

Program Complot
(Version 2018-1)

by

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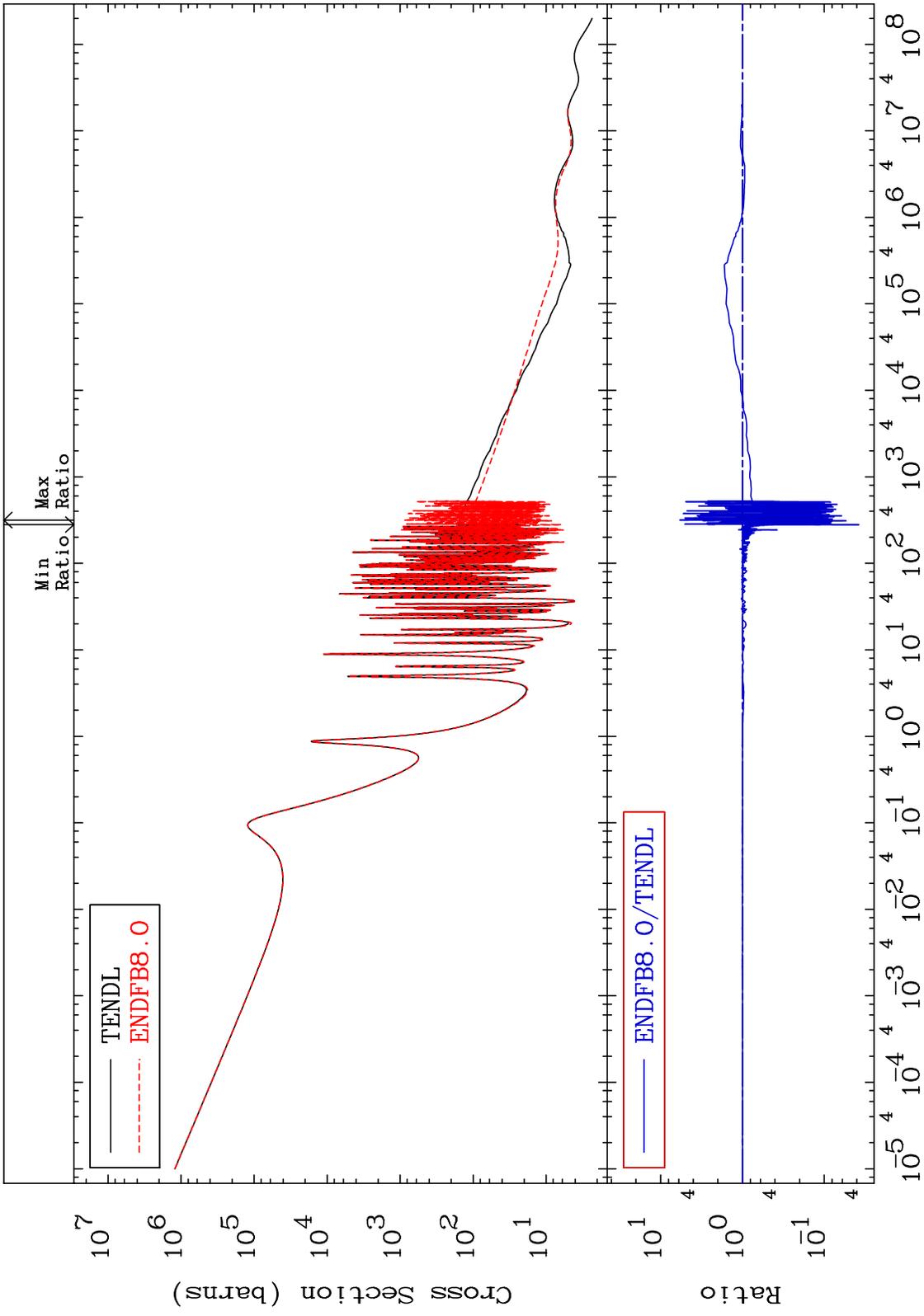
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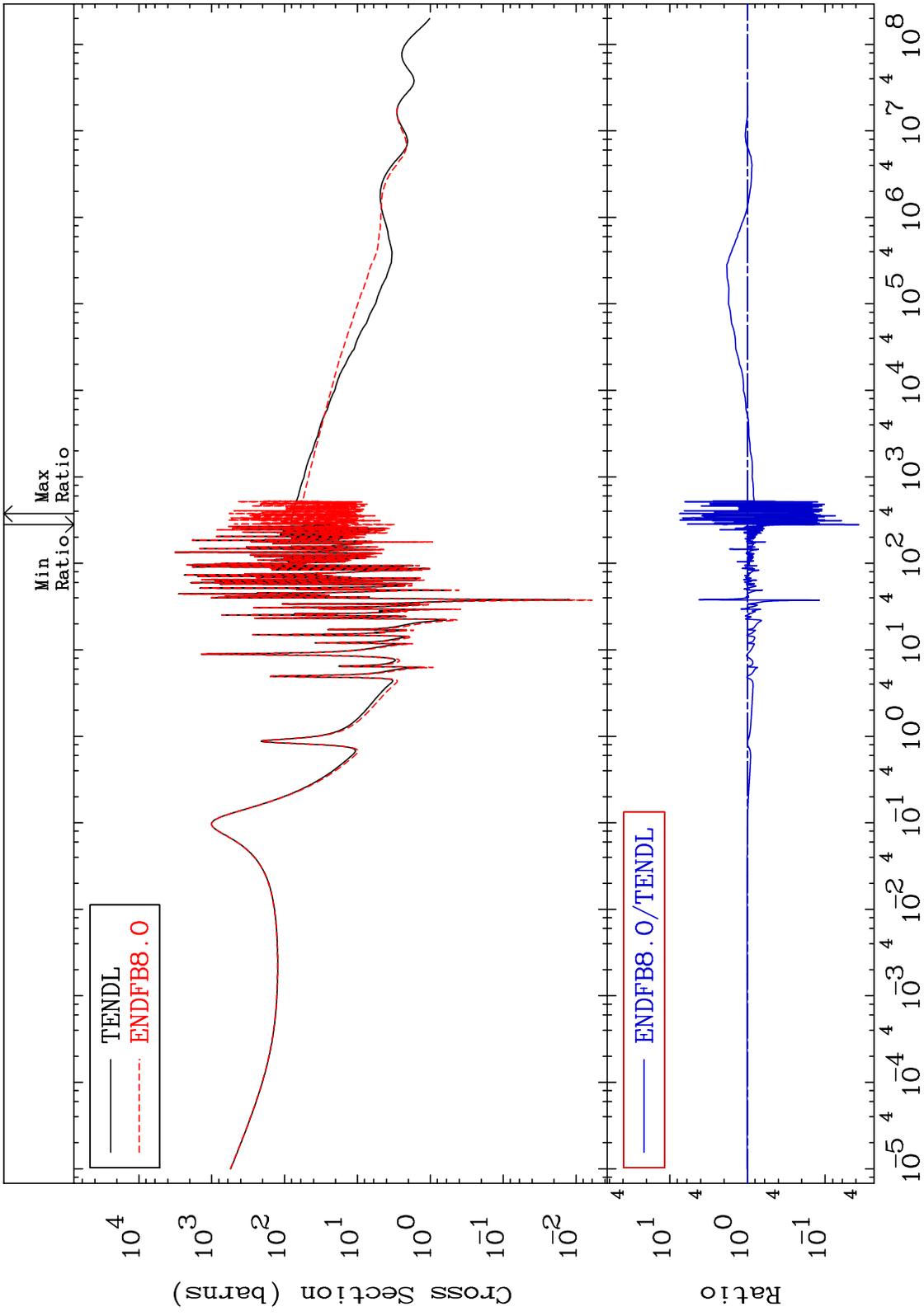
Press Mouse Button to Start

MAT 6240 62-Sm-149
Total Cross Section -96.23 To 483.4 %



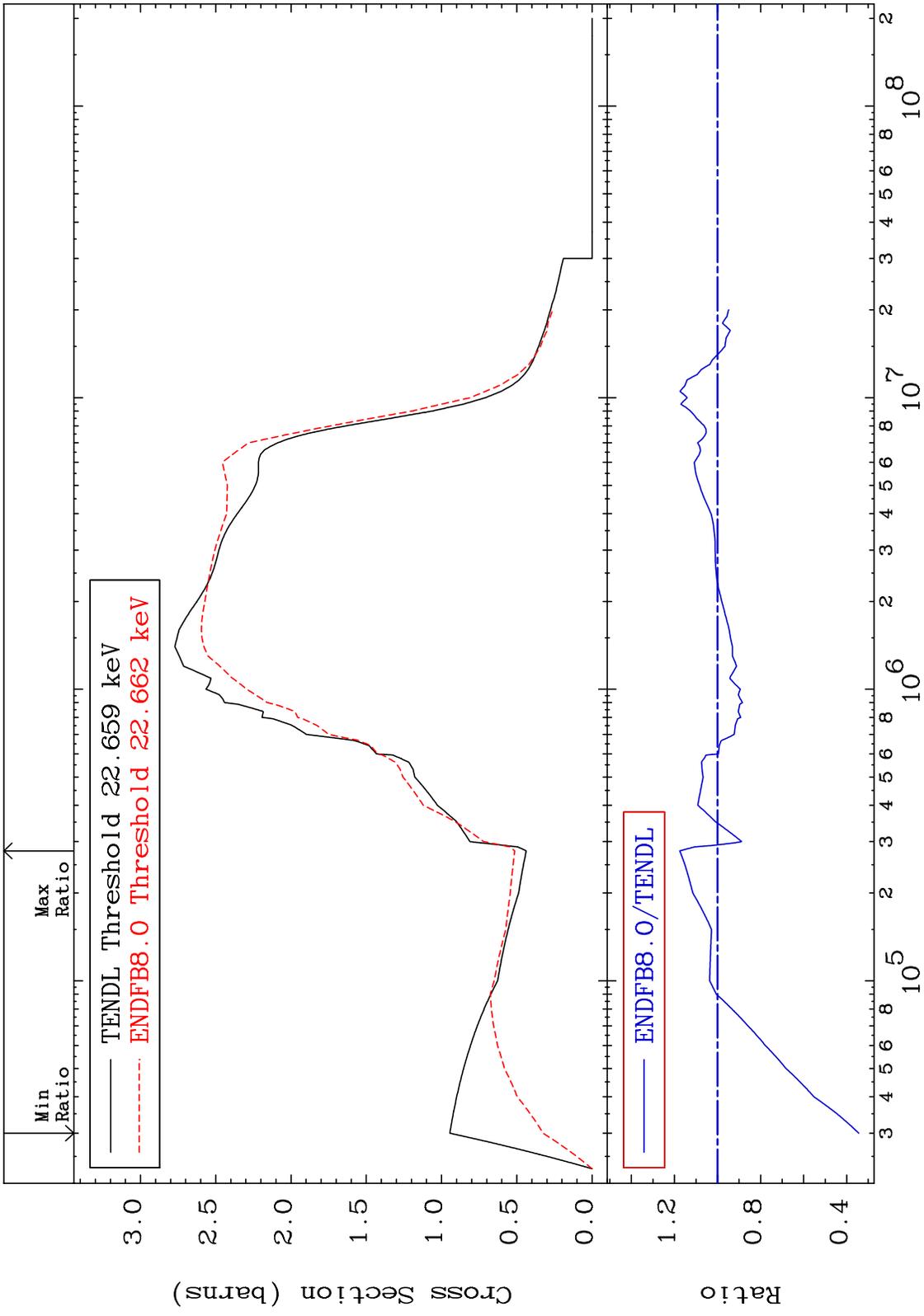
1 62-Sm-149

MAT 6240 Elastic Cross Section 62-Sm-149 -96.32 To 644.0 %

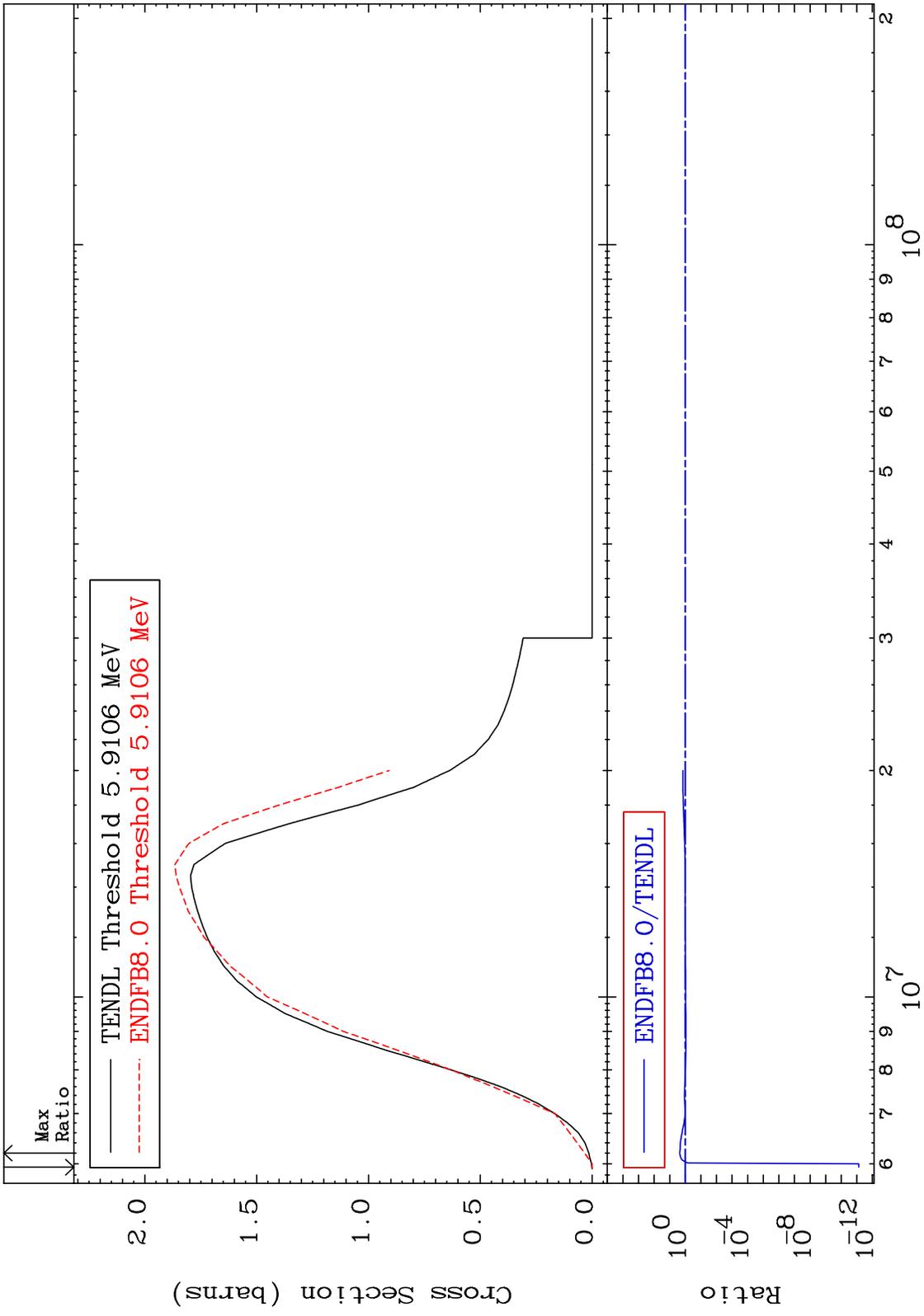


2 62-Sm-149

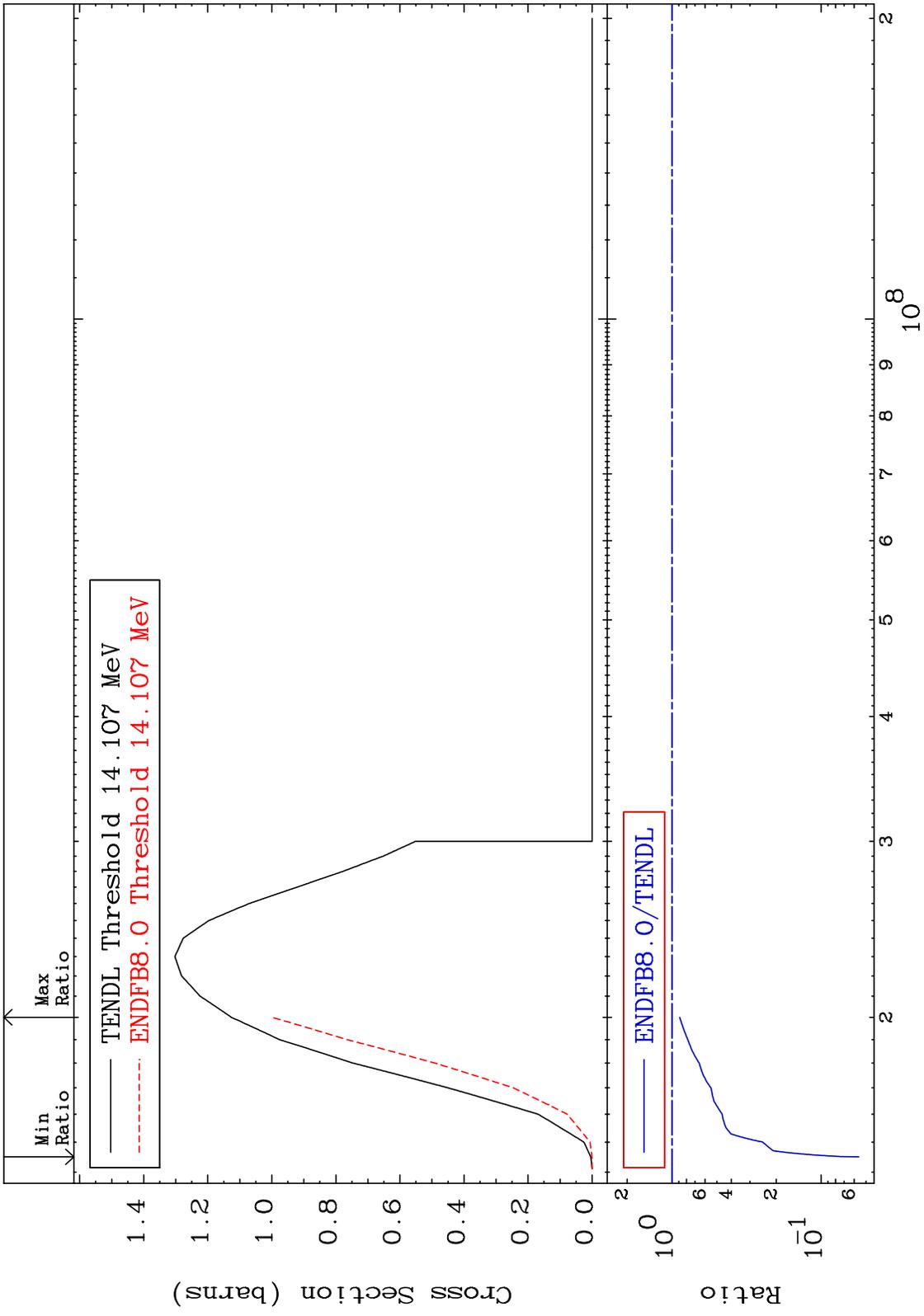
MAT 6240 Inelastic Cross Section 62-Sm-149 -65.60 To 17.54 %



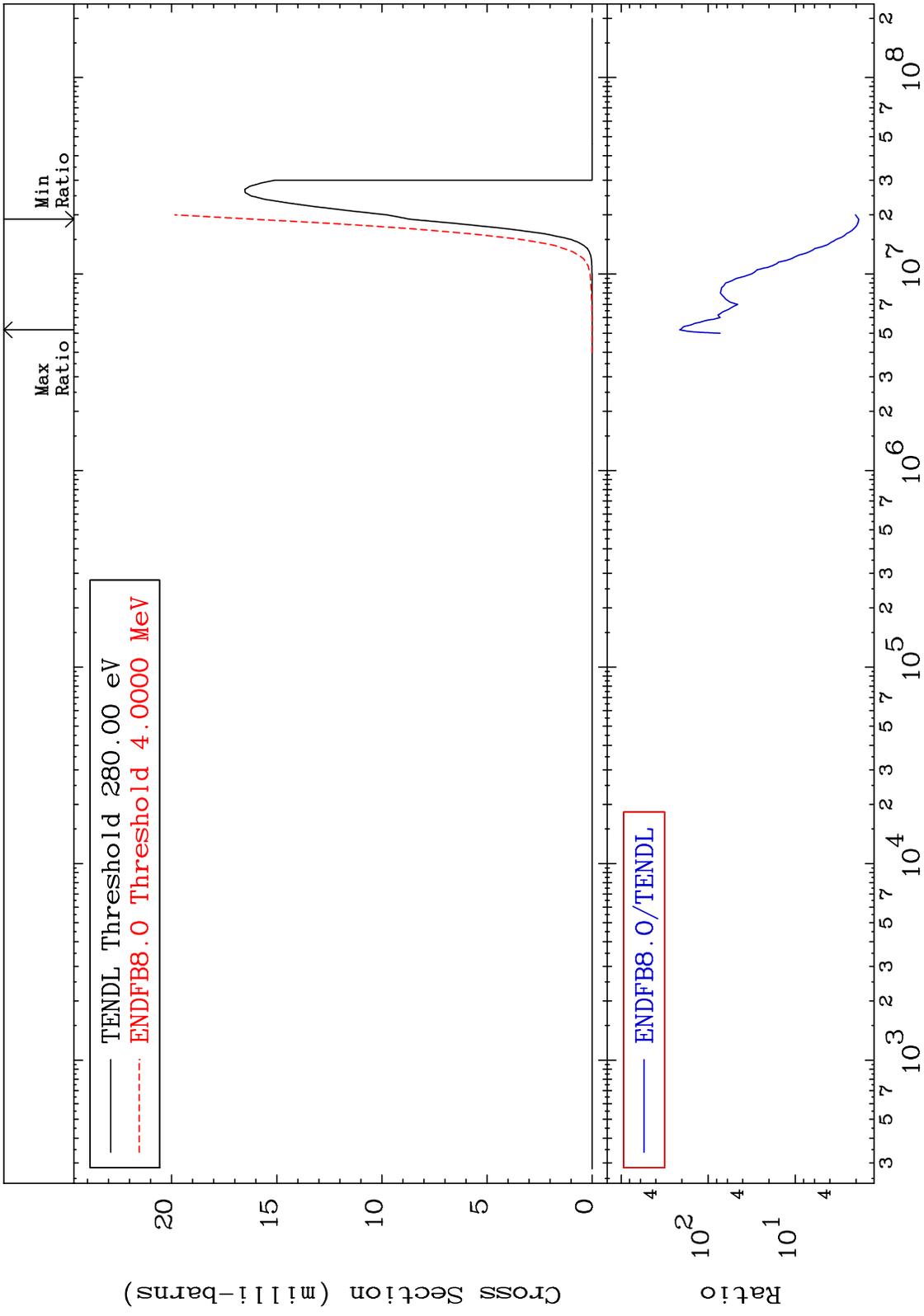
MAT 6240 (n,2n) Cross Section 62-Sm-149 -100.0 To 127.8 %



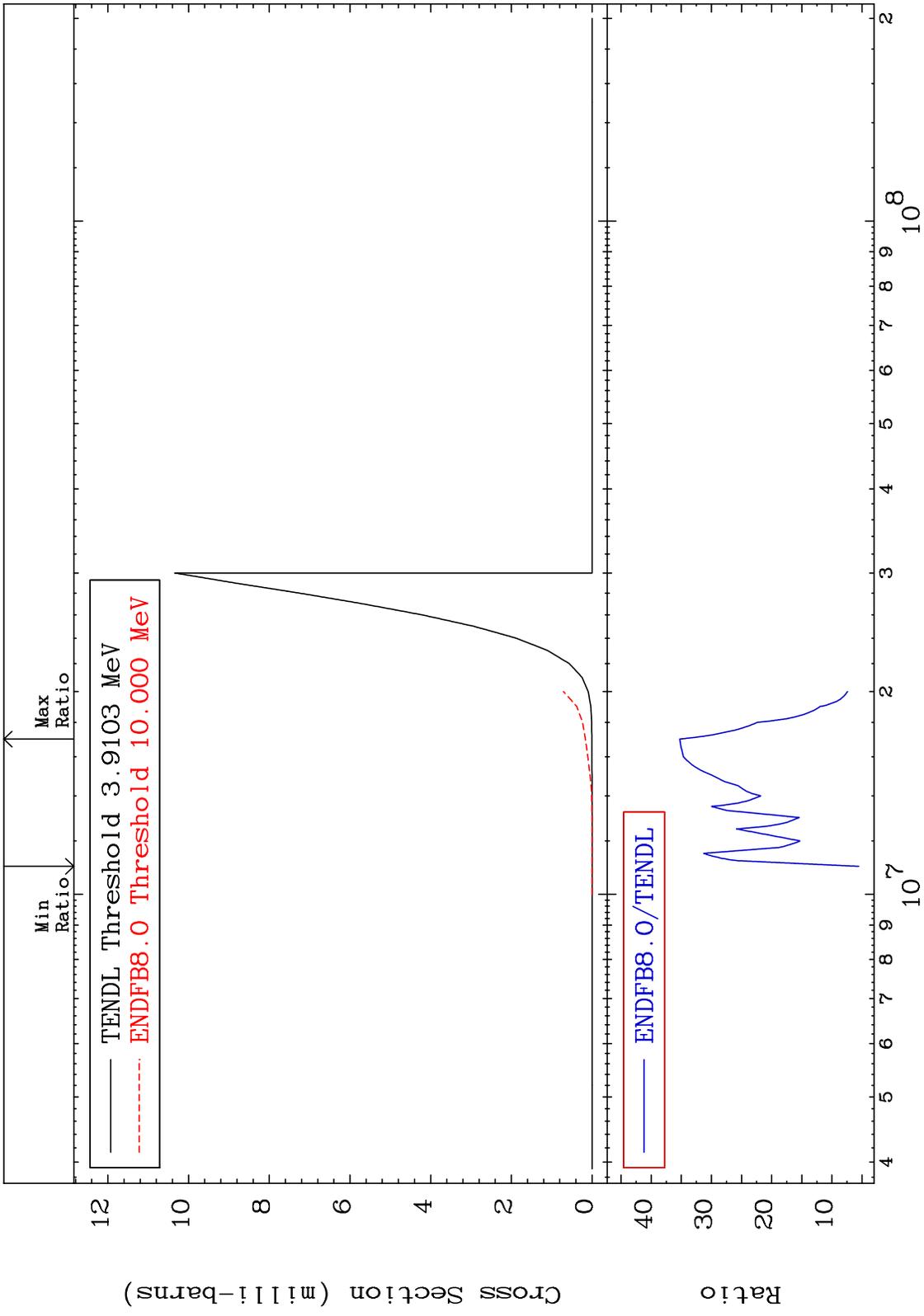
MAT 6240 (n,3n) 62-Sm-149
 Cross Section -94.42 To -11.28%



MAT 6240 $(n, n') \alpha$ Cross Section 62-Sm-149 To 9999. %



MAT 6240 (n,2n) α 62-Sm-149
 Cross Section 453.5 To 3426. %

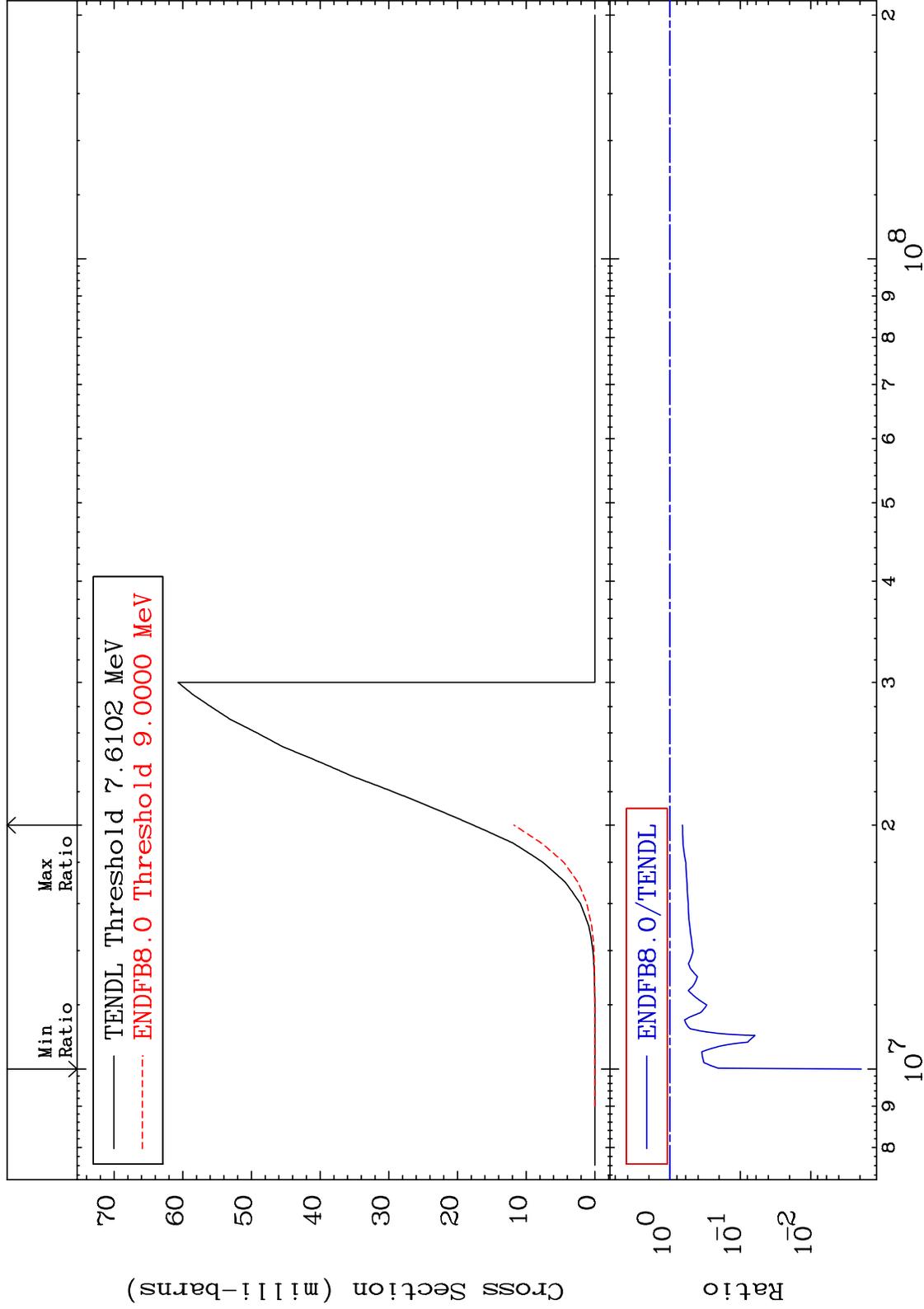


7 62-Sm-149

MAT 6240

(n,n') p
Cross Section

62-Sm-149
-99.81 To -33.42%

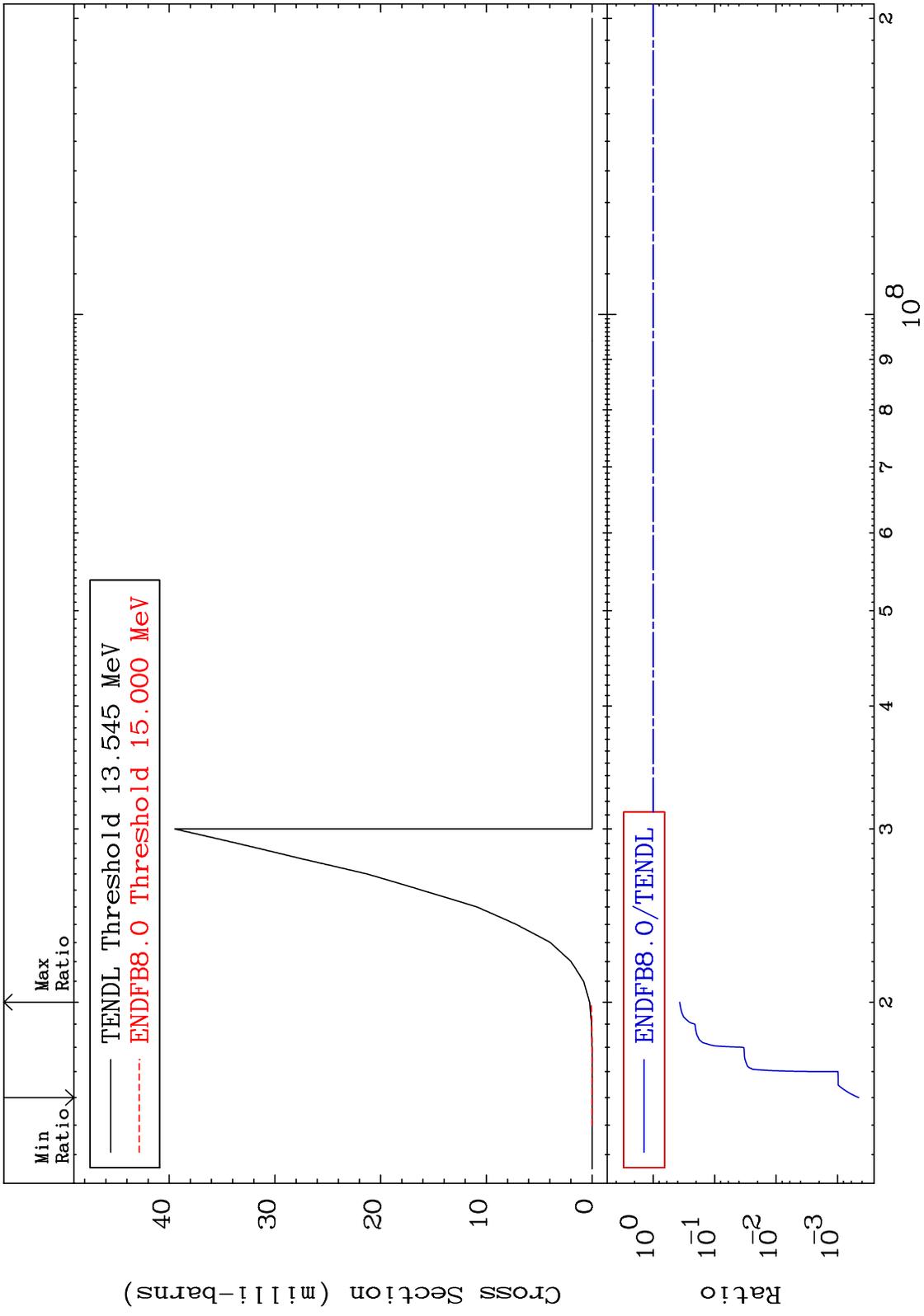


8

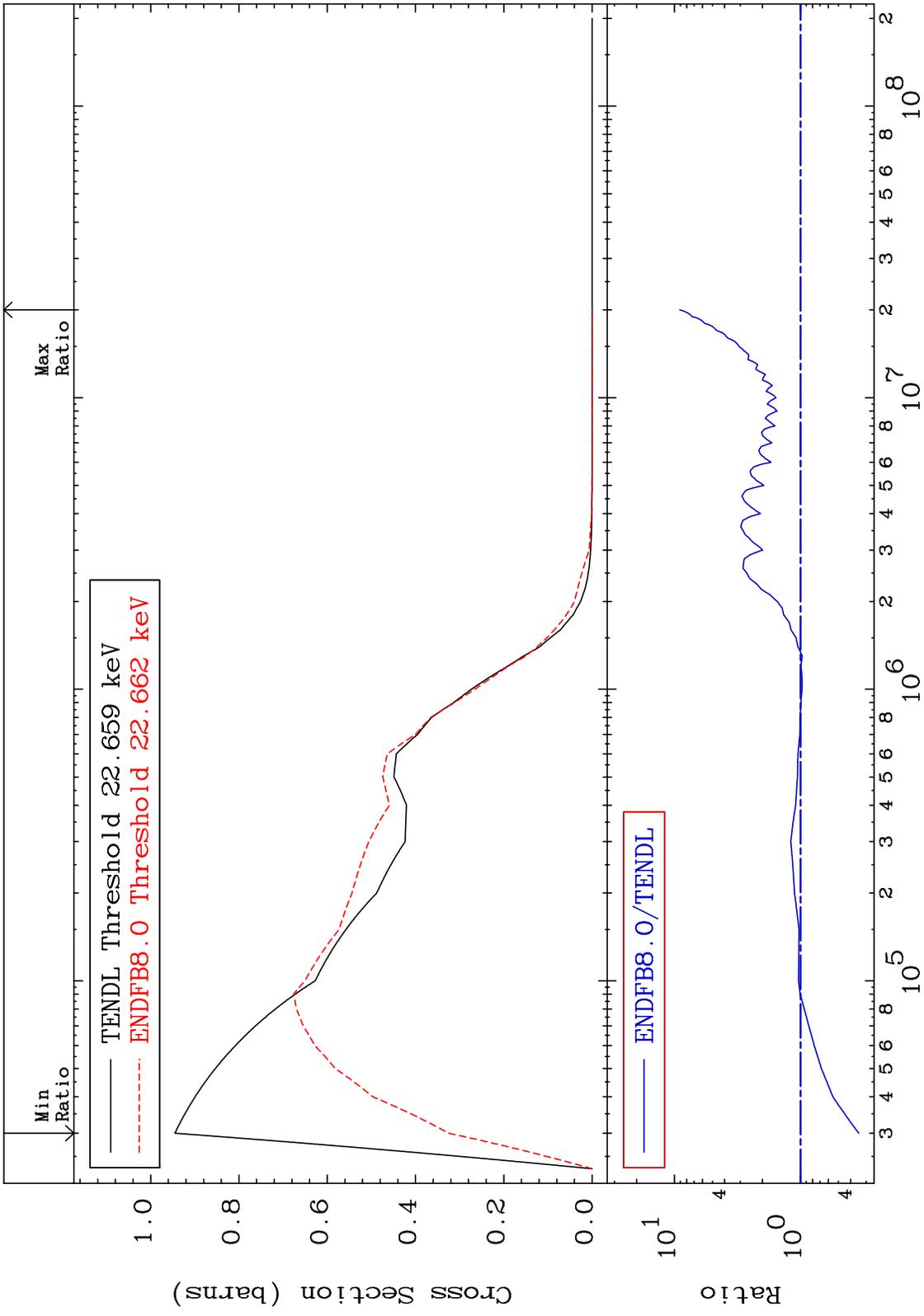
Incident Energy (eV)

62-Sm-149

MAT 6240 (n,2n) p 62-Sm-149
 Cross Section -99.95 To -63.08%

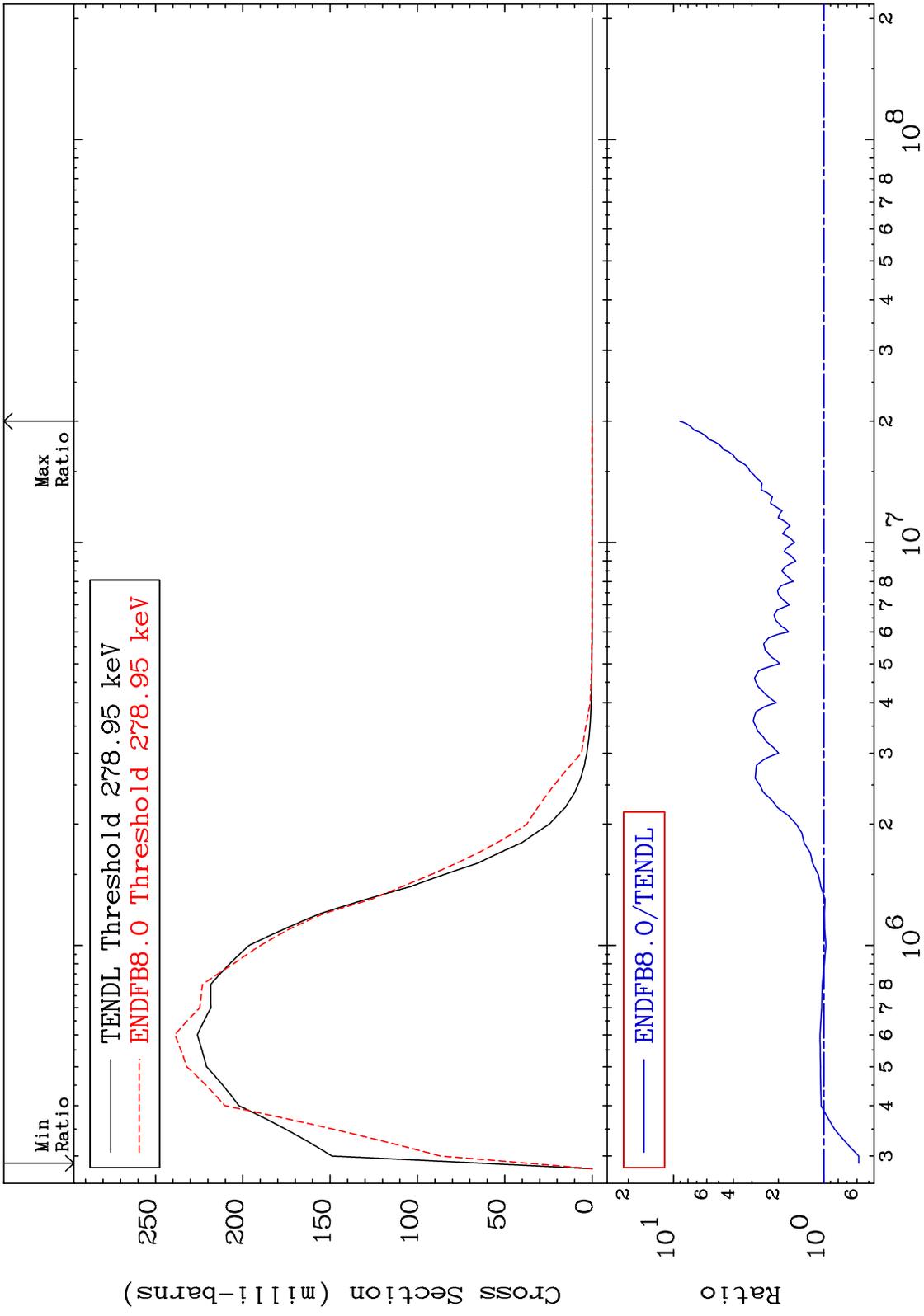


MAT 6240 MT= 51 (n,n') Level Cross Section 62-Sm-149 -65.60 To 809.0 %

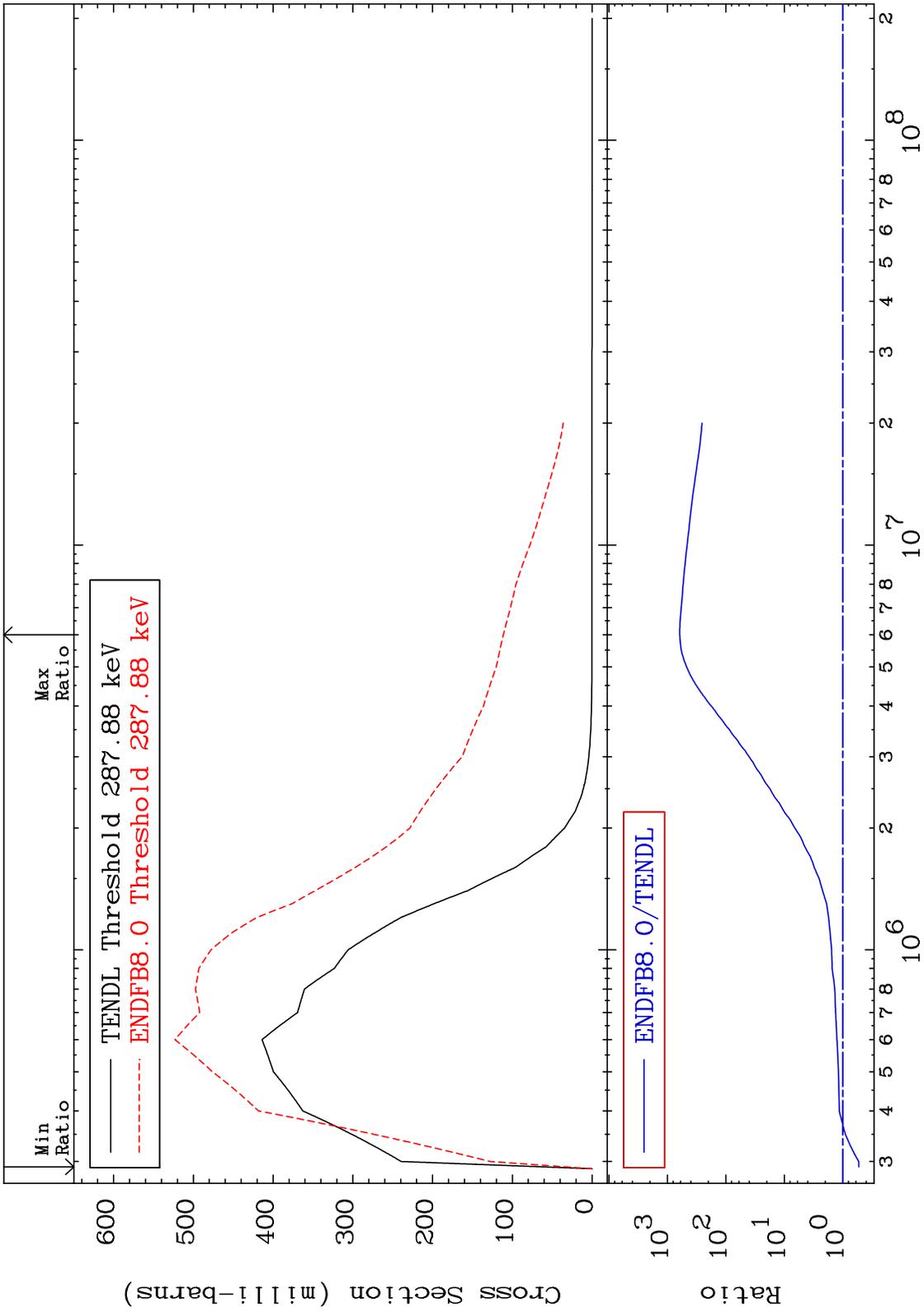


10 Incident Energy (eV) 62-Sm-149

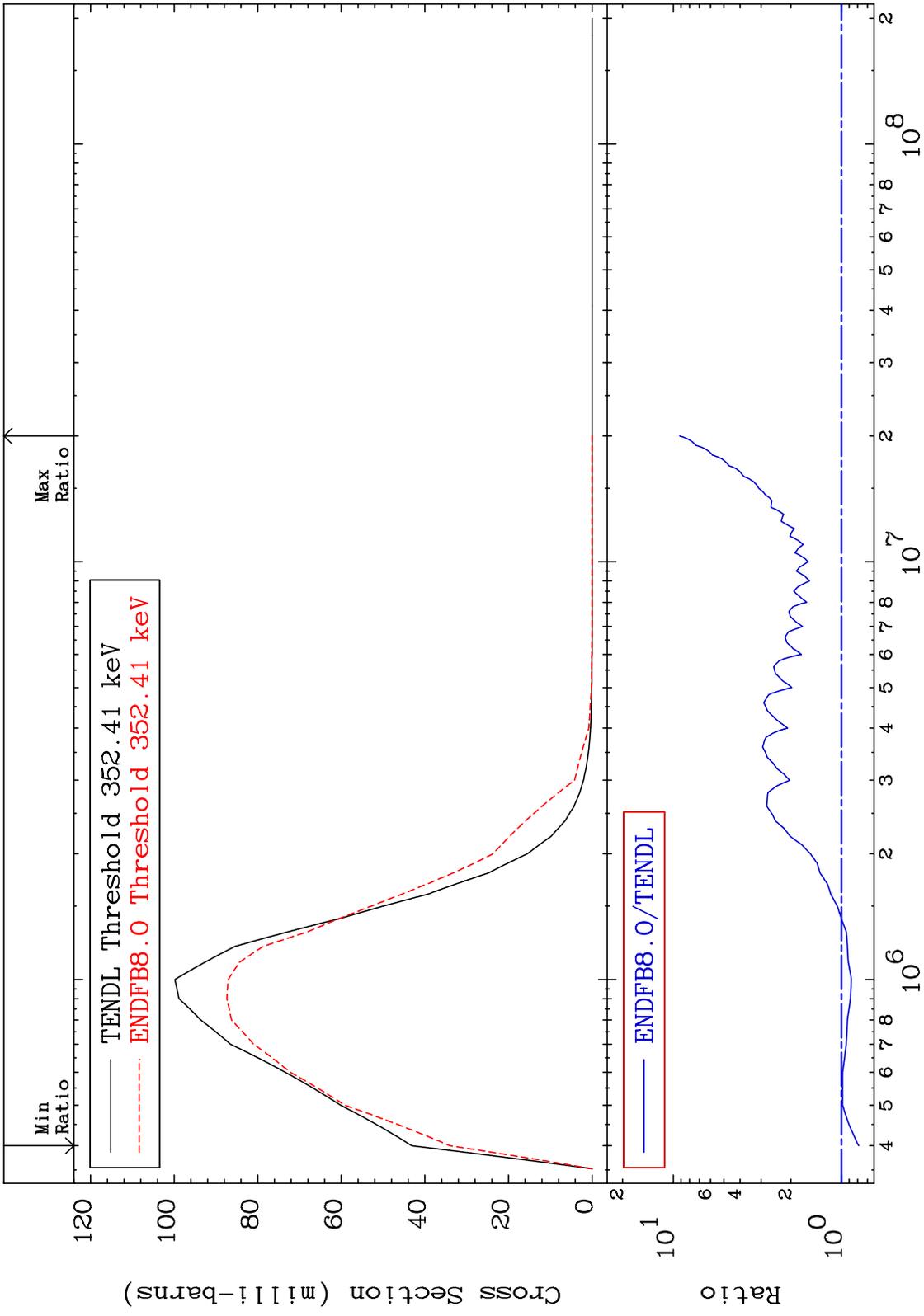
MAT 6240 MT= 52 (n,n') Level Cross Section 62-Sm-149 -41.71 To 809.5 %



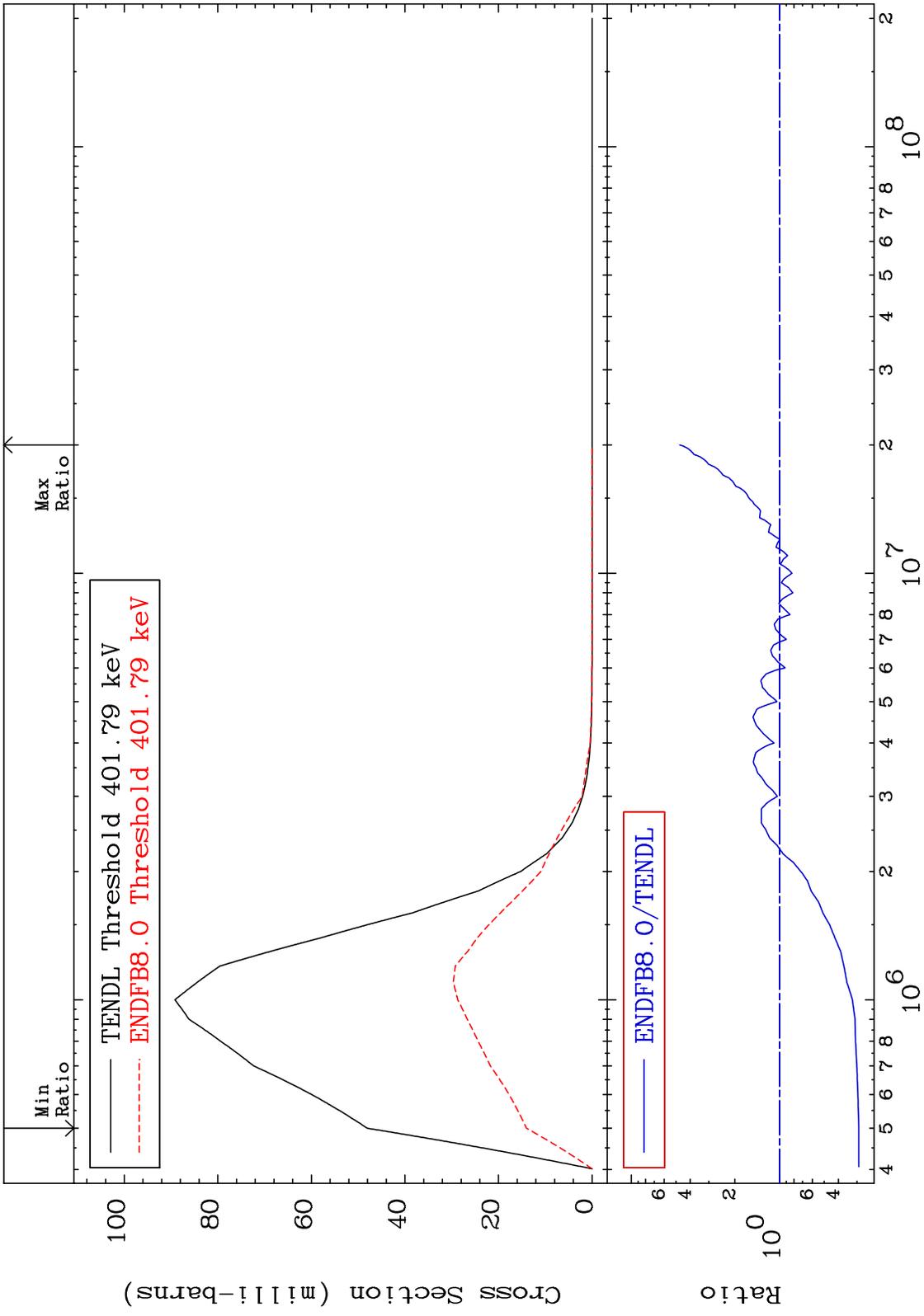
MAT 6240 MT= 53 (n,n') Level Cross Section 62-Sm-149
 -46.61 To 9999. %



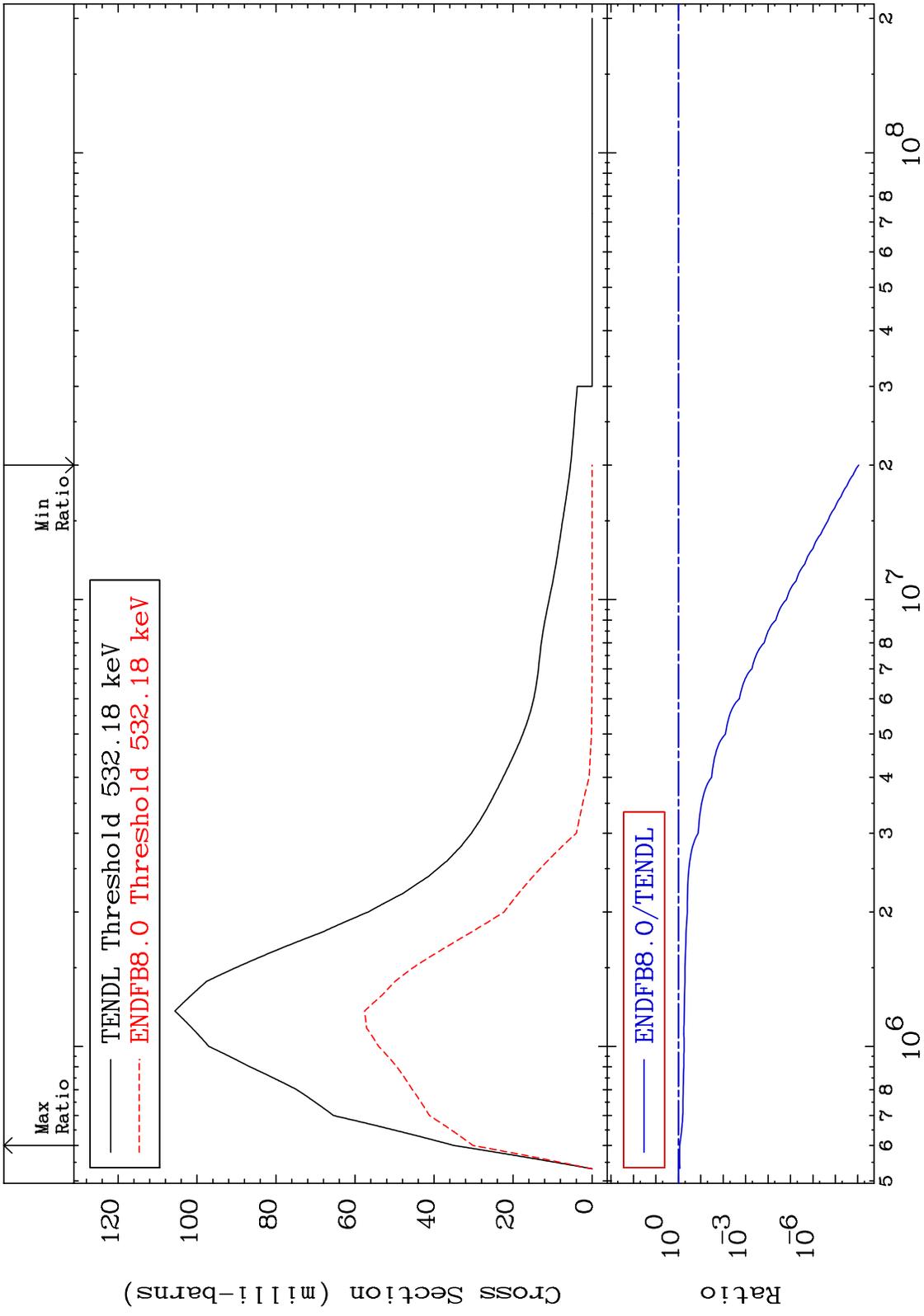
MAT 6240 MT= 54 (n,n') Level Cross Section 62-Sm-149
 -21.18 To 814.7 %



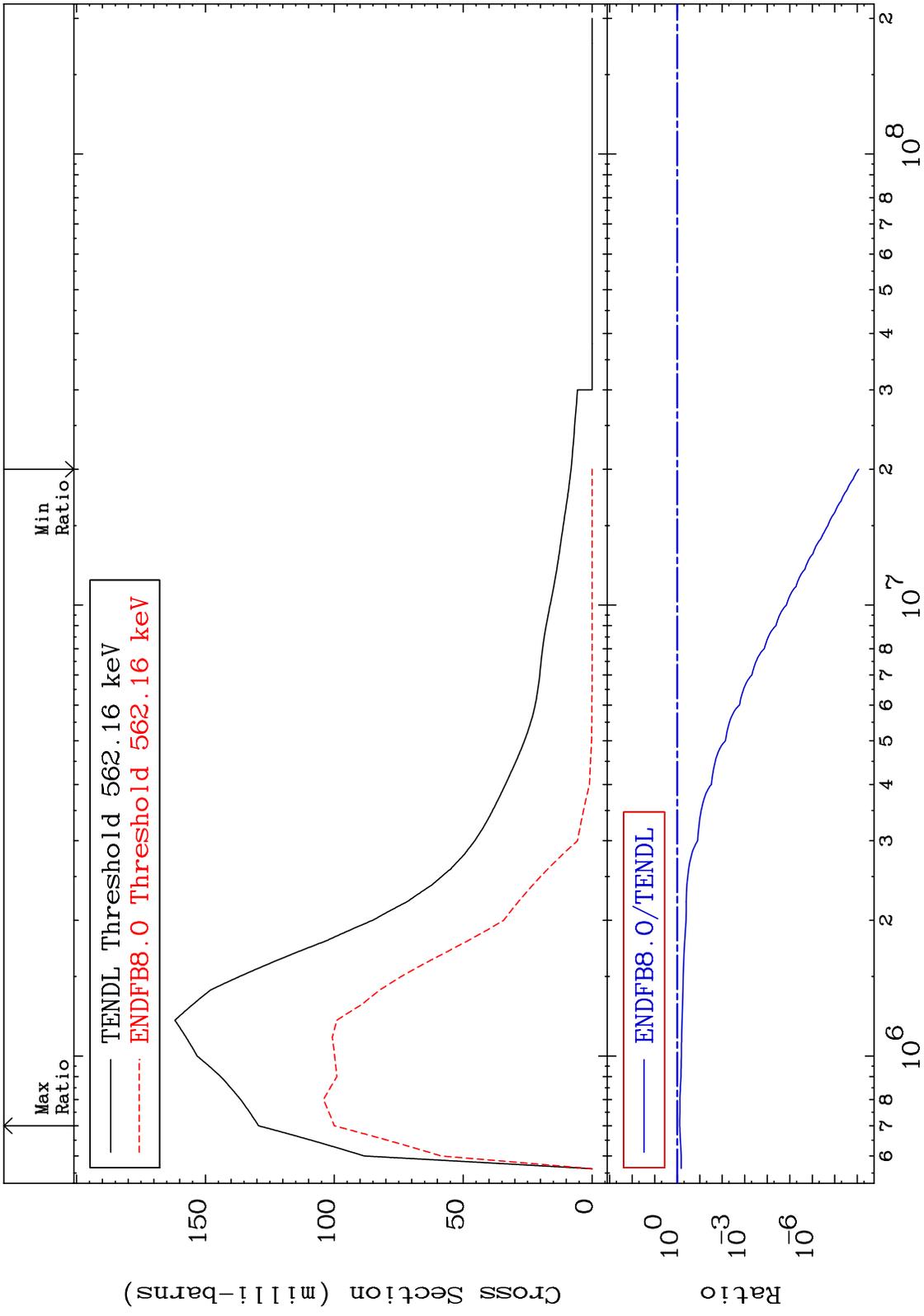
MAT 6240 MT= 55 (n,n') Level Cross Section 62-Sm-149
 -70.83 To 370.7 %



MAT 6240 MT= 56 (n,n') Level Cross Section 62-Sm-149 -100.0 To -13.75%

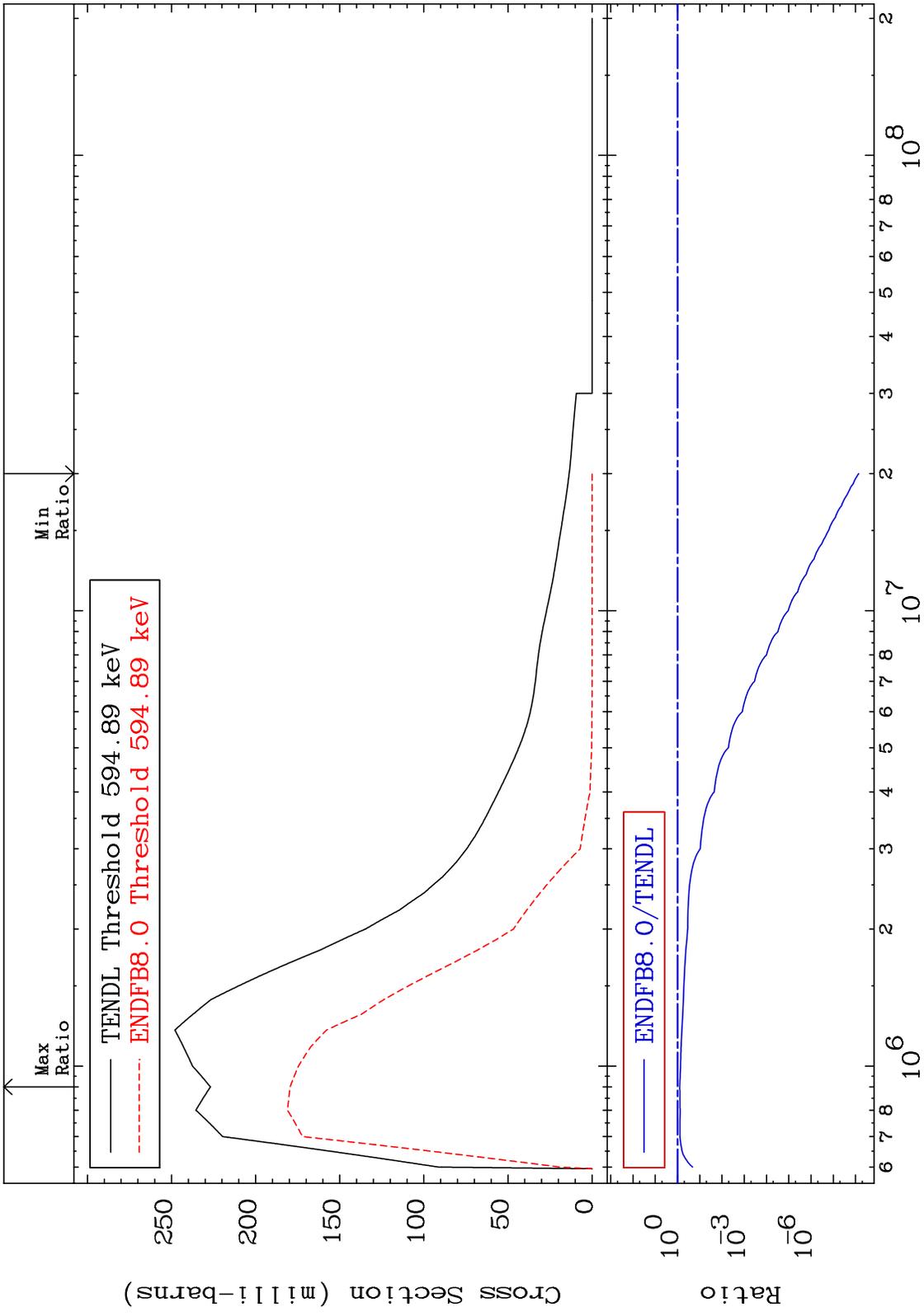


MAT 6240 MT= 57 (n,n') Level Cross Section 62-Sm-149
 -100.0 To -22.70%

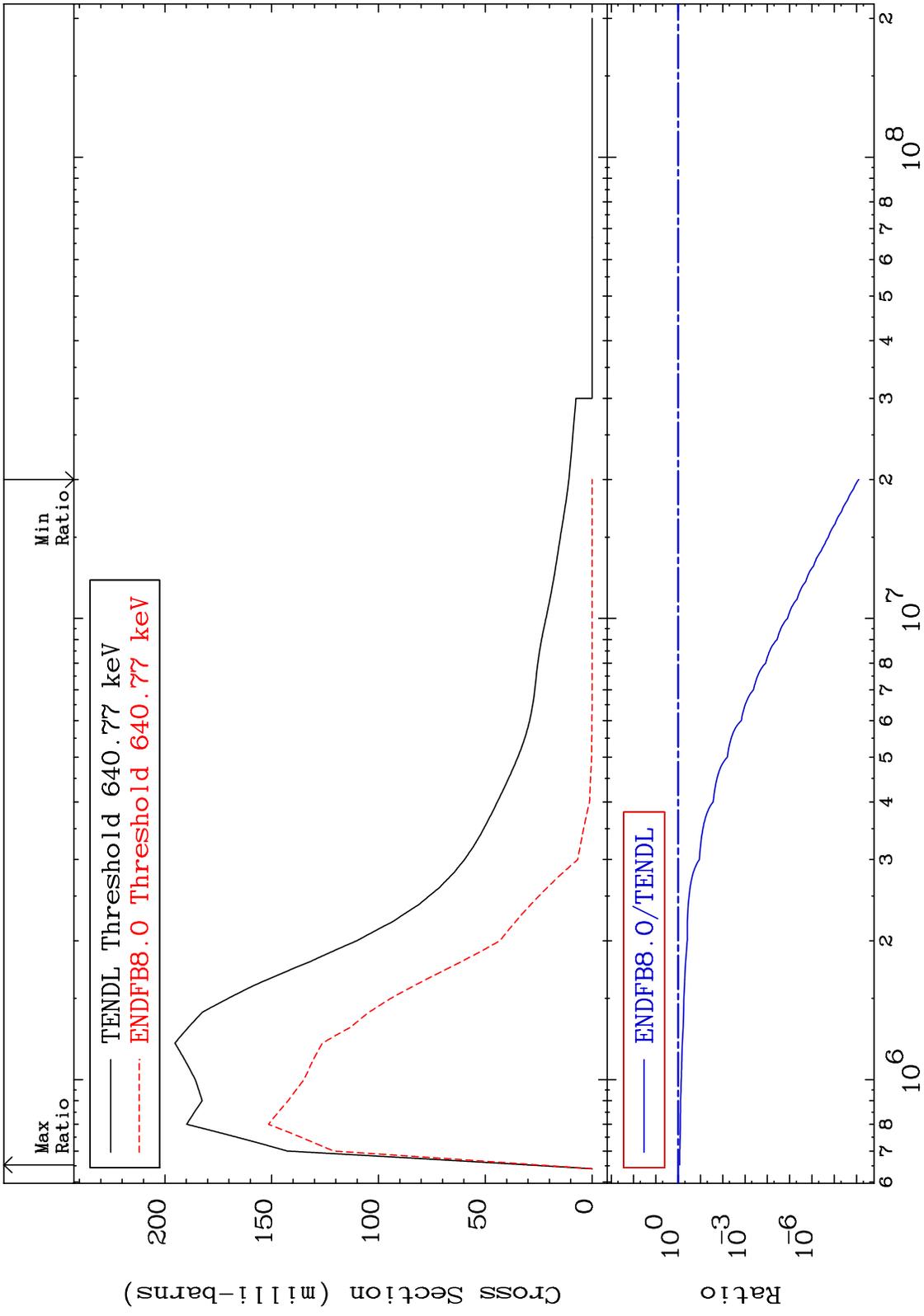


16 Incident Energy (eV) 62-Sm-149

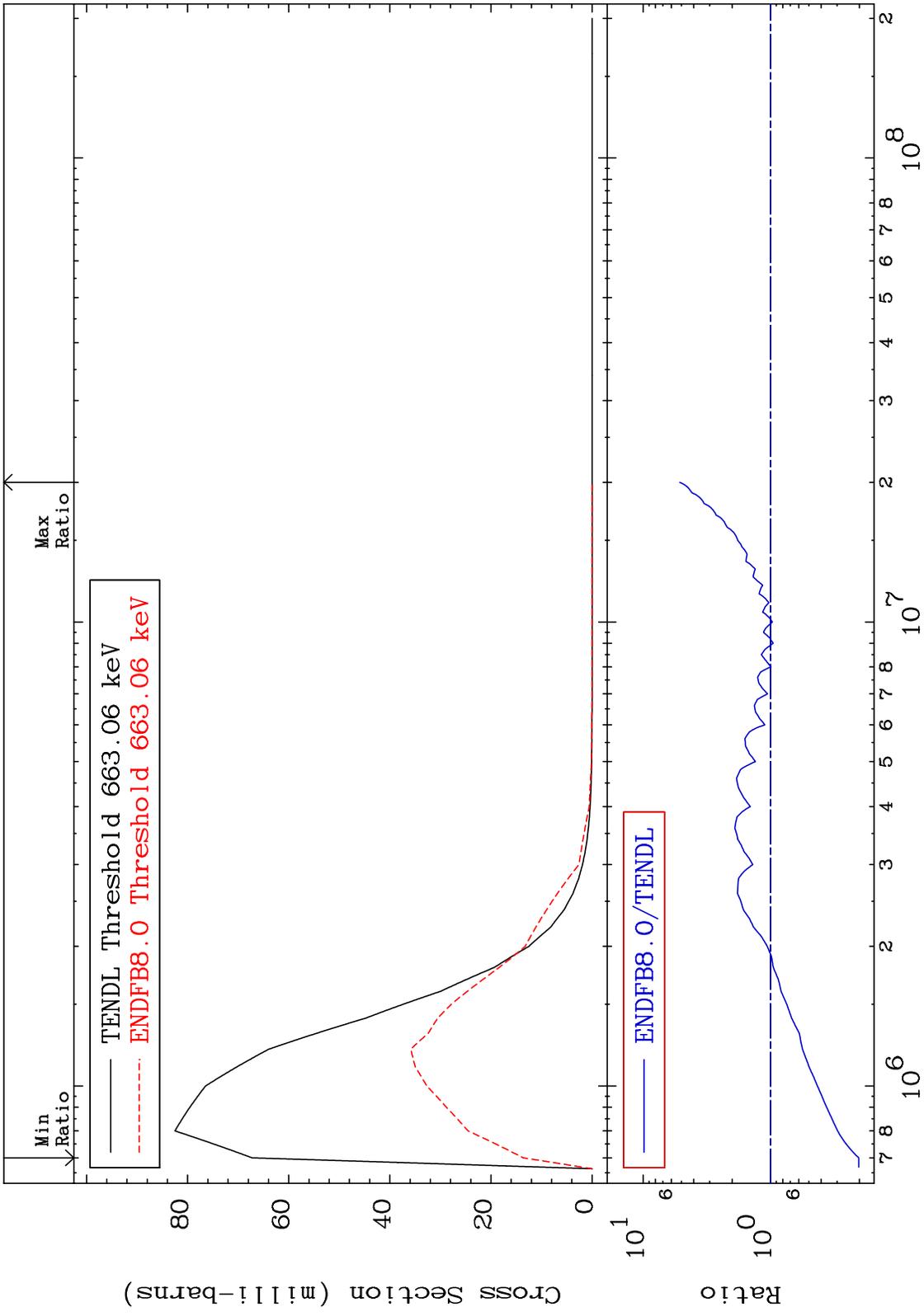
MAT 6240 MT= 58 (n,n') Level 62-Sm-149
 Cross Section -100.0 To -20.86%



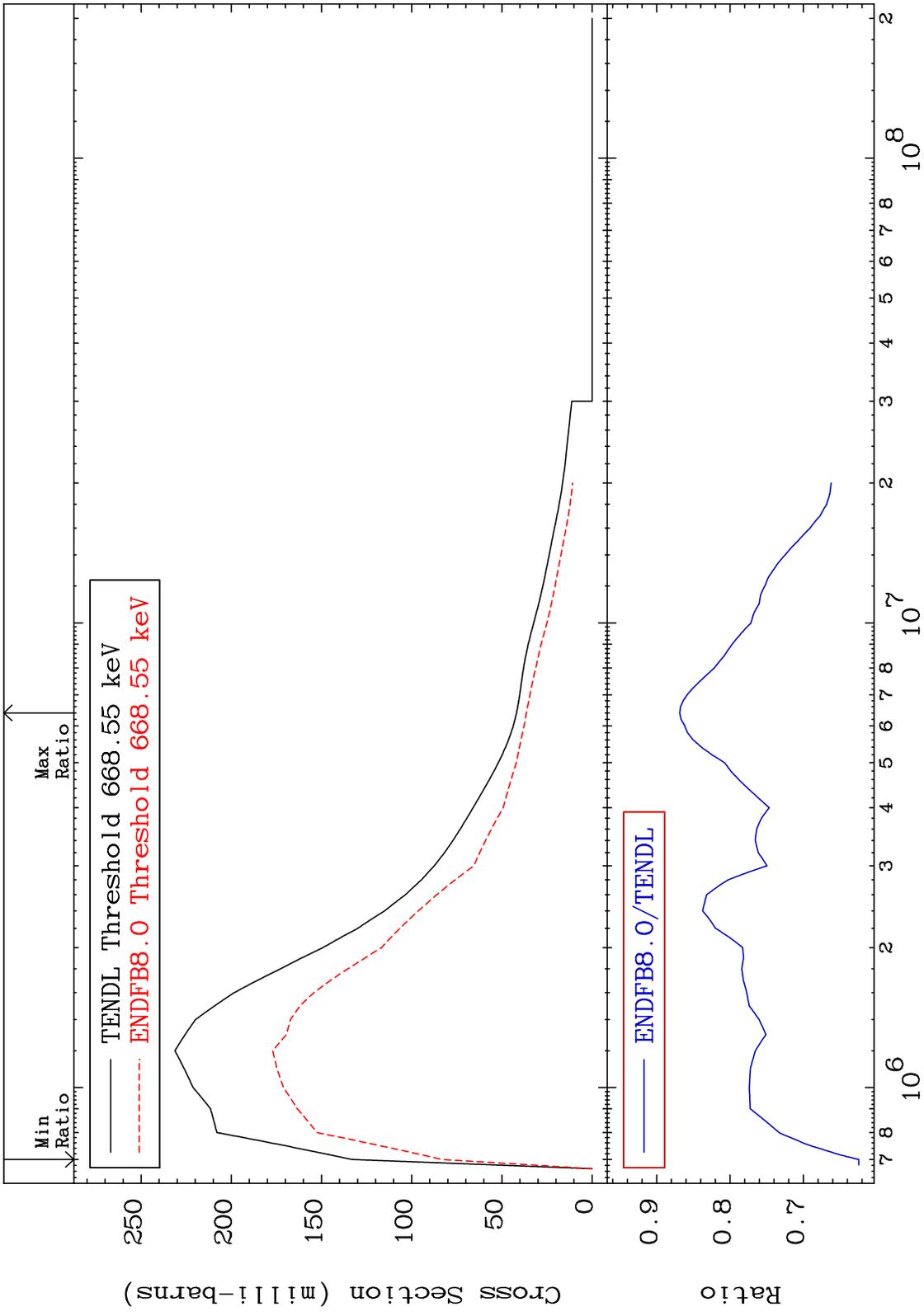
MAT 6240 MT= 59 (n,n') Level Cross Section 62-Sm-149 -100.0 To -15.09%



MAT 6240 MT= 60 (n,n') Level Cross Section 62-Sm-149
 -79.75 To 415.7 %

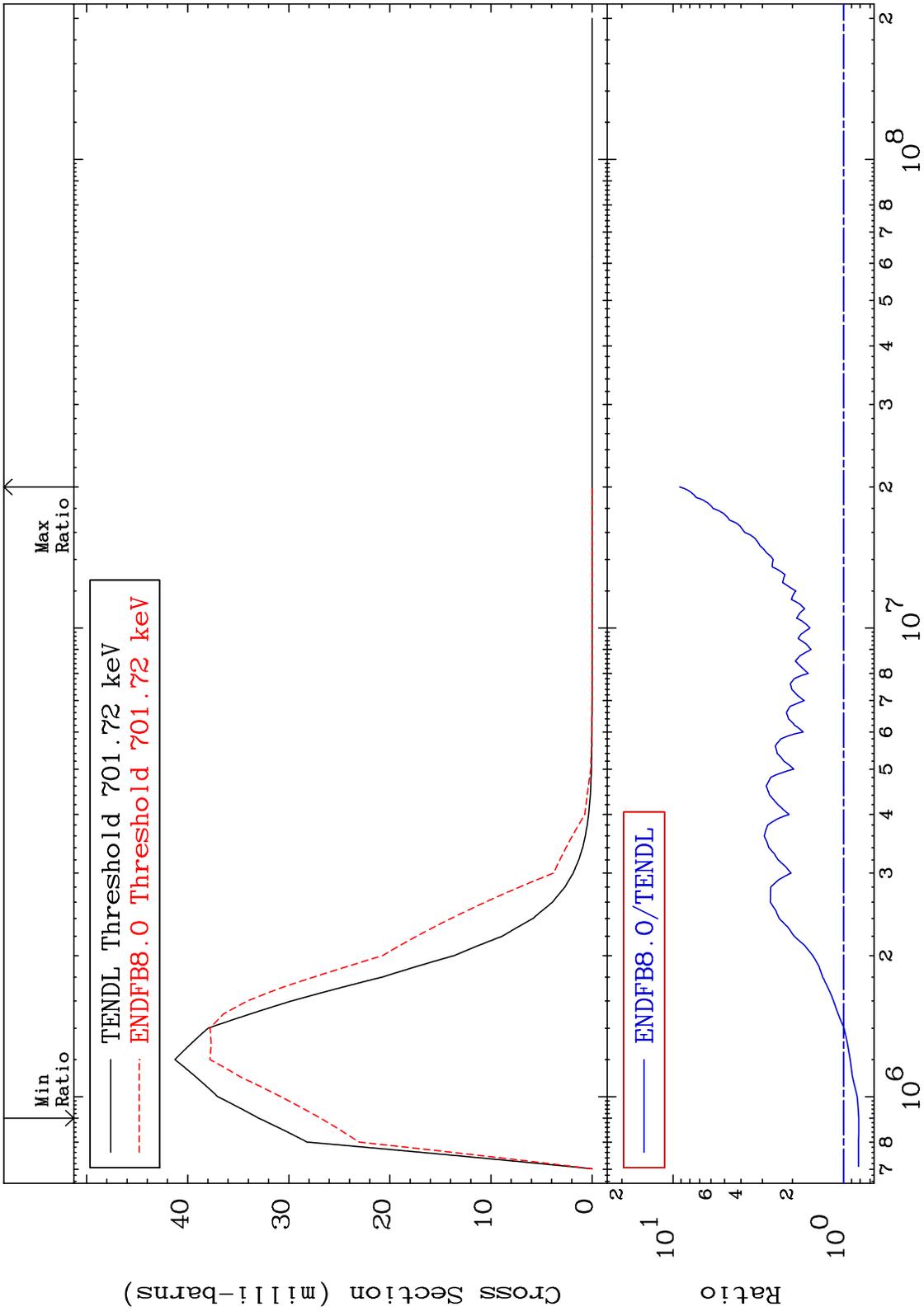


MAT 6240 MT= 61 (n,n') Level Cross Section 62-Sm-149 -37.55 To -13.14%

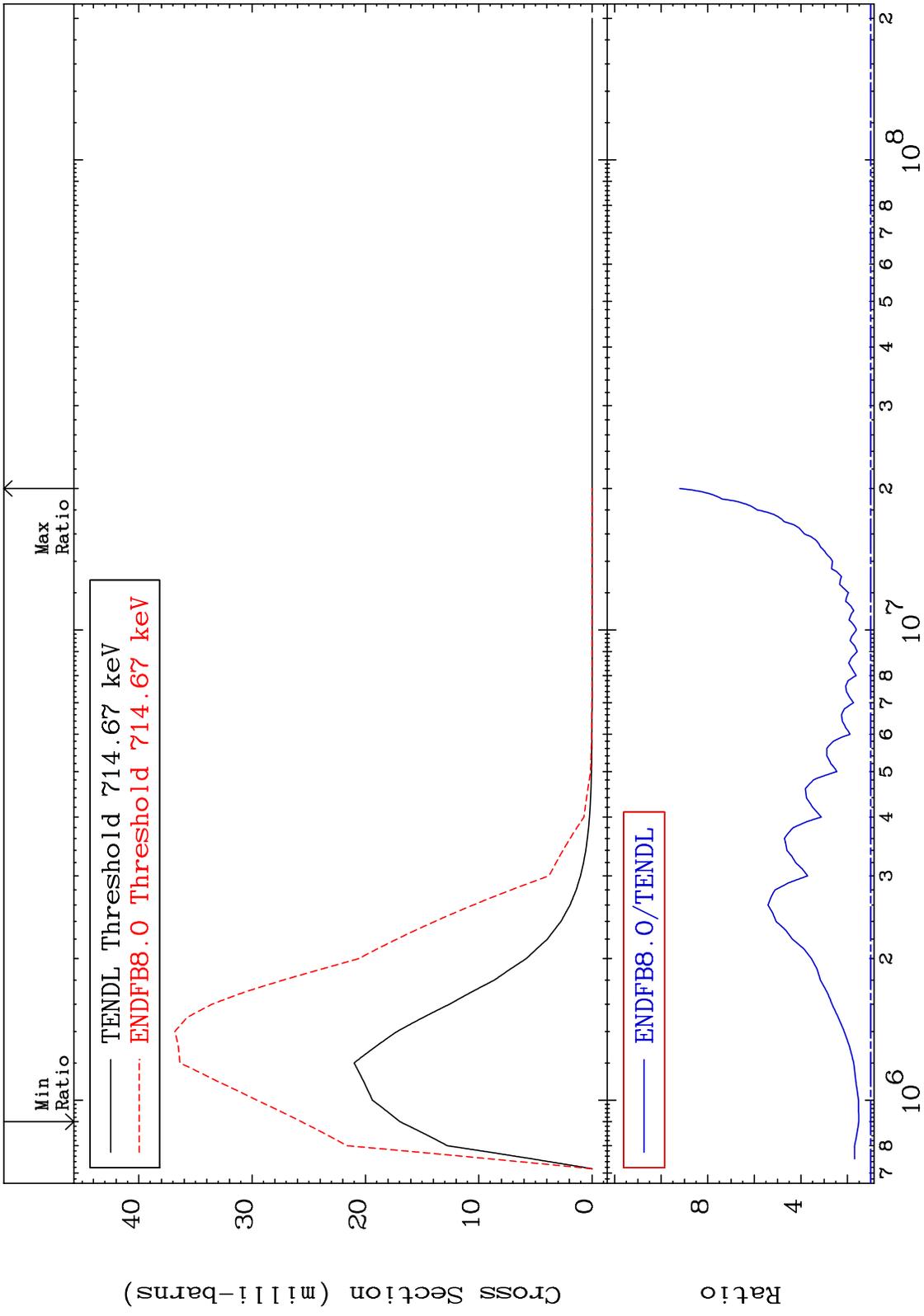


20 Incident Energy (eV) 62-Sm-149

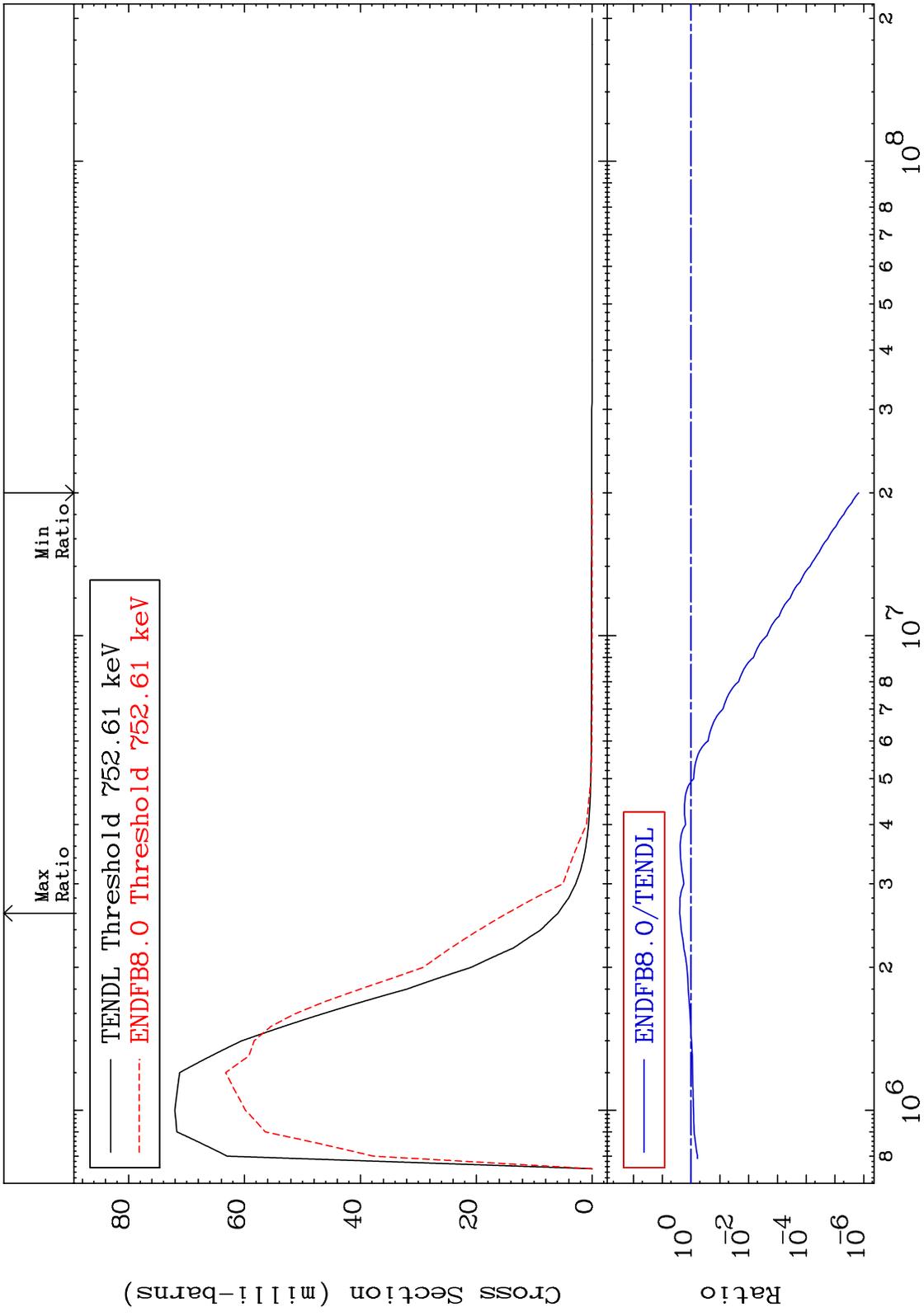
MAT 6240 MT= 62 (n,n') Level Cross Section 62-Sm-149
 -18.52 To 815.5 %



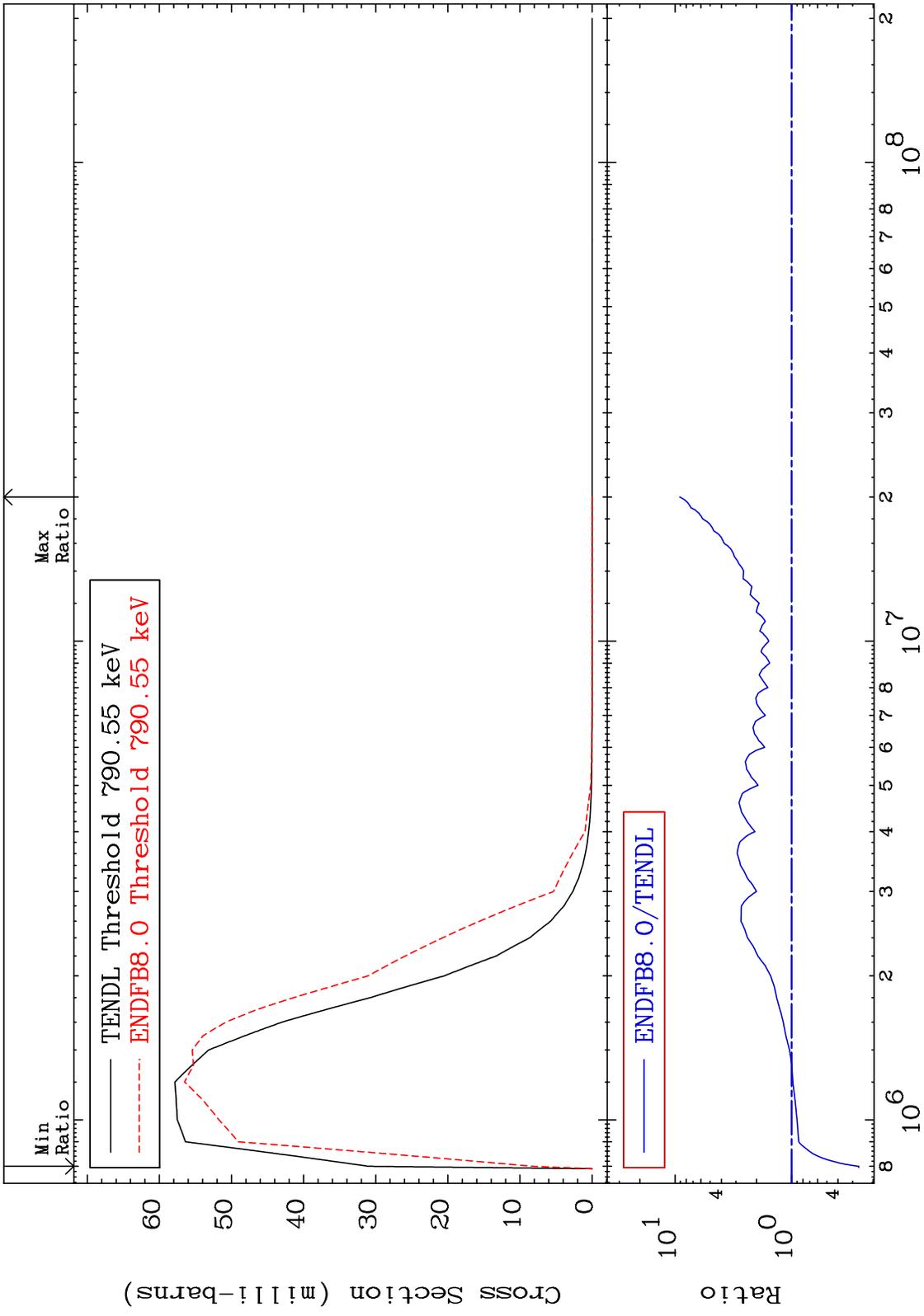
MAT 6240 MT= 63 (n,n') Level Cross Section 62-Sm-149 51.25 To 820.2 %



MAT 6240 MT= 64 (n,n') Level Cross Section 62-Sm-149 -100.0 To 148.2 %

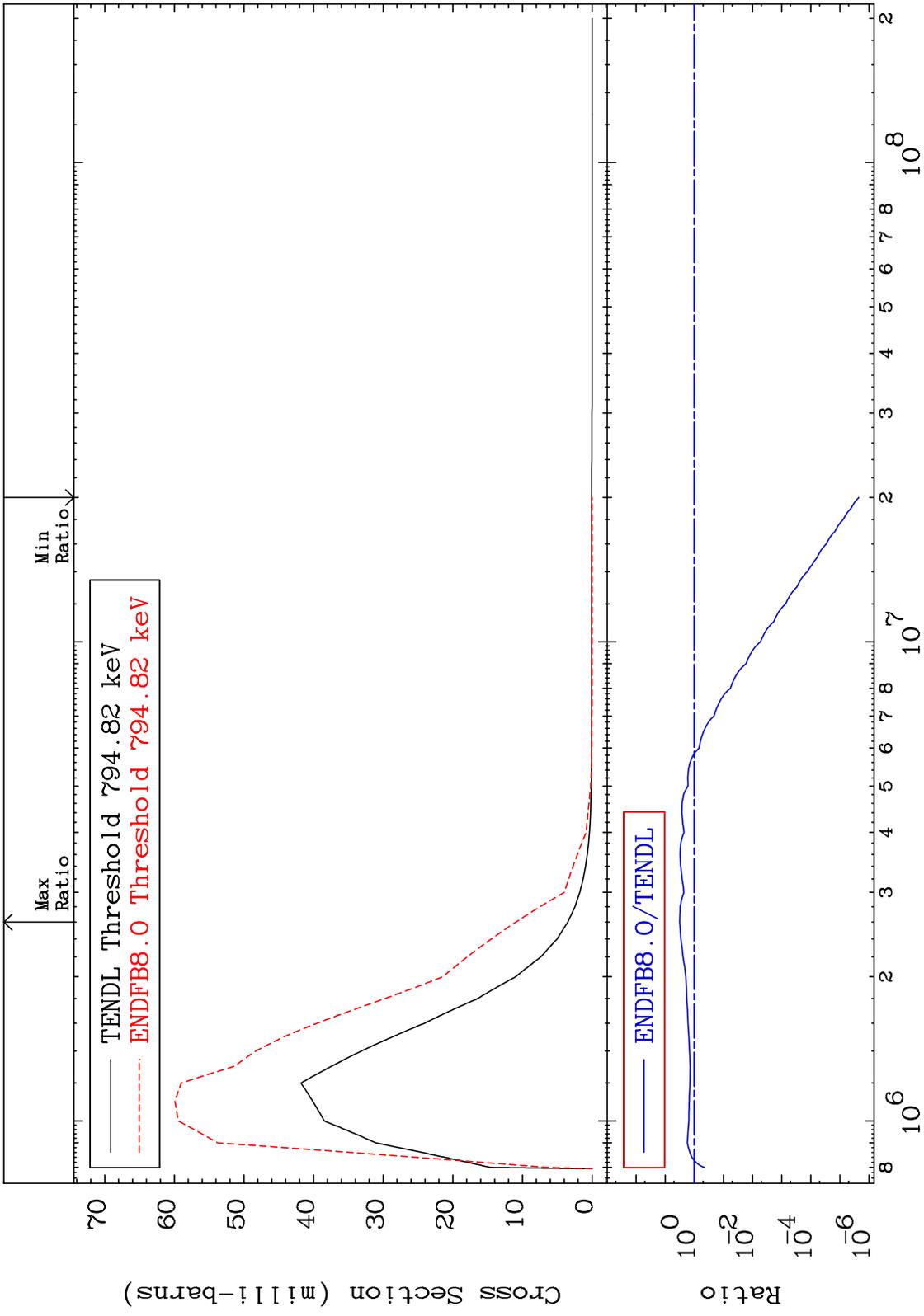


MAT 6240 MT= 65 (n,n') Level Cross Section 62-Sm-149
 -73.45 To 810.5 %

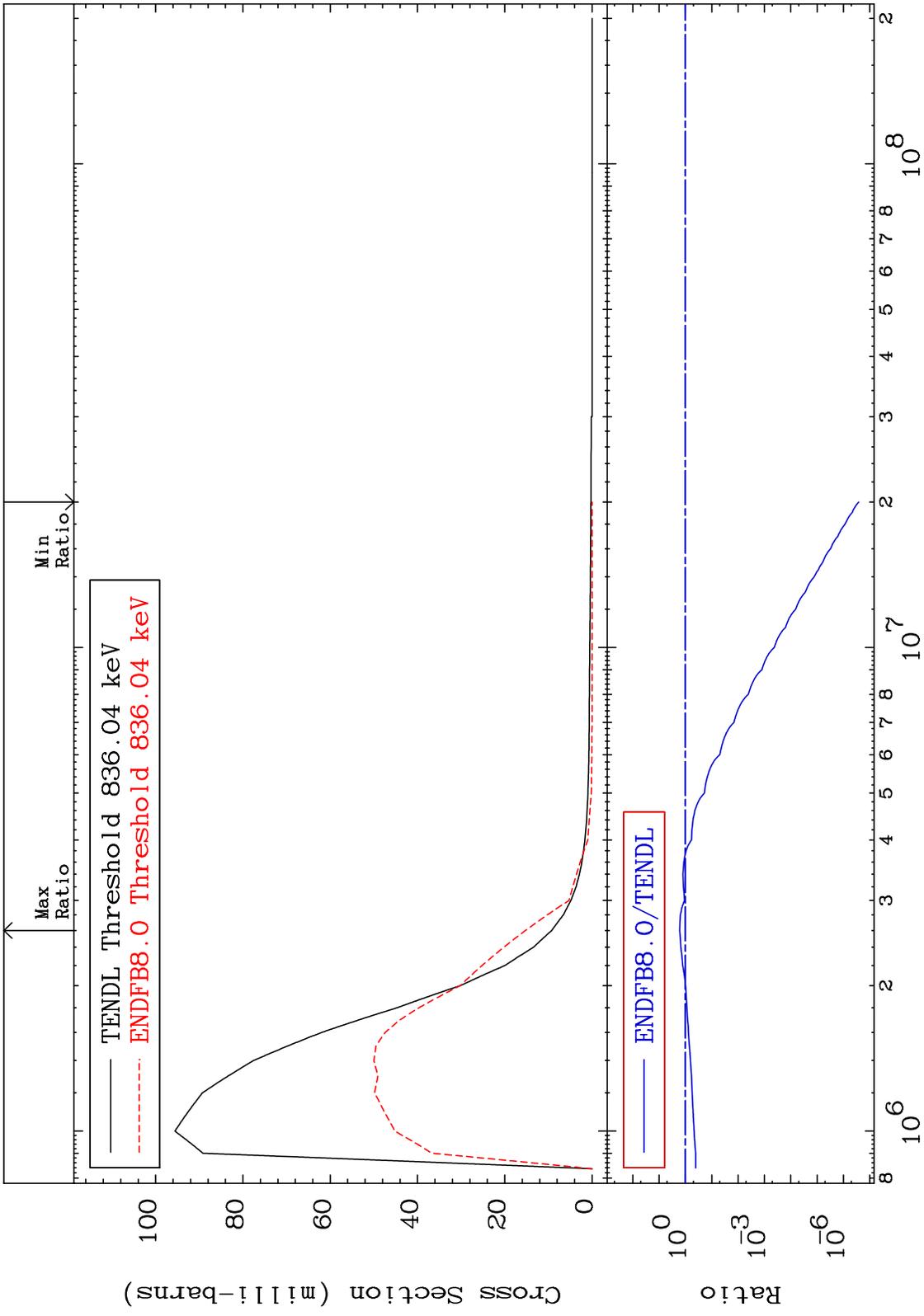


24 Incident Energy (eV) 62-Sm-149

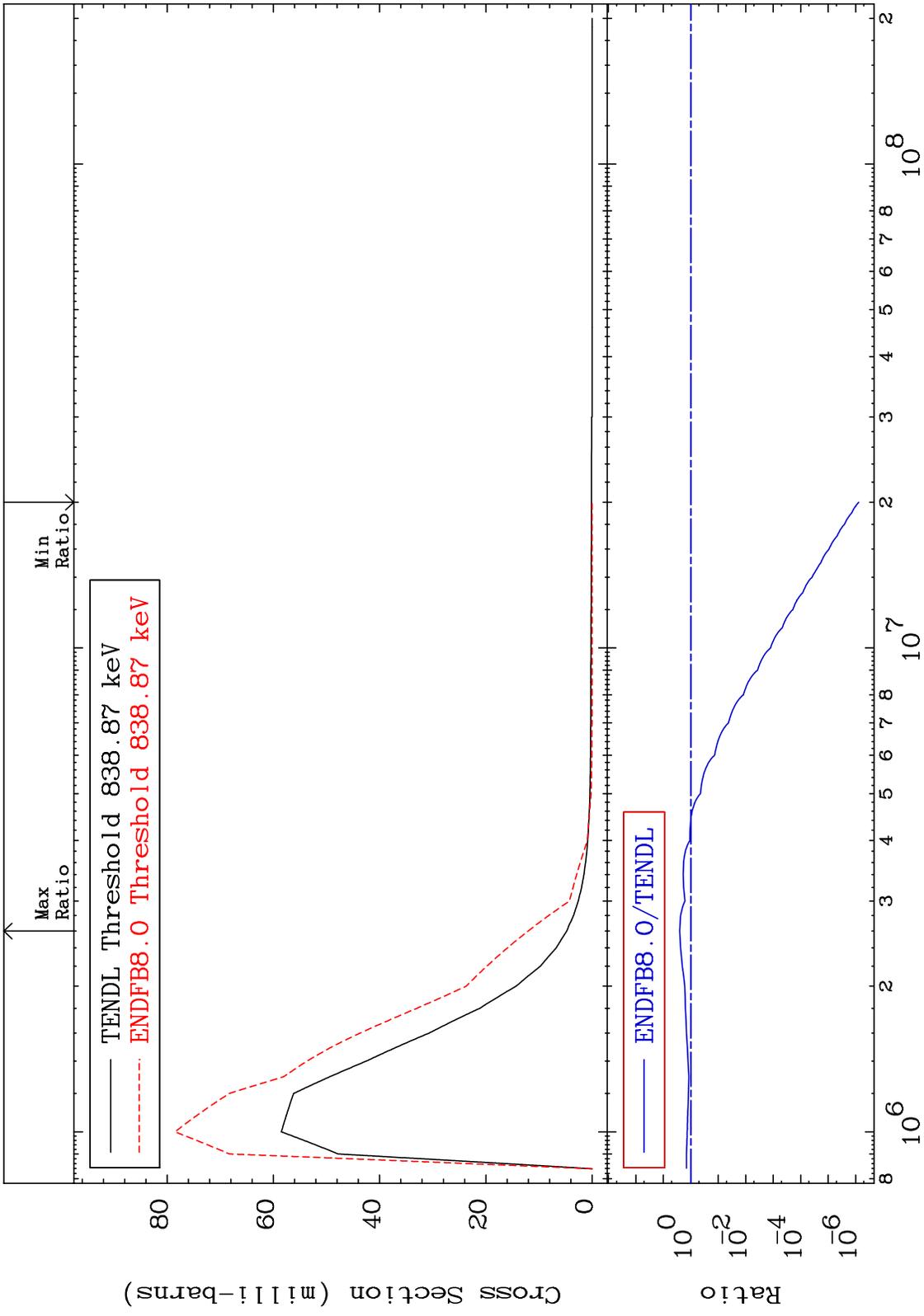
MAT 6240 MT= 66 (n,n') Level Cross Section 62-Sm-149 -100.0 To 215.4 %



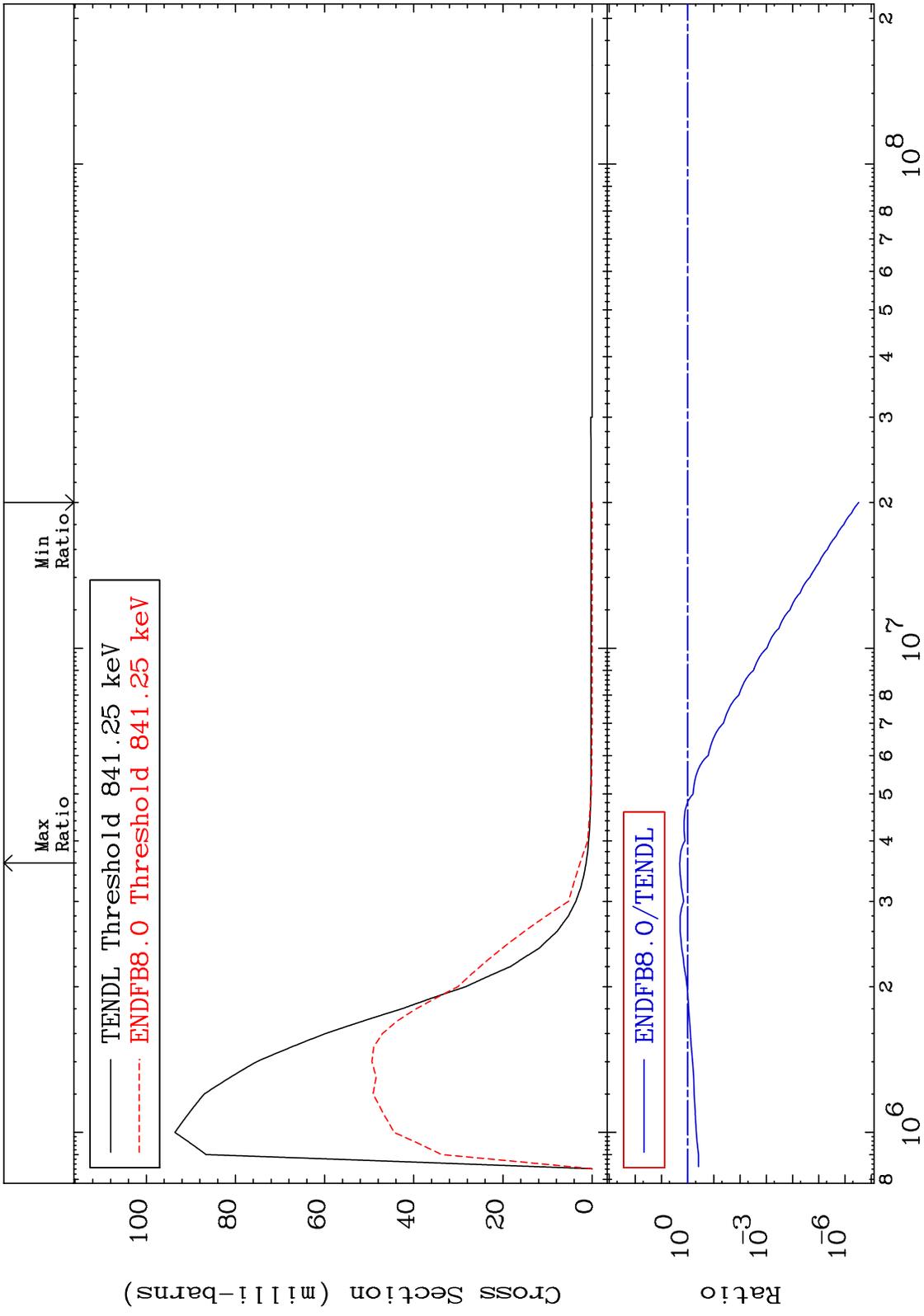
MAT 6240 MT= 67 (n,n') Level Cross Section 62-Sm-149 -100.0 To 64.82 %



MAT 6240 MT= 68 (n,n') Level Cross Section 62-Sm-149 -100.0 To 151.3 %

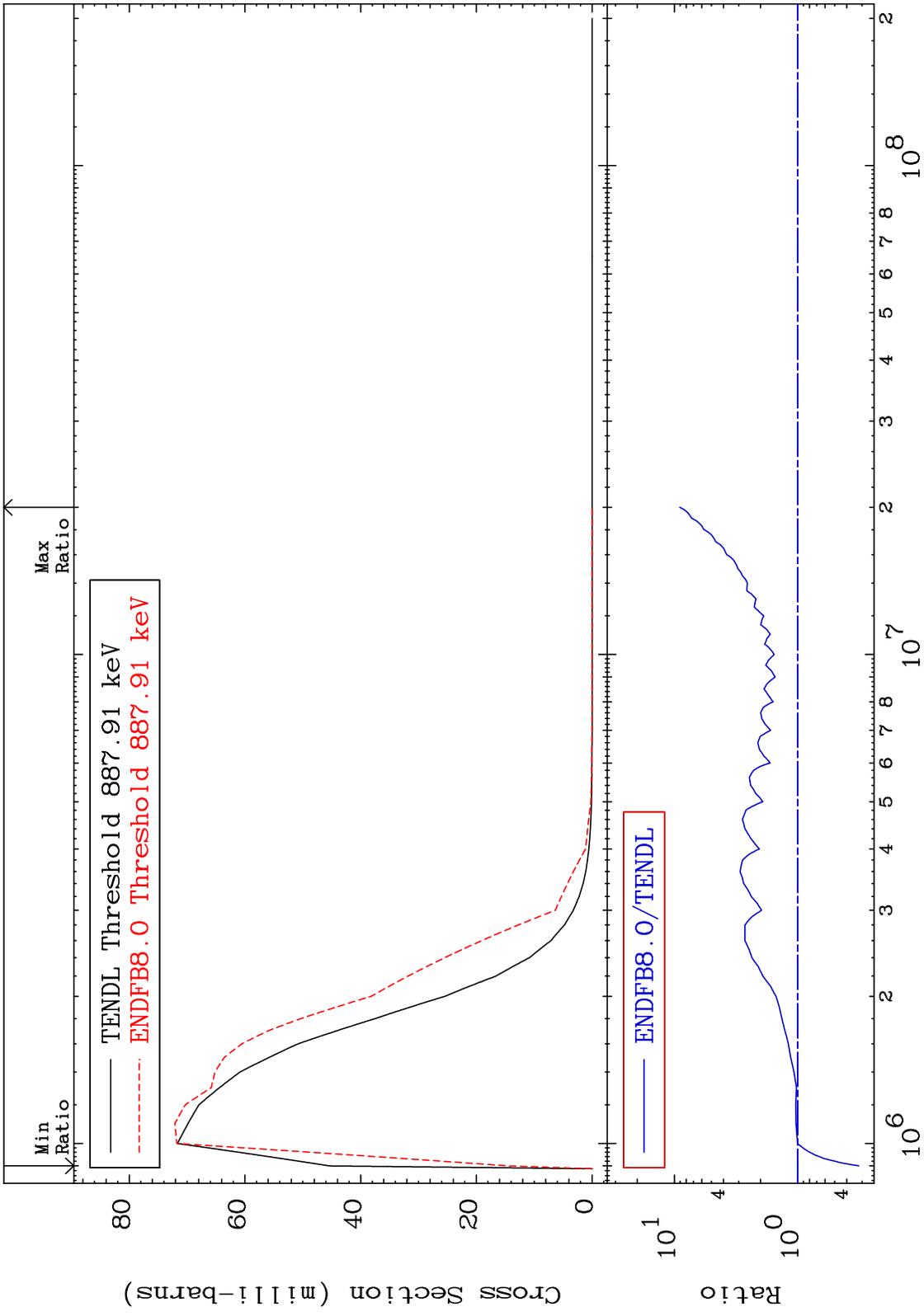


MAT 6240 MT= 69 (n,n') Level Cross Section 62-Sm-149 -100.0 To 101.6 %



28 62-Sm-149 Incident Energy (eV)

MAT 6240 MT= 71 (n,n') Level Cross Section 62-Sm-149
 -68.11 To 804.4 %

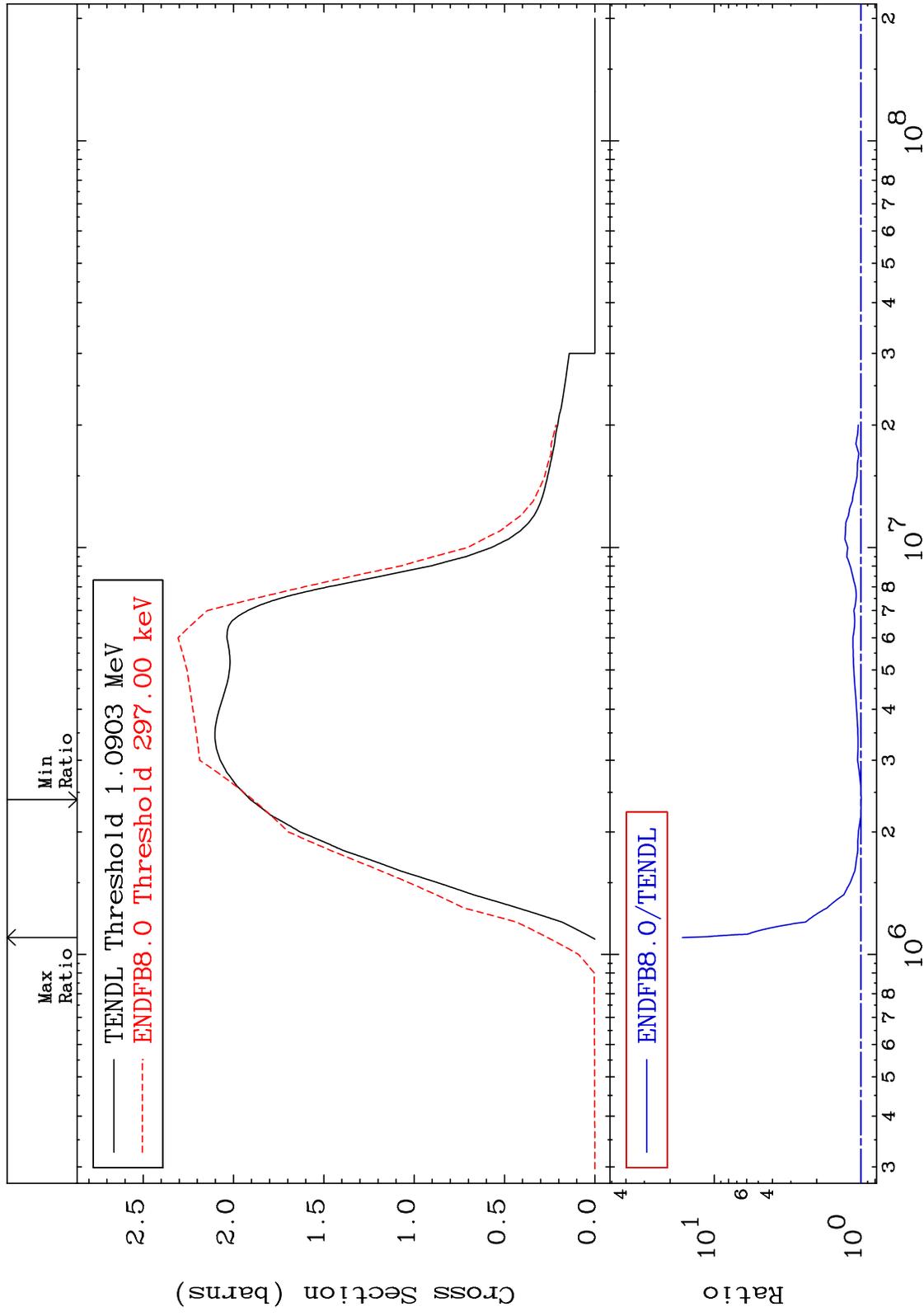


30 10⁶ 2 3 4 5 6 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 62-Sm-149

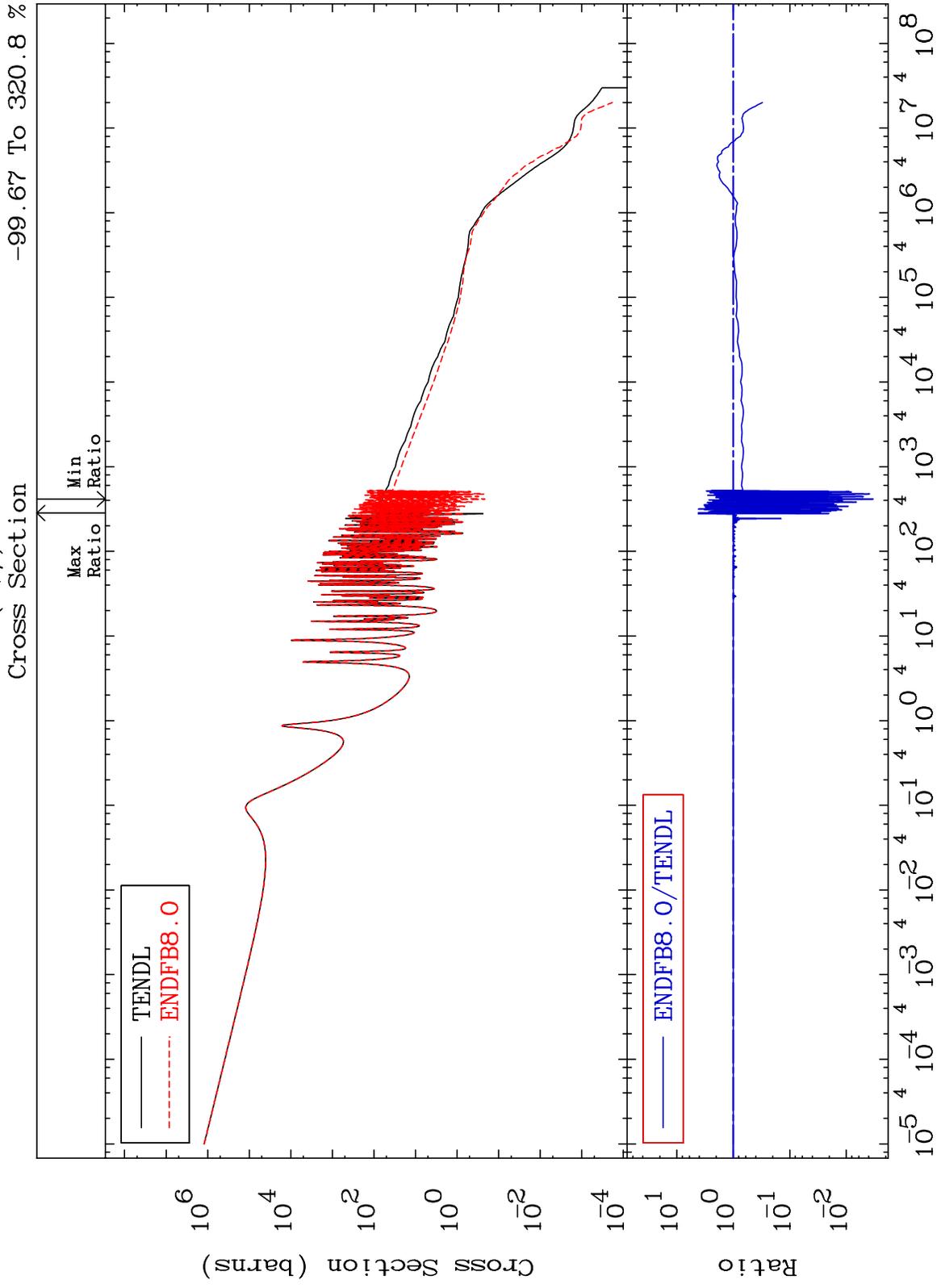
MAT 6240

(n,n') Continuum
Cross Section

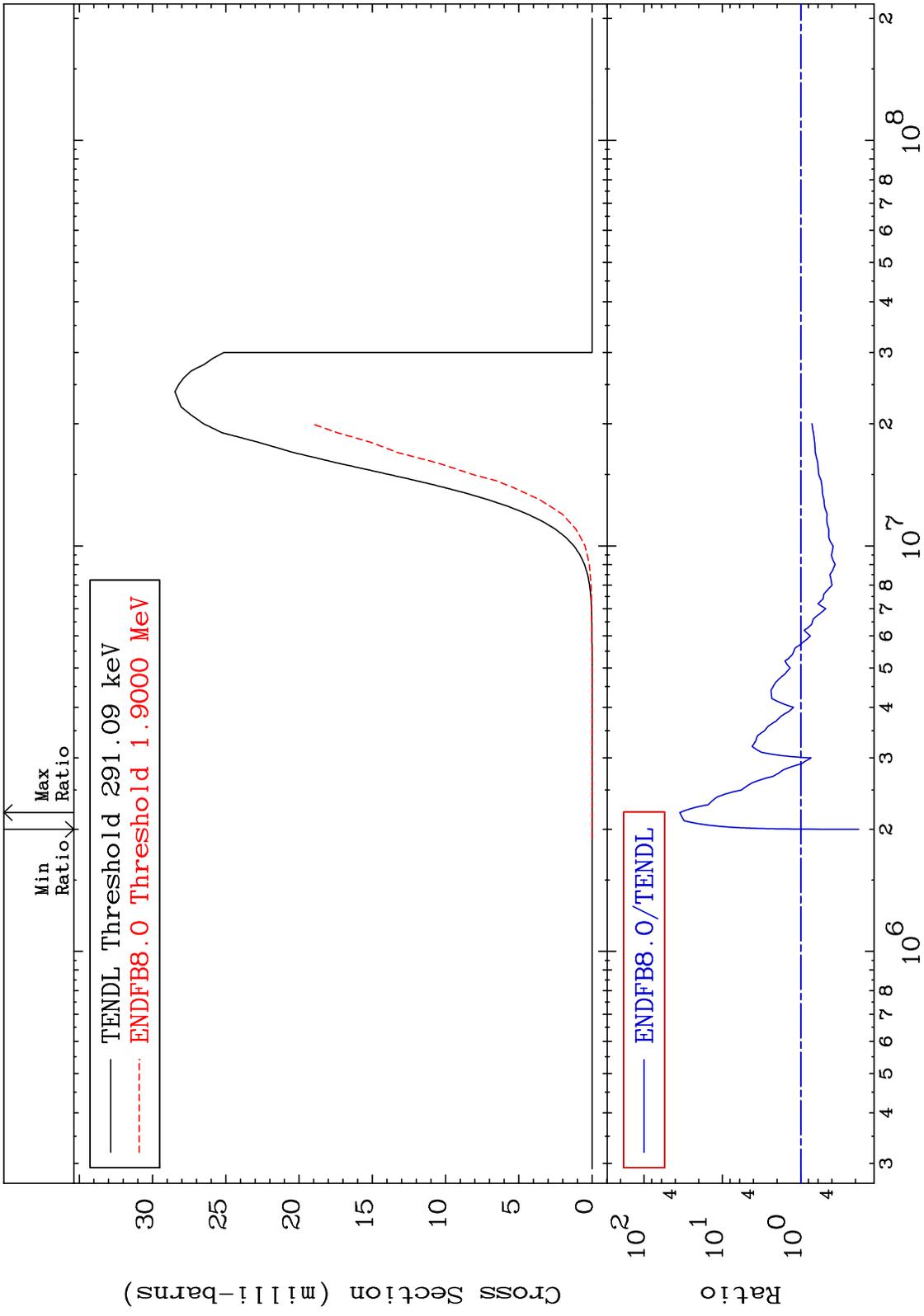
62-Sm-149
-0.696 To 1547. %

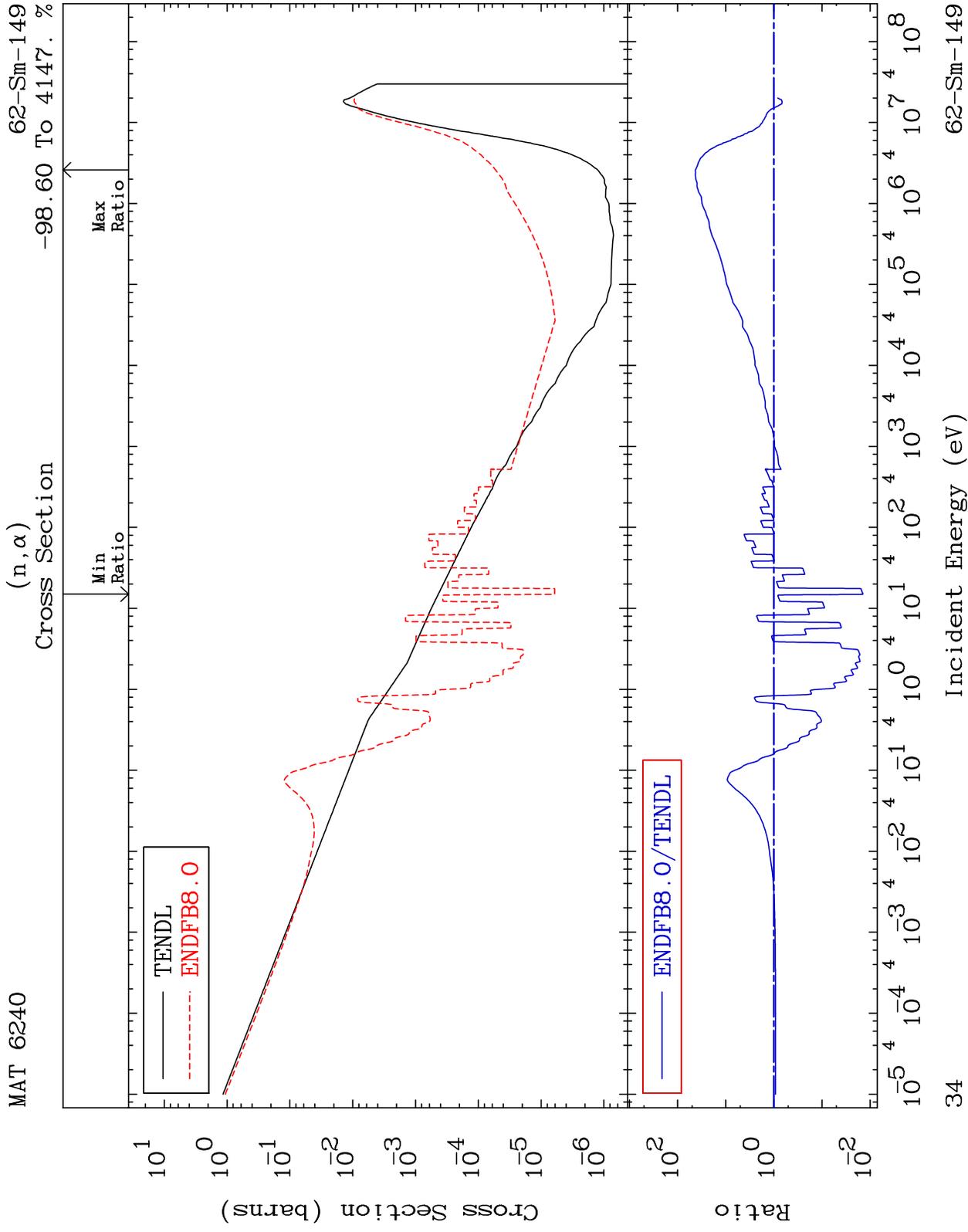


MAT 6240 (n, γ) 62-Sm-149 -99.67 To 320.8 %



32 62-Sm-149

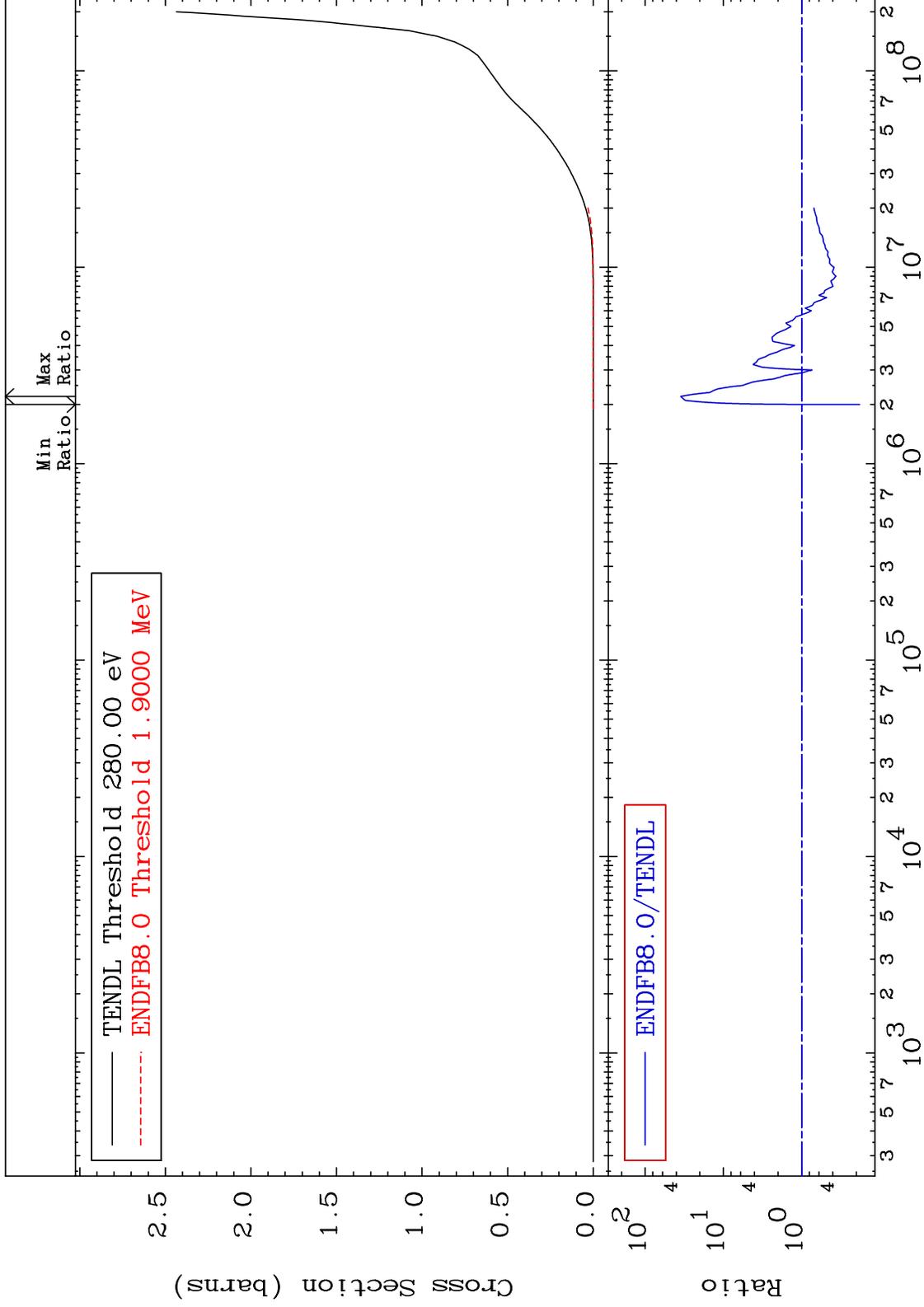




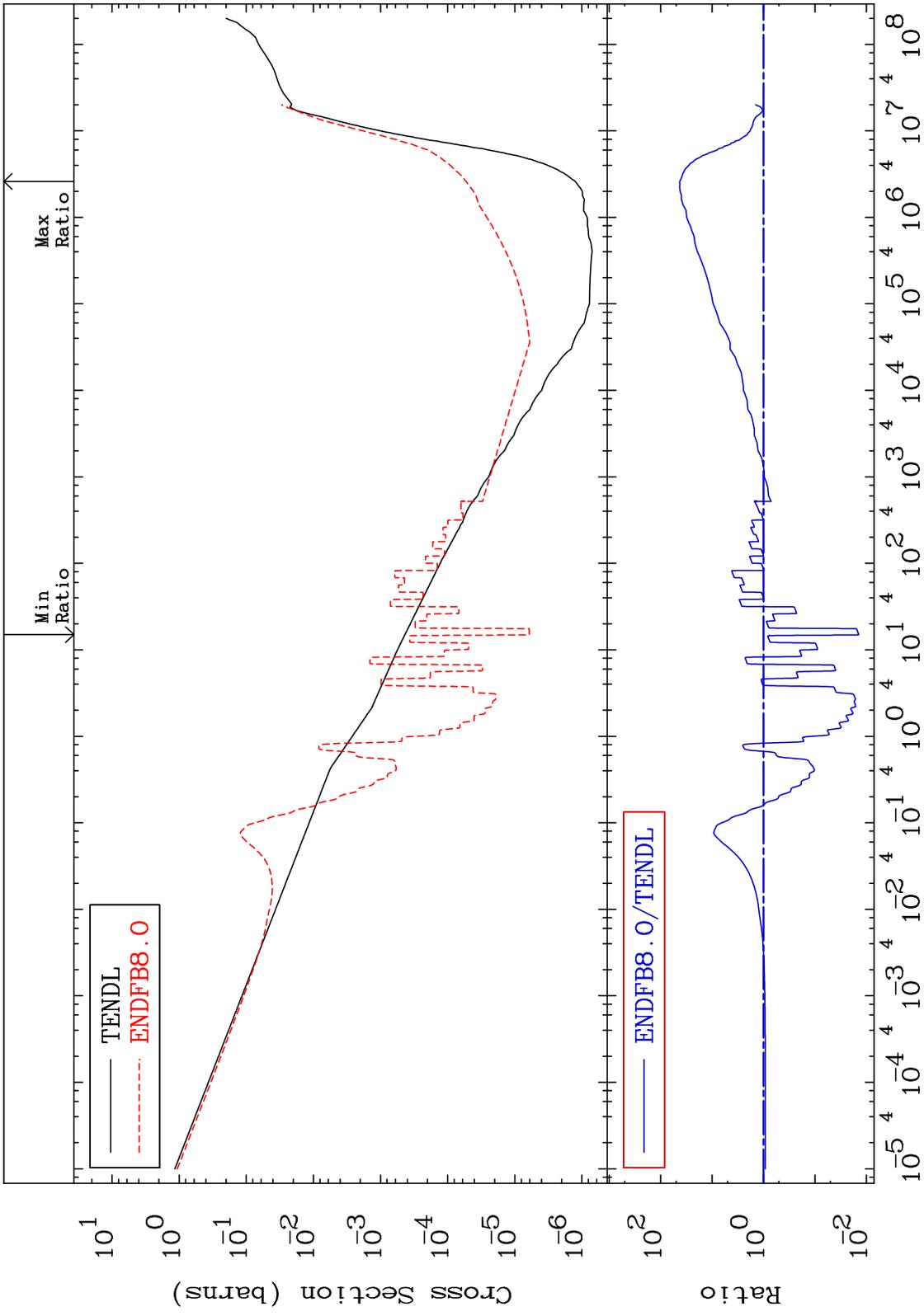
MAT 6240

Hydrogen Production
Cross Section

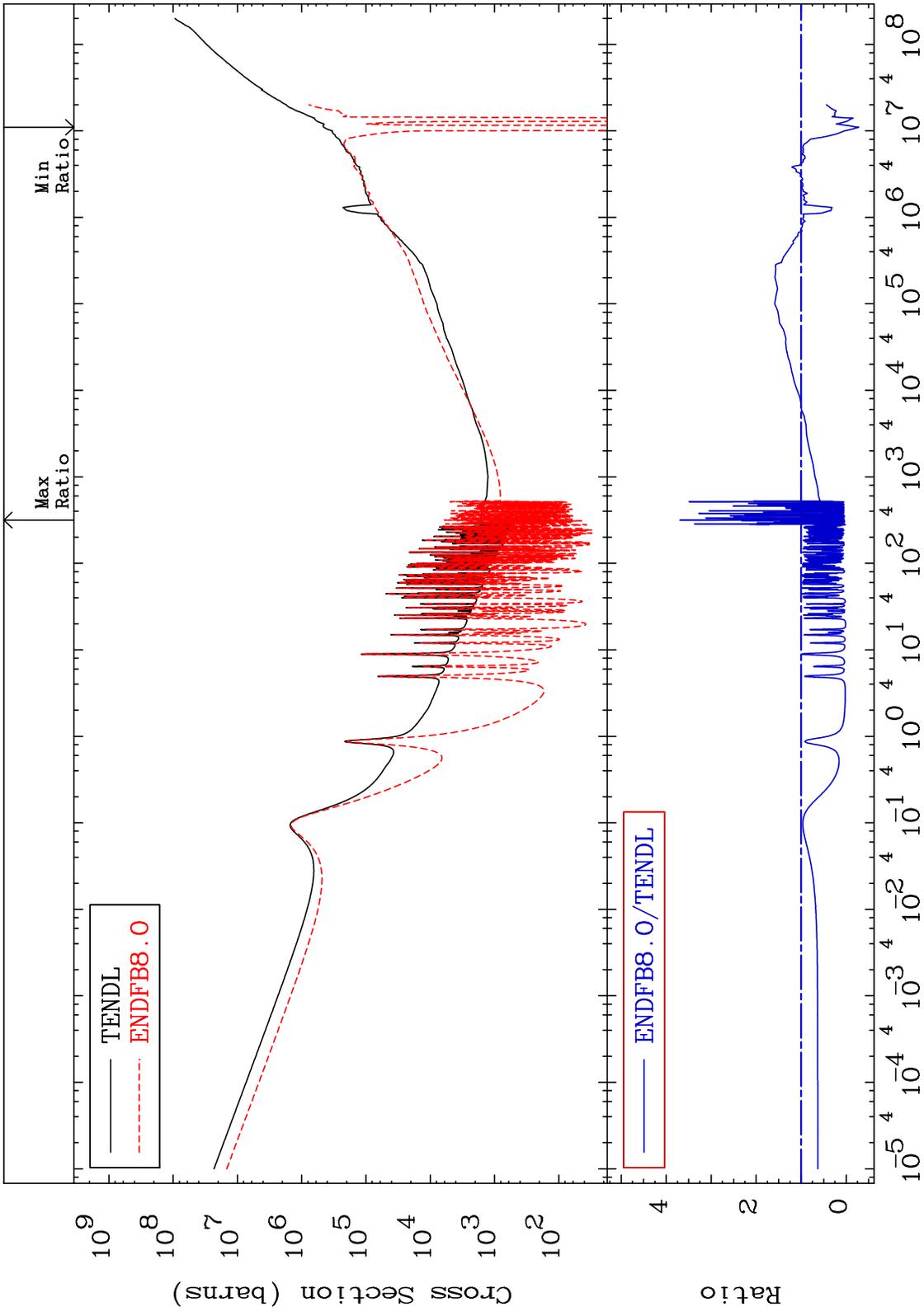
62-Sm-149
-81.87 To 3402. %



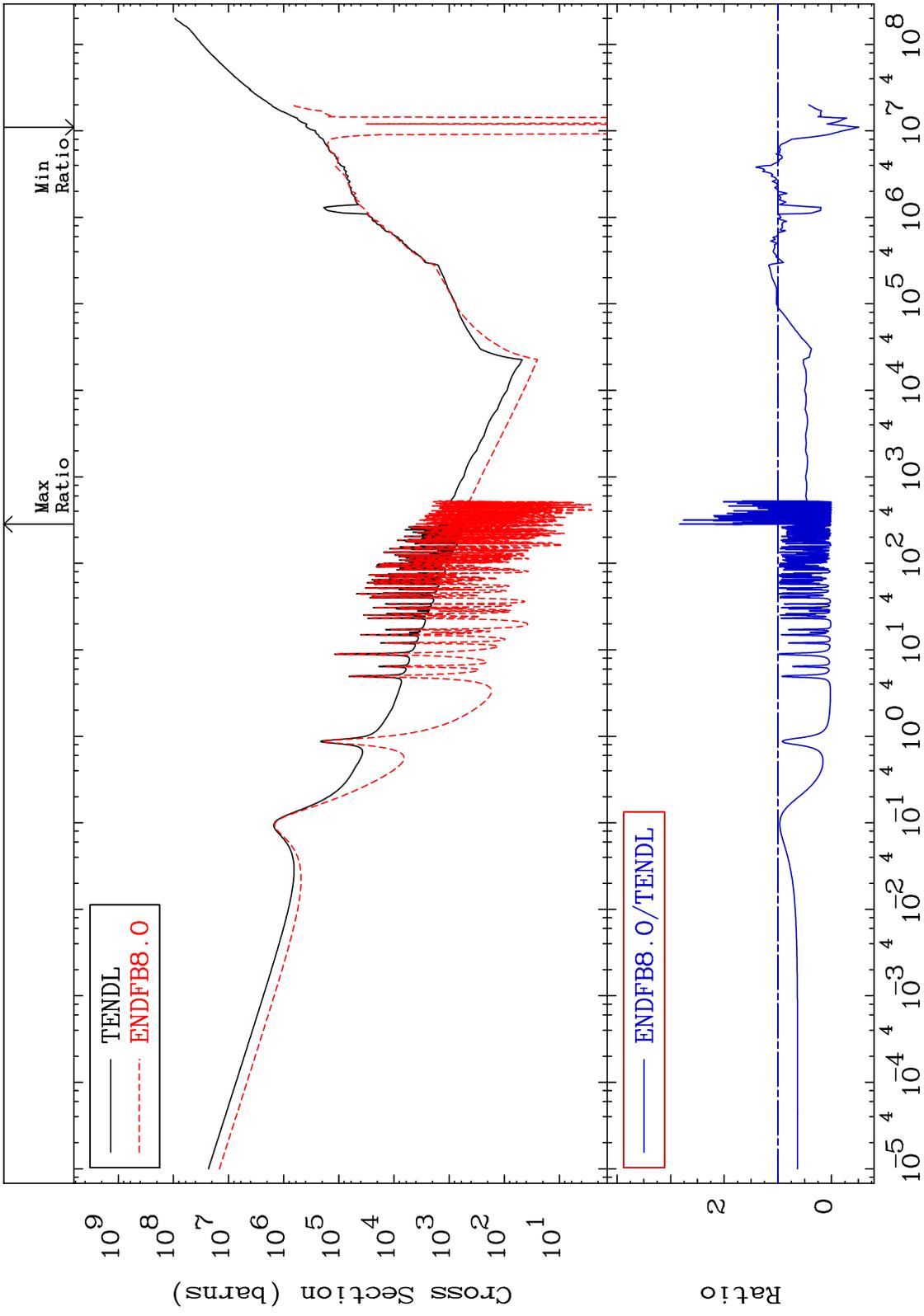
MAT 6240 He-4 Production Cross Section 62-Sm-149 -98.60 To 4147. %



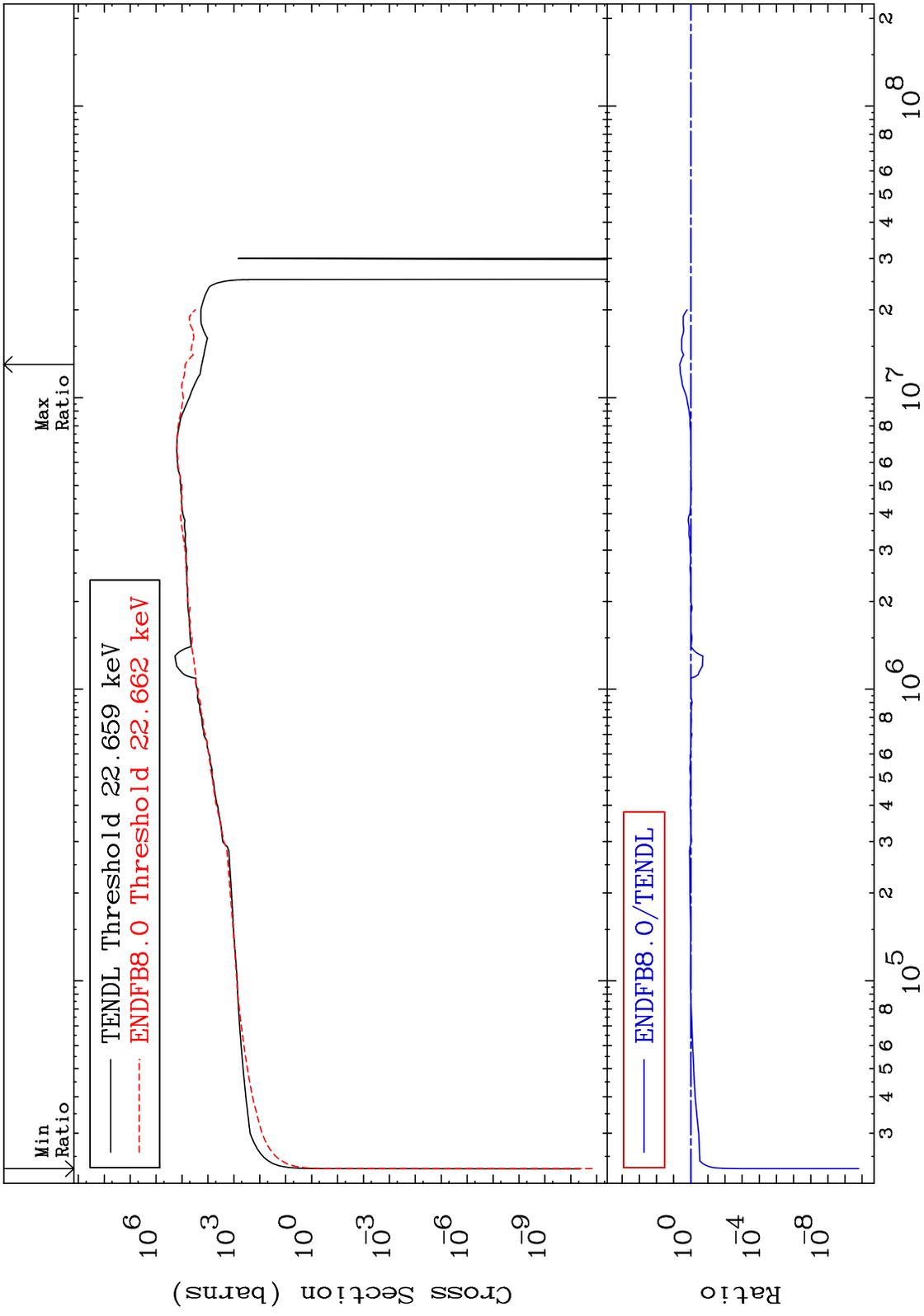
MAT 6240 Kerma total (eV-barns) Cross Section 62-Sm-149
 -128.0 To 269.8 %



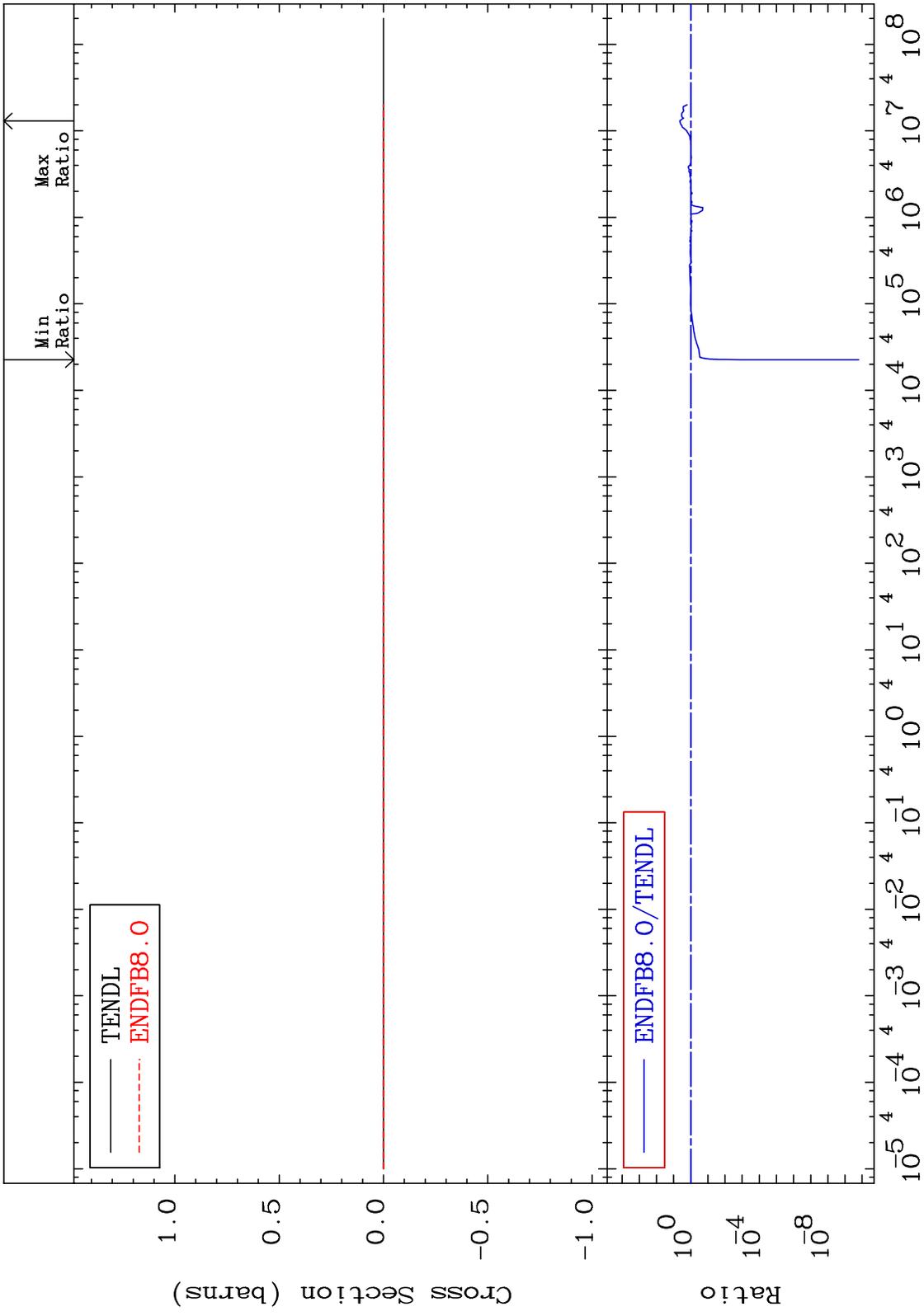
MAT 6240 Kerma non-elastic (all but mt2) 62-Sm-149
 Cross Section -151.0 To 182.9 %



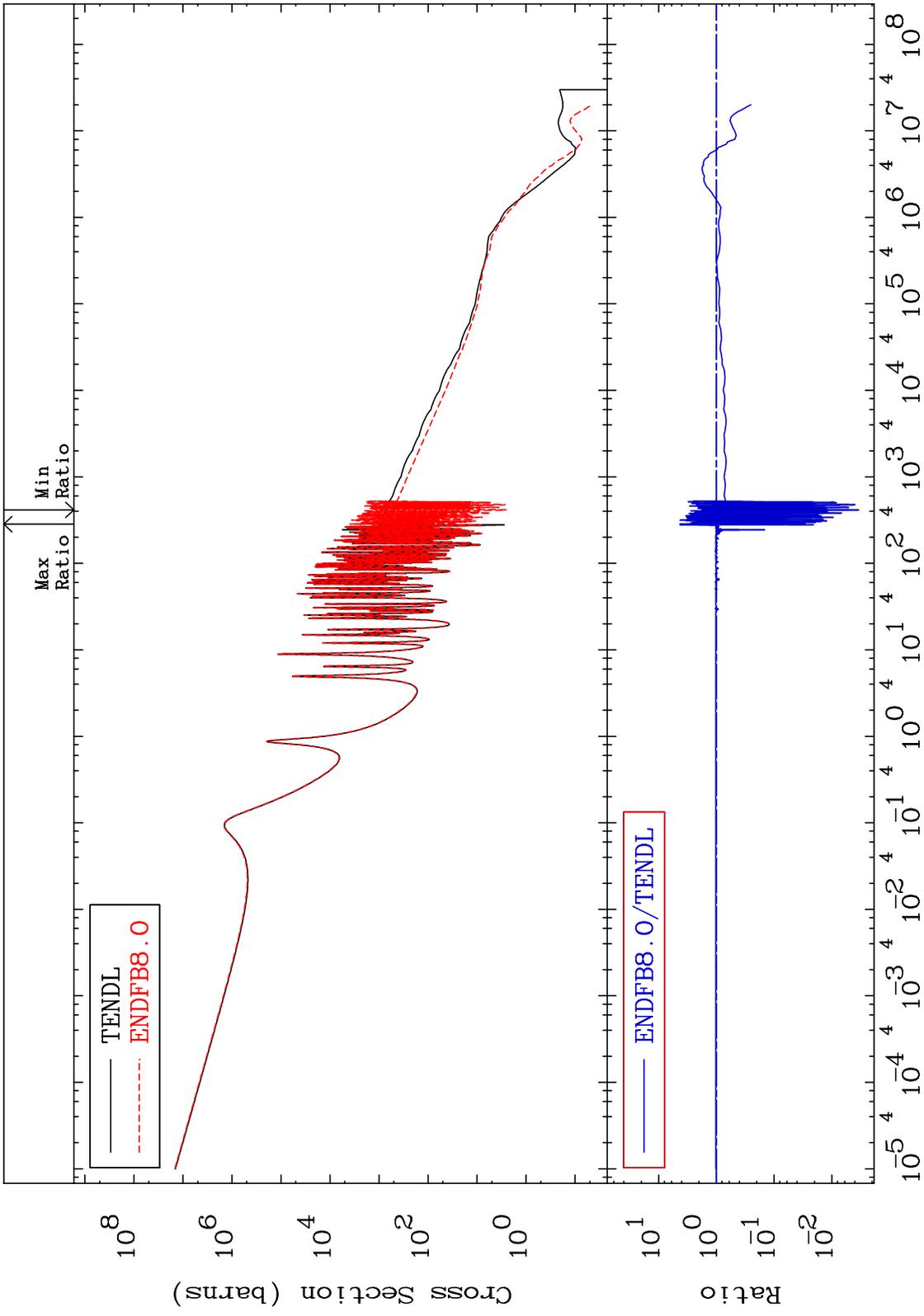
MAT 6240 Kerma inelastic (mt51-91) 62-Sm-149
 Cross Section -100.0 To 337.6 %



MAT 6240 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-149
 Cross Section -100.0 To 337.6 %

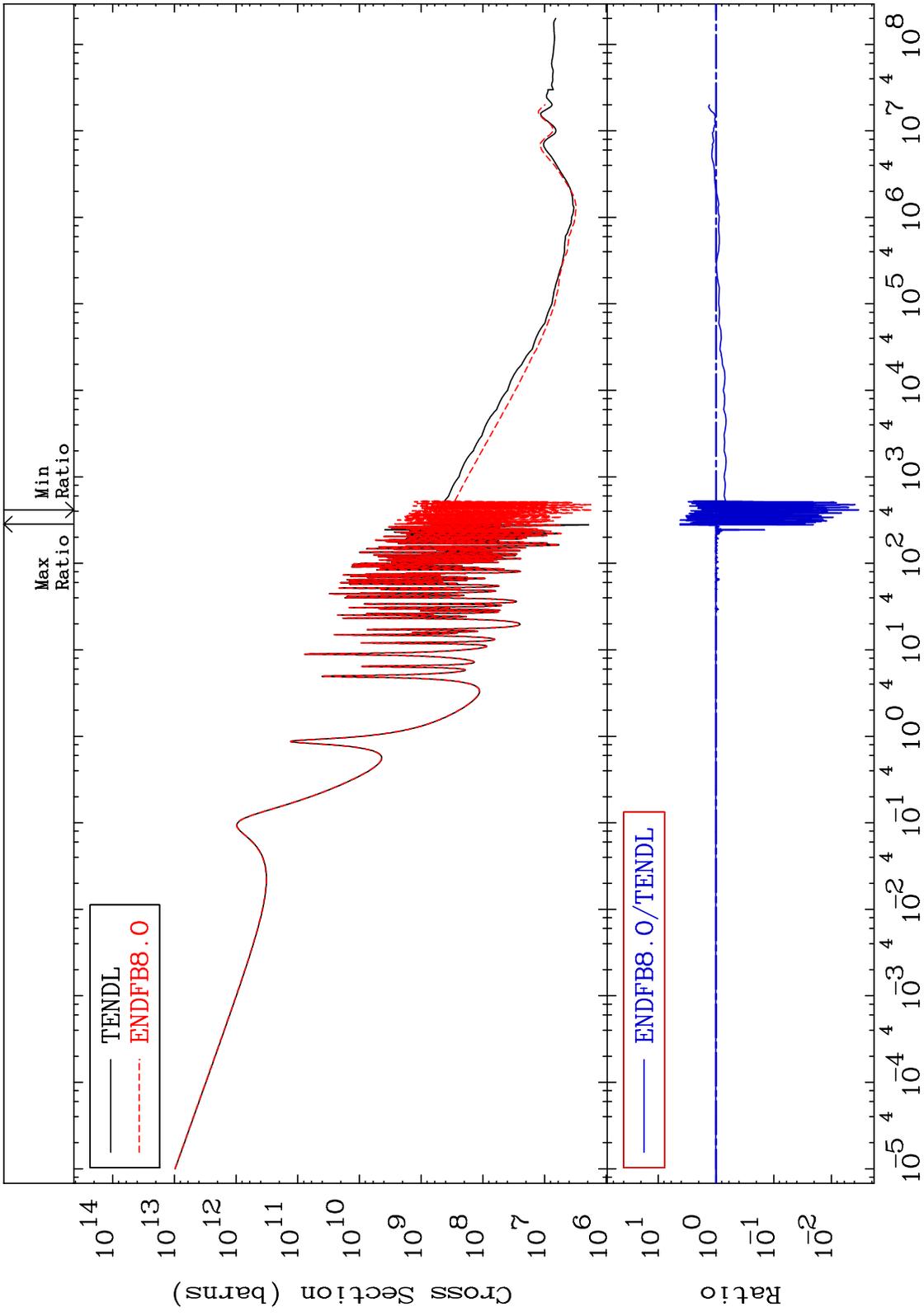


MAT 6240 Kerma capture (mt102) 62-Sm-149
Cross Section -99.66 To 331.4 %

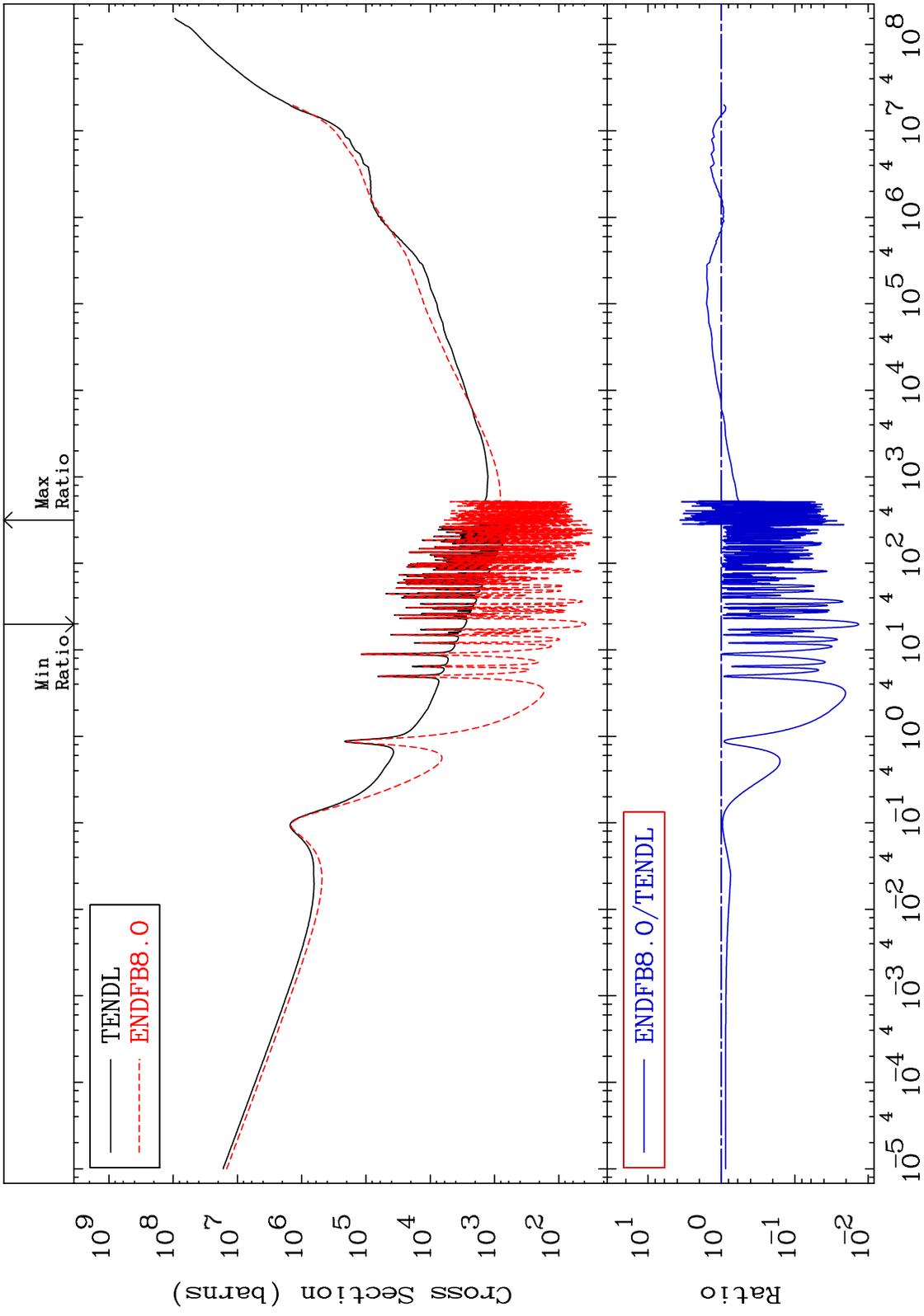


42 62-Sm-149

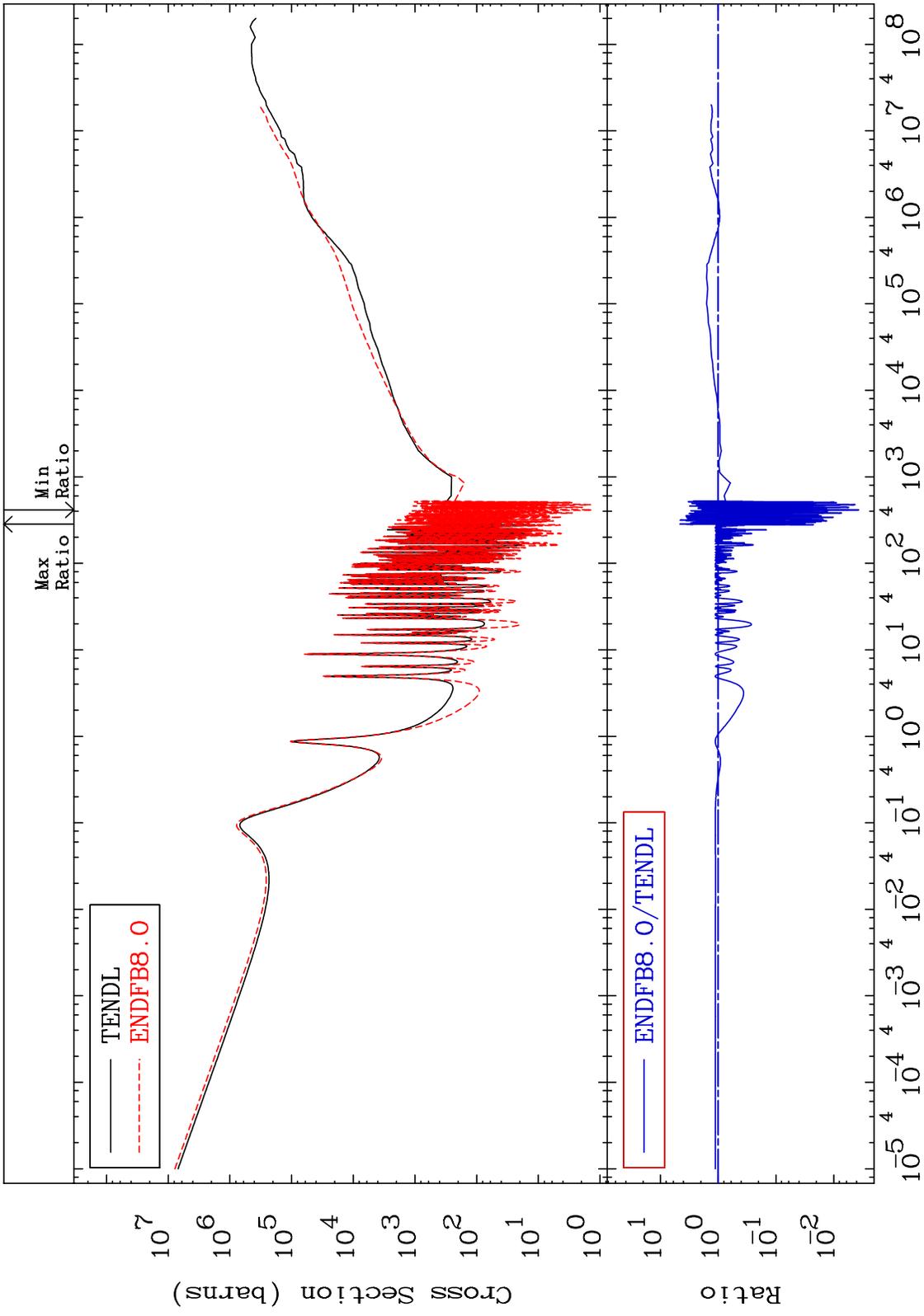
MAT 6240 Total photon (eV-barns) Cross Section 62-Sm-149 -99.66 To 324.9 %



MAT 6240 Total kinematic kerma (high limit) 62-Sm-149
 -98.66 To 269.2 %
 Cross Section

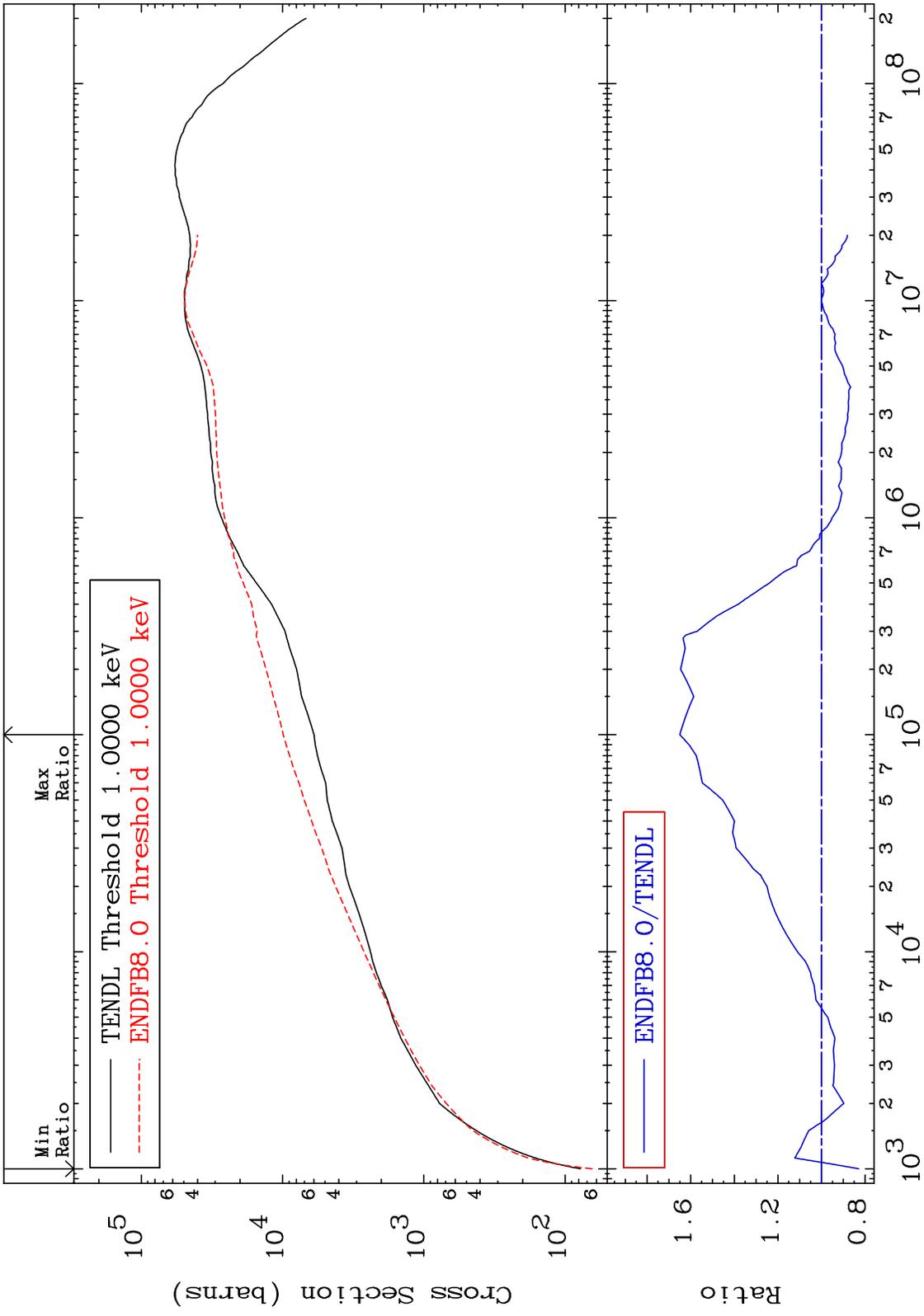


MAT 6240 Dpa total (eV-barns) 62-Sm-149
 -99.63 To 364.1 %
 Cross Section

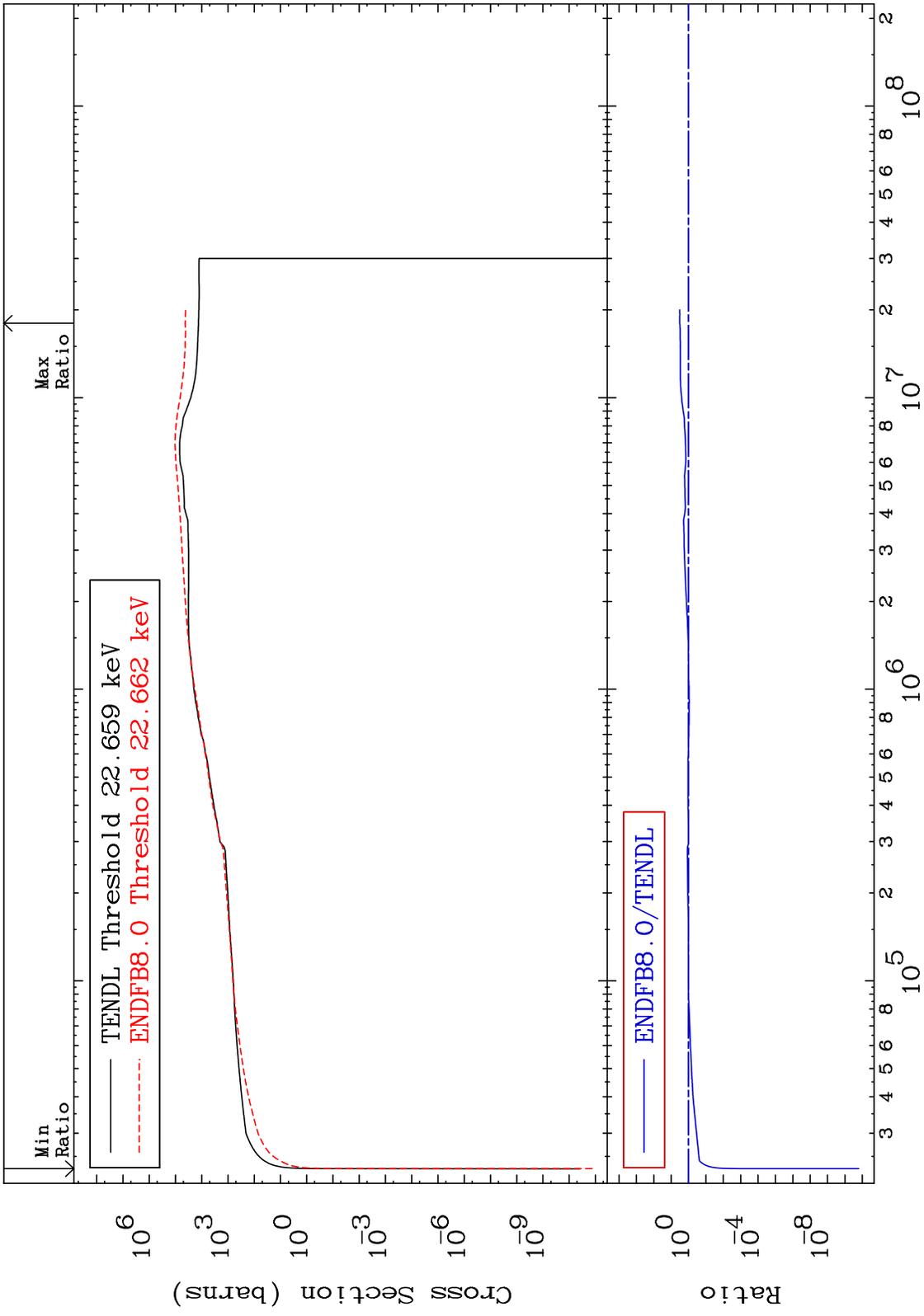


45 Incident Energy (eV) 62-Sm-149

MAT 6240 62-Sm-149
-17.11 To 65.03 %
 Dpa elastic (mt2)
 Cross Section



MAT 6240 Dpa inelastic (mt51-91) 62-Sm-149
 Cross Section -100.0 To 220.6 %



MAT 6240 Dpa disappearance (mt102 -120) 62-Sm-149
 Cross Section -99.63 To 964.0 %

