

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

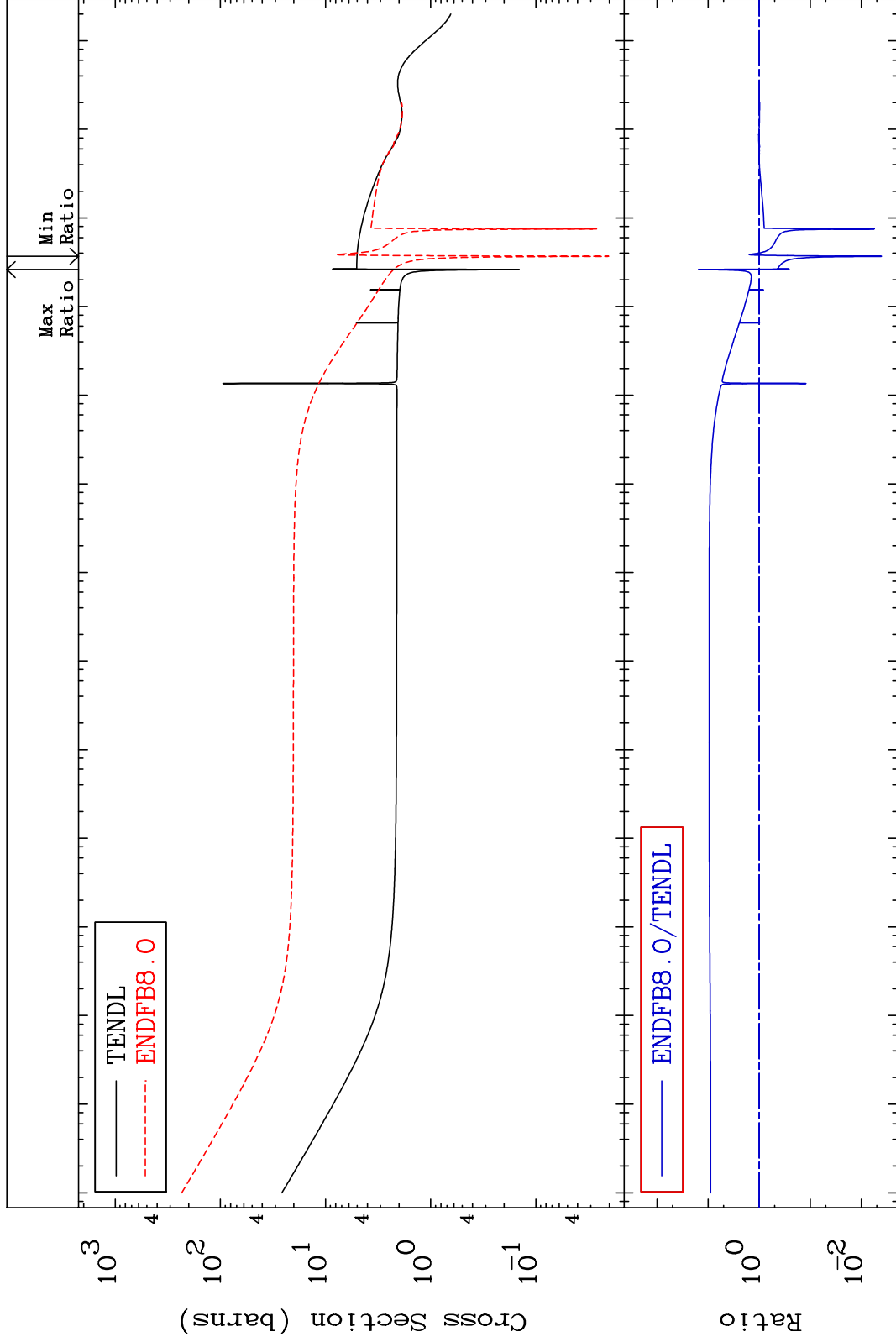
MAT 1437

Total

Cross Section

14-Si-32

-99.60 To 1459. %



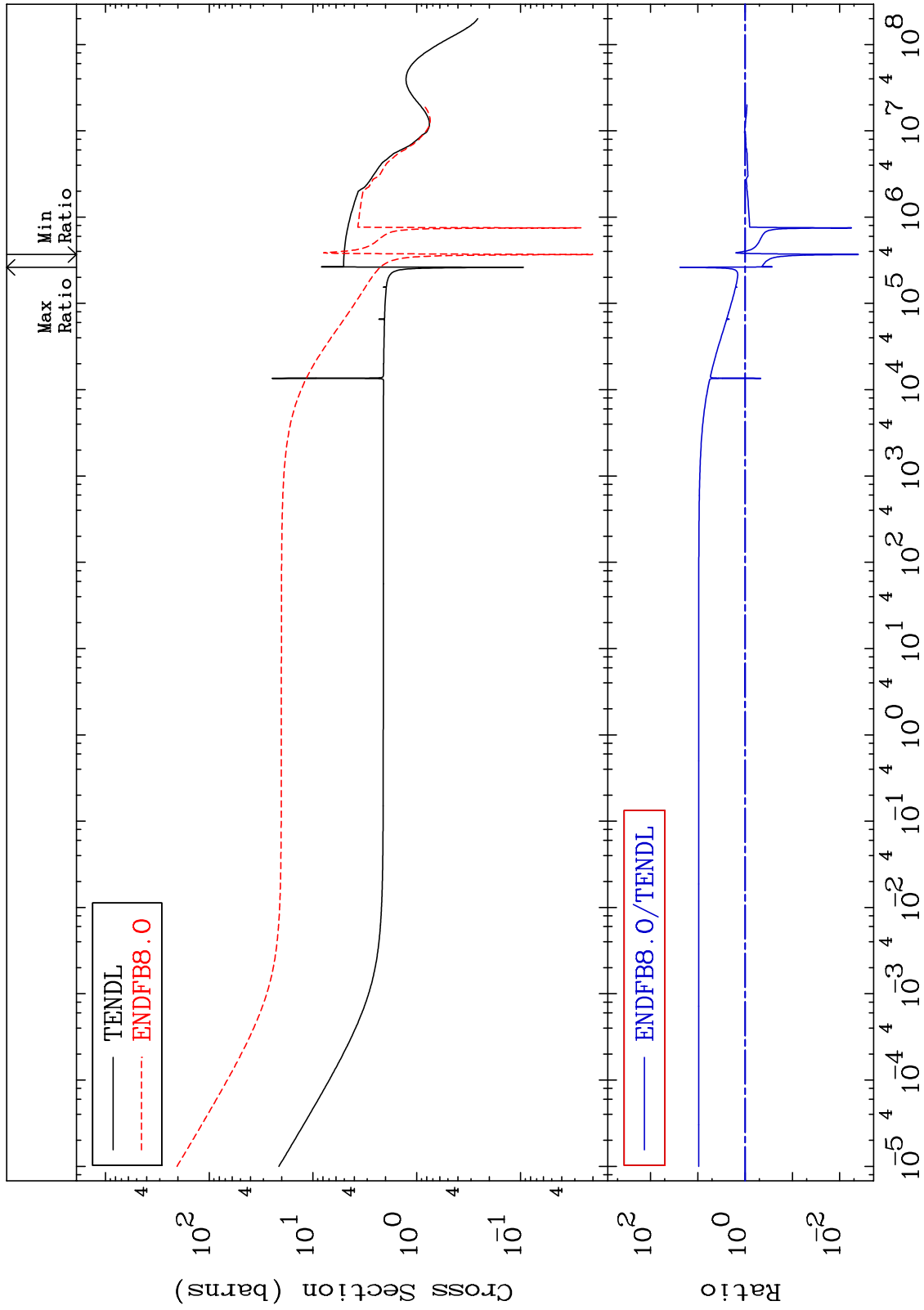
Incident Energy (eV)

14-Si-32

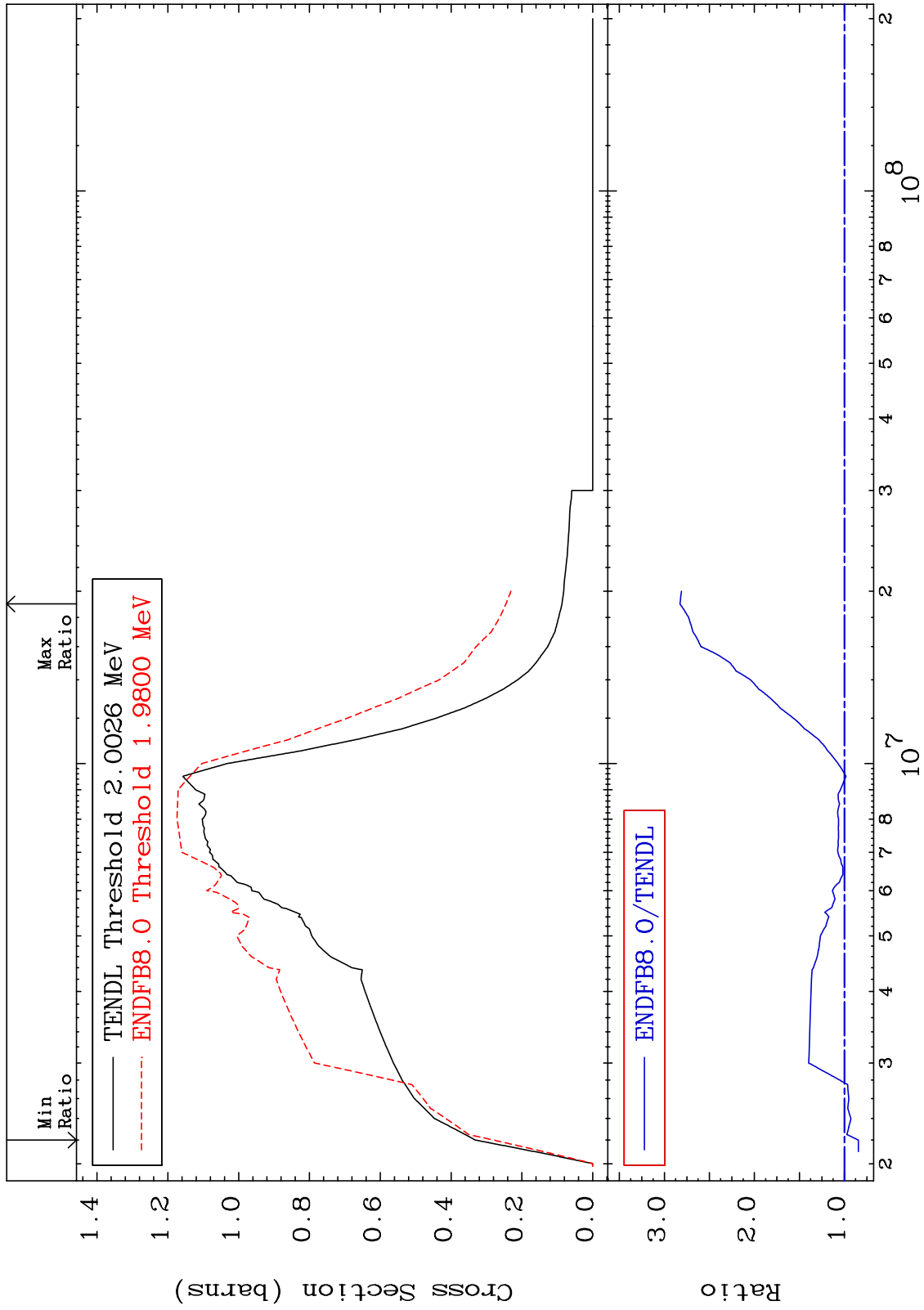
MAT 1437

Elastic  
Cross Section

14-Si-32  
-99.60 To 2280. %



MAT 1437 Inelastic Cross Section 14-Si-32 -15.59 To 182.6 %



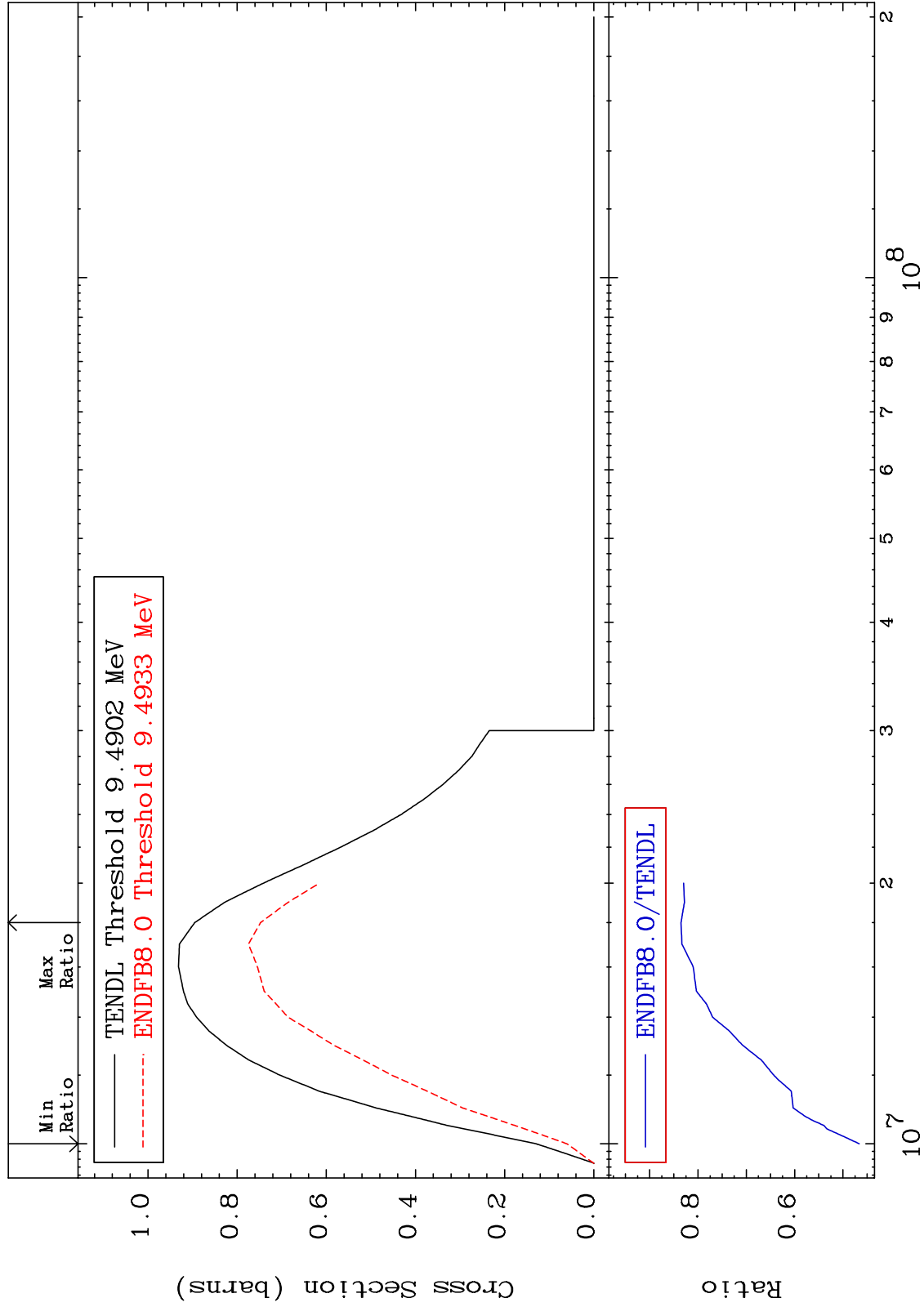
MAT 1437

(n,2n)

14-Si-32

Cross Section

-53.38 To -16.49%



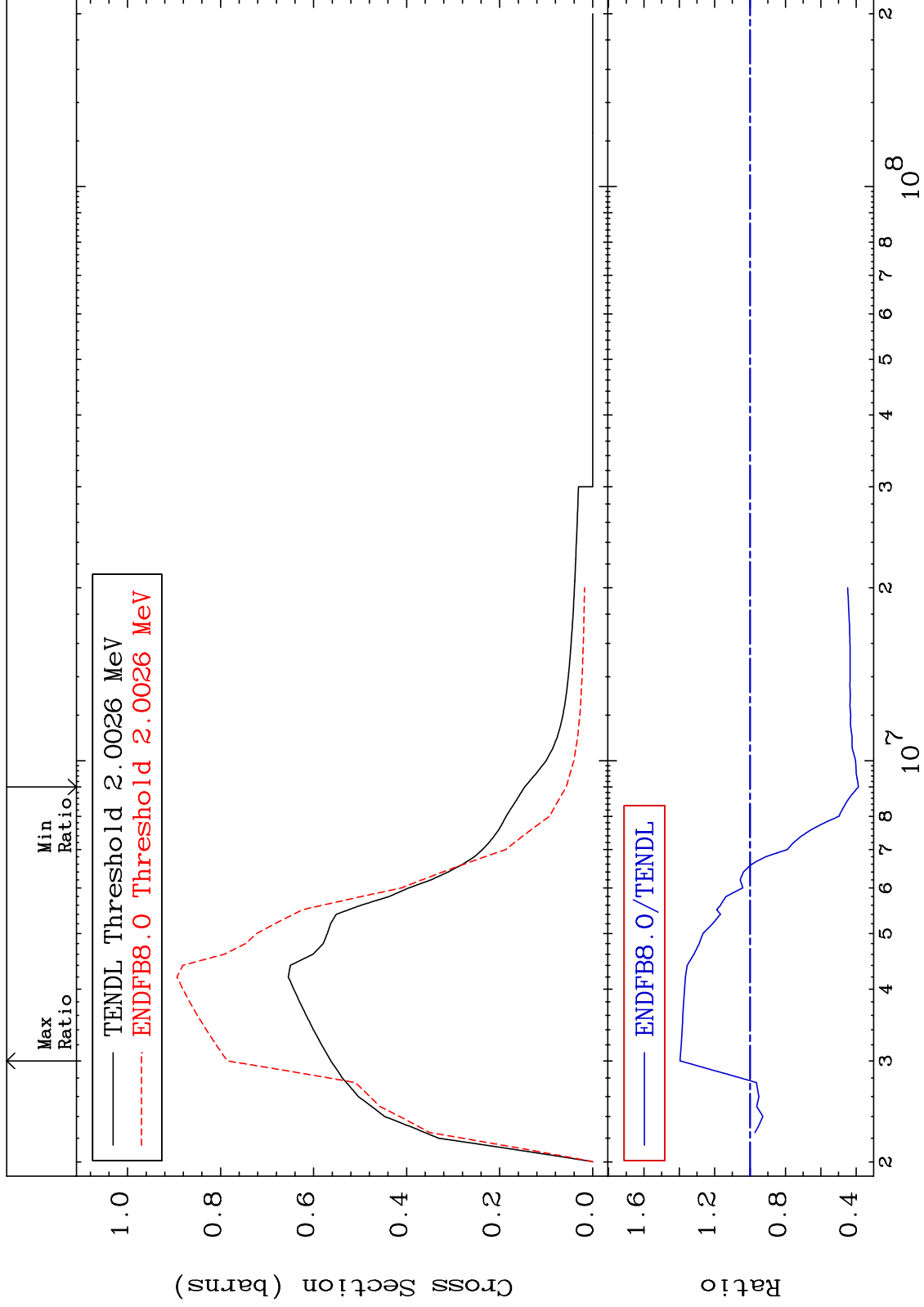
14-Si-32

14-Si-32

MAT 1437

MT= 51 (n,n') Level  
Cross Section

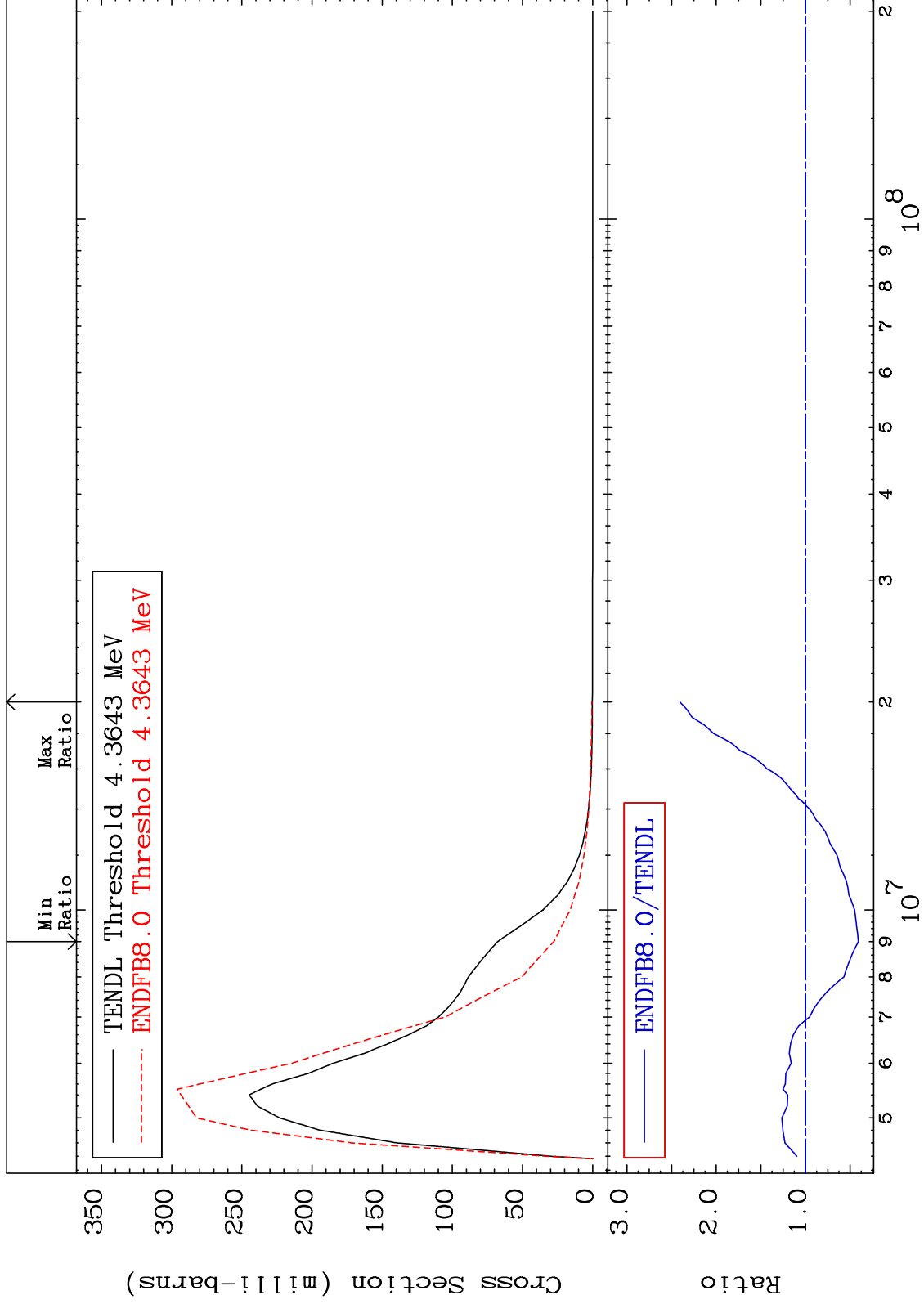
14-Si-32  
-61.21 To 39.59 %



MAT 1437

MT= 52 (n,n') Level  
Cross Section

14-Si-32  
-59.30 To 140.5 %



6

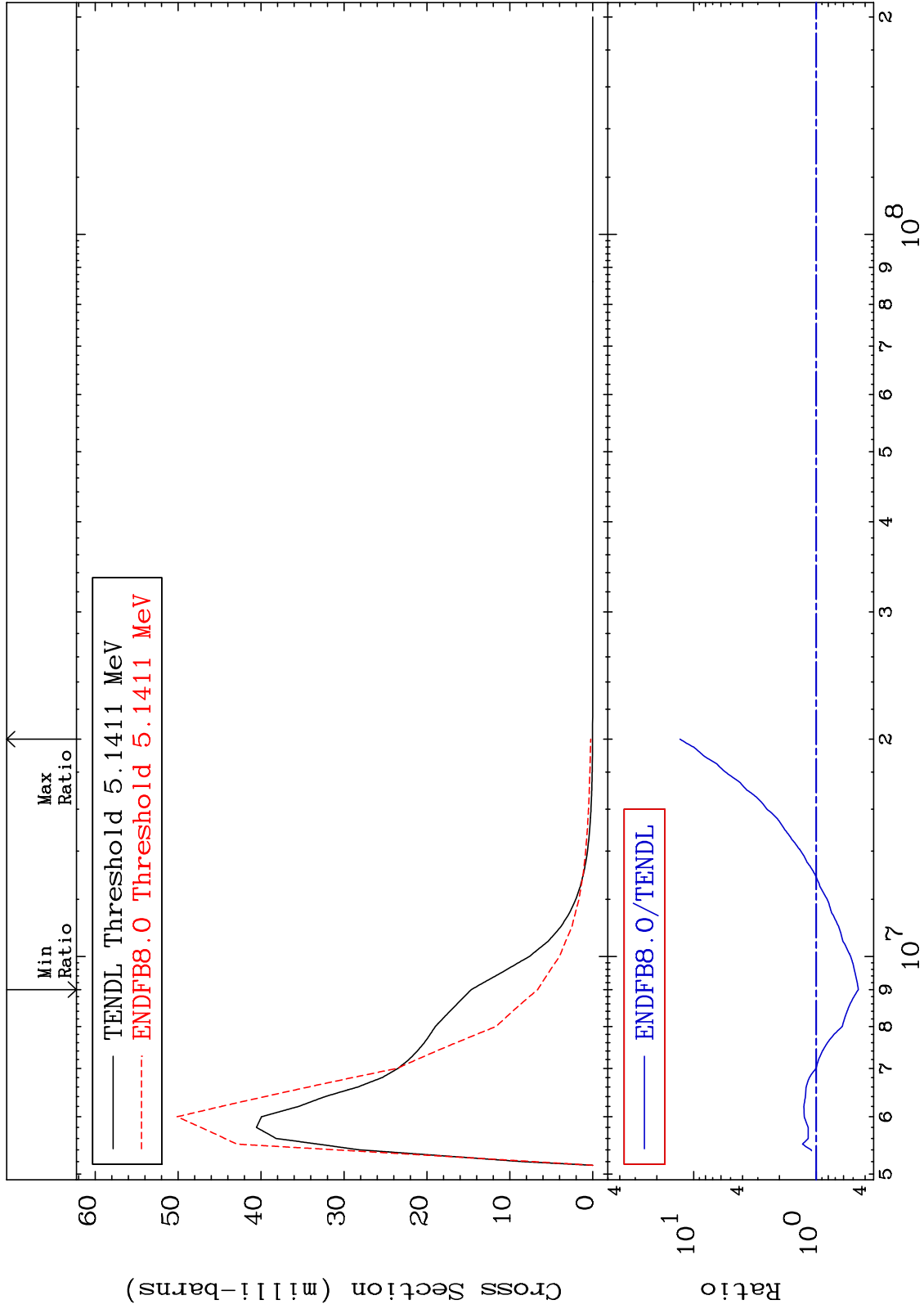
Incident Energy (eV)

14-Si-32

MAT 1437

MT= 53 (n,n') Level  
Cross Section

14-Si-32  
-54.67 To 1192. %



7

Incident Energy (eV)

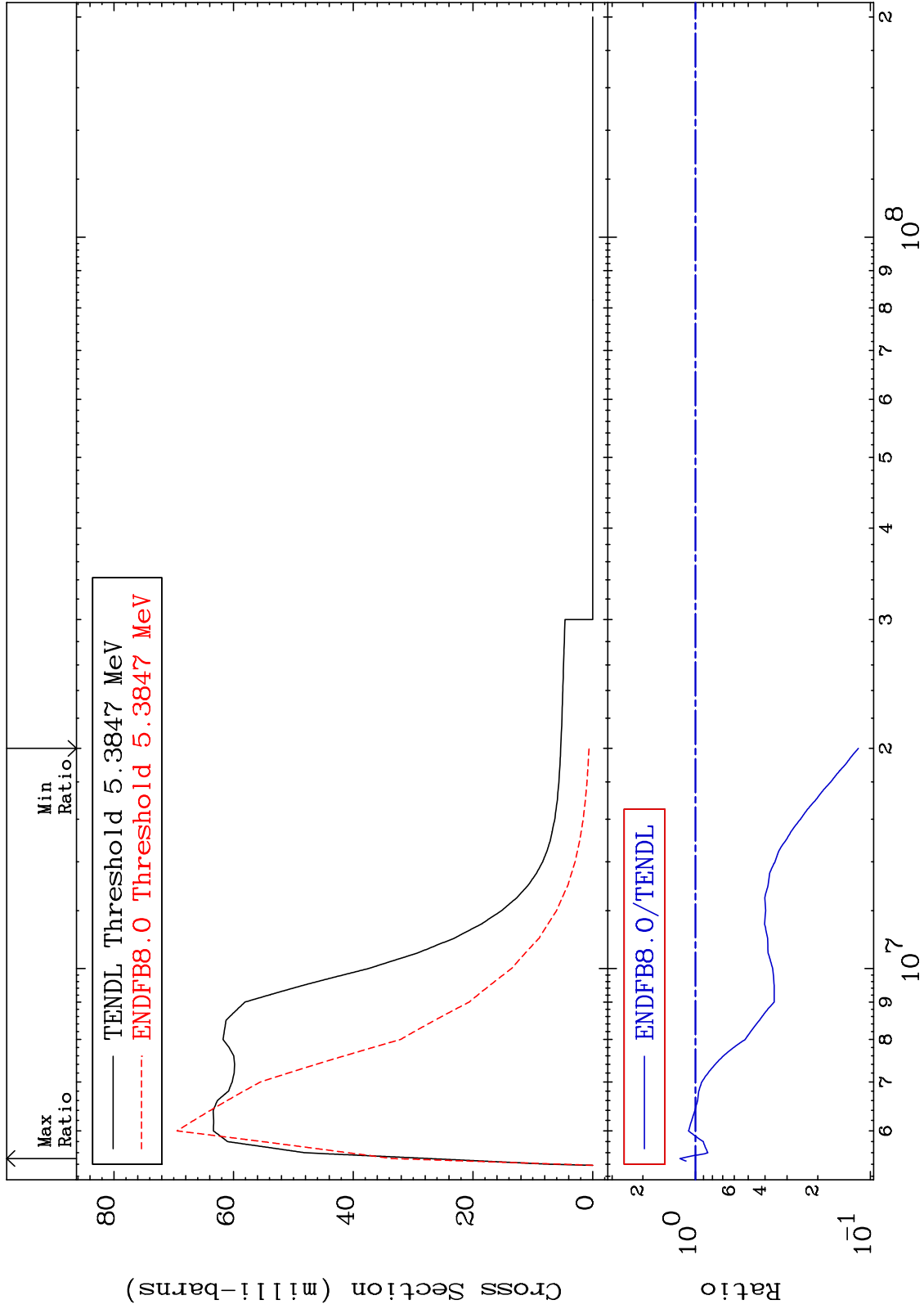
14-Si-32



MAT 1437

MT= 54 (n,n') Level  
Cross Section

14-Si-32  
-88.29 To 22.64 %



8

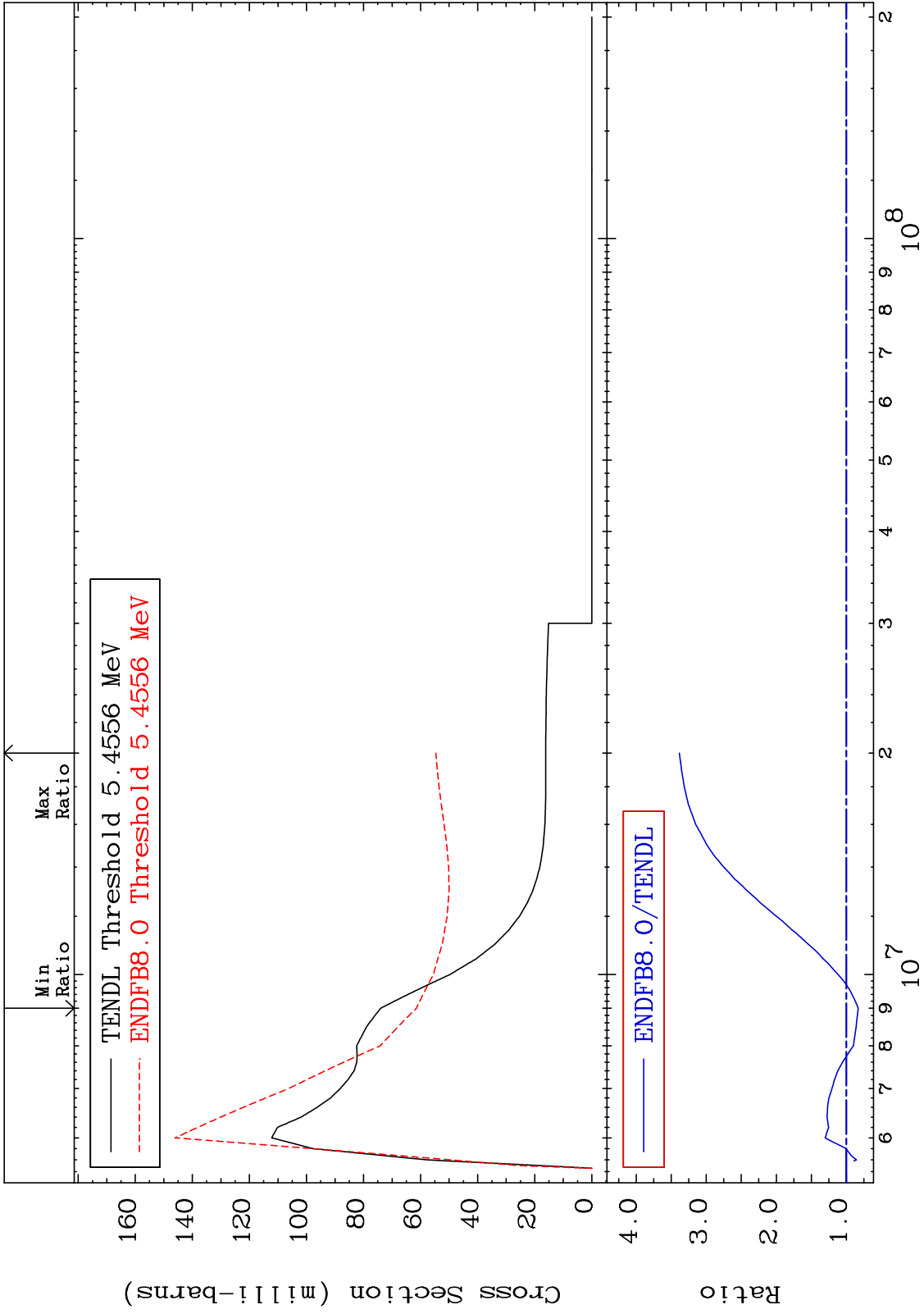
Incident Energy (eV)

14-Si-32

MAT 1437

MT= 55 (n,n') Level  
Cross Section

14-Si-32  
-16.92 To 238.3 %



9

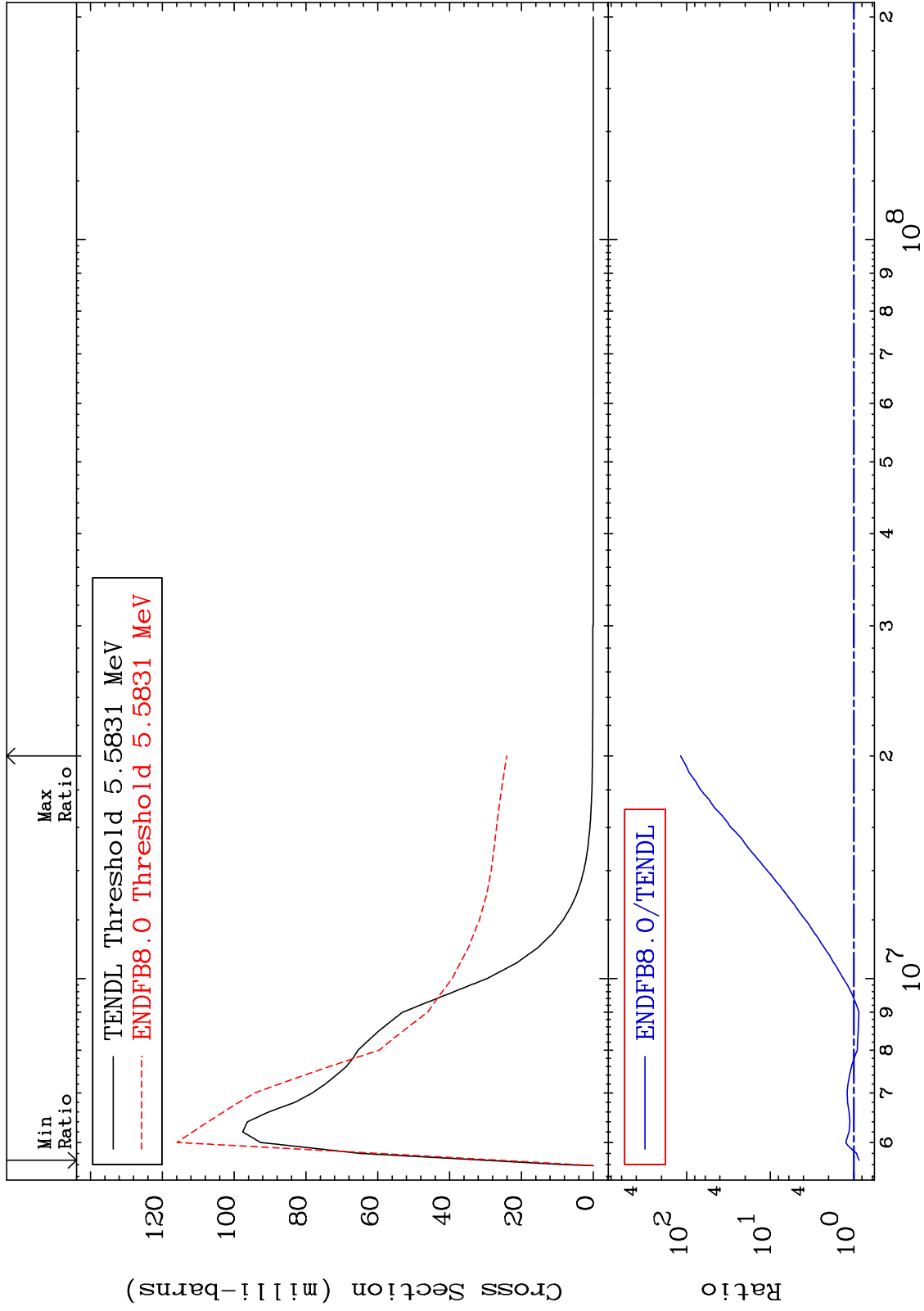
Incident Energy (eV)

14-Si-32

MAT 1437

MT= 56 (n,n') Level  
Cross Section

14-Si-32  
-13.69 To 9999. %



10

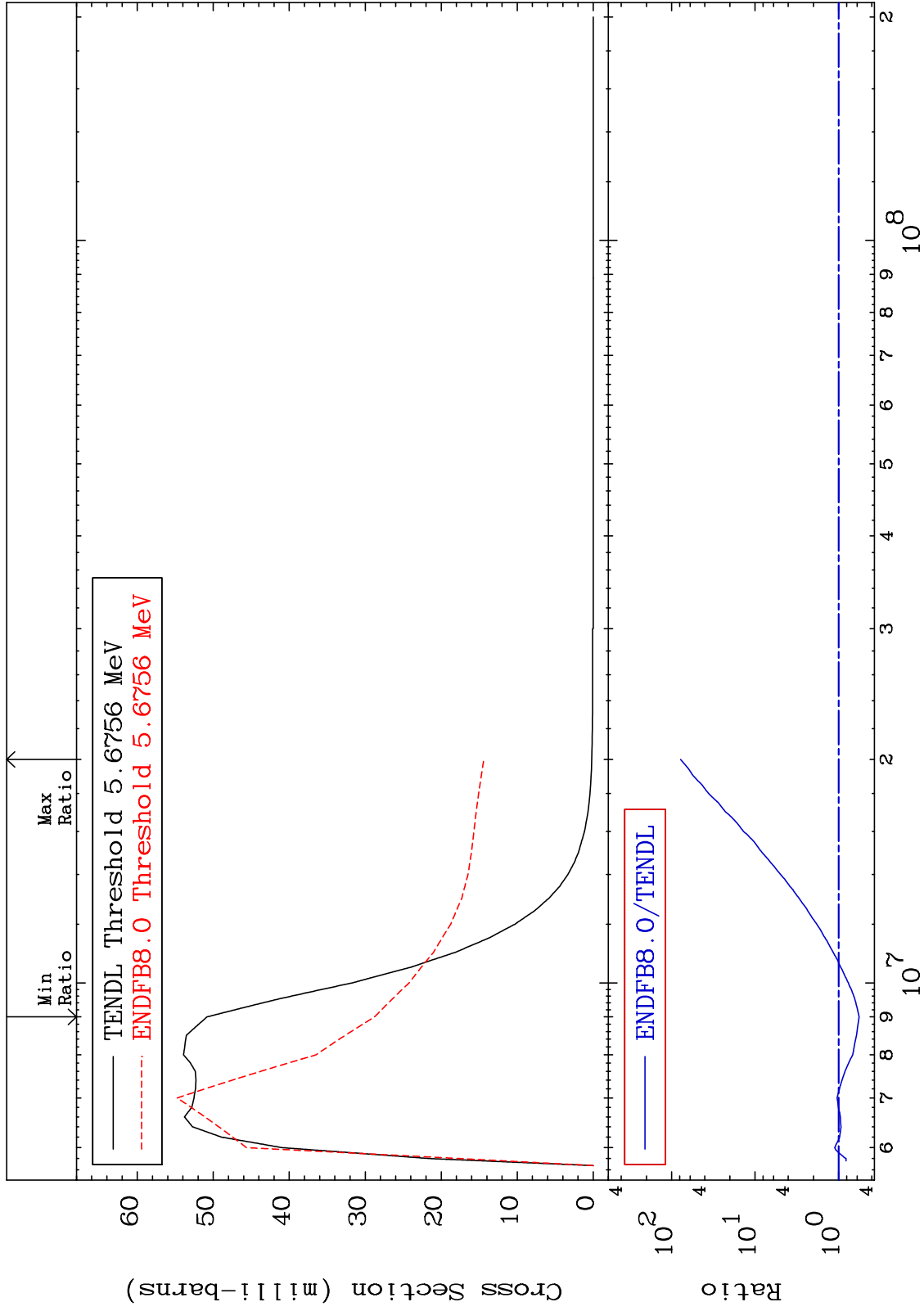
Incident Energy (eV)

14-Si-32

MAT 1437

MT= 57 (n,n') Level  
Cross Section

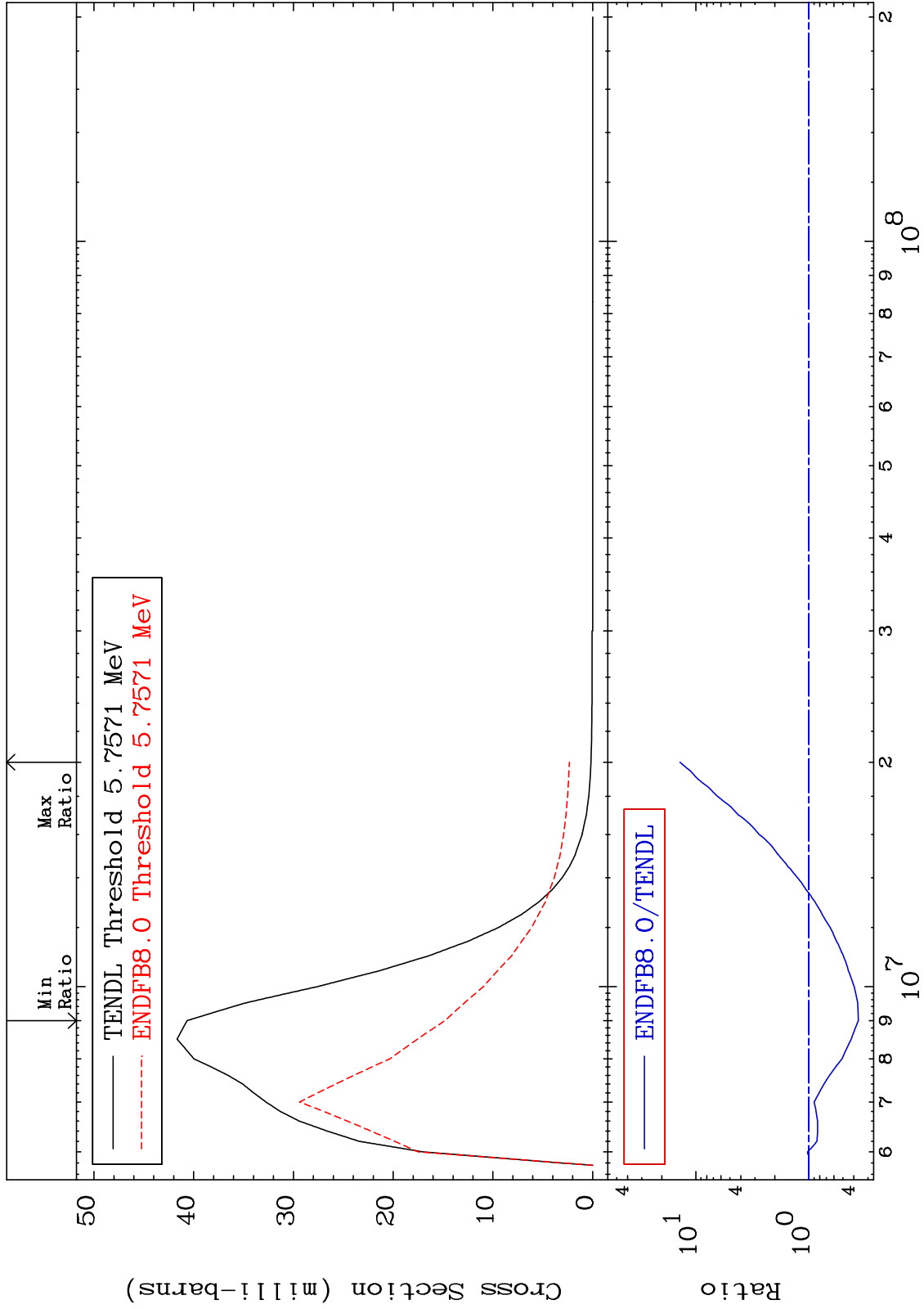
14-Si-32  
-43.39 To 7684. %



MAT 1437

MT= 58 (n,n') Level  
Cross Section

14-Si-32  
-63.58 To 1278. %



12

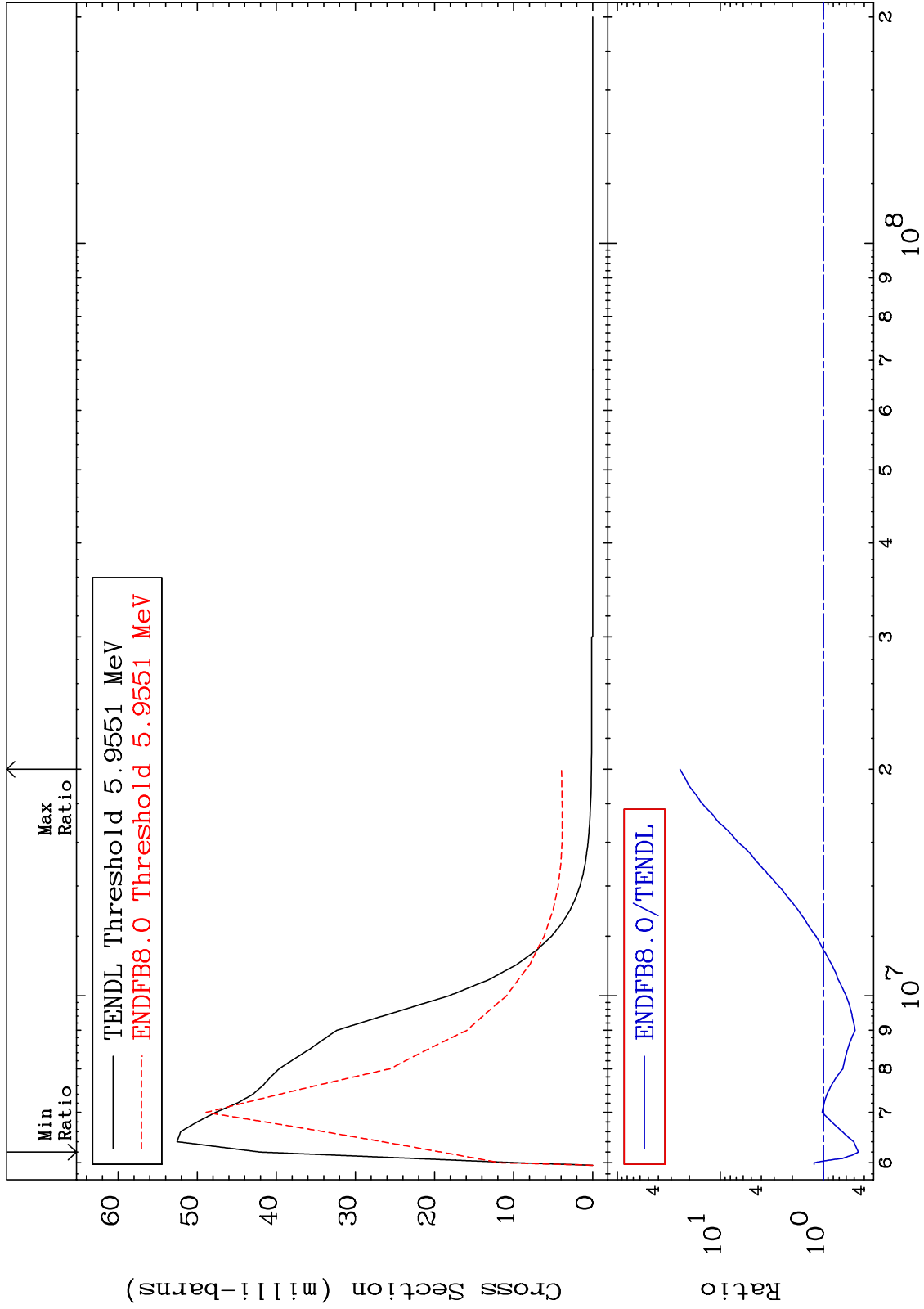
Incident Energy (eV)

14-Si-32

MAT 1437

MT= 59 (n,n') Level  
Cross Section

14-Si-32  
-54.39 To 2360. %



13

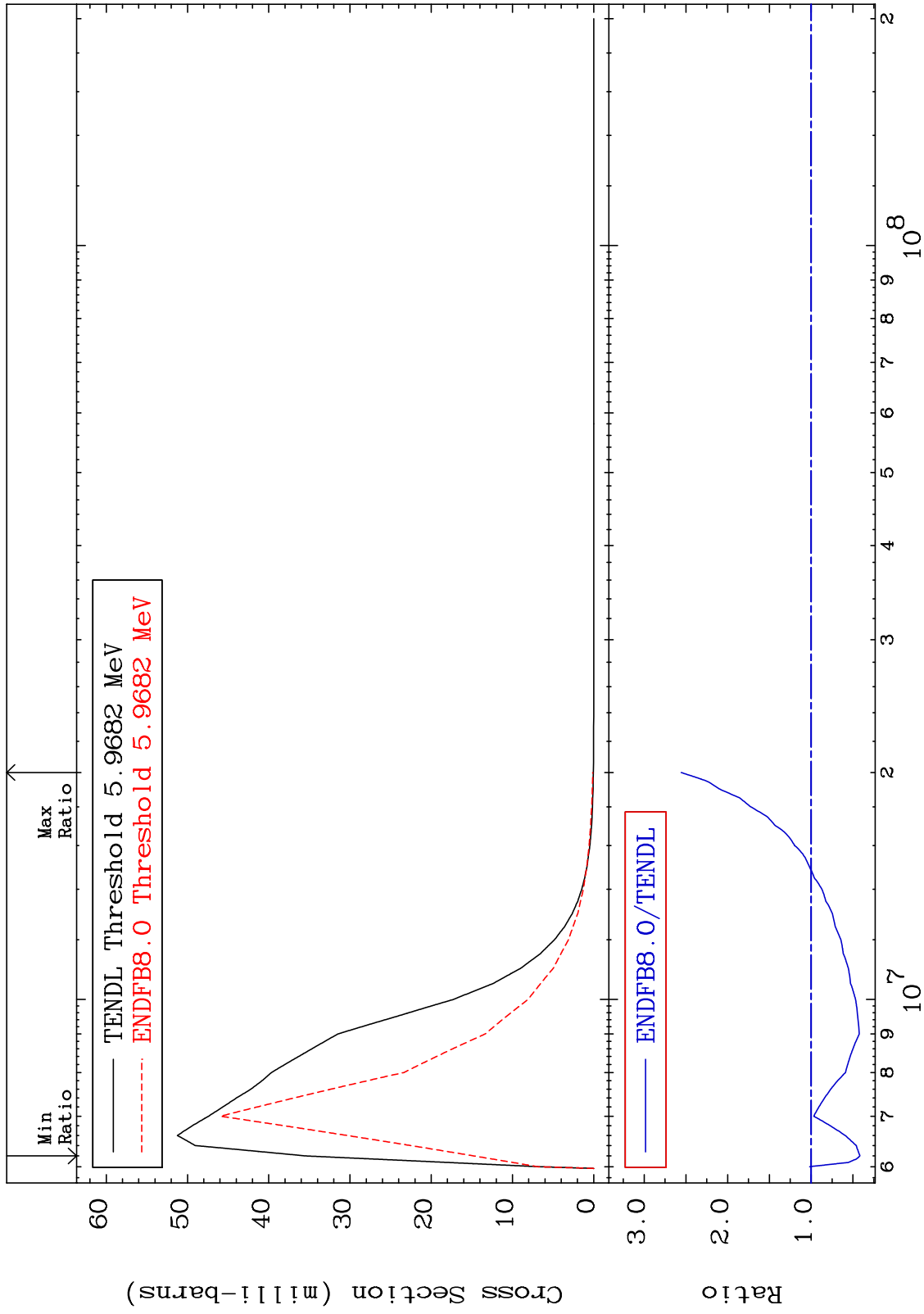
Incident Energy (eV)

14-Si-32

MAT 1437

MT= 60 (n,n') Level  
Cross Section

14-Si-32  
-58.40 To 155.6 %



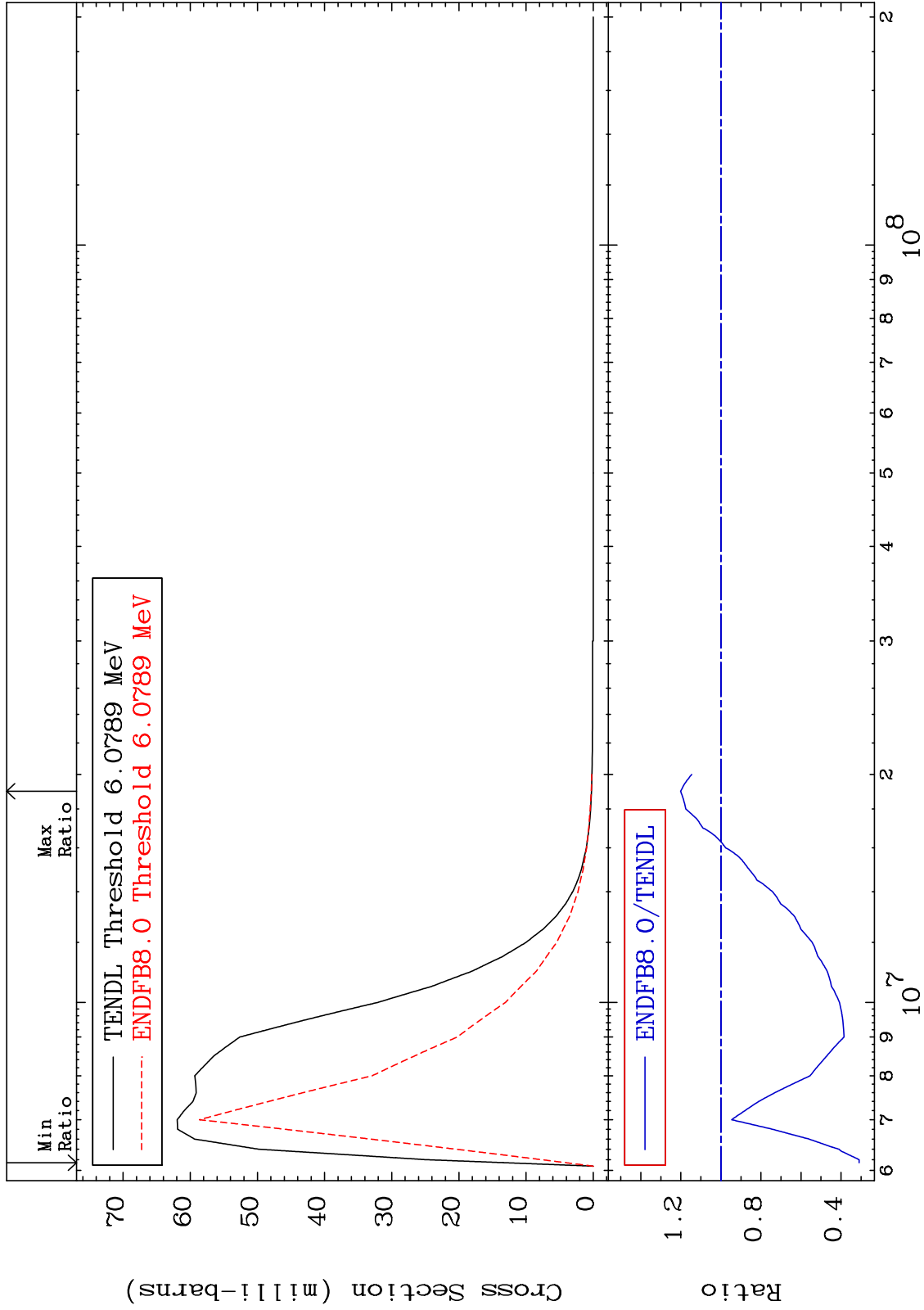
14

14-Si-32

MAT 1437

MT= 61 (n,n') Level  
Cross Section

14-Si-32  
-69.08 To 20.12 %



15

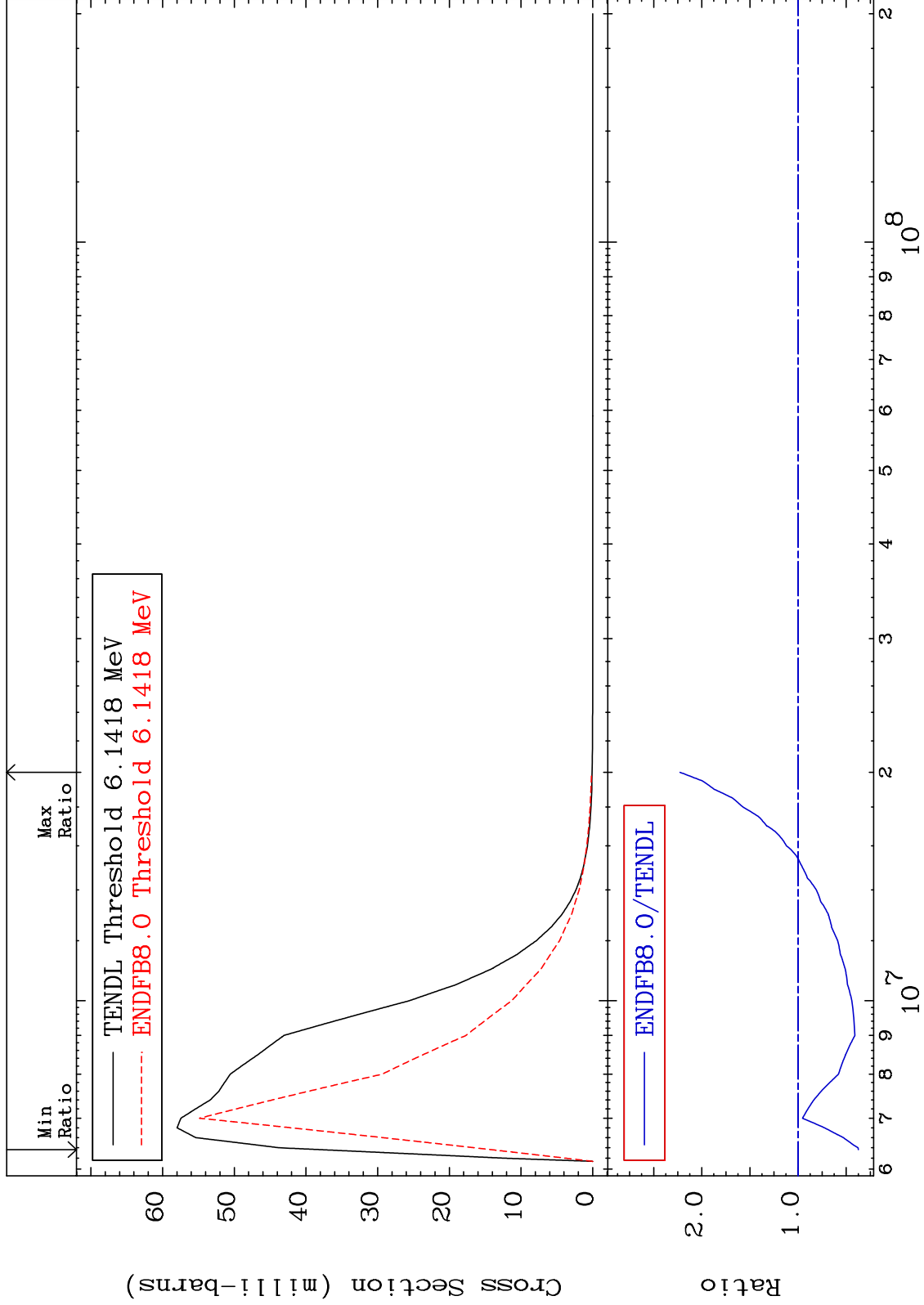
14-Si-32



MAT 1437

MT= 62 (n,n') Level  
Cross Section

14-Si-32  
-62.66 To 122.6 %



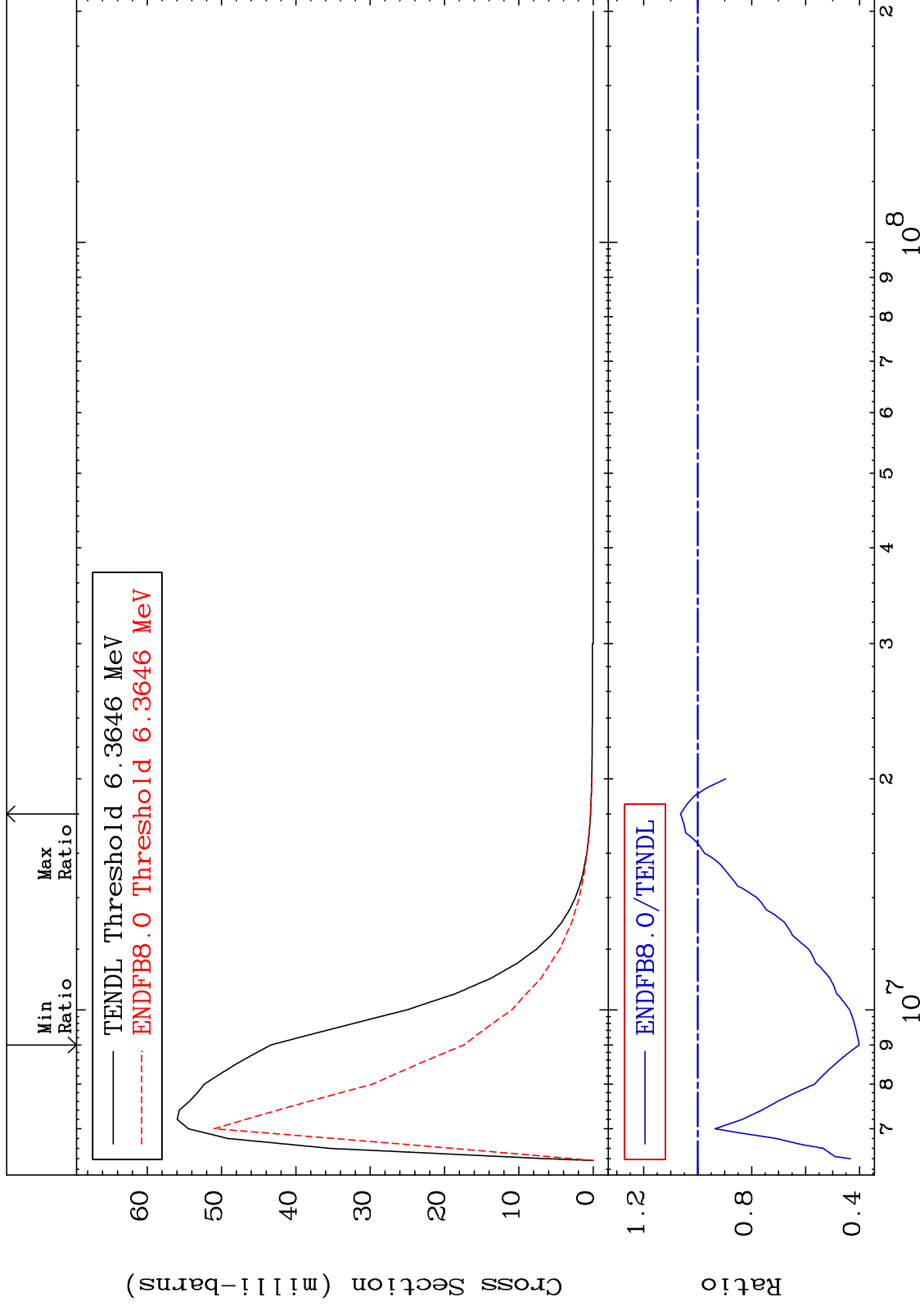
16

14-Si-32

MAT 1437

MT= 63 (n,n') Level  
Cross Section

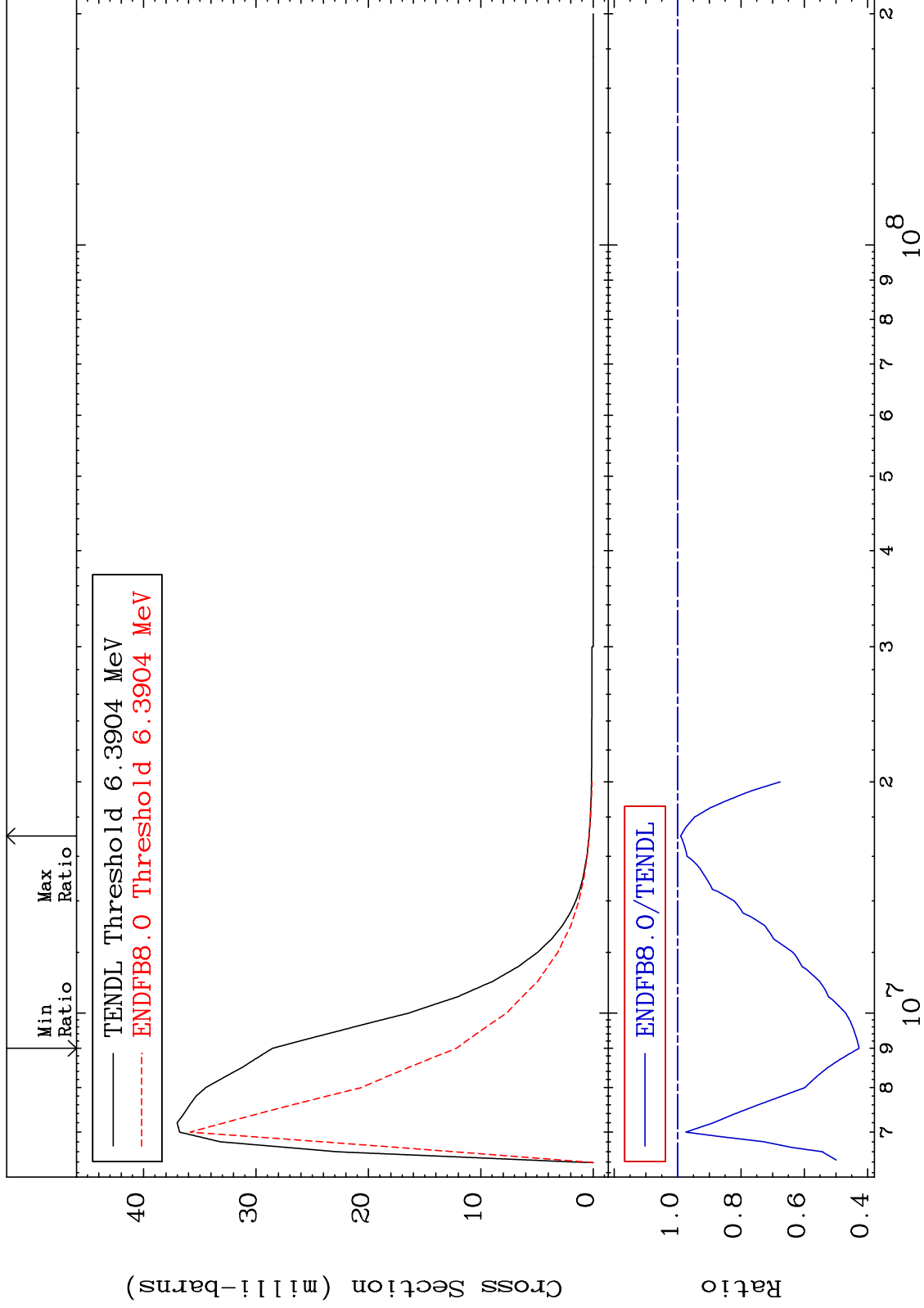
14-Si-32  
-59.84 To 6.333 %



MAT 1437

MT= 64 (n,n') Level  
Cross Section

14-Si-32  
-57.34 To -0.954%



18

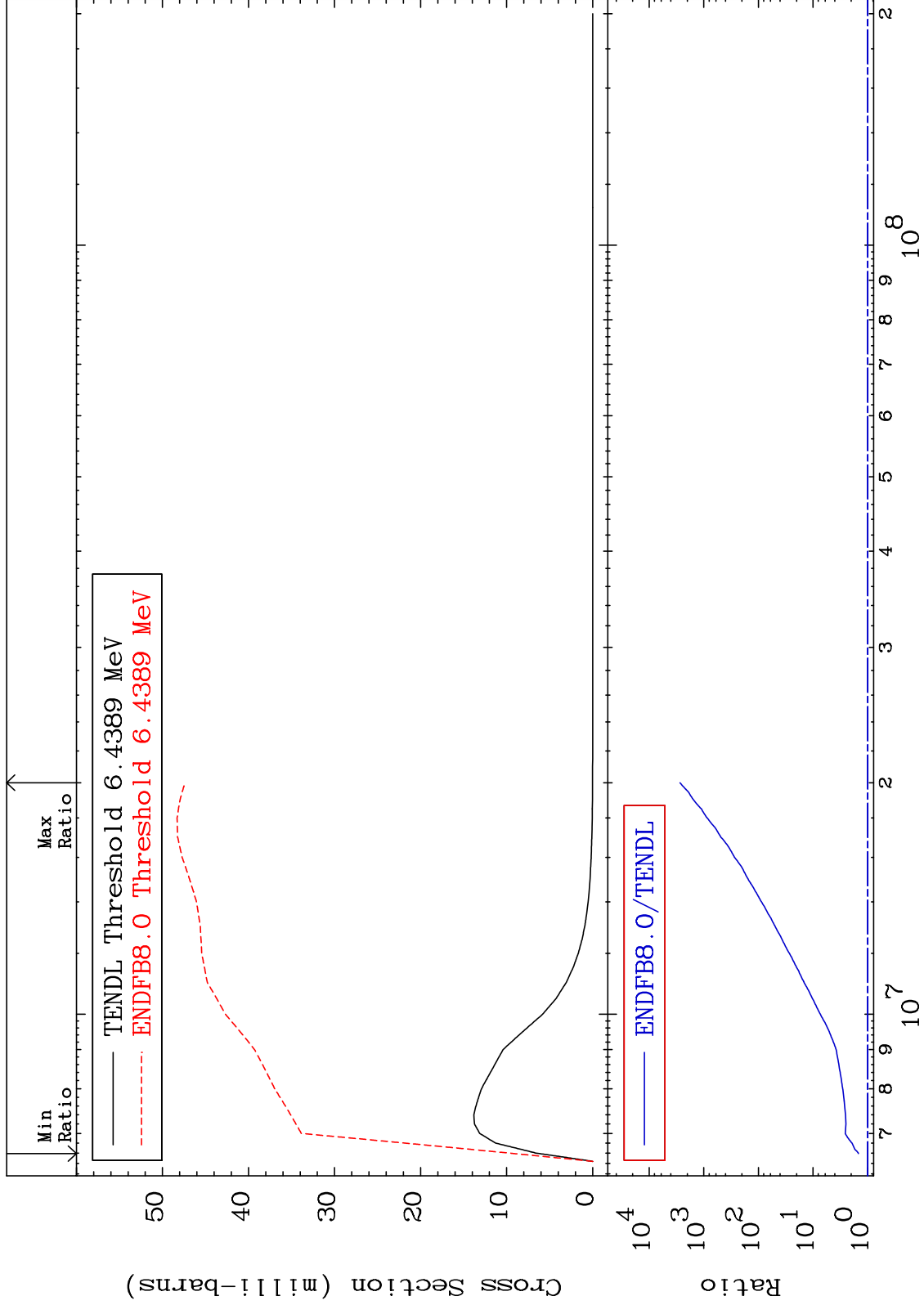
Incident Energy (eV)

14-Si-32

MAT 1437

MT= 65 (n,n') Level  
Cross Section

14-Si-32  
47.62 To 9999. %



19

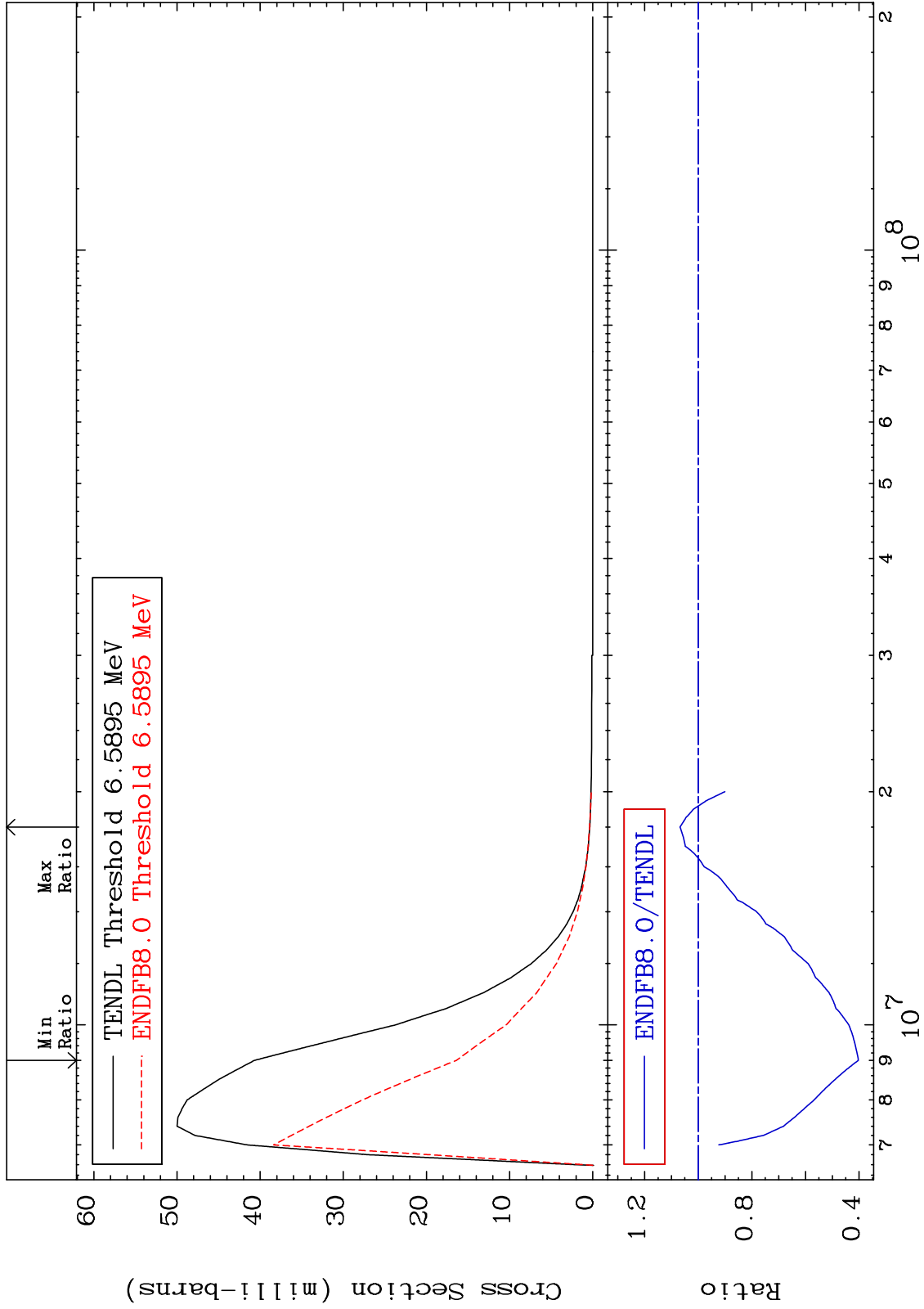
Incident Energy (eV)

14-Si-32

MAT 1437

MT= 66 (n,n') Level  
Cross Section

14-Si-32  
-59.73 To 6.805 %



20

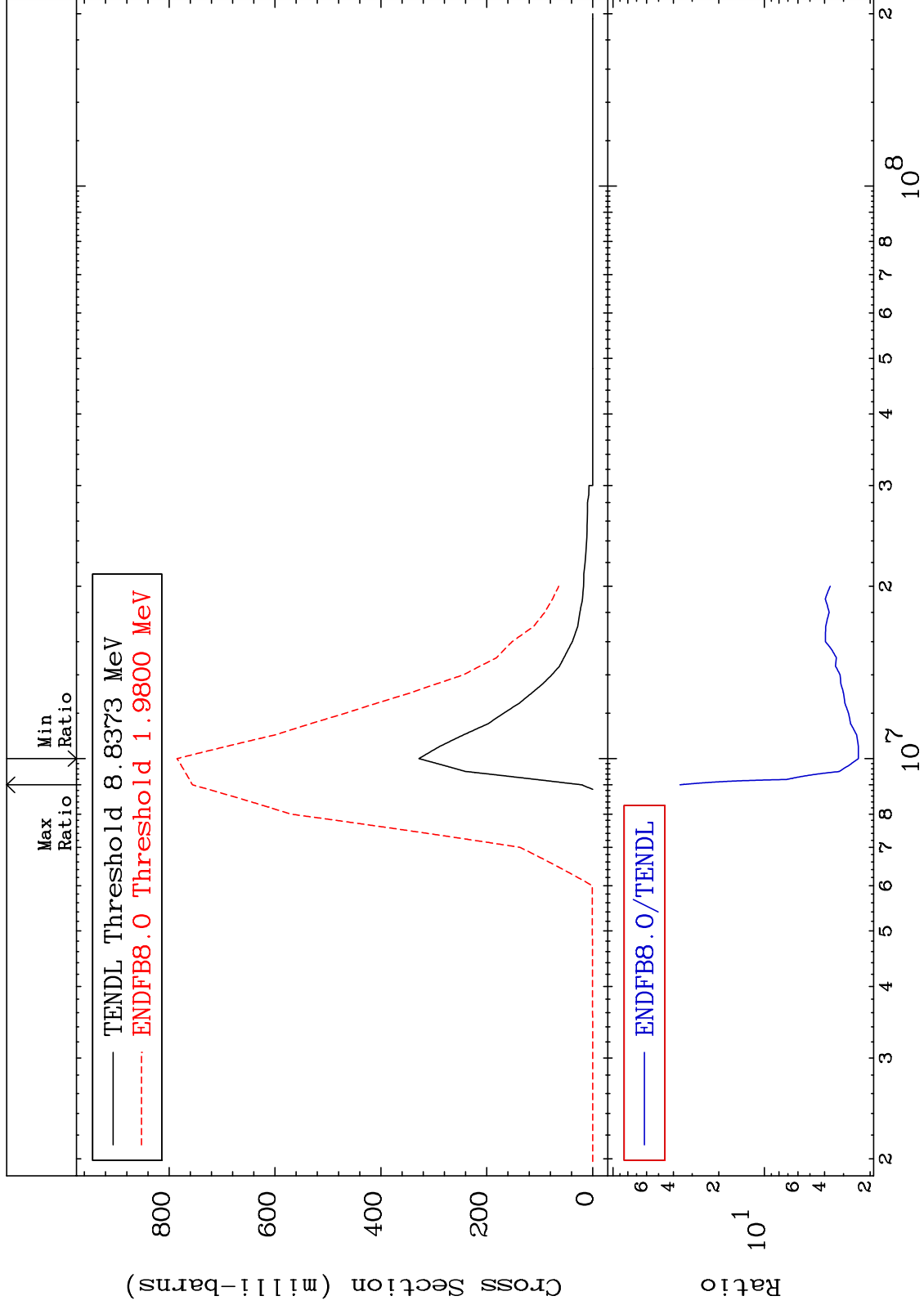
Incident Energy (eV)

14-Si-32

MAT 1437

(n, n') Continuum  
Cross Section

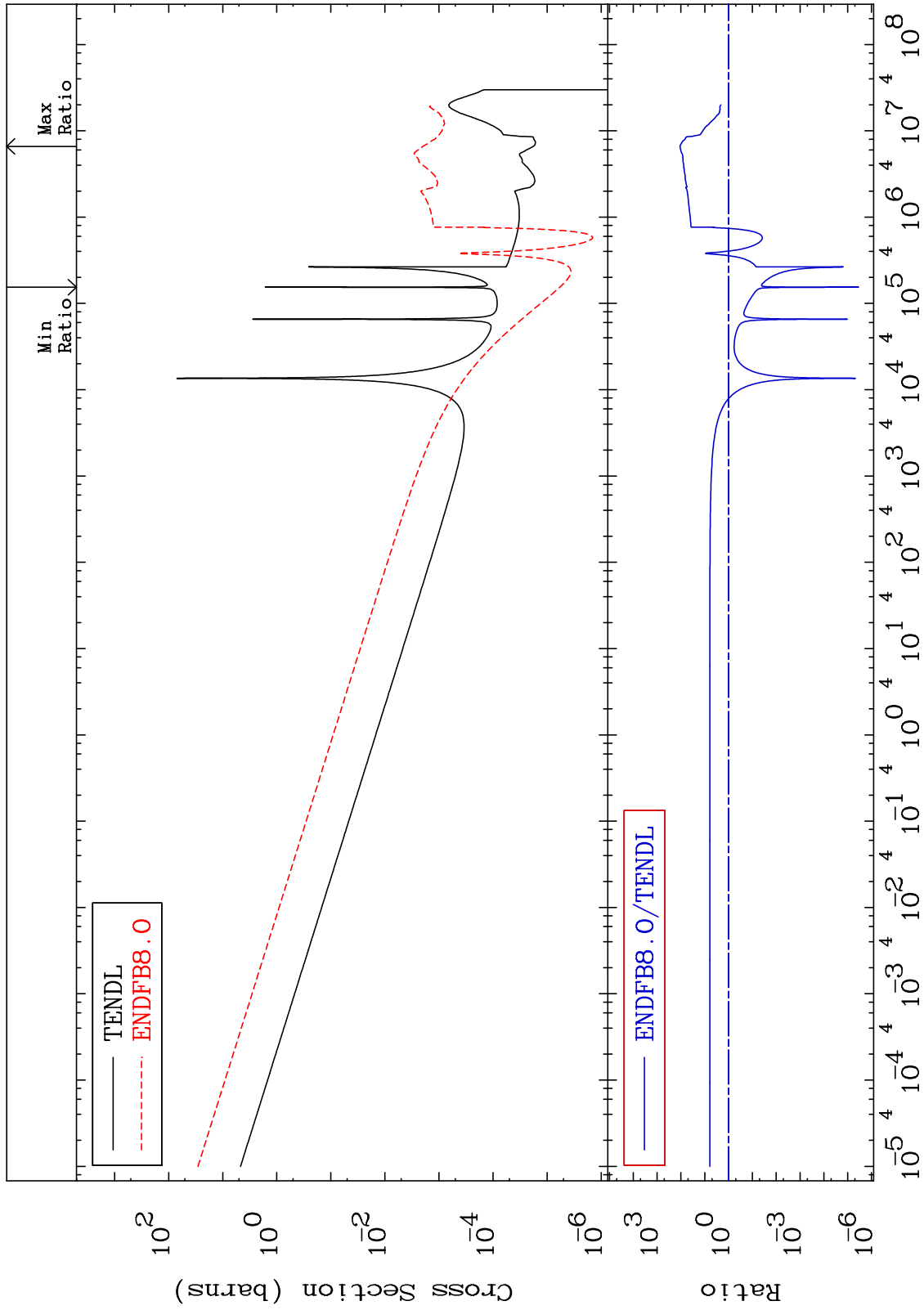
14-Si-32  
139.3 To 3511. %



MAT 1437

(n,  $\gamma$ )  
Cross Section

14-Si-32  
-100.0 To 9999. %



22

Incident Energy (eV)

14-Si-32

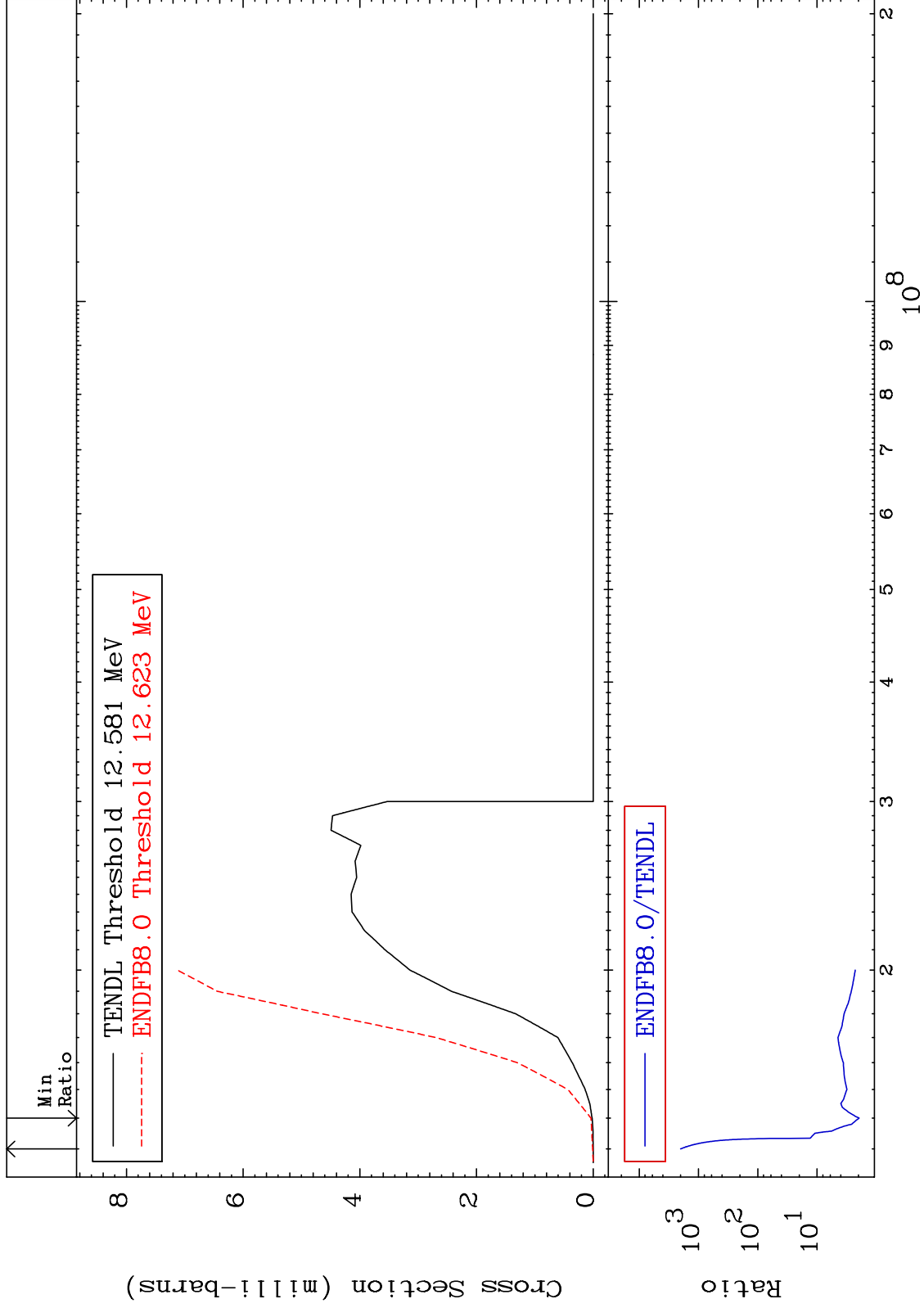
MAT 1437

(n,p)

14-Si-32

Cross Section

95.17 To 9999. %





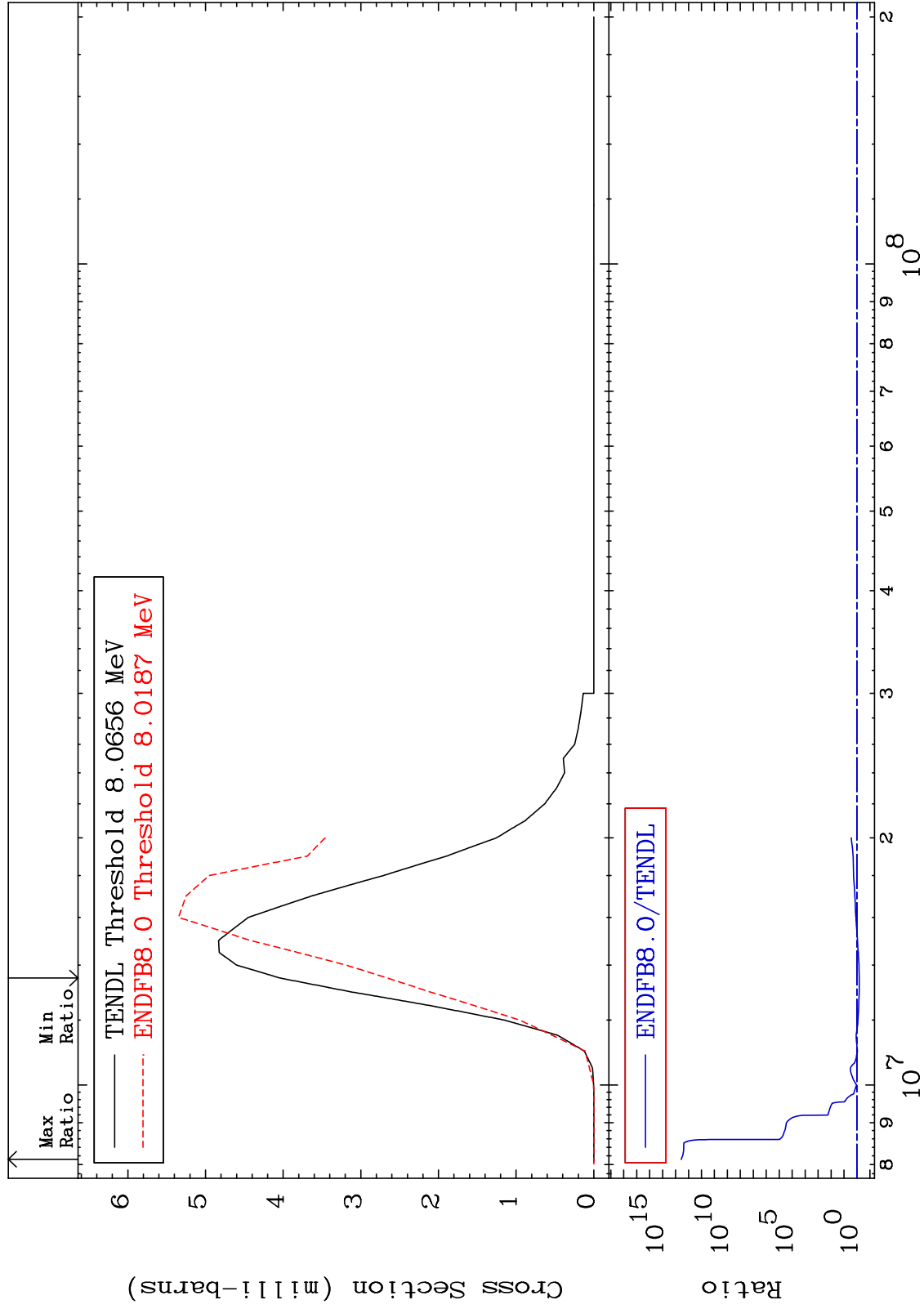
MAT 1437

(n,  $\alpha$ )

14-Si-32

Cross Section

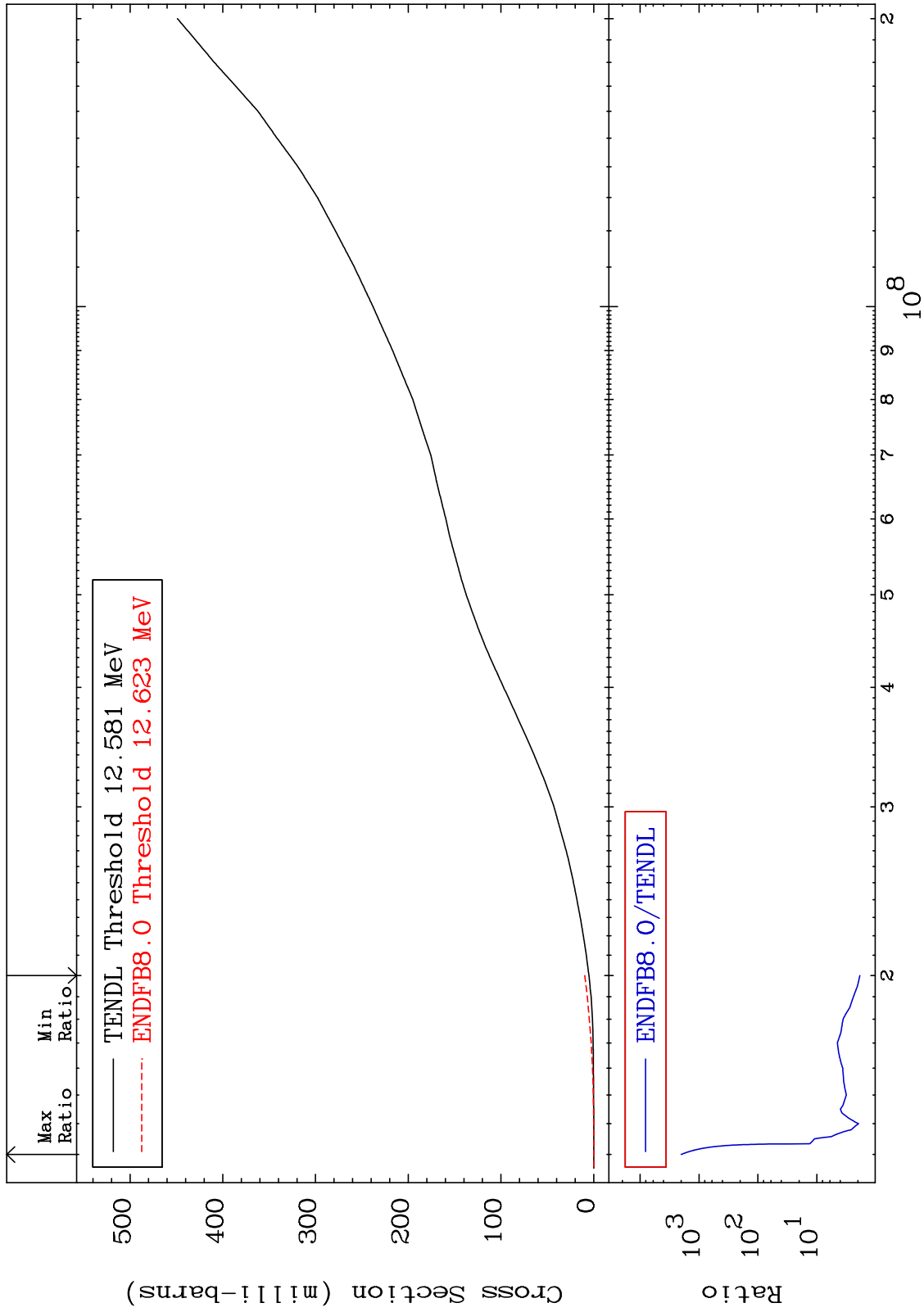
-34.22 To 9999. %



MAT 1437

Hydrogen Production  
Cross Section

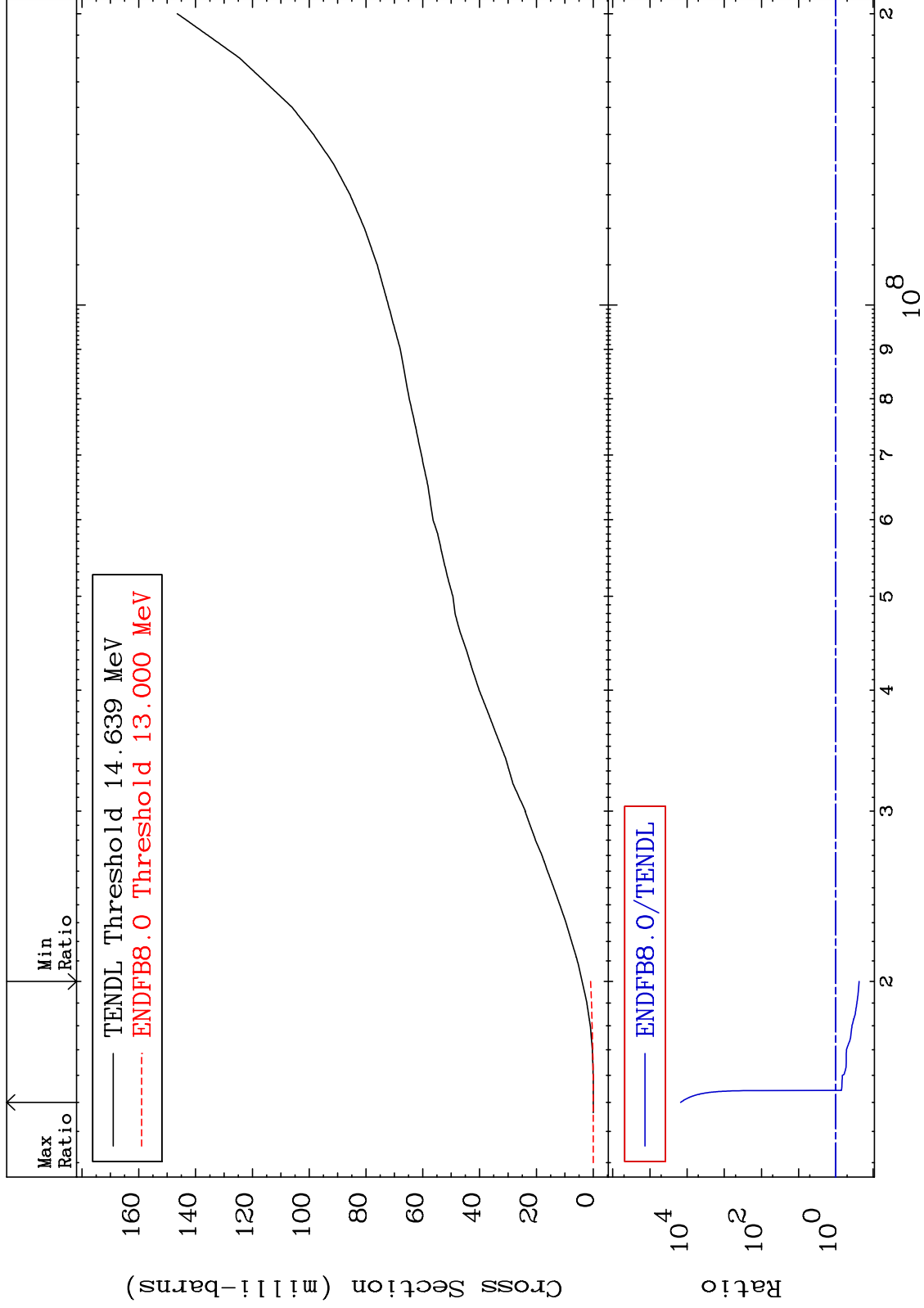
14-Si-32  
85.15 To 9999. %



MAT 1437

Deuterium Production  
Cross Section

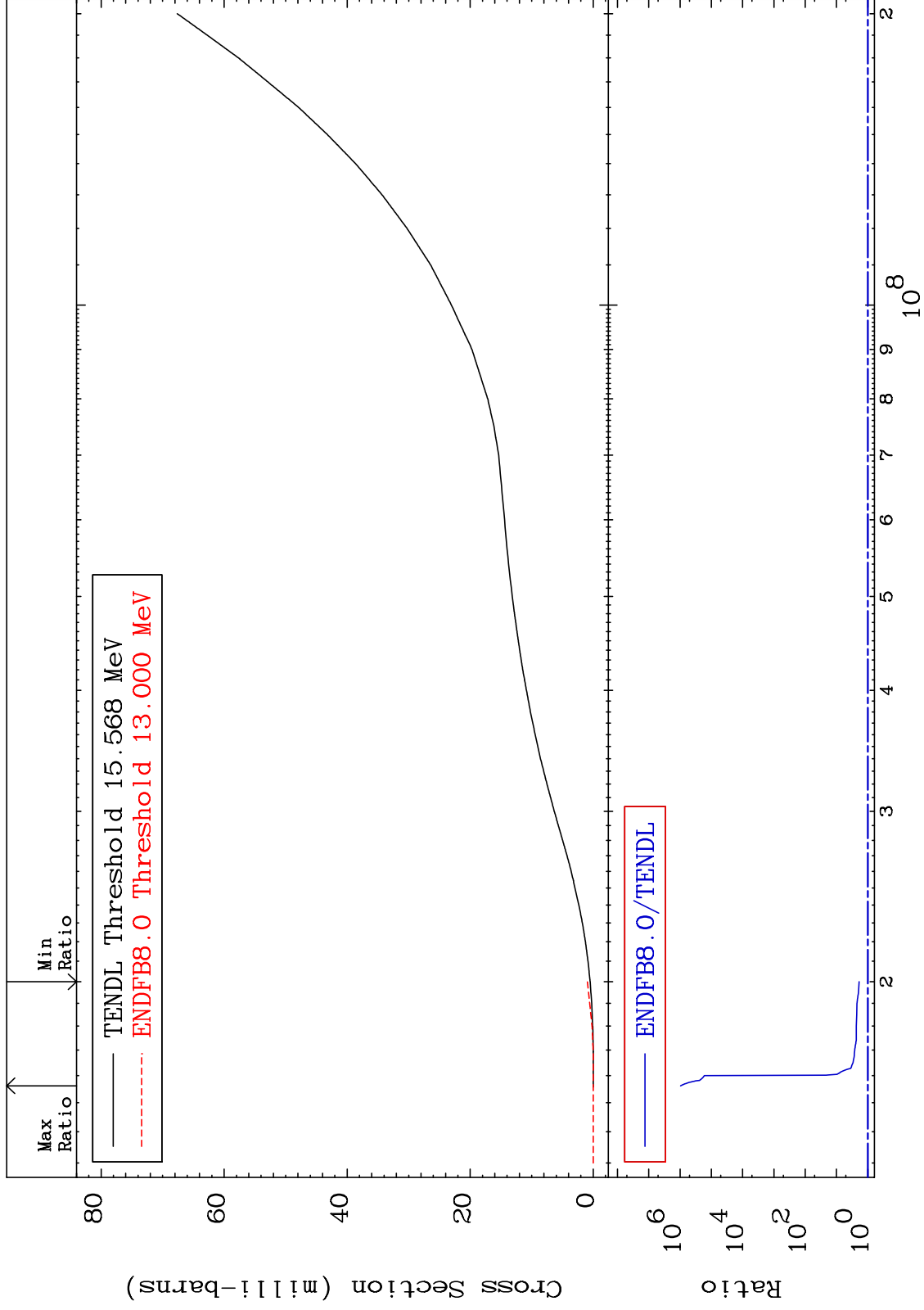
14-Si-32  
-76.42 To 9999. %



MAT 1437

Tritium Production  
Cross Section

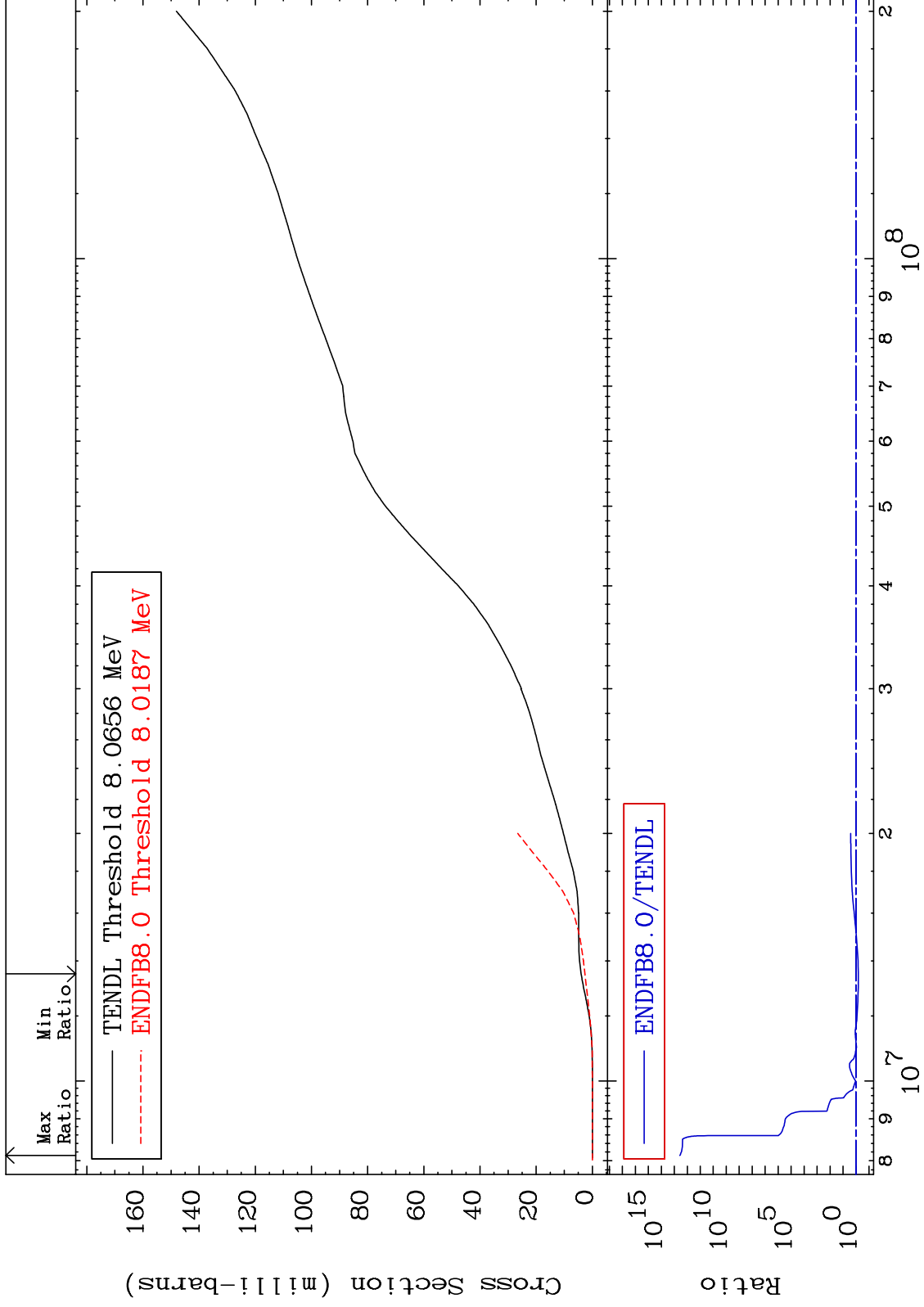
14-Si-32  
88.51 To 9999. %



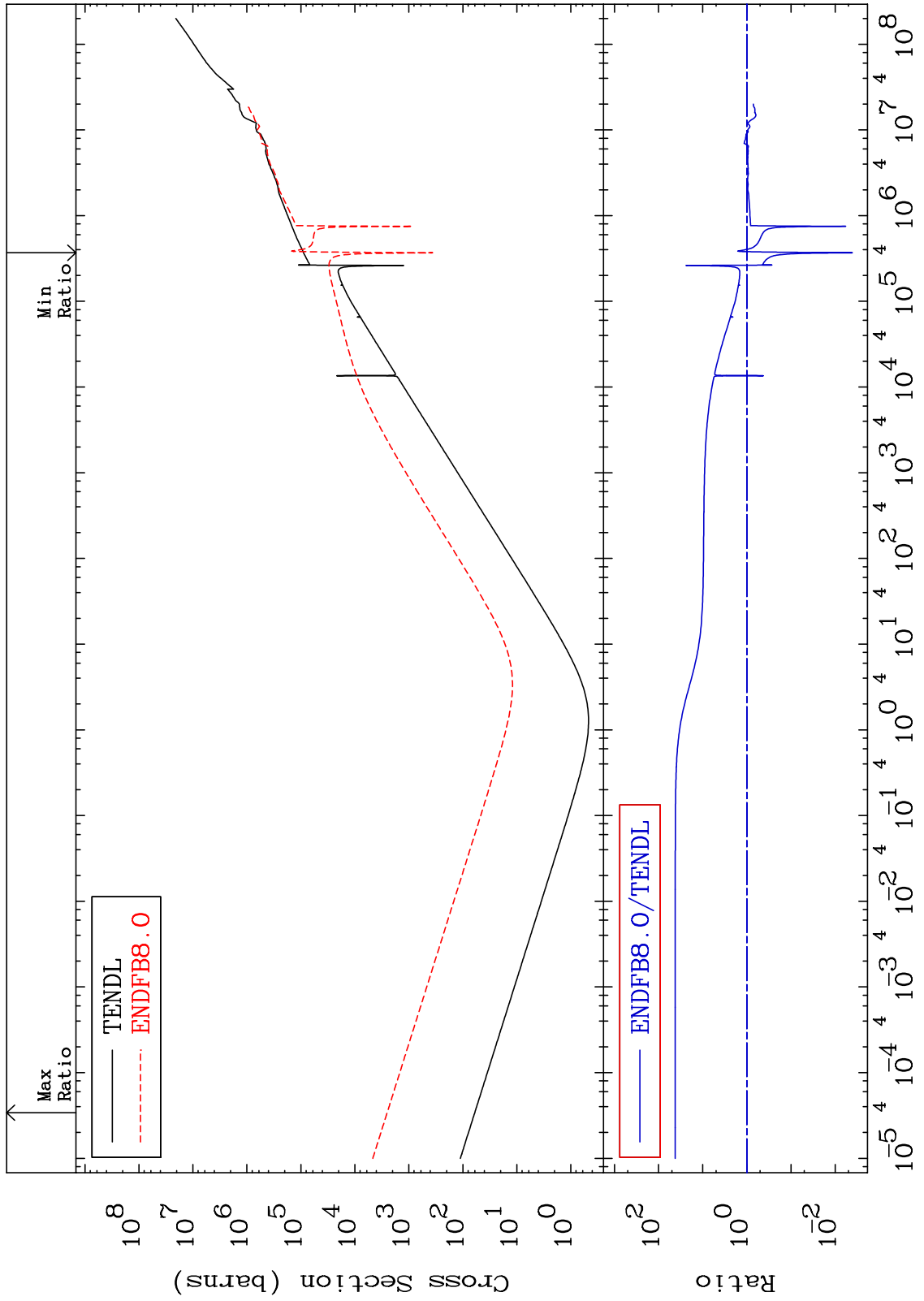
MAT 1437

He-4 Production  
Cross Section

14-Si-32  
-34.22 To 9999. %



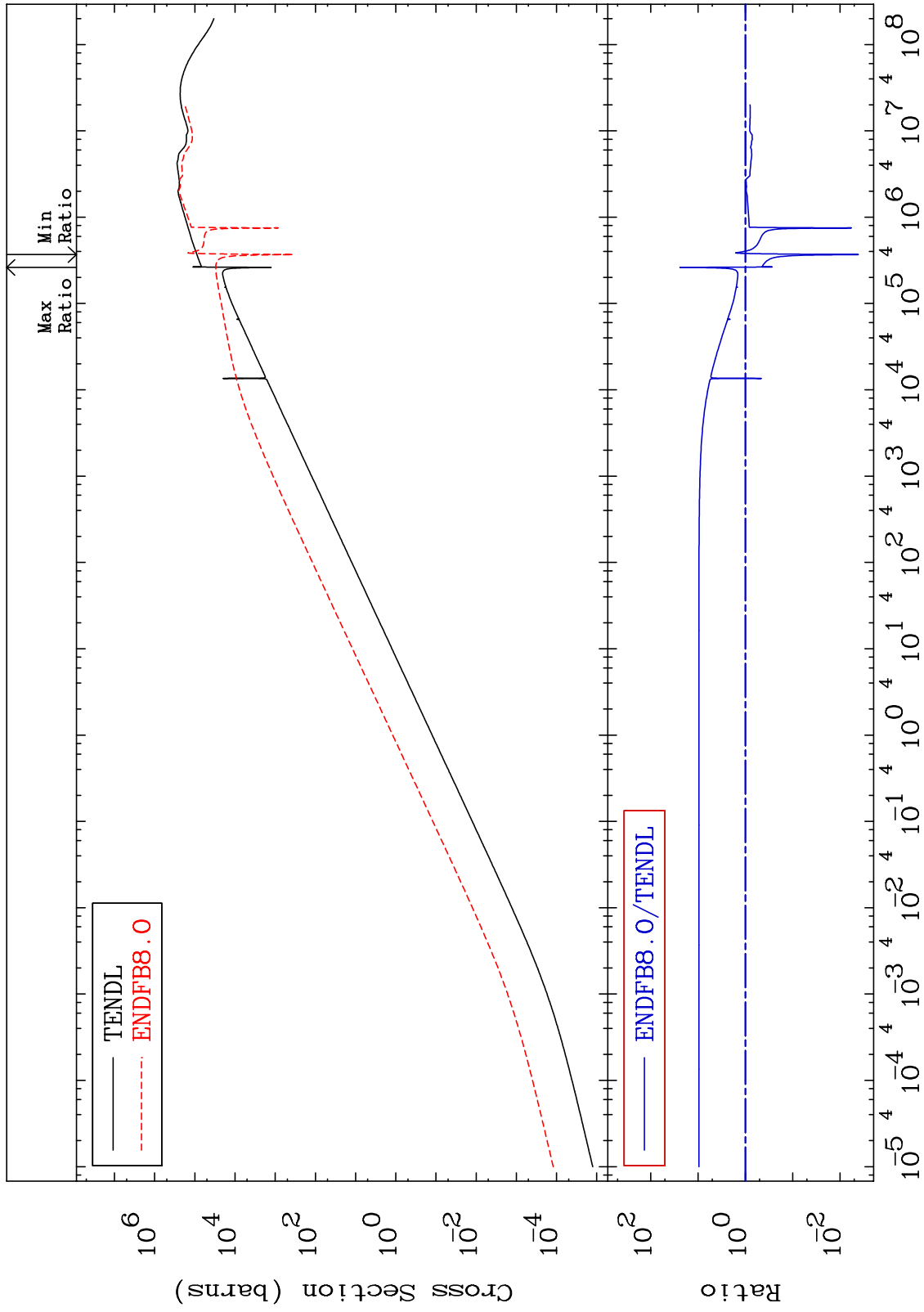
MAT 1437      Kerma total (eV-barns)  
Cross Section      14-Si-32  
-99.59 To 4095. %



MAT 1437

Kerma elastic  
Cross Section

14-Si-32  
-99.59 To 2299. %



30

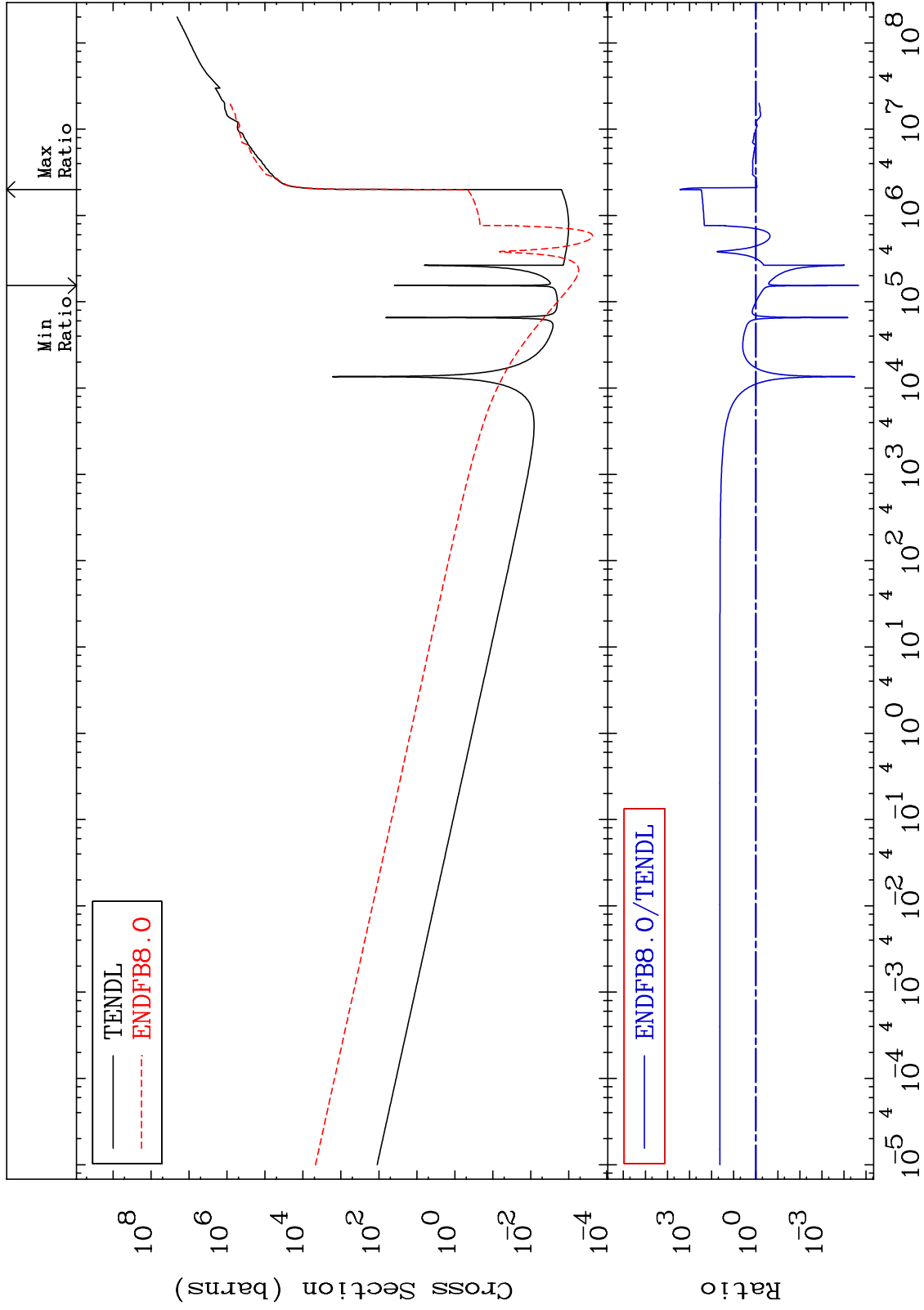
Incident Energy (eV)

14-Si-32

MAT 1437

Kerma non-elastic (all but mt2)  
Cross Section

14-Si-32  
-100.0 To 9999. %

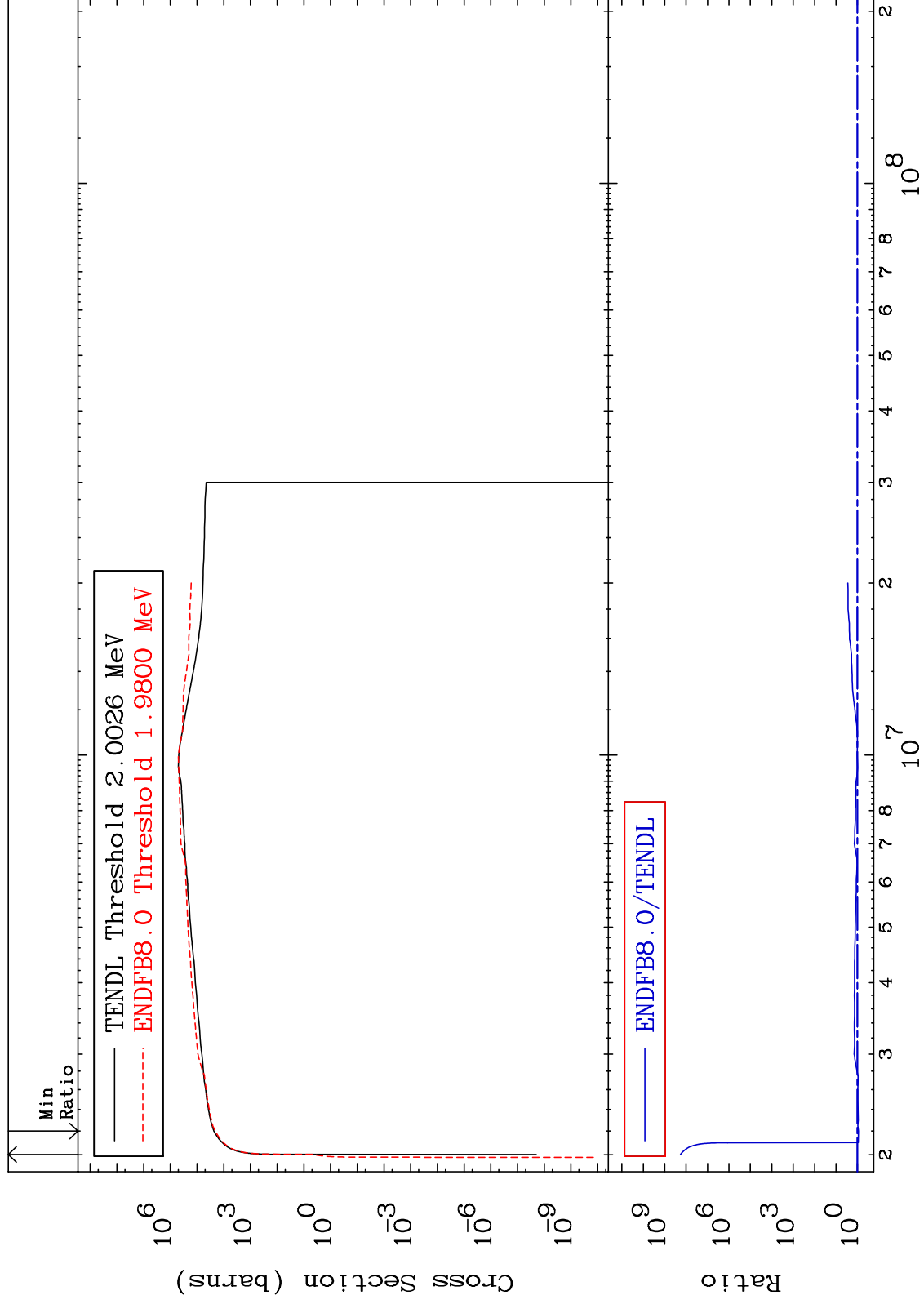




MAT 1437

Kerma inelastic (mt51-91)  
Cross Section

14-Si-32  
-11.00 To 9999. %



32

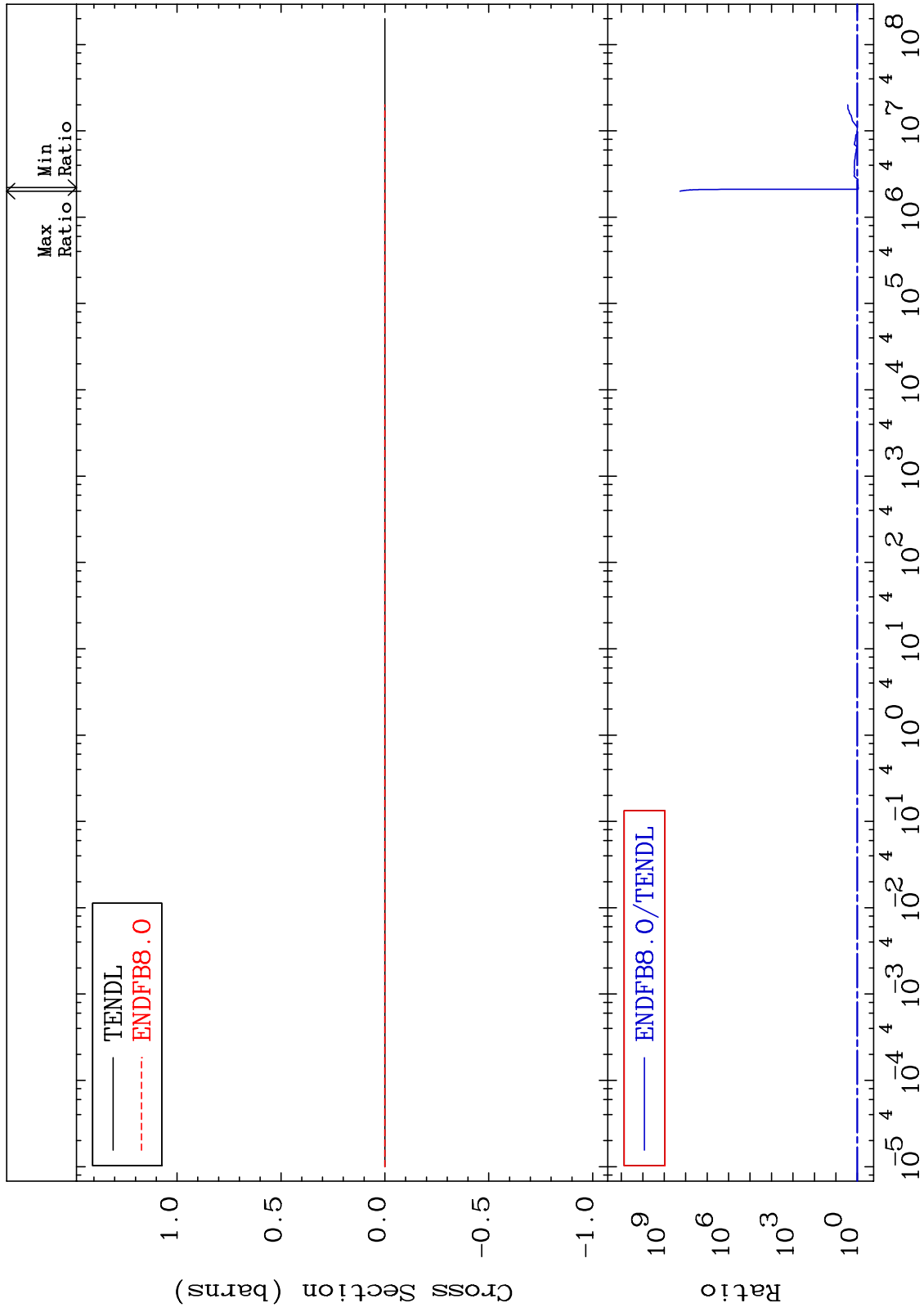
Incident Energy (eV)

14-Si-32

MAT 1437

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

14-Si-32  
-11.00 To 9999. %



33

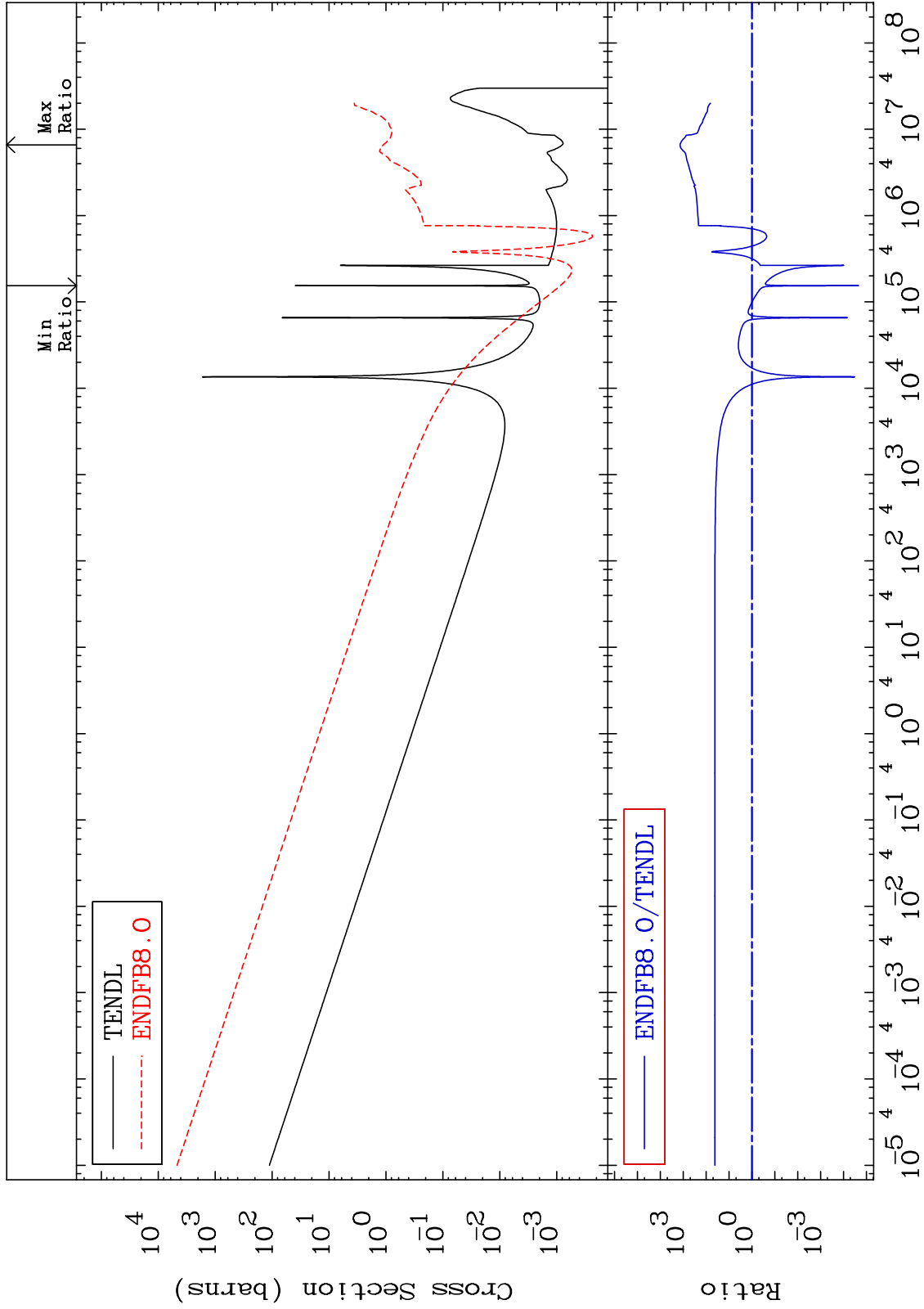
Incident Energy (eV)

14-Si-32

MAT 1437

Kerma capture (mt102)  
Cross Section

14-Si-32  
-100.0 To 9999. %



34

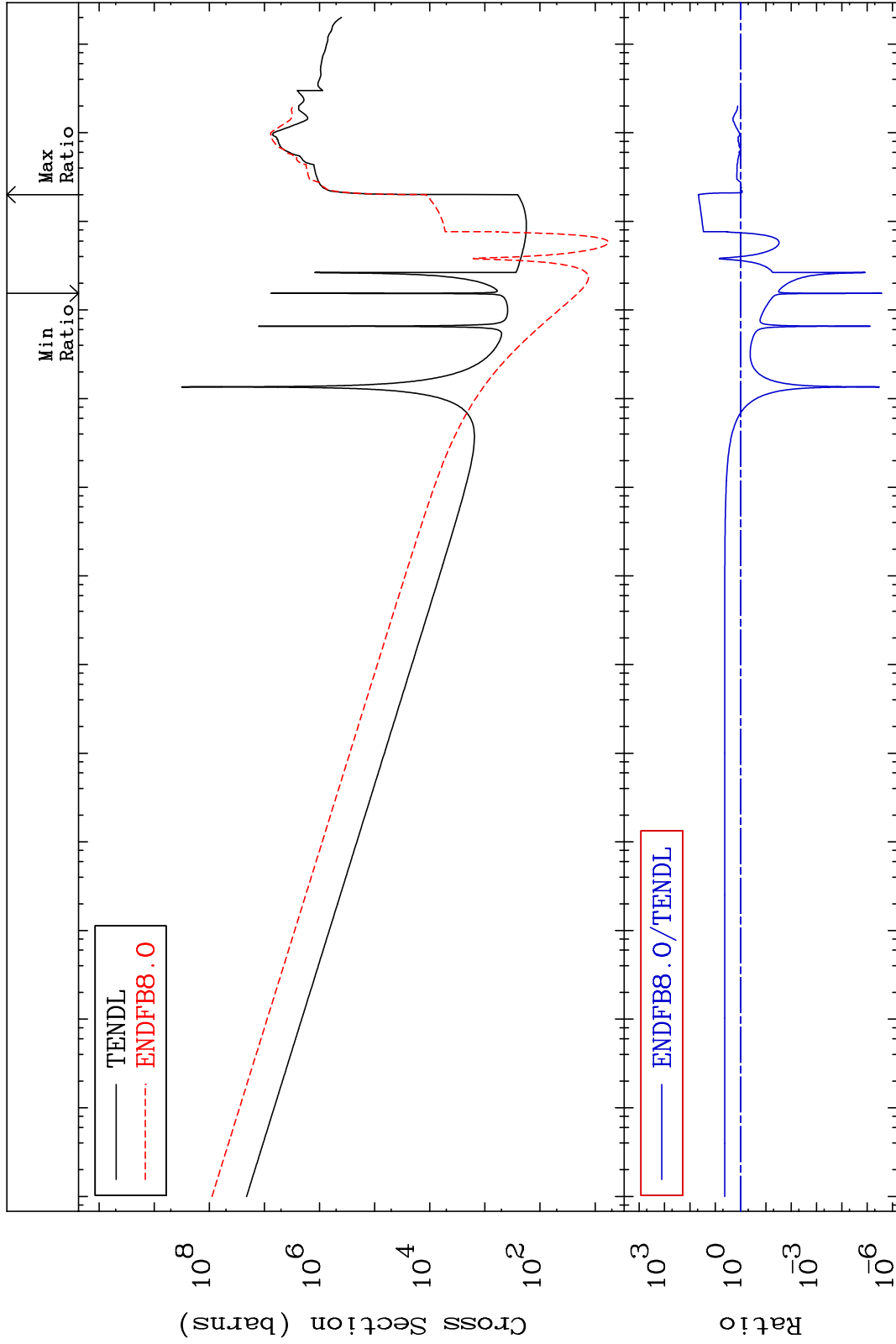
Incident Energy (eV)

14-Si-32

MAT 1437

Total photon (eV-barns)  
Cross Section

14-Si-32  
-100.0 To 4532. %

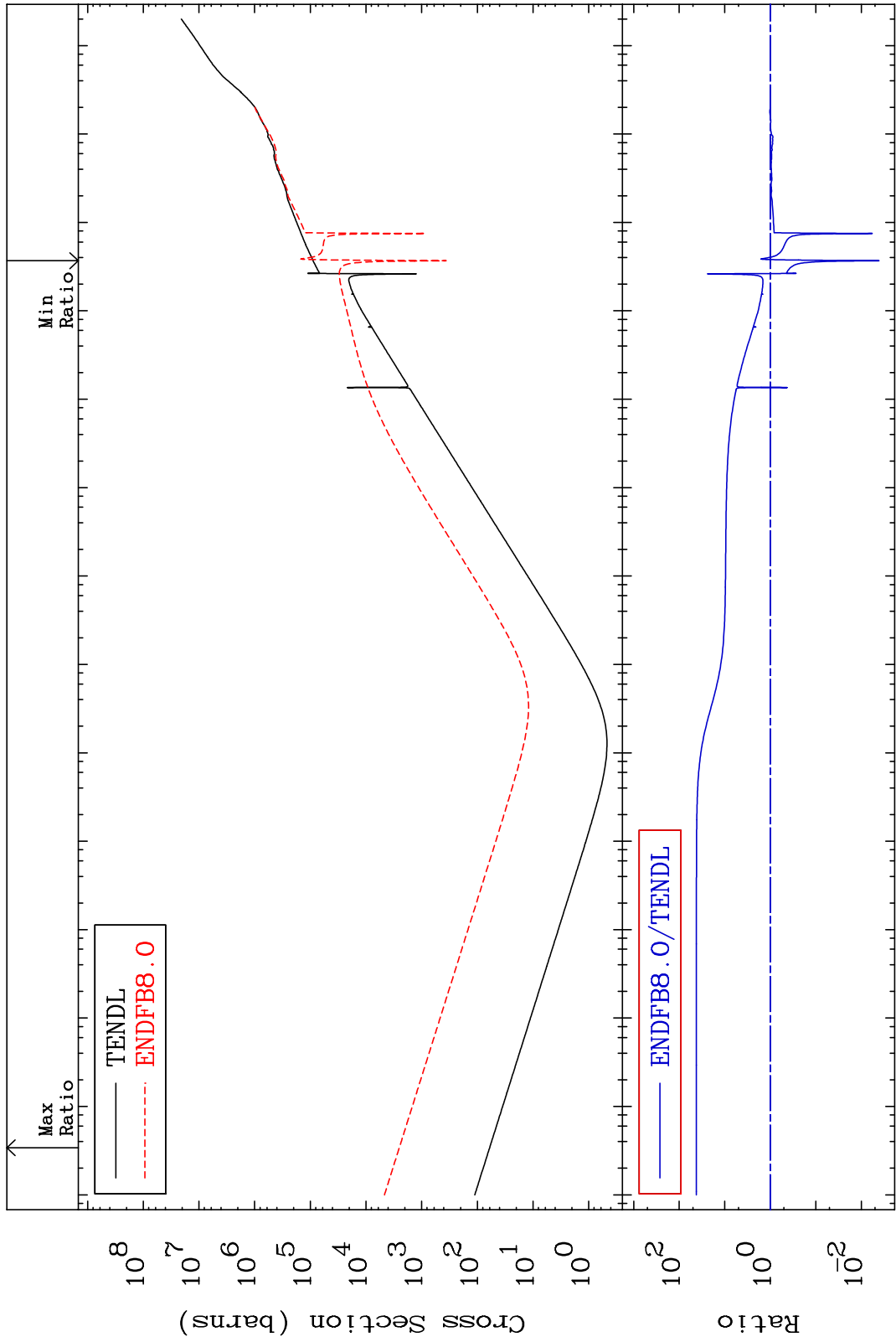


35

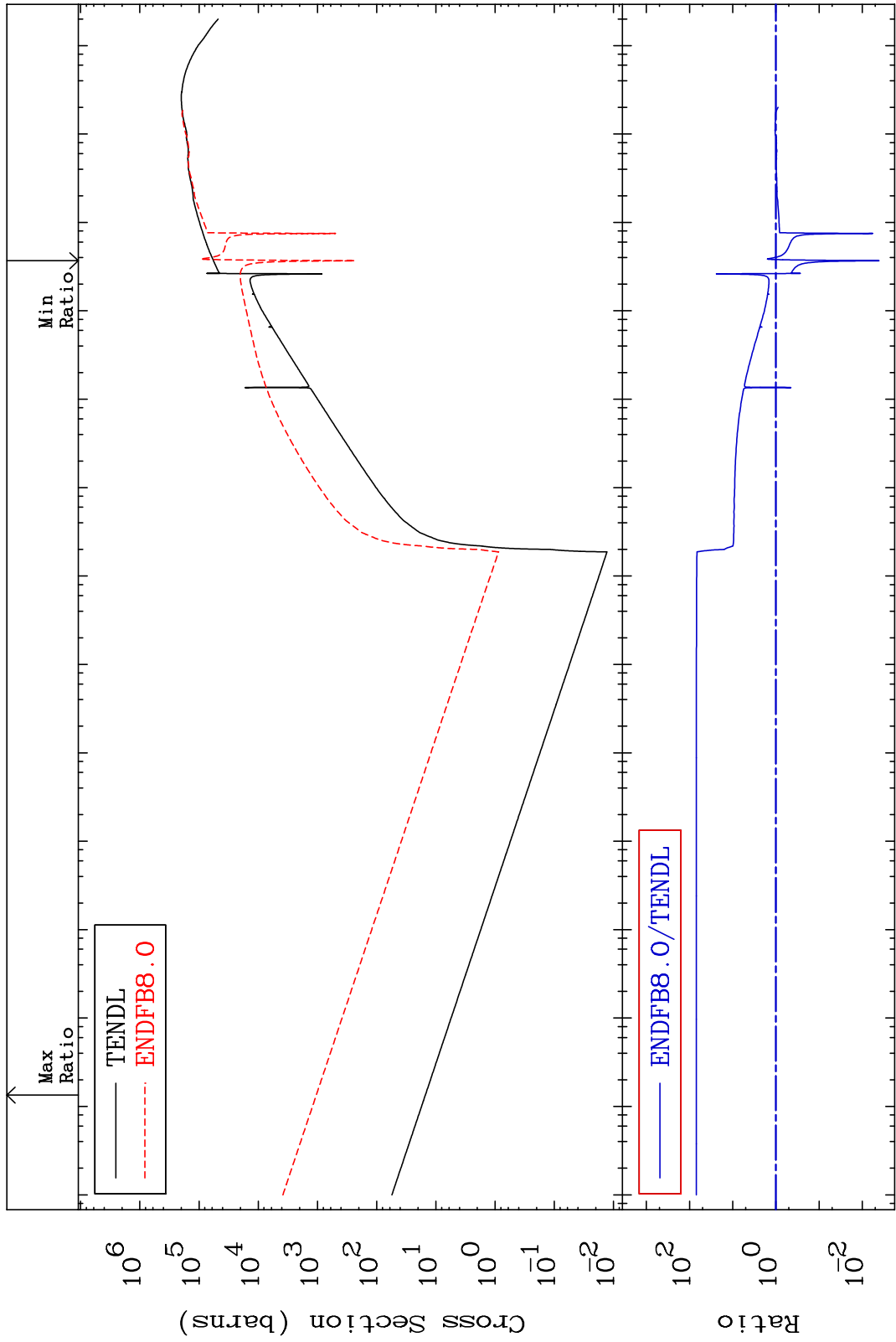
Incident Energy (eV)

14-Si-32

MAT 1437 Total kinematic kerma (high limit) 14-Si-32  
 Cross Section -99.59 To 4095. %



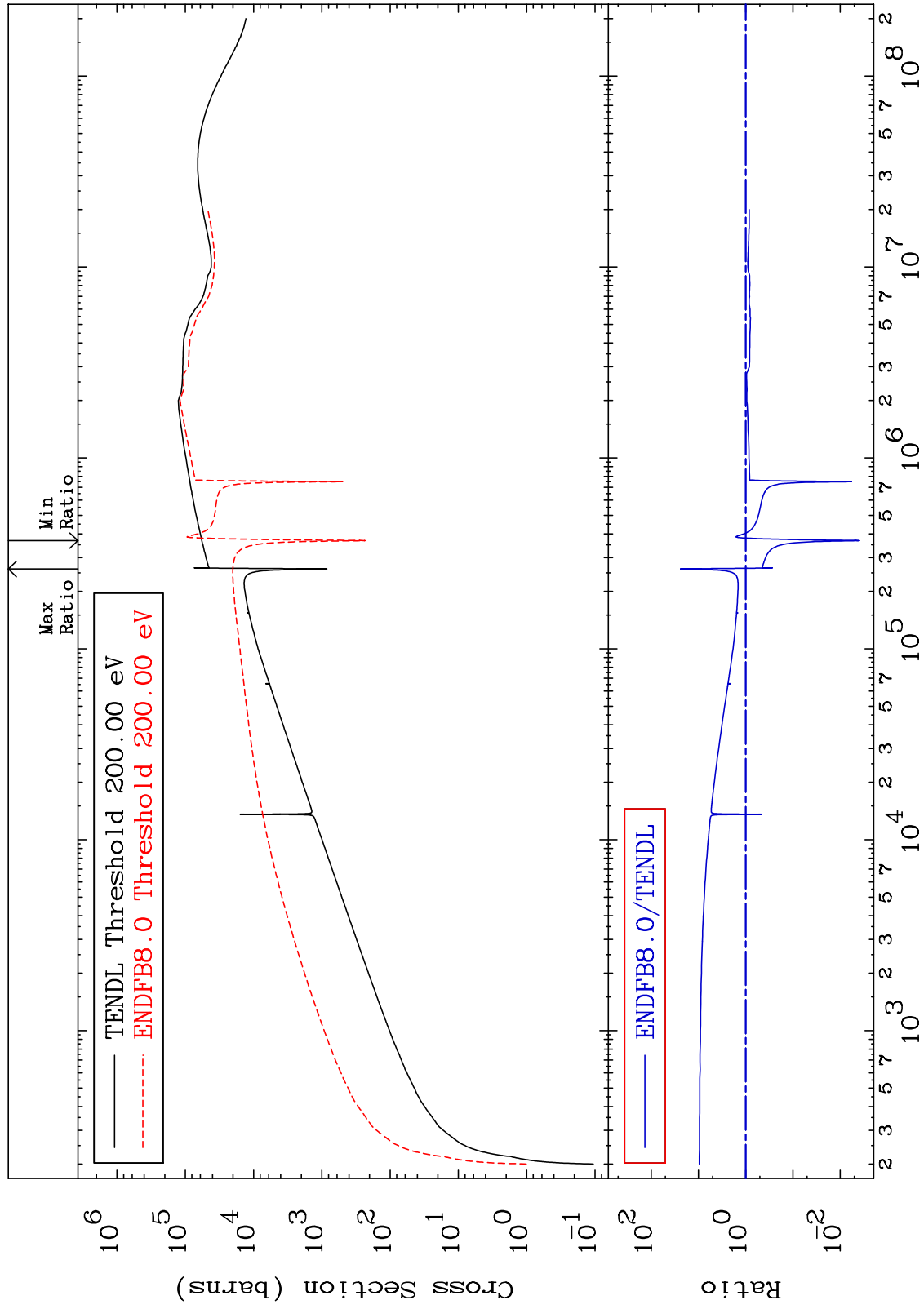
MAT 1437      Dpa total (eV-barns)      14-Si-32  
 Cross Section      -99.59 To 6842. %



MAT 1437

Dpa elastic (mt2)  
Cross Section

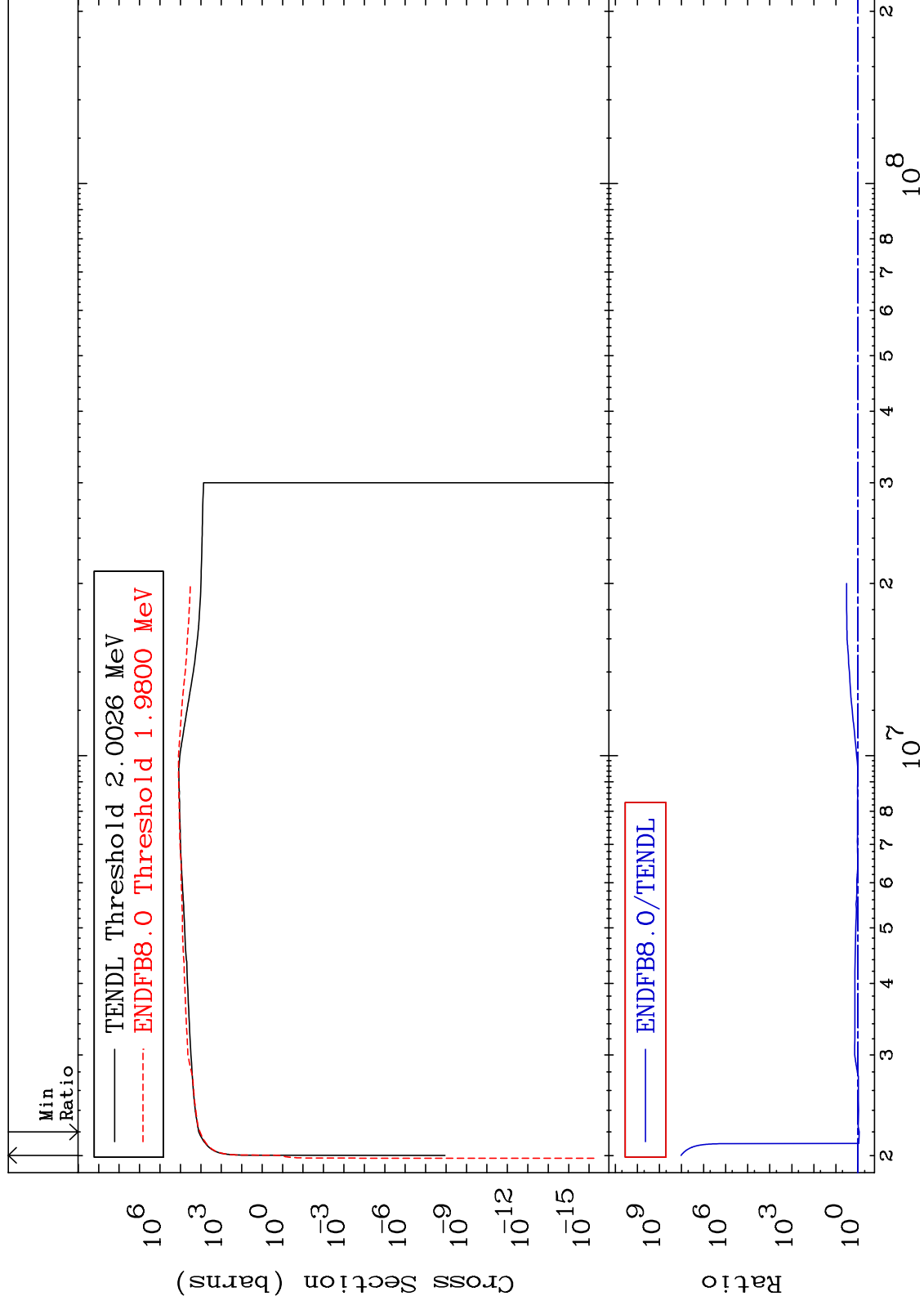
14-Si-32  
-99.59 To 2299. %



MAT 1437

Dpa inelastic (mt51-91)  
Cross Section

14-Si-32  
-12.78 To 9999. %





MAT 1437

Dpa disappearance (mt102 -120)  
Cross Section

14-Si-32  
-100.0 To 9999. %

