

Program Complot
(Version 2018-1)

by

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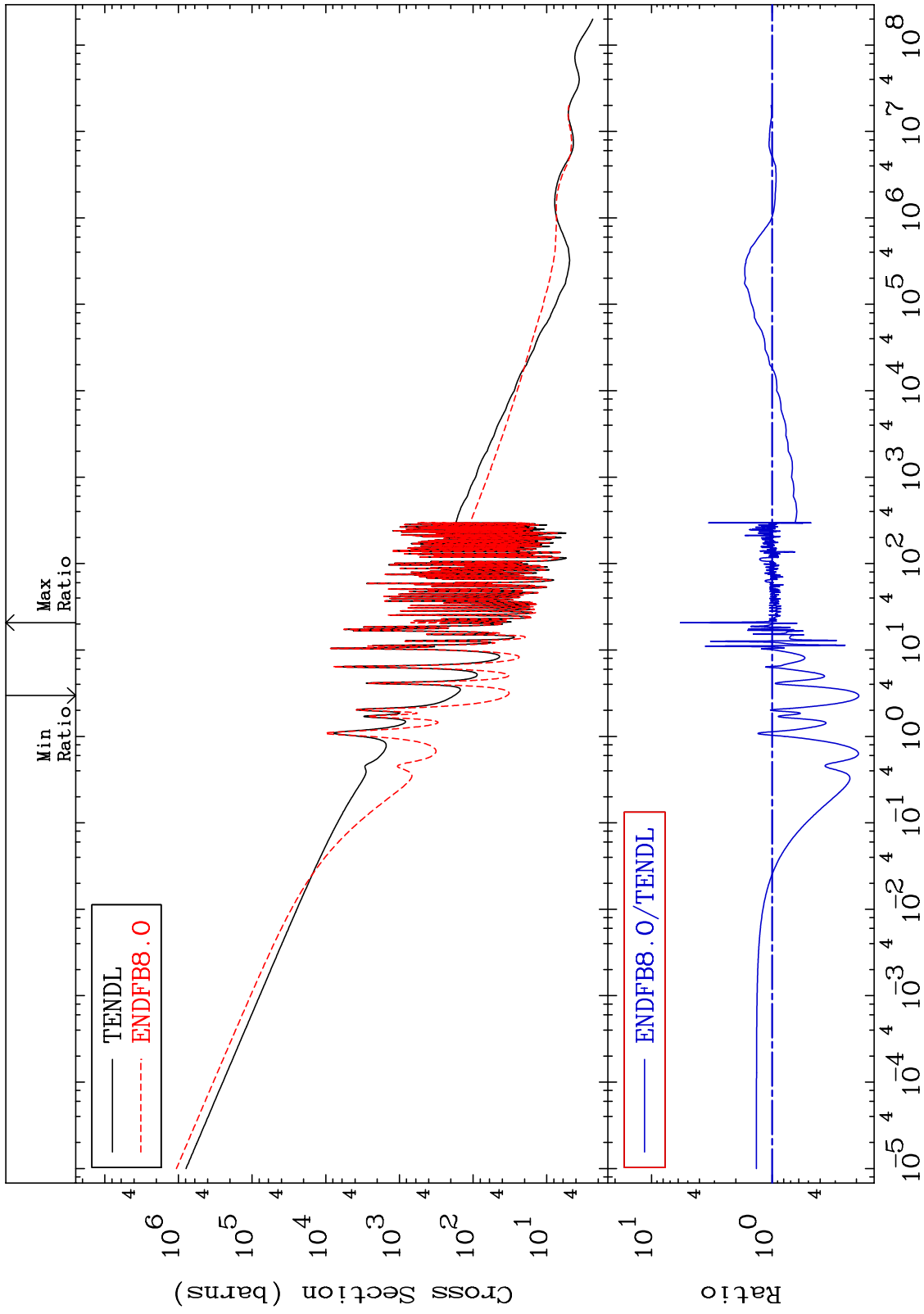
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6246

Total
Cross Section

62-Sm-151
-80.92 To 477.5 %

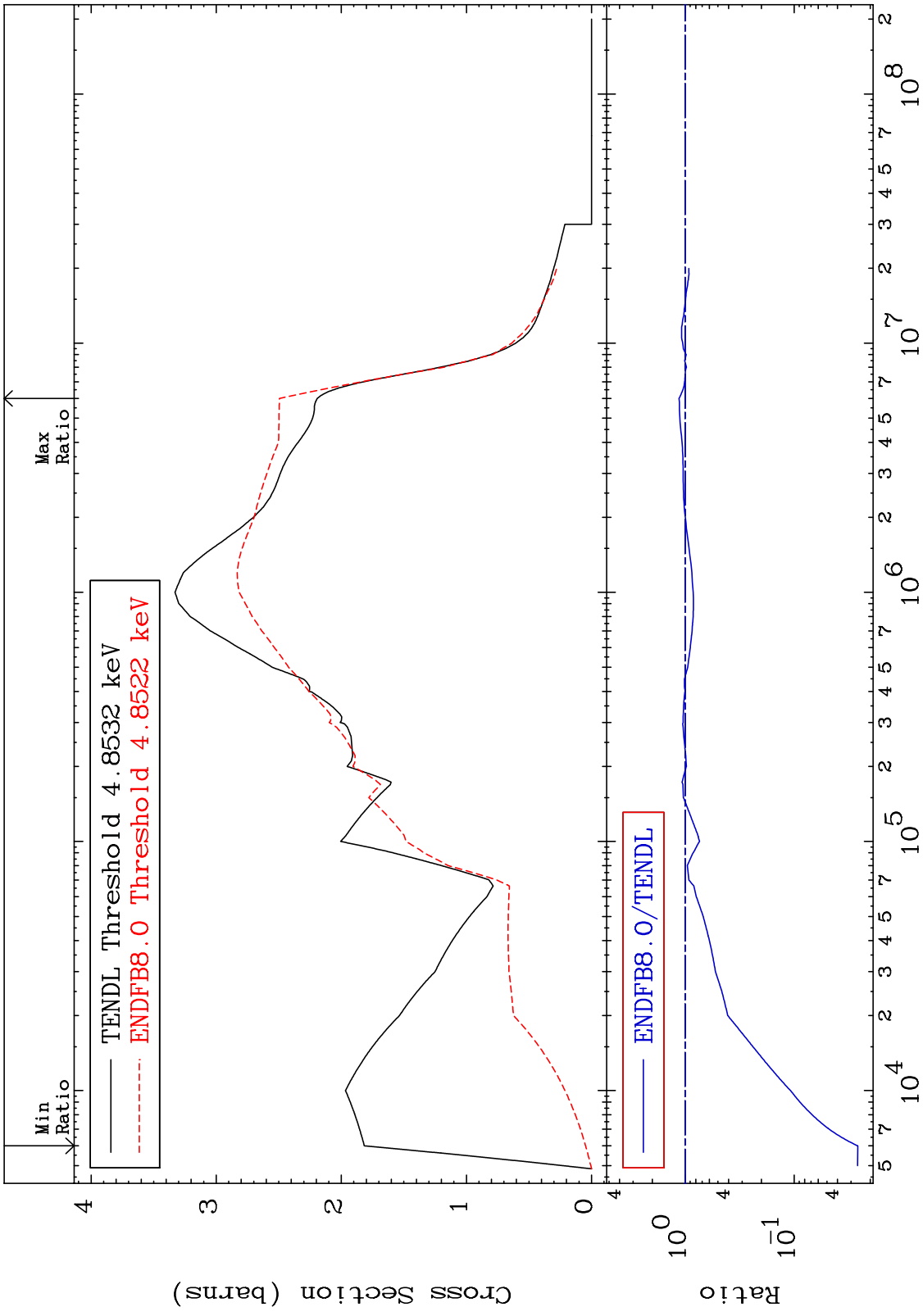


1

Incident Energy (eV)

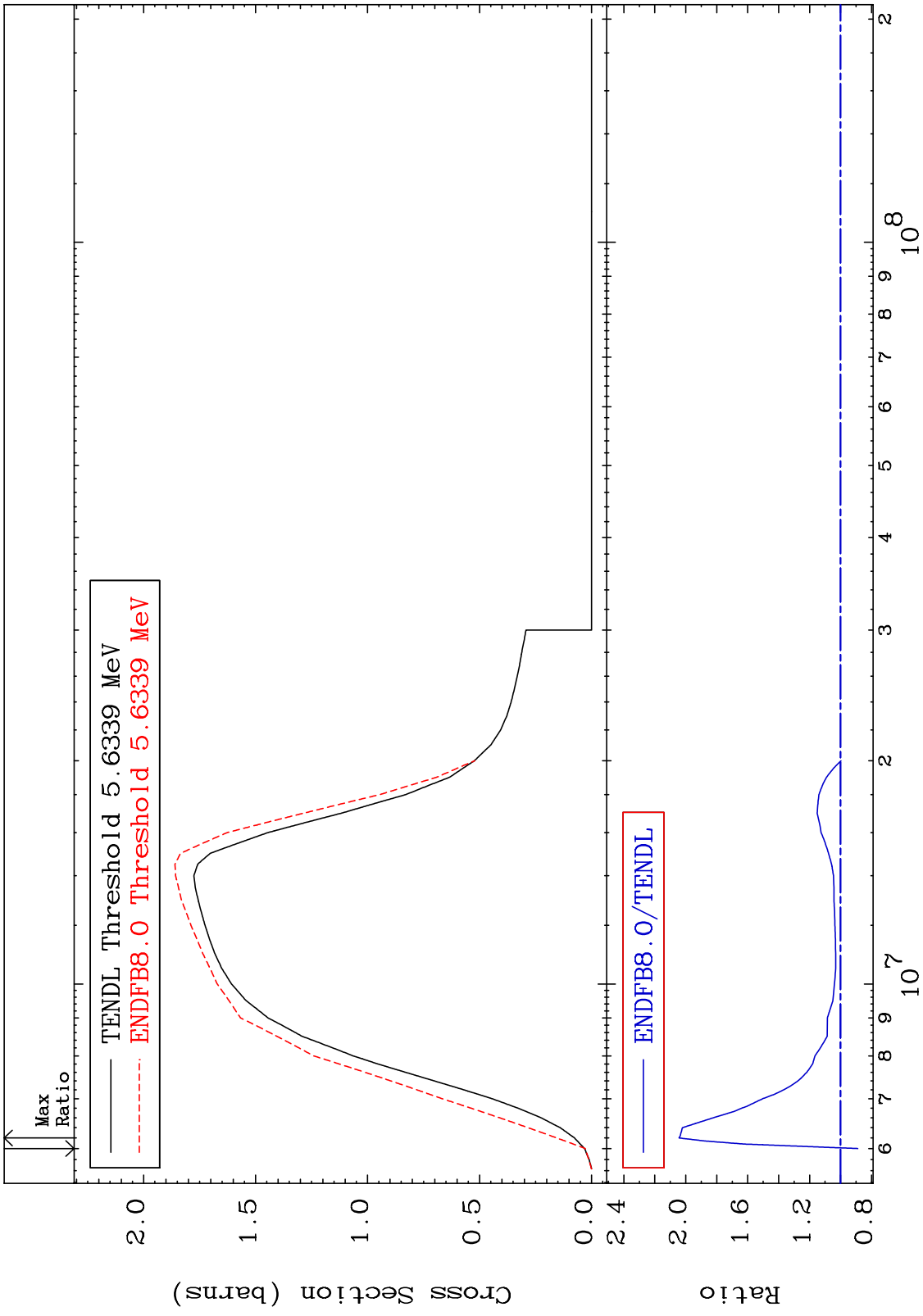
62-Sm-151

MAT 6246 Inelastic Cross Section 62-Sm-151 -97.40 To 13.82 %

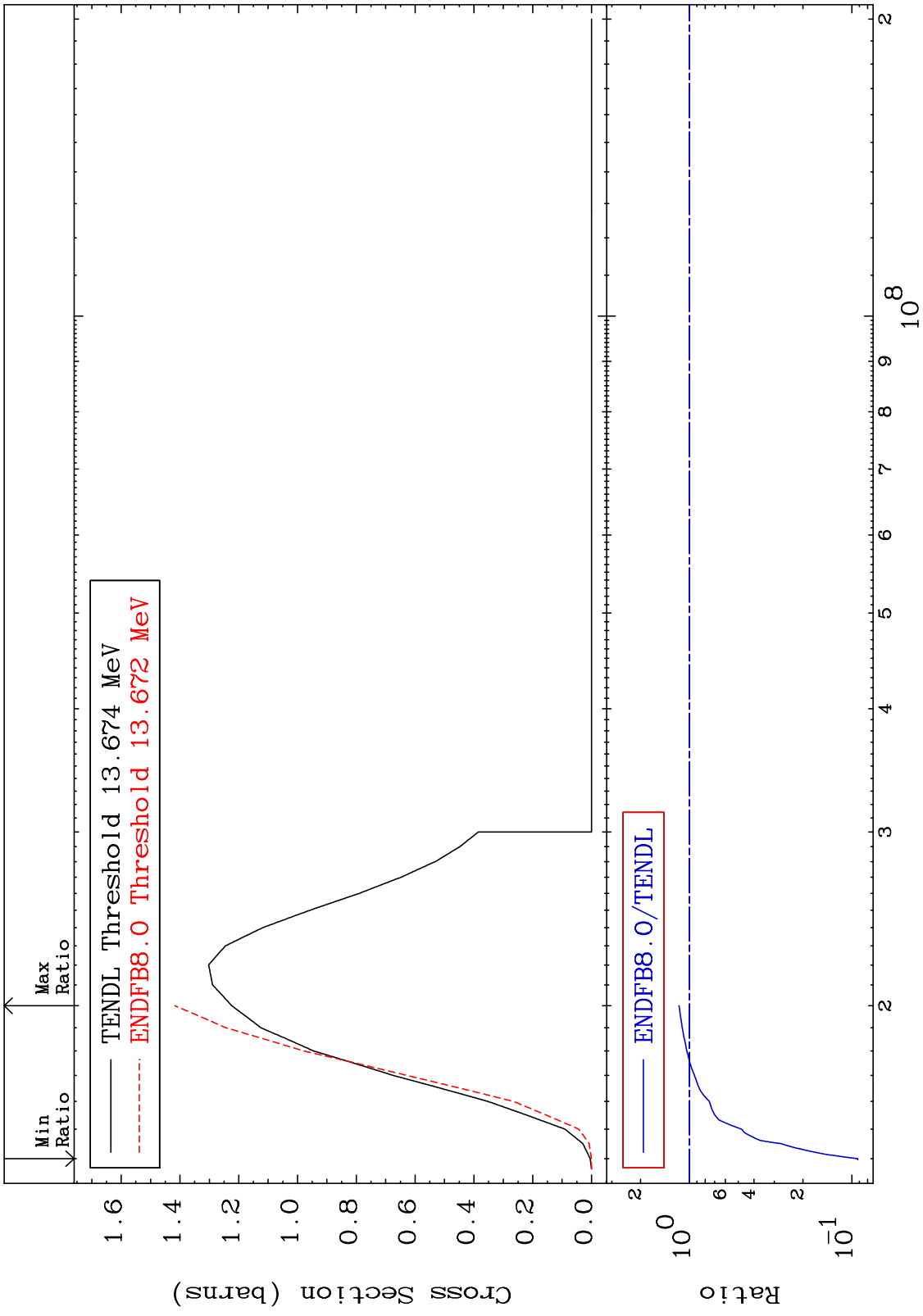


3 62-Sm-151 Incident Energy (eV)

MAT 6246 (n,2n) Cross Section 62-Sm-151 -11.15 To 104.3 %



MAT 6246 (n,3n) Cross Section 62-Sm-151 -90.82 To 15.80 %



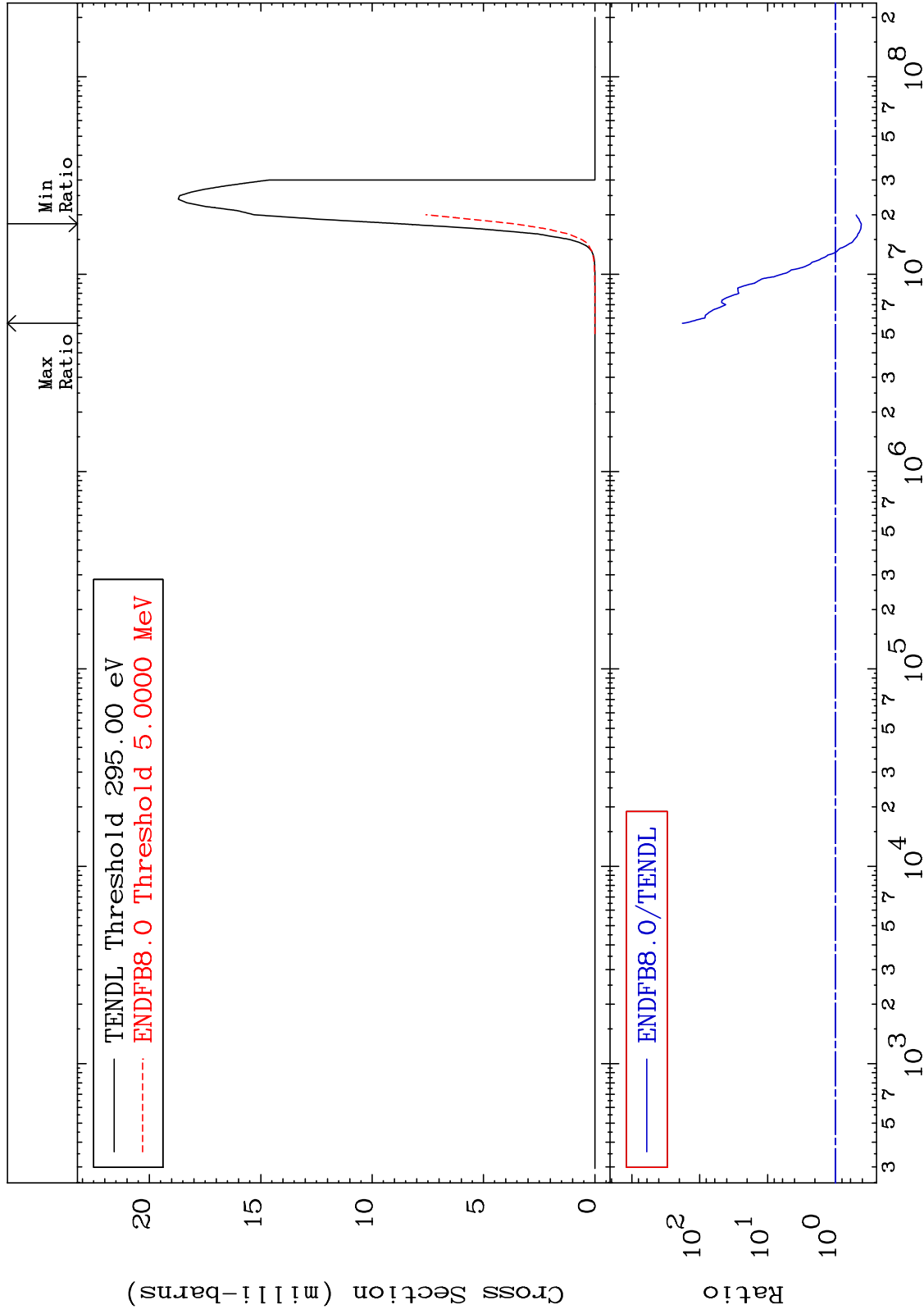
MAT 6246

(n, n') α

62-Sm-151

Cross Section

-58.44 To 9999. %



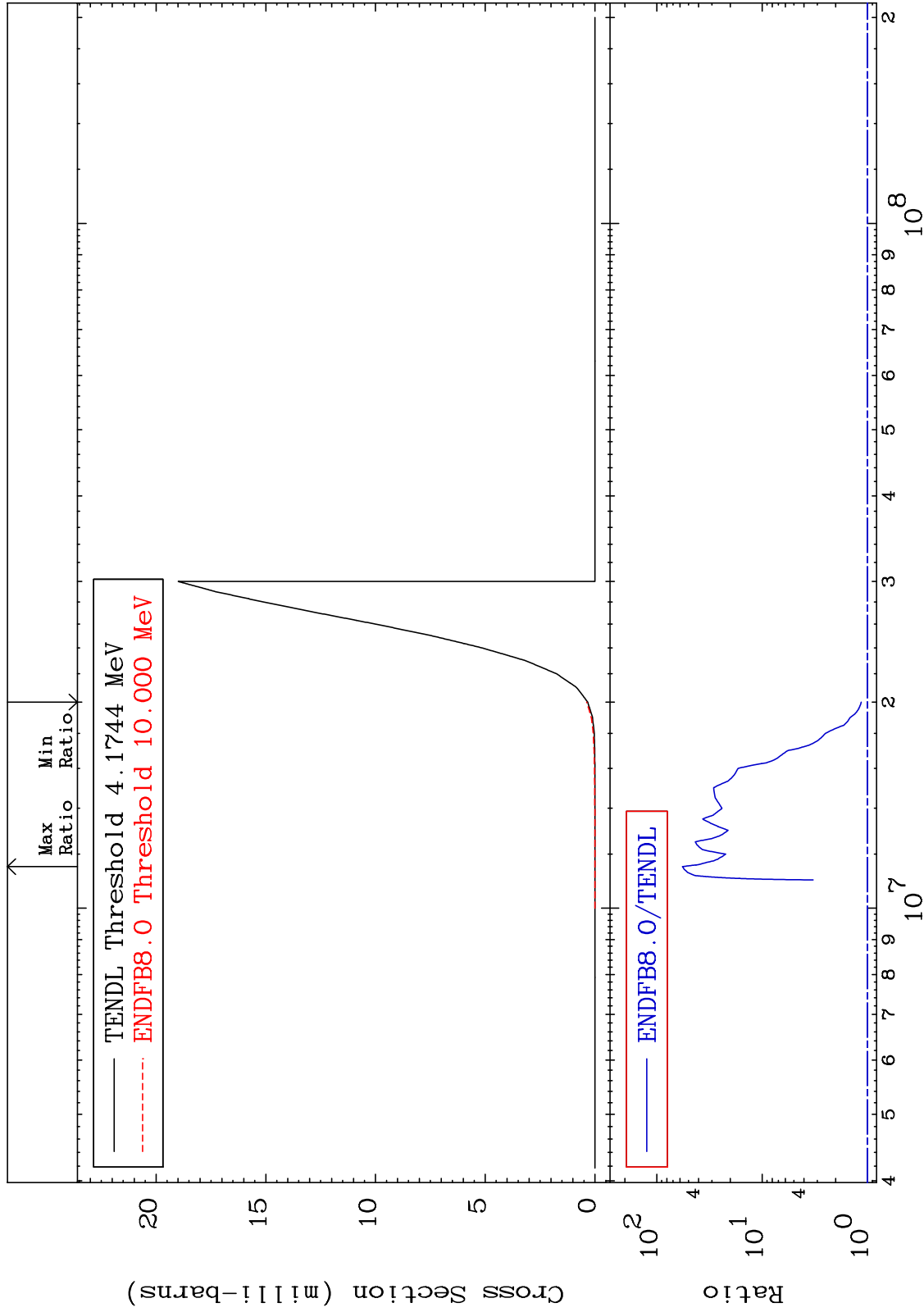
MAT 6246

(n,2n) α

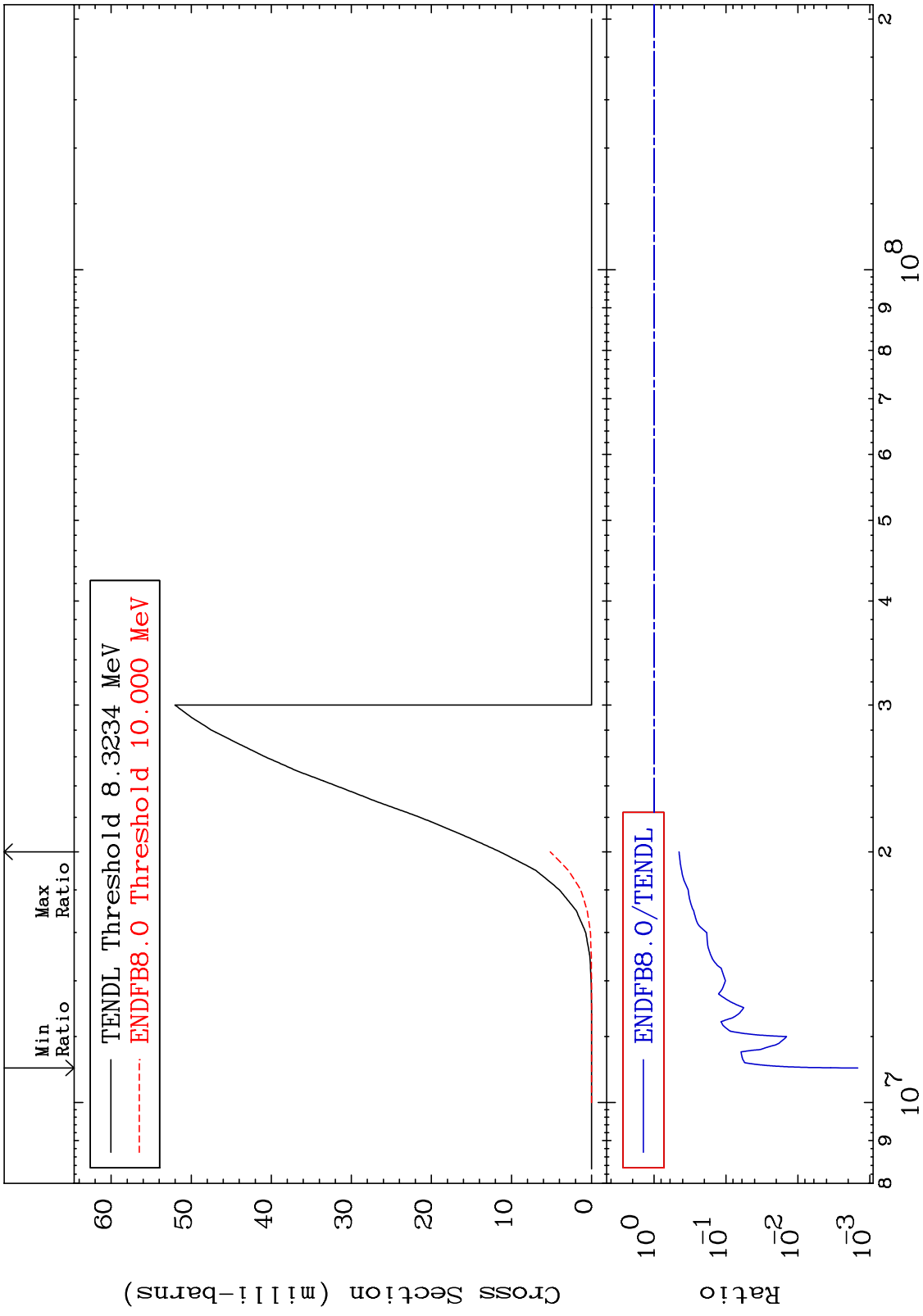
62-Sm-151

14.46 To 5598. %

Cross Section

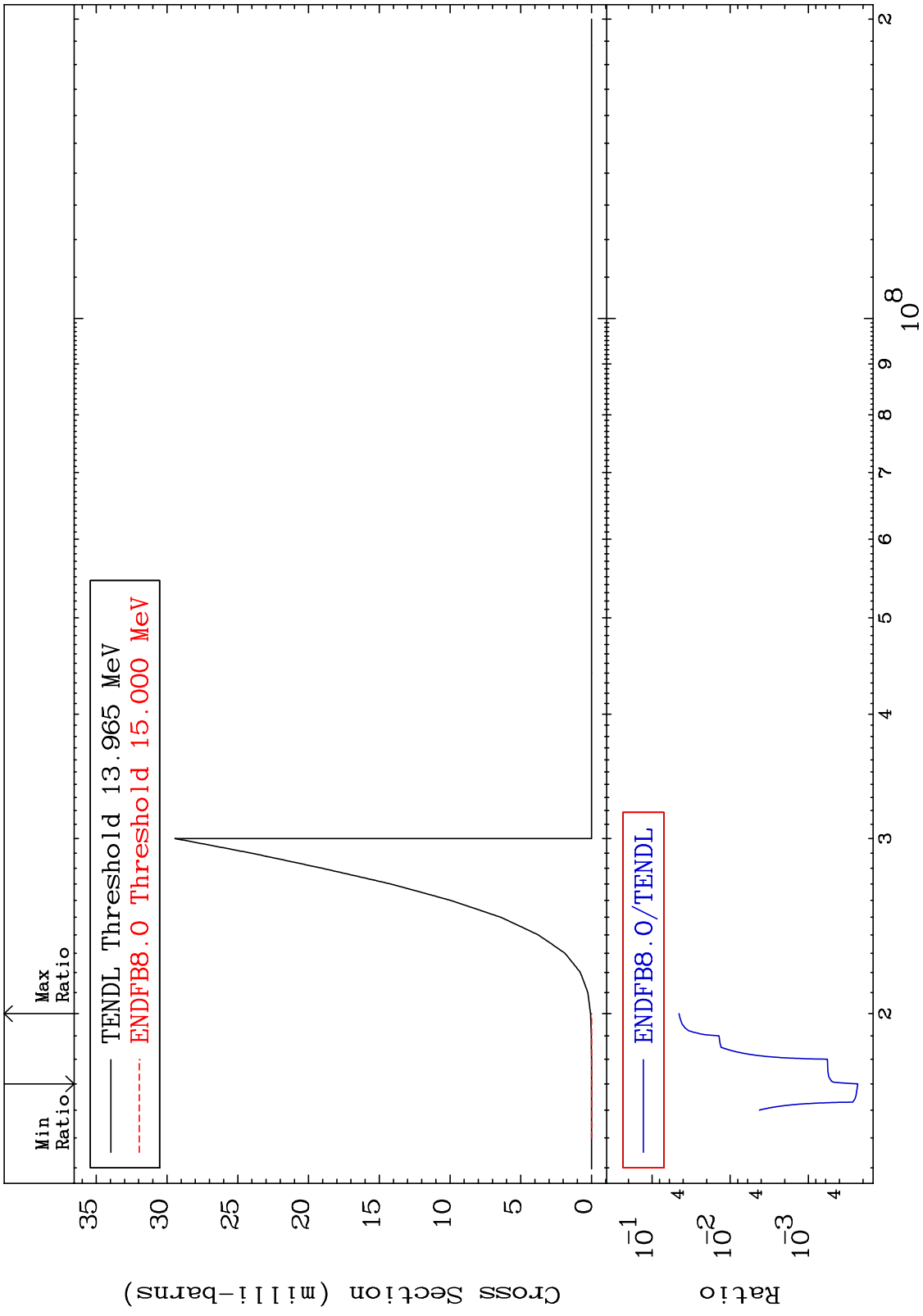


MAT 6246 (n, n') p $^{62}\text{Sm}-151$
 Cross Section -99.85 To -54.94%

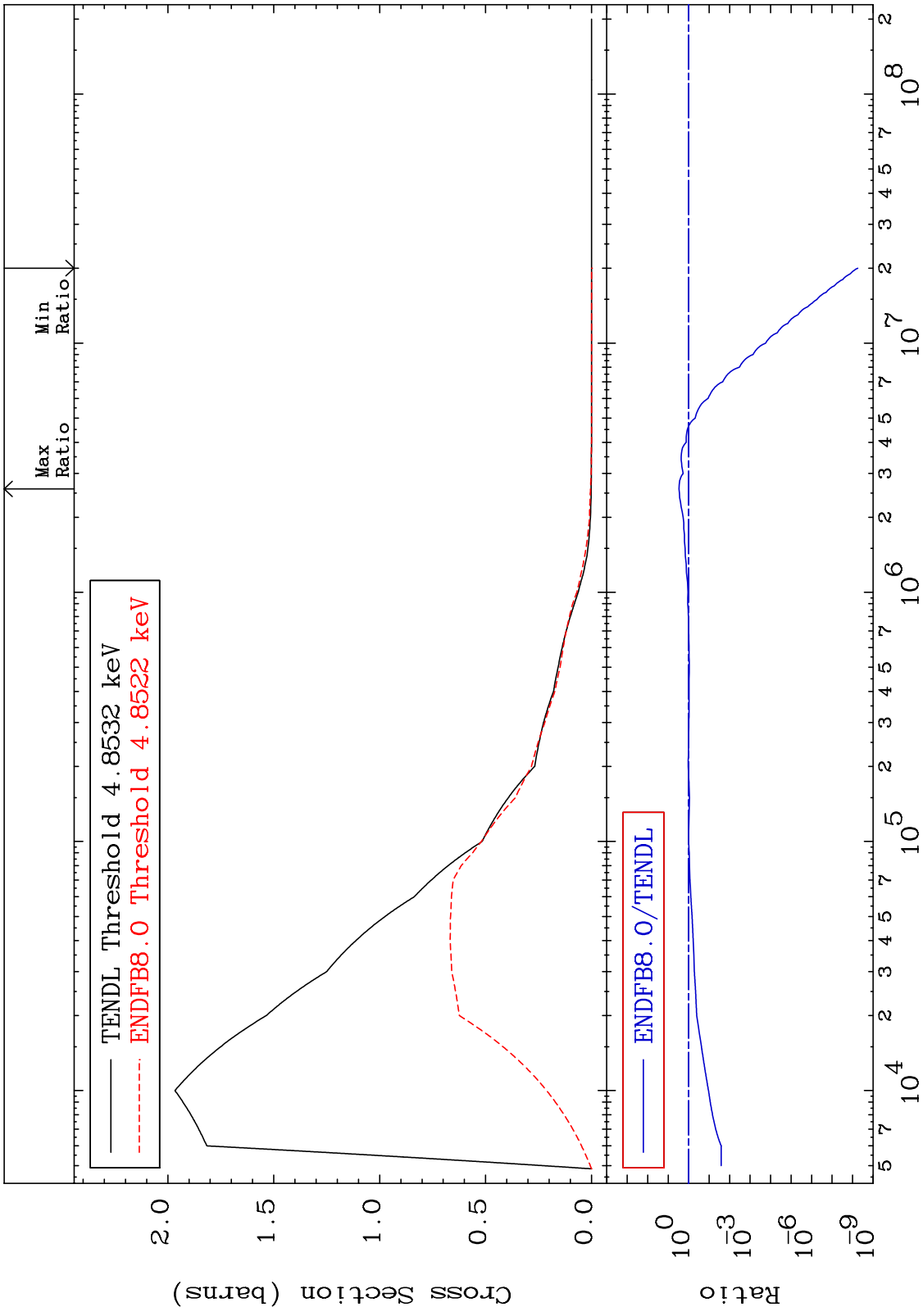


8 $^{62}\text{Sm}-151$

MAT 6246 (n,2n) p 62-Sm-151
 Cross Section -99.98 To -95.49%

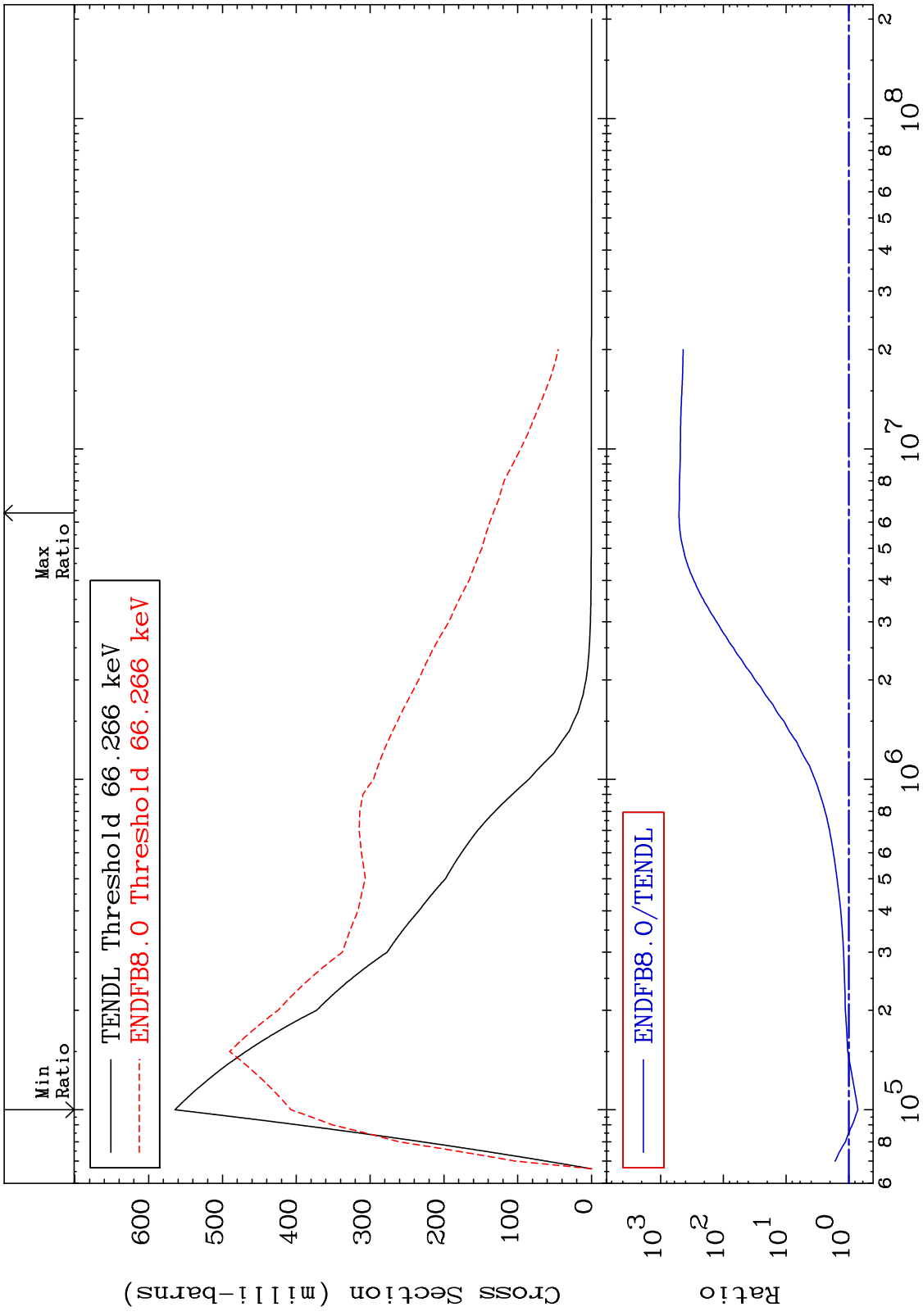


MAT 6246 MT= 51 (n,n') Level Cross Section 62-Sm-151
 -100.0 To 194.9 %



10 Incident Energy (eV) 62-Sm-151

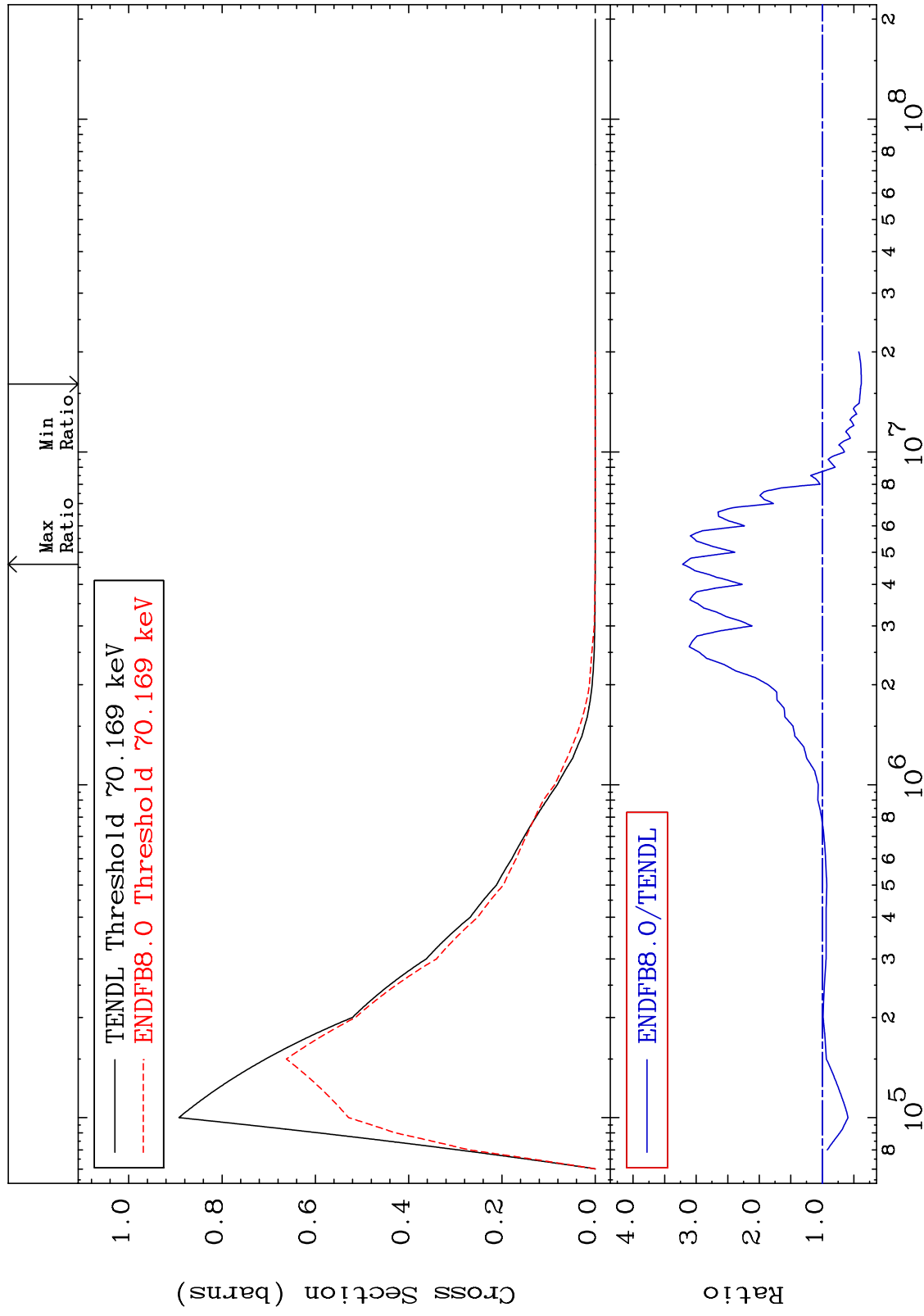
MAT 6246 MT= 52 (n,n') Level Cross Section 62-Sm-151
 -27.86 To 9999. %



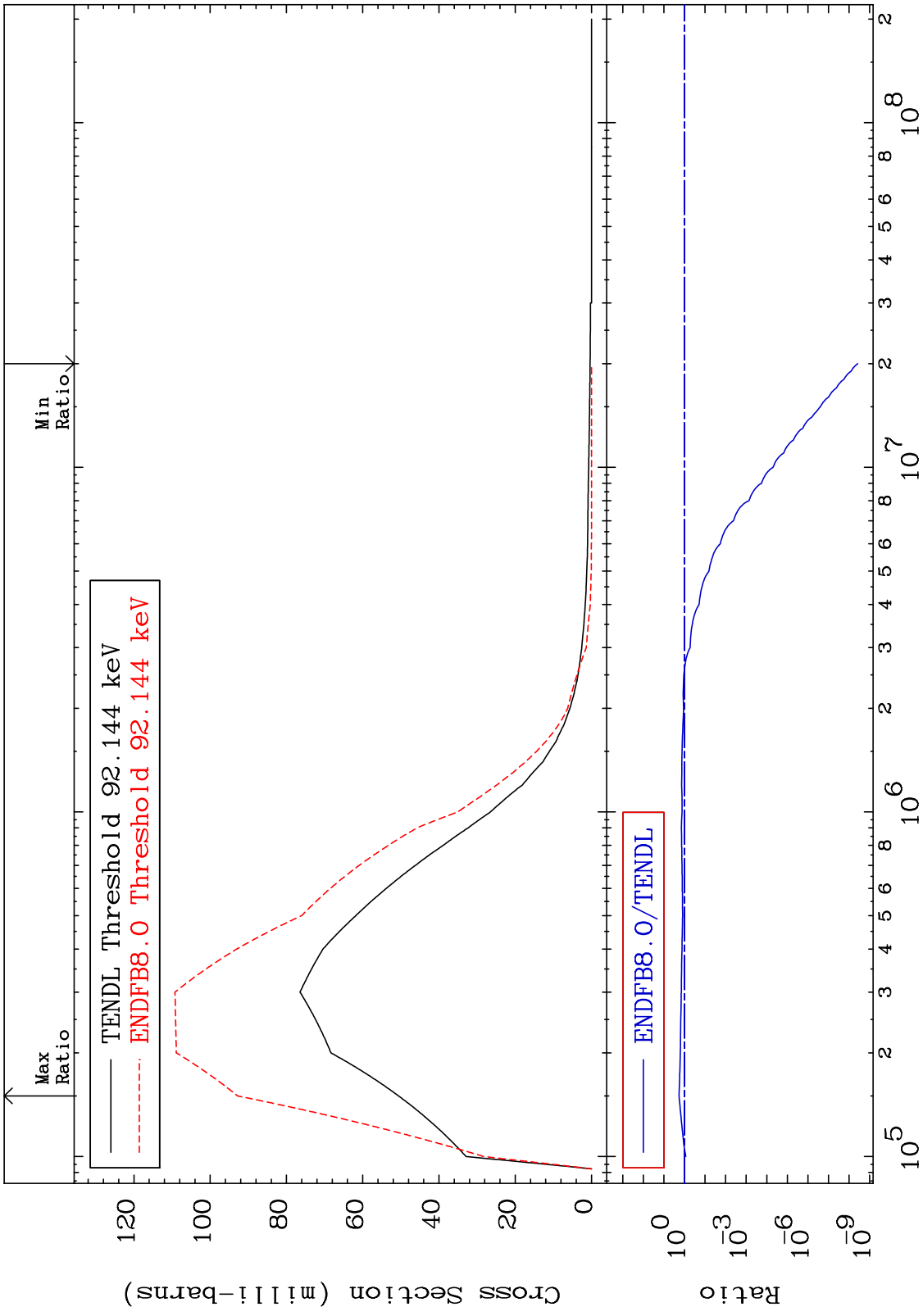
MAT 6246

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

62-Sm-151
-61.88 To 221.4 %

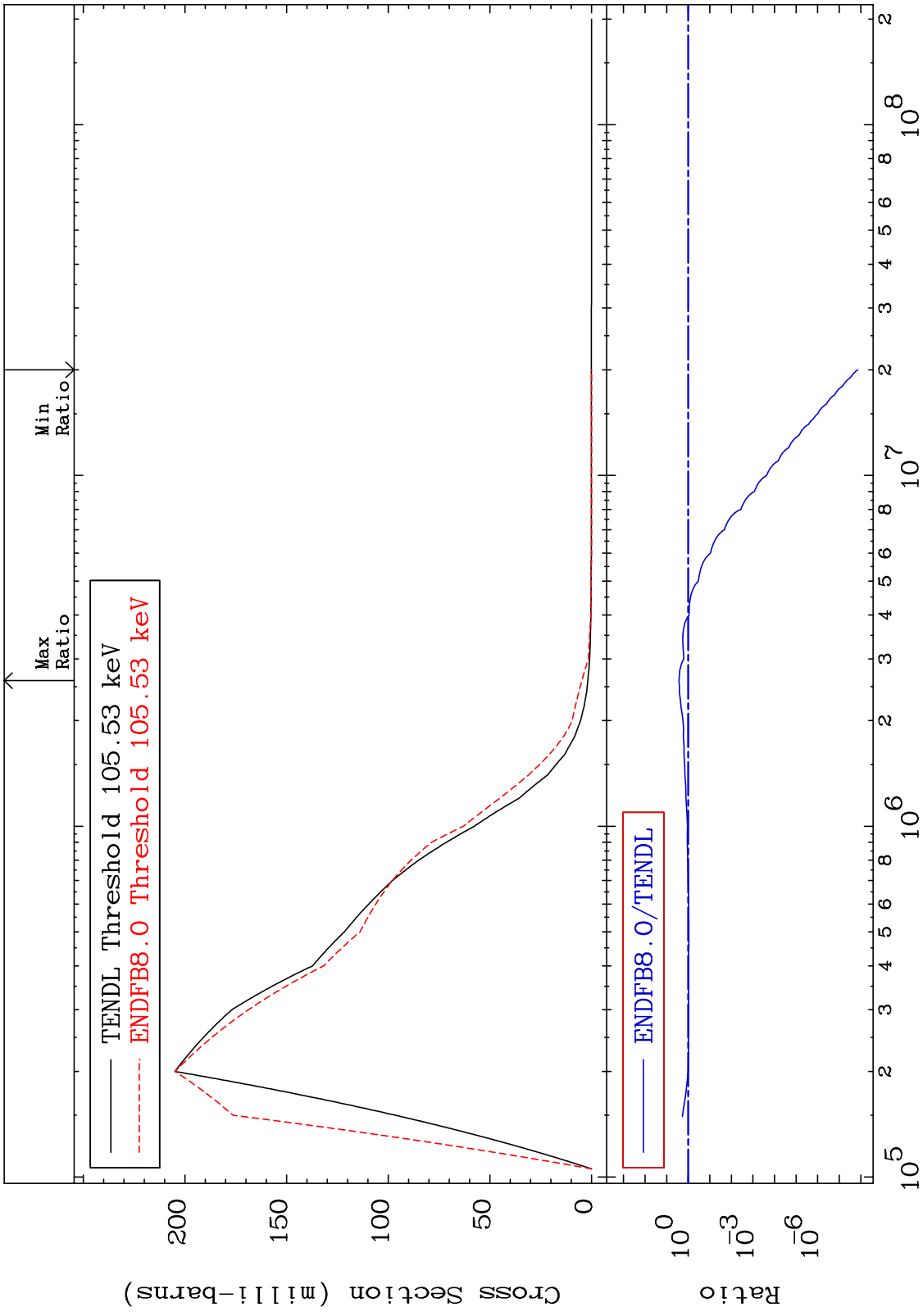


MAT 6246 MT= 54 (n,n') Level 62-Sm-151
 Cross Section -100.0 To 83.41 %



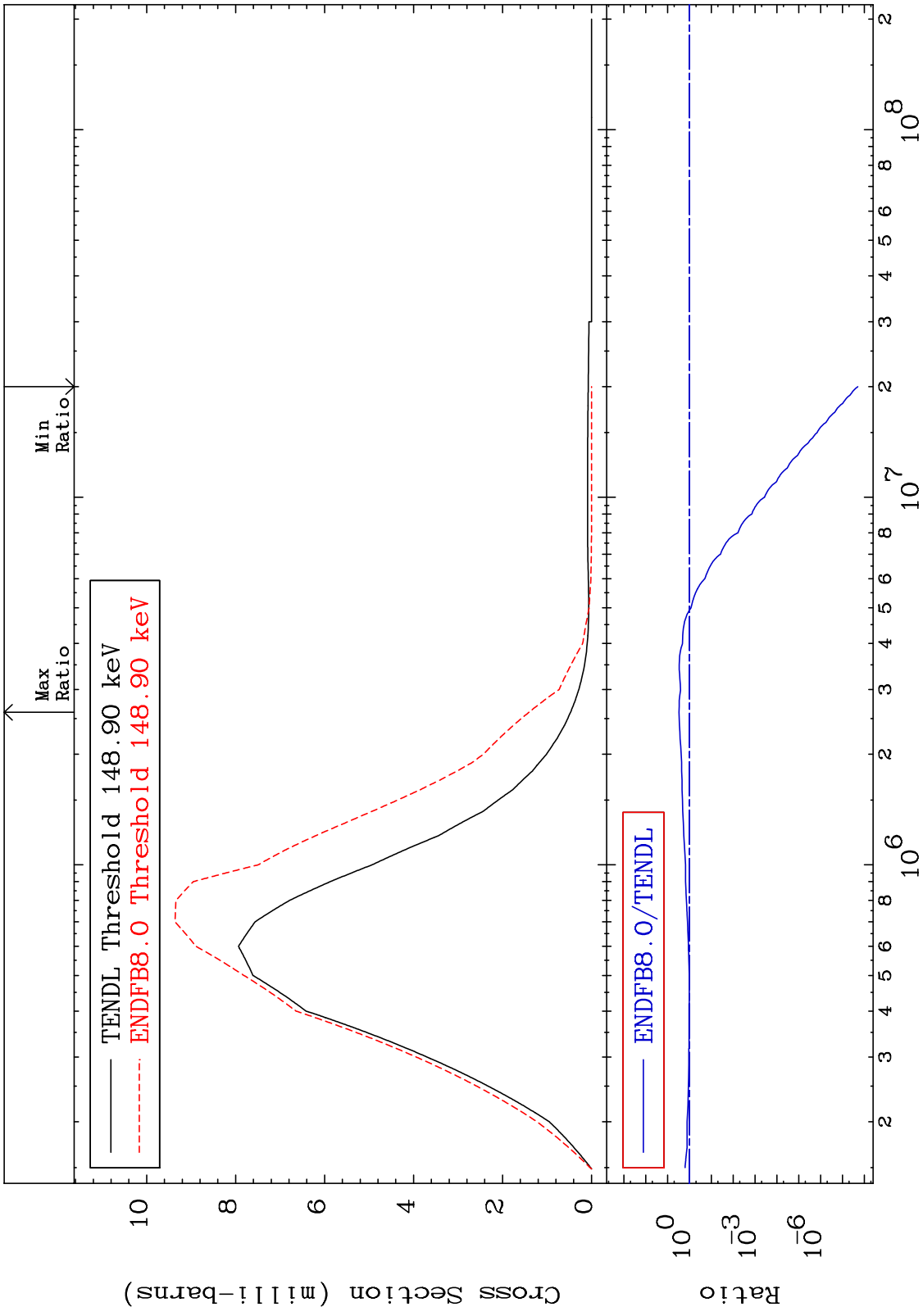
13 Incident Energy (eV) 62-Sm-151

MAT 6246 MT= 55 (n,n') Level Cross Section 62-Sm-151
 -100.0 To 166.6 %

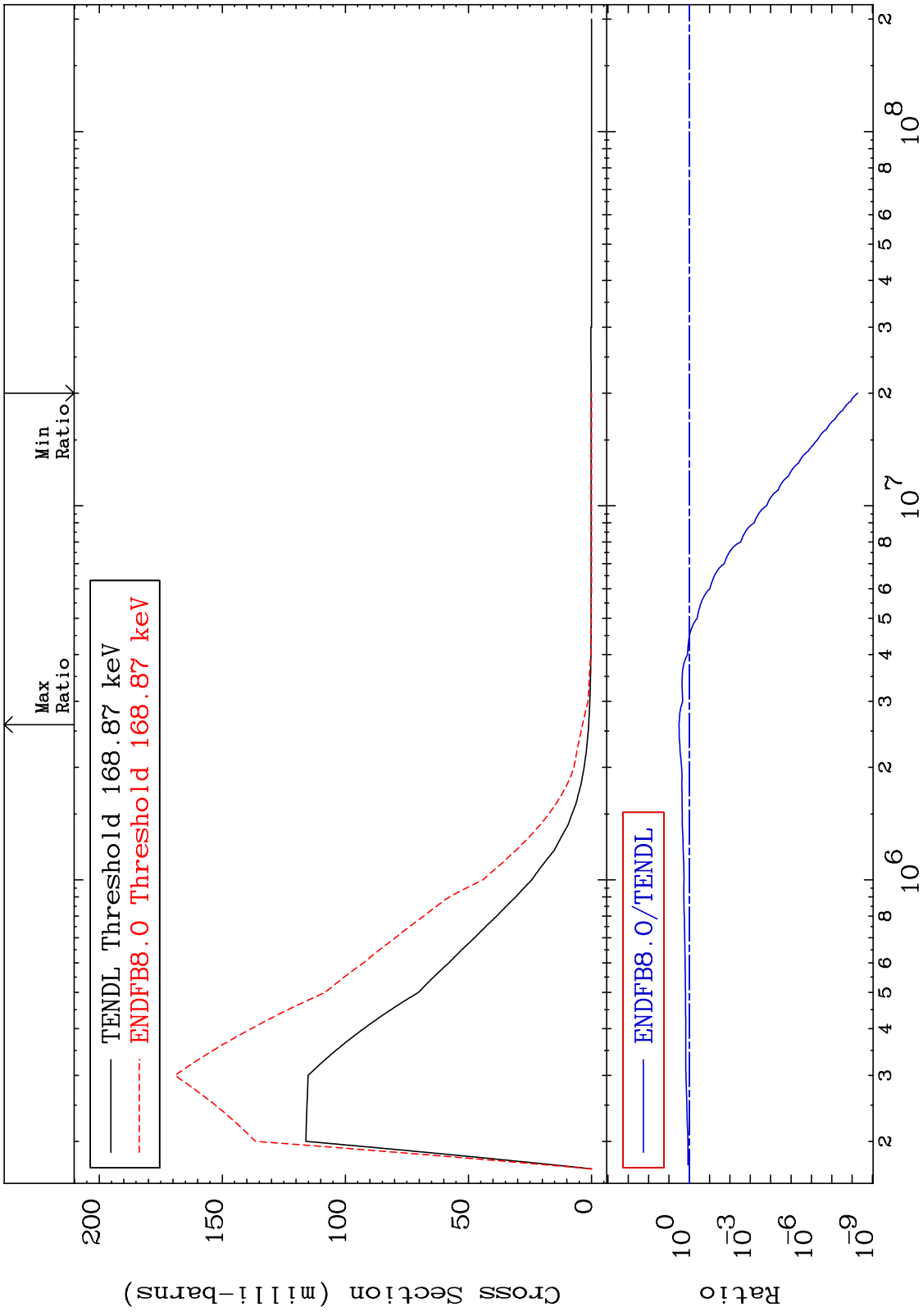


14 62-Sm-151 Incident Energy (eV)

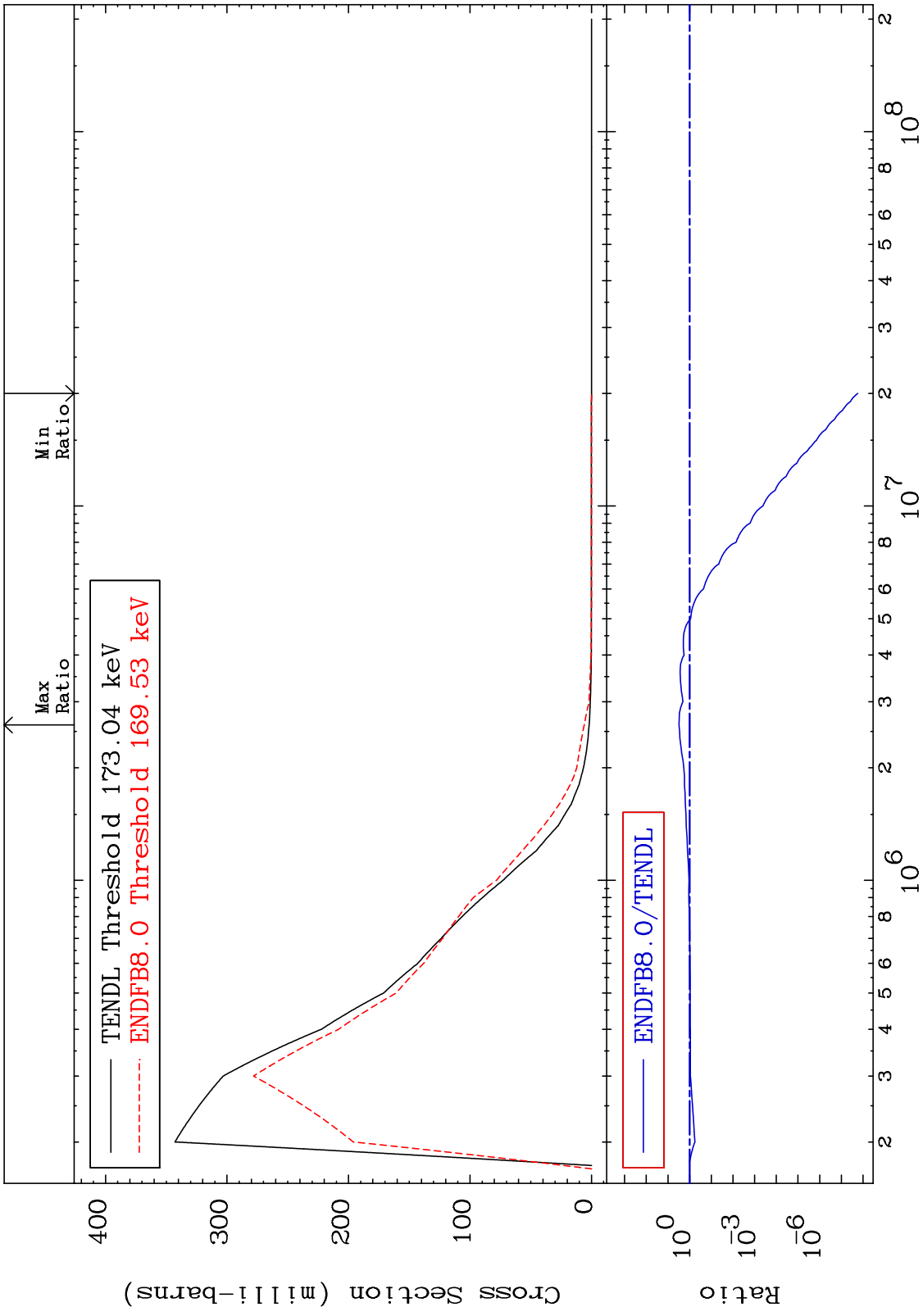
MAT 6246 MT= 56 (n,n') Level Cross Section 62-Sm-151
 -100.0 To 199.6 %



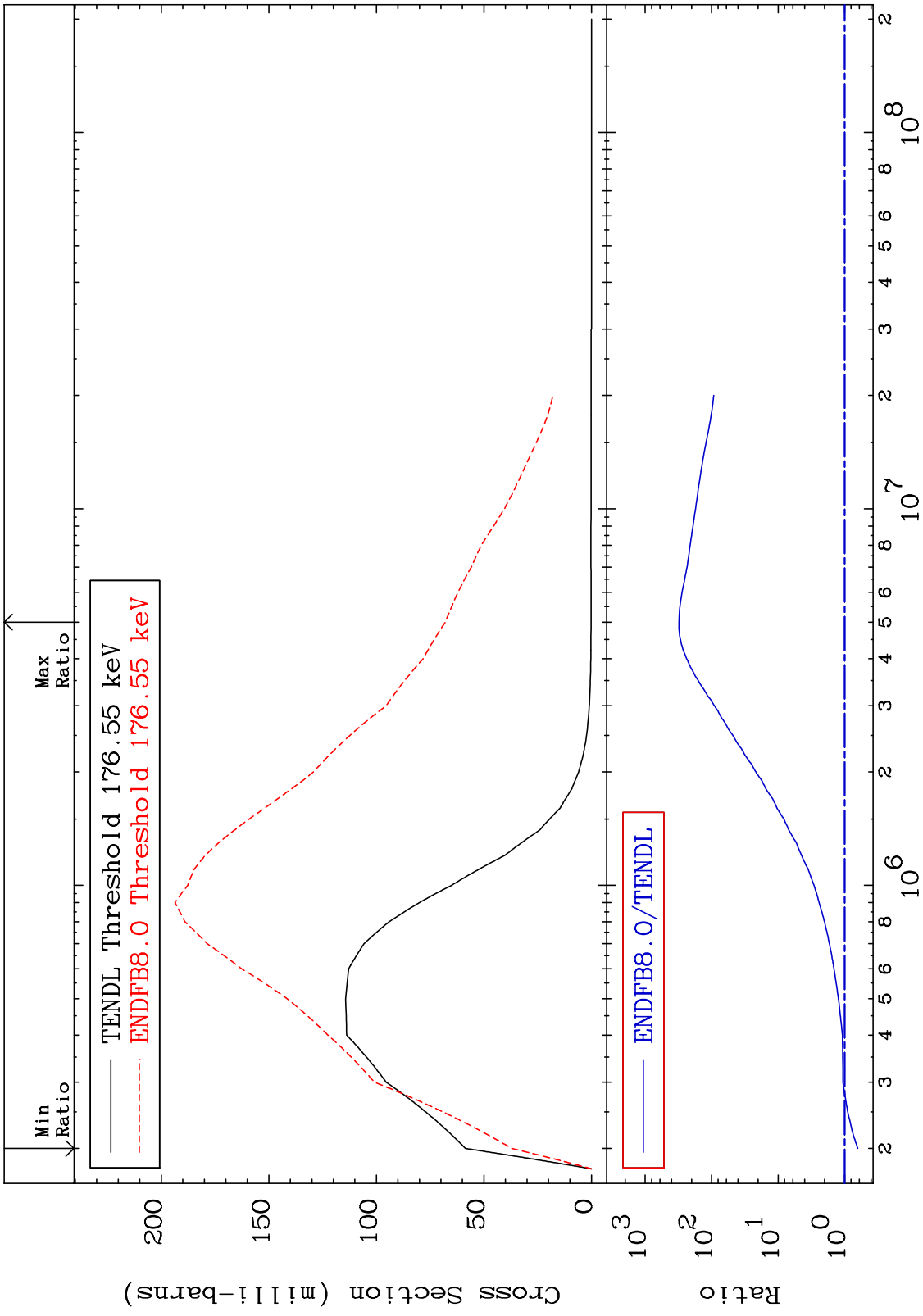
MAT 6246 MT= 57 (n,n') Level Cross Section 62-Sm-151
 -100.0 To 218.2 %



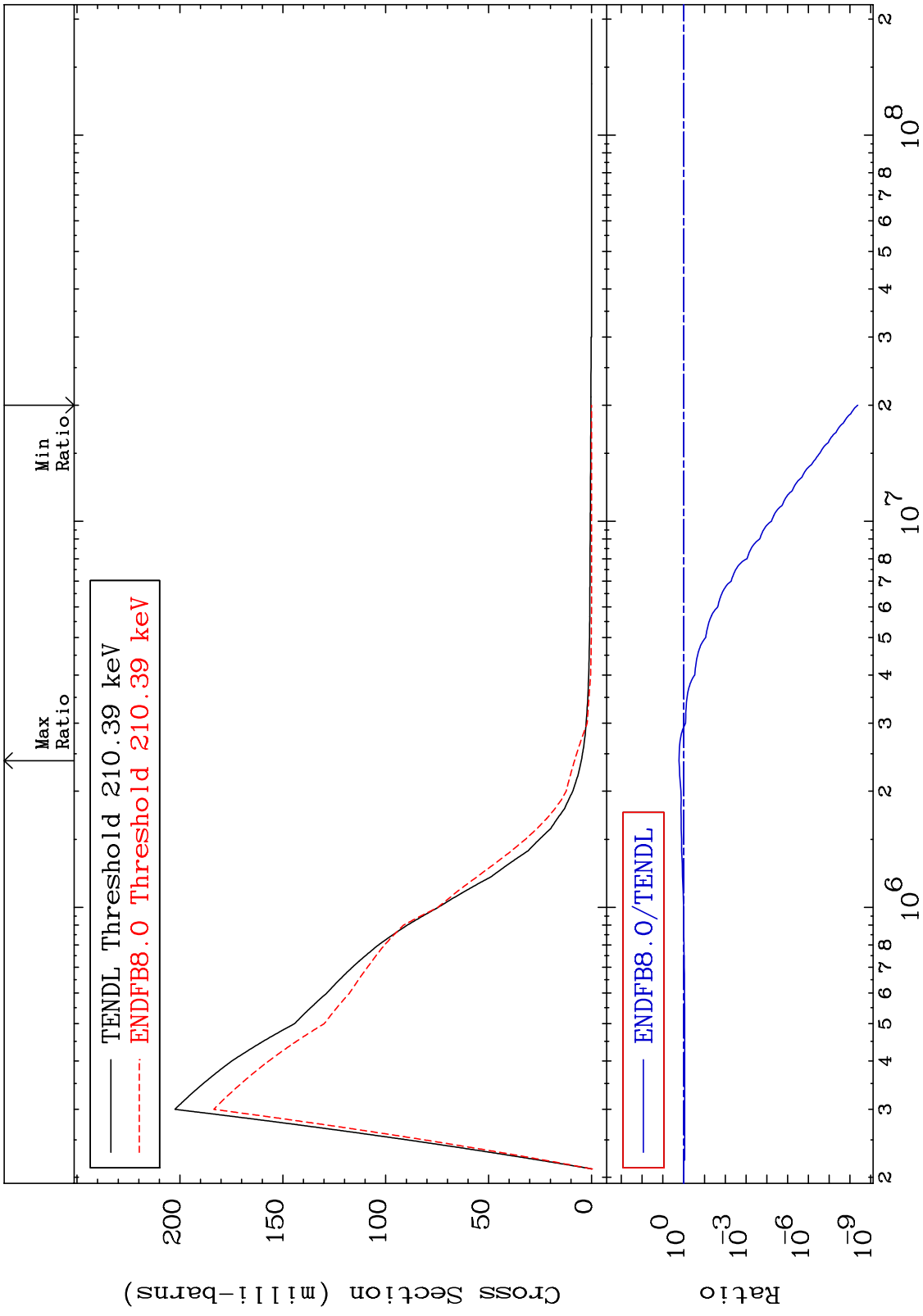
MAT 6246 MT= 58 (n,n') Level Cross Section 62-Sm-151 -100.0 To 207.4 %



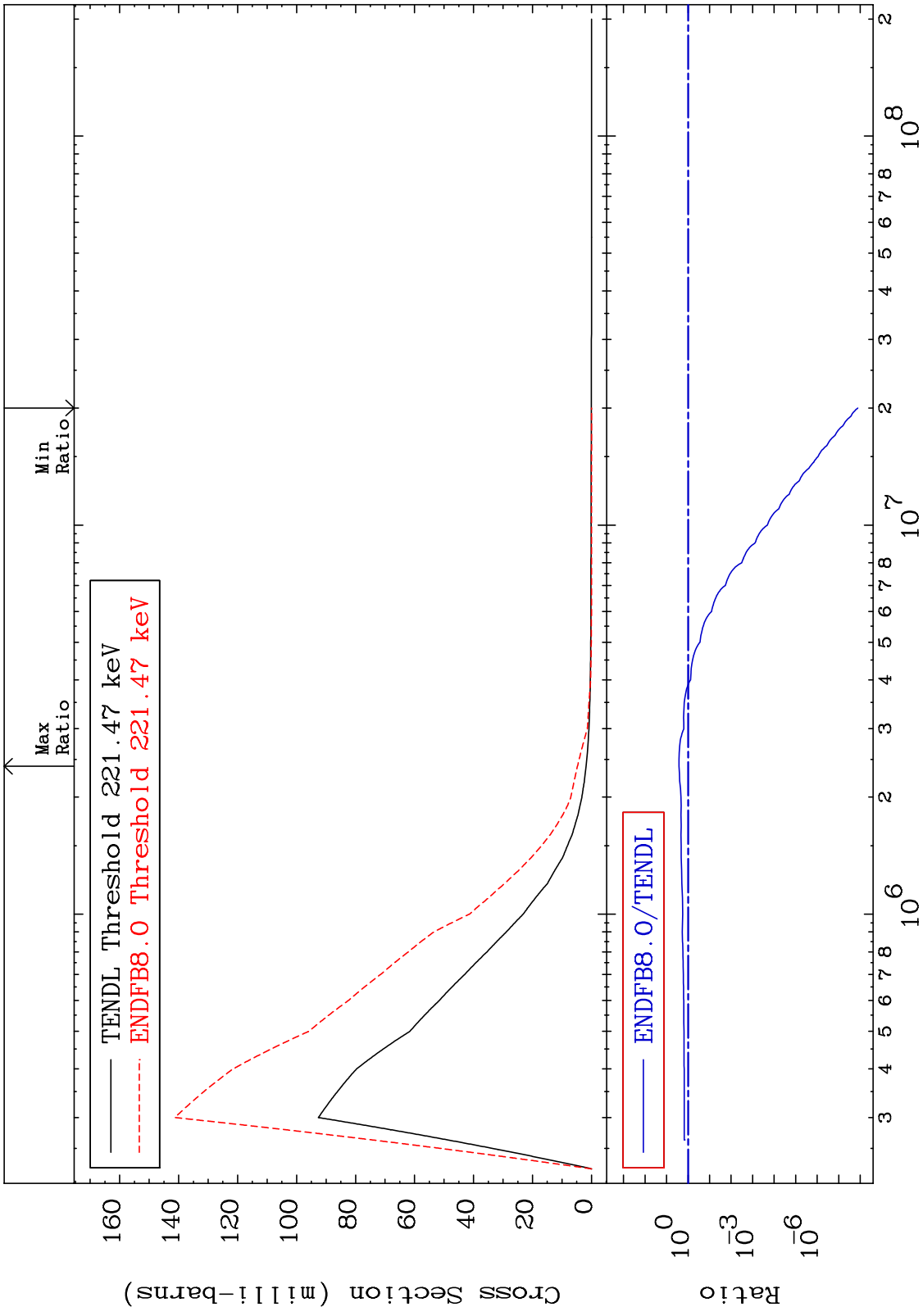
MAT 6246 MT= 59 (n,n') Level 62-Sm-151
 Cross Section -36.77 To 9999. %



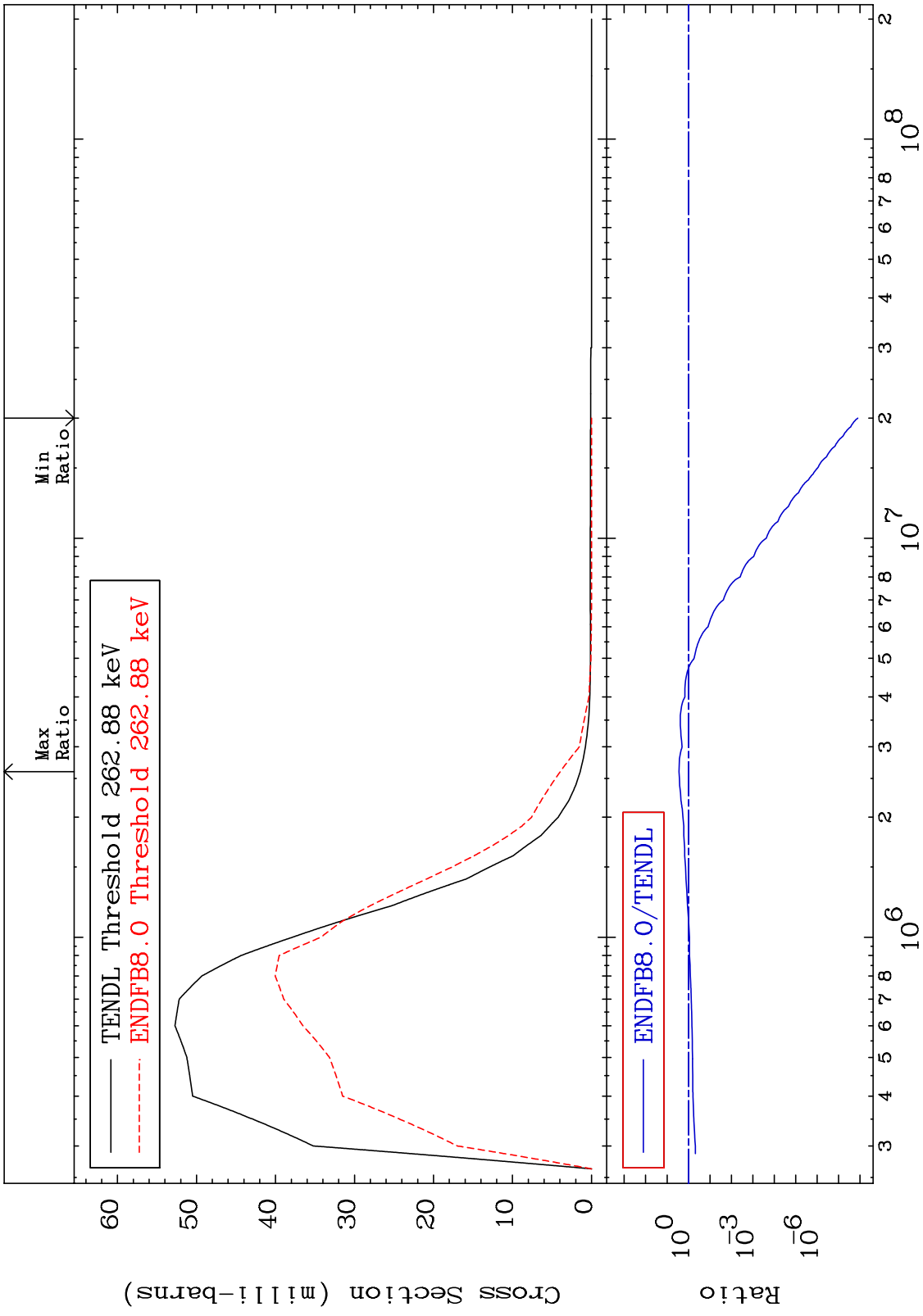
MAT 6246 MT= 60 (n,n') Level Cross Section 62-Sm-151 -100.0 To 67.28 %



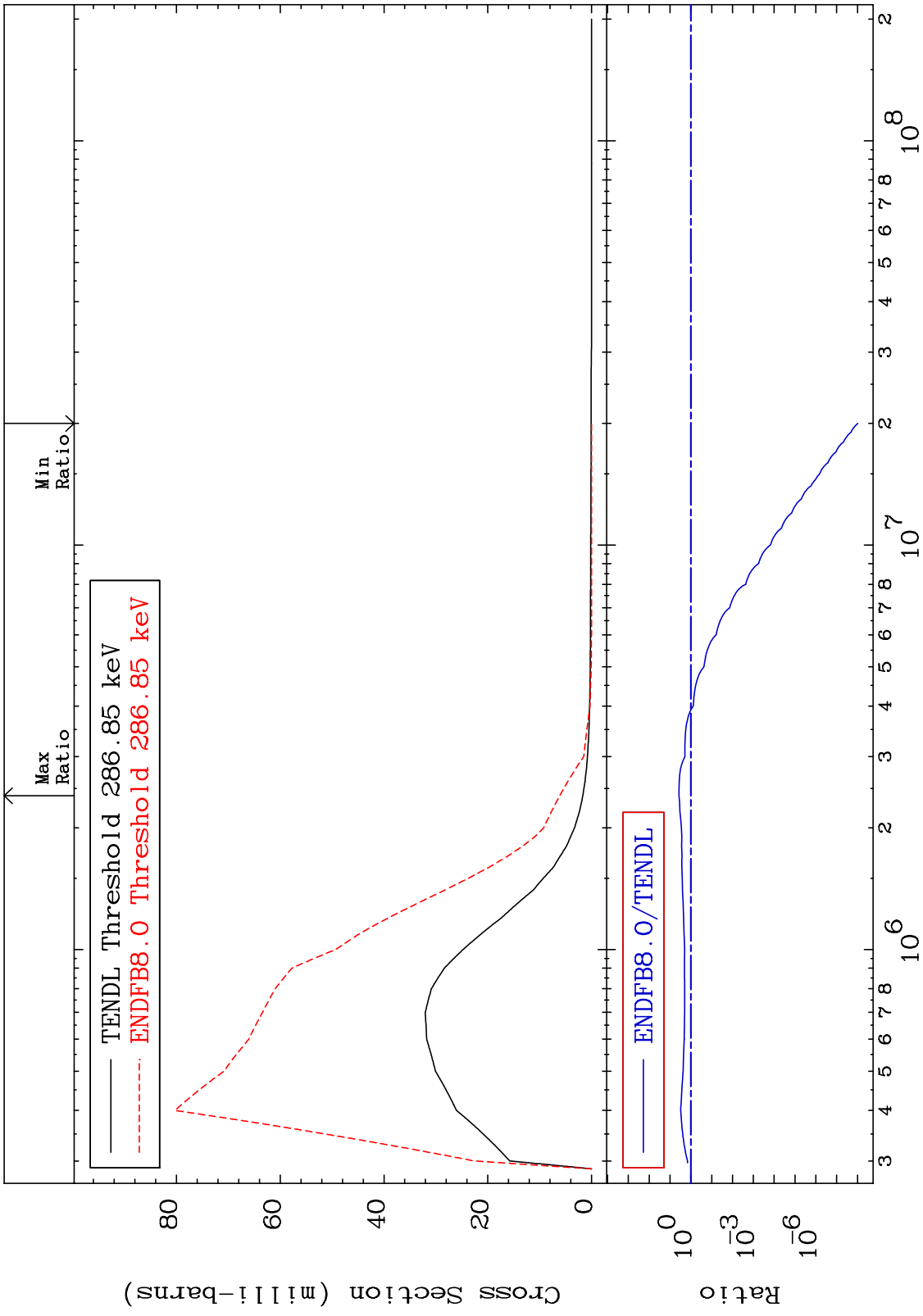
MAT 6246 MT= 61 (n,n') Level Cross Section 62-Sm-151
 -100.0 To 162.4 %



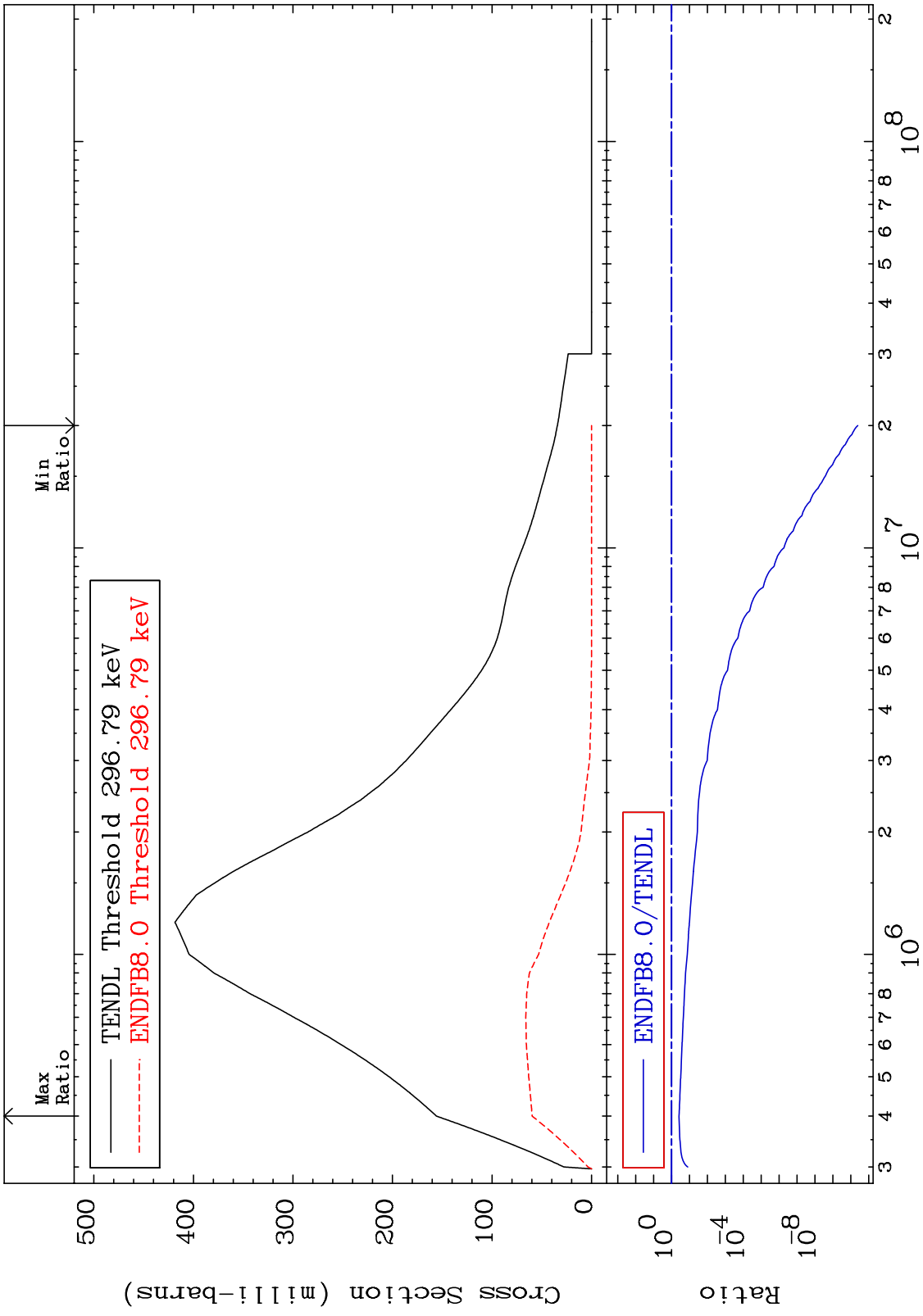
MAT 6246 MT= 62 (n,n') Level Cross Section 62-Sm-151 -100.0 To 176.1 %



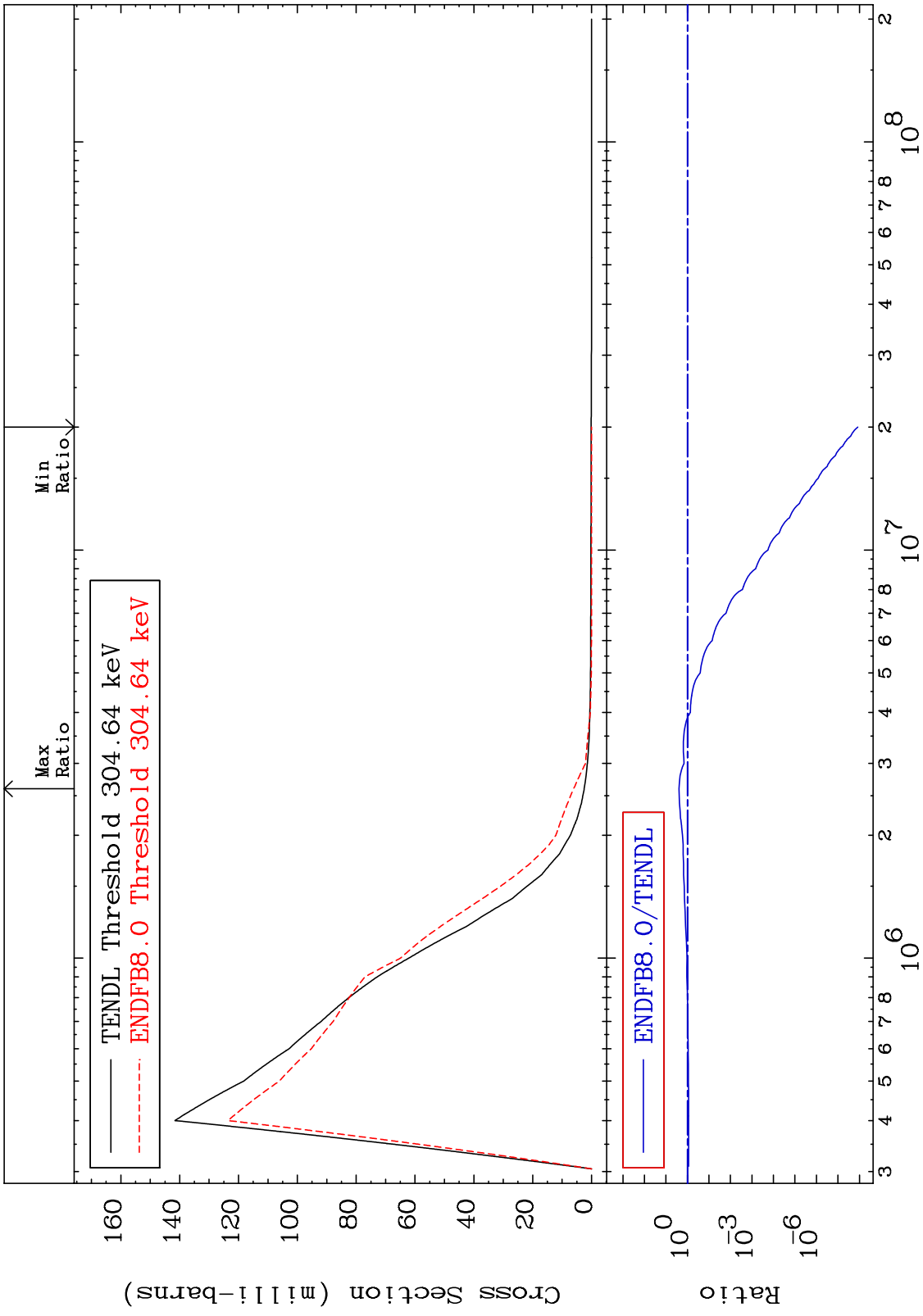
MAT 6246 MT= 63 (n,n') Level Cross Section 62-Sm-151
 -100.0 To 267.8 %



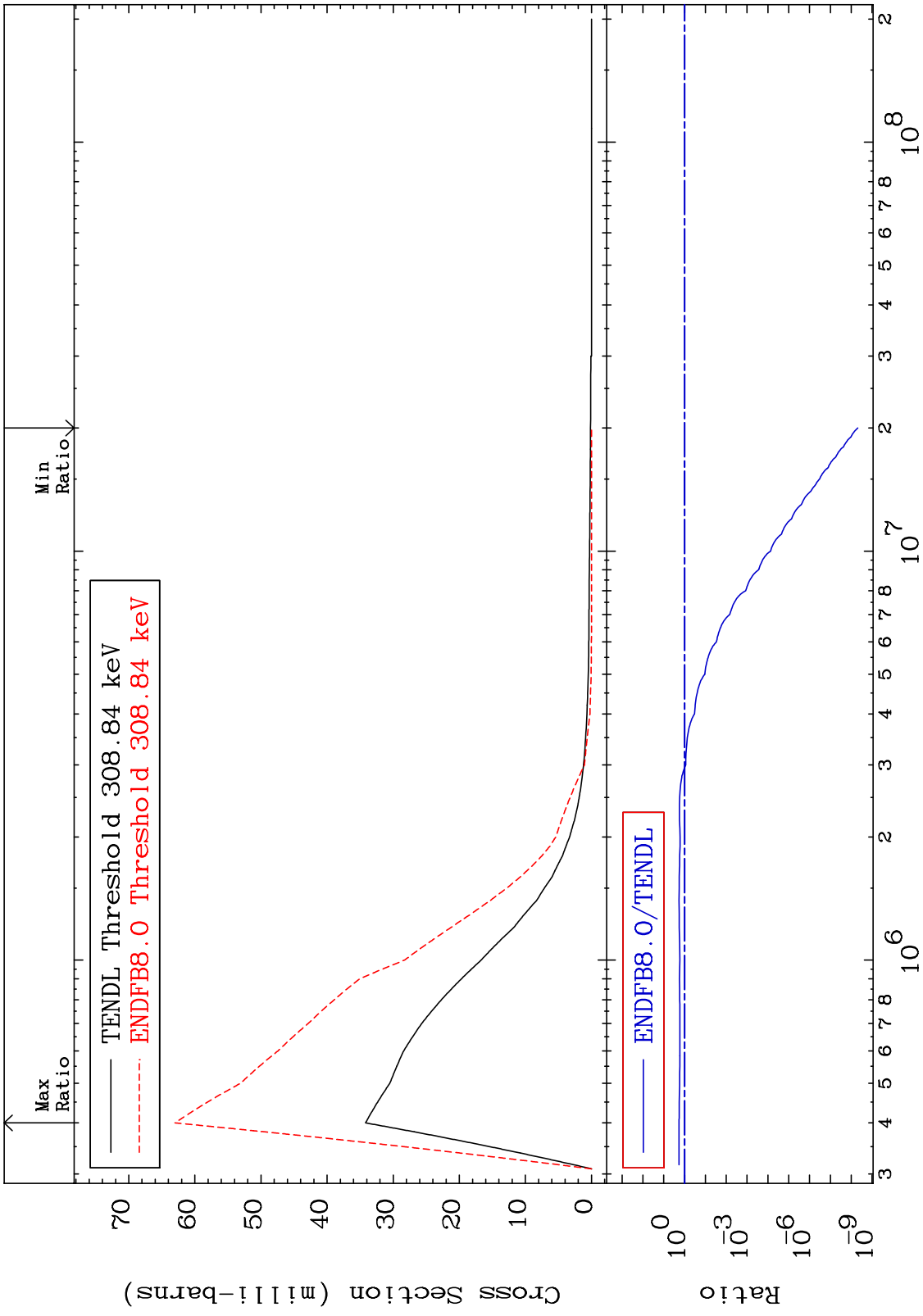
MAT 6246 MT= 64 (n,n') Level Cross Section 62-Sm-151 -100.0 To -61.74%



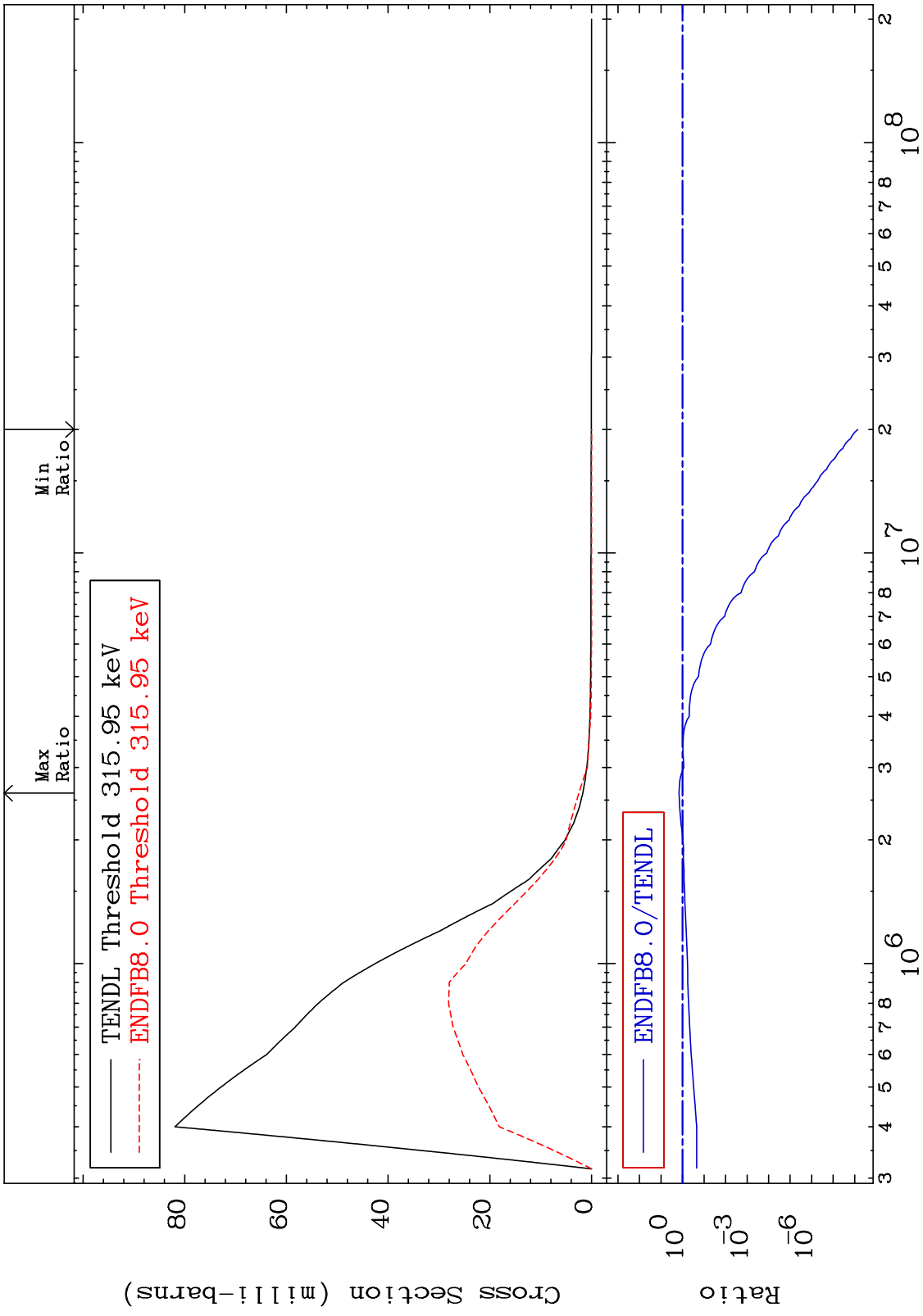
MAT 6246 MT= 65 (n,n') Level Cross Section 62-Sm-151
 -100.0 To 145.3 %



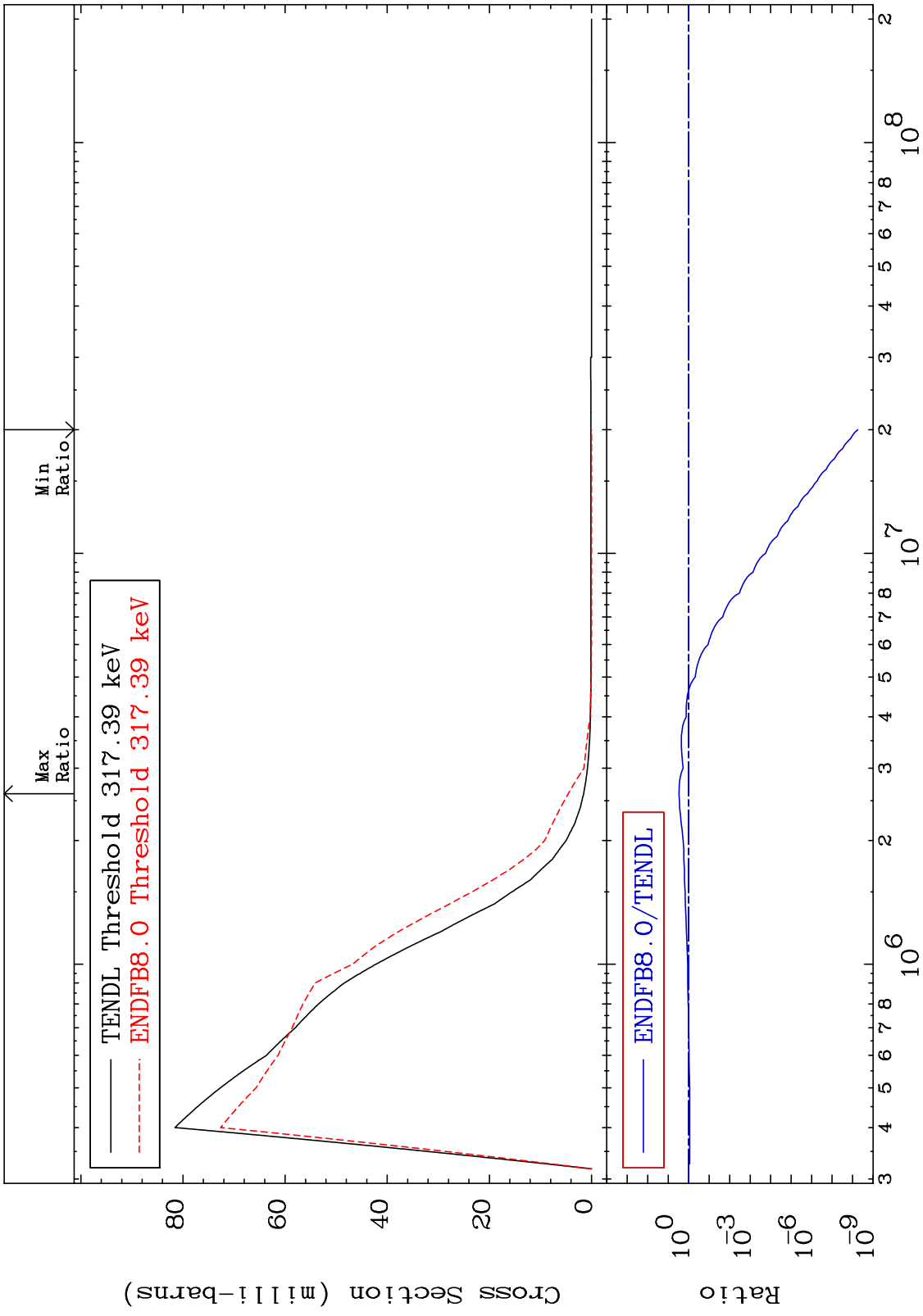
MAT 6246 MT= 66 (n,n') Level Cross Section 62-Sm-151
 -100.0 To 84.33 %



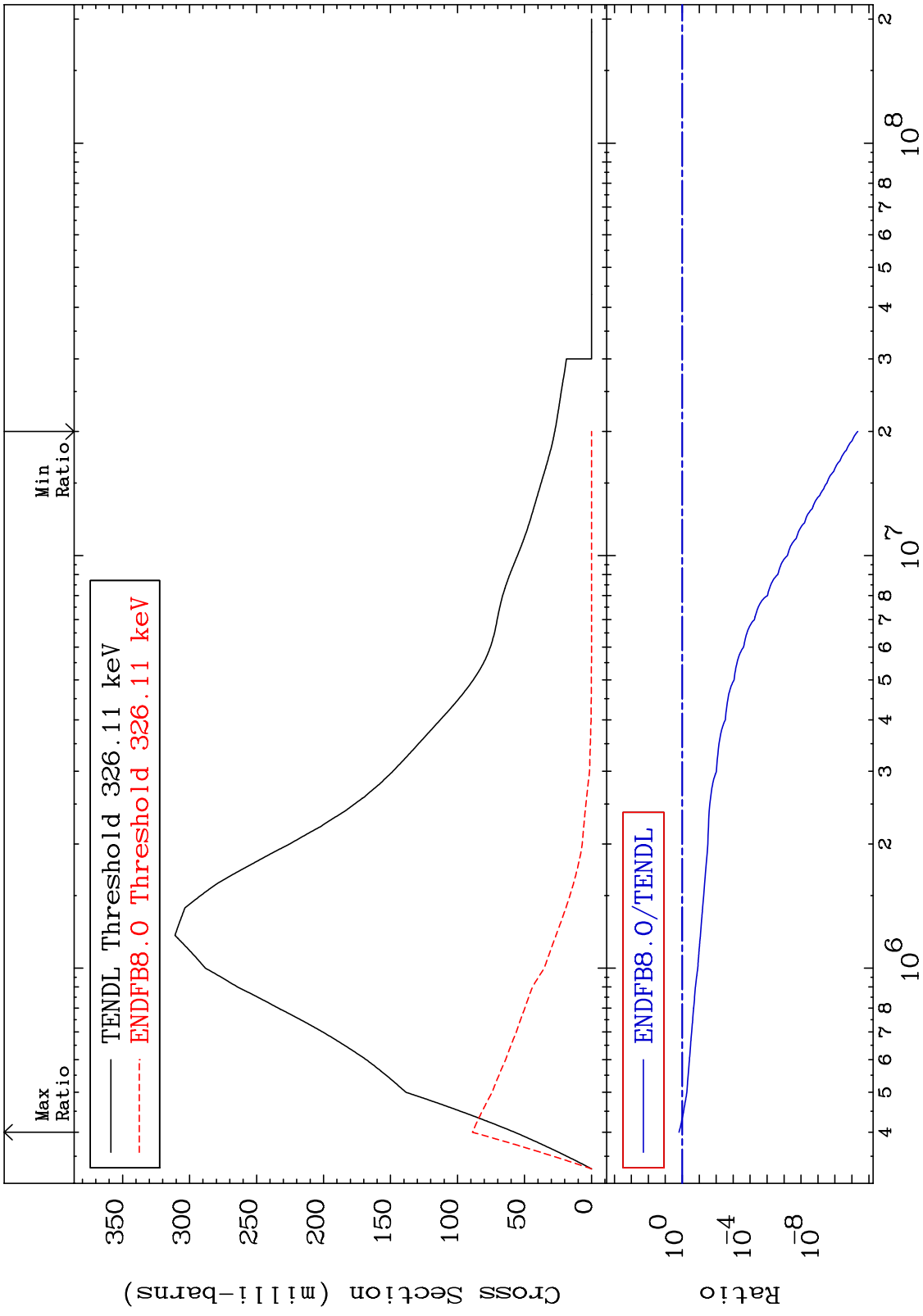
MAT 6246 MT= 67 (n,n') Level Cross Section 62-Sm-151
 -100.0 To 45.38 %



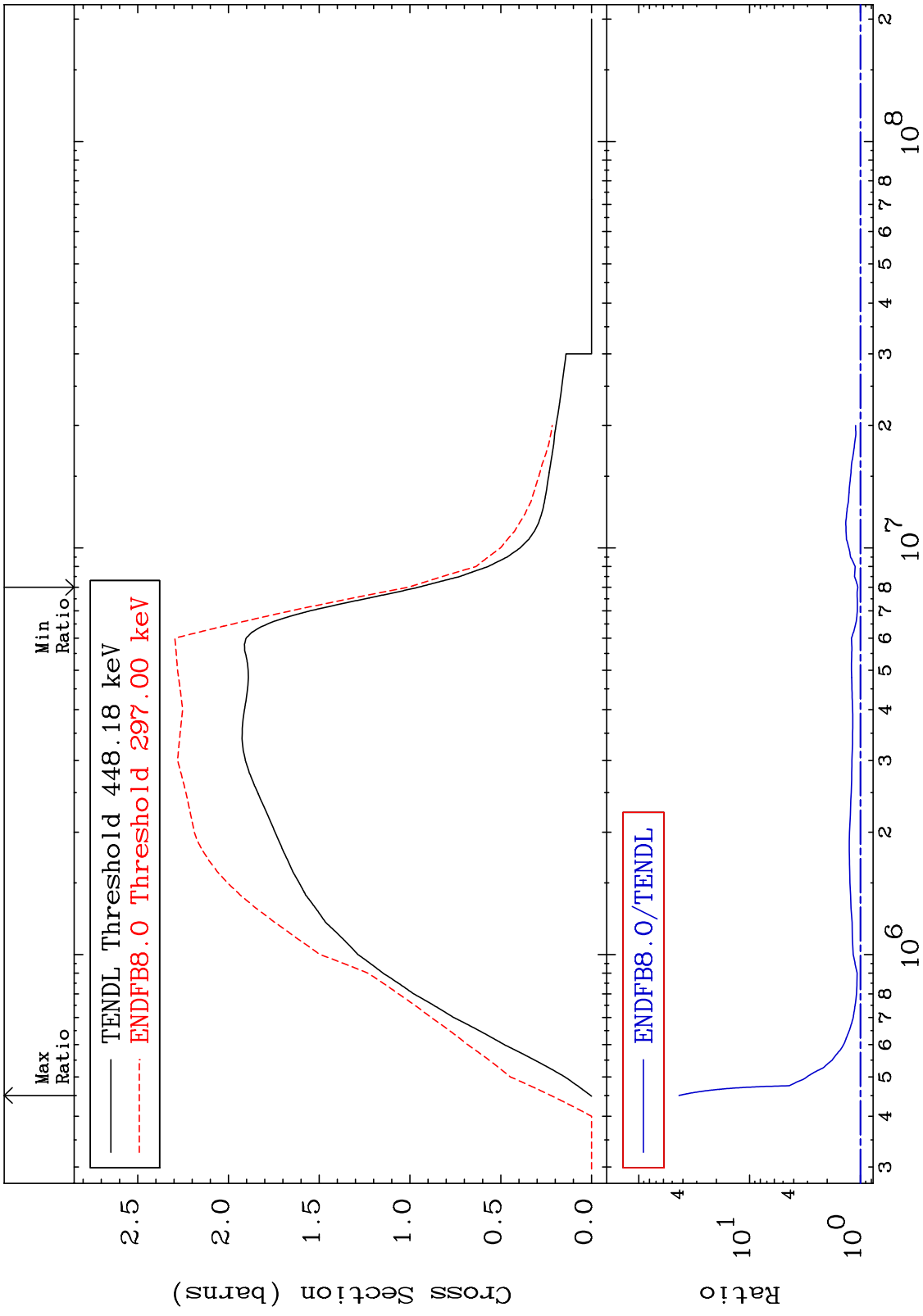
MAT 6246 MT= 68 (n,n') Level Cross Section 62-Sm-151 -100.0 To 195.7 %



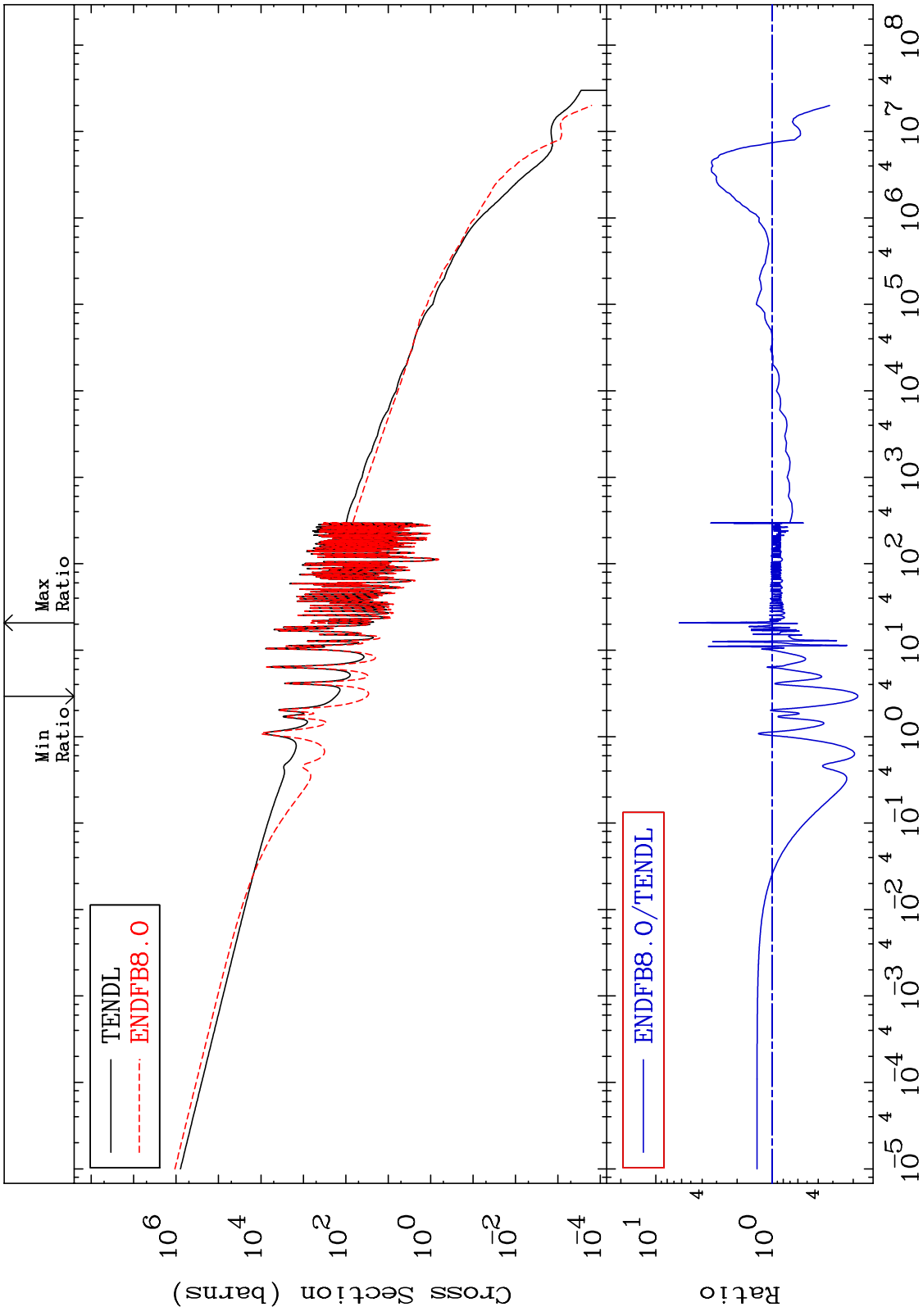
MAT 6246 MT= 69 (n,n') Level Cross Section 62-Sm-151 -100.0 To 54.99 %



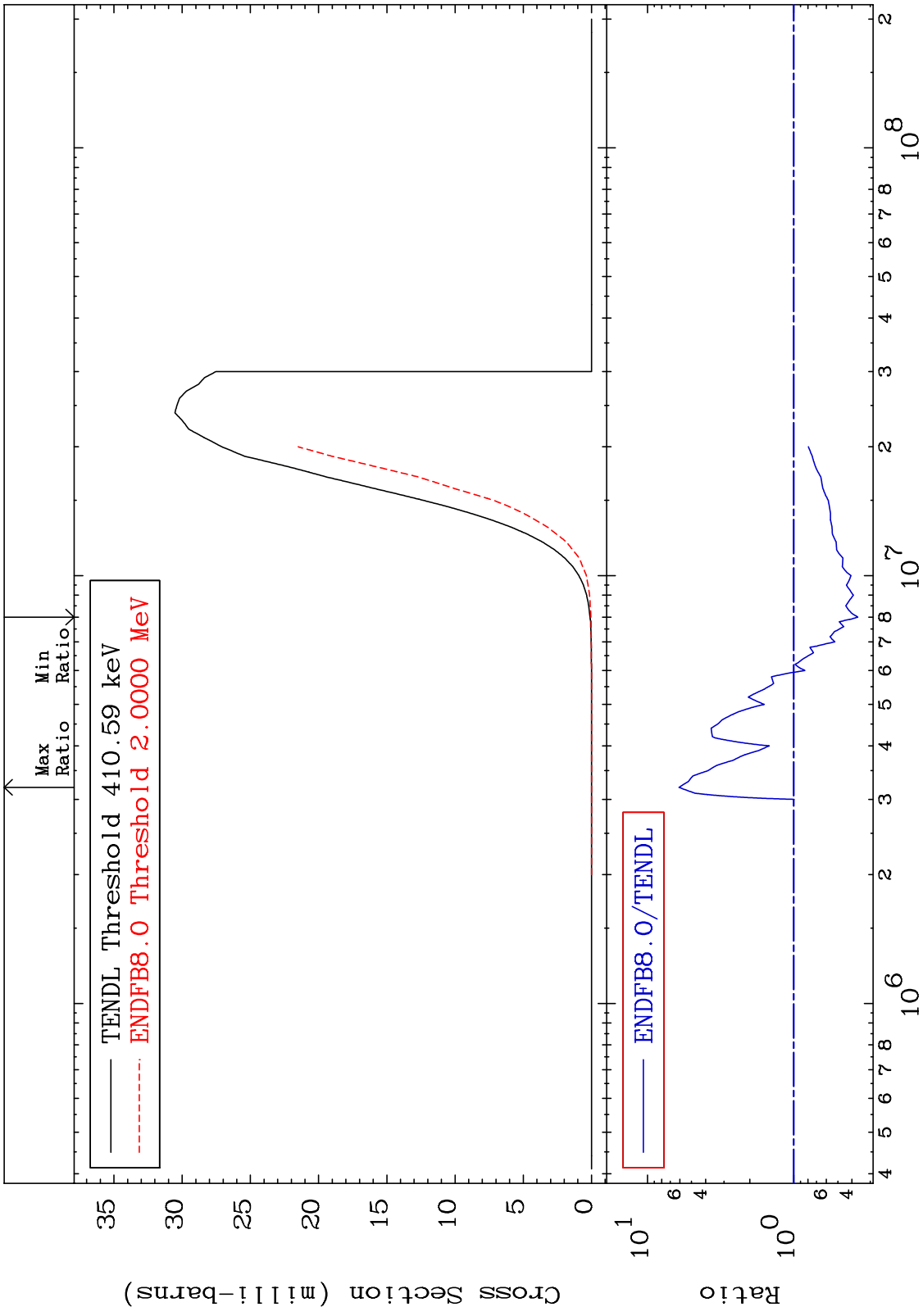
MAT 6246 (n,n') Continuum Cross Section 62-Sm-151 5.719 To 4234. %



MAT 6246 62-Sm-151
-81.75 To 531.8 %



MAT 6246 (n,p) Cross Section 62-Sm-151 -63.51 To 508.7 %



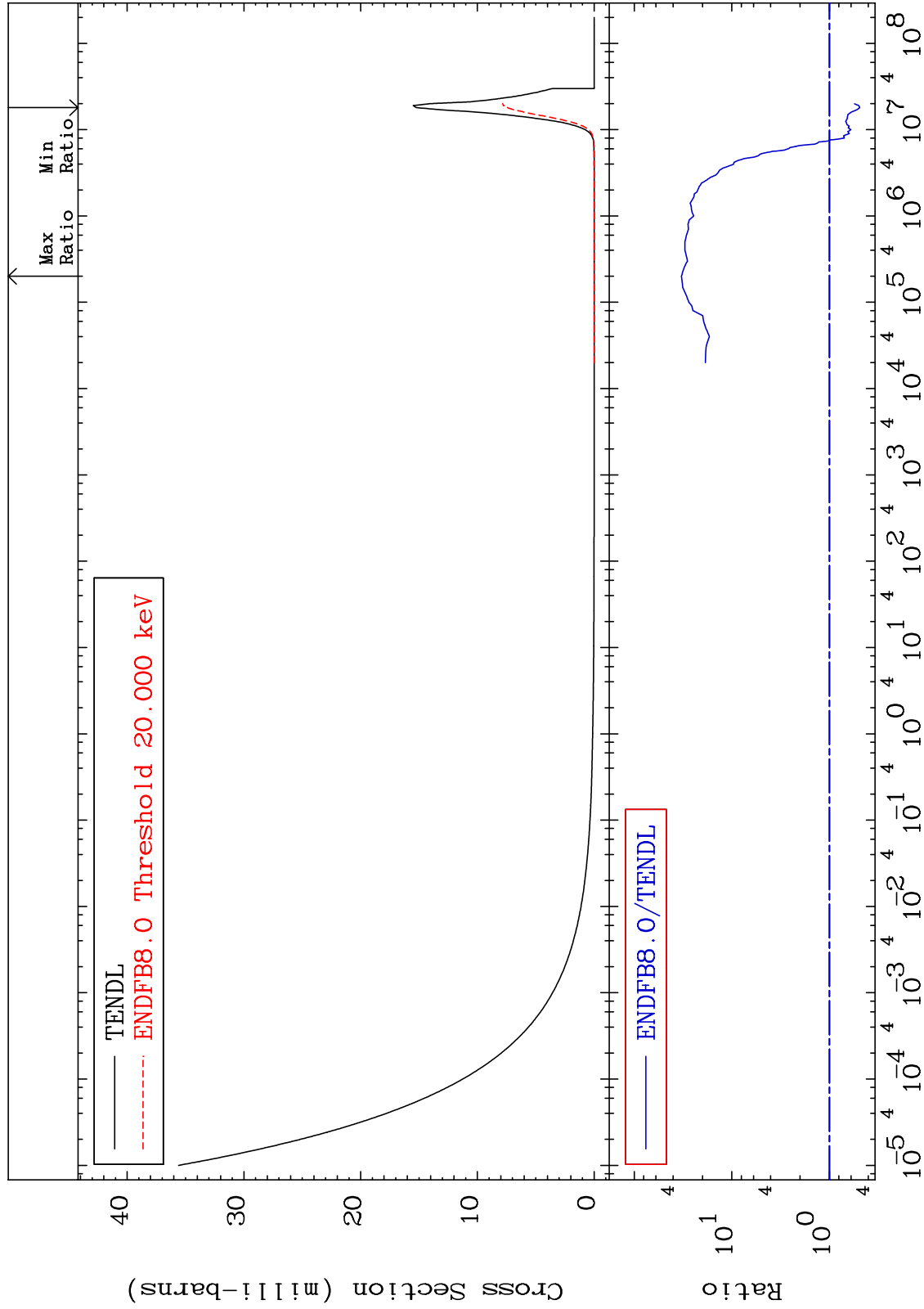
MAT 6246

(n, α)

62-Sm-151

Cross Section

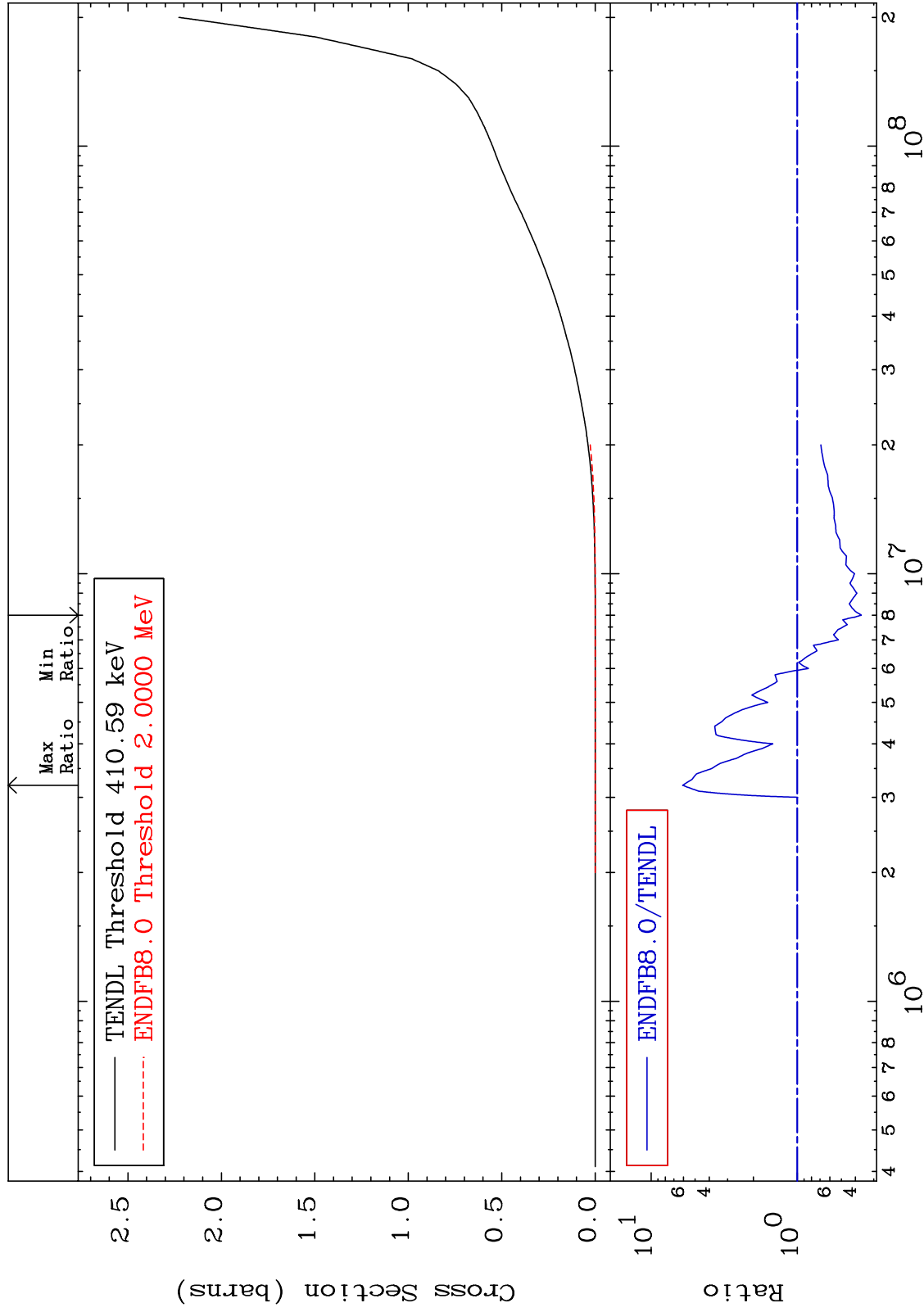
-51.16 To 3181. %



MAT 6246

Hydrogen Production
Cross Section

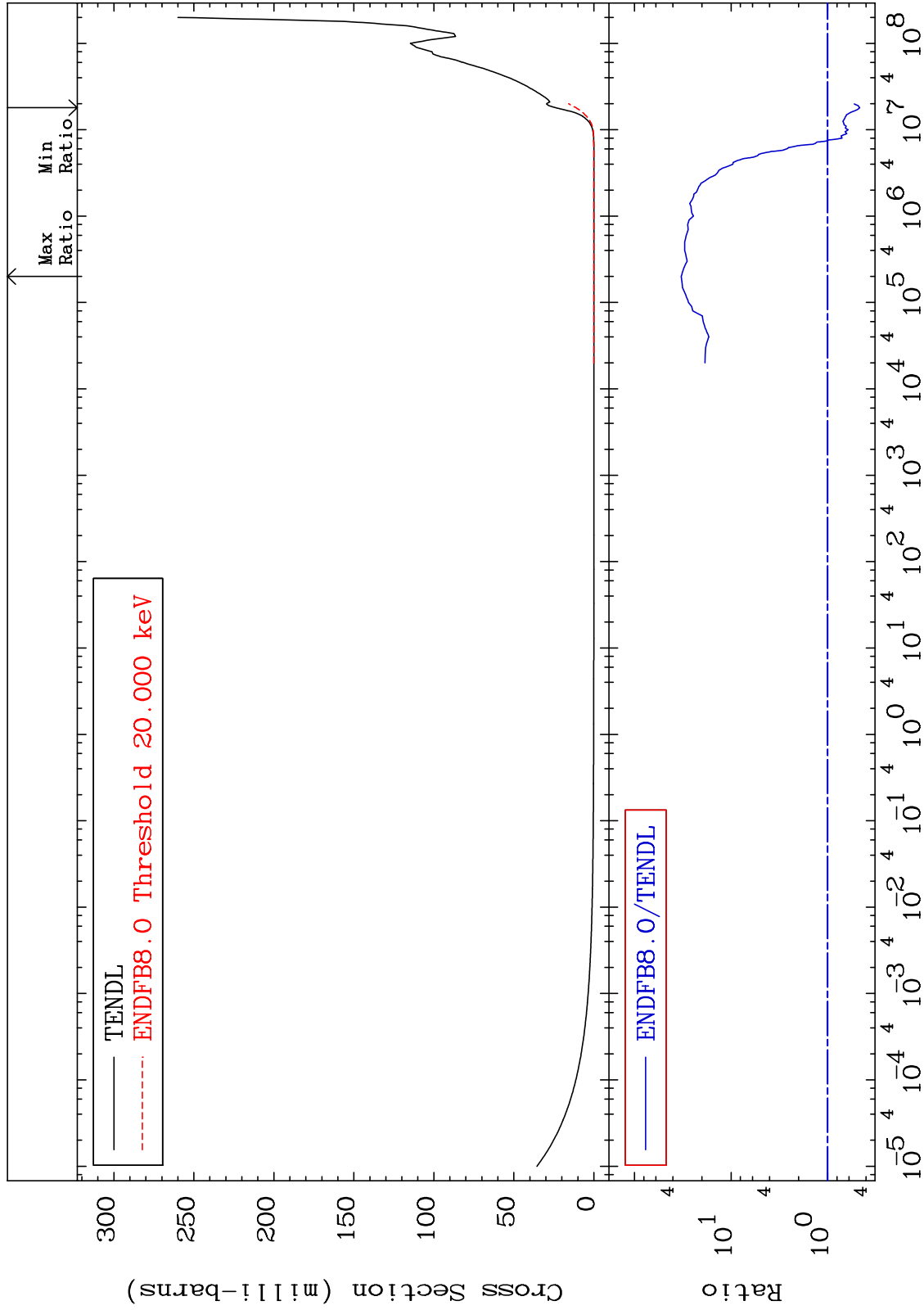
62-Sm-151
-63.51 To 508.7 %



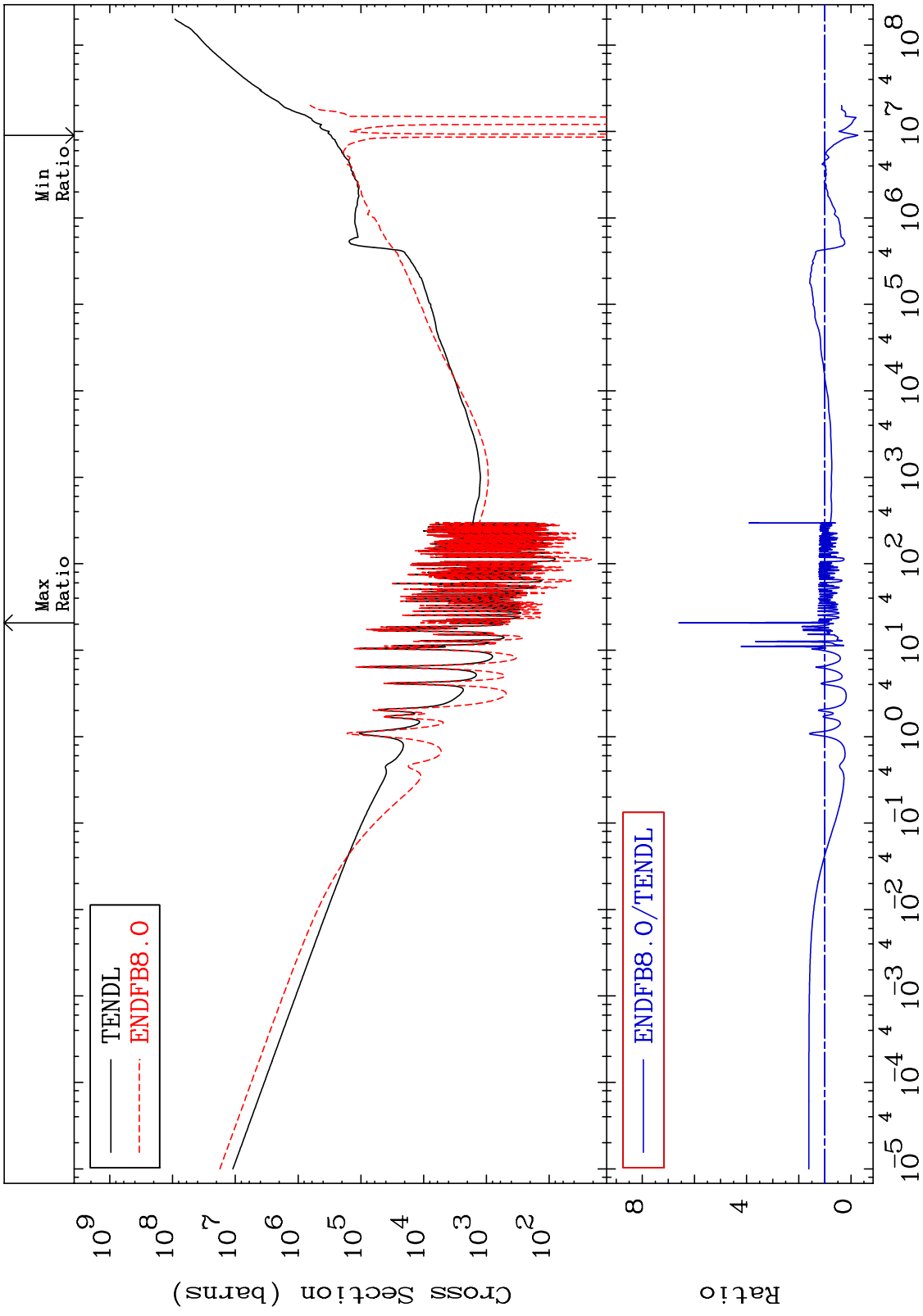
MAT 6246

He-4 Production
Cross Section

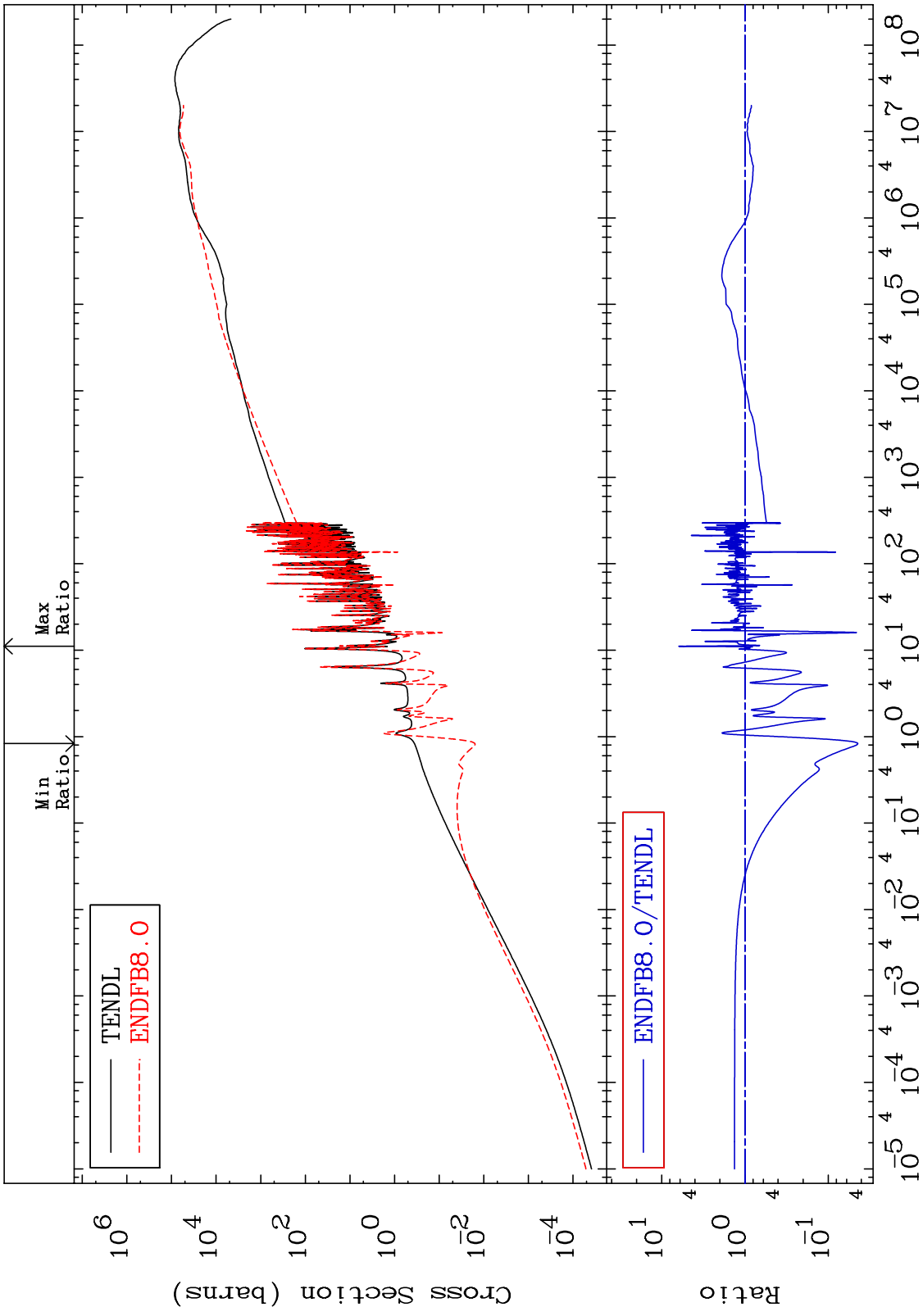
62-Sm-151
-53.55 To 3181. %



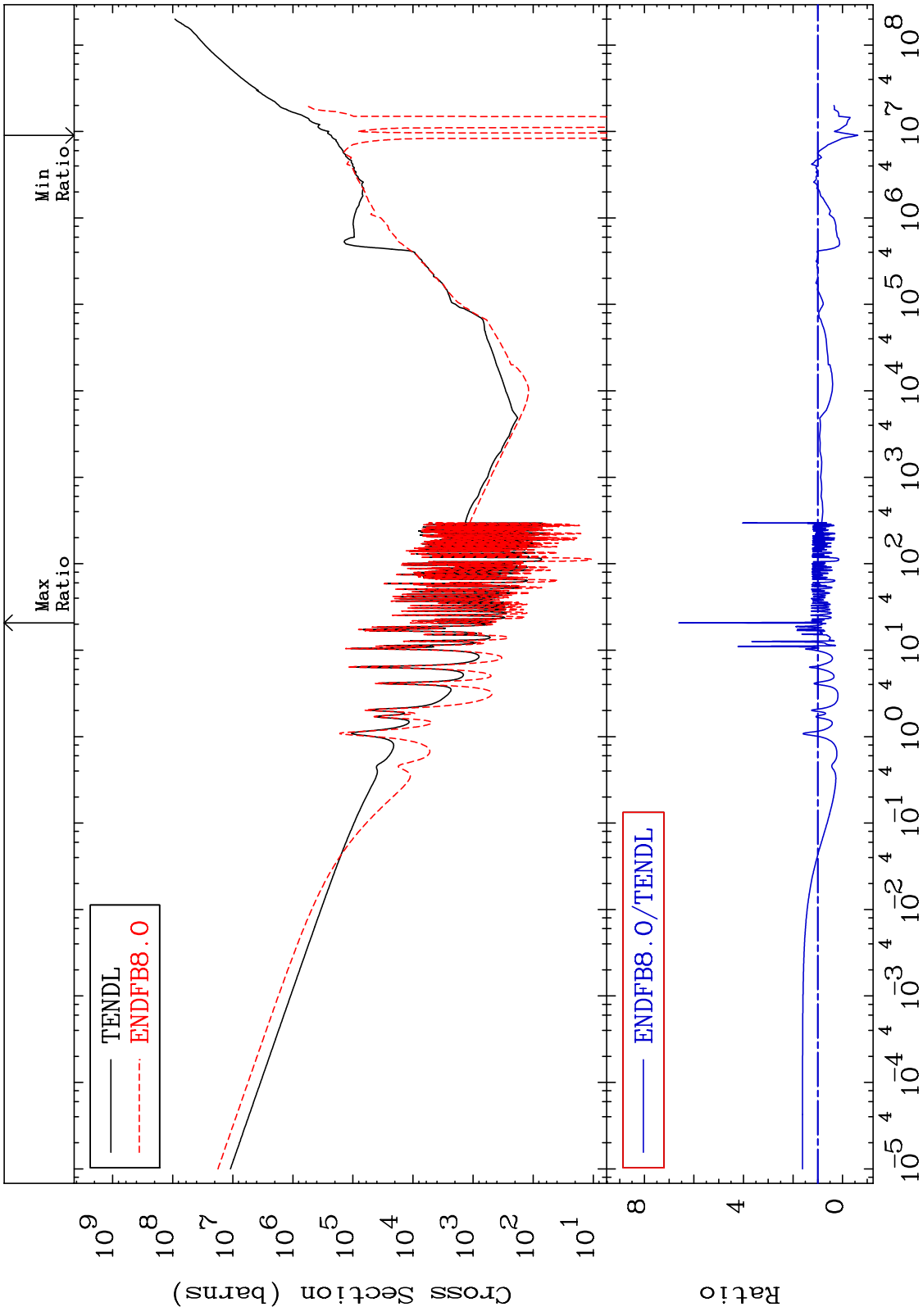
MAT 6246 Kerma total (eV-barns)
 Cross Section 62-Sm-151
 -126.4 To 559.1 %



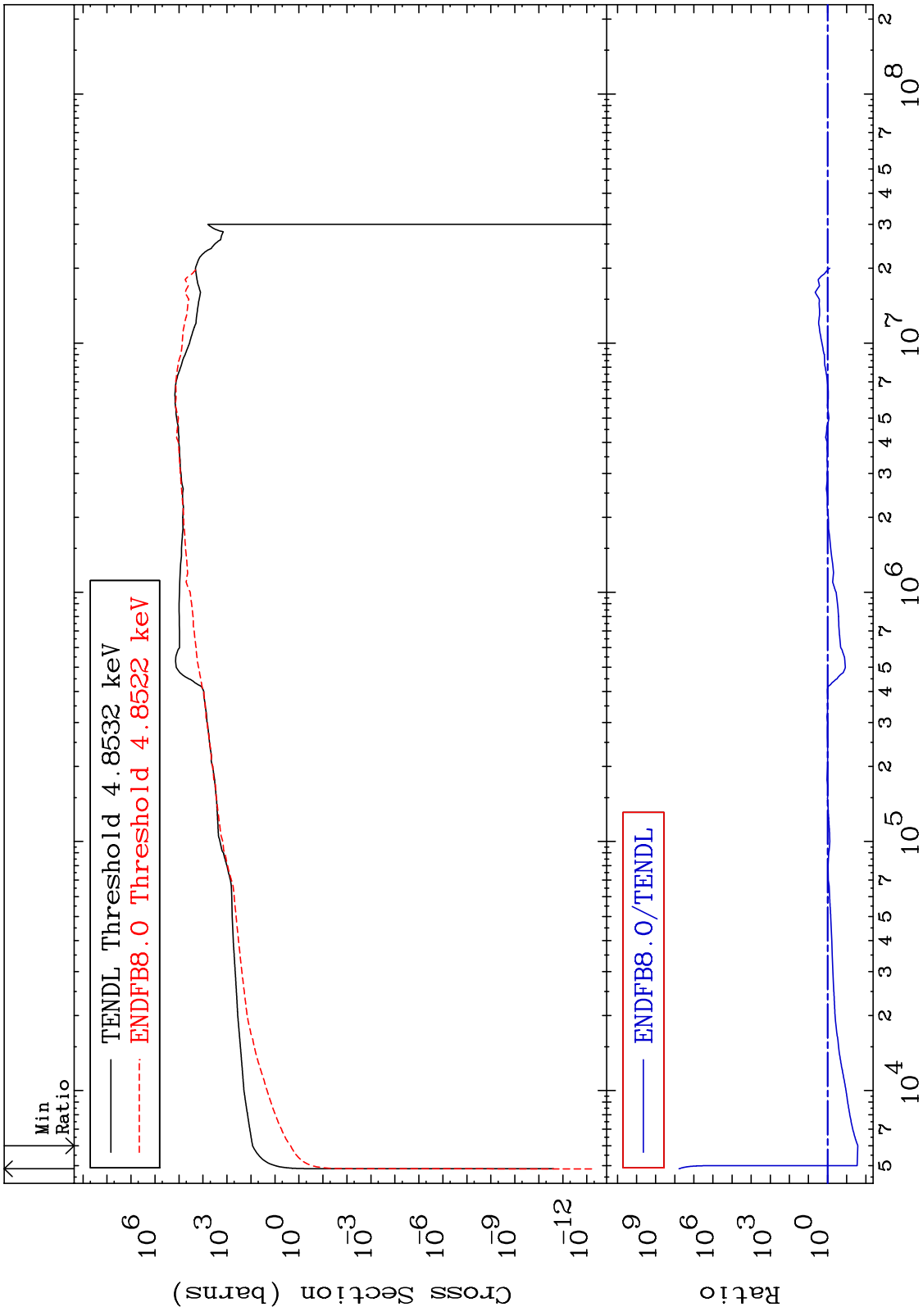
MAT 6246 62-Sm-151
-95.59 To 518.9 %
 Kerma elastic Cross Section



MAT 6246 Kerma non-elastic (all but mt2) 62-Sm-151
 -162.0 To 560.2 % Cross Section



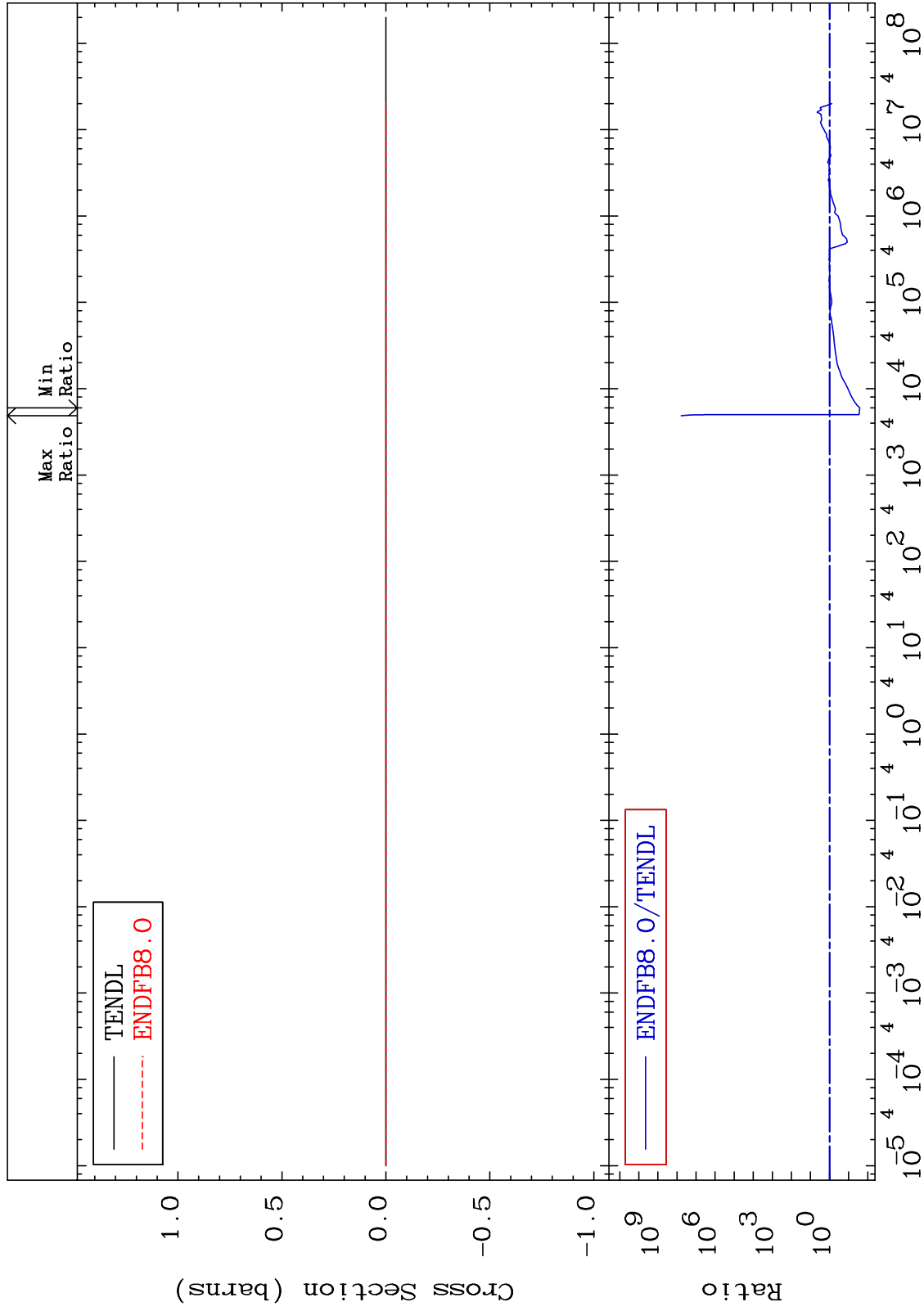
MAT 6246 Kerma inelastic (mt51-91) 62-Sm-151
 Cross Section -97.40 To 9999. %



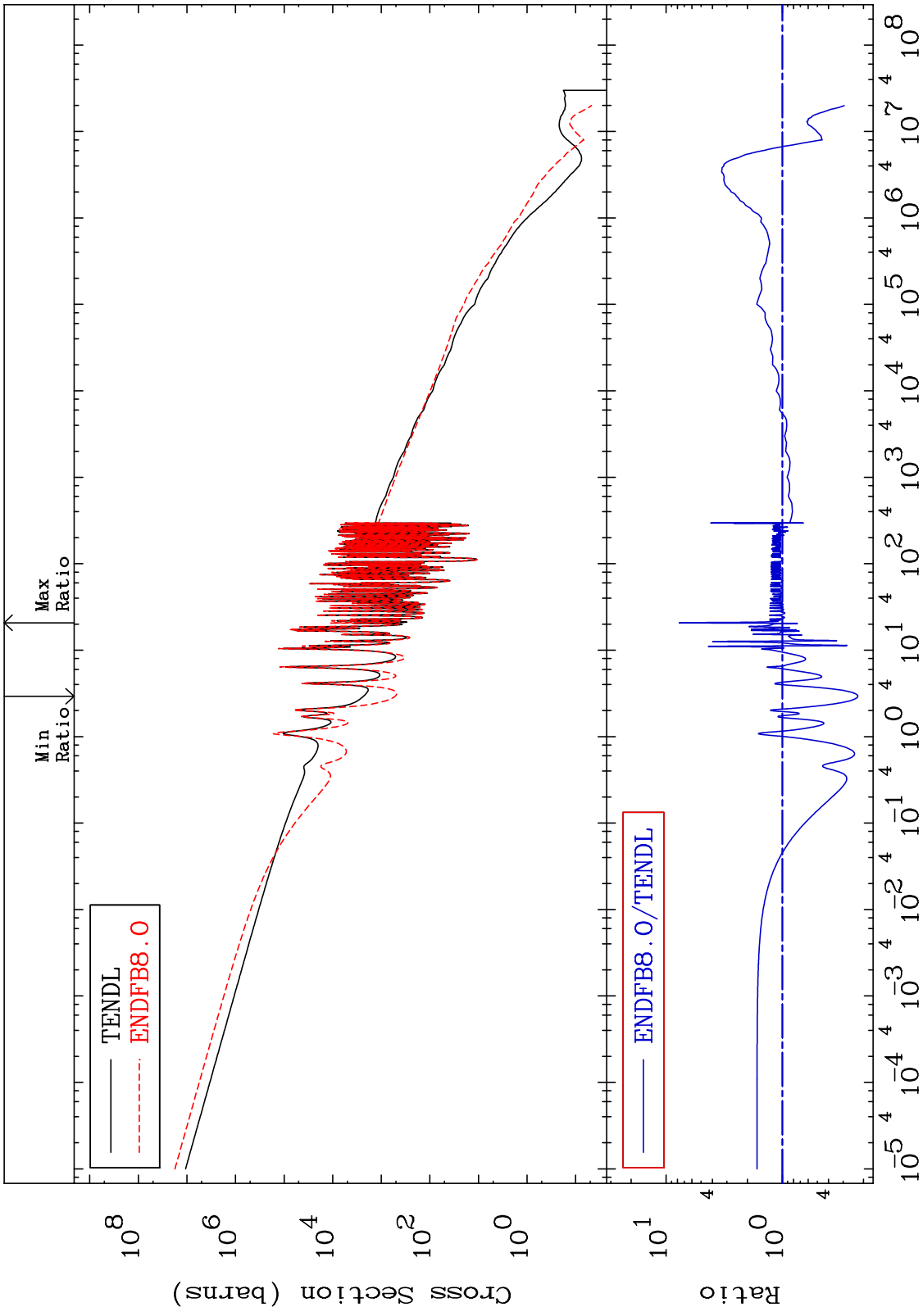
MAT 6246

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

62-Sm-151
-97.40 To 9999. %

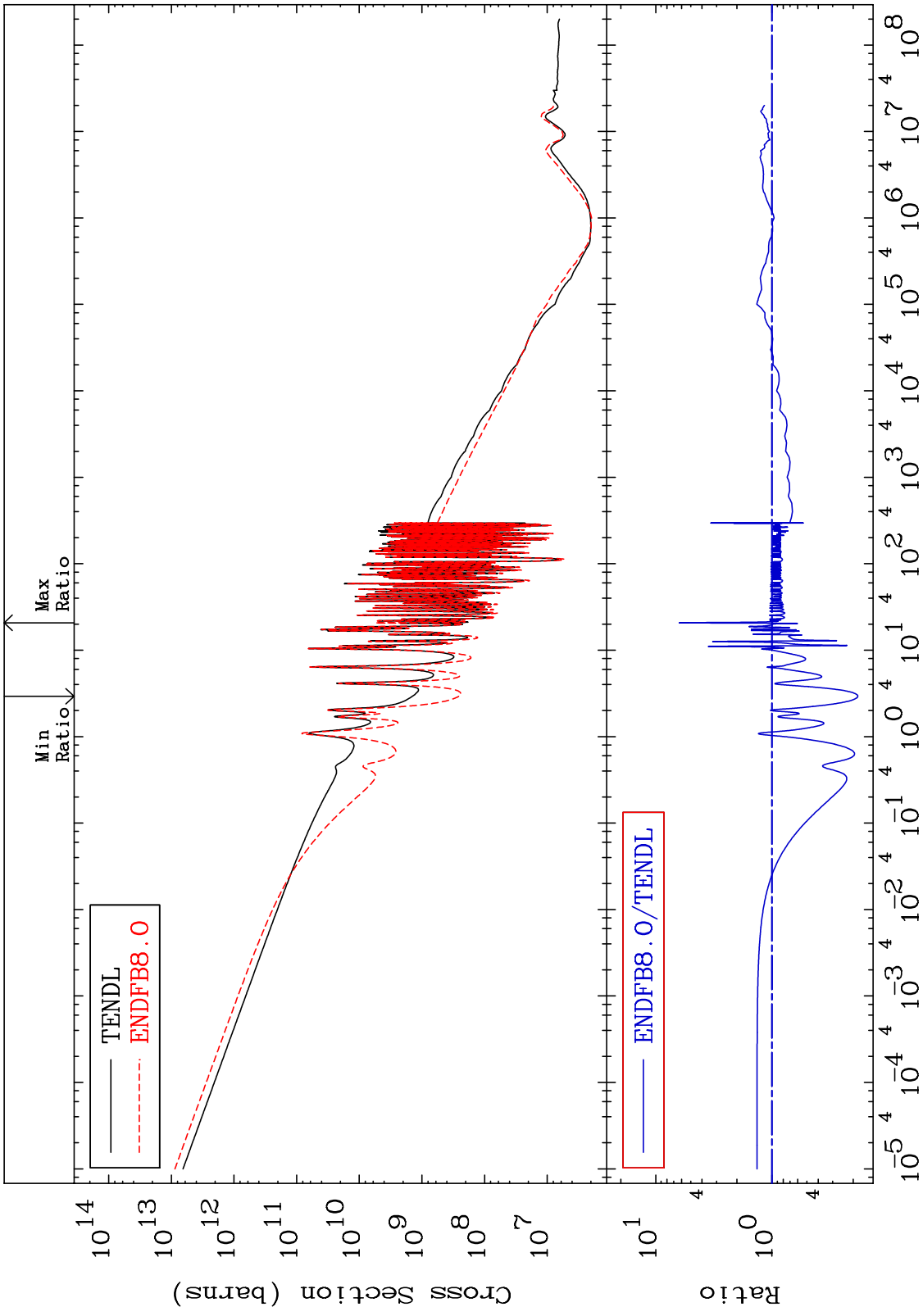


MAT 6246 Kerma capture (mt102) 62-Sm-151
 -77.62 To 674.7 %



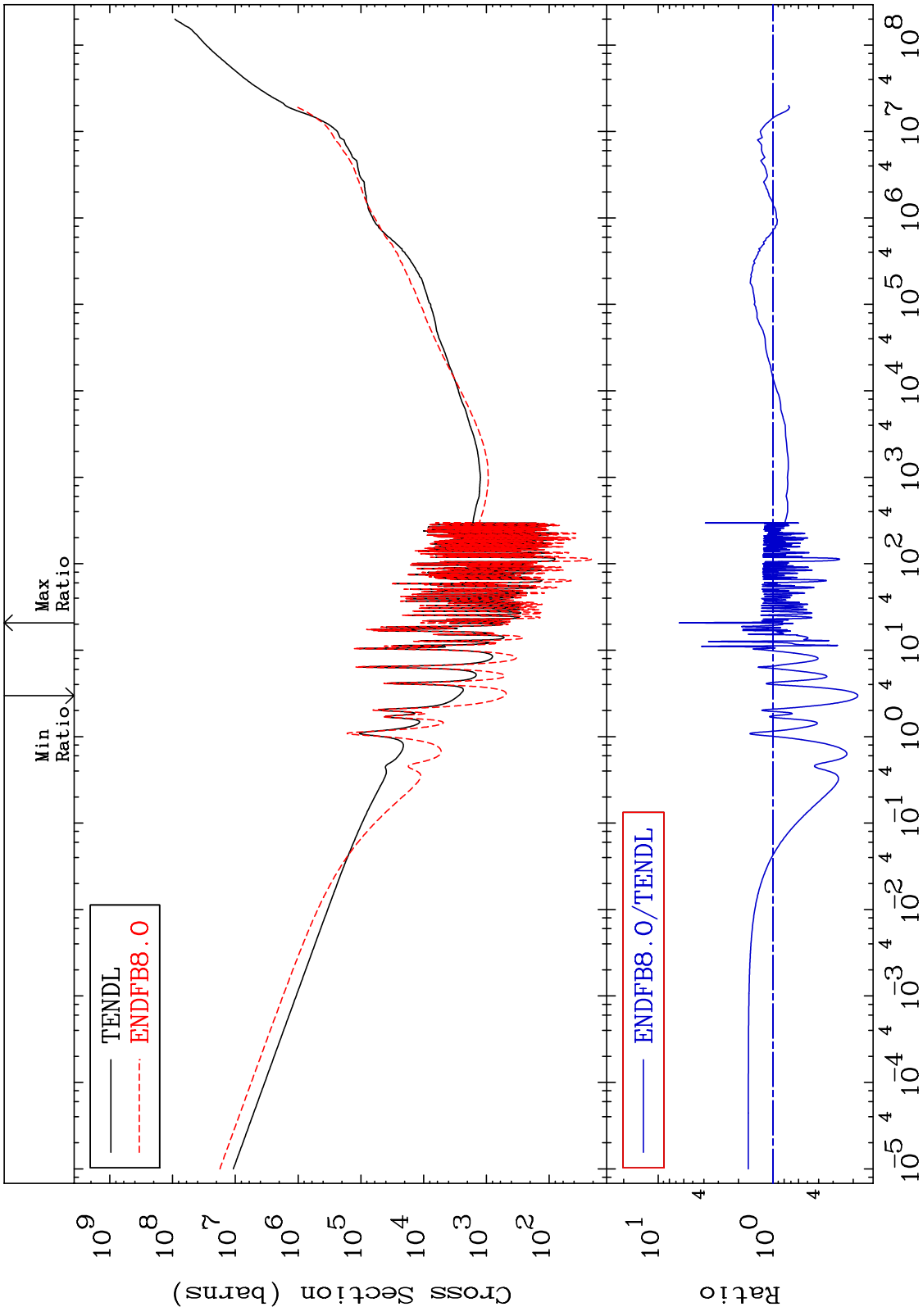
40 Incident Energy (eV) 62-Sm-151

MAT 6246 62-Sm-151
-81.78 To 530.8 %
 Total photon (eV-barns)
 Cross Section

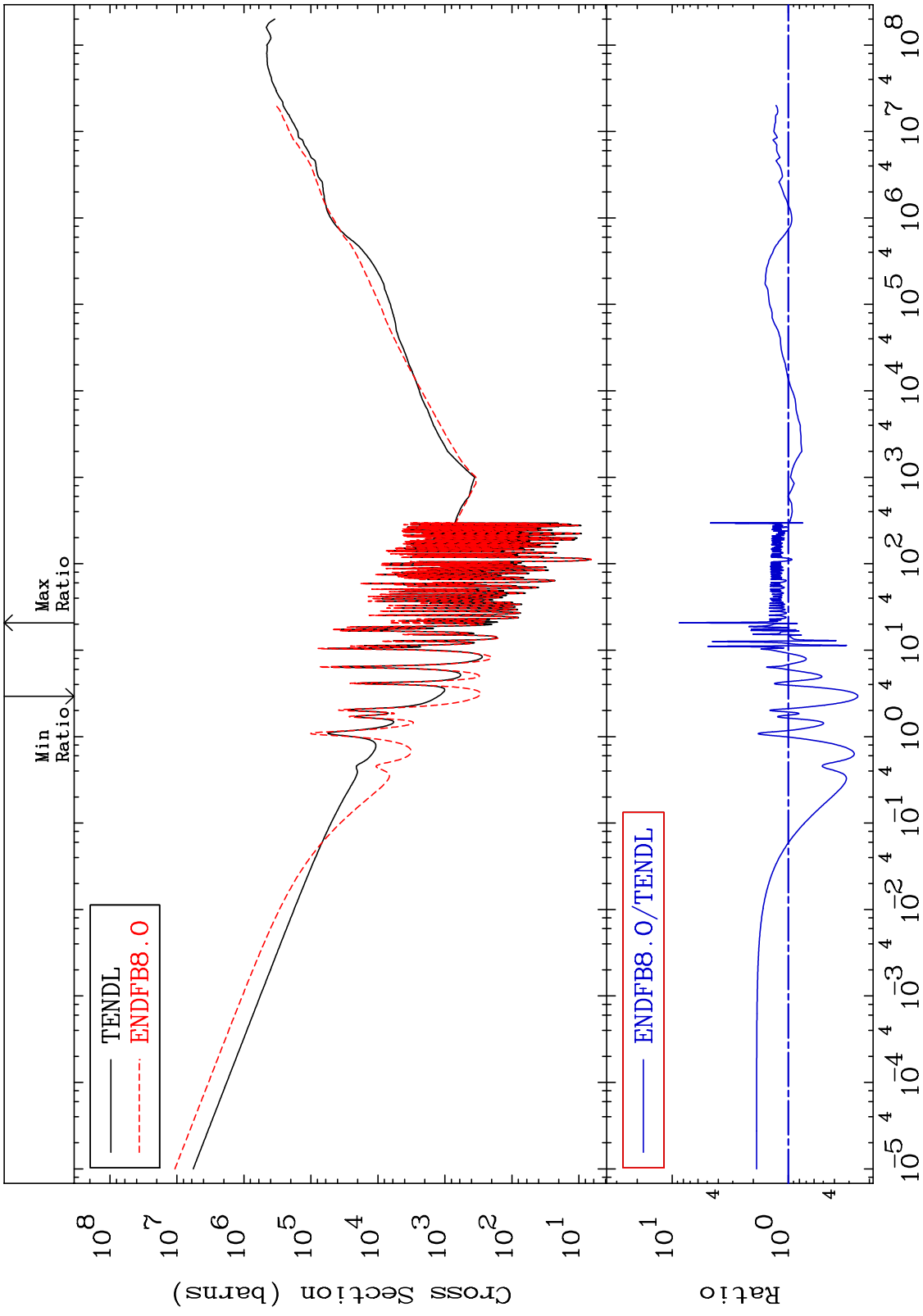


Incident Energy (eV) 62-Sm-151

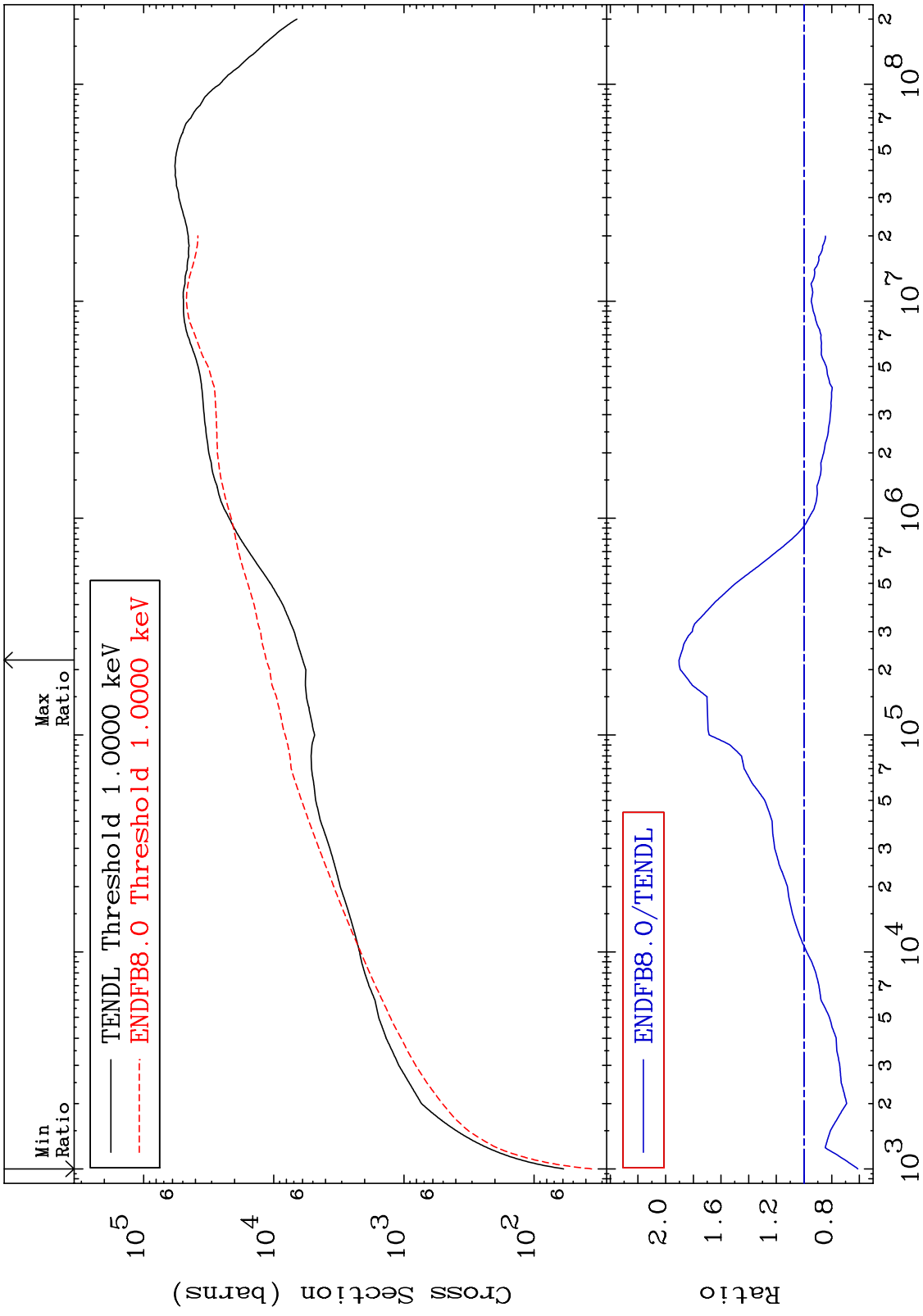
MAT 6246 Total kinematic kerma (high limit) 62-Sm-151
Cross Section -81.75 To 558.5 %



MAT 6246 Dpa total (eV-barns) 62-Sm-151
 Cross Section -74.85 To 772.0 %

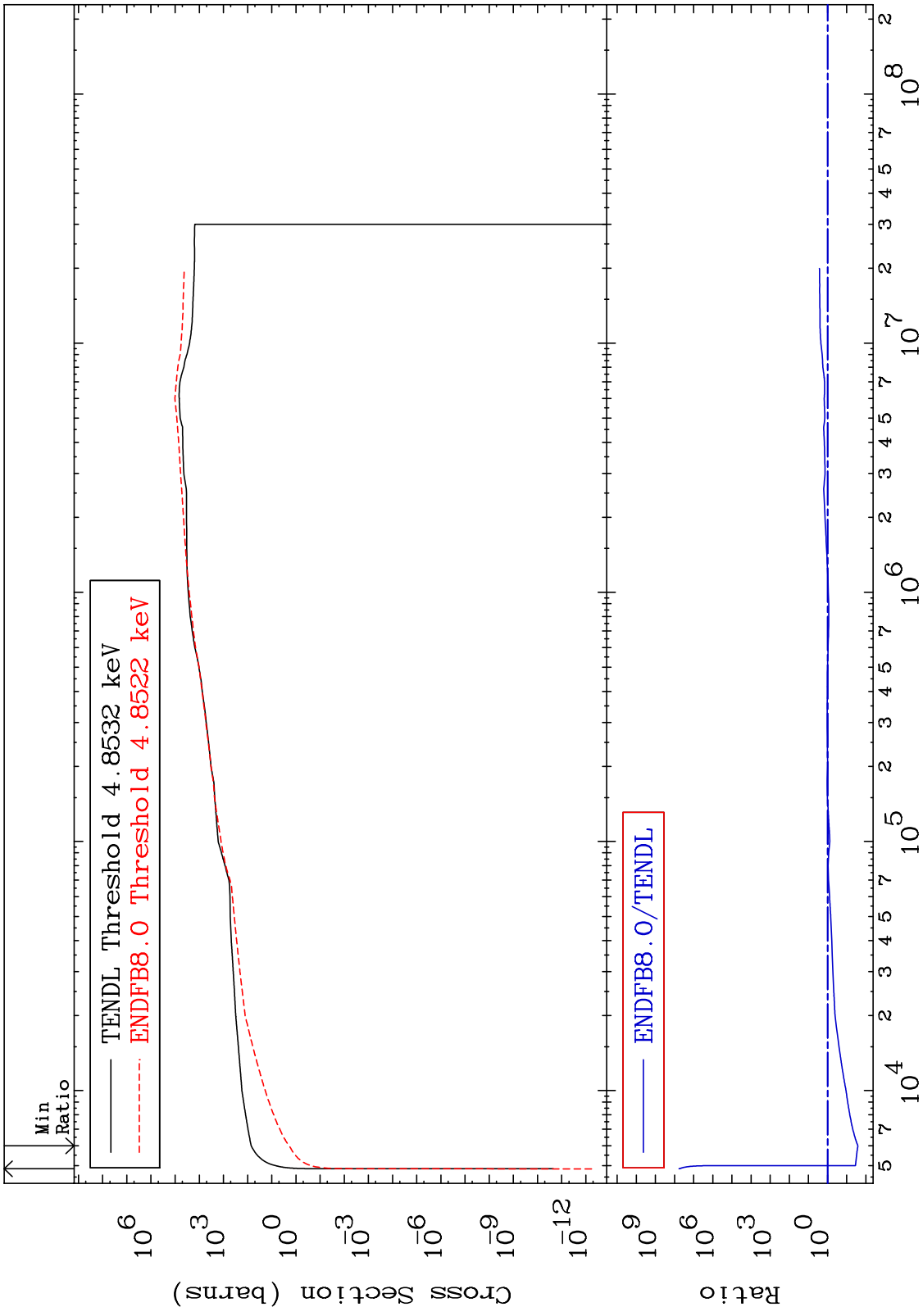


MAT 6246 62-Sm-151
-38.91 To 90.30 %
 Dpa elastic (mt2)
 Cross Section



44 62-Sm-151

MAT 6246 Dpa inelastic (mt51-91) 62-Sm-151
 Cross Section -97.40 To 9999. %



MAT 6246 Dpa disappearance (mt102 -120) 62-Sm-151
 Cross Section -74.85 To 772.0 %

