

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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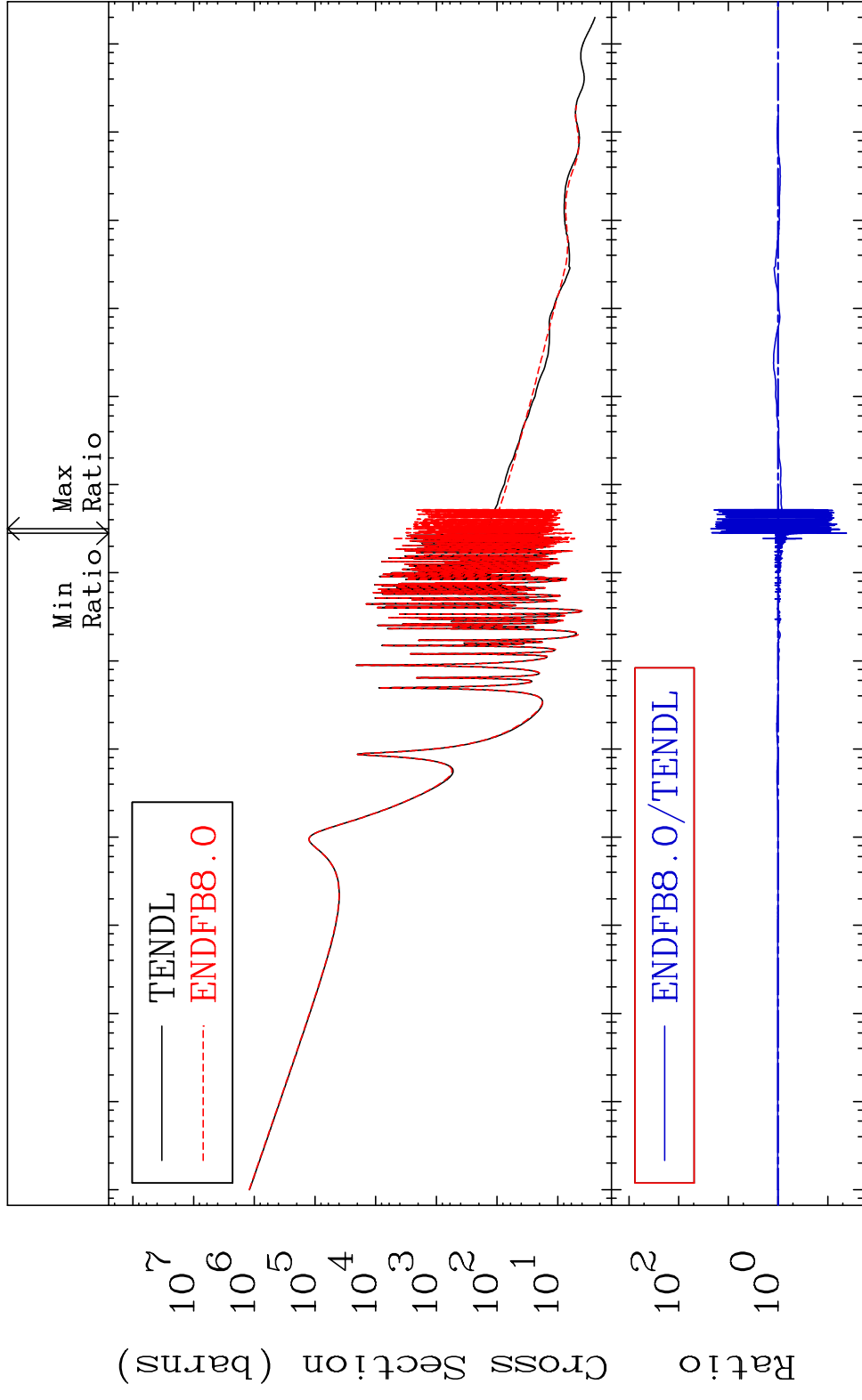
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6240

Total Cross Section -95.77 To 2165. %
62-Sm-149



1 Incident Energy (eV) 62-Sm-149

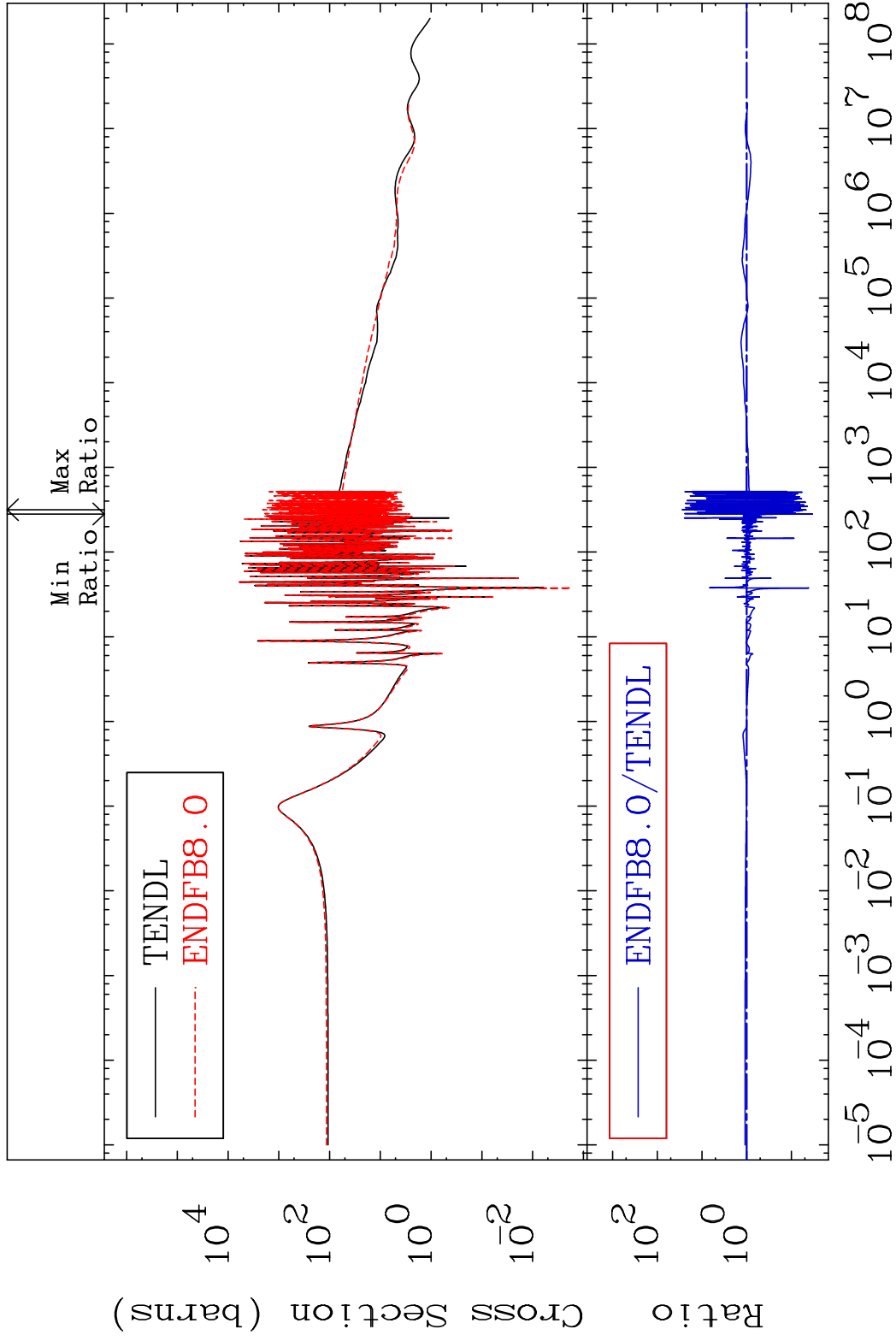
MAT 6240

Elastic

62-Sm-149

Cross Section

-96.65 To 2638. %

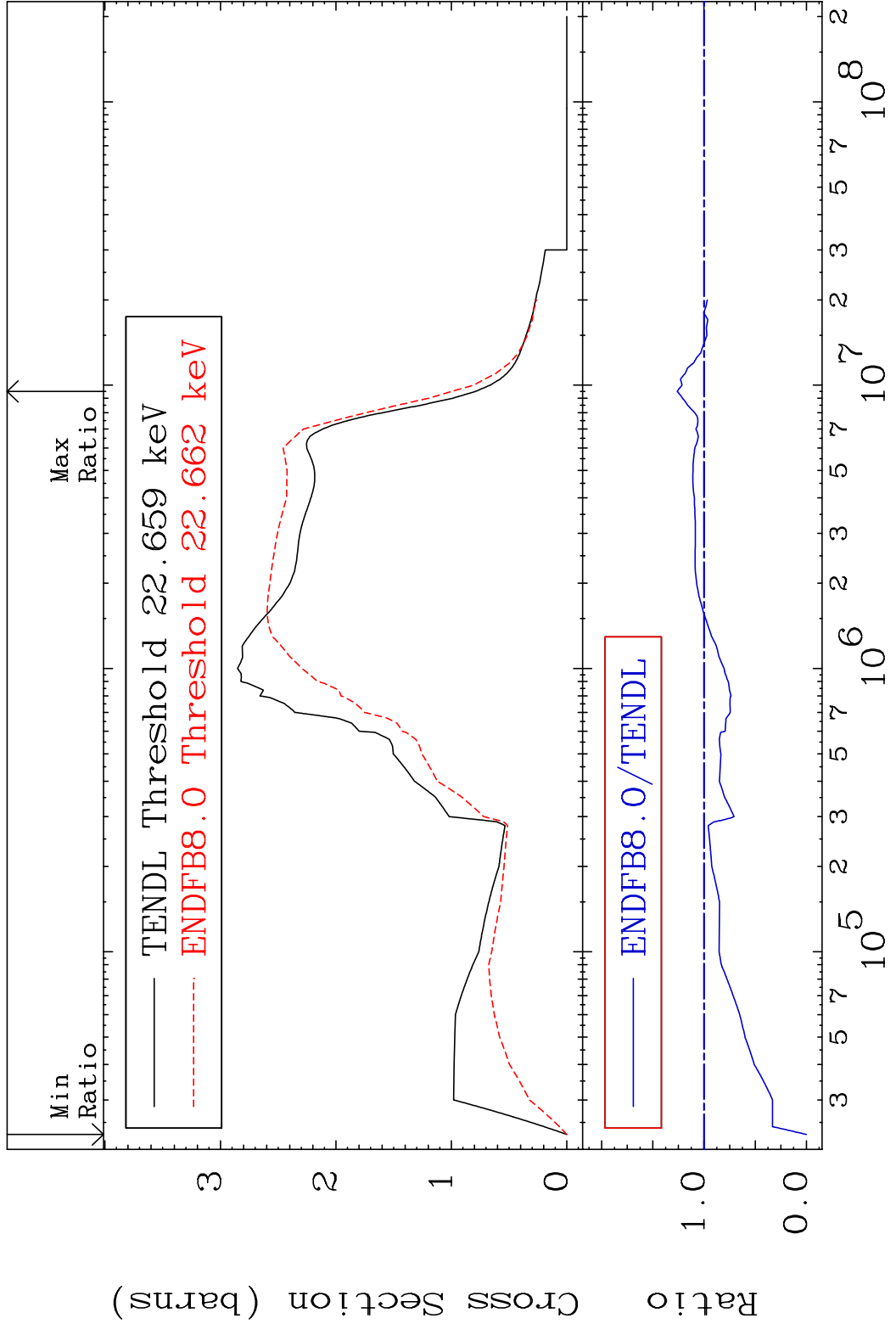


2

Incident Energy (eV)

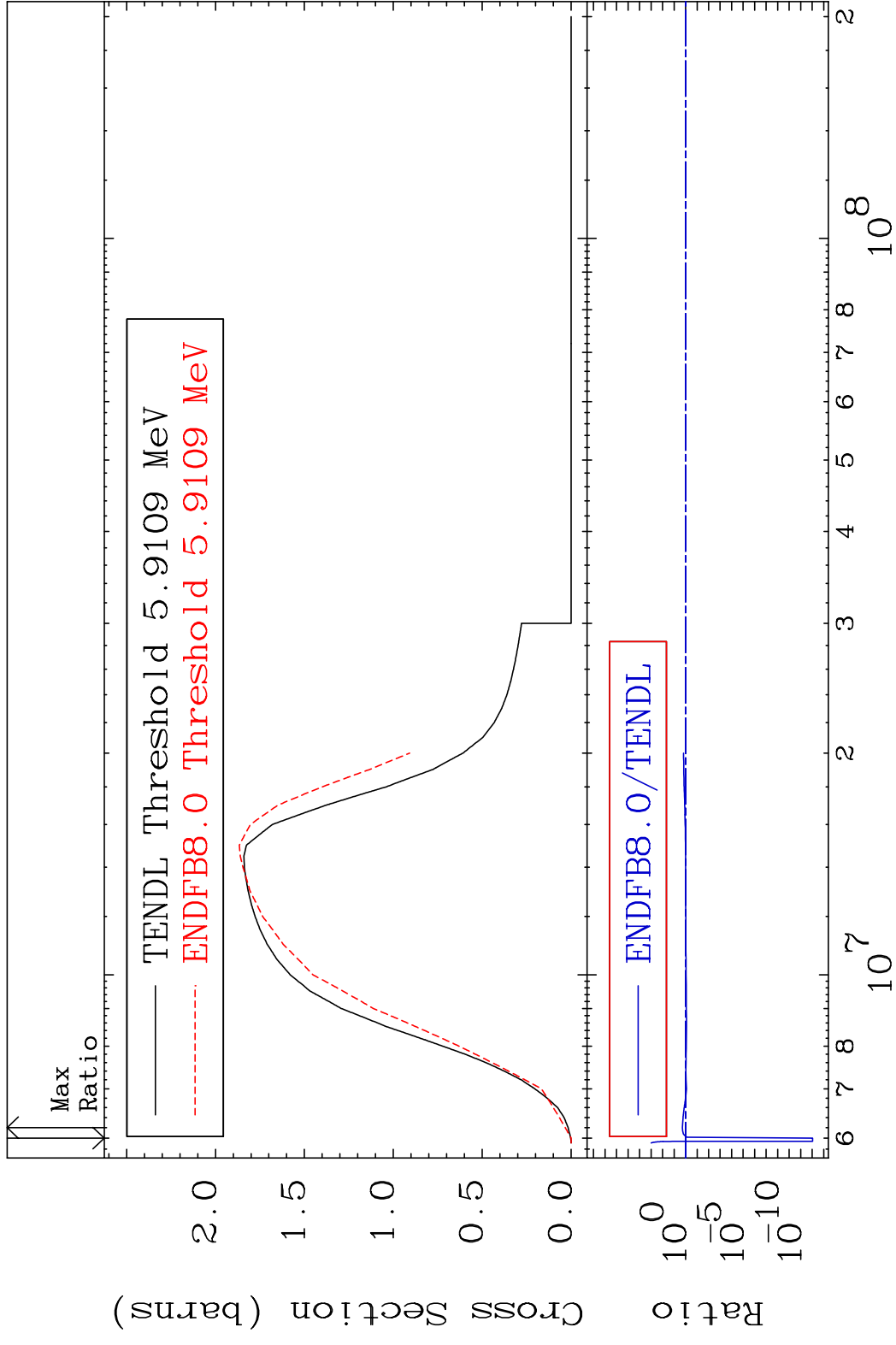
62-Sm-149

MAT 6240 Inelastic 62-Sm-149
 Cross Section -100.0 To 26.23 %



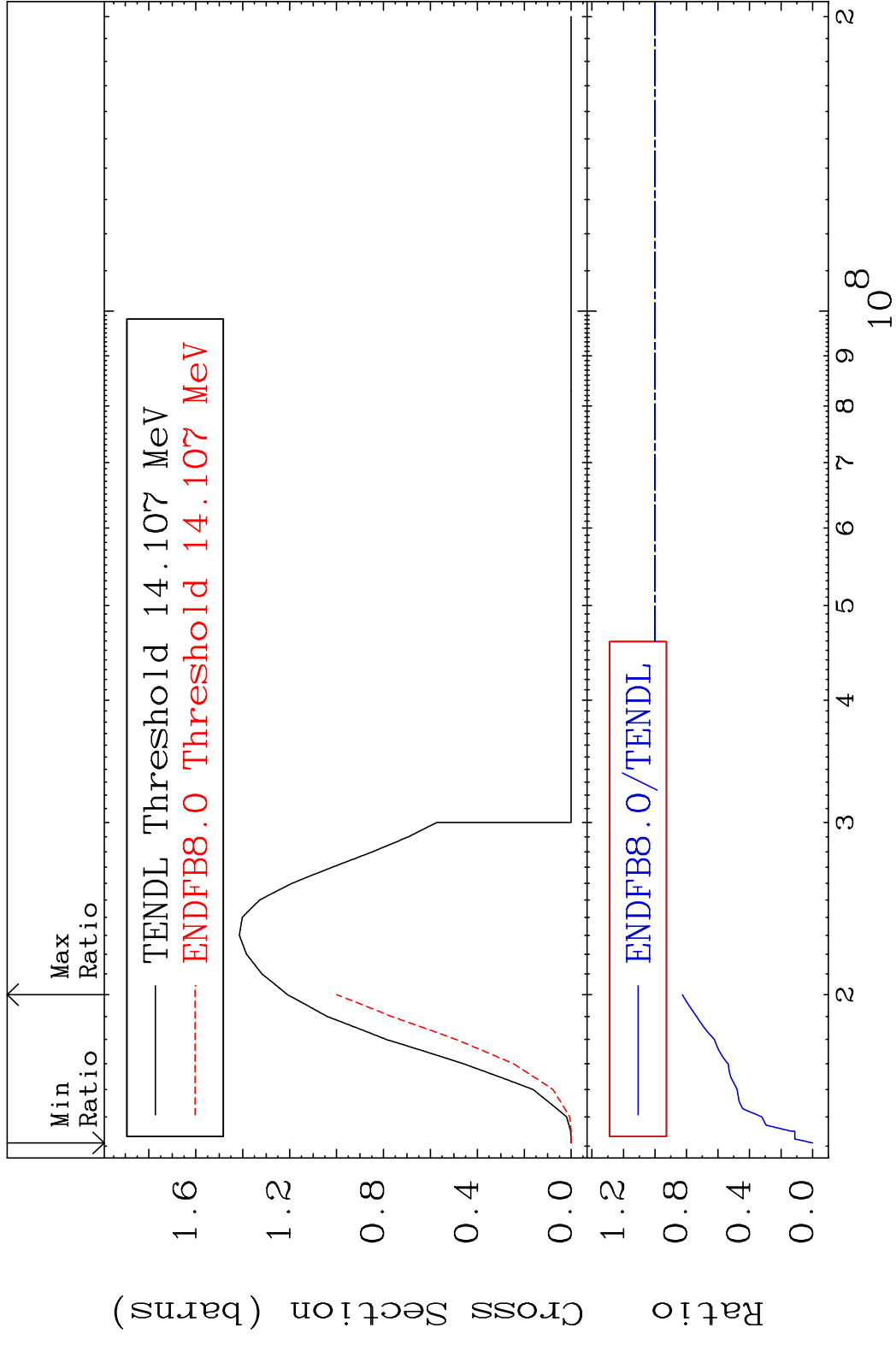
3 3 3 5 7 10⁵ 2 3 5 7 10⁷ 2 3 5 7 10⁸ 2
 62-Sm-149

MAT 6240 (n,2n) 62-Sm-149
 Cross Section -100.0 To 91.03 %



4 Incident Energy (eV) 62-Sm-149

MAT 6240 (n,3n) 62-Sm-149
 Cross Section -100.0 To -17.37%

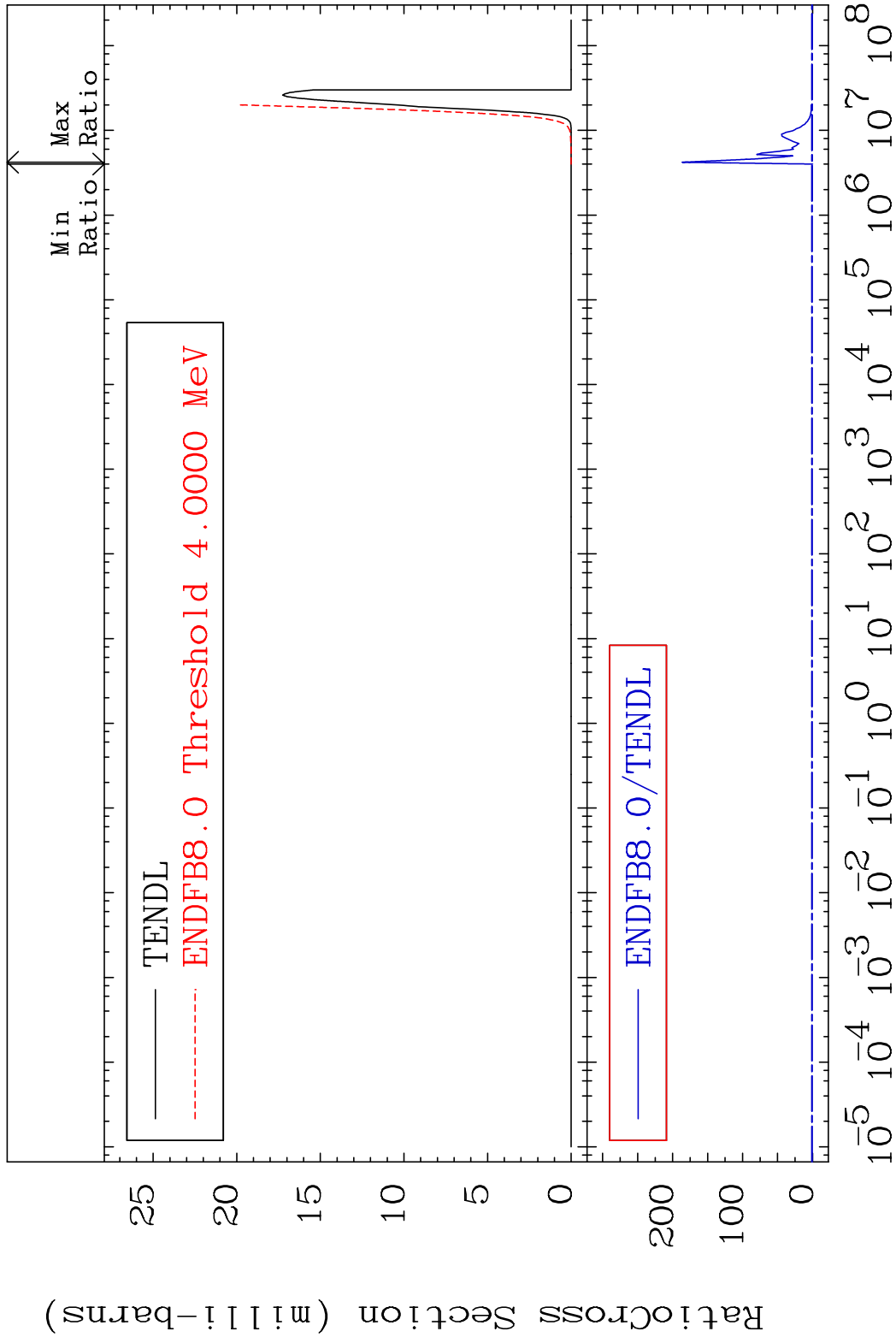


MAT 6240

(n, n') α

62-Sm-149

Cross Section -100.0 To 9999. %

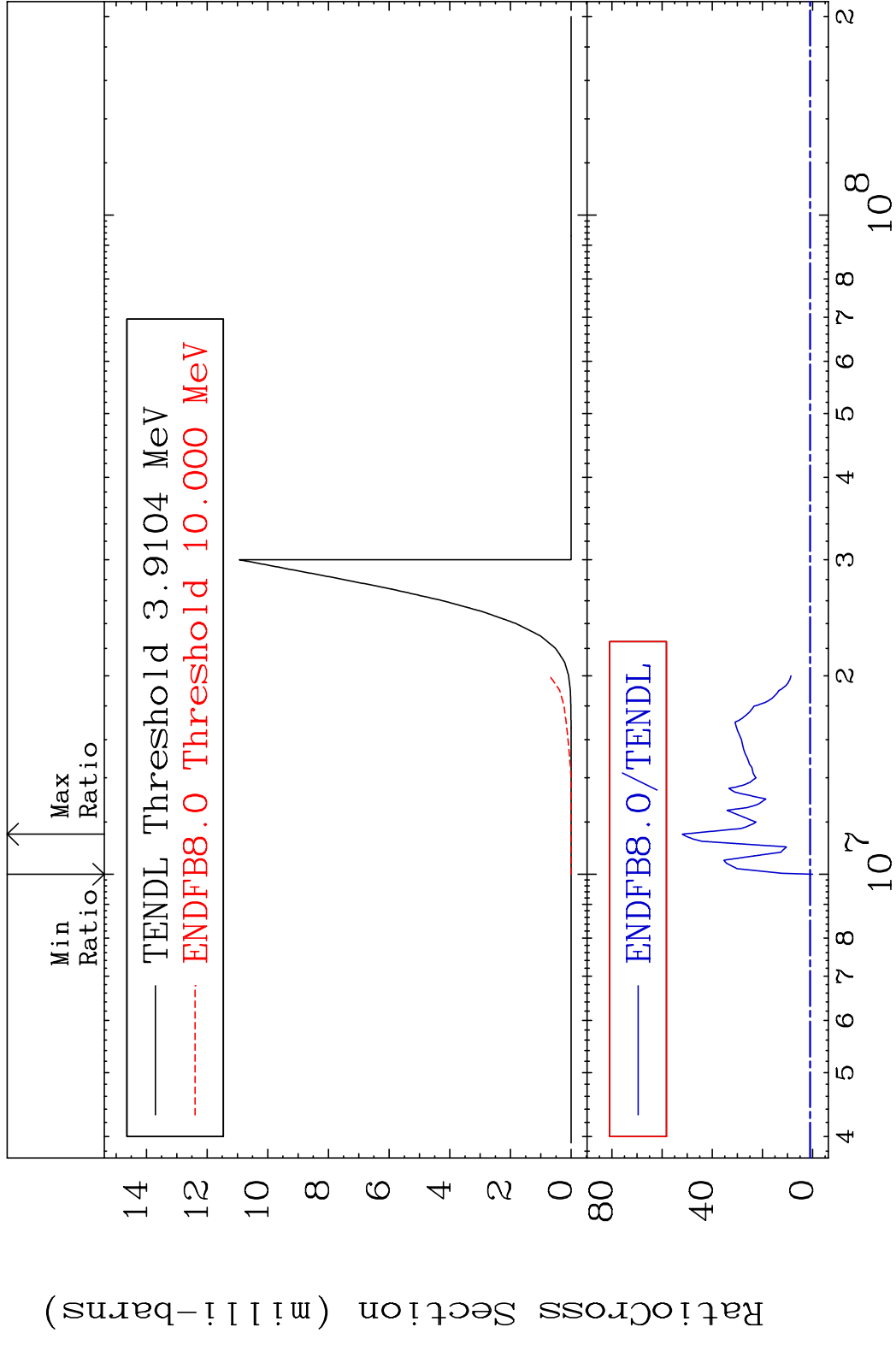


6

Incident Energy (eV)

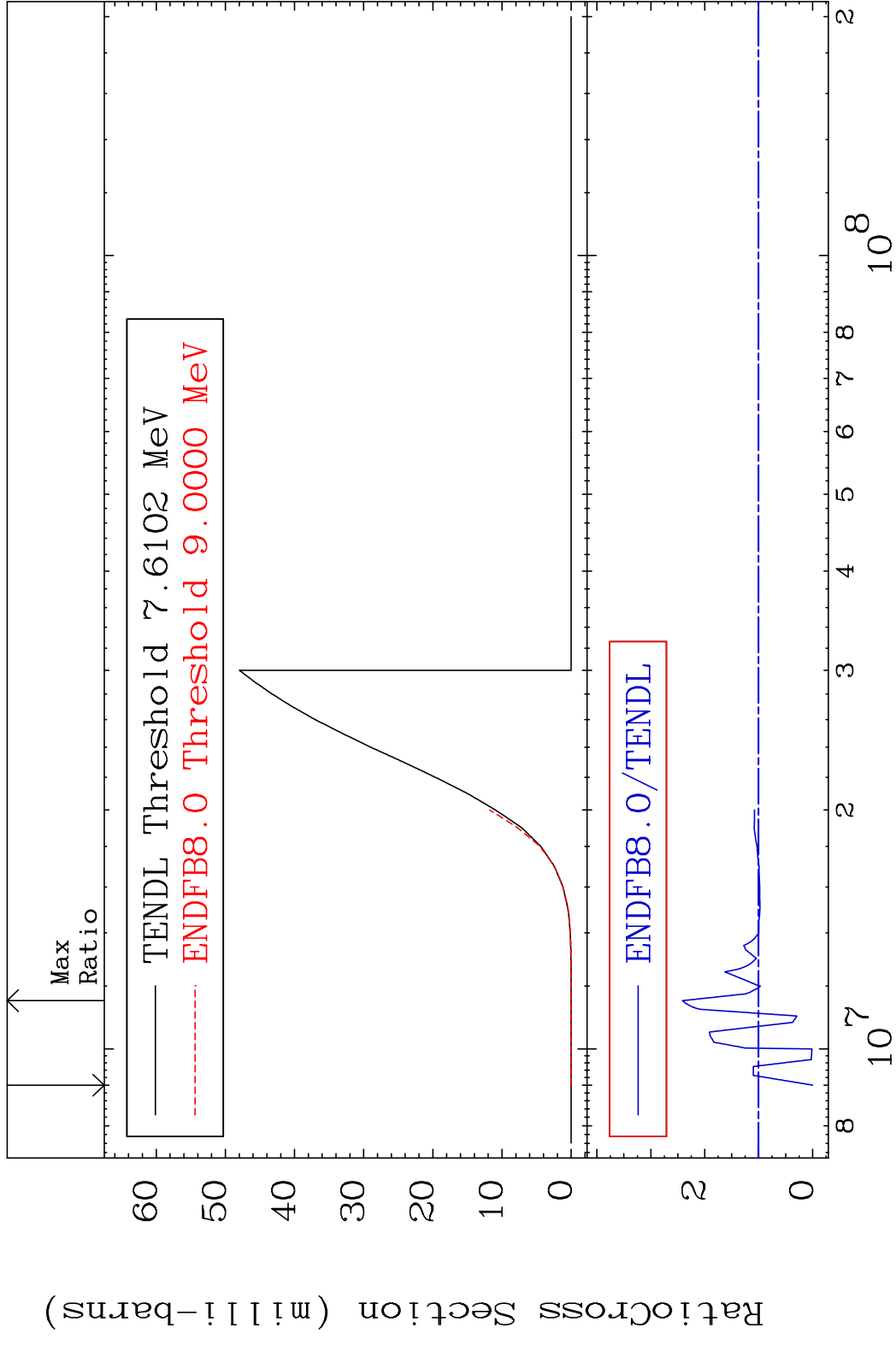
62-Sm-149

MAT 6240 (n,2n) α 62-Sm-149
 Cross Section -100.0 To 5089. %



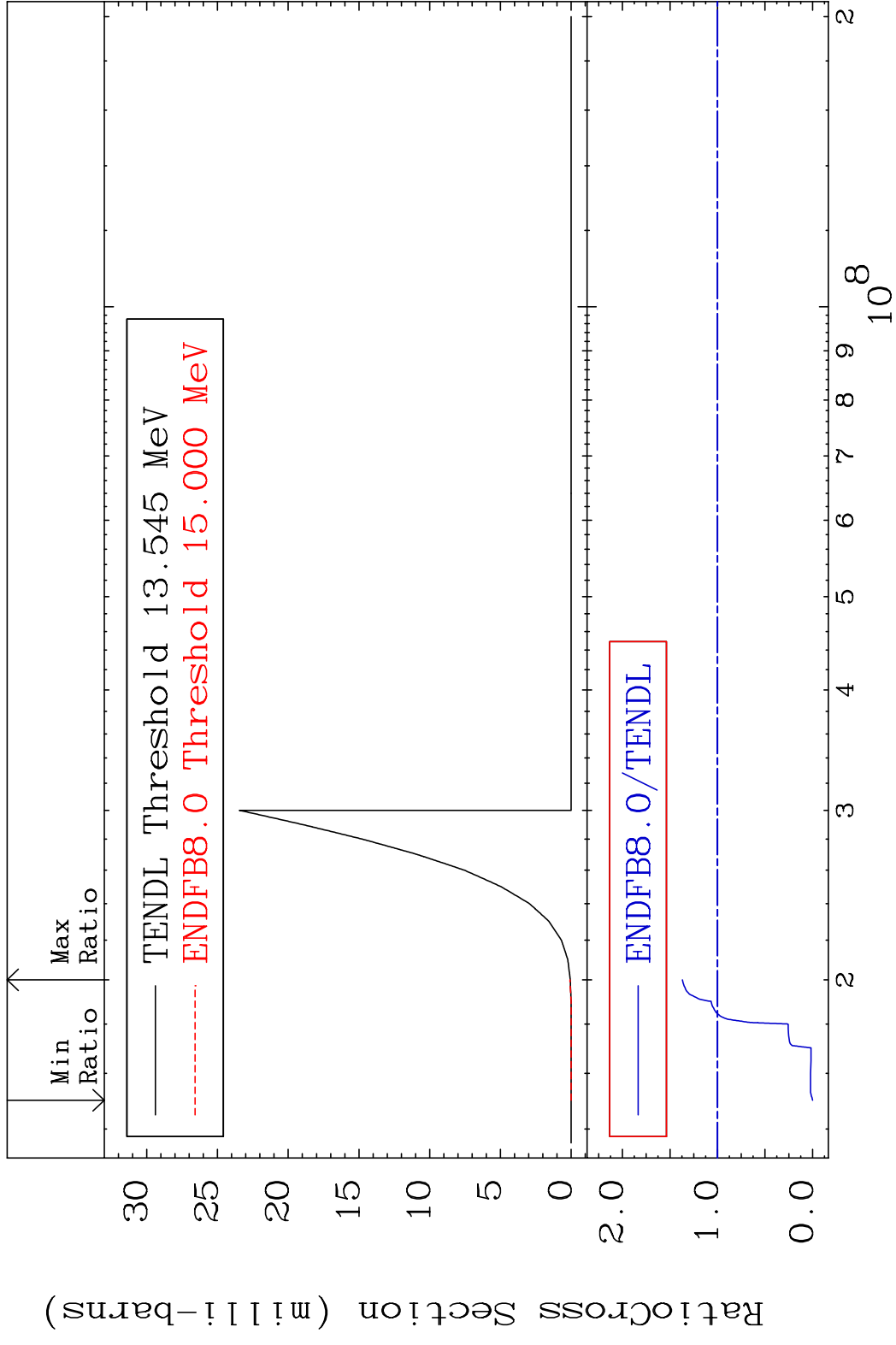
7 Incident Energy (eV) 62-Sm-149

MAT 6240 (n, n') p 62-Sm-149
 Cross Section -100.0 To 141.5 %

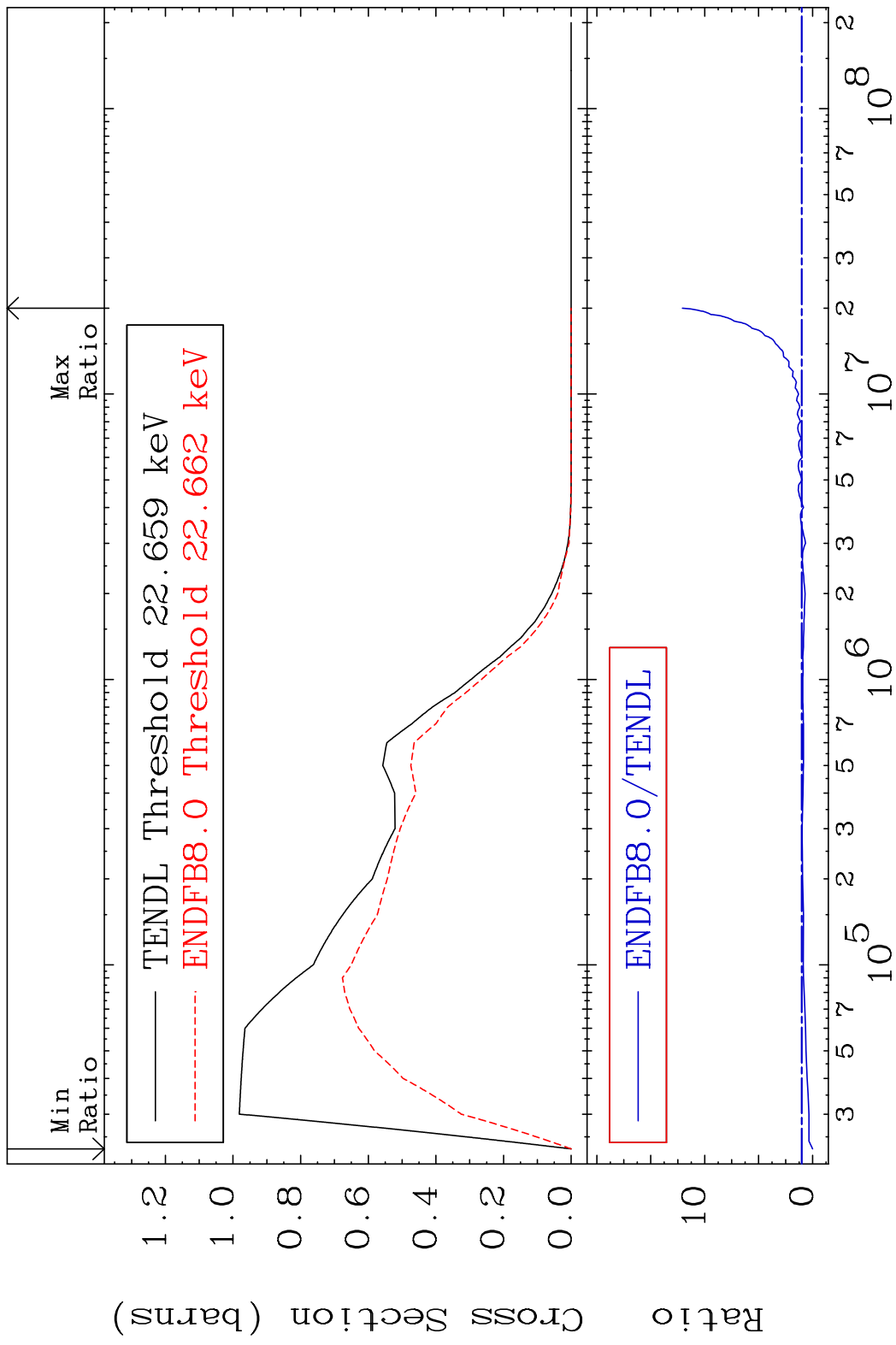


8 8 Incident Energy (eV) 62-Sm-149

MAT 6240 (n,2n) p 62-Sm-149
 Cross Section -100.0 To 36.98 %

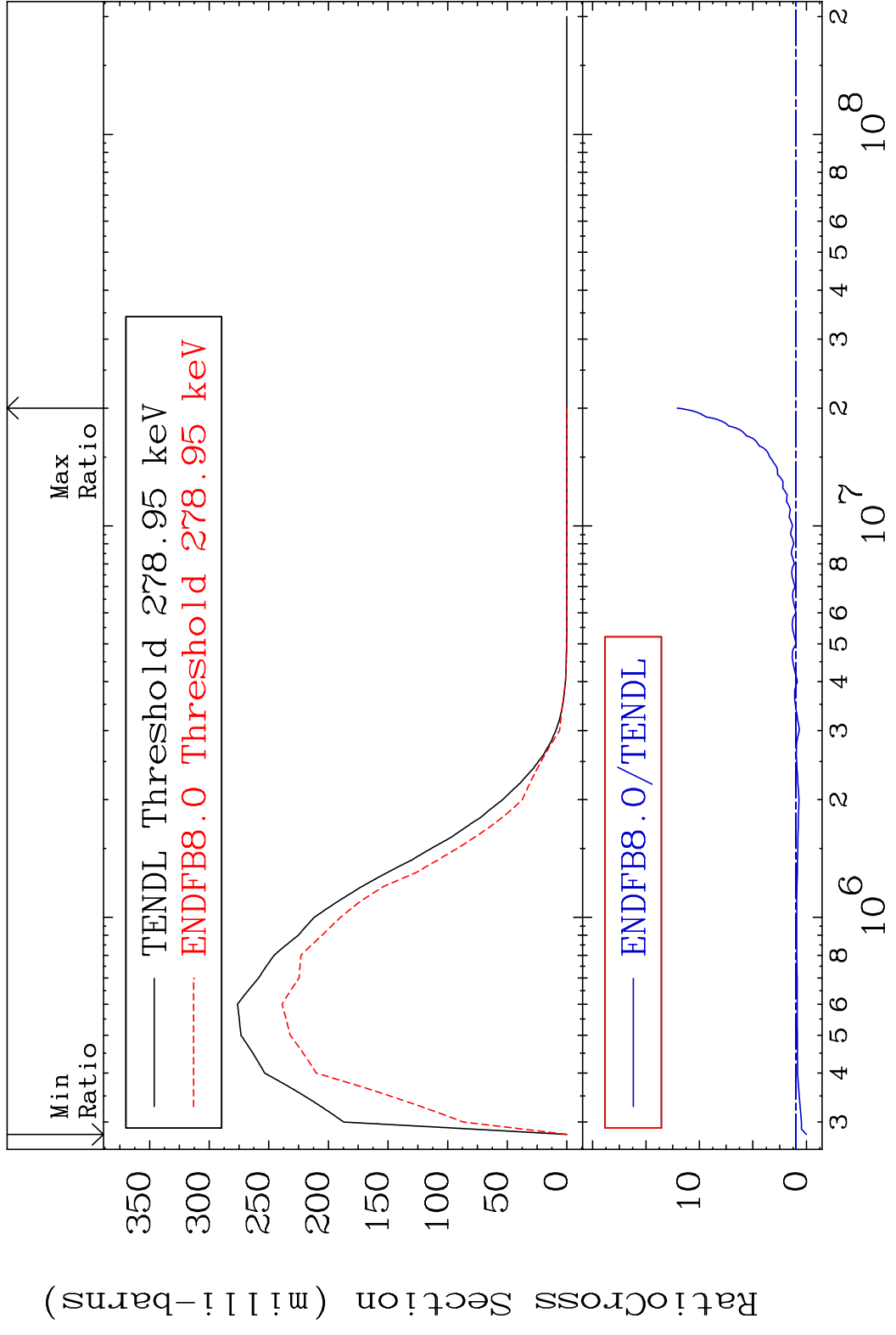


MAT 6240 MT= 51 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 1107. %

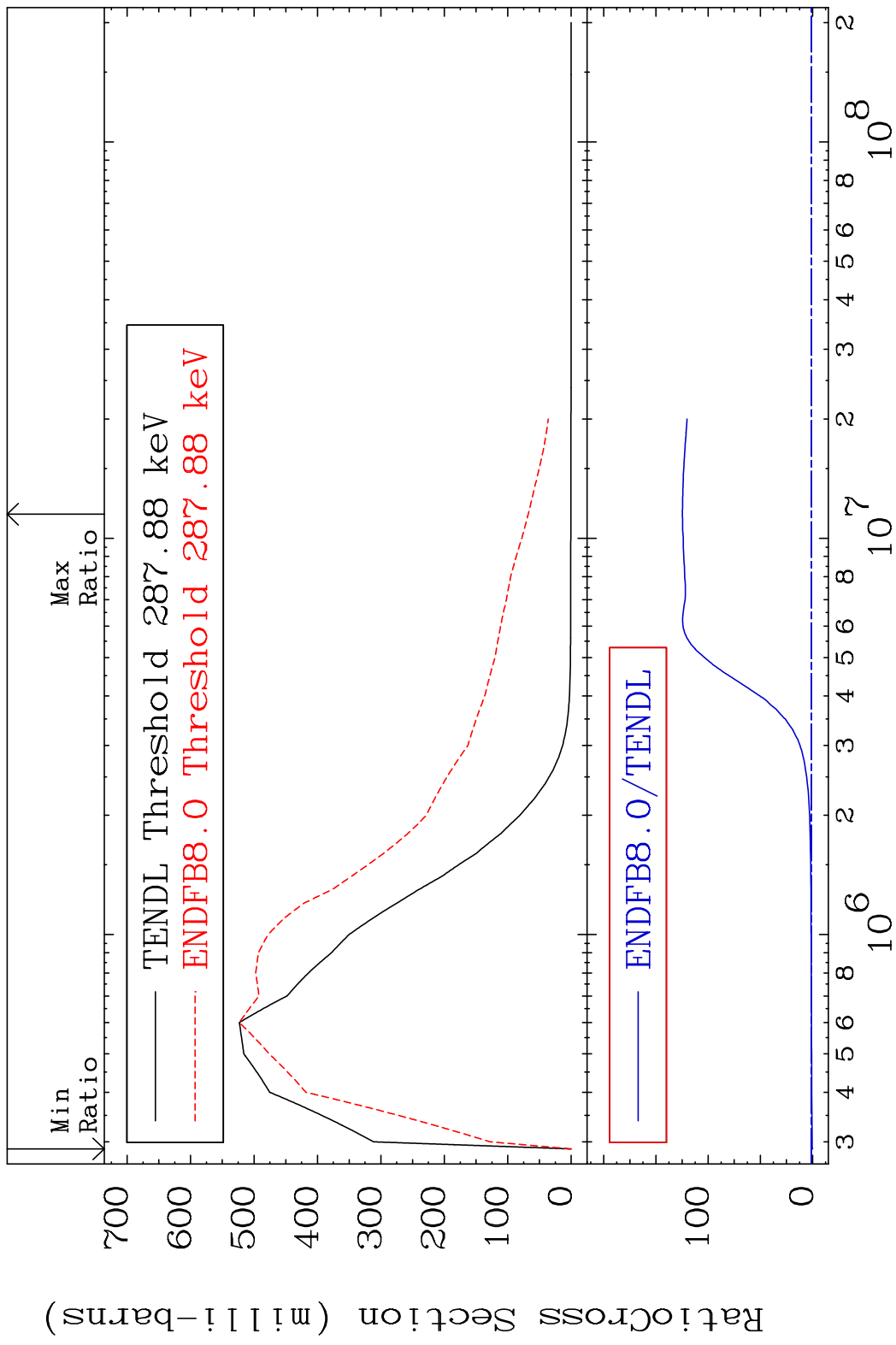


10 Incident Energy (eV) 62-Sm-149

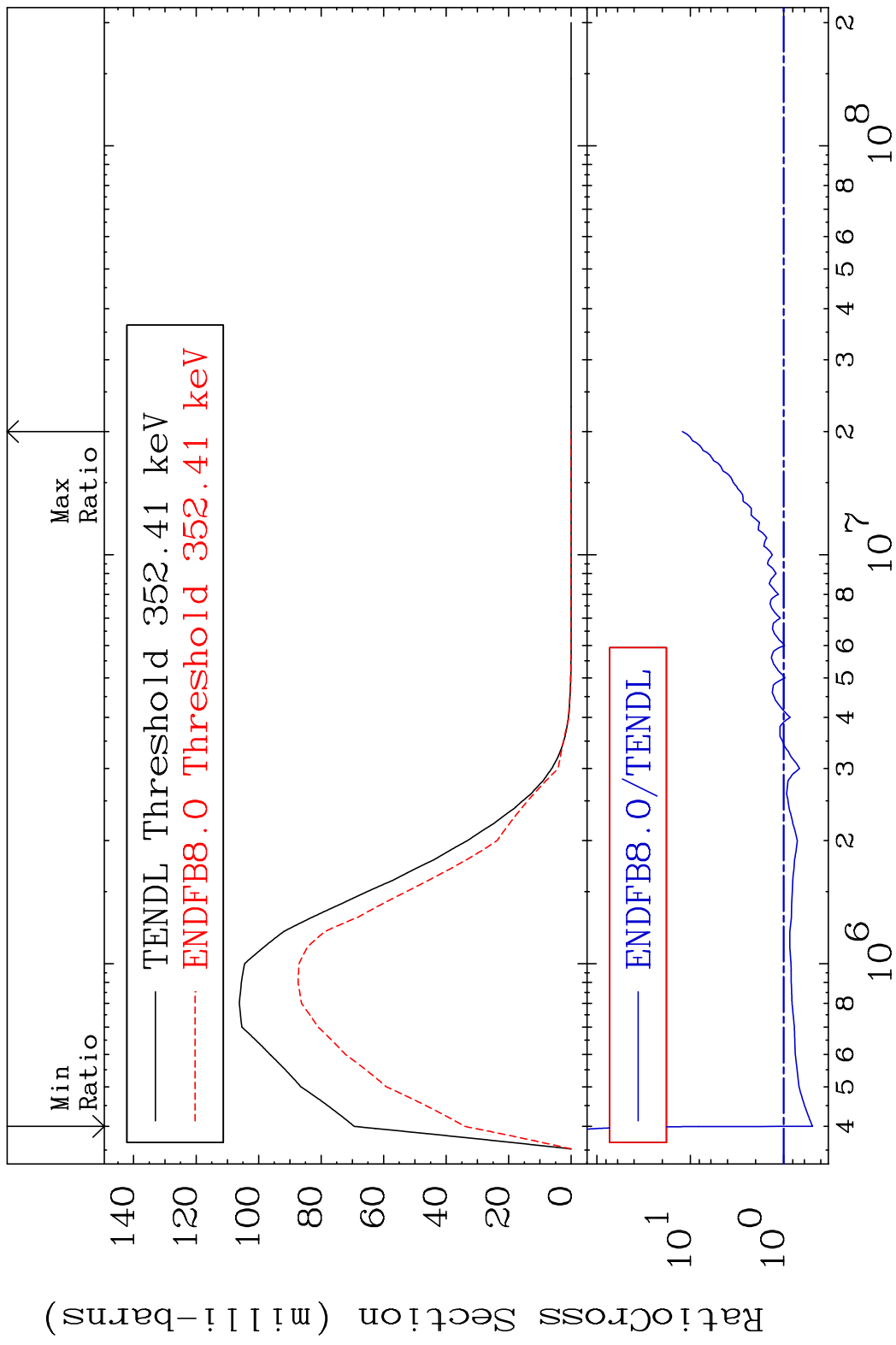
MAT 6240 MT= 52 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 1108. %



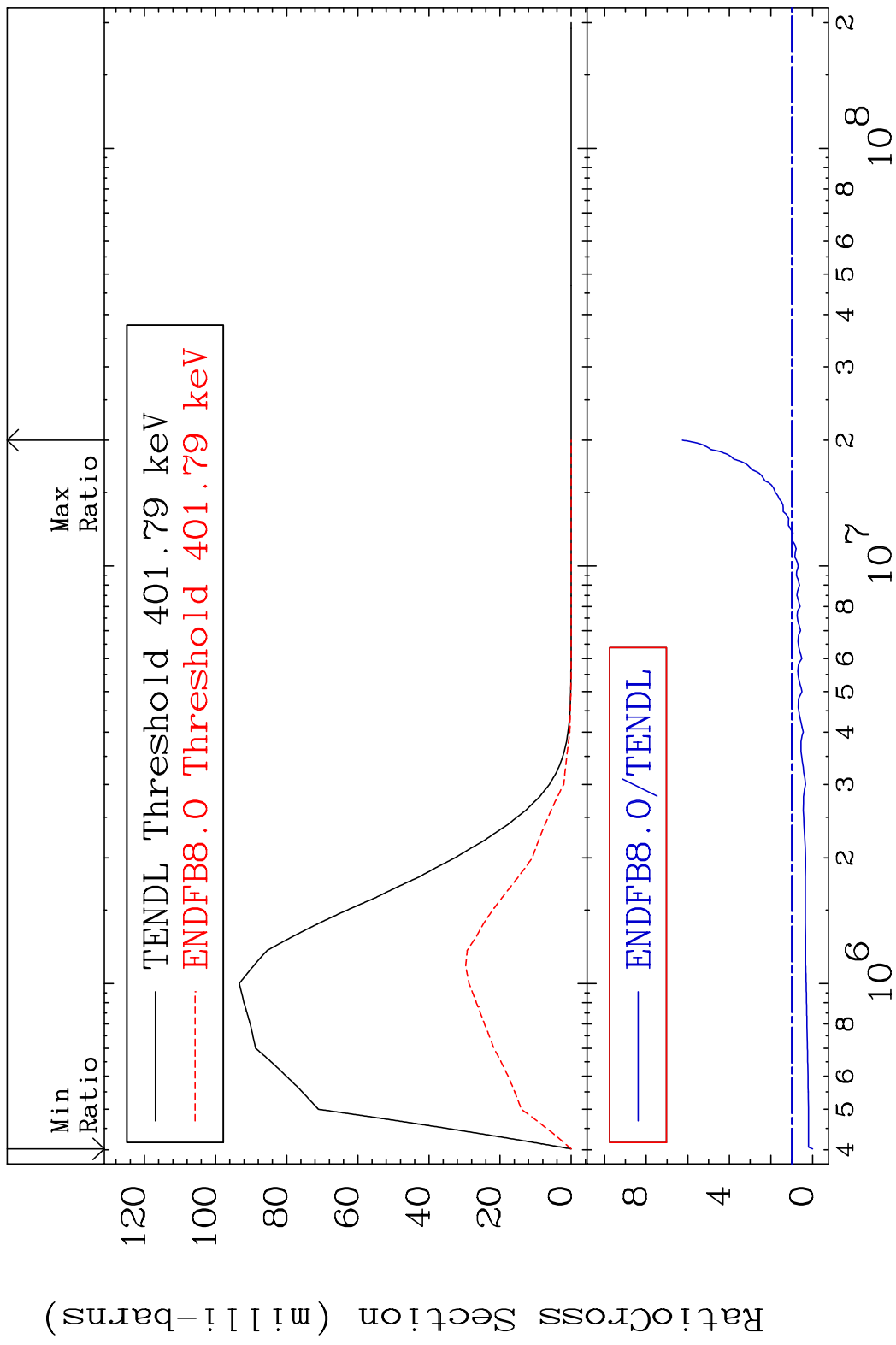
MAT 6240 MT= 53 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 9999. %



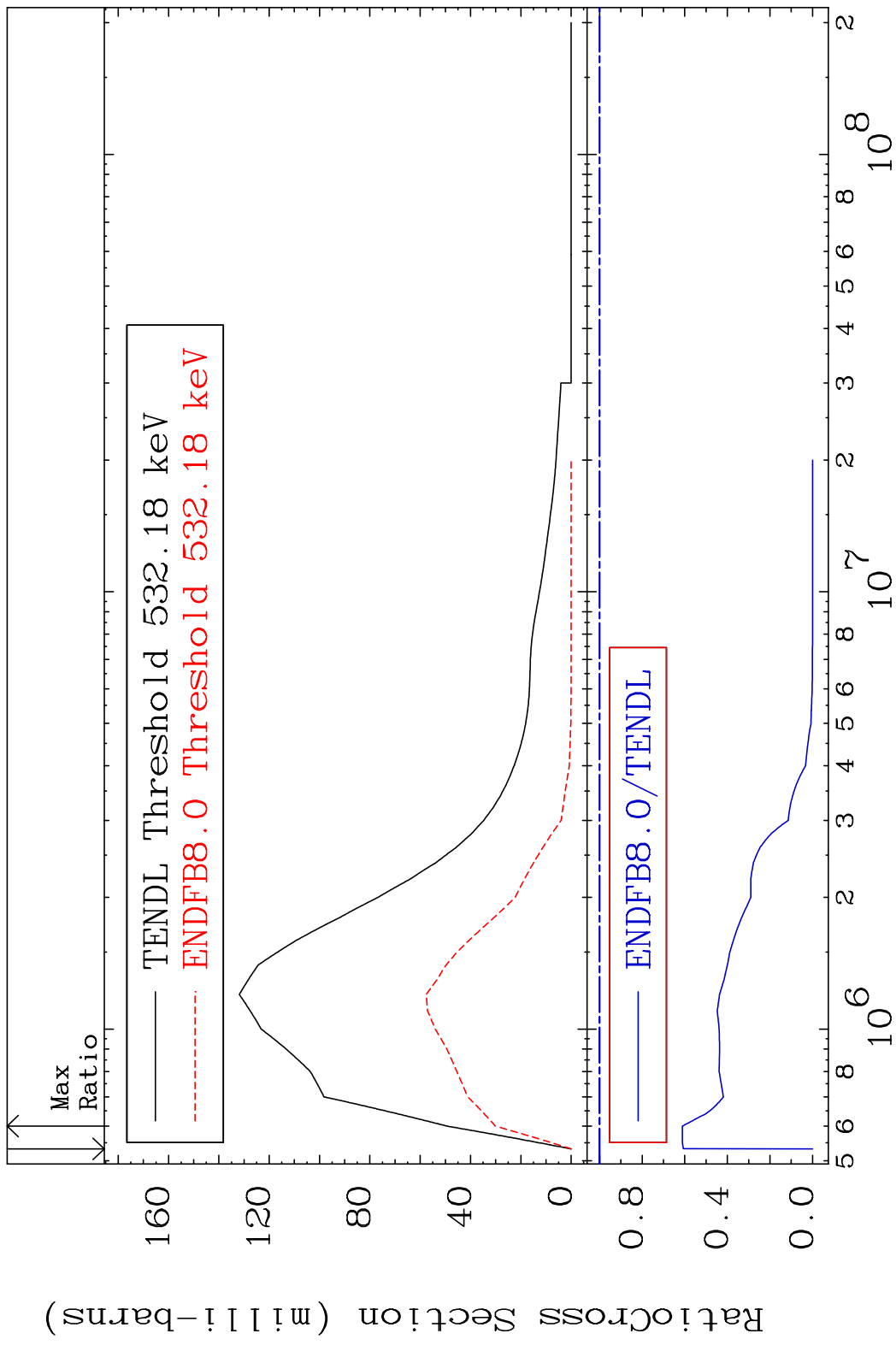
MAT 6240 MT= 54 (n,n') Level 62-Sm-149
 Cross Section -51.02 To 1117. %



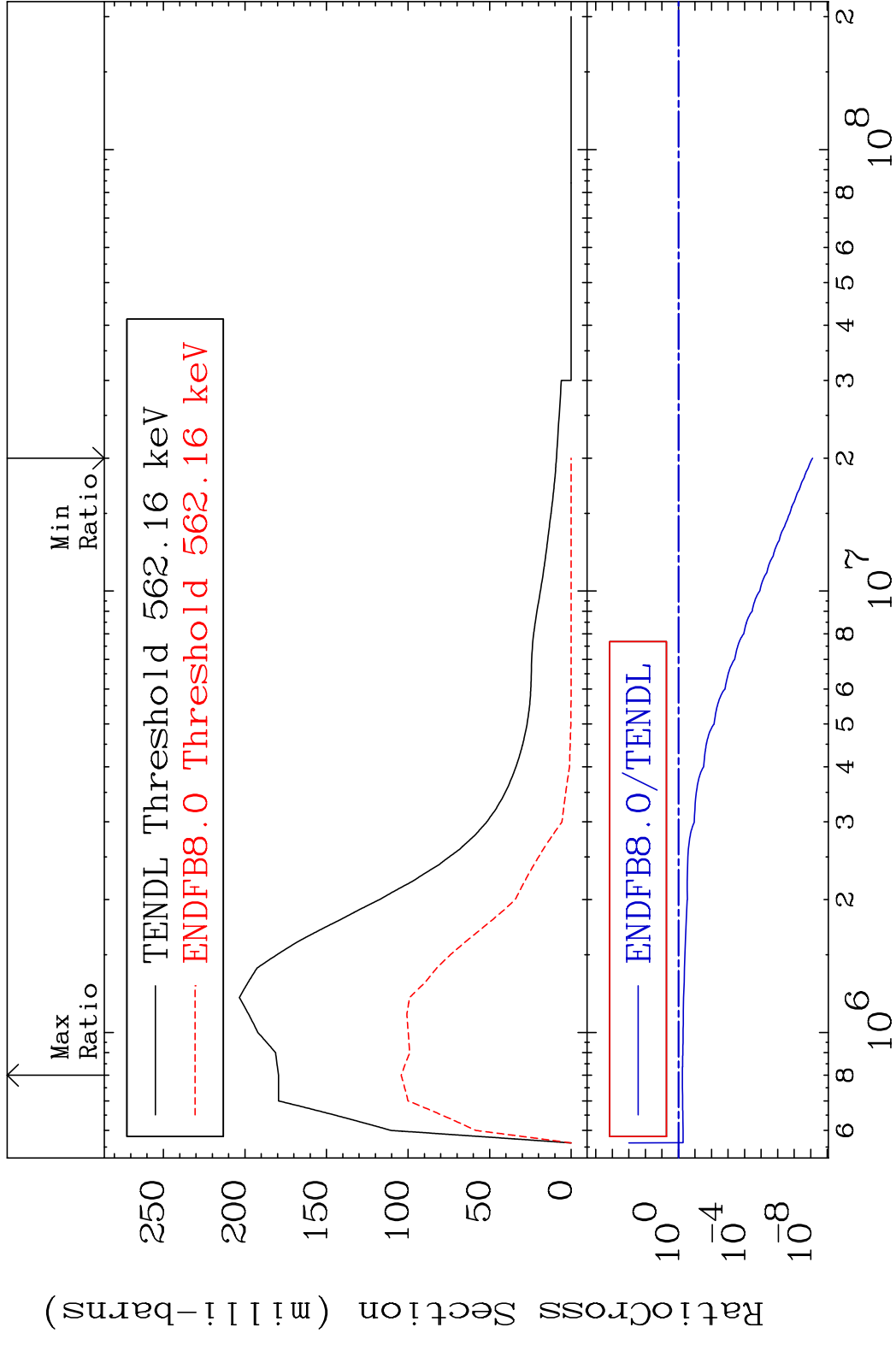
MAT 6240 MT= 55 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 526.2 %



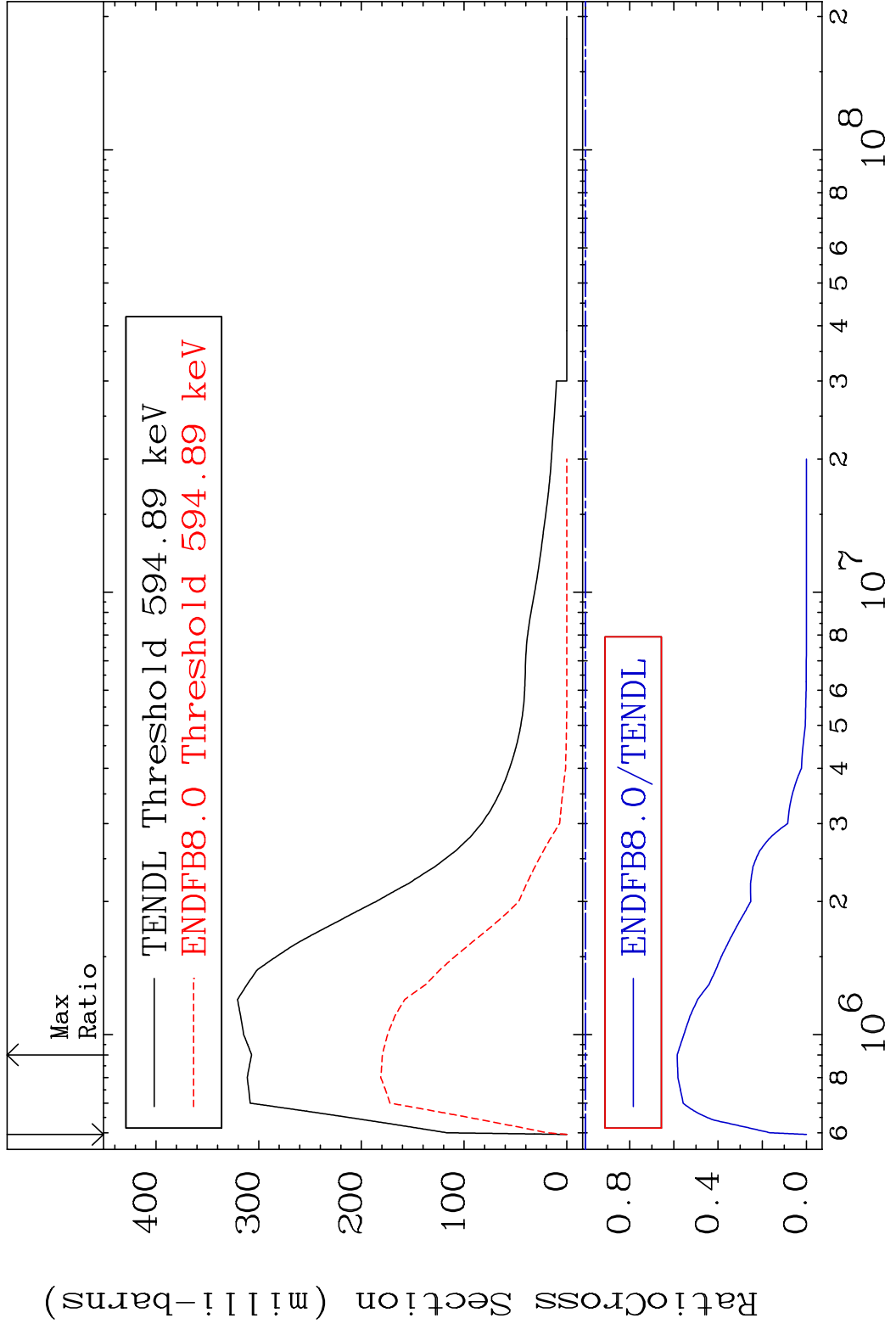
MAT 6240 MT= 56 (n,n') Level 62-Sm-149
 Cross Section -100.0 To -38.86%



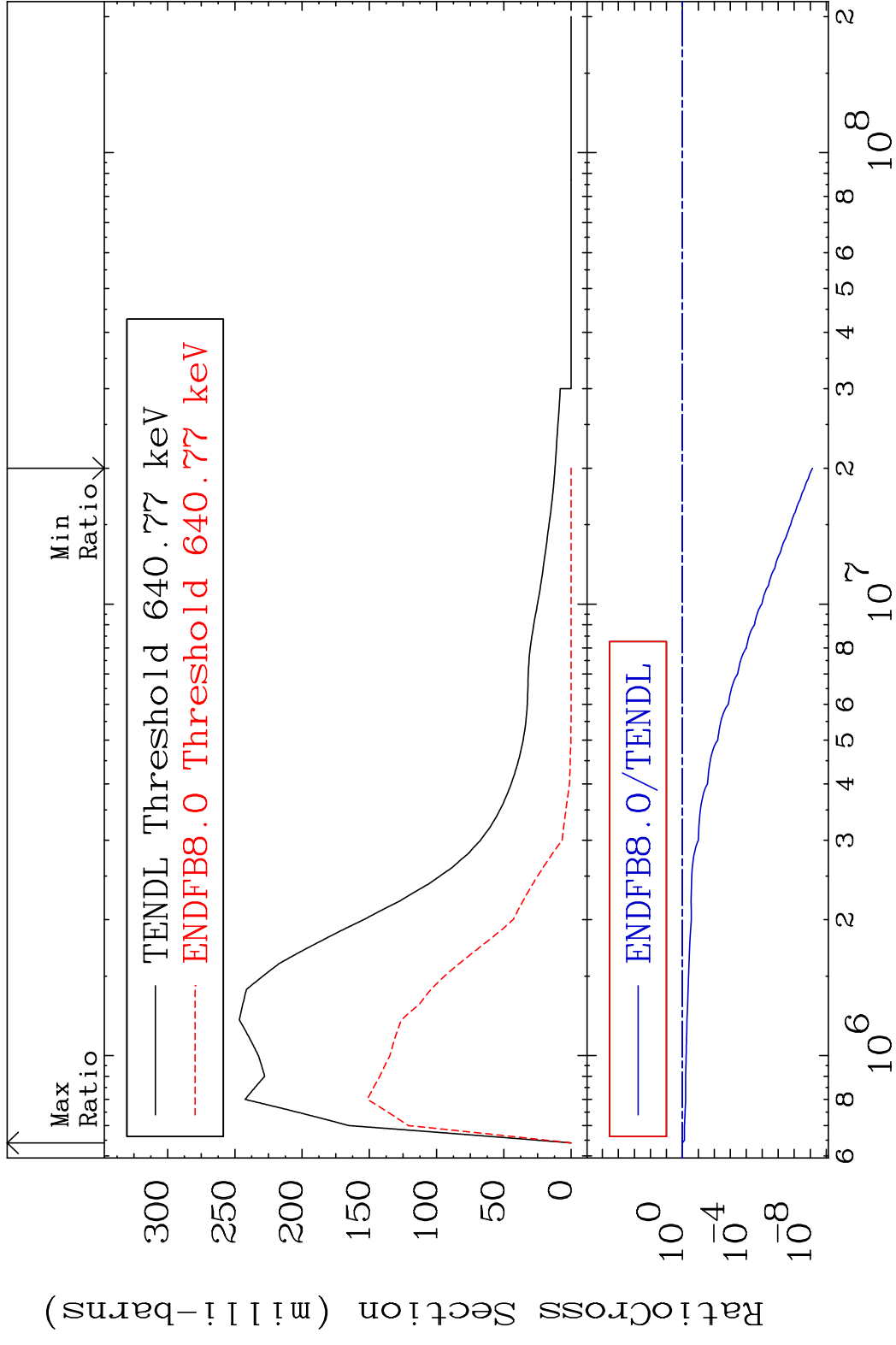
MAT 6240 MT= 57 (n, n') Level 62-Sm-149
 Cross Section -100.0 To -41.93%



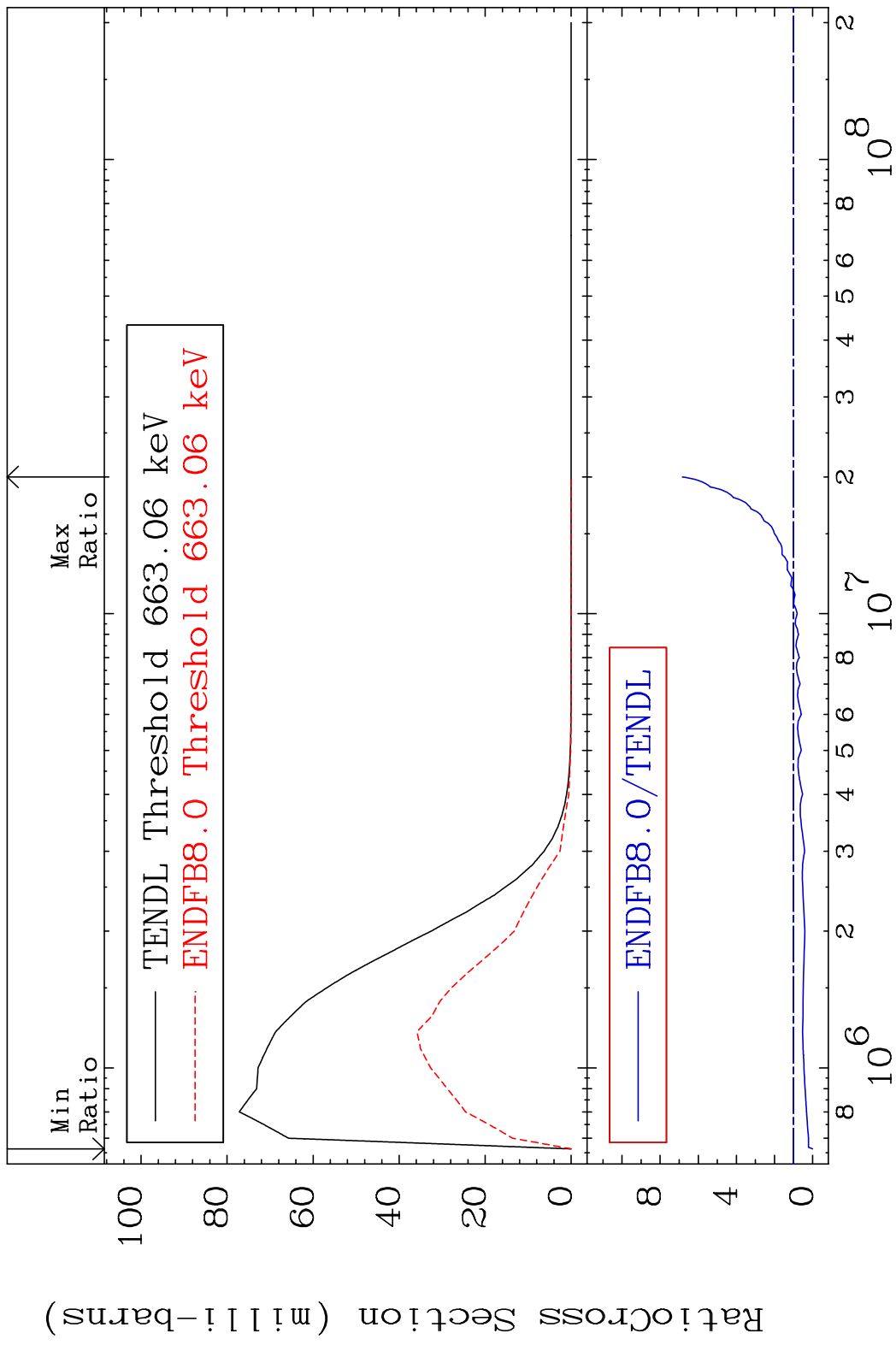
MAT 6240 MT= 58 (n, n') Level 62-Sm-149
 Cross Section -100.0 To -41.49%



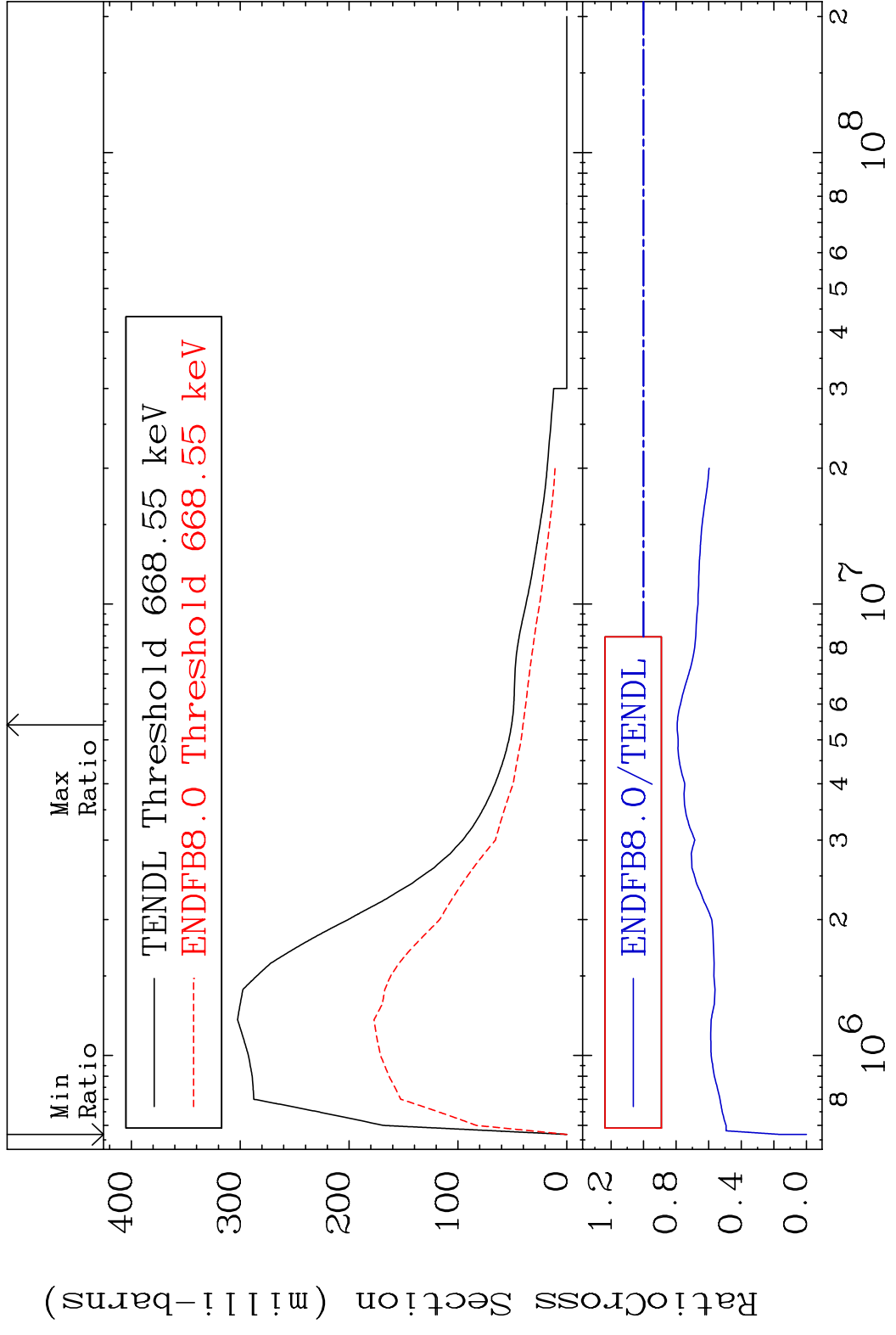
MAT 6240 MT= 59 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 0.000 %



MAT 6240 MT= 60 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 583.4 %

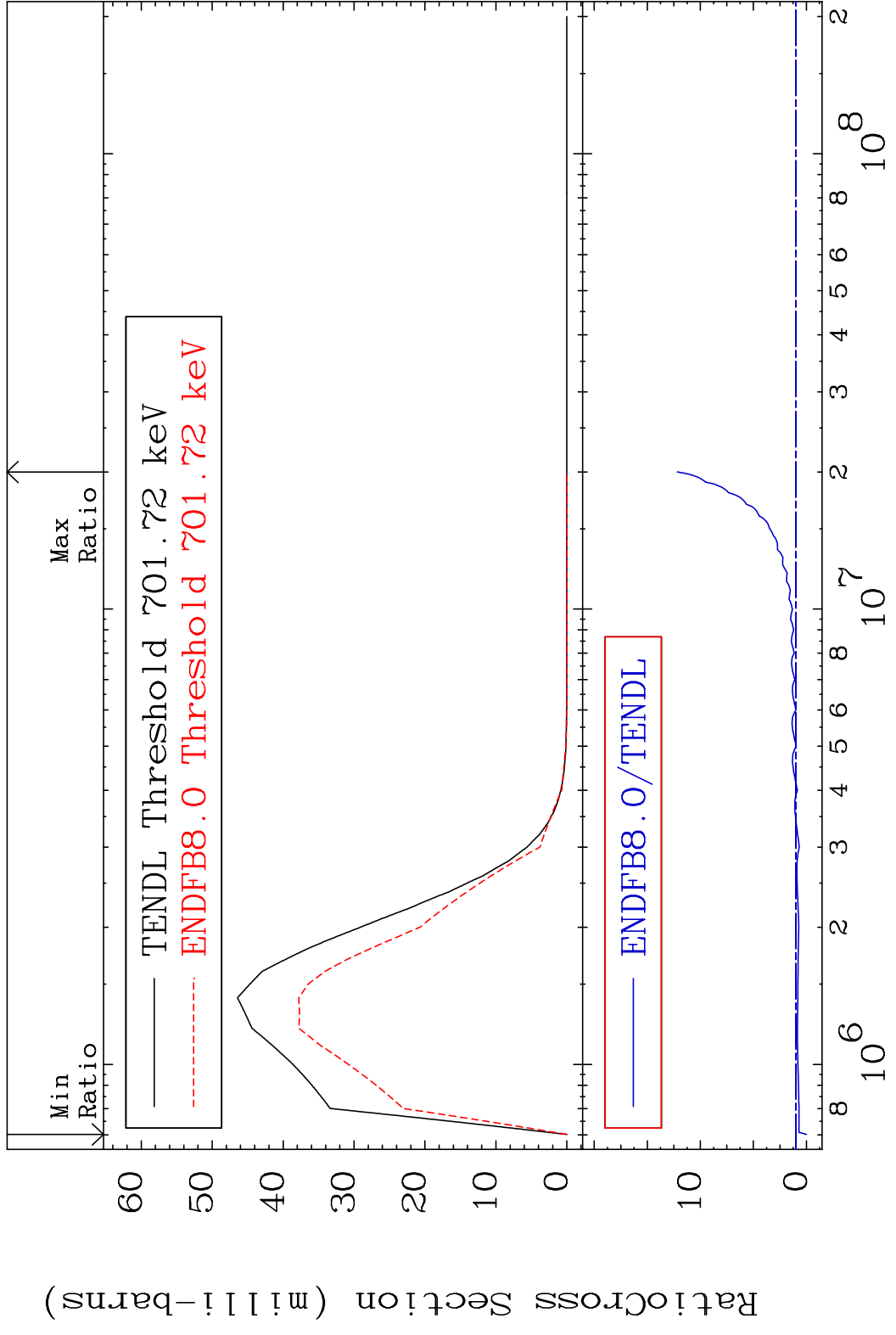


MAT 6240 MT= 61 (n, n') Level 62-Sm-149
 Cross Section -100.0 To -20.64%

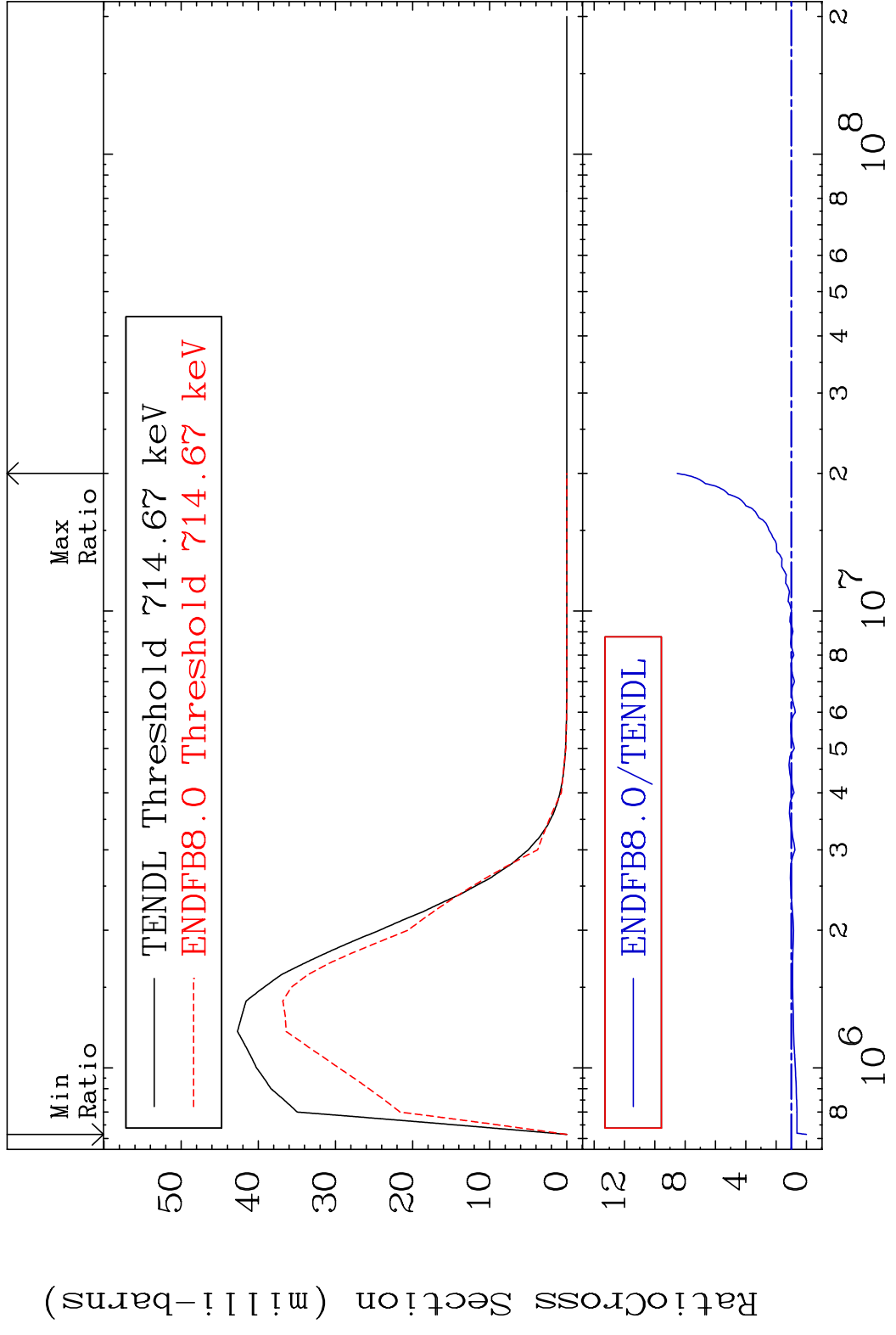


20 62-Sm-149

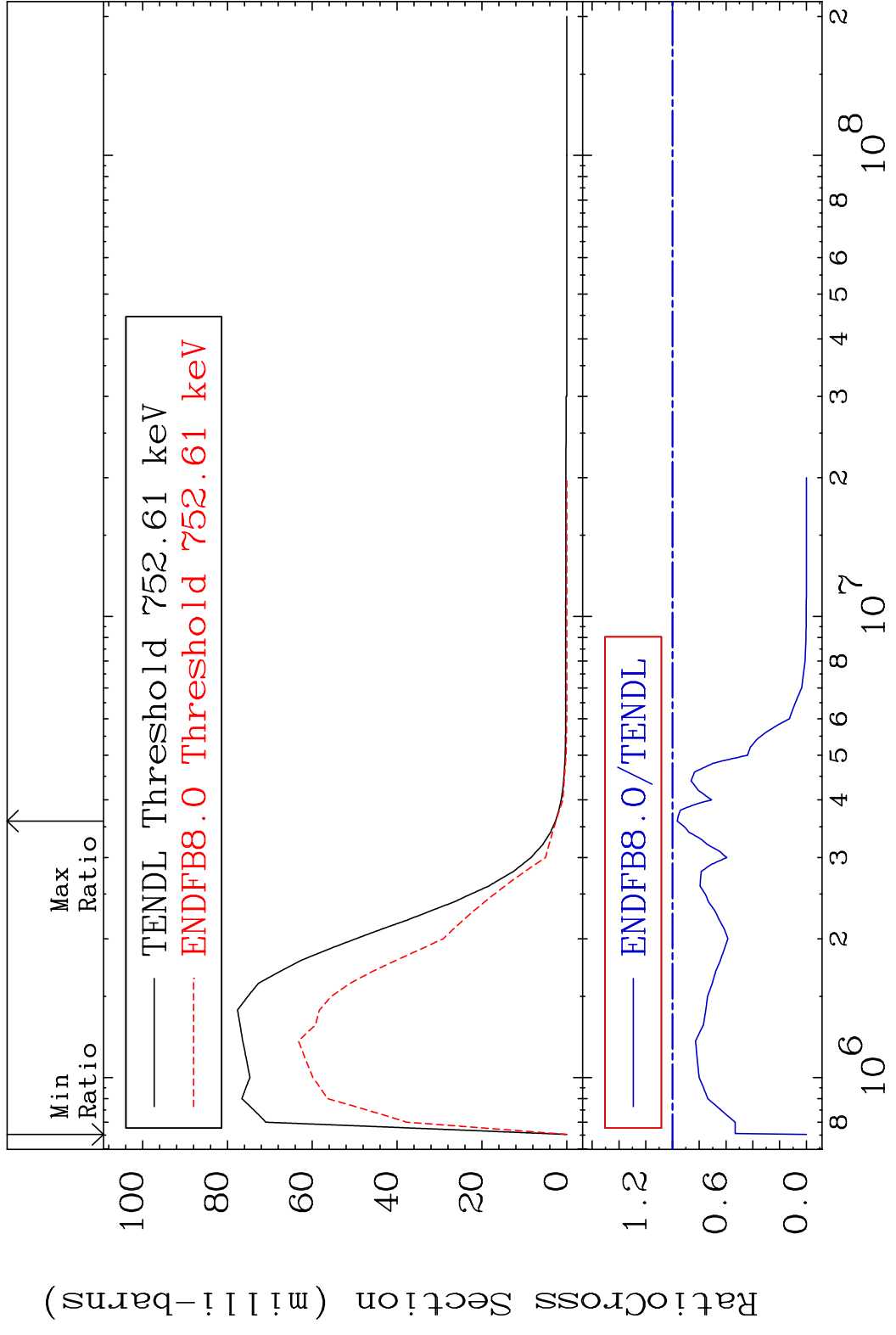
MAT 6240 MT= 62 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 1118. %



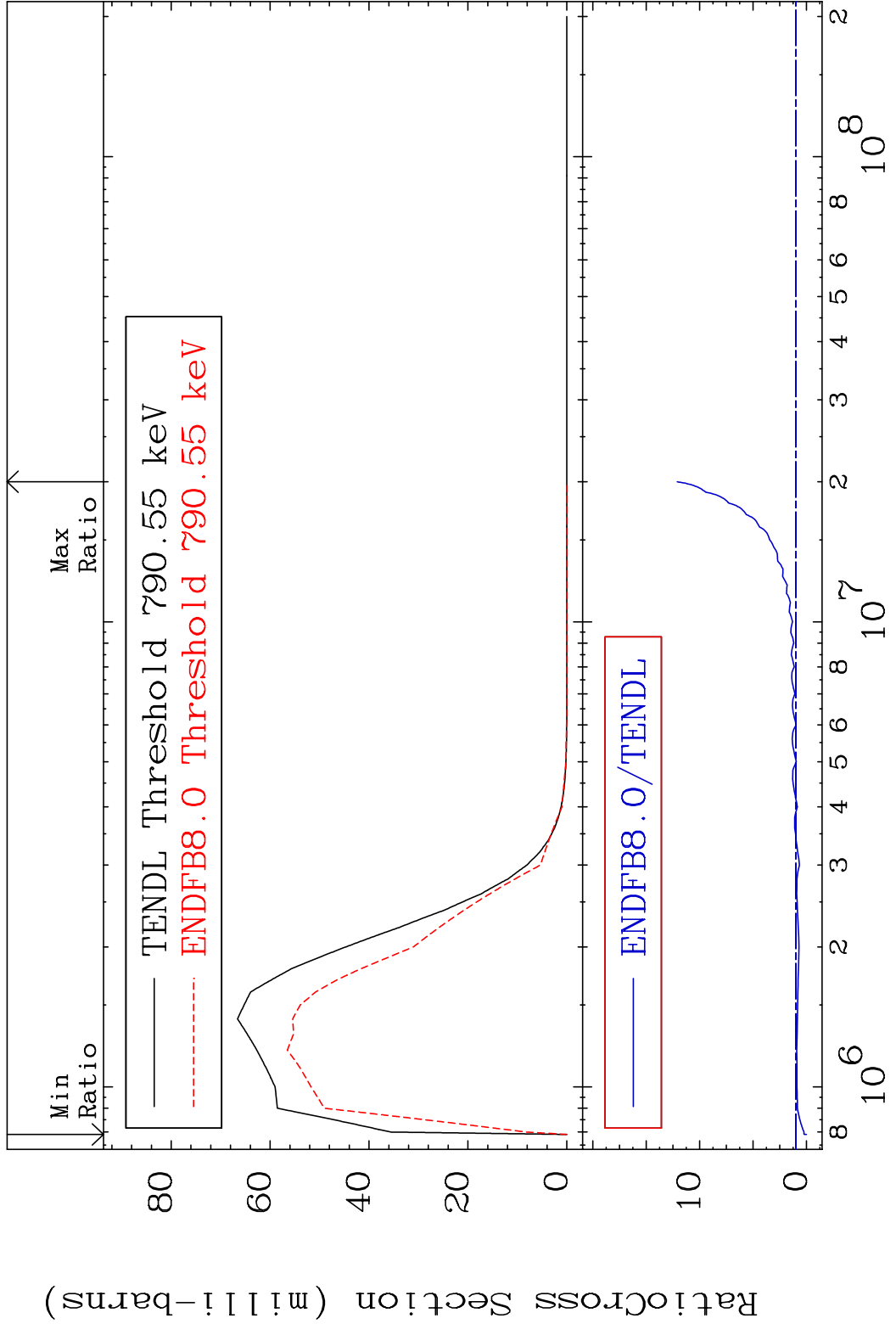
MAT 6240 MT= 63 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 752.5 %



MAT 6240 MT= 64 (n, n') Level 62-Sm-149
 Cross Section -100.0 To -3.495%

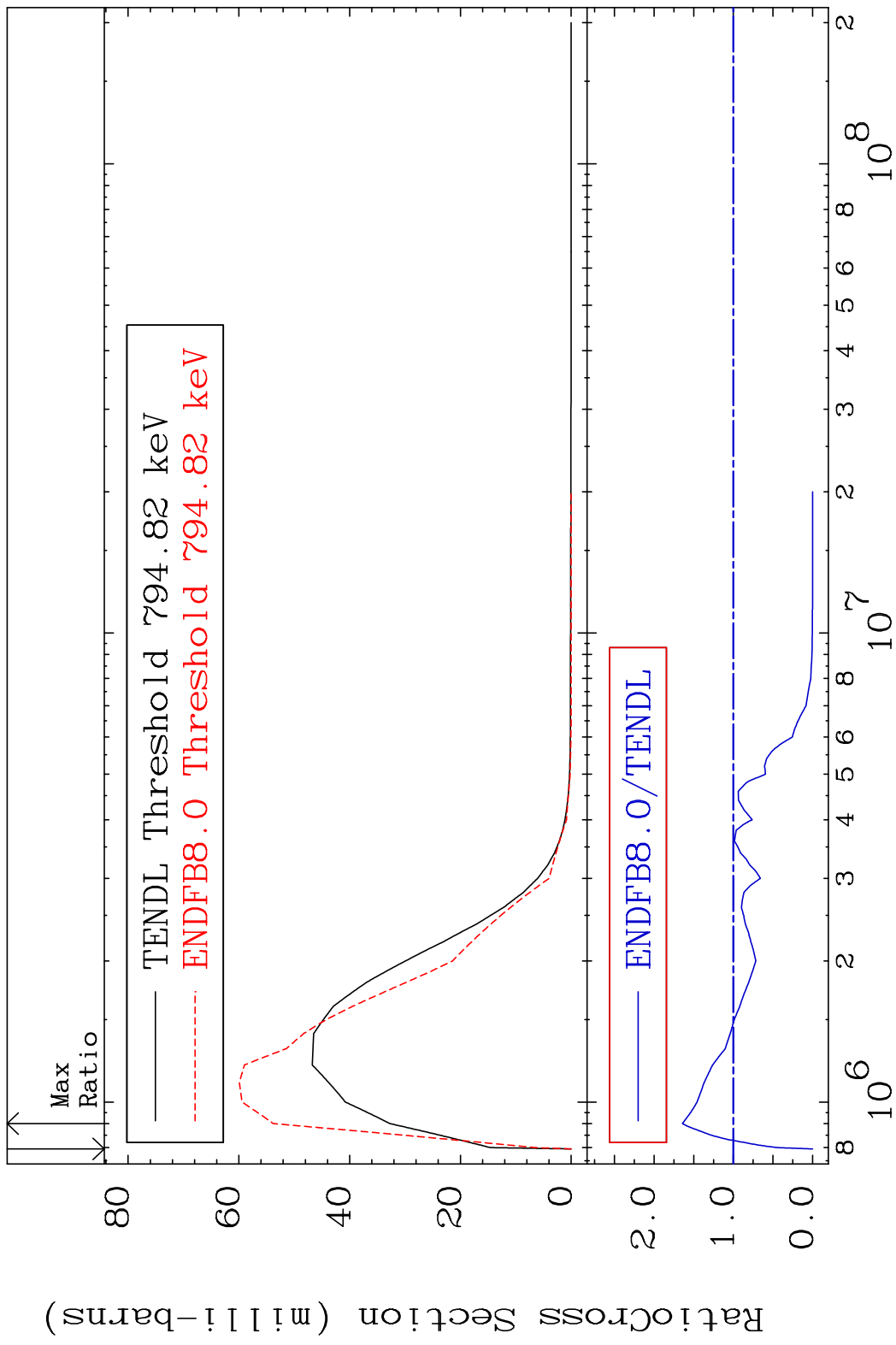


MAT 6240 MT= 65 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 1110. %

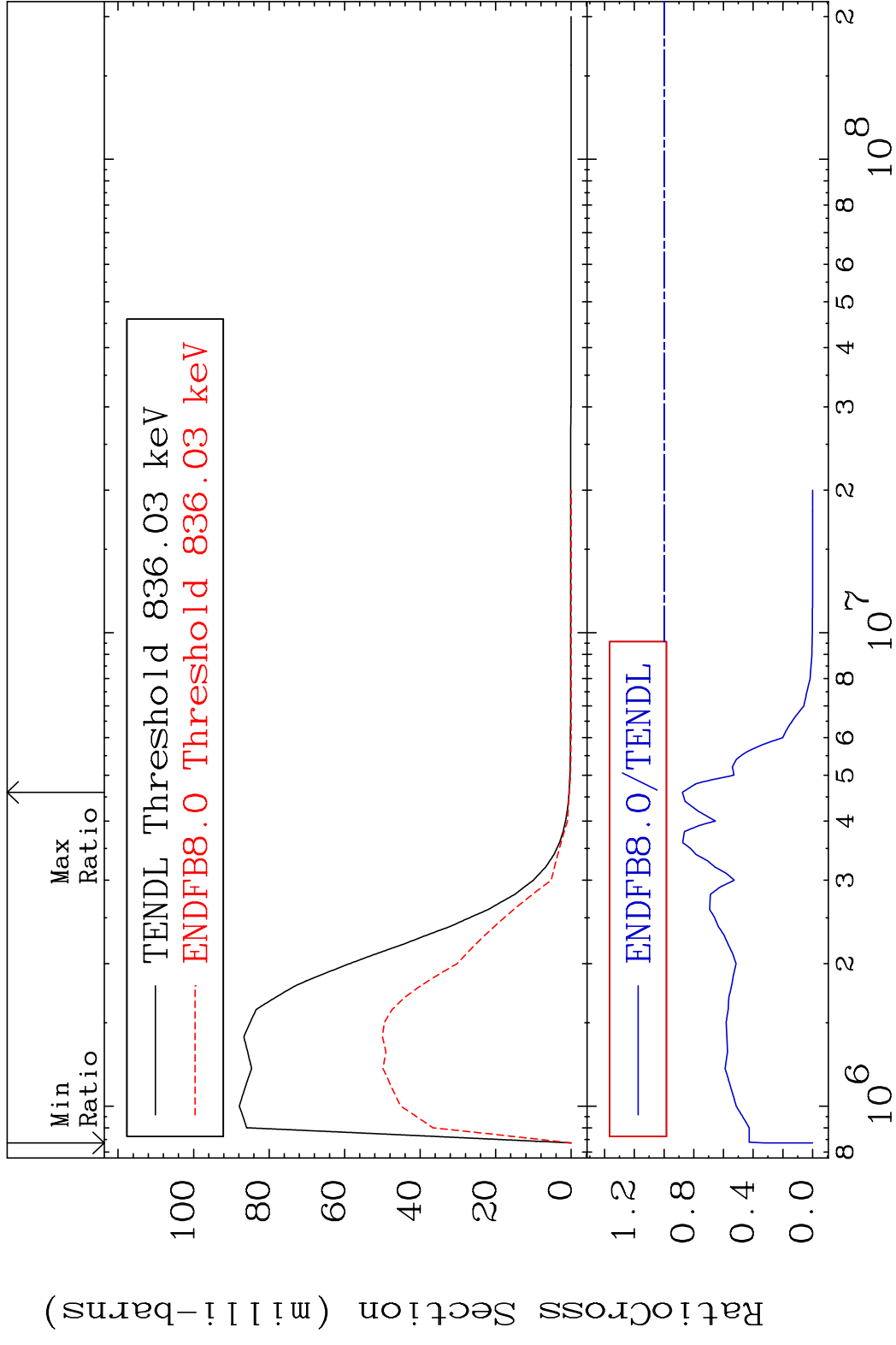


24 Incident Energy (eV) 62-Sm-149

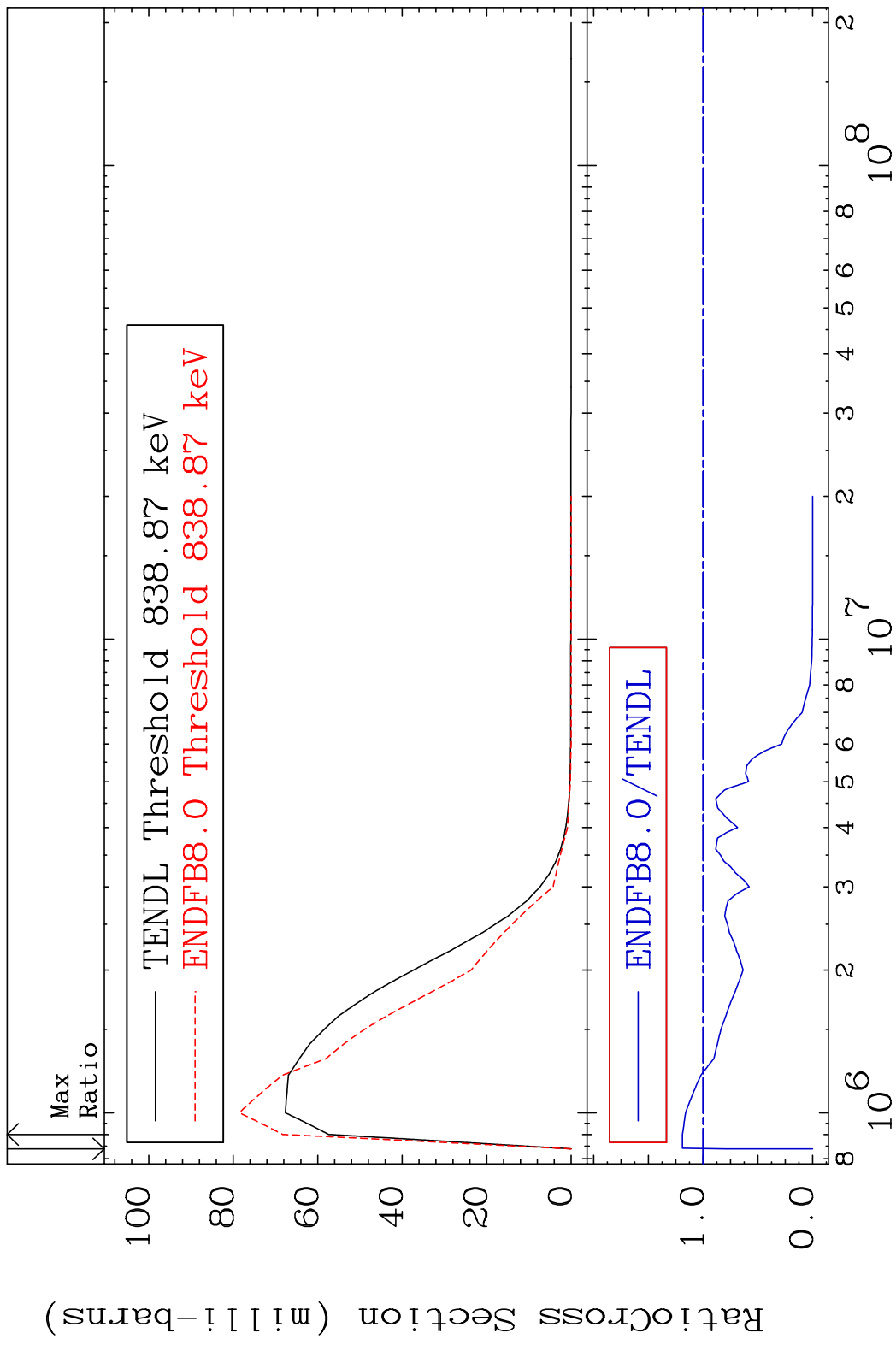
MAT 6240 MT= 66 (n,n') Level 62-Sm-149
 Cross Section -100.0 To 64.34 %



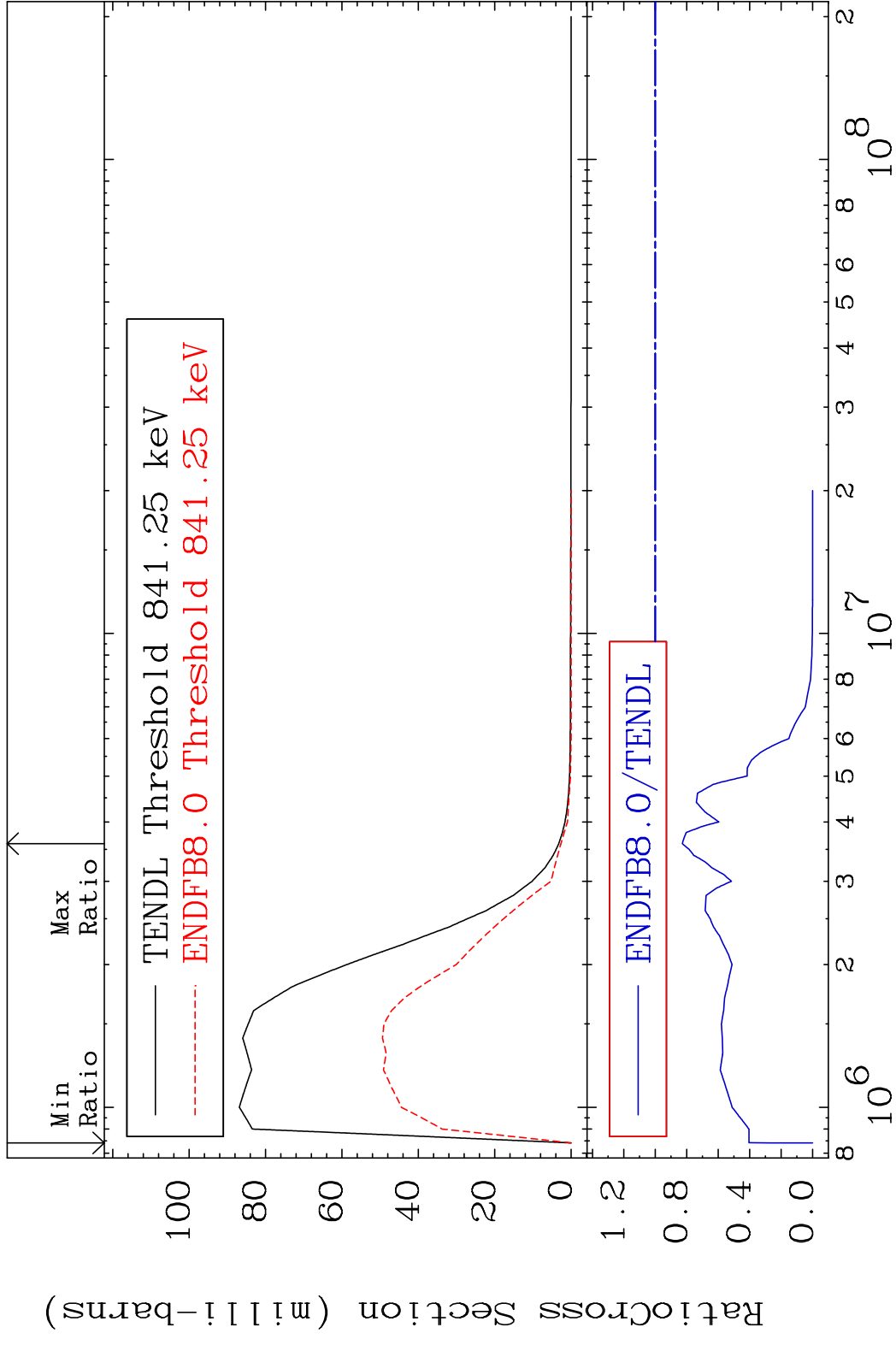
MAT 6240 MT= 67 (n, n') Level 62-Sm-149
 Cross Section -100.0 To -12.33%



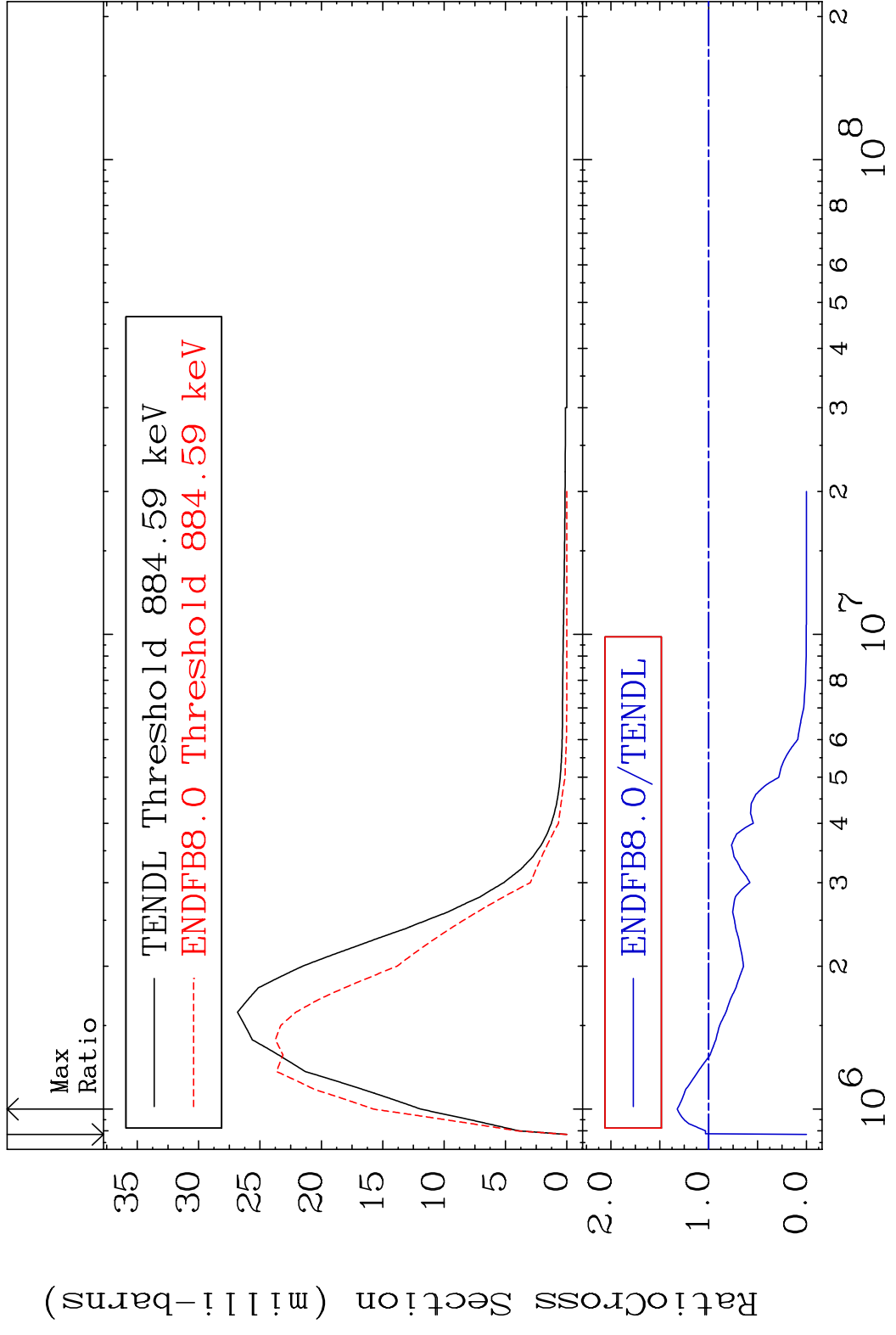
MAT 6240 MT= 68 (n,n') Level 62-Sm-149
 Cross Section -100.0 To 18.94 %



MAT 6240 MT= 69 (n, n') Level 62-Sm-149
 Cross Section -100.0 To -17.19%

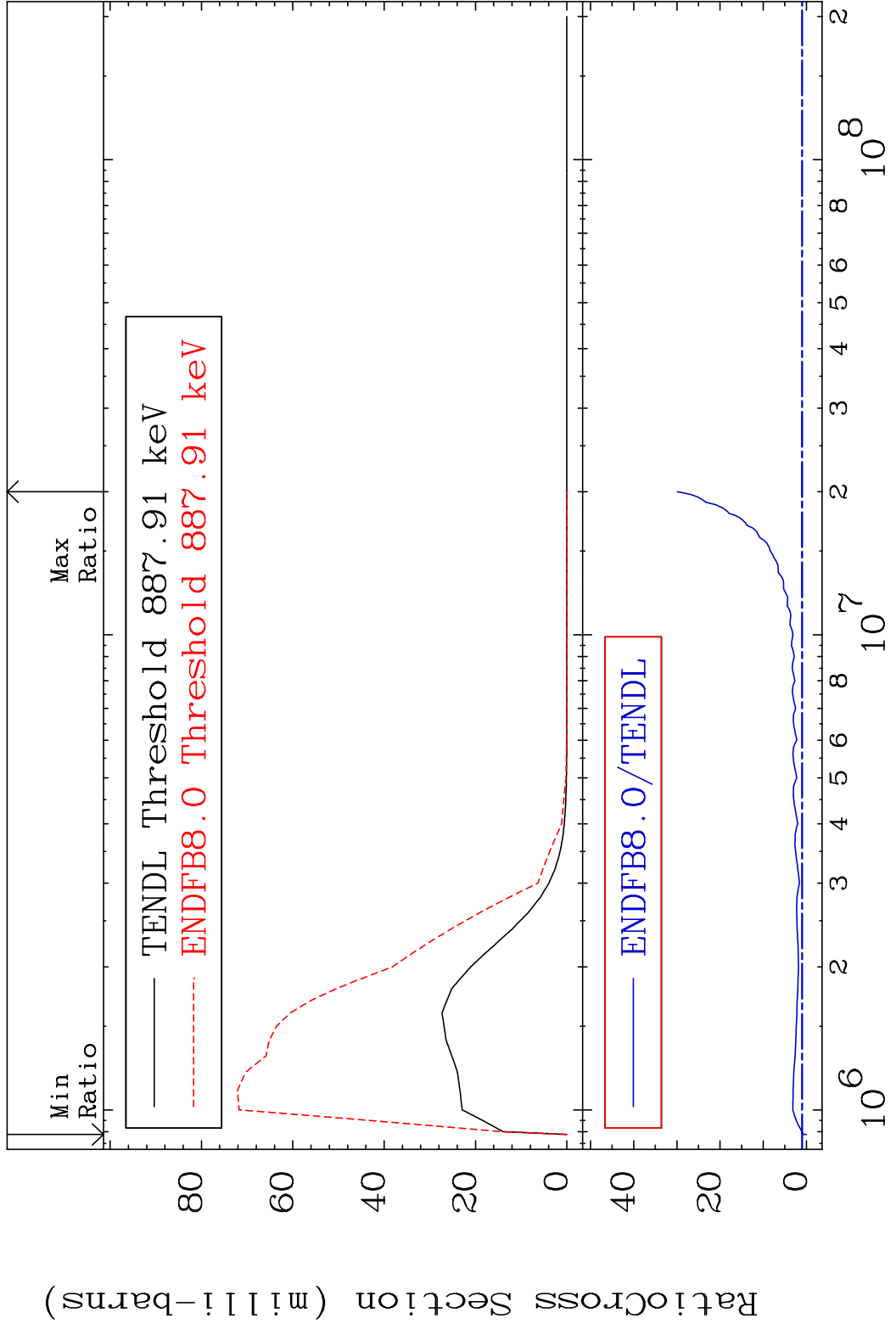


MAT 6240 MT= 70 (n,n') Level 62-Sm-149
 Cross Section -100.0 To 32.18 %



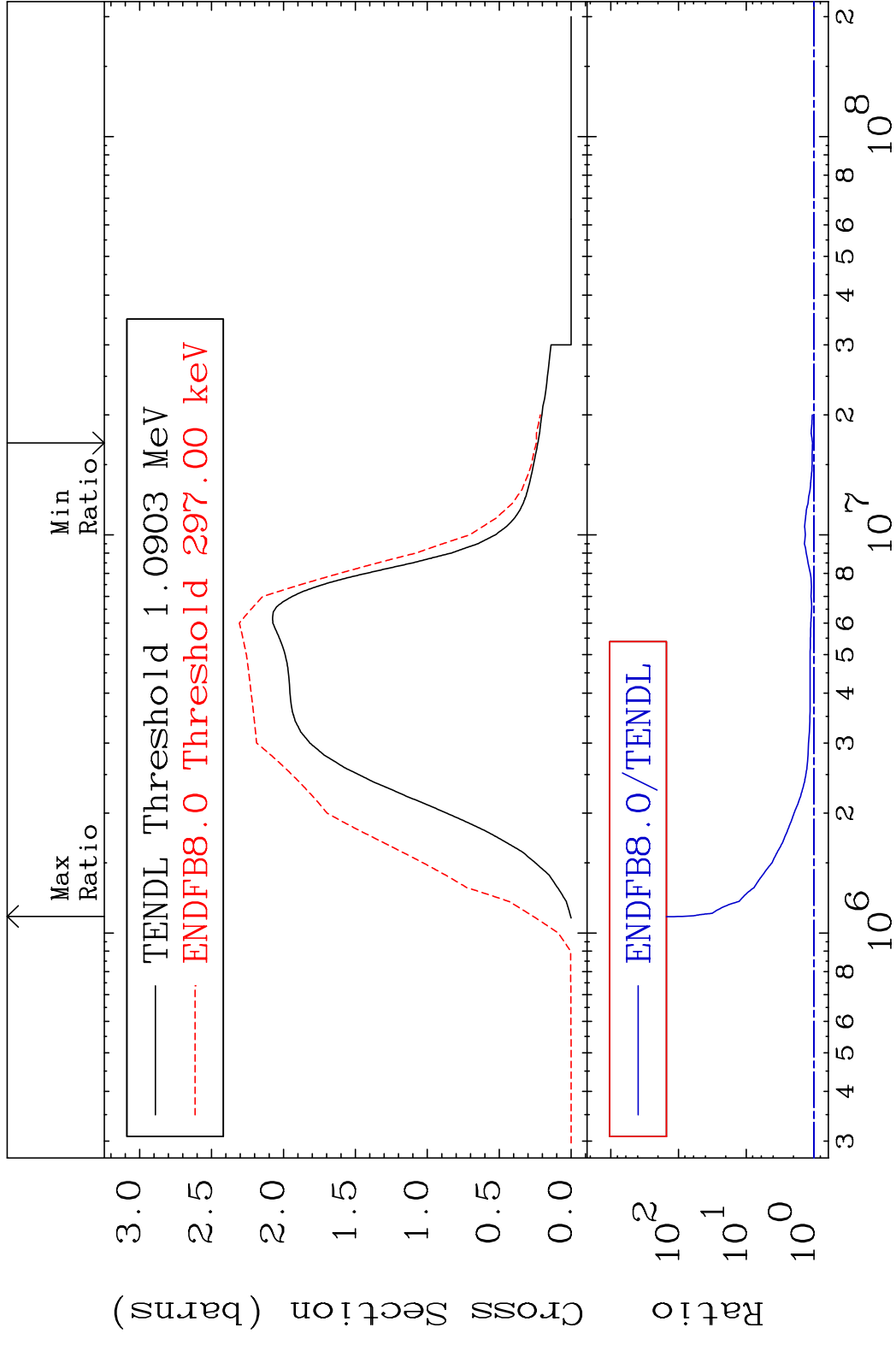
29 Incident Energy (eV) 62-Sm-149

MAT 6240 MT= 71 (n, n') Level 62-Sm-149
 Cross Section -100.0 To 2893. %



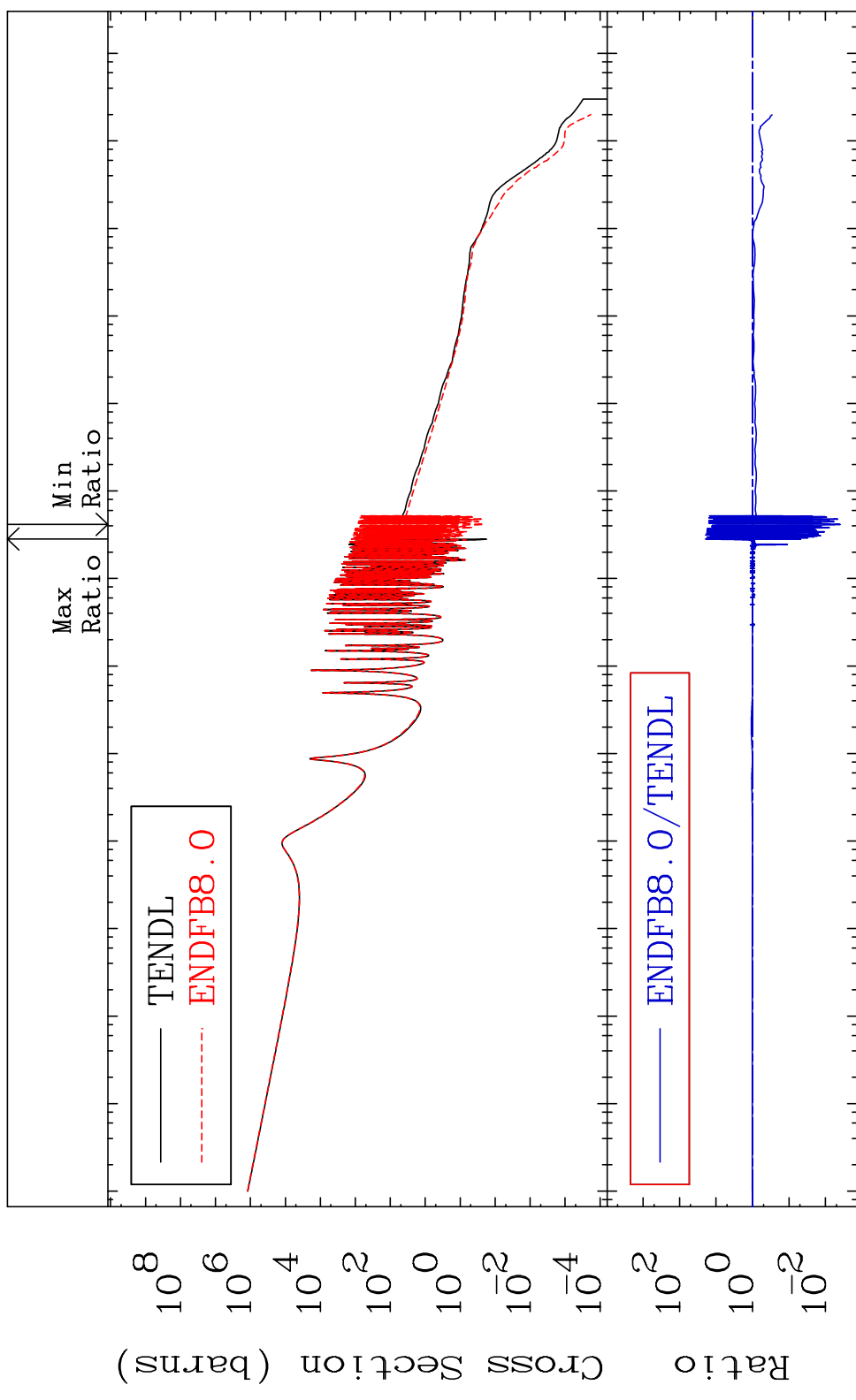
30 Incident Energy (eV) 62-Sm-149

MAT 6240 (n, n') Continuum 62-Sm-149
 Cross Section 4.593 To 8655. %



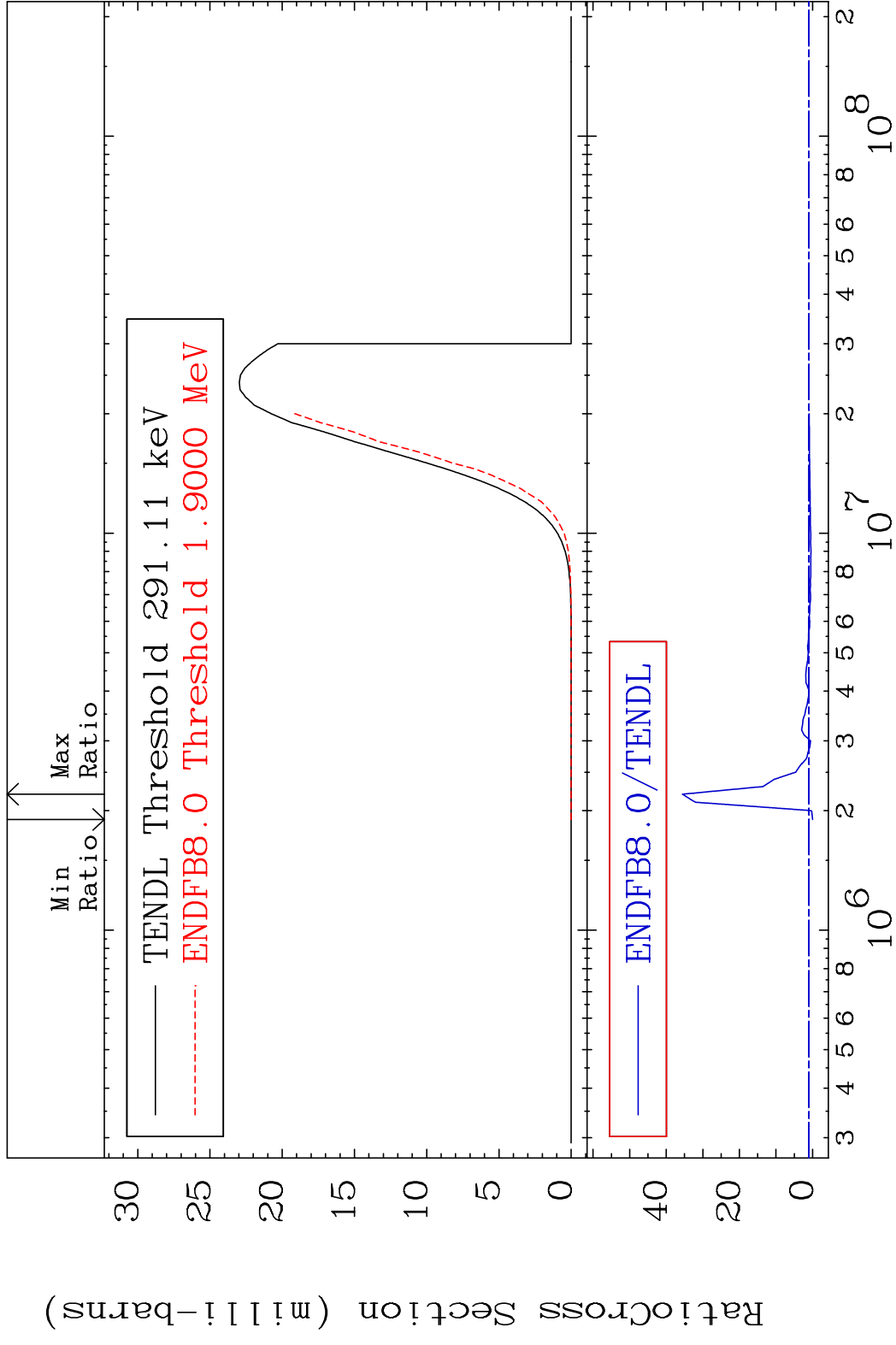
MAT 6240

(n, γ)
Cross Section -99.61 To 1810. %
62-Sm-149



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

MAT 6240 (n,p) 62-Sm-149
 Cross Section -100.0 To 3460. %

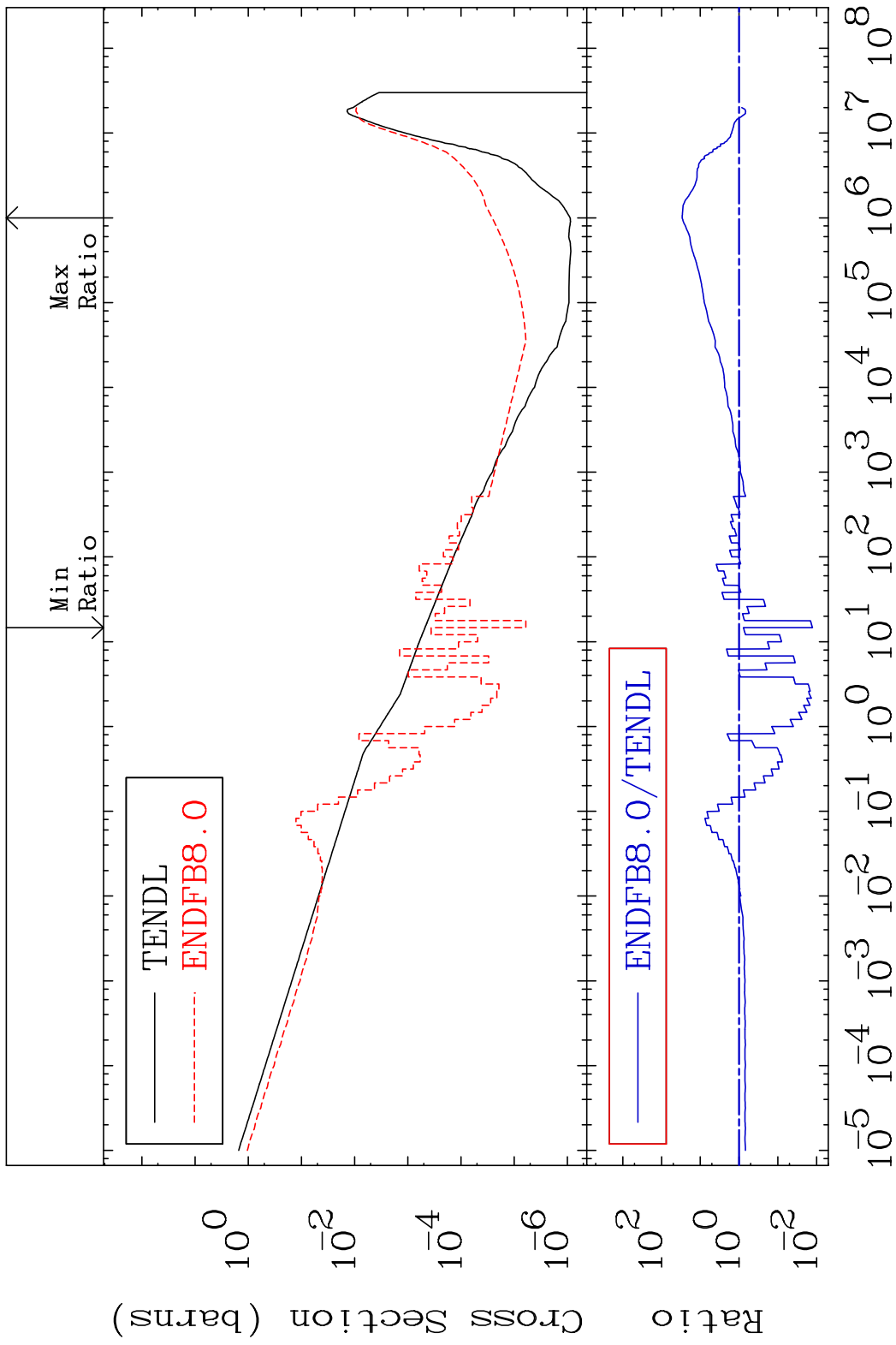


MAT 6240

(n, α)

62-Sm-149

Cross Section -98.73 To 2838. %



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Incident Energy (eV)

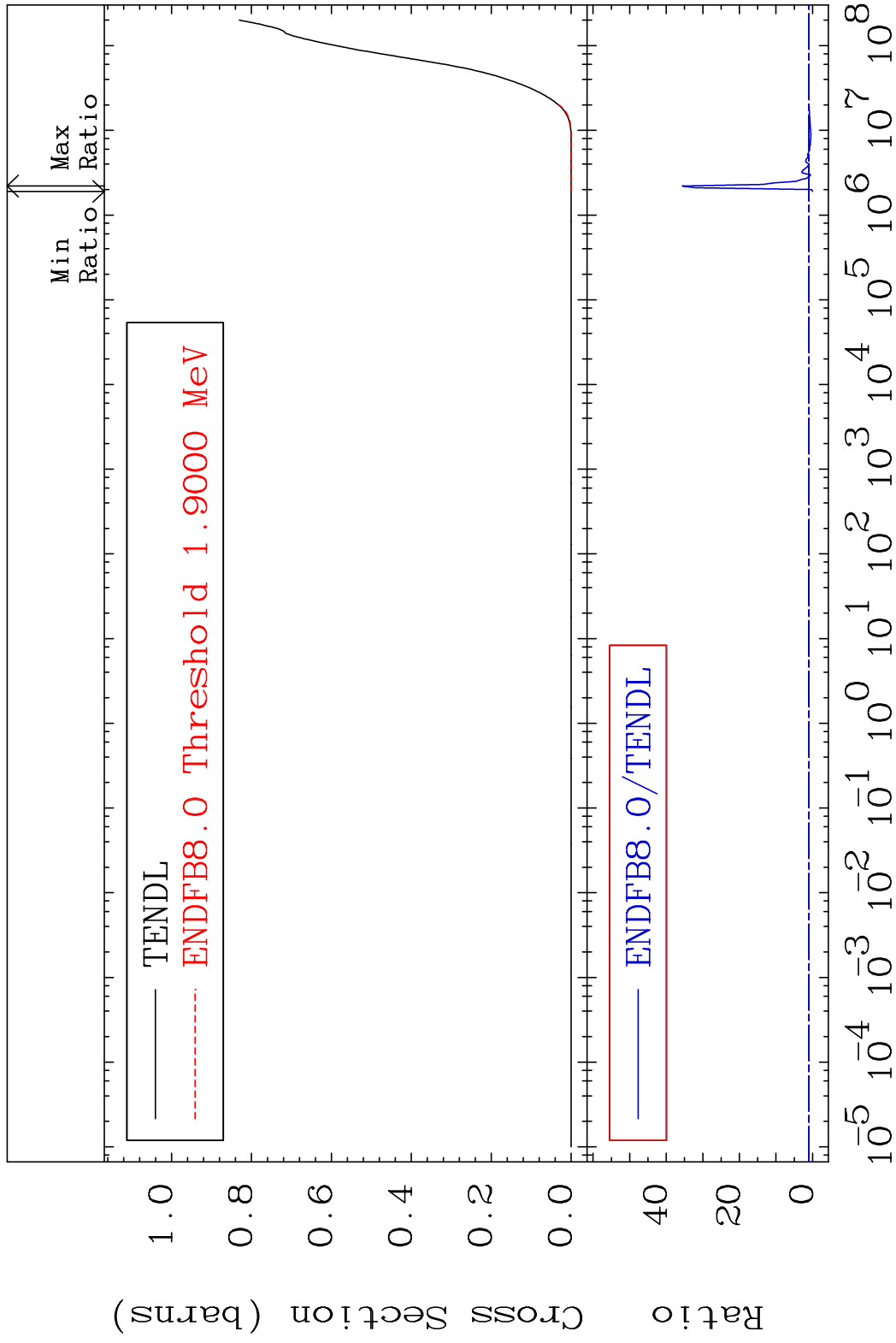
62-Sm-149

MAT 6240

Hydrogen Production

62-Sm-149

Cross Section -100.0 To 3460. %

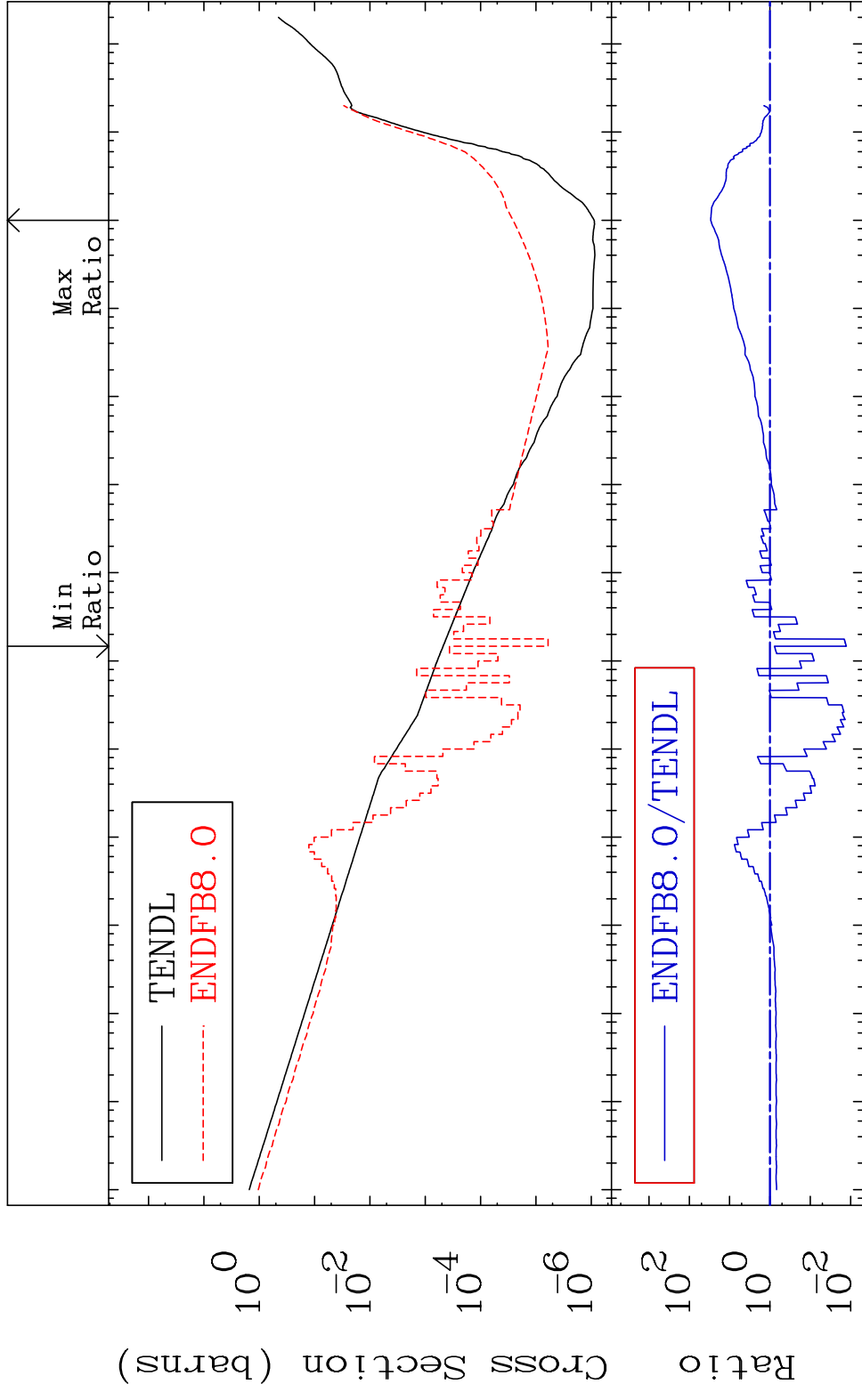


35

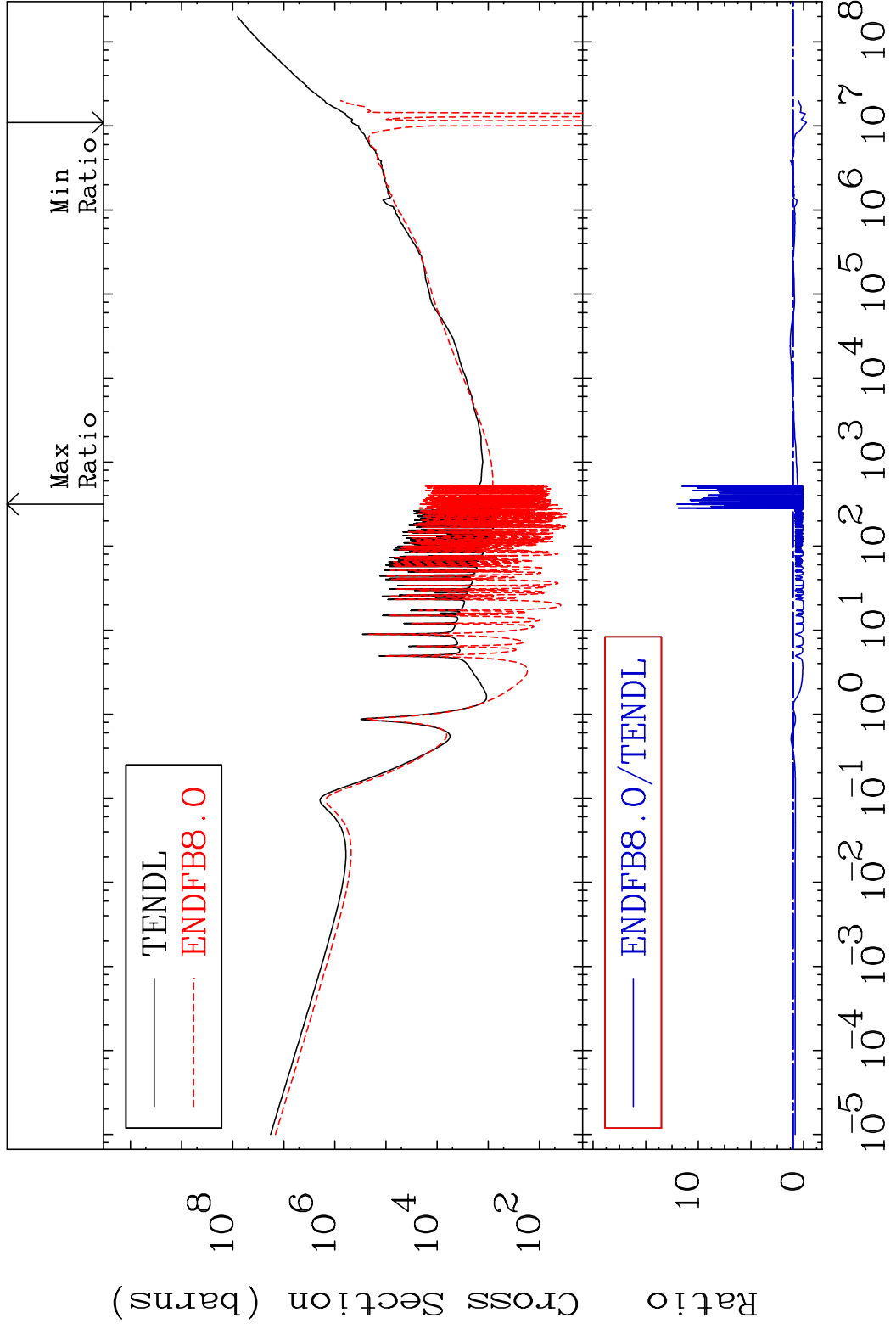
Incident Energy (eV)

62-Sm-149

MAT 6240 He-4 Production 62-Sm-149
 Cross Section -98.73 To 2838. %

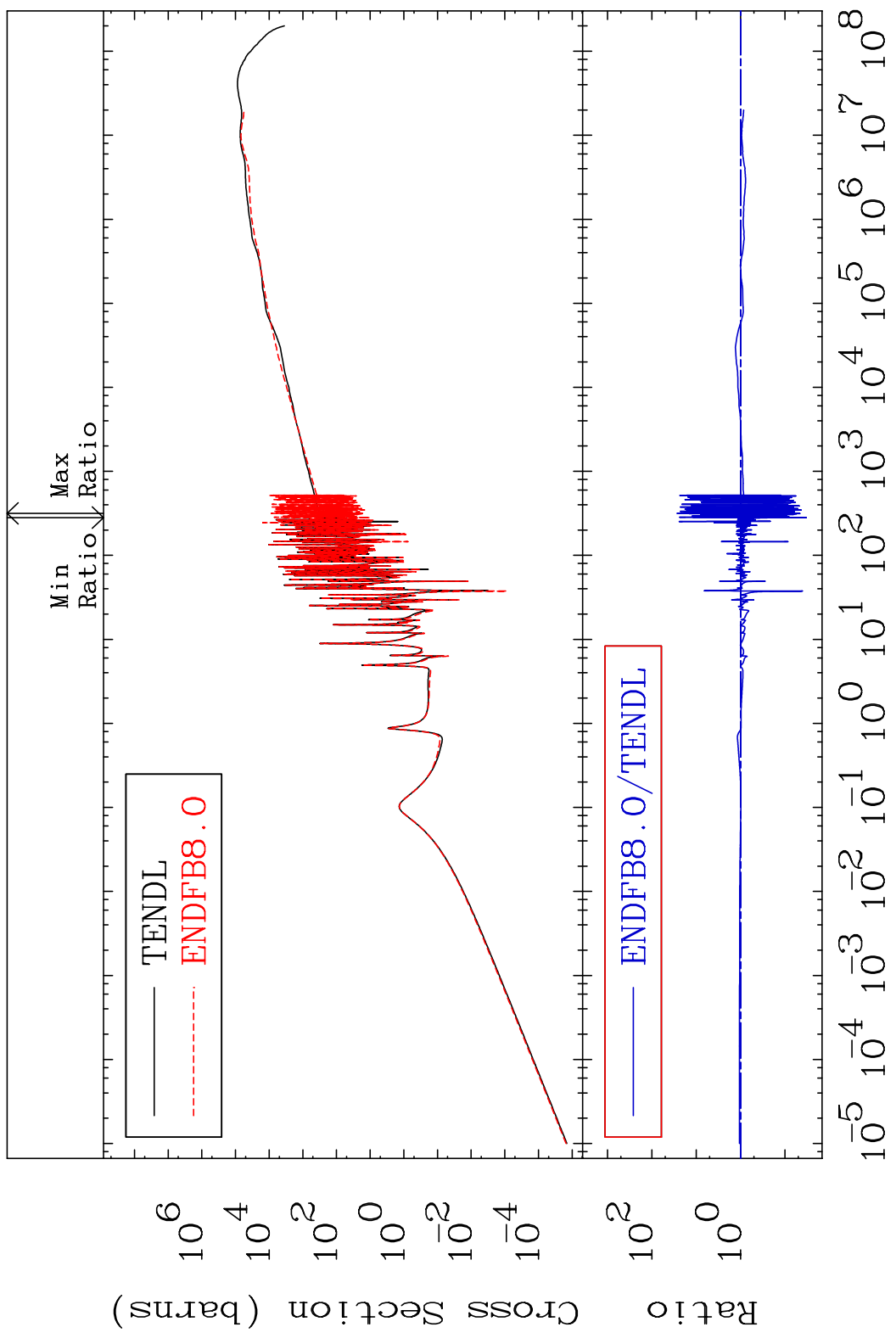


MAT 6240 Kerma total (eV-barns) 62-Sm-149
 Cross Section -127.2 To 1101. %

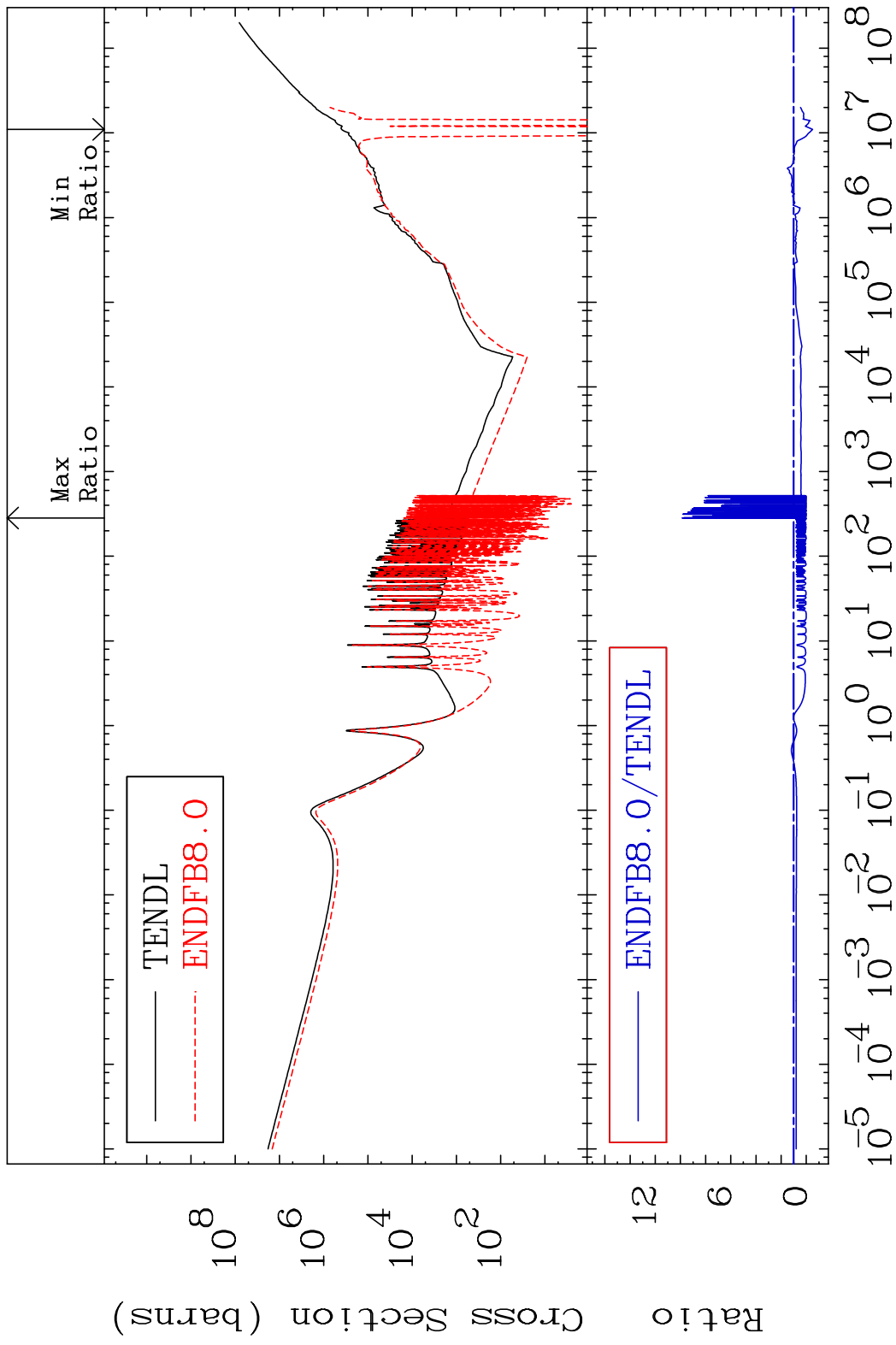


MAT 6240

Kerma elastic Cross Section -96.70 To 2593. %
62-Sm-149

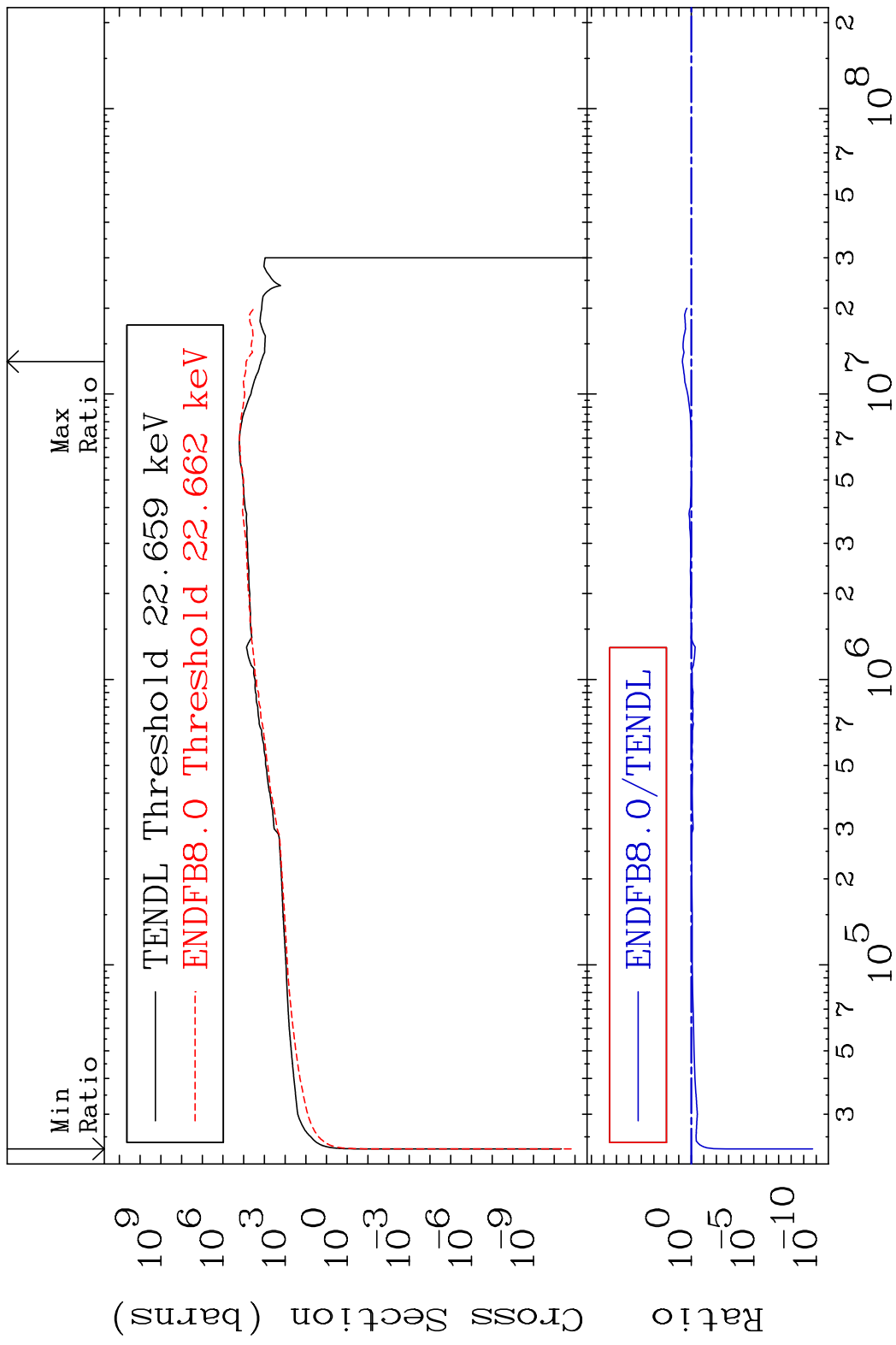


MAT 6240 Kerma non-elastic (all but mt2) 62-Sm-149
 Cross Section -149.6 To 884.8 %



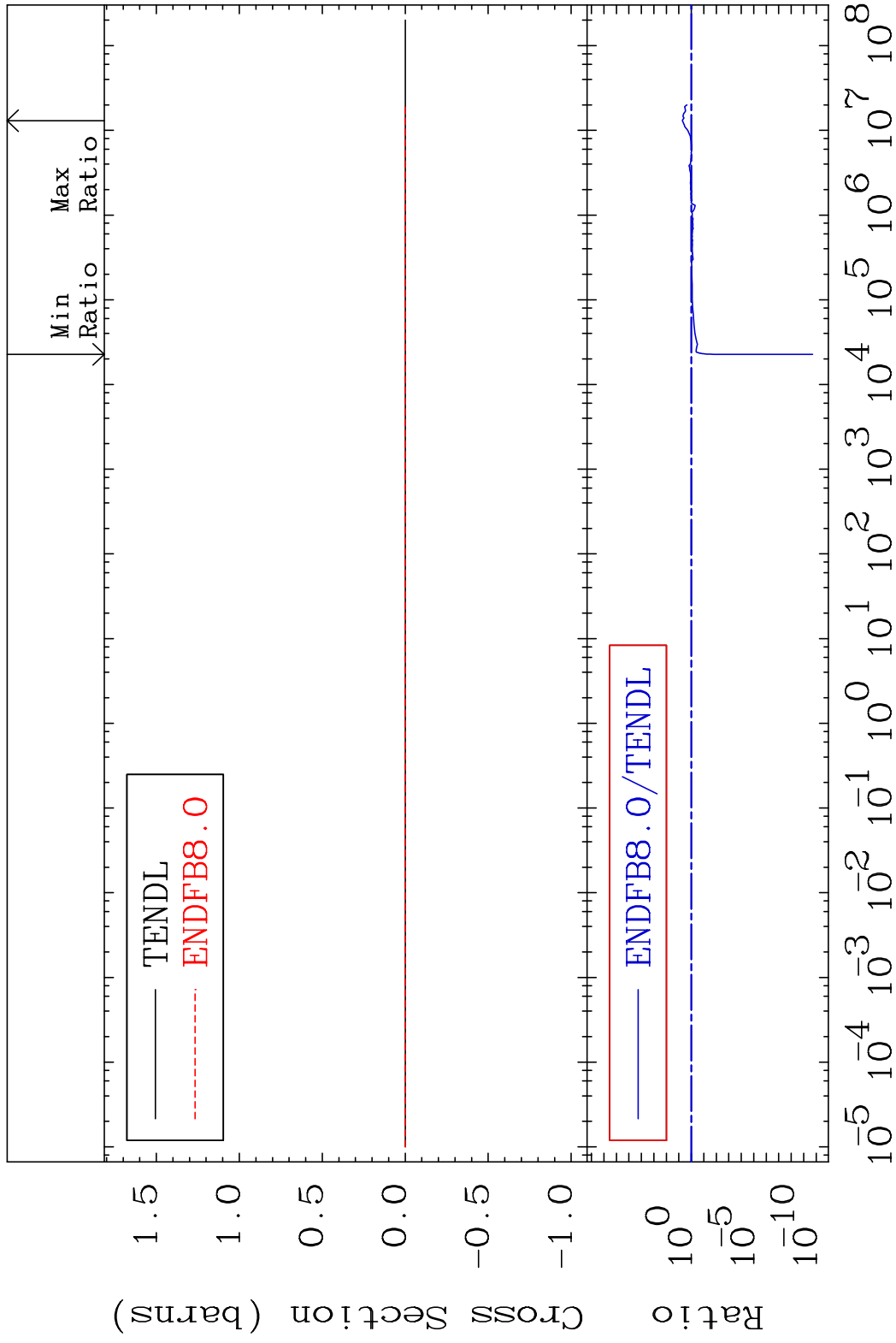
39 Incident Energy (eV) 62-Sm-149

MAT 6240 Kerma inelastic (mt51-91) 62-Sm-149
 Cross Section -100.0 To 423.3 %



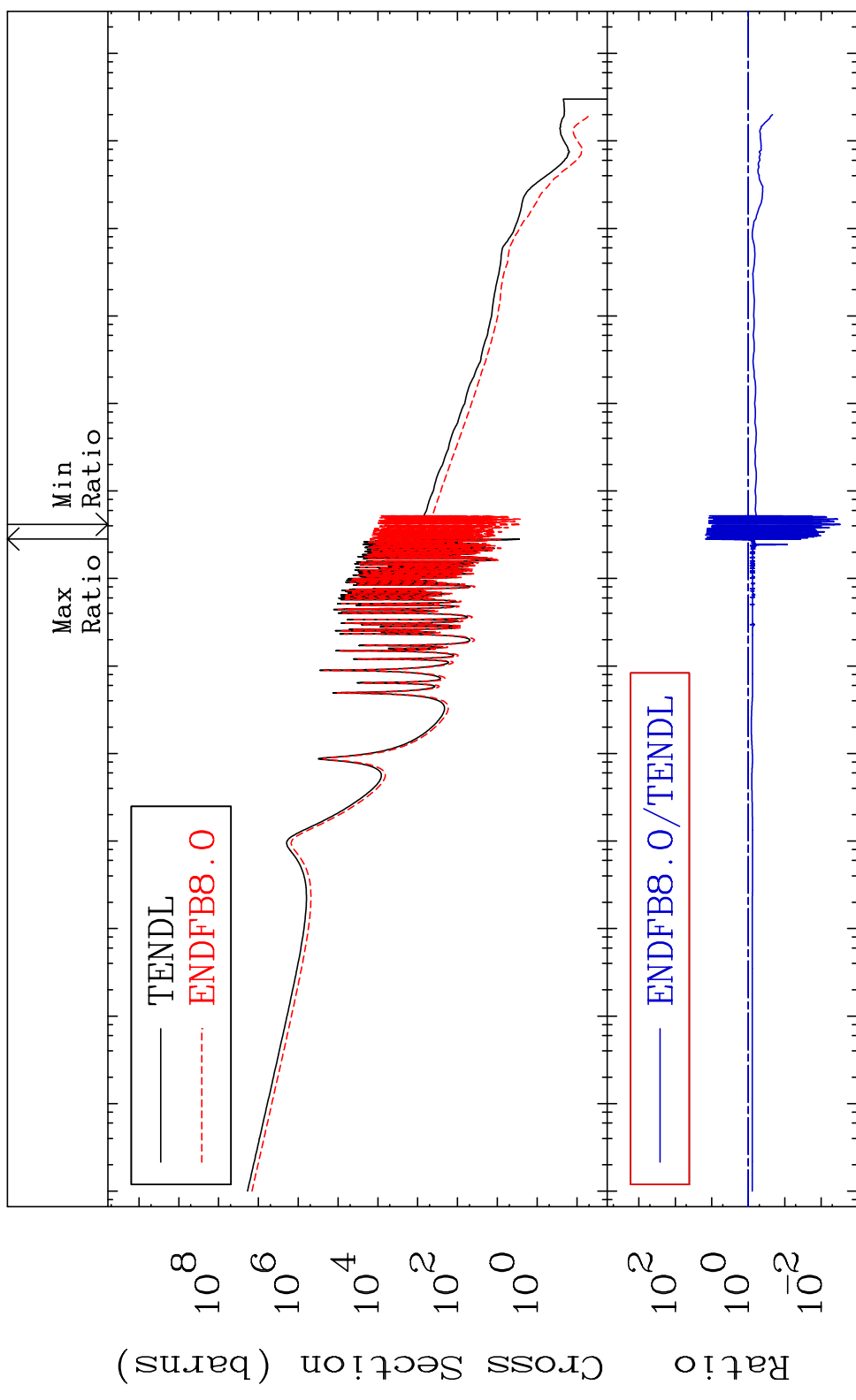
40 Incident Energy (eV) 62-Sm-149

MAT 6240 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-149
 Cross Section -100.0 To 423.3 %



MAT 6240

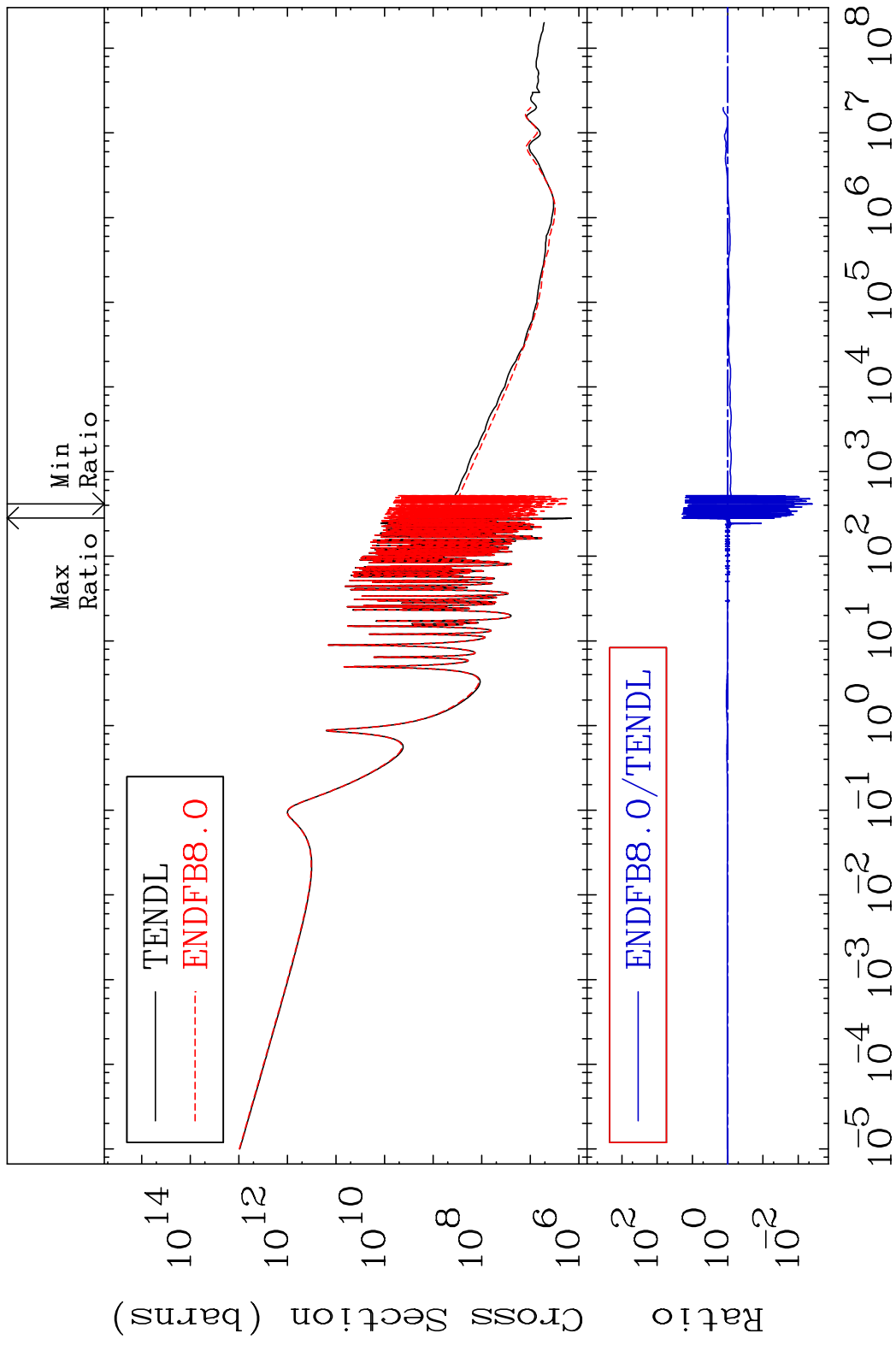
Kerma capture (mt102) 62-Sm-149
Cross Section -99.70 To 1363. %



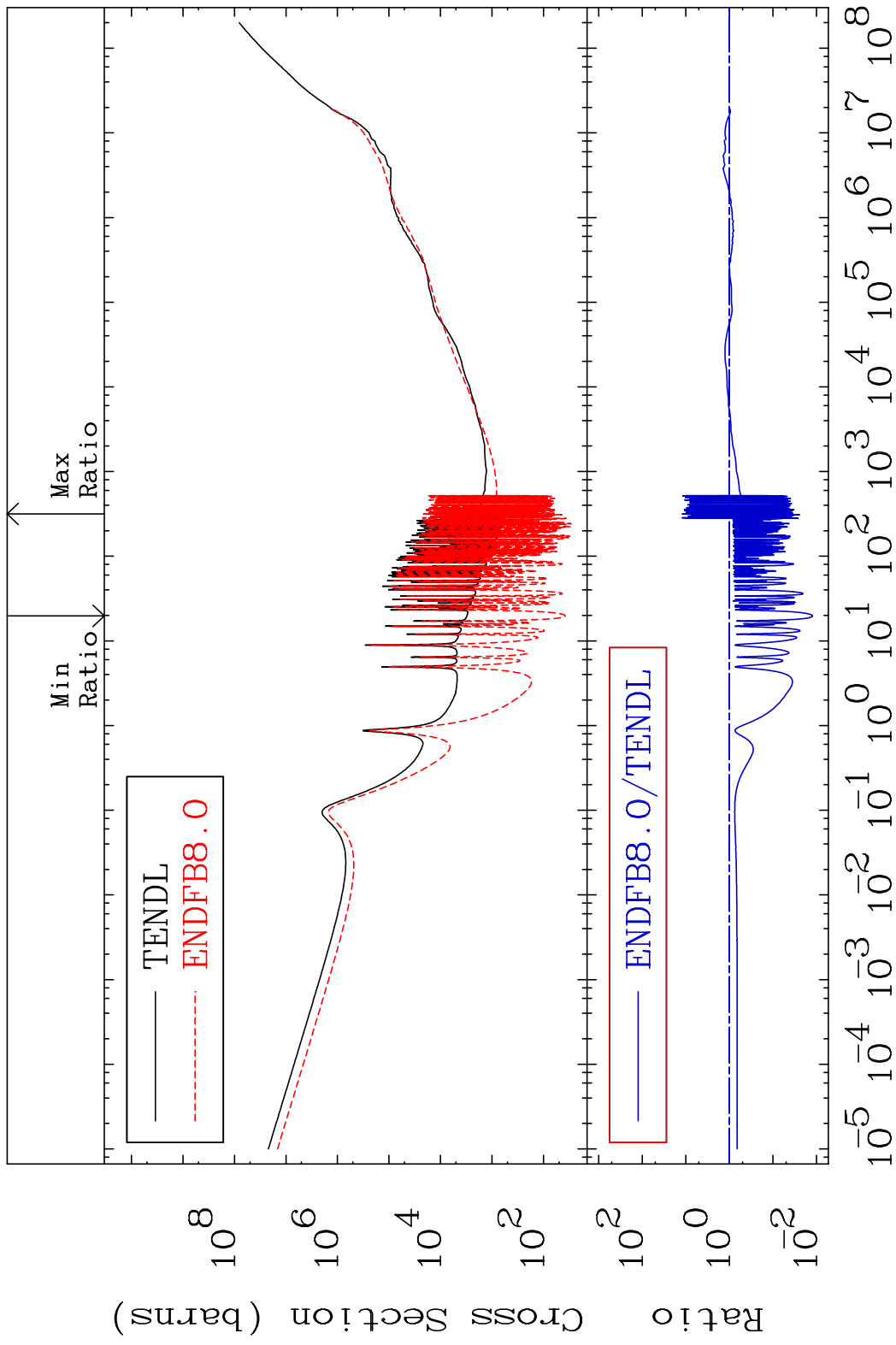
42

Incident Energy (eV) 62-Sm-149

MAT 6240 Total photon (eV-barns) 62-Sm-149
 Cross Section -99.61 To 1829. %



MAT 6240 Total kinematic kerma (high limit) 62-Sm-149
 Cross Section -98.77 To 1099. %

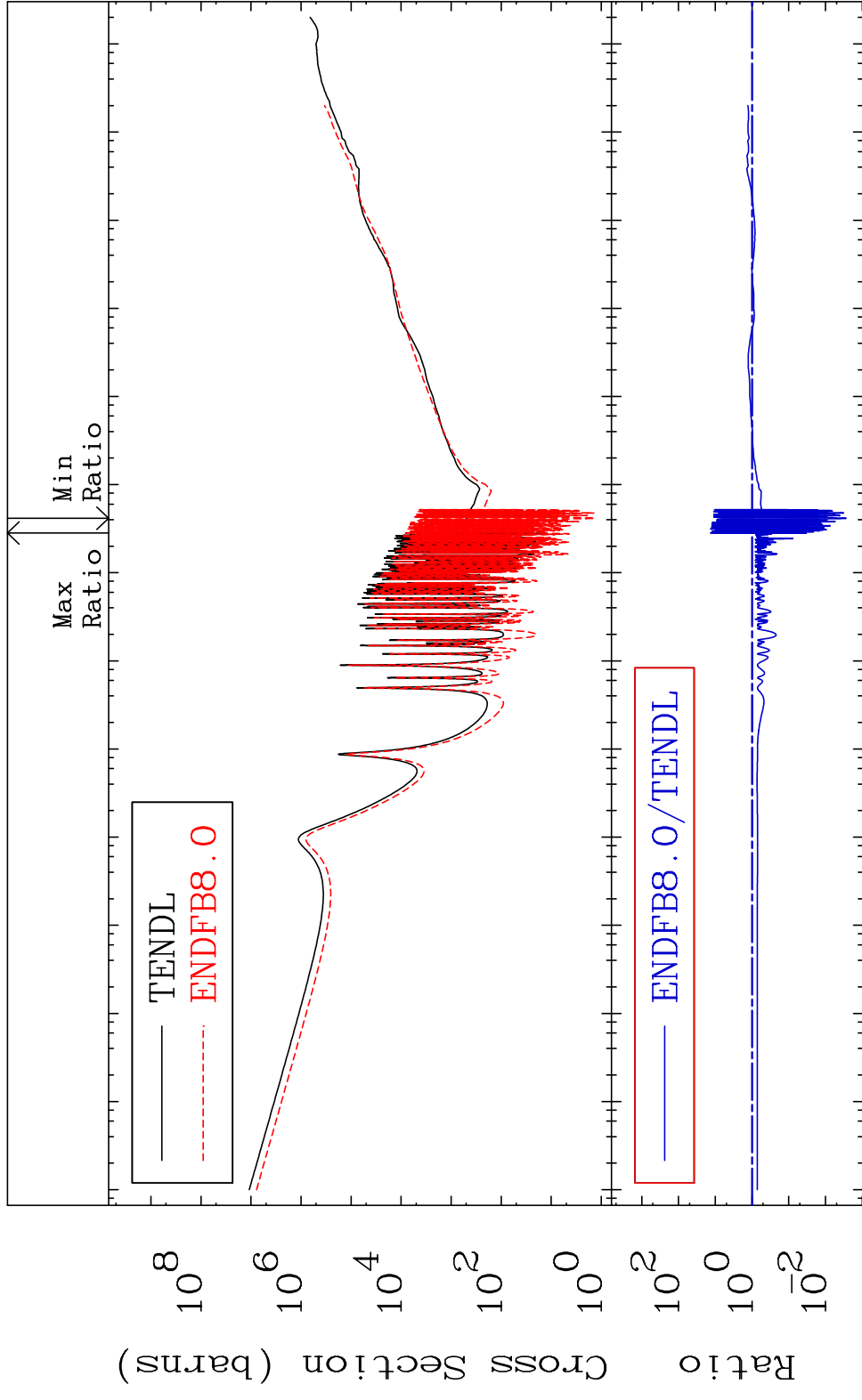


MAT 6240

Dpa total (eV-barns)

62-Sm-149

Cross Section -99.73 To 1229. %



45

Incident Energy (eV)

62-Sm-149

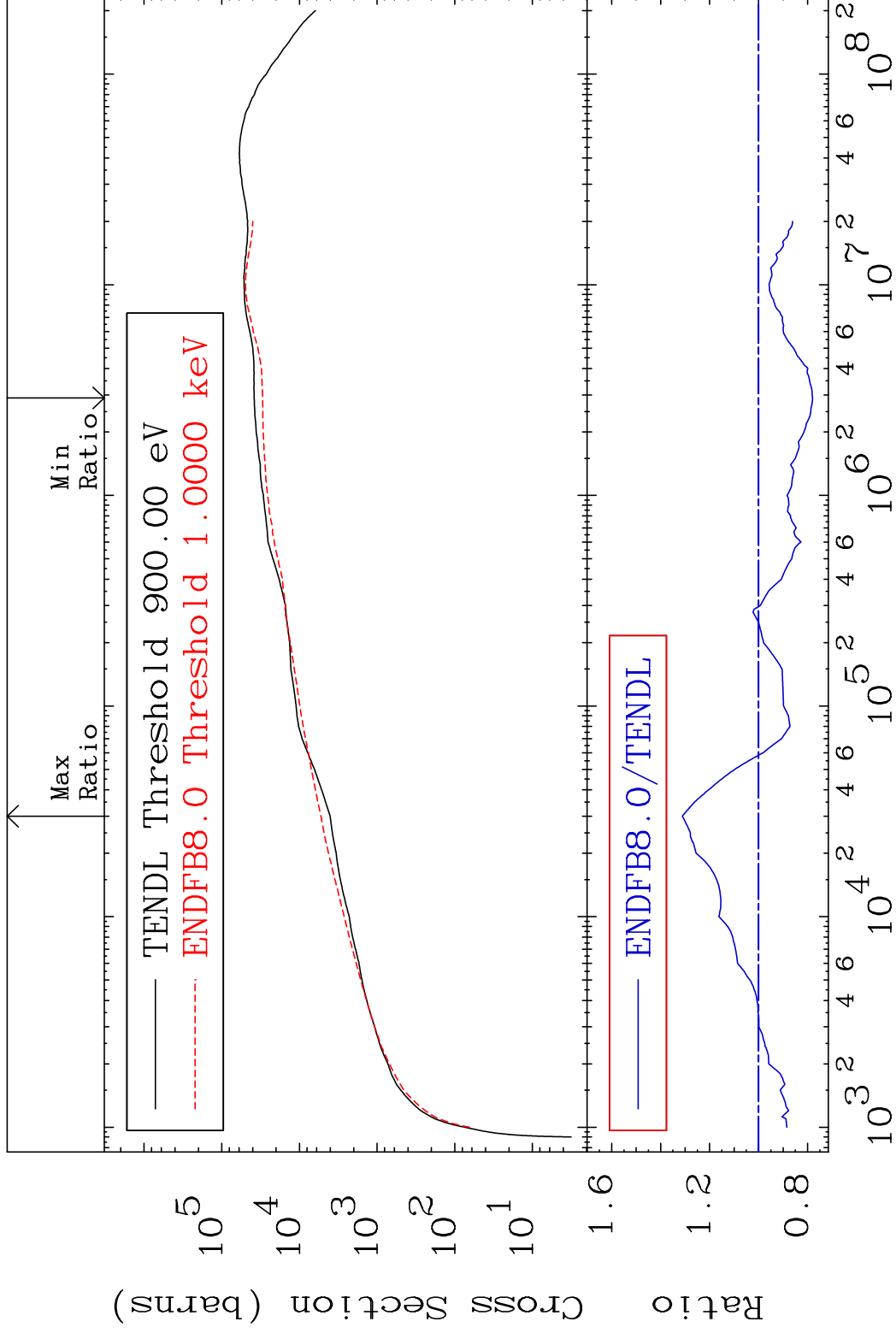
MAT 6240

Dpa elastic (mt2)

62-Sm-149

Cross Section

-22.04 To 31.13 %

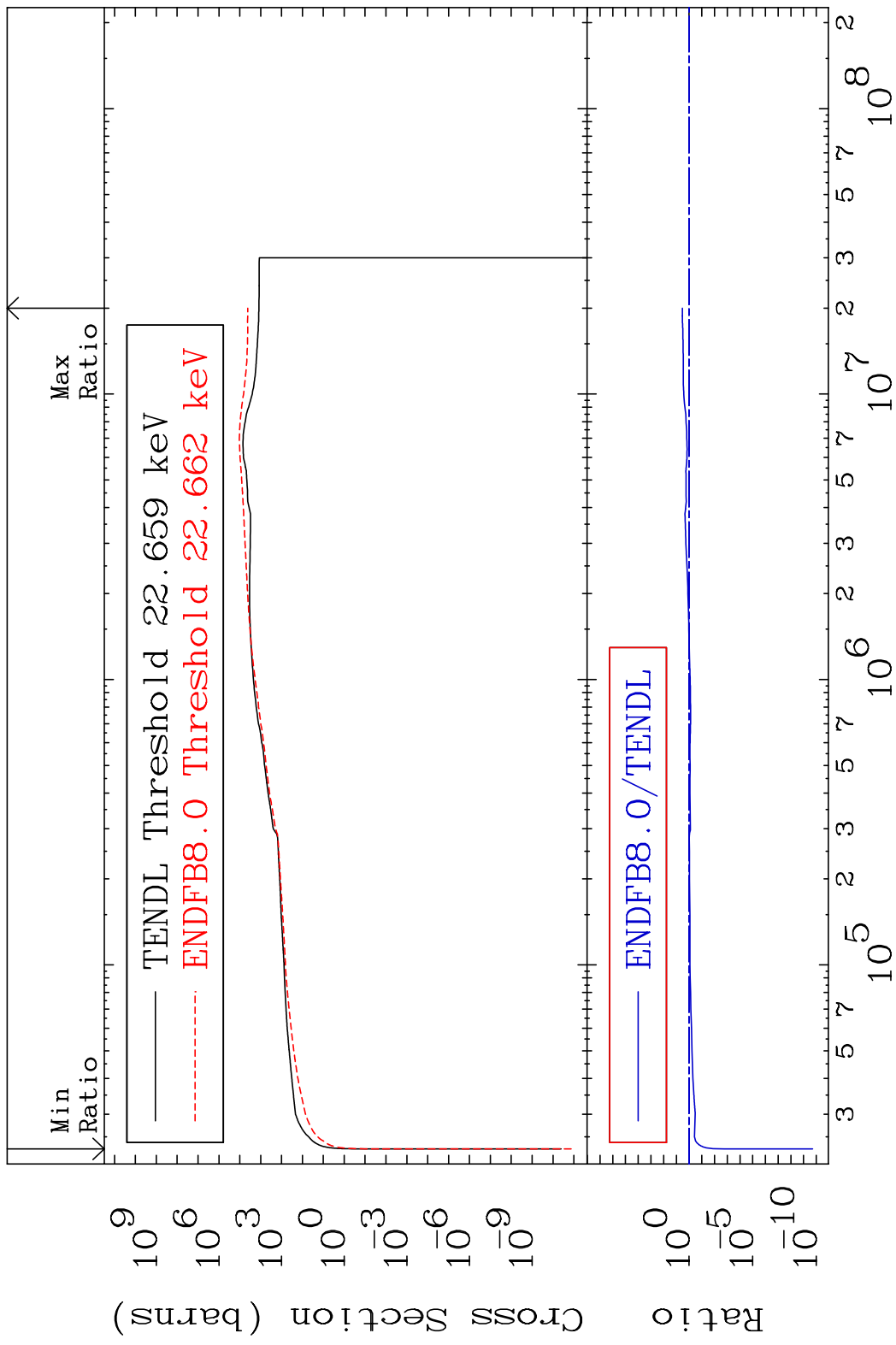


46

Incident Energy (eV)

62-Sm-149

MAT 6240 Dpa inelastic (mt51-91) 62-Sm-149
 Cross Section -100.0 To 238.5 %



MAT 6240 Dpa disappearance (mt102 -120) 62-Sm-149
 Cross Section -99.73 To 1229. %

