

Program Complot
(Version 2018-1)

by

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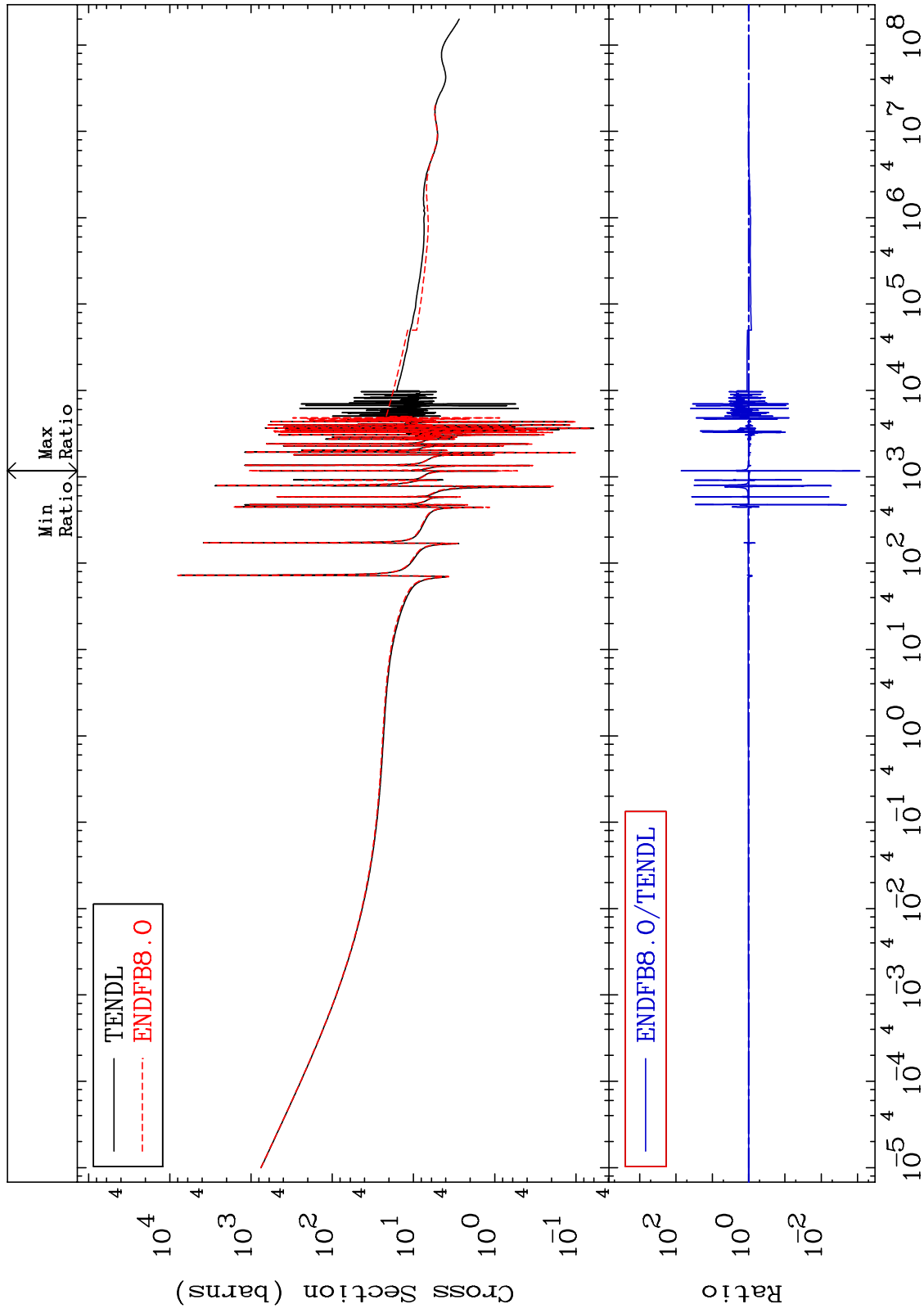
Press Mouse Button to Start

MAT 7243

Total
Cross Section

72-Hf-180

-99.91 To 7077. %

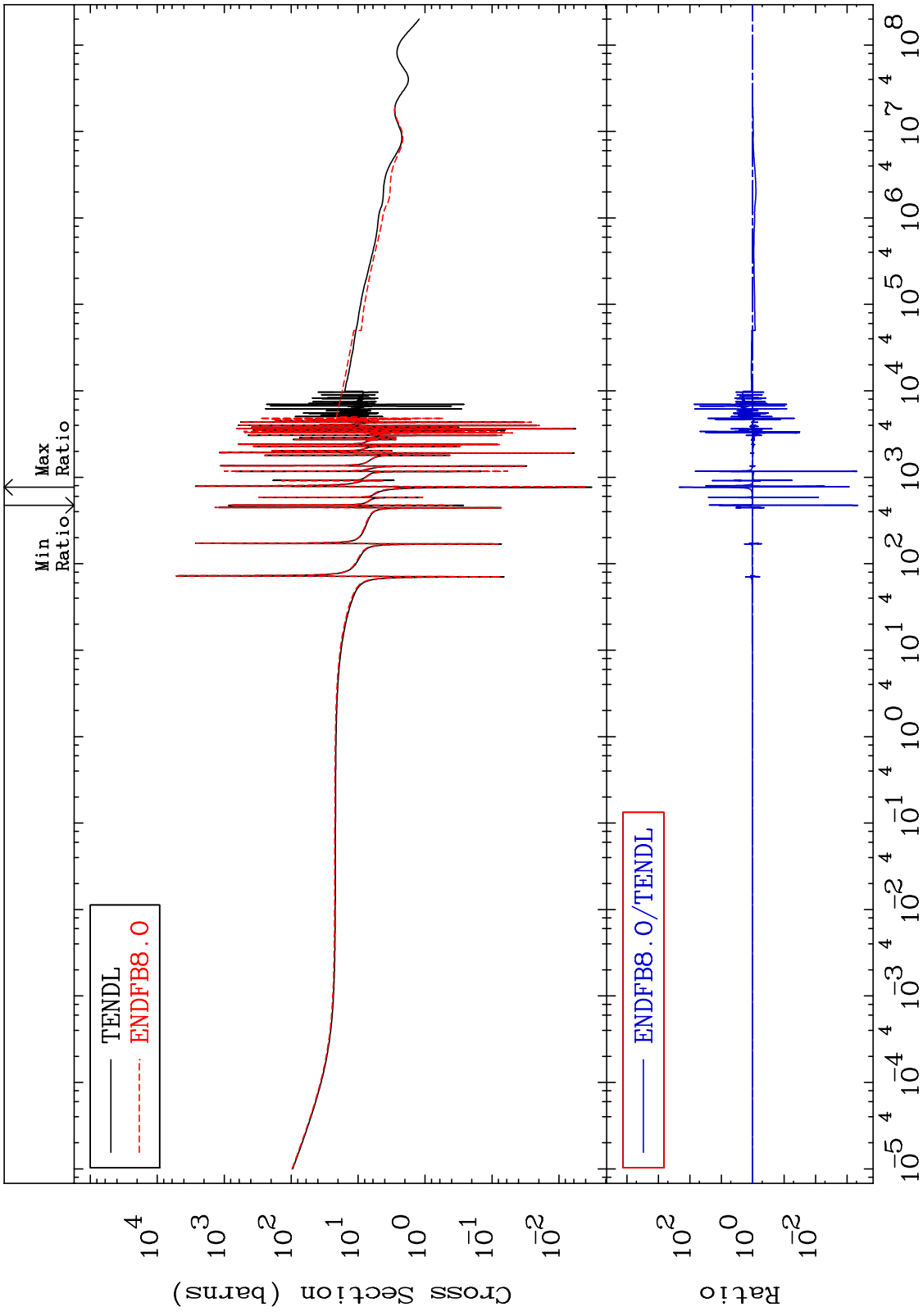


Incident Energy (eV)

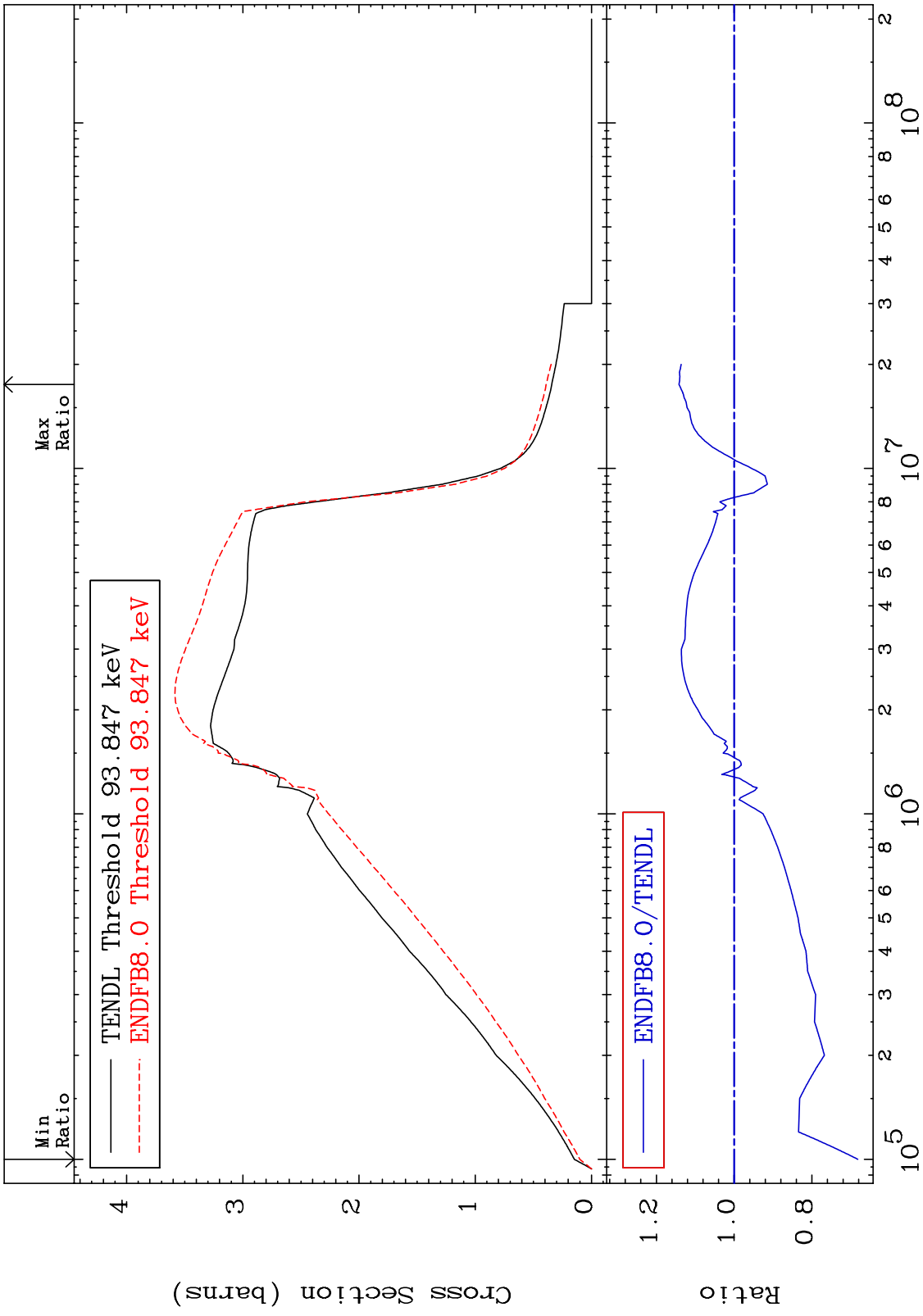
72-Hf-180

1

MAT 7243 Elastic Cross Section 72-Hf-180 -99.95 To 9999. %

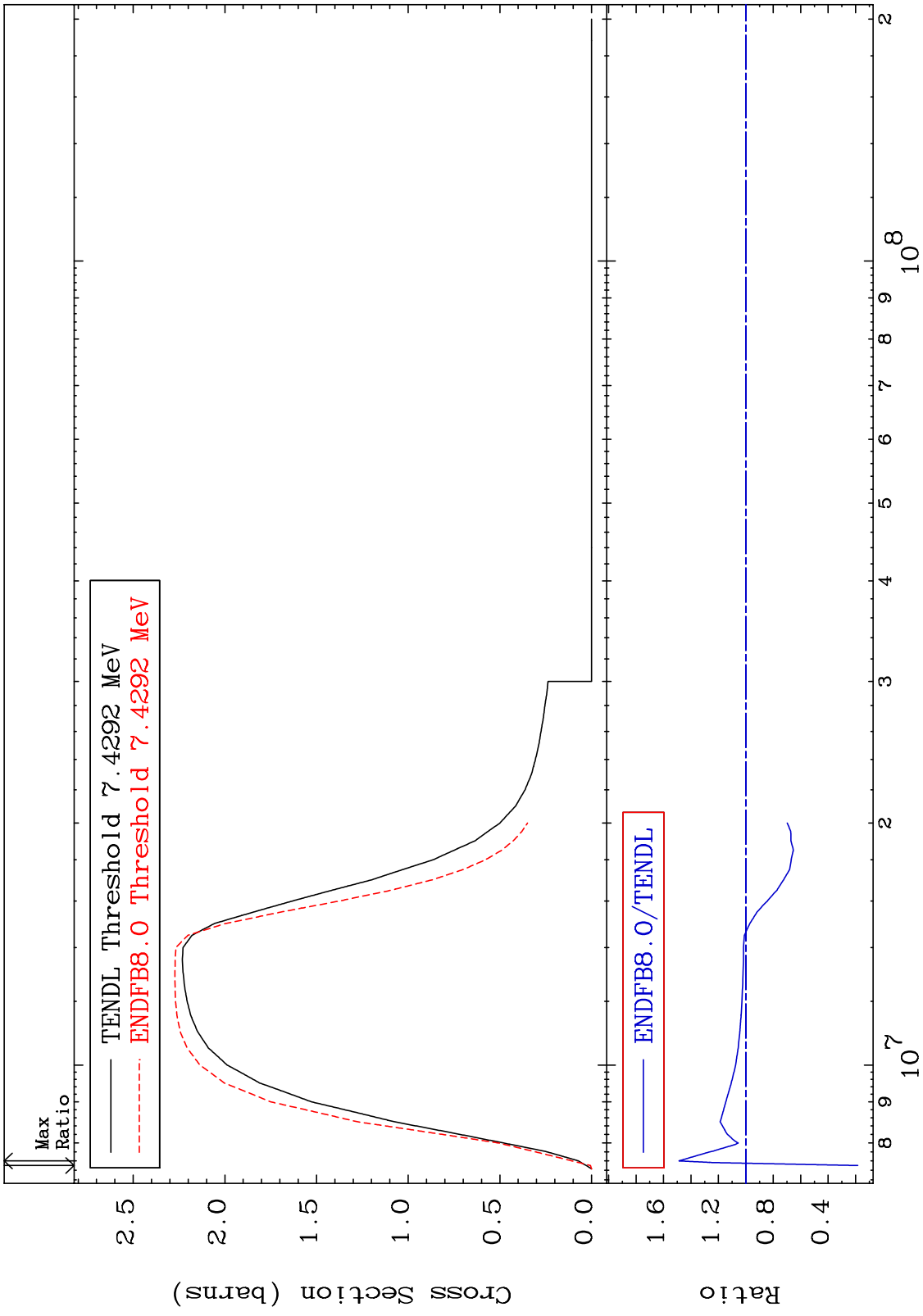


MAT 7243 Inelastic Cross Section 72-Hf-180 -31.80 To 14.17 %

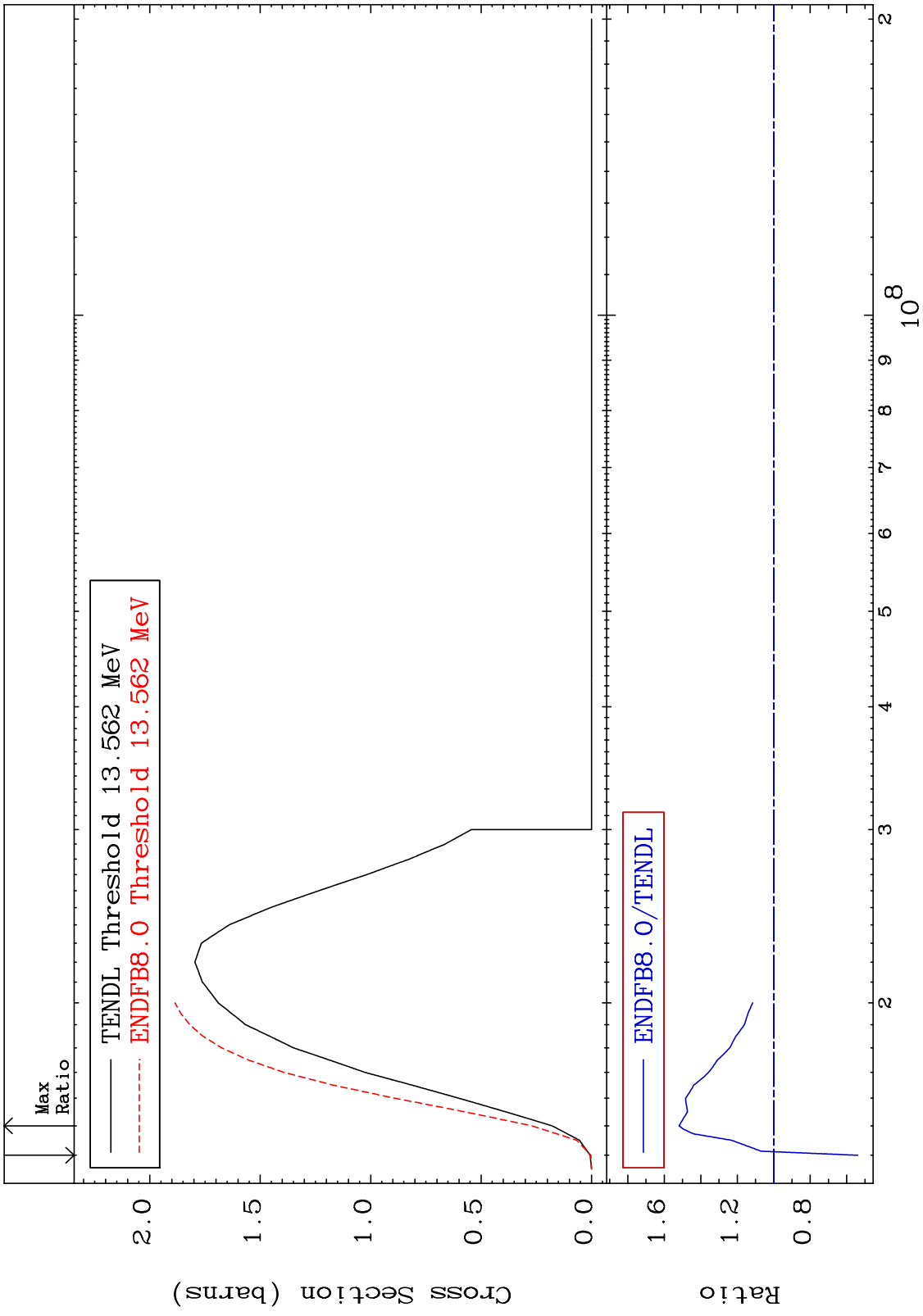


72-Hf-180

MAT 7243 (n,2n) Cross Section 72-Hf-180 -81.63 To 48.67 %



MAT 7243 (n,3n) Cross Section 72-Hf-180 -46.10 To 51.92 %



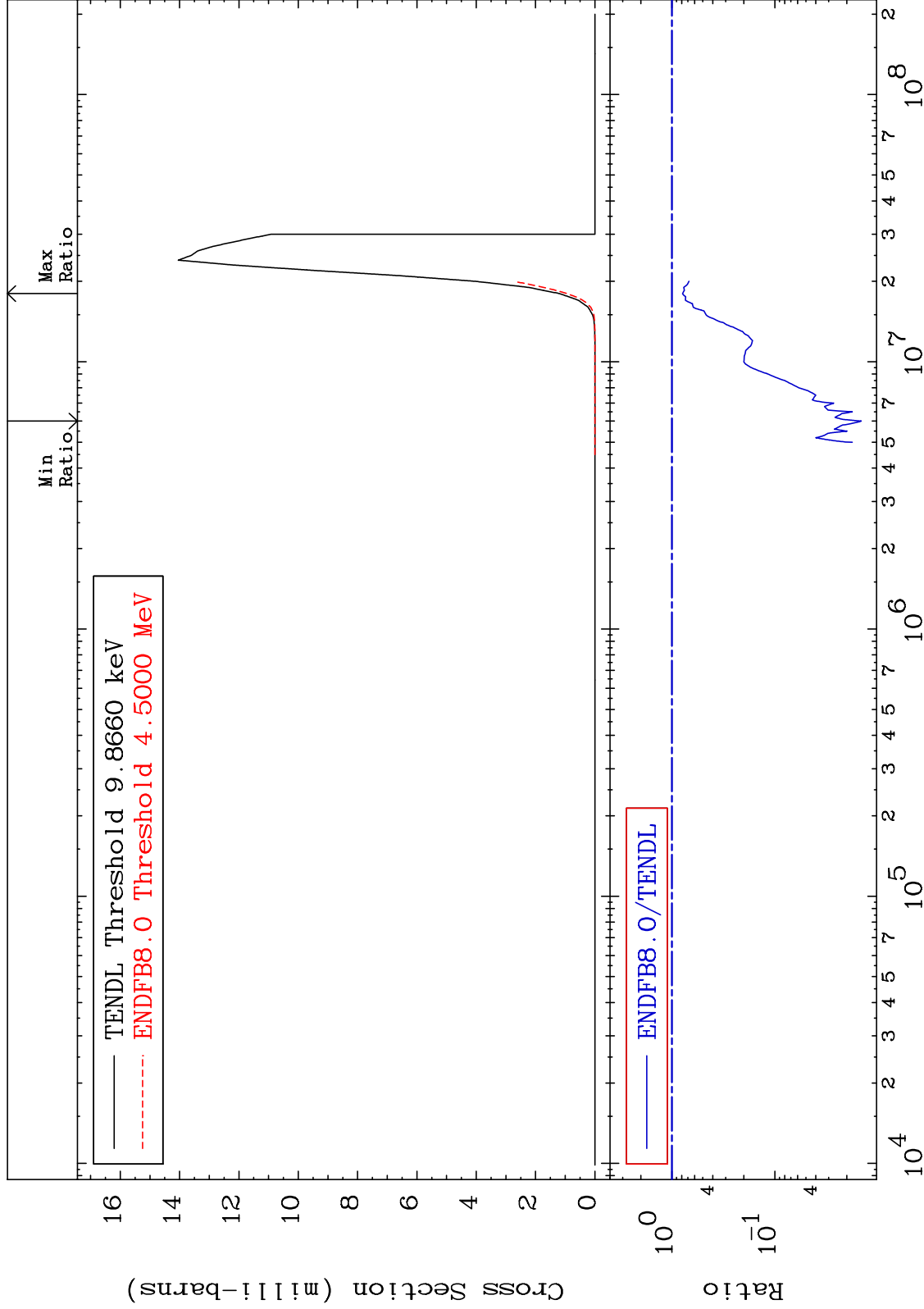
MAT 7243

(n, n') α

72-Hf-180

Cross Section

-98.55 To -21.19%

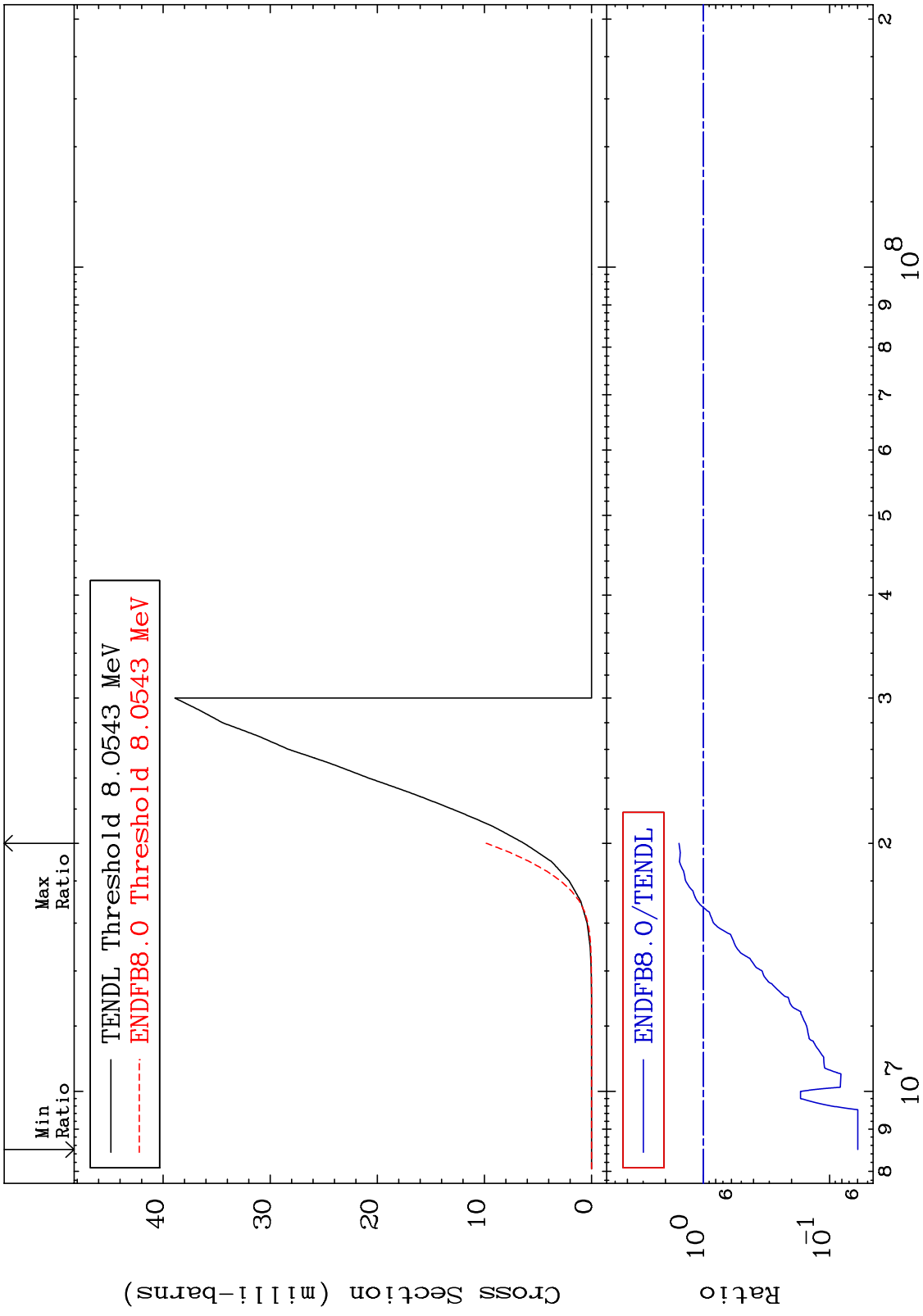


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Incident Energy (eV)

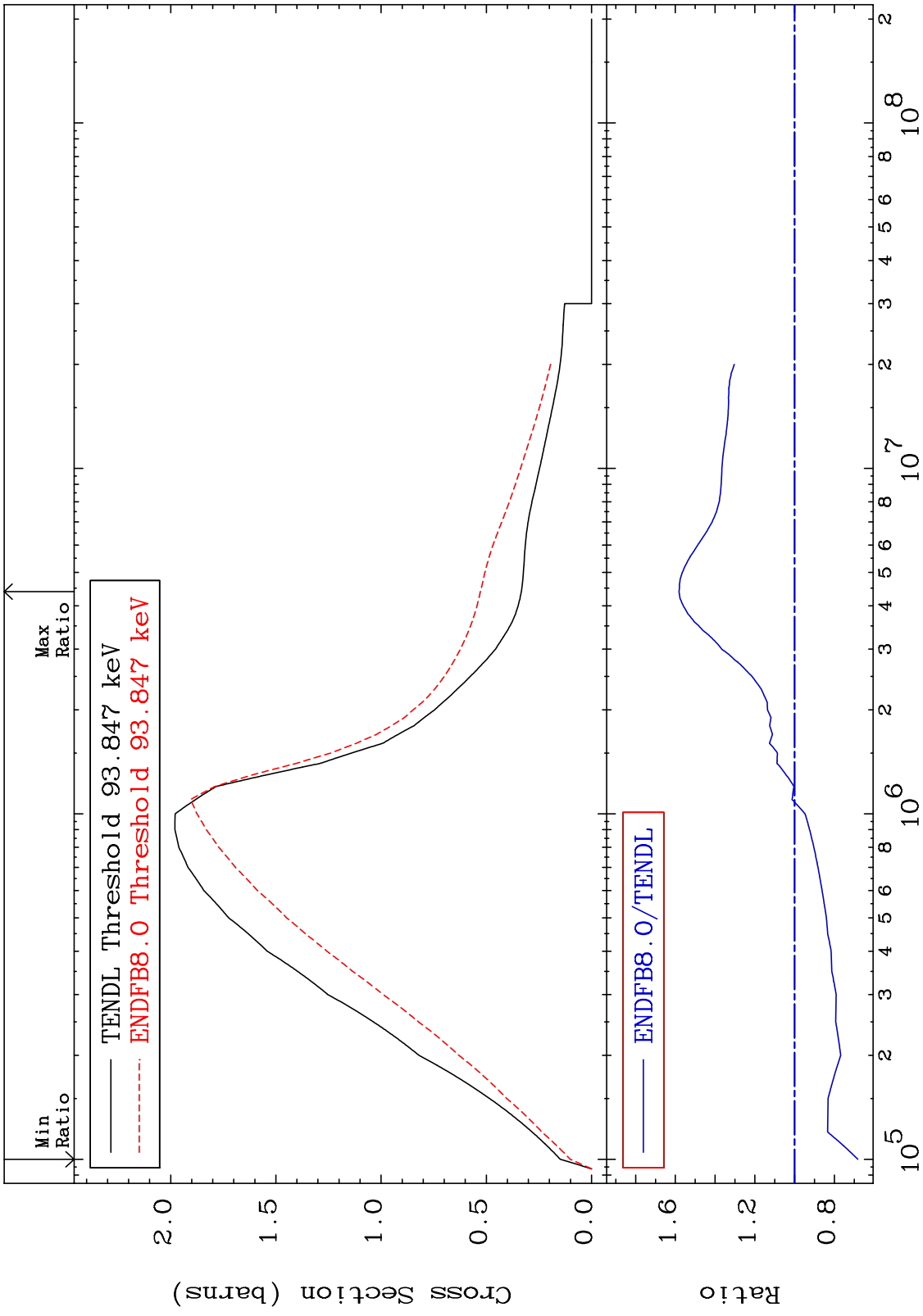
72-Hf-180

MAT 7243 72-Hf-180
 (n,n') p -94.03 To 55.89 %
 Cross Section



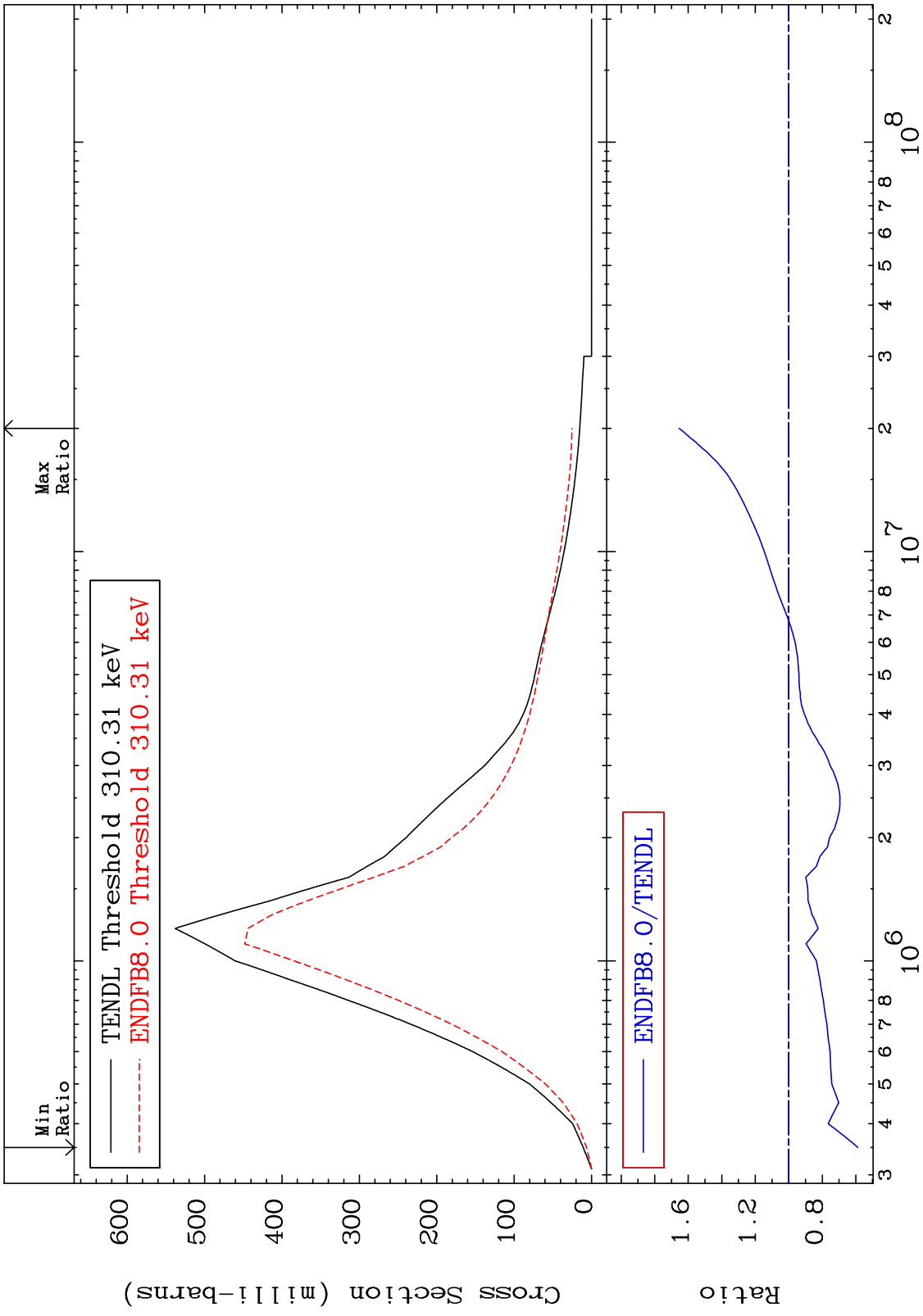
72-Hf-180

MAT 7243 MT= 51 (n,n') Level 72-Hf-180
 Cross Section -31.80 To 58.15 %



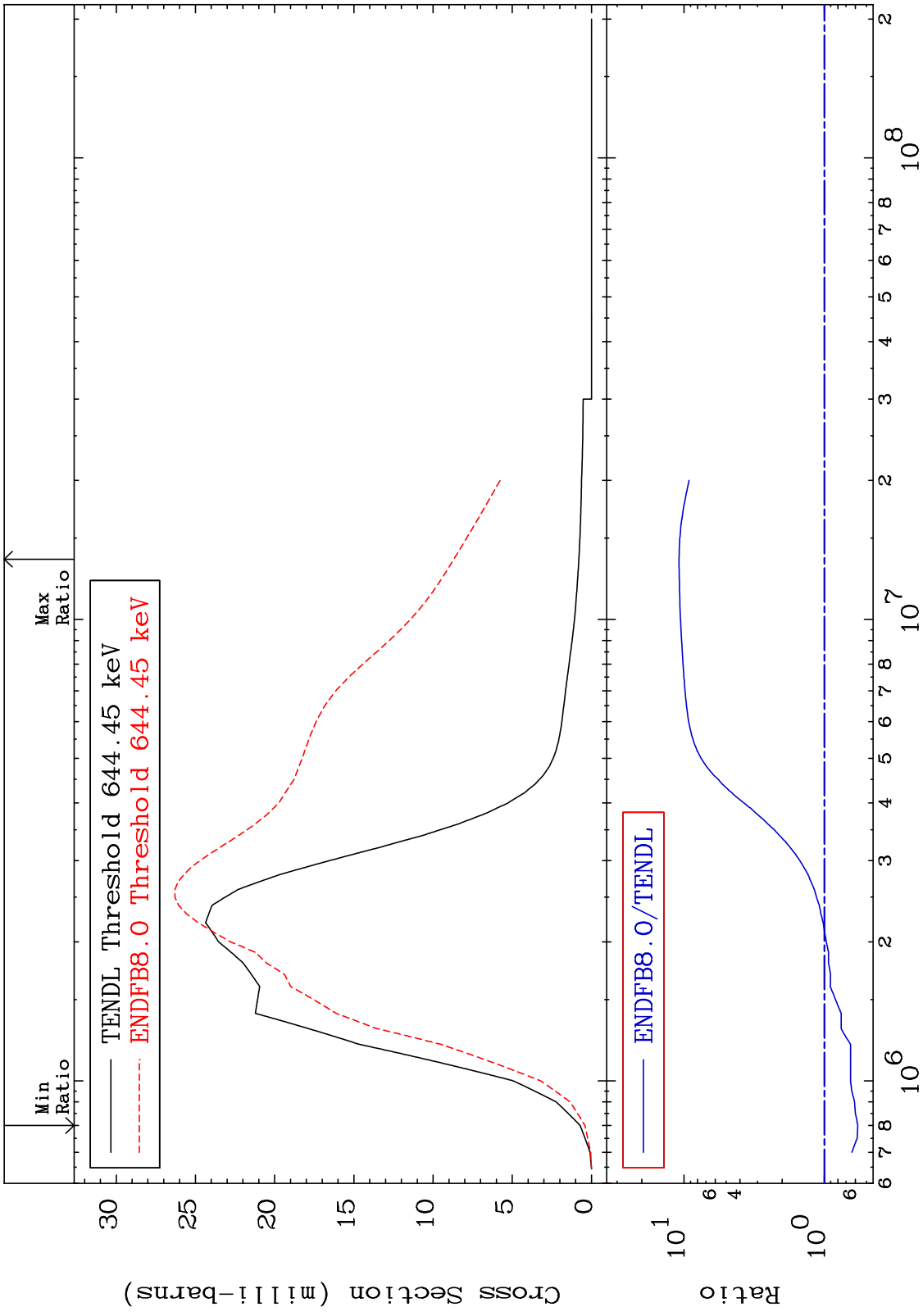
8 10⁵ 2 3 4 5 6 7 8 10⁸ 72-Hf-180

MAT 7243 MT= 52 (n,n') Level Cross Section 72-Hf-180
 -41.22 To 65.47 %



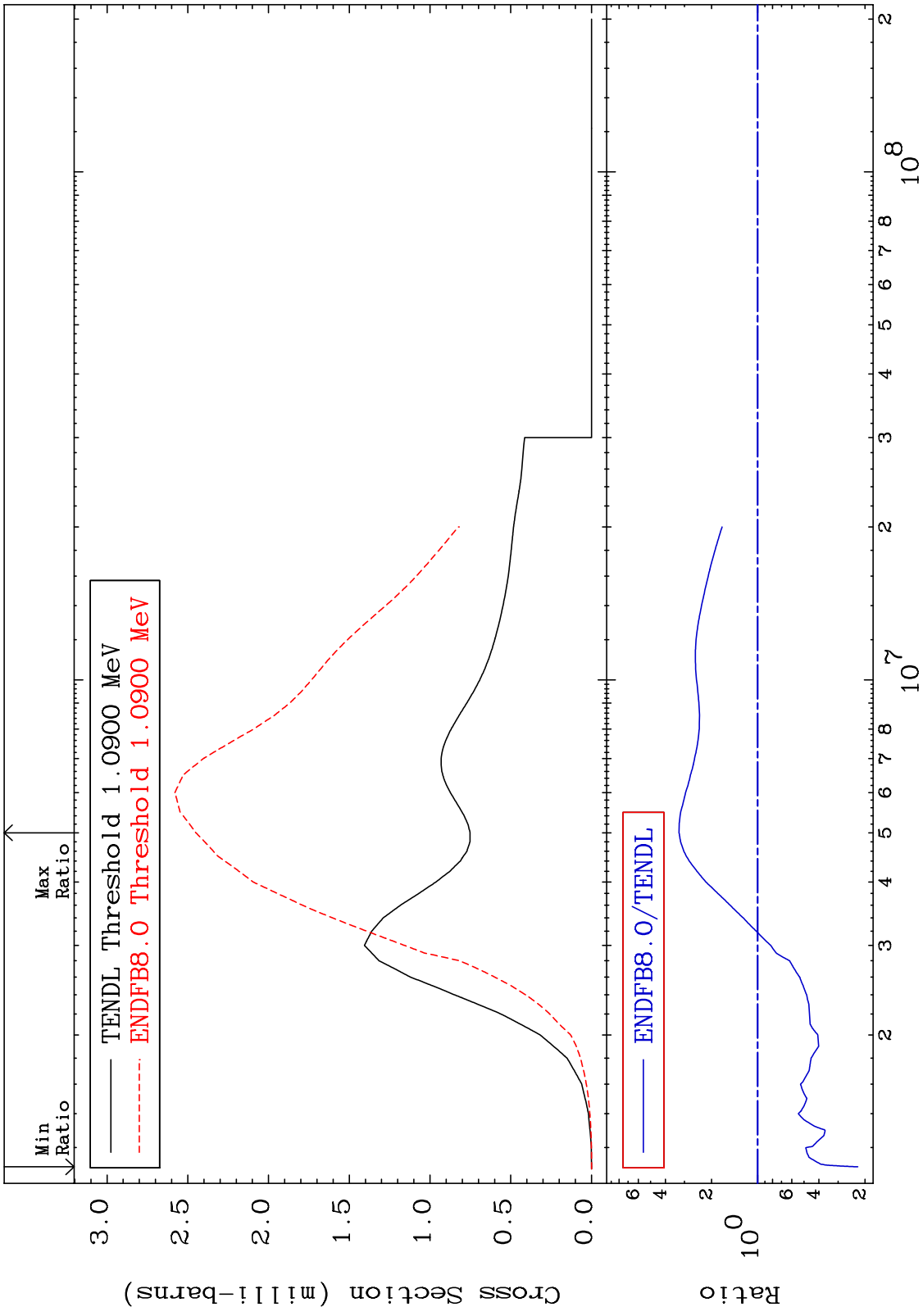
9 Incident Energy (eV) 72-Hf-180

MAT 7243 MT= 53 (n,n') Level 72-Hf-180
 Cross Section -42.29 To 985.5 %

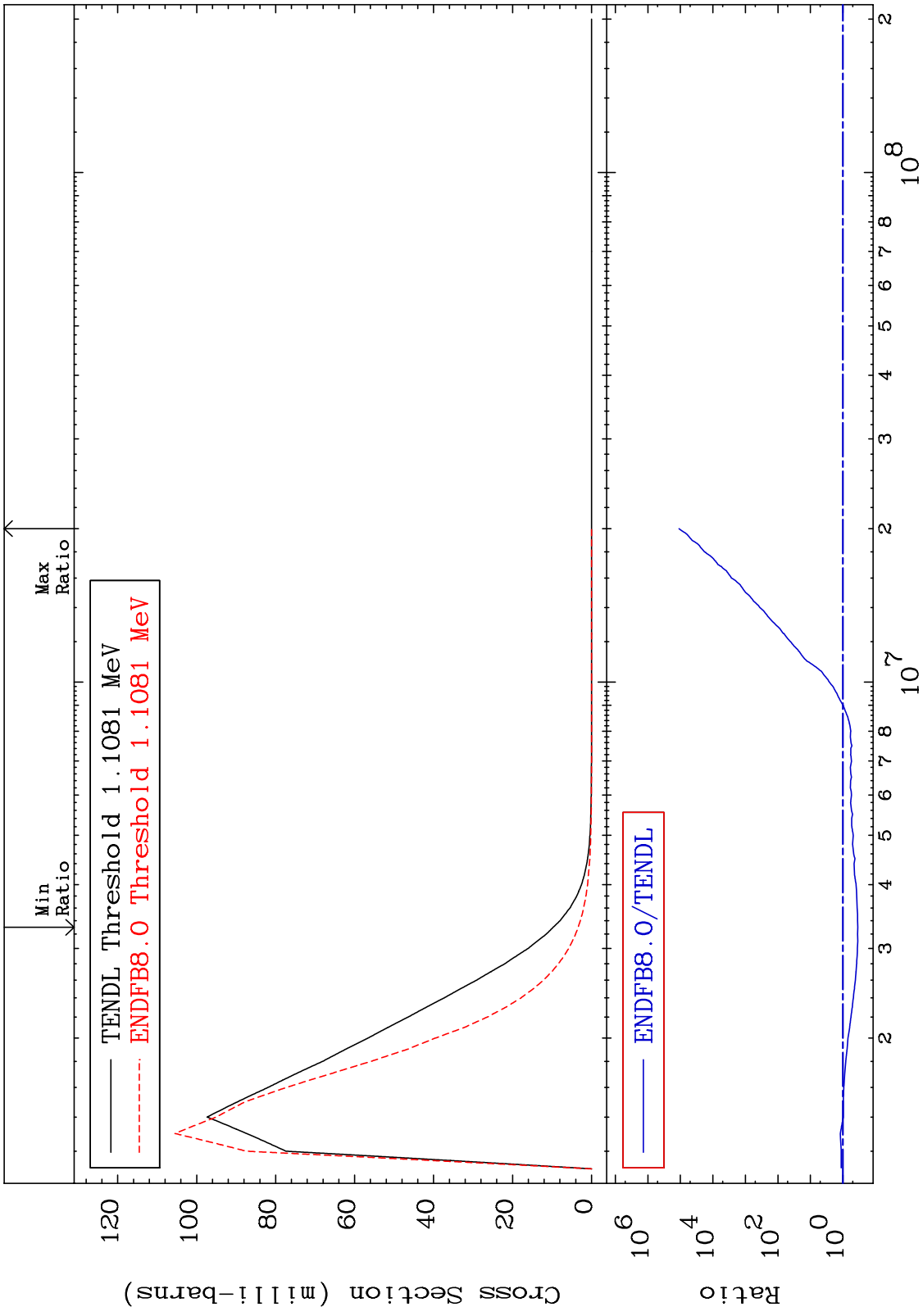


10 Incident Energy (eV) 72-Hf-180

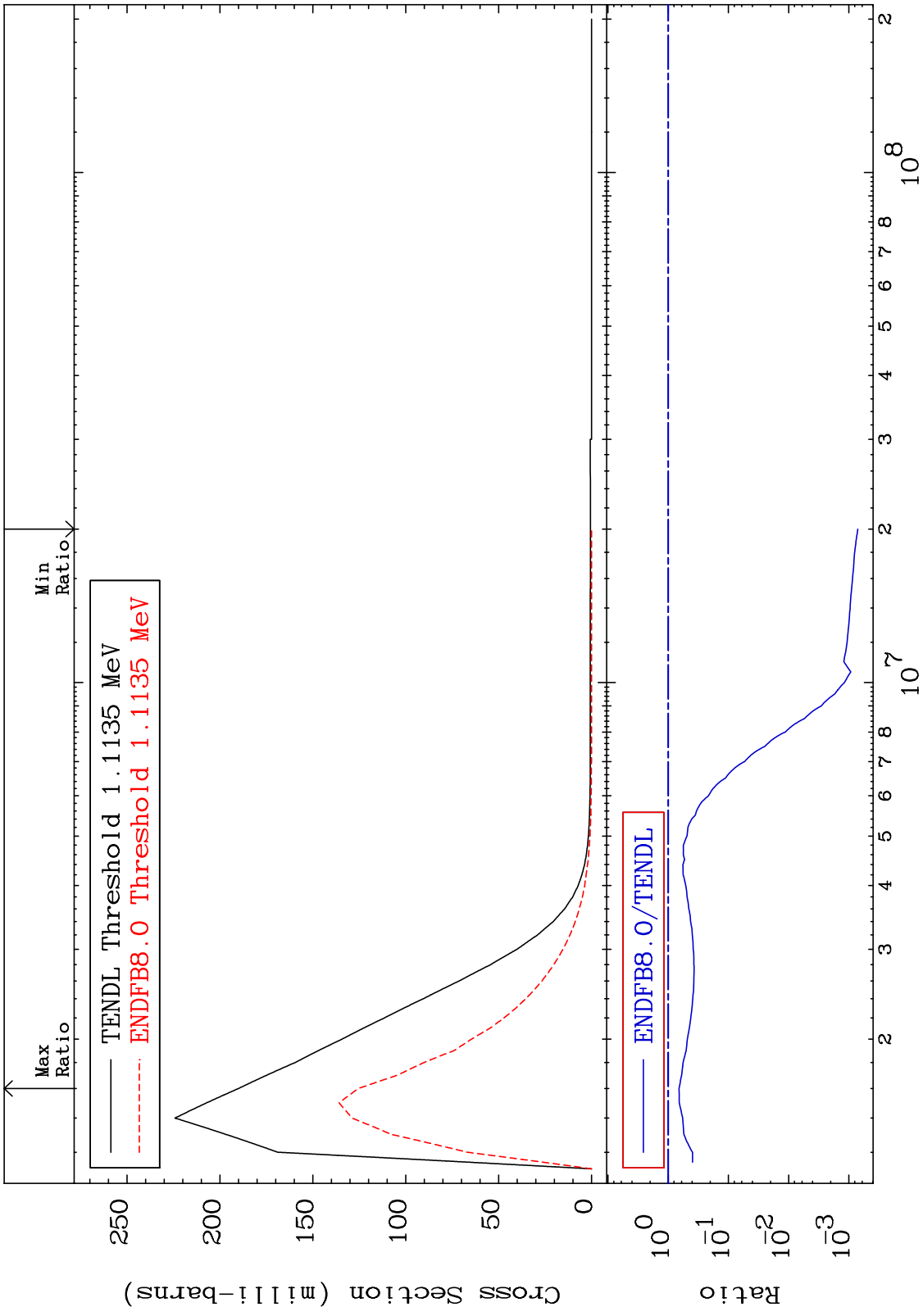
MAT 7243 MT= 54 (n,n') Level Cross Section 72-Hf-180
 -77.72 To 225.8 %



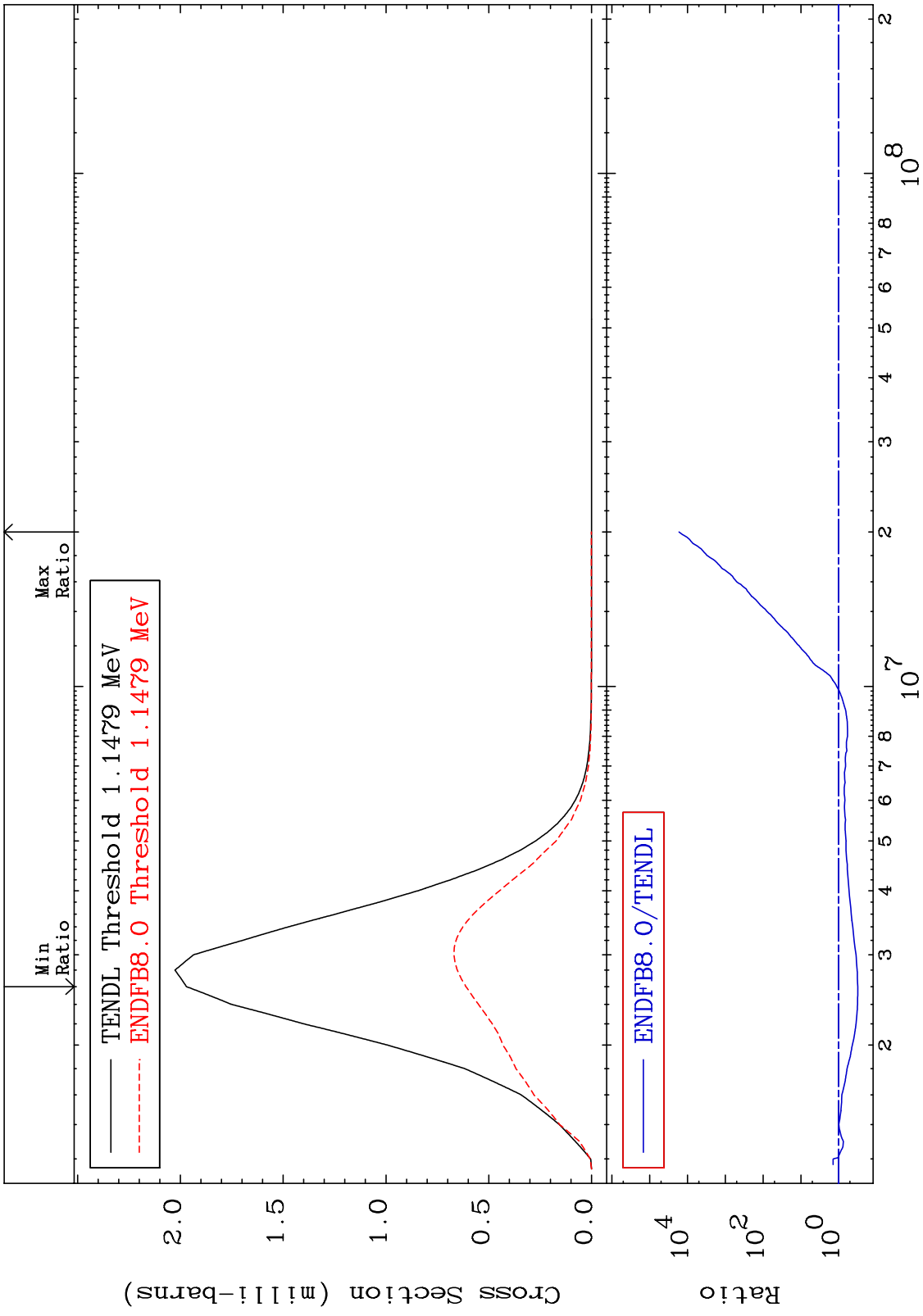
MAT 7243 MT= 55 (n,n') Level Cross Section 72-Hf-180
 -65.13 To 9999. %



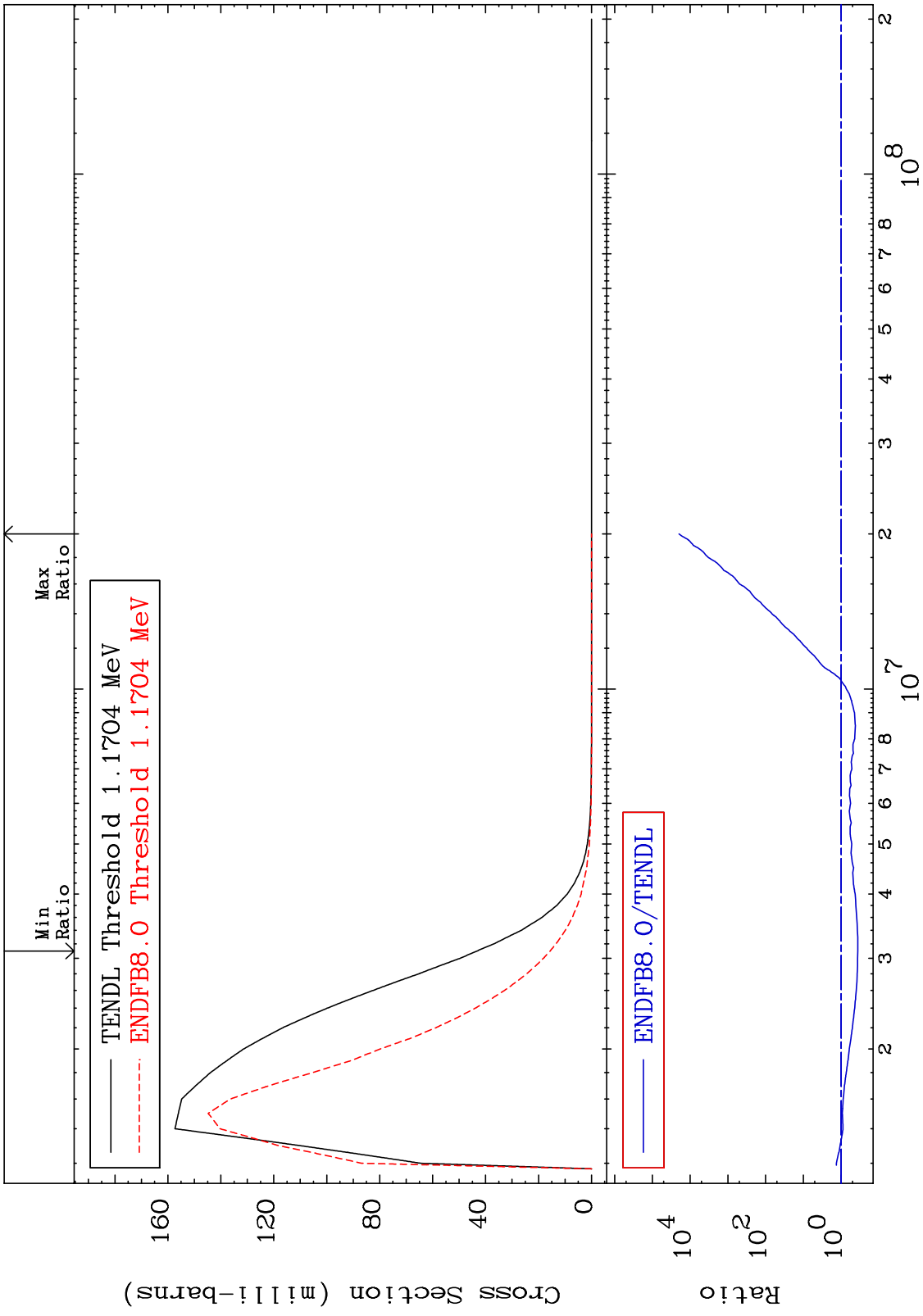
MAT 7243 MT= 56 (n,n') Level Cross Section 72-Hf-180 -99.93 To -33.95%



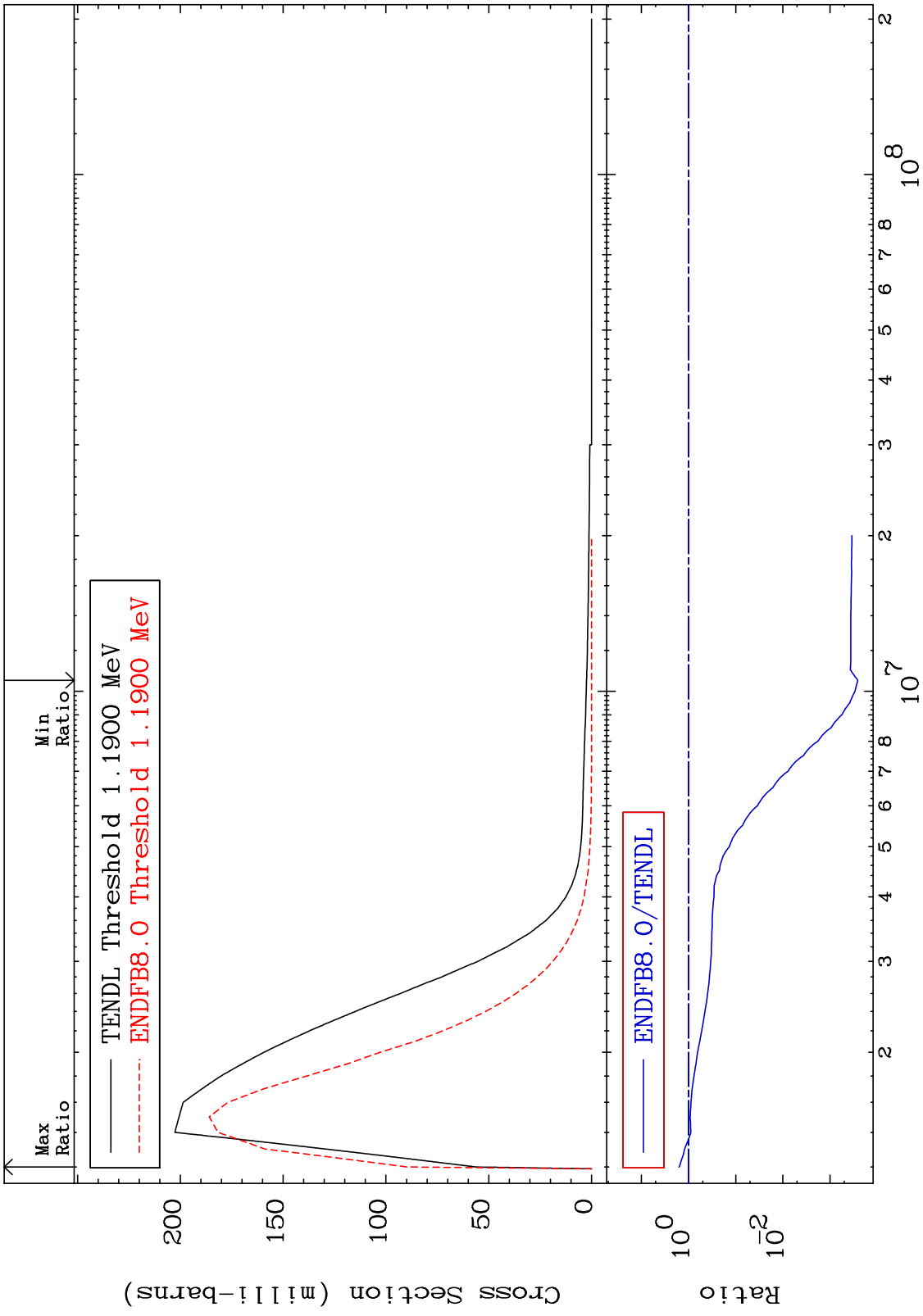
MAT 7243 MT= 57 (n,n') Level Cross Section 72-Hf-180
 -69.00 To 9999. %



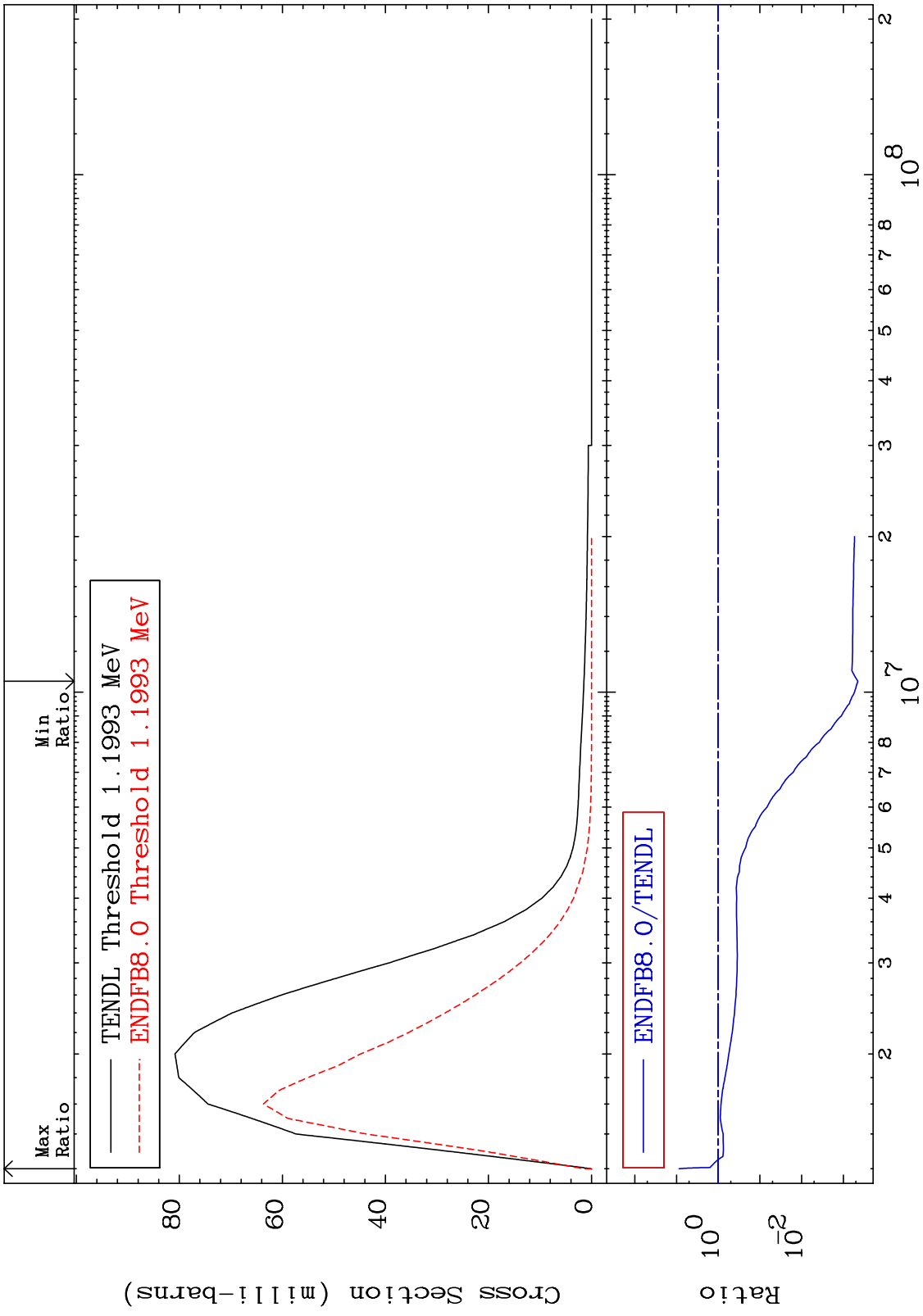
MAT 7243 MT= 58 (n,n') Level Cross Section 72-Hf-180
 -63.87 To 9999. %



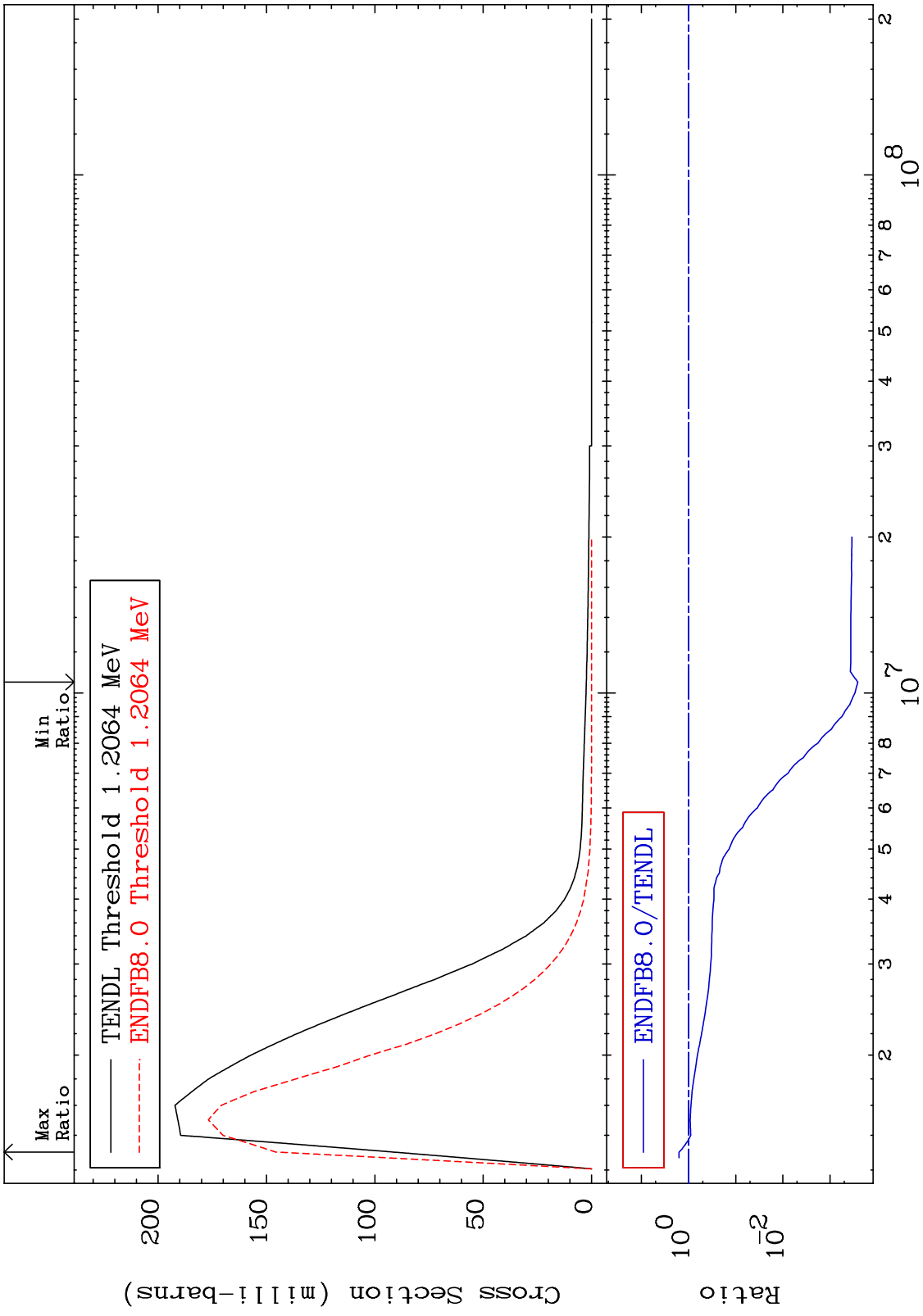
MAT 7243 MT= 59 (n,n') Level Cross Section 72-Hf-180 -99.97 To 59.37 %



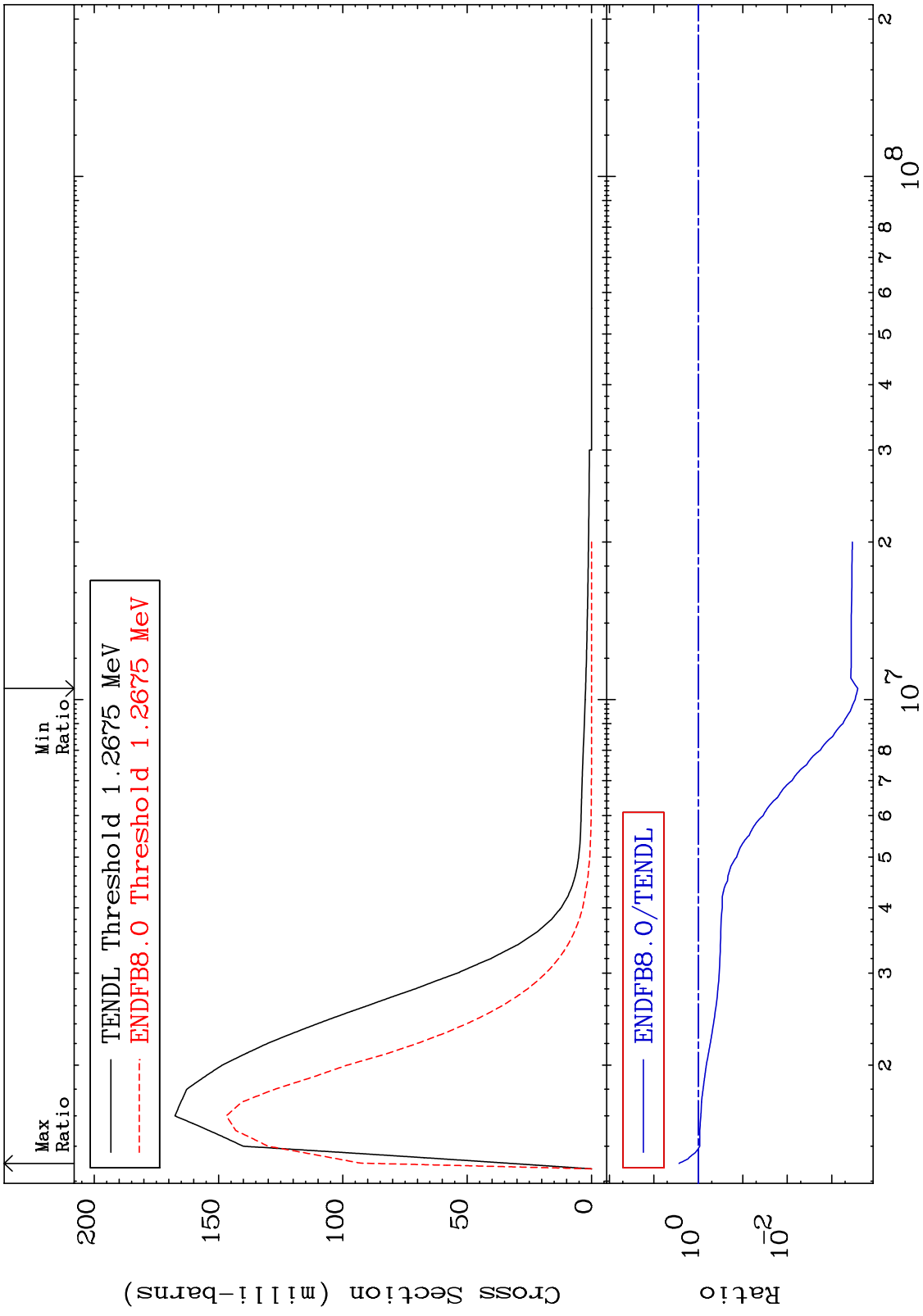
MAT 7243 MT= 60 (n,n') Level Cross Section 72-Hf-180
 -99.96 To 768.1 %



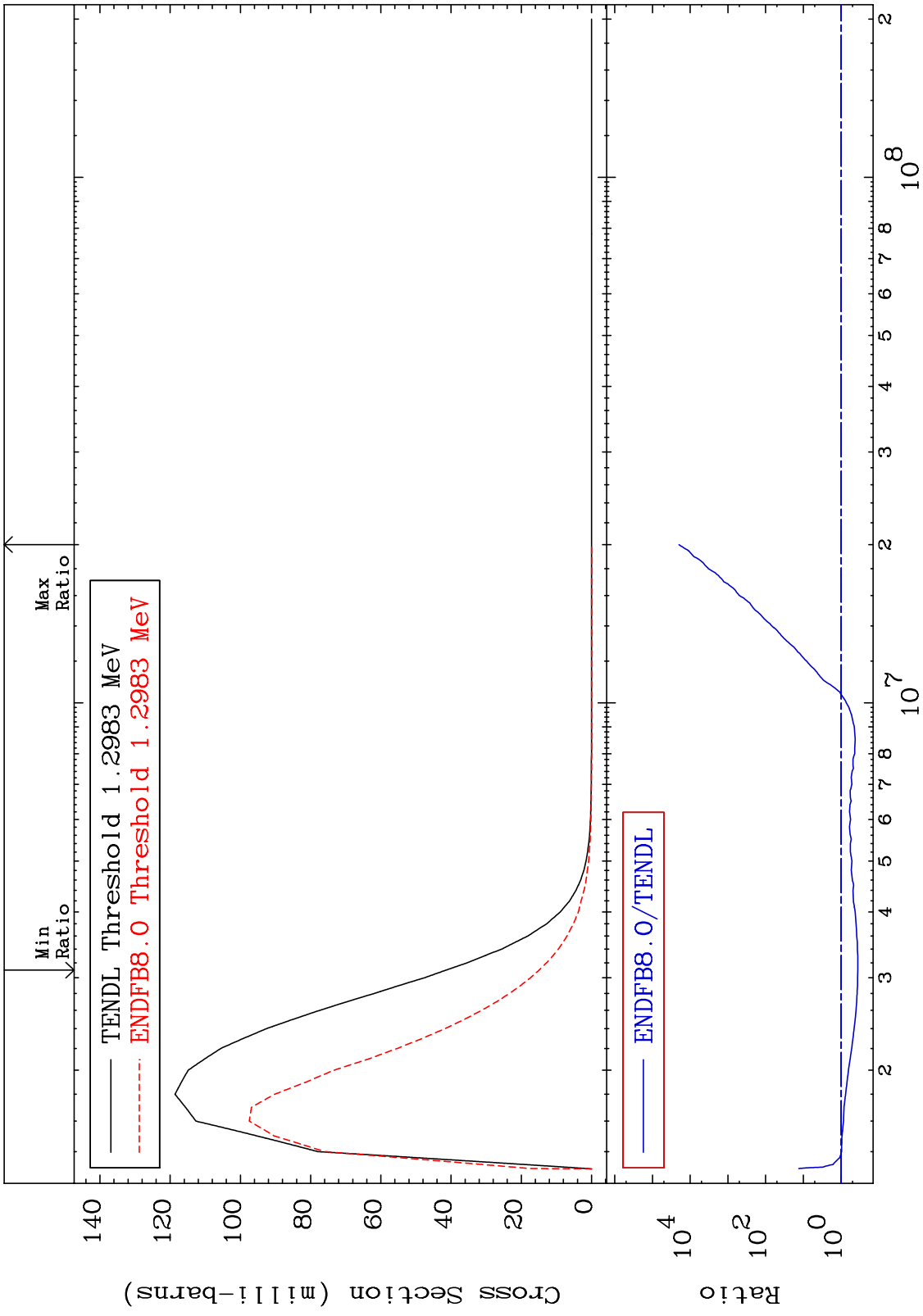
MAT 7243 MT= 61 (n,n') Level Cross Section 72-Hf-180
 -99.97 To 59.03 %



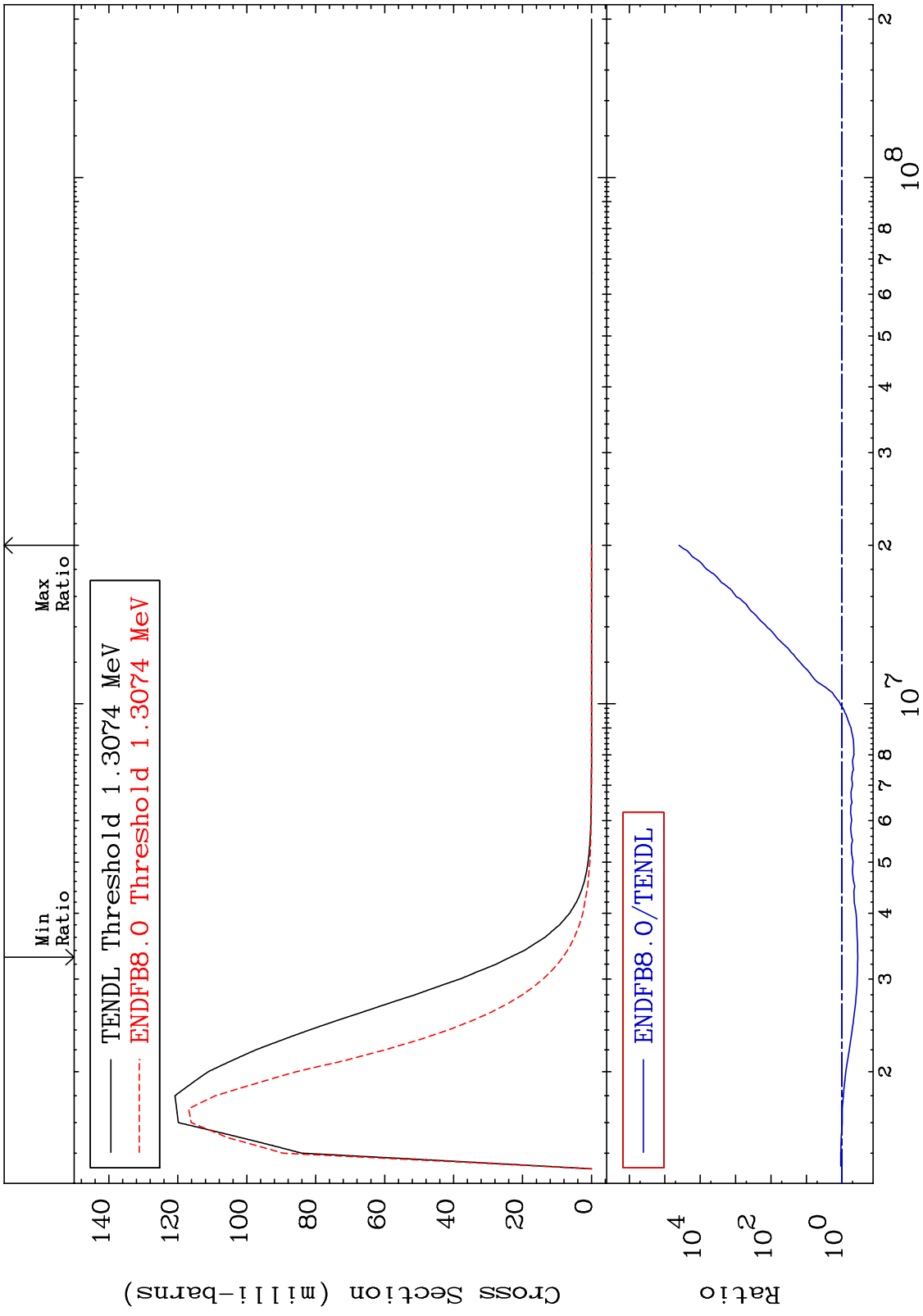
MAT 7243 MT= 62 (n,n') Level Cross Section 72-Hf-180
 -99.97 To 171.1 %



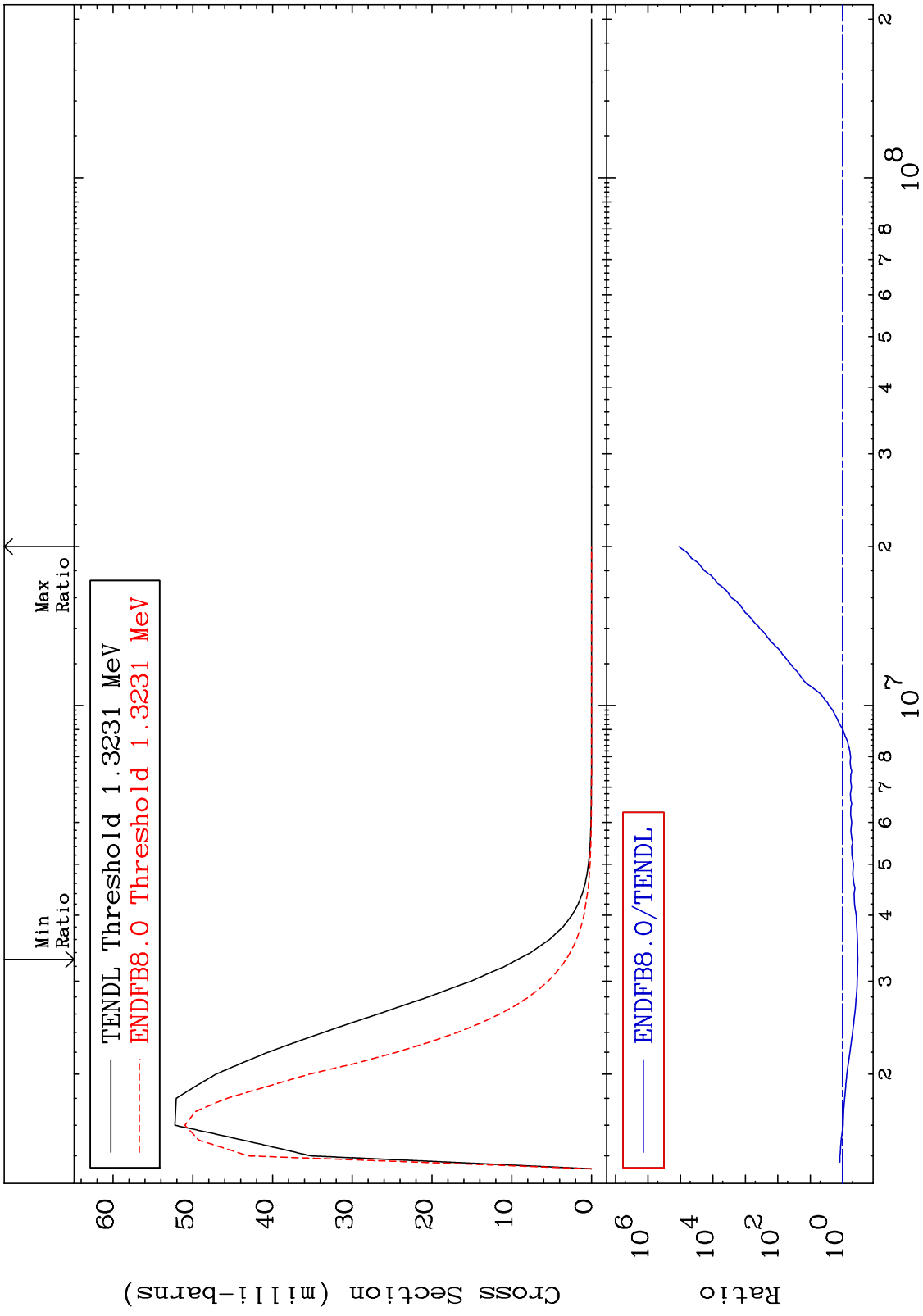
MAT 7243 MT= 63 (n,n') Level Cross Section 72-Hf-180
 -63.98 To 9999. %



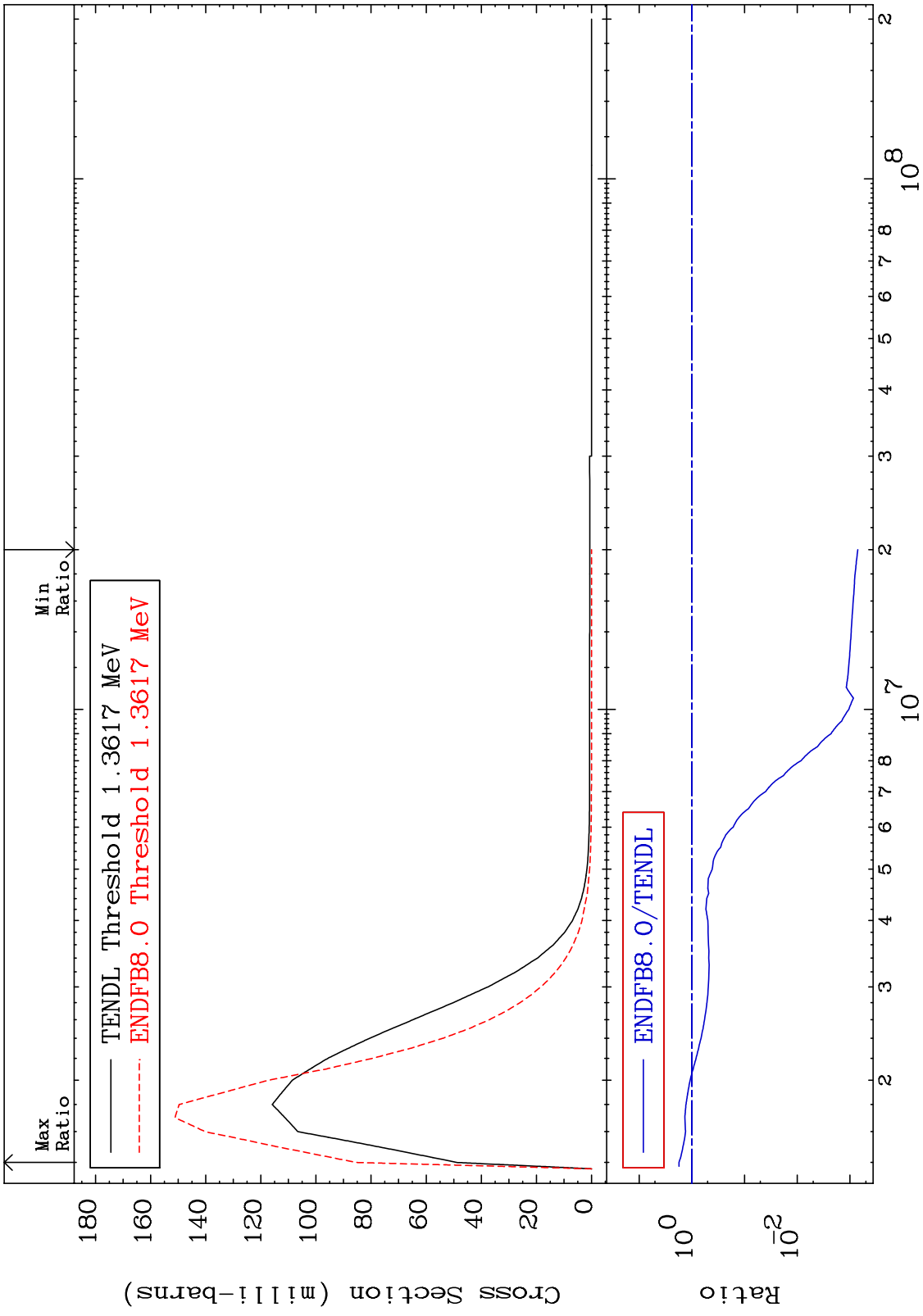
MAT 7243 MT= 64 (n,n') Level Cross Section 72-Hf-180
 -64.79 To 9999. %



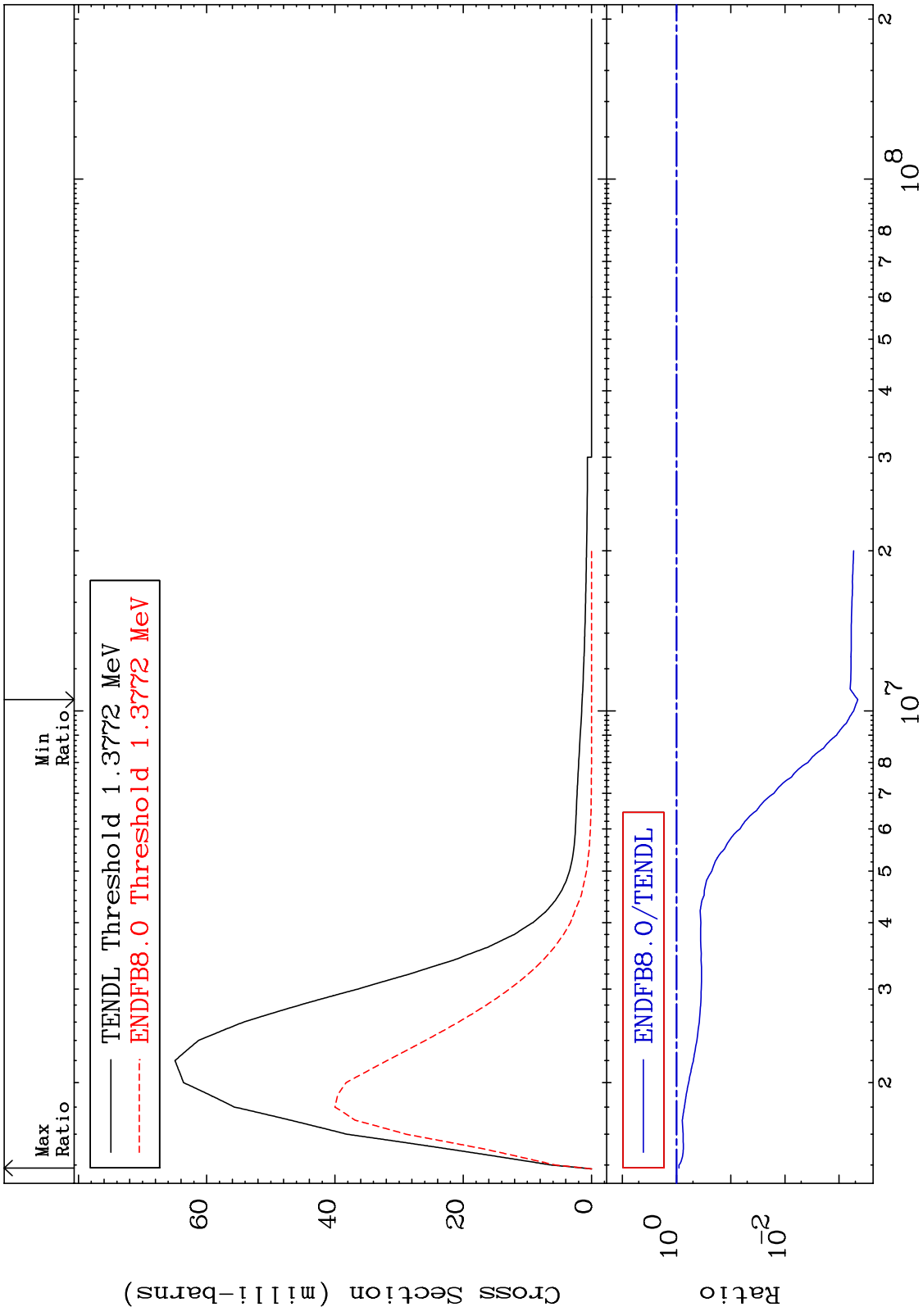
MAT 7243 MT= 65 (n,n') Level Cross Section 72-Hf-180
 -65.56 To 9999. %



MAT 7243 MT= 66 (n,n') Level Cross Section 72-Hf-180
 -99.93 To 74.65 %



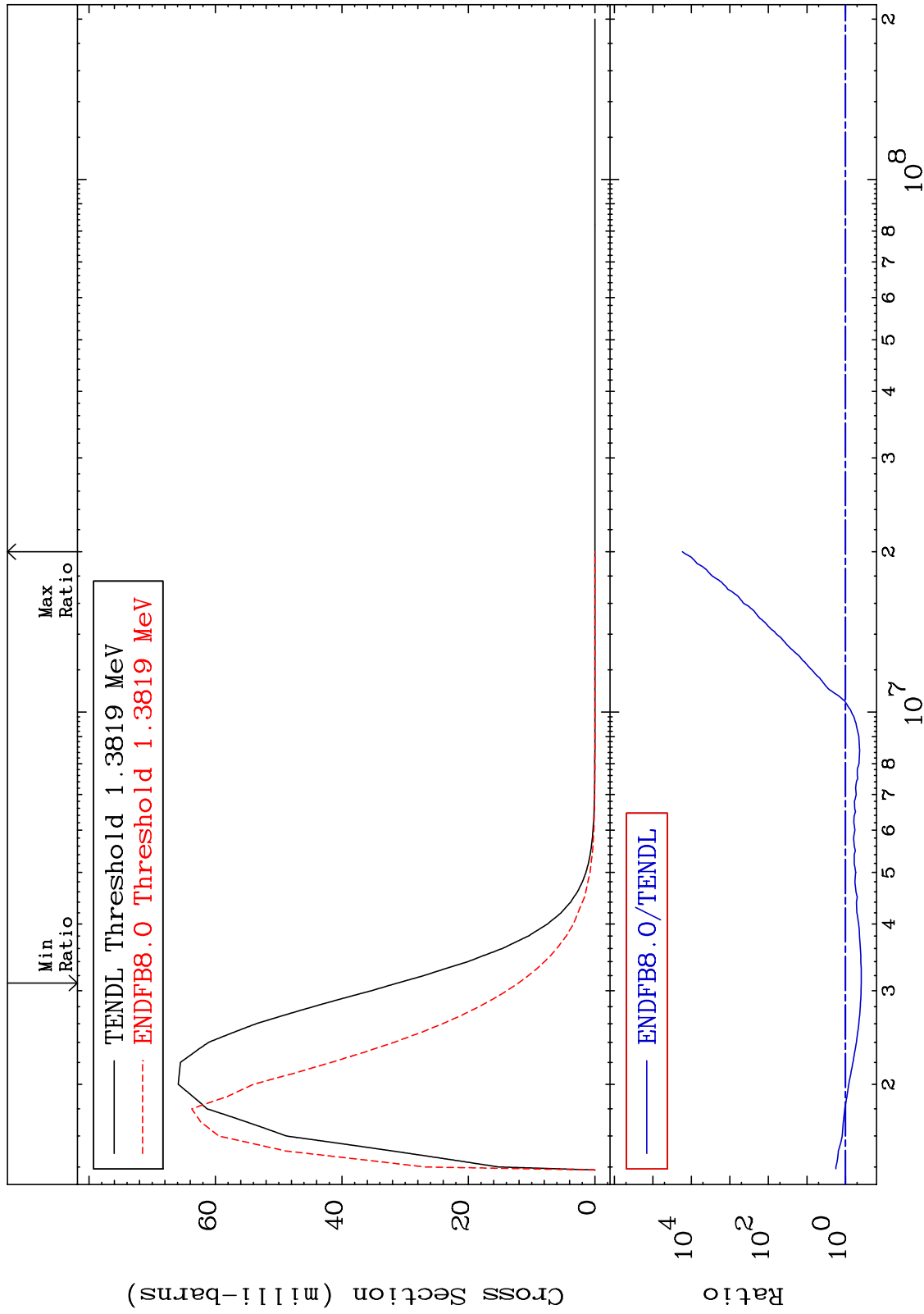
MAT 7243 MT= 67 (n,n') Level Cross Section 72-Hf-180
 -99.95 To -9.847%



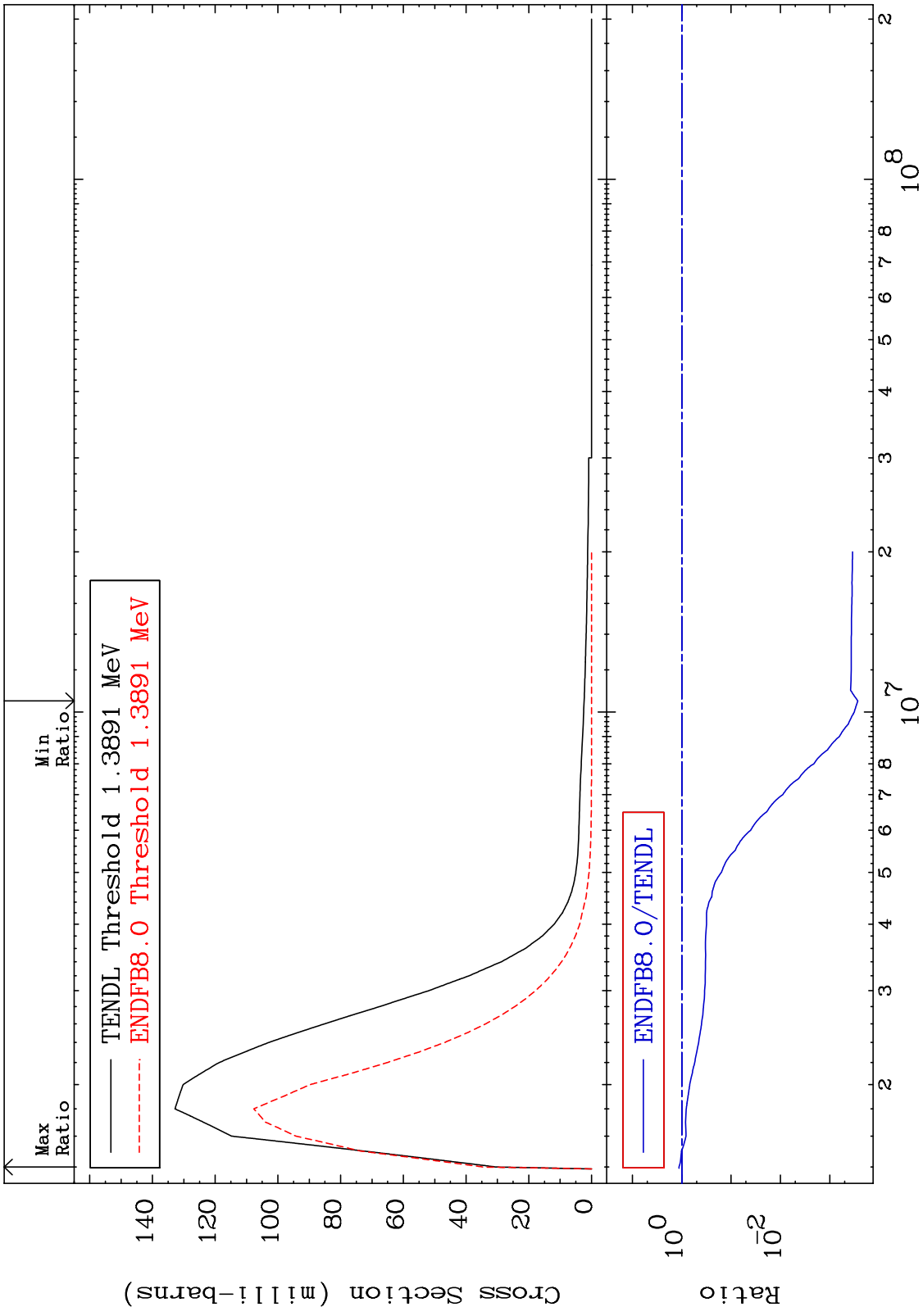
MAT 7243

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

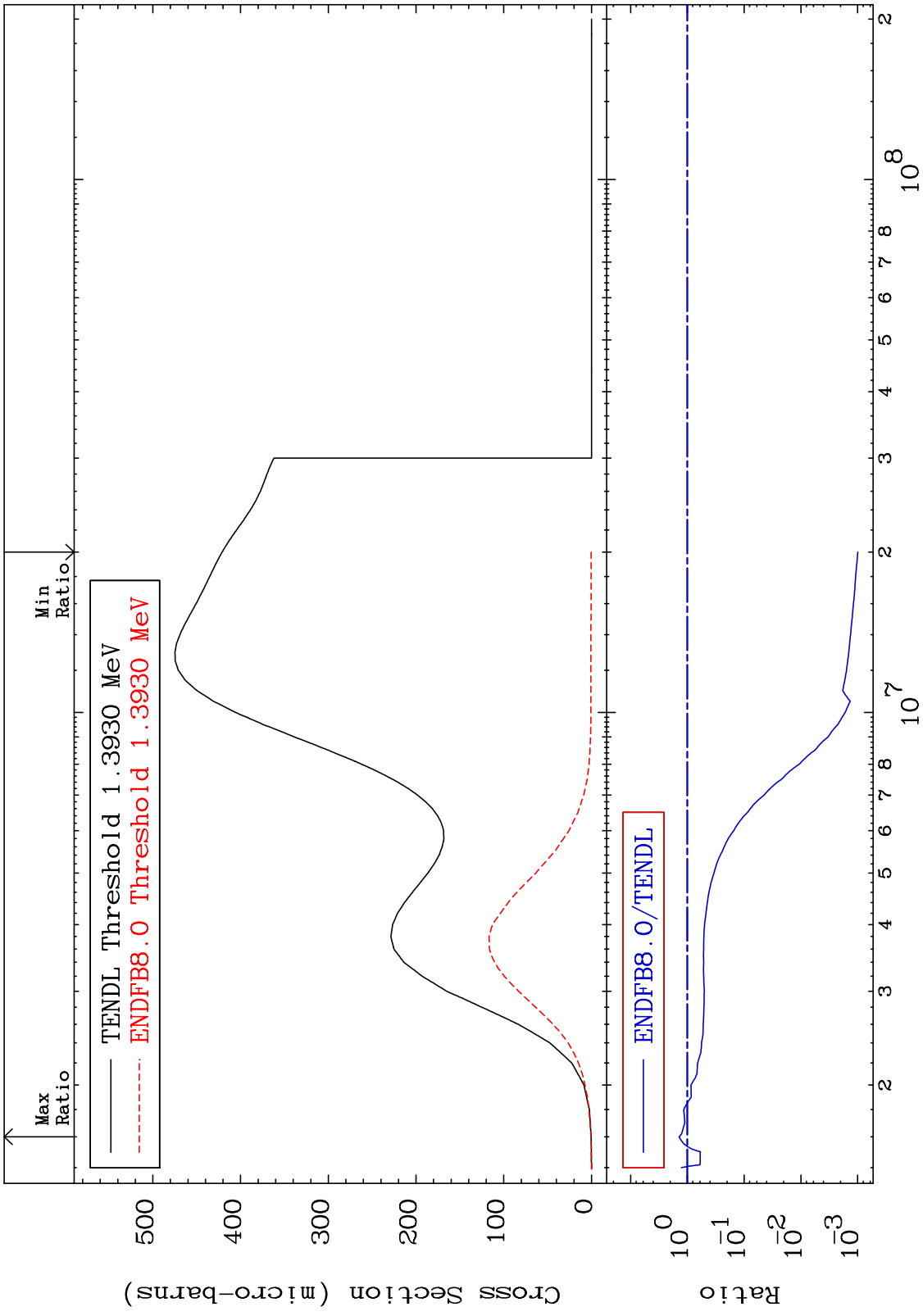
72-Hf-180
-61.23 To 9999. %



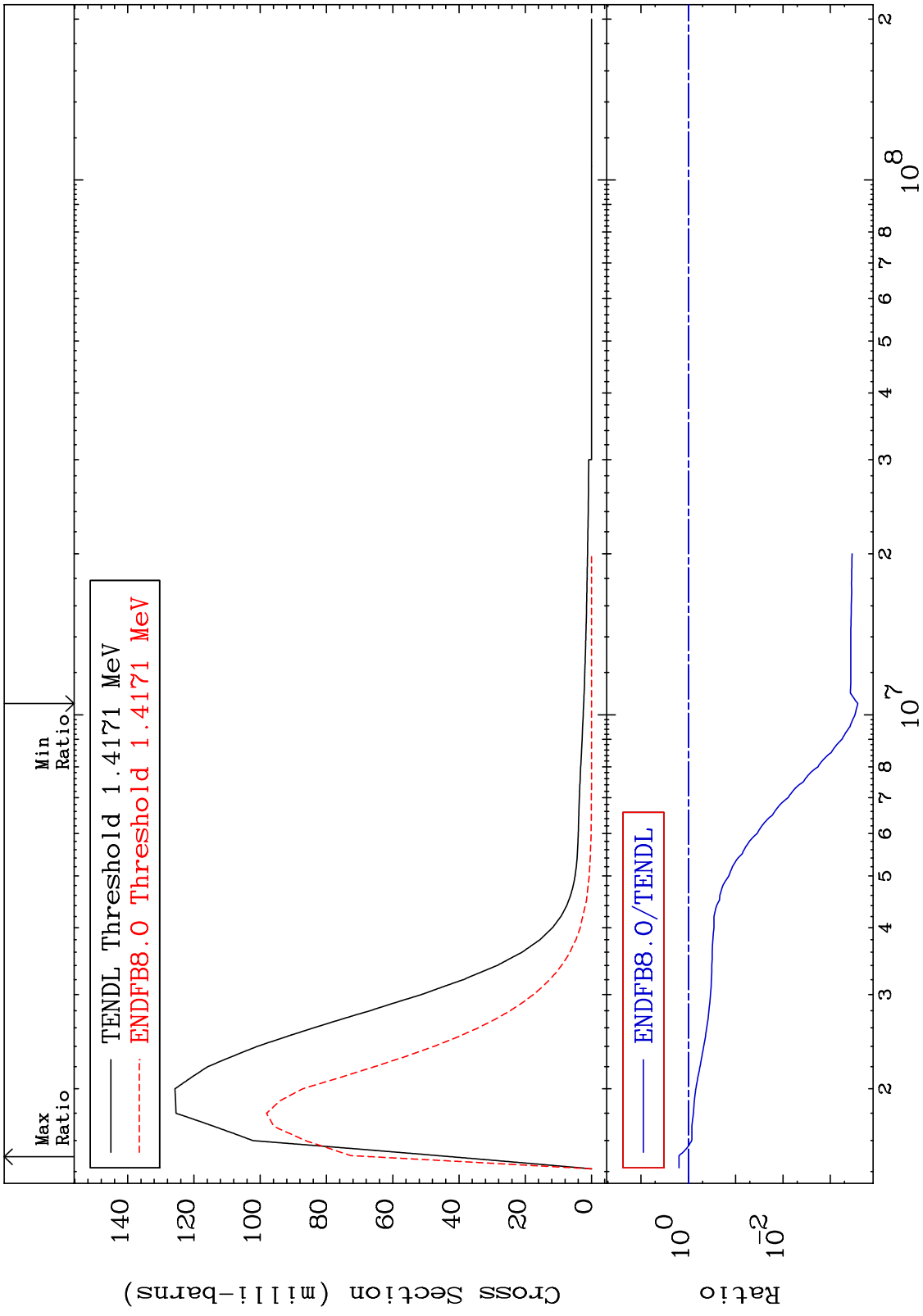
MAT 7243 MT= 69 (n,n') Level Cross Section 72-Hf-180
 -99.97 To 13.45 %



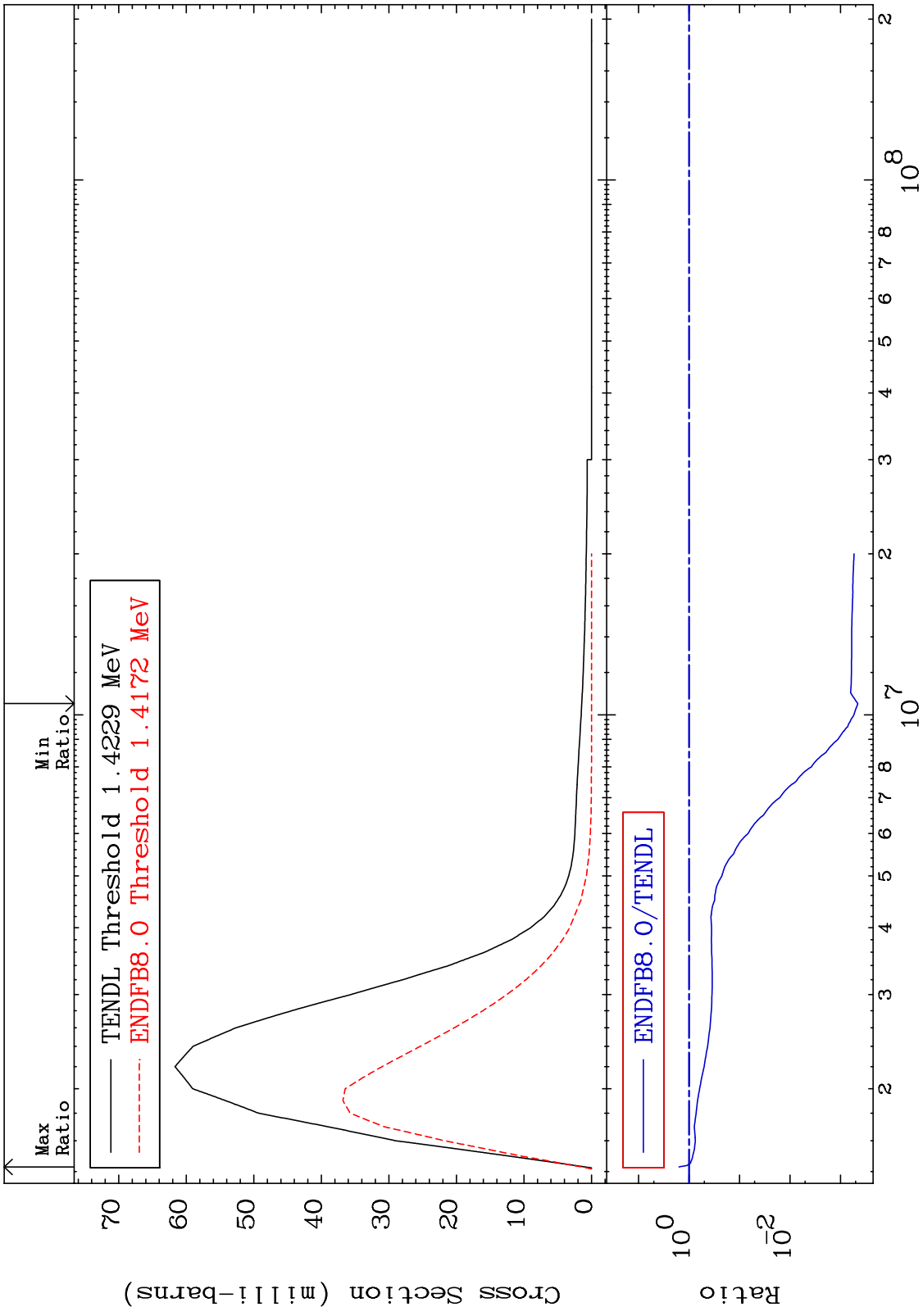
MAT 7243 MT= 70 (n,n') Level Cross Section 72-Hf-180
 -99.90 To 39.98 %



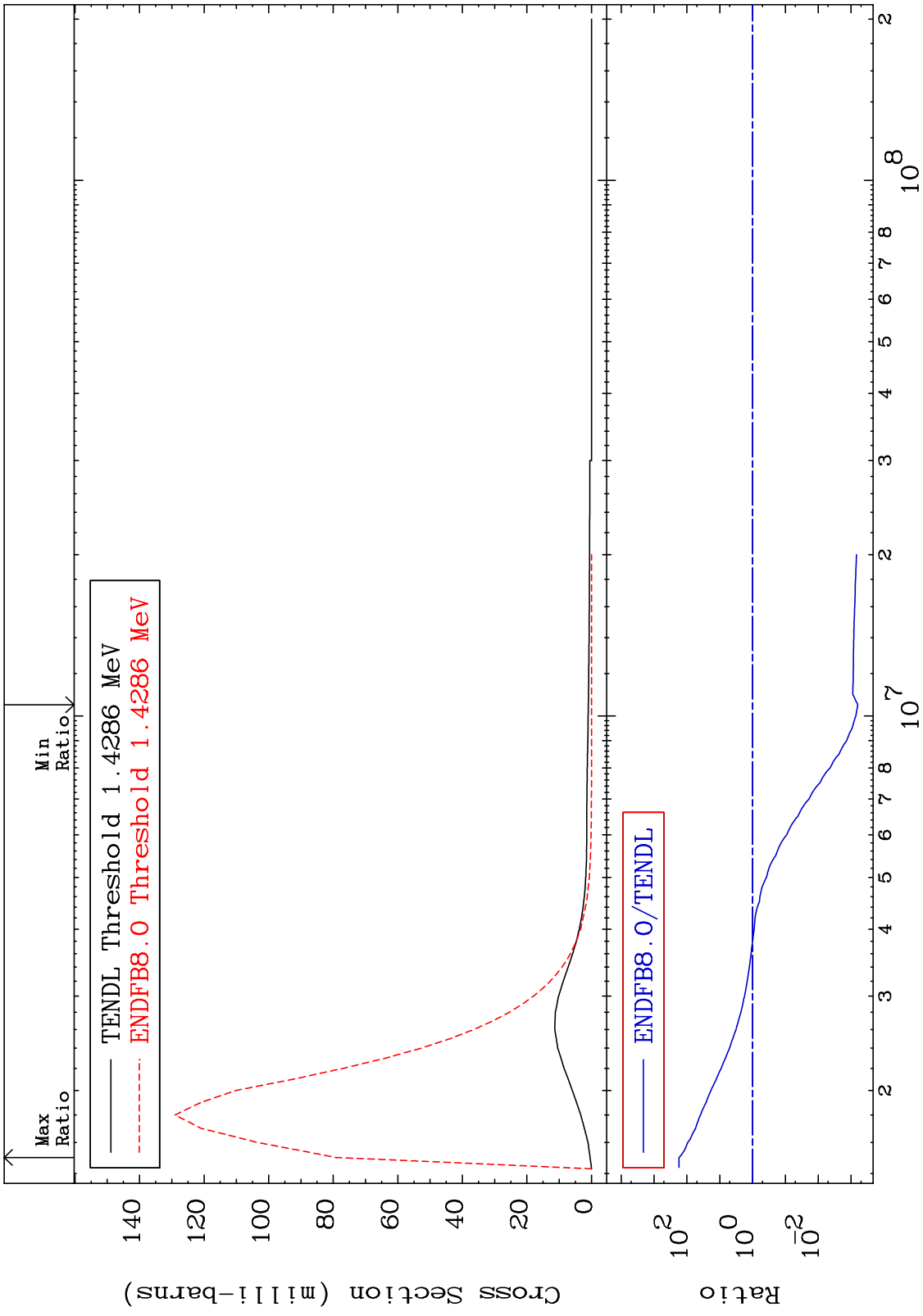
MAT 7243 MT= 71 (n,n') Level Cross Section 72-Hf-180
 -99.97 To 56.95 %



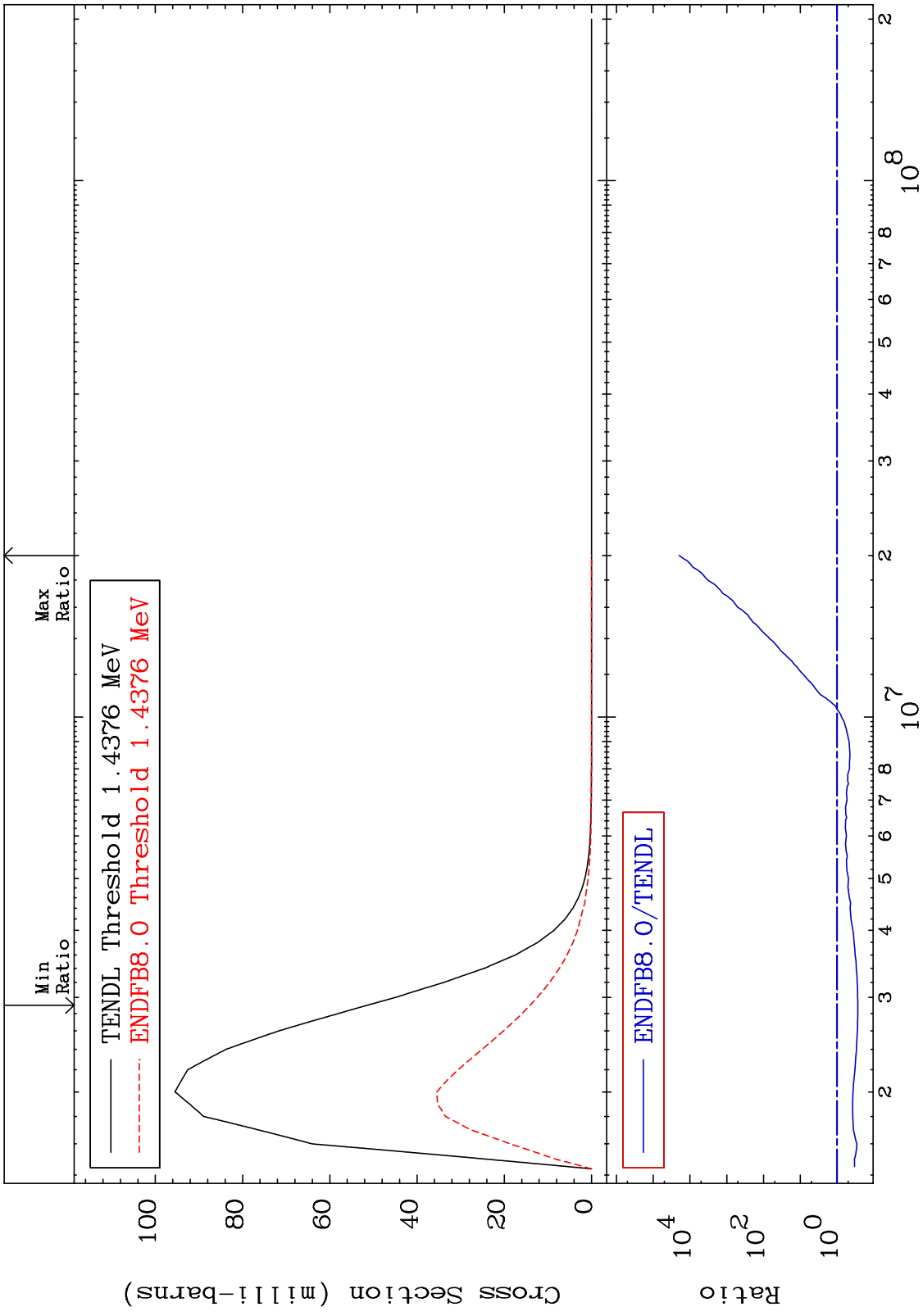
MAT 7243 MT= 72 (n,n') Level Cross Section 72-Hf-180
 -99.95 To 58.05 %



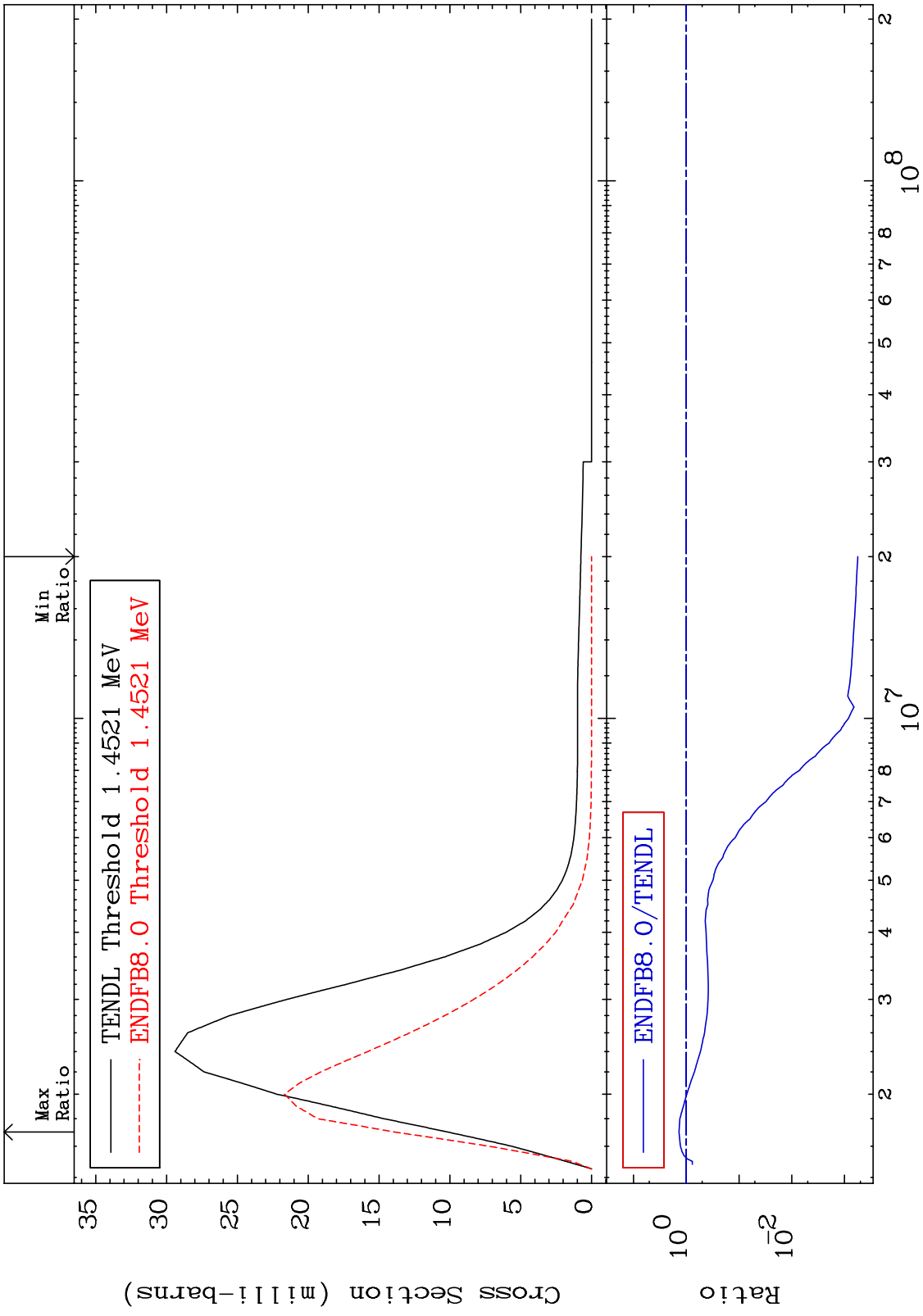
MAT 7243 MT= 73 (n,n') Level Cross Section 72-Hf-180
 -99.94 To 9999. %



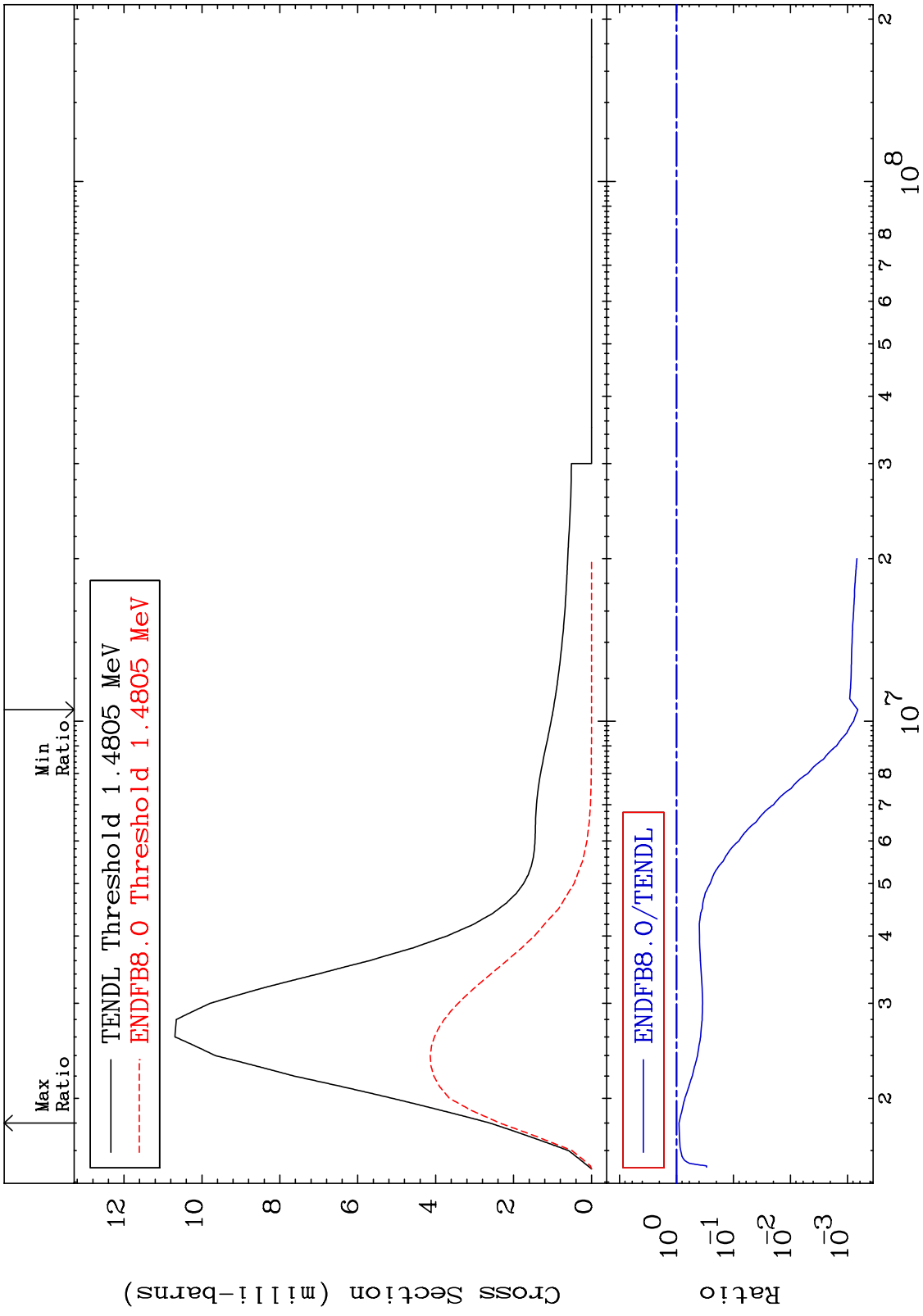
MAT 7243 MT= 74 (n,n') Level Cross Section 72-Hf-180
 -72.63 To 9999. %



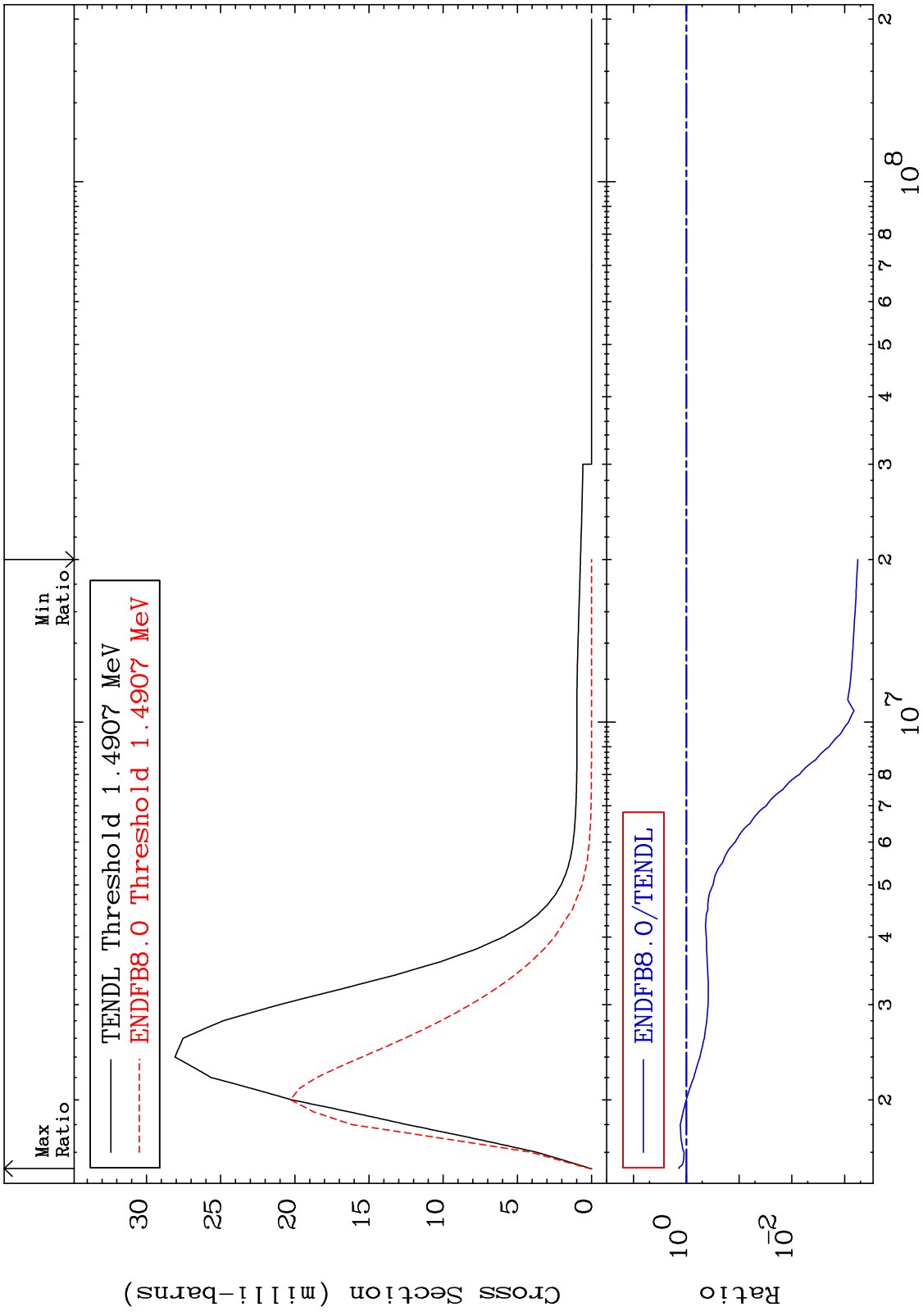
MAT 7243 MT= 75 (n,n') Level Cross Section 72-Hf-180
 -99.94 To 36.87 %



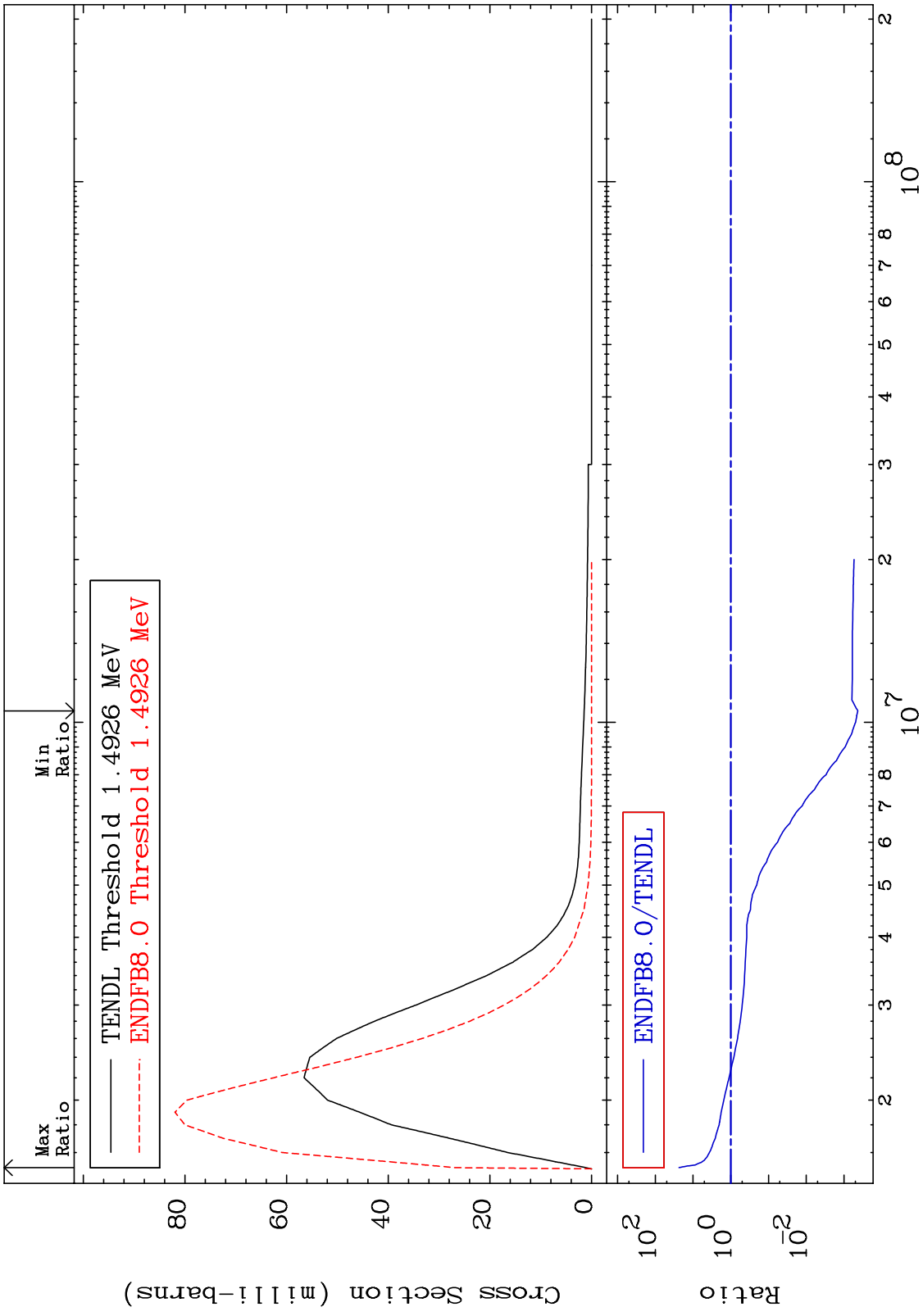
MAT 7243 MT= 76 (n,n') Level Cross Section 72-Hf-180
 -99.93 To -9.685%



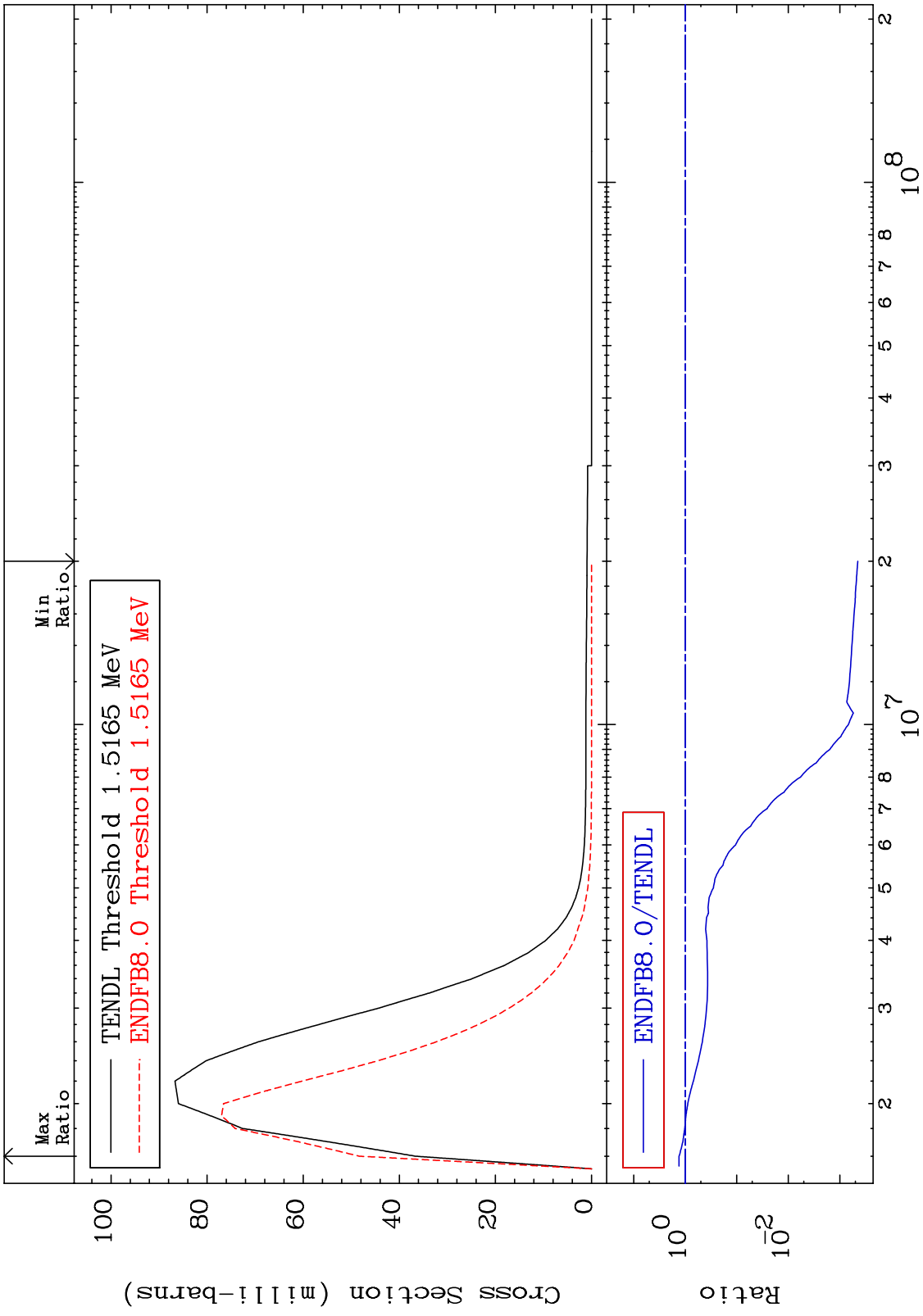
MAT 7243 MT= 77 (n,n') Level Cross Section 72-Hf-180 -99.94 To 37.32 %



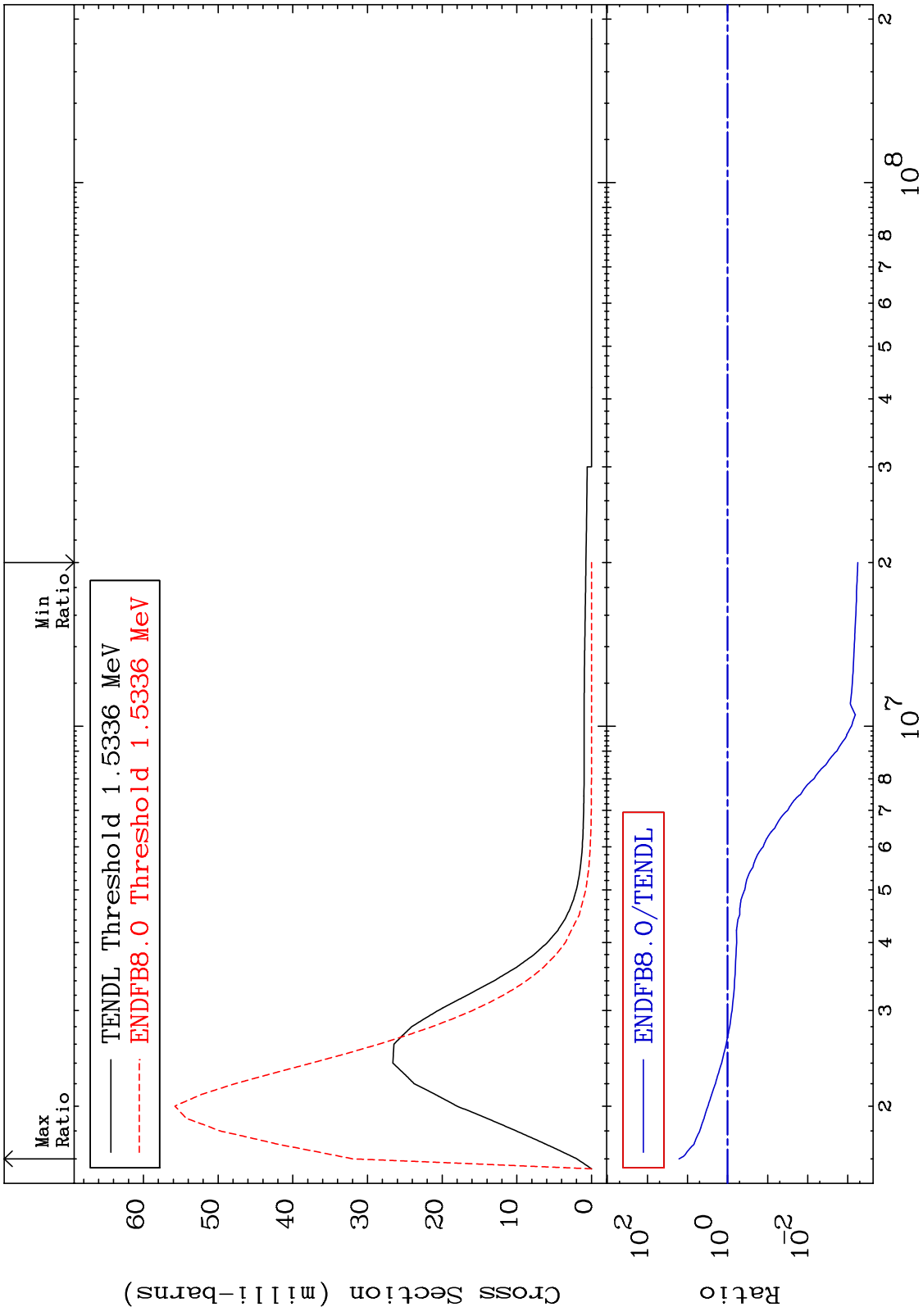
MAT 7243 MT= 78 (n,n') Level Cross Section 72-Hf-180
 -99.96 To 2252. %

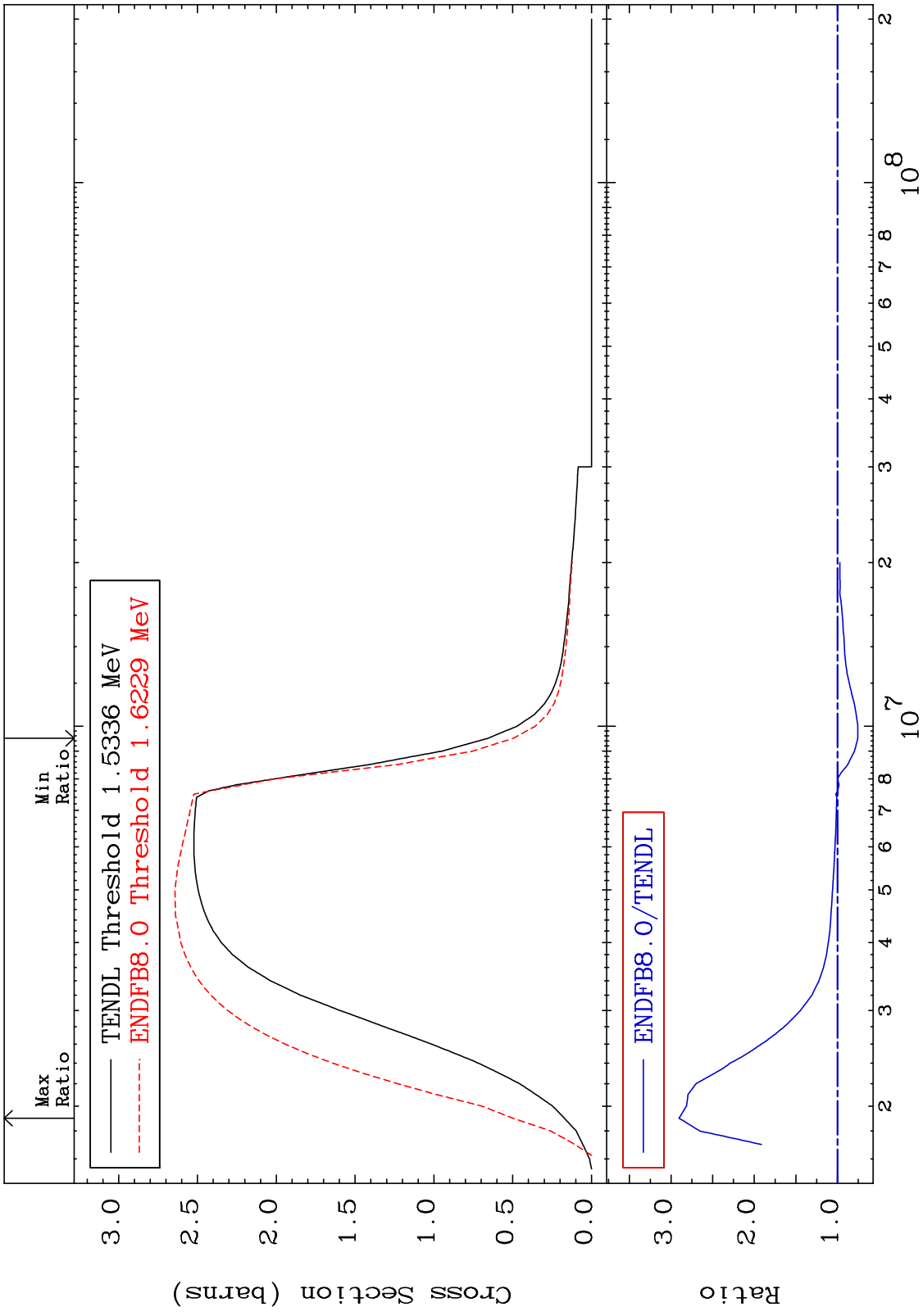


MAT 7243 MT= 79 (n,n') Level Cross Section 72-Hf-180
 -99.96 To 31.79 %



MAT 7243 MT= 80 (n,n') Level Cross Section 72-Hf-180 -99.94 To 1525. %





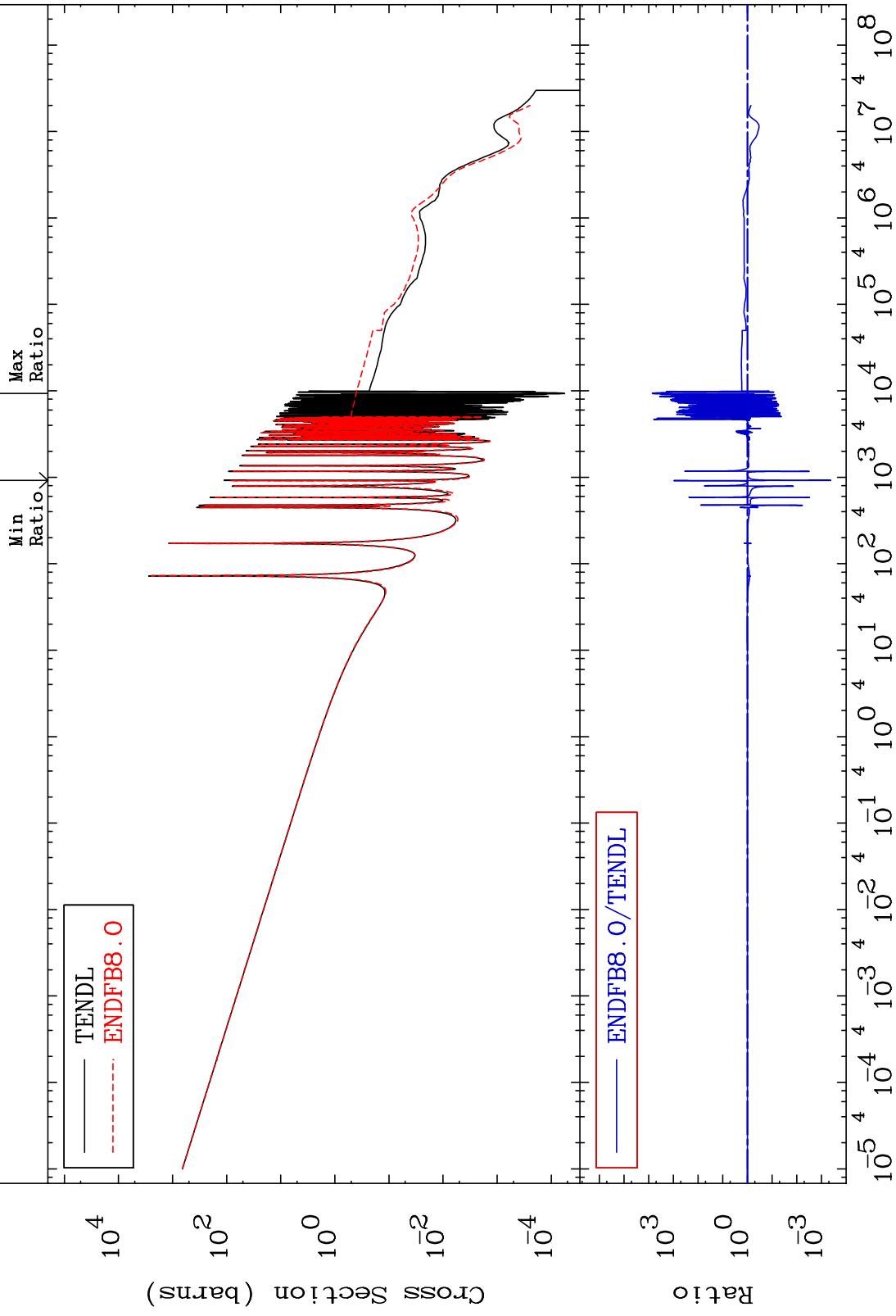
MAT 7243

(n, γ)

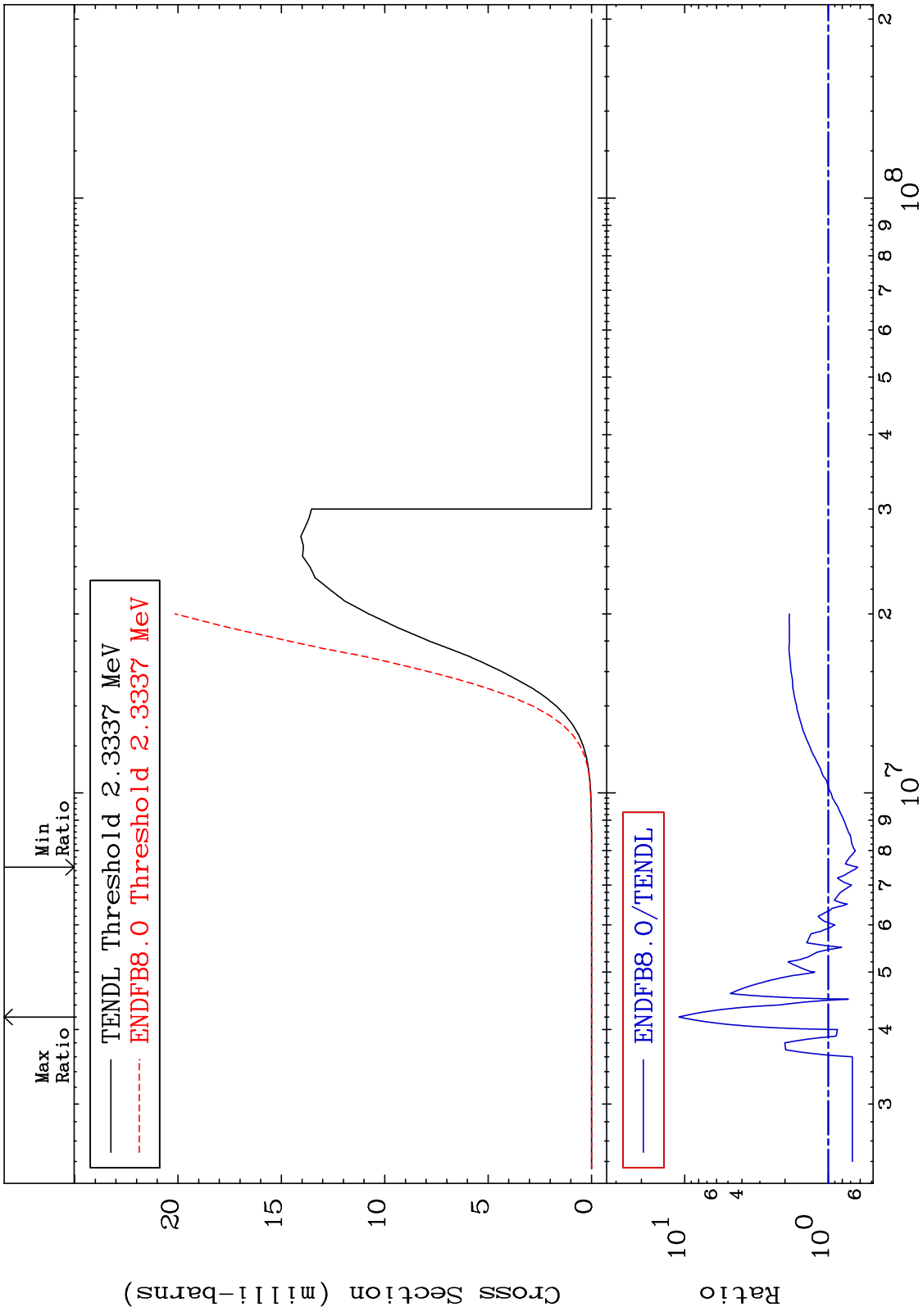
72-Hf-180

-99.96 To 9999. %

Cross Section

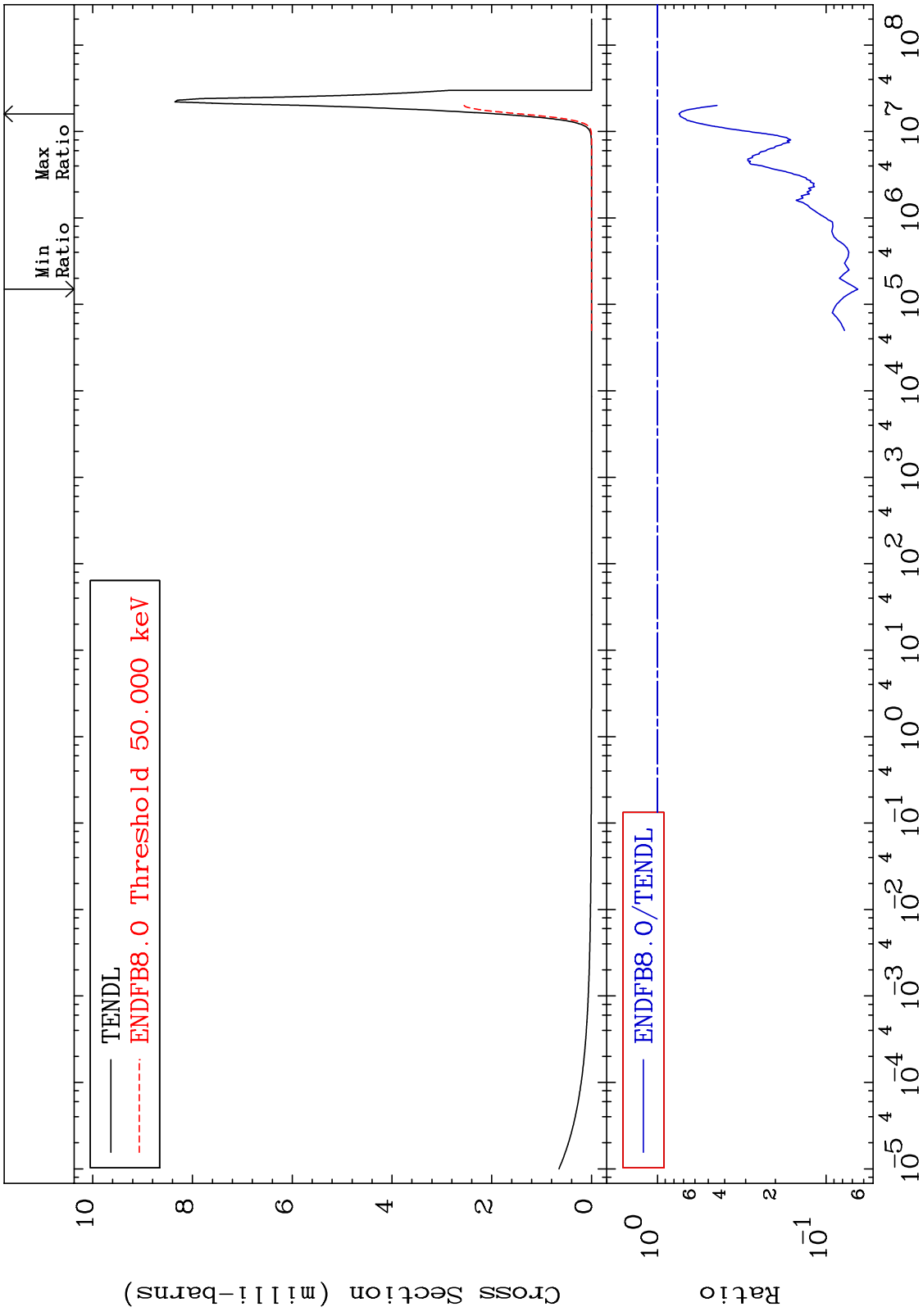


MAT 7243 (n,p) Cross Section 72-Hf-180
 -37.65 To 994.1 %



Incident Energy (eV) 72-Hf-180

MAT 7243 (n,α) Cross Section 72-Hf-180 -93.51 To -25.44%

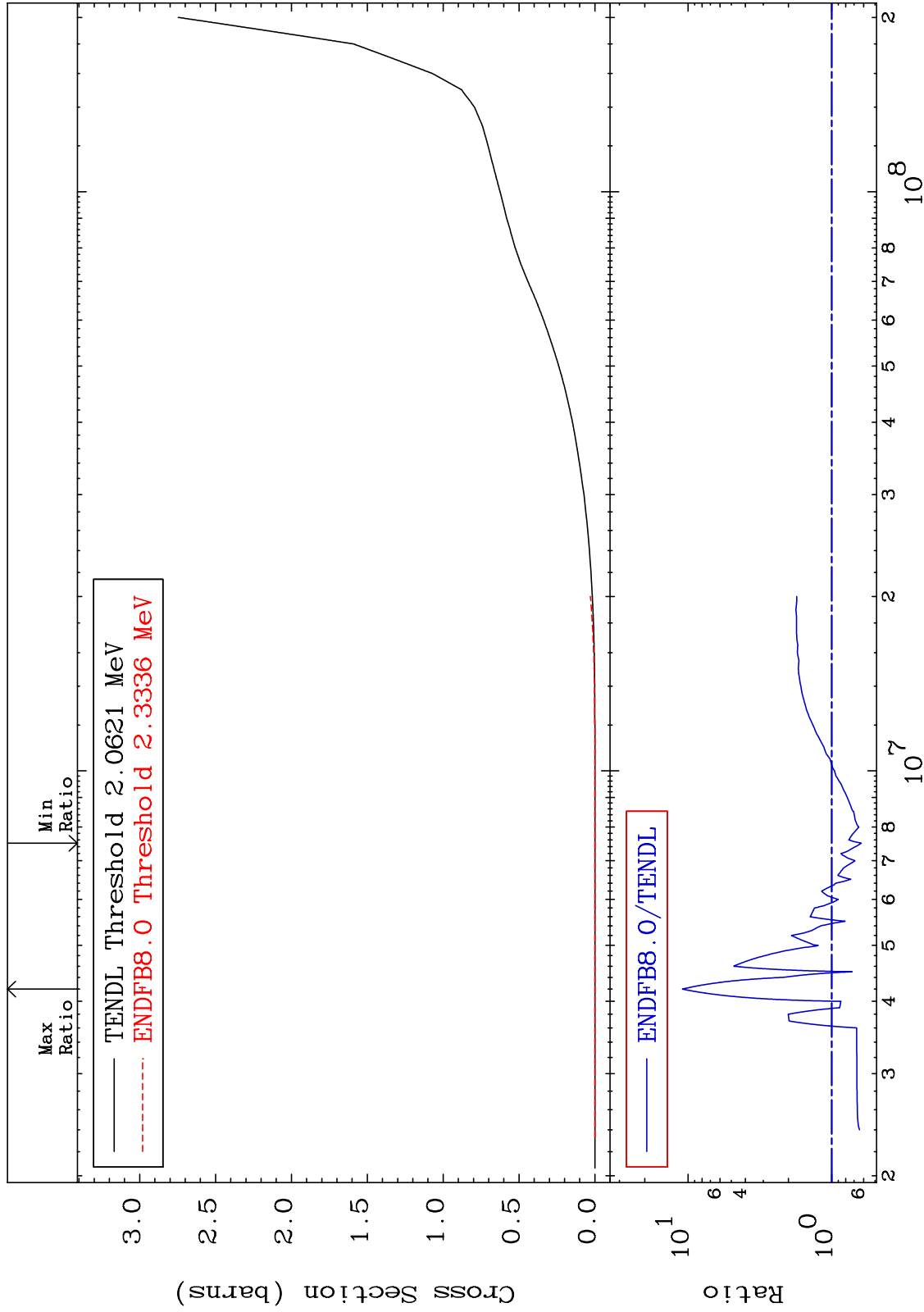


41 72-Hf-180

MAT 7243

Hydrogen Production
Cross Section

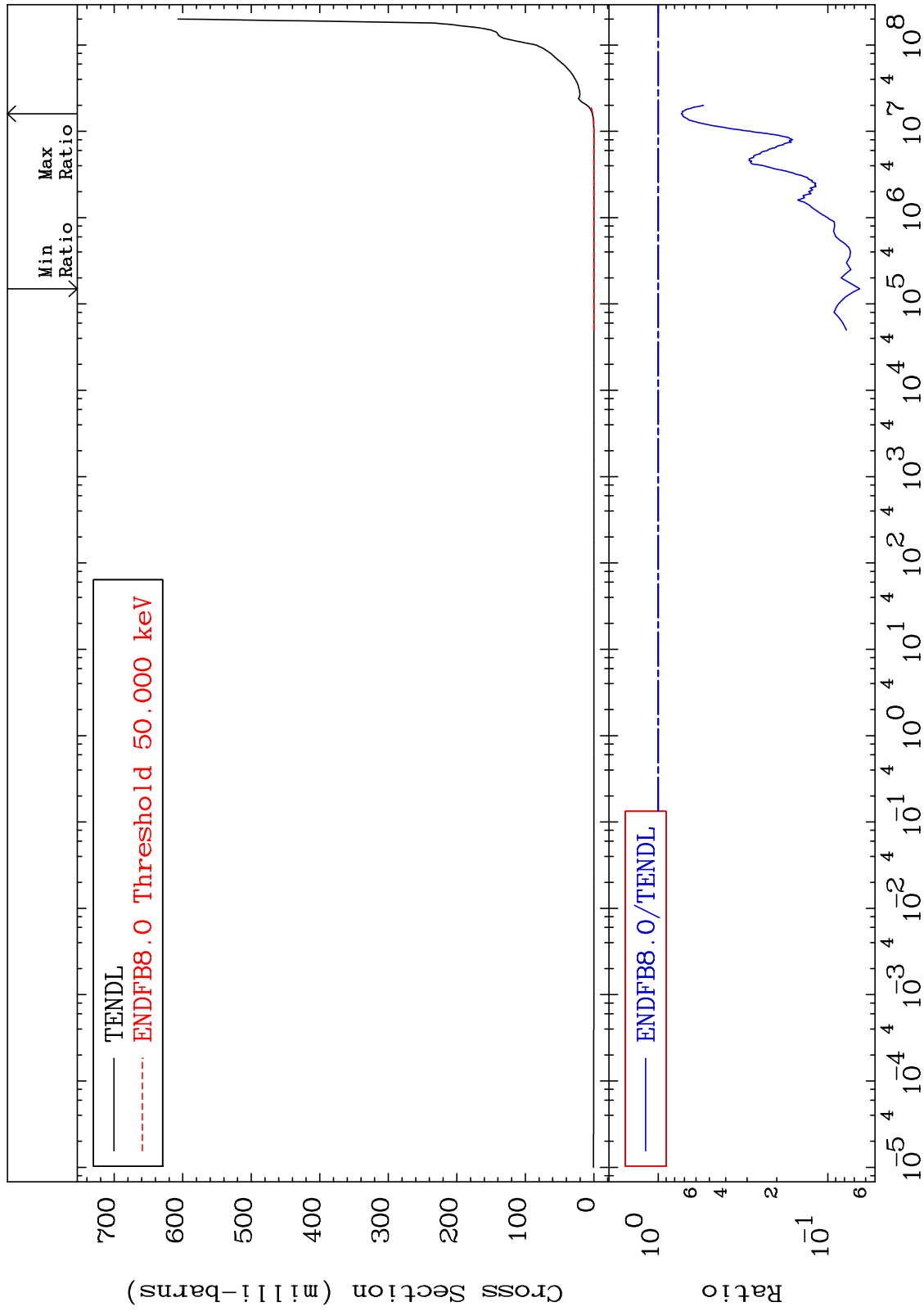
72-Hf-180
-37.65 To 994.1 %



MAT 7243

He-4 Production
Cross Section

72-Hf-180
-93.51 To -26.78%

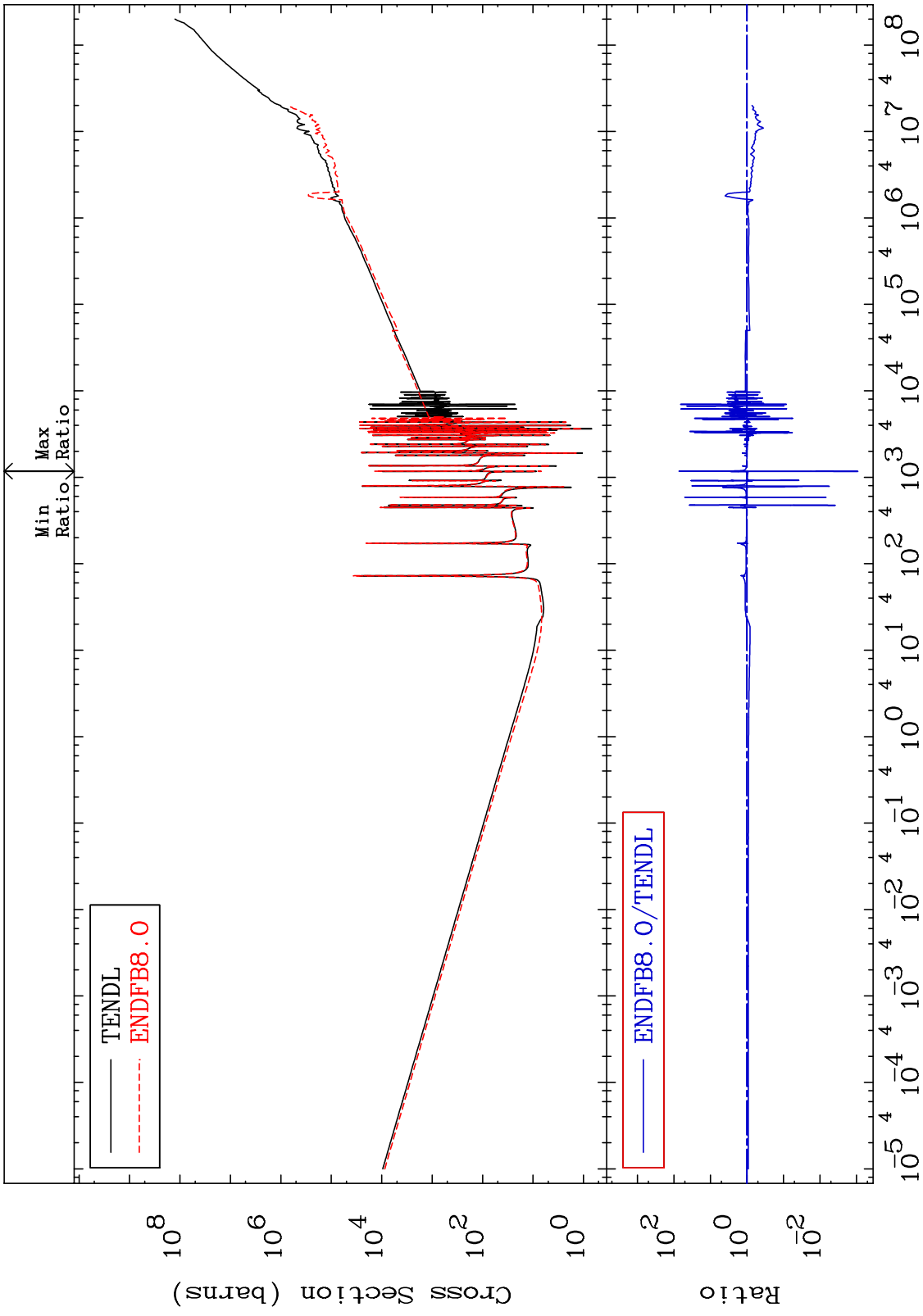


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Incident Energy (eV)

72-Hf-180

MAT 7243 Kerma total (eV-barns) 72-Hf-180
 Cross Section -99.91 To 7120. %

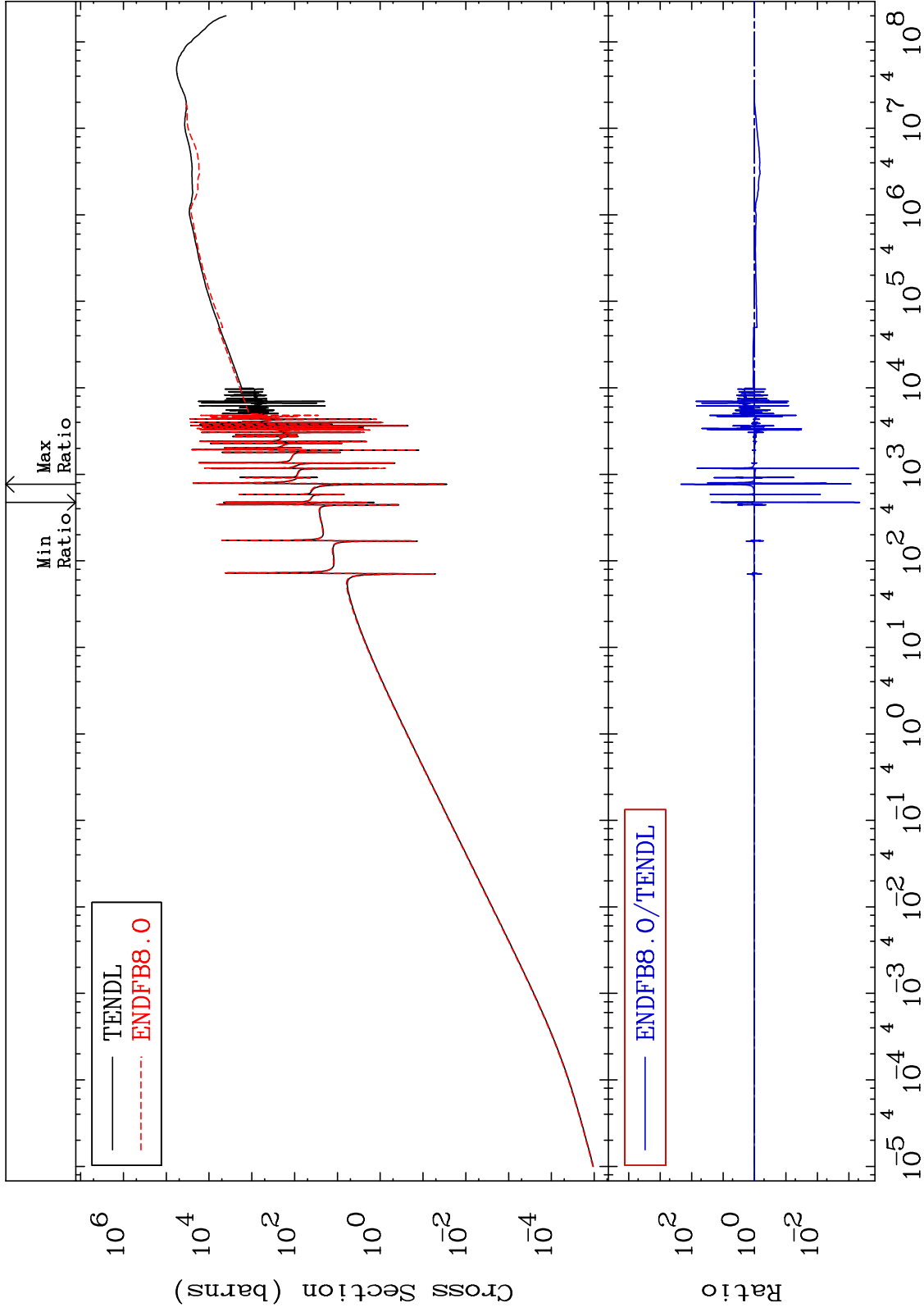


44 Incident Energy (eV) 72-Hf-180

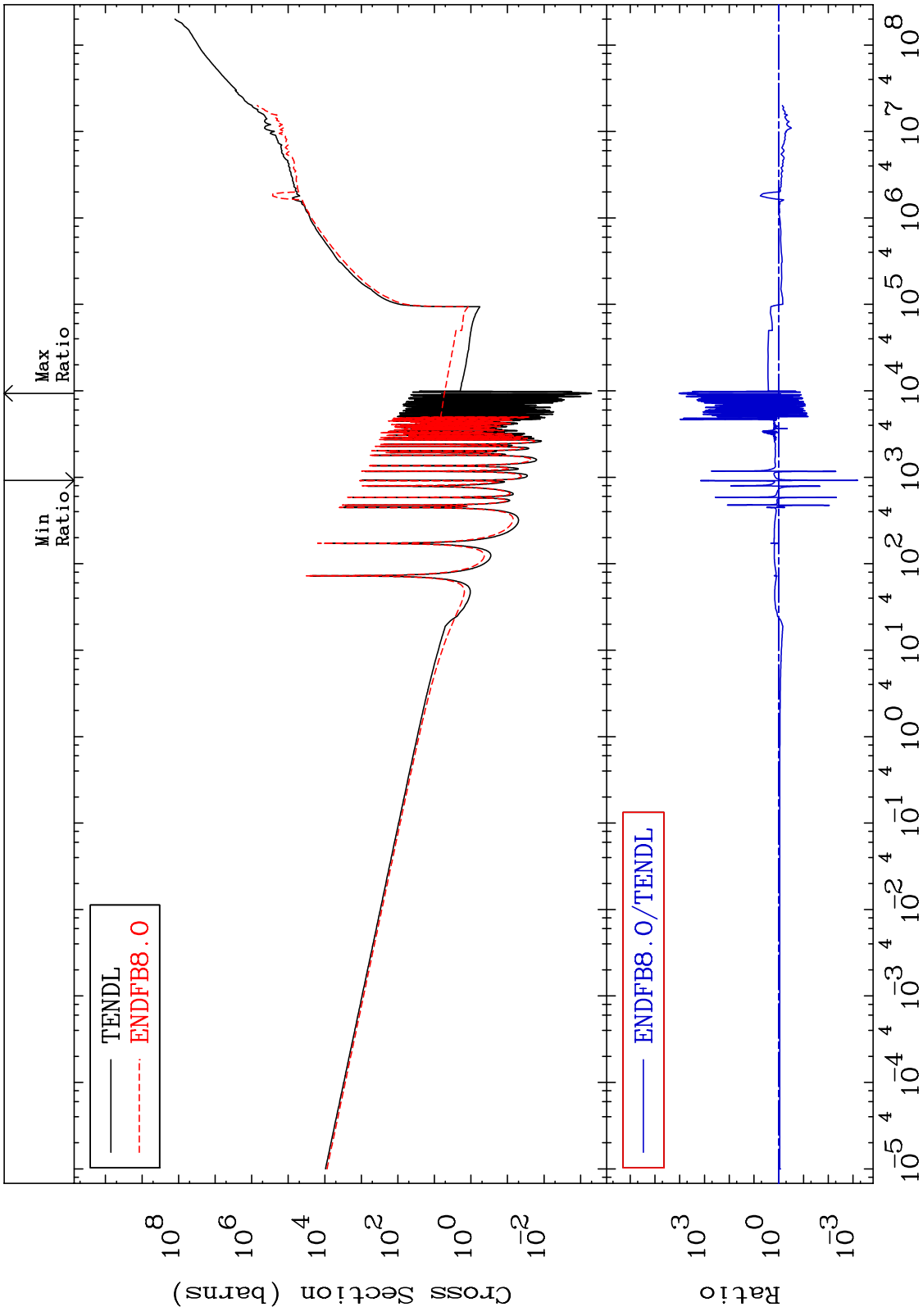
MAT 7243

Kerma elastic
Cross Section

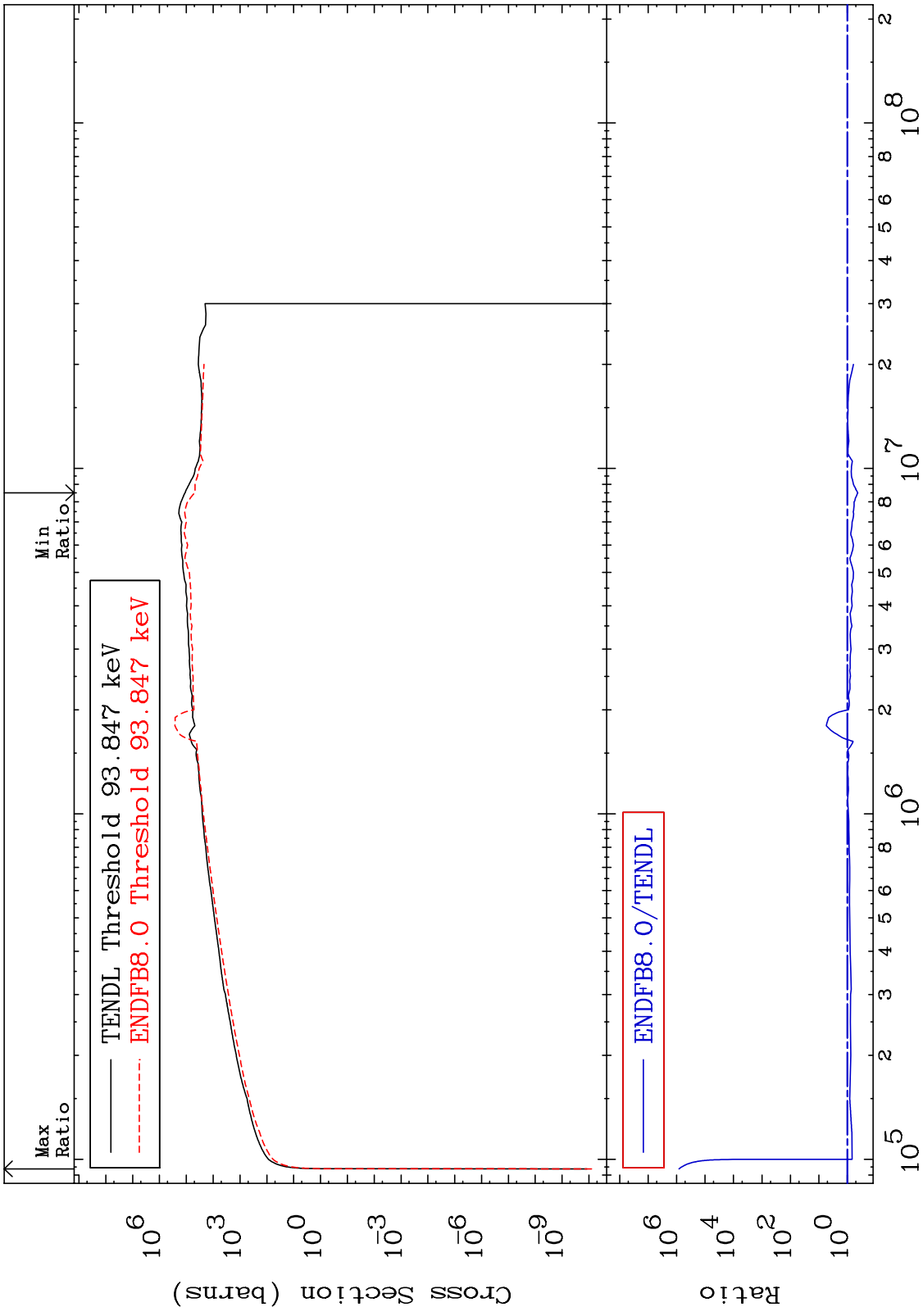
72-Hf-180
-99.95 To 9999. %



MAT 7243 Kerma non-elastic (all but mt2) 72-Hf-180
 -99.94 To 9999. %
 Cross Section



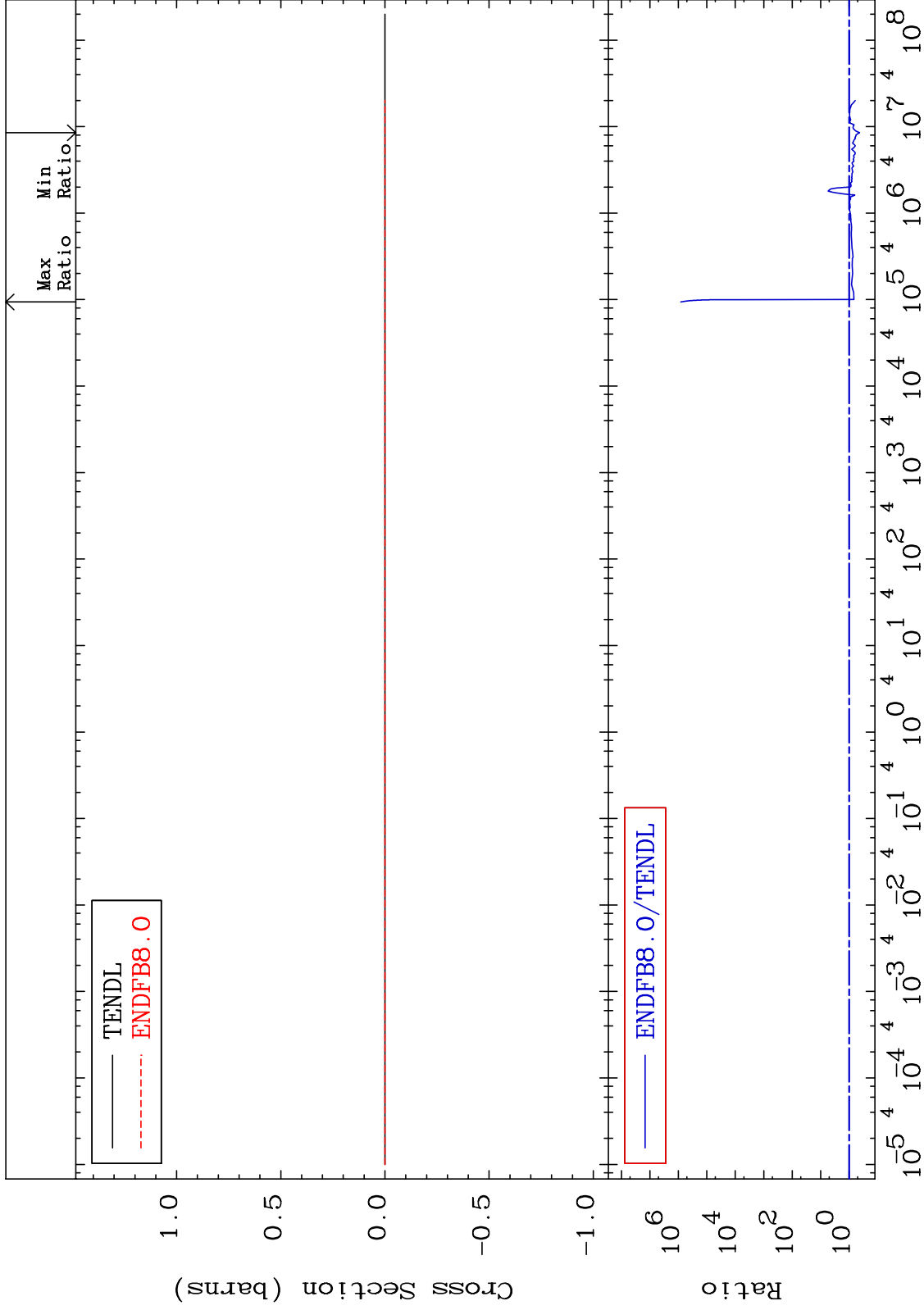
MAT 7243 Kerma inelastic (mt51-91) 72-Hf-180
-57.42 To 9999. %
Cross Section



MAT 7243

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

72-Hf-180
-57.42 To 9999. %

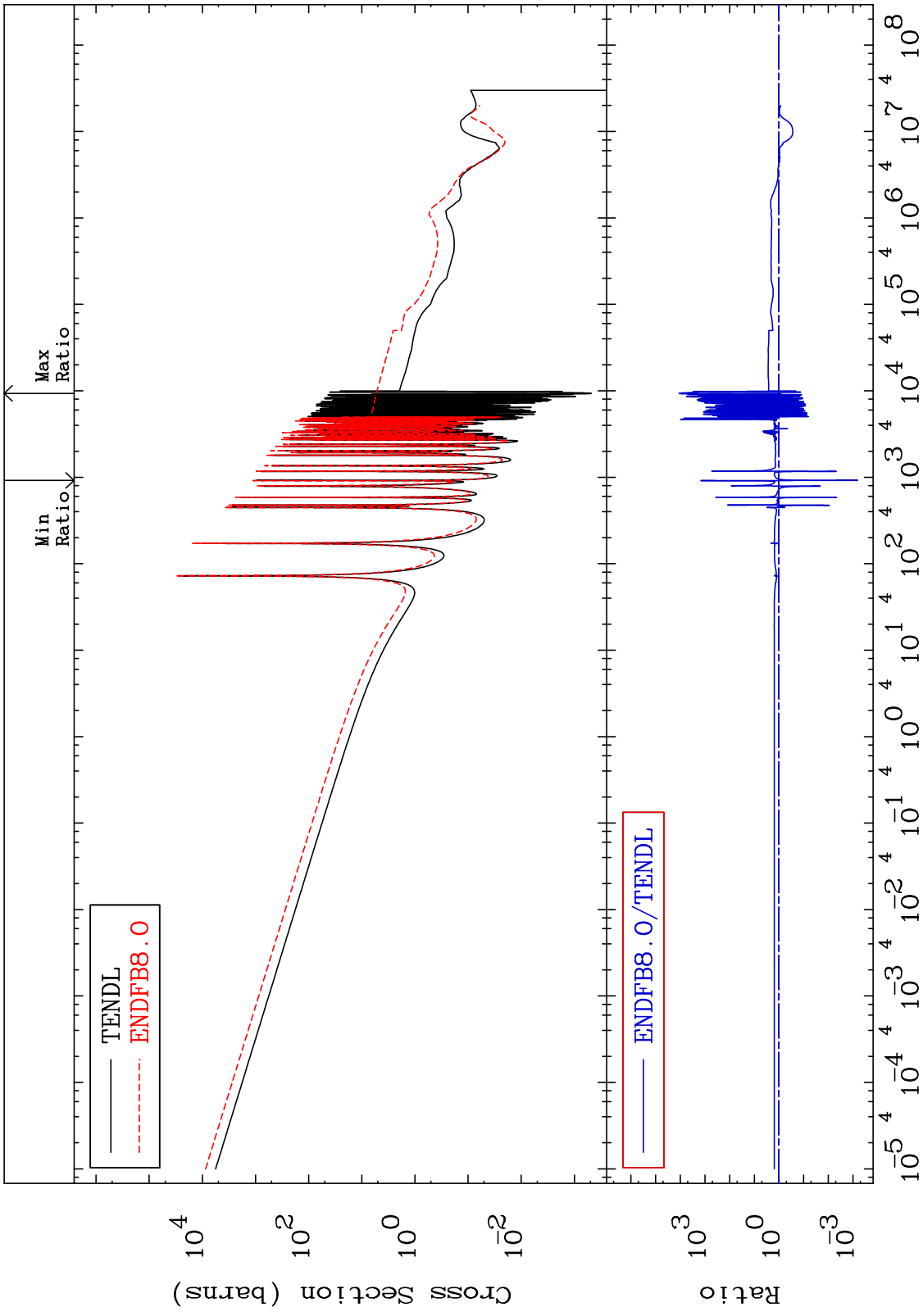


48

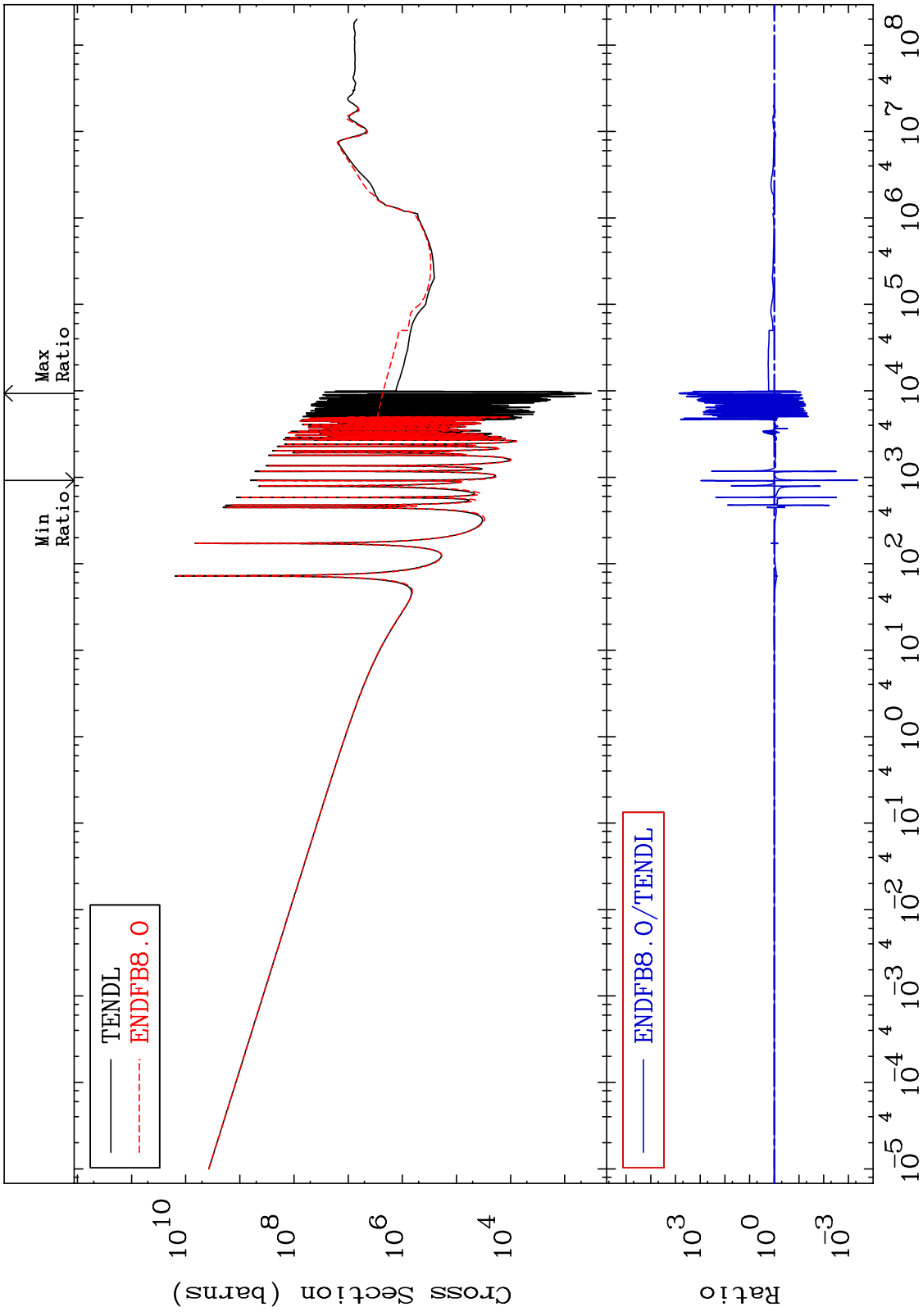
Incident Energy (eV)

72-Hf-180

MAT 7243 Kerma capture (mt102) 72-Hf-180
 Cross Section -99.94 To 9999. %

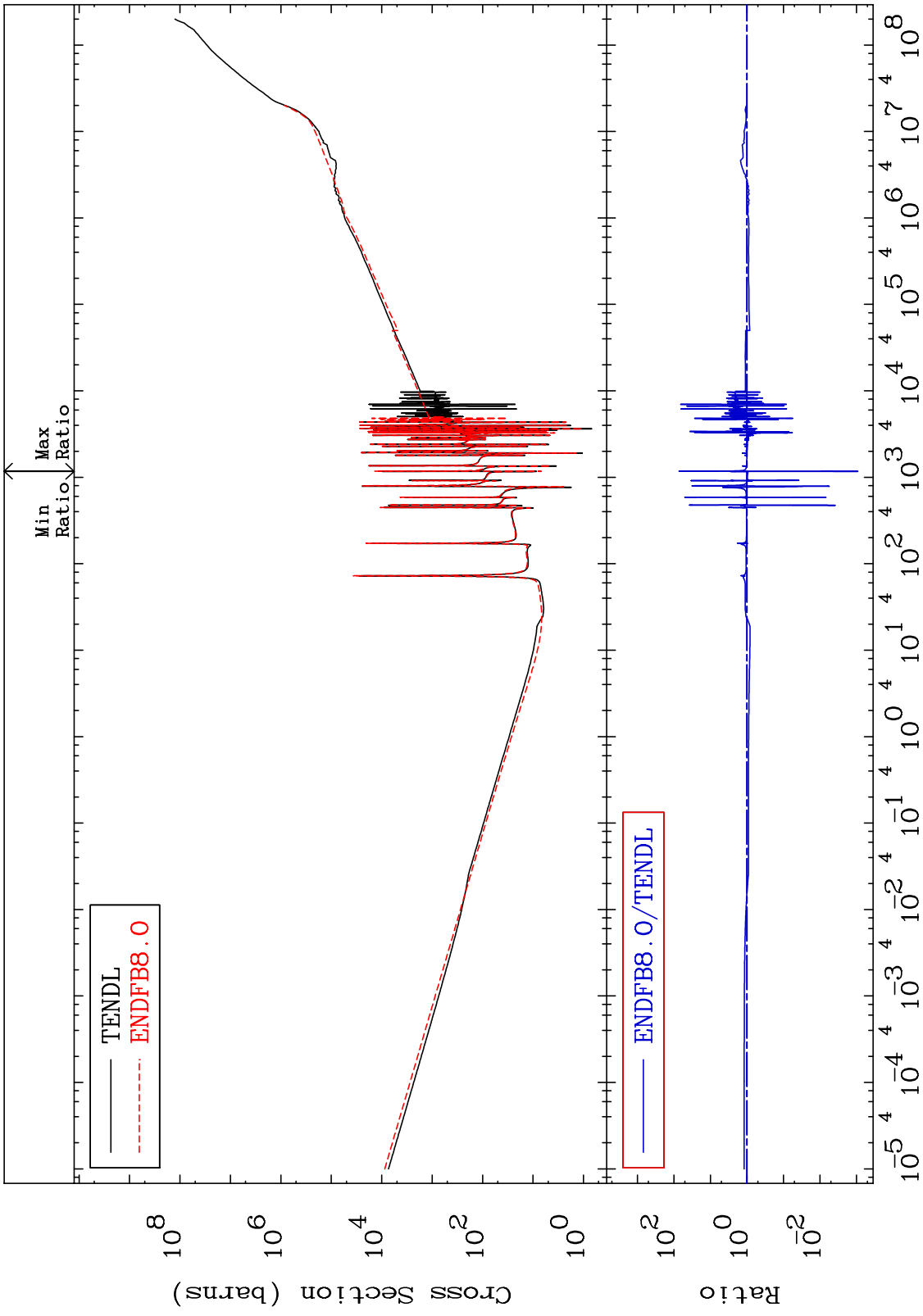


MAT 7243 72-Hf-180
-99.96 To 9999. %
 Total photon (eV-barns)
 Cross Section

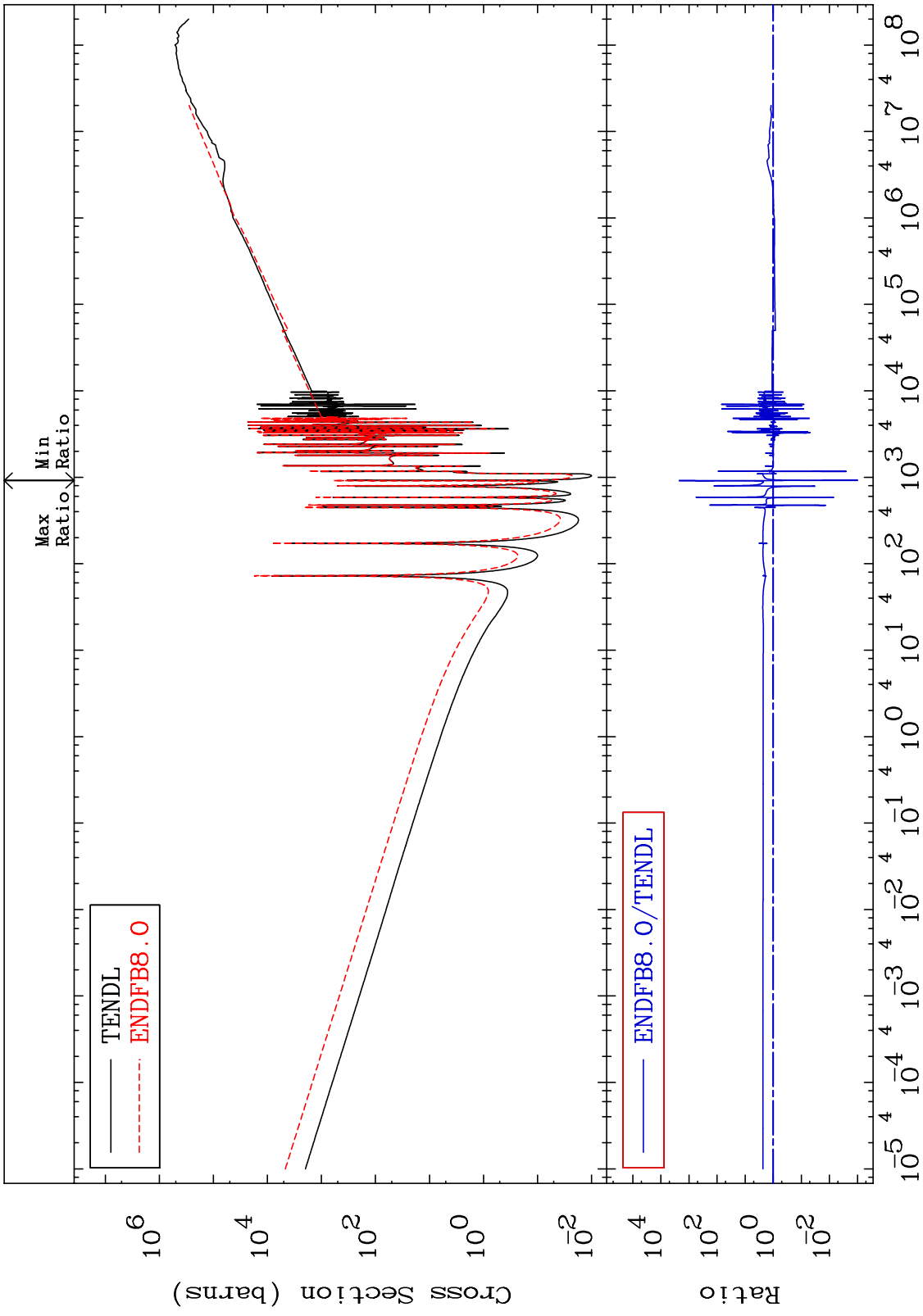


50 72-Hf-180

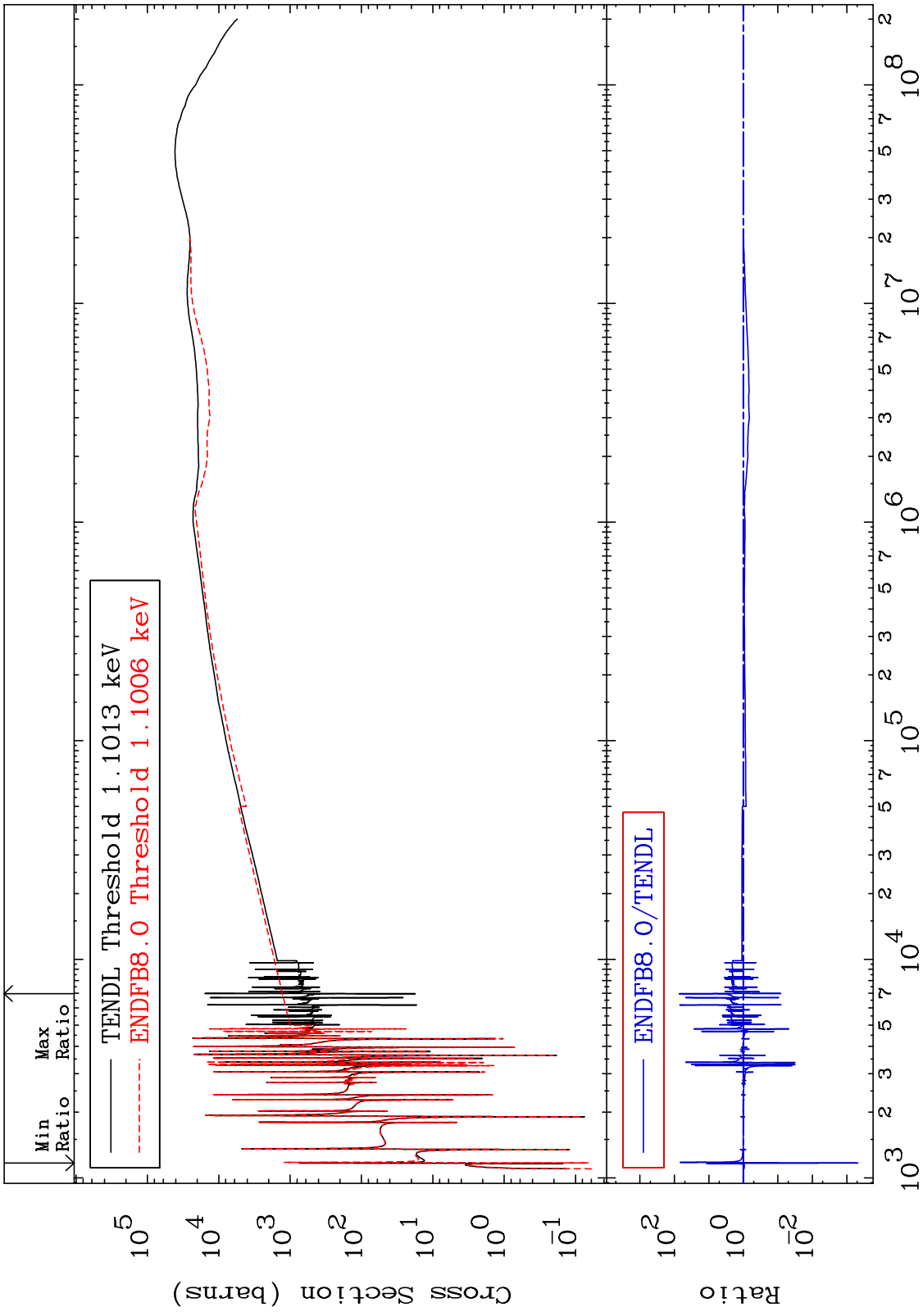
MAT 7243 Total kinematic kerma (high limit) 72-Hf-180
 Cross Section -99.91 To 7120. %



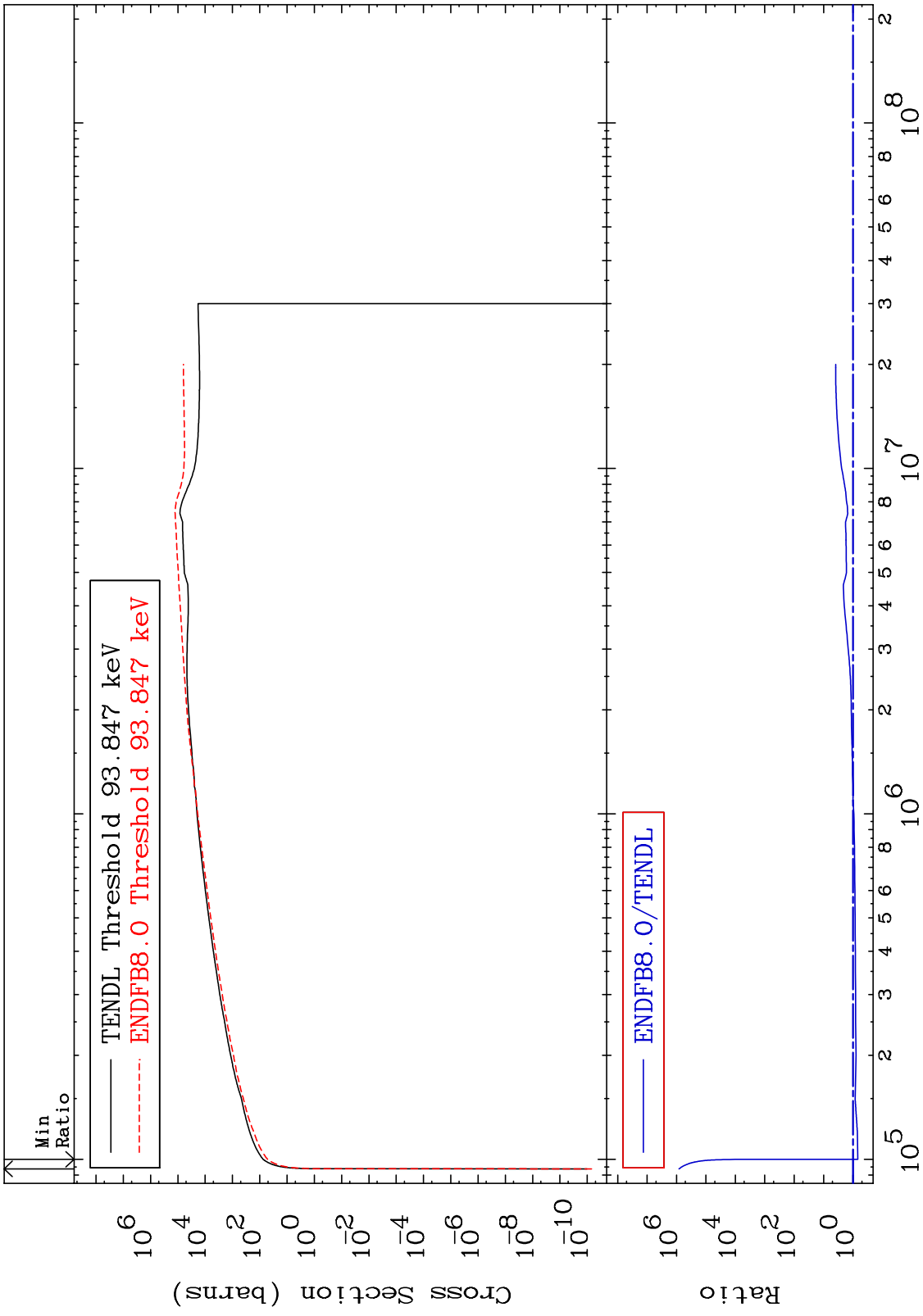
MAT 7243 Dpa total (eV-barns) 72-Hf-180
 Cross Section -99.90 To 9999. %



MAT 7243 72-Hf-180
 Dpa elastic (mt2) -99.95 To 7233. %
 Cross Section



MAT 7243 Dpa inelastic (mt51-91) 72-Hf-180
 Cross Section -31.54 To 9999. %



MAT 7243 Dpa disappearance (mt102 -120) 72-Hf-180
 Cross Section -99.90 To 9999. %

