

Program Complot
(Version 2018-1)

by

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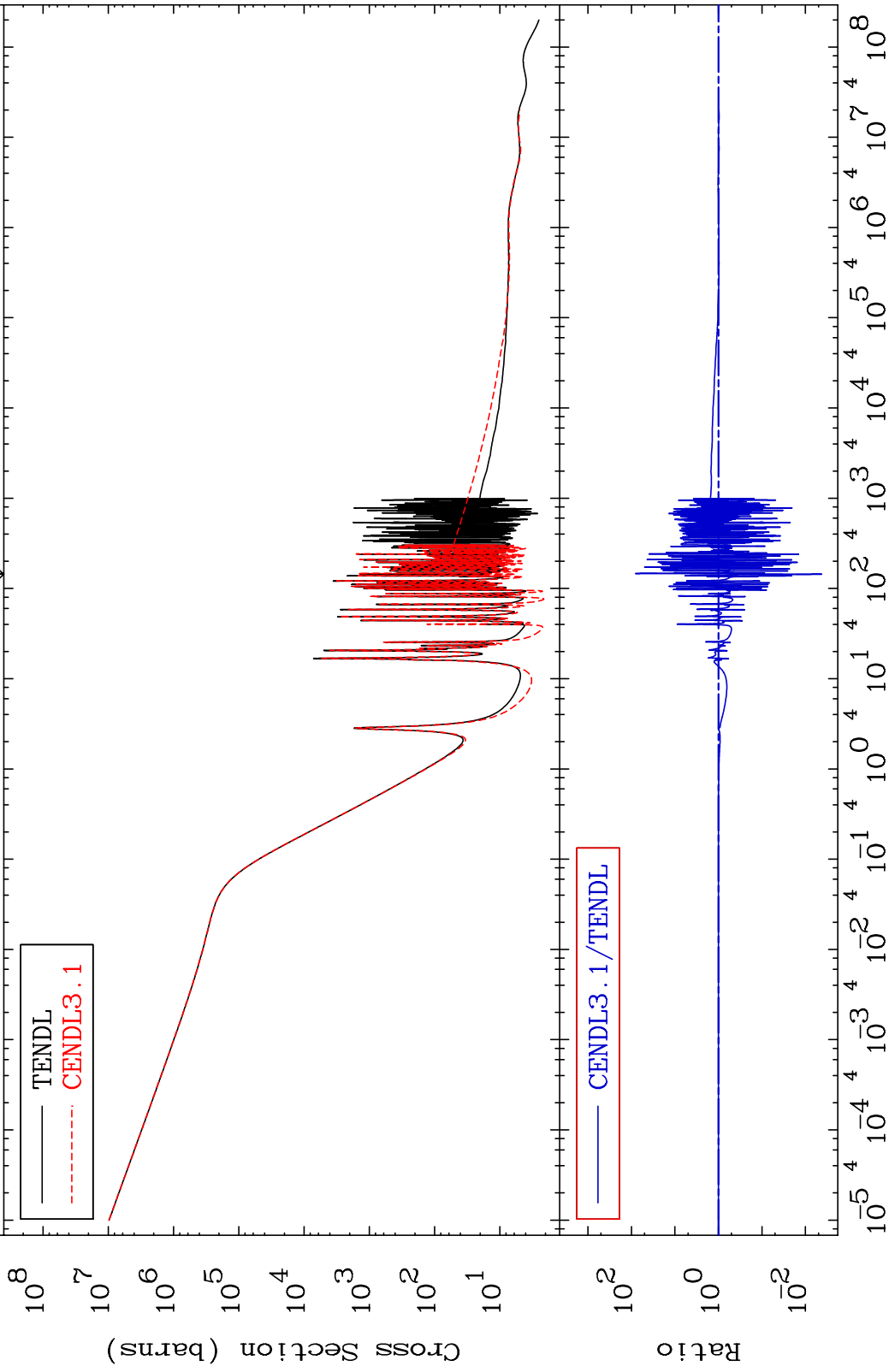
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6440 64-Gd-157 -99.58 To 8064. %

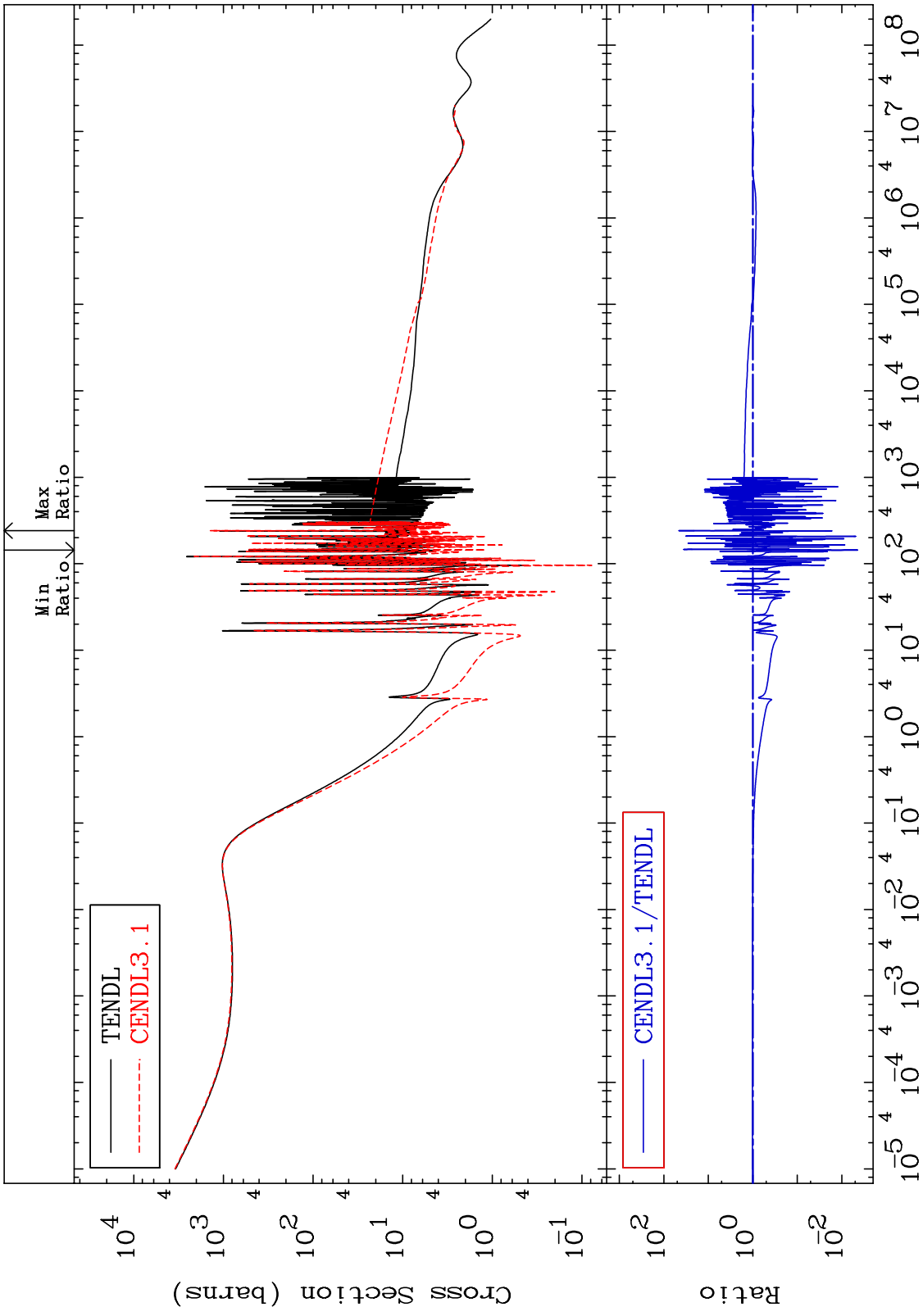
Total Cross Section

Min Ratio Max Ratio



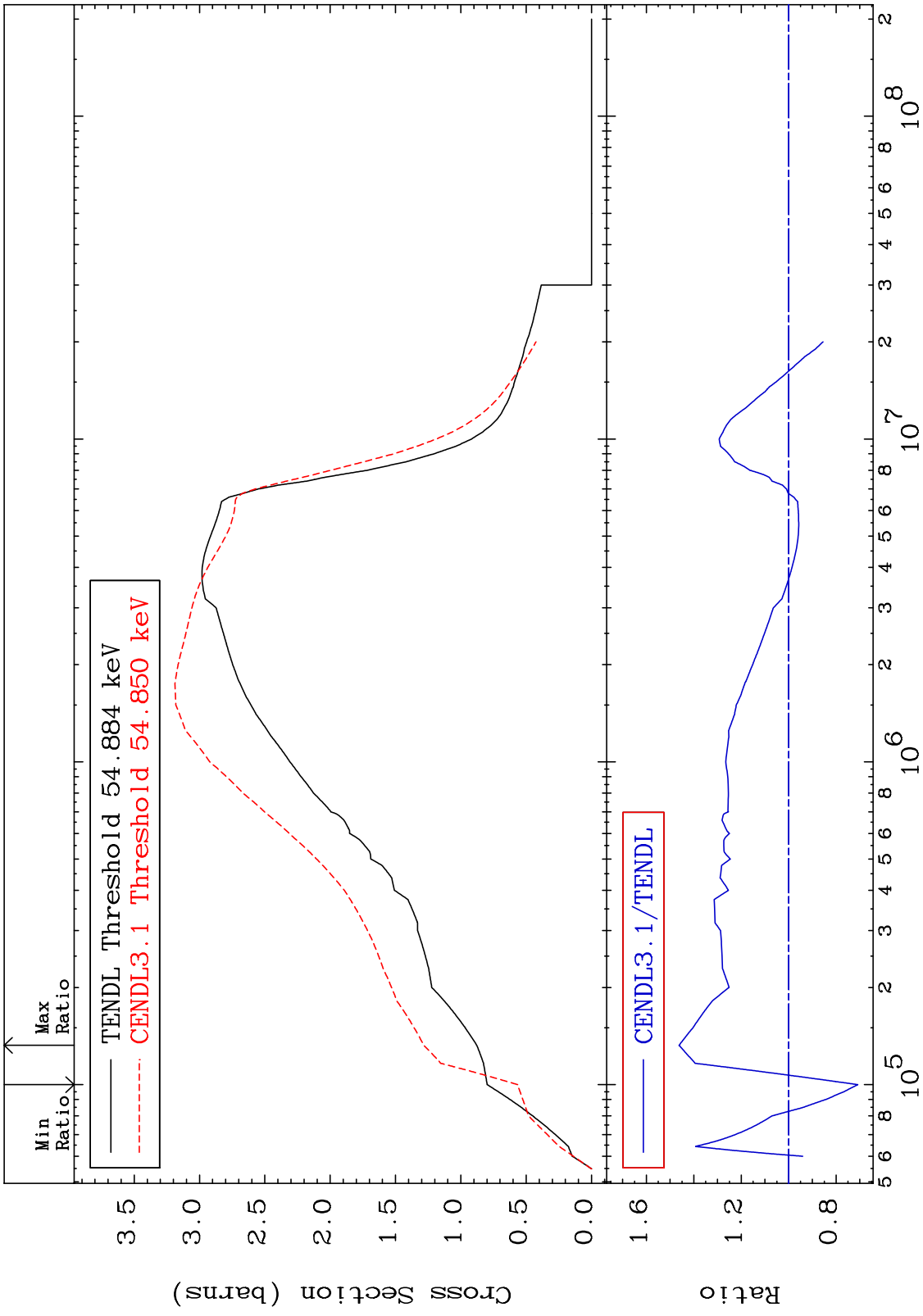
Incident Energy (eV) 64-Gd-157

MAT 6440 Elastic Cross Section 64-Gd-157 -99.57 To 4450. %

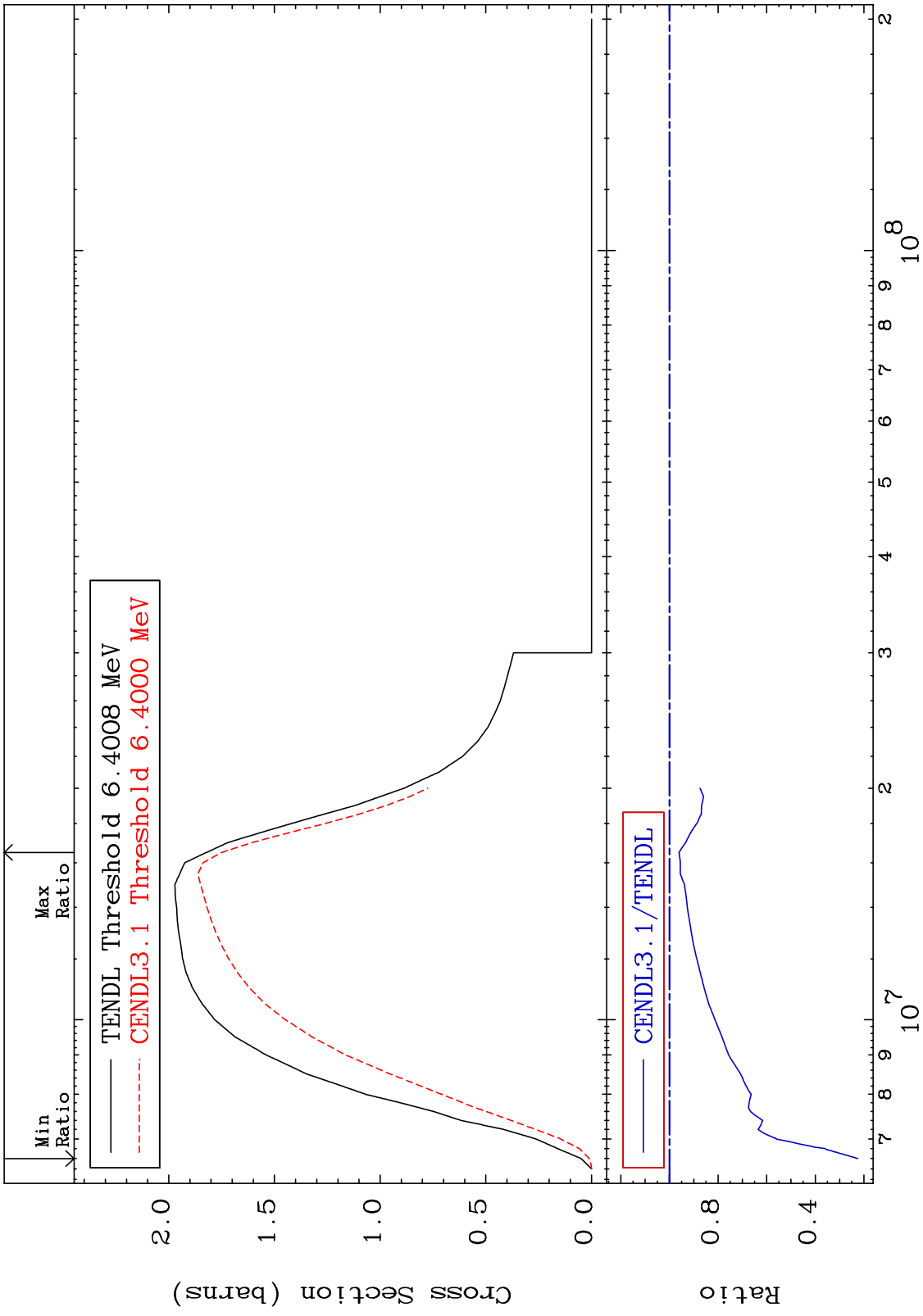


2 64-Gd-157 Incident Energy (eV)

MAT 6440 Inelastic Cross Section 64-Gd-157 -29.16 To 46.23 %

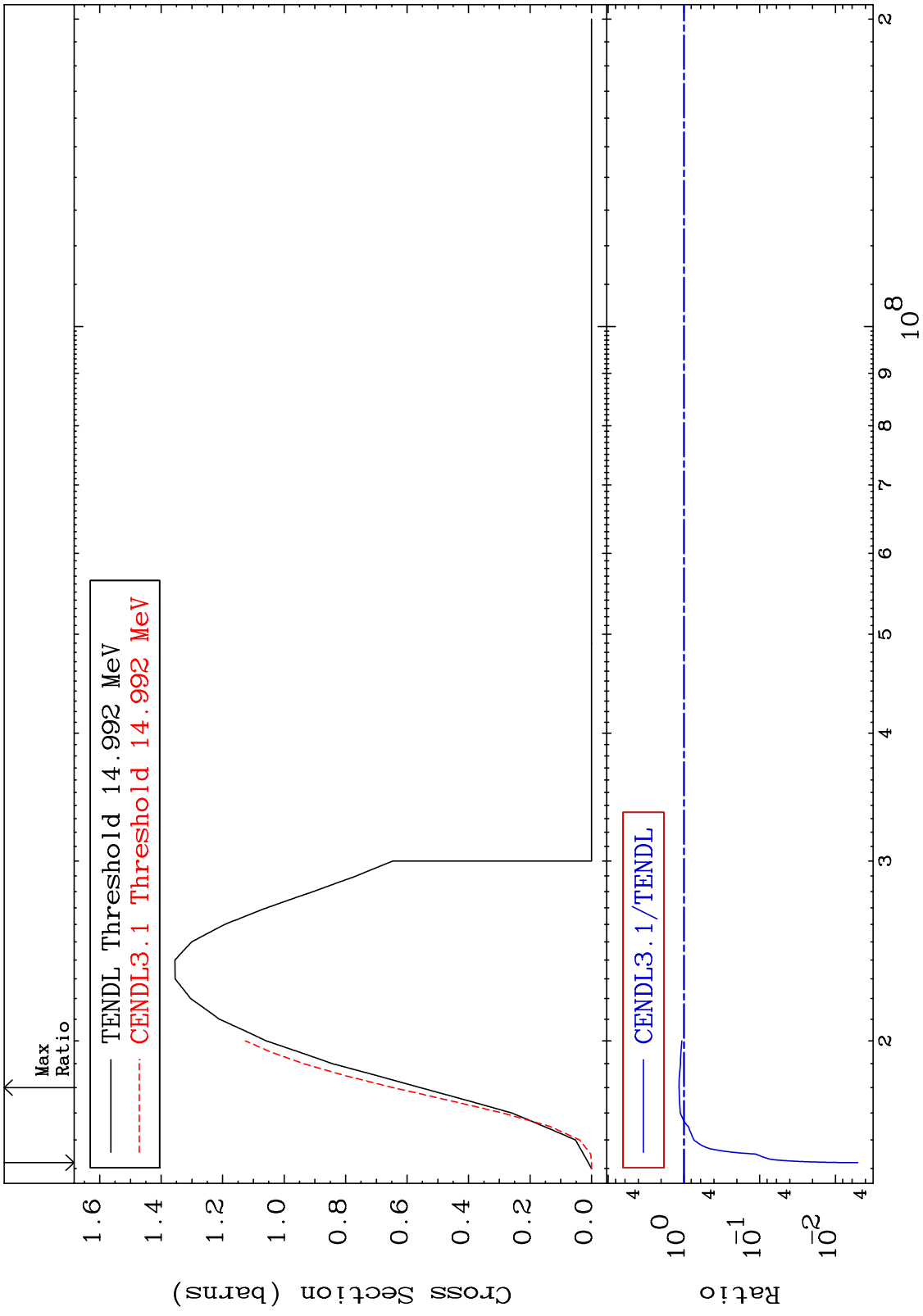


MAT 6440 $(n,2n)$ Cross Section $^{64}\text{Gd}-157$ -77.50 To -3.945%

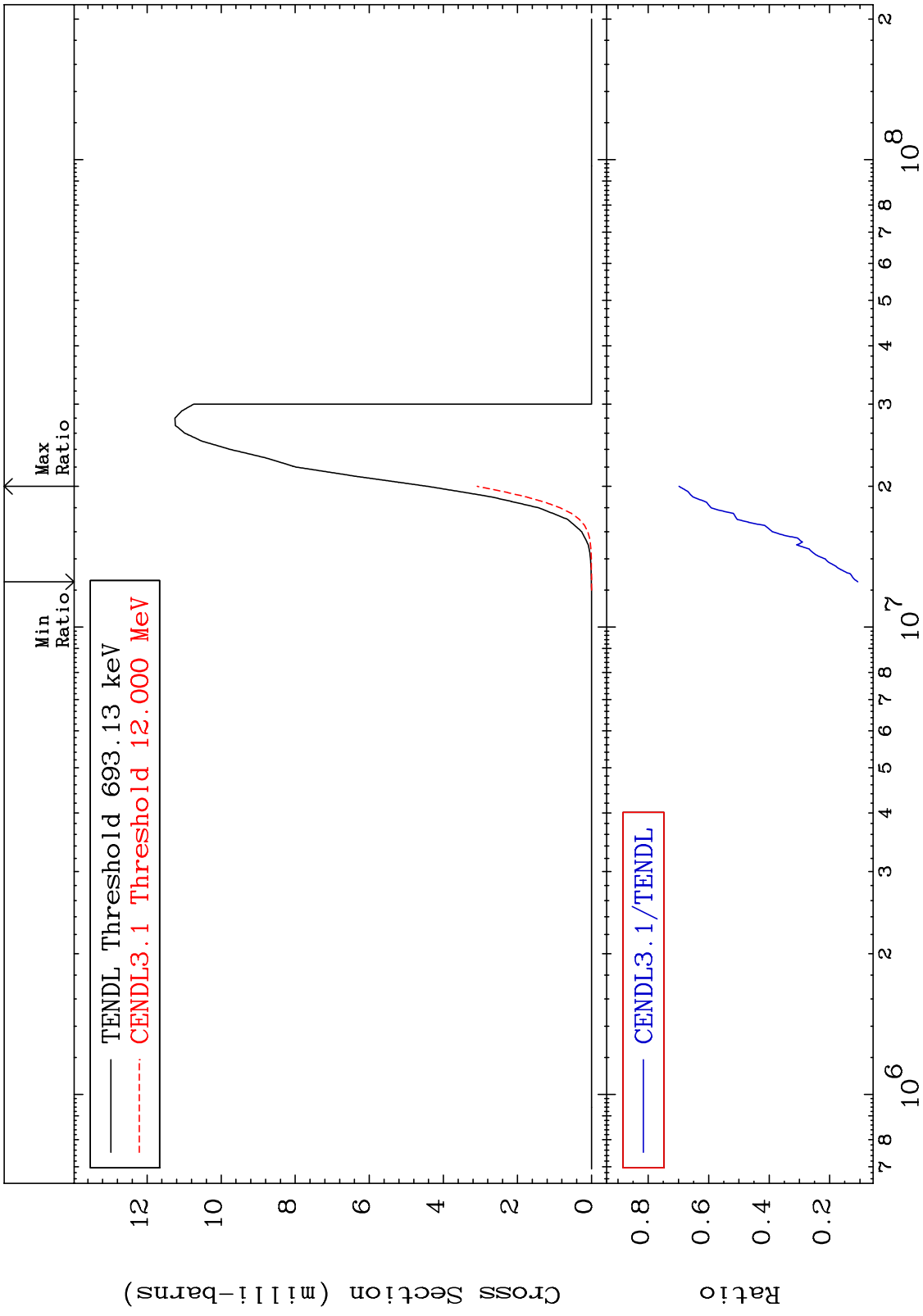


4 $^{64}\text{Gd}-157$

MAT 6440 (n,3n) Cross Section 64-Gd-157 -99.49 To 15.90 %

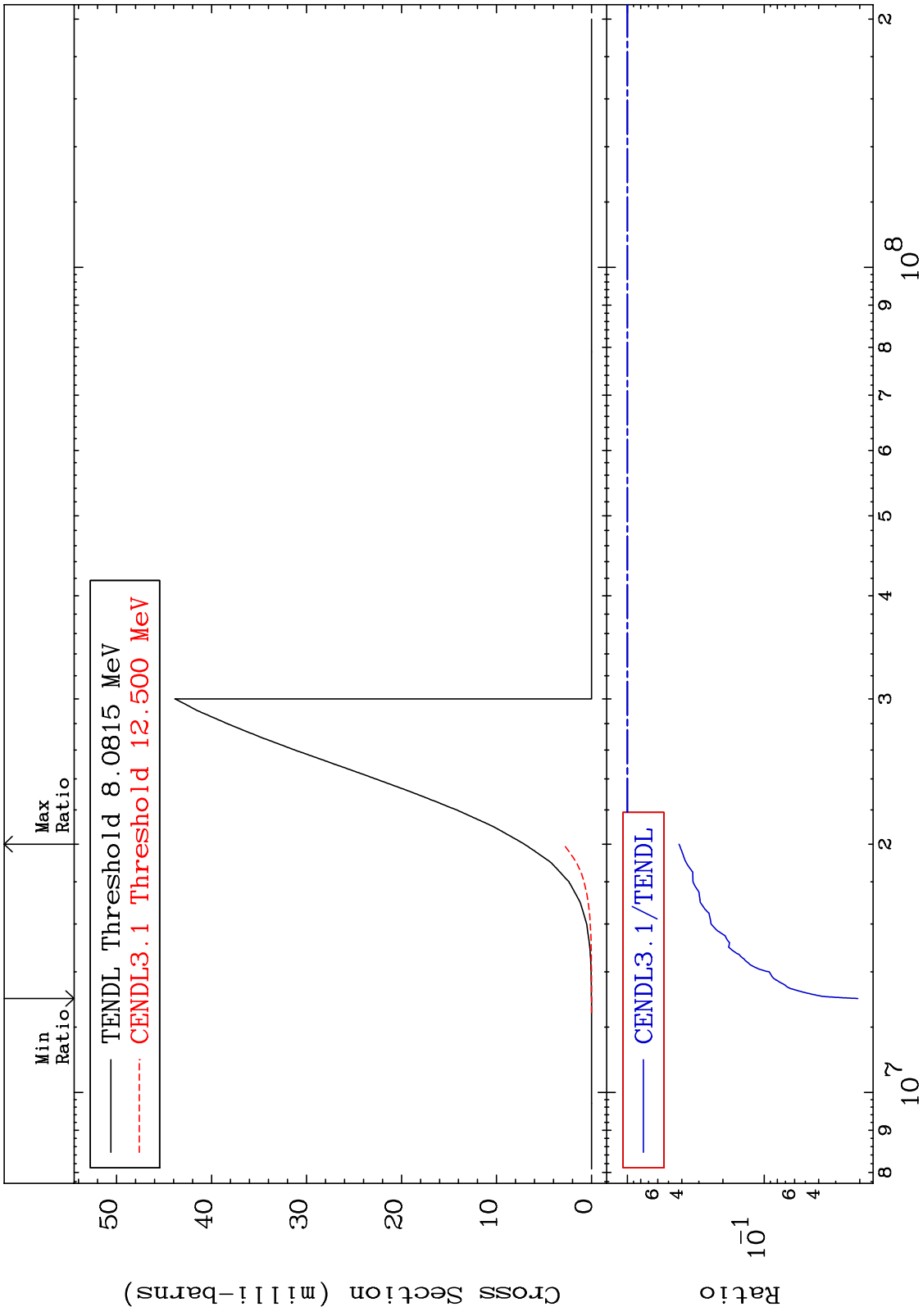


MAT 6440 $(n, n') \alpha$ 64-Gd-157
-89.32 To -30.19%



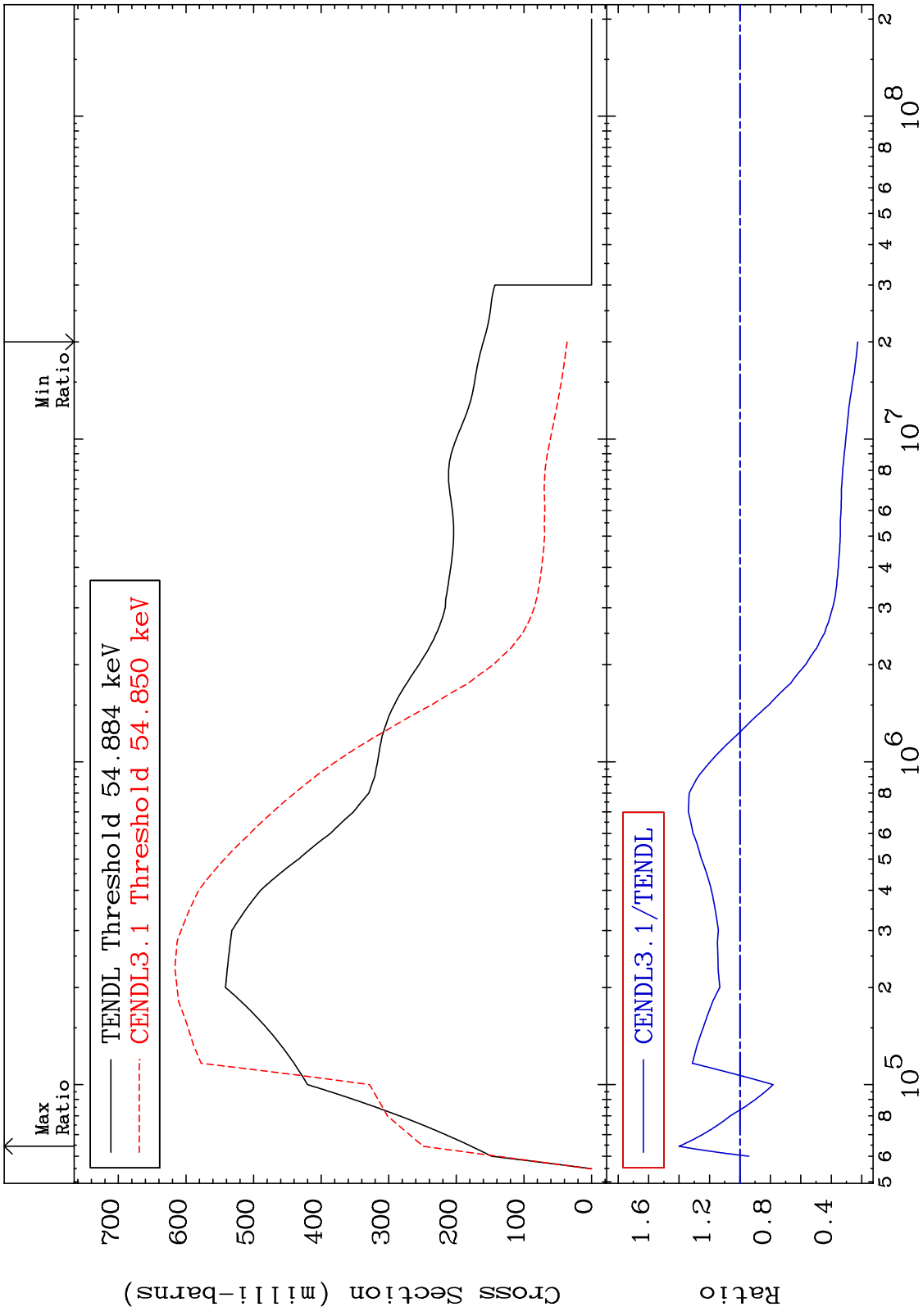
64-Gd-157

MAT 6440 (n, n') p $^{64}\text{Gd}-157$
 Cross Section -97.93 To -58.10%

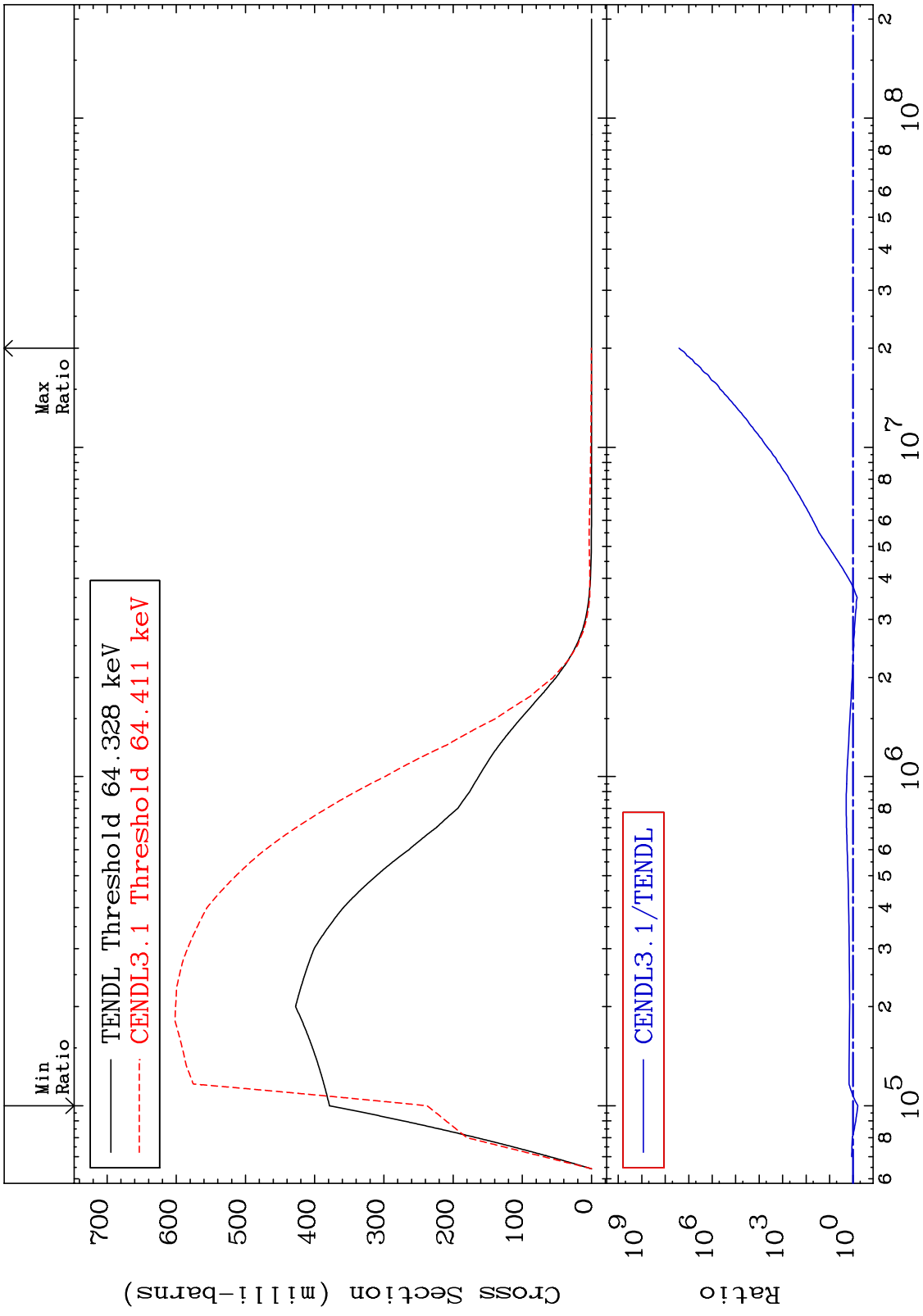


$^{64}\text{Gd}-157$

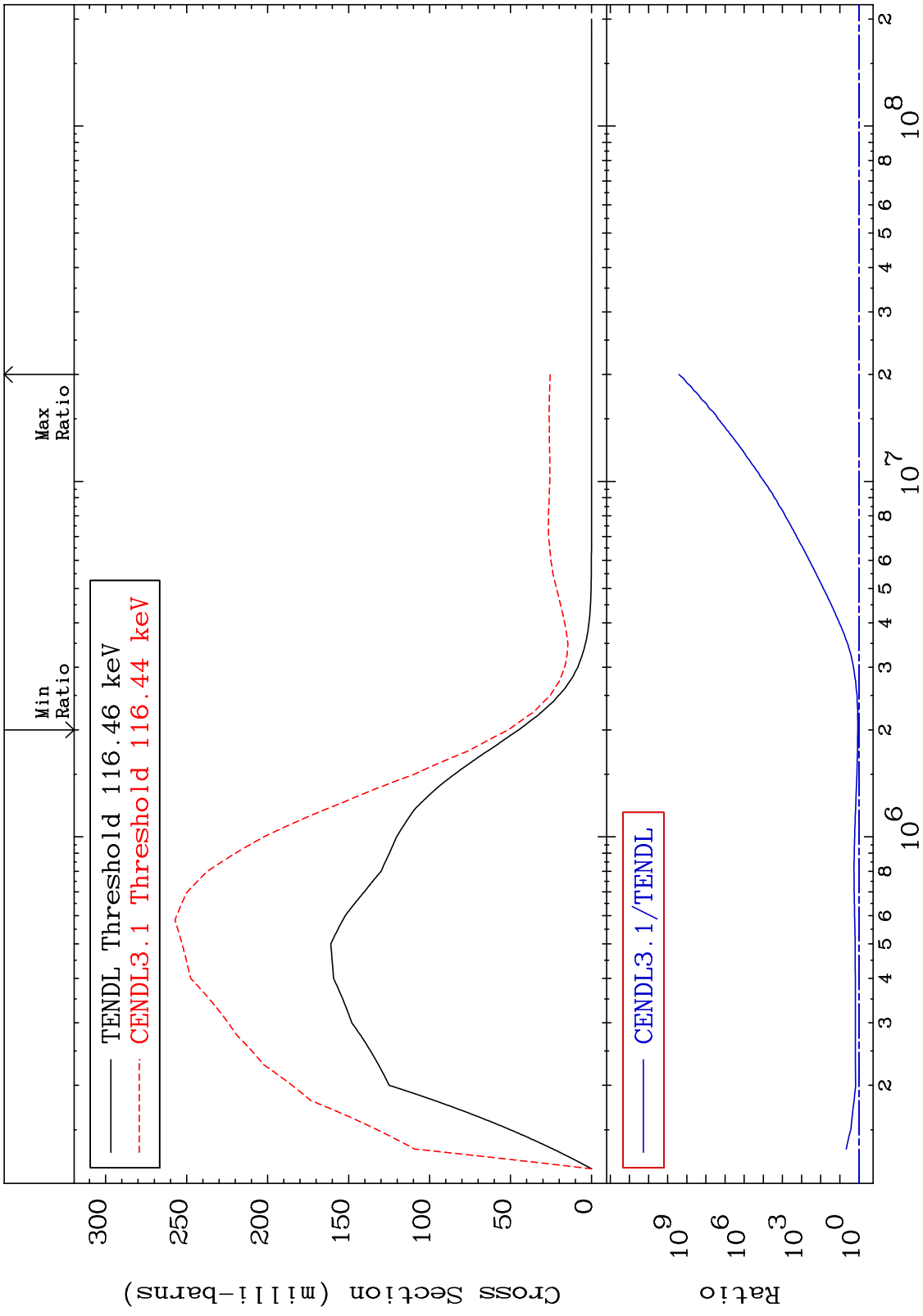
MAT 6440 MT= 51 (n,n') Level 64-Gd-157
 Cross Section -77.46 To 40.00 %



MAT 6440 MT= 52 (n,n') Level Cross Section 64-Gd-157 -37.27 To 9999. %

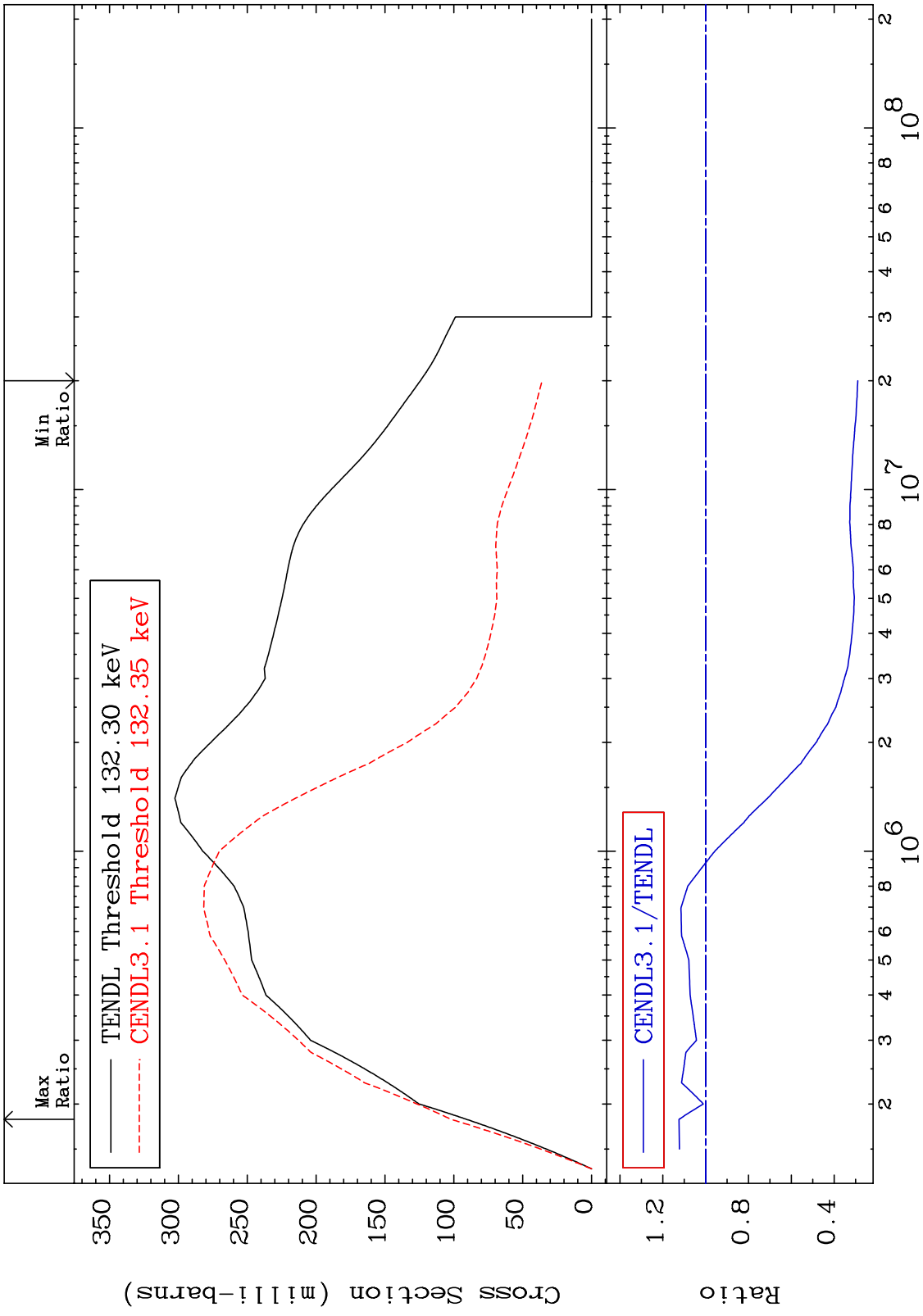


MAT 6440 MT= 53 (n,n') Level Cross Section 64-Gd-157 14.29 To 9999. %

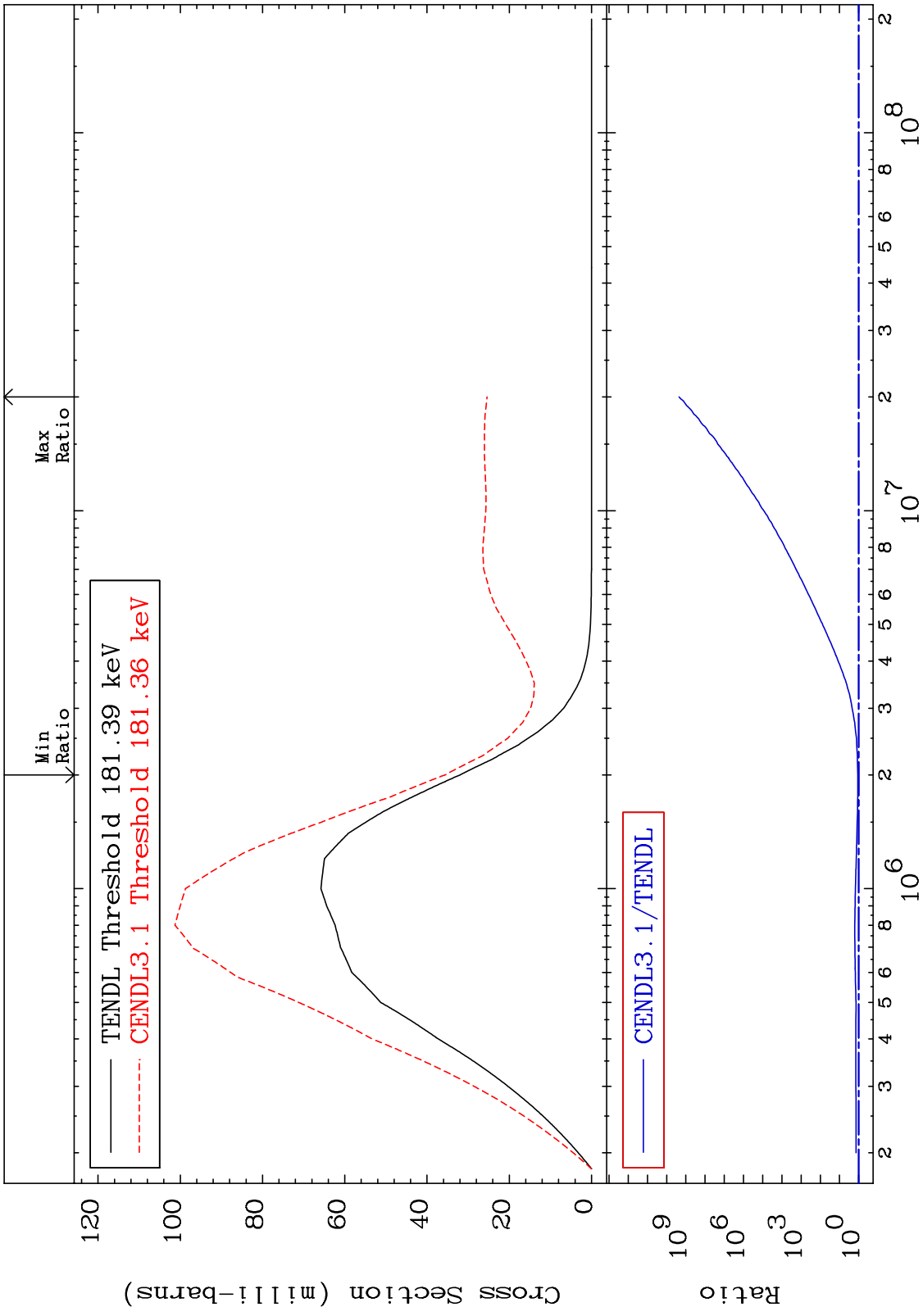


10 64-Gd-157

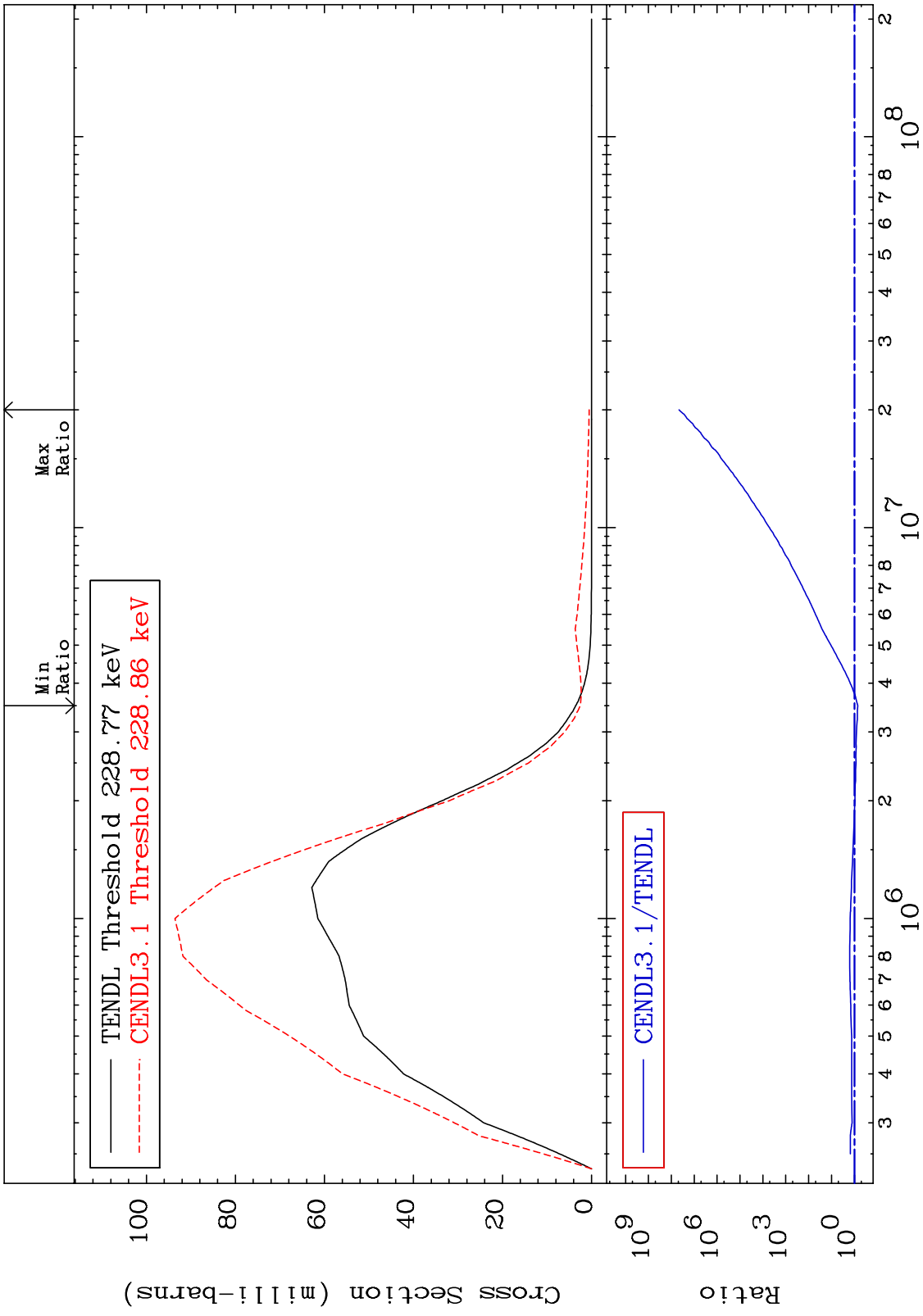
MAT 6440 MT= 54 (n,n') Level Cross Section 64-Gd-157
 -71.06 To 12.45 %



MAT 6440 MT= 55 (n,n') Level Cross Section 64-Gd-157 11.37 To 9999. %

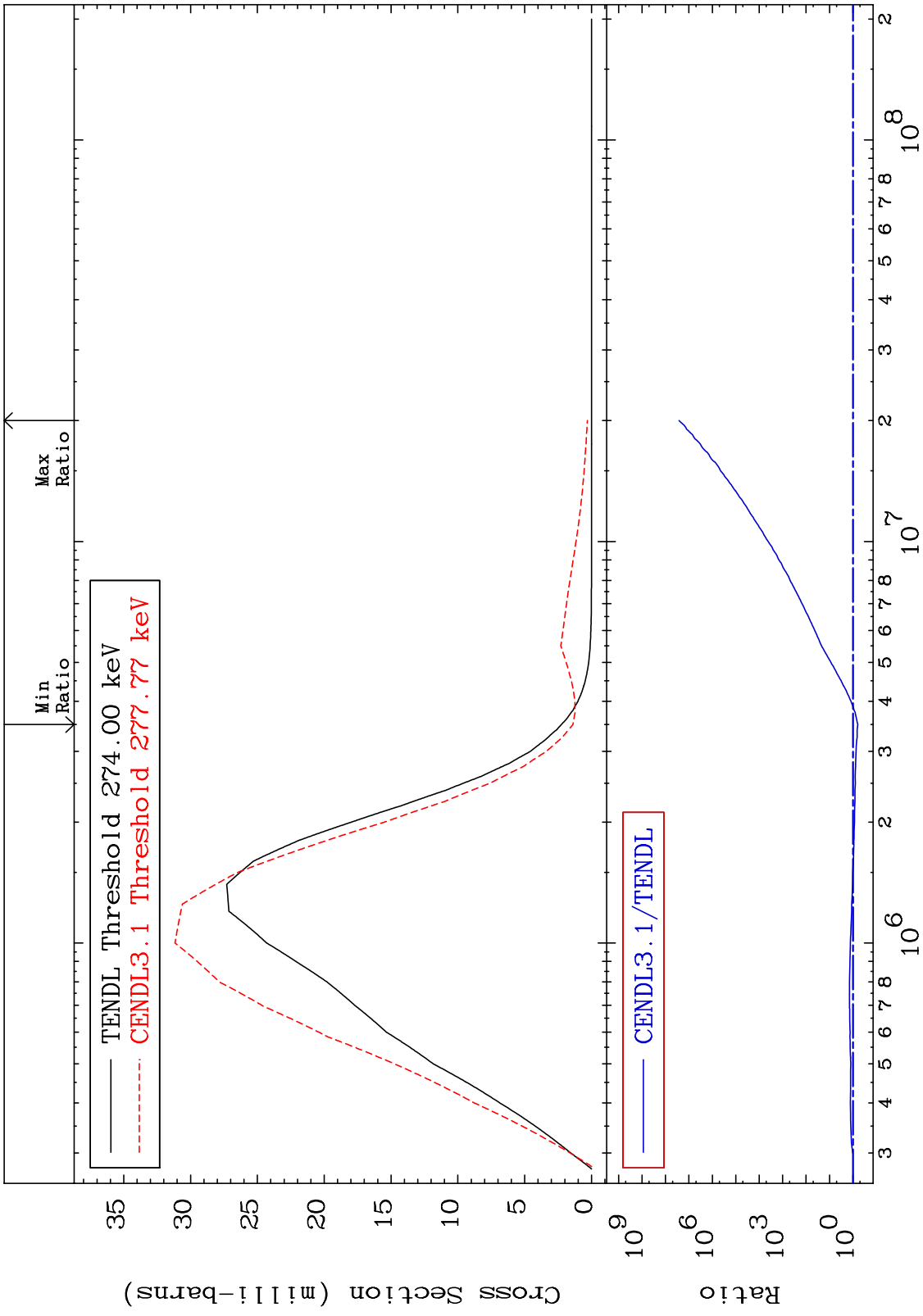


MAT 6440 MT= 56 (n,n') Level Cross Section 64-Gd-157
 -29.16 To 9999. %

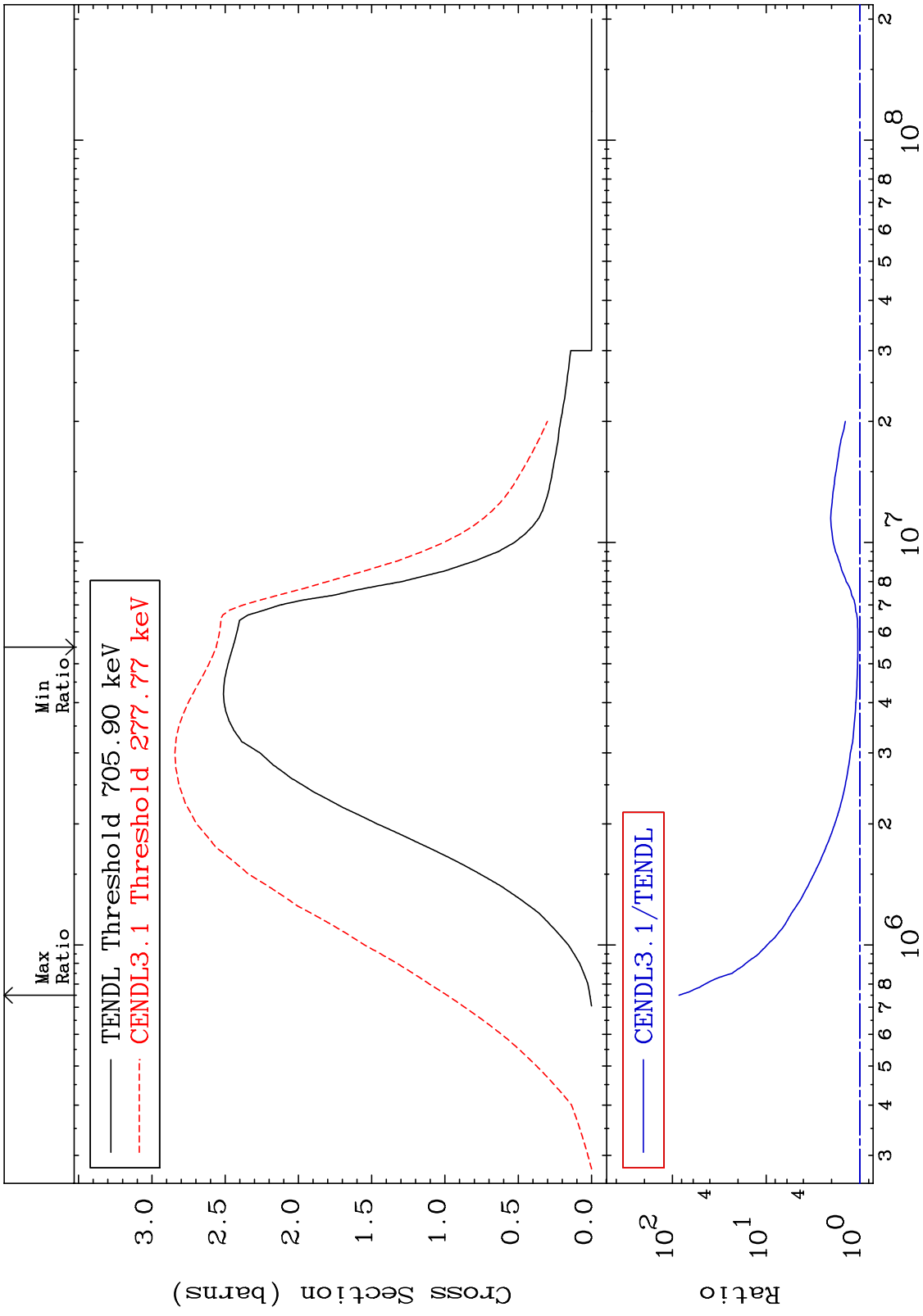


13 64-Gd-157

MAT 6440 MT= 57 (n,n') Level Cross Section 64-Gd-157 -38.23 To 9999. %

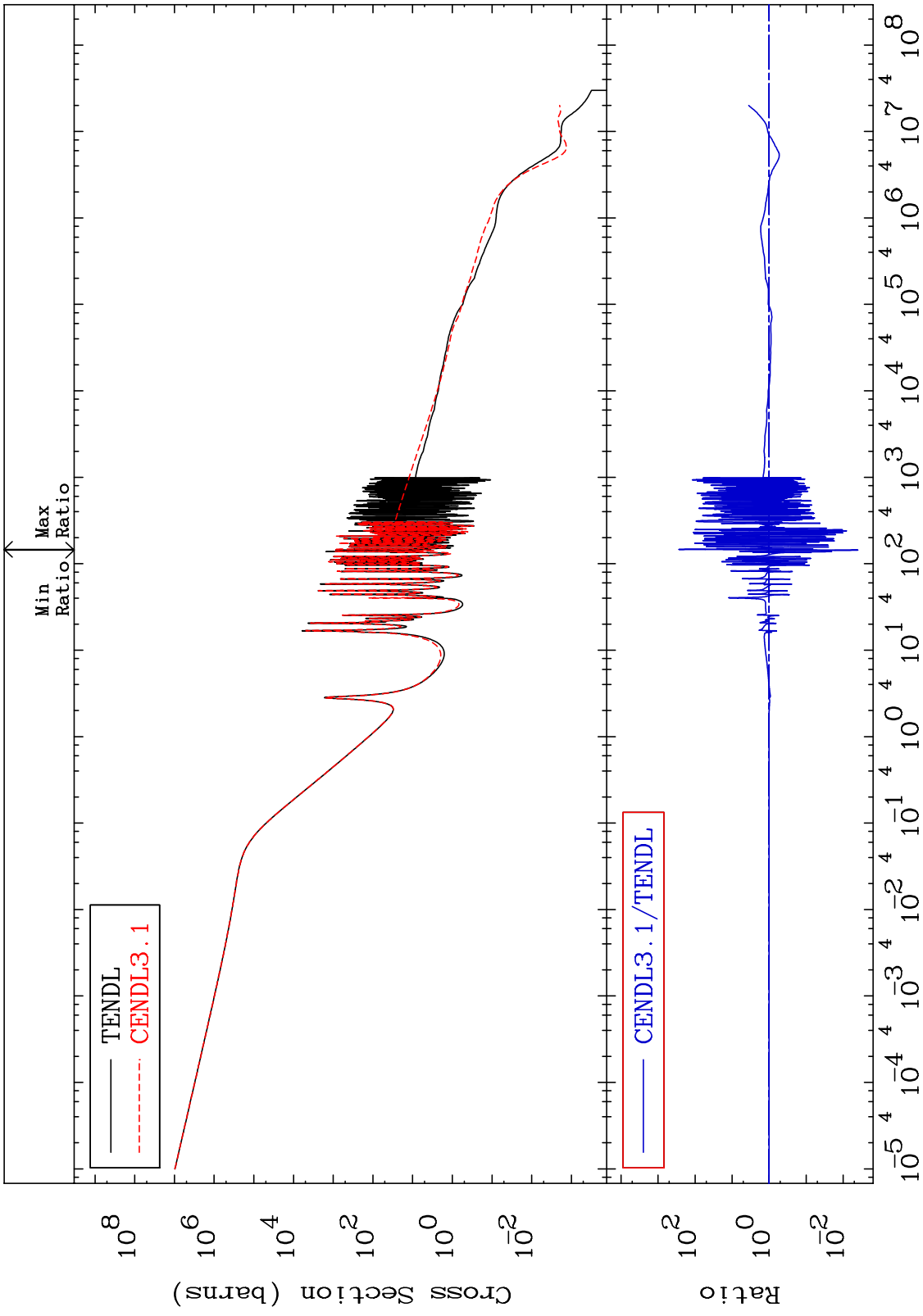


MAT 6440 (n,n') Continuum Cross Section 64-Gd-157 To 8416. %
 4.659



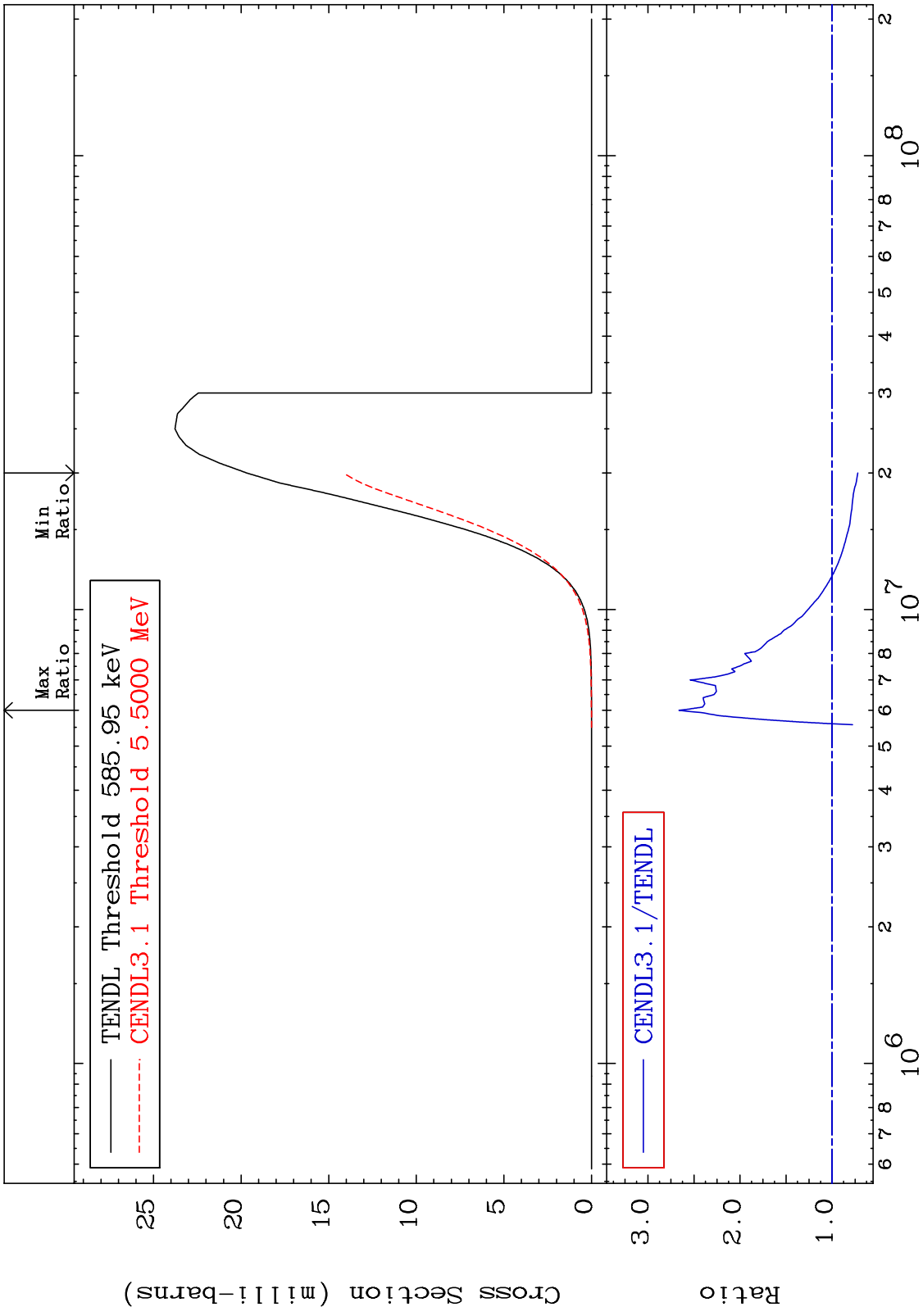
MAT 6440 64-Gd-157
-99.60 To 9999. %

(n, γ)
Cross Section



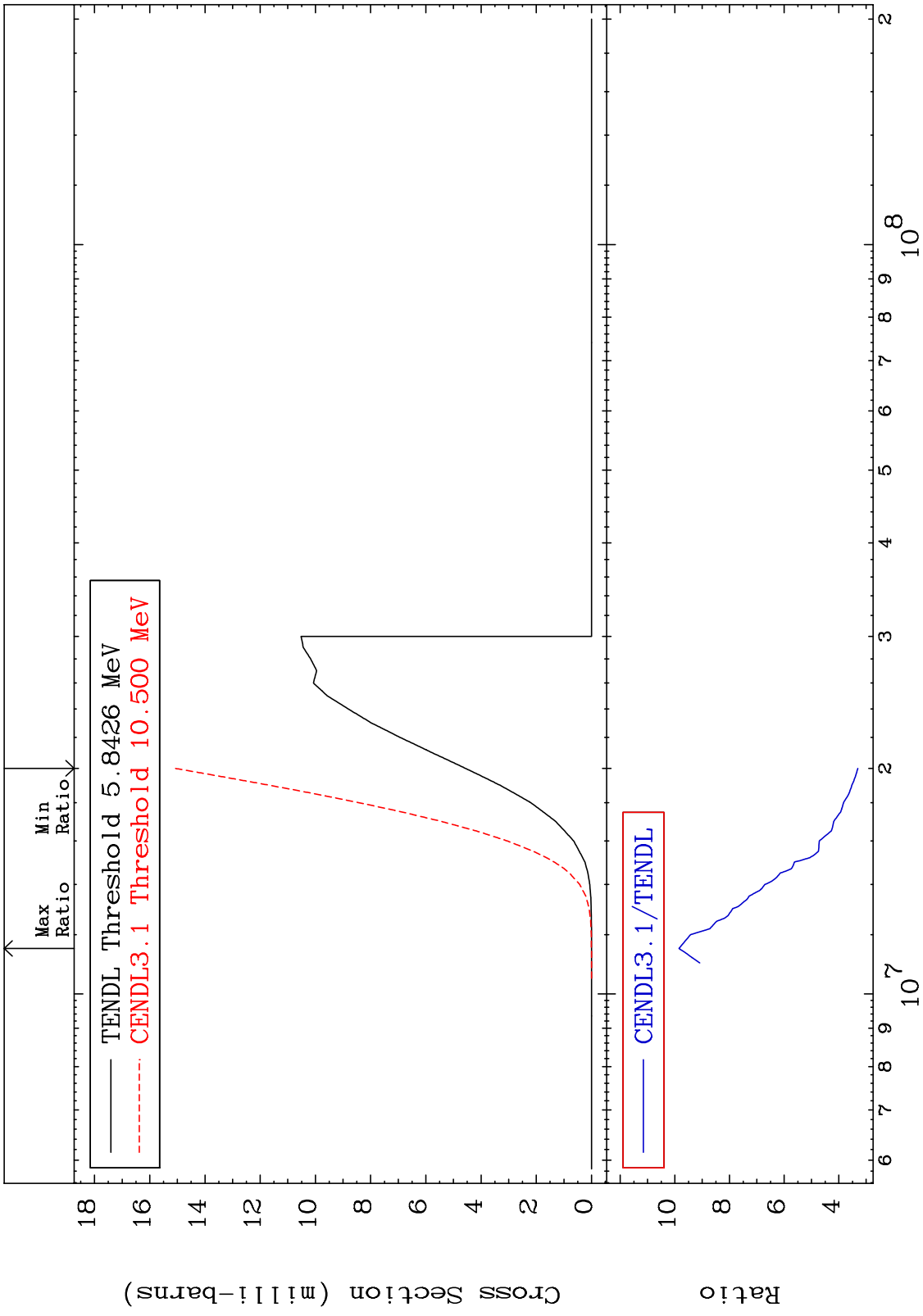
16 64-Gd-157

MAT 6440 (n,p) Cross Section 64-Gd-157
 -28.01 To 166.2 %



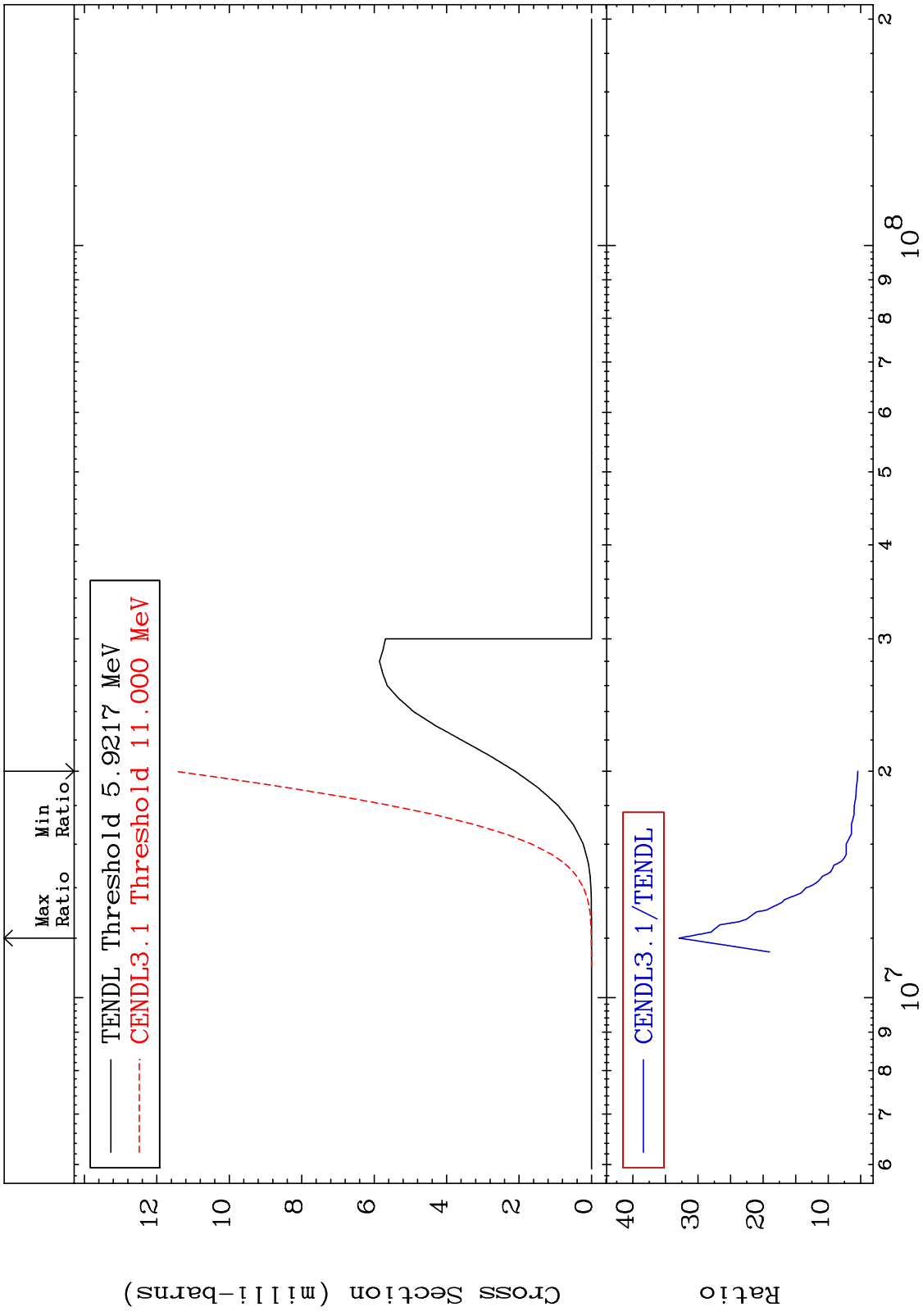
17 64-Gd-157

MAT 6440 (n,d) Cross Section 64-Gd-157 230.3 To 884.7 %



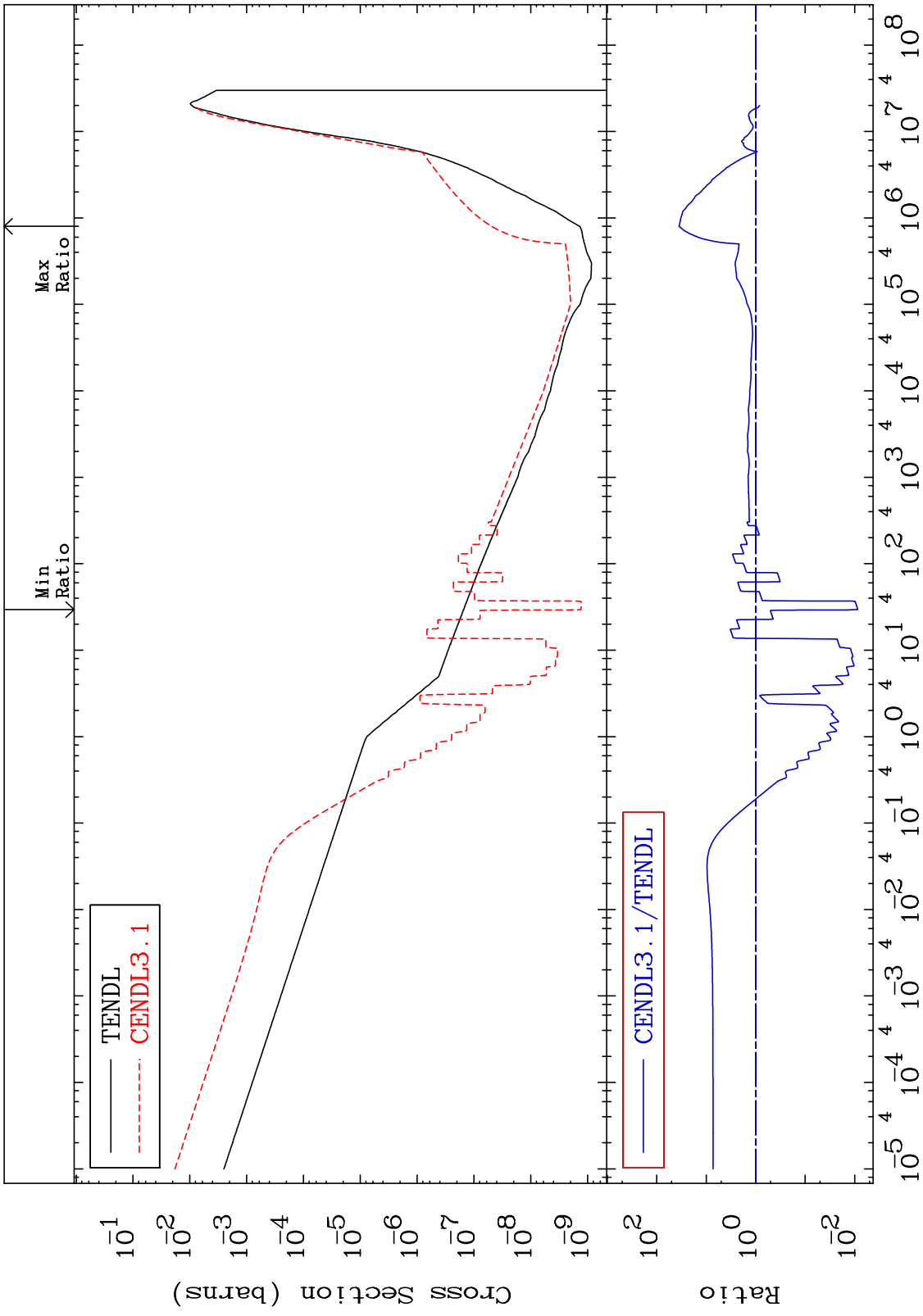
18 64-Gd-157

MAT 6440 (n,t) Cross Section 64-Gd-157 To 3192. %
 444.5



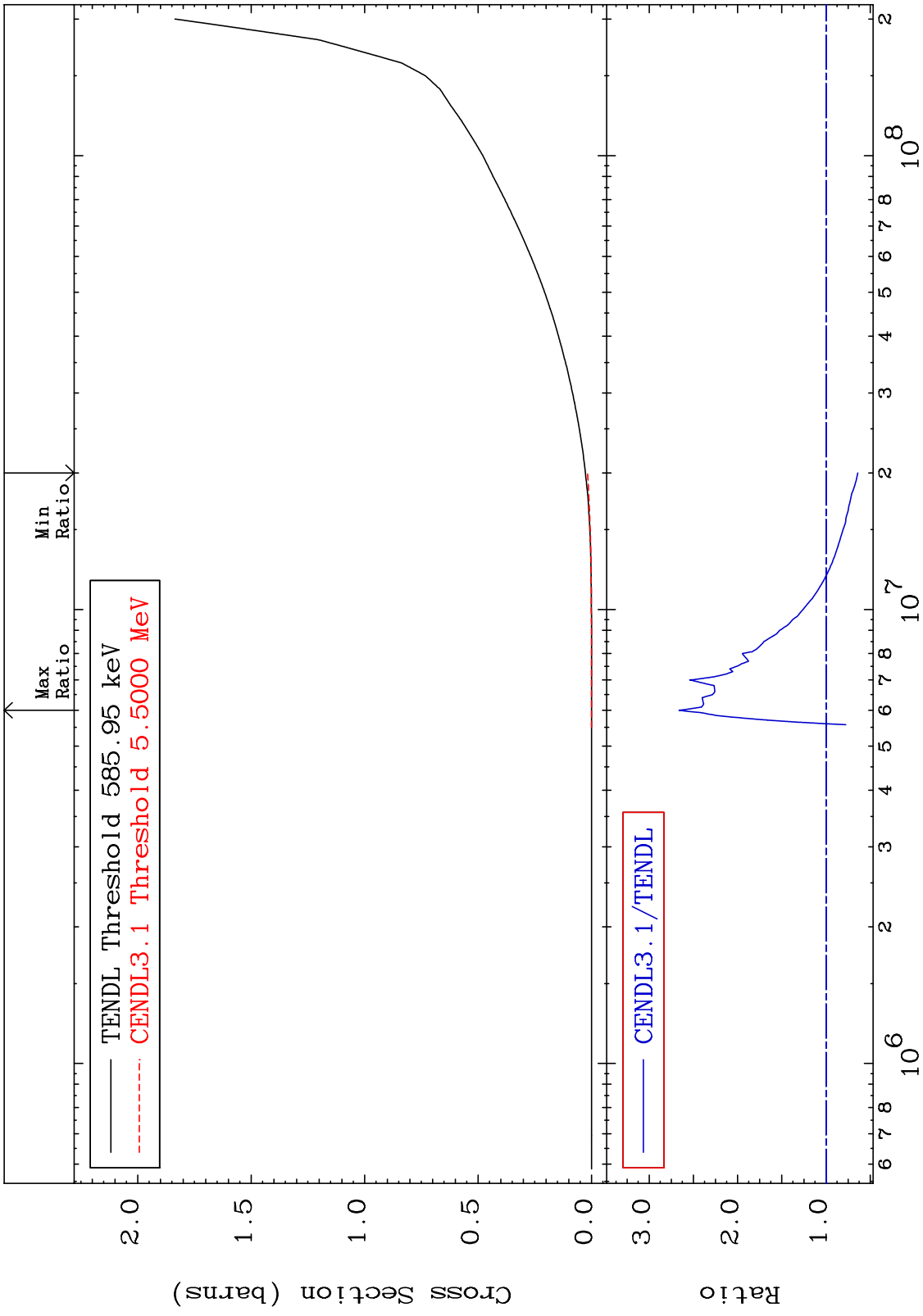
19 64-Gd-157 Incident Energy (eV)

MAT 6440 64-Gd-157
-99.14 To 3443. %
 (n, α)
 Cross Section



20 64-Gd-157

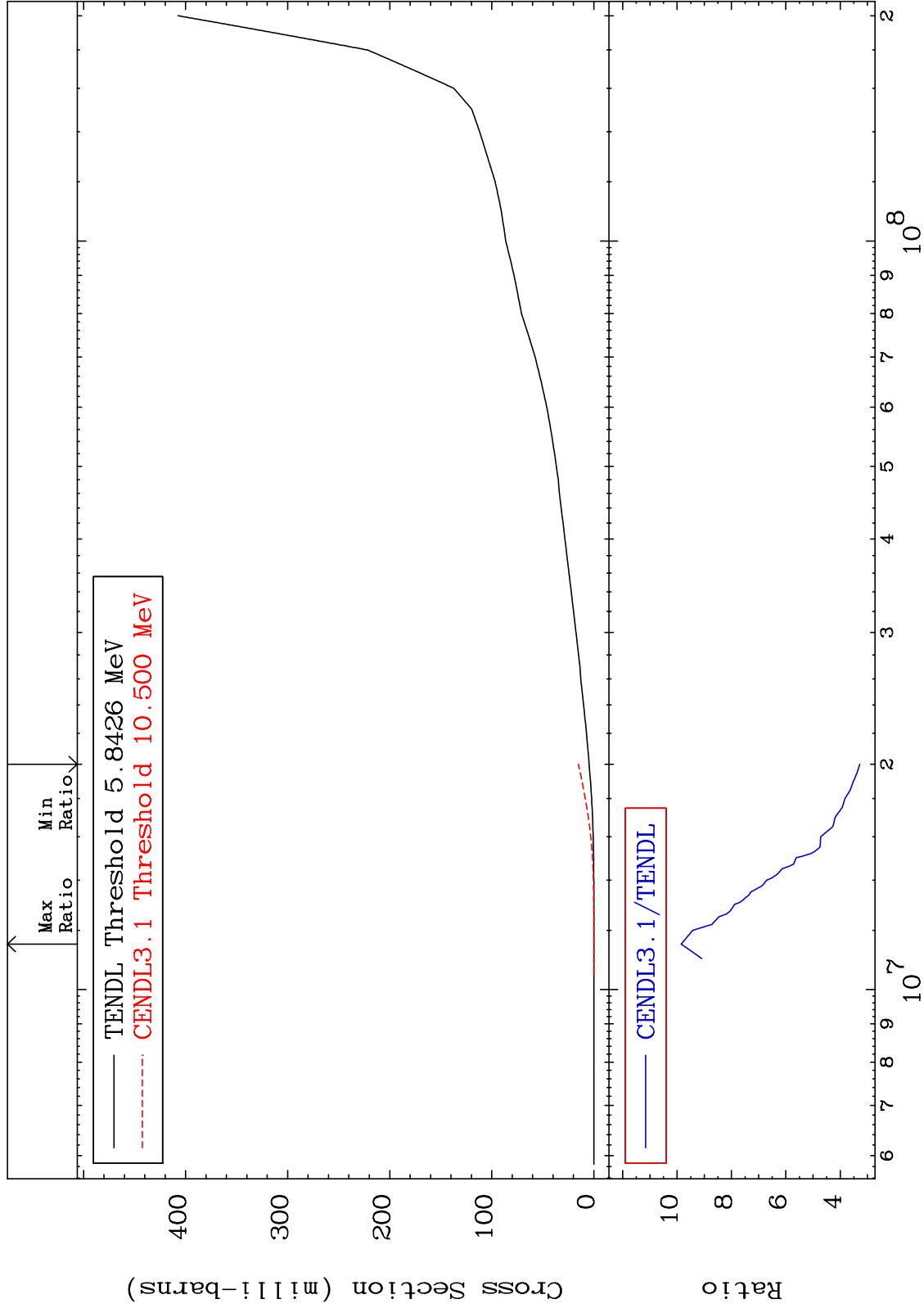
MAT 6440 Hydrogen Production Cross Section 64-Gd-157
 -35.99 To 166.2 %



MAT 6440

Deuterium Production
Cross Section

64-Gd-157
228.1 To 884.7 %

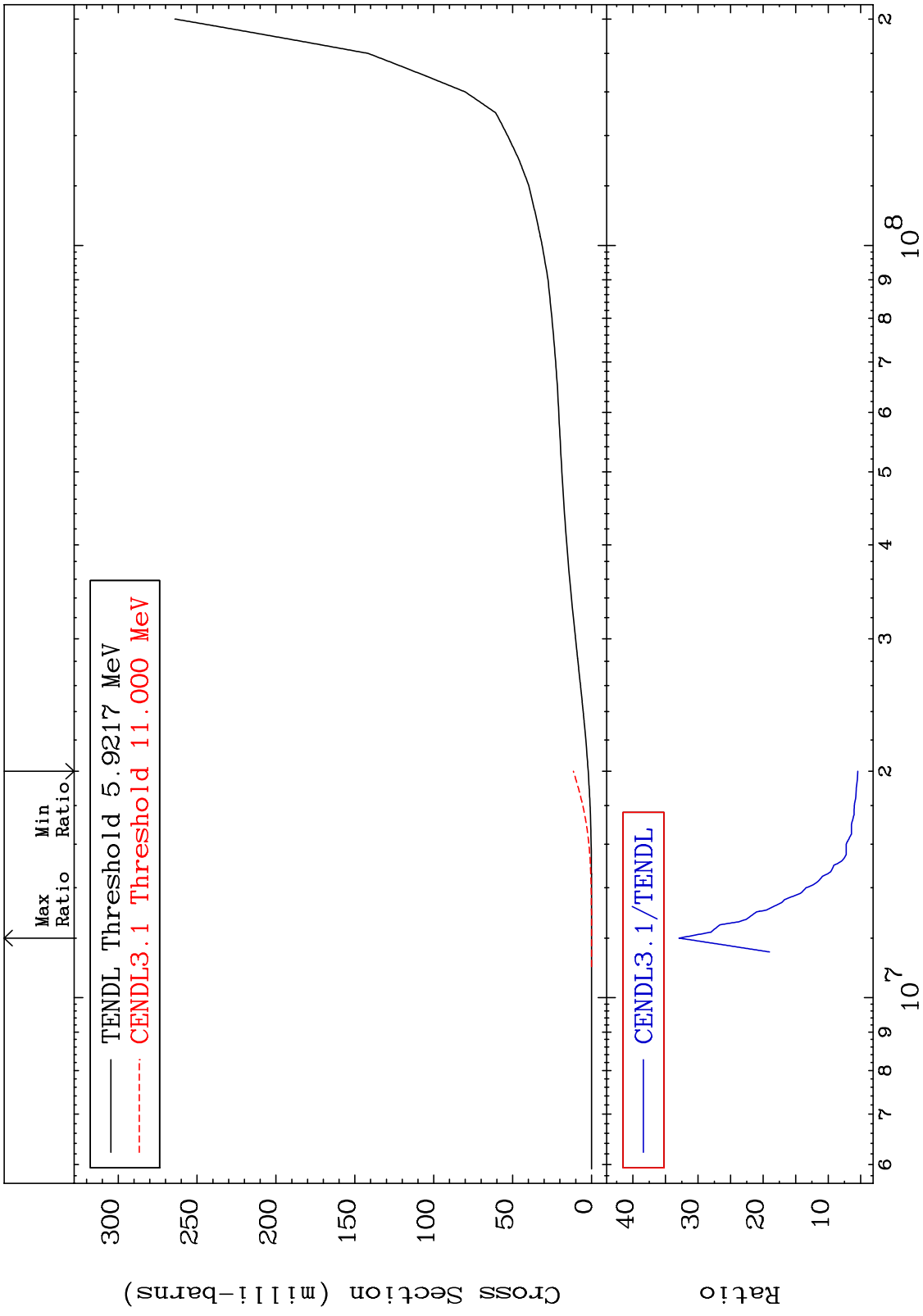


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Incident Energy (eV)

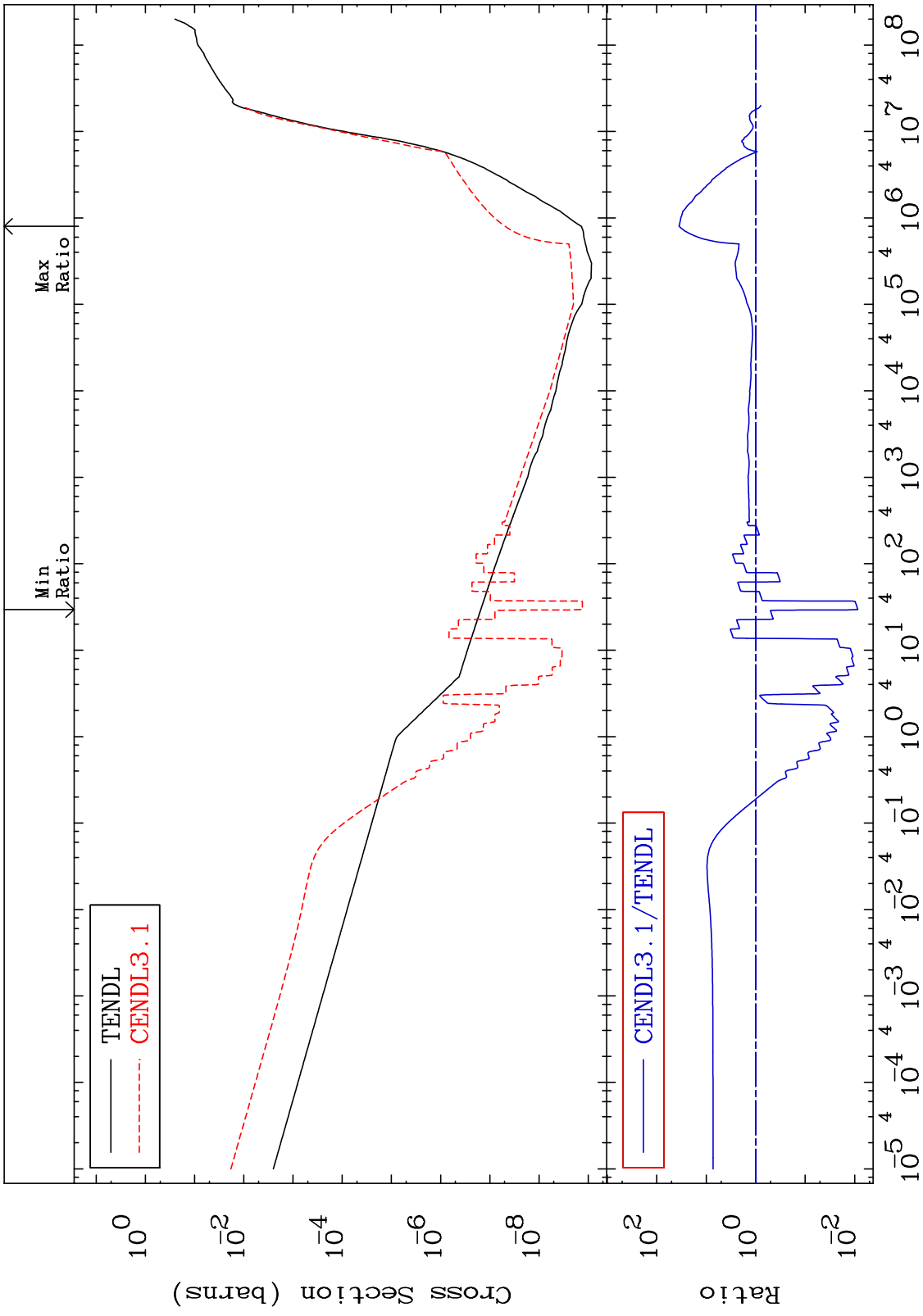
64-Gd-157

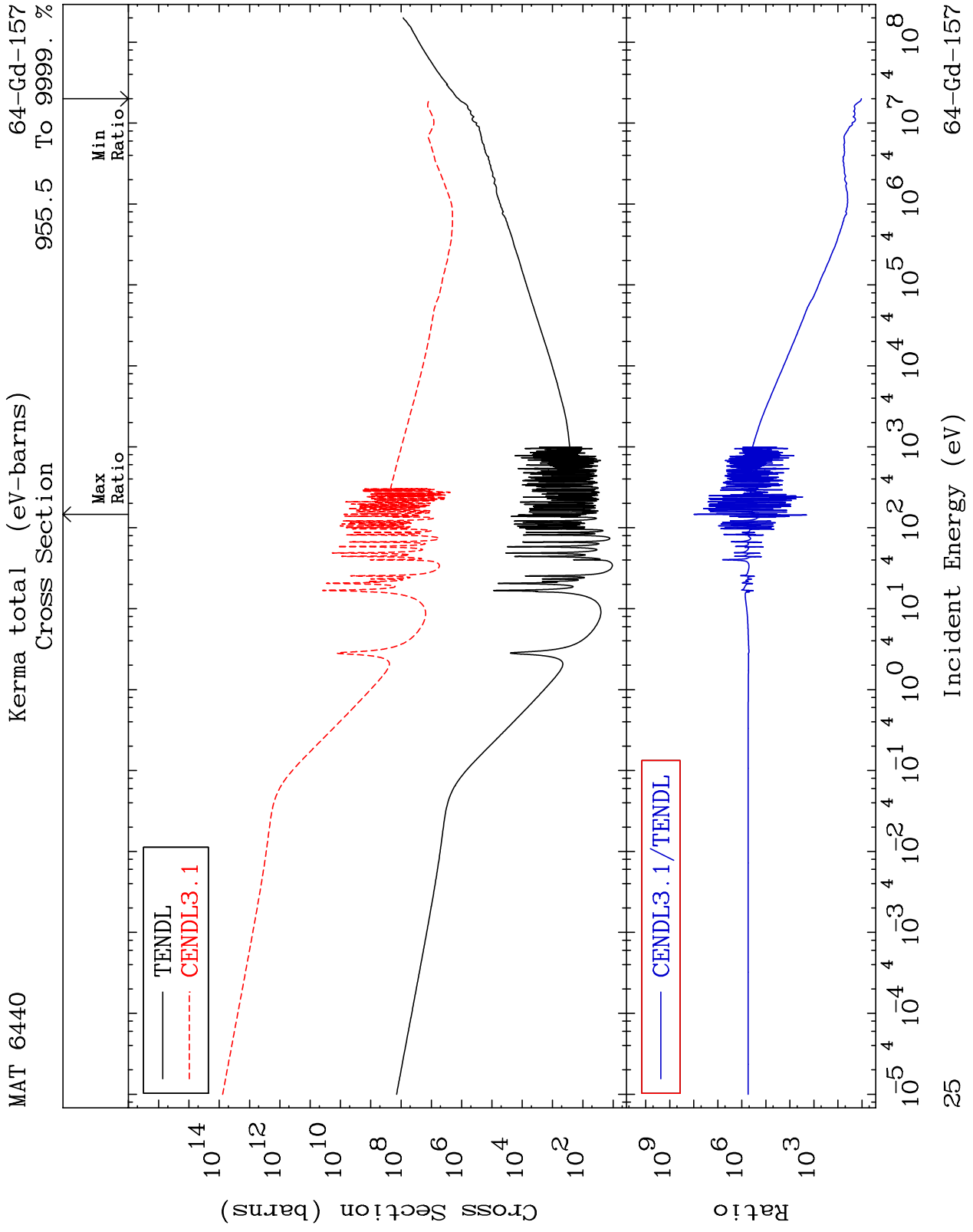
MAT 6440 Tritium Production Cross Section 64-Gd-157 To 3192. %
444.4



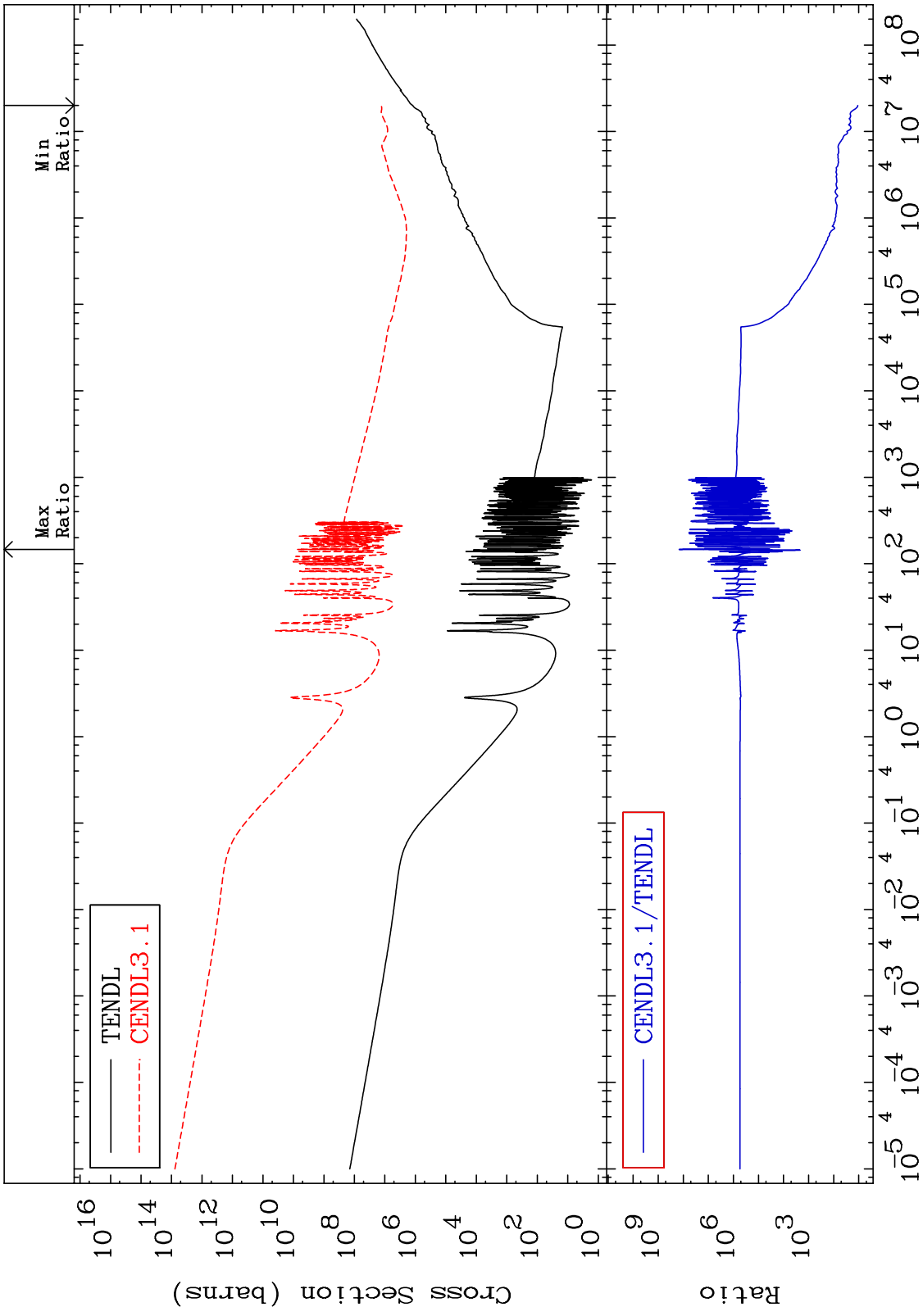
64-Gd-157

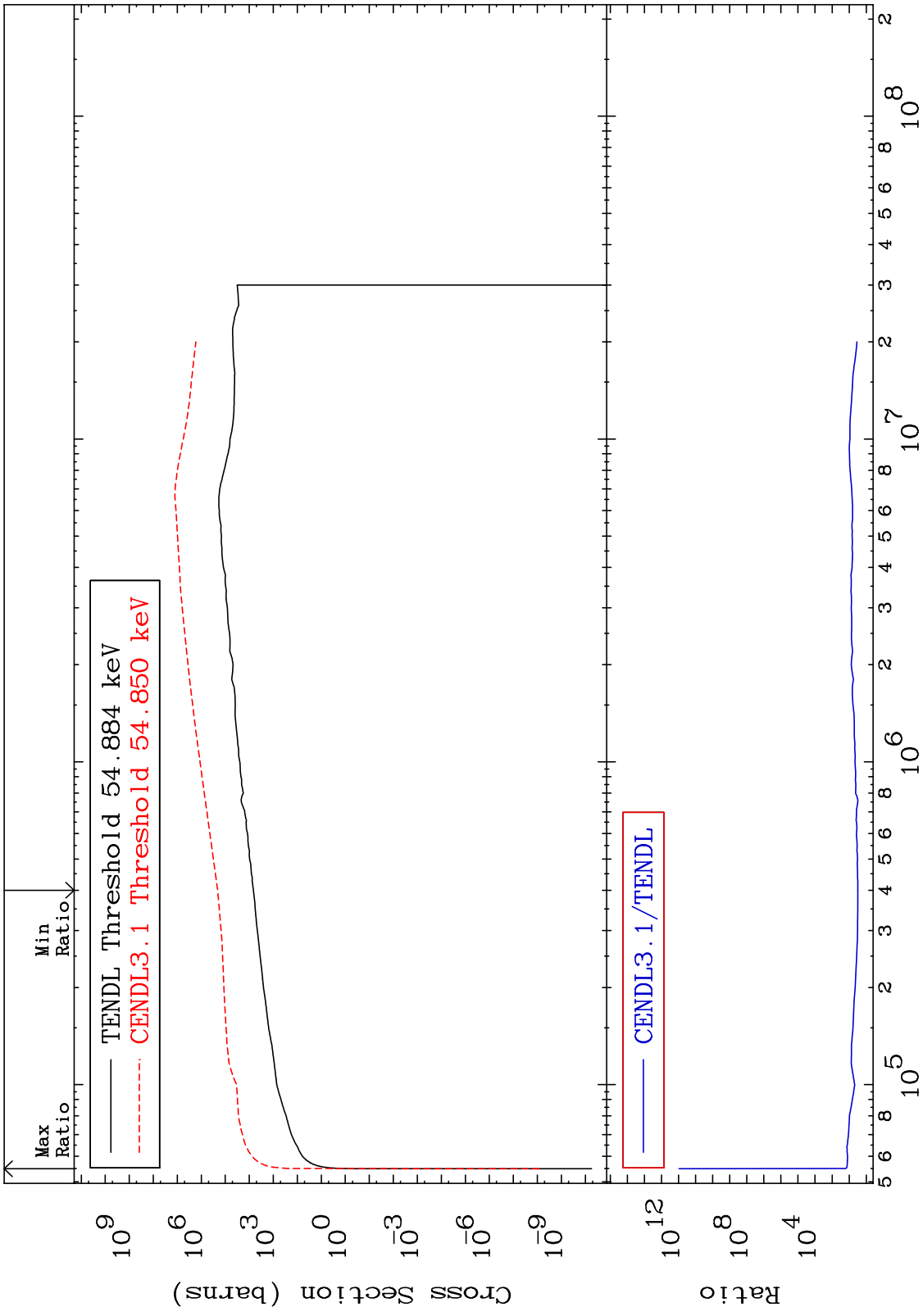
MAT 6440 He-4 Production Cross Section 64-Gd-157 -99.14 To 3443. %





MAT 6440 Kerma non-elastic (all but mt2) 64-Gd-157
 Cross Section 983.9 To 9999. %

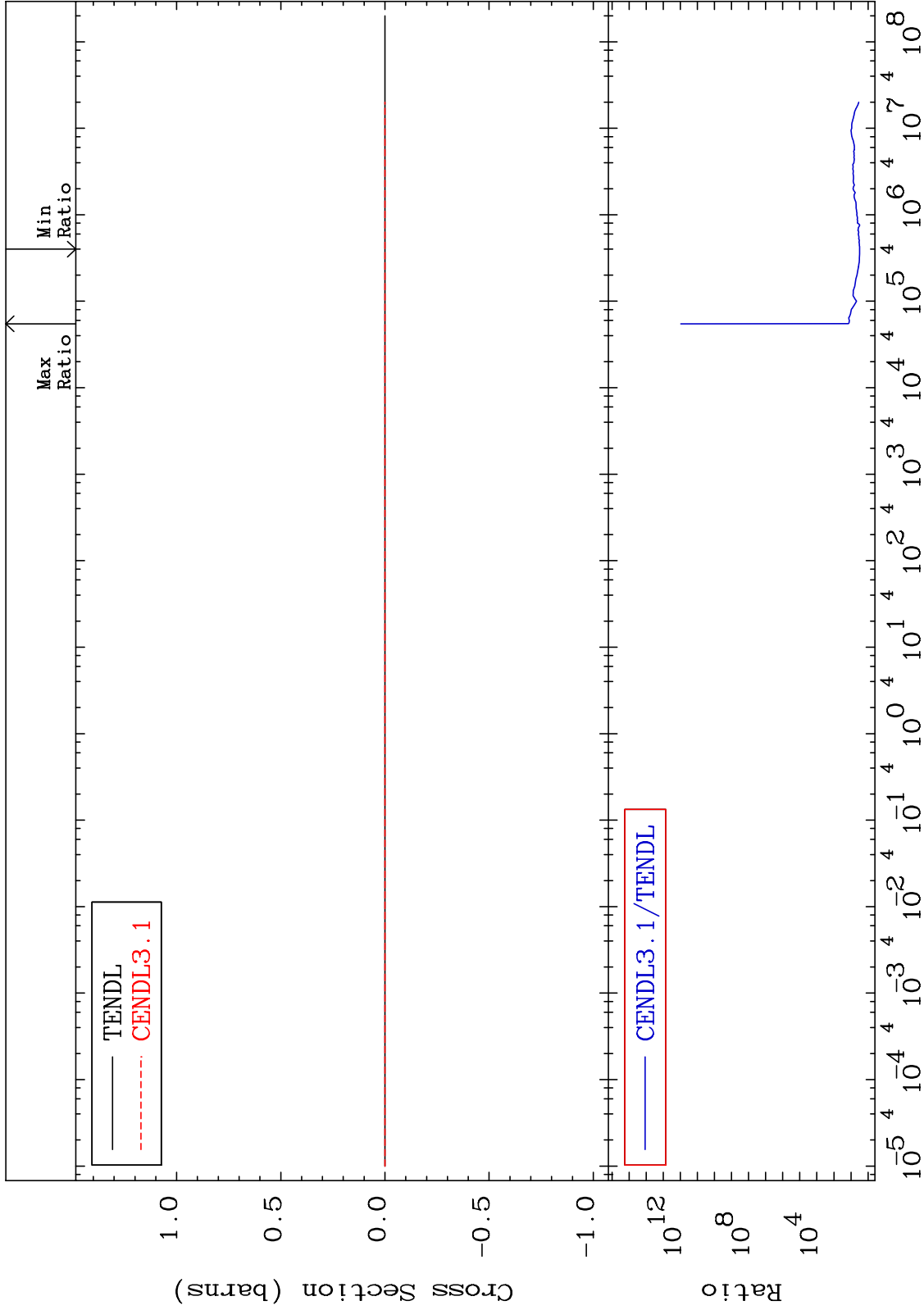




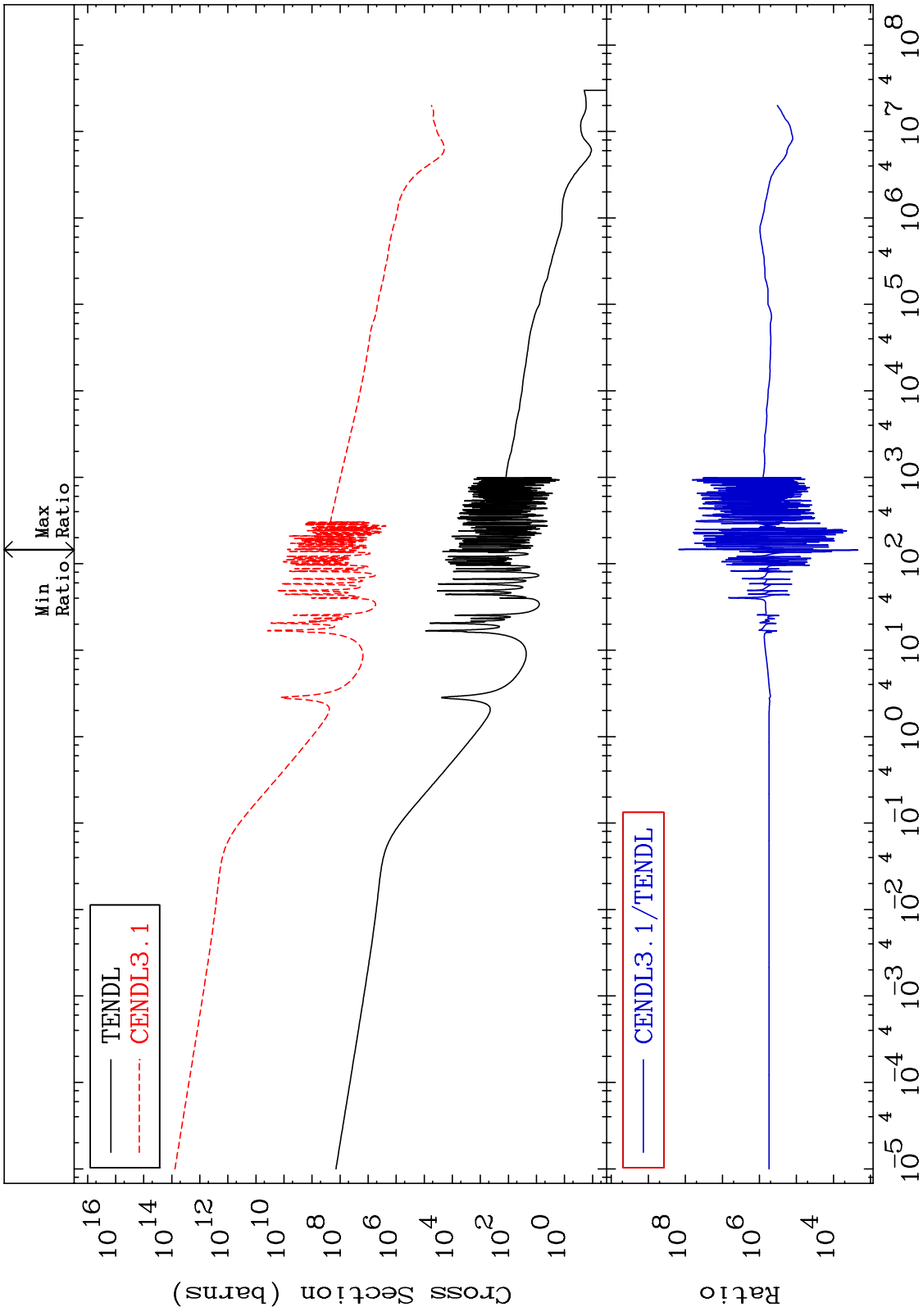
MAT 6440

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

64-Gd-157
3009. To 9999. %

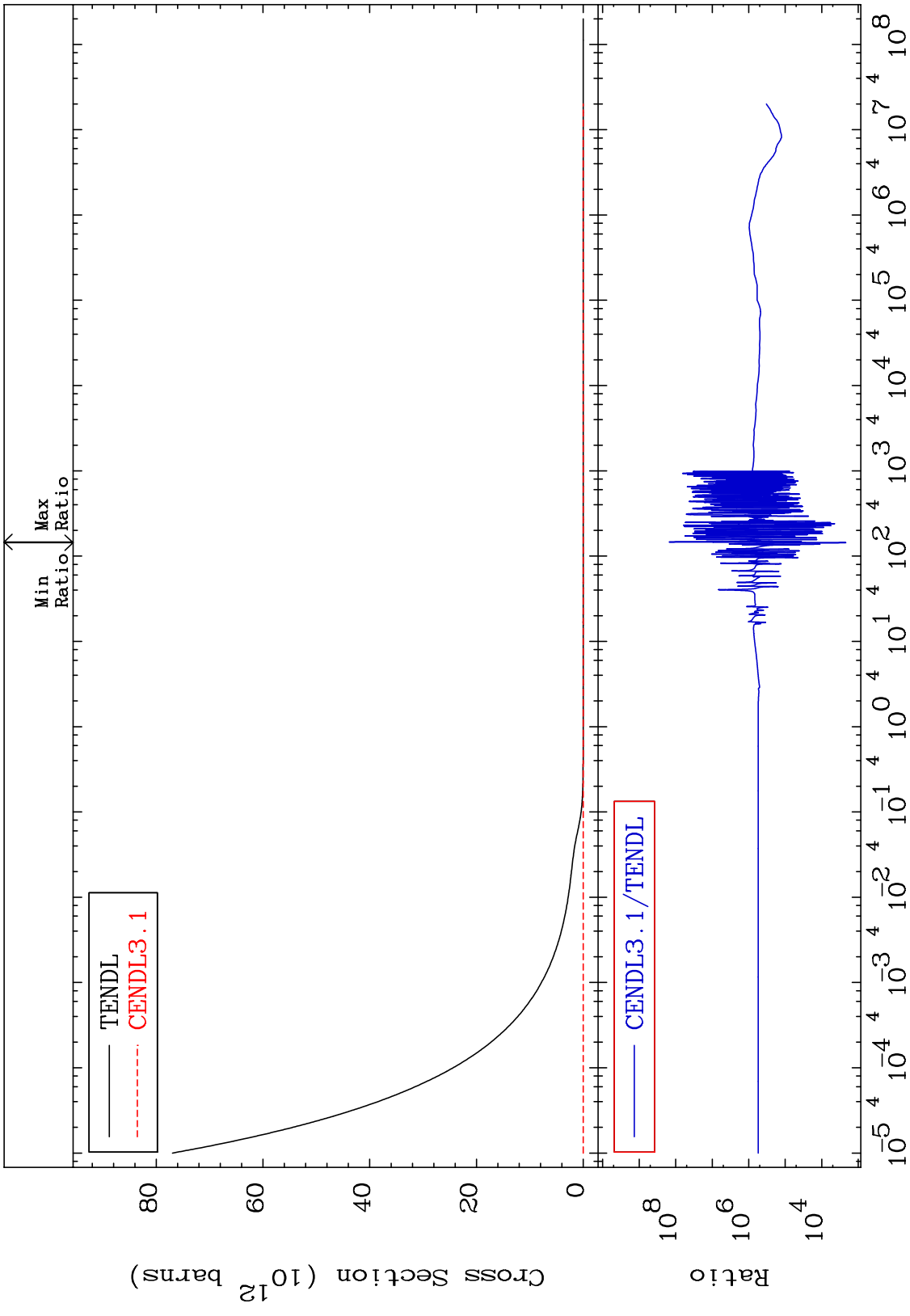


MAT 6440 Kerma capture (mt102) 64-Gd-157
 Cross Section 9999. To 9999. %

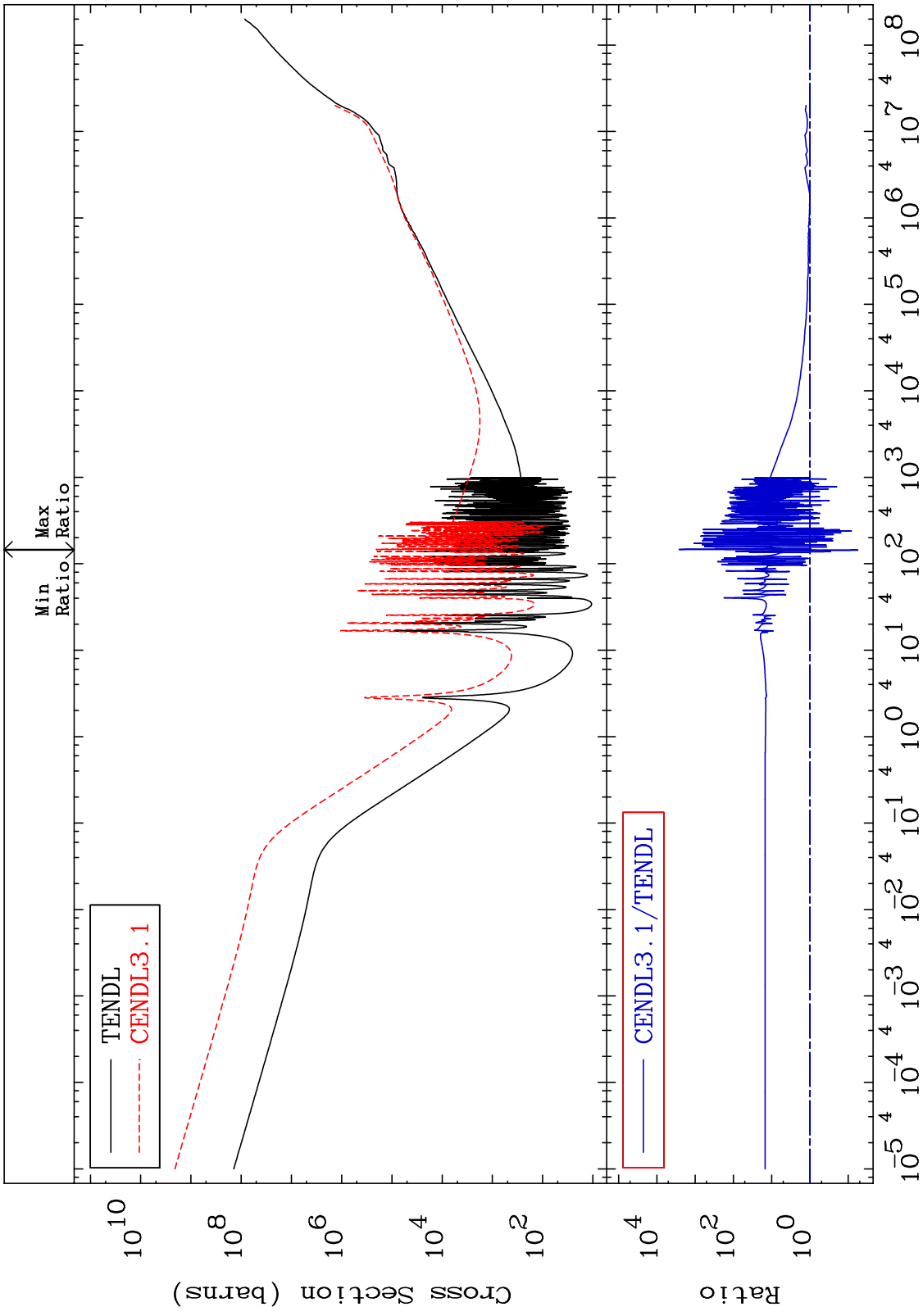


64-Gd-157
 Incident Energy (eV)

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

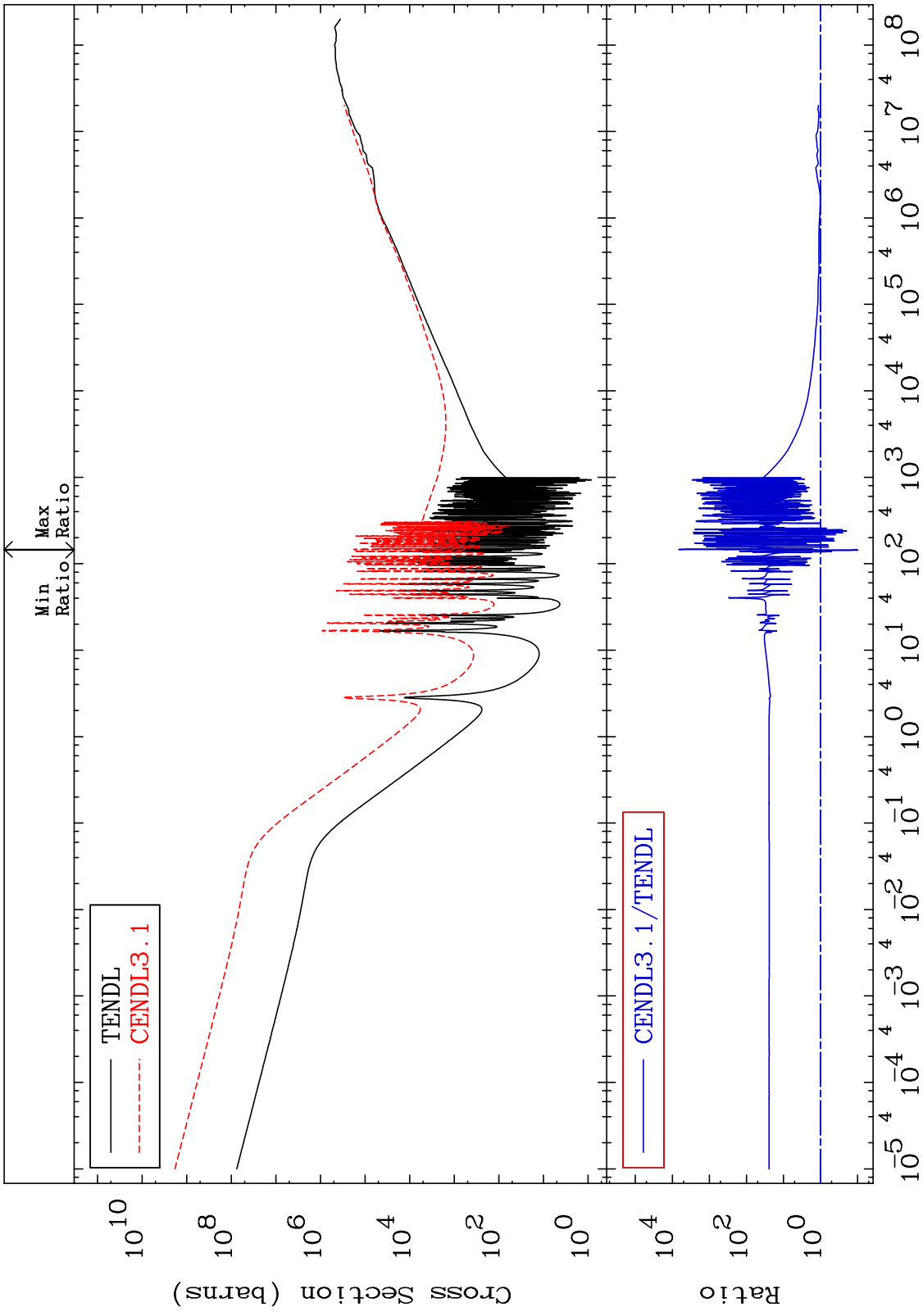


MAT 6440 Total kinematic kerma (high limit) 64-Gd-157
 -94.41 To 9999. %
 Cross Section



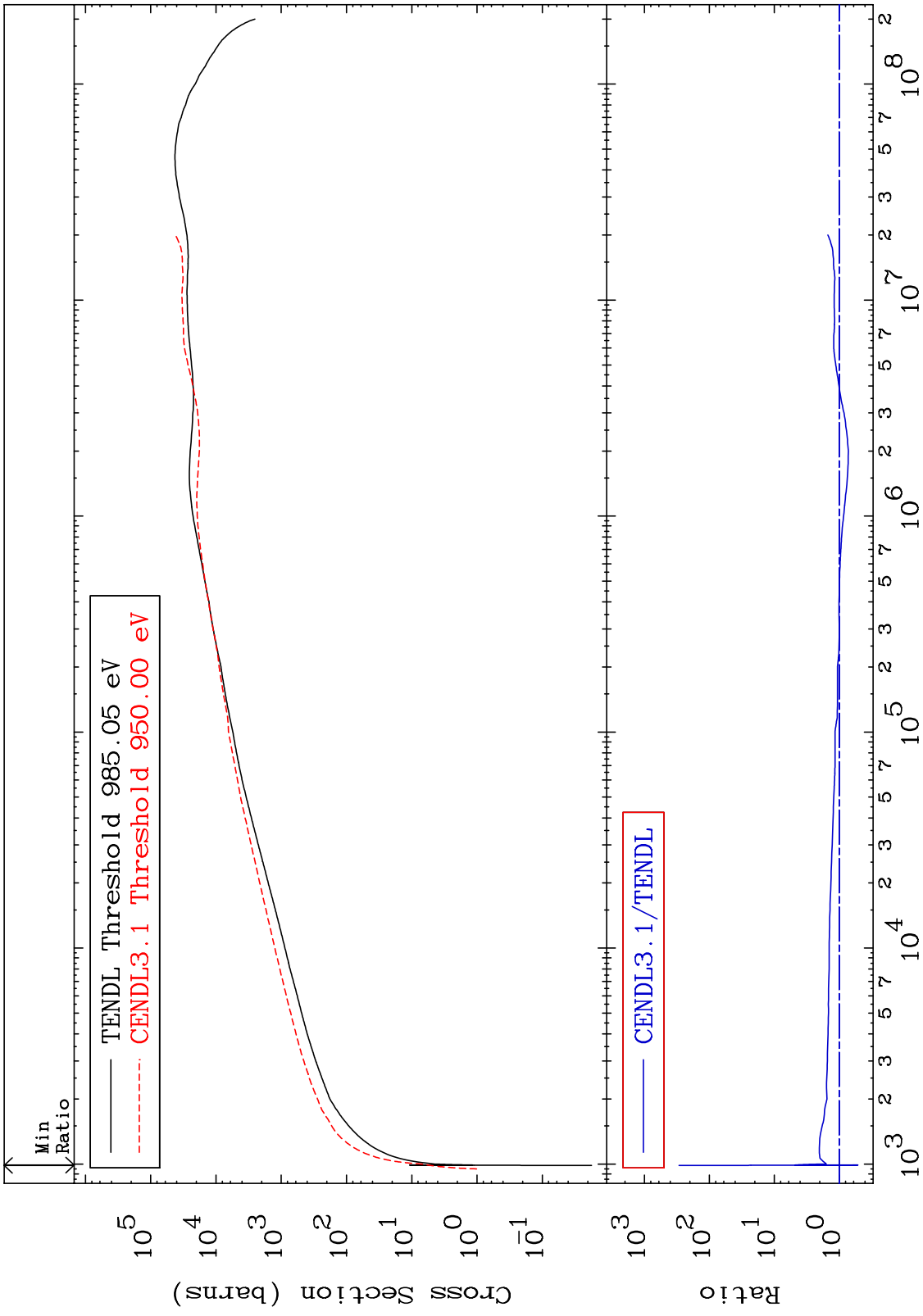
Incident Energy (eV) 64-Gd-157

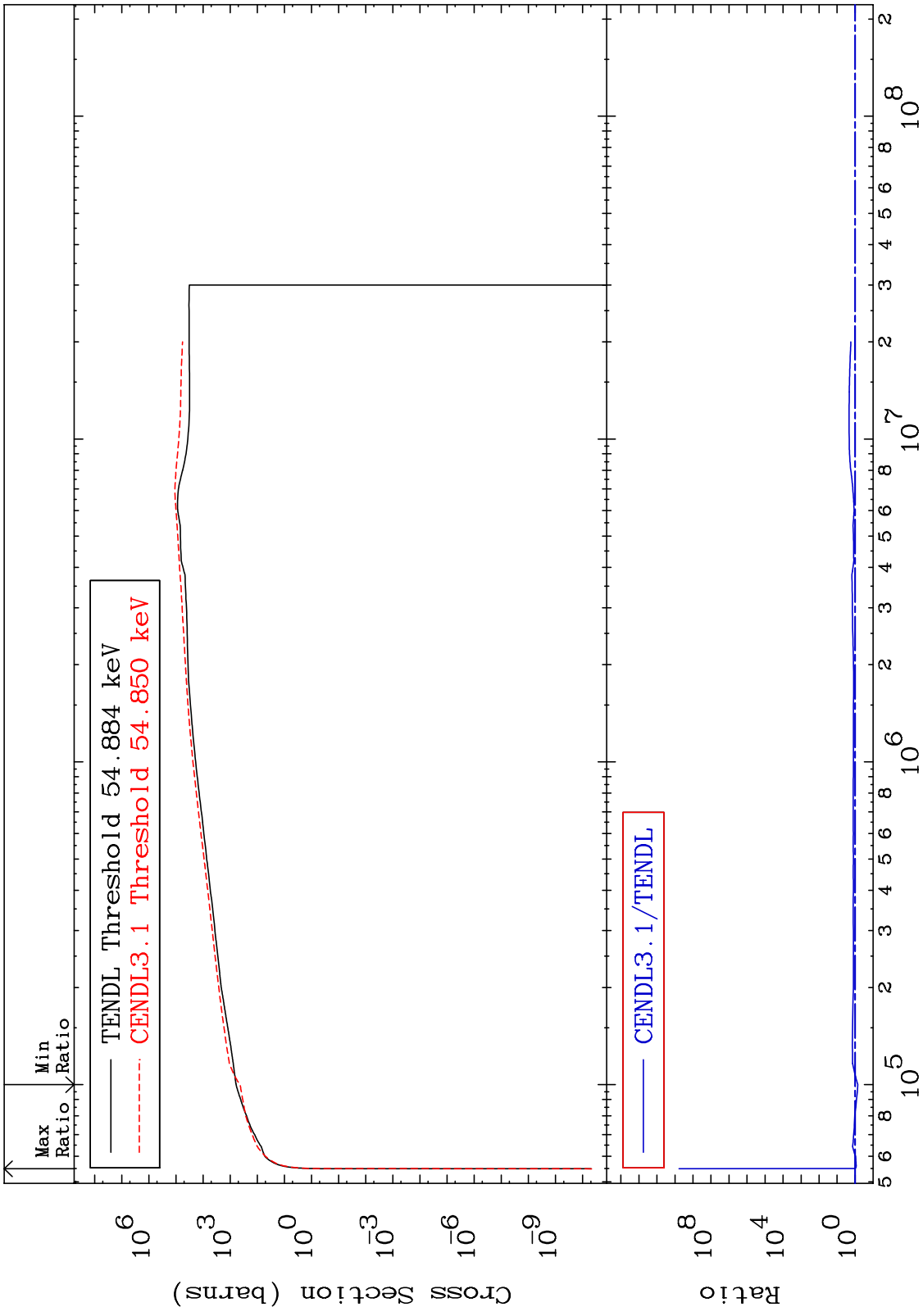
MAT 6440 Dpa total (eV-barns) 64-Gd-157
 -90.20 To 9999. %
 Cross Section



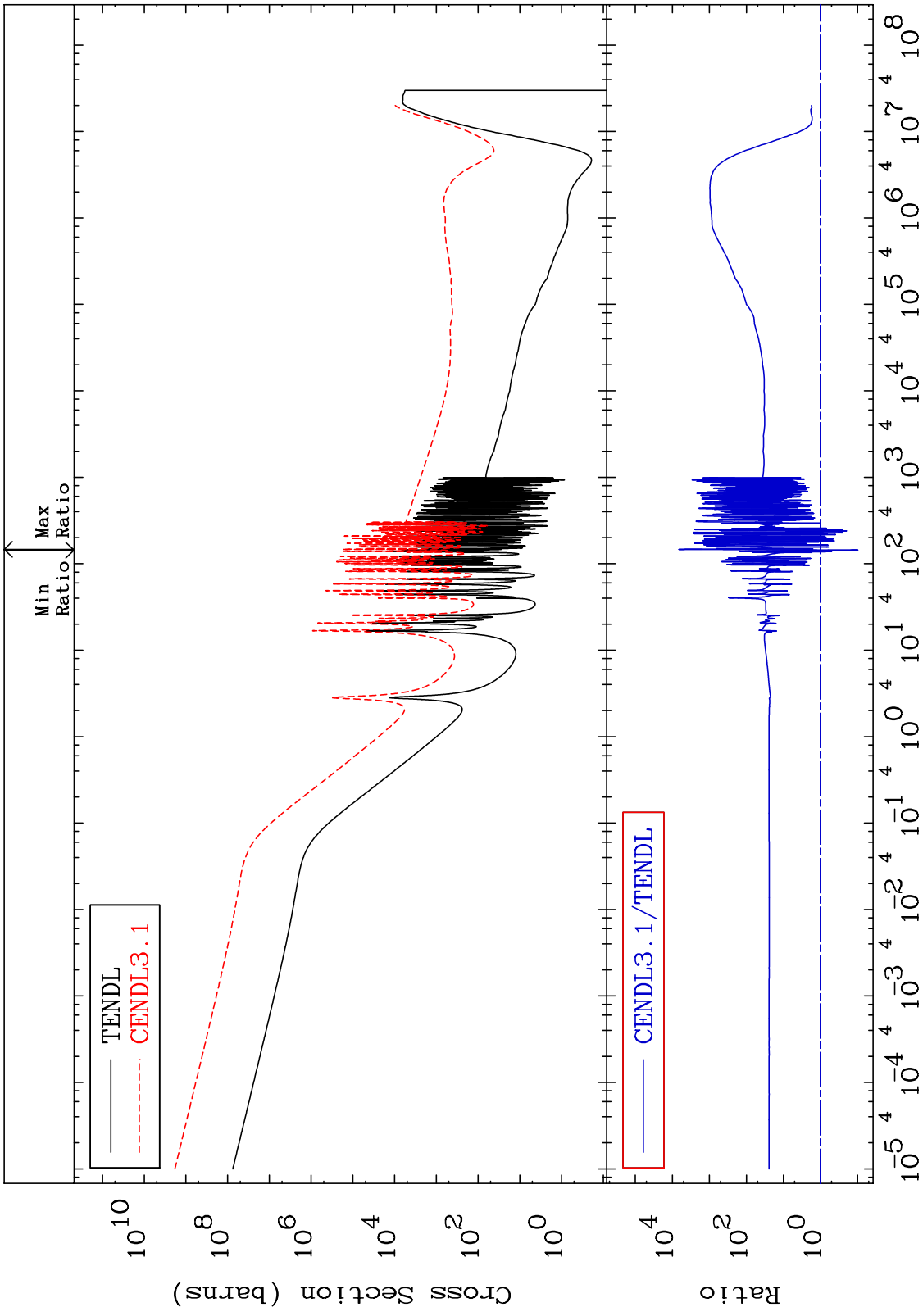
Incident Energy (eV) 64-Gd-157

MAT 6440 Dpa elastic (mt2) 64-Gd-157
 Cross Section -48.23 To 9999. %

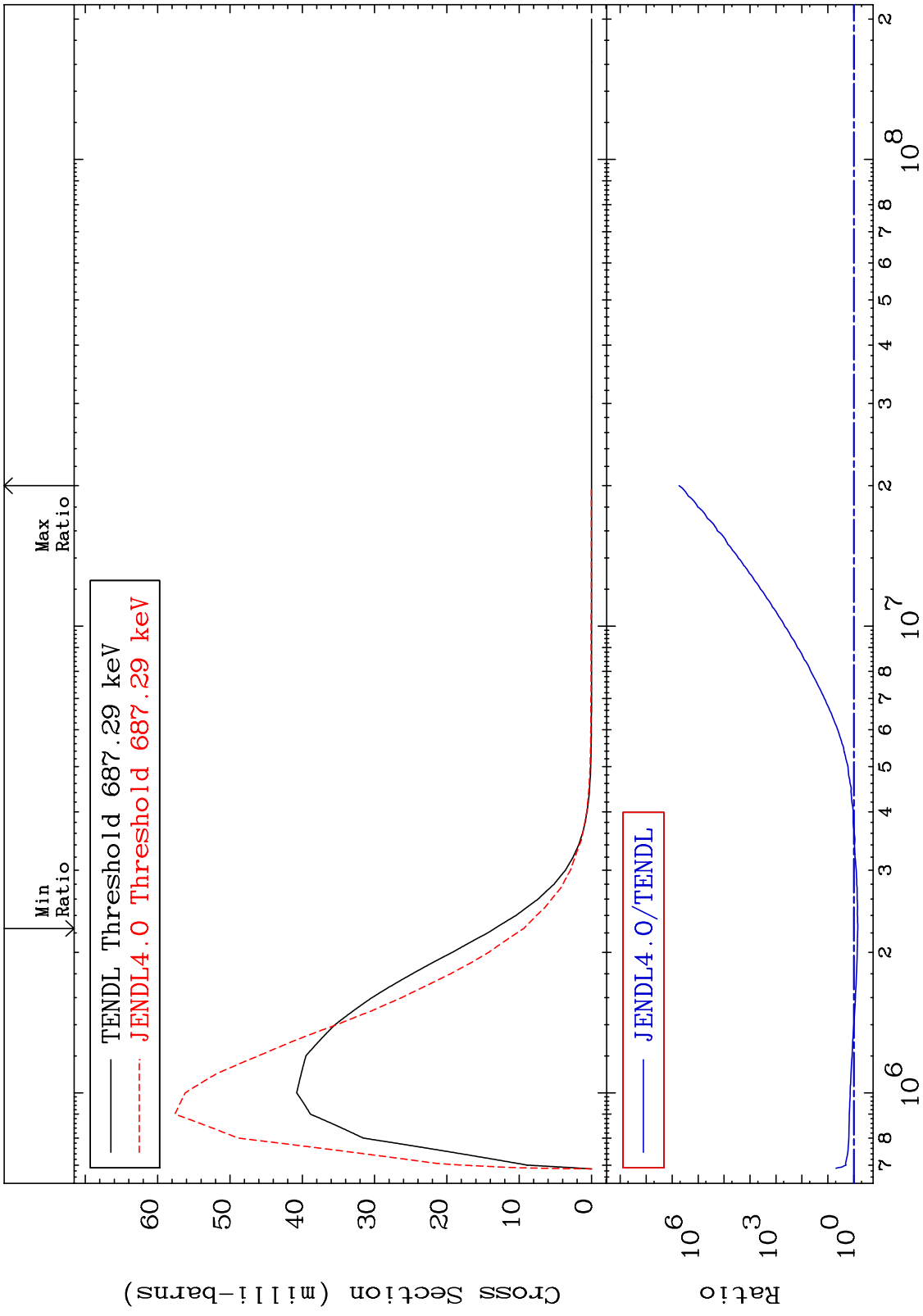




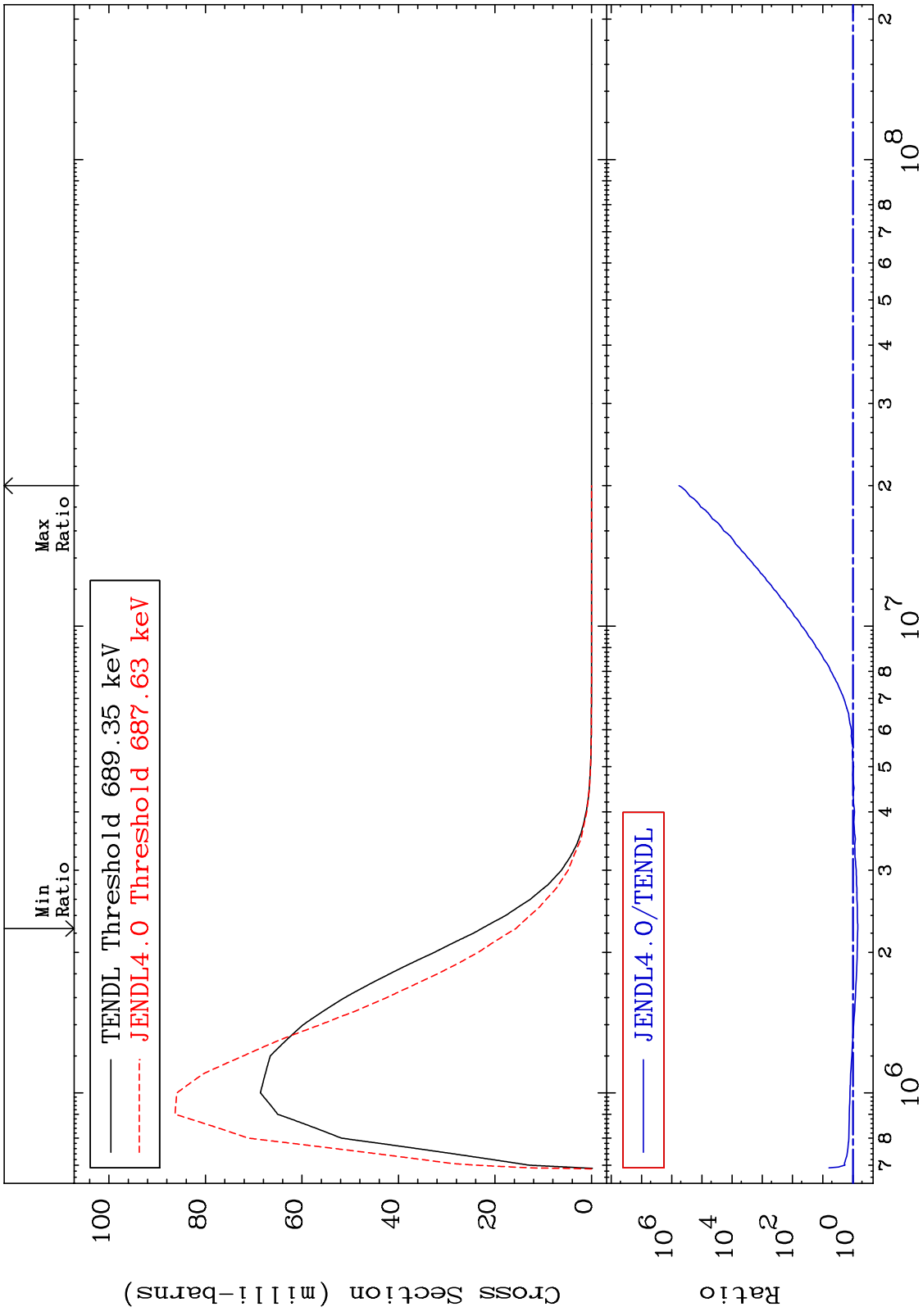
MAT 6440 Dpa disappearance (mt102 -120) 64-Gd-157
 Cross Section -90.20 To 9999. %



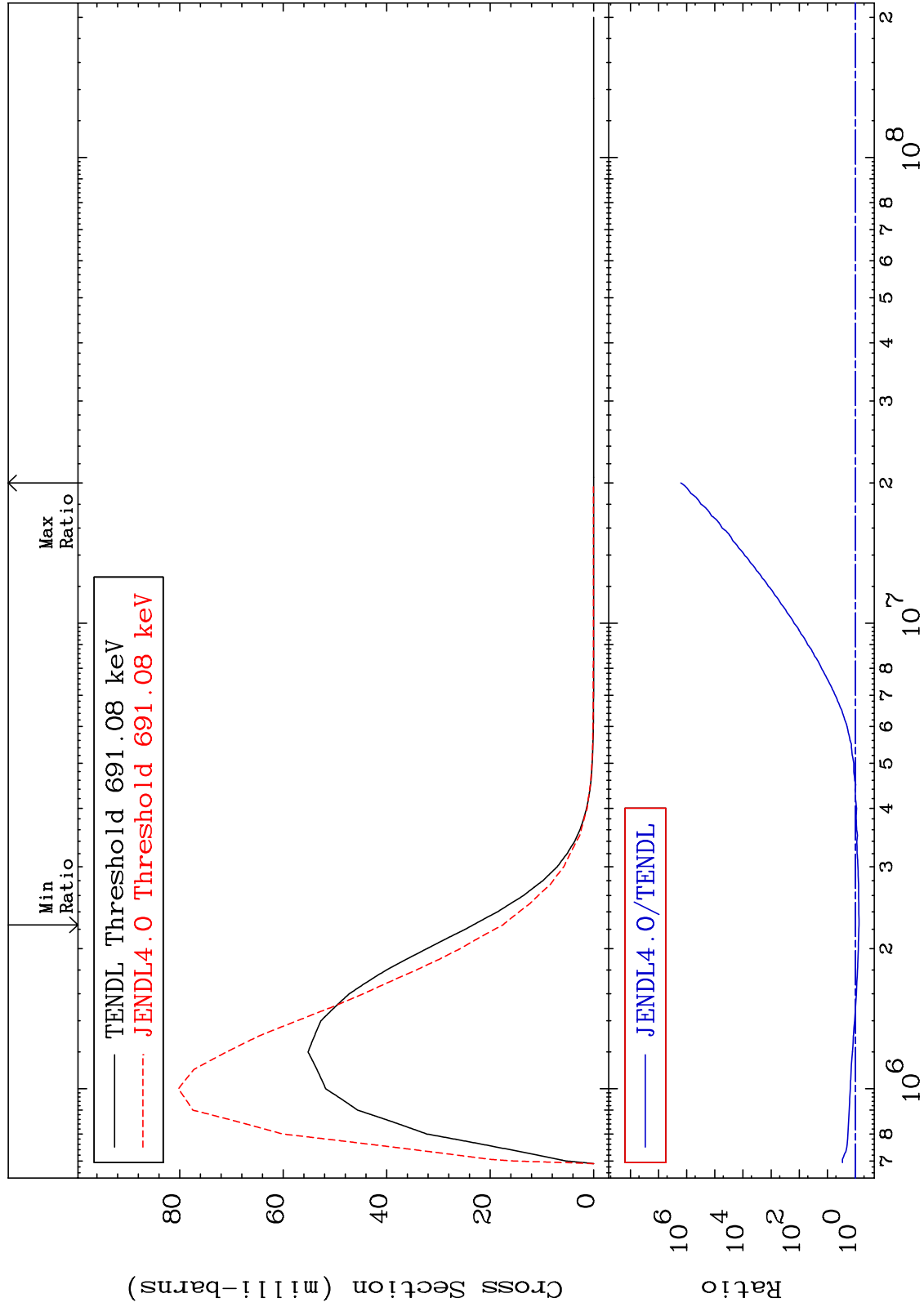
MAT 6440 MT= 77 (n,n') Level Cross Section 64-Gd-157
 -30.09 To 9999. %



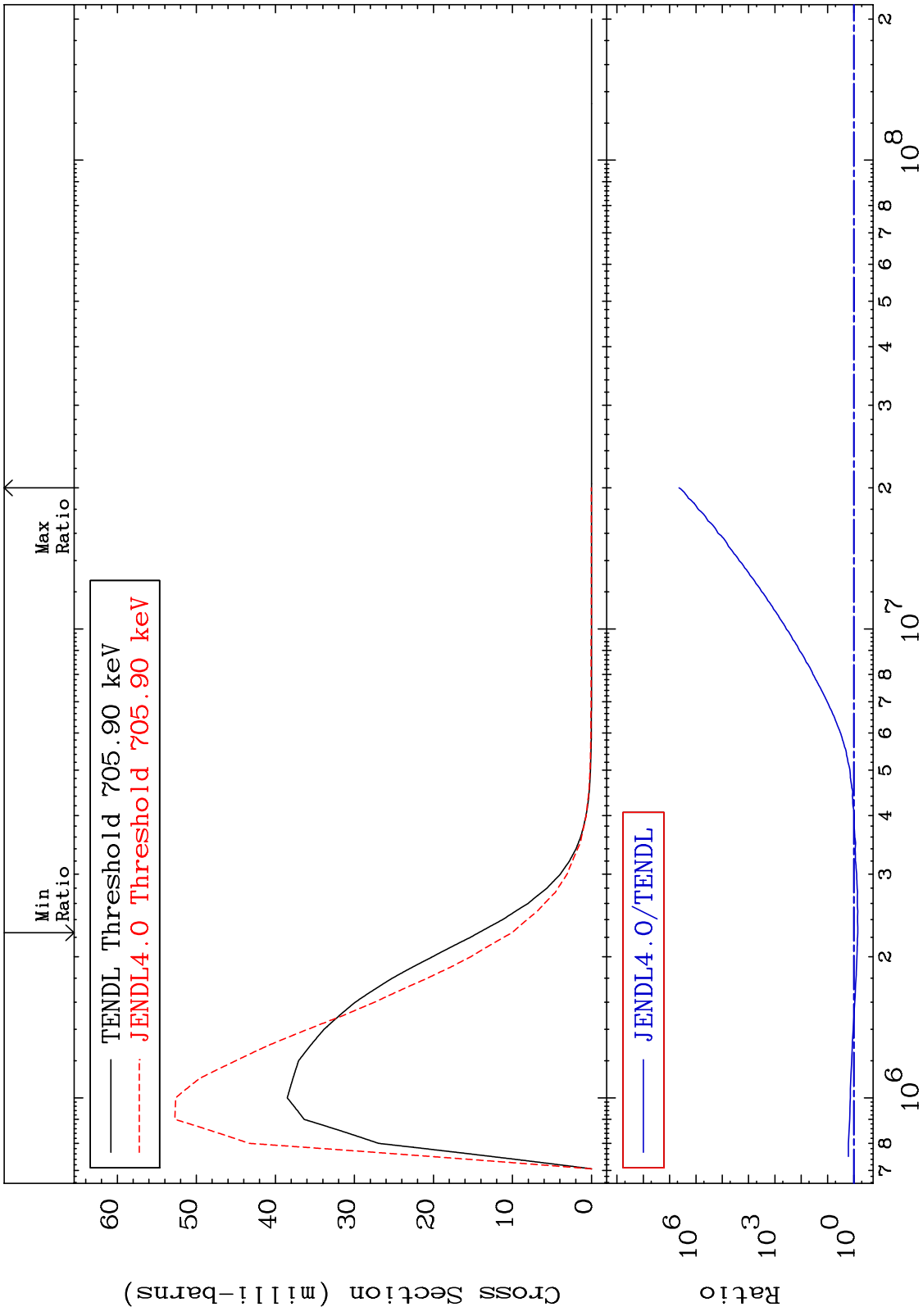
MAT 6440 MT= 78 (n,n') Level Cross Section 64-Gd-157
 -31.17 To 9999. %



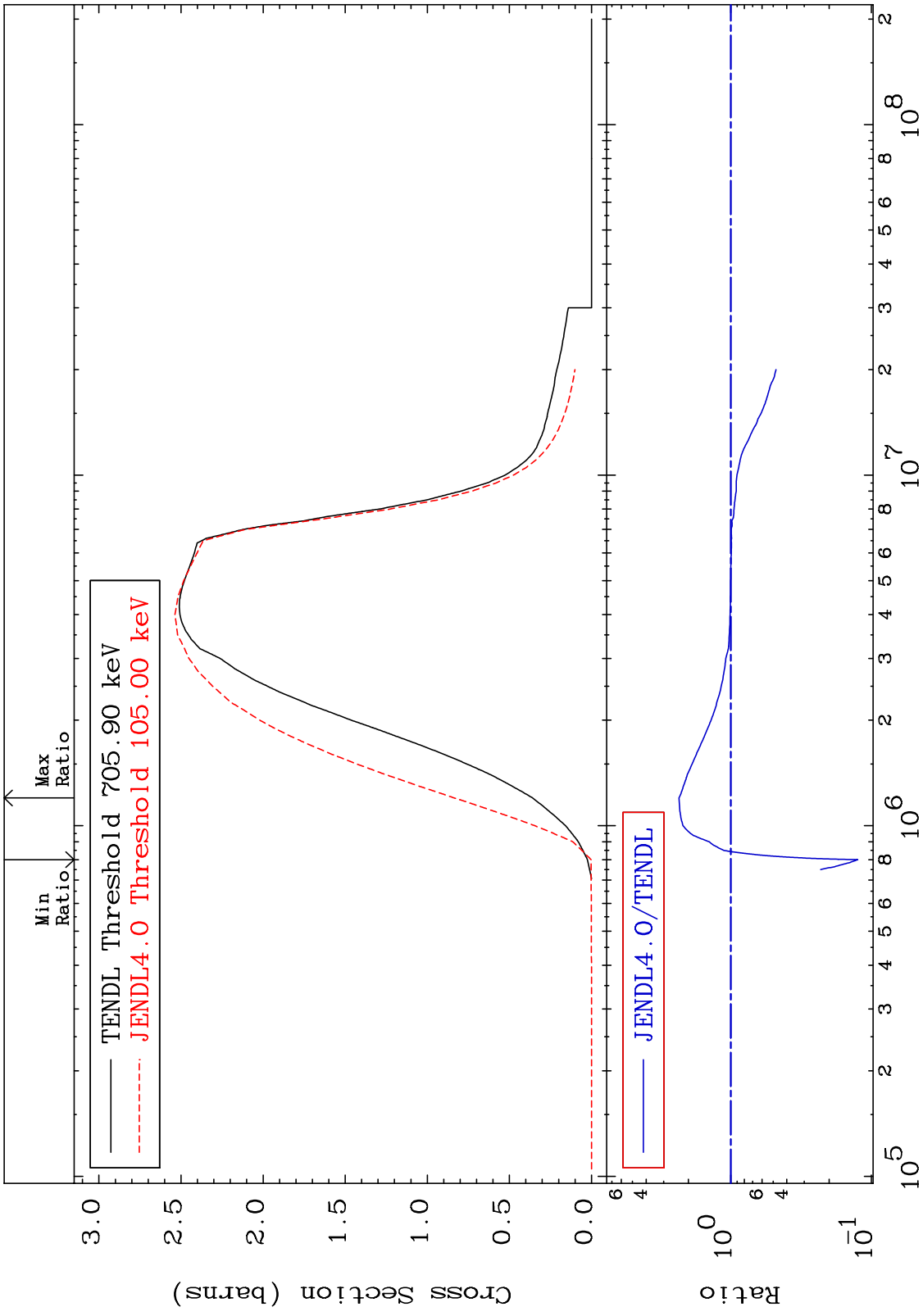
MAT 6440 MT= 79 (n,n') Level 64-Gd-157
 Cross Section -24.64 To 9999. %



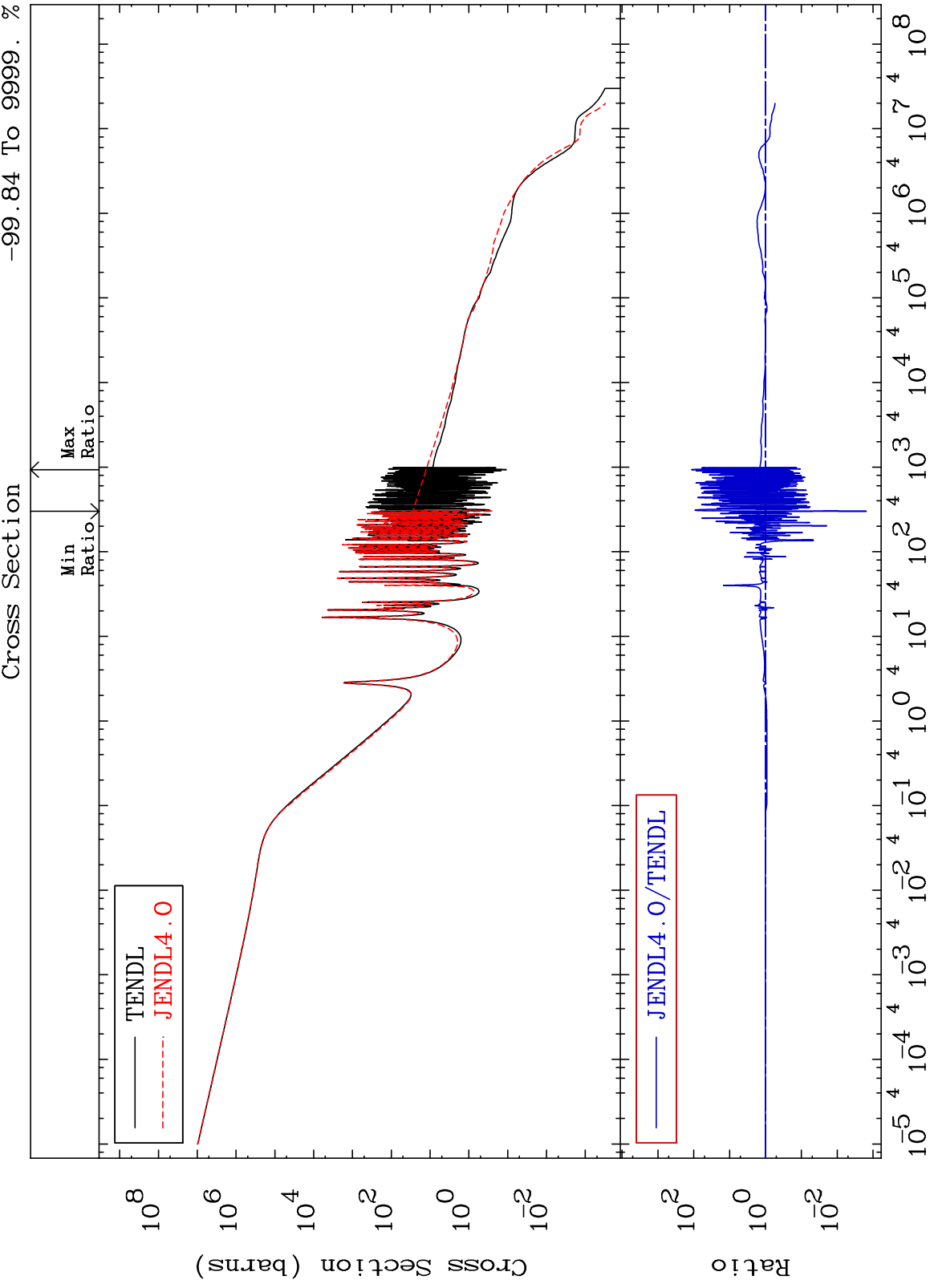
MAT 6440 MT= 80 (n,n') Level Cross Section 64-Gd-157
-29.53 To 9999. %



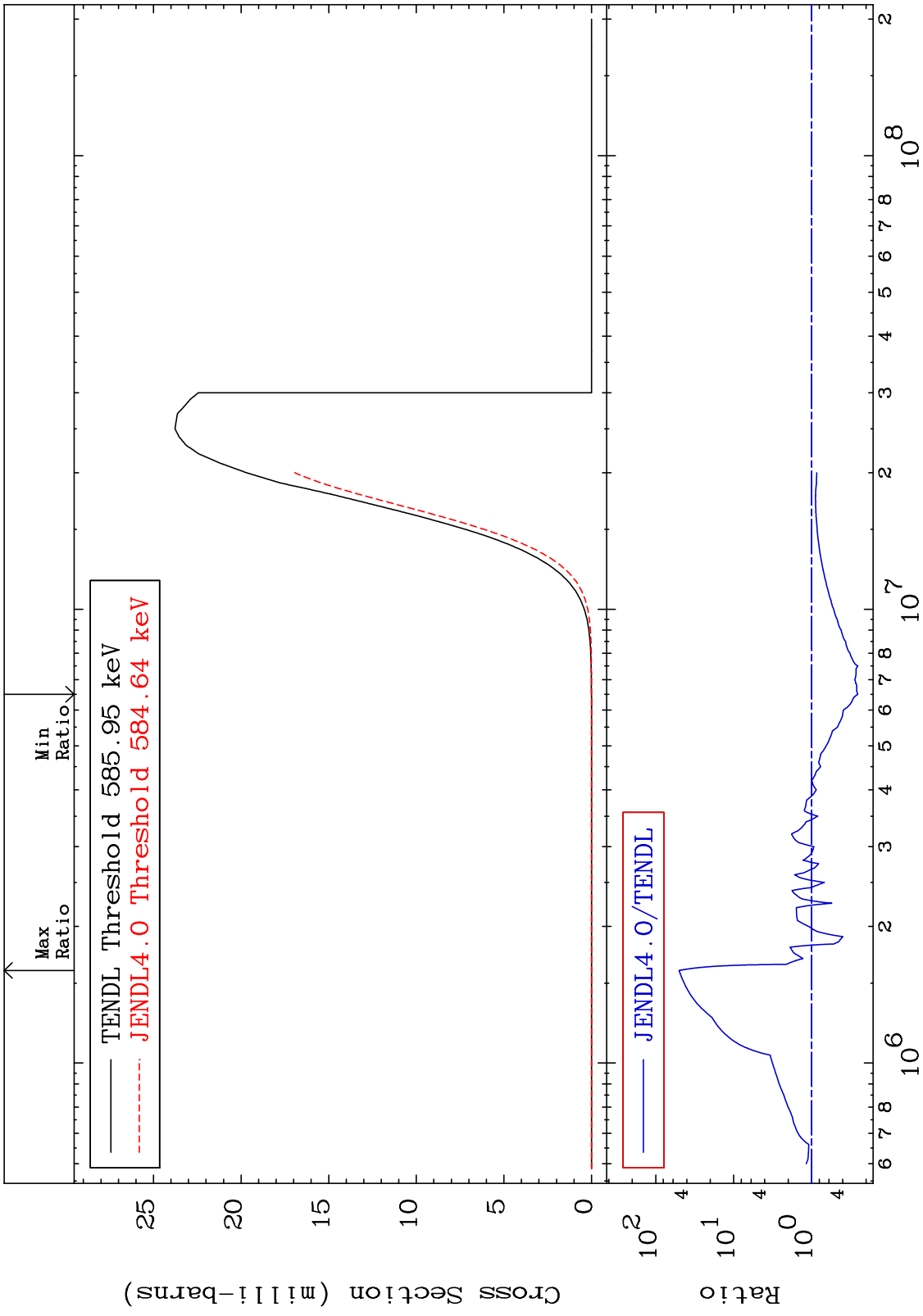
40 64-Gd-157



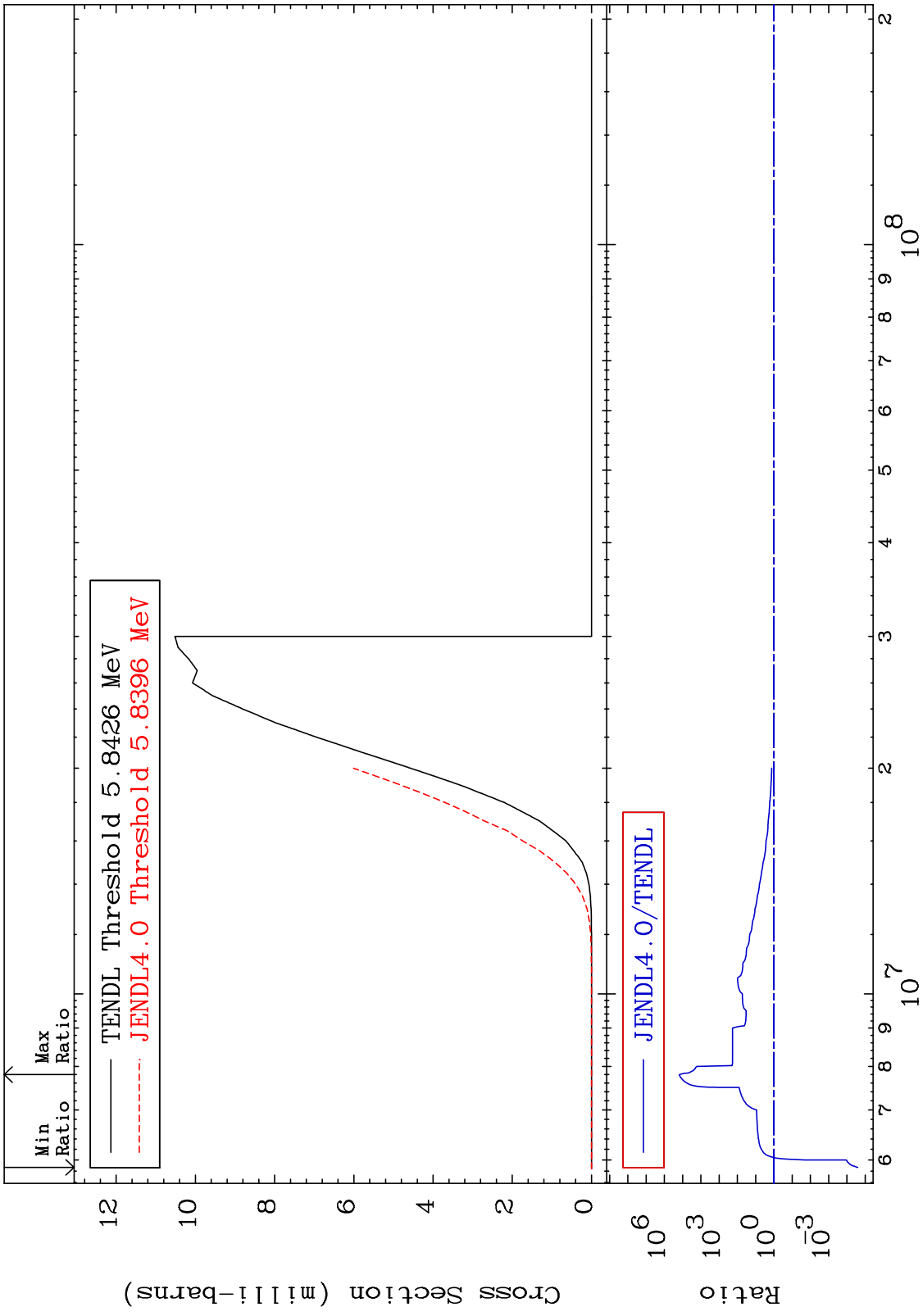
MAT 6440 (n, γ) 64-Gd-157 -99.84 To 9999. %

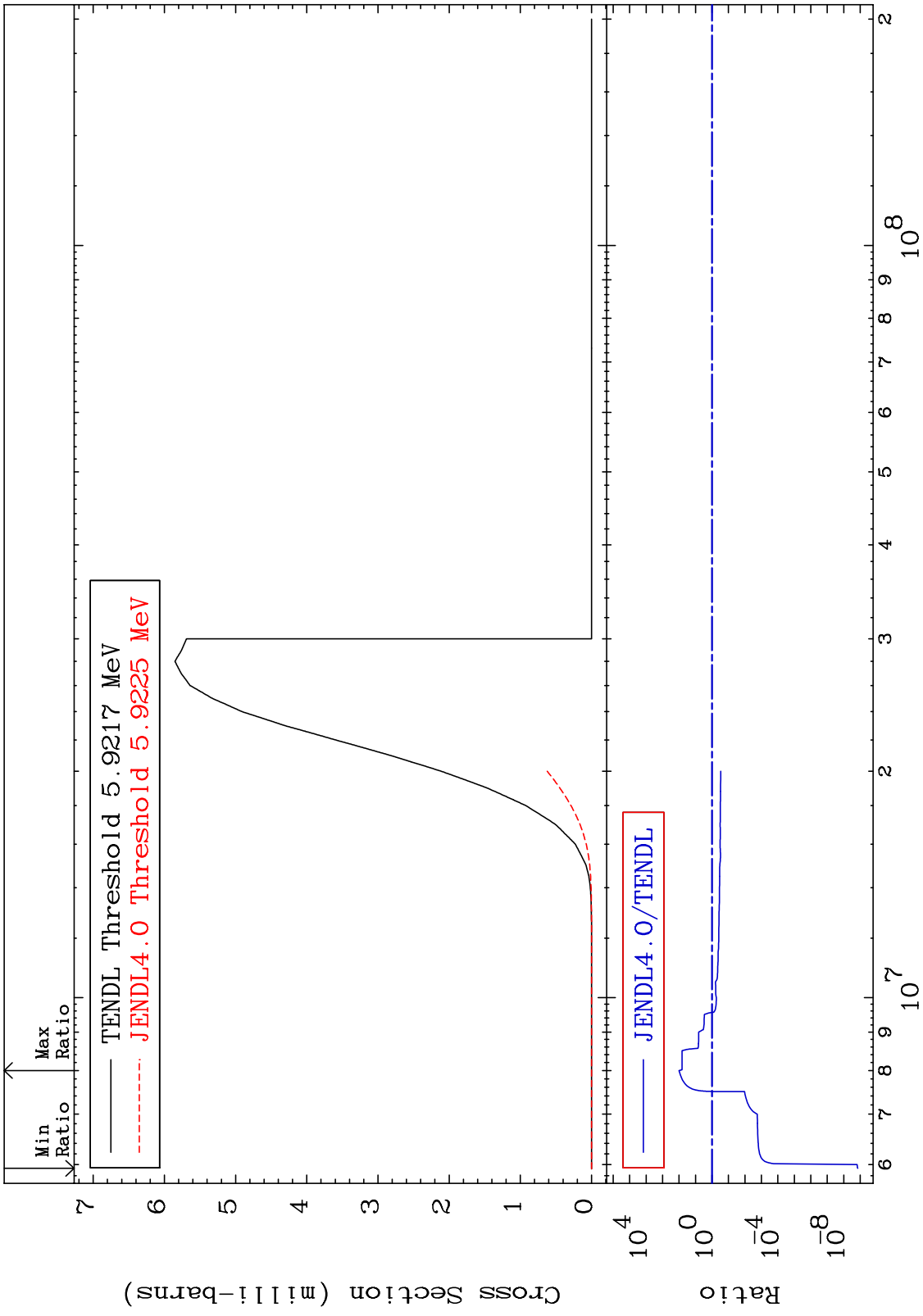


MAT 6440 (n,p) Cross Section 64-Gd-157 -74.42 To 4927. %

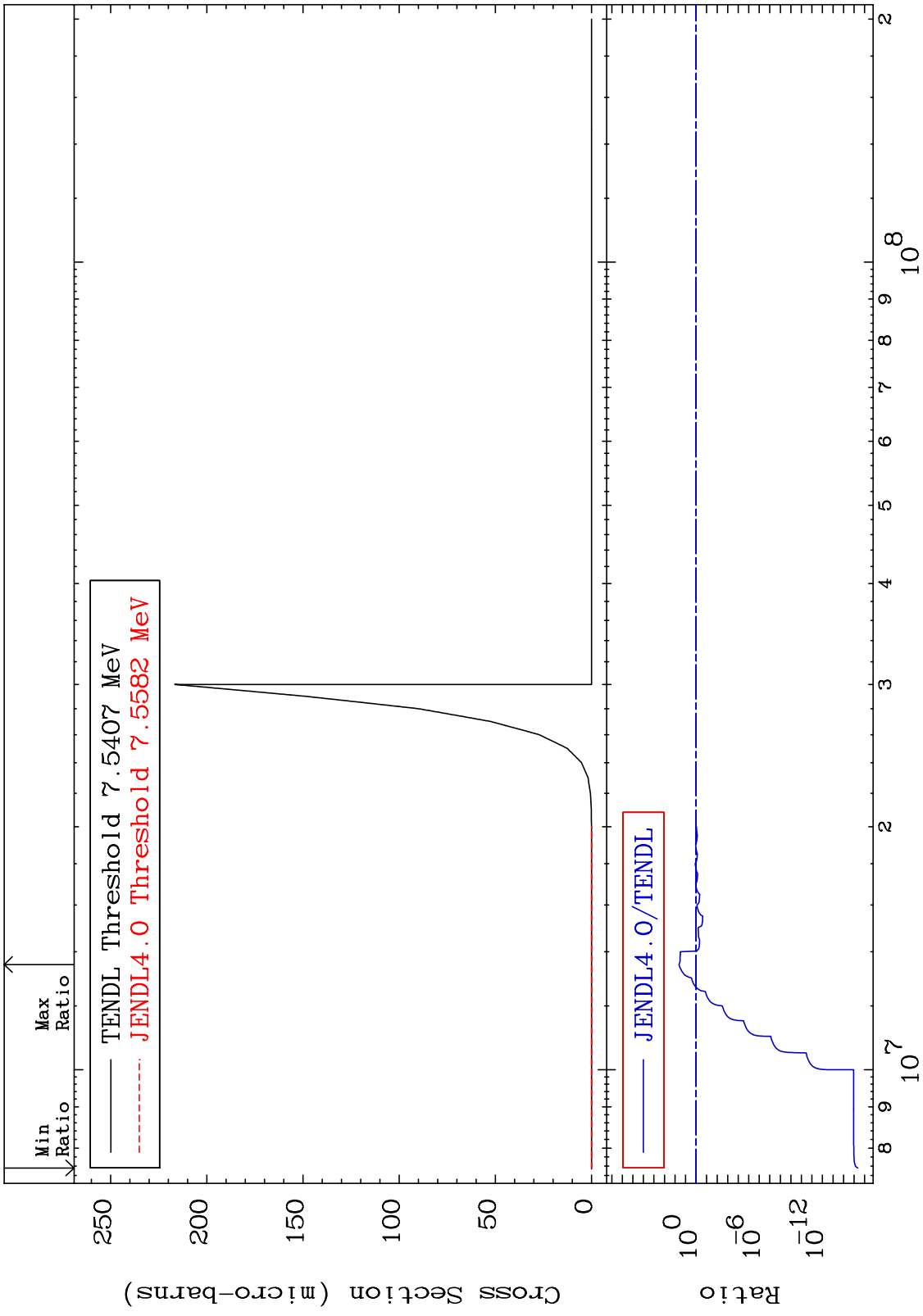


MAT 6440 (n,d) Cross Section 64-Gd-157 -100.0 To 9999. %

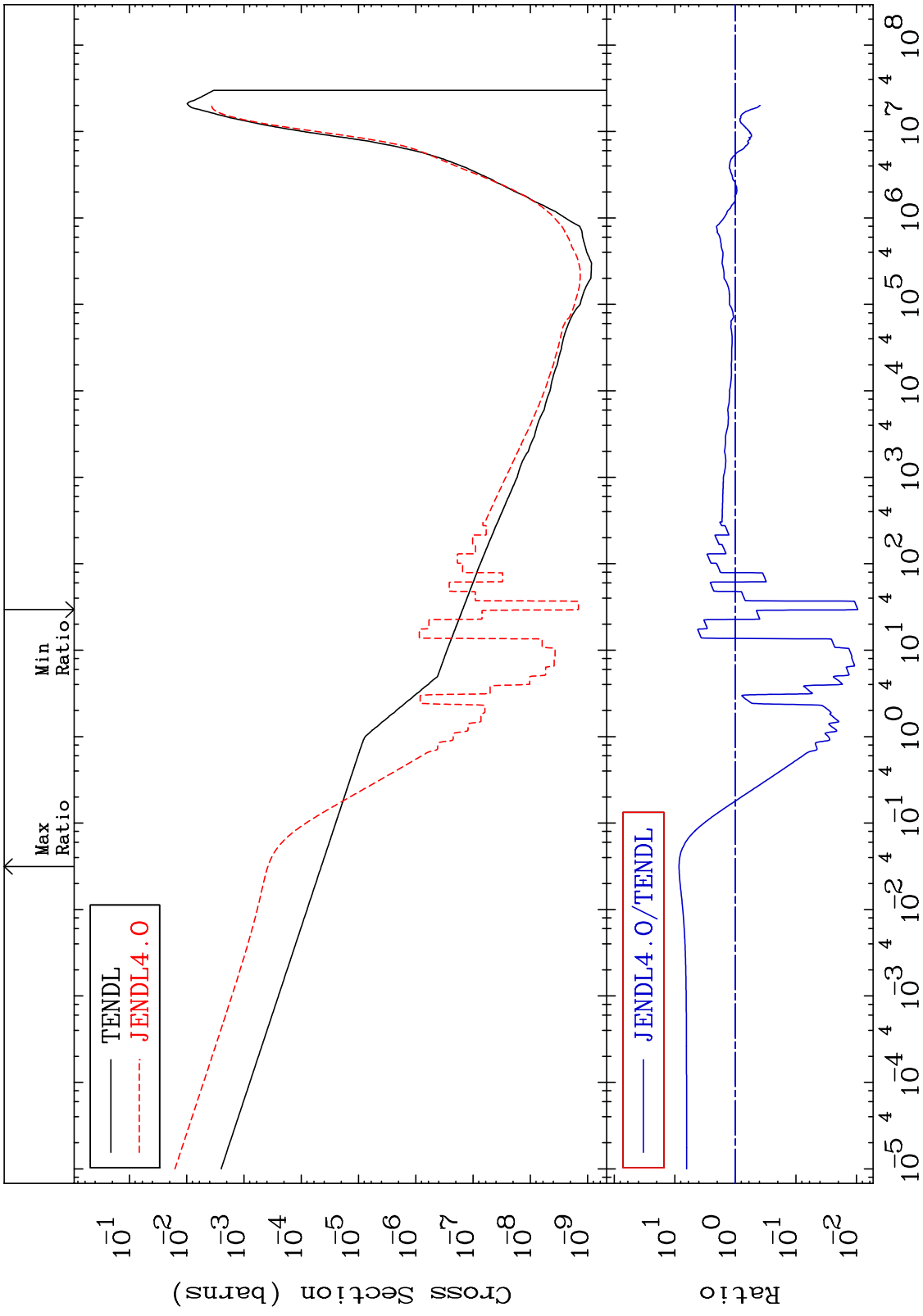




MAT 6440 (n, He-3) 64-Gd-157
 Cross Section -100.0 To 4025. %



MAT 6440 64-Gd-157
-99.05 To 753.6 %
 (n, α)
 Cross Section

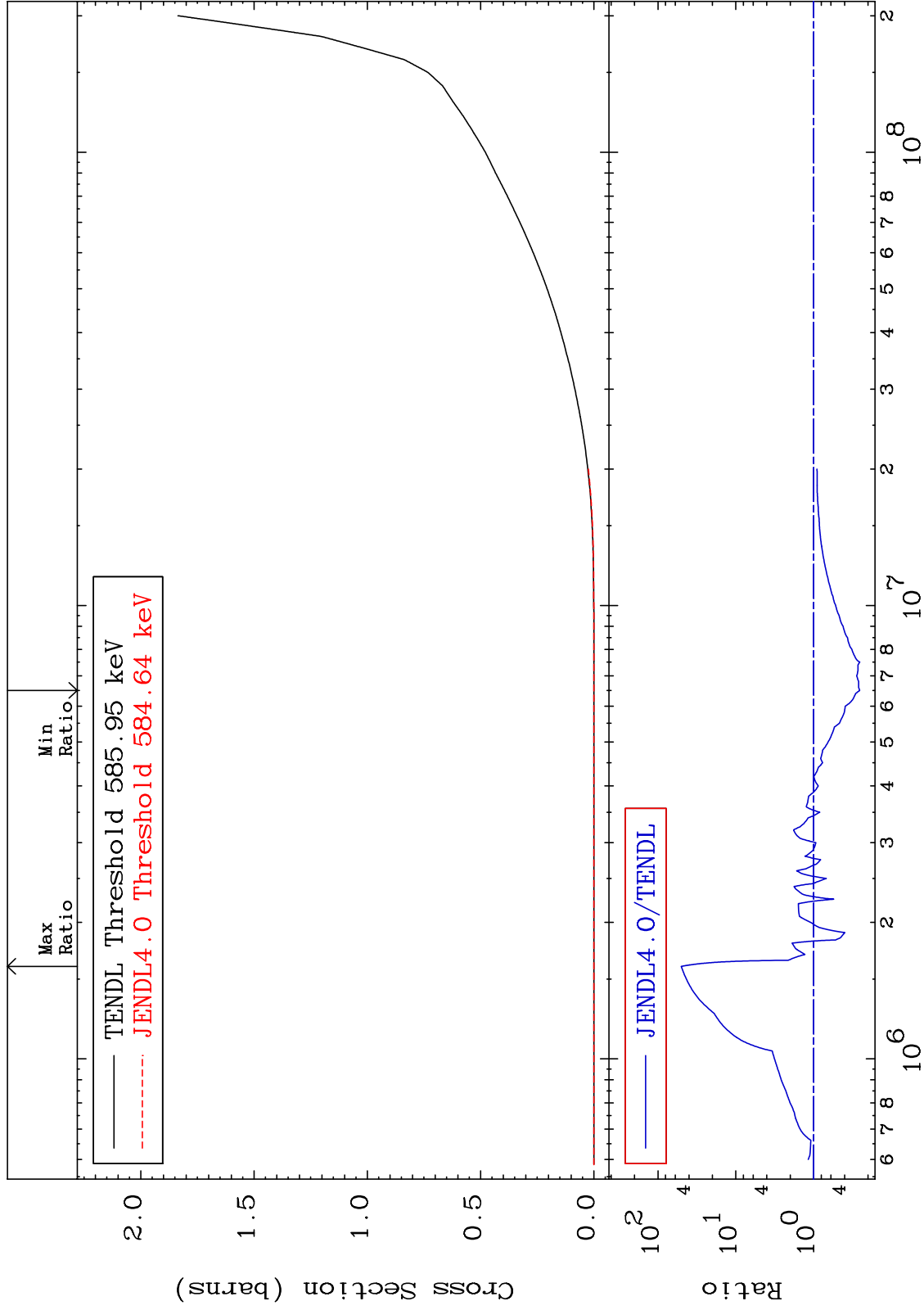


47 64-Gd-157

MAT 6440

Hydrogen Production
Cross Section

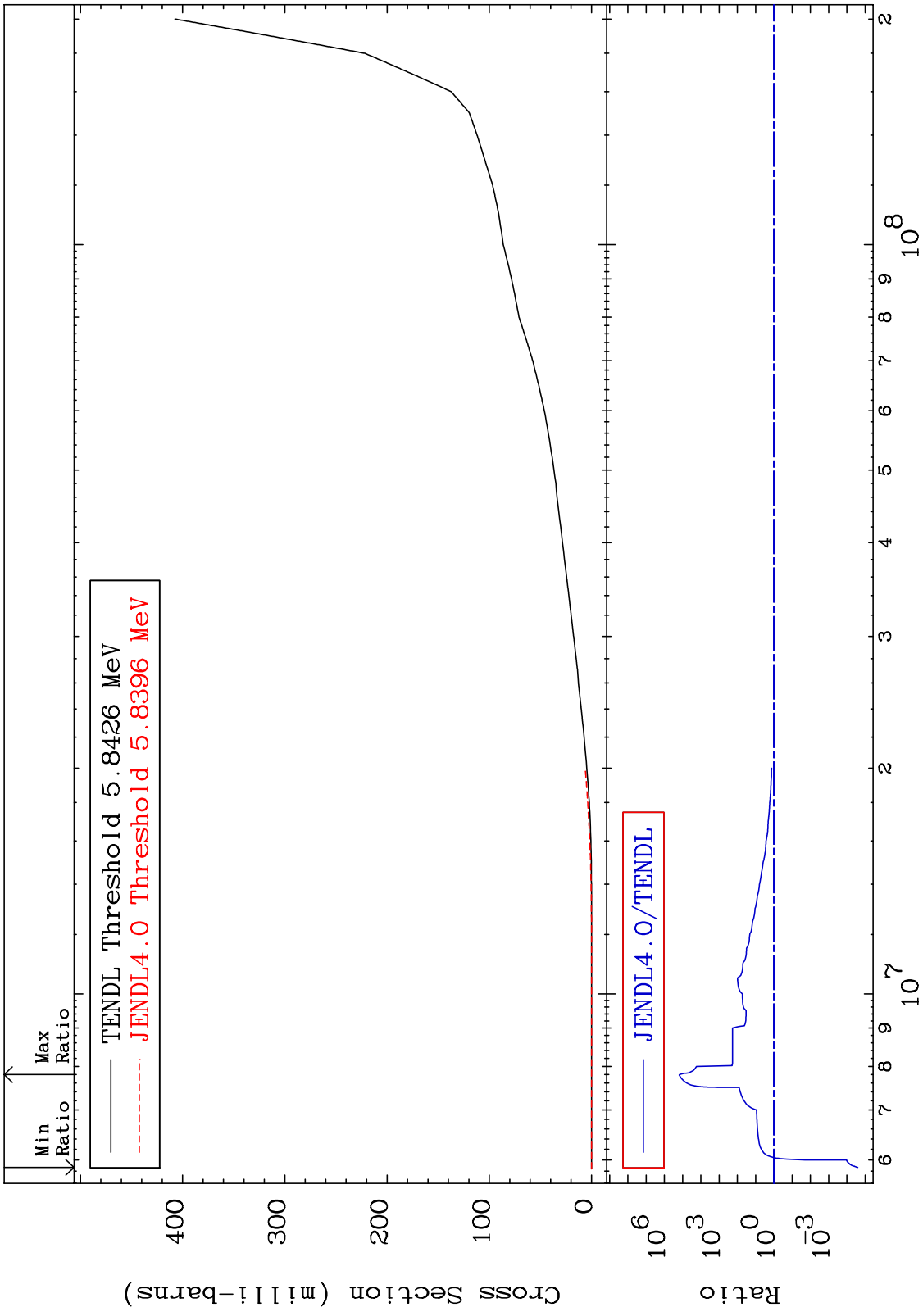
64-Gd-157
-74.42 To 4927. %



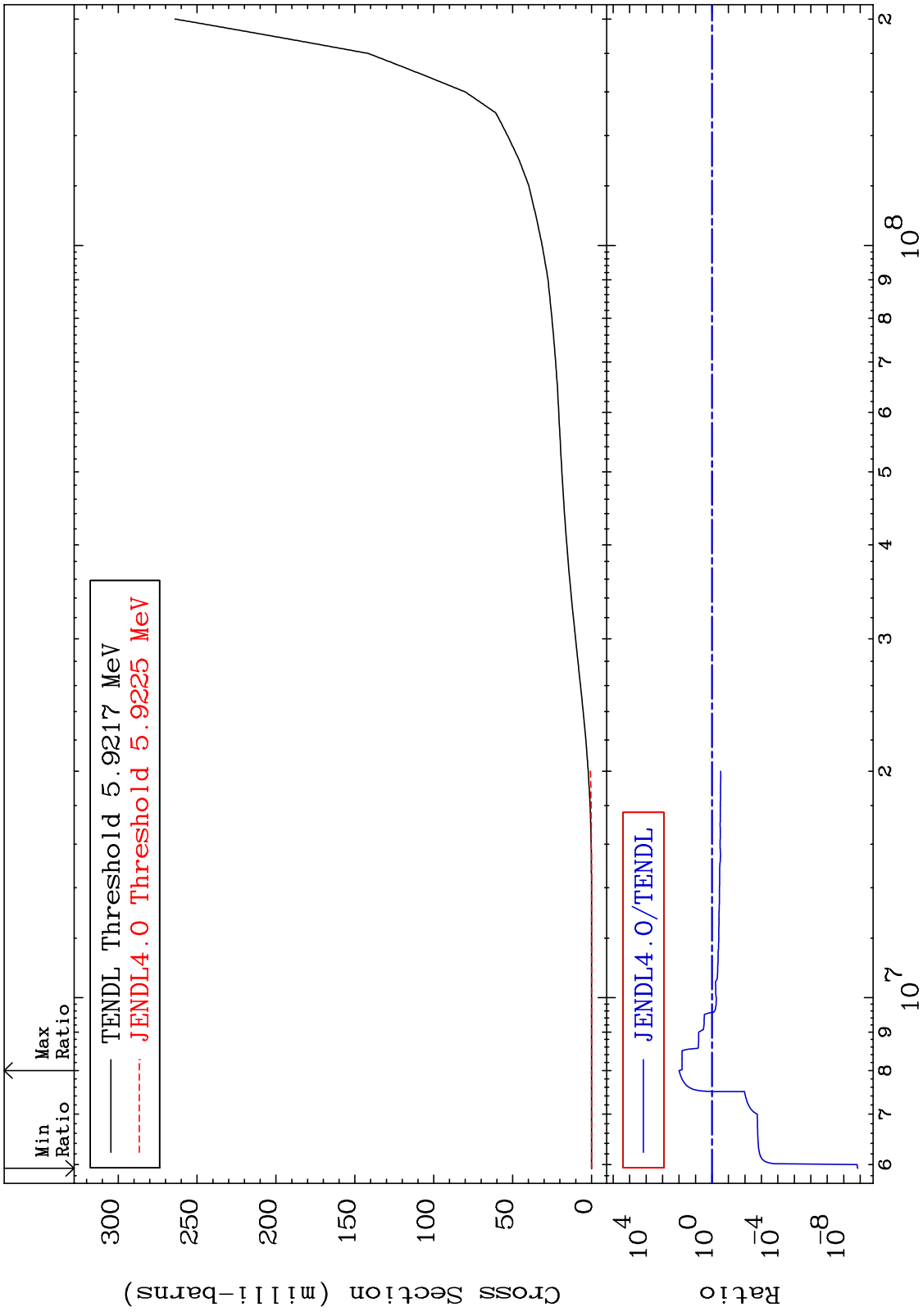
48

Incident Energy (eV)

64-Gd-157

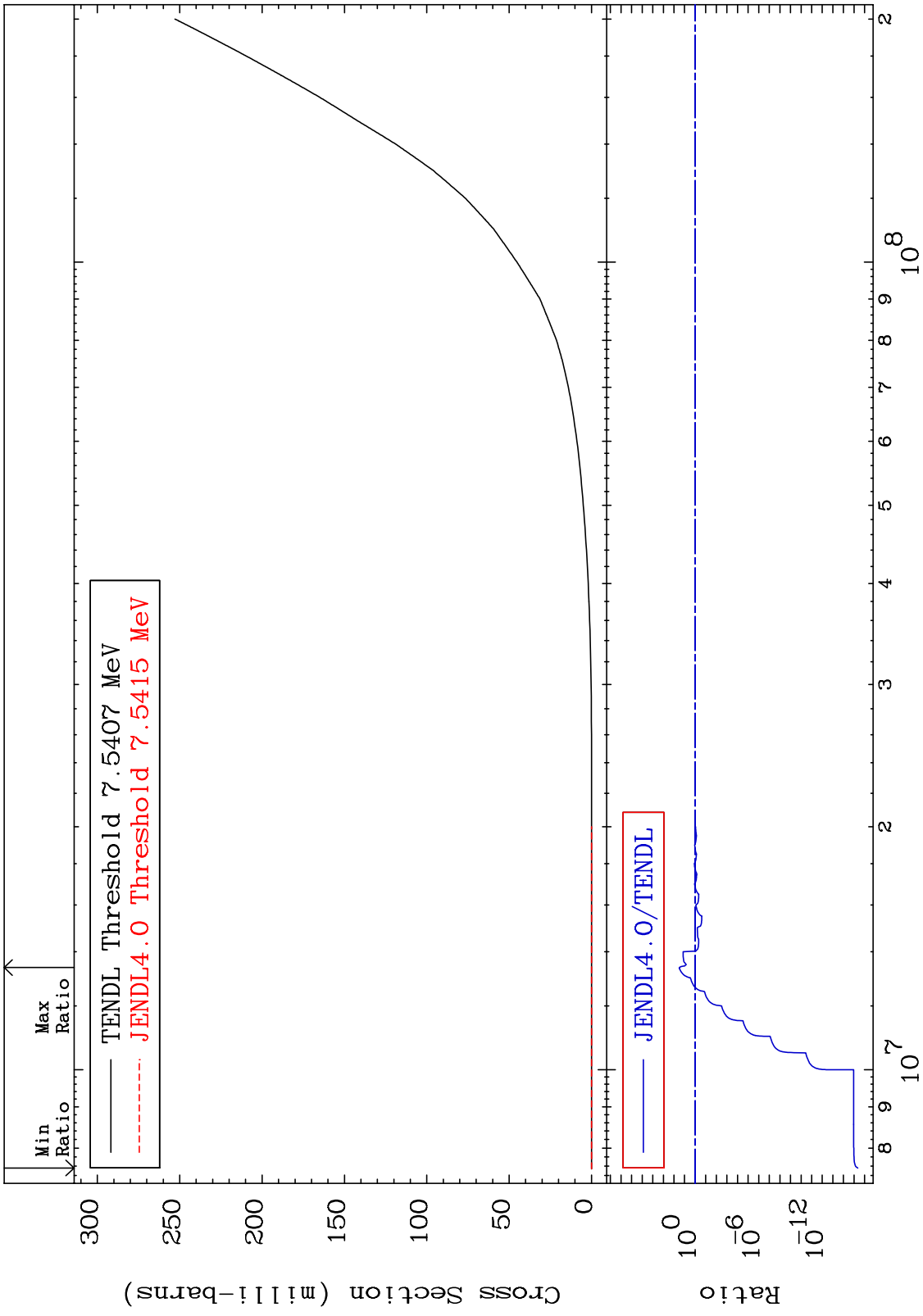


MAT 6440 Tritium Production Cross Section 64-Gd-157 -100.0 To 9901. %

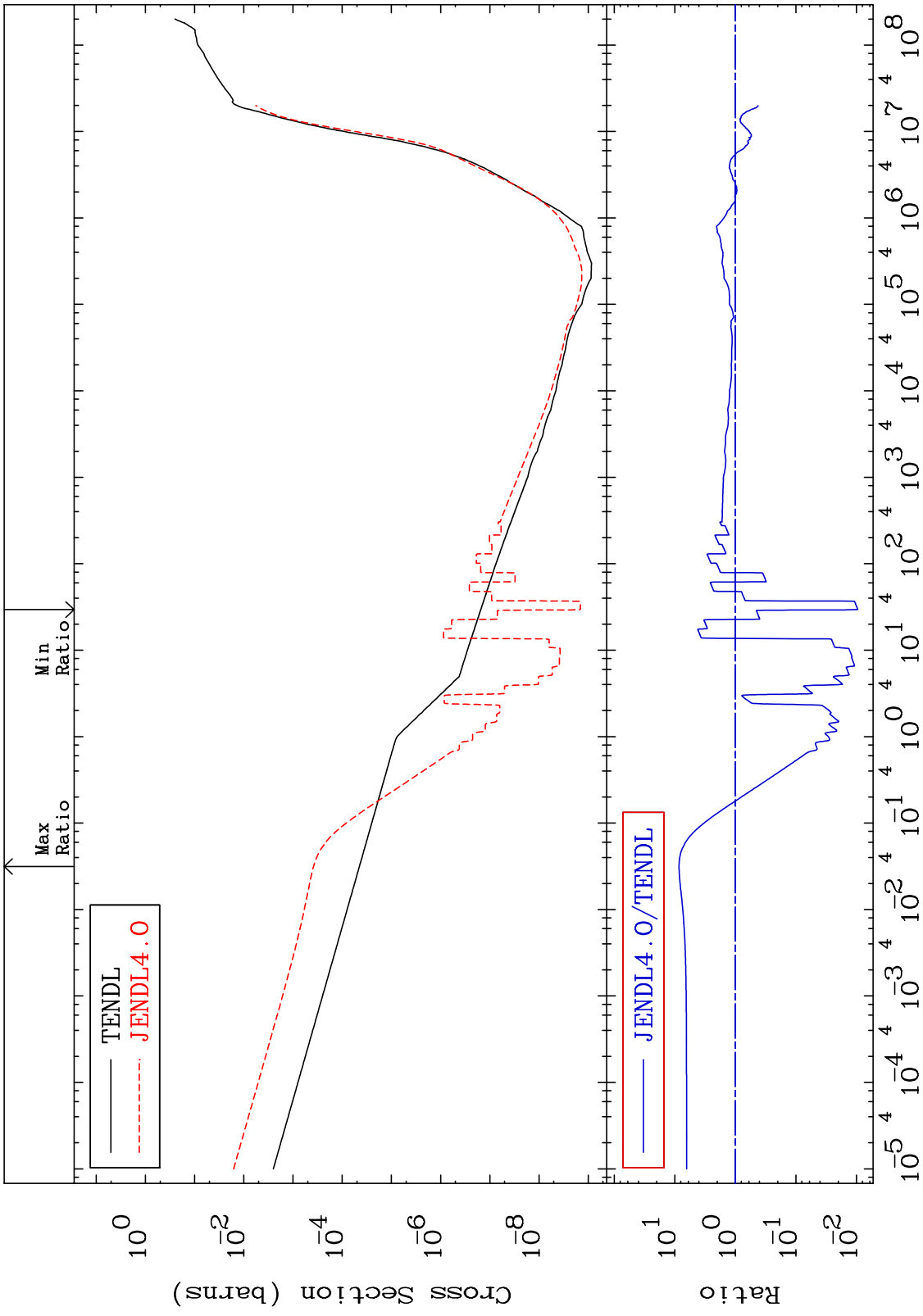


50 64-Gd-157

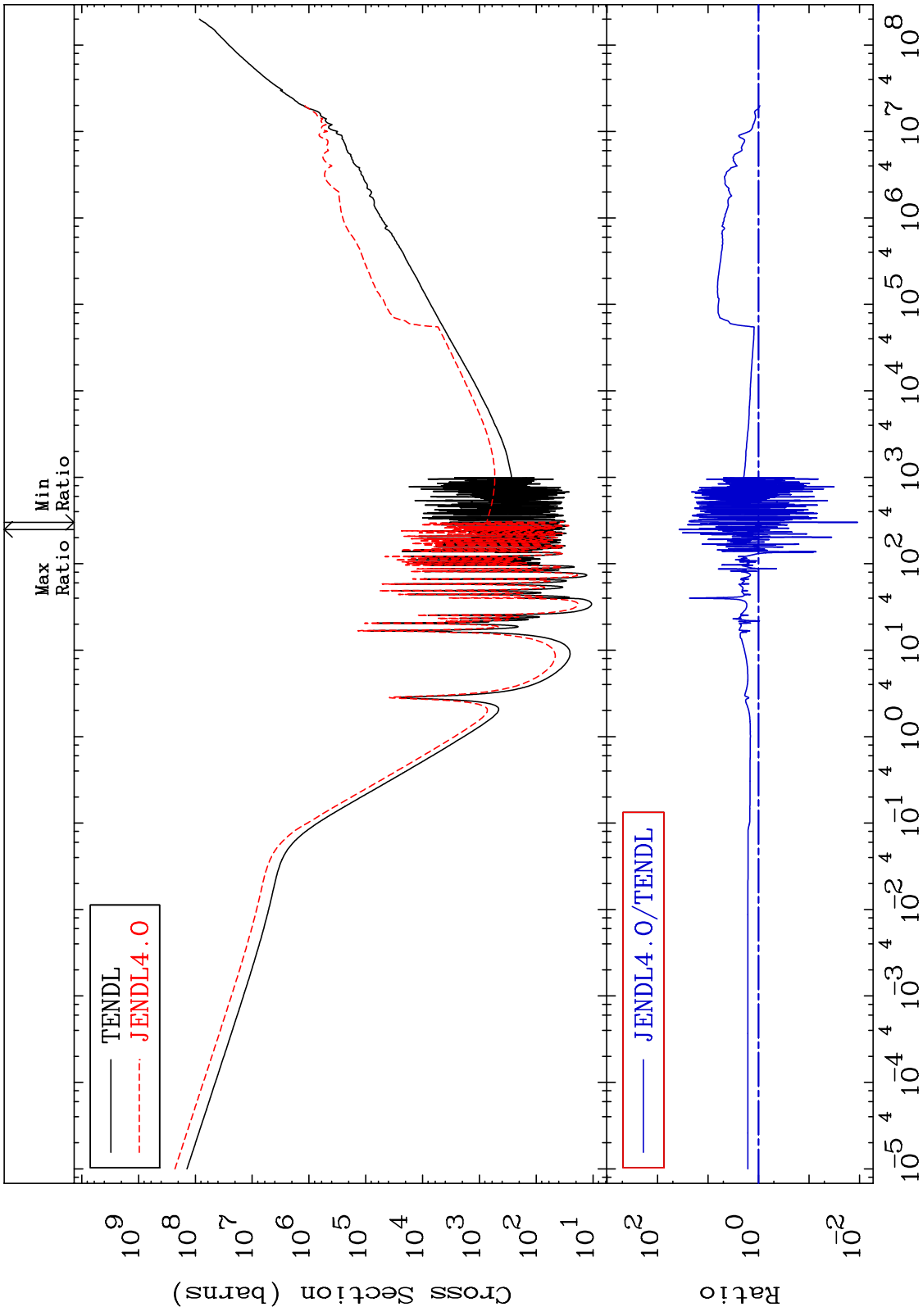
MAT 6440 He-3 Production Cross Section 64-Gd-157 -100.0 To 3200. %



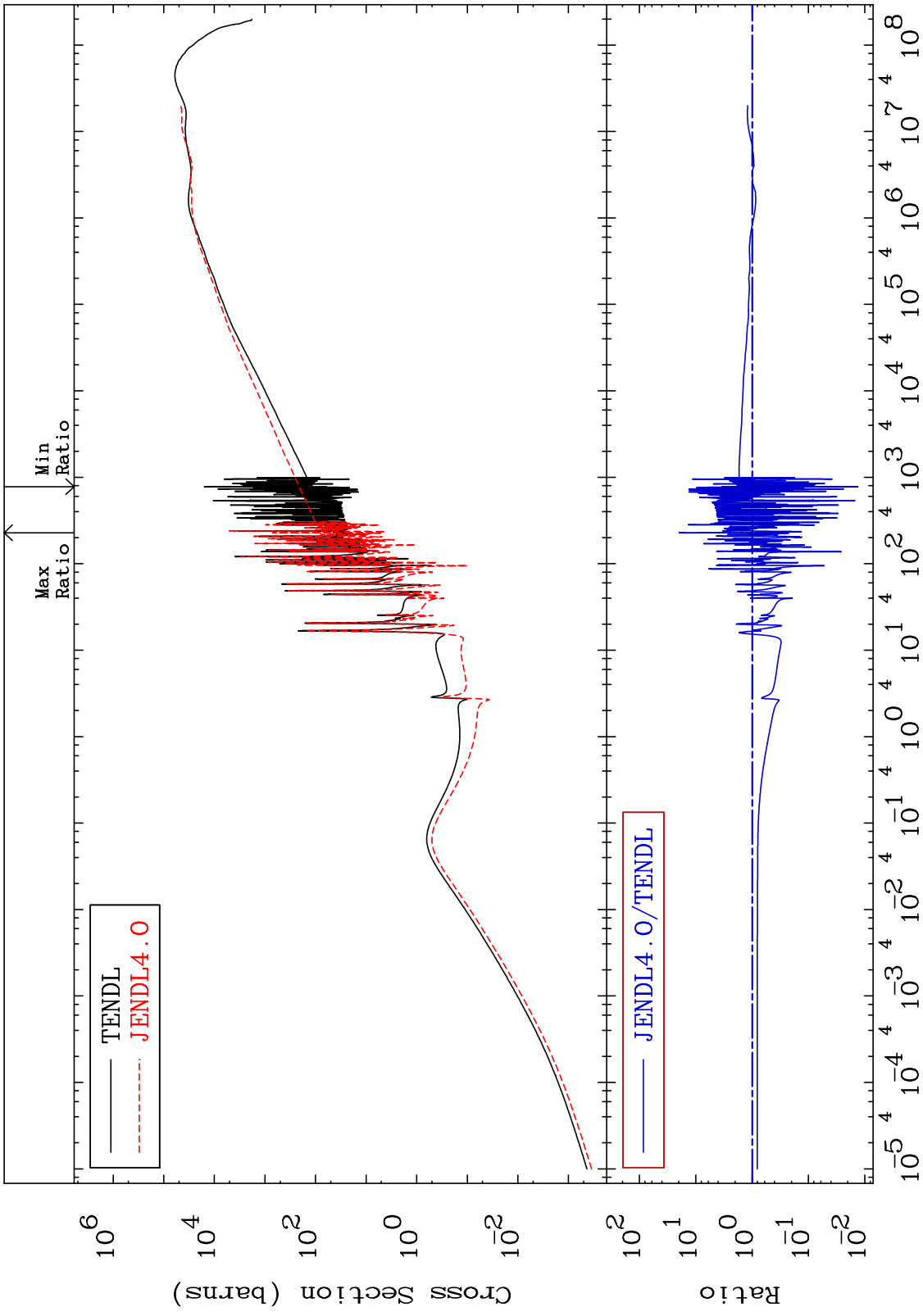
MAT 6440 He-4 Production 64-Gd-157
Cross Section -99.05 To 753.6 %



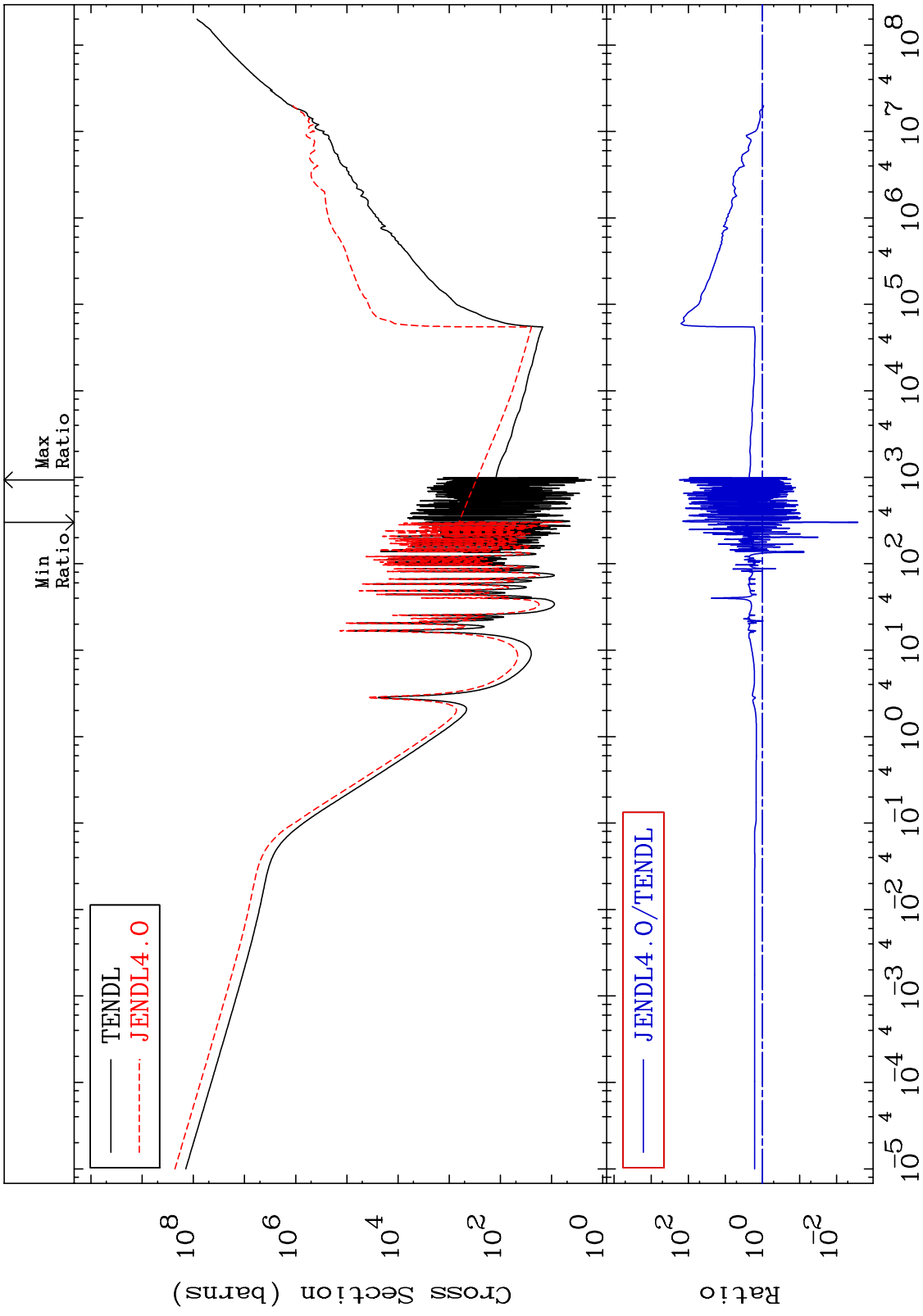
MAT 6440 Kerma total (eV-barns) 64-Gd-157
 Cross Section -98.92 To 3659. %

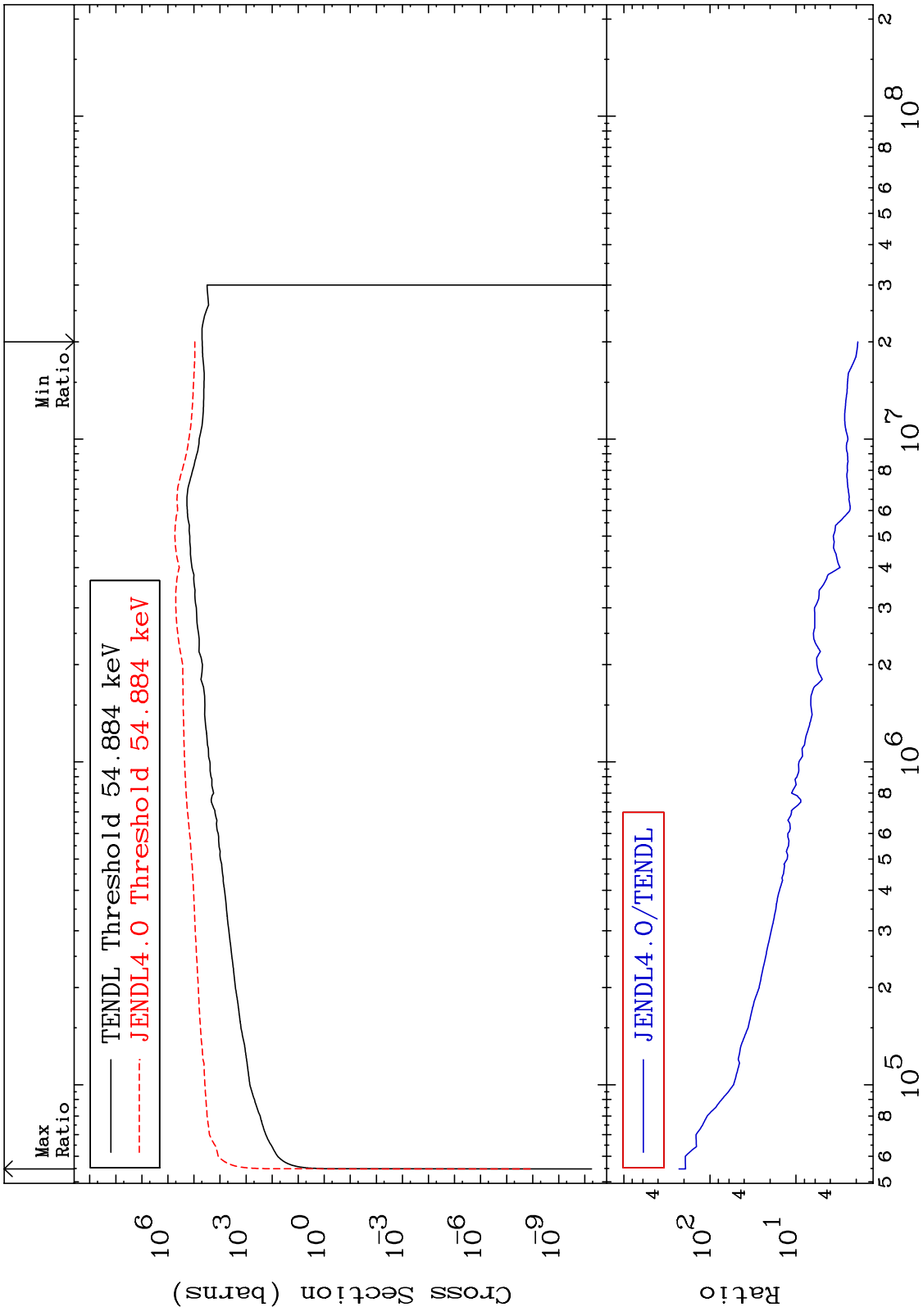


MAT 6440 64-Gd-157
-98.67 To 1883. %

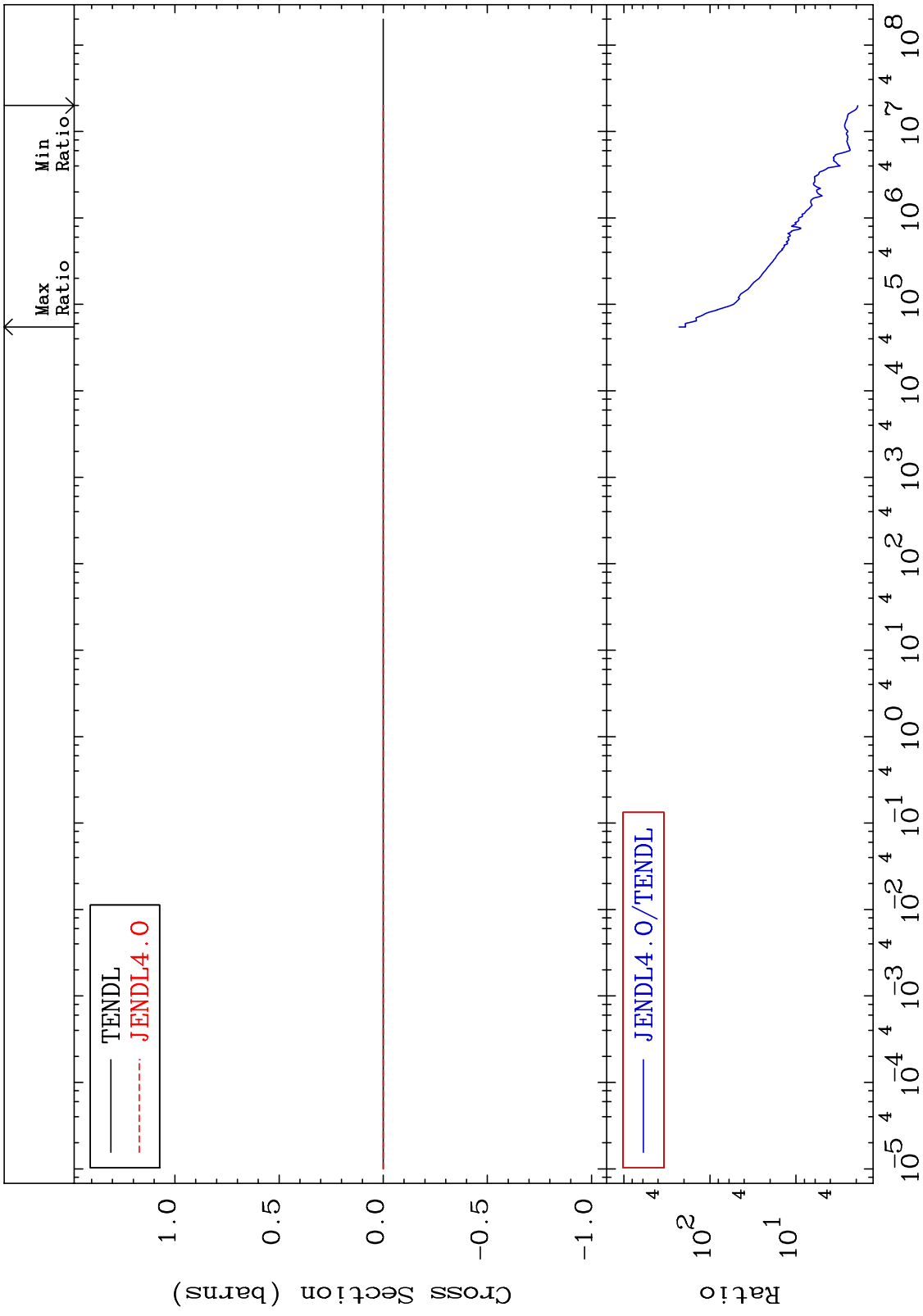


MAT 6440 Kerma non-elastic (all but mt2) Cross Section 64-Gd-157 -99.73 To 9999. %

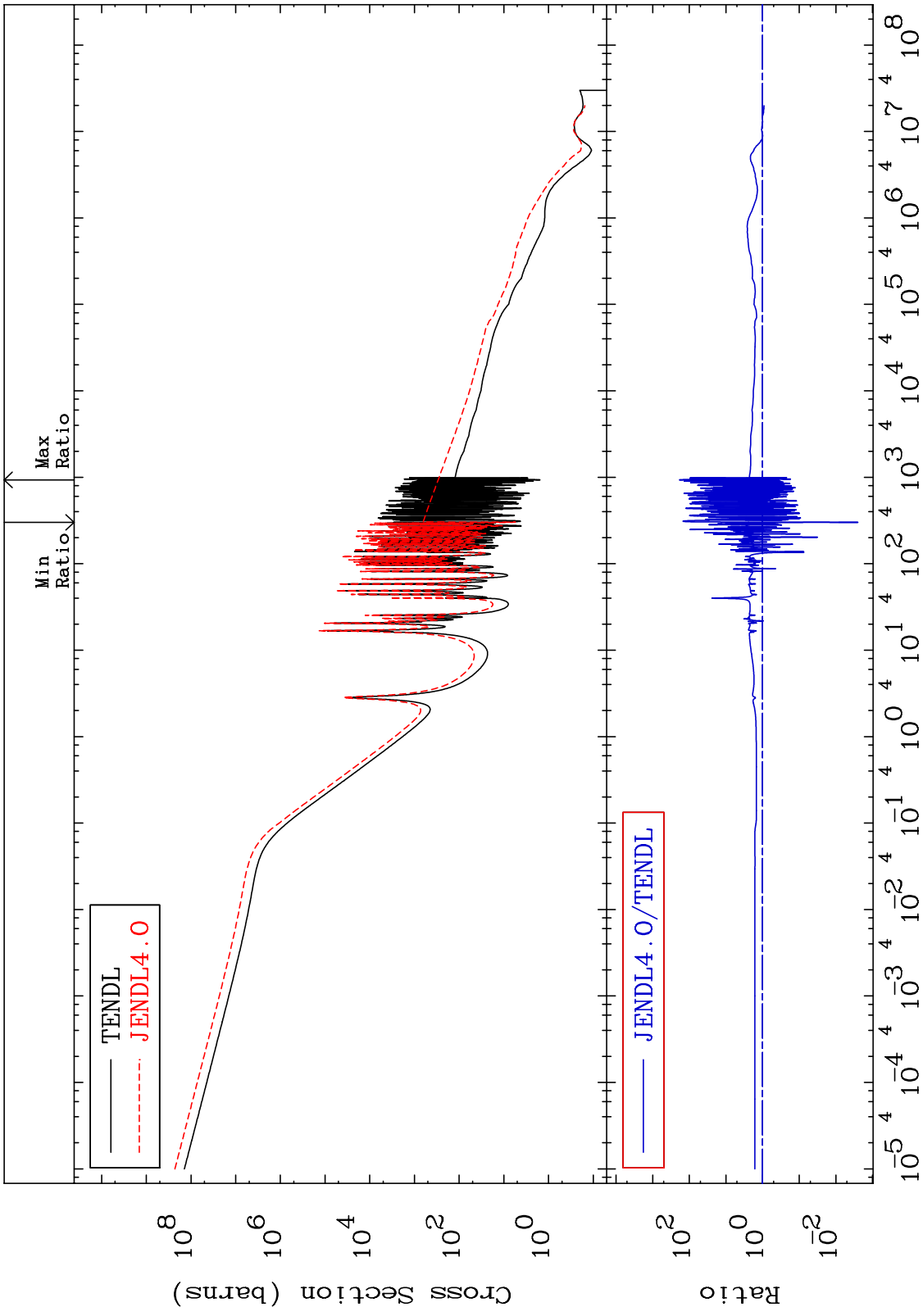




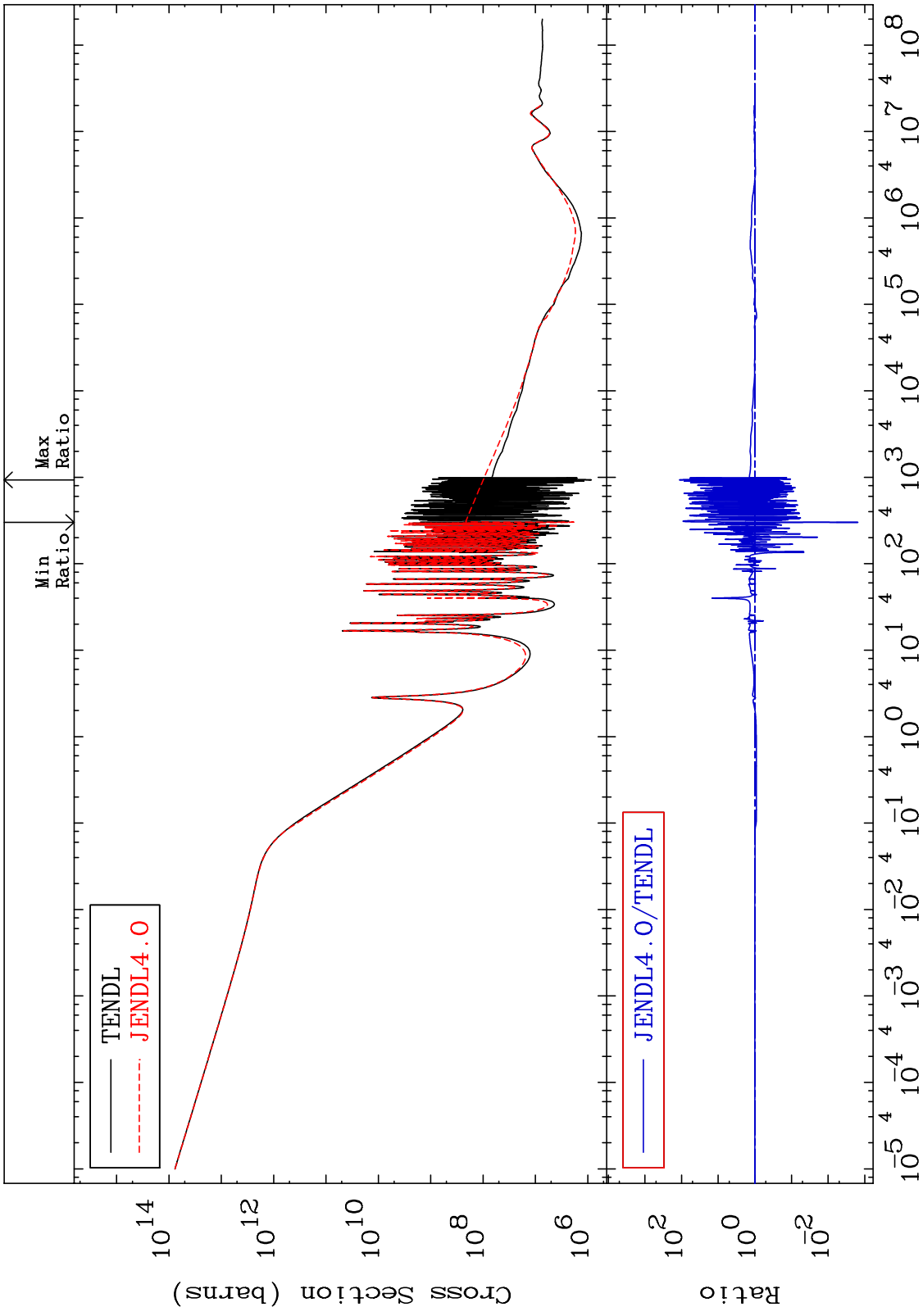
MAT 6440 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-157
 Cross Section 91.37 To 9999. %



MAT 6440 Kerma capture (mt102) 64-Gd-157
 -99.75 To 9999. %

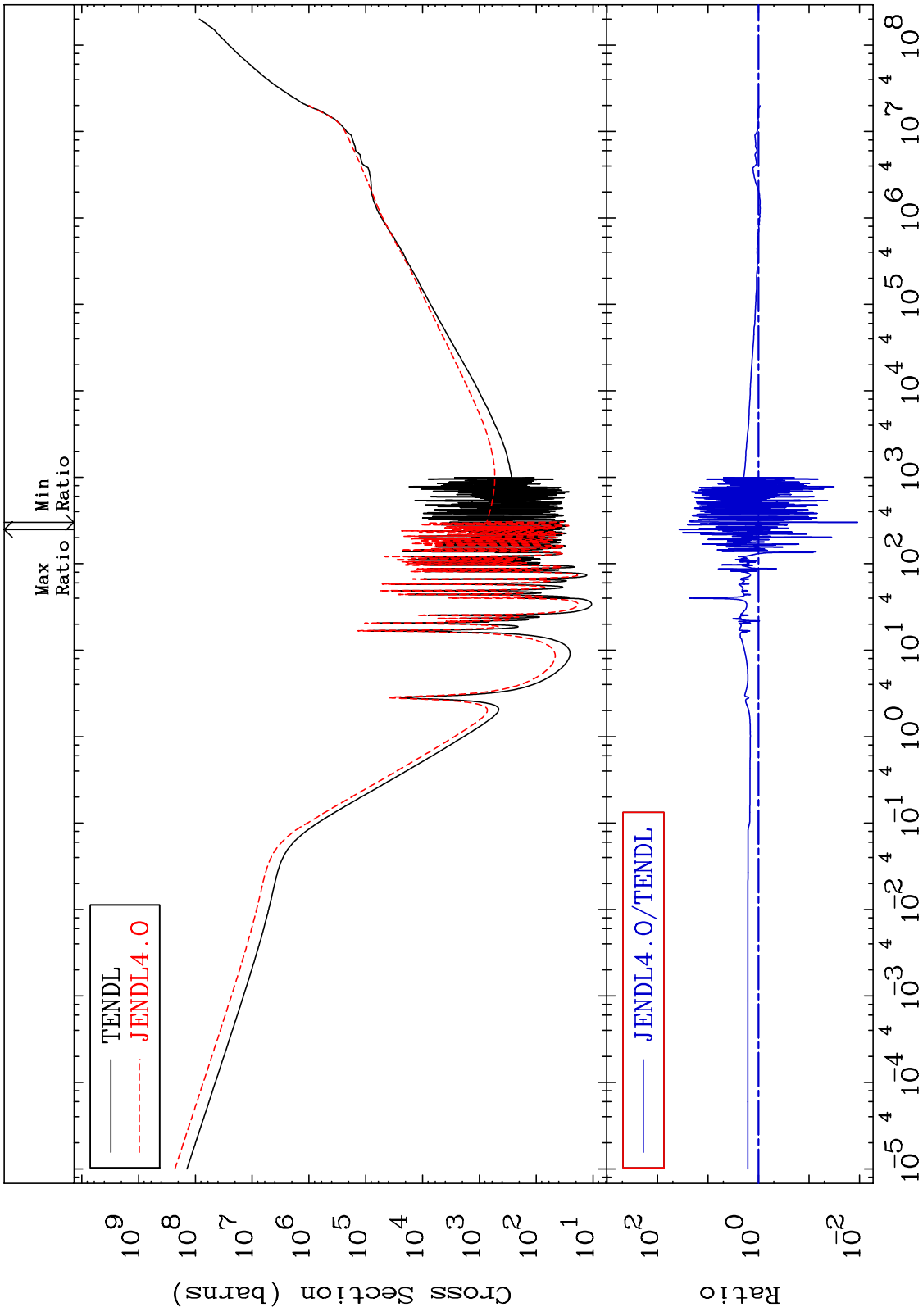


MAT 6440 64-Gd-157 -99.85 To 9999. %
Total photon (eV-barns)
Cross Section



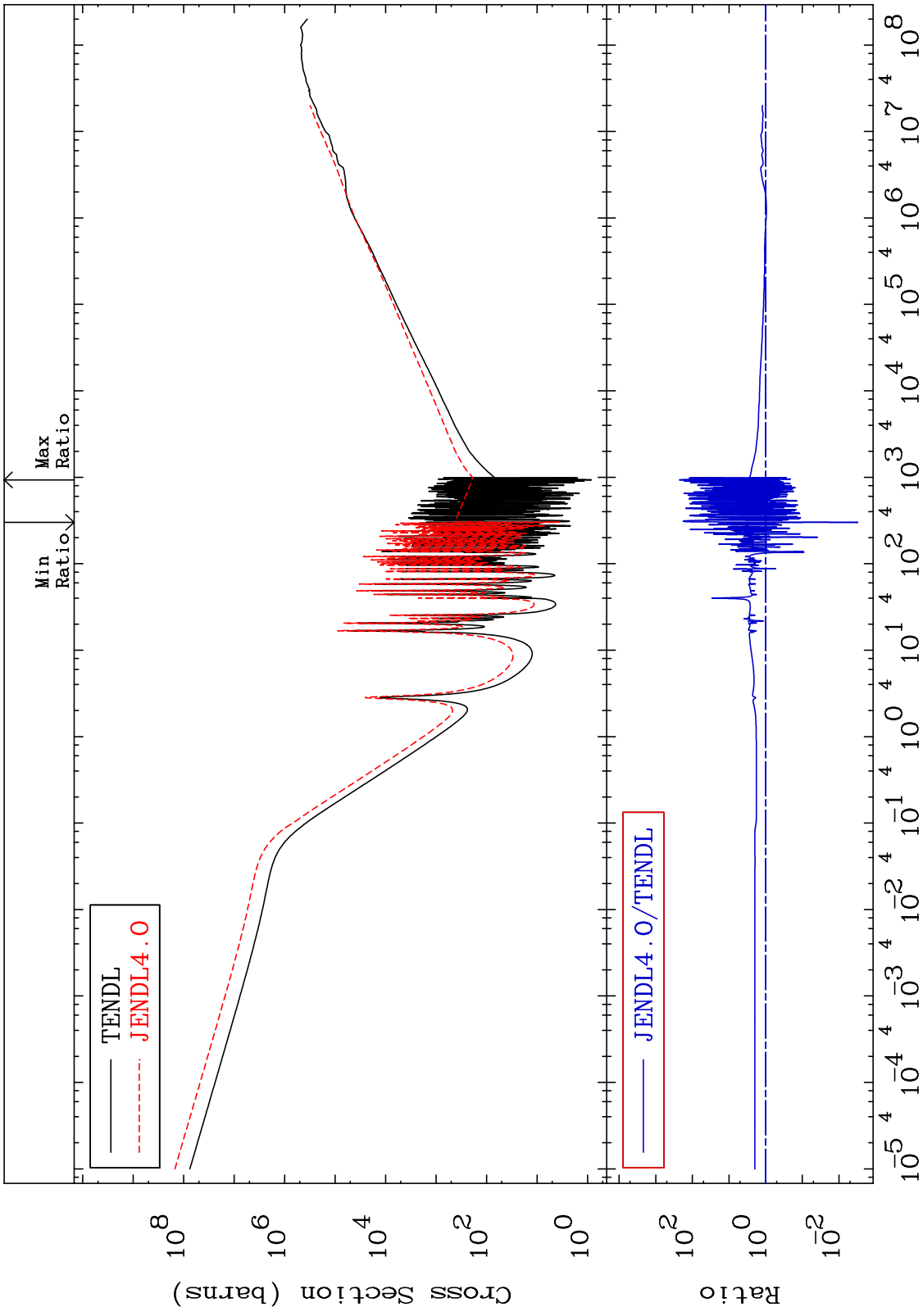
64-Gd-157
Incident Energy (eV) 64-Gd-157

MAT 6440 Total kinematic kerma (high limit) 64-Gd-157
Cross Section -98.92 To 3659. %

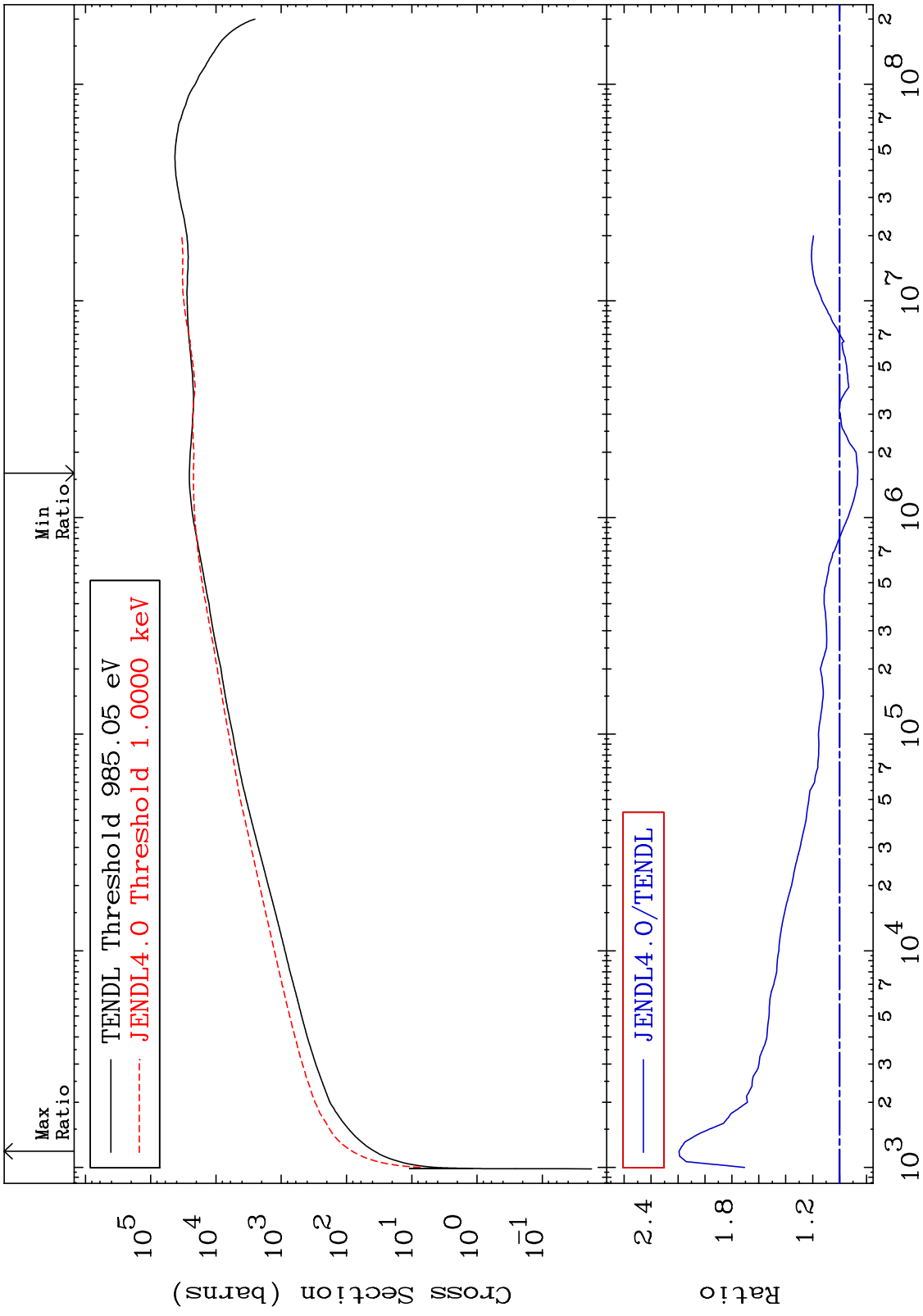


60 64-Gd-157

MAT 6440 Dpa total (eV-barns) 64-Gd-157
 Cross Section -99.69 To 9999. %

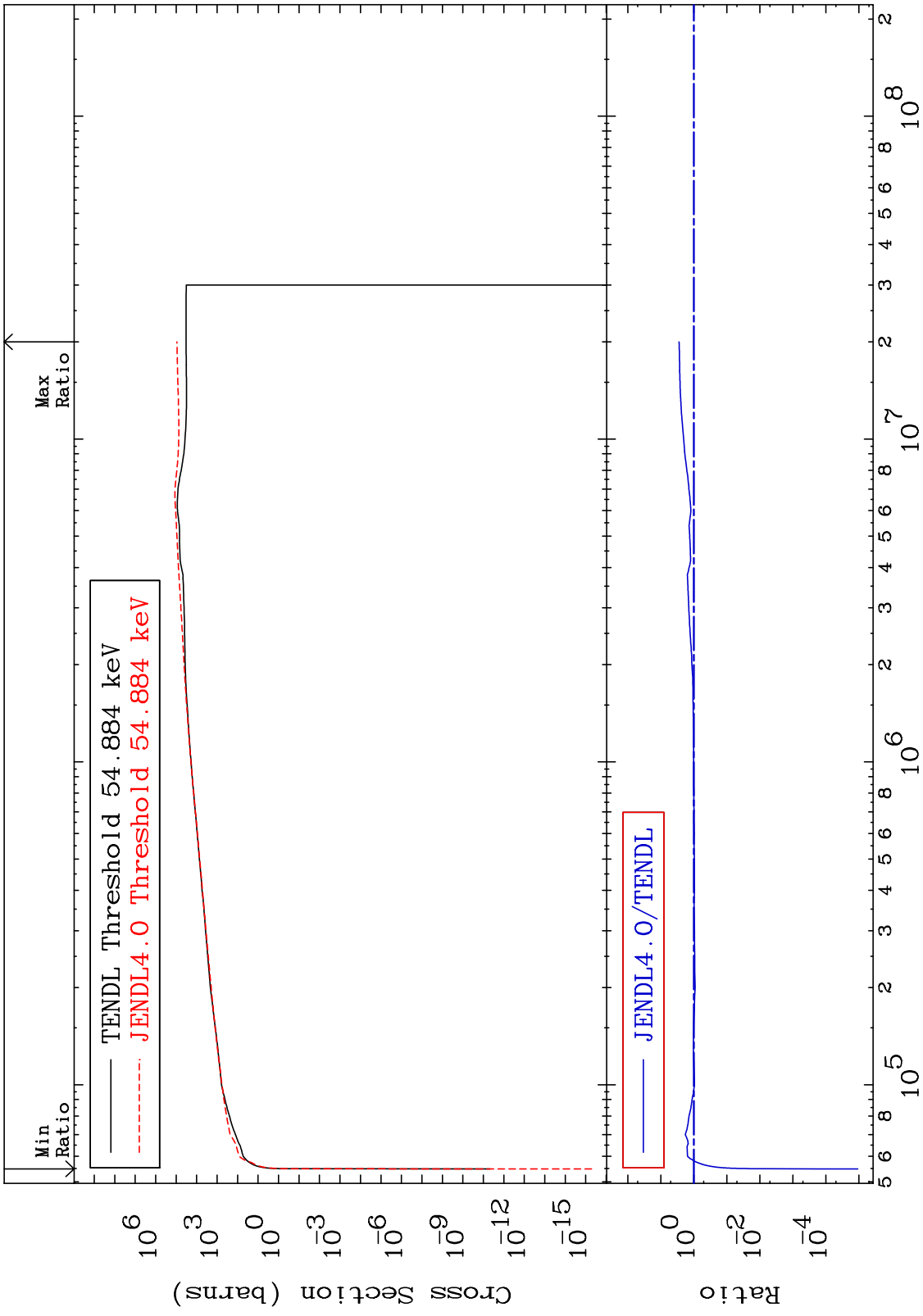


MAT 6440 64-Gd-157 -13.53 To 119.2 %
Dpa elastic (mt2)
Cross Section



62 64-Gd-157

MAT 6440 Dpa inelastic (mt51-91) 64-Gd-157
 Cross Section -100.0 To 180.5 %



MAT 6440 Dpa disappearance (mt102 -120) 64-Gd-157
 Cross Section -99.69 To 9999. %

