

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
Web: redcullen1.net/HOMEPAGE.NEW

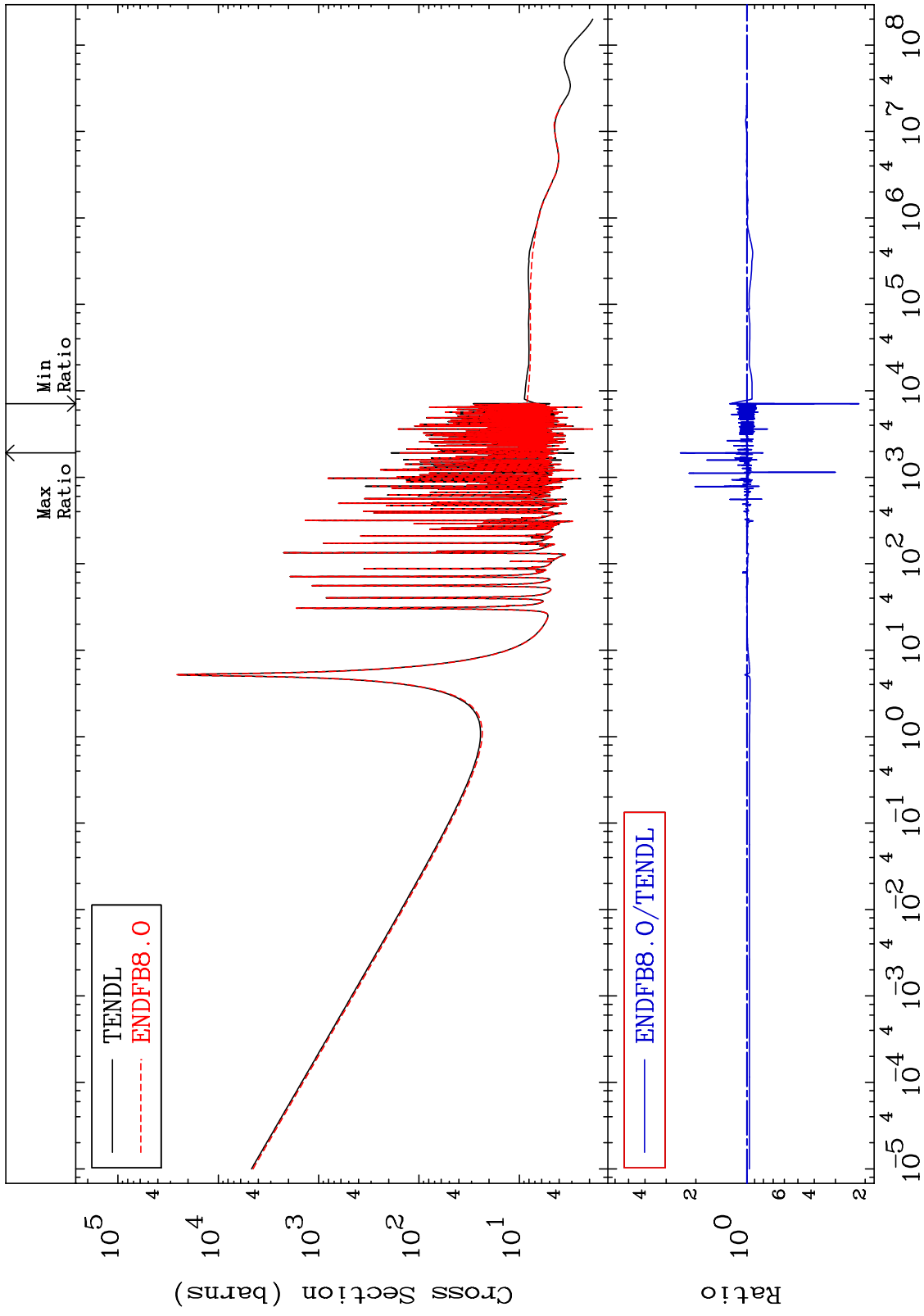
Press Mouse Button to Start

MAT 4731

Total
Cross Section

47-Ag-109

-78.20 To 147.6 %



1

Incident Energy (eV)

47-Ag-109

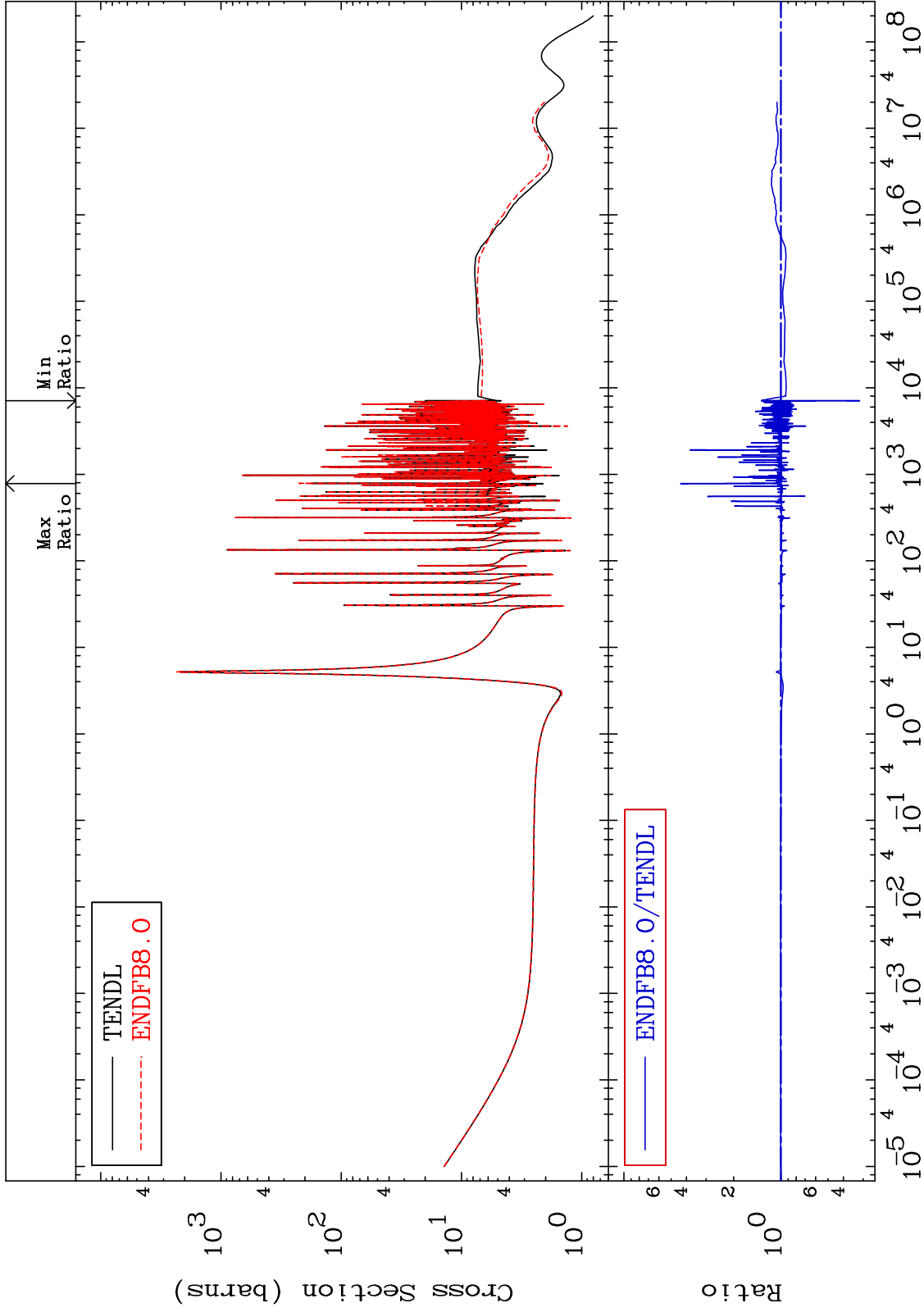
MAT 4731

Elastic

47-Ag-109

Cross Section

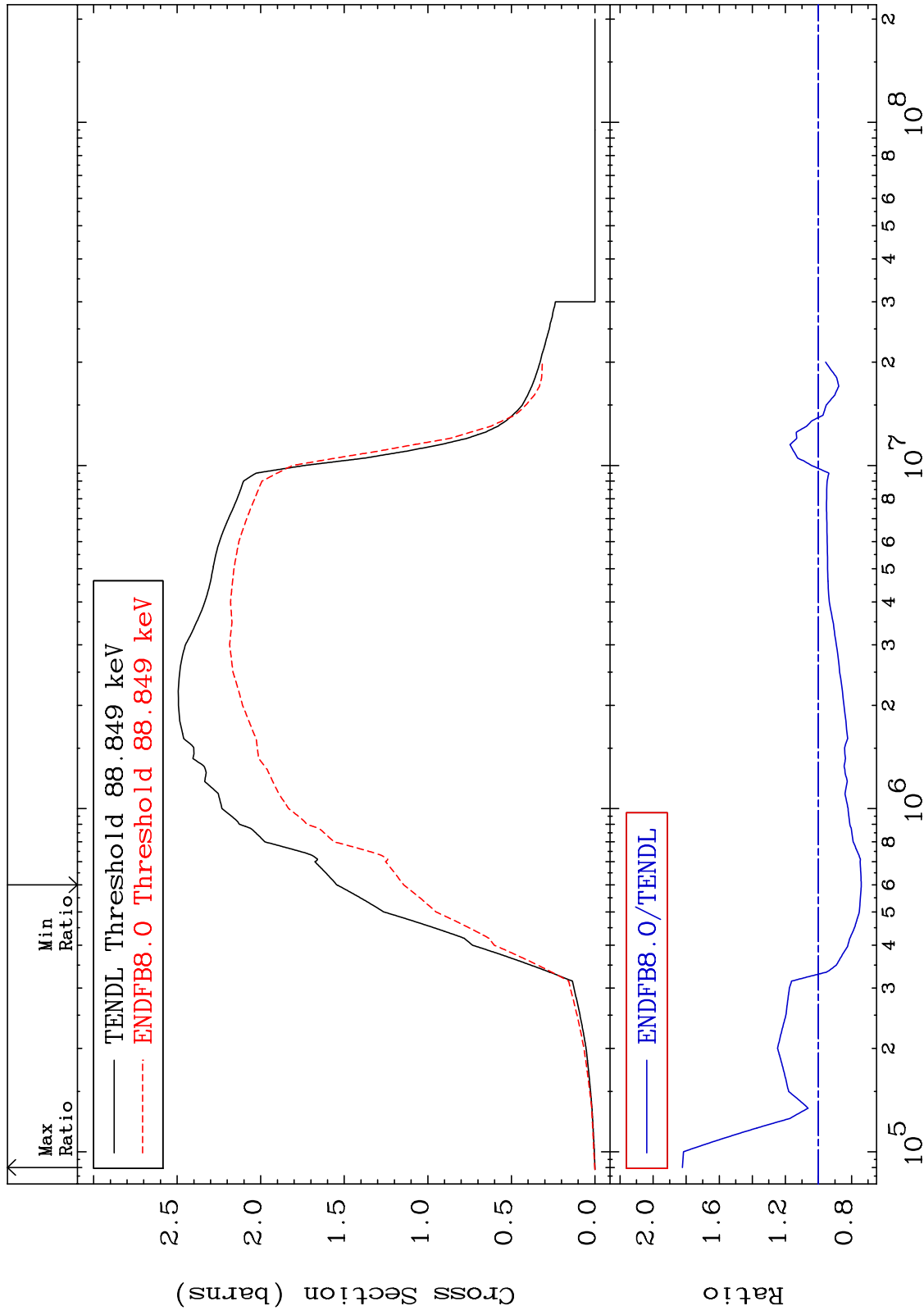
-68.49 To 334.4 %



MAT 4731

Inelastic
Cross Section

47-Ag-109
-25.89 To 82.24 %

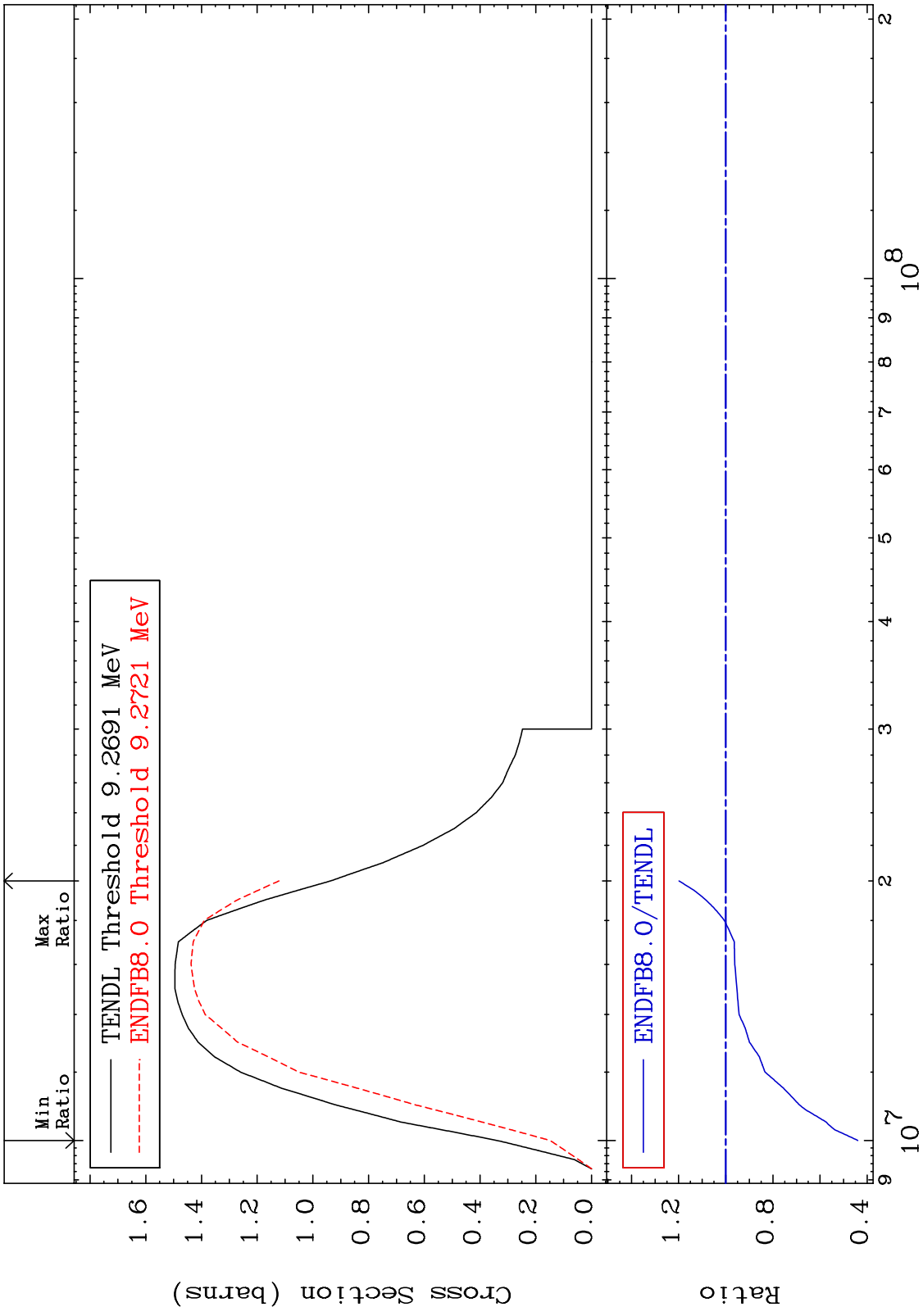


47-Ag-109

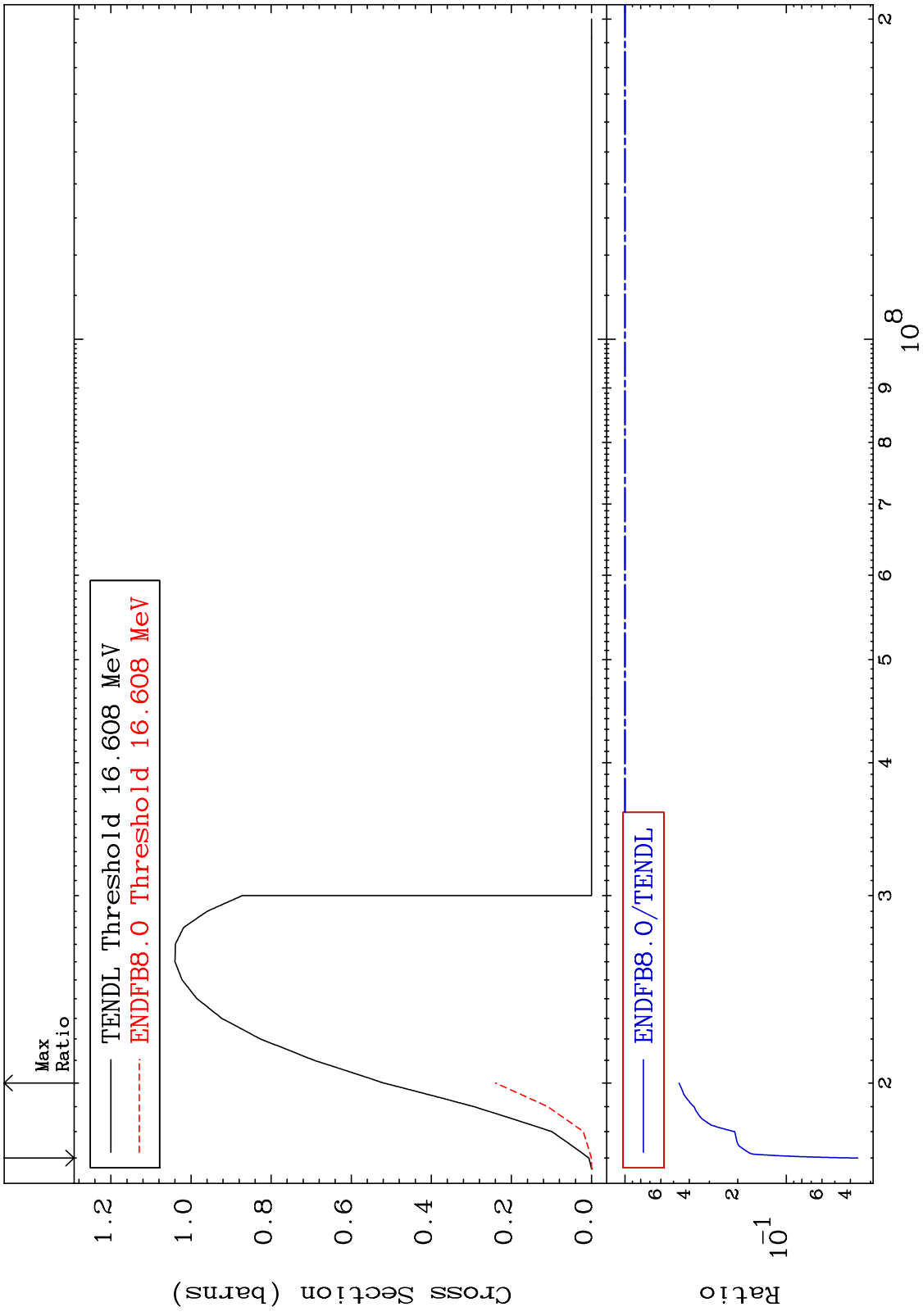
Incident Energy (eV)

3

MAT 4731 (n,2n) Cross Section 47-Ag-109 -56.03 To 19.83 %



47-Ag-109



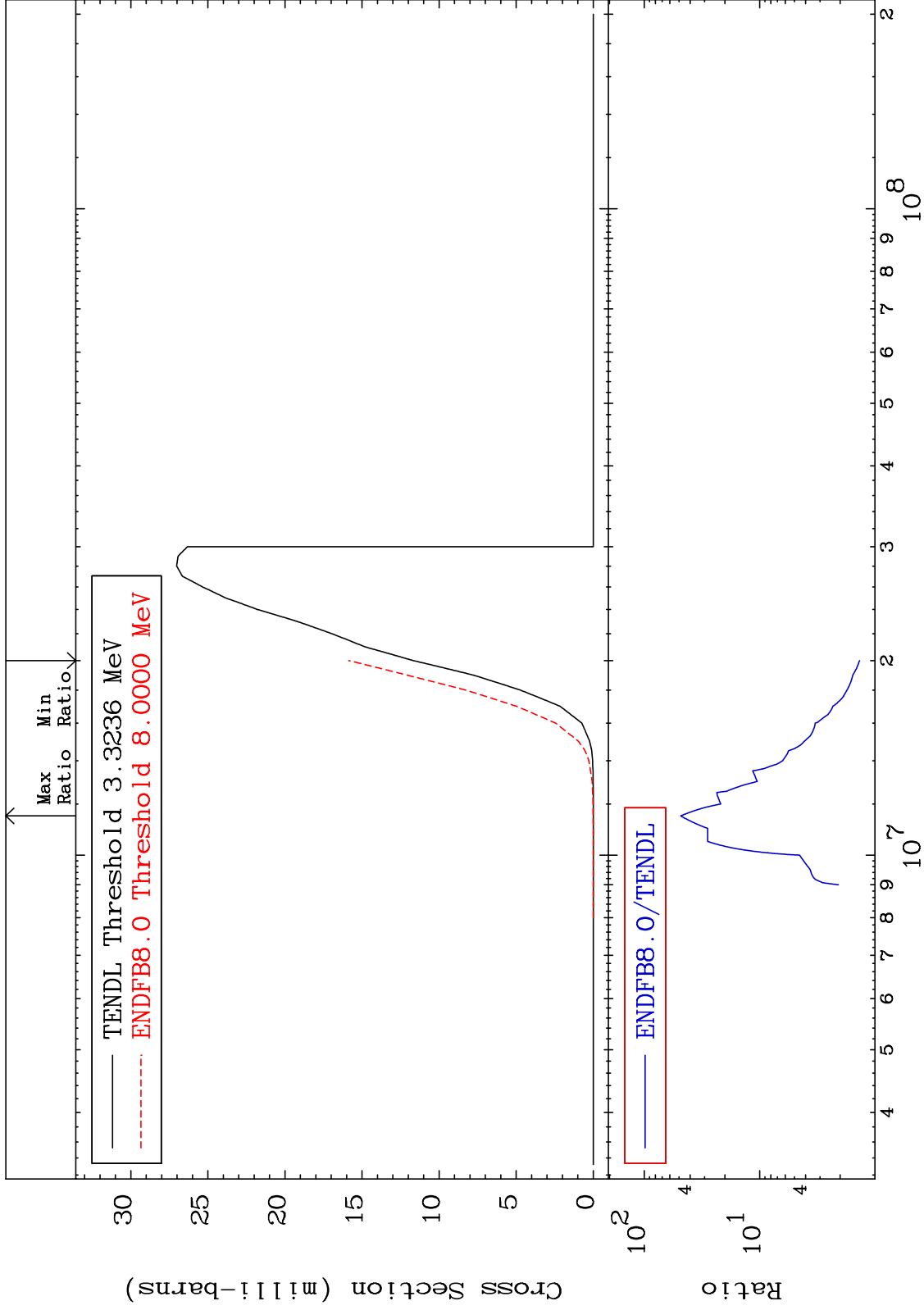
MAT 4731

(n, n') α

47-Ag-109

35.78 To 4721. %

Cross Section

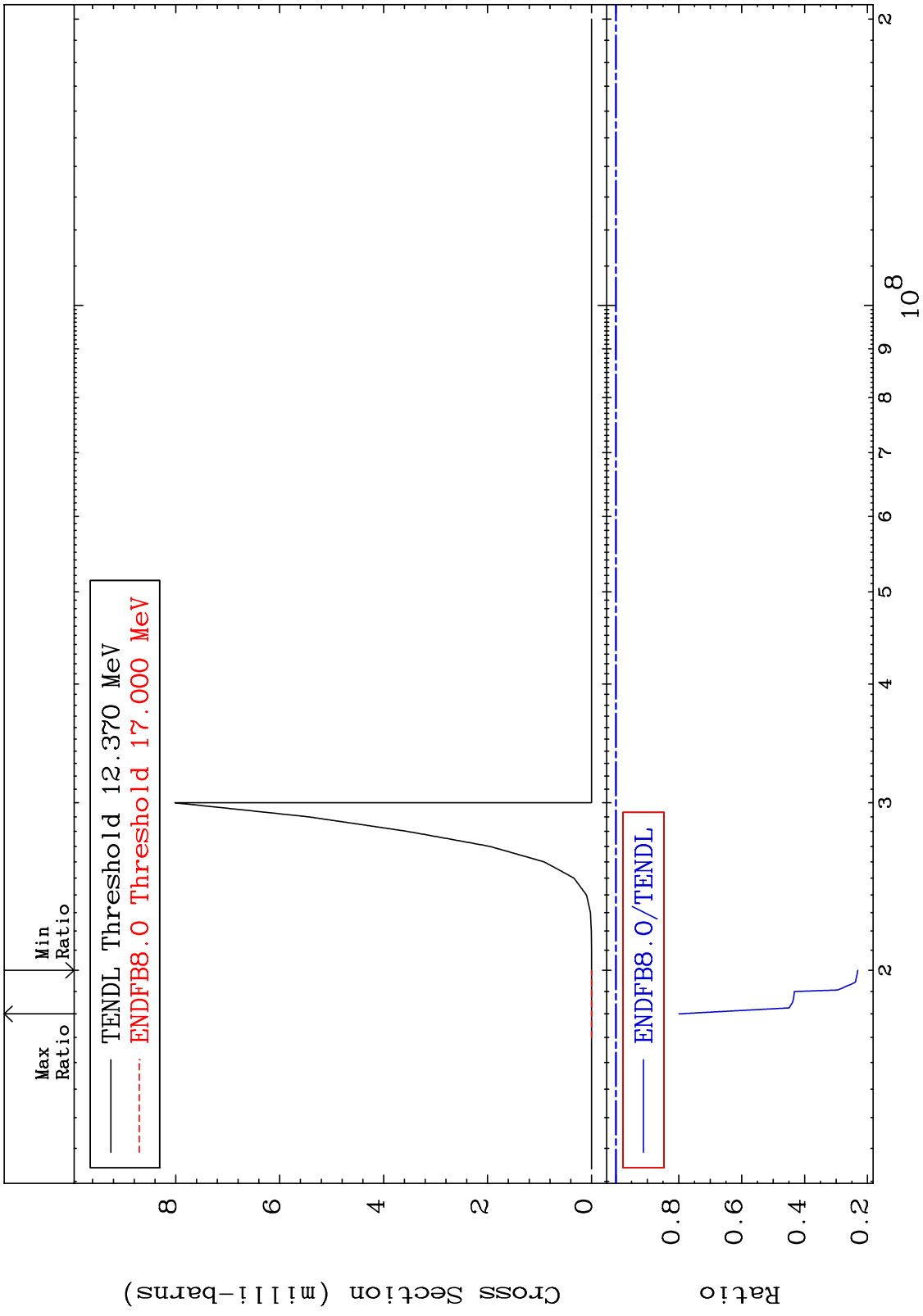


6

Incident Energy (eV)

47-Ag-109

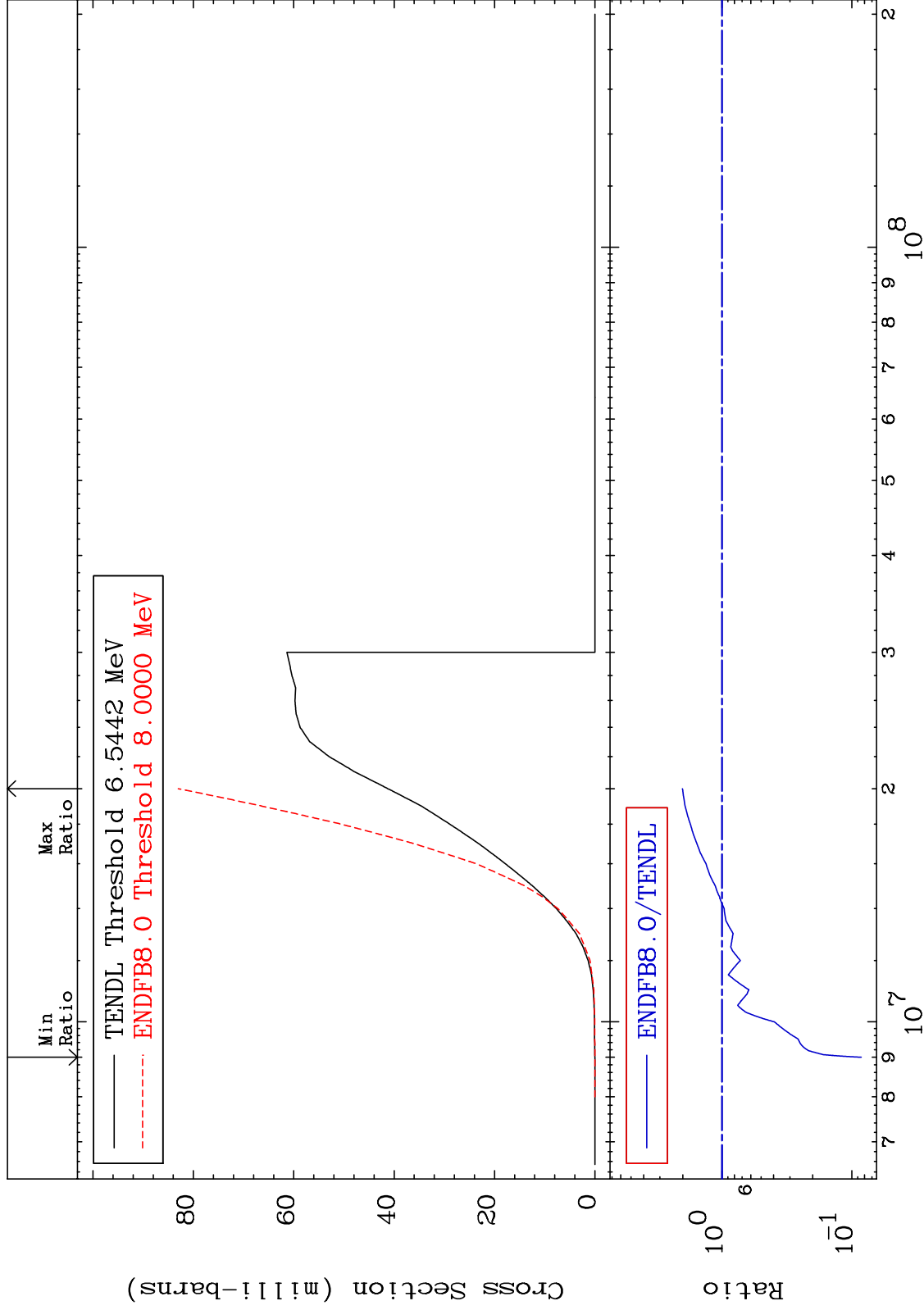
MAT 4731 (n,2n) α 47-Ag-109
 Cross Section -76.93 To -20.07%



MAT 4731

(n,n') p
Cross Section

47-Ag-109
-91.54 To 101.1 %

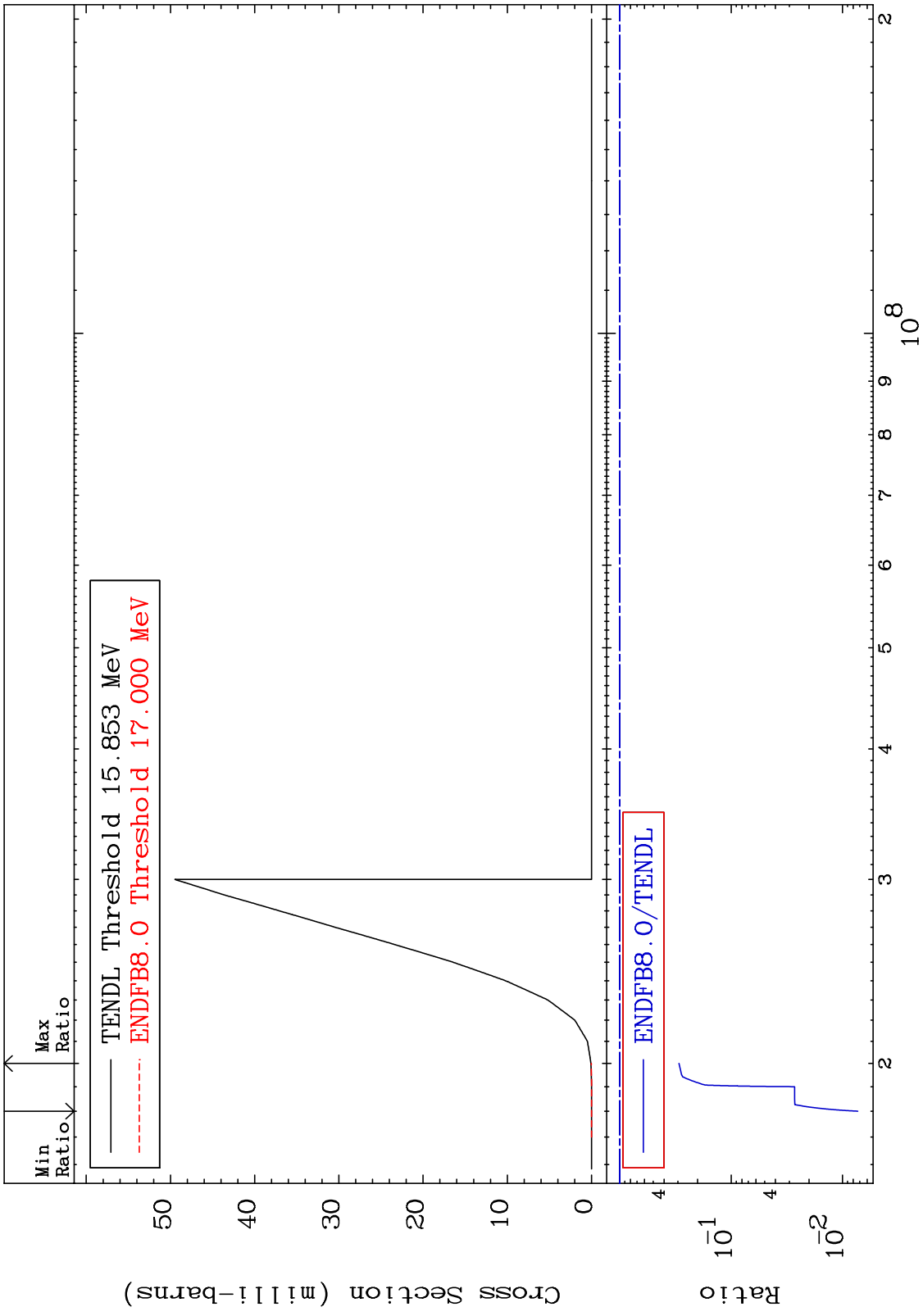


8

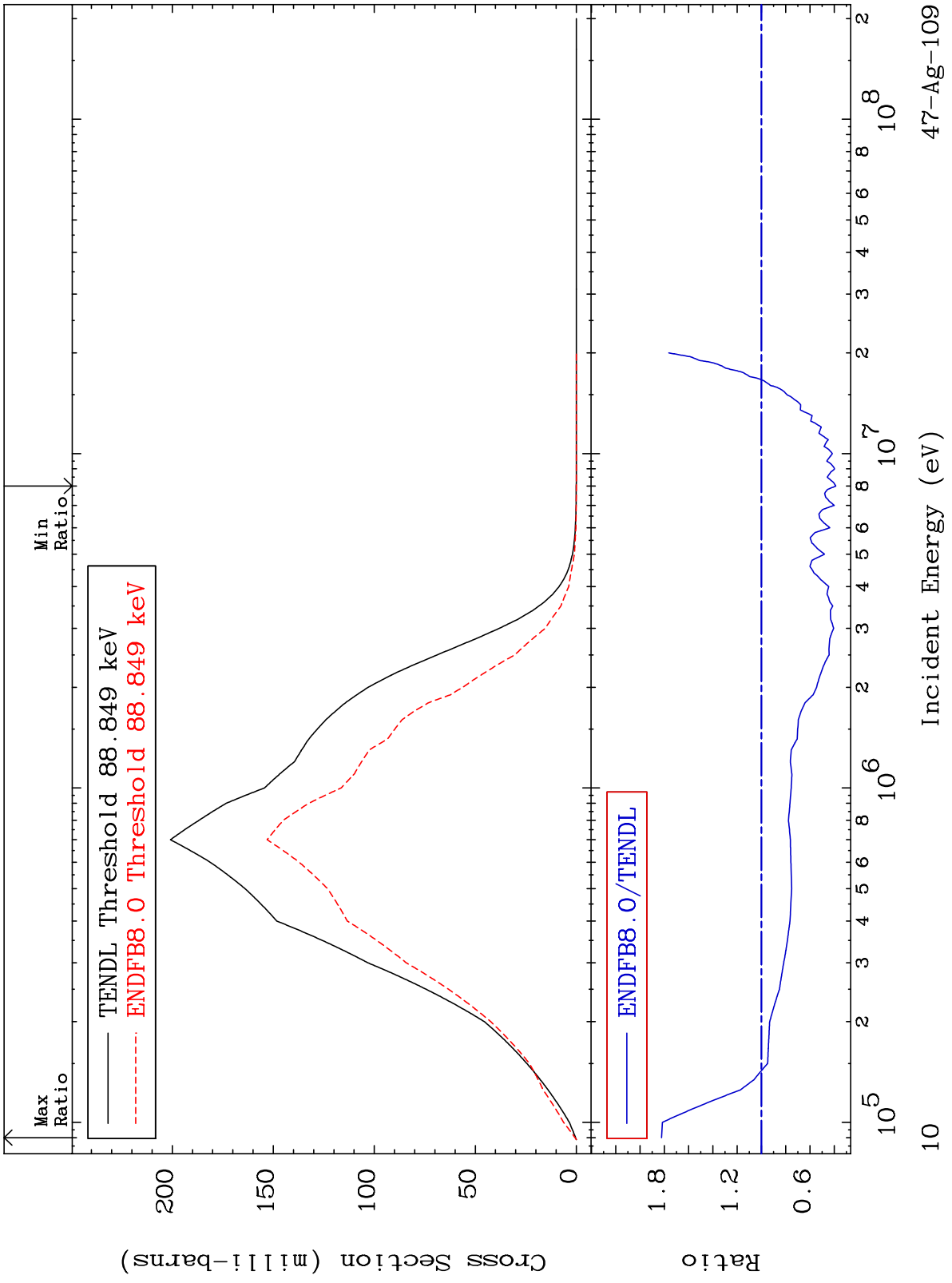
Incident Energy (eV)

47-Ag-109

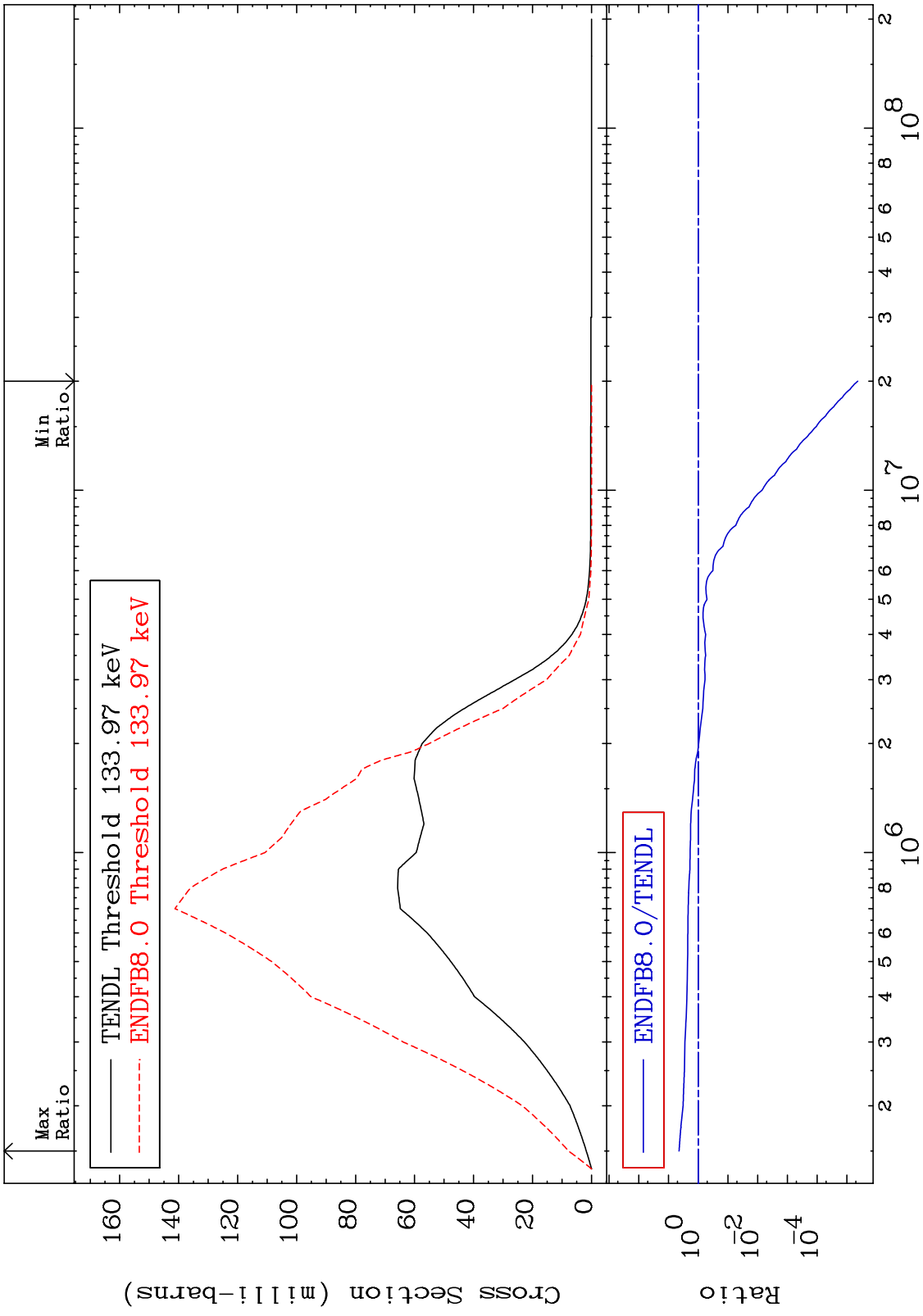
MAT 4731 (n,2n) p 47-Ag-109
 Cross Section -99.27 To -70.65%



MAT 4731 MT= 51 (n,n') Level Cross Section -61.31 To 82.24 % 47-Ag-109



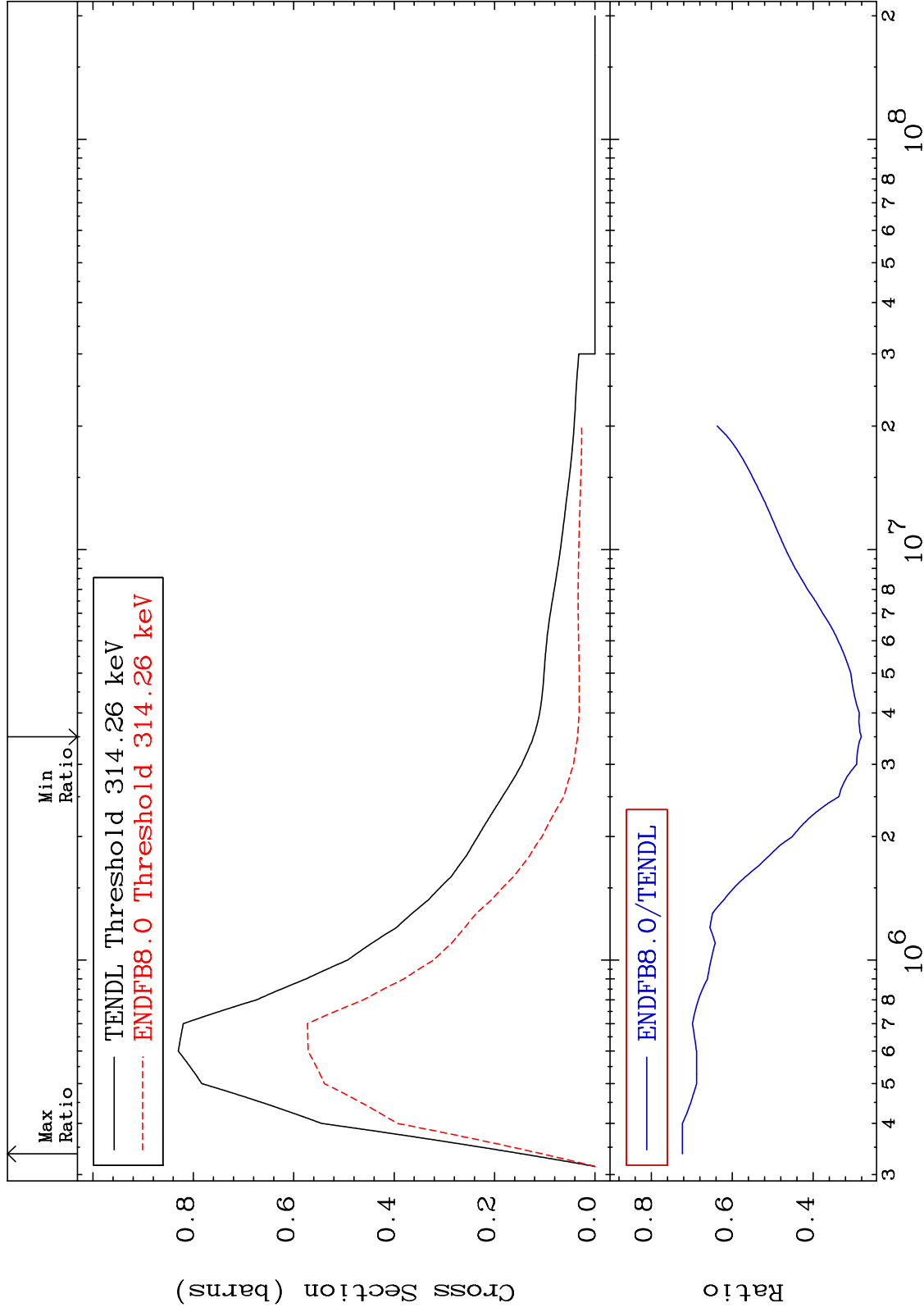
MAT 4731 MT= 52 (n,n') Level Cross Section -100.0 To 339.8 % 47-Ag-109



MAT 4731

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

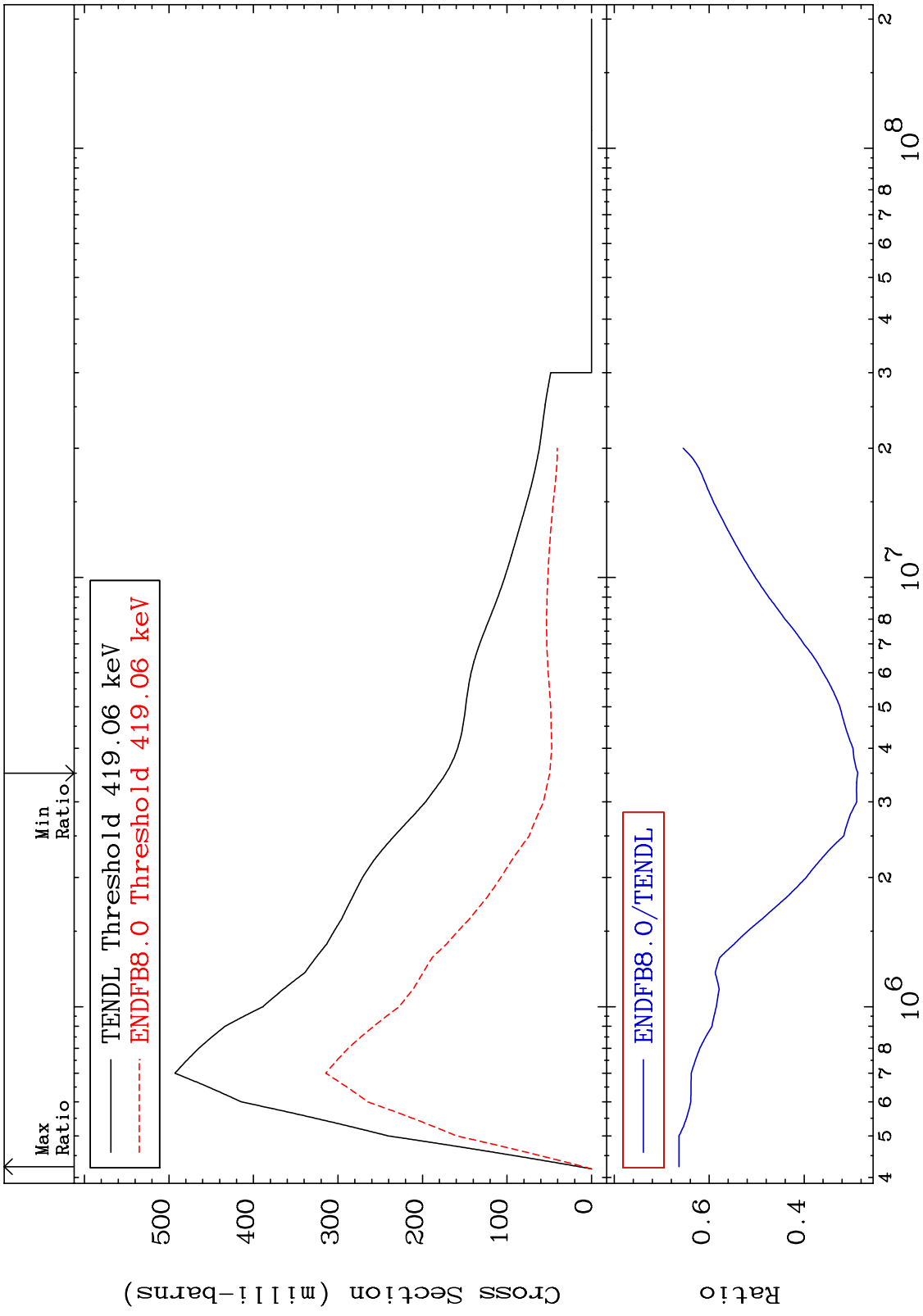
47-Ag-109
-71.93 To -27.69%



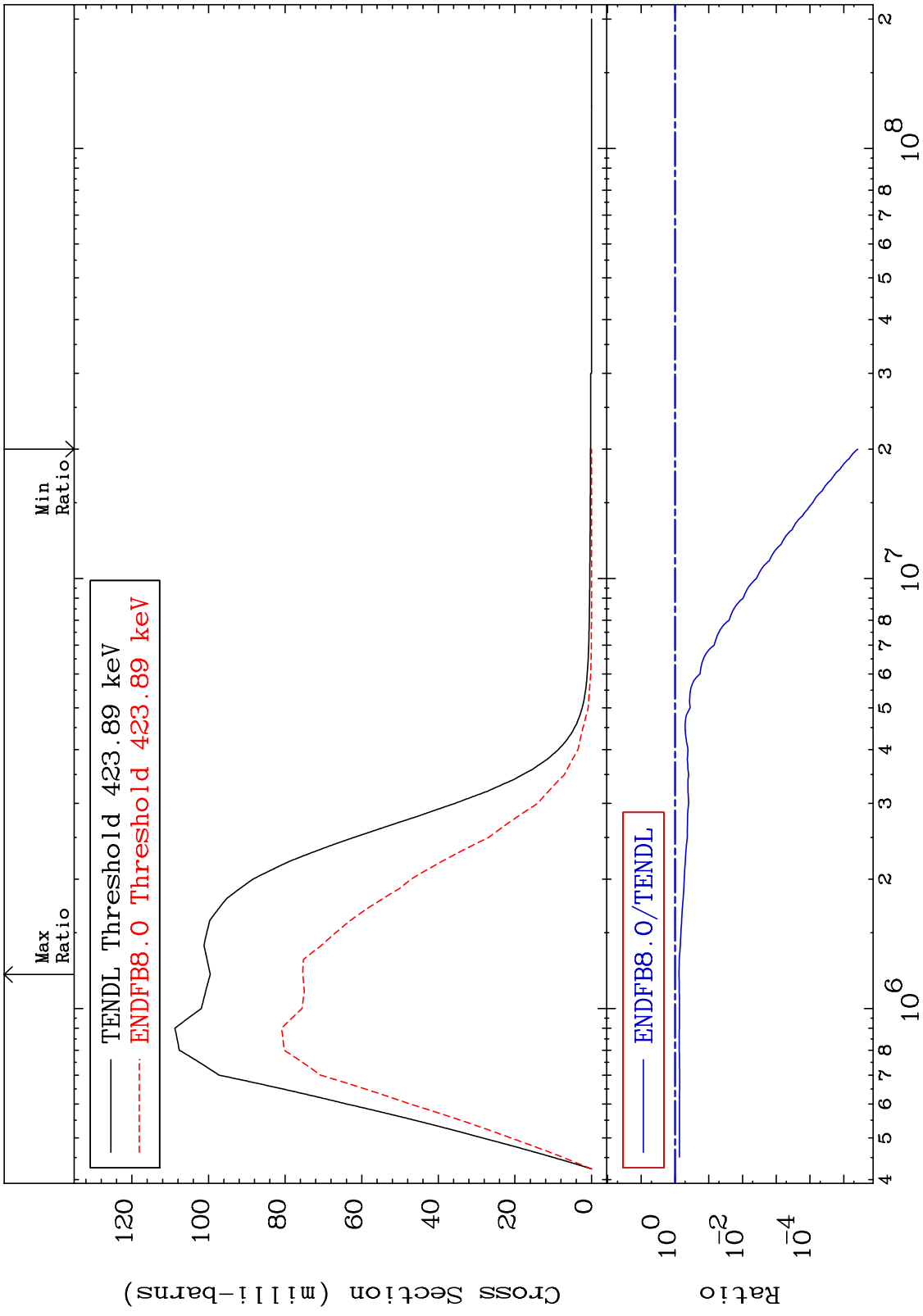
12

47-Ag-109

MAT 4731 MT= 54 (n,n') Level Cross Section 47-Ag-109 -71.32 To -33.64%



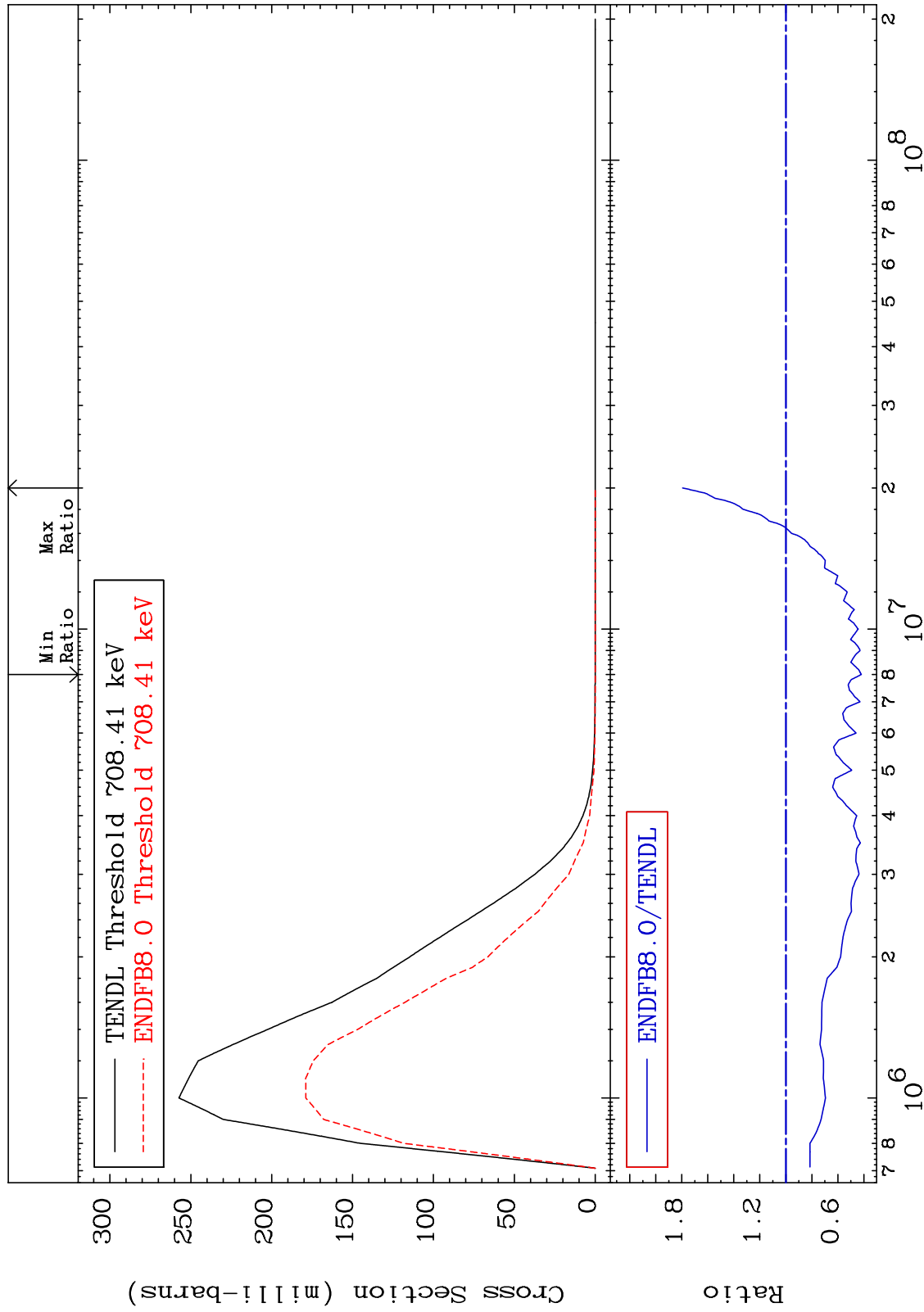
MAT 4731 MT= 55 (n,n') Level Cross Section -100.0 To -24.26% 47-Ag-109



MAT 4731

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

47-Ag-109
-58.04 To 79.31 %



15

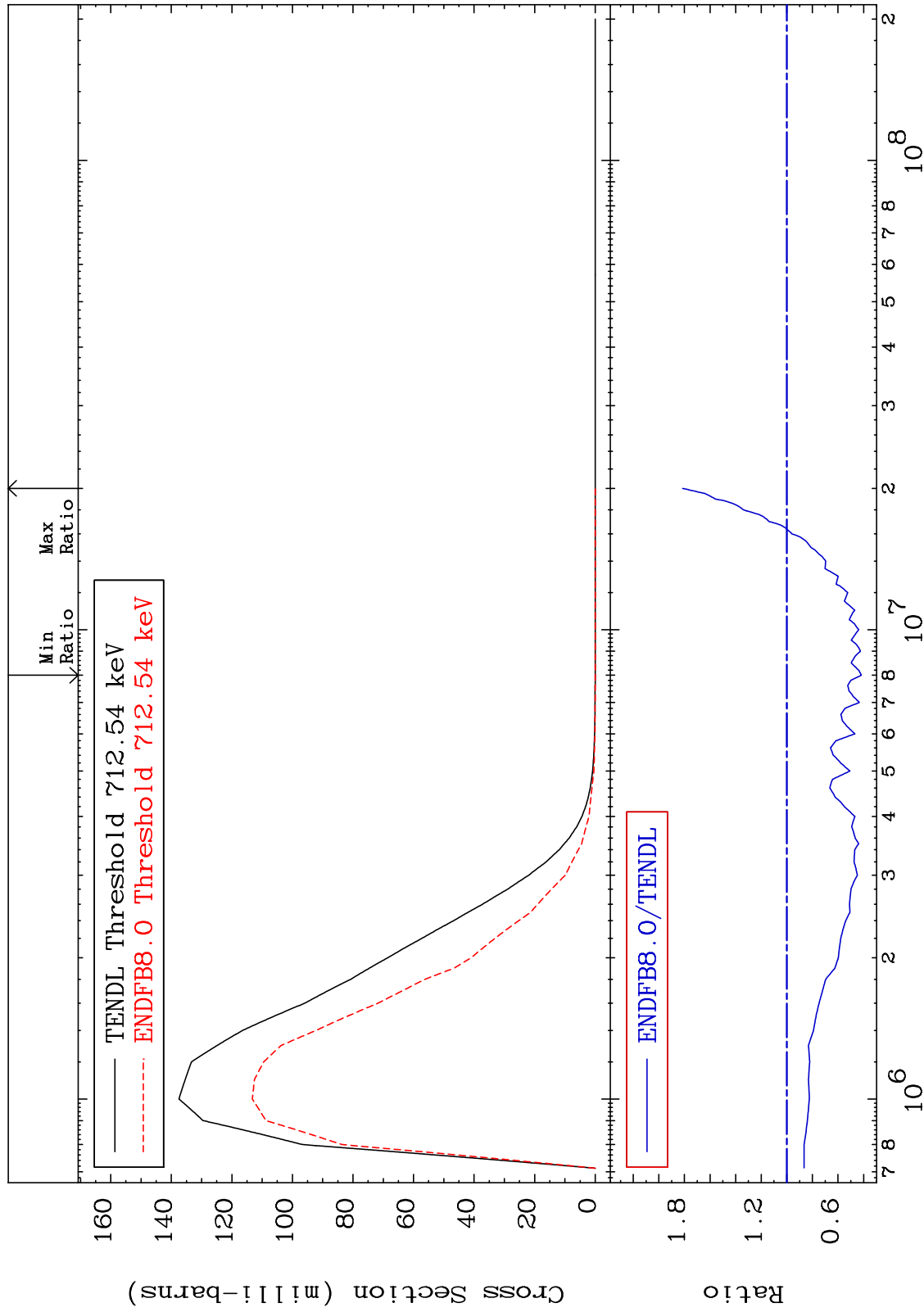
Incident Energy (eV)

47-Ag-109

MAT 4731

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

47-Ag-109
-58.23 To 81.39 %

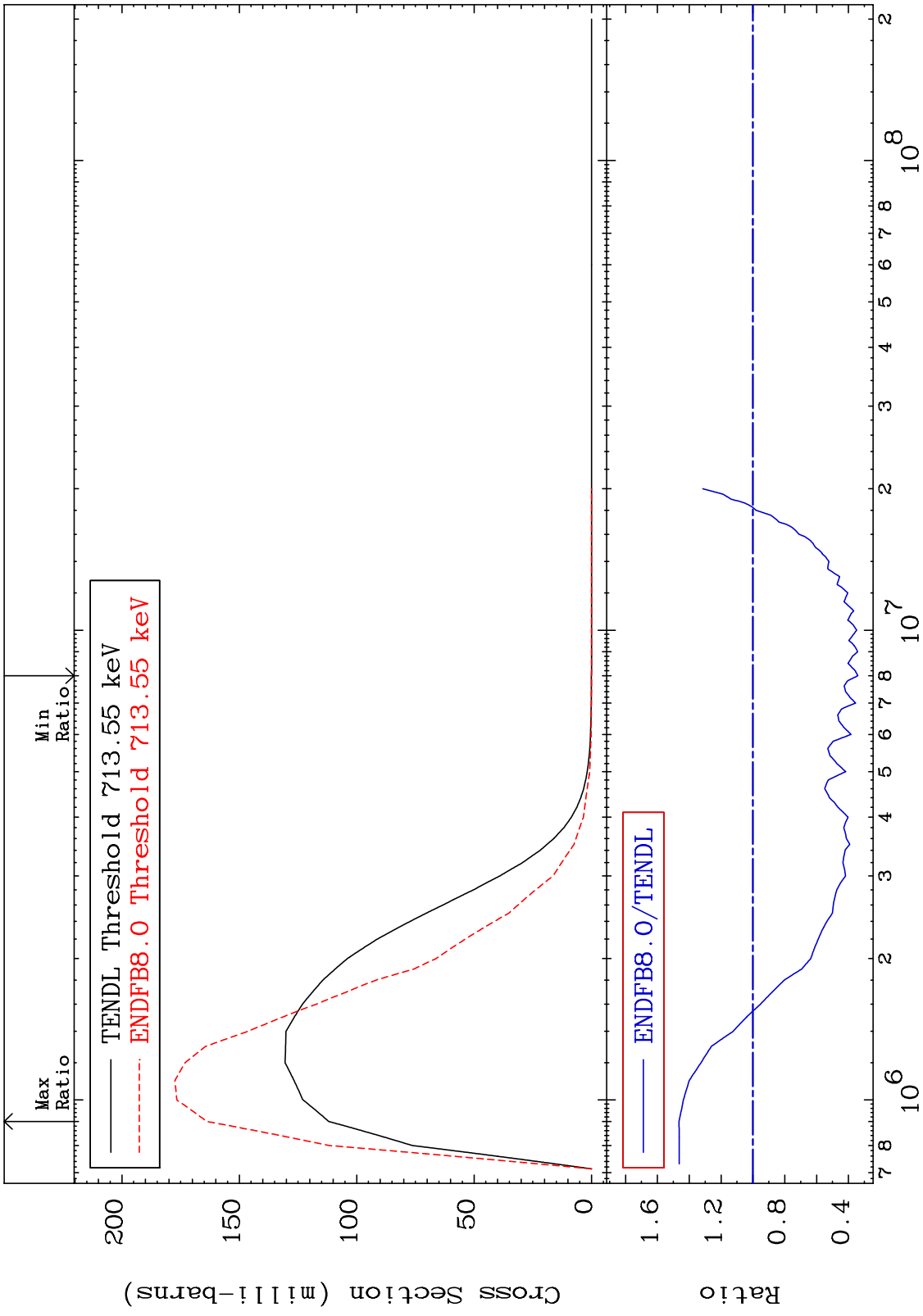


16

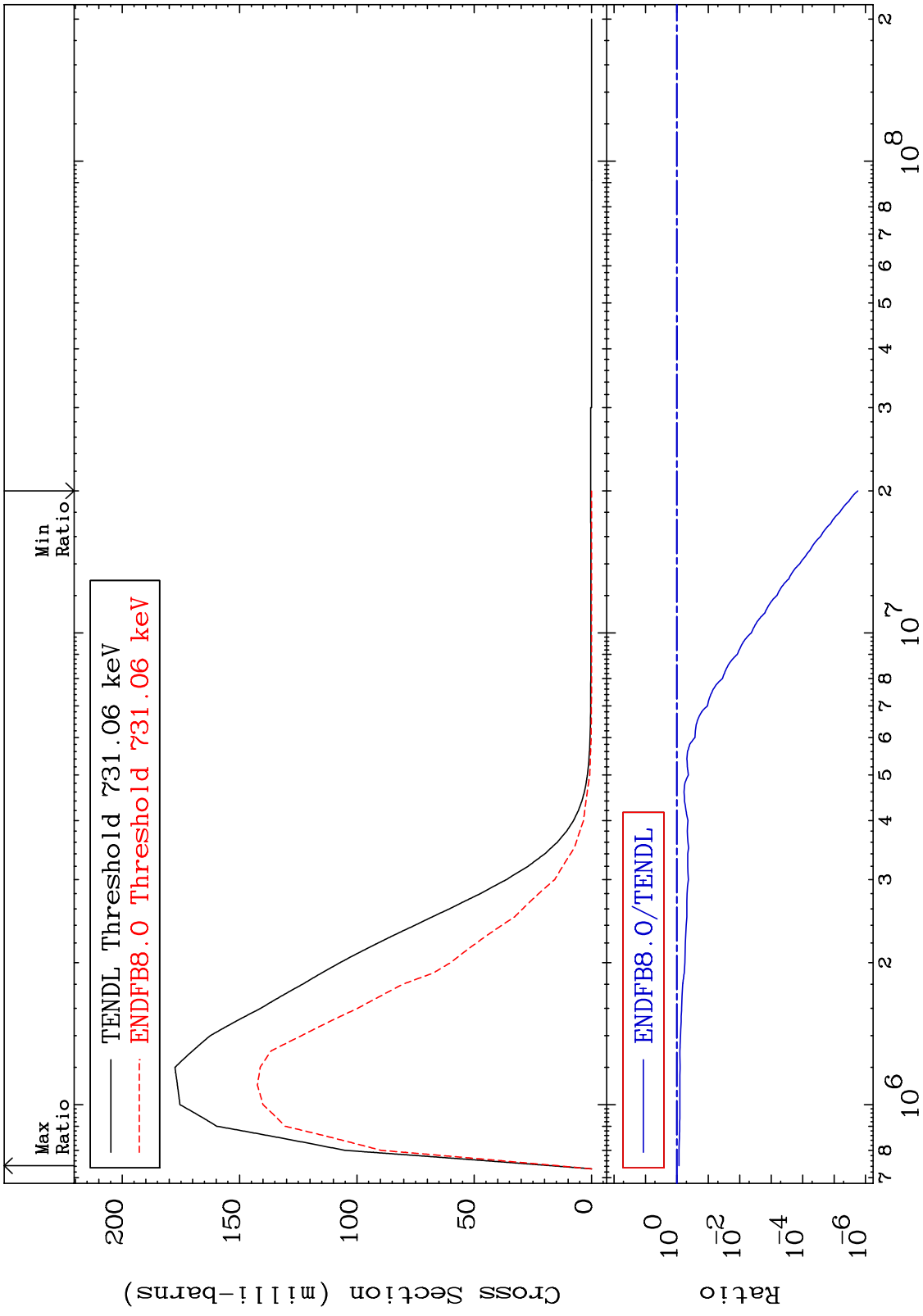
Incident Energy (eV)

47-Ag-109

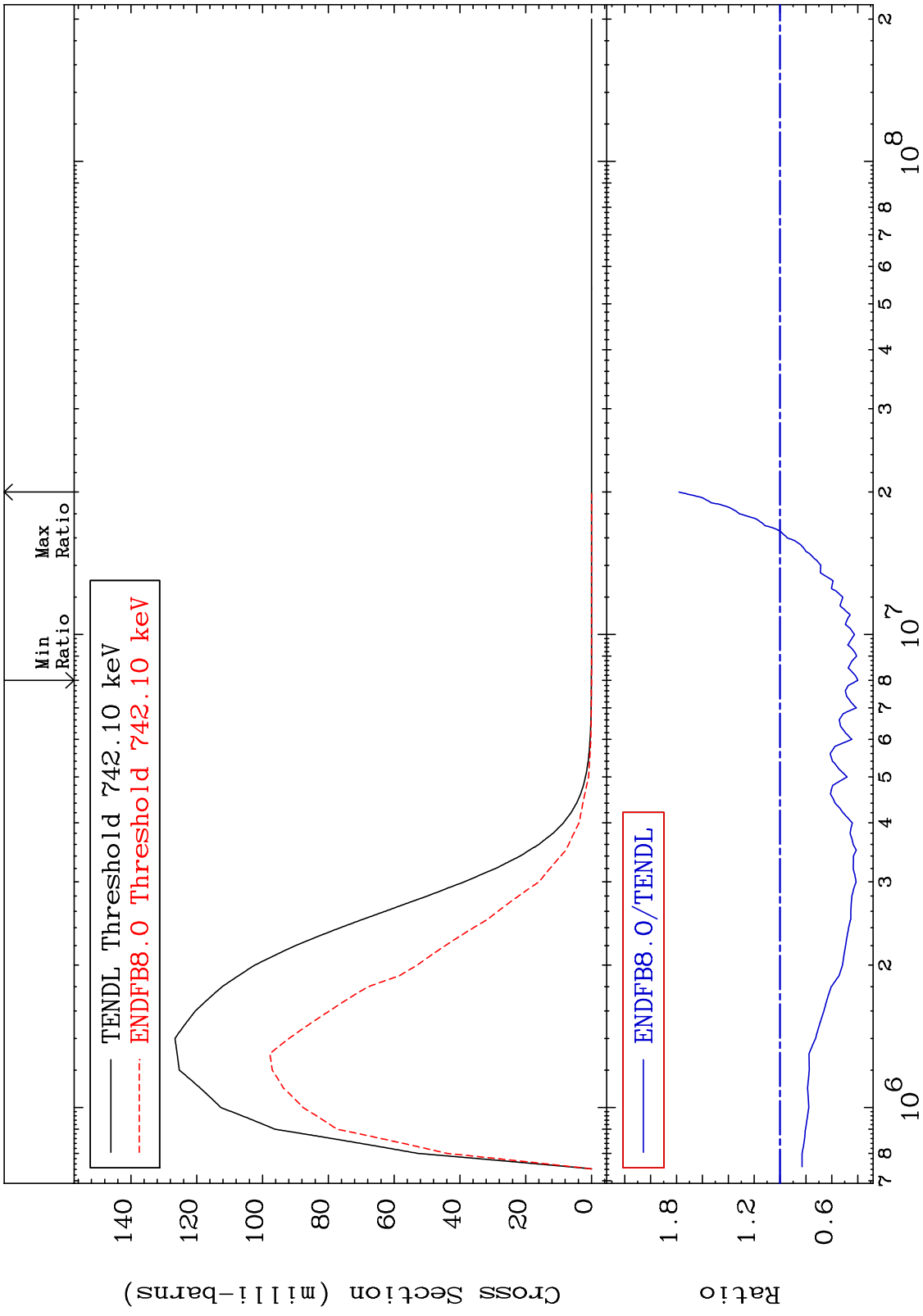
MAT 4731 MT= 58 (n,n') Level Cross Section 47-Ag-109
 -65.89 To 46.40 %



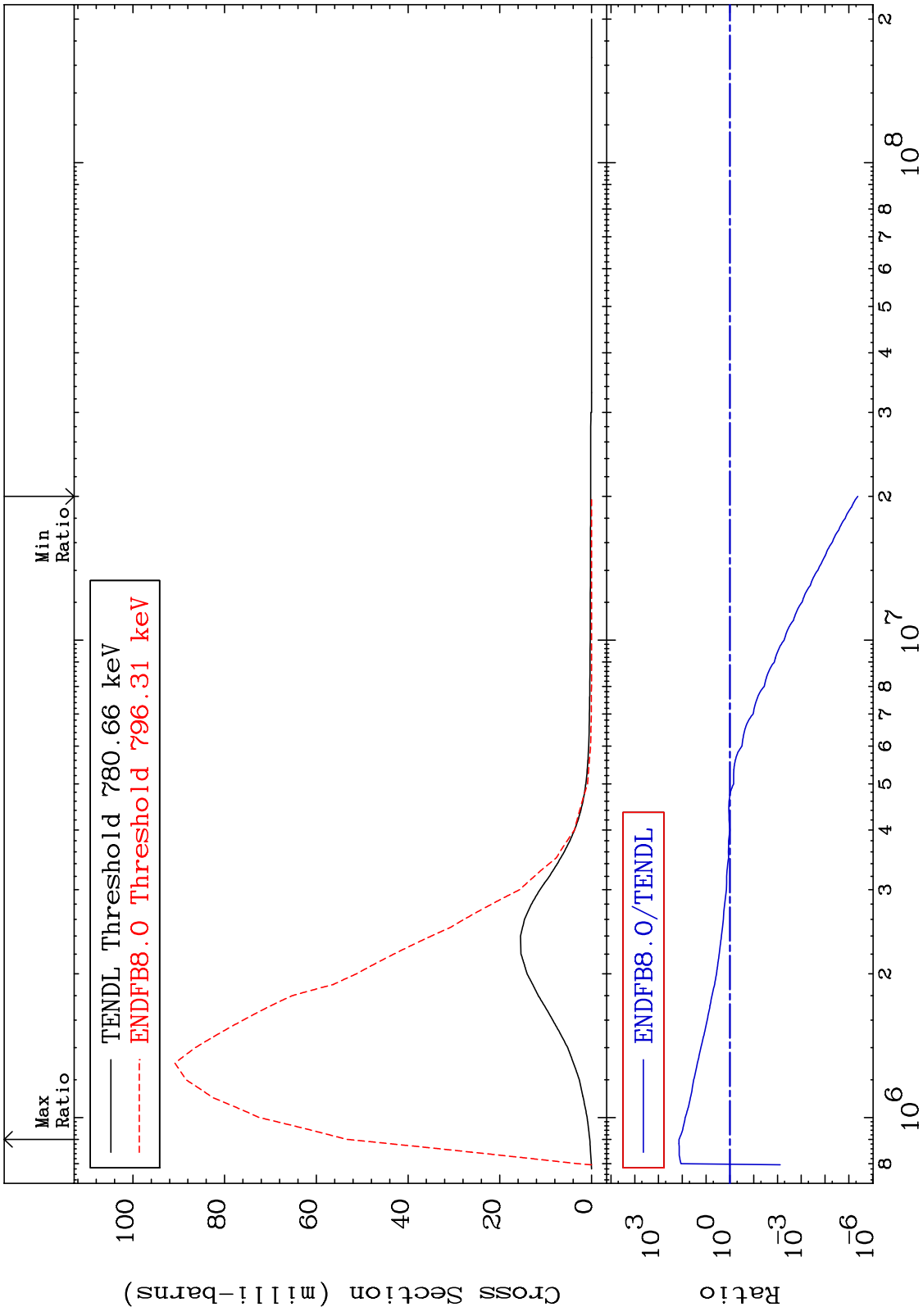
MAT 4731 MT= 59 (n,n') Level Cross Section 47-Ag-109 -100.0 To -14.68%



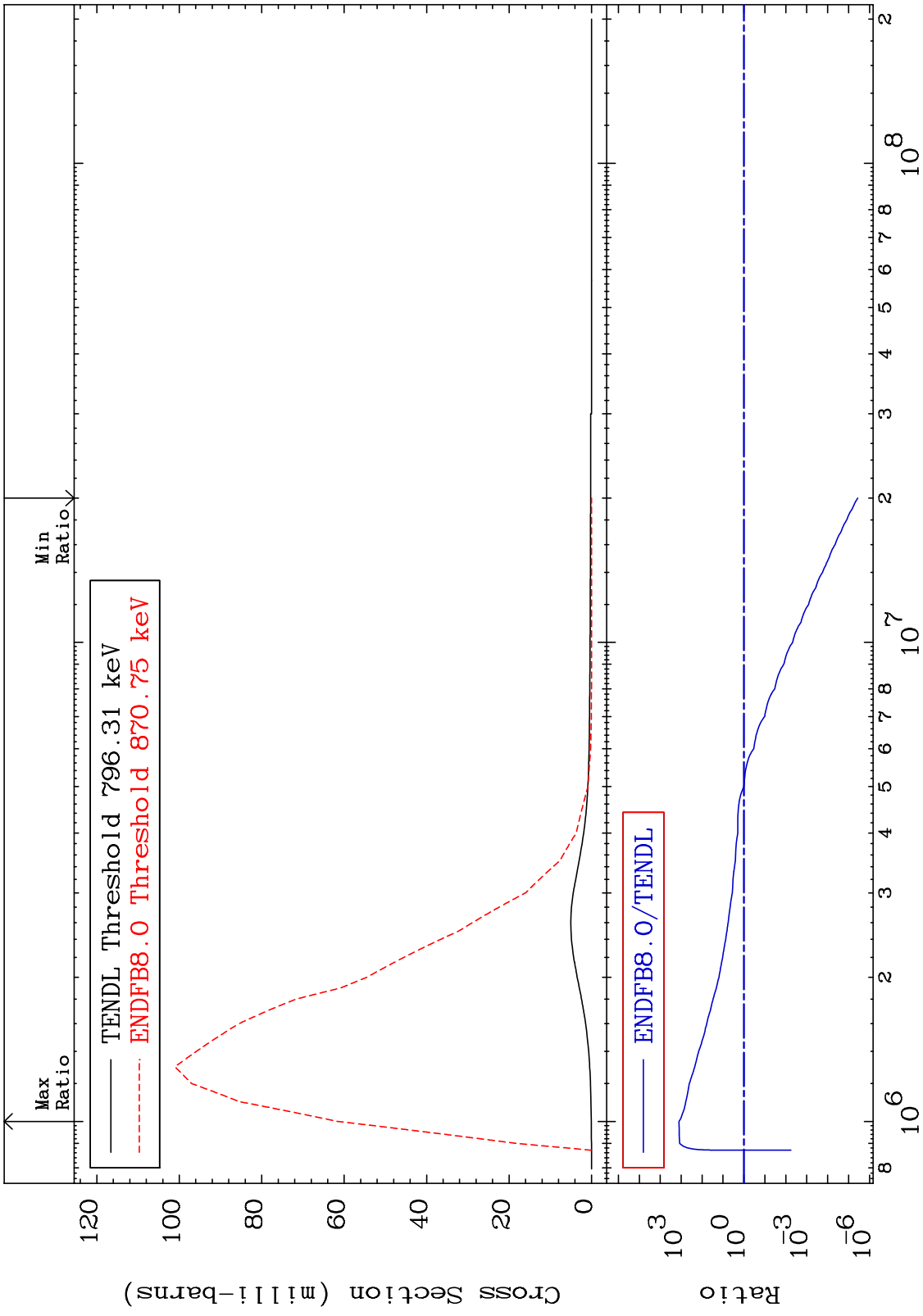
MAT 4731 MT= 60 (n,n') Level Cross Section 47-Ag-109
 -60.10 To 78.05 %



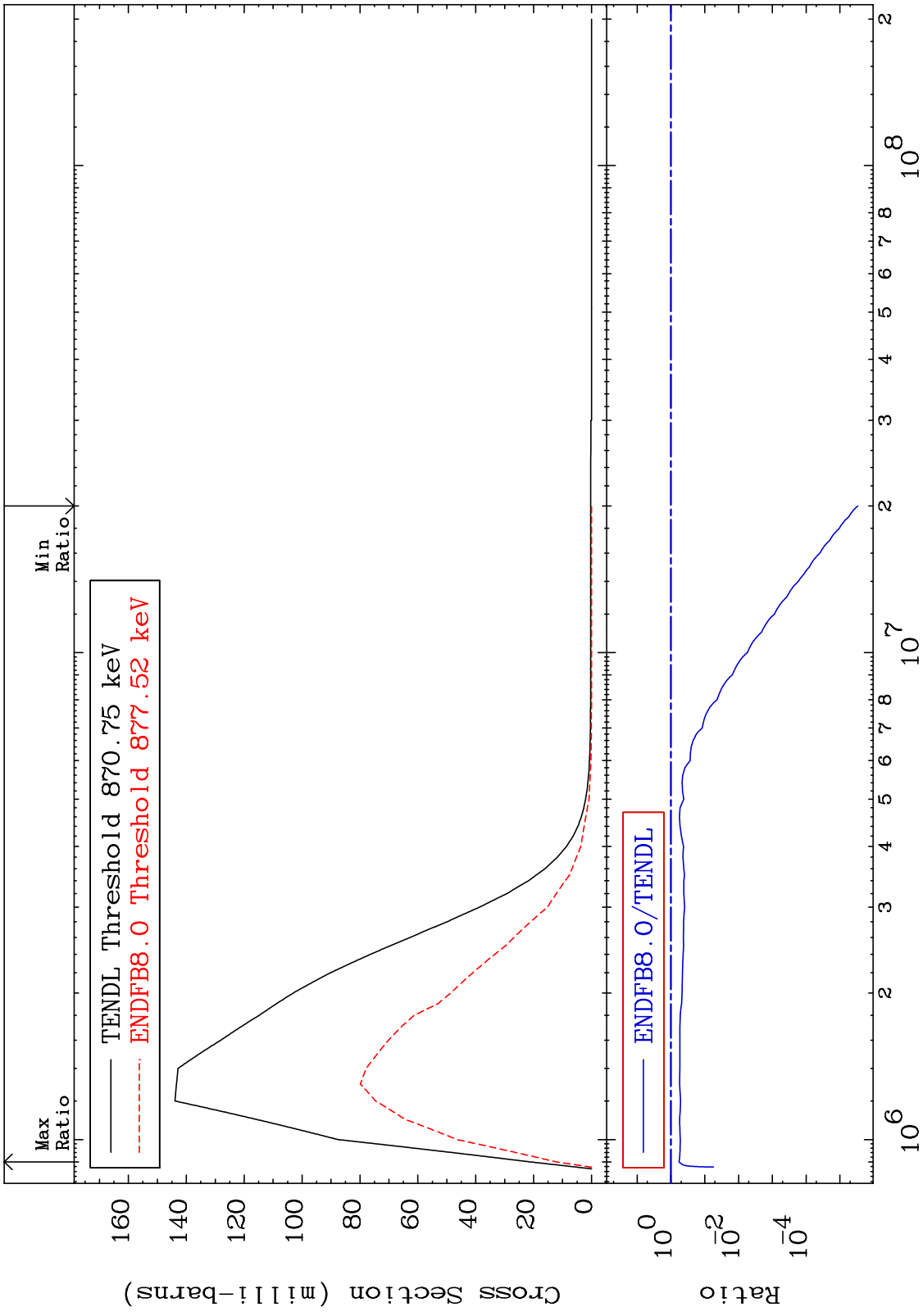
MAT 4731 MT= 61 (n,n') Level Cross Section -100.0 To 9999. % 47-Ag-109



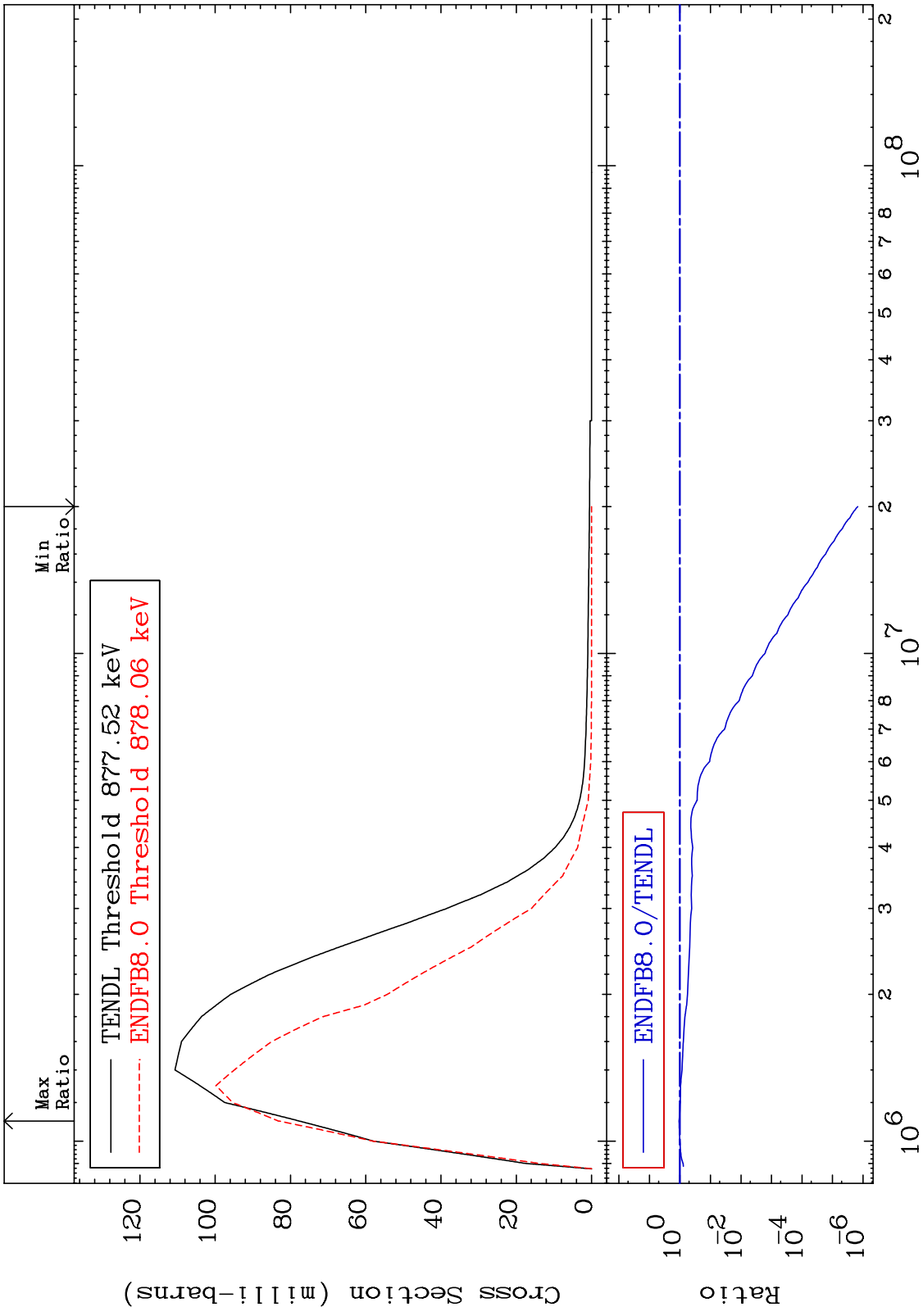
MAT 4731 MT= 62 (n,n') Level Cross Section -100.0 To 9999. % 47-Ag-109



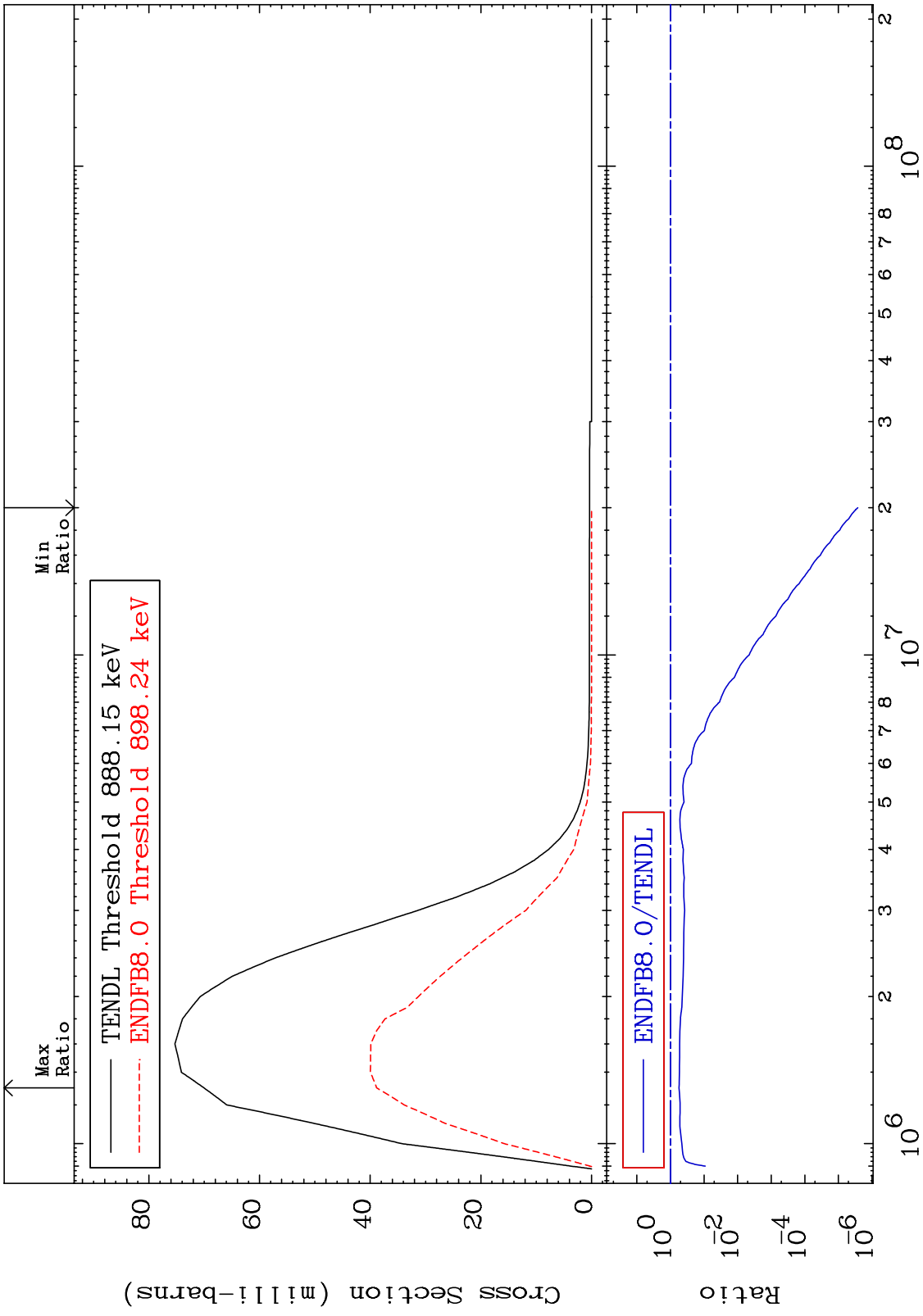
MAT 4731 MT= 63 (n,n') Level Cross Section -100.0 To -42.30% 47-Ag-109



MAT 4731 MT= 64 (n,n') Level Cross Section 47-Ag-109 -100.0 To 7.111 %

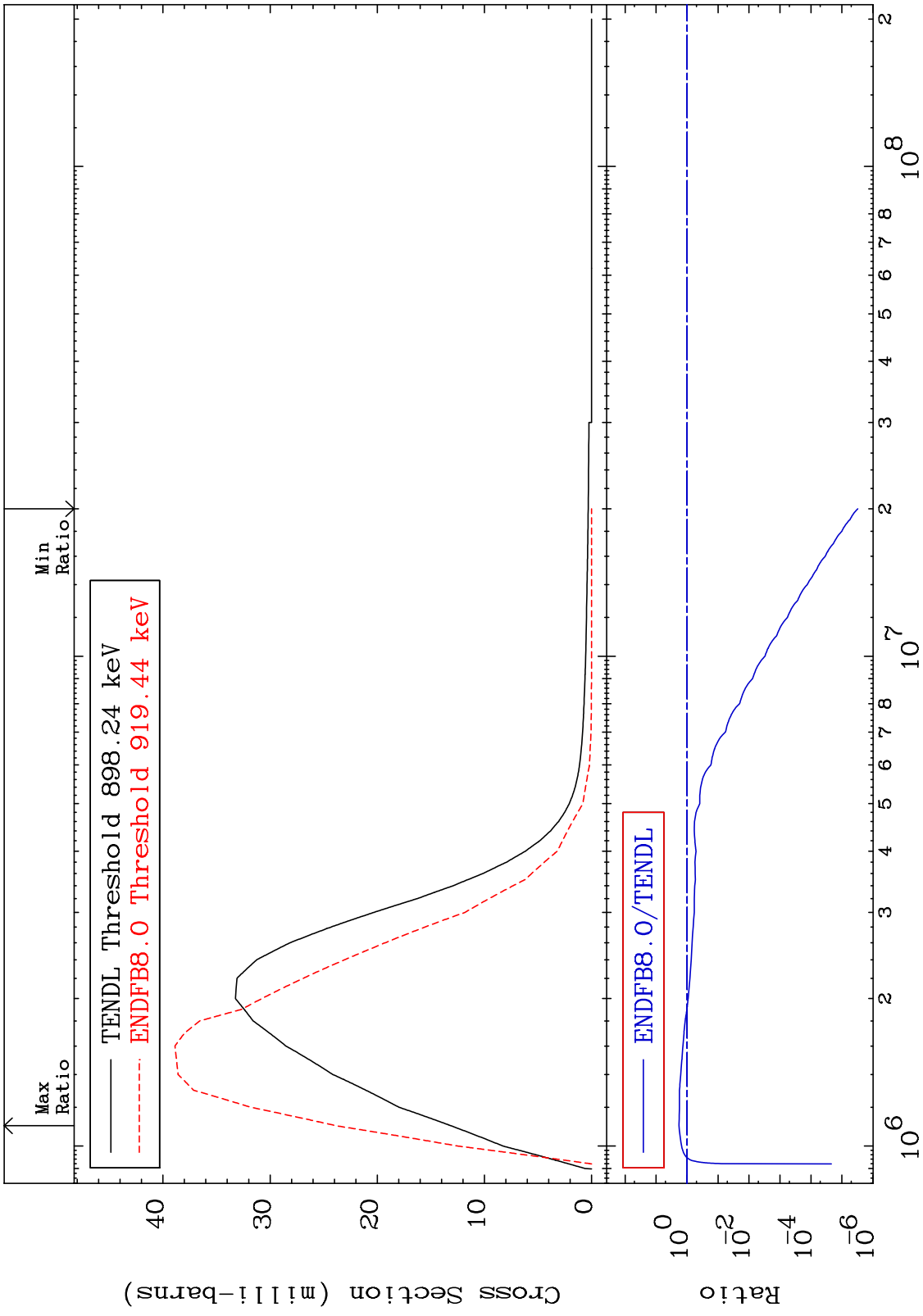


MAT 4731 MT= 65 (n,n') Level Cross Section -100.0 To -44.57% 47-Ag-109



24 47-Ag-109

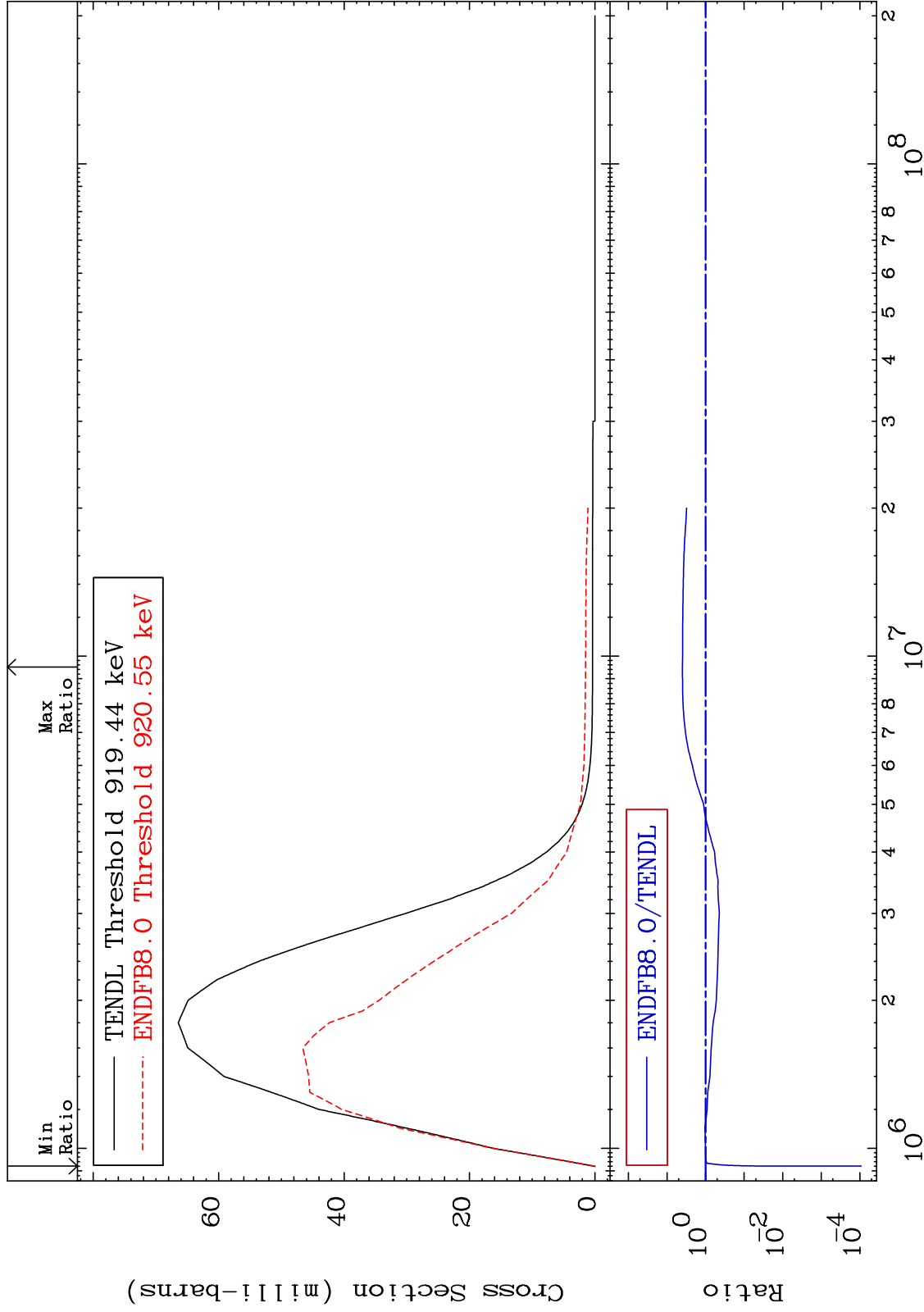
MAT 4731 MT= 66 (n,n') Level Cross Section 47-Ag-109 -100.0 To 81.72 %



MAT 4731

MT= 67 (n,n') Level
Cross Section

47-Ag-109
-99.99 To 297.8 %



26

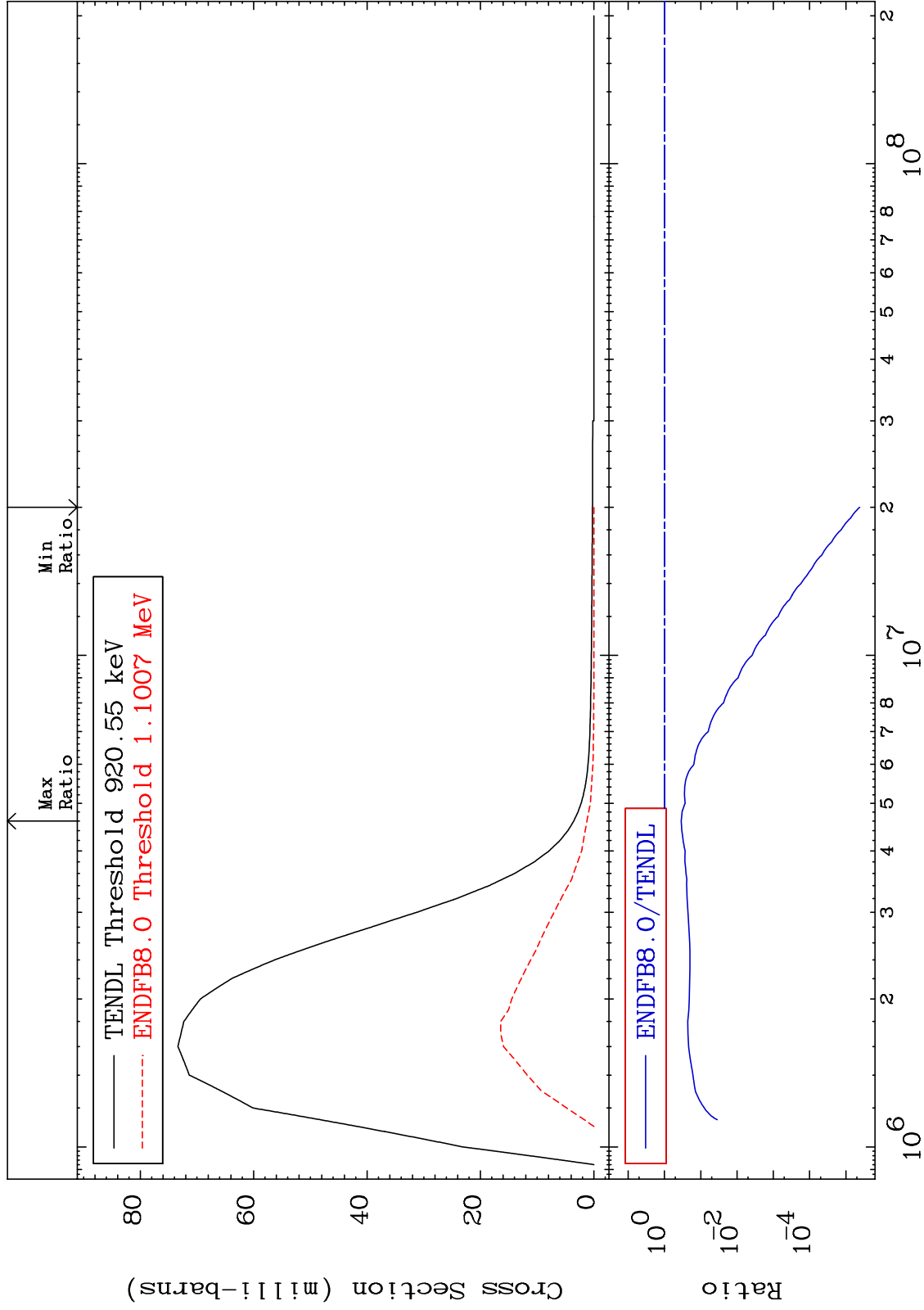
47-Ag-109

47-Ag-109

MAT 4731

MT= 68 (n,n') Level
Cross Section

47-Ag-109
-100.0 To -65.55%



27

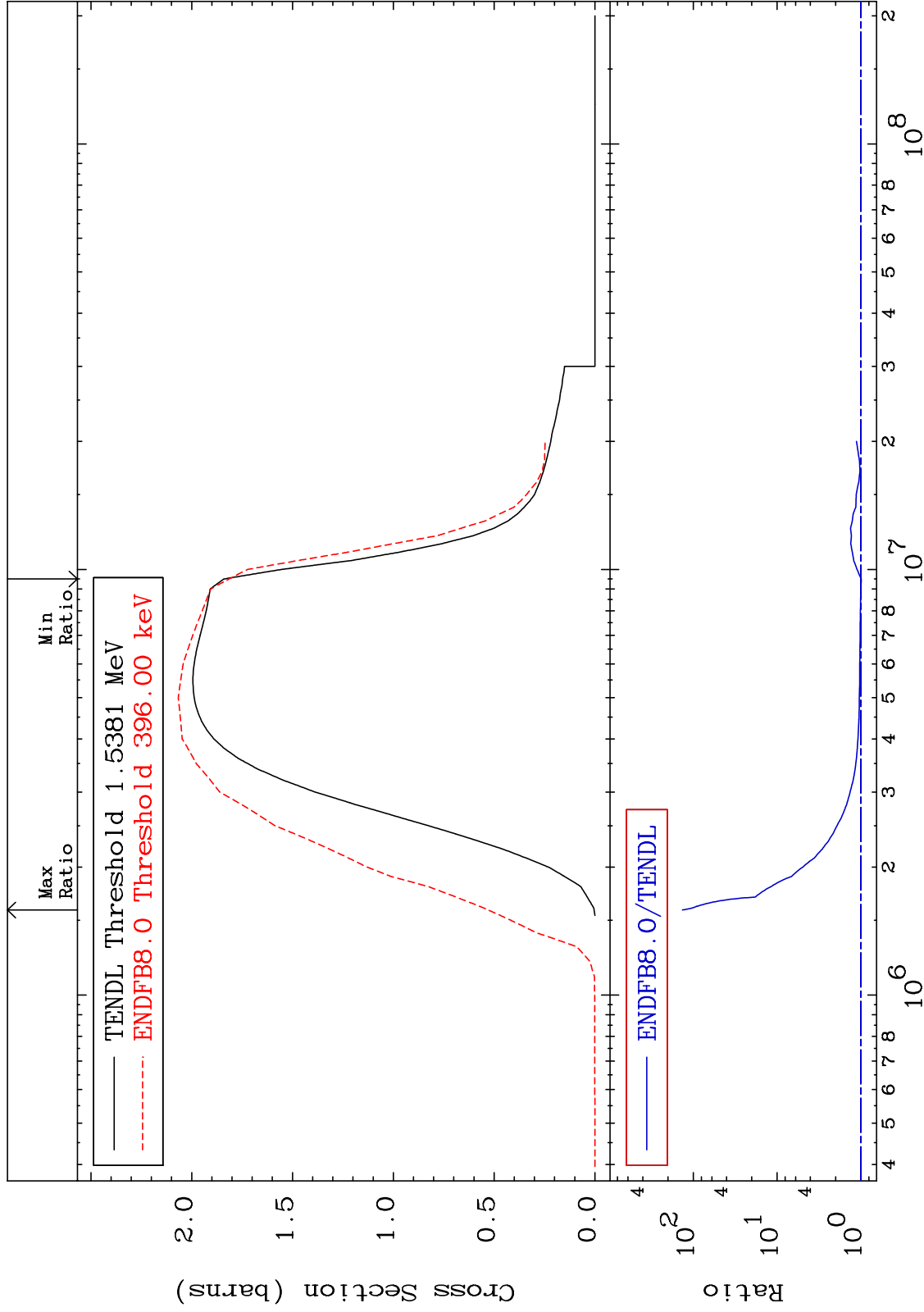
Incident Energy (eV)

47-Ag-109

MAT 4731

(n, n') Continuum
Cross Section

47-Ag-109
-1.392 To 9999. %



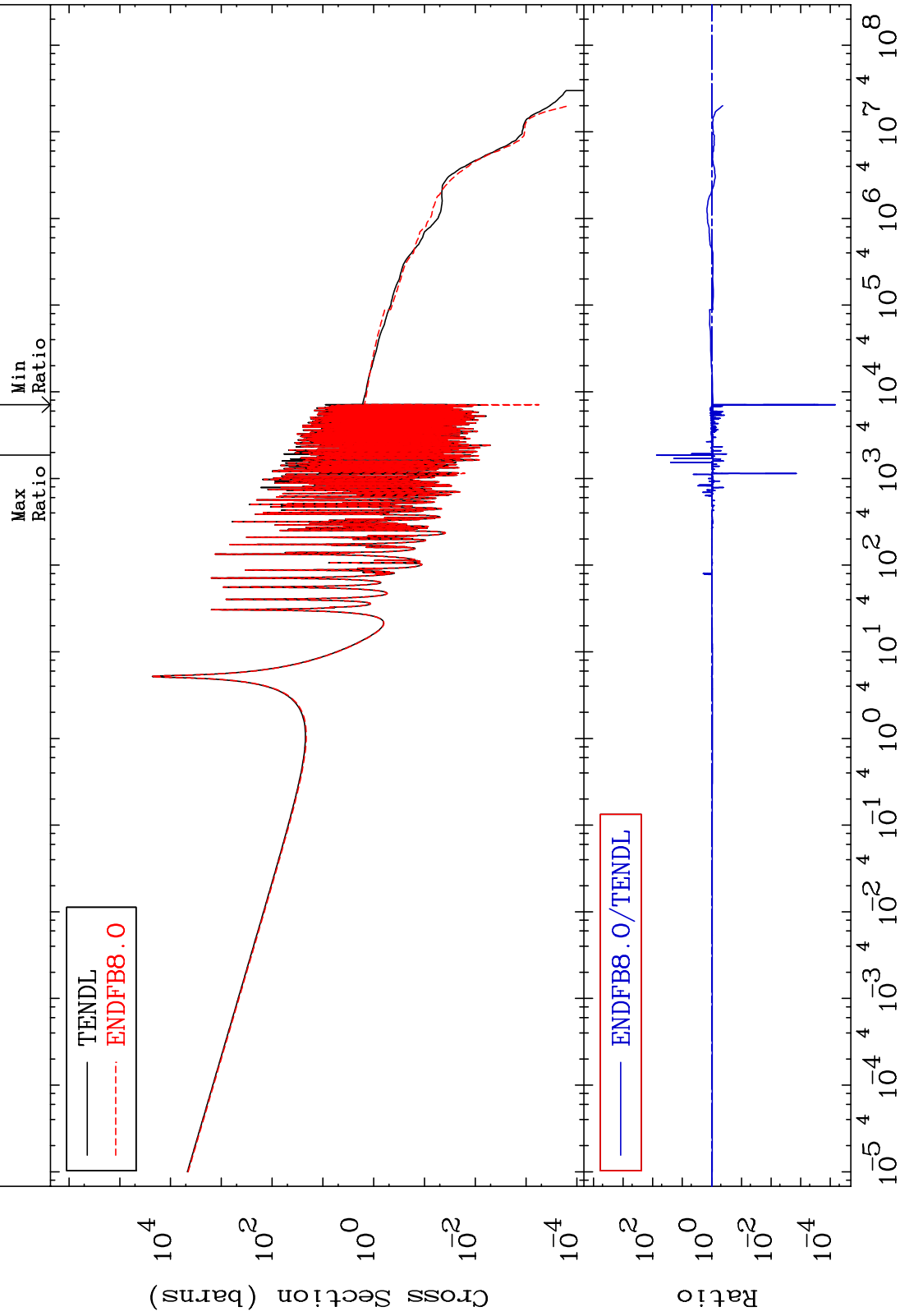
MAT 4731

(n, γ)

47-Ag-109

-99.99 To 7360. %

Cross Section



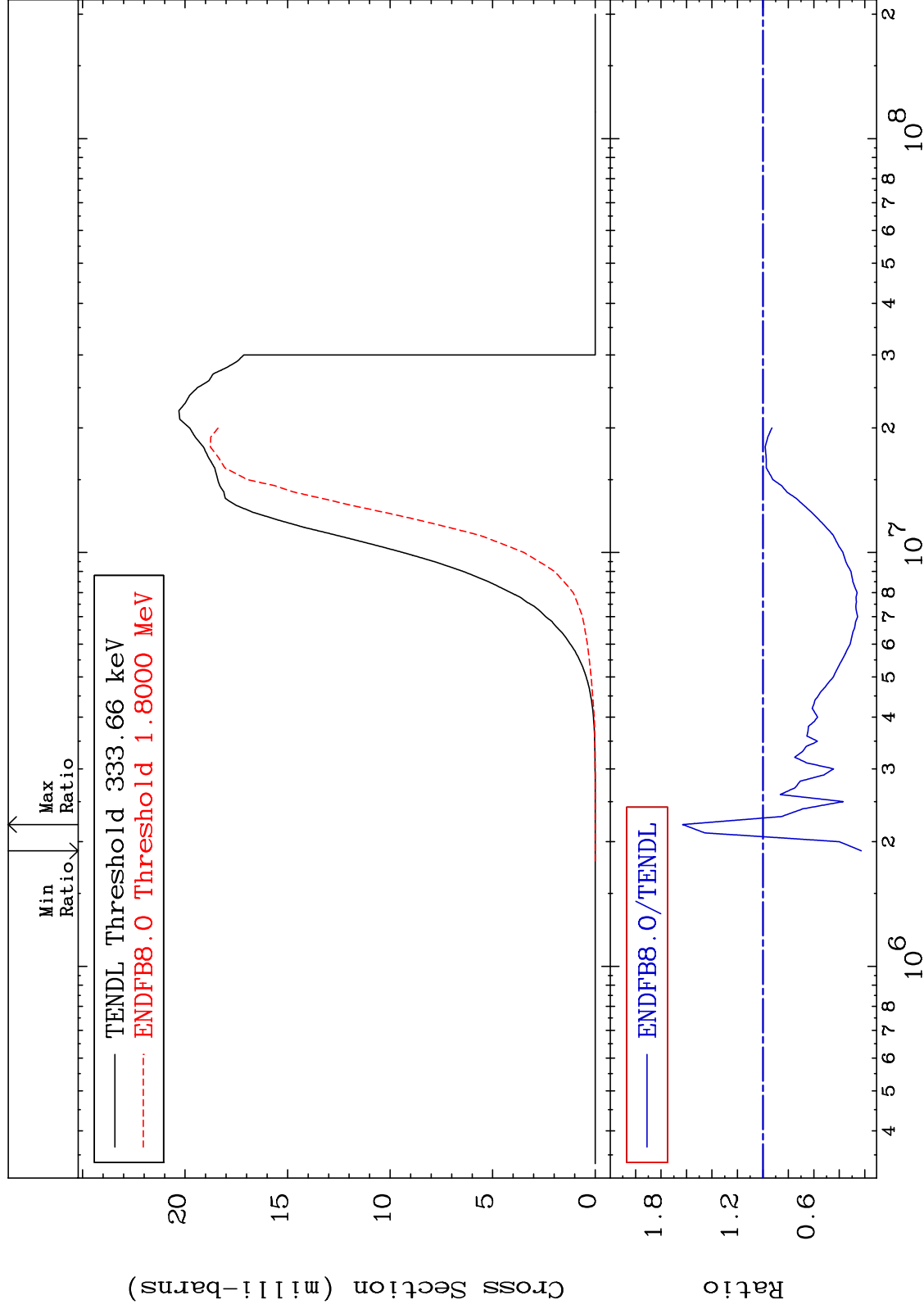
MAT 4731

(n,p)

47-Ag-109

Cross Section

-77.31 To 63.01 %



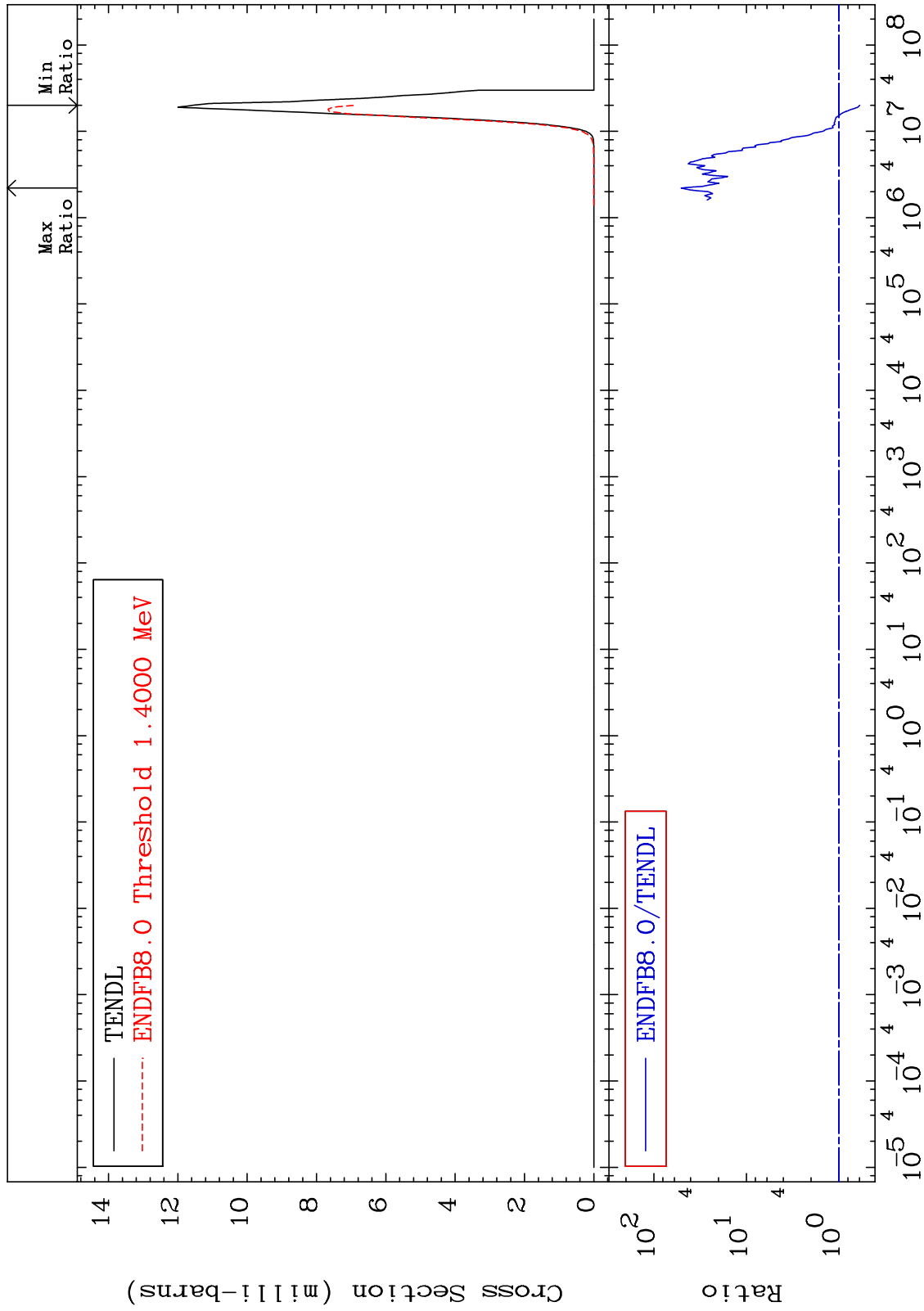
MAT 4731

(n, α)

47-Ag-109

Cross Section

-40.28 To 4955. %



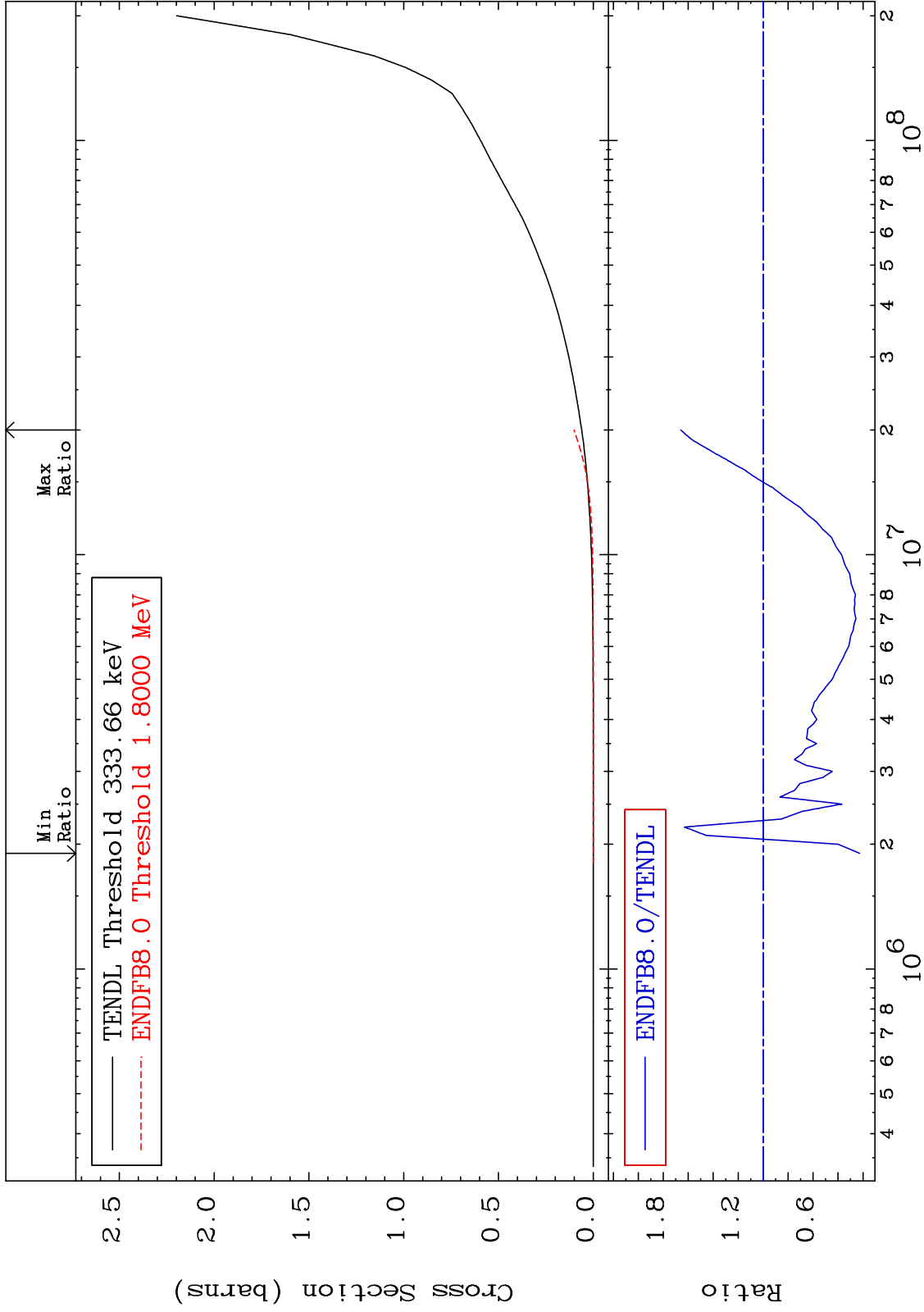
31

47-Ag-109

MAT 4731

Hydrogen Production
Cross Section

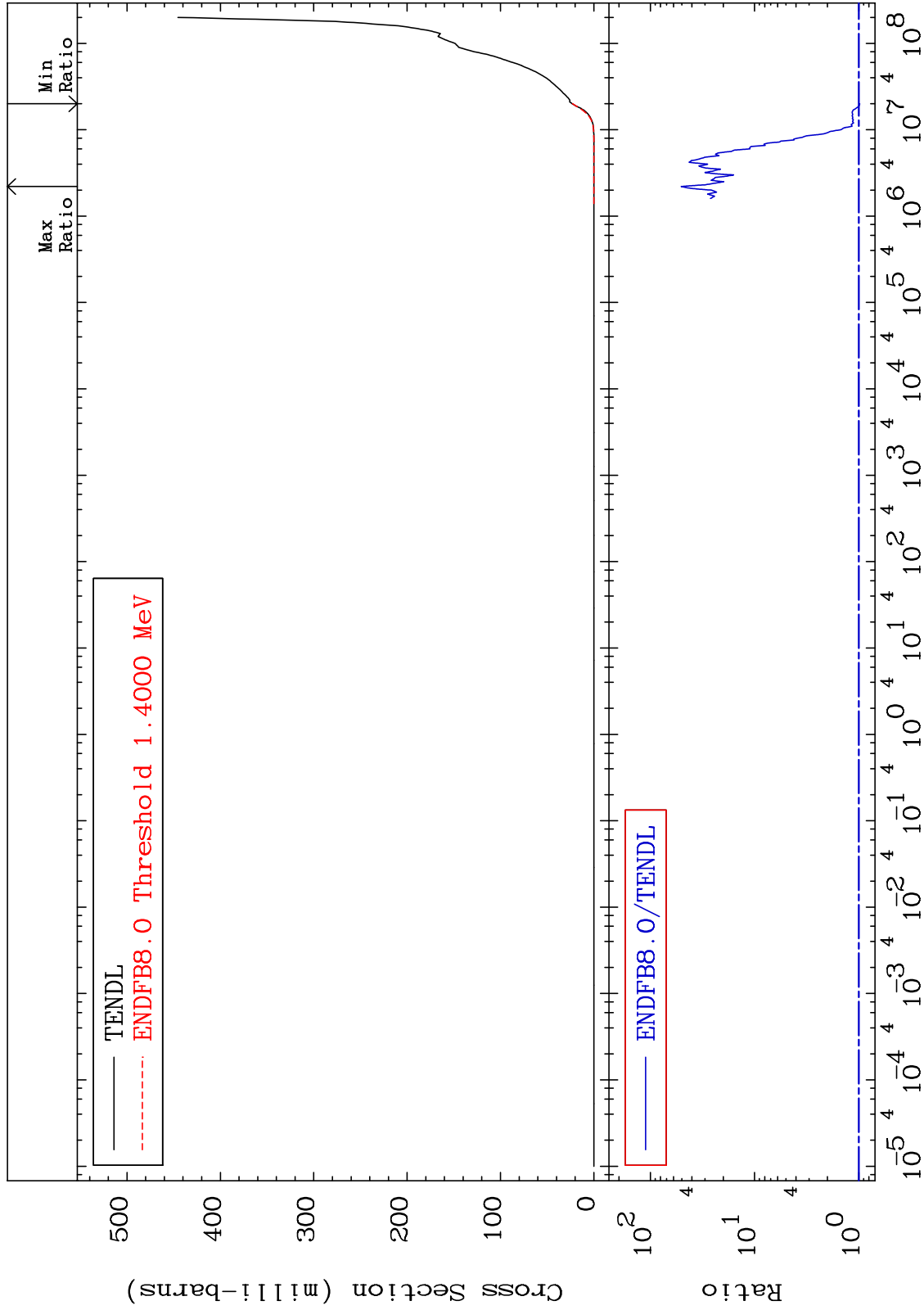
47-Ag-109
-77.31 To 65.94 %



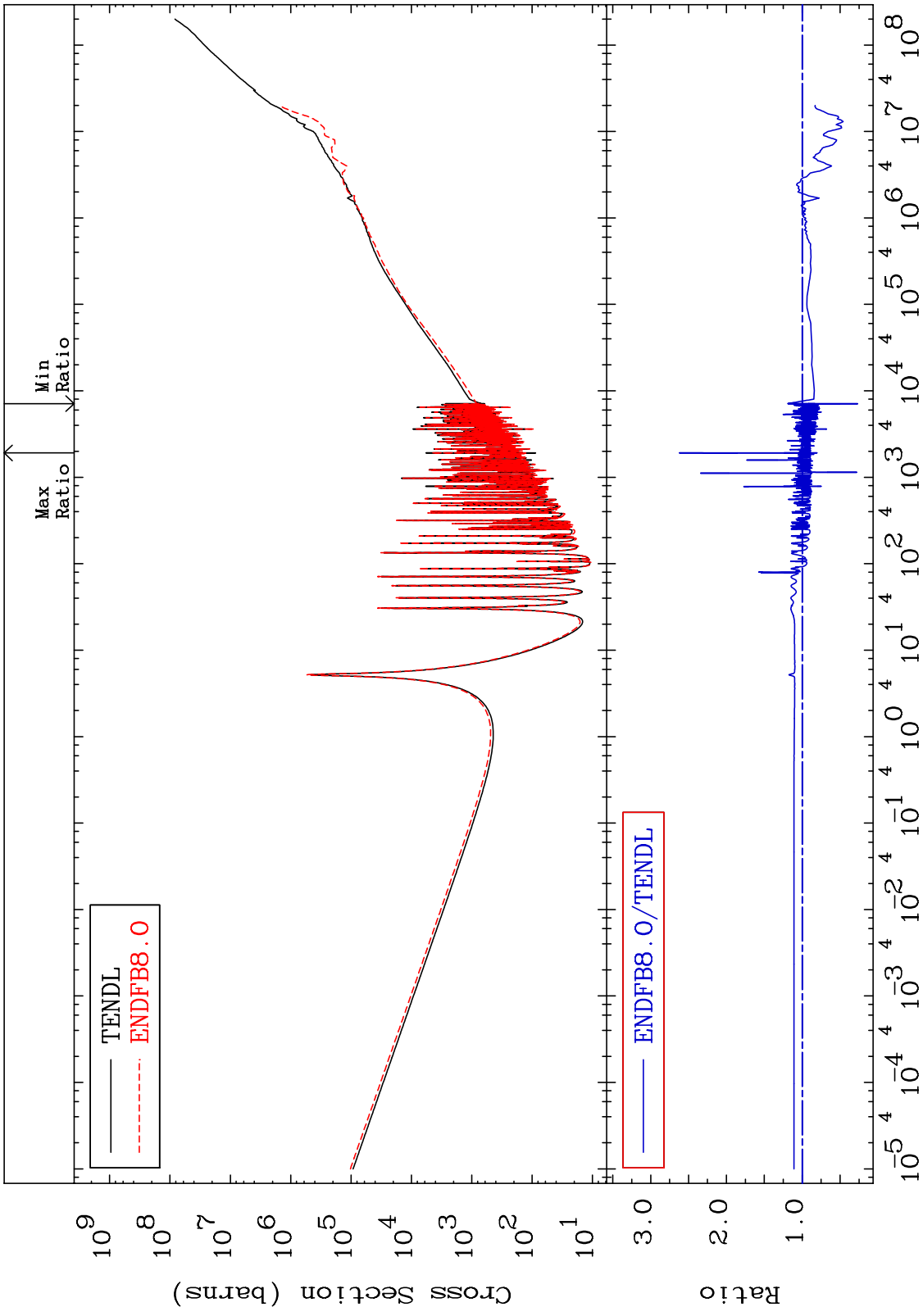
MAT 4731

He-4 Production
Cross Section

47-Ag-109
-2.060 To 4955. %



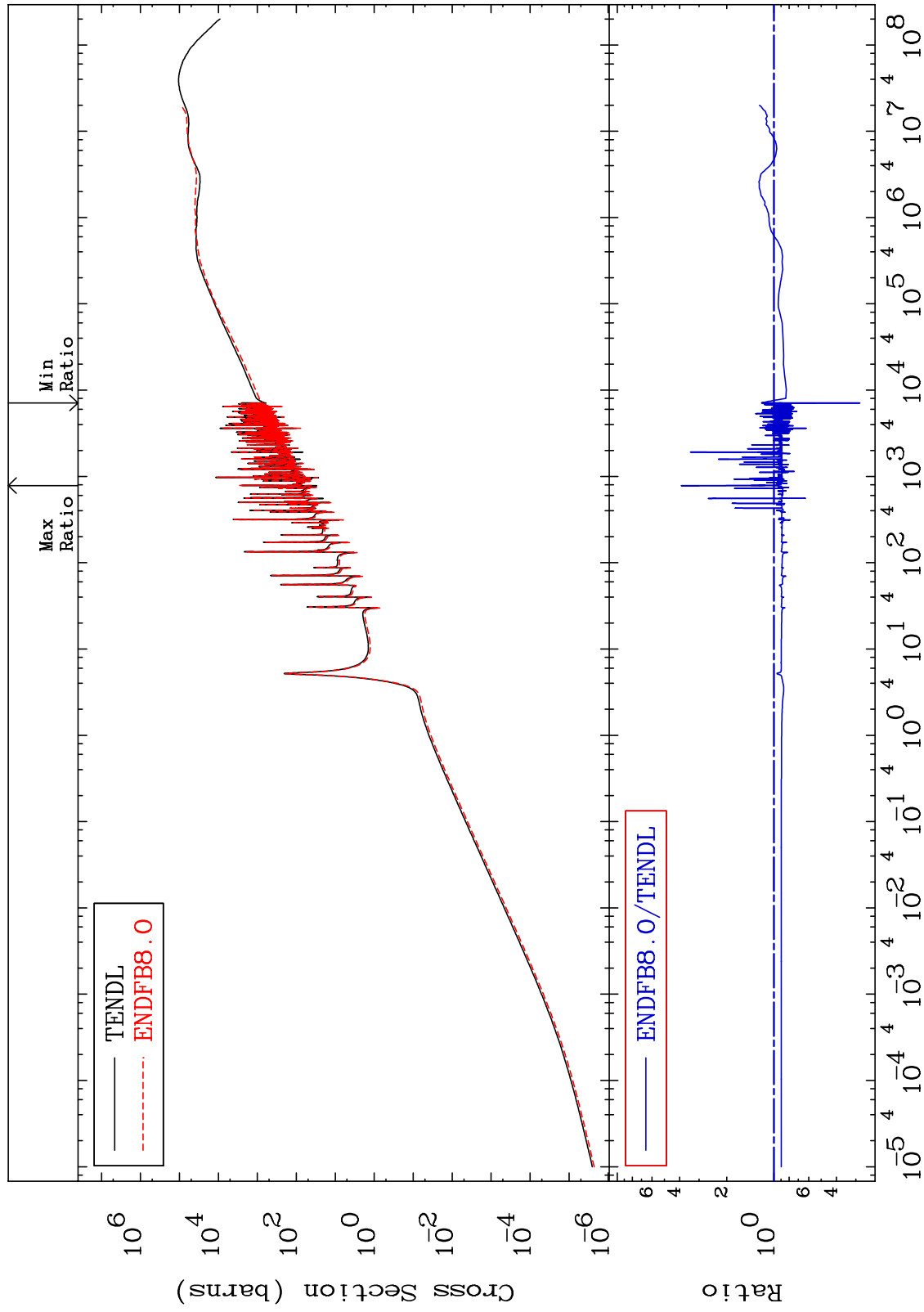
MAT 4731 Kerma total (eV-barns) 47-Ag-109
 Cross Section -73.46 To 162.6 %



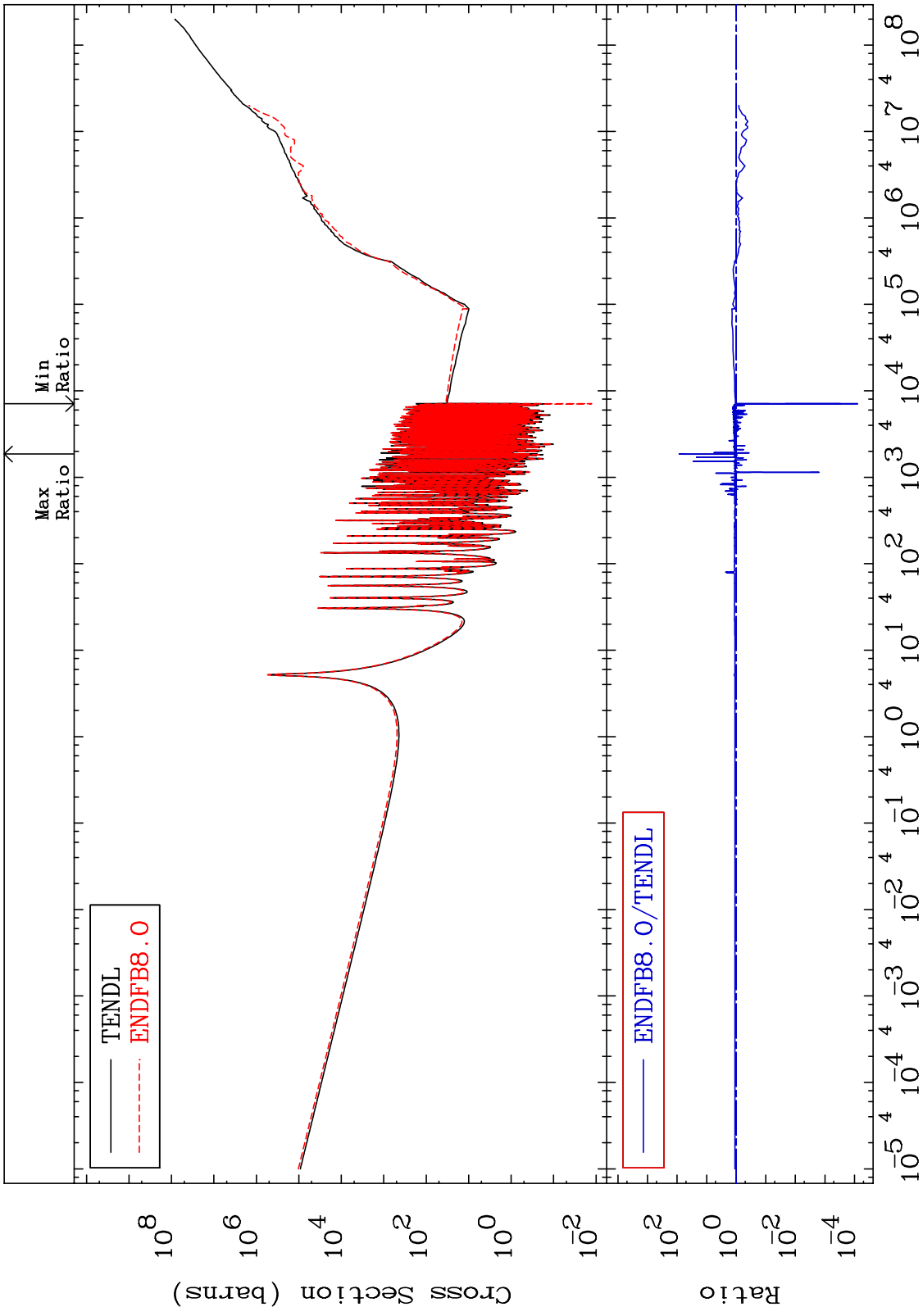
MAT 4731

Kerma elastic
Cross Section

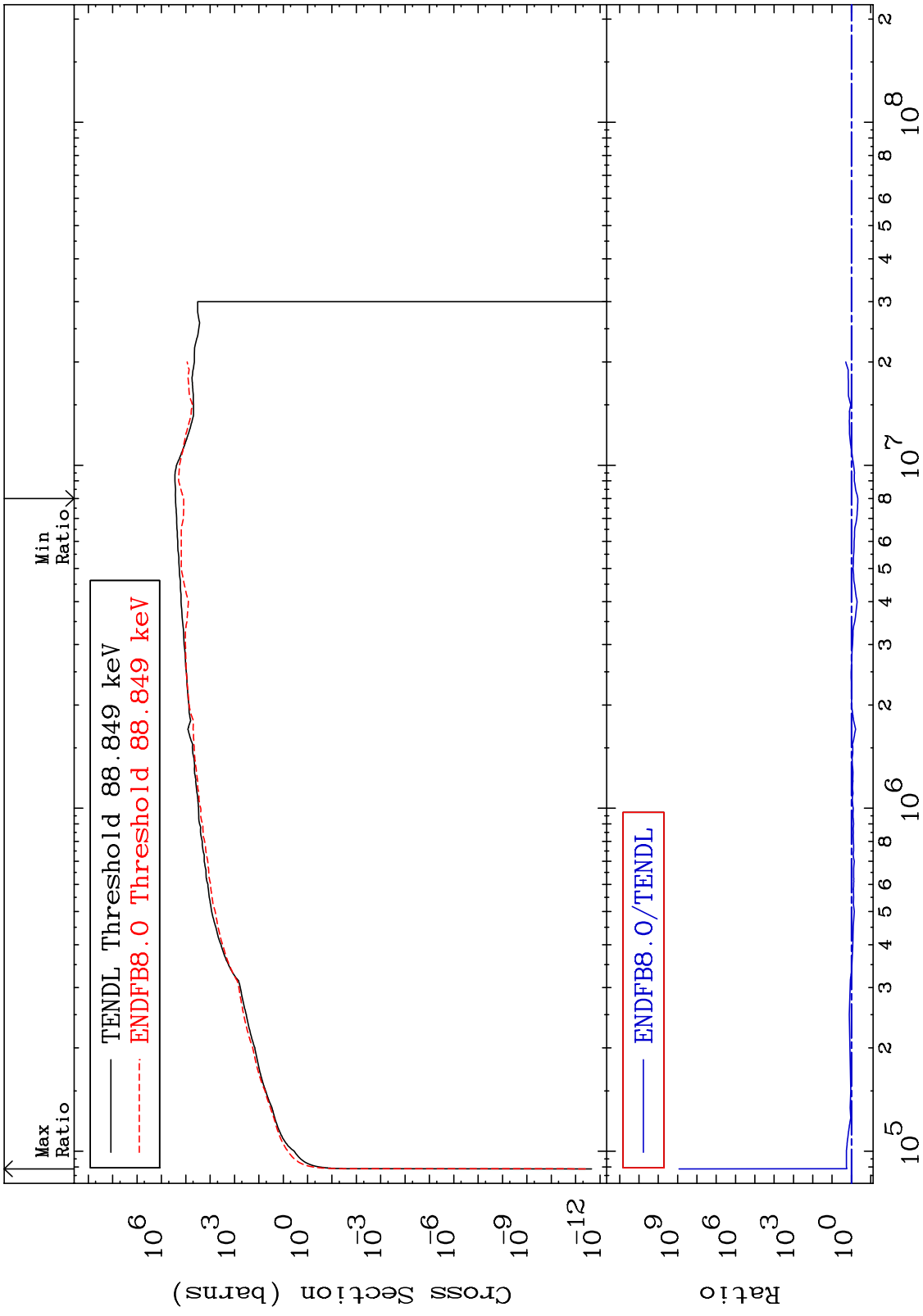
47-Ag-109
-71.67 To 289.0 %



MAT 4731 Kerma non-elastic (all but mt2) 47-Ag-109
 Cross Section -99.99 To 8489. %



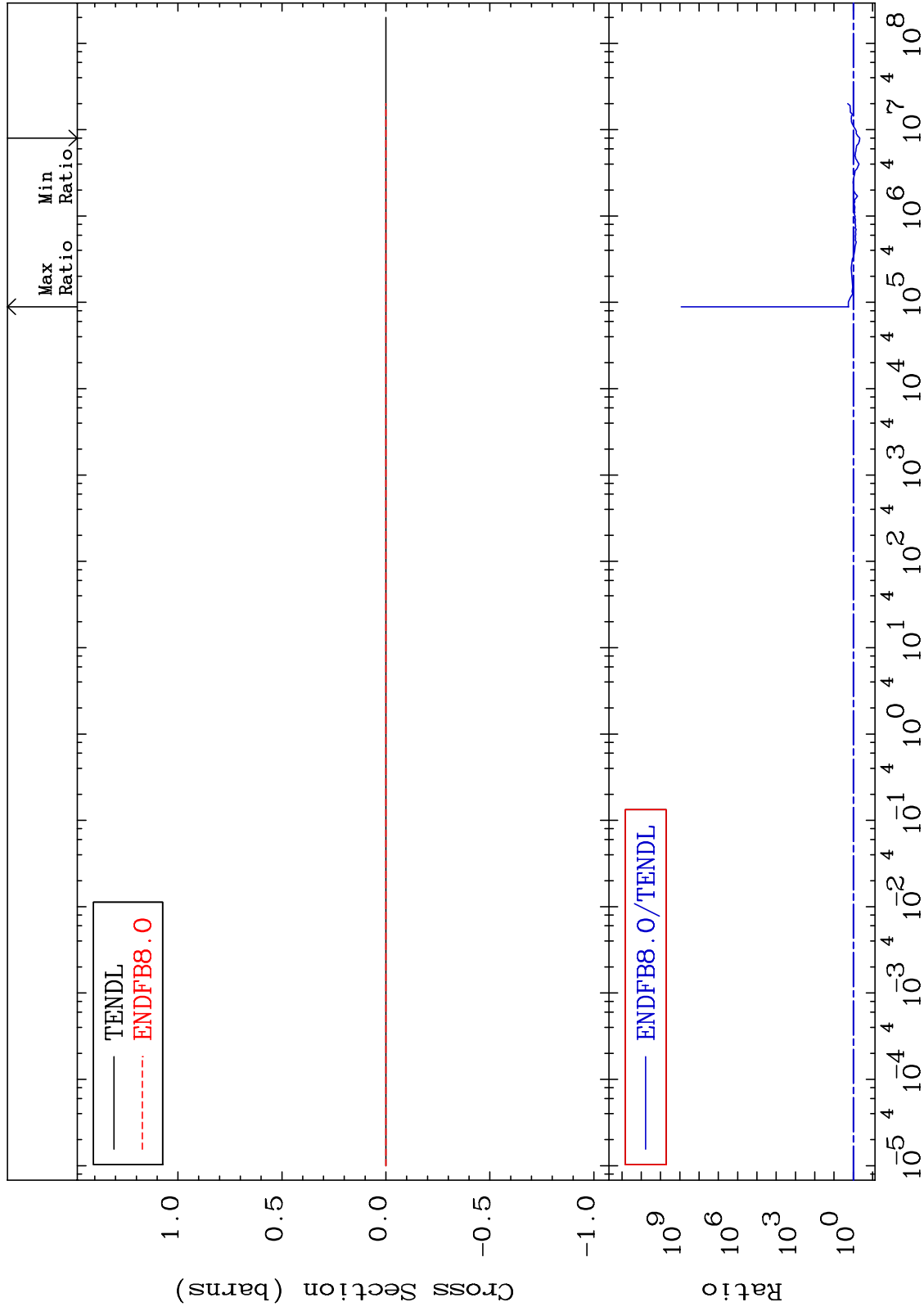
MAT 4731 Kerma inelastic (mt51-91) 47-Ag-109
 Cross Section -53.58 To 9999. %



MAT 4731

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

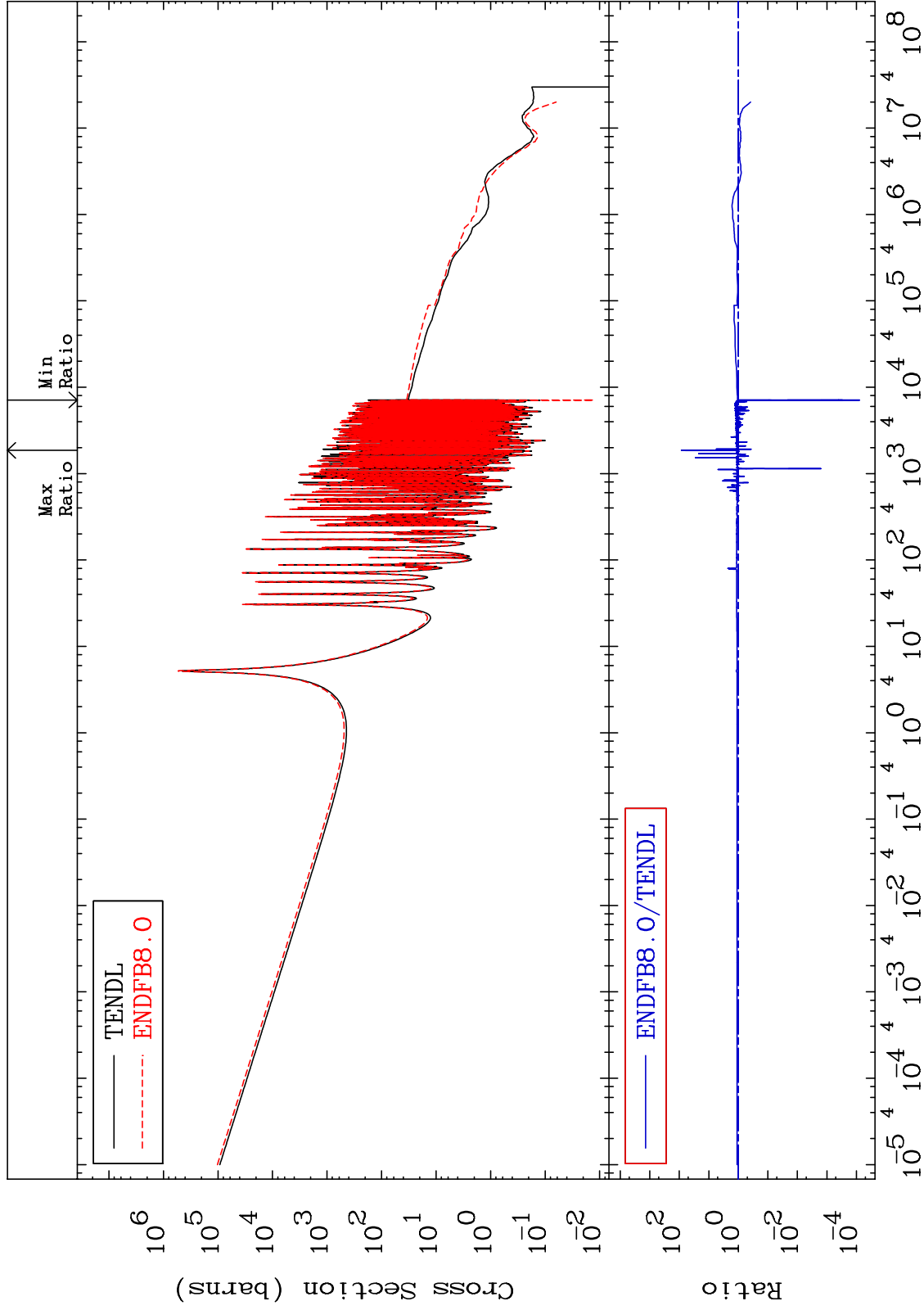
47-Ag-109
-53.58 To 9999. %



MAT 4731

Kerma capture (mt102)
Cross Section

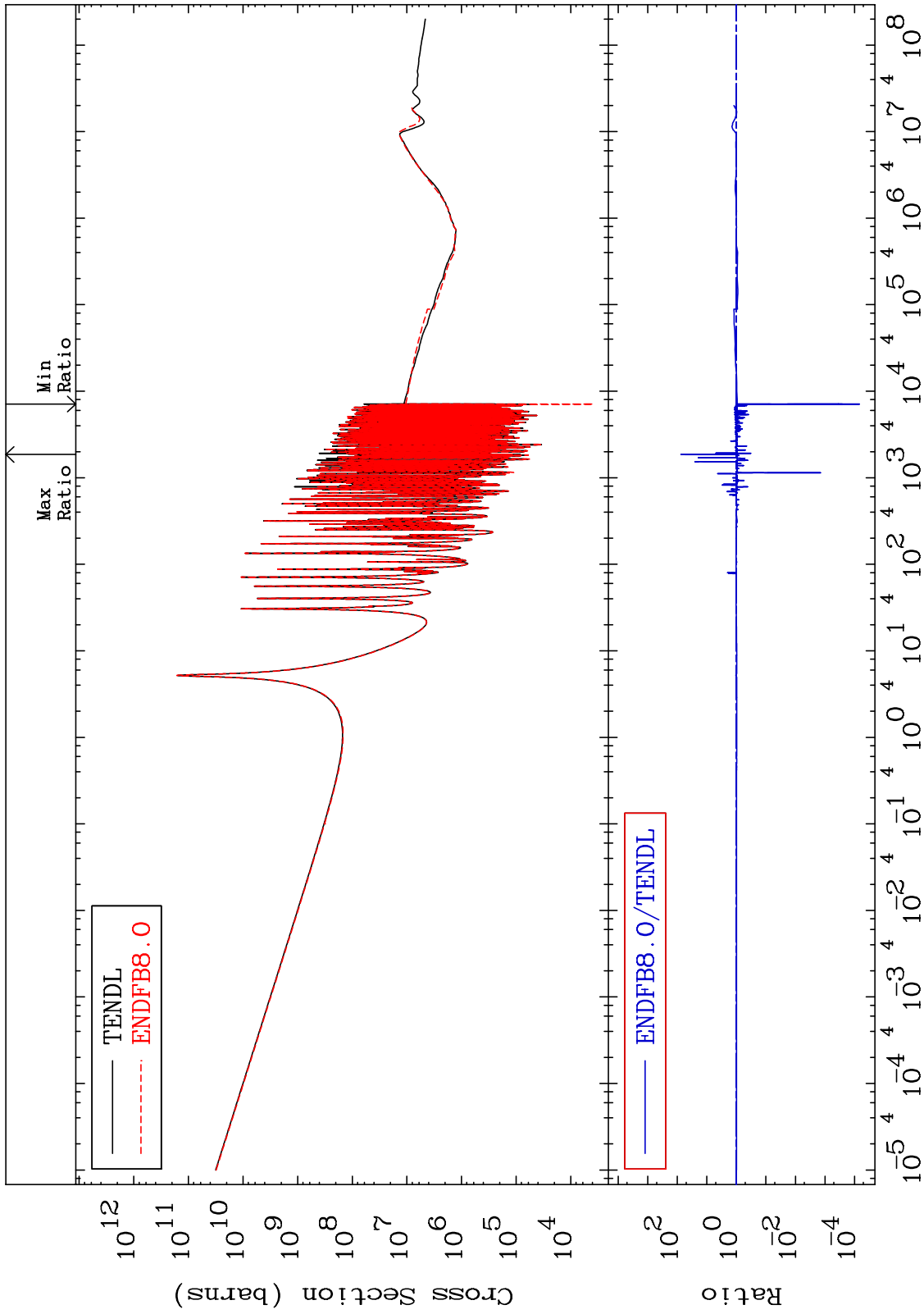
47-Ag-109
-99.99 To 8489. %



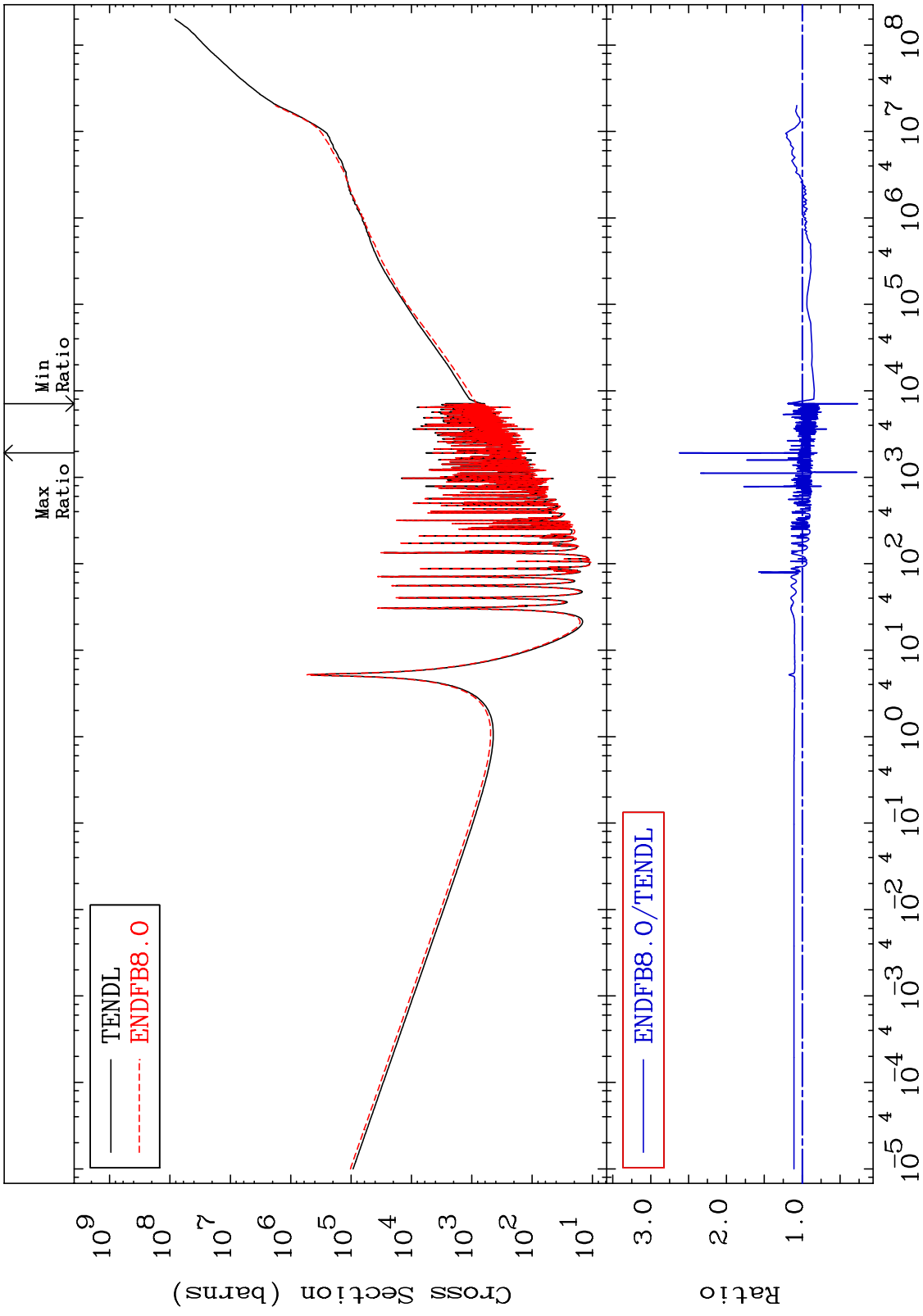
MAT 4731

Total photon (eV-barns)
Cross Section

47-Ag-109
-99.99 To 7471. %



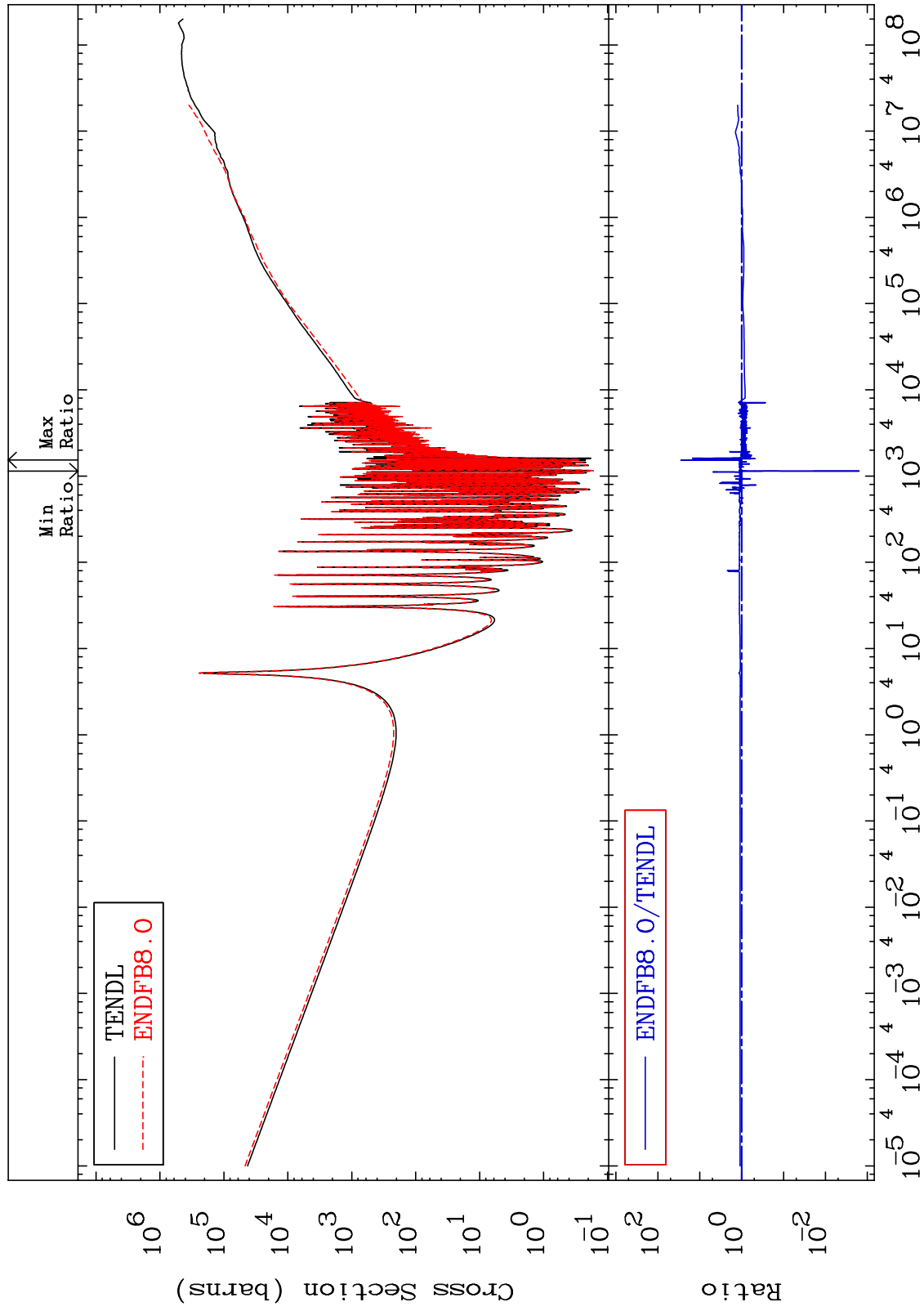
MAT 4731 Total kinematic kerma (high limit) 47-Ag-109
 Cross Section -73.46 To 162.6 %



MAT 4731

Dpa total (eV-barns)
Cross Section

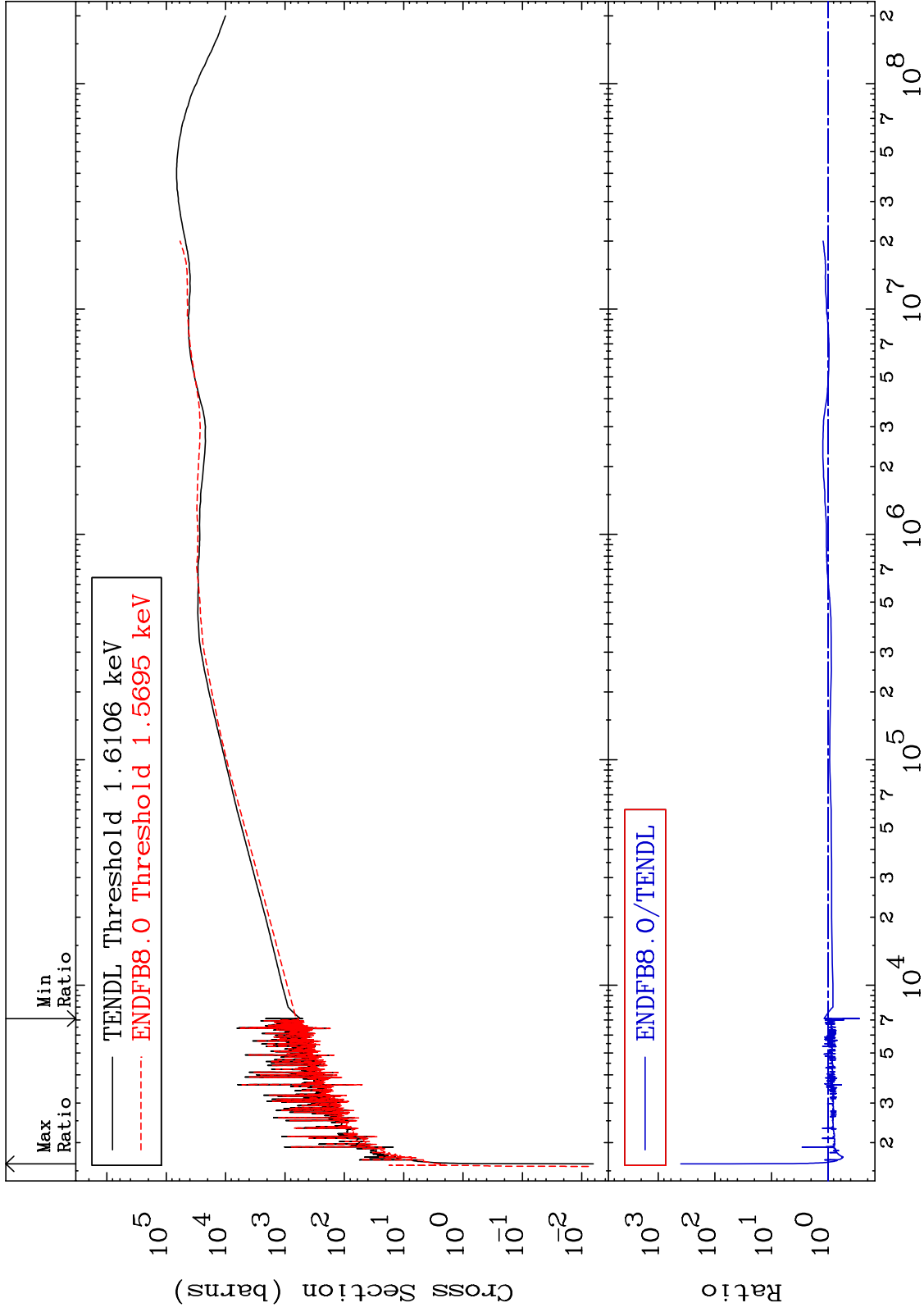
47-Ag-109
-99.84 To 2723. %

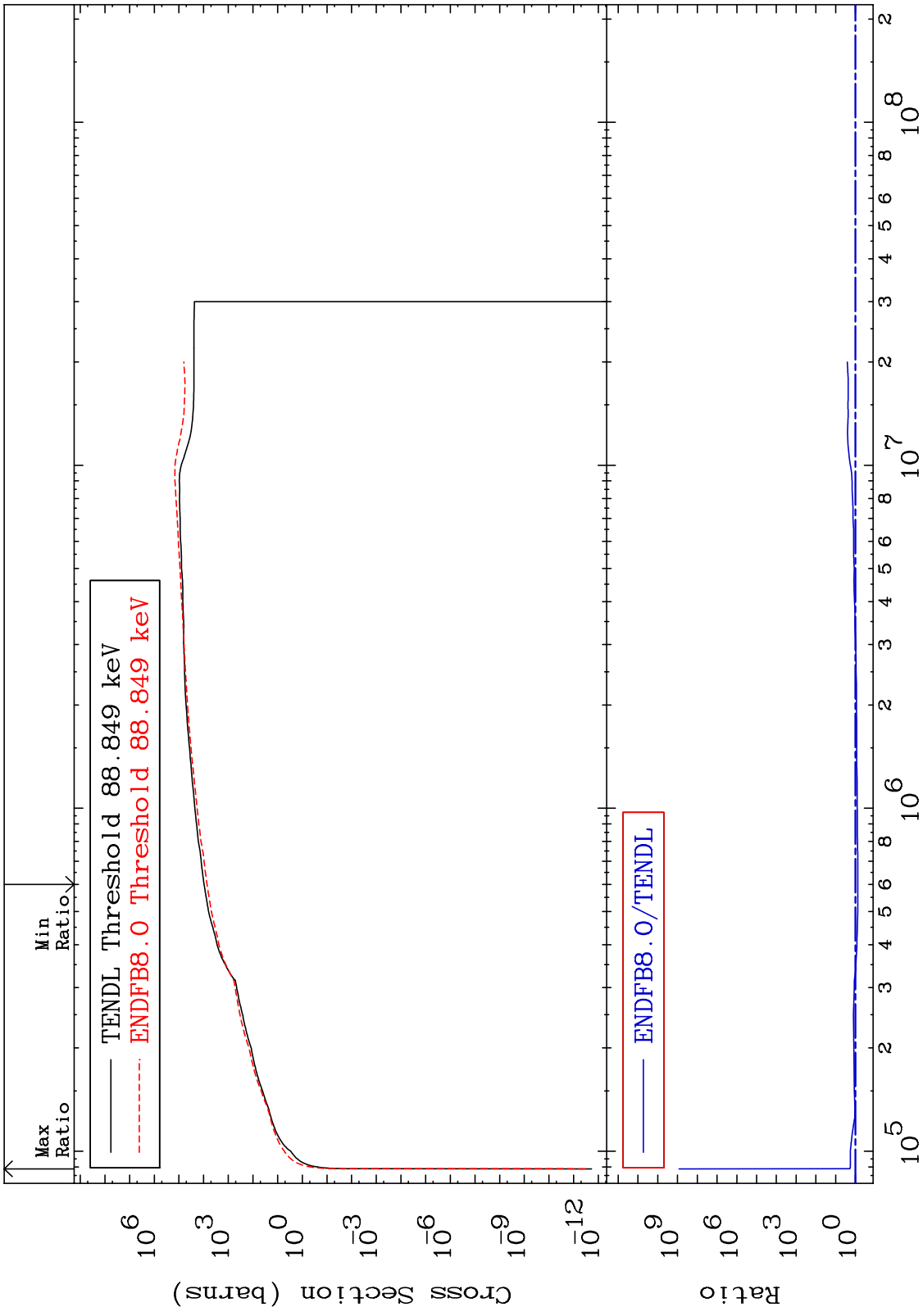


MAT 4731

Dpa elastic (mt2)
Cross Section

47-Ag-109
-72.16 To 9999. %





MAT 4731

Dpa disappearance (mt102 -120)
Cross Section

47-Ag-109
-99.99 To 8390. %

