

Program Complot
(Version 2018-1)

by

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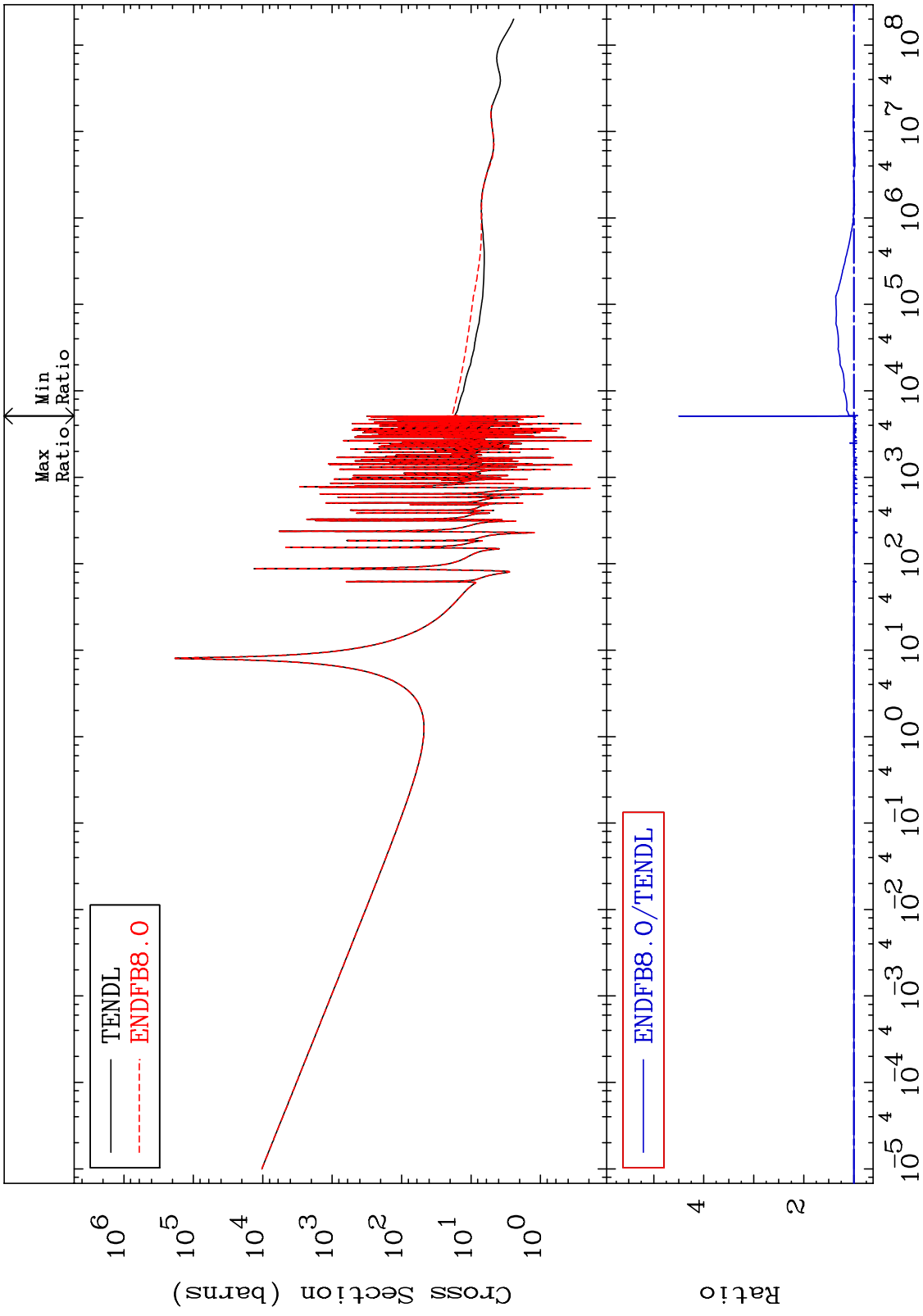
U.S.A.

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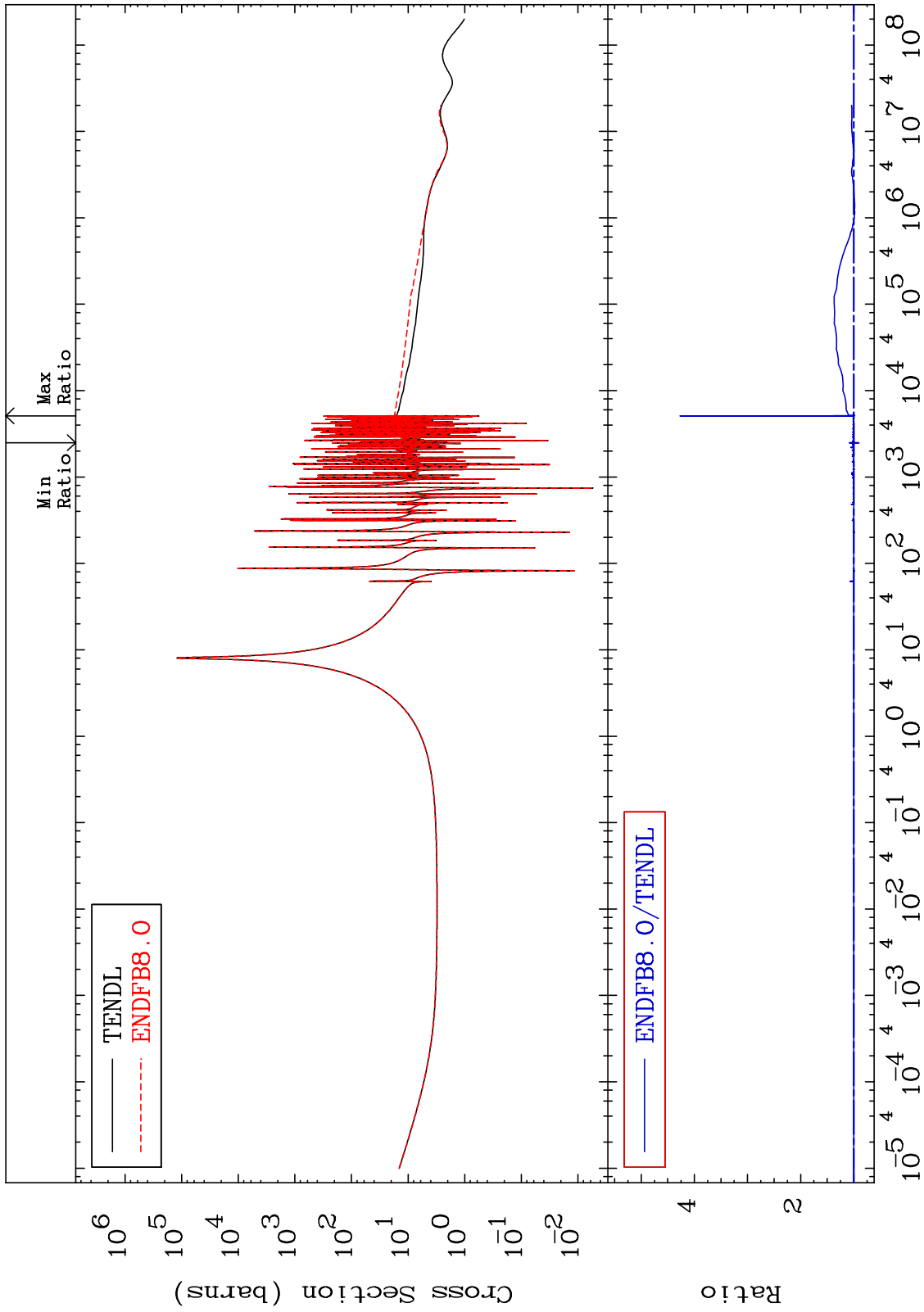
Press Mouse Button to Start

MAT 6249 Total Cross Section 62-Sm-152 -8.145 To 349.4 %



62-Sm-152

MAT 6249 Elastic Cross Section 62-Sm-152 -9.629 To 326.6 %

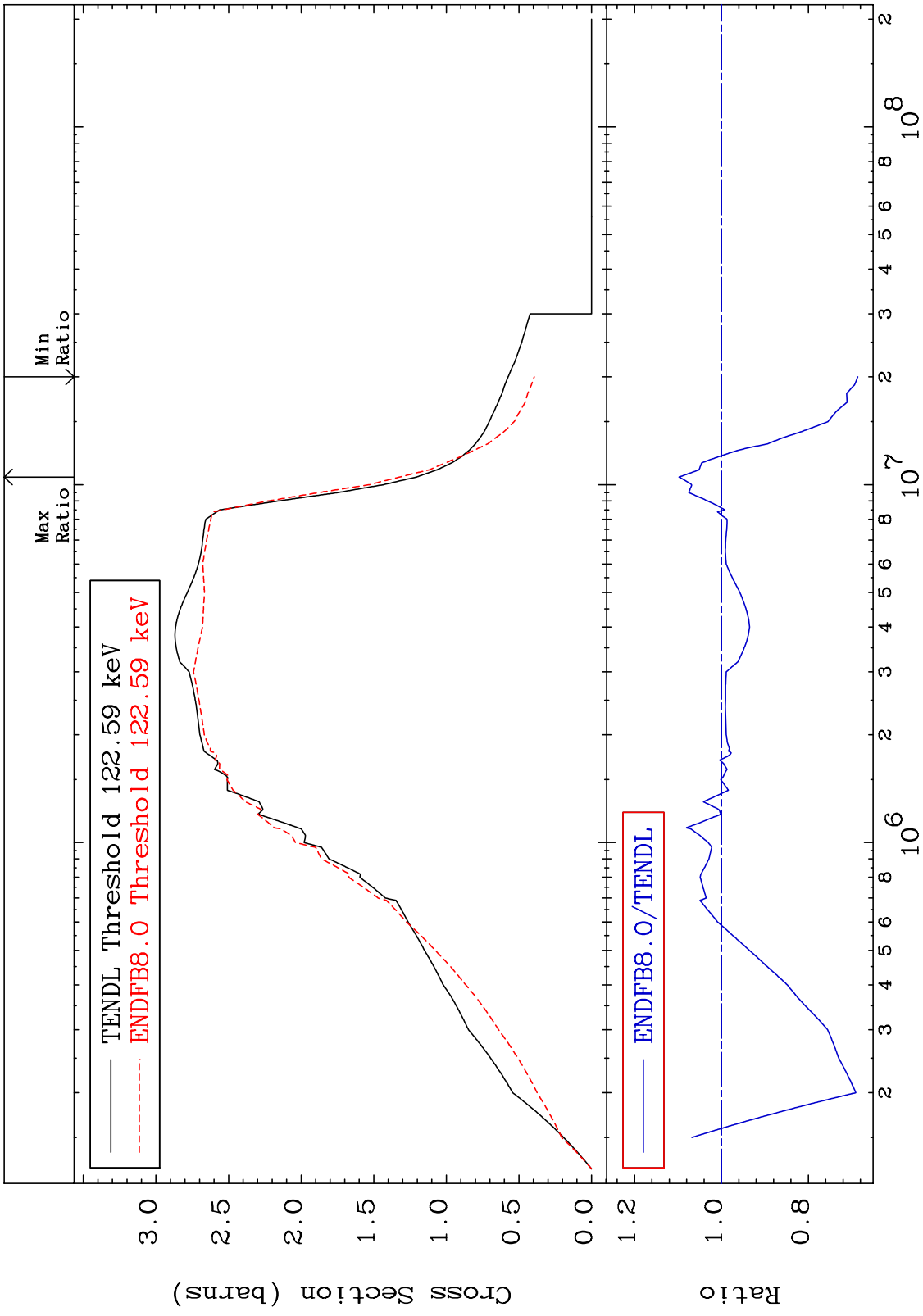


62-Sm-152

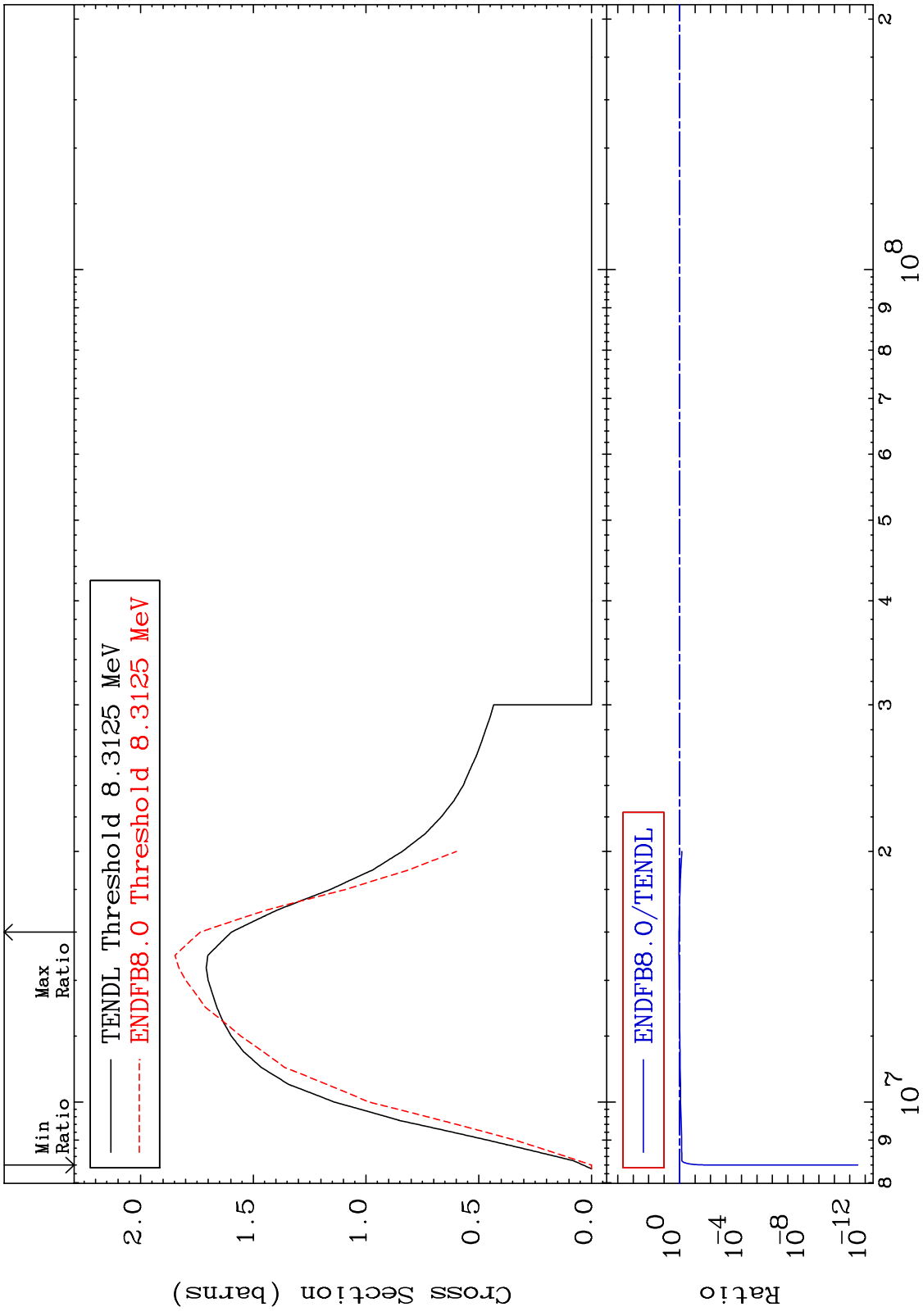
Incident Energy (eV)

2

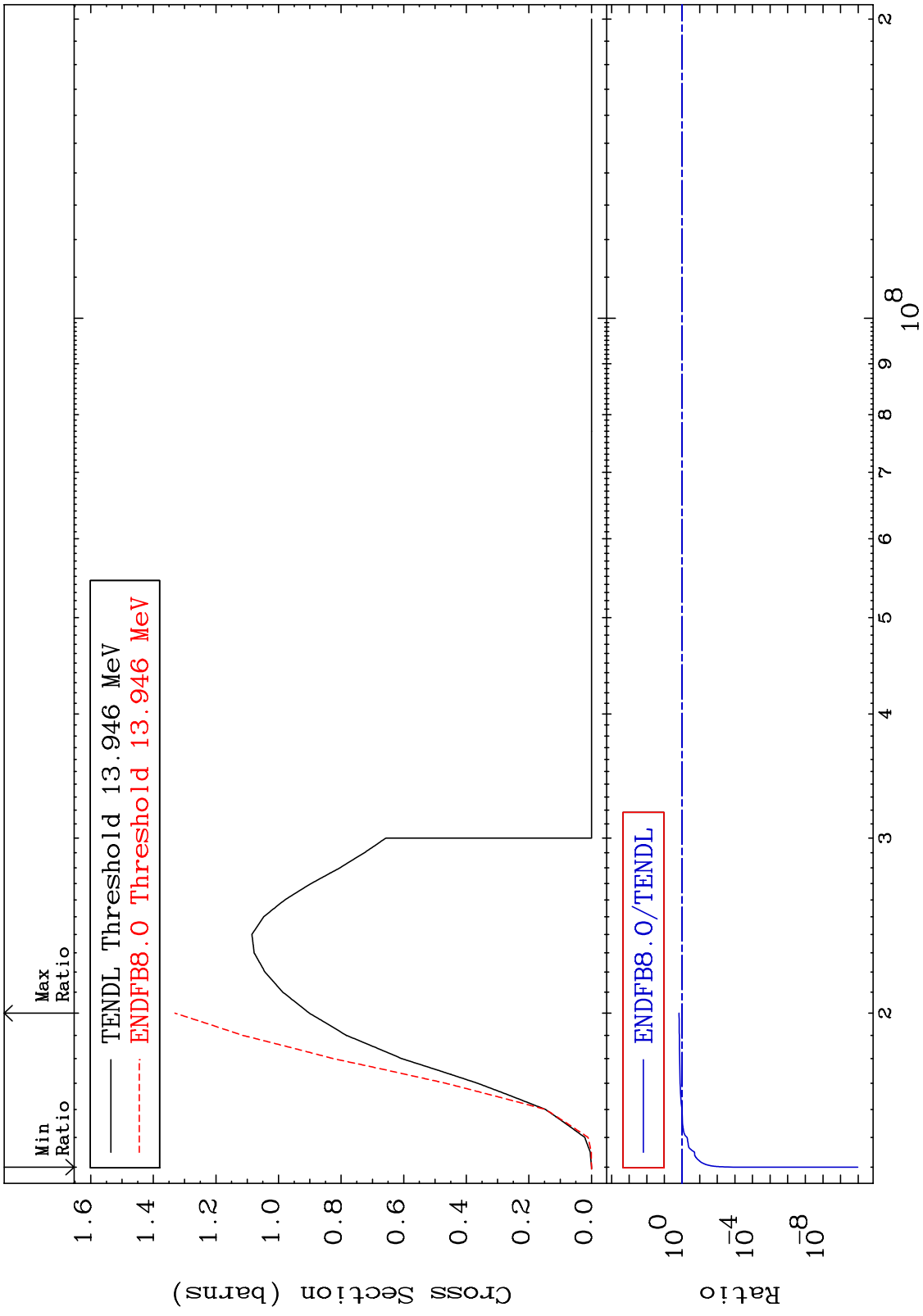
MAT 6249 Inelastic Cross Section 62-Sm-152 -31.39 To 9.754 %



MAT 6249 (n,2n) Cross Section 62-Sm-152 -100.0 To 8.688 %



MAT 6249 (n,3n) Cross Section 62-Sm-152 -100.0 To 47.60 %



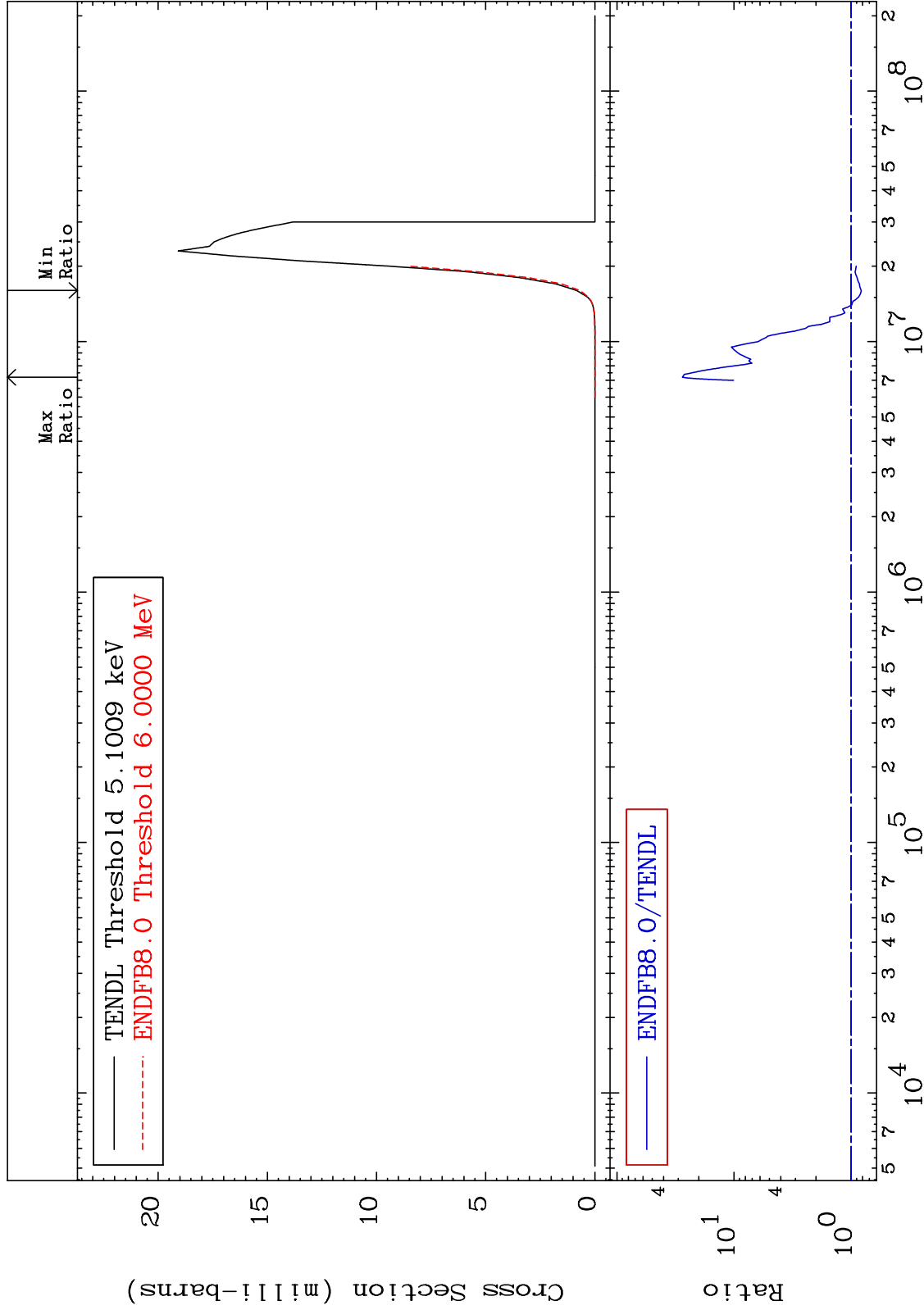
MAT 6249

(n,n') α

62-Sm-152

-17.99 To 2660. %

Cross Section



6

Incident Energy (eV)

62-Sm-152

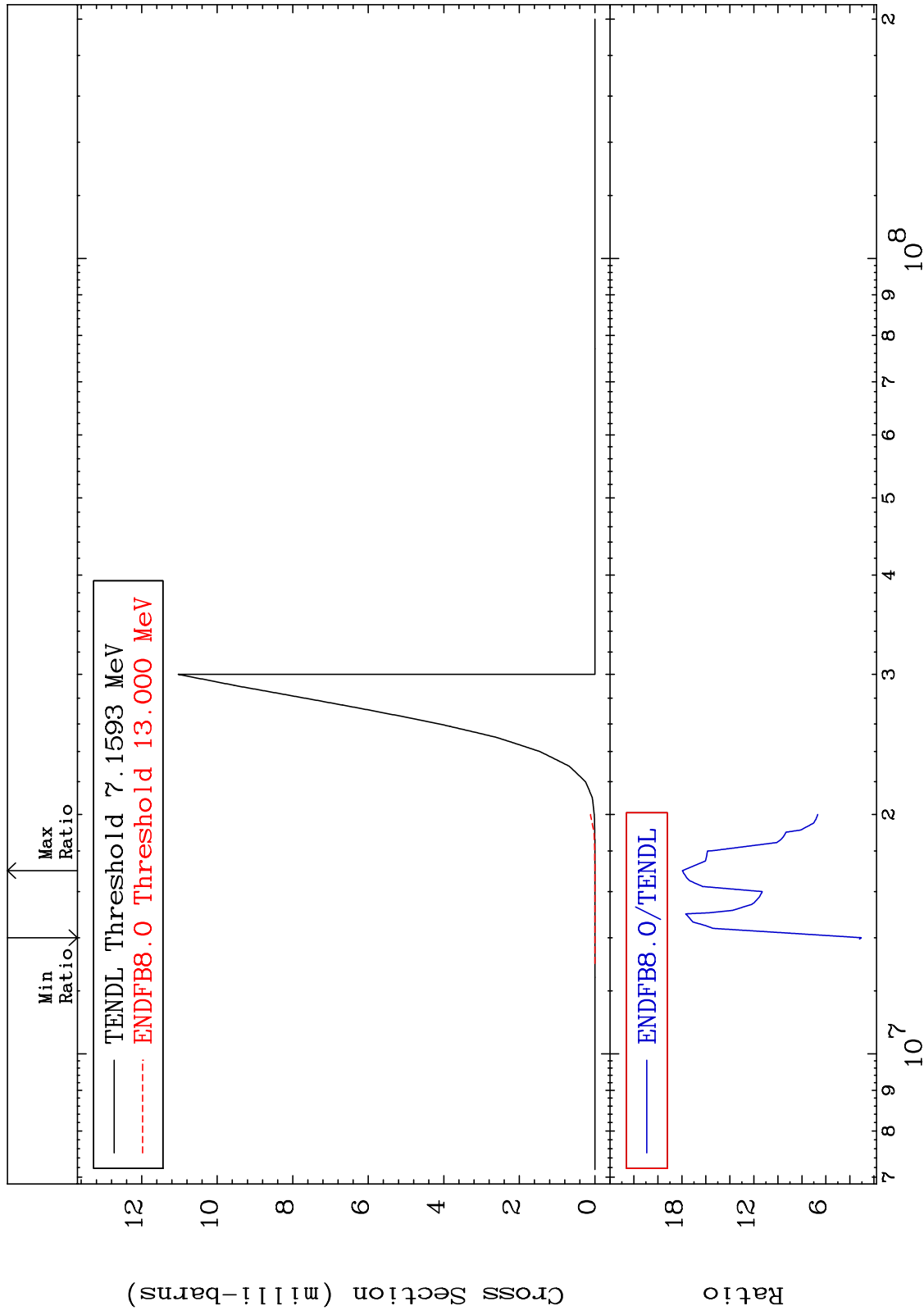
MAT 6249

(n,2n) α

62-Sm-152

205.1 To 1695. %

Cross Section

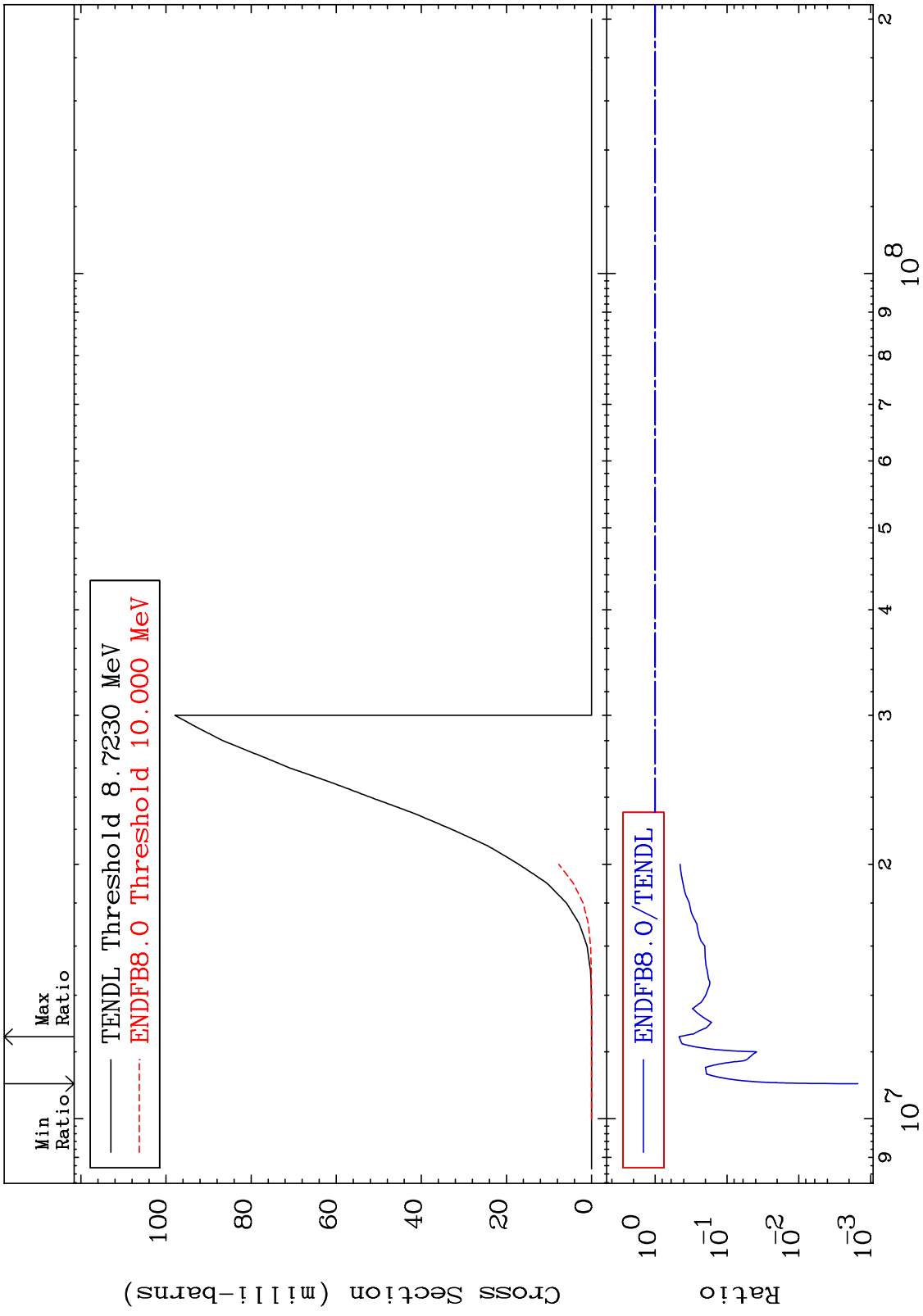


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Incident Energy (eV)

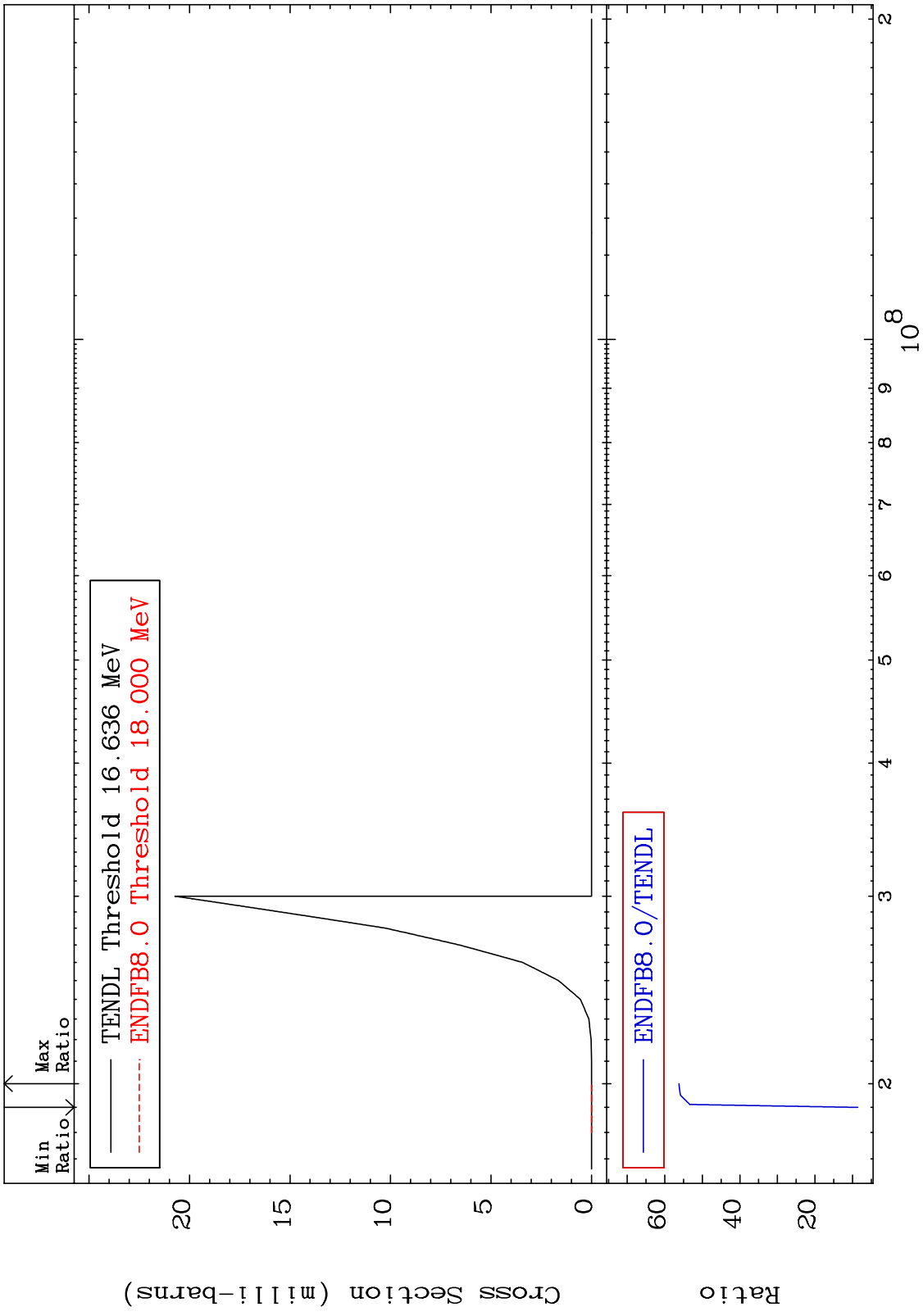
62-Sm-152

MAT 6249 (n,n') p 62-Sm-152
 Cross Section -99.85 To -53.45%

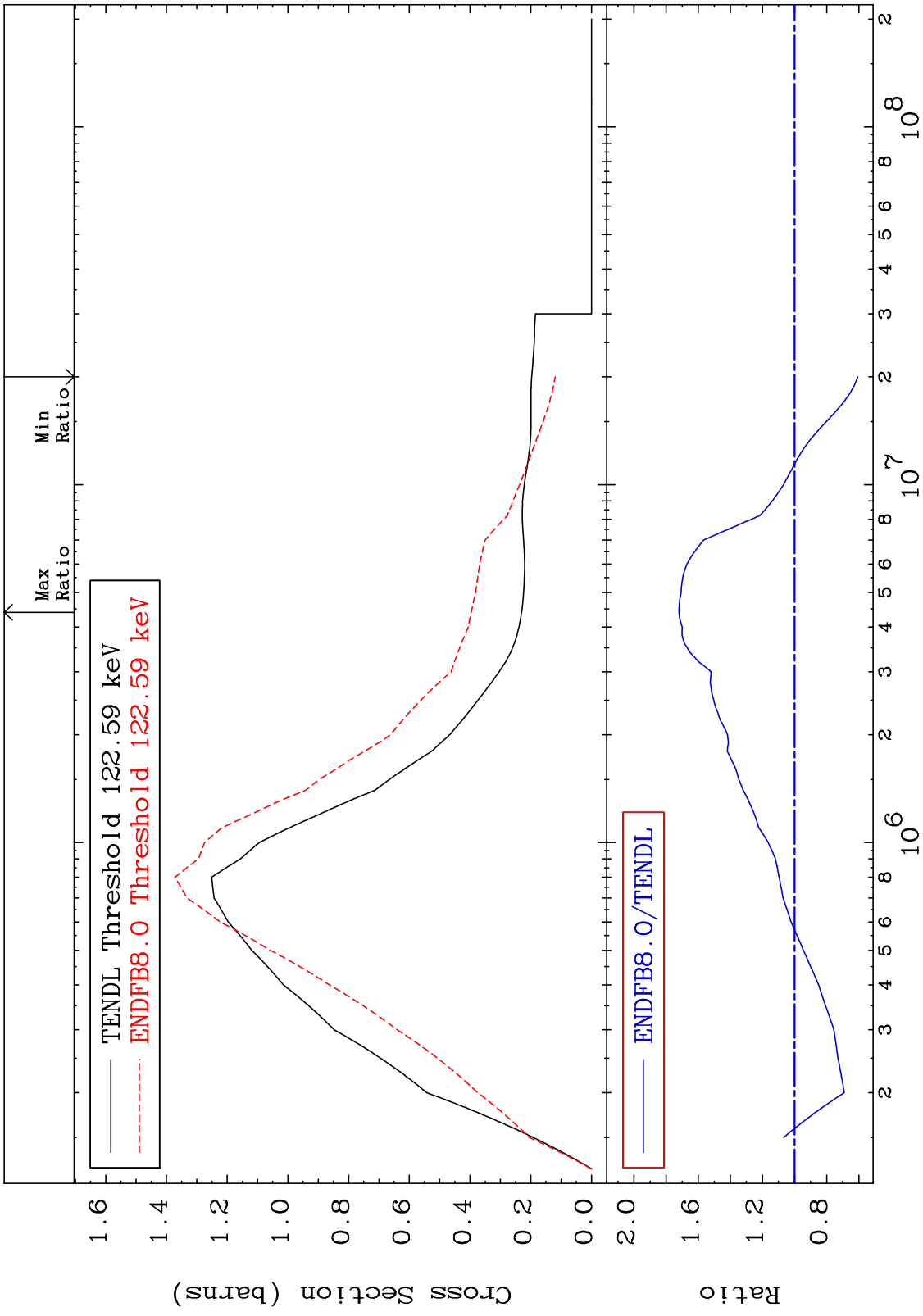


8 9 10⁷ 2 3 4 5 6 7 8 9 10⁸ 2
 62-Sm-152

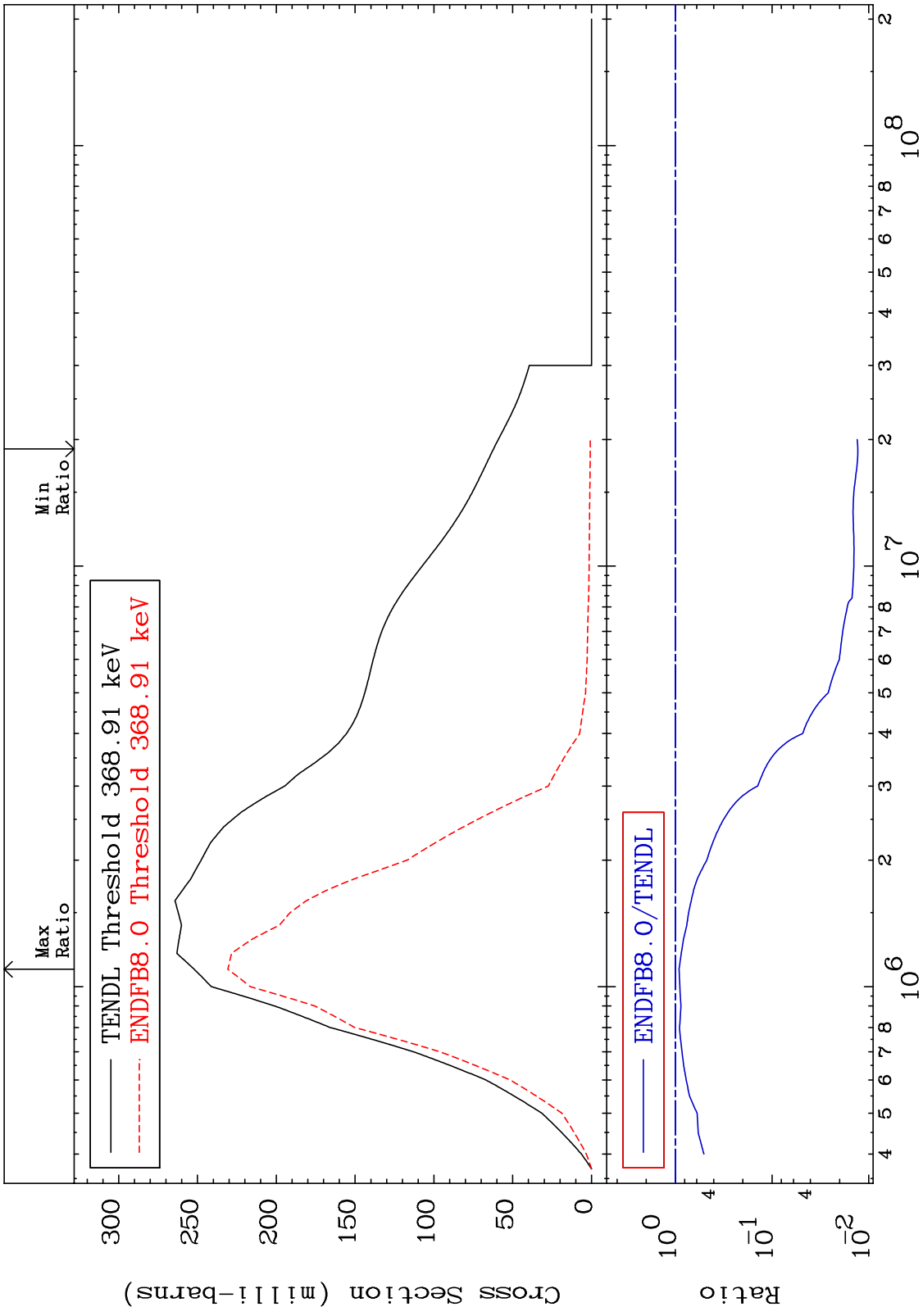
MAT 6249 (n,2n) p 62-Sm-152
 Cross Section -100.0 To -99.99%



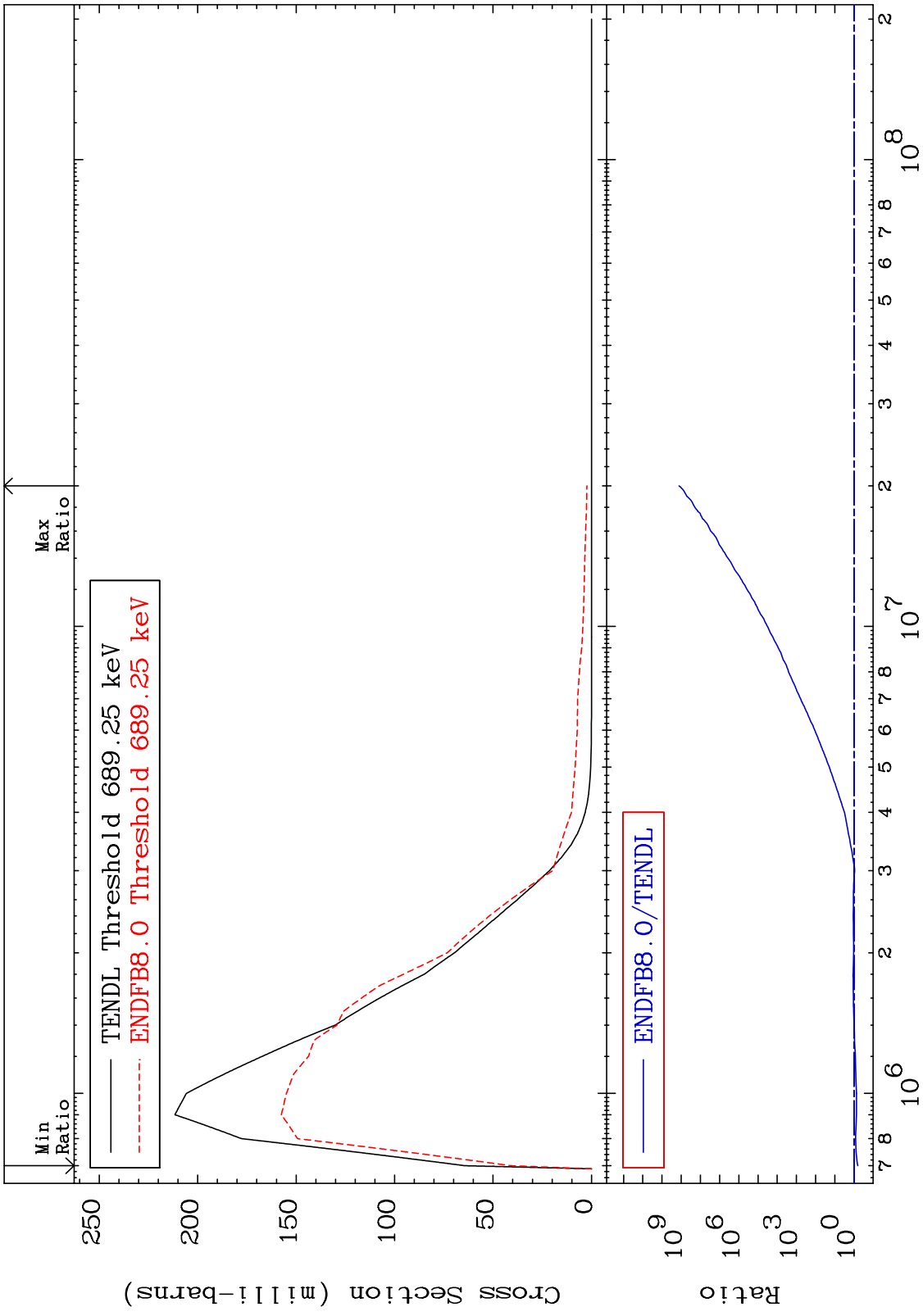
MAT 6249 MT= 51 (n,n') Level Cross Section 62-Sm-152
 -39.40 To 71.95 %



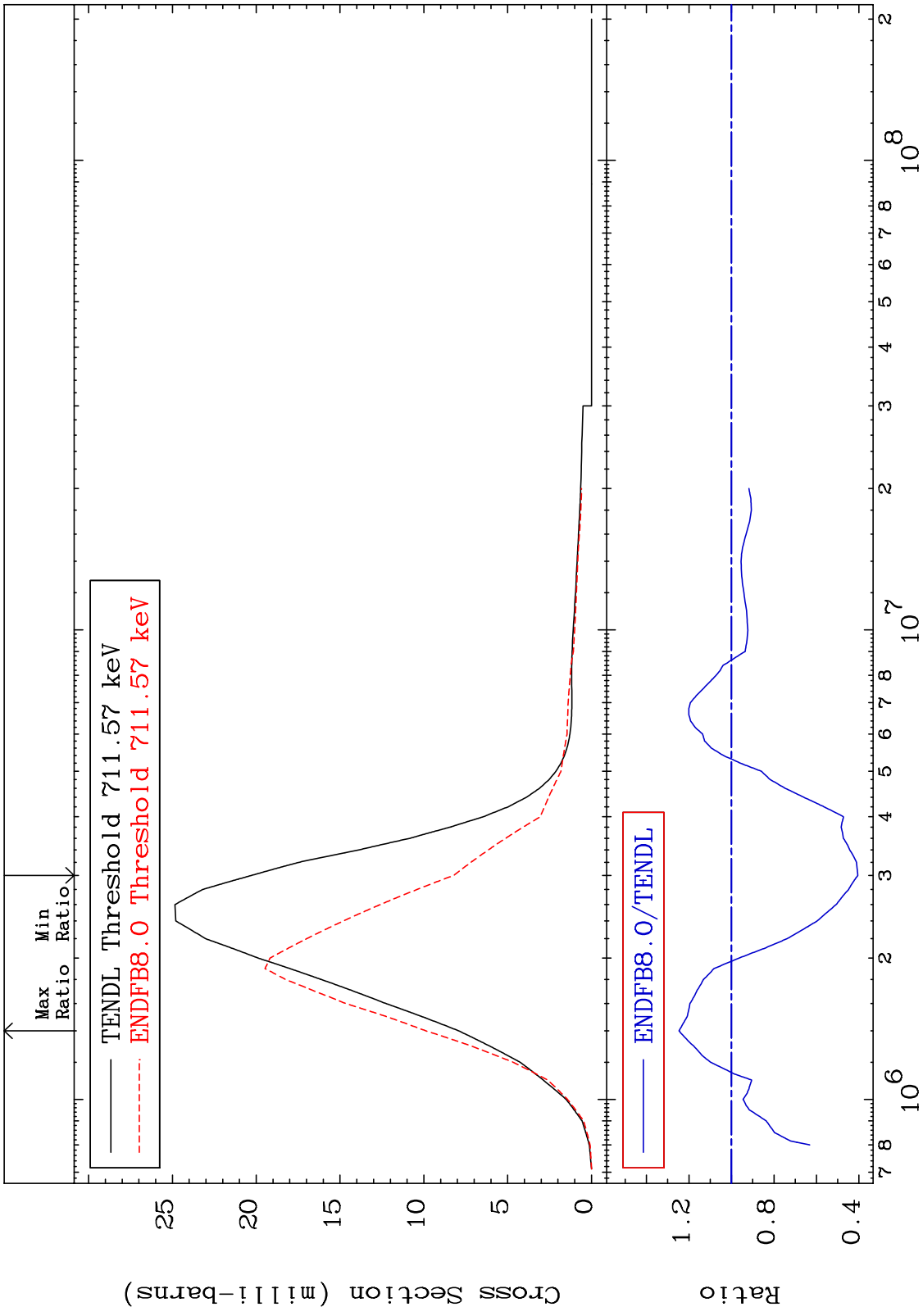
MAT 6249 MT= 52 (n,n') Level Cross Section 62-Sm-152
 -98.71 To -8.497%



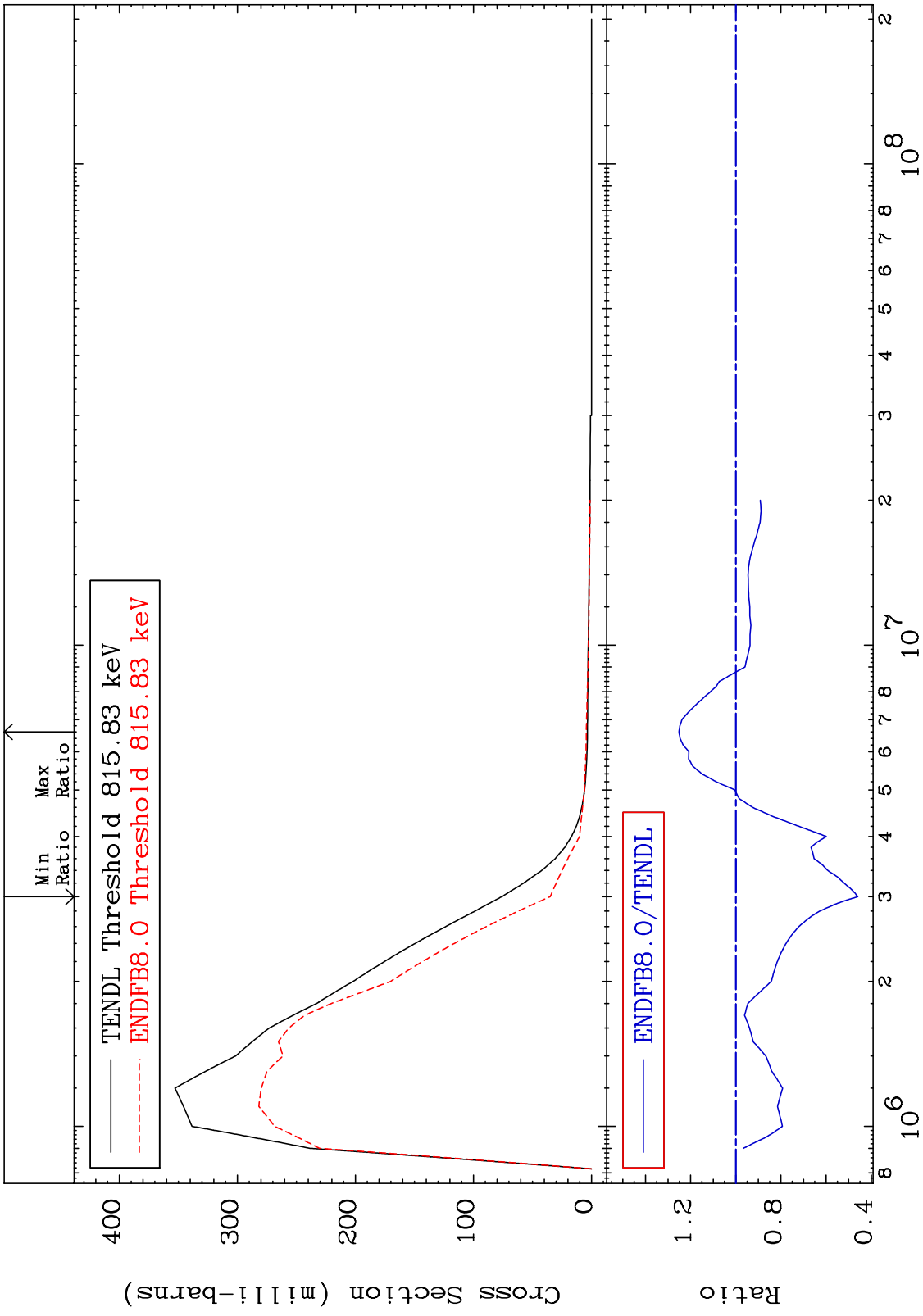
MAT 6249 MT= 53 (n,n') Level 62-Sm-152
 Cross Section -36.43 To 9999. %



MAT 6249 MT= 54 (n,n') Level Cross Section 62-Sm-152 -59.47 To 24.67 %



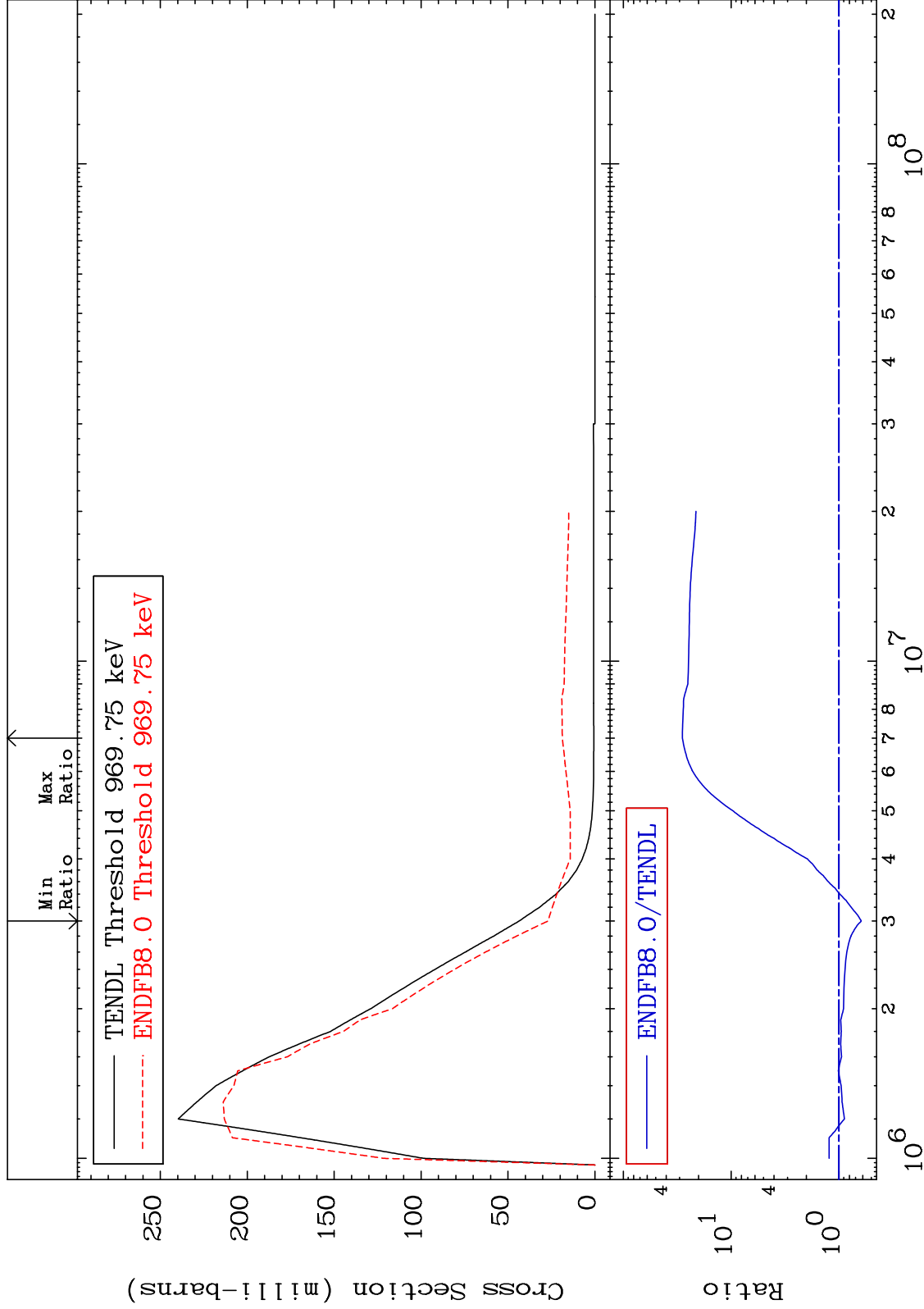
MAT 6249 MT= 55 (n,n') Level Cross Section 62-Sm-152
 -54.05 To 25.12 %



MAT 6249

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

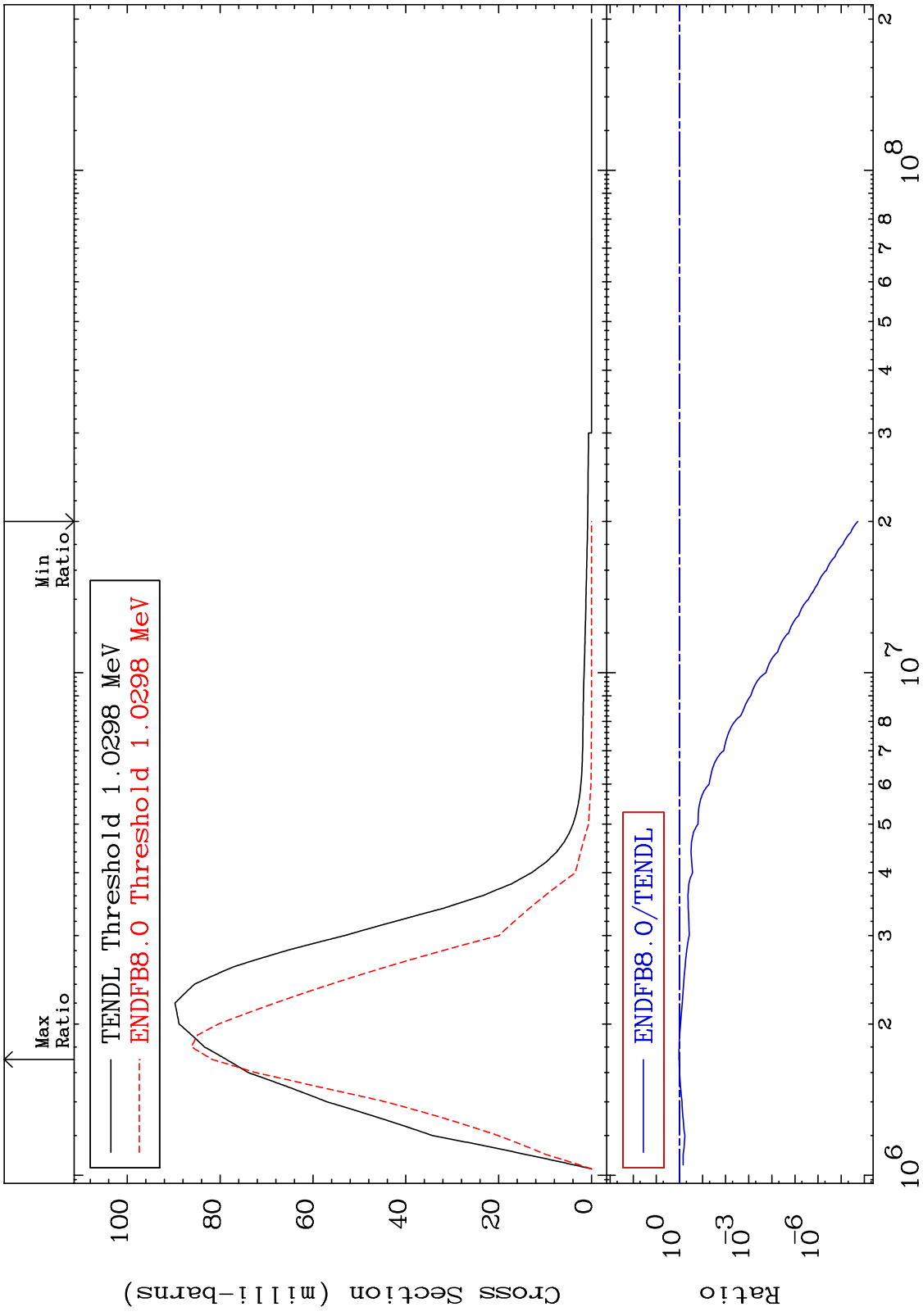
62-Sm-152
-38.03 To 2725. %



62-Sm-152

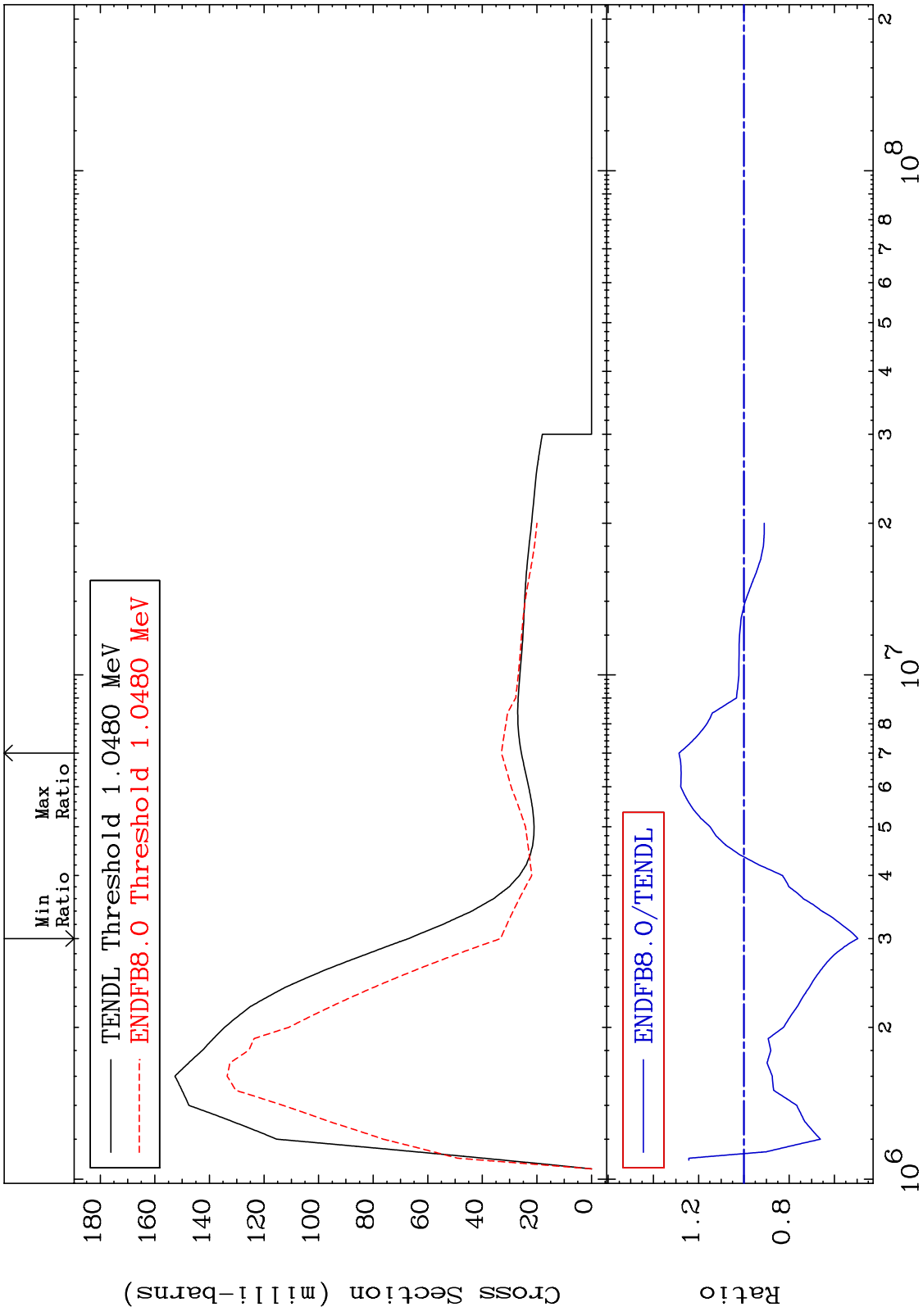
15

MAT 6249 MT= 57 (n,n') Level Cross Section 62-Sm-152
 -100.0 To 3.889 %



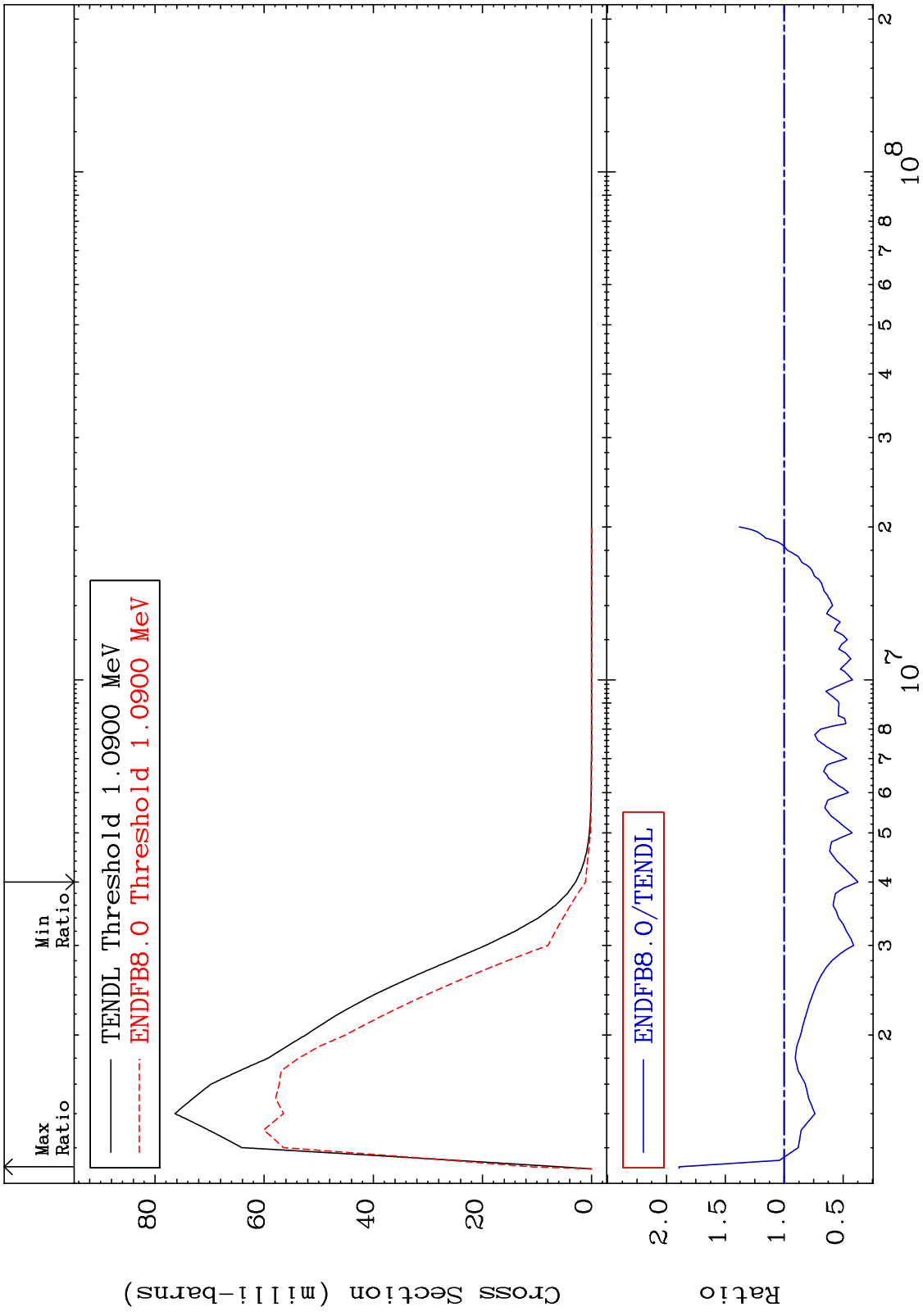
16 Incident Energy (eV) 62-Sm-152

MAT 6249 MT= 58 (n,n') Level Cross Section 62-Sm-152
 -50.35 To 28.63 %

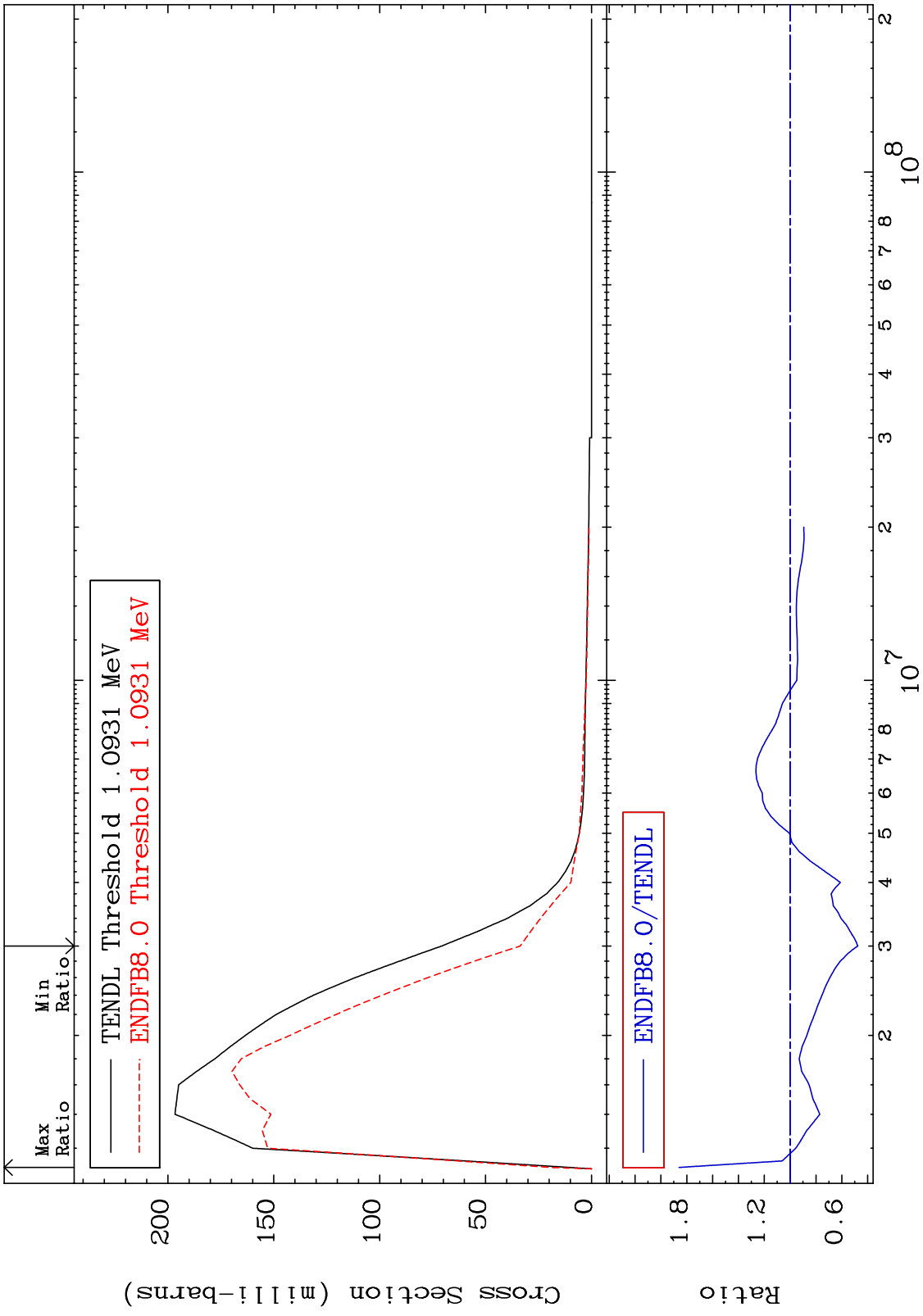


17 Incident Energy (eV) 62-Sm-152

MAT 6249 MT= 59 (n,n') Level Cross Section 62-Sm-152
 -62.54 To 89.30 %

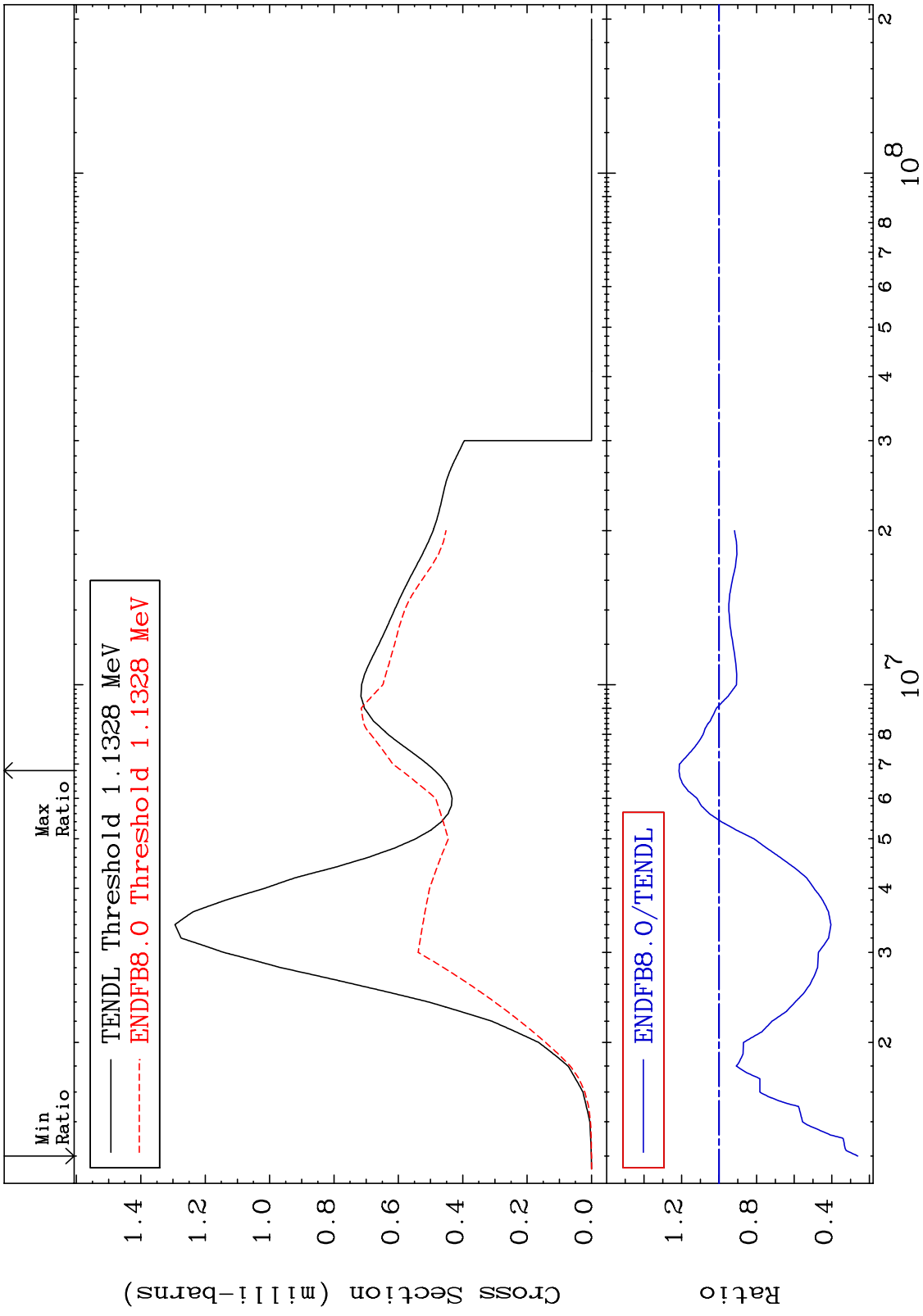


MAT 6249 MT= 60 (n,n') Level Cross Section 62-Sm-152
 -52.44 To 85.96 %

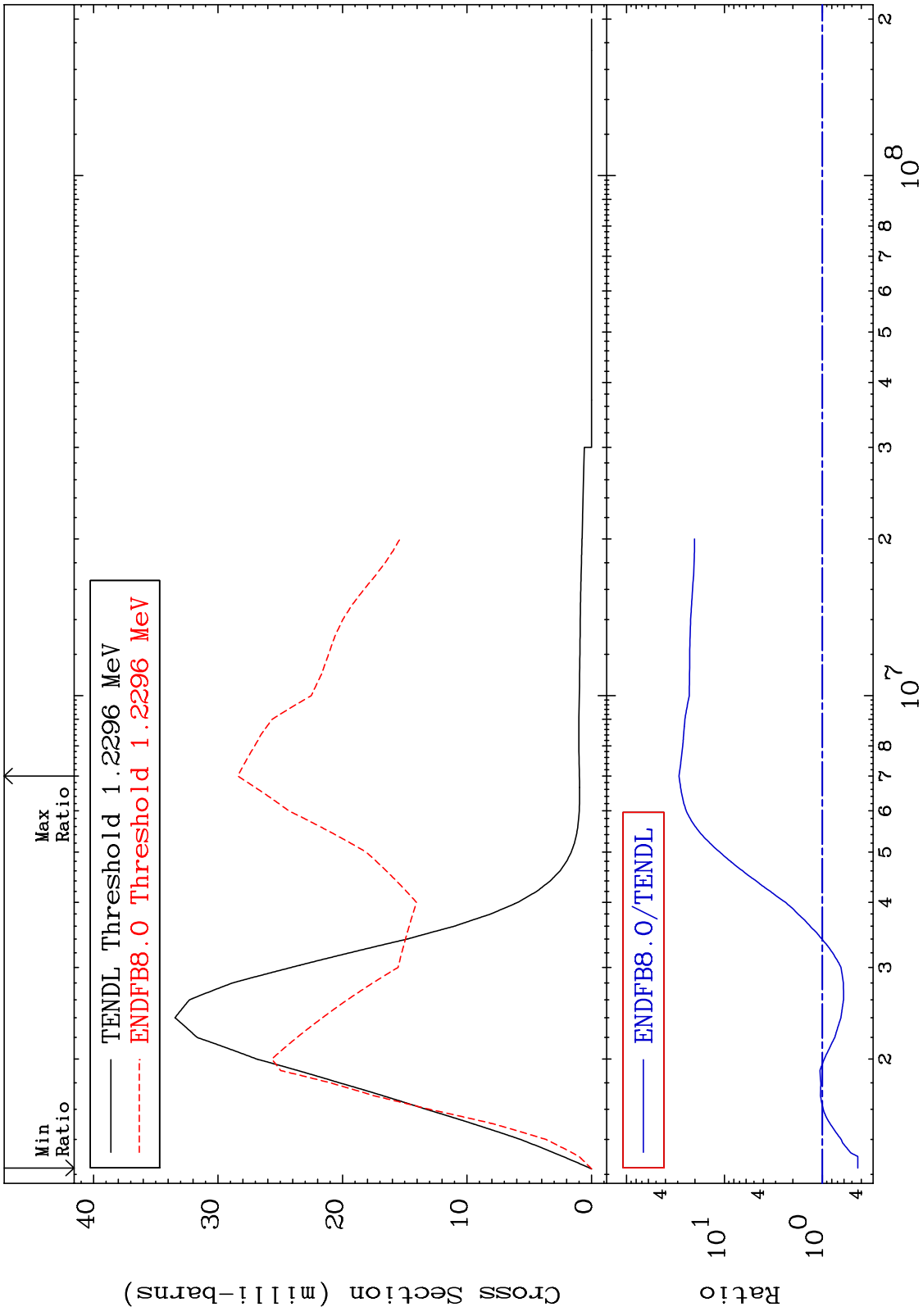


19 Incident Energy (eV) 62-Sm-152

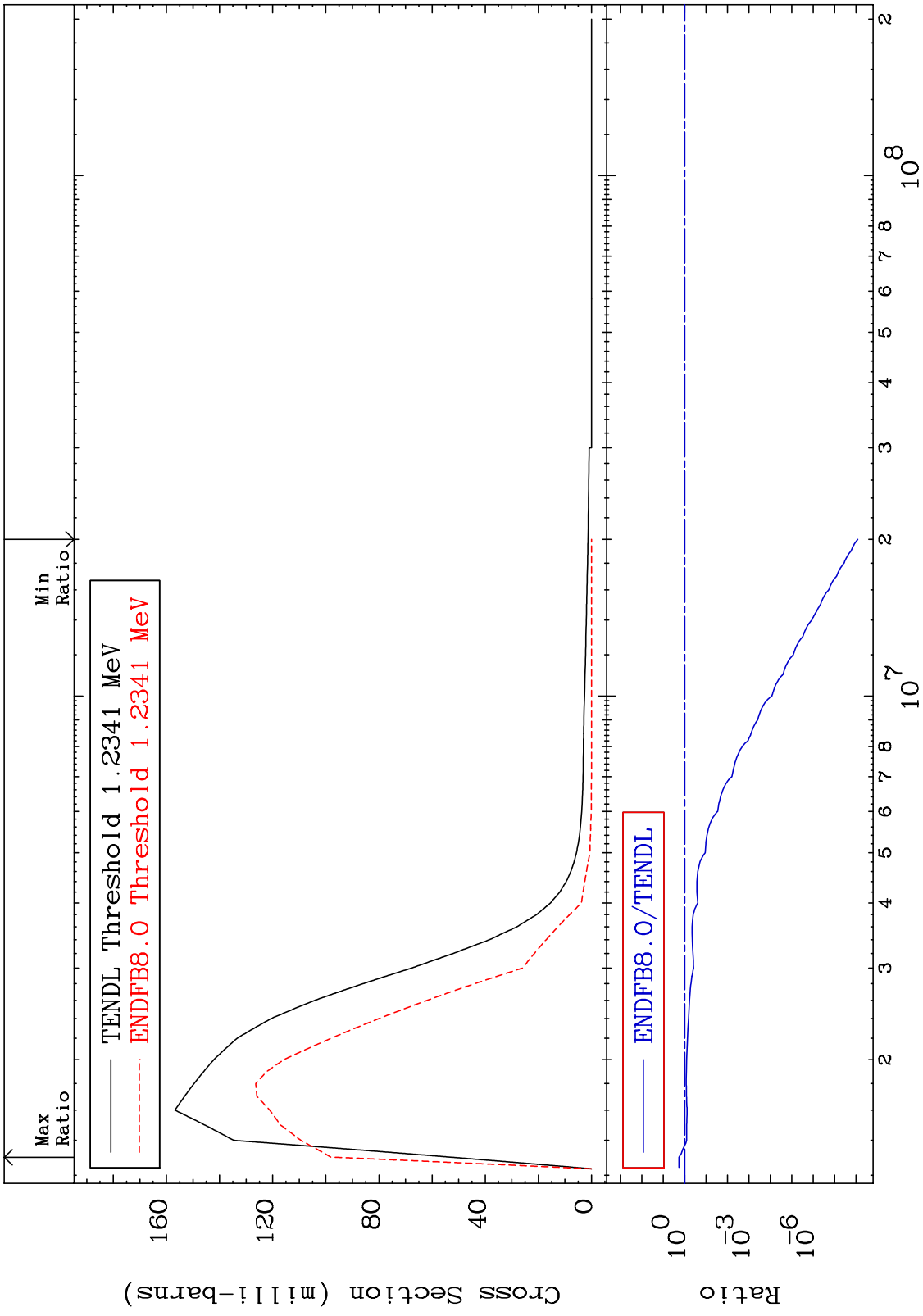
MAT 6249 MT= 61 (n,n') Level 62-Sm-152
 Cross Section -73.88 To 21.32 %



MAT 6249 MT= 62 (n,n') Level Cross Section 62-Sm-152
 -56.63 To 2809. %

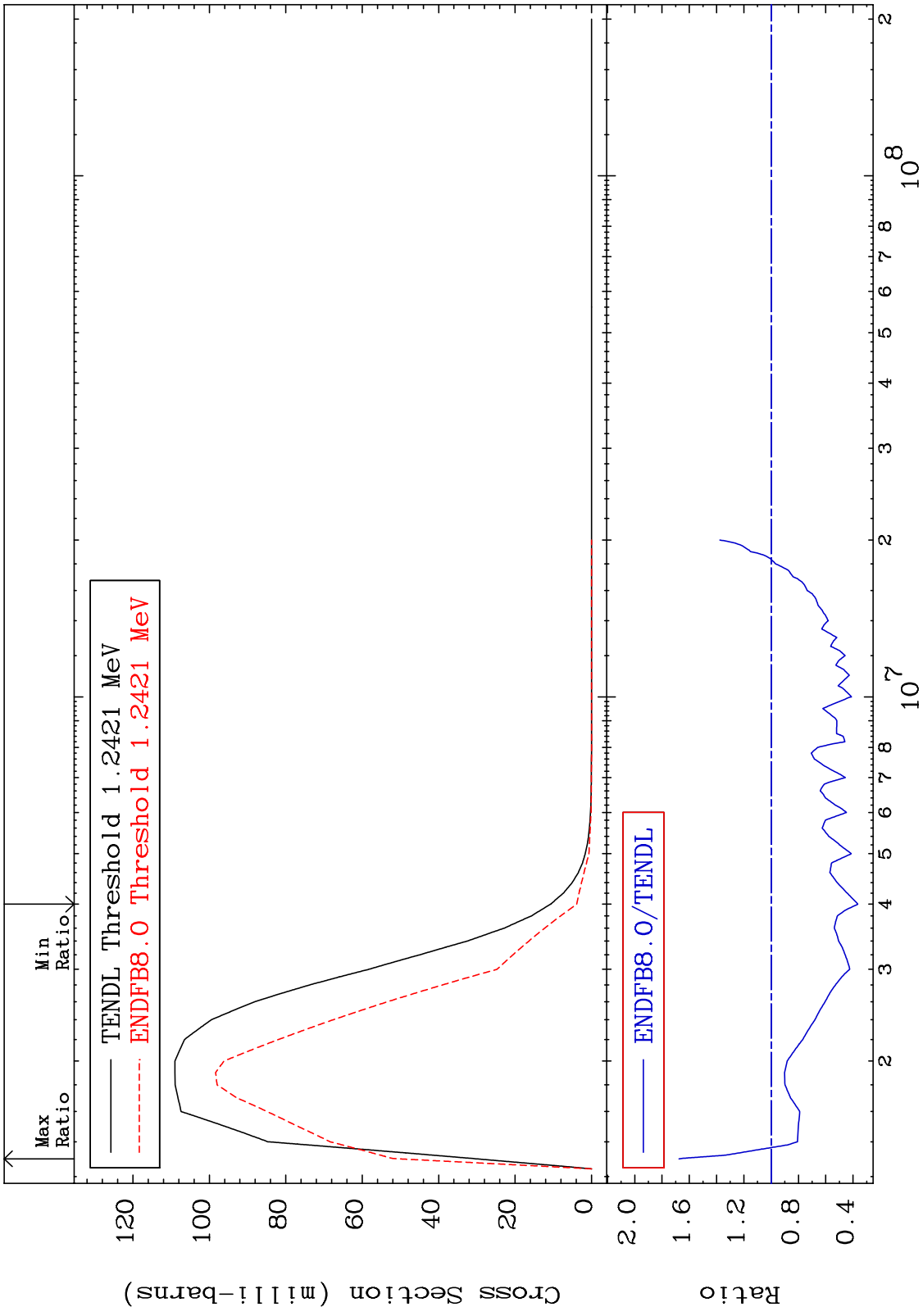


MAT 6249 MT= 63 (n,n') Level Cross Section 62-Sm-152 -100.0 To 83.50 %

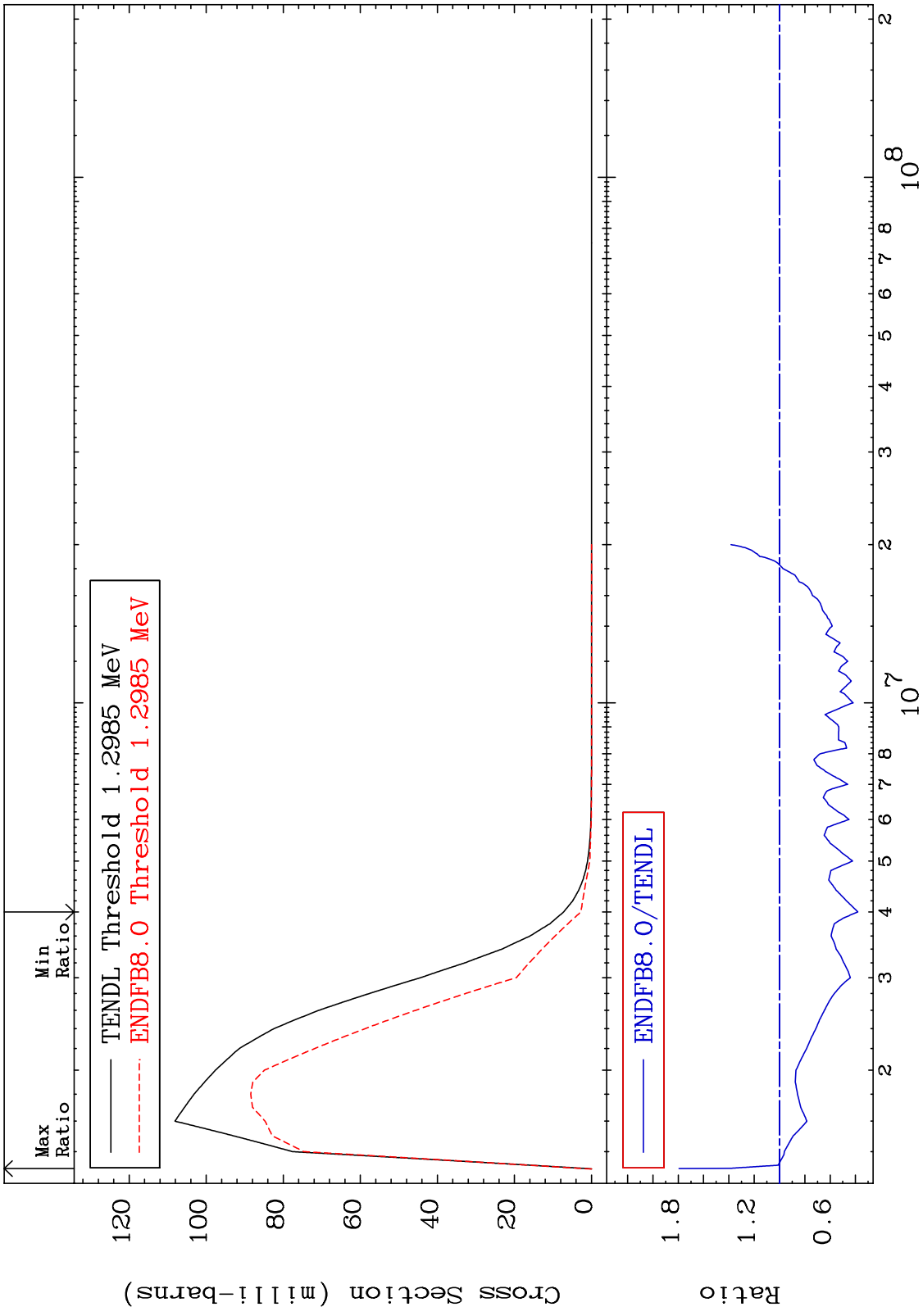


22 62-Sm-152

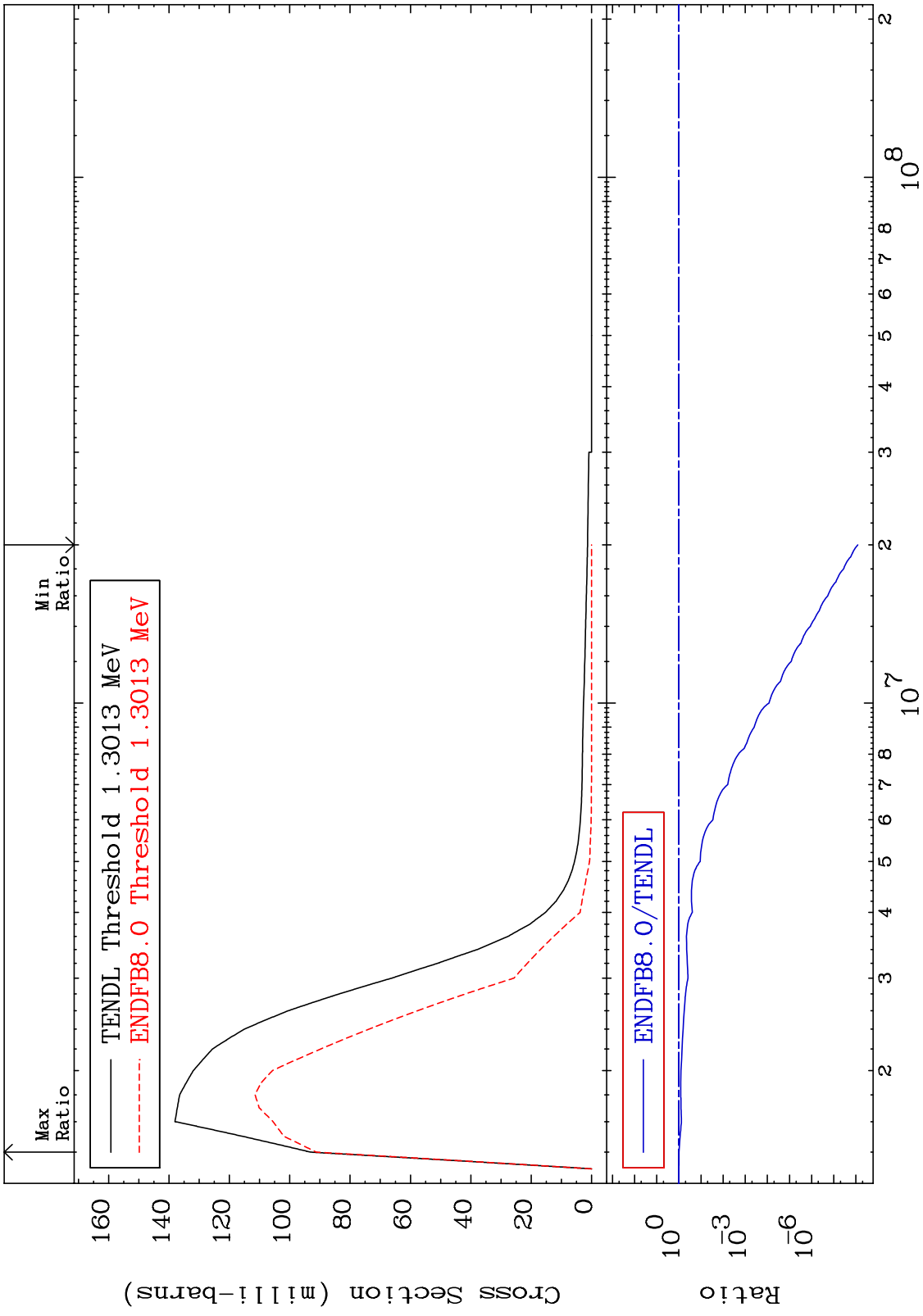
MAT 6249 MT= 64 (n,n') Level Cross Section 62-Sm-152
 -63.53 To 67.51 %



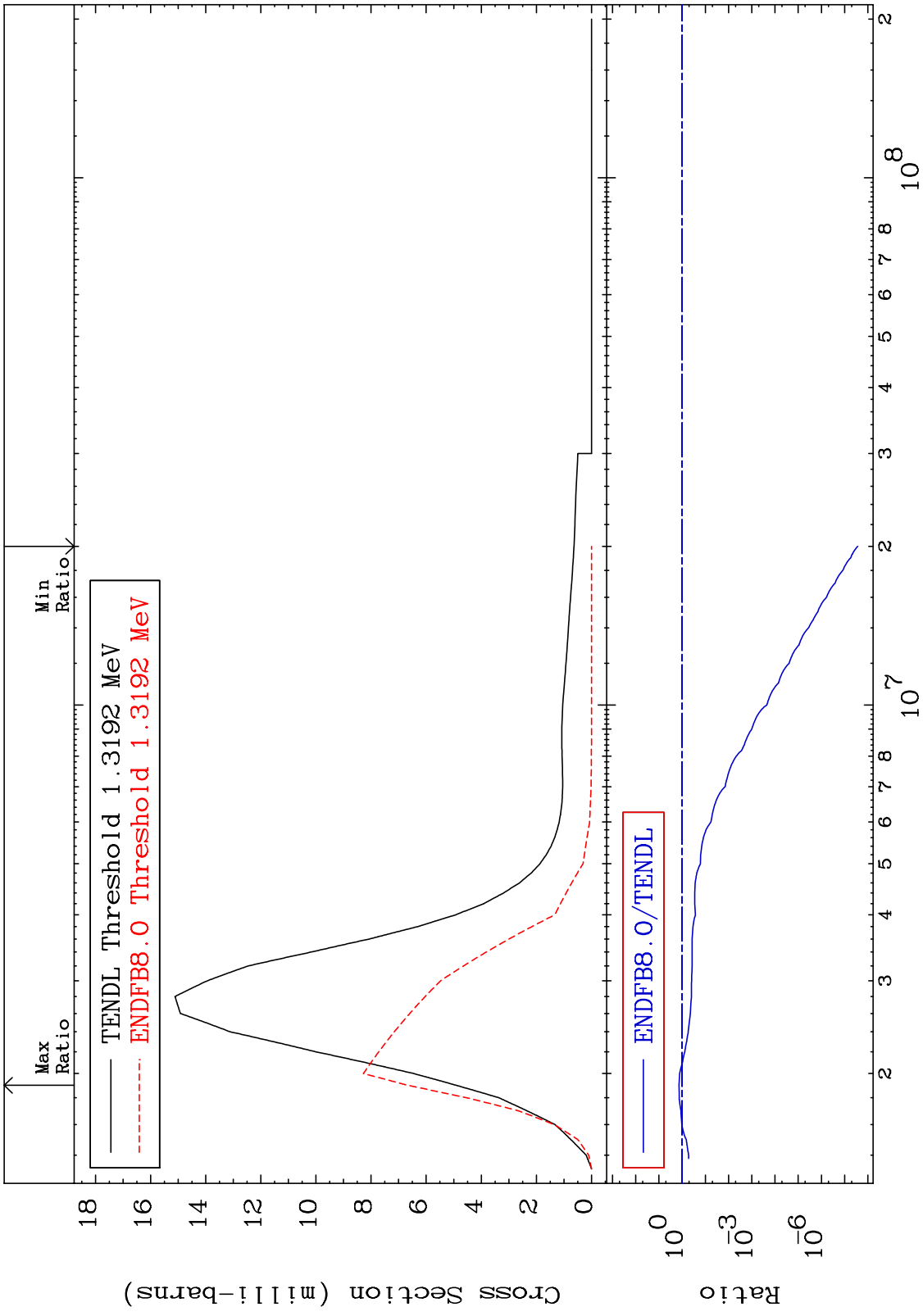
MAT 6249 MT= 65 (n,n') Level Cross Section 62-Sm-152
 -61.88 To 79.37 %



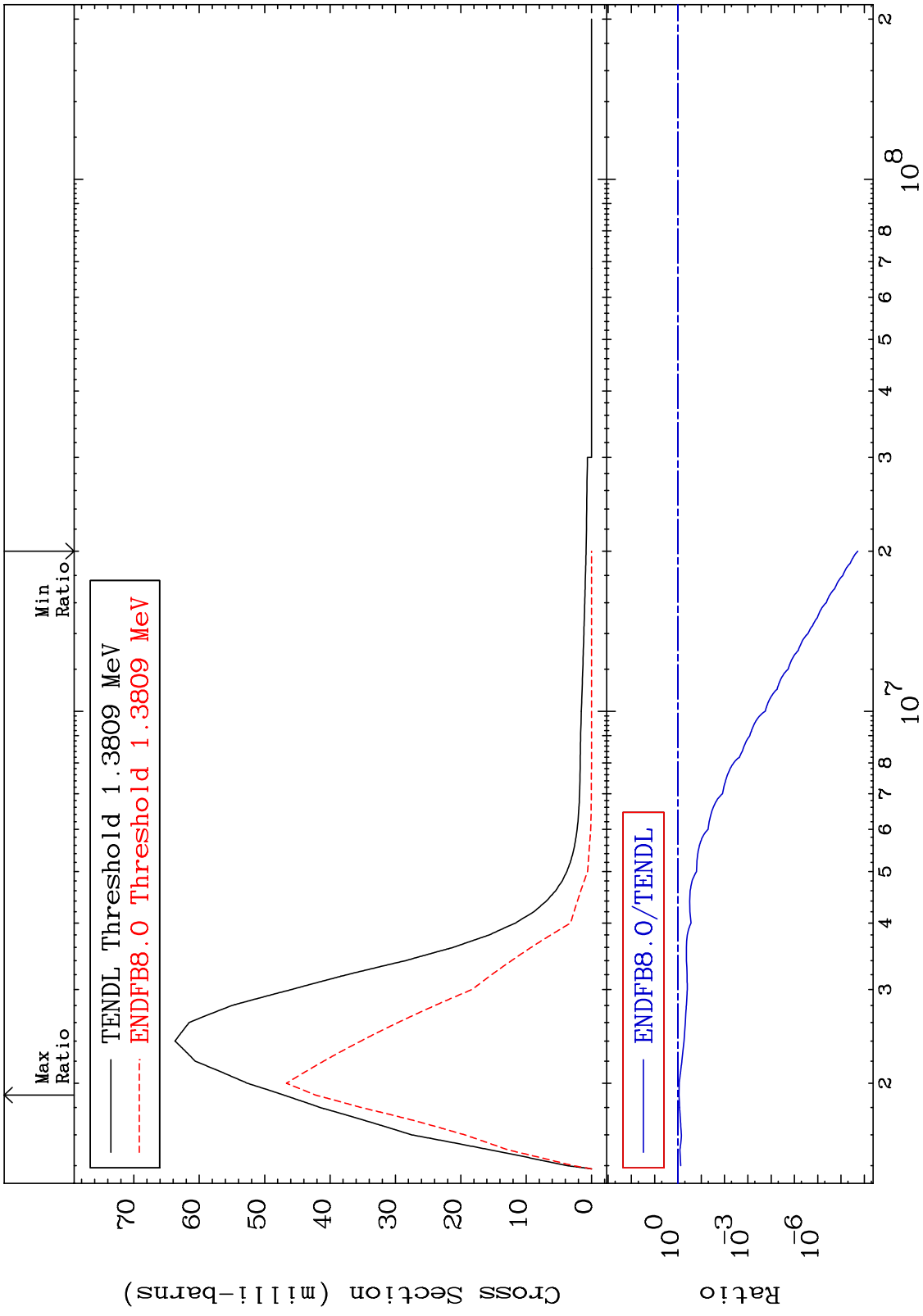
MAT 6249 MT= 66 (n,n') Level Cross Section 62-Sm-152
 -100.0 To -1.989%



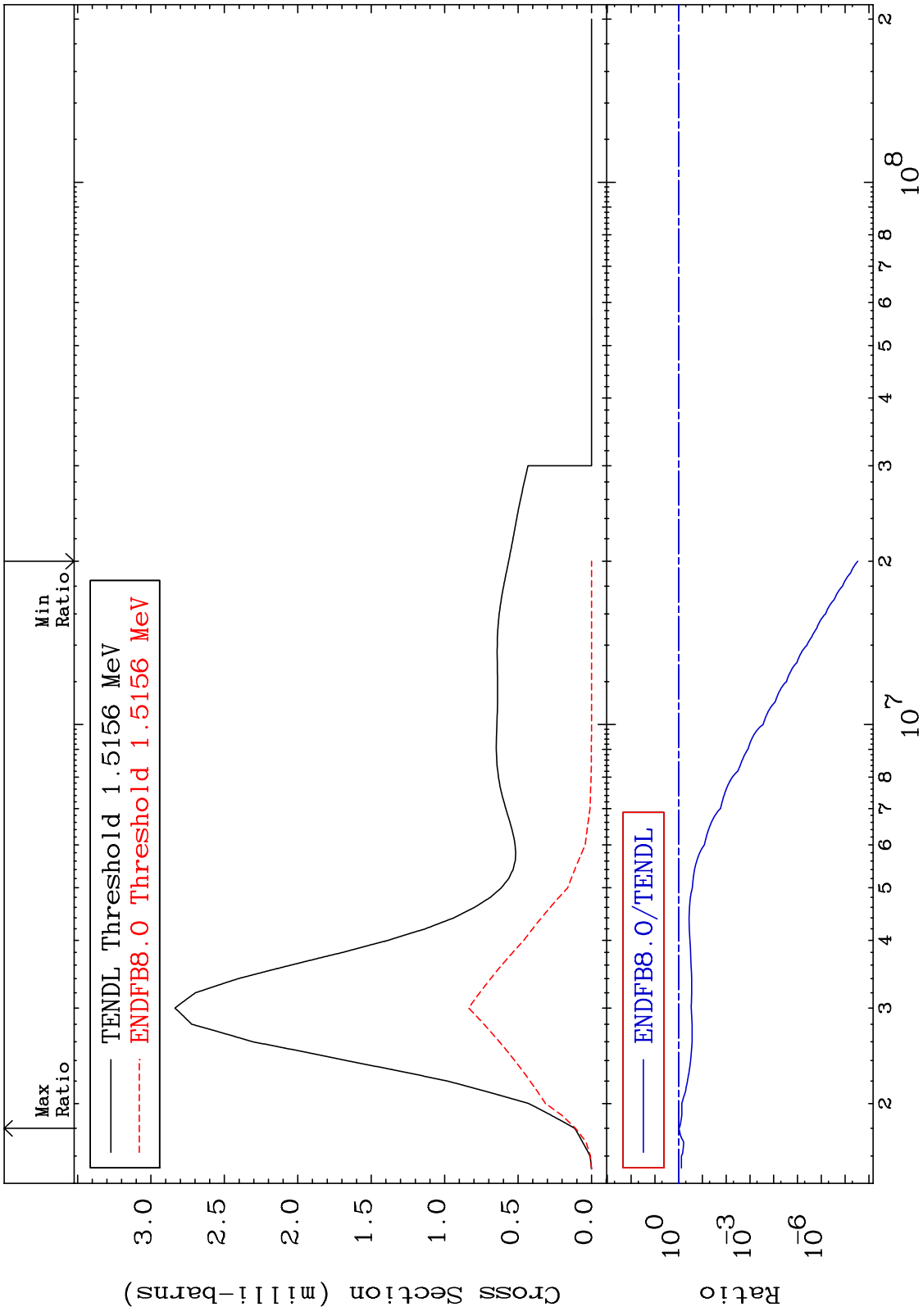
MAT 6249 MT= 67 (n,n') Level Cross Section 62-Sm-152 -100.0 To 35.94 %



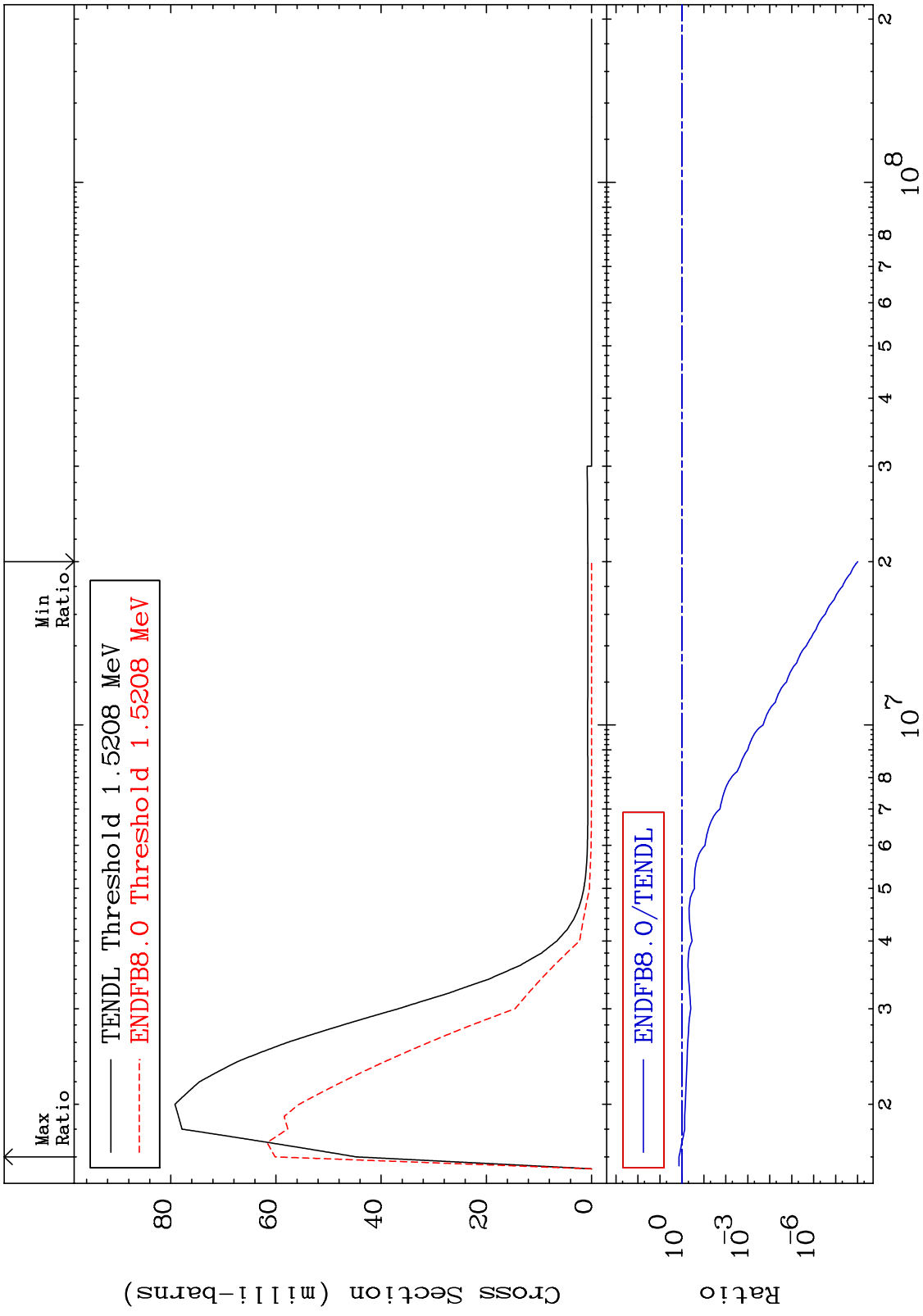
MAT 6249 MT= 68 (n,n') Level Cross Section 62-Sm-152 -100.0 To -10.28%



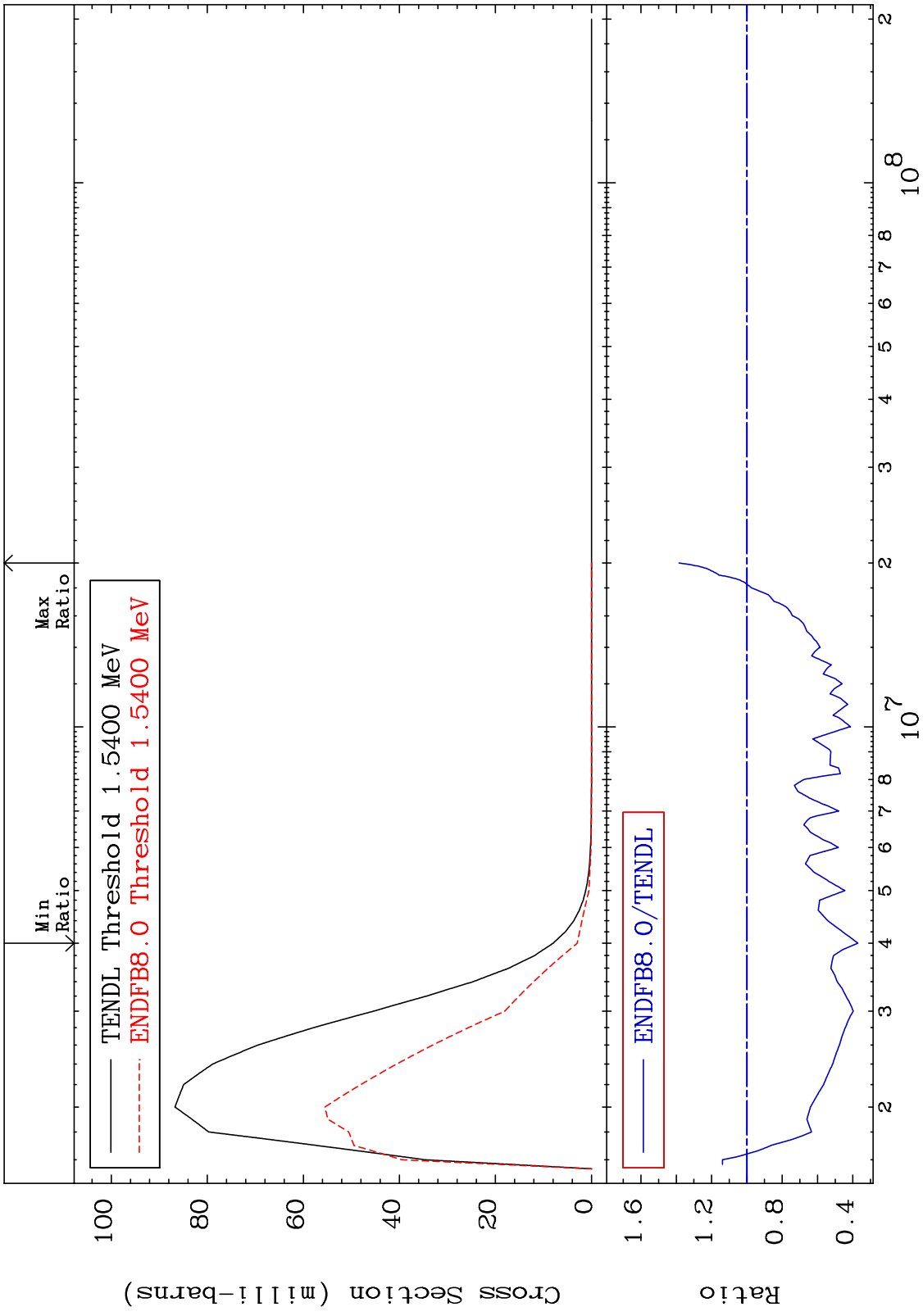
MAT 6249 MT= 69 (n,n') Level Cross Section 62-Sm-152
 -100.0 To -4.089%



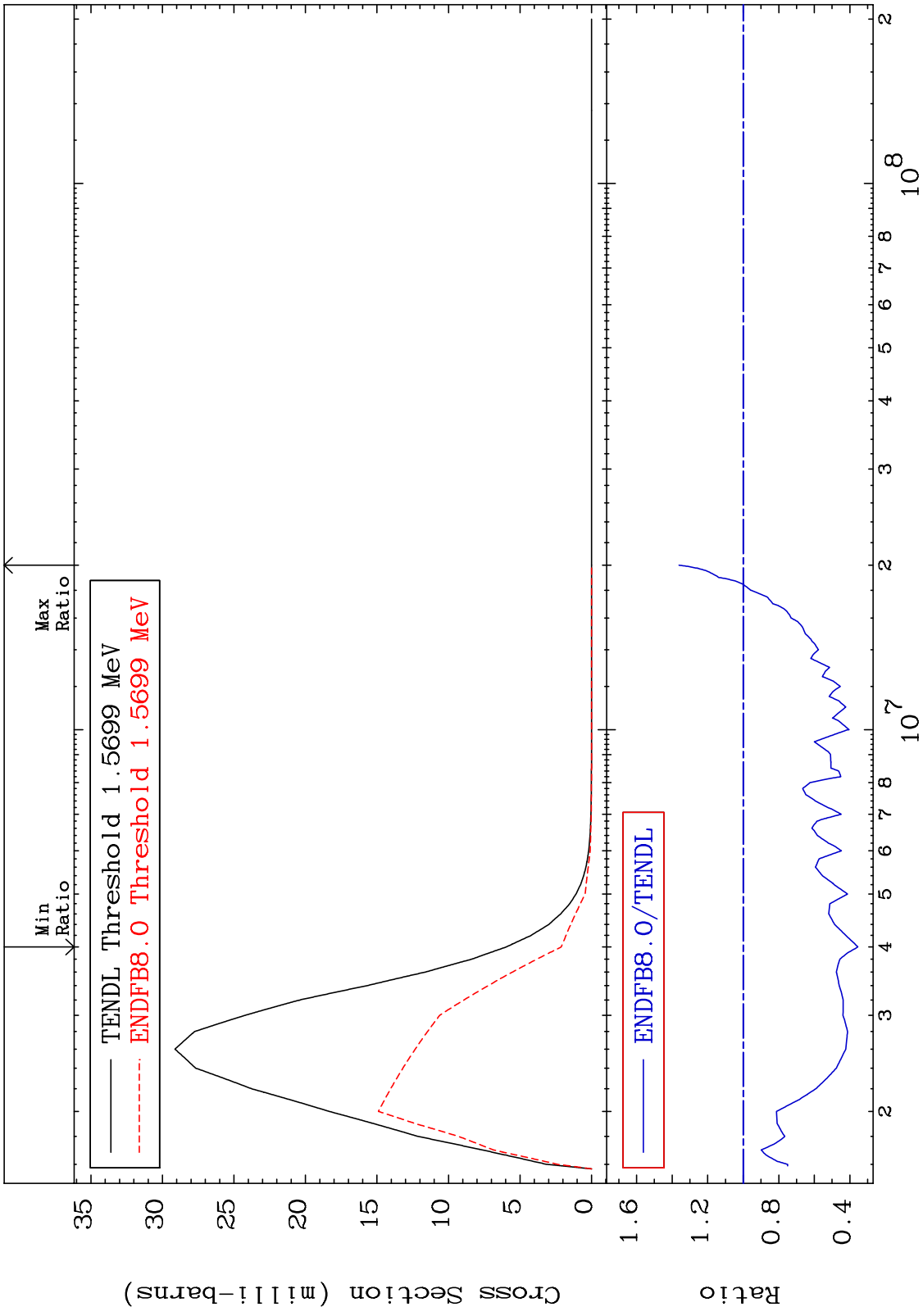
MAT 6249 MT= 70 (n,n') Level Cross Section 62-Sm-152
 -100.0 To 34.36 %



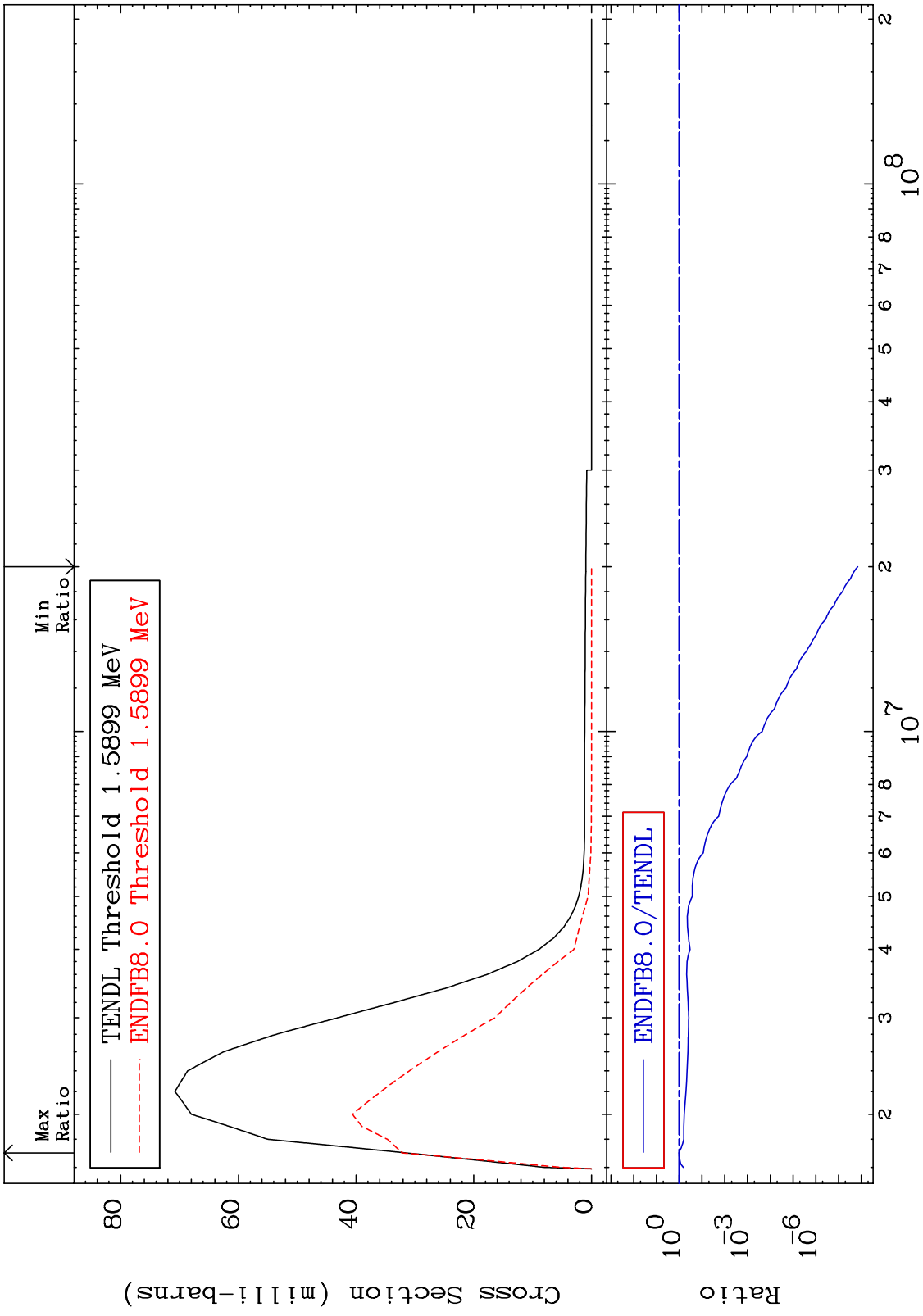
MAT 6249 MT= 71 (n,n') Level Cross Section 62-Sm-152 -62.84 To 38.44 %



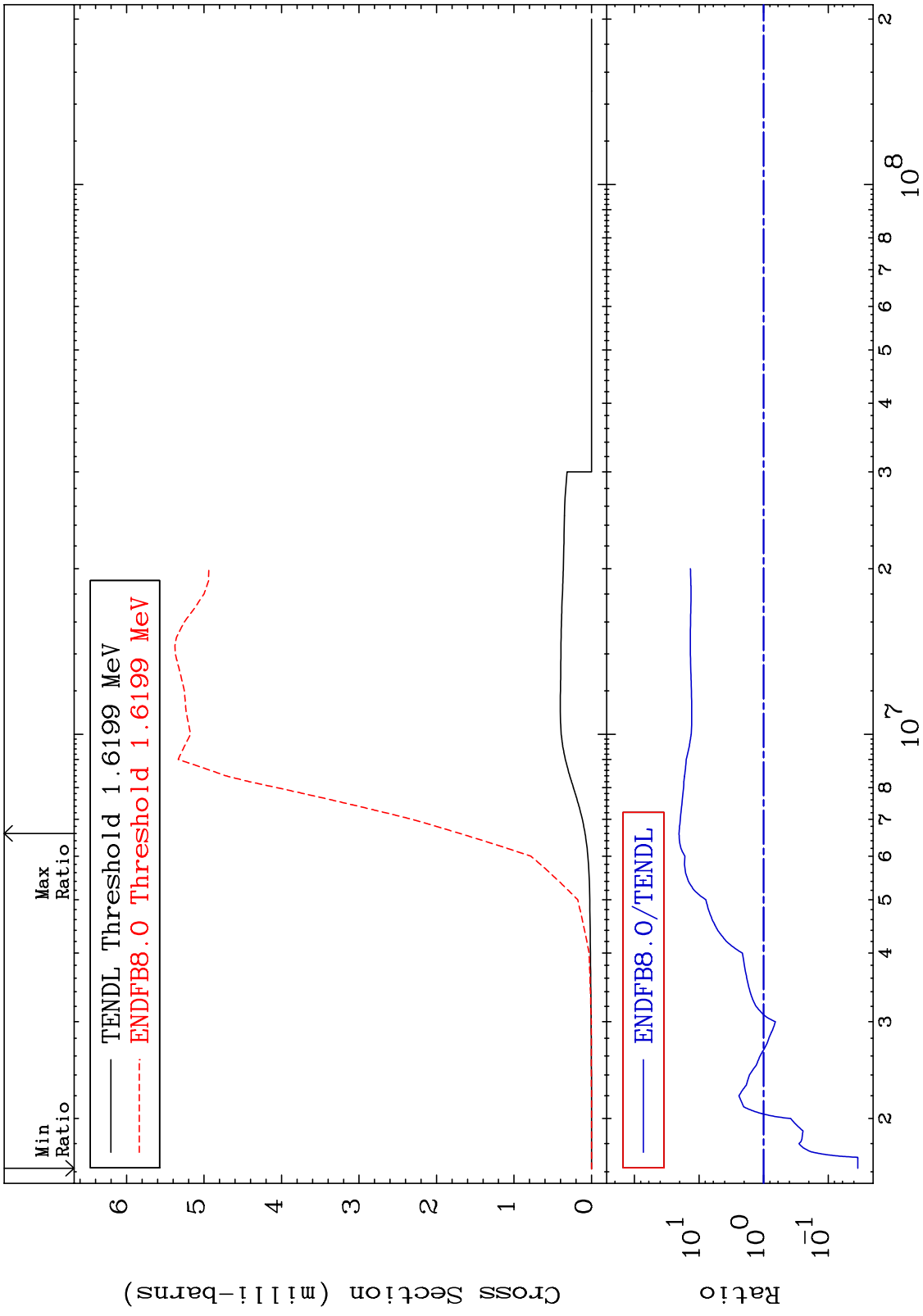
MAT 6249 MT= 72 (n,n') Level Cross Section 62-Sm-152
 -64.48 To 36.11 %



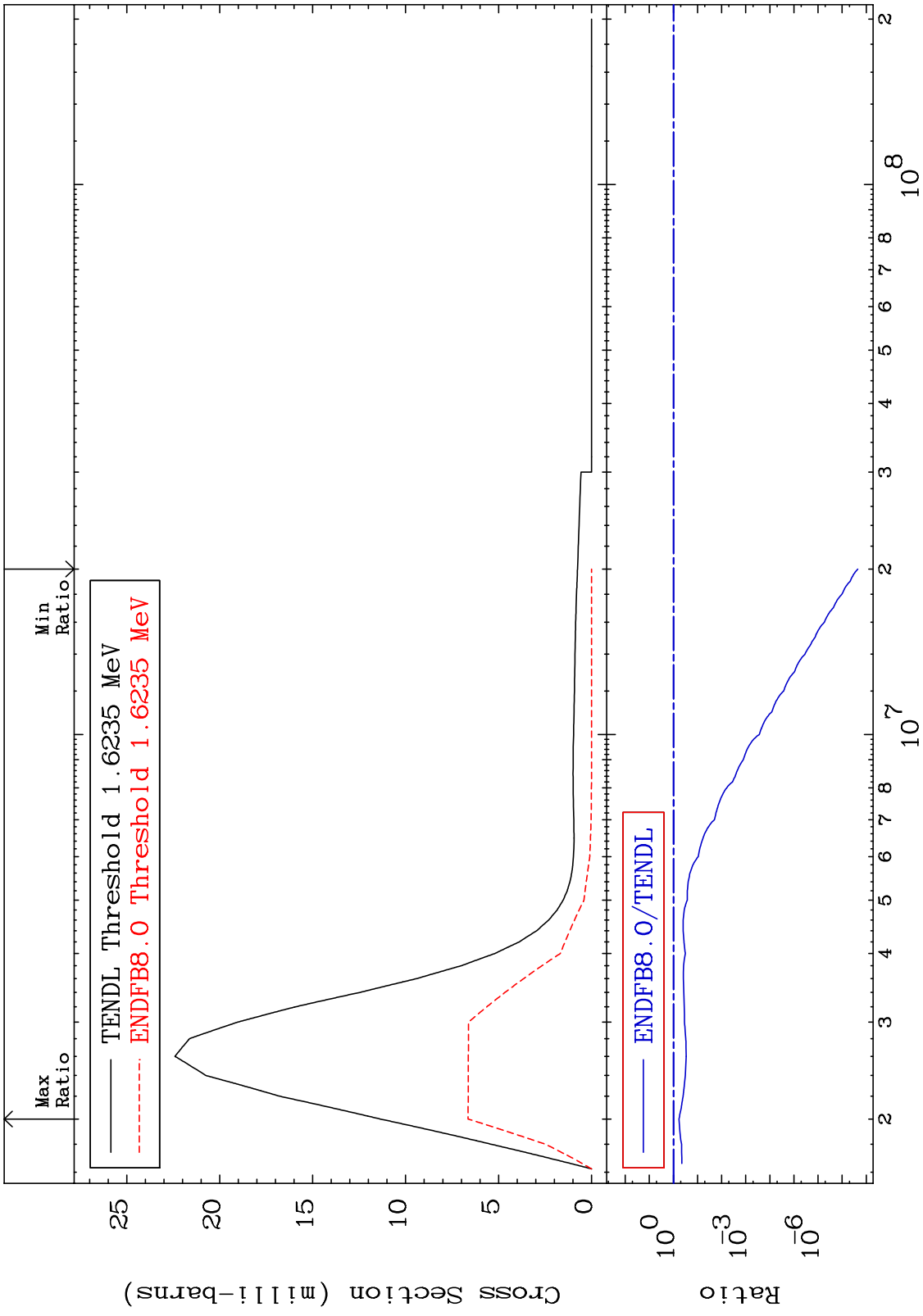
MAT 6249 MT= 73 (n,n') Level Cross Section 62-Sm-152
 -100.0 To 2.036 %



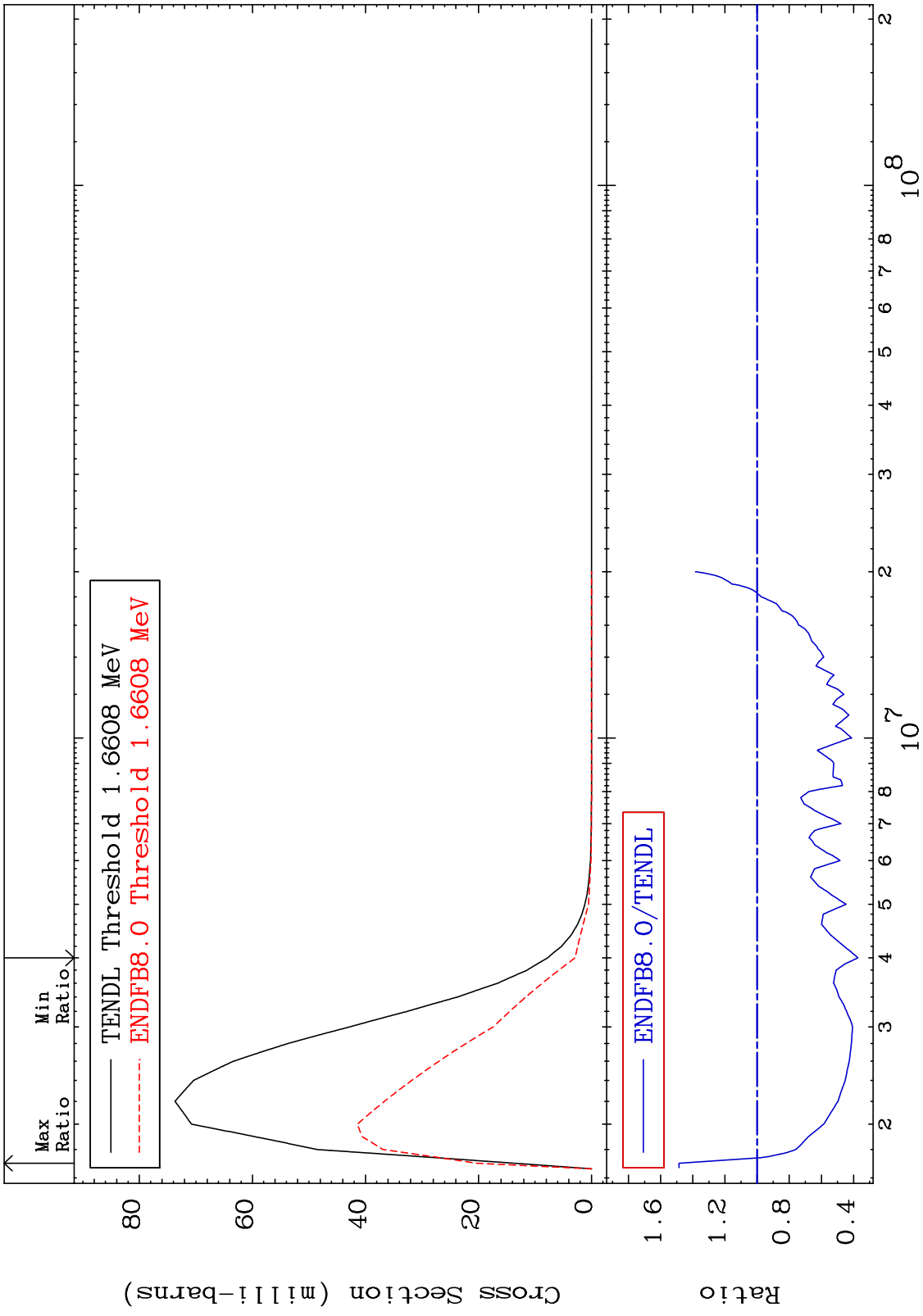
MAT 6249 MT= 74 (n,n') Level 62-Sm-152
 Cross Section -96.52 To 1938. %



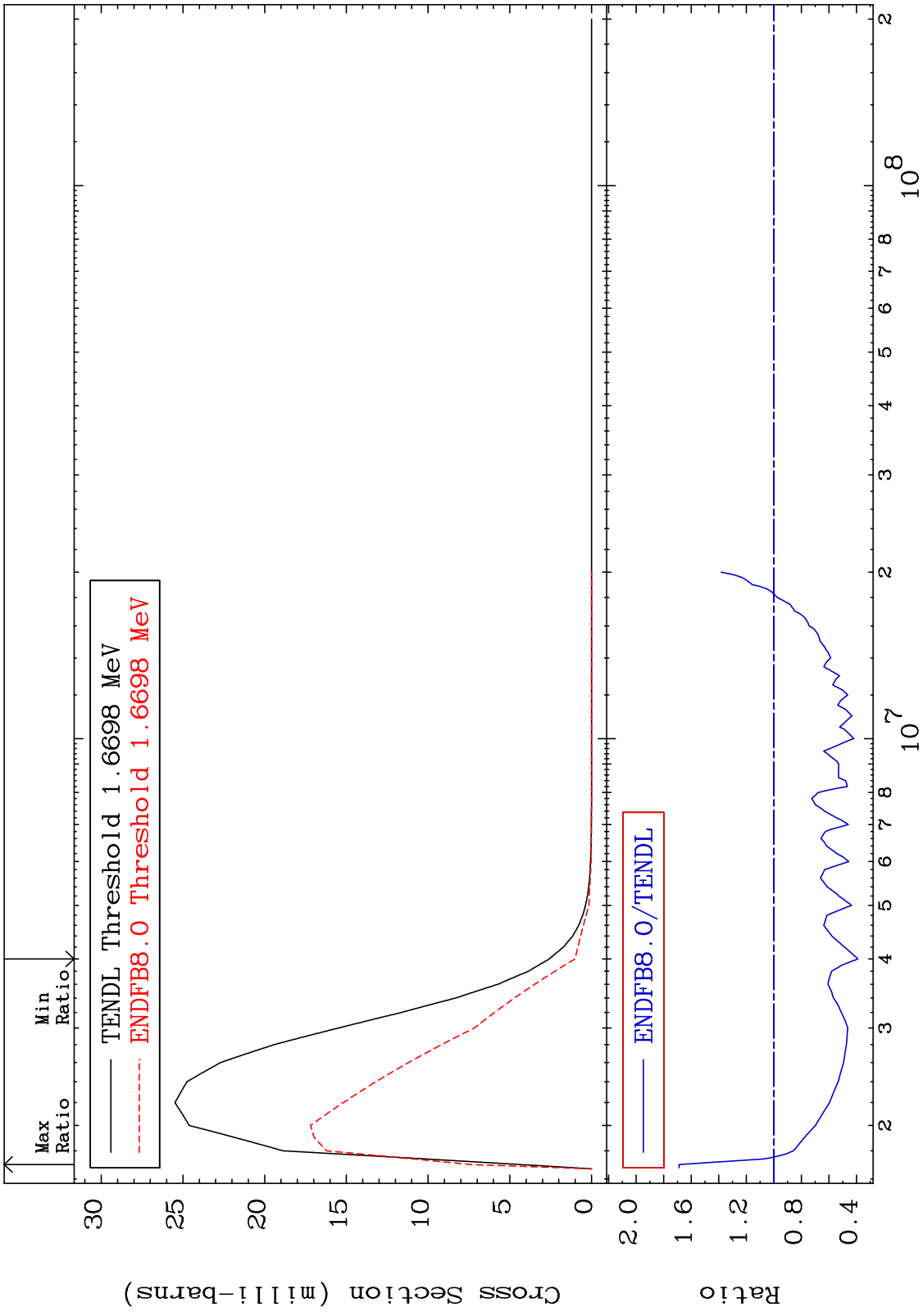
MAT 6249 MT= 75 (n,n') Level Cross Section 62-Sm-152 -100.0 To -41.58%



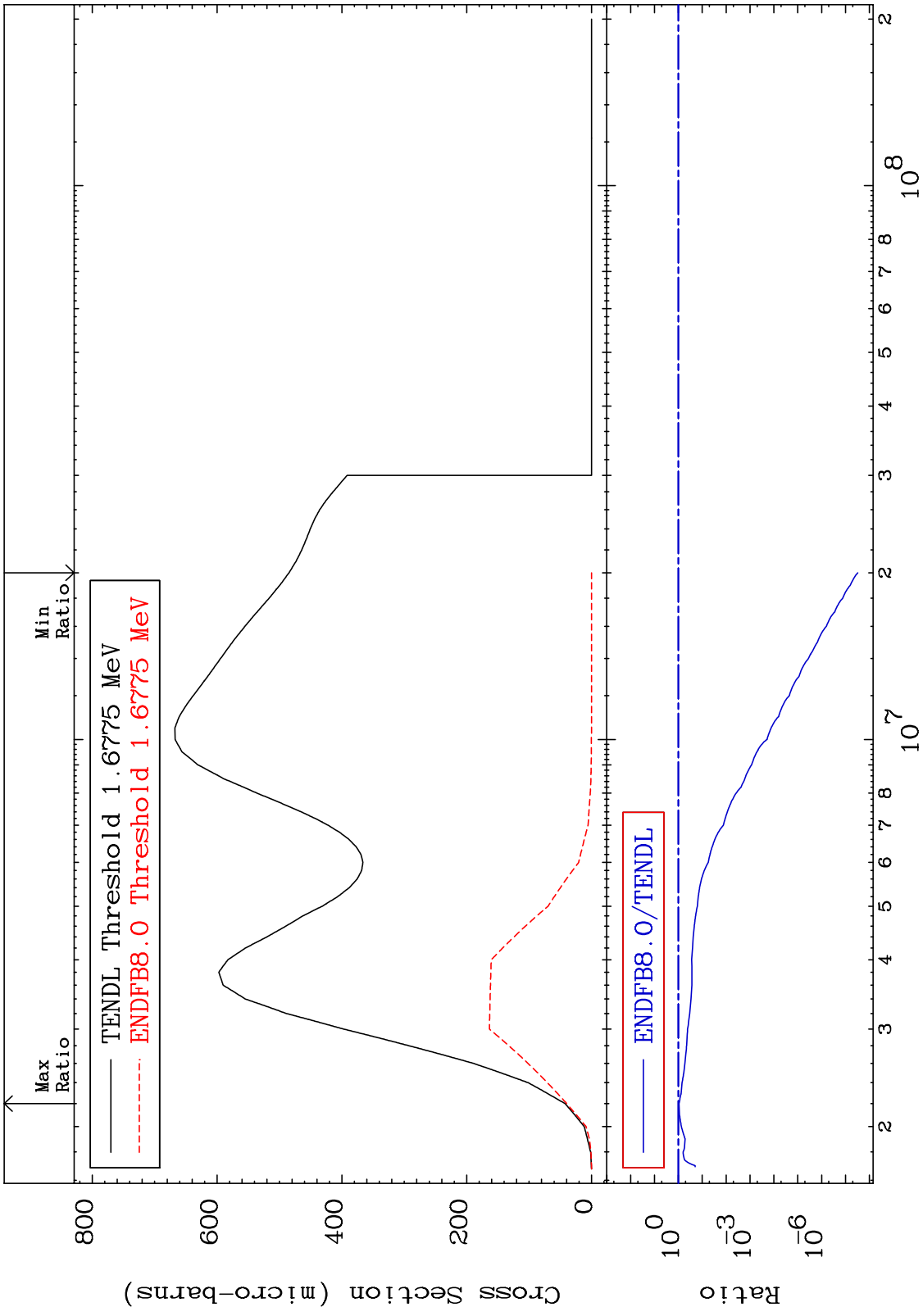
MAT 6249 MT= 76 (n,n') Level Cross Section 62-Sm-152 -62.68 To 48.58 %



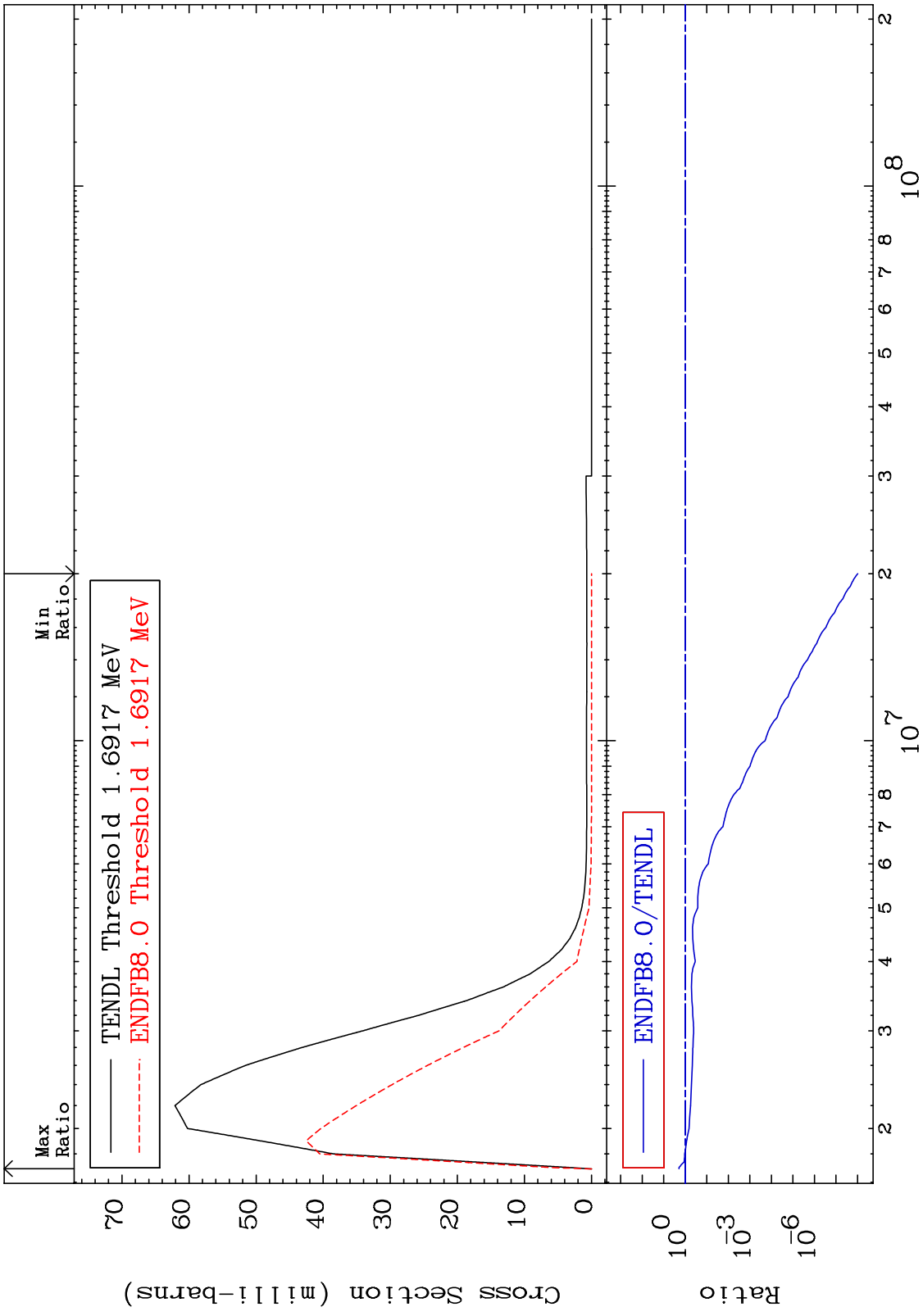
MAT 6249 MT= 77 (n,n') Level Cross Section 62-Sm-152 -60.99 To 68.81 %



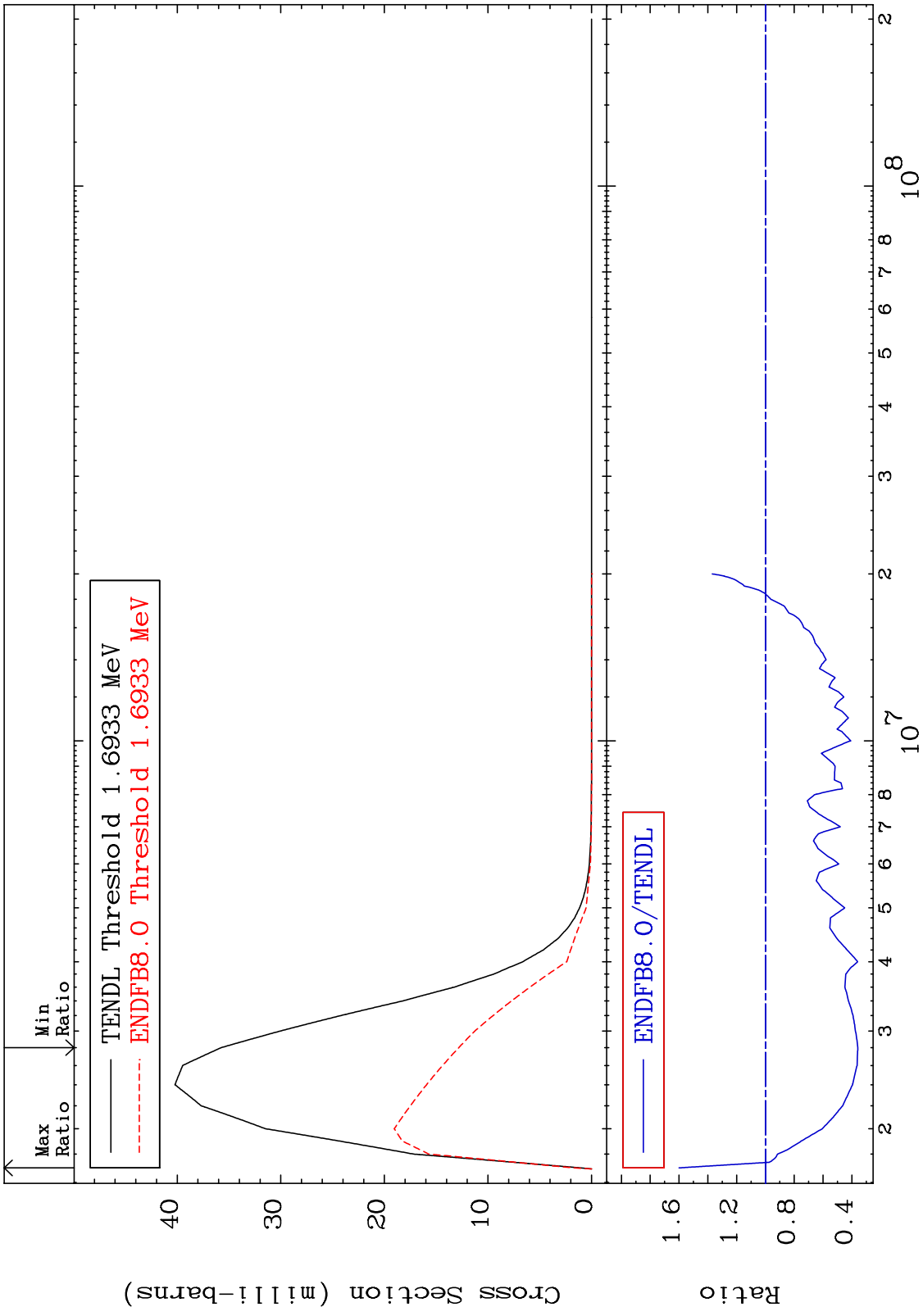
MAT 6249 MT= 78 (n,n') Level Cross Section 62-Sm-152 -100.0 To -6.321%



MAT 6249 MT= 79 (n,n') Level Cross Section 62-Sm-152 -100.0 To 94.19 %



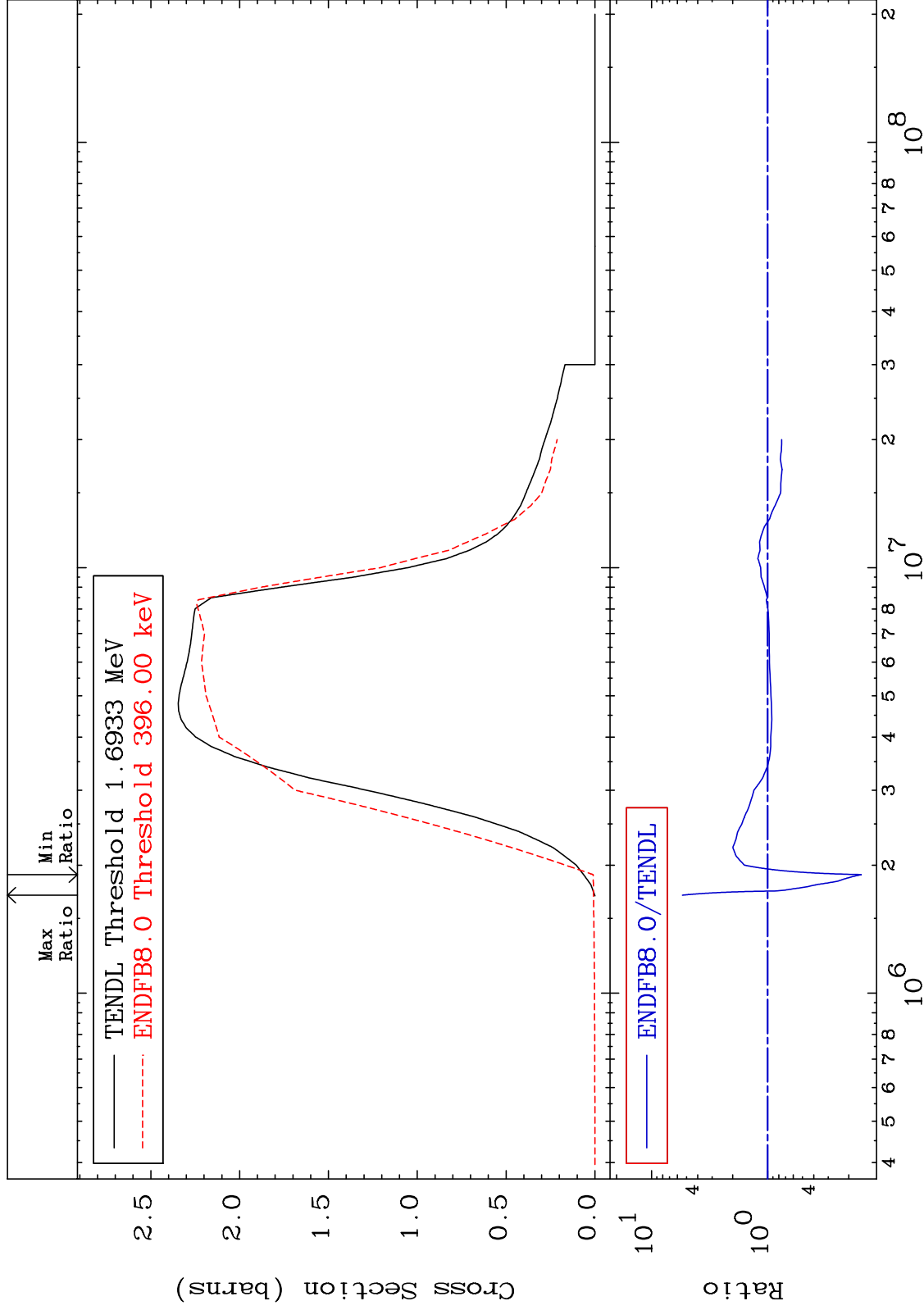
MAT 6249 MT= 80 (n,n') Level Cross Section 62-Sm-152
 -64.14 To 59.99 %



MAT 6249

(n, n') Continuum
Cross Section

62-Sm-152
-84.42 To 441.5 %

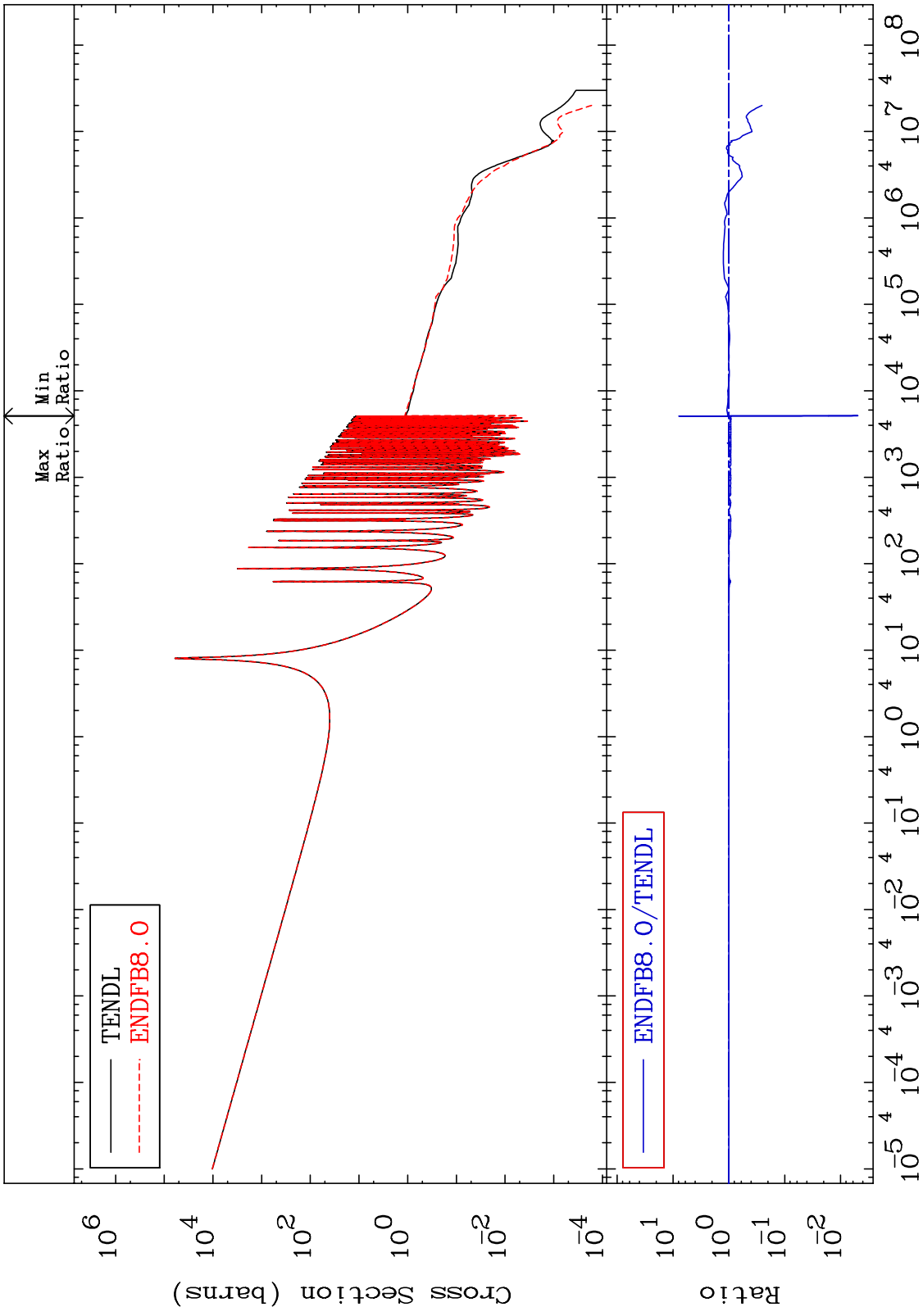


40

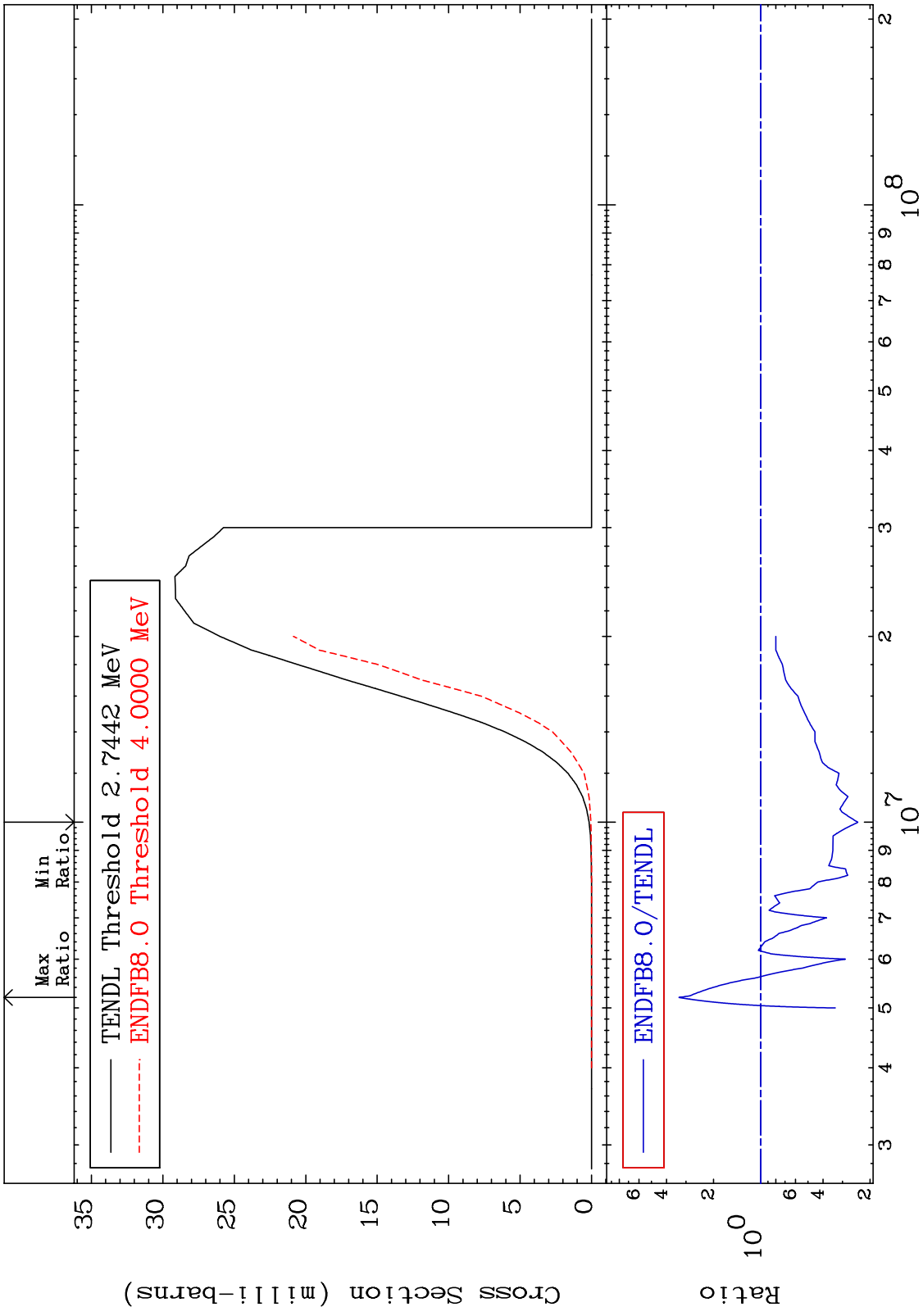
Incident Energy (eV)

62-Sm-152

MAT 6249 (n, γ) Cross Section 62-Sm-152 -99.51 To 680.4 %



MAT 6249 (n,p) Cross Section 62-Sm-152
 -76.04 To 232.7 %



42 Incident Energy (eV) 62-Sm-152

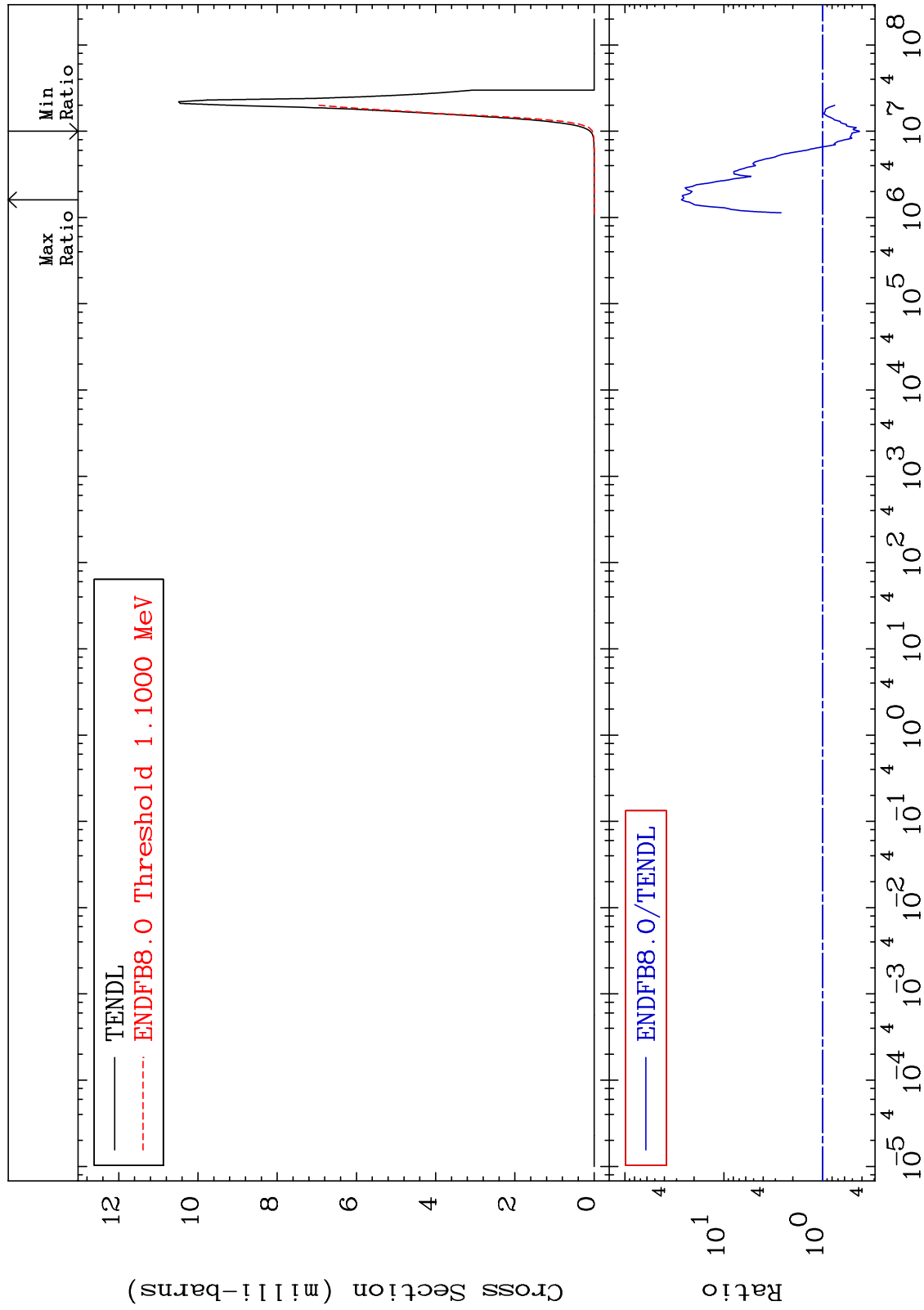
MAT 6249

(n, α)

62-Sm-152

Cross Section

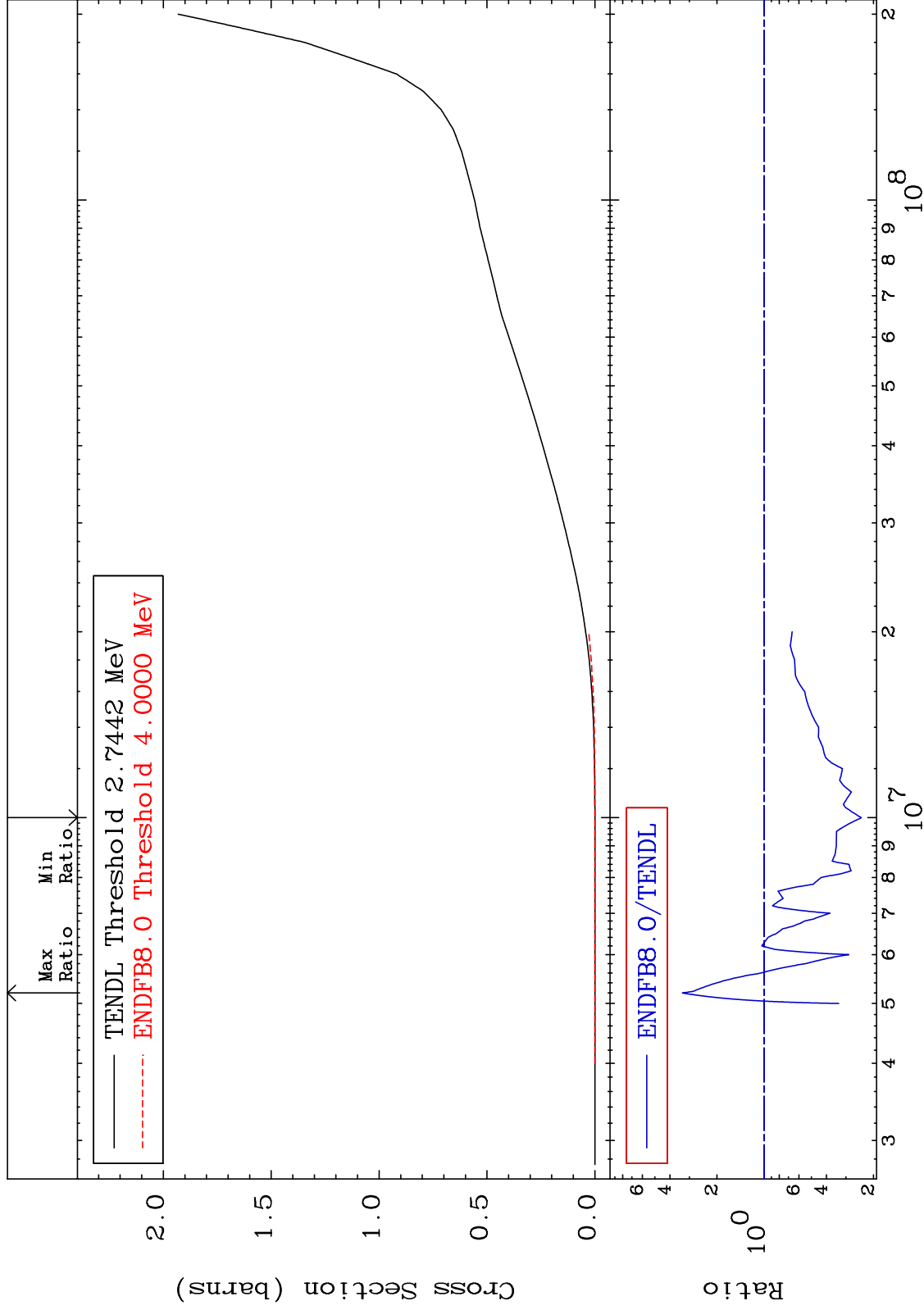
-57.99 To 2583. %



MAT 6249

Hydrogen Production
Cross Section

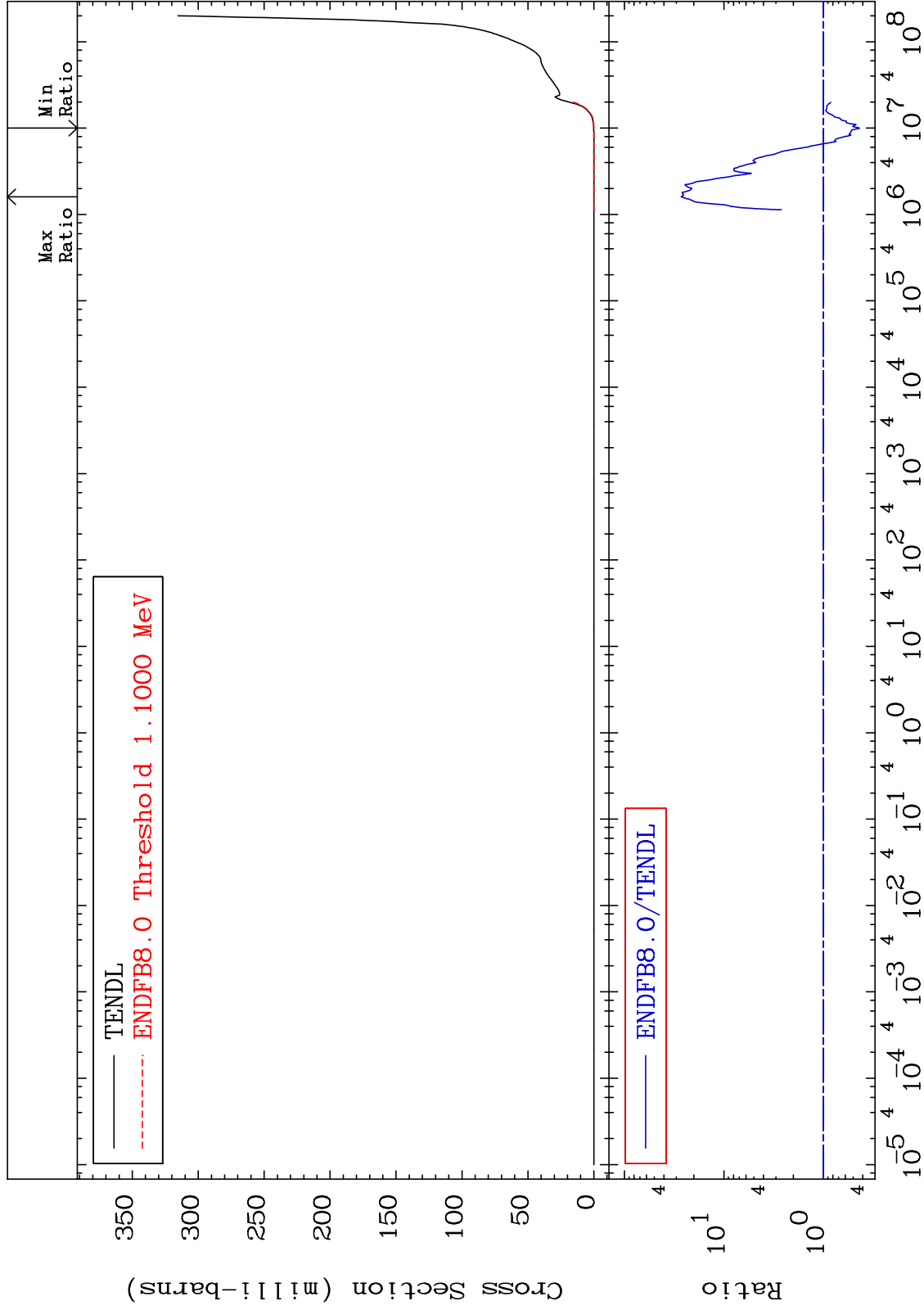
62-Sm-152
-76.04 To 232.7 %



MAT 6249

He-4 Production
Cross Section

62-Sm-152
-57.07 To 2583. %

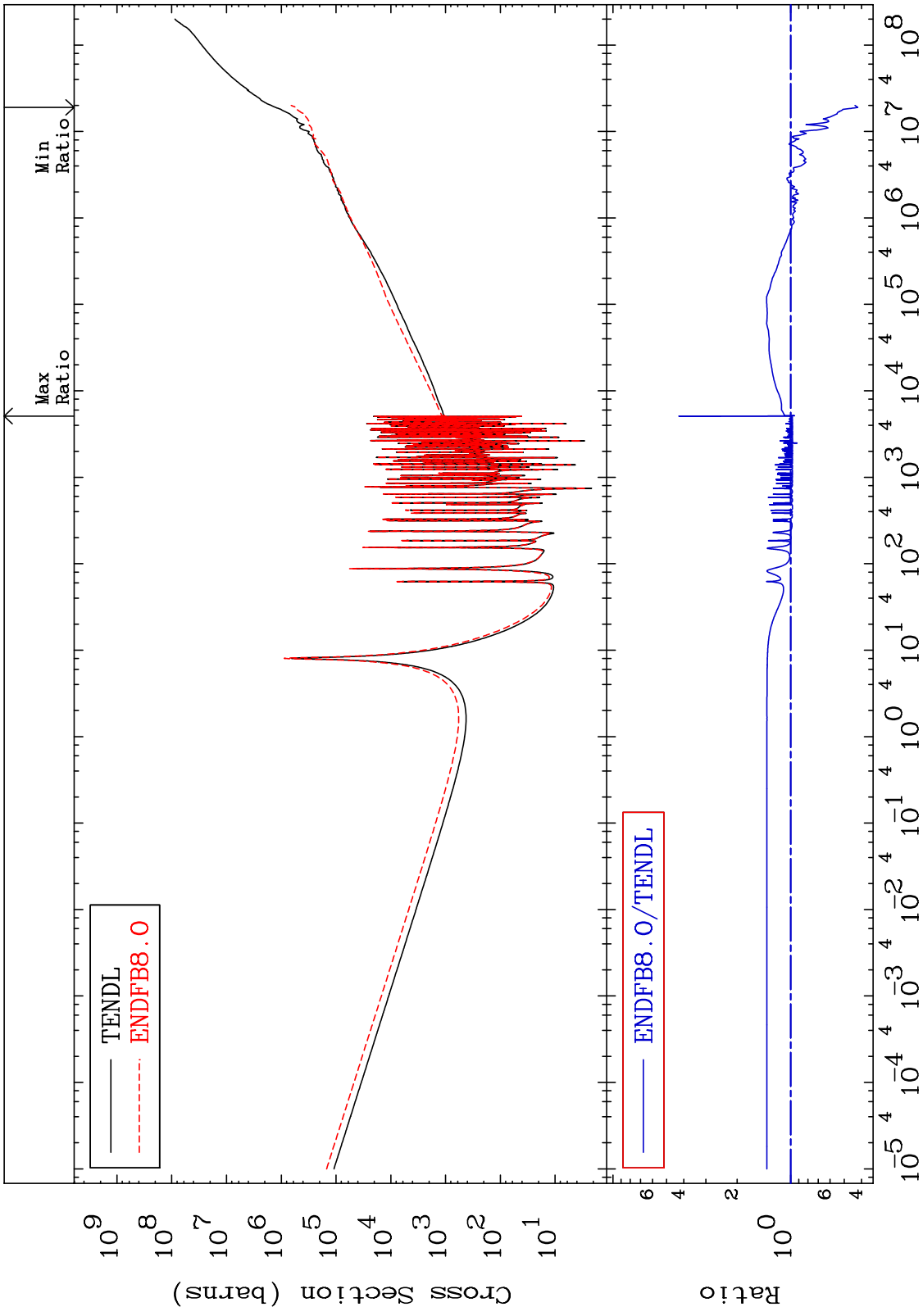


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Incident Energy (eV)

62-Sm-152

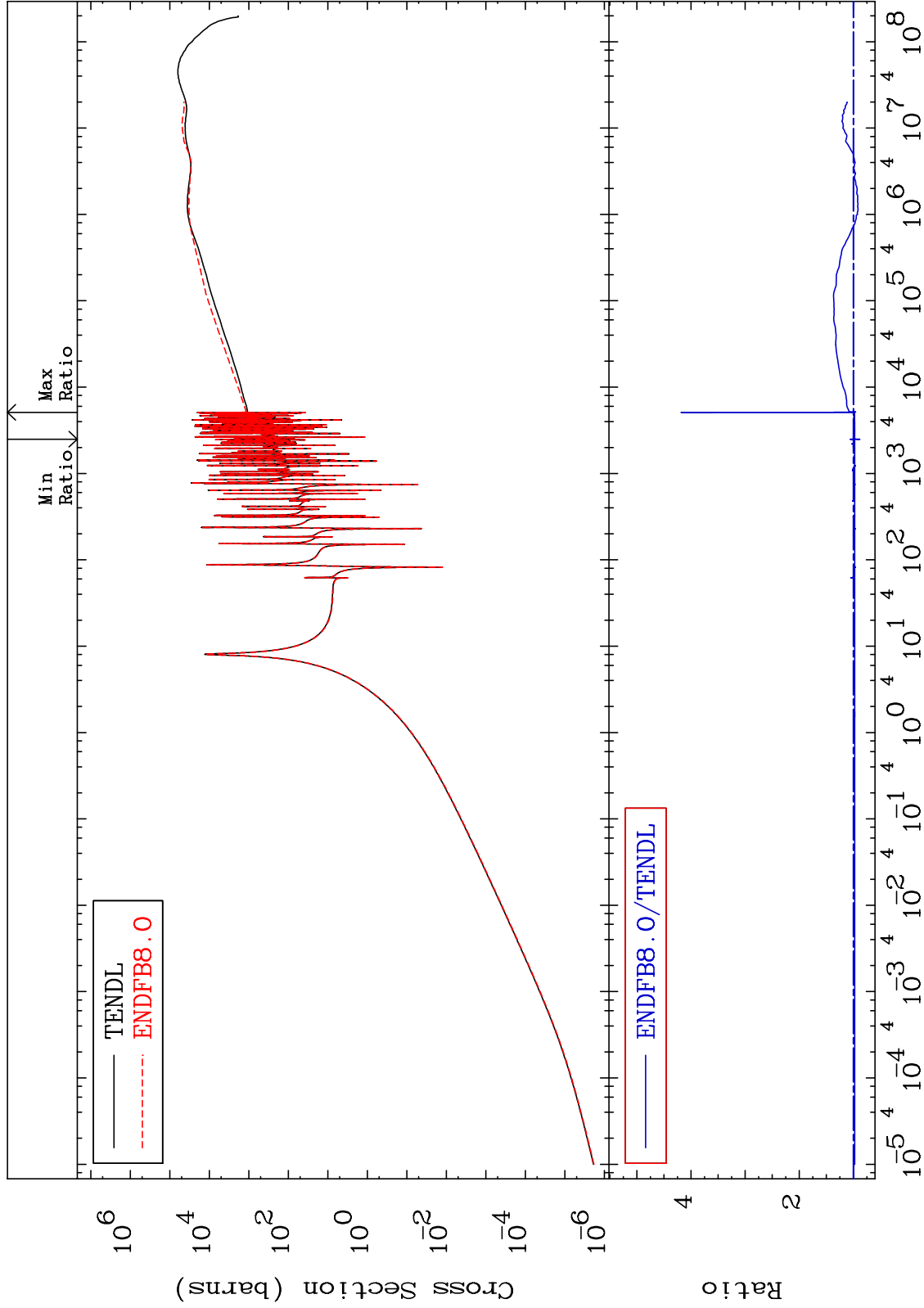
MAT 6249 Kerma total (eV-barns)
 Cross Section 62-Sm-152
 -58.11 To 324.9 %



MAT 6249

Kerma elastic
Cross Section

62-Sm-152
-11.67 To 317.9 %

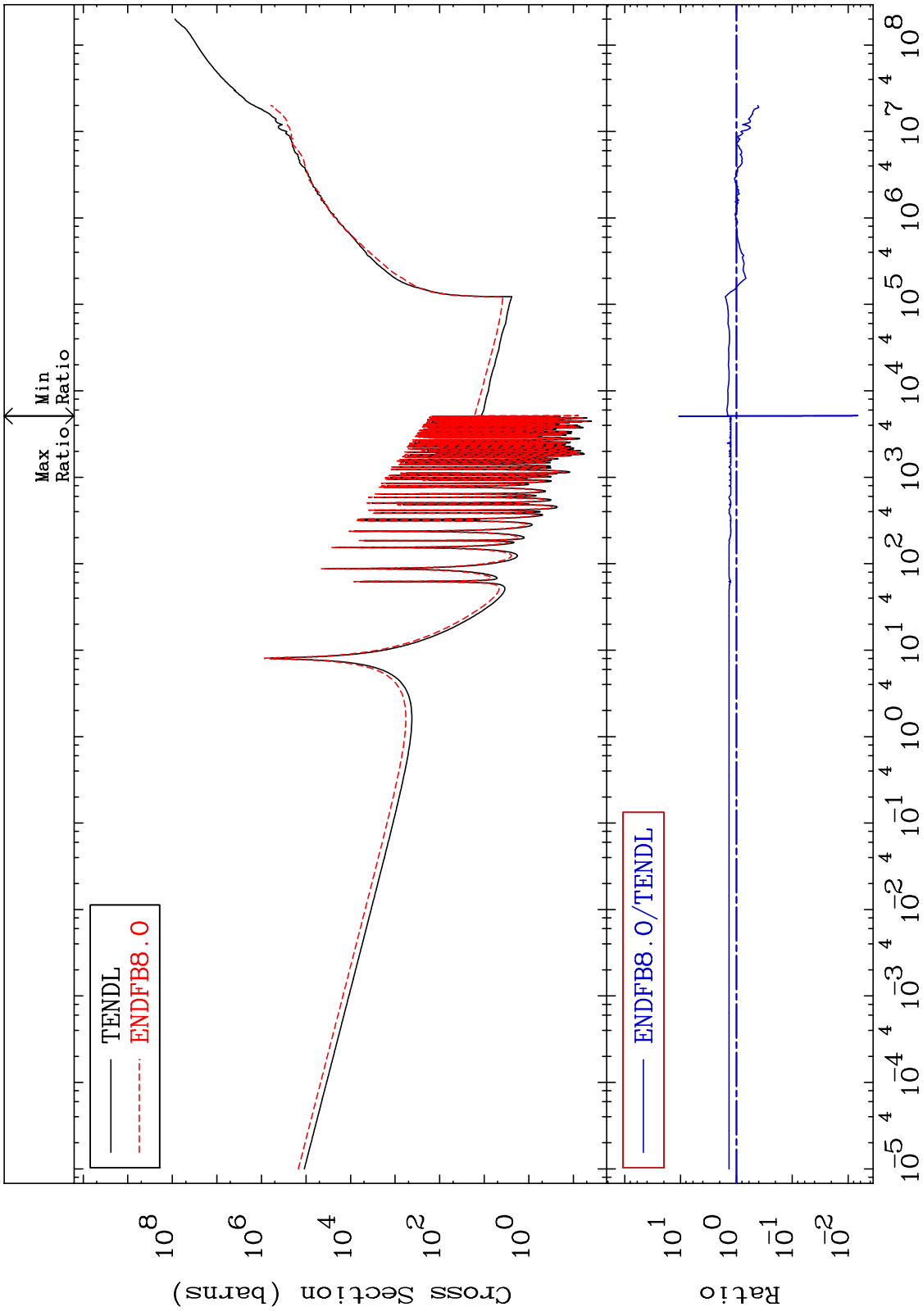


47

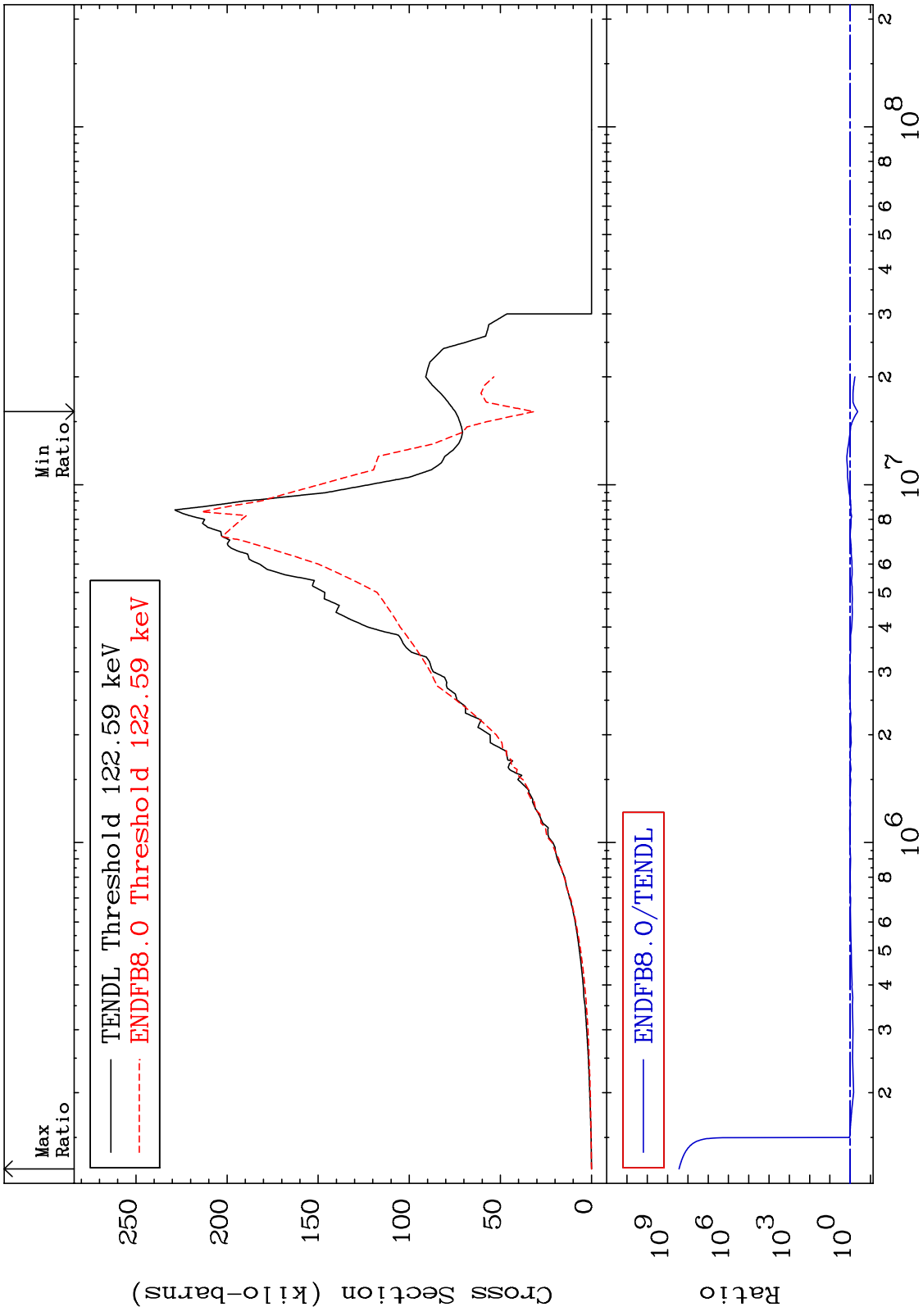
Incident Energy (eV)

62-Sm-152

MAT 6249 Kerma non-elastic (all but mt.2) Cross Section 62-Sm-152
 -99.33 To 966.6 %



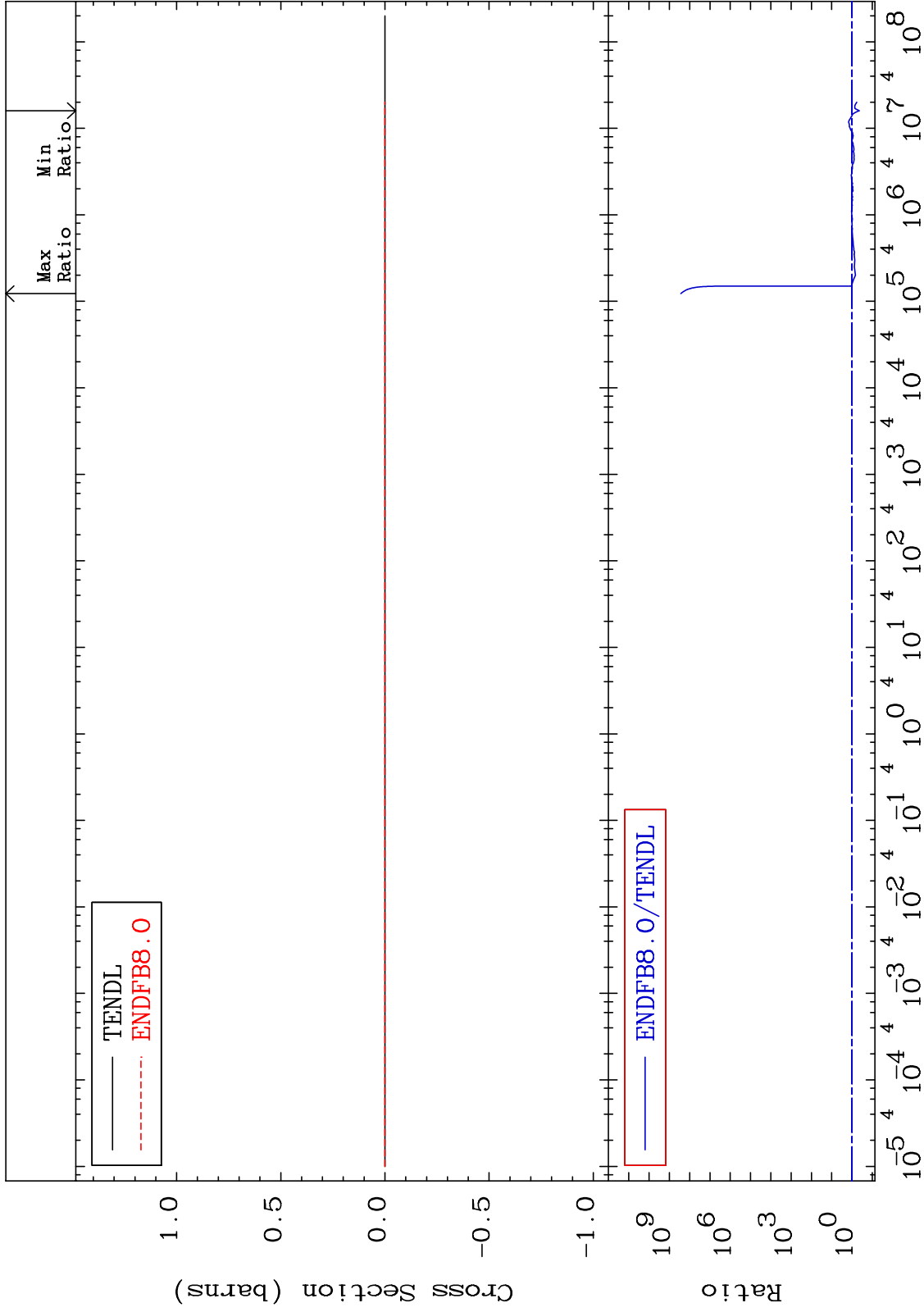
MAT 6249 Kerma inelastic (mt51-91) 62-Sm-152
 Cross Section -57.94 To 9999. %



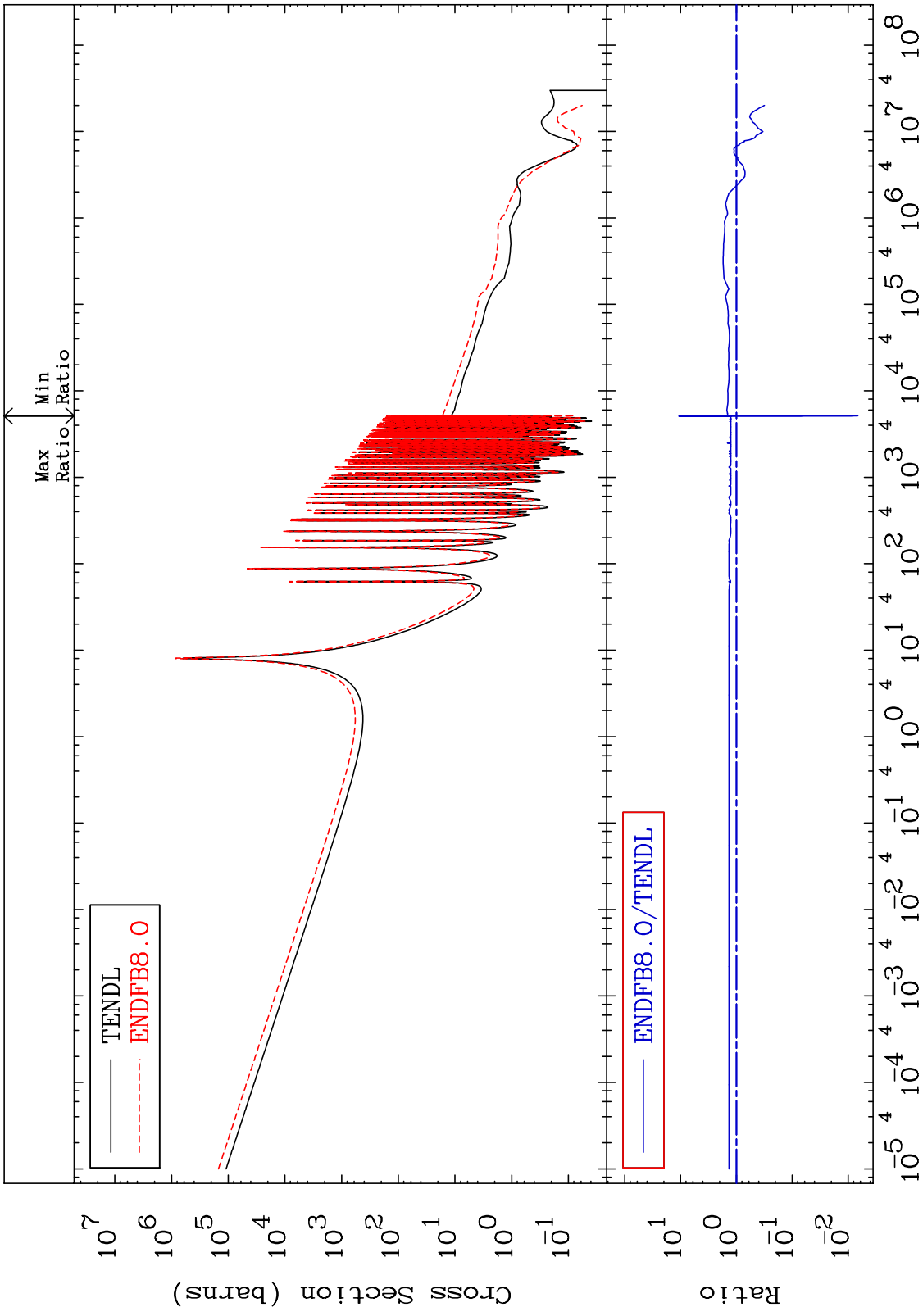
MAT 6249

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

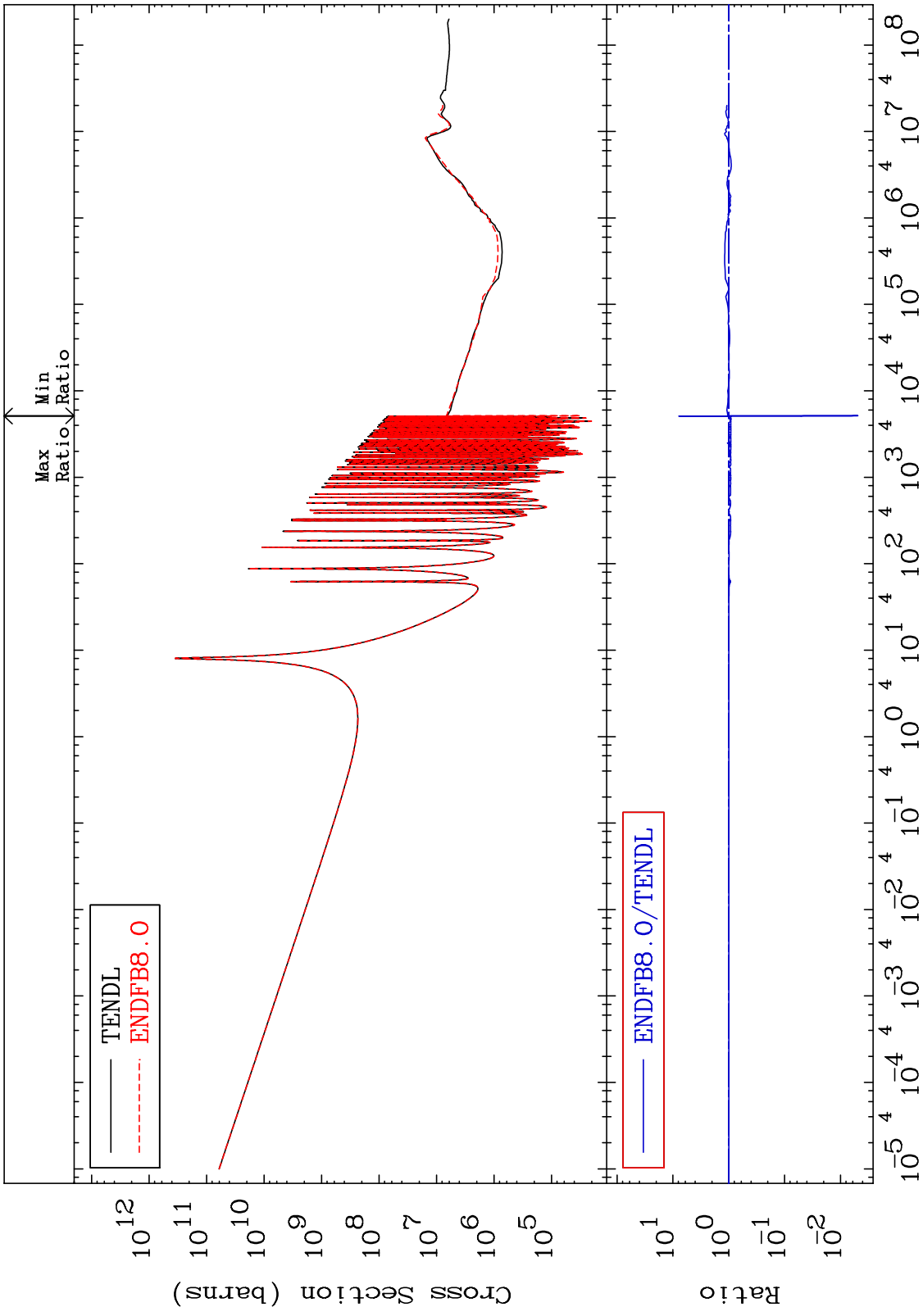
62-Sm-152
-57.94 To 9999. %



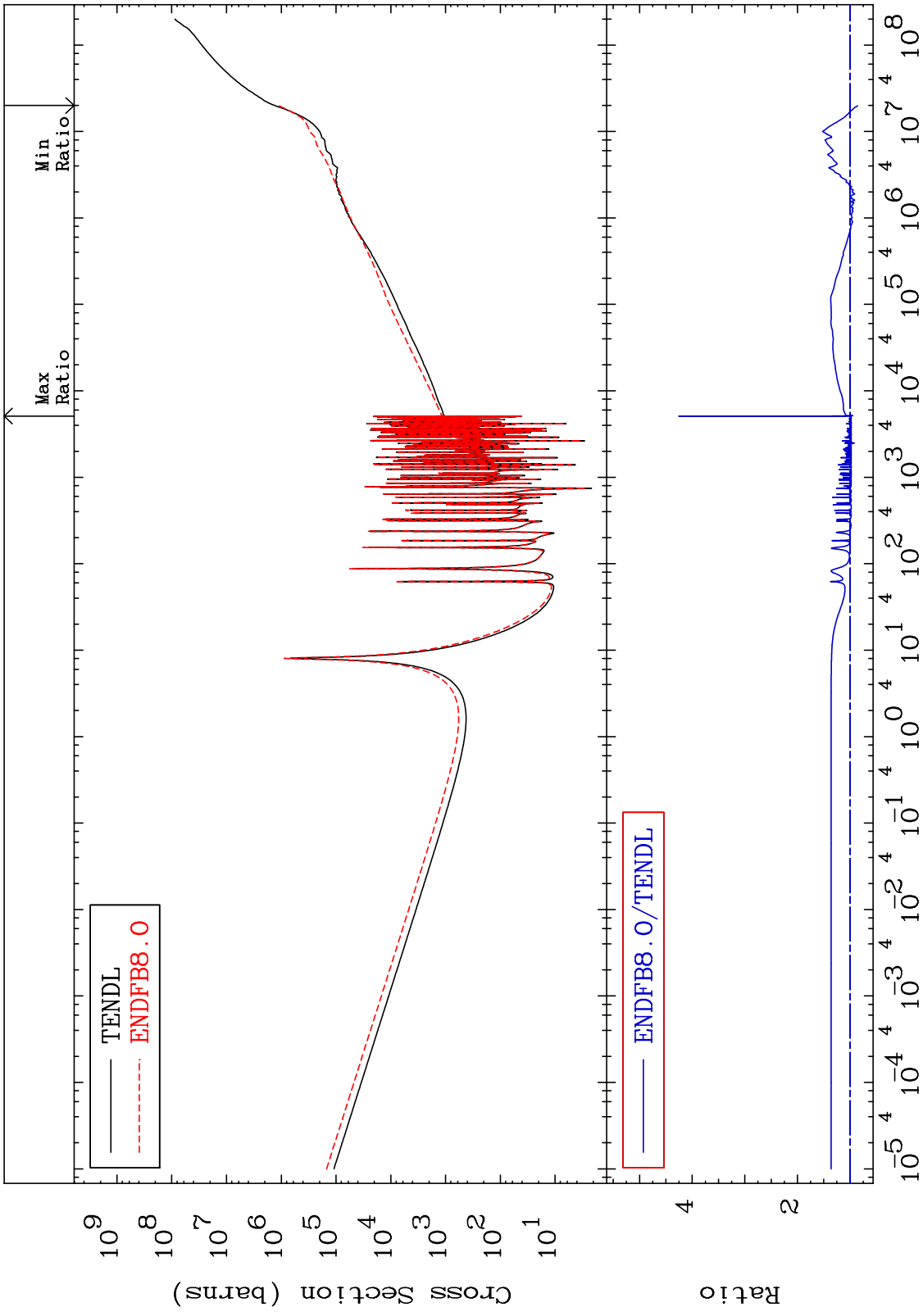
MAT 6249 Kerma capture (mt102) 62-Sm-152
 Cross Section -99.33 To 966.6 %



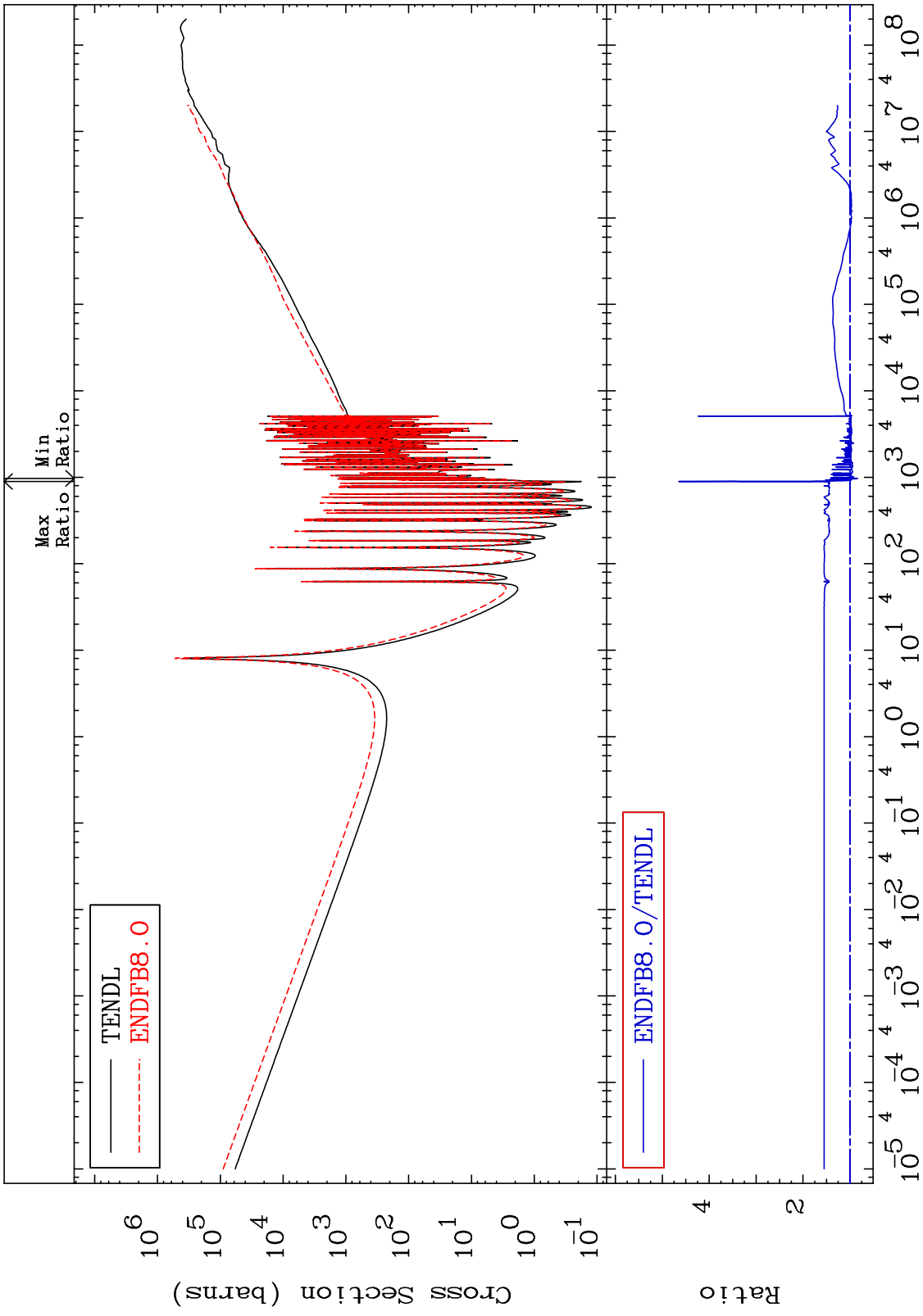
MAT 6249 Total photon (eV-barns) Cross Section 62-Sm-152 -99.51 To 677.7 %



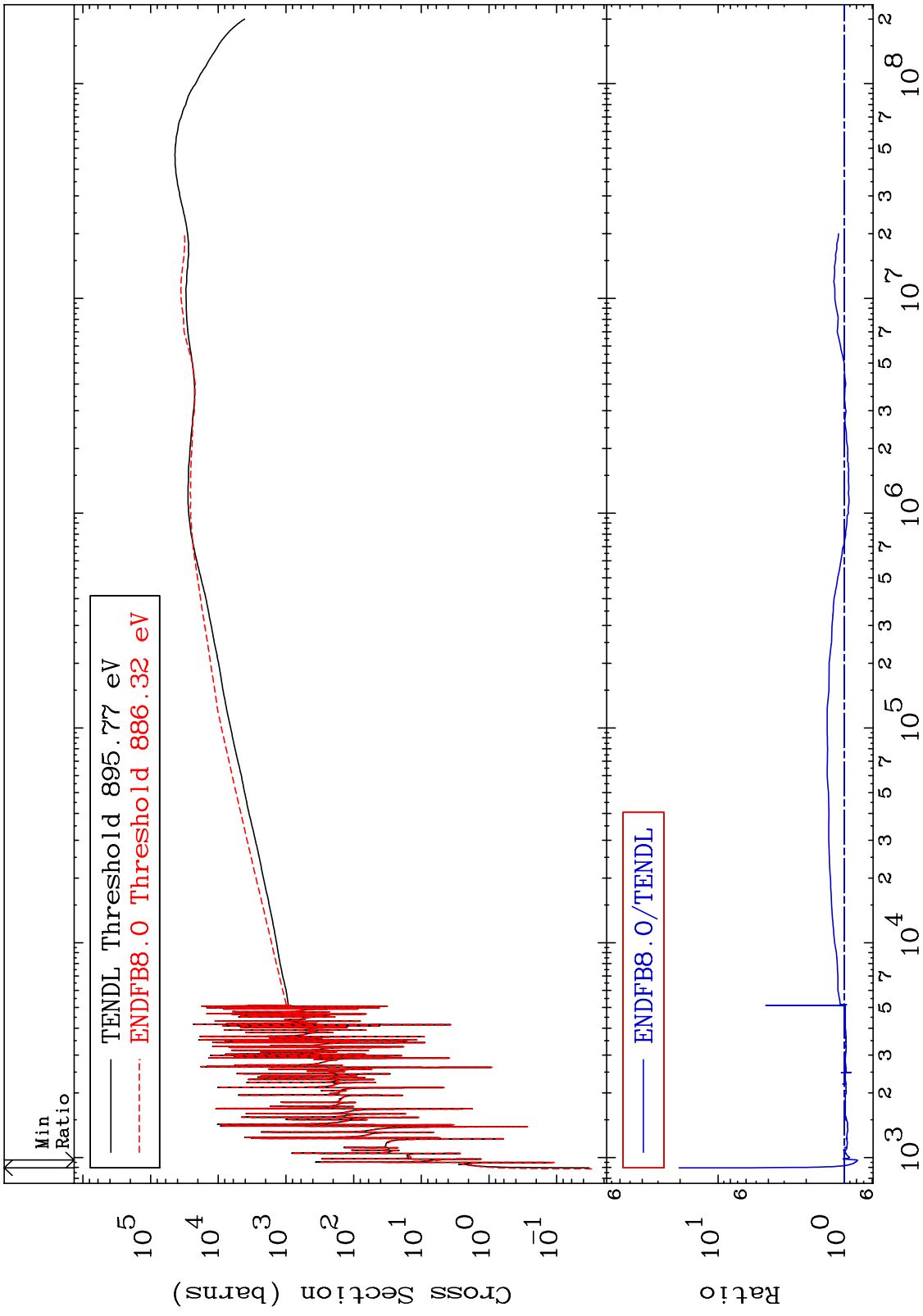
MAT 6249 Total kinematic kerma (high limit) 62-Sm-152
 Cross Section -14.77 To 324.9 %



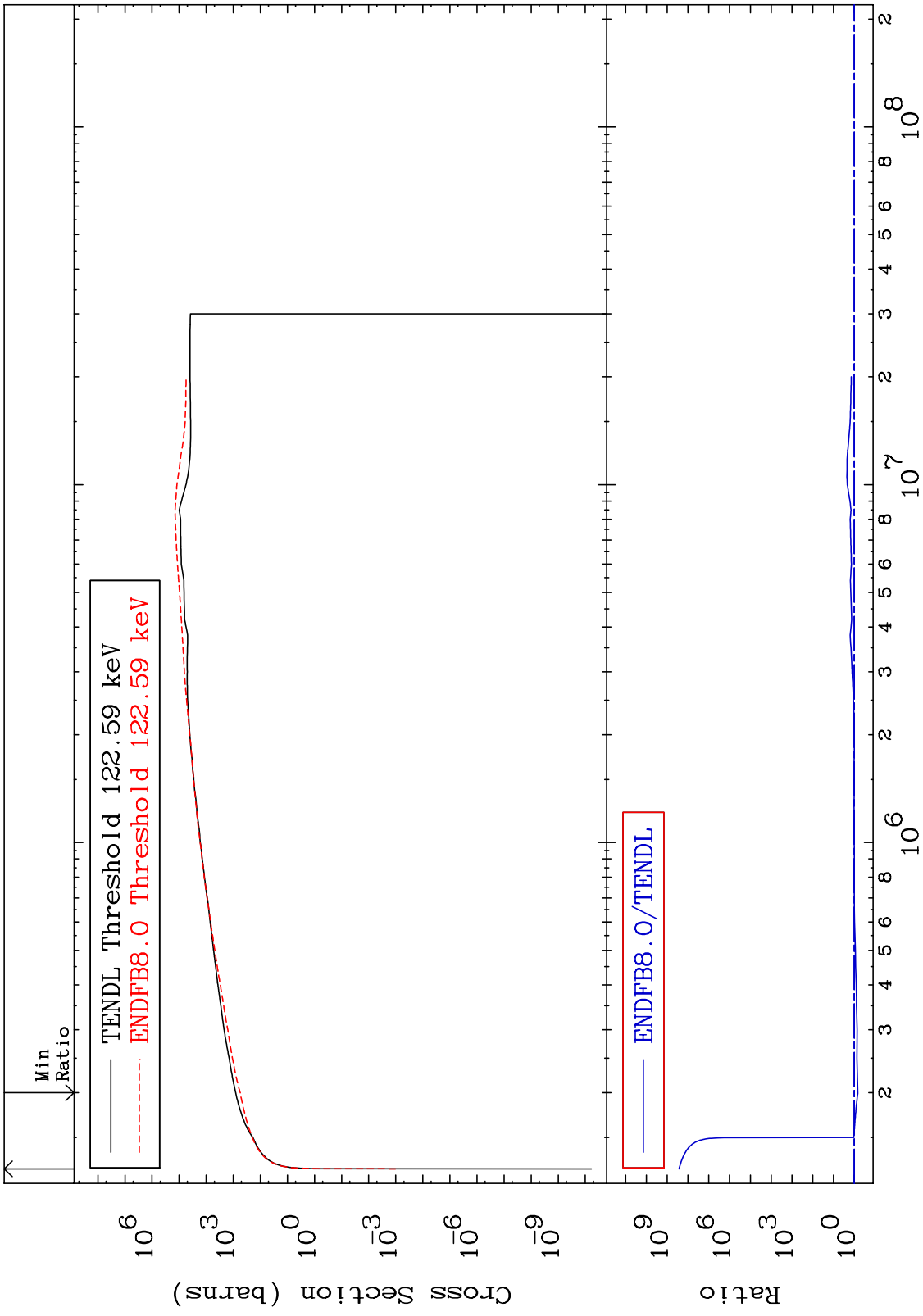
MAT 6249 Dpa total (eV-barns) 62-Sm-152
 Cross Section -16.85 To 364.3 %



MAT 6249 Dpa elastic (mt2) 62-Sm-152
Cross Section -22.01 To 1941. %



MAT 6249 Dpa inelastic (mt51-91) 62-Sm-152
 Cross Section -32.31 To 9999. %



MAT 6249 Dpa disappearance (mt102 -120) 62-Sm-152
 Cross Section -99.24 To 1117. %

