

Program Complot  
(Version 2018-1)

by

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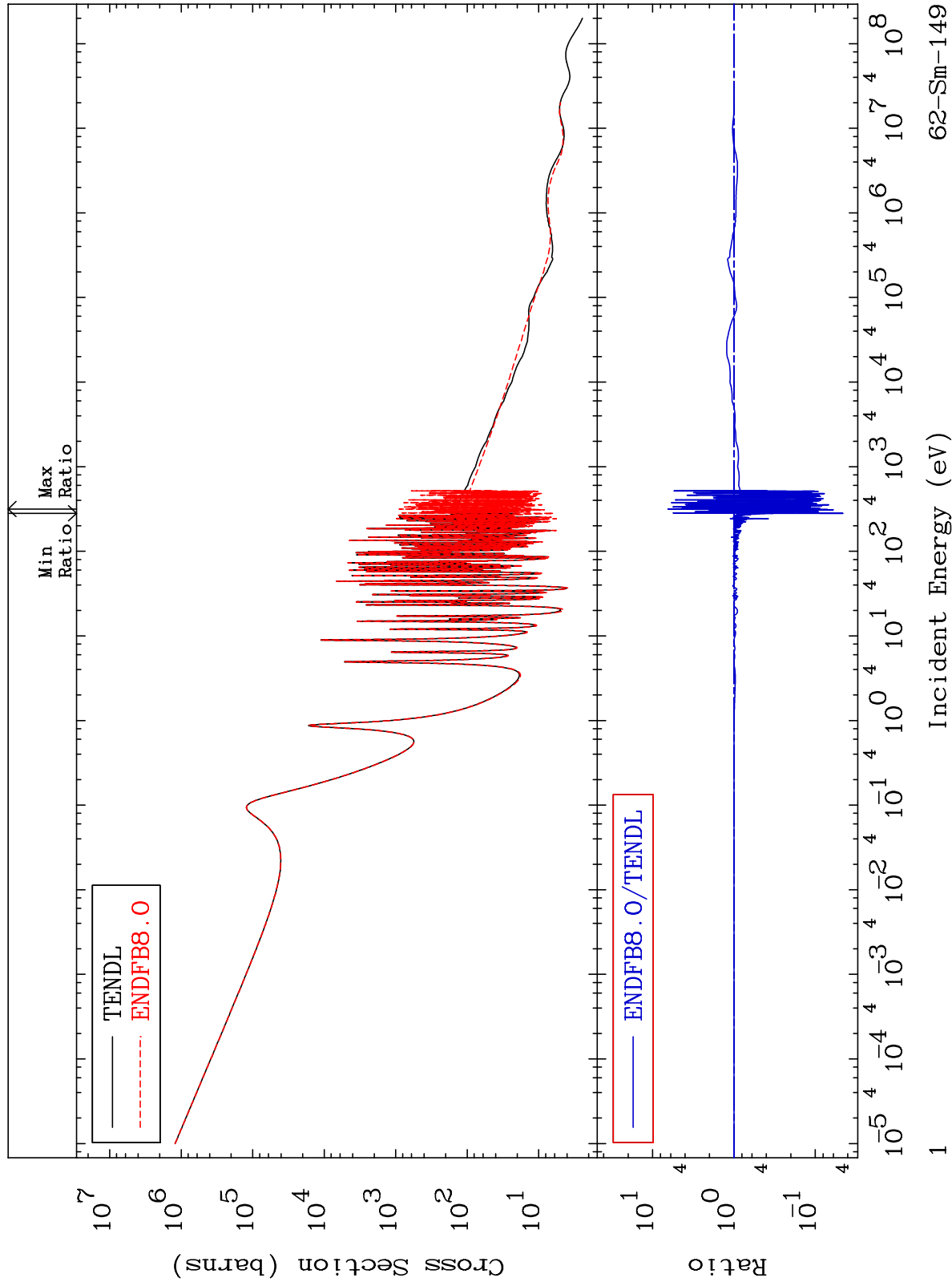
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6240

Total  
Cross Section

62-Sm-149  
-95.42 To 547.3 %



62-Sm-149

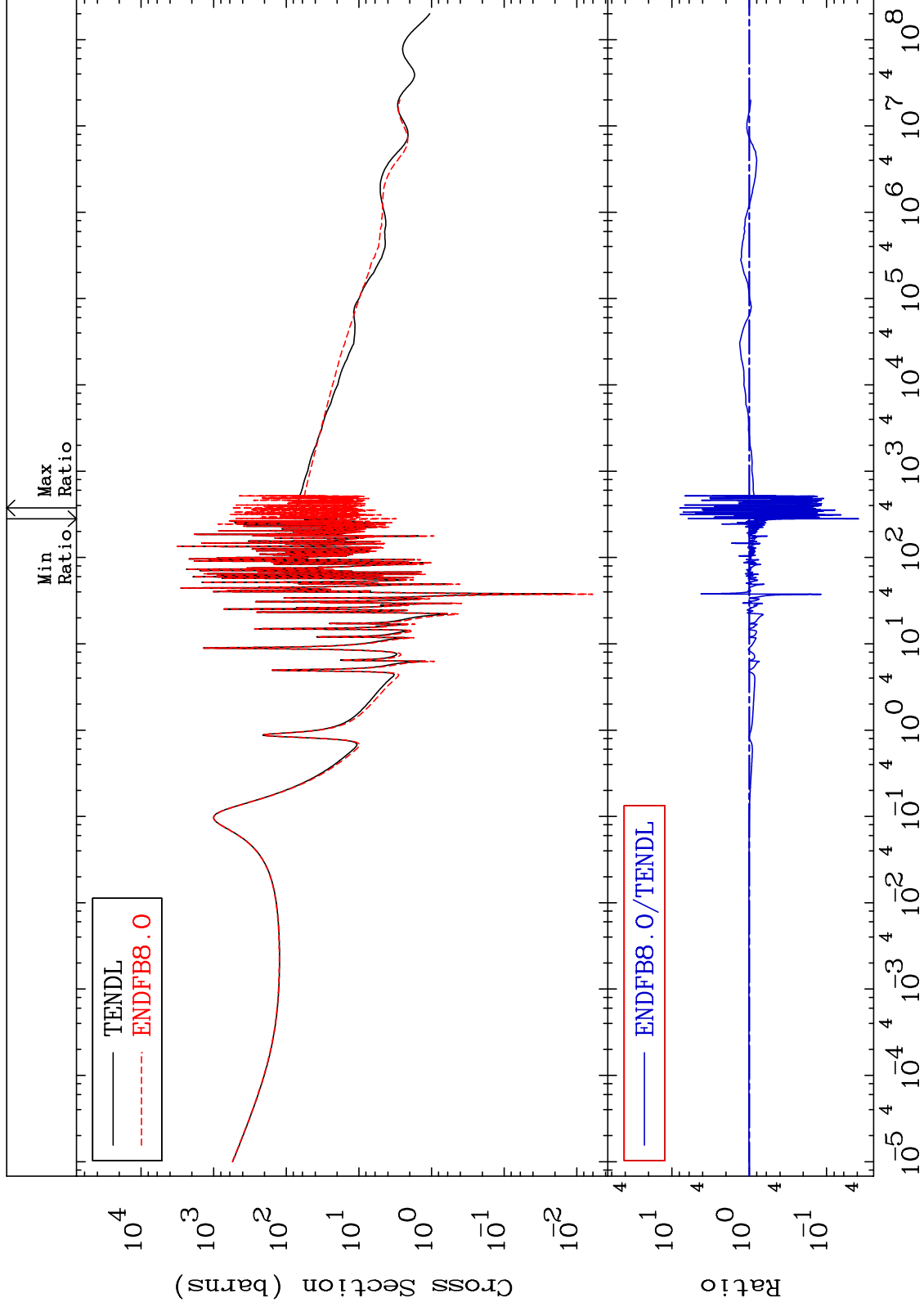
MAT 6240

Elastic

62-Sm-149

Cross Section

-96.12 To 684.3 %



Incident Energy (eV)

62-Sm-149

2



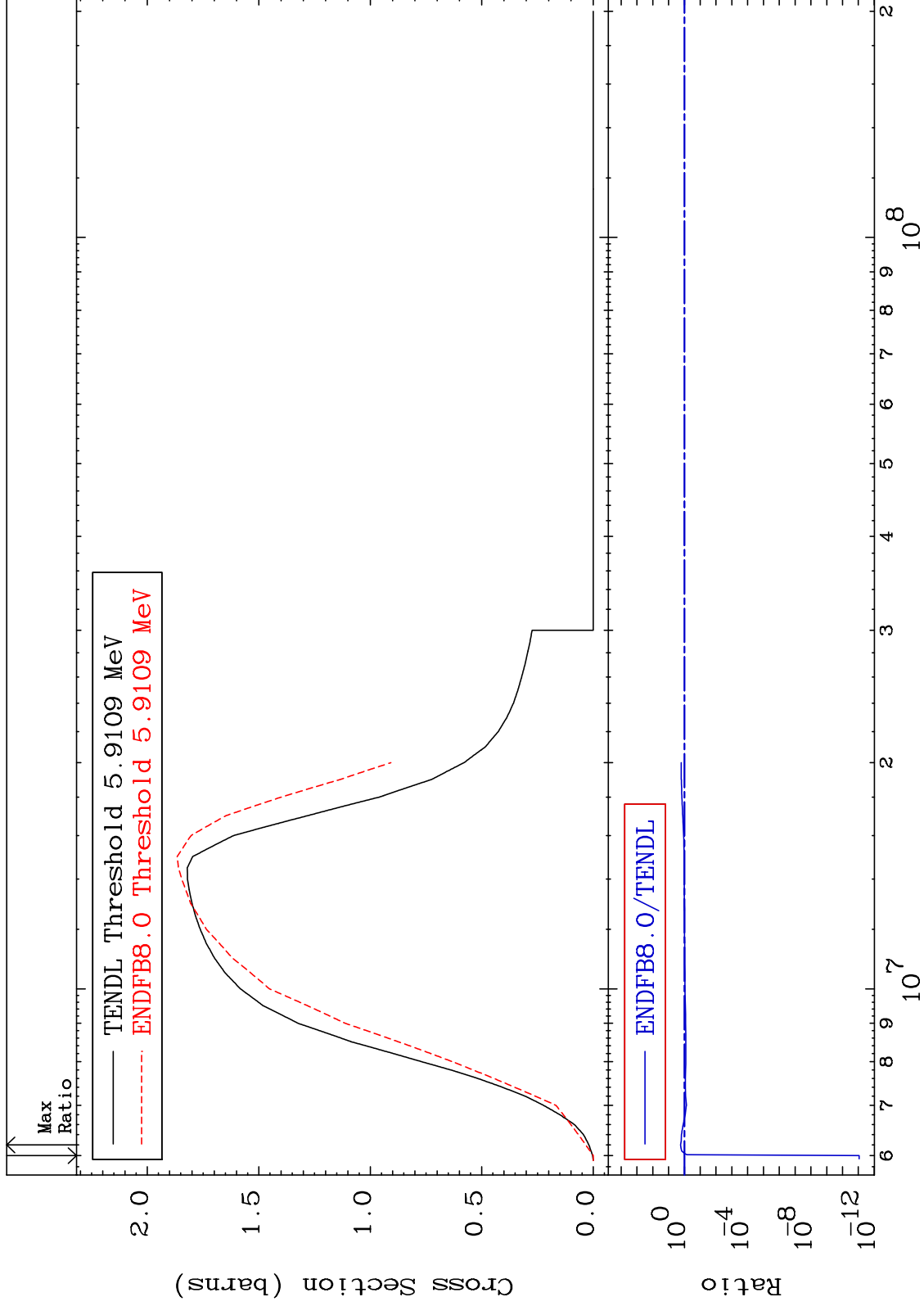
MAT 6240

(n,2n)

62-Sm-149

Cross Section

-100.0 To 73.26 %



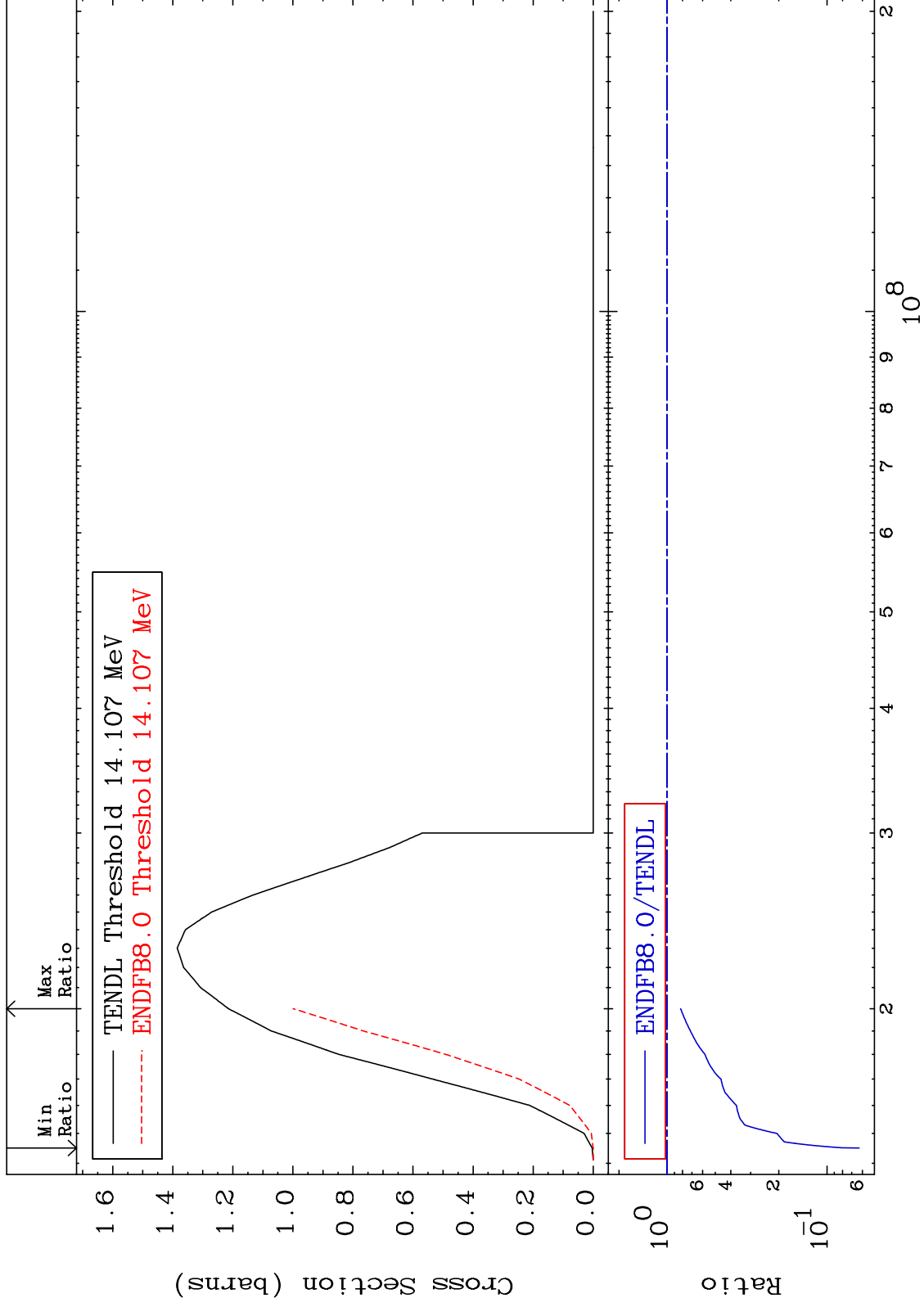
MAT 6240

(n, 3n)

62-Sm-149

Cross Section

-93.71 To -17.76%



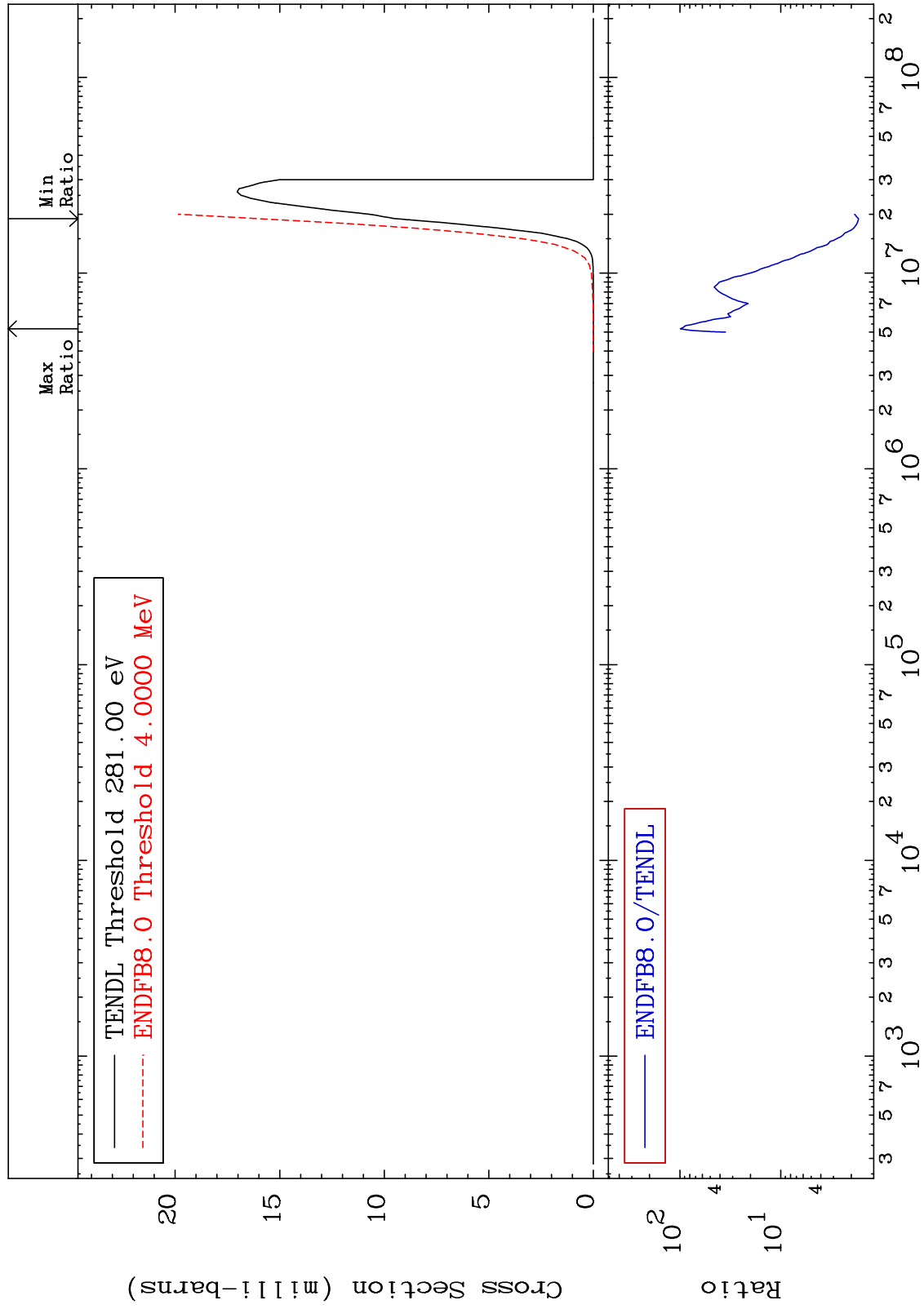
MAT 6240

(n, n')  $\alpha$

Cross Section

62-Sm-149

69.42 To 9779. %



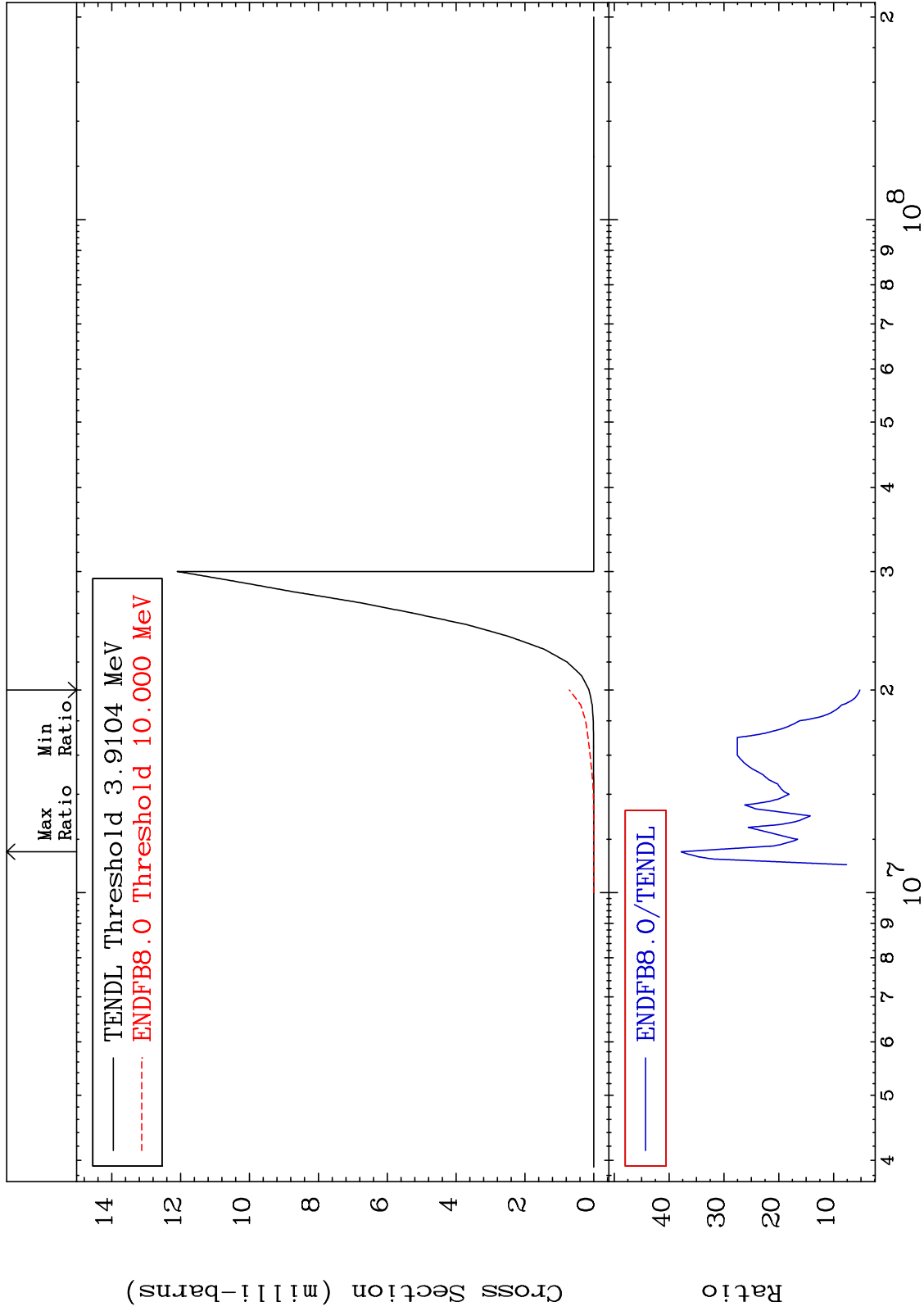
MAT 6240

(n,2n)  $\alpha$

62-Sm-149

Cross Section

419.5 To 3678. %

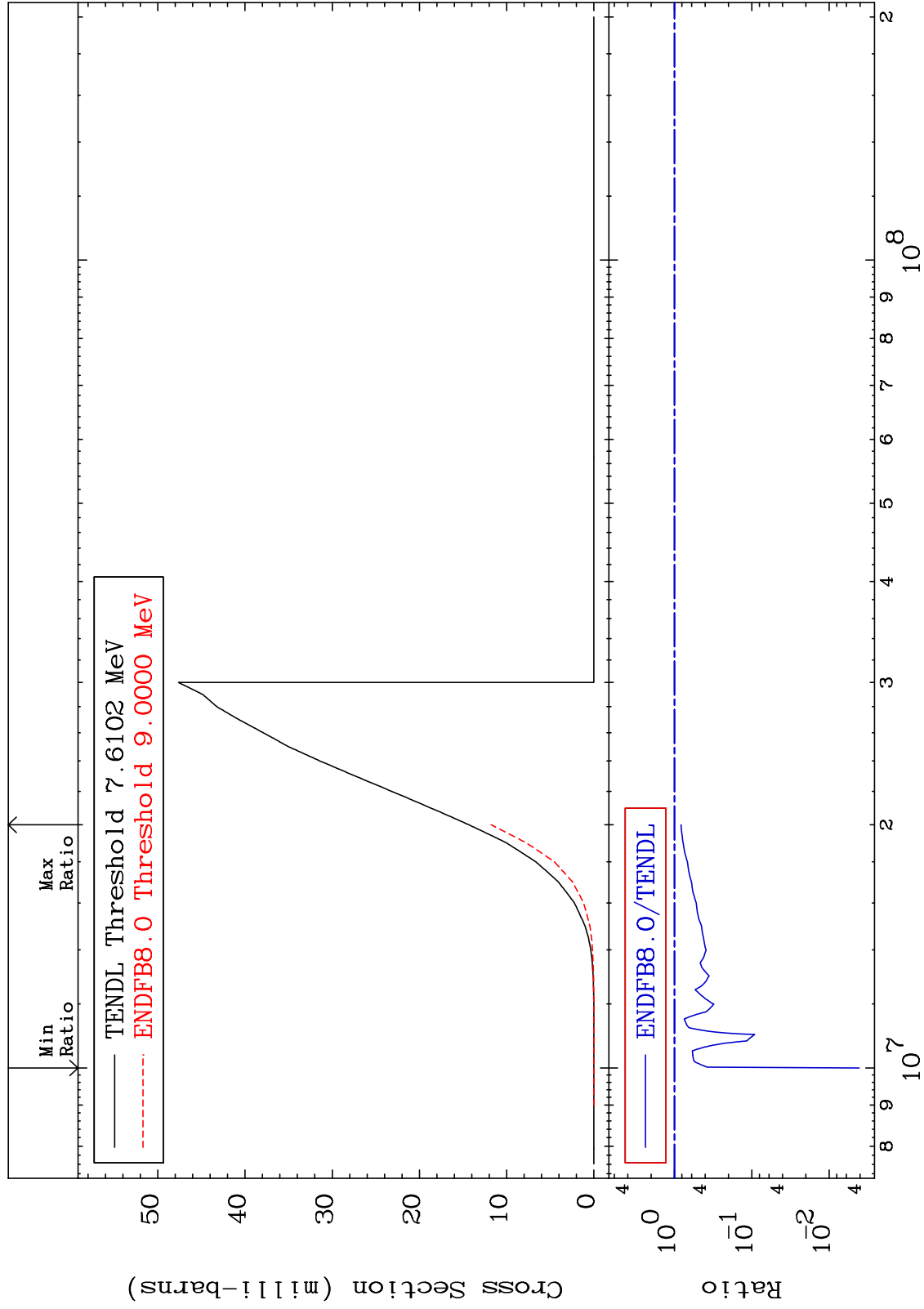




MAT 6240

(n,n') p  
Cross Section

62-Sm-149  
-99.59 To -17.82%



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Incident Energy (eV)

62-Sm-149

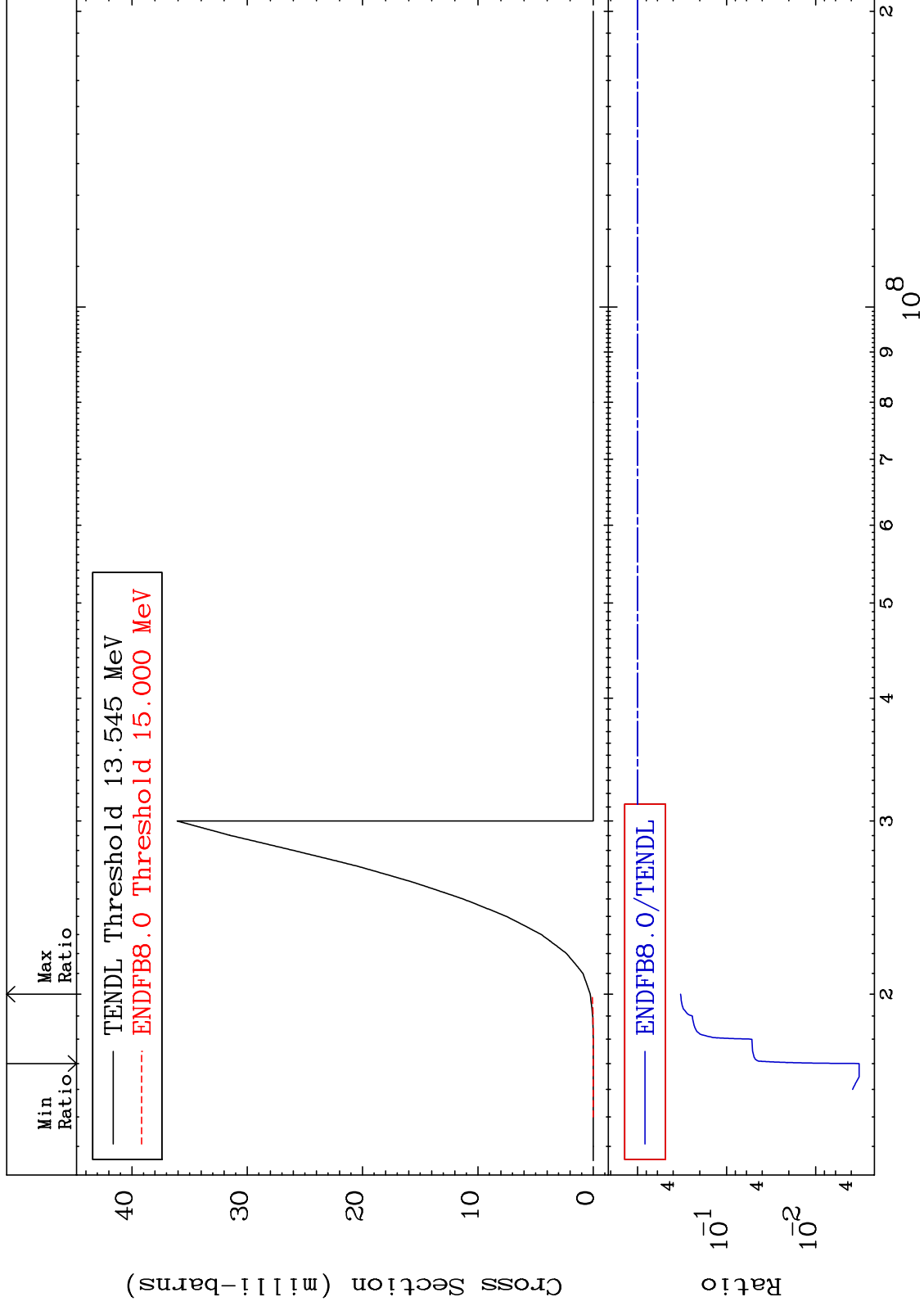
MAT 6240

(n,2n) p

62-Sm-149

Cross Section

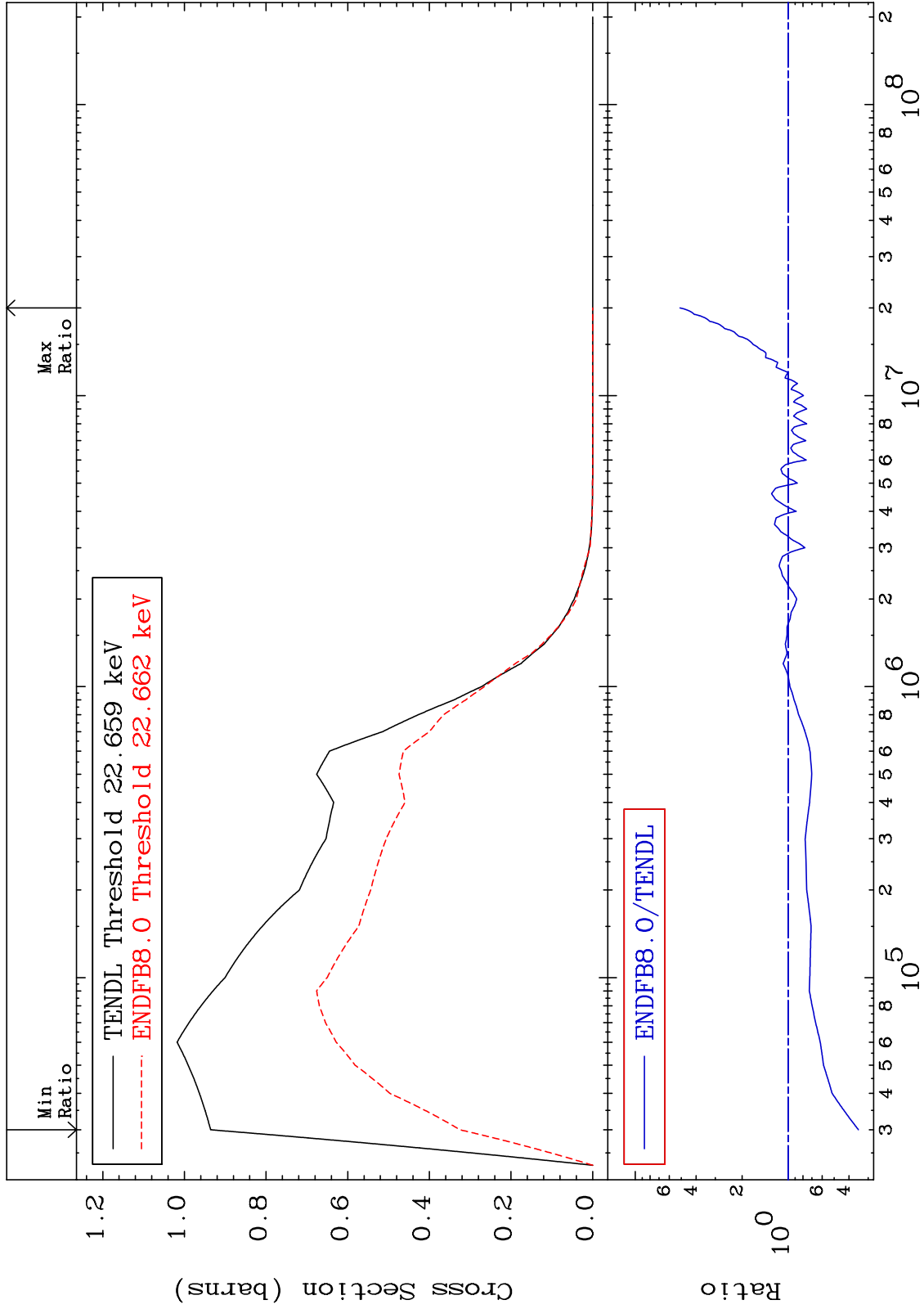
-99.67 To -67.13%



MAT 6240

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

62-Sm-149  
-65.26 To 410.0 %

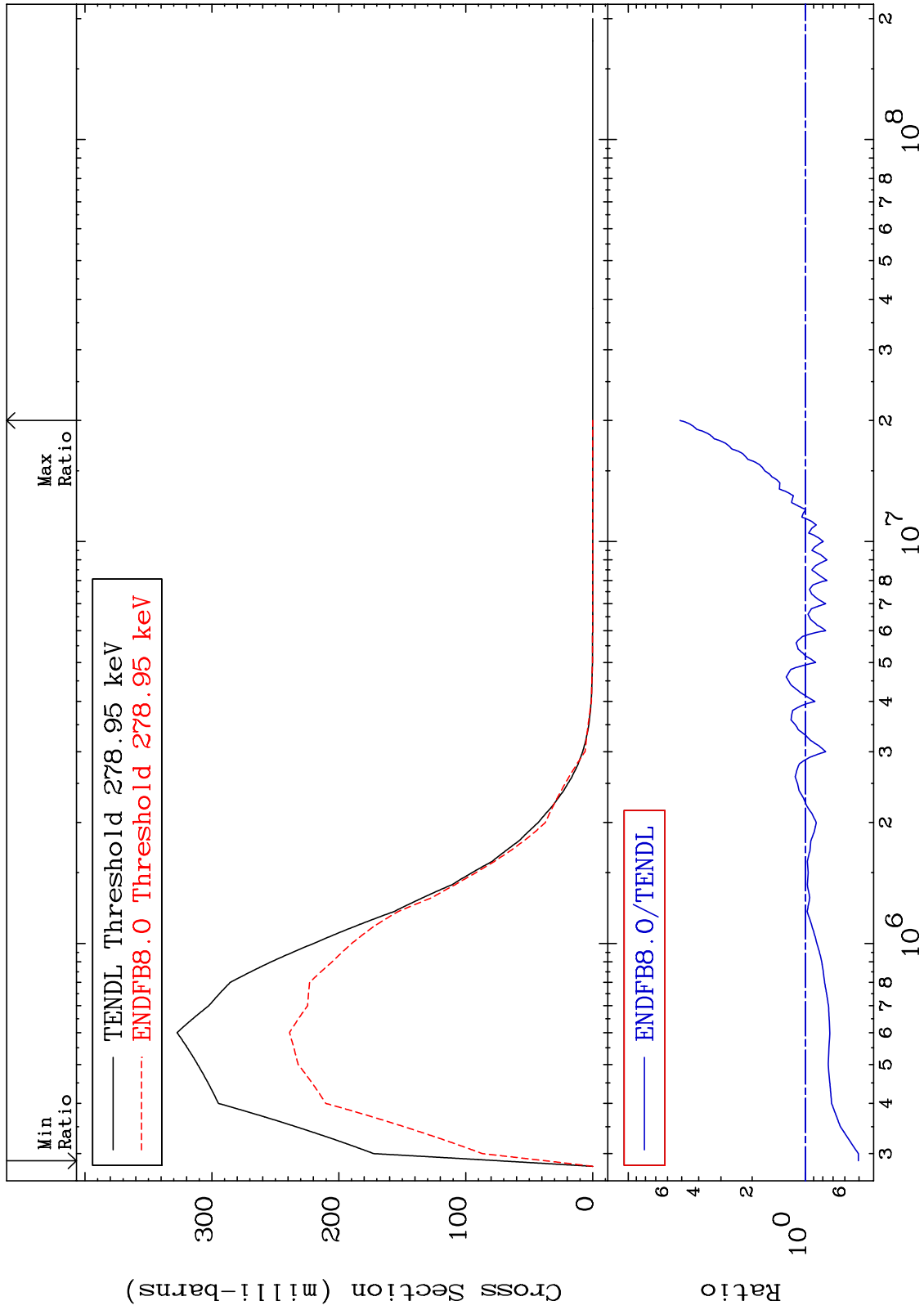


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Incident Energy (eV)

62-Sm-149

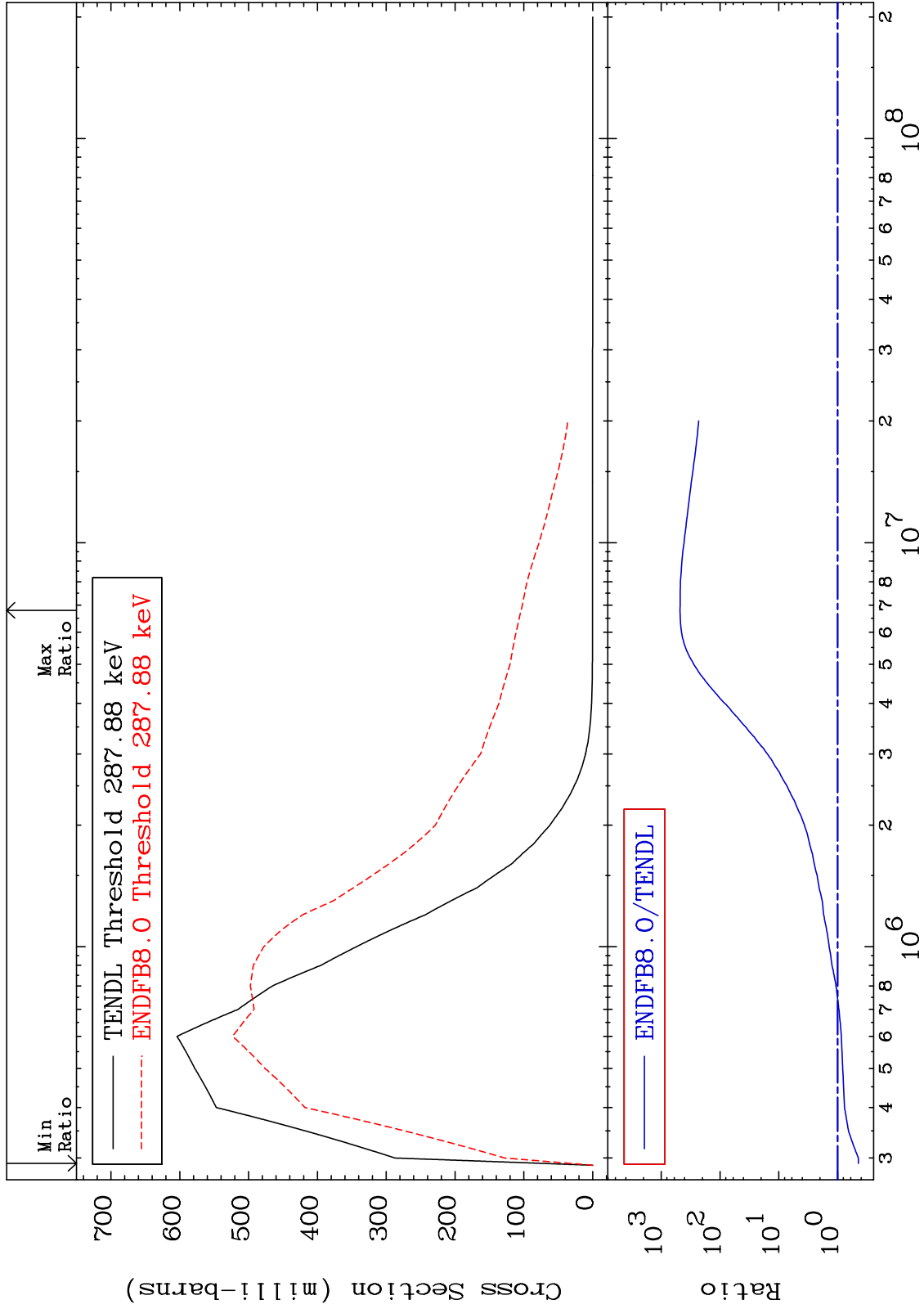
MAT 6240 MT= 52 (n,n') Level Cross Section 62-Sm-149 -49.65 To 410.6 %



MAT 6240

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

62-Sm-149  
-55.55 To 9999. %

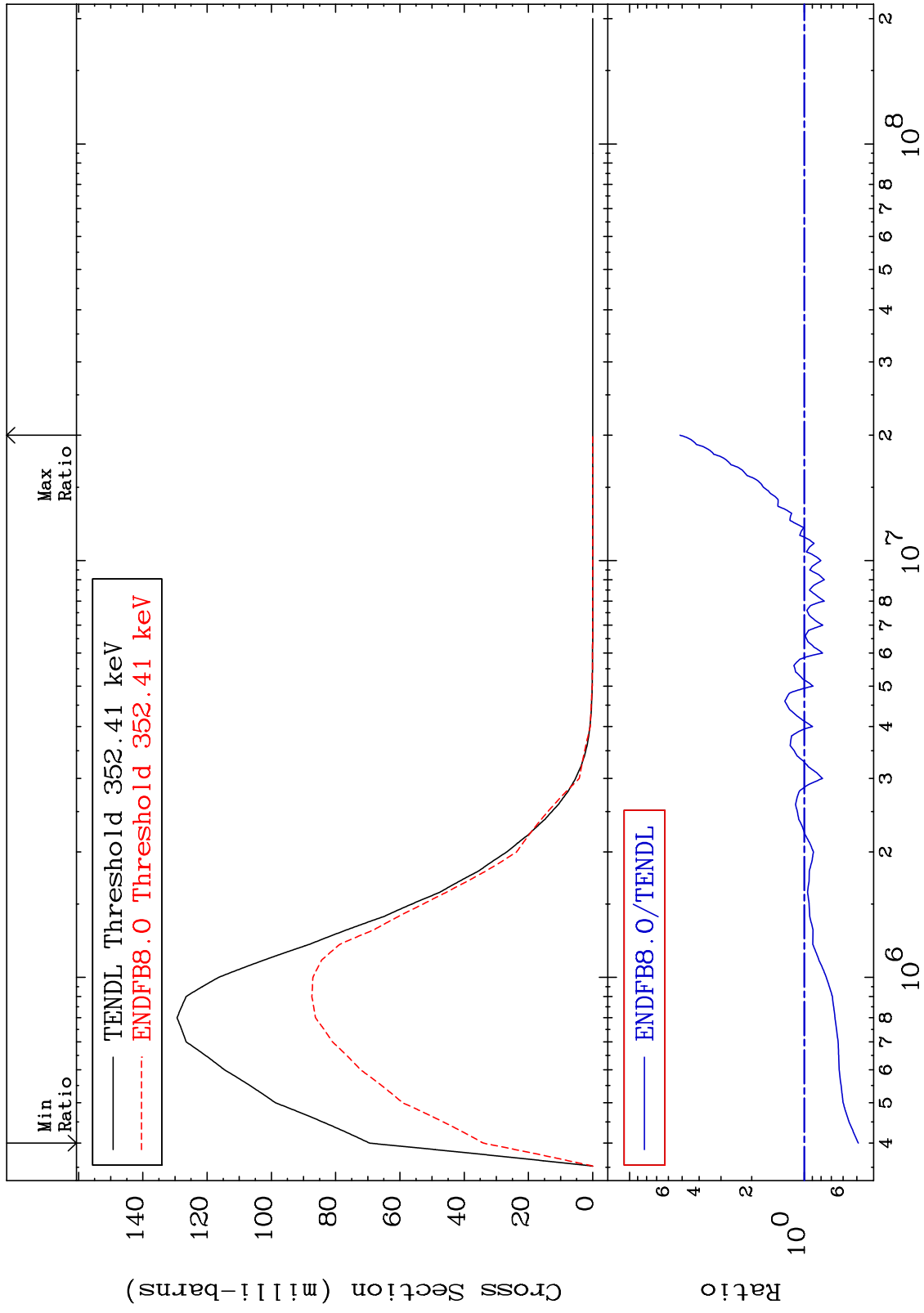


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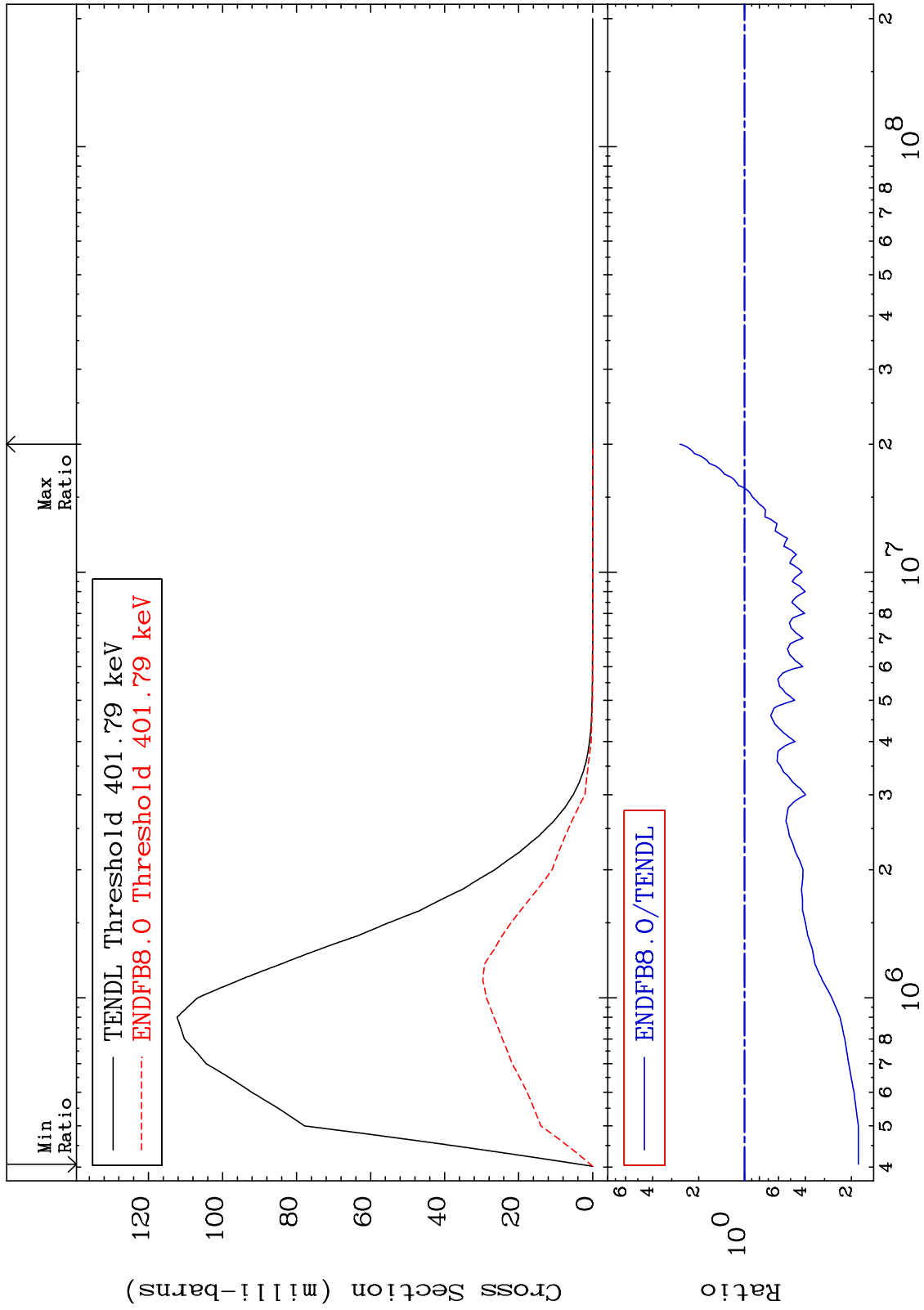
Incident Energy (eV)

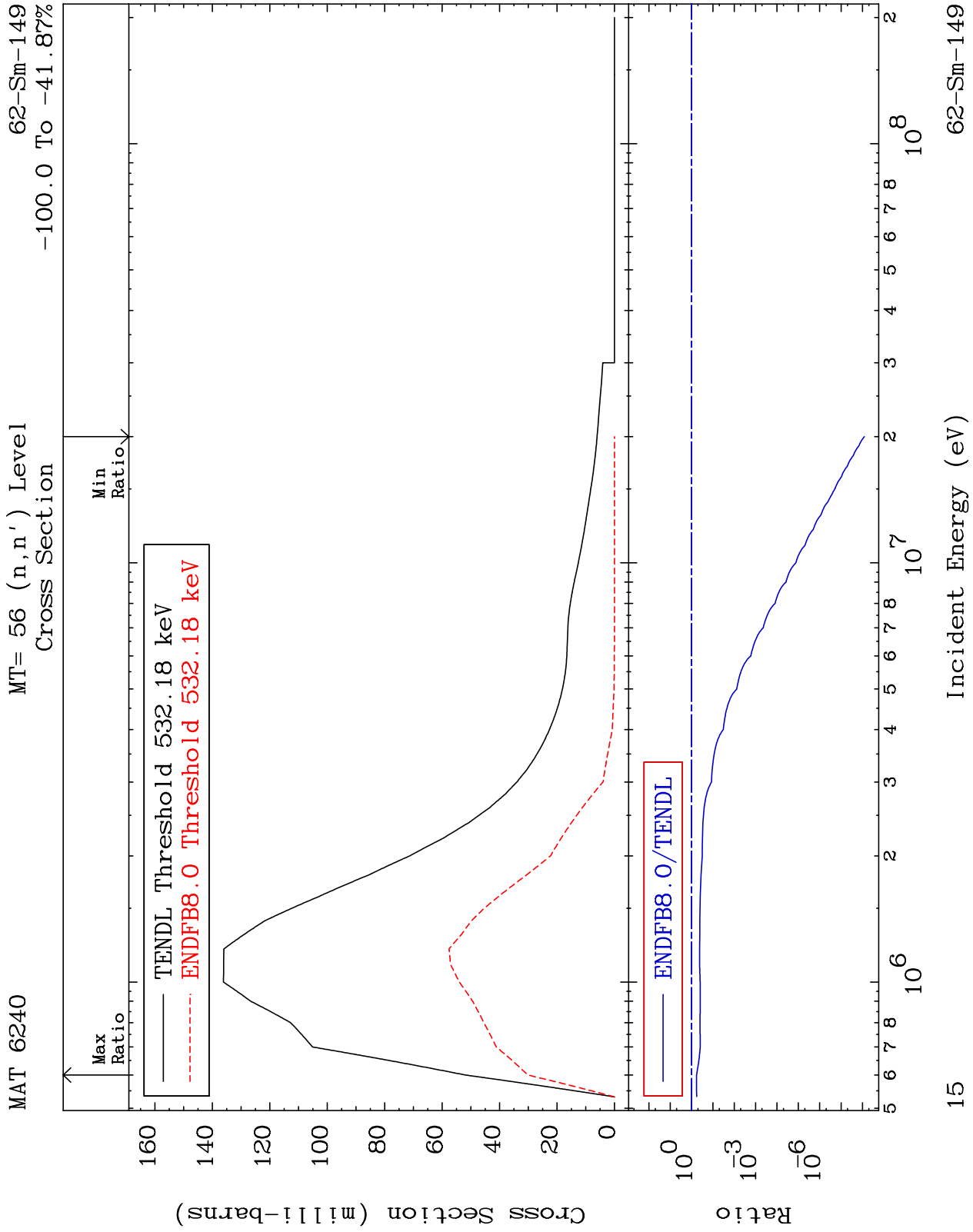
62-Sm-149

MAT 6240      MT= 54 (n,n') Level      62-Sm-149  
 Cross Section      -51.03 To 414.2 %



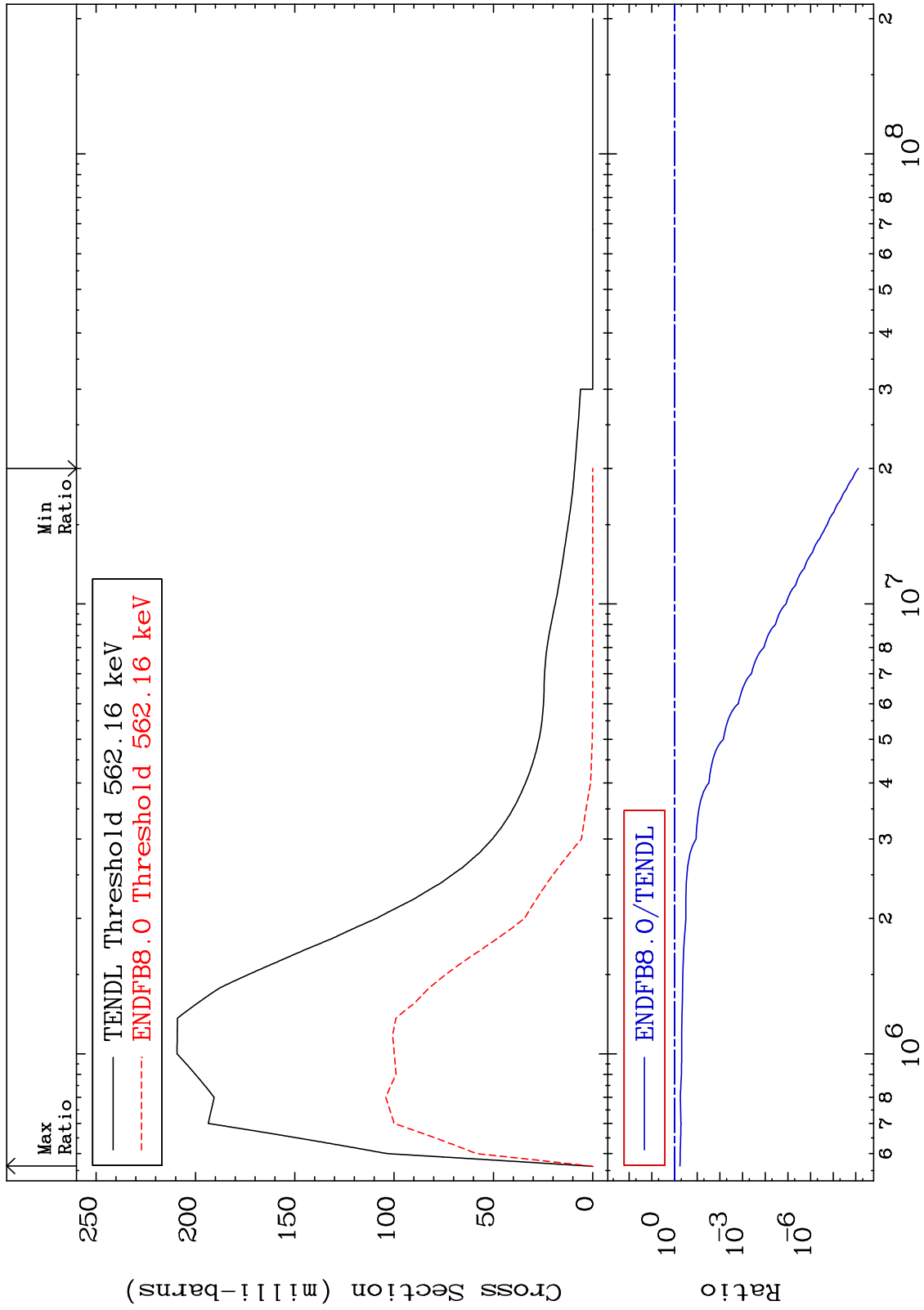
MAT 6240      MT= 55 (n,n') Level Cross Section      62-Sm-149  
 -82.00 To 164.7 %



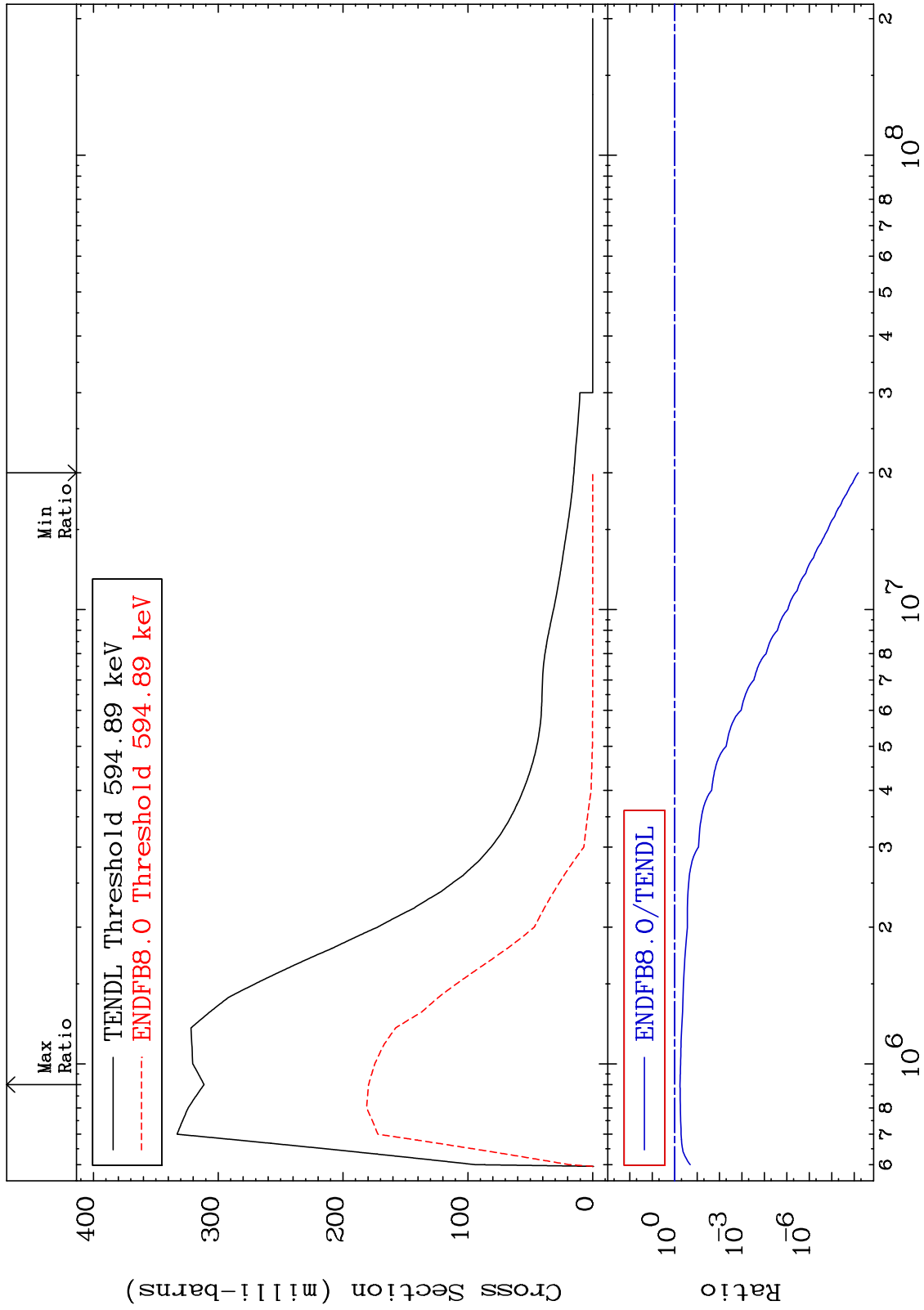




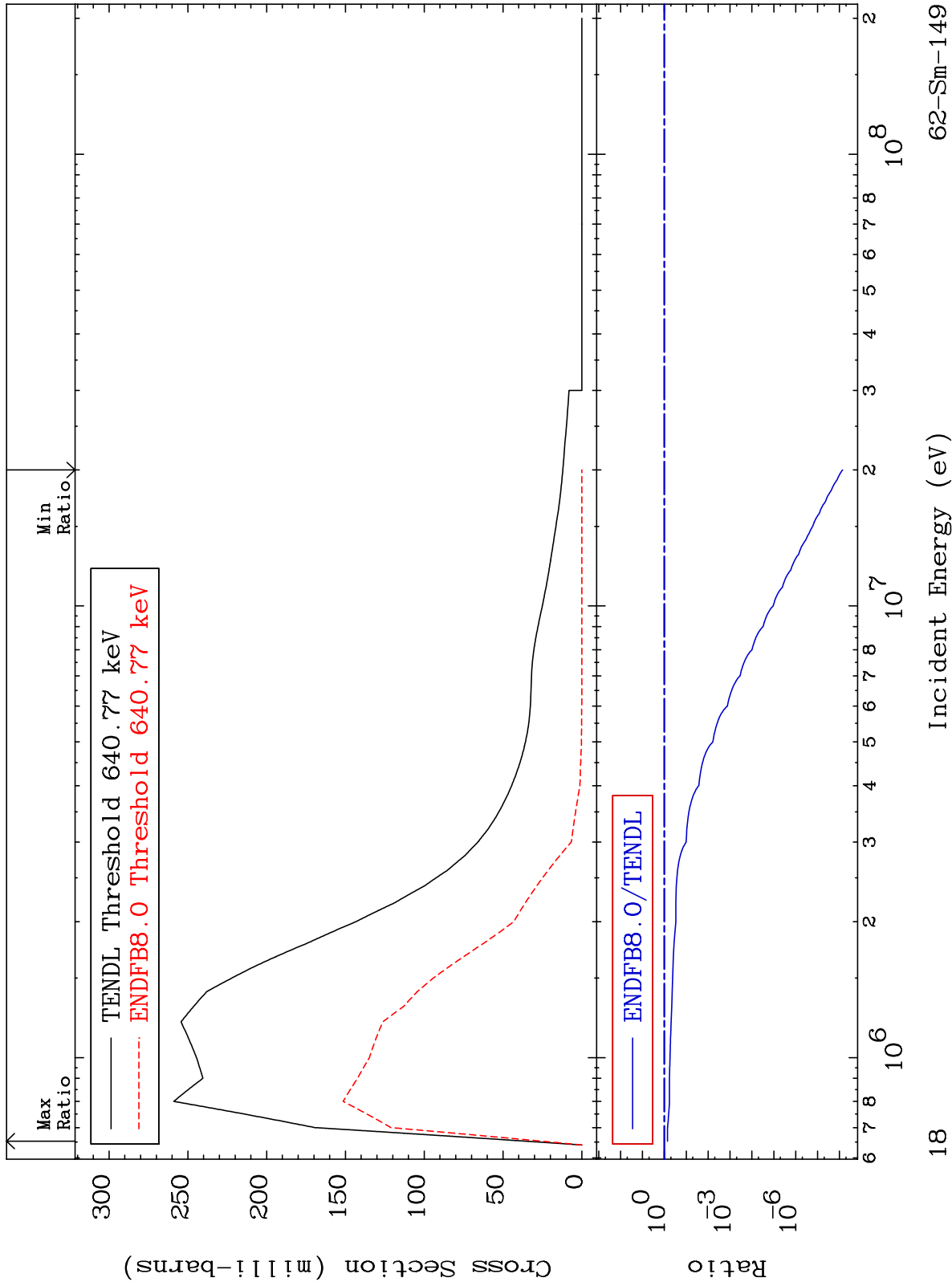
MAT 6240 MT= 57 (n,n') Level Cross Section 62-Sm-149 -100.0 To -43.20%



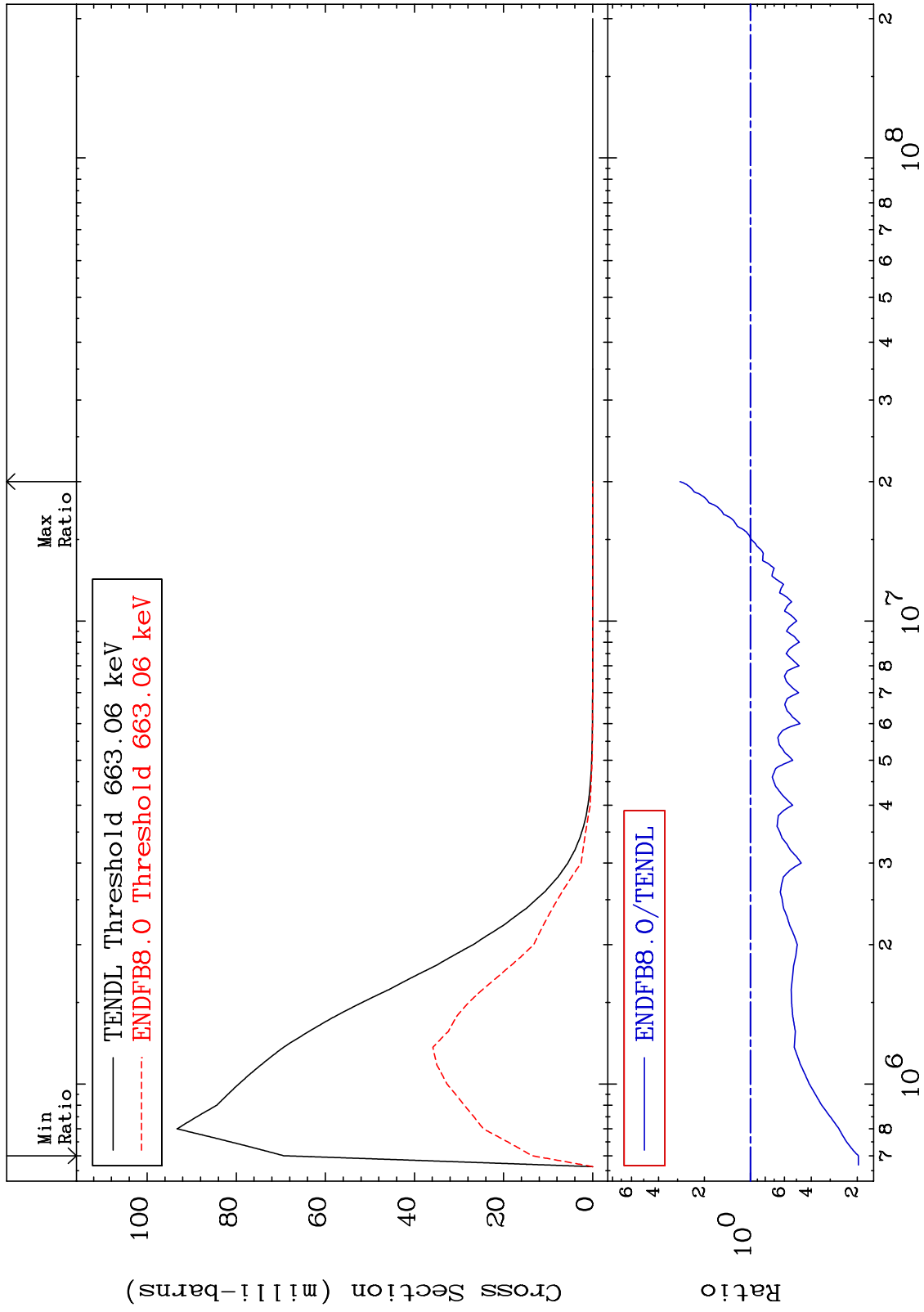
MAT 6240 MT= 58 (n,n') Level Cross Section 62-Sm-149  
 -100.0 To -42.33%



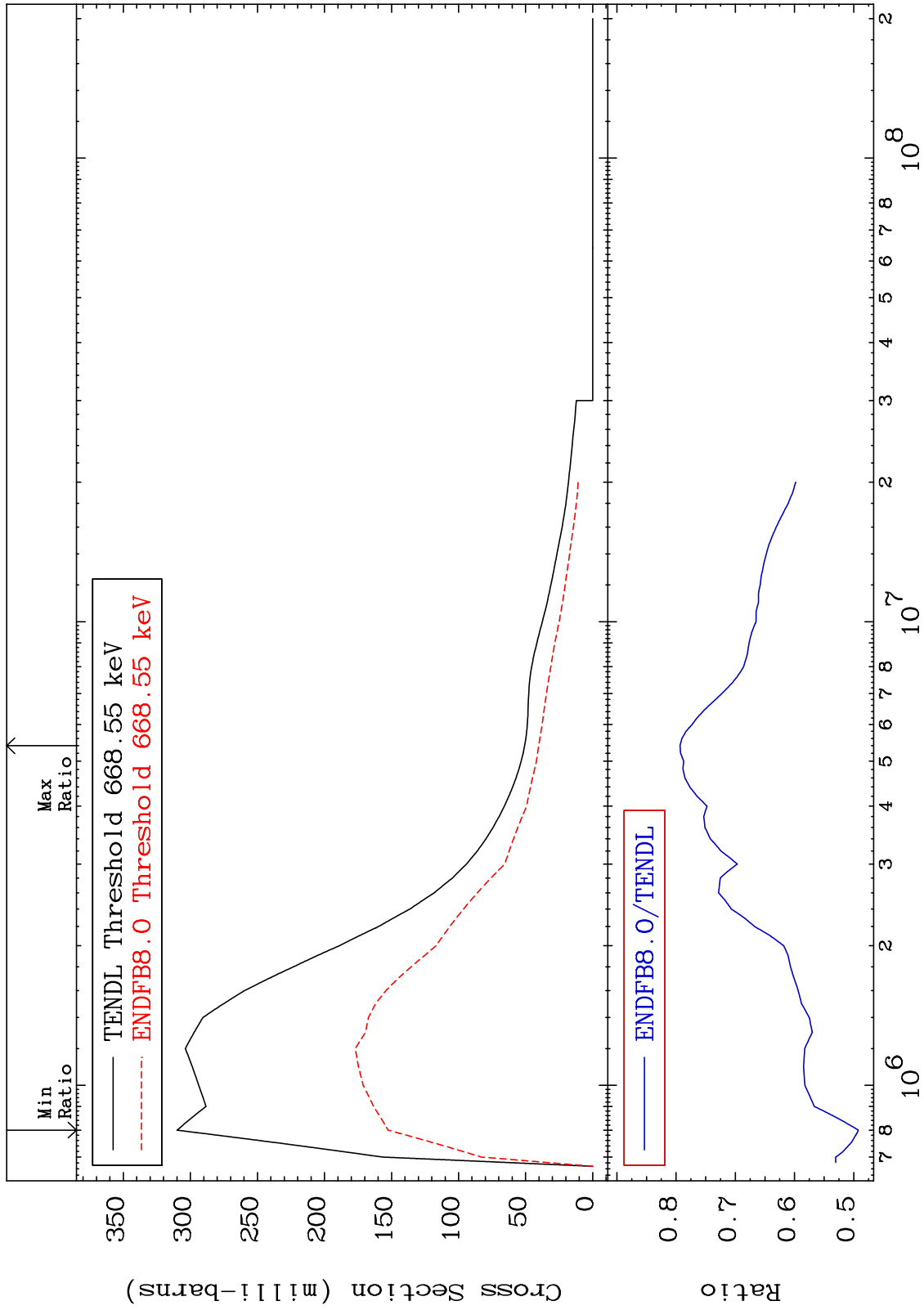
MAT 6240 MT= 59 (n,n') Level Cross Section 62-Sm-149 -100.0 To -28.46%



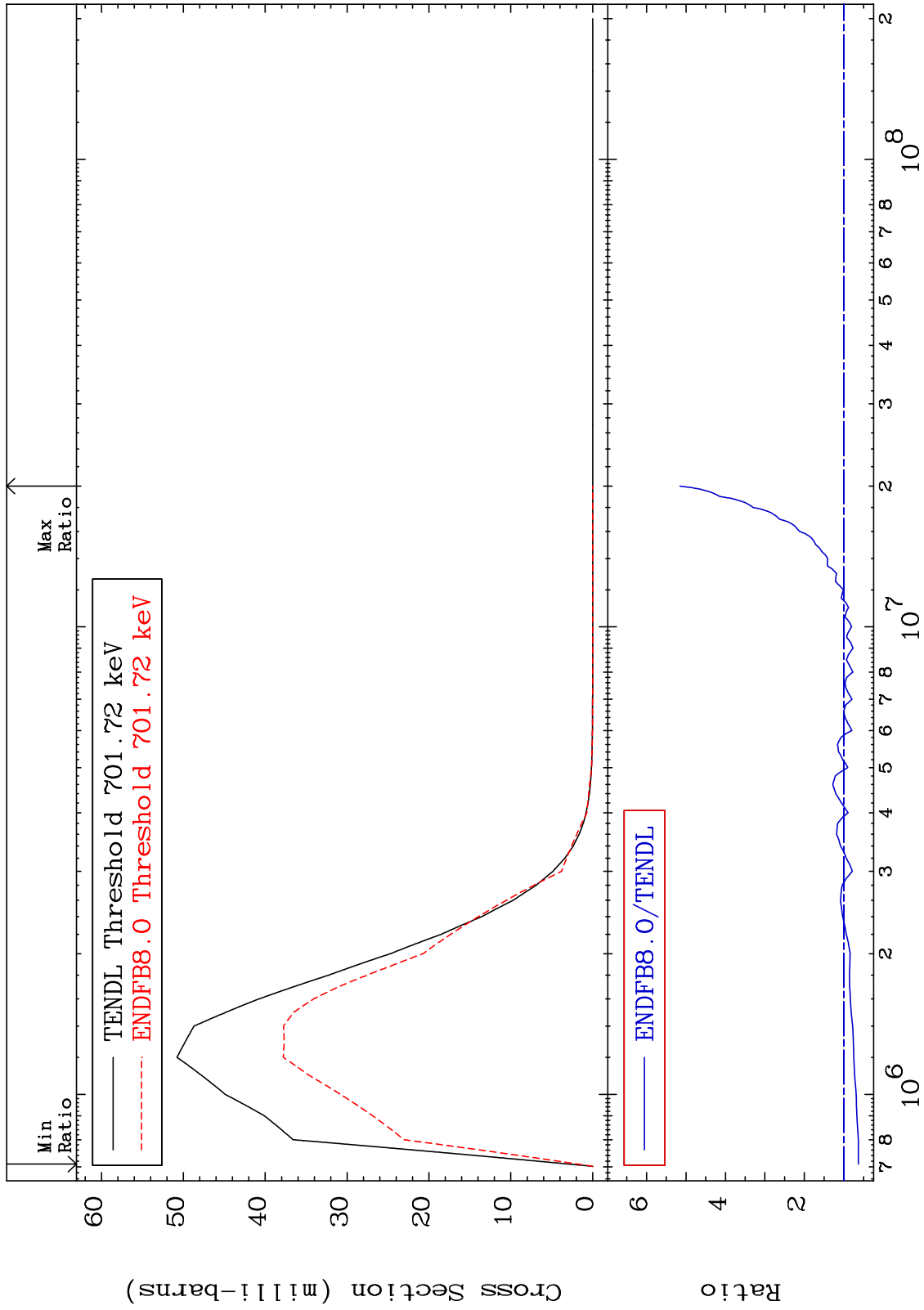
MAT 6240      MT= 60 (n,n') Level      62-Sm-149  
 Cross Section      -80.36 To 189.2 %



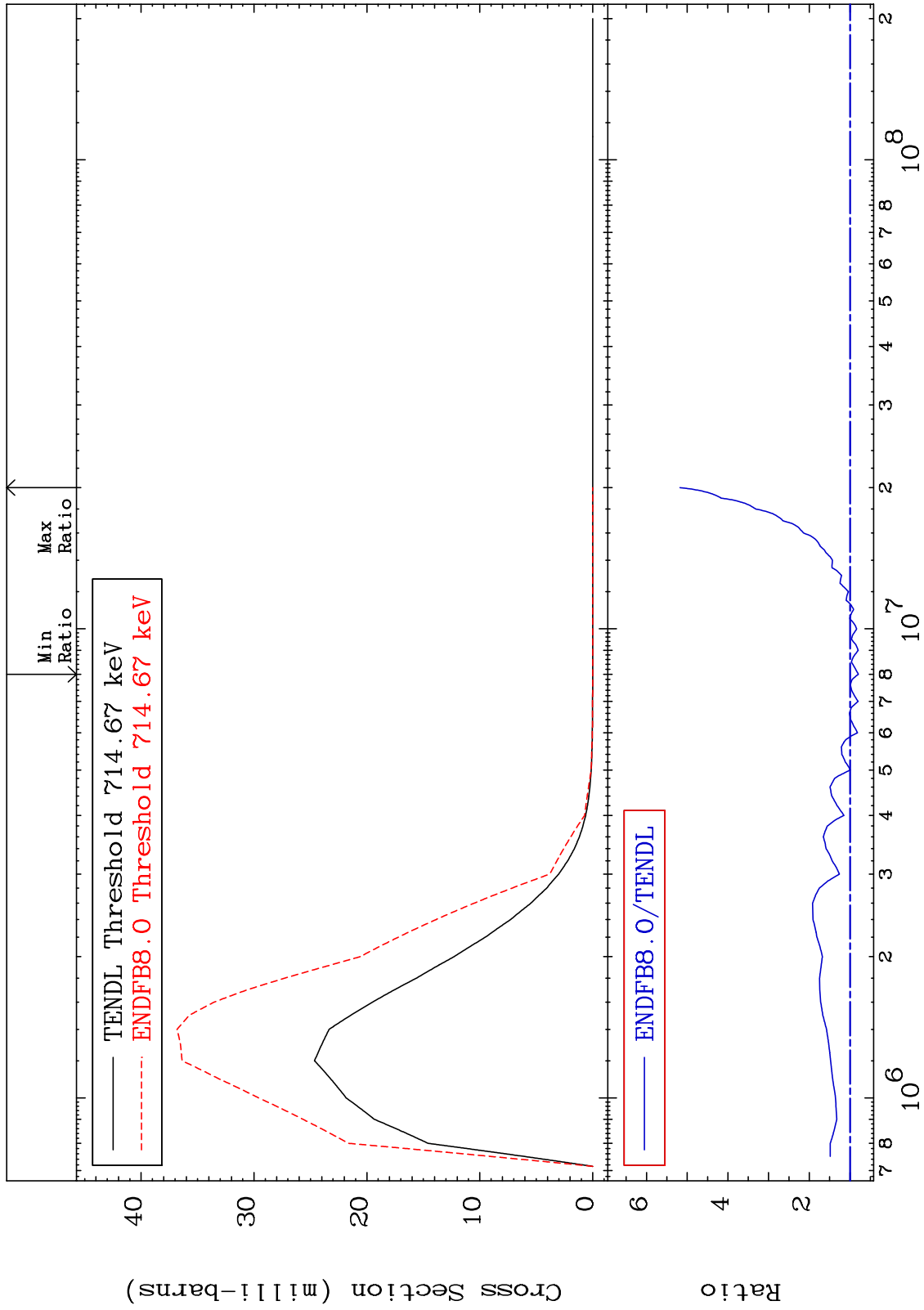
MAT 6240 MT= 61 (n,n') Level Cross Section 62-Sm-149 -50.79 To -20.66%



MAT 6240 MT= 62 (n,n') Level Cross Section 62-Sm-149 -37.06 To 415.1 %

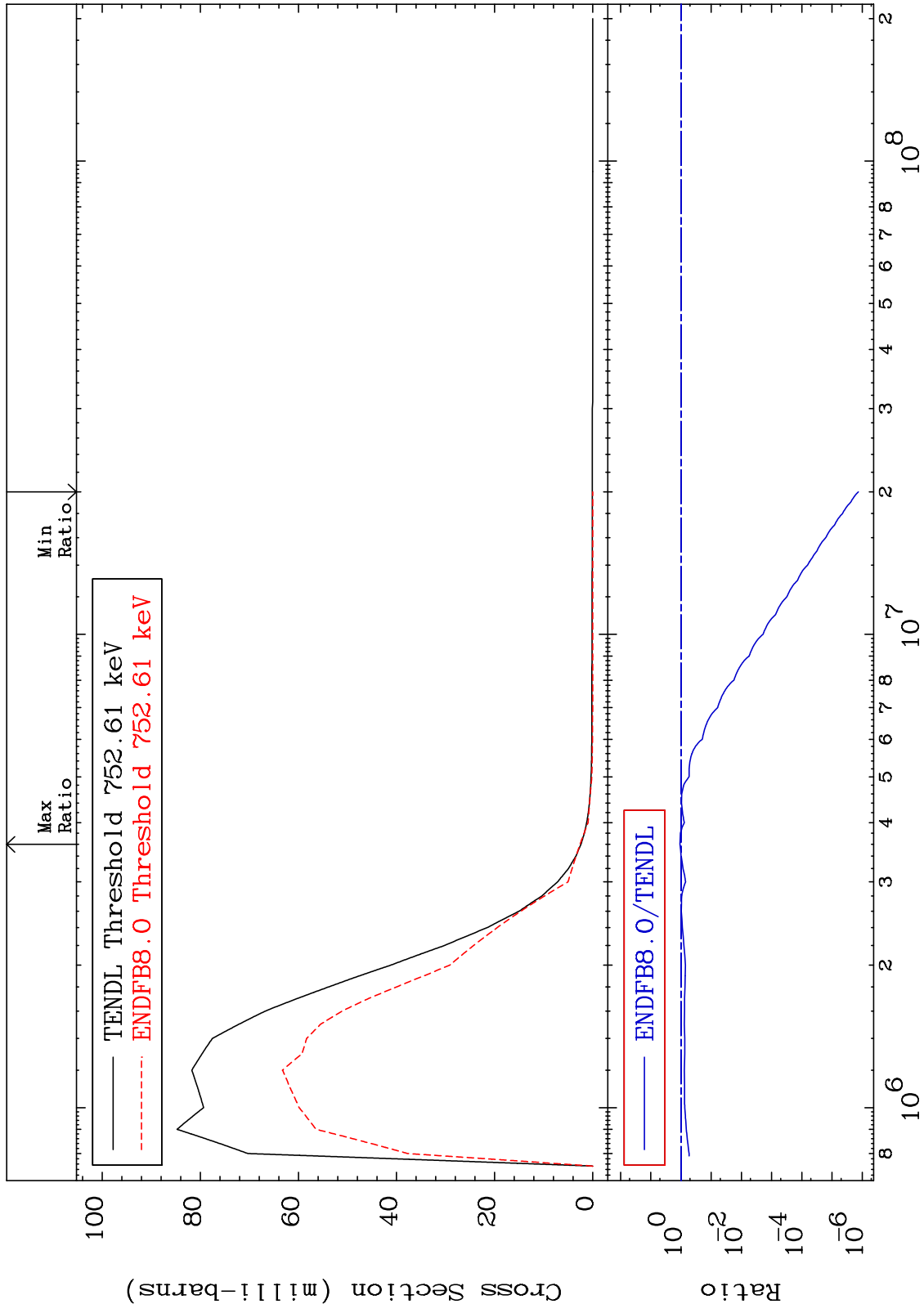


MAT 6240      MT= 63 (n,n') Level      62-Sm-149  
 Cross Section      -20.69 To 417.6 %



22      Incident Energy (eV)      62-Sm-149

MAT 6240 MT= 64 (n,n') Level Cross Section 62-Sm-149  
 -100.0 To 7.549 %

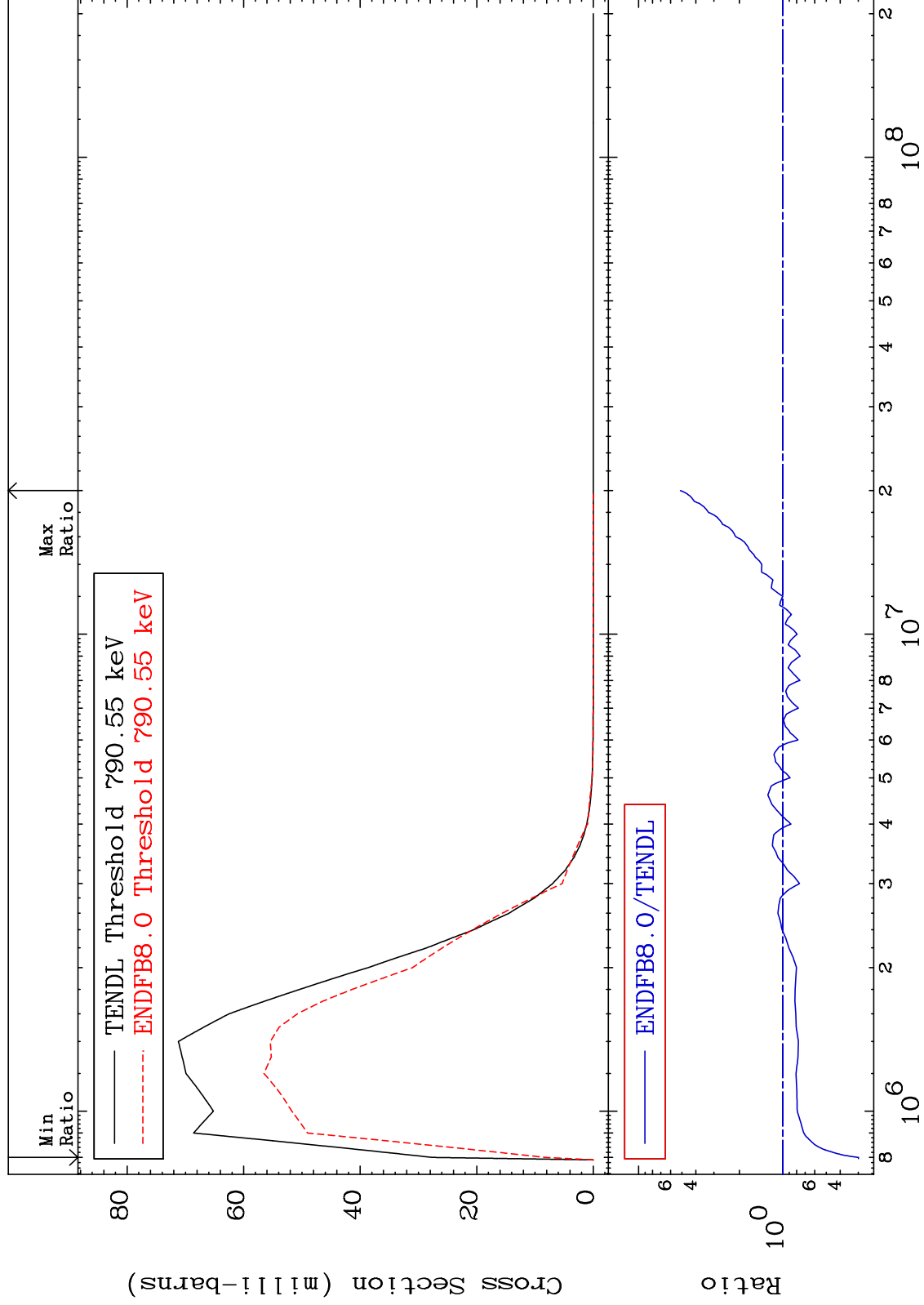




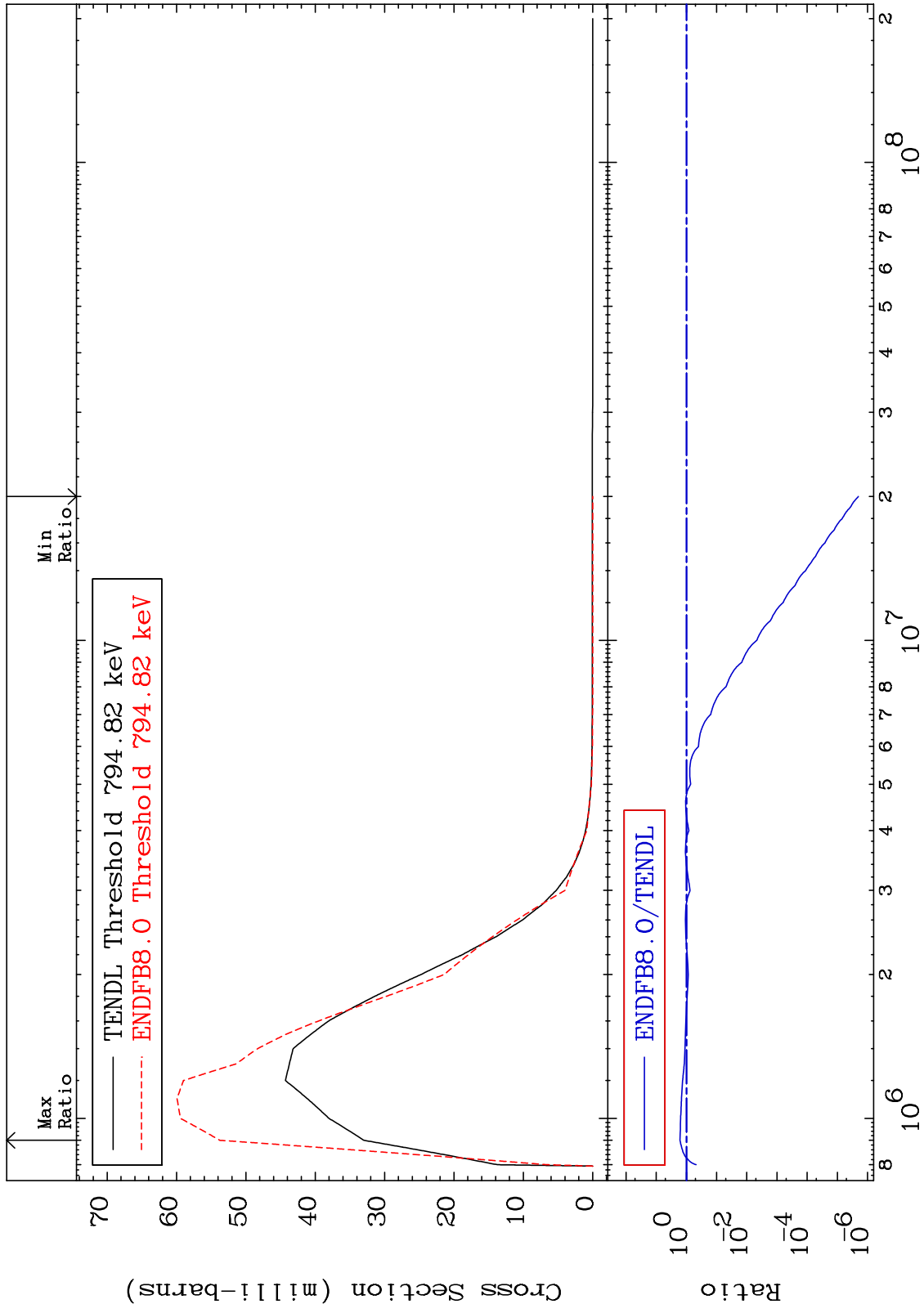
MAT 6240

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

62-Sm-149  
-70.18 To 411.8 %



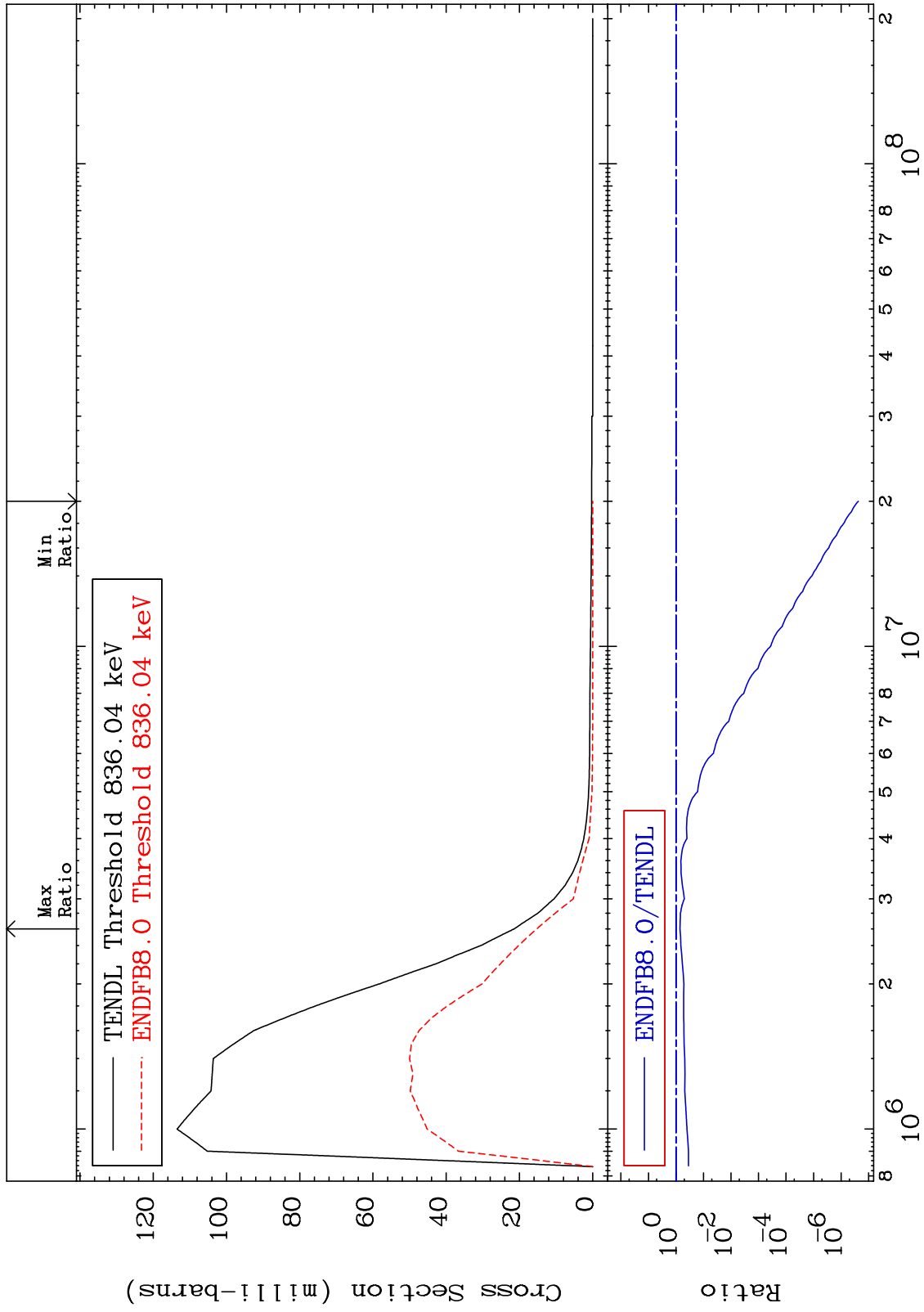
MAT 6240 MT= 66 (n,n') Level Cross Section 62-Sm-149  
-100.0 To 62.91 %



MAT 6240

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

62-Sm-149  
-100.0 To -28.81%

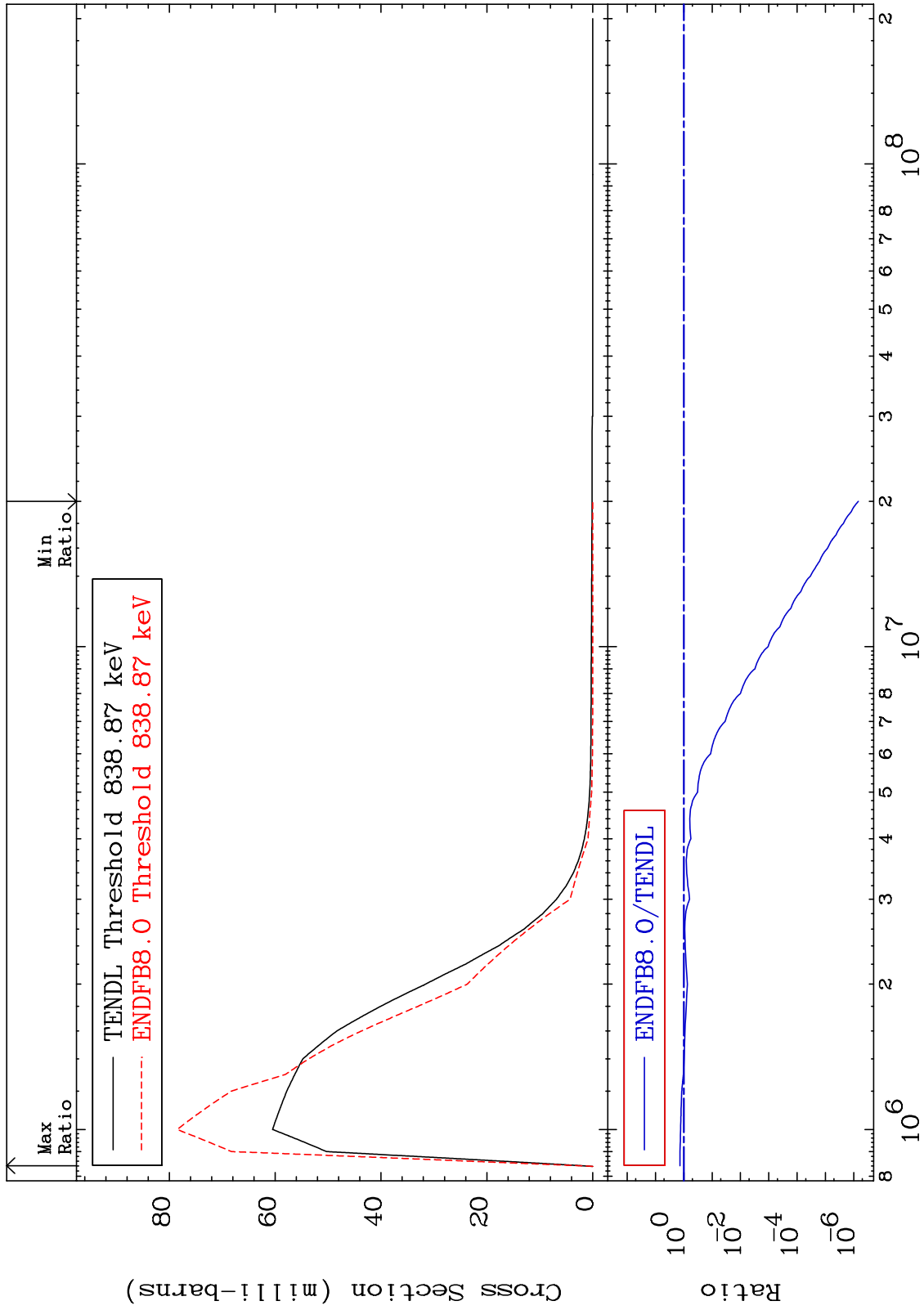


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Incident Energy (eV)

62-Sm-149

MAT 6240 MT= 68 (n,n') Level Cross Section 62-Sm-149  
-100.0 To 35.74 %

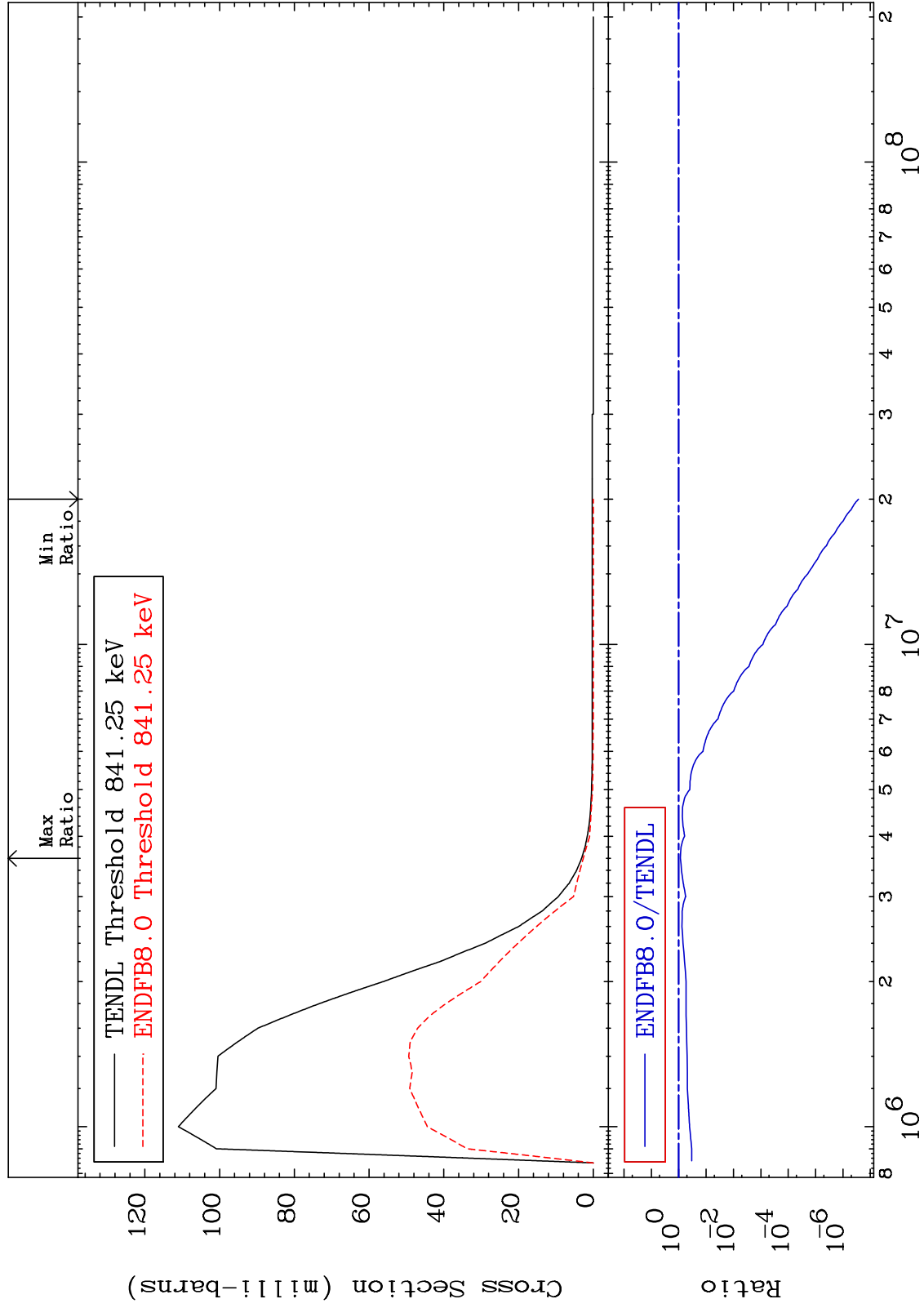


27 62-Sm-149

MAT 6240

MT= 69 (n,n') Level  
Cross Section

62-Sm-149  
-100.0 To -13.57%



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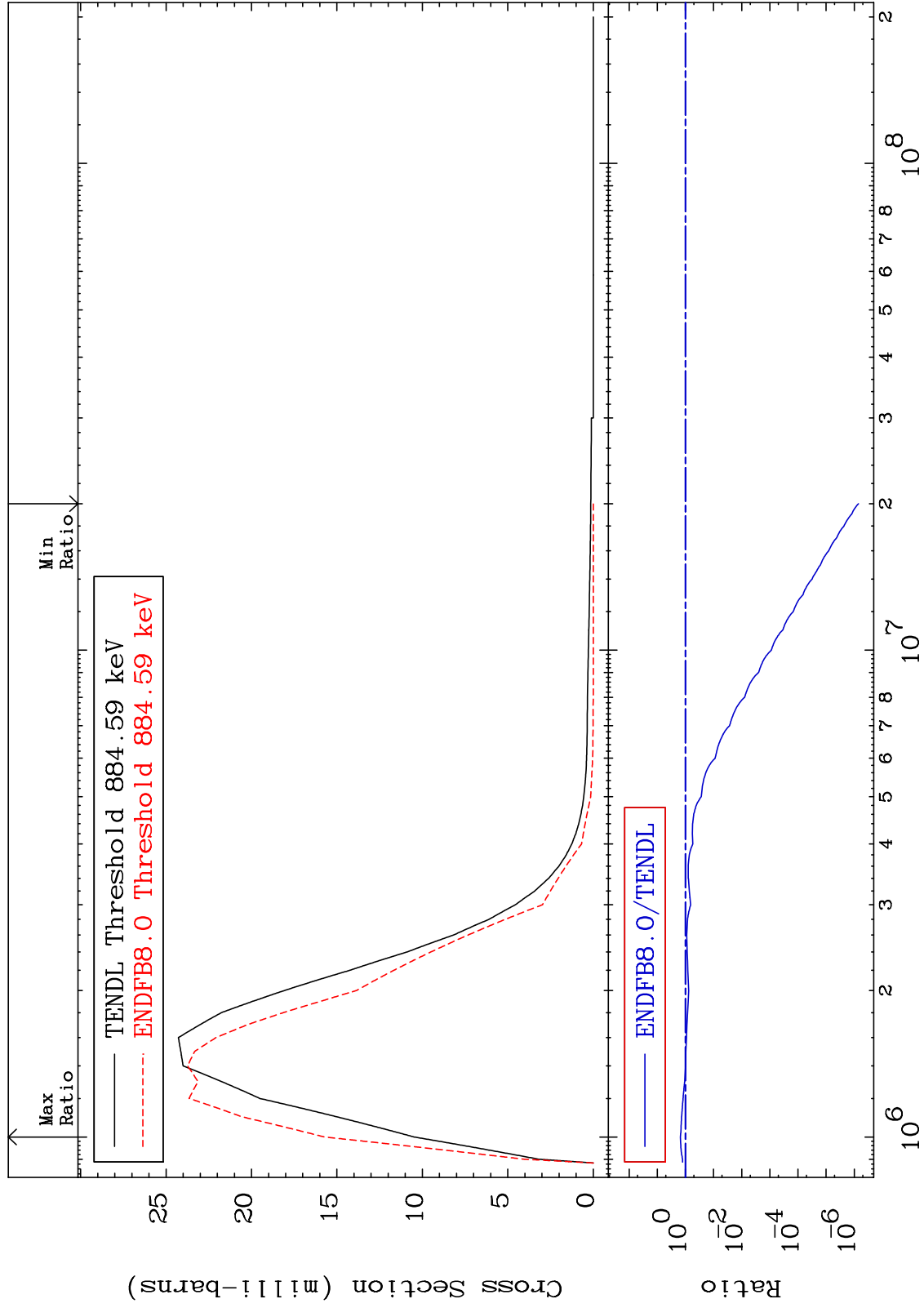
Incident Energy (eV)

62-Sm-149

MAT 6240

MT= 70 (n,n') Level  
Cross Section

62-Sm-149  
-100.0 To 50.06 %



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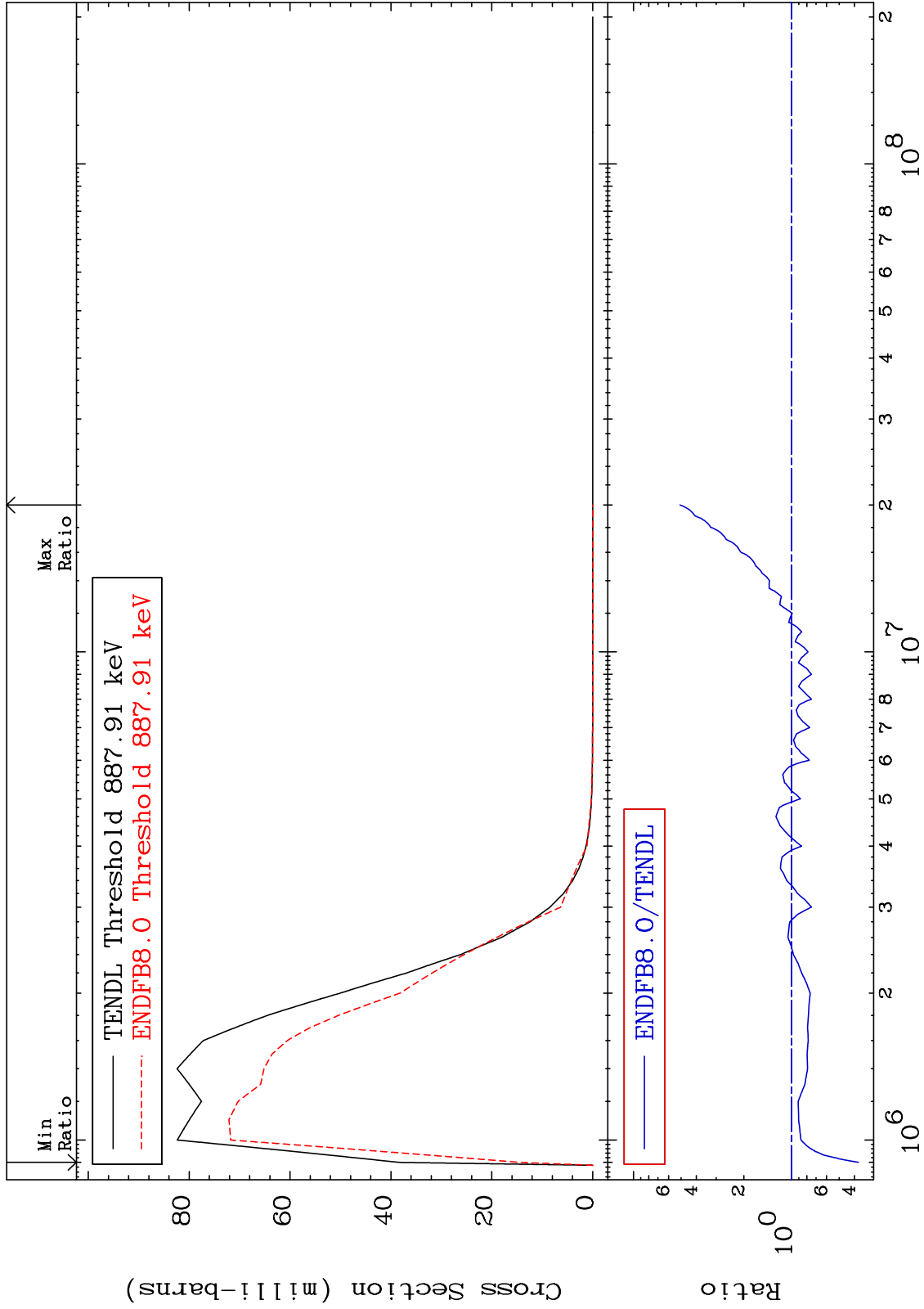
Incident Energy (eV)

62-Sm-149

MAT 6240

MT= 71 (n,n') Level  
Cross Section

62-Sm-149  
-62.28 To 407.6 %



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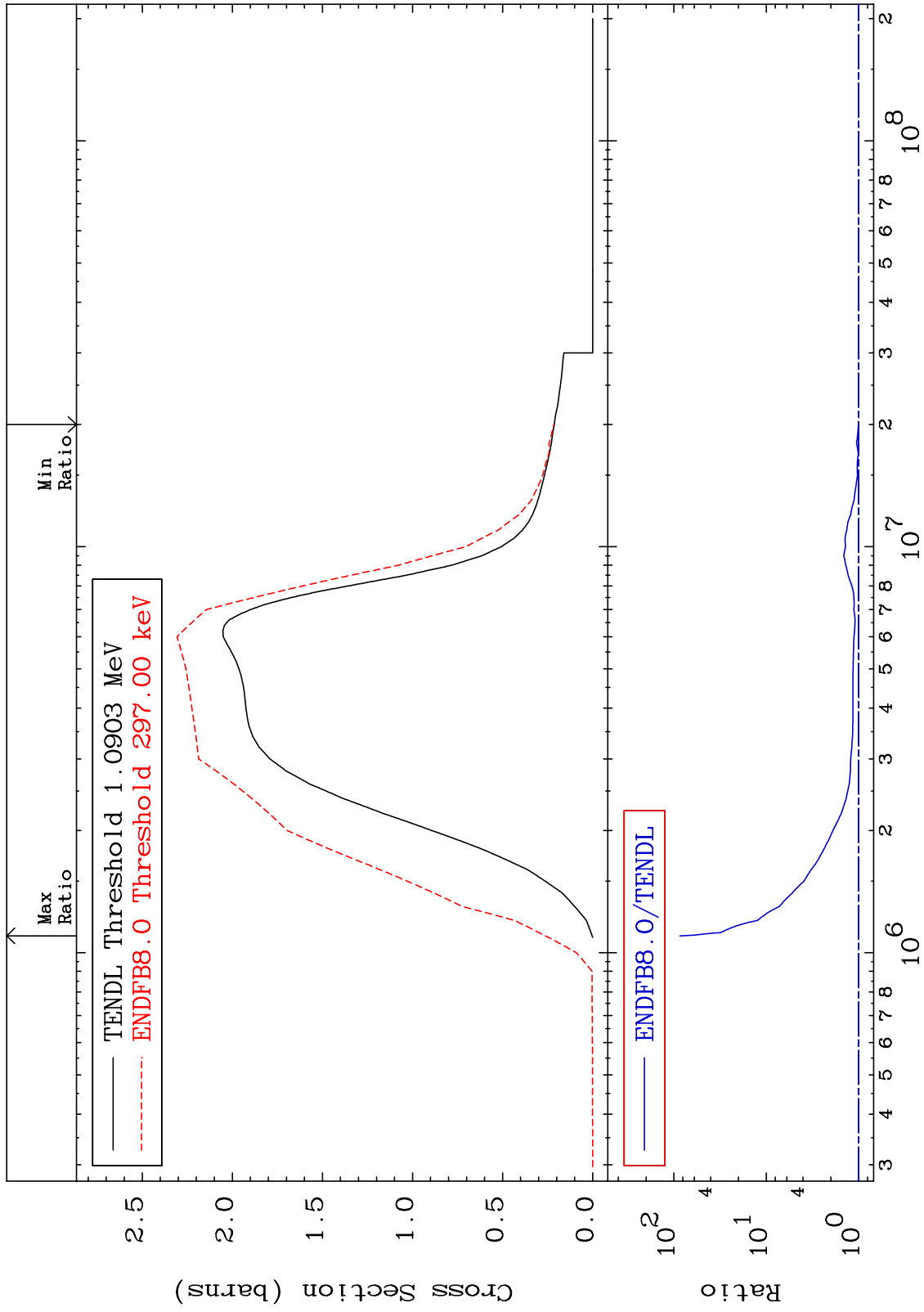
62-Sm-149

62-Sm-149

MAT 6240

(n, n') Continuum  
Cross Section

62-Sm-149  
0.668 To 8489. %

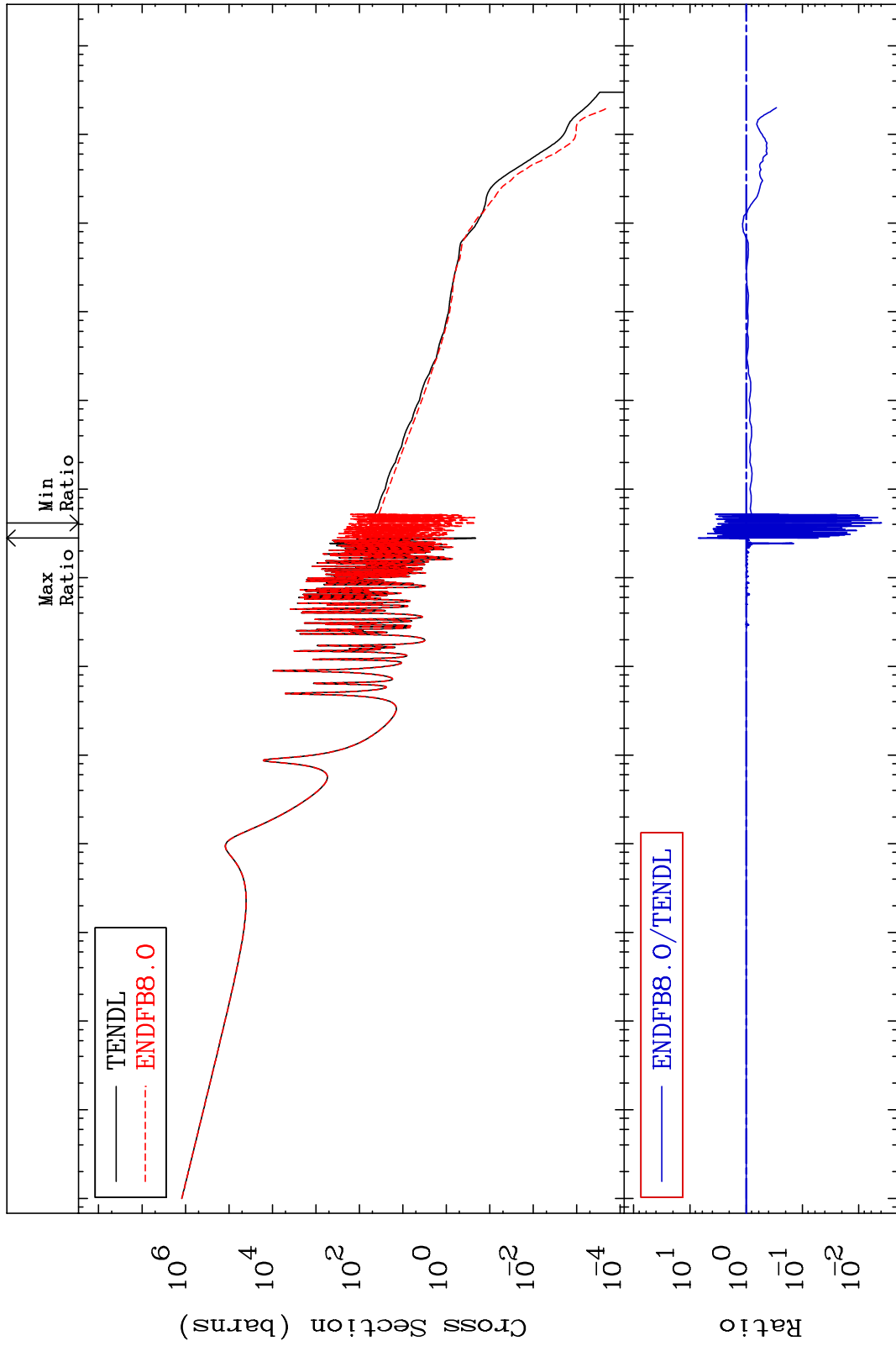




MAT 6240

(n,  $\gamma$ )  
Cross Section

62-Sm-149  
-99.61 To 608.4 %



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Incident Energy (eV)

62-Sm-149

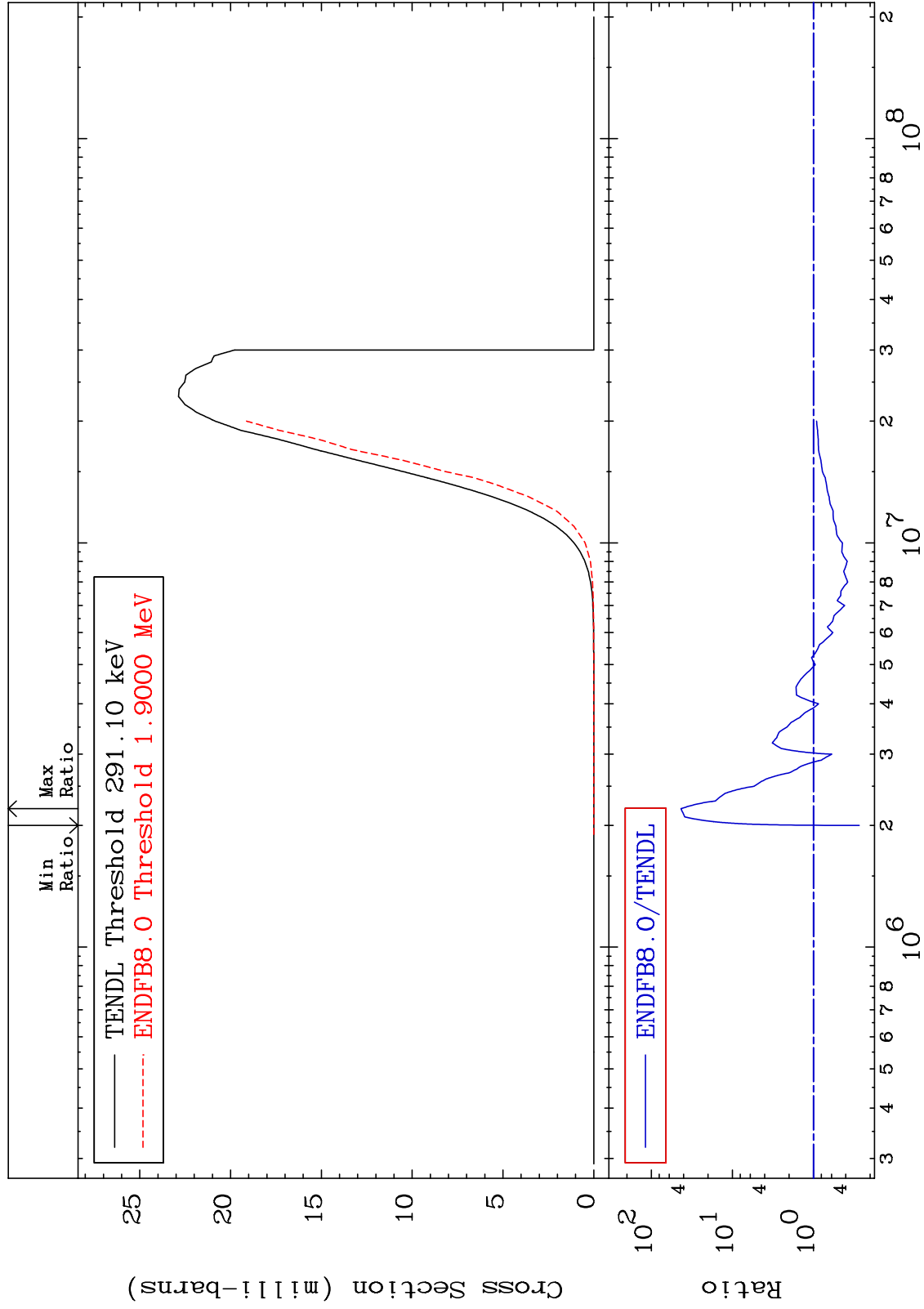
MAT 6240

(n,p)

62-Sm-149

Cross Section

-72.73 To 4194. %



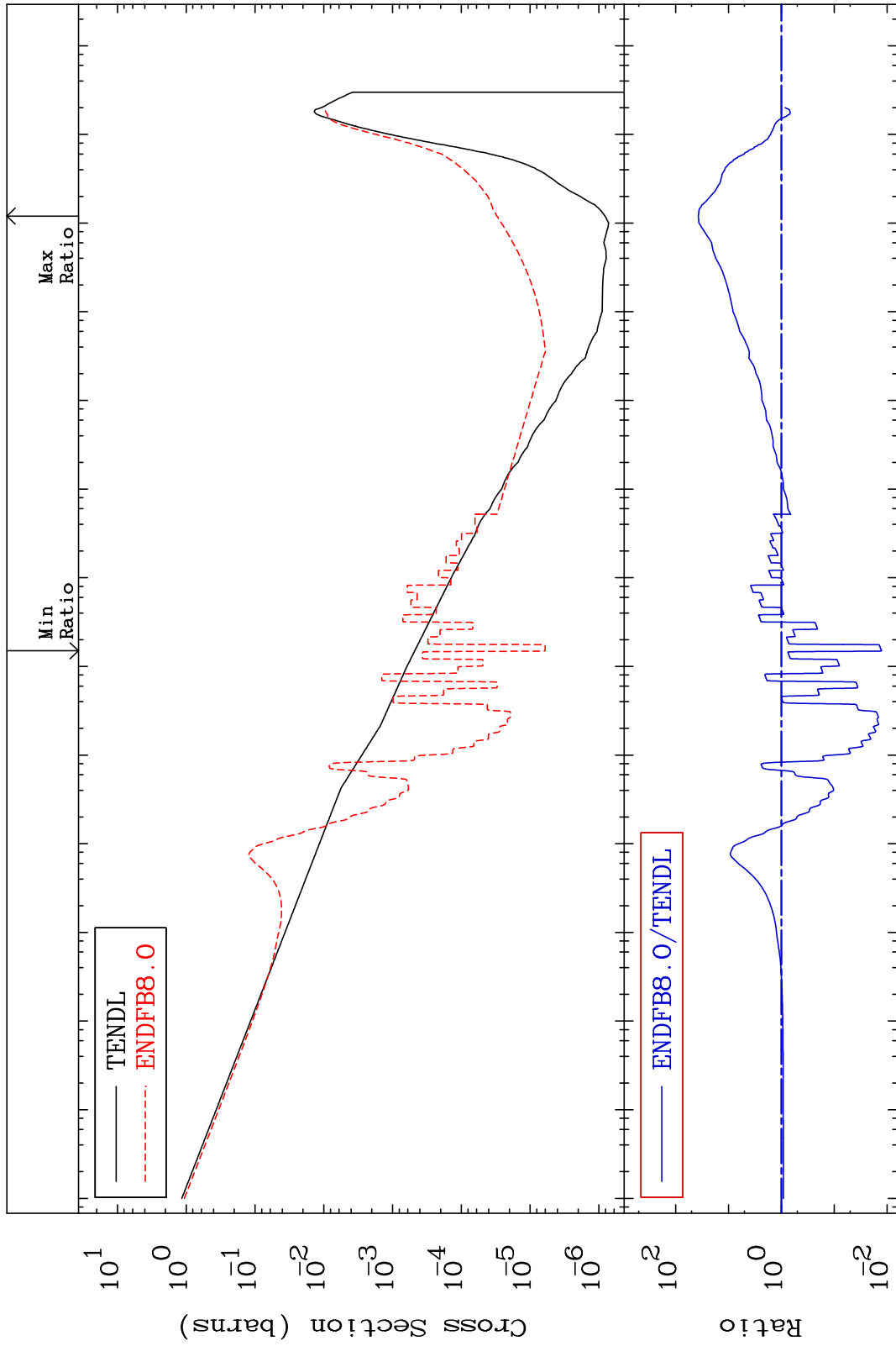
MAT 6240

(n,  $\alpha$ )

62-Sm-149

Cross Section

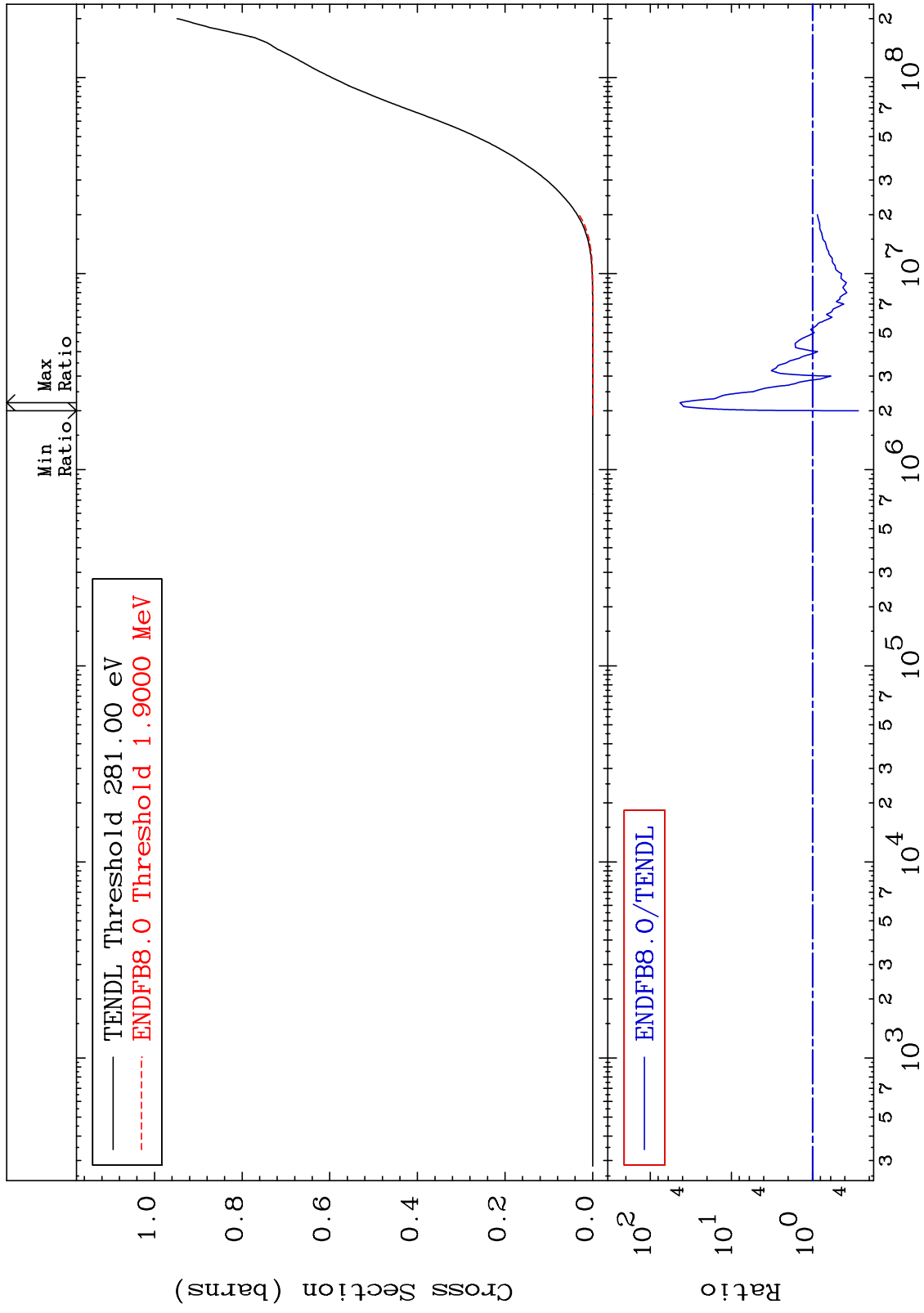
-98.73 To 3620. %



MAT 6240

Hydrogen Production  
Cross Section

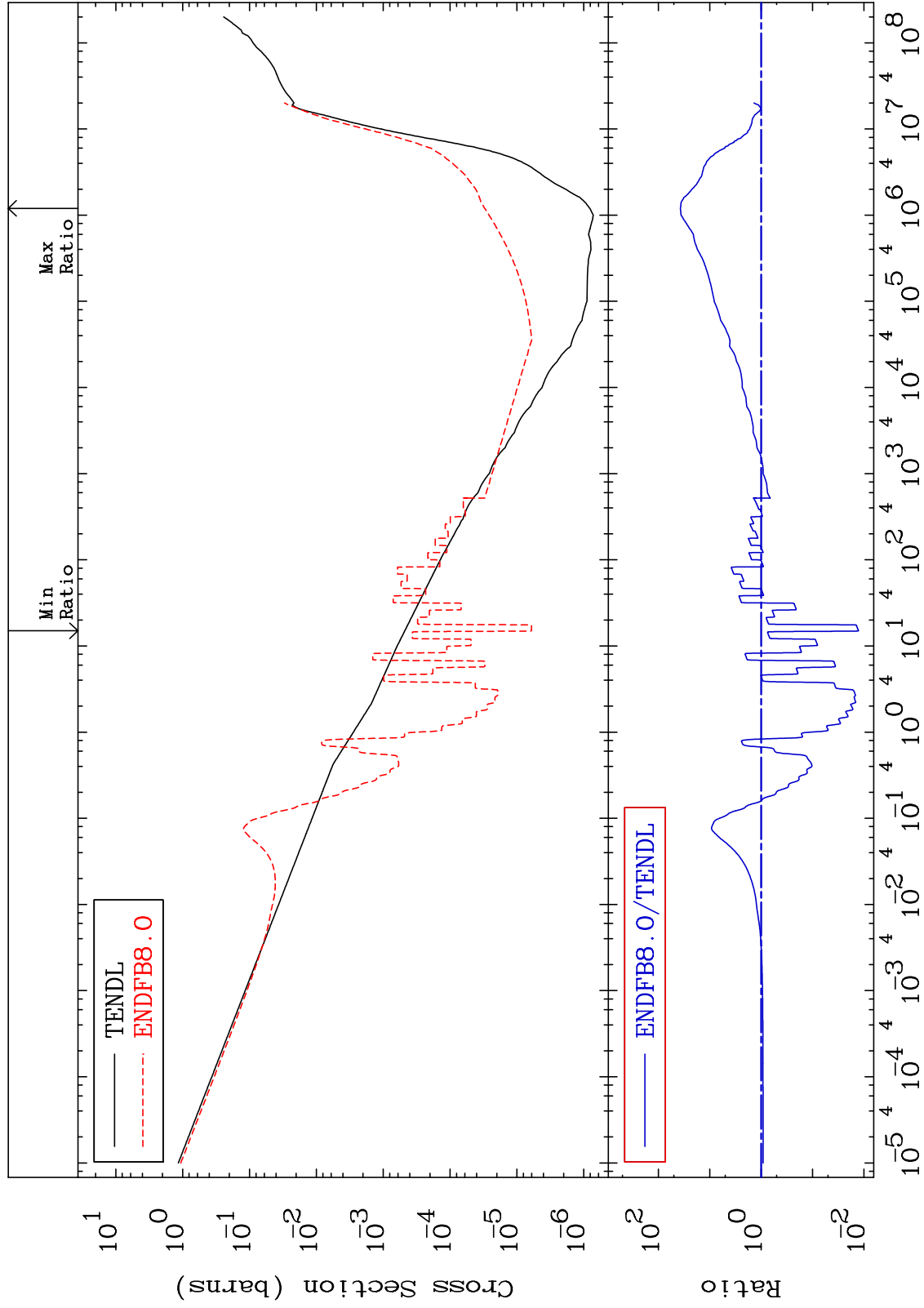
62-Sm-149  
-72.73 To 4194. %

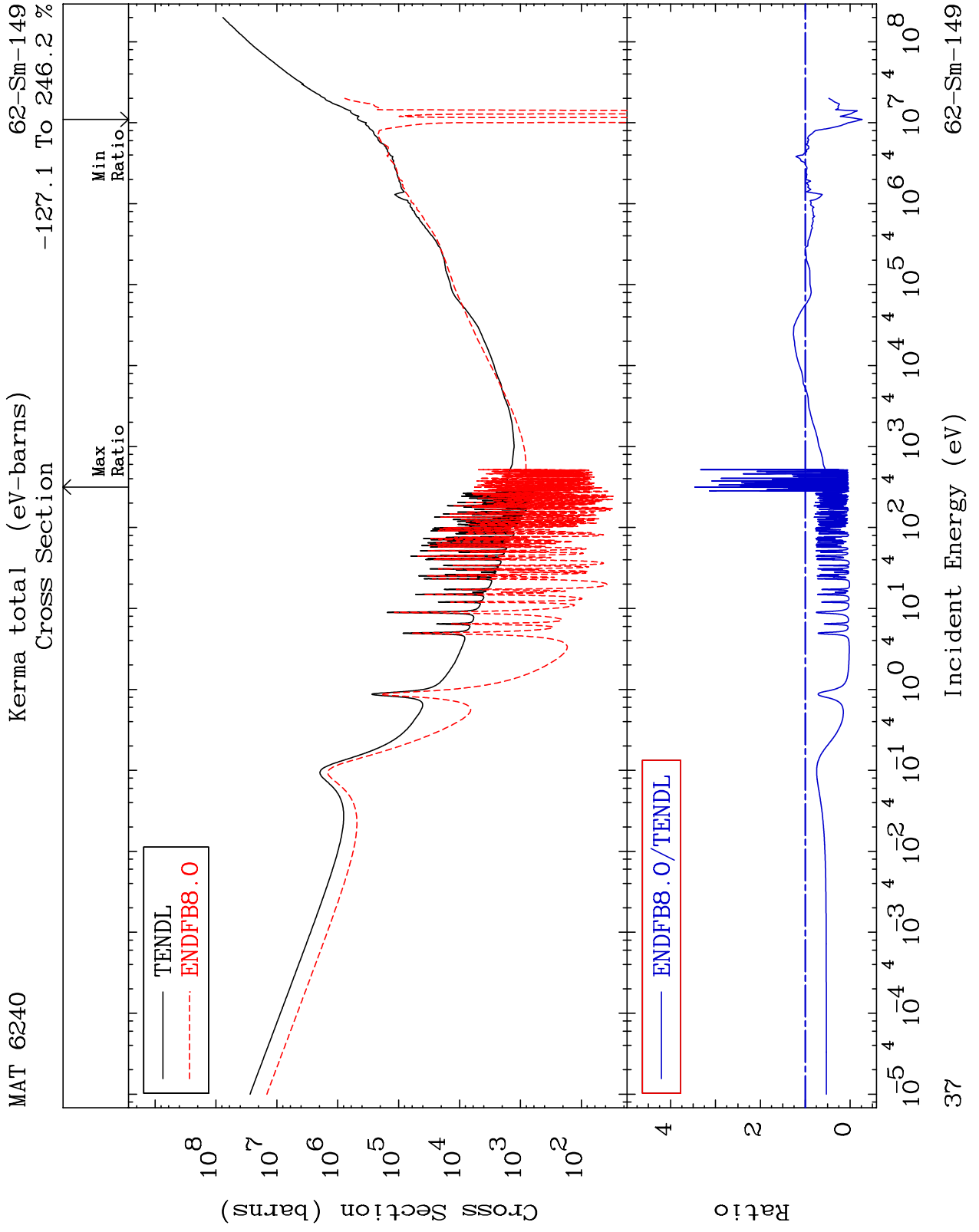


MAT 6240

He-4 Production  
Cross Section

62-Sm-149  
-98.73 To 3620. %

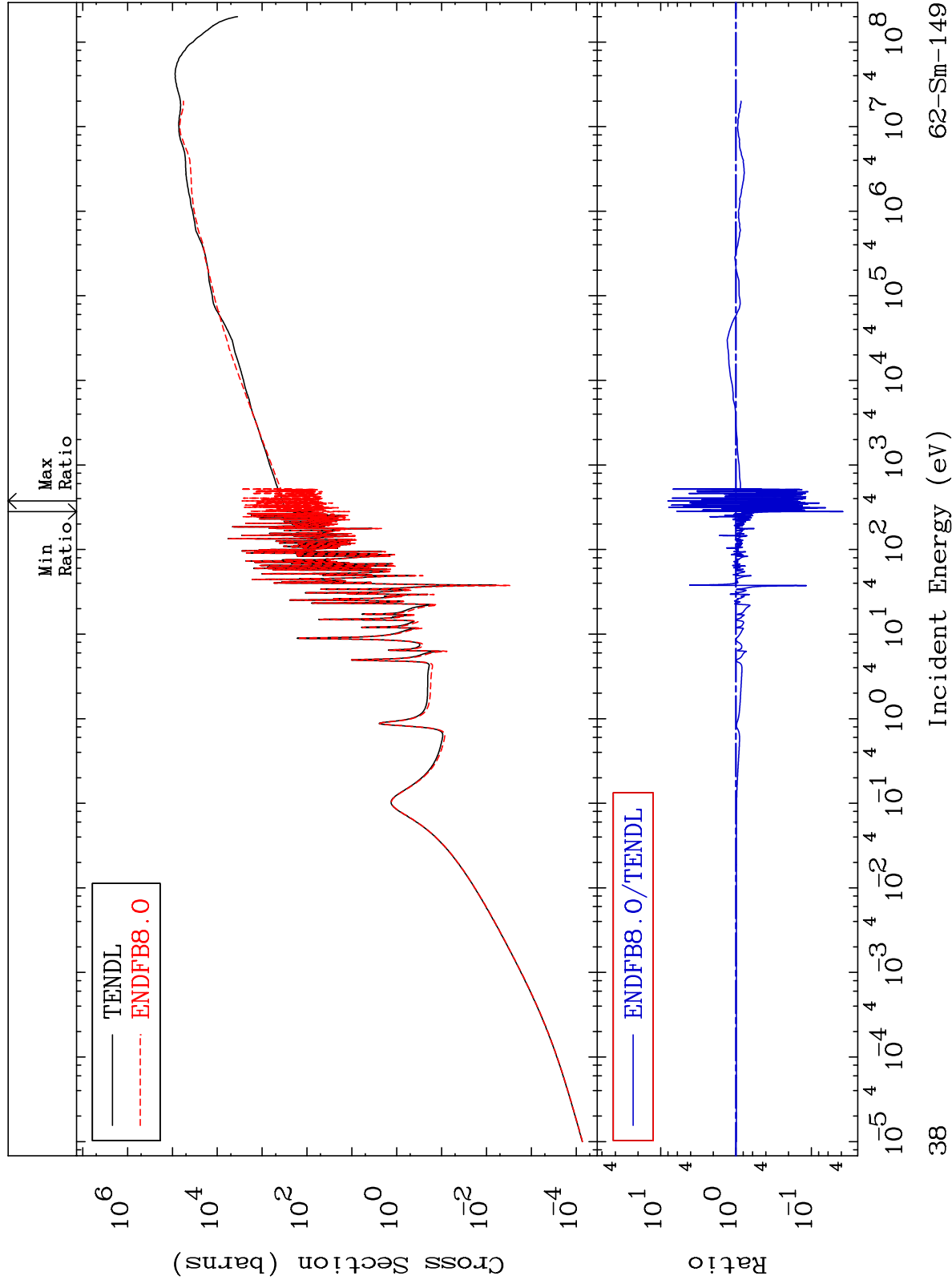




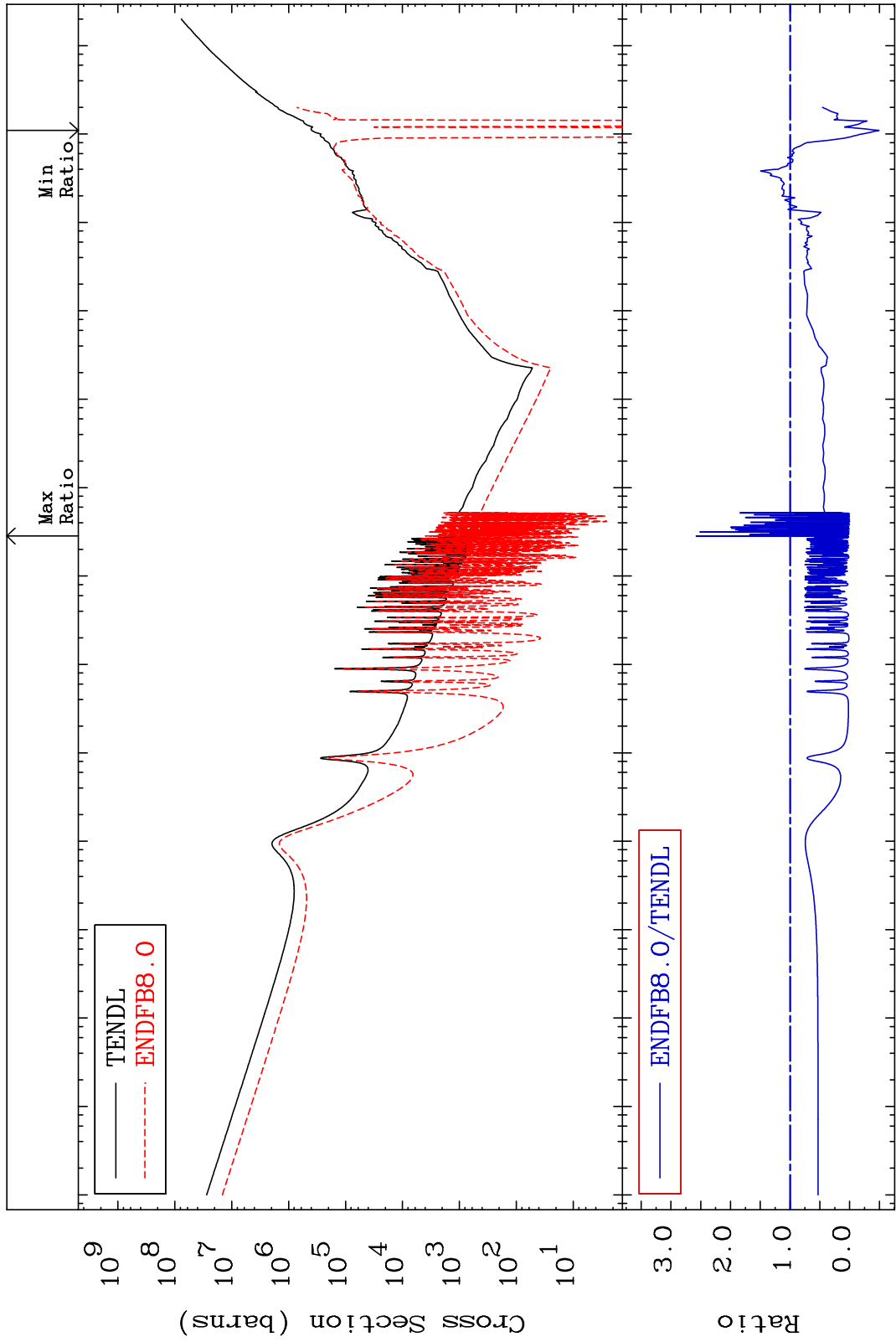
MAT 6240

Kerma elastic  
Cross Section

62-Sm-149  
-96.19 To 697.6 %



MAT 6240      Kerma non-elastic (all but mt2)  
62-Sm-149  
-149.5 To 157.2 %  
Cross Section

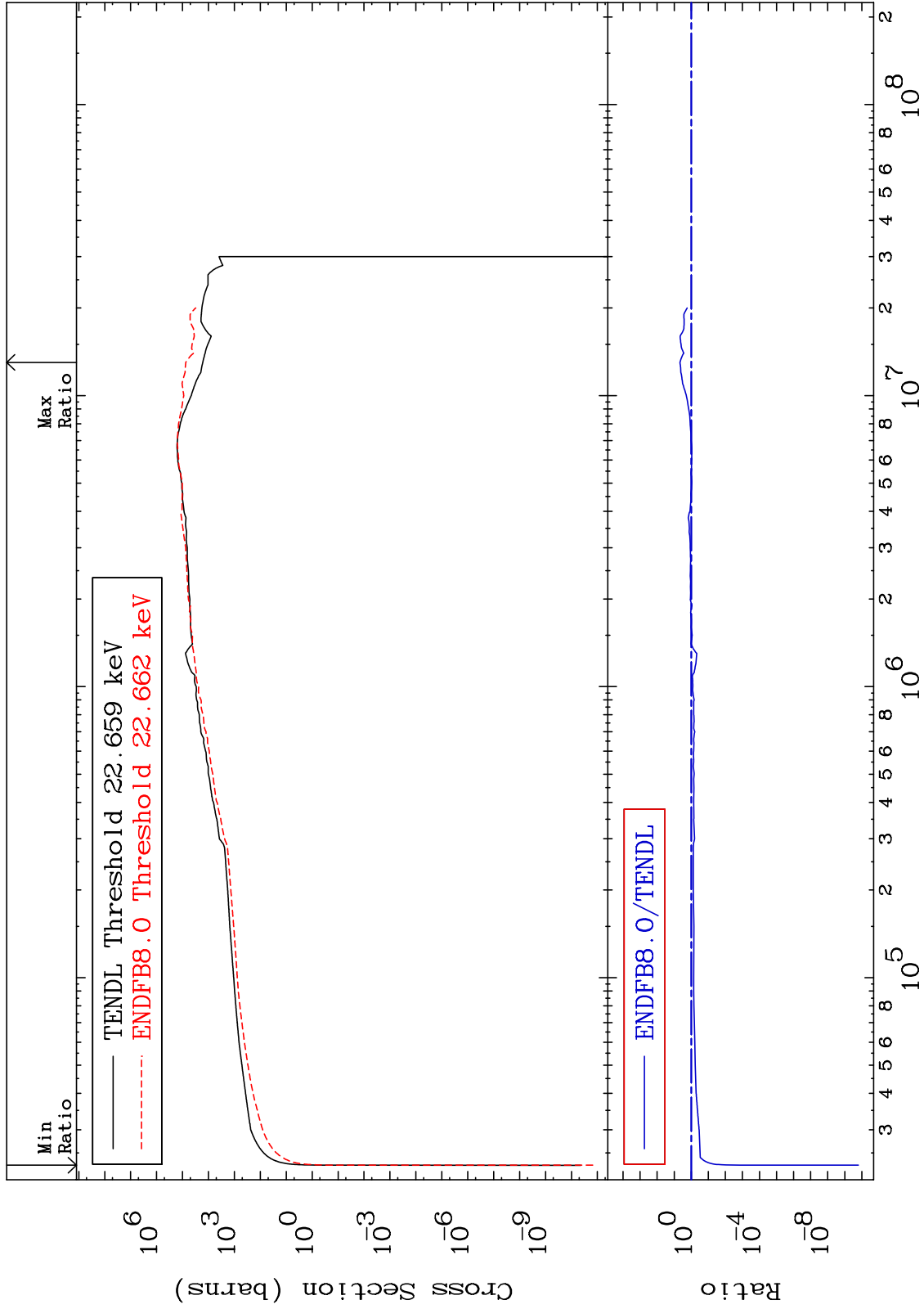




MAT 6240

Kerma inelastic (mt51-91)  
Cross Section

62-Sm-149  
-100.0 To 355.9 %



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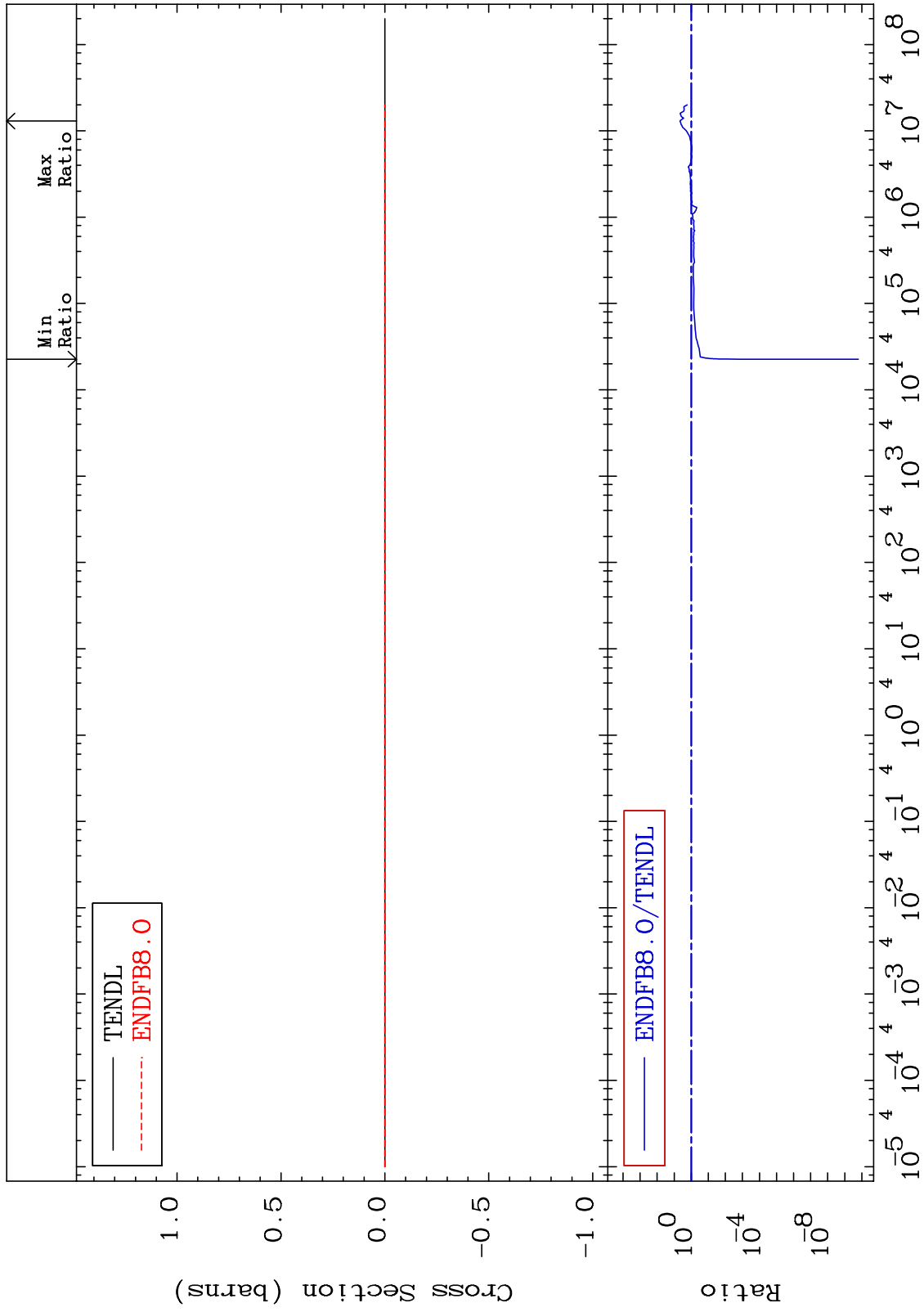
Incident Energy (eV)

62-Sm-149

MAT 6240

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

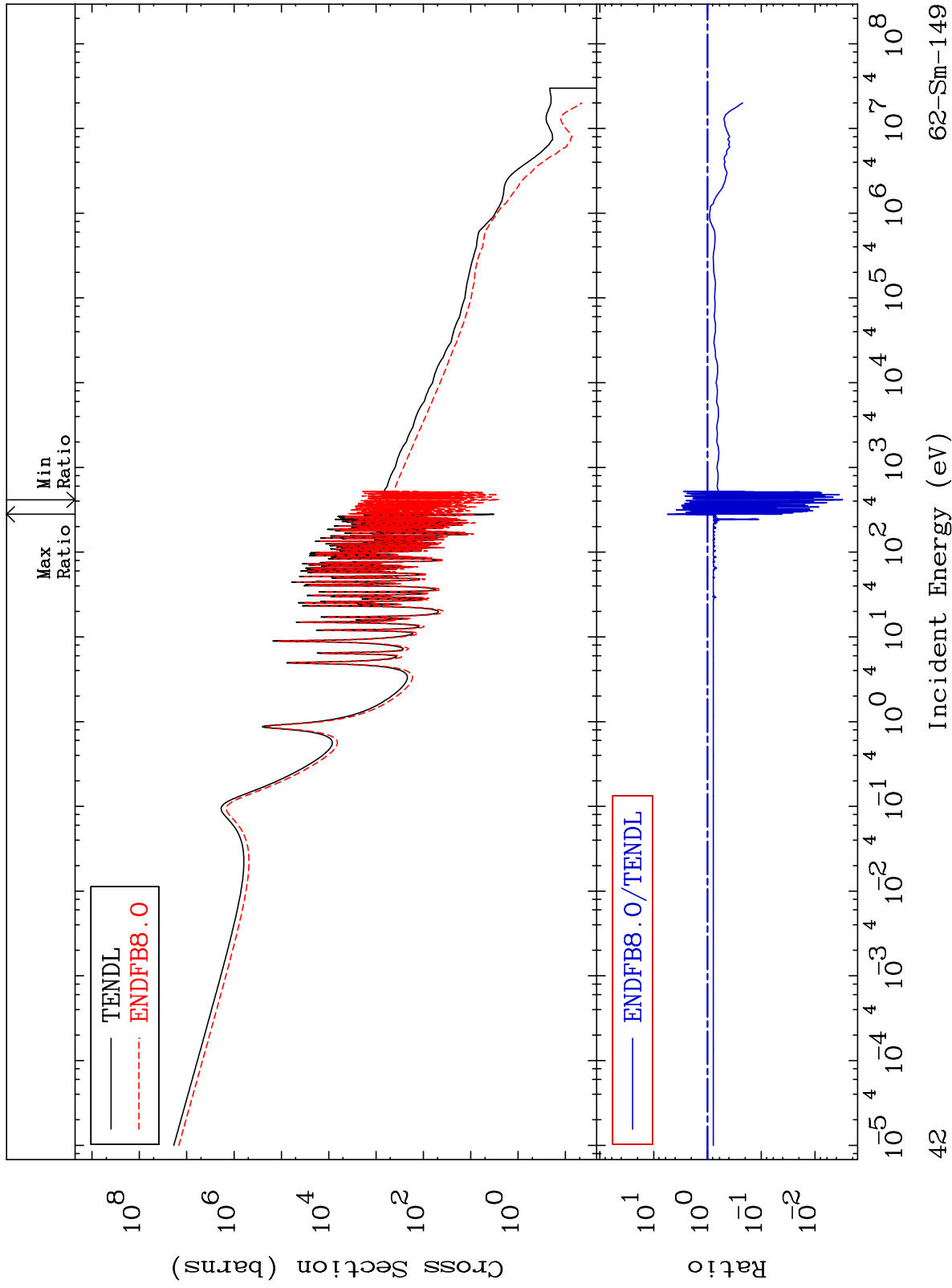
62-Sm-149  
-100.0 To 355.9 %



MAT 6240

Kerma capture (mt102)  
Cross Section

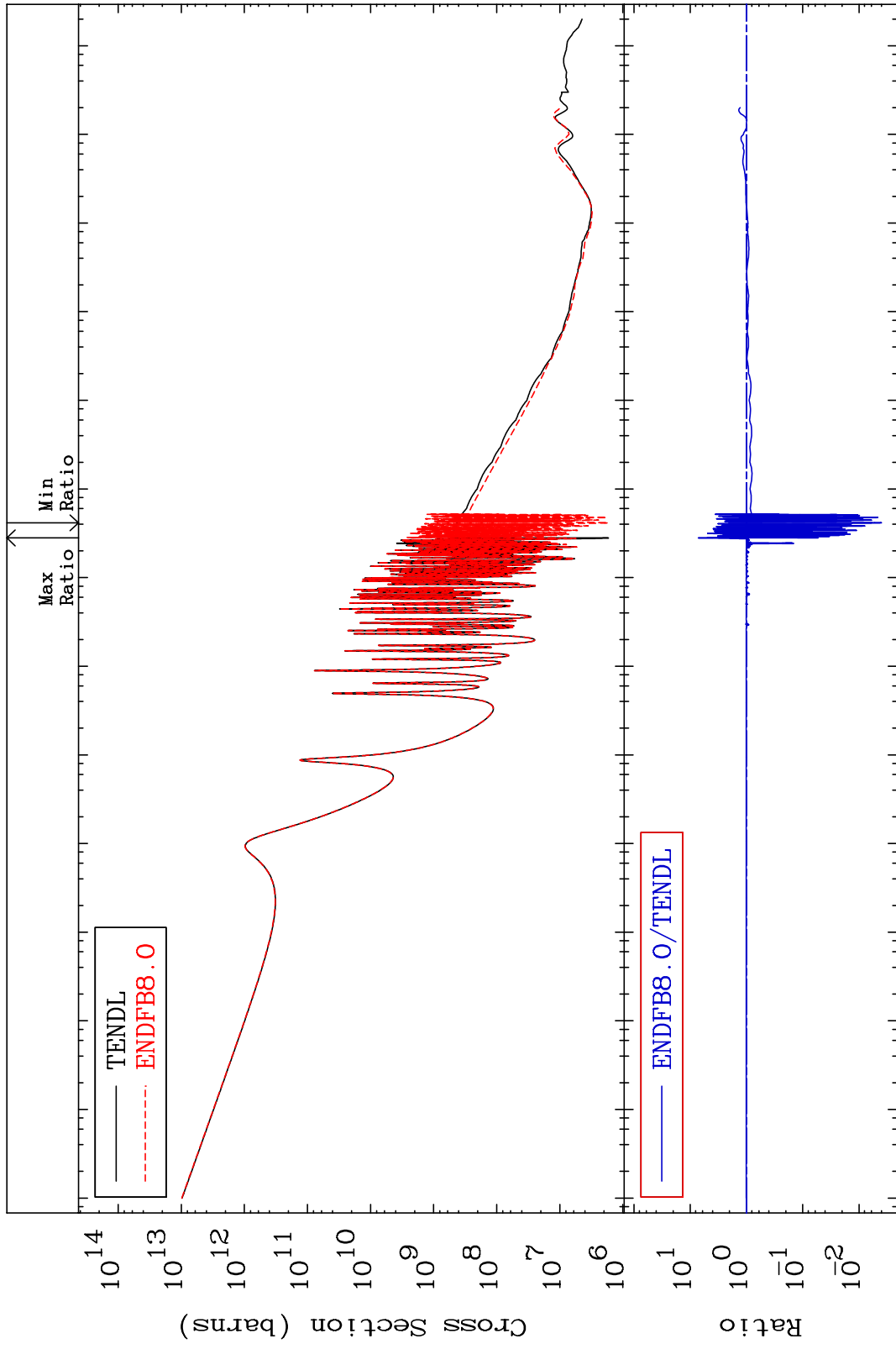
62-Sm-149  
-99.69 To 452.9 %



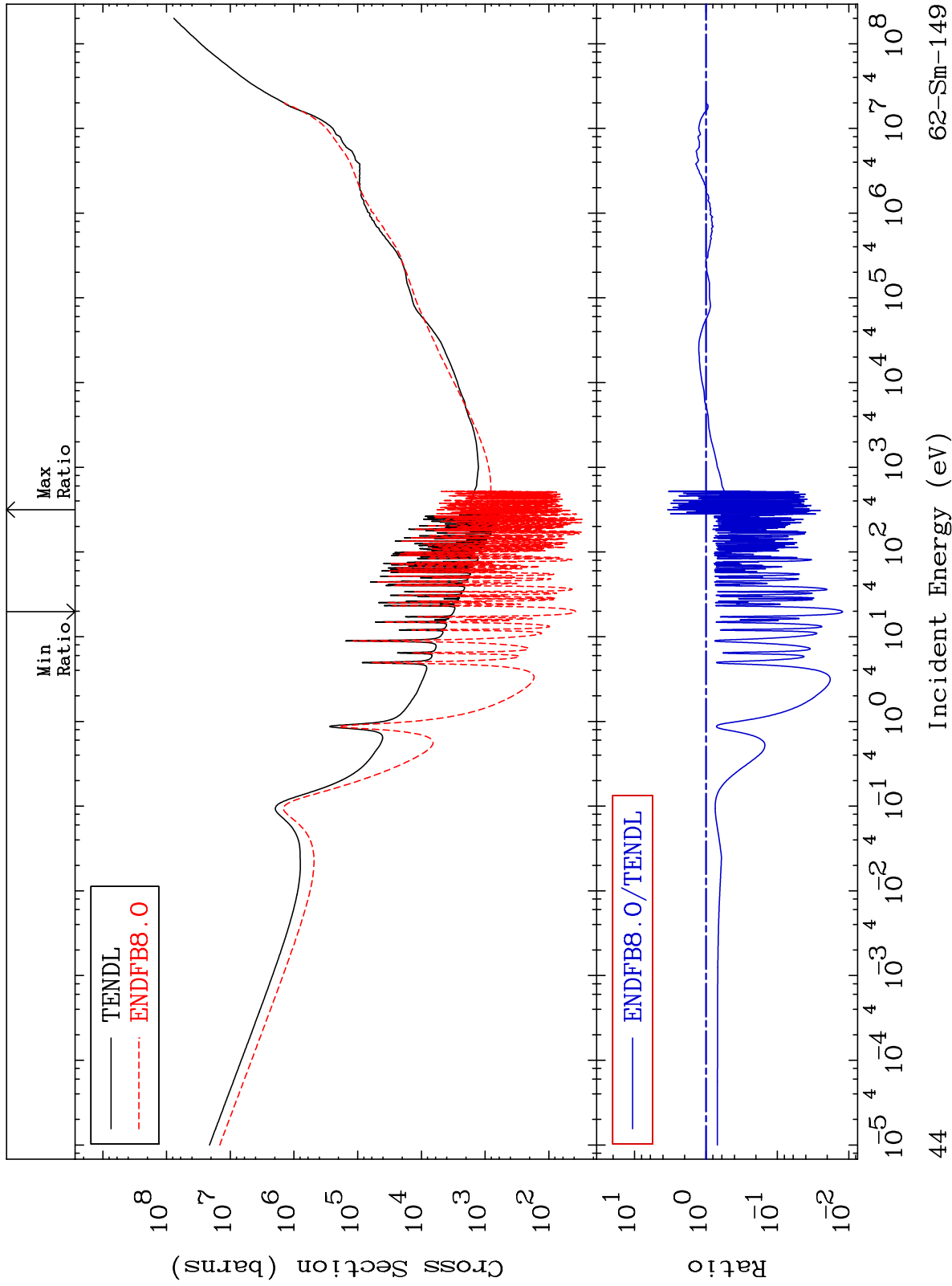
MAT 6240

Total photon (eV-barns)  
Cross Section

62-Sm-149  
-99.60 To 615.3 %



MAT 6240 Total kinematic kerma (high limit) 62-Sm-149  
 Cross Section -98.78 To 245.6 %



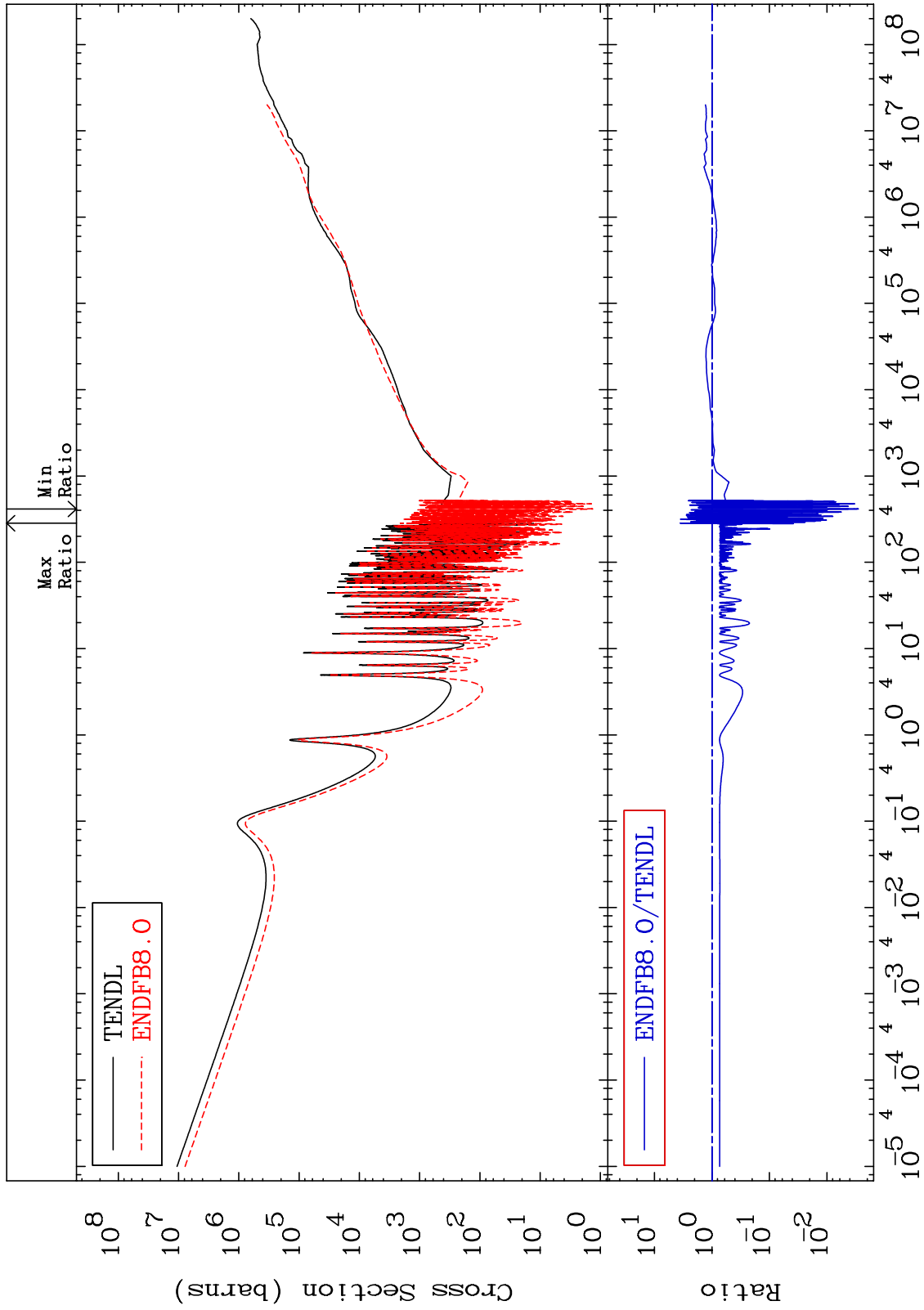
62-Sm-149

Incident Energy (eV)

MAT 6240

Dpa total (eV-barns)  
Cross Section

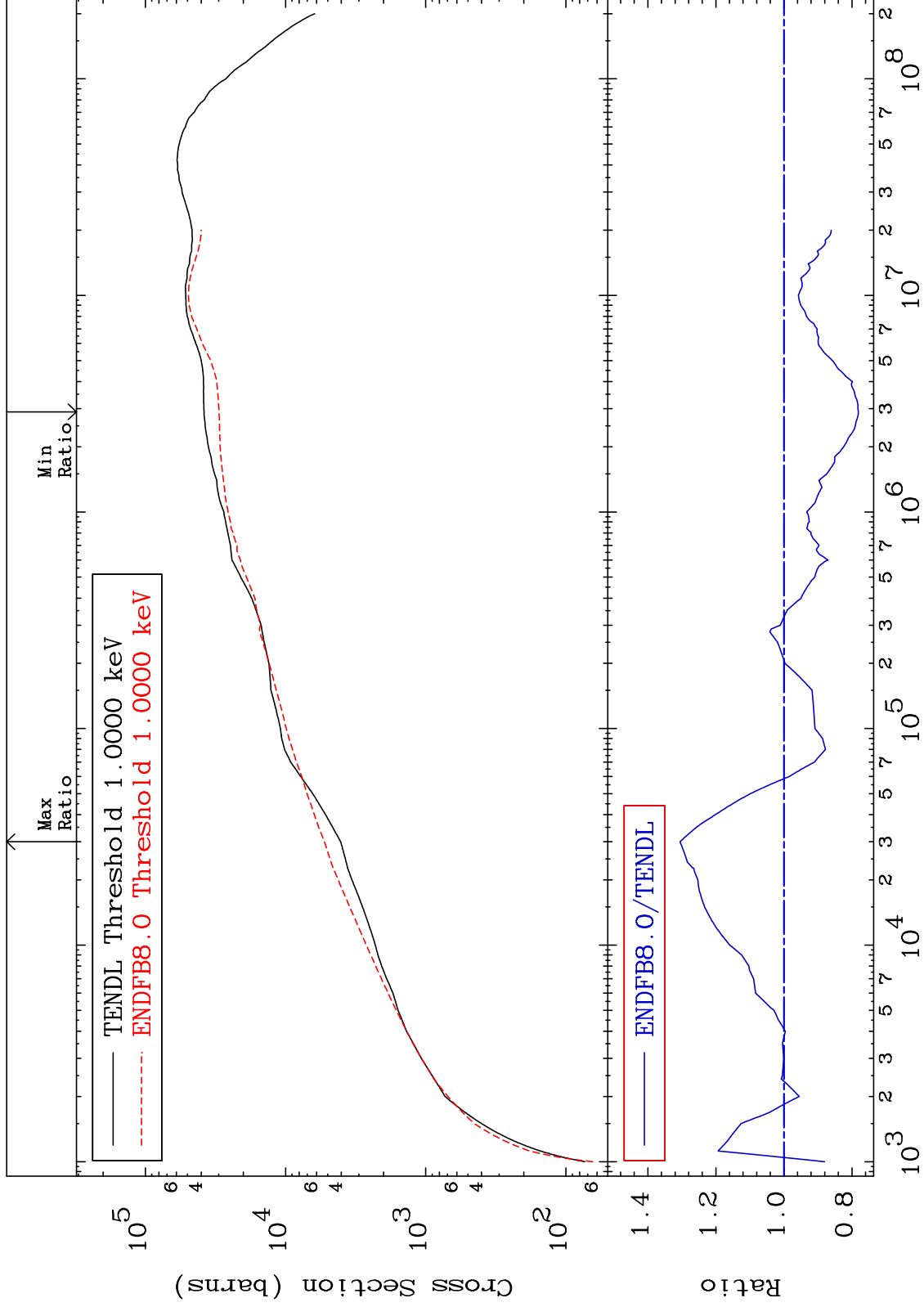
62-Sm-149  
-99.72 To 258.3 %



MAT 6240

Dpa elastic (mt2)  
Cross Section

62-Sm-149  
-21.90 To 30.54 %



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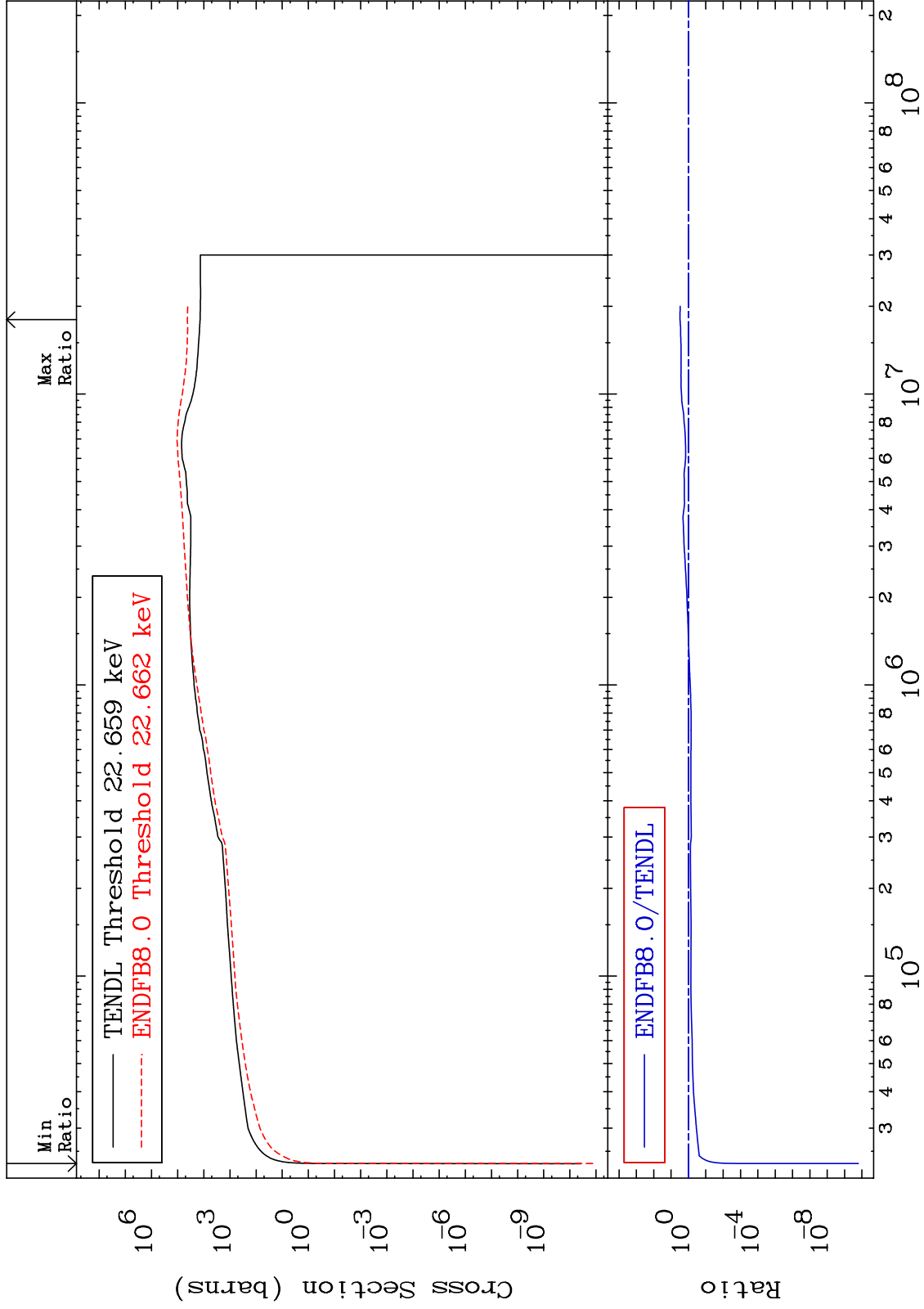
Incident Energy (eV)

62-Sm-149

MAT 6240

Dpa inelastic (mt51-91)  
Cross Section

62-Sm-149  
-100.0 To 205.7 %

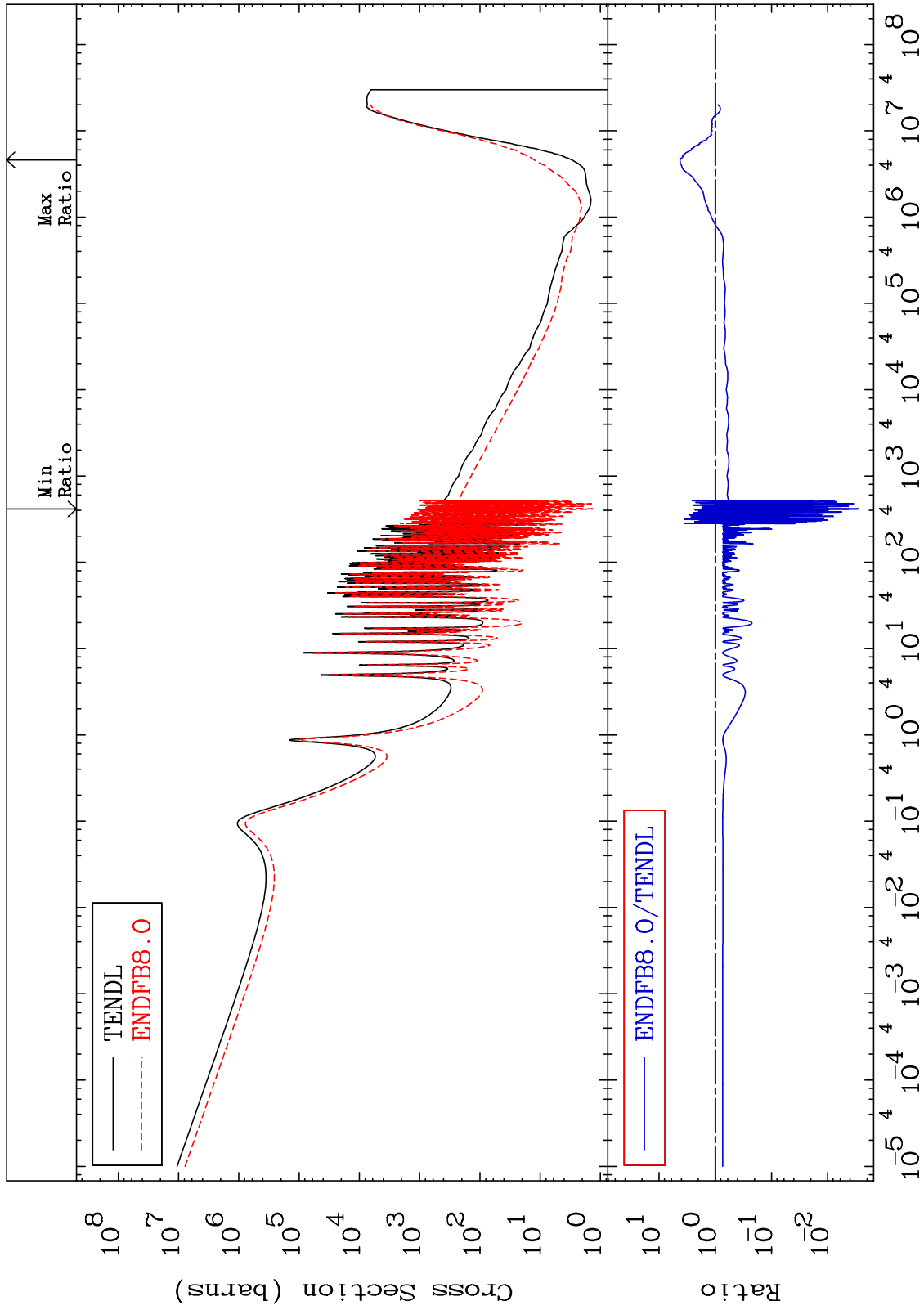




MAT 6240

Dpa disappearance (mt102 -120)  
Cross Section

62-Sm-149  
-99.72 To 323.3 %



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Incident Energy (eV)

62-Sm-149