

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

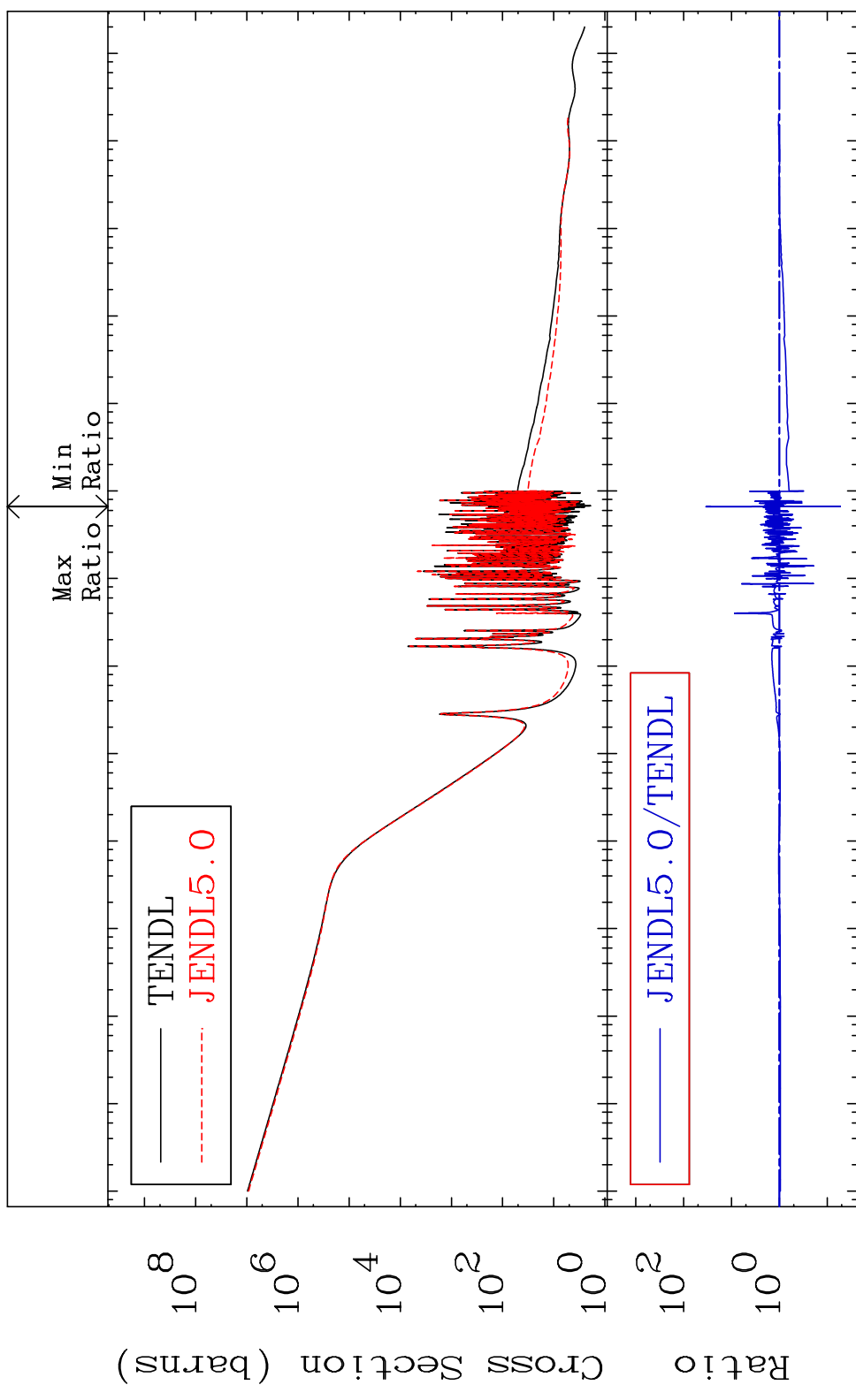
MAT 6440

Total

64-Gd-157

Cross Section

-94.70 To 3339. %



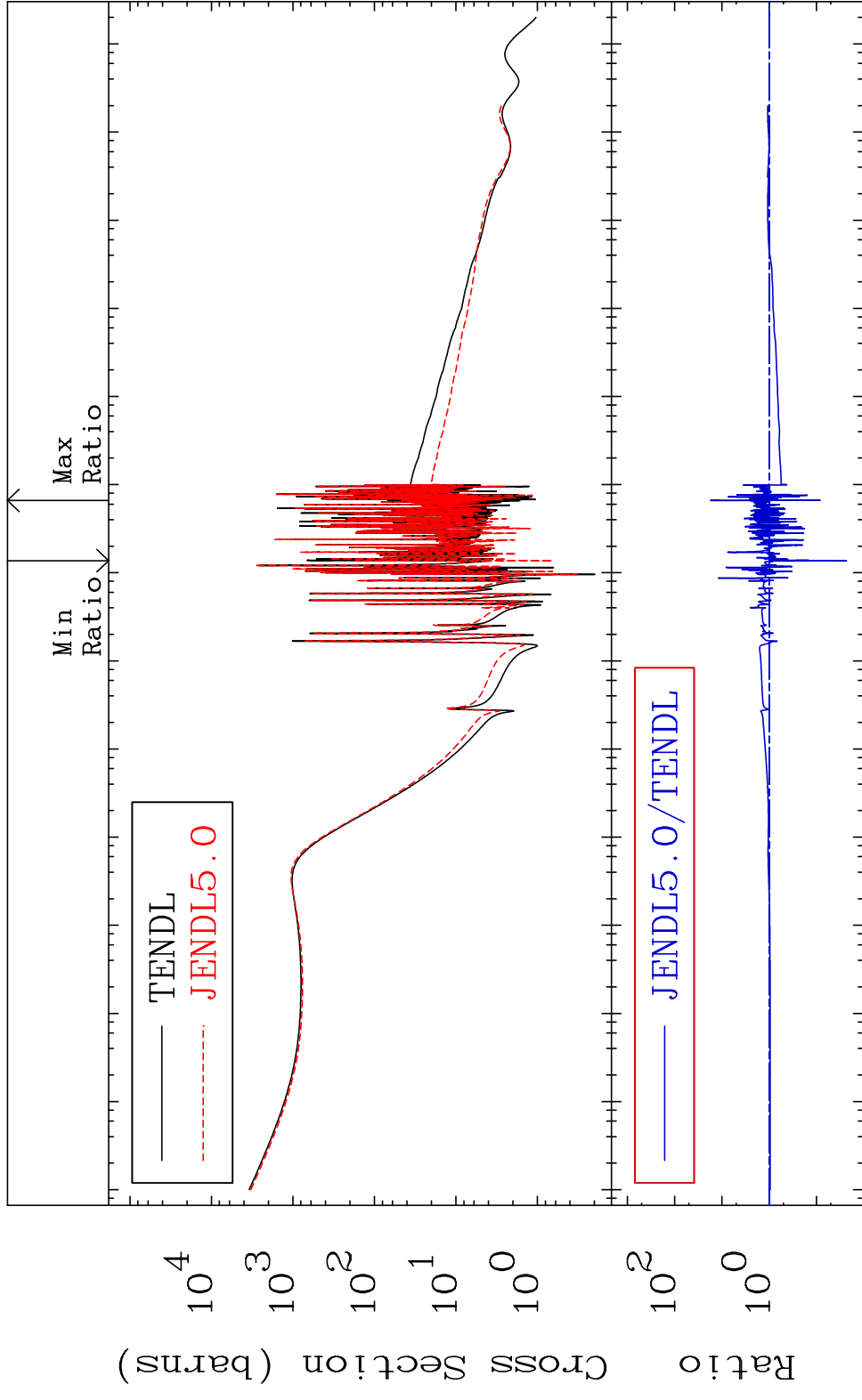
1

Incident Energy (eV)

64-Gd-157

MAT 6440

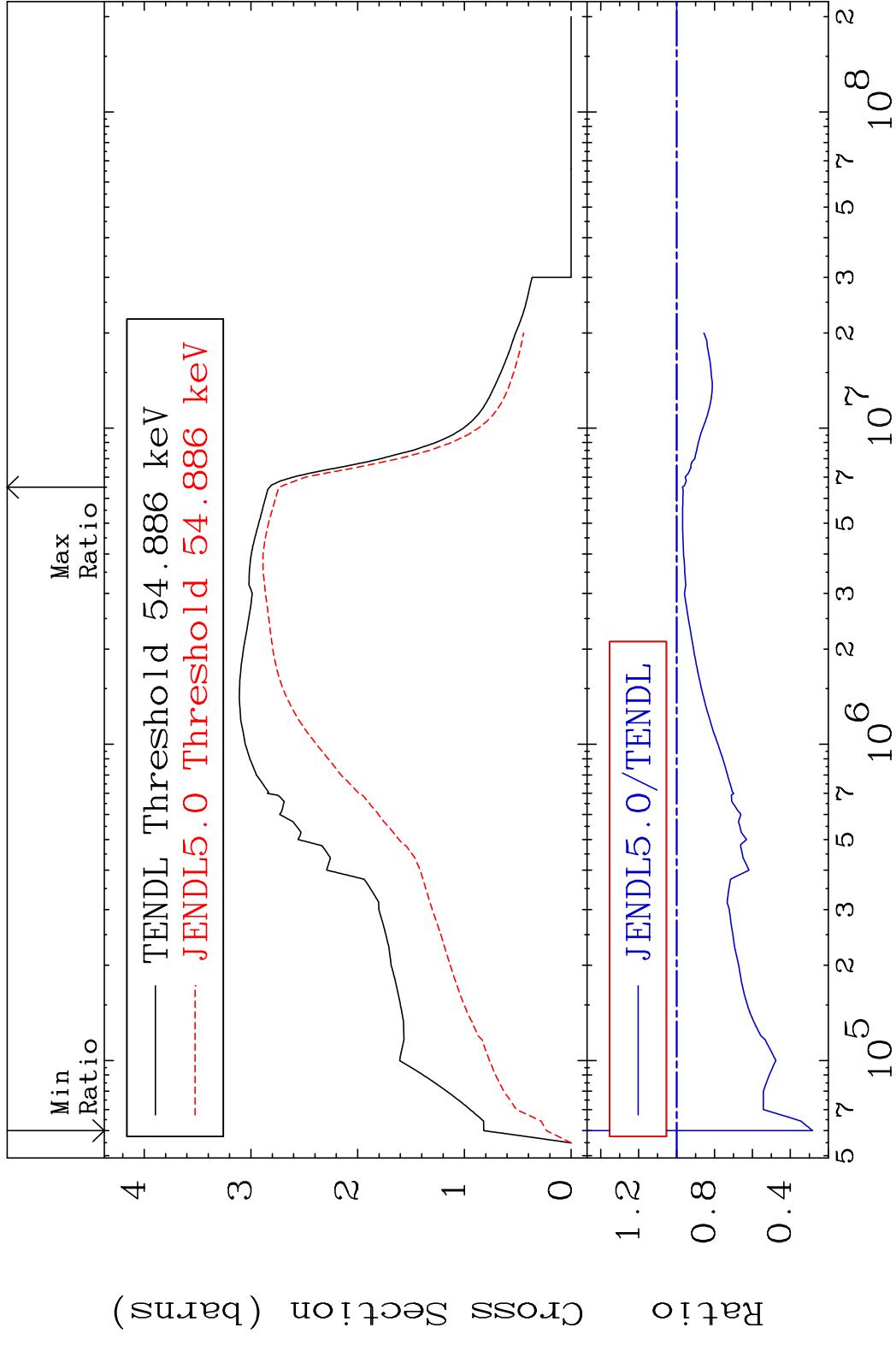
Elastic Cross Section -97.65 To 1626. %
64-Gd-157



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2 Incident Energy (eV) 64-Gd-157

MAT 6440 Inelastic 64-Gd-157
 Cross Section -71.72 To -3.035%

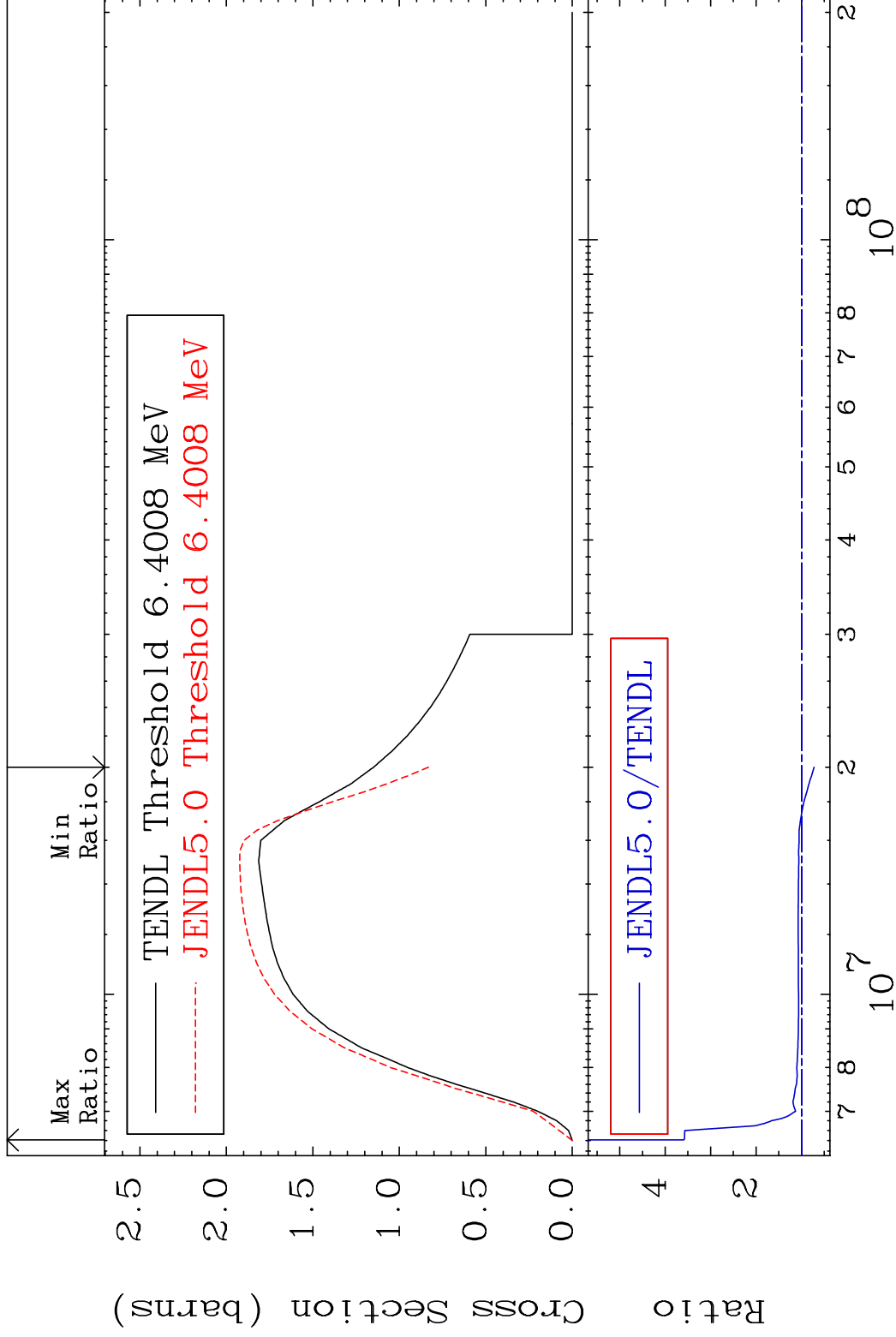


MAT 6440

(n,2n)

64-Gd-157

Cross Section -27.62 To 259.4 %



64-Gd-157

Incident Energy (eV)

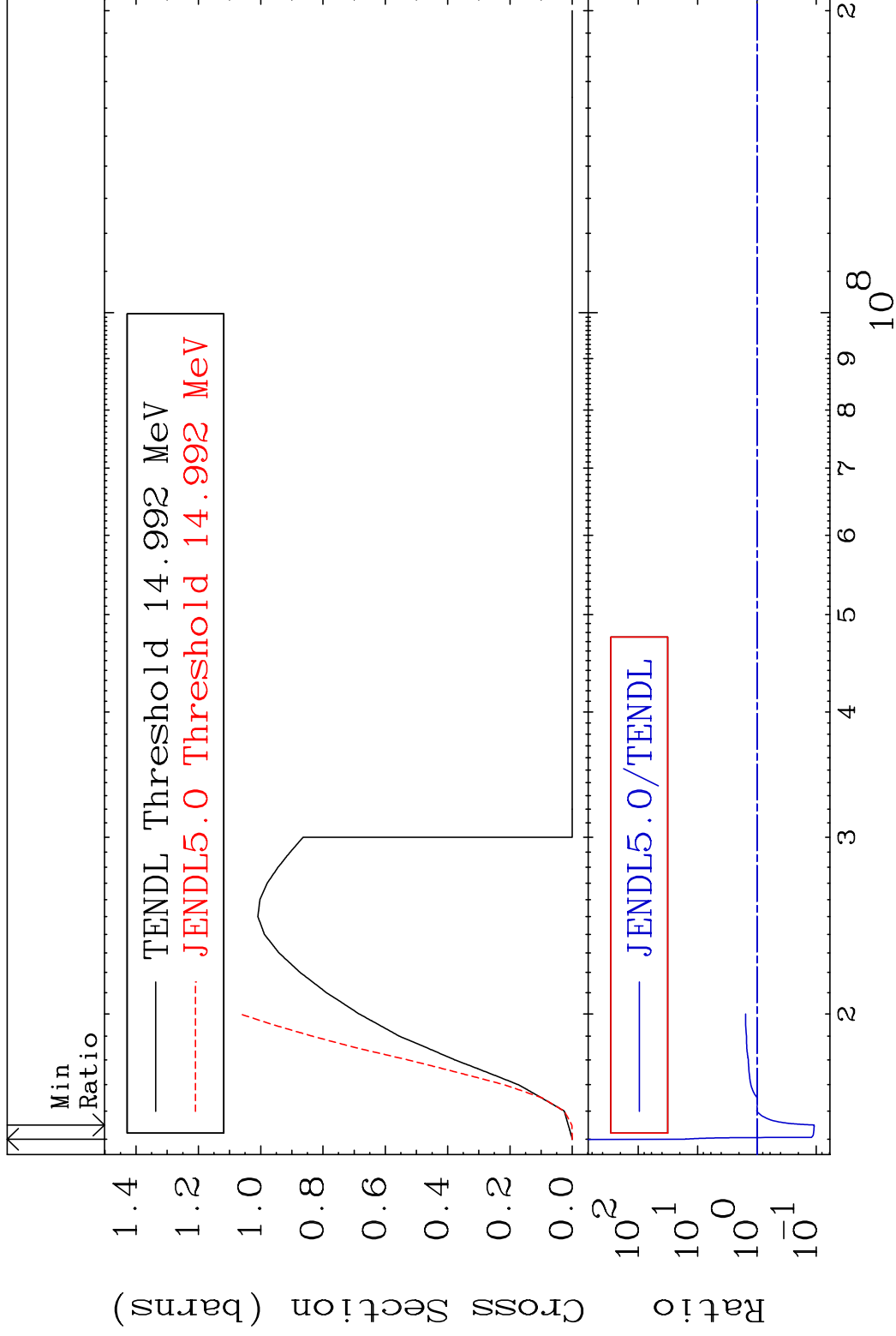
4

MAT 6440

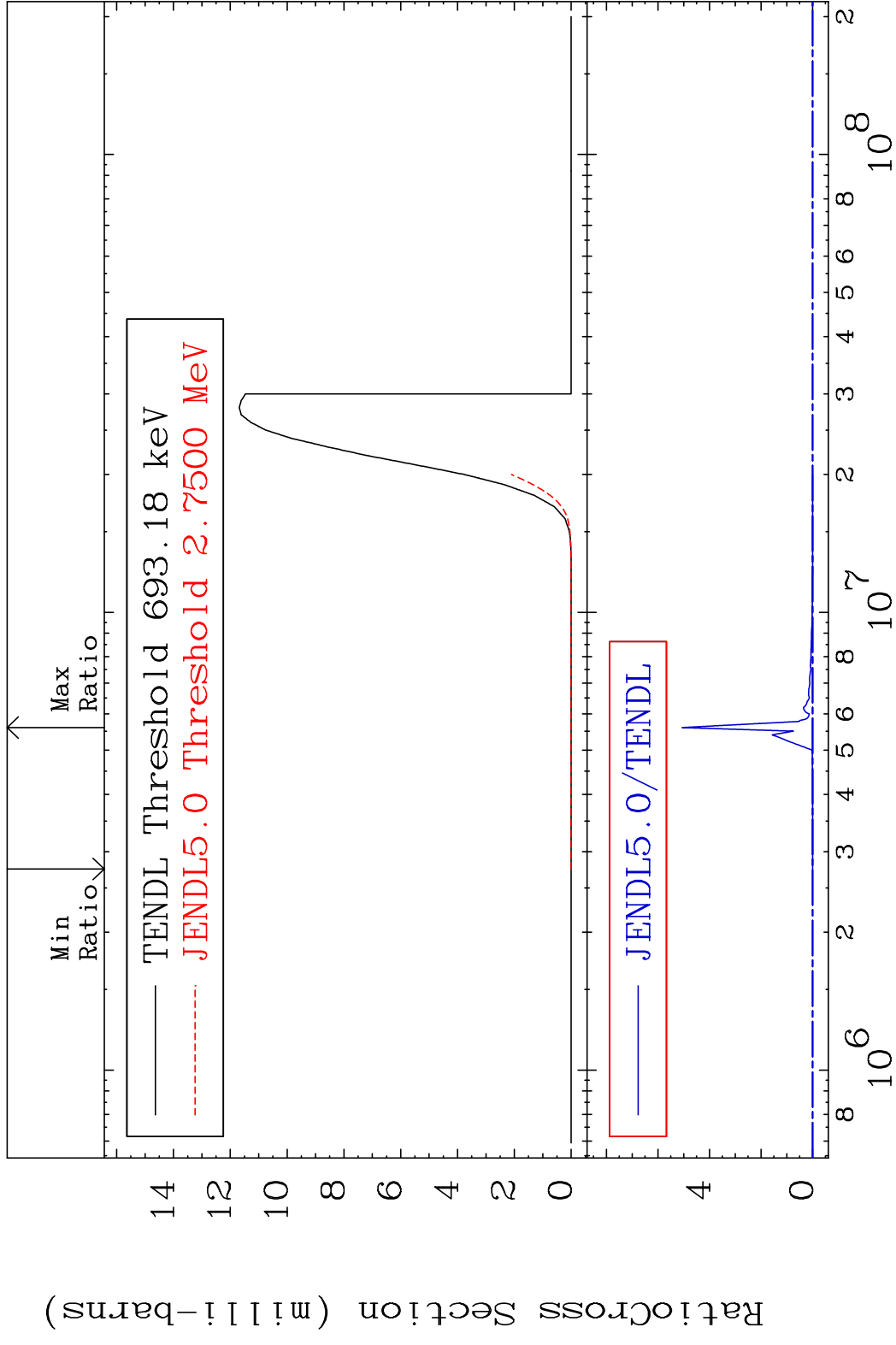
(n,3n)

64-Gd-157

Cross Section -89.13 To 1620. %

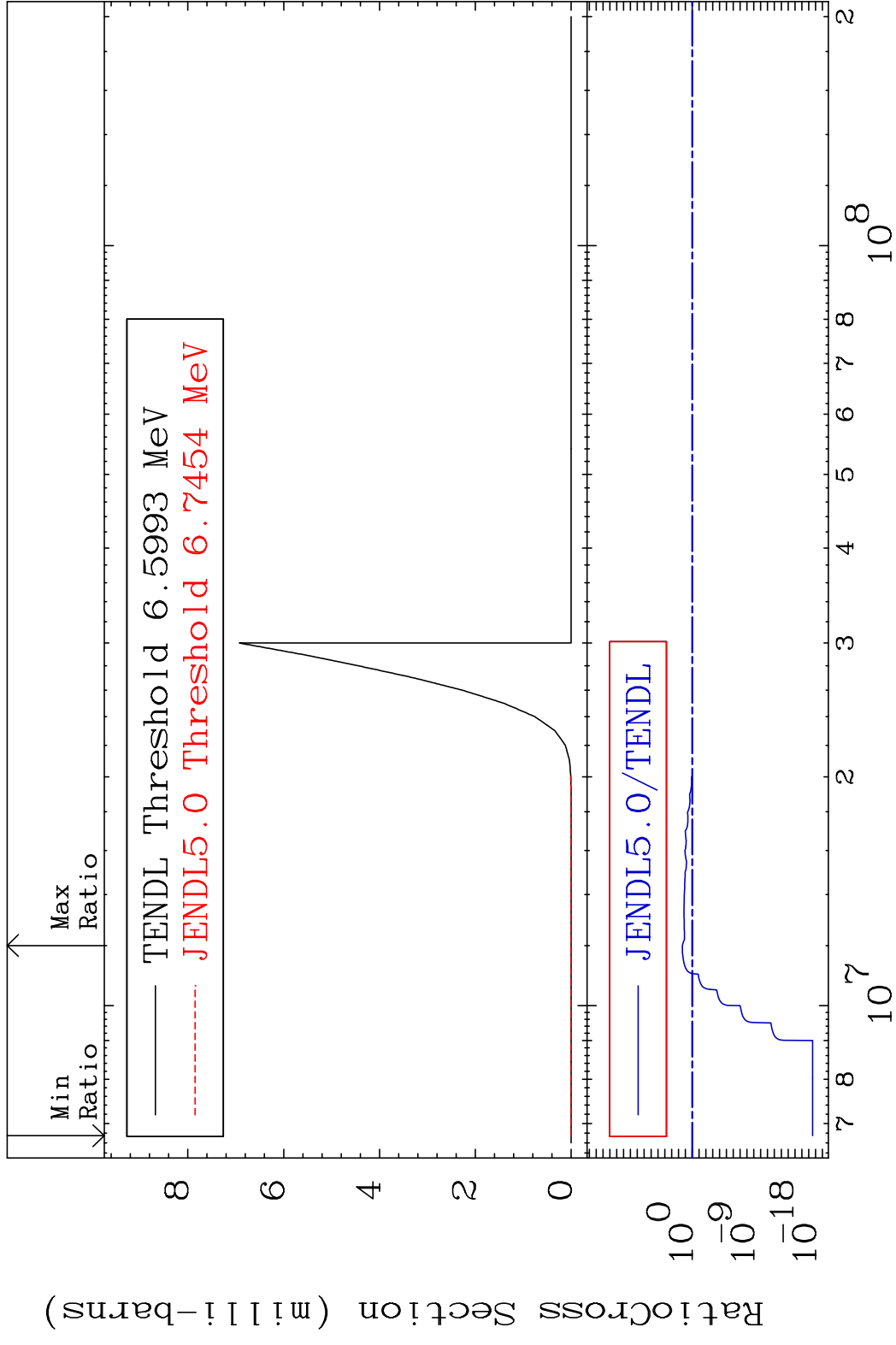


MAT 6440 (n, n') α 64-Gd-157
 Cross Section -100.0 To 9999. %



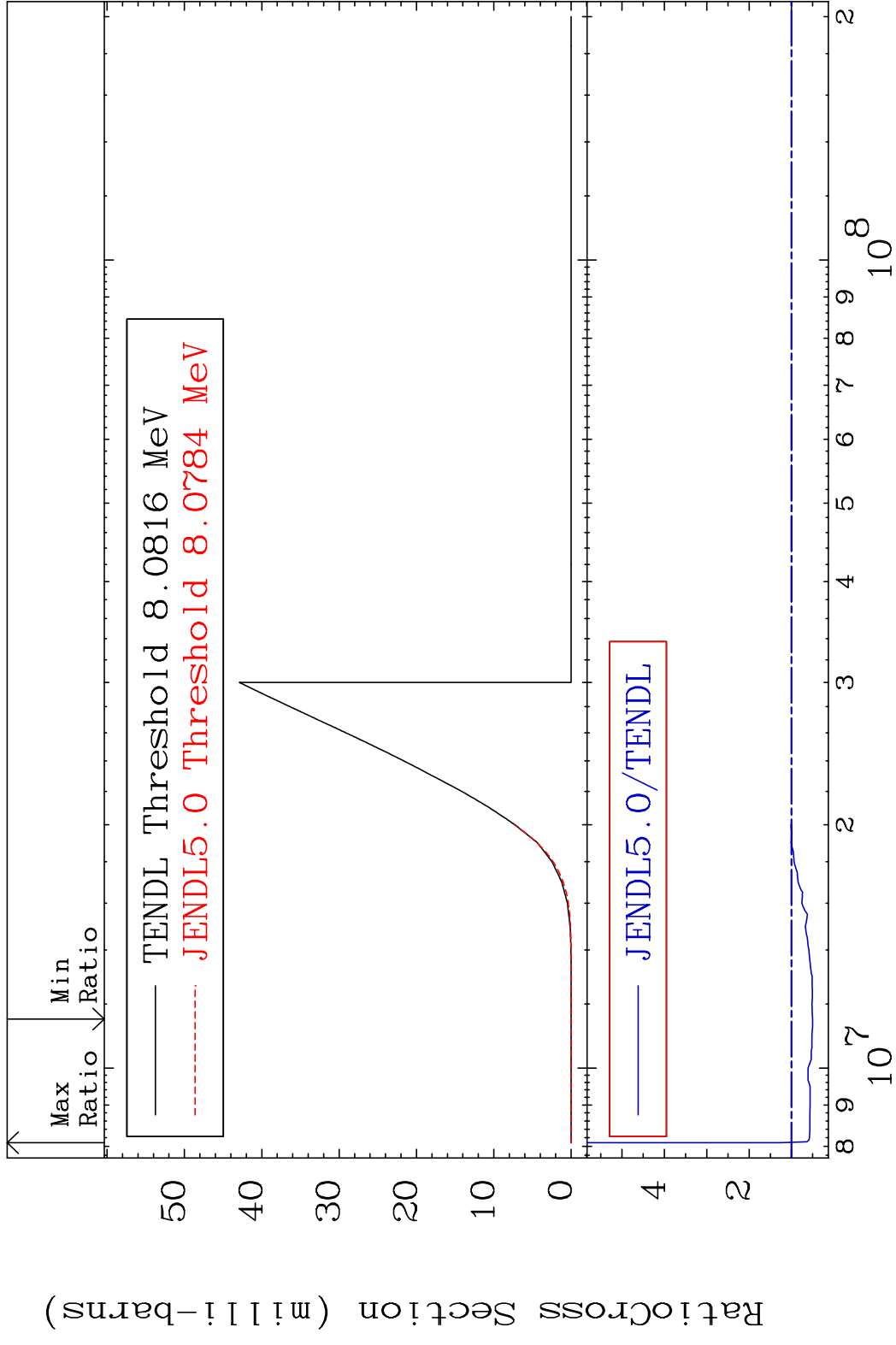
6 64-Gd-157

MAT 6440 (n,2n) α 64-Gd-157
 Cross Section -100.0 To 2594. %



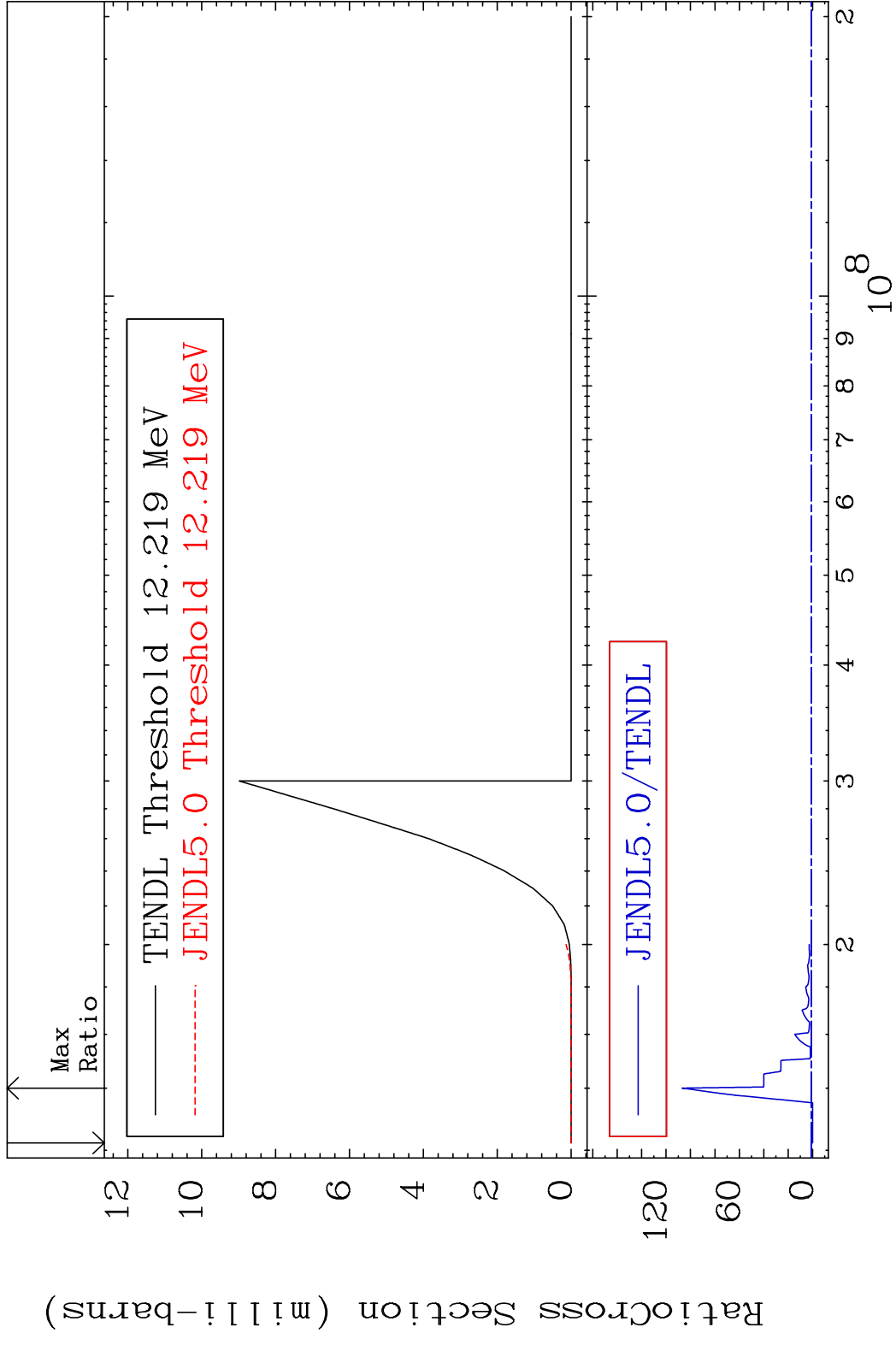
7 Incident Energy (eV) 64-Gd-157

MAT 6440 (n, n') p 64-Gd-157
 Cross Section -49.66 To 257.4 %



8 8 9 10 7 10 8 8 9 10 8 2
 Incident Energy (eV) 64-Gd-157

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

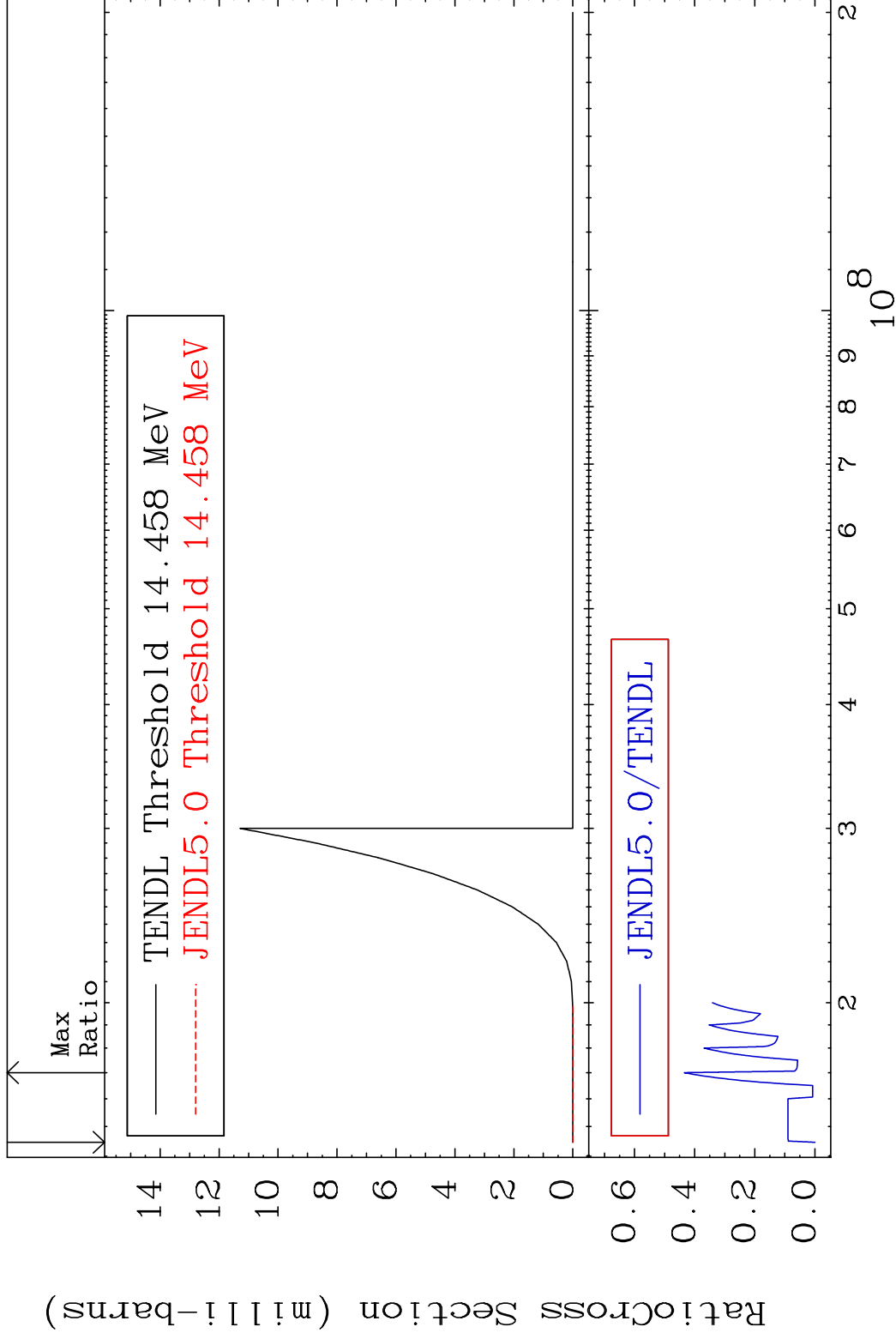


MAT 6440

(n,2n) p

64-Gd-157

Cross Section -100.0 To -56.56%

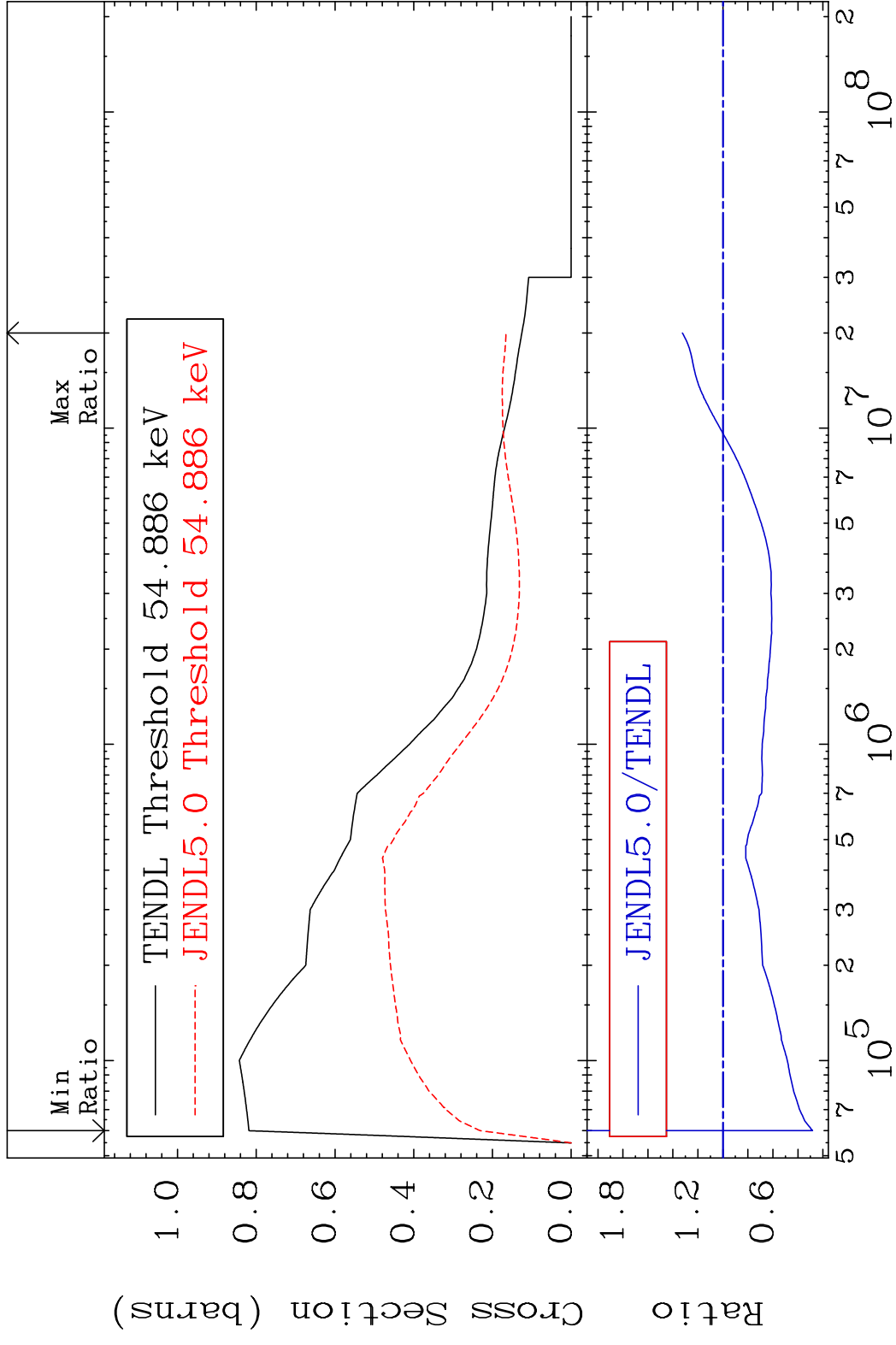


10

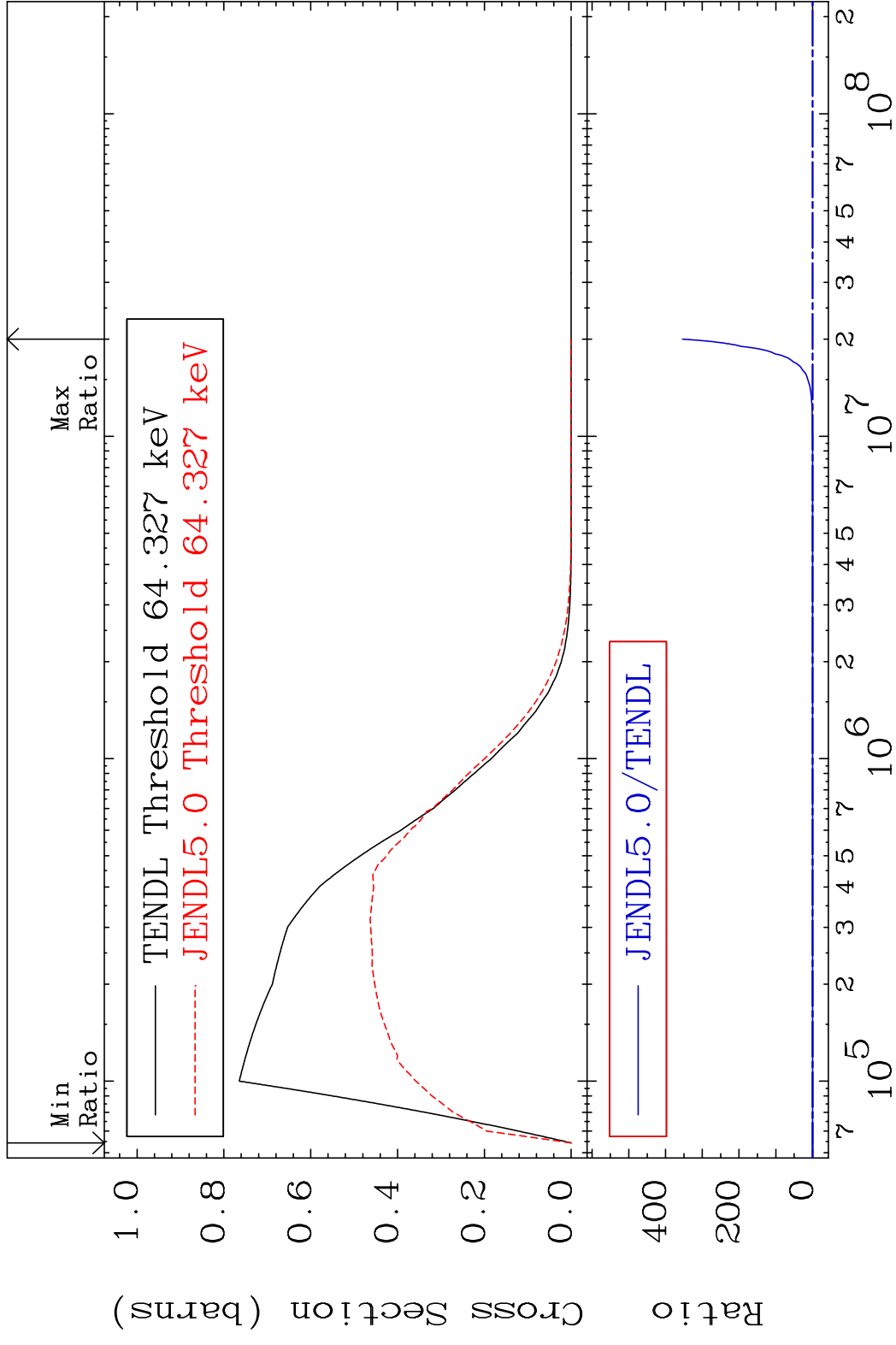
Incident Energy (eV)

64-Gd-157

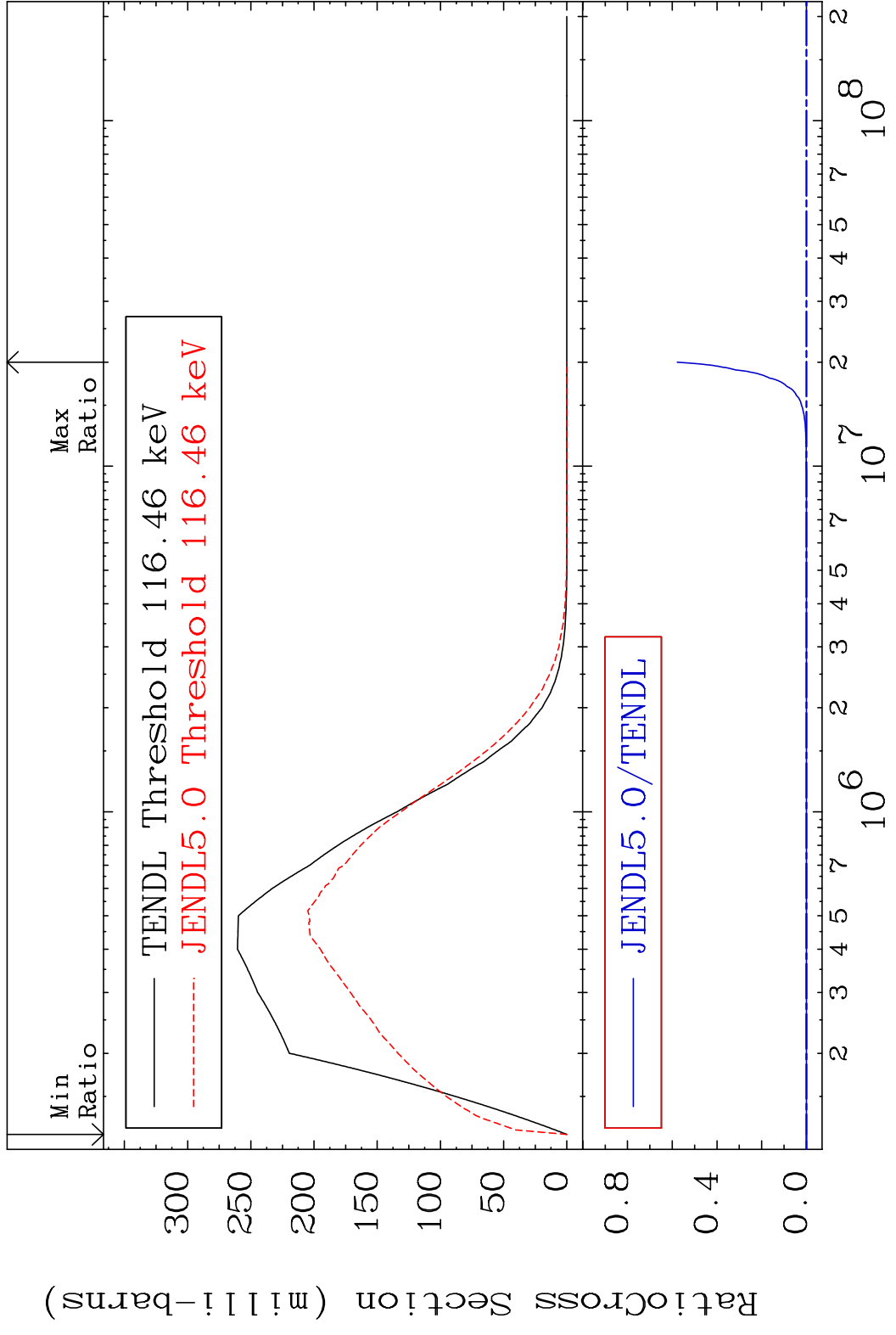
MAT 6440 MT= 51 (n, n') Level 64-Gd-157
 Cross Section -71.72 To 32.44 %



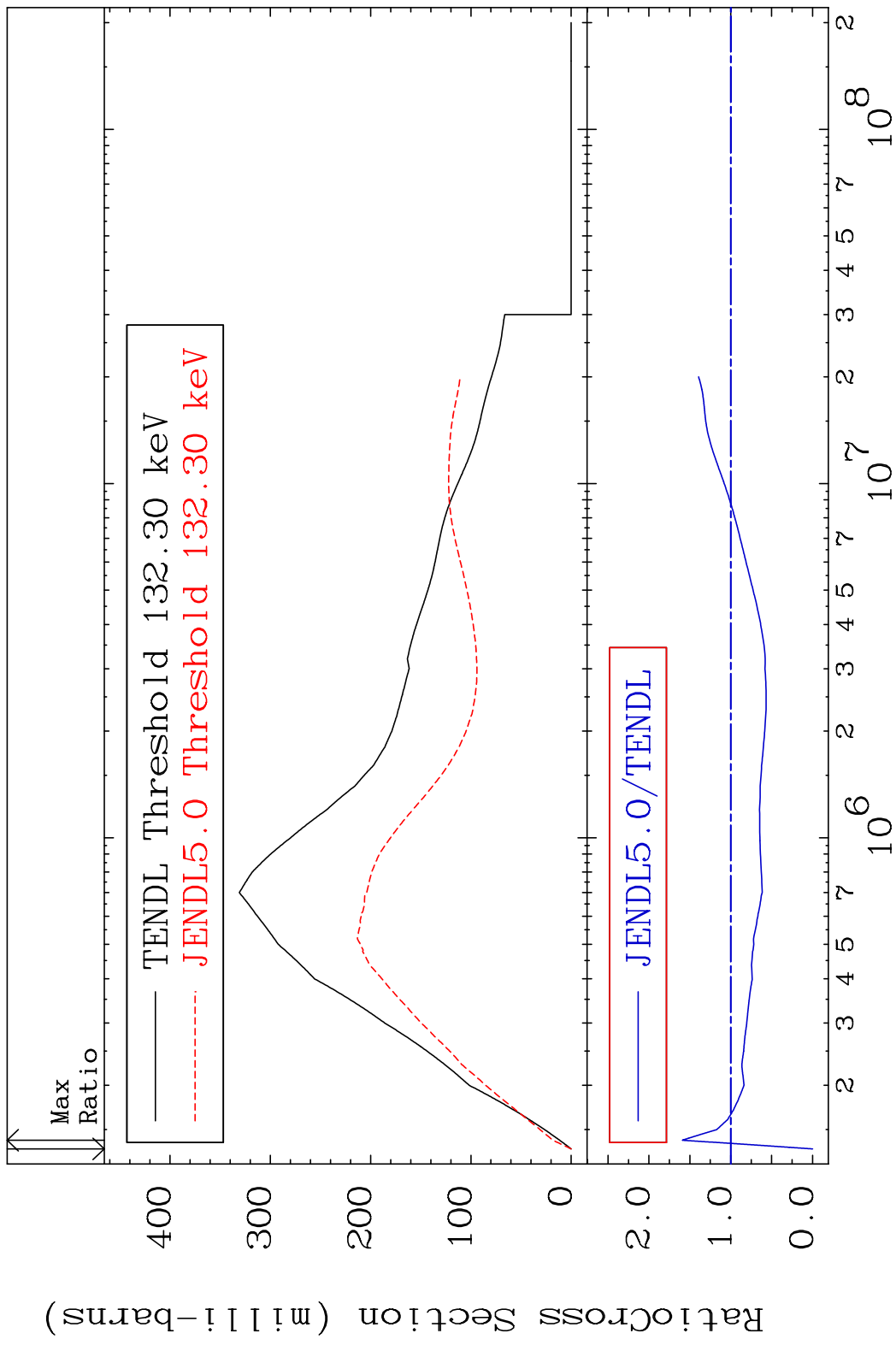
MAT 6440 MT= 52 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



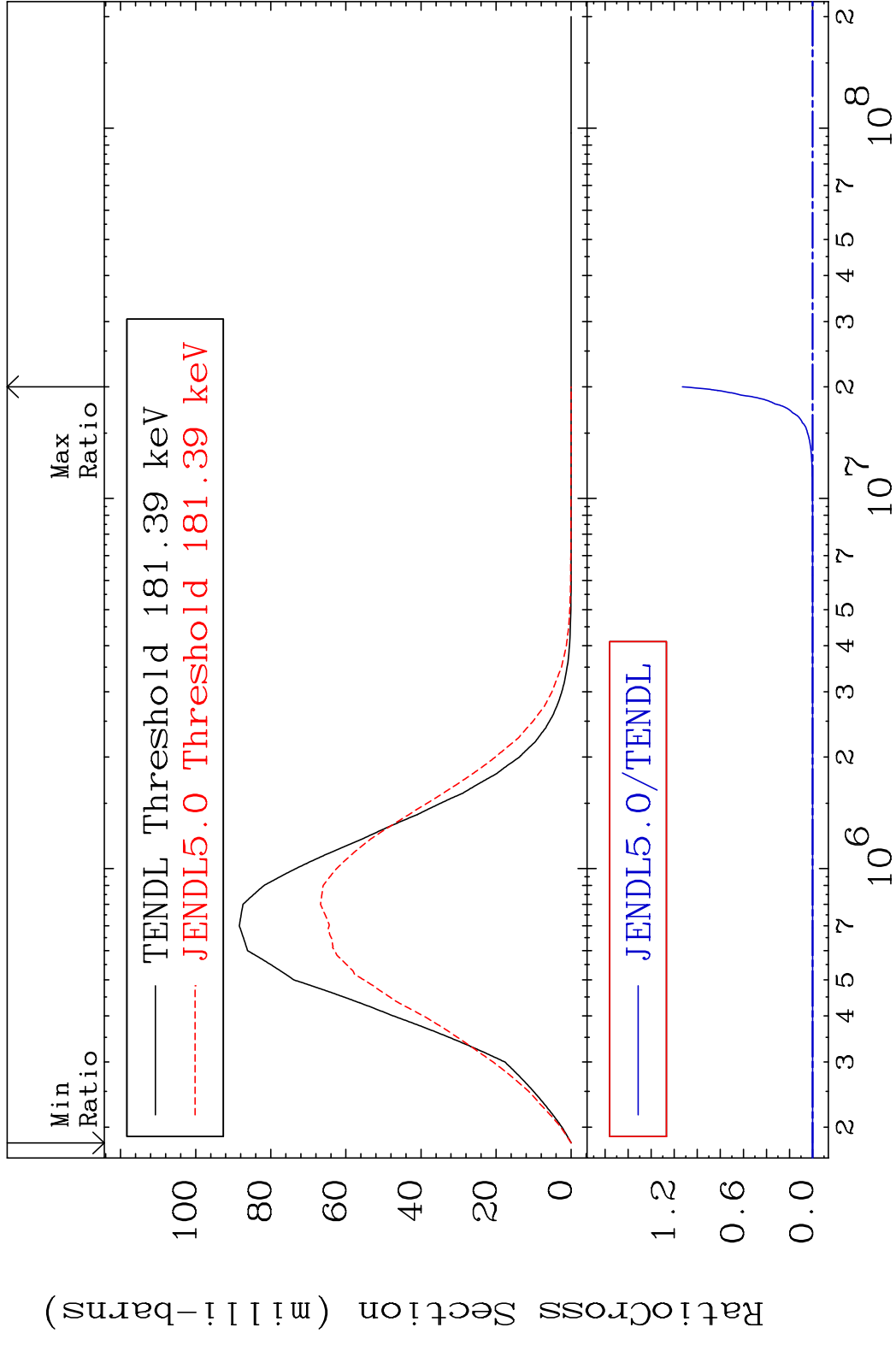
MAT 6440 MT= 53 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



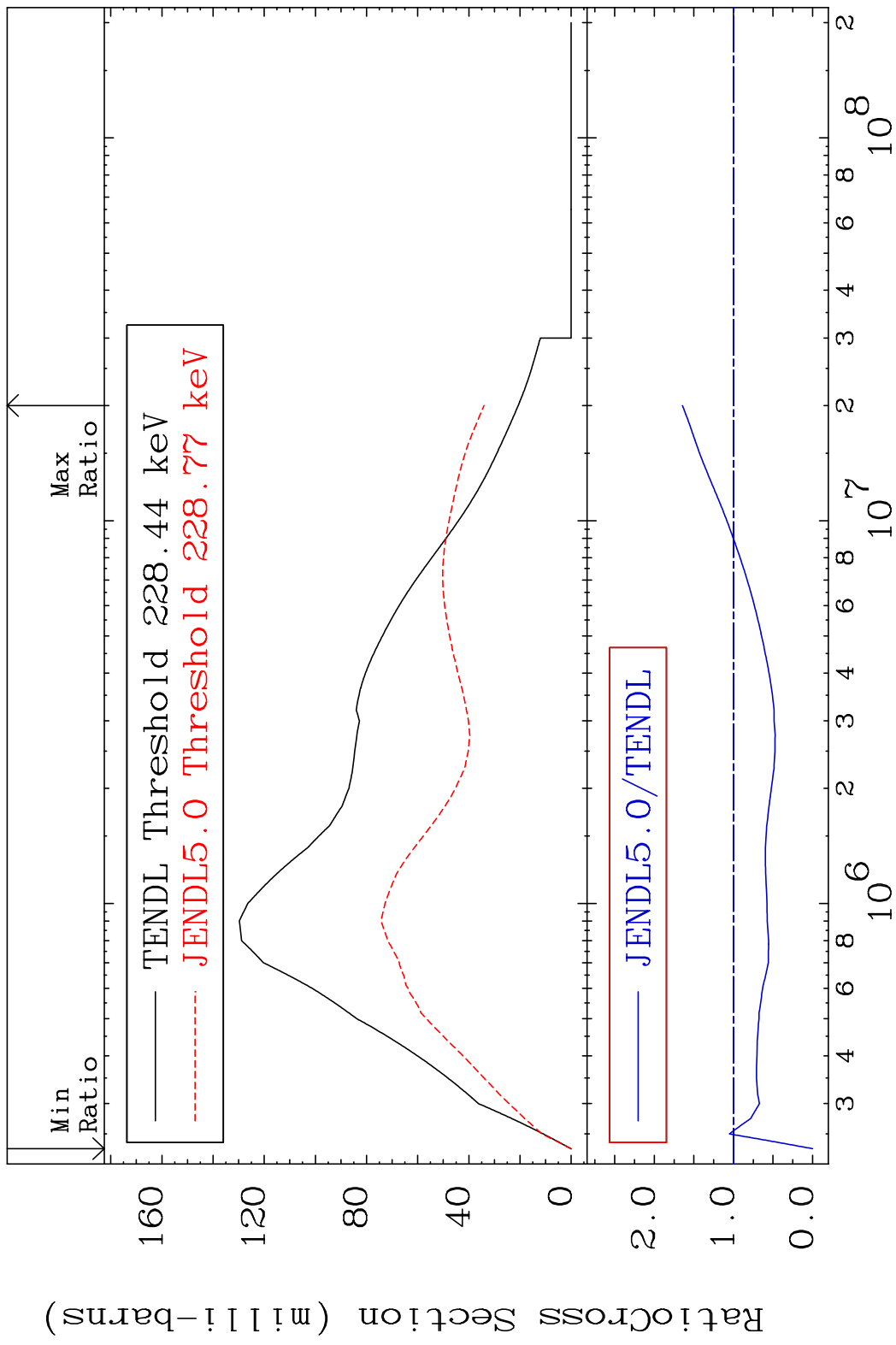
MAT 6440 MT= 54 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 59.14 %



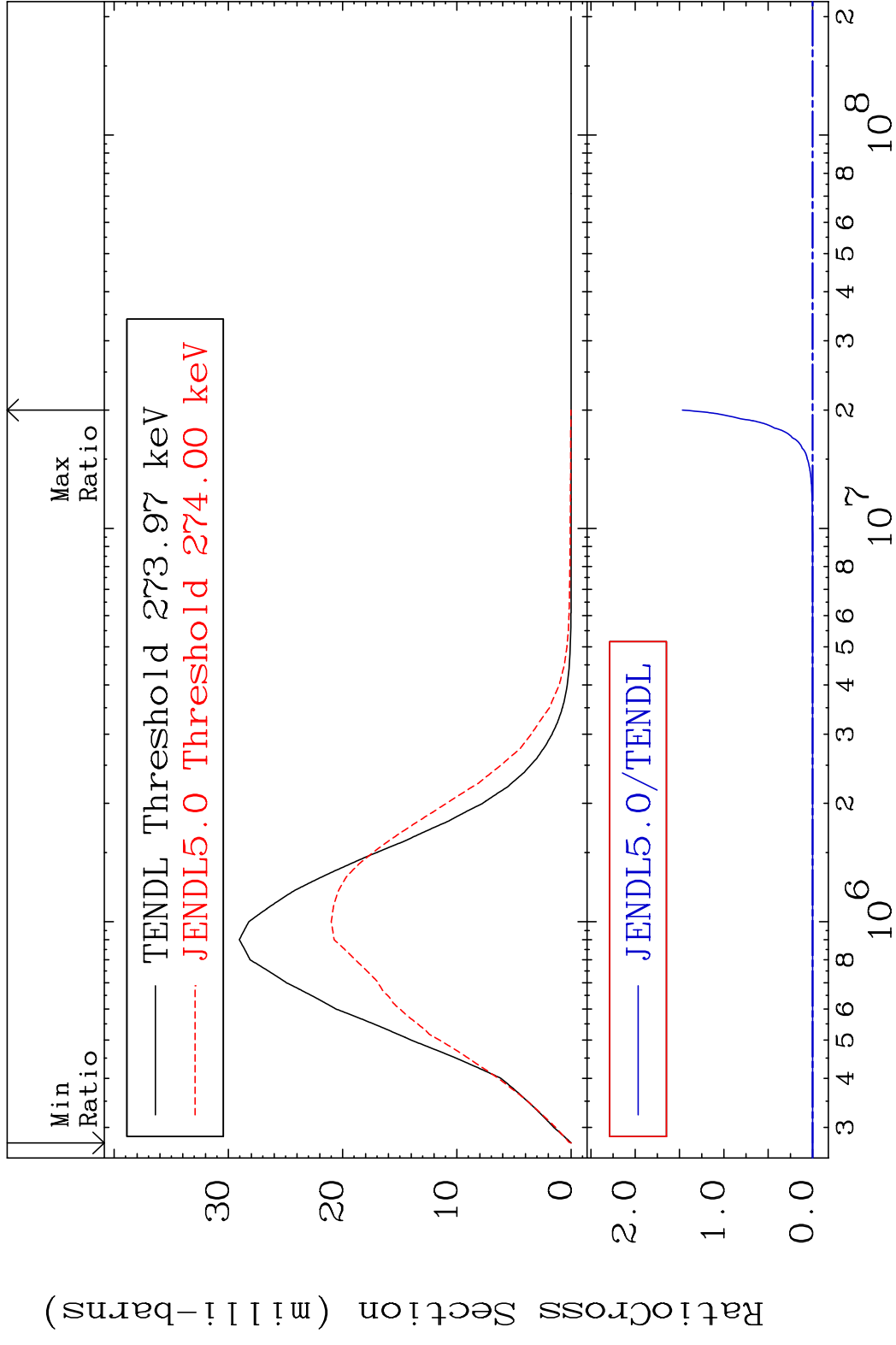
MAT 6440 MT= 55 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



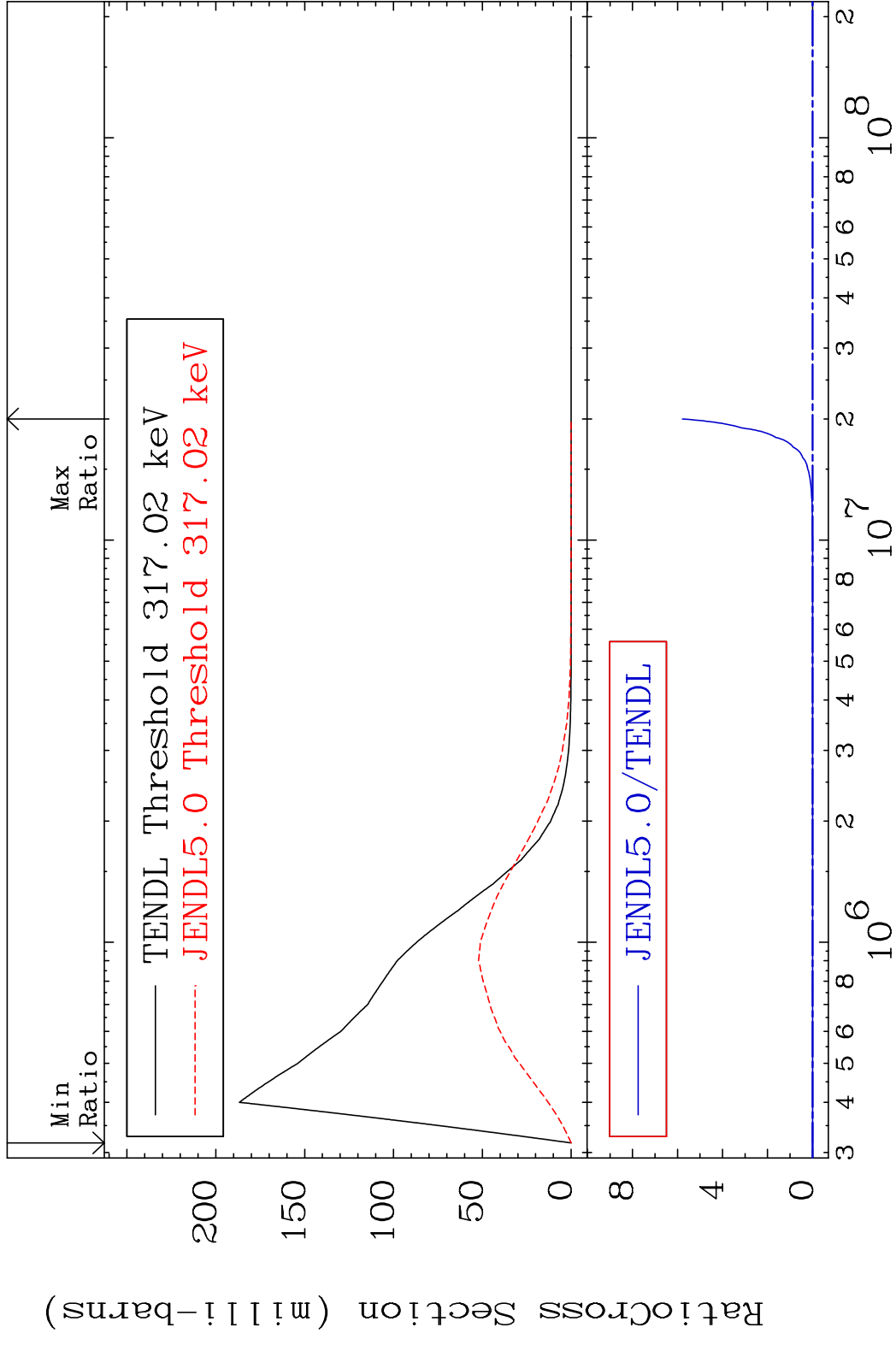
MAT 6440 MT= 56 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 64.53 %



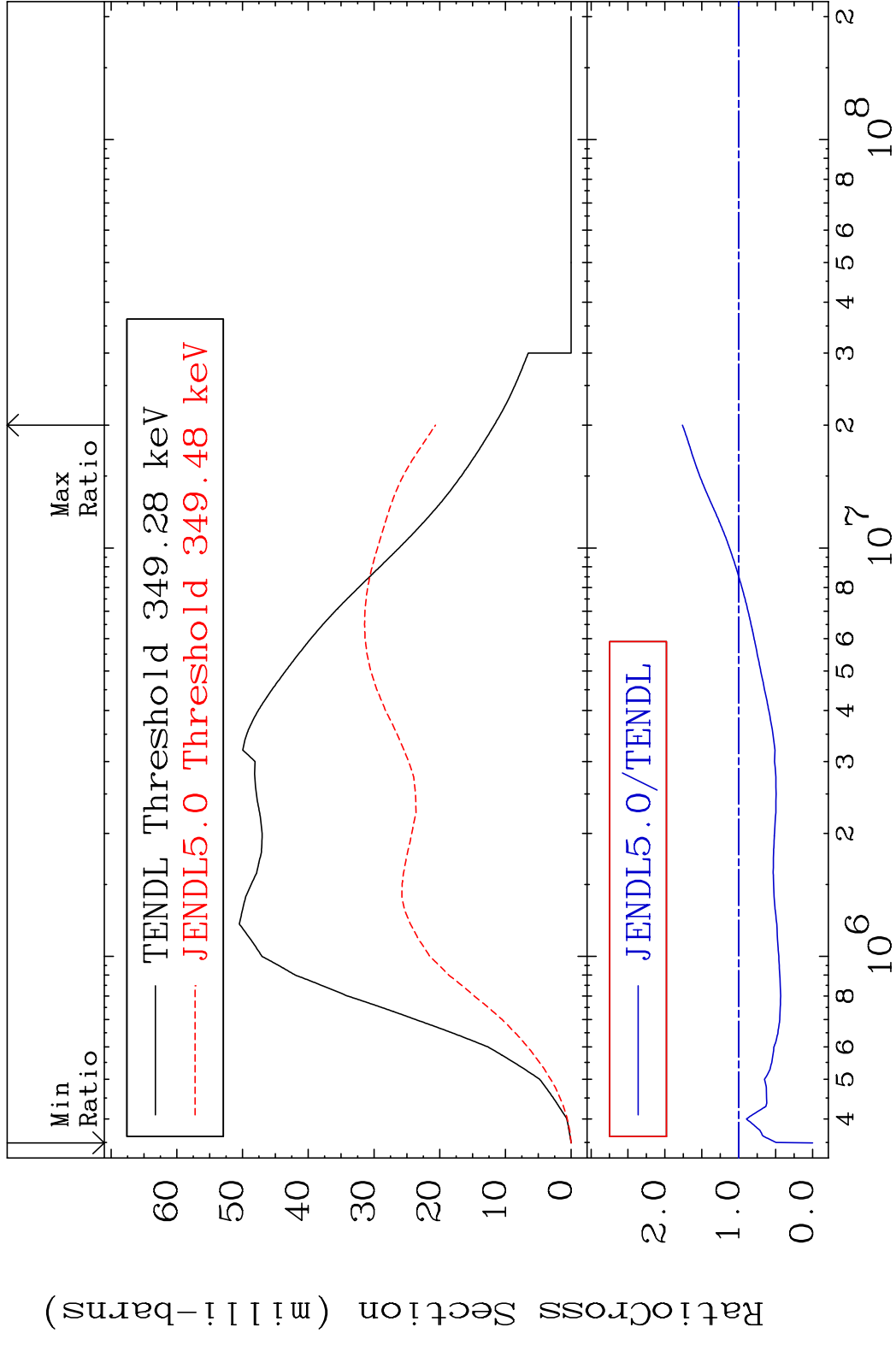
MAT 6440 MT= 57 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



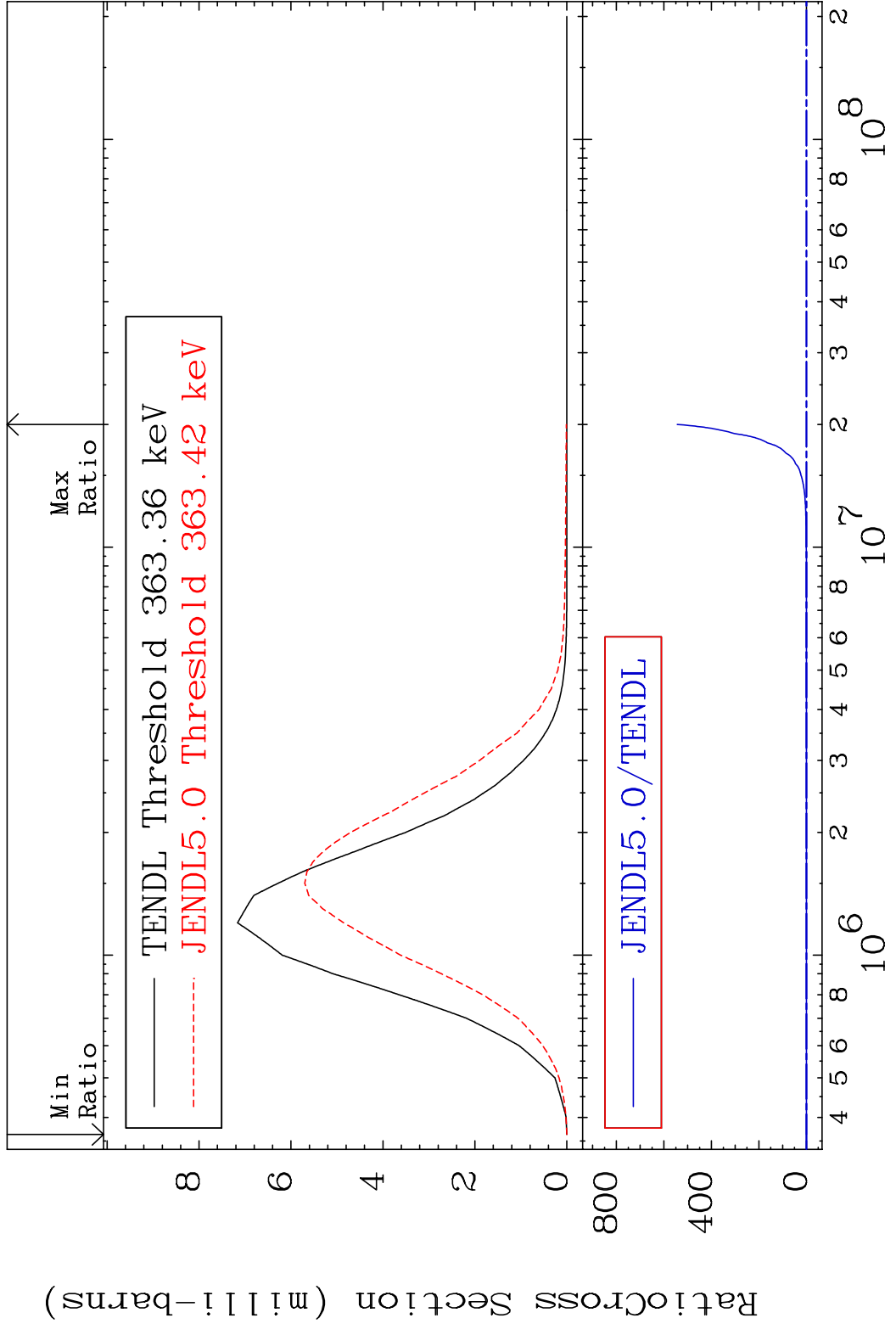
MAT 6440 MT= 58 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



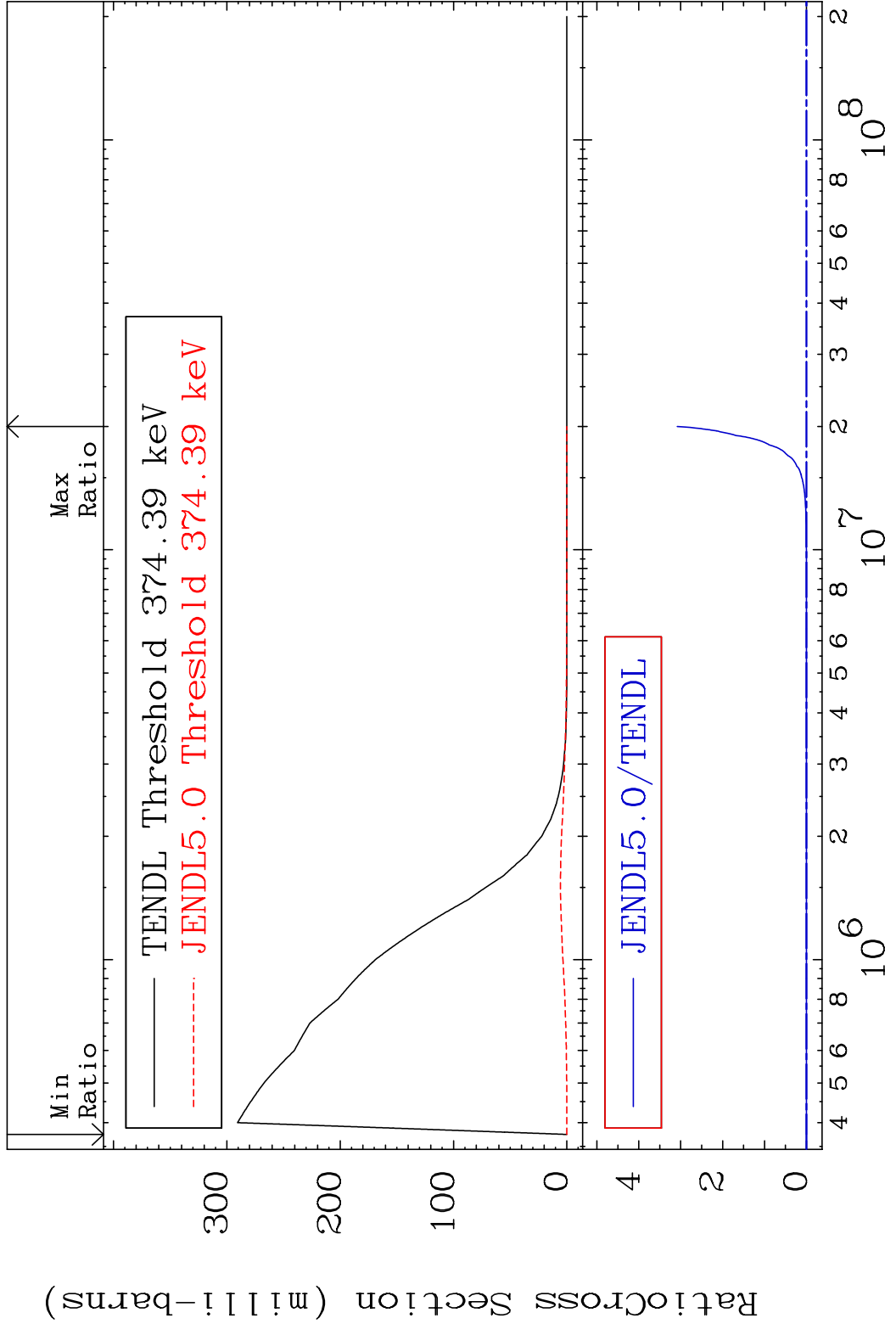
MAT 6440 MT= 59 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 76.35 %



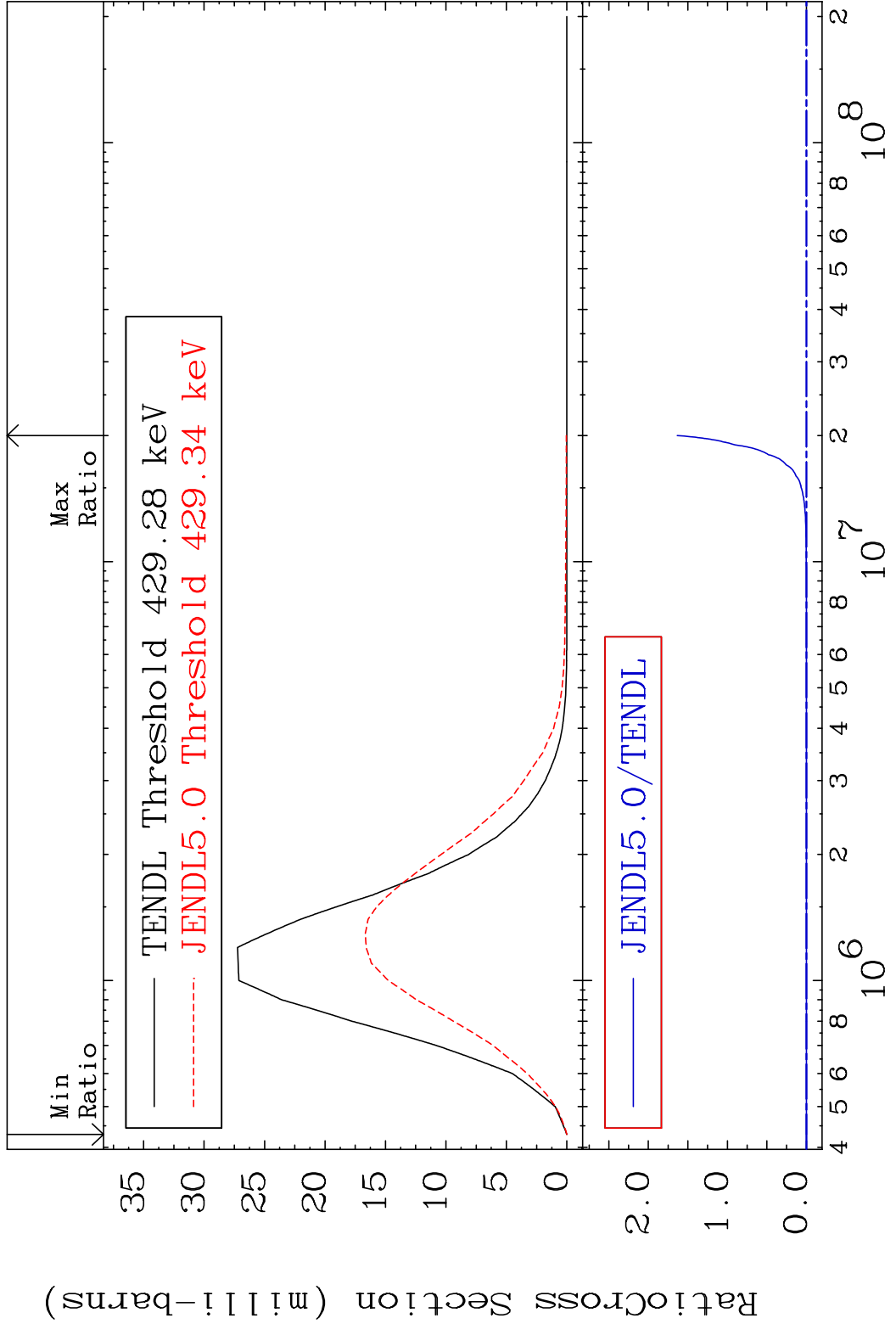
MAT 6440 MT= 60 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



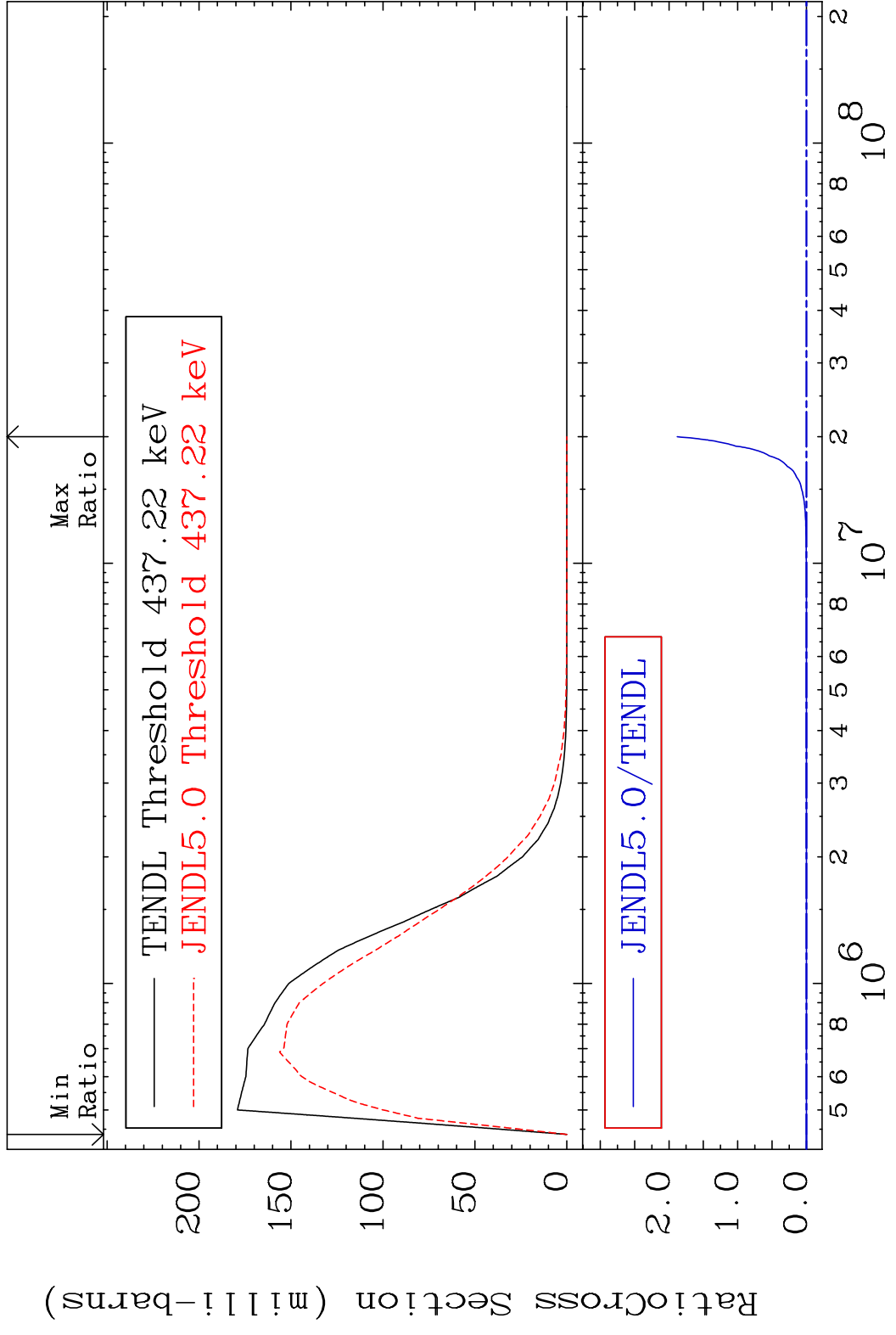
MAT 6440 MT= 61 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



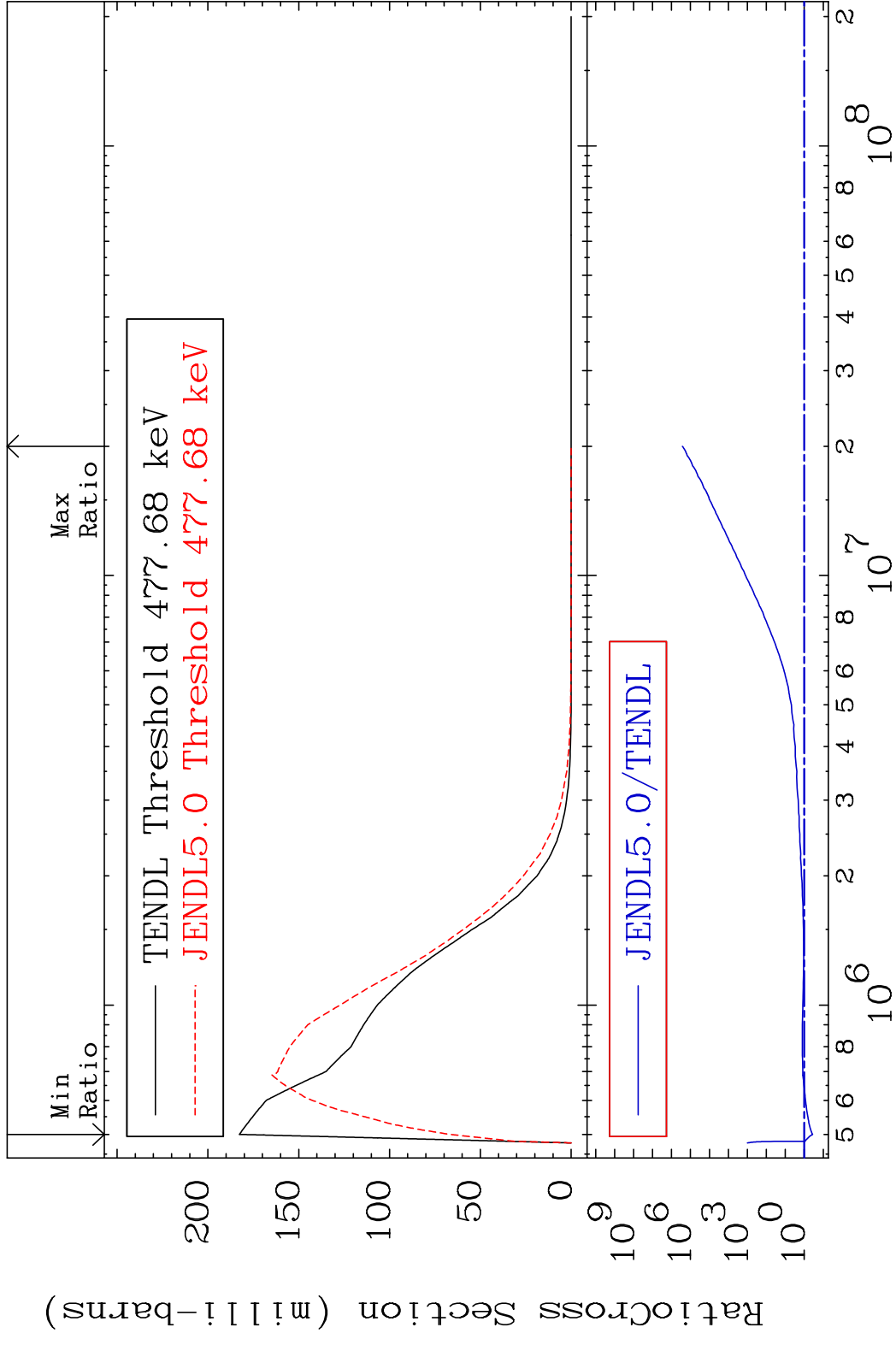
MAT 6440 MT= 62 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



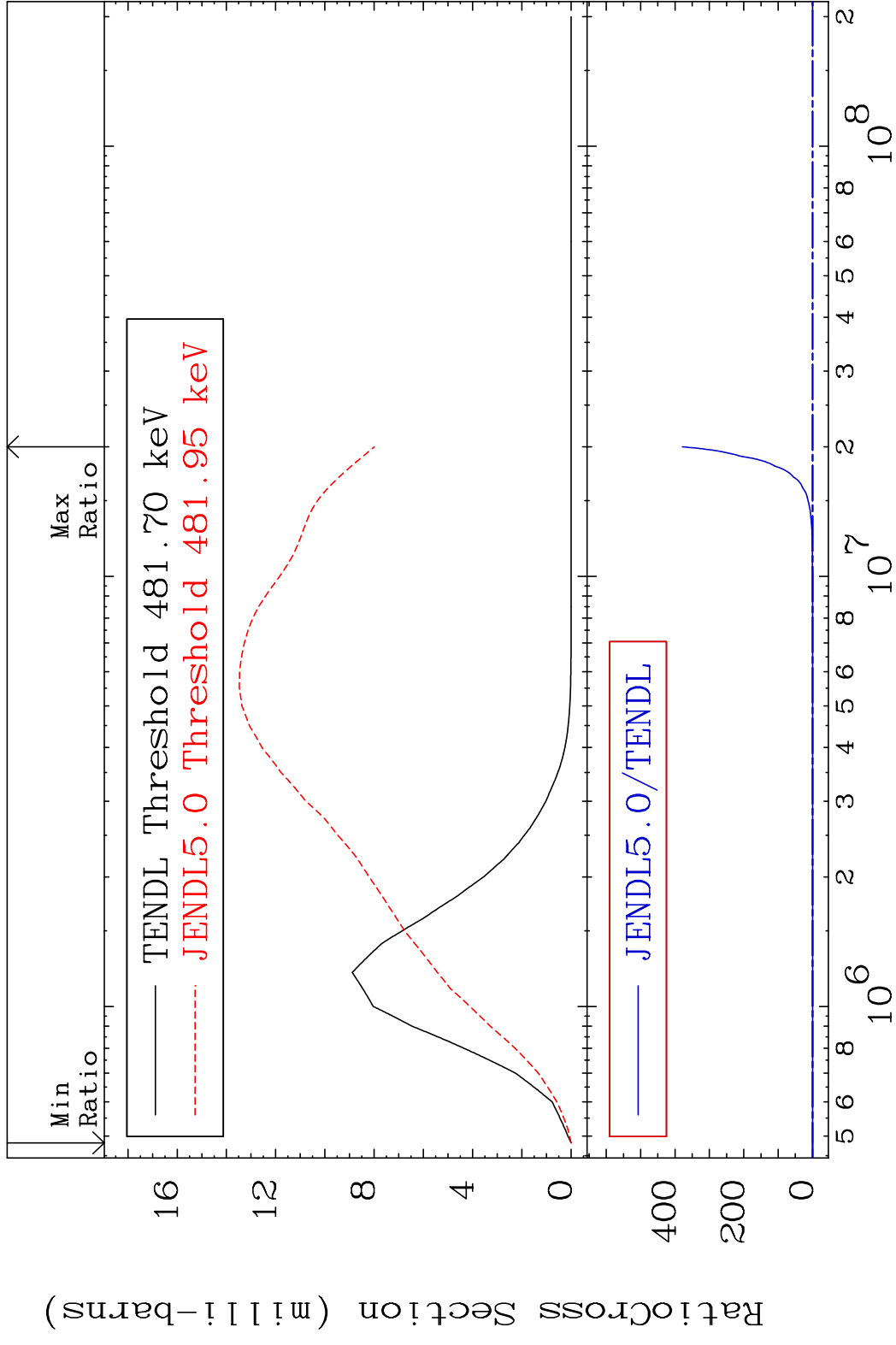
MAT 6440 MT= 63 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



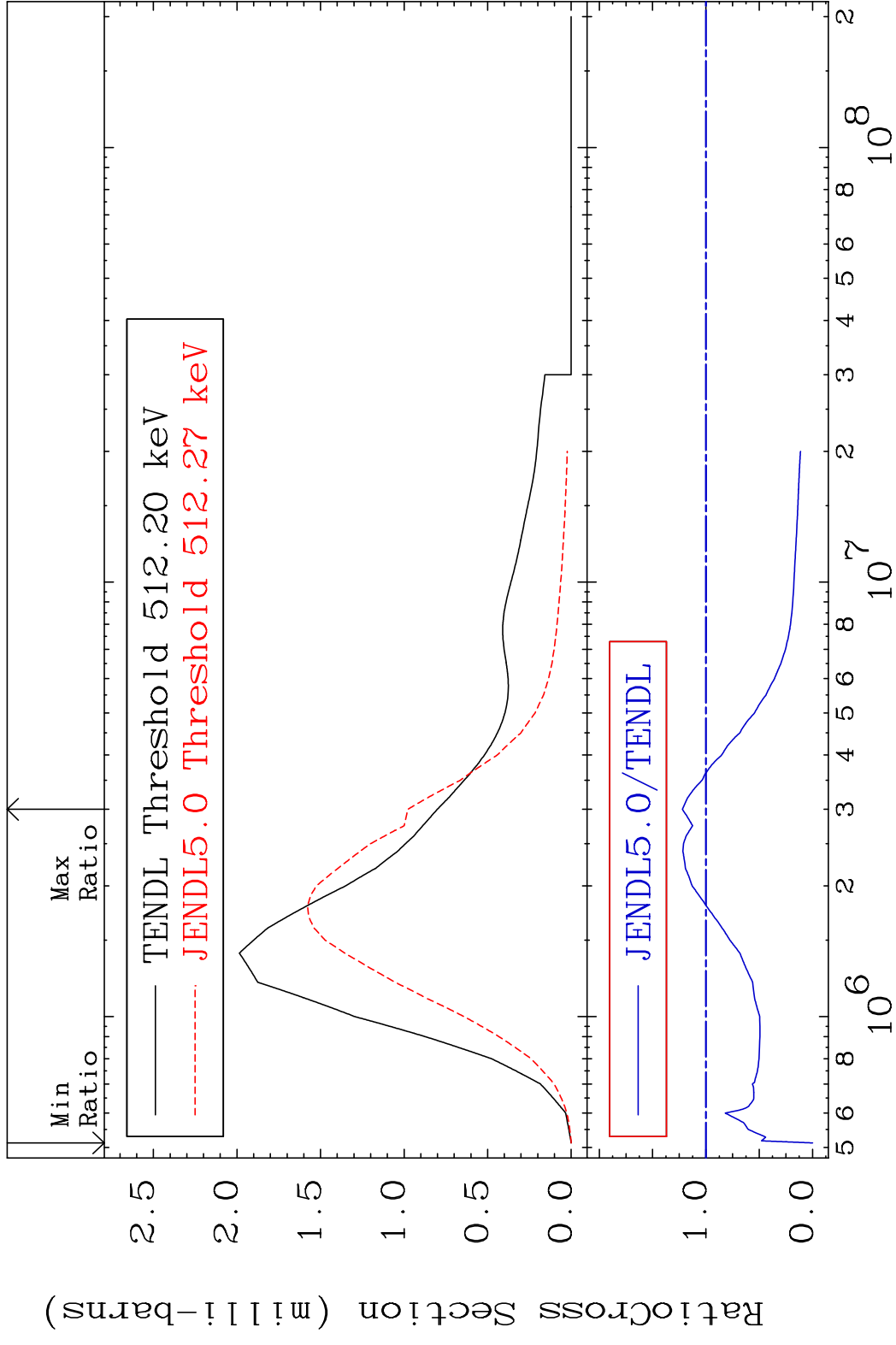
MAT 6440 MT= 64 (n, n') Level 64-Gd-157
 Cross Section -63.46 To 9999. %



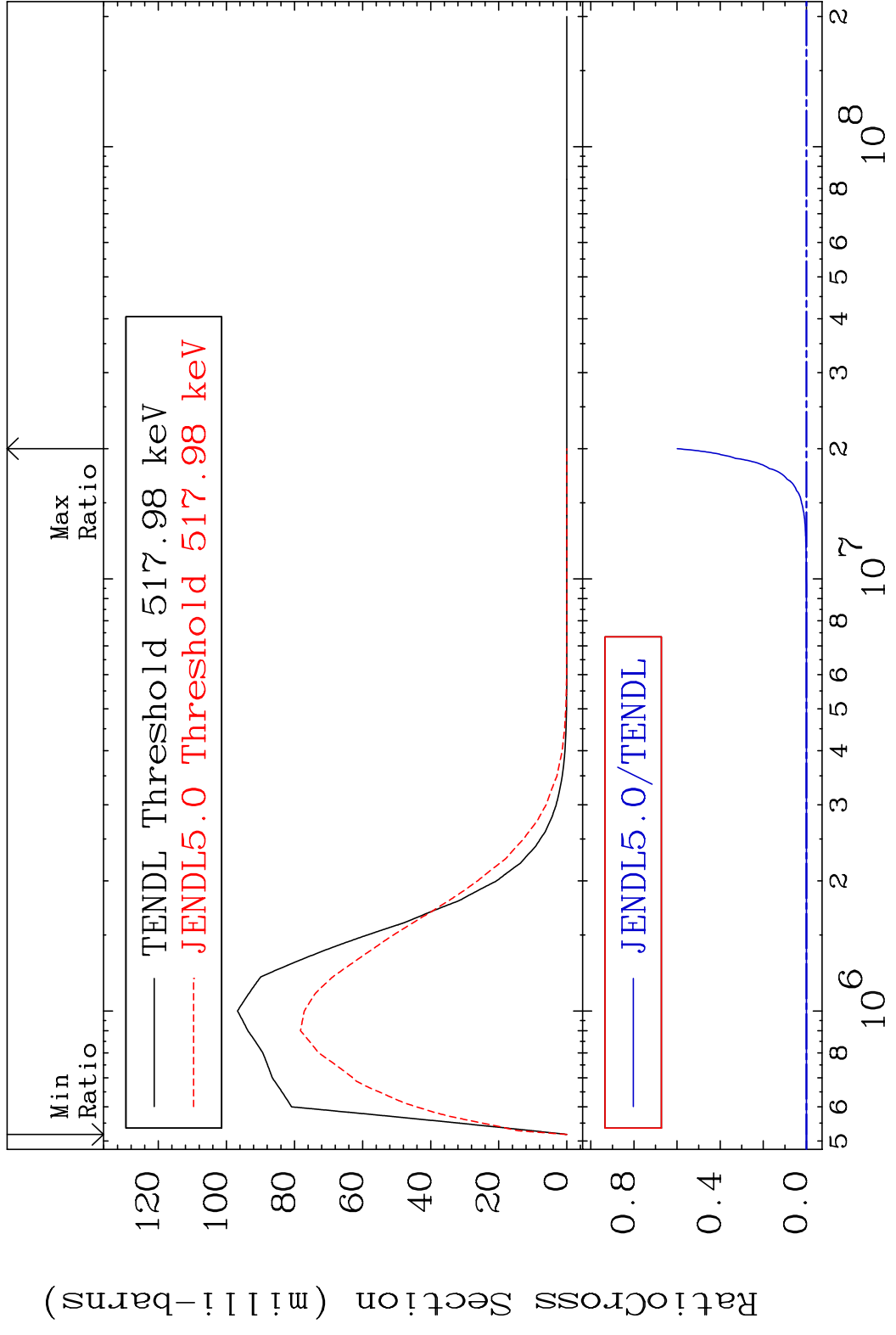
MAT 6440 MT= 65 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



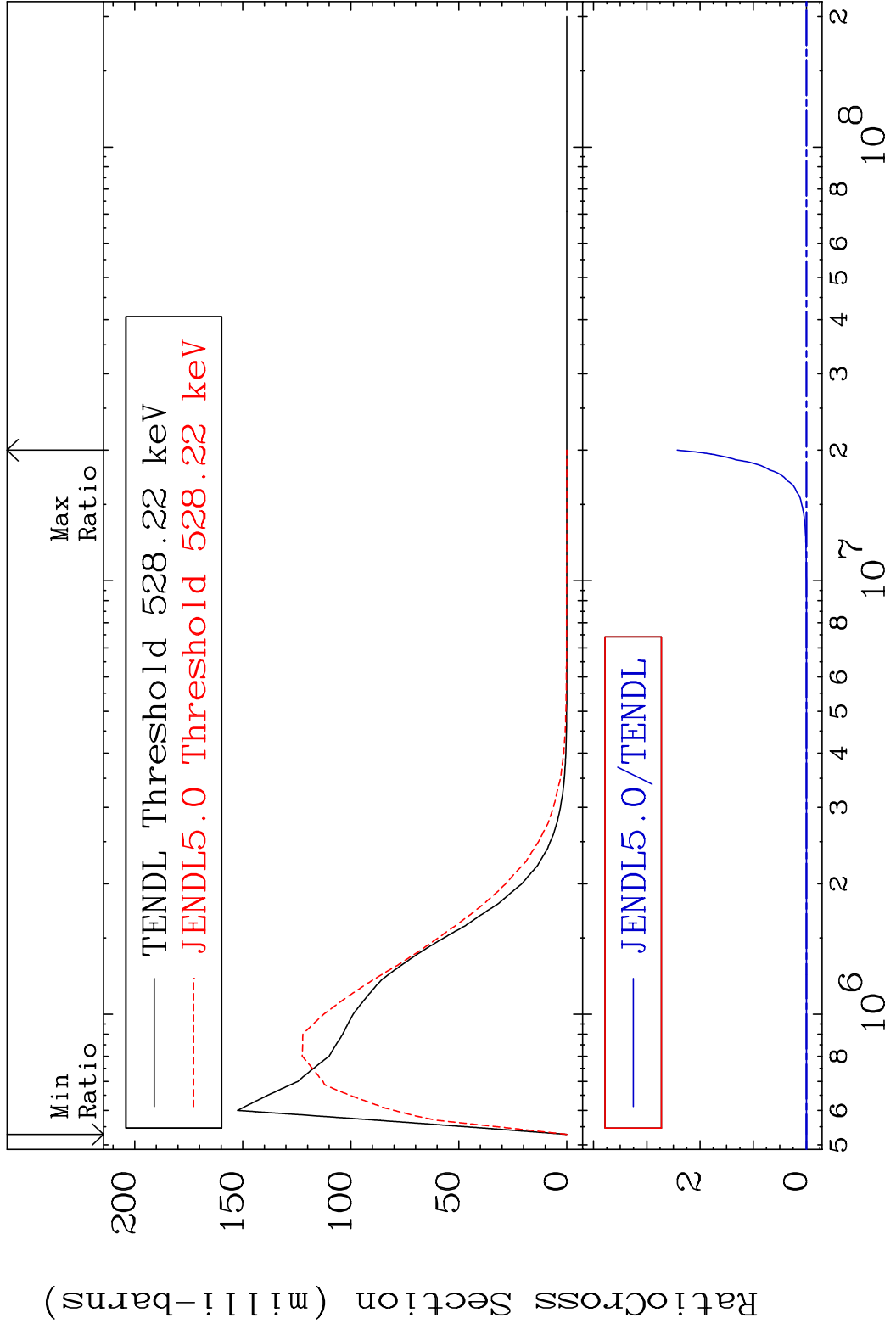
MAT 6440 MT= 66 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 22.11 %



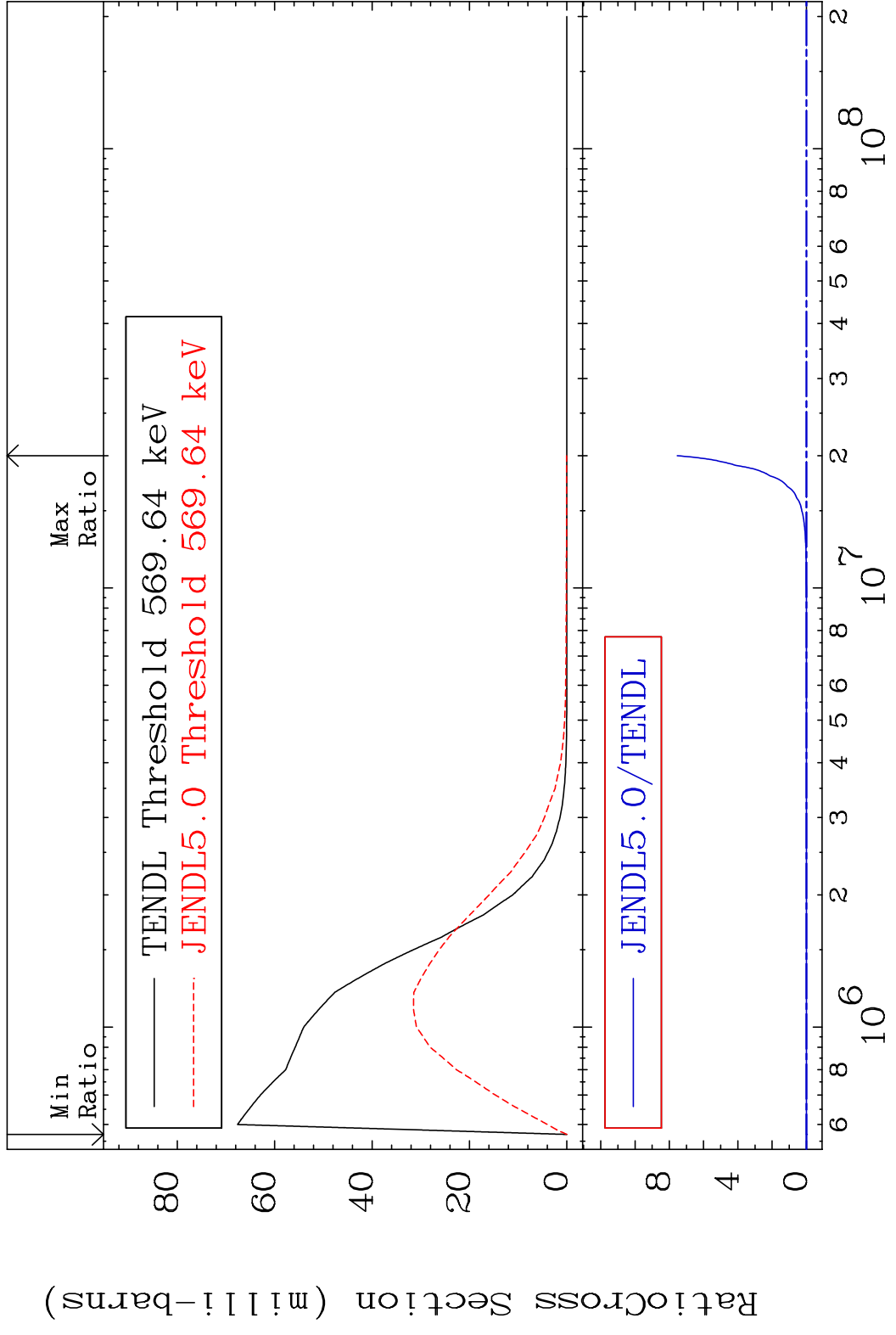
MAT 6440 MT= 67 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



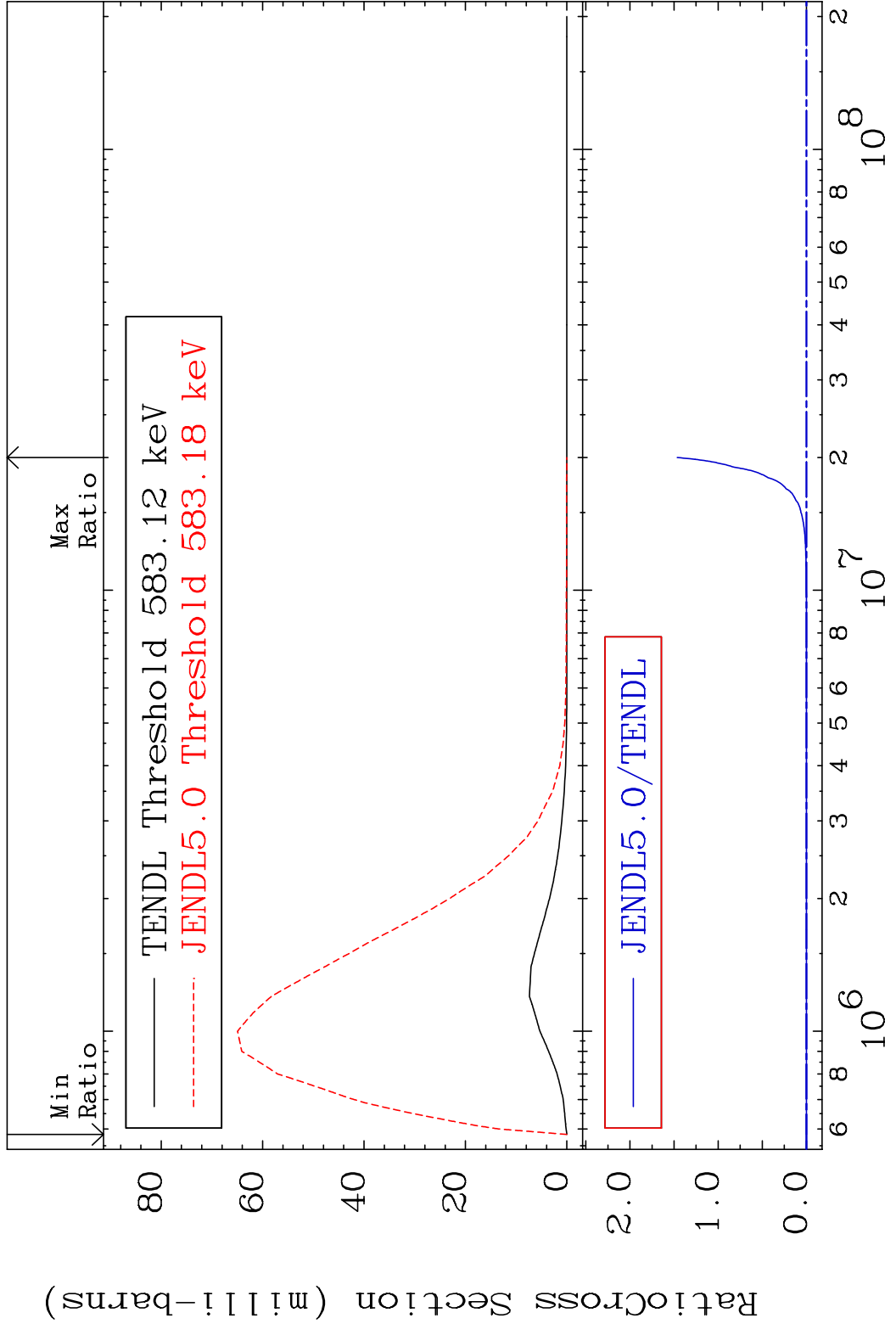
MAT 6440 MT= 68 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



MAT 6440 MT= 69 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %

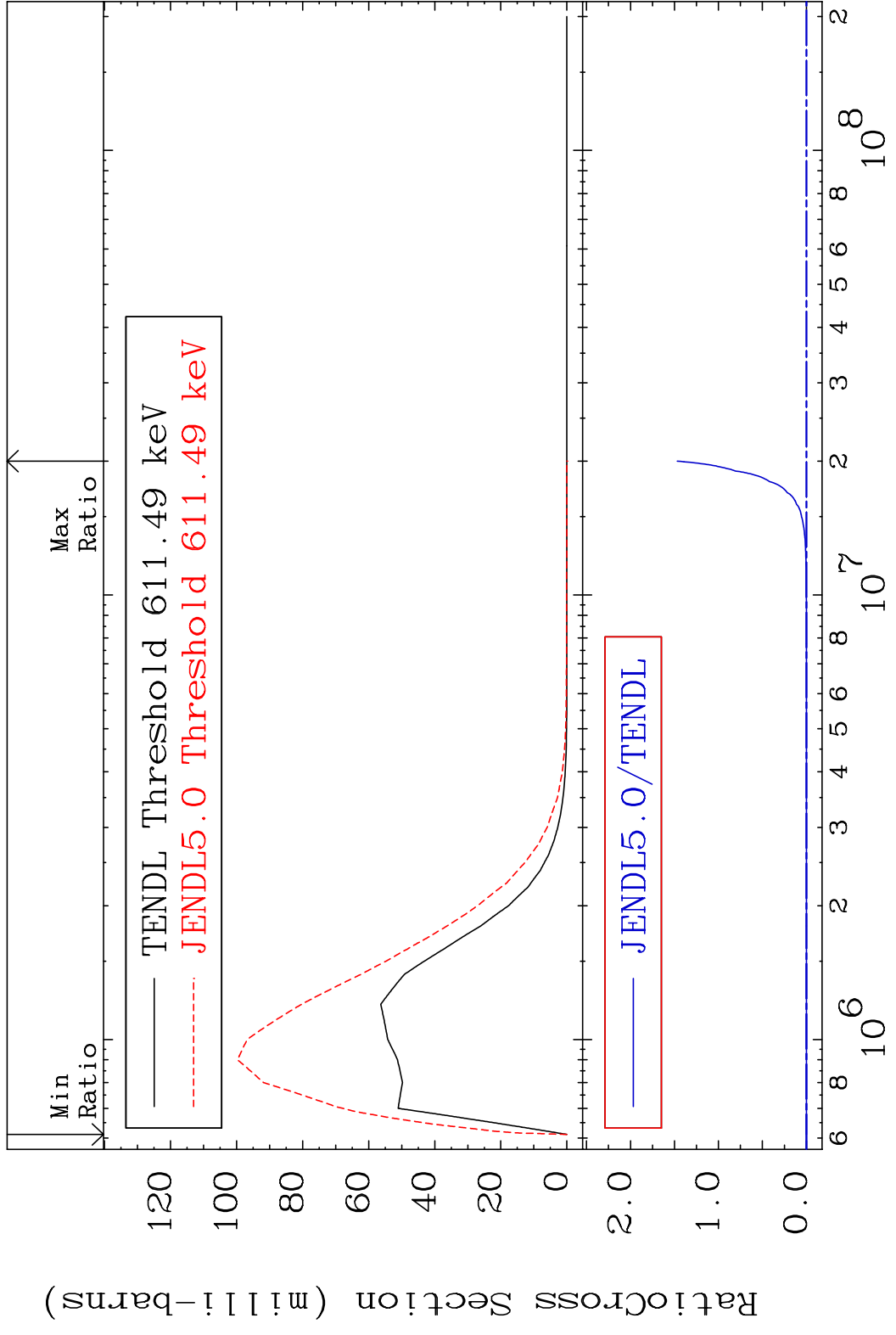


MAT 6440 MT= 70 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %

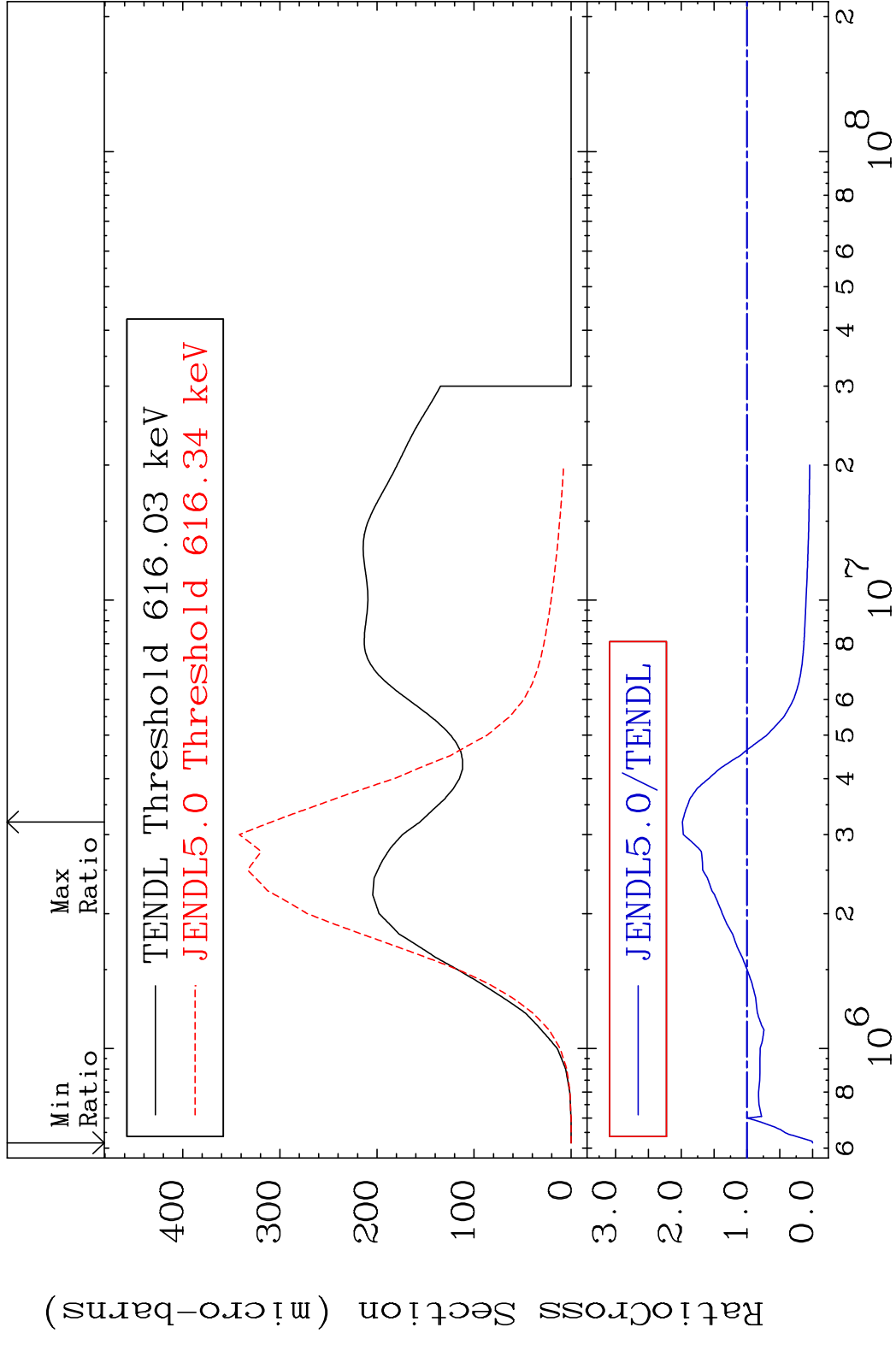


30 Incident Energy (eV) 64-Gd-157

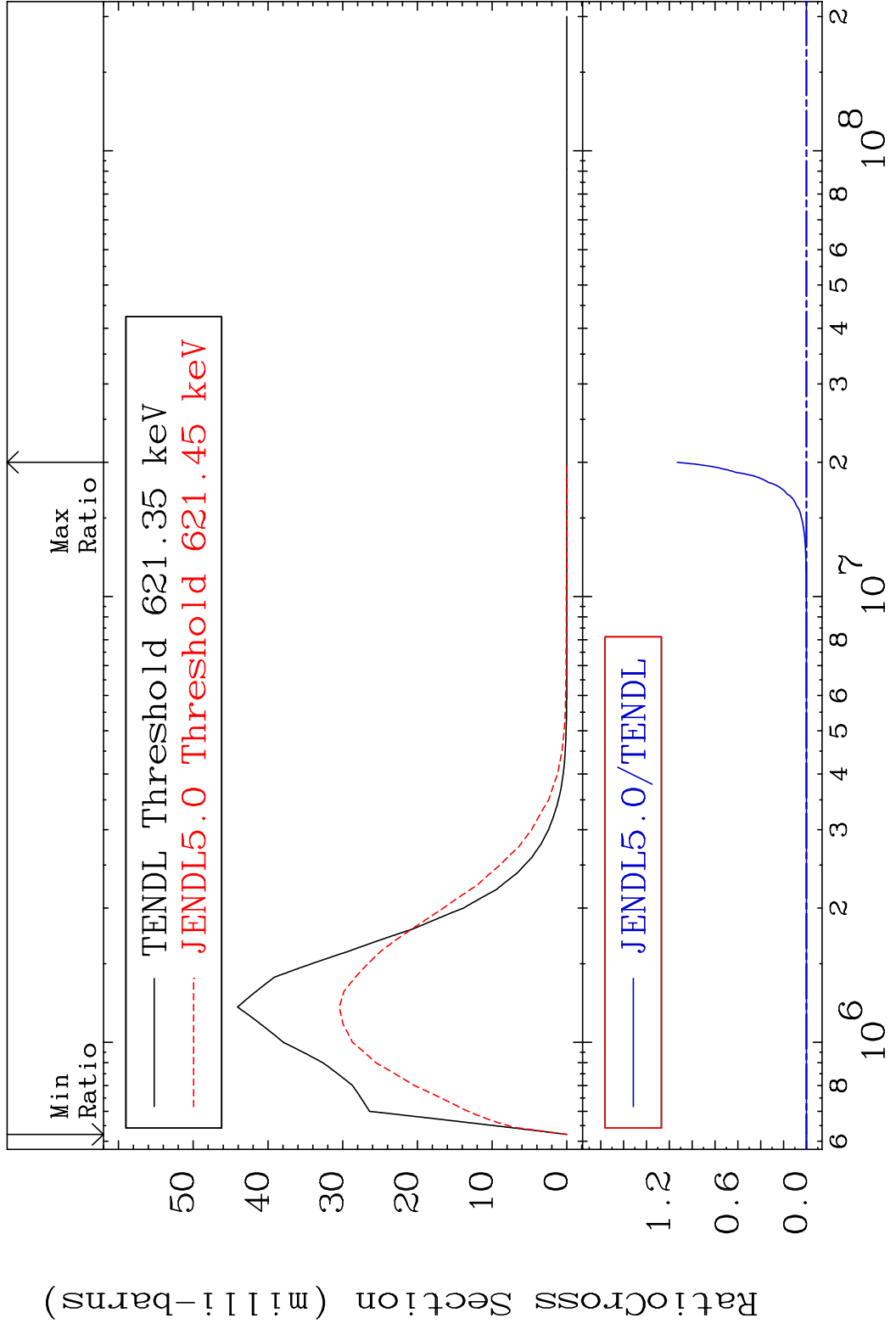
MAT 6440 MT= 71 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



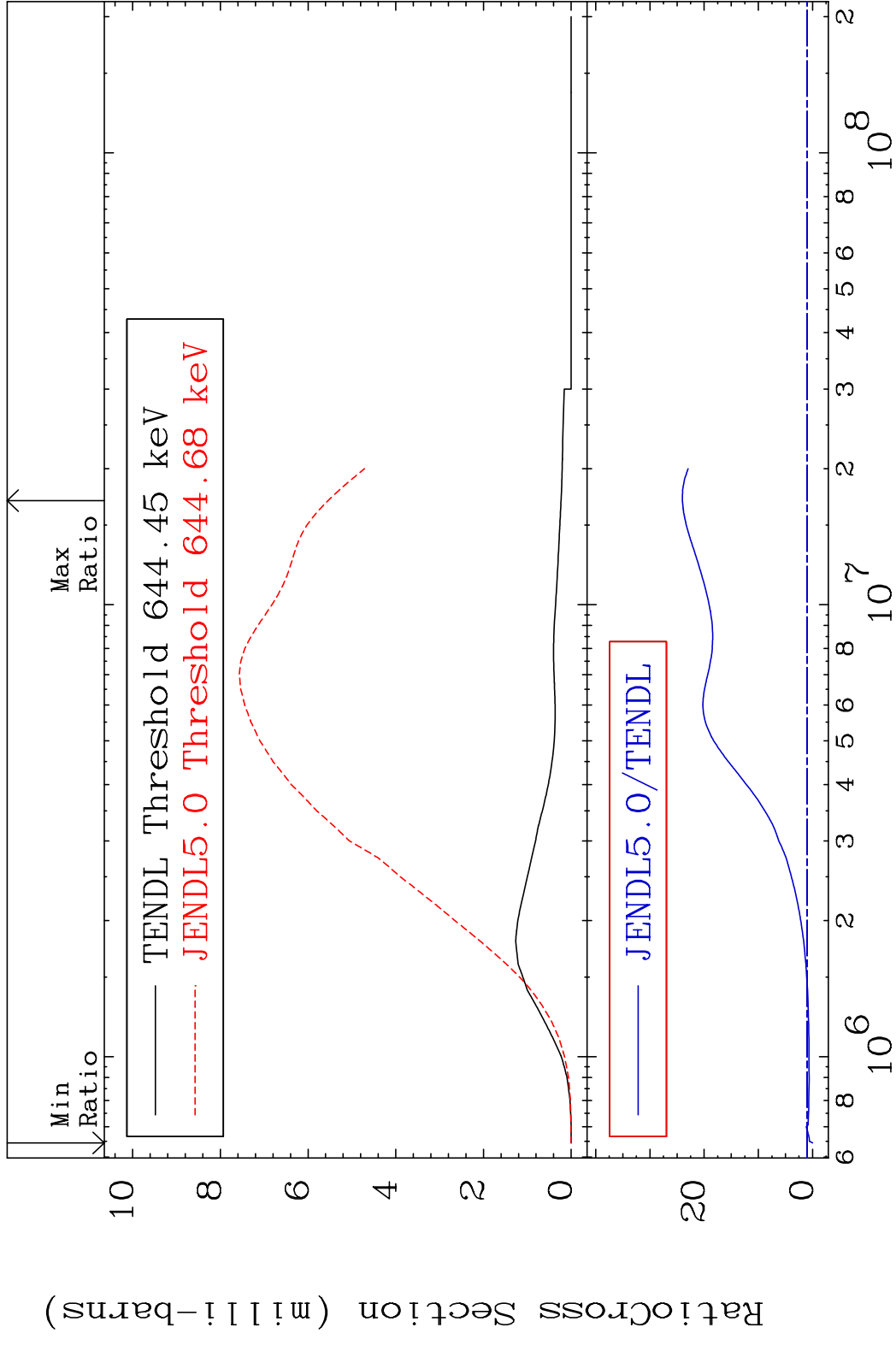
MAT 6440 MT= 72 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 98.27 %



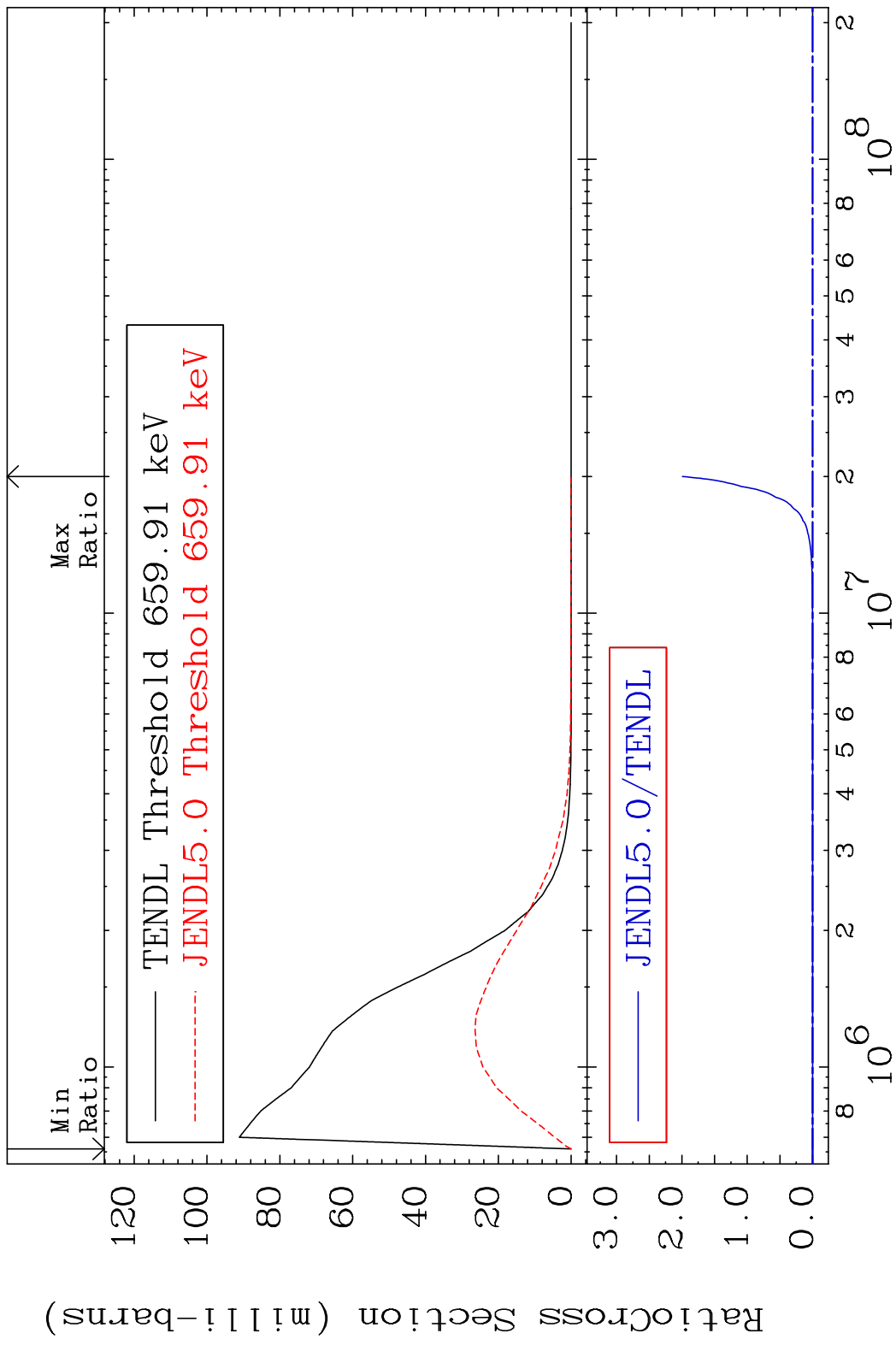
MAT 6440 MT= 73 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



MAT 6440 MT= 74 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 2302. %

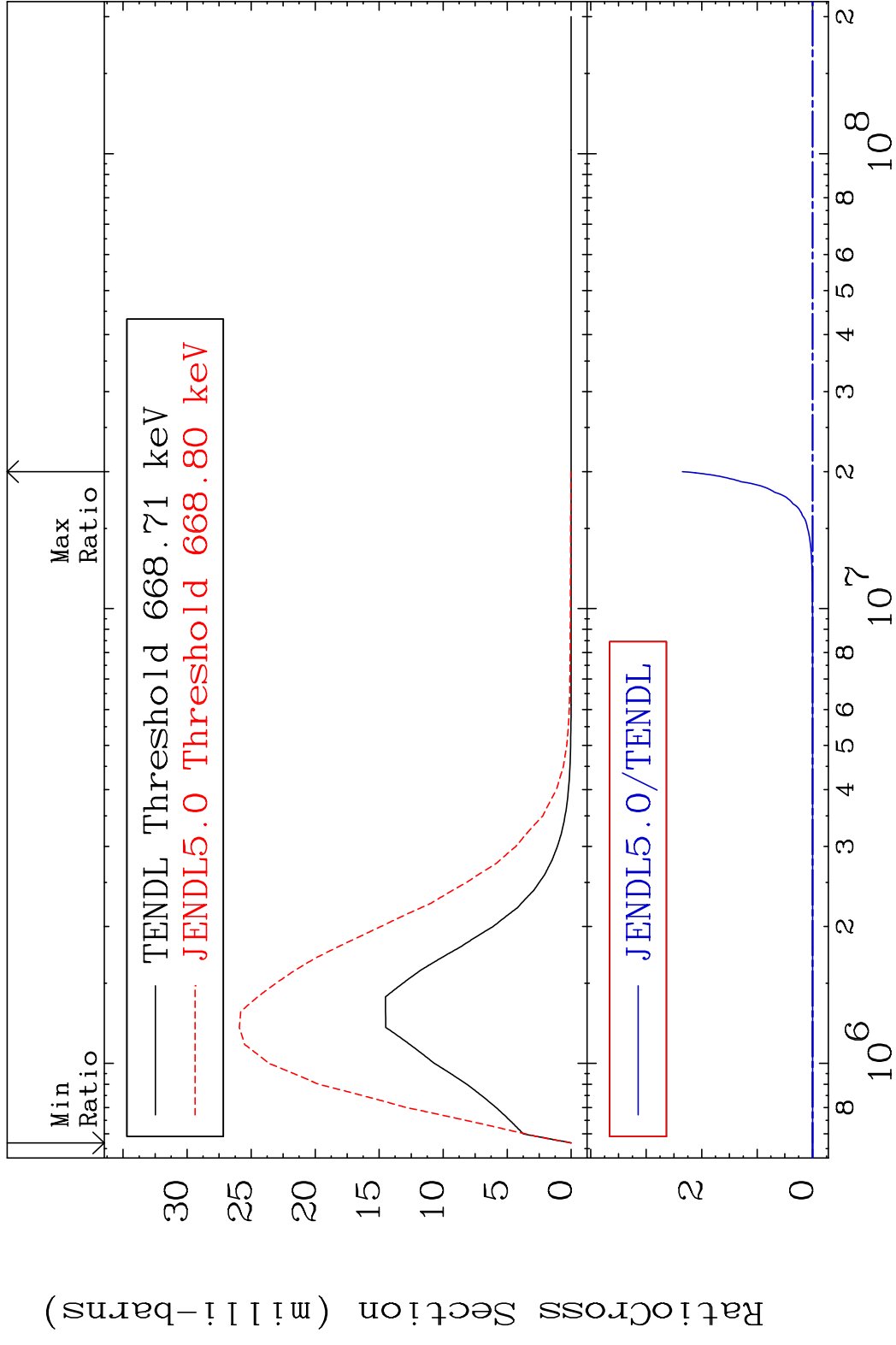


MAT 6440 MT= 75 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %

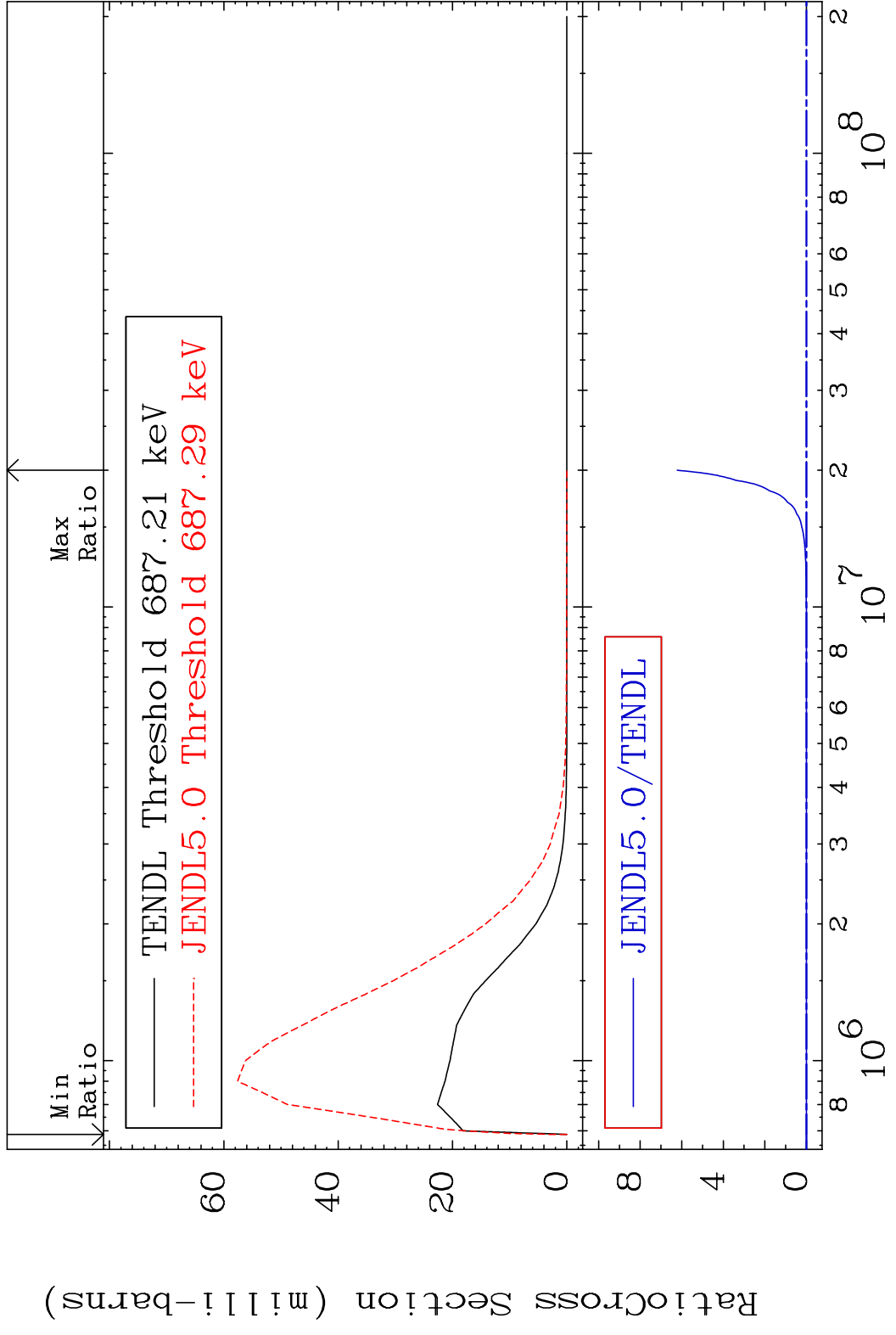


35 Incident Energy (eV) 64-Gd-157

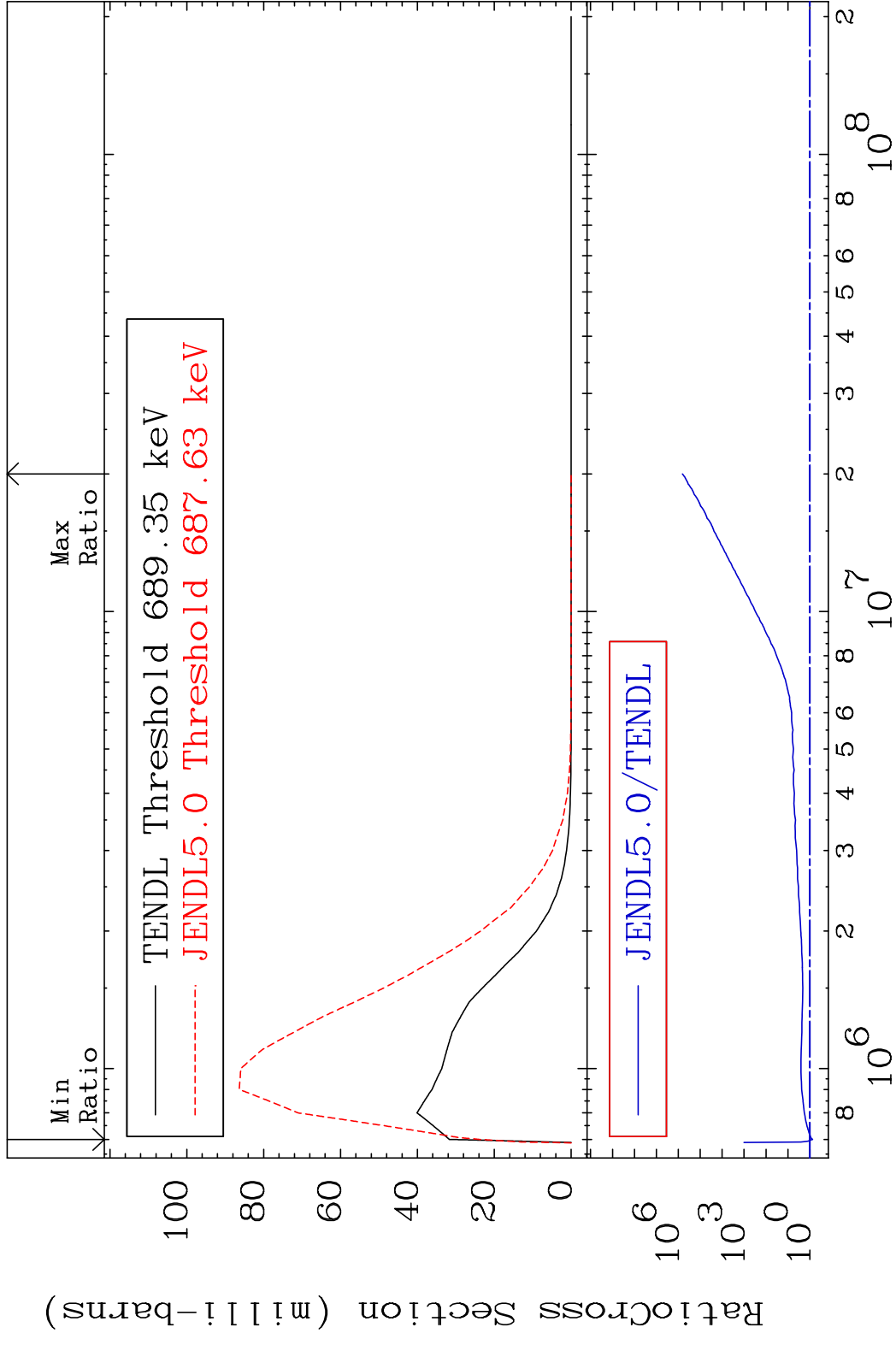
MAT 6440 MT= 76 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



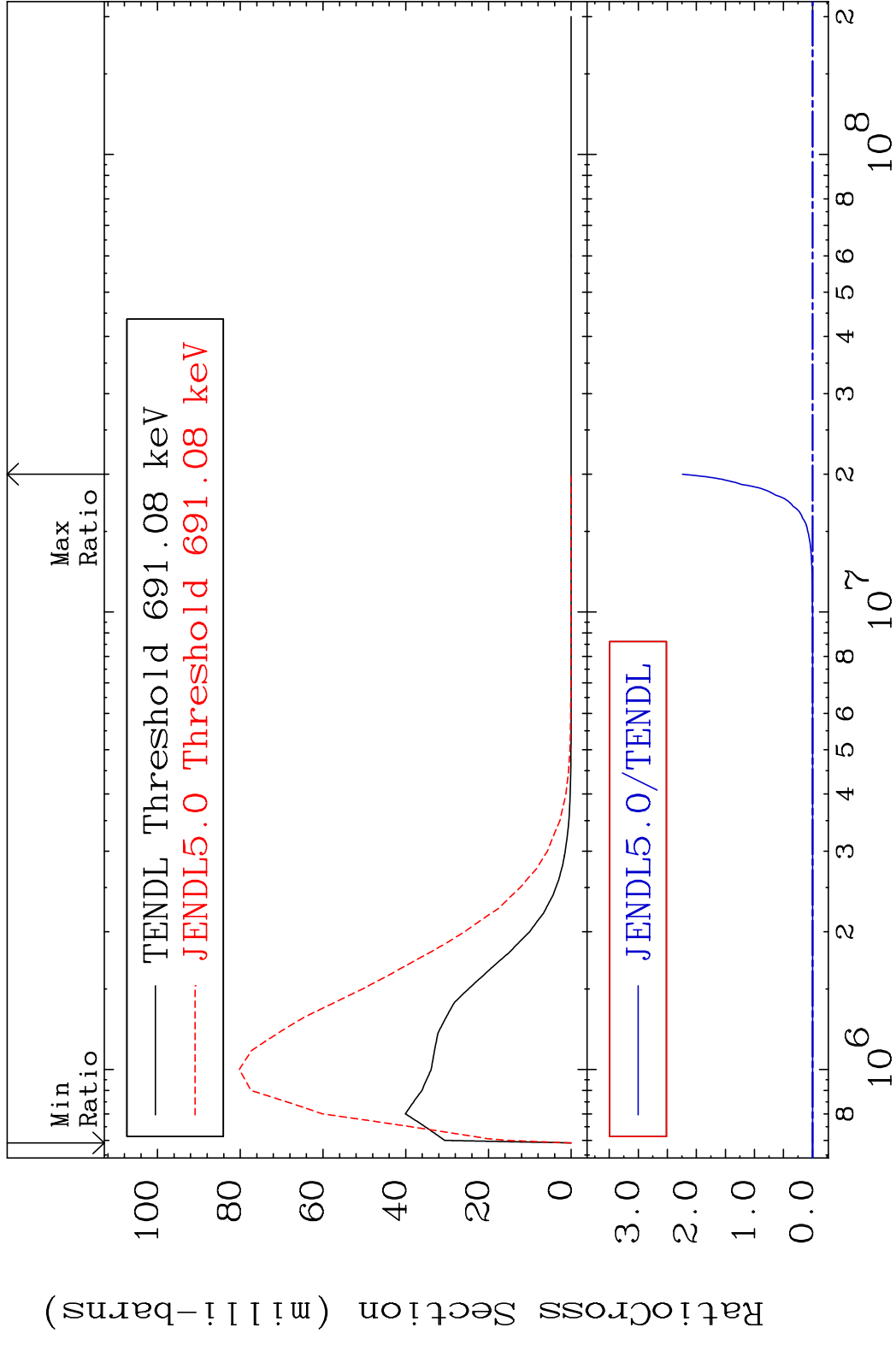
MAT 6440 MT= 77 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



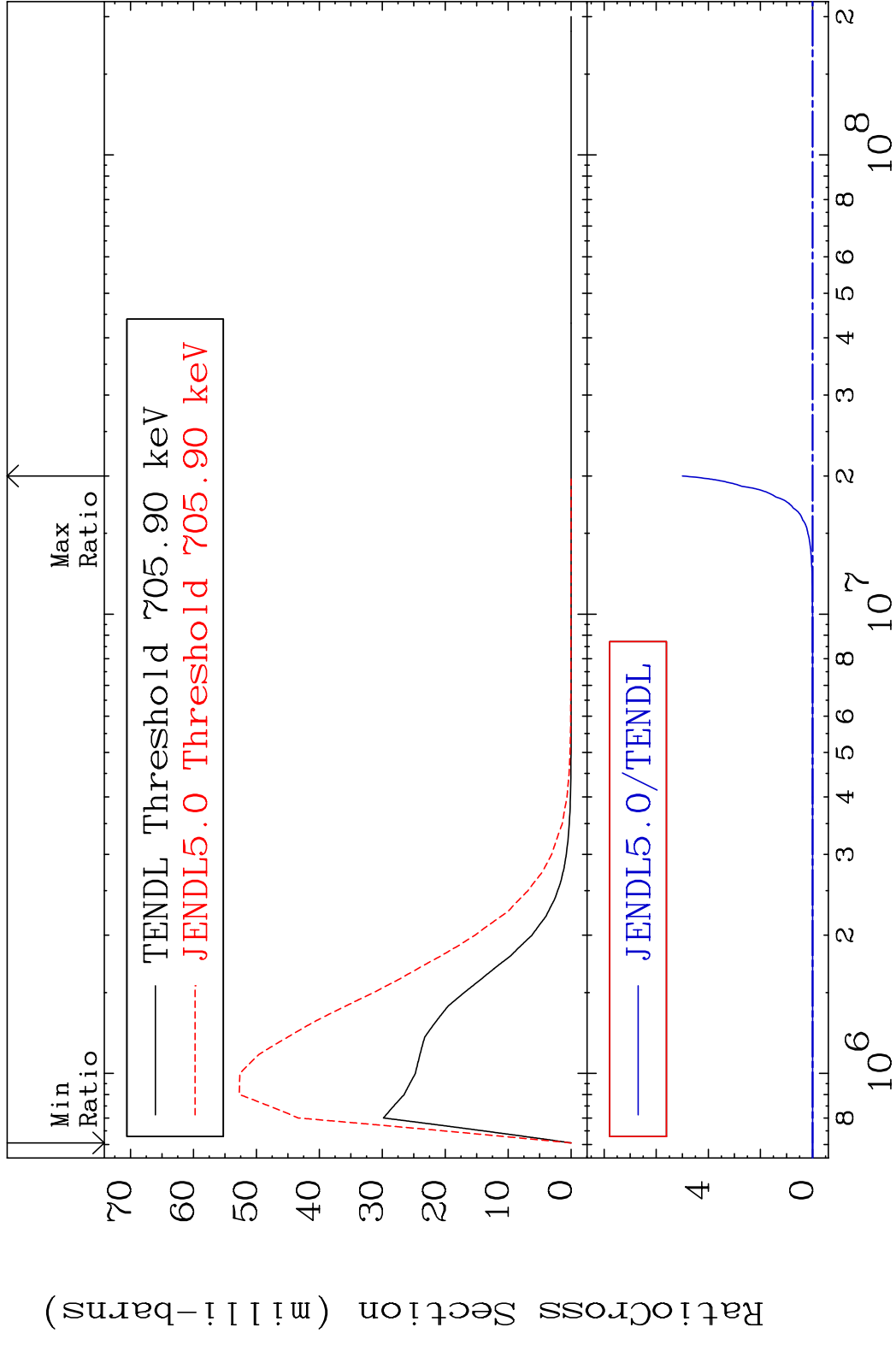
MAT 6440 MT= 78 (n, n') Level 64-Gd-157
 Cross Section -24.78 To 9999. %



MAT 6440 MT= 79 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



MAT 6440 MT= 80 (n, n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %



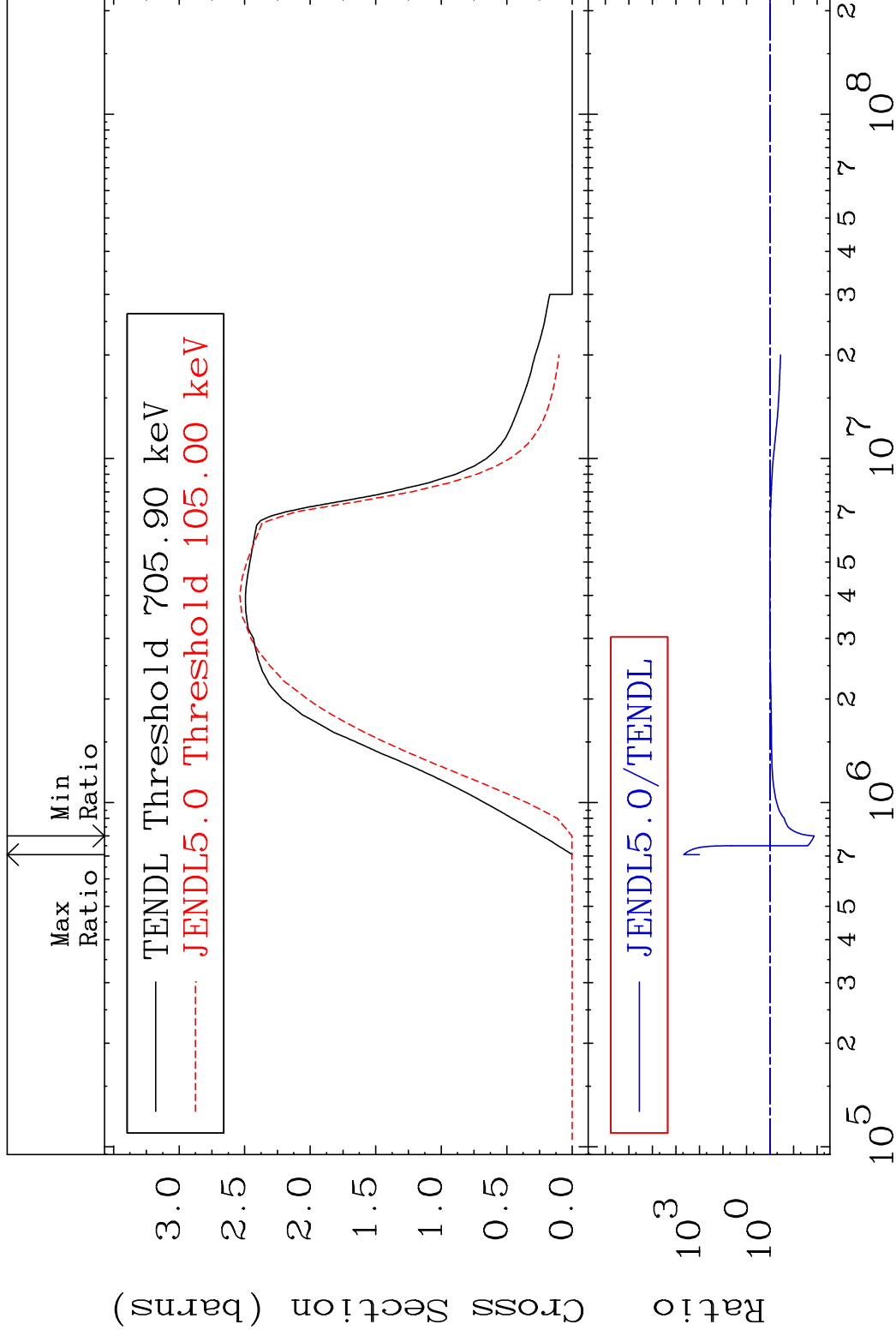
40 Incident Energy (eV) 64-Gd-157

MAT 6440

(n,n') Continuum

64-Gd-157

Cross Section -98.66 To 9999. %



41

Incident Energy (eV)

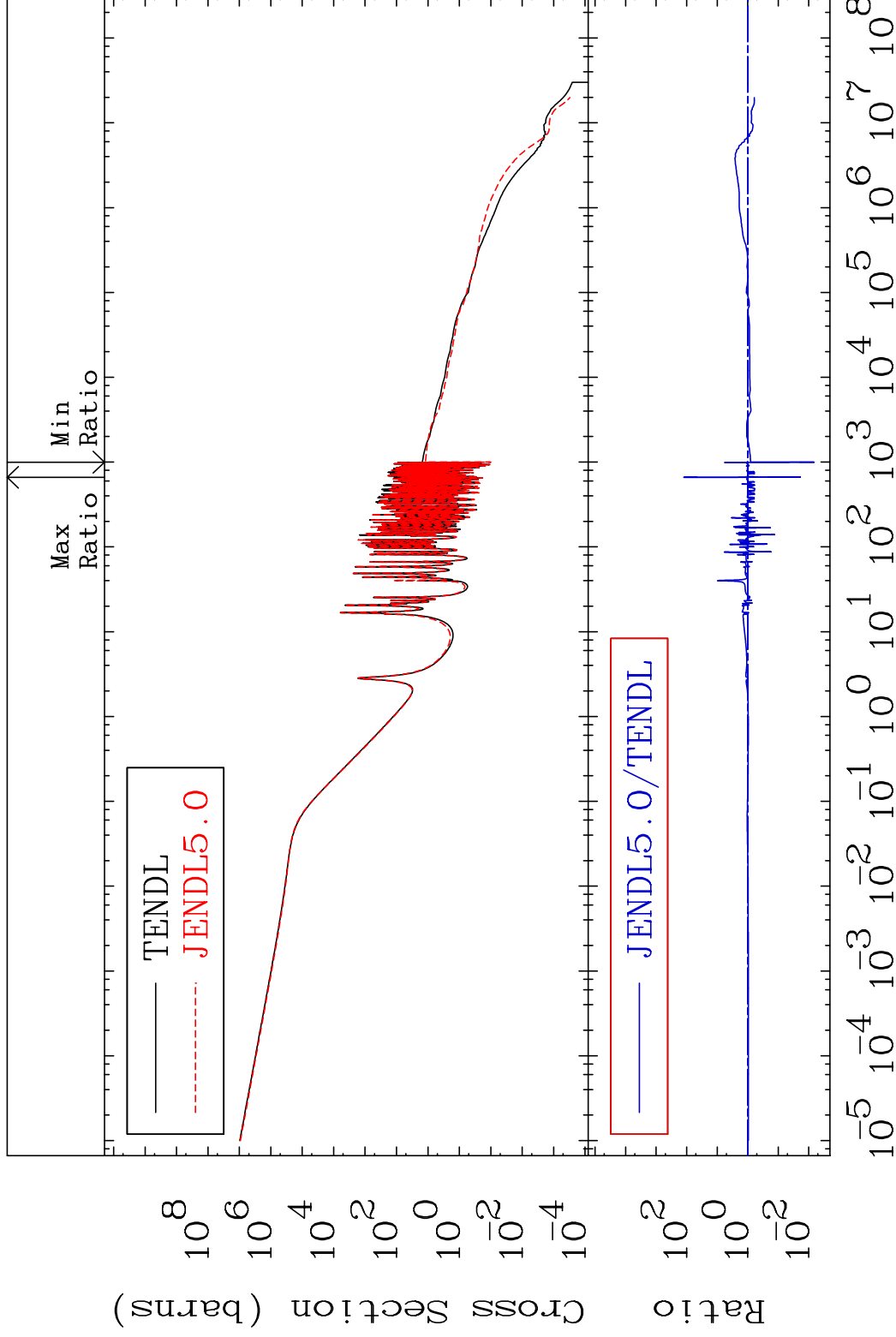
64-Gd-157

MAT 6440

(n, γ)

64-Gd-157

Cross Section -99.33 To 9999. %



42

Incident Energy (eV)

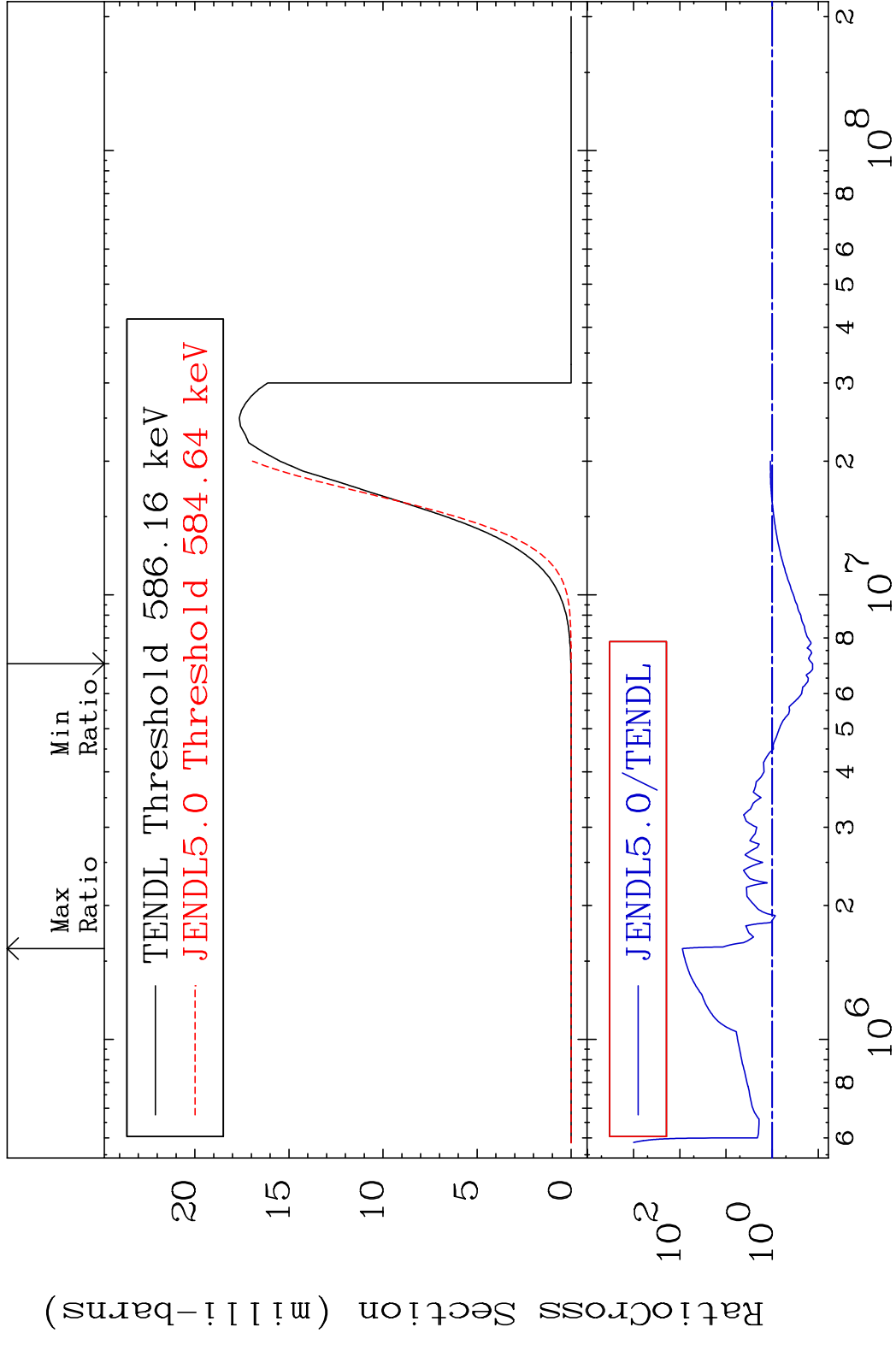
64-Gd-157

MAT 6440

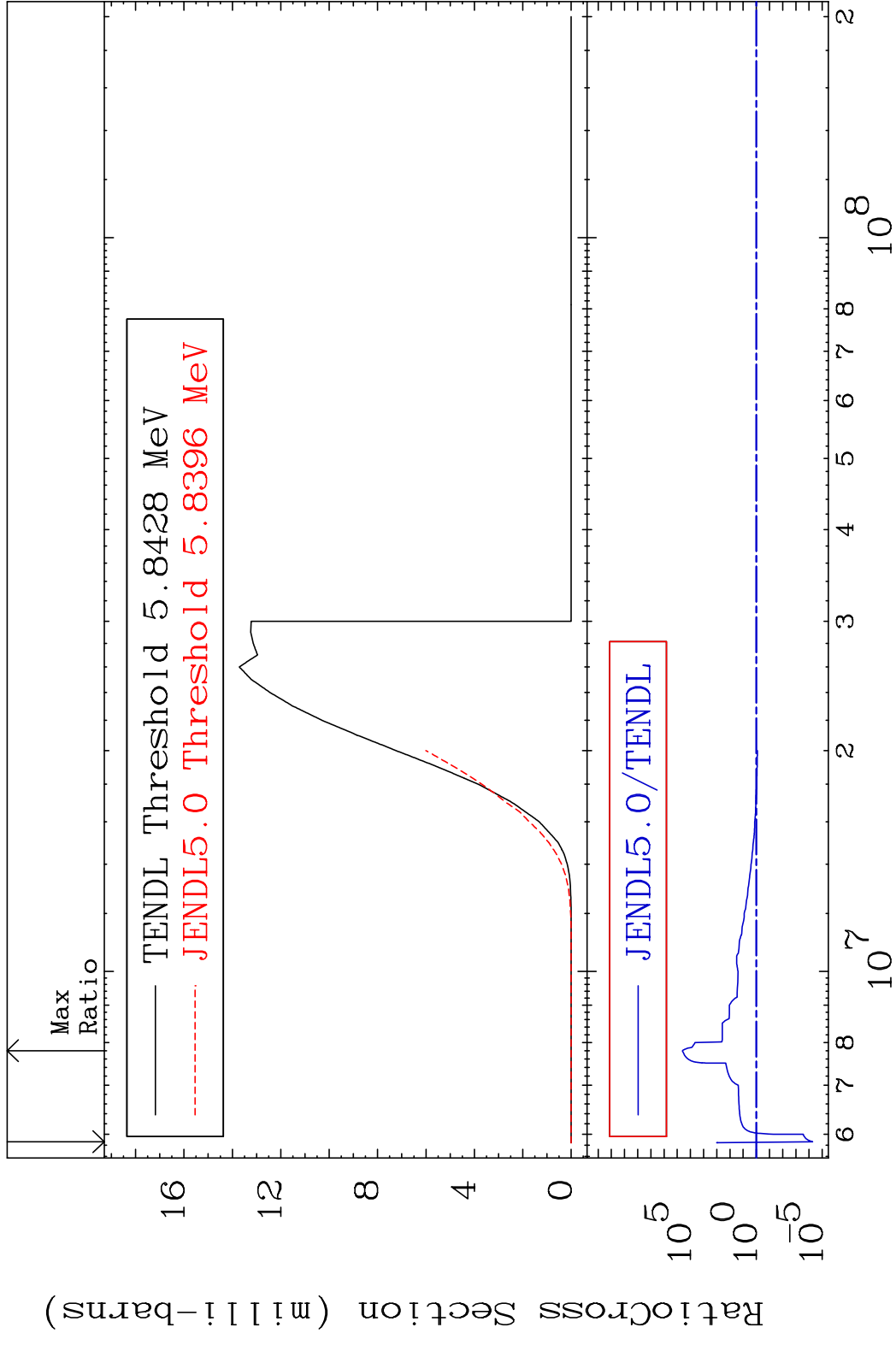
(n, p)

64-Gd-157

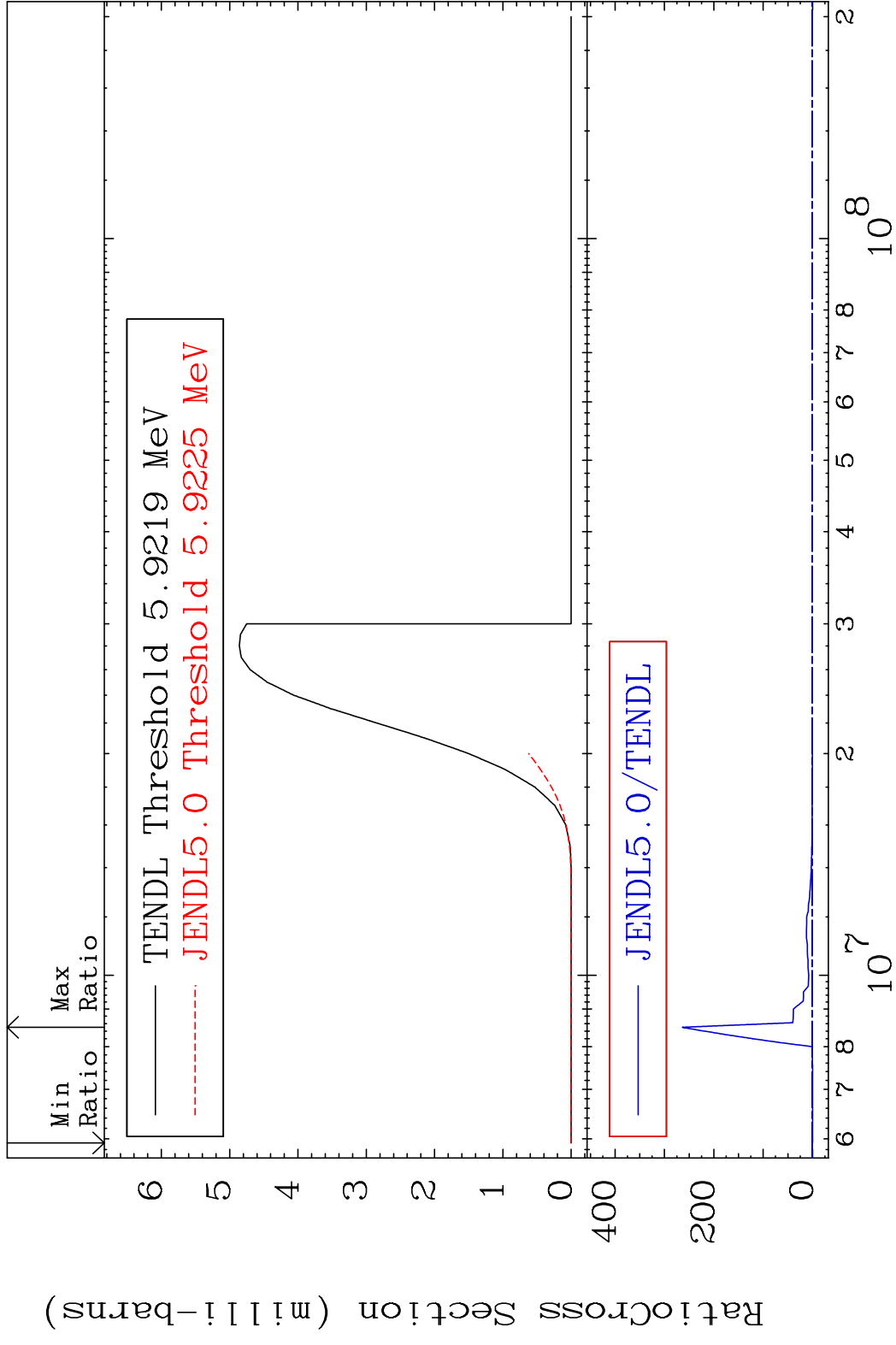
Cross Section -86.69 To 8720. %



MAT 6440 (n,d) 64-Gd-157
 Cross Section -99.99 To 9999. %



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



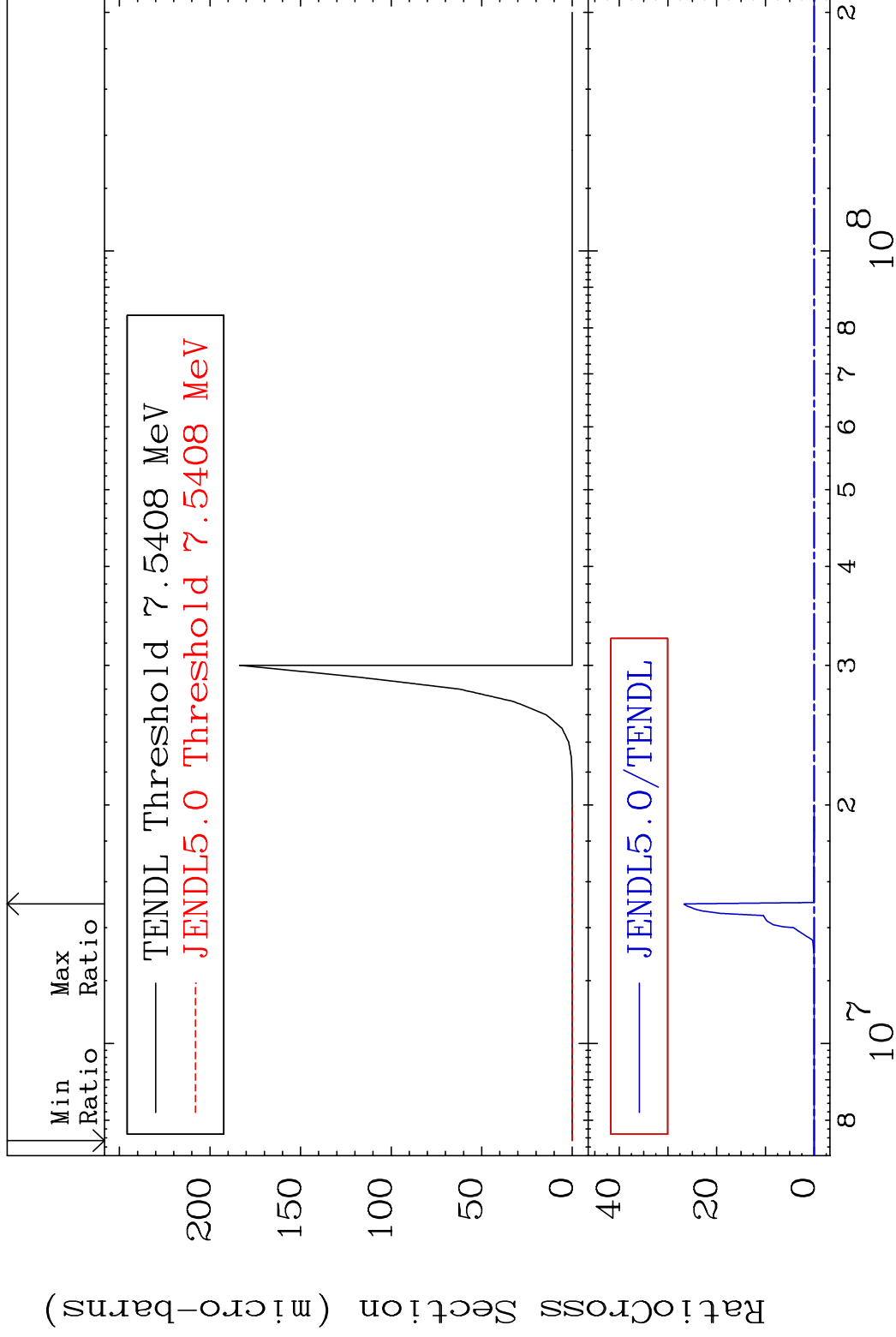
45 Incident Energy (eV) 64-Gd-157

MAT 6440

(n, He-3)

64-Gd-157

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

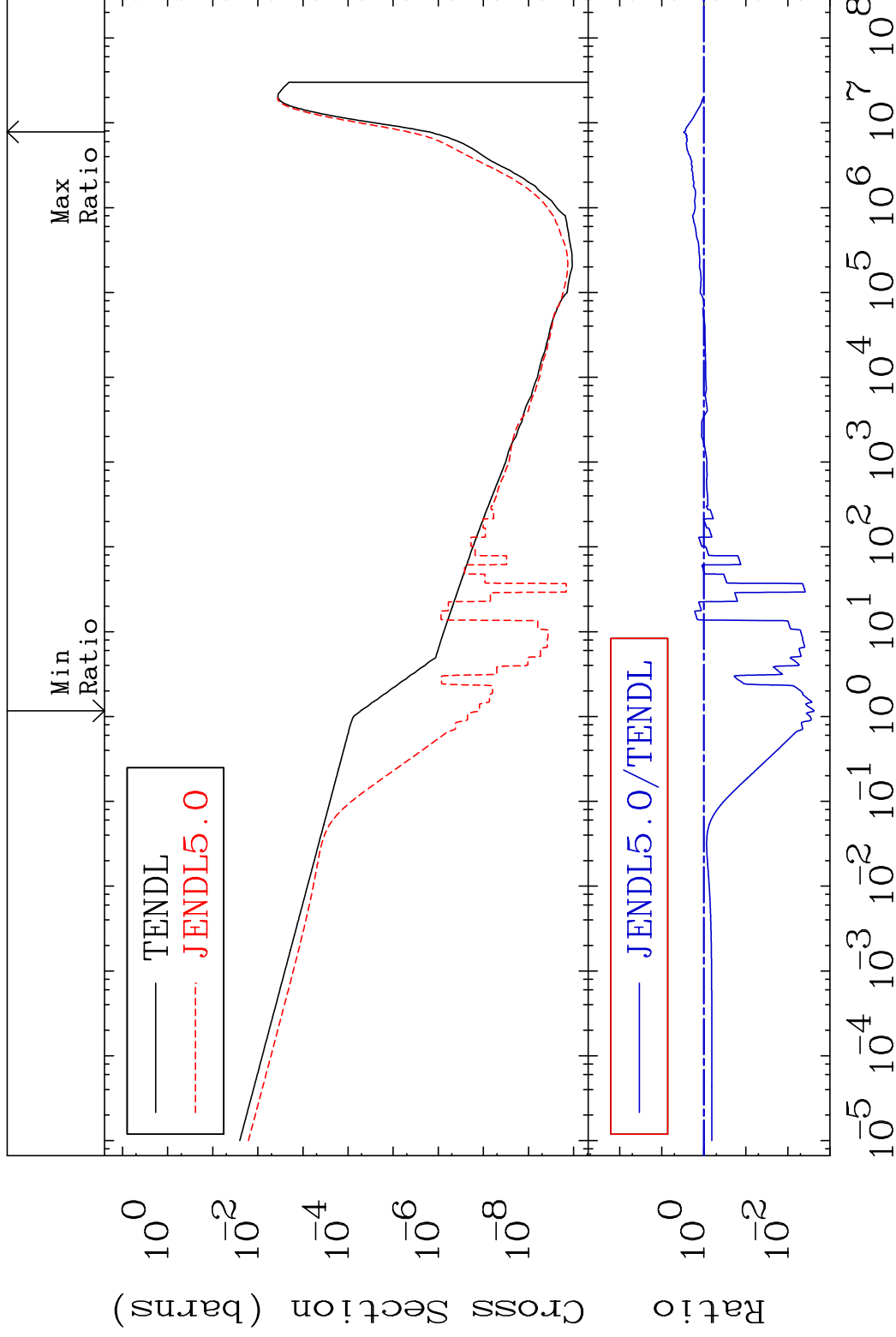
64-Gd-157

MAT 6440

(n, α)

64-Gd-157

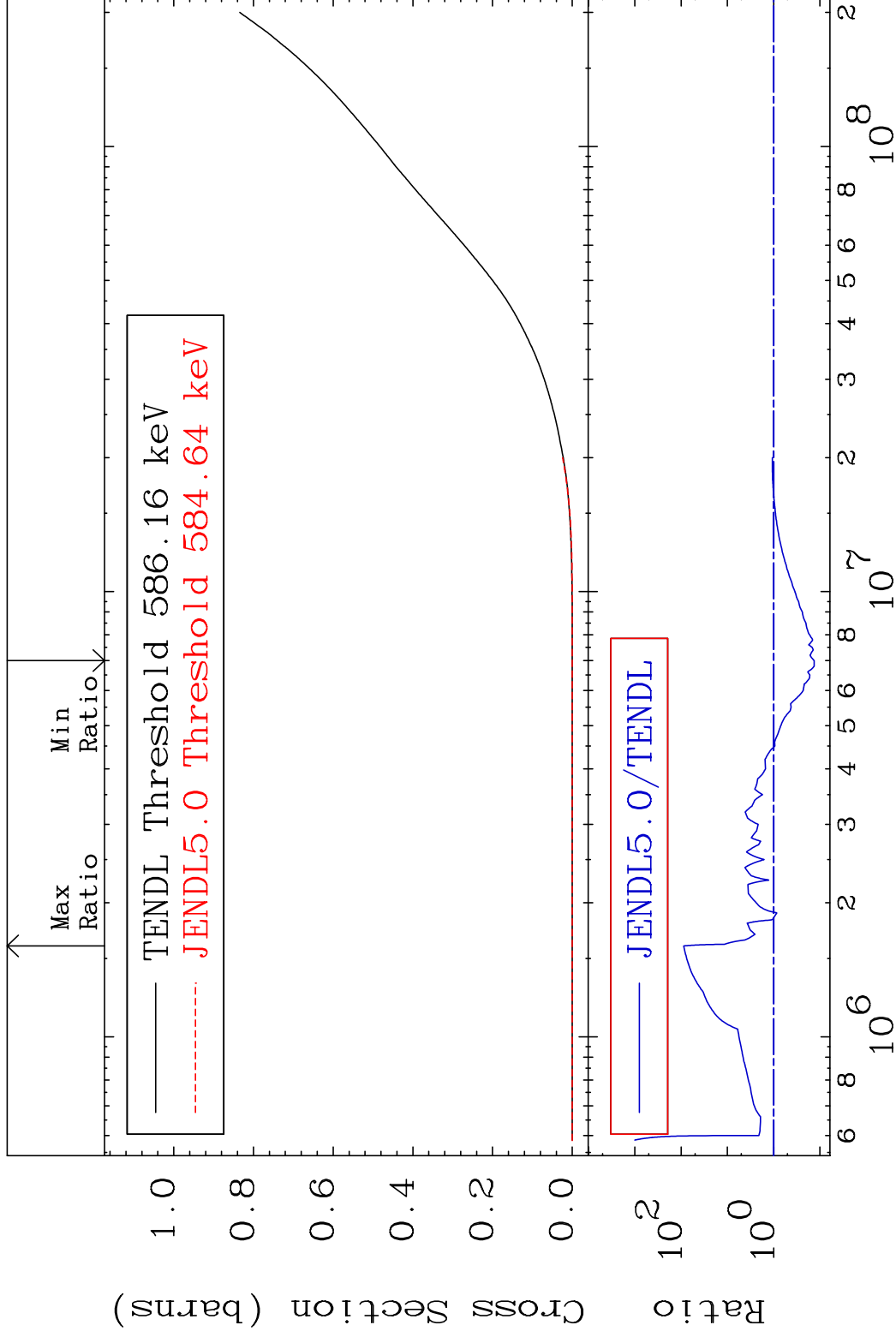
Cross Section -99.76 To 200.9 %



47

Incident Energy (eV)

64-Gd-157

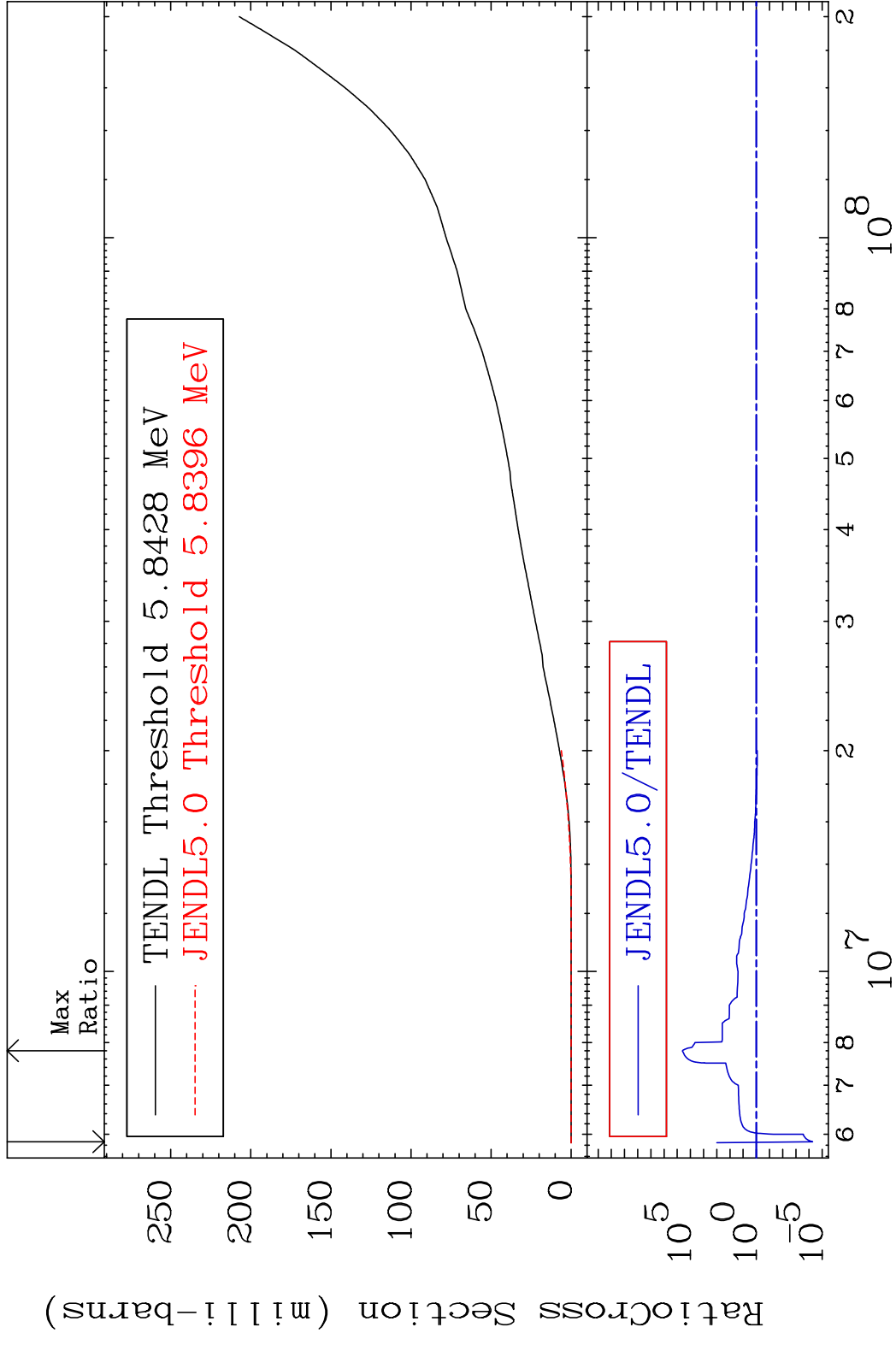


MAT 6440

Deuterium Production

64-Gd-157

Cross Section -99.99 To 9999. %



49

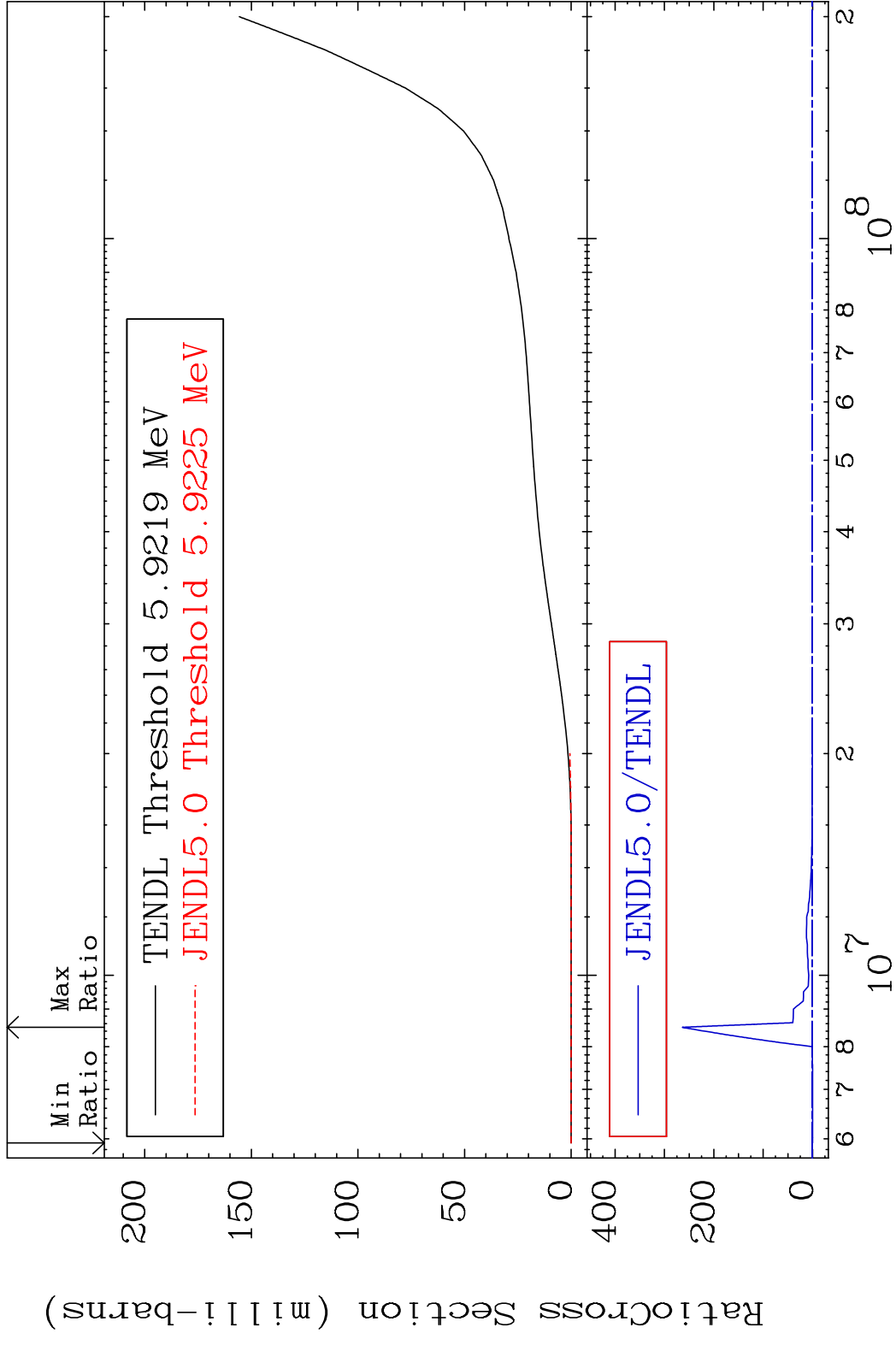
Incident Energy (eV)

64-Gd-157

MAT 6440

Tritium Production 64-Gd-157

Cross Section -100.0 To 9999. %

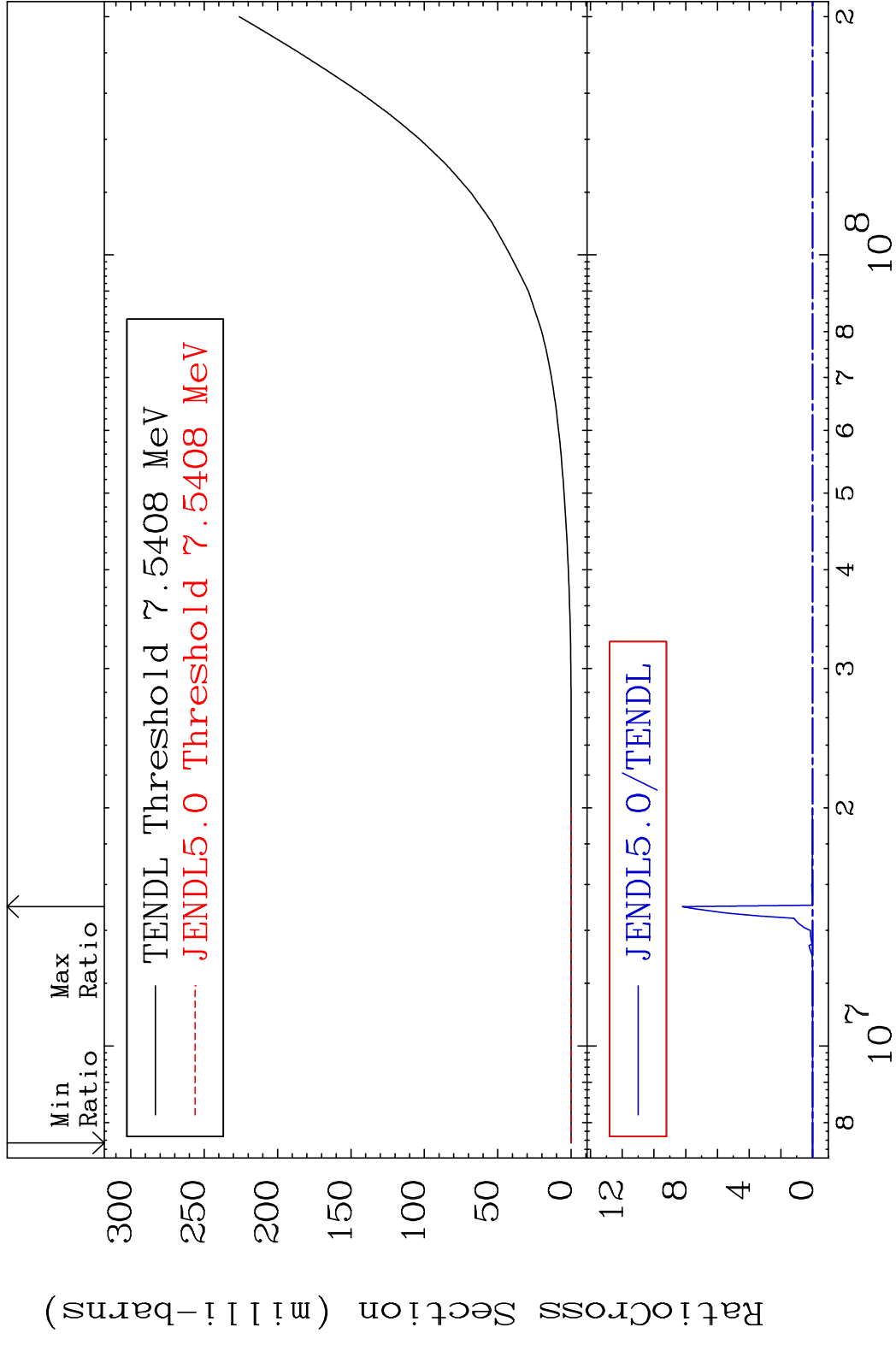


50

Incident Energy (eV)

64-Gd-157

Cross Section -100.0 To 9999. %

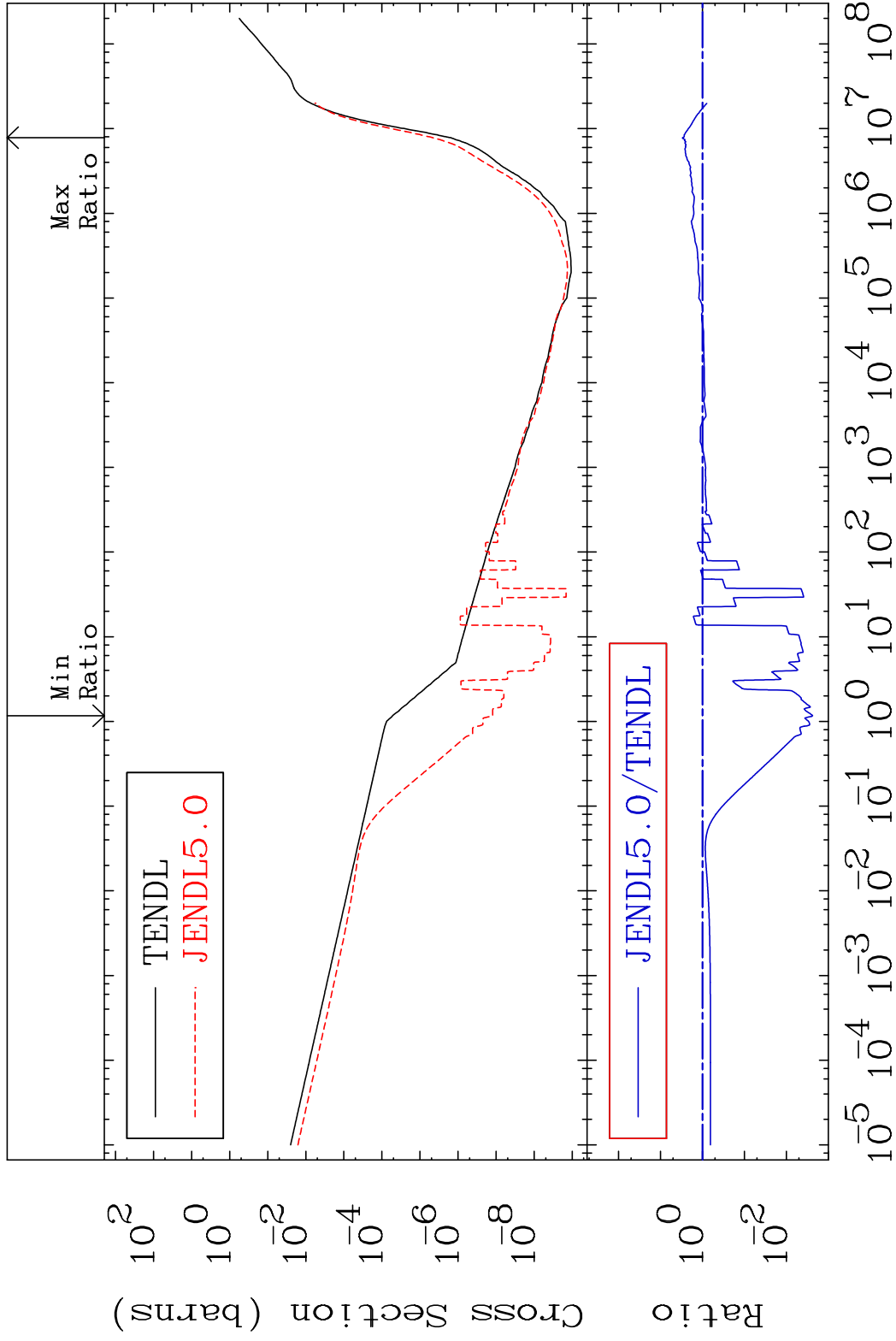


MAT 6440

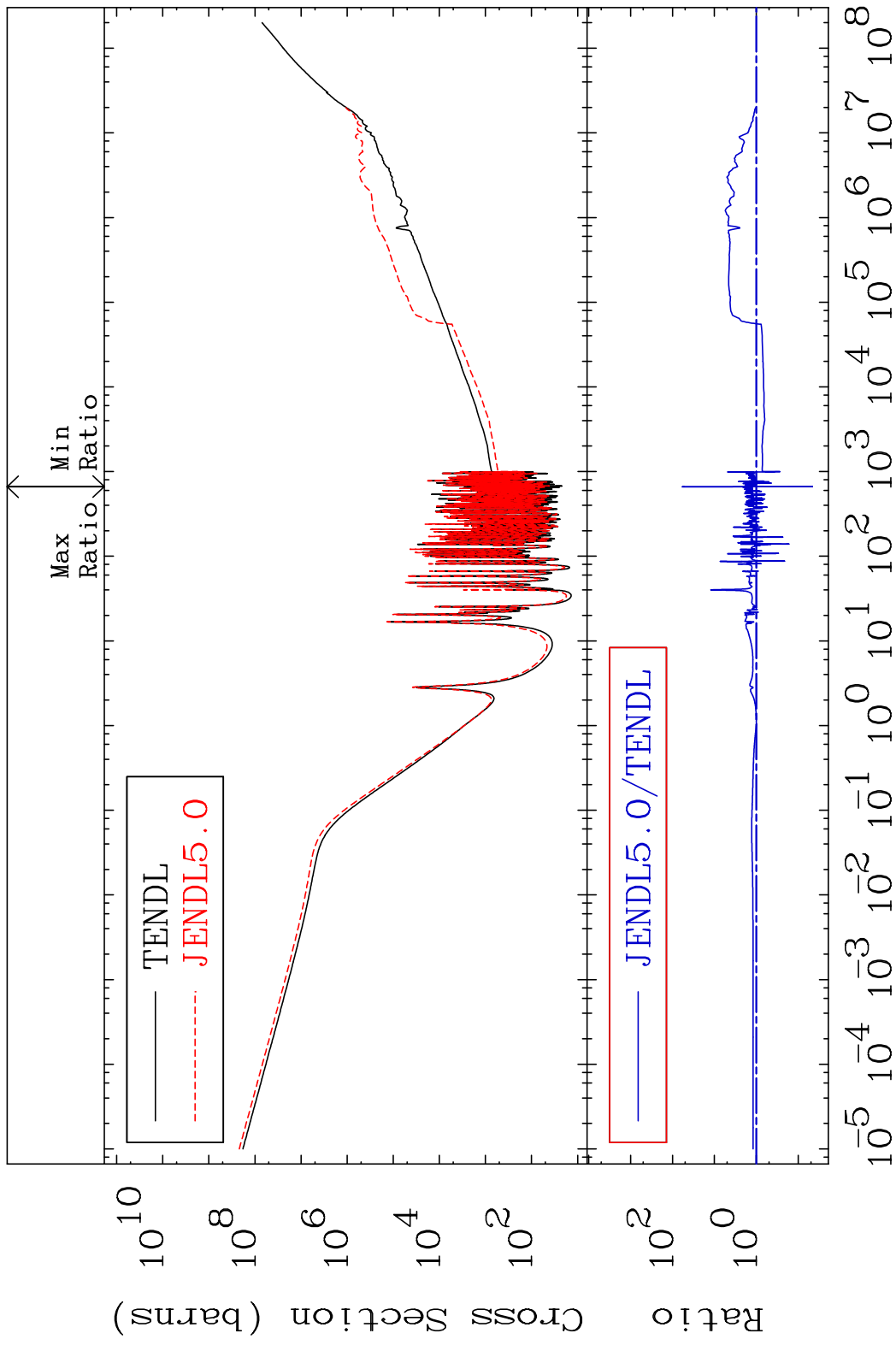
He-4 Production

64-Gd-157

Cross Section -99.76 To 201.0 %



MAT 6440 Kerma total (eV-barns) 64-Gd-157
 Cross Section -95.43 To 5713. %

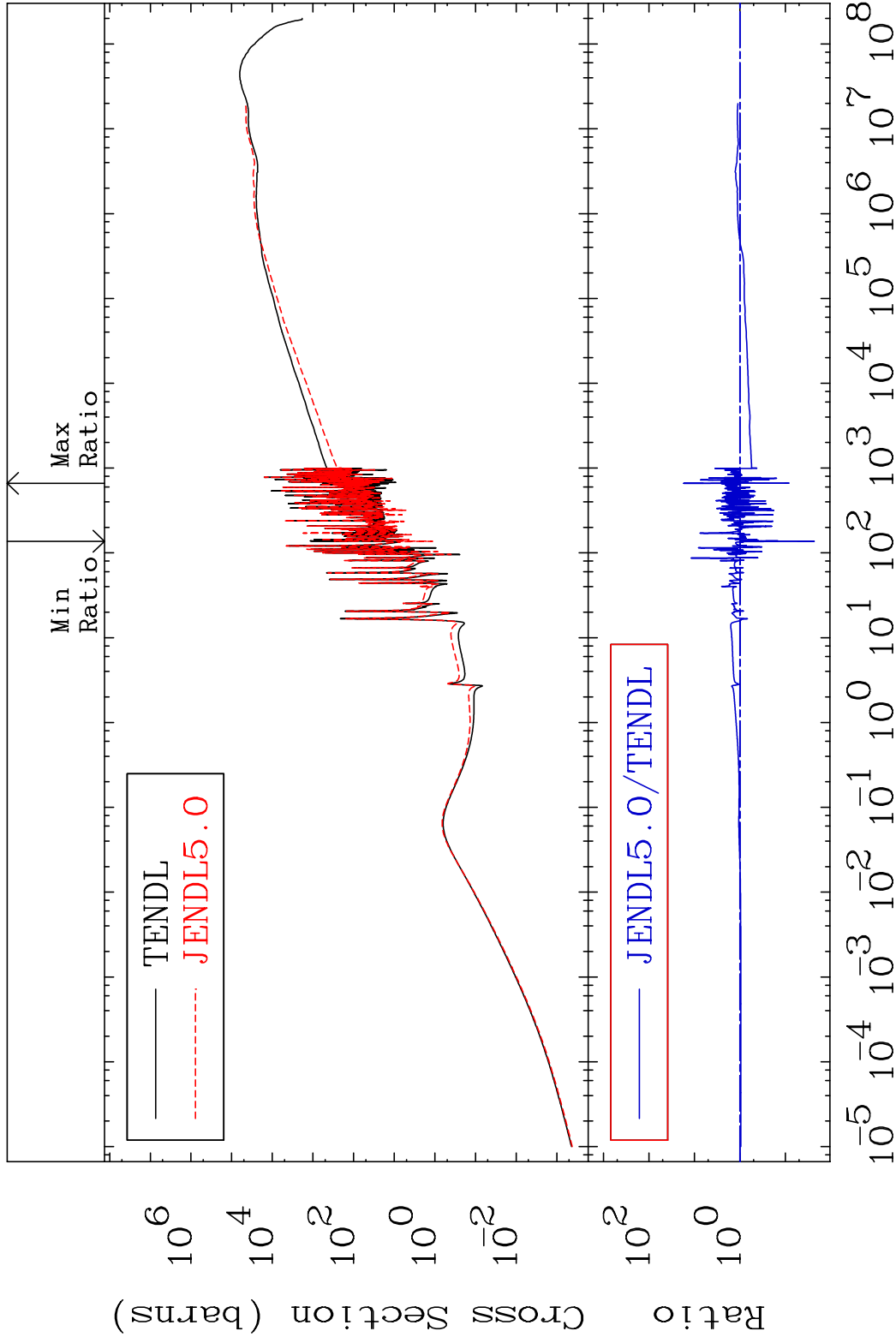


MAT 6440

Kerma elastic

64-Gd-157

Cross Section -97.65 To 1626. %

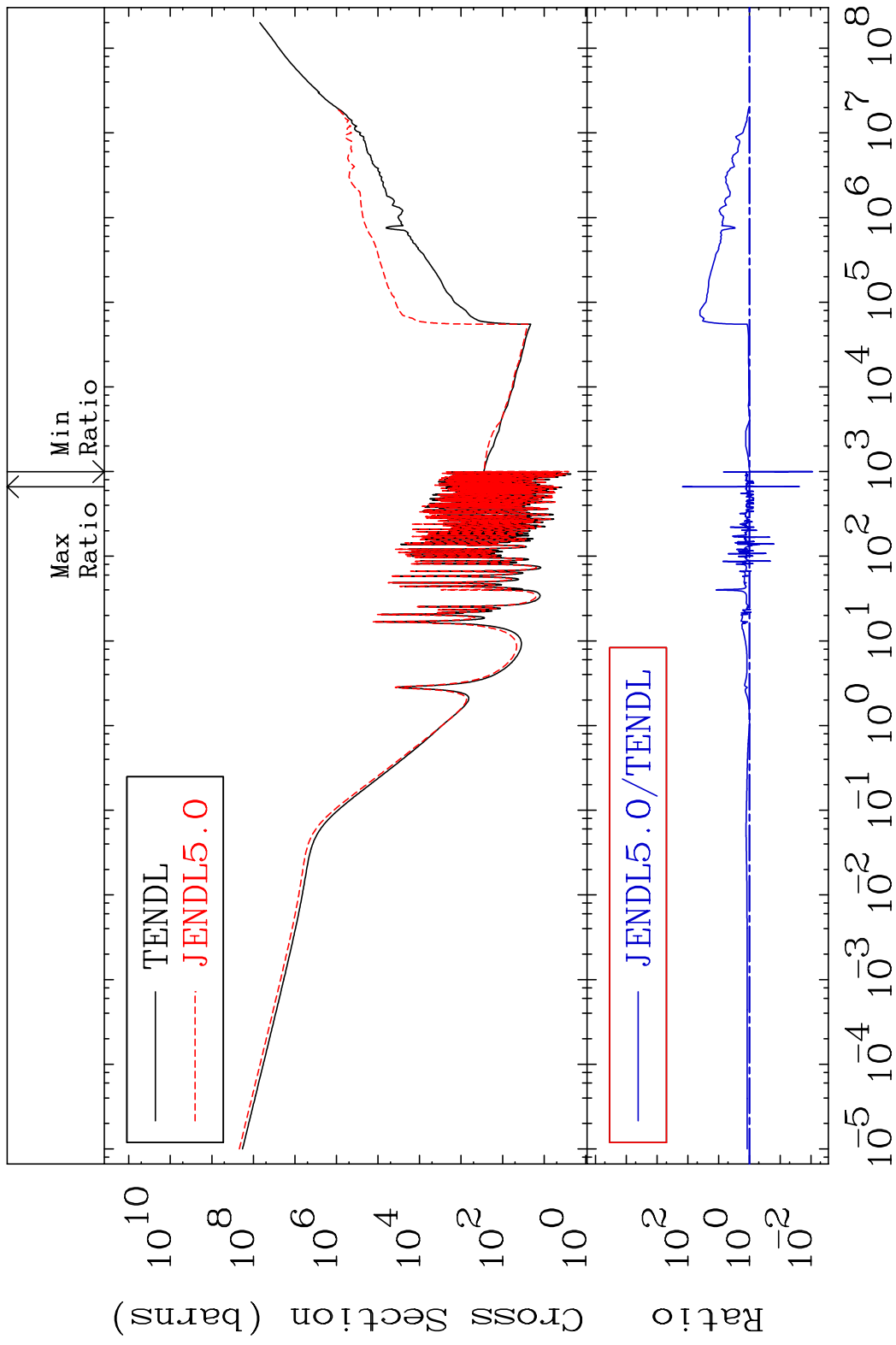


54

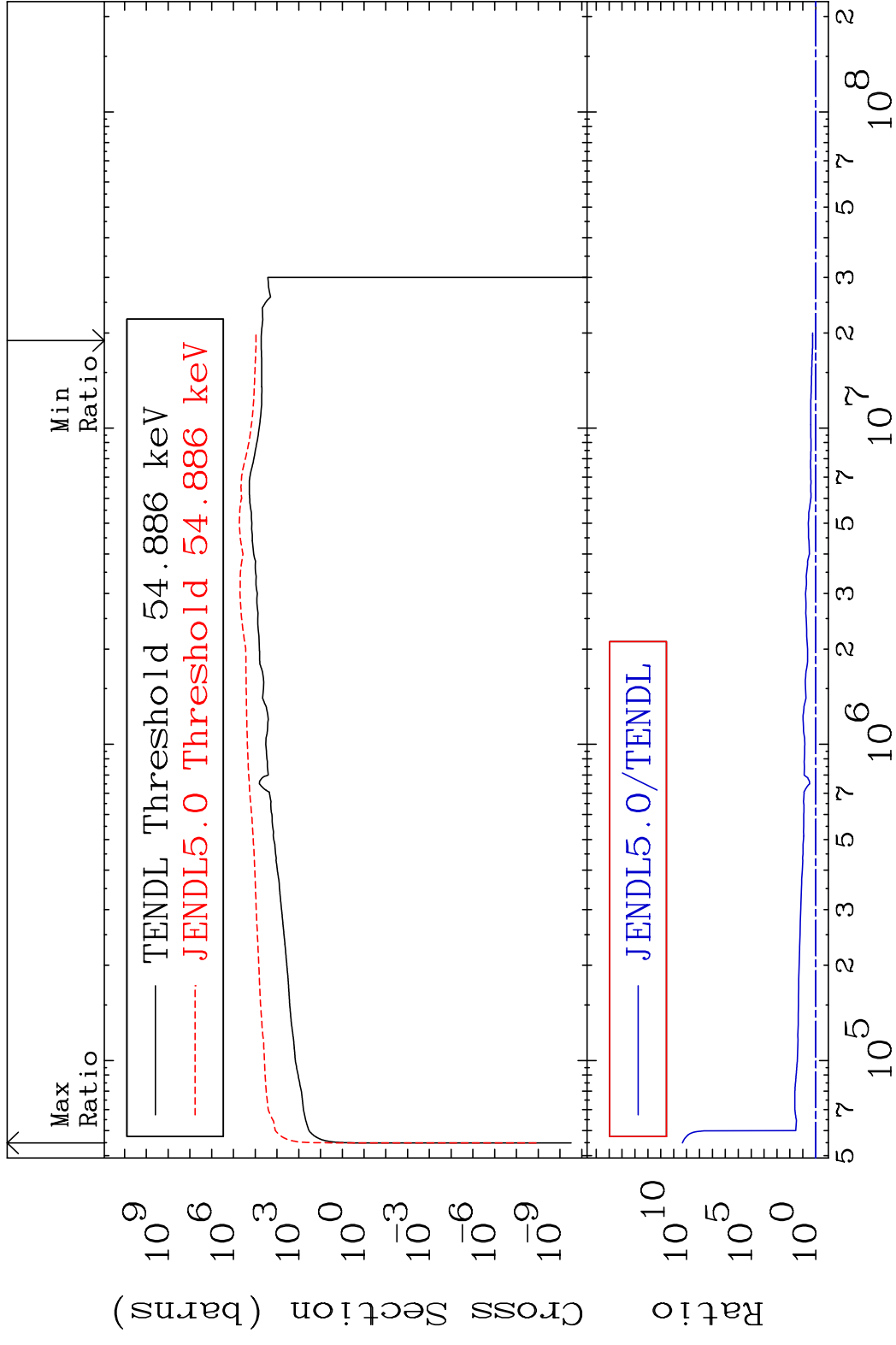
Incident Energy (eV)

64-Gd-157

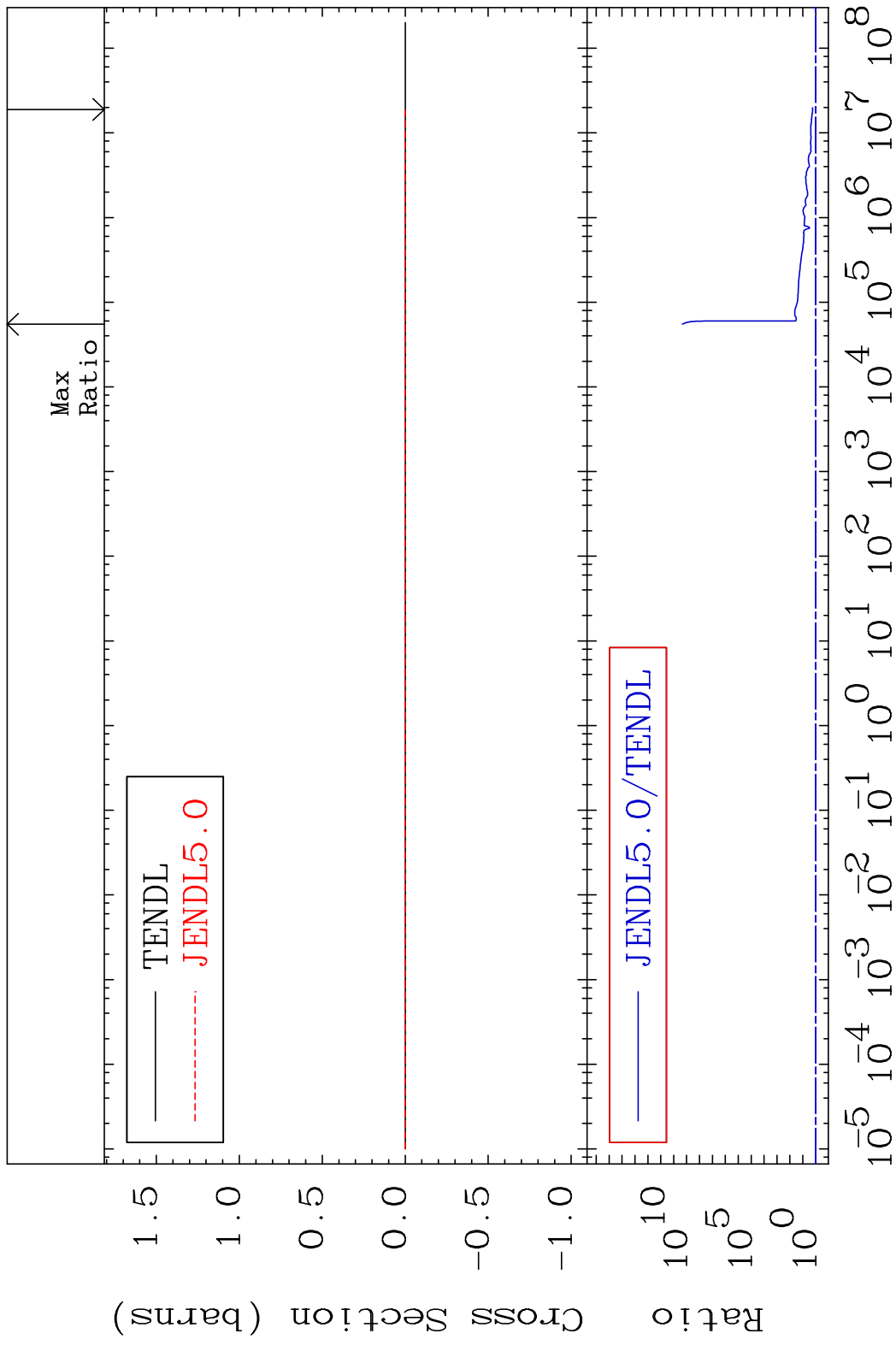
MAT 6440 Kerma non-elastic (all but mt2) 64-Gd-157
 Cross Section -99.10 To 9999. %



MAT 6440 Kerma inelastic (mt51-91) 64-Gd-157
 Cross Section 76.05 To 9999. %

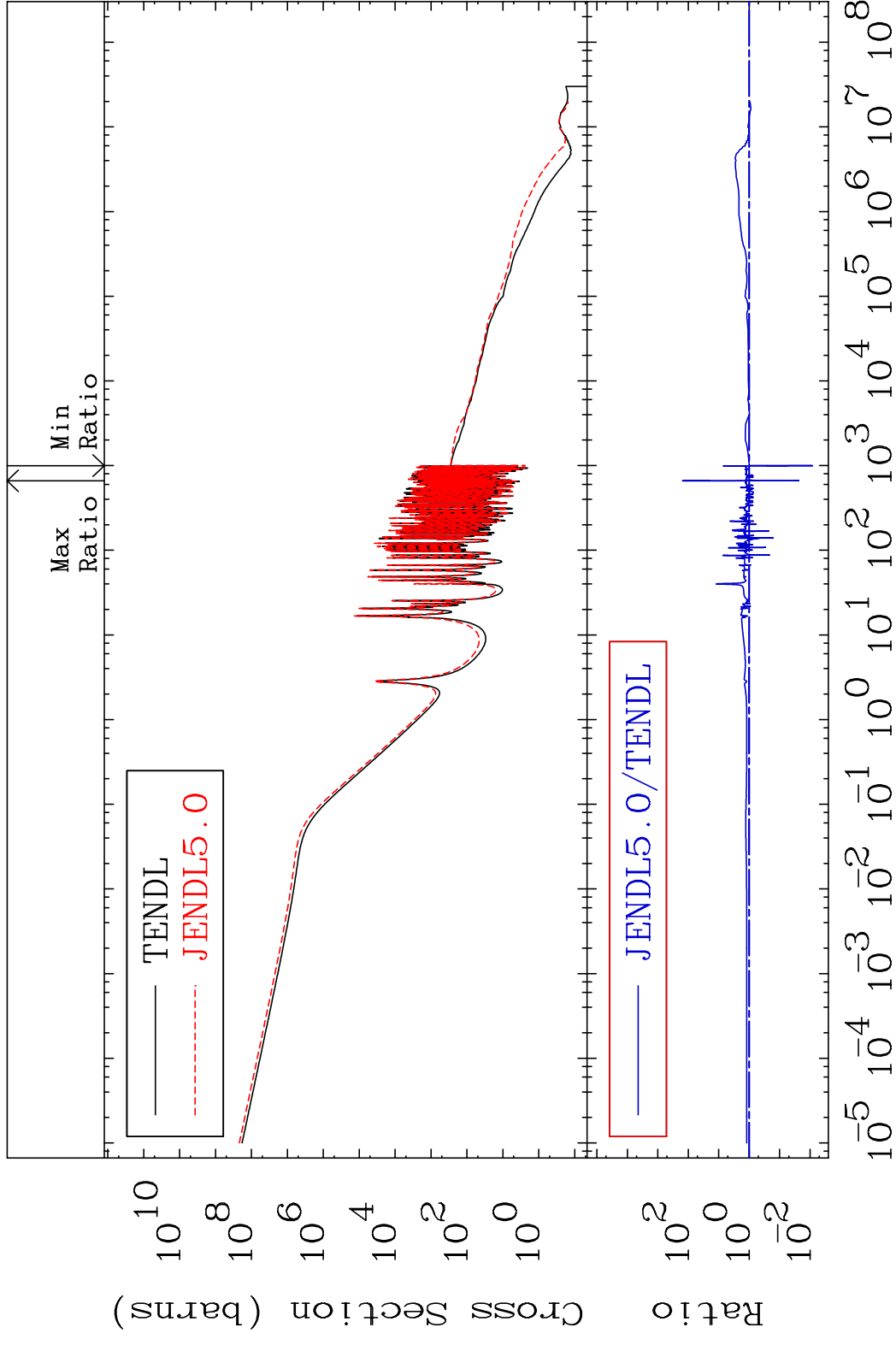


MAT 6440 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-157
 Cross Section 76.05 To 9999. %



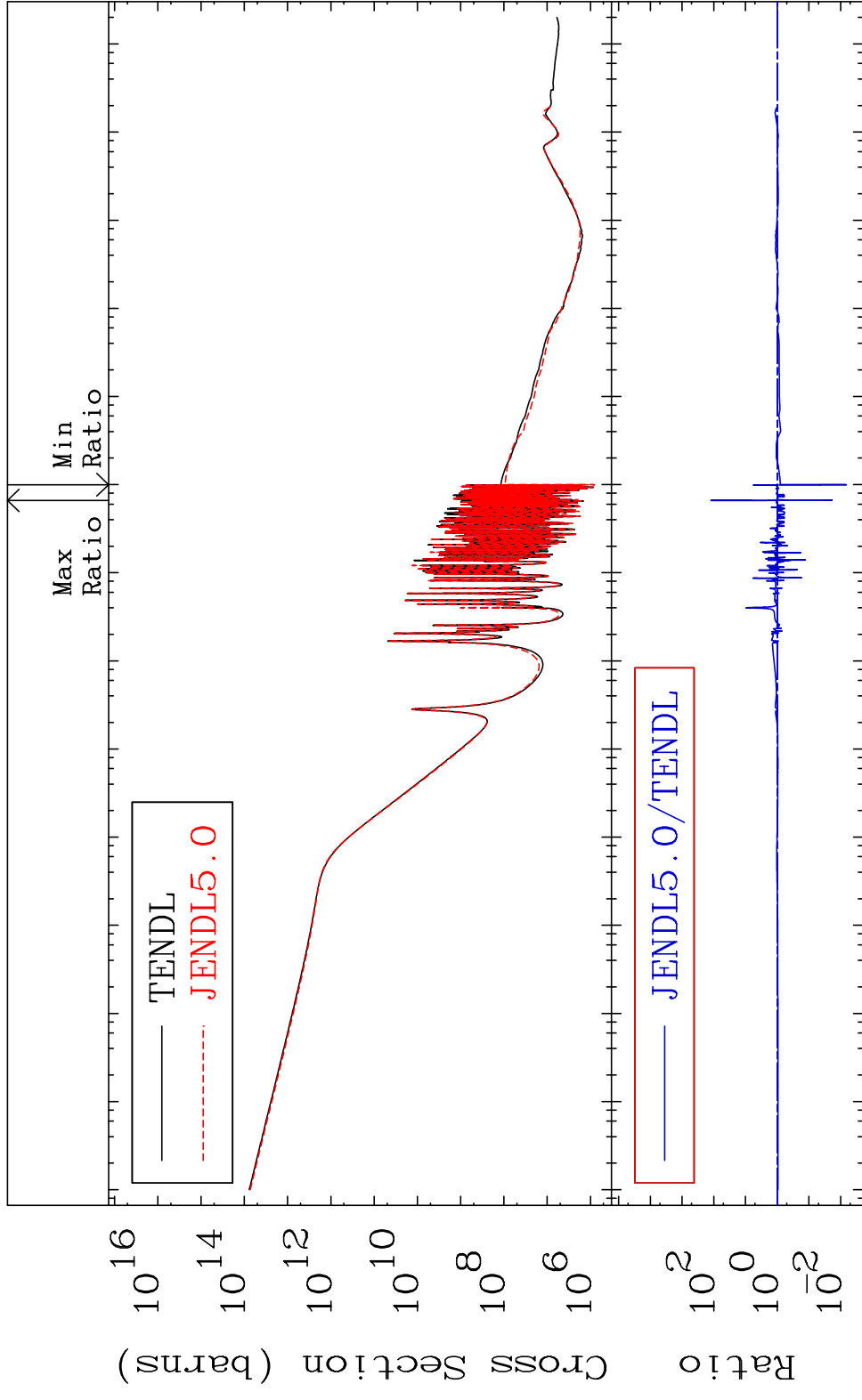
MAT 6440

Kerma capture (mt102) 64-Gd-157
Cross Section -99.17 To 9999. %



MAT 6440

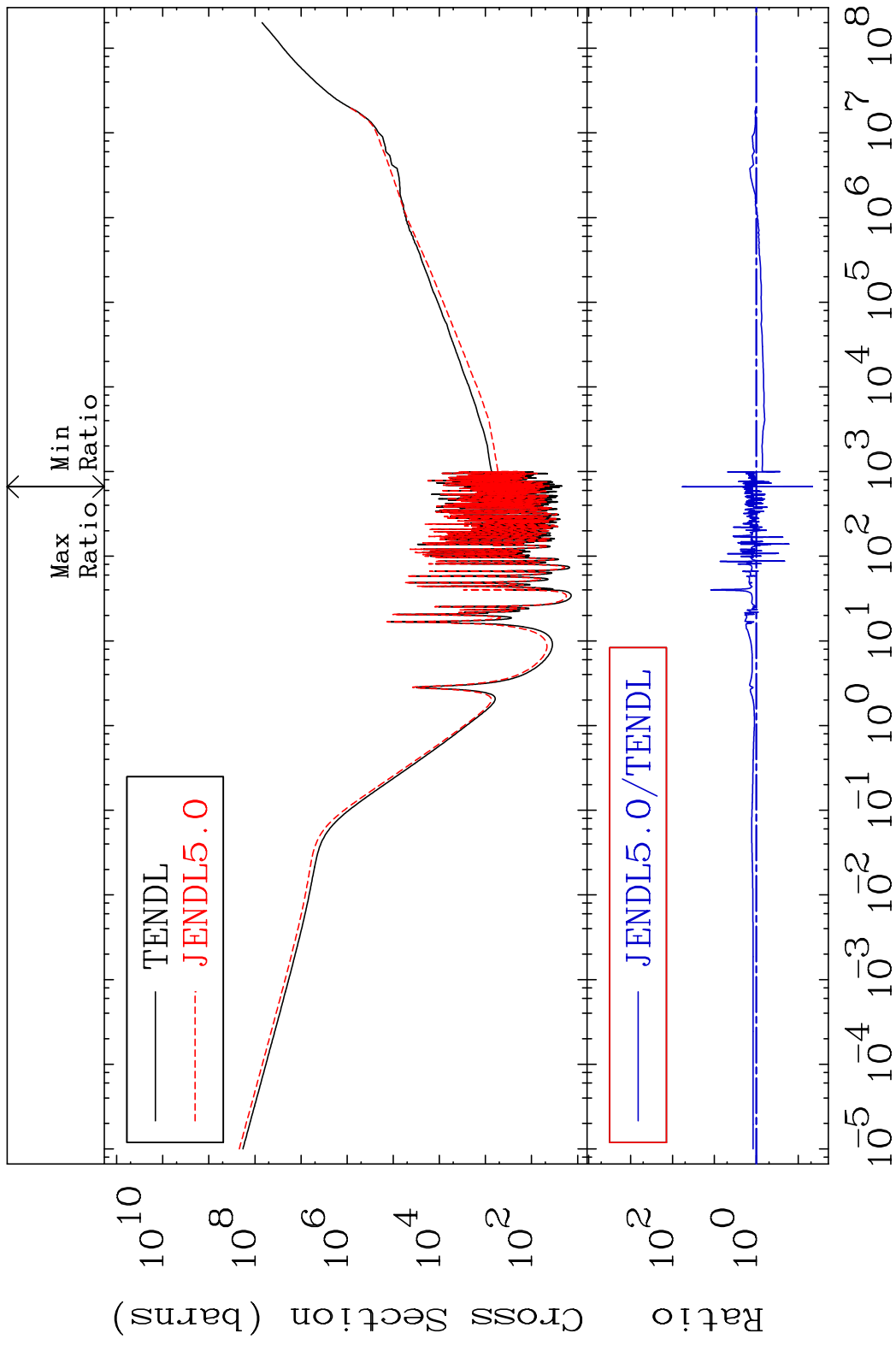
Total photon (eV-barns) 64-Gd-157
Cross Section -99.34 To 9999. %



59

Incident Energy (eV) 64-Gd-157

MAT 6440 Total kinematic kerma (high limit) 64-Gd-157
Cross Section -95.43 To 5713. %

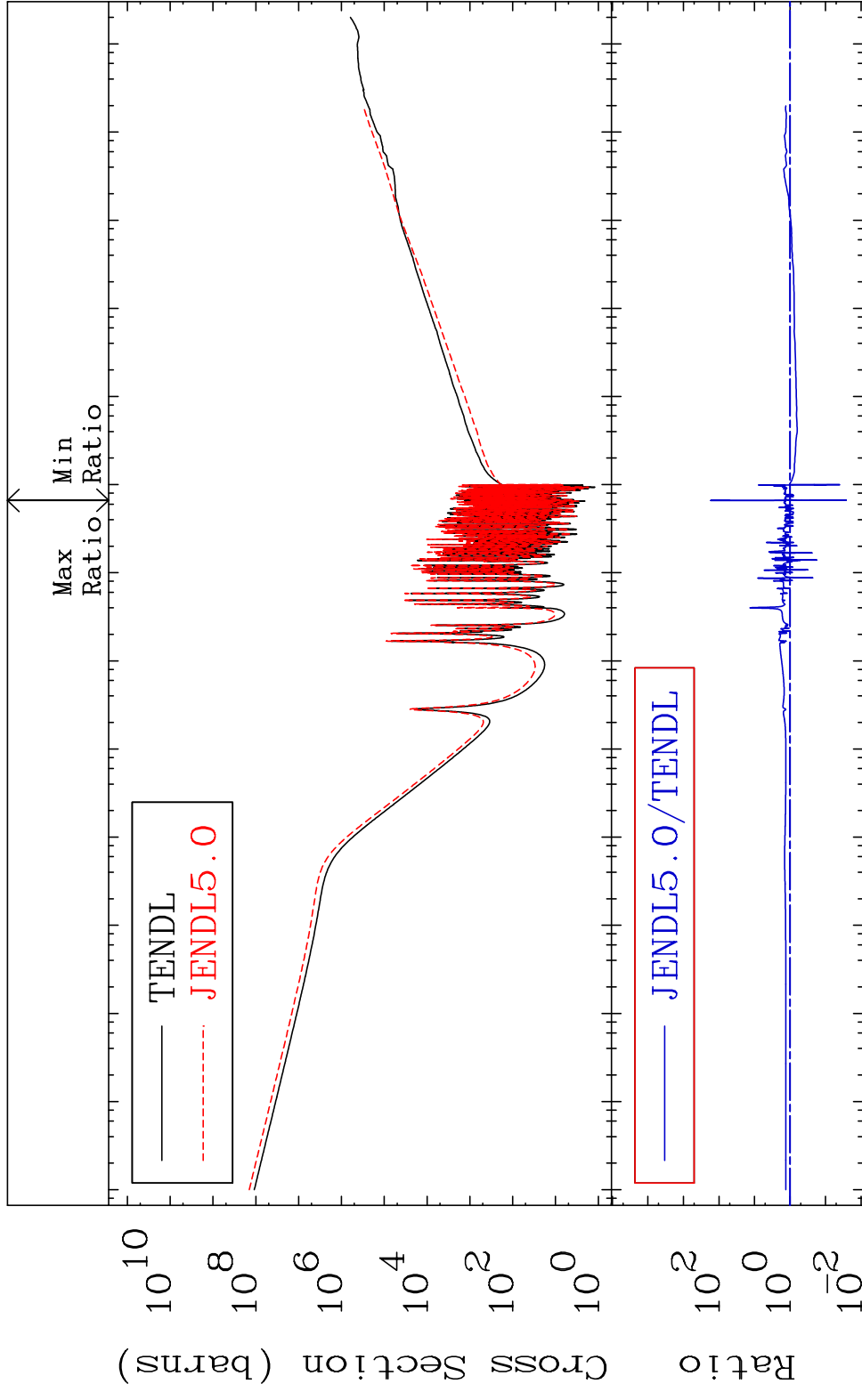


MAT 6440

Dpa total (eV-barns)

64-Gd-157

Cross Section -97.40 To 9999. %



61

Incident Energy (eV)

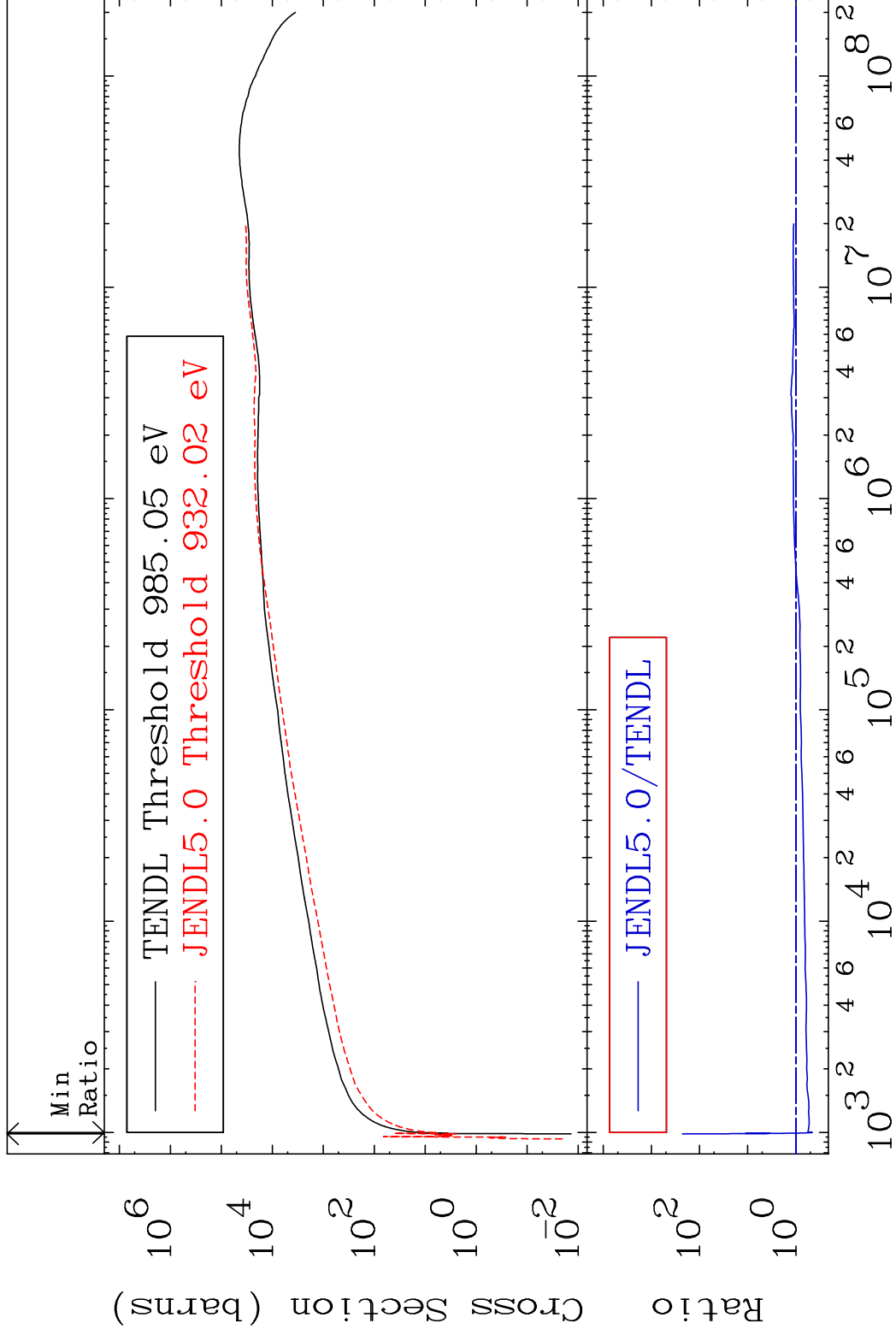
64-Gd-157

MAT 6440

Dpa elastic (mt2)

64-Gd-157

Cross Section -54.96 To 9999. %

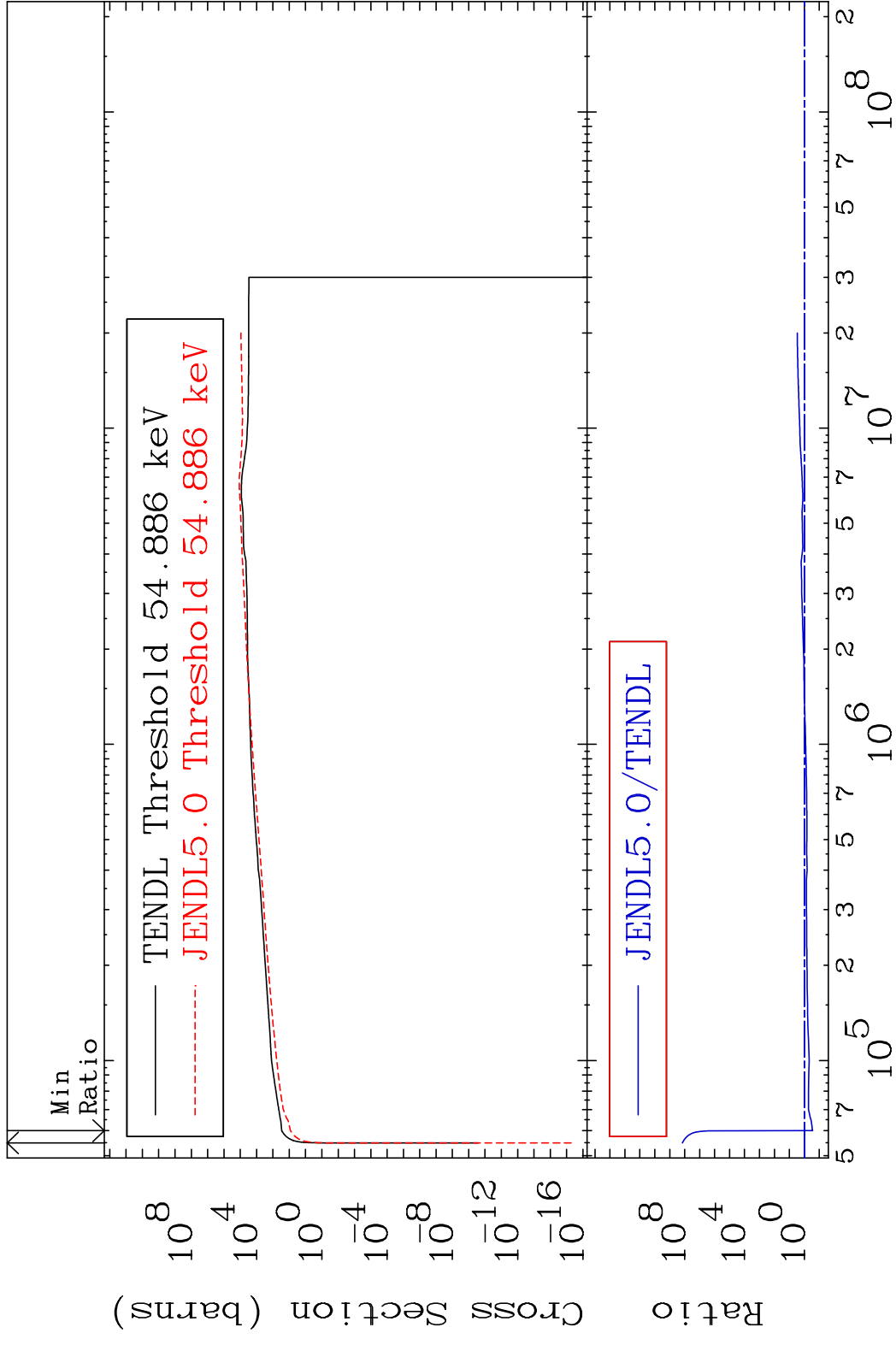


62

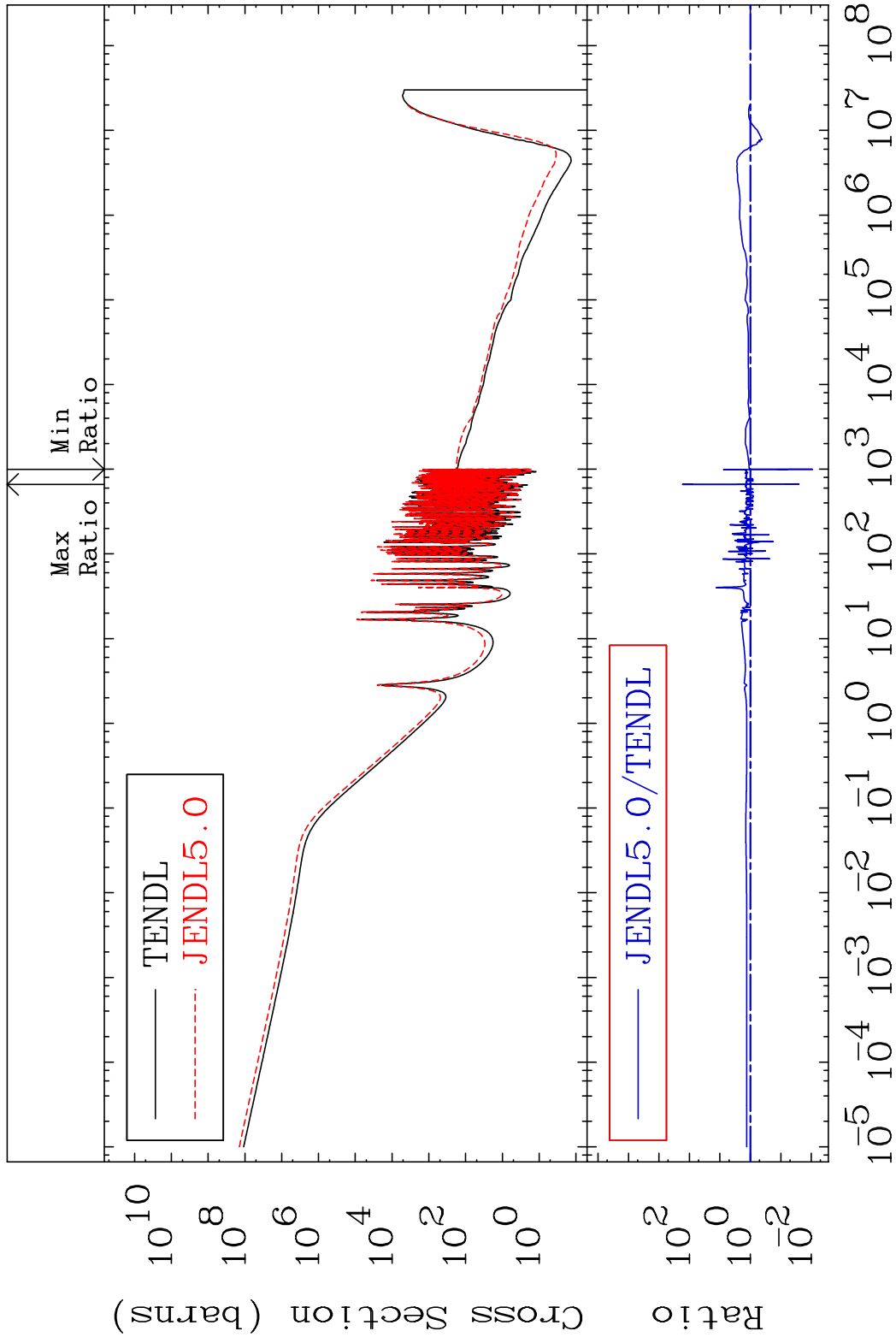
Incident Energy (eV)

64-Gd-157

MAT 6440 Dpa inelastic (mt51-91) 64-Gd-157
 Cross Section -71.72 To 9999. %



MAT 6440 Dpa disappearance (mt102 -120) 64-Gd-157
 Cross Section -99.09 To 9999. %



64 Incident Energy (eV) 64-Gd-157