

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

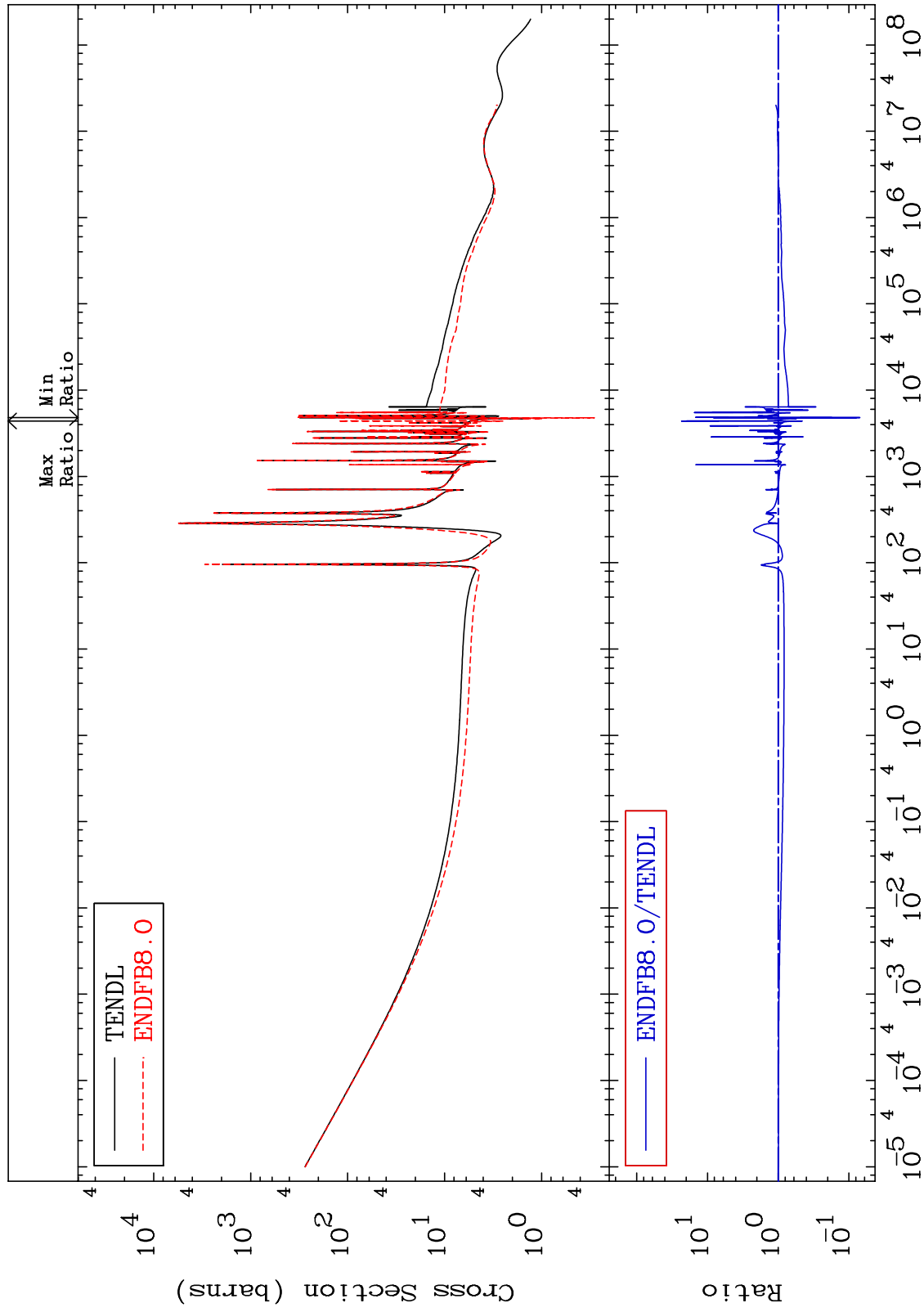
MAT 3131

Total

31-Ga-71

Cross Section

-92.97 To 2235. %



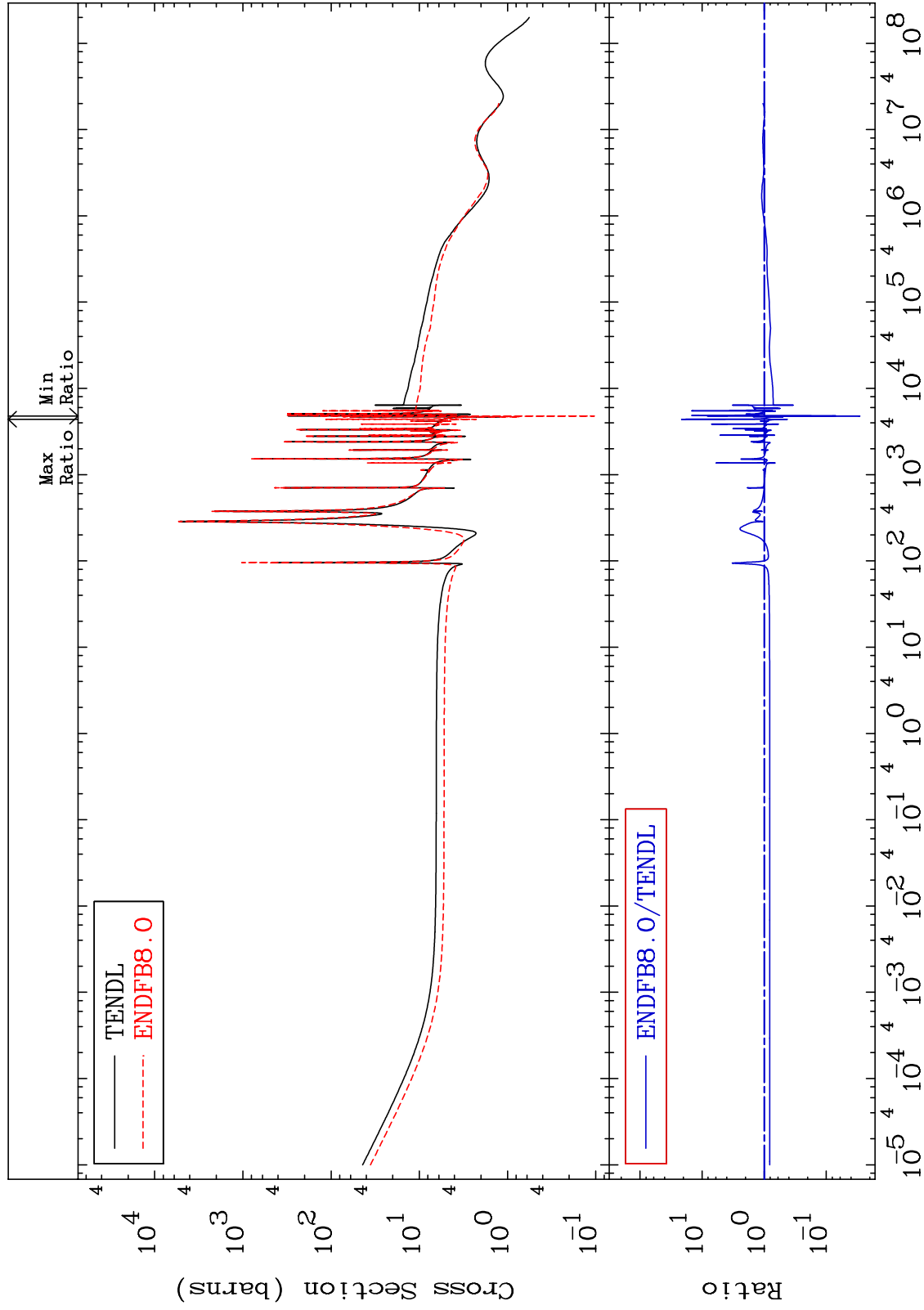
Incident Energy (eV)

31-Ga-71

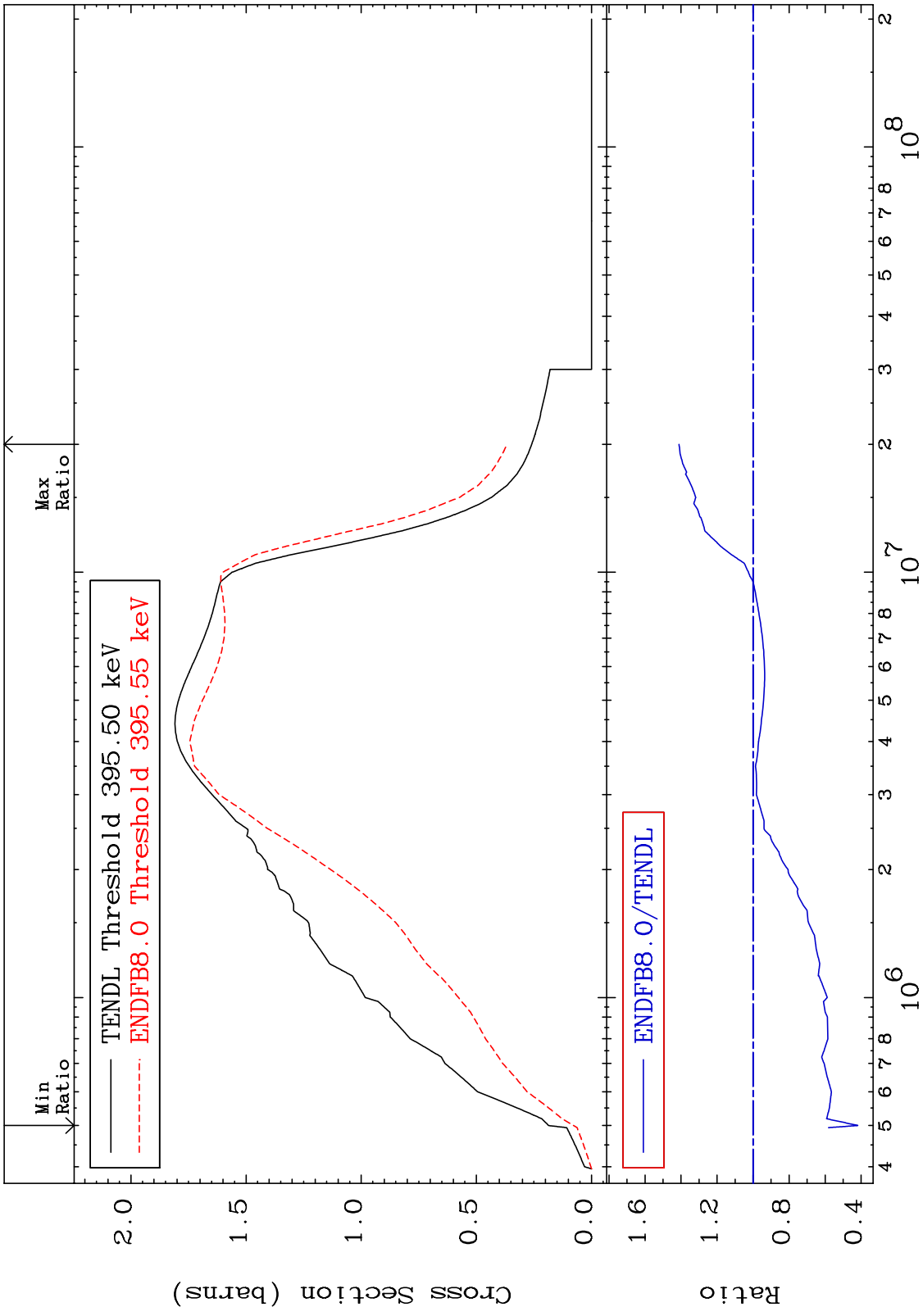
MAT 3131

Elastic  
Cross Section

31-Ga-71  
-97.12 To 2047. %

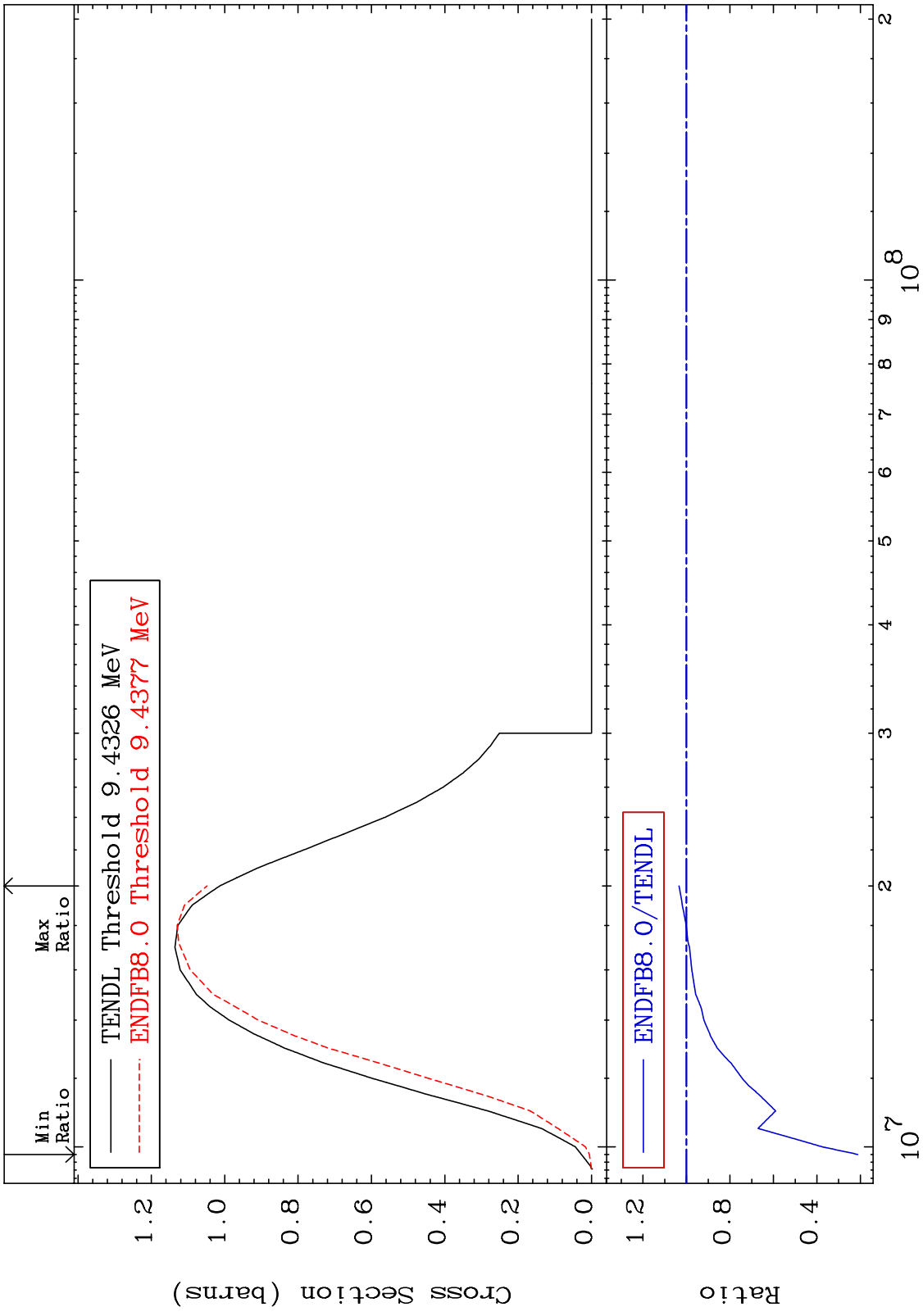


MAT 3131 Inelastic Cross Section 31-Ga-71 -58.17 To 41.10 %



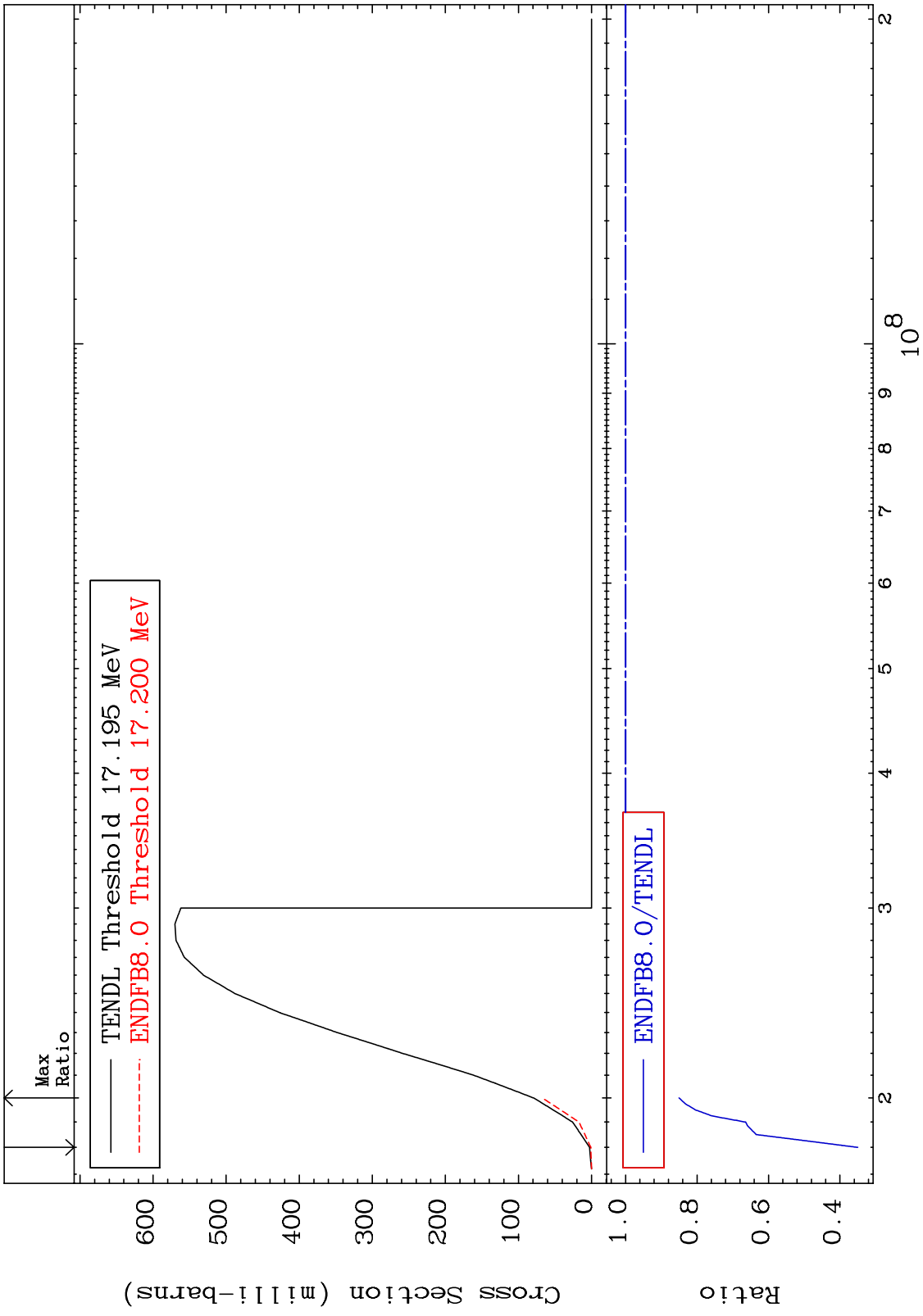
31-Ga-71

MAT 3131  $(n,2n)$  Cross Section  $^{31}\text{Ga-71}$  -78.82 To 3.406 %



4  $^{31}\text{Ga-71}$

MAT 3131 (n,3n) Cross Section 31-Ga-71 -65.00 To -14.97%



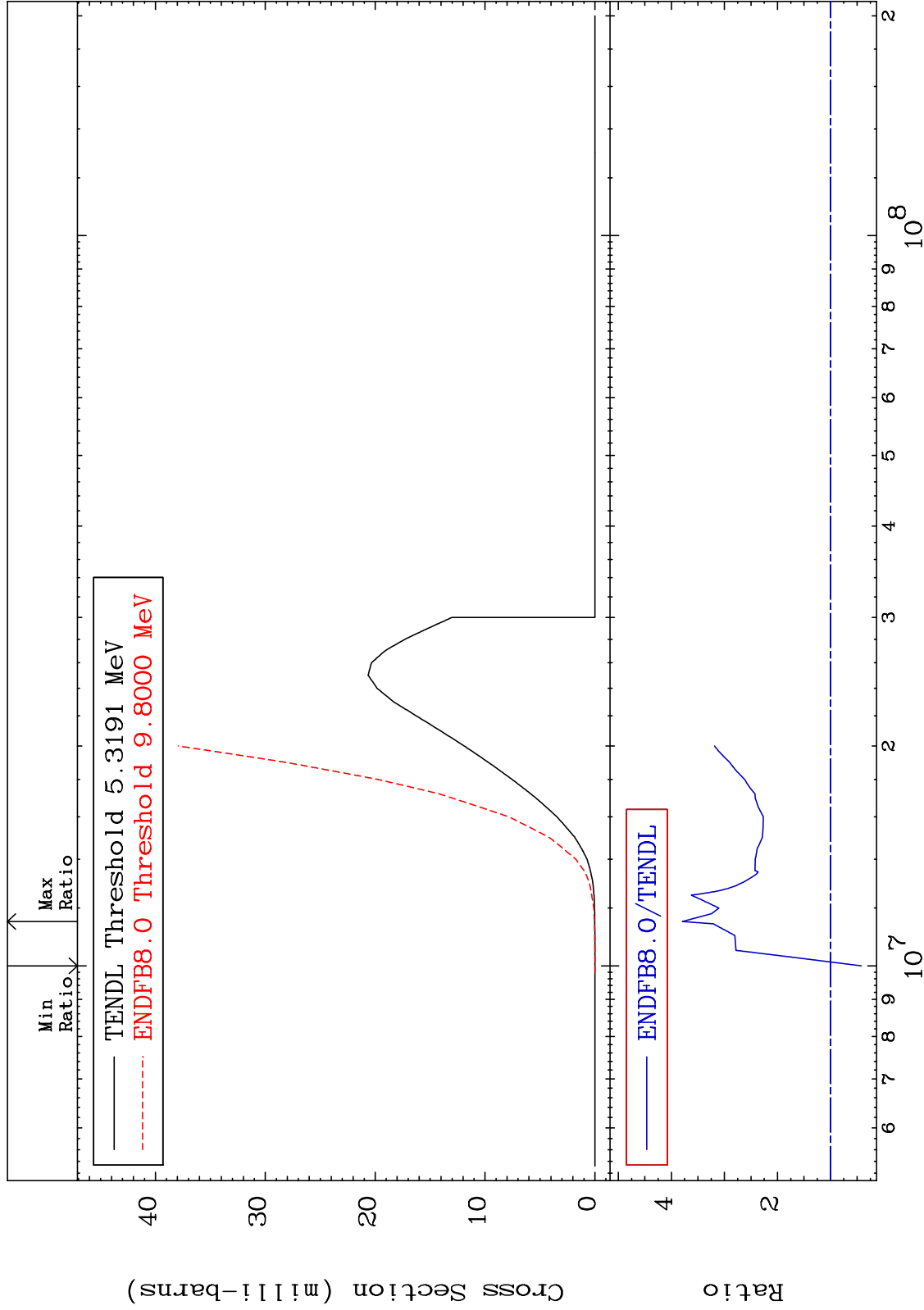
MAT 3131

(n,n')  $\alpha$

31-Ga-71

Cross Section

-57.90 To 279.1 %



6

Incident Energy (eV)

31-Ga-71

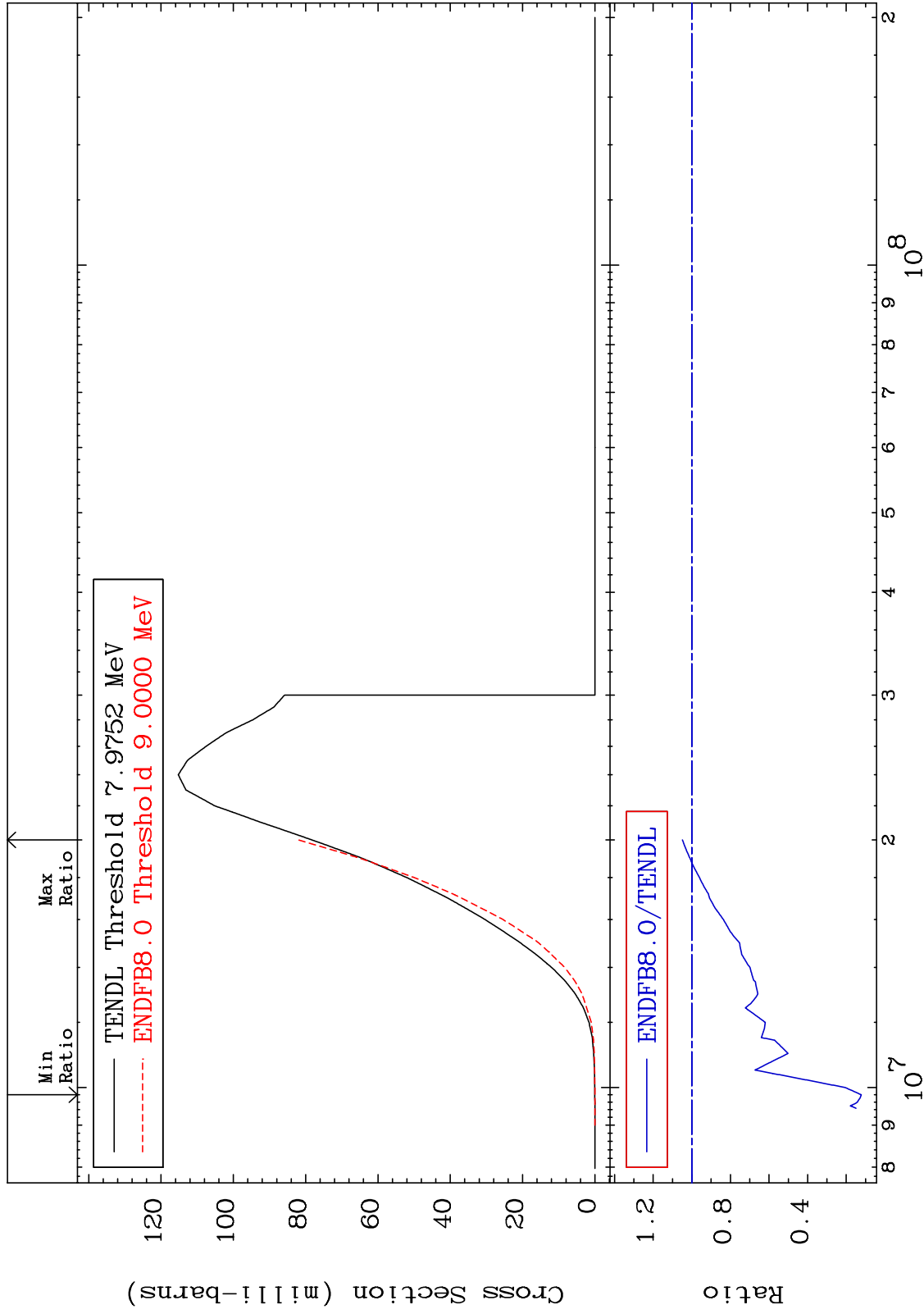
MAT 3131

(n,n') p

31-Ga-71

Cross Section

-87.79 To 4.825 %



7

Incident Energy (eV)

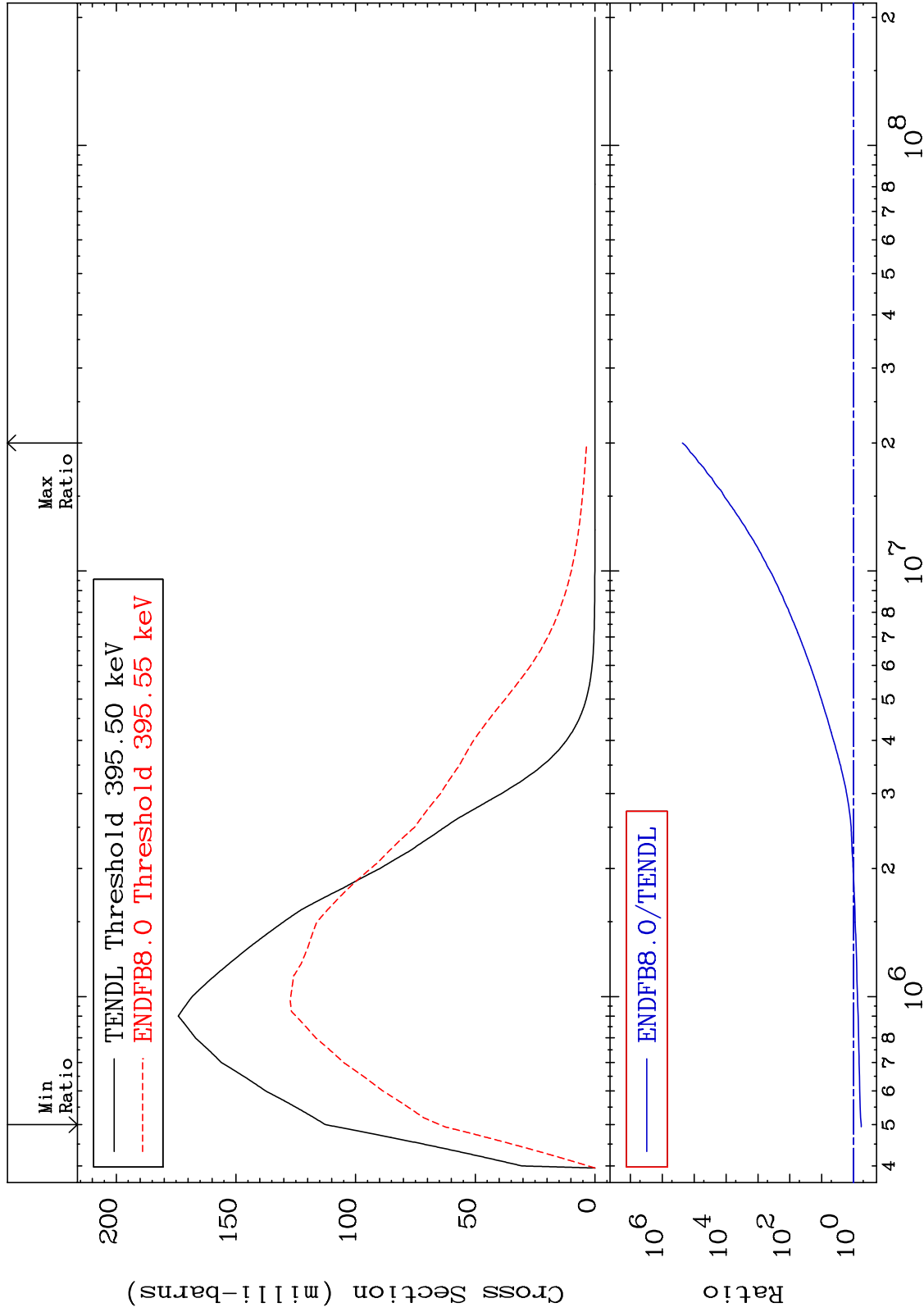
31-Ga-71



MAT 3131

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

31-Ga-71  
-42.47 To 9999. %

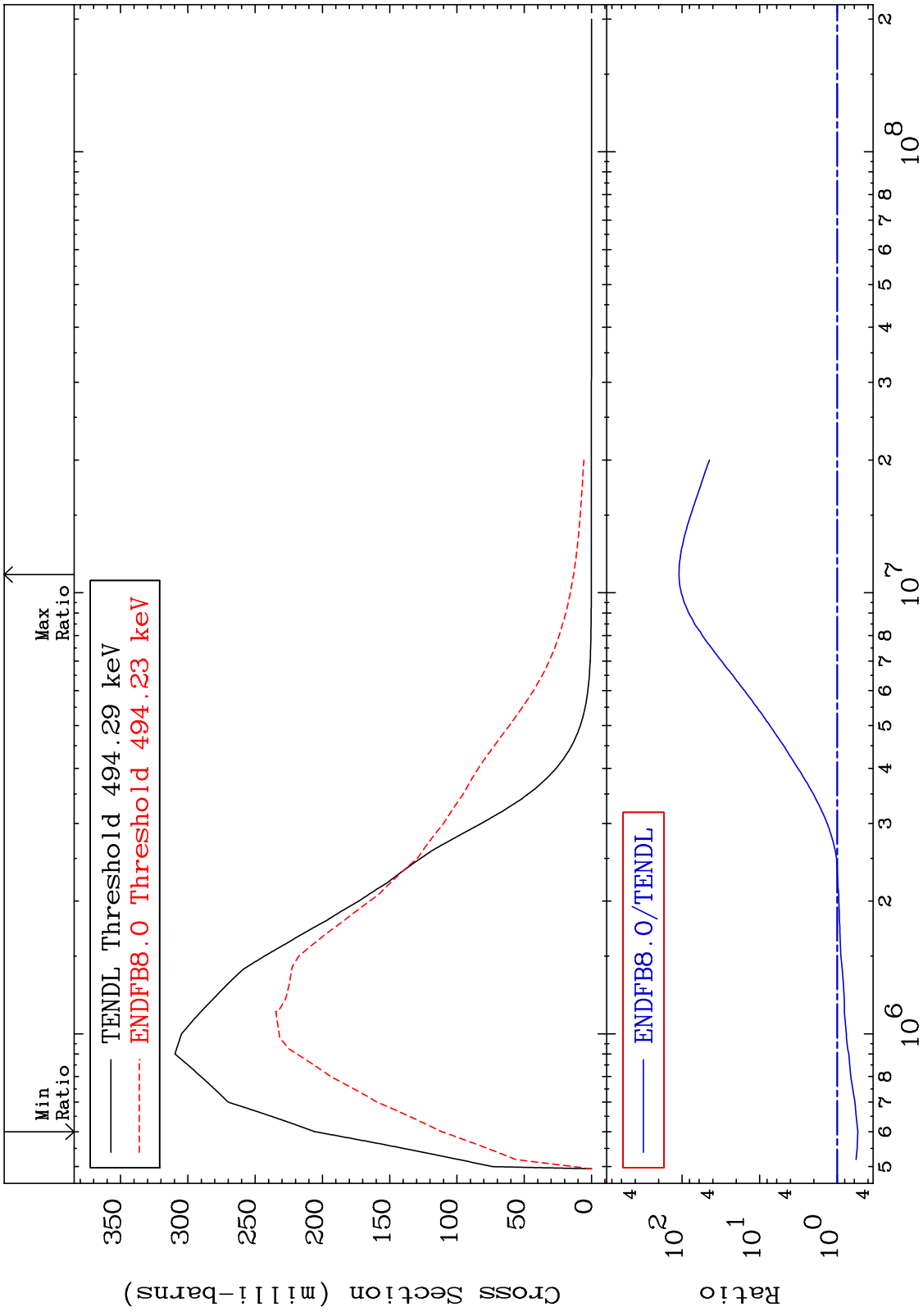


8

Incident Energy (eV)

31-Ga-71

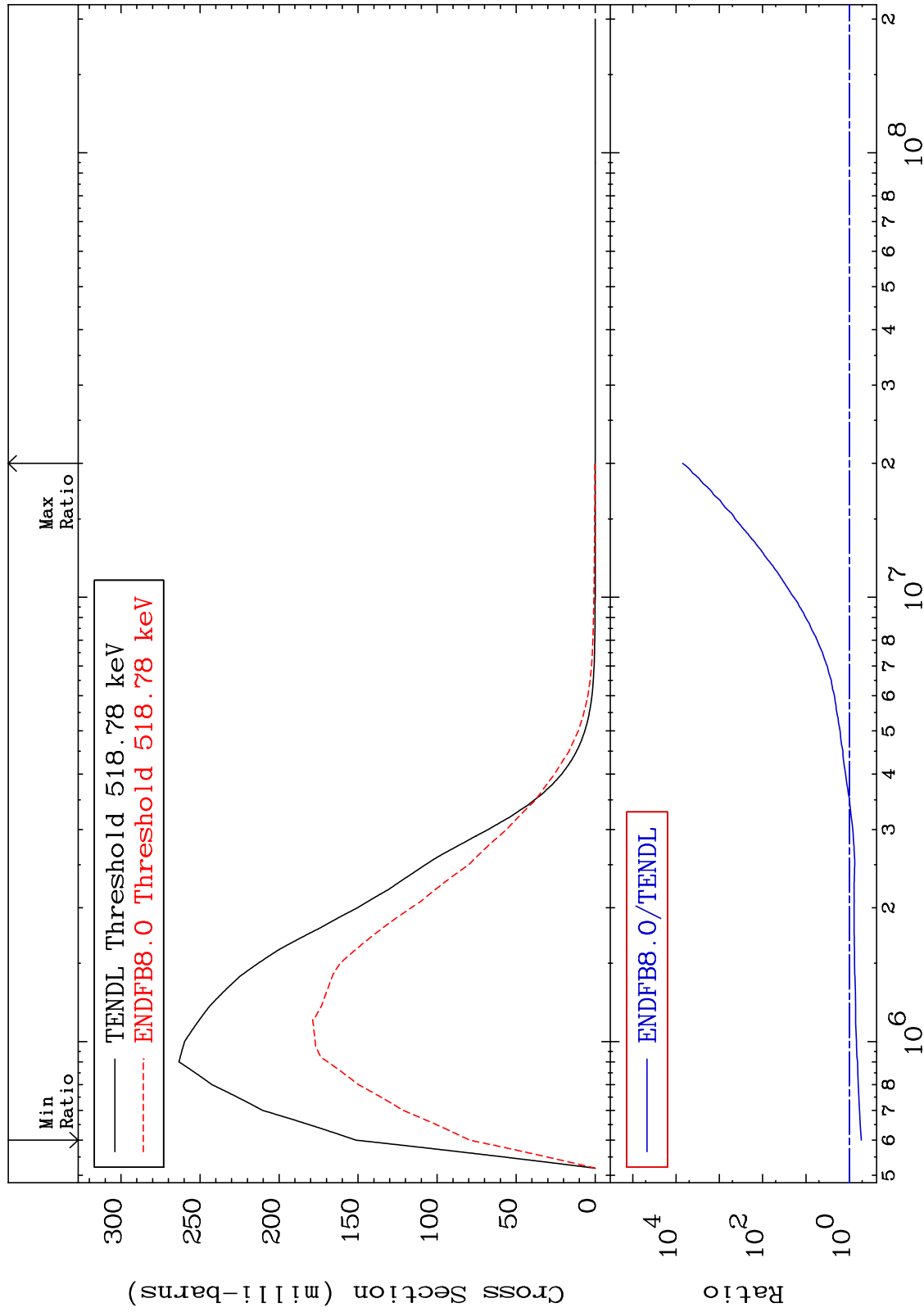
MAT 3131 MT= 52 (n,n') Level Cross Section -45.87 To 9999. % 31-Ga-71



MAT 3131

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

31-Ga-71  
-47.51 To 9999. %



10

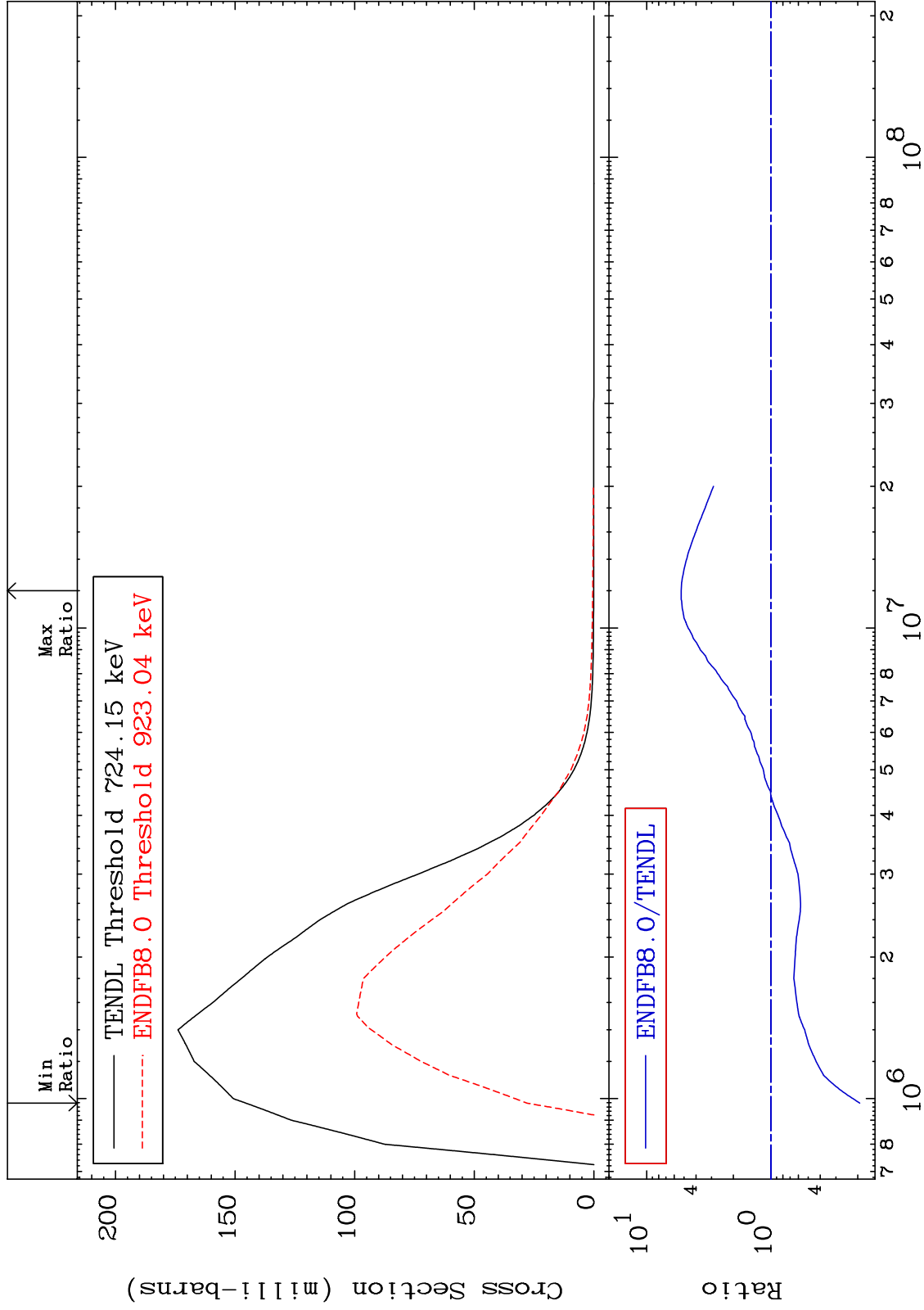
Incident Energy (eV)

31-Ga-71

MAT 3131

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

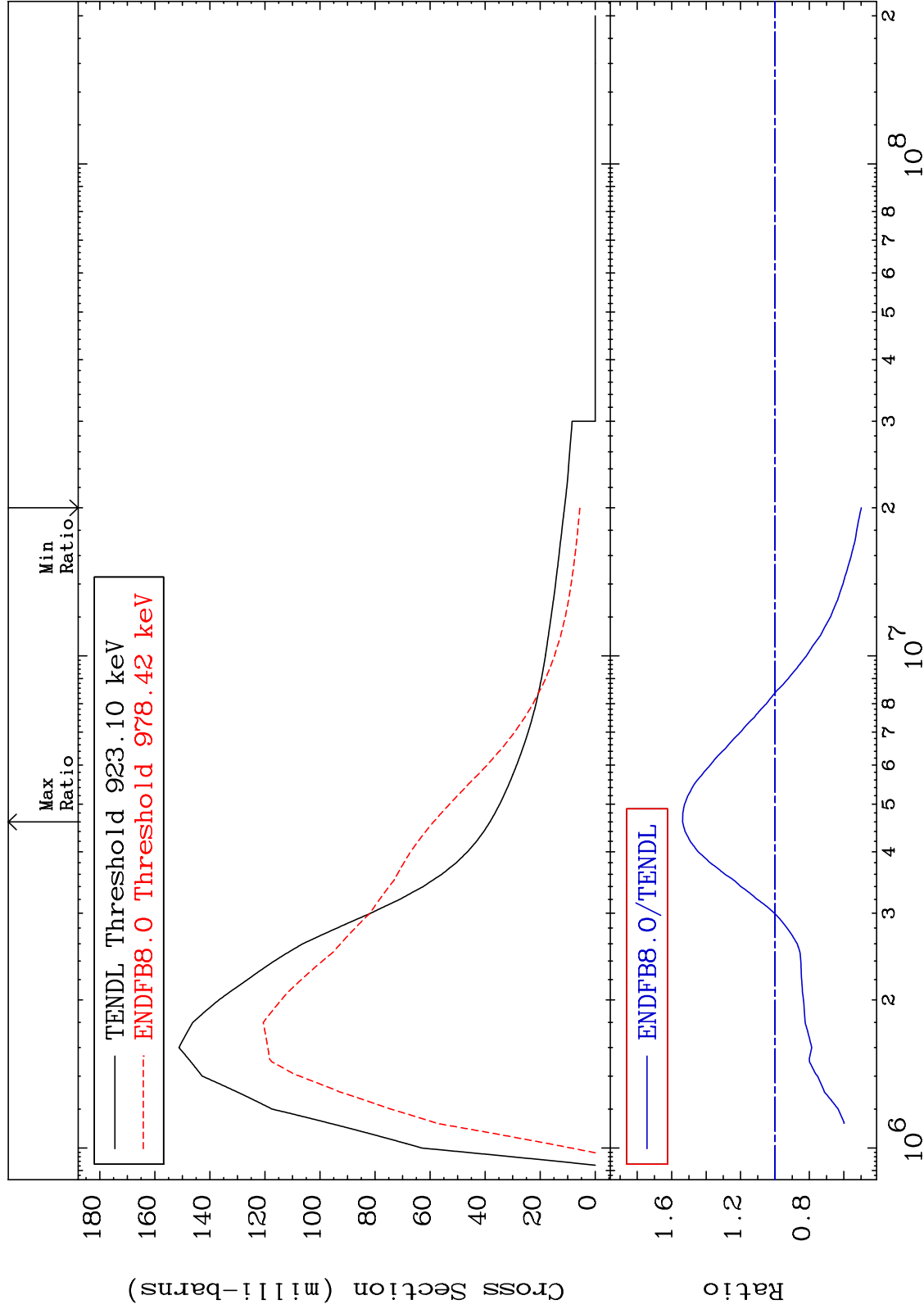
31-Ga-71  
-80.74 To 426.1 %



MAT 3131

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

31-Ga-71  
-50.17 To 53.61 %



12

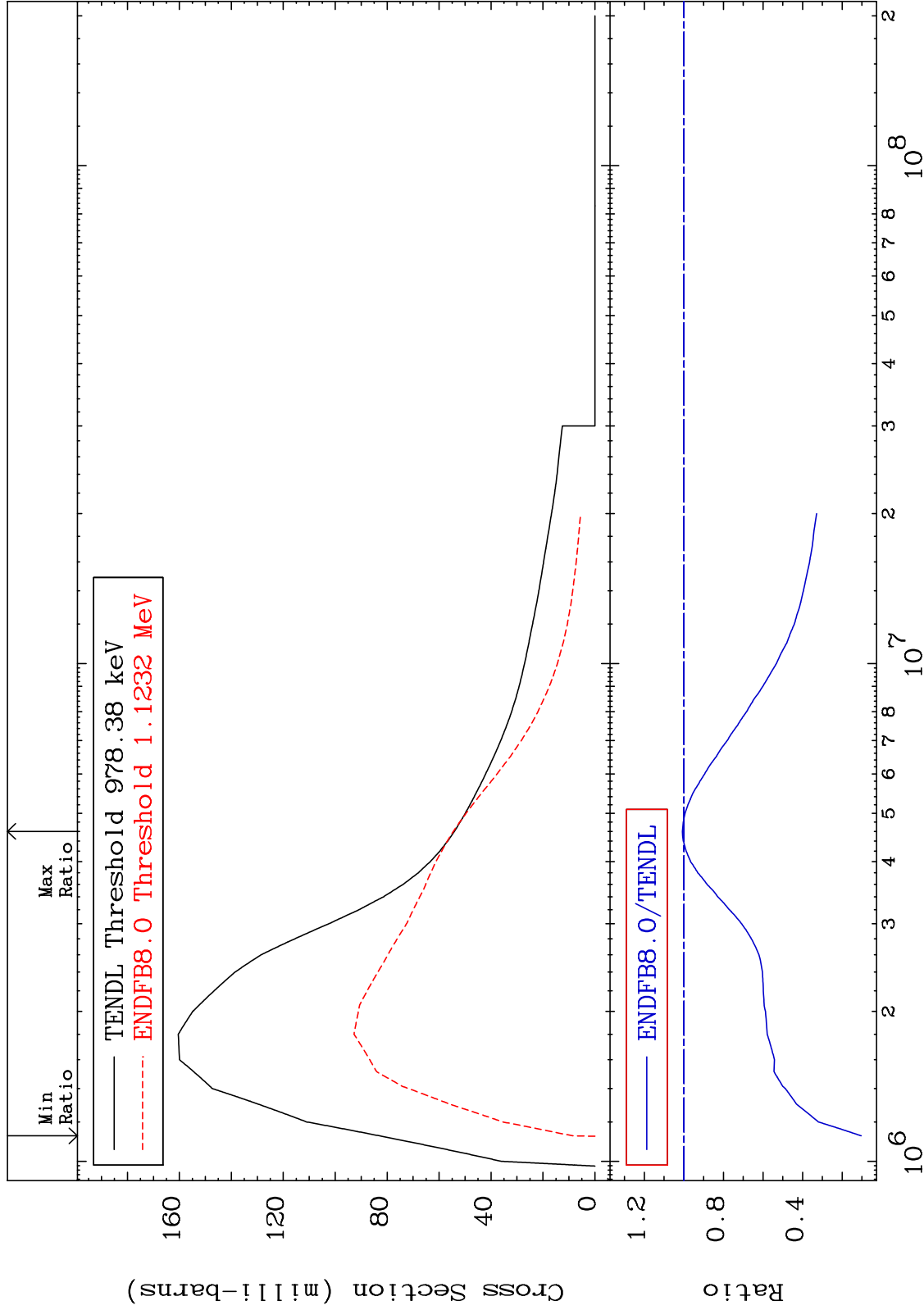
Incident Energy (eV)

31-Ga-71

MAT 3131

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

31-Ga-71  
-89.65 To 0.702 %

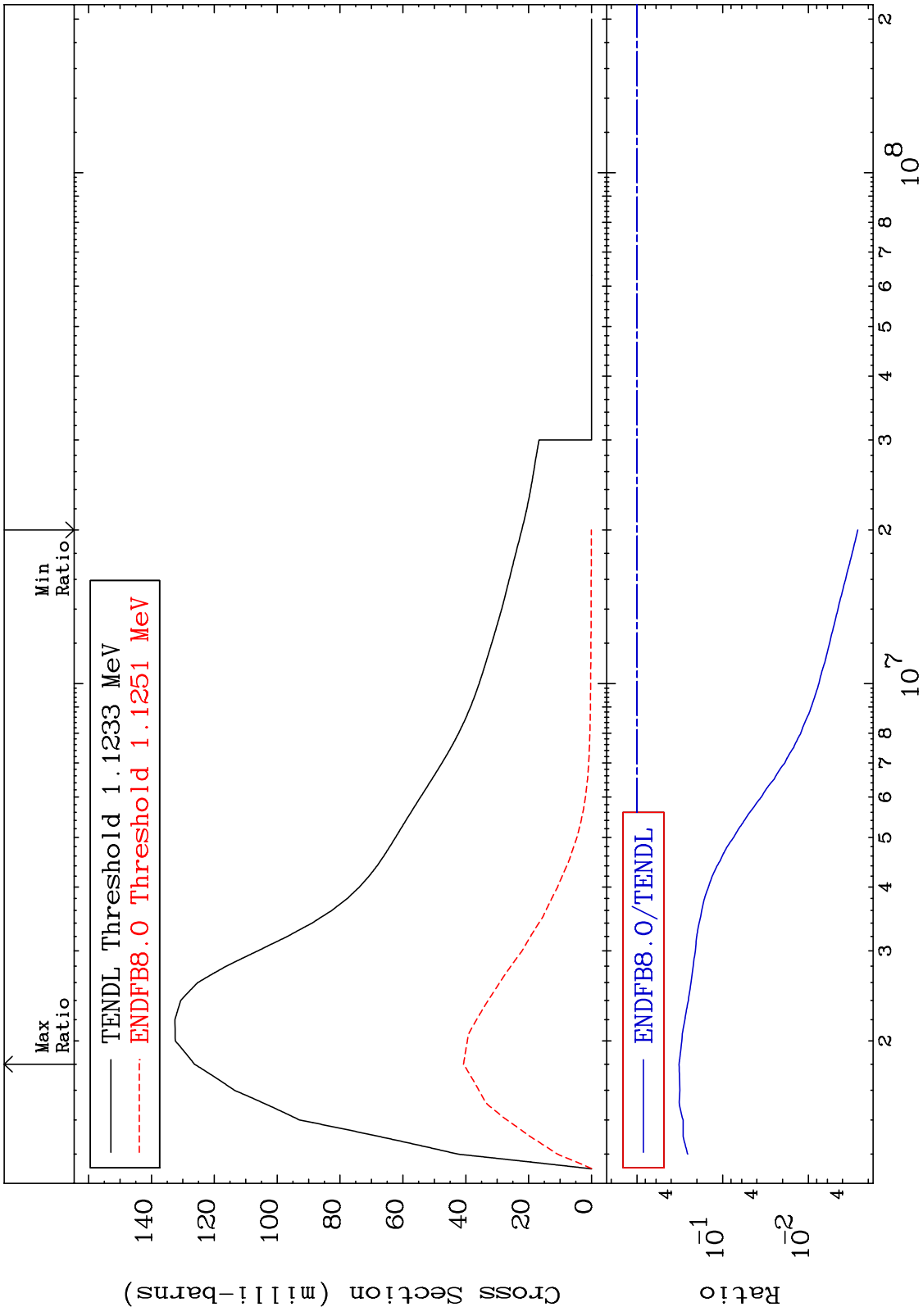


13

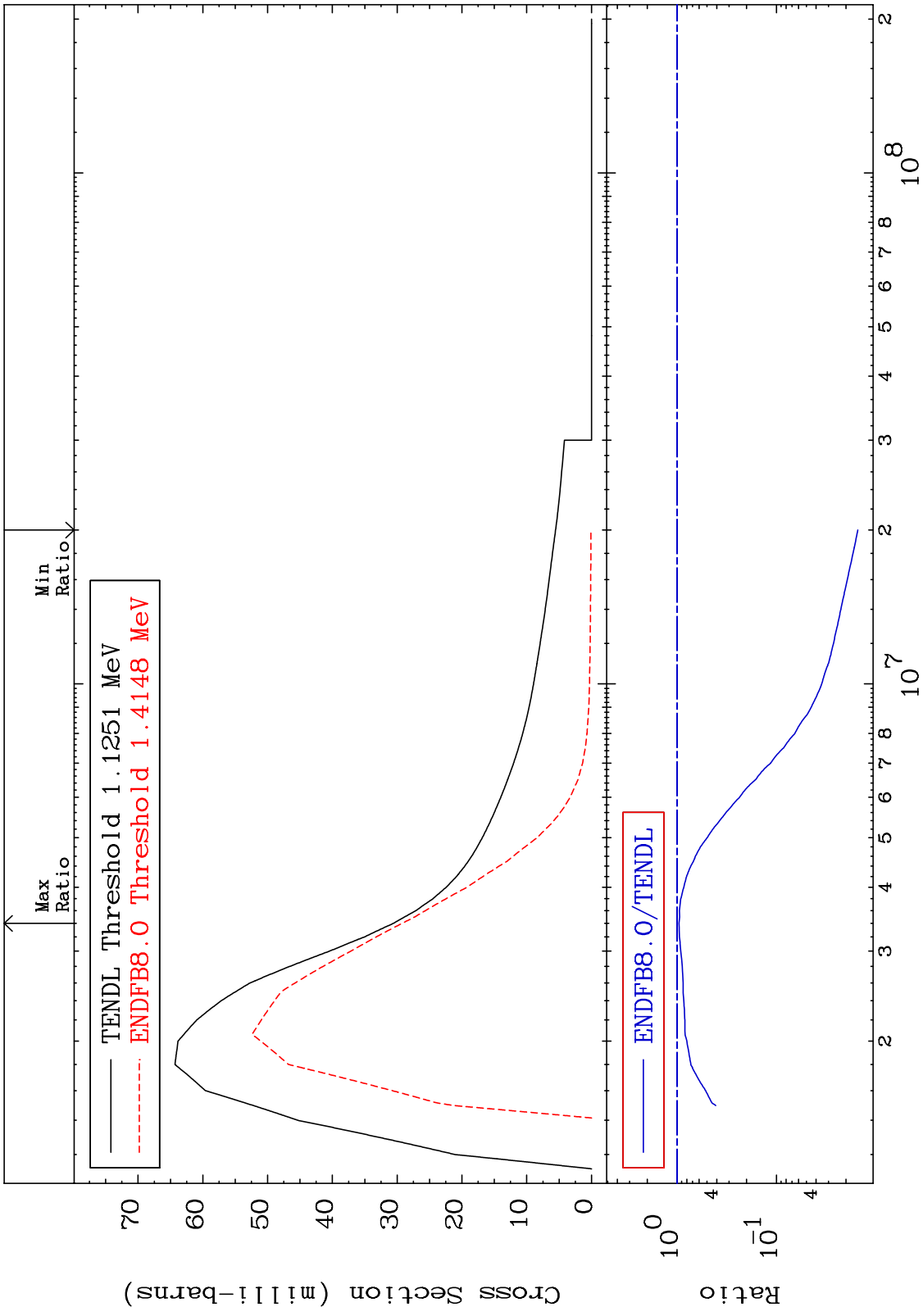
Incident Energy (eV)

31-Ga-71

MAT 3131 MT= 57 (n,n') Level Cross Section 31-Ga-71 -99.74 To -67.76%

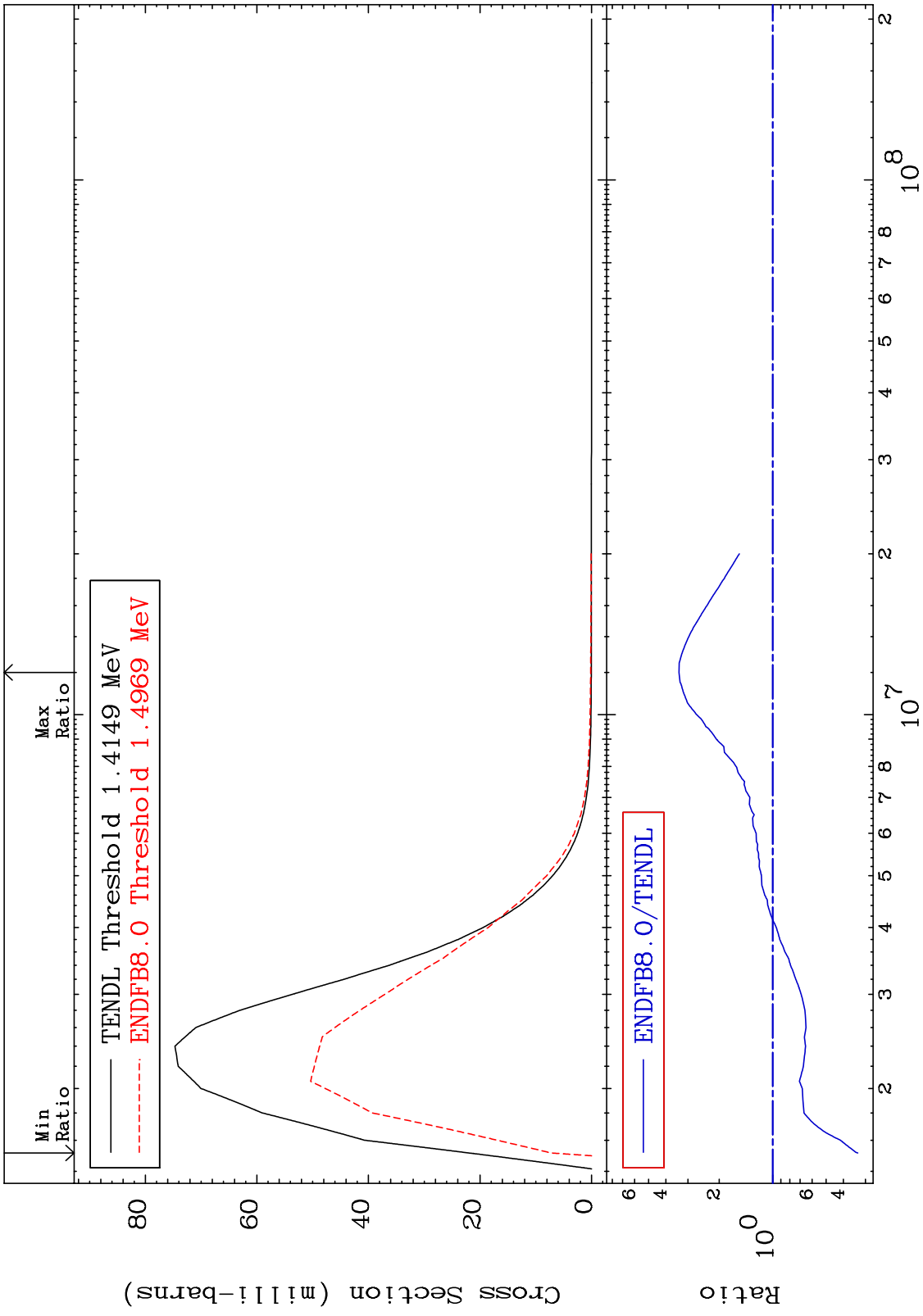


MAT 3131 MT= 58 (n,n') Level Cross Section 31-Ga-71 -98.48 To -4.370%





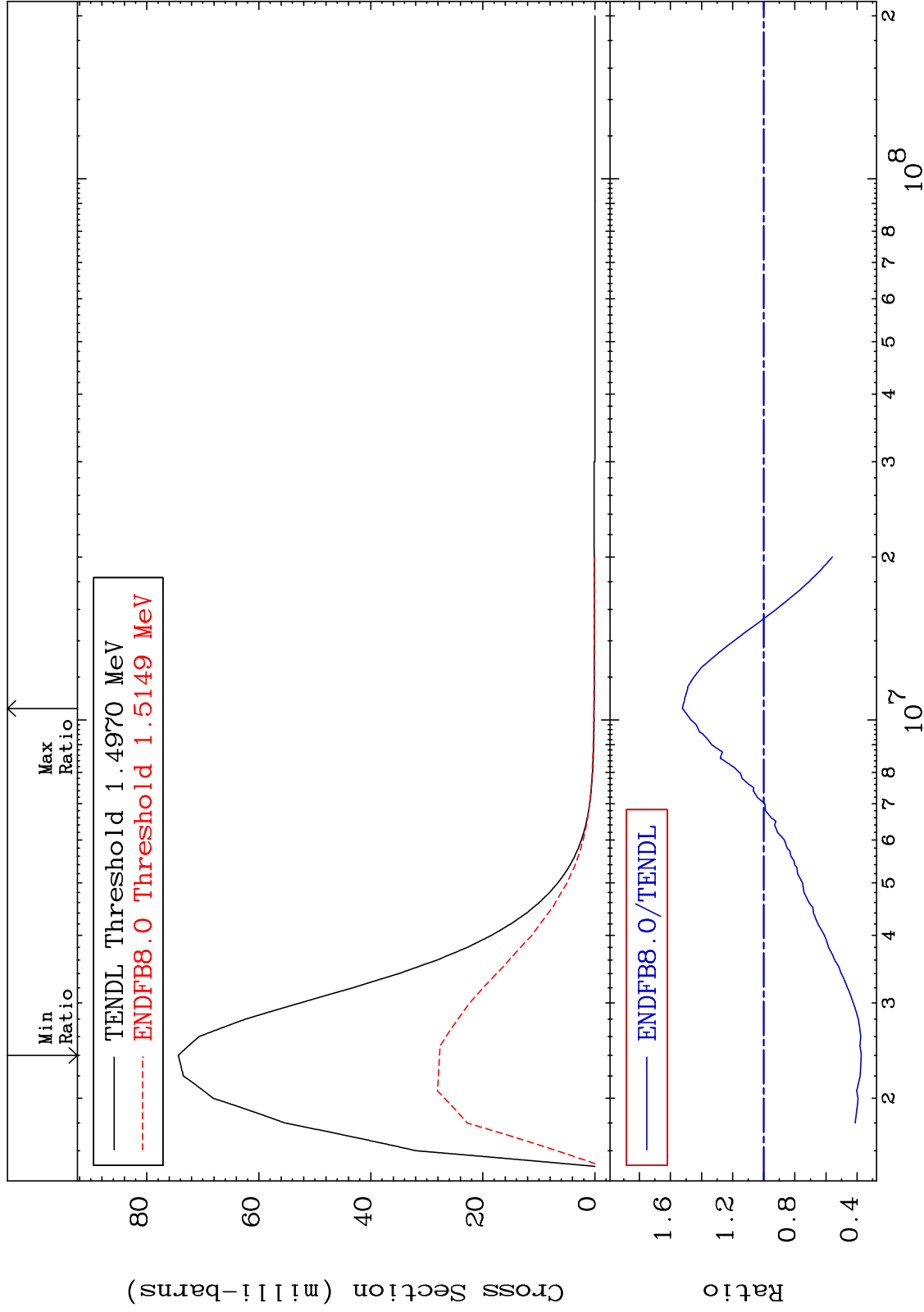
MAT 3131 MT= 59 (n,n') Level Cross Section -66.88 To 236.8 % 31-Ga-71



MAT 3131

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

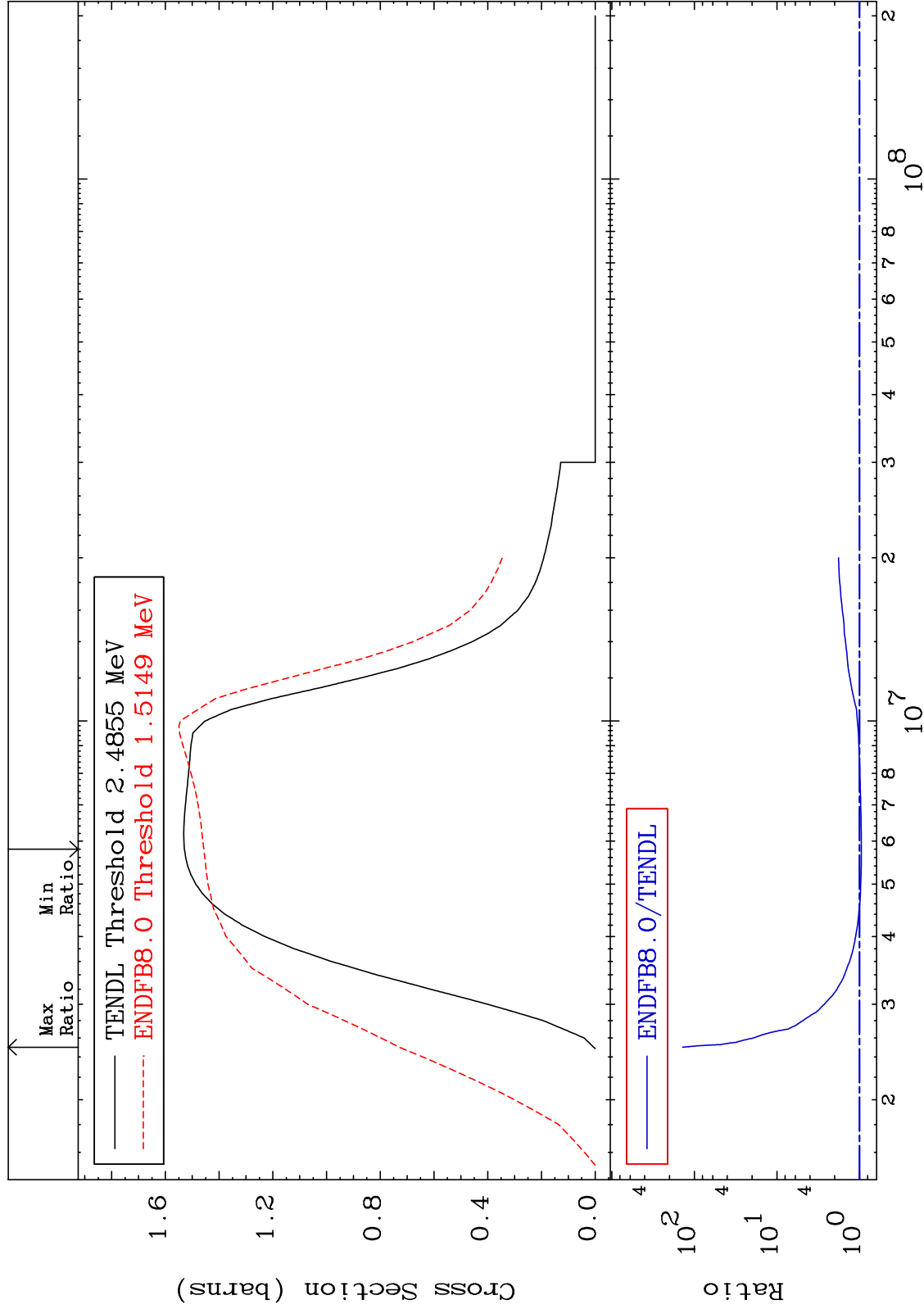
31-Ga-71  
-62.71 To 52.28 %



MAT 3131

(n, n') Continuum  
Cross Section

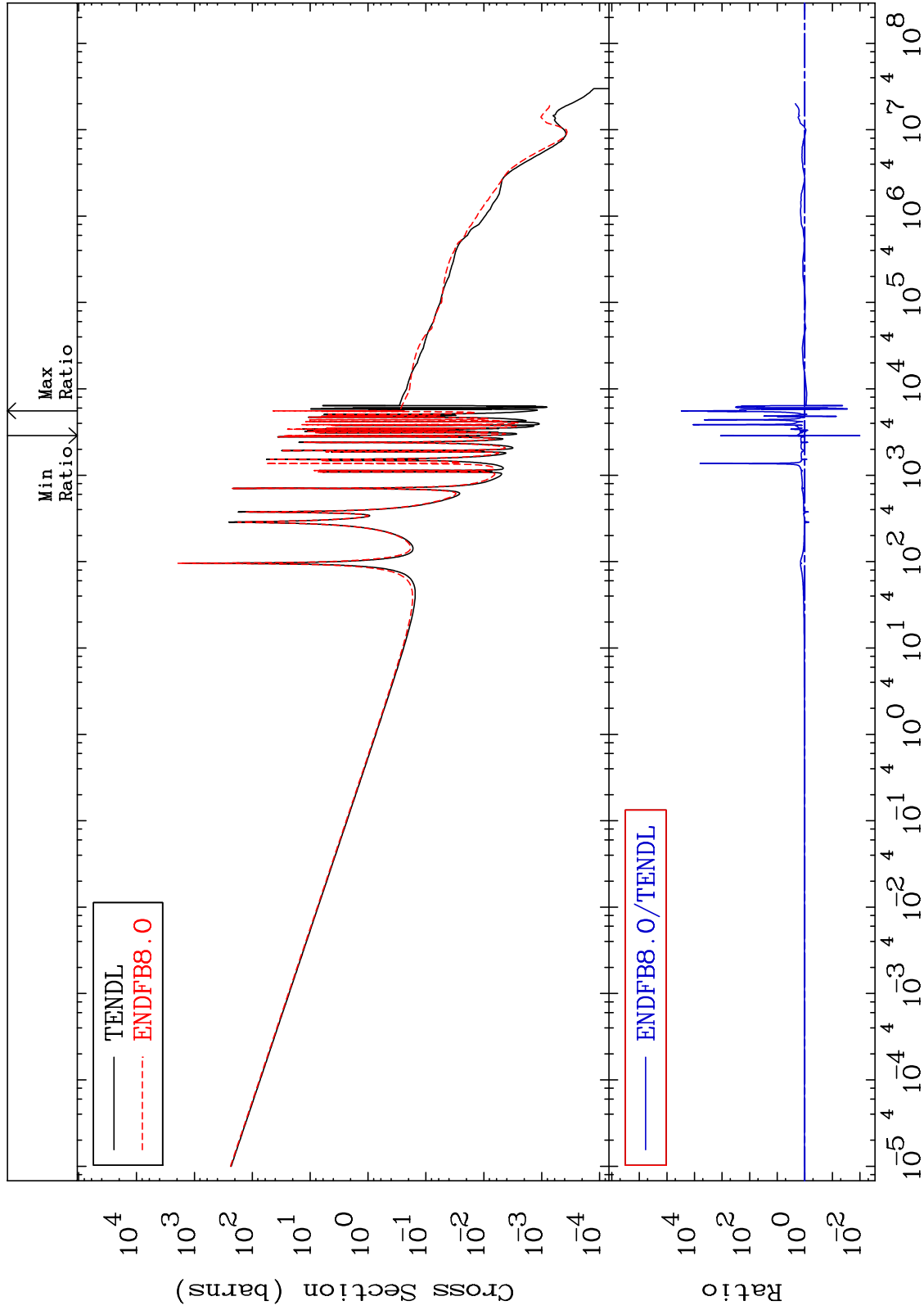
31-Ga-71  
-4.708 To 9999. %



MAT 3131

(n,  $\gamma$ )  
Cross Section

31-Ga-71  
-98.98 To 9999. %



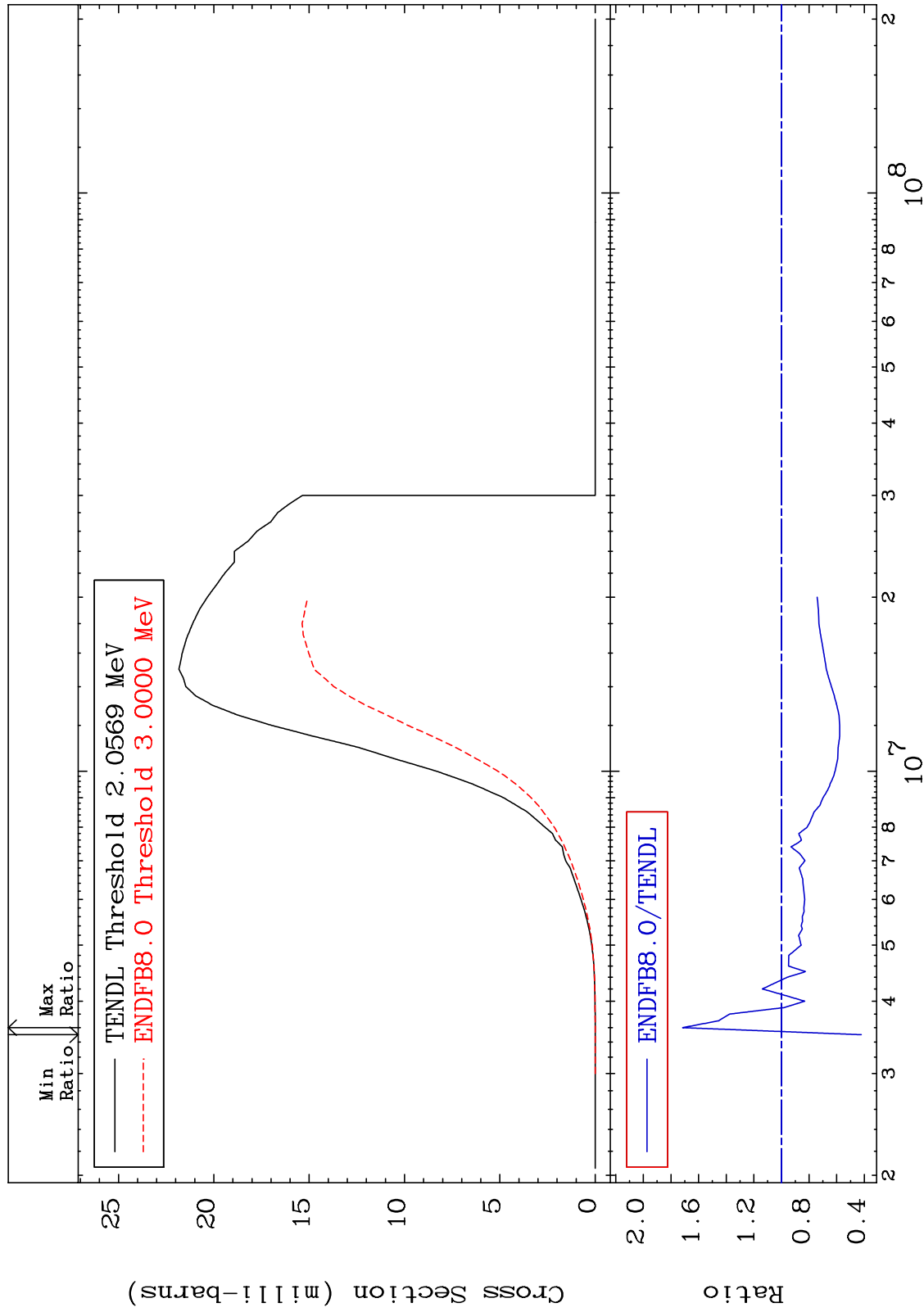
MAT 3131

(n,p)

31-Ga-71

Cross Section

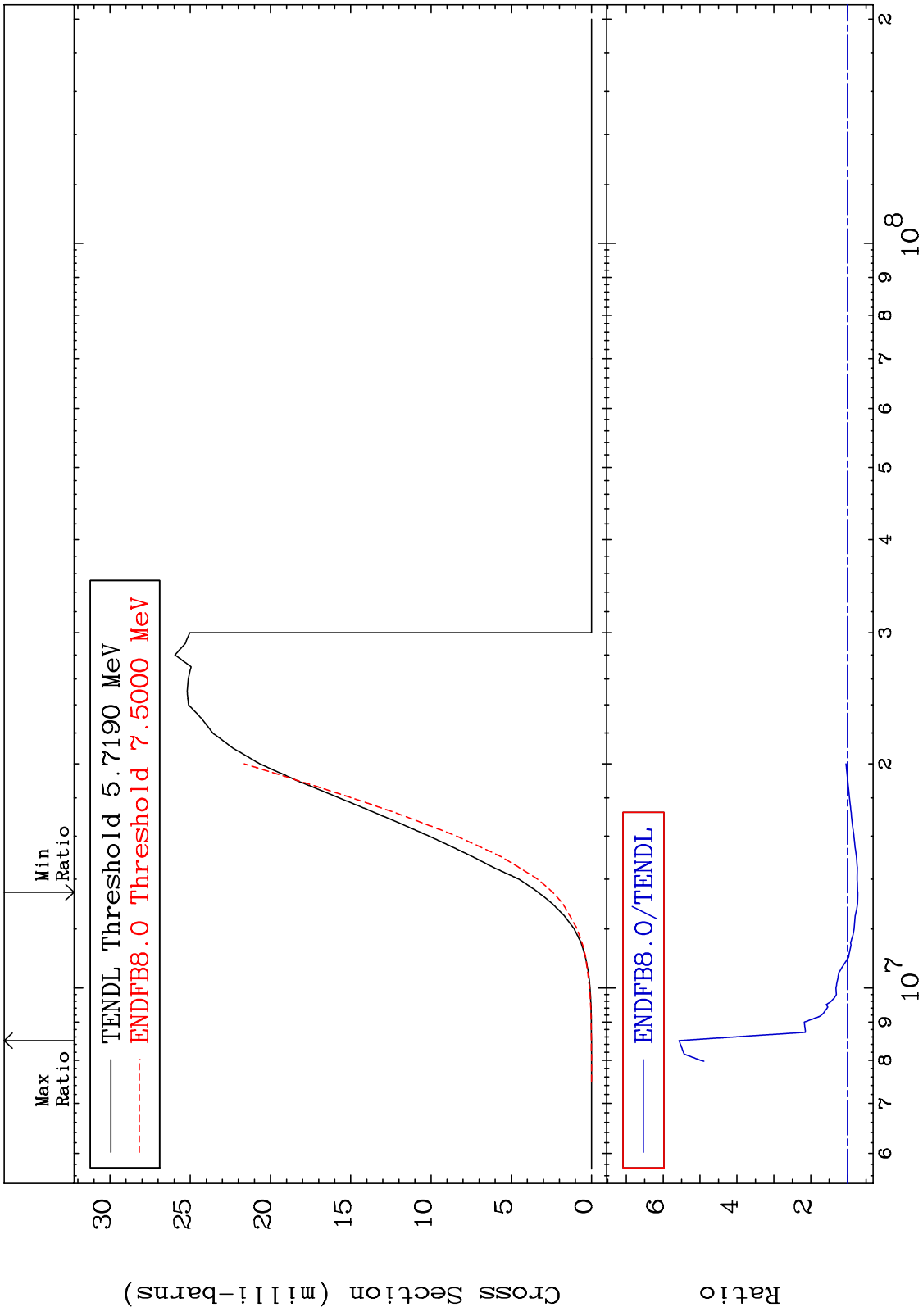
-57.84 To 71.51 %

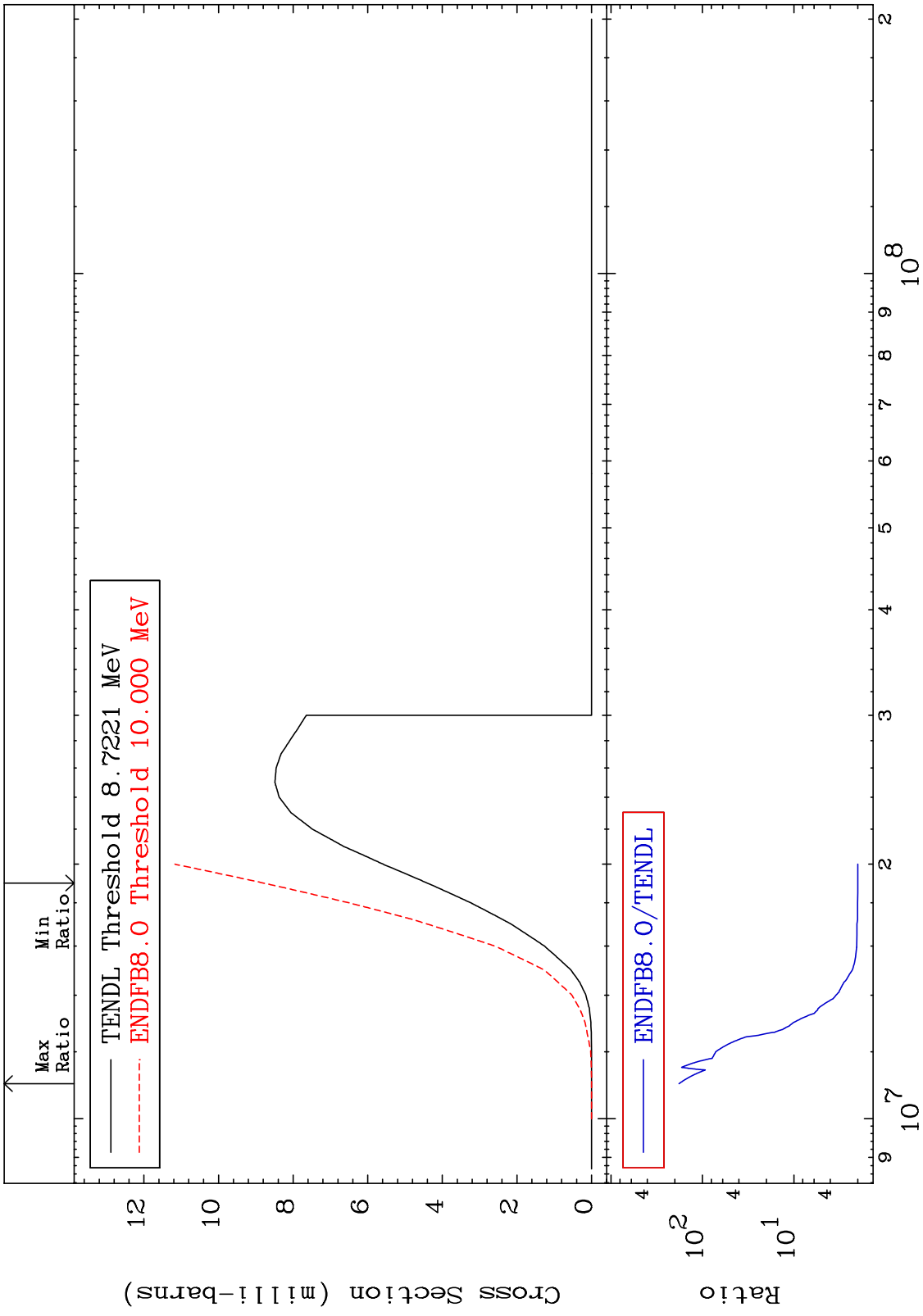


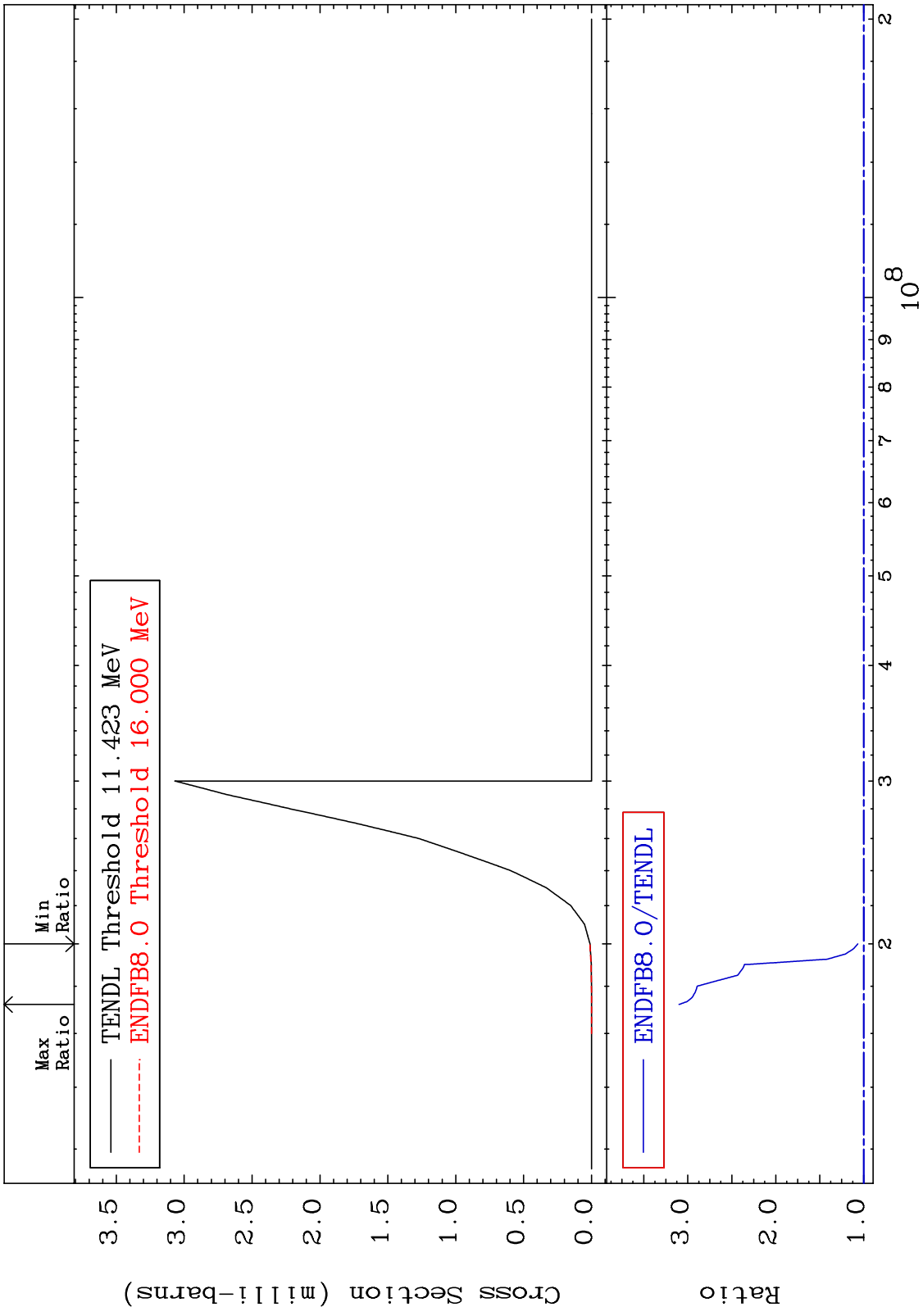
20

Incident Energy (eV)

31-Ga-71









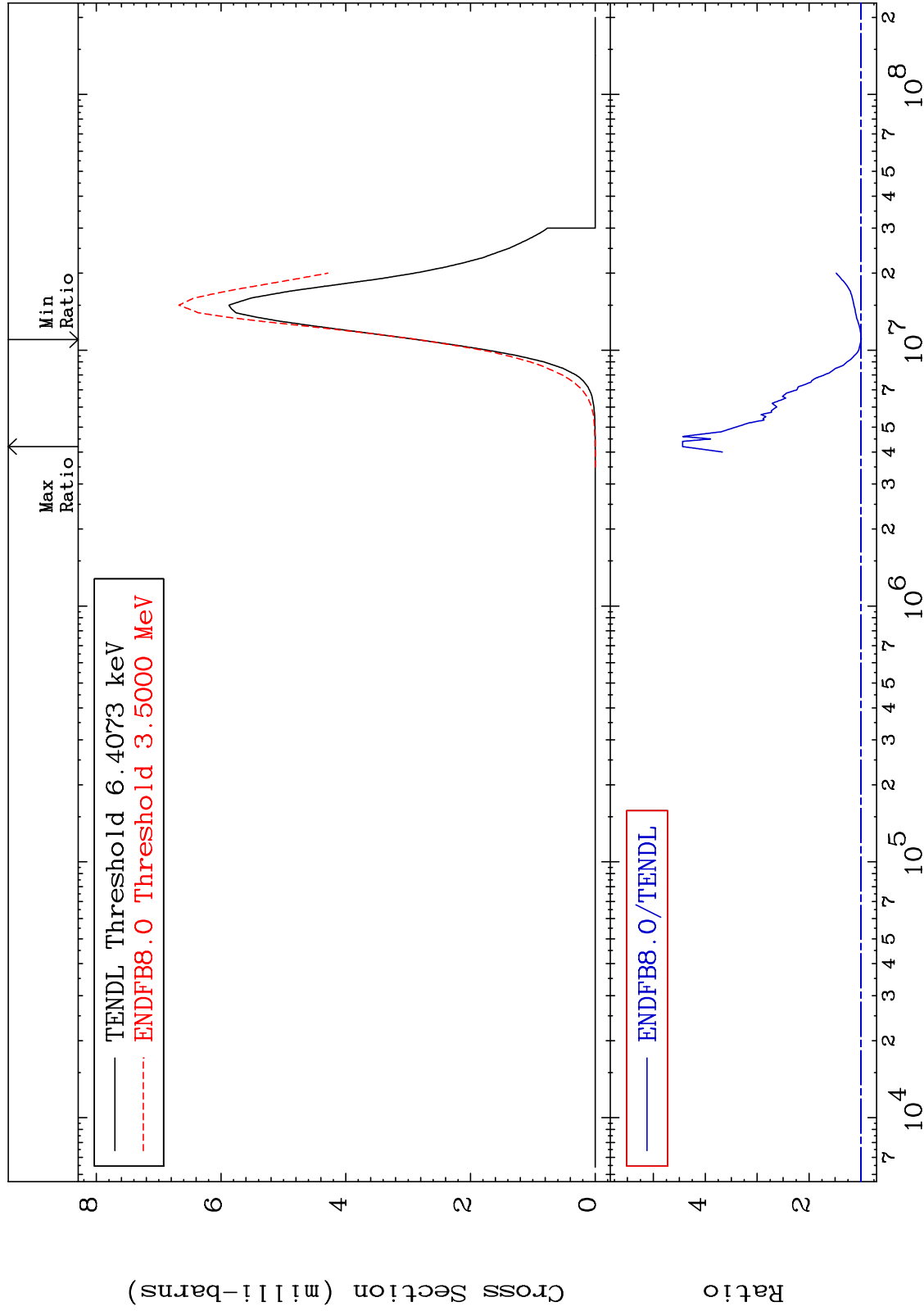
MAT 3131

(n,  $\alpha$ )

31-Ga-71

Cross Section

-0.732 To 343.6 %



24

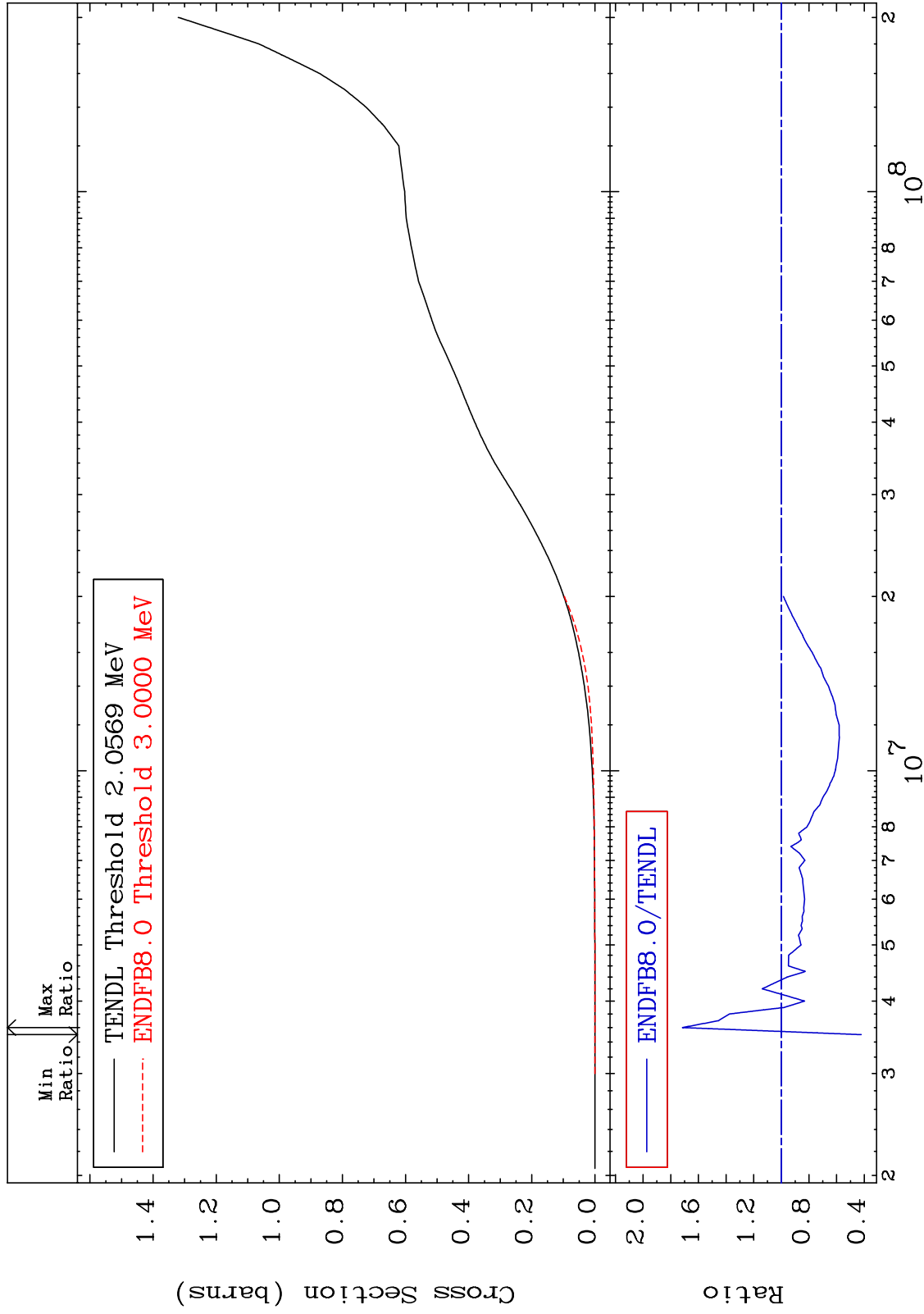
Incident Energy (eV)

31-Ga-71

MAT 3131

Hydrogen Production  
Cross Section

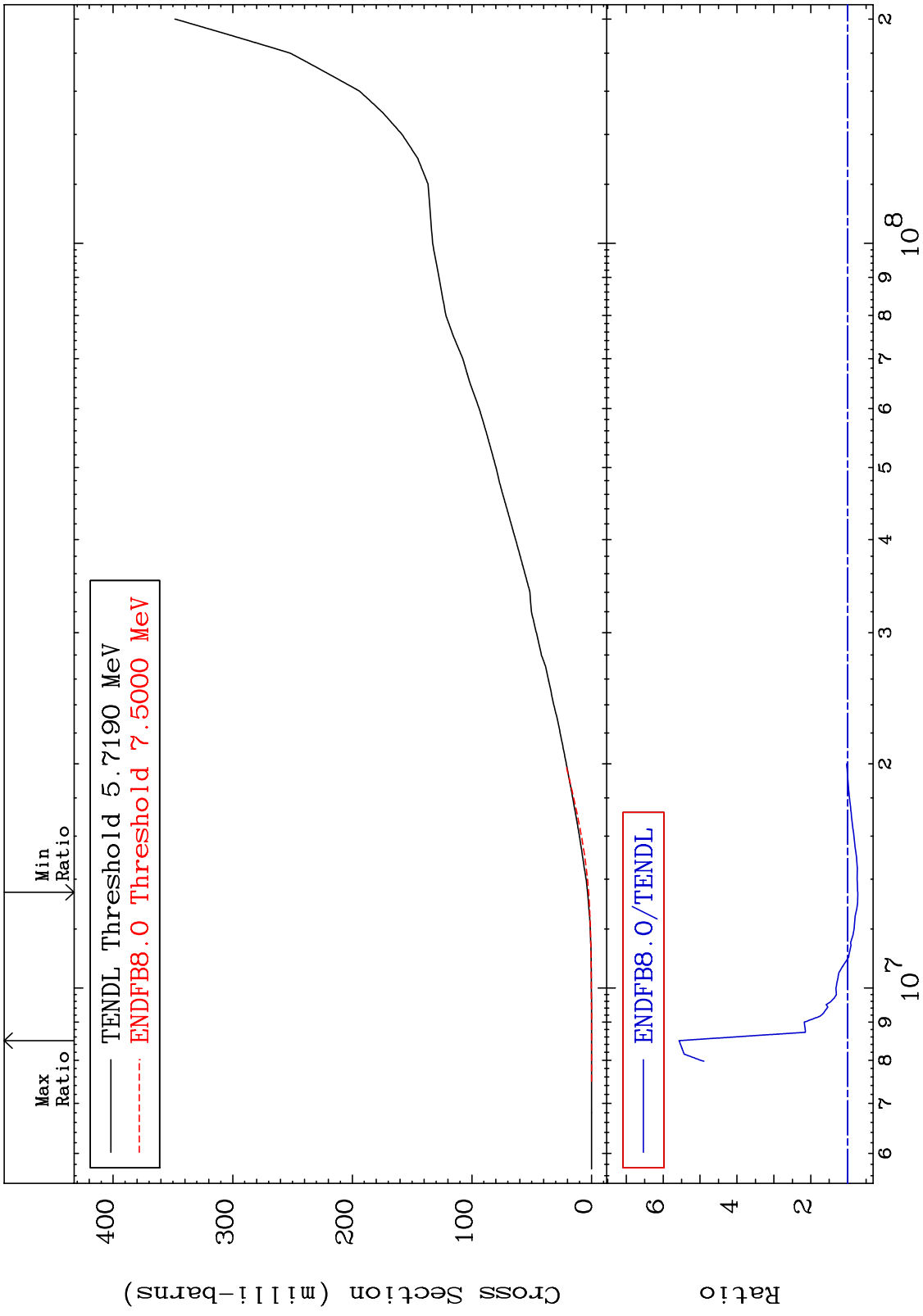
31-Ga-71  
-57.84 To 71.51 %



25

Incident Energy (eV)

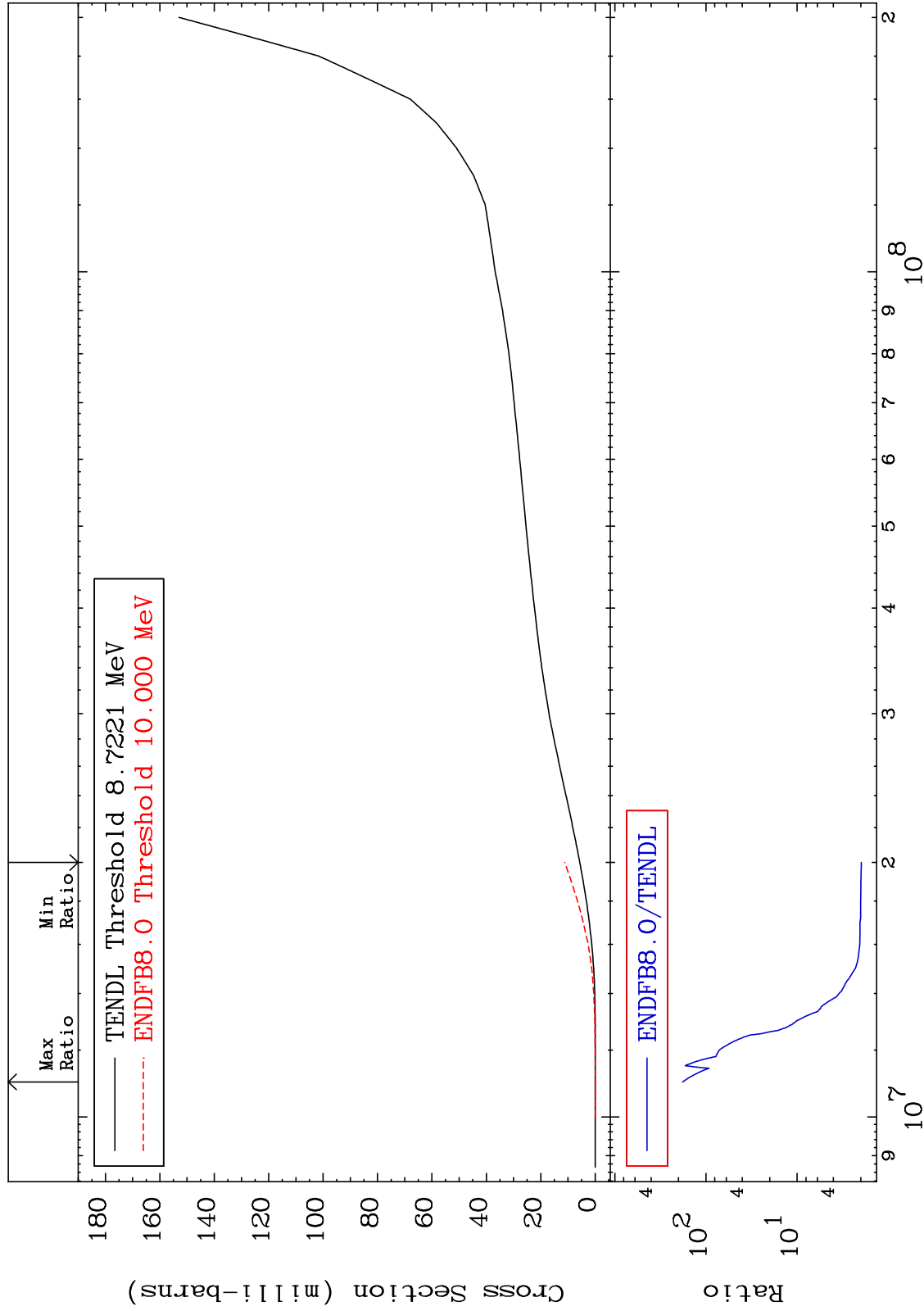
31-Ga-71



MAT 3131

Tritium Production  
Cross Section

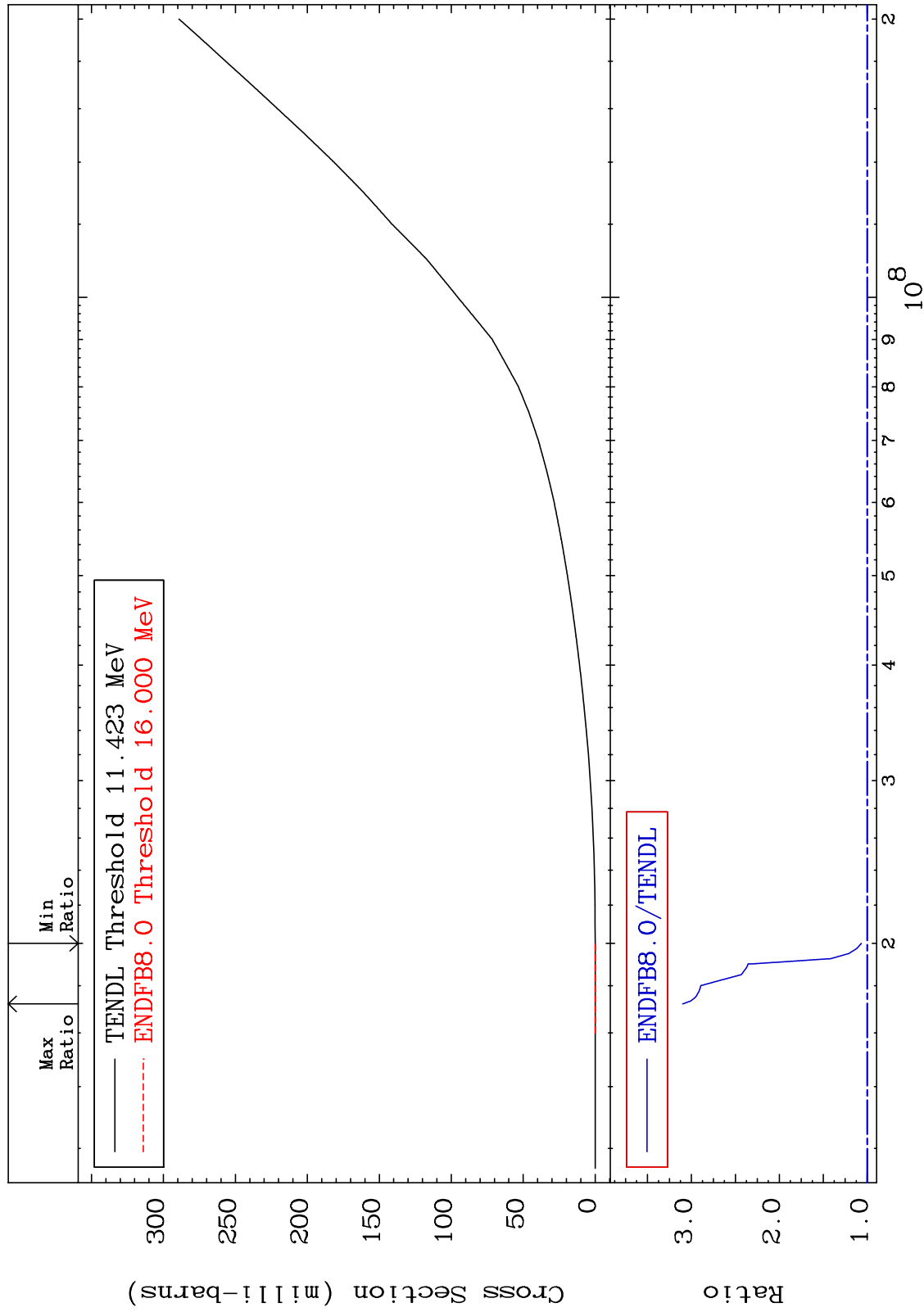
31-Ga-71  
97.38 To 9999. %



MAT 3131

He-3 Production  
Cross Section

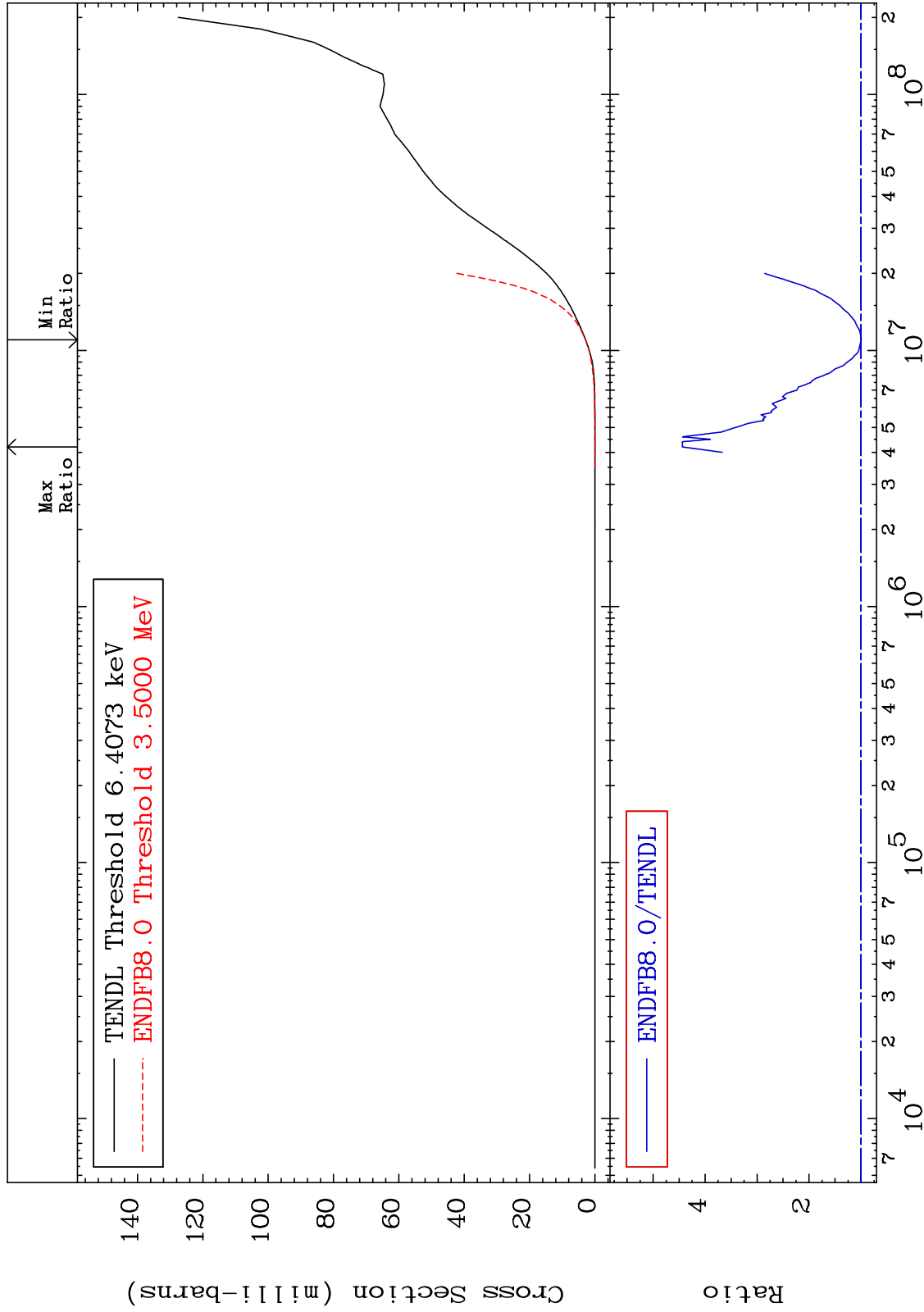
31-Ga-71  
6.630 To 210.0 %



MAT 3131

He-4 Production  
Cross Section

31-Ga-71  
-0.463 To 343.6 %



29

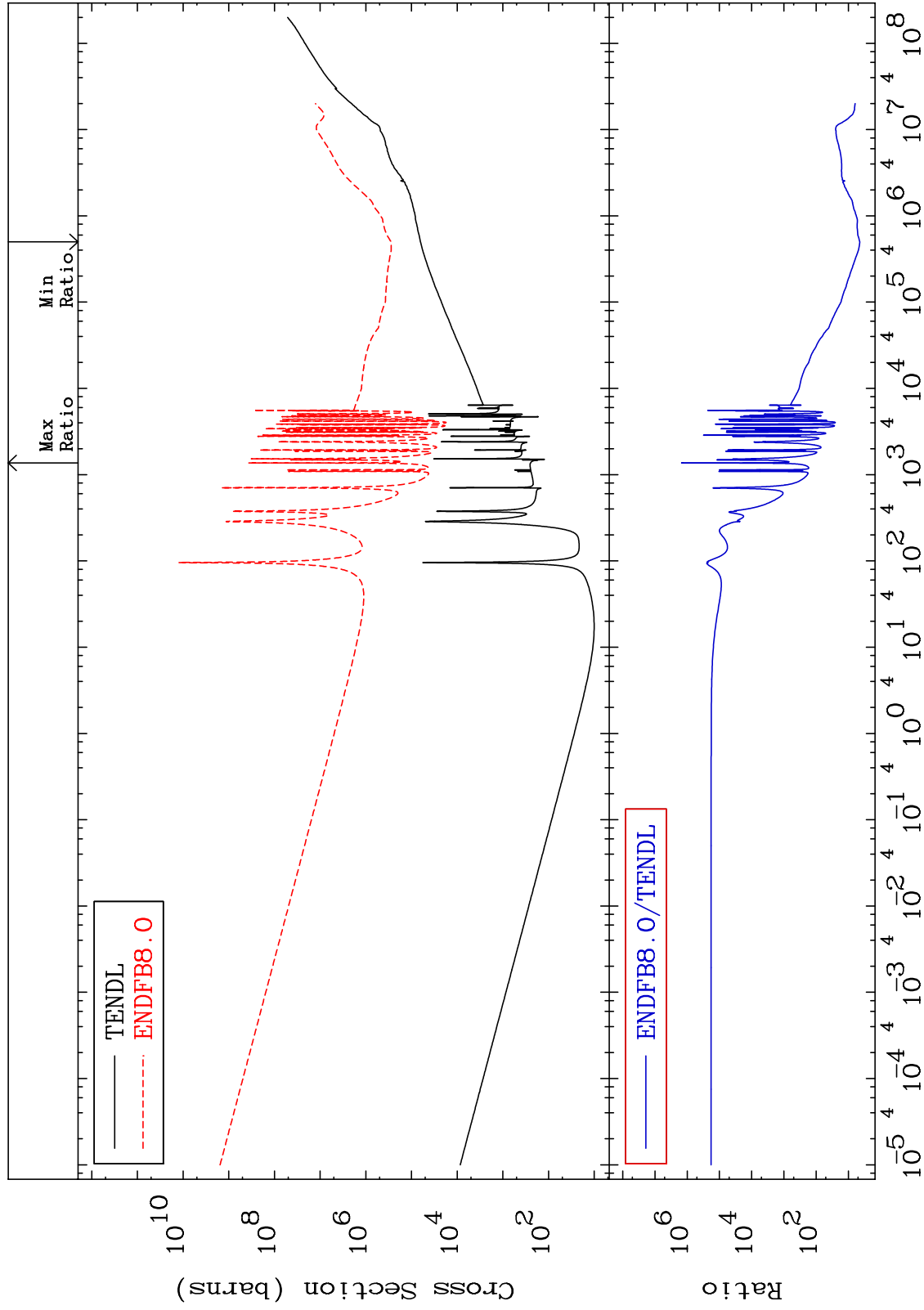
Incident Energy (eV)

31-Ga-71

MAT 3131

Kerma total (eV-barns)  
Cross Section

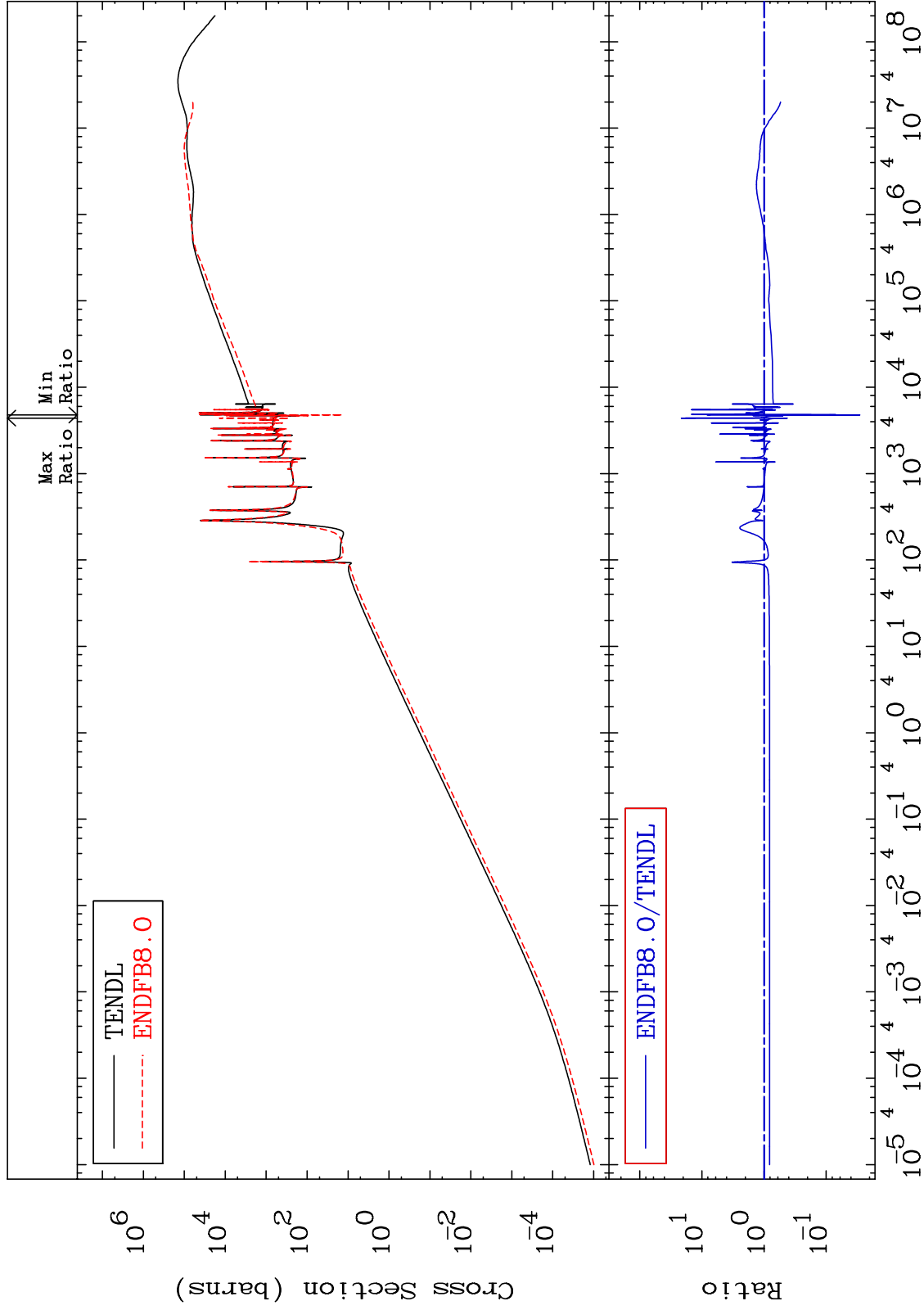
31-Ga-71  
340.7 To 9999. %



MAT 3131

Kerma elastic  
Cross Section

31-Ga-71  
-97.12 To 2046. %



31

Incident Energy (eV)

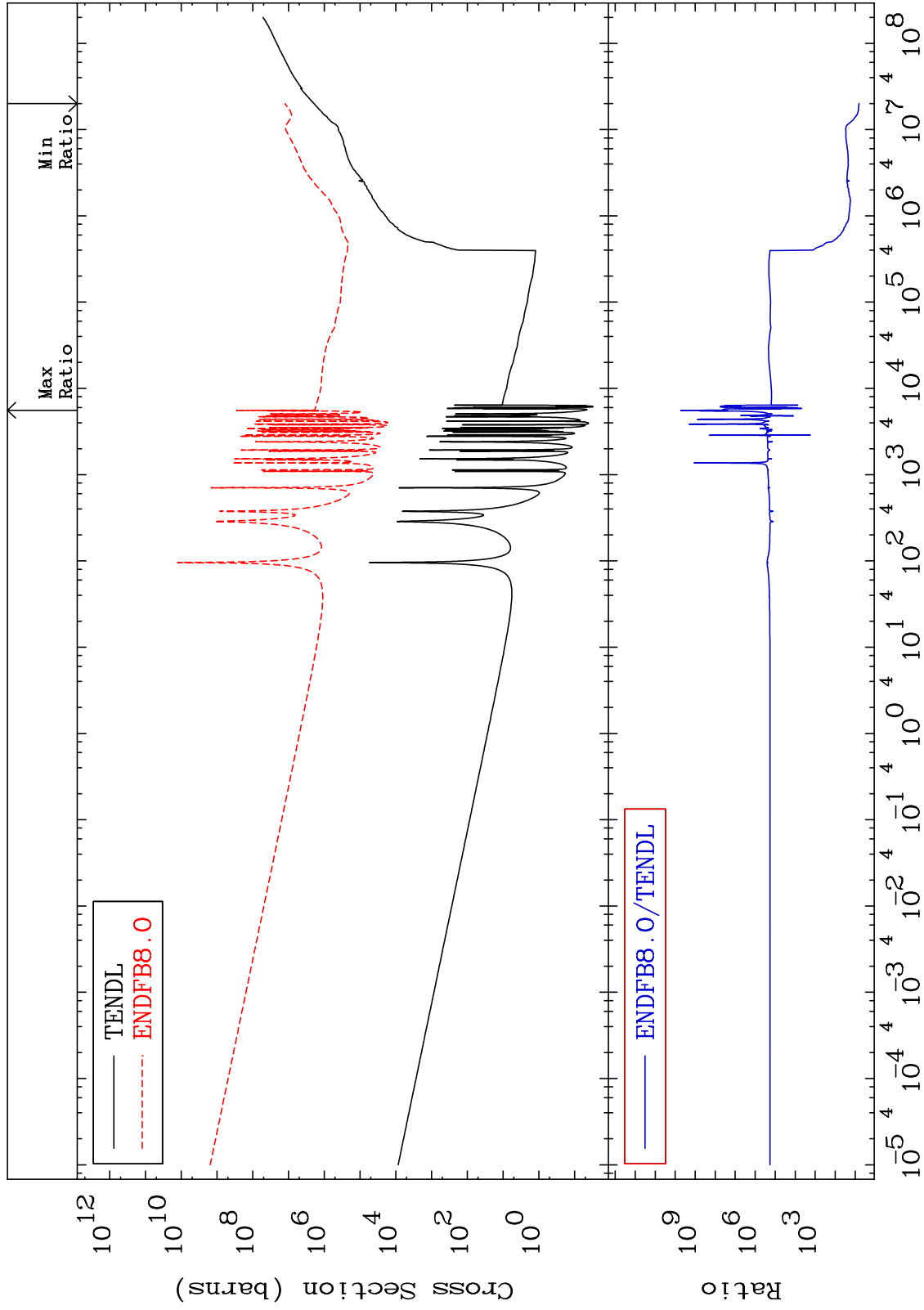
31-Ga-71

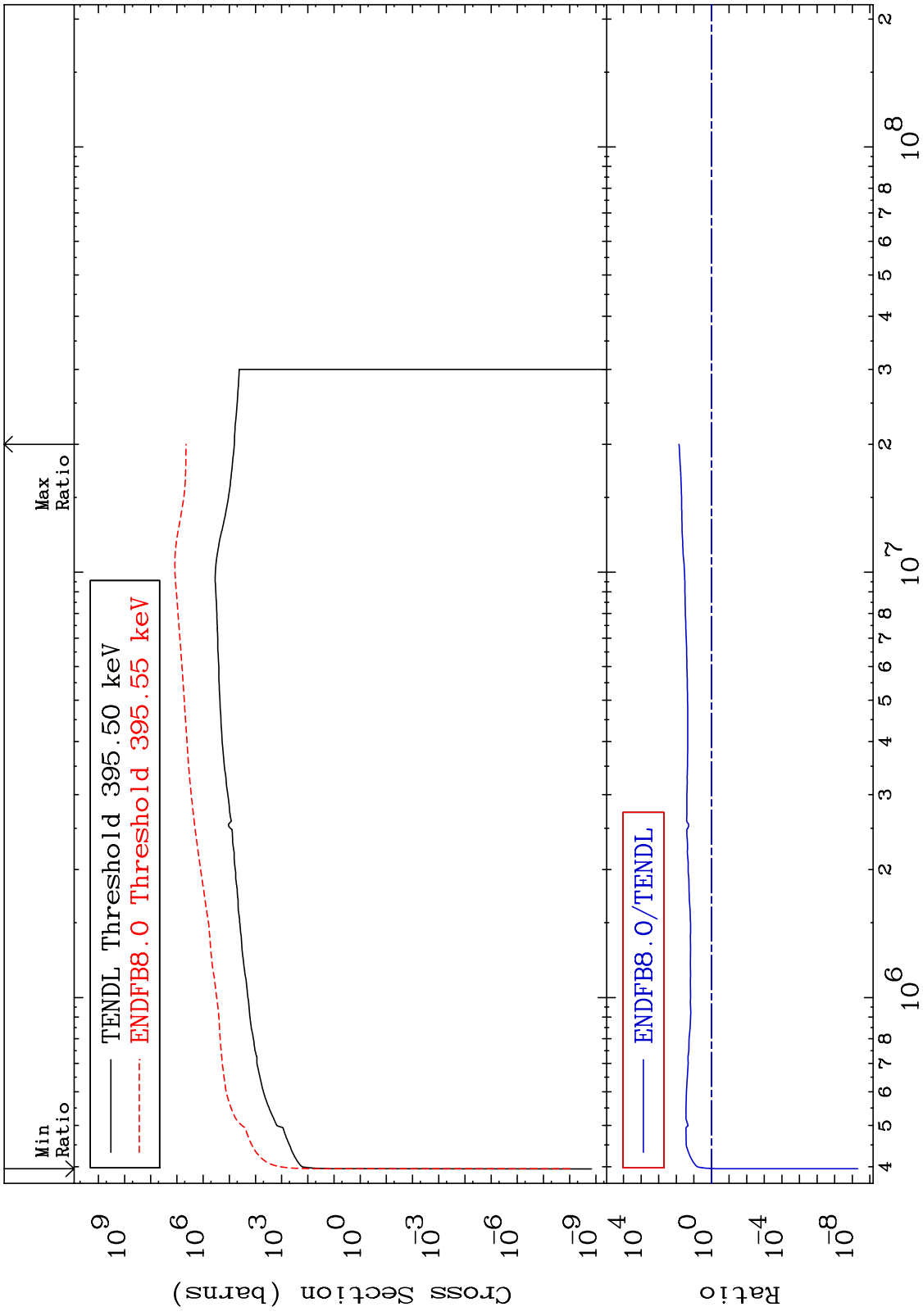


MAT 3131

Kerma non-elastic (all but mt2)  
Cross Section

31-Ga-71  
548.8 To 9999. %

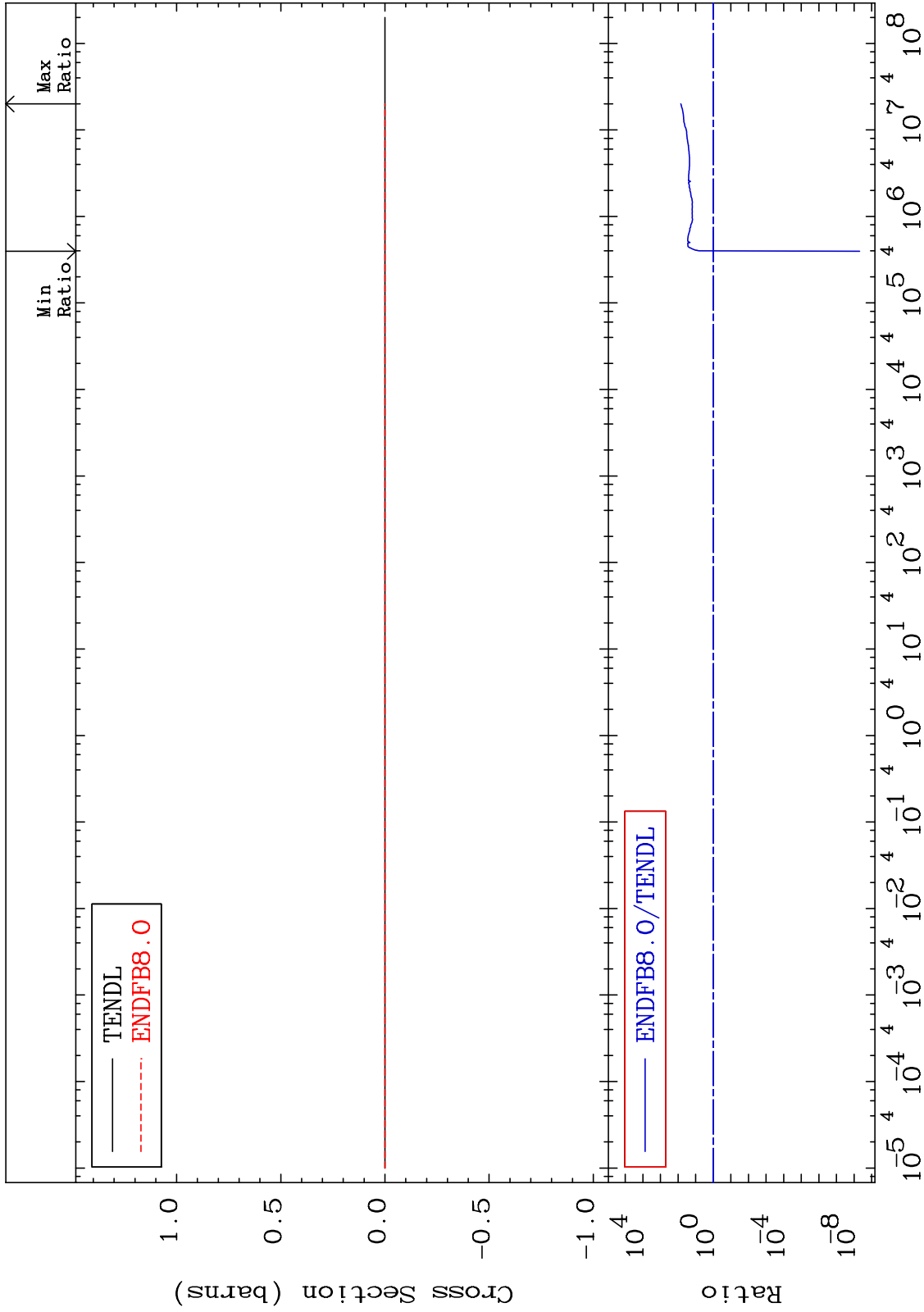




MAT 3131

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

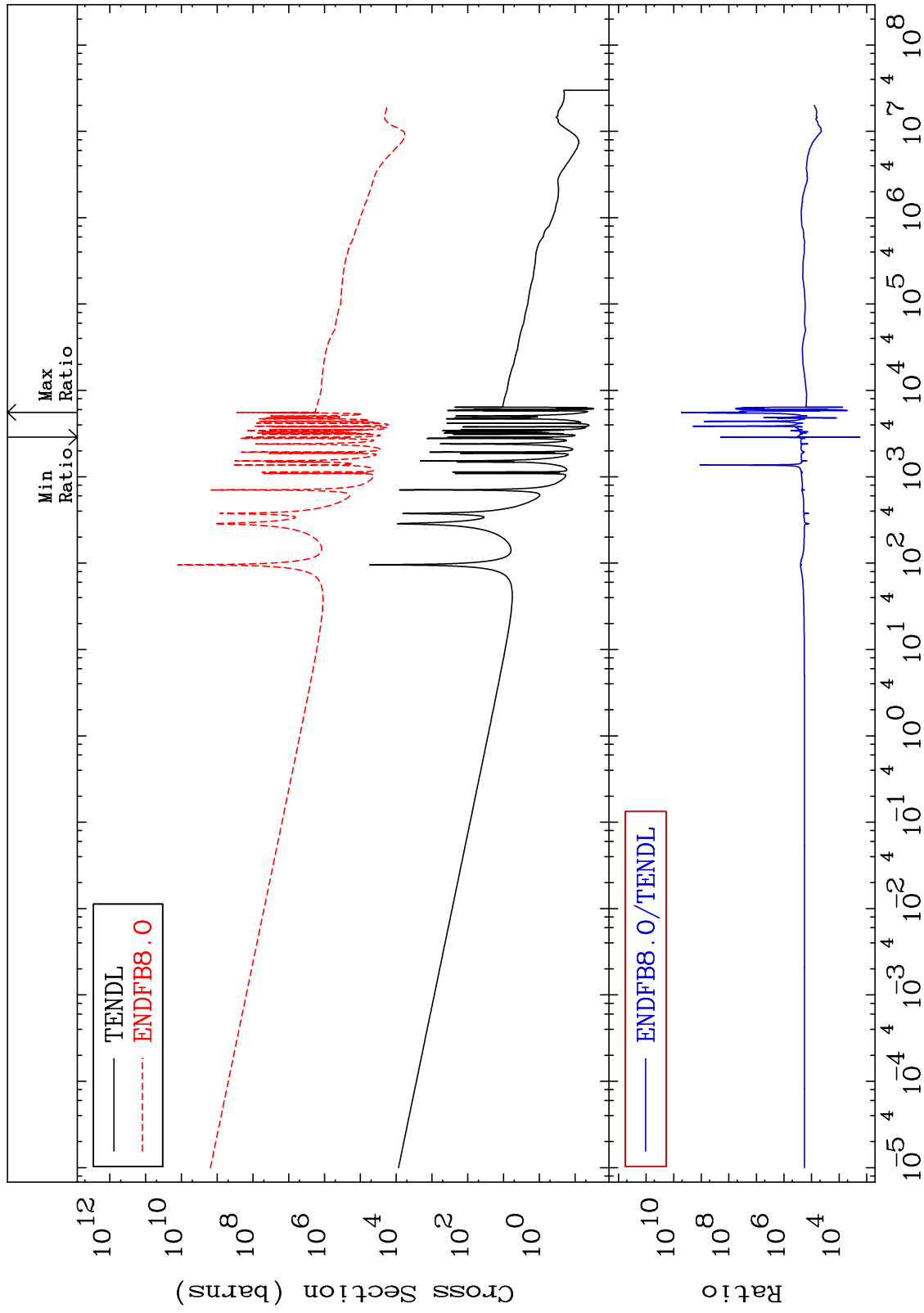
31-Ga-71  
-100.0 To 6888. %



MAT 3131

Kerma capture (mt102)  
Cross Section

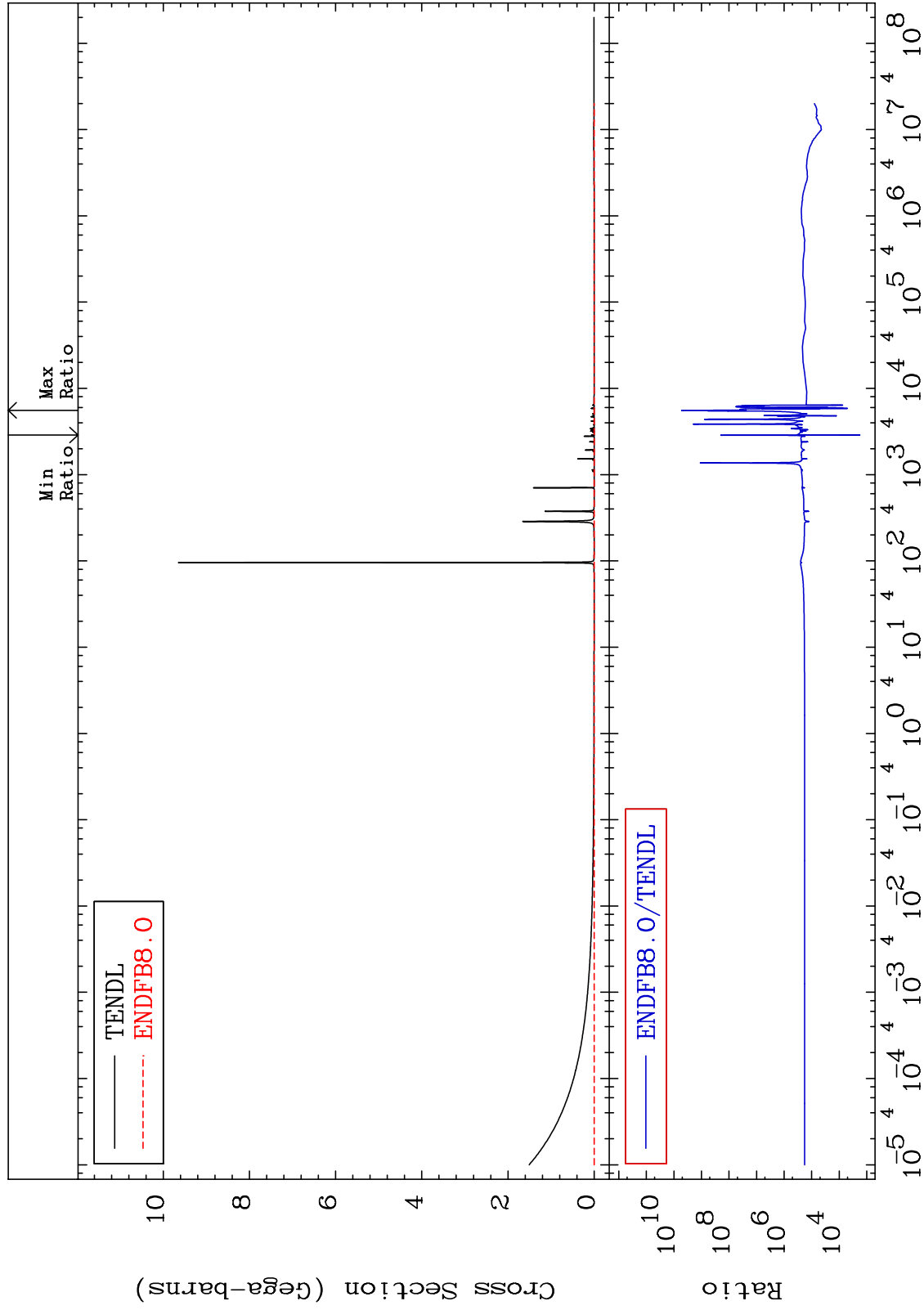
31-Ga-71  
9999. To 9999. %



MAT 3131

Total photon (eV-barns)  
Cross Section

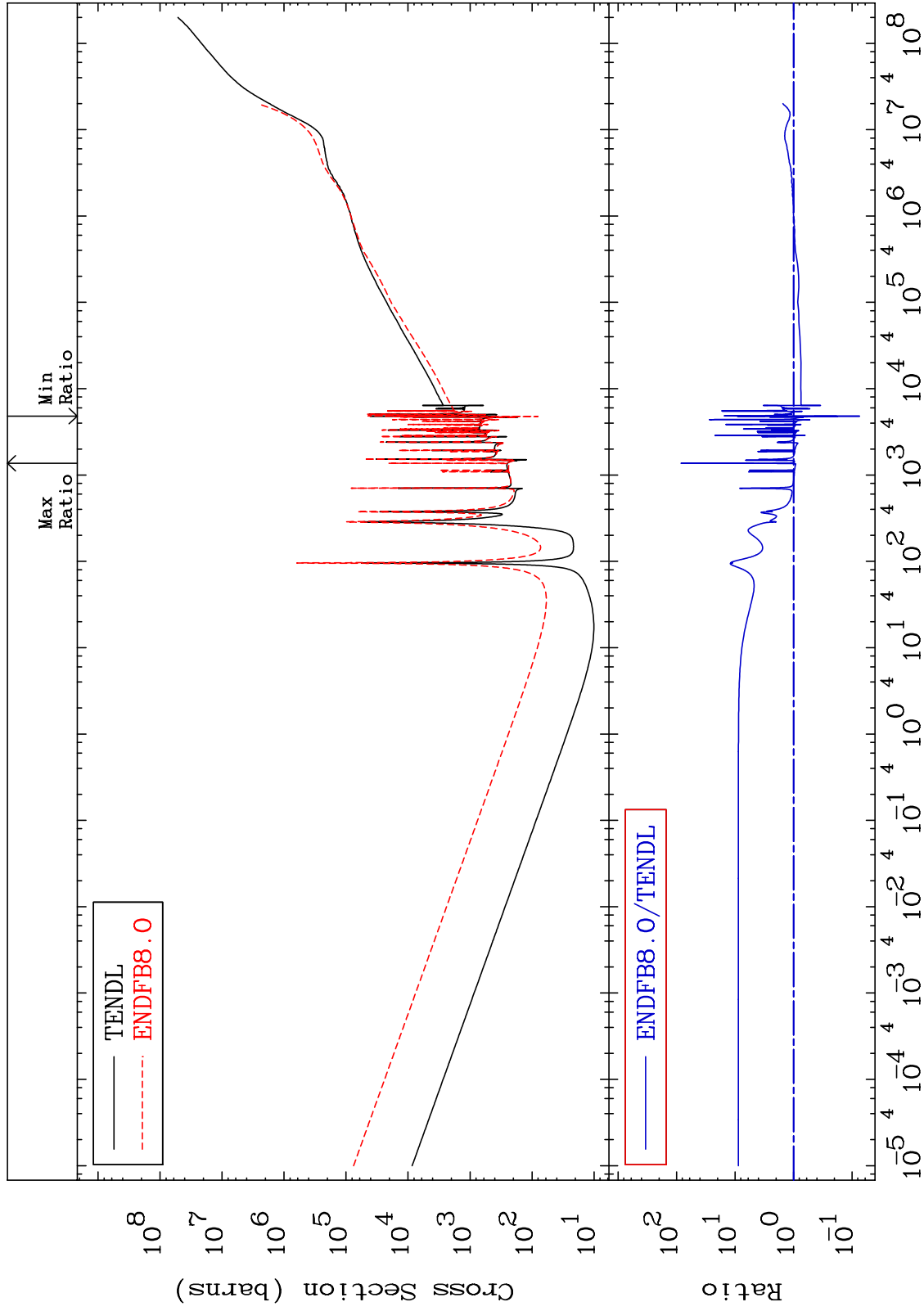
31-Ga-71  
9999. To 9999. %



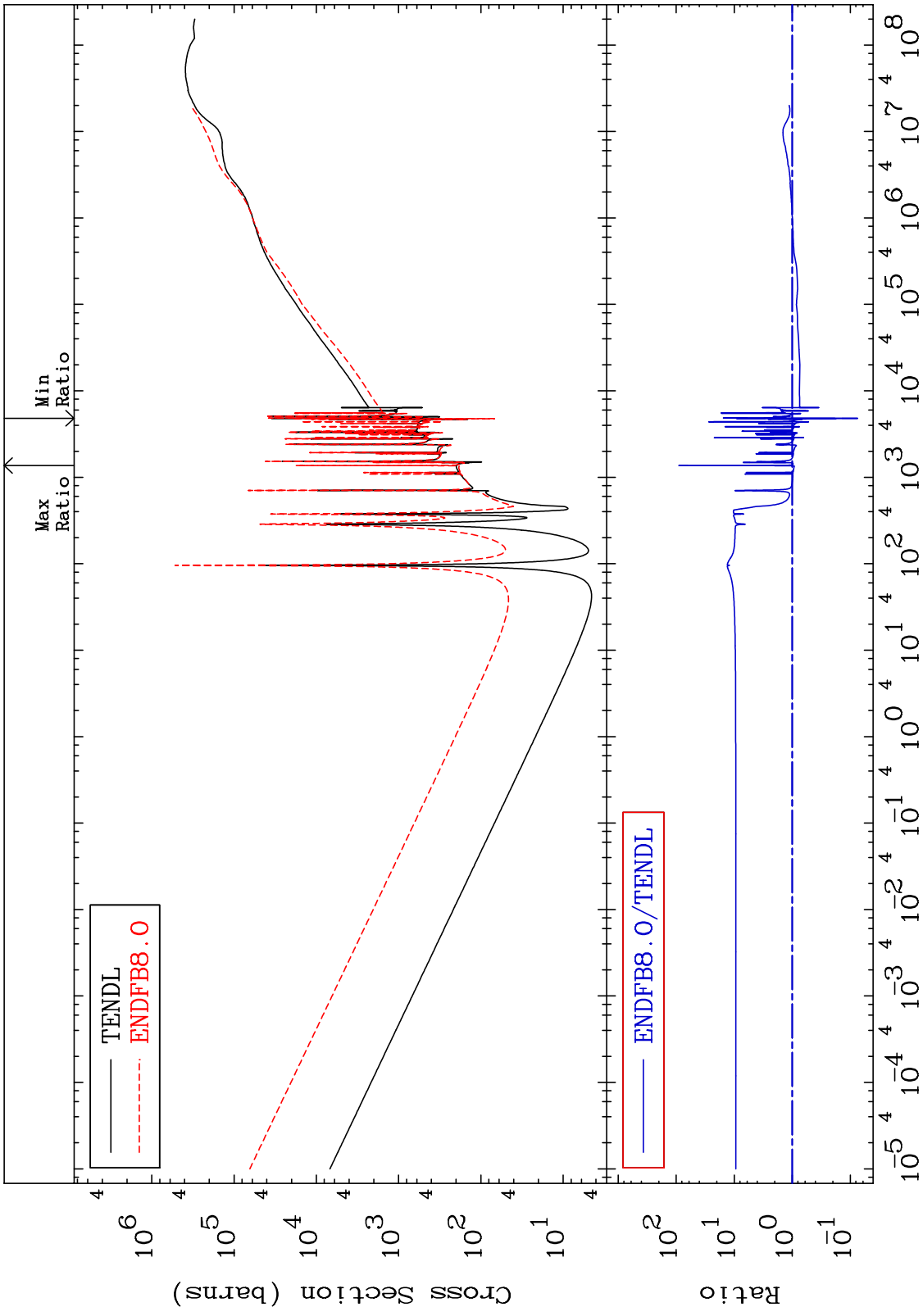
MAT 3131

Total kinematic kerma (high limit)  
Cross Section

31-Ga-71  
-92.61 To 8254. %



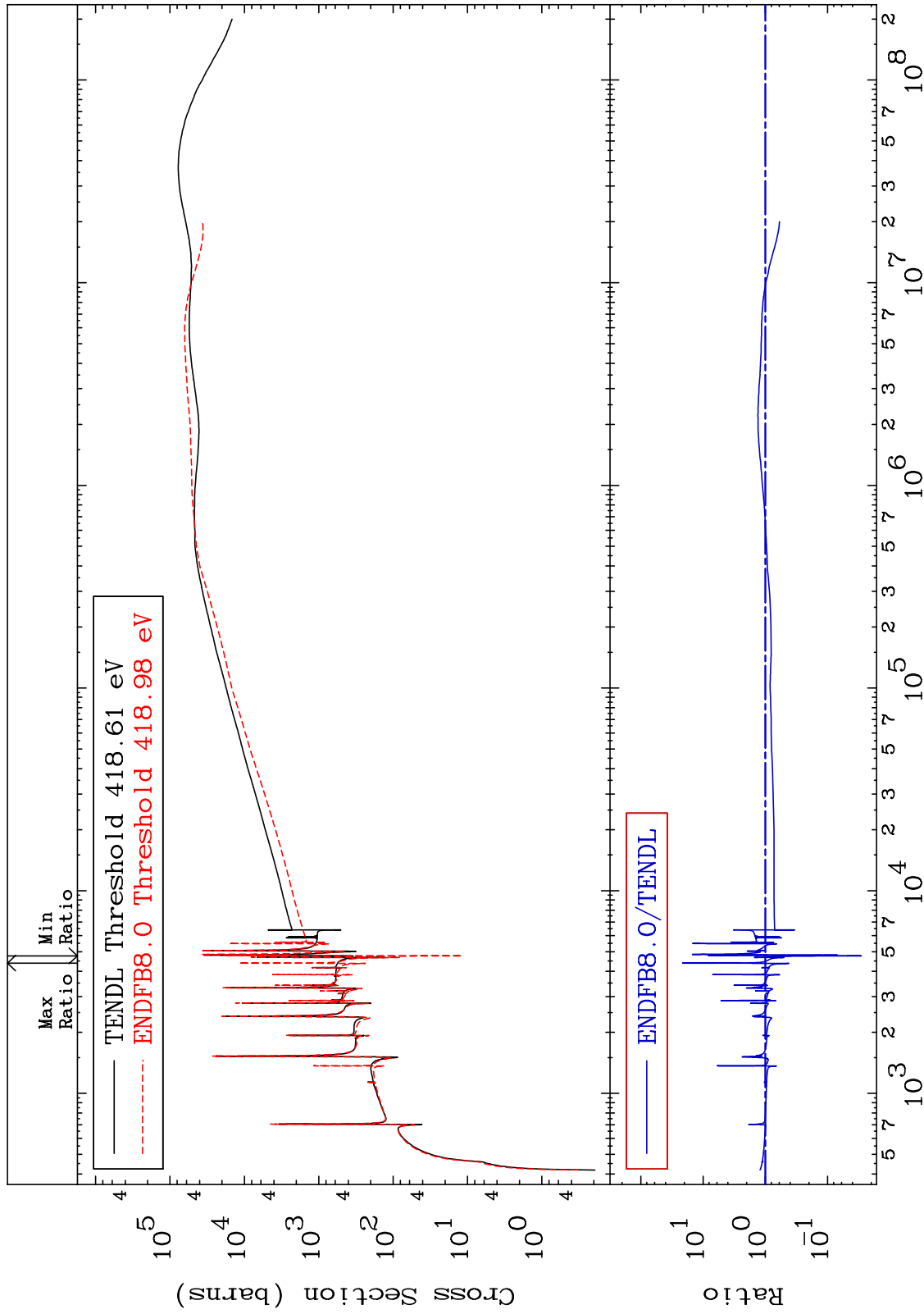
MAT 3131      Dpa total (eV-barns)      31-Ga-71  
 Cross Section      -92.60 To 8846. %



MAT 3131

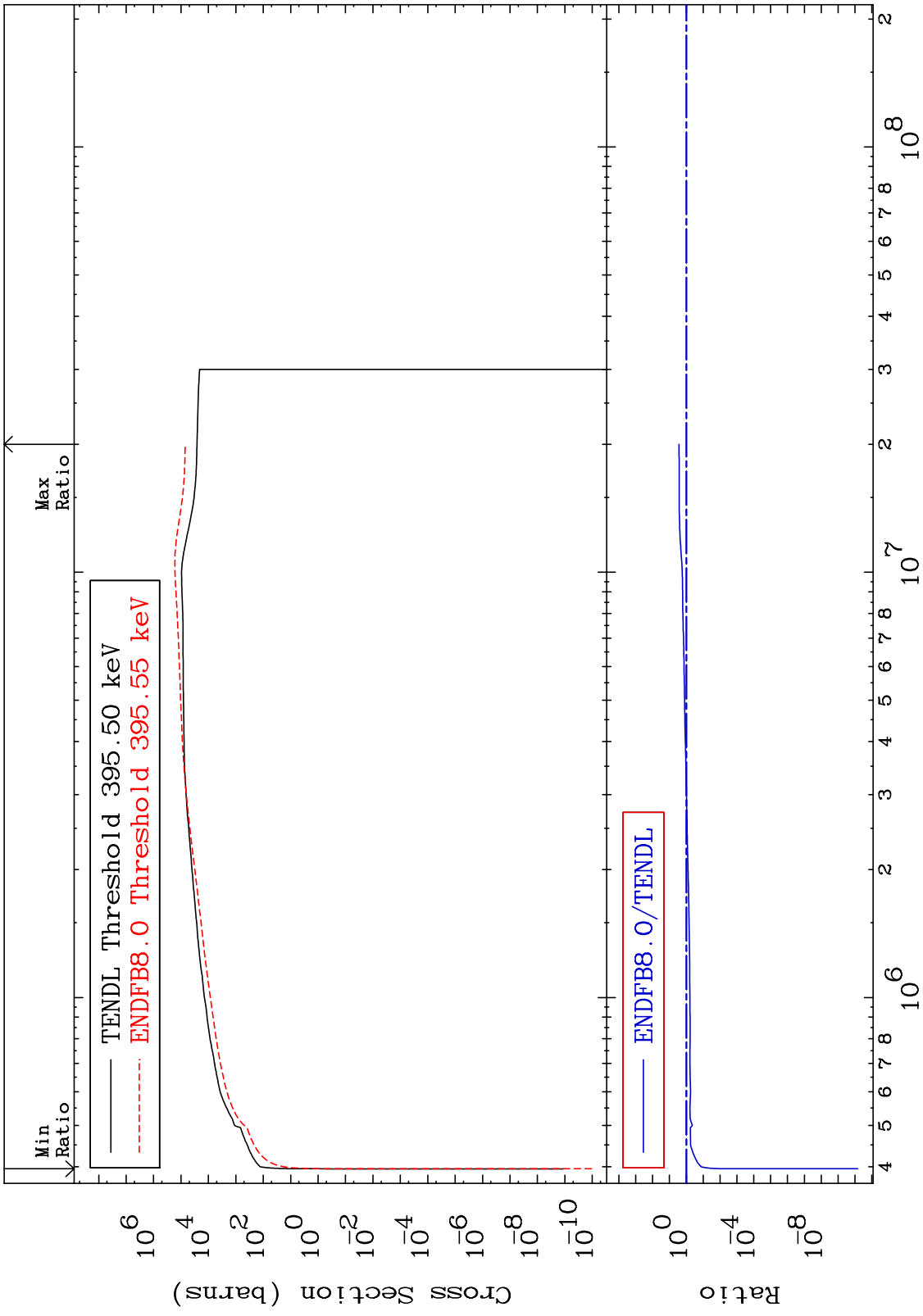
Dpa elastic (mt2)  
Cross Section

31-Ga-71  
-97.11 To 2042. %





MAT 3131      Dpa inelastic (mt51-91)      31-Ga-71  
 Cross Section      -100.0 To 170.1 %



40      31-Ga-71

MAT 3131

Dpa disappearance (mt102 -120)  
Cross Section

31-Ga-71  
-89.51 To 9999. %

