

Program Complot  
(Version 2018-1)

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: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

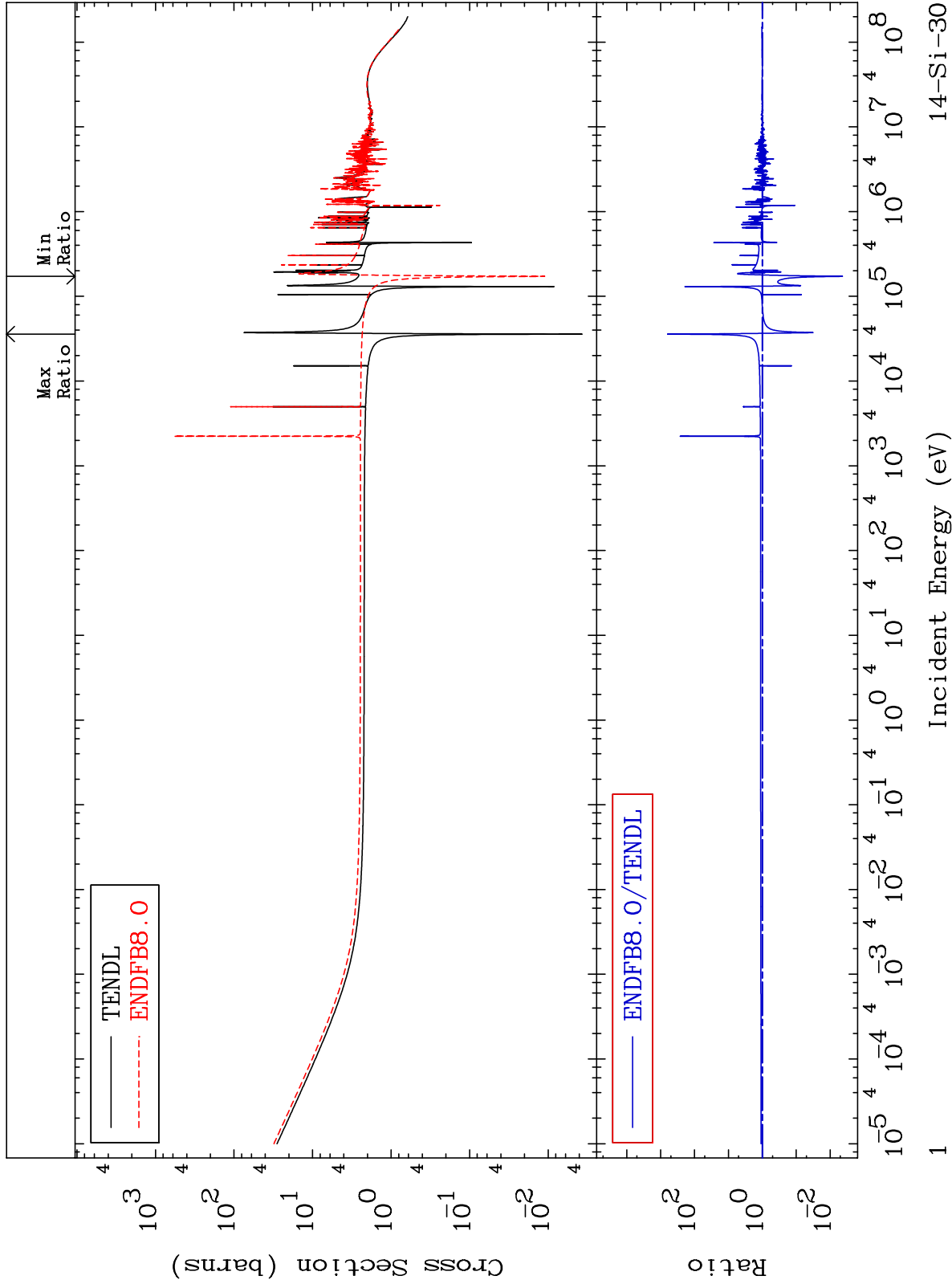
MAT 1431

Total

14-Si-30

Cross Section

-99.57 To 9999. %



Incident Energy (eV)

14-Si-30

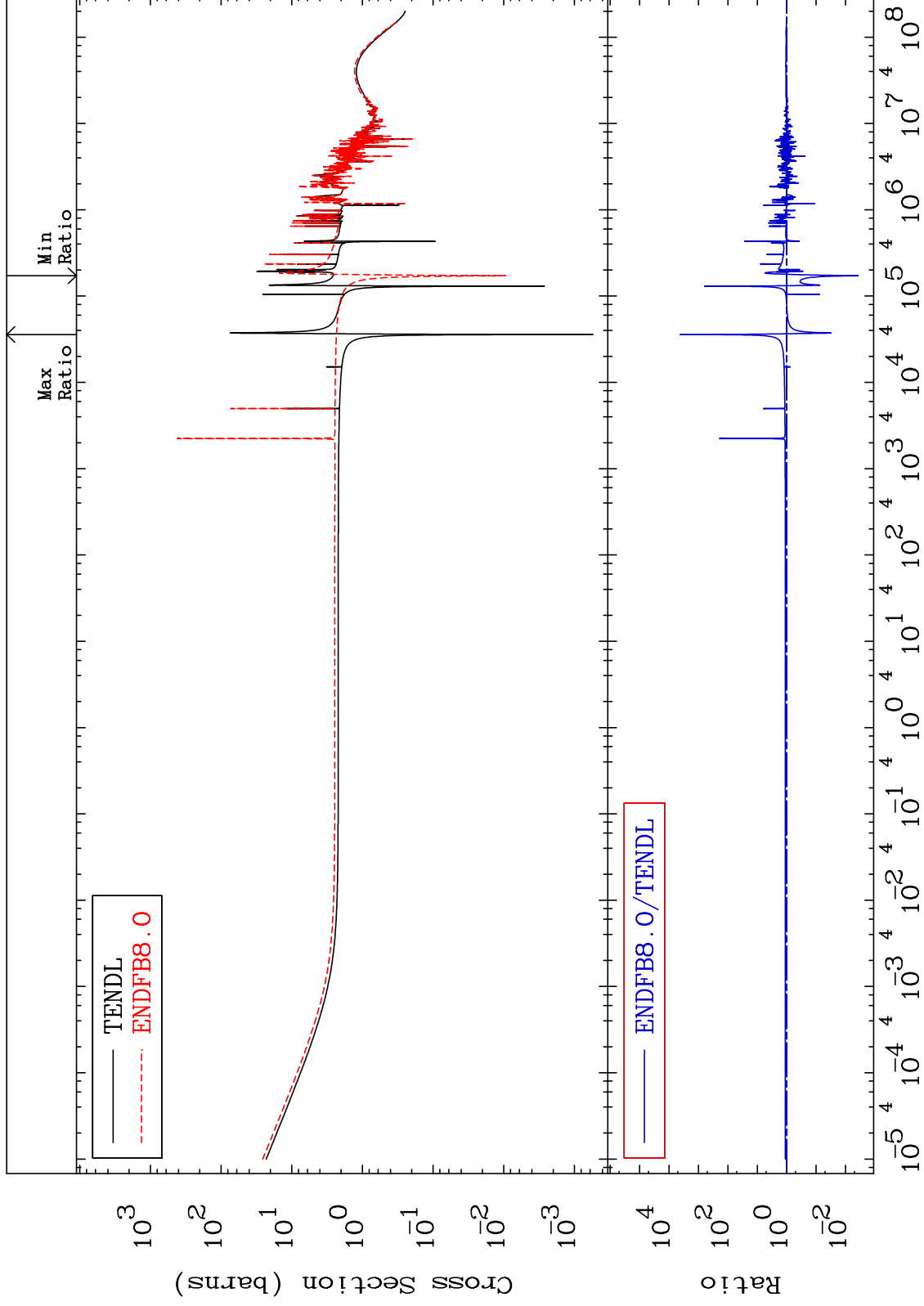
MAT 1431

Elastic

Cross Section

14-Si-30

-99.63 To 9999. %



Incident Energy (eV)

14-Si-30

2

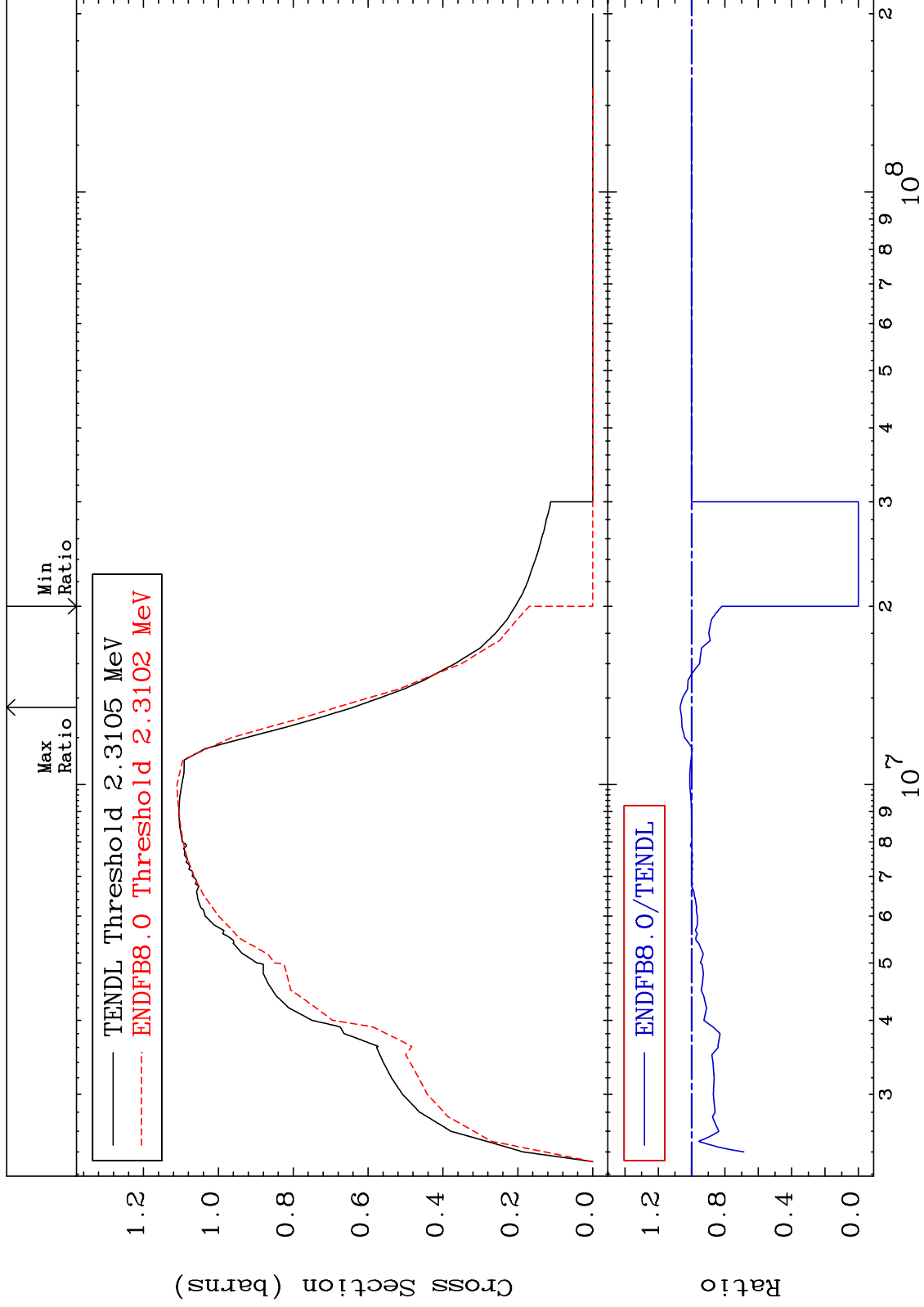
MAT 1431

Inelastic

14-Si-30

Cross Section

-100.0 To 6.951 %



3

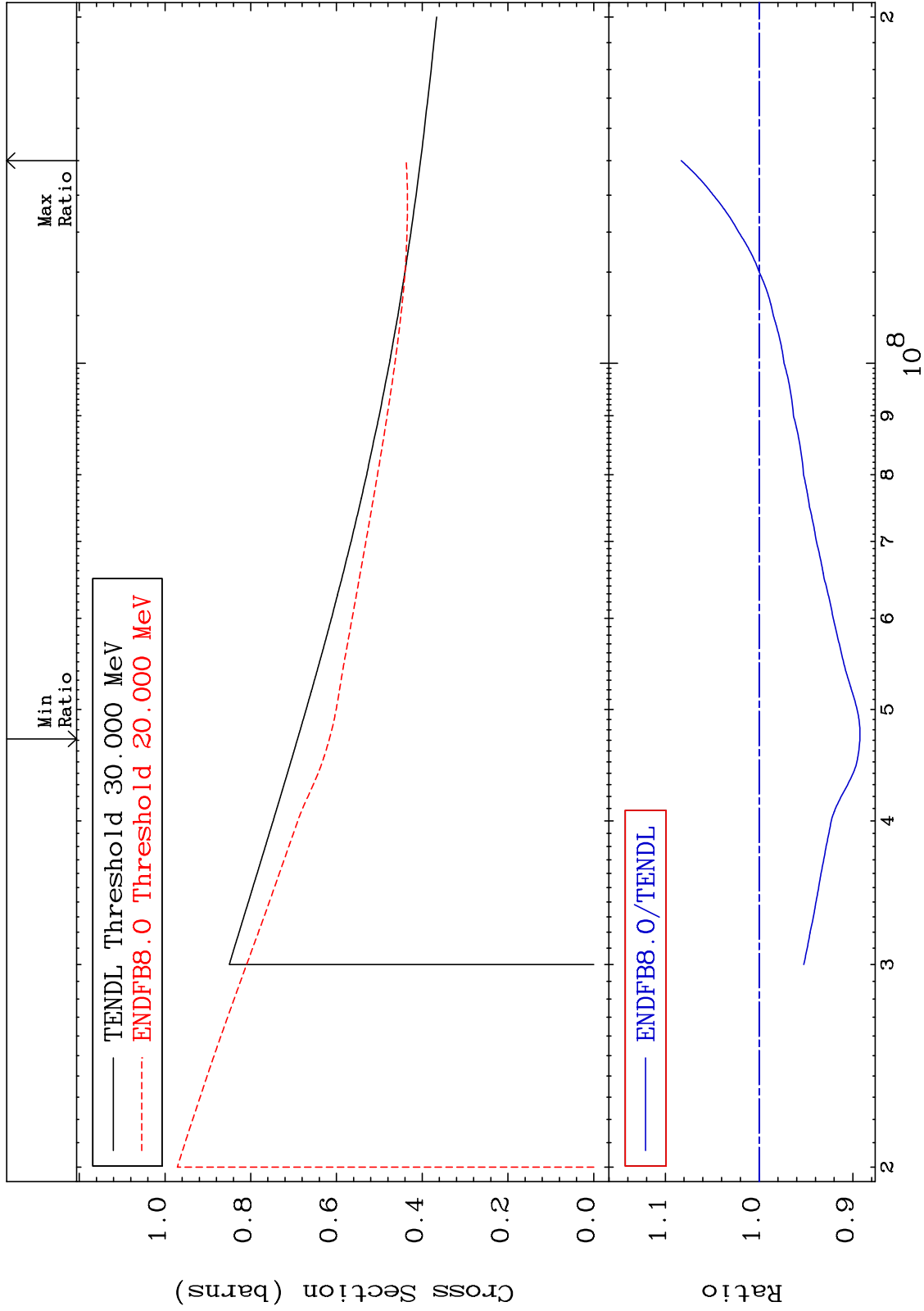
Incident Energy (eV)

14-Si-30

MAT 1431

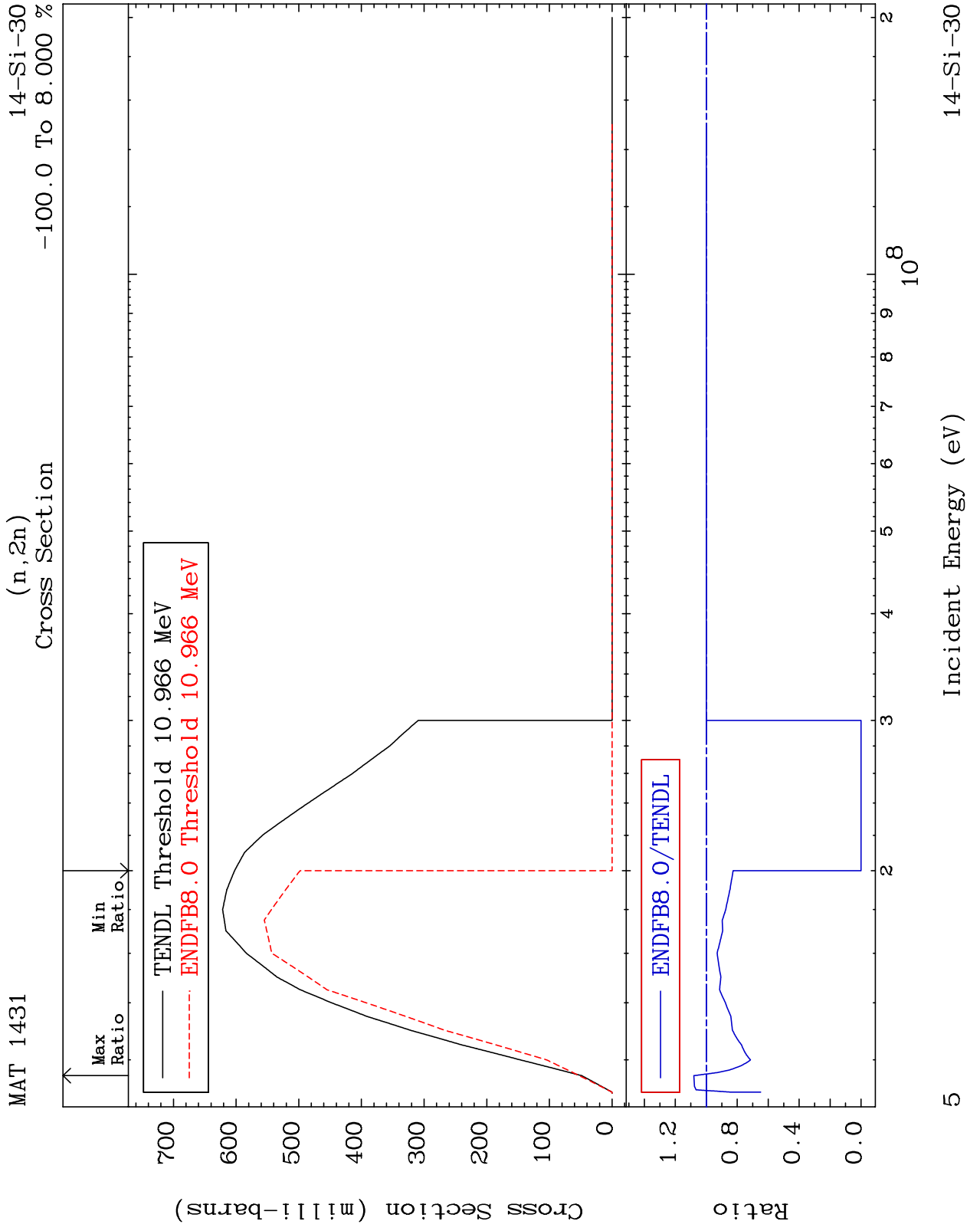
(n, remainder)  
Cross Section

14-Si-30  
-10.74 To 8.306 %



14-Si-30

Incident Energy (eV)



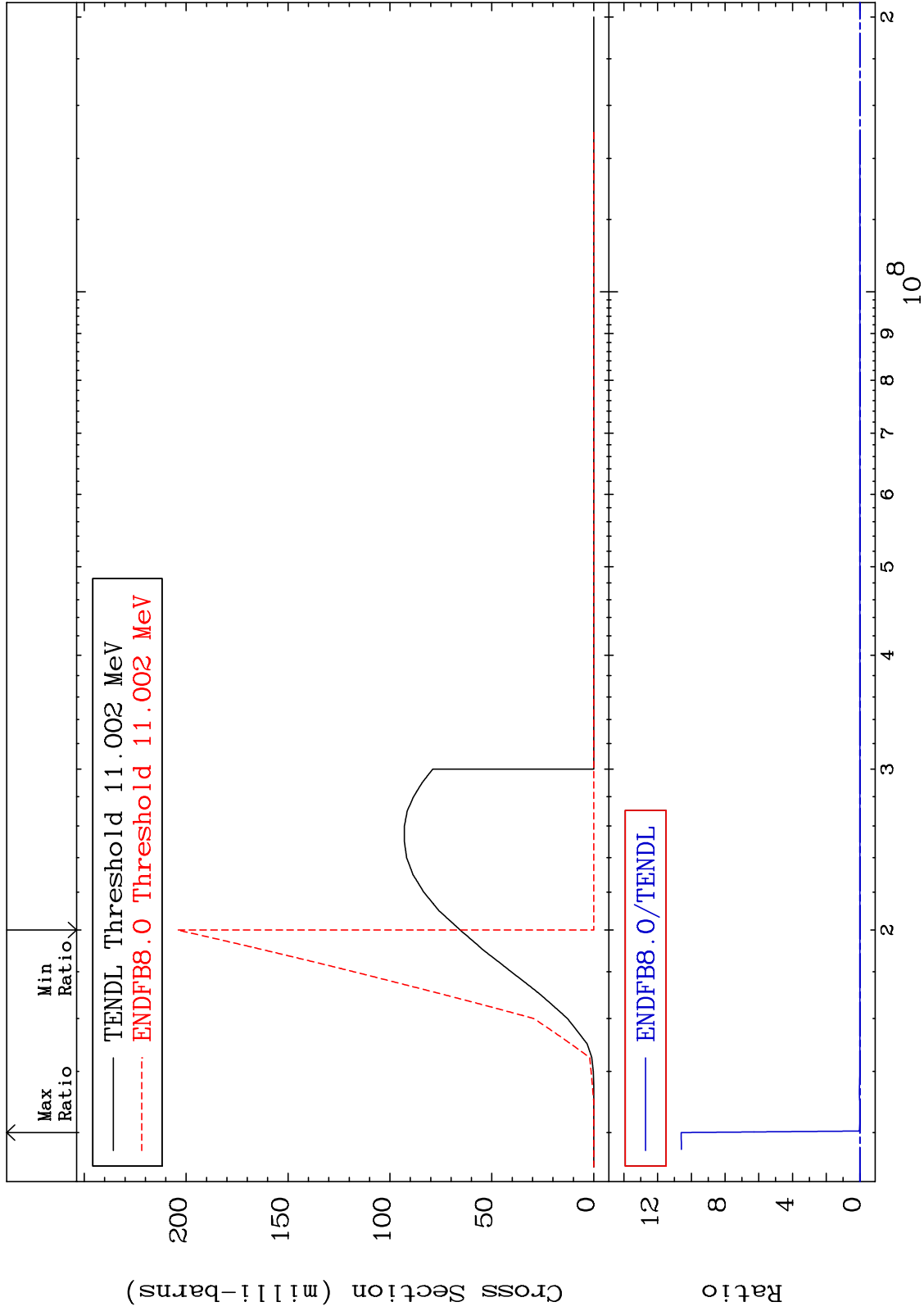
MAT 1431

(n,n')  $\alpha$

14-Si-30

Cross Section

-100.0 To 9999. %



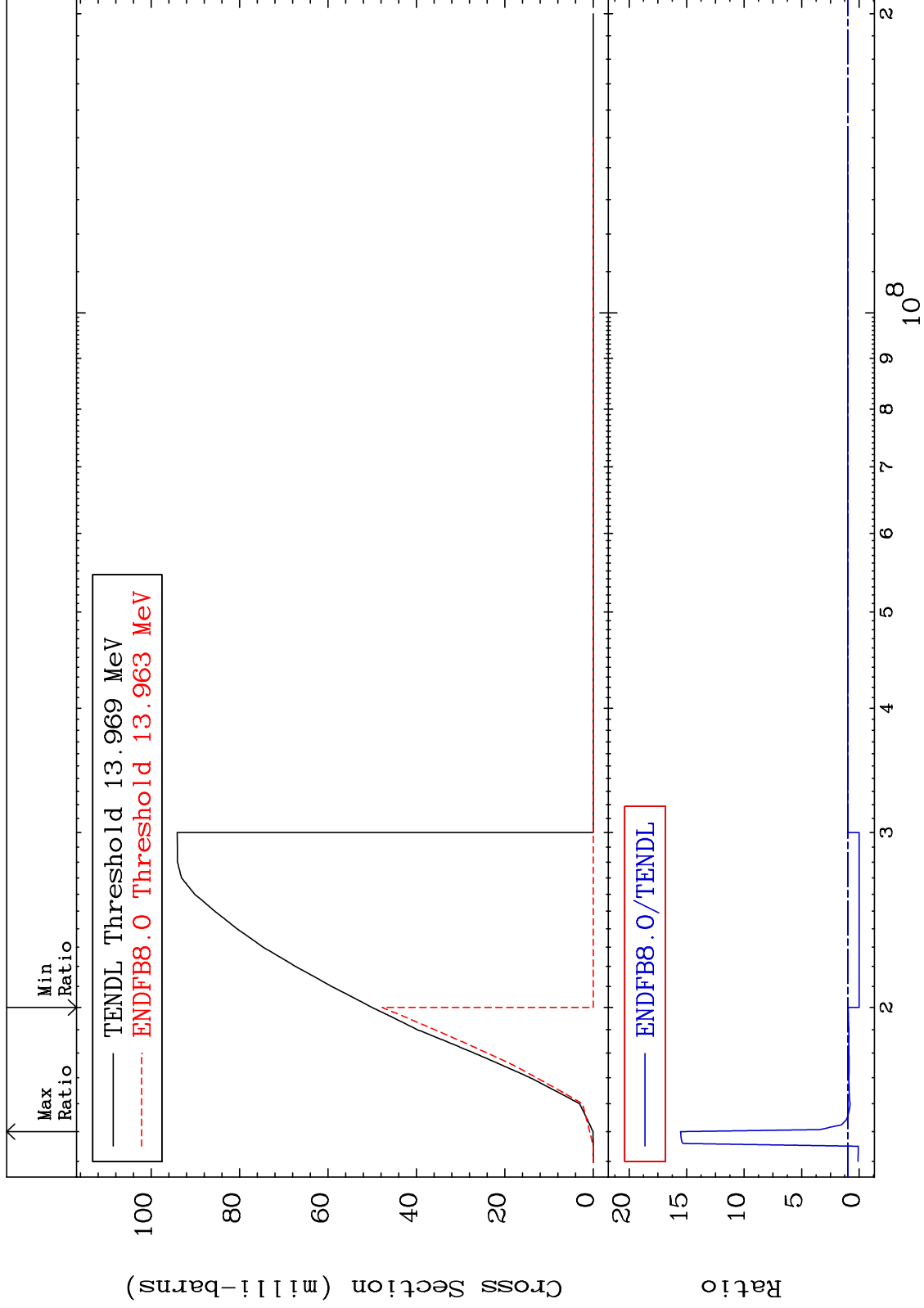
MAT 1431

(n,n') p

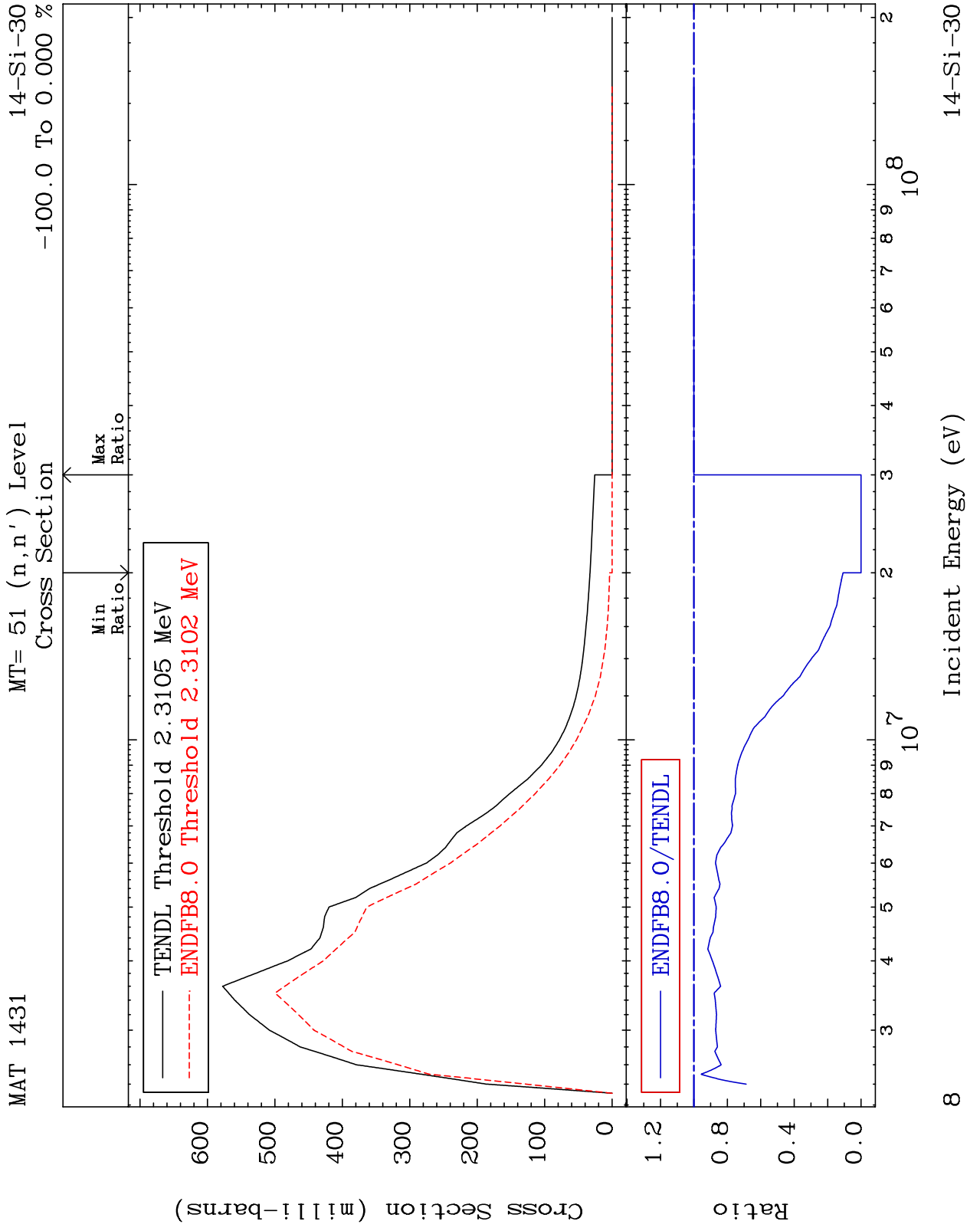
14-Si-30

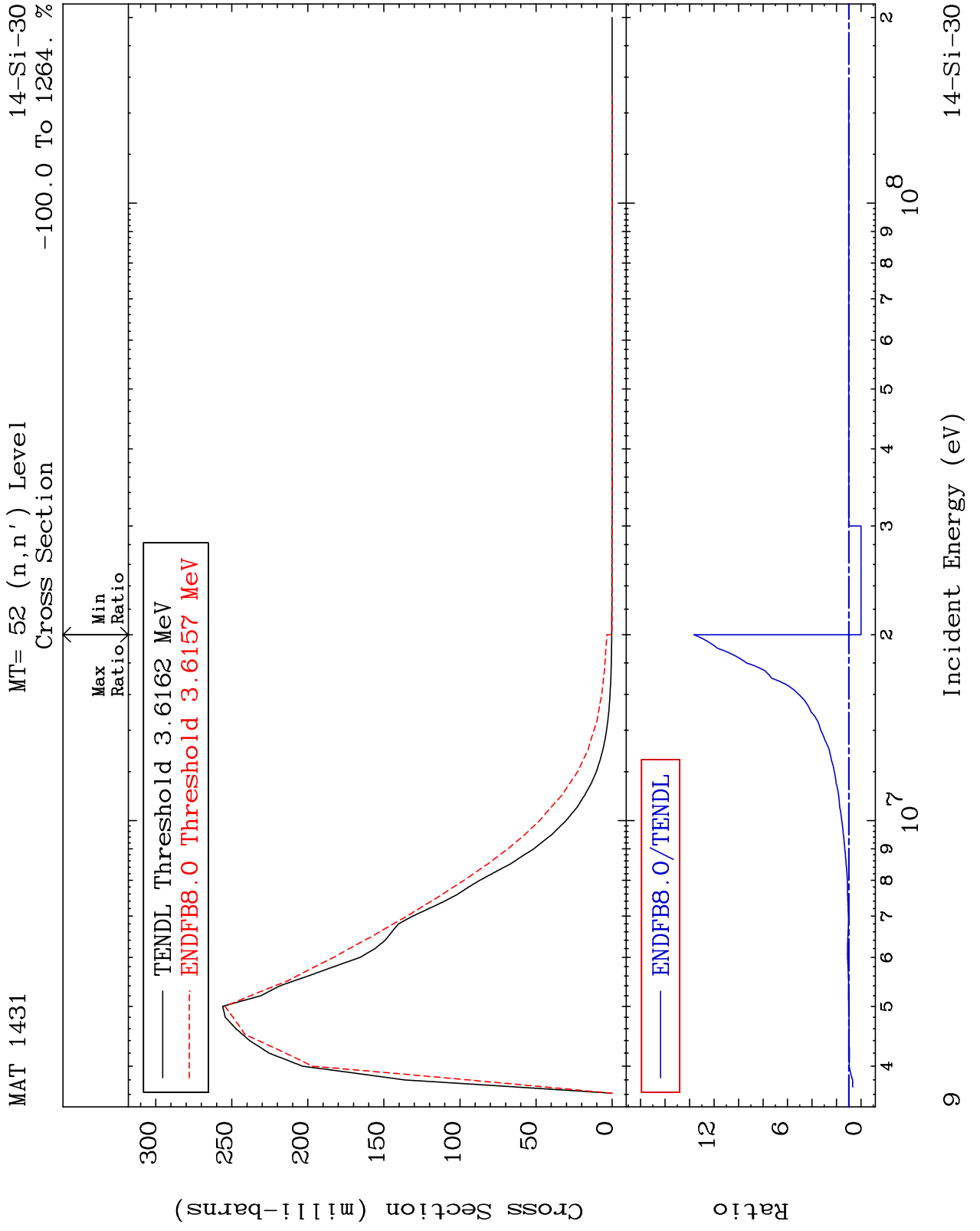
Cross Section

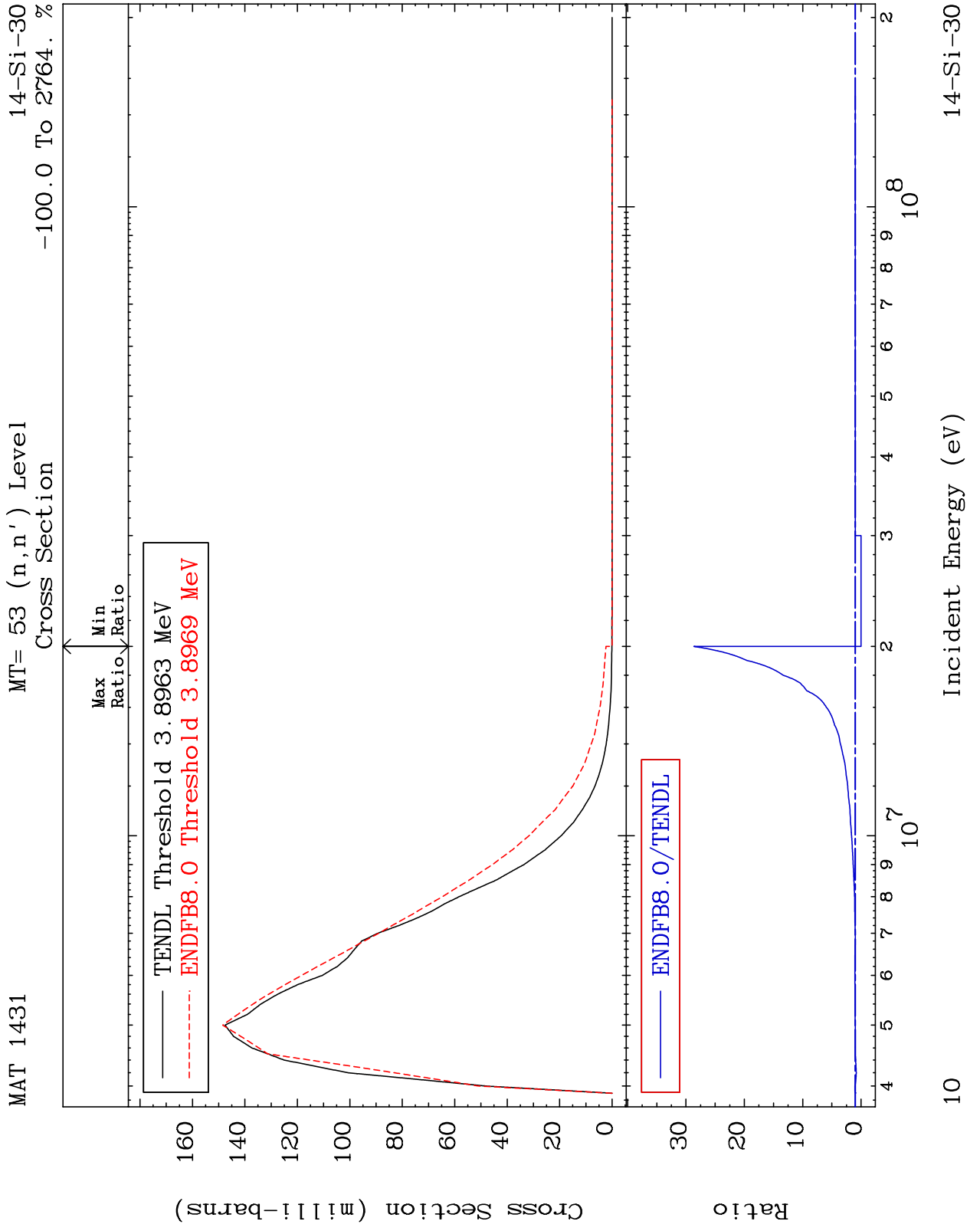
-100.0 To 1452. %

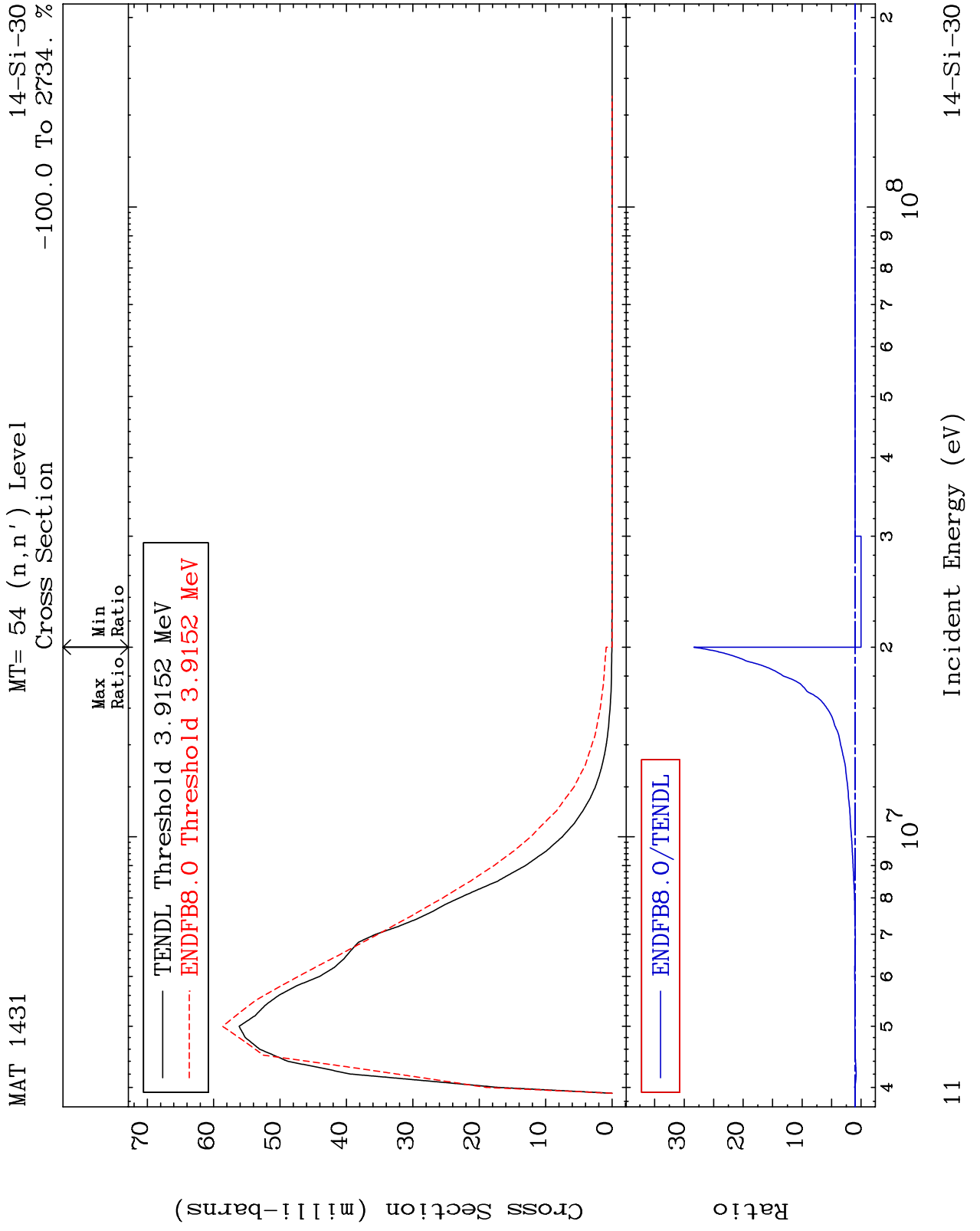




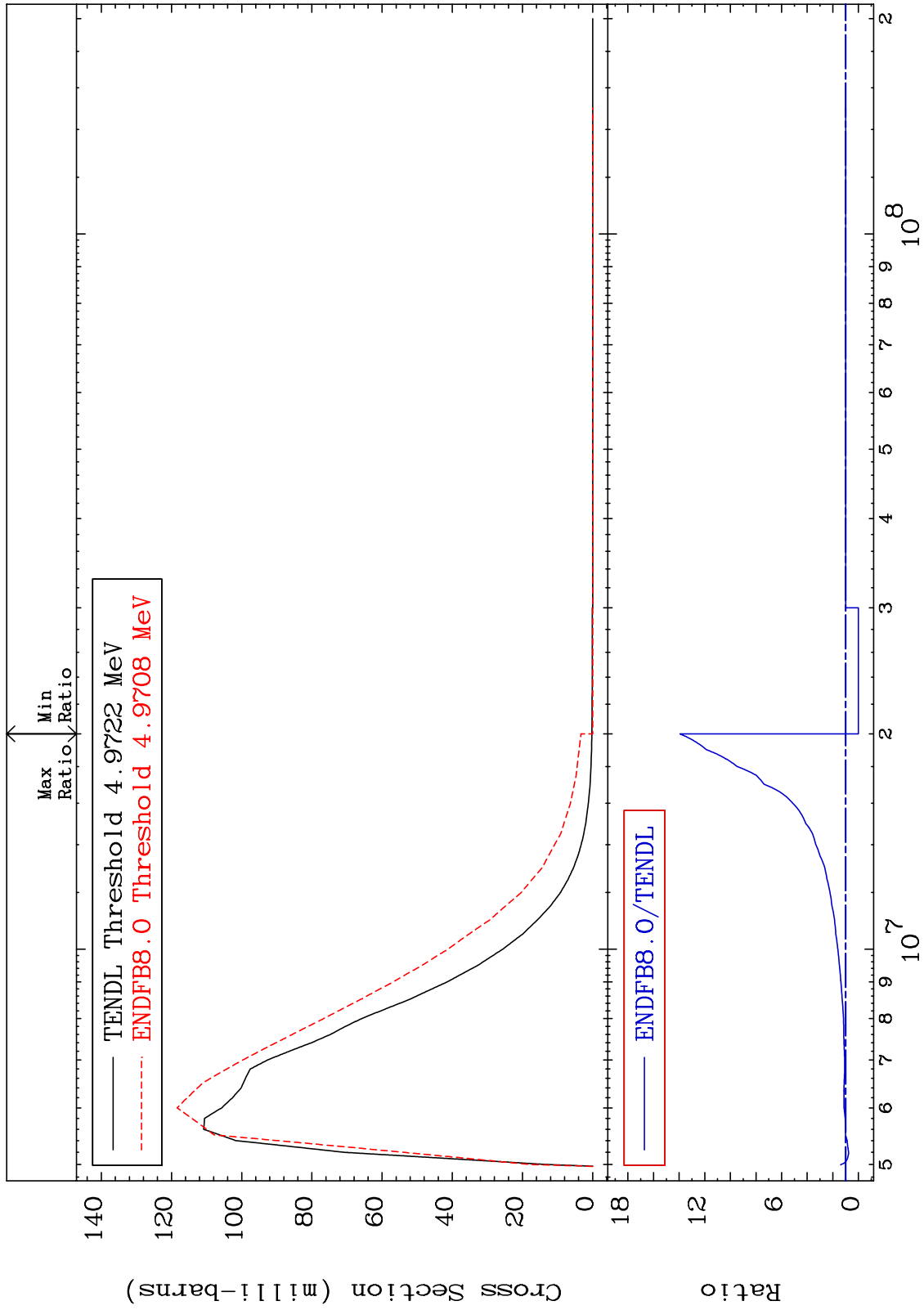






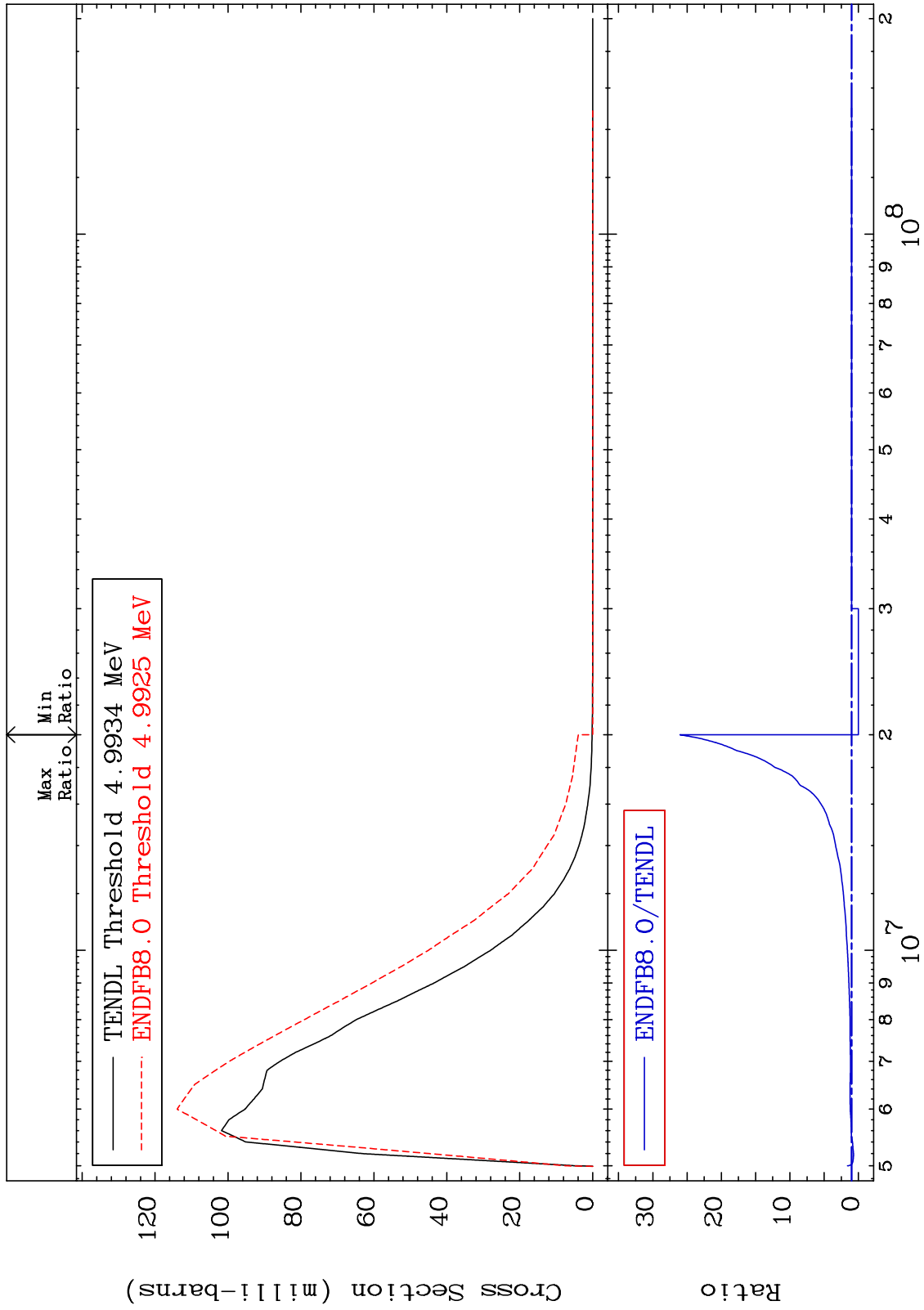


MAT 1431      MT= 55 (n,n') Level      14-Si-30  
 Cross Section      -100.0 To 1293. %



12      Incident Energy (eV)      14-Si-30

MAT 1431 MT= 56 (n,n') Level Cross Section 14-Si-30  
 -100.0 To 2503. %

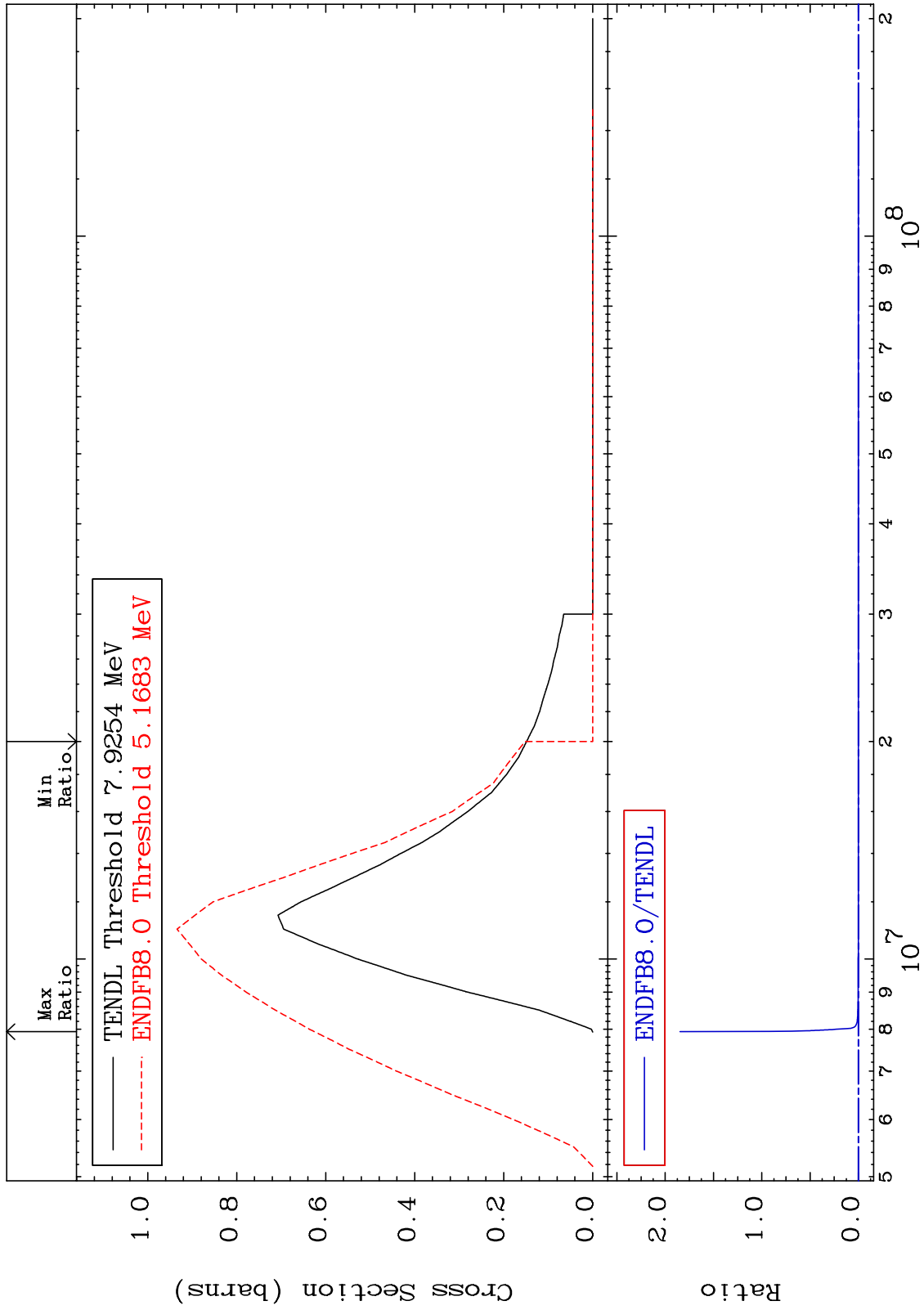


13 Incident Energy (eV) 14-Si-30

MAT 1431

(n,n') Continuum  
Cross Section

14-Si-30  
-100.0 To 9999. %



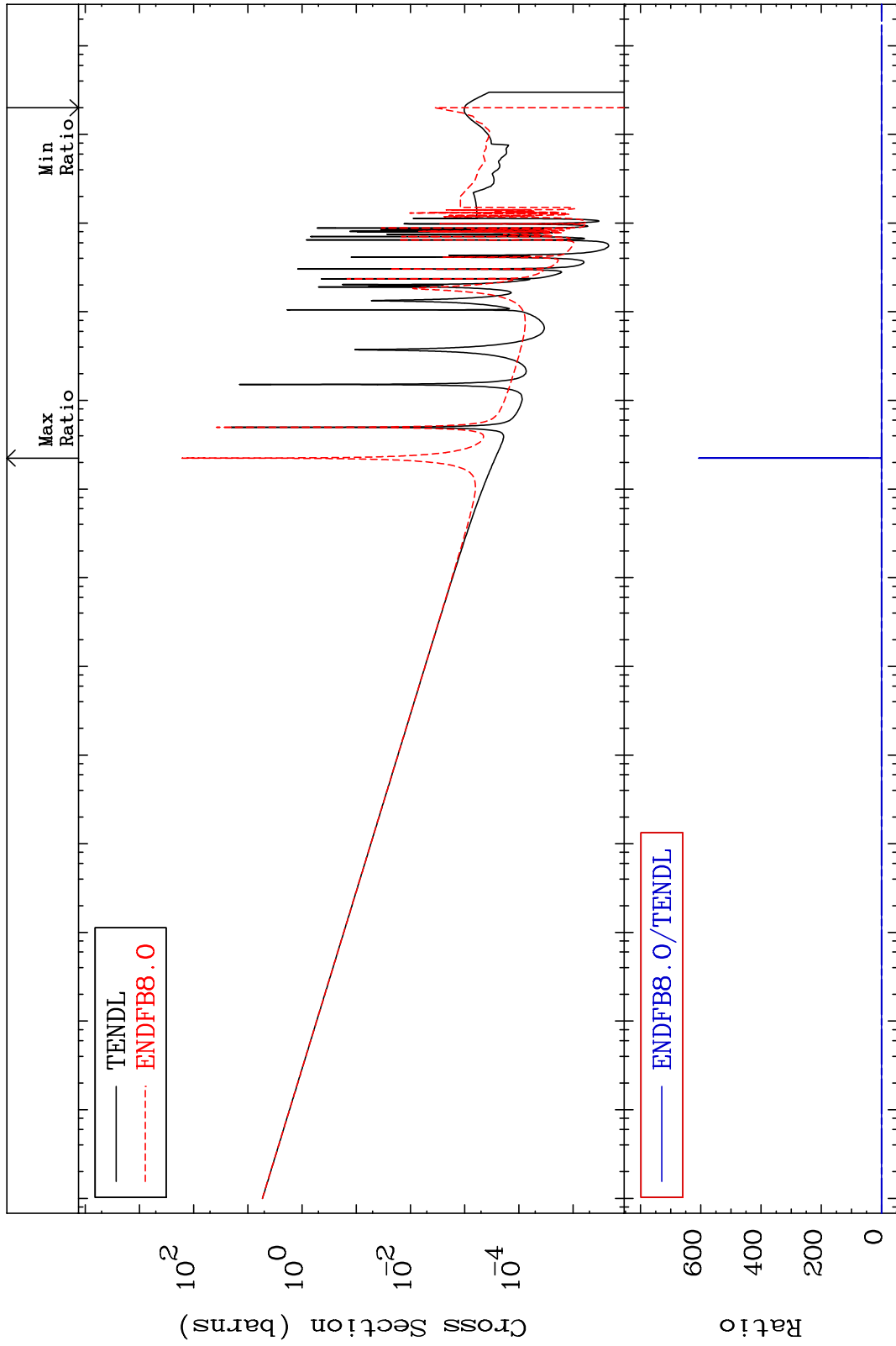
MAT 1431

(n,  $\gamma$ )

14-Si-30

Cross Section

-100.0 To 9999. %



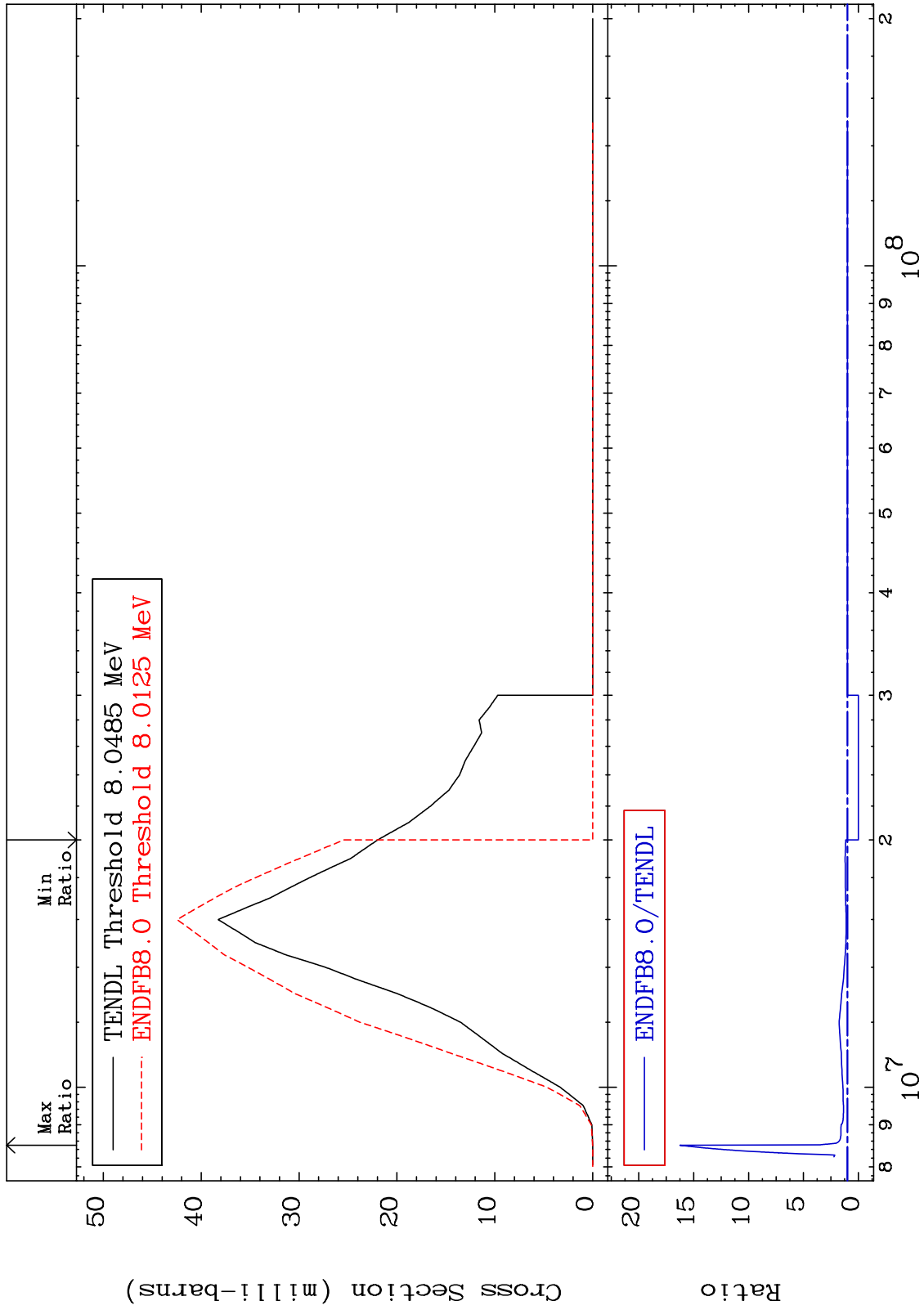
15

Incident Energy (eV)

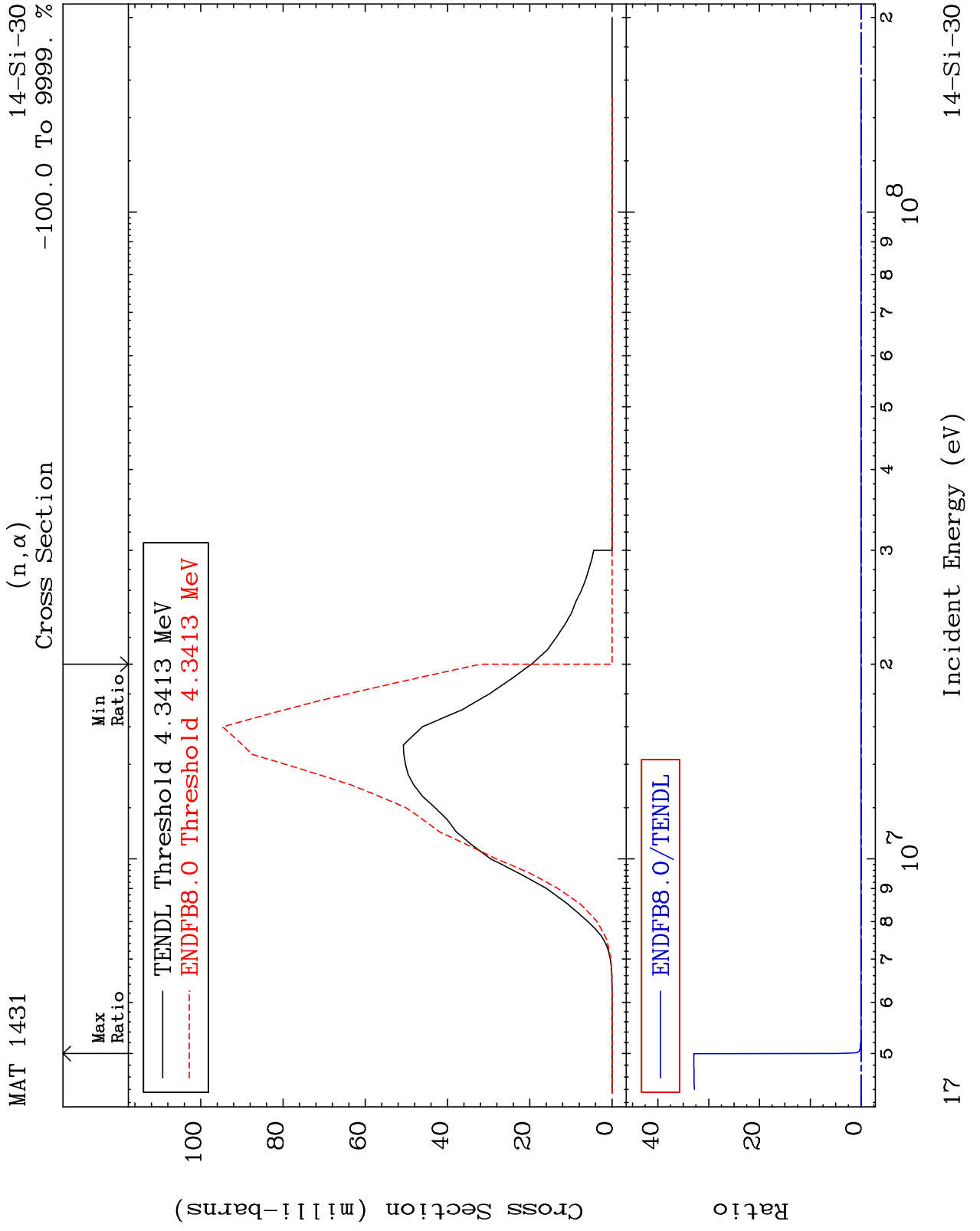
14-Si-30



MAT 1431 (n,p) Cross Section 14-Si-30 -100.0 To 1524. %



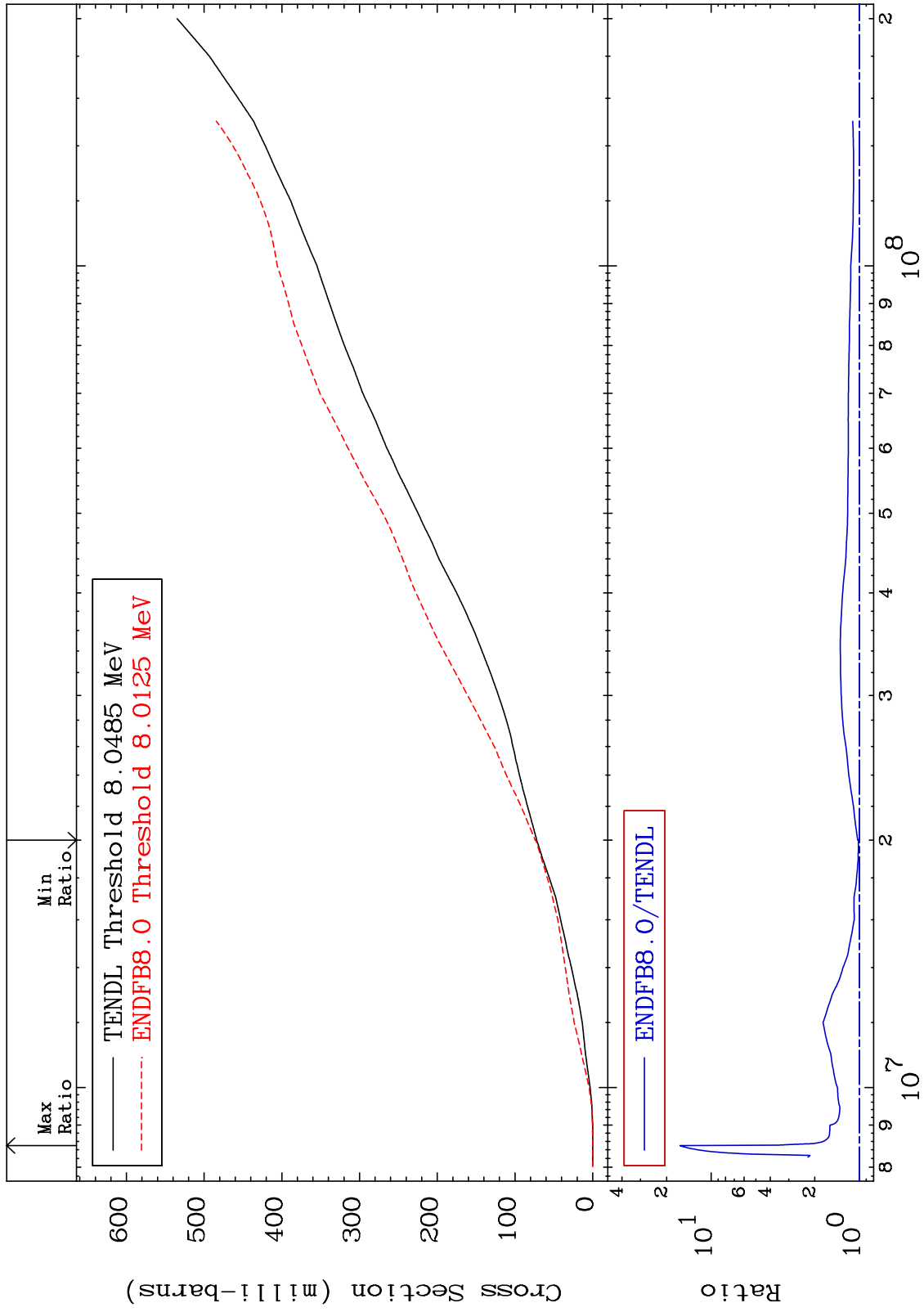
16



MAT 1431

Hydrogen Production  
Cross Section

14-Si-30  
1.629 To 1524. %



18

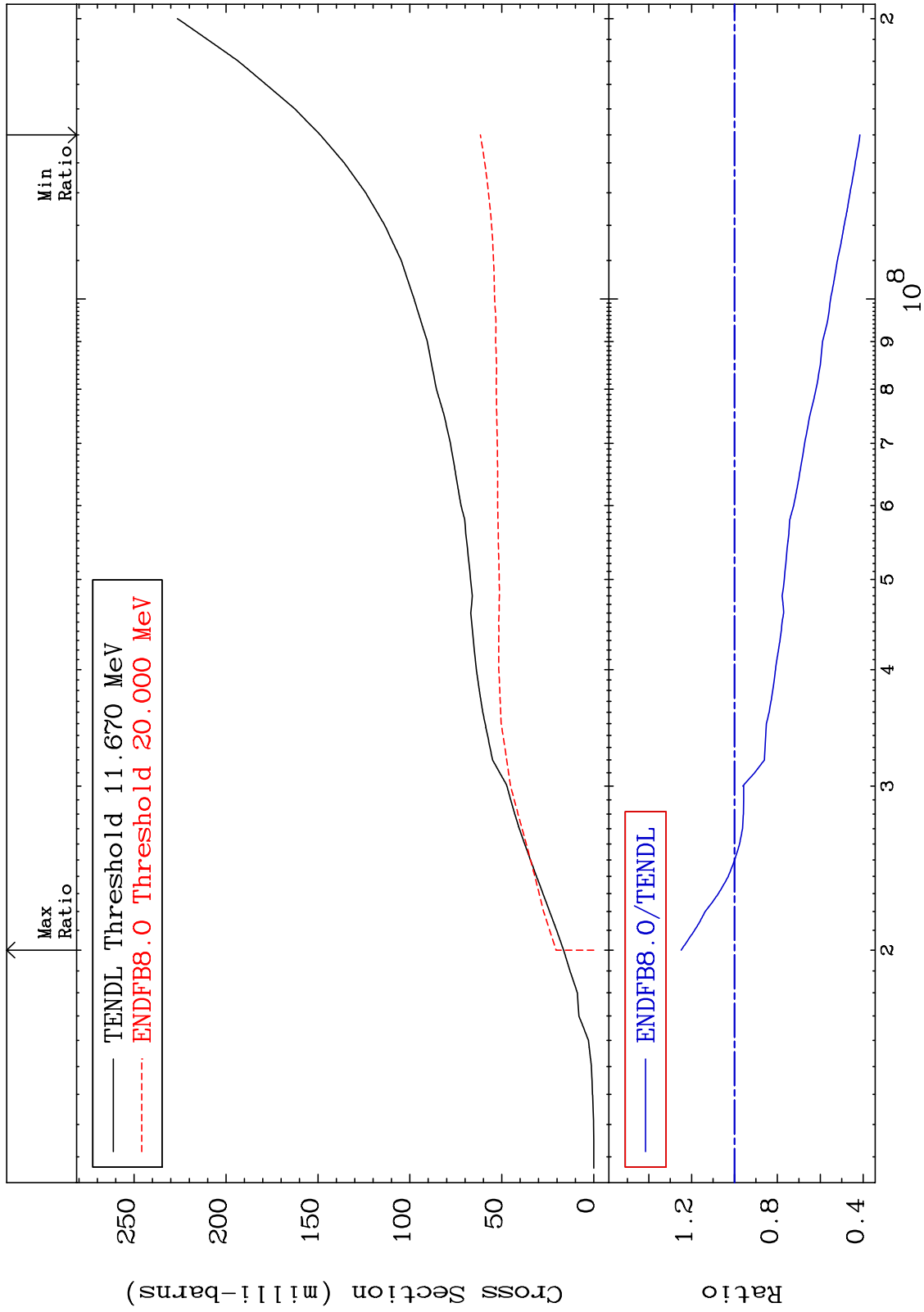
Incident Energy (eV)

14-Si-30

MAT 1431

Deuterium Production  
Cross Section

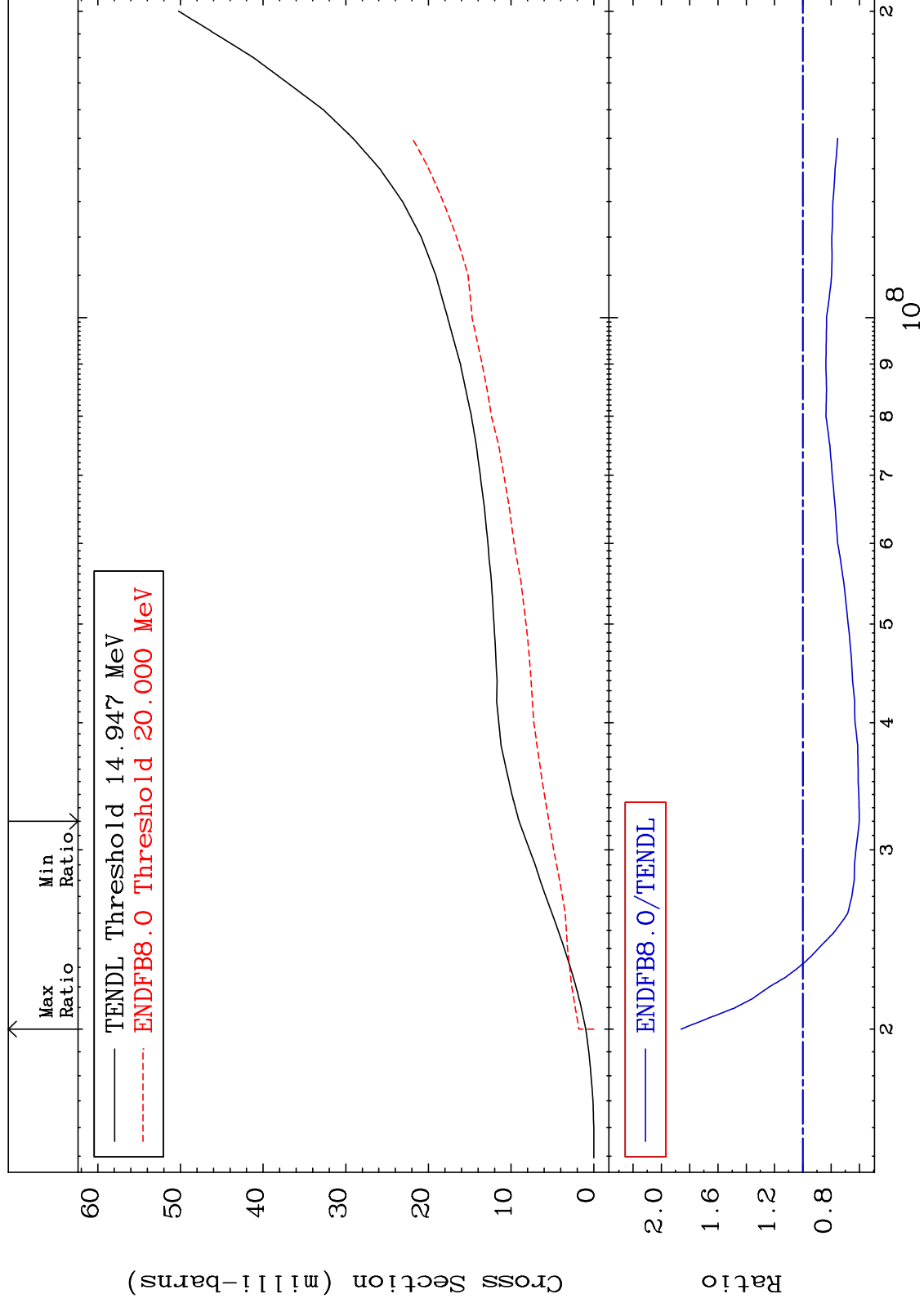
14-Si-30  
-58.52 To 24.88 %



MAT 1431

Tritium Production  
Cross Section

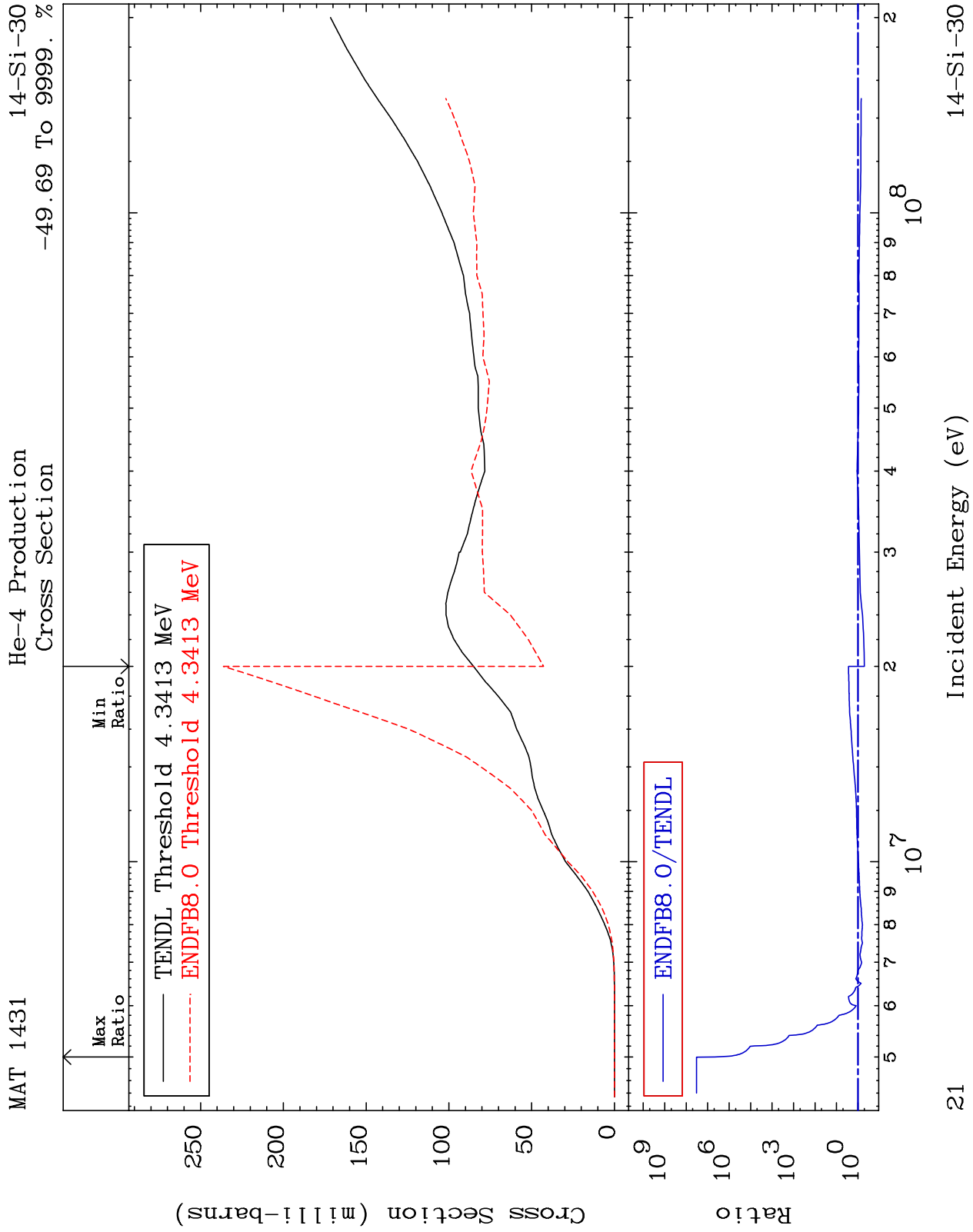
14-Si-30  
-39.93 To 86.10 %



20

Incident Energy (eV)

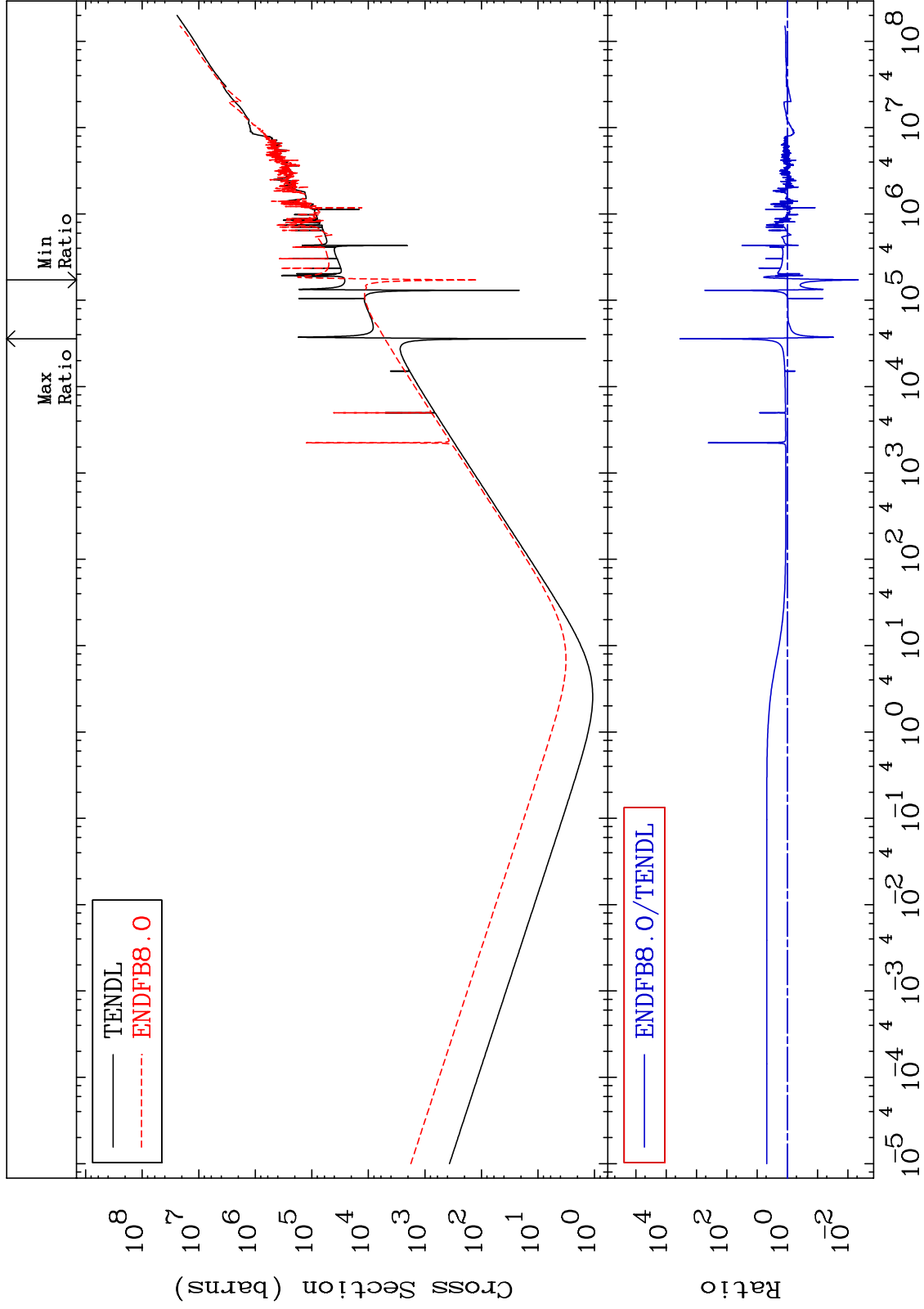
14-Si-30



MAT 1431

Kerma total (eV-barns)  
Cross Section

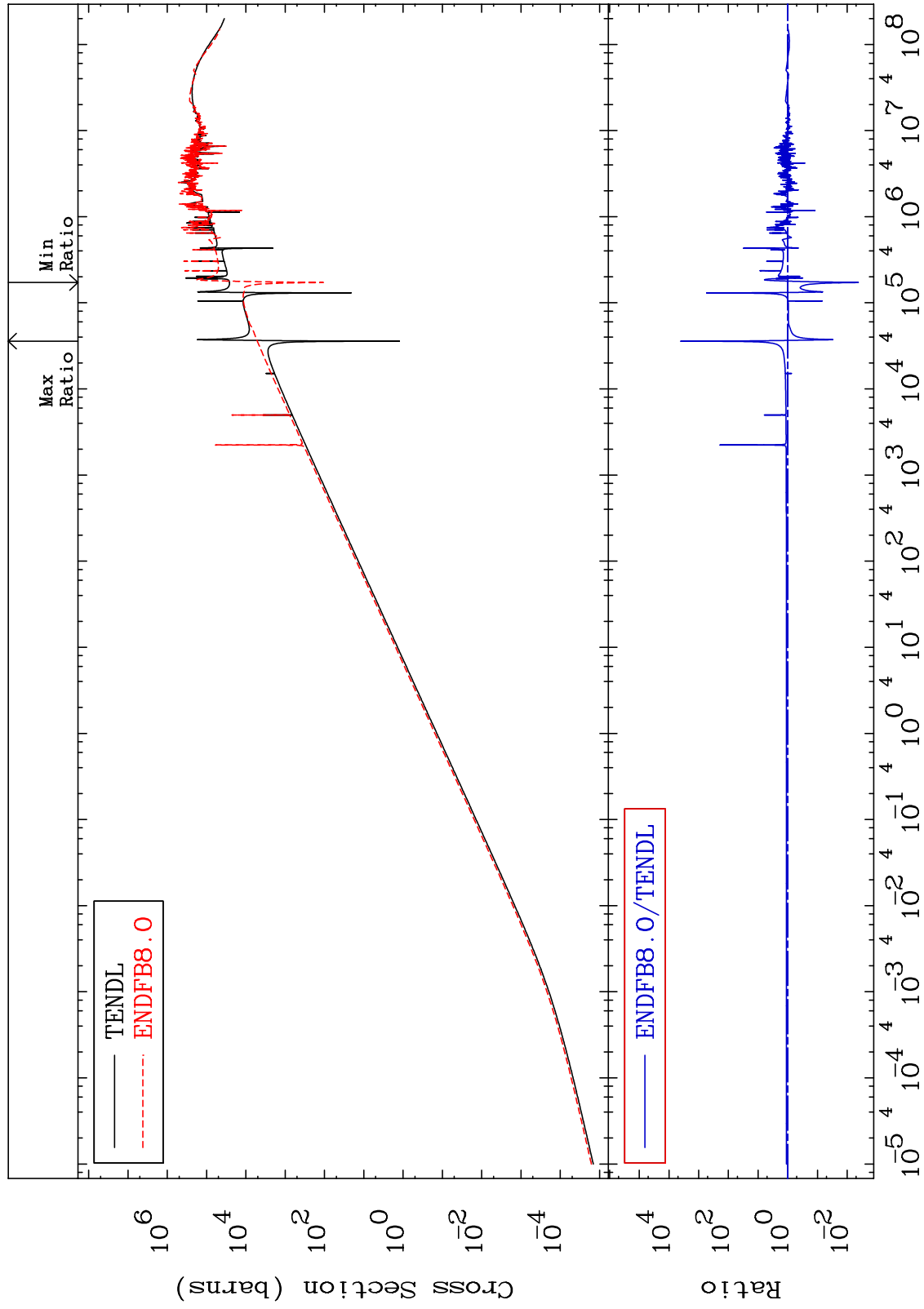
14-Si-30  
-99.55 To 9999. %



MAT 1431

Kerma elastic  
Cross Section

14-Si-30  
-99.58 To 9999. %

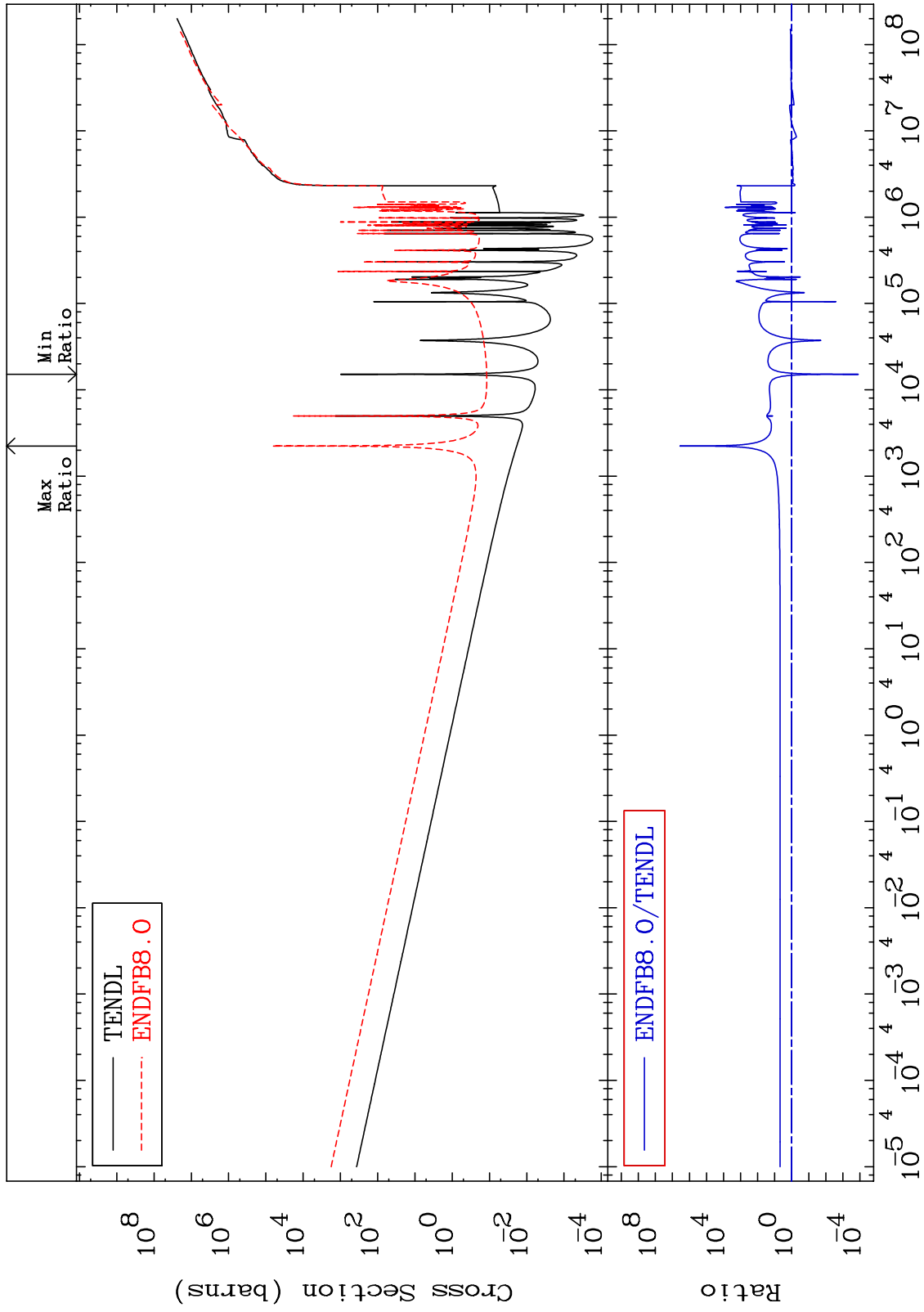




MAT 1431

Kerma non-elastic (all but mt2)  
Cross Section

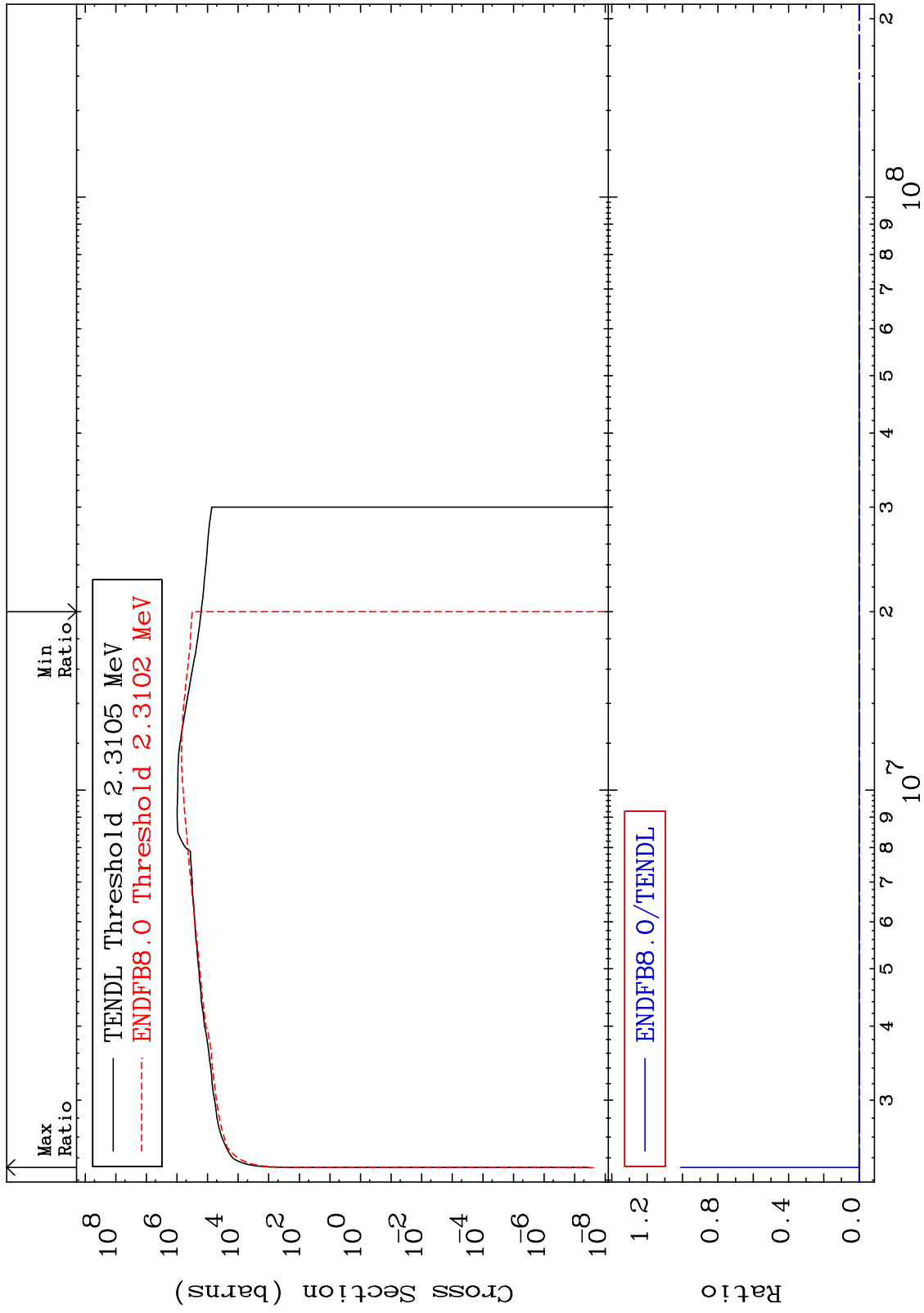
14-Si-30  
-99.99 To 9999. %



MAT 1431

Kerma inelastic (mt51-91)  
Cross Section

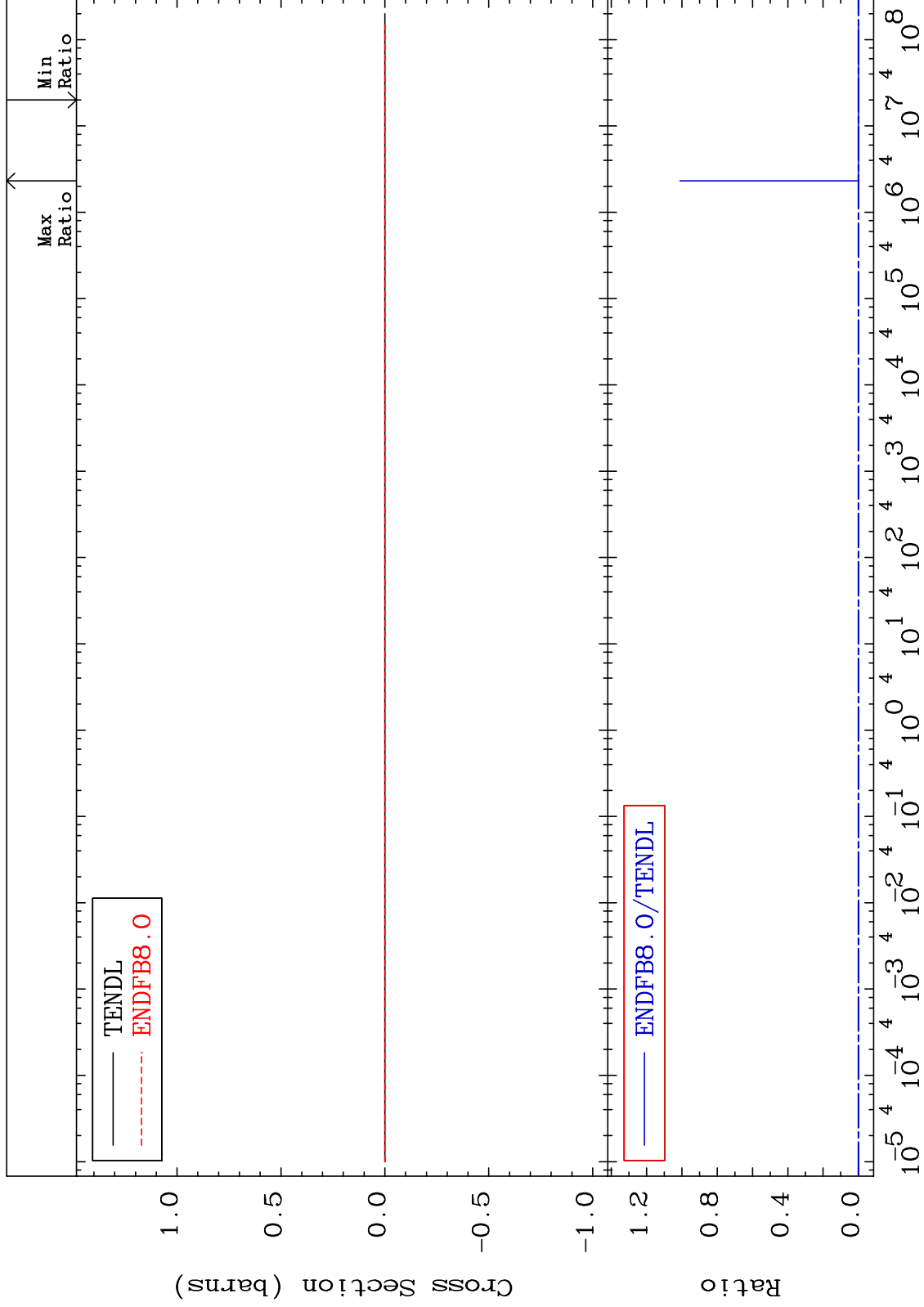
14-Si-30  
-100.0 To 9999. %



MAT 1431

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

14-Si-30  
-100.0 To 9999. %



26

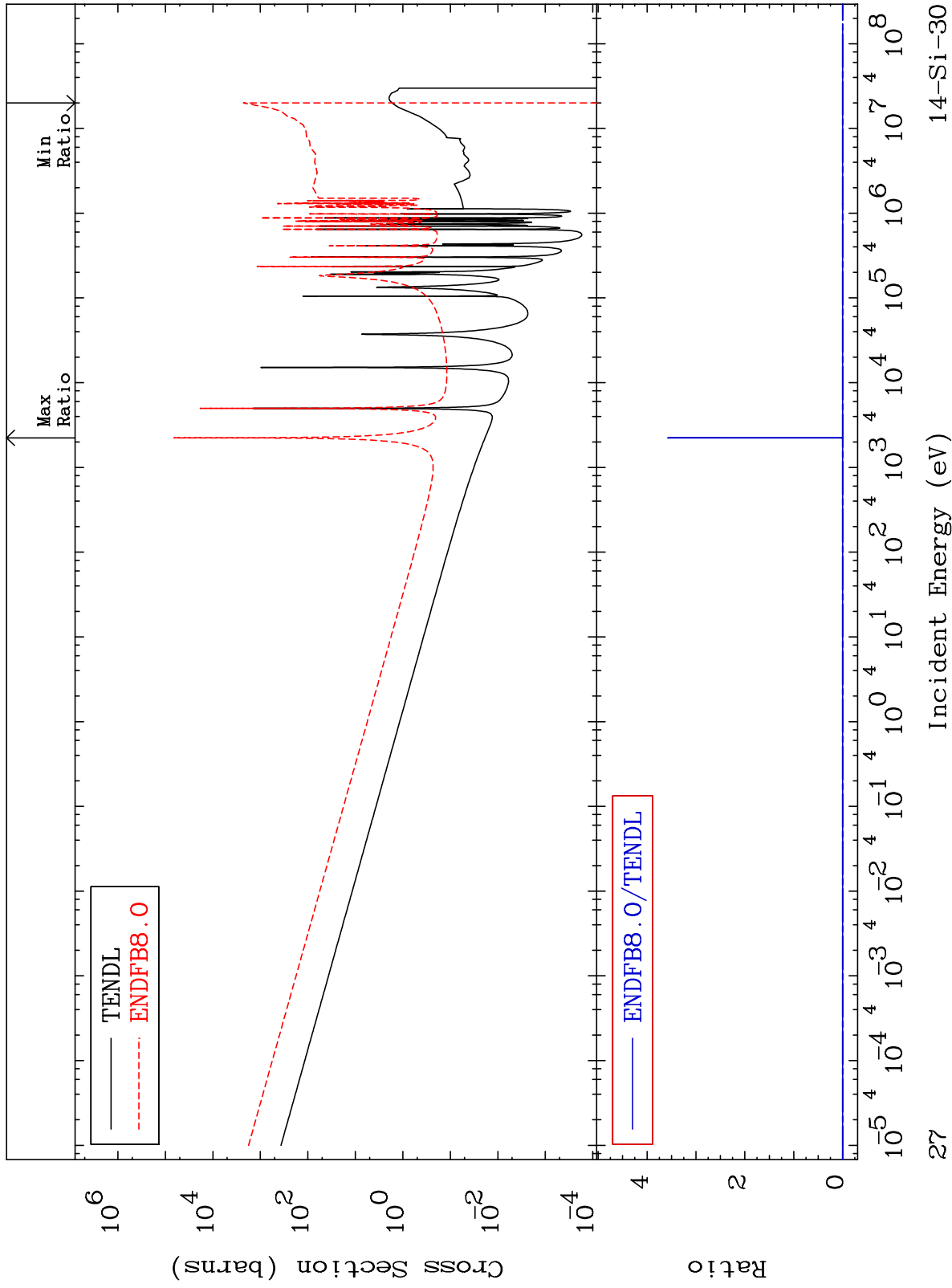
Incident Energy (eV)

14-Si-30

MAT 1431

Kerma capture (mt102)  
Cross Section

14-Si-30  
-100.0 To 9999. %



27

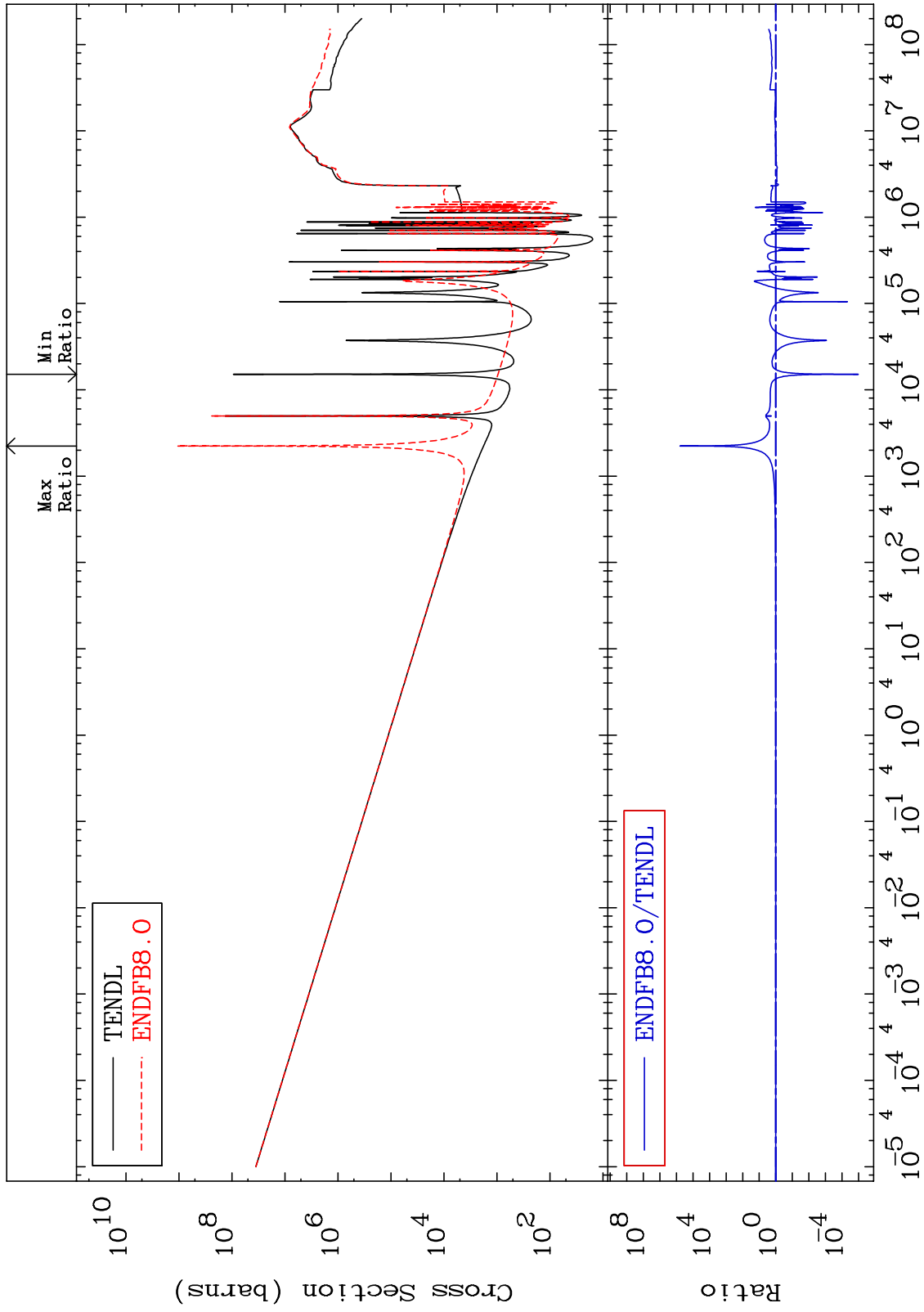
Incident Energy (eV)

14-Si-30

MAT 1431

Total photon (eV-barns)  
Cross Section

14-Si-30  
-100.0 To 9999. %



28

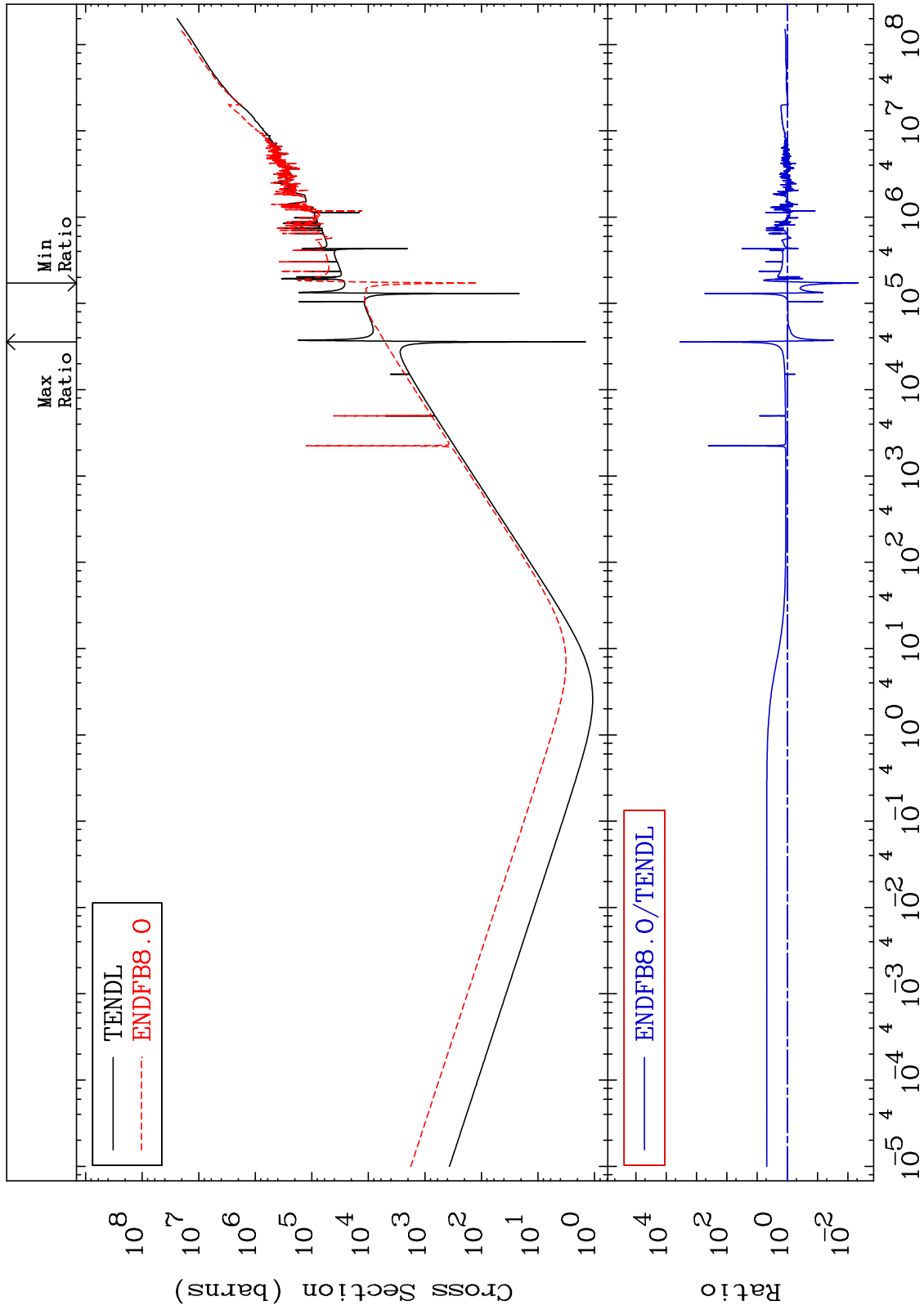
Incident Energy (eV)

14-Si-30

MAT 1431

Total kinematic kerma (high limit)  
Cross Section

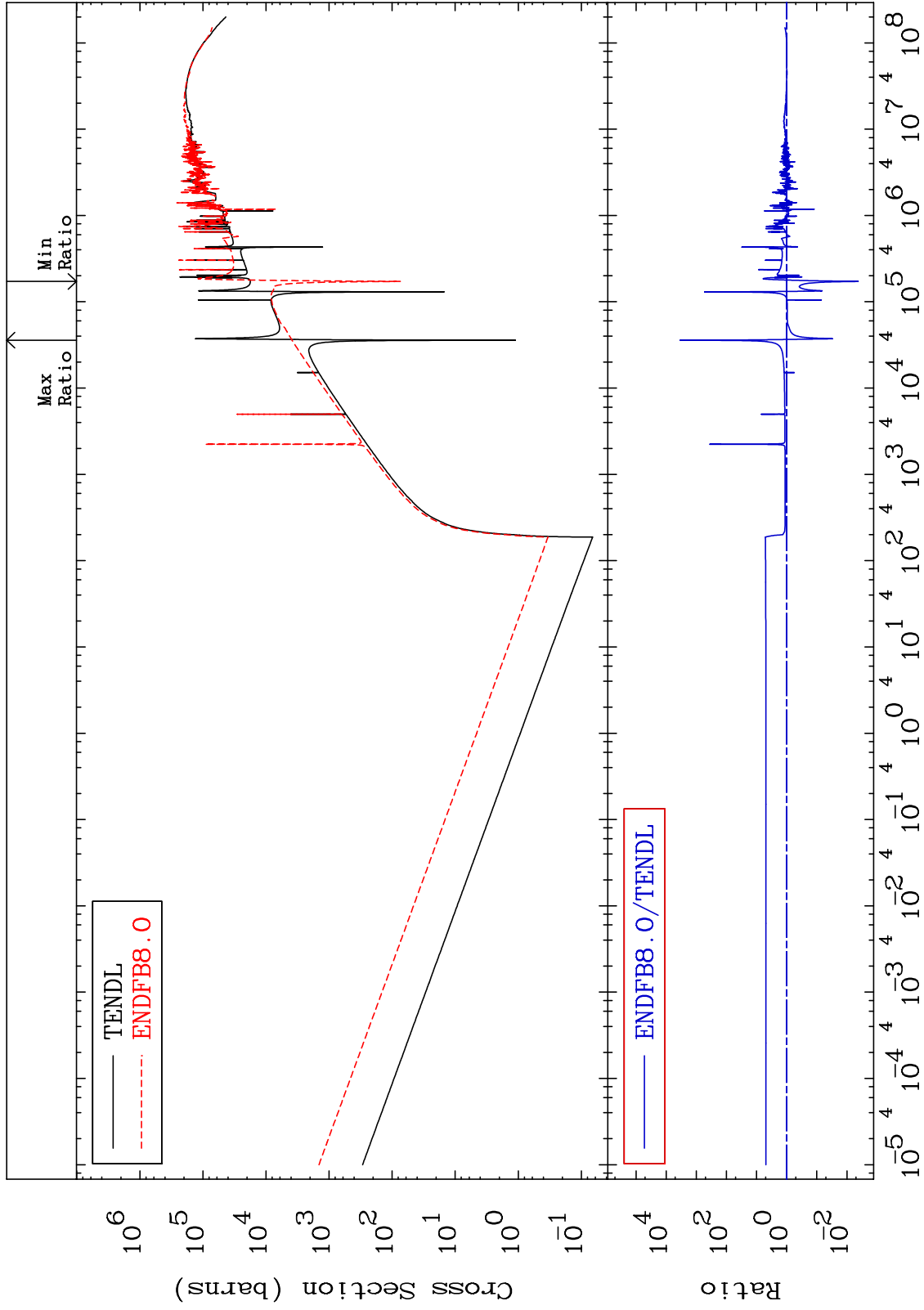
14-Si-30  
-99.55 To 9999. %



MAT 1431

Dpa total (eV-barns)  
Cross Section

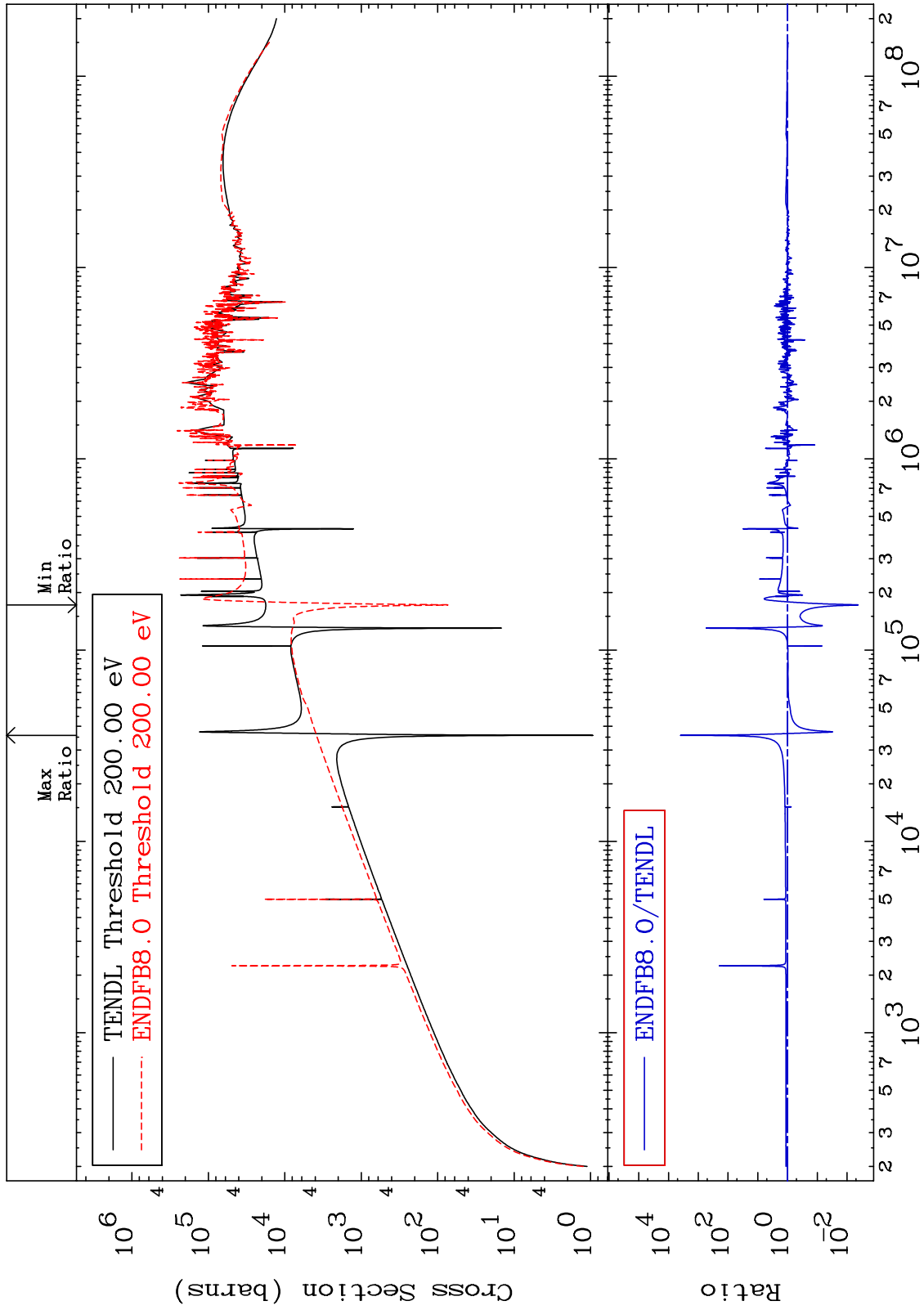
14-Si-30  
-99.58 To 9999. %



MAT 1431

Dpa elastic (mt2)  
Cross Section

14-Si-30  
-99.59 To 9999. %

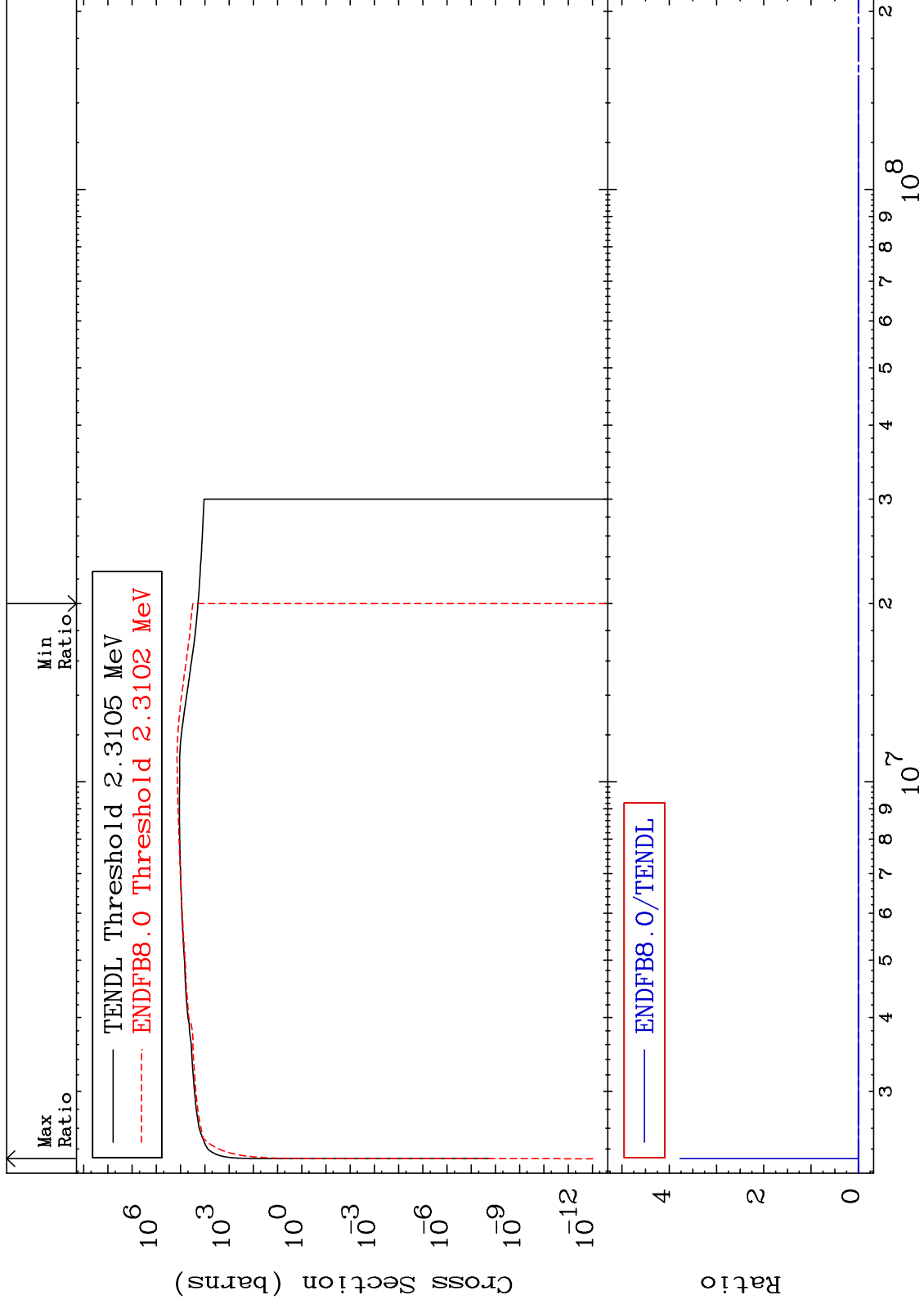




MAT 1431

Dpa inelastic (mt51-91)  
Cross Section

14-Si-30  
-100.0 To 9999. %



MAT 1431

Dpa disappearance (mt102 -120)  
Cross Section

14-Si-30  
-100.0 To 9999. %

