

Program Complot
(Version 2018-1)

by

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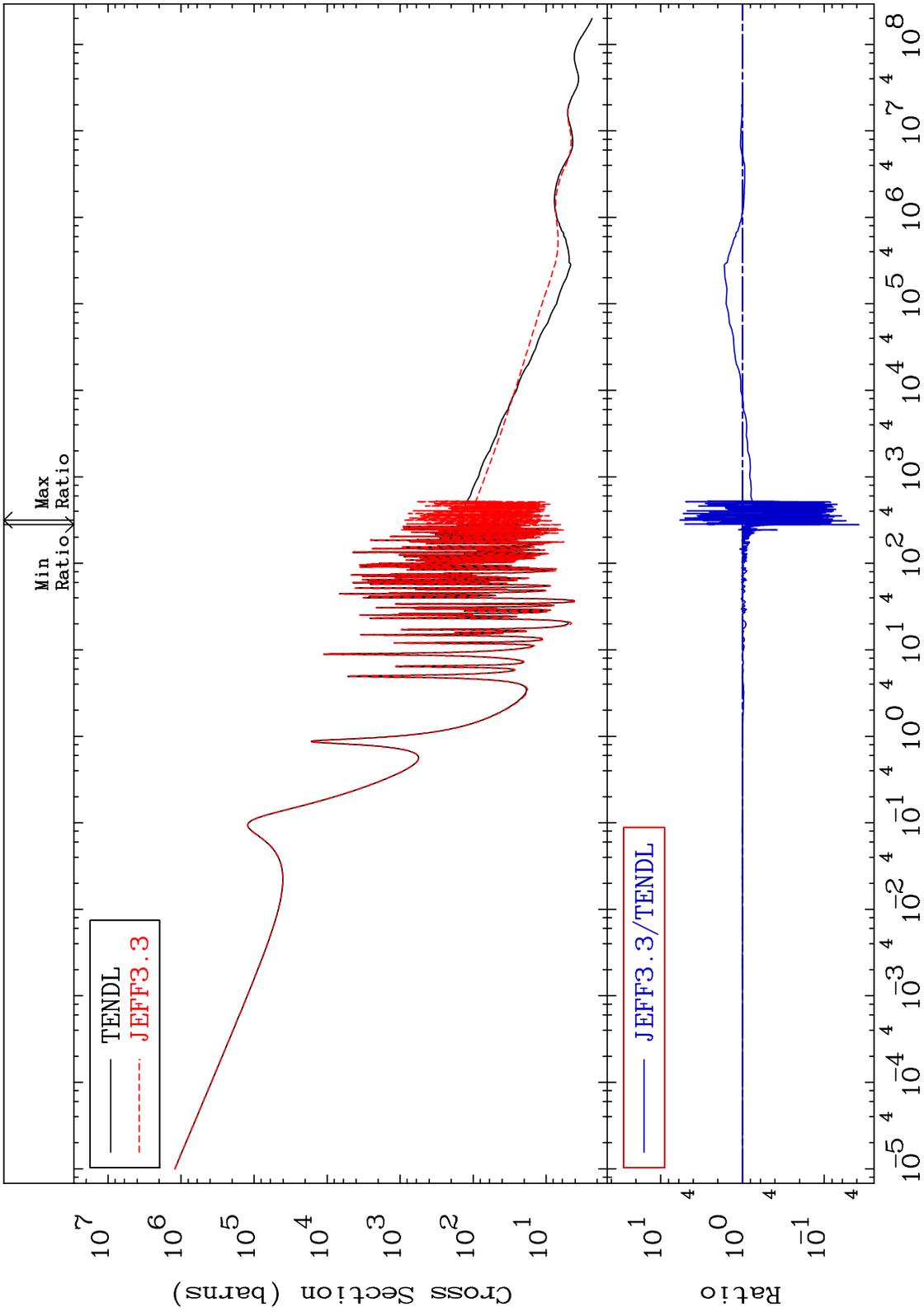
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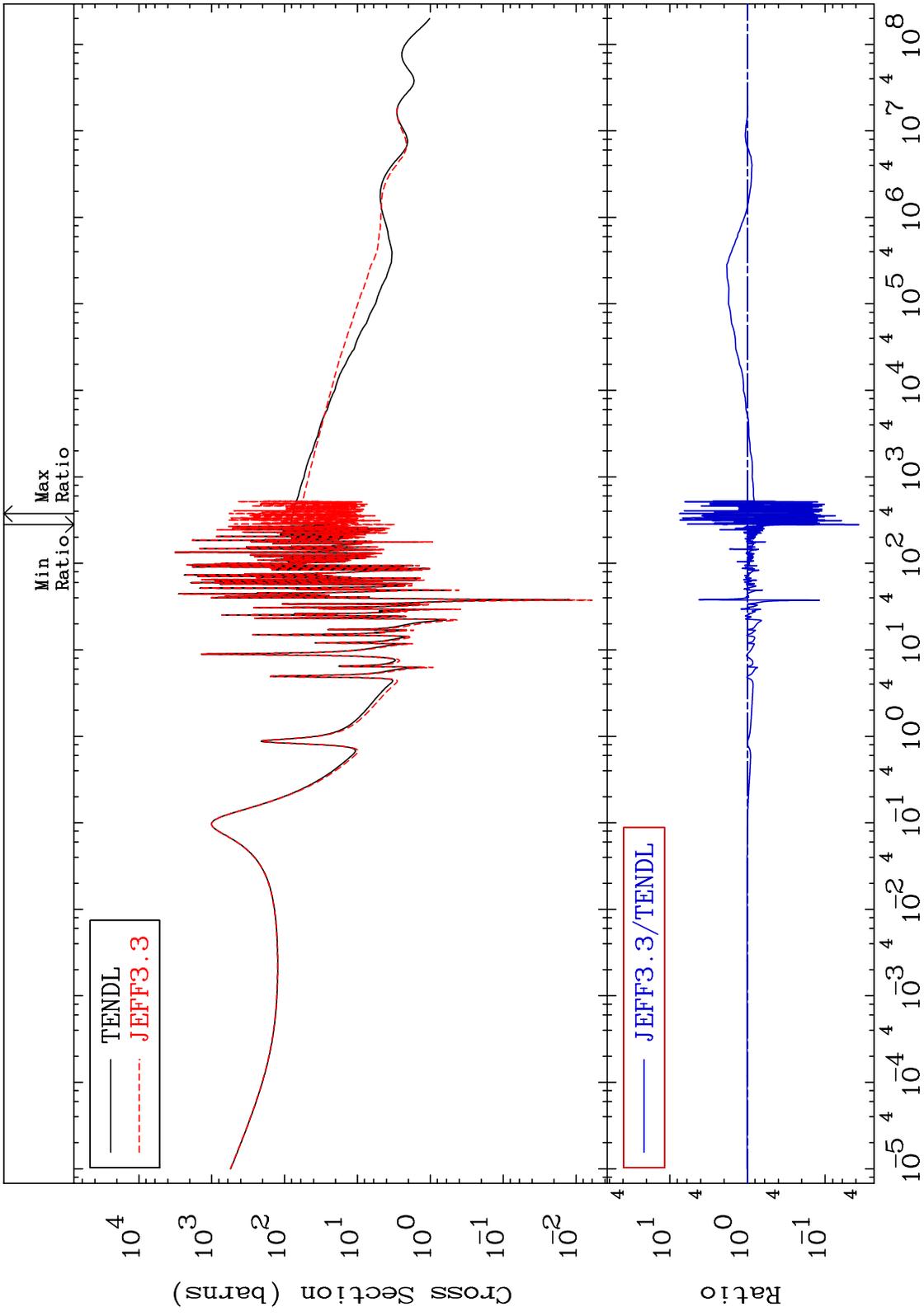
Press Mouse Button to Start

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



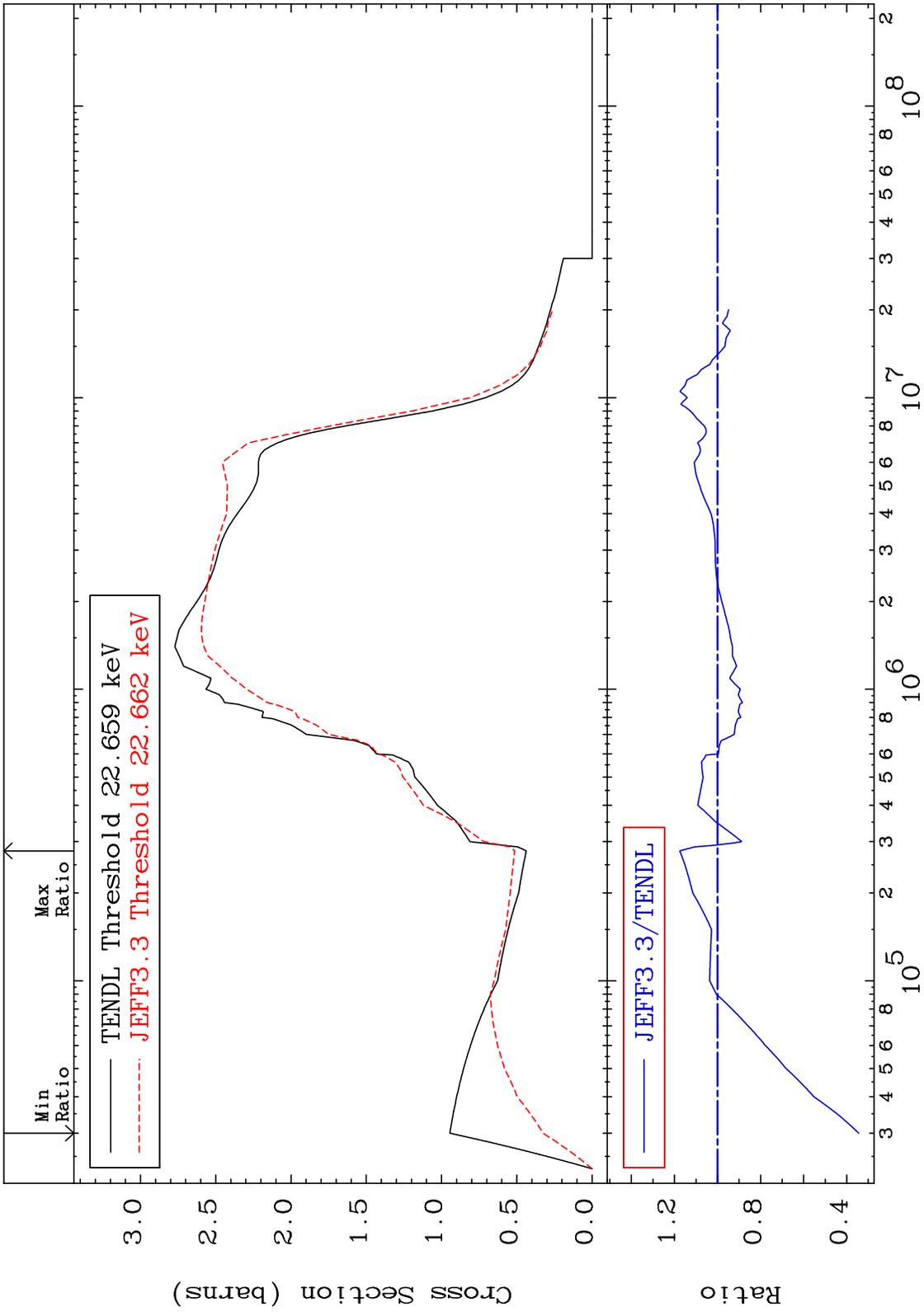
1 Incident Energy (eV) 62-Sm-149

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

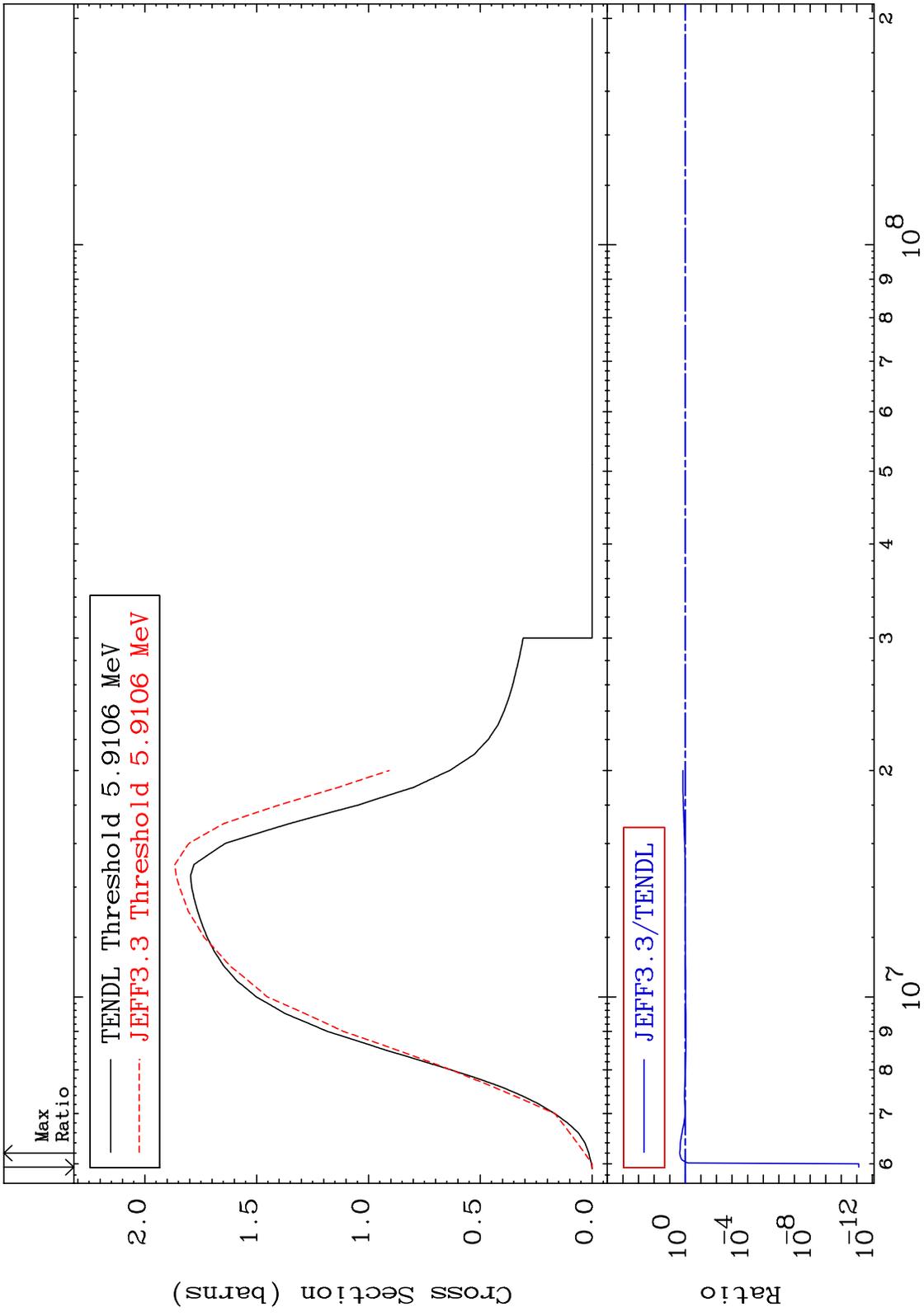


2 62-Sm-149 Incident Energy (eV)

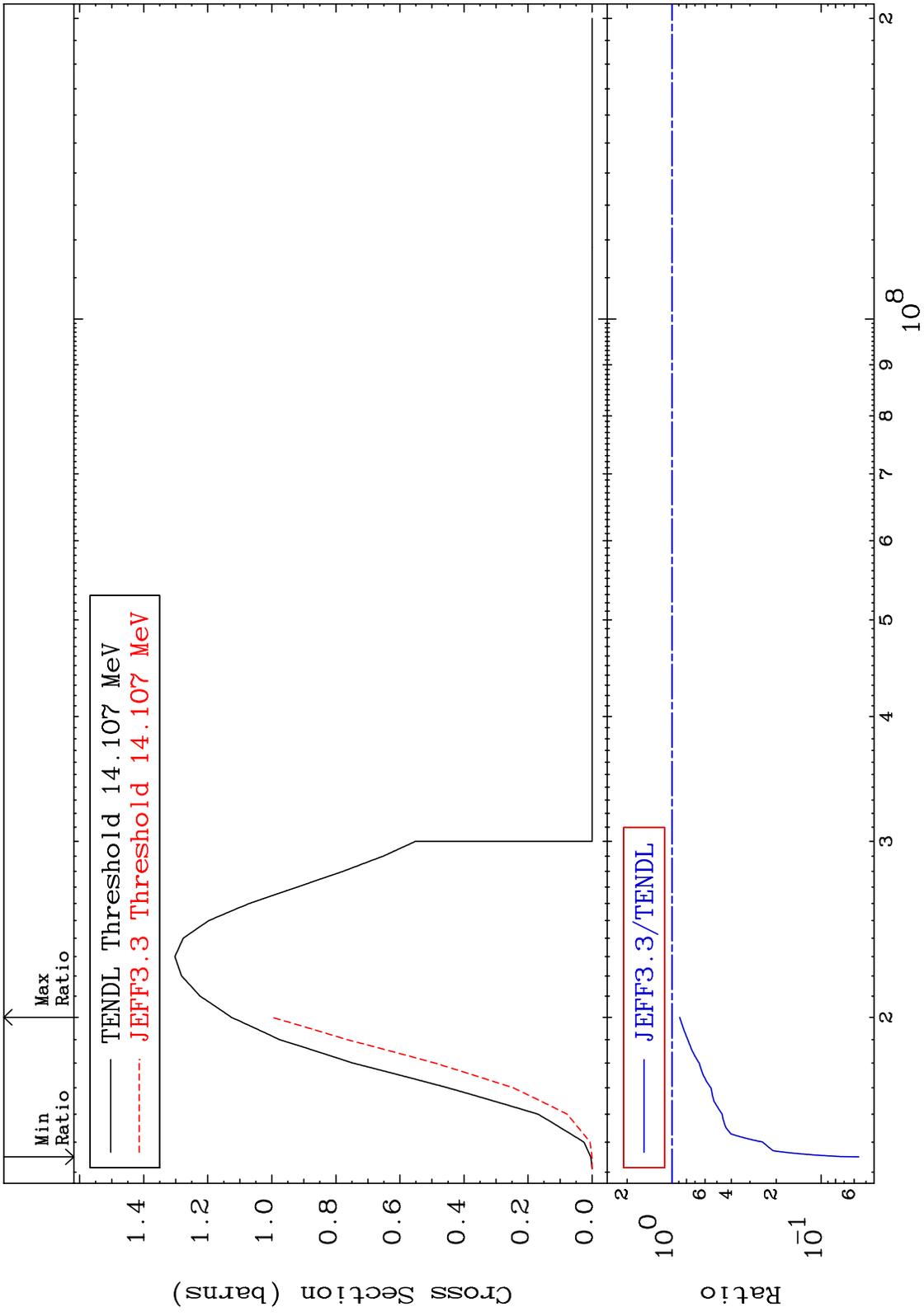
MAT 6240 Inelastic Cross Section 62-Sm-149 -65.60 To 17.54 %



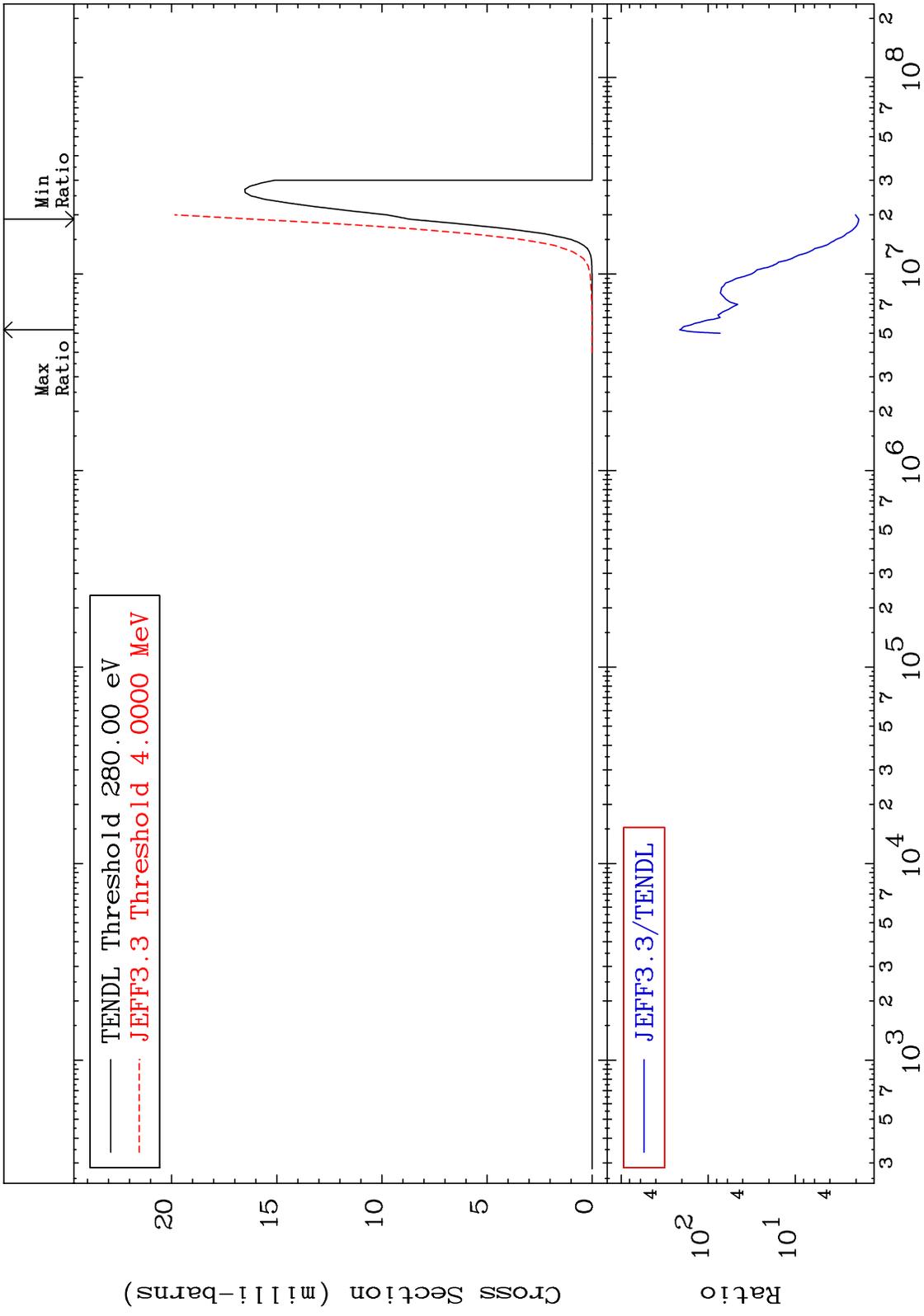
MAT 6240 62-Sm-149
-100.0 To 127.8 %
 (n,2n)
 Cross Section



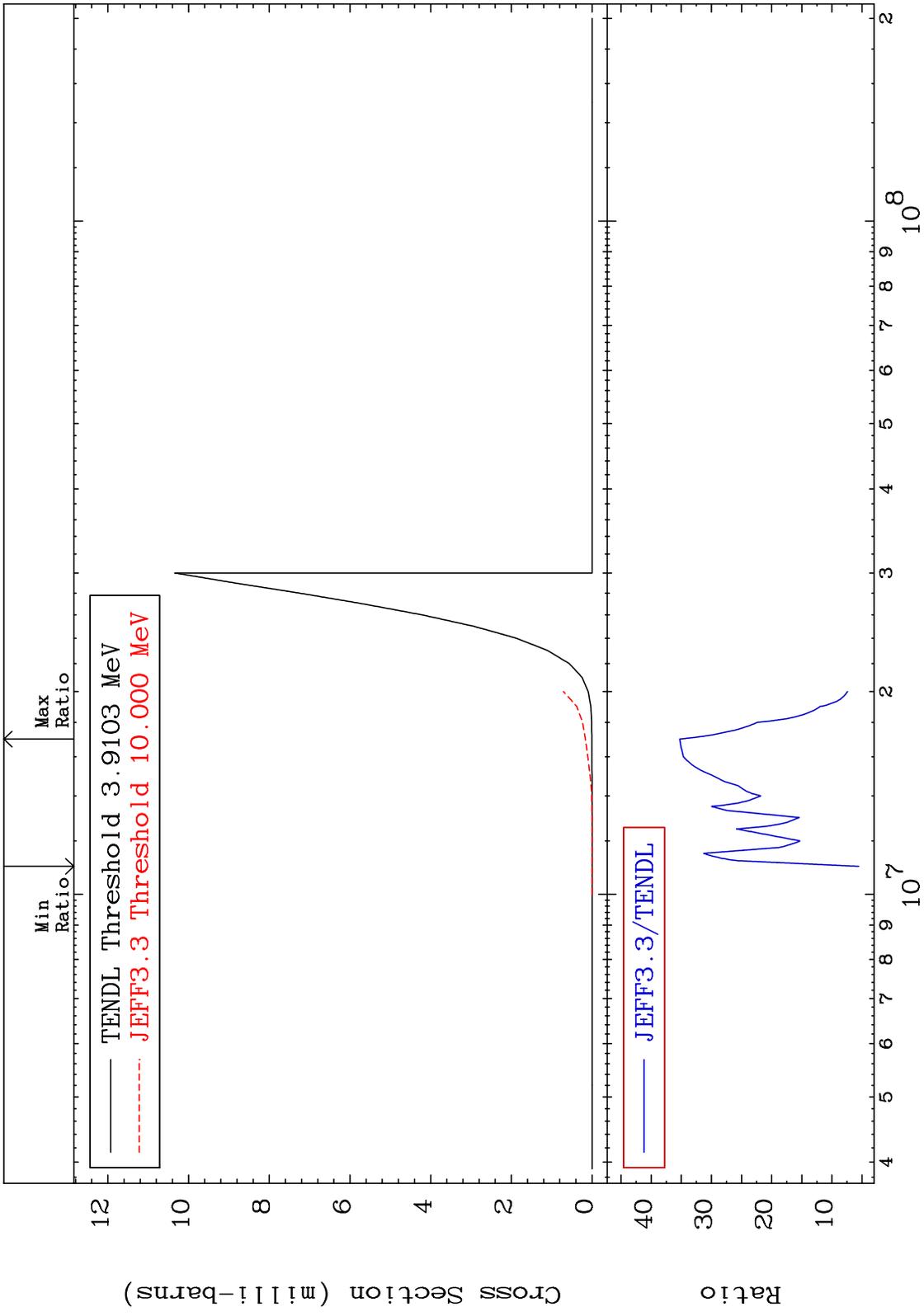
MAT 6240 $(n, 3n)$ Cross Section $^{62}\text{Sm}-149$ $-94.42 \text{ To } -11.28\%$



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

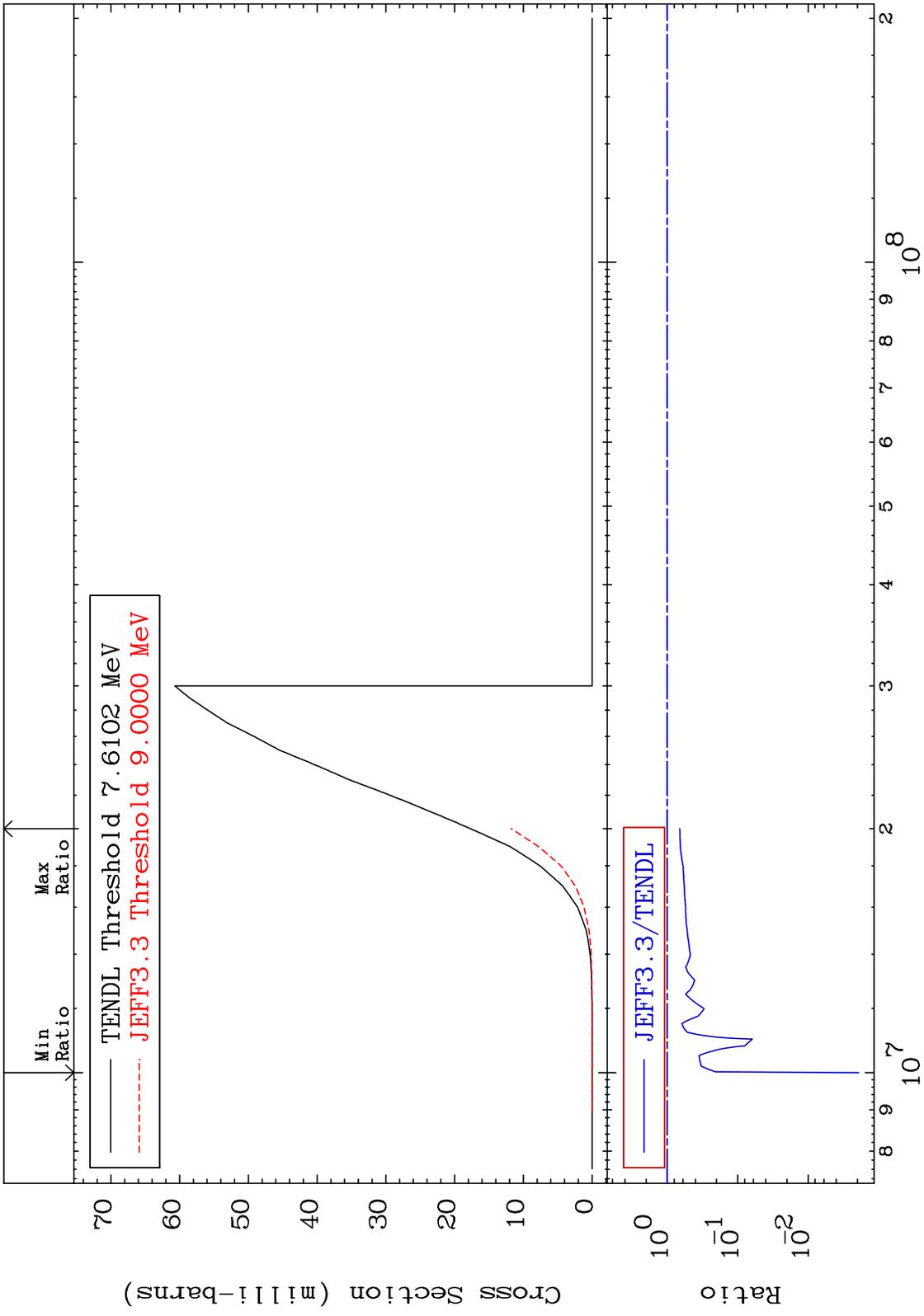


MAT 6240 $(n, 2n) \alpha$ 62-Sm-149
 Cross Section 453.5 To 3426. %

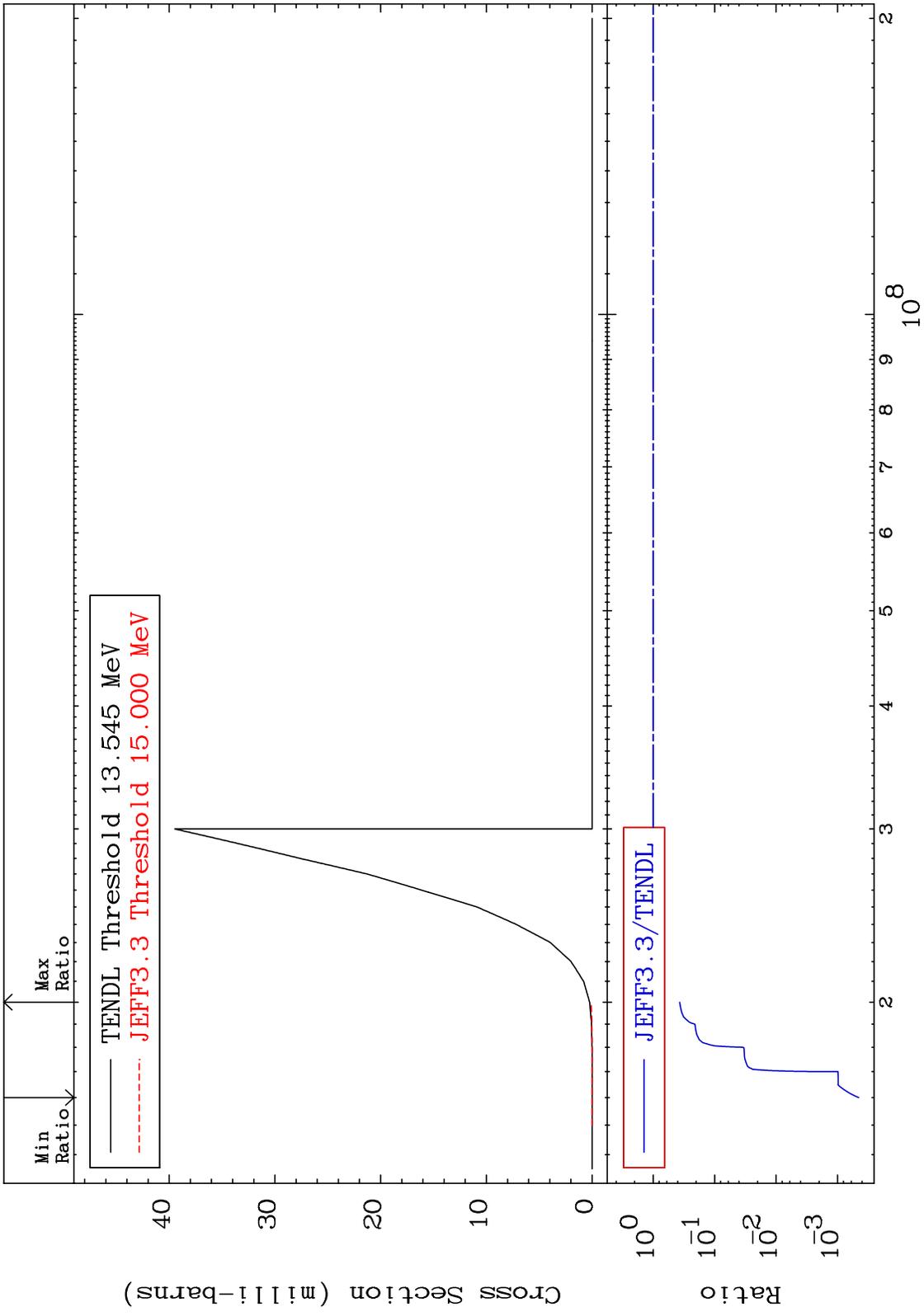


7 Incident Energy (eV) 62-Sm-149

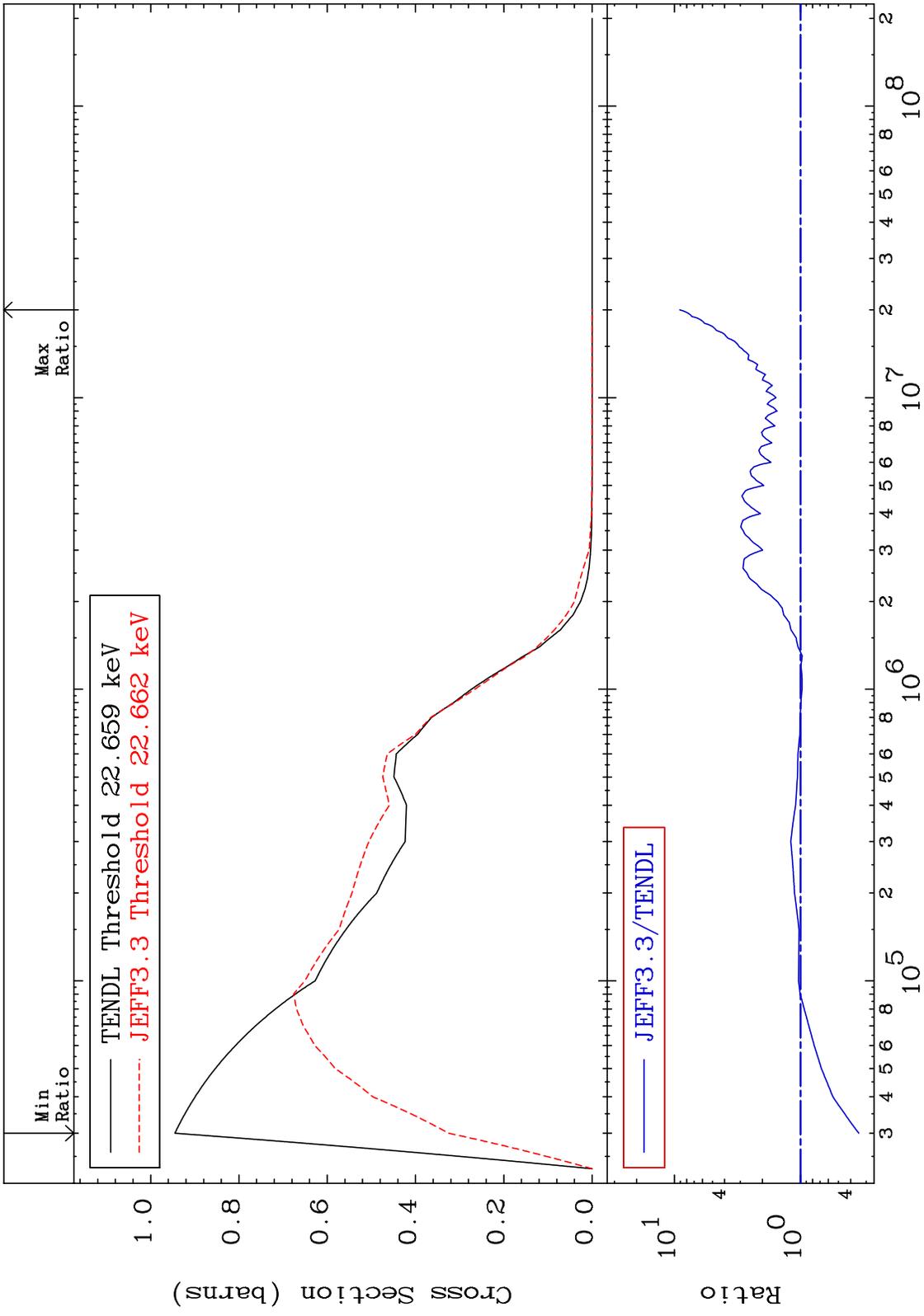
MAT 6240 (n, n') p $^{62}\text{Sm}-149$
 Cross Section -99.81 To -33.42%



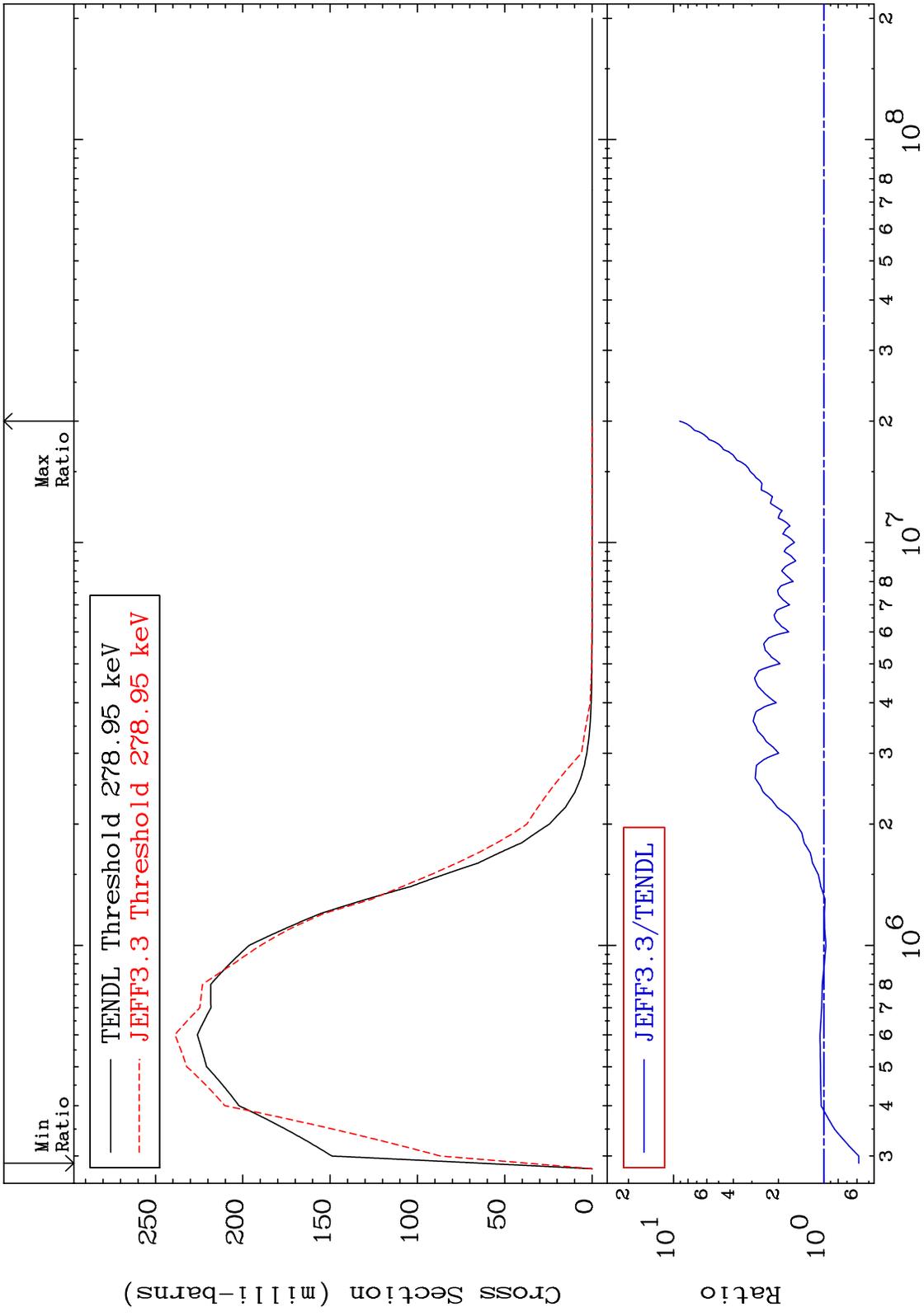
MAT 6240 (n,2n) p 62-Sm-149
 Cross Section -99.95 To -63.08%



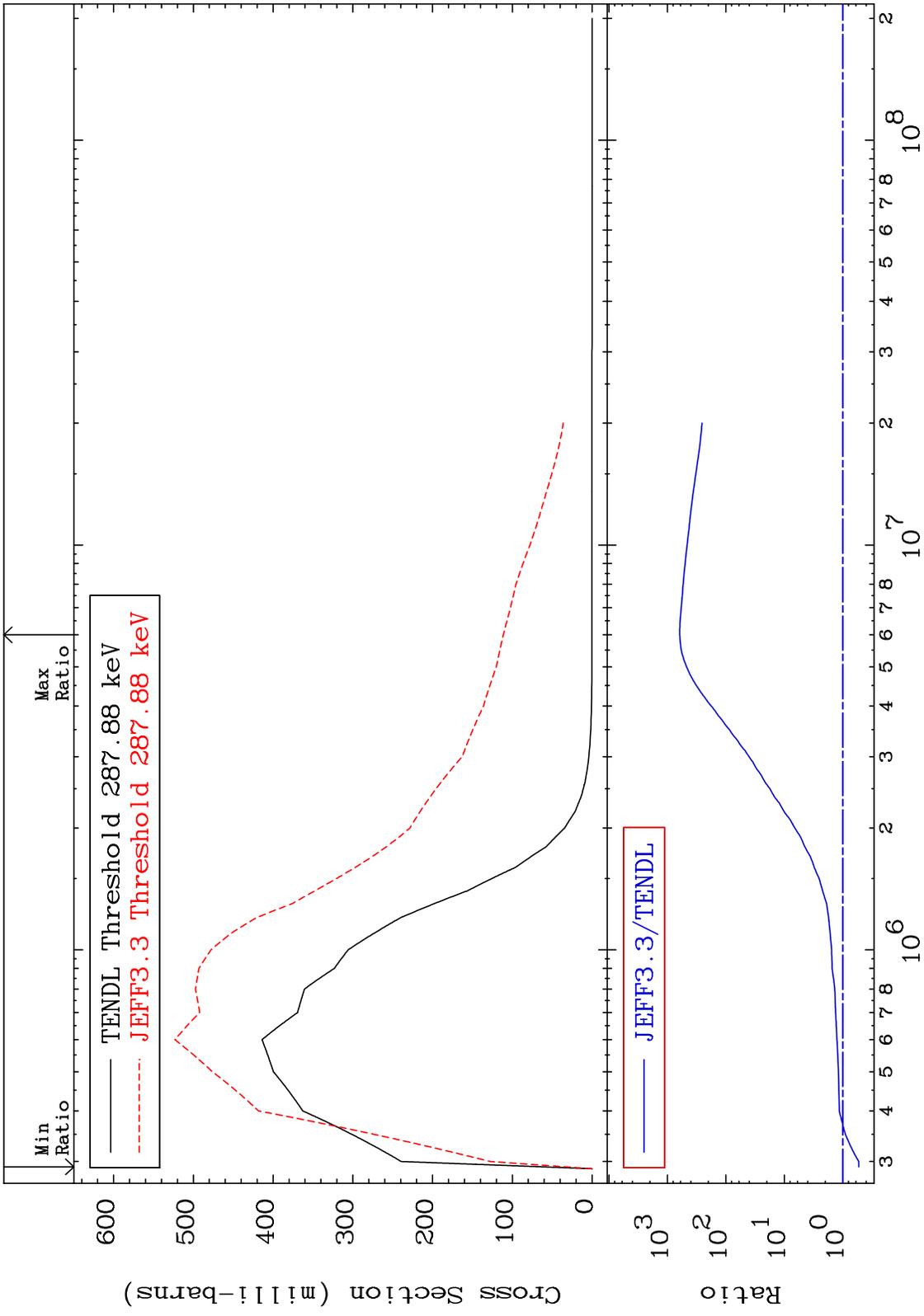
MAT 6240 MT= 51 (n,n') Level Cross Section 62-Sm-149 -65.60 To 809.0 %



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

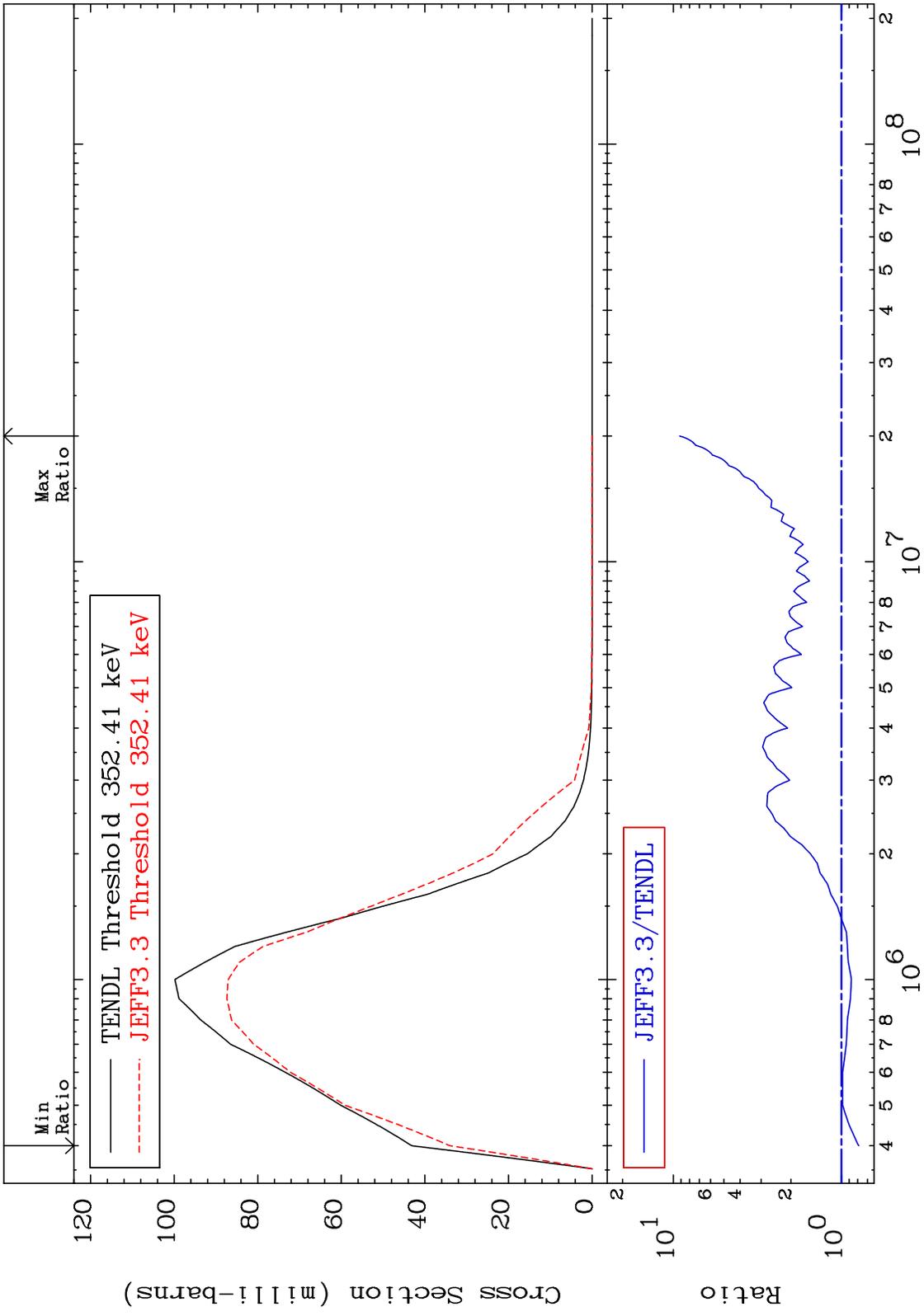


MAT 6240 MT= 53 (n,n') Level 62-Sm-149
 Cross Section -46.61 To 9999. %

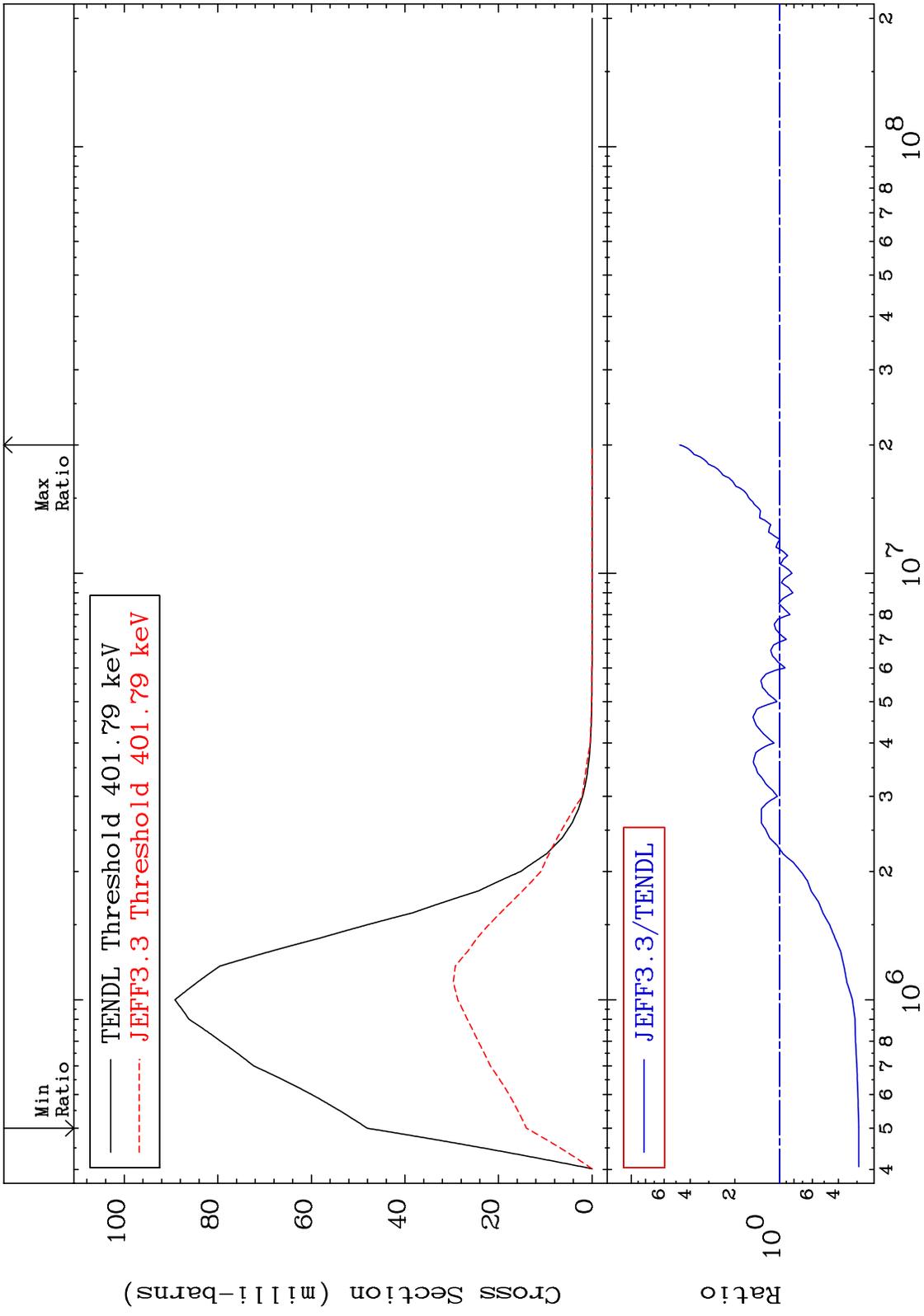


12 Incident Energy (eV) 62-Sm-149

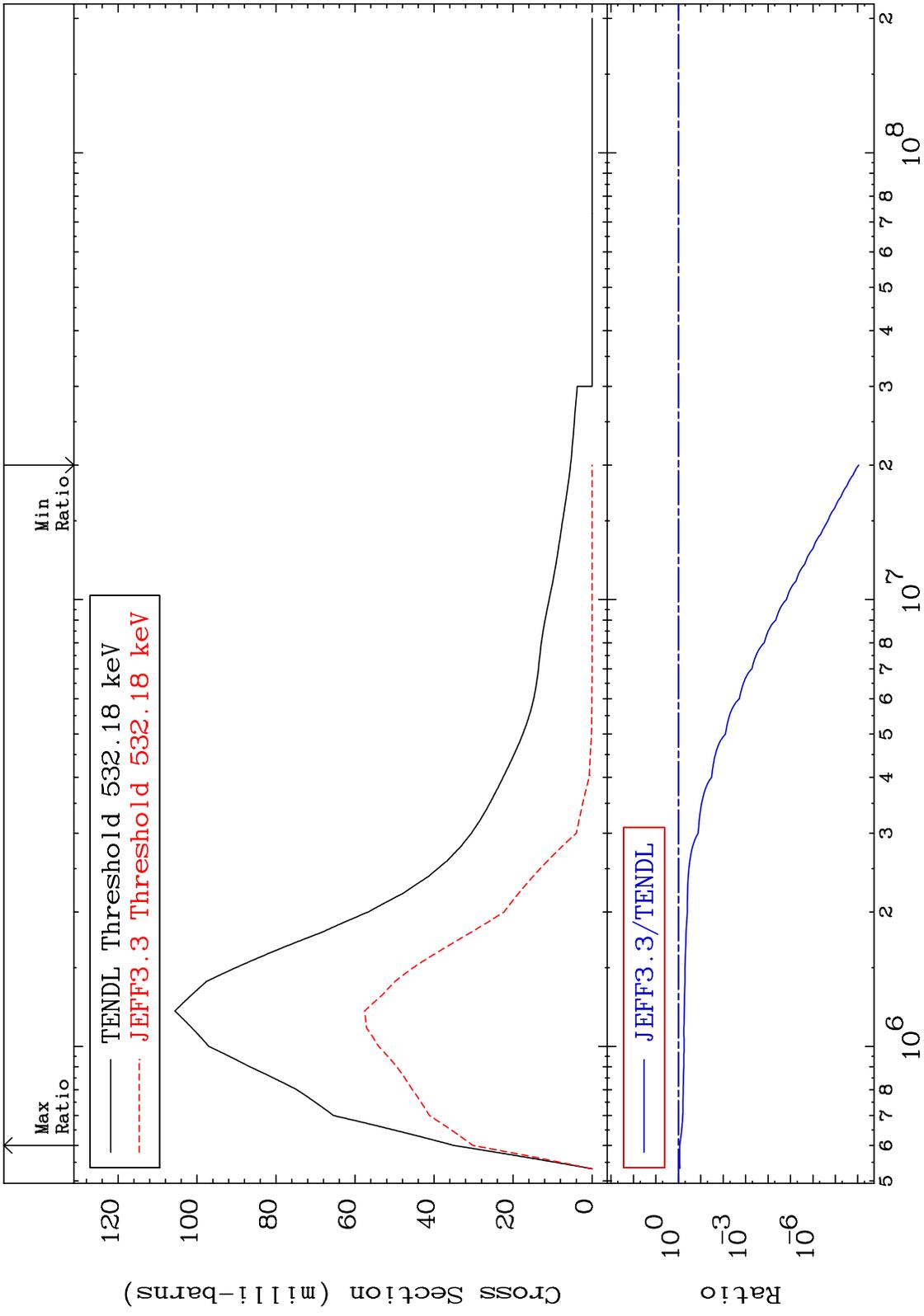
MAT 6240 MT= 54 (n,n') Level Cross Section 62-Sm-149
 -21.18 To 814.7 %



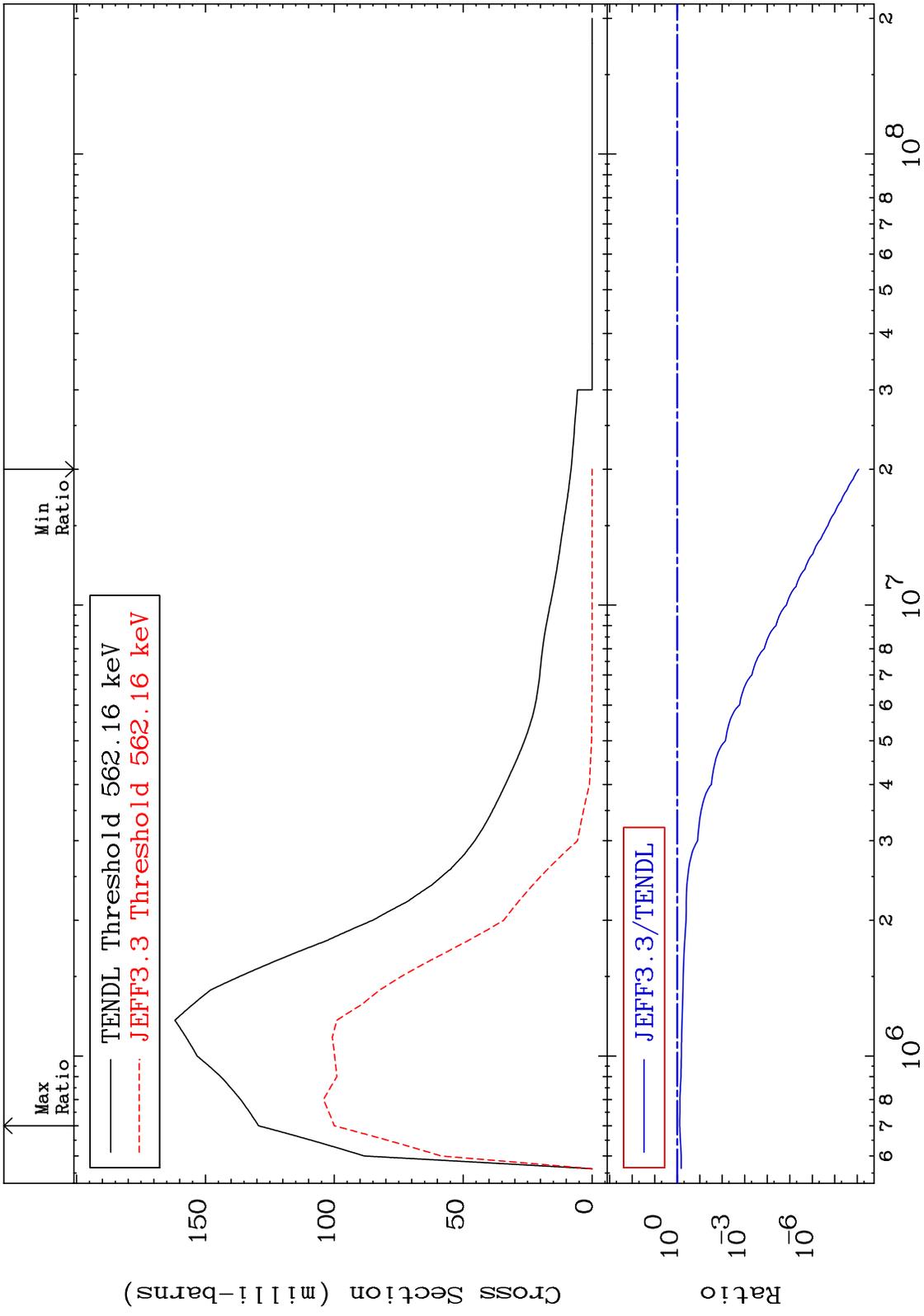
MAT 6240 MT= 55 (n,n') Level Cross Section 62-Sm-149
 -70.83 To 370.7 %



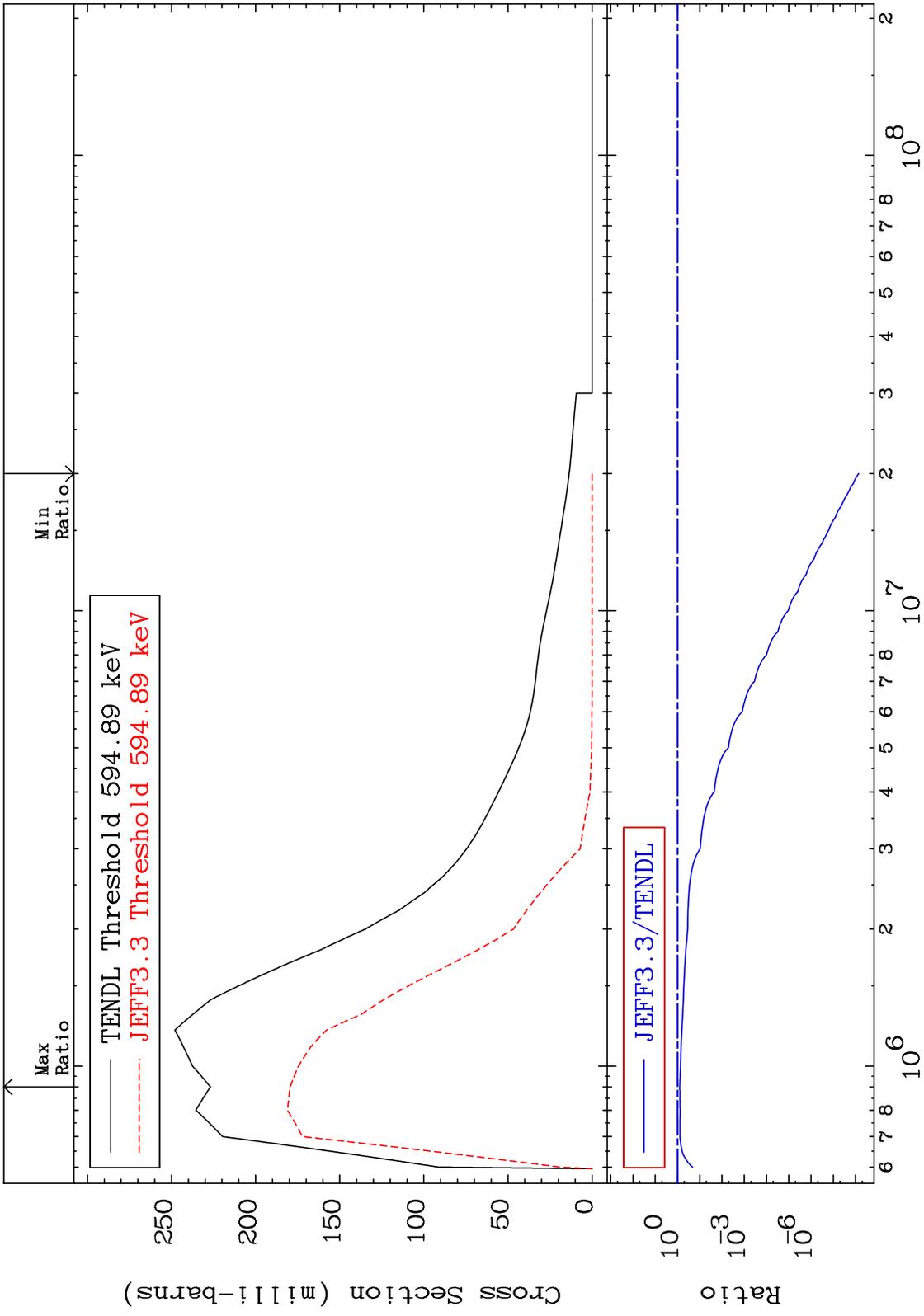
MAT 6240 MT= 56 (n,n') Level Cross Section 62-Sm-149 -100.0 To -13.75%



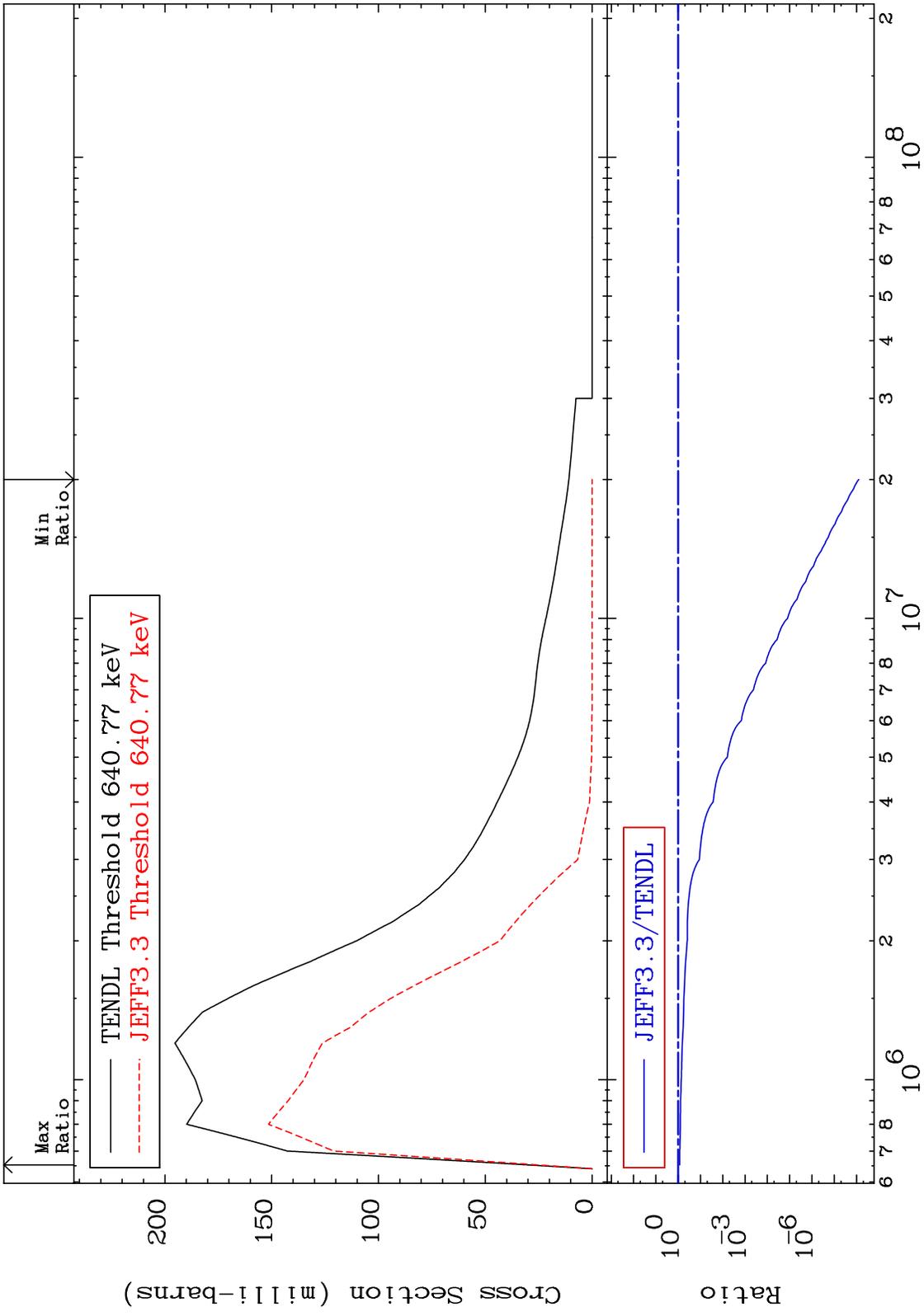
MAT 6240 MT= 57 (n,n') Level Cross Section 62-Sm-149 -100.0 To -22.70%



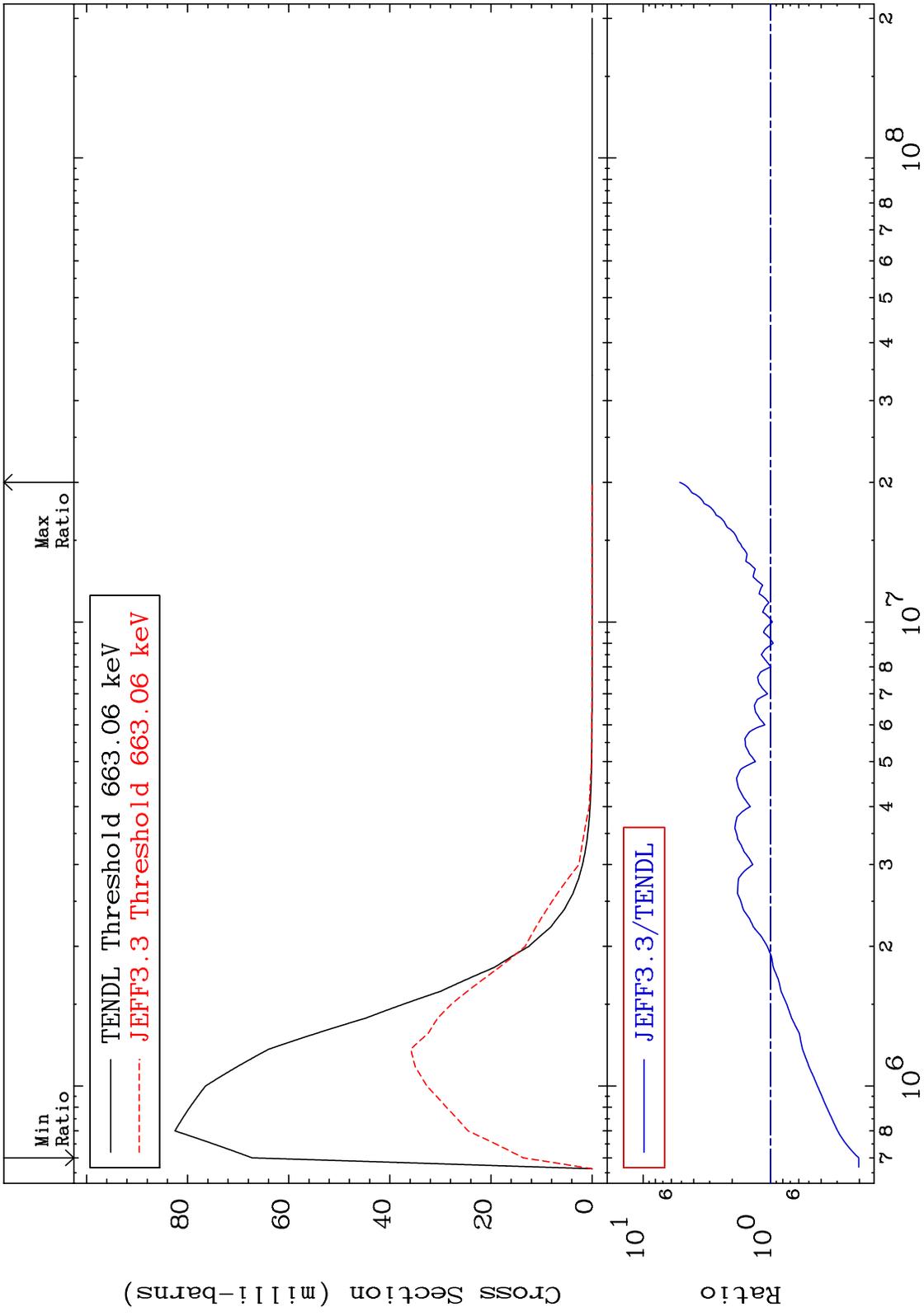
MAT 6240 MT= 58 (n,n') Level Cross Section 62-Sm-149
 -100.0 To -20.86%



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

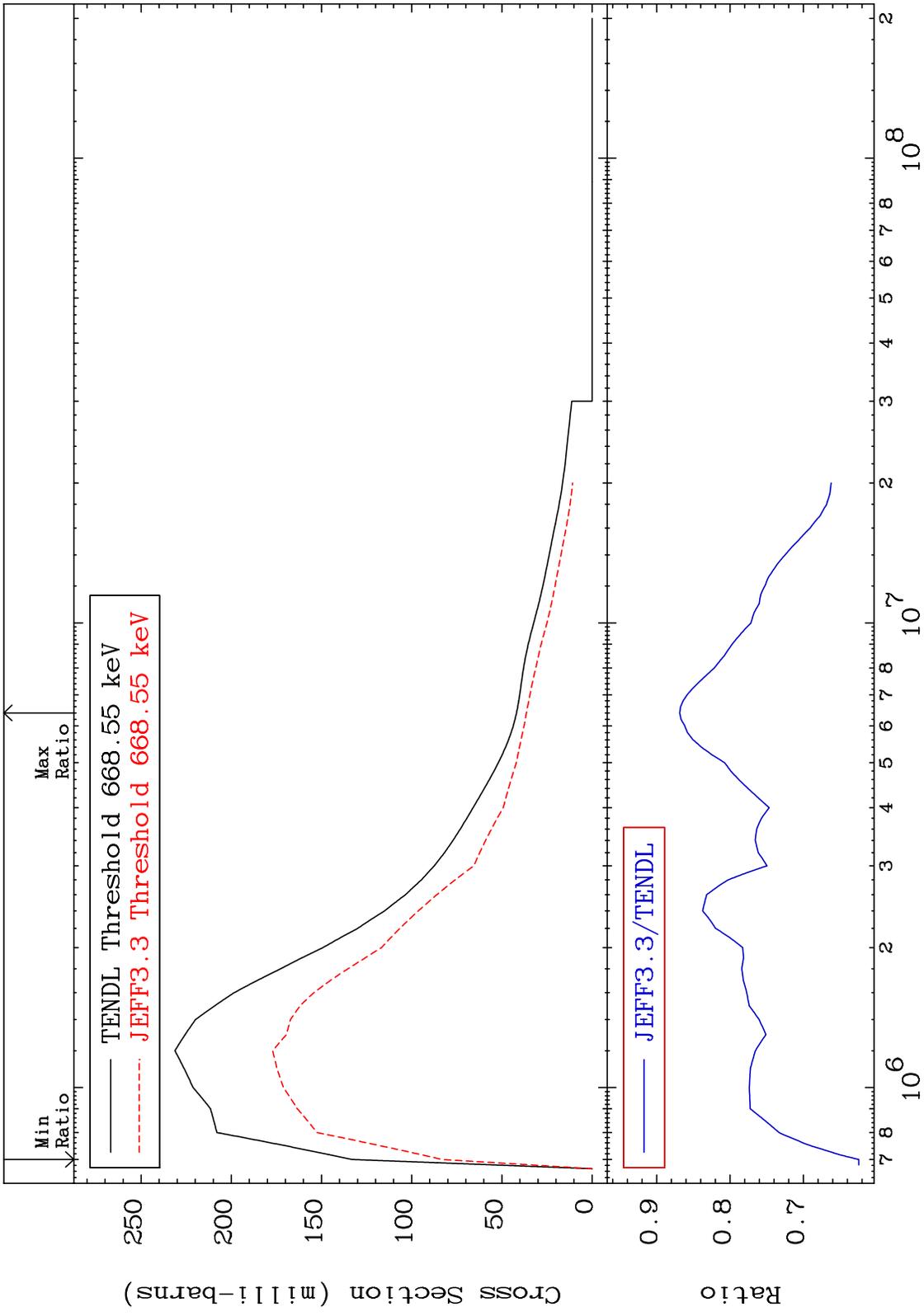


MAT 6240 MT= 60 (n,n') Level Cross Section 62-Sm-149
 -79.75 To 415.7 %

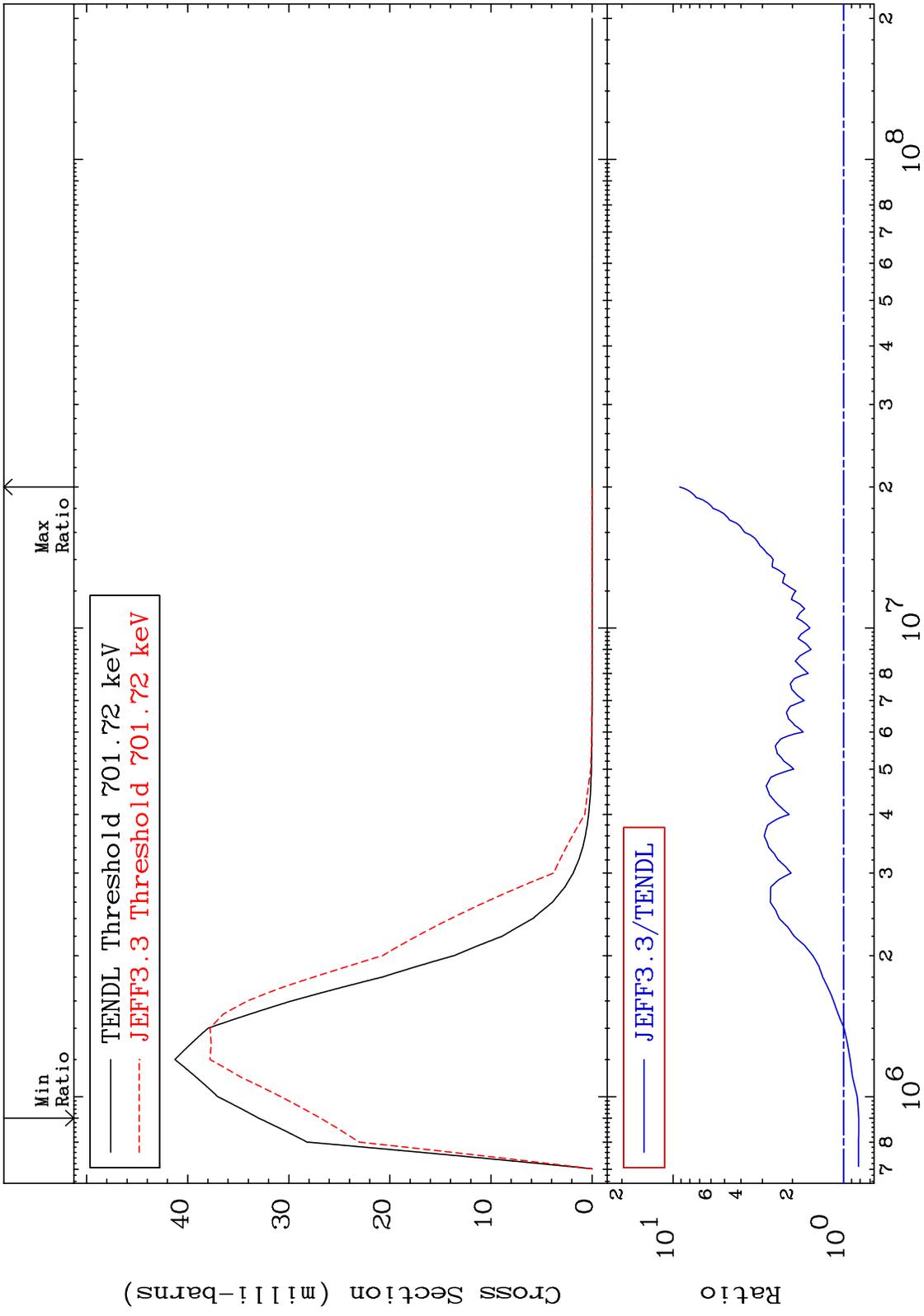


19 62-Sm-149 Incident Energy (eV)

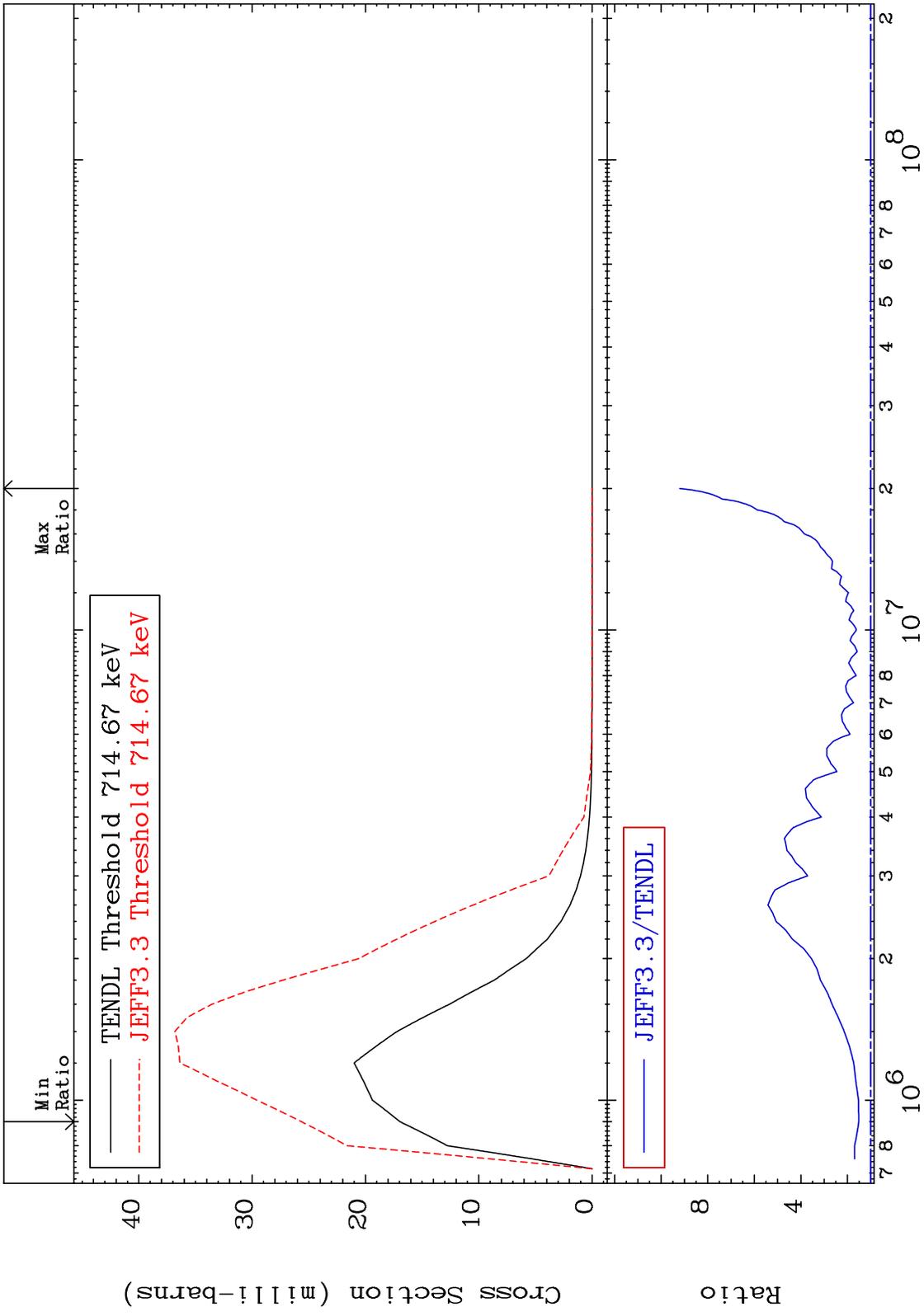
MAT 6240 MT= 61 (n,n') Level Cross Section 62-Sm-149 -37.55 To -13.14%



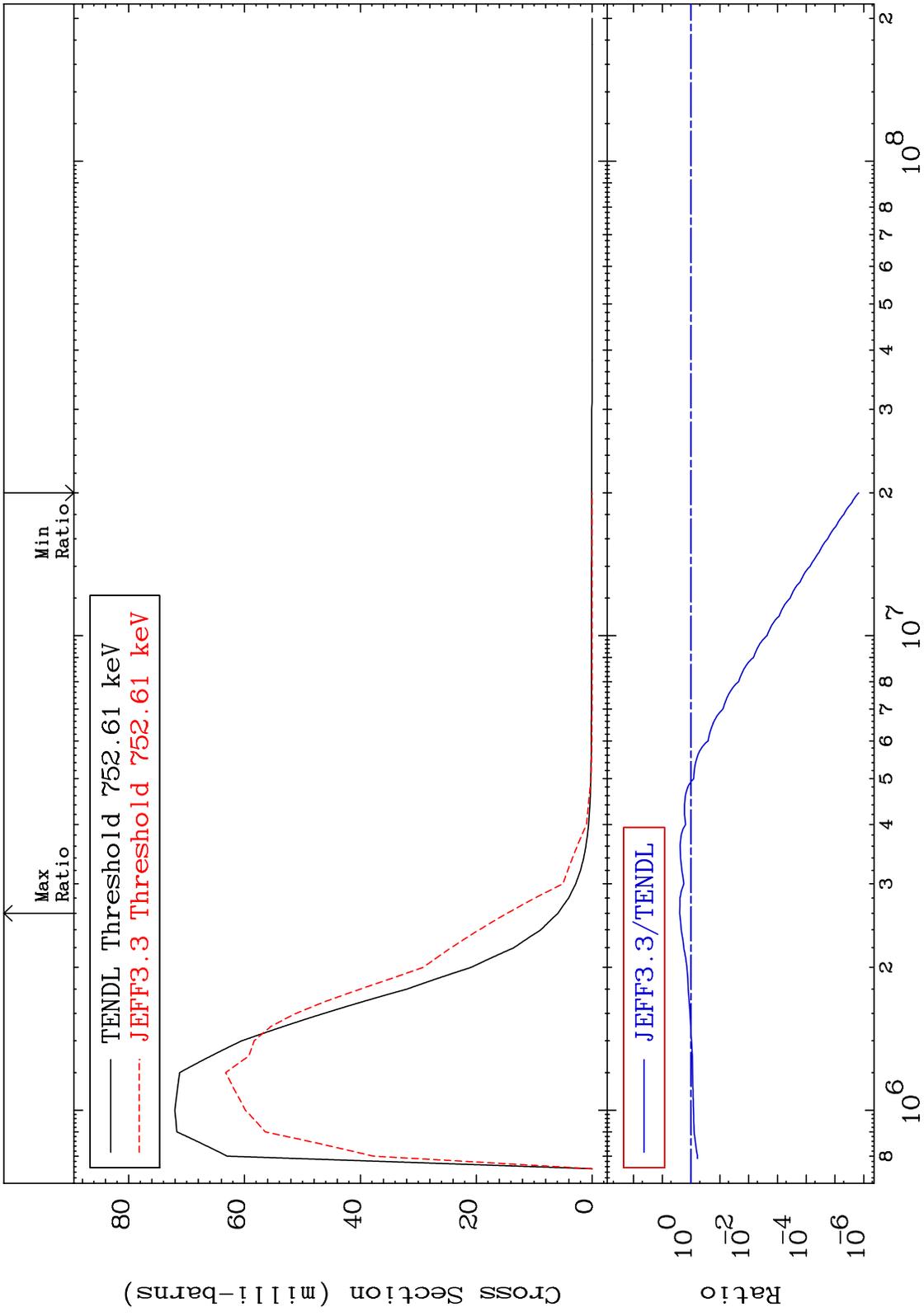
MAT 6240 MT= 62 (n,n') Level Cross Section 62-Sm-149
 -18.52 To 815.5 %



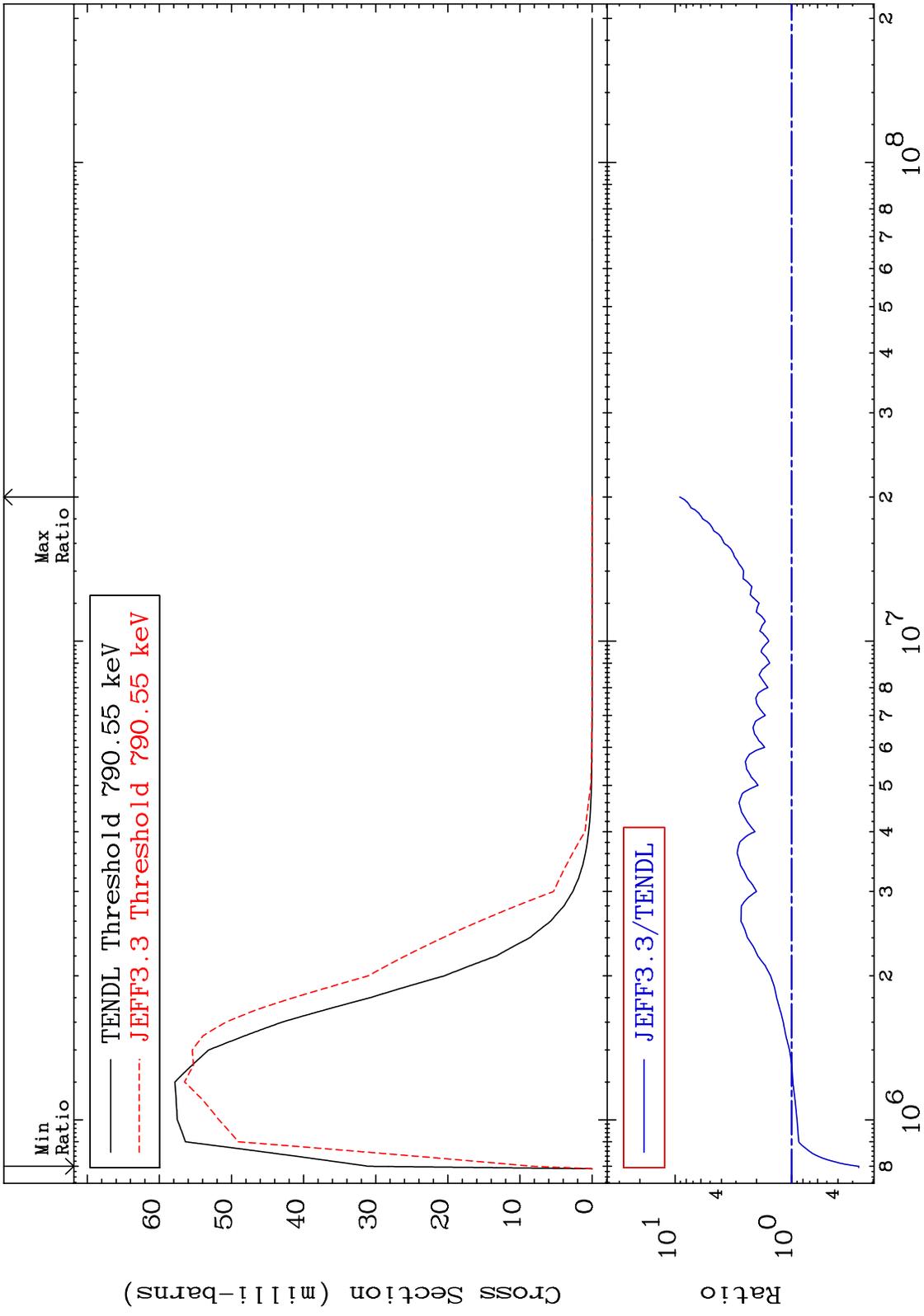
MAT 6240 MT= 63 (n,n') Level Cross Section 62-Sm-149 51.25 To 820.2 %



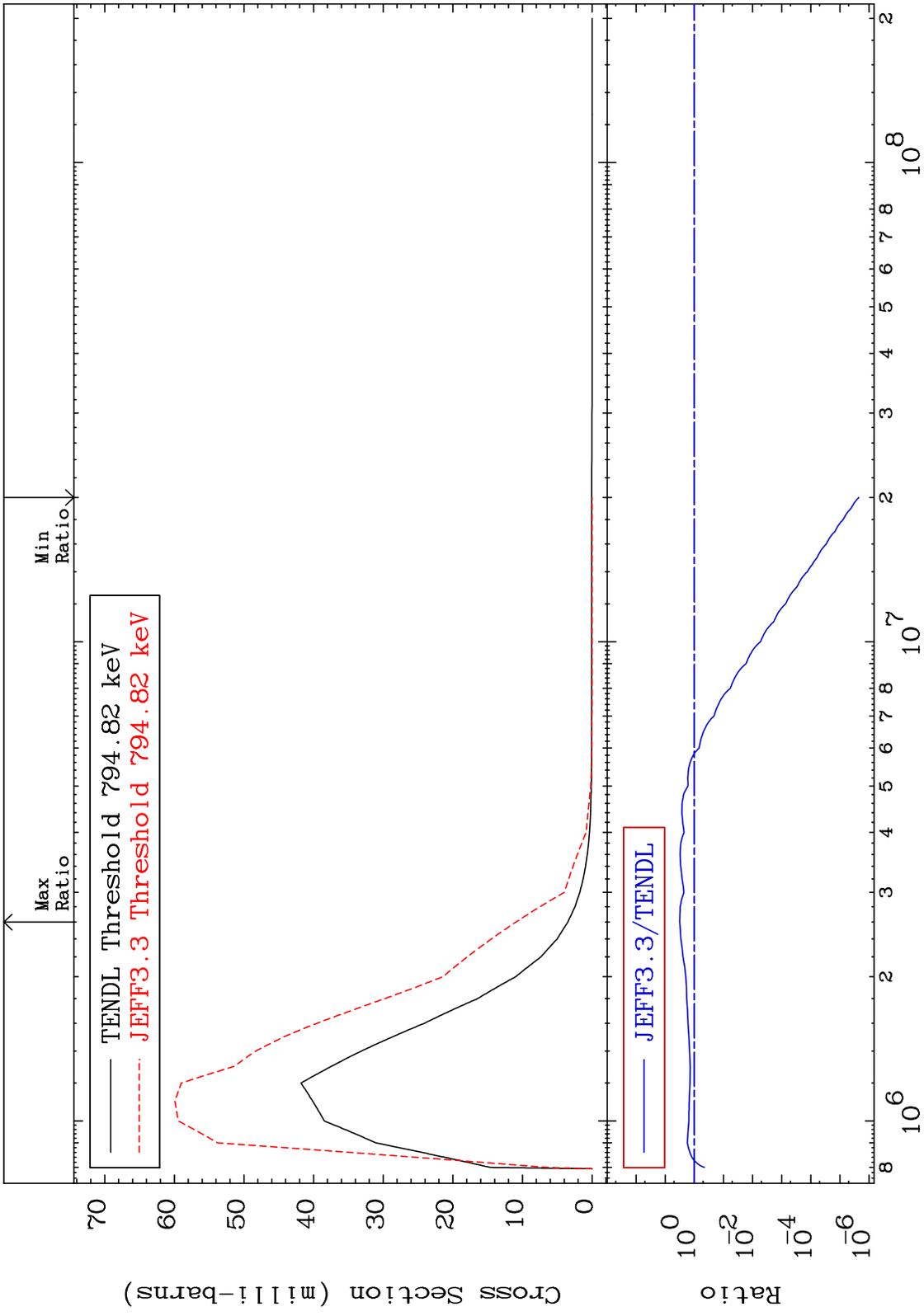
MAT 6240 MT= 64 (n,n') Level Cross Section 62-Sm-149
 -100.0 To 148.2 %



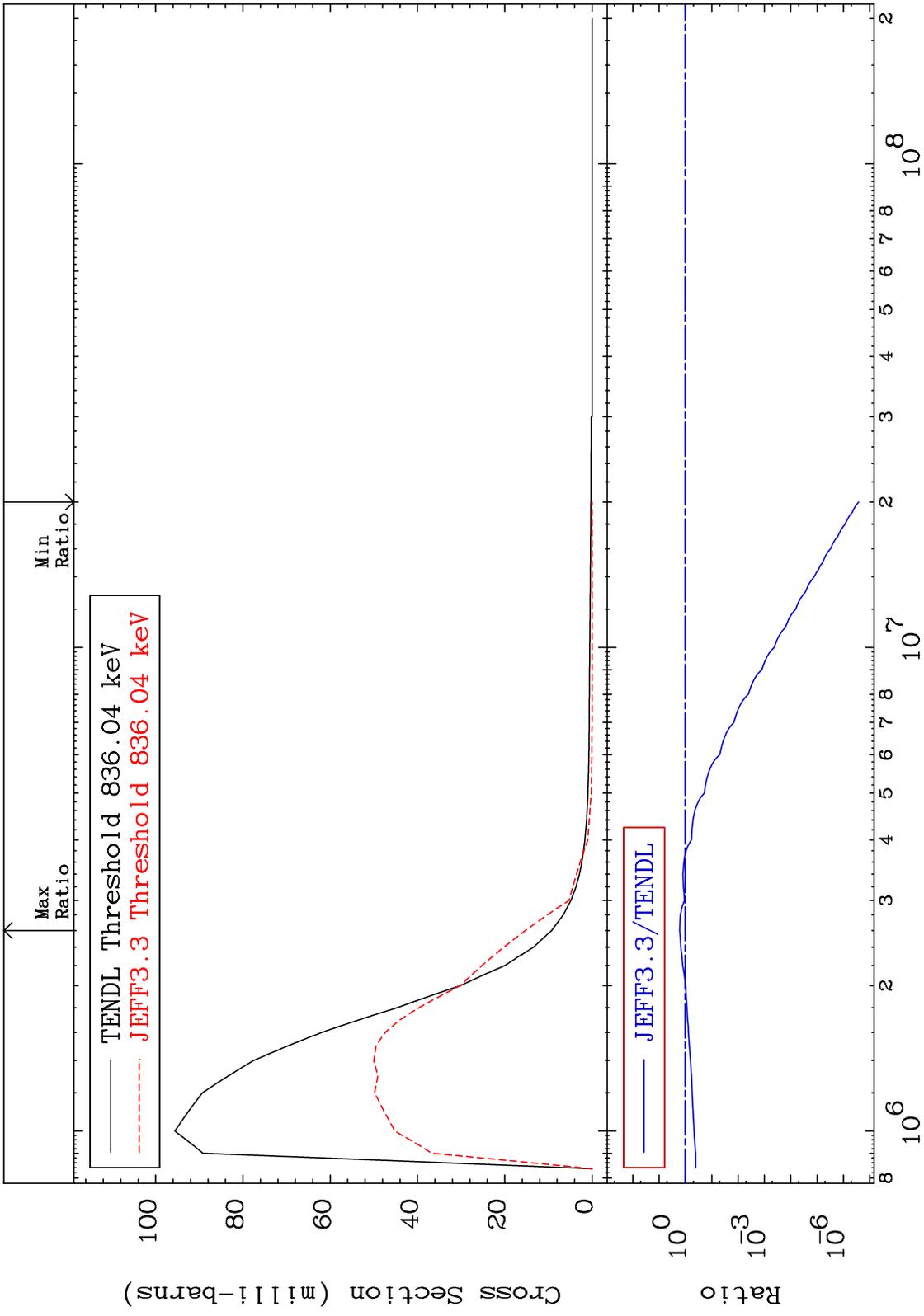
MAT 6240 MT= 65 (n,n') Level Cross Section 62-Sm-149
 -73.45 To 810.5 %



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

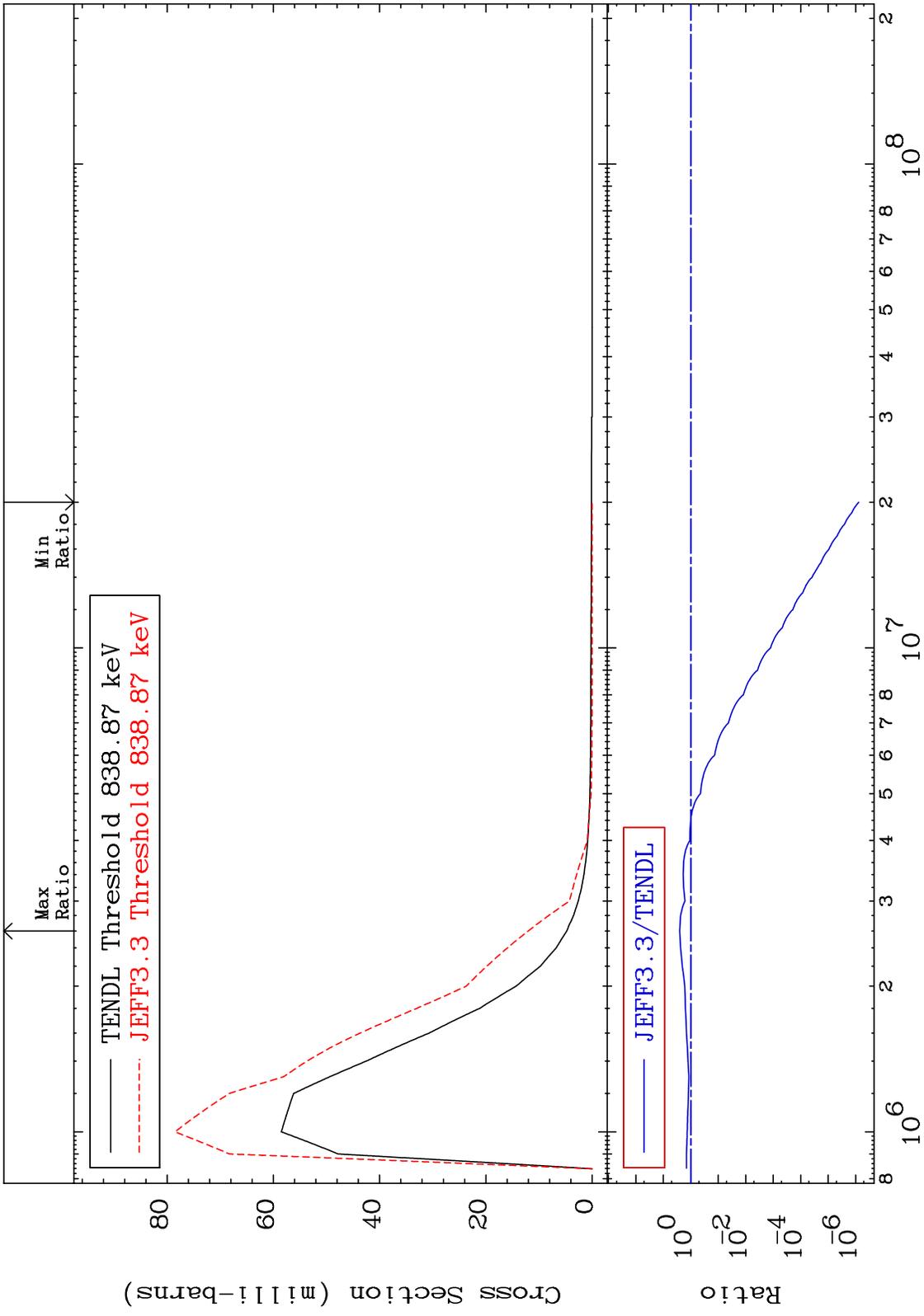


MAT 6240 MT= 67 (n,n') Level Cross Section 62-Sm-149 -100.0 To 64.82 %

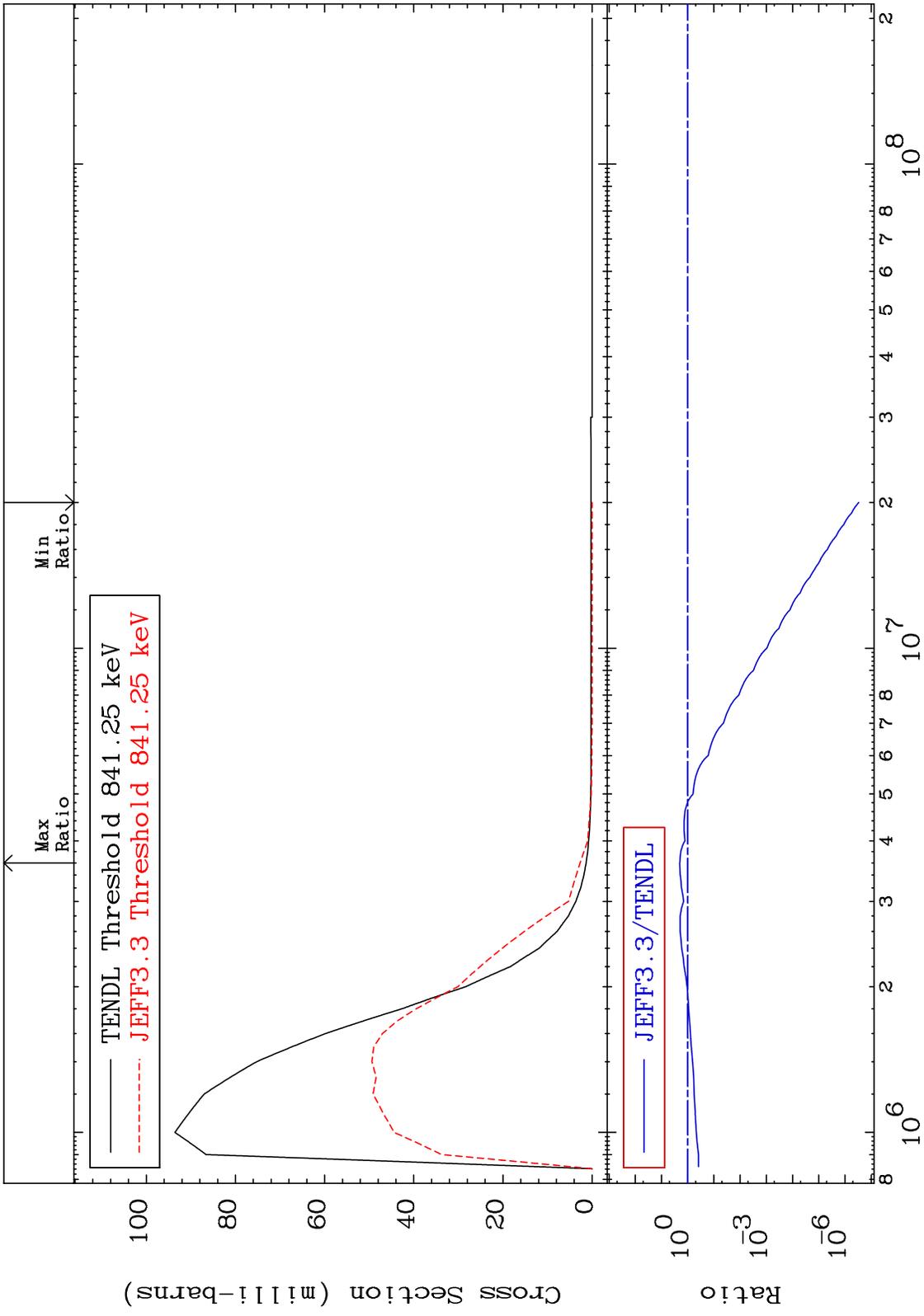


26 62-Sm-149

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

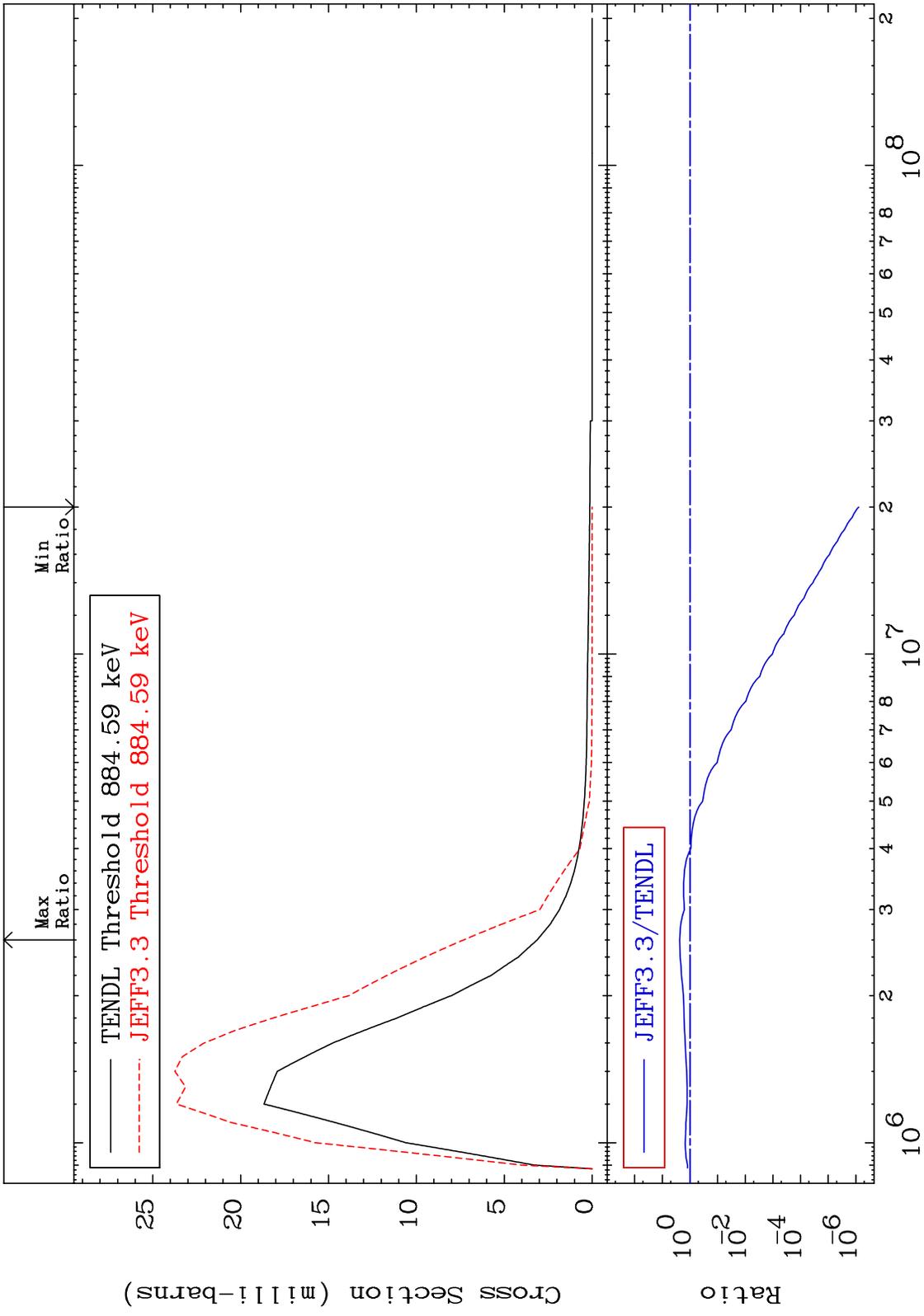


MAT 6240 MT= 69 (n,n') Level Cross Section 62-Sm-149 -100.0 To 101.6 %



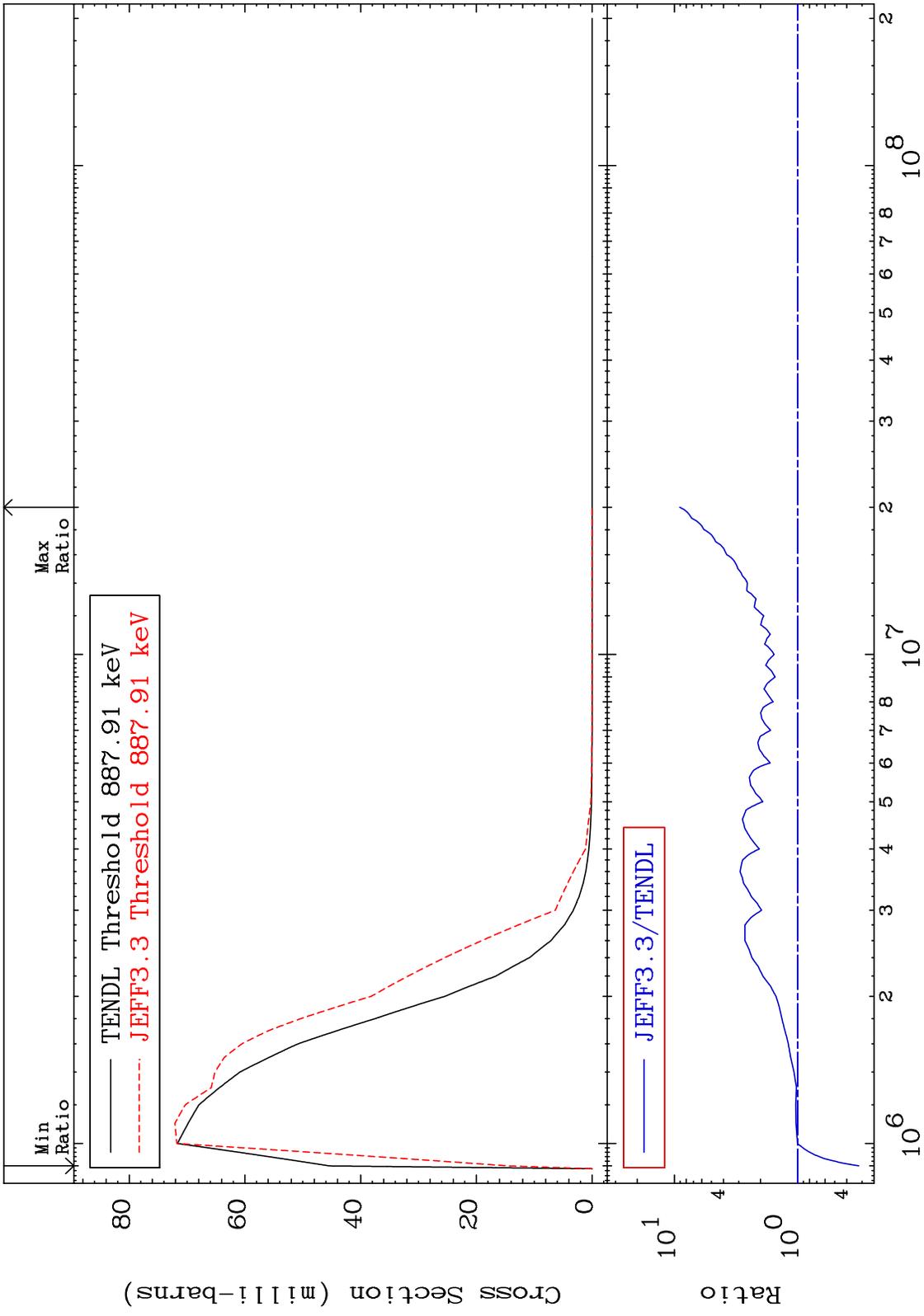
28 62-Sm-149 Incident Energy (eV)

MAT 6240 MT= 70 (n,n') Level Cross Section 62-Sm-149
 -100.0 To 134.4 %



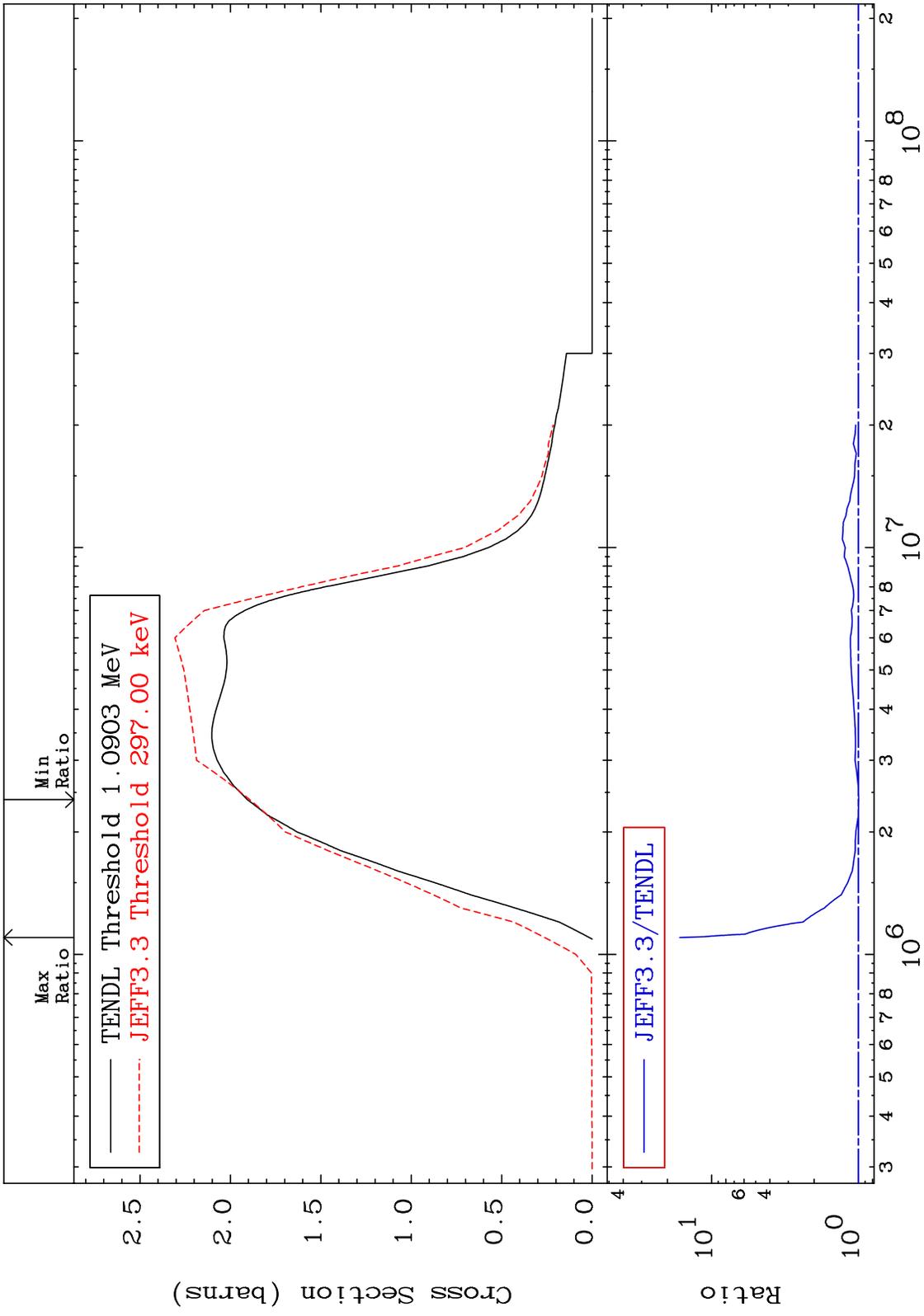
29 Incident Energy (eV) 62-Sm-149

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

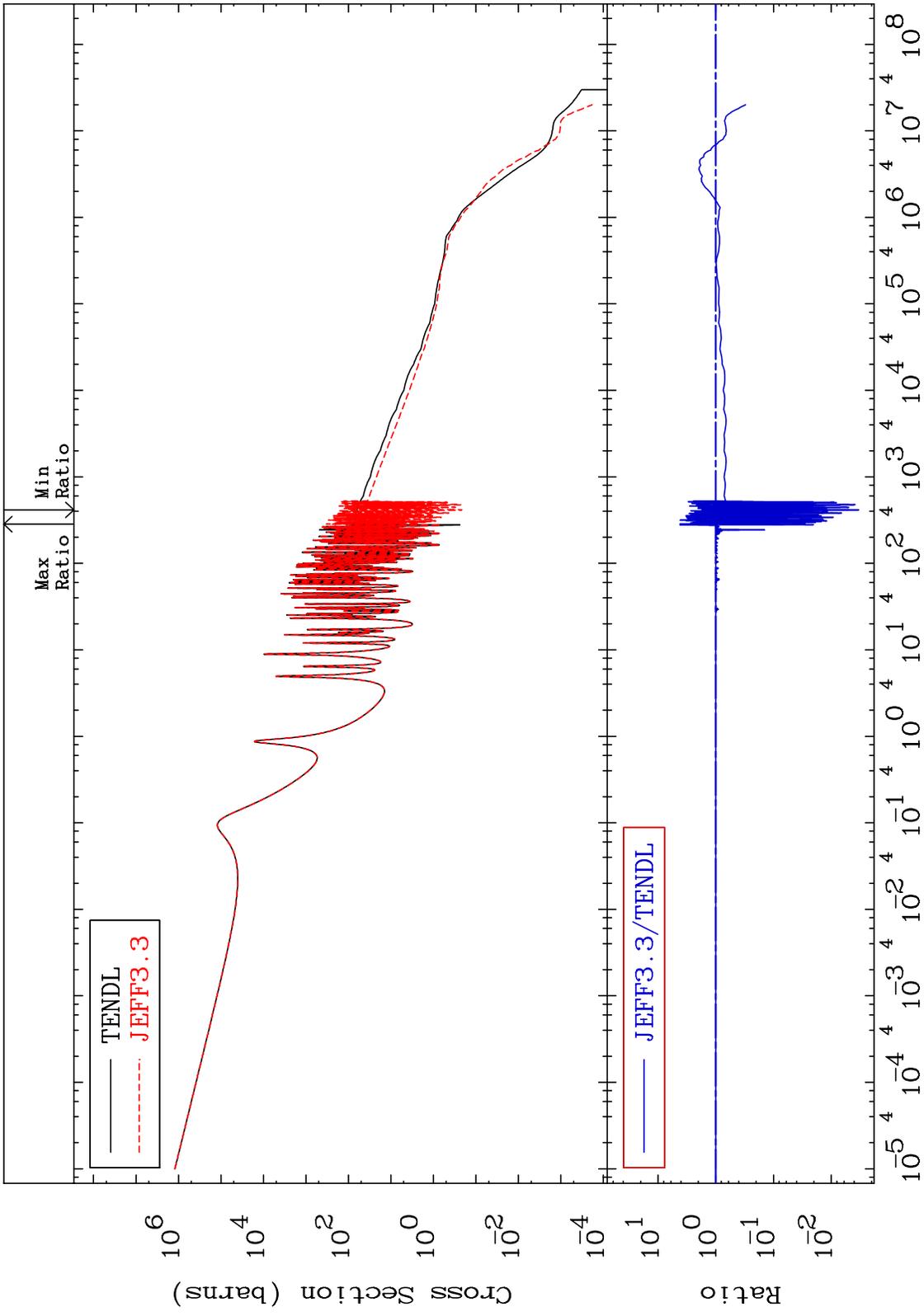


30 Incident Energy (eV) 62-Sm-149

MAT 6240 (n, n') Continuum Cross Section 62-Sm-149 -0.696 To 1547. %



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



32 62-Sm-149

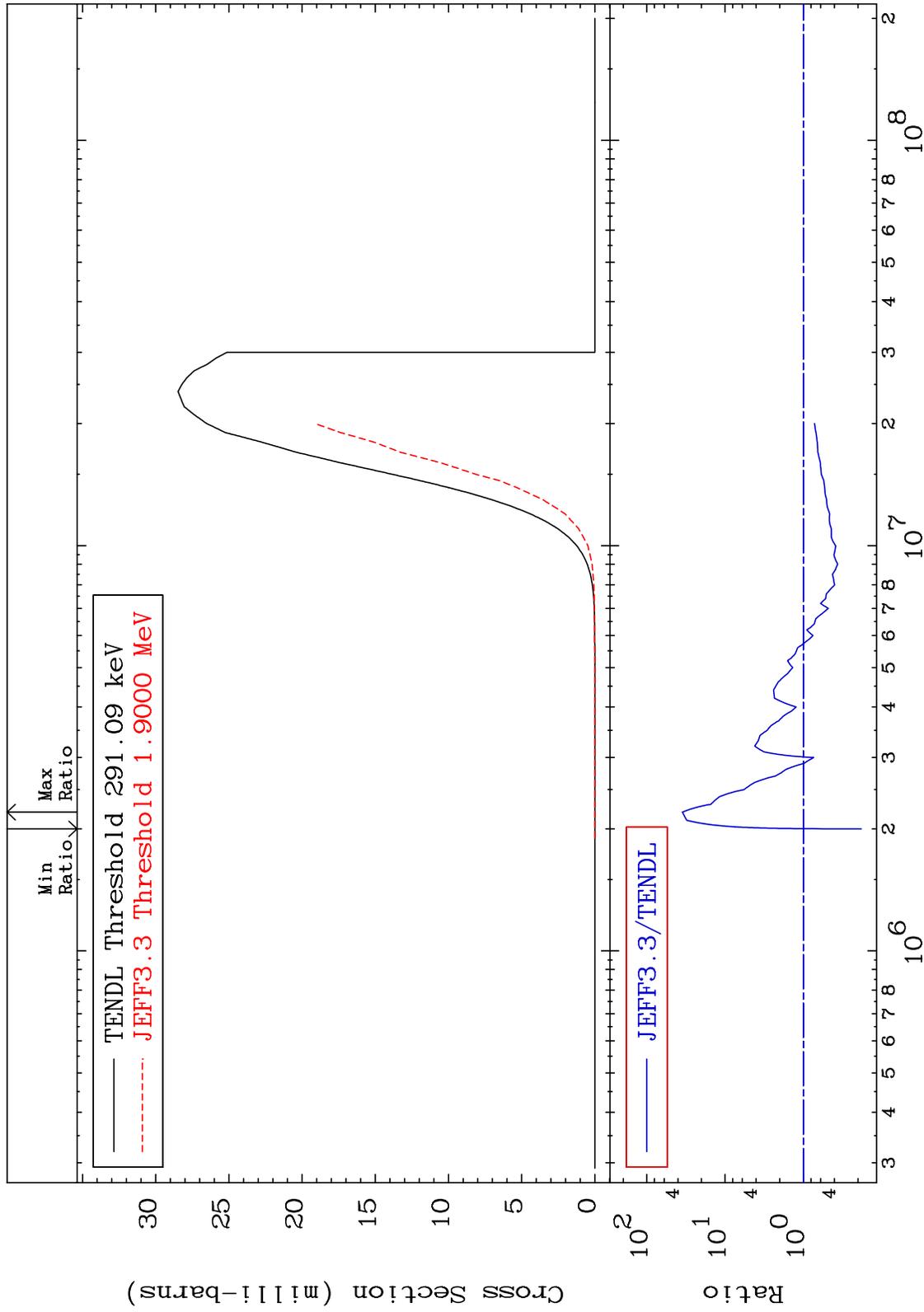
MAT 6240

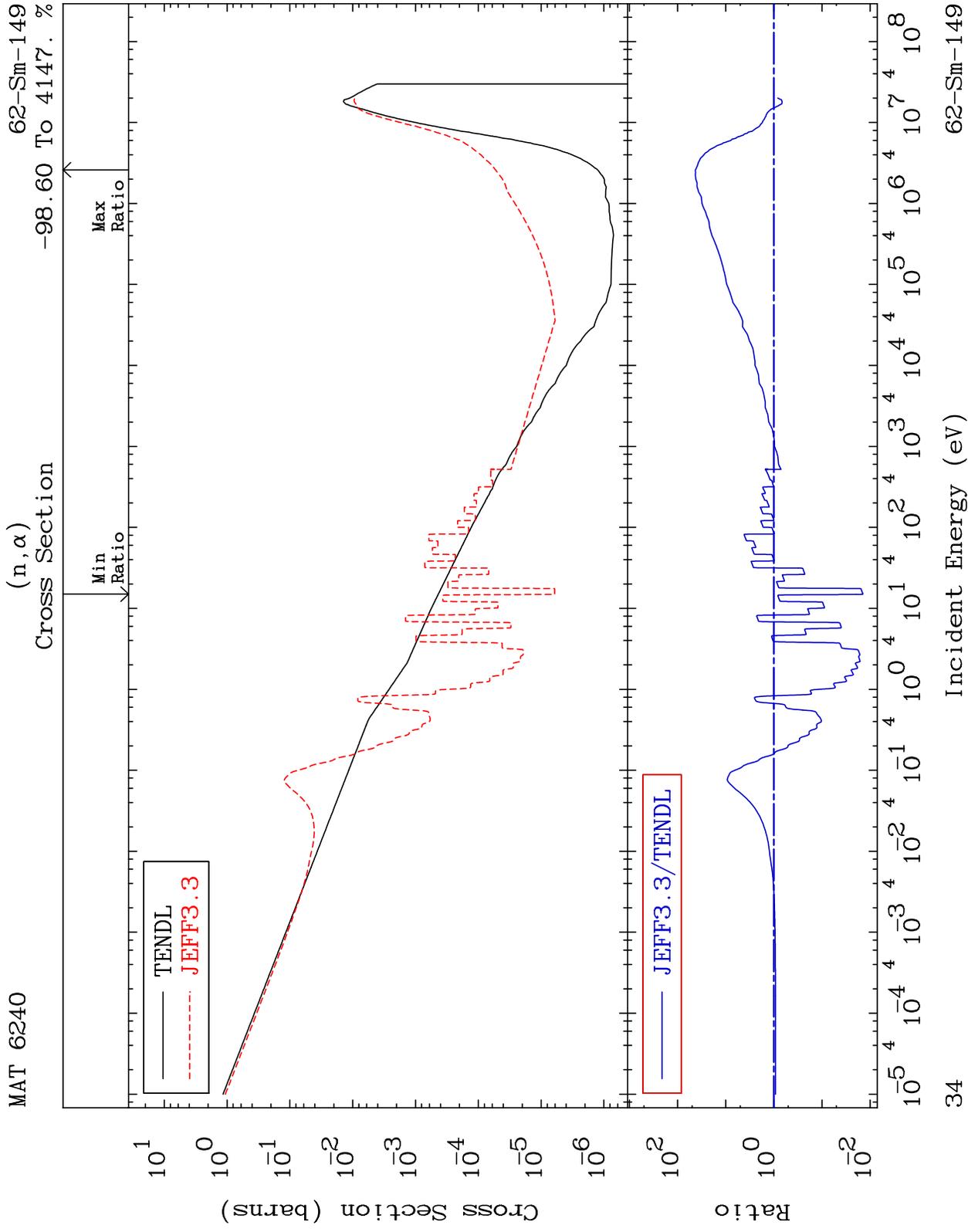
(n,p)

62-Sm-149

-81.87 To 3402. %

Cross Section

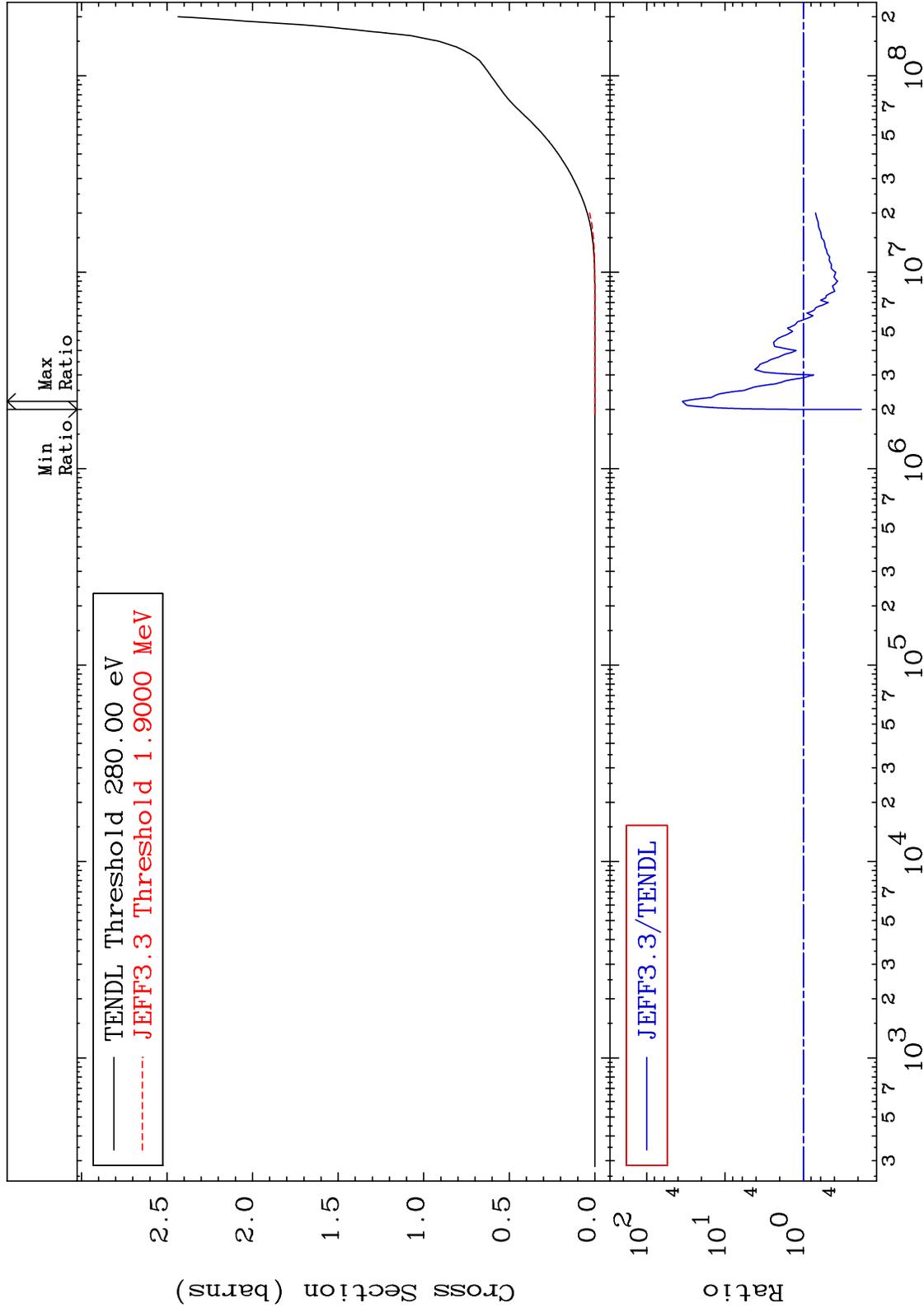




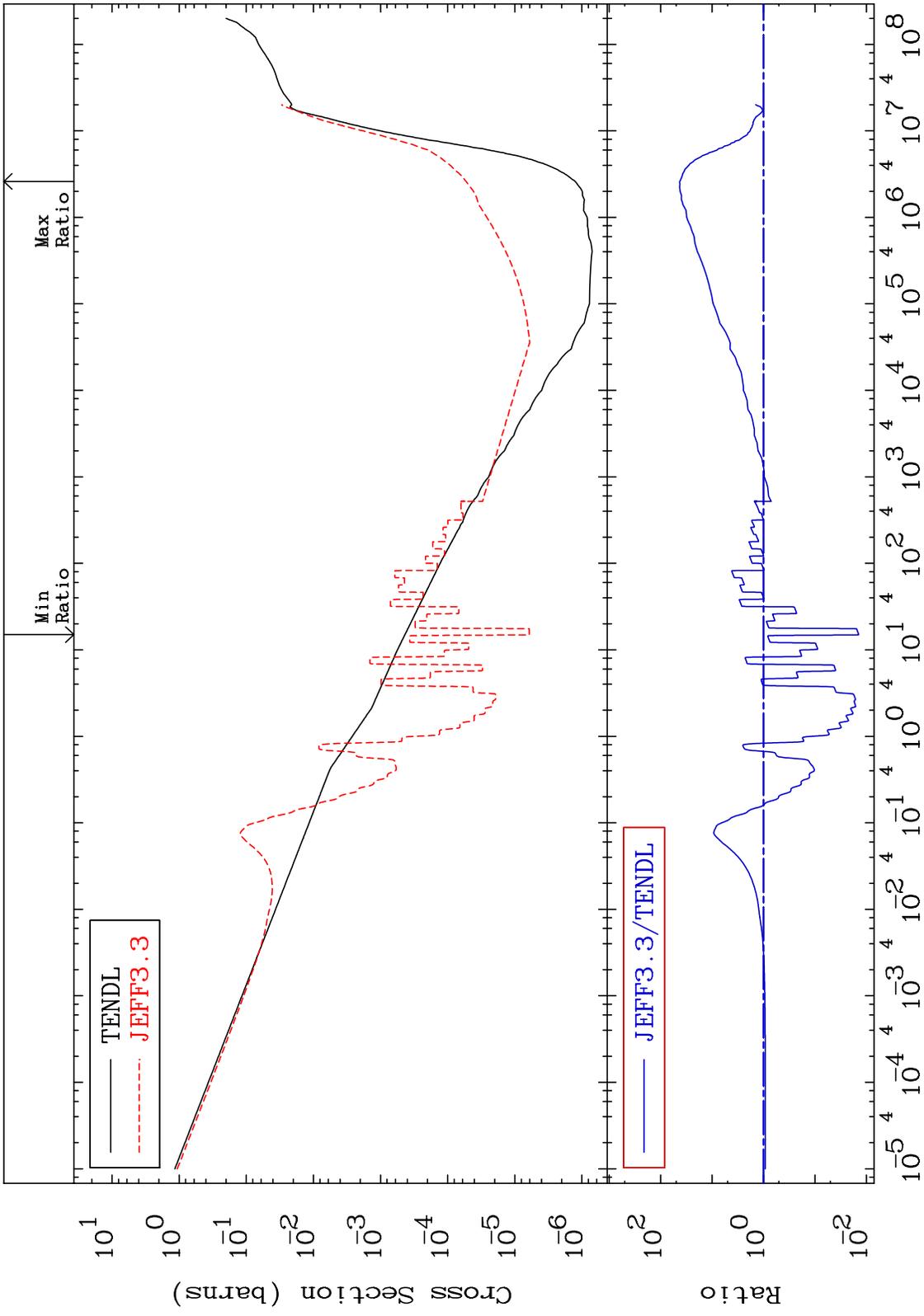
MAT 6240

Hydrogen Production
Cross Section

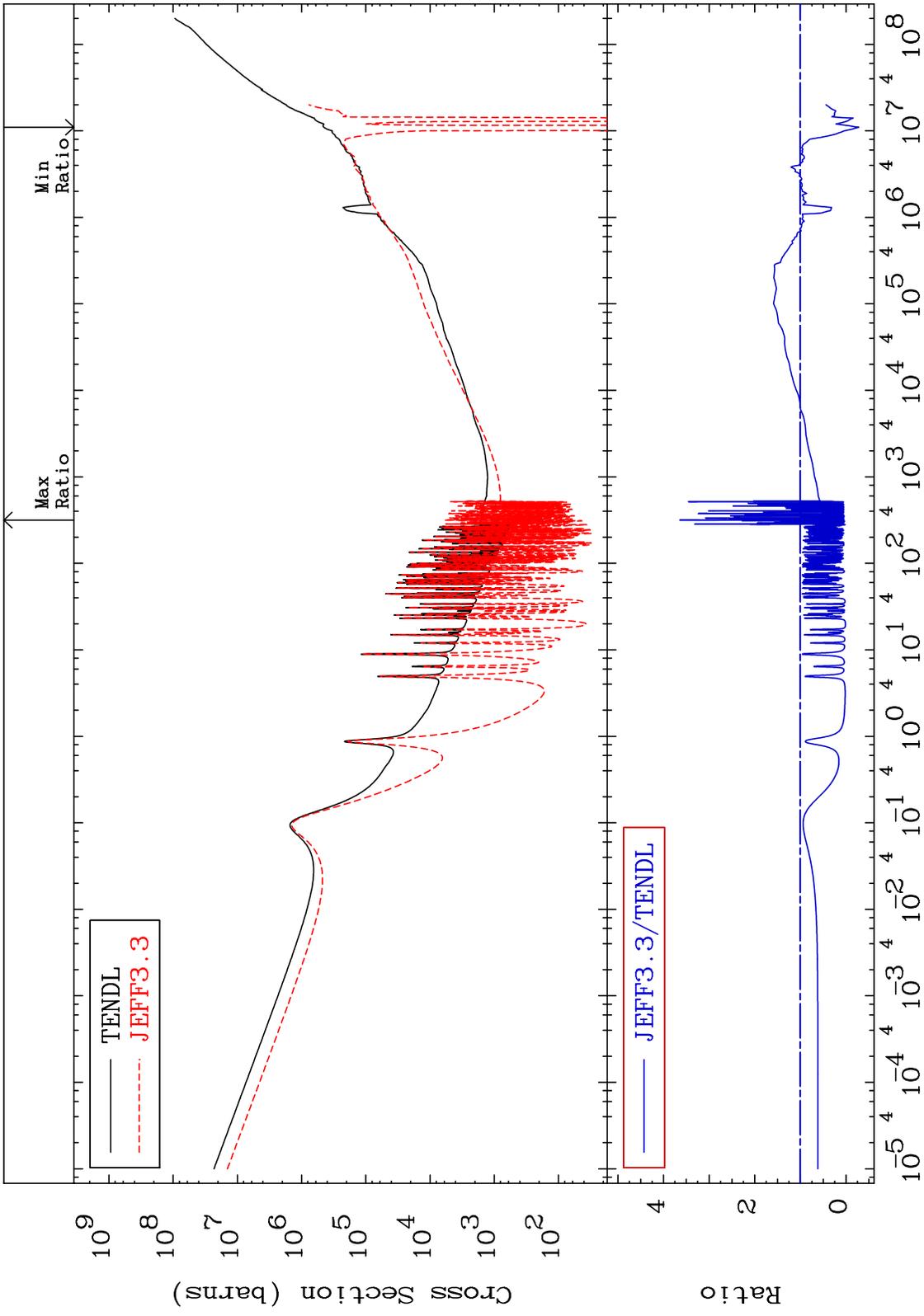
62-Sm-149
-81.87 To 3402. %



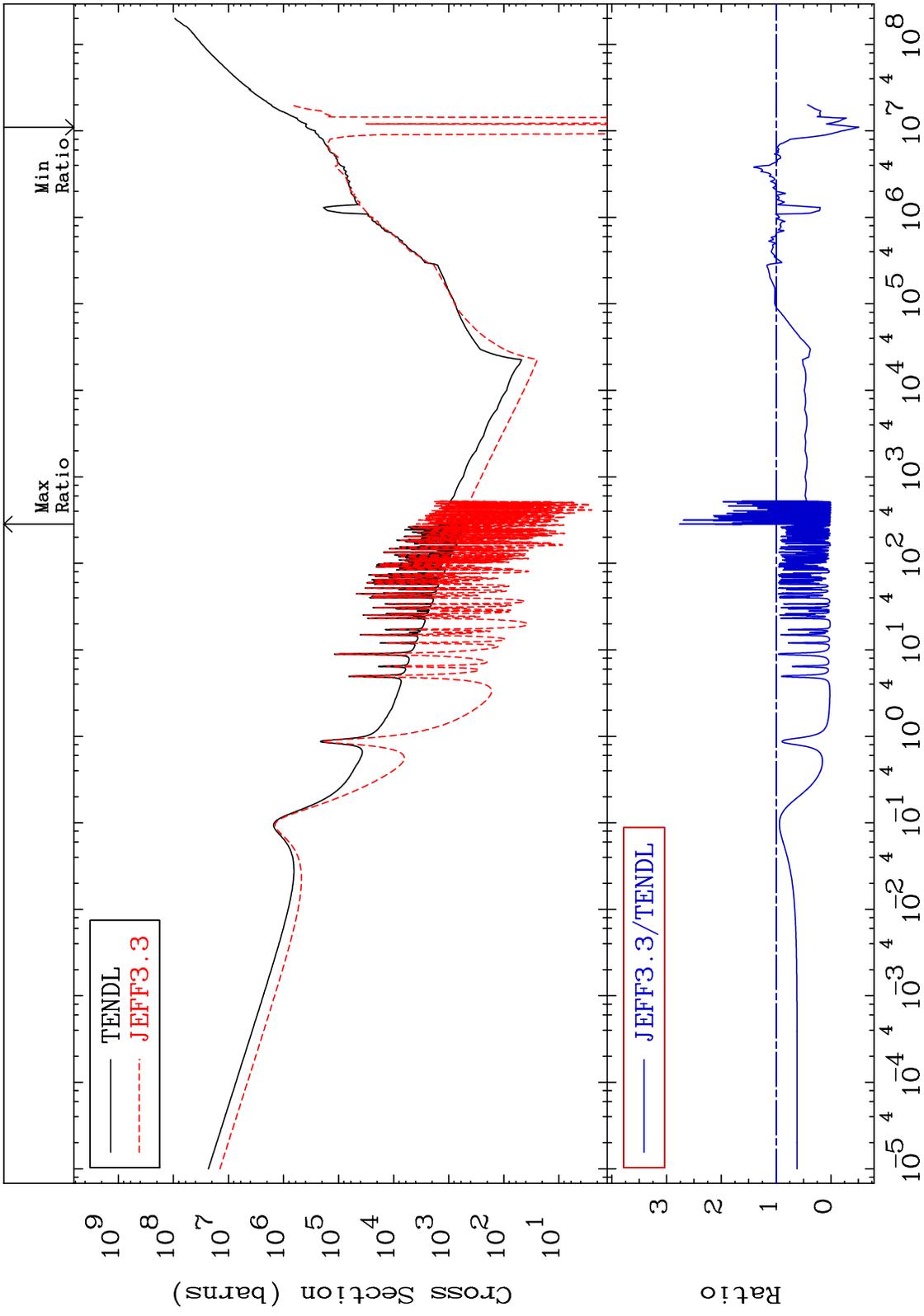
MAT 6240 He-4 Production Cross Section 62-Sm-149 -98.60 To 4147. %



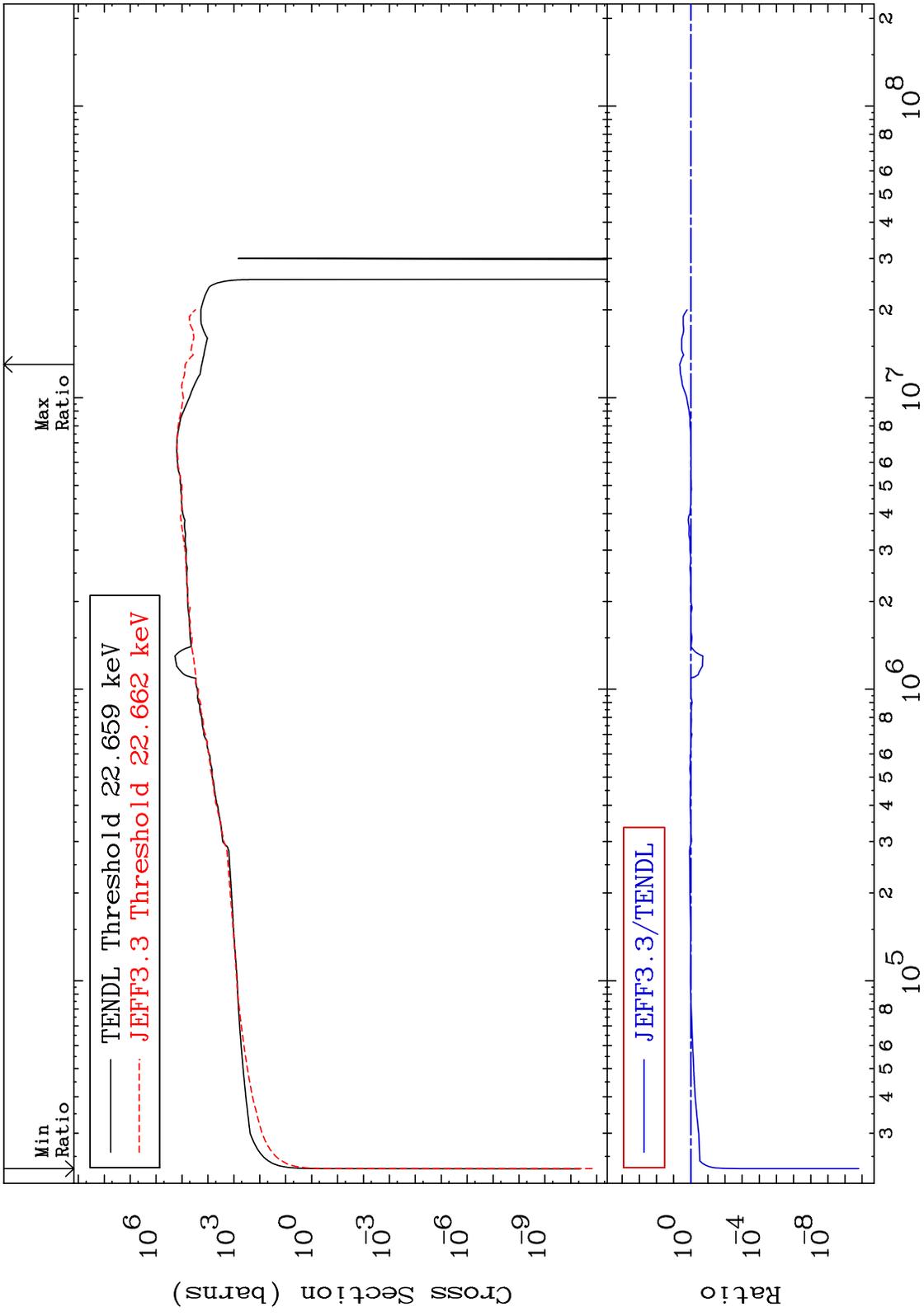
MAT 6240 Kerma total (eV-barns)
 Cross Section 62-Sm-149
 -128.0 To 264.4 %



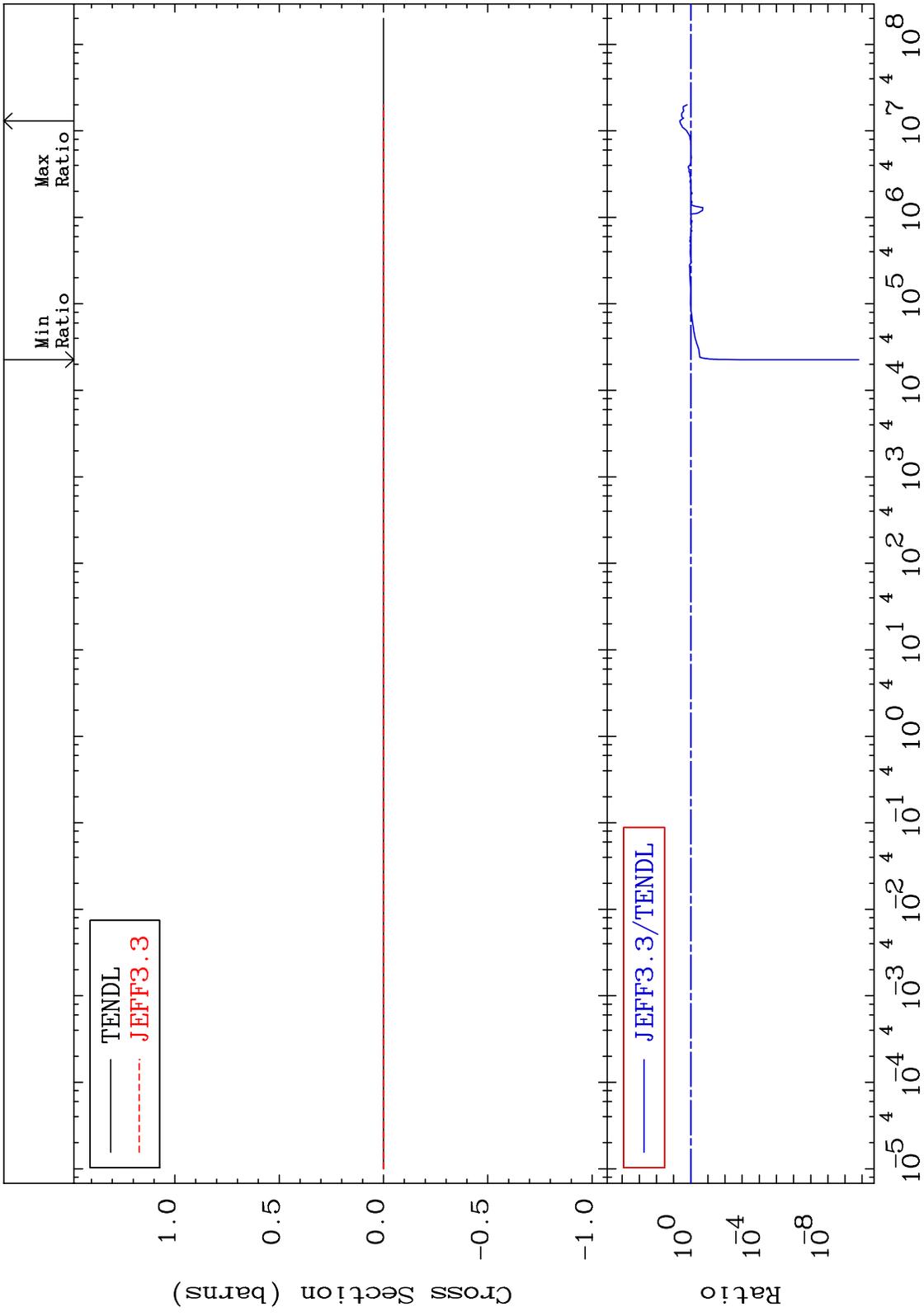
MAT 6240 Kerma non-elastic (all but mt2) 62-Sm-149
 Cross Section -151.0 To 176.0 %



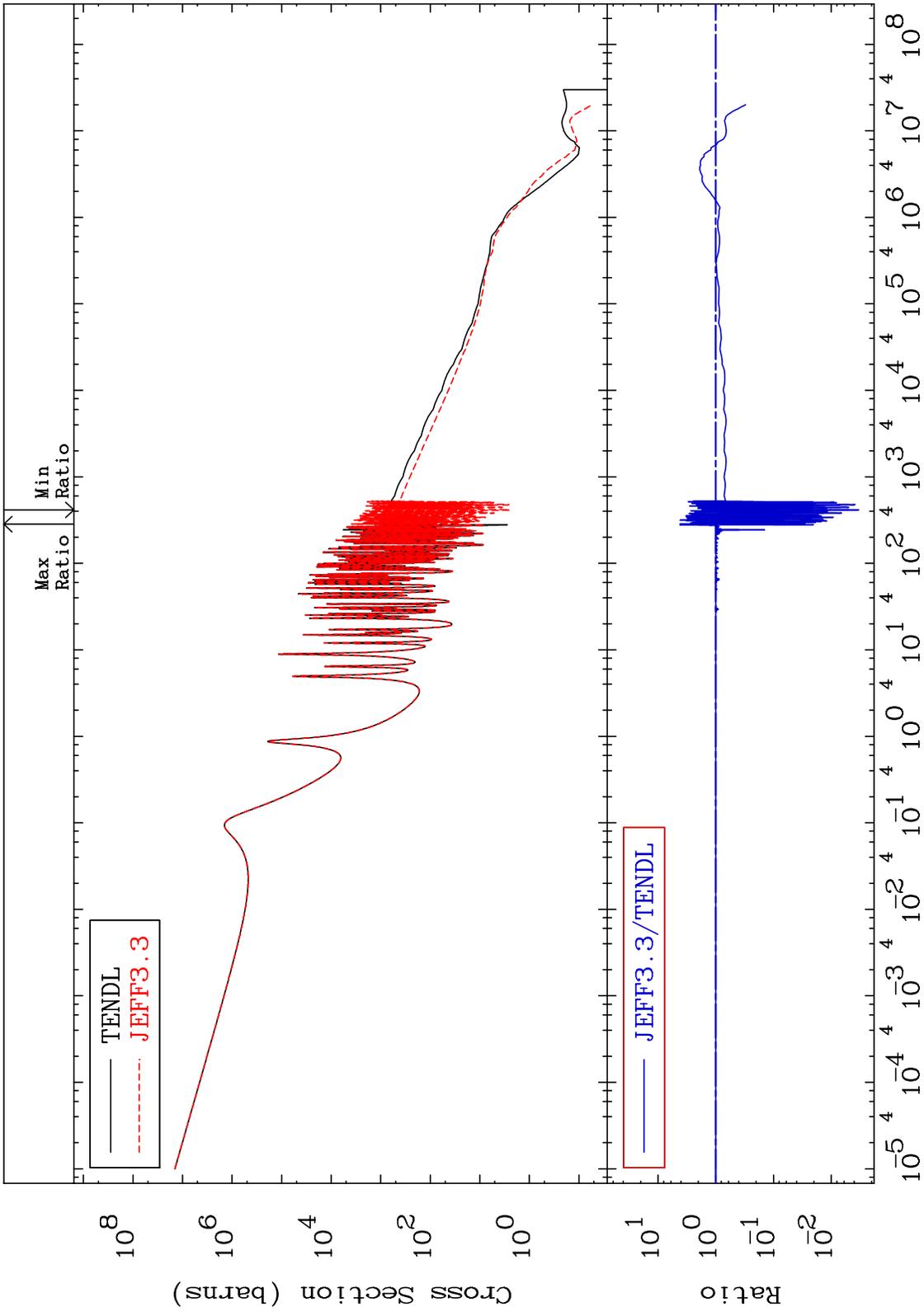
MAT 6240 Kerma inelastic (mt51-91) 62-Sm-149
 Cross Section -100.0 To 337.6 %

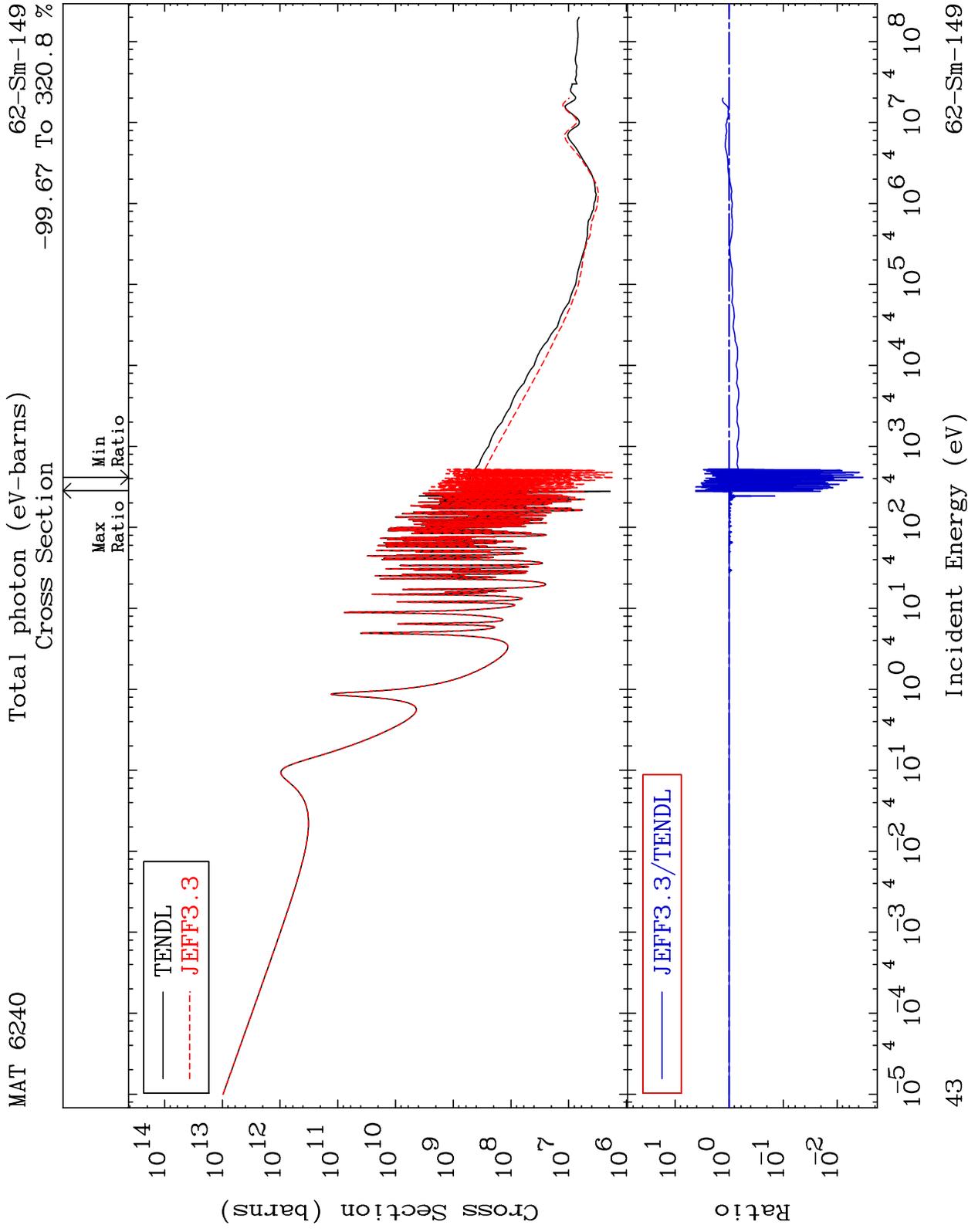


MAT 6240 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-149
 Cross Section -100.0 To 337.6 %

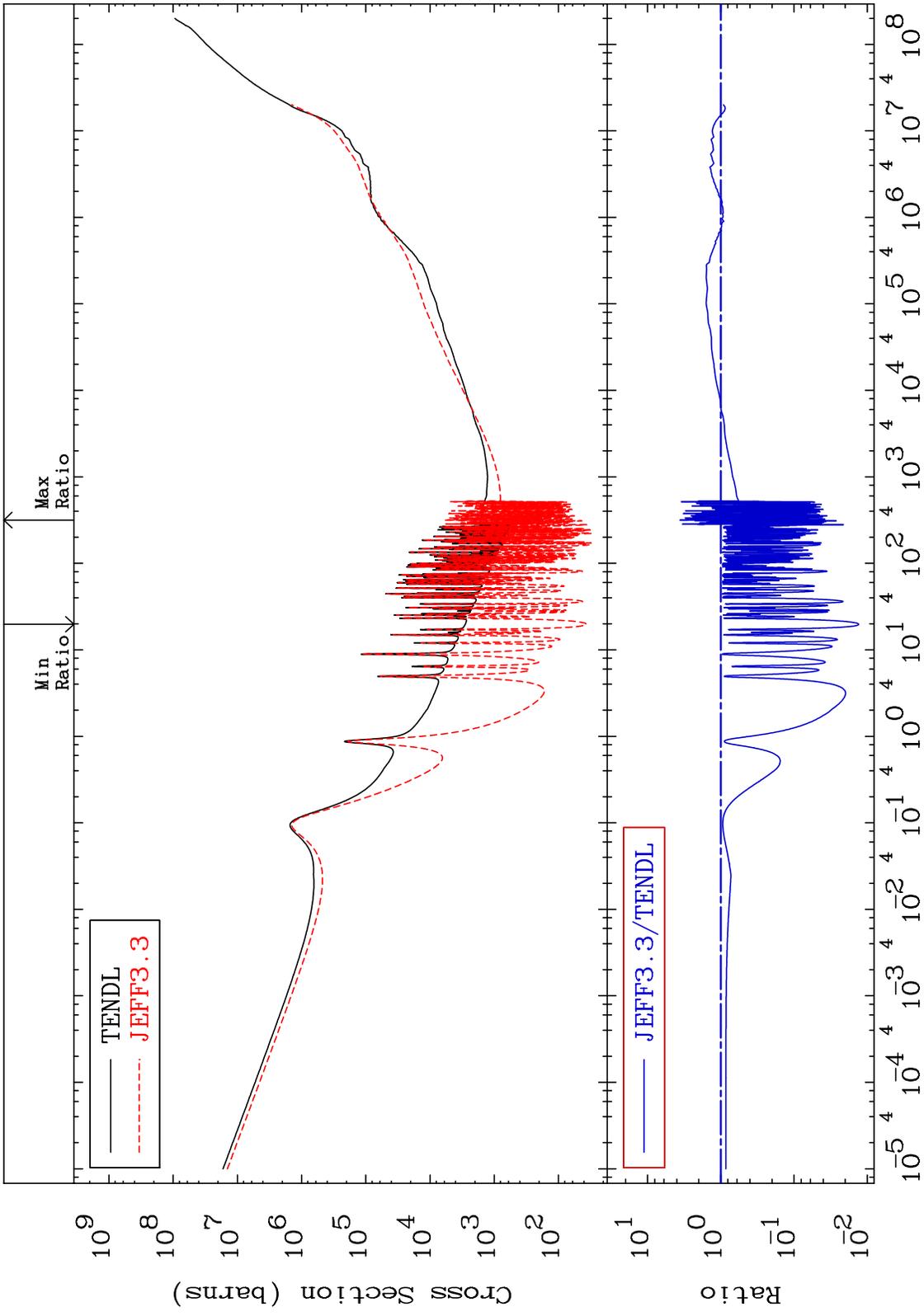


MAT 6240 Kerma capture (mt102) 62-Sm-149
 Cross Section -99.67 To 320.8 %

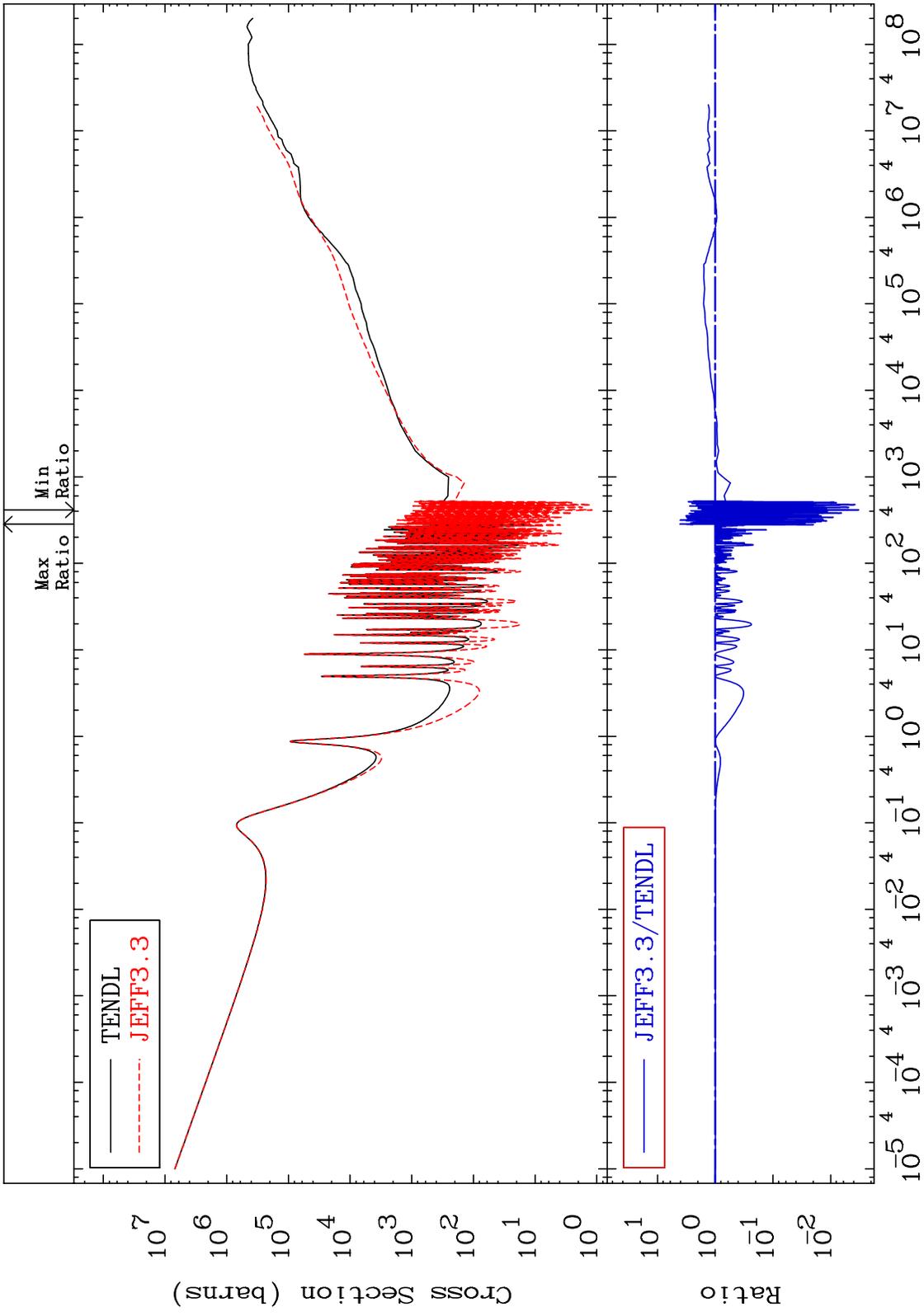




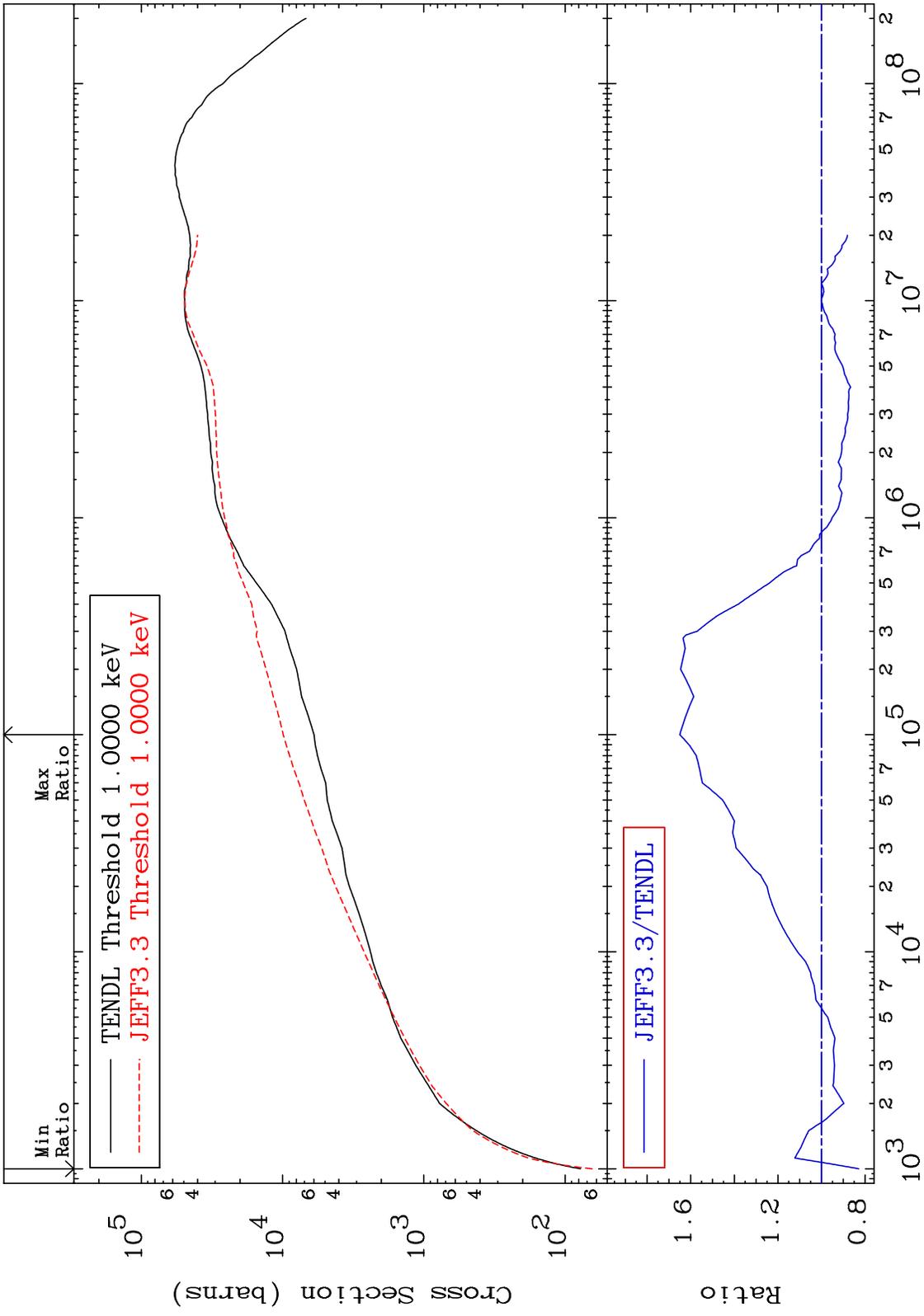
MAT 6240 Total kinematic kerma (high limit) 62-Sm-149
 Cross Section -98.69 To 263.8 %



MAT 6240 Dpa total (eV-barns) 62-Sm-149
 Cross Section -99.67 To 311.5 %

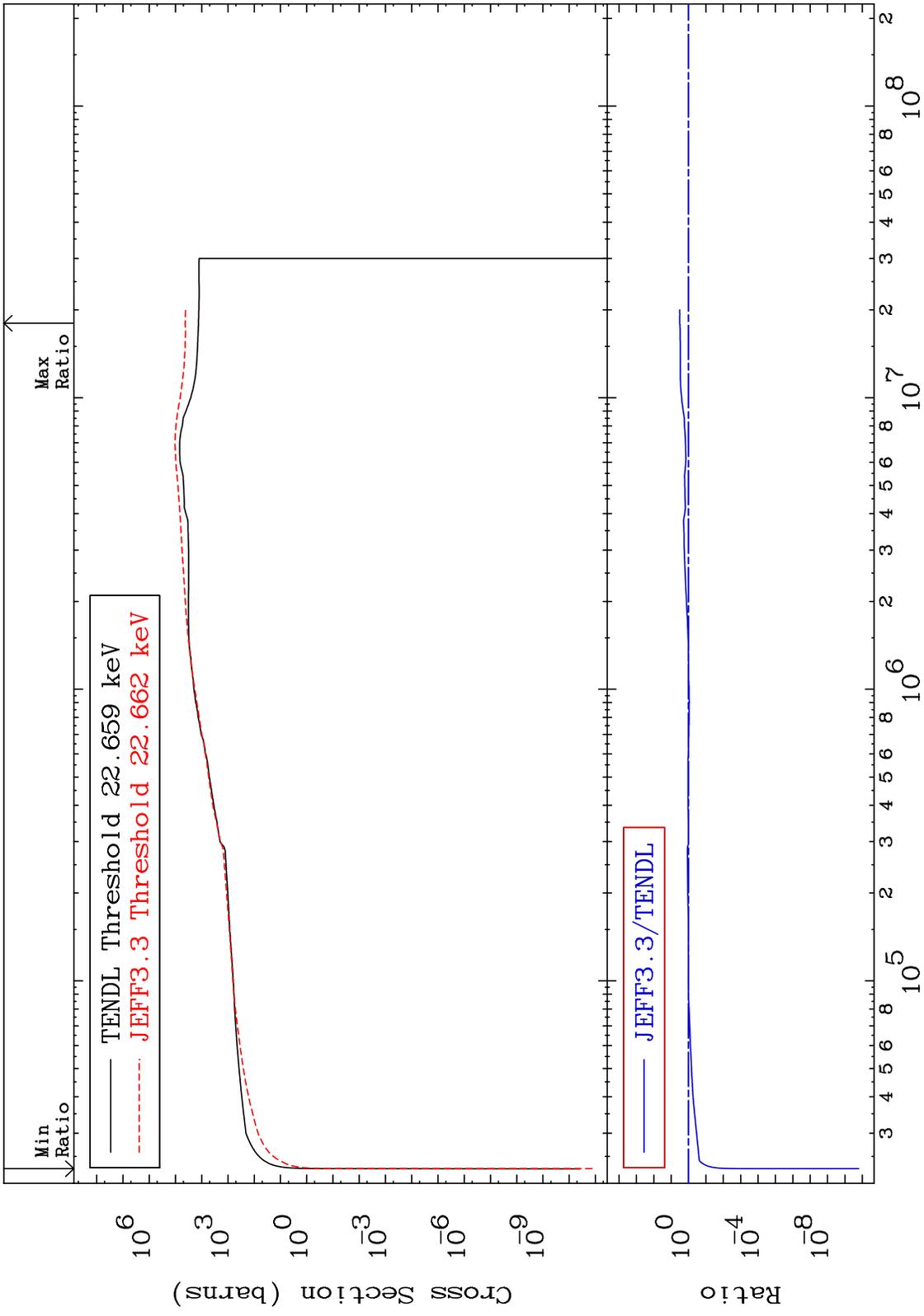


MAT 6240 62-Sm-149 -17.11 To 65.03 %
Dpa elastic (mt2)
Cross Section



46 62-Sm-149

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 -99.67 To 966.7 %

