

Program Complot
(Version 2018-1)

by

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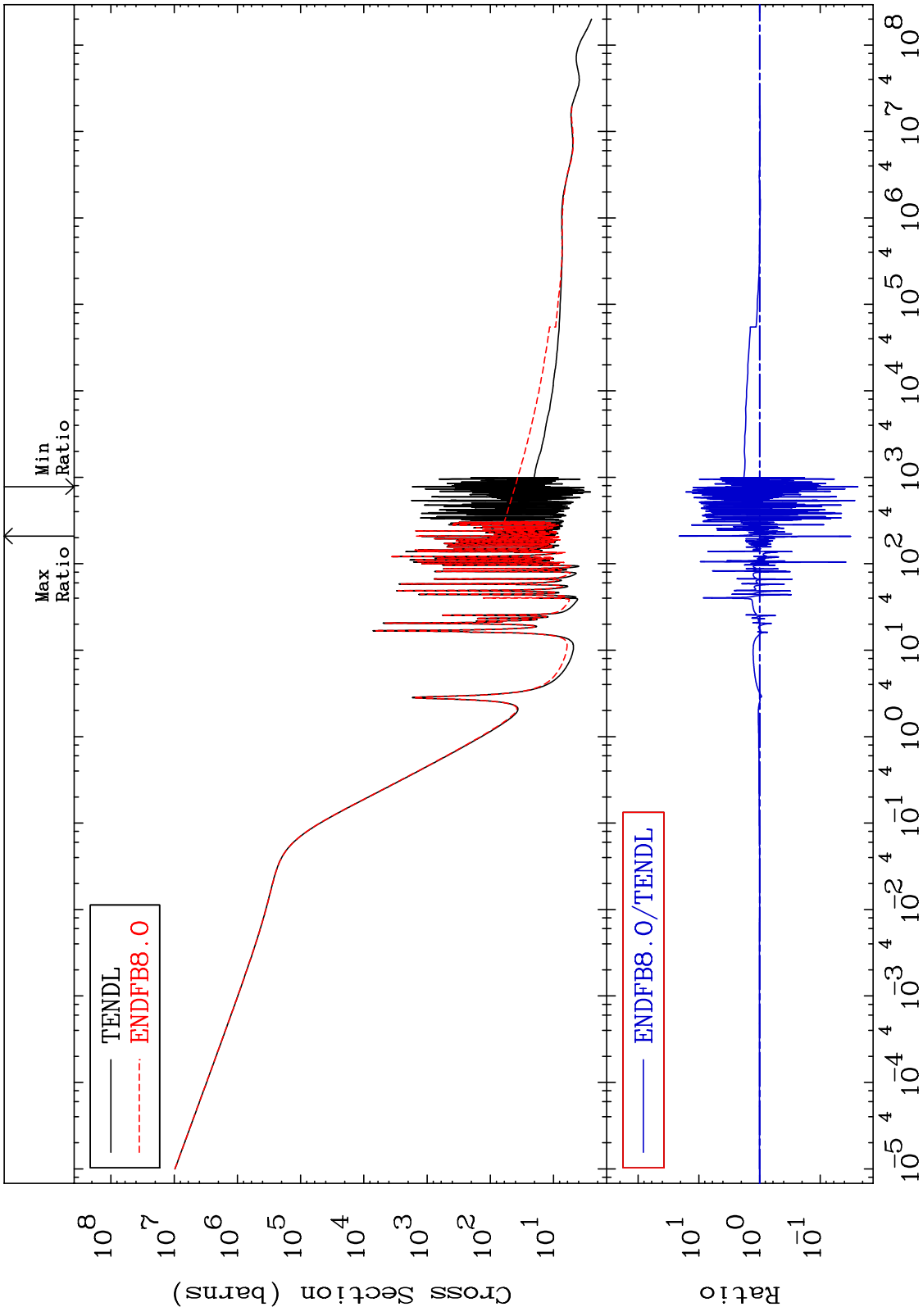
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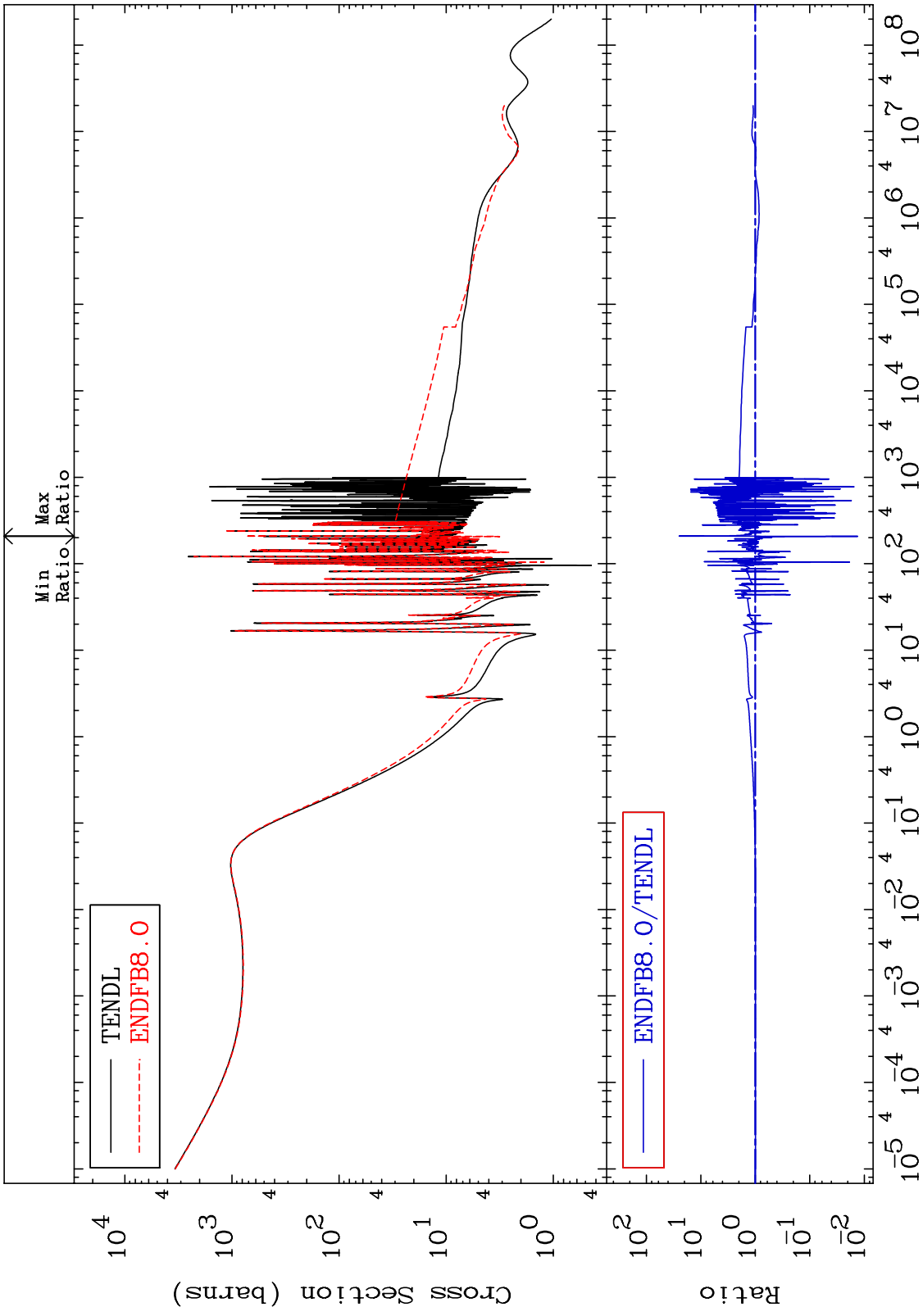
Press Mouse Button to Start

MAT 6440 64-Gd-157
Total Cross Section -97.60 To 2022. %



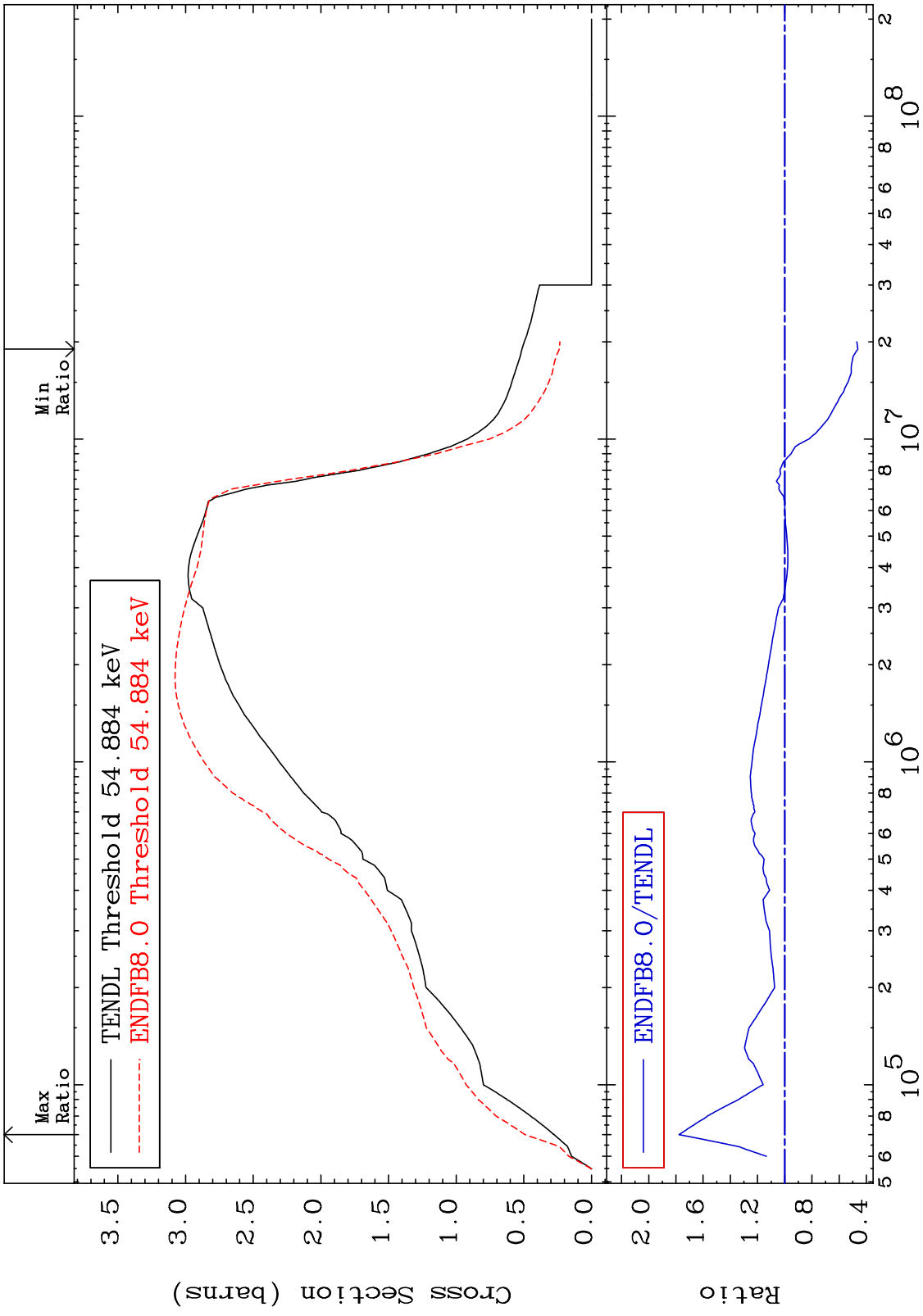
1 Incident Energy (eV) 64-Gd-157

MAT 6440 Elastic Cross Section 64-Gd-157 -98.69 To 2406. %

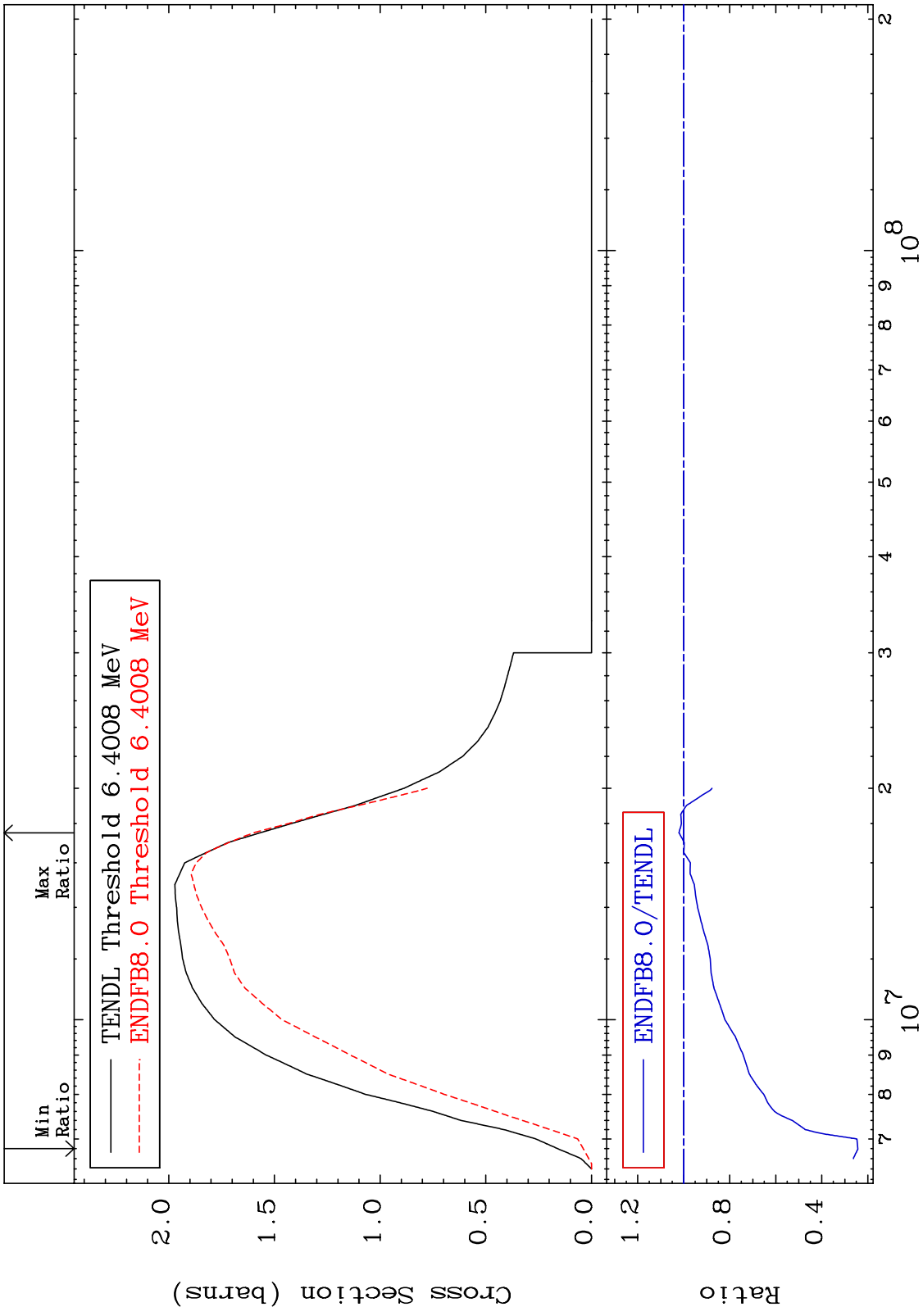


2 64-Gd-157 Incident Energy (eV)

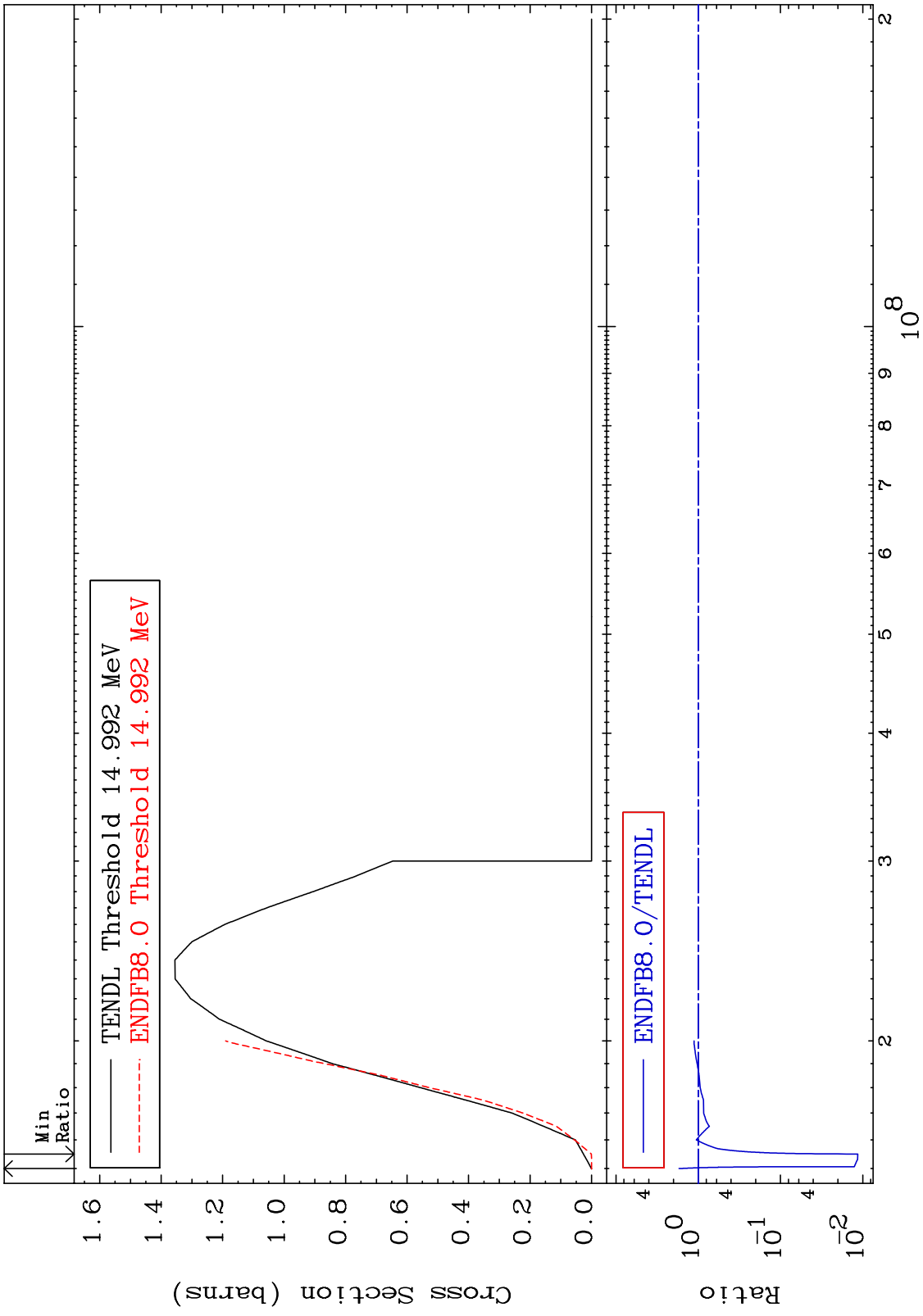
MAT 6440 Inelastic Cross Section 64-Gd-157 -53.74 To 77.71 %



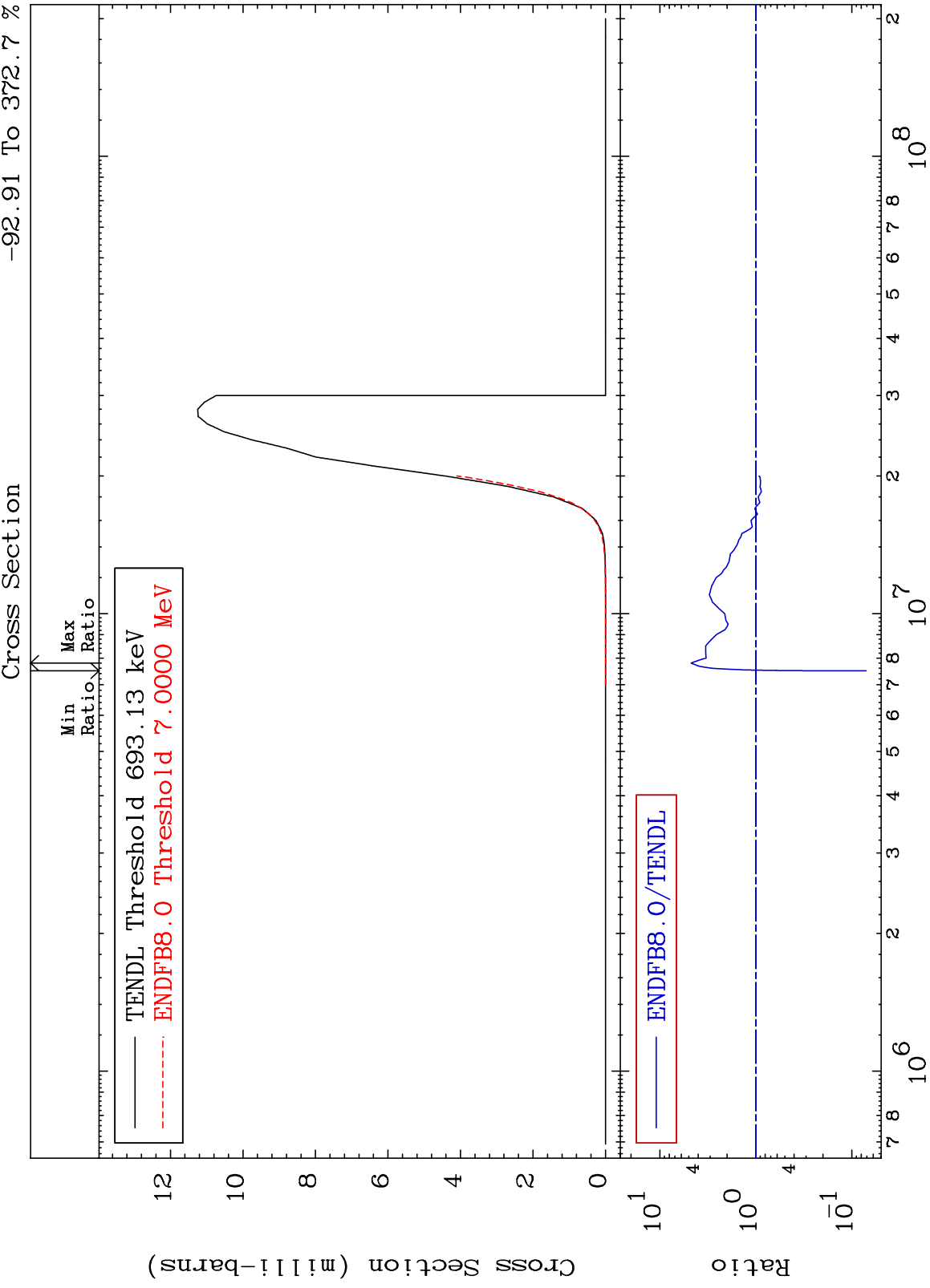
MAT 6440 (n,2n) 64-Gd-157
Cross Section -75.67 To 2.043 %



MAT 6440 (n,3n) Cross Section 64-Gd-157 -98.85 To 71.19 %

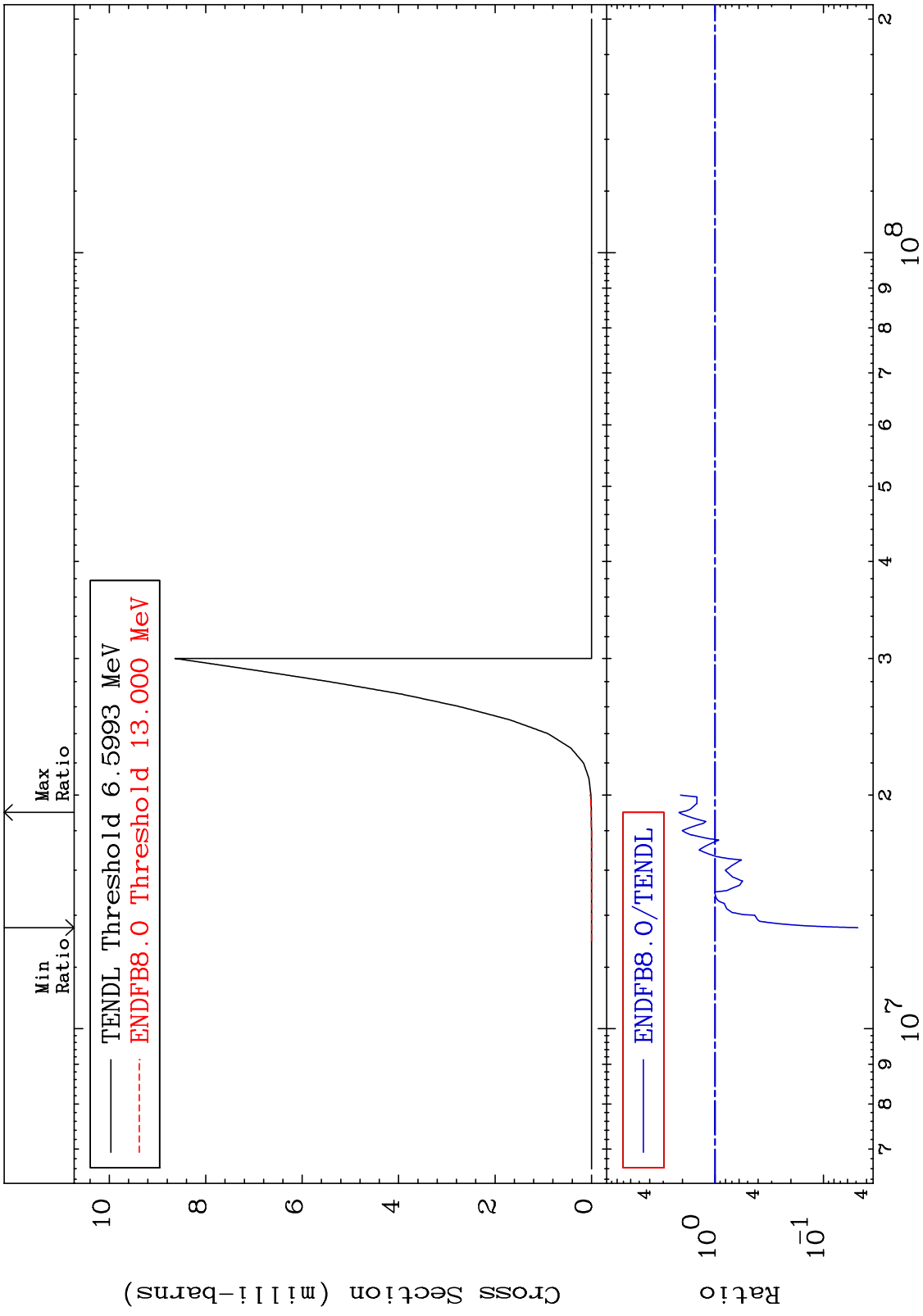


MAT 6440 $(n, n') \alpha$ 64-Gd-157 -92.91 To 372.7 %

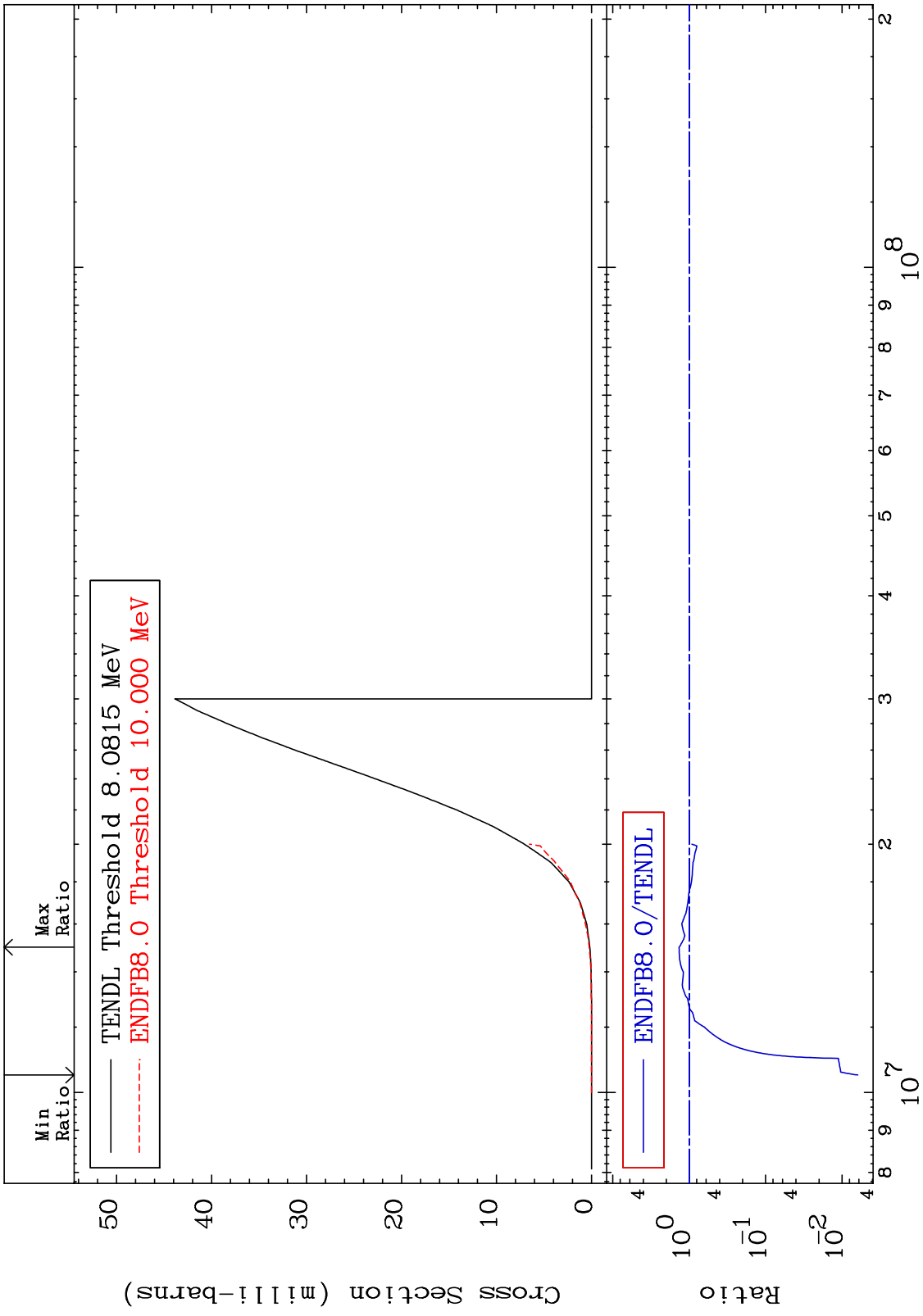


6 64-Gd-157

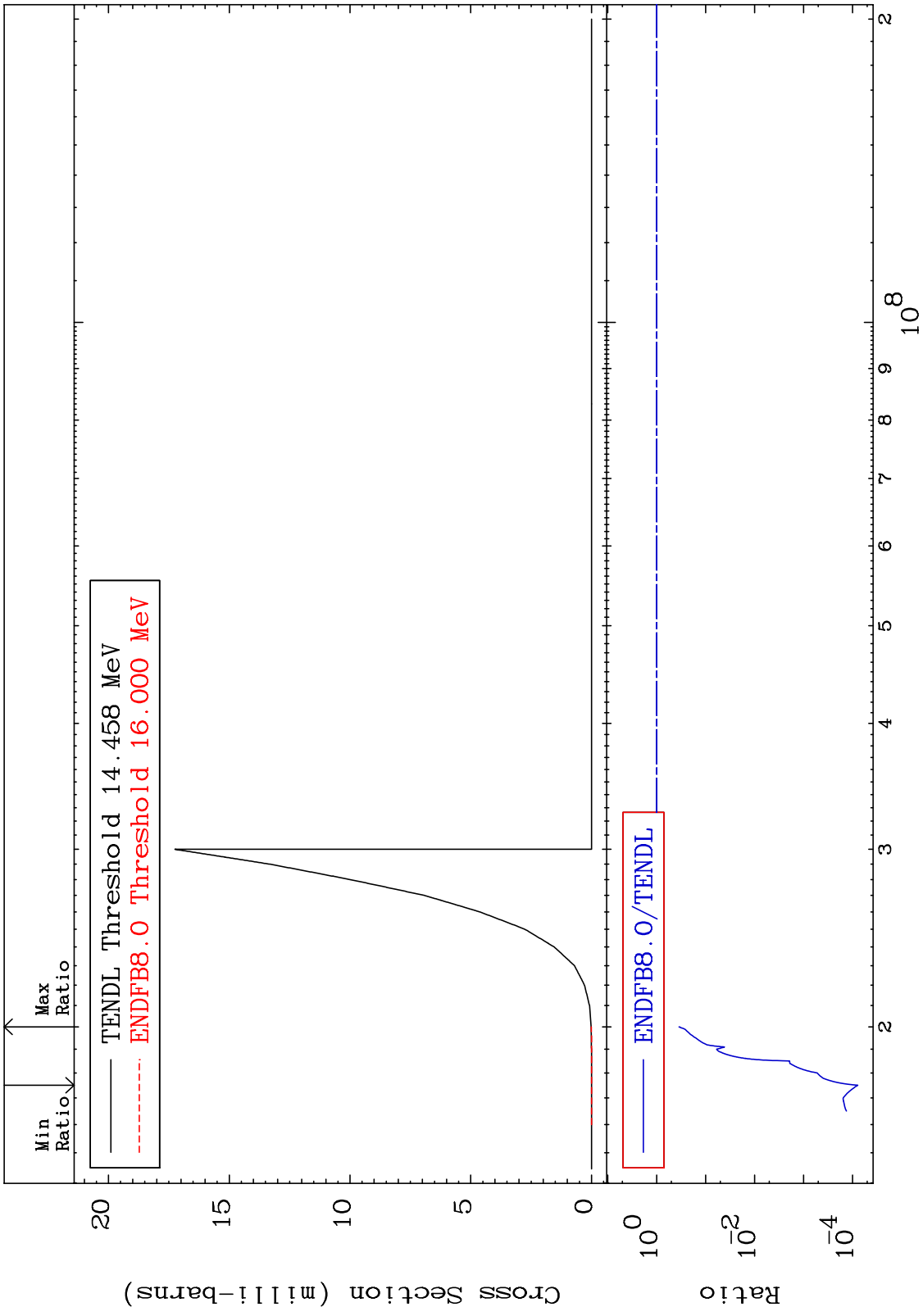
MAT 6440 $(n, 2n) \alpha$ Cross Section 64-Gd-157 -95.18 To 114.7 %



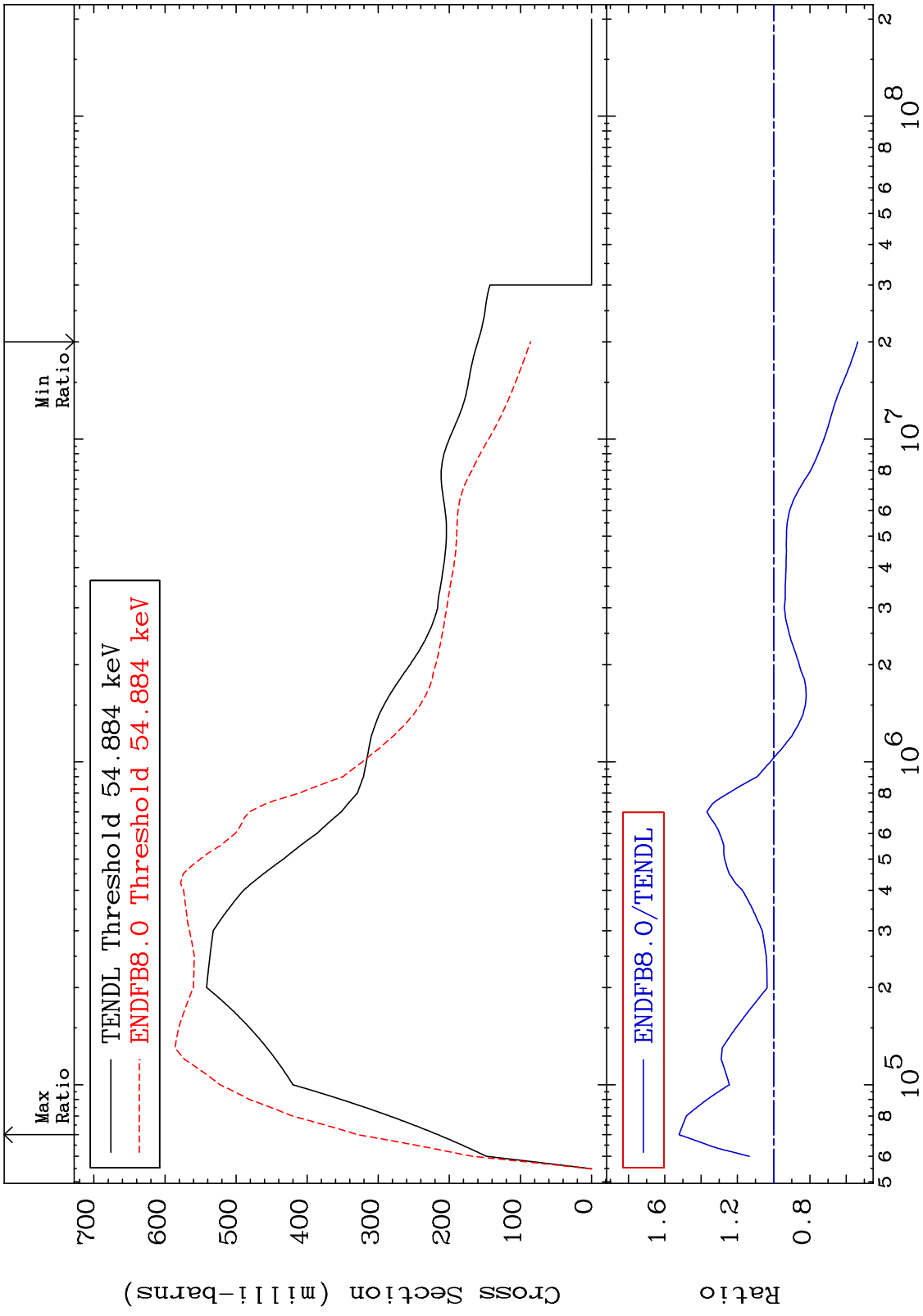
MAT 6440 (n,n') p 64-Gd-157
 Cross Section -99.38 To 35.94 %



8 Incident Energy (eV) 64-Gd-157

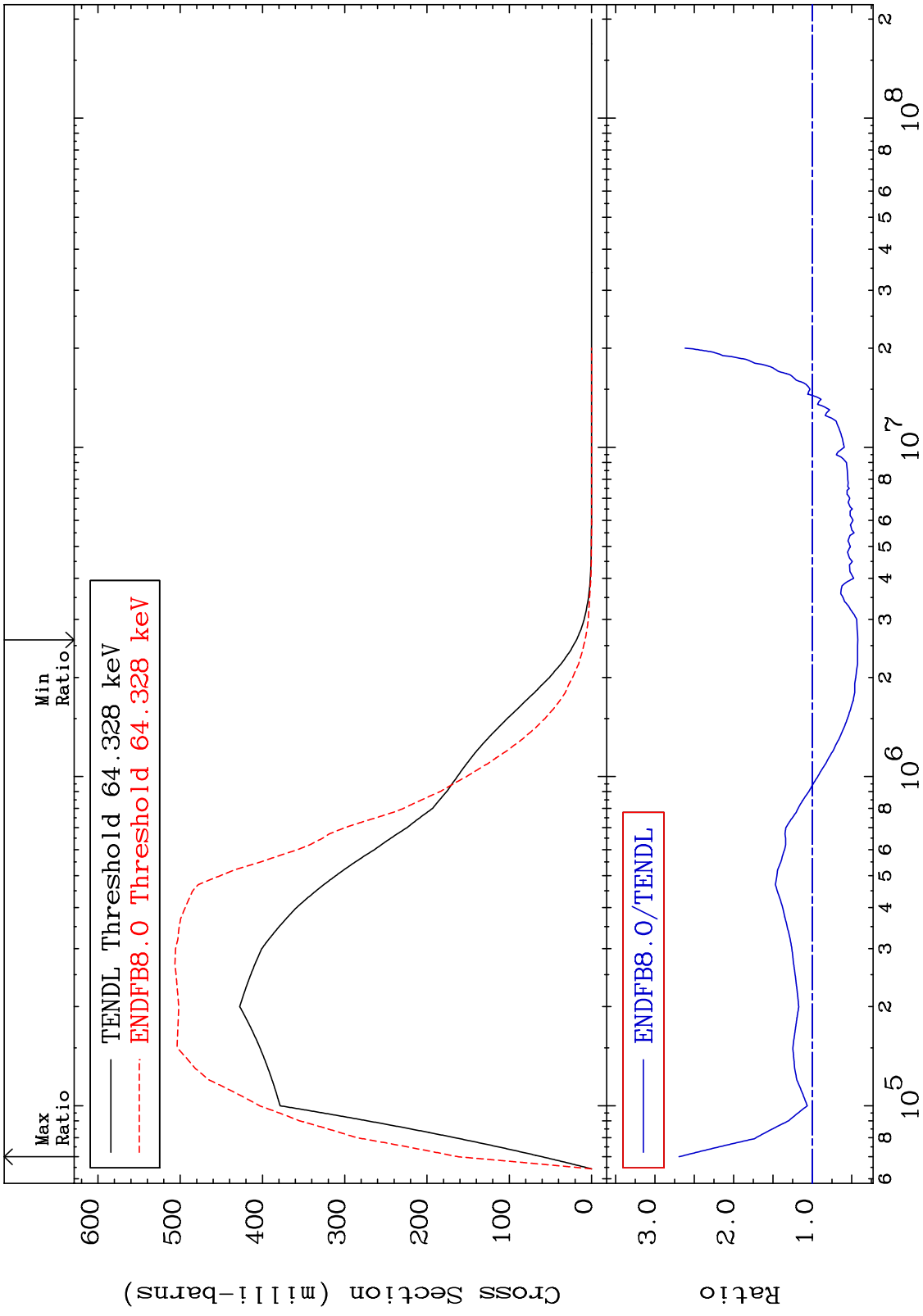


MAT 6440 MT= 51 (n,n') Level Cross Section 64-Gd-157
 -46.40 To 52.12 %

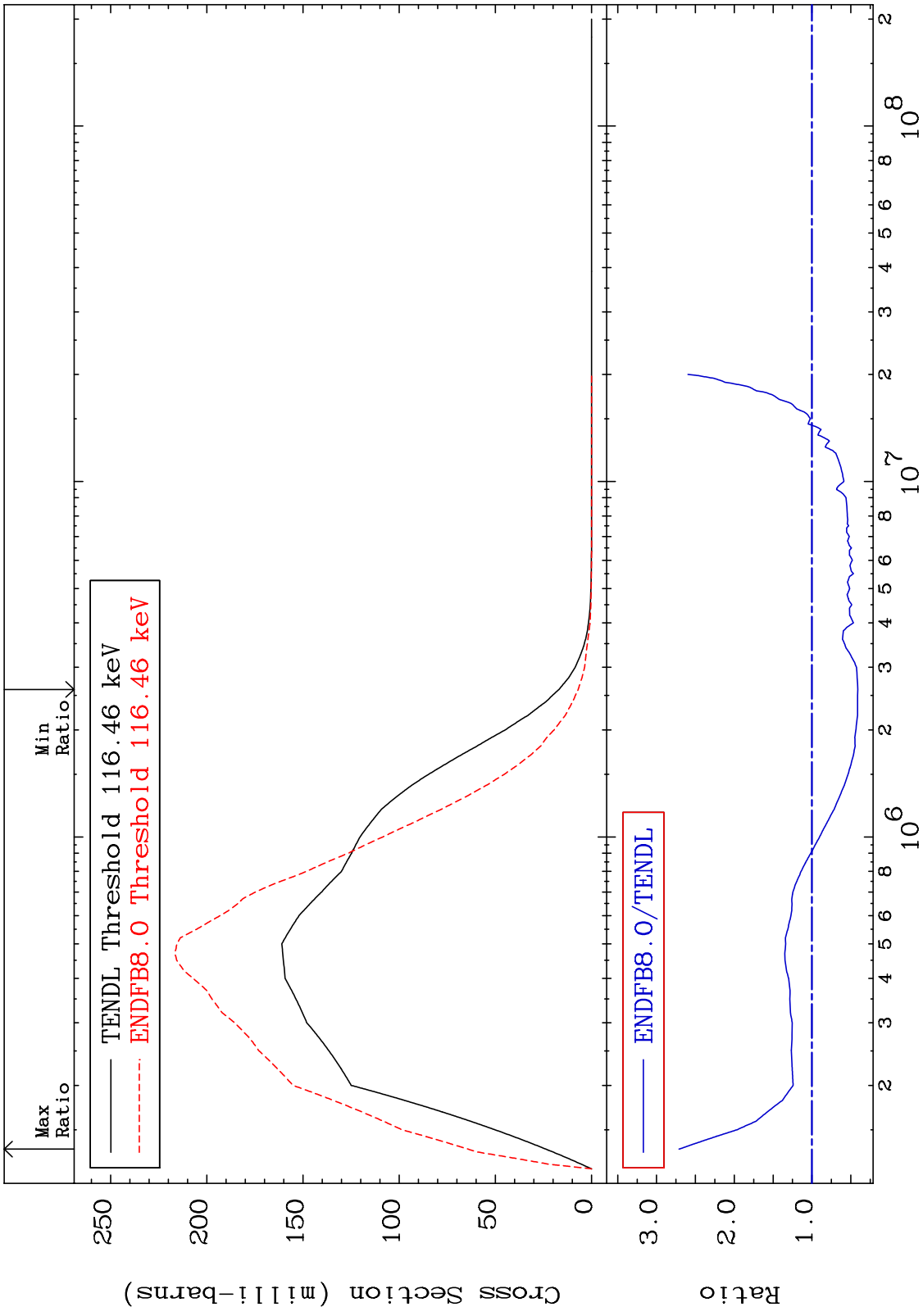


10 Incident Energy (eV) 64-Gd-157

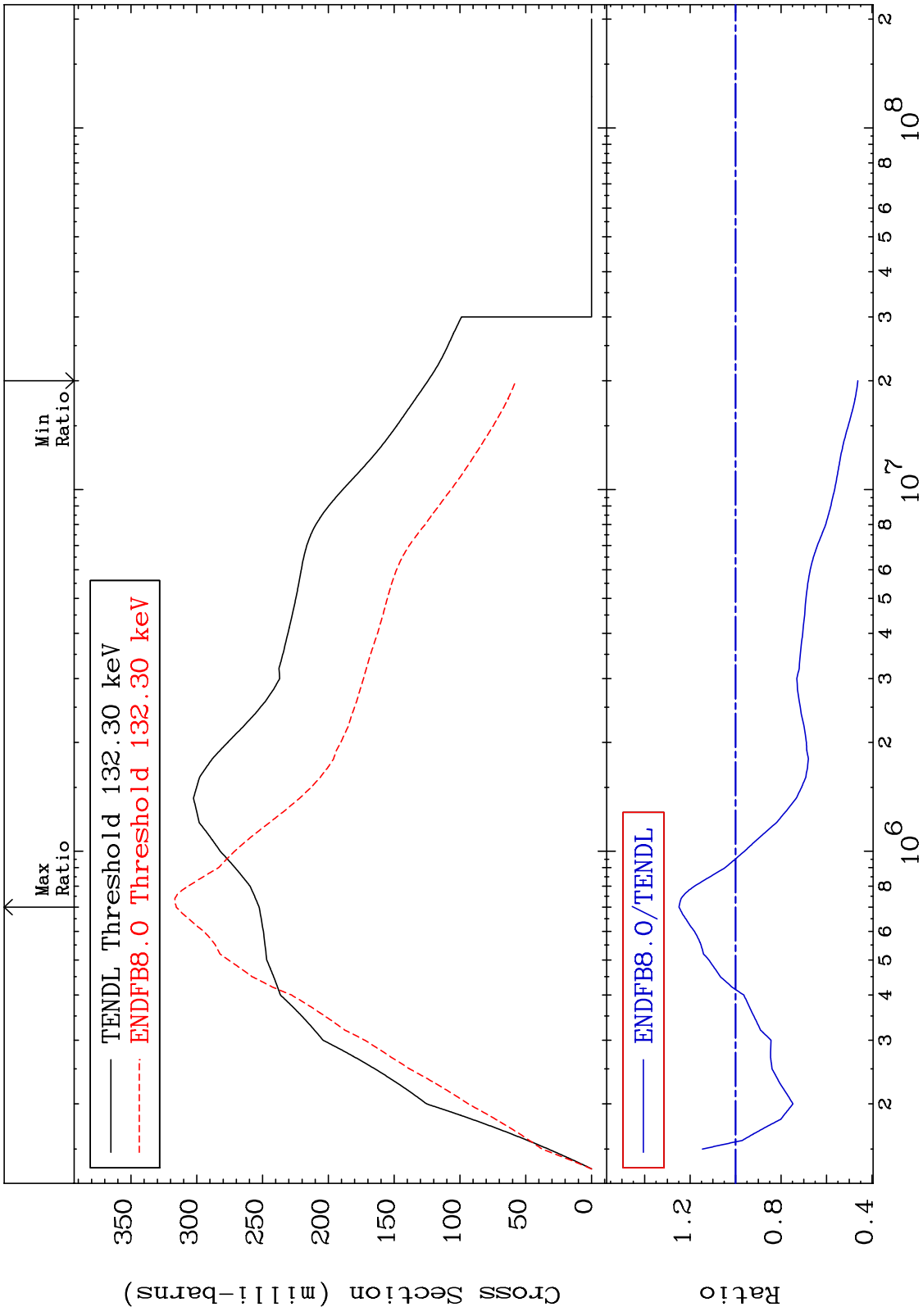
MAT 6440 MT= 52 (n,n') Level Cross Section 64-Gd-157
 -57.76 To 169.5 %



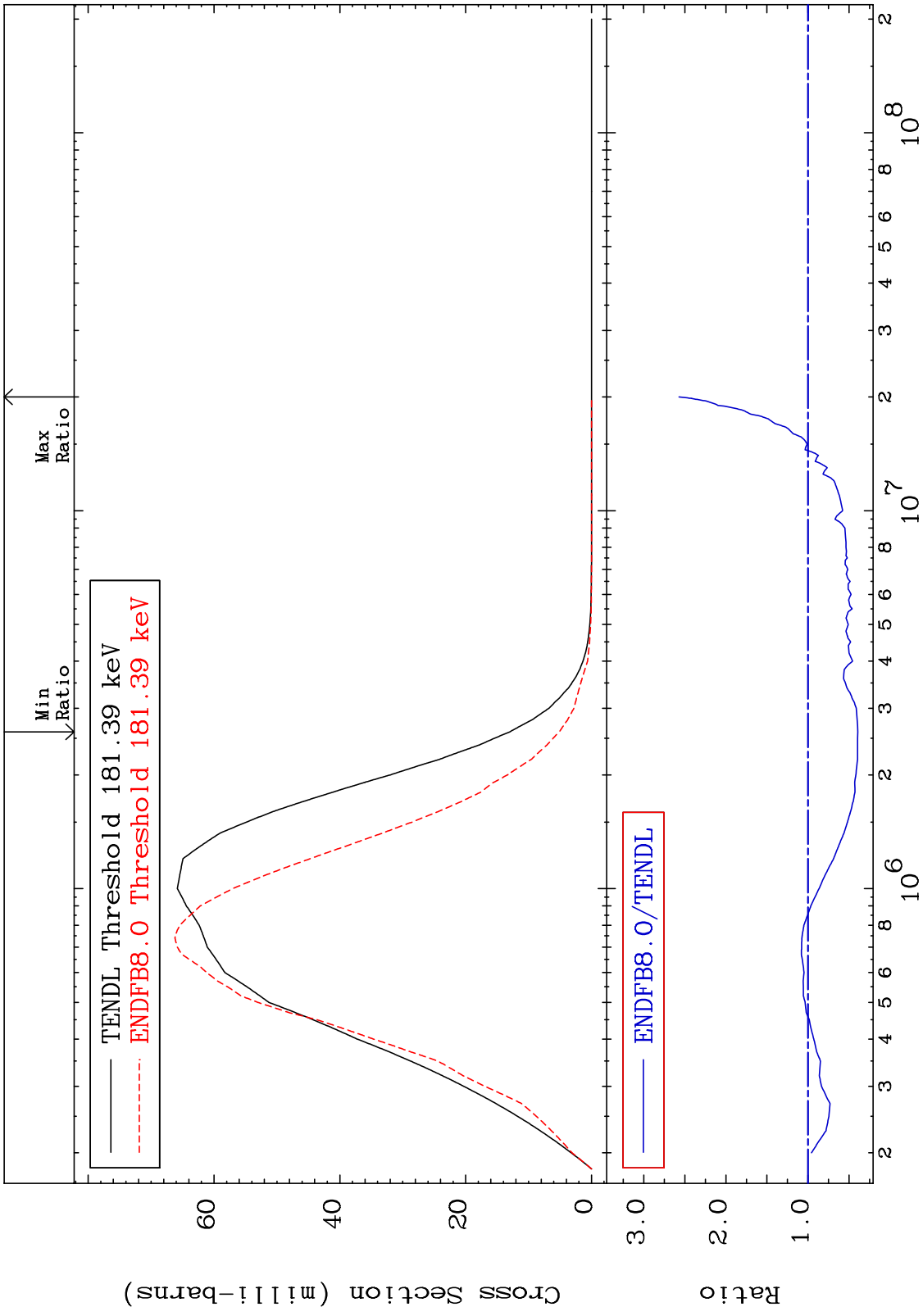
MAT 6440 MT= 53 (n,n') Level Cross Section 64-Gd-157
 -59.06 To 171.0 %



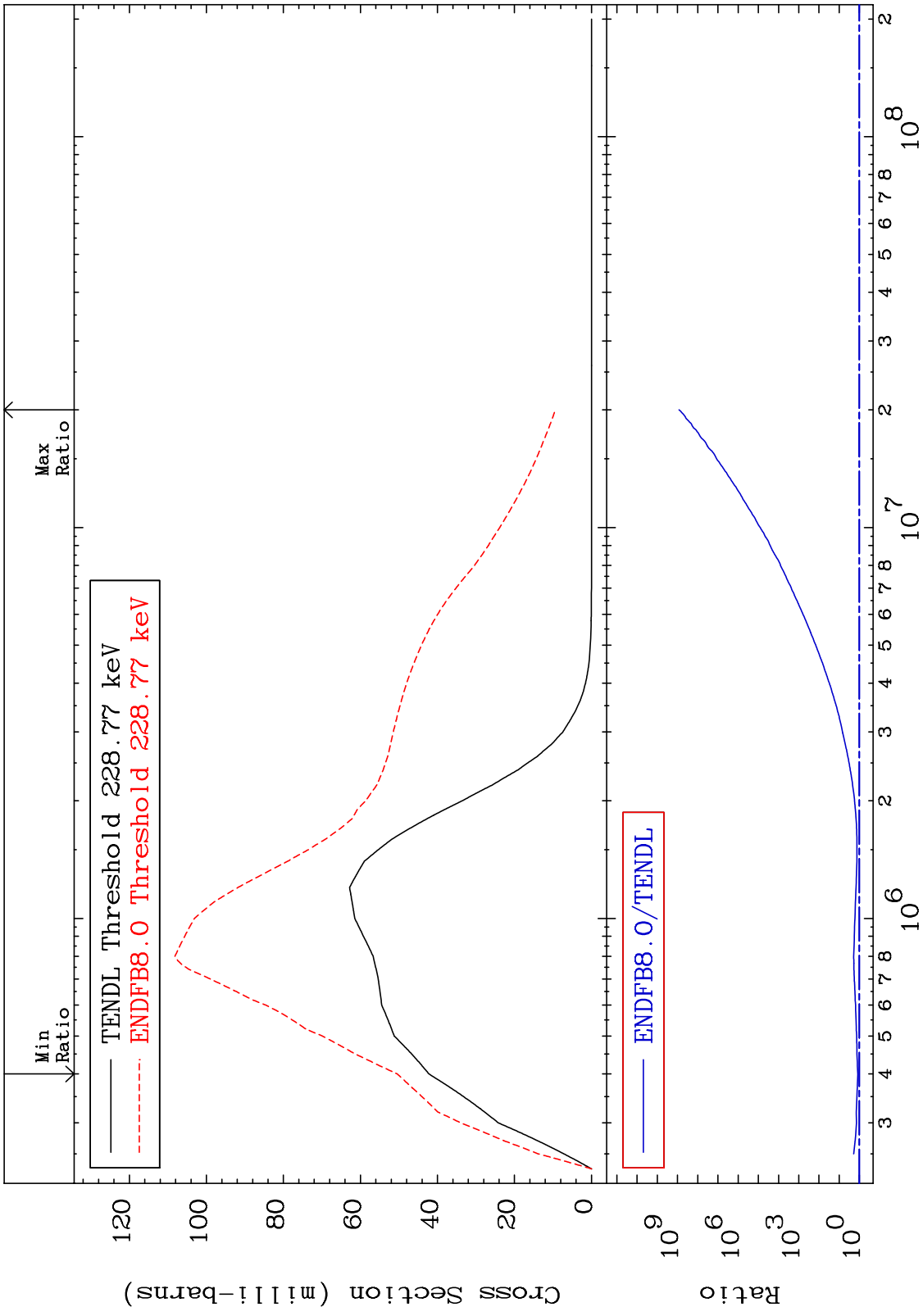
MAT 6440 MT= 54 (n,n') Level Cross Section 64-Gd-157
 -53.76 To 24.91 %



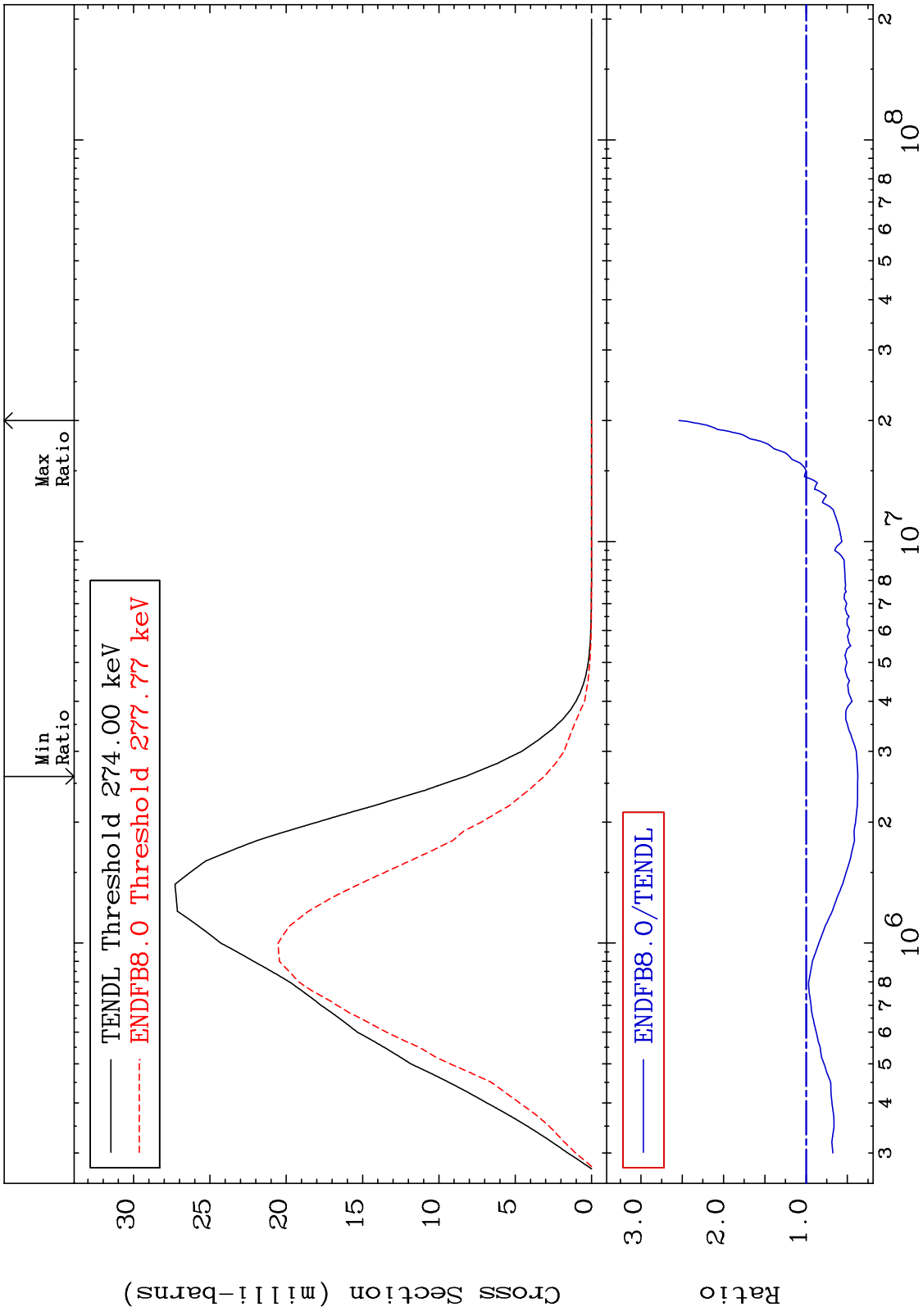
MAT 6440 MT= 55 (n,n') Level Cross Section 64-Gd-157 -60.64 To 157.0 %



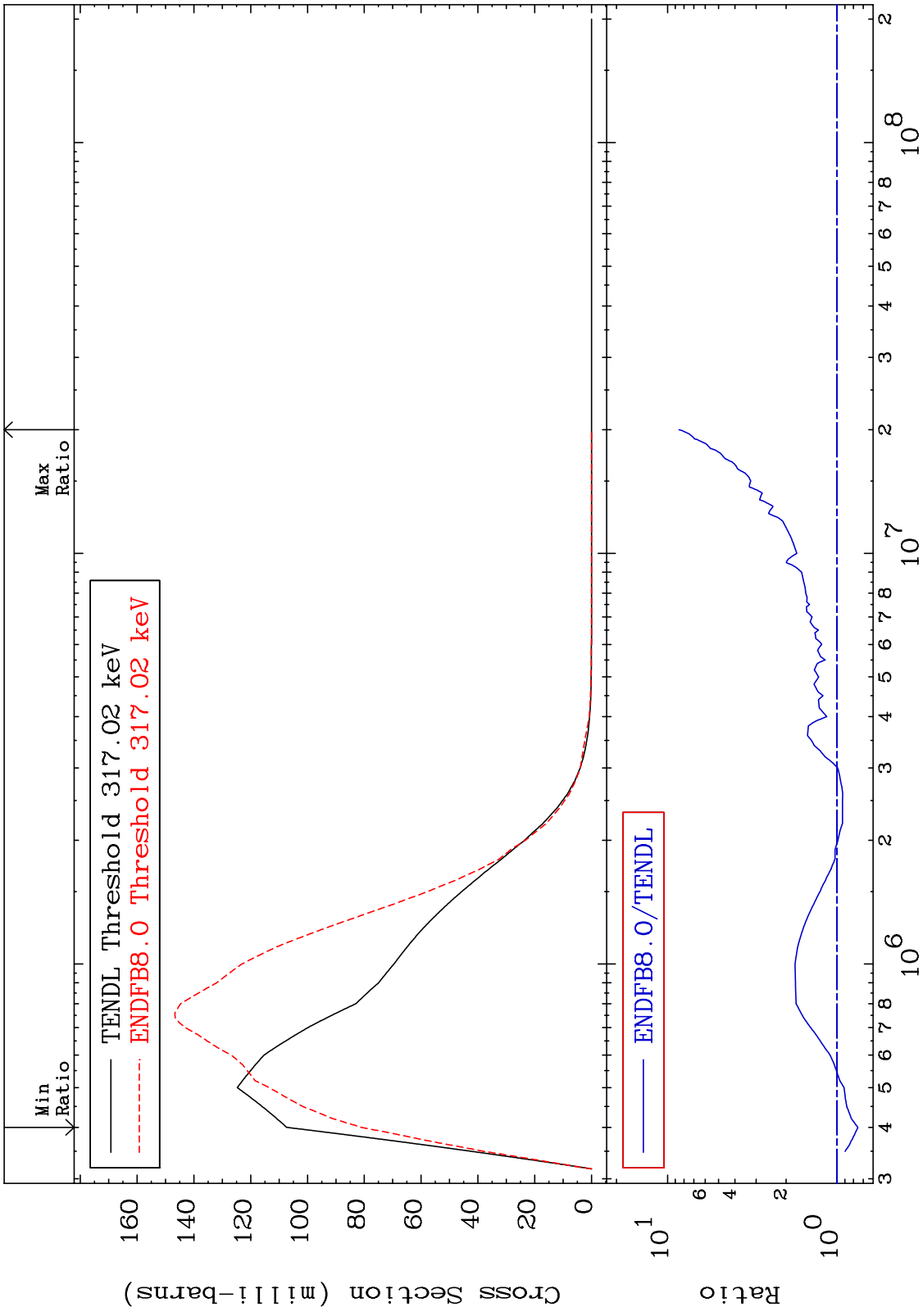
MAT 6440 MT= 56 (n,n') Level Cross Section 64-Gd-157 19.54 To 9999. %



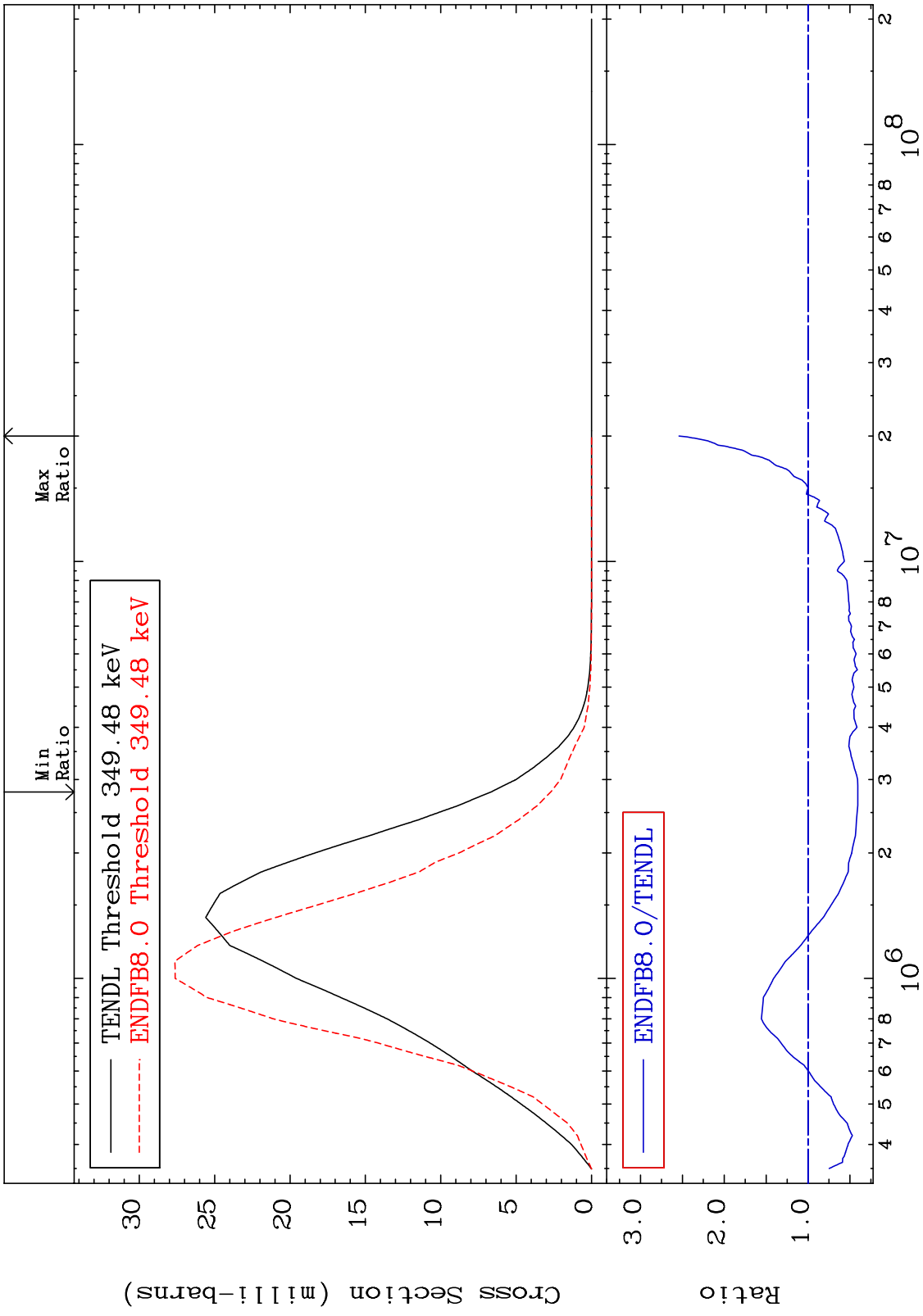
MAT 6440 MT= 57 (n,n') Level Cross Section 64-Gd-157
 -62.64 To 153.9 %



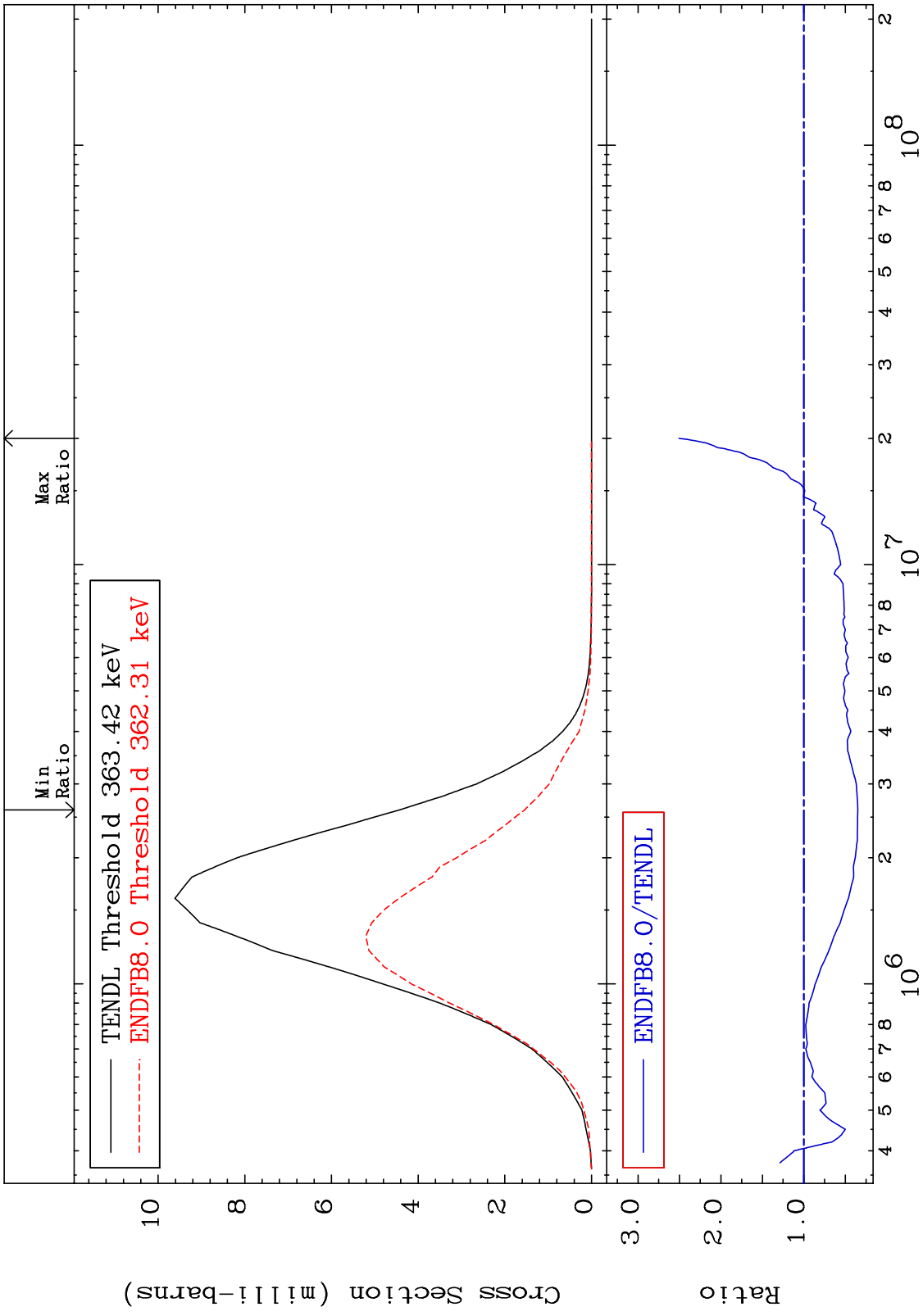
MAT 6440 MT= 58 (n,n') Level Cross Section 64-Gd-157
 -24.56 To 755.4 %



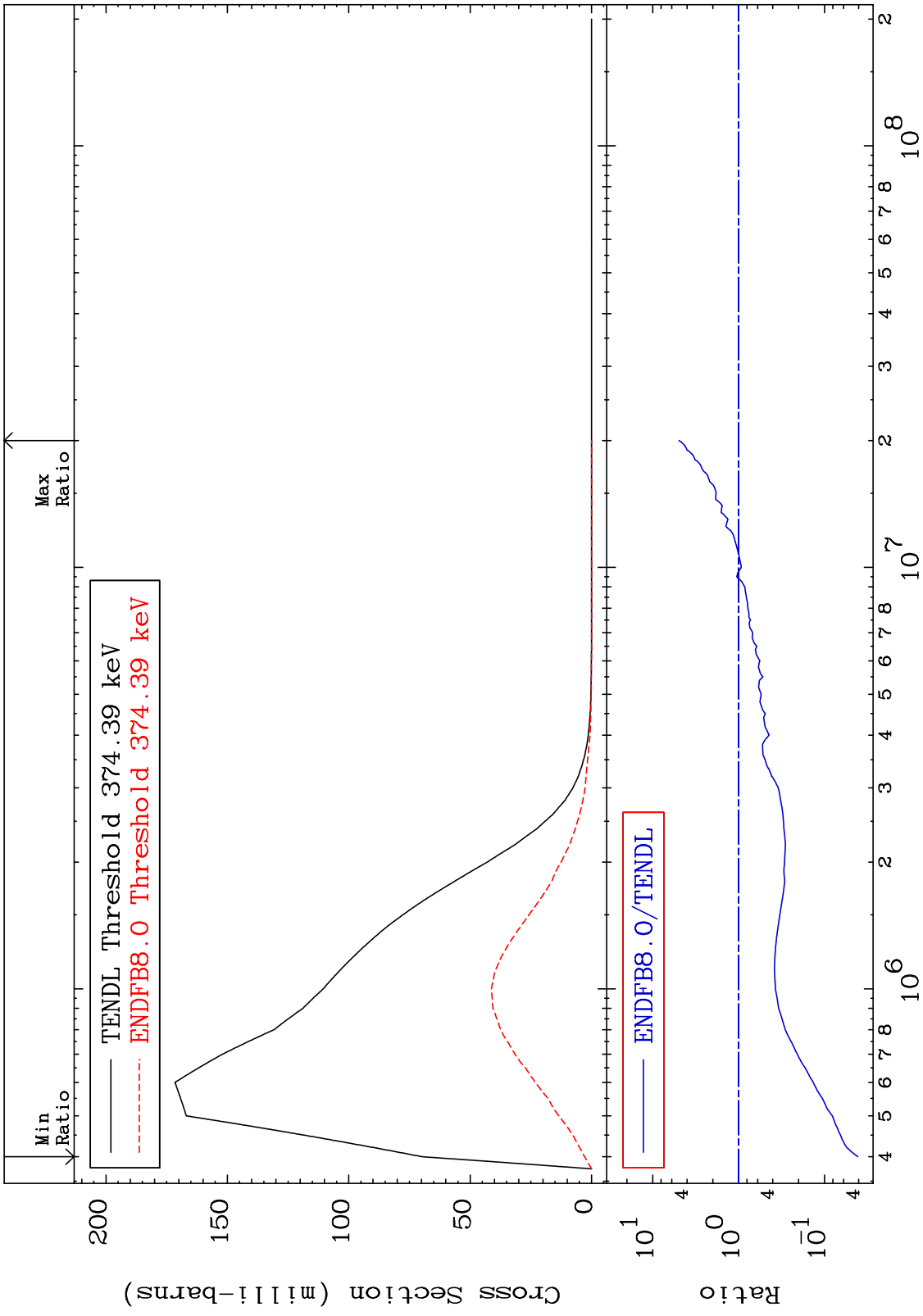
MAT 6440 MT= 59 (n,n') Level Cross Section 64-Gd-157
 -59.40 To 154.0 %



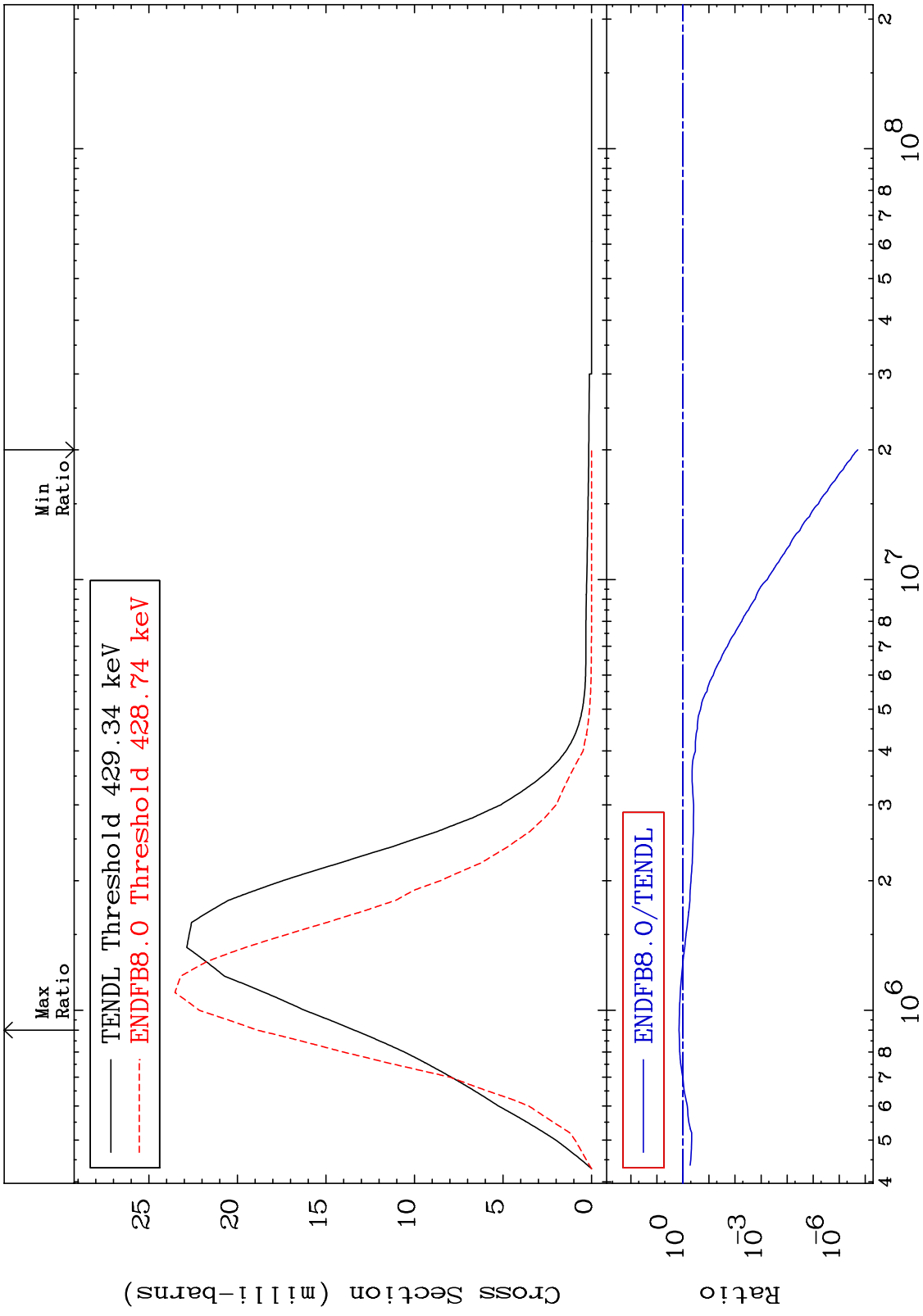
MAT 6440 MT= 60 (n,n') Level Cross Section 64-Gd-157
 -65.12 To 150.5 %



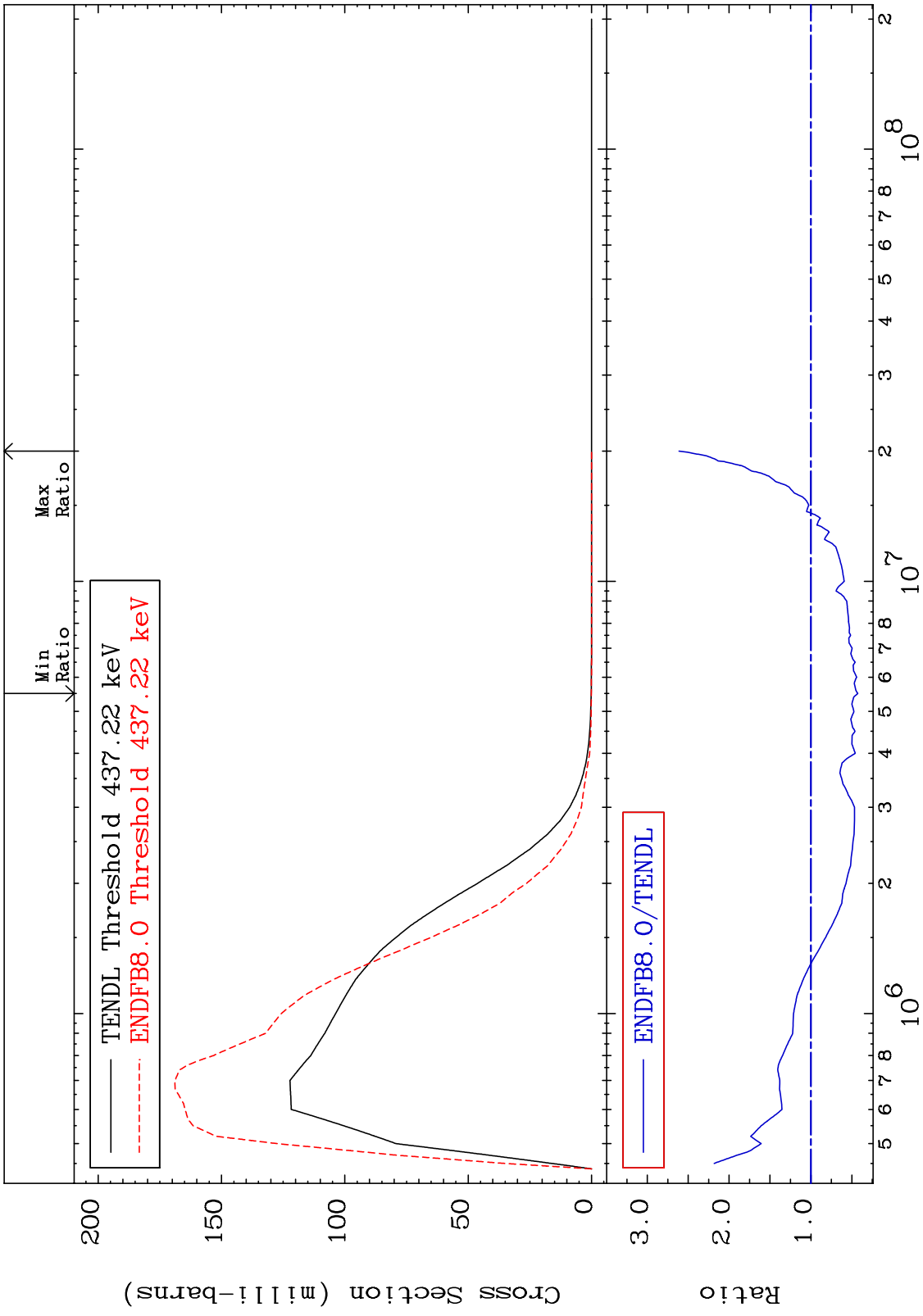
MAT 6440 MT= 61 (n,n') Level Cross Section 64-Gd-157 -95.92 To 394.7 %



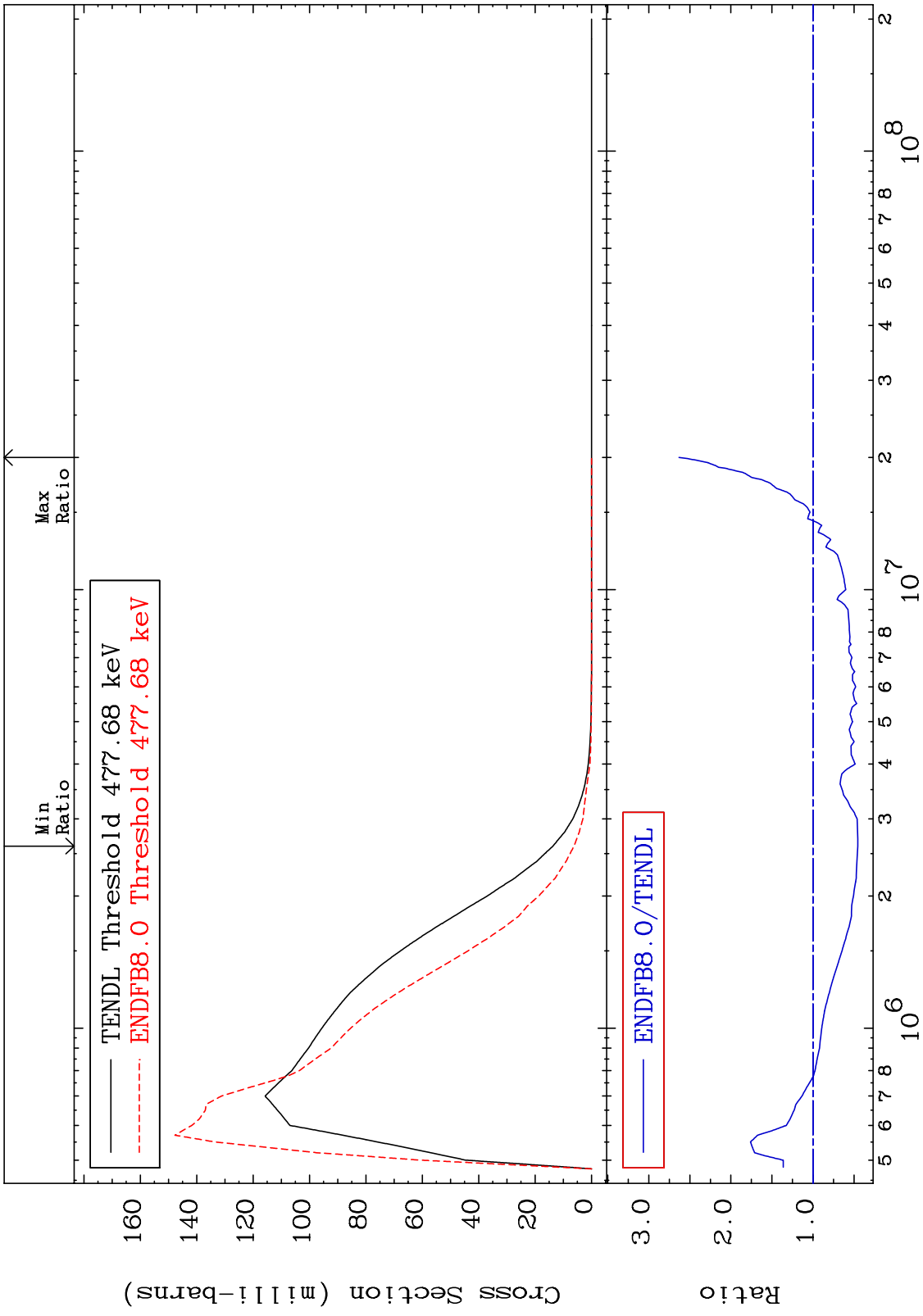
MAT 6440 MT= 62 (n,n') Level Cross Section 64-Gd-157
 -100.0 To 40.89 %



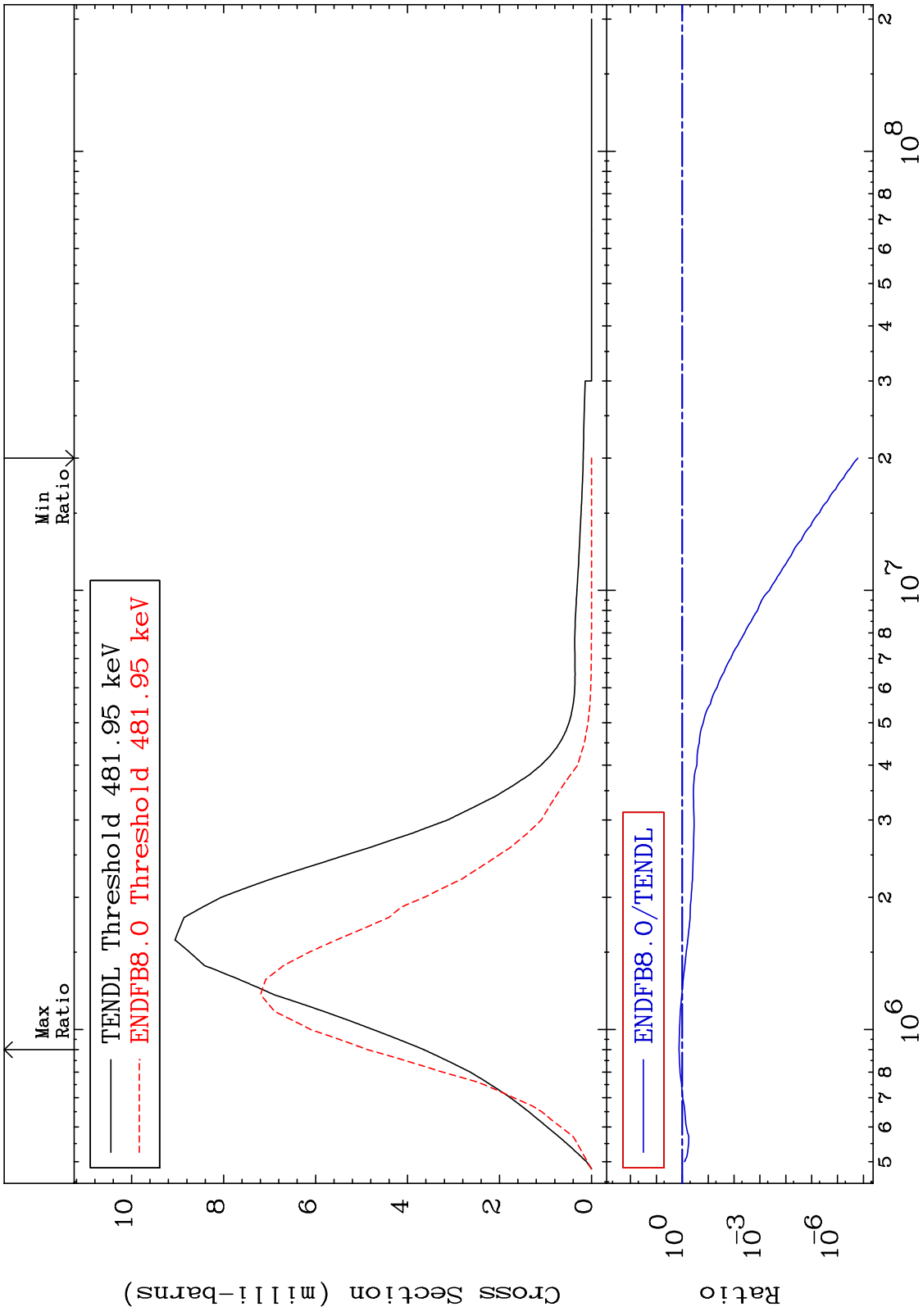
MAT 6440 MT= 63 (n,n') Level Cross Section 64-Gd-157
 -57.38 To 161.2 %



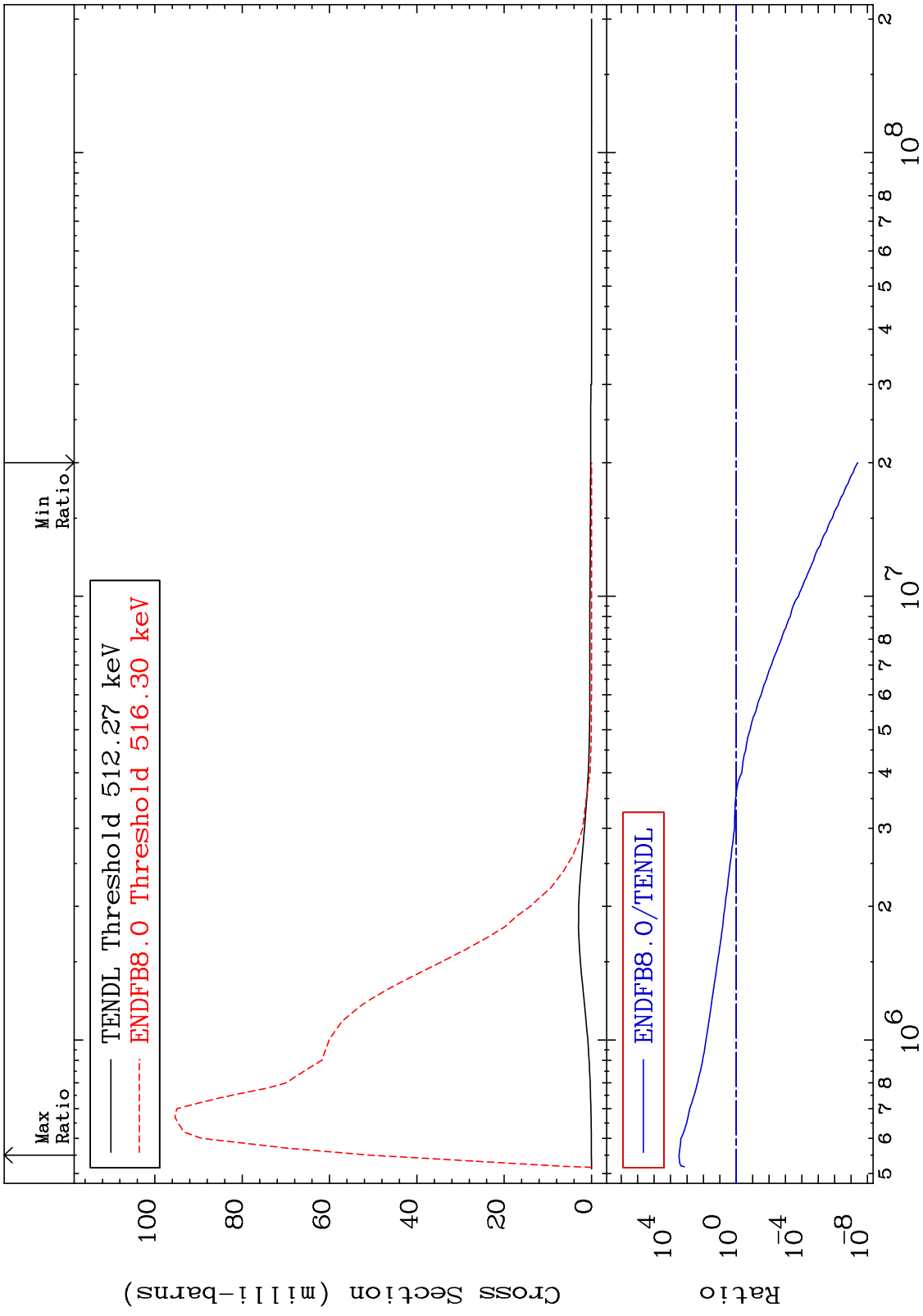
MAT 6440 MT= 64 (n,n') Level Cross Section 64-Gd-157
 -54.69 To 163.1 %



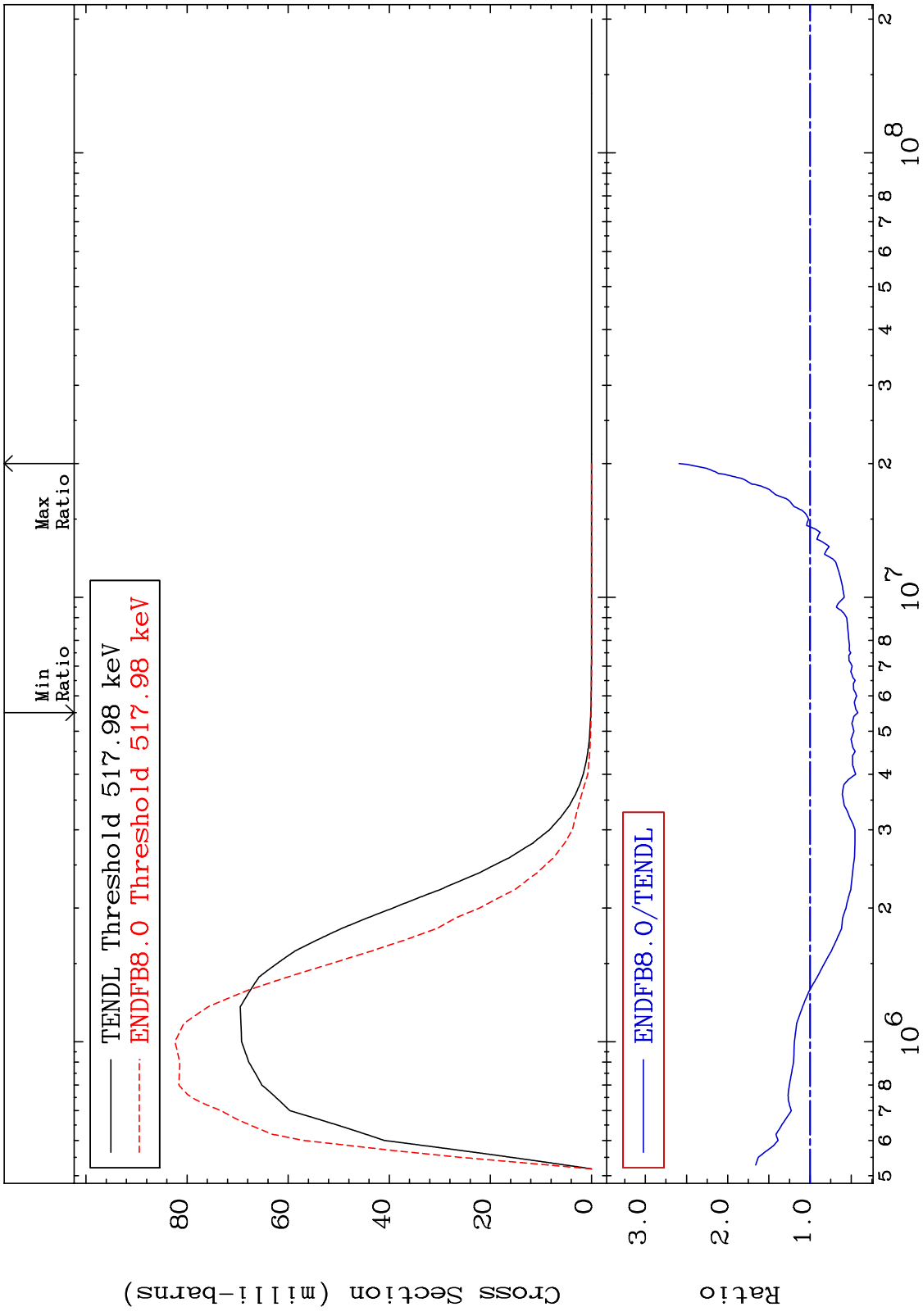
MAT 6440 MT= 65 (n,n') Level Cross Section 64-Gd-157
 -100.0 To 33.45 %



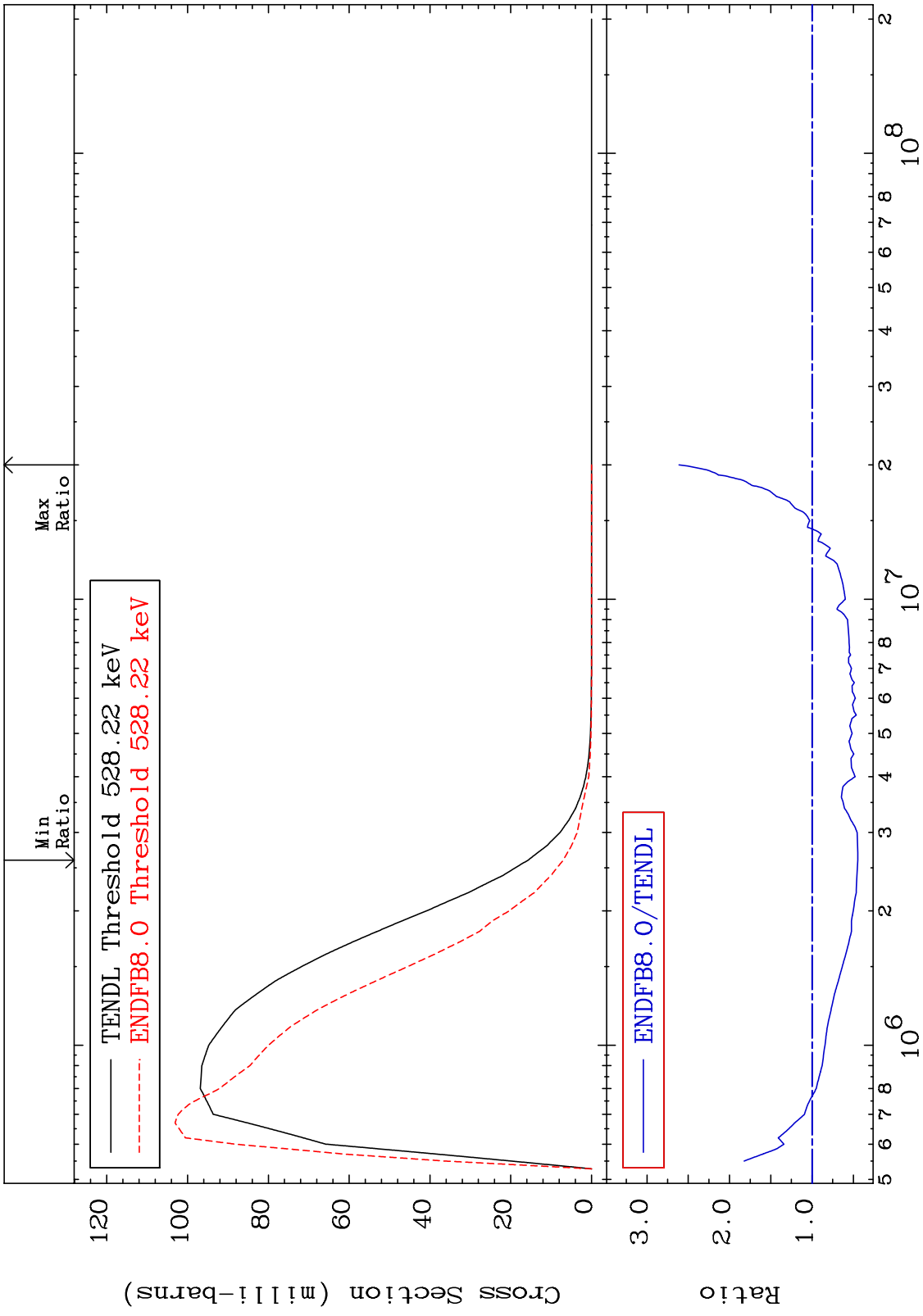
MAT 6440 MT= 66 (n,n') Level Cross Section 64-Gd-157
 -100.0 To 9999. %



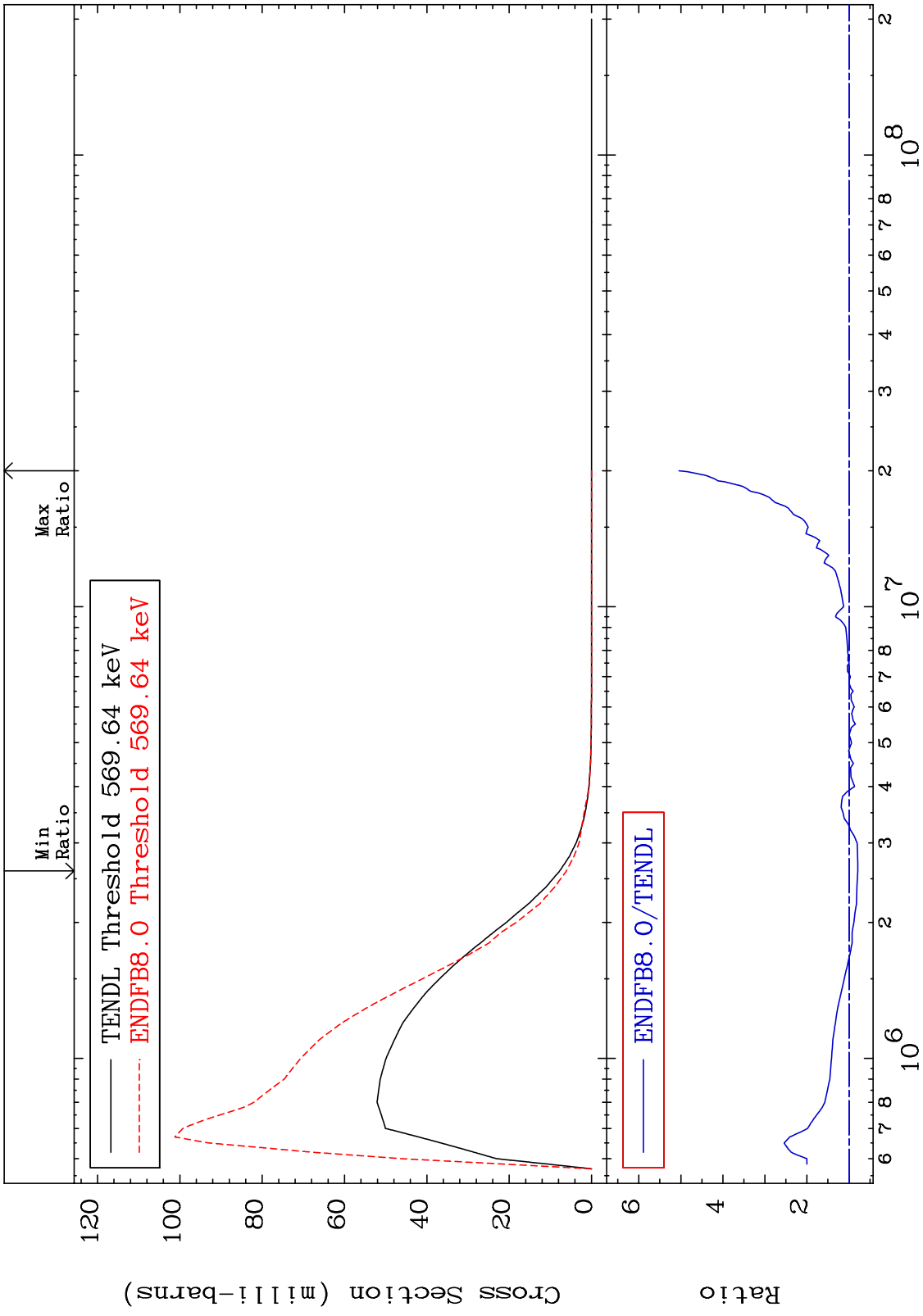
MAT 6440 MT= 67 (n,n') Level Cross Section 64-Gd-157
 -57.93 To 159.1 %



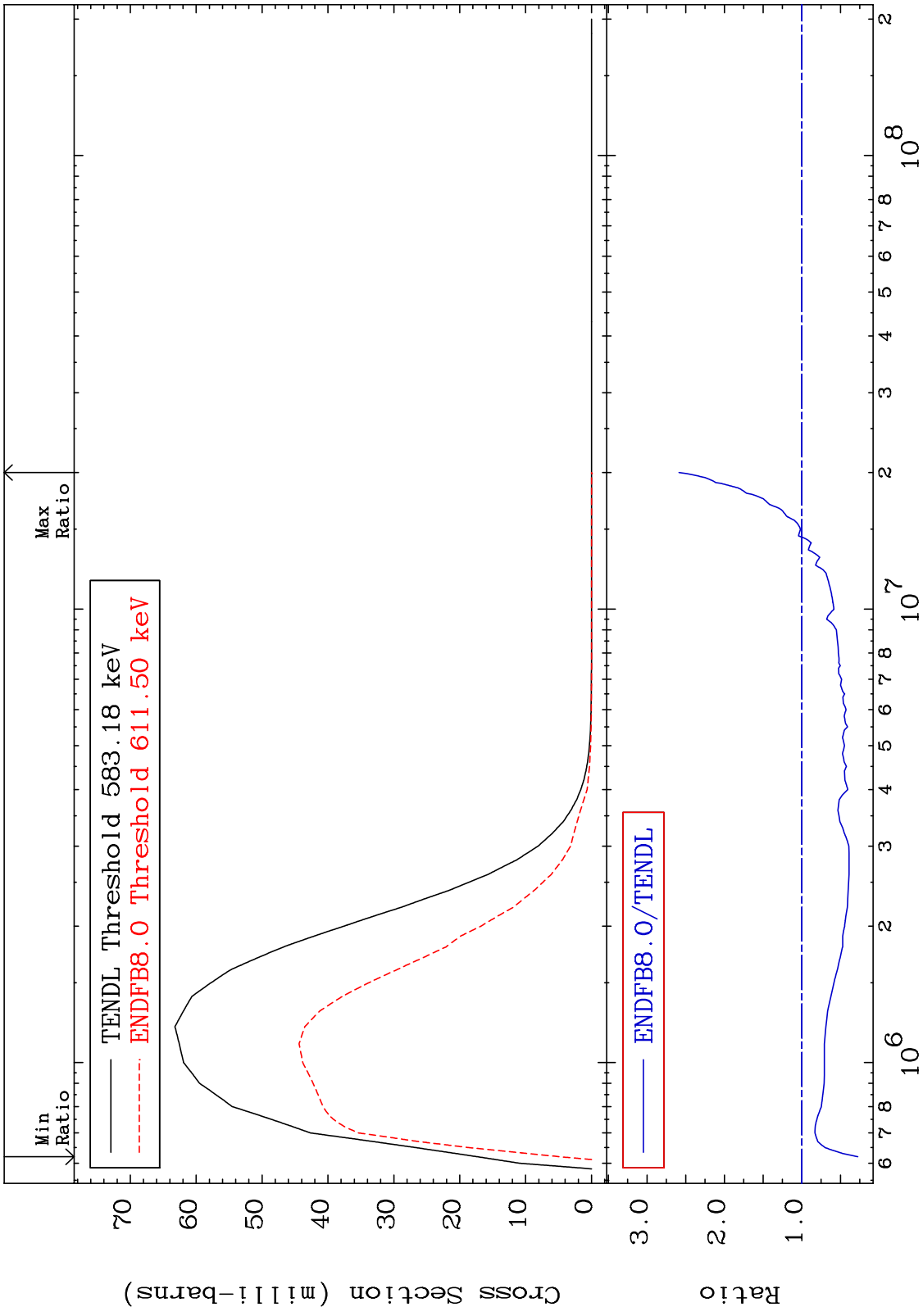
MAT 6440 MT= 68 (n,n') Level Cross Section 64-Gd-157
 -55.47 To 161.1 %



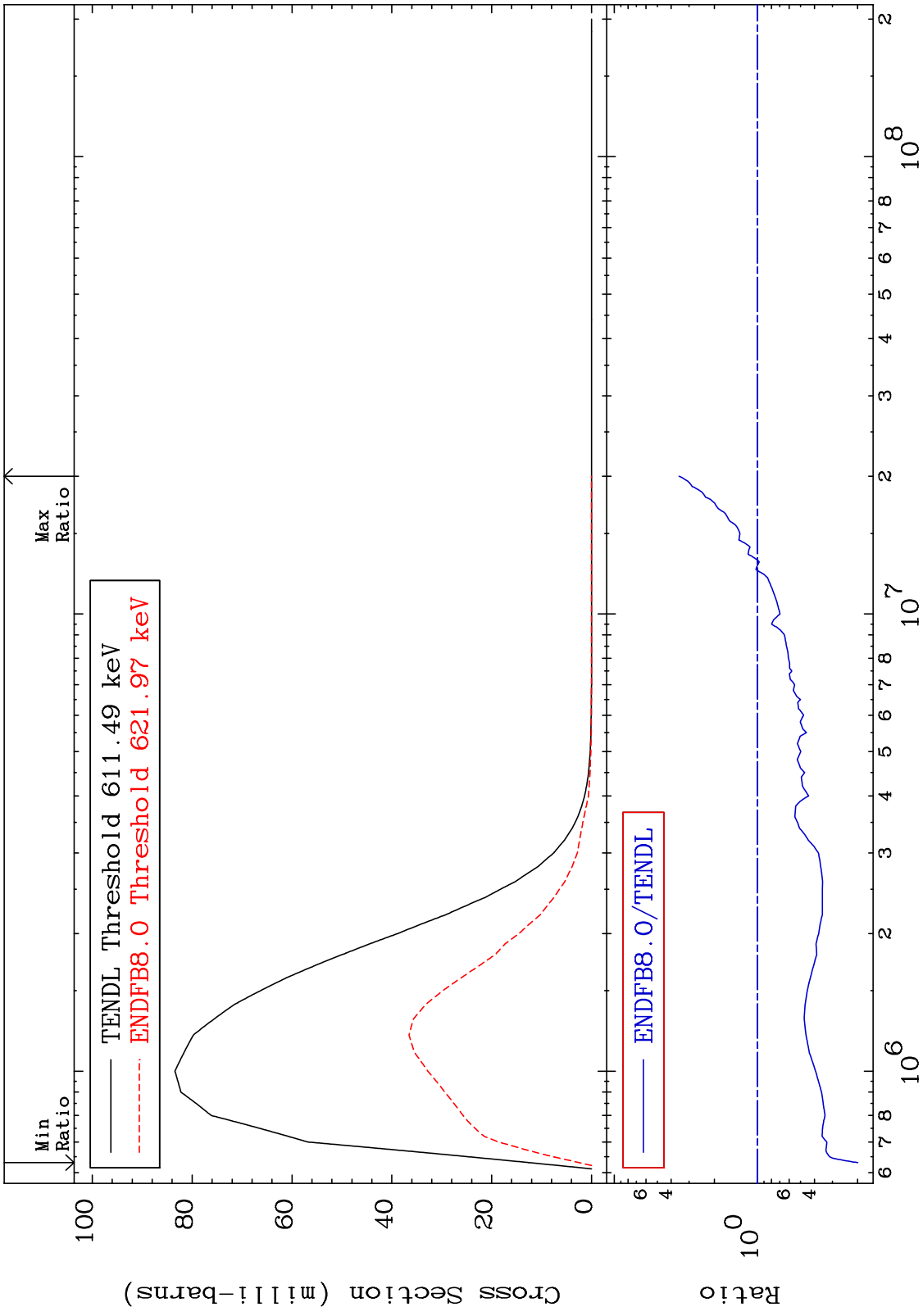
MAT 6440 MT= 69 (n,n') Level Cross Section 64-Gd-157
 -21.15 To 404.3 %



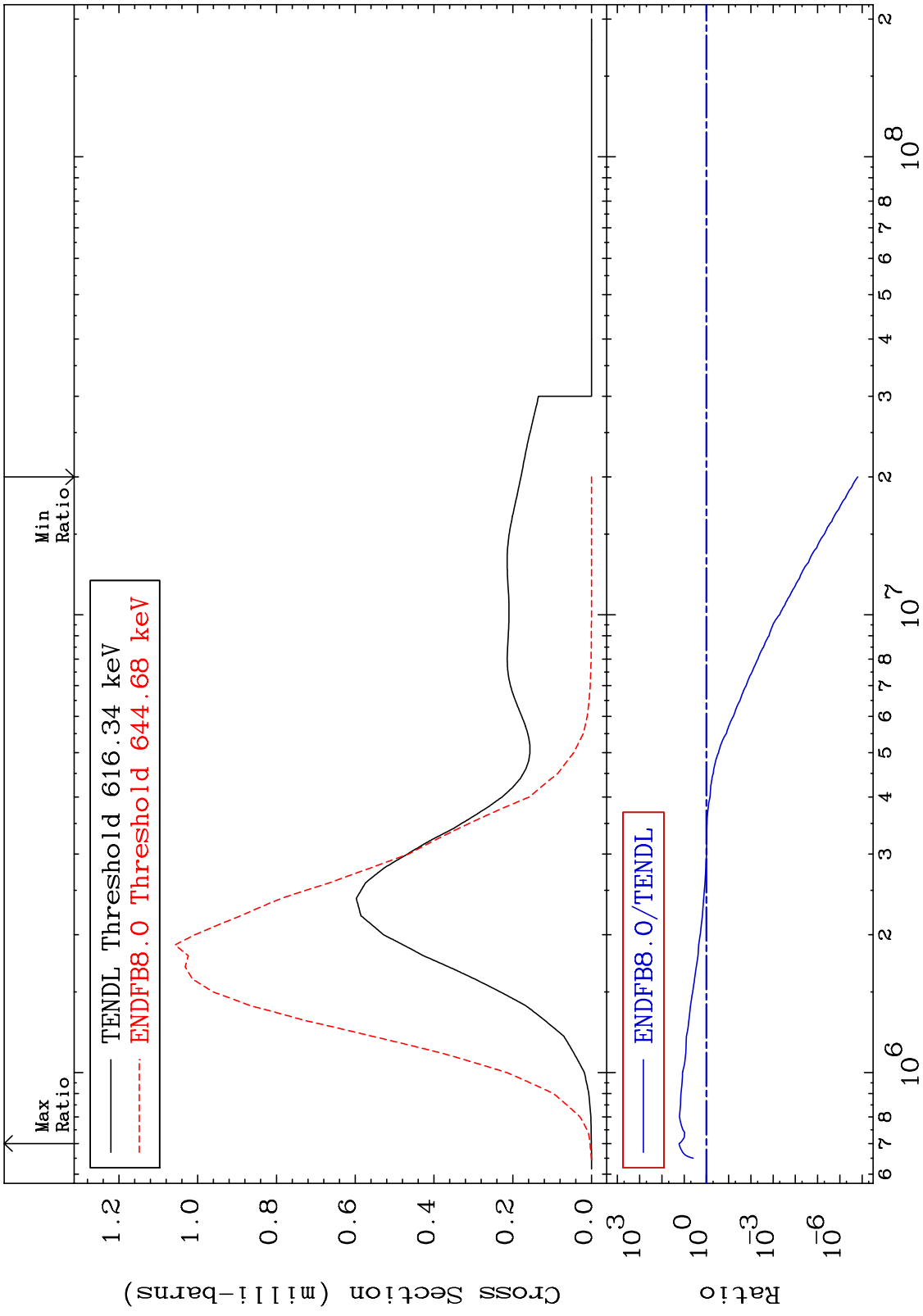
MAT 6440 MT= 70 (n,n') Level Cross Section 64-Gd-157
 -72.43 To 158.6 %



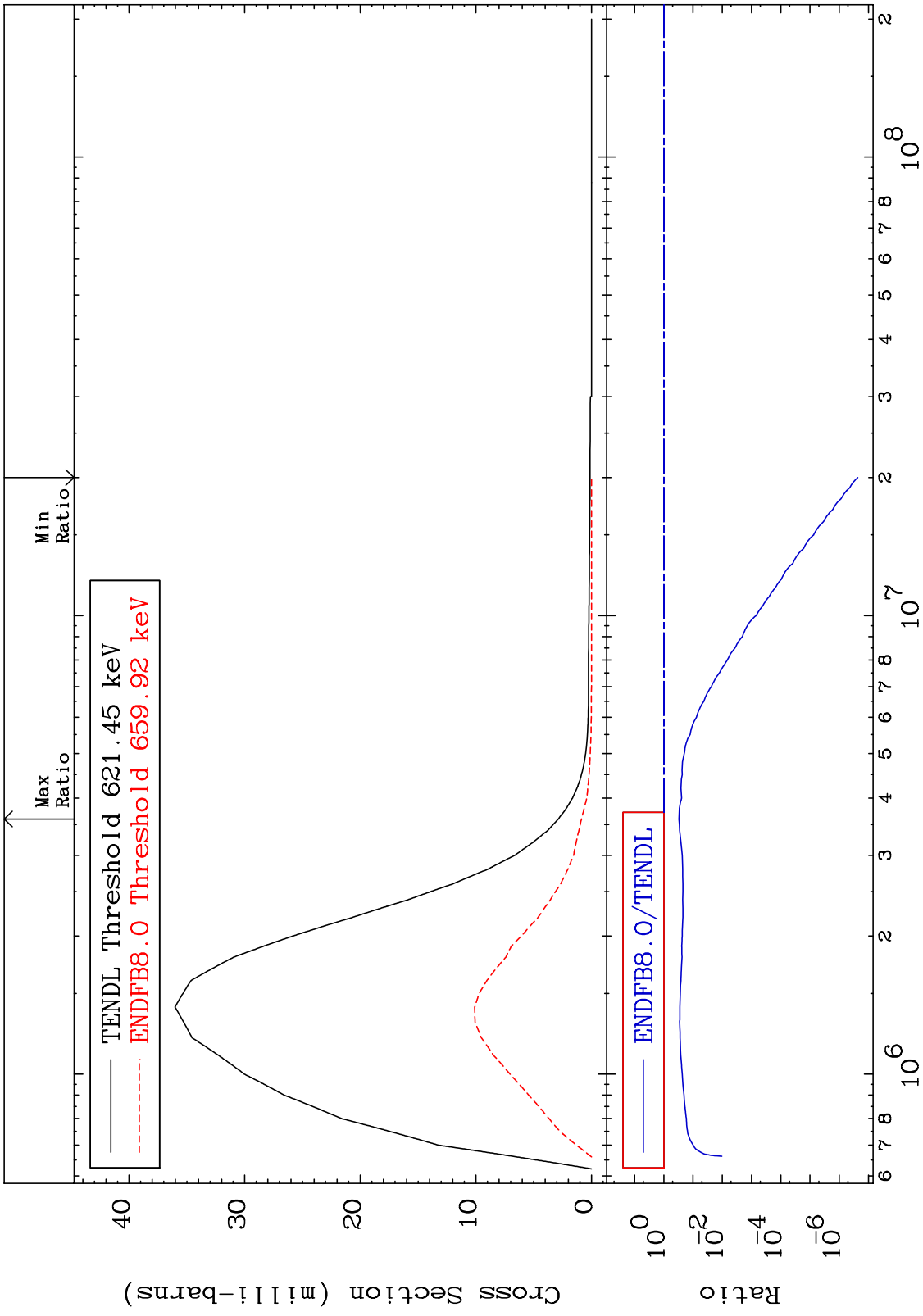
MAT 6440 MT= 71 (n,n') Level Cross Section 64-Gd-157 -80.08 To 252.6 %



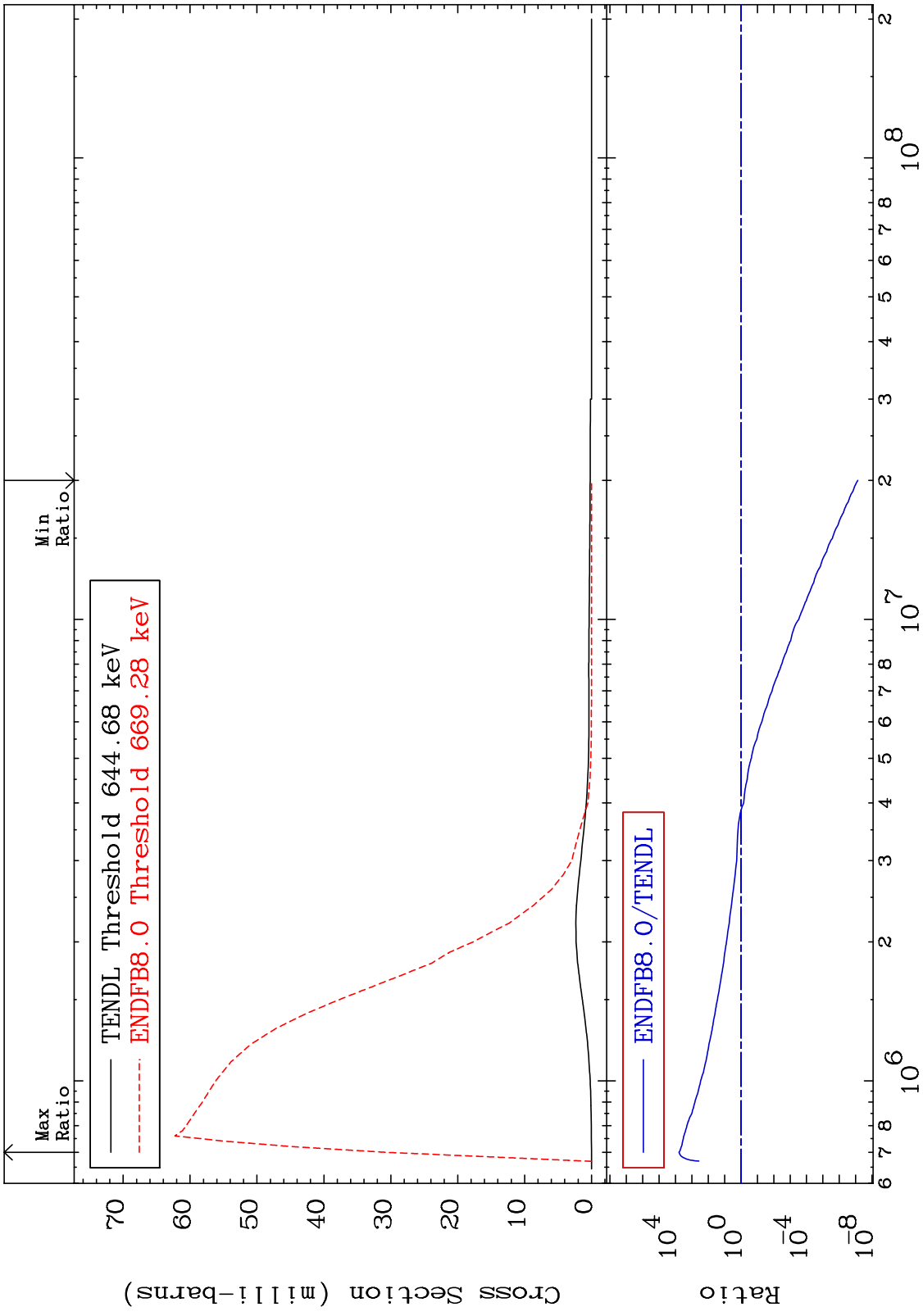
MAT 6440 MT= 72 (n,n') Level Cross Section 64-Gd-157
 -100.0 To 1598. %



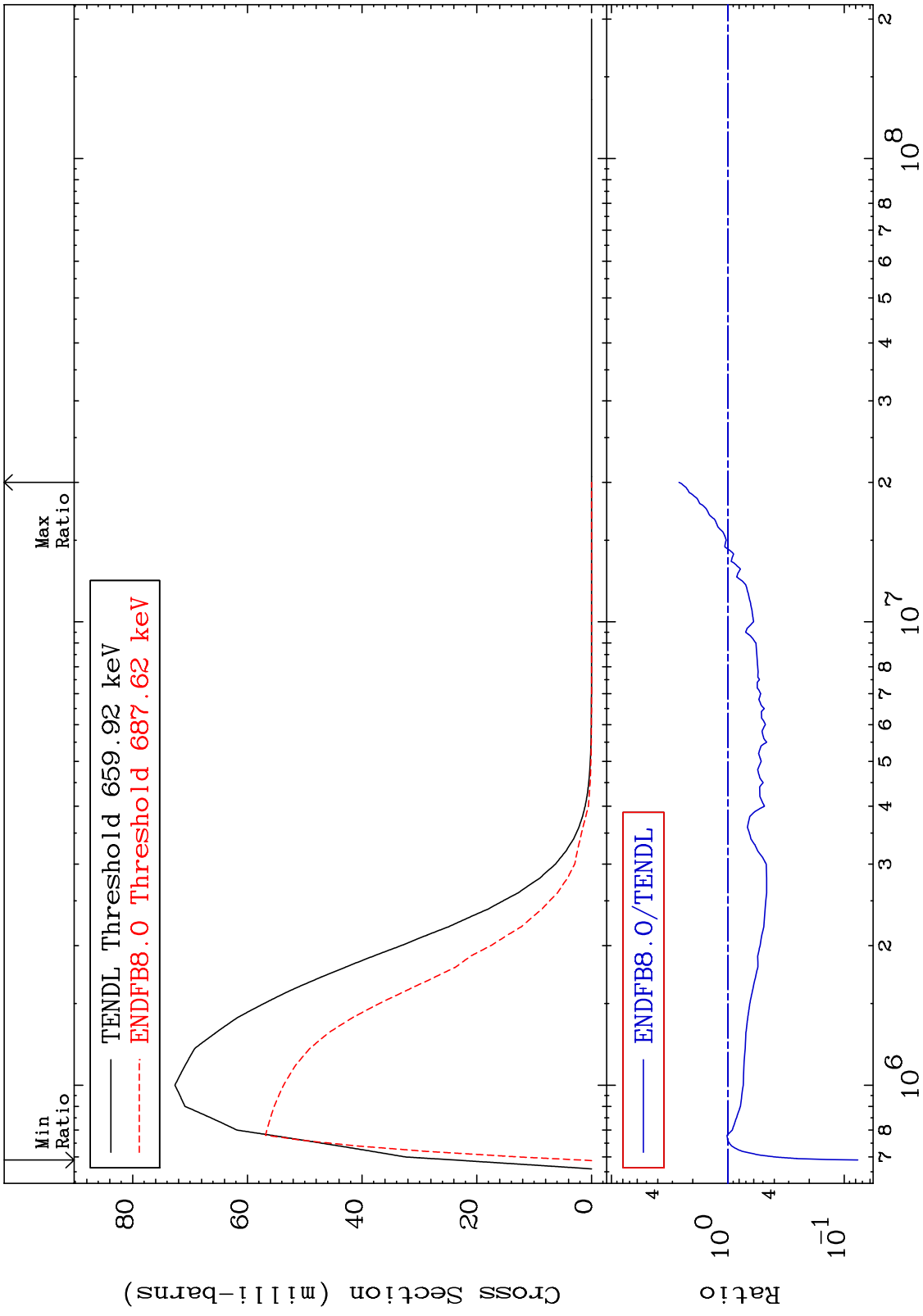
MAT 6440 MT= 73 (n,n') Level Cross Section 64-Gd-157
 -100.0 To -69.87%



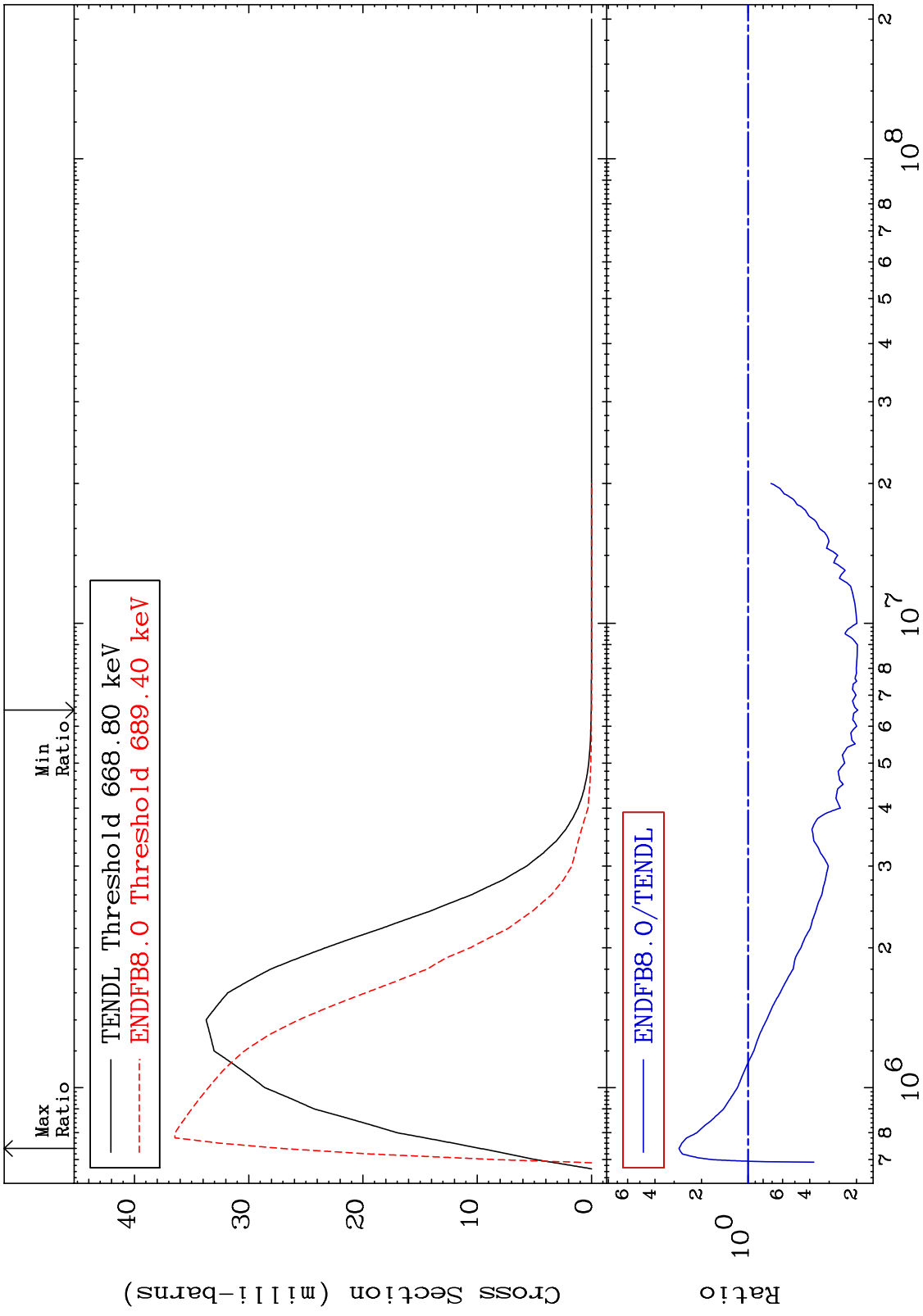
MAT 6440 MT= 74 (n,n') Level Cross Section 64-Gd-157
 -100.0 To 9999. %



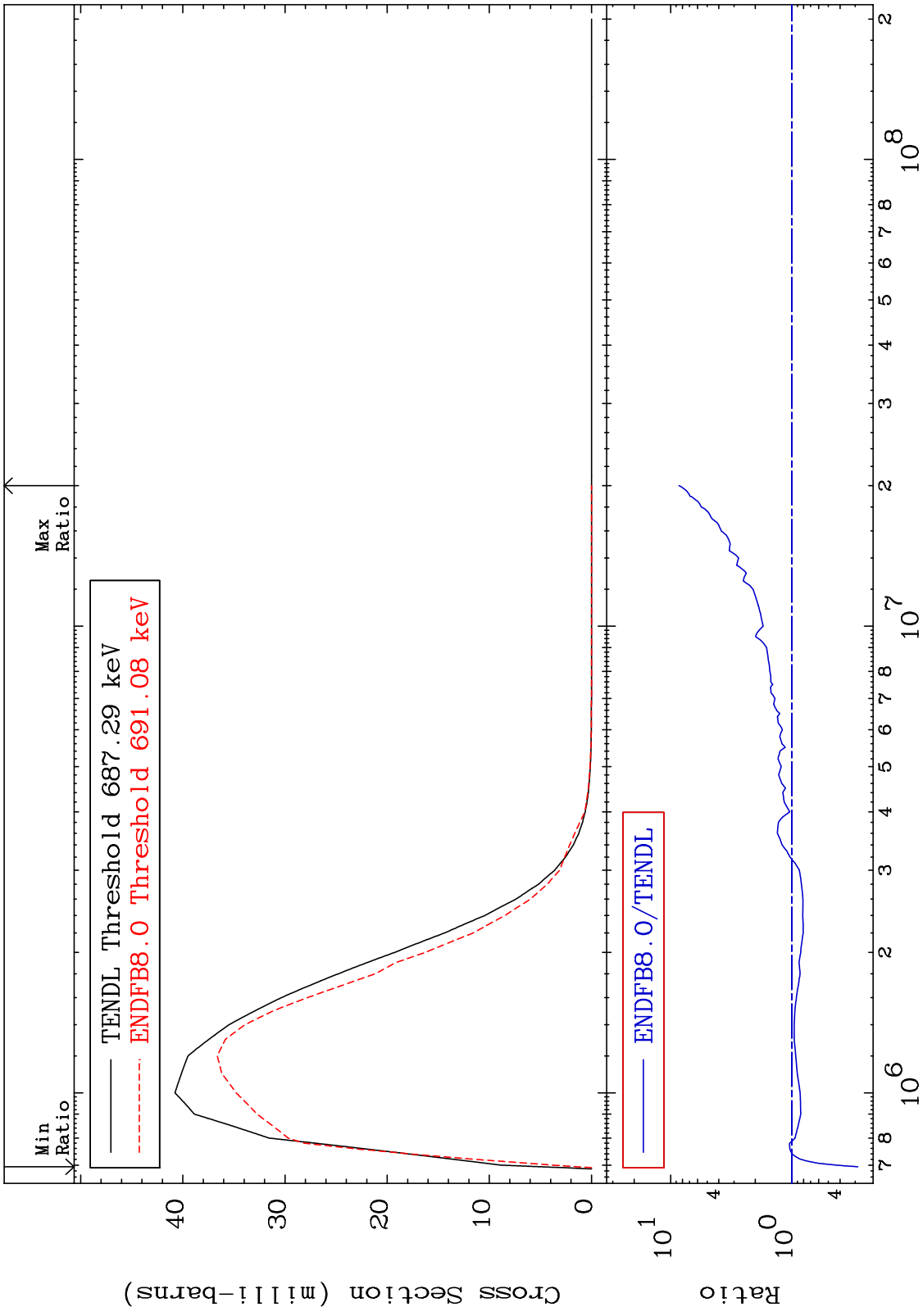
MAT 6440 MT= 75 (n,n') Level Cross Section 64-Gd-157
 -92.36 To 162.7 %



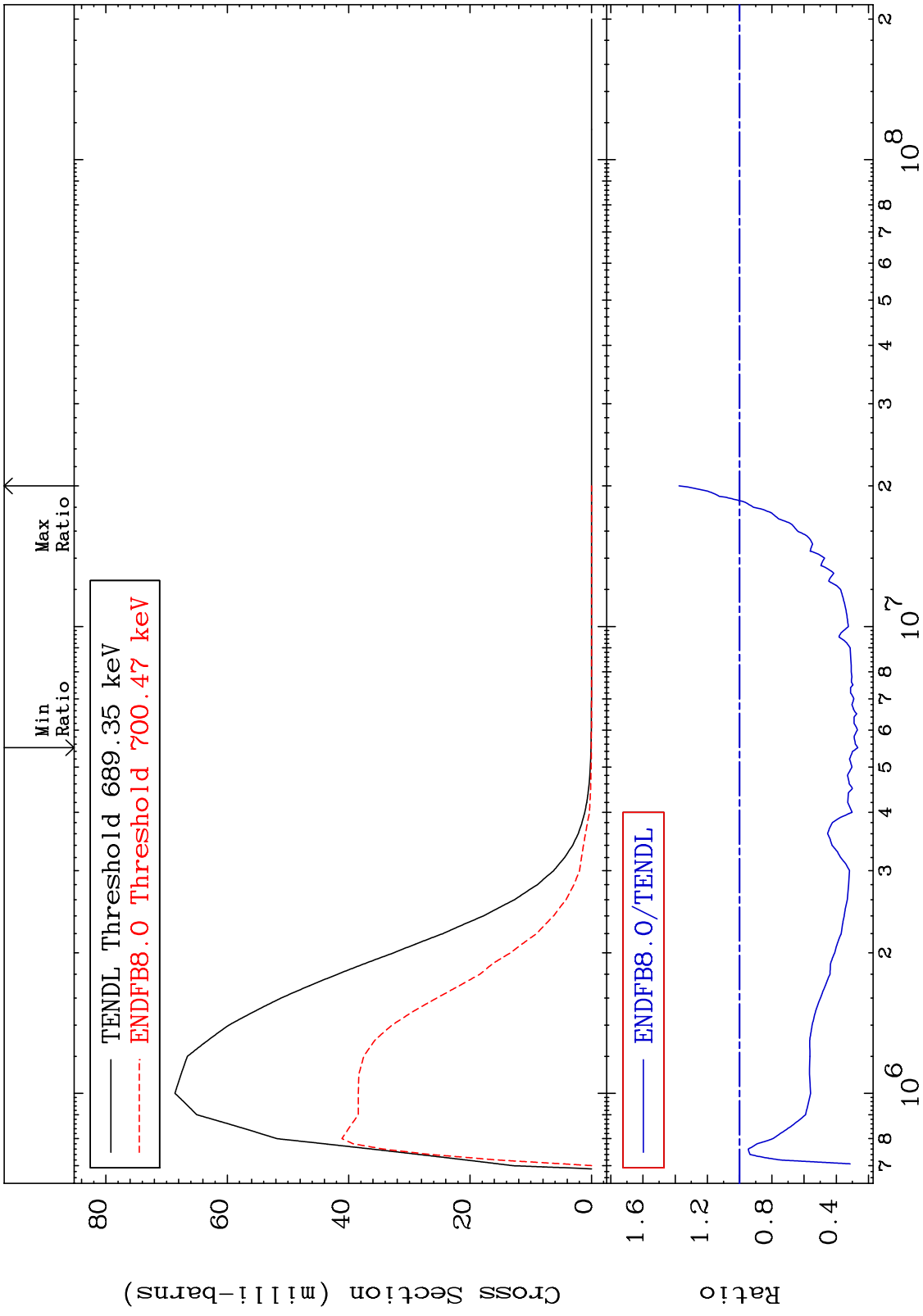
MAT 6440 MT= 76 (n,n') Level Cross Section 64-Gd-157
 -80.42 To 179.4 %



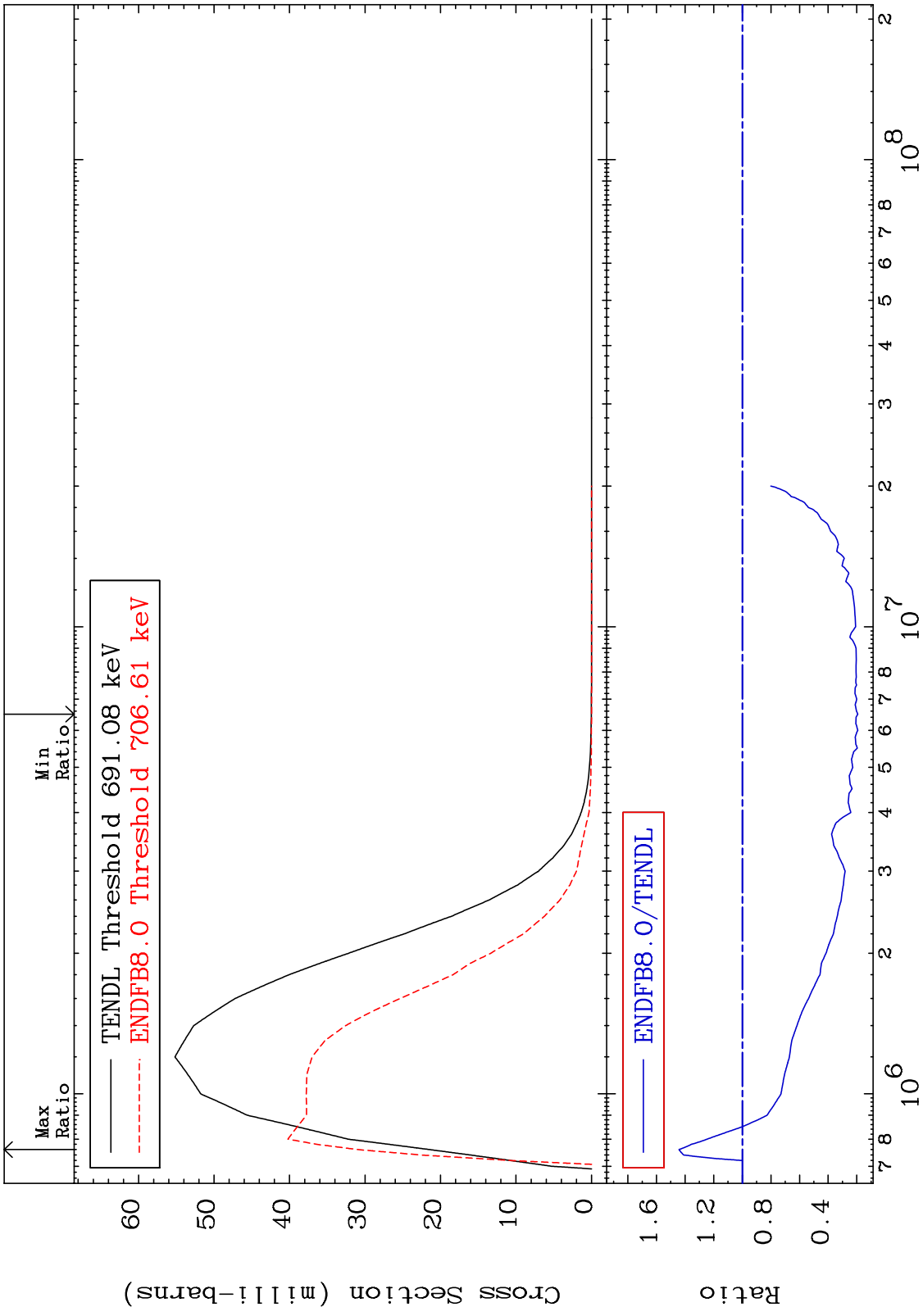
MAT 6440 MT= 77 (n,n') Level Cross Section 64-Gd-157
 -71.49 To 752.3 %



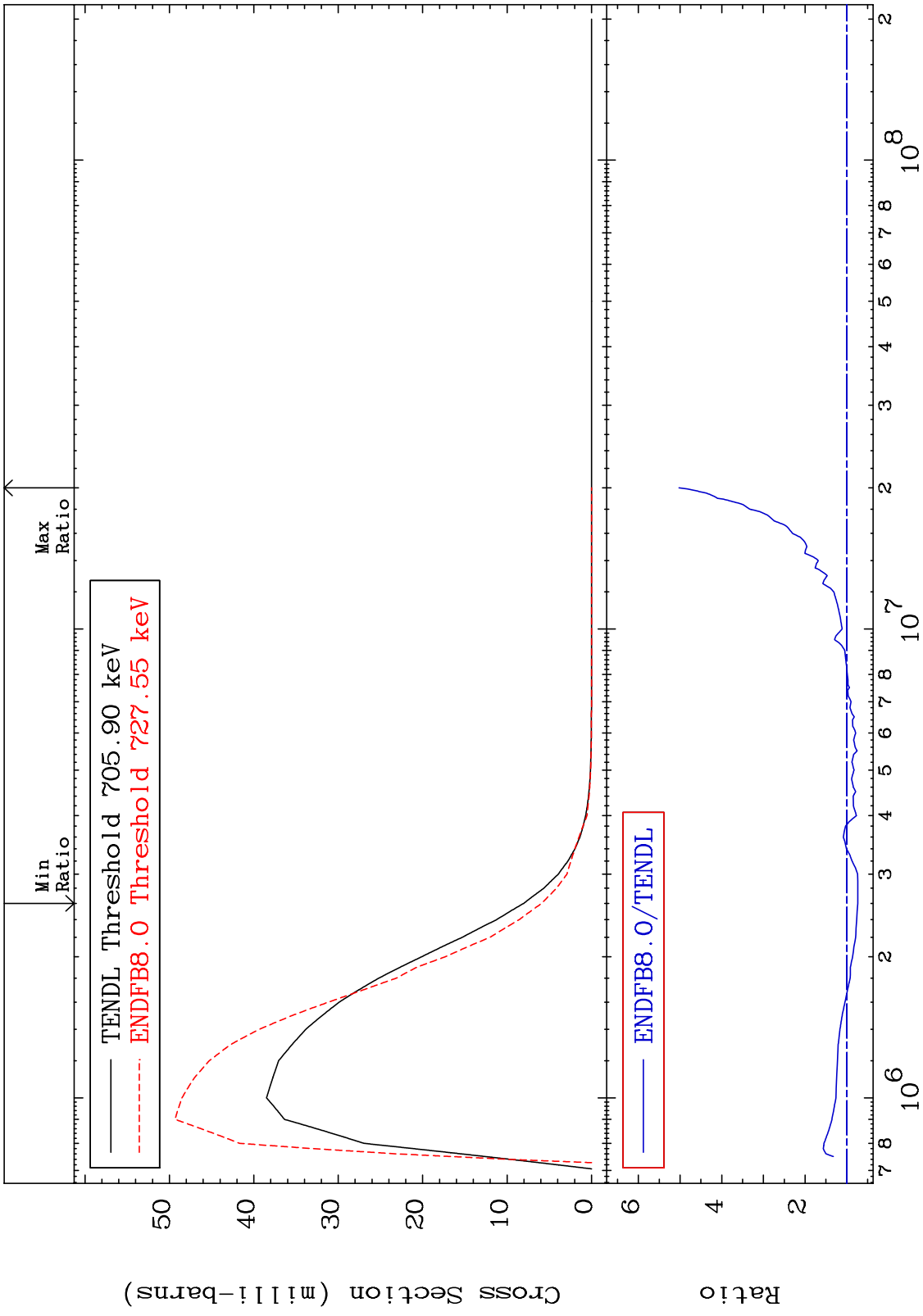
MAT 6440 MT= 78 (n,n') Level Cross Section 64-Gd-157
 -73.38 To 37.61 %



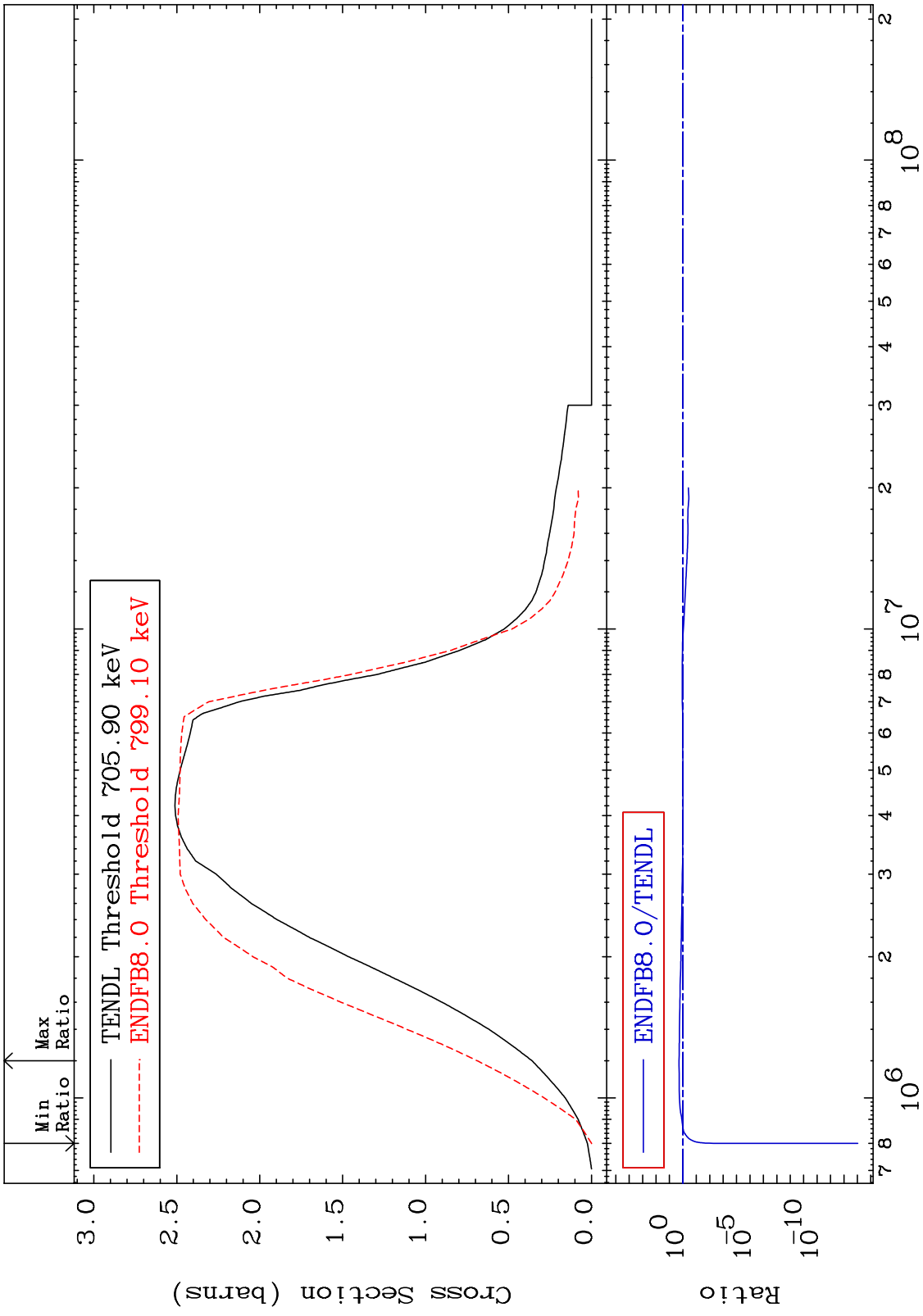
MAT 6440 MT= 79 (n,n') Level Cross Section 64-Gd-157
 -80.74 To 44.21 %



MAT 6440 MT= 80 (n,n') Level Cross Section 64-Gd-157
 -26.54 To 402.4 %

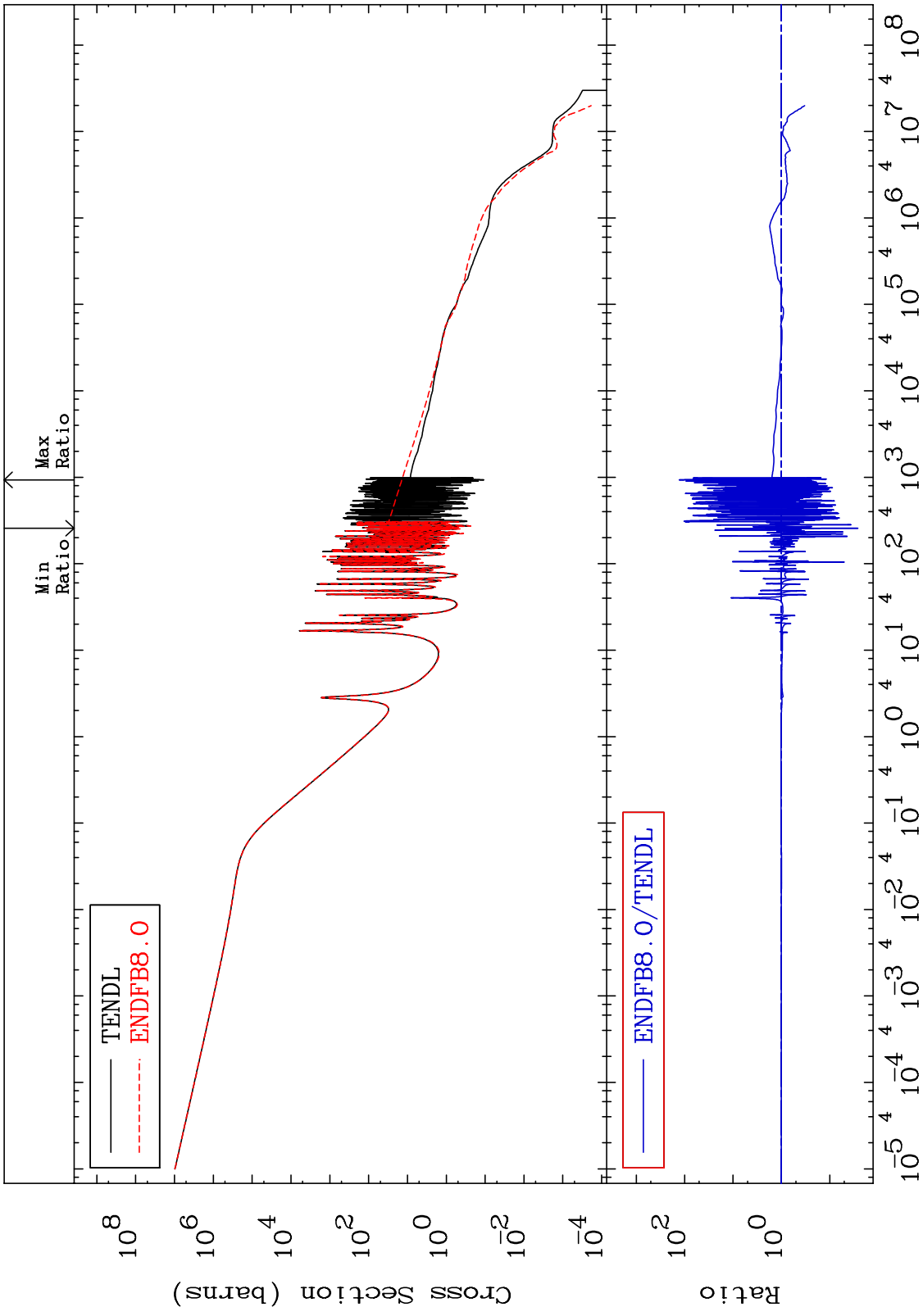


MAT 6440 (n,n') Continuum Cross Section 64-Gd-157 -100.0 To 92.09 %

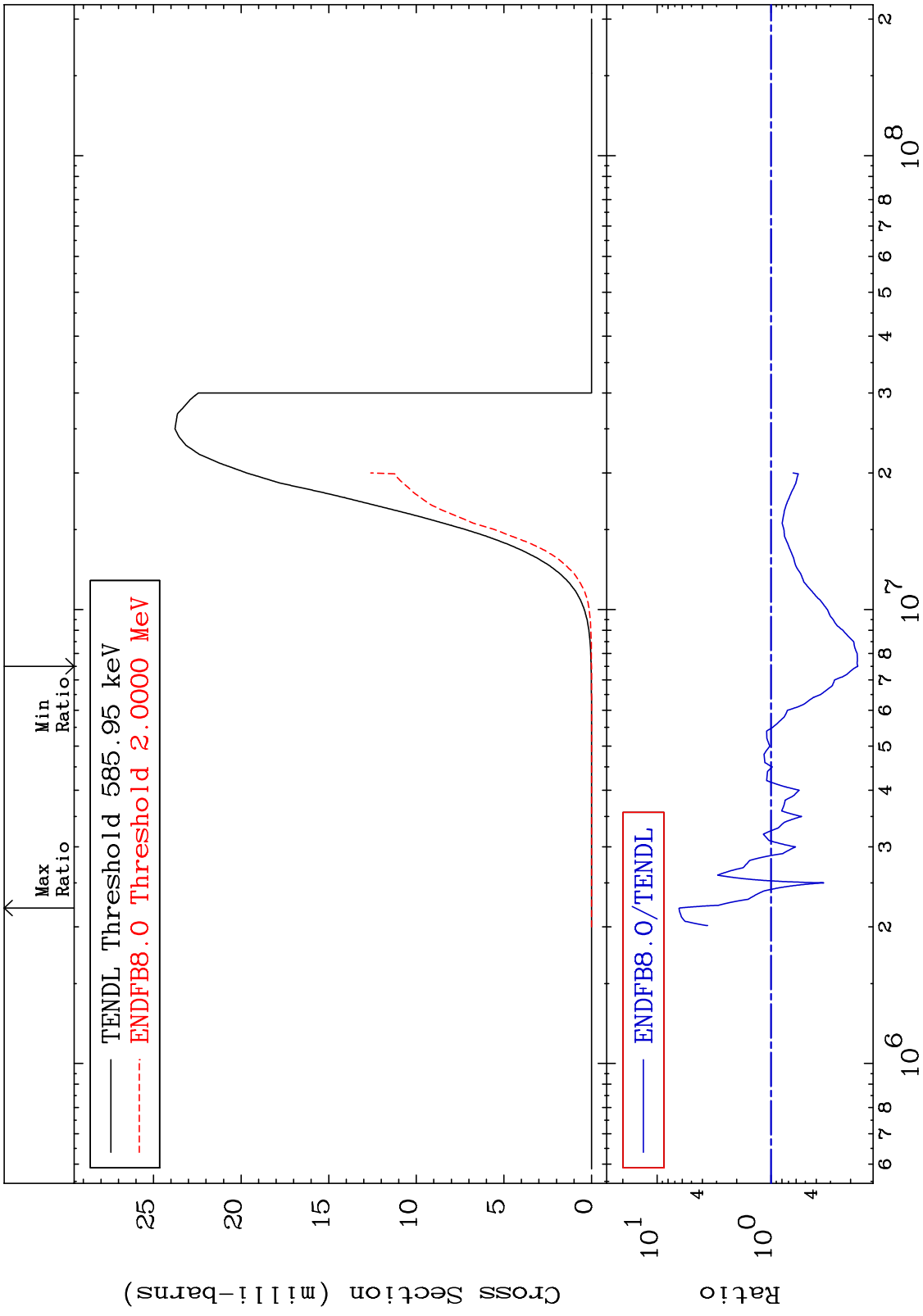


40 64-Gd-157 Incident Energy (eV)

MAT 6440 64-Gd-157
-97.38 To 9999. %
 (n, γ)
 Cross Section

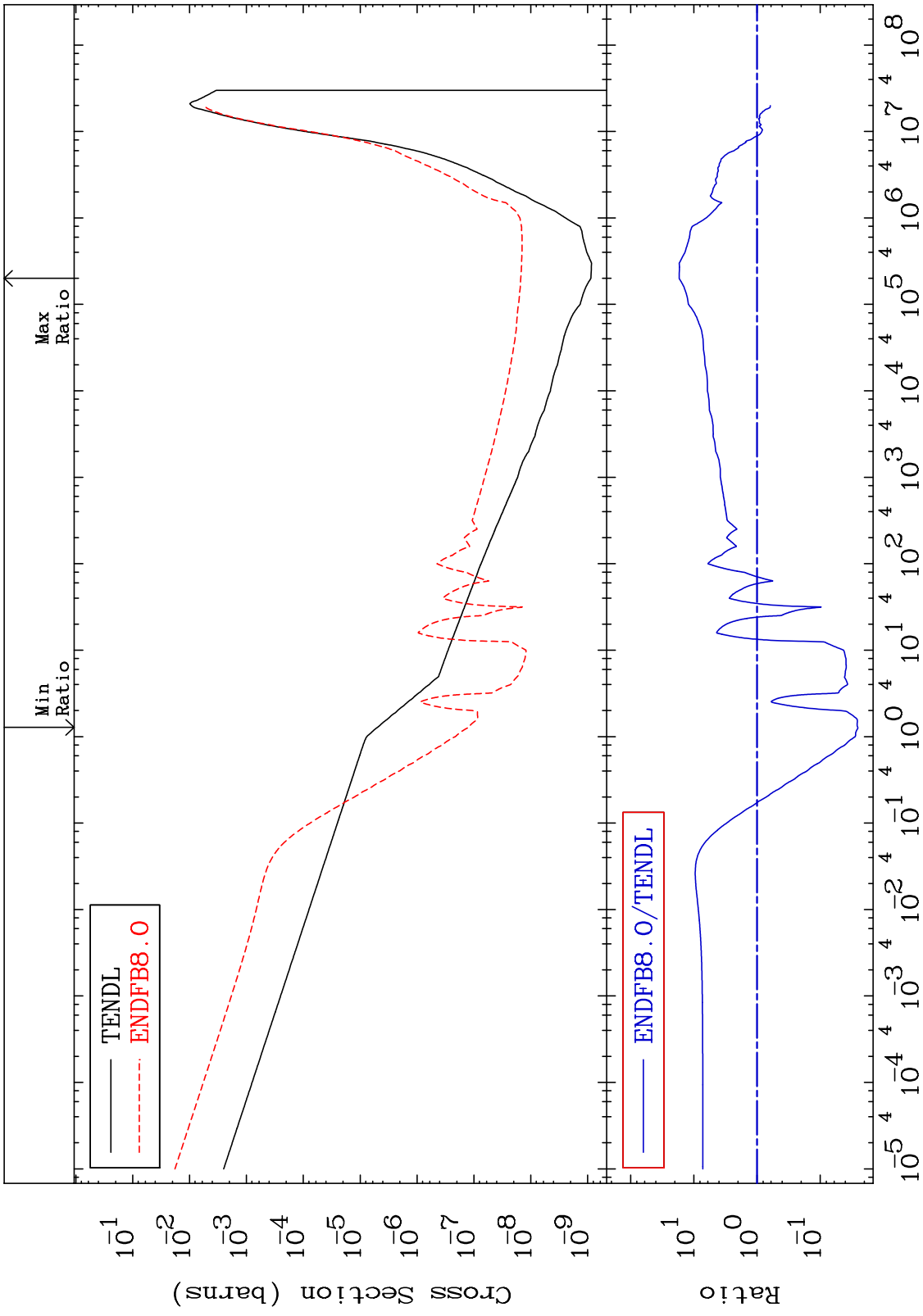


MAT 6440 (n,p) Cross Section 64-Gd-157 -82.74 To 541.5 %

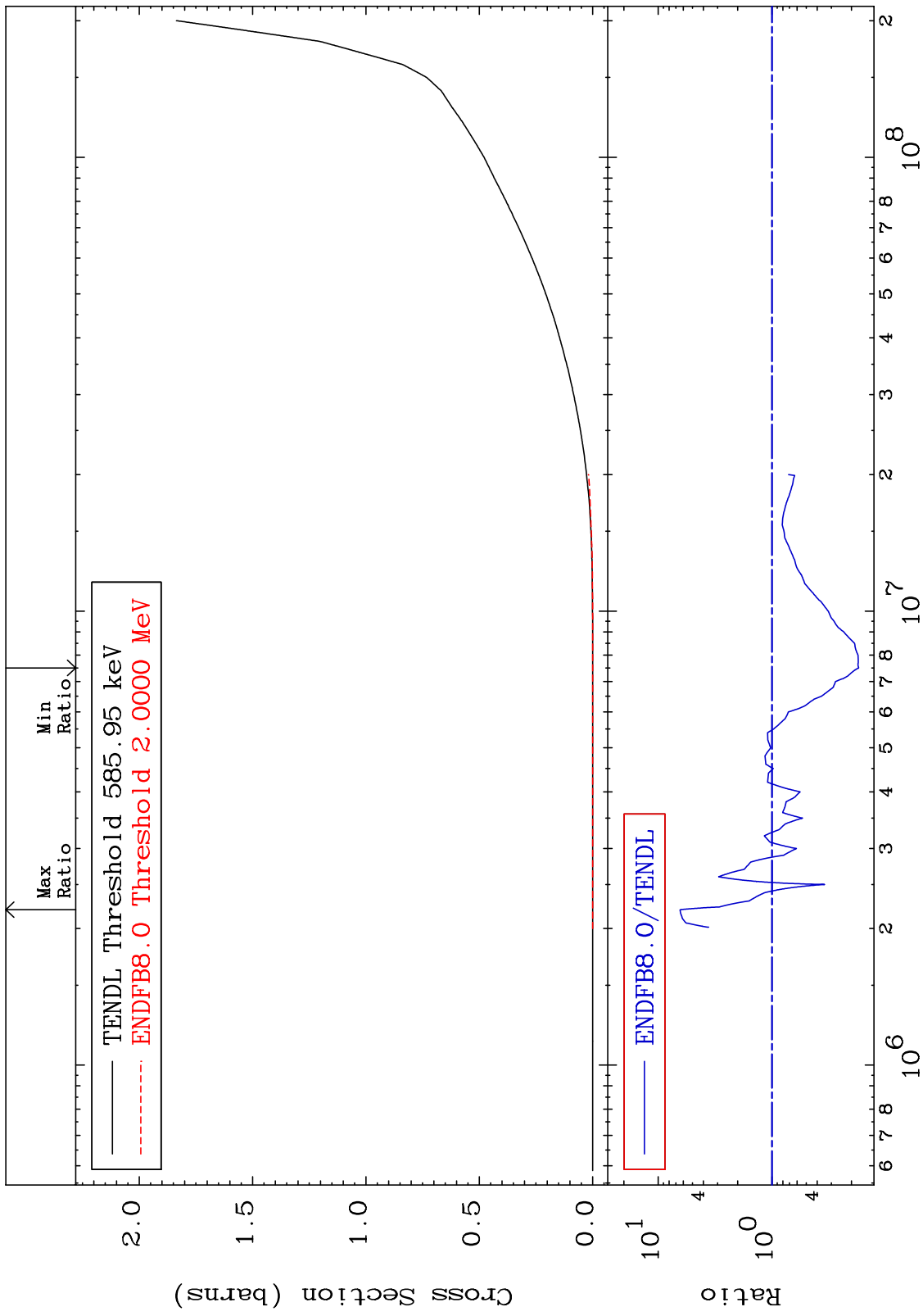


42 Incident Energy (eV) 64-Gd-157

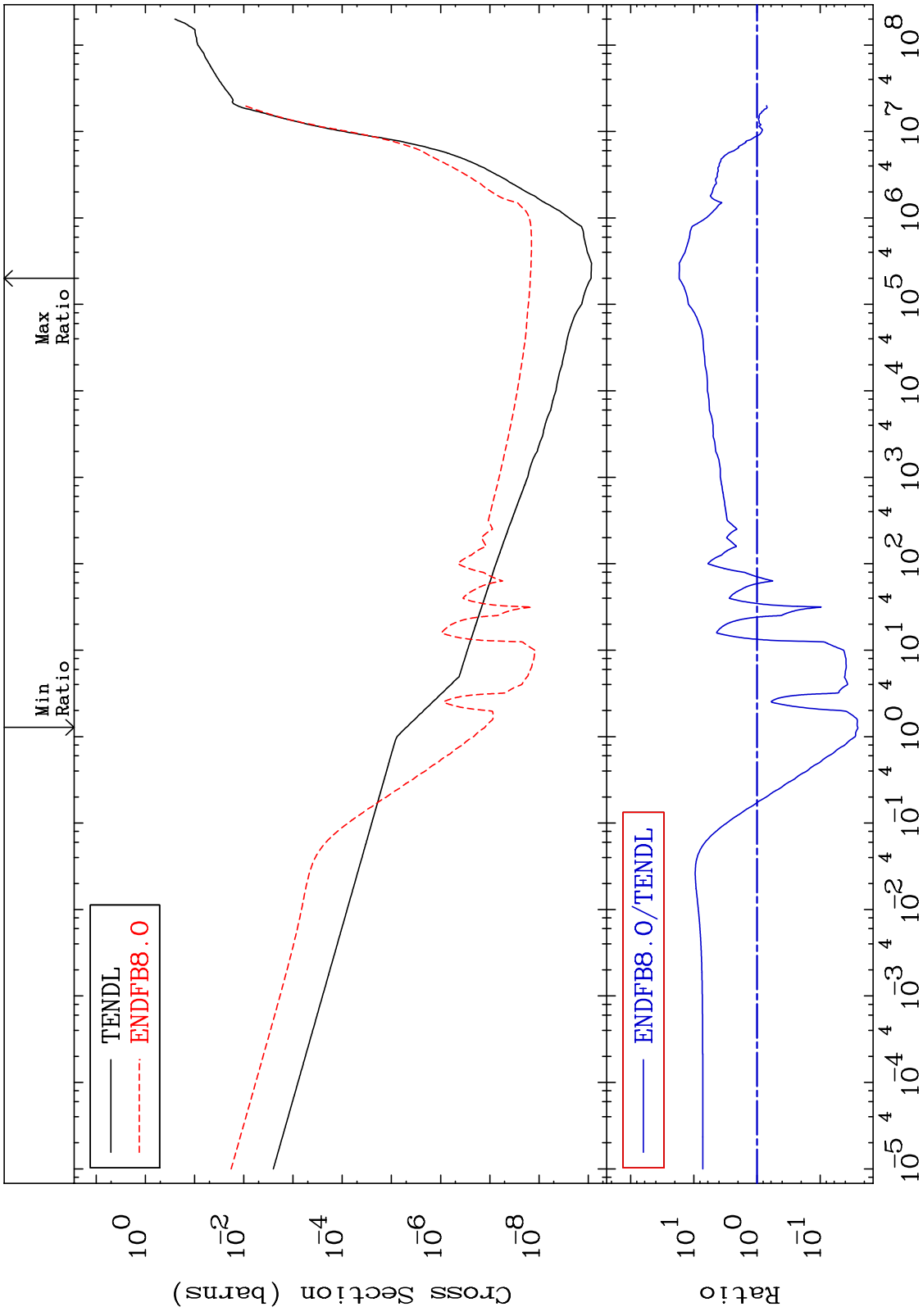
MAT 6440 64-Gd-157
-97.46 To 1610. %
 Cross Section (n, α)



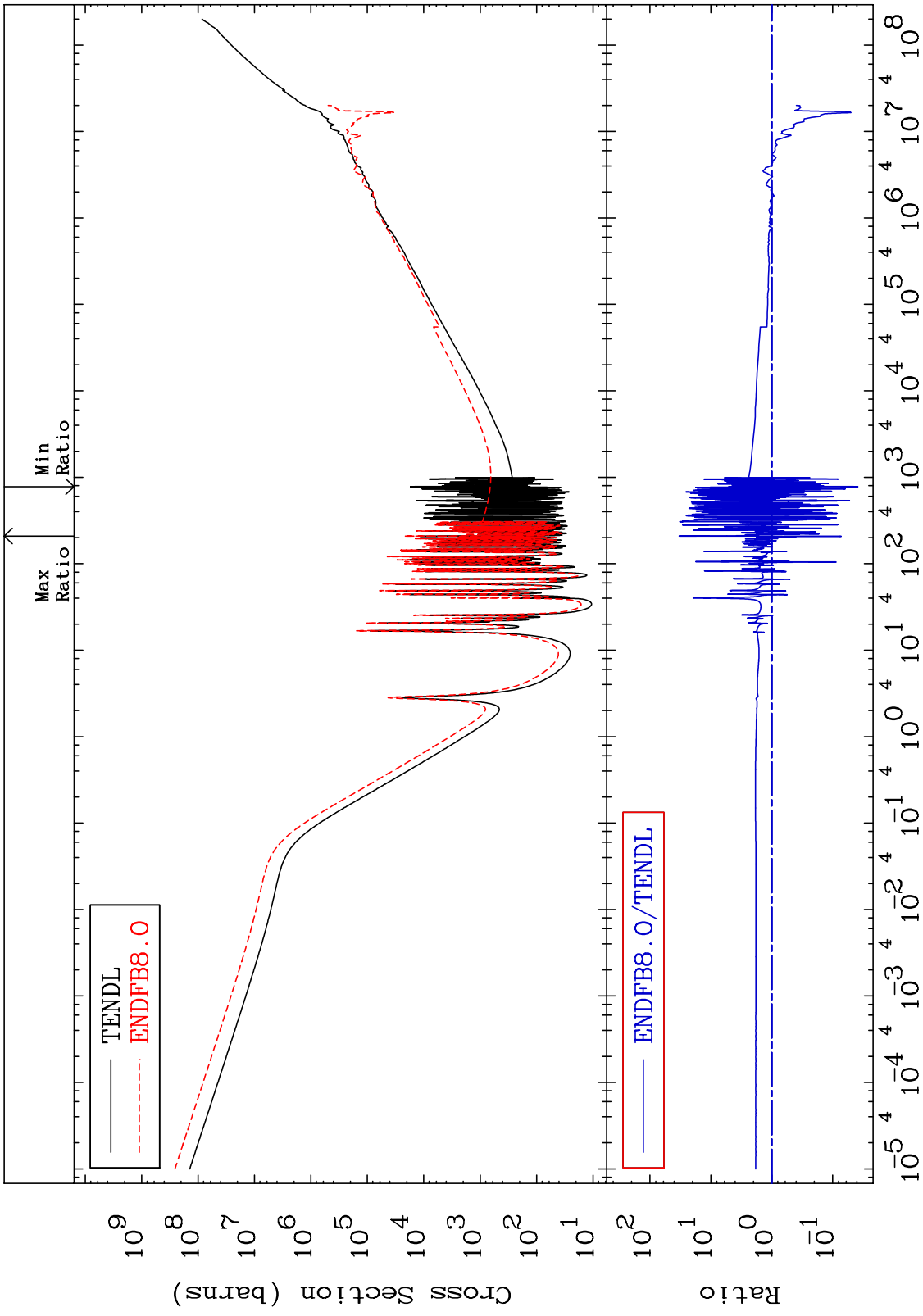
MAT 6440 Hydrogen Production Cross Section 64-Gd-157 -82.74 To 541.5 %

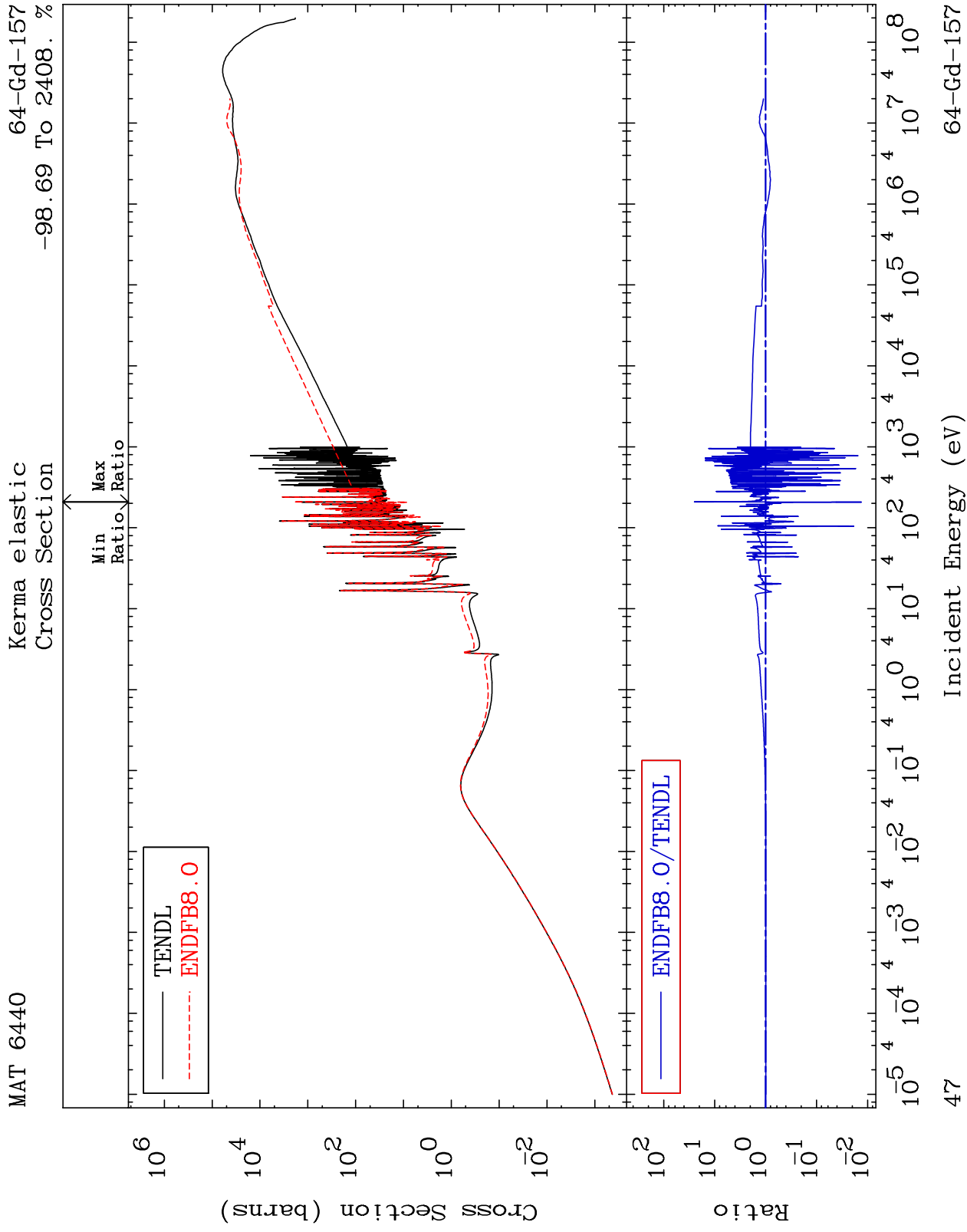


MAT 6440 64-Gd-157
 He-4 Production -97.46 To 1610. %
 Cross Section

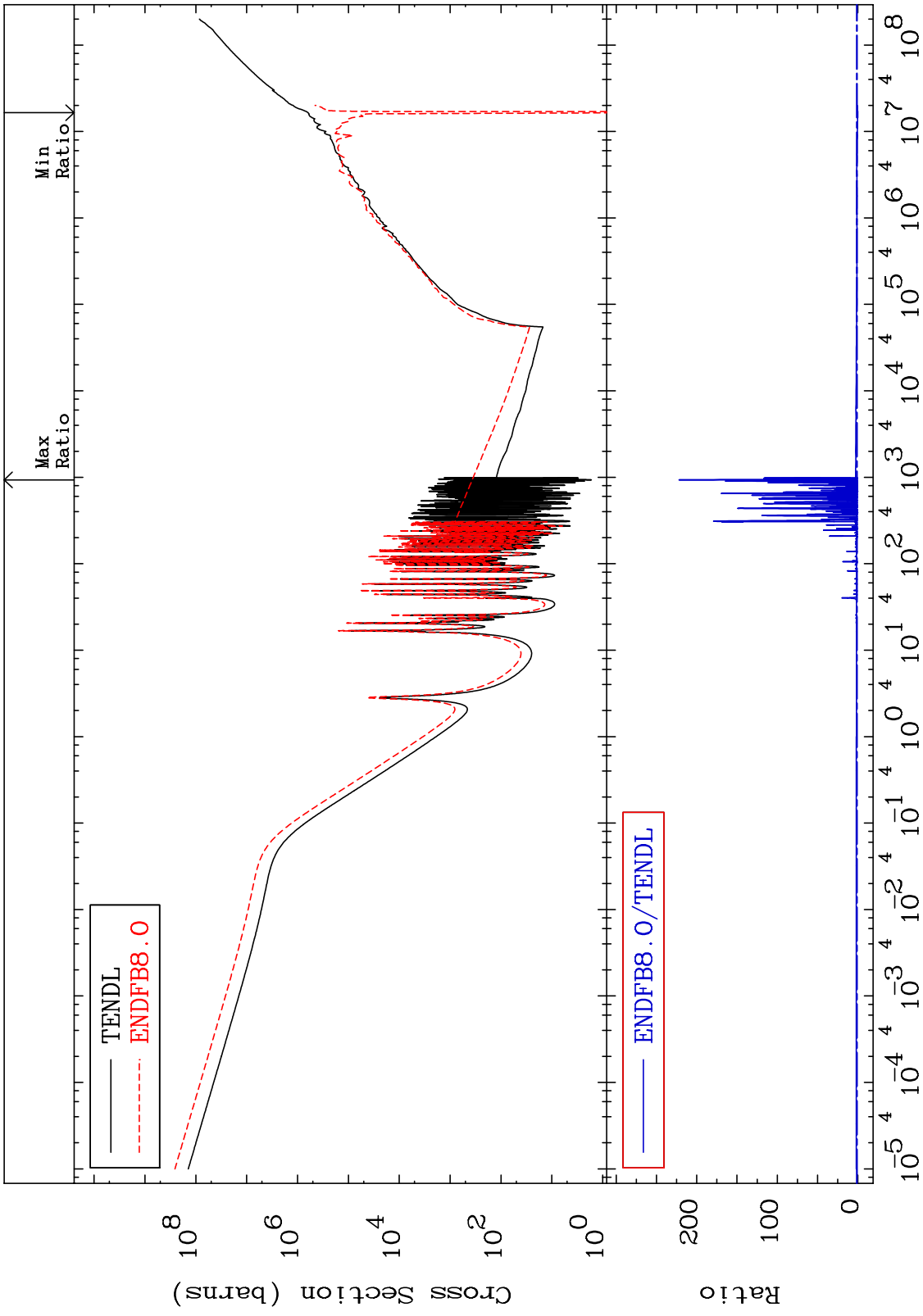


MAT 6440 Kerma total (eV-barns) 64-Gd-157
 Cross Section -96.13 To 3229. %

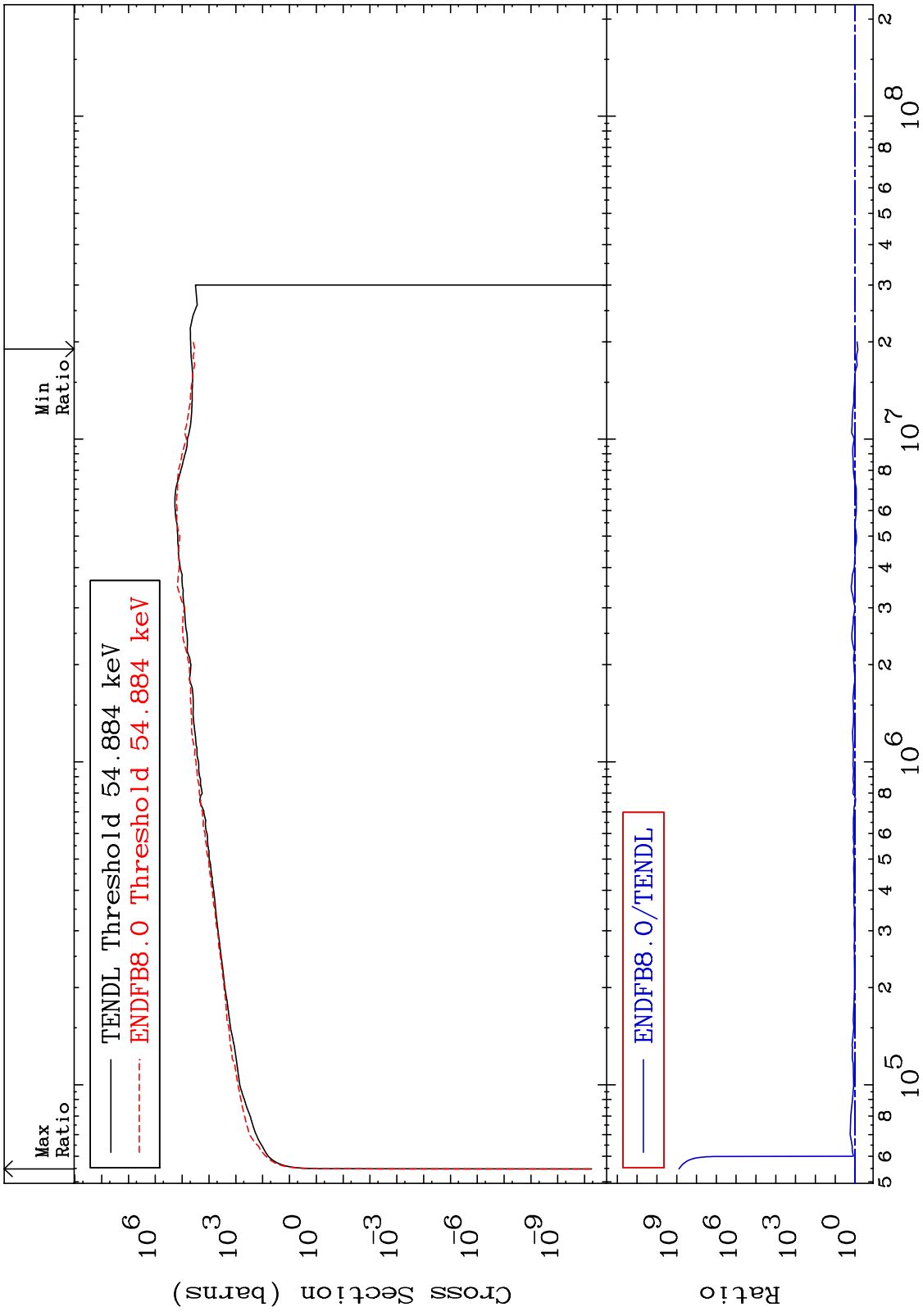




MAT 6440 Kerma non-elastic (all but mt2) 64-Gd-157
 Cross Section -101.5 To 9999. %



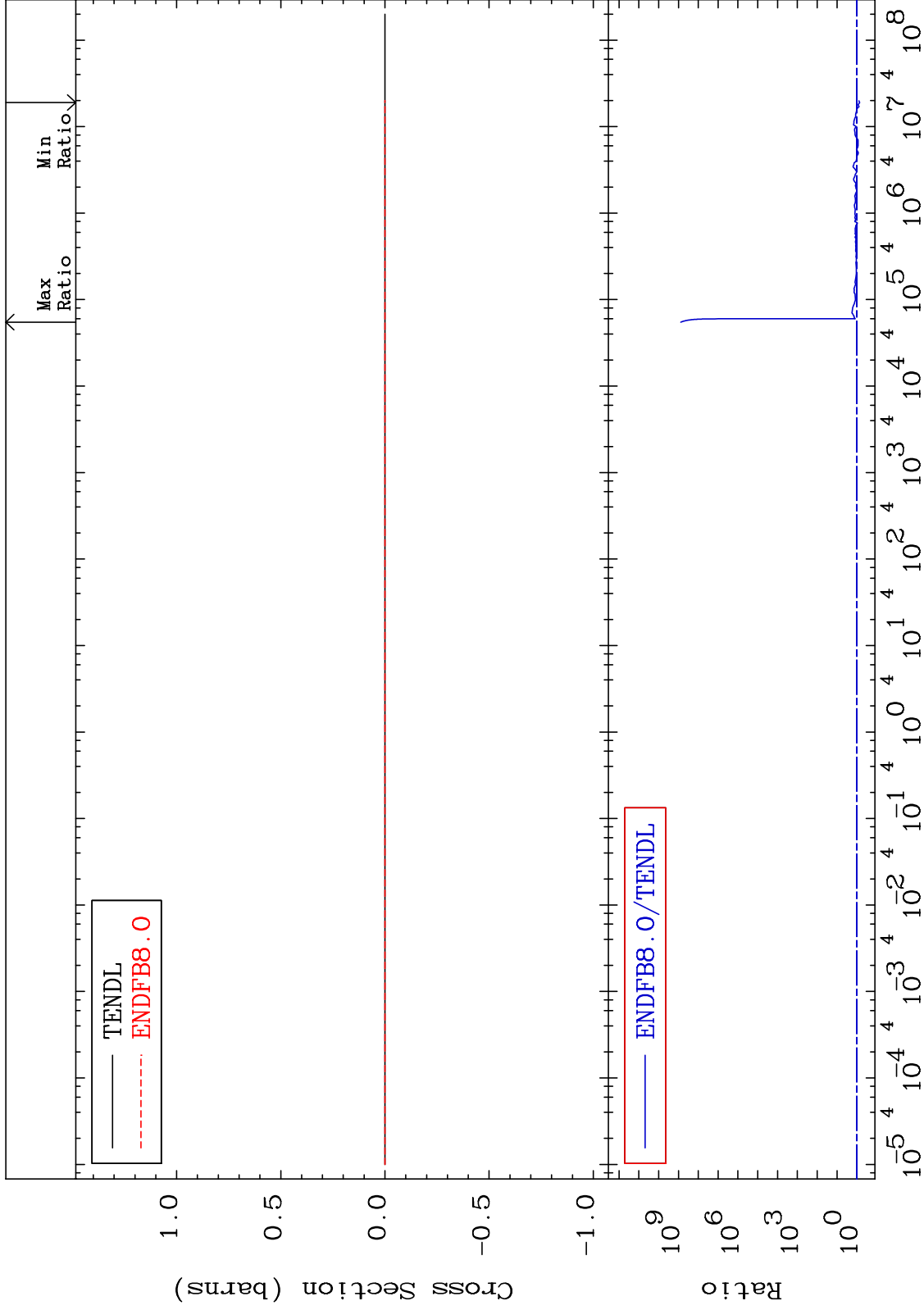
MAT 6440 Kerma inelastic (mt51-91) 64-Gd-157
Cross Section -28.18 To 9999. %



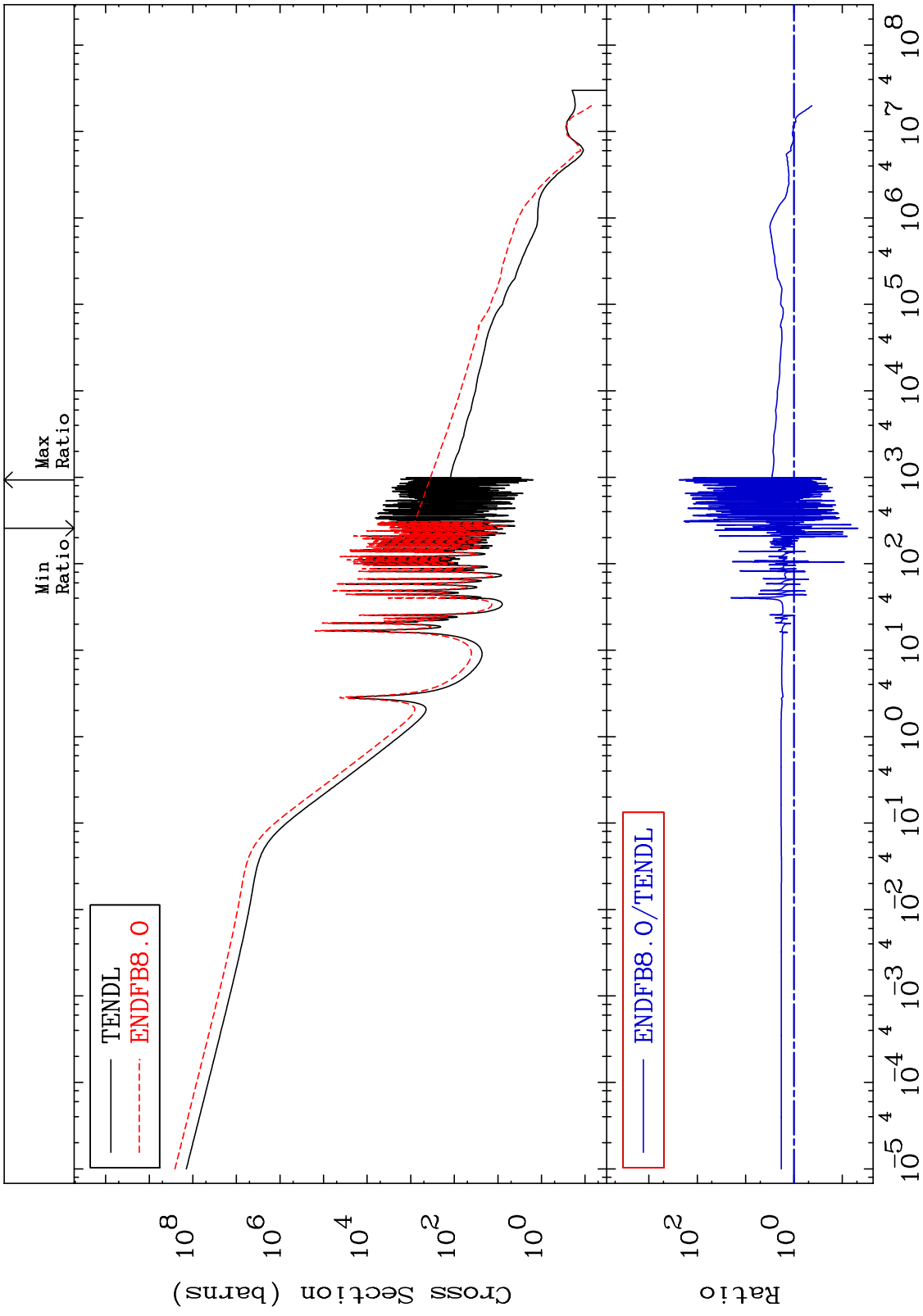
MAT 6440

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

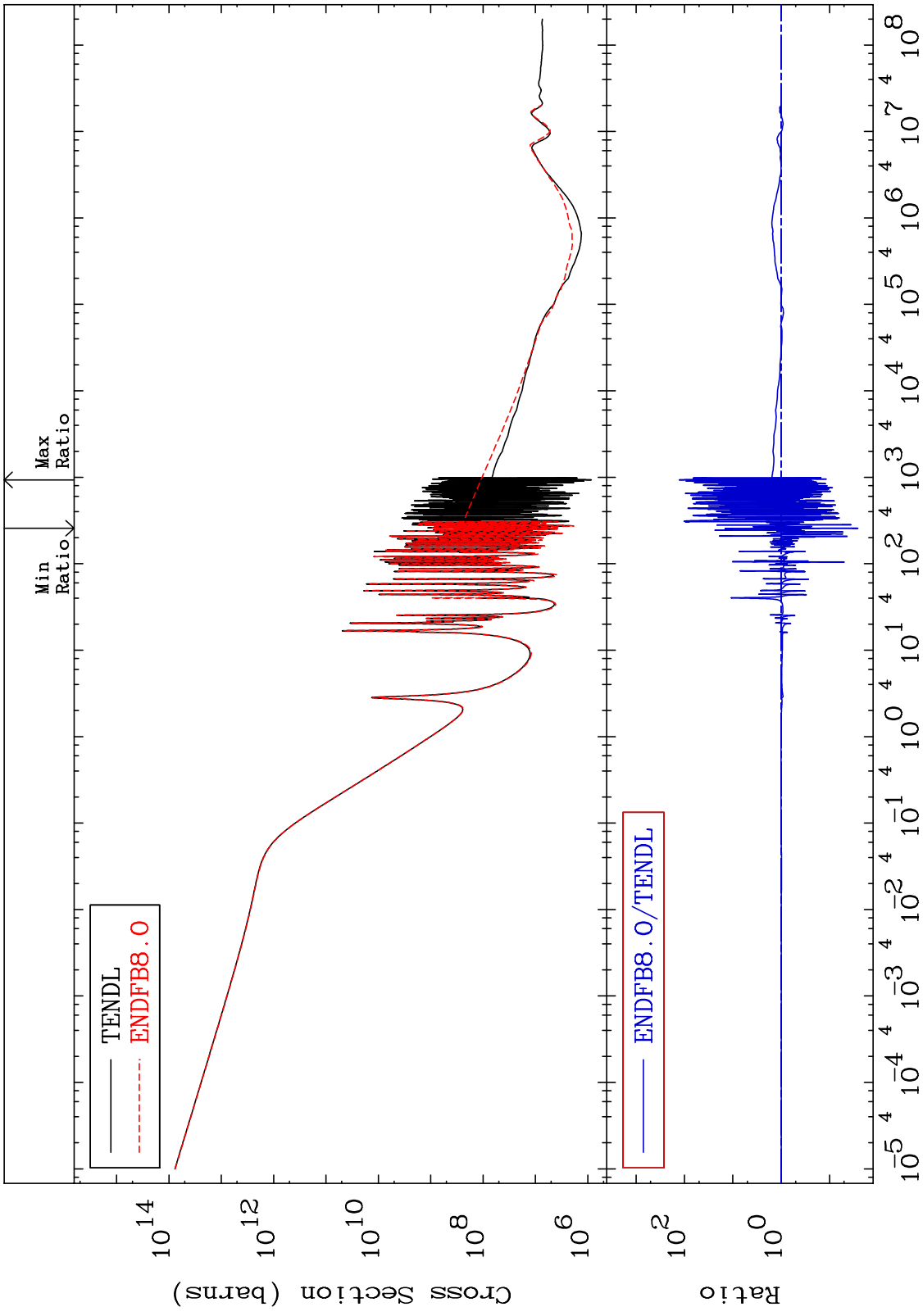
64-Gd-157
-28.18 To 9999. %



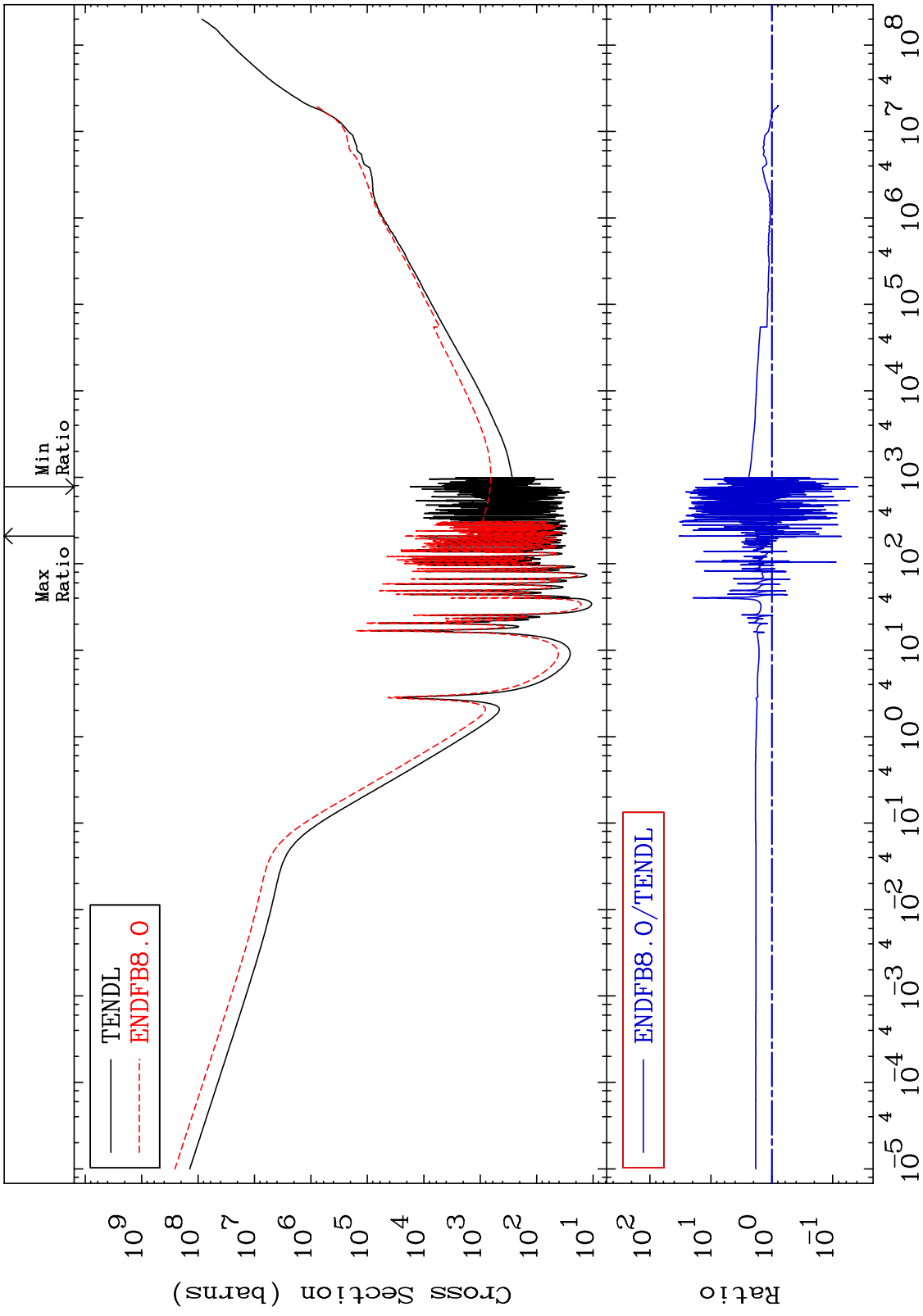
MAT 6440 Kerma capture (mt102) 64-Gd-157
 Cross Section -95.21 To 9999. %



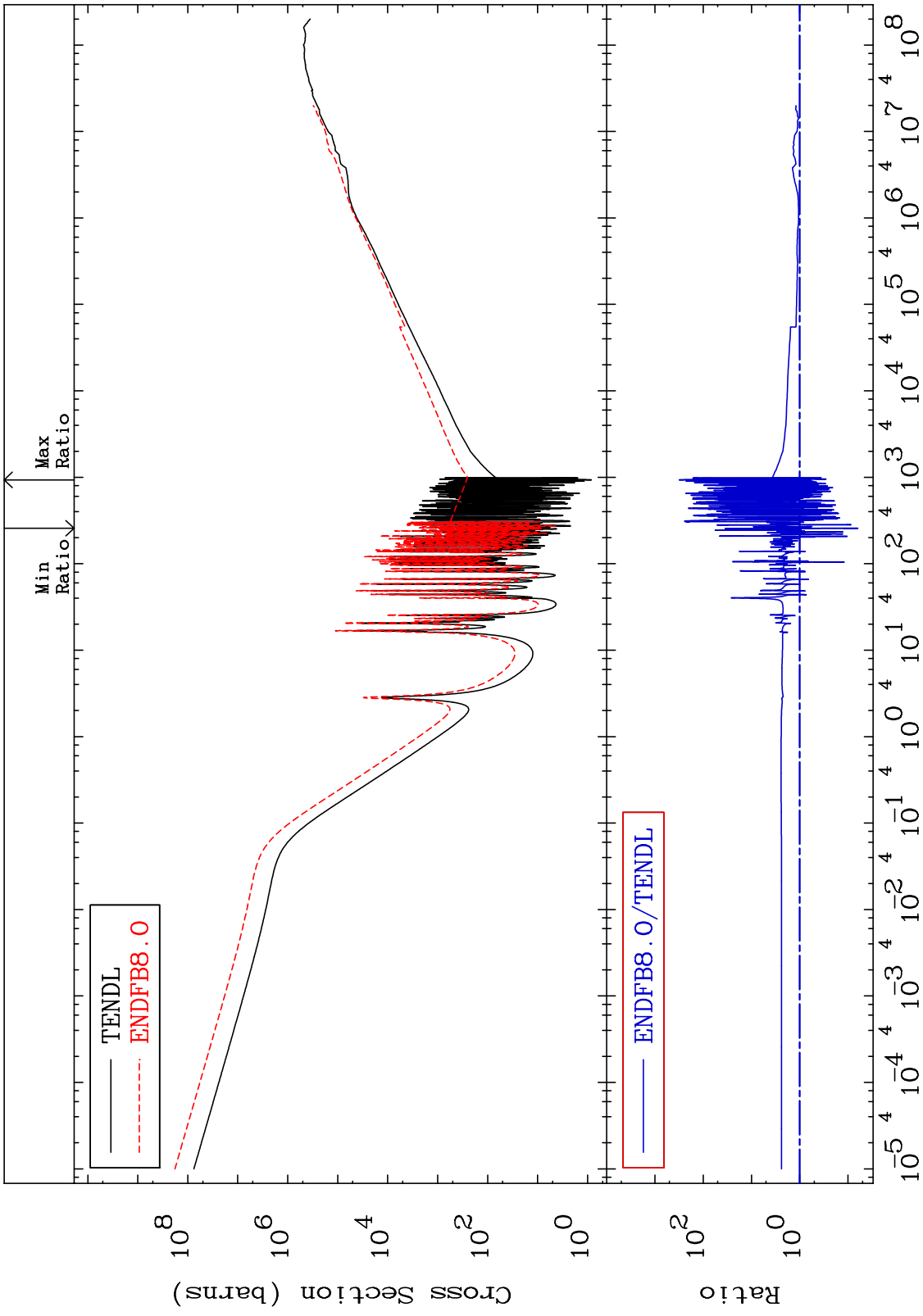
MAT 6440 64-Gd-157
 Total photon (eV-barns) -97.40 To 9999. %
 Cross Section



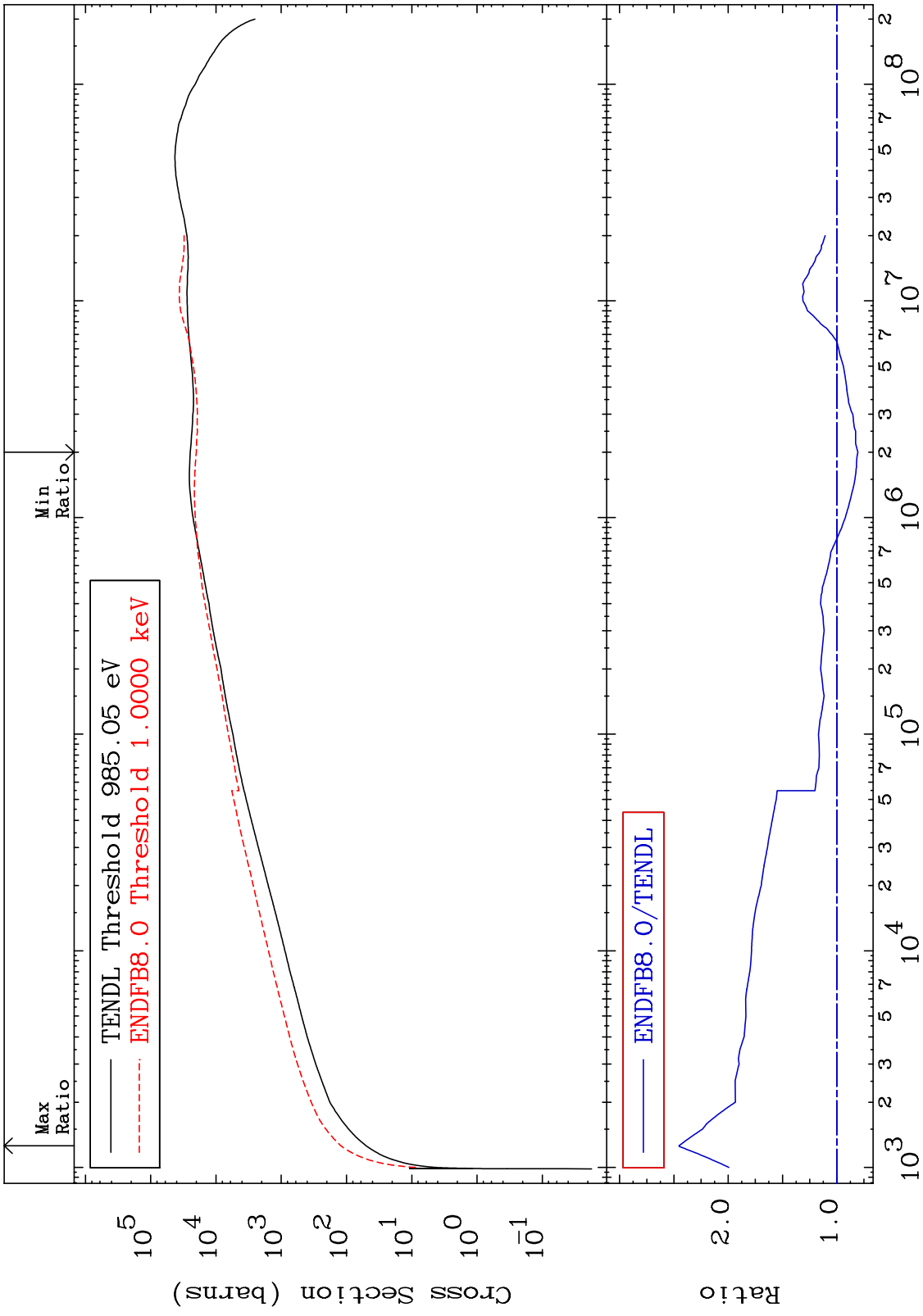
MAT 6440 Total kinematic kerma (high limit) 64-Gd-157
 Cross Section -96.13 To 3229. %



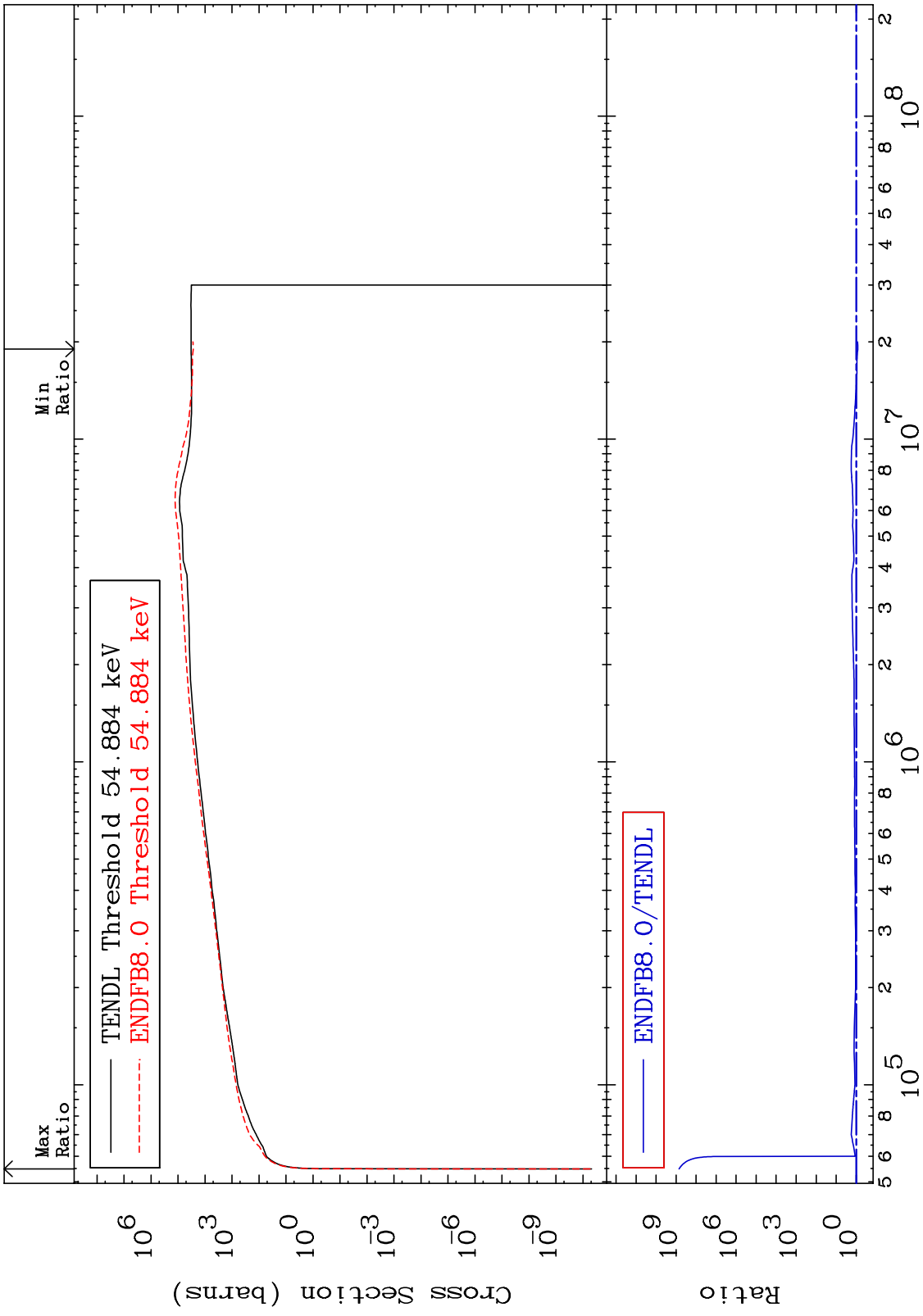
MAT 6440 Dpa total (eV-barns) 64-Gd-157
 Cross Section -93.74 To 9999. %



MAT 6440 64-Gd-157
 Dpa elastic (mt2) -19.39 To 145.2 %
 Cross Section



MAT 6440 Dpa inelastic (mt51-91) 64-Gd-157
 Cross Section -17.50 To 9999. %



MAT 6440 Dpa disappearance (mt102 -120) 64-Gd-157
 Cross Section -93.74 To 9999. %

