

Program Complot
(Version 2018-1)

by

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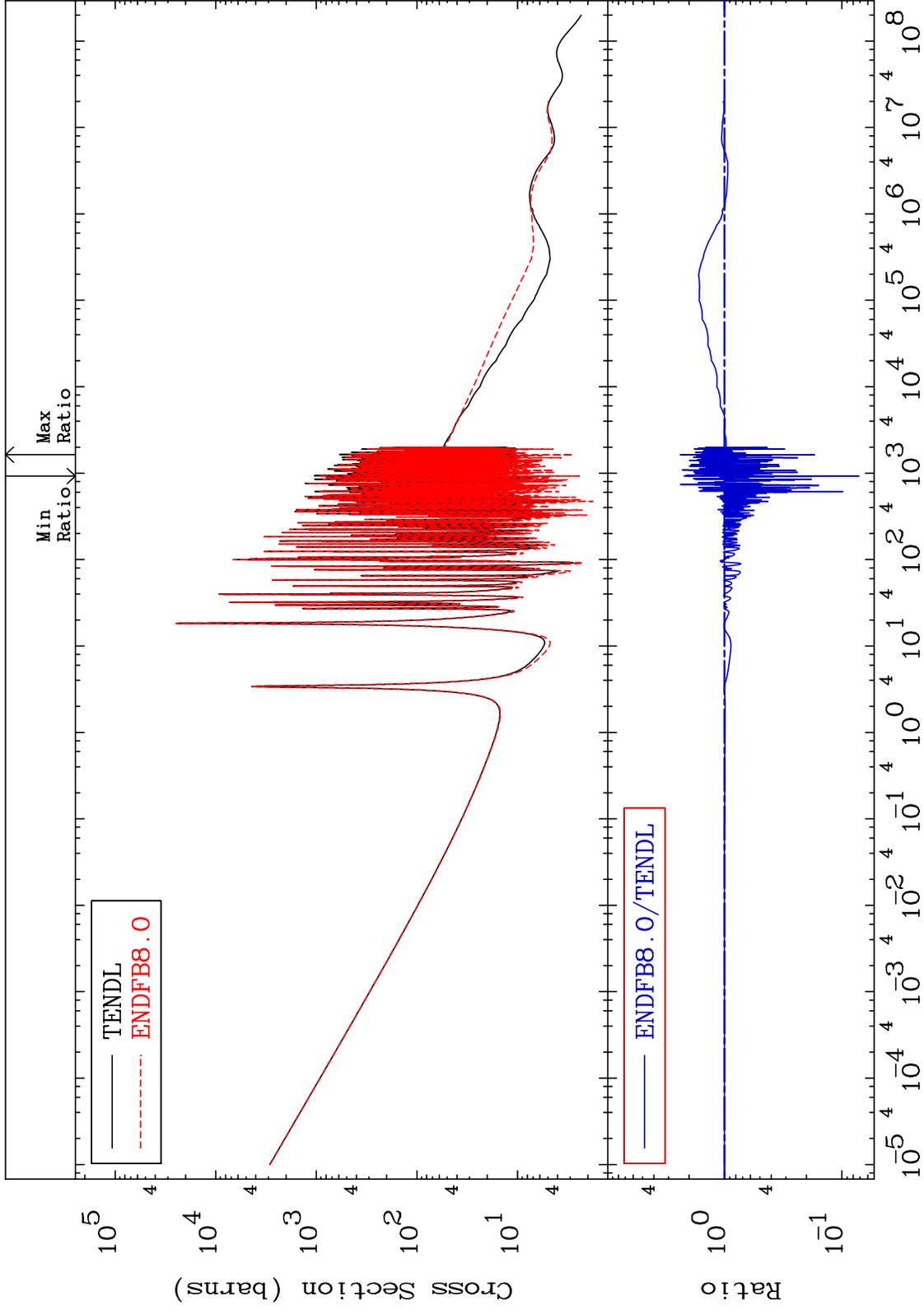
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6234

Total
Cross Section

62-Sm-147
-92.86 To 138.4 %

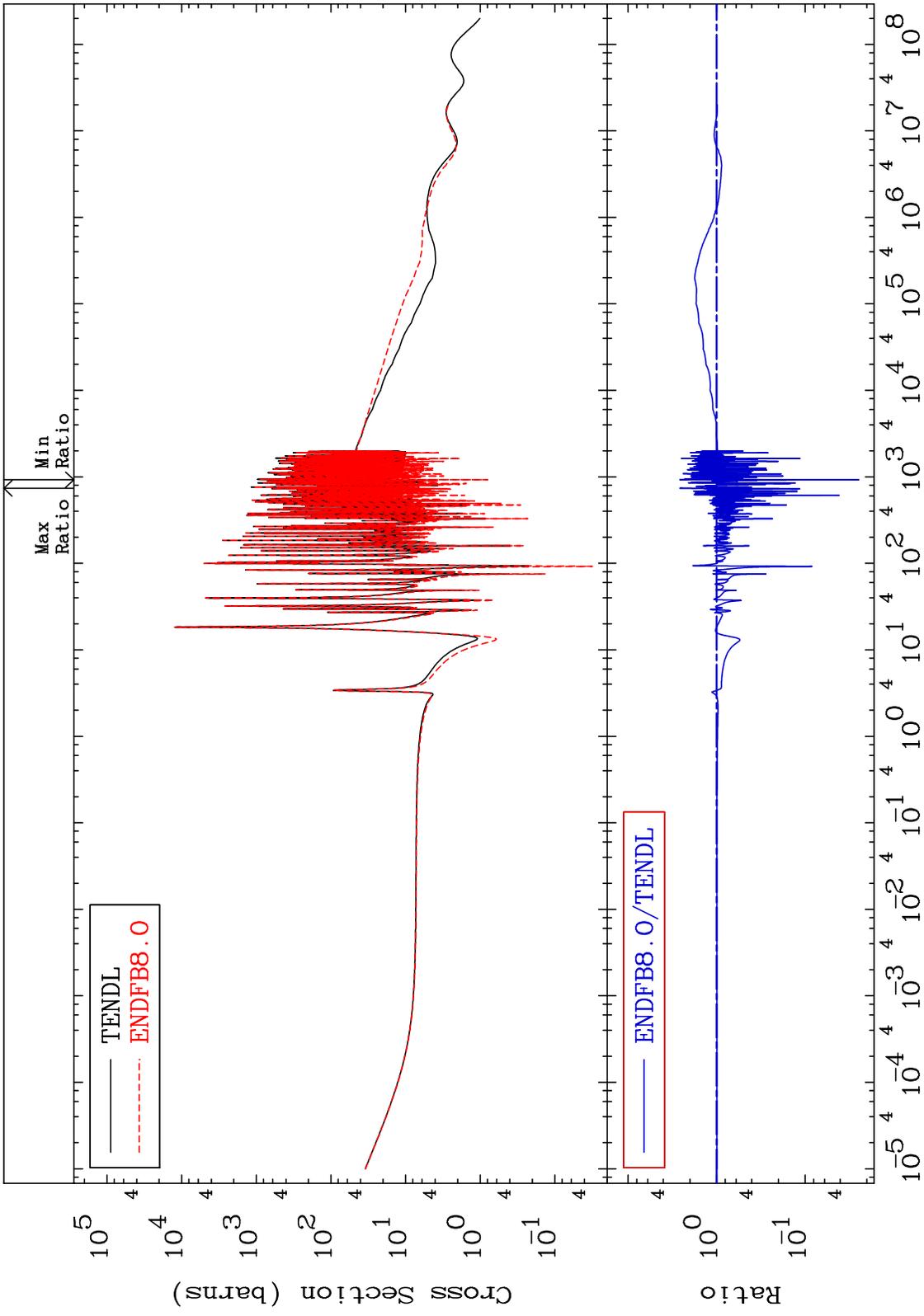


1

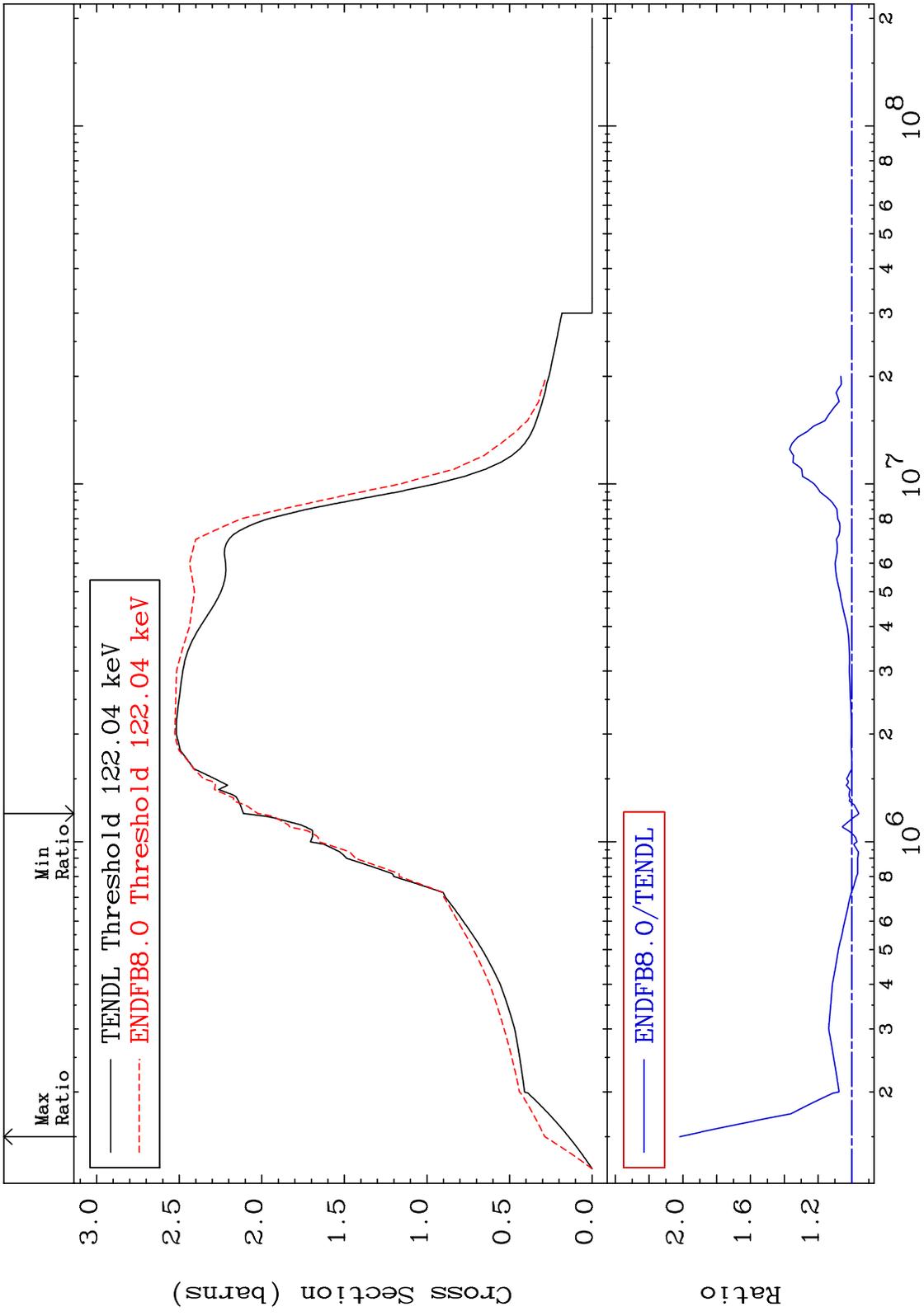
Incident Energy (eV)

62-Sm-147

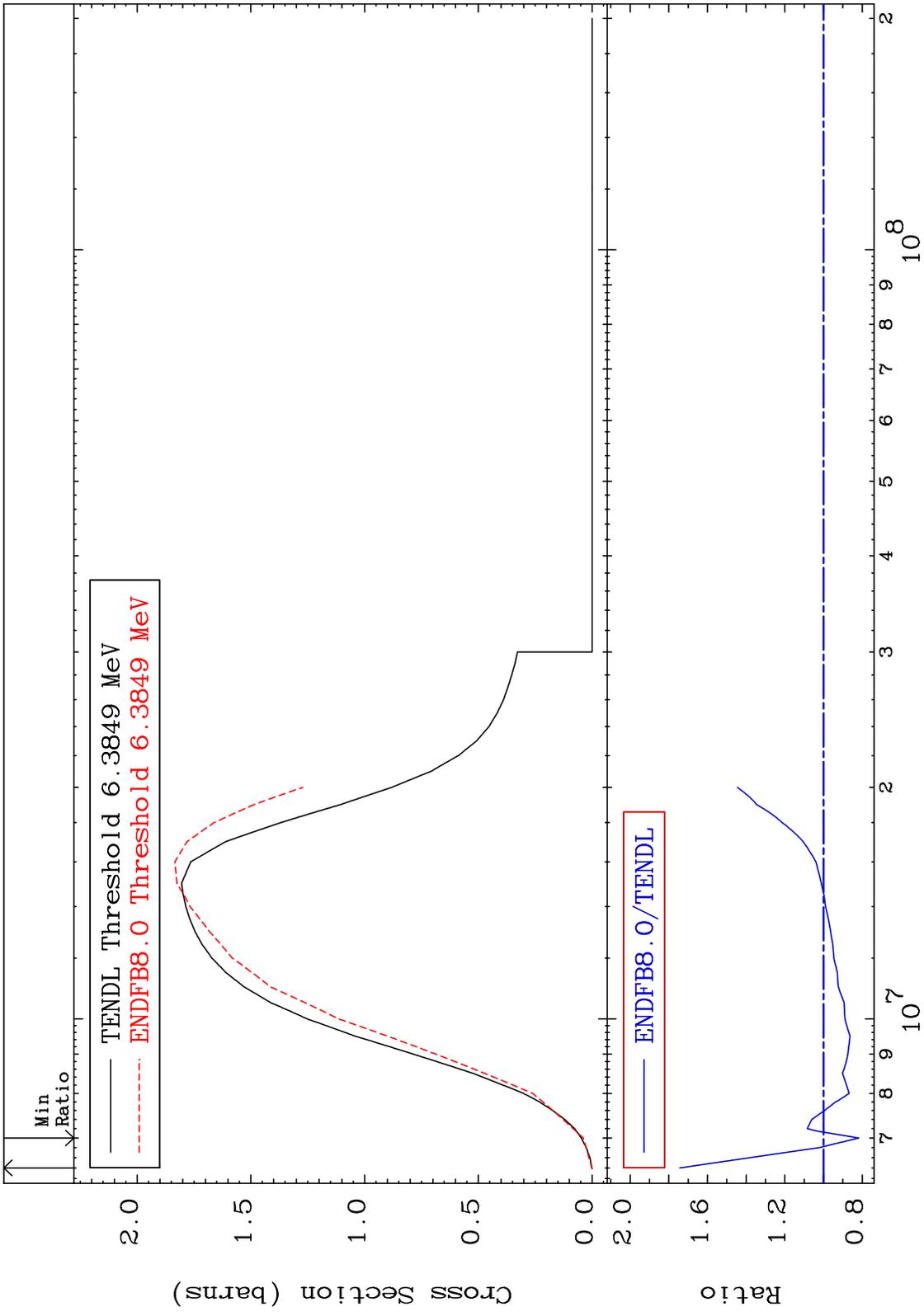
MAT 6234 Elastic Cross Section 62-Sm-147 -97.53 To 160.8 %



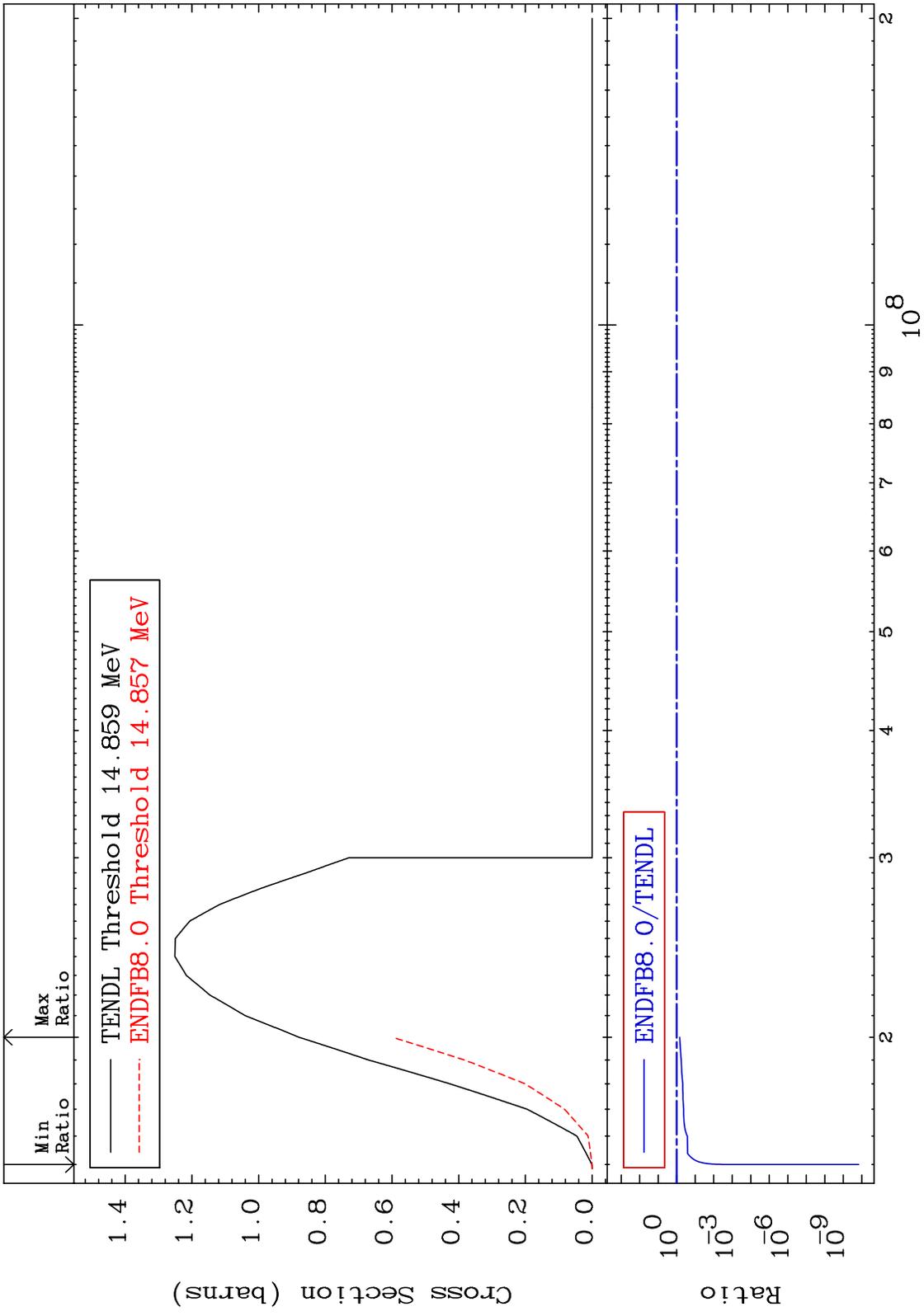
MAT 6234 Inelastic Cross Section 62-Sm-147 -4.110 To 101.9 %



MAT 6234 (n,2n) Cross Section 62-Sm-147 -18.24 To 74.36 %



MAT 6234 (n,3n) Cross Section 62-Sm-147 -100.0 To -31.82%



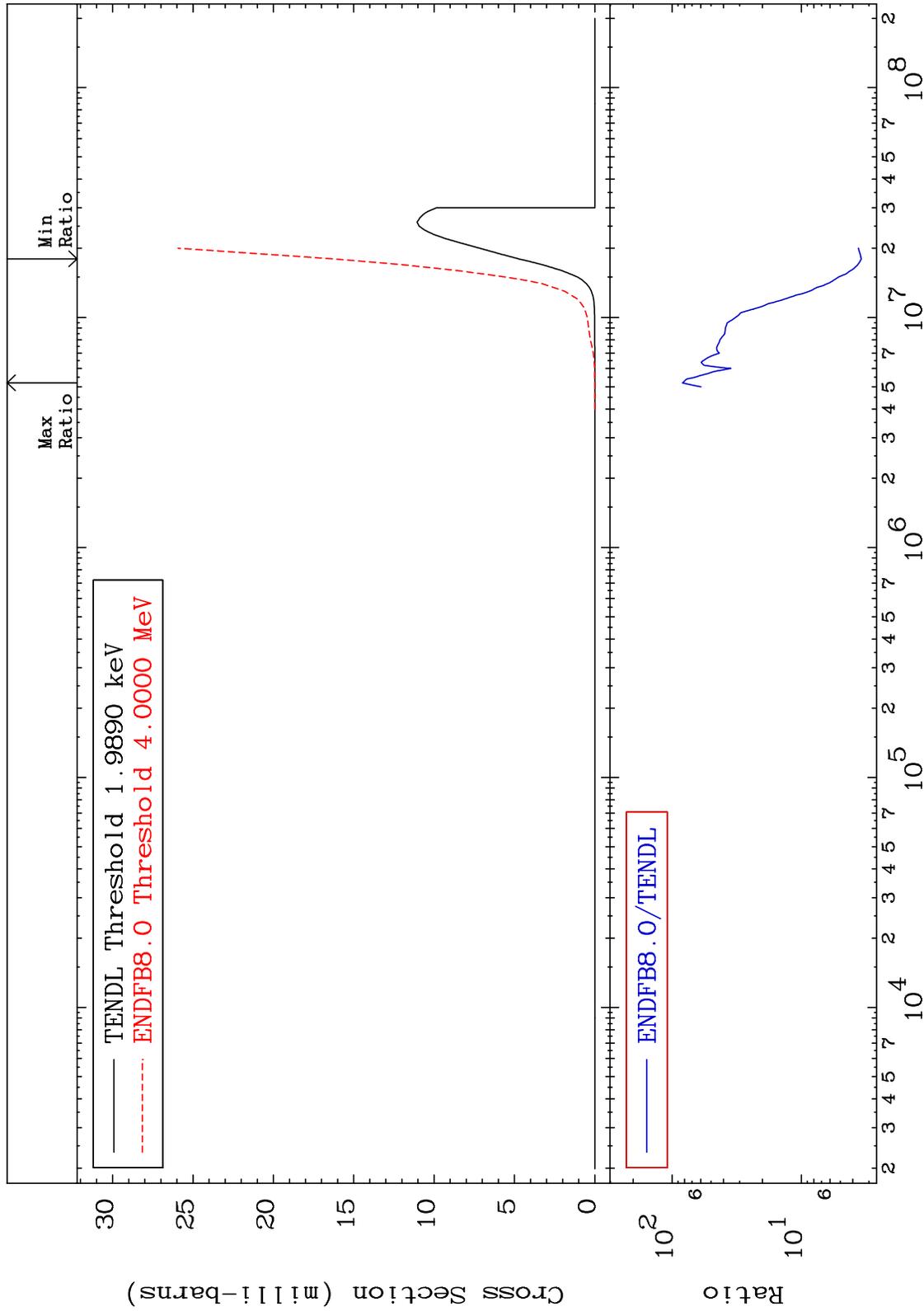
MAT 6234

(n, n') α

62-Sm-147

Cross Section

243.9 To 8211. %

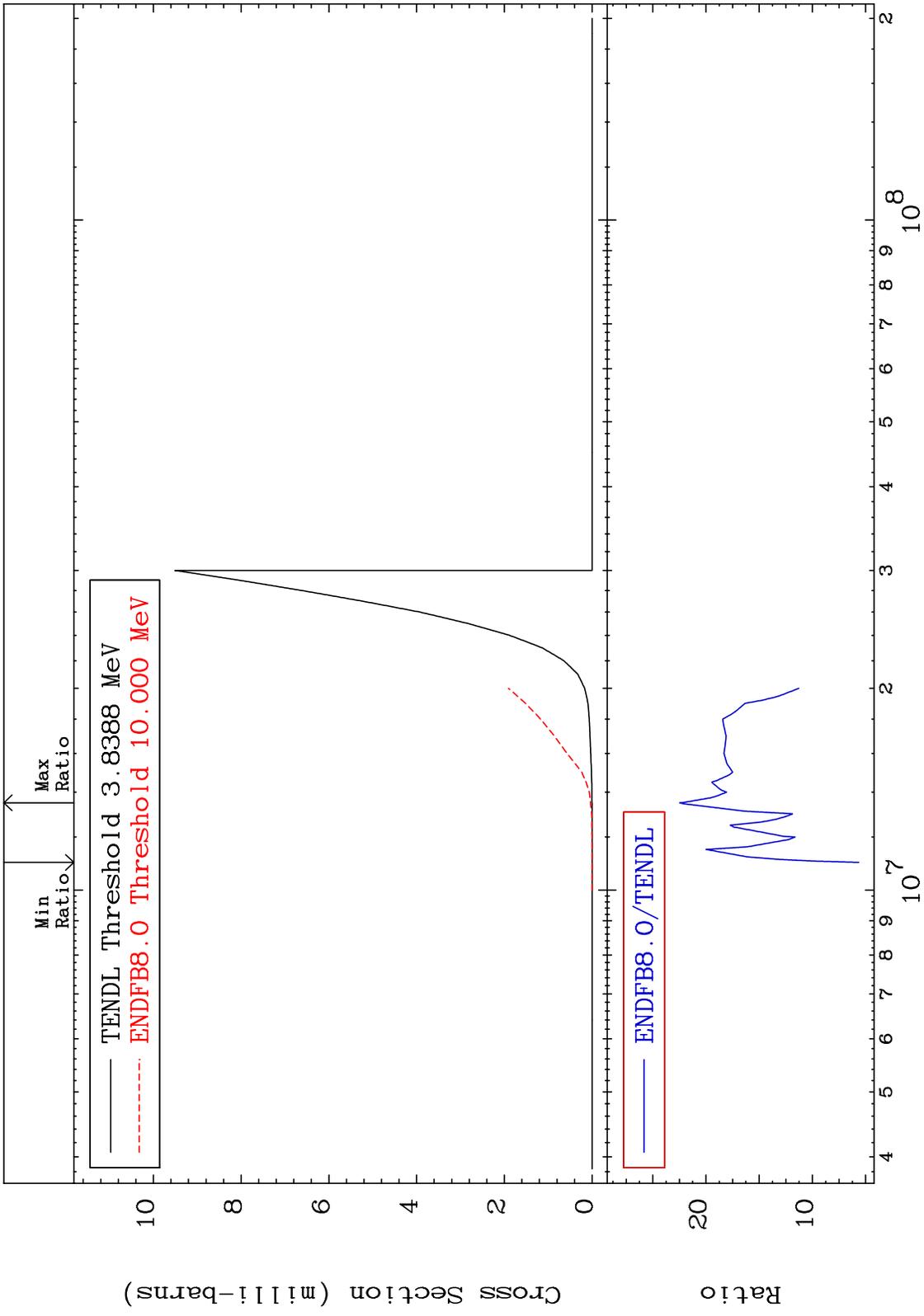


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Incident Energy (eV)

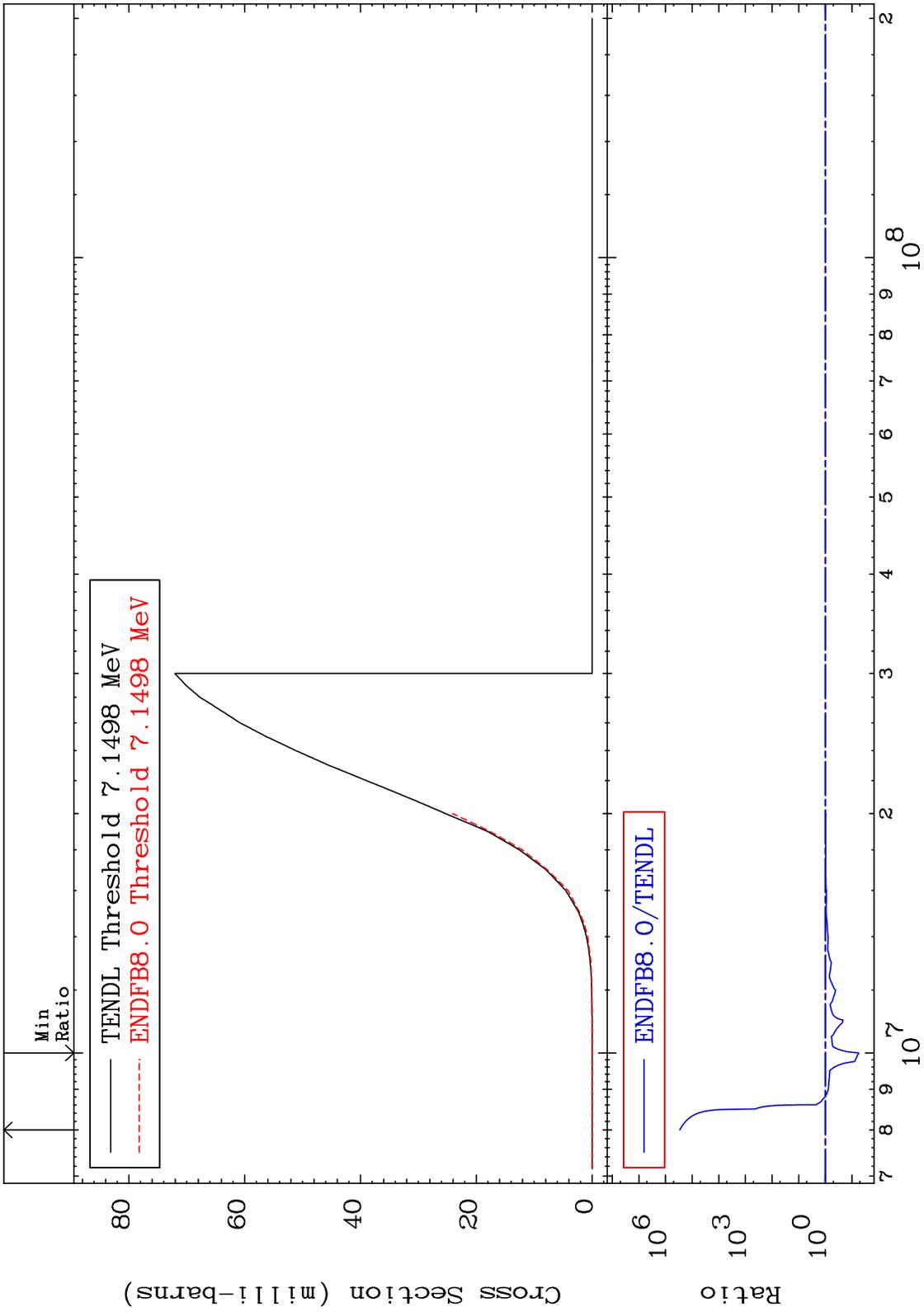
62-Sm-147

MAT 6234 $(n, 2n) \alpha$ 62-Sm-147
 Cross Section 463.9 To 2146. %

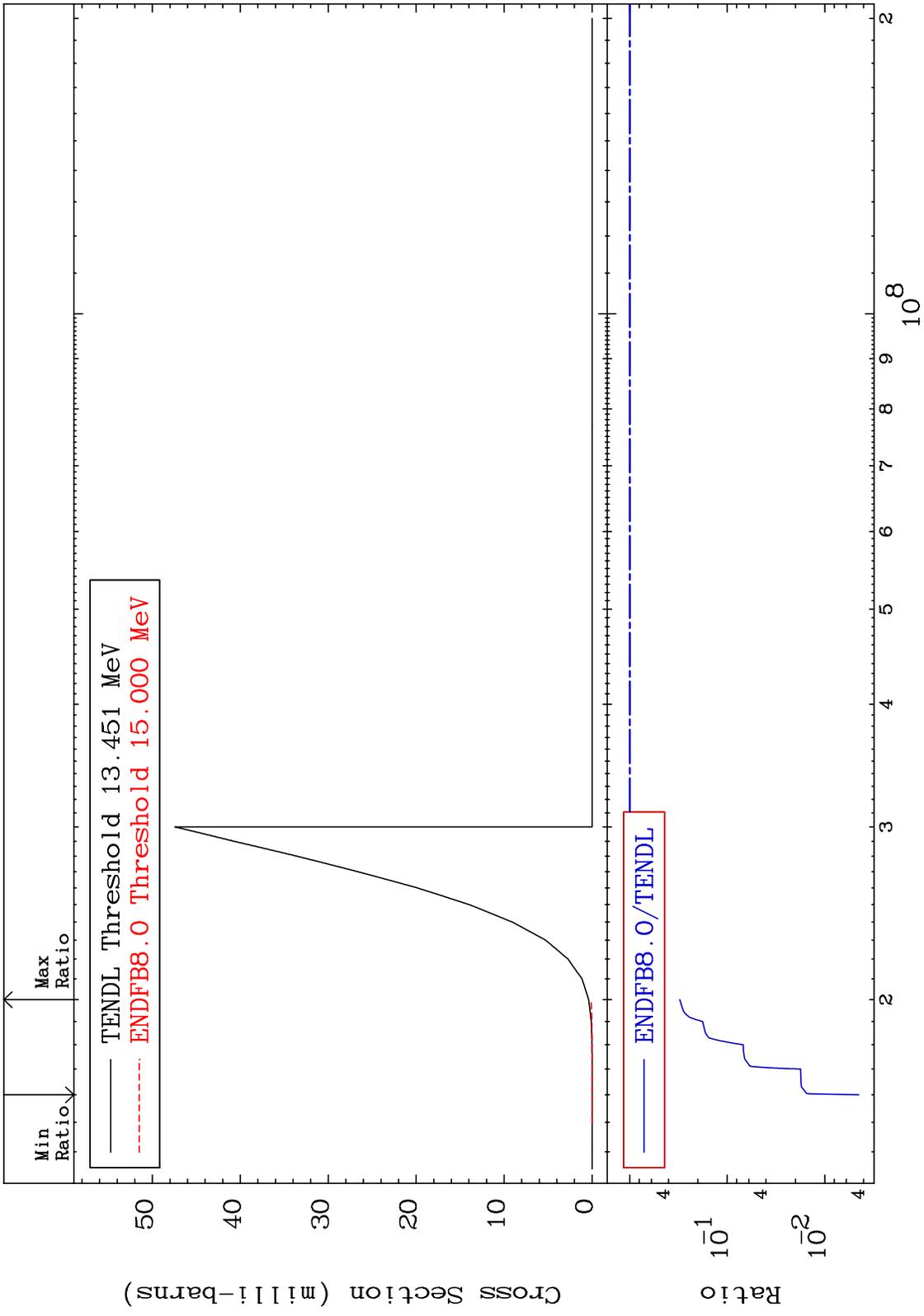


7 6 5 4 3 2 1 0 10⁷ 10⁸ 62-Sm-147

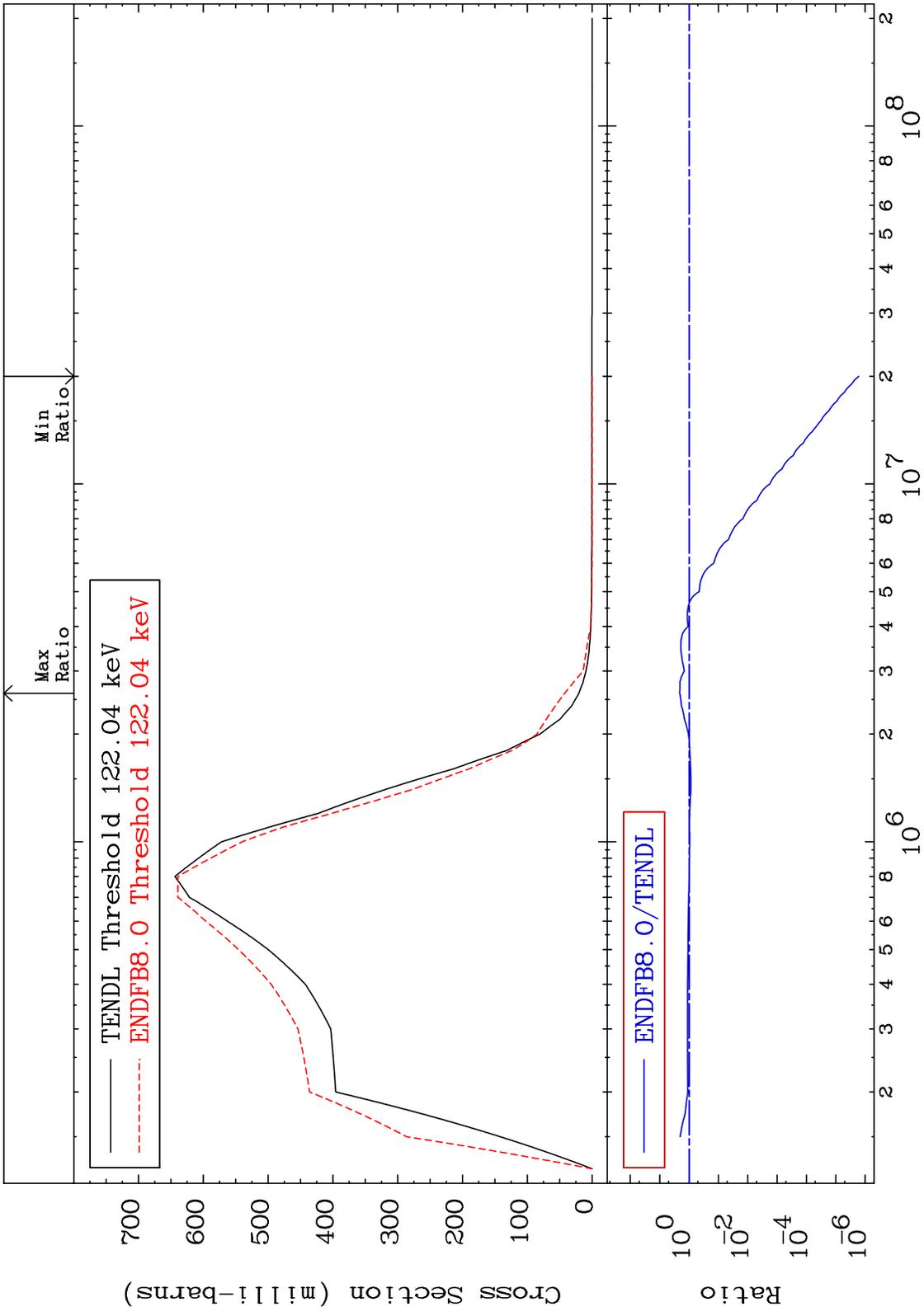
MAT 6234 (n,n') p 62-Sm-147
Cross Section -94.49 To 9999. %



8 Incident Energy (eV) 62-Sm-147

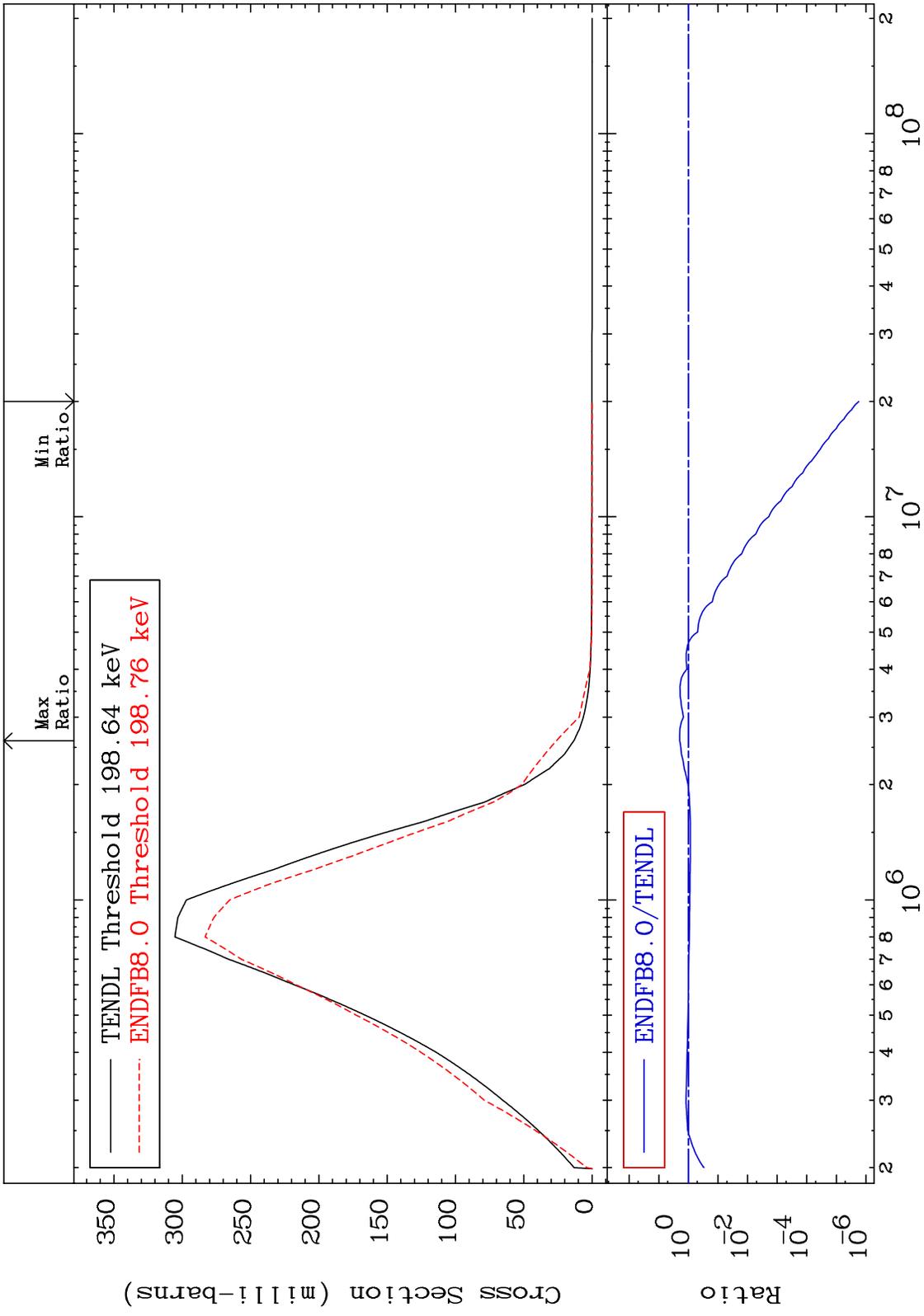


MAT 6234 MT= 51 (n,n') Level Cross Section 62-Sm-147
 -100.0 To 106.9 %

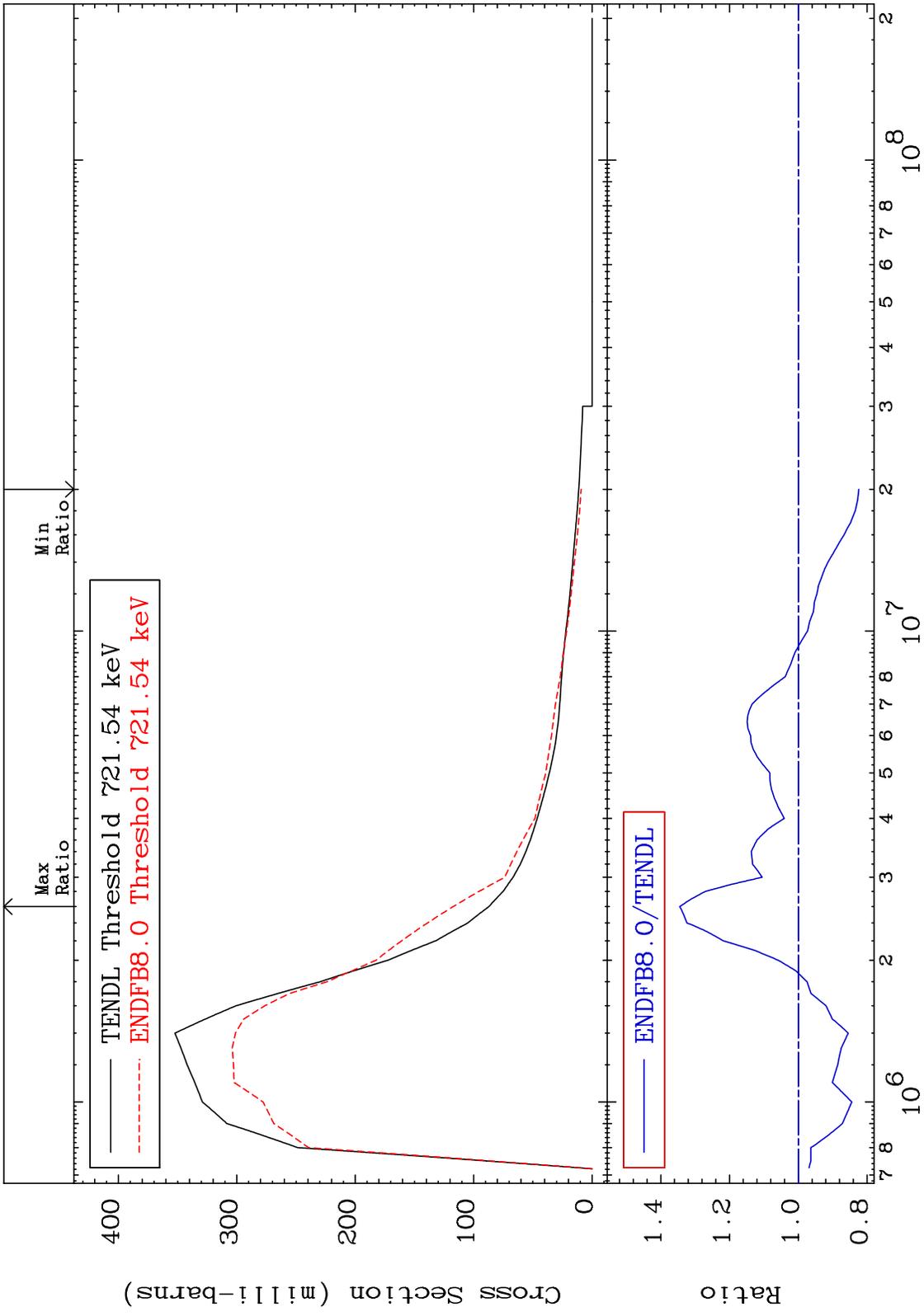


10 Incident Energy (eV) 62-Sm-147

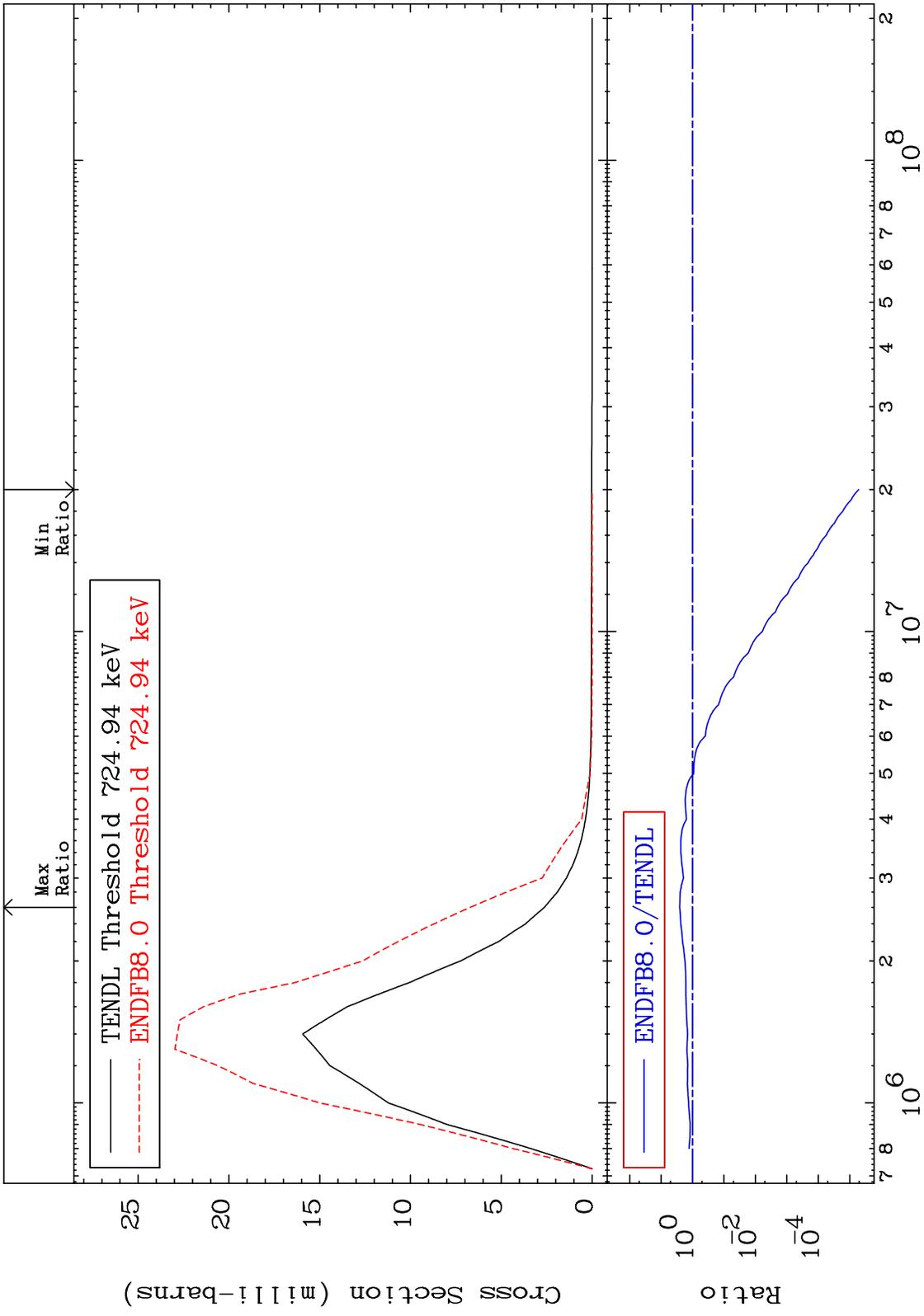
MAT 6234 MT= 52 (n,n') Level Cross Section 62-Sm-147 -100.0 To 95.90 %



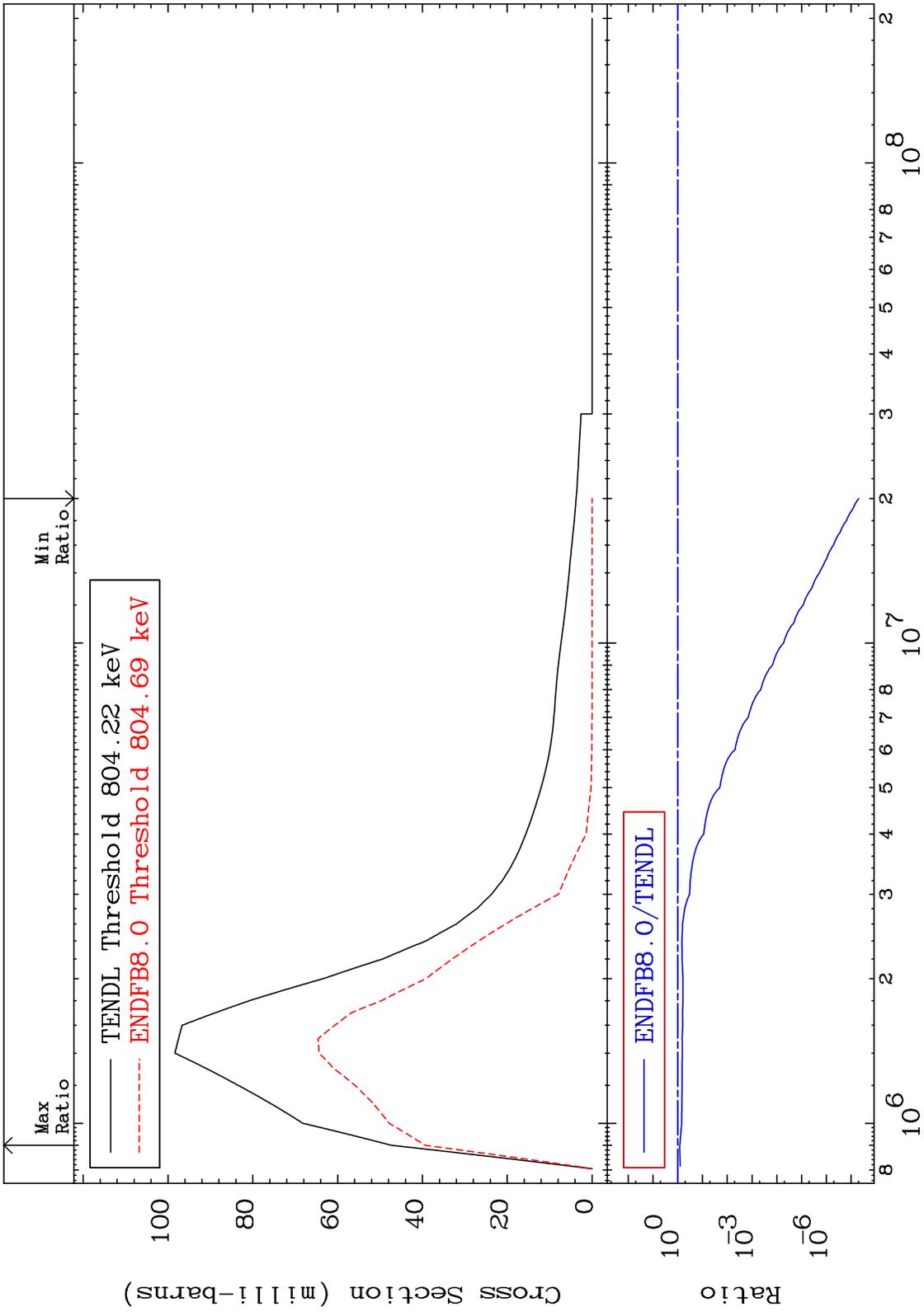
MAT 6234 MT= 53 (n,n') Level Cross Section 62-Sm-147
 -17.61 To 34.48 %



MAT 6234 MT= 54 (n,n') Level Cross Section 62-Sm-147 -100.0 To 155.5 %

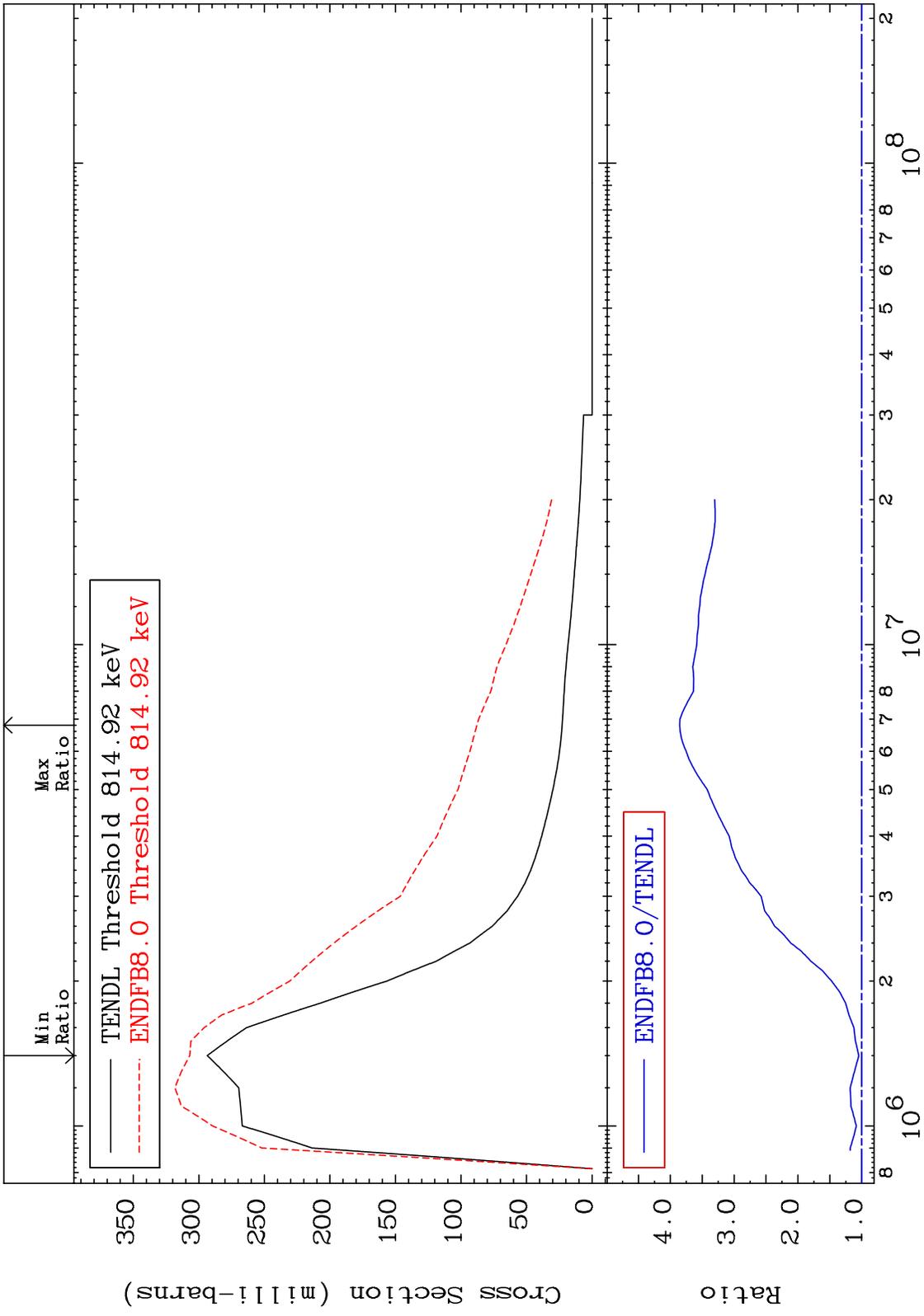


MAT 6234 MT= 55 (n,n') Level Cross Section 62-Sm-147 -100.0 To -16.81%



14 62-Sm-147

MAT 6234 MT= 56 (n,n') Level Cross Section 62-Sm-147 4.544 To 285.3 %

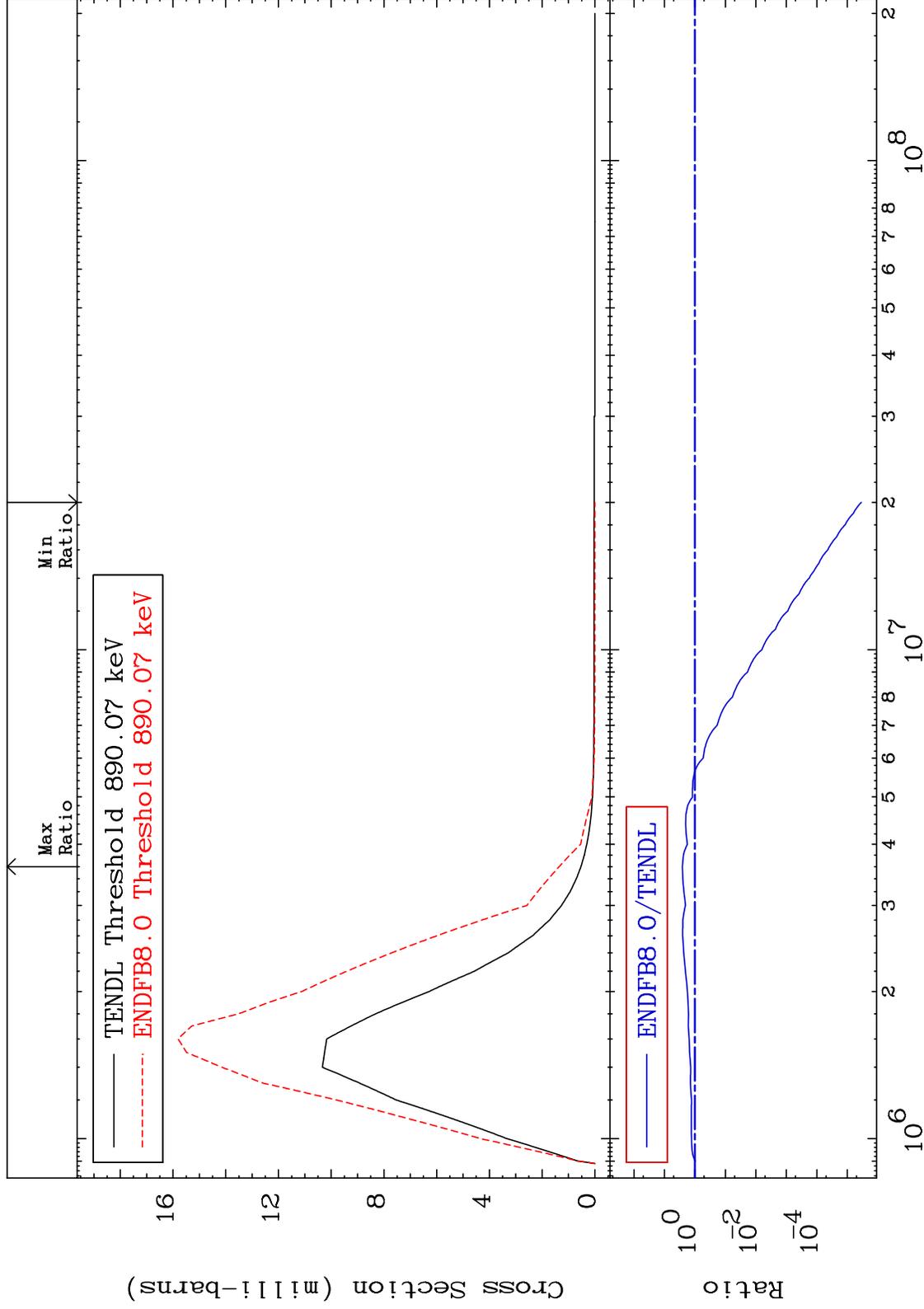


15 Incident Energy (eV) 62-Sm-147

MAT 6234

MT= 57 (n,n') Level
Cross Section

62-Sm-147
-100.0 To 157.3 %

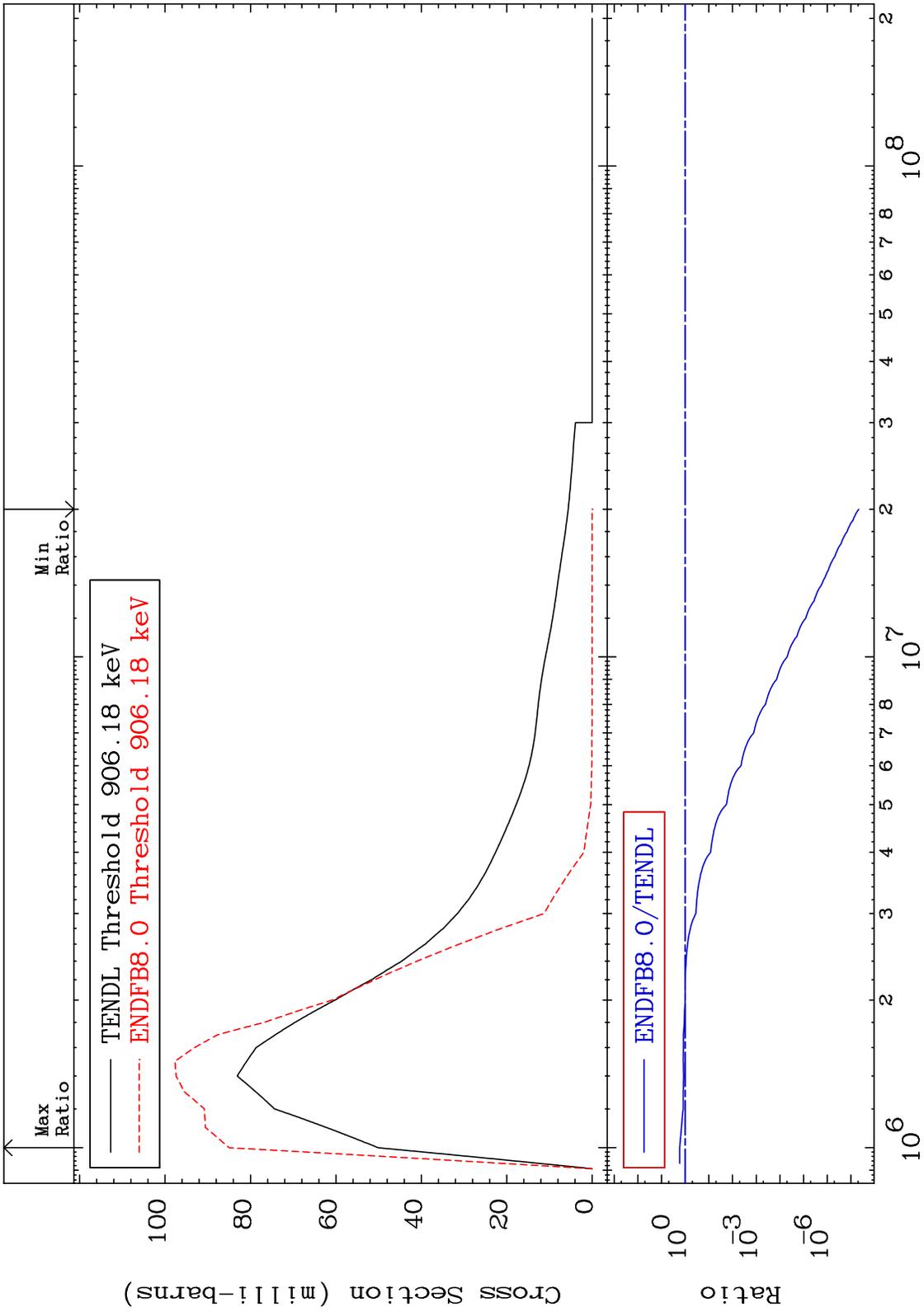


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62-Sm-147

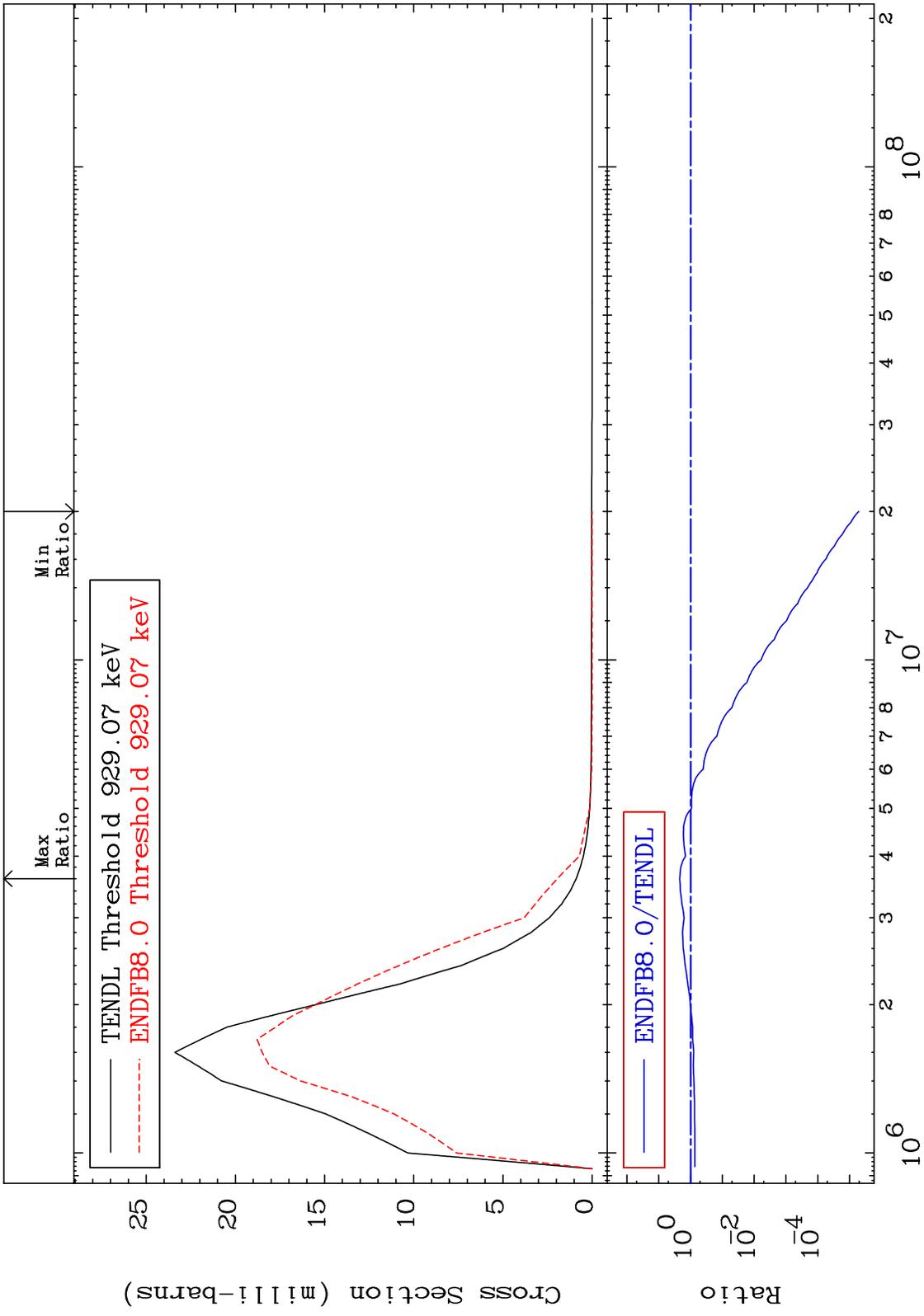
62-Sm-147

MAT 6234 MT= 58 (n,n') Level Cross Section 62-Sm-147 -100.0 To 69.60 %



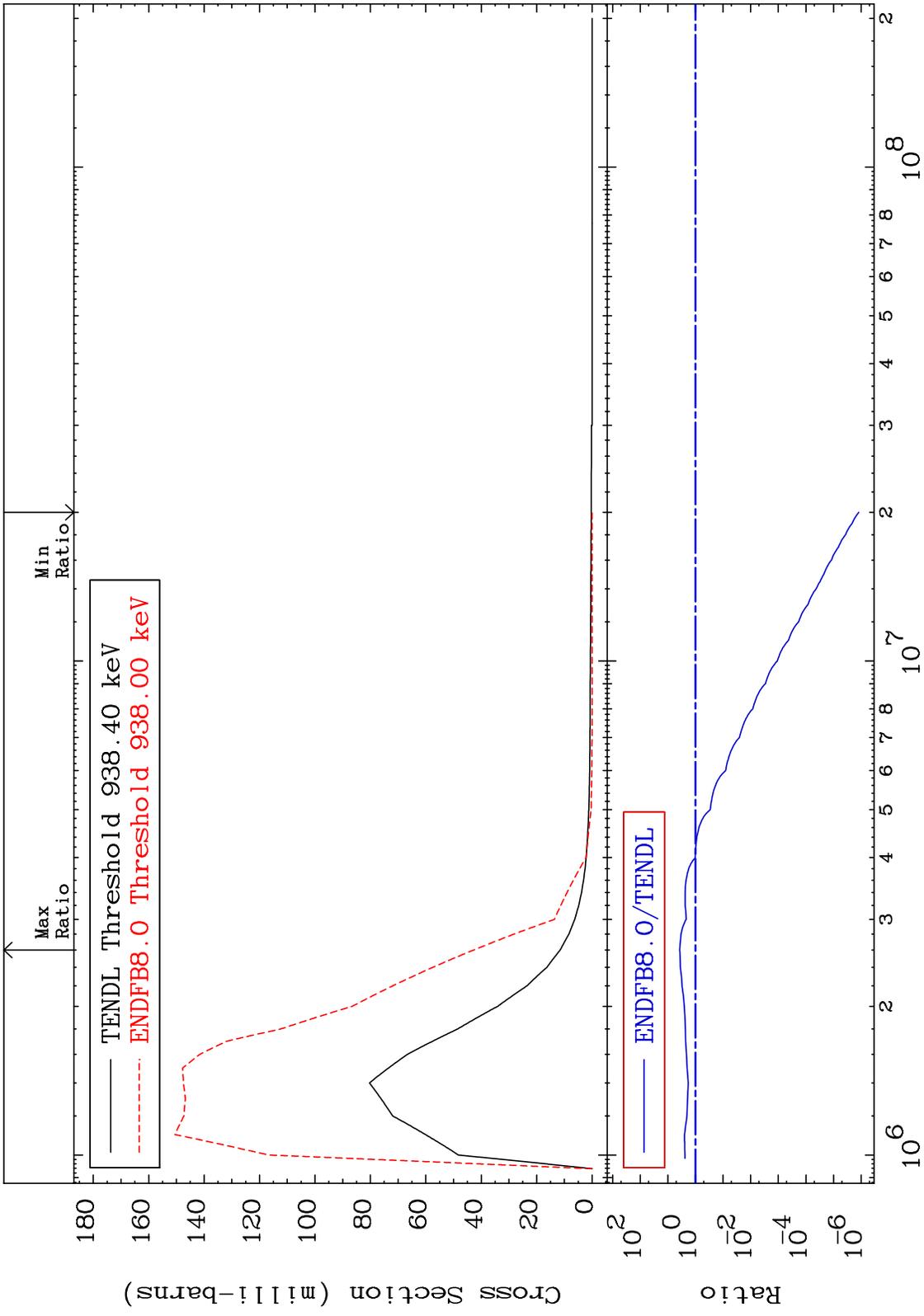
17 Incident Energy (eV) 62-Sm-147

MAT 6234 MT= 59 (n,n') Level Cross Section 62-Sm-147 -100.0 To 118.2 %



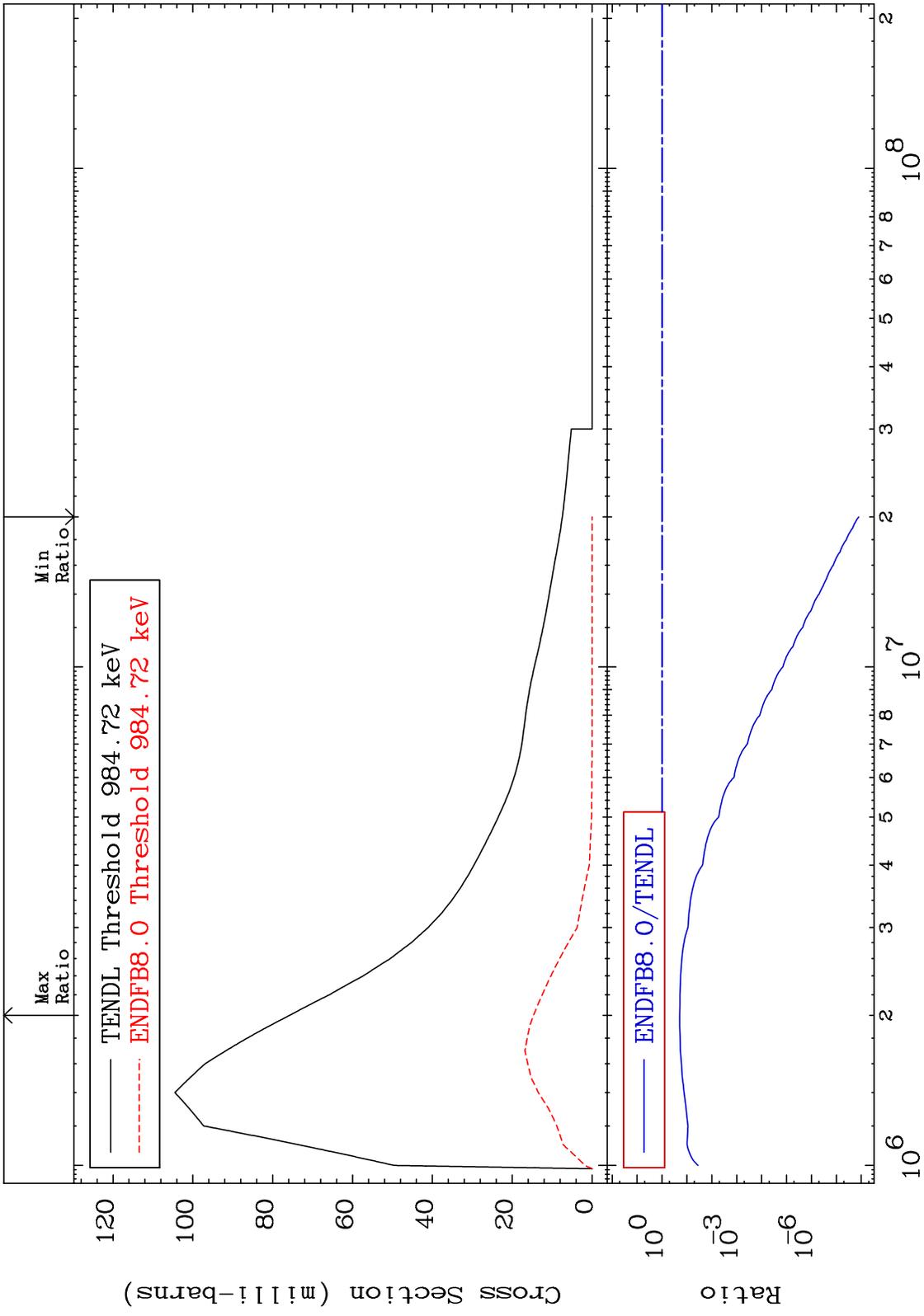
18 Incident Energy (eV) 62-Sm-147

MAT 6234 MT= 60 (n,n') Level Cross Section 62-Sm-147 -100.0 To 271.4 %



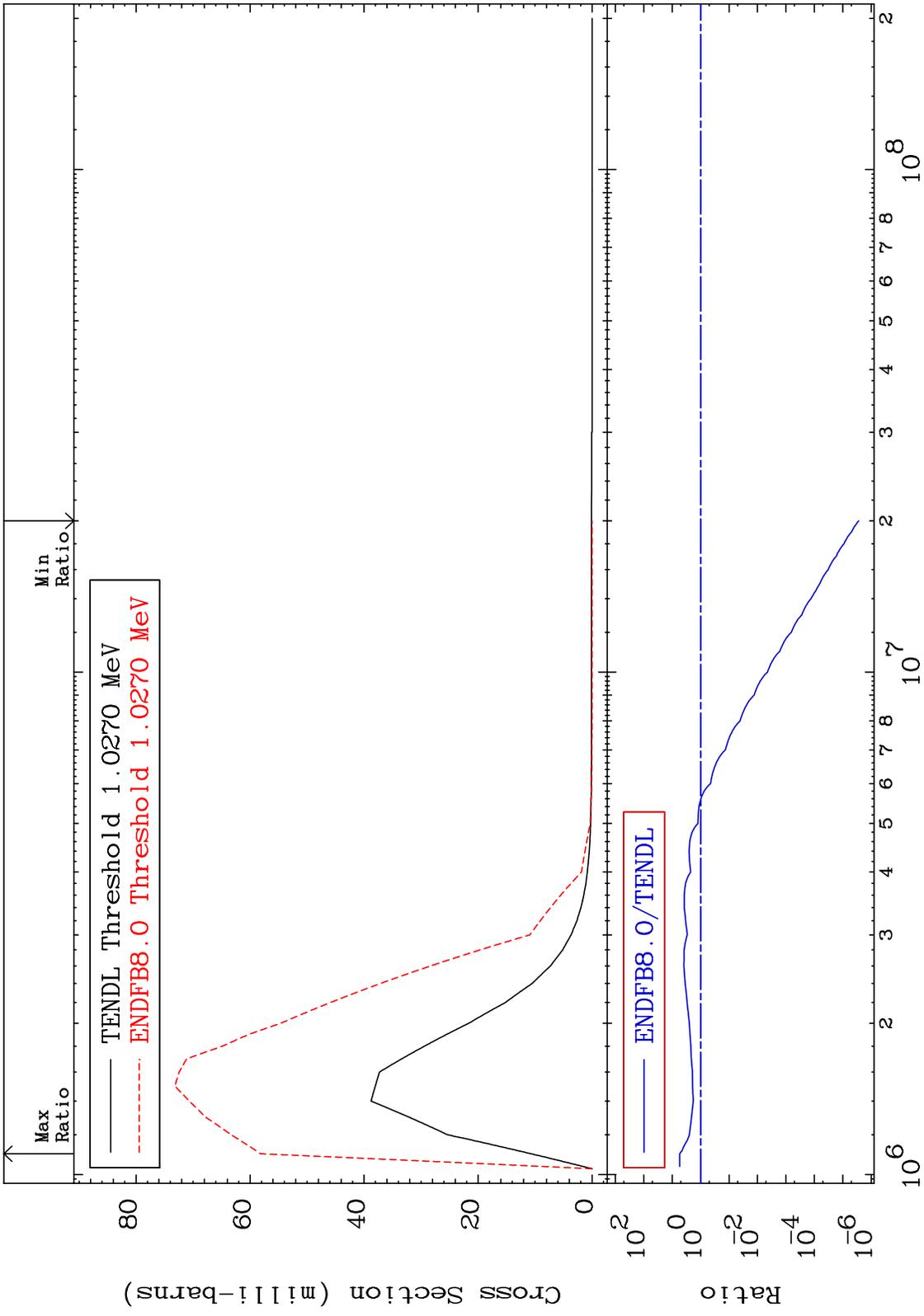
19 Incident Energy (eV) 62-Sm-147

MAT 6234 MT= 61 (n,n') Level Cross Section 62-Sm-147 -100.0 To -80.62%

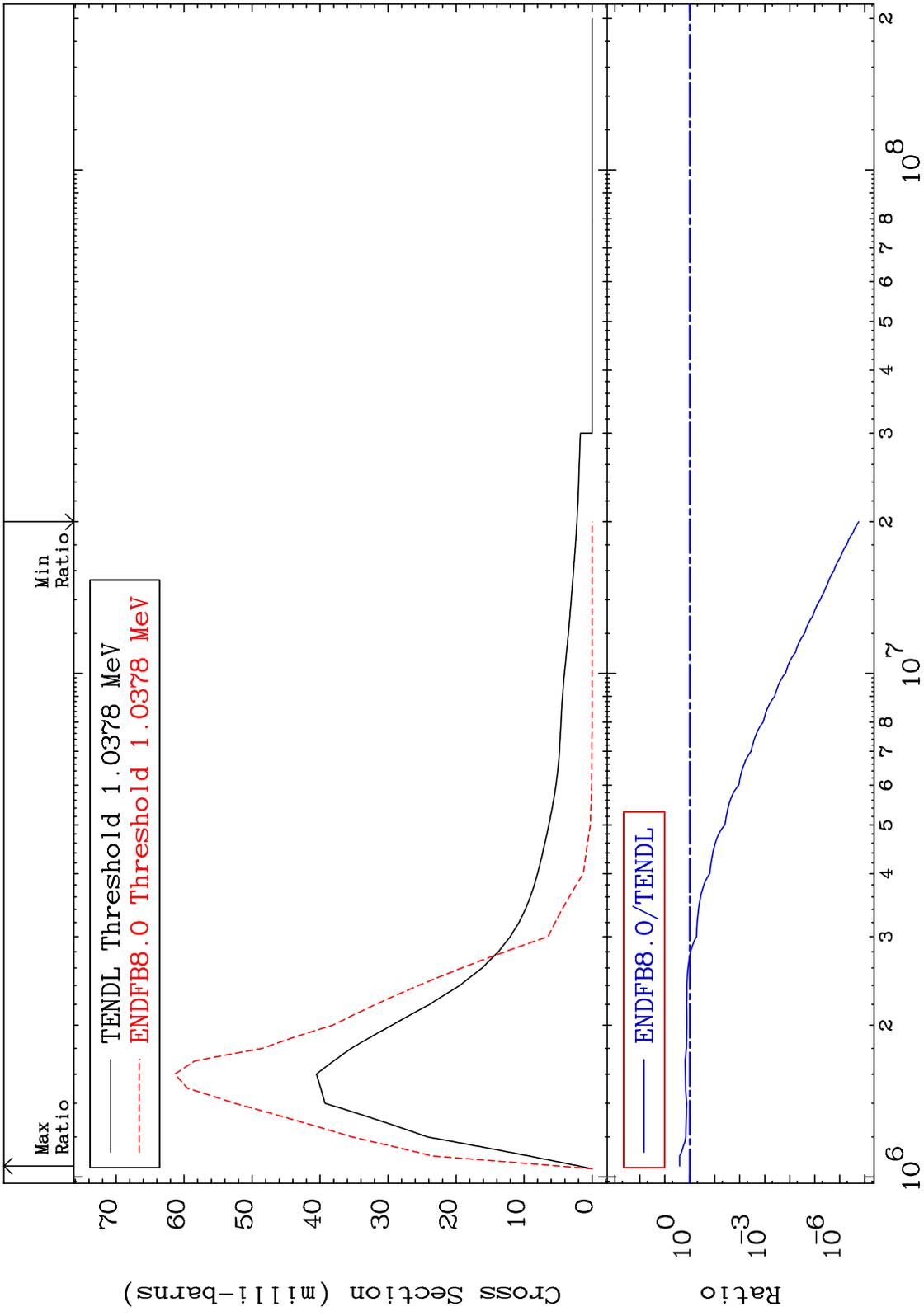


20 Incident Energy (eV) 62-Sm-147

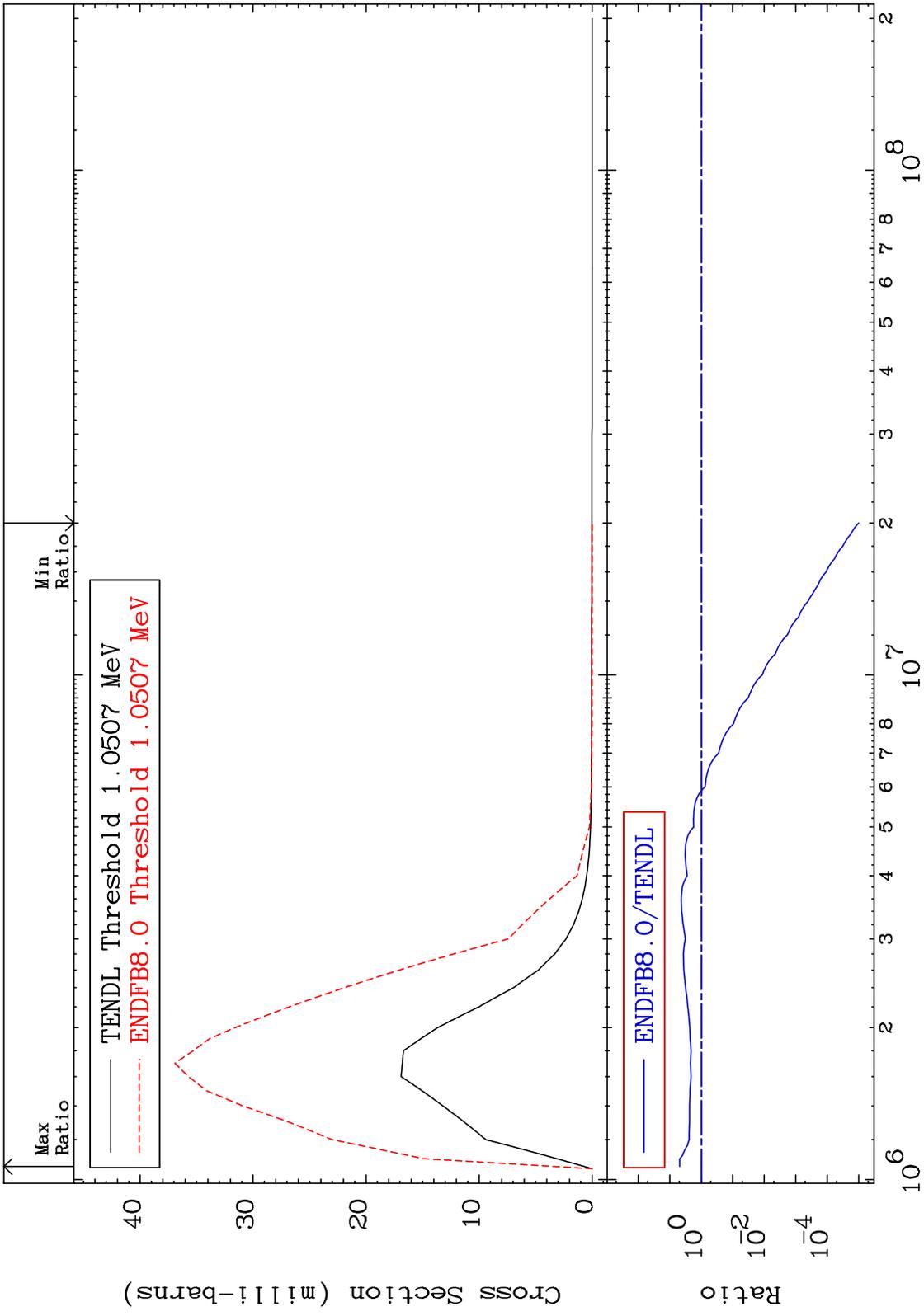
MAT 6234 MT= 62 (n,n') Level Cross Section 62-Sm-147
 -100.0 To 443.6 %



MAT 6234 MT= 63 (n,n') Level Cross Section 62-Sm-147 -100.0 To 153.2 %

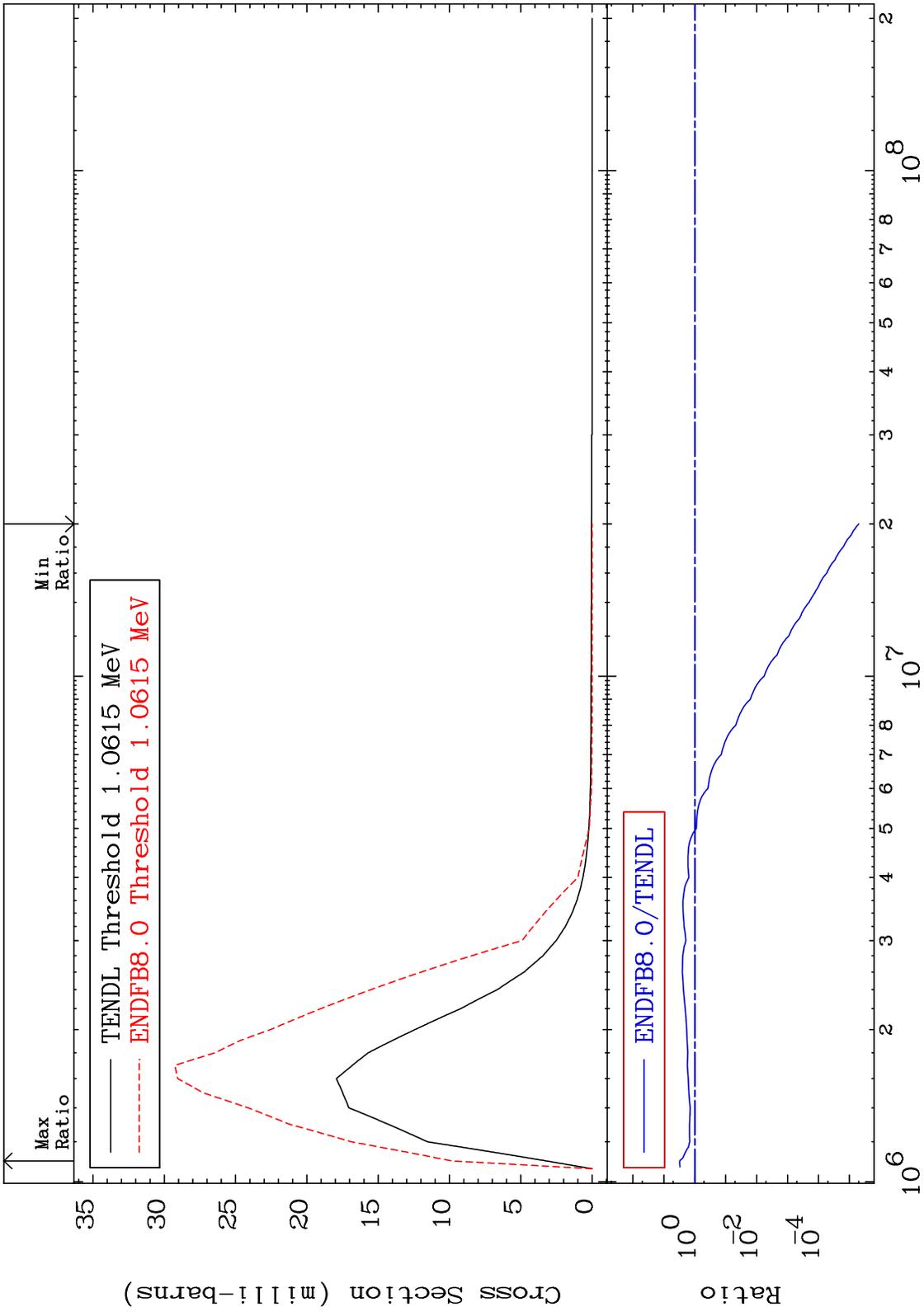


MAT 6234 MT= 64 (n,n') Level Cross Section 62-Sm-147
 -100.0 To 381.7 %

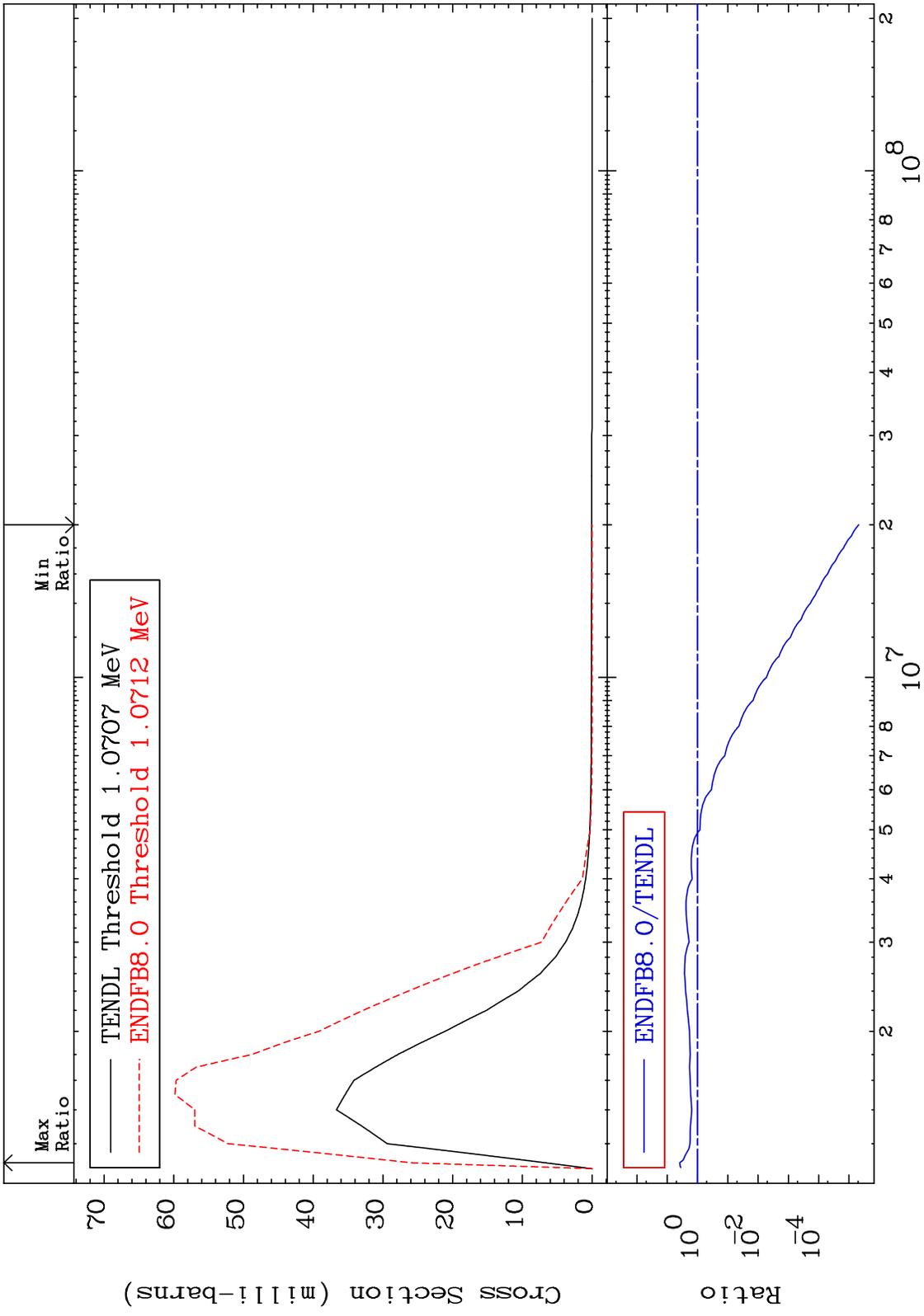


23 62-Sm-147

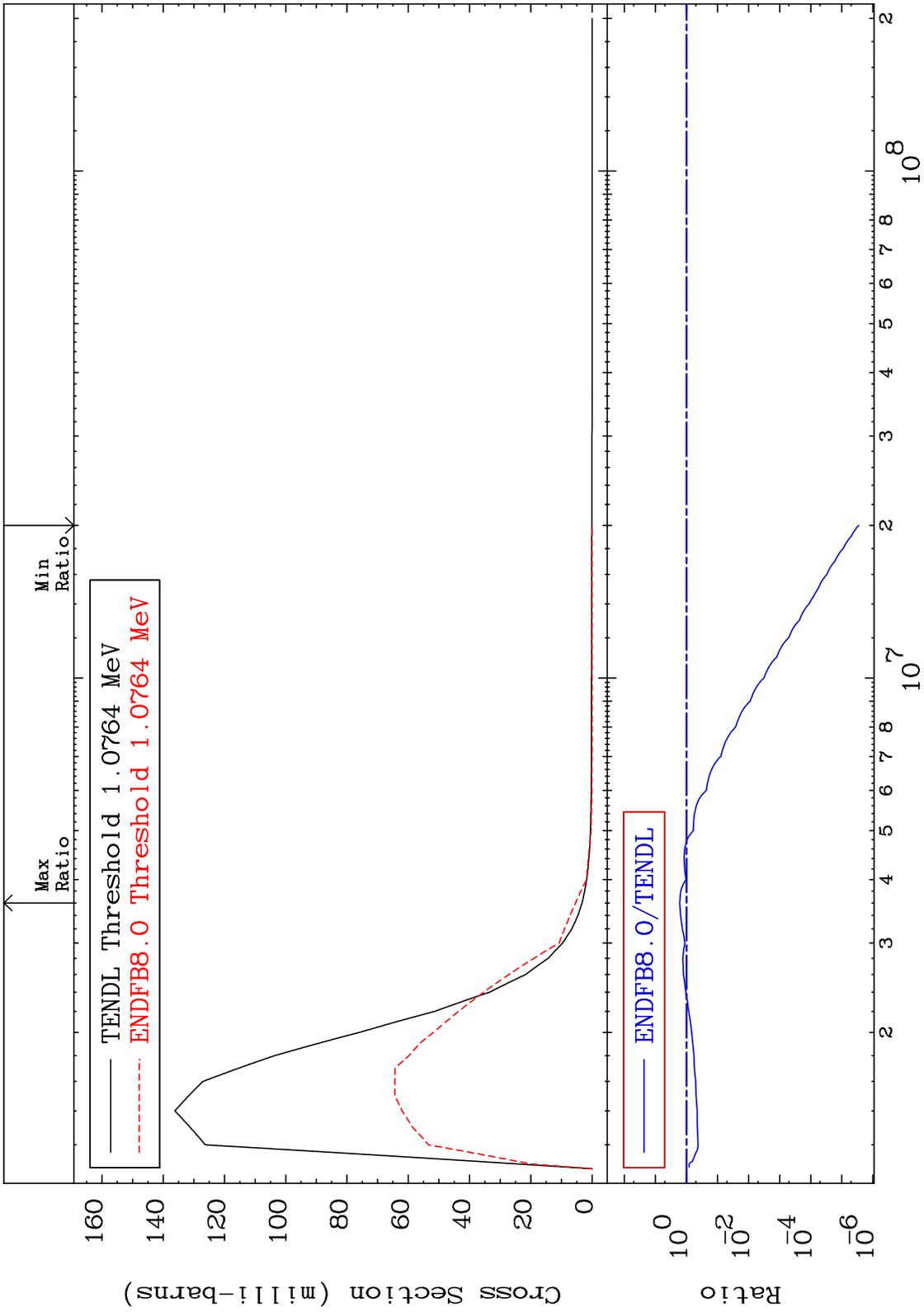
MAT 6234 MT= 65 (n,n') Level Cross Section 62-Sm-147
 -100.0 To 206.2 %



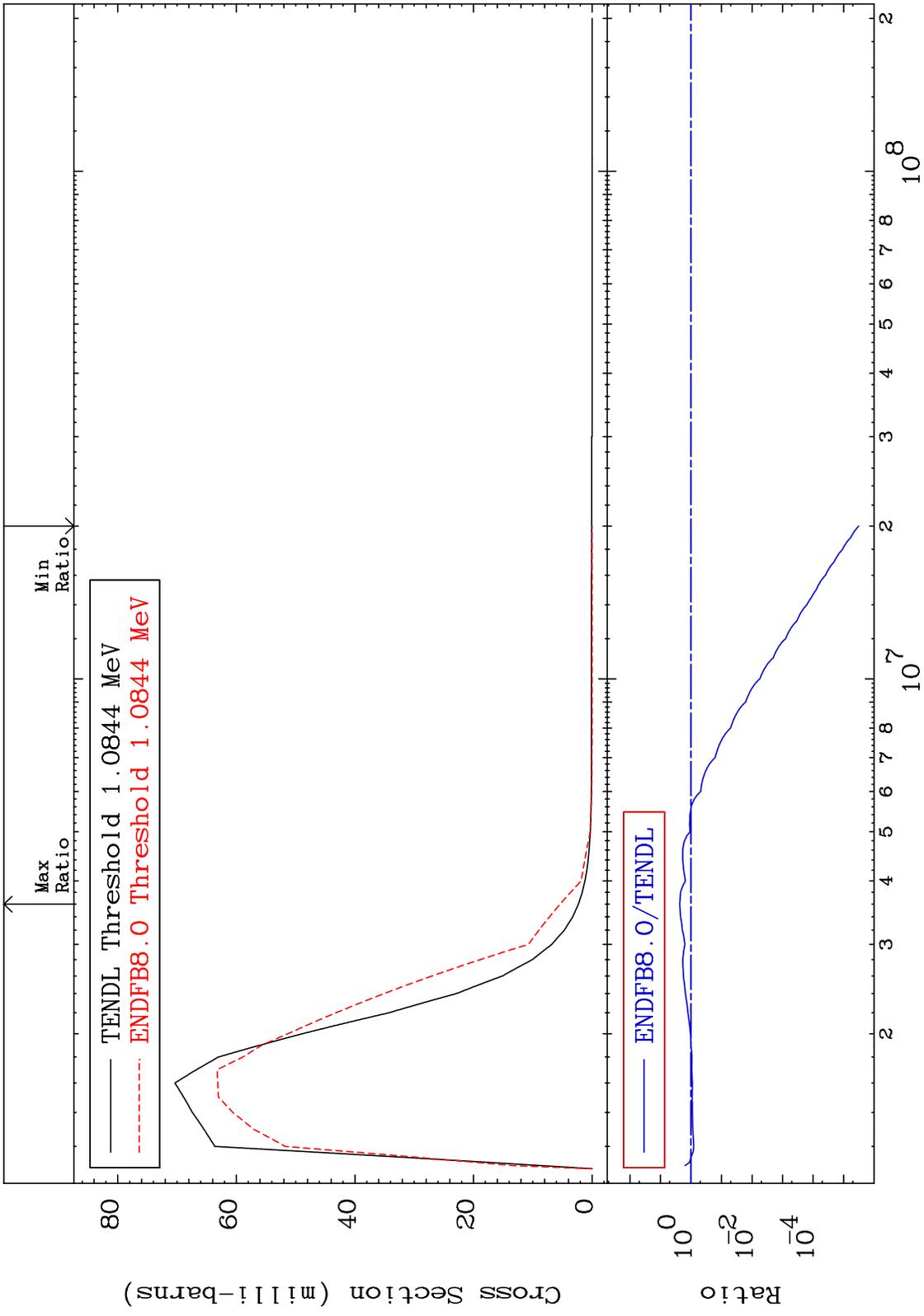
MAT 6234 MT= 66 (n,n') Level Cross Section 62-Sm-147 -100.0 To 287.9 %



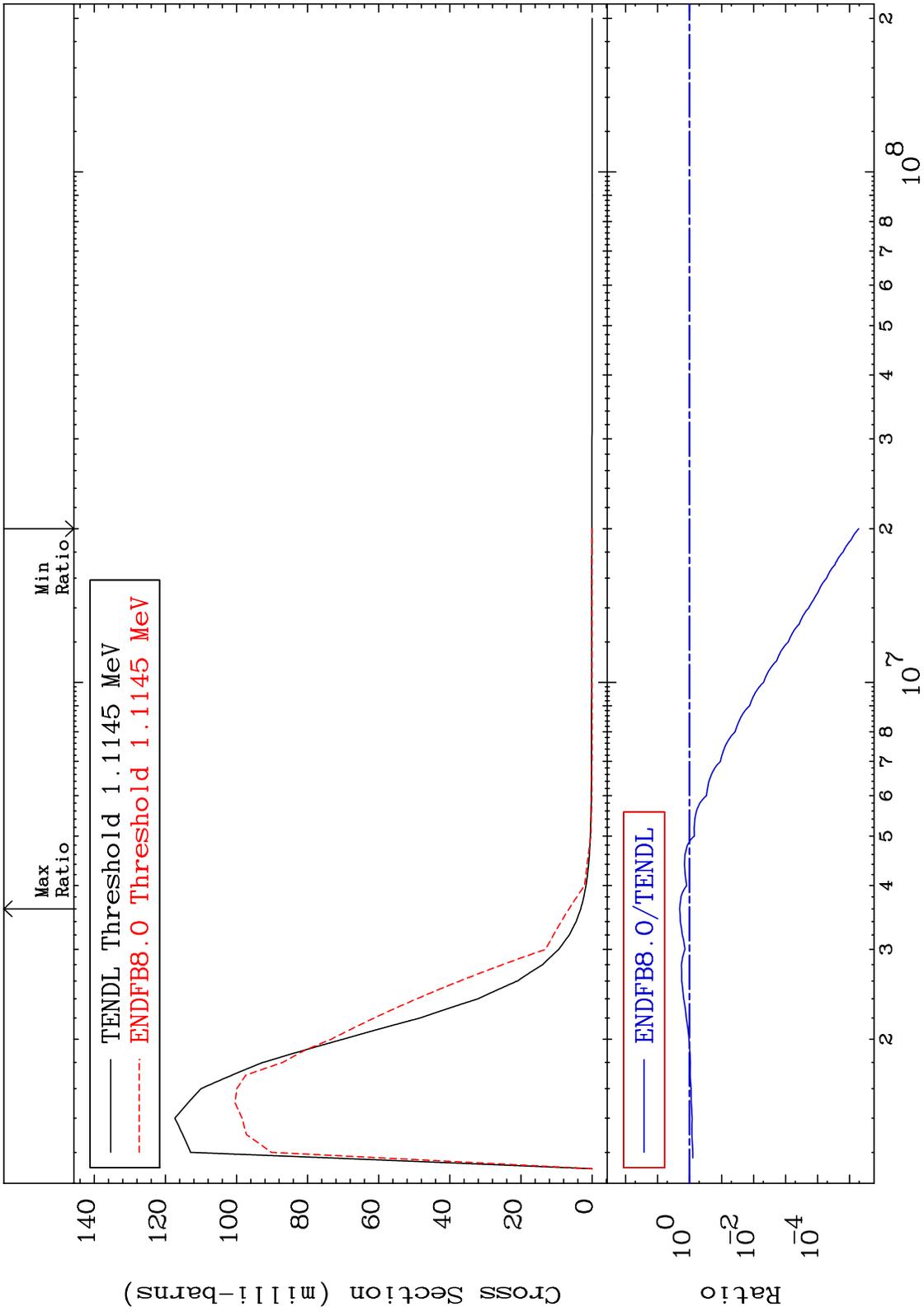
MAT 6234 MT= 67 (n,n') Level Cross Section 62-Sm-147 -100.0 To 64.88 %



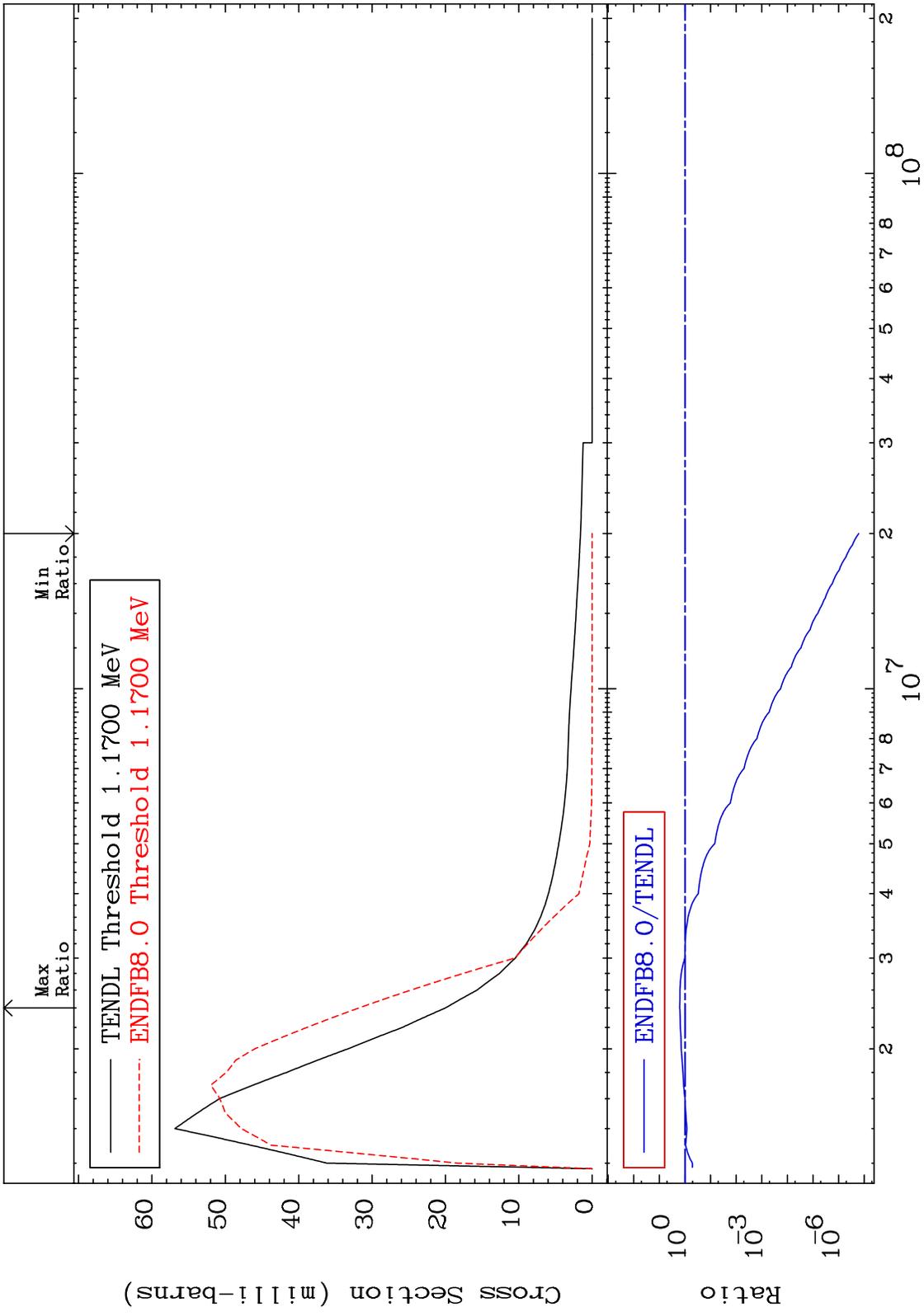
MAT 6234 MT= 68 (n,n') Level Cross Section 62-Sm-147 -100.0 To 133.8 %



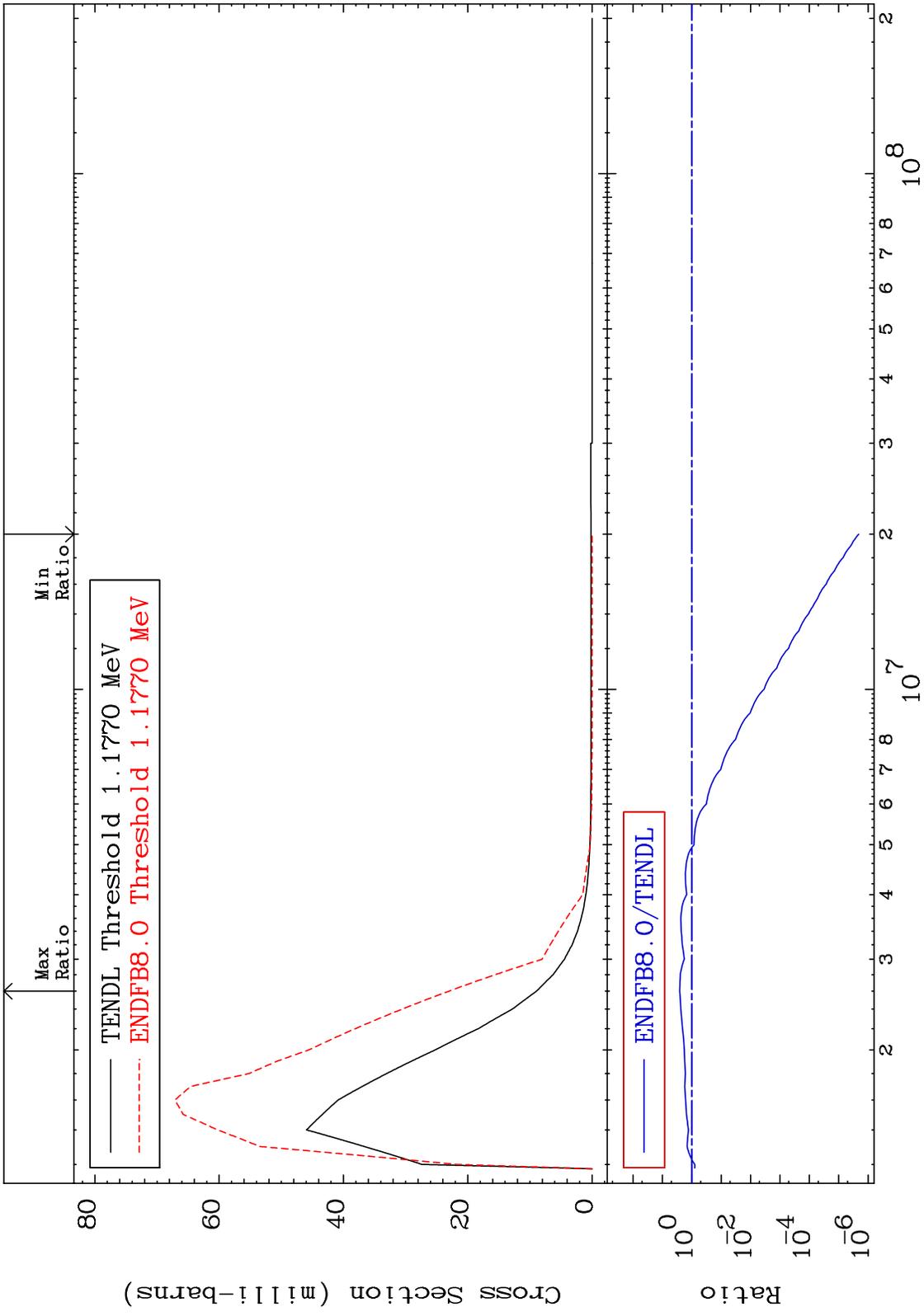
MAT 6234 MT= 69 (n,n') Level Cross Section 62-Sm-147
 -100.0 To 103.7 %



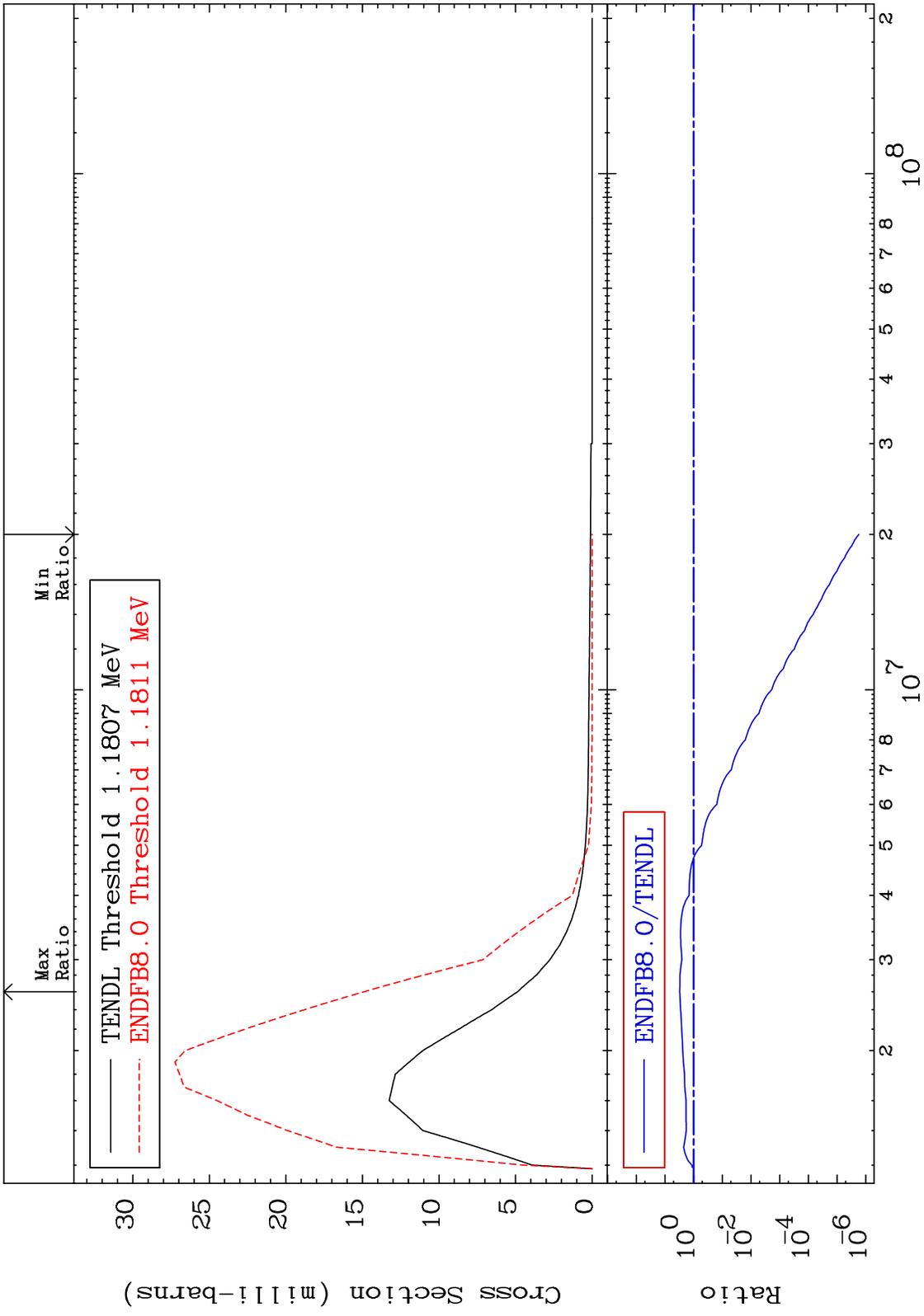
MAT 6234 MT= 70 (n,n') Level Cross Section 62-Sm-147 -100.0 To 59.01 %



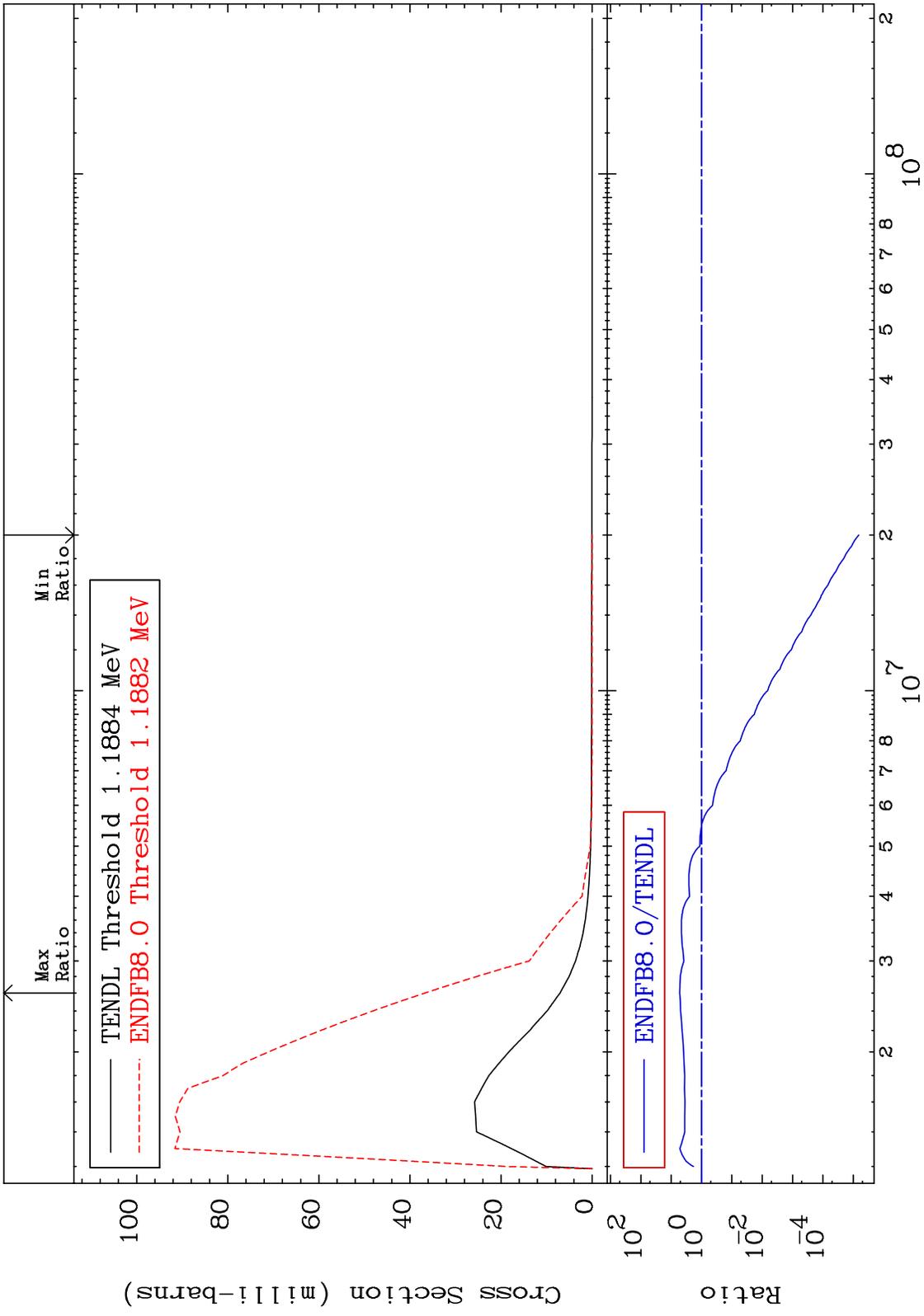
MAT 6234 MT= 71 (n,n') Level Cross Section 62-Sm-147 -100.0 To 158.0 %



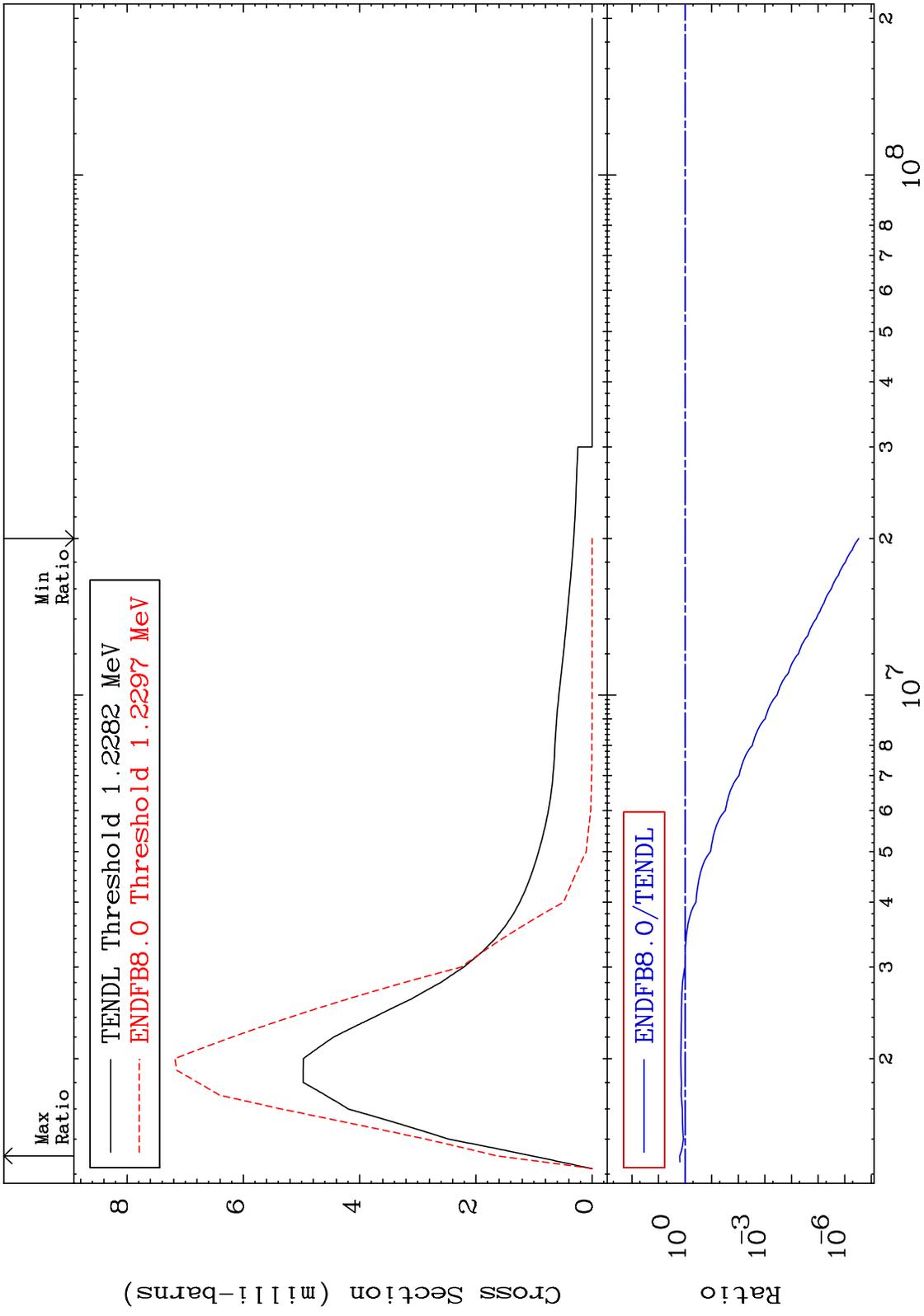
MAT 6234 MT= 72 (n,n') Level Cross Section 62-Sm-147 -100.0 To 205.8 %



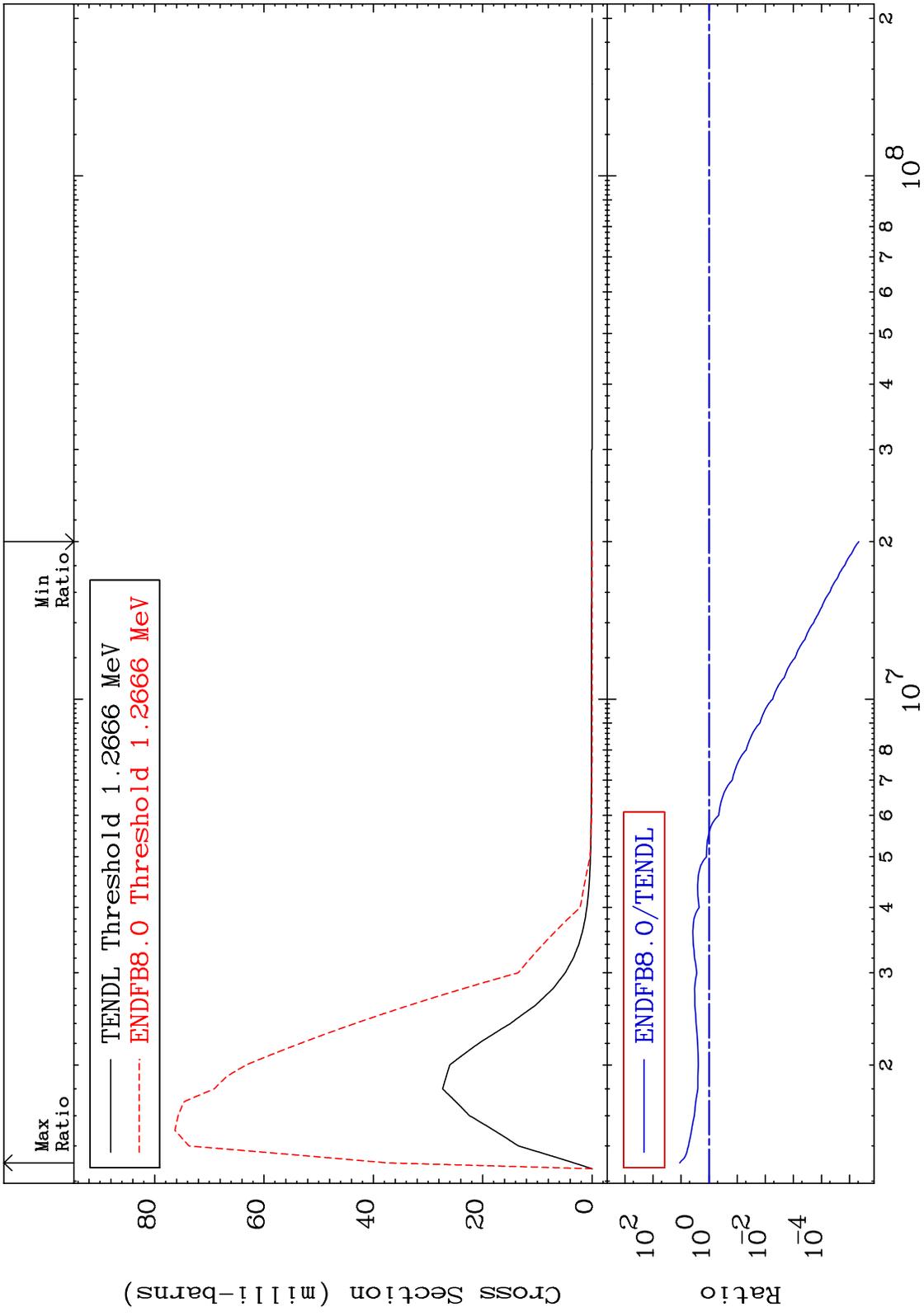
MAT 6234 MT= 73 (n,n') Level Cross Section 62-Sm-147
 -100.0 To 422.0 %



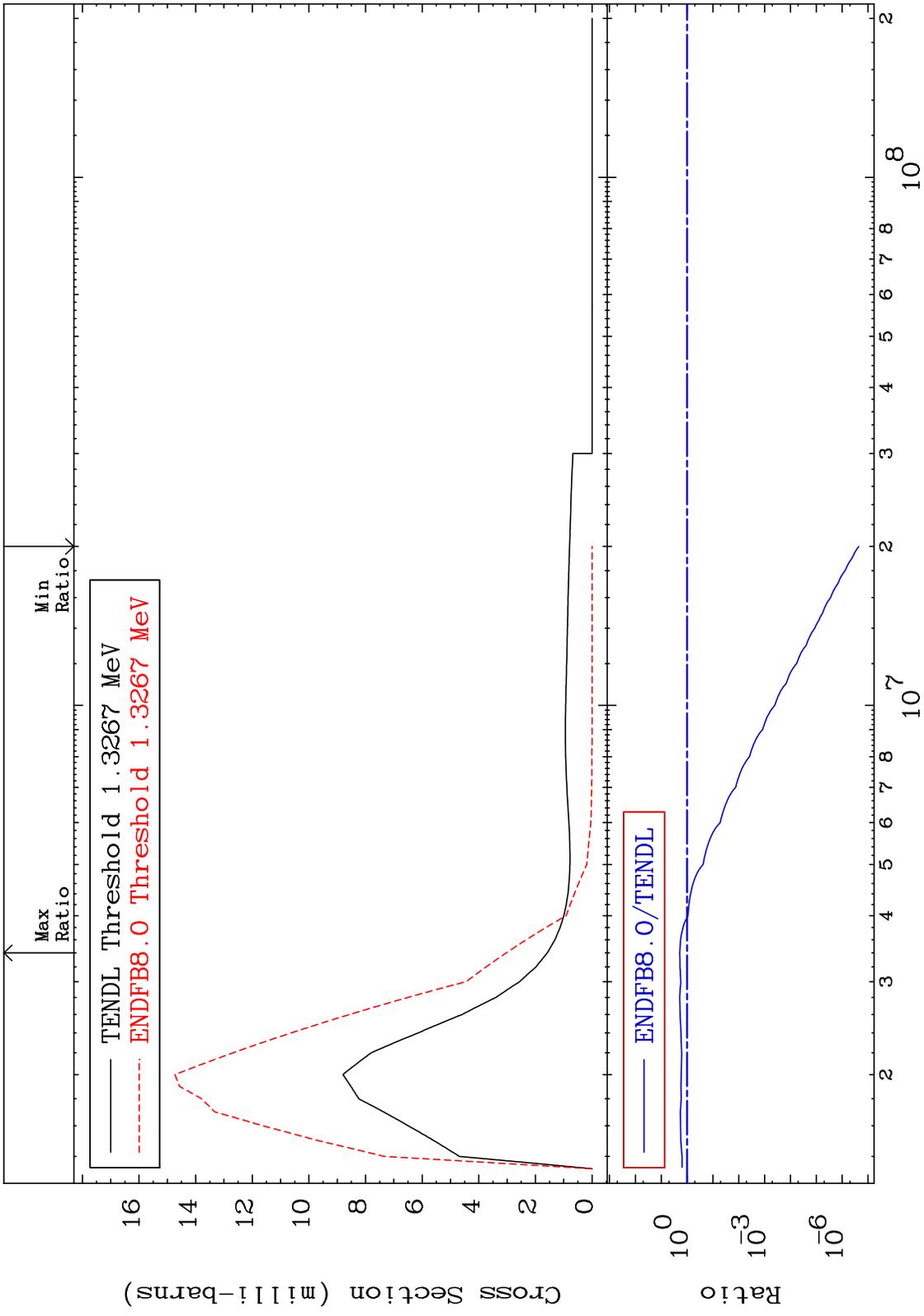
MAT 6234 MT= 74 (n,n') Level Cross Section 62-Sm-147 -100.0 To 59.02 %



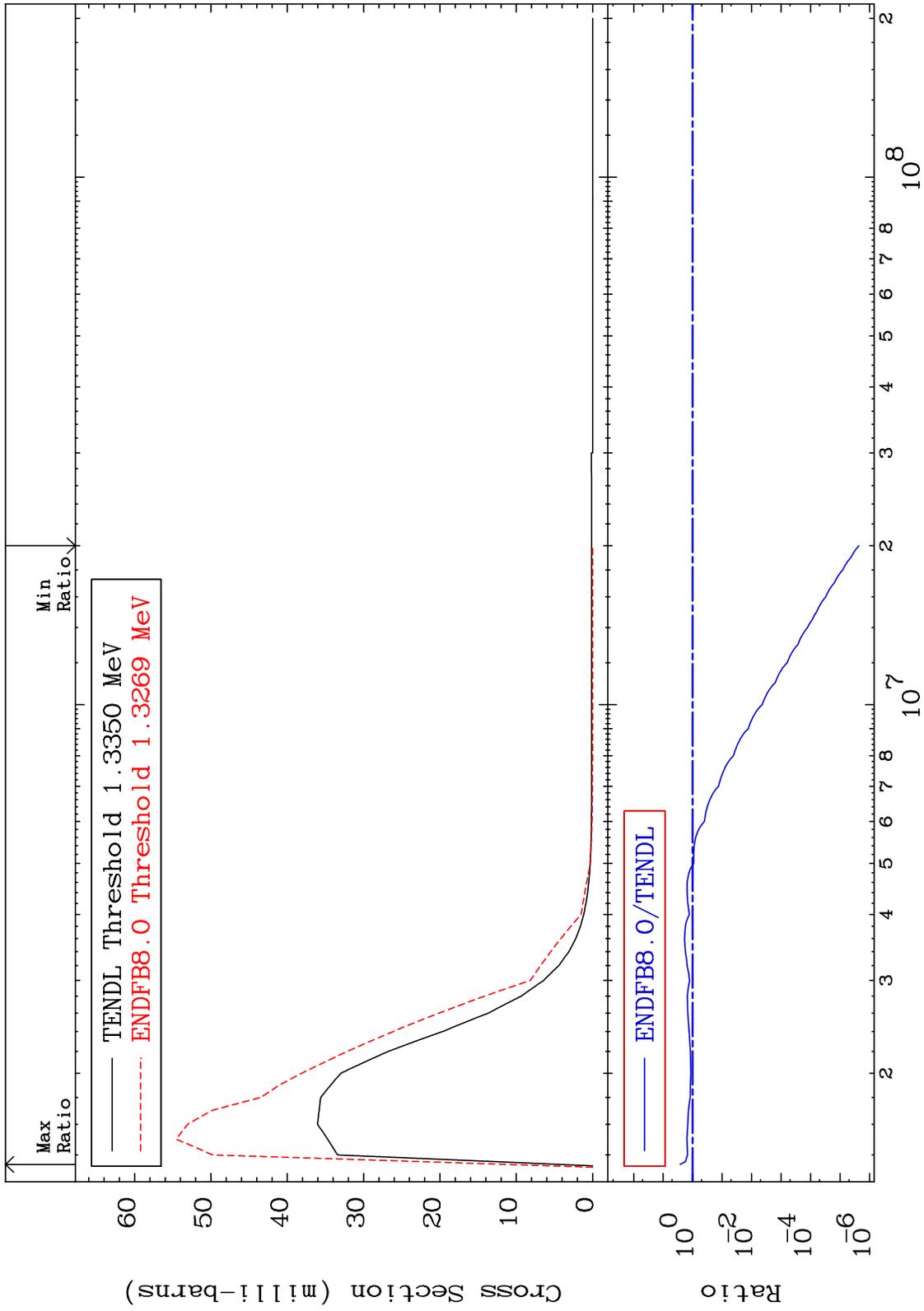
MAT 6234 MT= 75 (n,n') Level Cross Section 62-Sm-147
 -100.0 To 1015. %



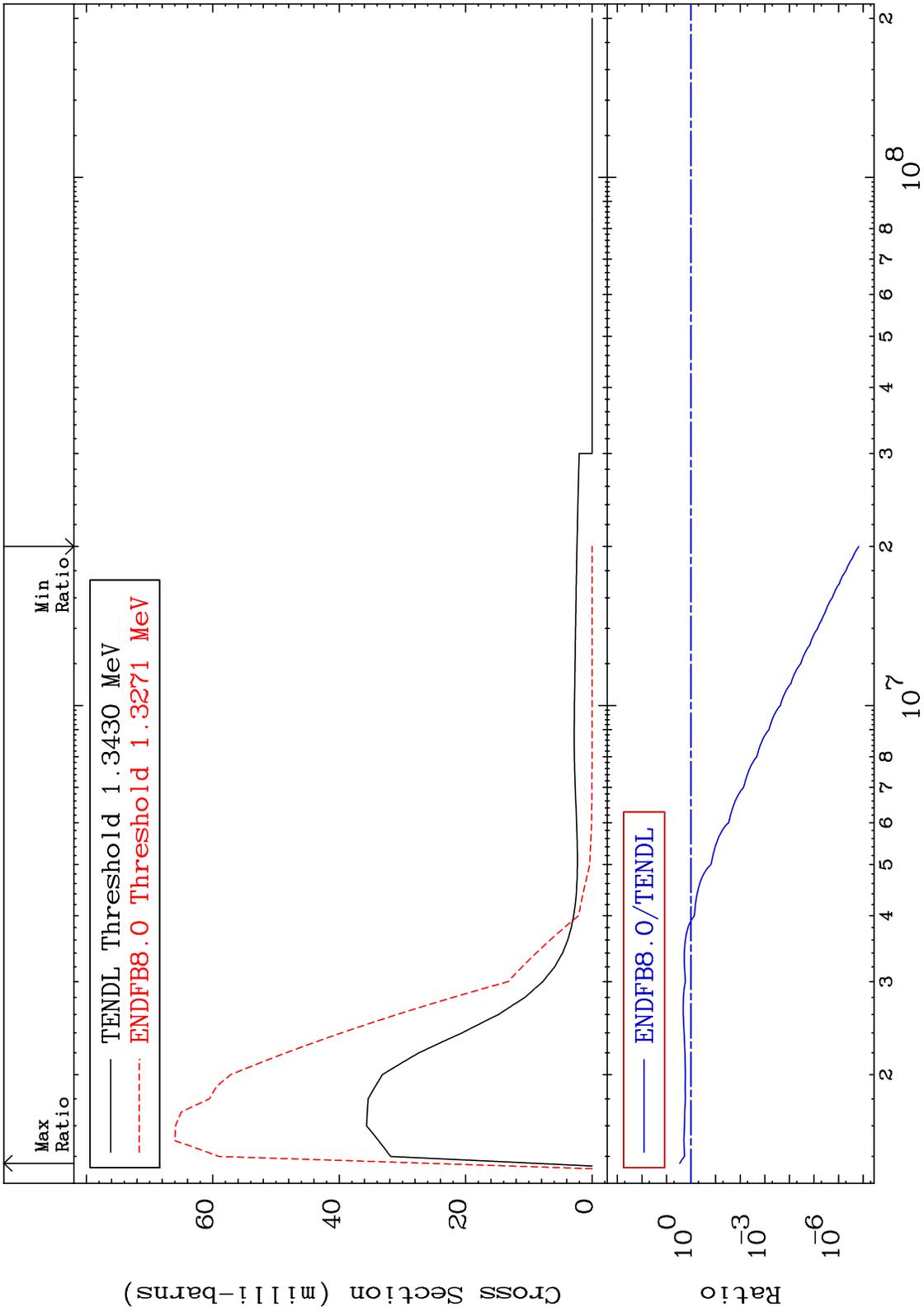
MAT 6234 MT= 76 (n,n') Level Cross Section 62-Sm-147 -100.0 To 91.59 %



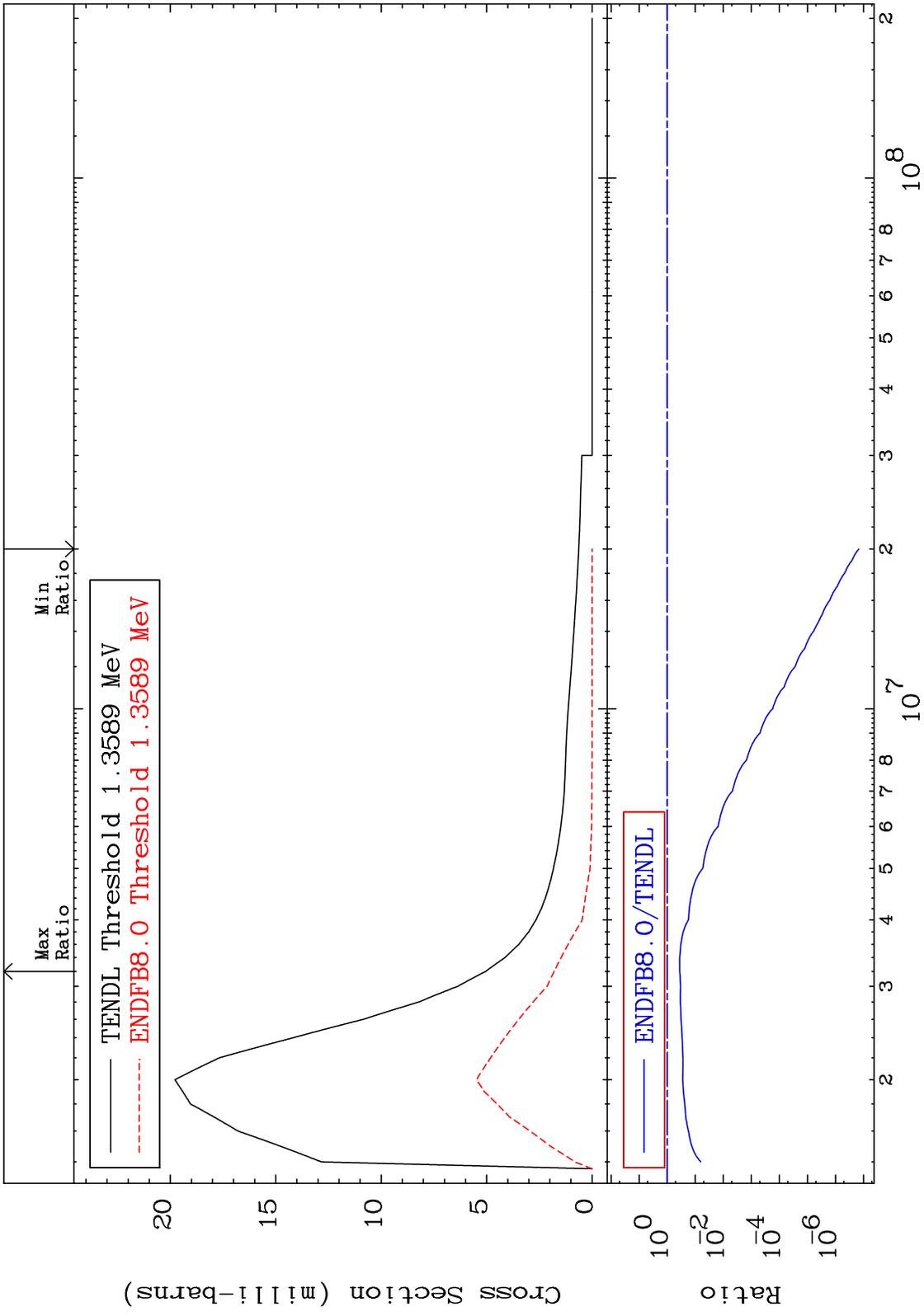
MAT 6234 MT= 77 (n,n') Level Cross Section 62-Sm-147 -100.0 To 165.0 %



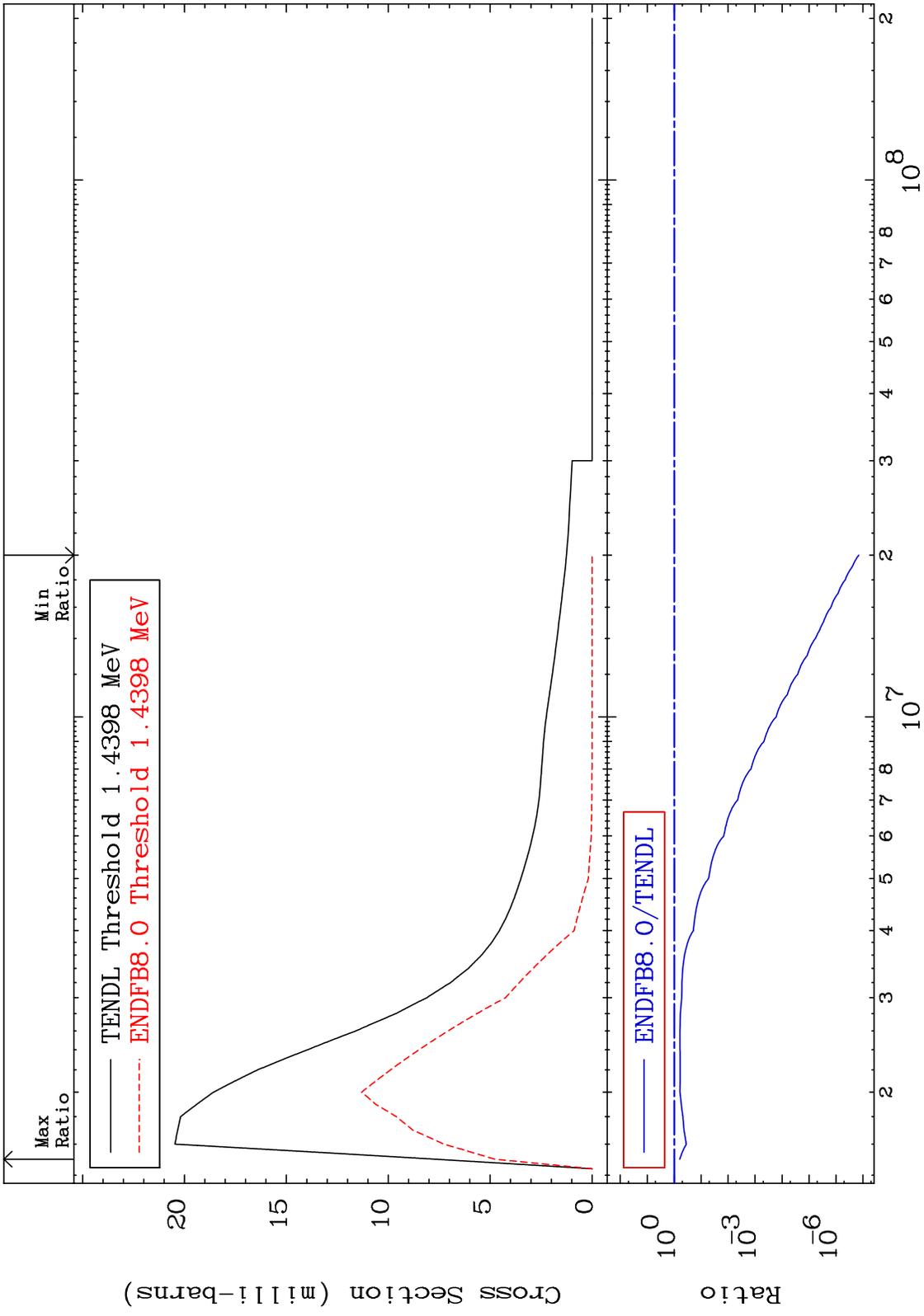
MAT 6234 MT= 78 (n,n') Level Cross Section 62-Sm-147 -100.0 To 189.5 %



MAT 6234 MT= 79 (n,n') Level Cross Section 62-Sm-147
 -100.0 To -64.38%



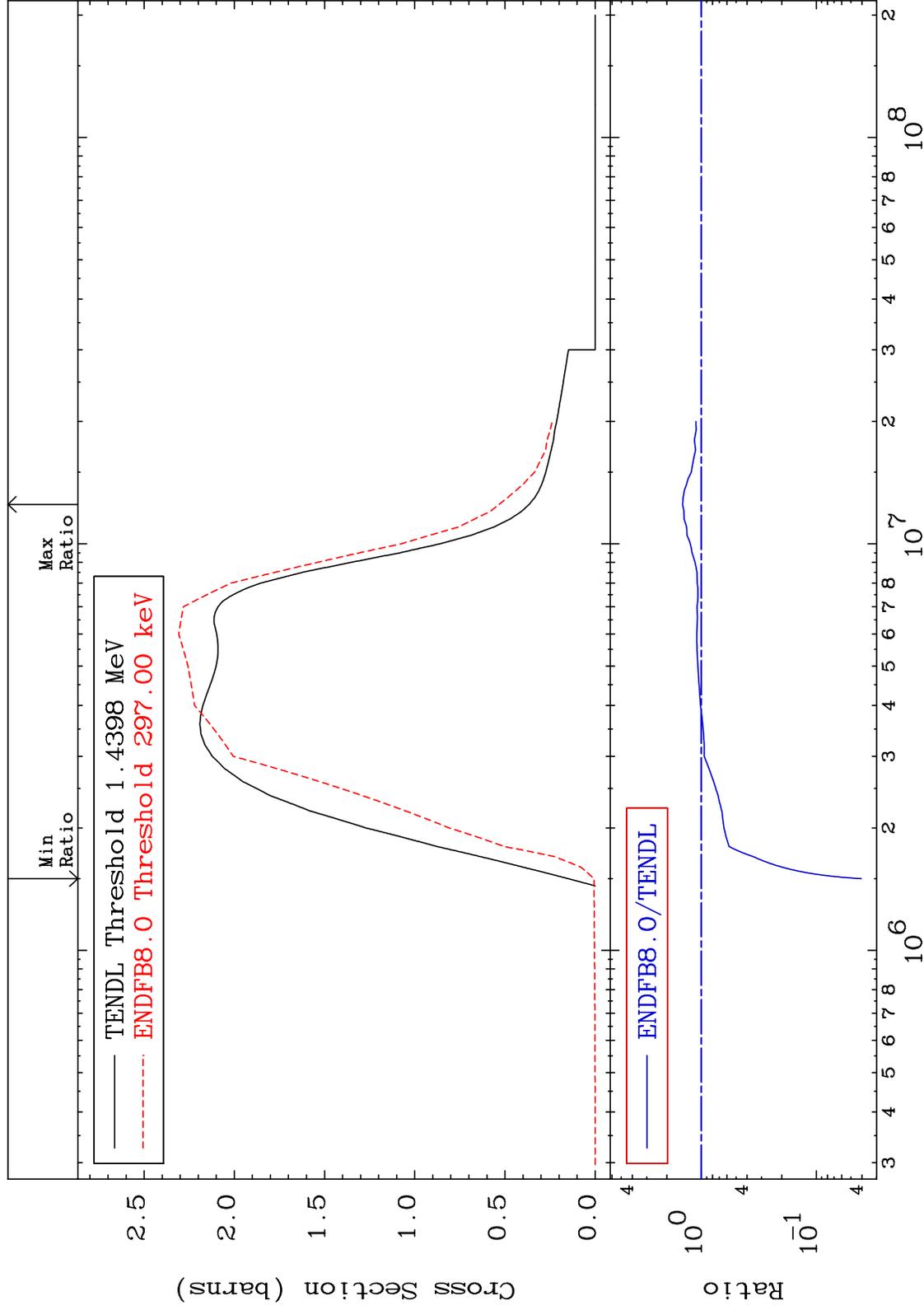
MAT 6234 MT= 80 (n,n') Level Cross Section 62-Sm-147 -100.0 To -37.87%



MAT 6234

(n, n') Continuum
Cross Section

62-Sm-147
-95.95 To 45.79 %



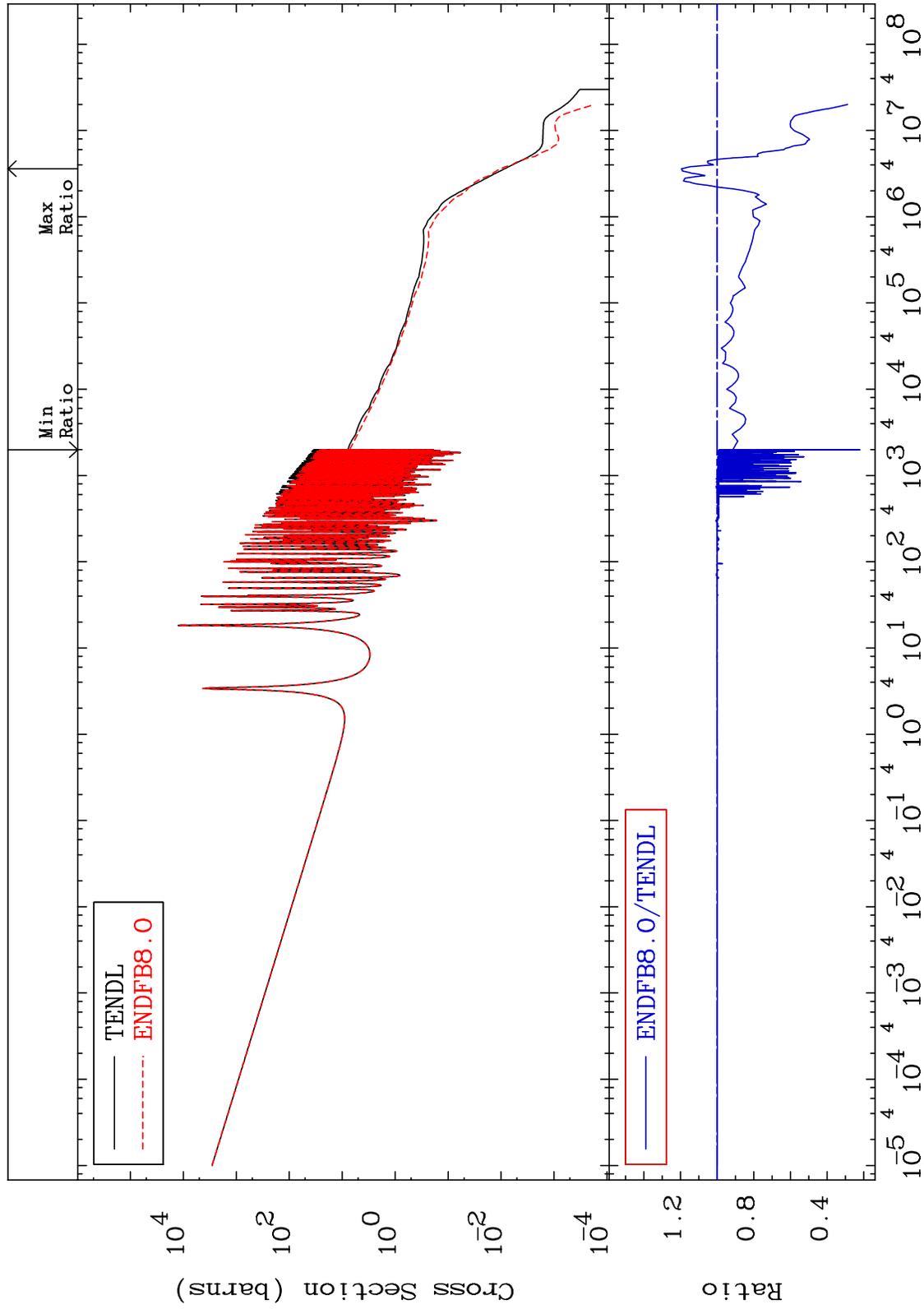
MAT 6234

(n, γ)

62-Sm-147

Cross Section

-77.84 To 19.45 %



MAT 6234

(n,p)

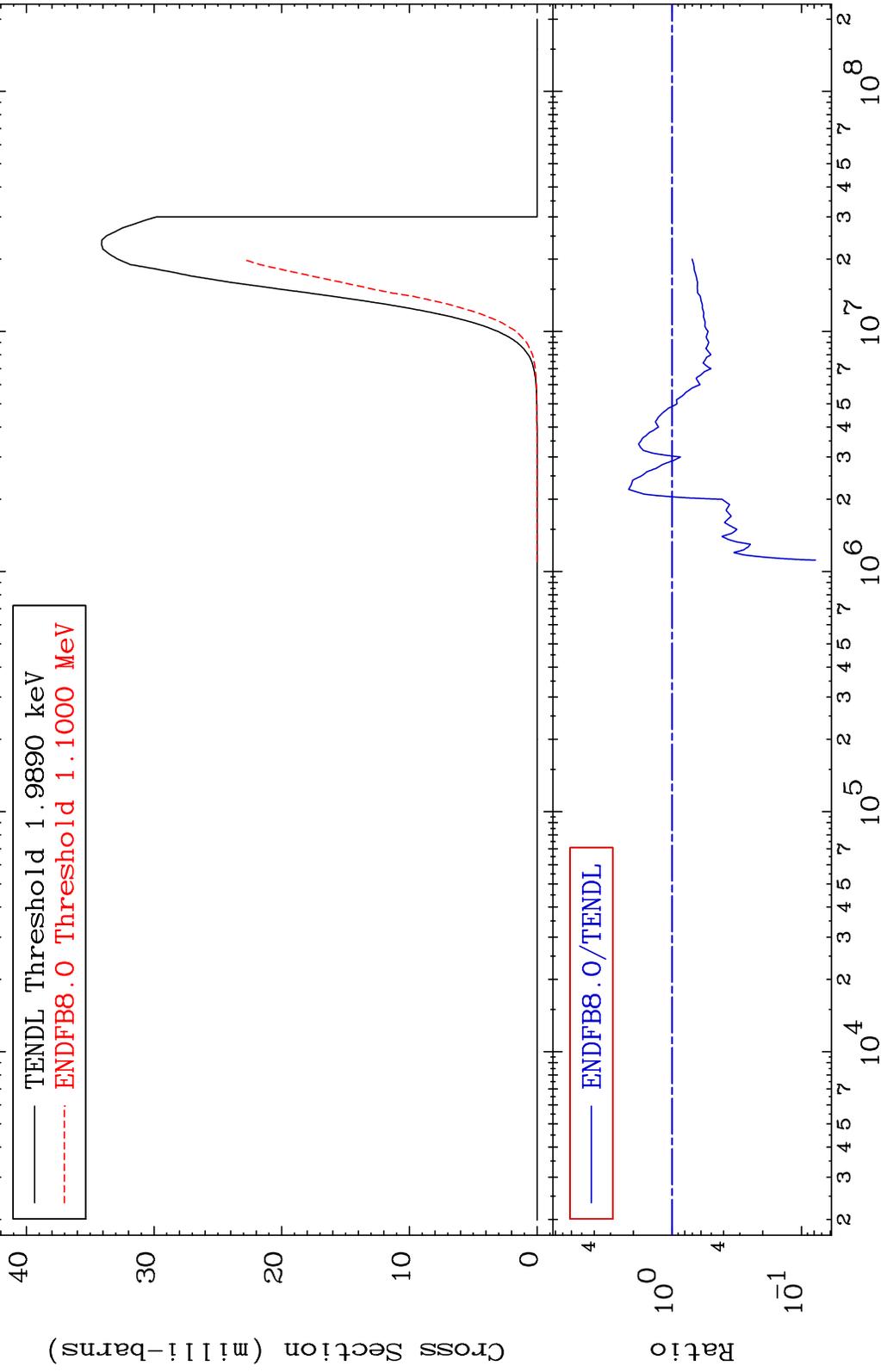
62-Sm-147

-92.19 To 117.2 %

Cross Section

Min Ratio

Max Ratio

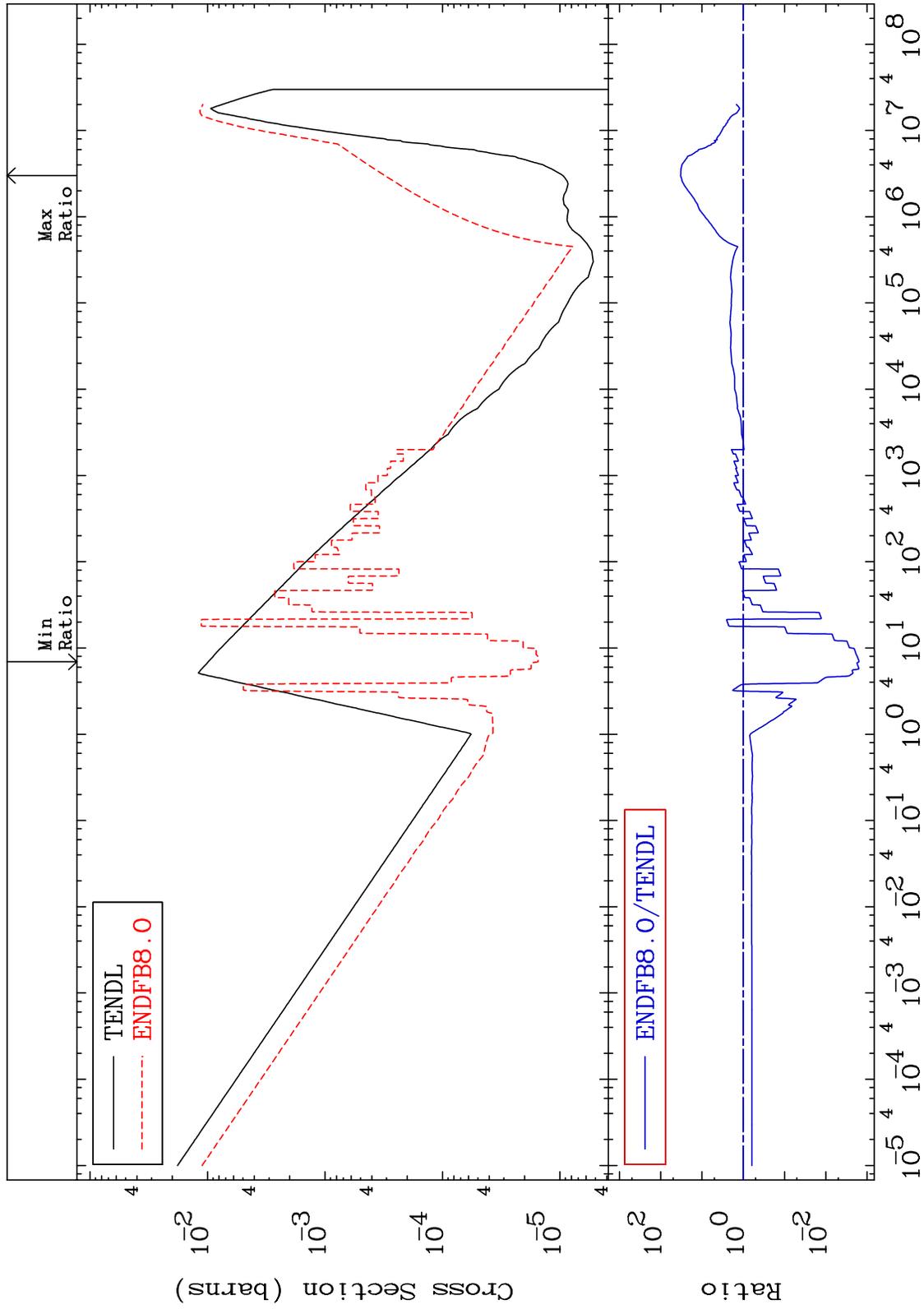


MAT 6234

(n, α)

62-Sm-147

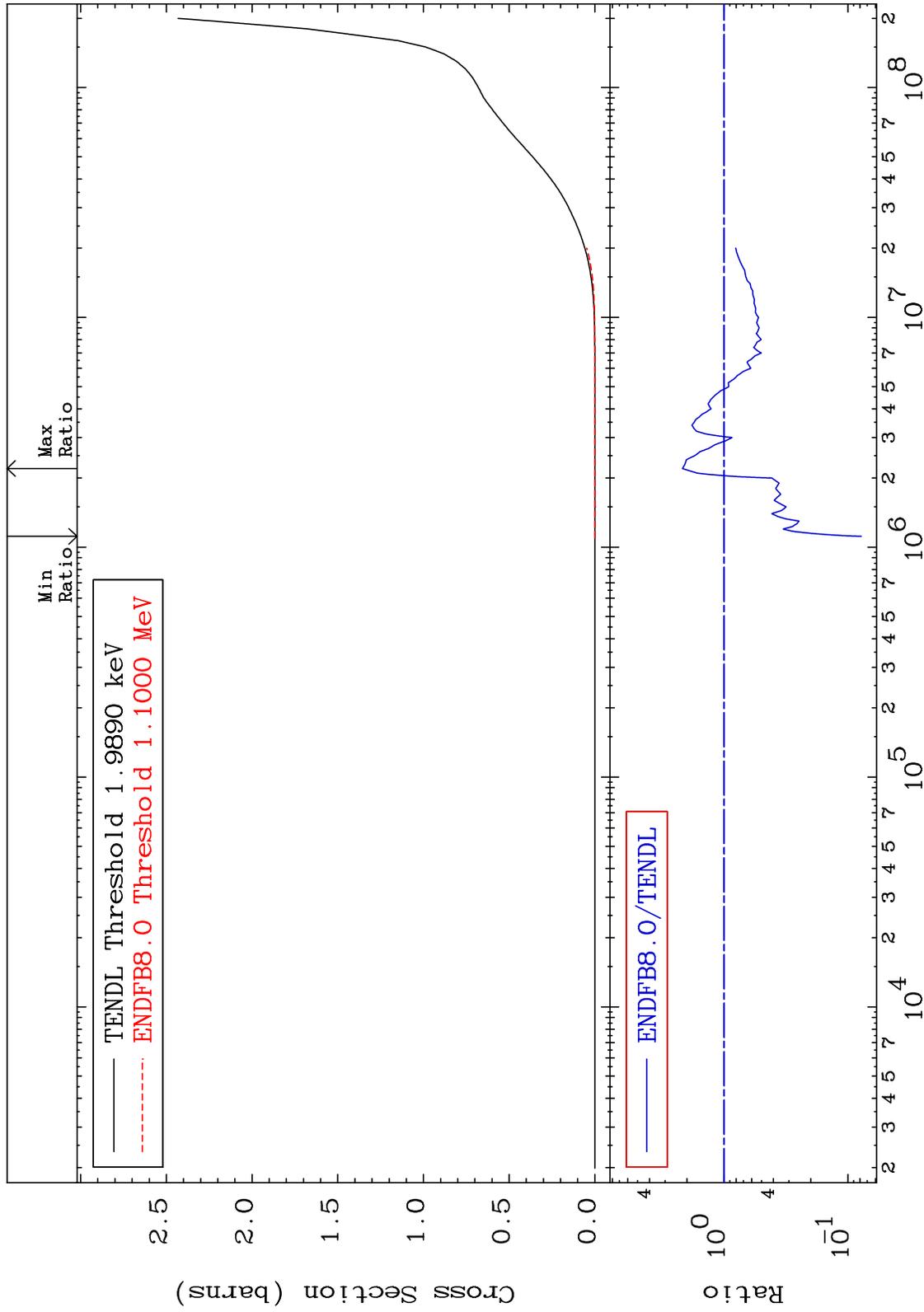
Cross Section -99.84 To 3192. %



MAT 6234

Hydrogen Production
Cross Section

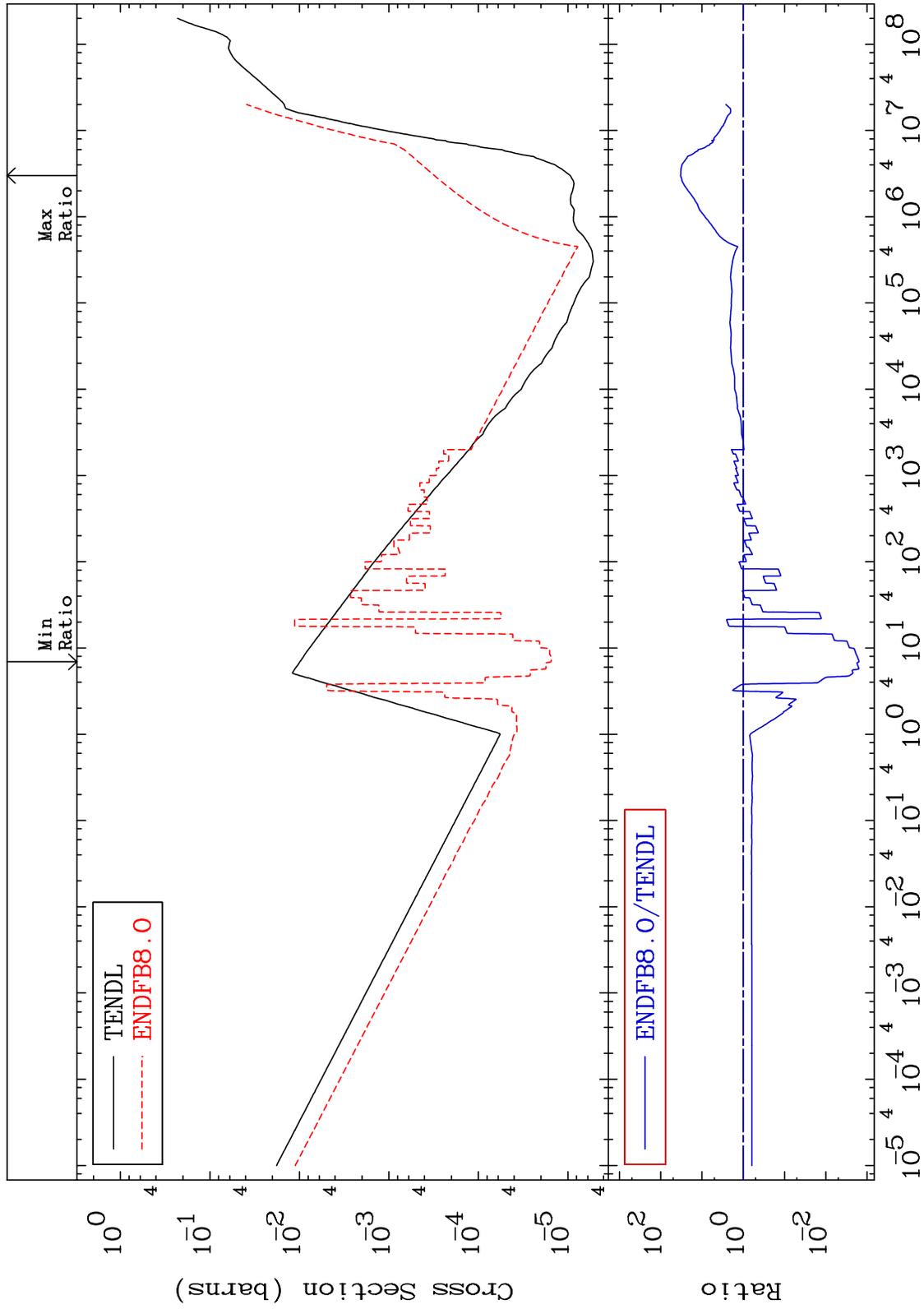
62-Sm-147
-92.19 To 117.2 %



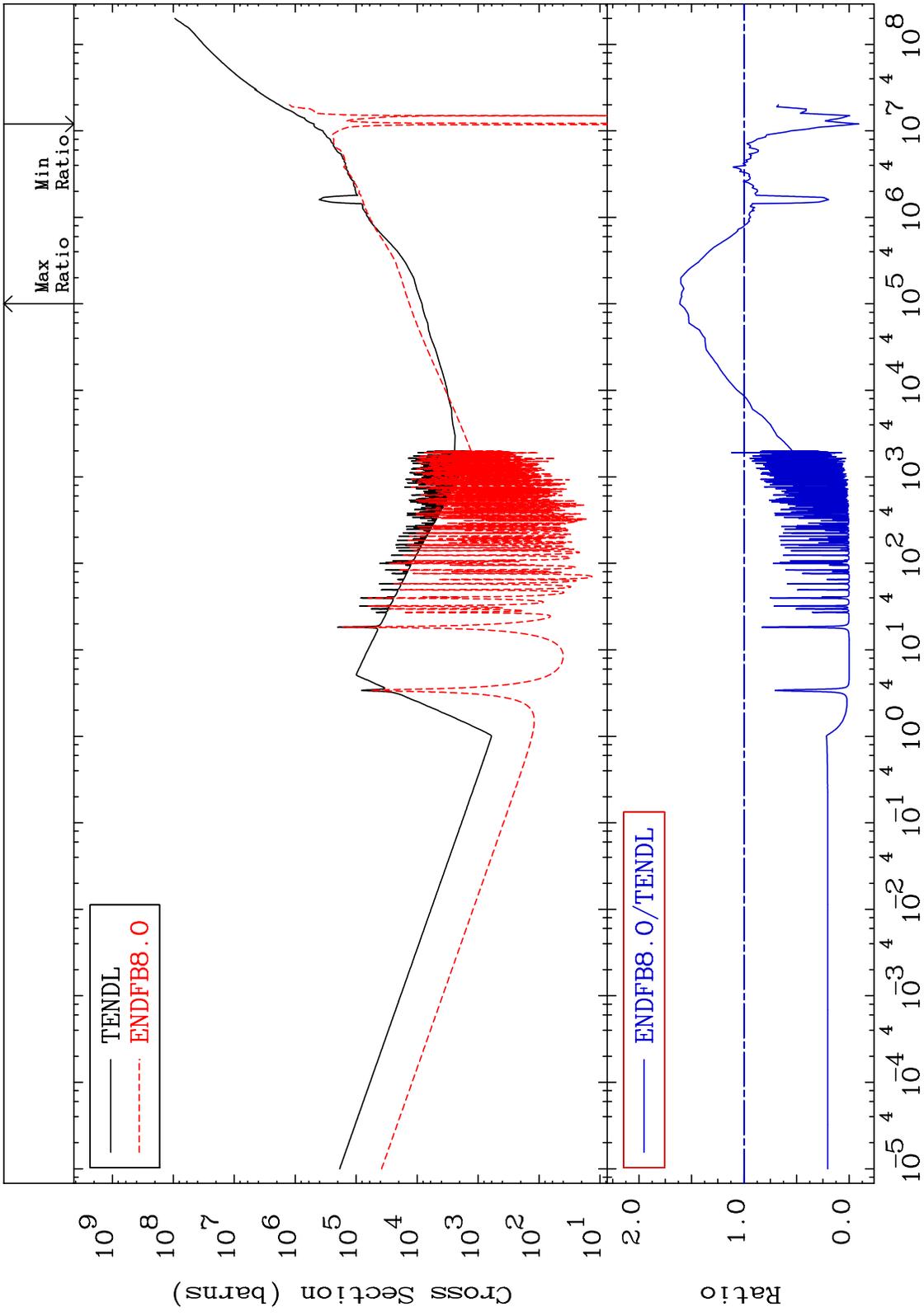
MAT 6234

He-4 Production Cross Section

62-Sm-147
-99.84 To 3192. %



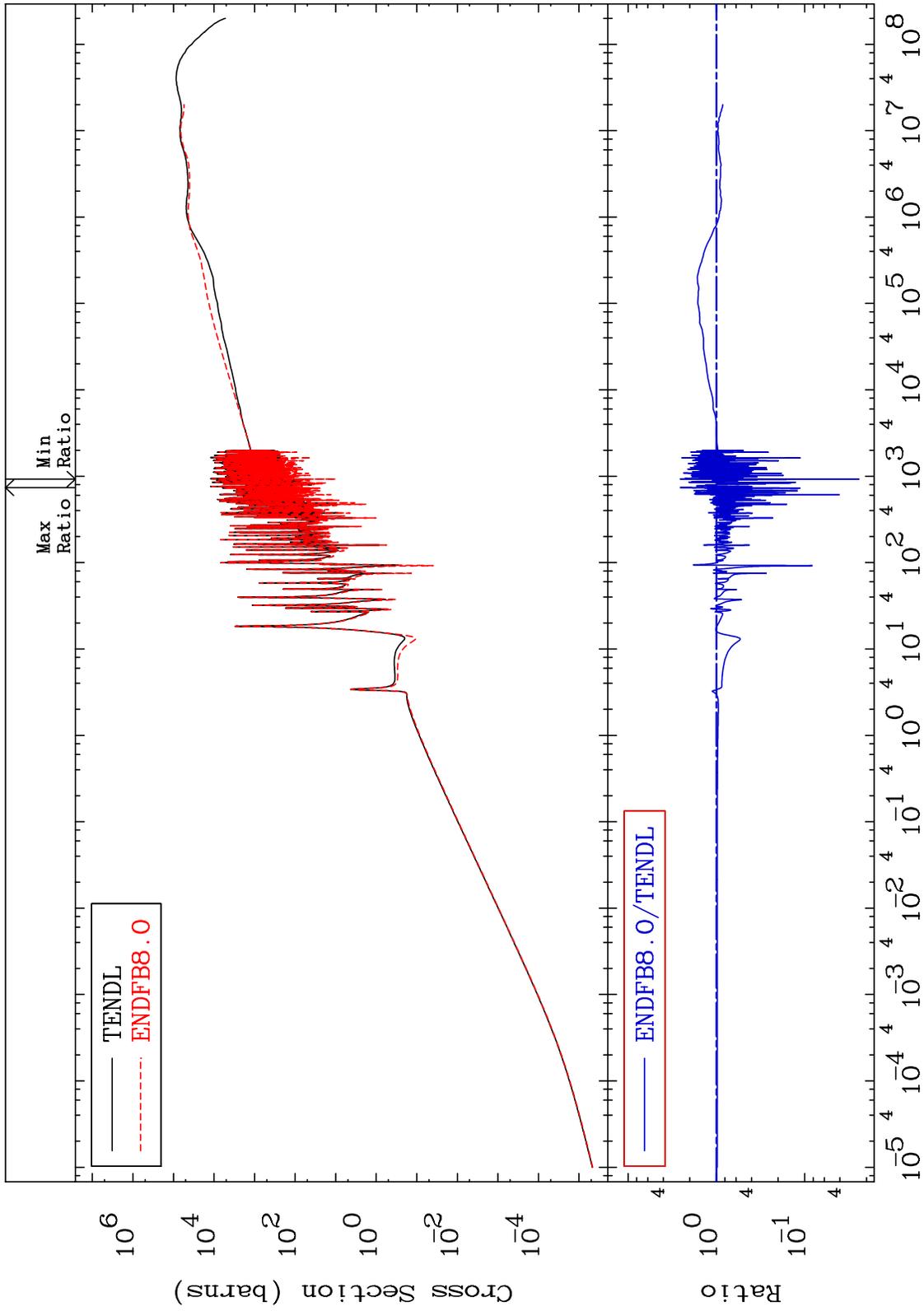
MAT 6234 Kerma total (eV-barns) Cross Section 62-Sm-147 -109.1 To 61.28 %



MAT 6234

Kerma elastic
Cross Section

62-Sm-147
-97.57 To 157.1 %

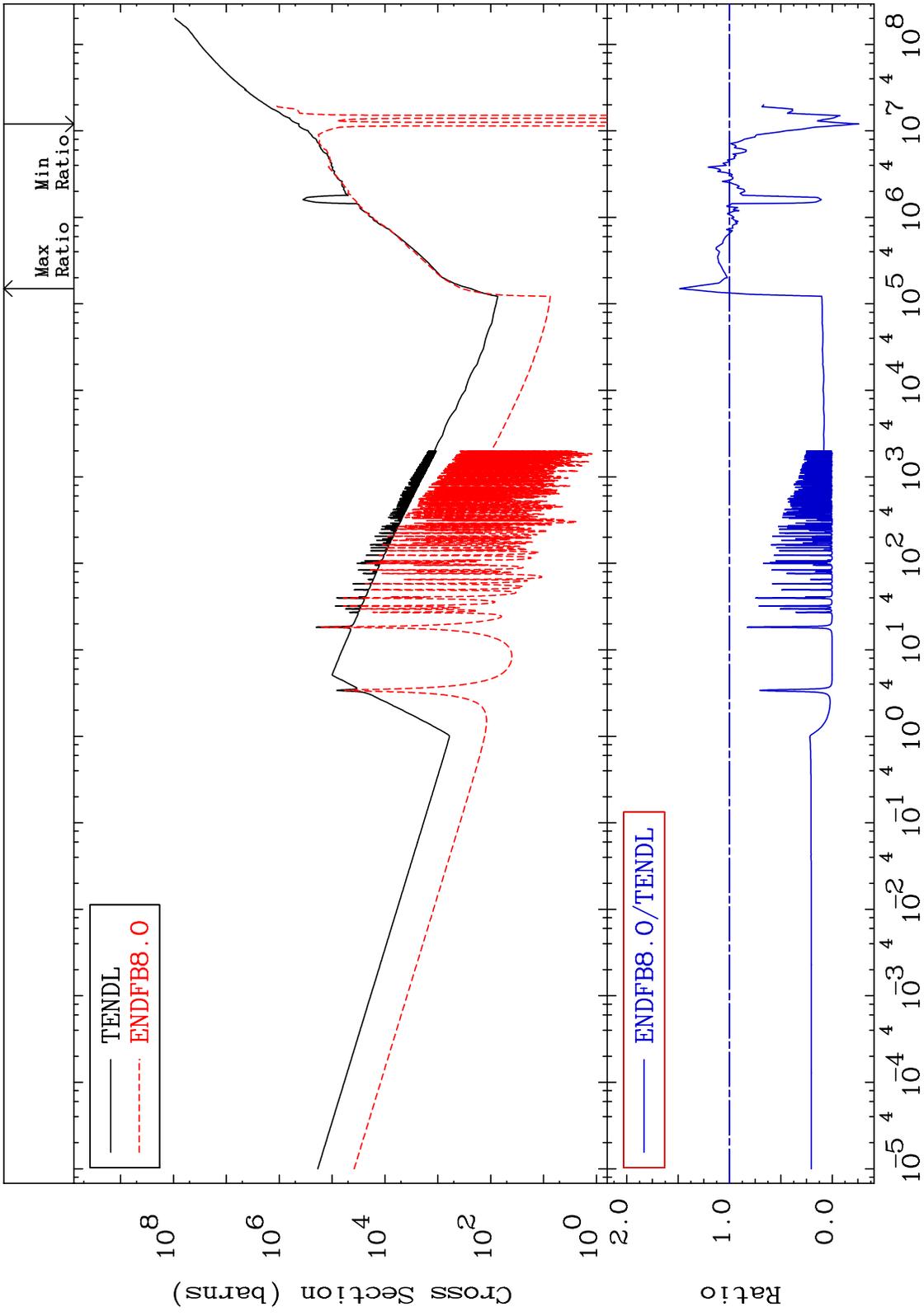


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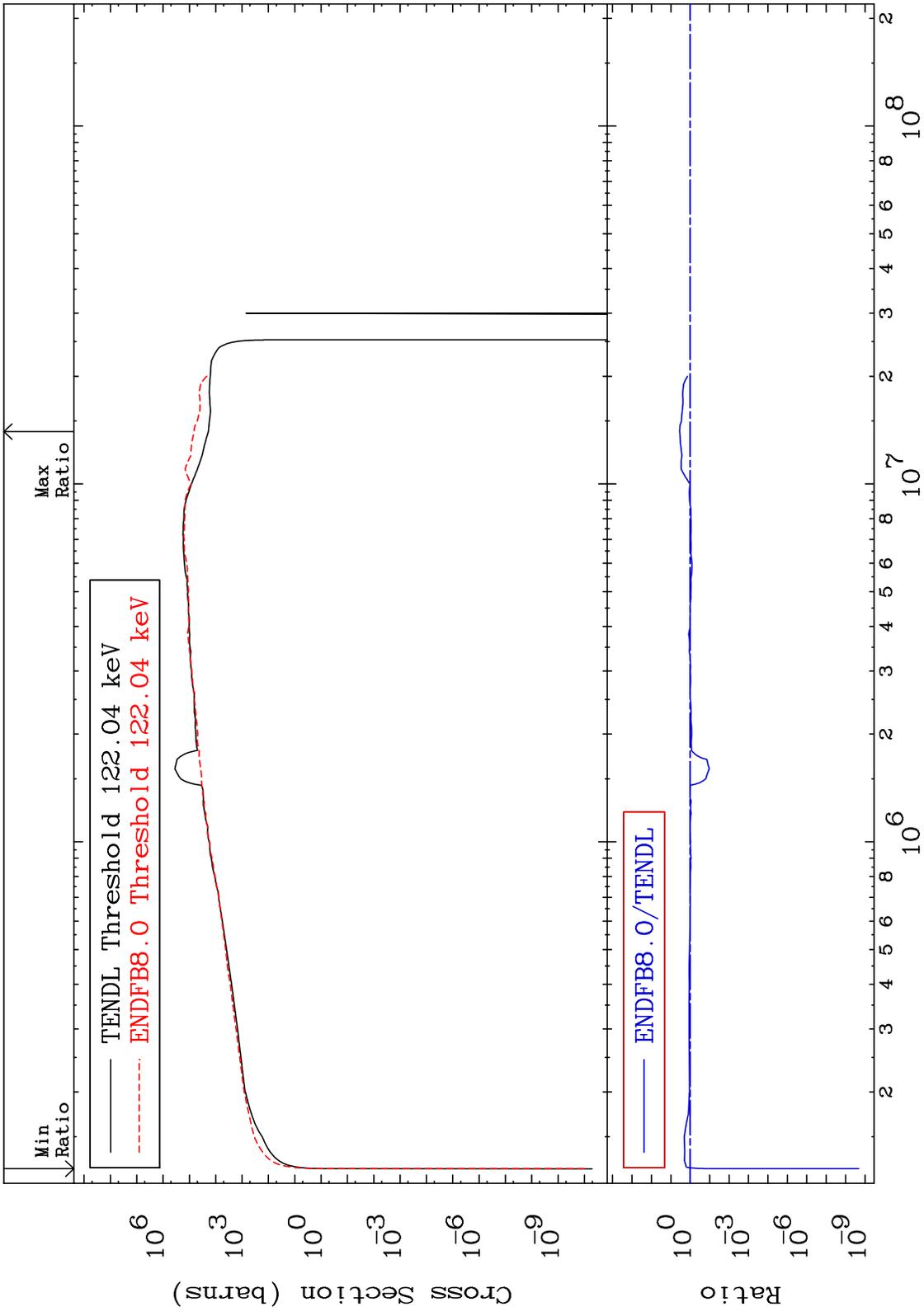
Incident Energy (eV)

62-Sm-147

MAT 6234 Kerma non-elastic (all but mt2) Cross Section 62-Sm-147 -125.9 To 48.40 %



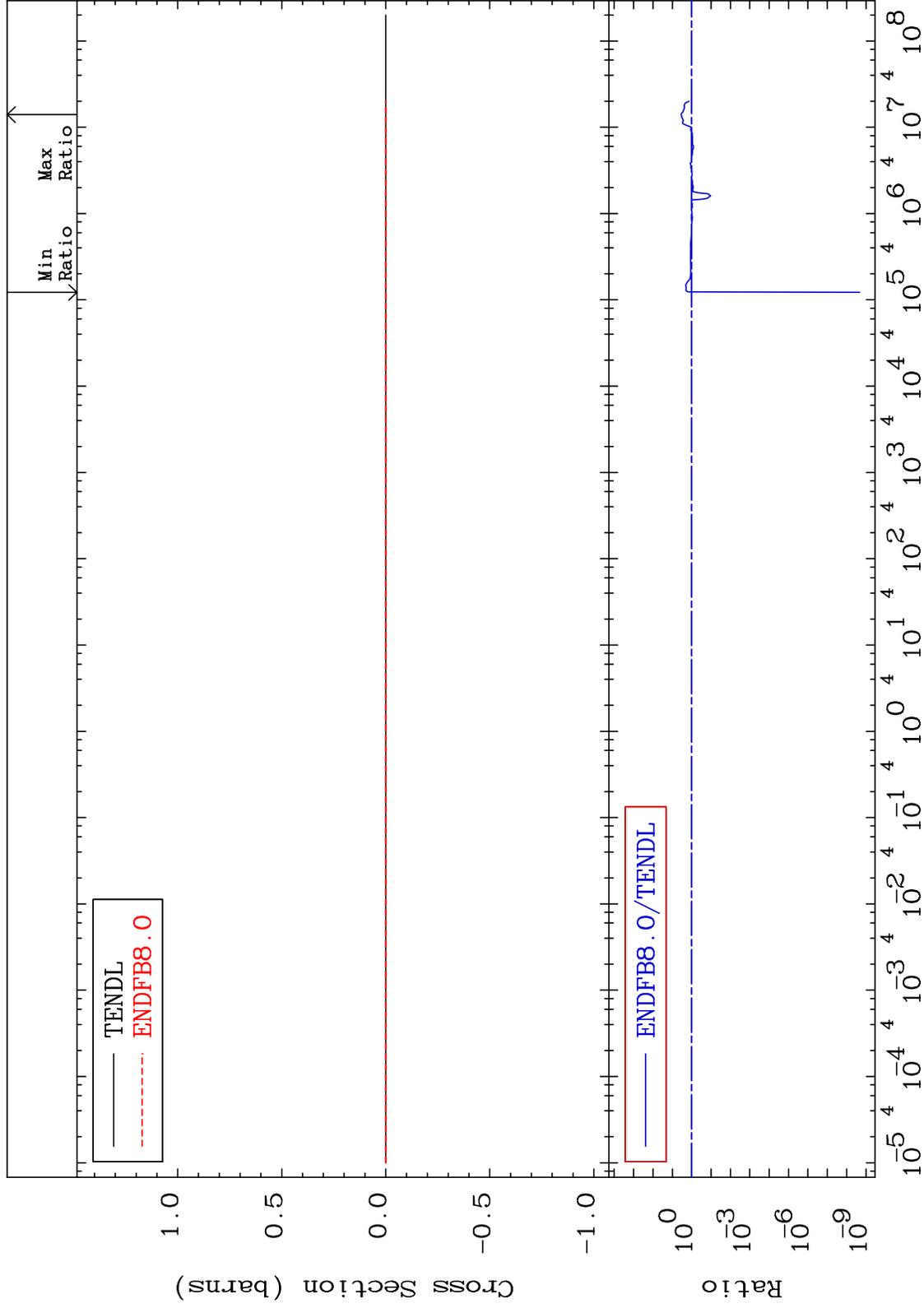
MAT 6234 Kerma inelastic (mt51-91) 62-Sm-147
 -100.0 To 246.7 %



MAT 6234

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

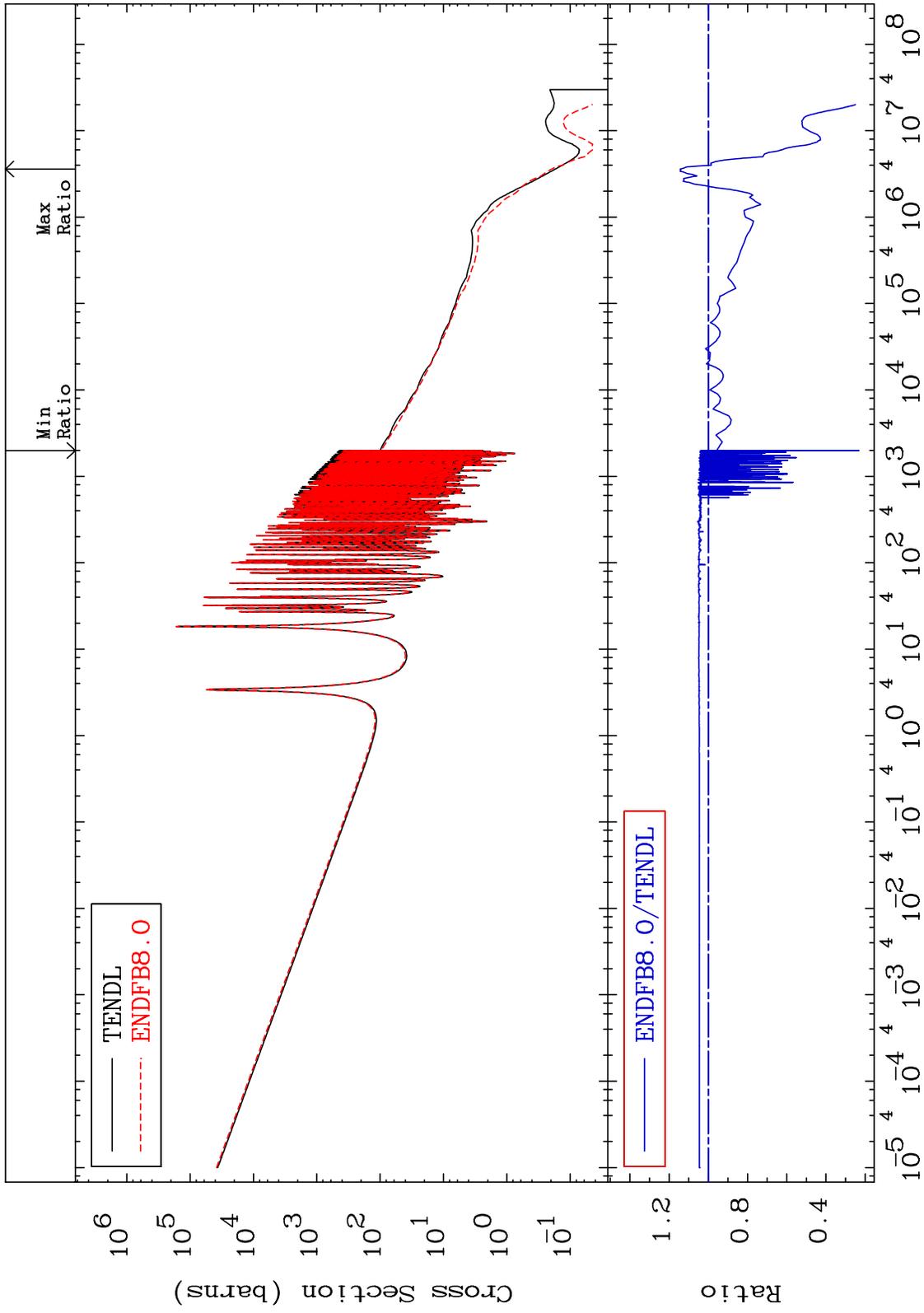
62-Sm-147
-100.0 To 246.7 %



MAT 6234

Kerma capture (mt102)
Cross Section

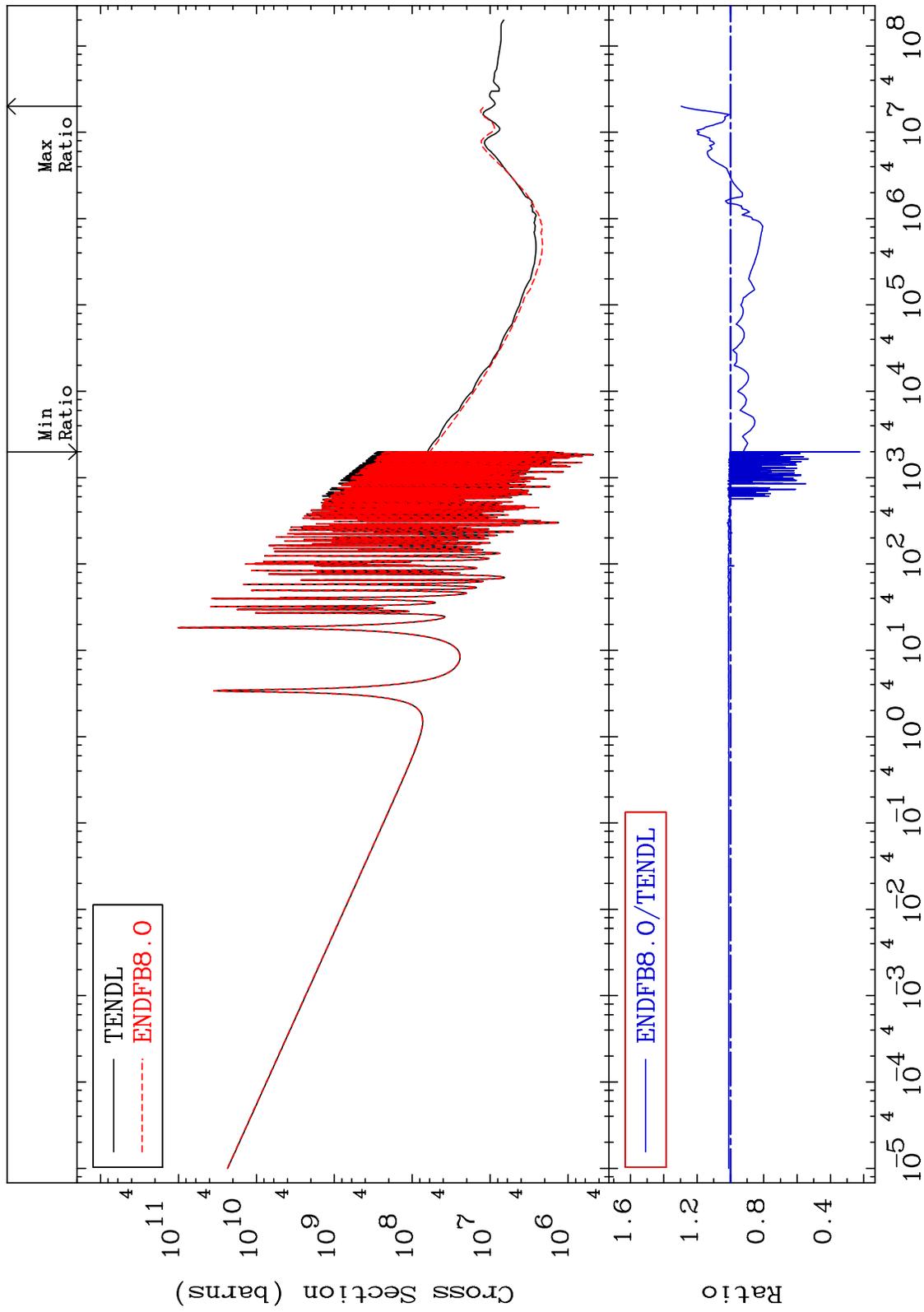
62-Sm-147
-76.80 To 14.35 %



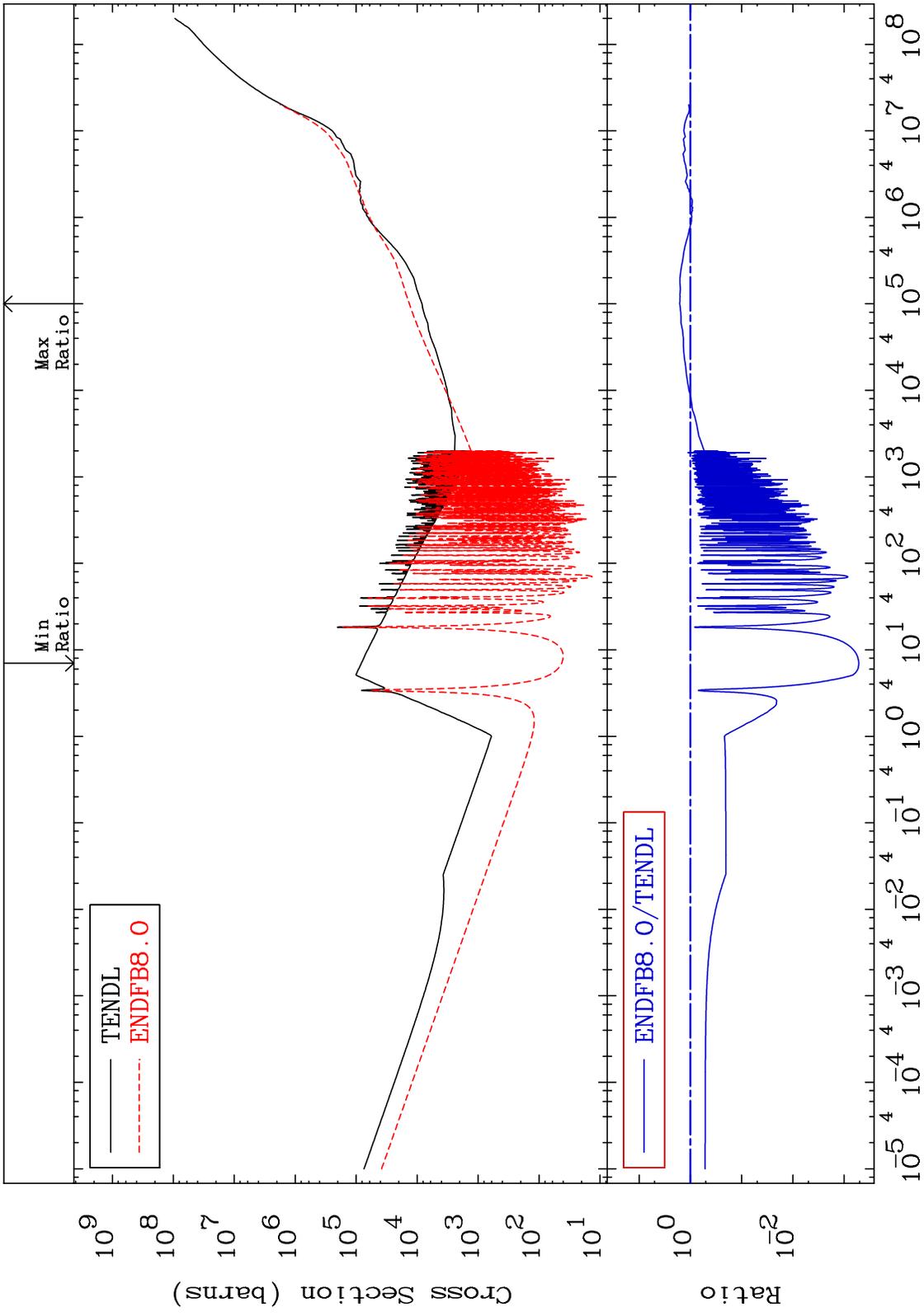
MAT 6234

Total photon (eV-barns)
Cross Section

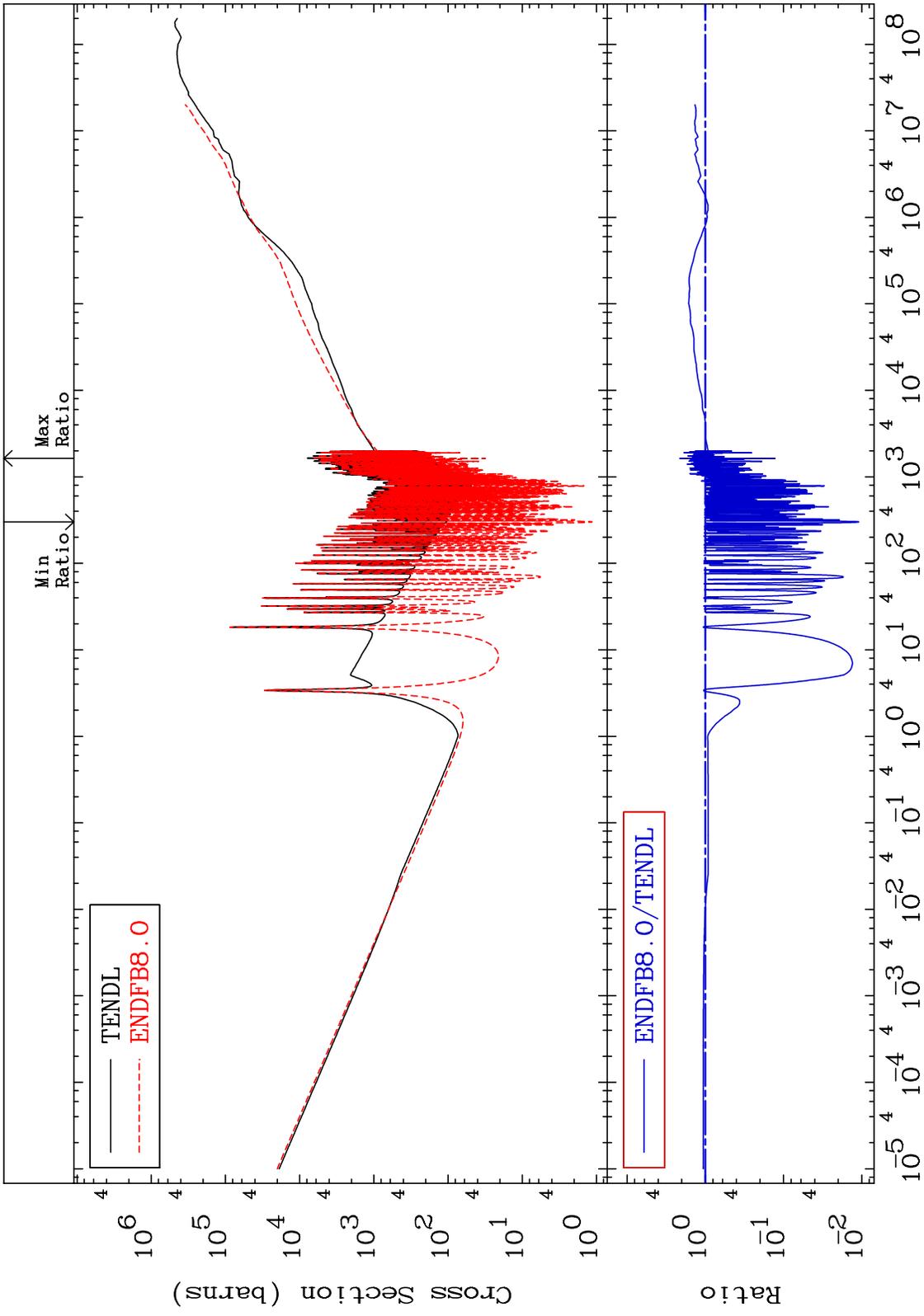
62-Sm-147
-77.61 To 29.51 %



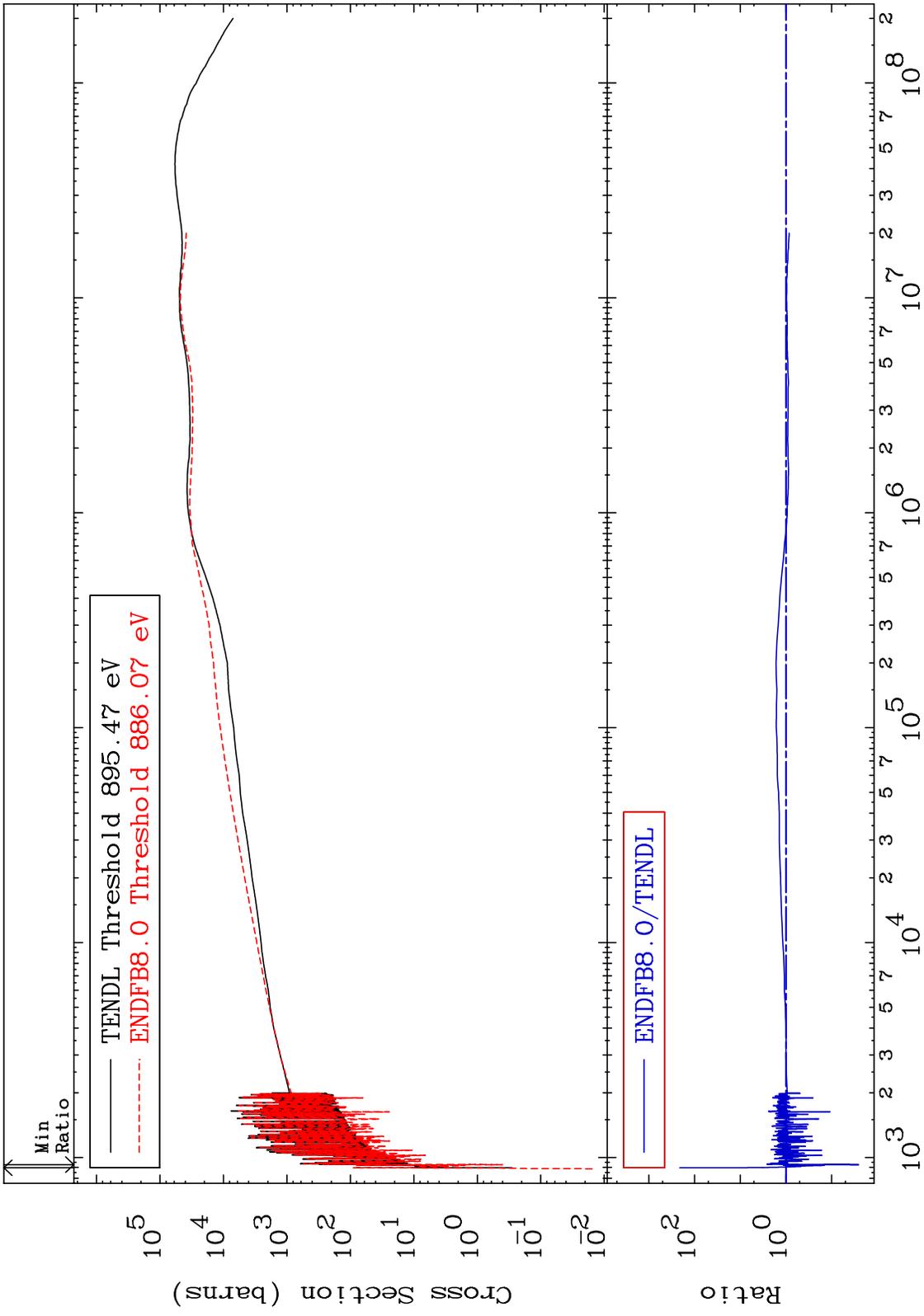
MAT 6234 Total kinematic kerma (high limit) 62-Sm-147
 Cross Section -99.95 To 61.27 %



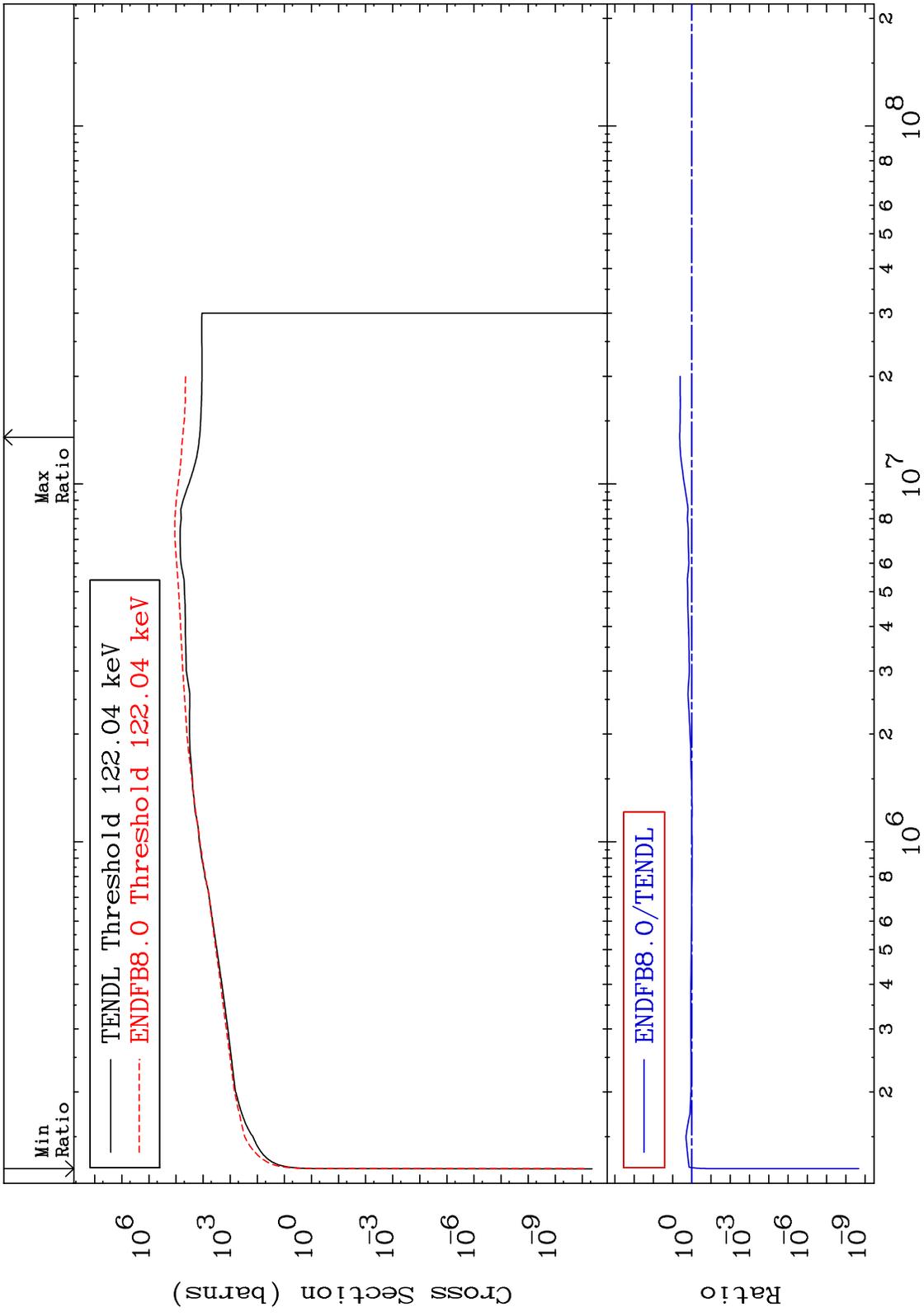
MAT 6234 Dpa total (eV-barns) 62-Sm-147
 Cross Section -98.91 To 112.1 %



MAT 6234 Dpa elastic (mt2) 62-Sm-147
Cross Section -97.45 To 9999. %



MAT 6234 Dpa inelastic (mt51-91) 62-Sm-147
 Cross Section -100.0 To 324.2 %



MAT 6234 Dpa disappearance (mt102 -120) 62-Sm-147
 Cross Section -98.91 To 1031. %

