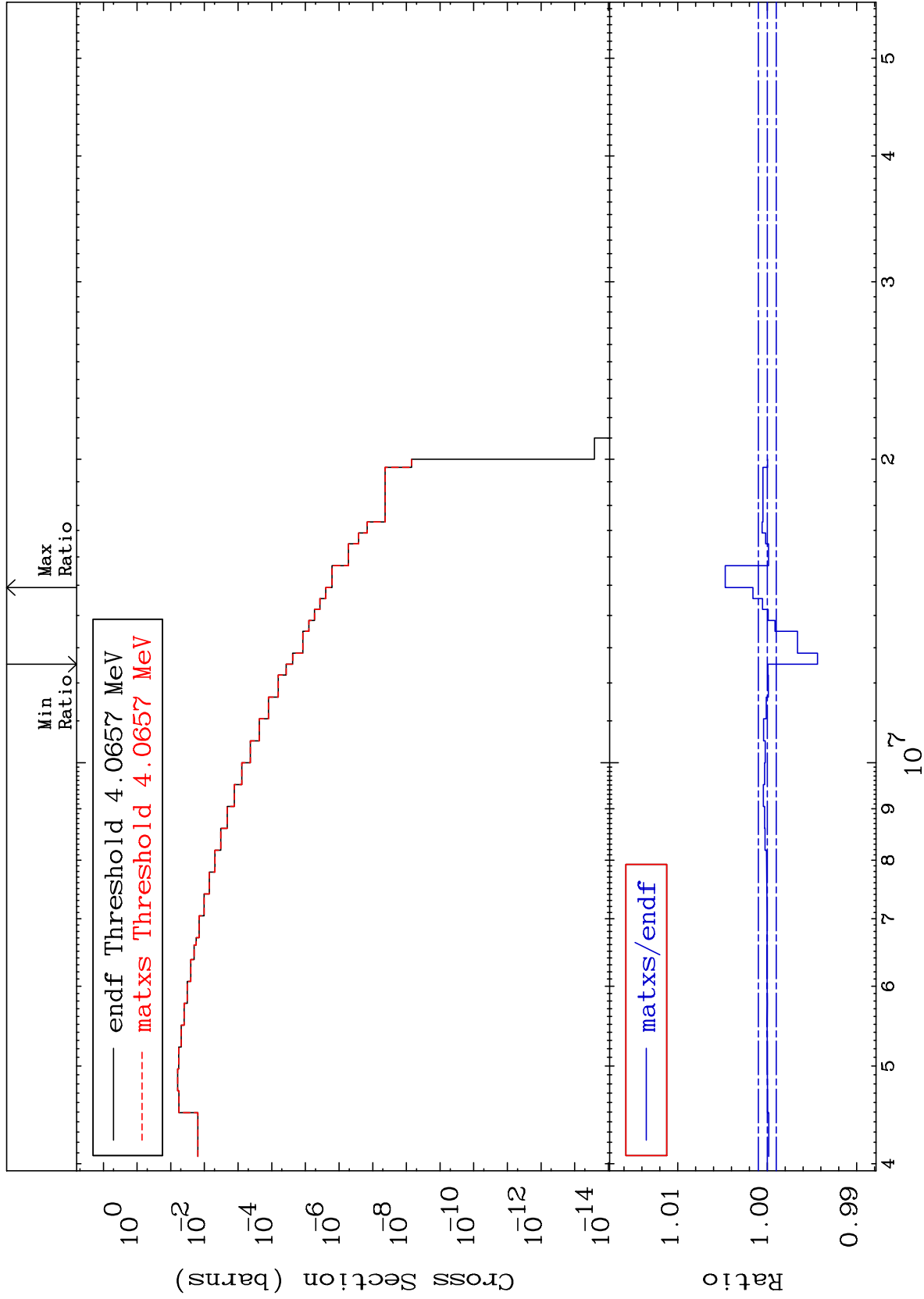
Incident Energy (eV)

82-Pb-208

MAT 8237

4.230 MeV (n,n') Level  
Cross Section

82-Pb-208  
-0.562 To 0.469 %



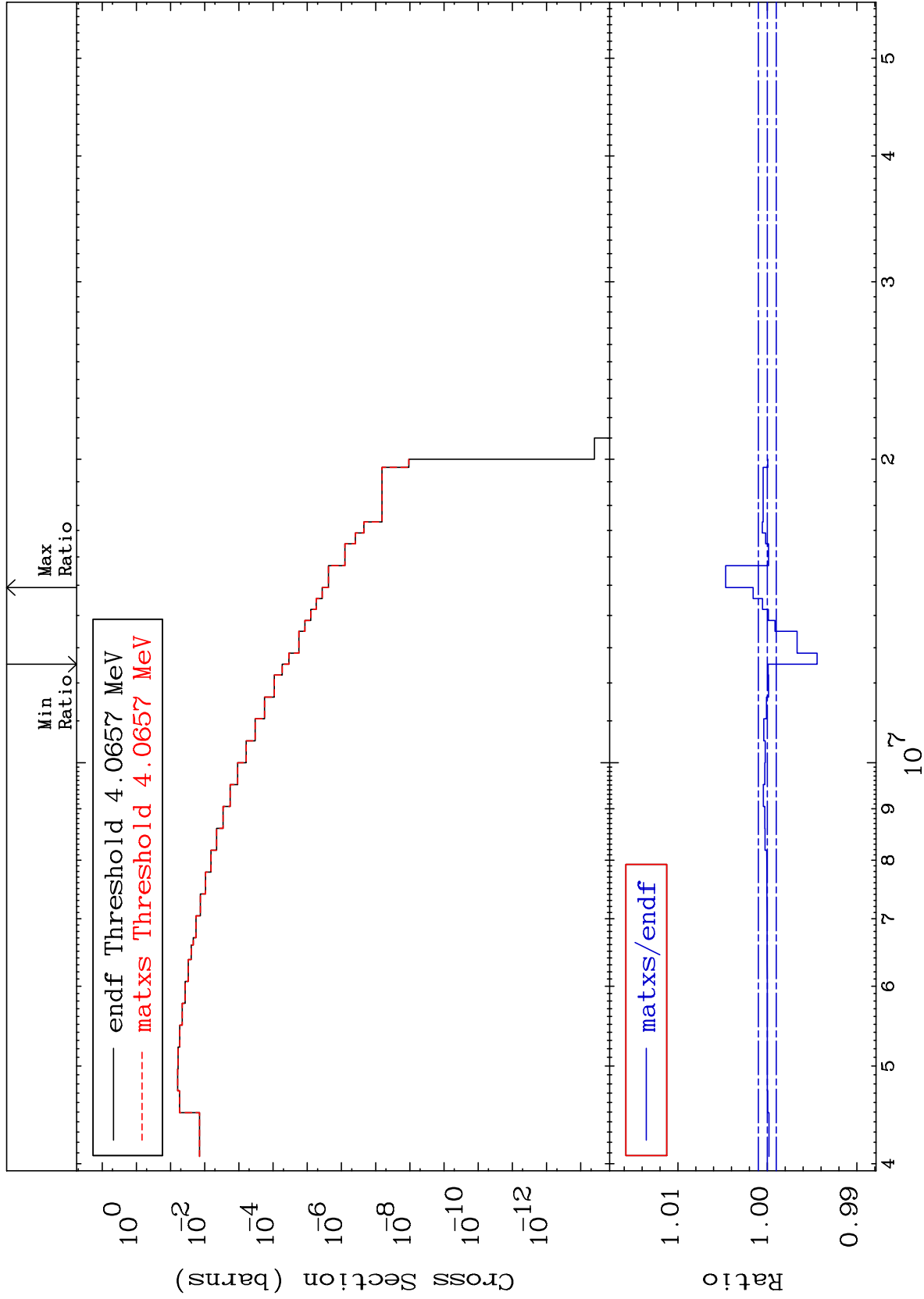
11

82-Pb-208

MAT 8237

4.230 MeV (n,n') Level  
Cross Section

82-Pb-208  
-0.556 To 0.466 %



12

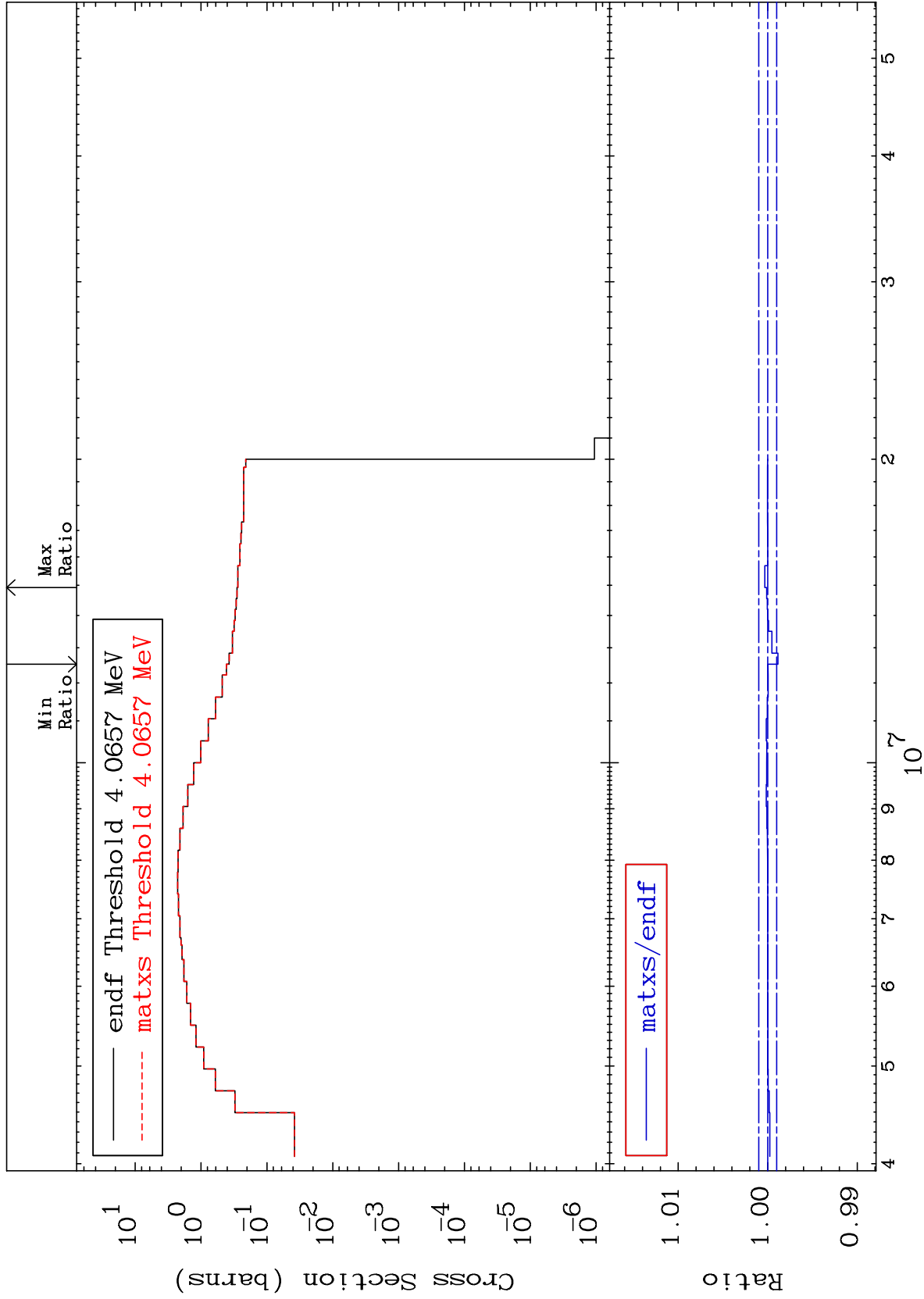
Incident Energy (eV)

82-Pb-208

MAT 8237

(n,n') Continuum  
Cross Section

82-Pb-208  
-0.114 To 0.031 %



13

Incident Energy (eV)

82-Pb-208

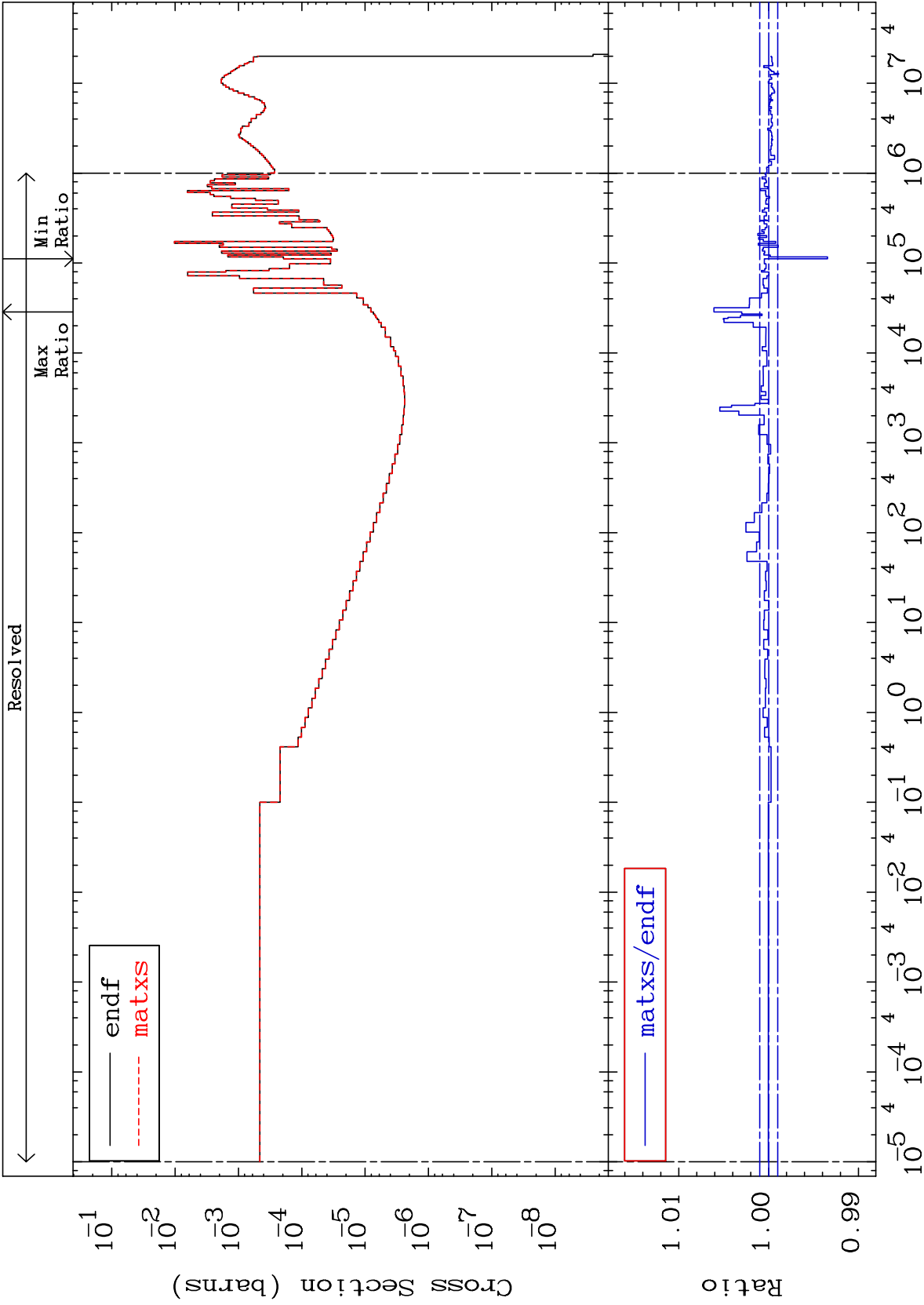
MAT 8237

(n,  $\gamma$ )

82-Pb-208

Cross Section

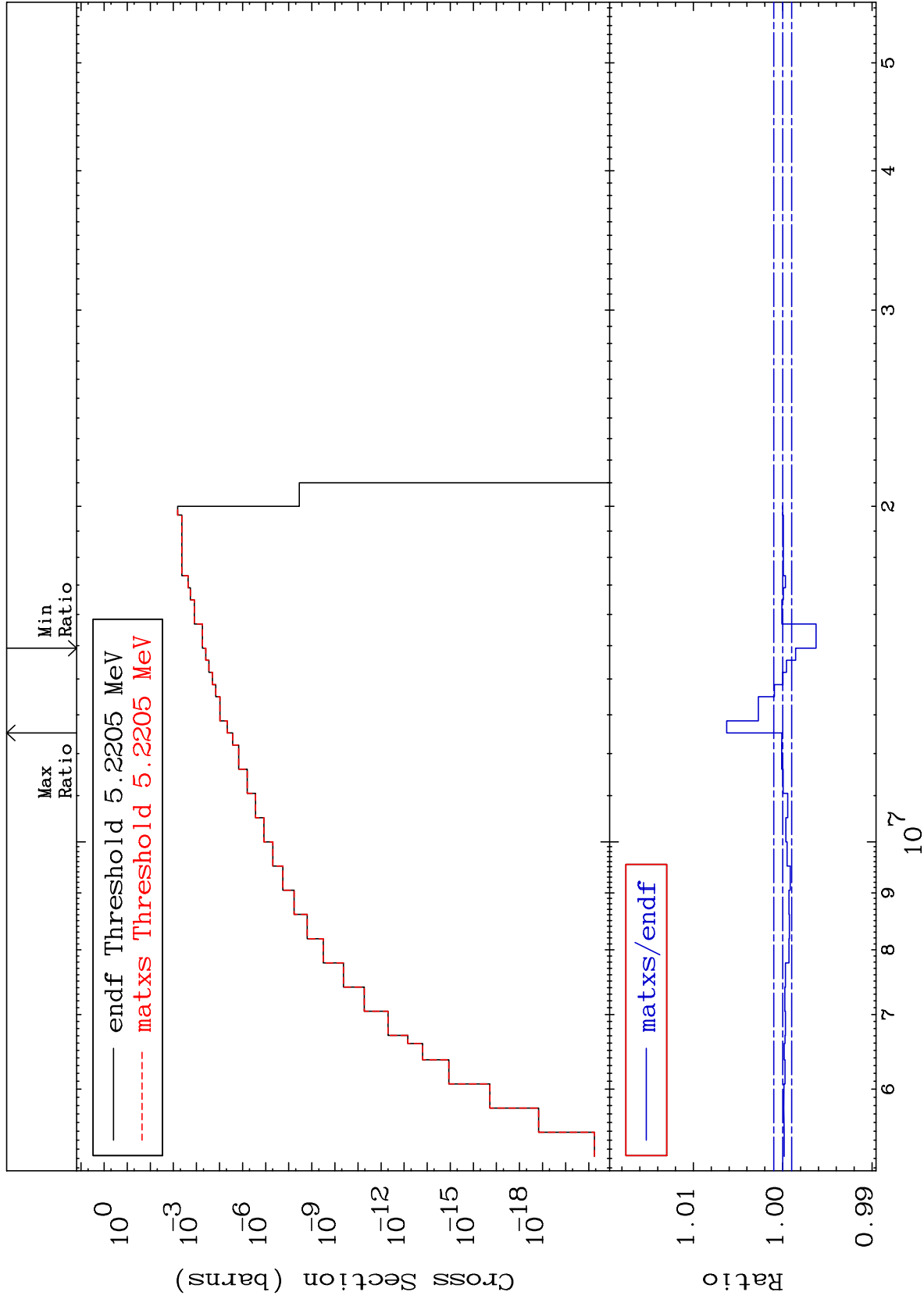
-0.655 To 0.608 %



MAT 8237

82-Pb-208  
-0.373 To 0.627 %

(n,p)  
Cross Section



15

Incident Energy (eV)

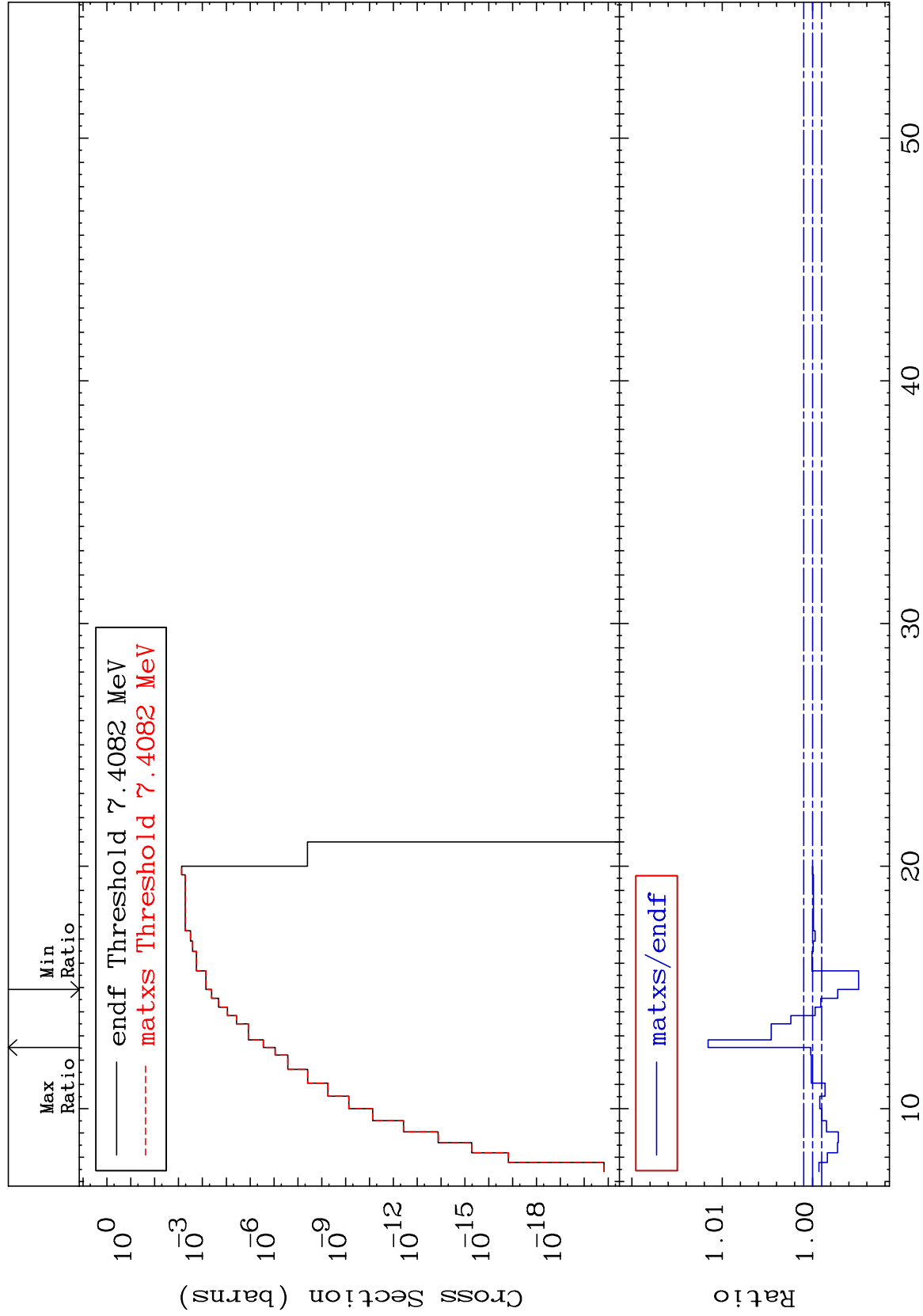
82-Pb-208



MAT 8237

(n,d)  
Cross Section

82-Pb-208  
-0.509 To 1.158 %



16

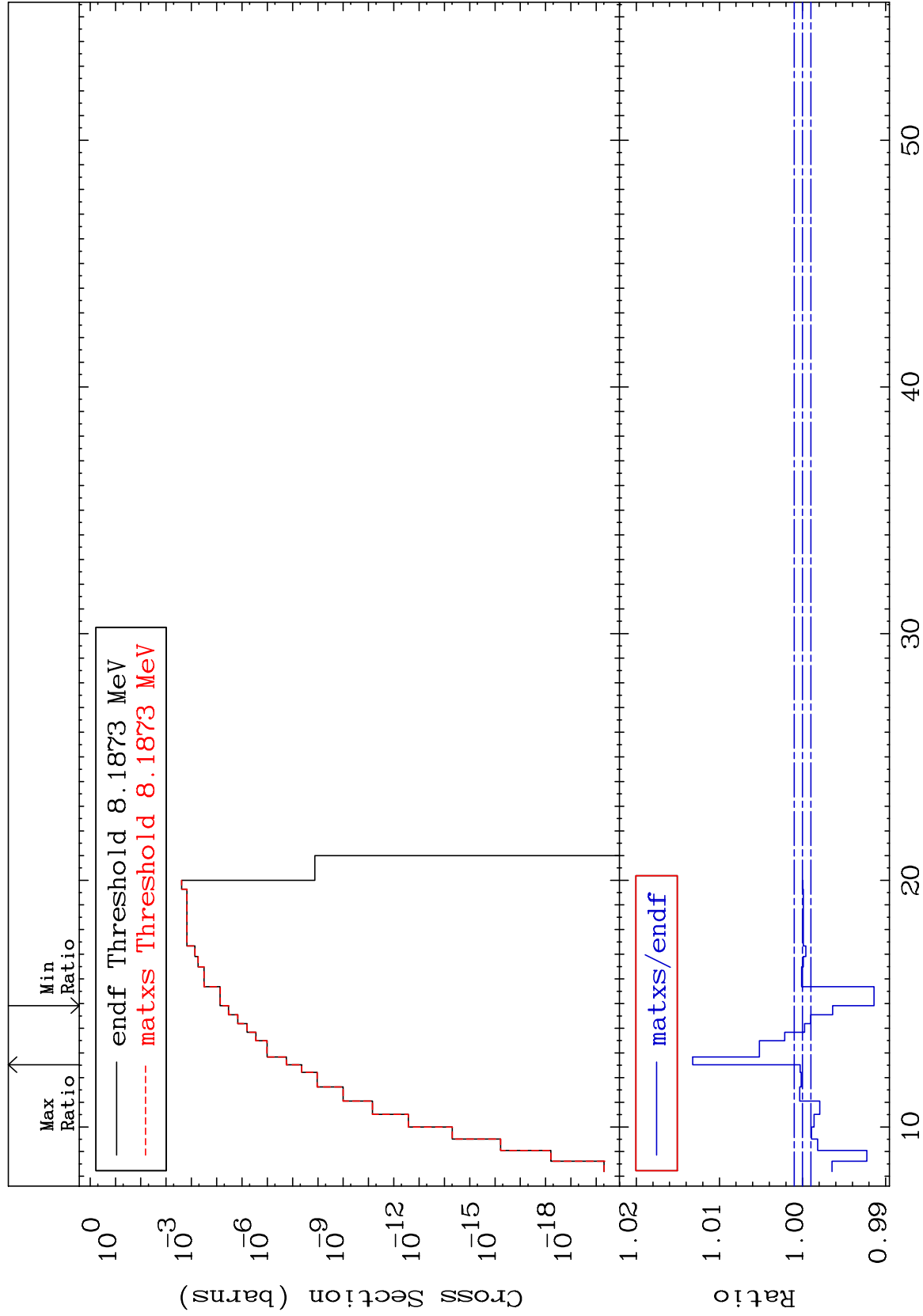
Incident Energy (MeV)

82-Pb-208

MAT 8237

(n, t)  
Cross Section

82-Pb-208  
-0.860 To 1.321 %



17

Incident Energy (MeV)

82-Pb-208

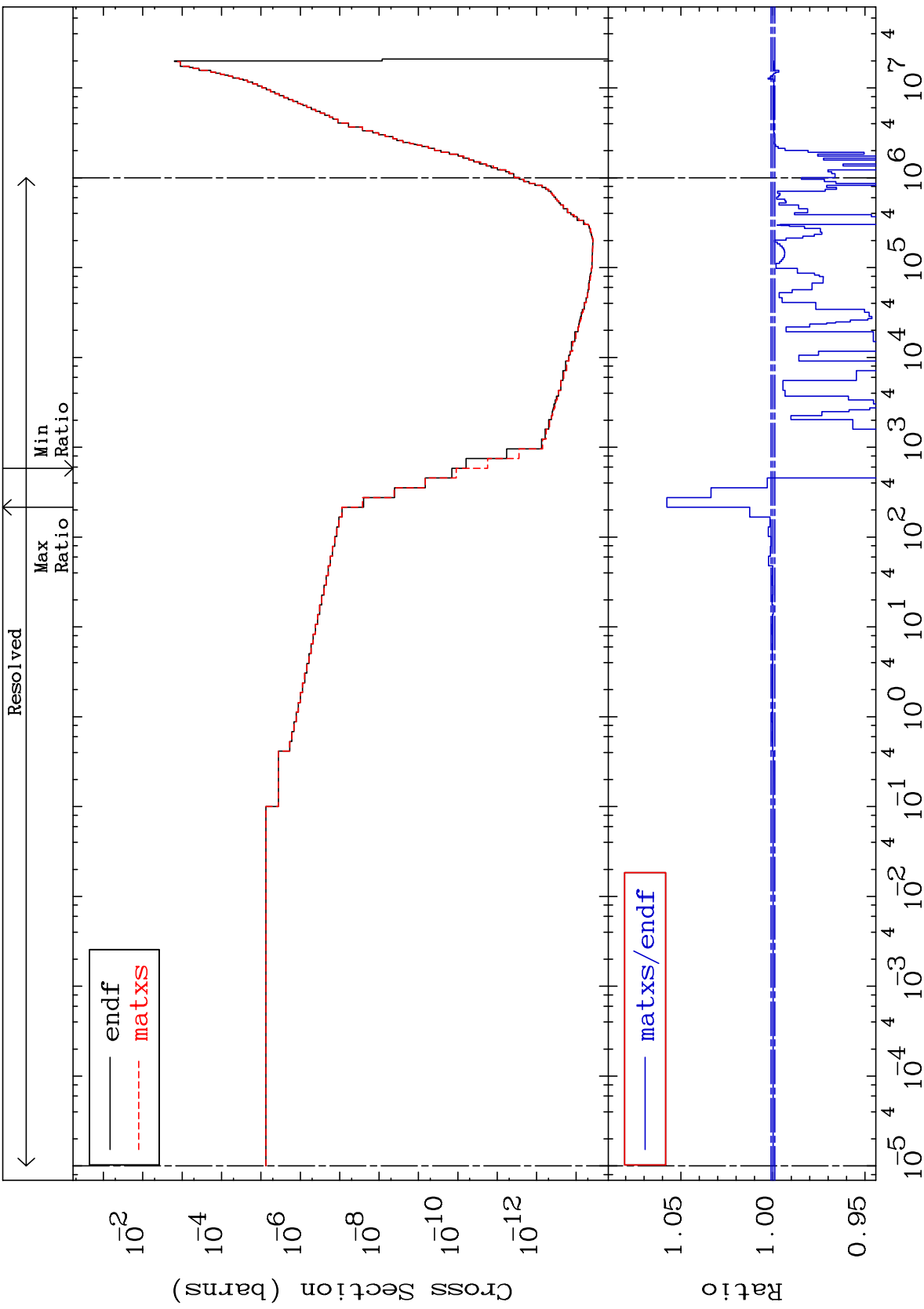
MAT 8237

$(n, \alpha)$

82-Pb-208

Cross Section

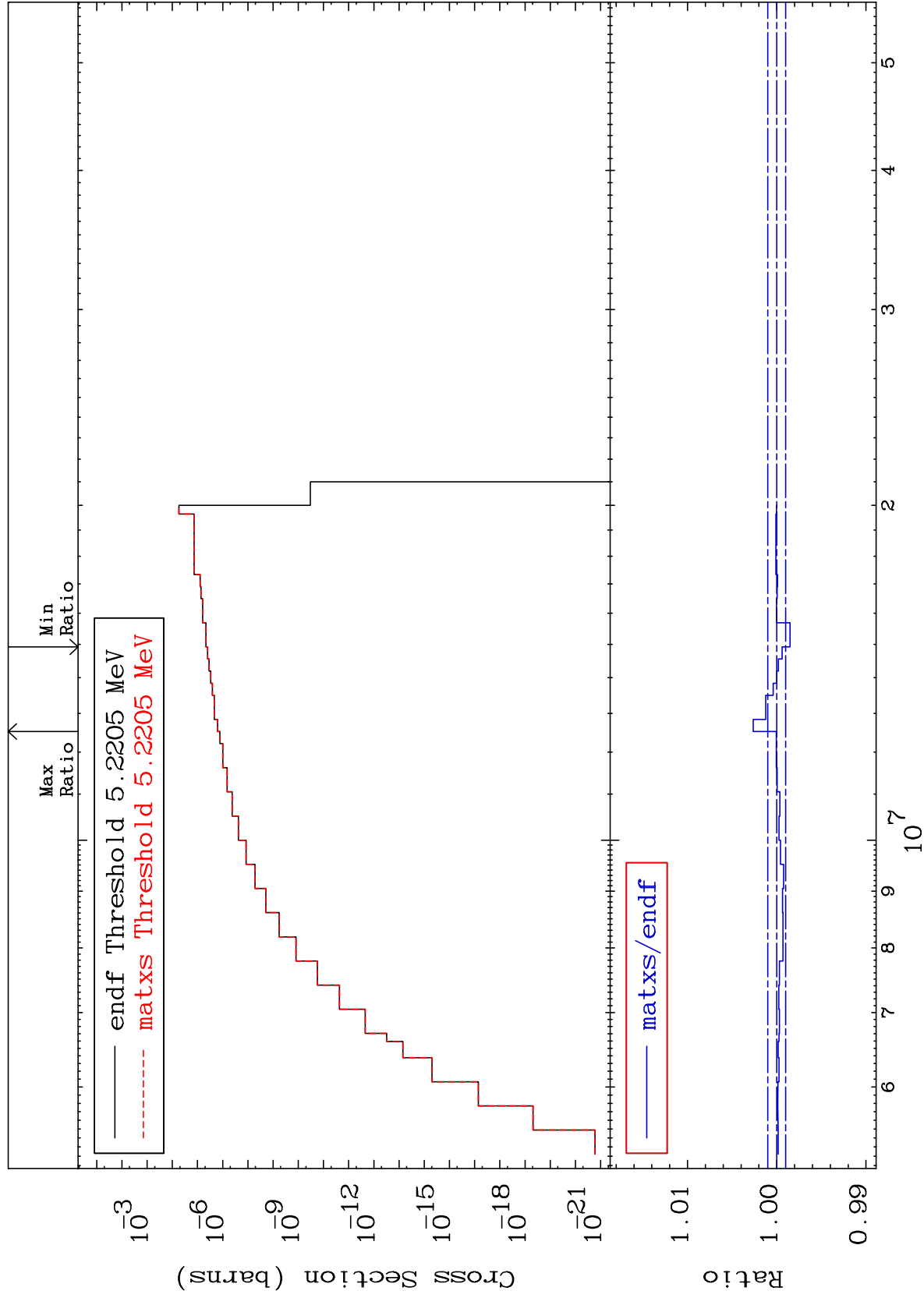
-71.58 To 5.770 %



MAT 8237

39.86 keV (n,p') Level  
Cross Section

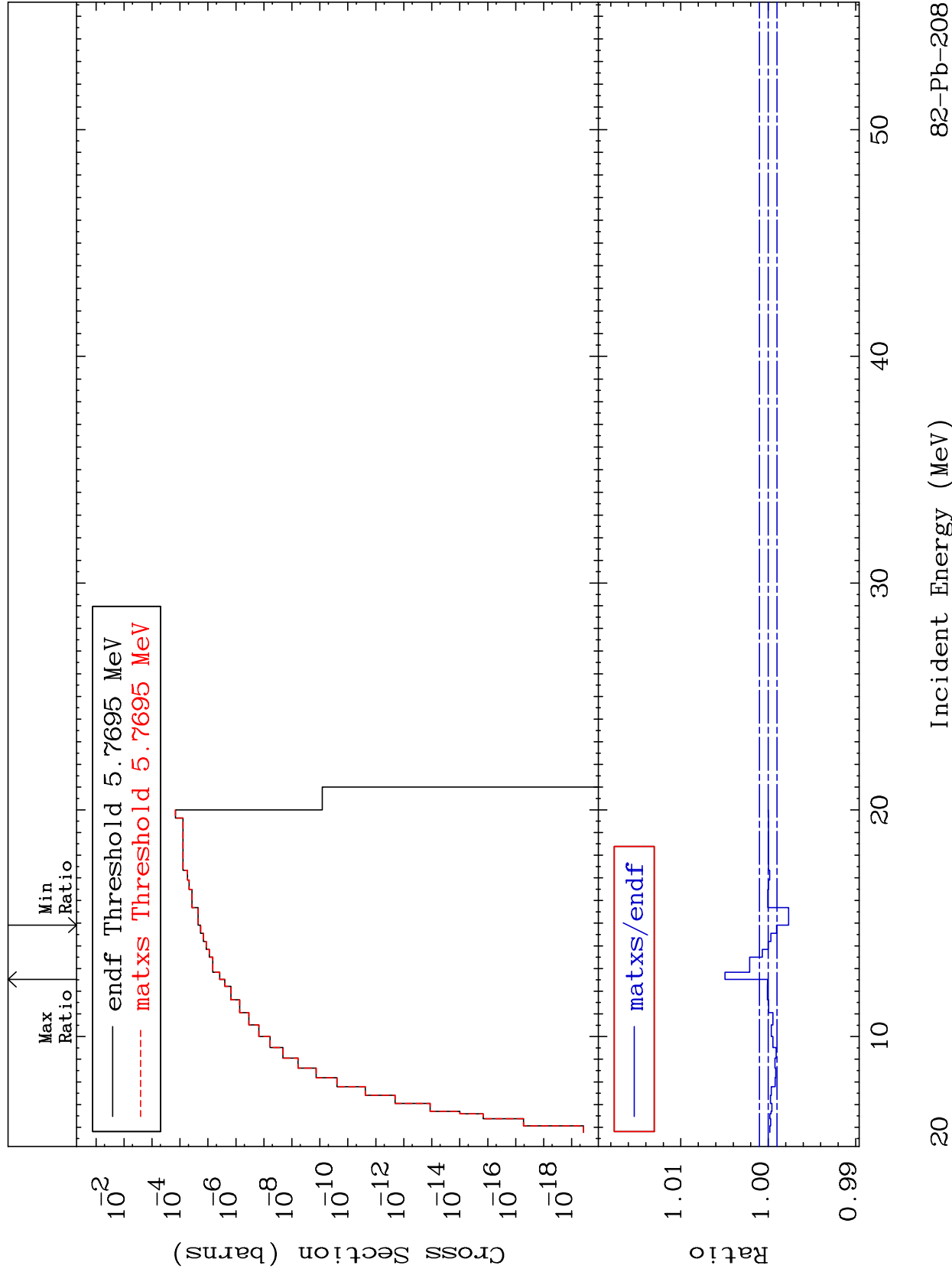
82-Pb-208  
-0.148 To 0.263 %



MAT 8237

327.9 keV (n,p') Level  
Cross Section

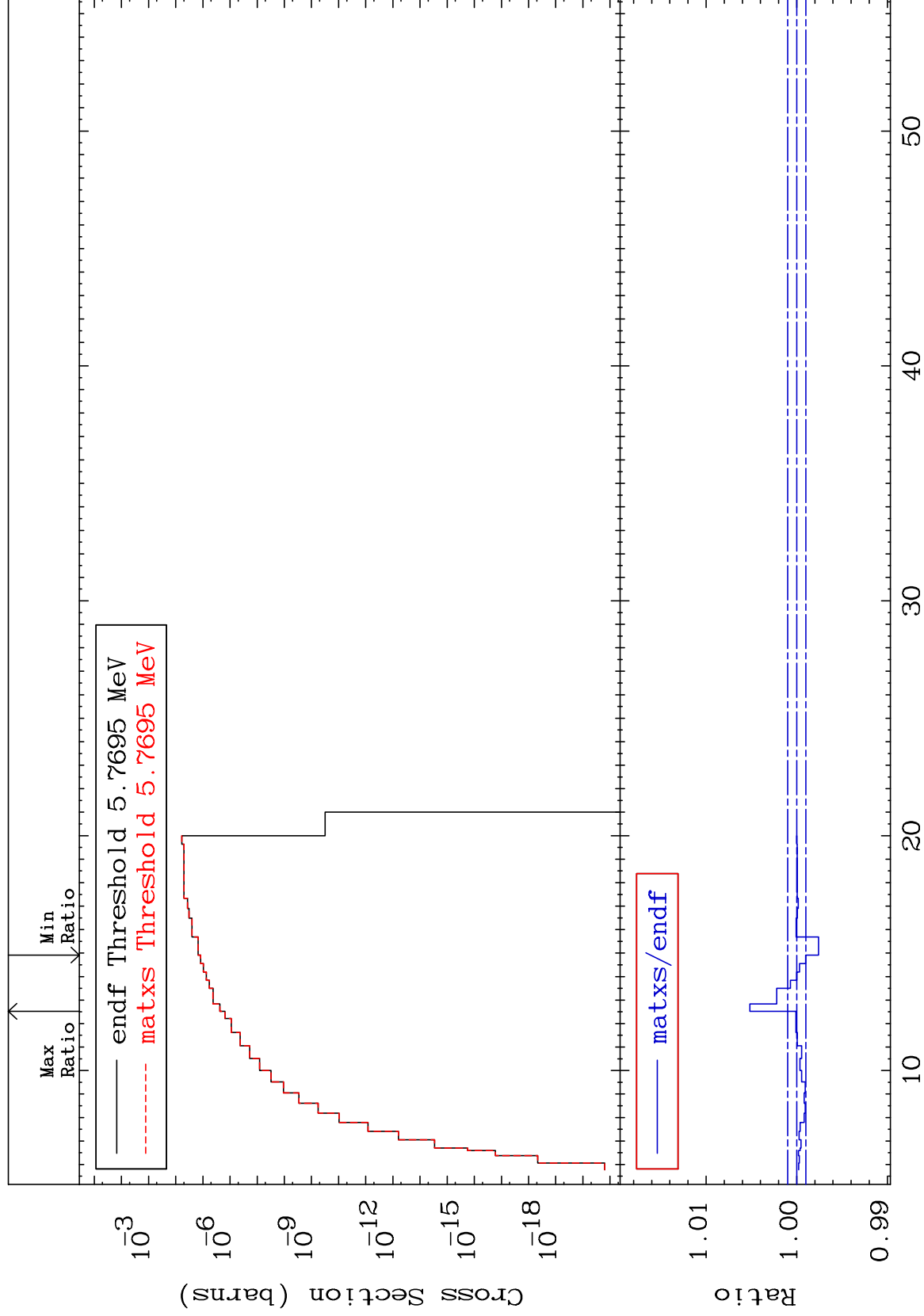
82-Pb-208  
-0.232 To 0.495 %



MAT 8237

473.6 keV (n,p') Level  
Cross Section

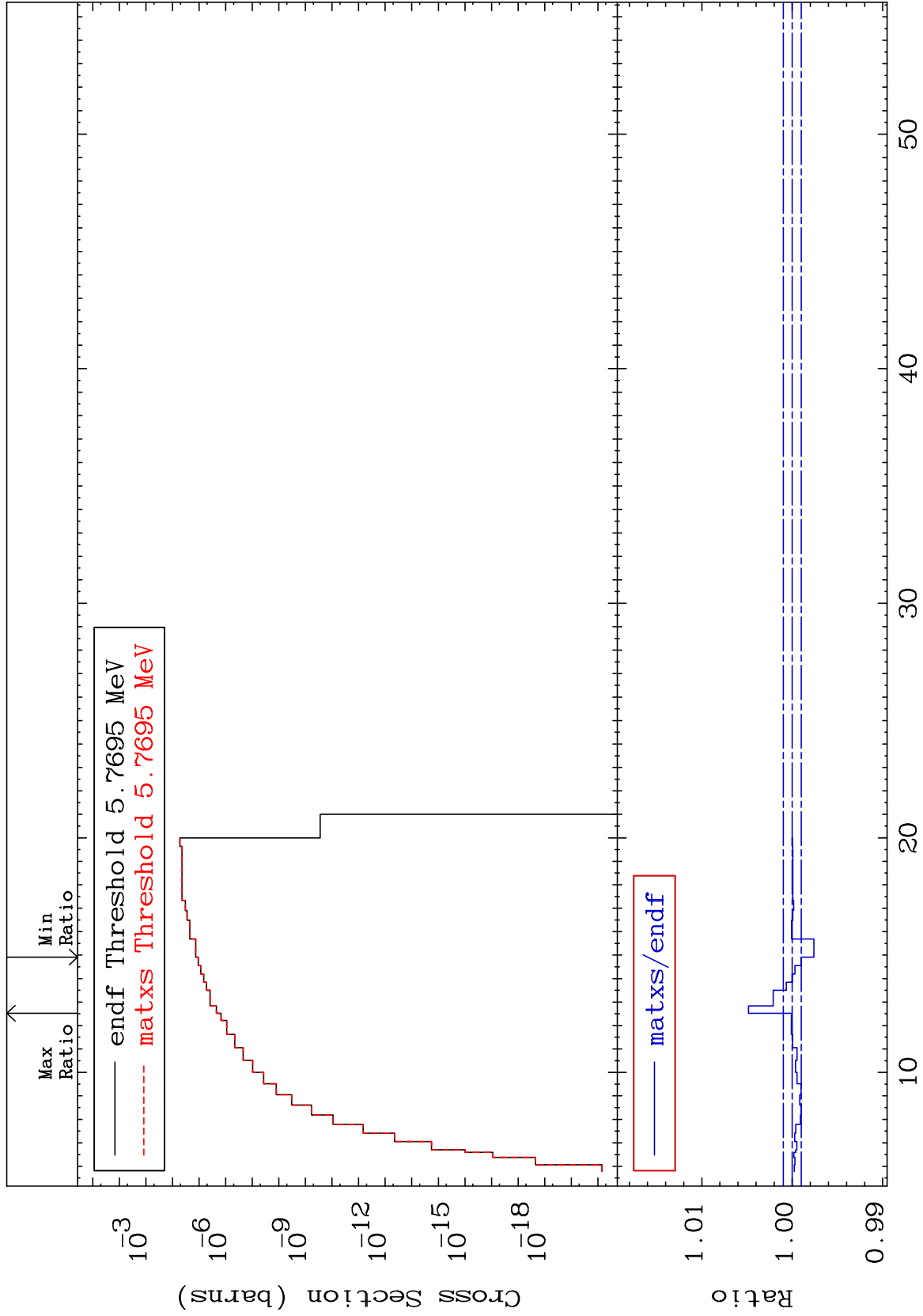
82-Pb-208  
-0.241 To 0.517 %



MAT 8237

492.7 keV (n,p') Level  
Cross Section

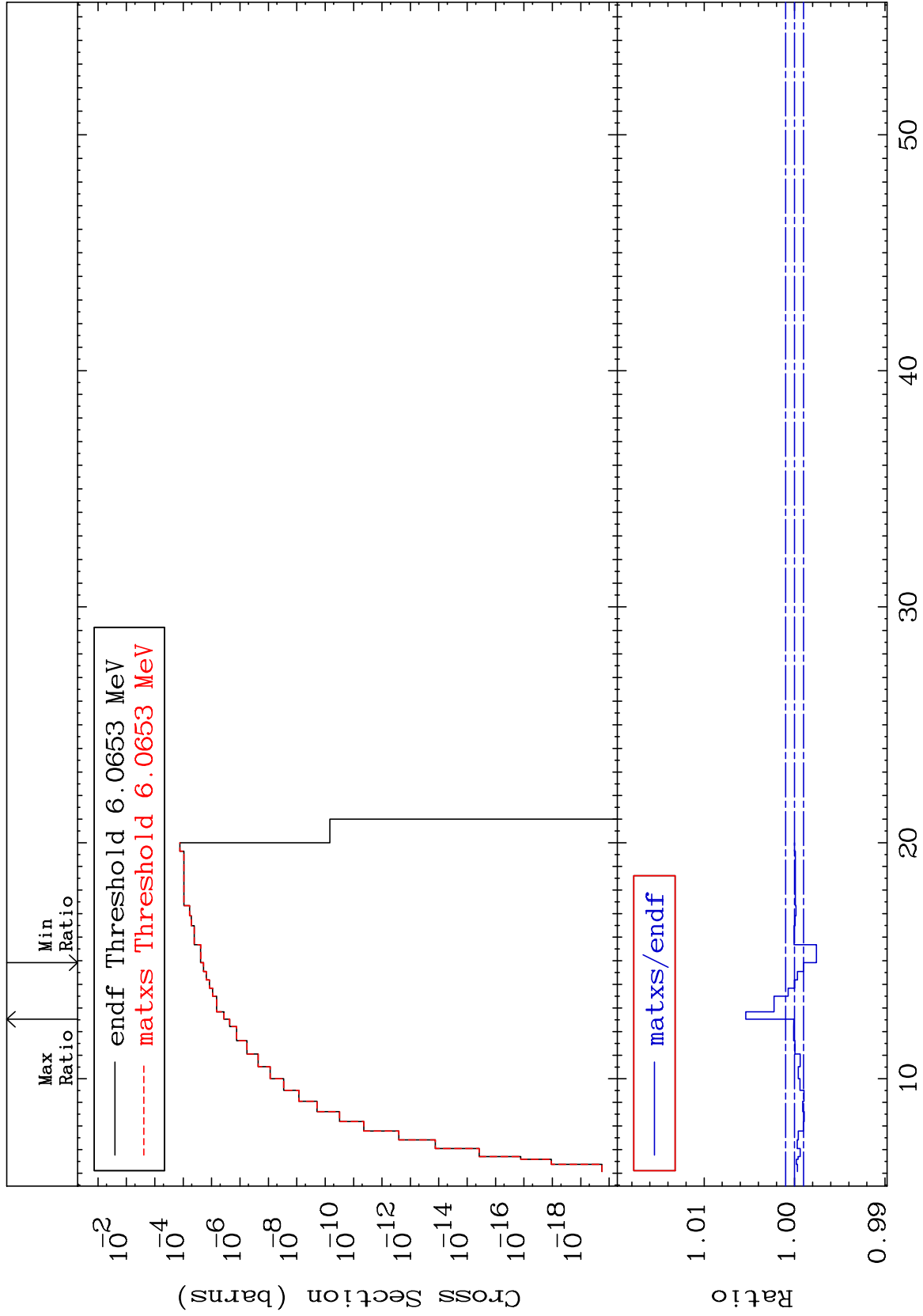
82-Pb-208  
-0.238 To 0.484 %



MAT 8237

620.4 keV (n,p') Level  
Cross Section

82-Pb-208  
-0.242 To 0.540 %

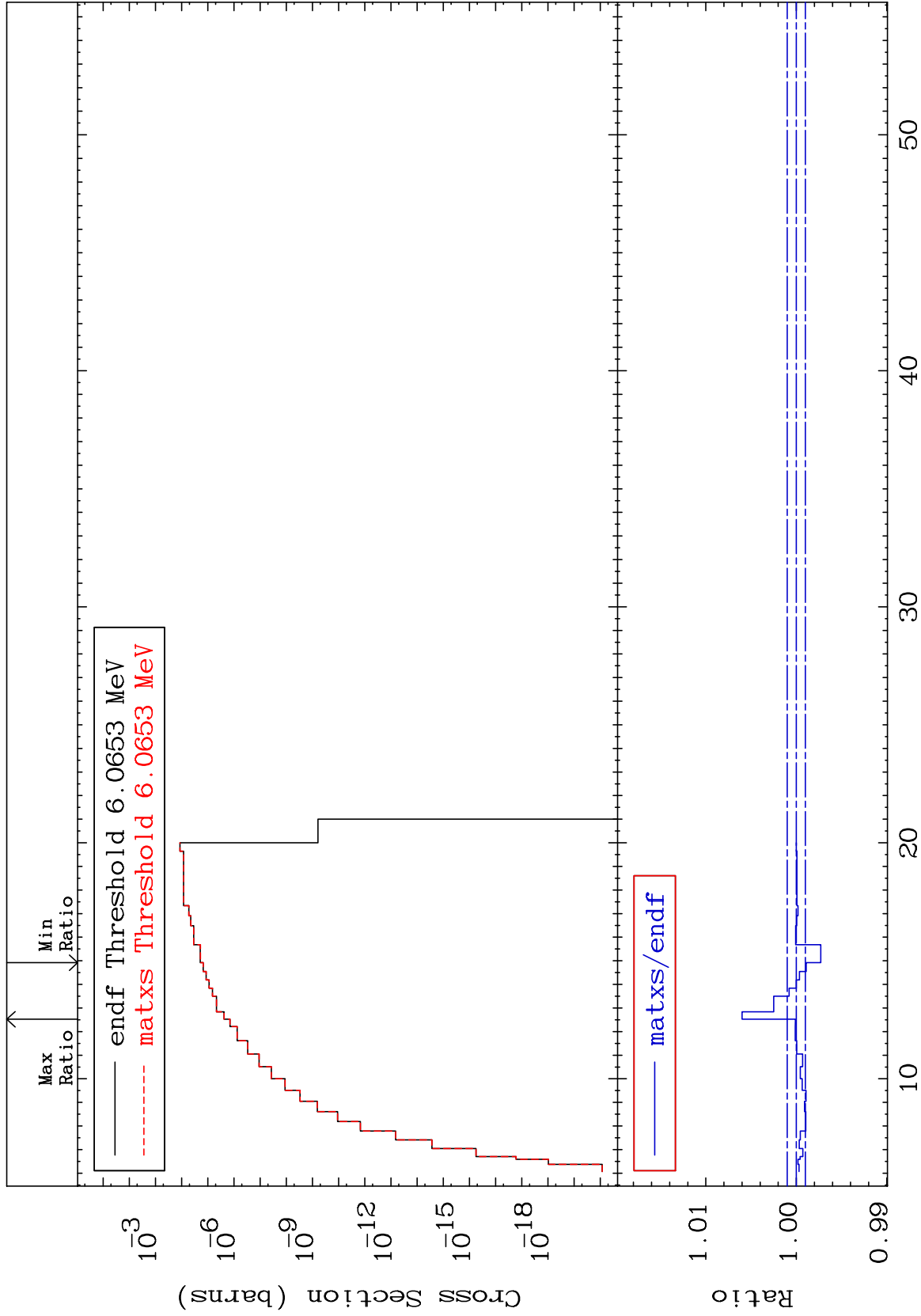




MAT 8237

759.0 keV (n,p') Level  
Cross Section

82-Pb-208  
-0.270 To 0.599 %



24

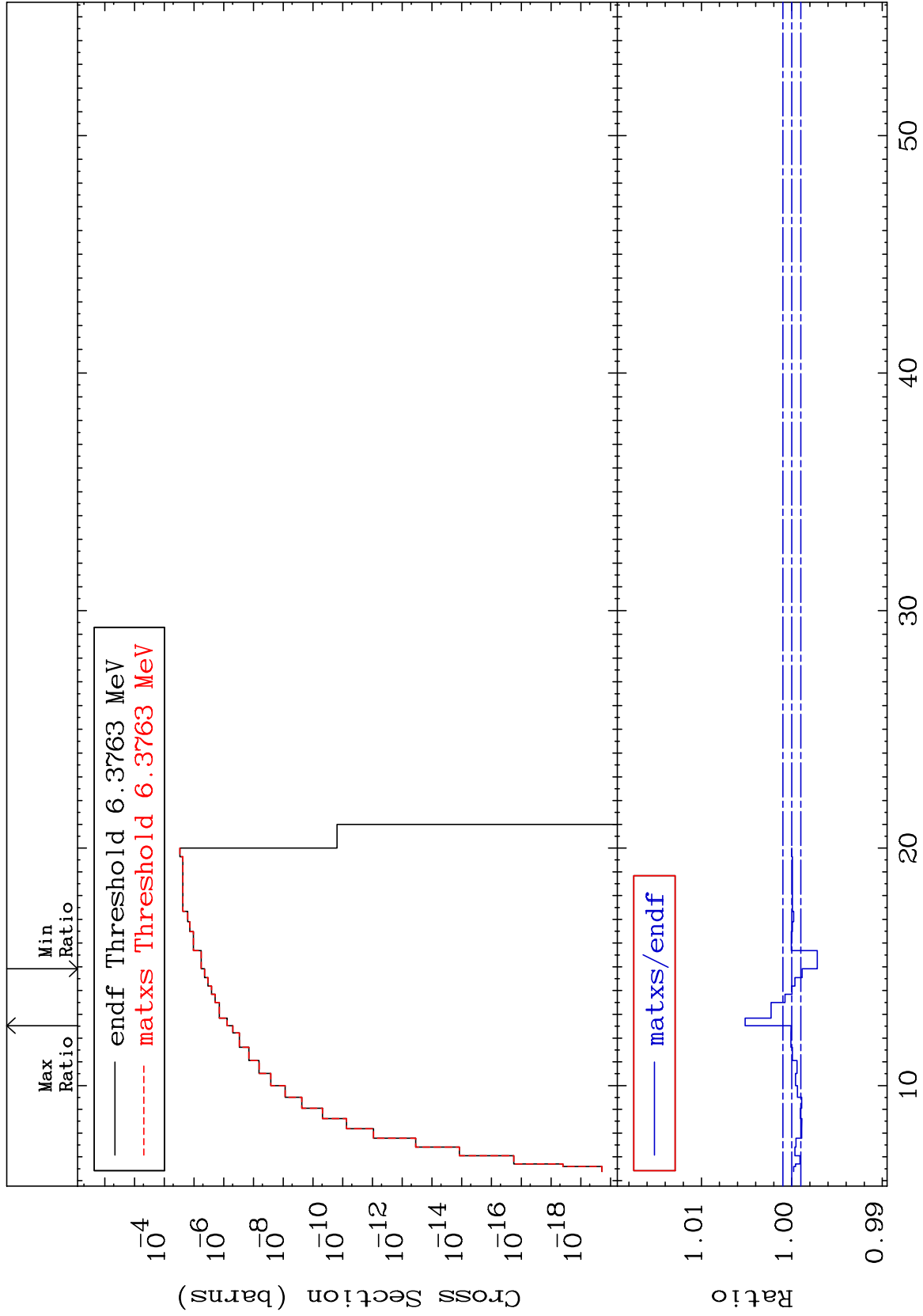
Incident Energy (MeV)

82-Pb-208

MAT 8237

807.0 keV (n,p') Level  
Cross Section

82-Pb-208  
-0.280 To 0.517 %



25

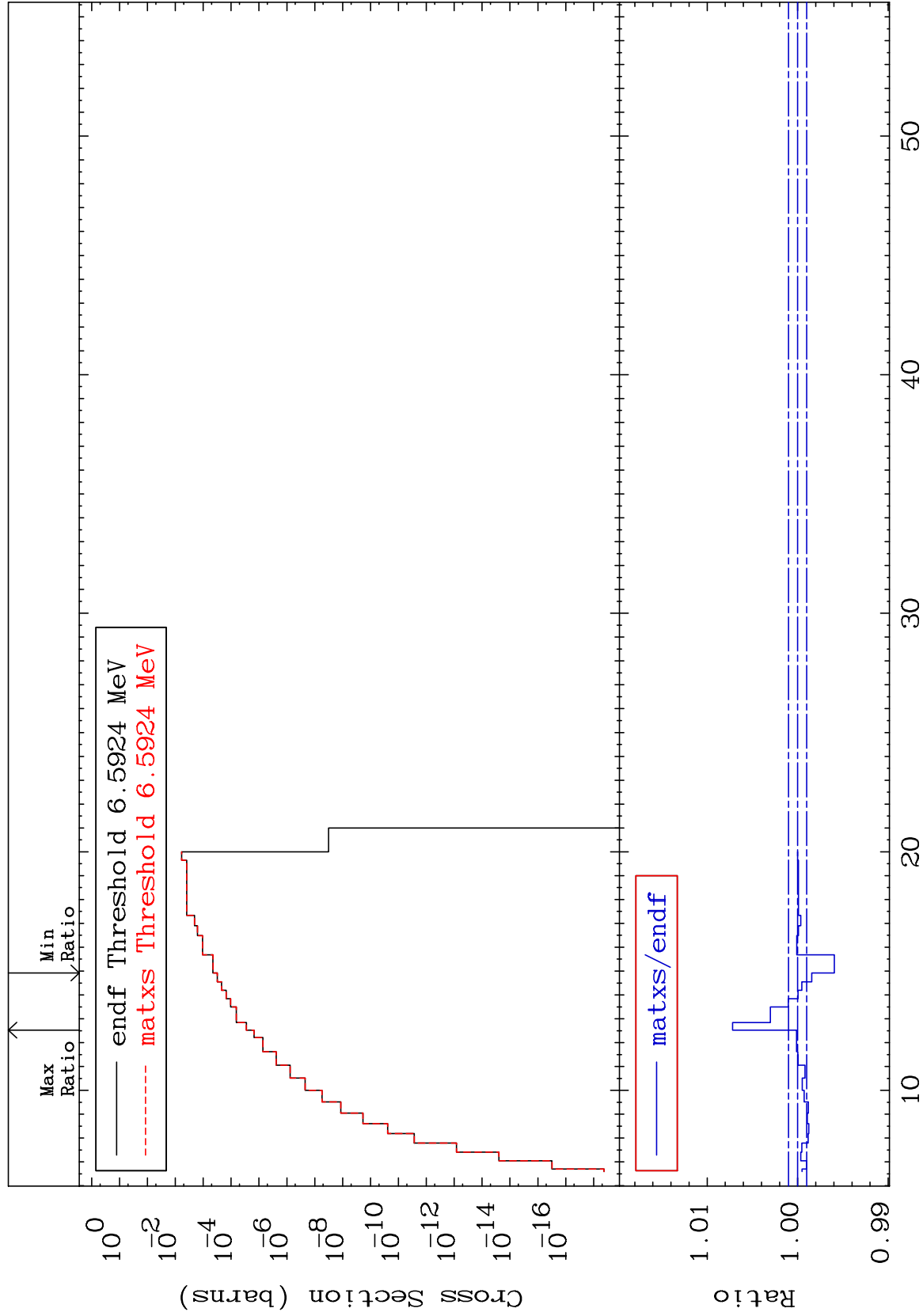
Incident Energy (MeV)

82-Pb-208

MAT 8237

807.0 keV (n,p') Level  
Cross Section

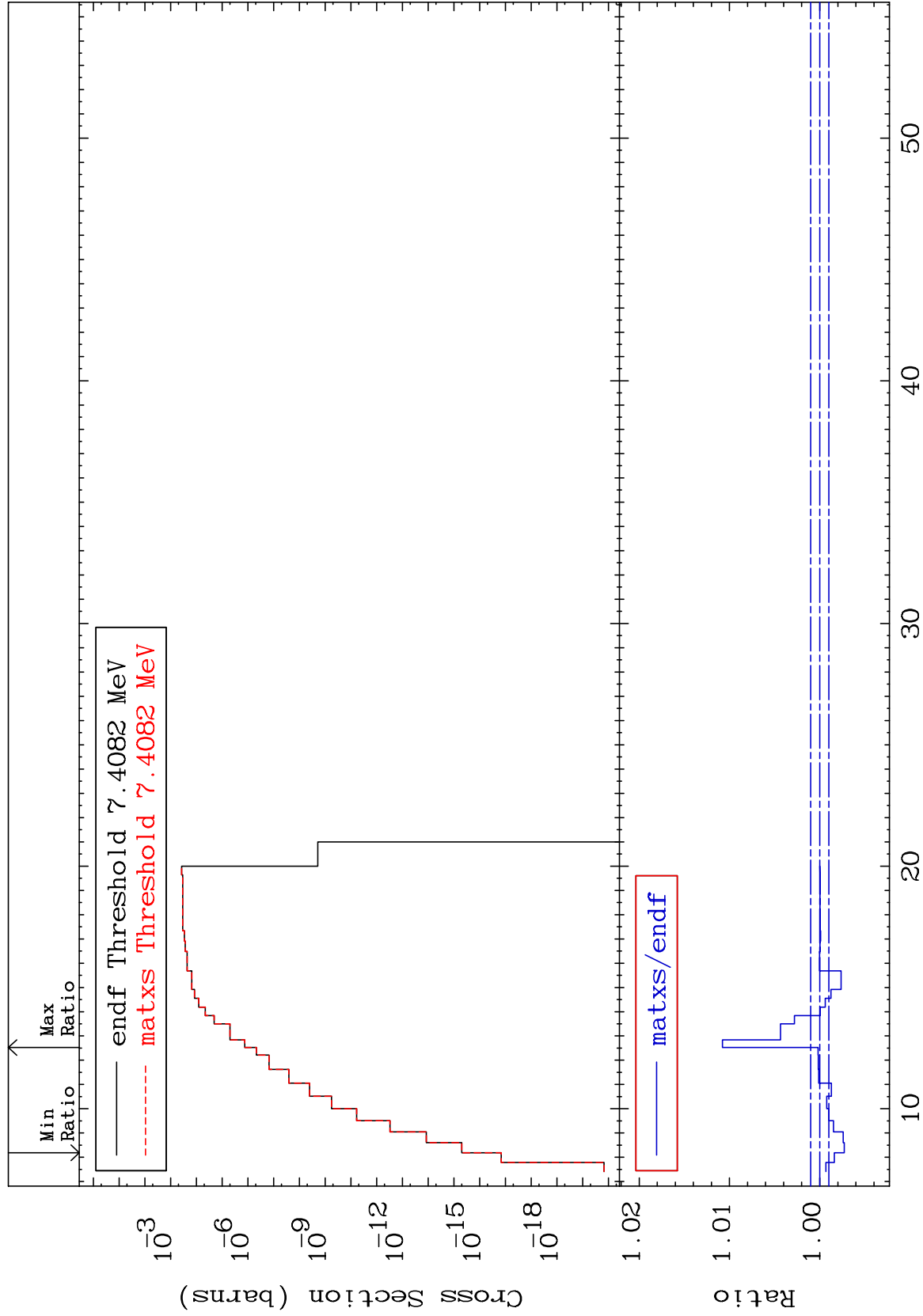
82-Pb-208  
-0.404 To 0.720 %



MAT 8237

(n, d') Ground  
Cross Section

82-Pb-208  
-0.271 To 1.077 %



27

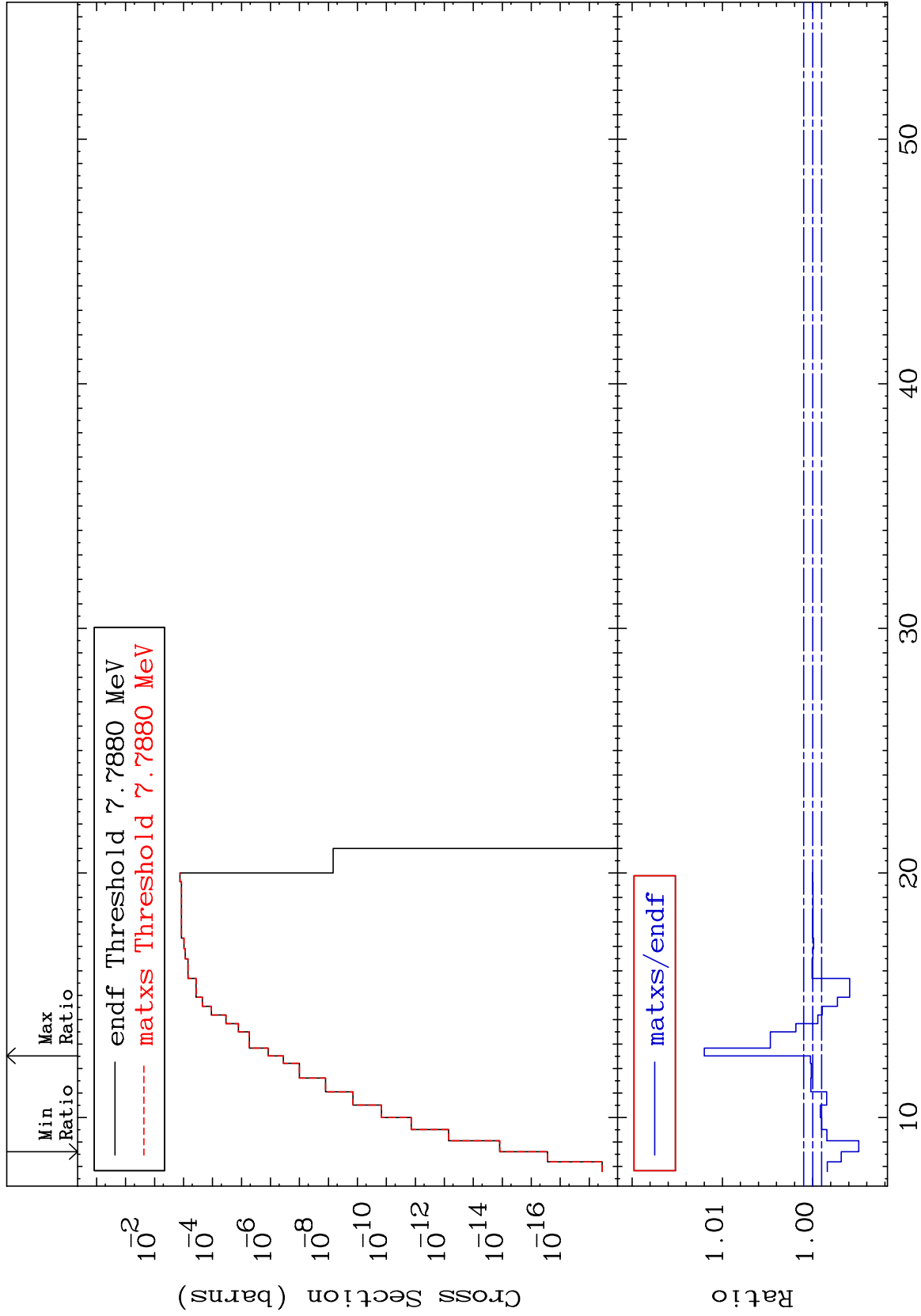
Incident Energy (MeV)

82-Pb-208

MAT 8237

351.0 keV (n,d') Level  
Cross Section

82-Pb-208  
-0.510 To 1.201 %



28

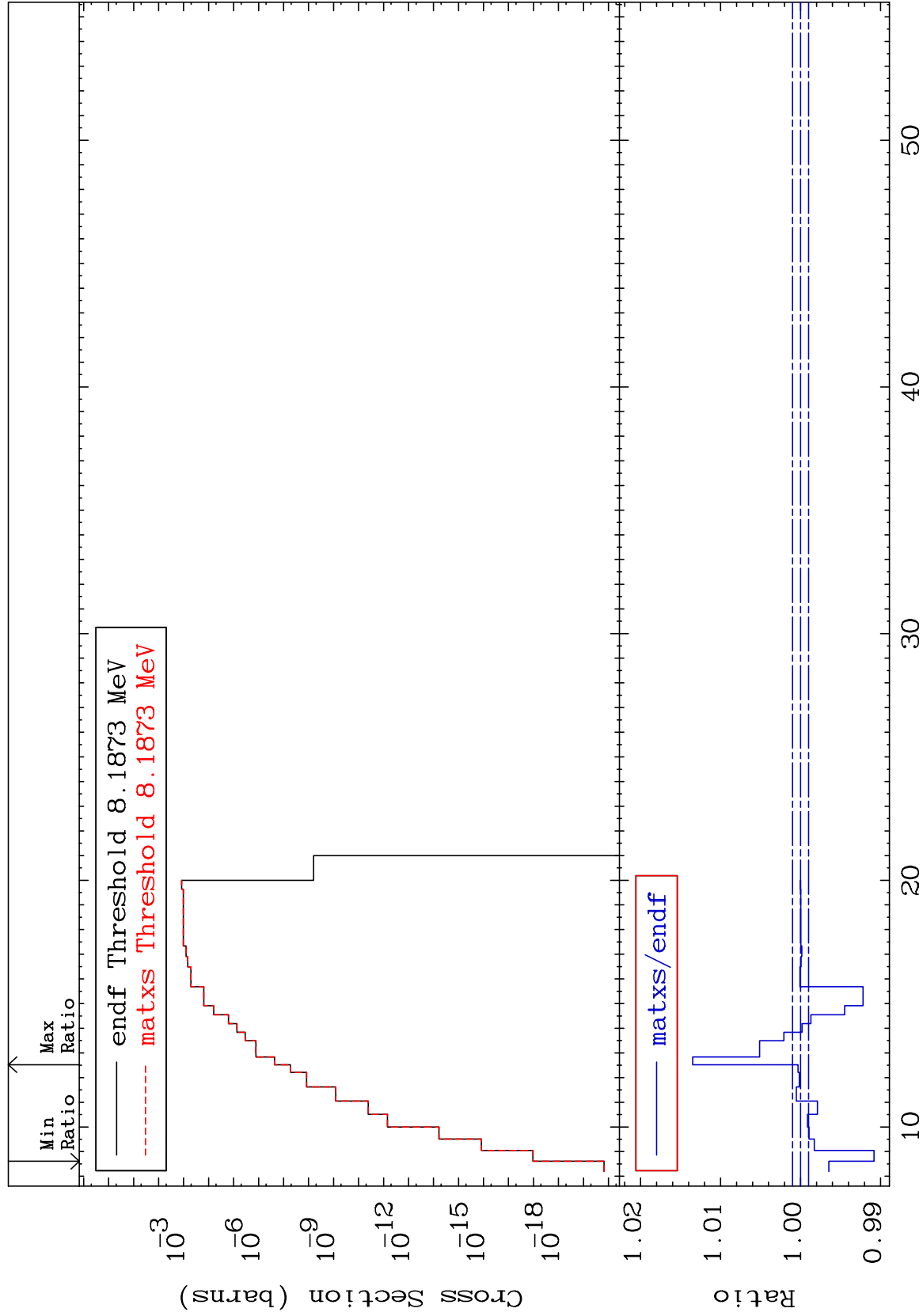
Incident Energy (MeV)

82-Pb-208

MAT 8237

1.348 MeV (n,d') Level  
Cross Section

82-Pb-208  
-0.919 To 1.348 %



29

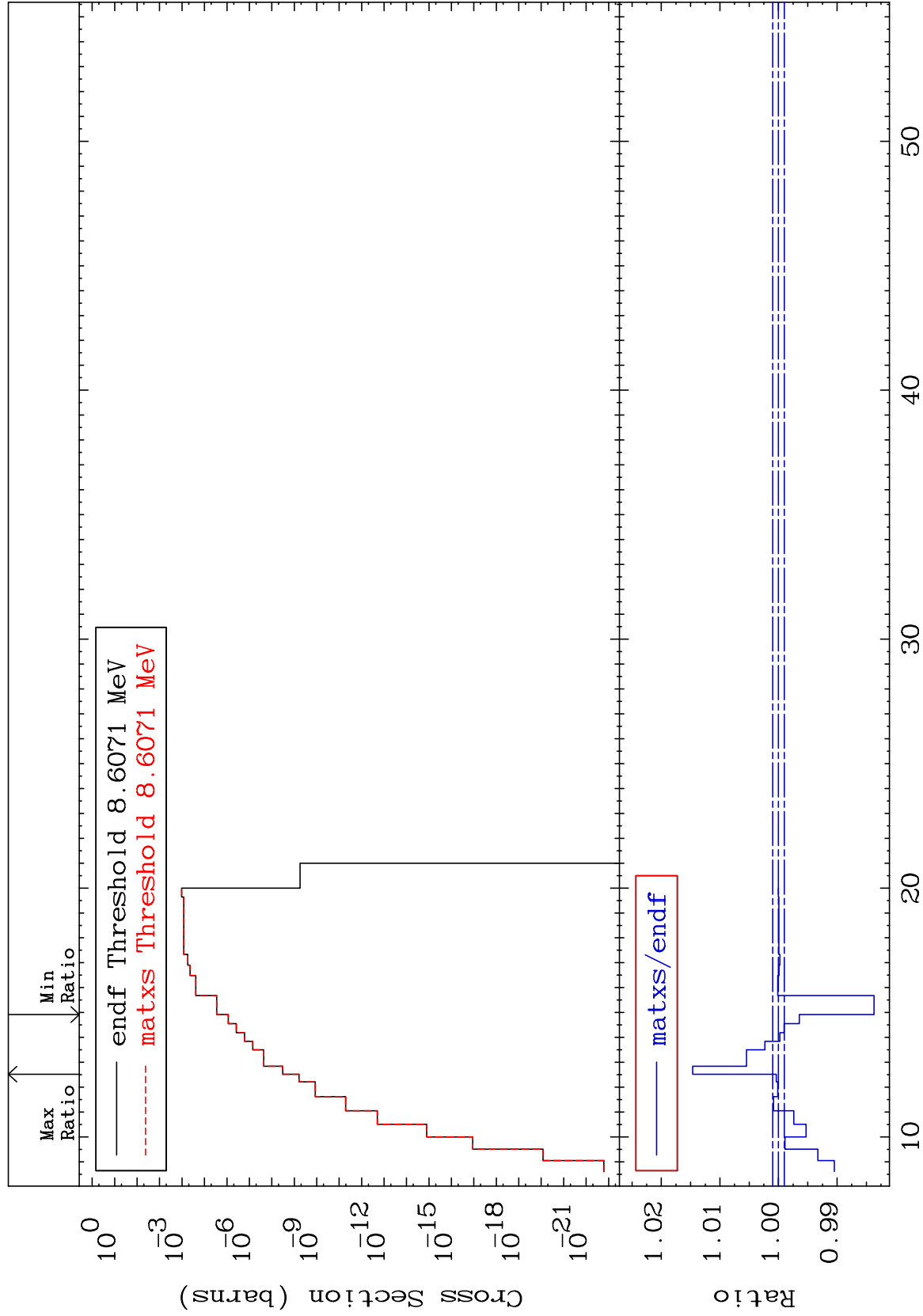
Incident Energy (MeV)

82-Pb-208

MAT 8237

1.683 MeV (n,d') Level  
Cross Section

82-Pb-208  
-1.630 To 1.464 %



30

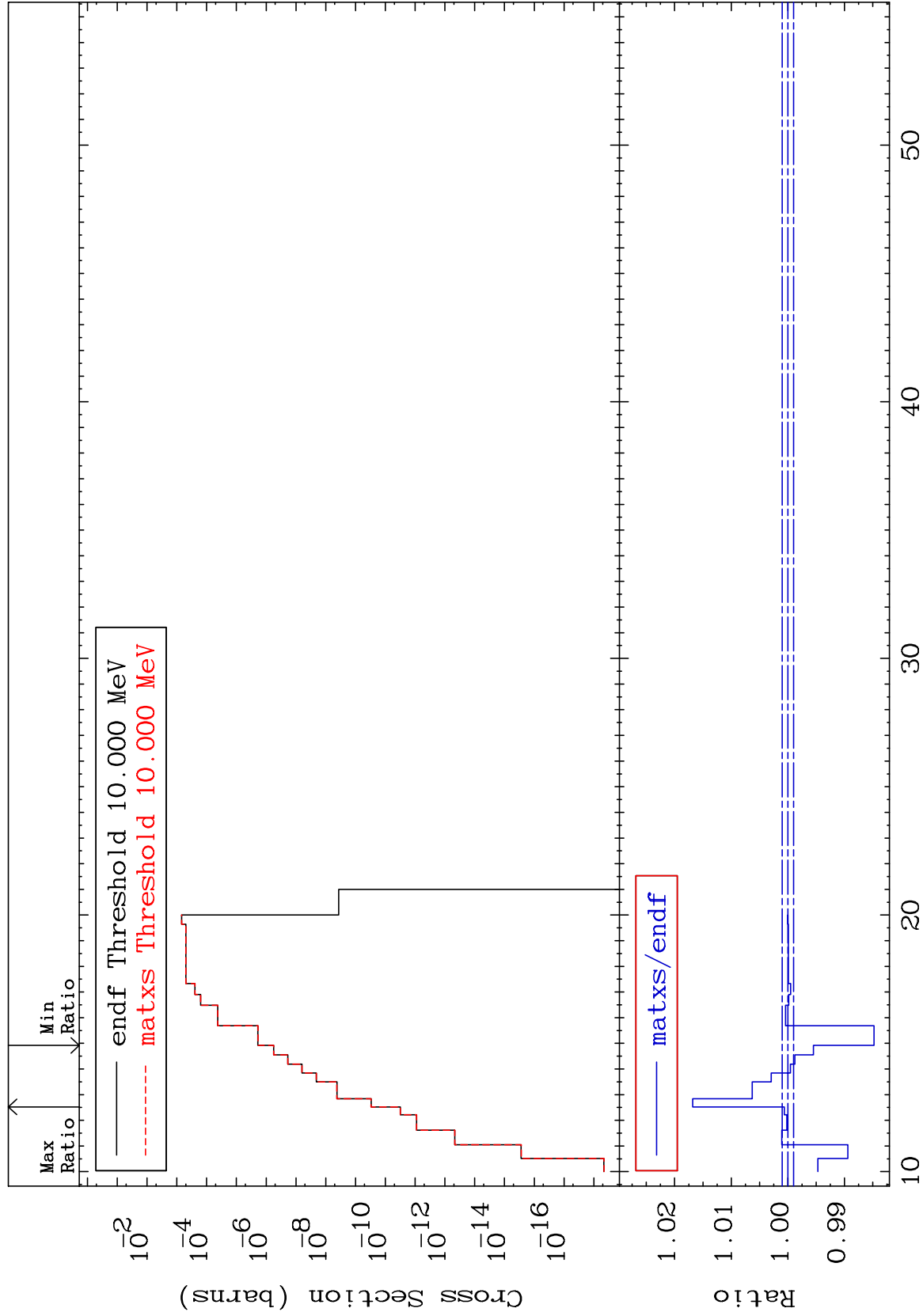
Incident Energy (MeV)

82-Pb-208

MAT 8237

2.675 MeV (n,d') Level  
Cross Section

82-Pb-208  
-1.523 To 1.680 %



31

Incident Energy (MeV)

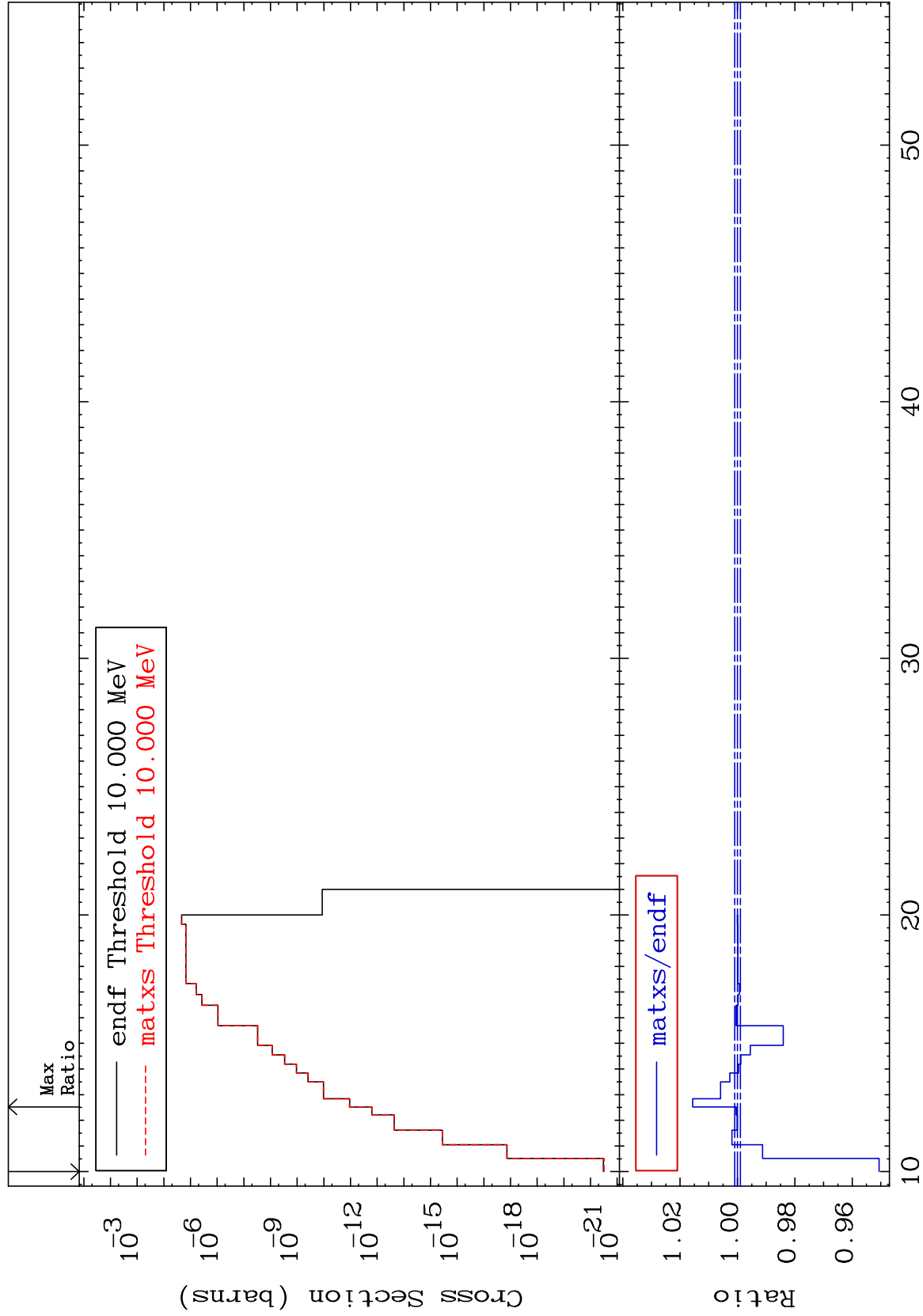
82-Pb-208



MAT 8237

2.709 MeV (n,d') Level  
Cross Section

82-Pb-208  
-4.942 To 1.560 %



32

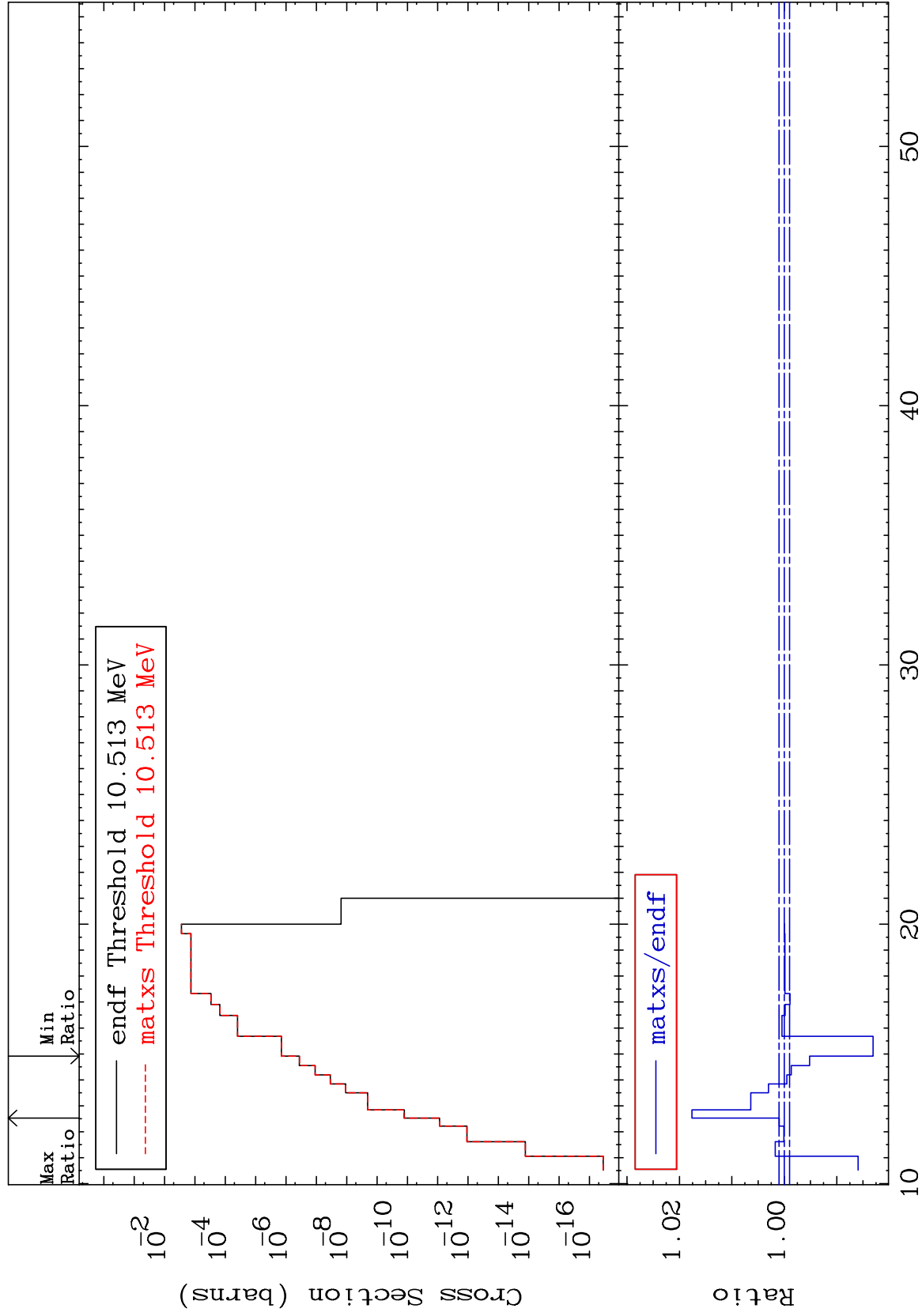
Incident Energy (MeV)

82-Pb-208

MAT 8237

2.709 MeV (n,d') Level  
Cross Section

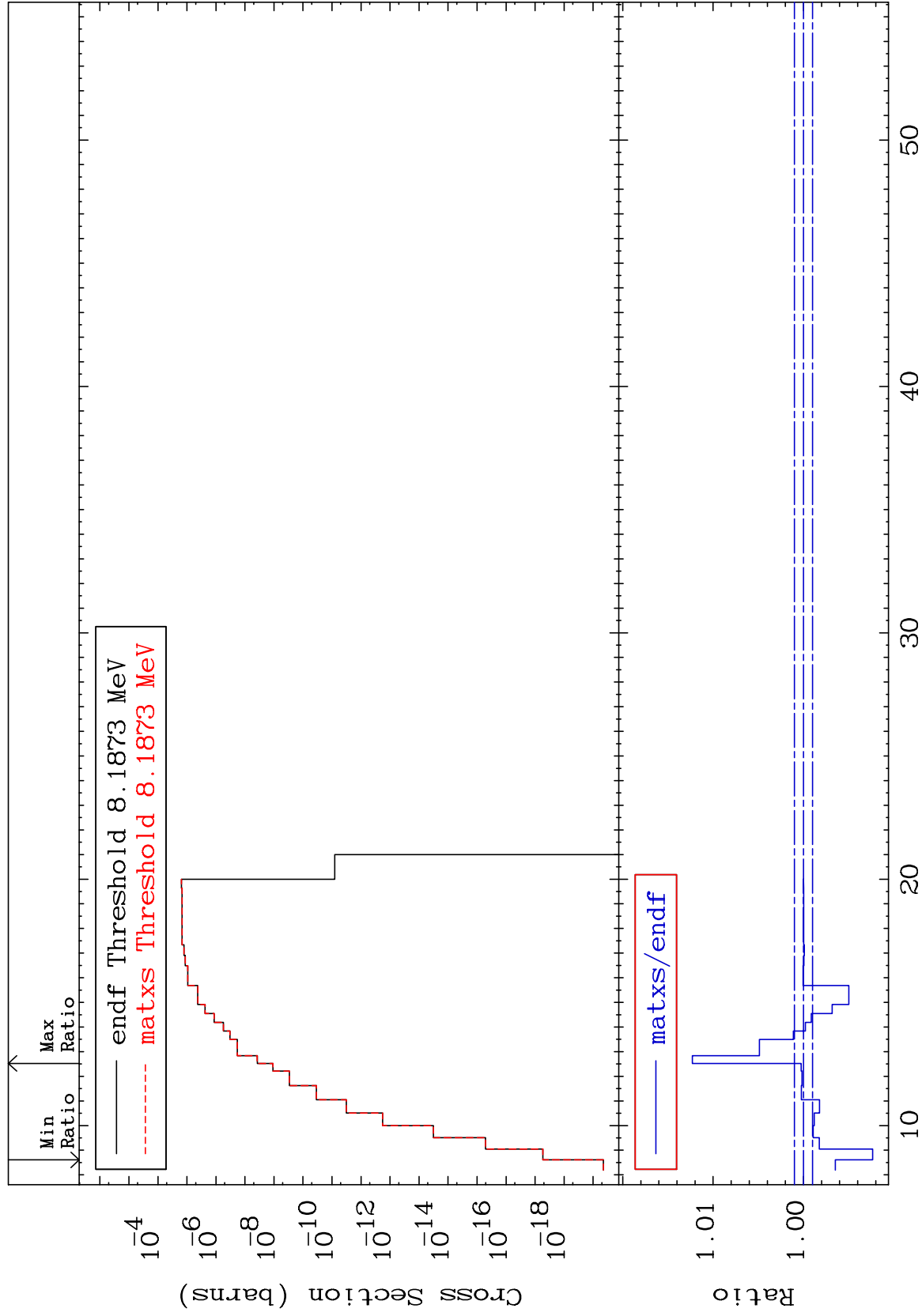
82-Pb-208  
-1.693 To 1.760 %



MAT 8237

(n, t') Ground  
Cross Section

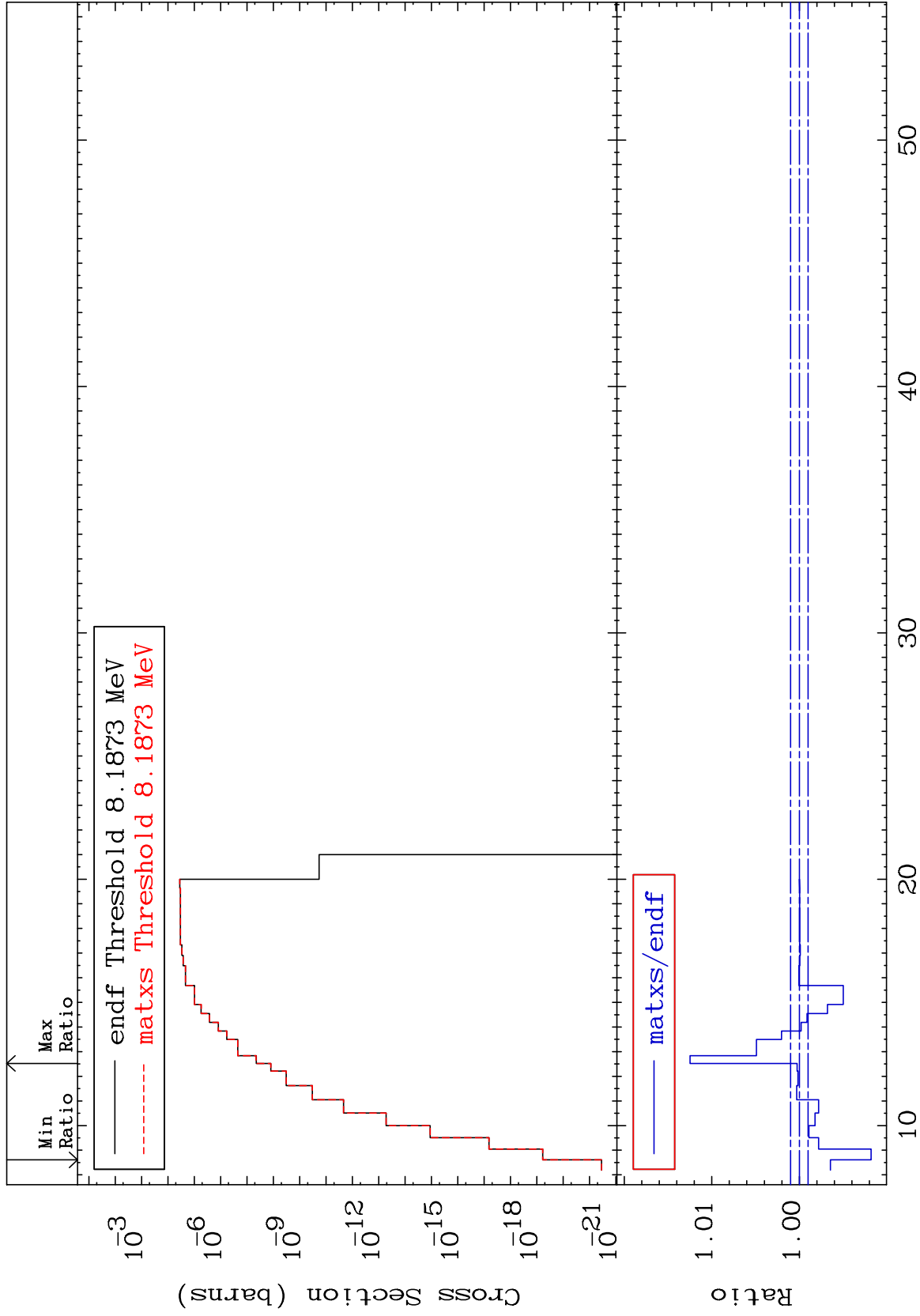
82-Pb-208  
-0.766 To 1.229 %



MAT 8237

265.8 keV (n,t') Level  
Cross Section

82-Pb-208  
-0.819 To 1.248 %

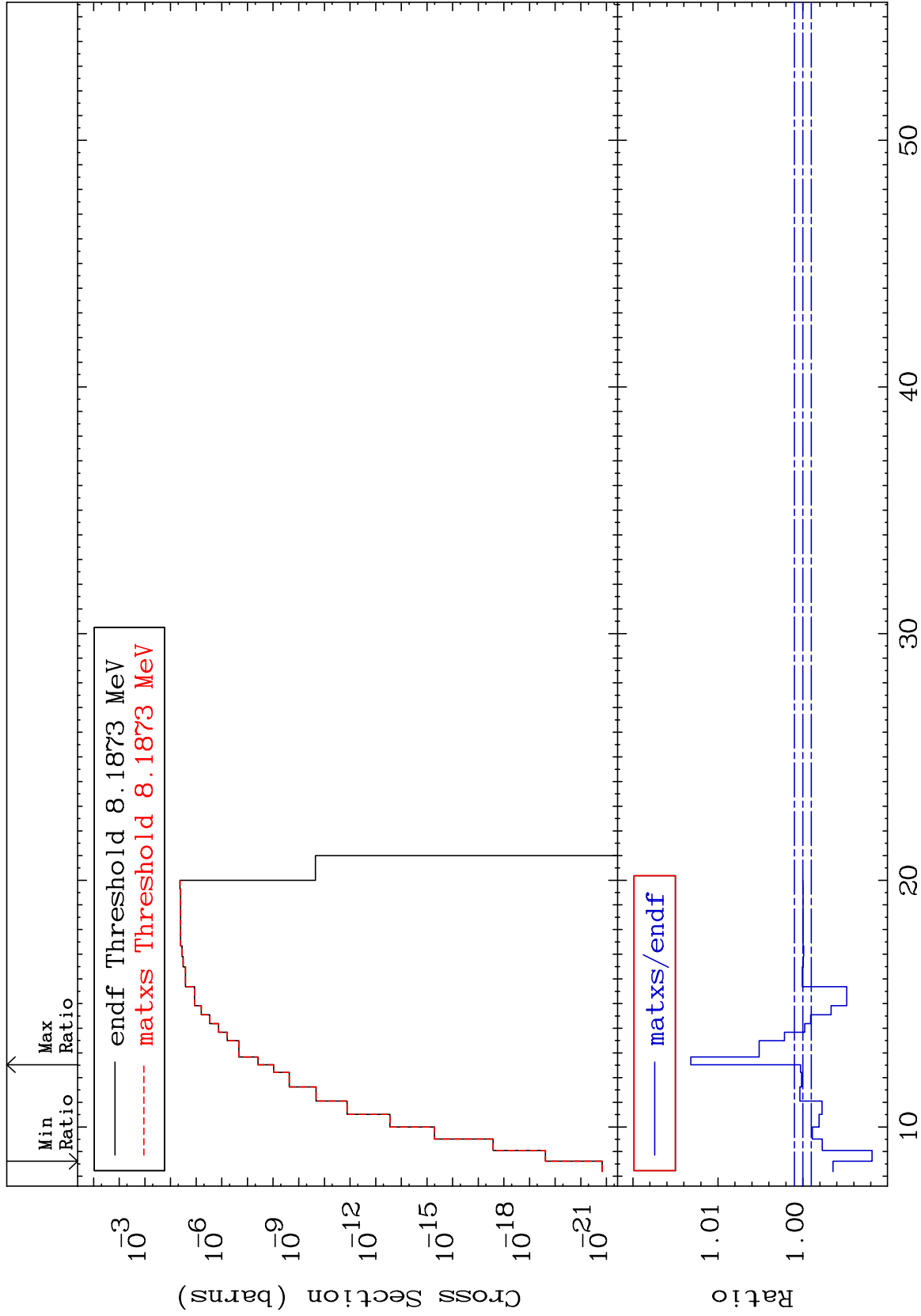


35

MAT 8237

304.9 keV (n, t') Level  
Cross Section

82-Pb-208  
-0.814 To 1.319 %



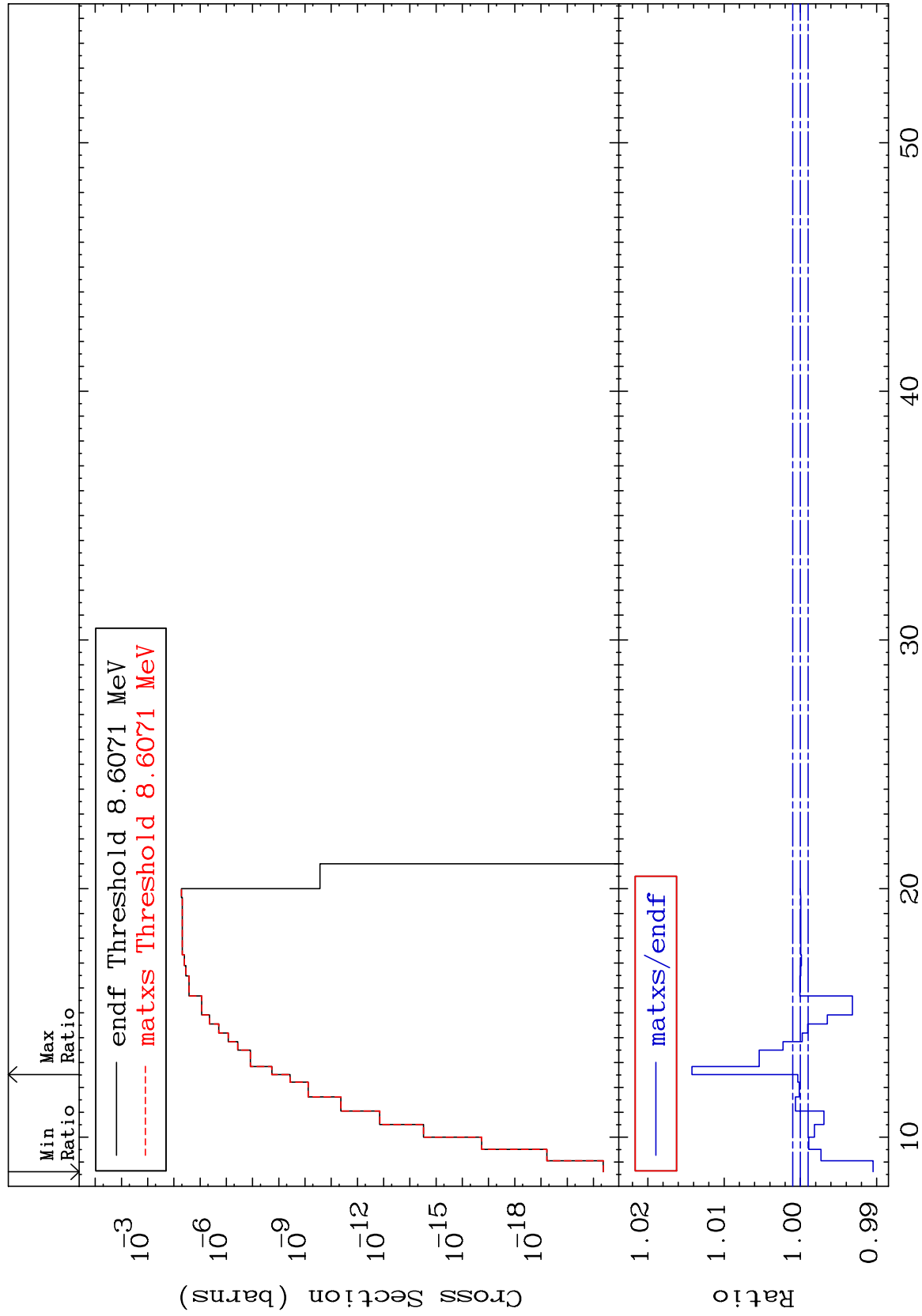
36

82-Pb-208

MAT 8237

635.0 keV (n,t') Level  
Cross Section

82-Pb-208  
-0.952 To 1.421 %



37

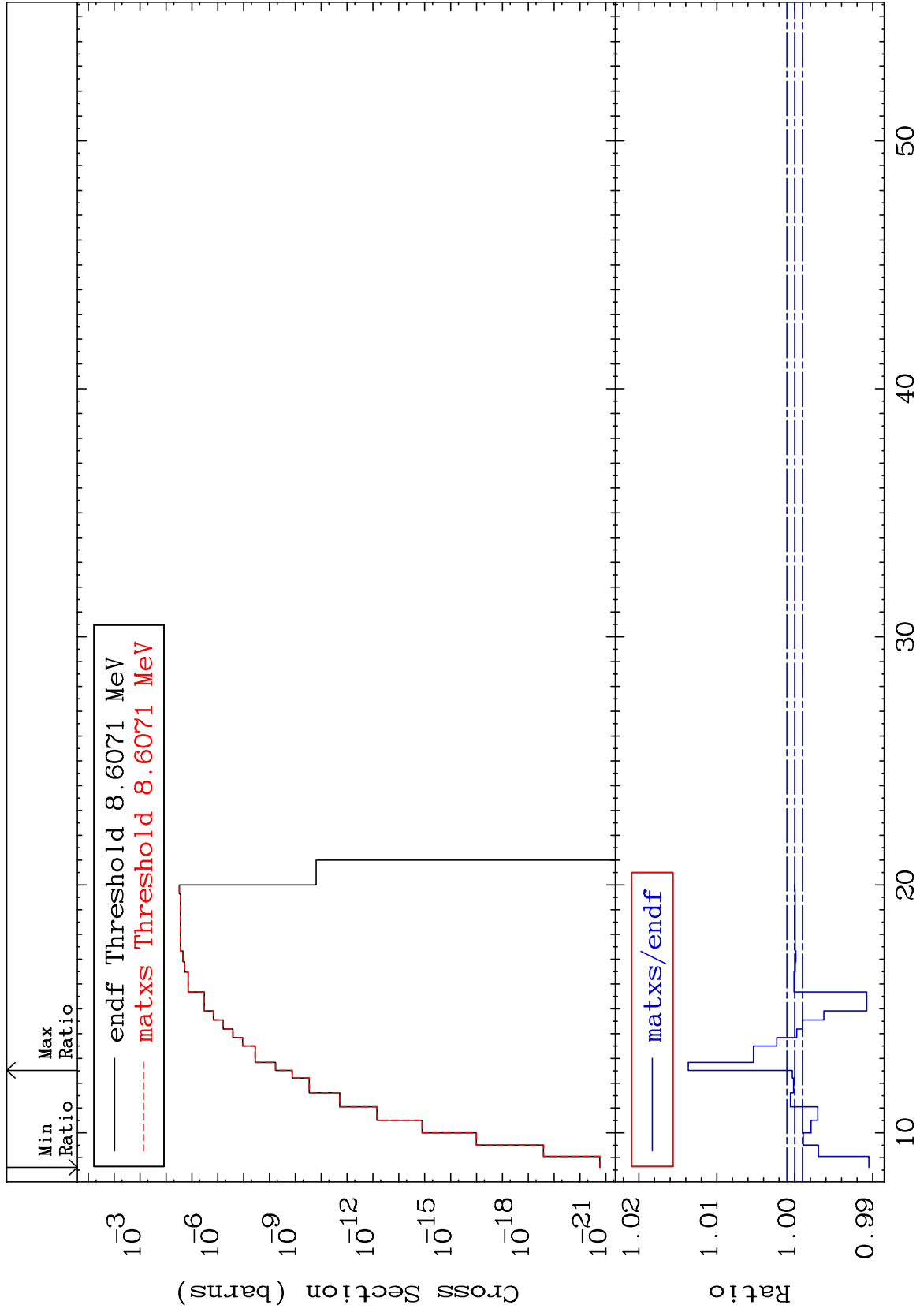
Incident Energy (MeV)

82-Pb-208

MAT 8237

649.4 keV (n,t') Level  
Cross Section

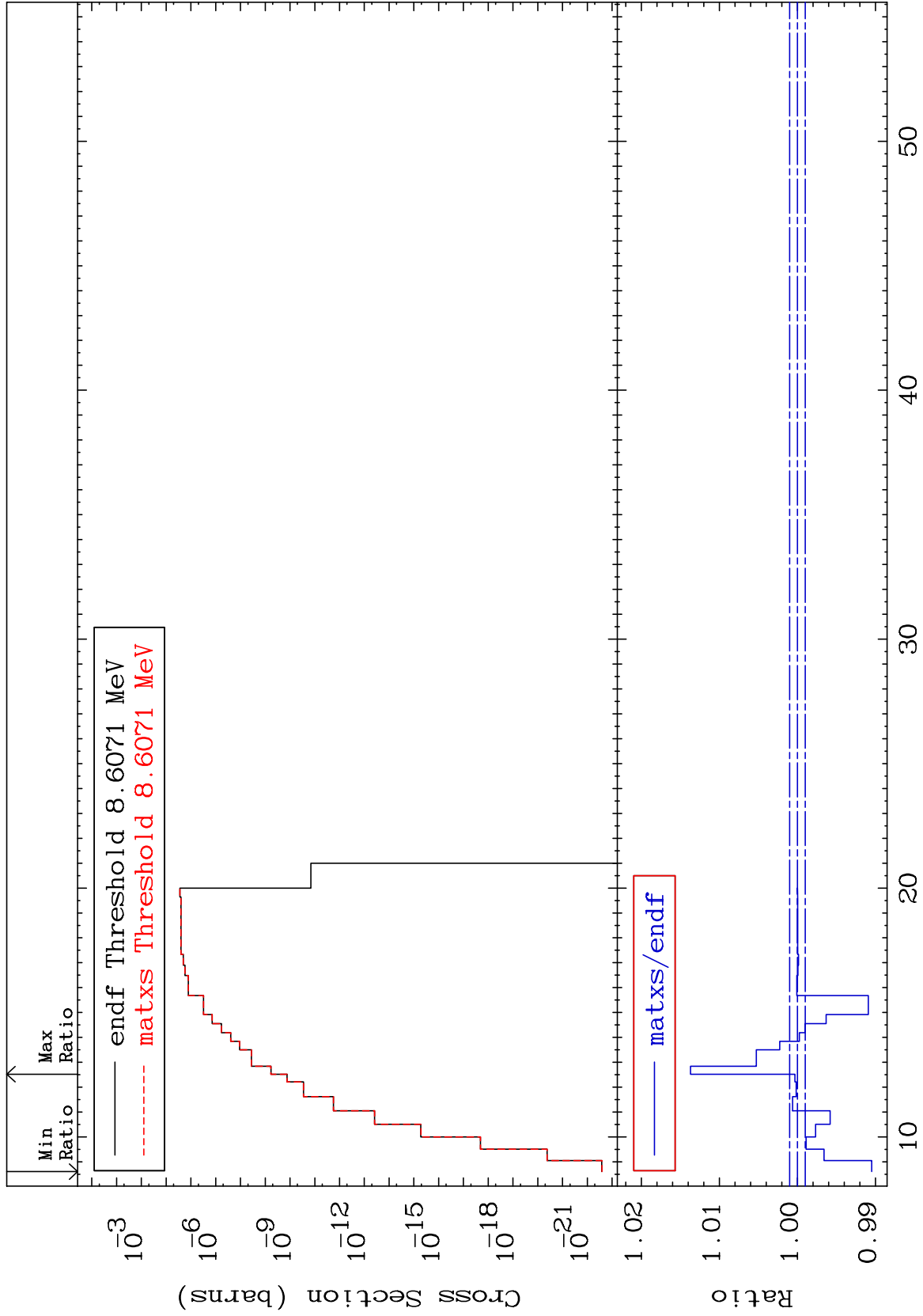
82-Pb-208  
-0.952 To 1.366 %



MAT 8237

801.4 keV (n,t') Level  
Cross Section

82-Pb-208  
-0.952 To 1.369 %

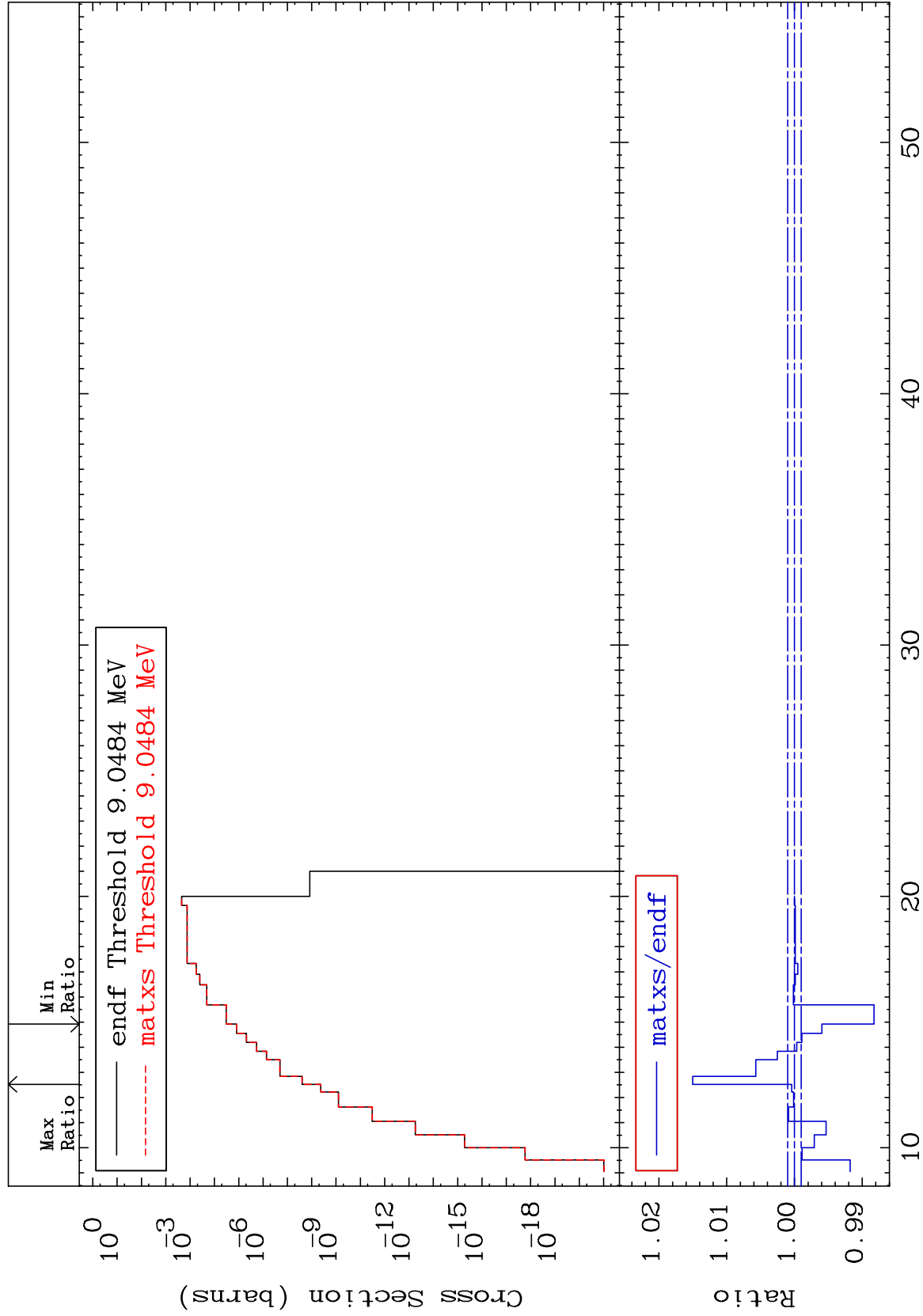




MAT 8237

801.4 keV (n,t') Level  
Cross Section

82-Pb-208  
-1.174 To 1.502 %



40

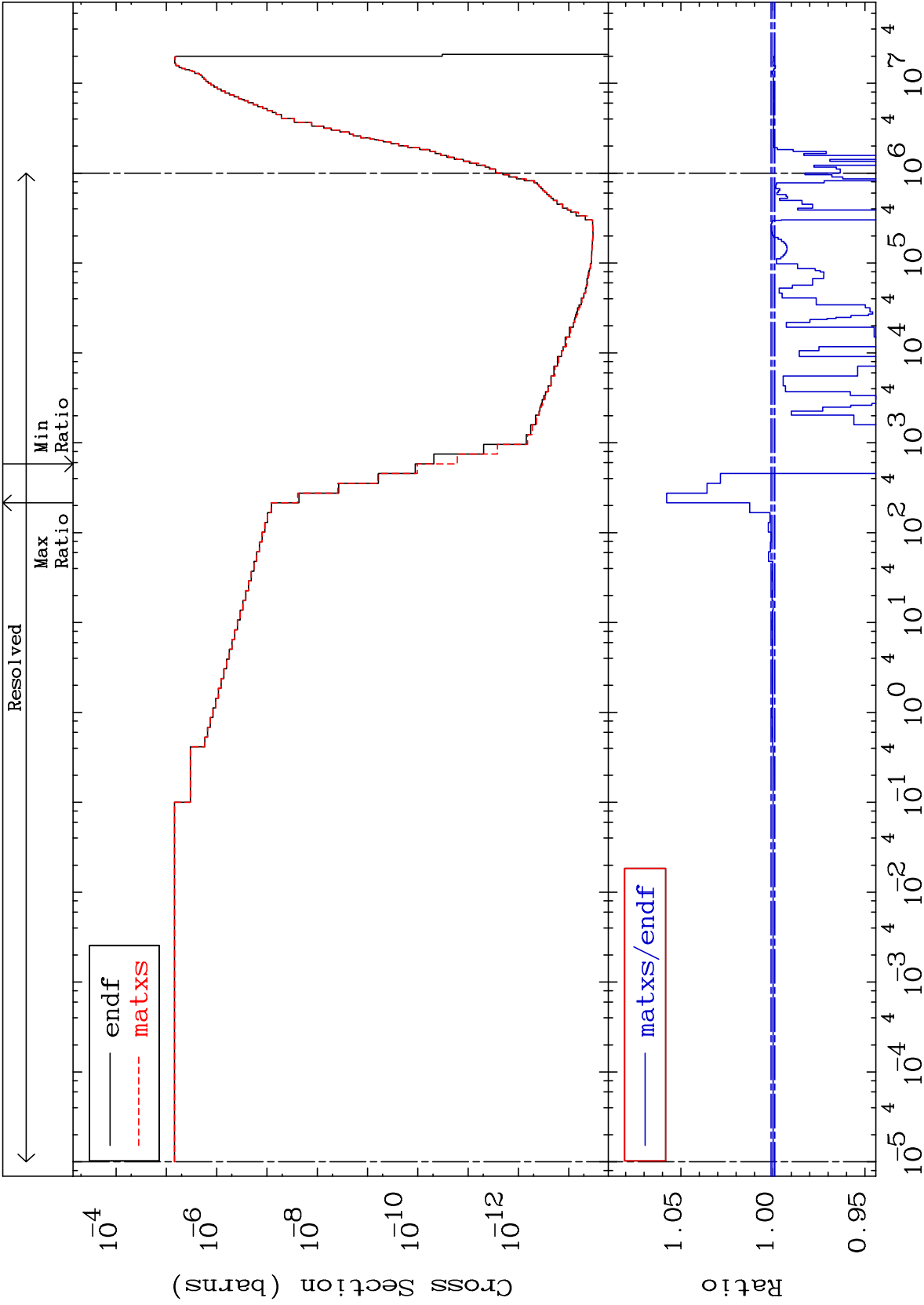
Incident Energy (MeV)

82-Pb-208

MAT 8237

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

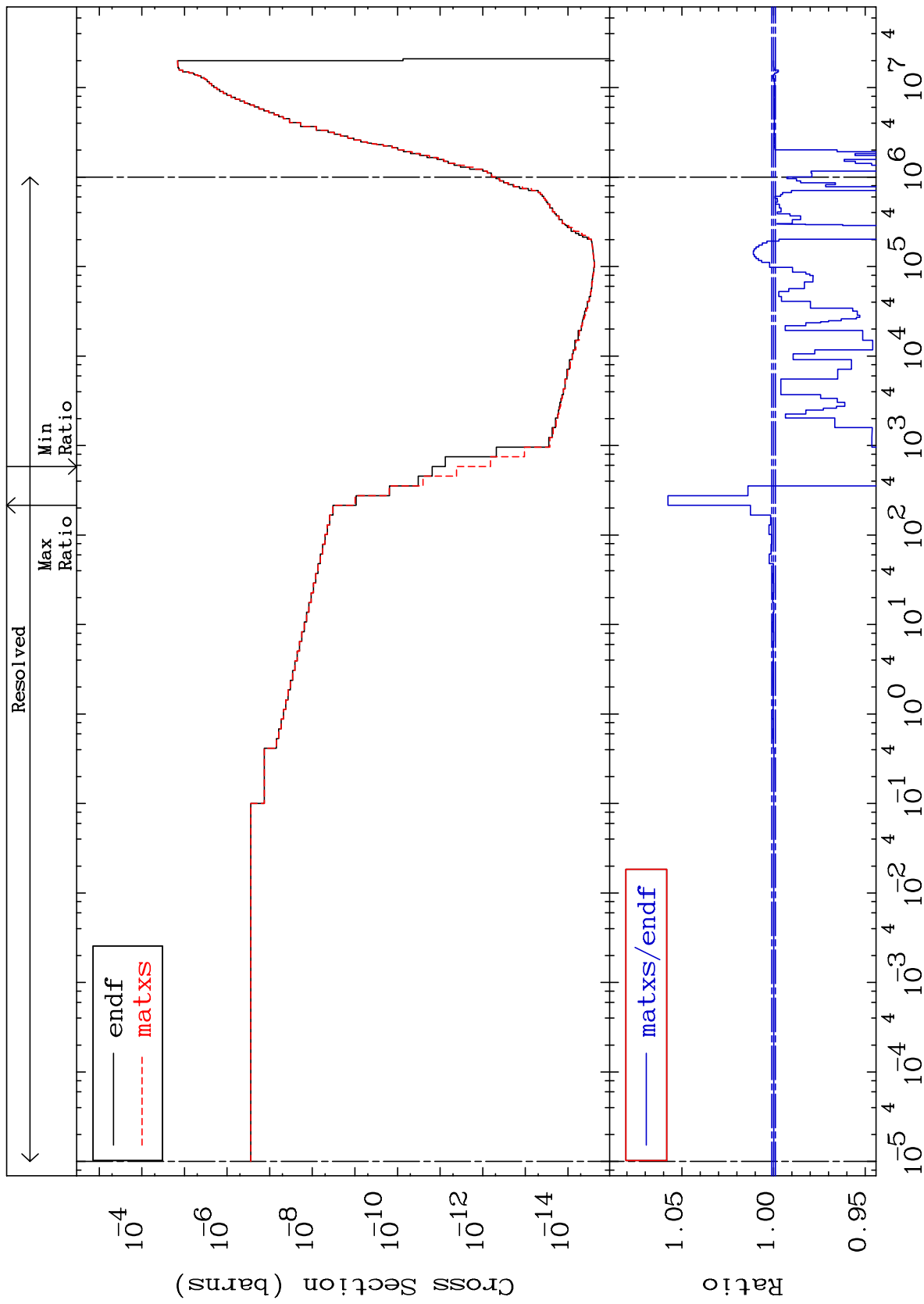
82-Pb-208  
-65.74 To 5.770 %



MAT 8237

379.5 keV (n,α') Level  
Cross Section

82-Pb-208  
-91.25 To 5.770 %



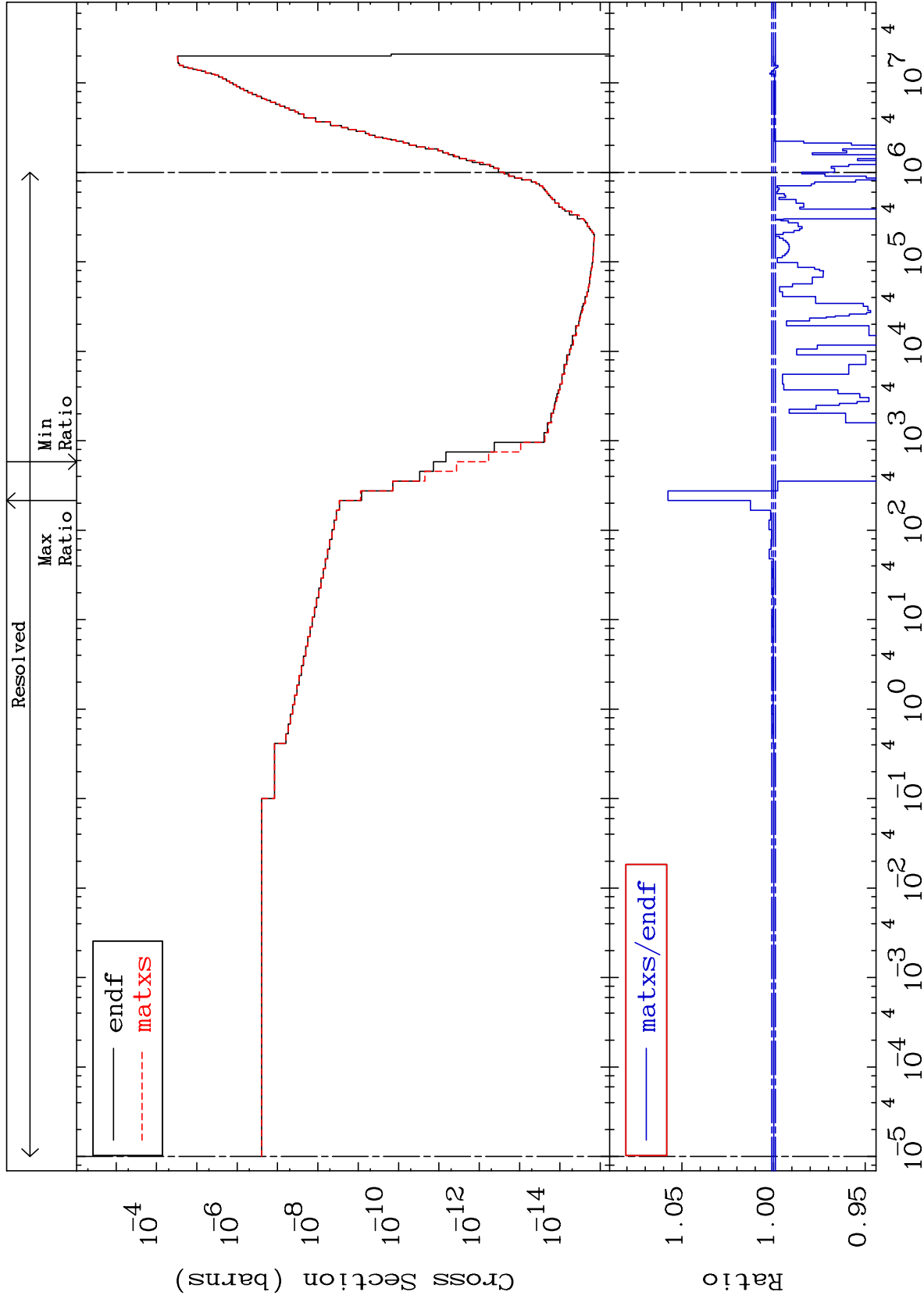
42

82-Pb-208

MAT 8237

467.5 keV (n,  $\alpha'$ ) Level  
Cross Section

82-Pb-208  
-91.25 To 5.770 %



43

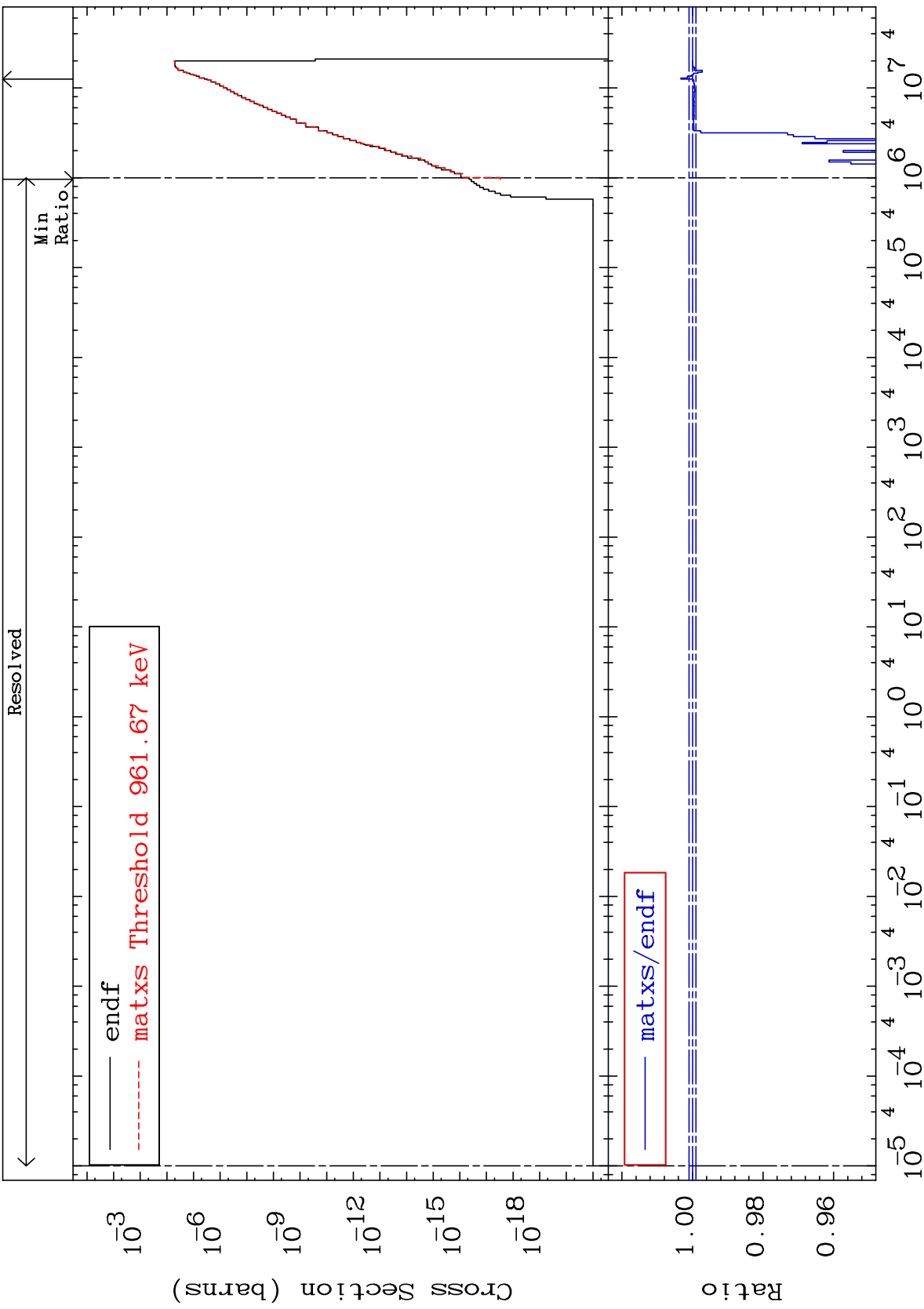
Incident Energy (eV)

82-Pb-208

MAT 8237

1.346 MeV (n,α') Level  
Cross Section

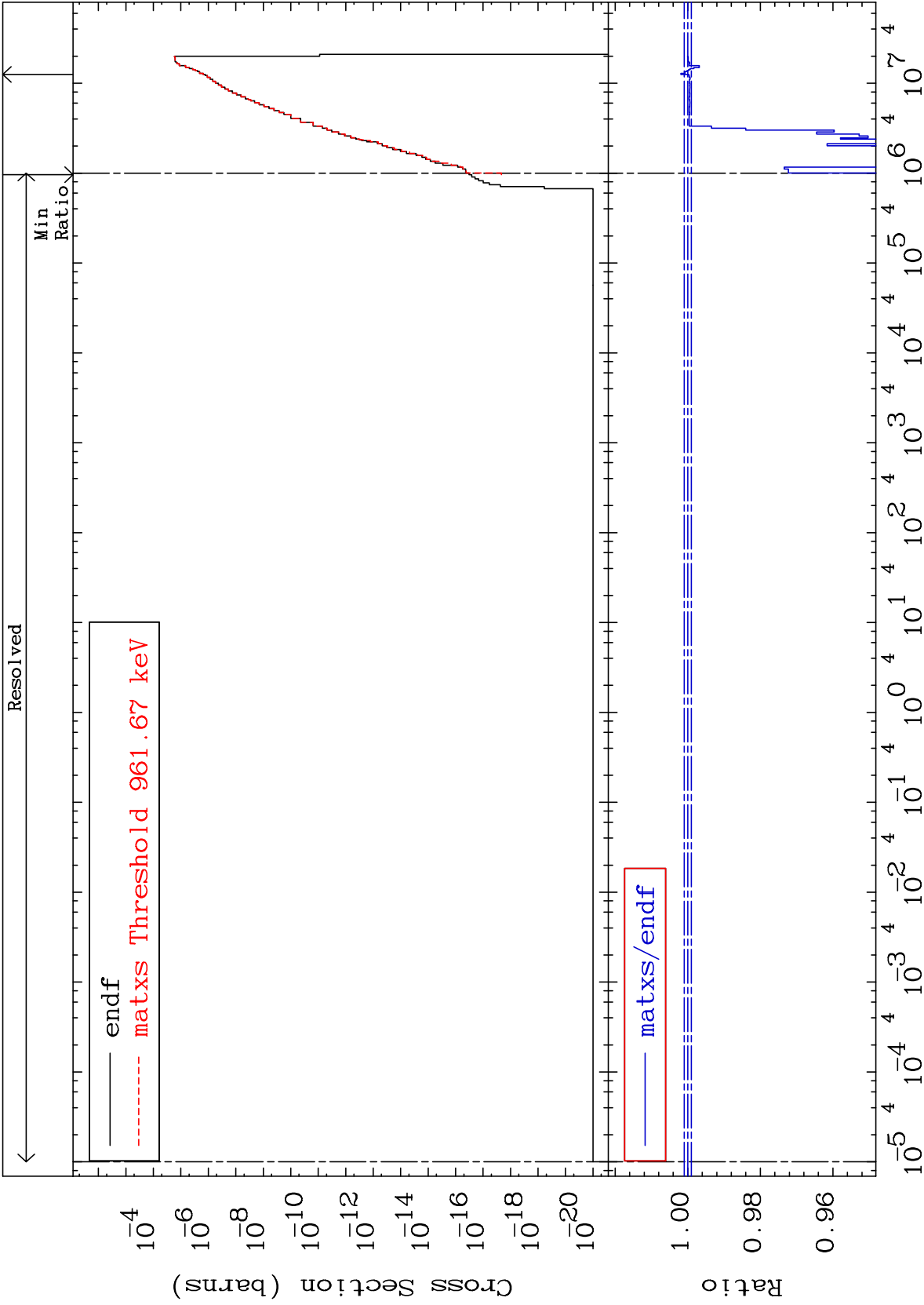
82-Pb-208  
-93.34 To 0.328 %



MAT 8237

1.395 MeV (n,α') Level  
Cross Section

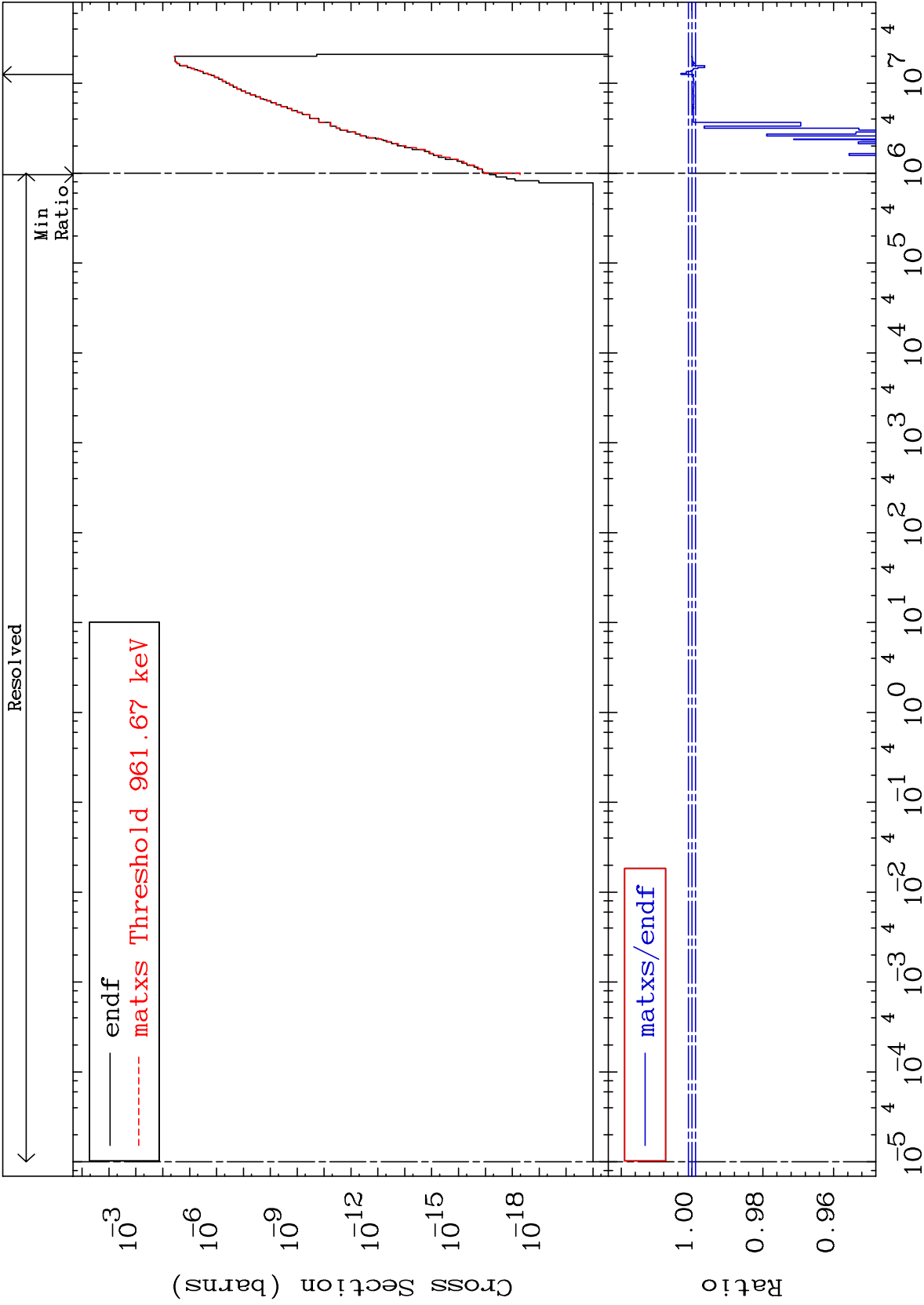
82-Pb-208  
-93.29 To 0.188 %



MAT 8237

1.557 MeV (n,  $\alpha'$ ) Level  
Cross Section

82-Pb-208  
-92.73 To 0.312 %



46

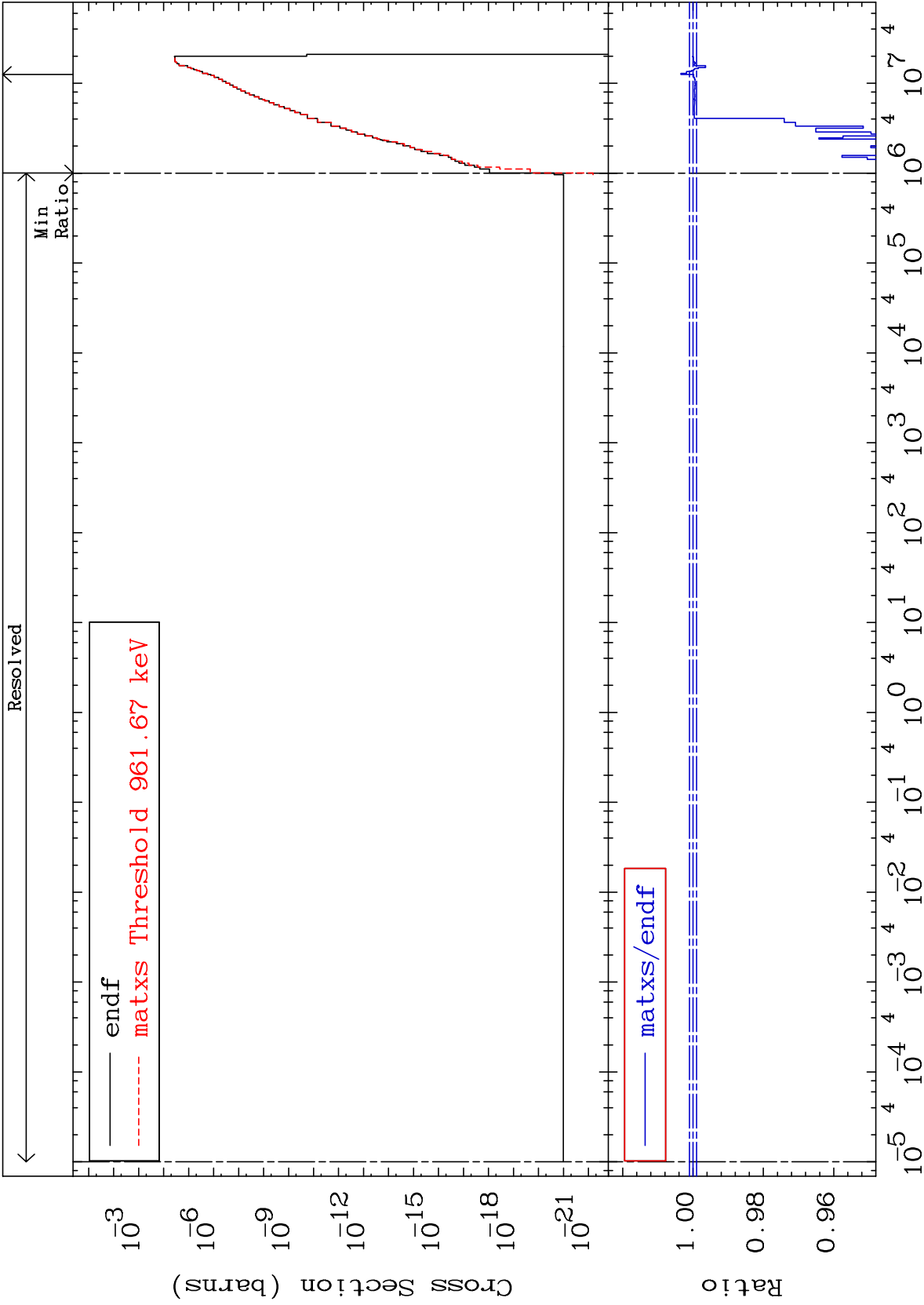
Incident Energy (eV)

82-Pb-208

MAT 8237

1.847 MeV (n,  $\alpha'$ ) Level  
Cross Section

82-Pb-208  
-97.65 To 0.344 %



47

Incident Energy (eV)

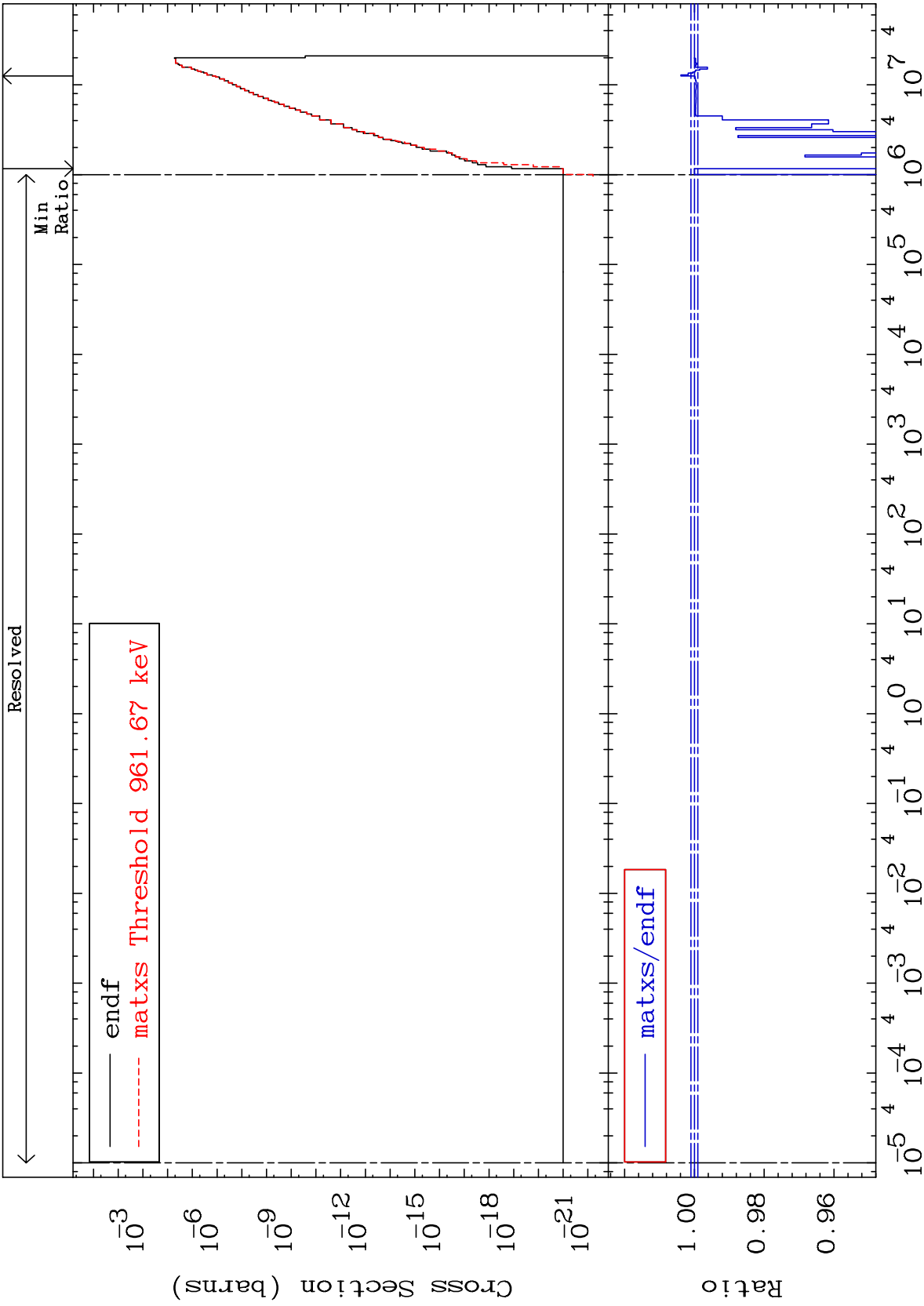
82-Pb-208



MAT 8237

2.012 MeV (n,  $\alpha'$ ) Level  
Cross Section

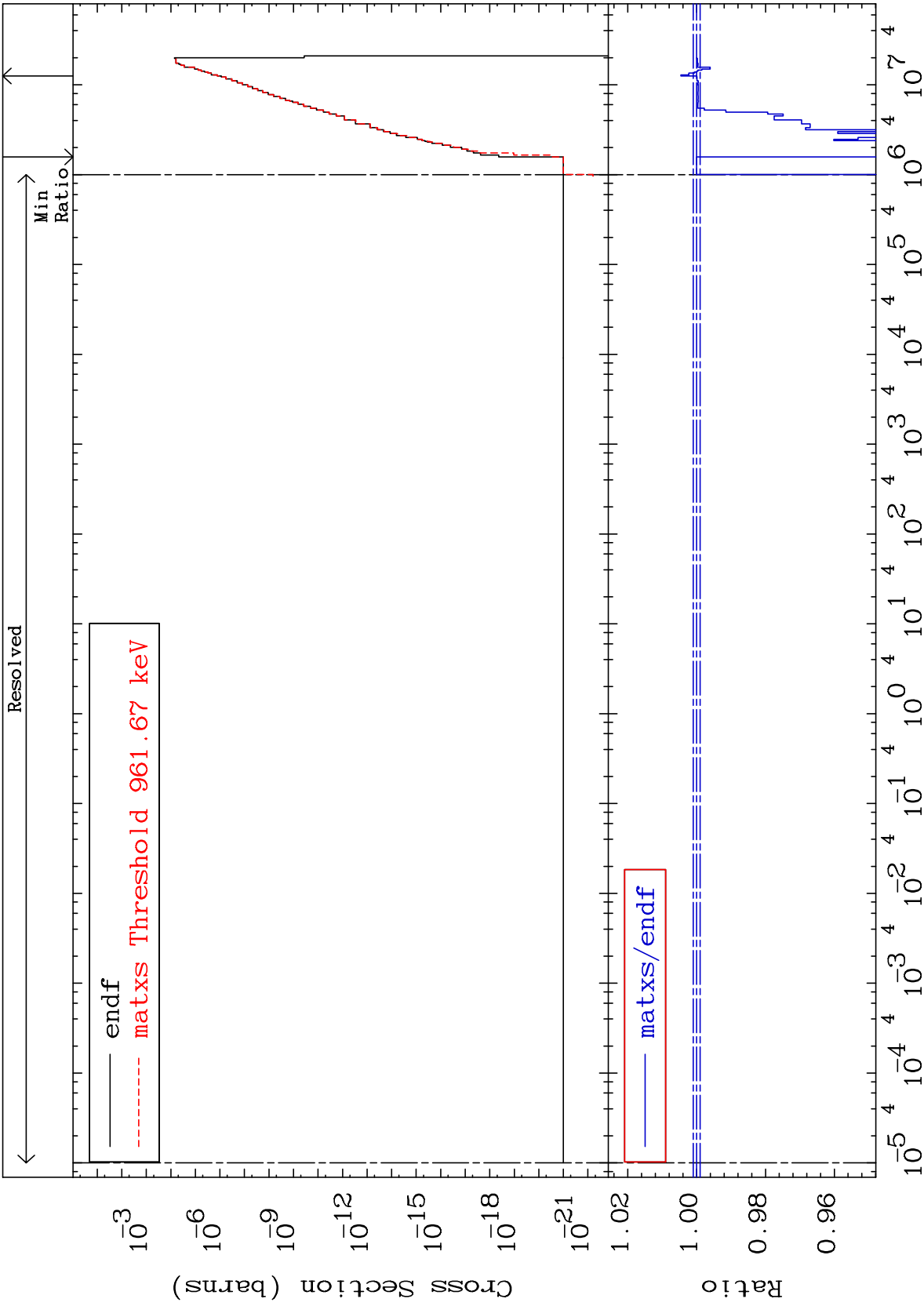
82-Pb-208  
-98.89 To 0.387 %



MAT 8237

2.337 MeV (n,  $\alpha'$ ) Level  
Cross Section

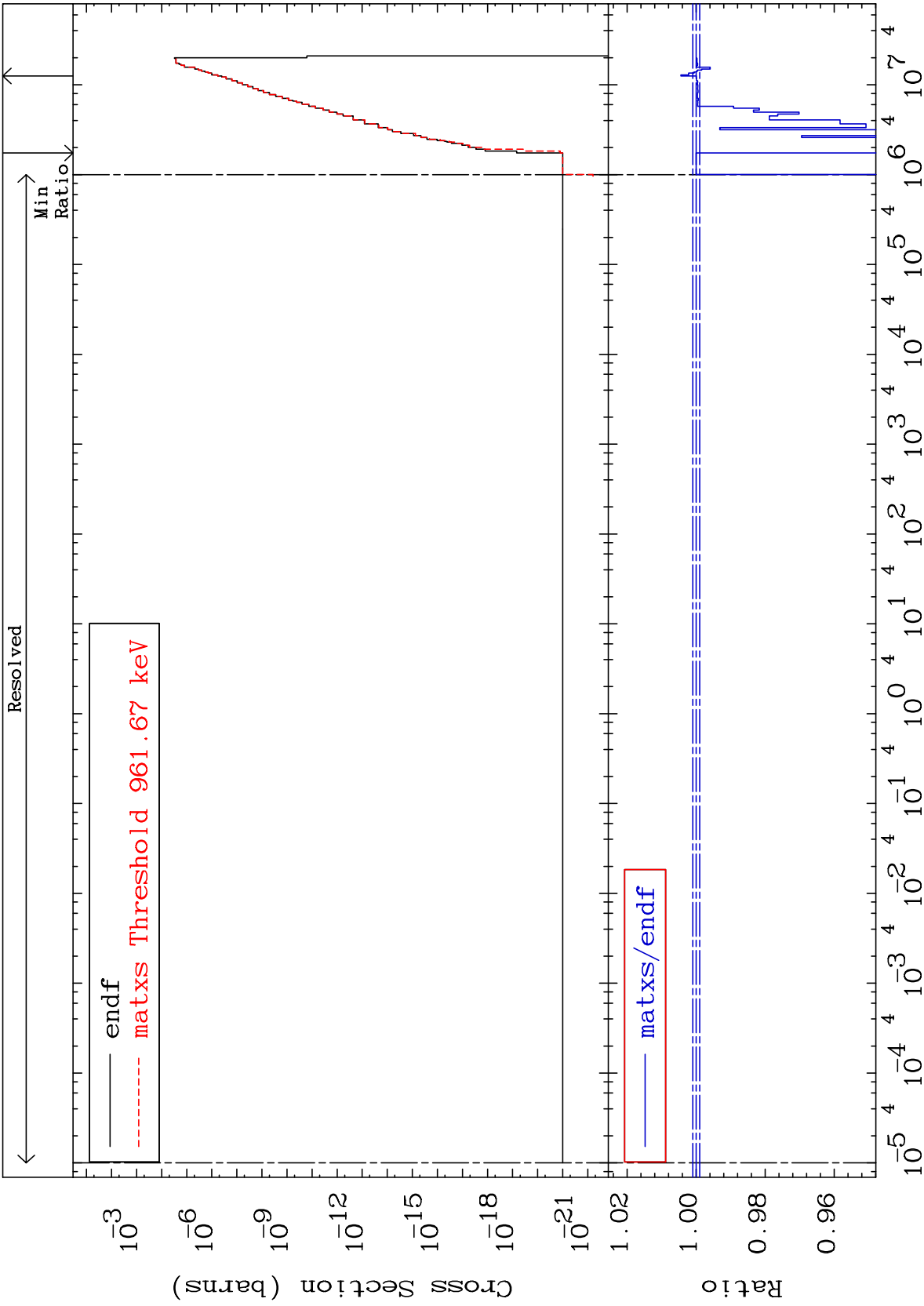
82-Pb-208  
-99.30 To 0.457 %



MAT 8237

2.540 MeV (n,α') Level  
Cross Section

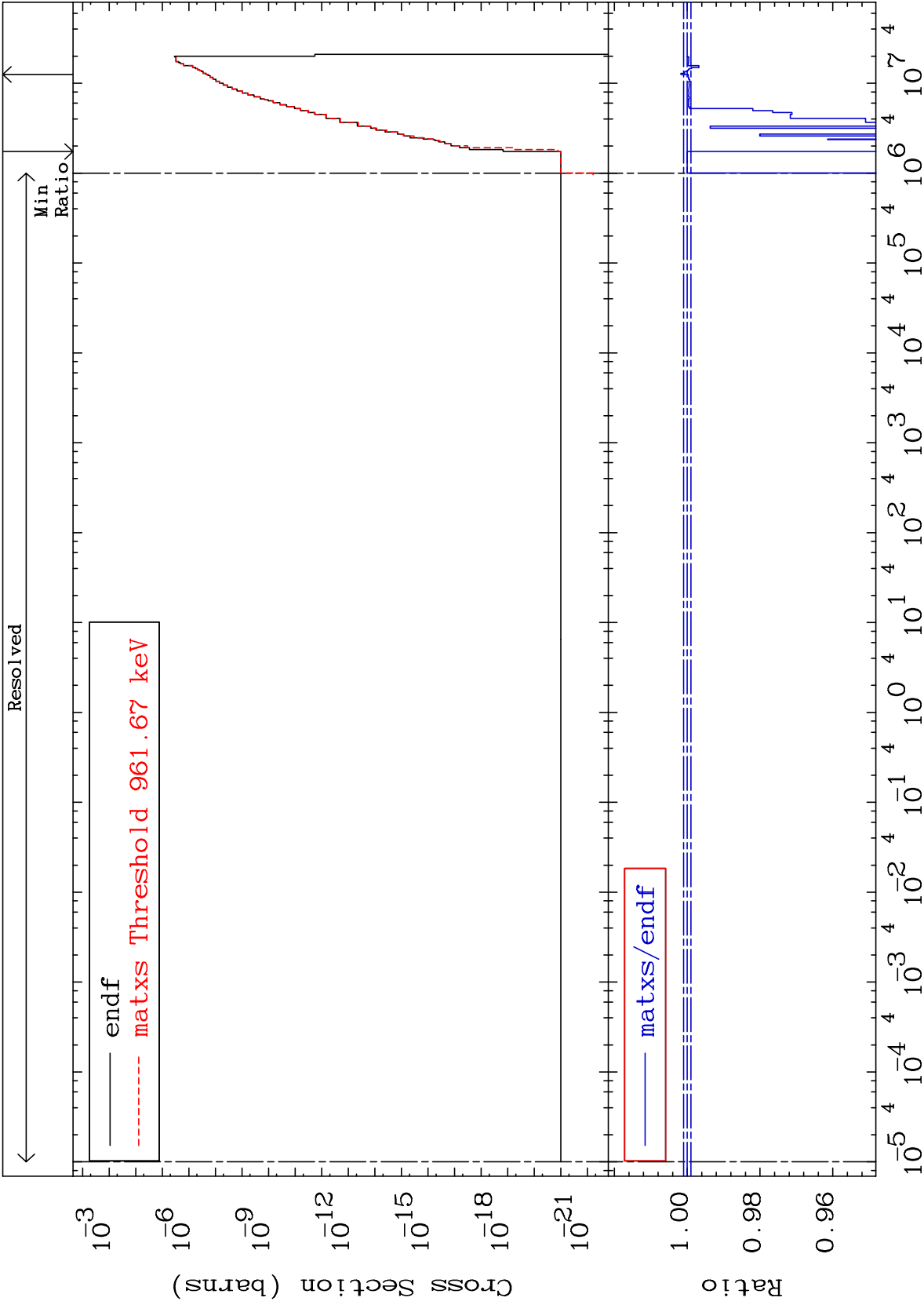
82-Pb-208  
-98.16 To 0.443 %



MAT 8237

2.566 MeV (n,α') Level  
Cross Section

82-Pb-208  
-99.14 To 0.172 %



MAT 8237

2.566 MeV (n,α') Level  
Cross Section

82-Pb-208  
-99.23 To 0.317 %

