

Program Complot  
(Version 2018-1)

by

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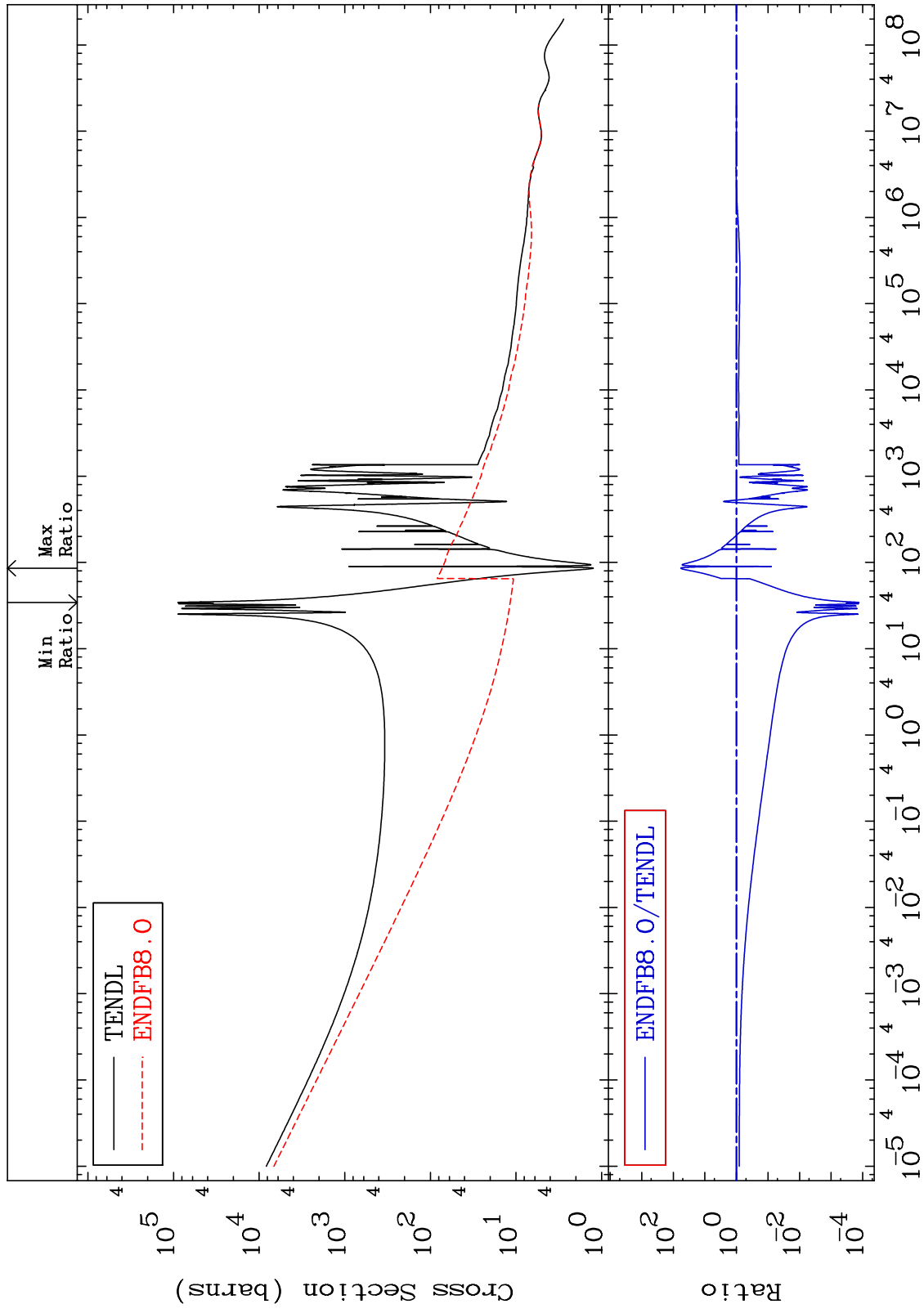
U.S.A.

Tele: 925-443-1911

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

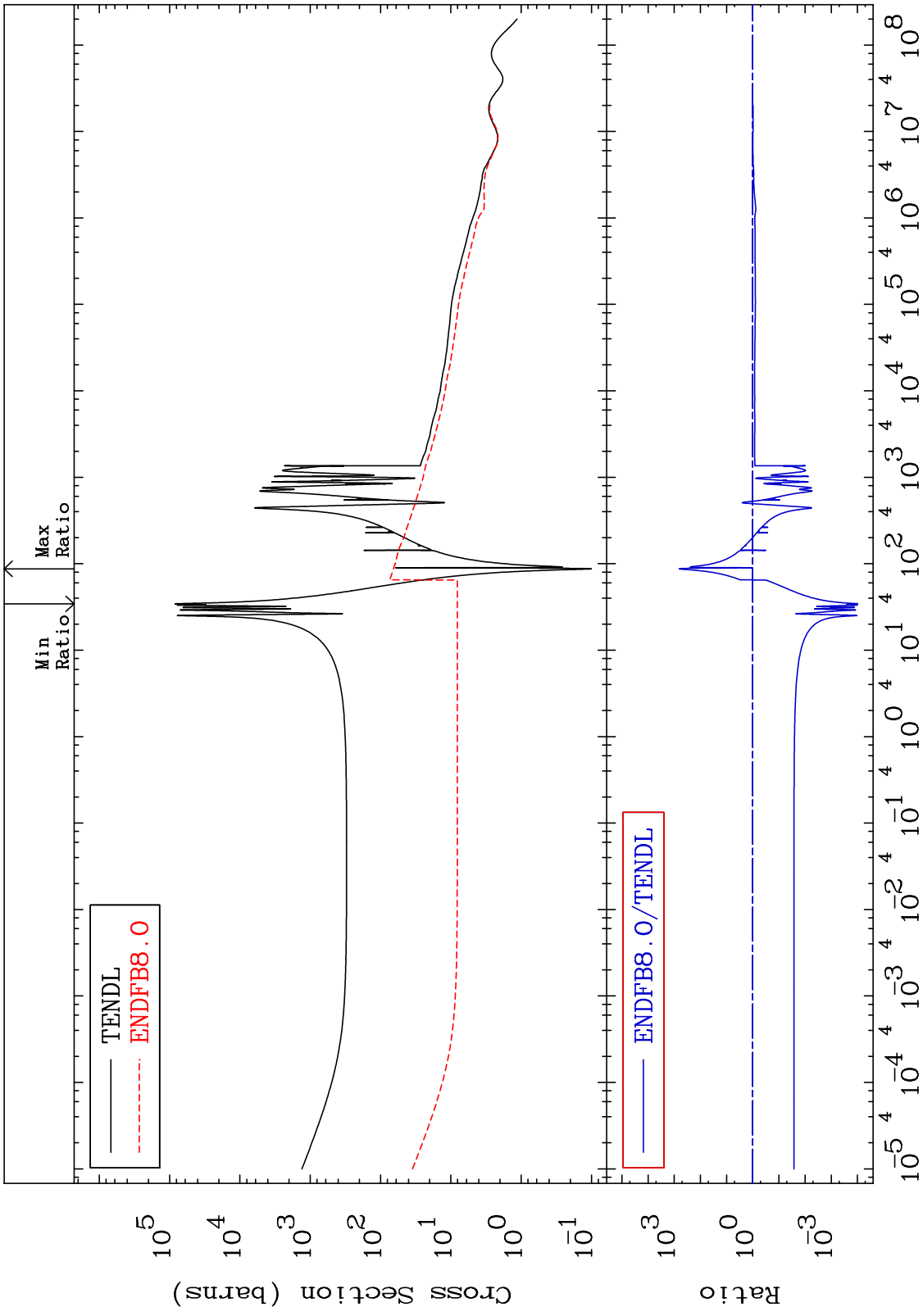
Press Mouse Button to Start

MAT 7249 72-Hf-182  
Total Cross Section -99.99 To 5744. %



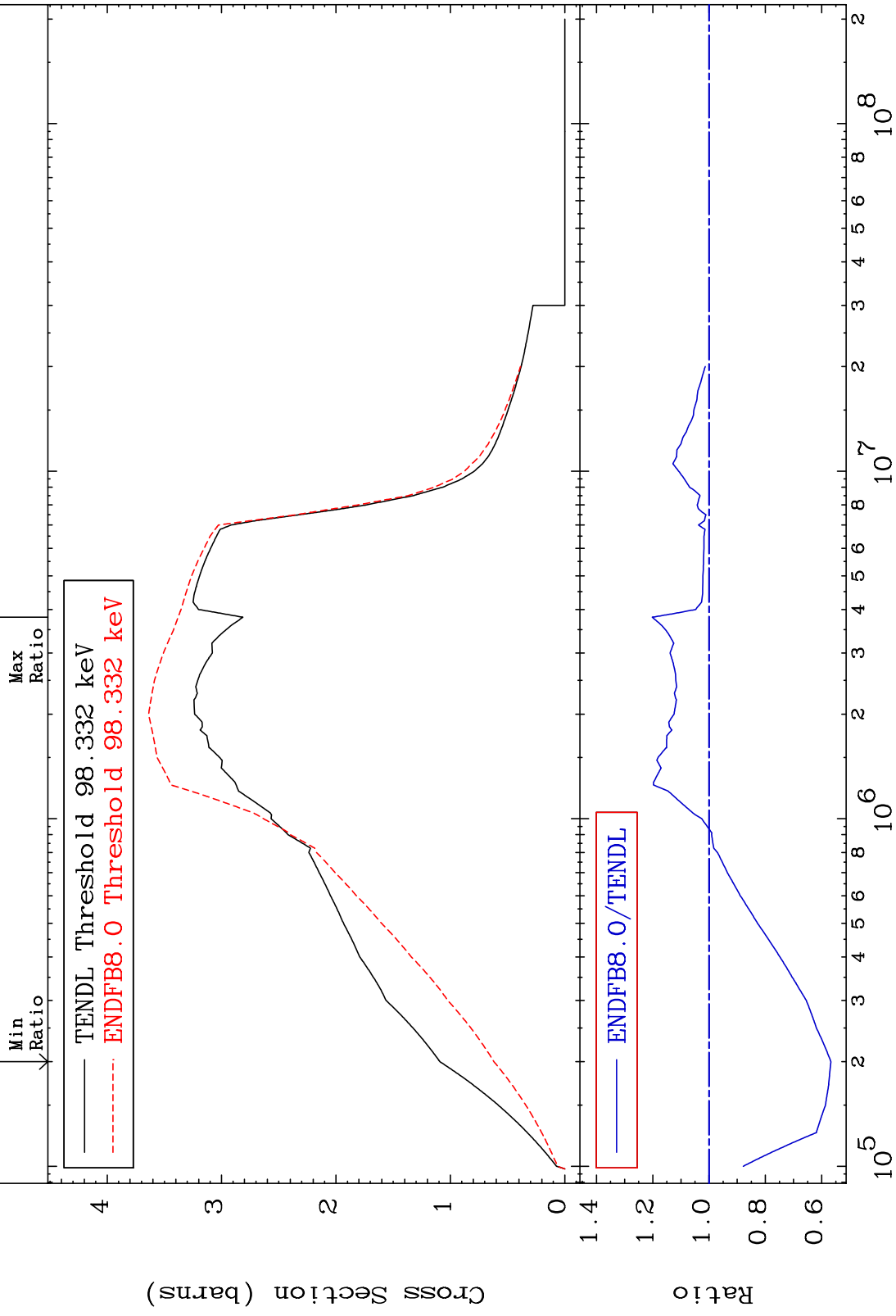
1 Incident Energy (eV) 72-Hf-182

MAT 7249 Elastic Cross Section 72-Hf-182 -99.99 To 9999. %



MAT 7249 72-Hf-182 -43.25 To 20.17 %

Inelastic Cross Section

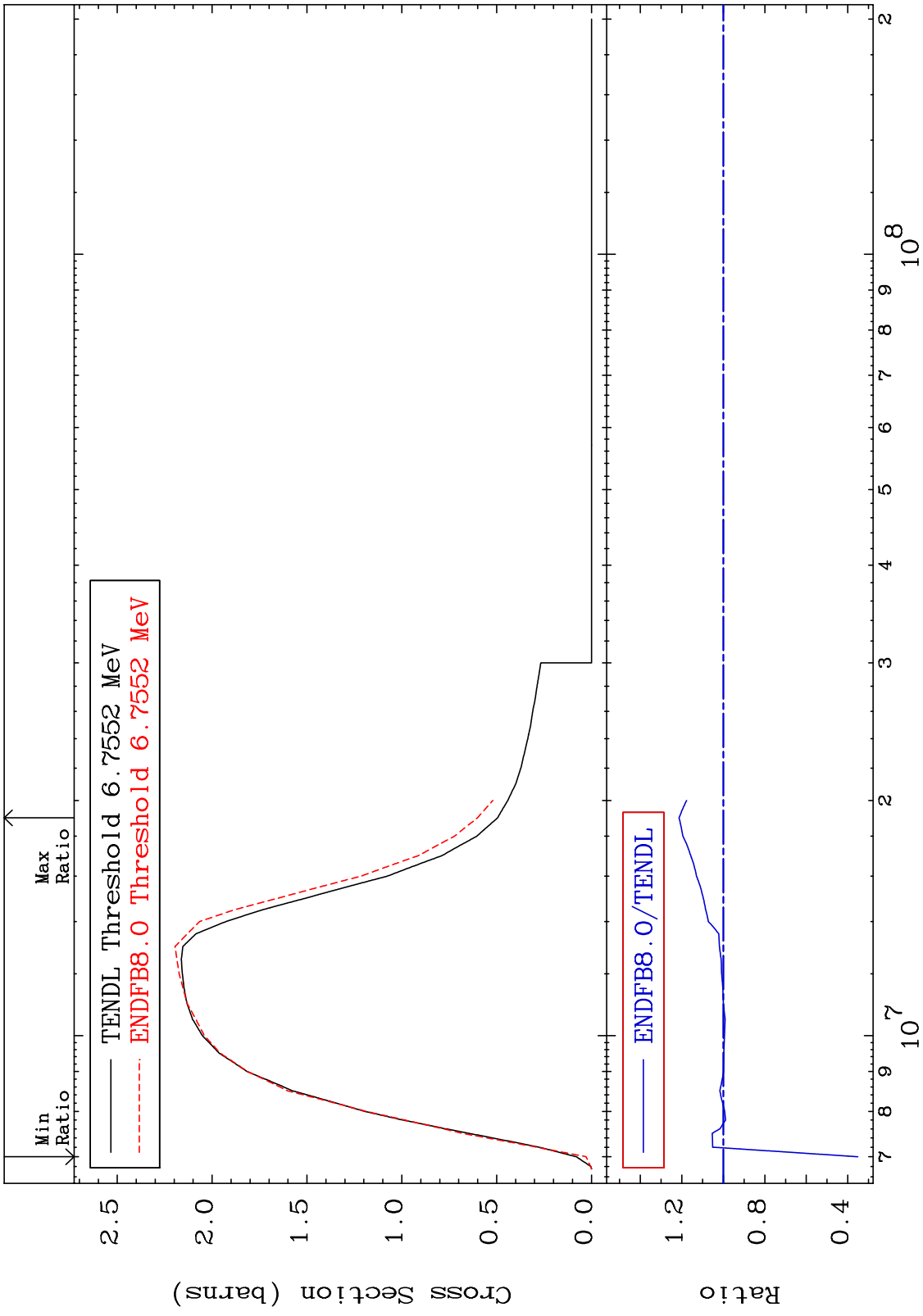


72-Hf-182

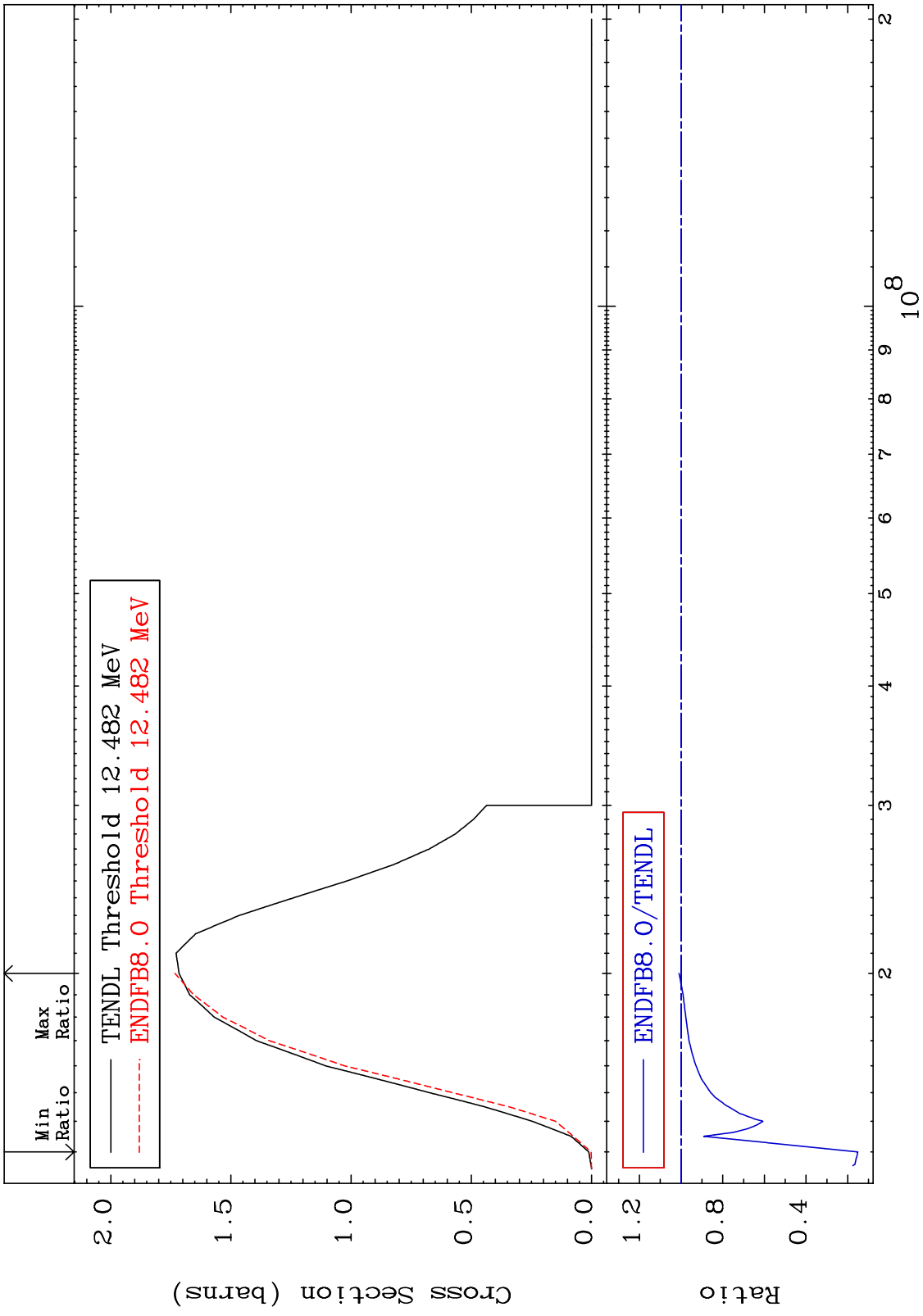
Incident Energy (eV)

3

MAT 7249 72-Hf-182  
-64.84 To 21.35 %  
 (n,2n)  
 Cross Section



MAT 7249 (n,3n) 72-Hf-182  
 Cross Section -84.84 To 0.986 %



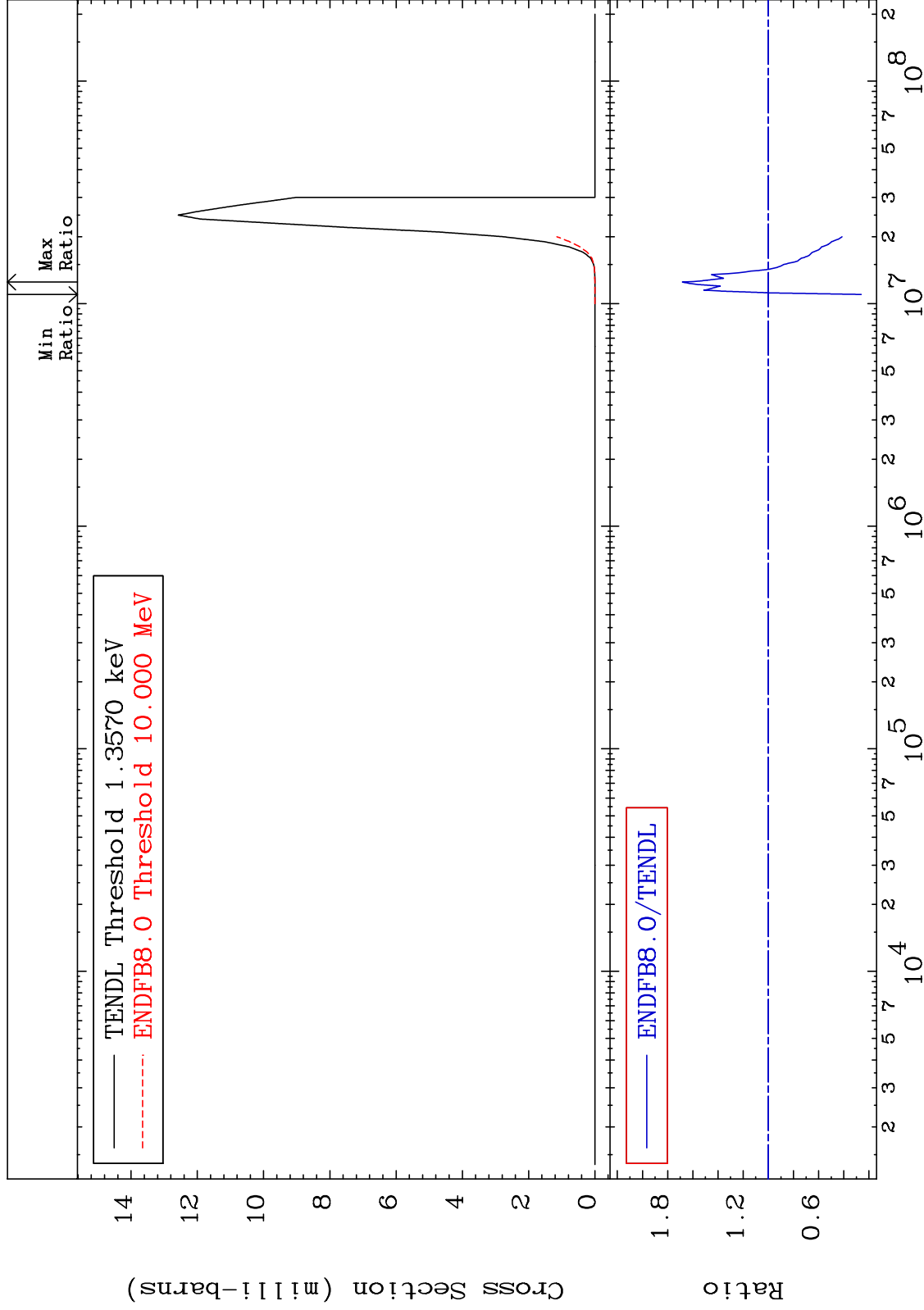
MAT 7249

(n, n')  $\alpha$

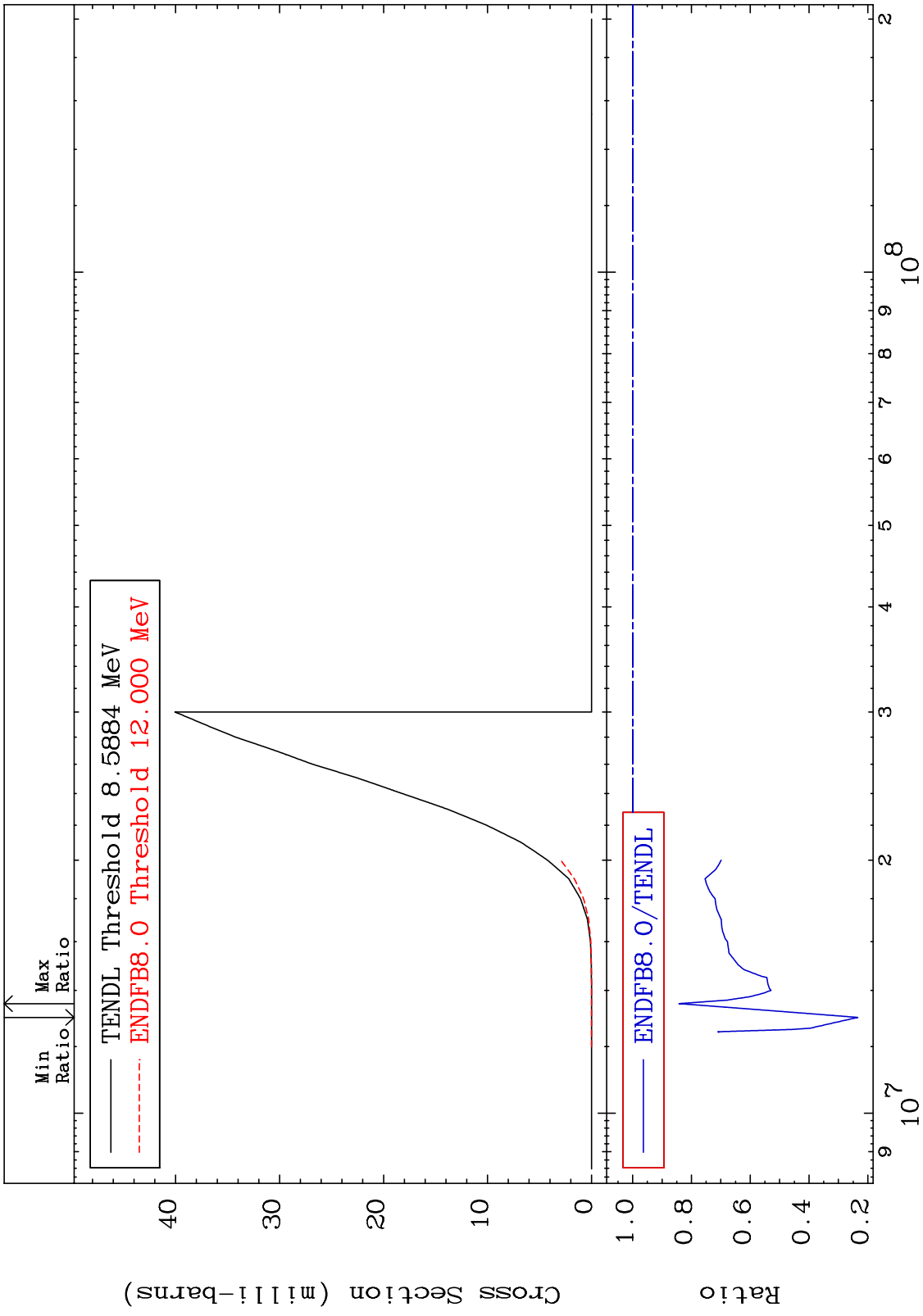
72-Hf-182

Cross Section

-73.88 To 68.24 %



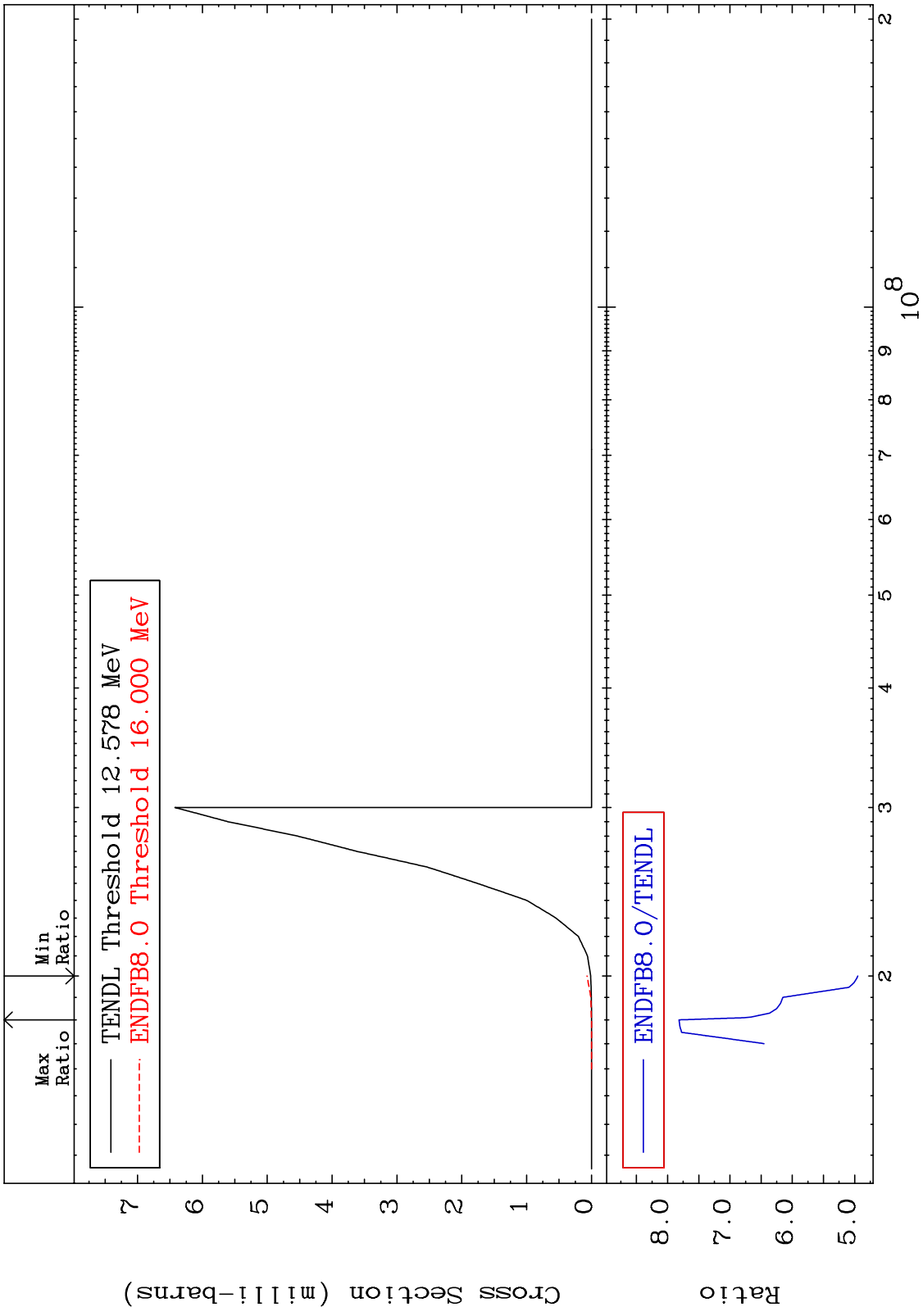
MAT 7249 (n,n') p 72-Hf-182  
 Cross Section -76.61 To -15.78%



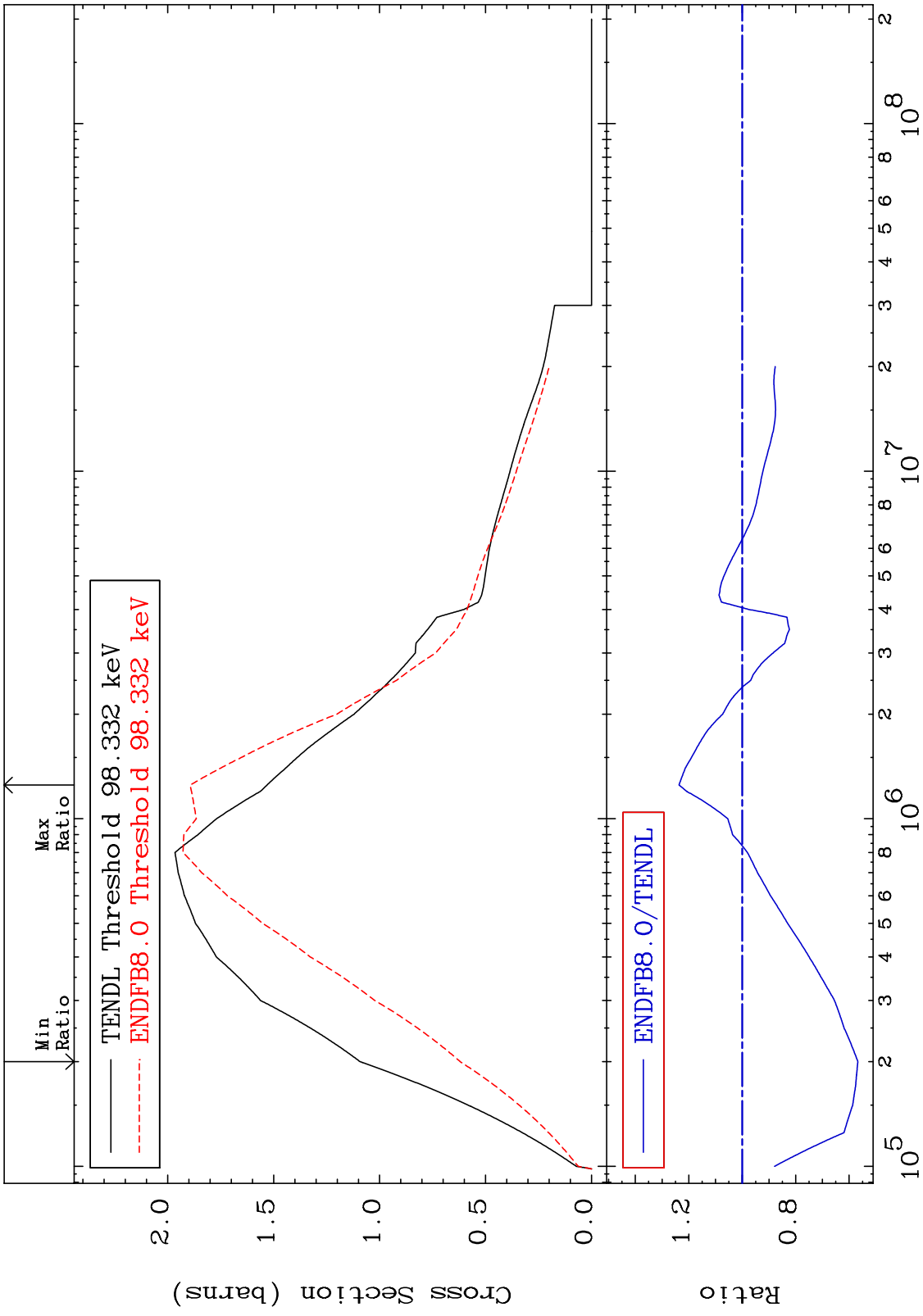
72-Hf-182 Incident Energy (eV)



MAT 7249 (n,n') d 72-Hf-182  
 Cross Section 394.9 To 681.6 %

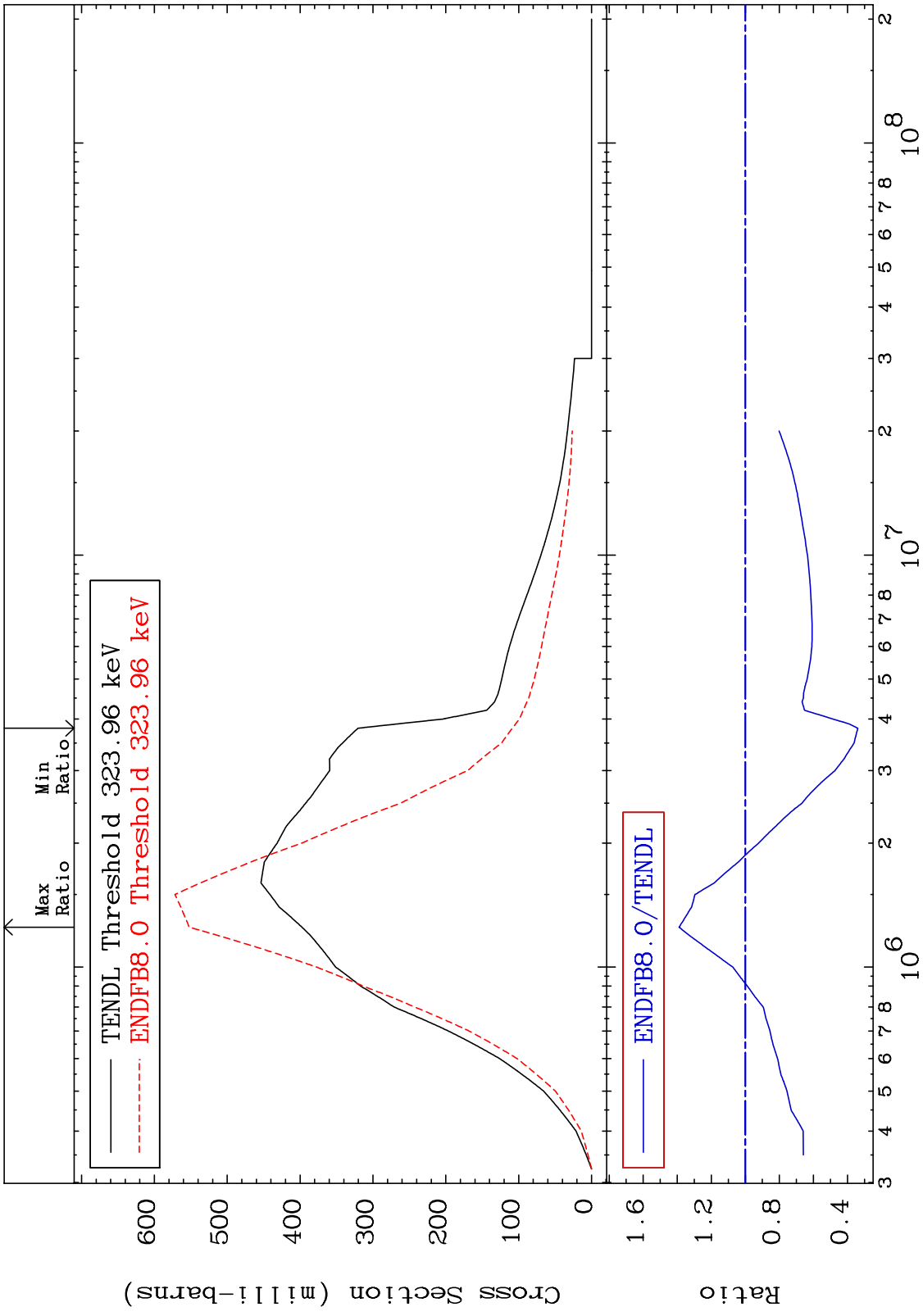


MAT 7249 MT= 51 (n,n') Level Cross Section 72-Hf-182  
 -43.25 To 23.64 %



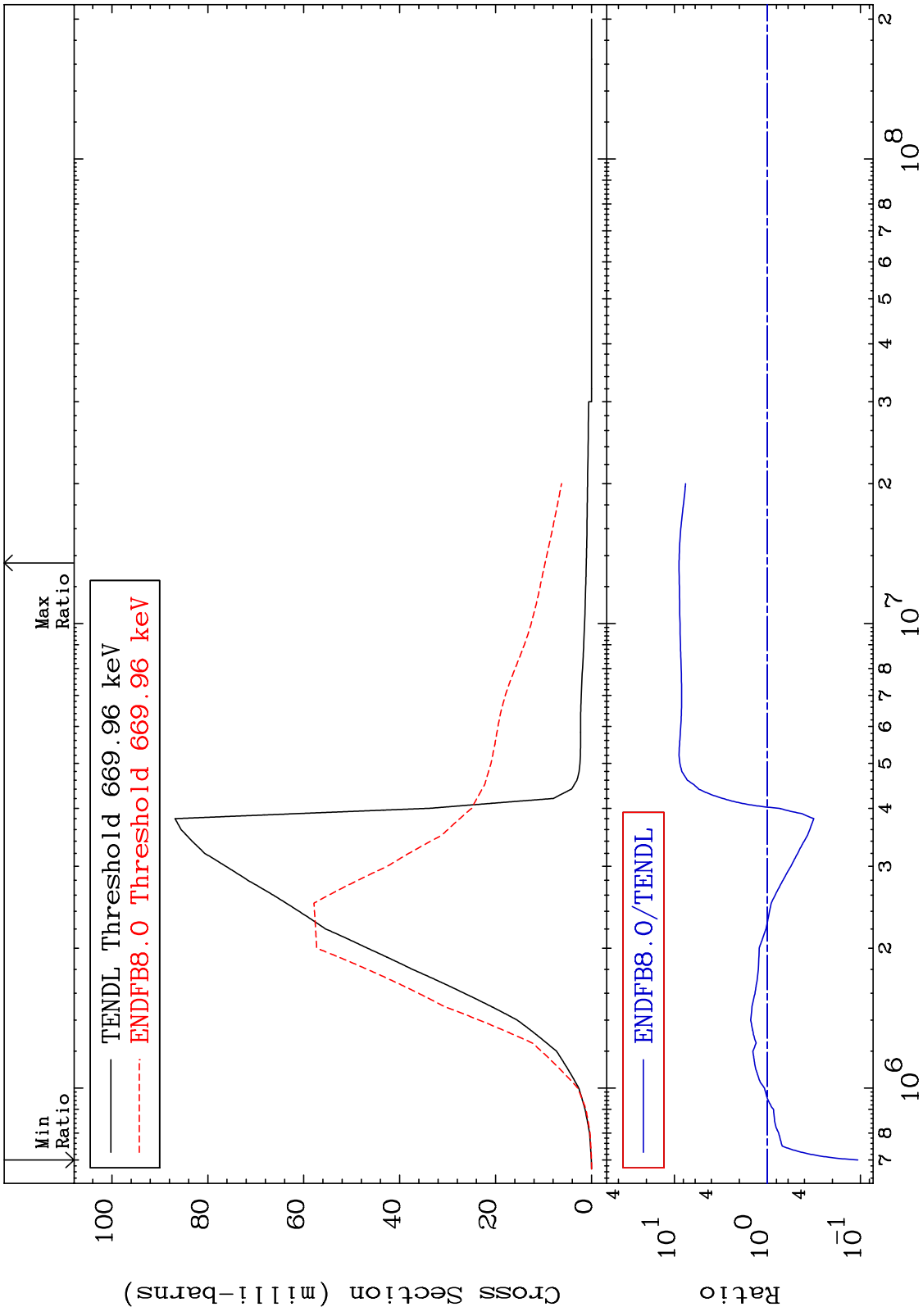
9 Incident Energy (eV) 72-Hf-182

MAT 7249 MT= 52 (n,n') Level Cross Section 72-Hf-182  
 -66.09 To 38.94 %

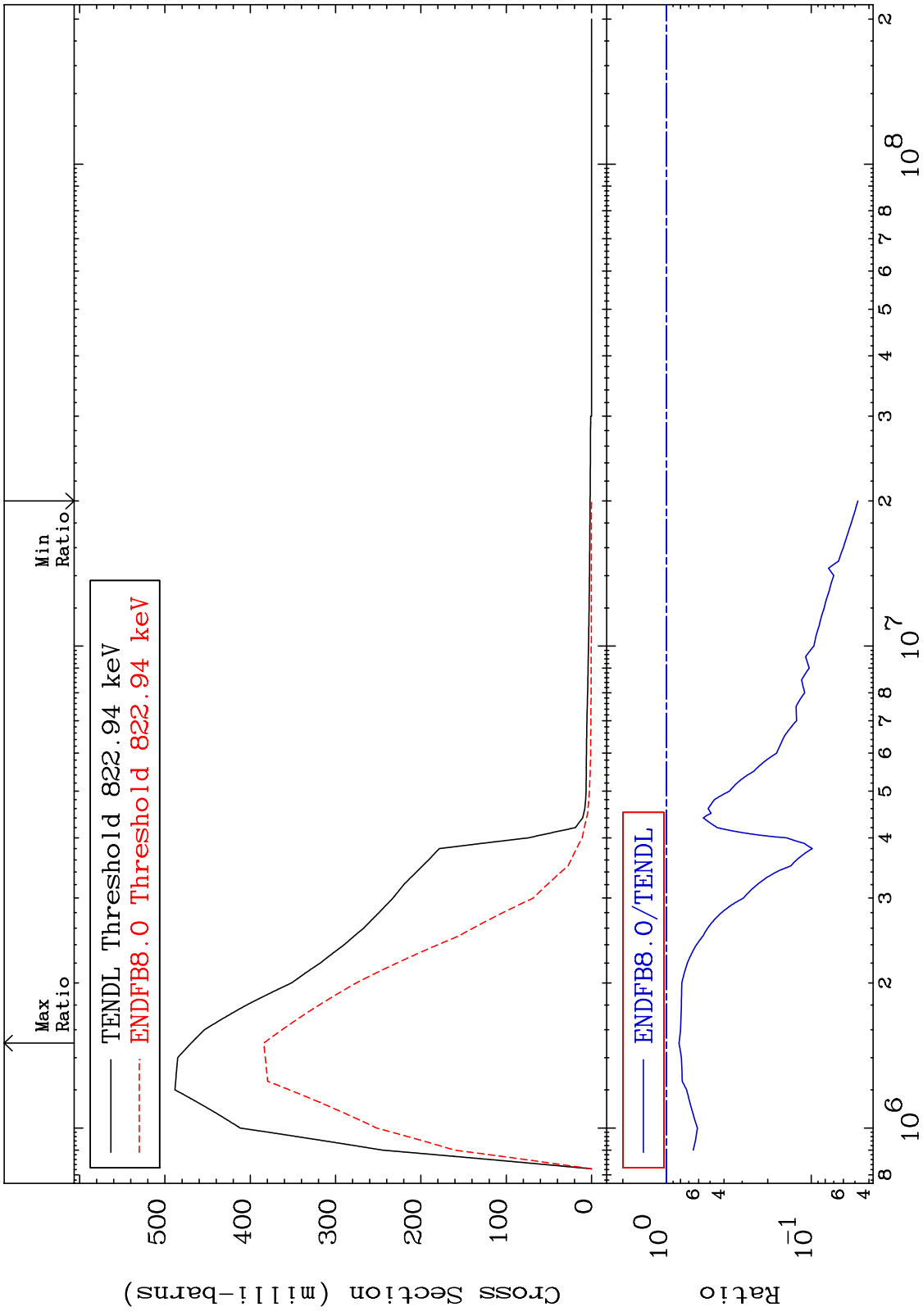


10 Incident Energy (eV) 72-Hf-182

MAT 7249      MT= 53 (n,n') Level      72-Hf-182  
 Cross Section      -89.36 To 792.0 %

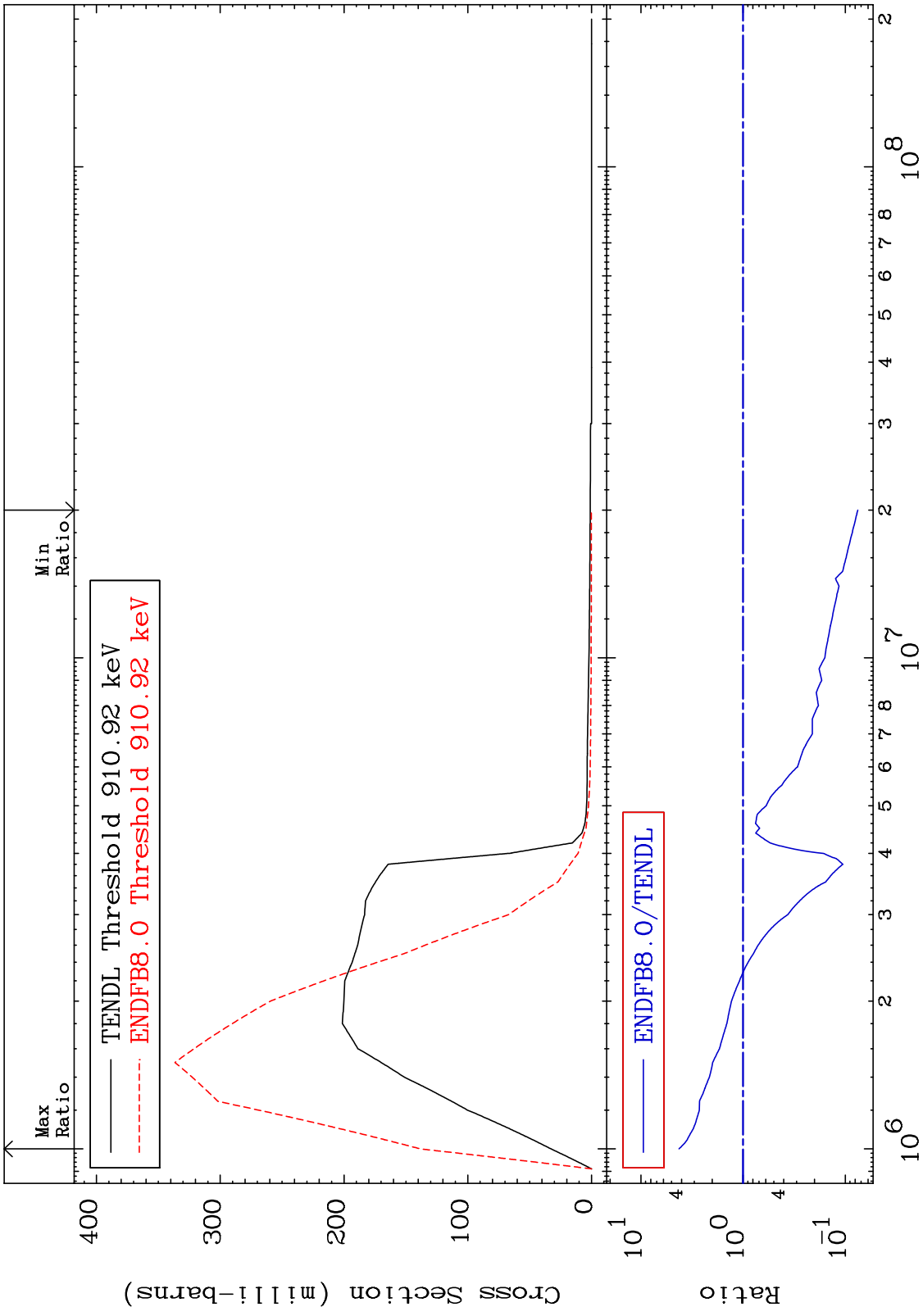


MAT 7249 MT= 54 (n,n') Level Cross Section 72-Hf-182  
 -95.23 To -18.12%

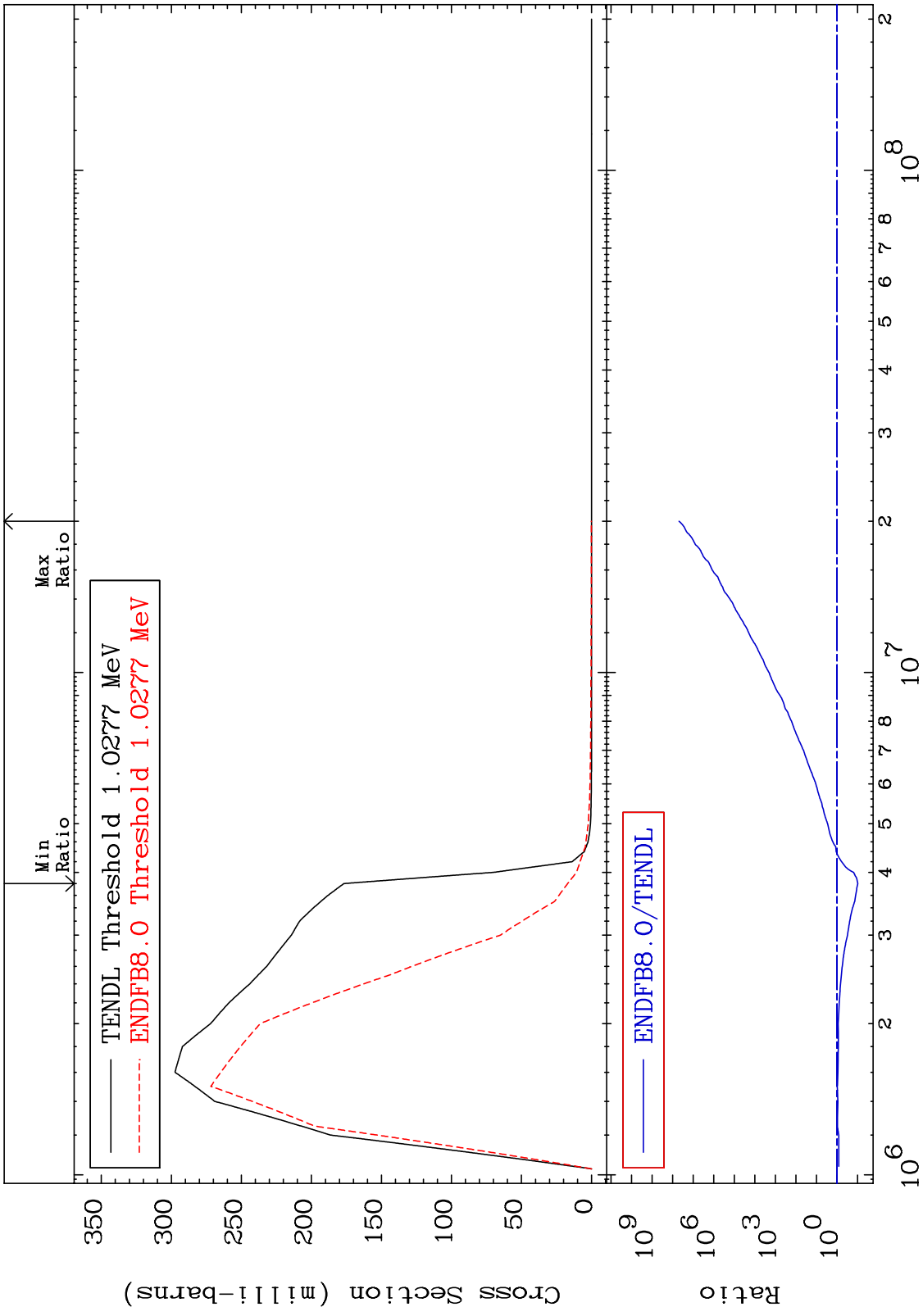


12 Incident Energy (eV) 72-Hf-182

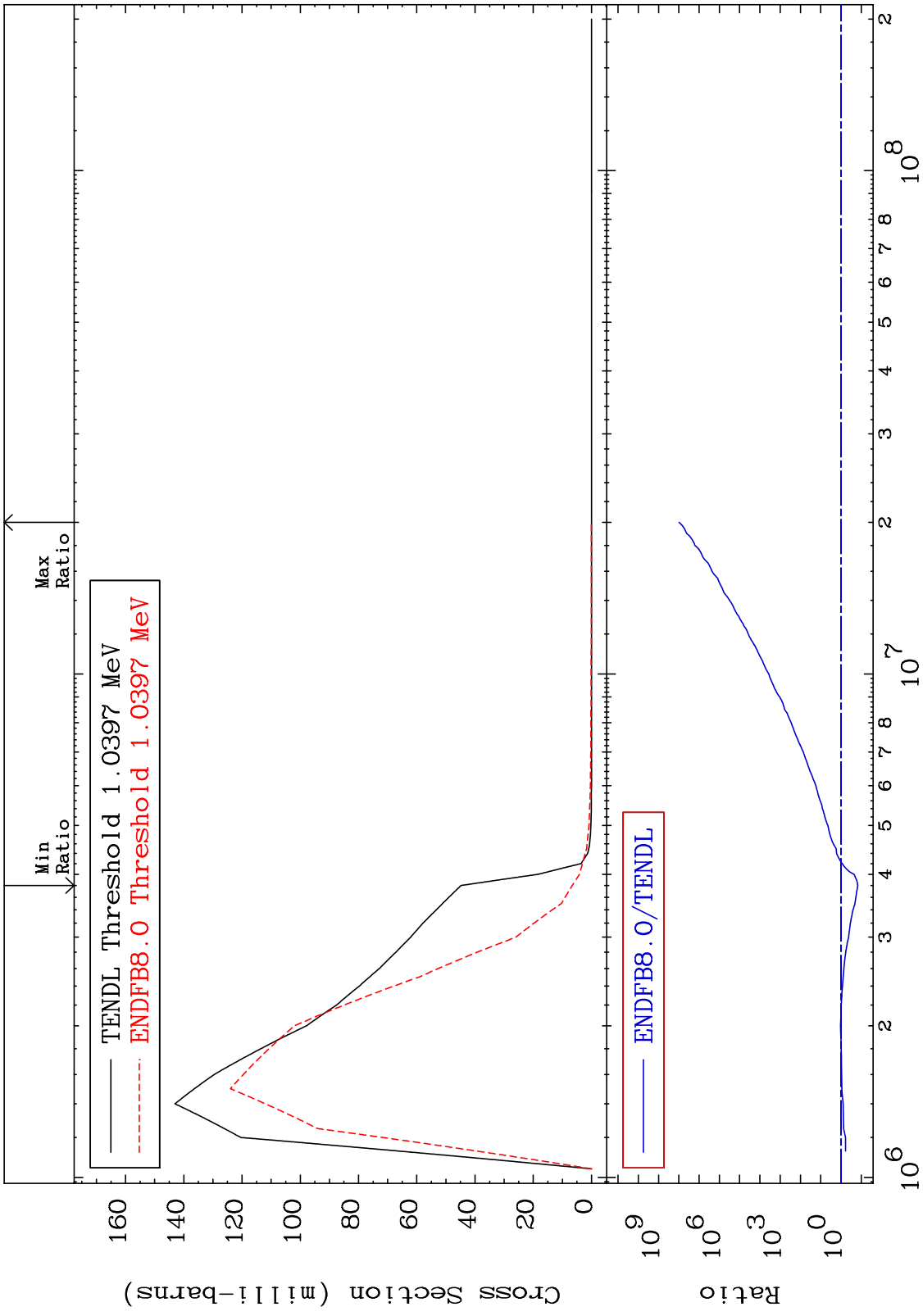
MAT 7249 MT= 55 (n,n') Level Cross Section 72-Hf-182  
 -92.46 To 322.9 %



MAT 7249      MT= 56 (n,n') Level Cross Section      72-Hf-182  
 -90.38 To 9999. %



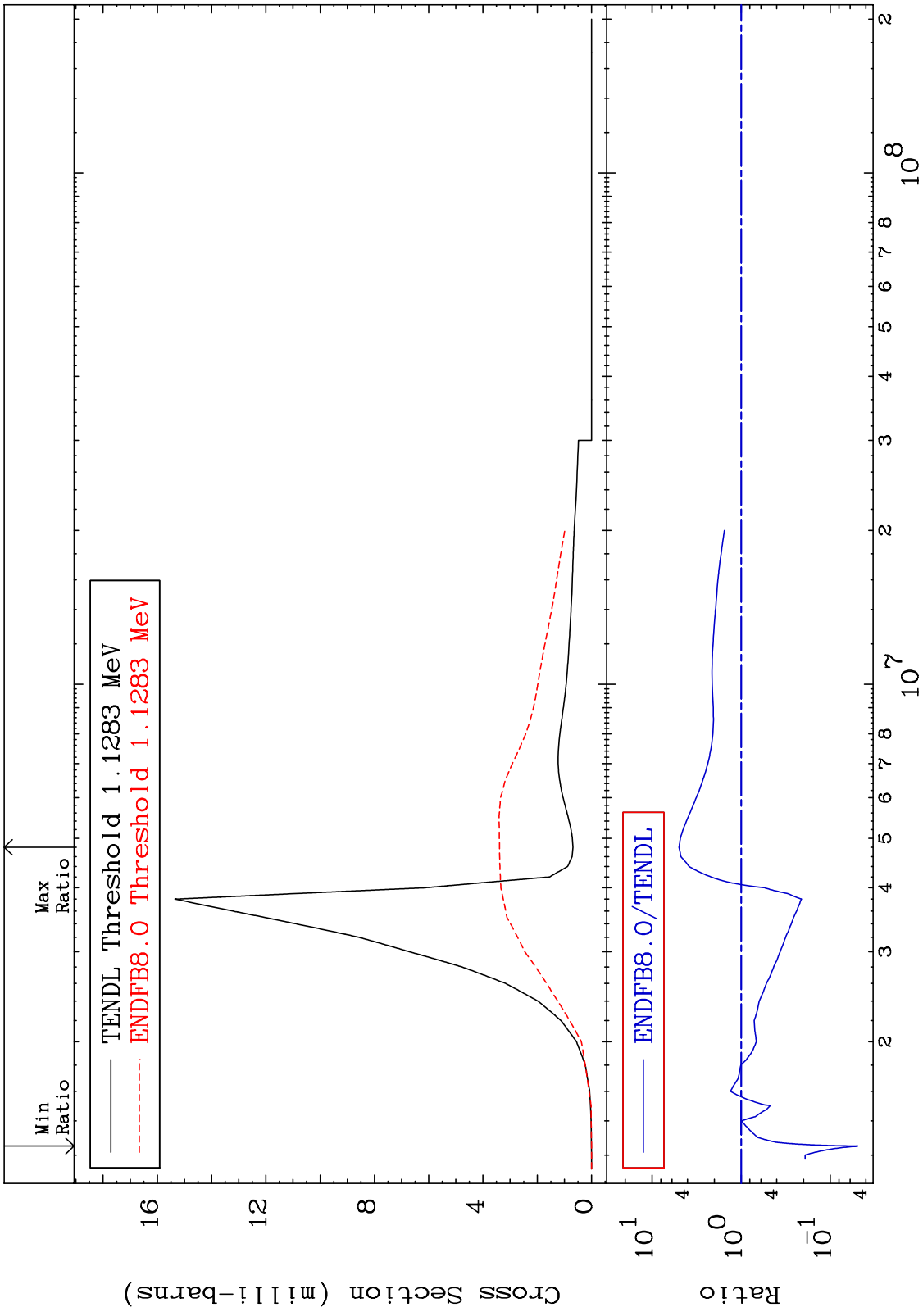
MAT 7249      MT= 57 (n,n') Level Cross Section      72-Hf-182  
 -85.28 To 9999. %



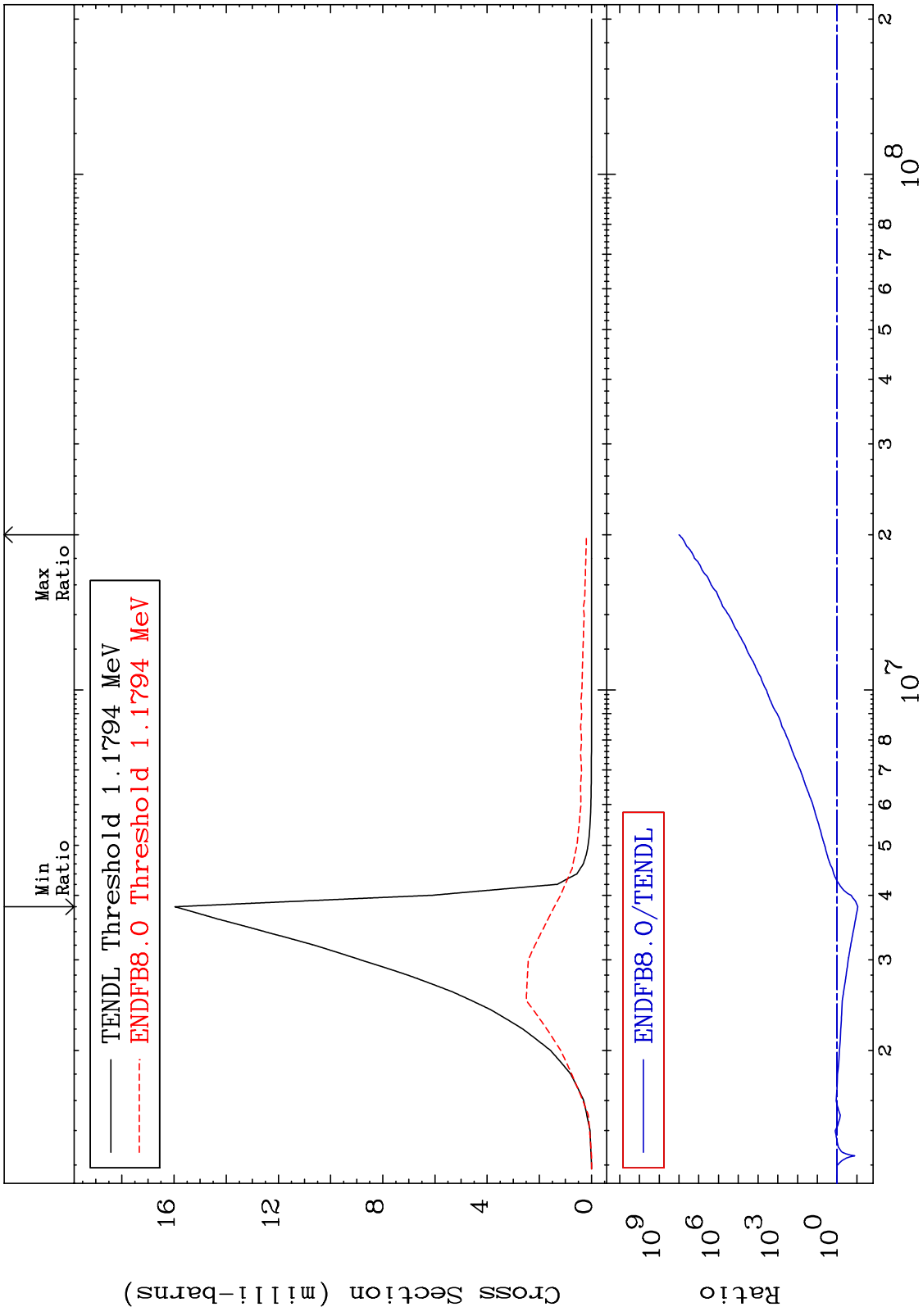
15      Incident Energy (eV)      72-Hf-182

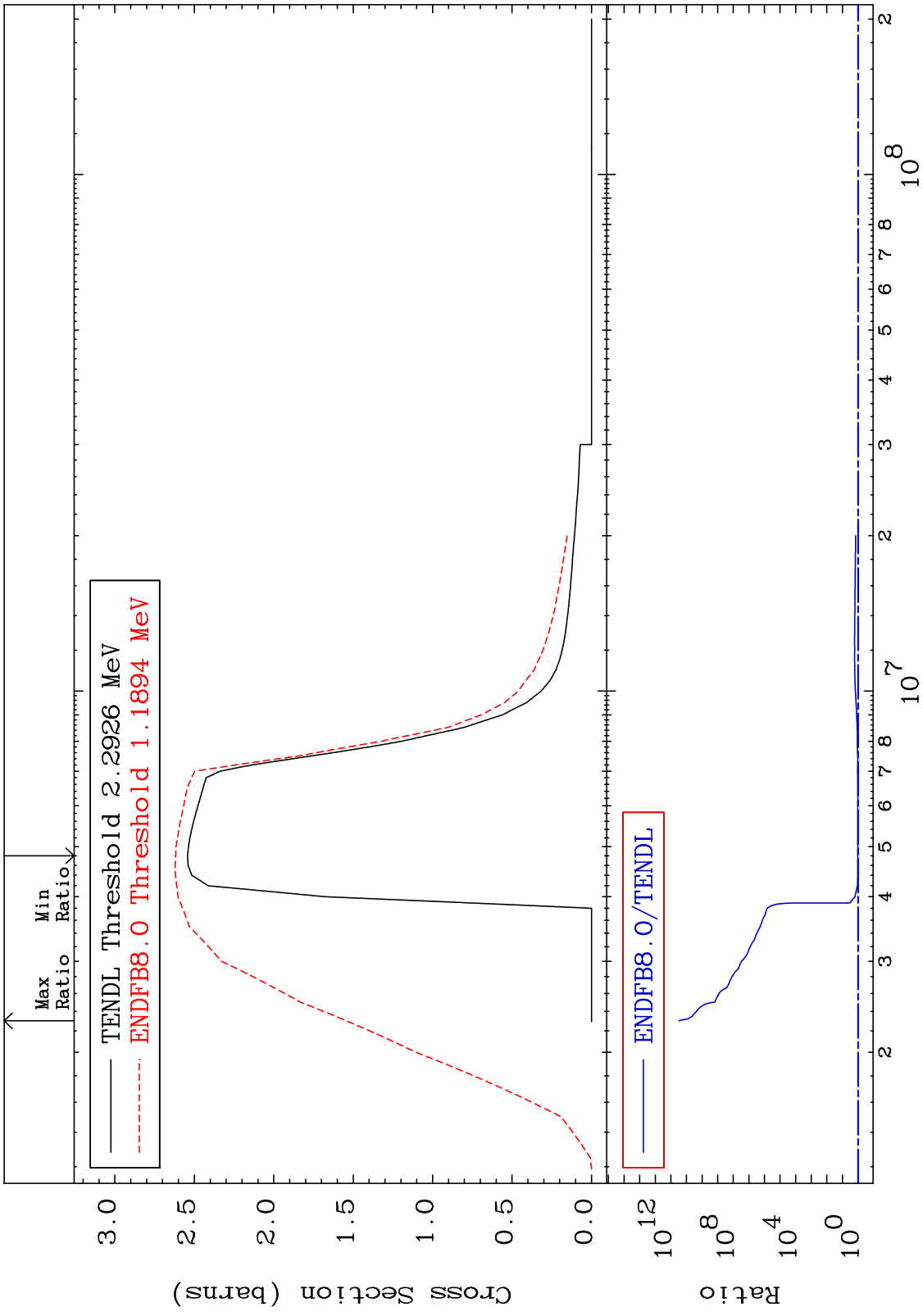


MAT 7249 MT= 58 (n,n') Level Cross Section 72-Hf-182  
 -95.09 To 398.6 %



MAT 7249 MT= 59 (n,n') Level Cross Section 72-Hf-182  
 -91.09 To 9999. %

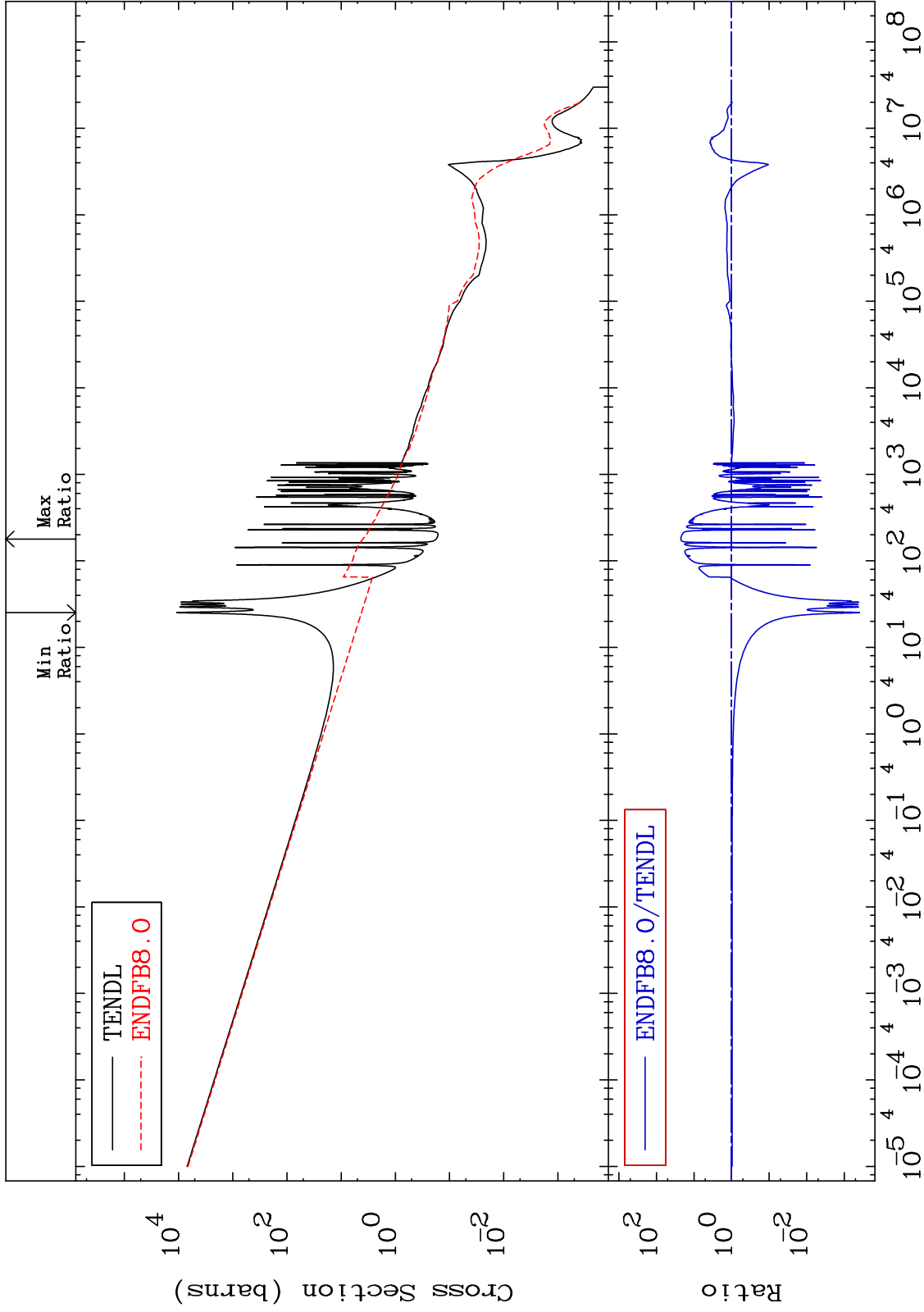




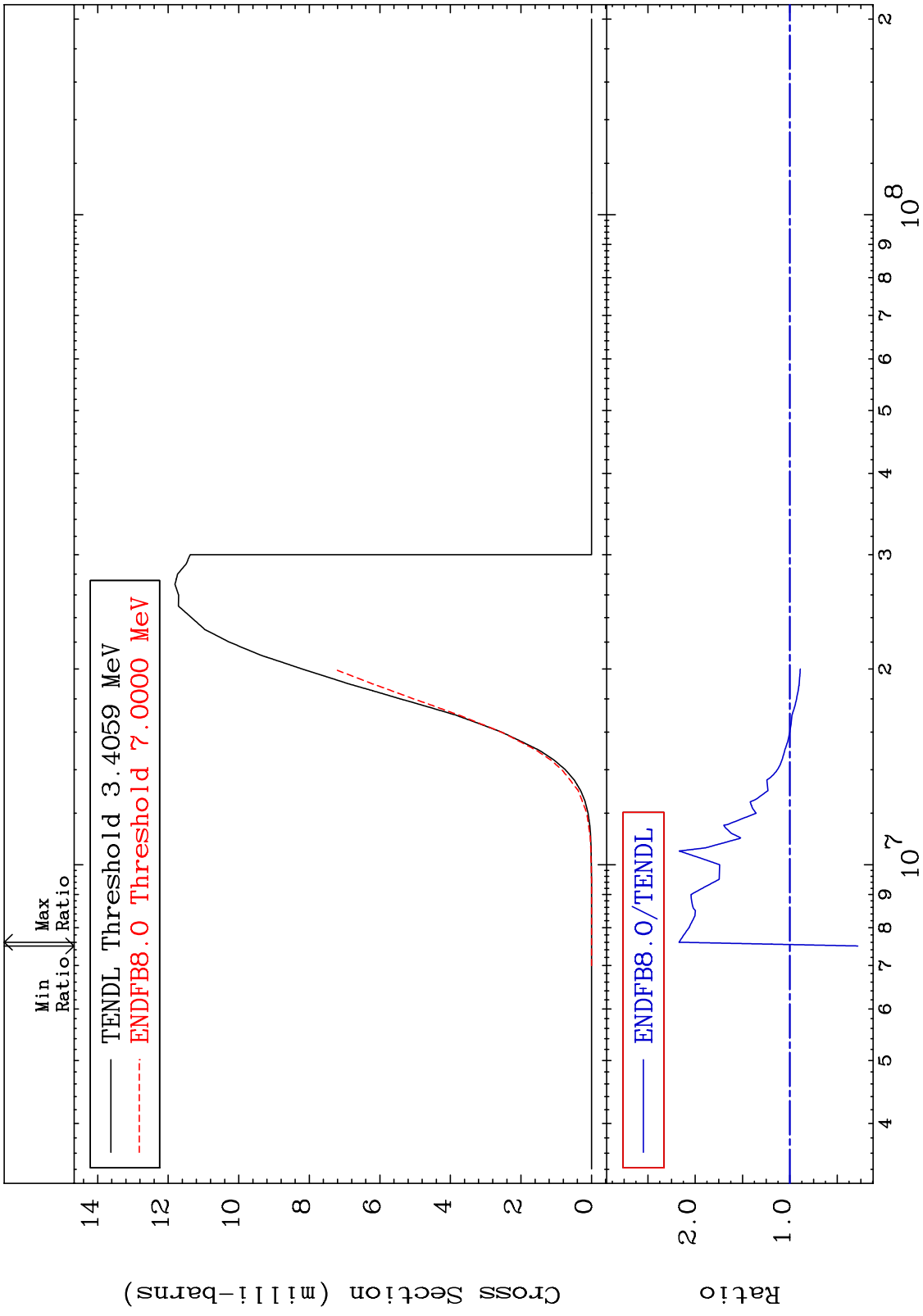
MAT 7249

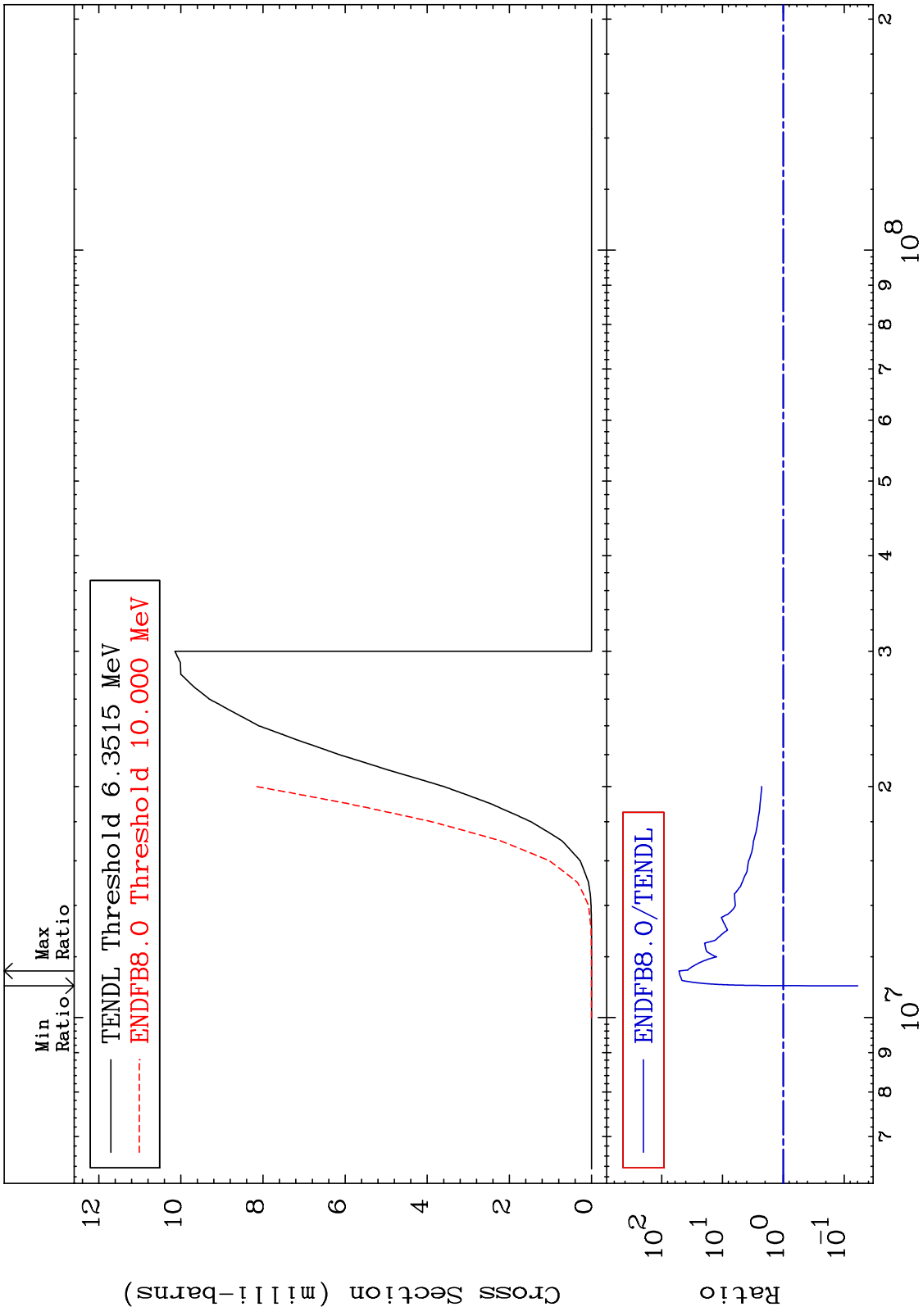
(n,  $\gamma$ )  
Cross Section

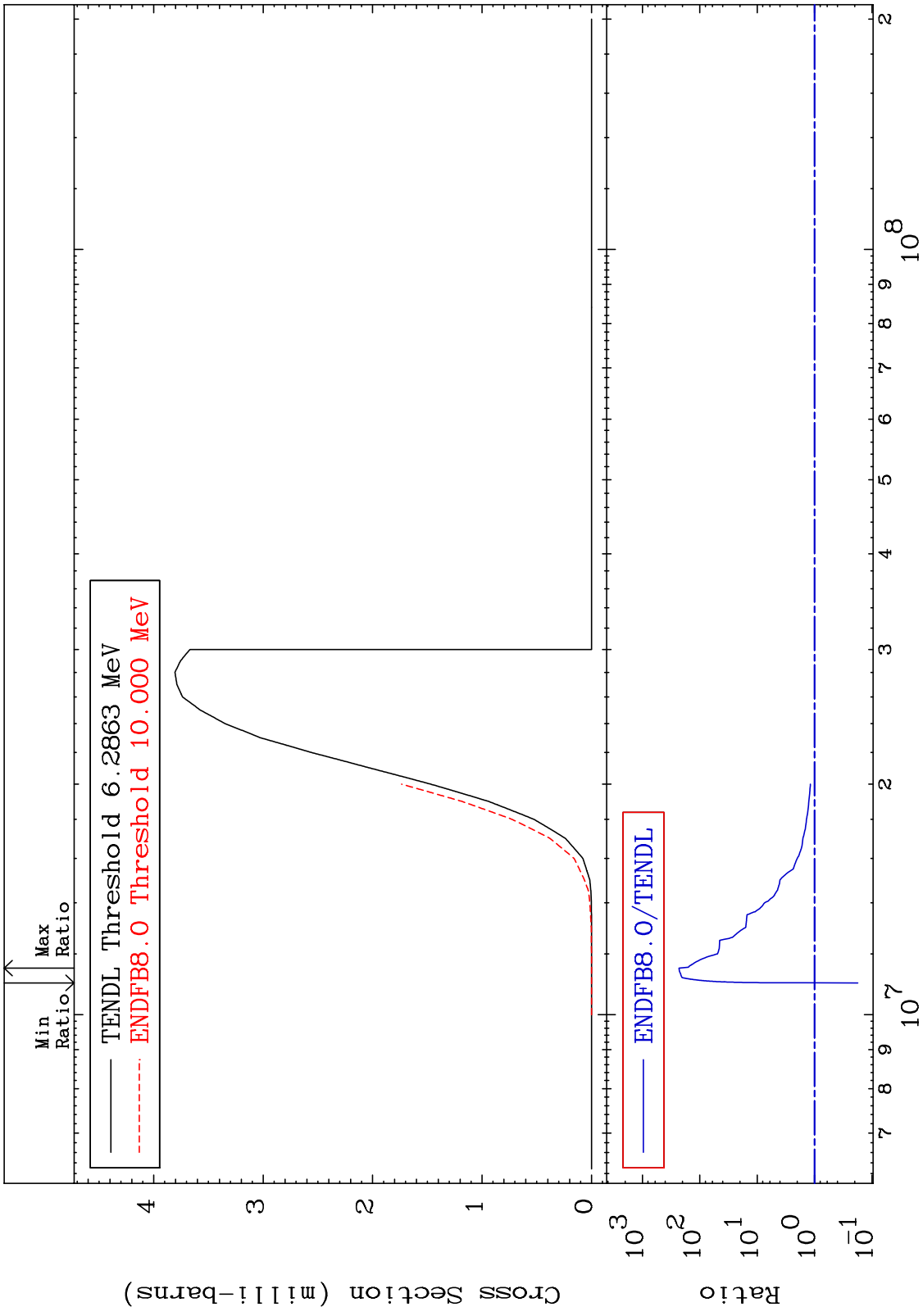
72-Hf-182  
-99.96 To 2141. %



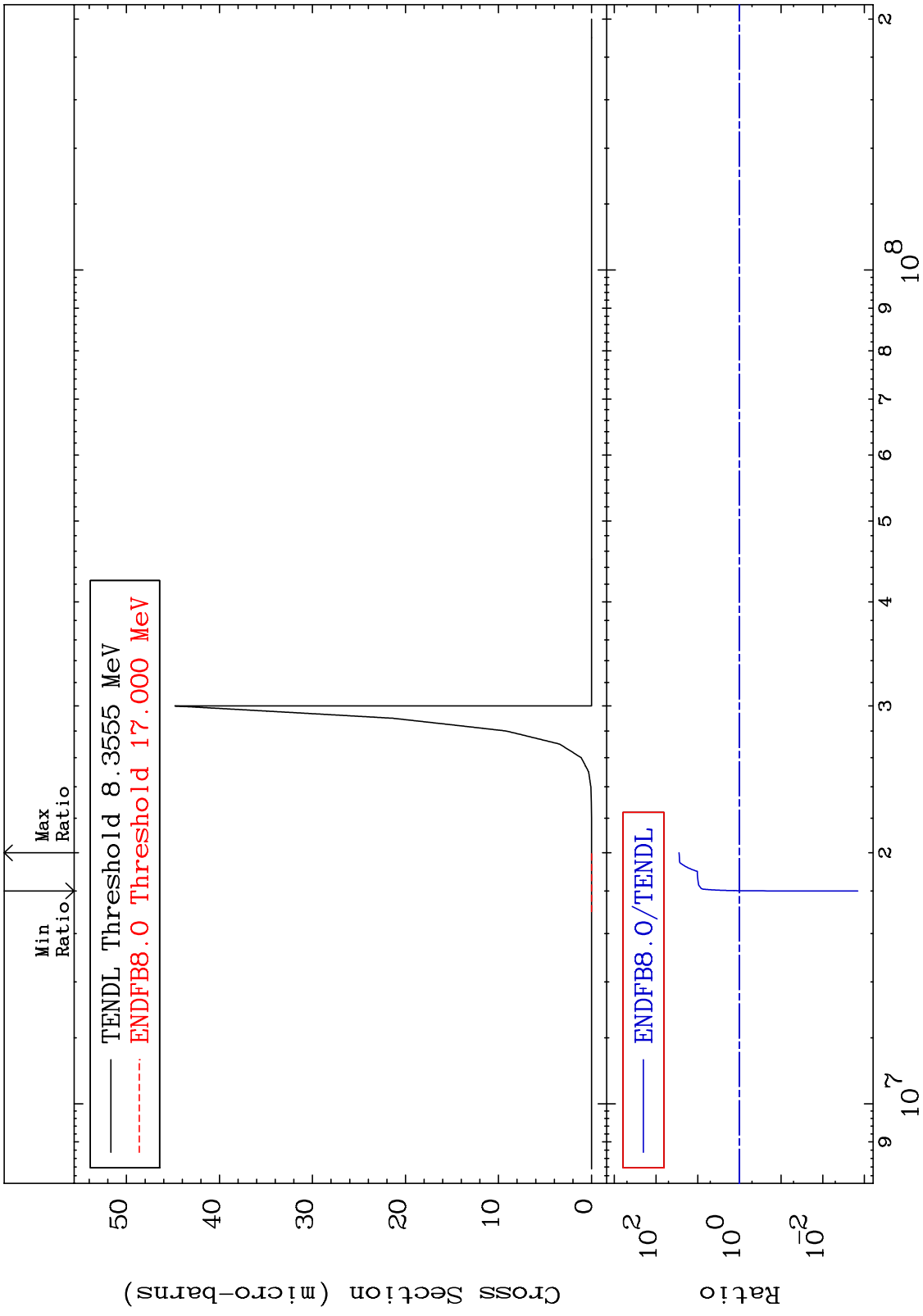
MAT 7249 (n,p) Cross Section 72-Hf-182  
 -71.75 To 117.0 %







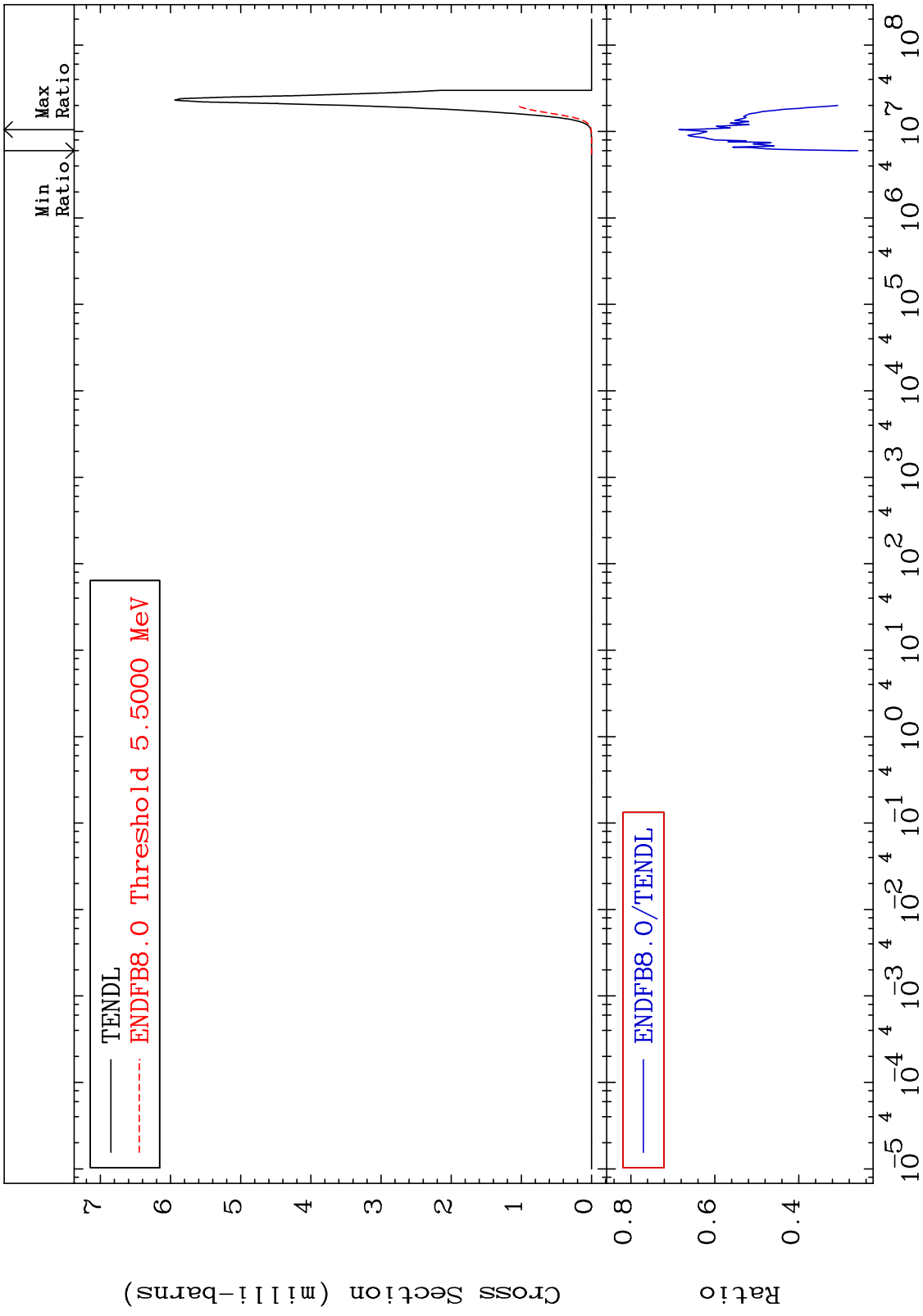
MAT 7249 (n, He-3) 72-Hf-182  
 Cross Section -99.86 To 2704. %



23 72-Hf-182



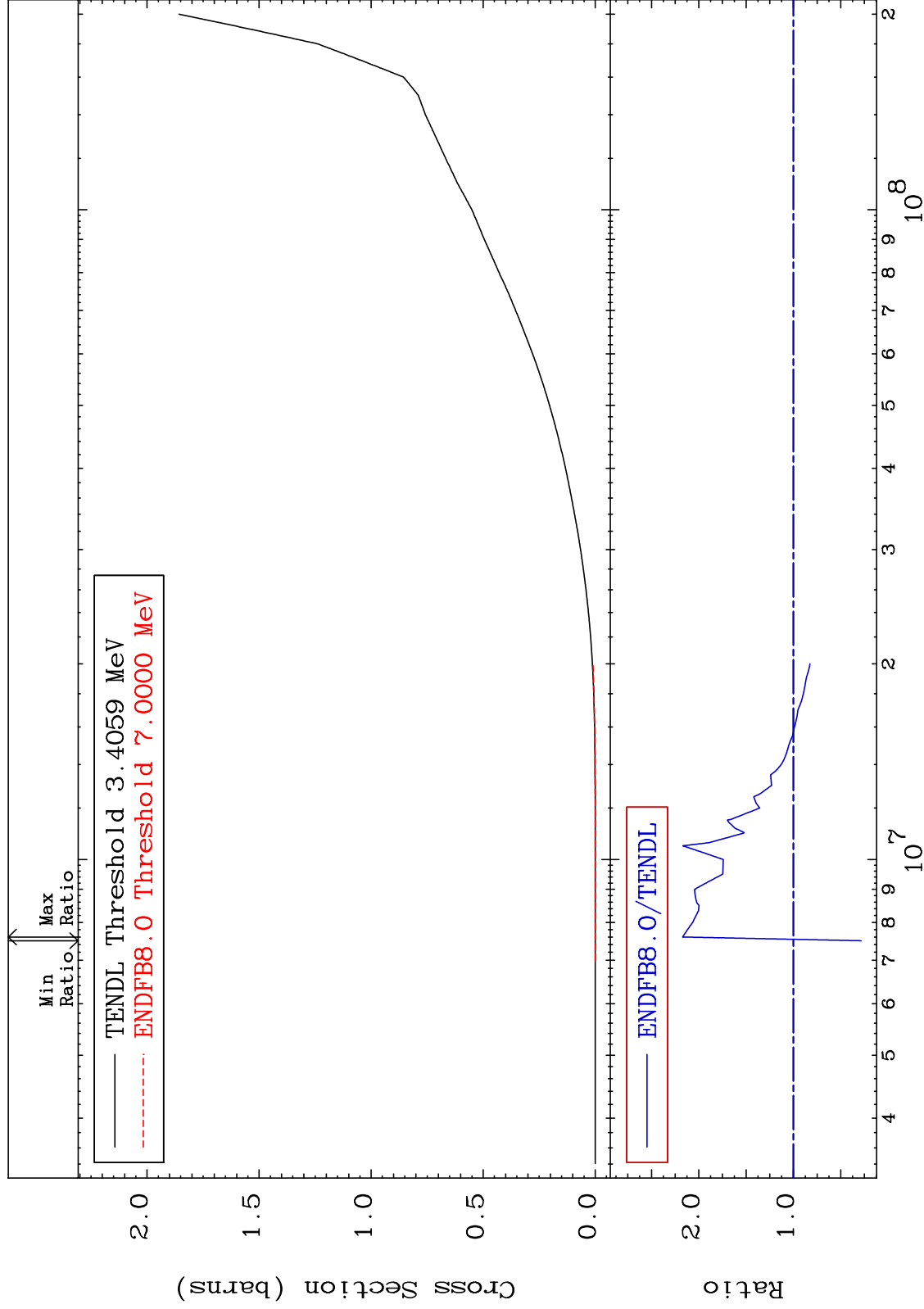
MAT 7249 (n,α) Cross Section 72-Hf-182  
 -74.06 To -31.49%



MAT 7249

Hydrogen Production  
Cross Section

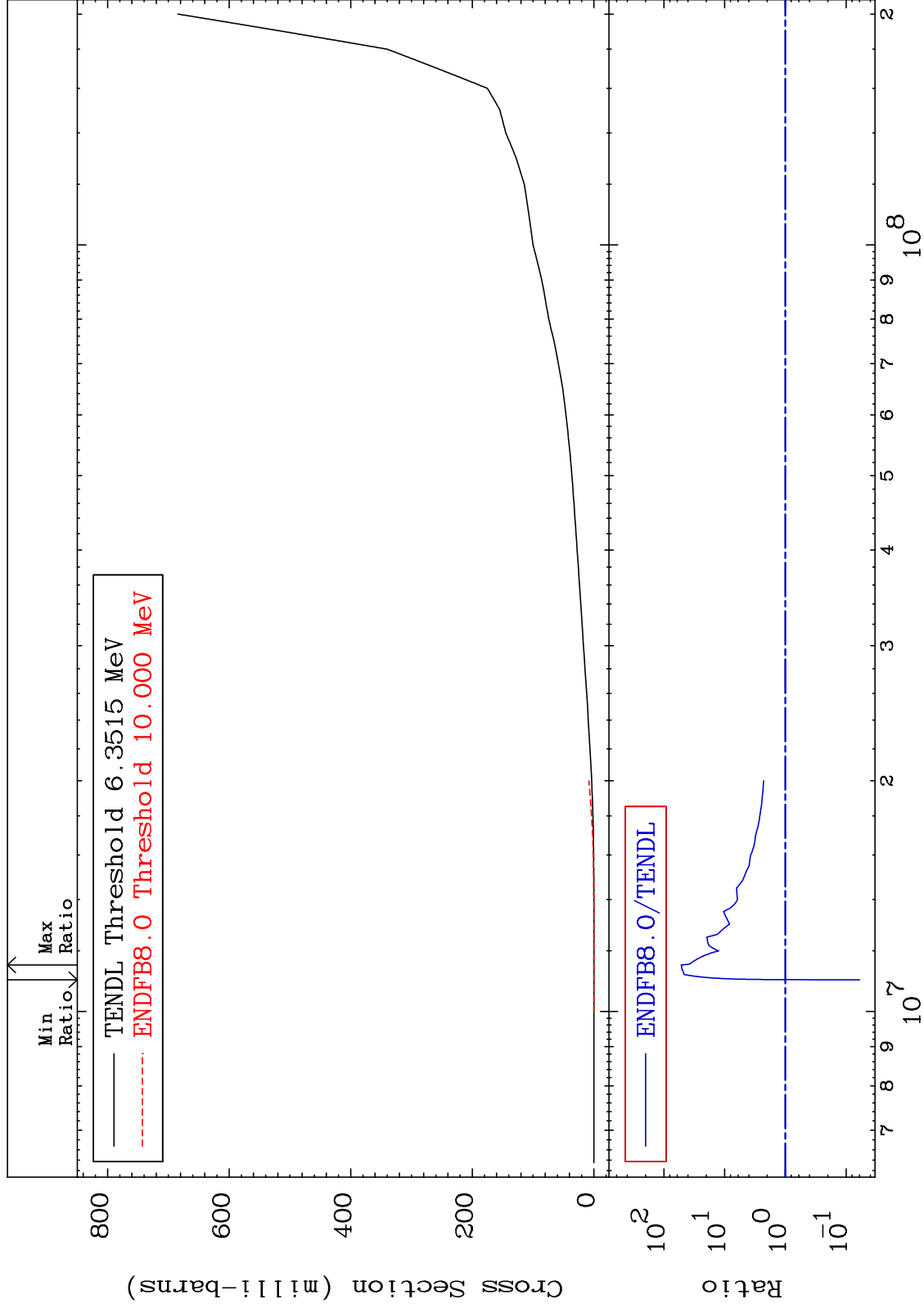
72-Hf-182  
-71.75 To 117.0 %

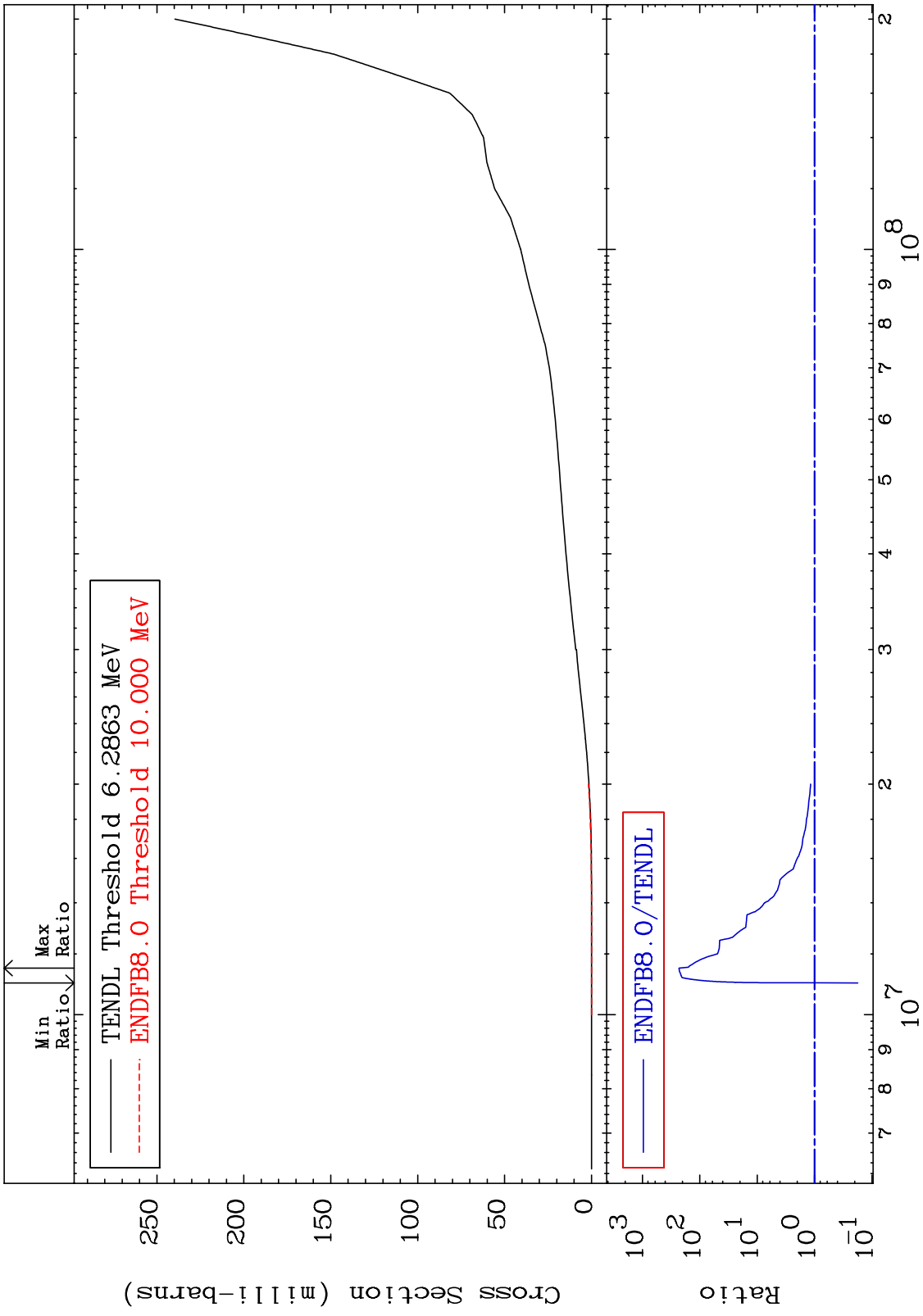


MAT 7249

Deuterium Production  
Cross Section

72-Hf-182  
-94.04 To 5075. %

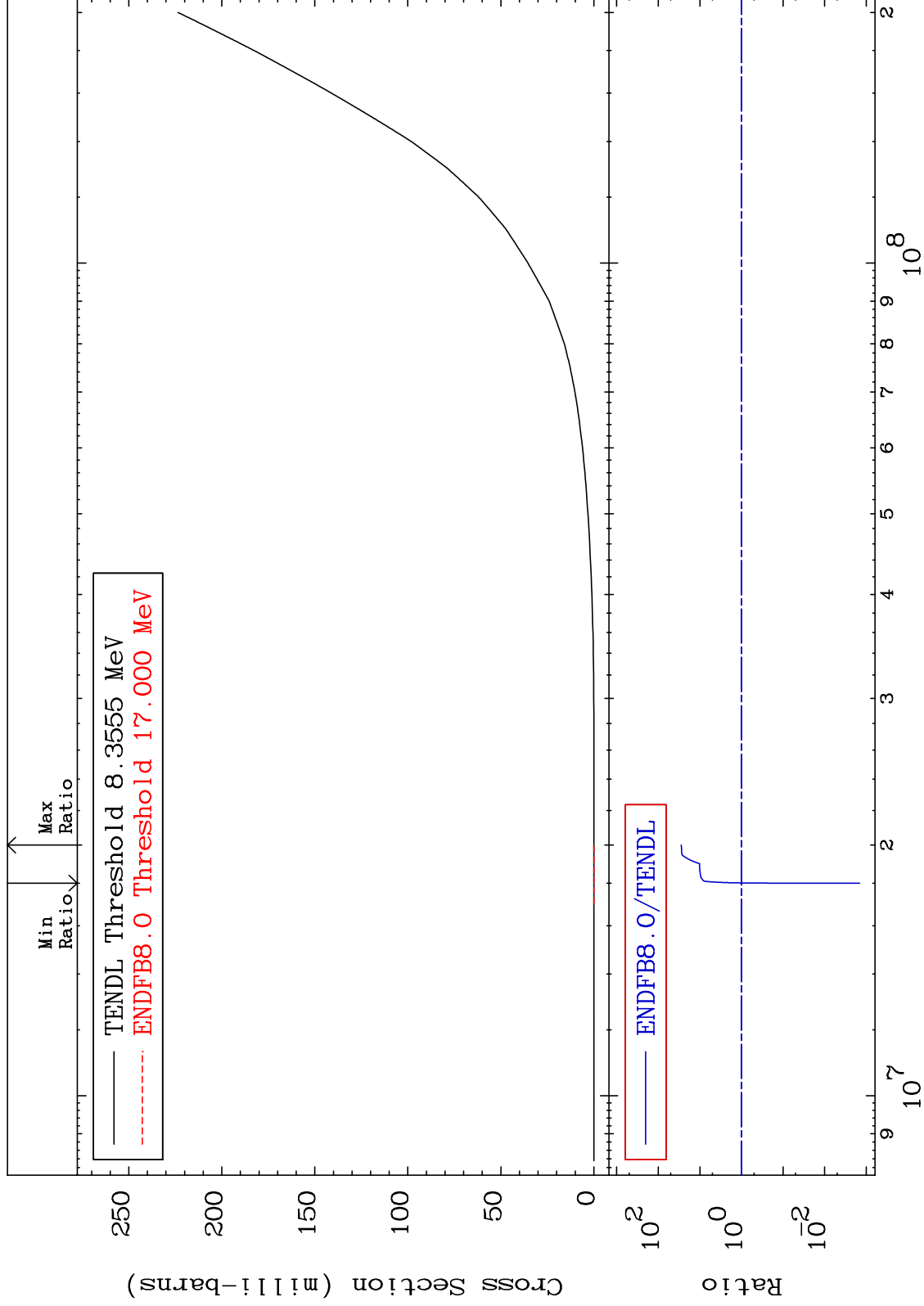




MAT 7249

He-3 Production  
Cross Section

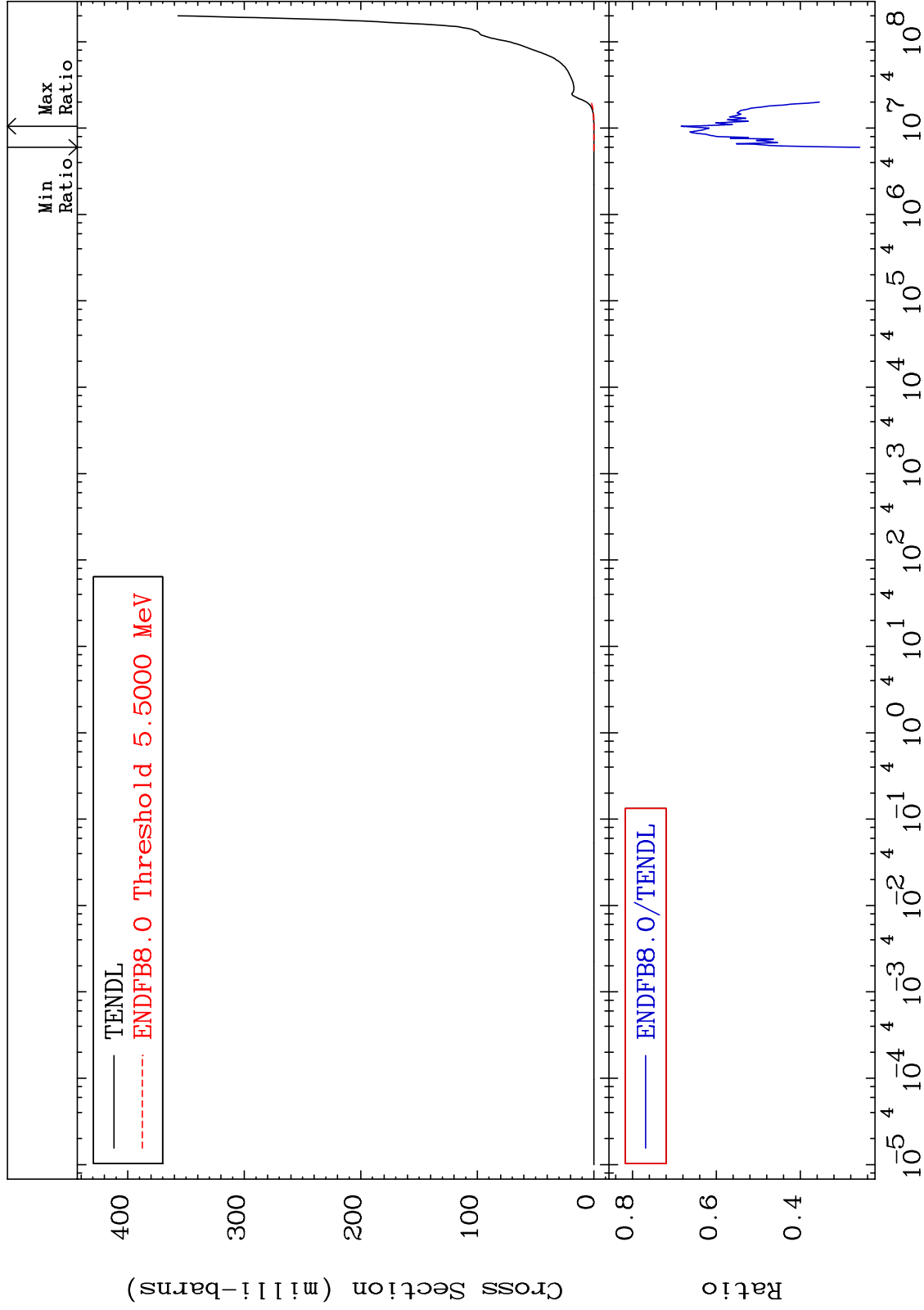
72-Hf-182  
-99.86 To 2704. %



MAT 7249

He-4 Production  
Cross Section

72-Hf-182  
-74.16 To -31.62%

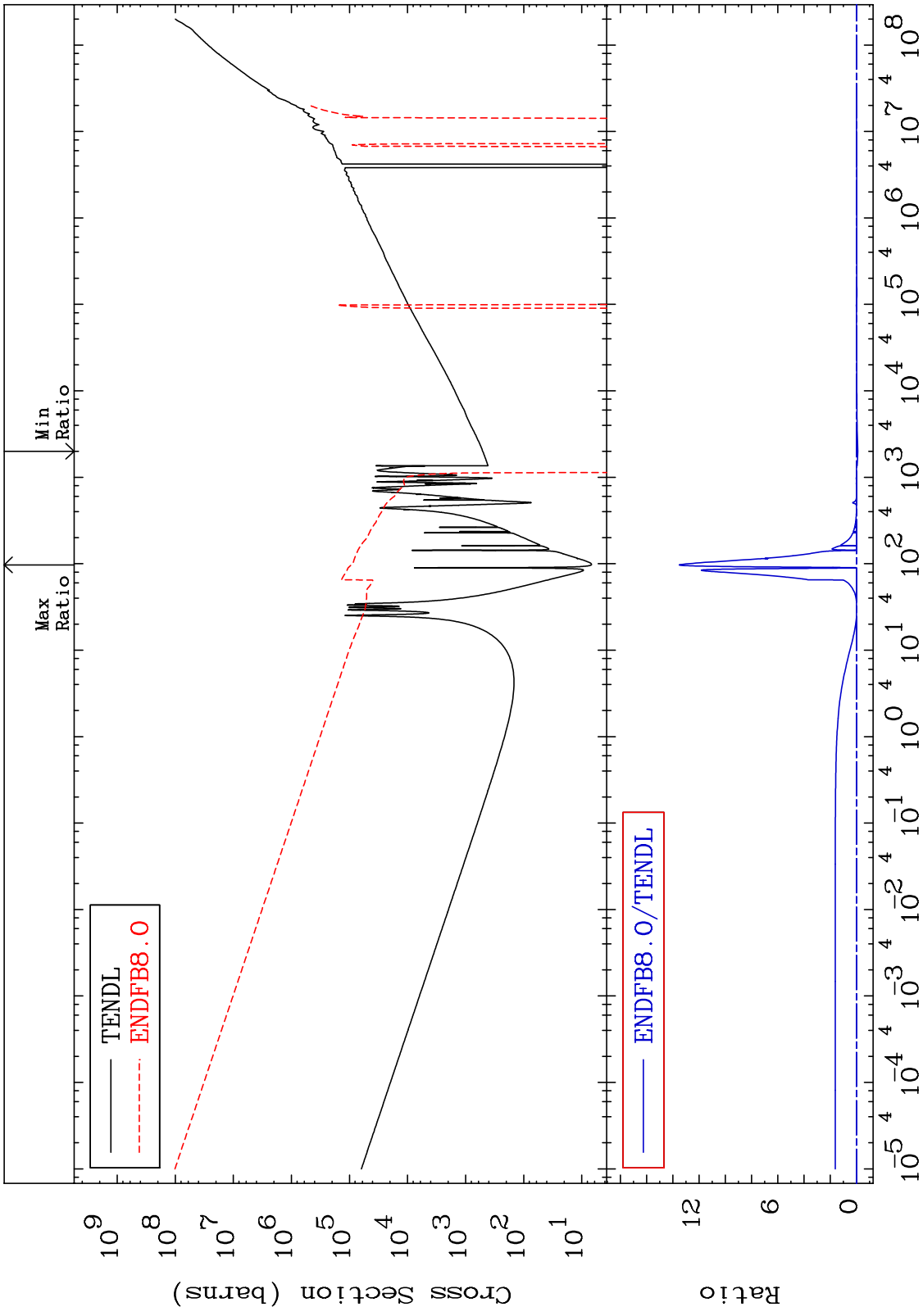


29

Incident Energy (eV)

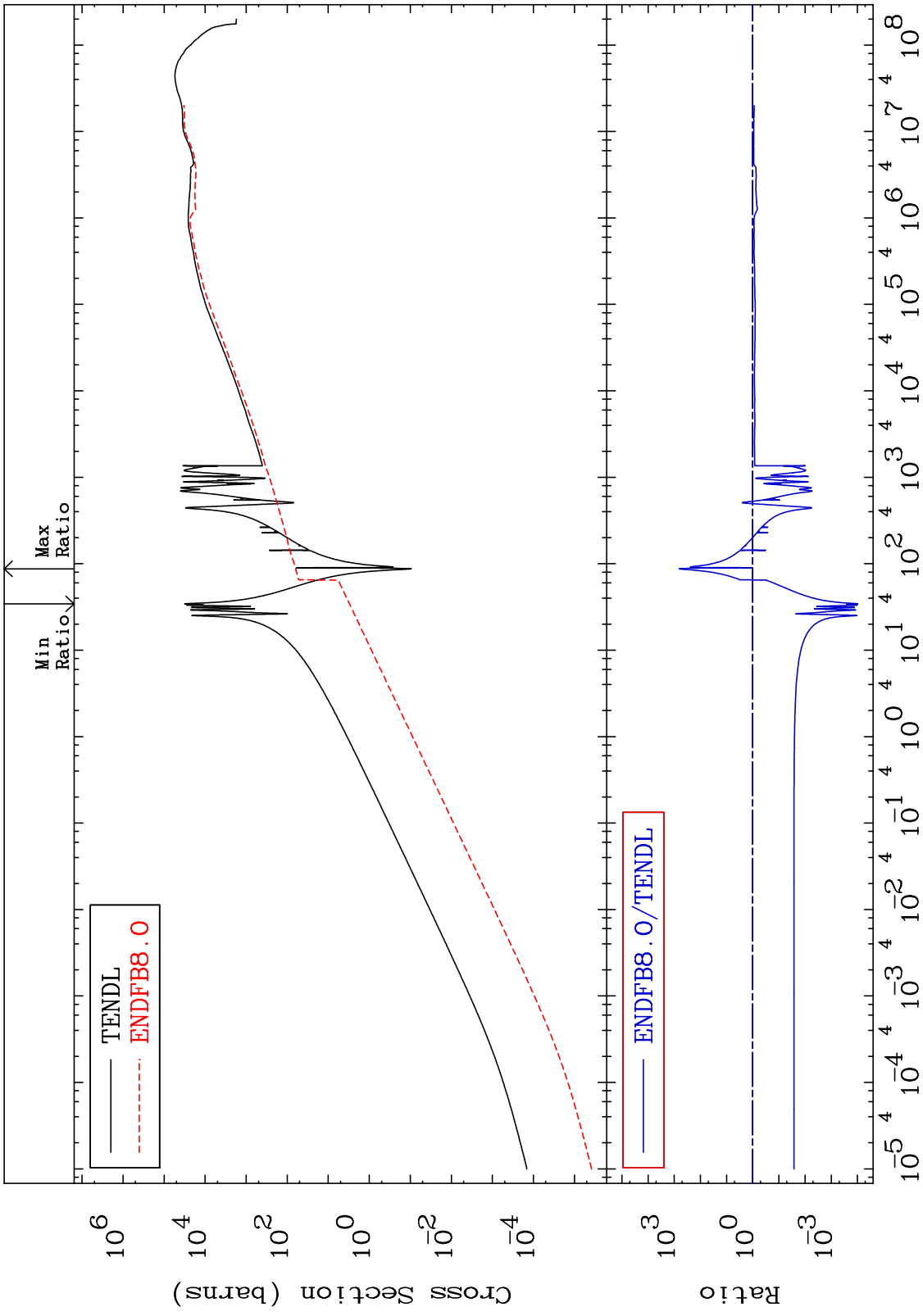
72-Hf-182

MAT 7249      Kerma total (eV-barns)      Cross Section      72-Hf-182  
 -9702. To 9999. %



30      Incident Energy (eV)      72-Hf-182

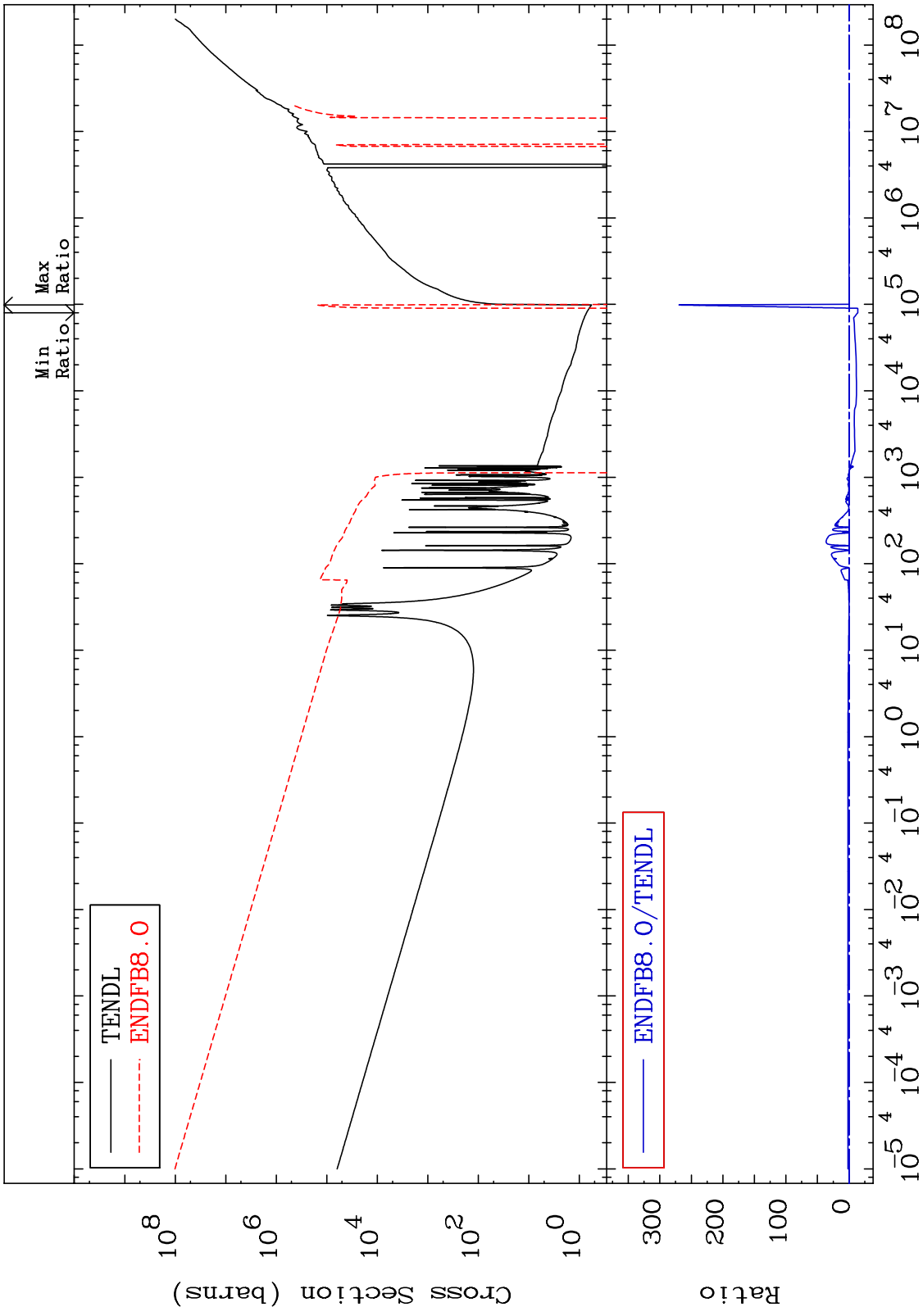
MAT 7249 72-Hf-182  
-99.99 To 9999. %  
 Kerma elastic  
 Cross Section



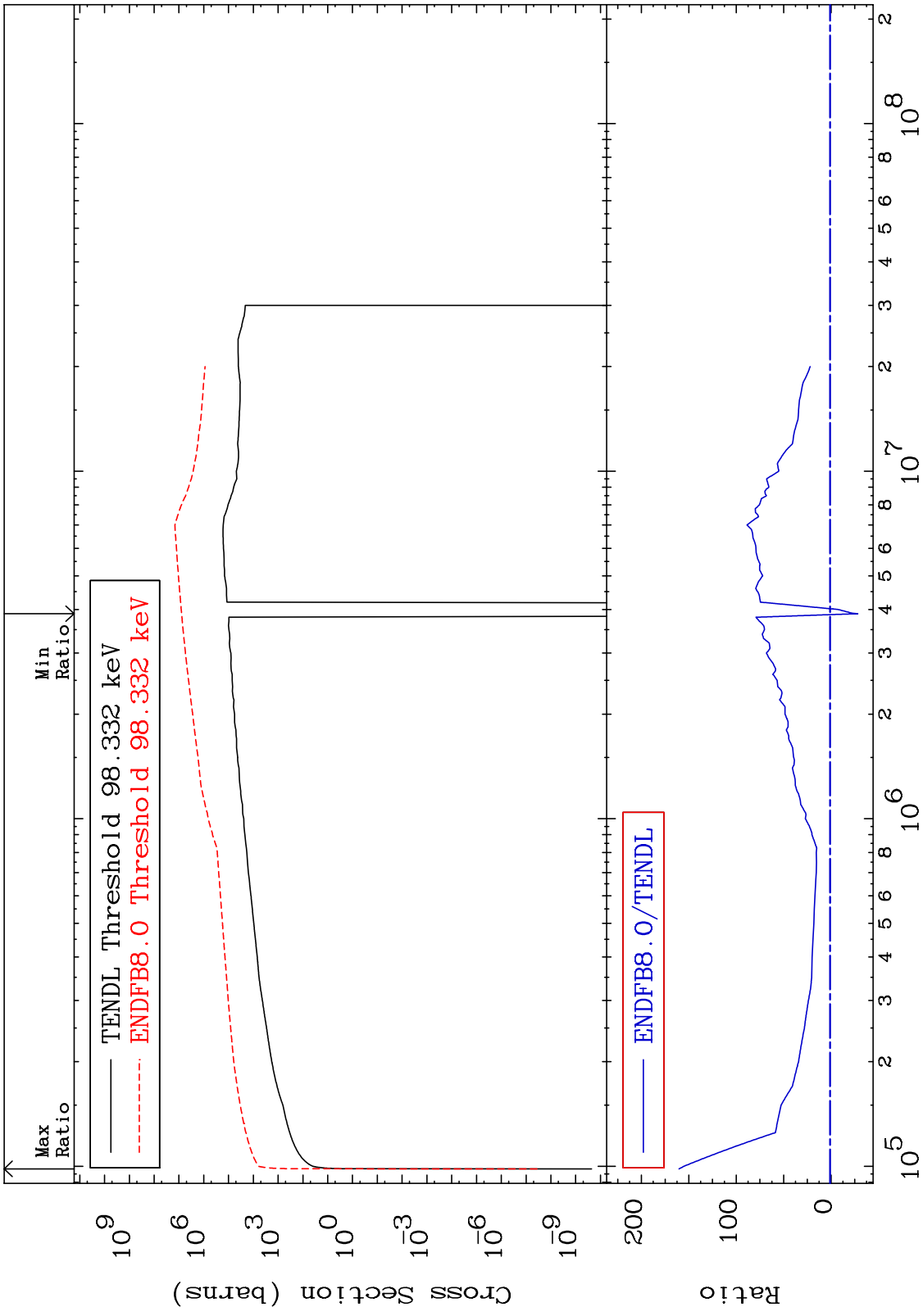
Incident Energy (eV) 72-Hf-182



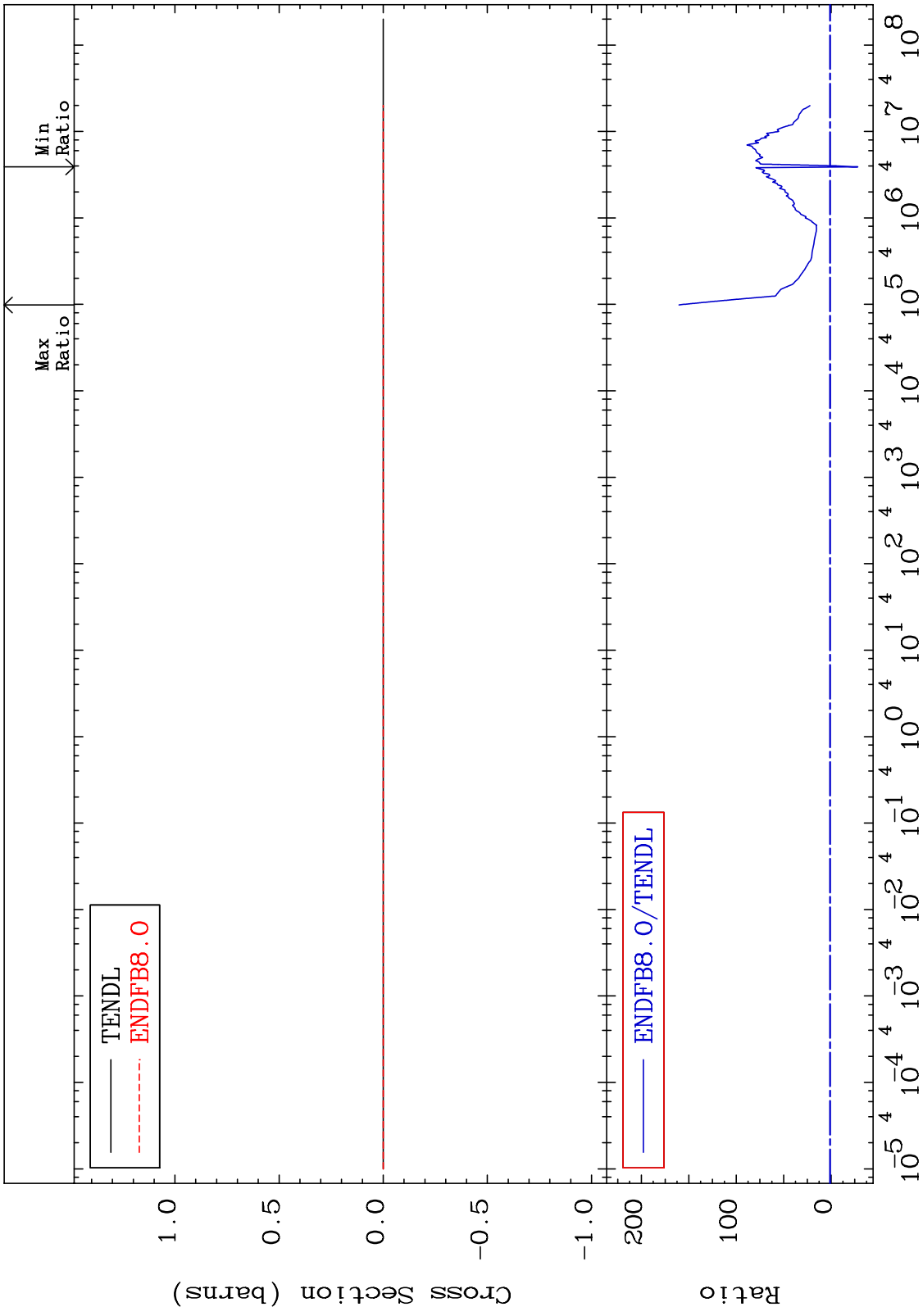
MAT 7249 Kerma non-elastic (all but mt2) Cross Section 72-Hf-182 -9999. To 9999. %

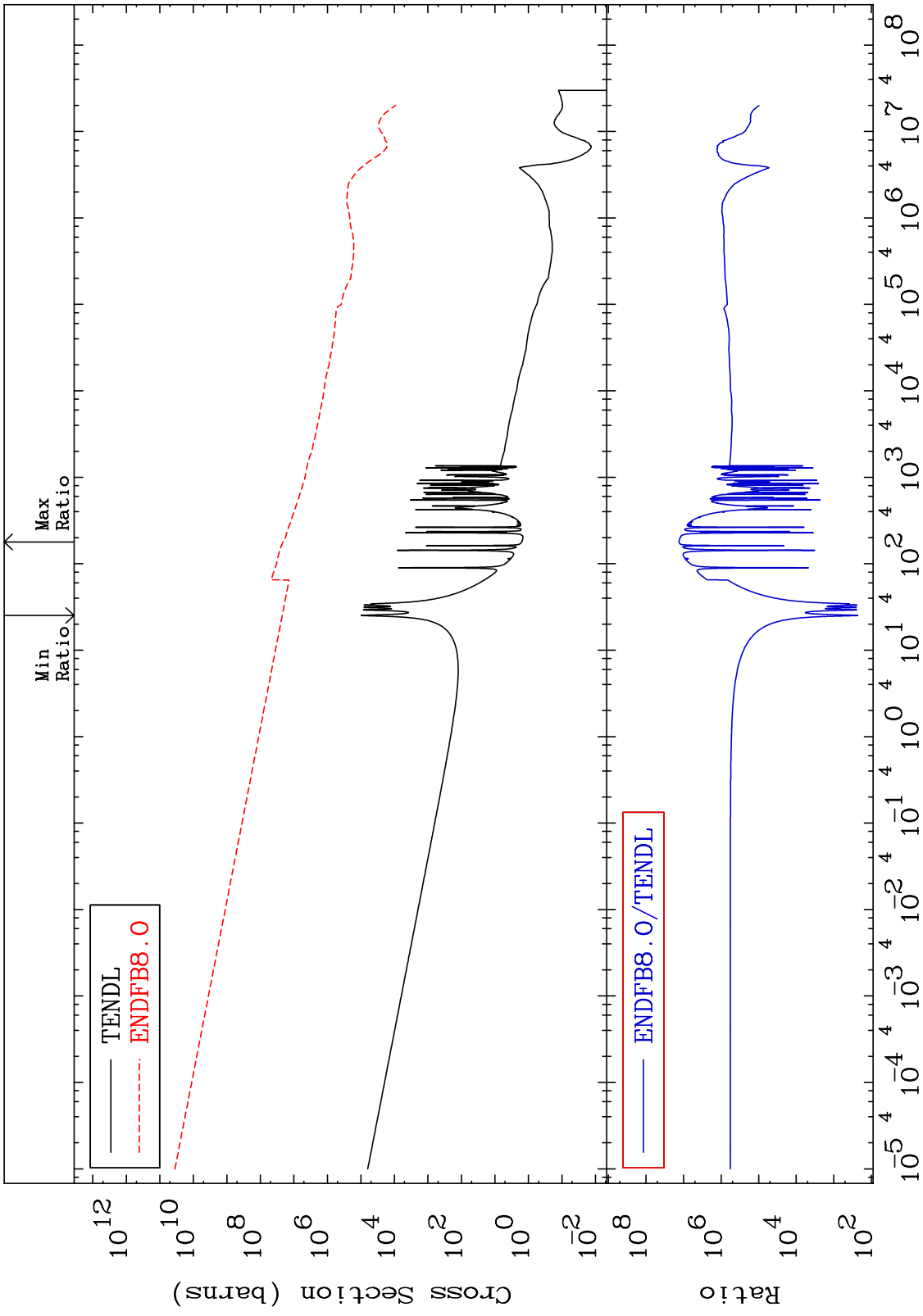


MAT 7249 Kerma inelastic (mt51-91) 72-Hf-182  
 -2925. To 9999. %  
 Cross Section



MAT 7249 Kerma fission (mt18 or mt19-20-21-38) 72-Hf-182  
 Cross Section -2925. To 9999. %

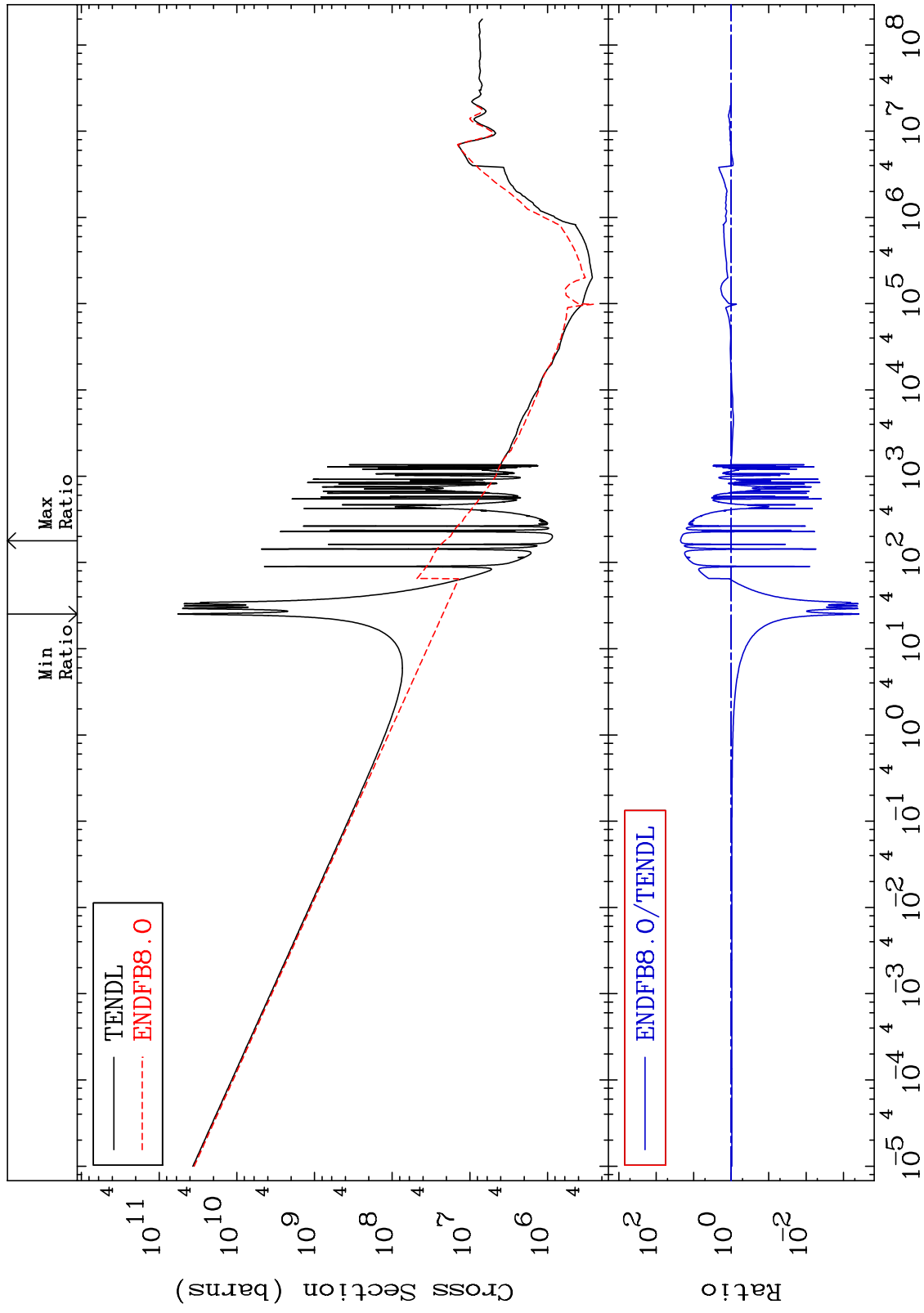




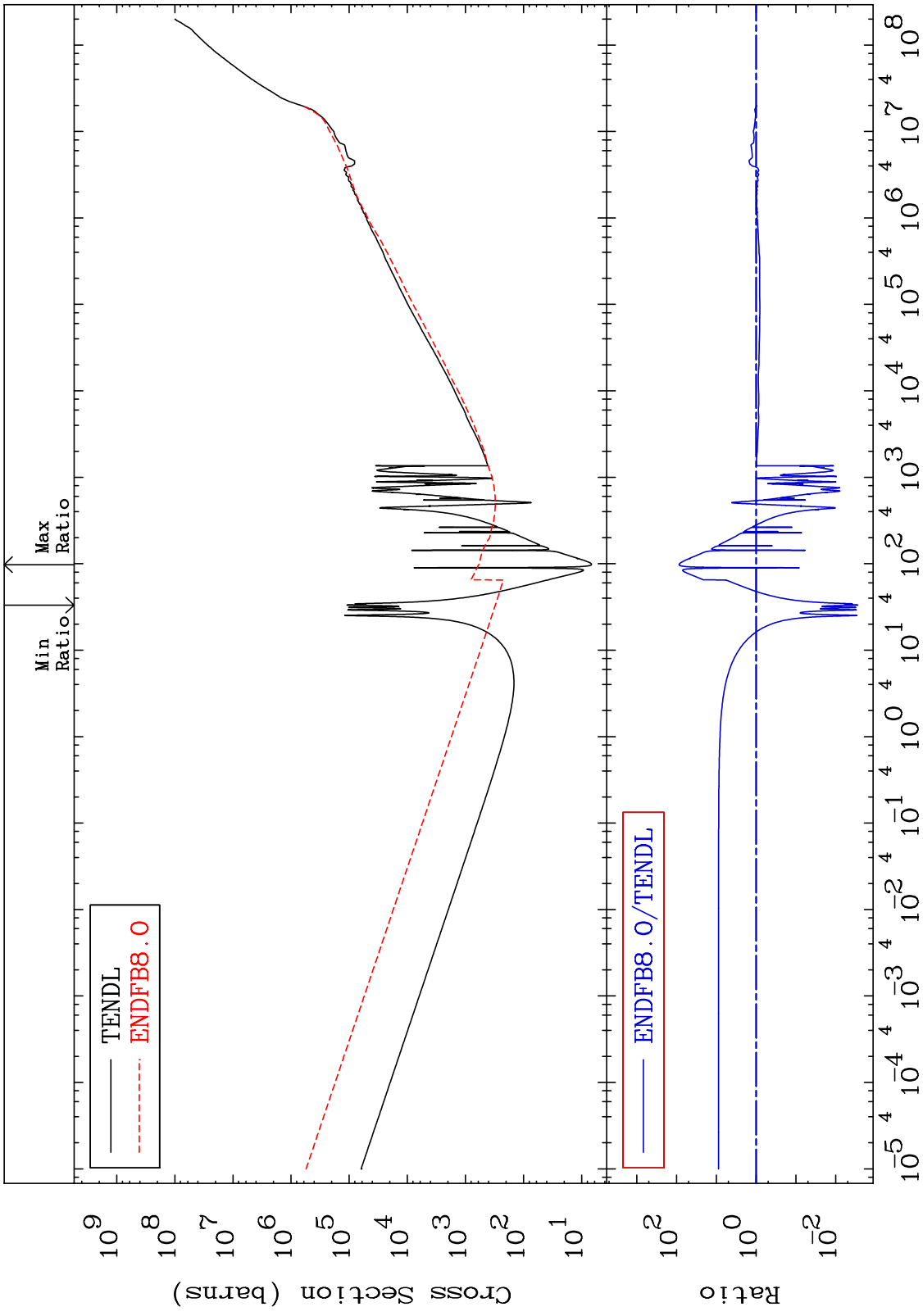
MAT 7249

Total photon (eV-barns)  
Cross Section

72-Hf-182  
-99.96 To 2133. %

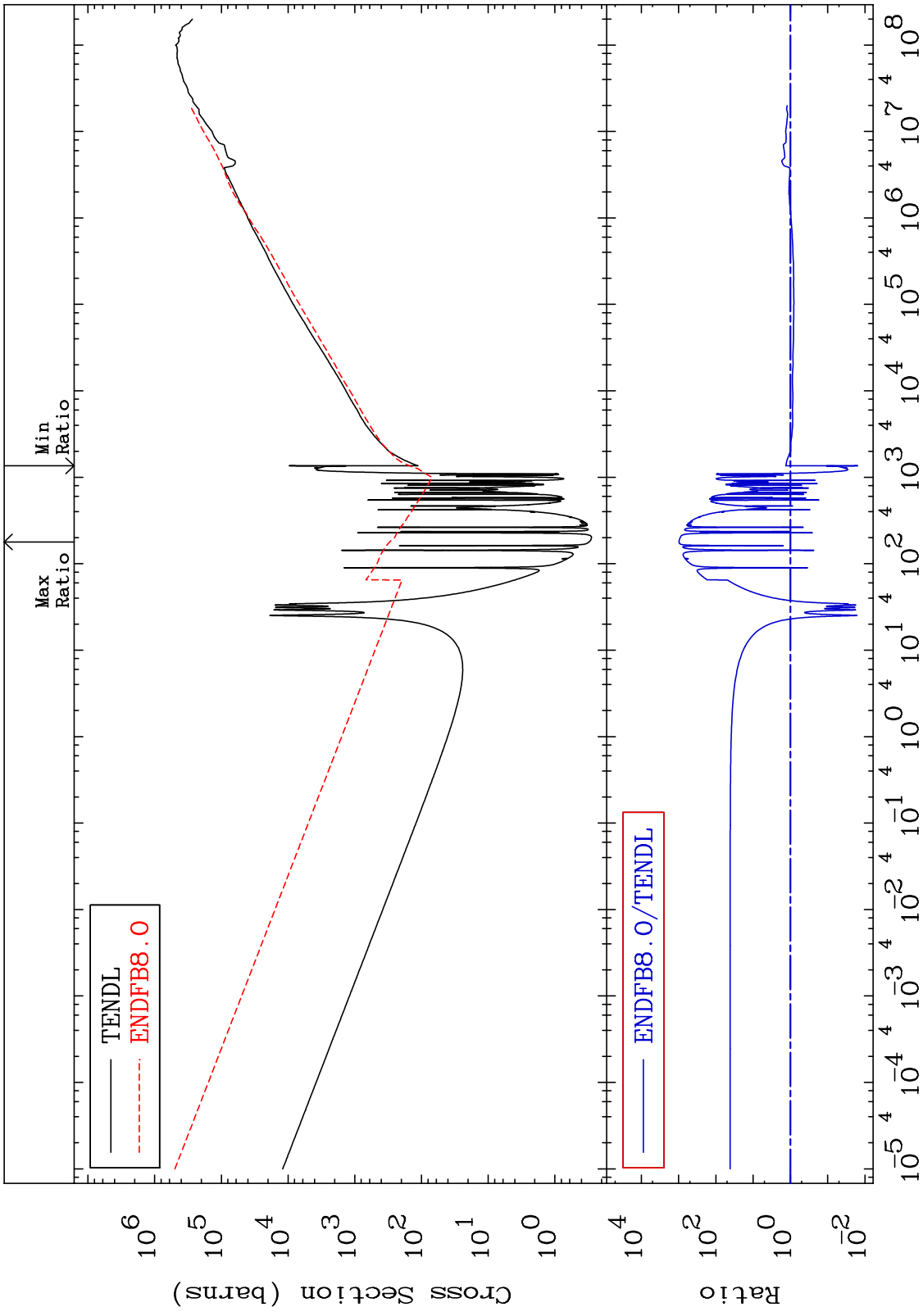


MAT 7249      Total kinematic kerma (high limit)      72-Hf-182  
 -99.72 To 8602. %  
 Cross Section

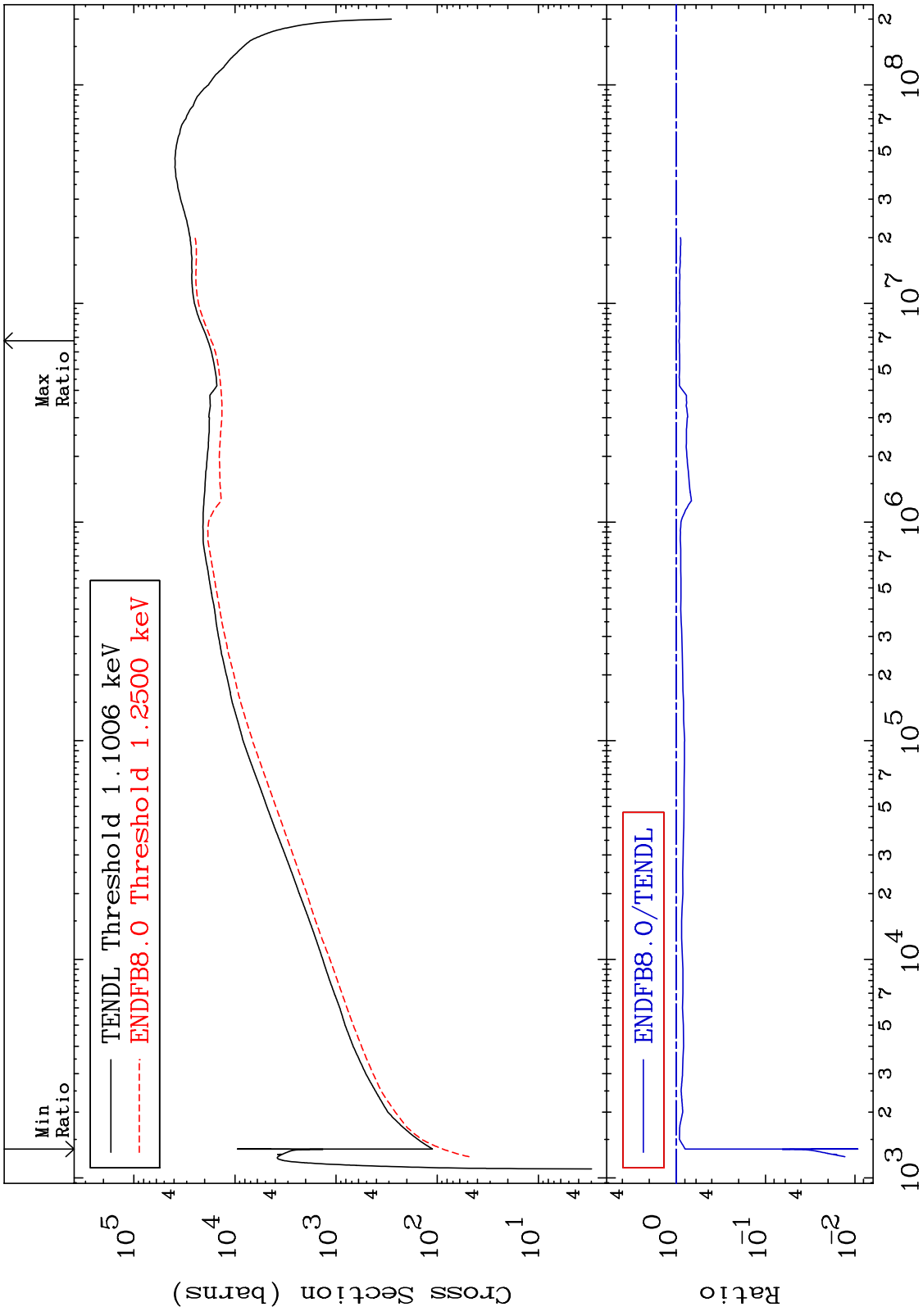


37      Incident Energy (eV)      72-Hf-182

MAT 7249      Dpa total (eV-barns)      72-Hf-182  
 Cross Section      -98.45 To 9999. %



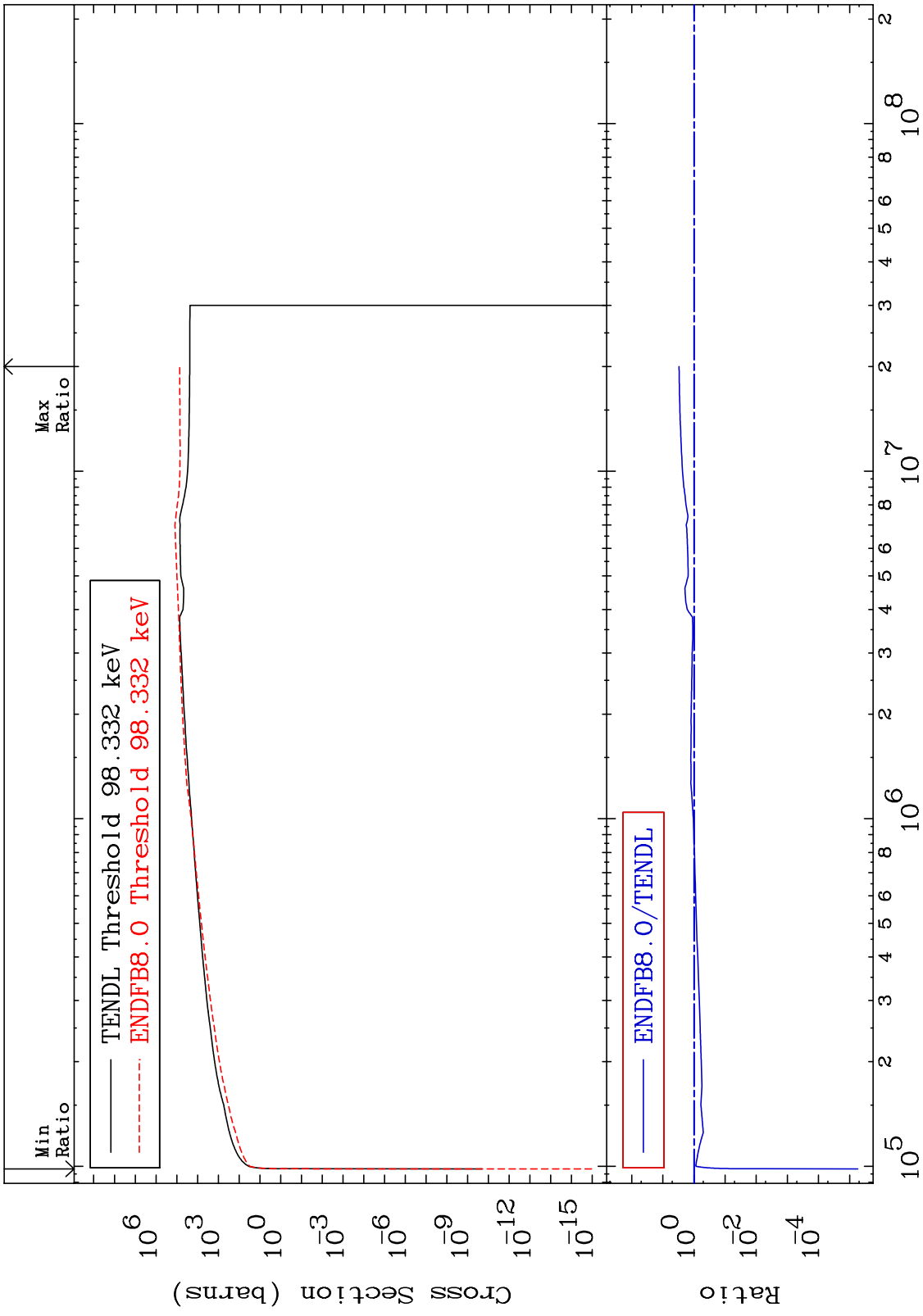
MAT 7249      Dpa elastic (mt2)      72-Hf-182  
 Cross Section      -99.07 To -7.242%



39      Incident Energy (eV)      72-Hf-182



MAT 7249      Dpa inelastic (mt51-91)      72-Hf-182  
Cross Section      -100.0 To 201.8 %



40      Incident Energy (eV)      72-Hf-182

MAT 7249      Dpa disappearance (mt102 -120)      72-Hf-182  
 Cross Section      -98.33 To 9999. %

