

Program Complot
(Version 2021-1)

by

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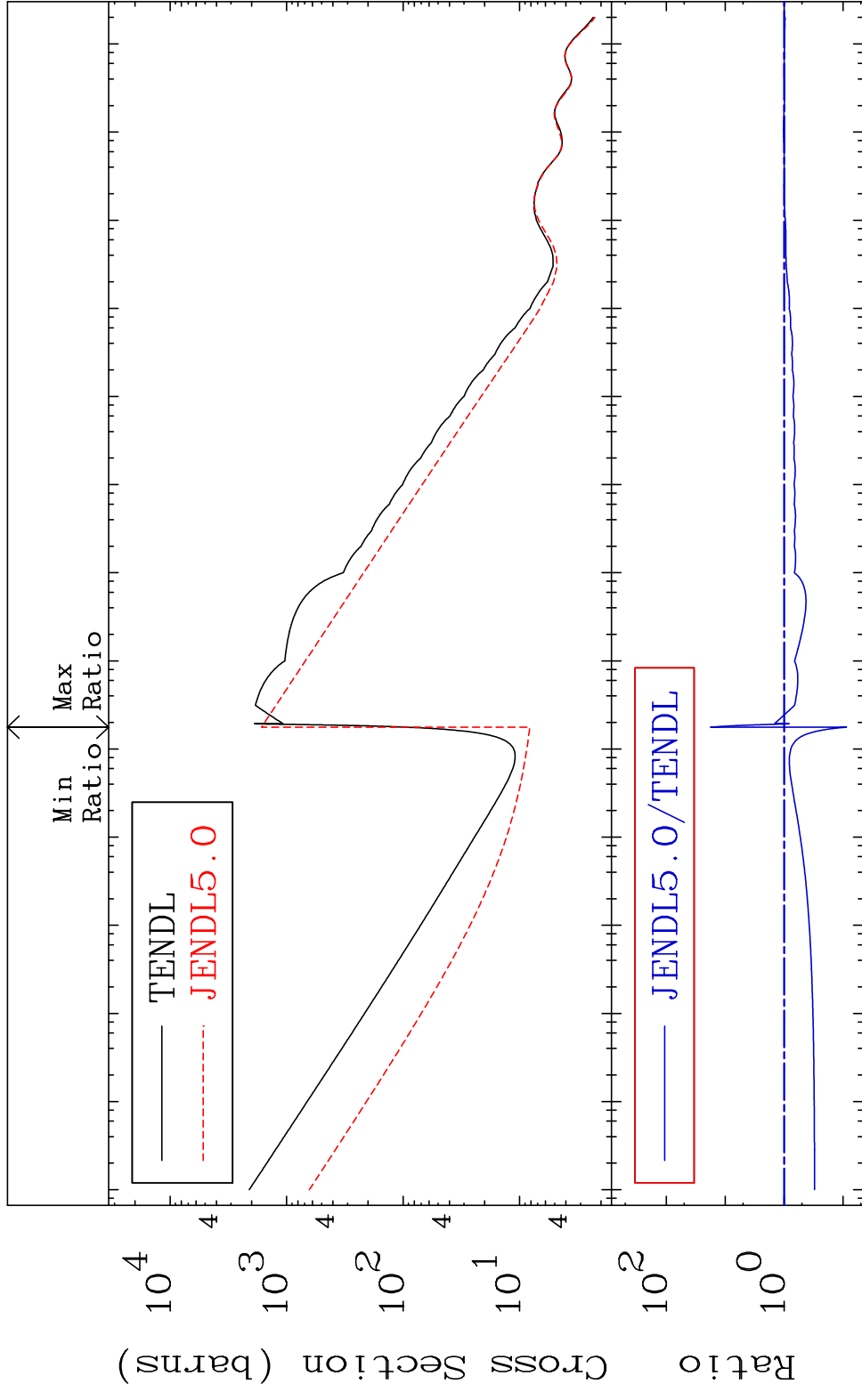
Press Mouse Button to Start

MAT 6410

64-Gd-147

Total

Cross Section -91.18 To 1668. %



1

Incident Energy (eV)

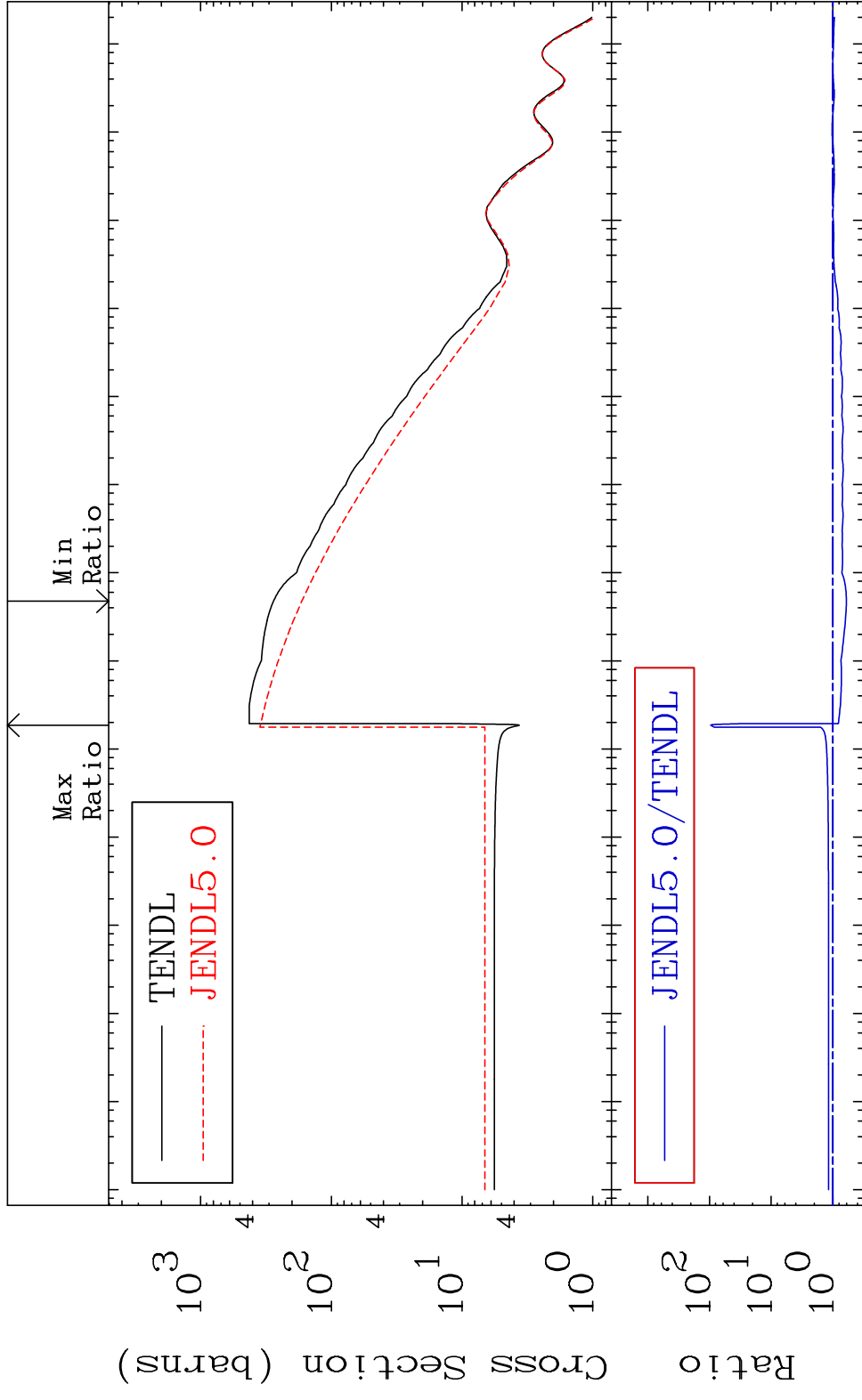
64-Gd-147

MAT 6410

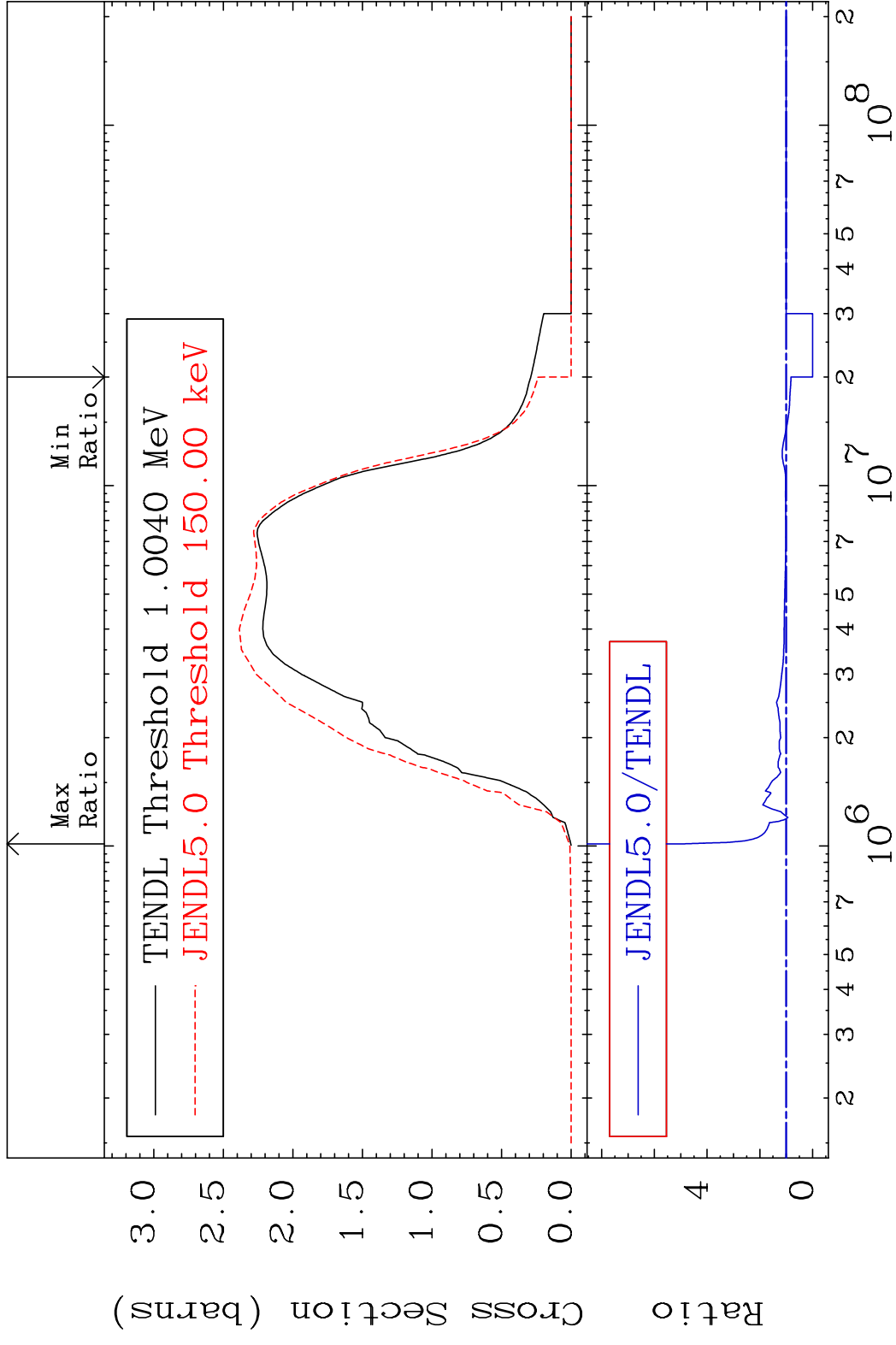
64-Gd-147

Elastic

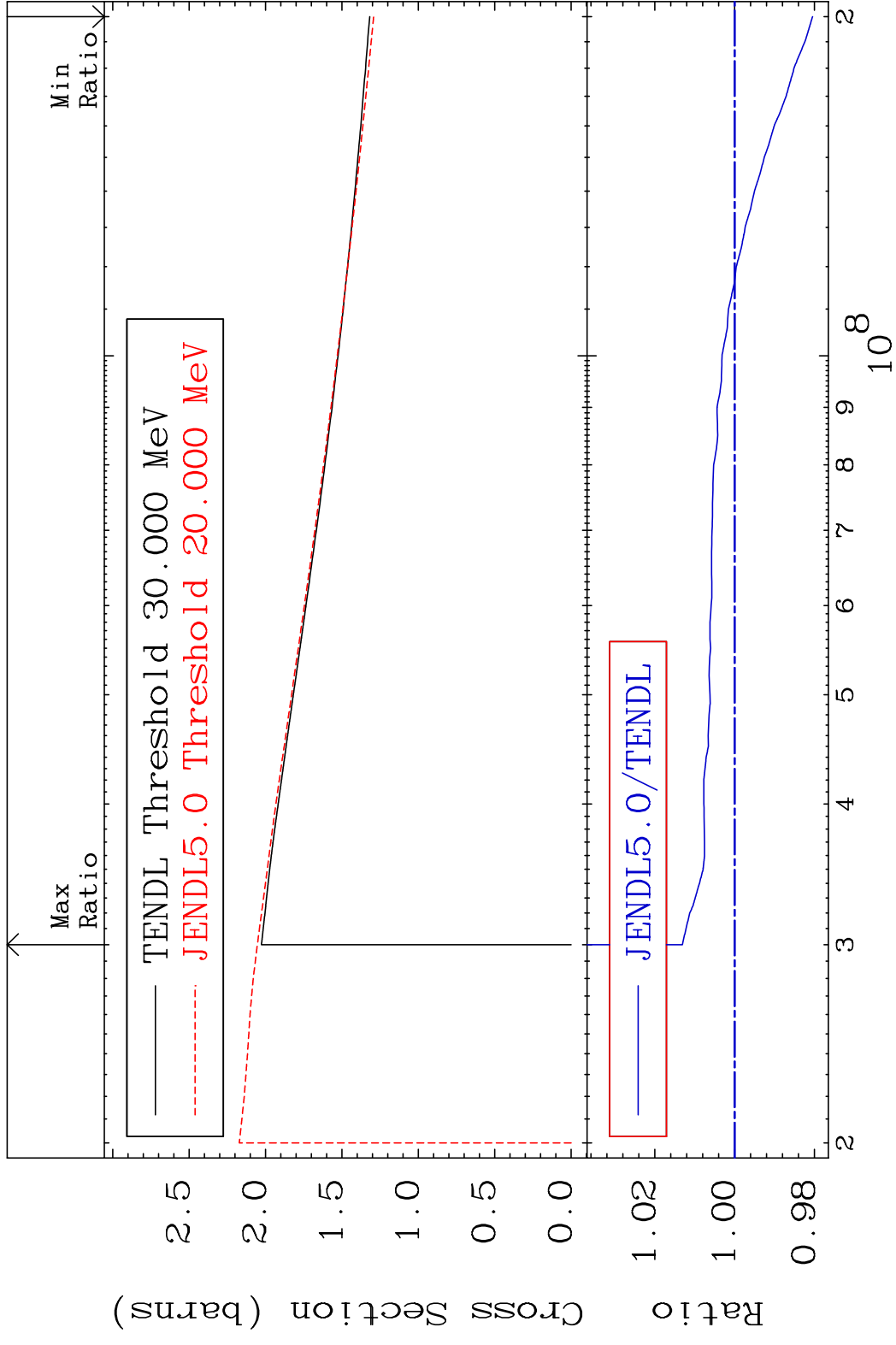
Cross Section -39.35 To 9450. %



MAT 6410 Inelastic Cross Section -100.0 To 393.9 % 64-Gd-147

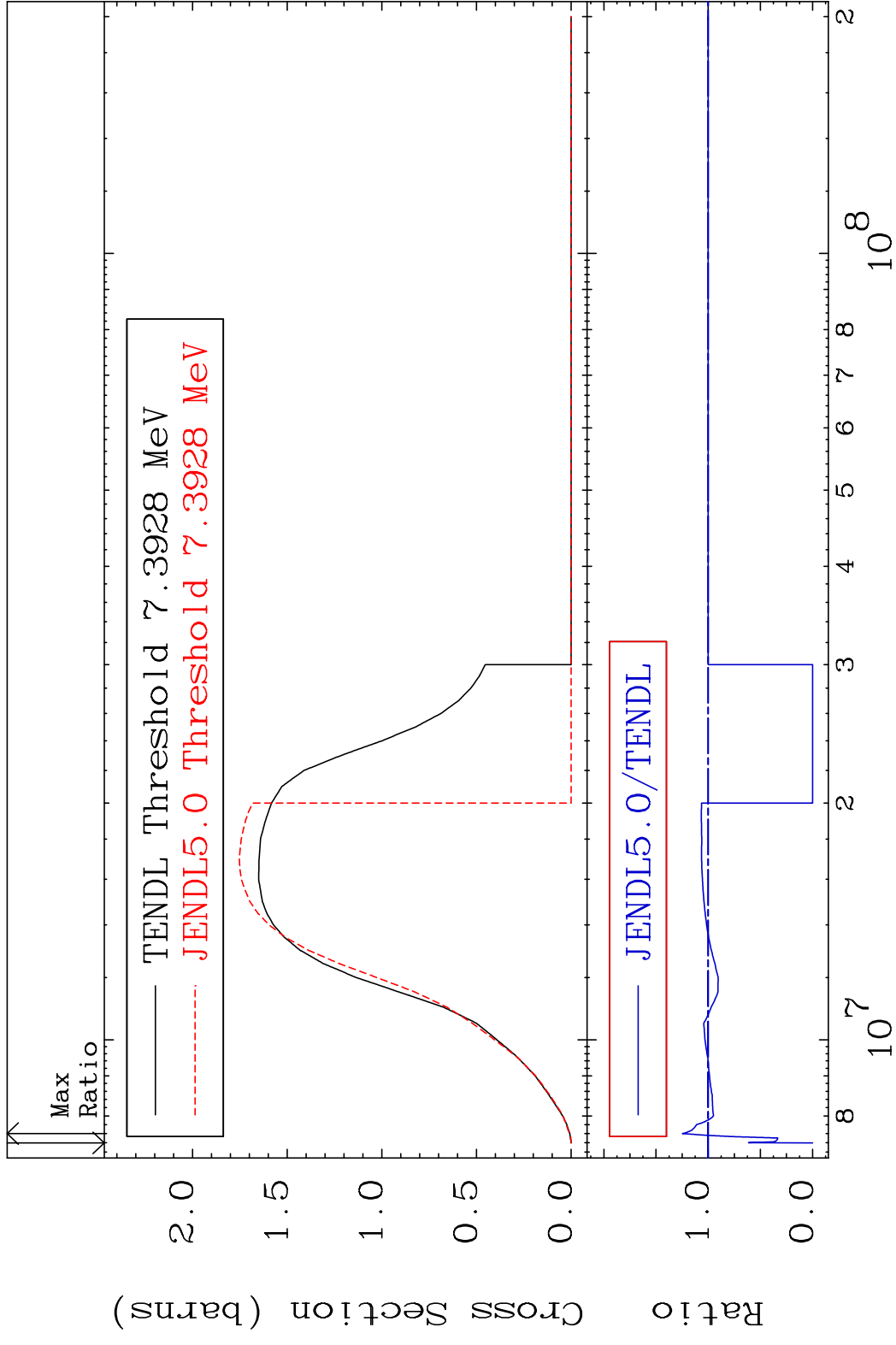


MAT 6410 (n, remainder) 64-Gd-147
 Cross Section -1.951 To 1.312 %



4 Incident Energy (eV) 64-Gd-147

MAT 6410 (n,2n) 64-Gd-147
 Cross Section -100.0 To 24.77 %

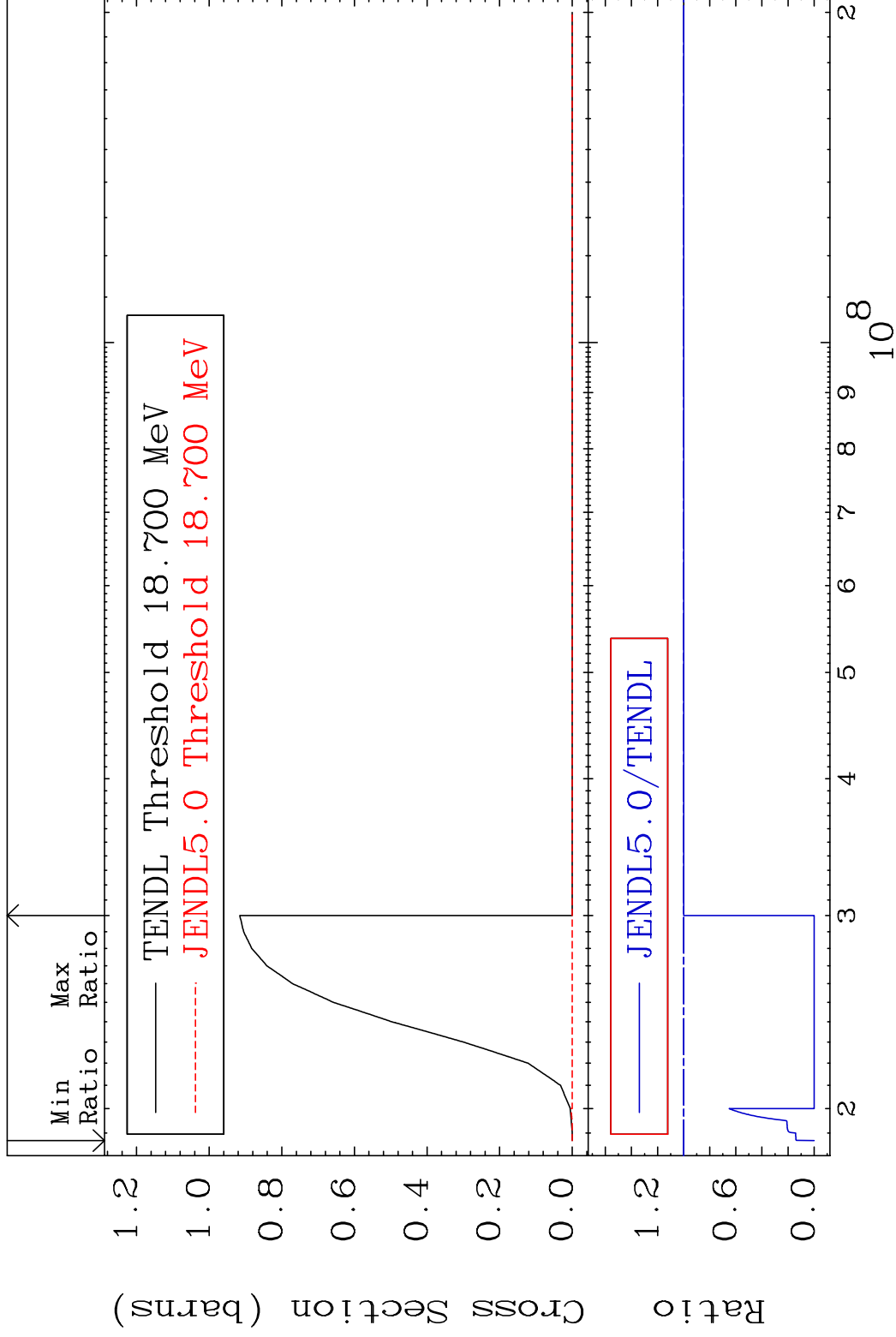


MAT 6410

(n,3n)

64-Gd-147

Cross Section -100.0 To 0.000 %



6

Incident Energy (eV)

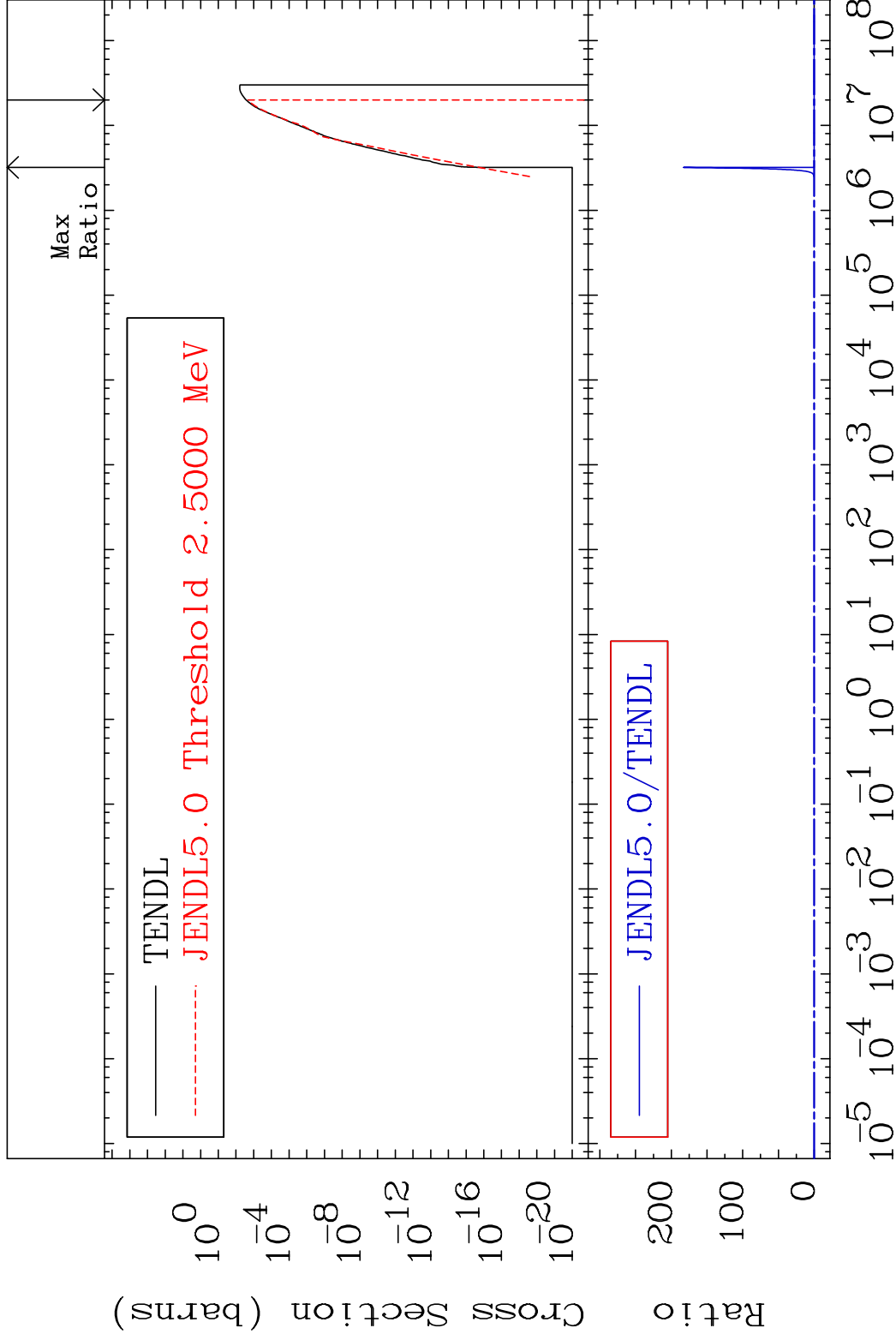
64-Gd-147

MAT 6410

(n, n') α

64-Gd-147

Cross Section -100.0 To 9999. %

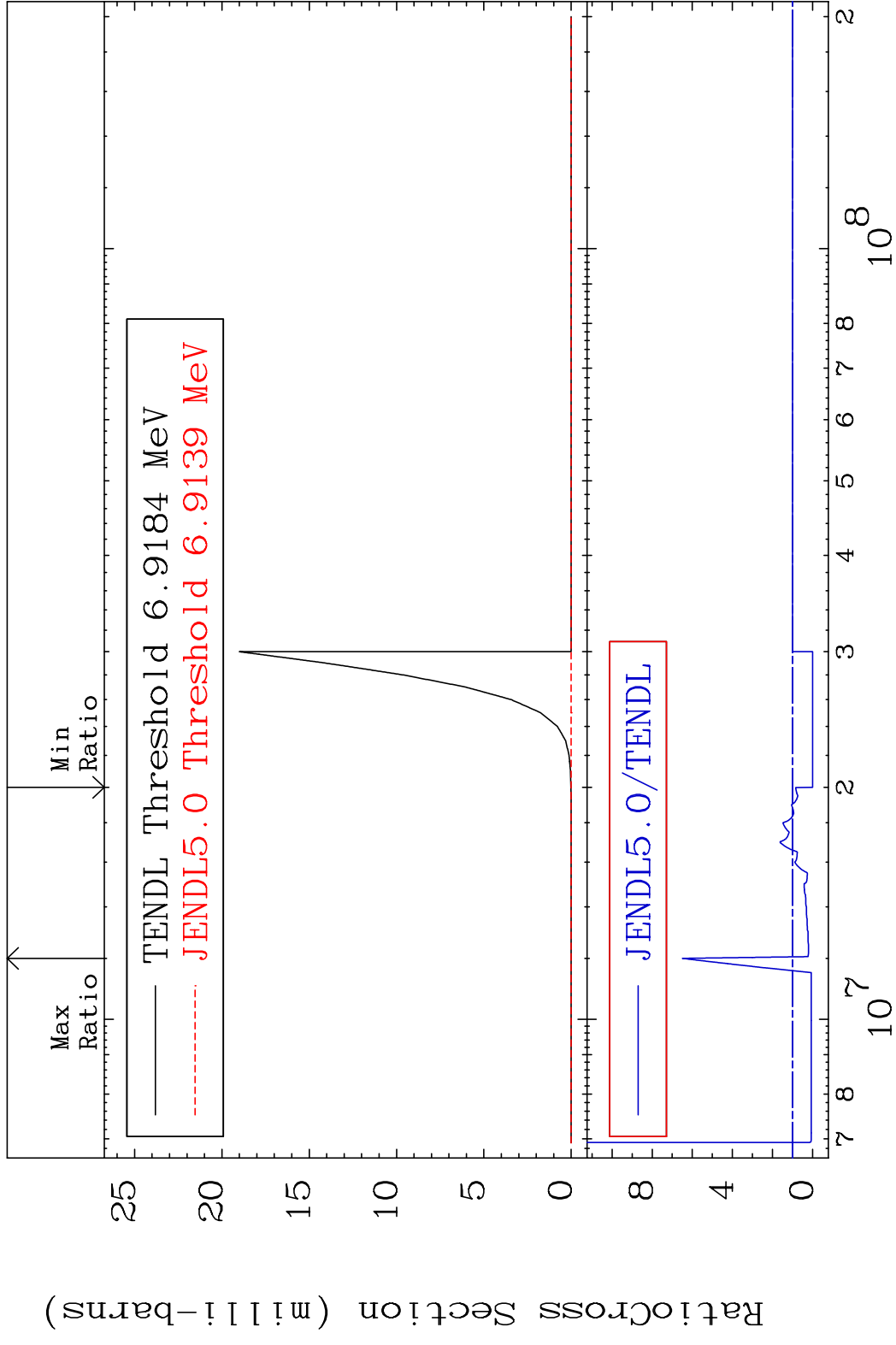


7

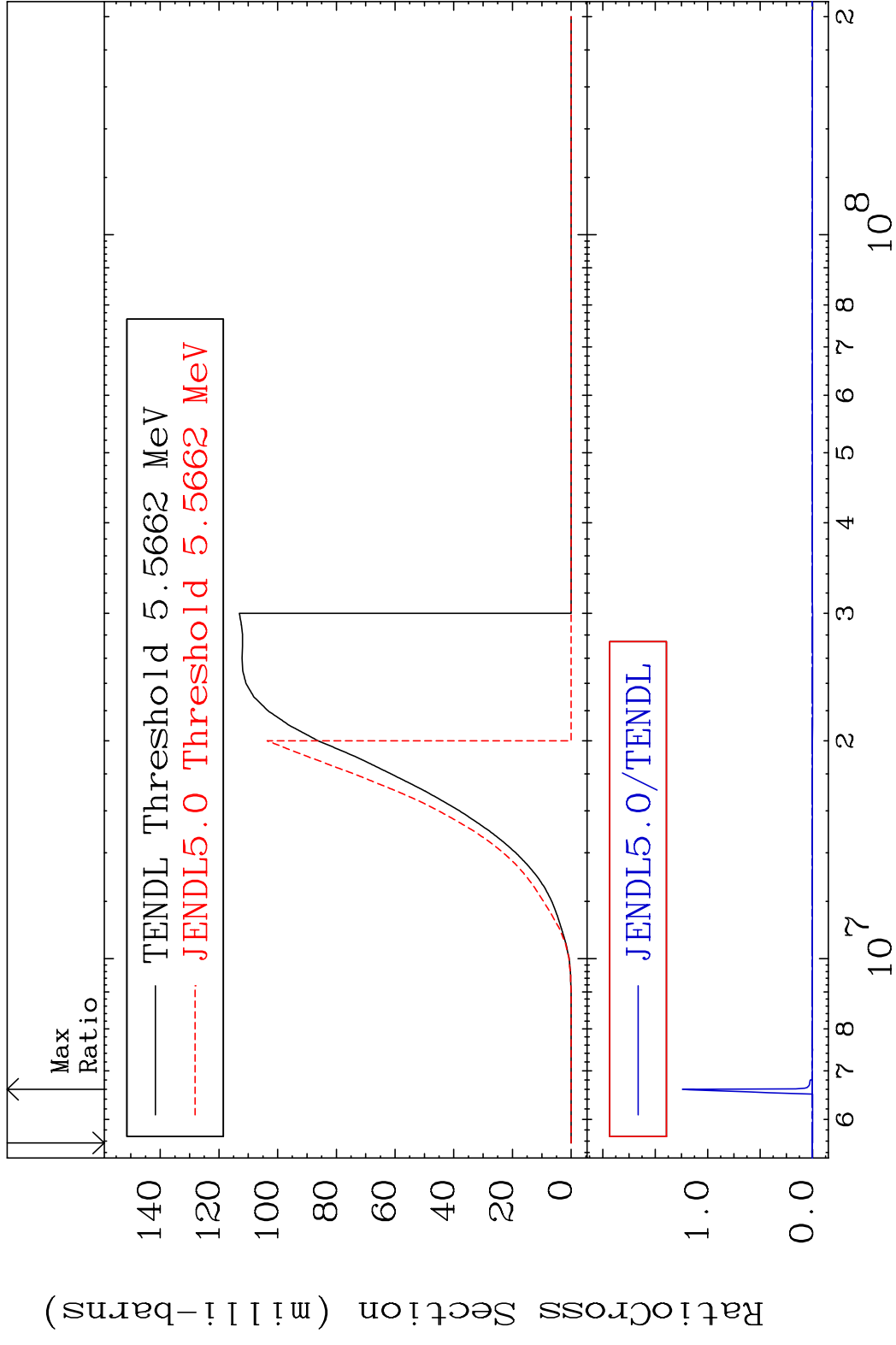
Incident Energy (eV)

64-Gd-147

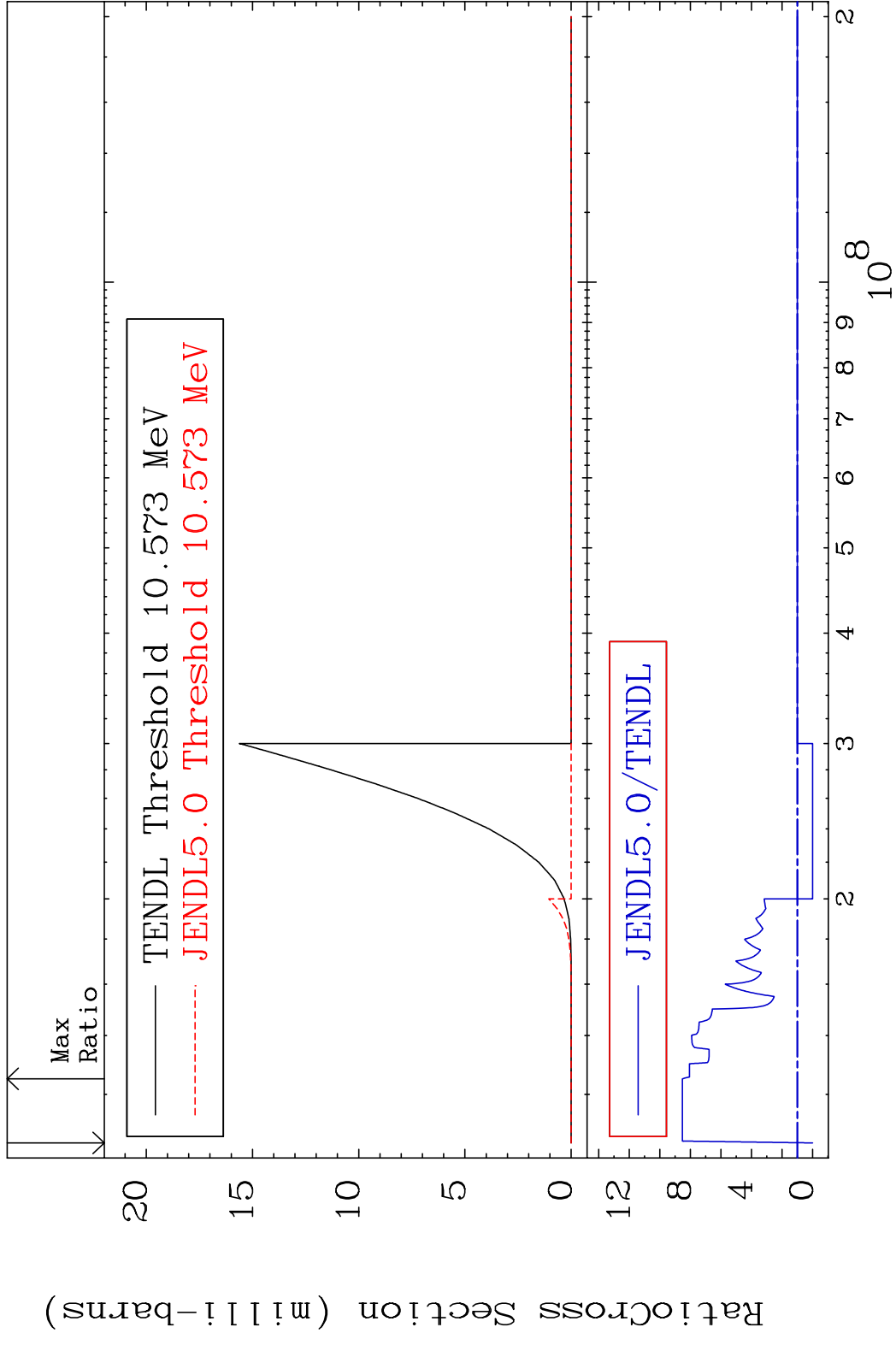
MAT 6410 (n,2n) α 64-Gd-147
 Cross Section -100.0 To 549.5 %



MAT 6410 (n, n') p 64-Gd-147
 Cross Section -100.0 To 9999. %

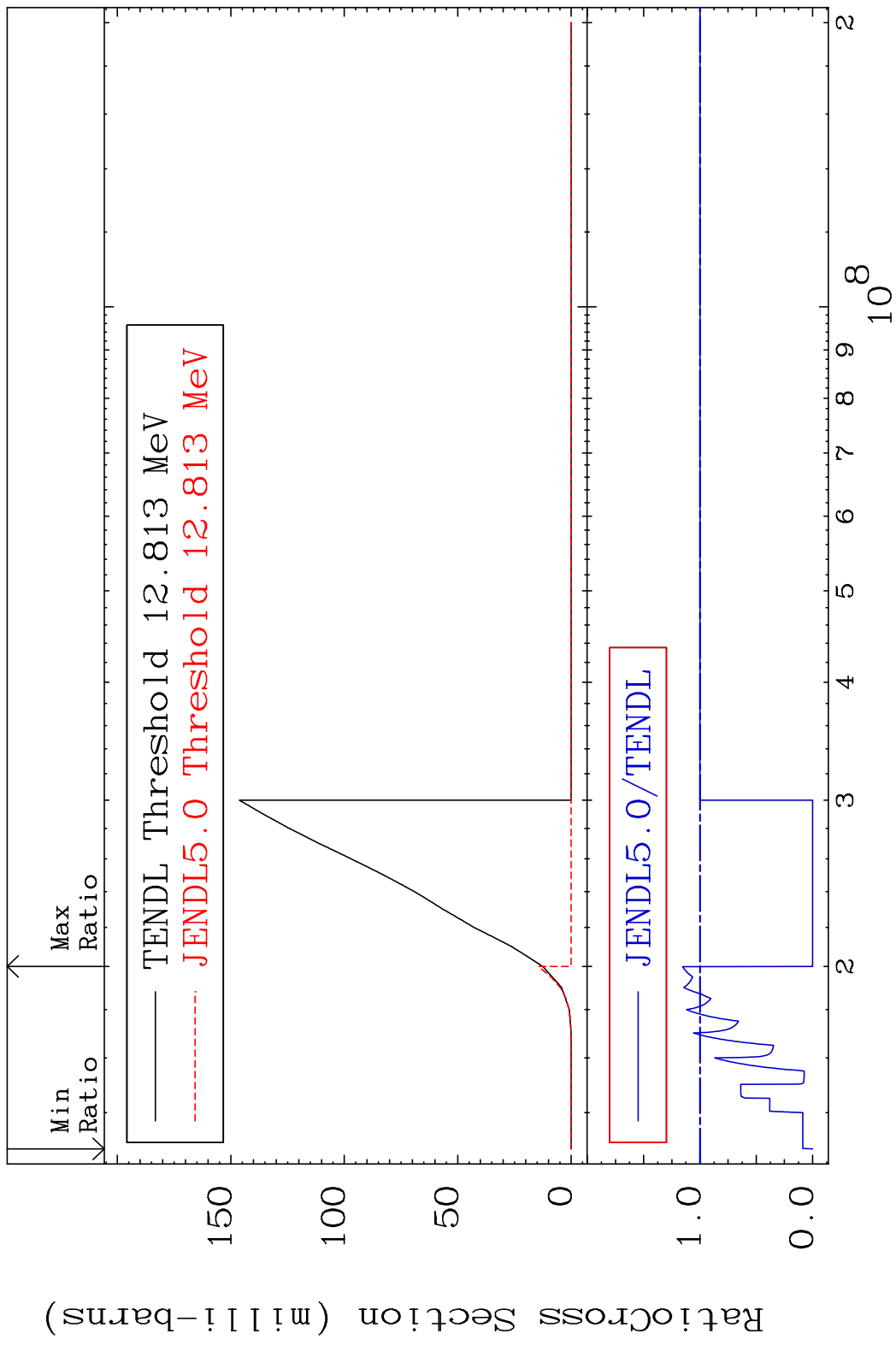


MAT 6410 (n, n') d 64-Gd-147
 Cross Section -100.0 To 752.7 %

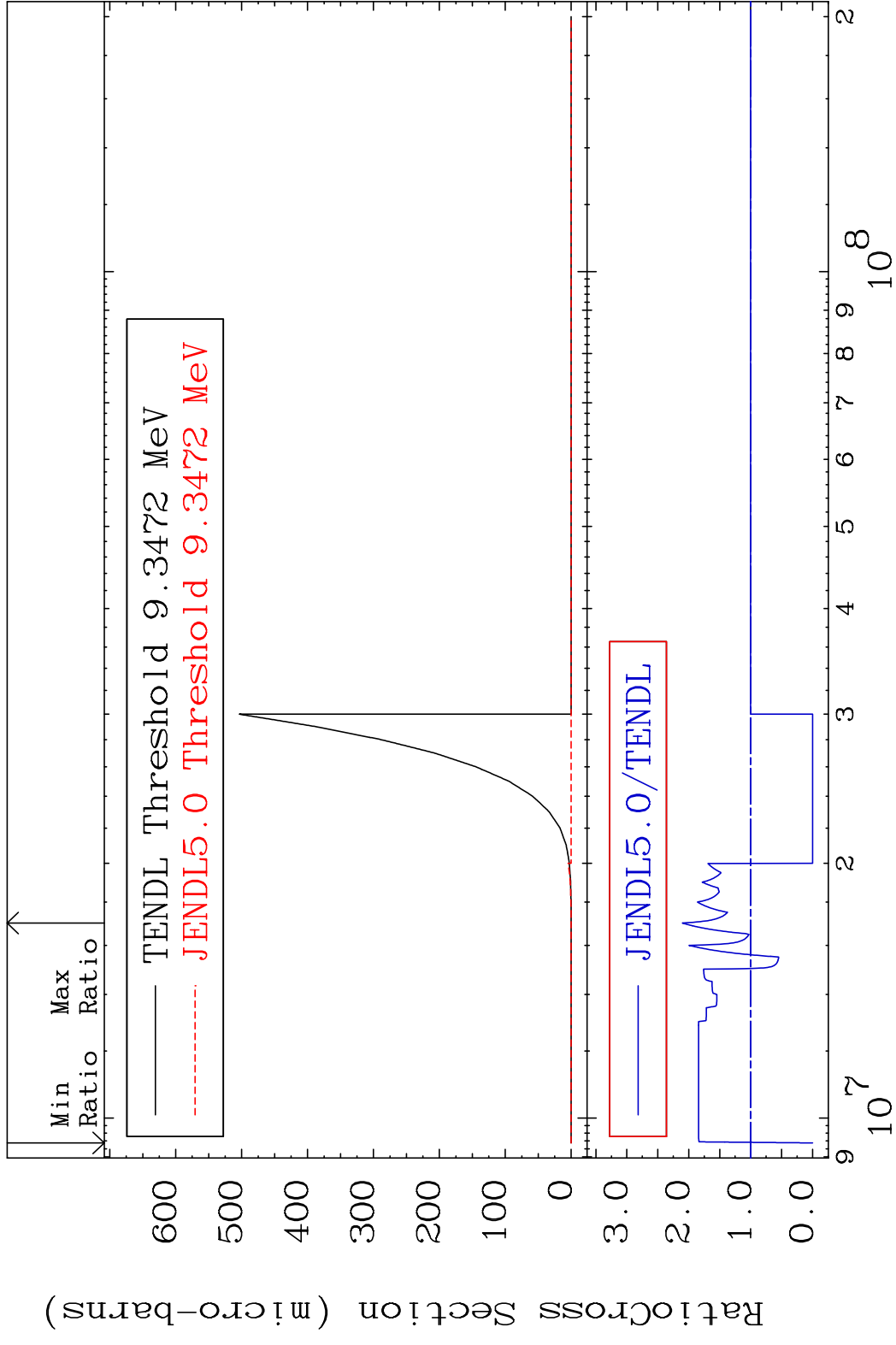


10 Incident Energy (eV) 64-Gd-147

MAT 6410 (n,2n) p 64-Gd-147
 Cross Section -100.0 To 15.62 %

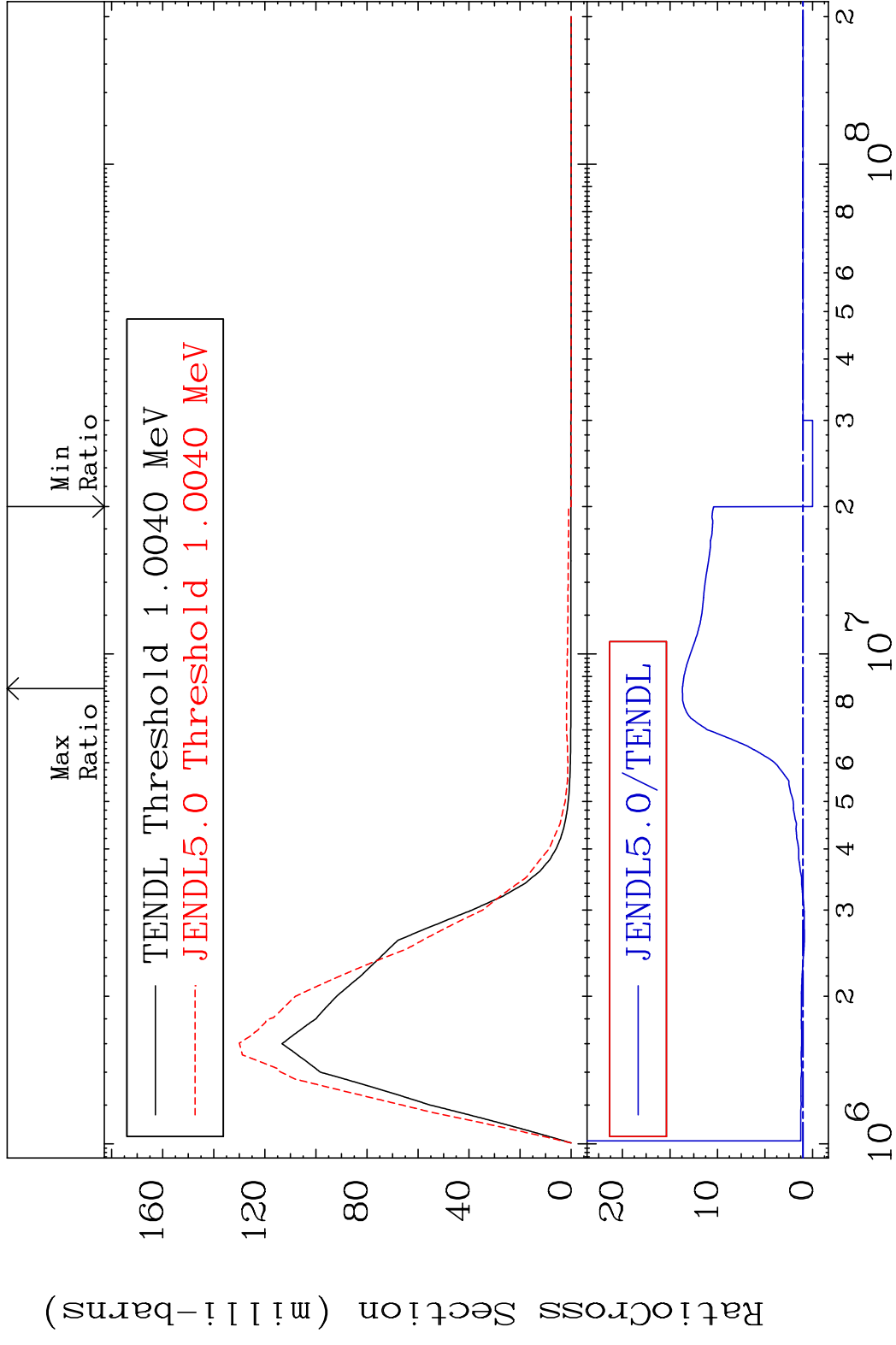


MAT 6410 (n,2n) p 64-Gd-147
 Cross Section -100.0 To 110.3 %



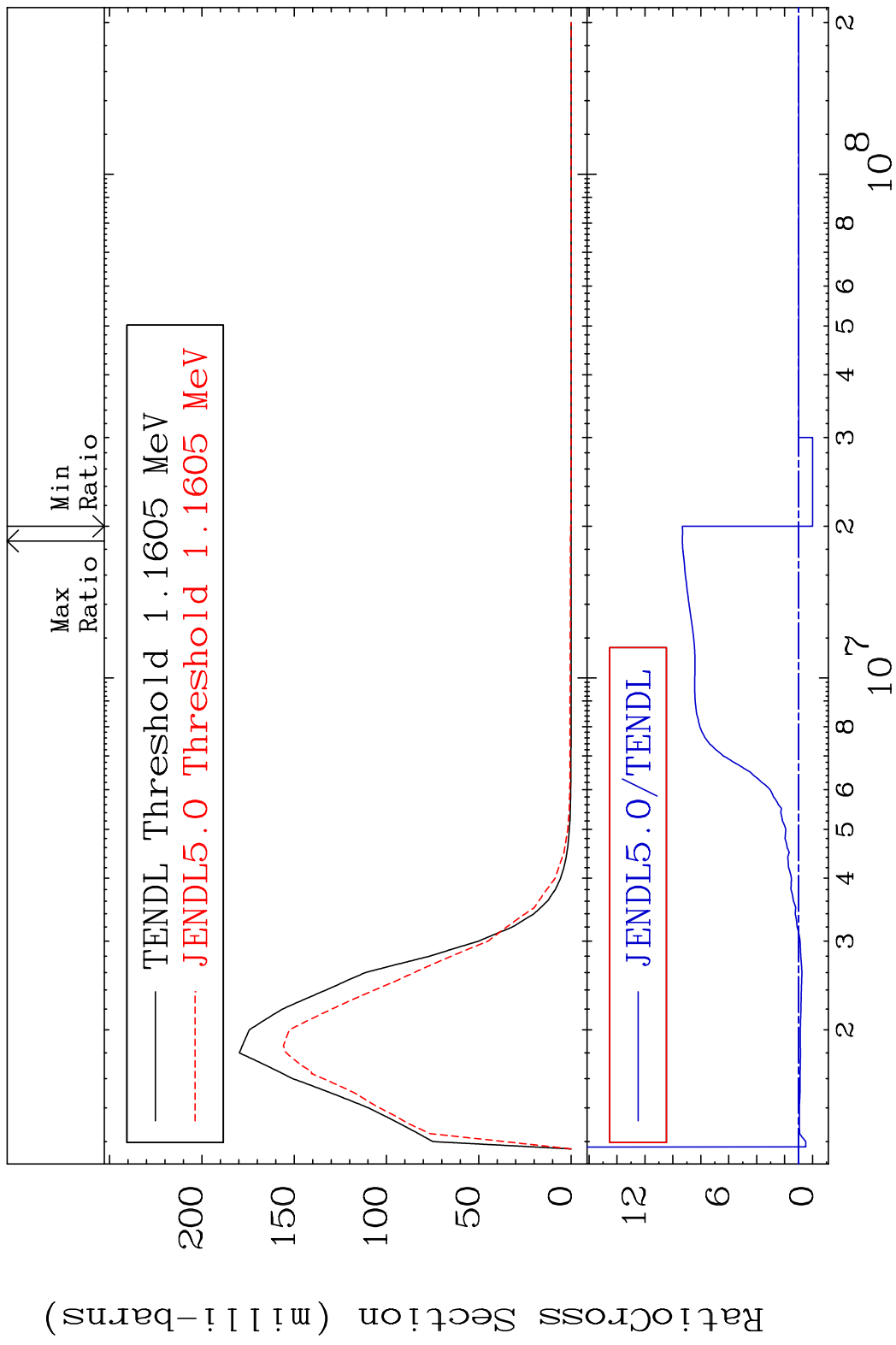
12 Incident Energy (eV) 64-Gd-147

MAT 6410 MT= 51 (n, n') Level 64-Gd-147
 Cross Section -100.0 To 1270. %

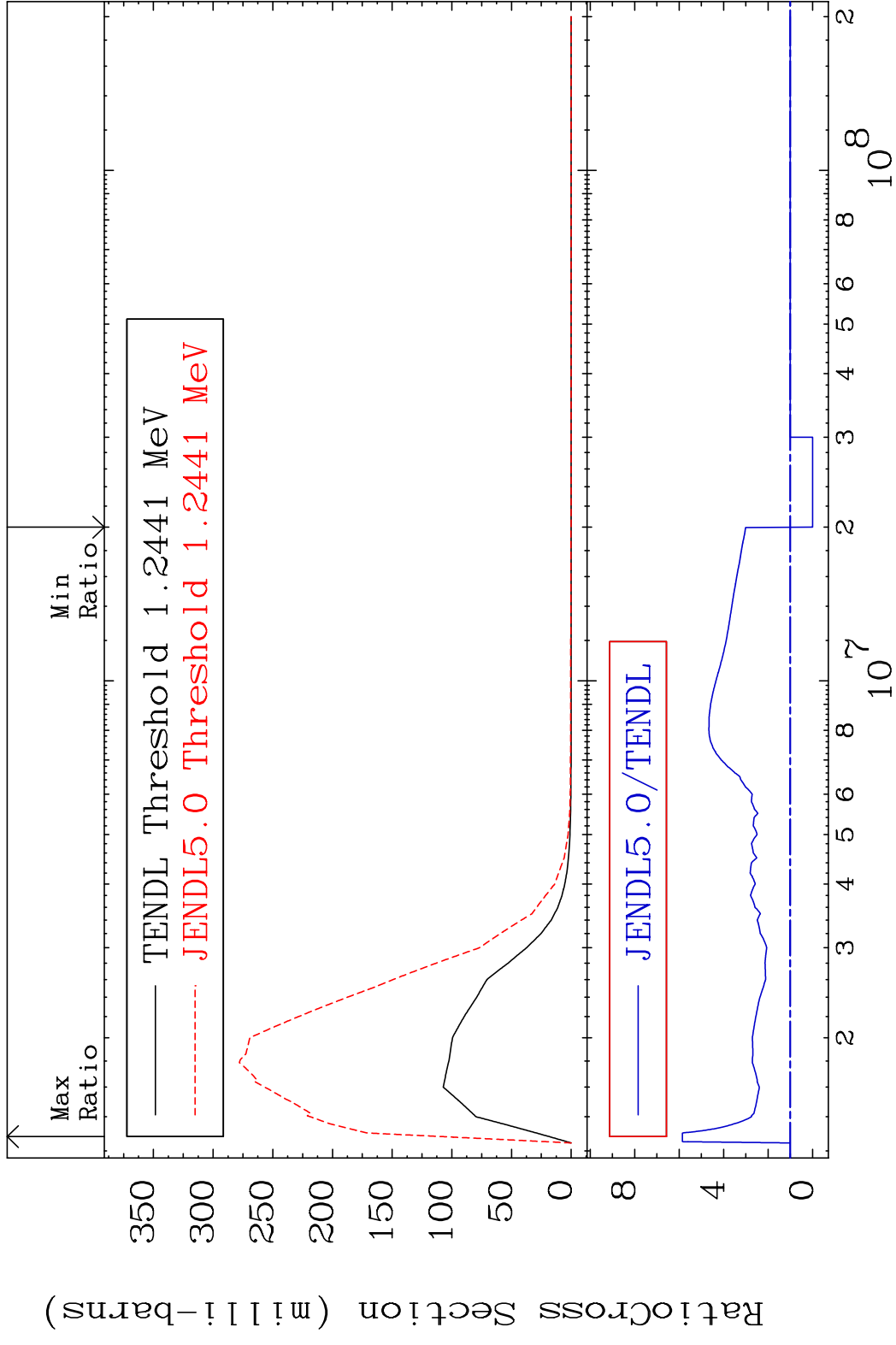


13 64-Gd-147

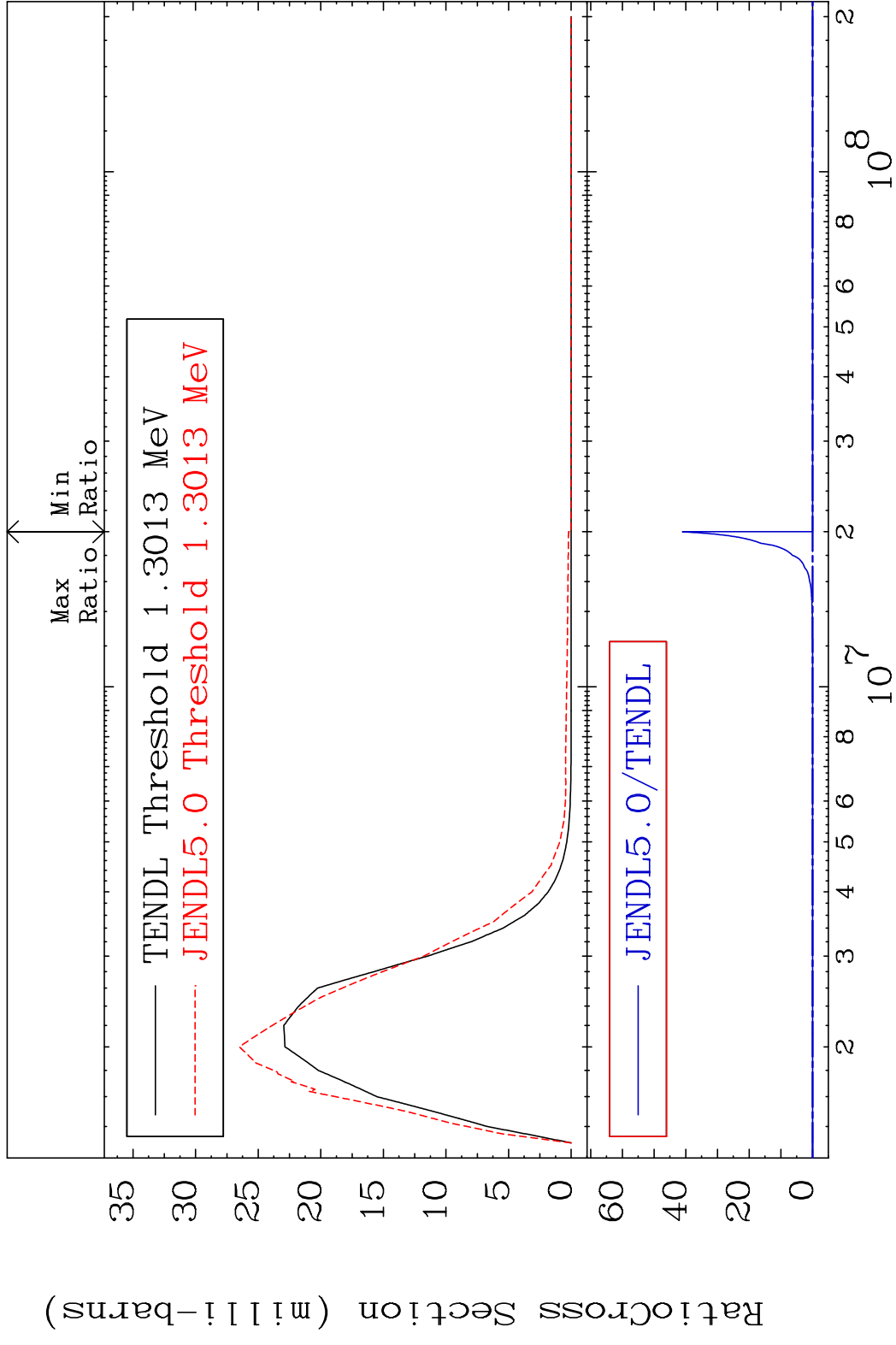
MAT 6410 MT= 52 (n, n') Level 64-Gd-147
 Cross Section -100.0 To 832.3 %



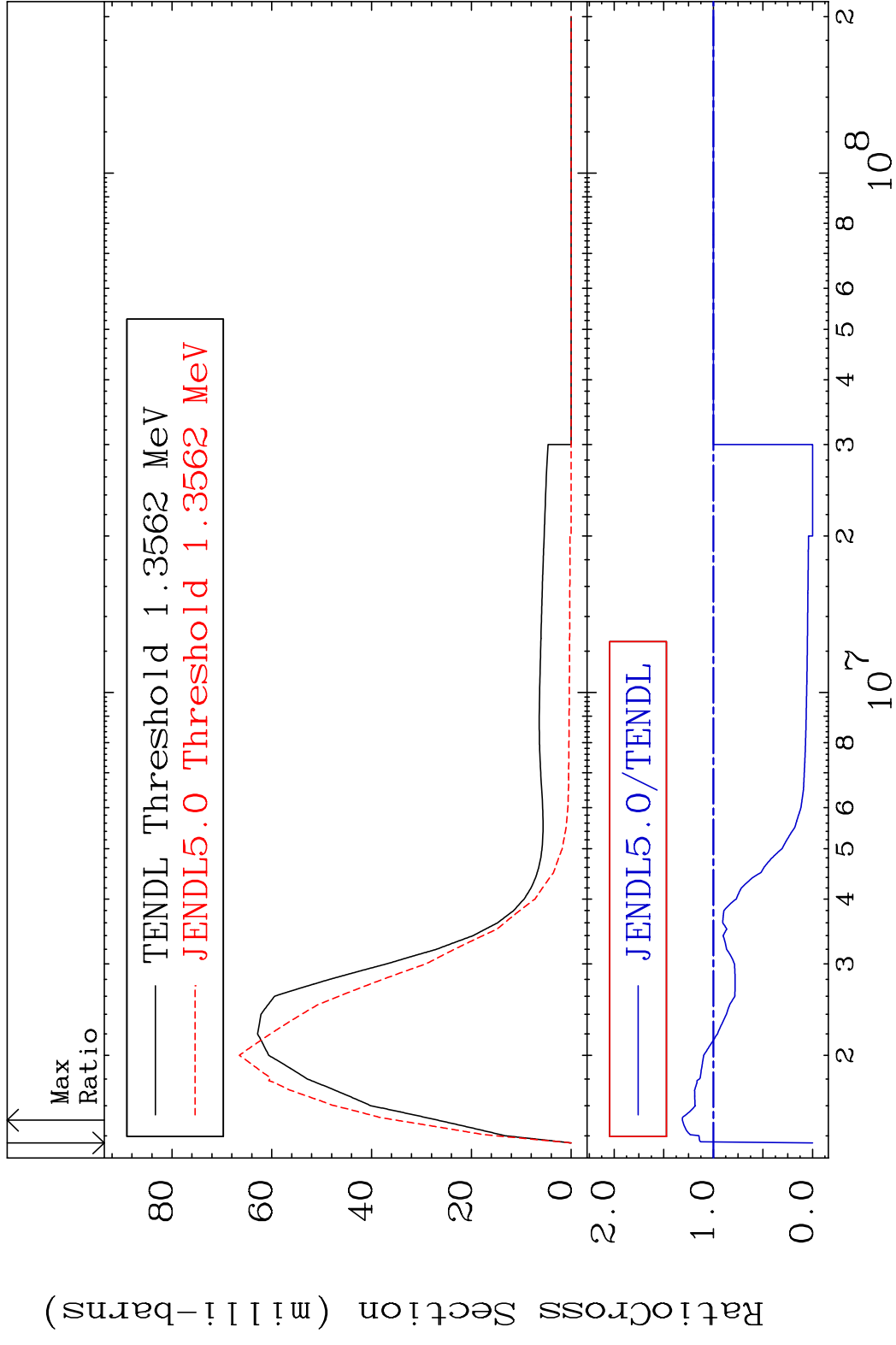
MAT 6410 MT= 53 (n, n') Level 64-Gd-147
 Cross Section -100.0 To 485.6 %



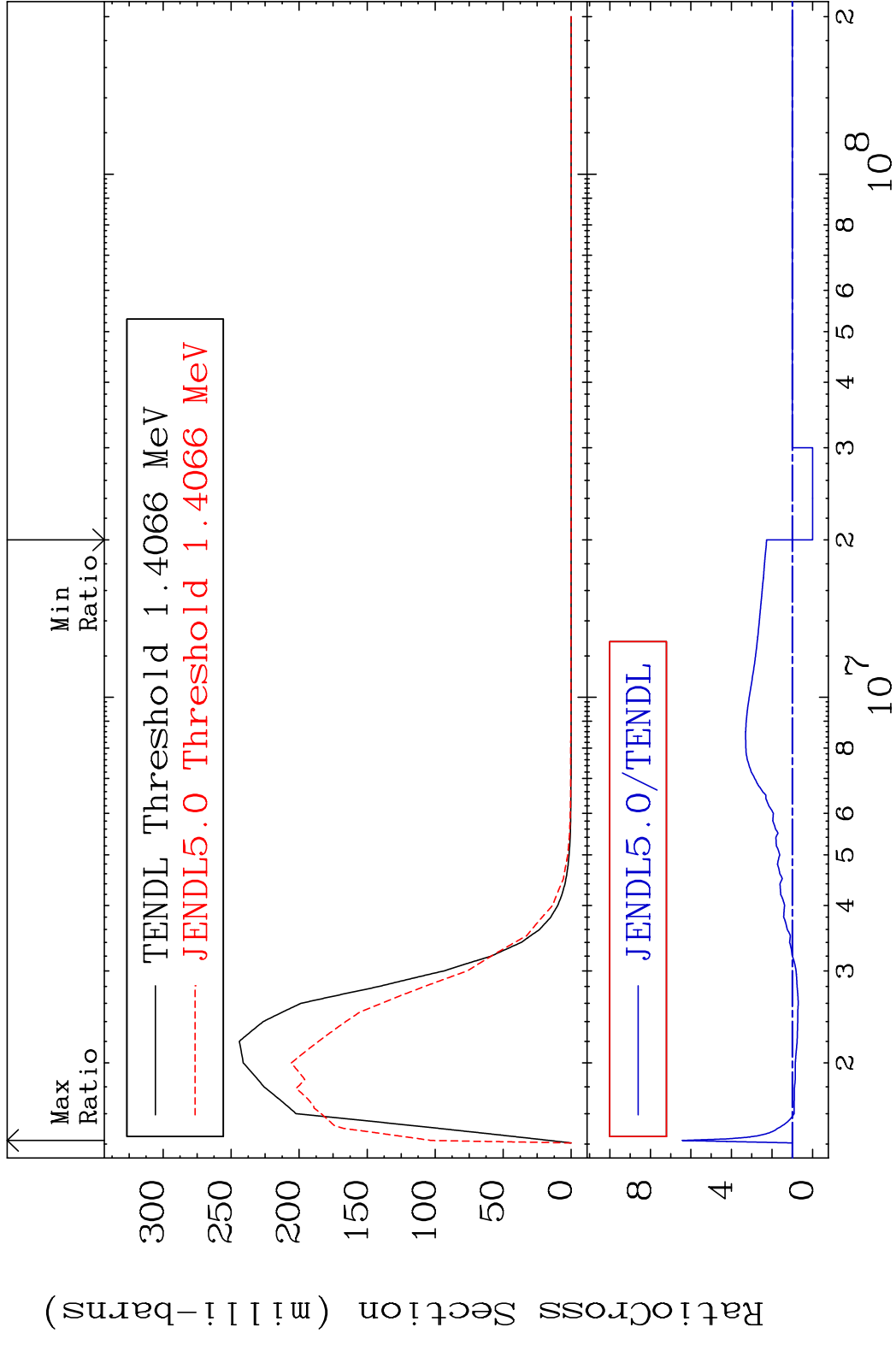
MAT 6410 MT= 54 (n, n') Level 64-Gd-147
 Cross Section -100.0 To 9999. %



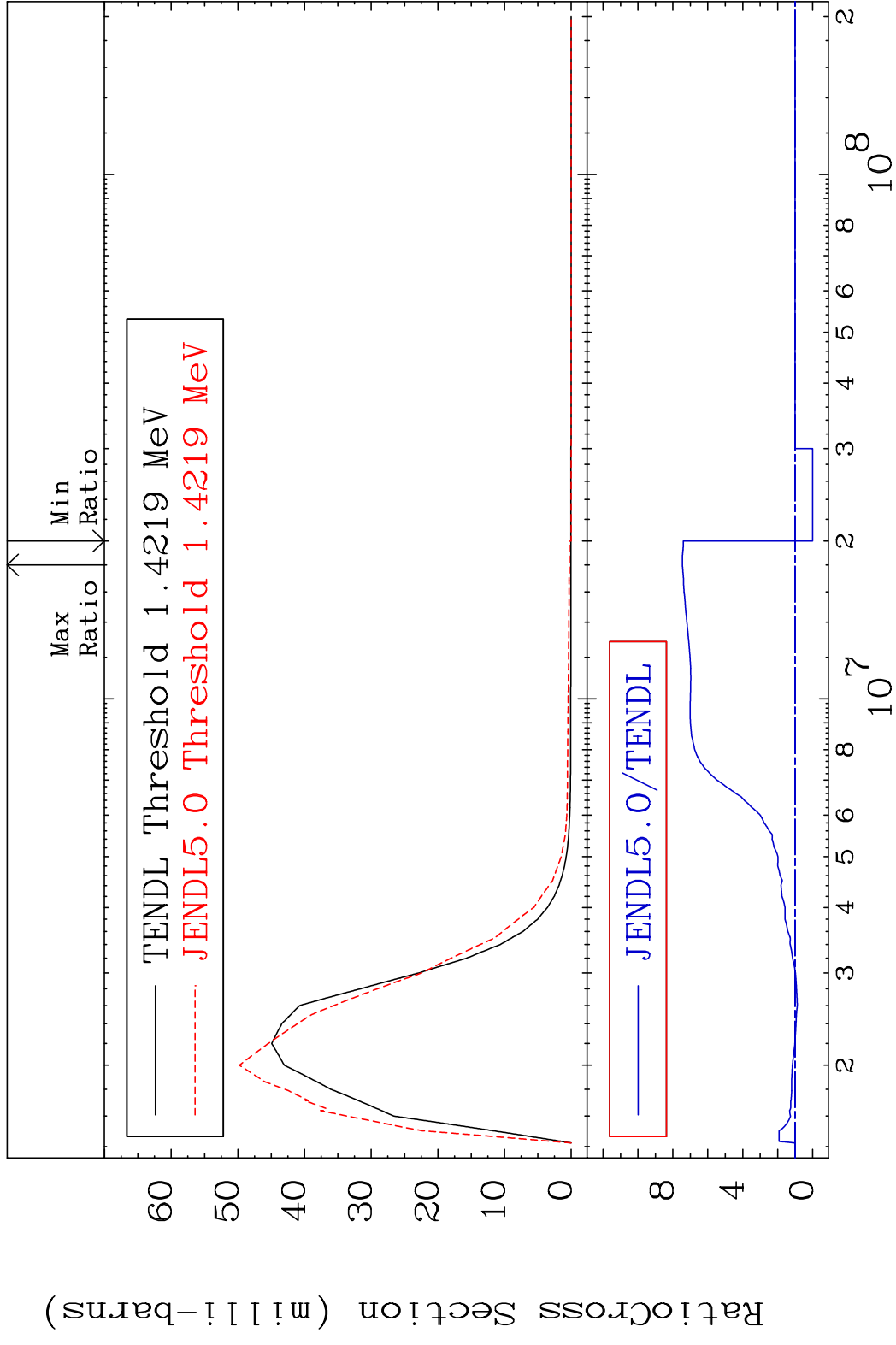
MAT 6410 MT= 55 (n,n') Level 64-Gd-147
 Cross Section -100.0 To 31.22 %



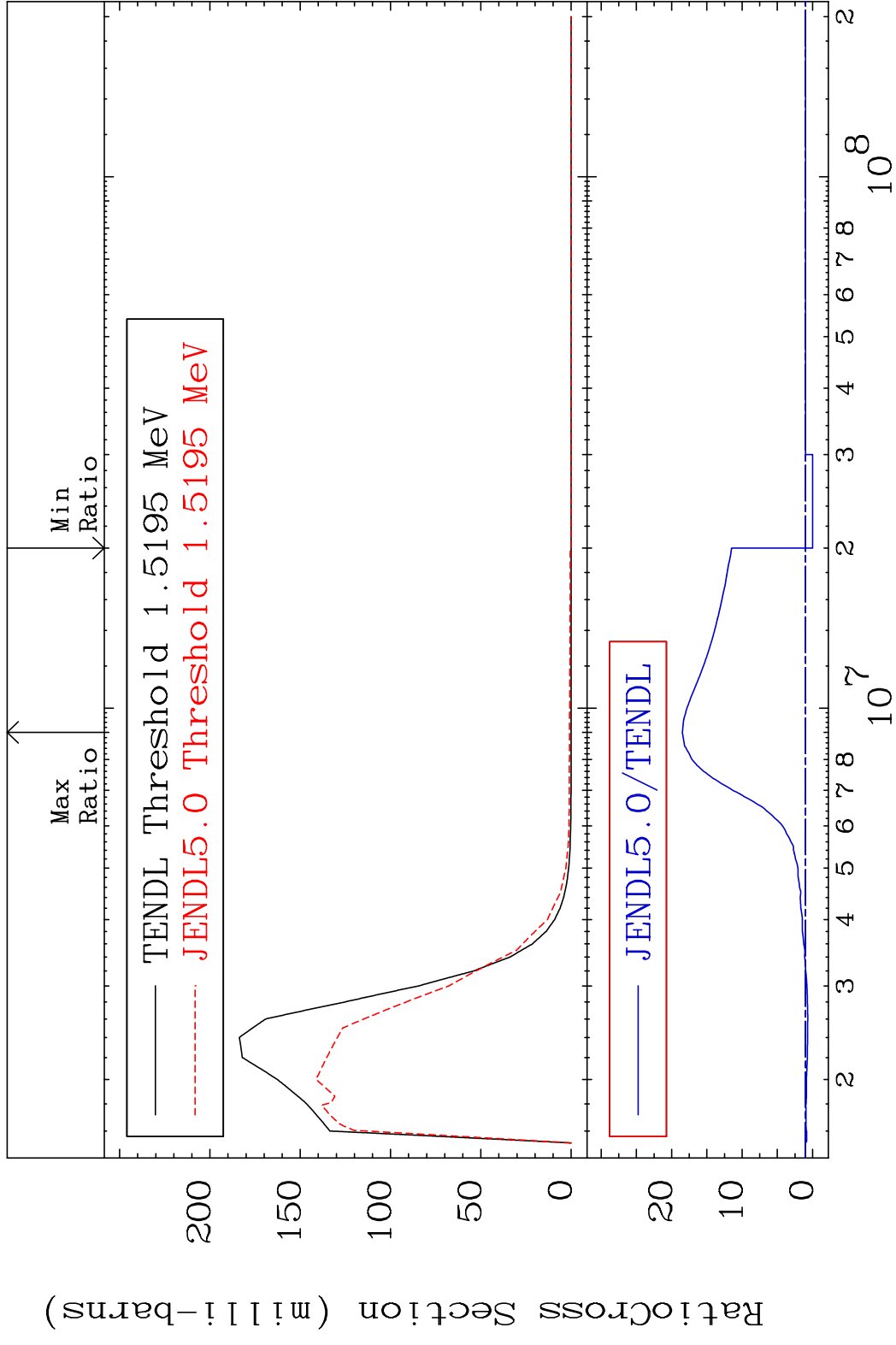
MAT 6410 MT= 56 (n, n') Level 64-Gd-147
 Cross Section -100.0 To 542.3 %



MAT 6410 MT= 57 (n, n') Level 64-Gd-147
 Cross Section -100.0 To 645.7 %

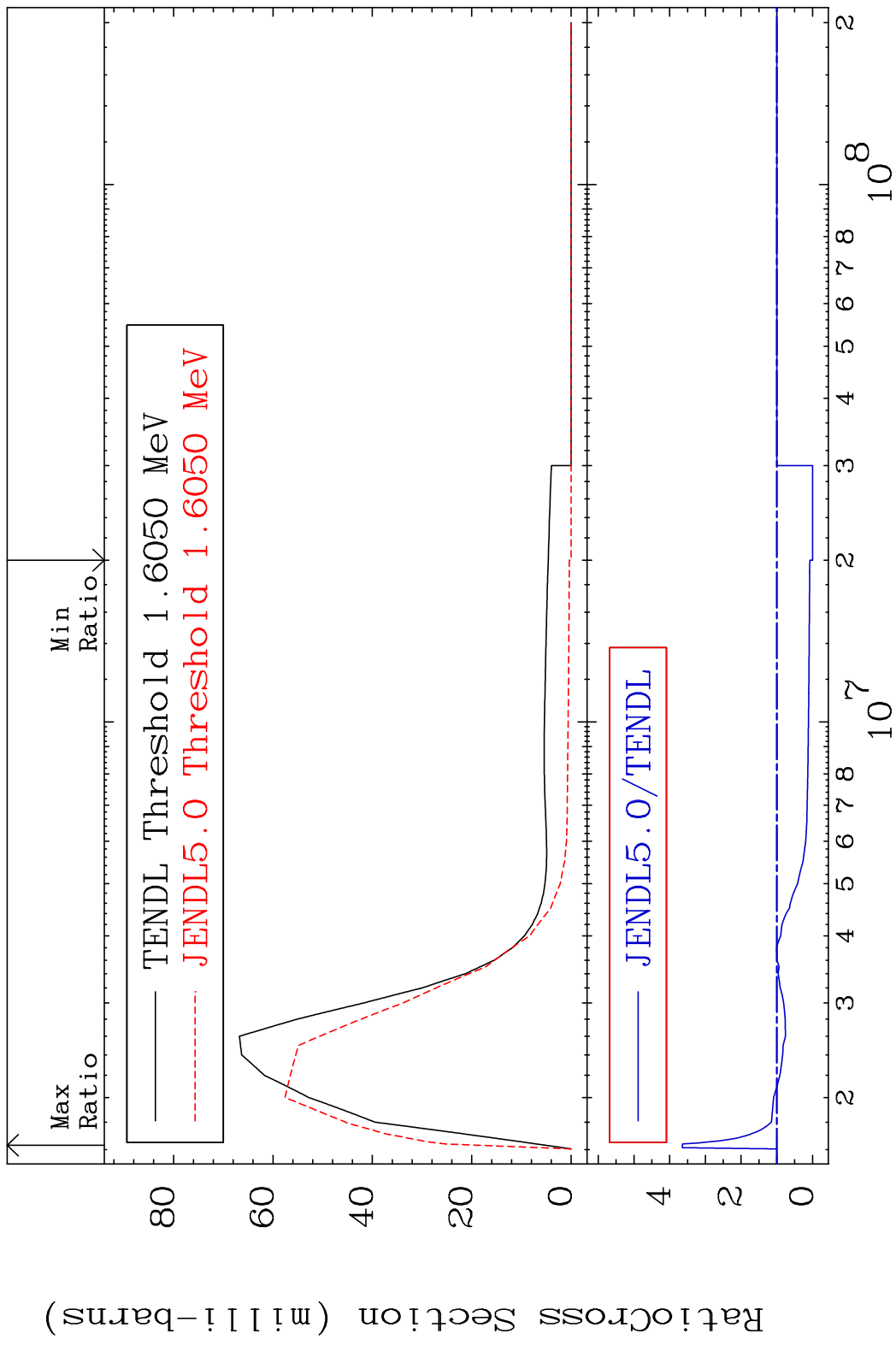


MAT 6410 MT= 58 (n, n') Level 64-Gd-147
 Cross Section -100.0 To 1748. %

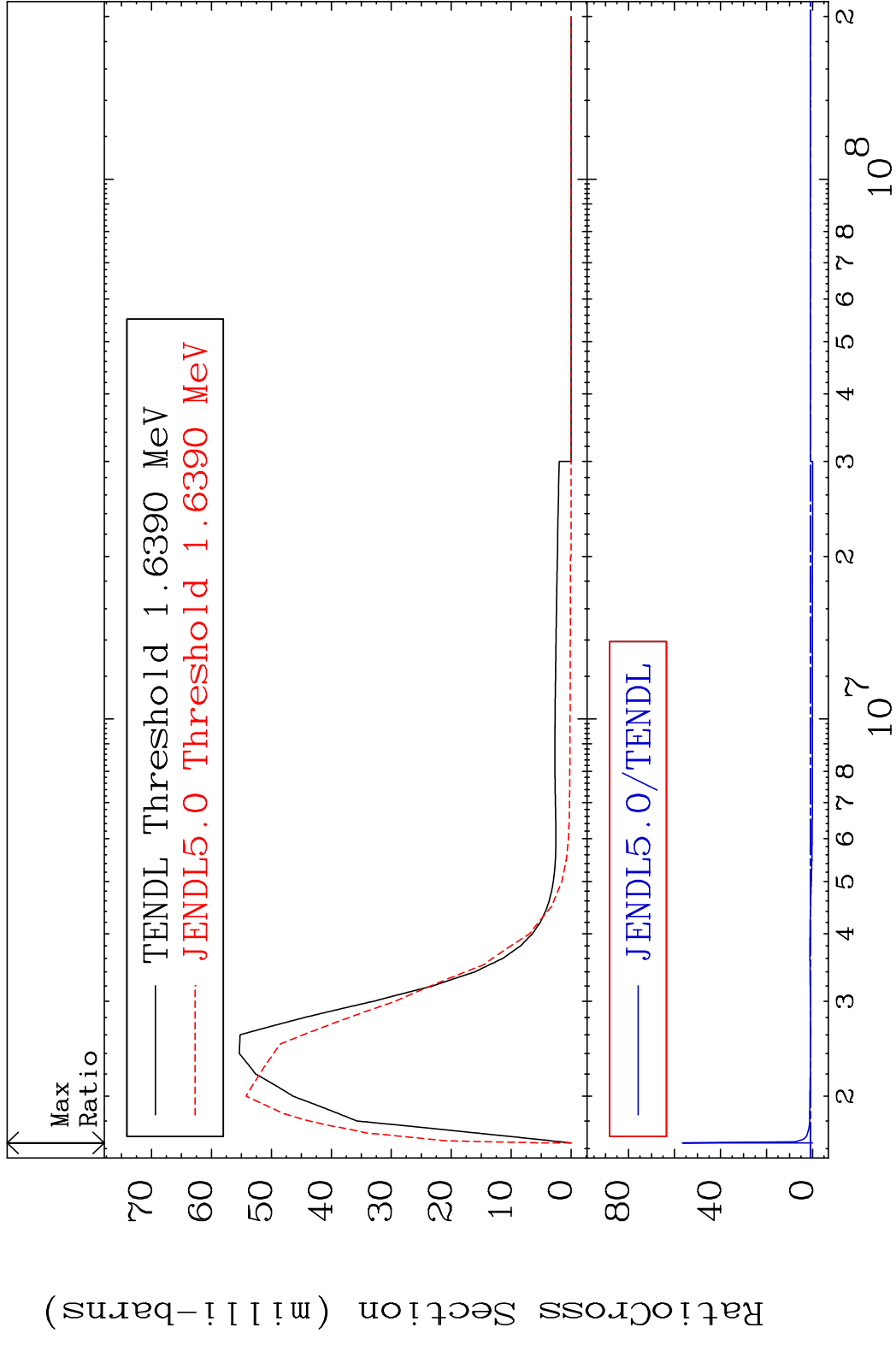


20 Incident Energy (eV) 64-Gd-147

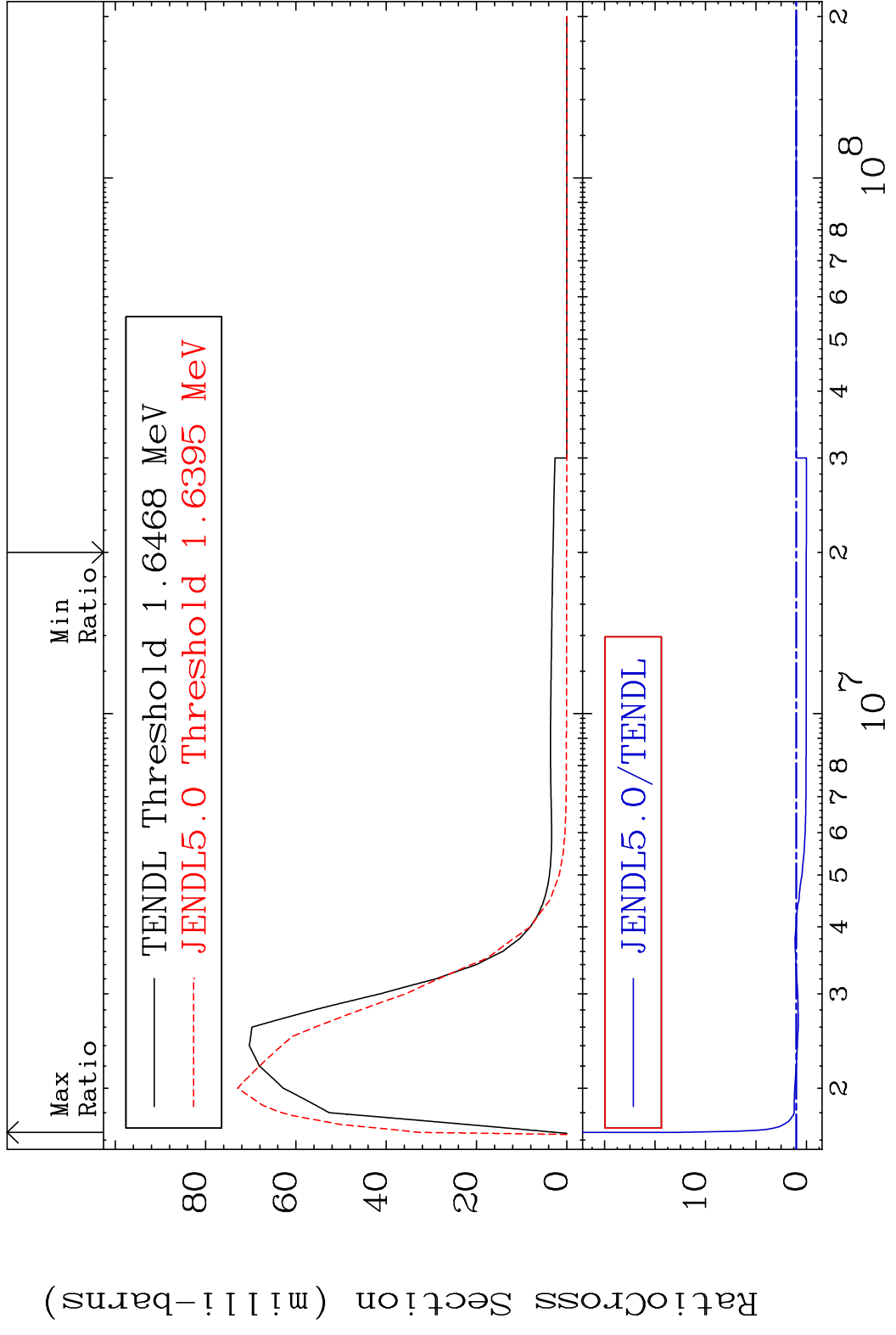
MAT 6410 MT= 59 (n, n') Level 64-Gd-147
 Cross Section -100.0 To 264.5 %



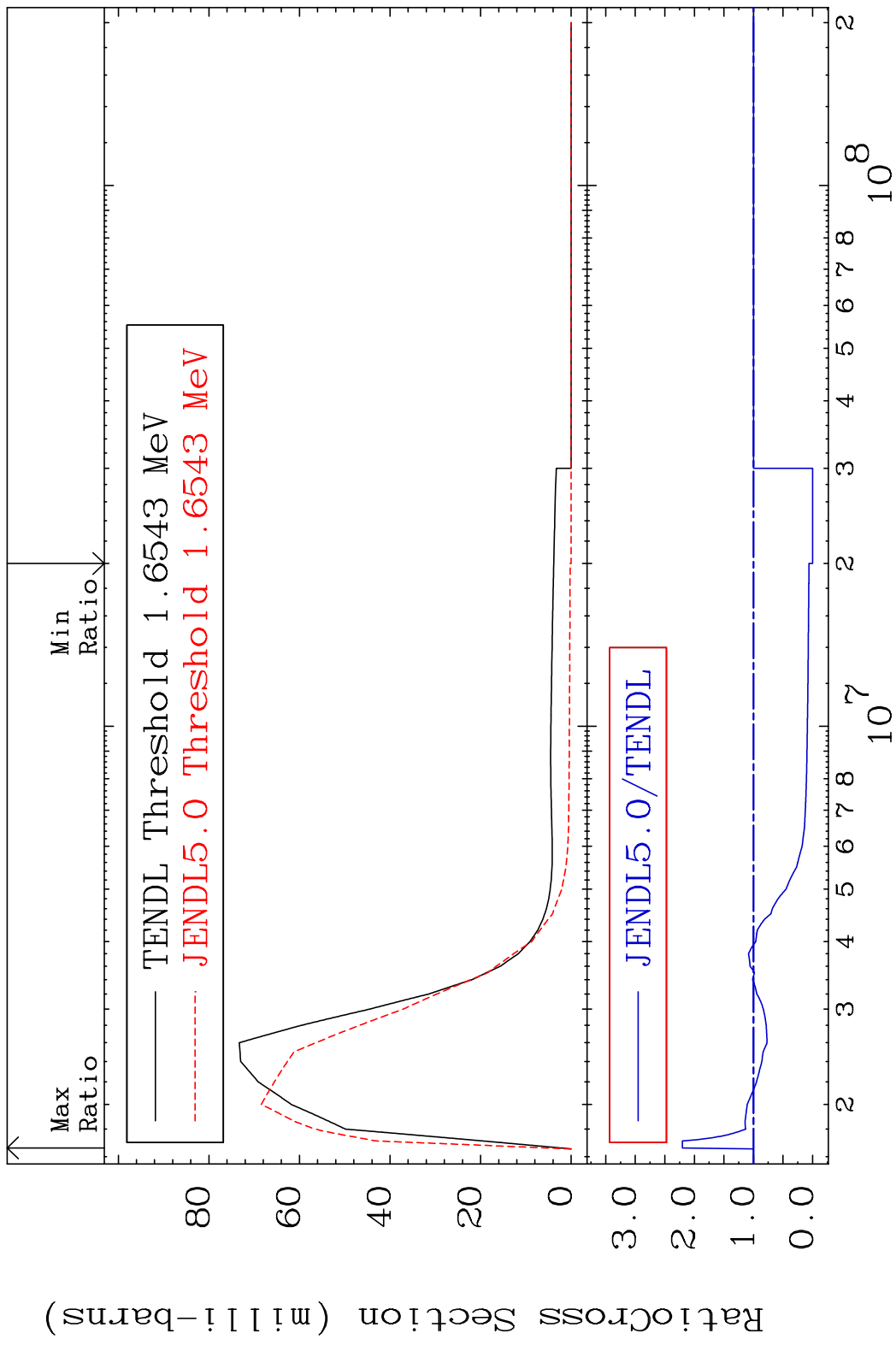
MAT 6410 MT= 60 (n,n') Level 64-Gd-147
 Cross Section -100.0 To 5559. %



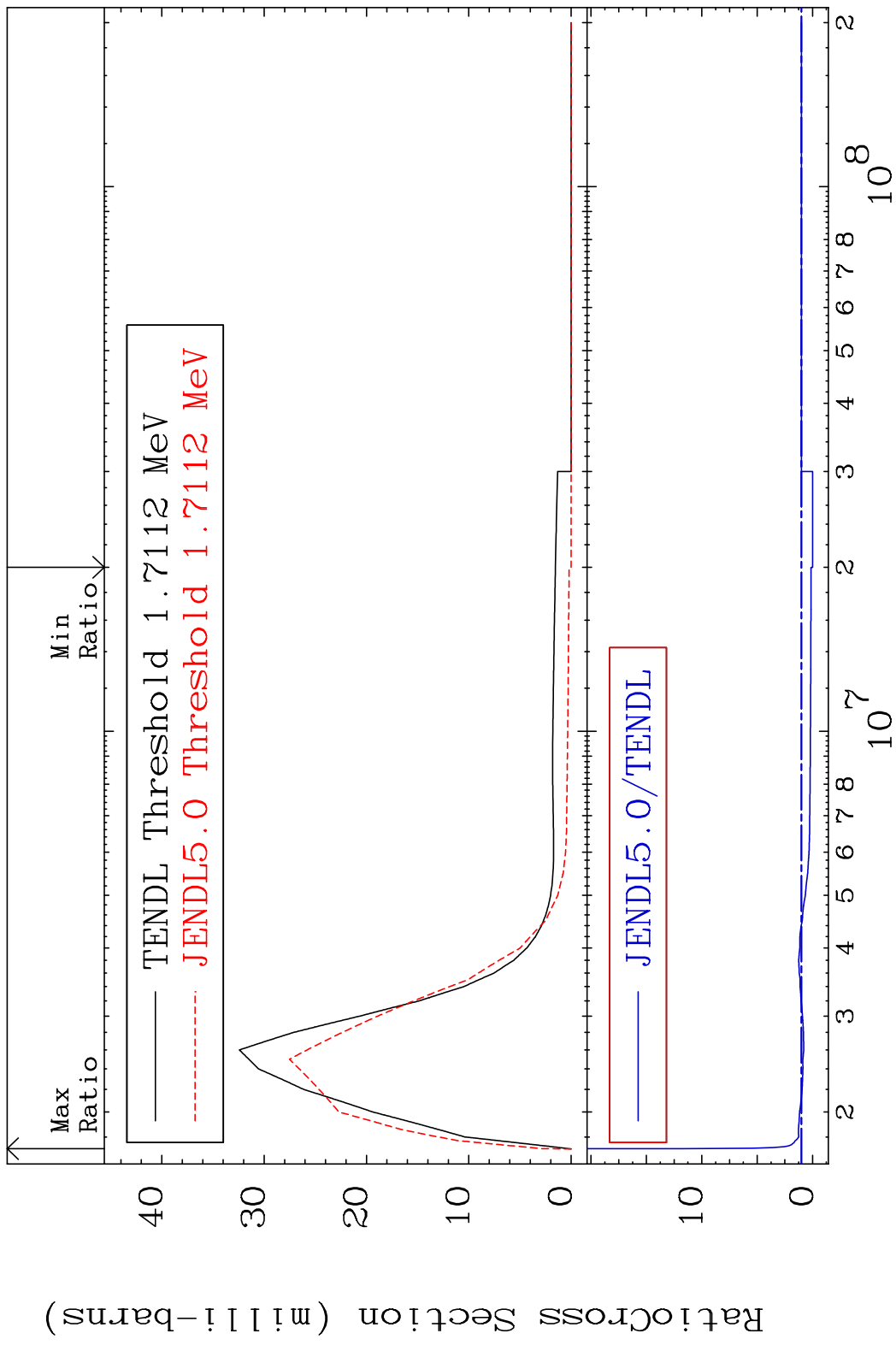
MAT 6410 MT= 61 (n, n') Level 64-Gd-147
 Cross Section -100.0 To 1181. %



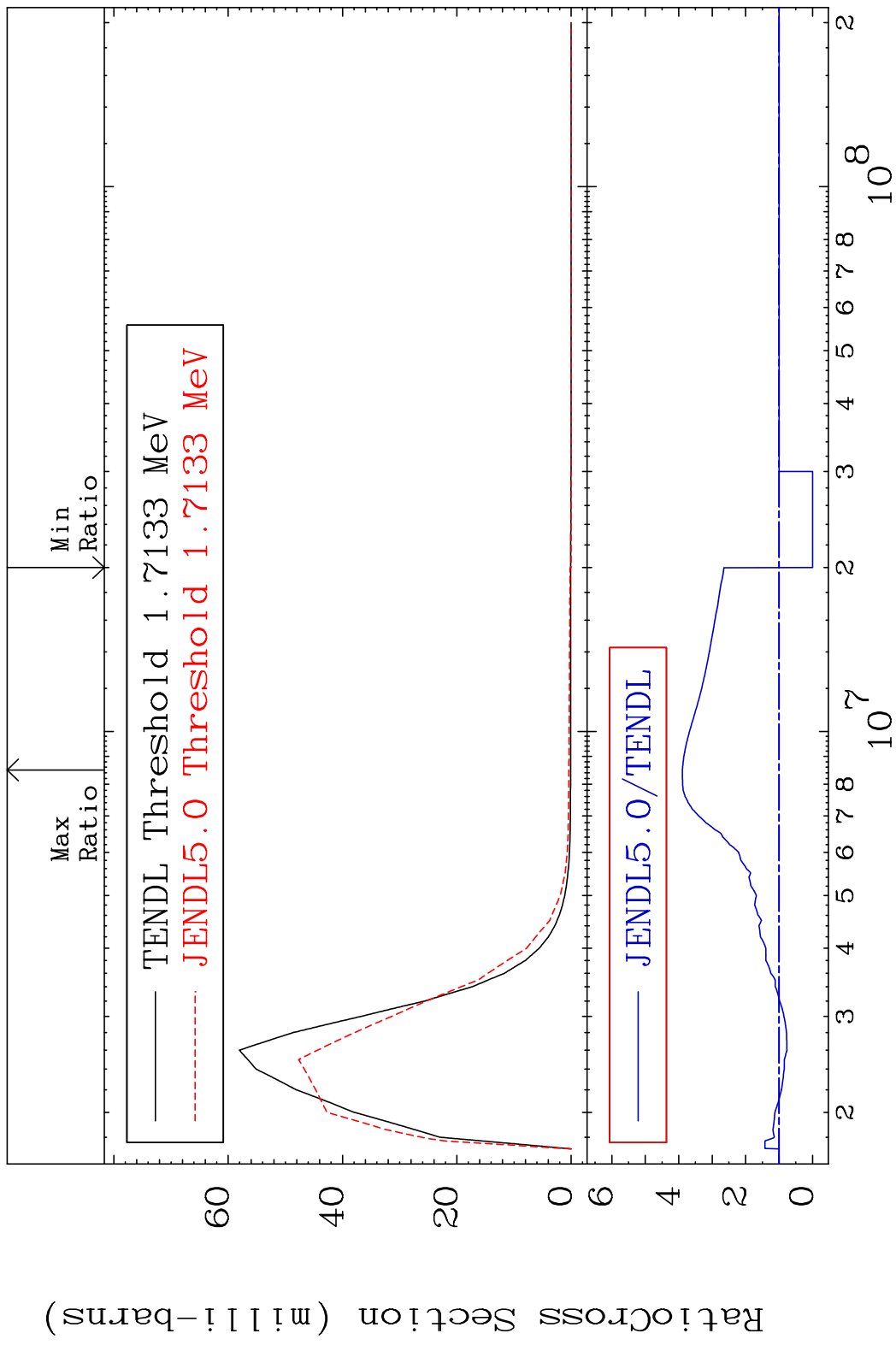
MAT 6410 MT= 62 (n, n') Level 64-Gd-147
 Cross Section -100.0 To 120.3 %



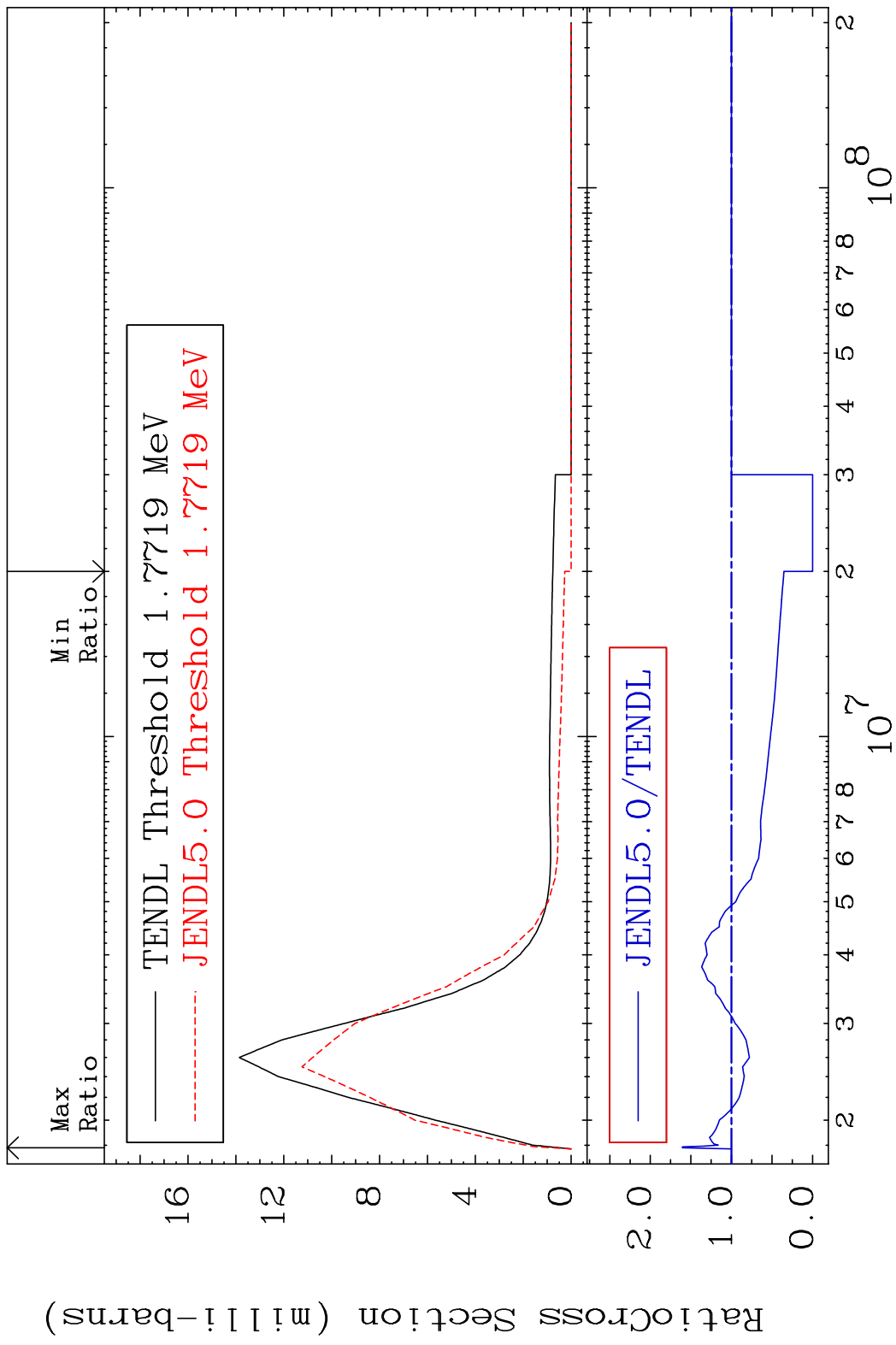
MAT 6410 MT= 63 (n, n') Level 64-Gd-147
 Cross Section -100.0 To 1076. %



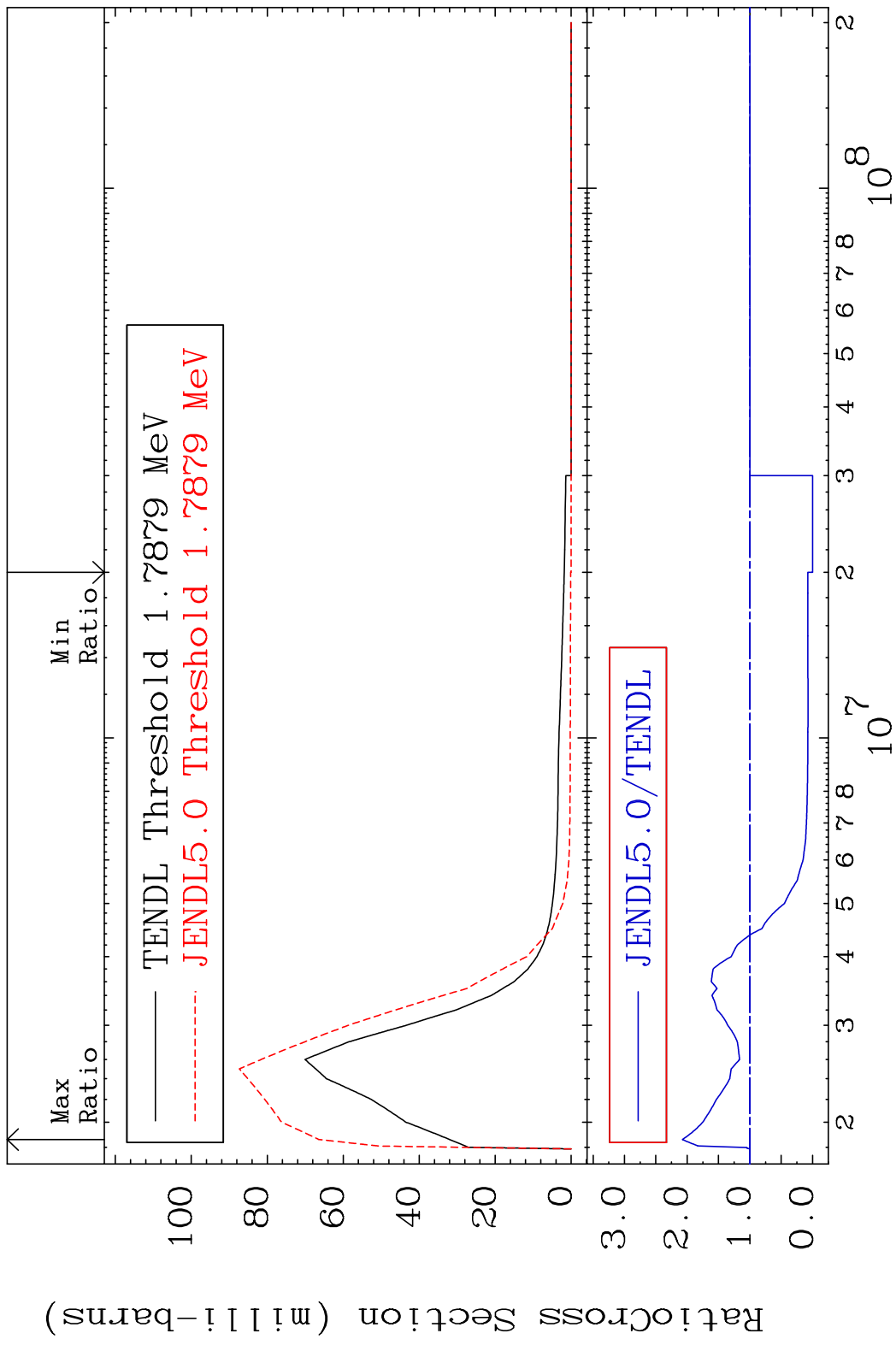
MAT 6410 MT= 64 (n, n') Level 64-Gd-147
 Cross Section -100.0 To 289.3 %



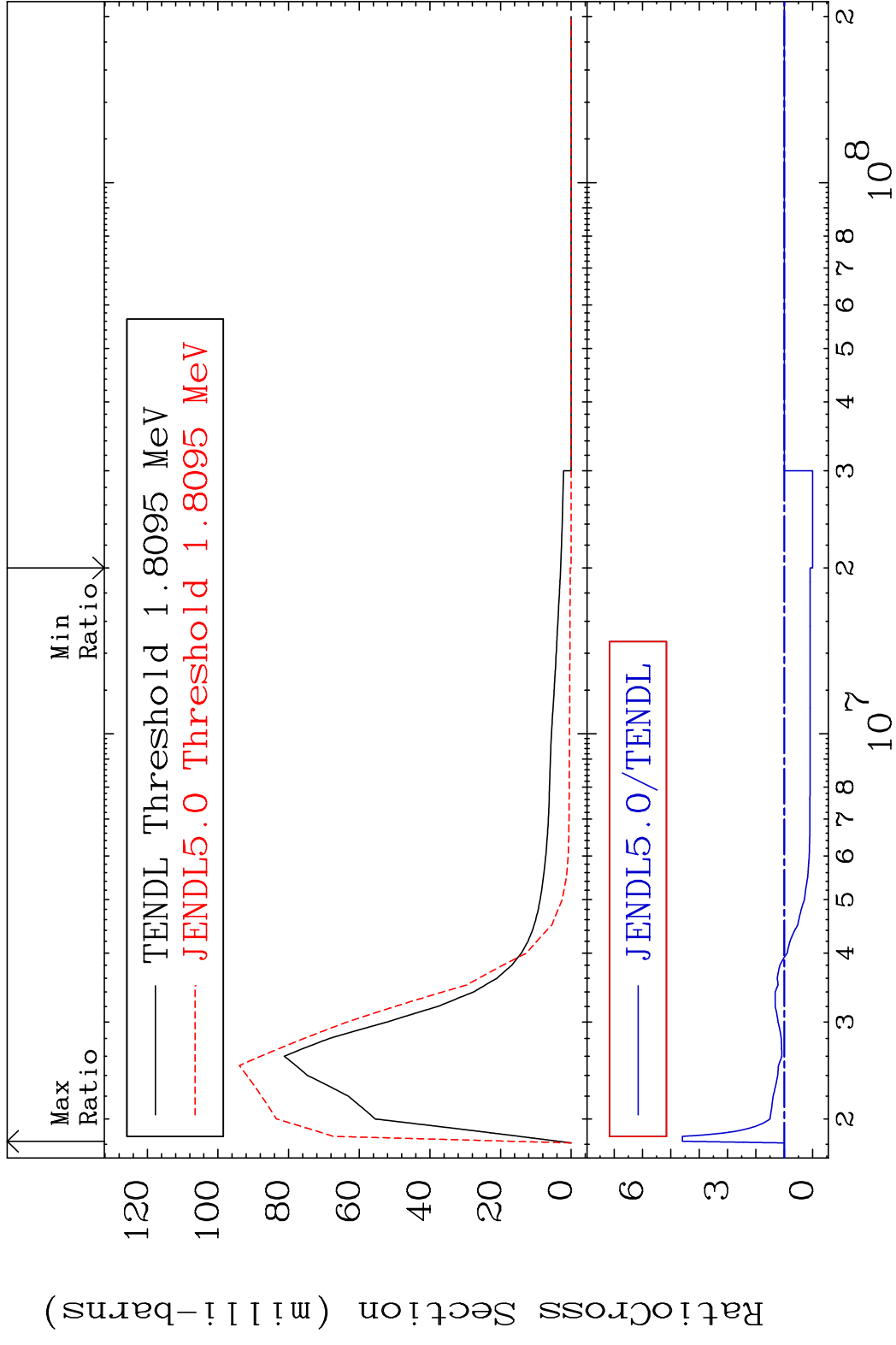
MAT 6410 MT= 65 (n, n') Level 64-Gd-147
 Cross Section -100.0 To 60.53 %



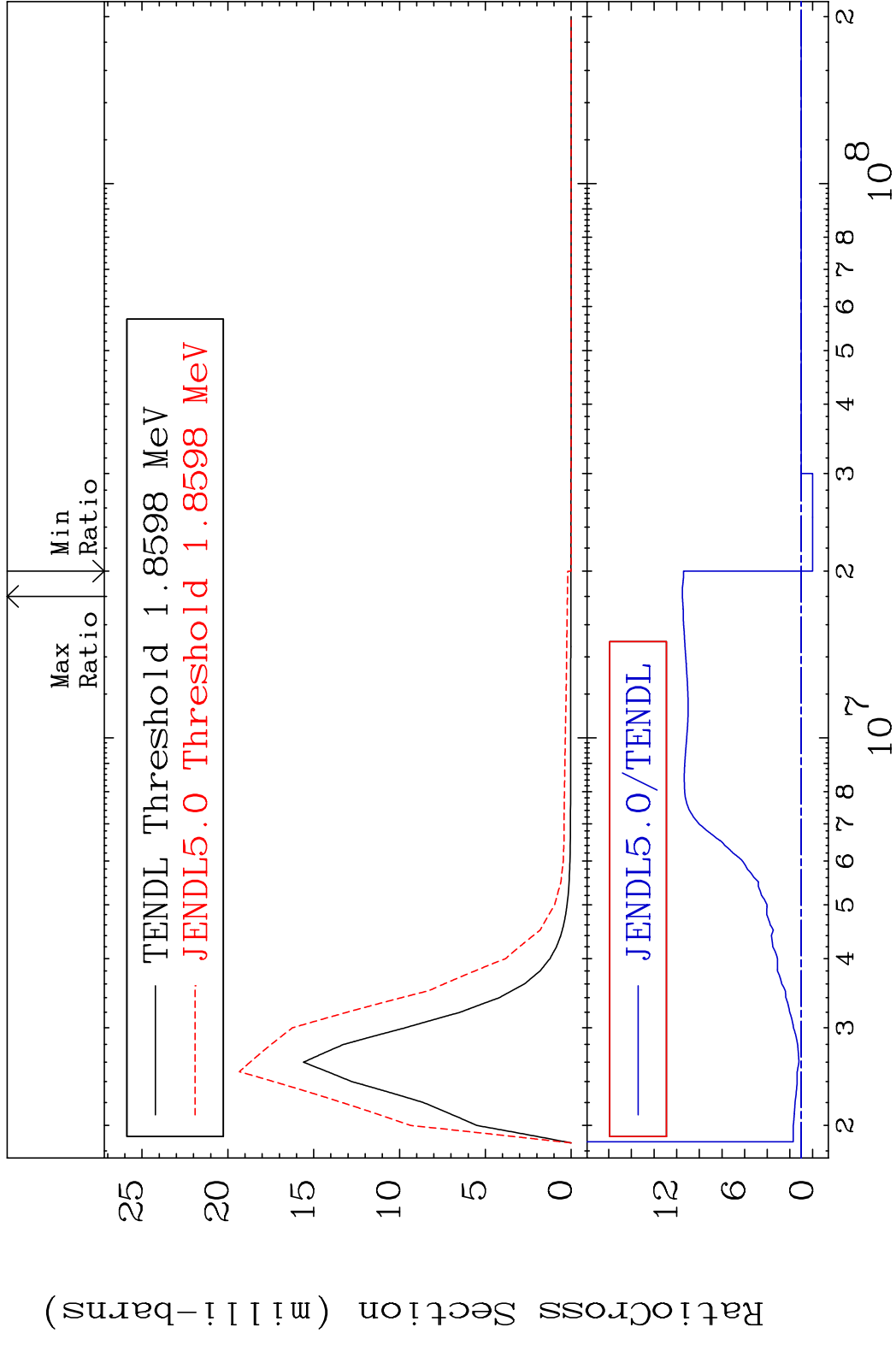
MAT 6410 MT= 66 (n, n') Level 64-Gd-147
 Cross Section -100.0 To 107.7 %

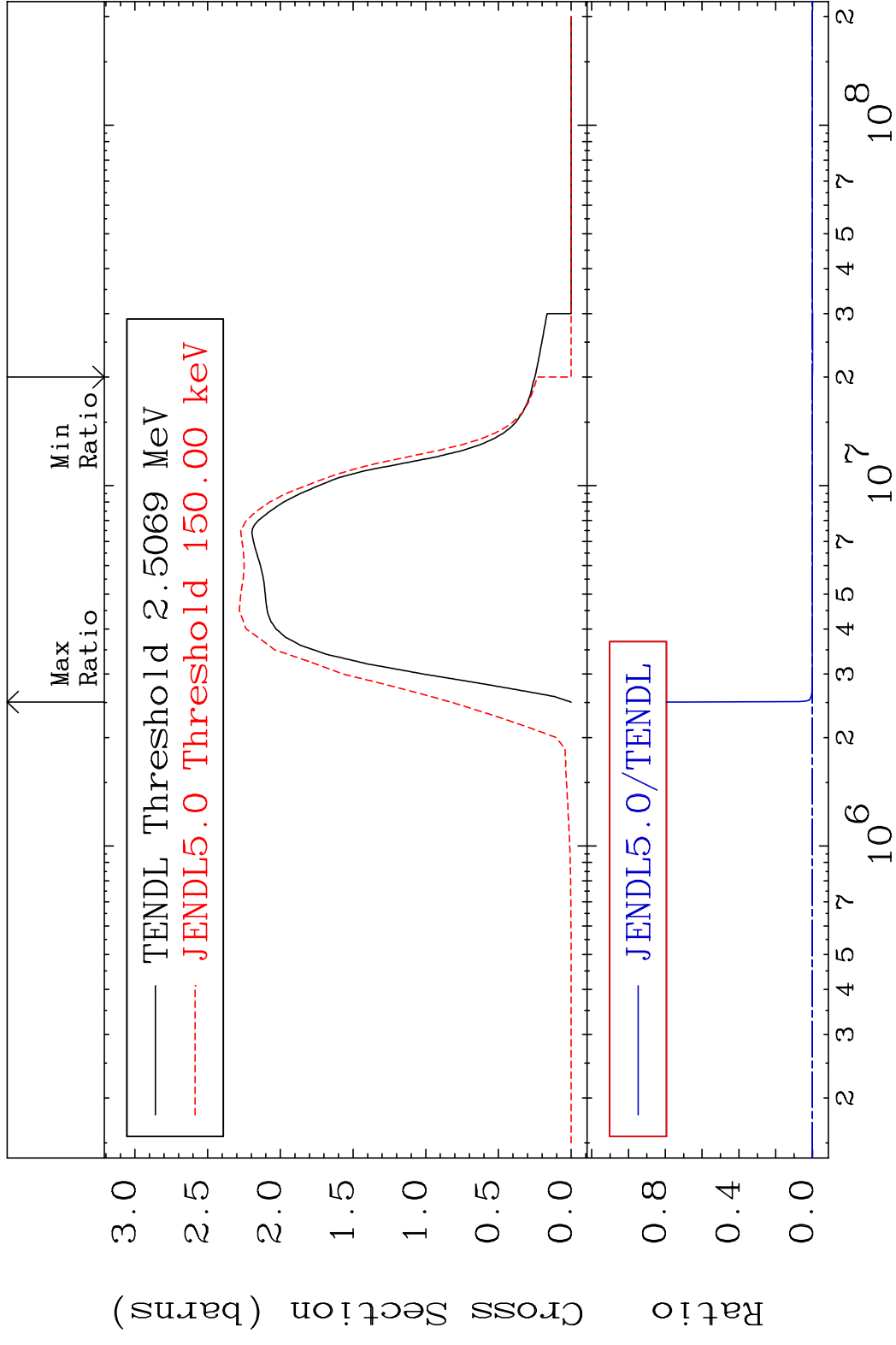


MAT 6410 MT= 67 (n, n') Level 64-Gd-147
 Cross Section -100.0 To 359.5 %



MAT 6410 MT= 68 (n, n') Level 64-Gd-147
 Cross Section -100.0 To 1050. %



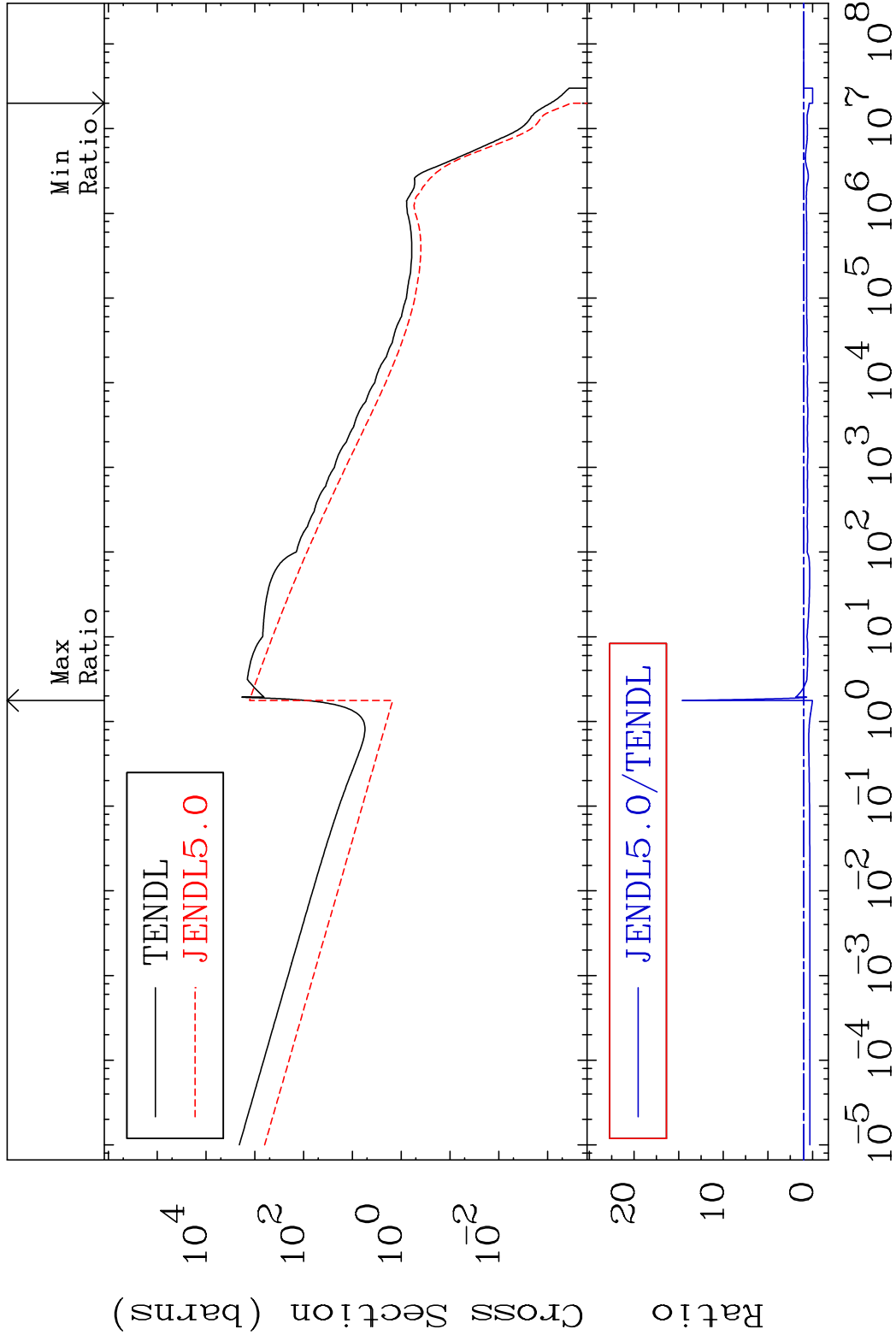


MAT 6410

(n, γ)

64-Gd-147

Cross Section -100.0 To 1359. %



32

Incident Energy (eV)

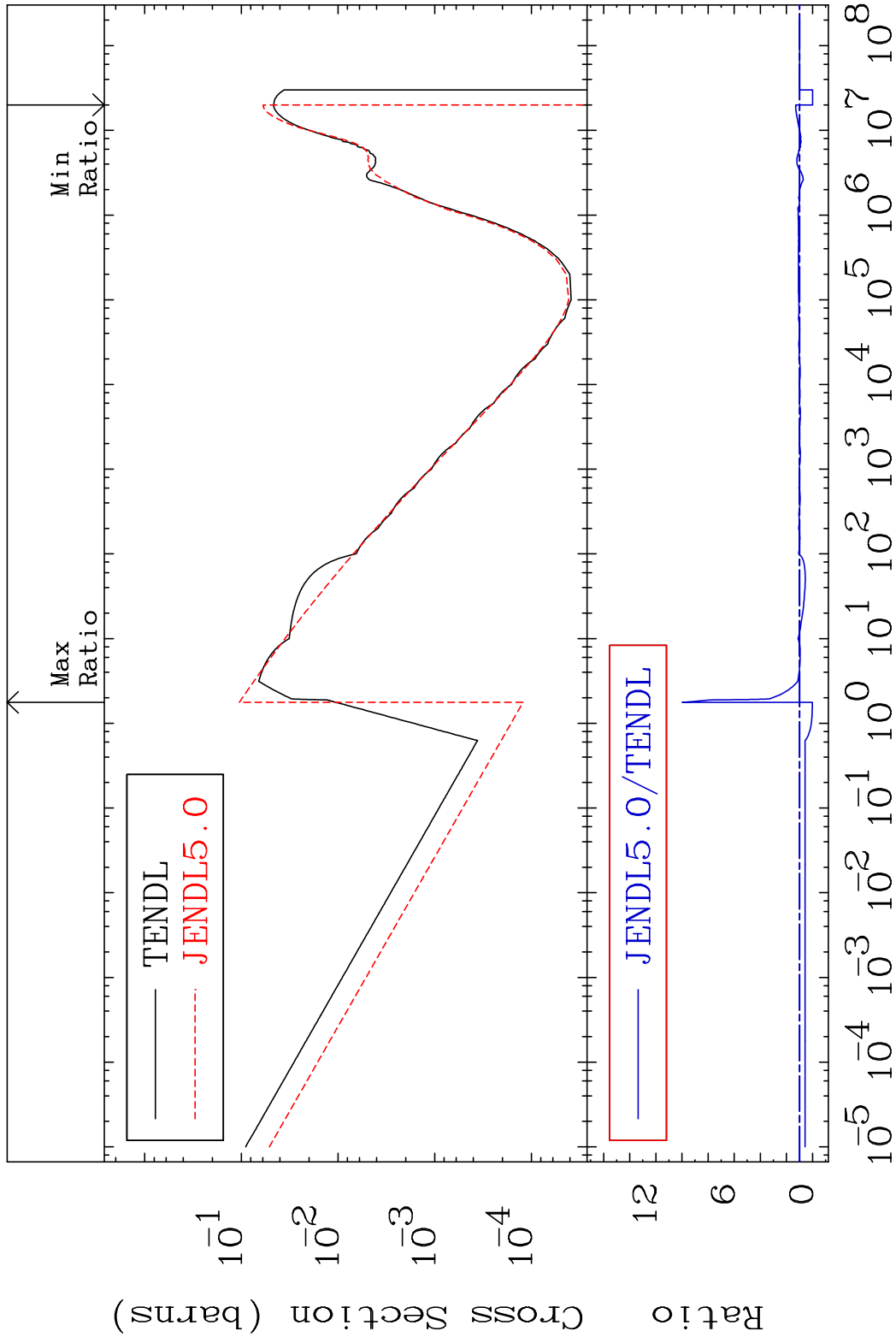
64-Gd-147

MAT 6410

(n,p)

64-Gd-147

Cross Section -100.0 To 897.0 %

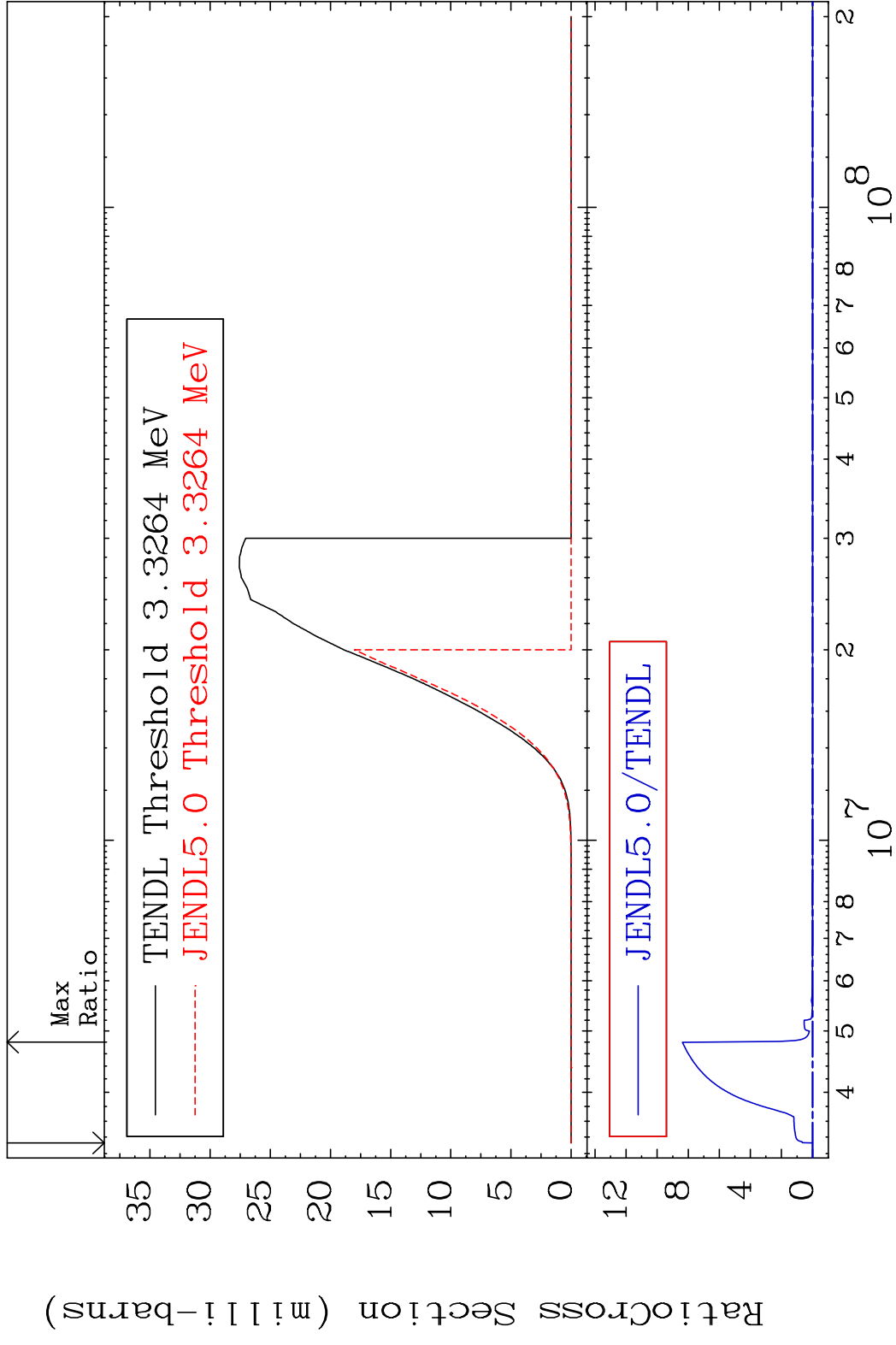


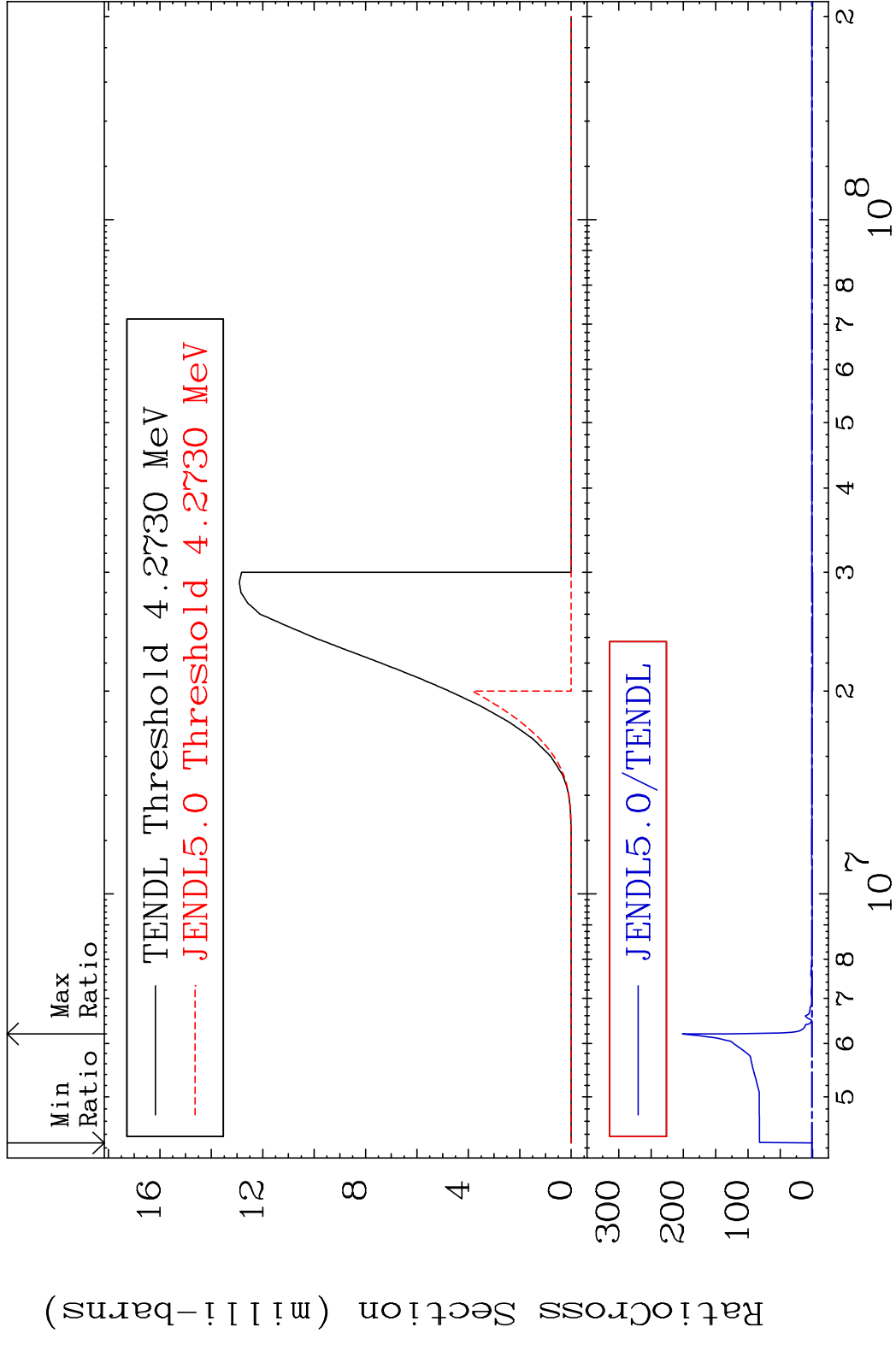
33

Incident Energy (eV)

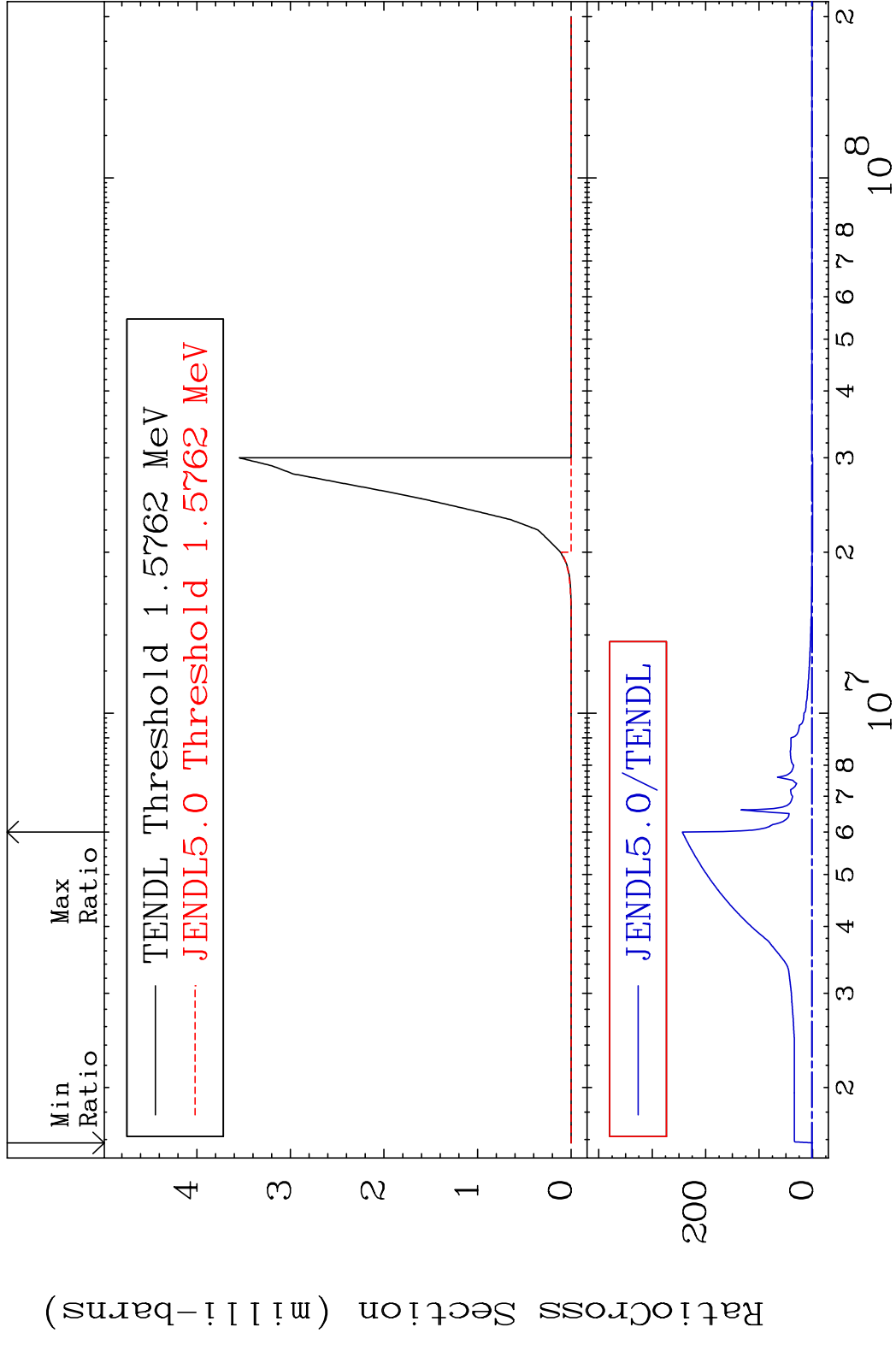
64-Gd-147

MAT 6410 (n,d) 64-Gd-147
 Cross Section -100.0 To 9999. %





MAT 6410 (n, He-3) 64-Gd-147
 Cross Section -100.0 To 9999. %

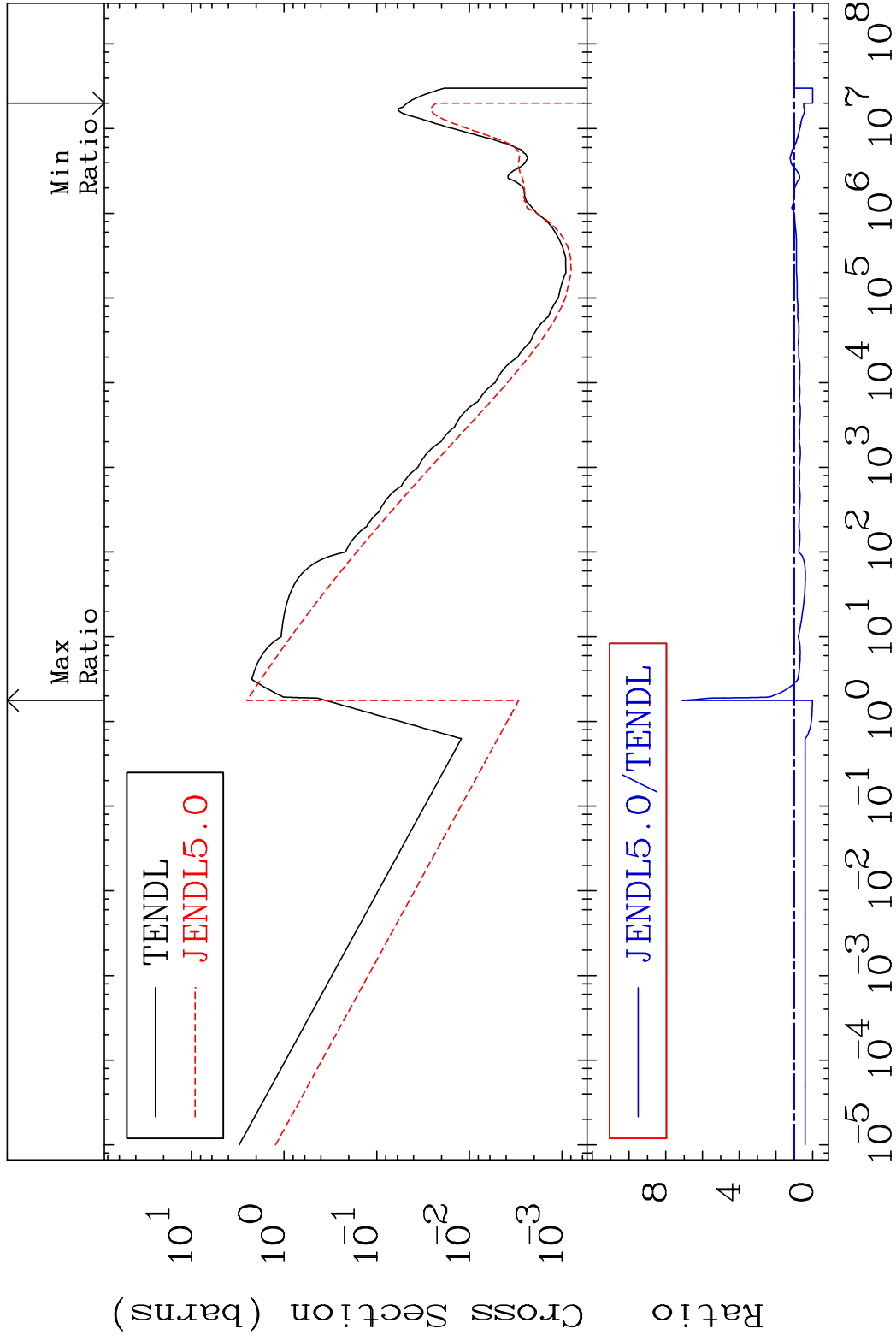


MAT 6410

(n, α)

64-Gd-147

Cross Section -100.0 To 609.6 %



37

Incident Energy (eV)

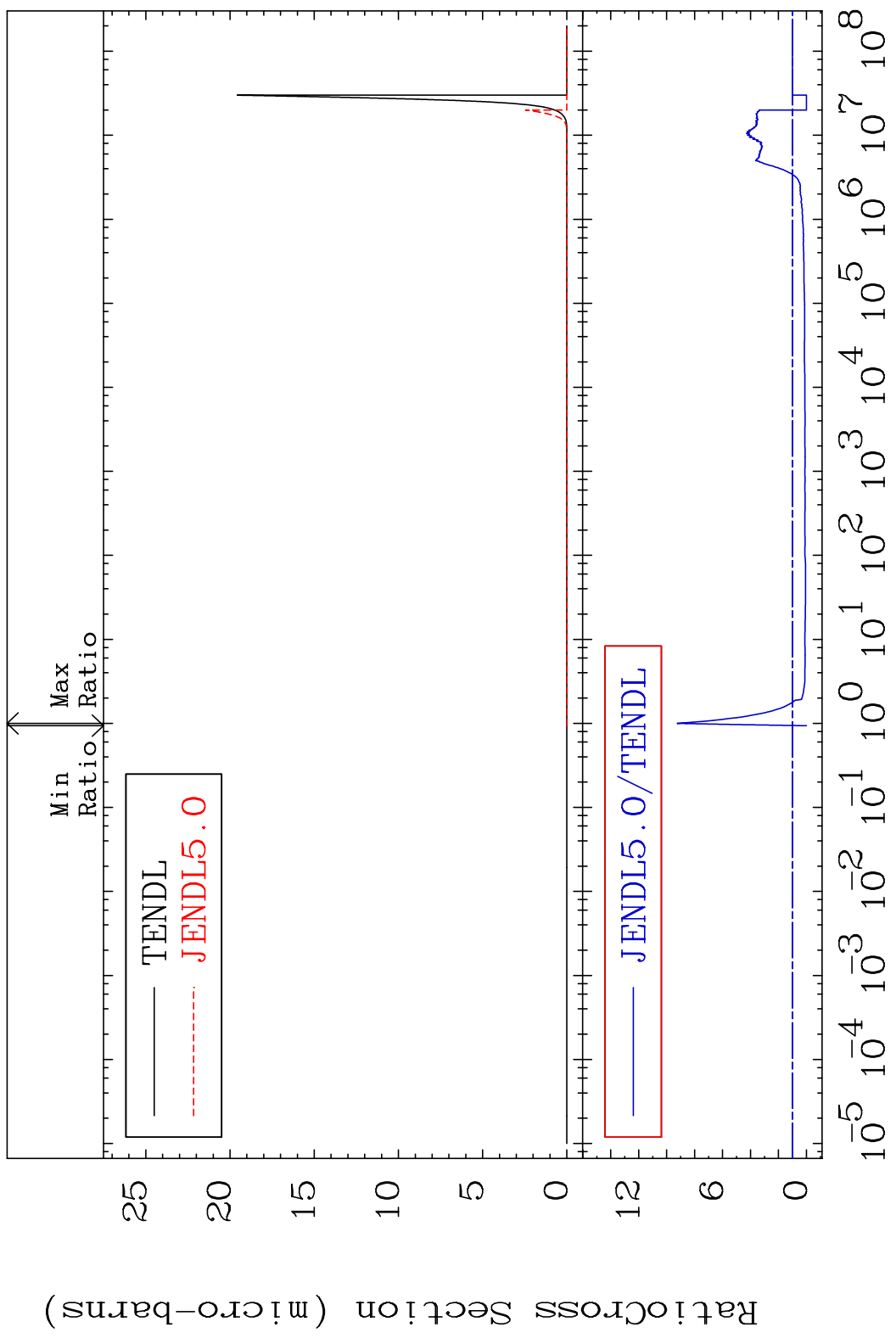
64-Gd-147

MAT 6410

(n, 2α)

64-Gd-147

Cross Section -100.0 To 824.8 %

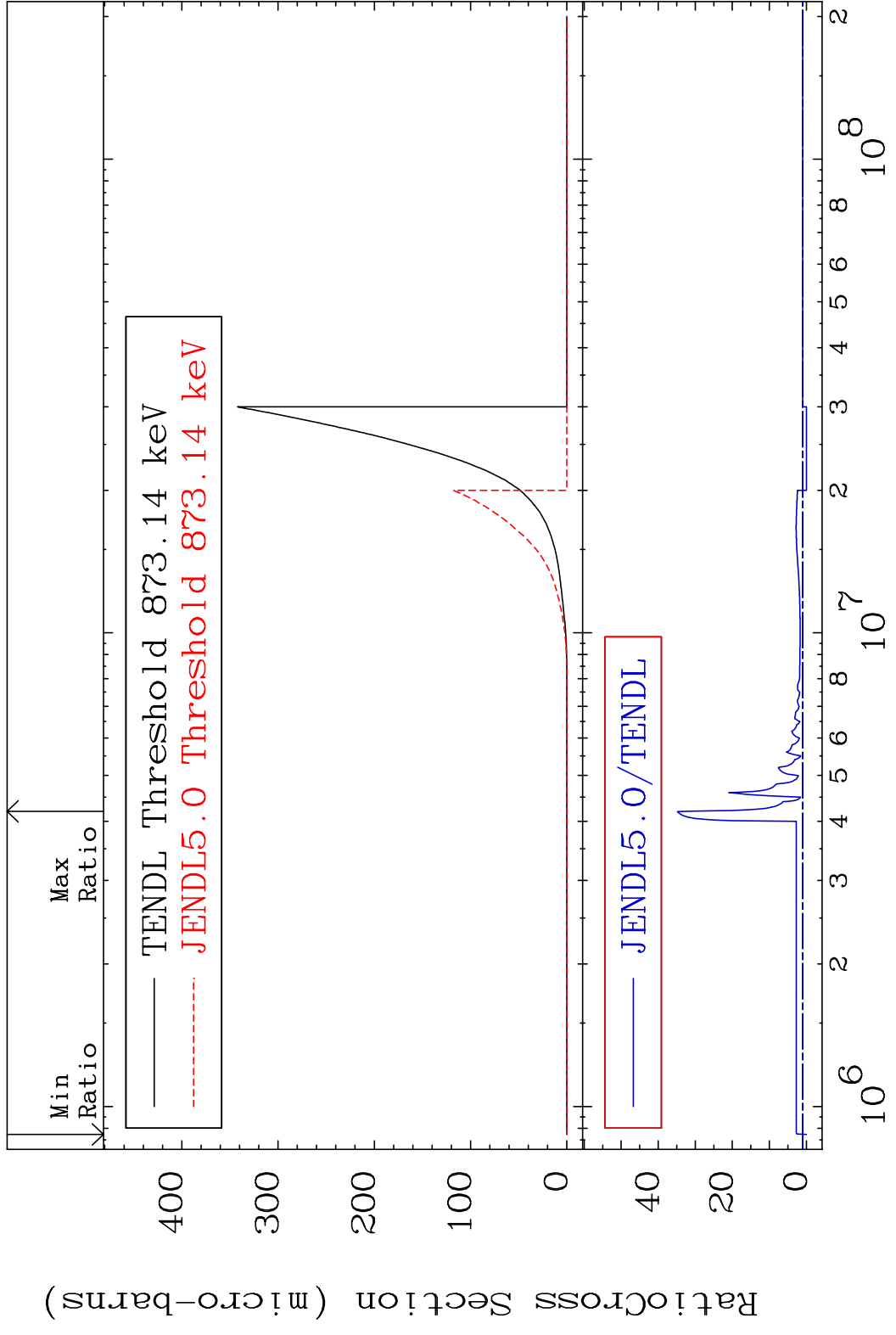


38

Incident Energy (eV)

64-Gd-147

MAT 6410 (n,2p) 64-Gd-147
 Cross Section -100.0 To 3389. %

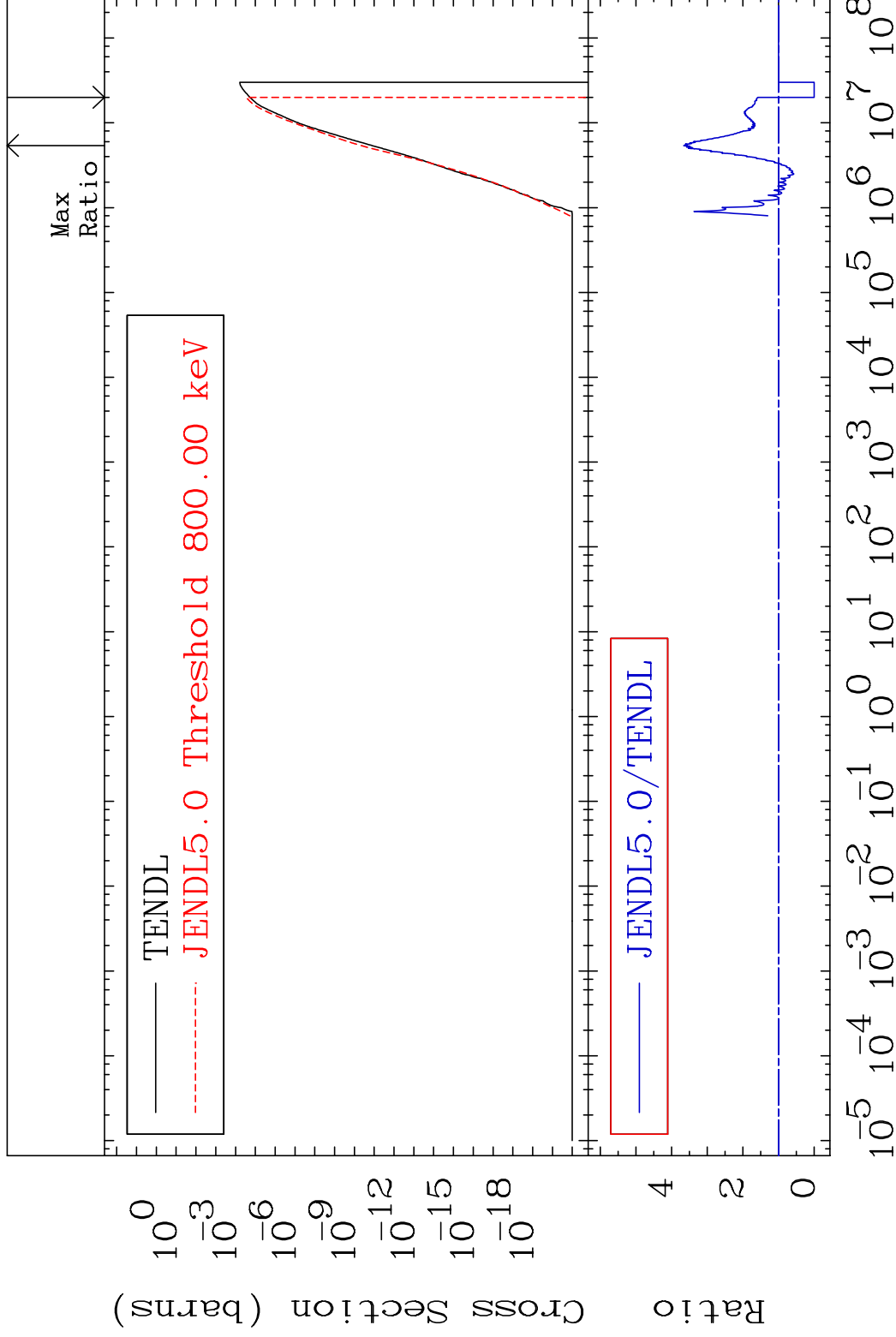


MAT 6410

(n,p) α

64-Gd-147

Cross Section -100.0 To 266.1 %

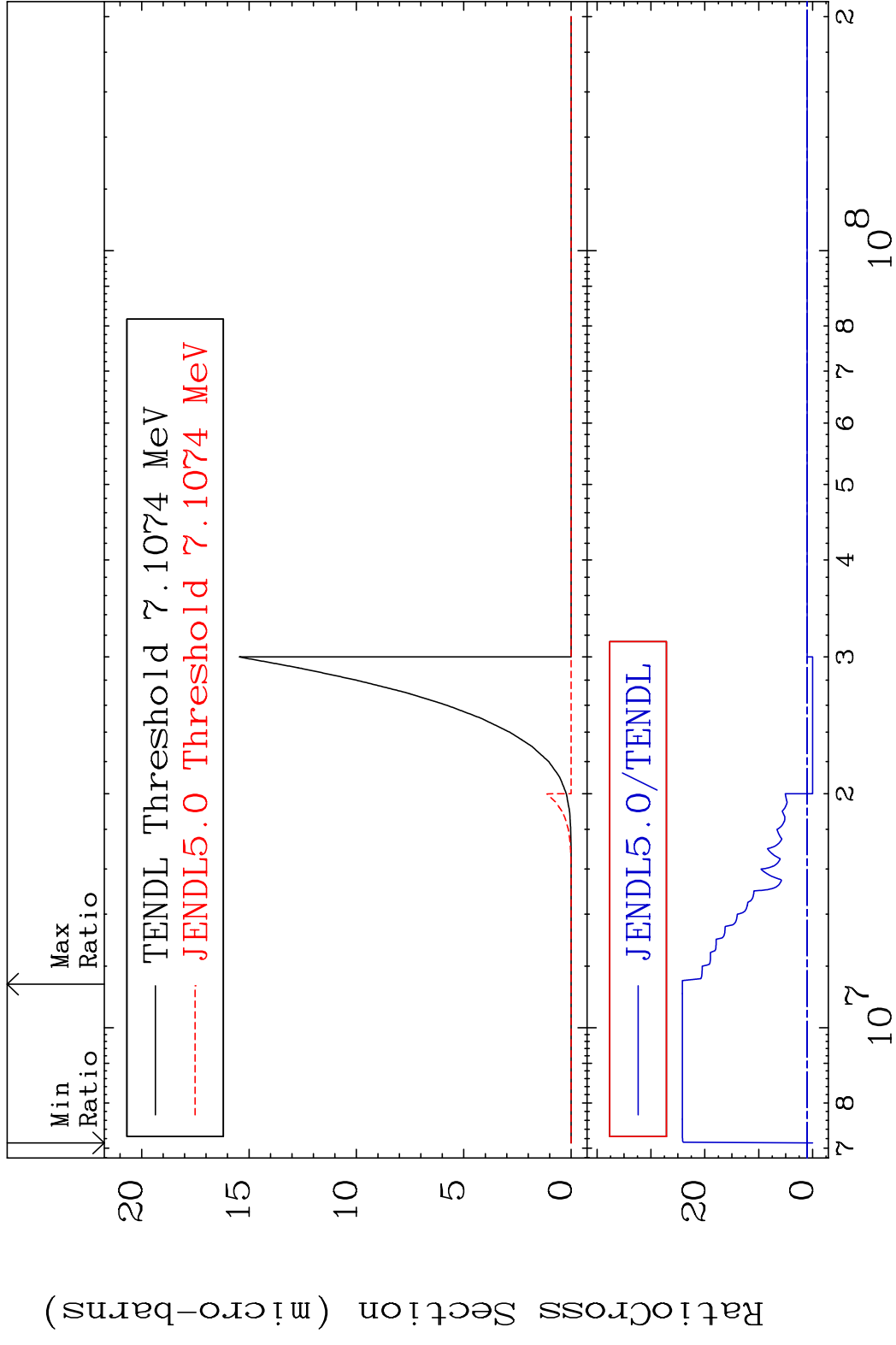


40

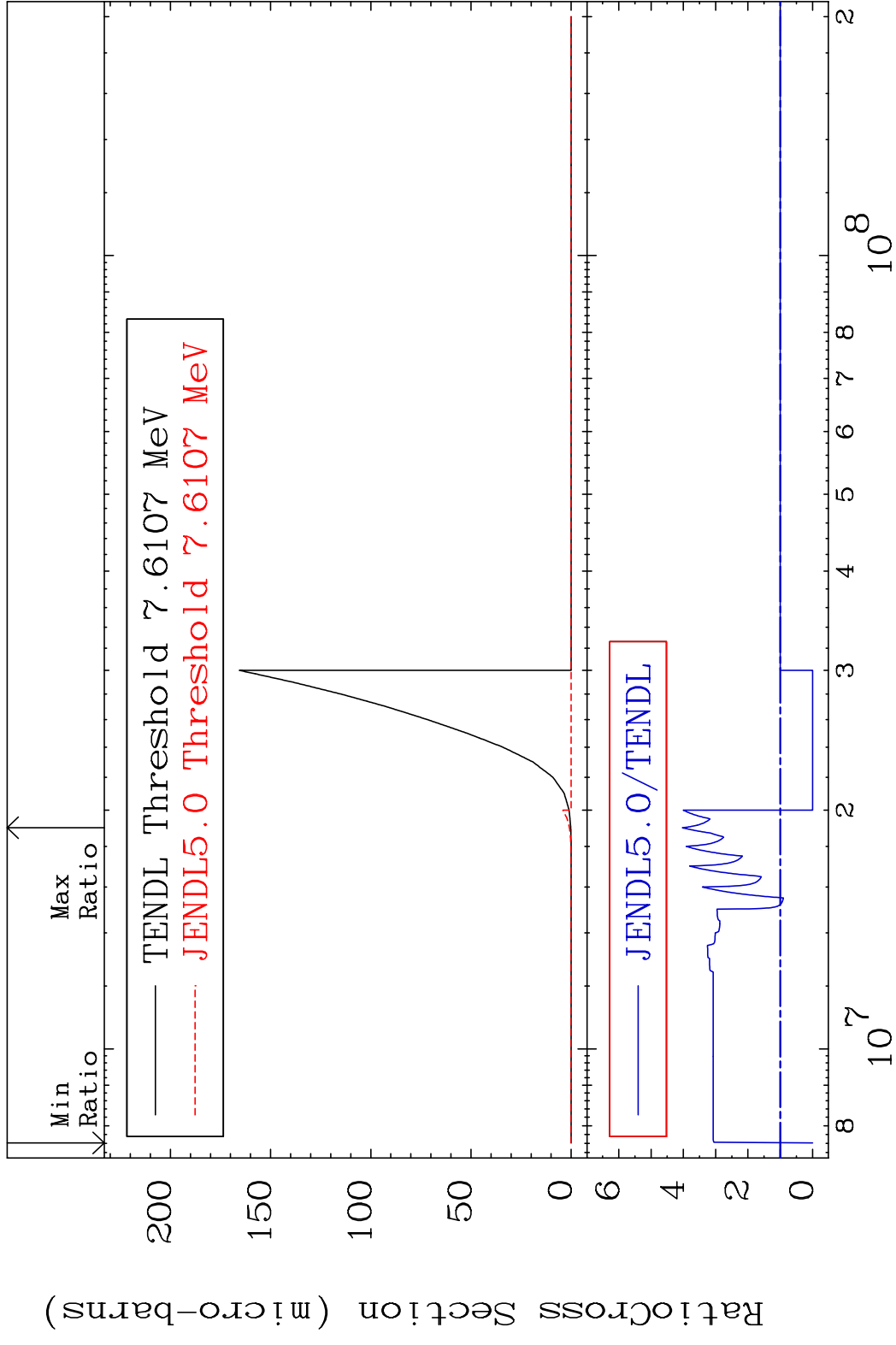
Incident Energy (eV)

64-Gd-147

MAT 6410 (n,p) d 64-Gd-147
 Cross Section -100.0 To 2318. %



MAT 6410 (n,p) t 64-Gd-147
 Cross Section -100.0 To 303.1 %

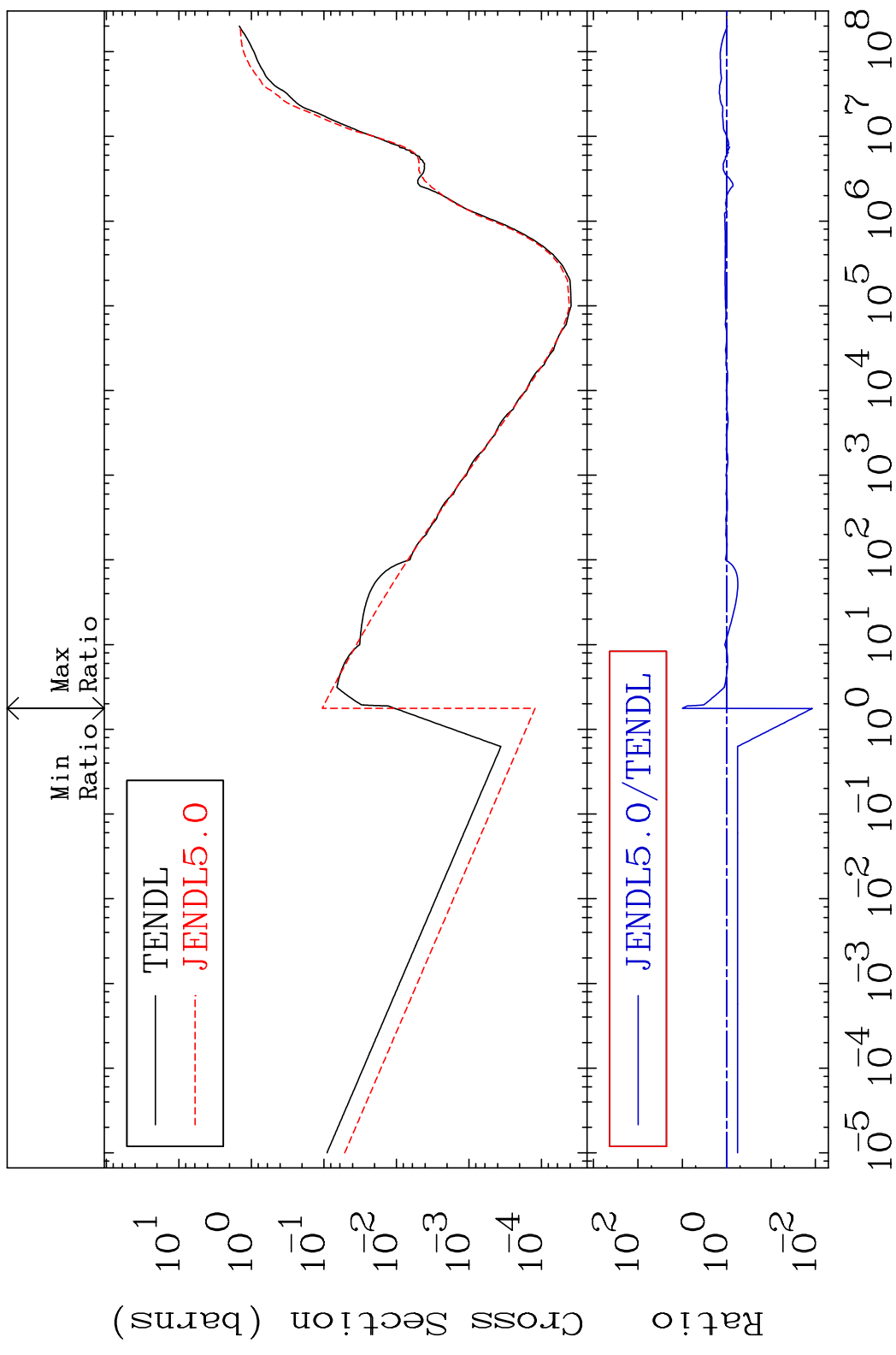


MAT 6410

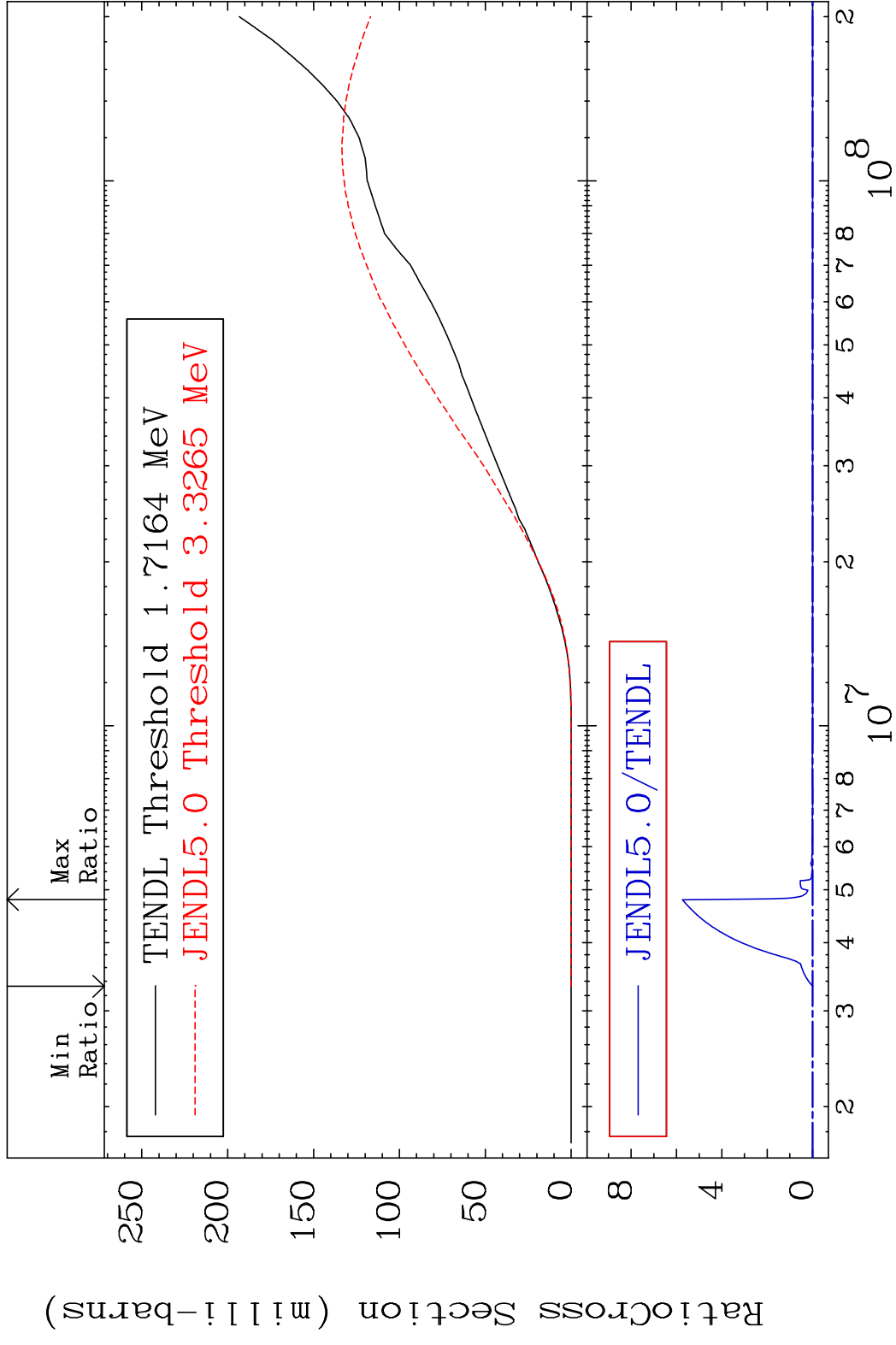
Hydrogen Production

64-Gd-147

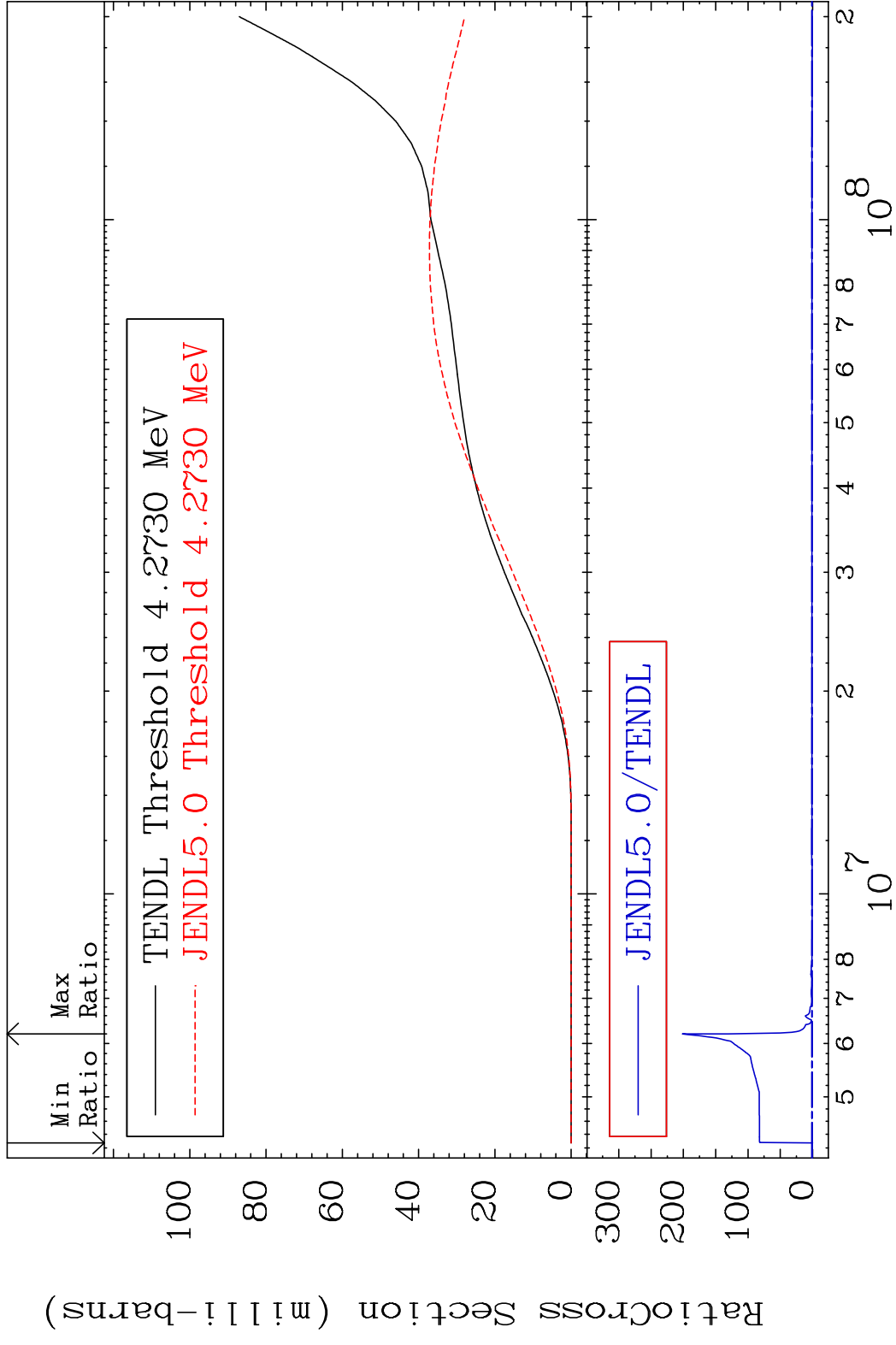
Cross Section -98.84 To 897.0 %



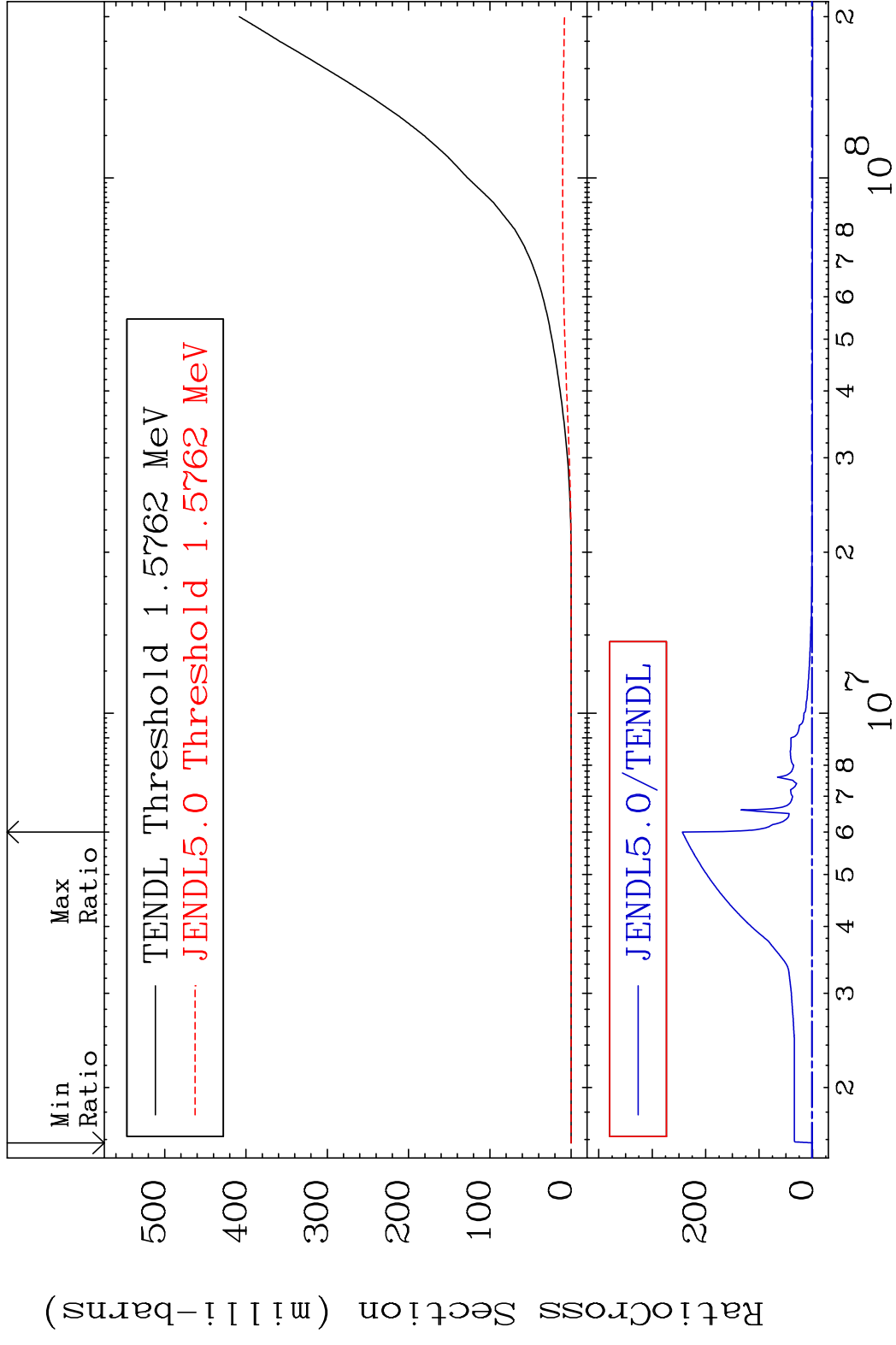
MAT 6410 Deuterium Production 64-Gd-147
 Cross Section -100.0 To 9999. %



MAT 6410 Tritium Production 64-Gd-147
 Cross Section -100.0 To 9999. %



MAT 6410 He-3 Production 64-Gd-147
 Cross Section -100.0 To 9999. %

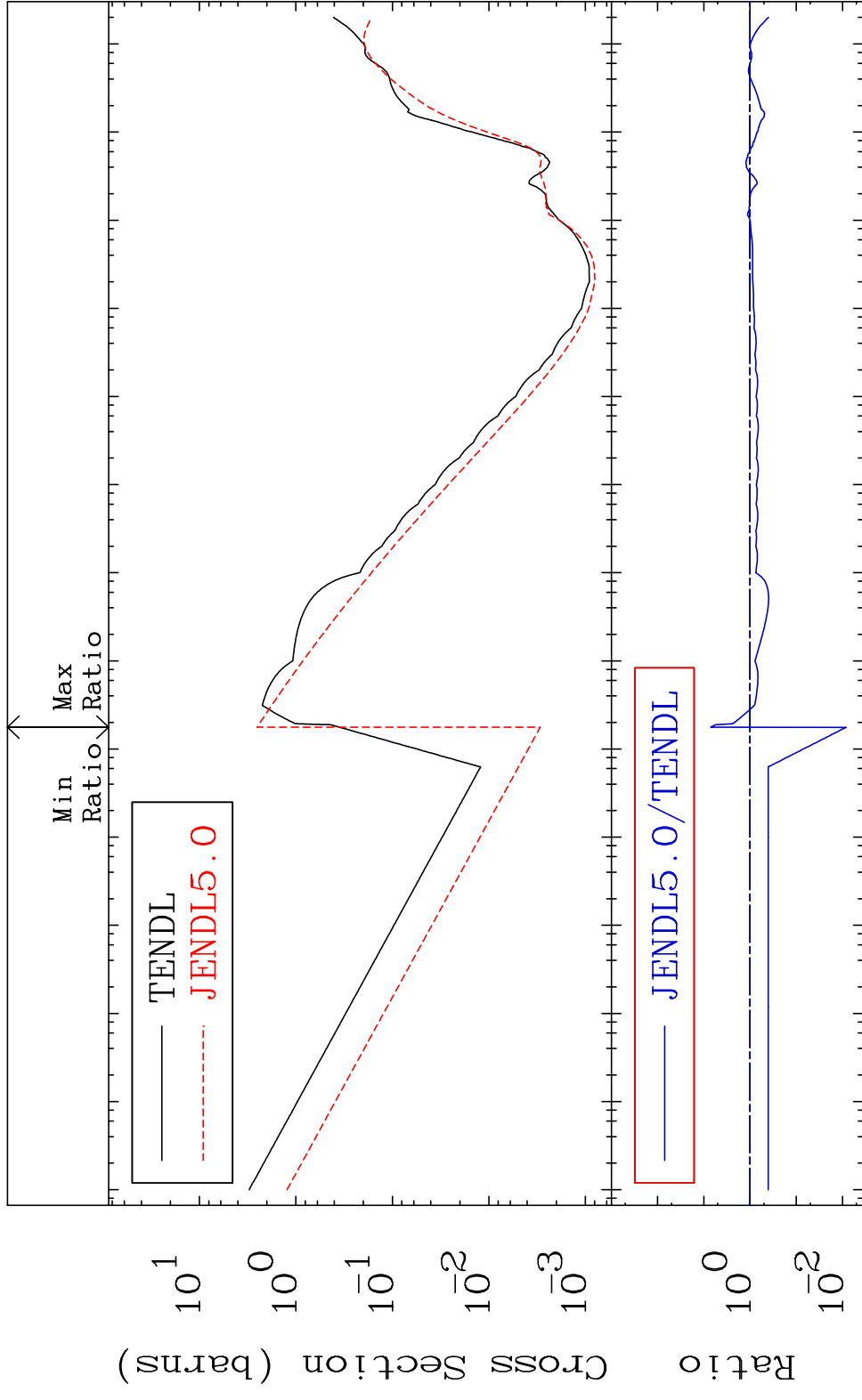


MAT 6410

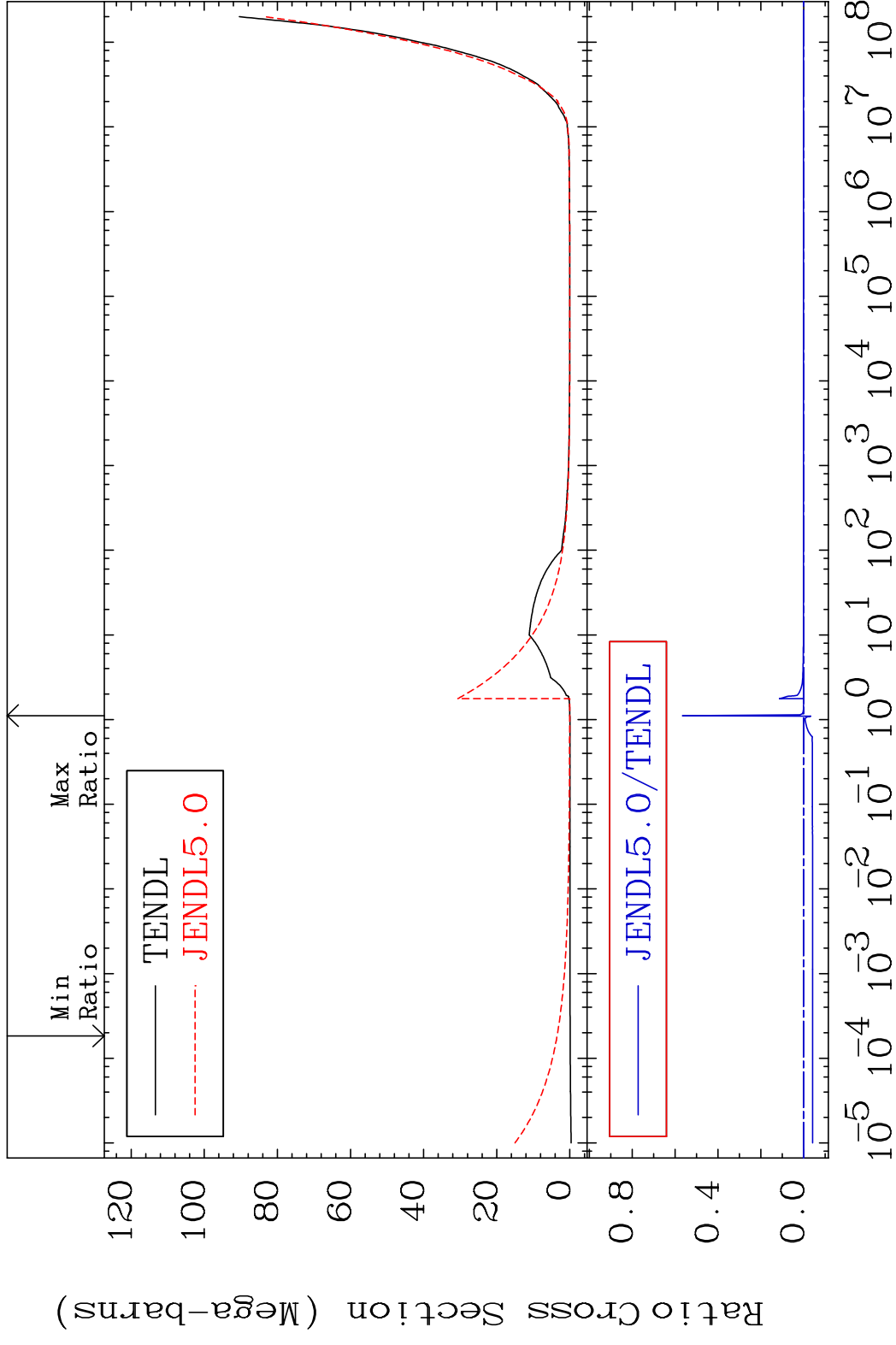
He-4 Production

64-Gd-147

Cross Section -99.17 To 609.6 %



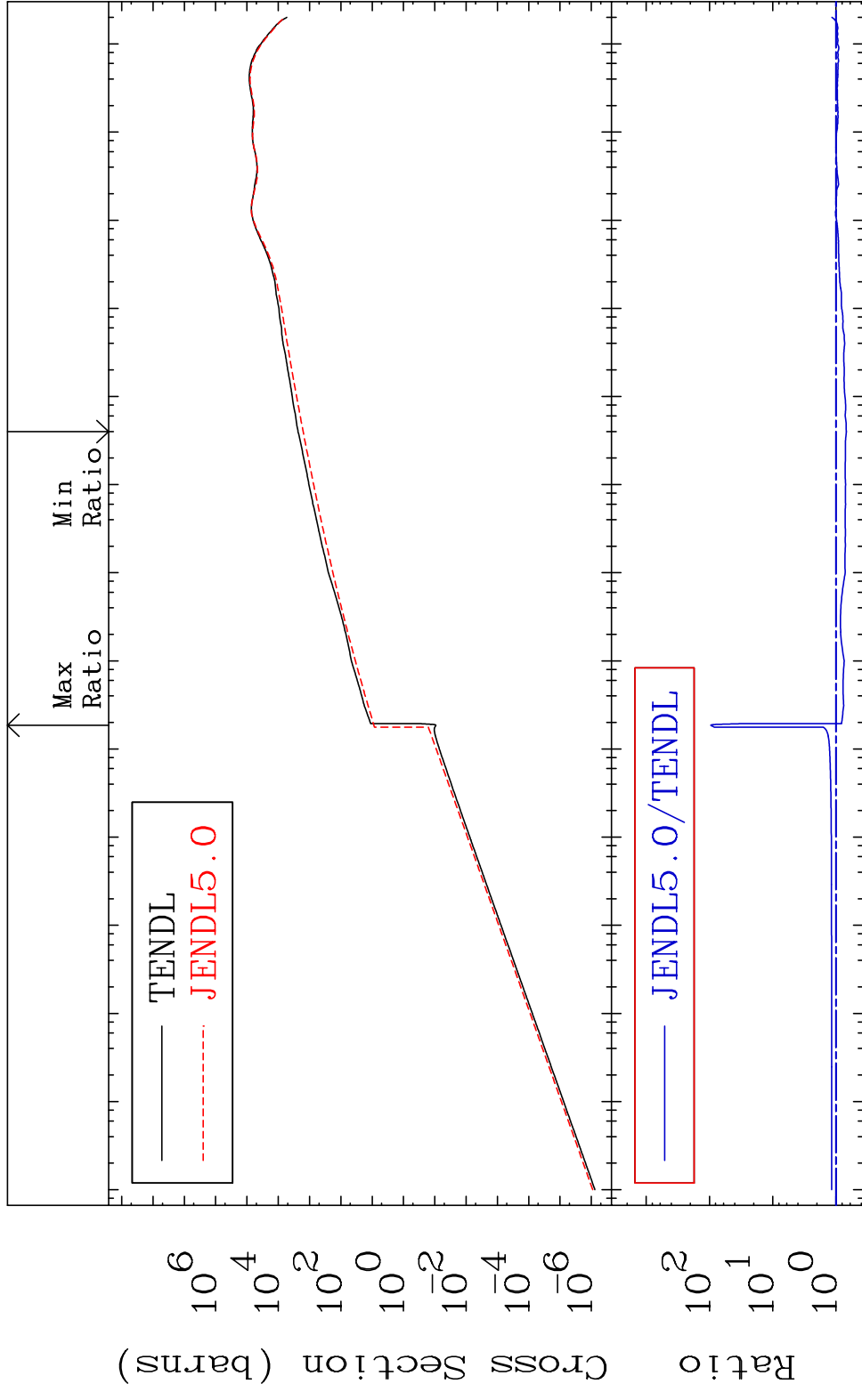
MAT 6410 Kerma total (eV-barns) 64-Gd-147
 Cross Section -4240. To 9999. %



MAT 6410

Kerma elastic
Cross Section -31.21 To 9449. %

64-Gd-147

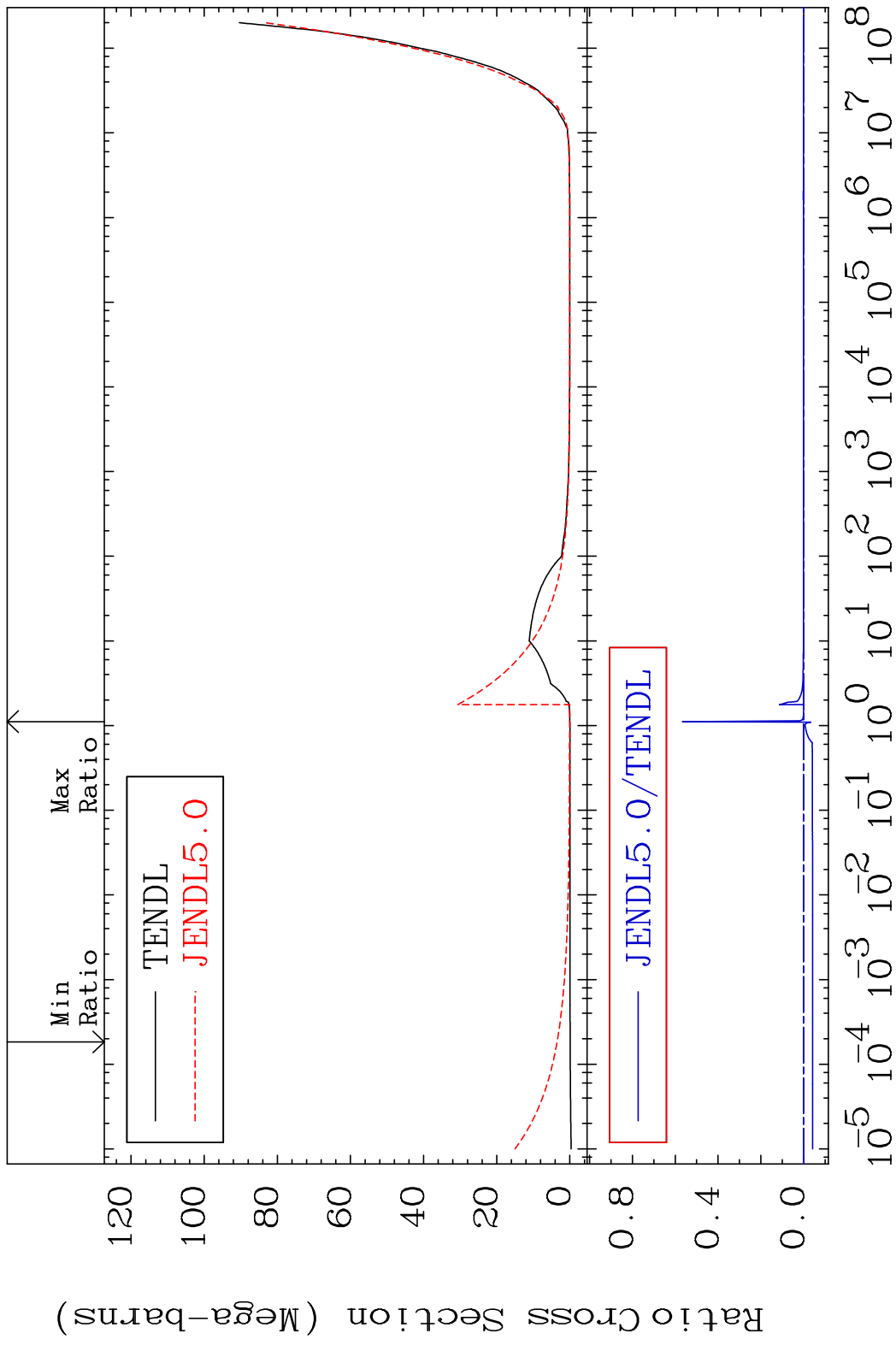


49

Incident Energy (eV)

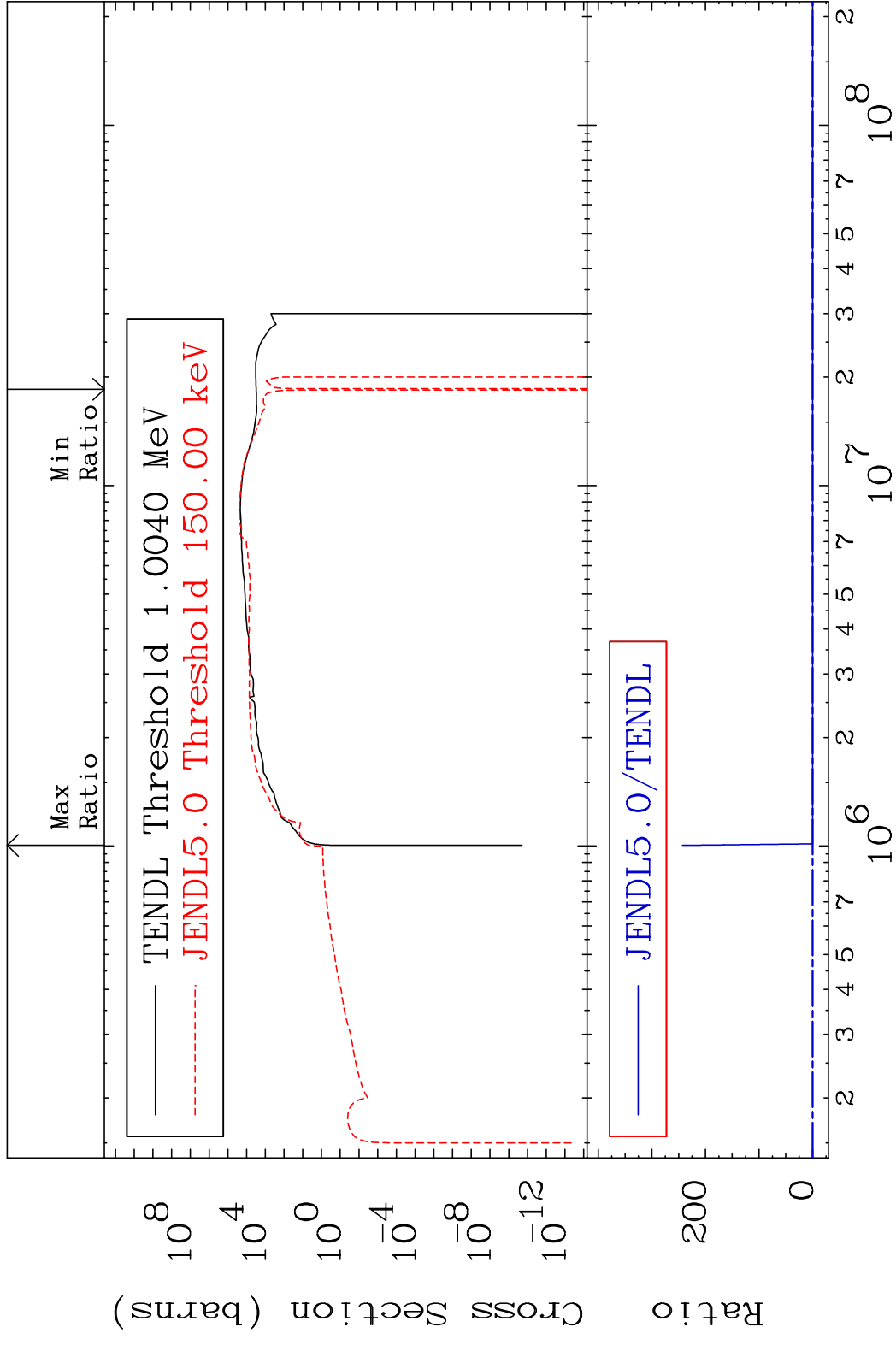
64-Gd-147

MAT 6410 Kerma non-elastic (all but mt2) 64-Gd-147
Cross Section -4240. To 9999. %

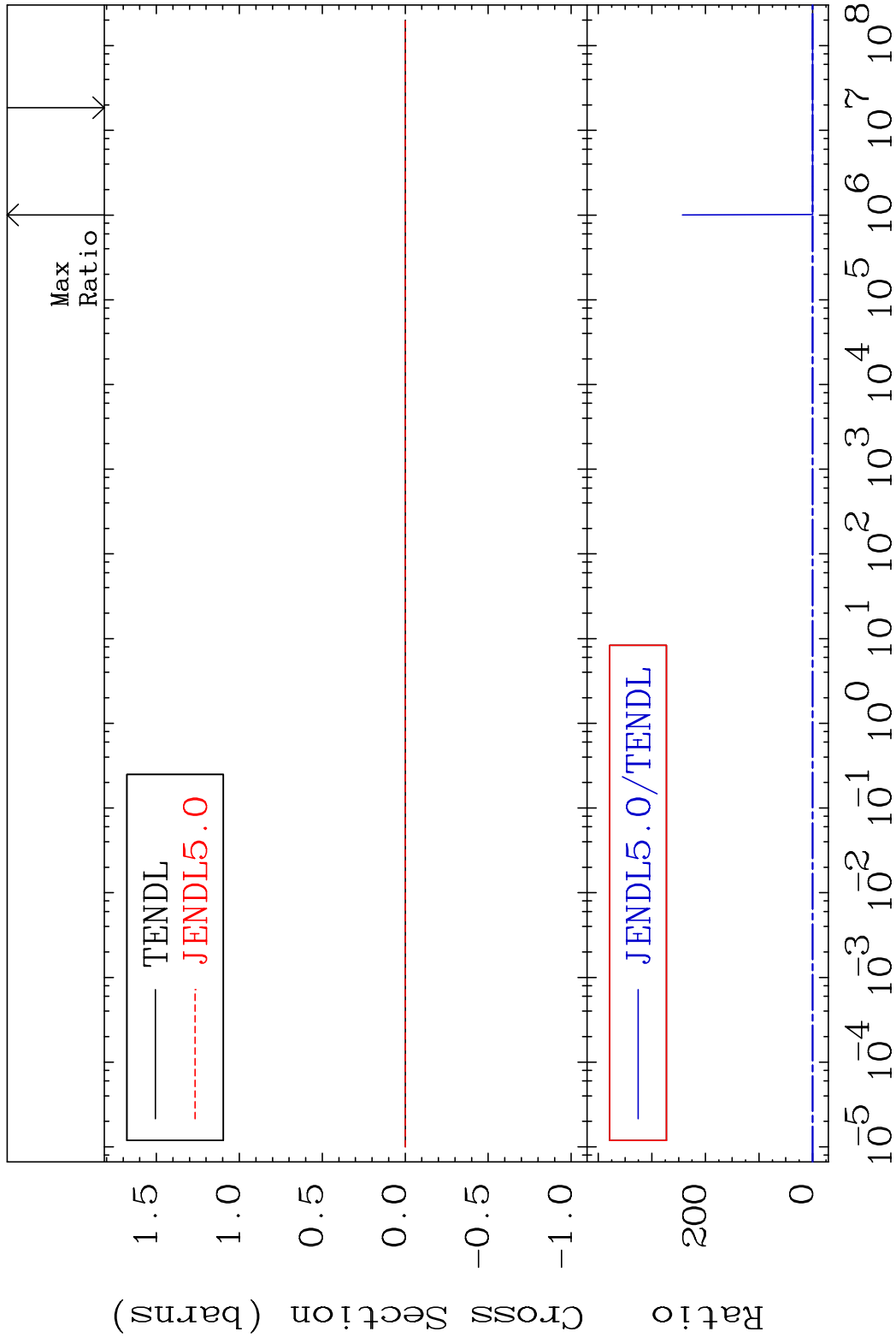


50 Incident Energy (eV) 64-Gd-147

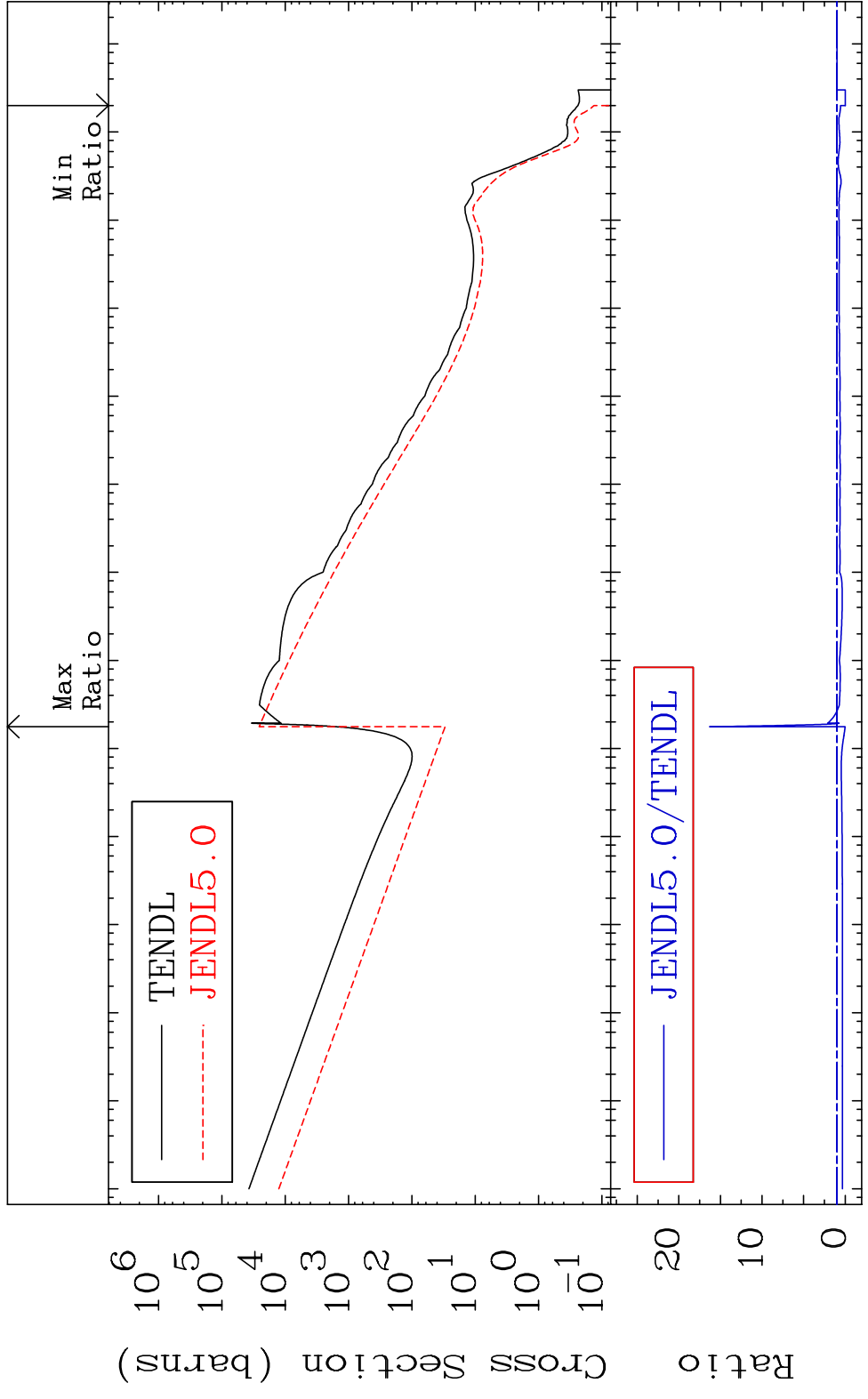
MAT 6410 Kerma inelastic (mt51-91) 64-Gd-147
 Cross Section -105.2 To 9999. %



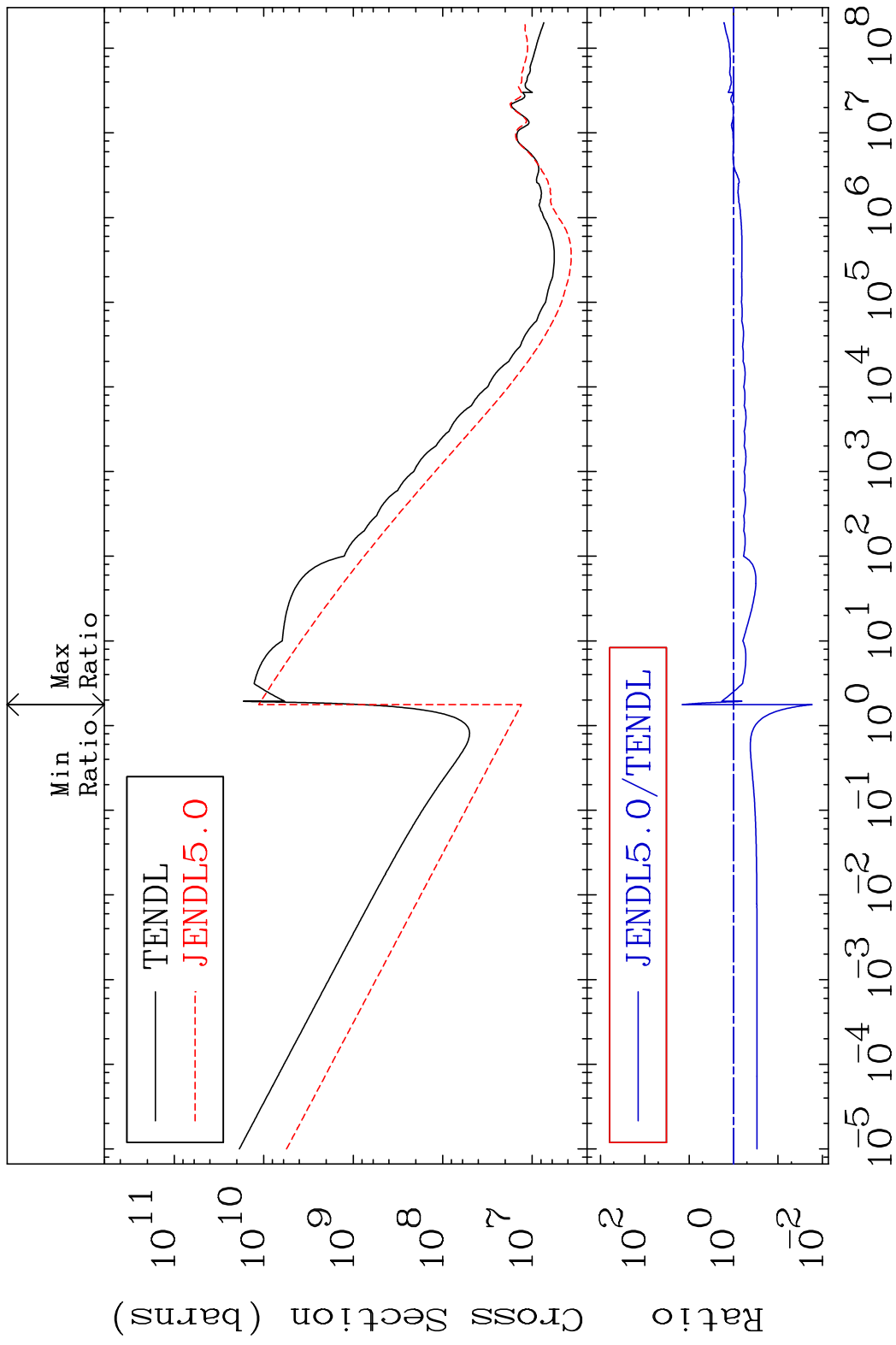
MAT 6410 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-147
 Cross Section -105.2 To 9999. %



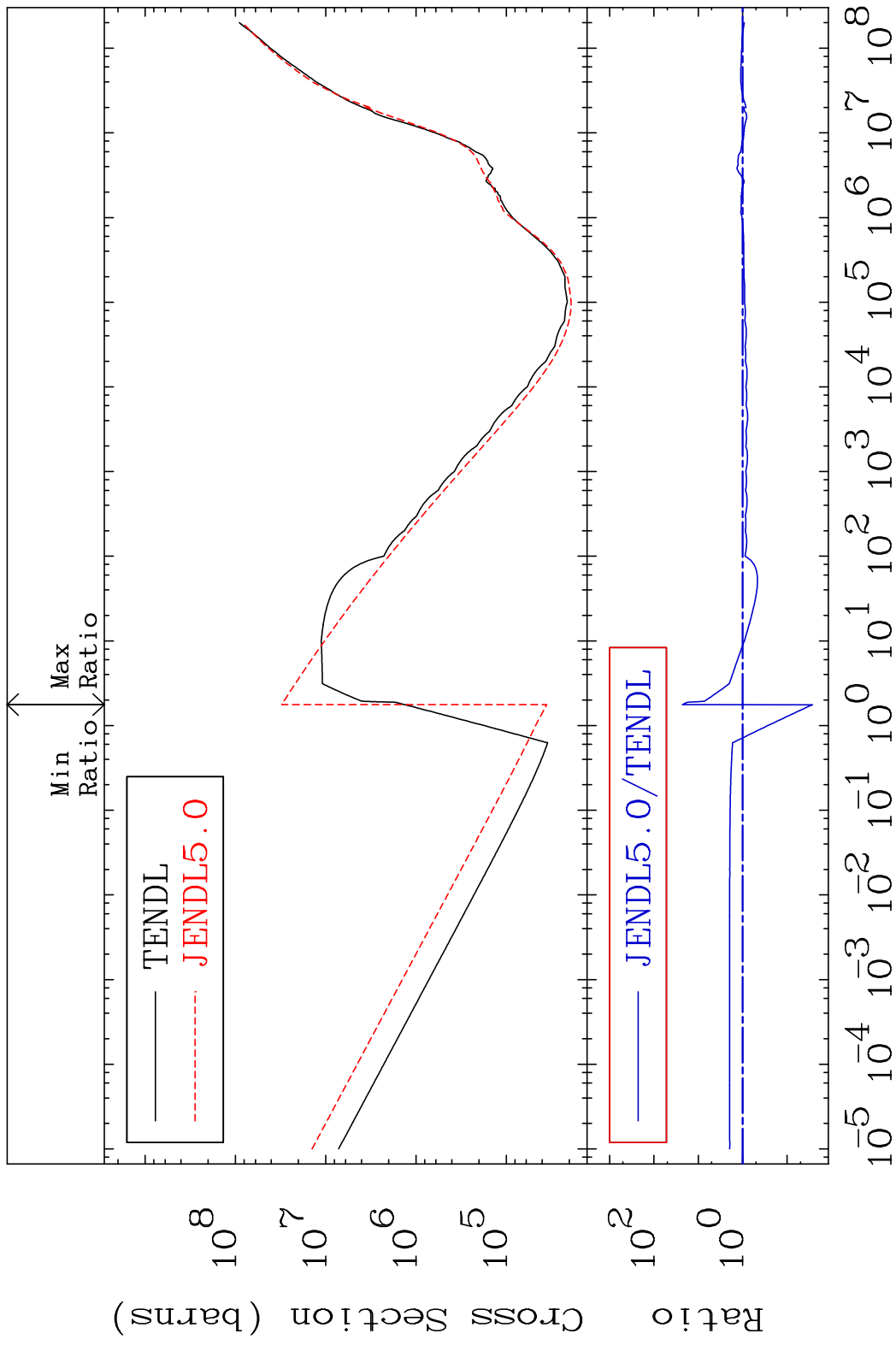
MAT 6410 Kerma capture (mt102) 64-Gd-147
 Cross Section -100.0 To 1528. %



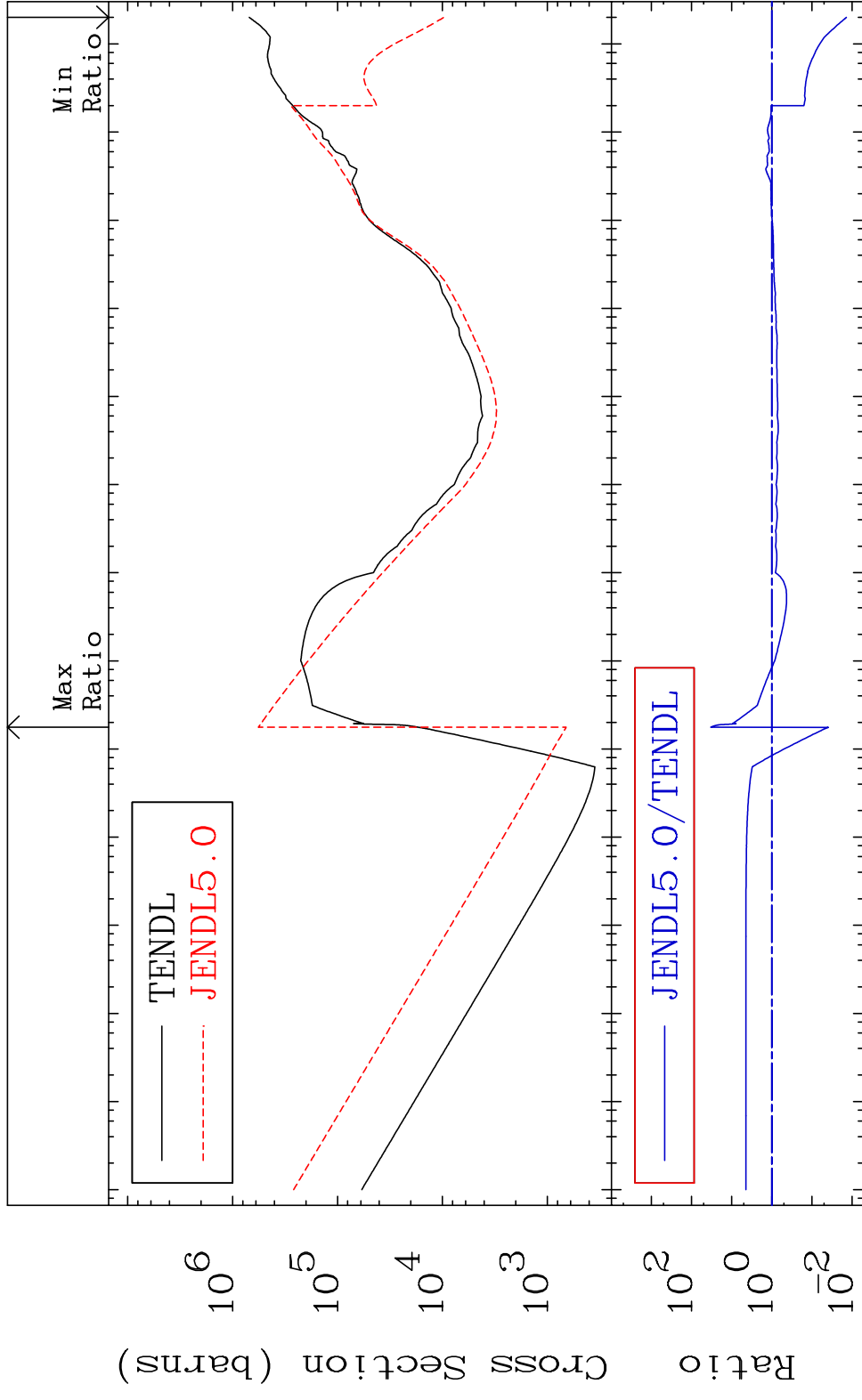
MAT 6410 Total photon (eV-barns) 64-Gd-147
 Cross Section -98.34 To 1326. %



MAT 6410 Total kinematic kerma (high limit) 64-Gd-147
 Cross Section -97.34 To 2189. %



MAT 6410 Dpa total (eV-barns) 64-Gd-147
 Cross Section -98.60 To 3239. %



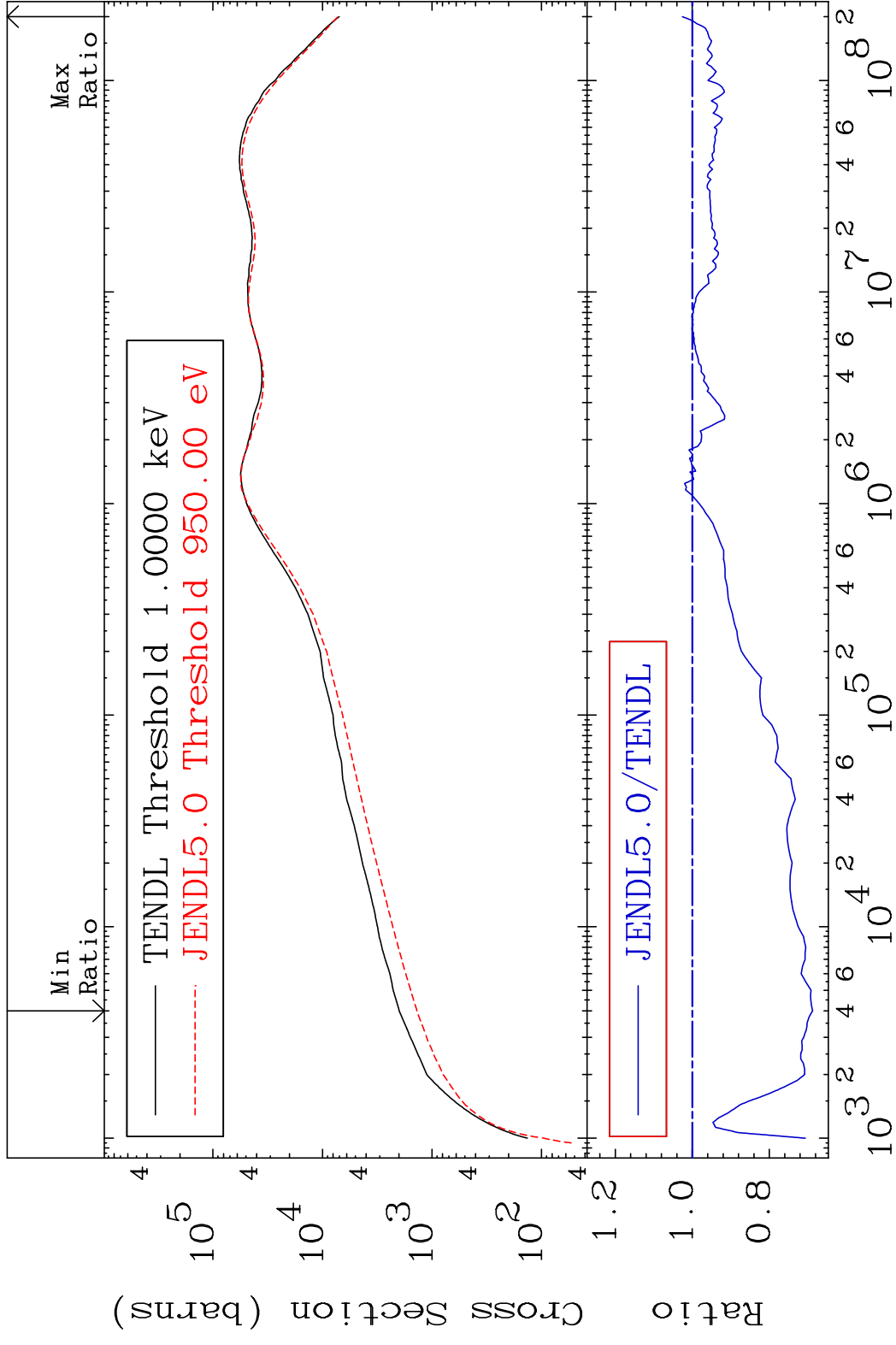
56 Incident Energy (eV) 64-Gd-147

MAT 6410

Dpa elastic (mt2)

64-Gd-147

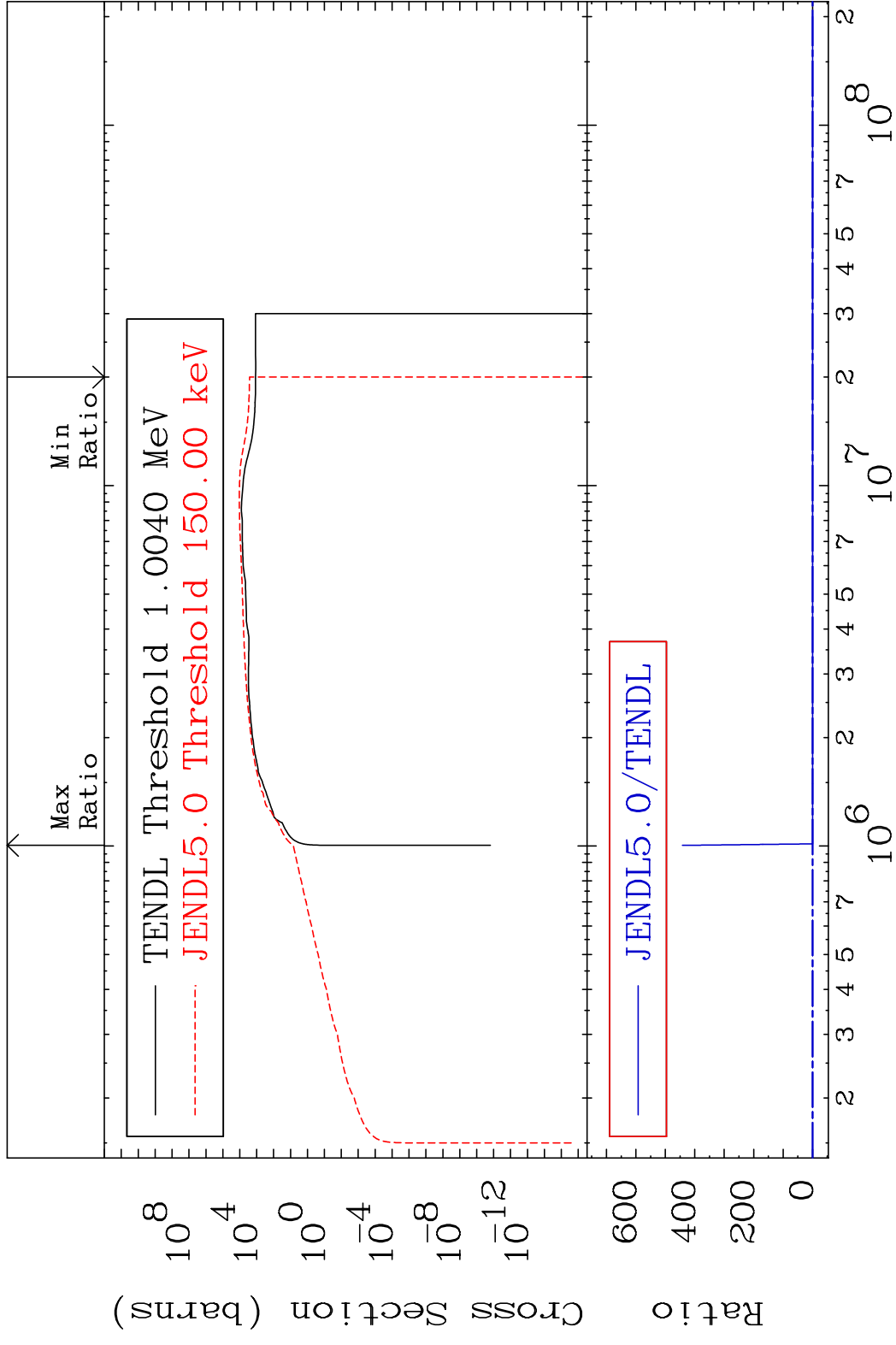
Cross Section -31.21 To 2.580 %



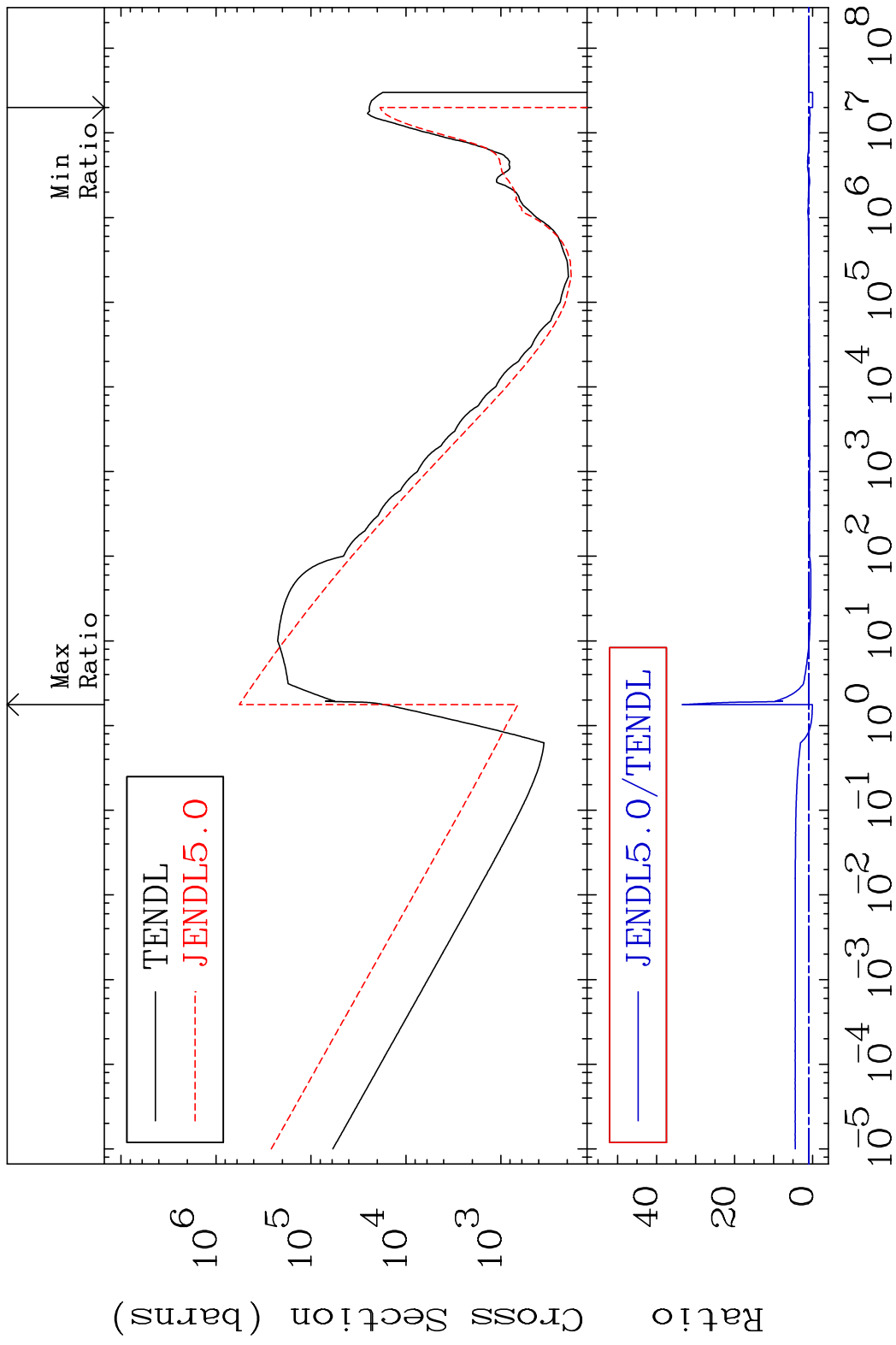
57

Incident Energy (eV)

64-Gd-147



MAT 6410 Dpa disappearance (mt102 -120) 64-Gd-147
 Cross Section -100.0 To 3239. %



MAT 6410 (n,3n):64-Gd-145g 64-Gd-147
 Radionuclide Production Cross Section 18.700 MeV 0.000 %

