

Program Complot
(Version 2018-1)

by

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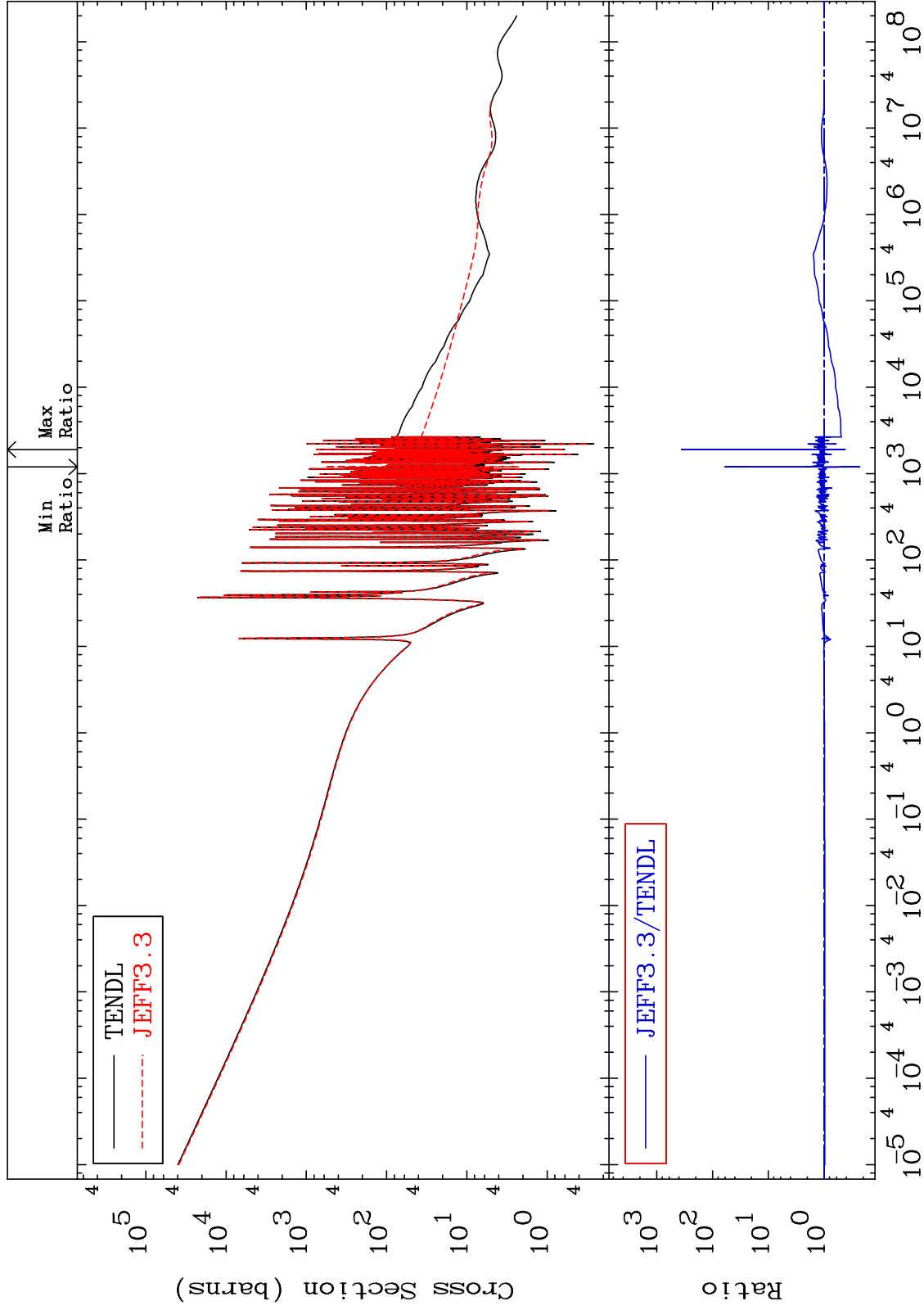
Press Mouse Button to Start

MAT 6425

Total
Cross Section

64-Gd-152

-77.04 To 9999. %



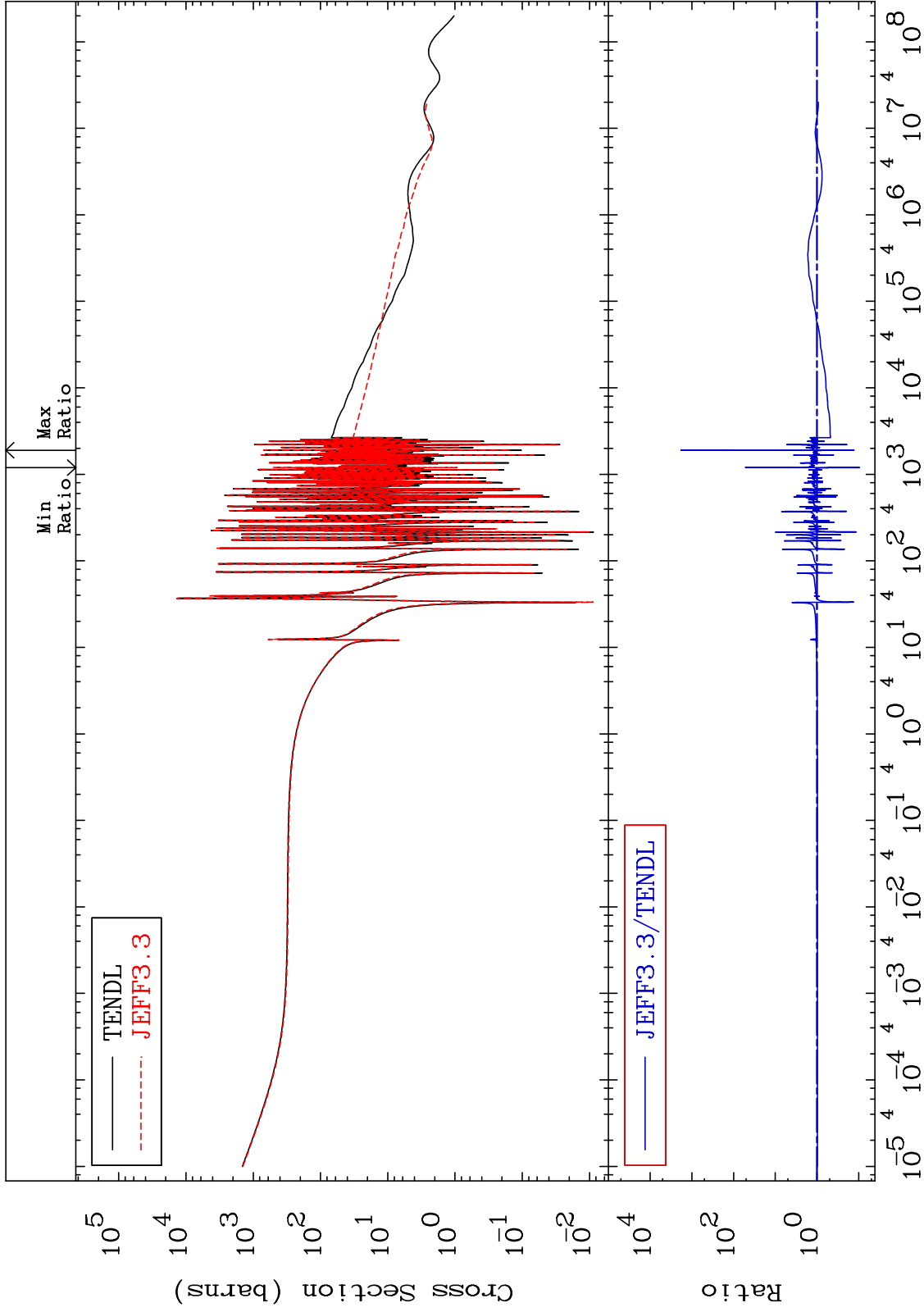
Incident Energy (eV)

64-Gd-152

MAT 6425

Elastic
Cross Section

64-Gd-152
-90.47 To 9999. %



2

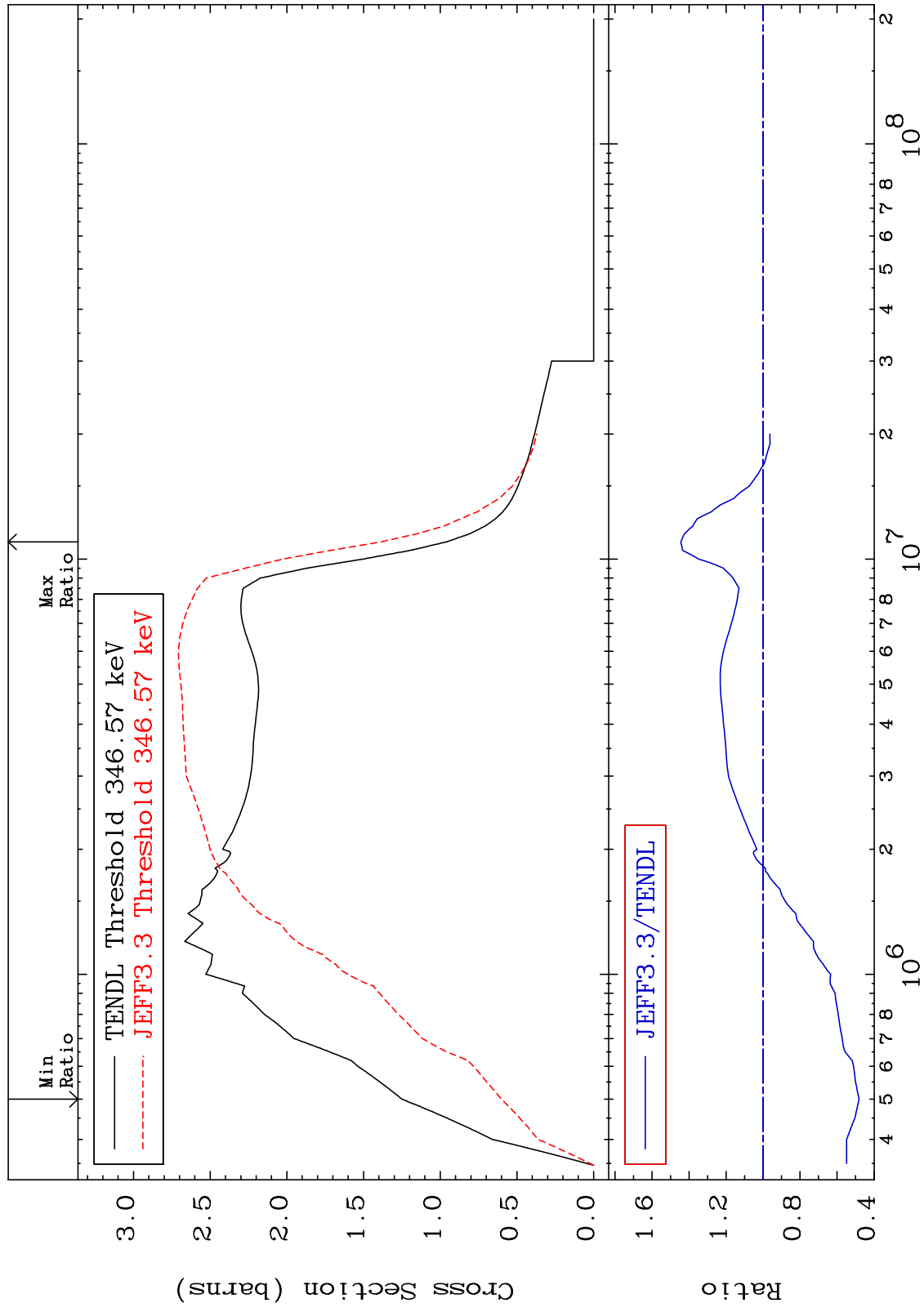
Incident Energy (eV)

64-Gd-152

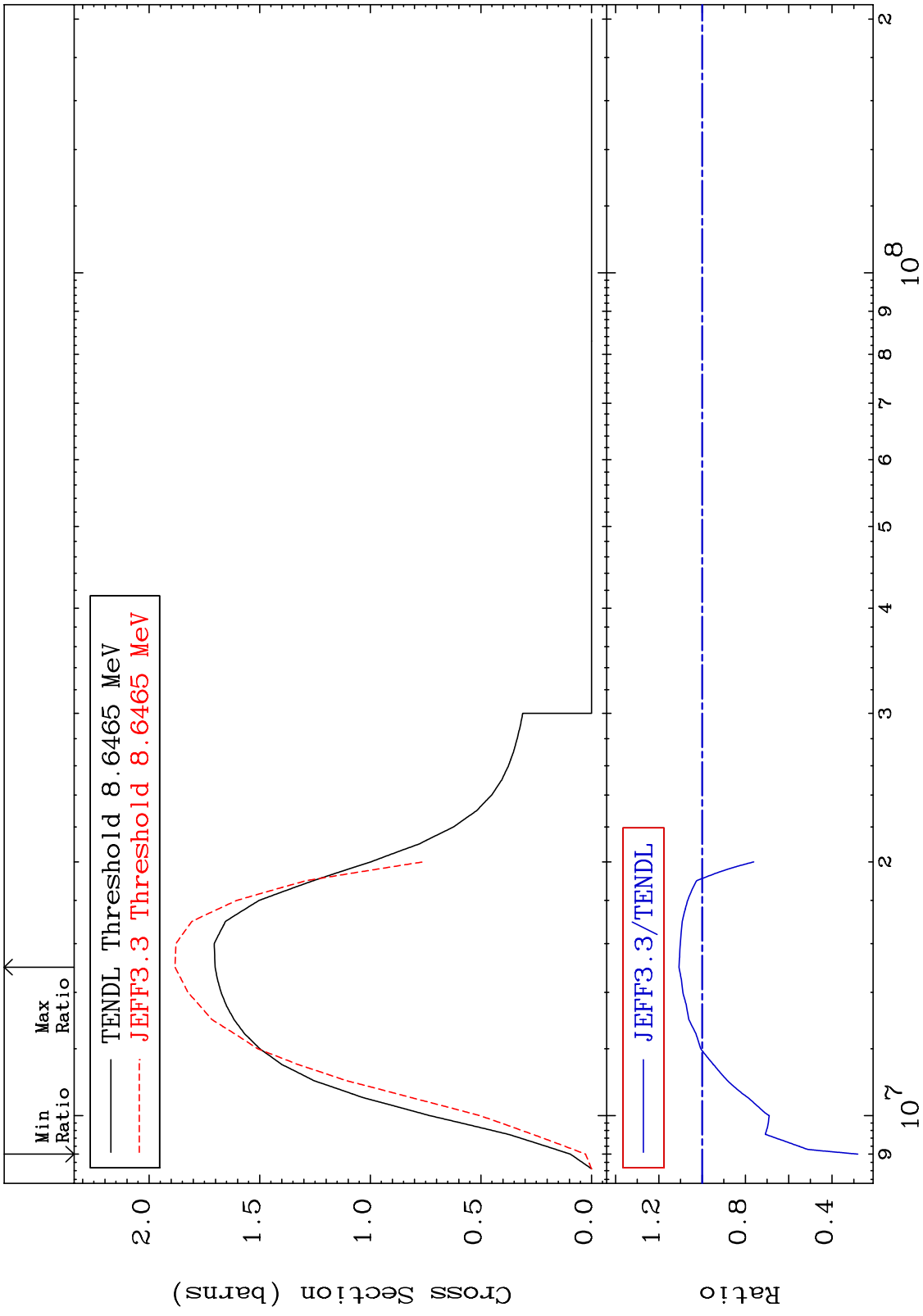
MAT 6425

Inelastic
Cross Section

64-Gd-152
-51.93 To 44.43 %

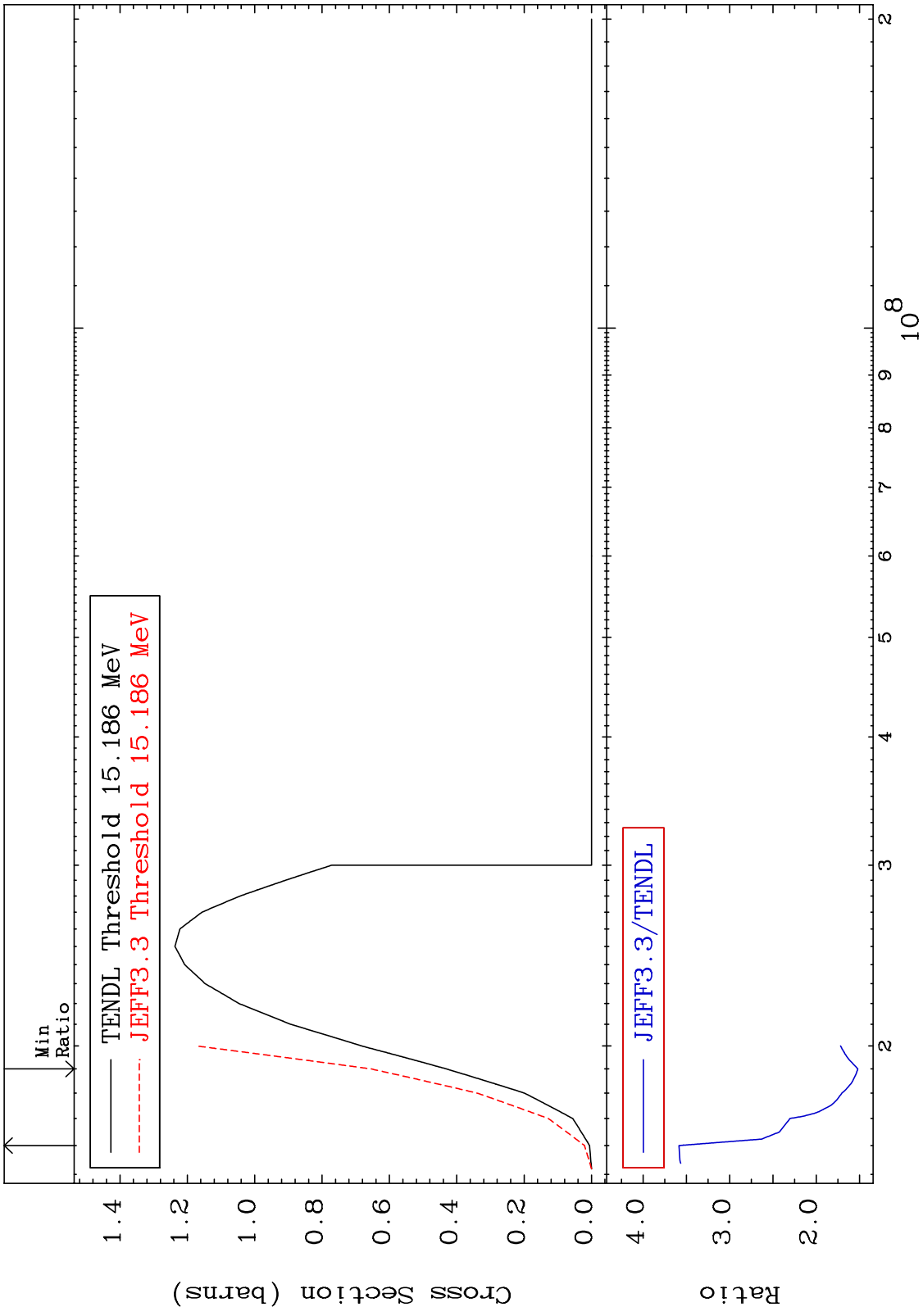


MAT 6425 64-Gd-152
-71.88 To 10.67 %
 (n,2n)
 Cross Section



4 64-Gd-152

MAT 6425 (n,3n) Cross Section 64-Gd-152 51.89 To 258.4 %

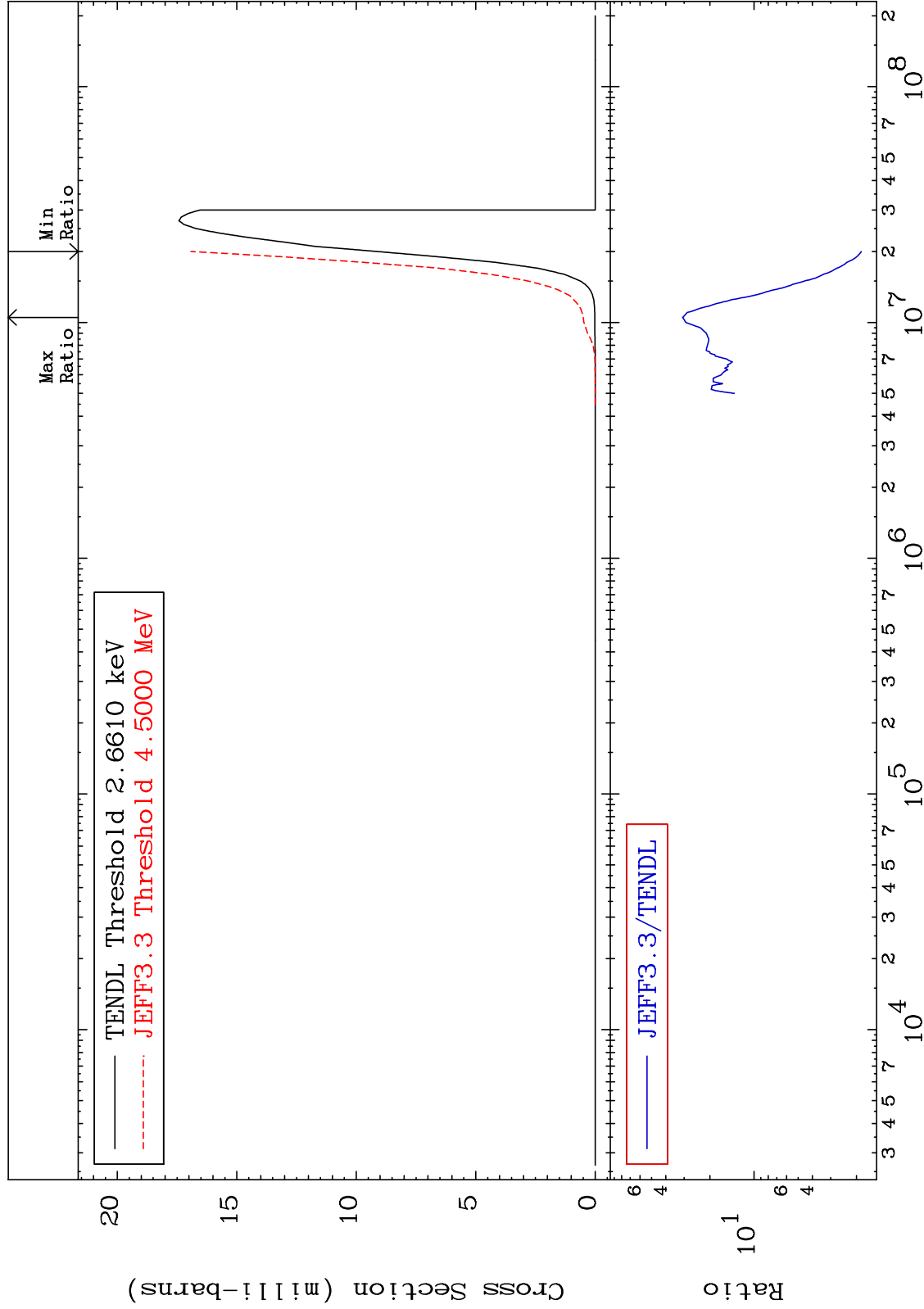


MAT 6425

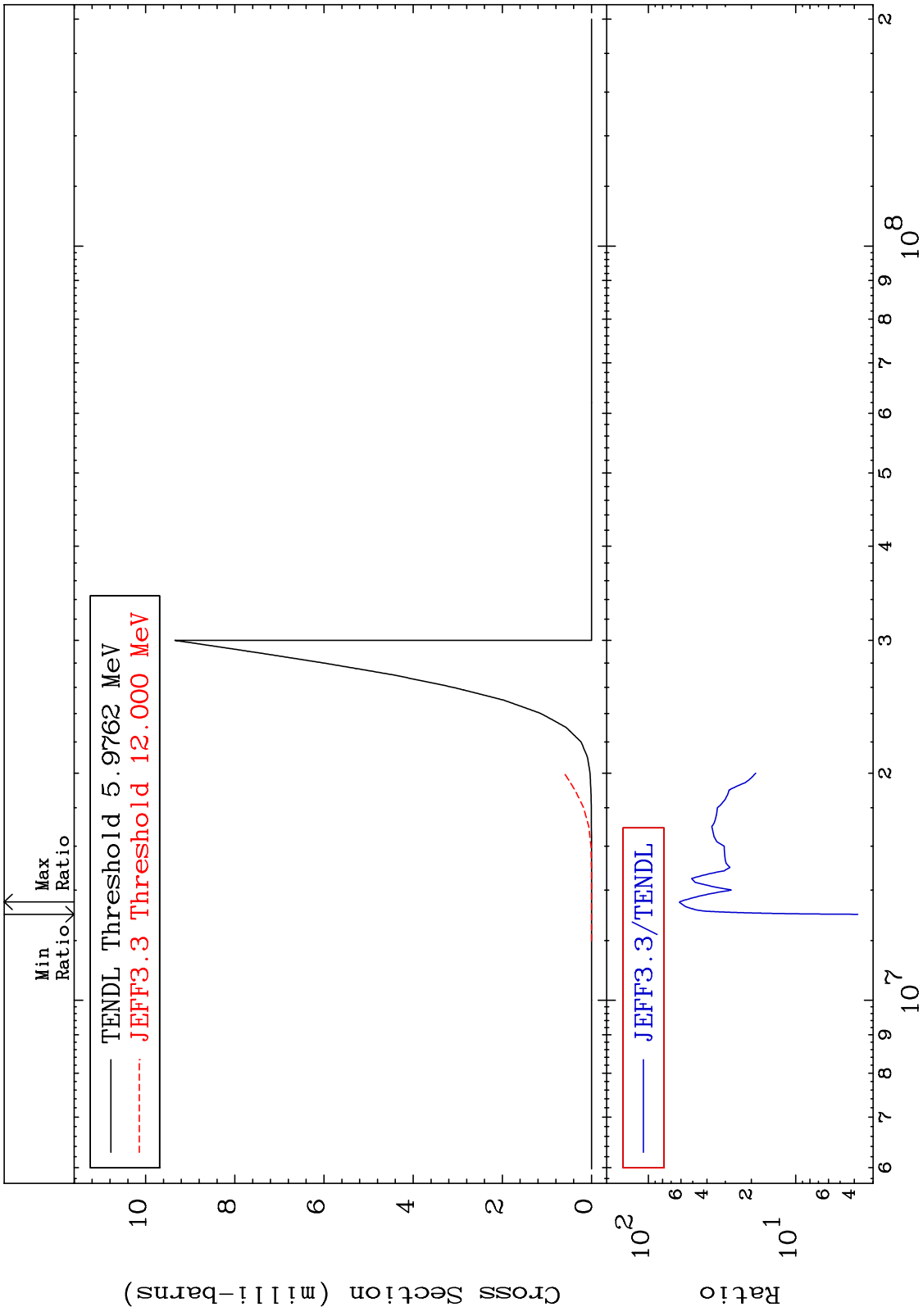
$(n, n') \alpha$

Cross Section

64-Gd-152
To 2968. %
85.25

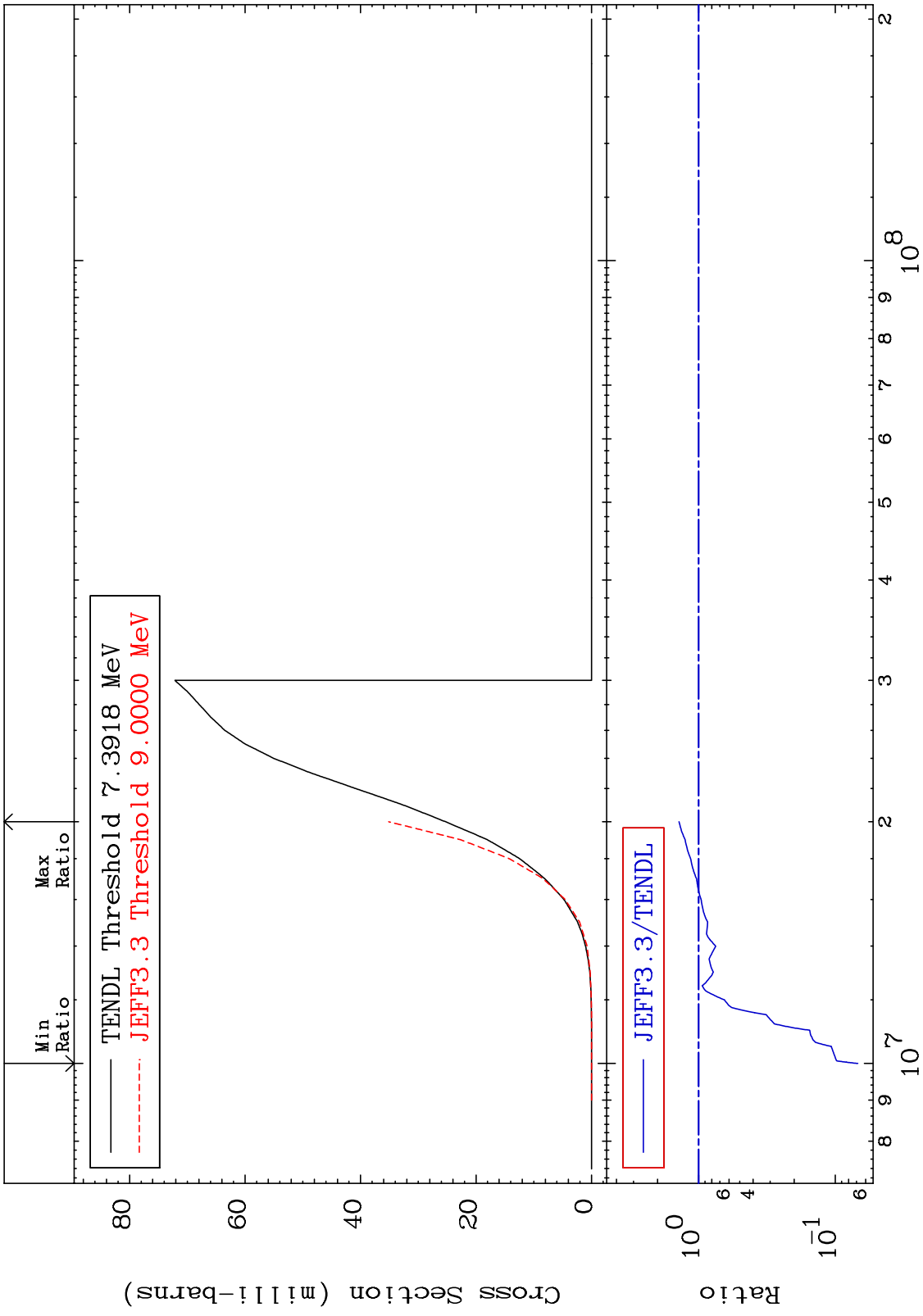


MAT 6425 (n,2n) α 64-Gd-152
 Cross Section 278.8 To 6090. %



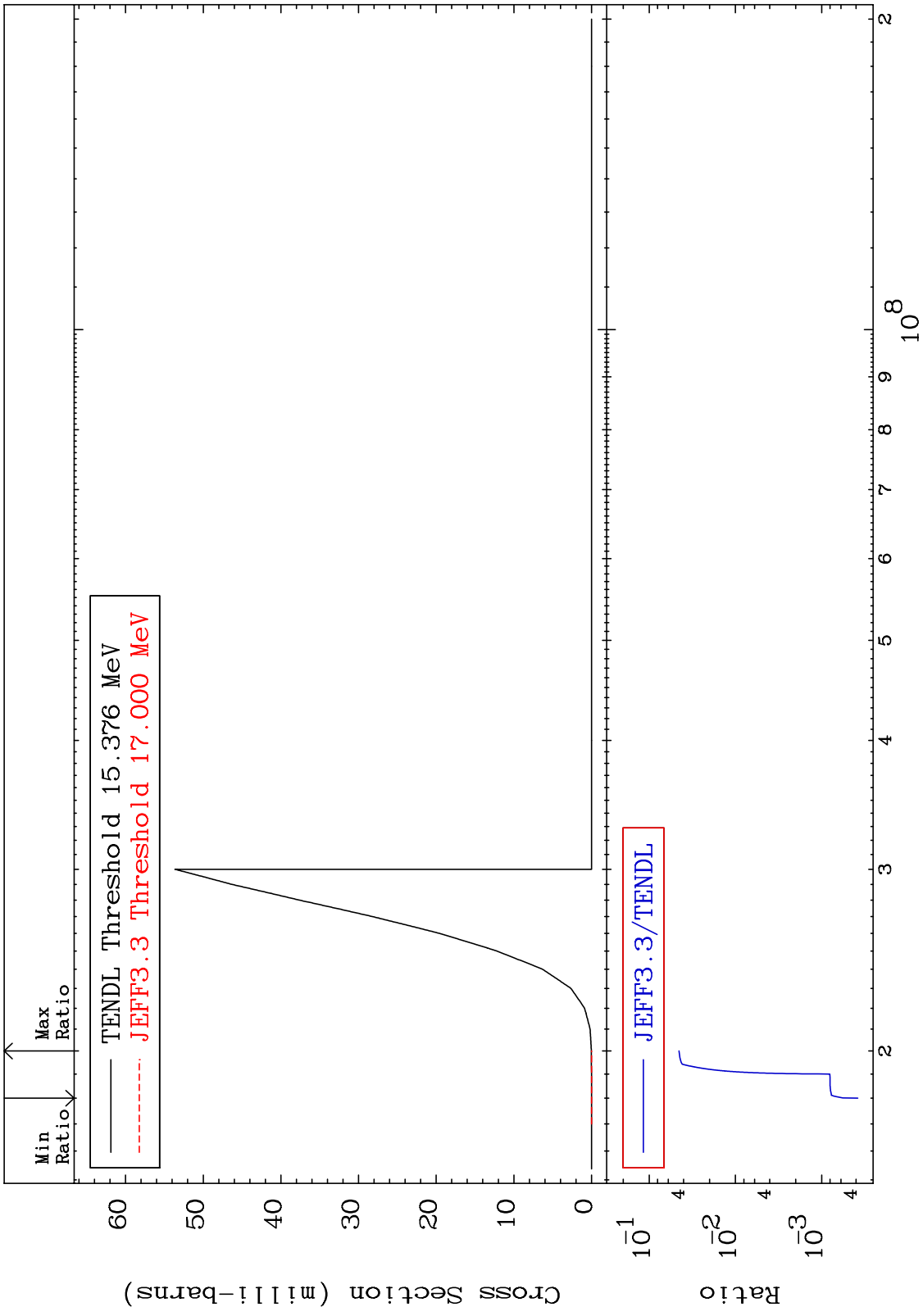
7 64-Gd-152

MAT 6425 (n, n') p 64-Gd-152
 Cross Section -93.16 To 39.10 %

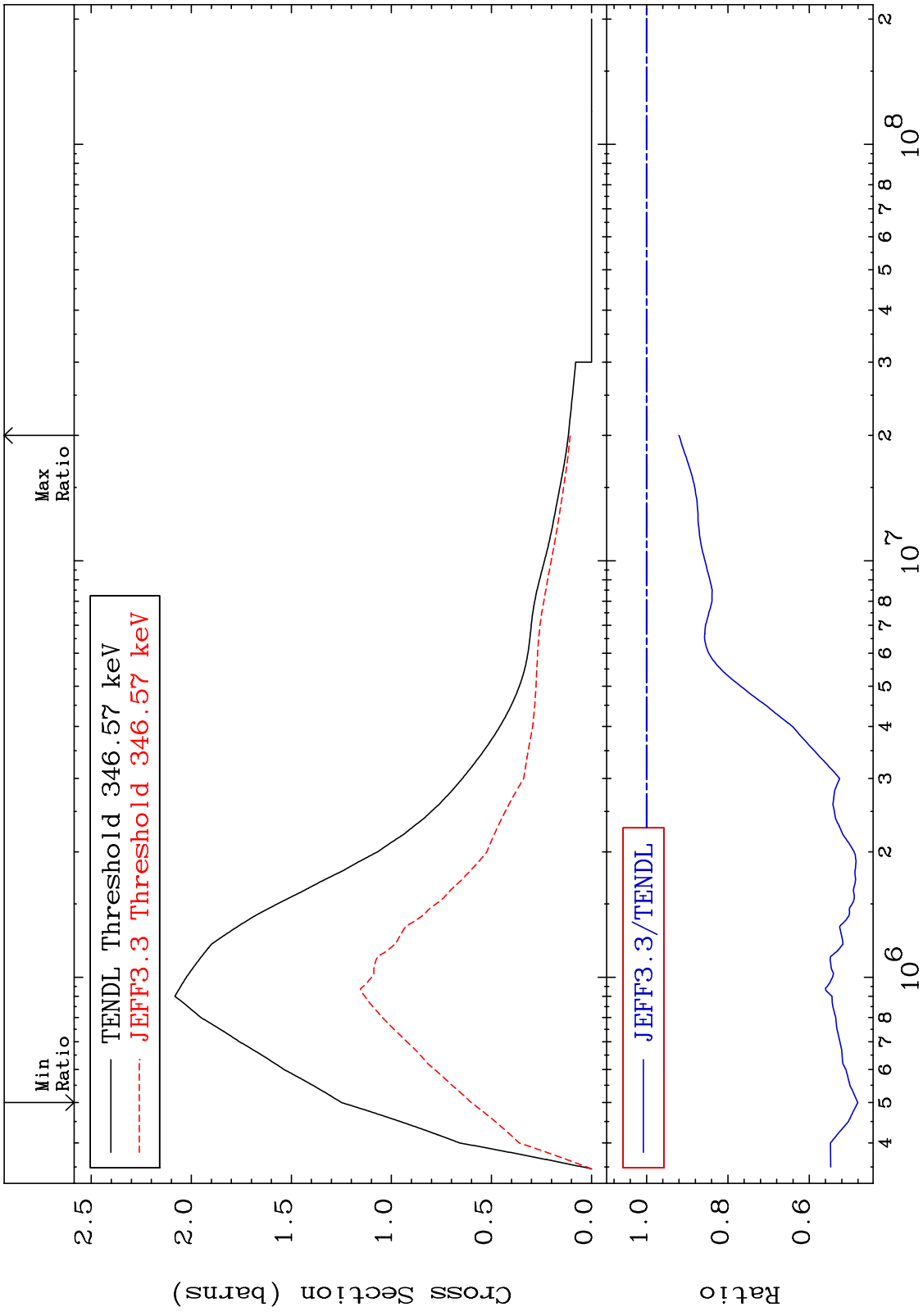


8 Incident Energy (eV) 64-Gd-152

MAT 6425 (n,2n) p 64-Gd-152
 Cross Section -99.96 To -95.49%

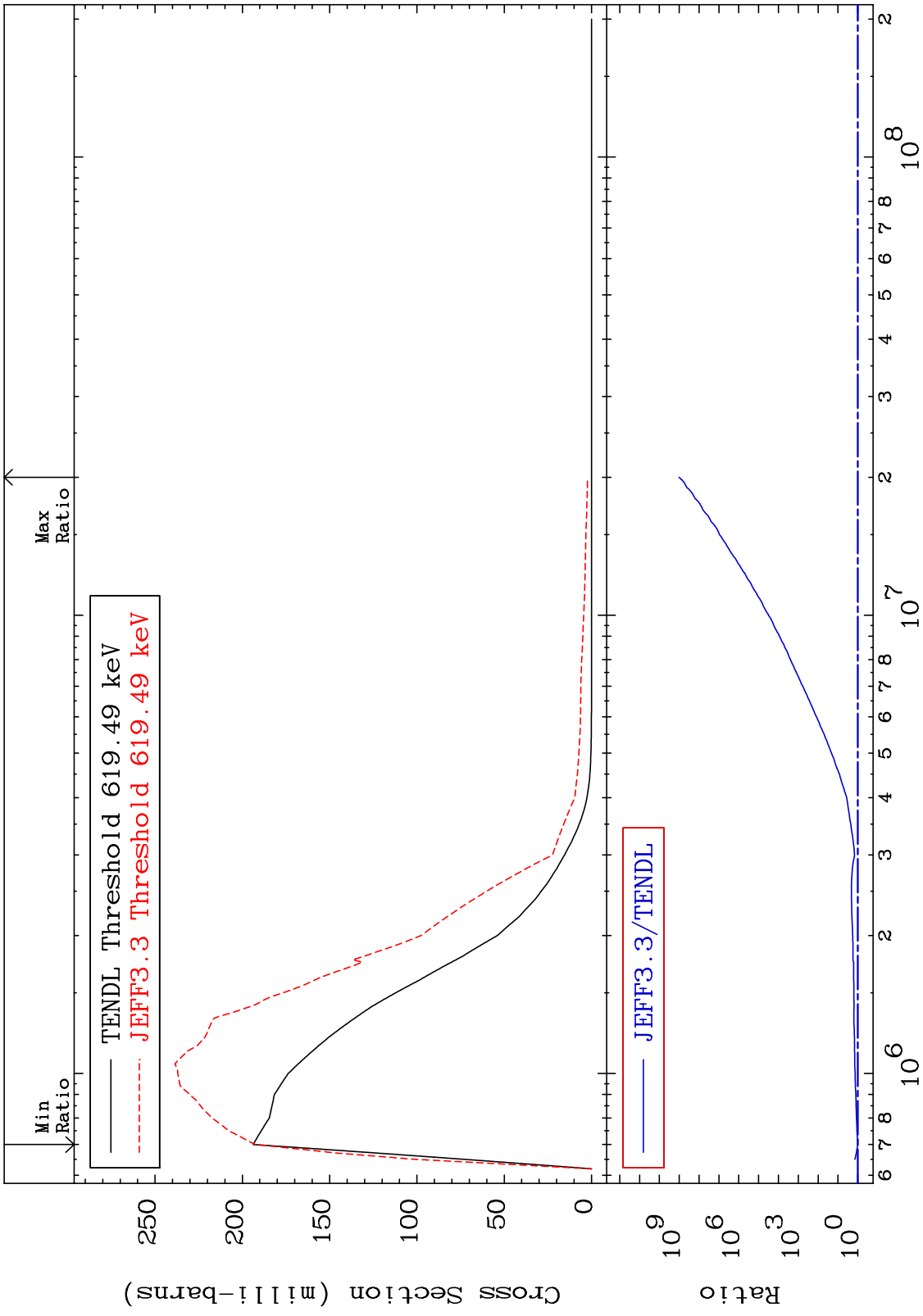


MAT 6425 MT= 51 (n,n') Level Cross Section 64-Gd-152
 -51.94 To -7.992%

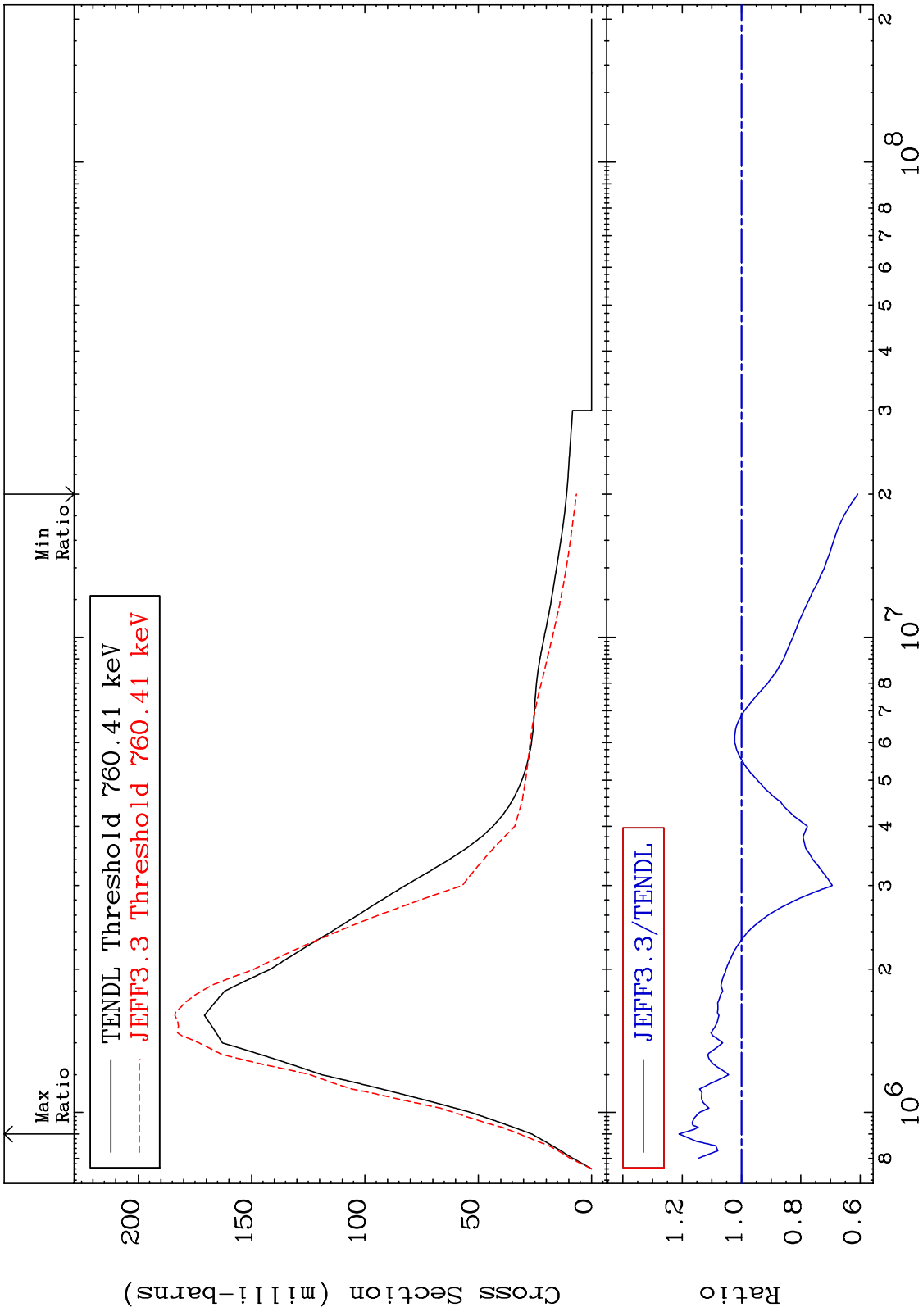


64-Gd-152

MAT 6425 MT= 52 (n,n') Level Cross Section 64-Gd-152
 -0.510 To 9999. %

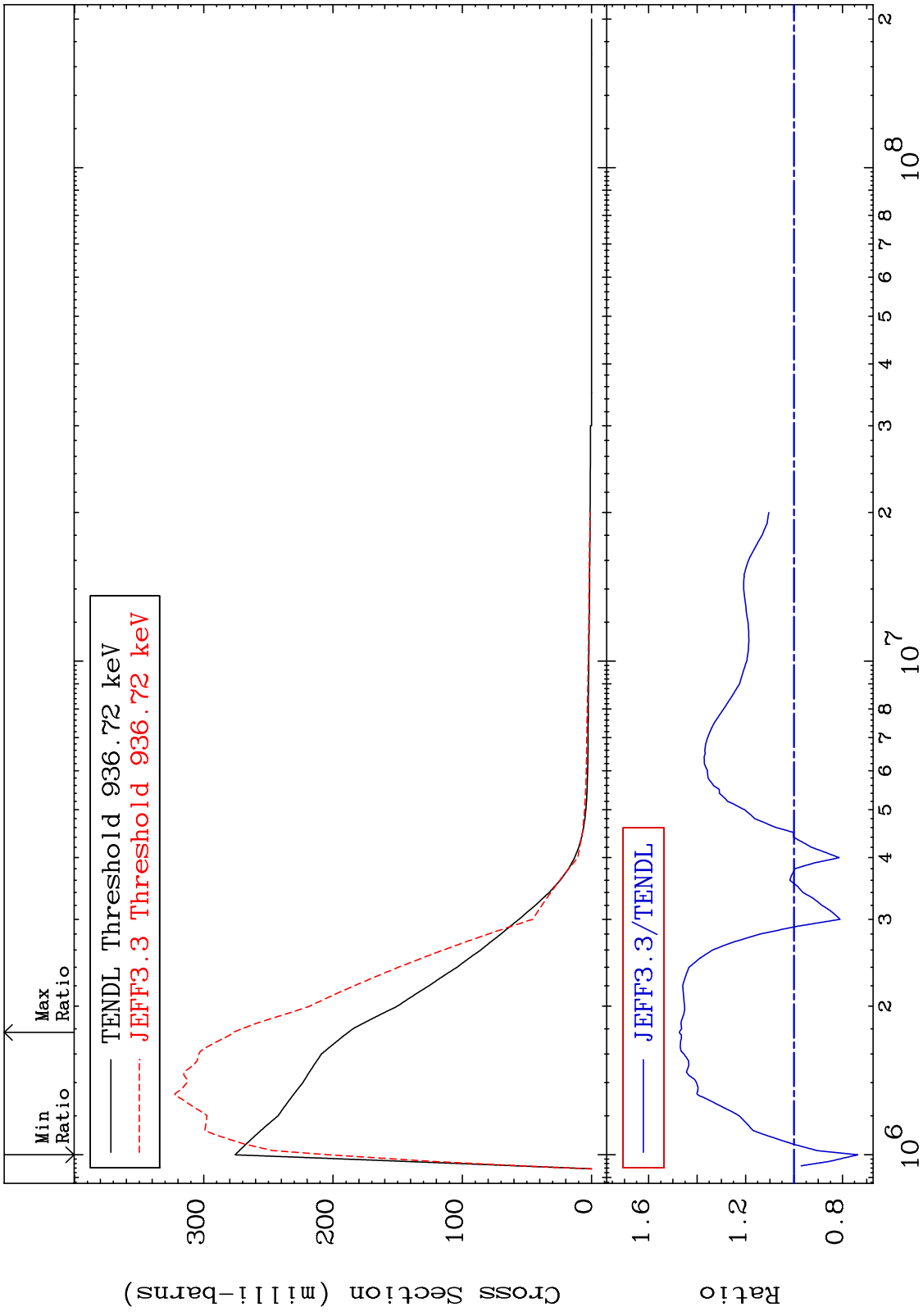


MAT 6425 MT= 53 (n,n') Level Cross Section 64-Gd-152
 -39.21 To 21.05 %

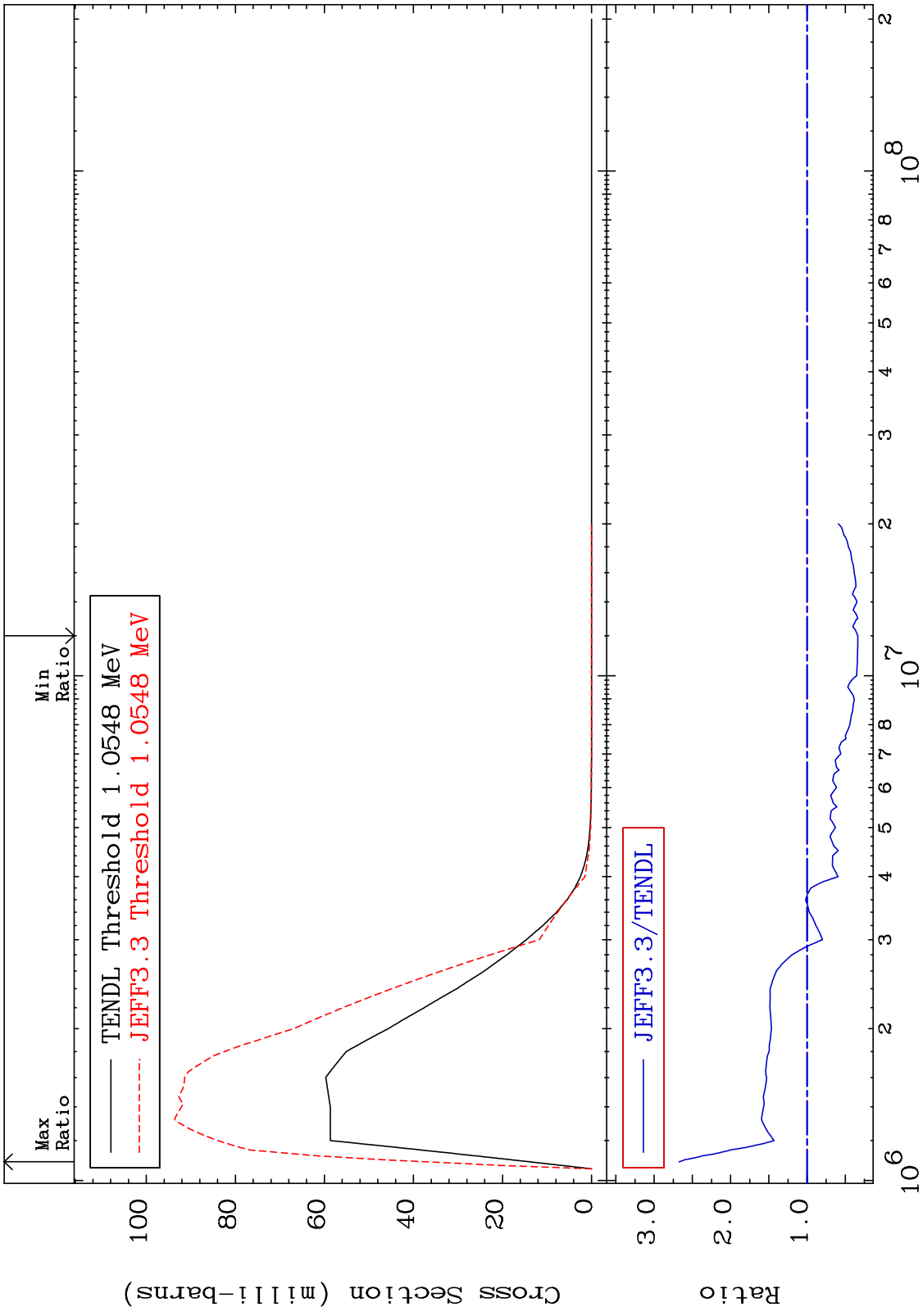


12 Incident Energy (eV) 64-Gd-152

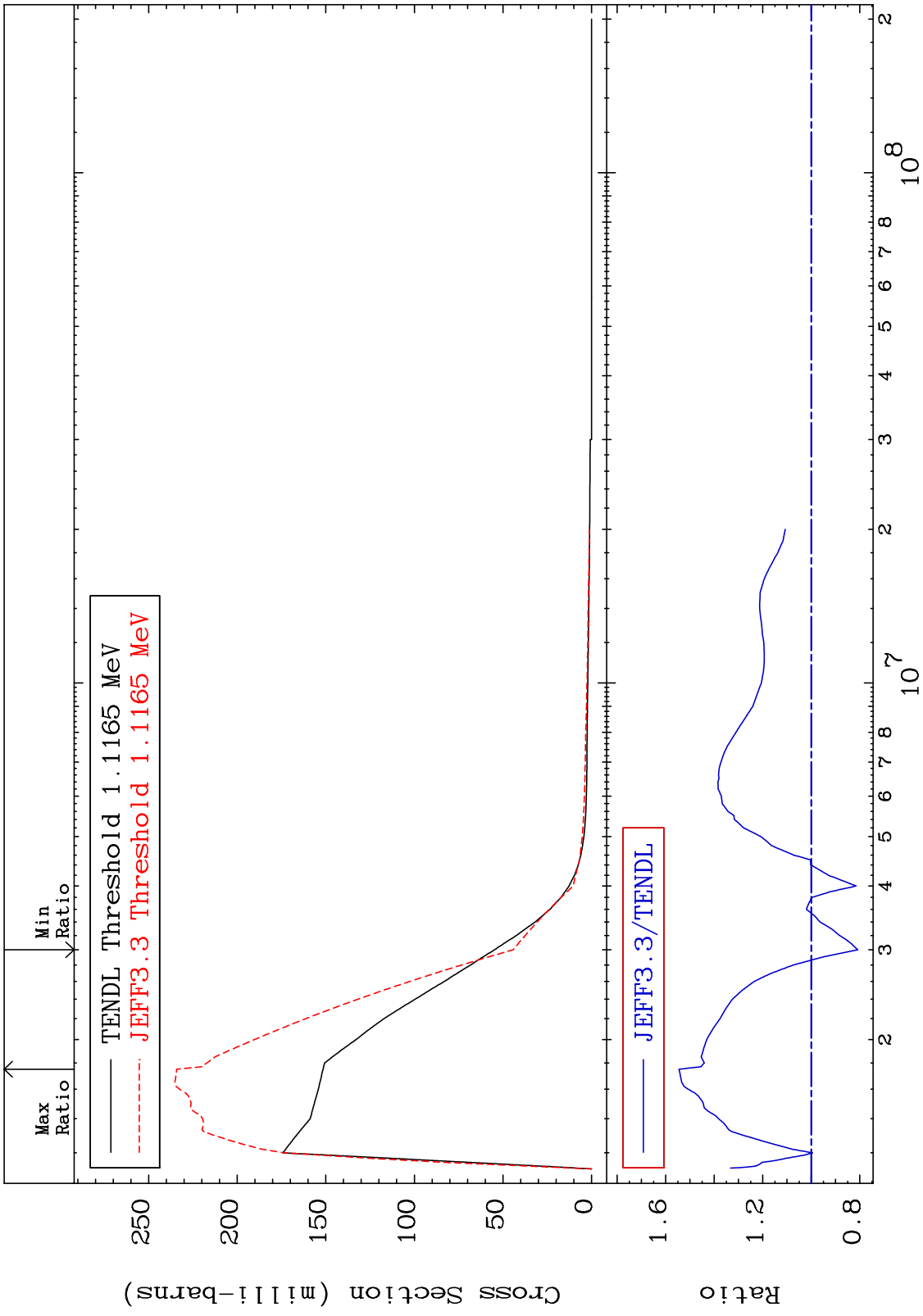
MAT 6425 MT= 54 (n,n') Level Cross Section 64-Gd-152
 -26.34 To 47.47 %



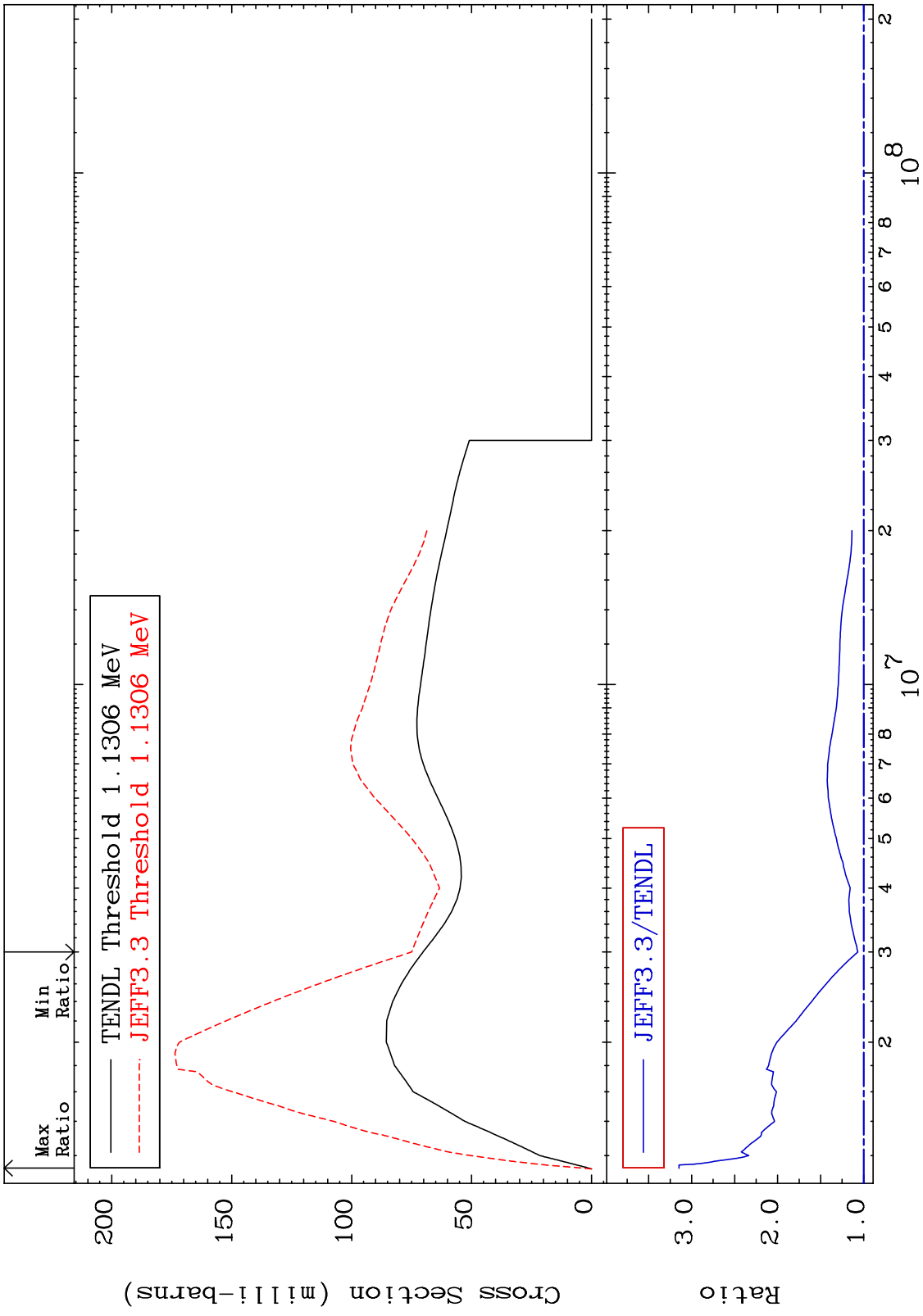
MAT 6425 MT= 55 (n,n') Level Cross Section 64-Gd-152 -66.37 To 167.4 %



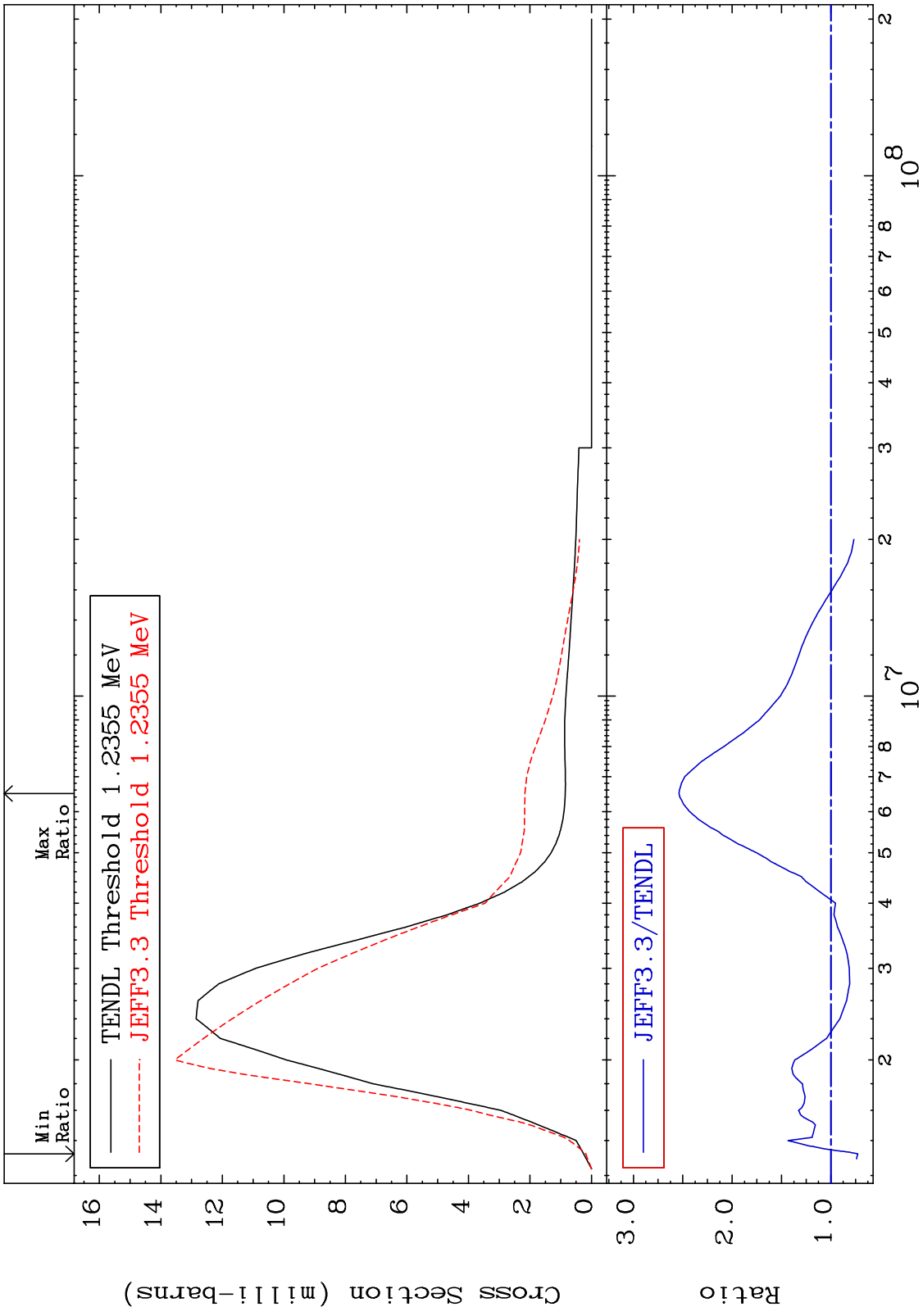
MAT 6425 MT= 56 (n,n') Level Cross Section 64-Gd-152
 -19.19 To 54.49 %



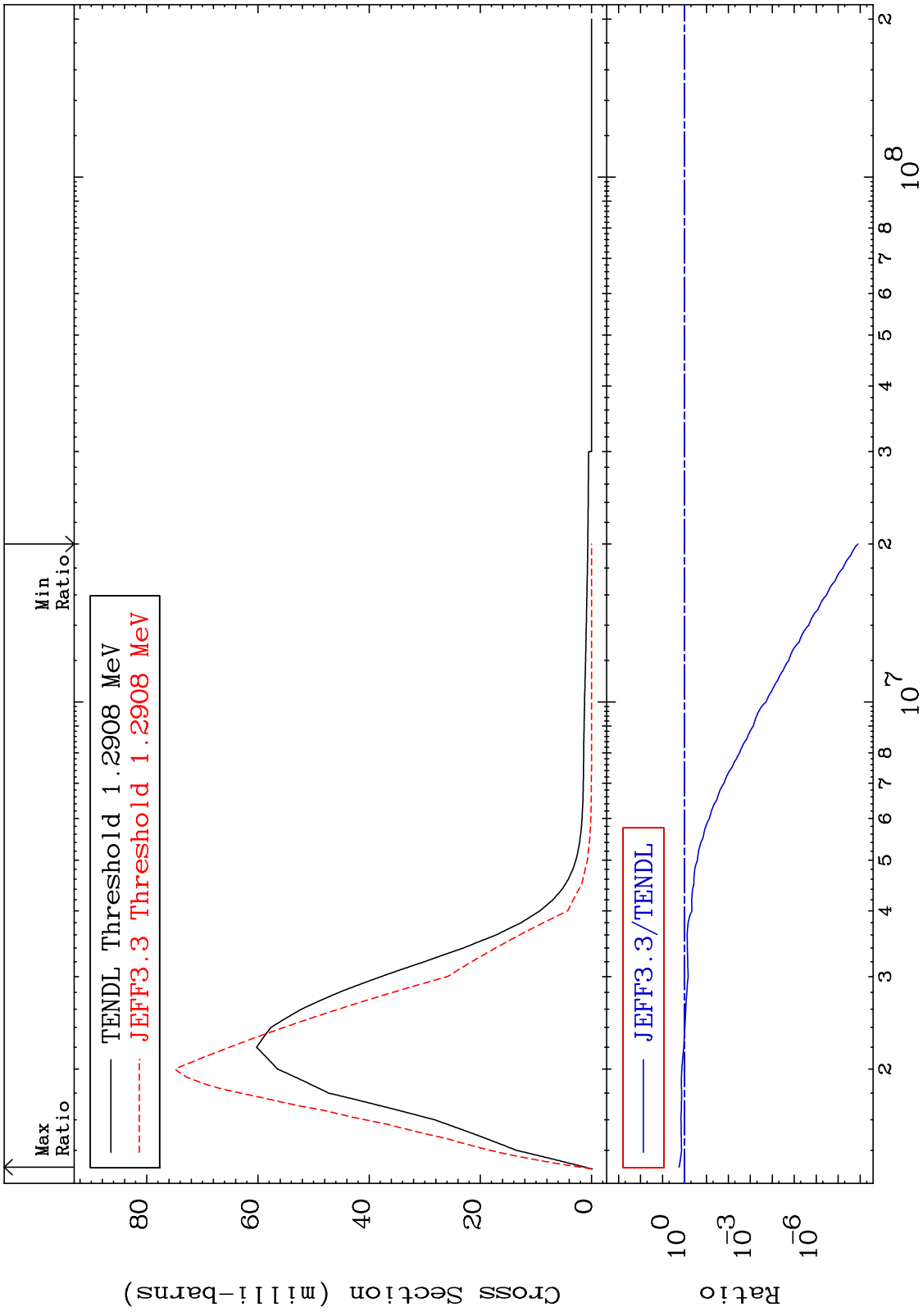
MAT 6425 MT= 57 (n,n') Level Cross Section 64-Gd-152 6.753 To 214.7 %



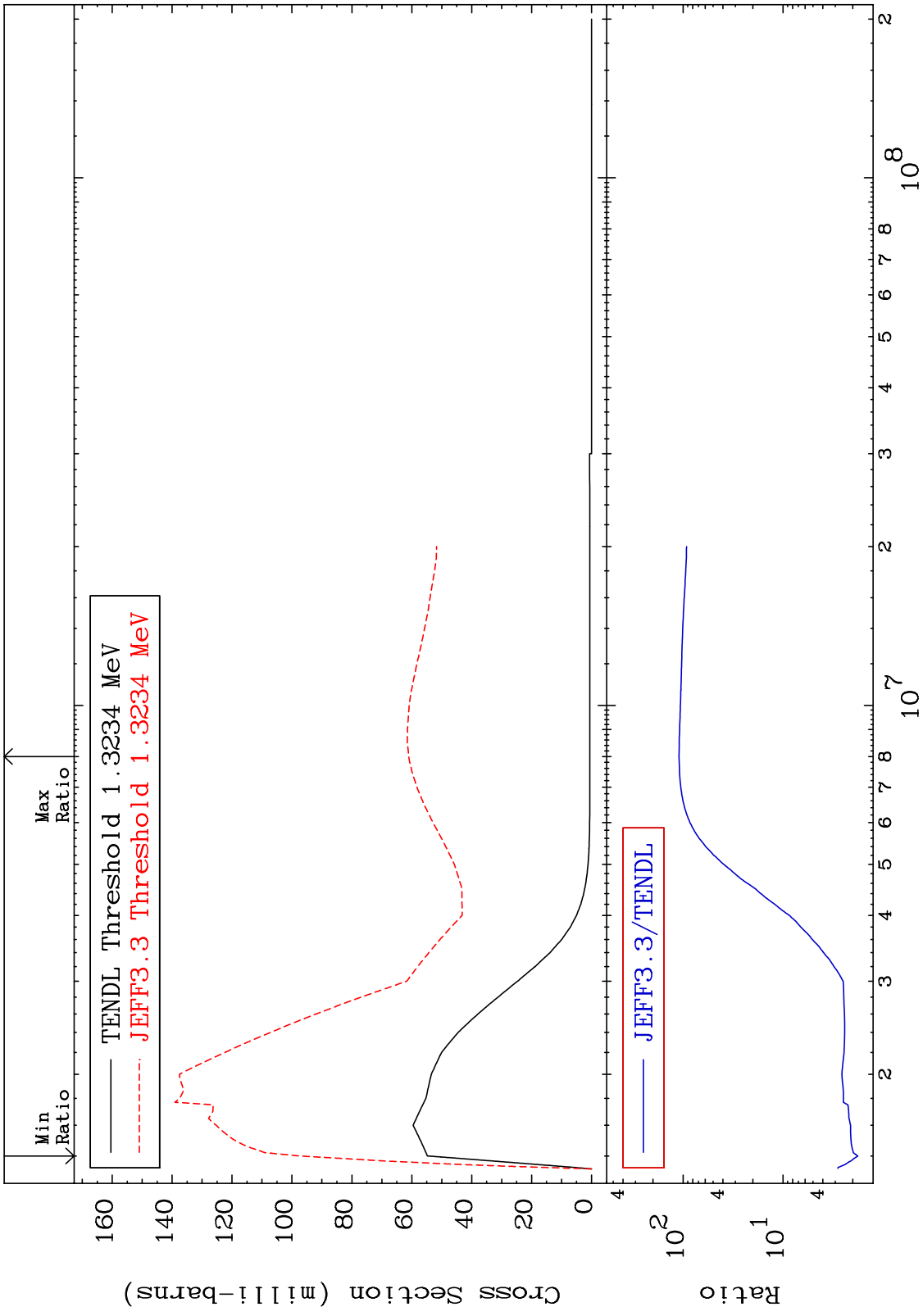
MAT 6425 MT= 58 (n,n') Level Cross Section 64-Gd-152 -27.30 To 153.8 %



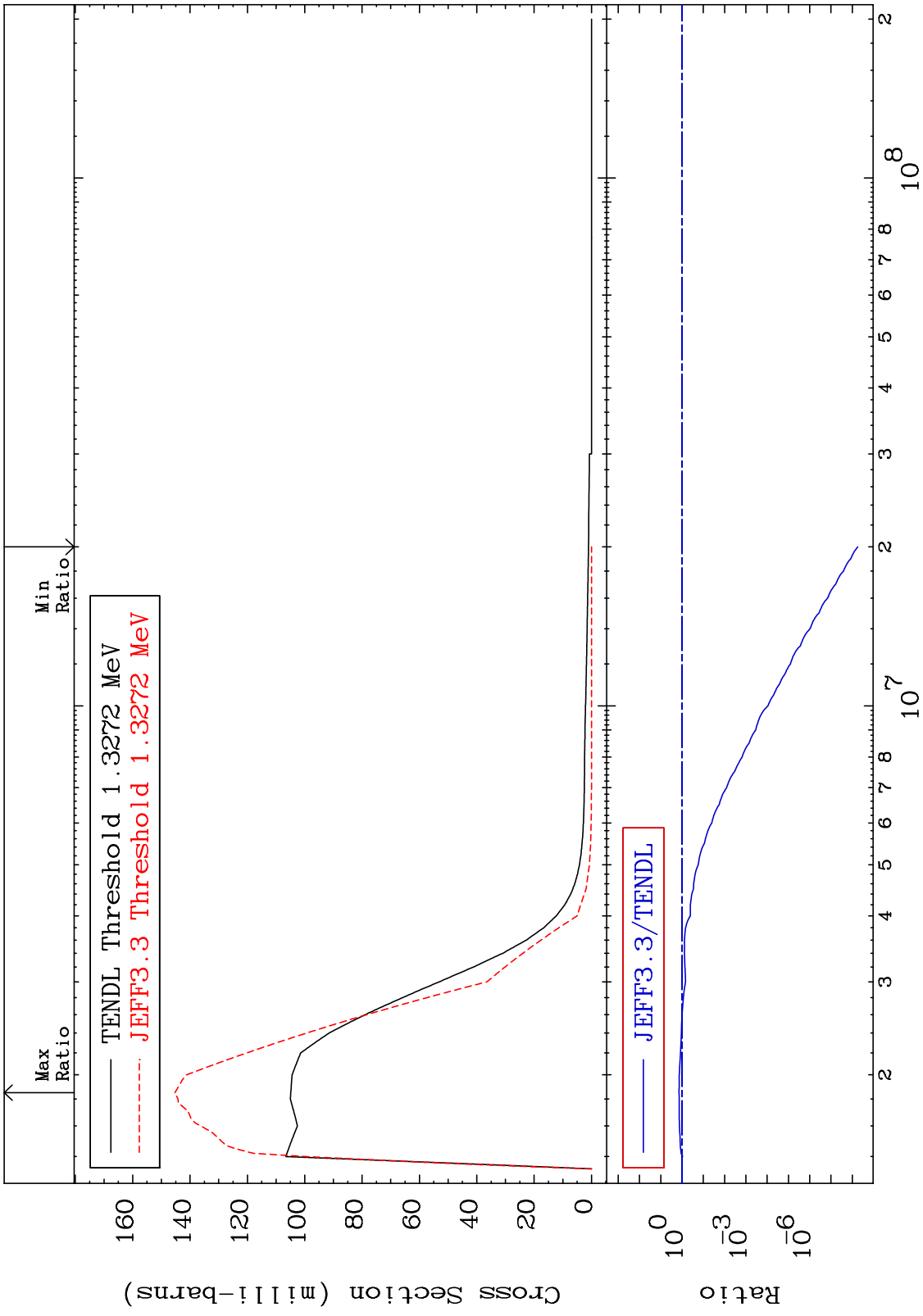
MAT 6425 MT= 59 (n,n') Level Cross Section 64-Gd-152
 -100.0 To 76.57 %



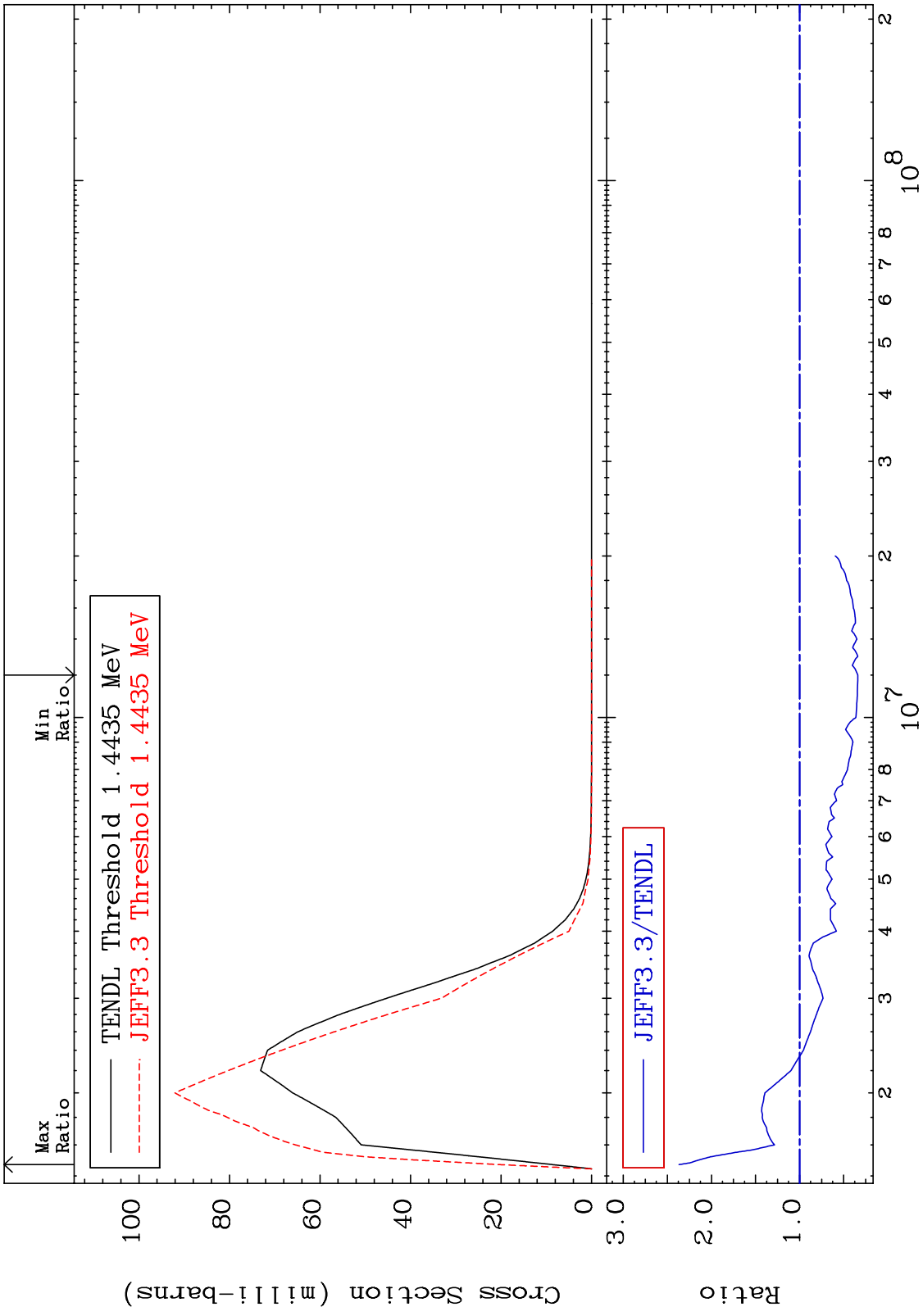
MAT 6425 MT= 60 (n,n') Level Cross Section 64-Gd-152 78.04 To 9999. %



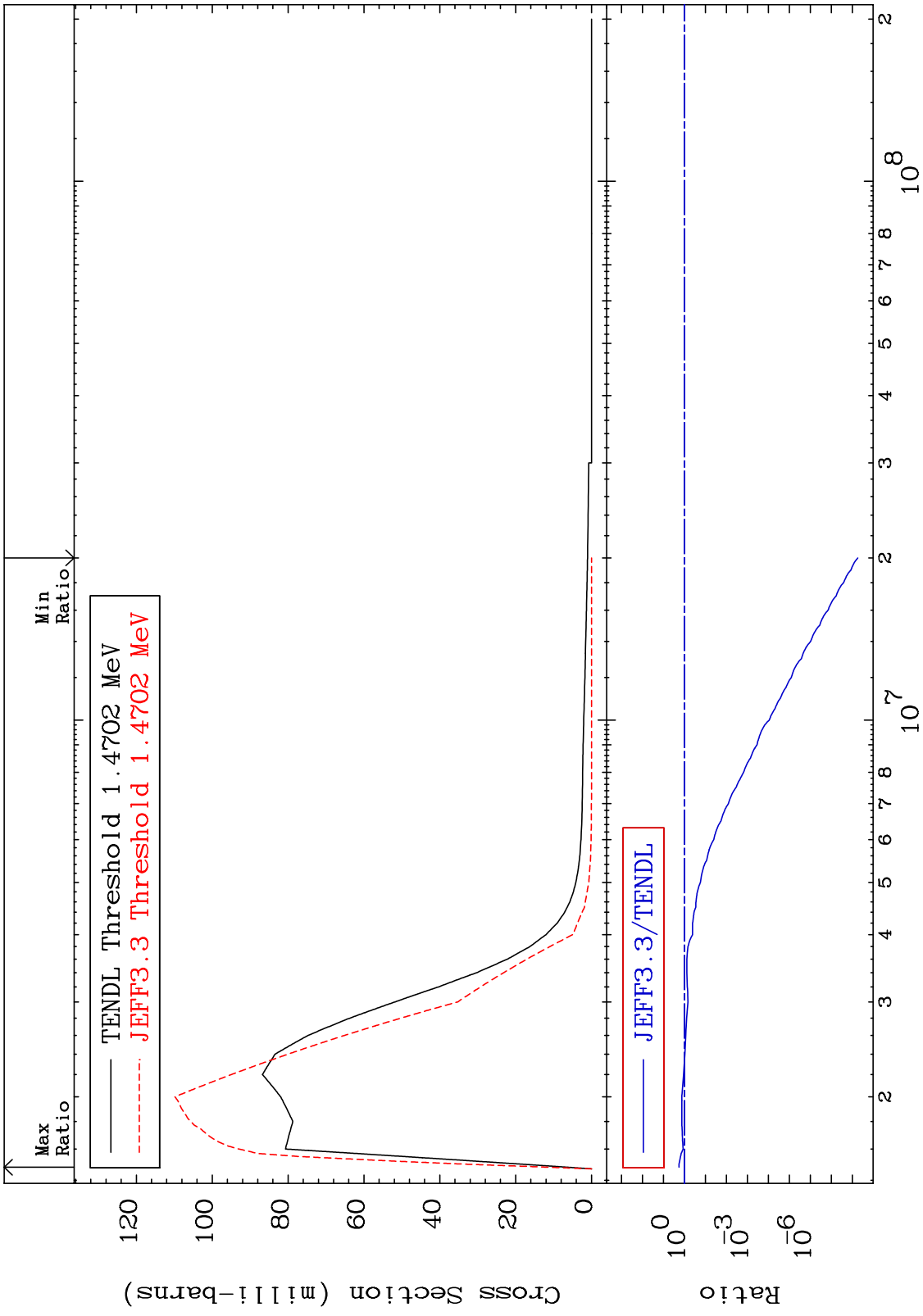
MAT 6425 MT= 61 (n,n') Level Cross Section 64-Gd-152
 -100.0 To 38.53 %



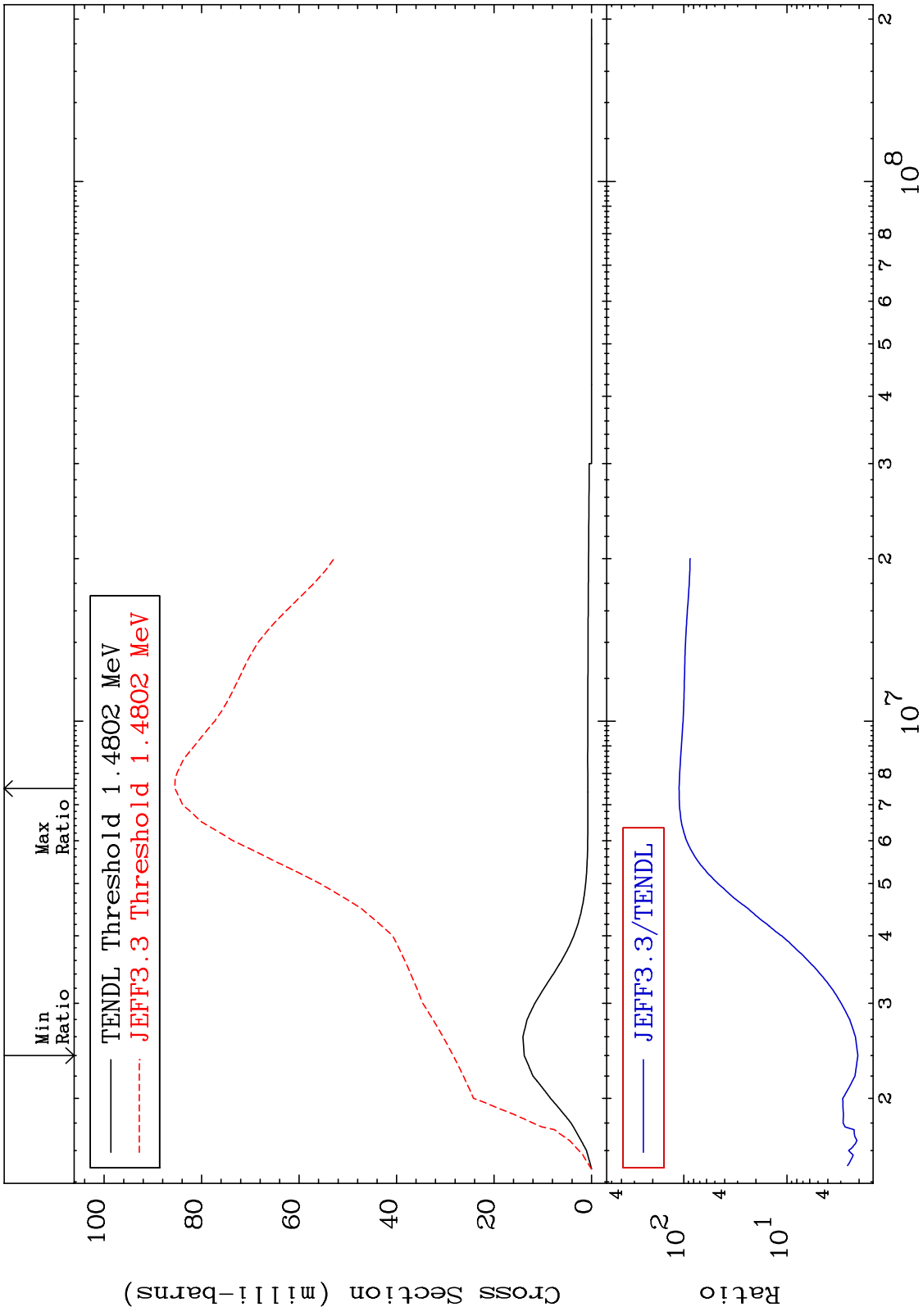
MAT 6425 MT= 62 (n,n') Level Cross Section 64-Gd-152 -66.06 To 136.8 %



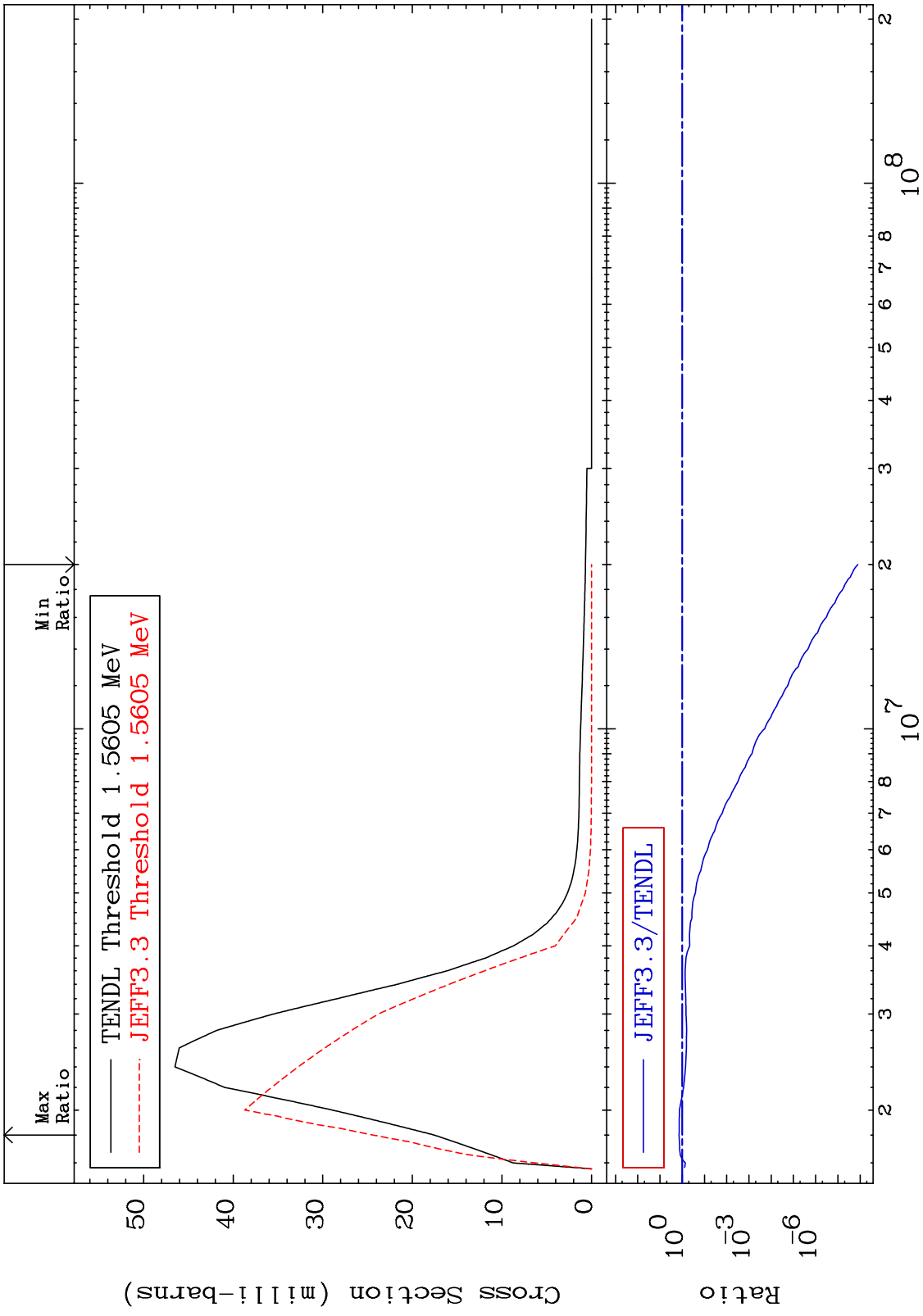
MAT 6425 MT= 63 (n,n') Level Cross Section 64-Gd-152
 -100.0 To 80.98 %



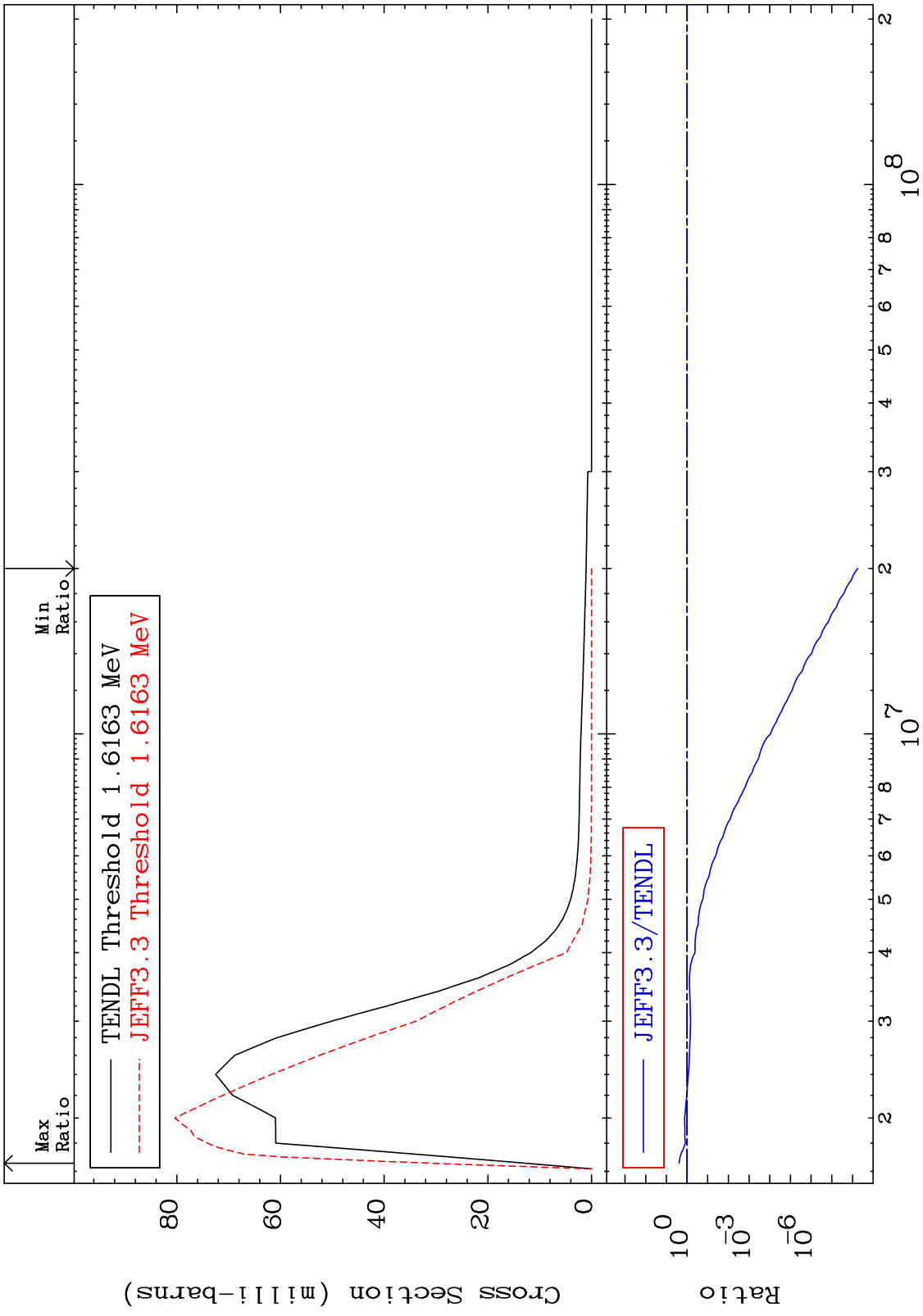
MAT 6425 MT= 64 (n,n') Level Cross Section 64-Gd-152
 105.3 To 9999. %



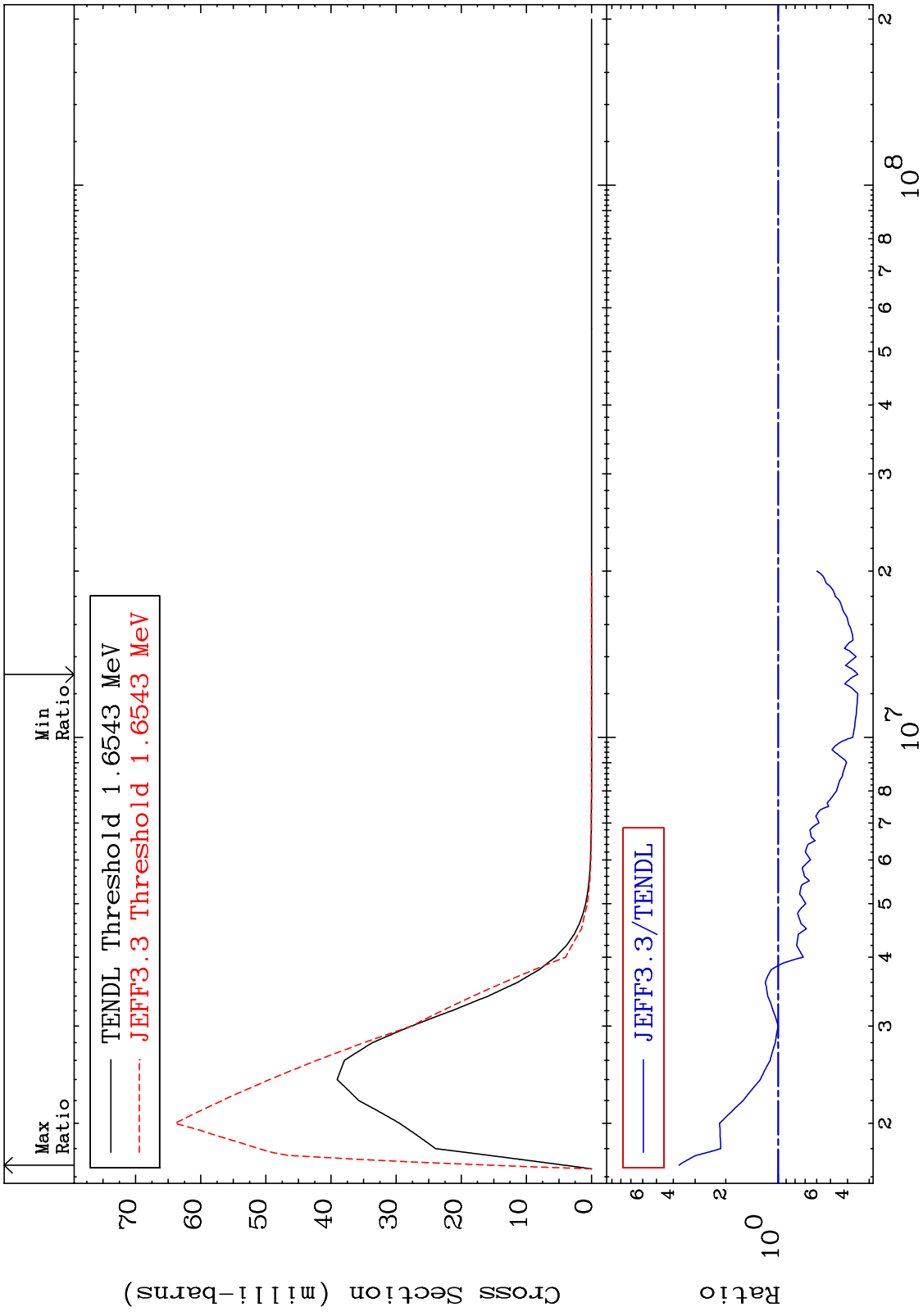
MAT 6425 MT= 65 (n,n') Level Cross Section 64-Gd-152
 -100.0 To 38.87 %



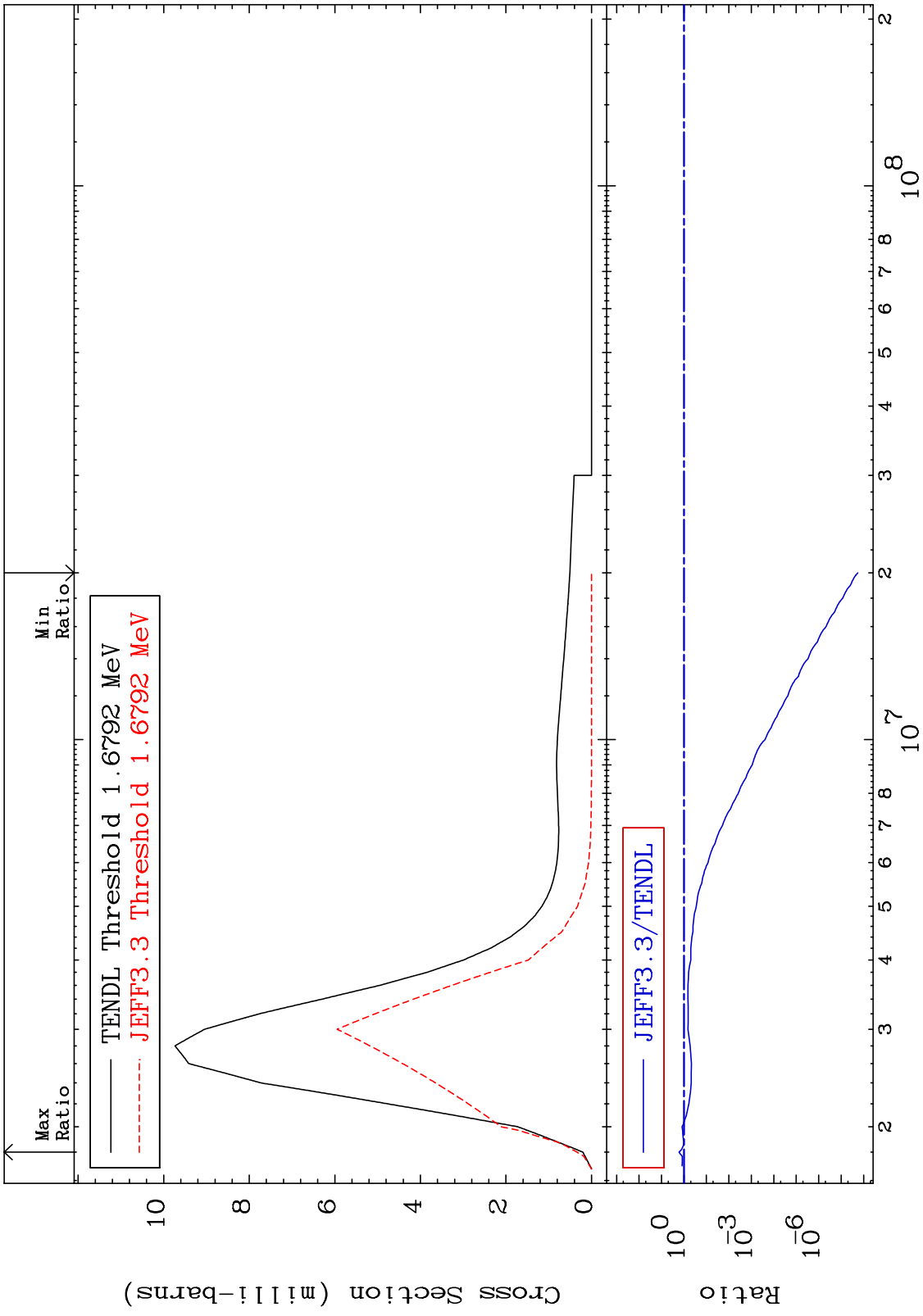
MAT 6425 MT= 66 (n,n') Level Cross Section 64-Gd-152
 -100.0 To 143.0 %



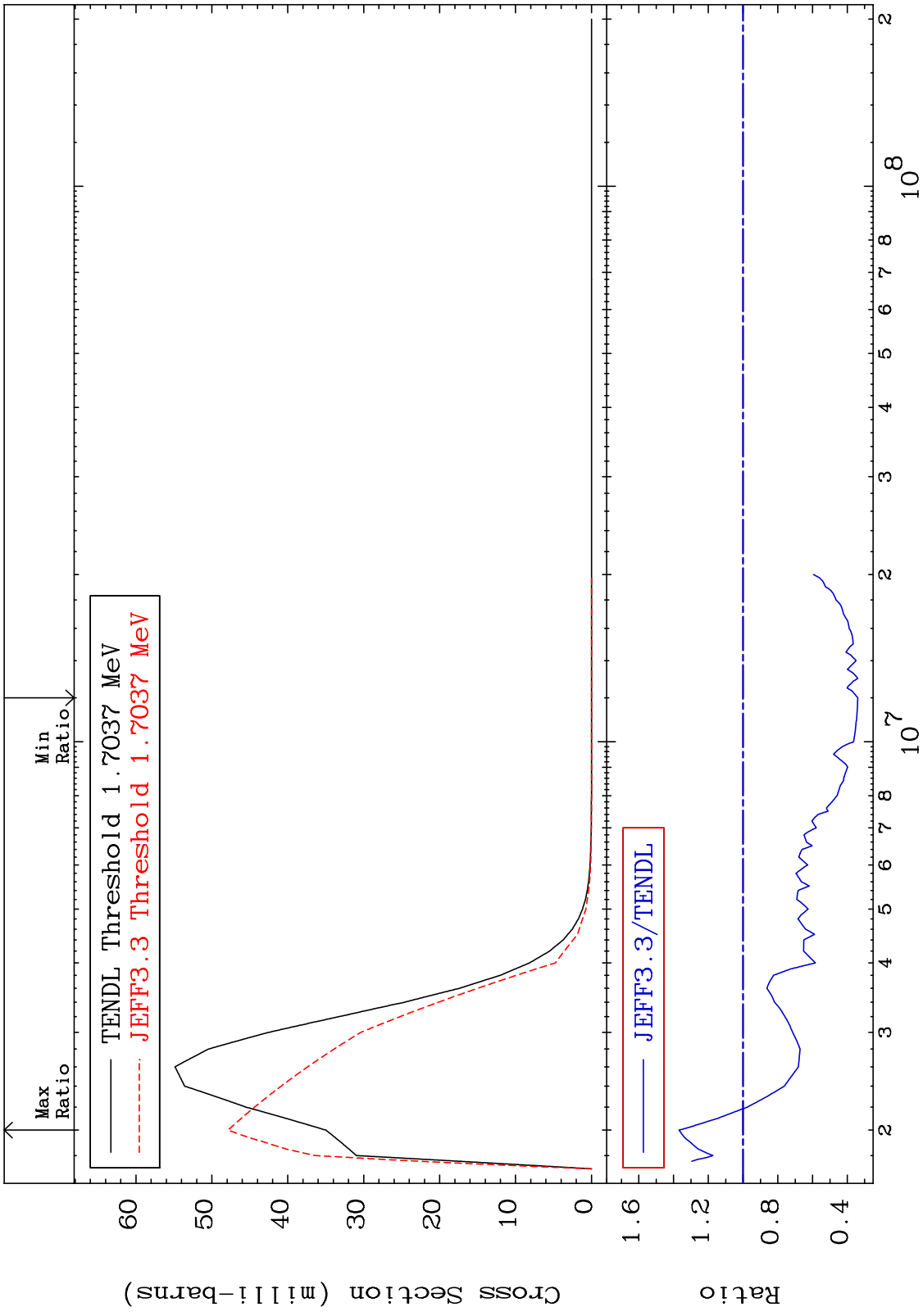
MAT 6425 MT= 67 (n,n') Level Cross Section 64-Gd-152
 -65.14 To 270.7 %



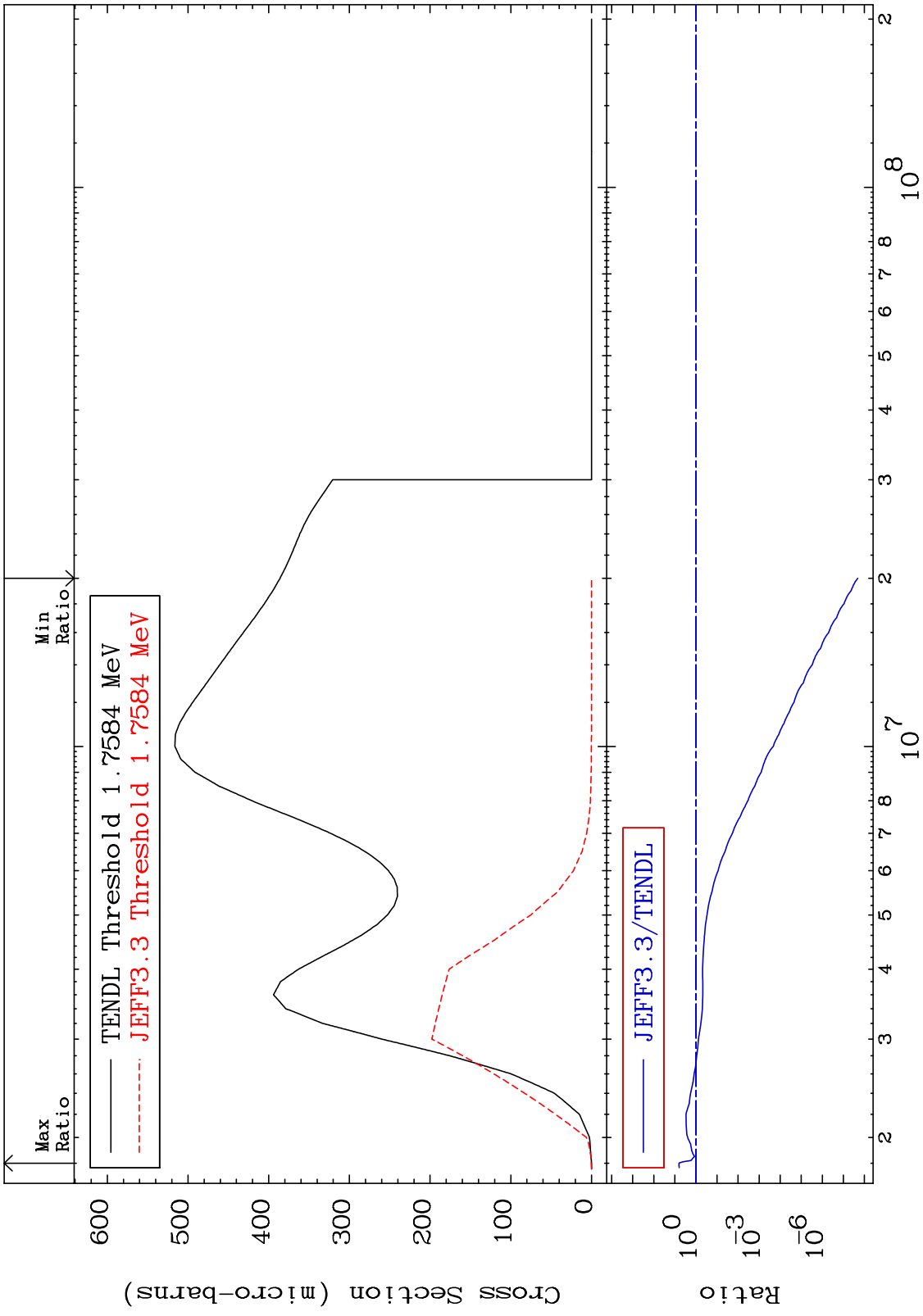
MAT 6425 MT= 68 (n,n') Level Cross Section 64-Gd-152
 -100.0 To 65.34 %



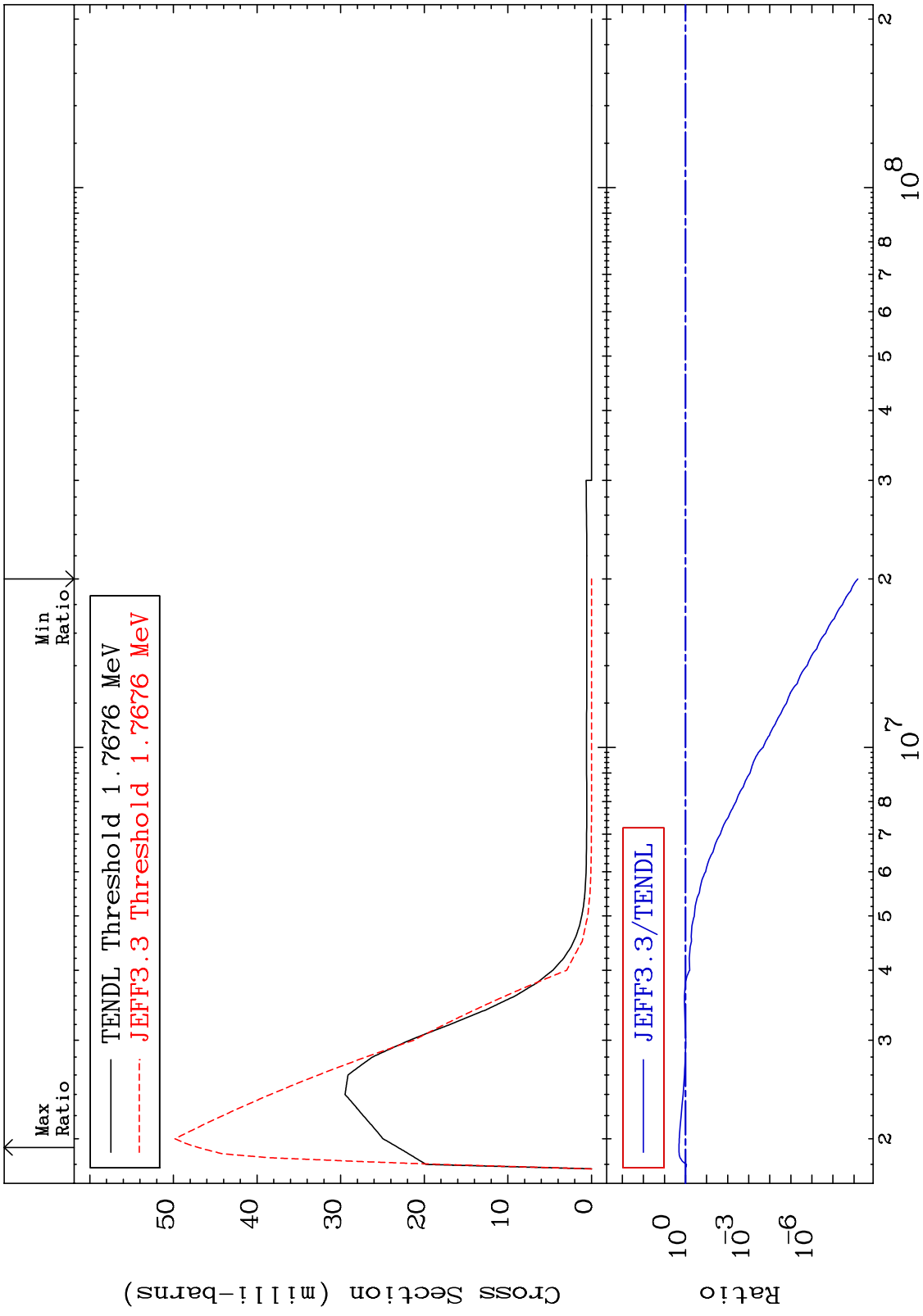
MAT 6425 MT= 69 (n,n') Level Cross Section 64-Gd-152
 -66.07 To 36.86 %



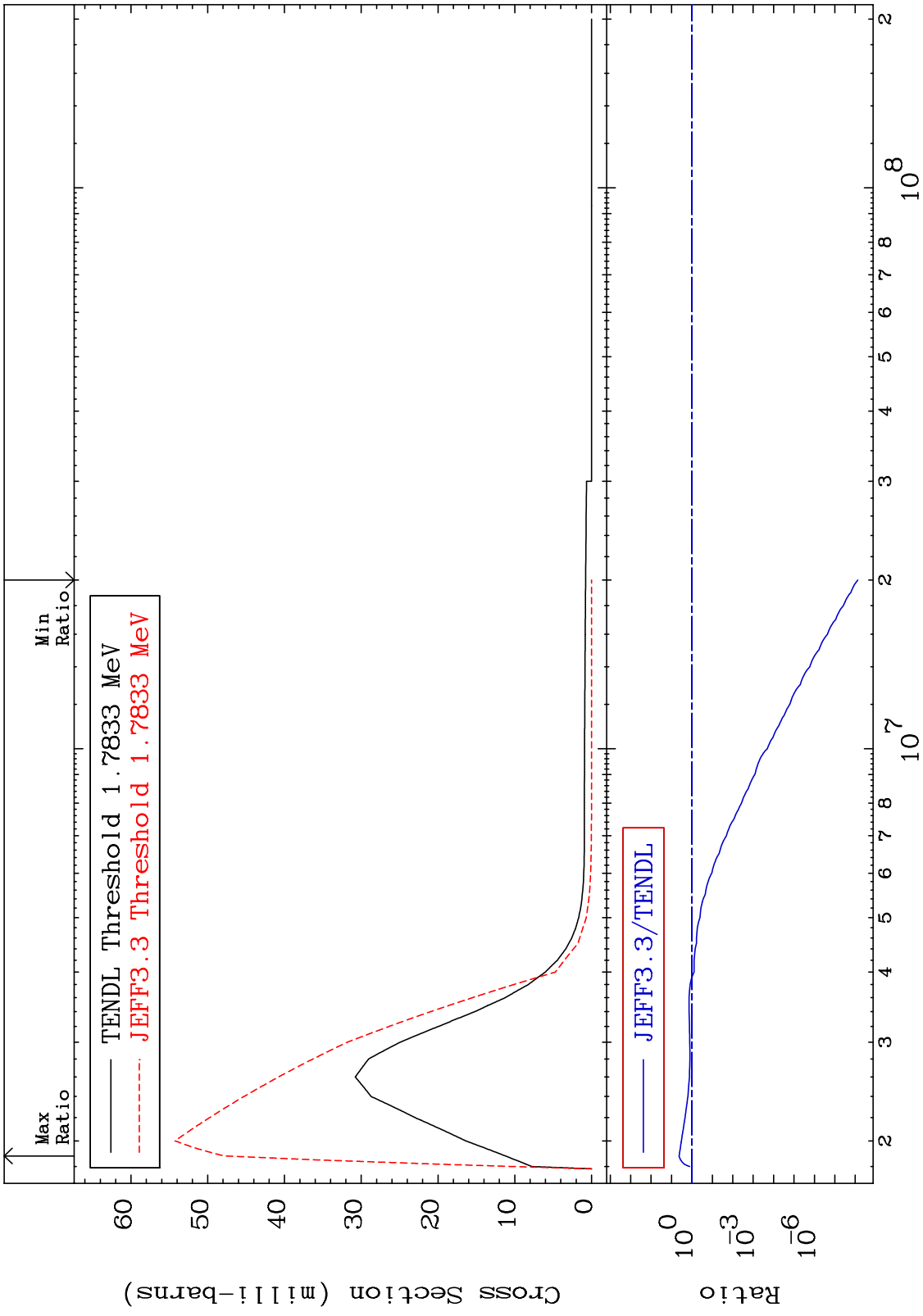
MAT 6425 MT= 70 (n,n') Level Cross Section 64-Gd-152
 -100.0 To 533.1 %



MAT 6425 MT= 71 (n,n') Level Cross Section 64-Gd-152
 -100.0 To 103.3 %



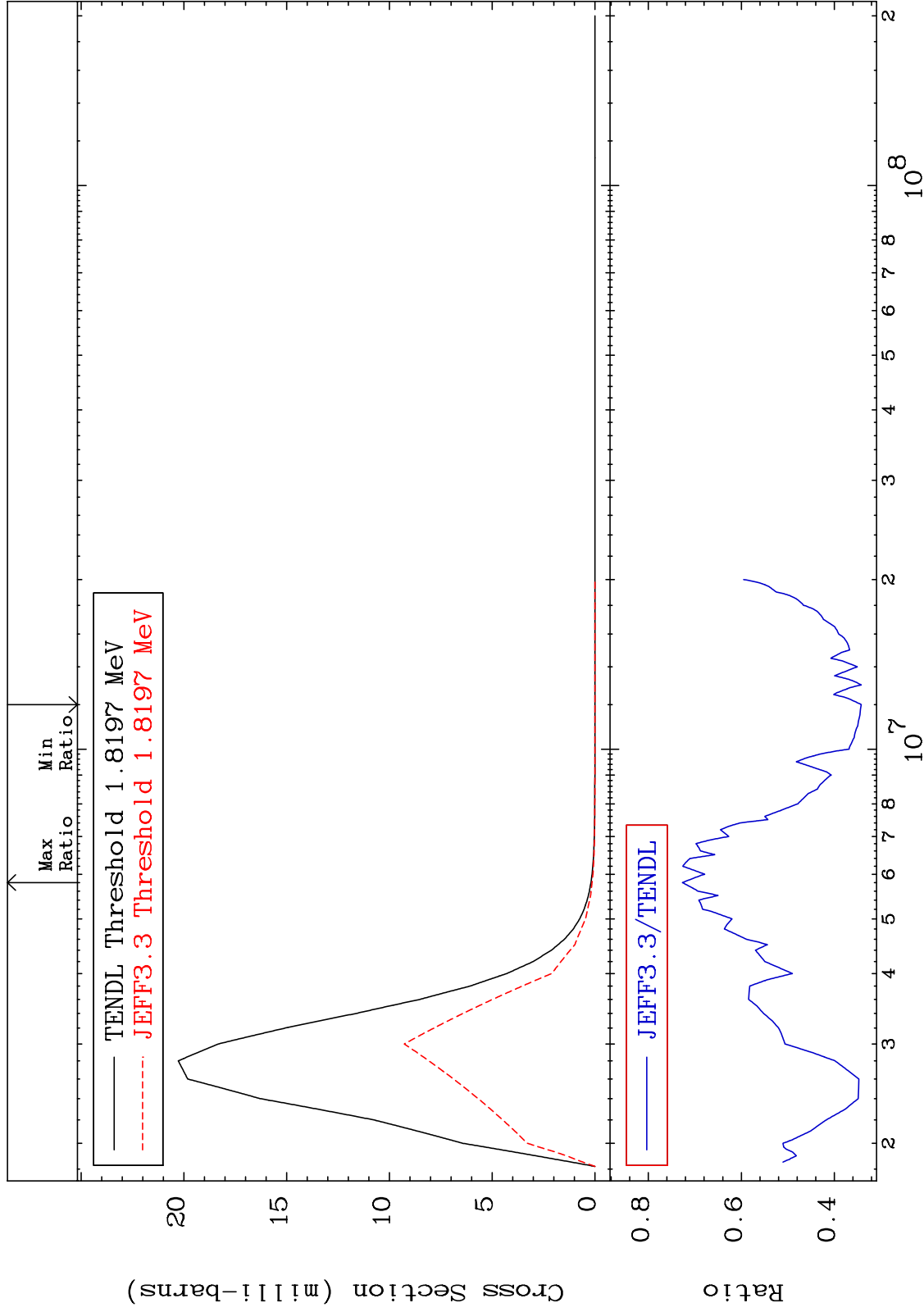
MAT 6425 MT= 72 (n,n') Level Cross Section 64-Gd-152
 -100.0 To 326.6 %



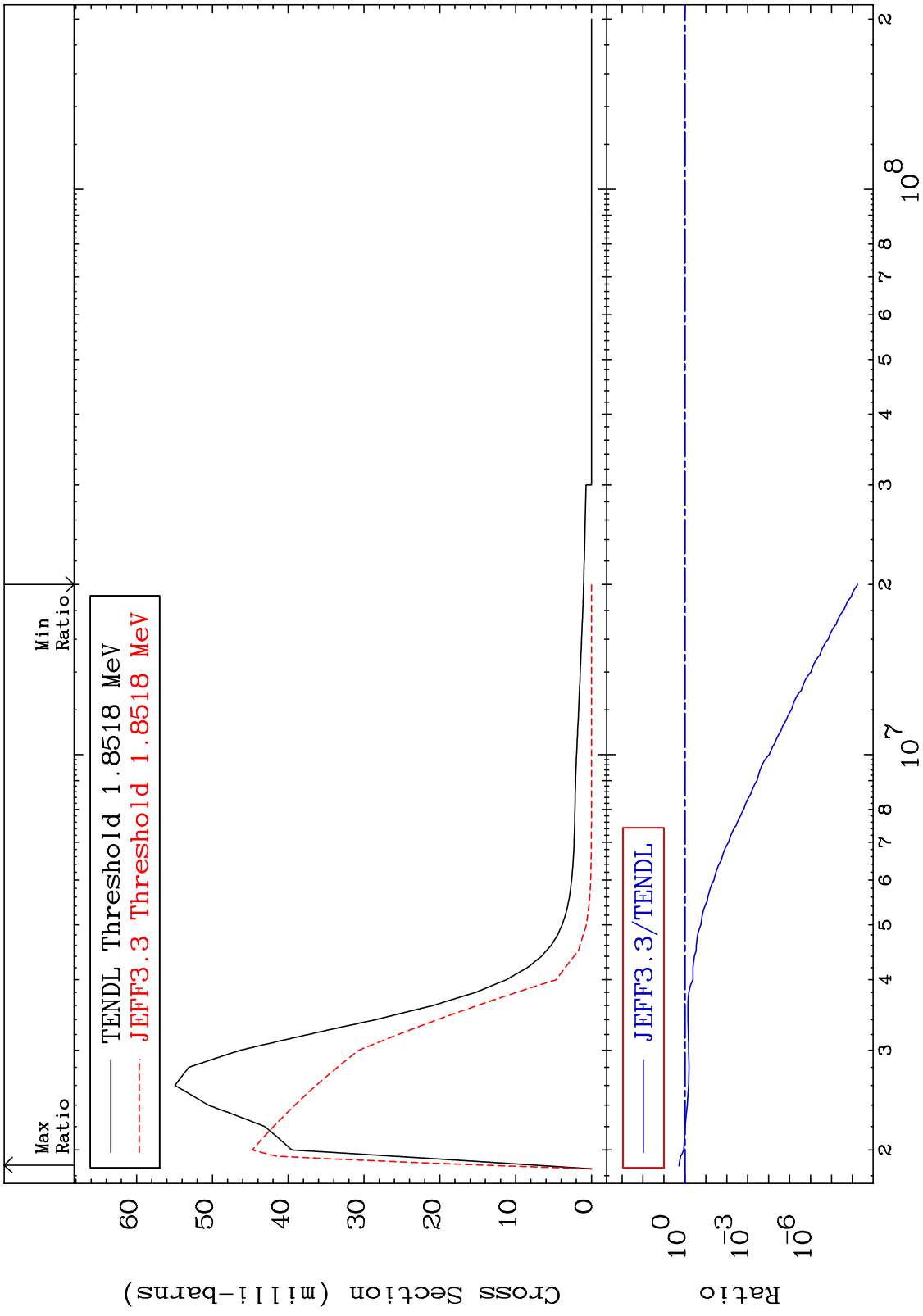
MAT 6425

MT= 73 (n,n') Level
Cross Section

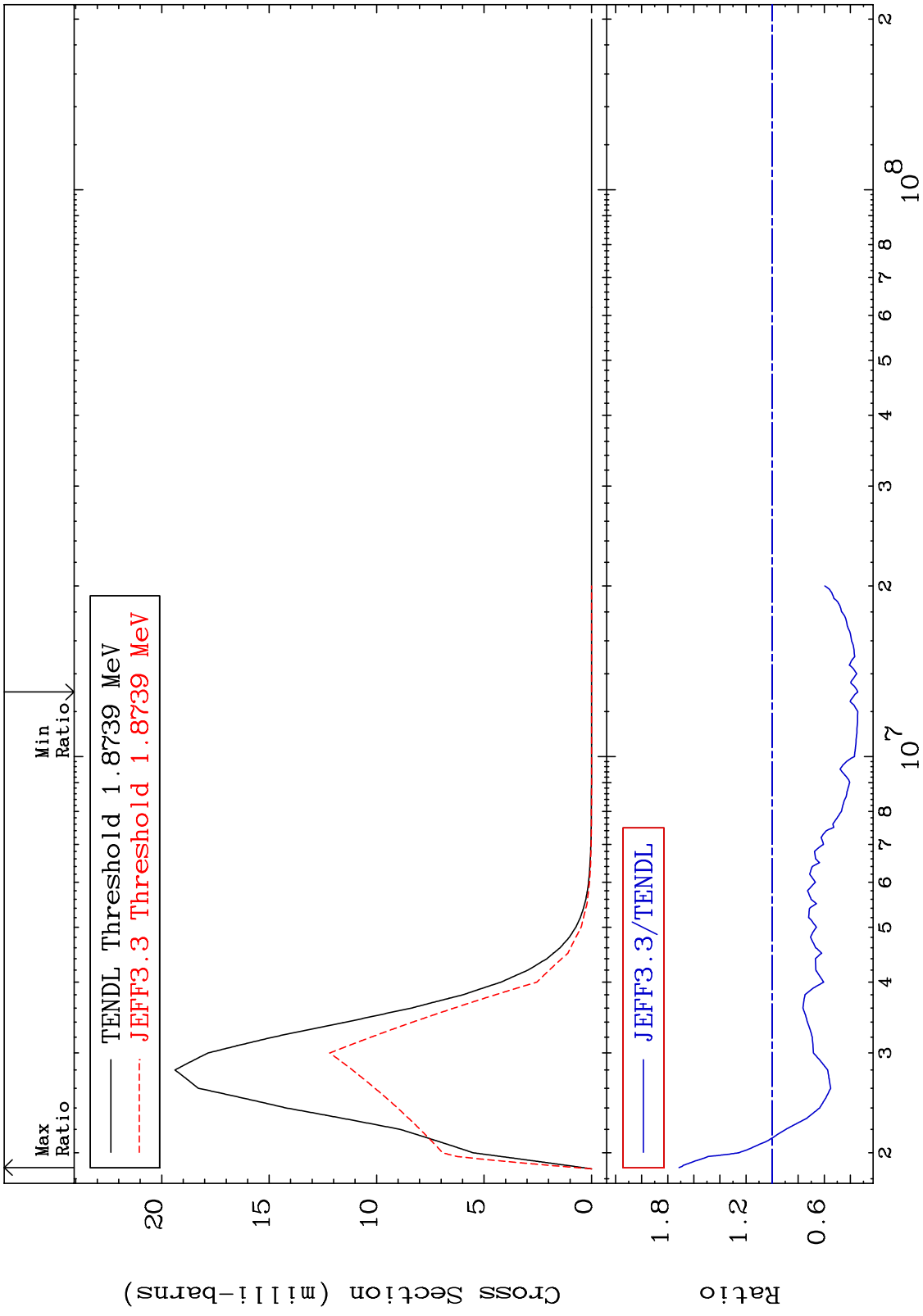
64-Gd-152
-65.78 To -27.34%



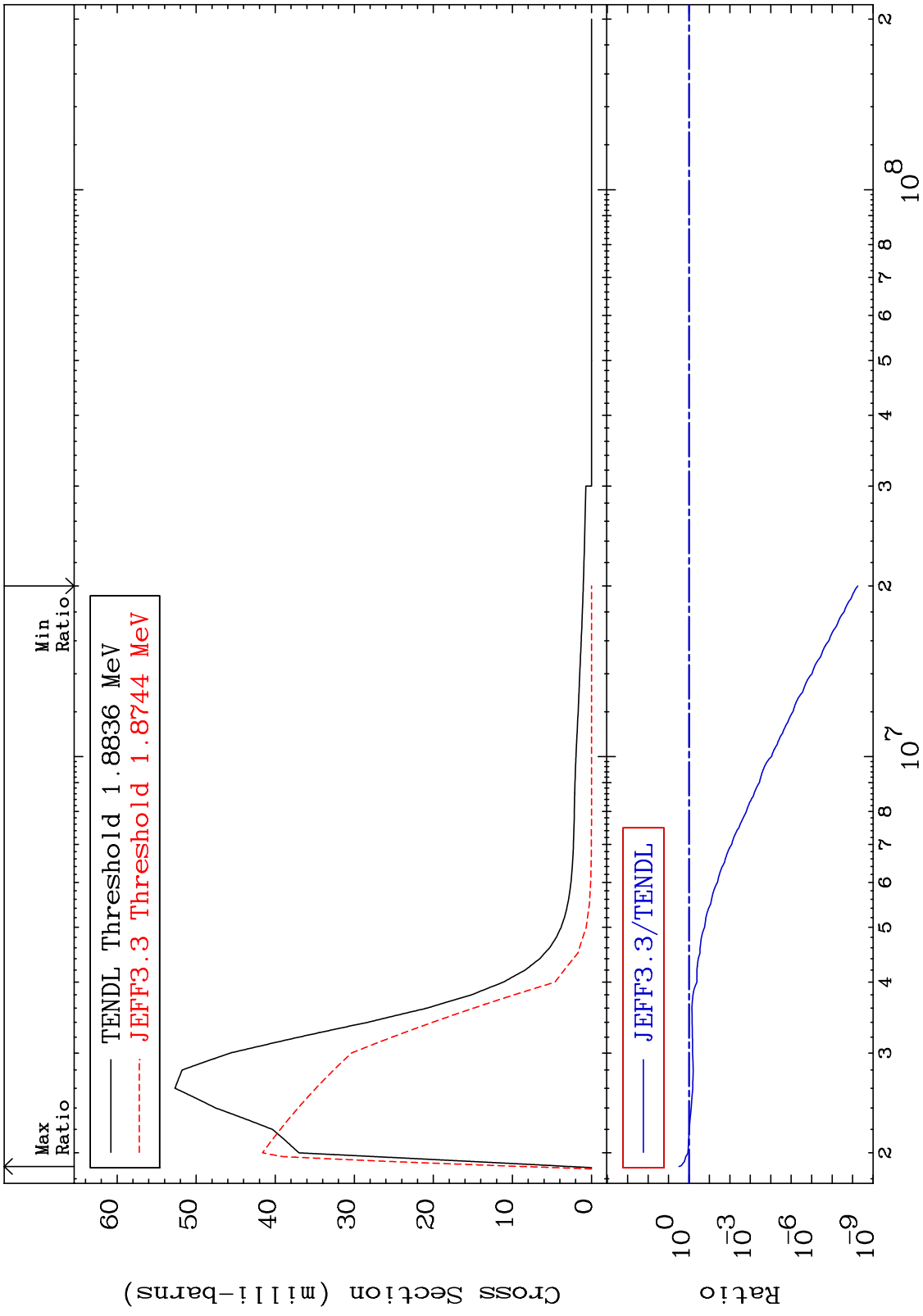
MAT 6425 MT= 74 (n,n') Level Cross Section 64-Gd-152
 -100.0 To 89.79 %



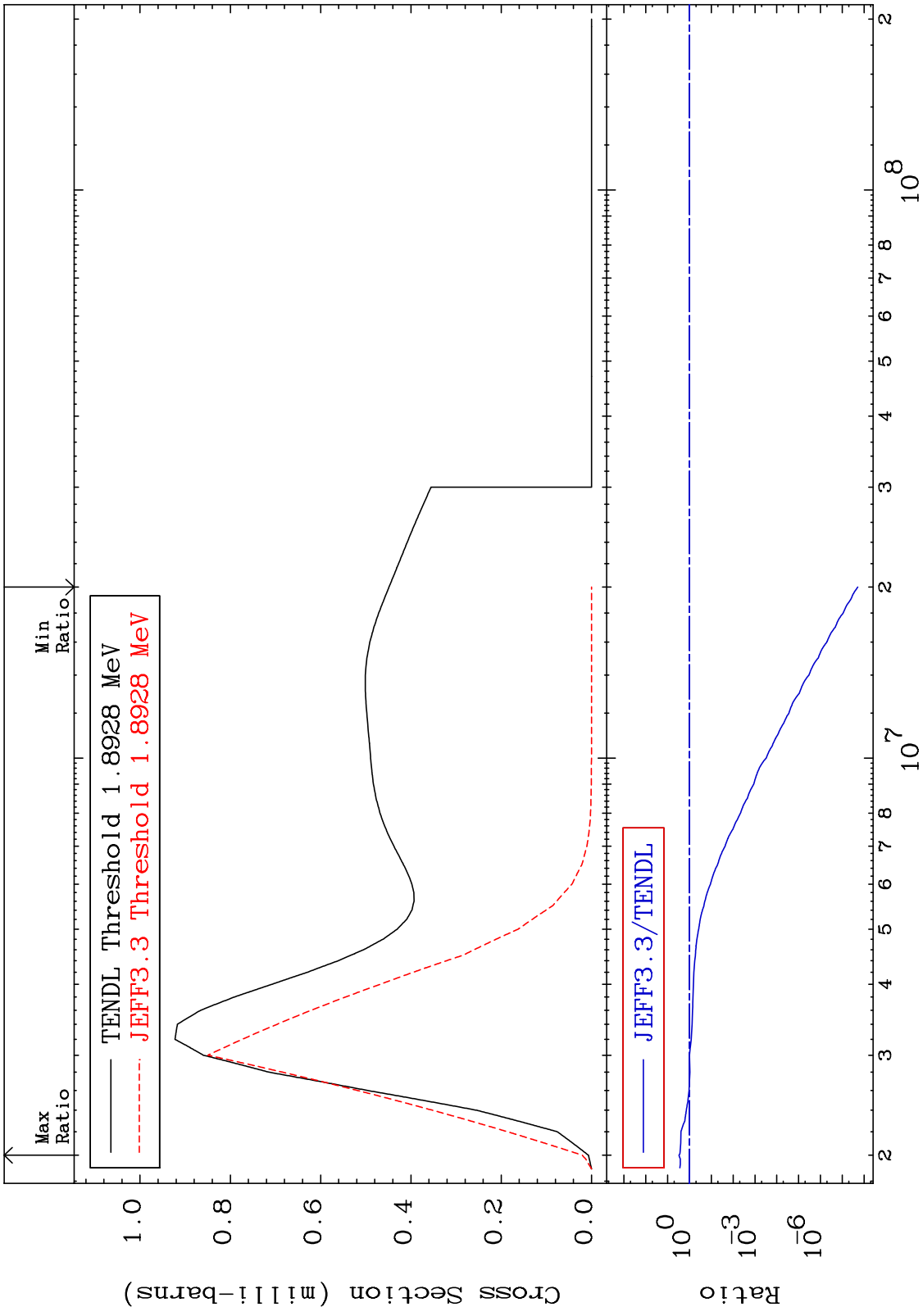
MAT 6425 MT= 75 (n,n') Level Cross Section 64-Gd-152
 -65.75 To 71.35 %



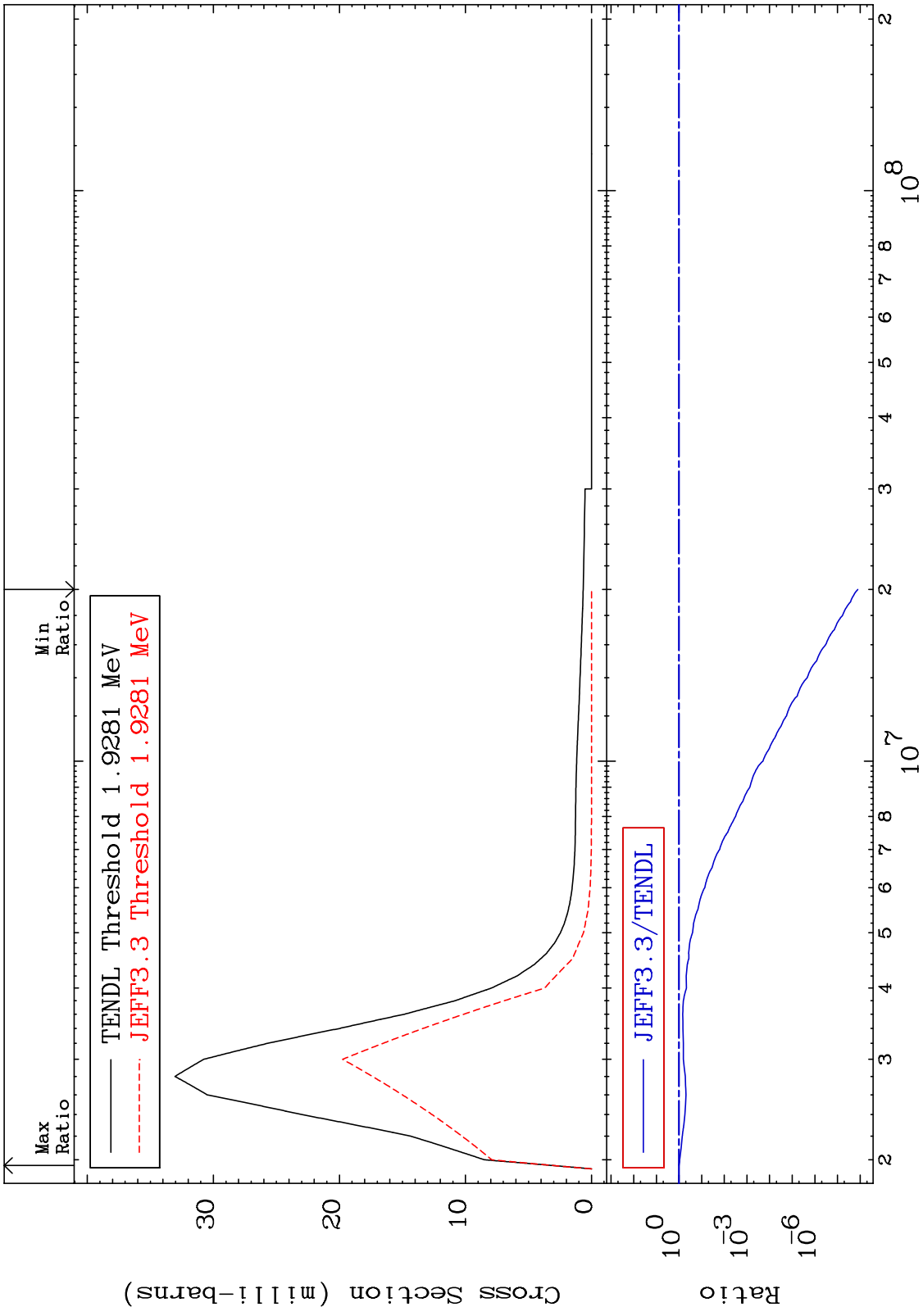
MAT 6425 MT= 76 (n,n') Level Cross Section 64-Gd-152
 -100.0 To 206.7 %



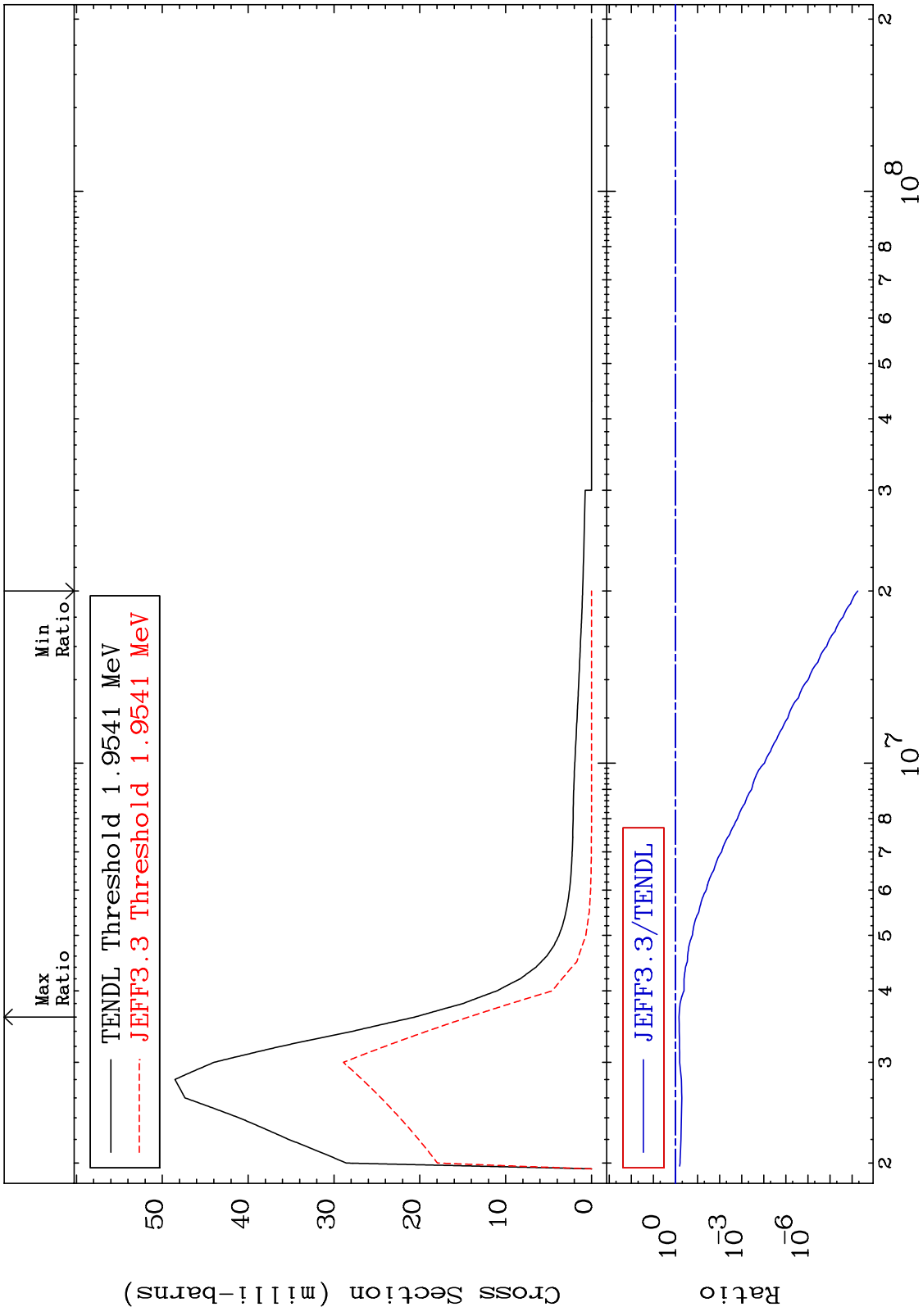
MAT 6425 MT= 77 (n,n') Level Cross Section 64-Gd-152
 -100.0 To 199.4 %



MAT 6425 MT= 78 (n,n') Level Cross Section 64-Gd-152 -100.0 To -0.443%

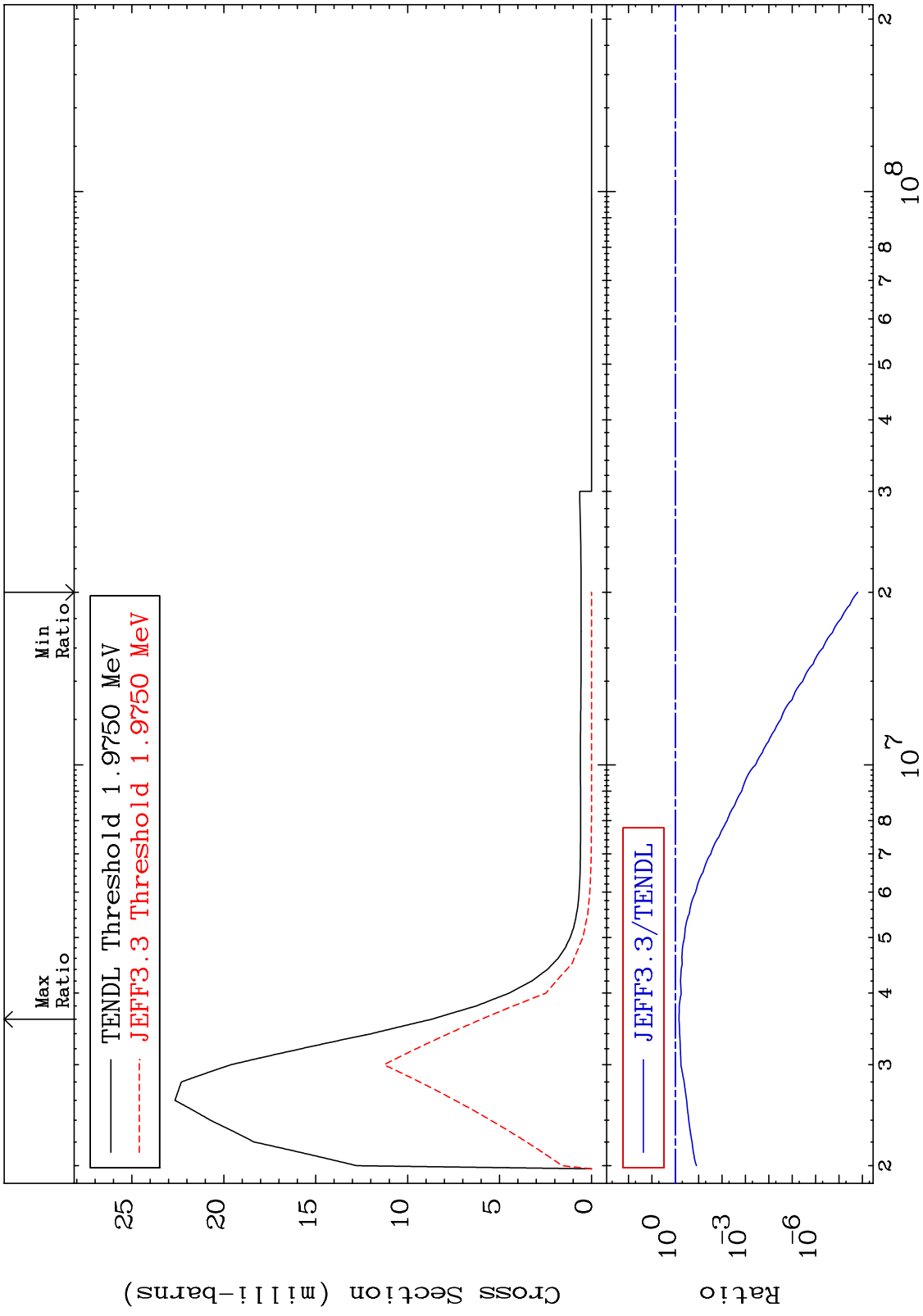


MAT 6425 MT= 79 (n,n') Level Cross Section 64-Gd-152 -100.0 To -30.42%

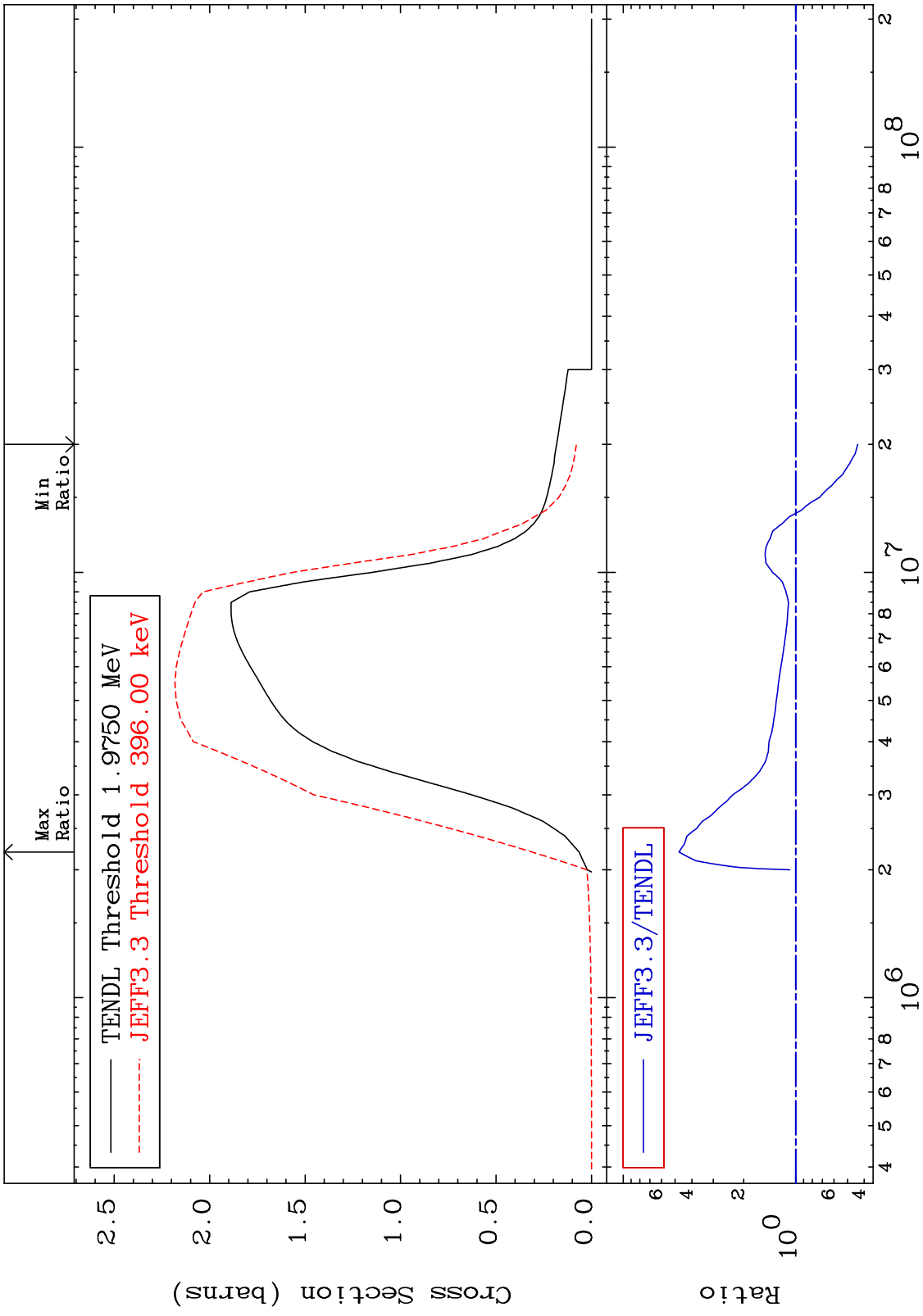


38 64-Gd-152 Incident Energy (eV)

MAT 6425 MT= 80 (n,n') Level Cross Section 64-Gd-152 -100.0 To -31.14%



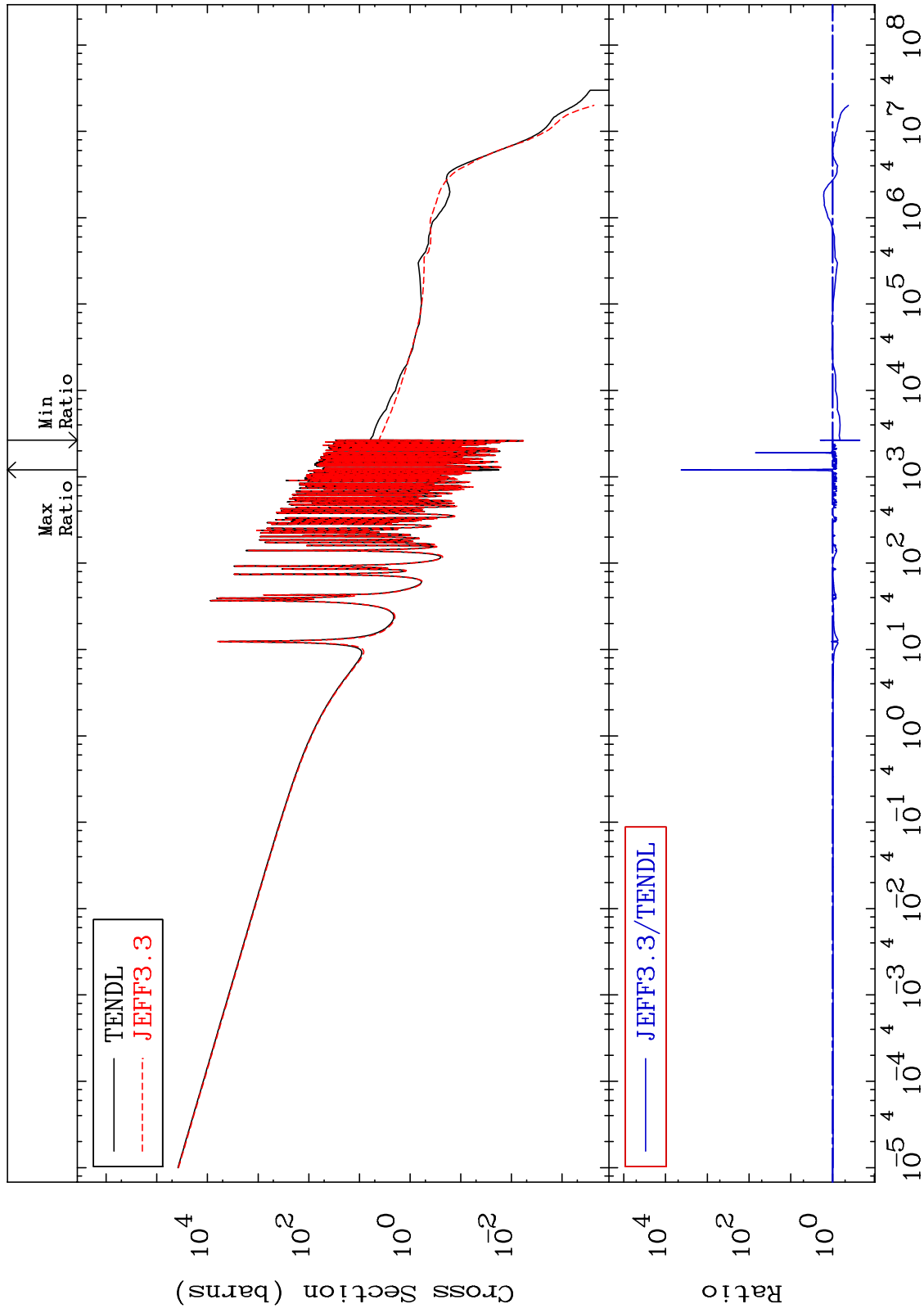
MAT 6425 (n,n') Continuum Cross Section 64-Gd-152 -56.45 To 374.6 %



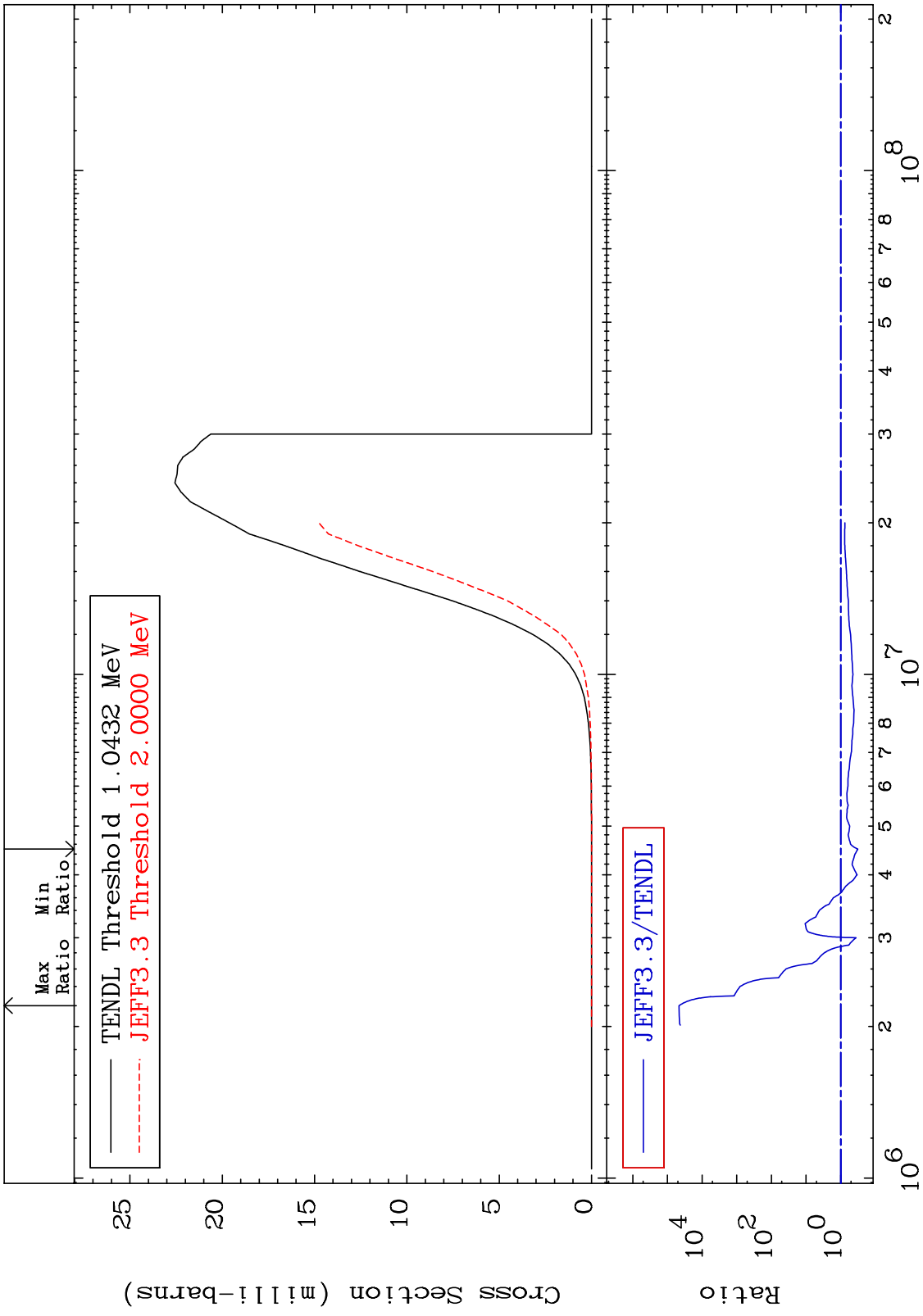
MAT 6425

(n, γ)
Cross Section

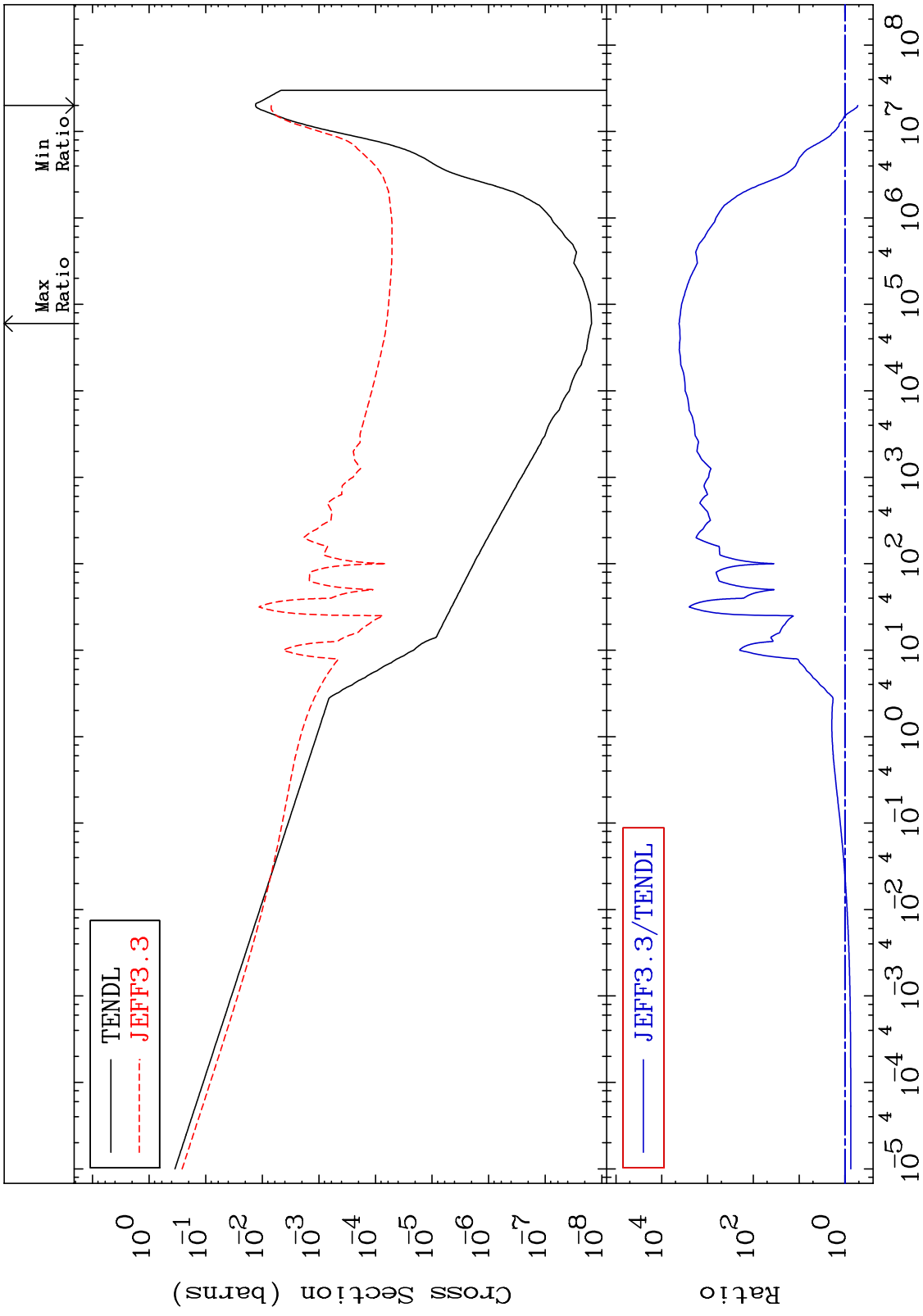
64-Gd-152
-77.63 To 9999. %



MAT 6425 (n,p) Cross Section 64-Gd-152
 -68.01 To 9999. %



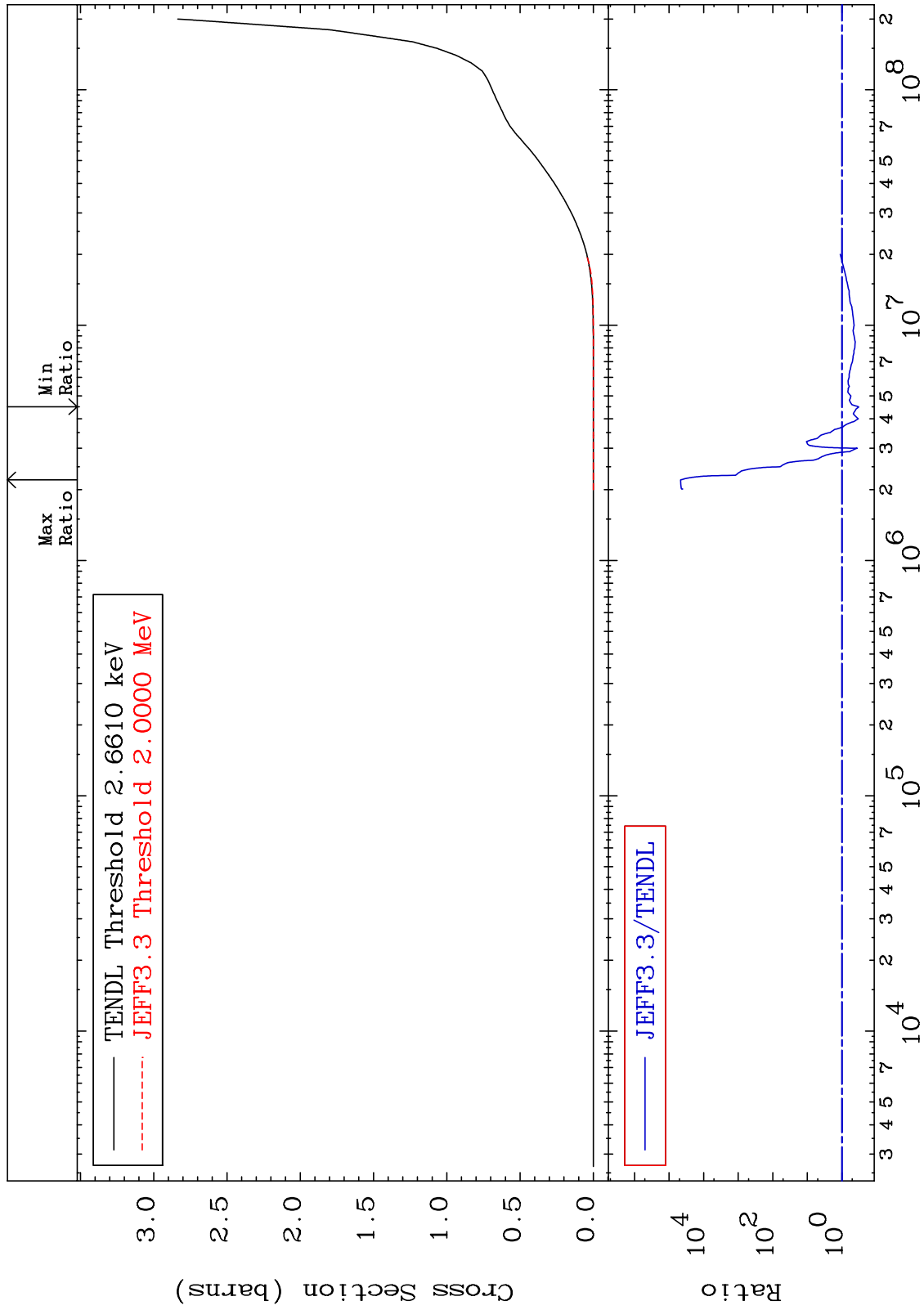
MAT 6425 64-Gd-152
 (n, α) -47.55 To 9999. %
 Cross Section



MAT 6425

Hydrogen Production
Cross Section

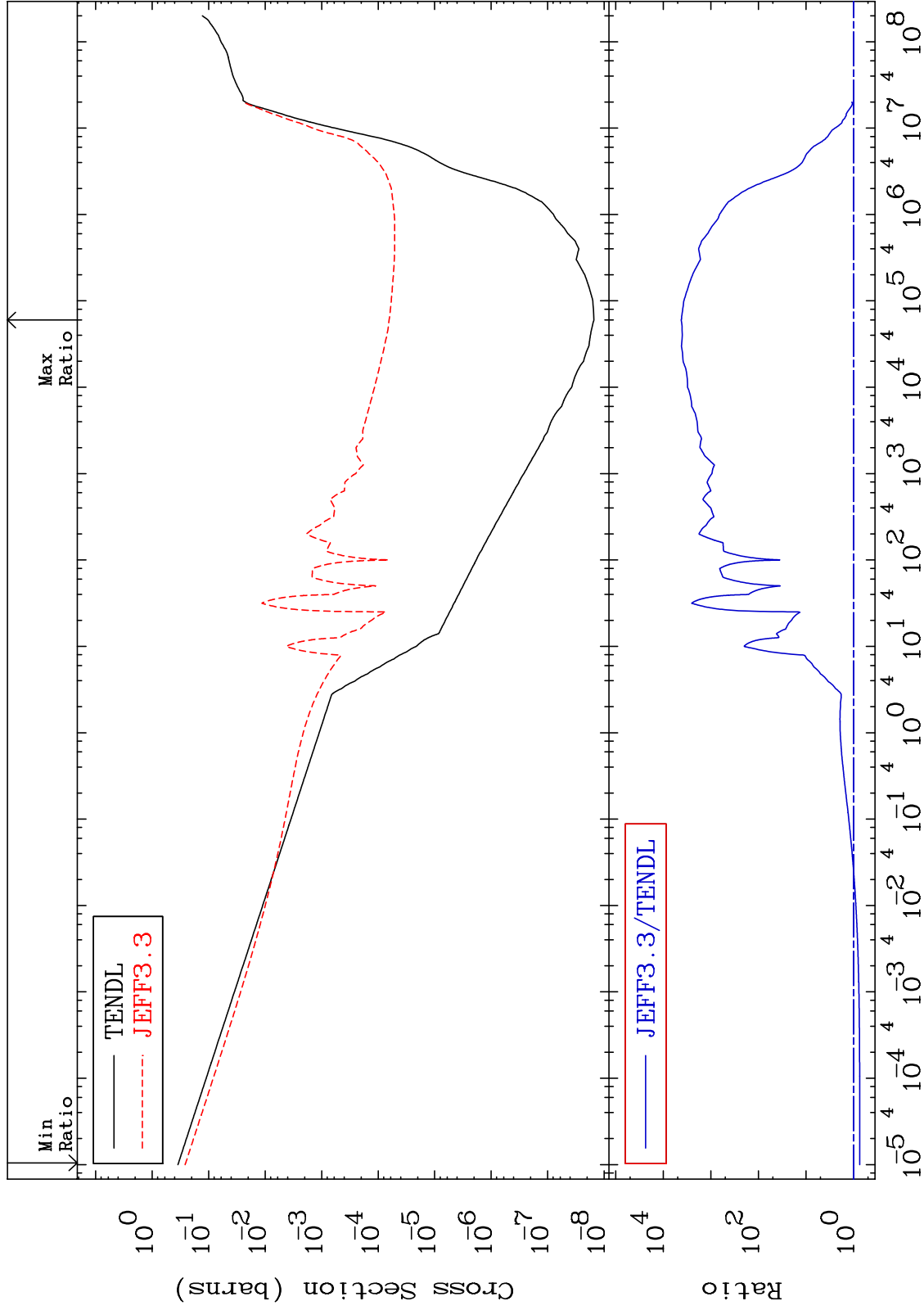
64-Gd-152
-68.01 To 9999. %



MAT 6425

He-4 Production
Cross Section

64-Gd-152
-25.39 To 9999. %

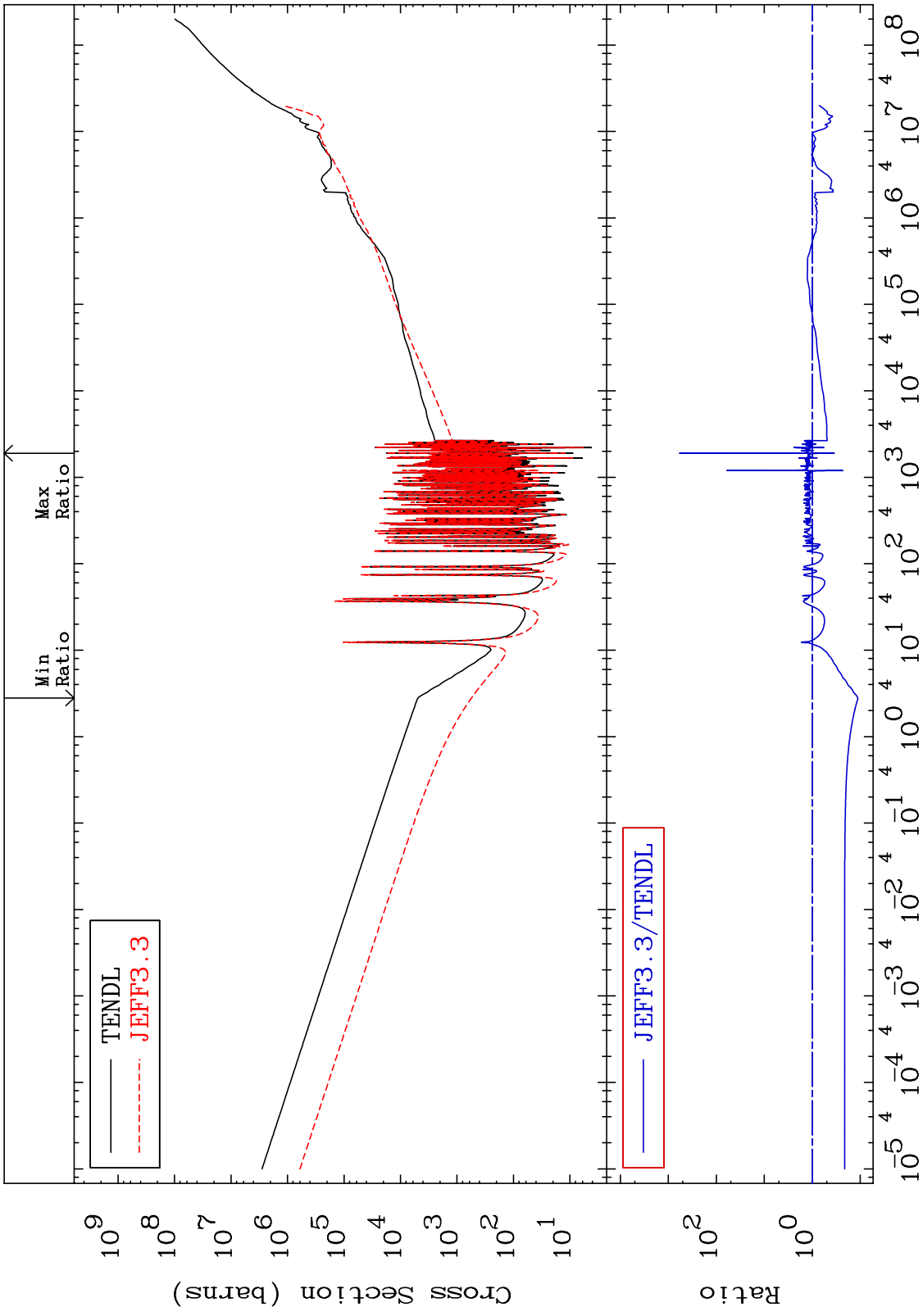


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Incident Energy (eV)

64-Gd-152

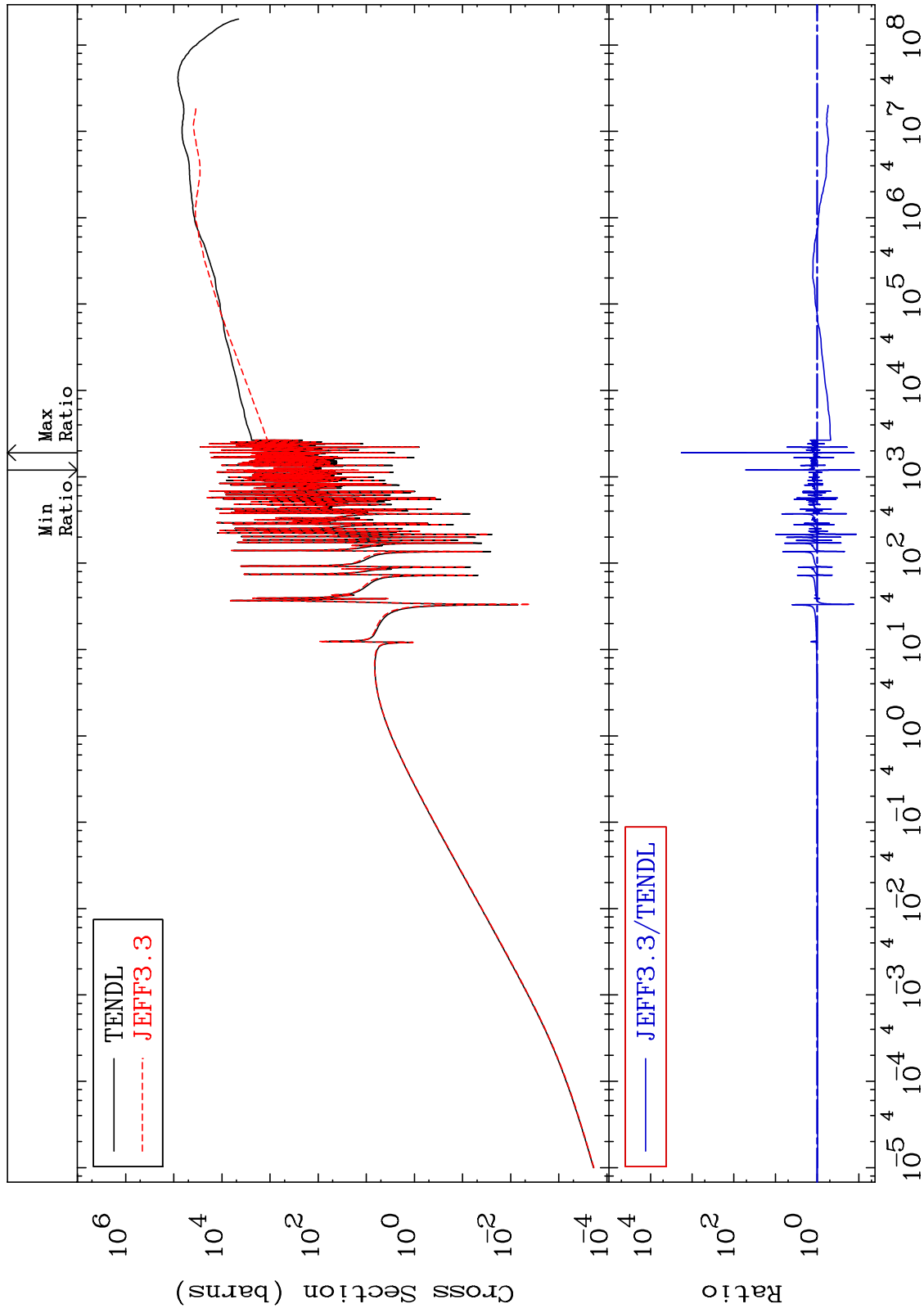
MAT 6425 Kerma total (eV-barns) 64-Gd-152
 Cross Section -88.74 To 9999. %



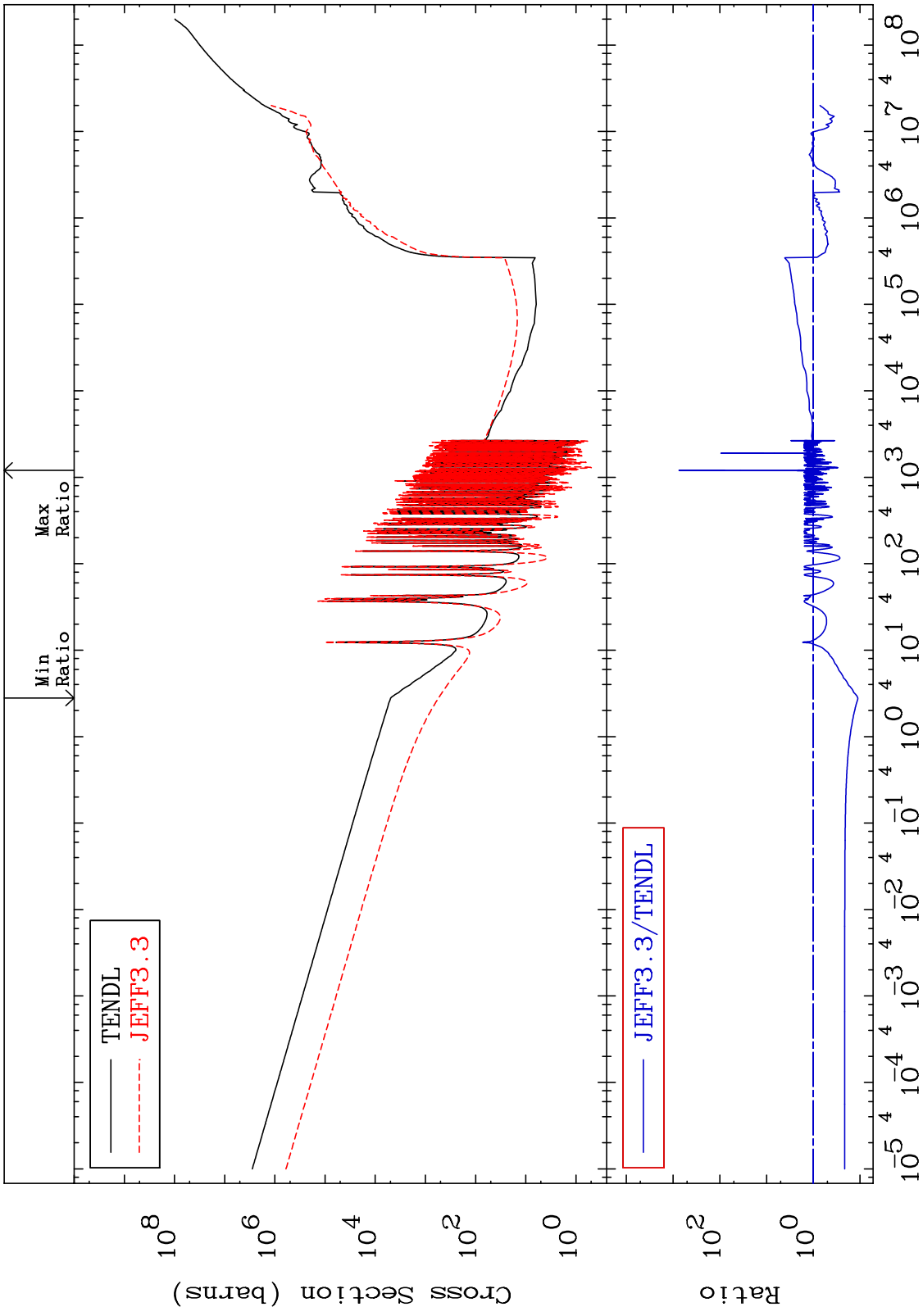
MAT 6425

Kerma elastic
Cross Section

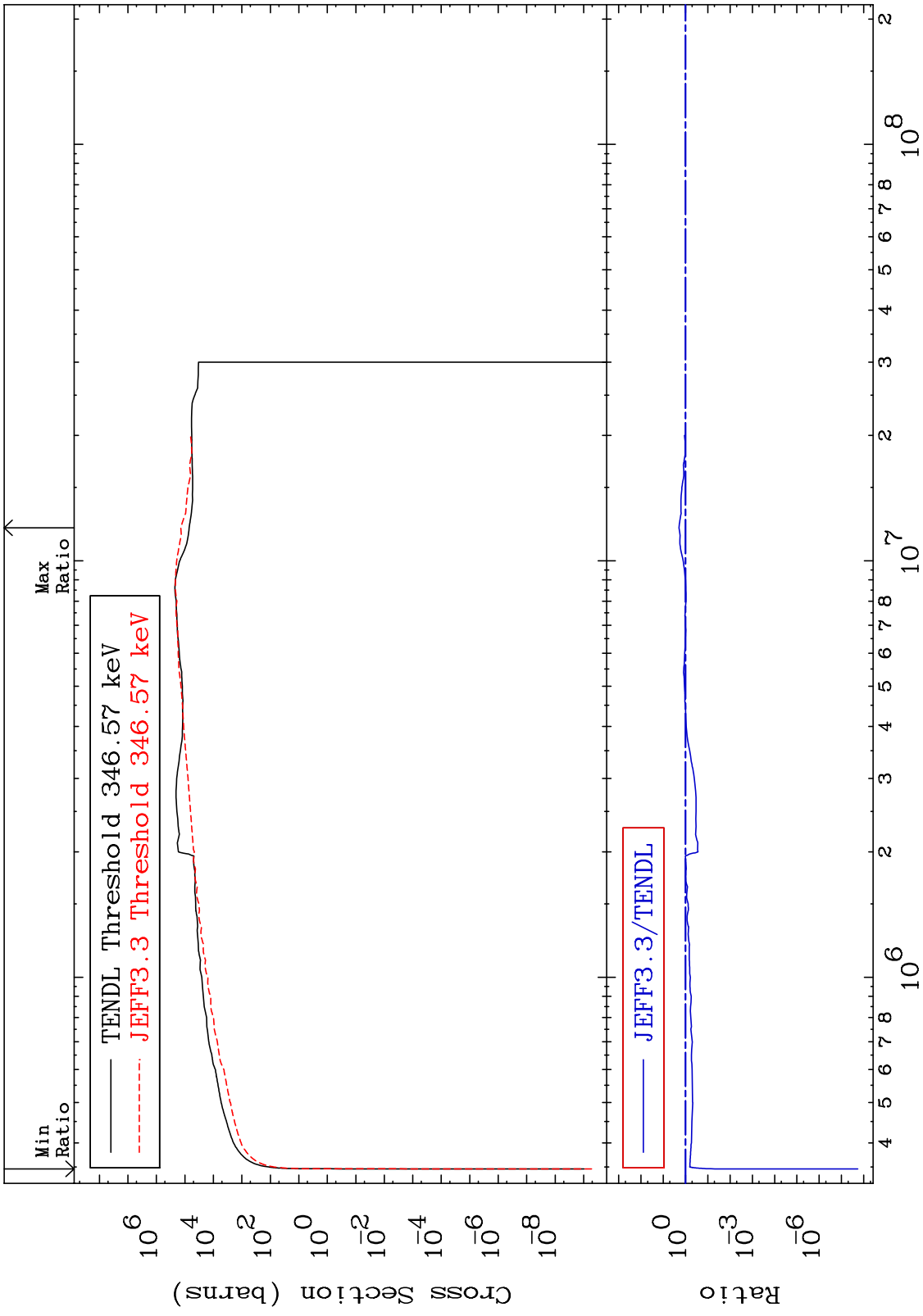
64-Gd-152
-90.47 To 9999. %



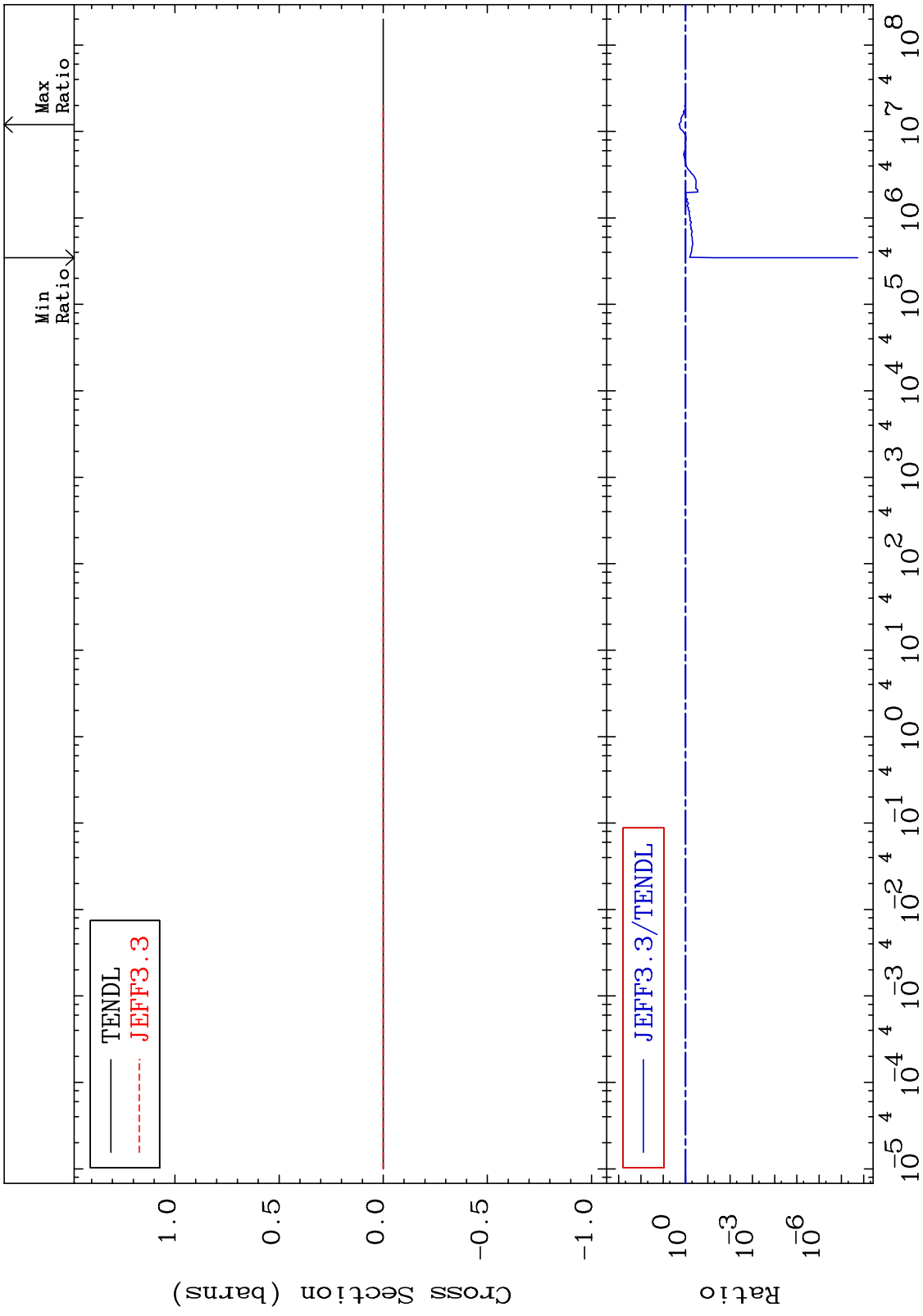
MAT 6425 Kerma non-elastic (all but mt.2) 64-Gd-152
 -88.84 To 9999. %
 Cross Section



MAT 6425 Kerma inelastic (mt51-91) 64-Gd-152
 -100.0 To 94.39 %

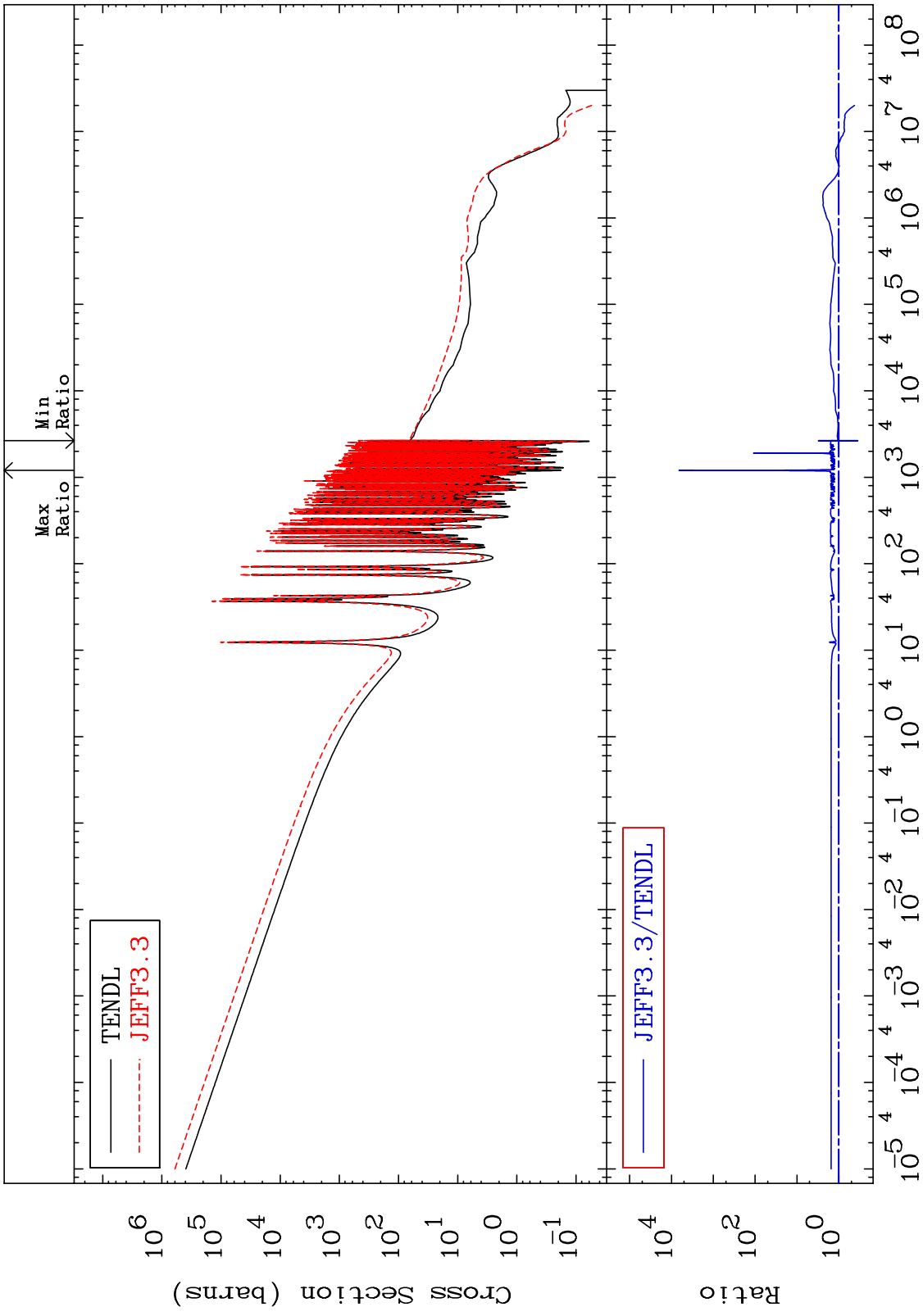


MAT 6425 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-152
 Cross Section -100.0 To 94.39 %

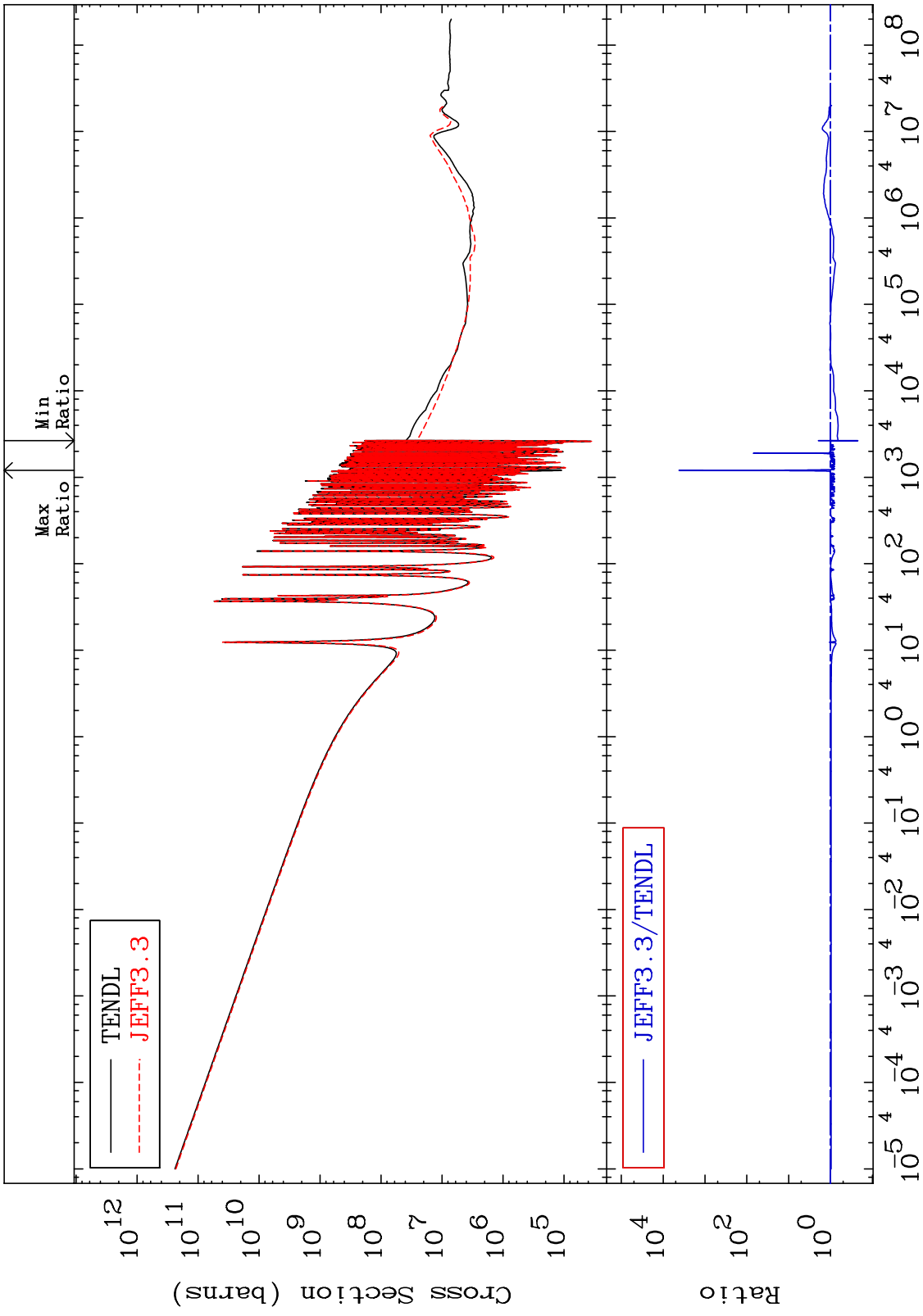


50 Incident Energy (eV) 64-Gd-152

MAT 6425 Kerma capture (mt102) 64-Gd-152
 Cross Section -64.89 To 9999. %

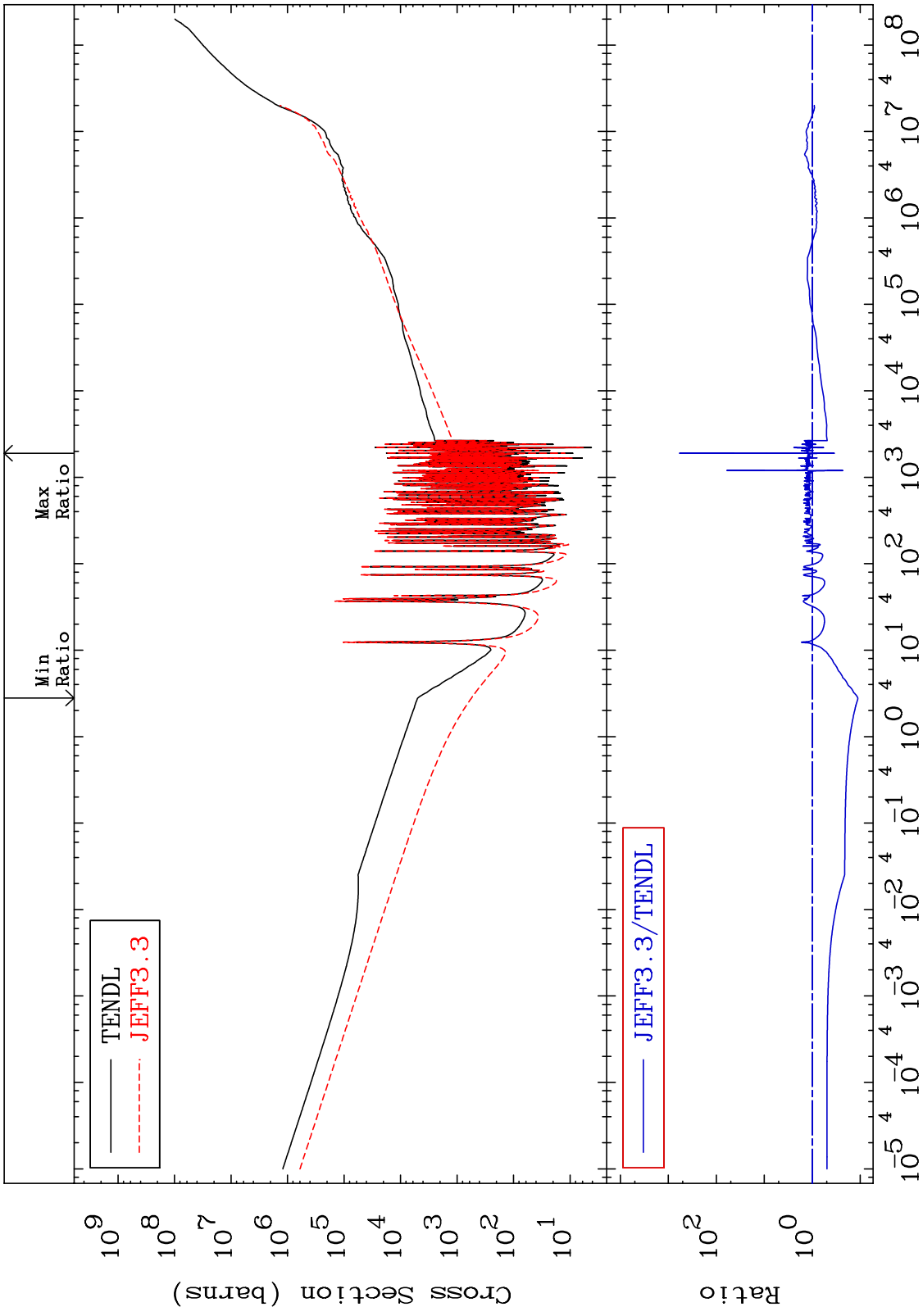


MAT 6425 64-Gd-152
-77.75 To 9999. %
 Total photon (eV-barns)
 Cross Section

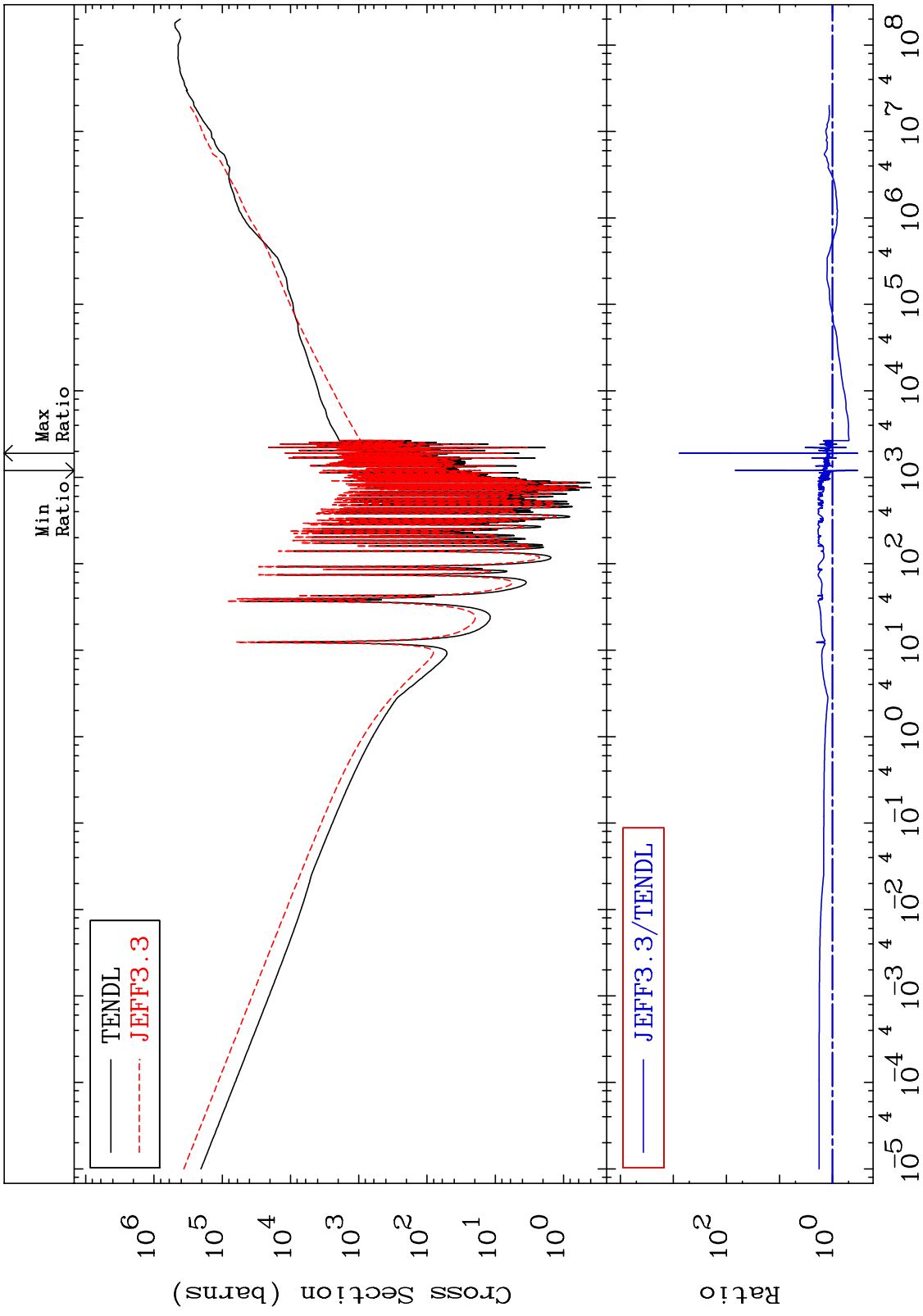


52 64-Gd-152

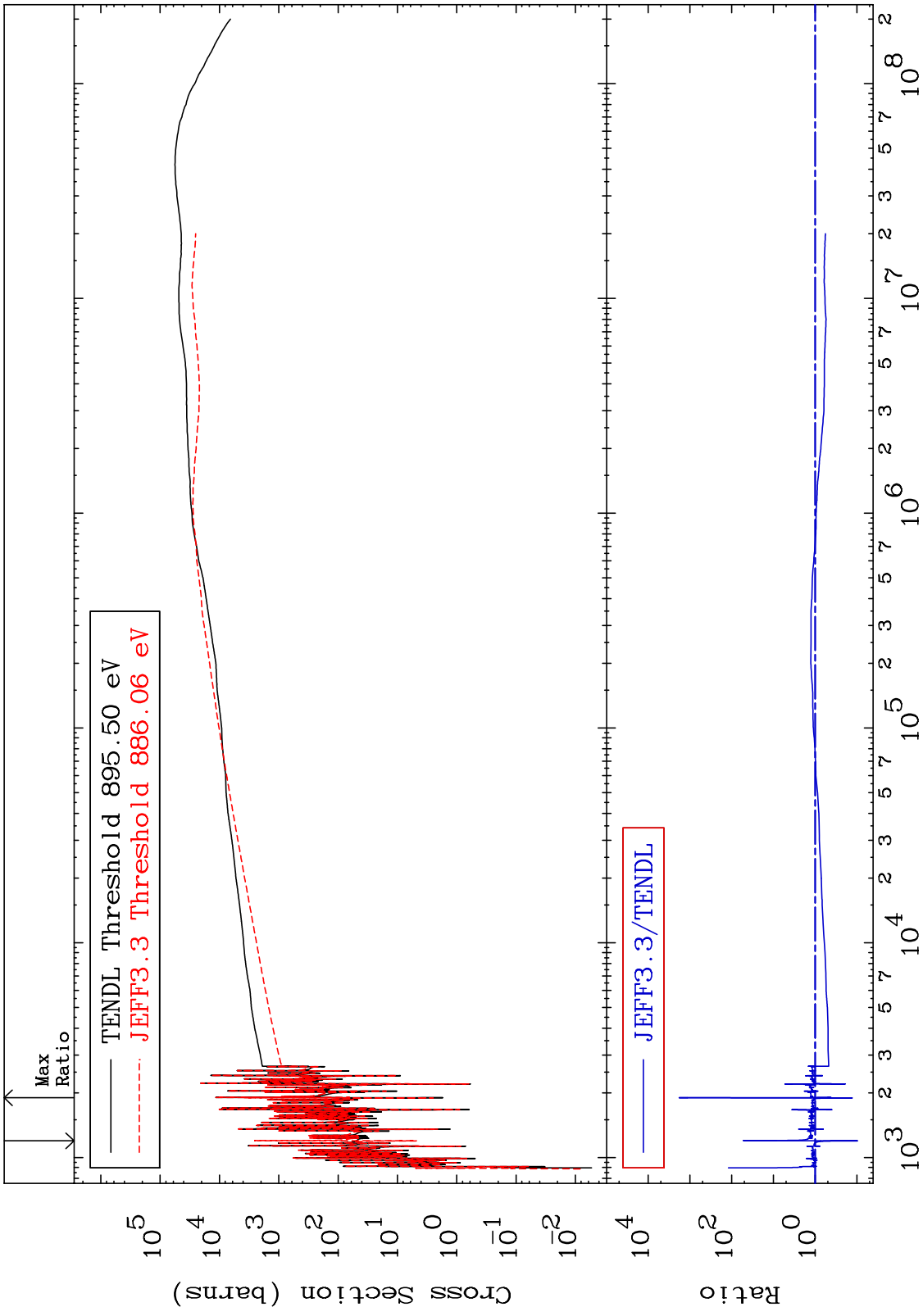
MAT 6425 Total kinematic kerma (high limit) 64-Gd-152
 Cross Section -88.79 To 9999. %



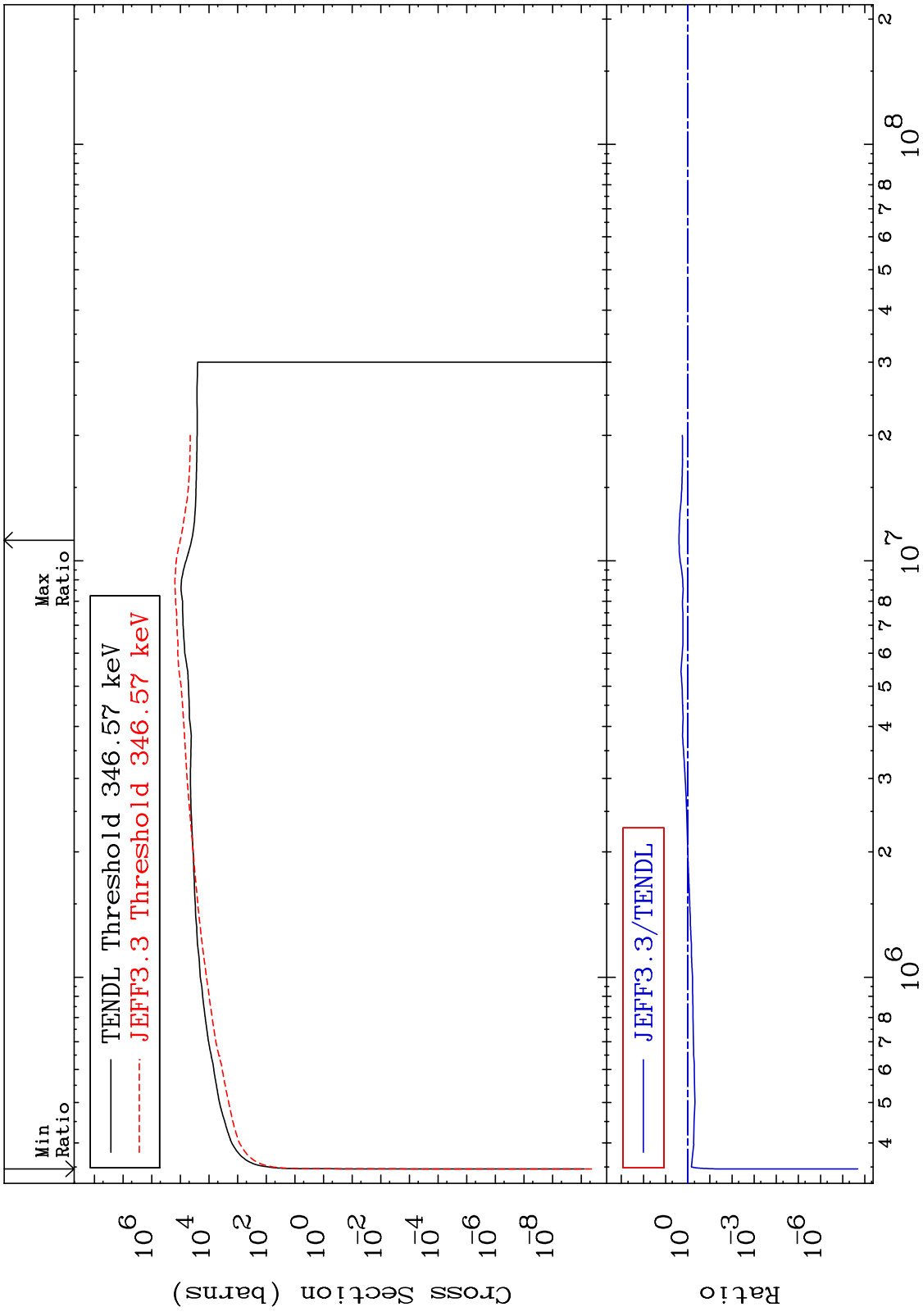
MAT 6425 Dpa total (eV-barns) 64-Gd-152
 Cross Section -66.66 To 9999. %



MAT 6425 Dpa elastic (mt2) 64-Gd-152
 Cross Section -90.49 To 9999. %



MAT 6425 Dpa inelastic (mt51-91) 64-Gd-152
 Cross Section -100.0 To 146.8 %



MAT 6425

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-152
-58.23 To 9999. %

