

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

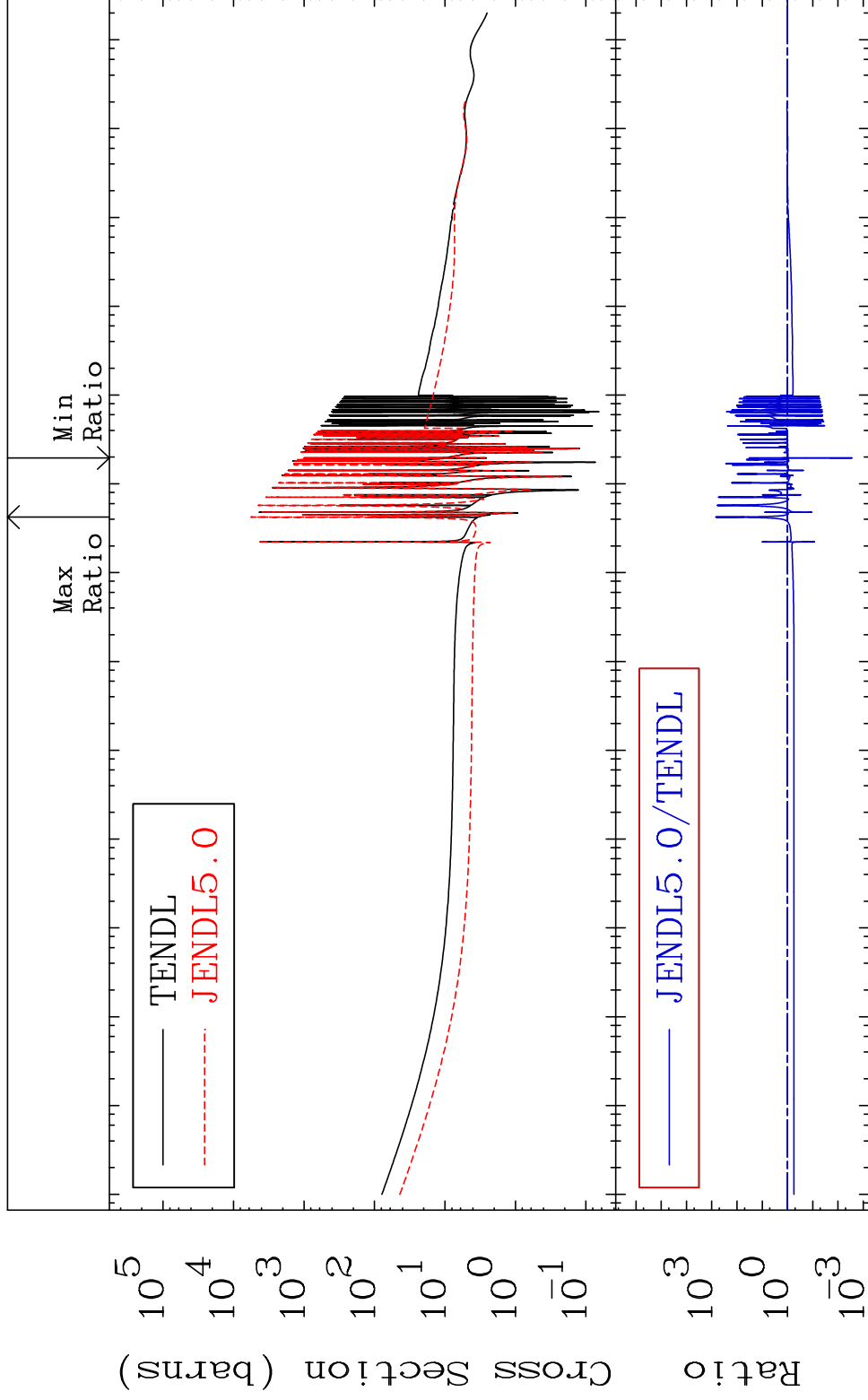
MAT 6449

Total

64-Gd-160

Cross Section

-99.73 To 9999. %



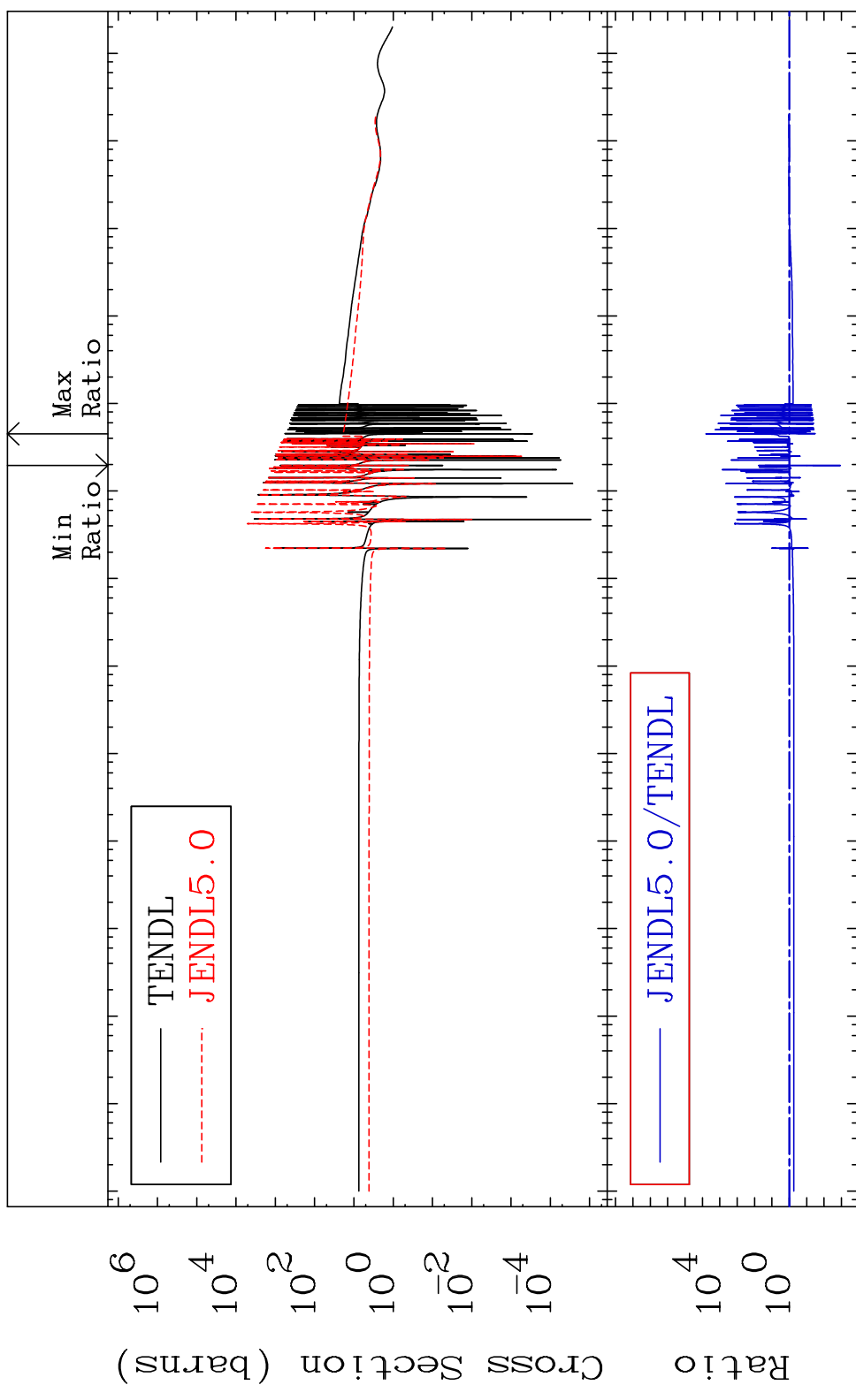
1

Incident Energy (eV)

64-Gd-160

MAT 6449

Elastic Cross Section -99.89 To 9999. % 64-Gd-160



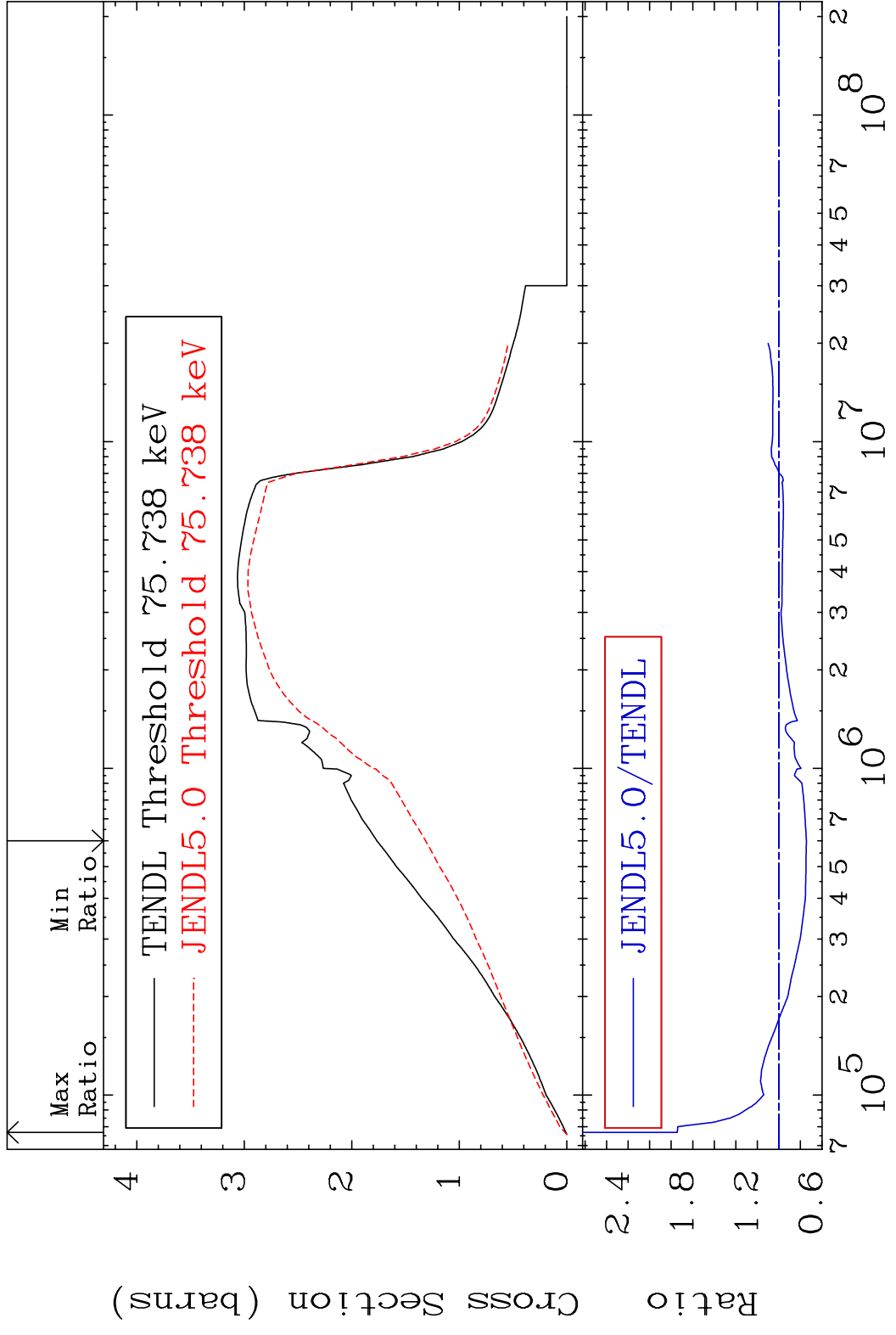
MAT 6449

Inelastic

64-Gd-160

Cross Section

-25.69 To 94.45 %



3

Incident Energy (eV)

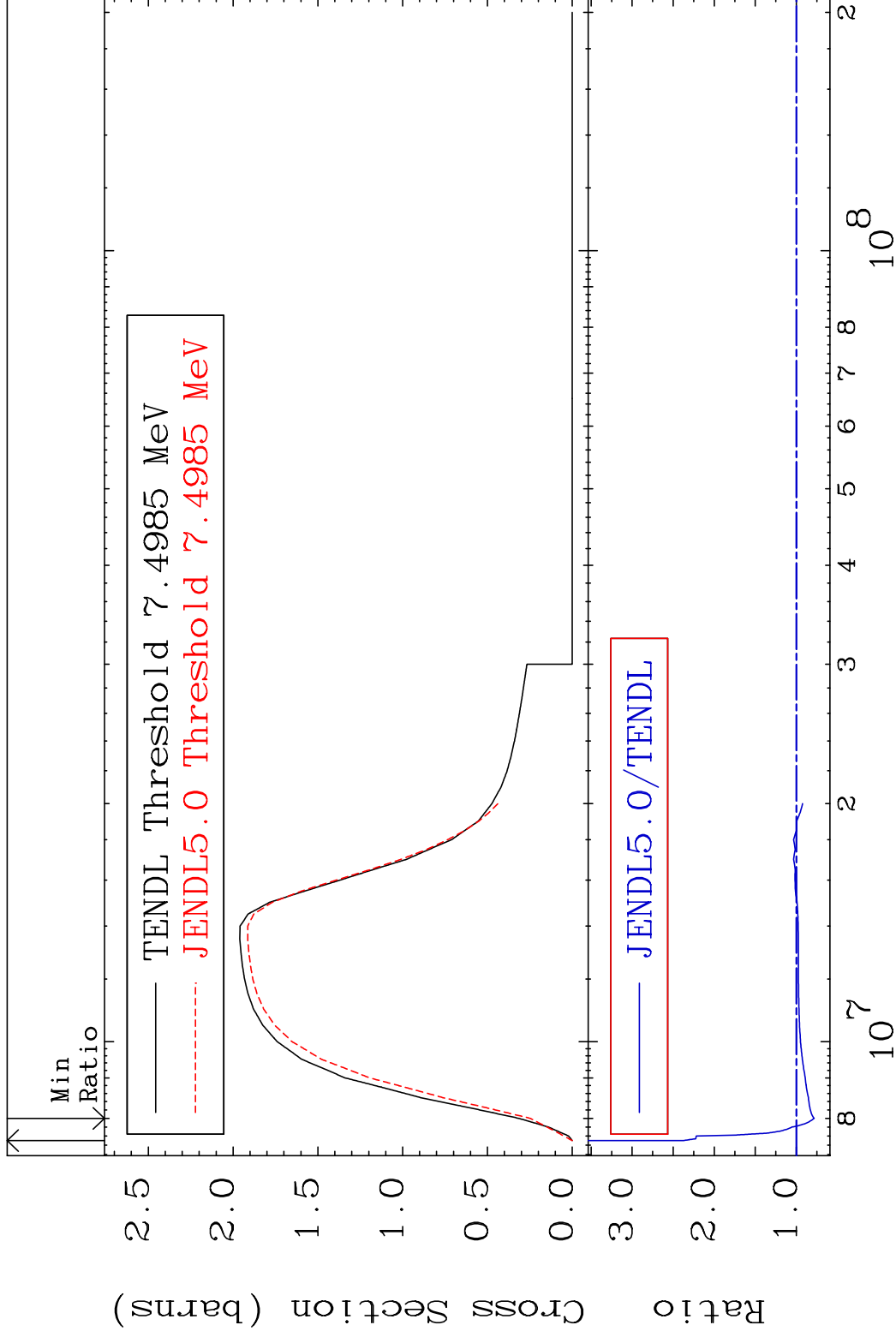
64-Gd-160

MAT 6449

(n,2n)

64-Gd-160

Cross Section -21.61 To 137.3 %



4

Incident Energy (eV)

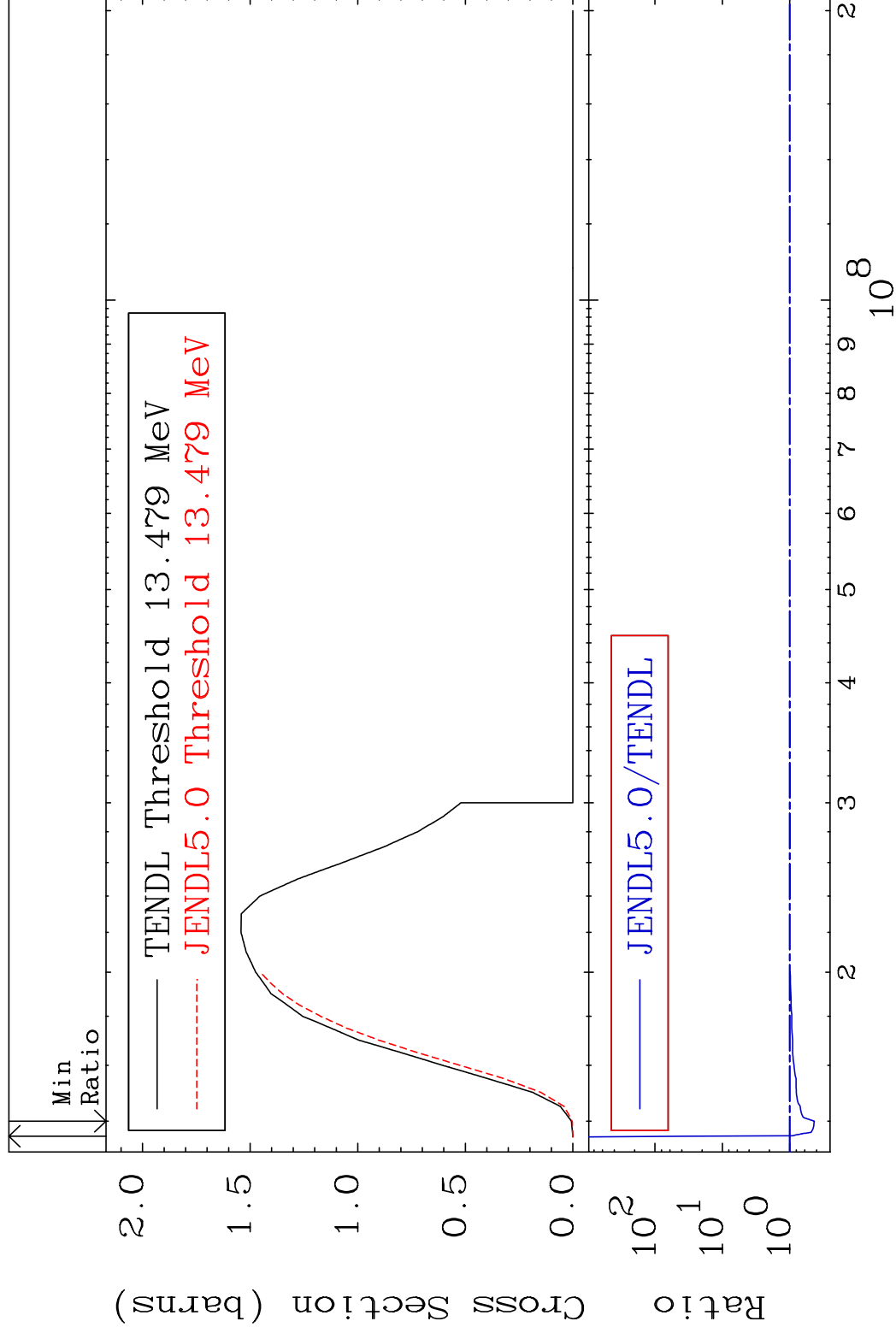
64-Gd-160

MAT 6449

(n,3n)

64-Gd-160

Cross Section -56.69 To 3598. %



5

Incident Energy (eV)

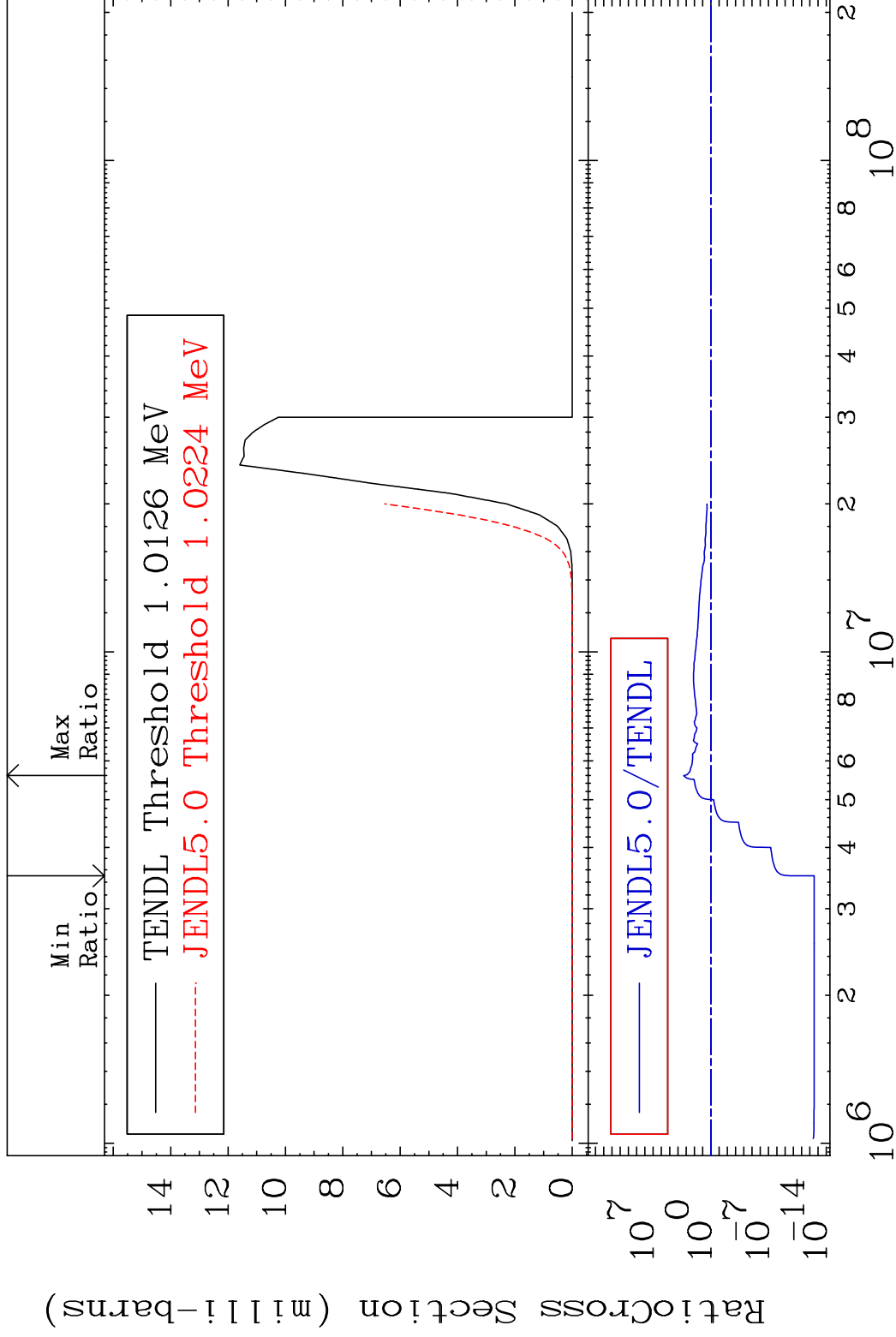
64-Gd-160

MAT 6449

(n, n') α

64-Gd-160

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

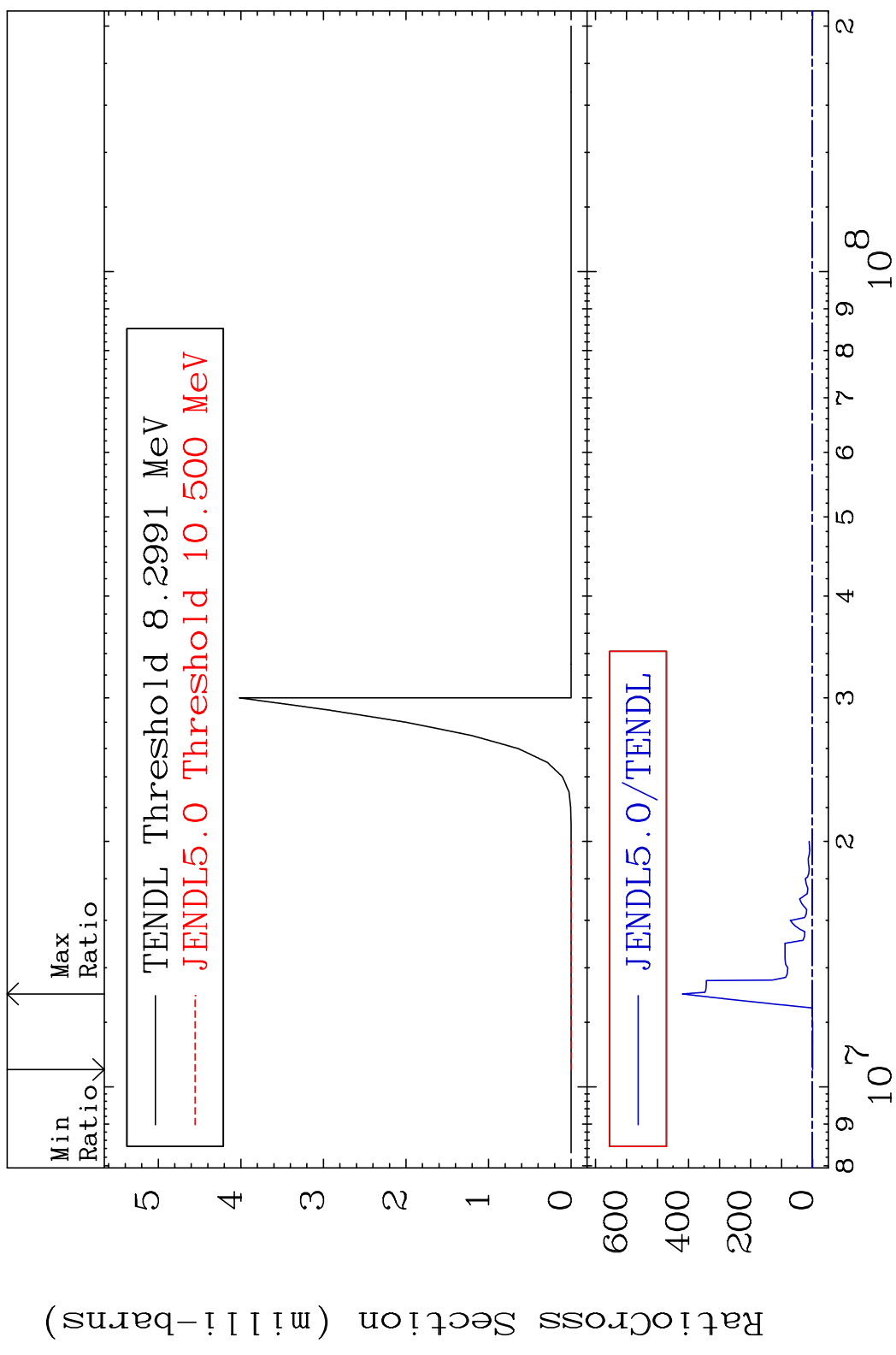
64-Gd-160

MAT 6449

(n,2n) α

64-Gd-160

Cross Section -100.0 To 9999. %

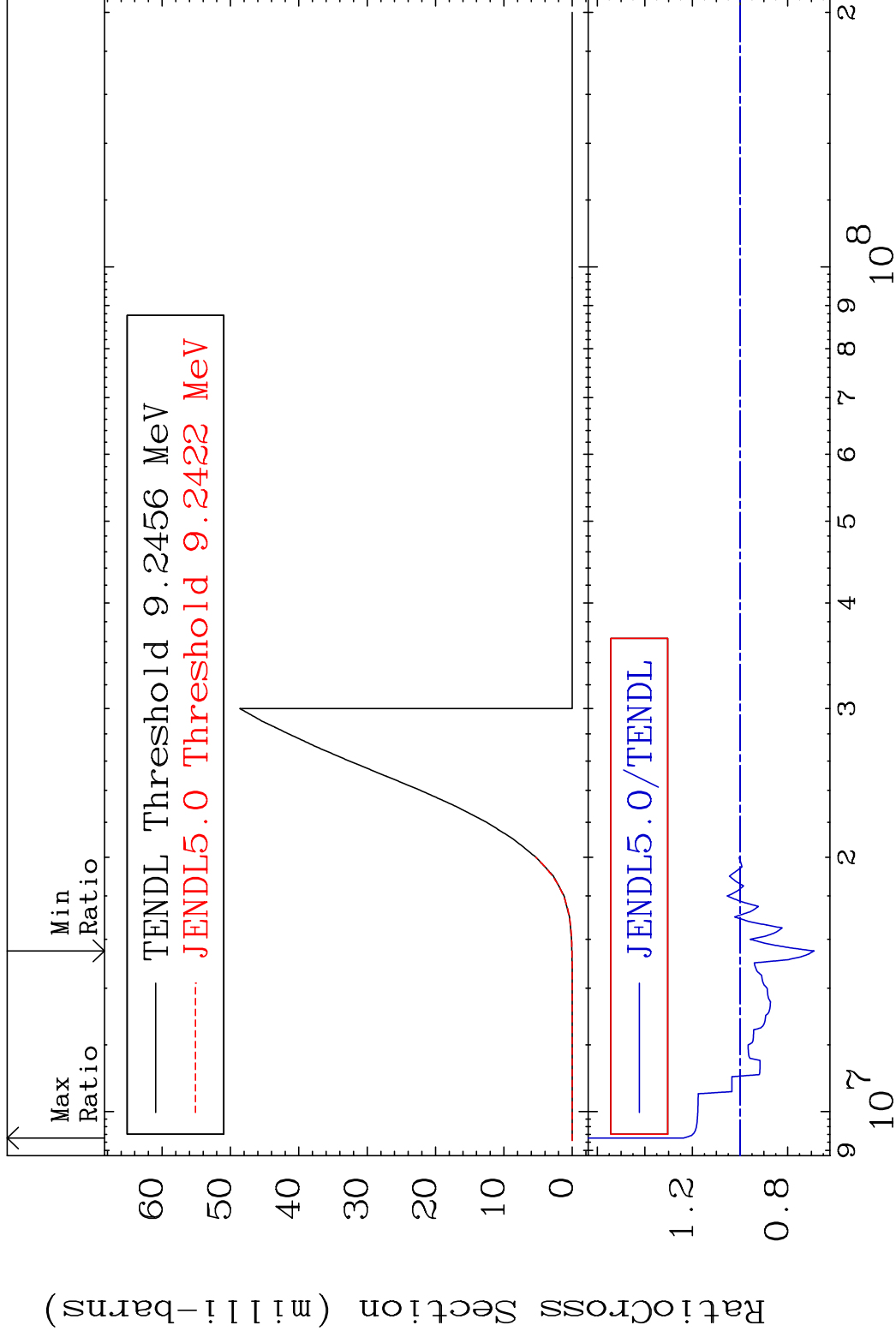


MAT 6449

(n, n') p

64-Gd-160

Cross Section -31.13 To 23.71 %



8

Incident Energy (eV)

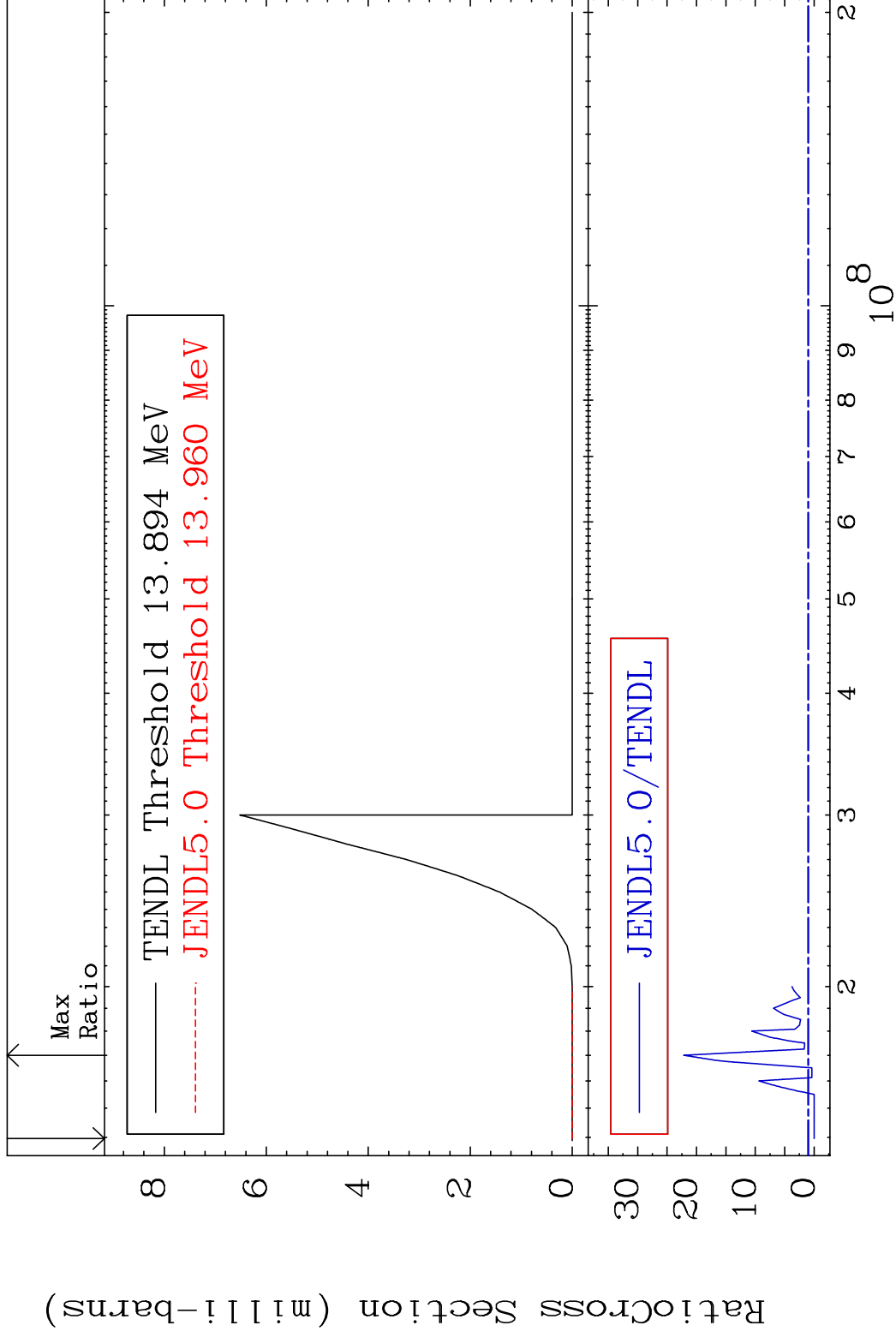
64-Gd-160

MAT 6449

(n, n') d

64-Gd-160

Cross Section -100.0 To 2119. %

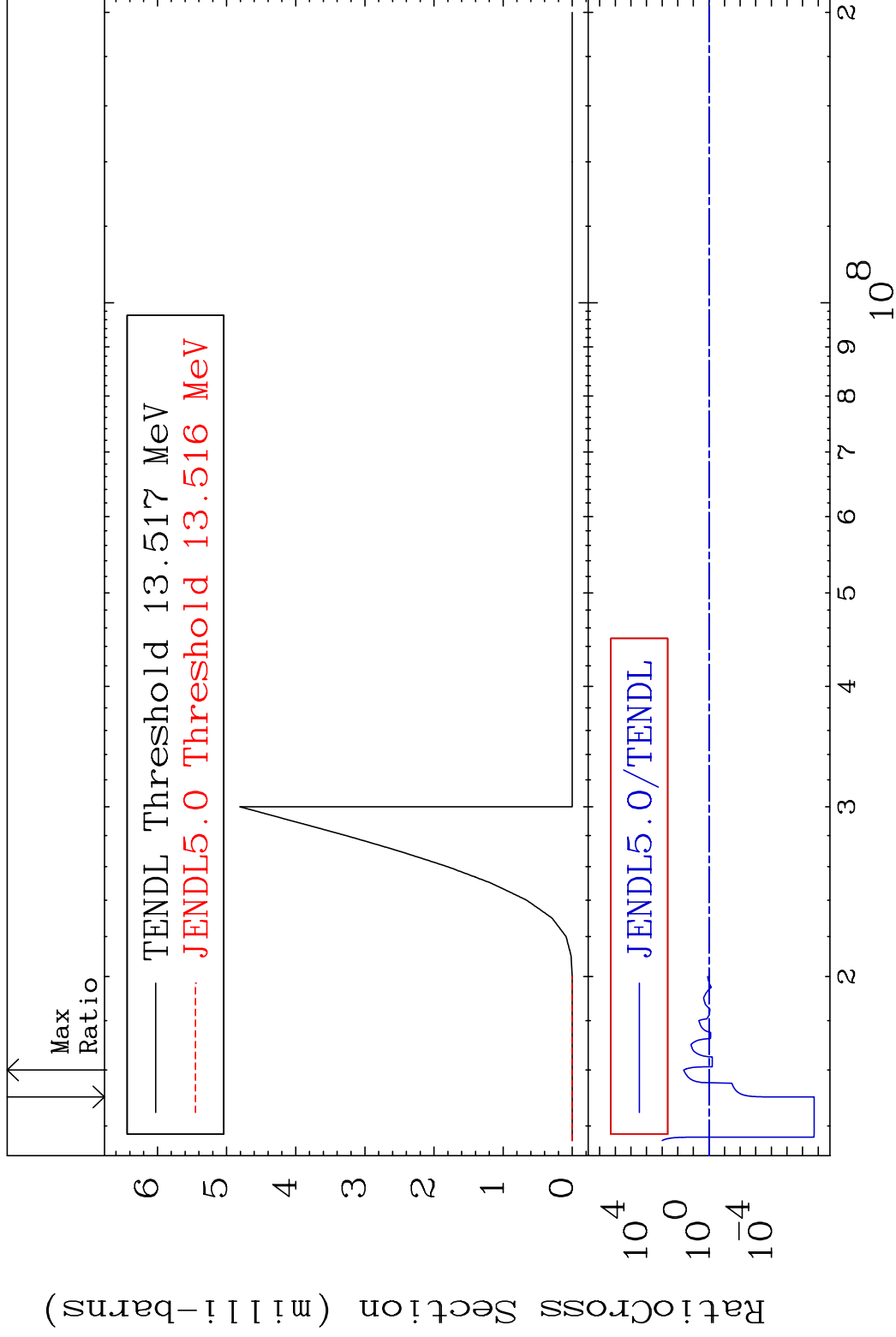


MAT 6449

(n, n') t

64-Gd-160

Cross Section -100.0 To 4081. %

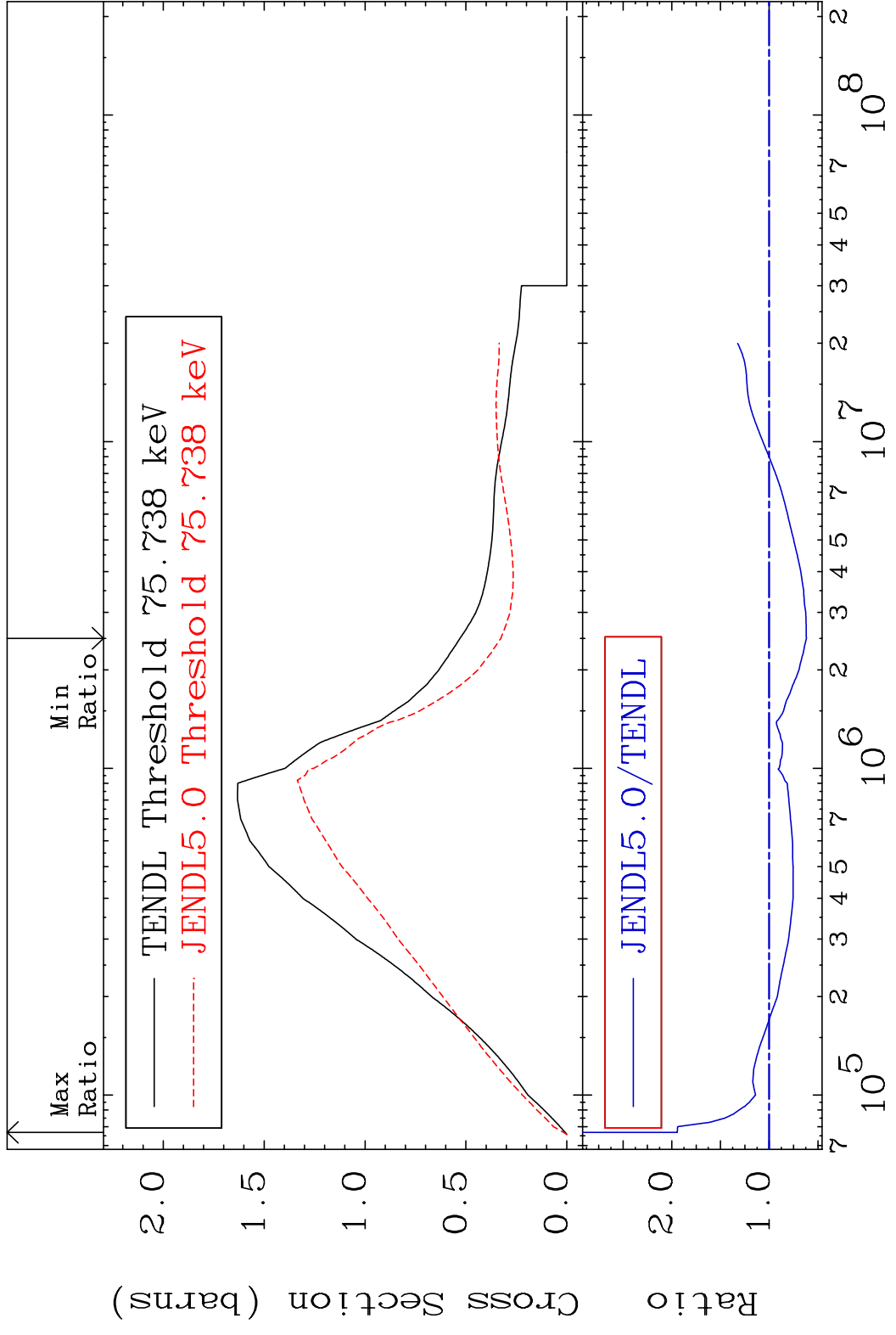


10

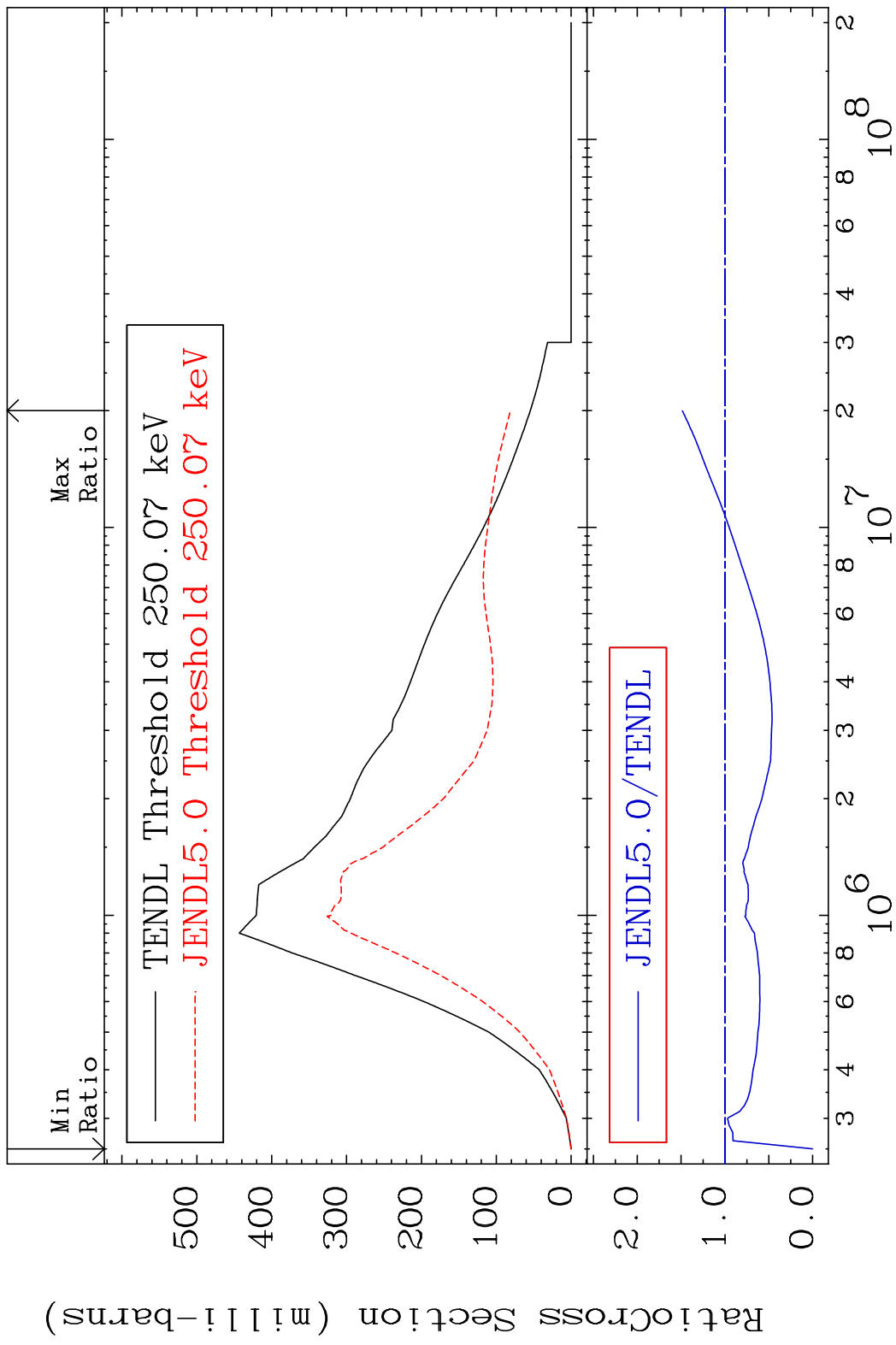
Incident Energy (eV)

64-Gd-160

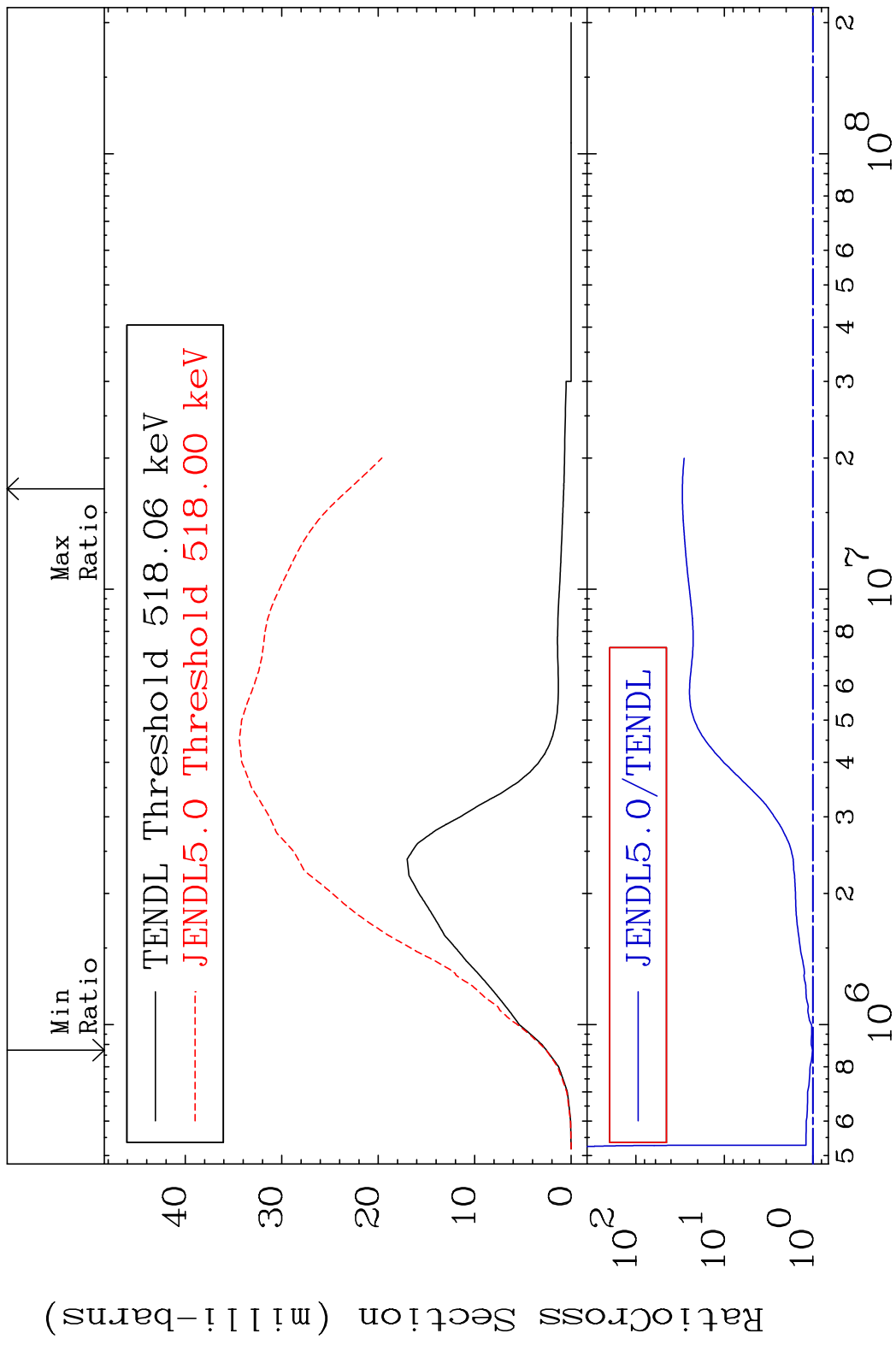
MAT 6449 MT= 51 (n, n') Level 64-Gd-160
 Cross Section -38.19 To 94.45 %



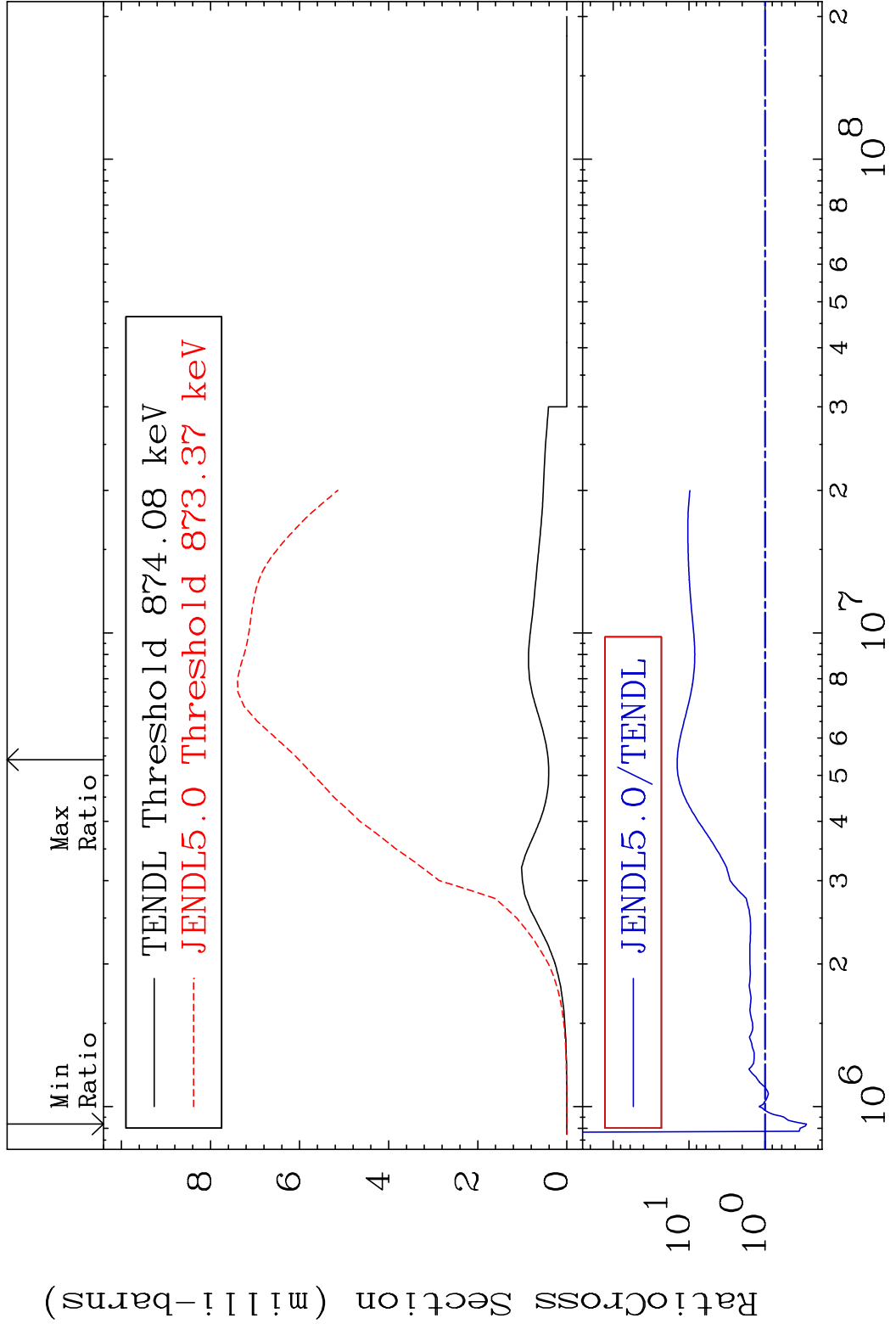
MAT 6449 MT= 52 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 48.61 %



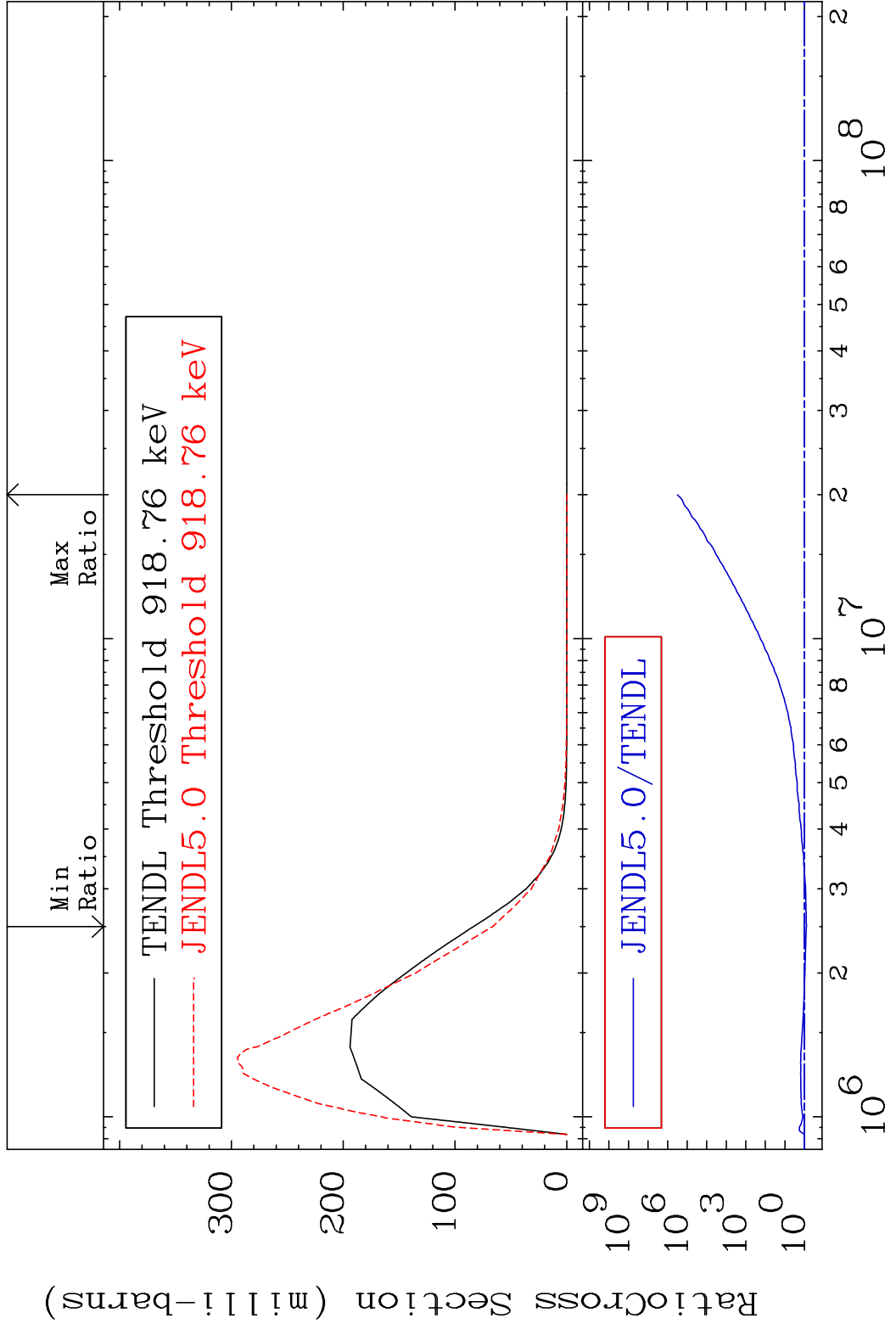
MAT 6449 MT= 53 (n, n') Level 64-Gd-160
 Cross Section 0.684 To 2881. %



MAT 6449 MT= 54 (n, n') Level 64-Gd-160
 Cross Section -71.61 To 1335. %

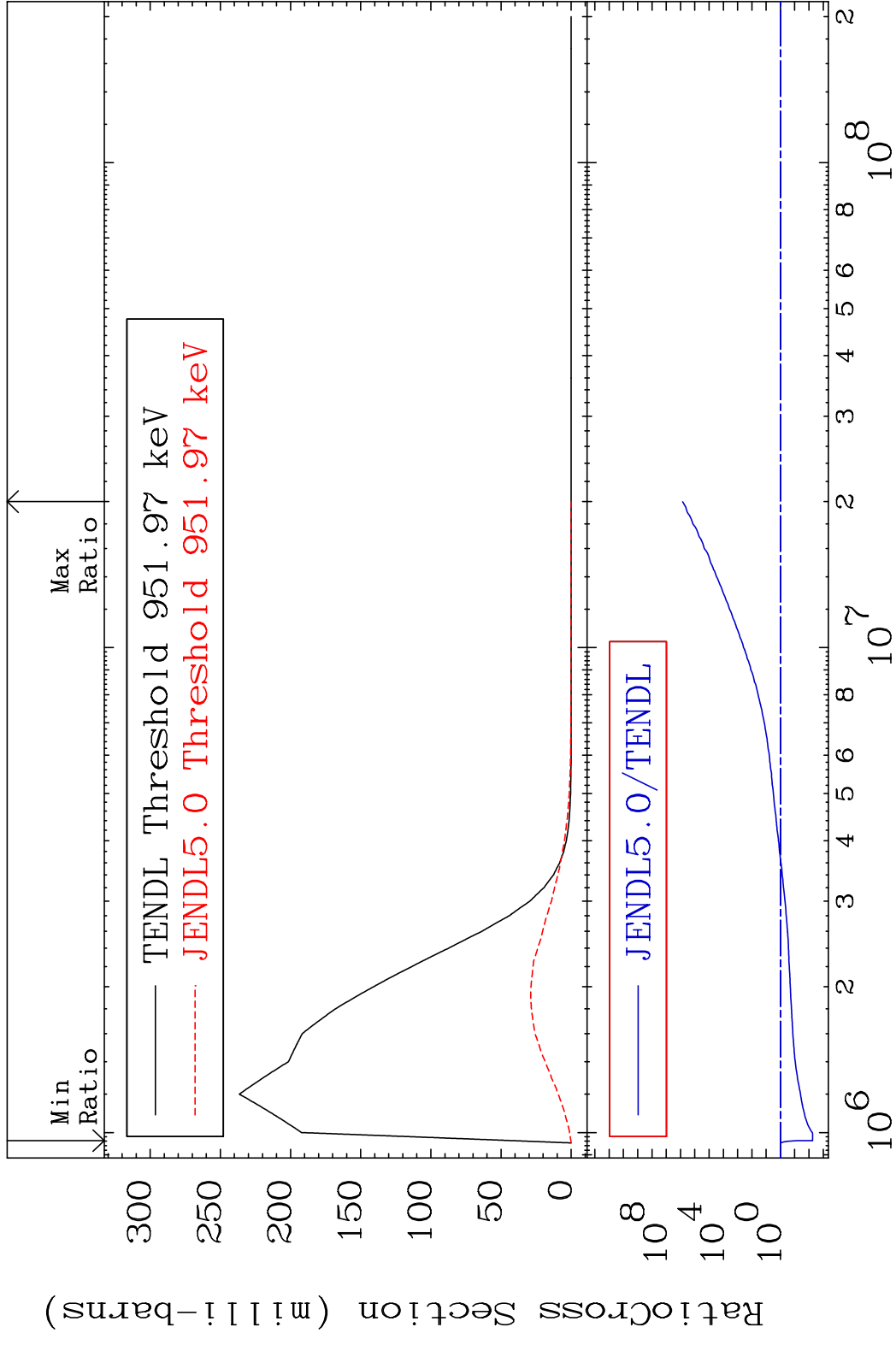


MAT 6449 MT= 55 (n, n') Level 64-Gd-160
 Cross Section -20.80 To 9999. %



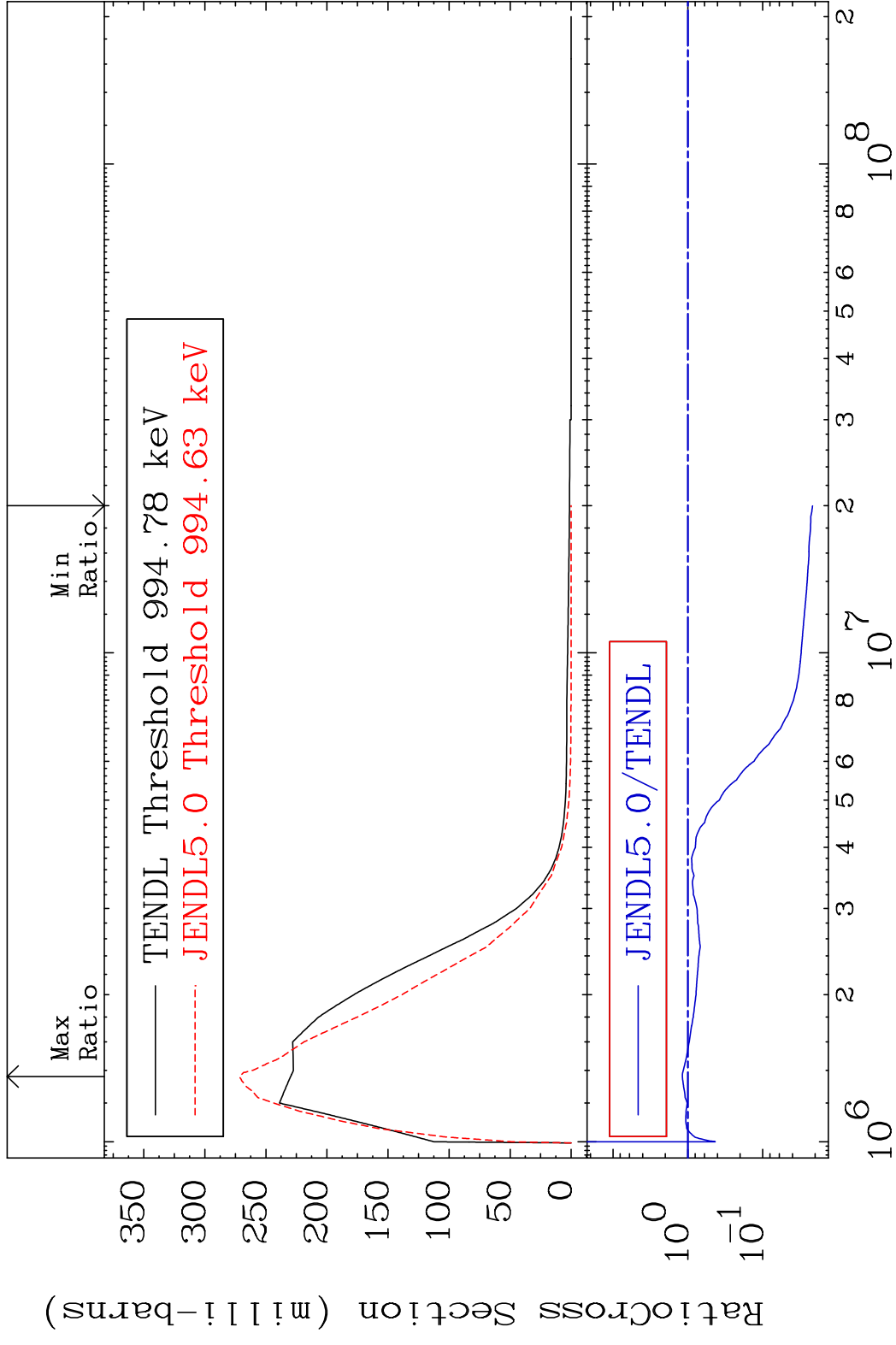
15 Incident Energy (eV) 64-Gd-160

MAT 6449 MT= 56 (n, n') Level 64-Gd-160
 Cross Section -99.44 To 9999. %



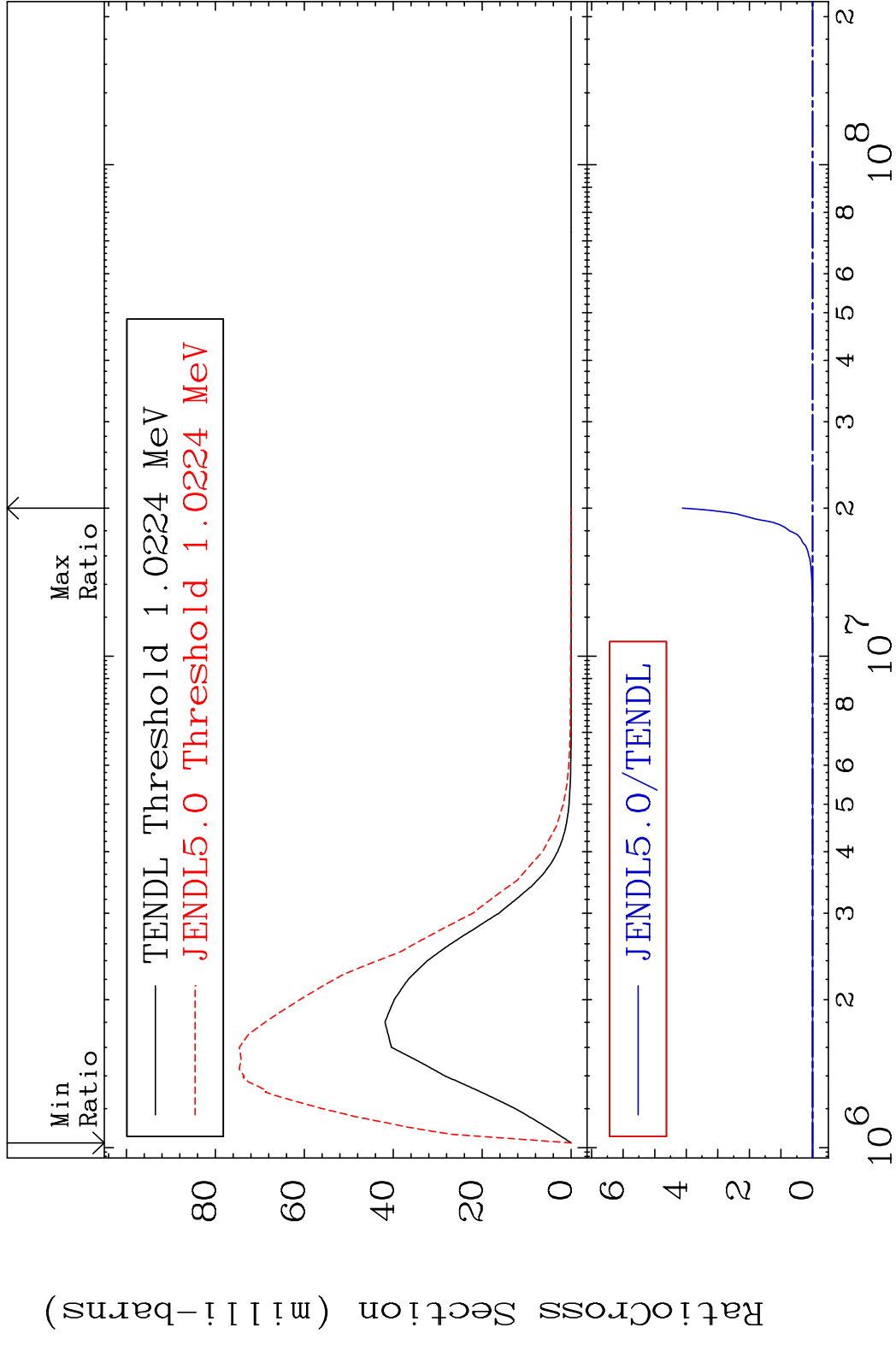
16 Incident Energy (eV) 64-Gd-160

MAT 6449 MT= 57 (n, n') Level 64-Gd-160
 Cross Section -97.84 To 18.30 %



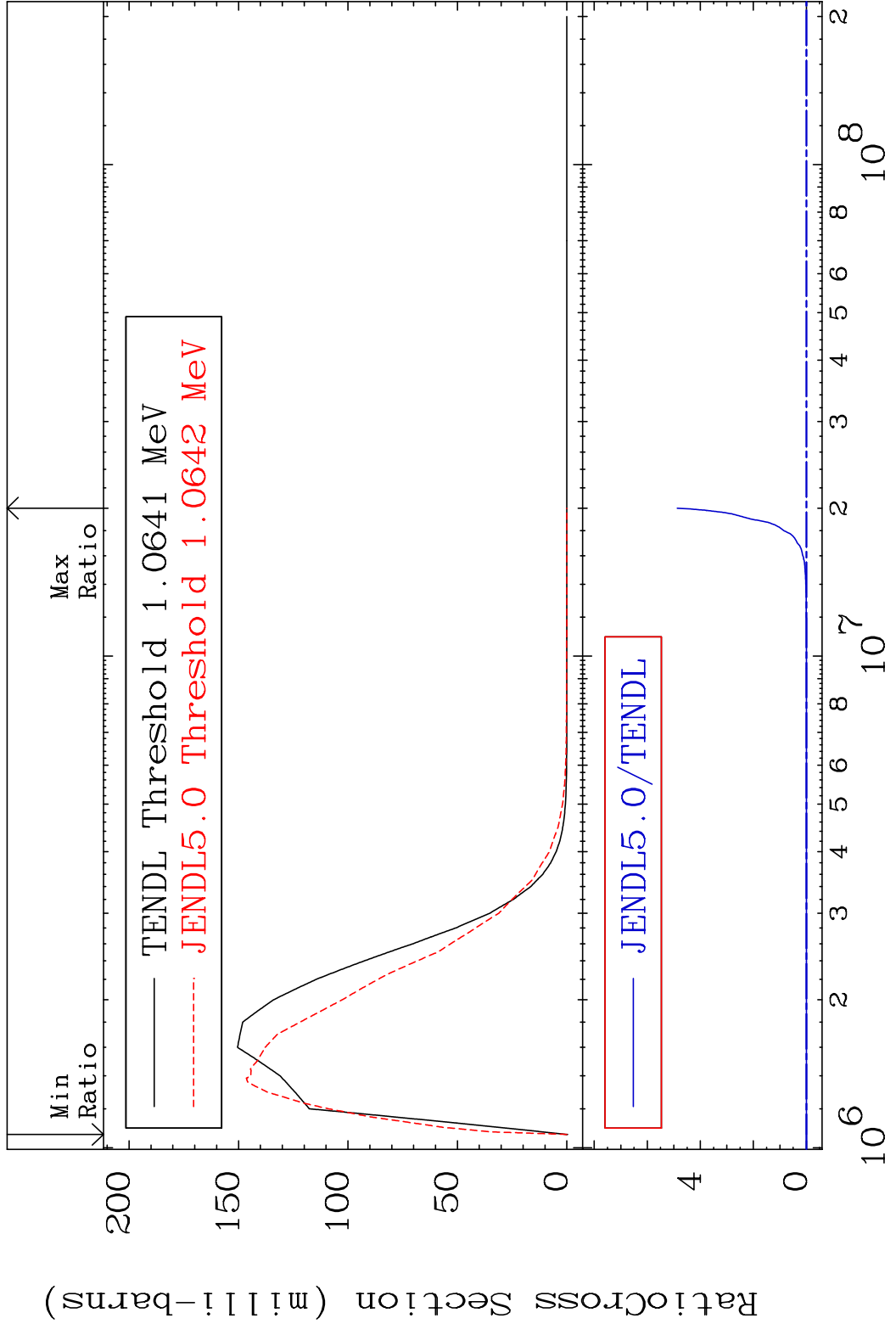
17 Incident Energy (eV) 64-Gd-160

MAT 6449 MT= 58 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 9999. %



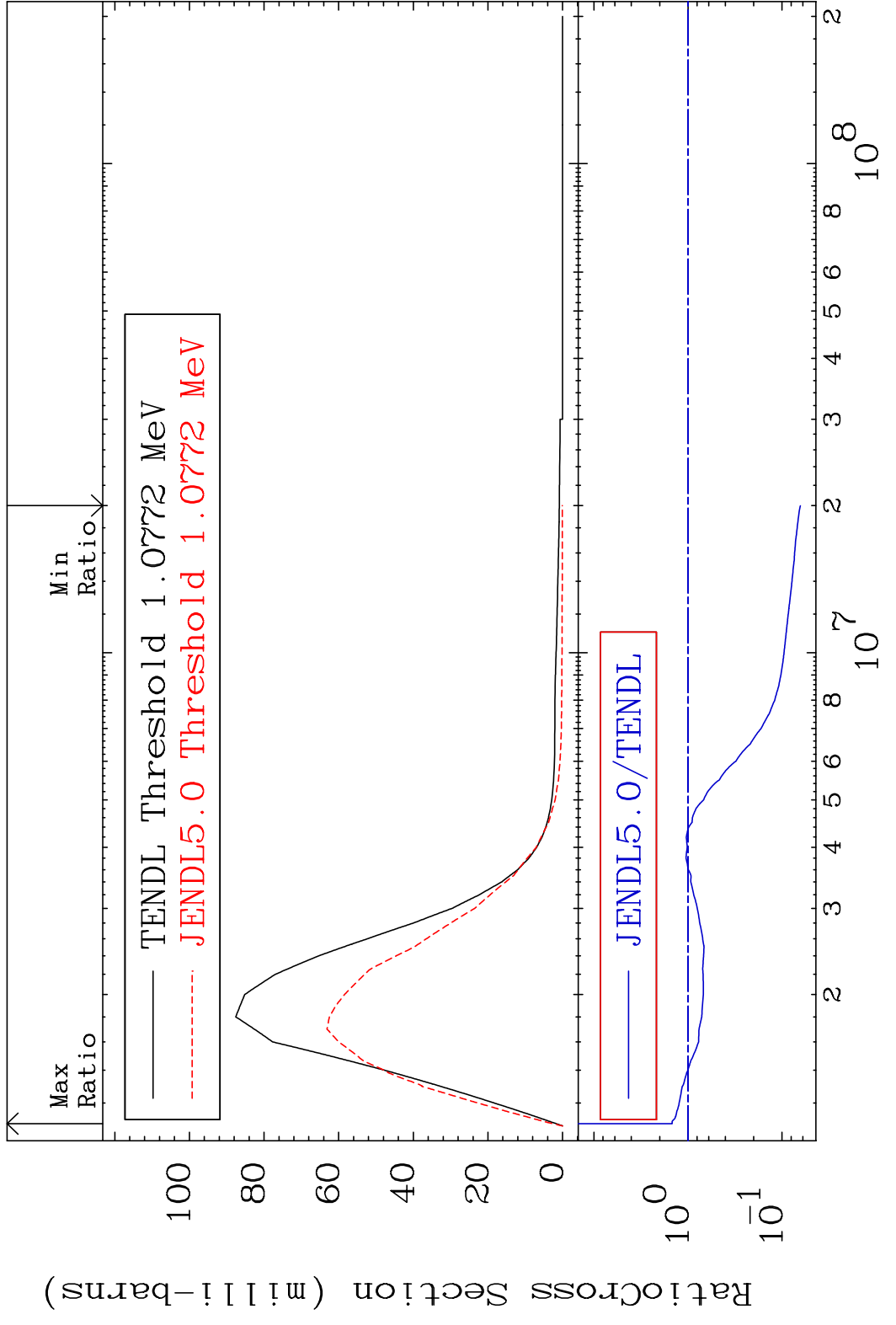
18 Incident Energy (eV) 64-Gd-160

MAT 6449 MT= 59 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 9999. %

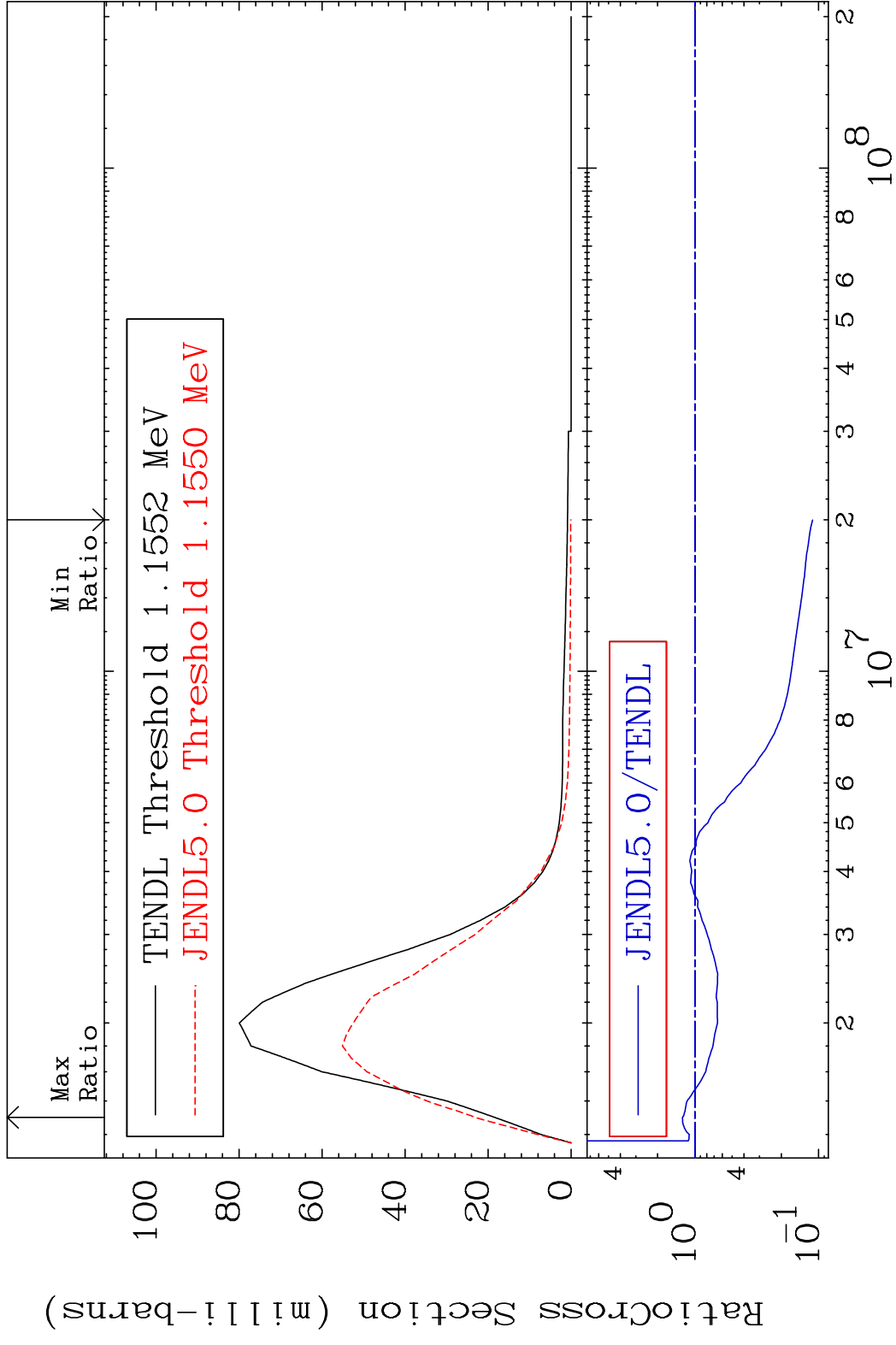


19 Incident Energy (eV) 64-Gd-160

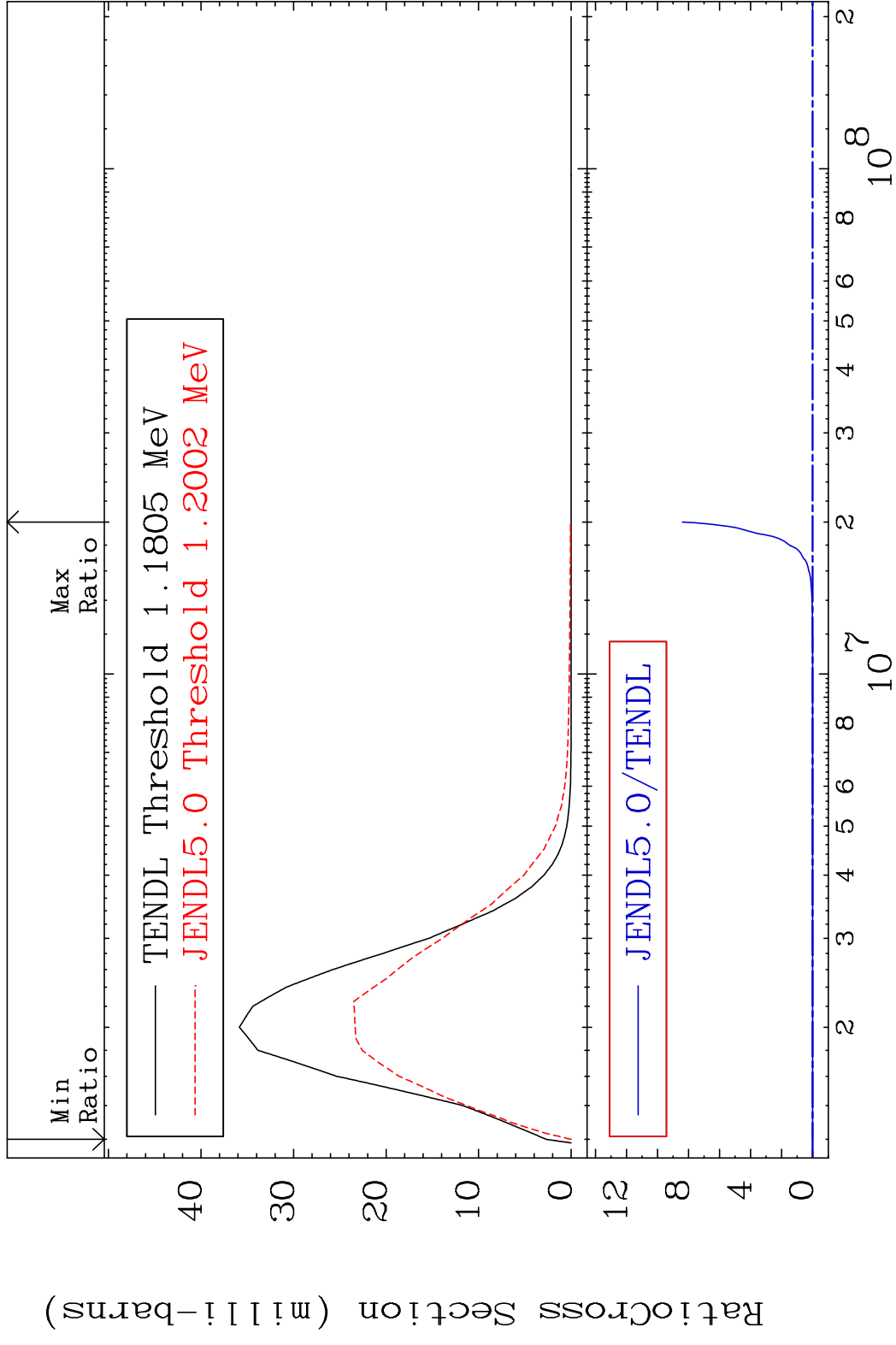
MAT 6449 MT= 60 (n, n') Level 64-Gd-160
 Cross Section -93.61 To 47.53 %



MAT 6449 MT= 61 (n, n') Level 64-Gd-160
 Cross Section -88.83 To 26.21 %

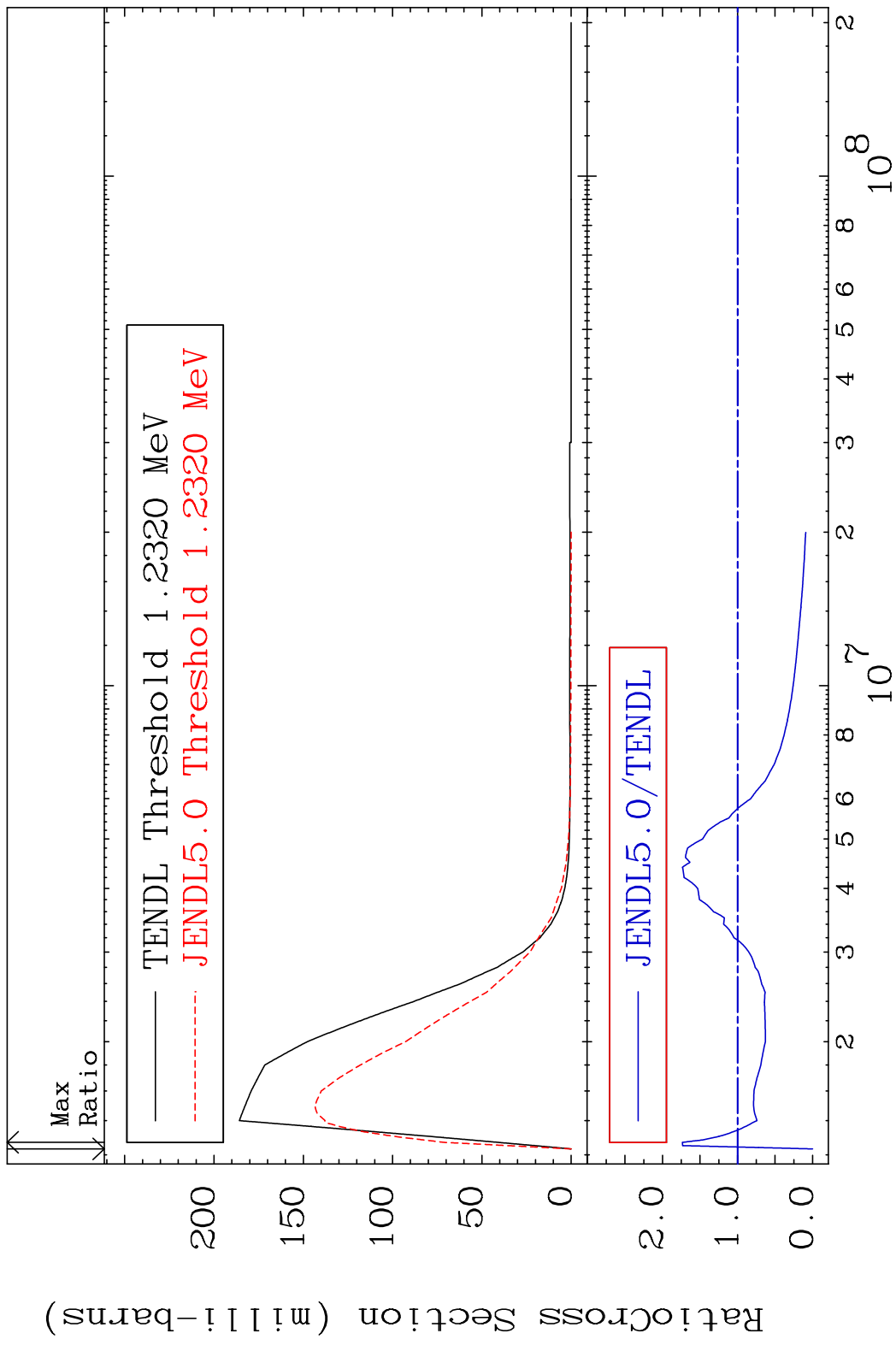


MAT 6449 MT= 62 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 9999. %

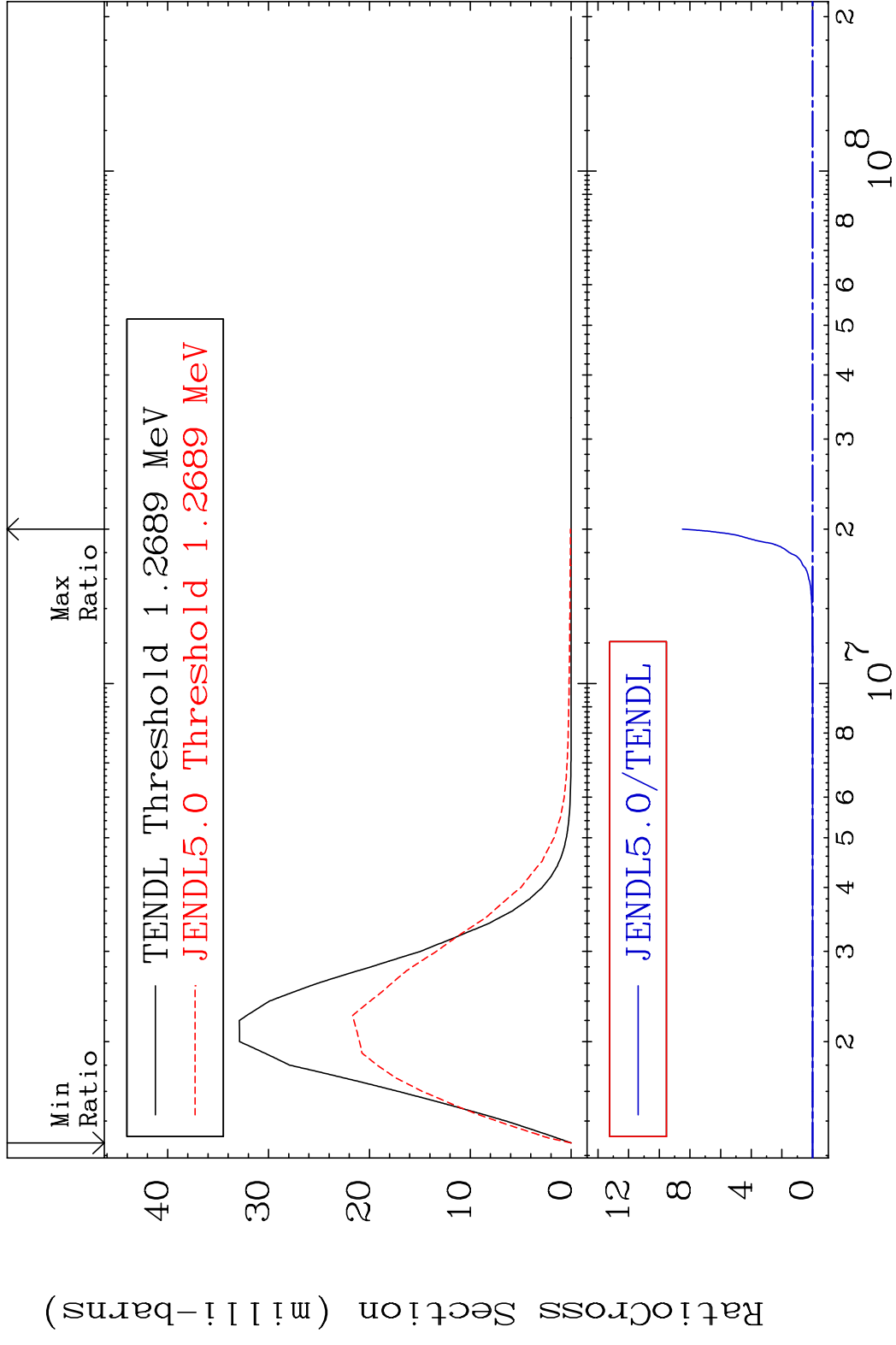


22 Incident Energy (eV) 64-Gd-160

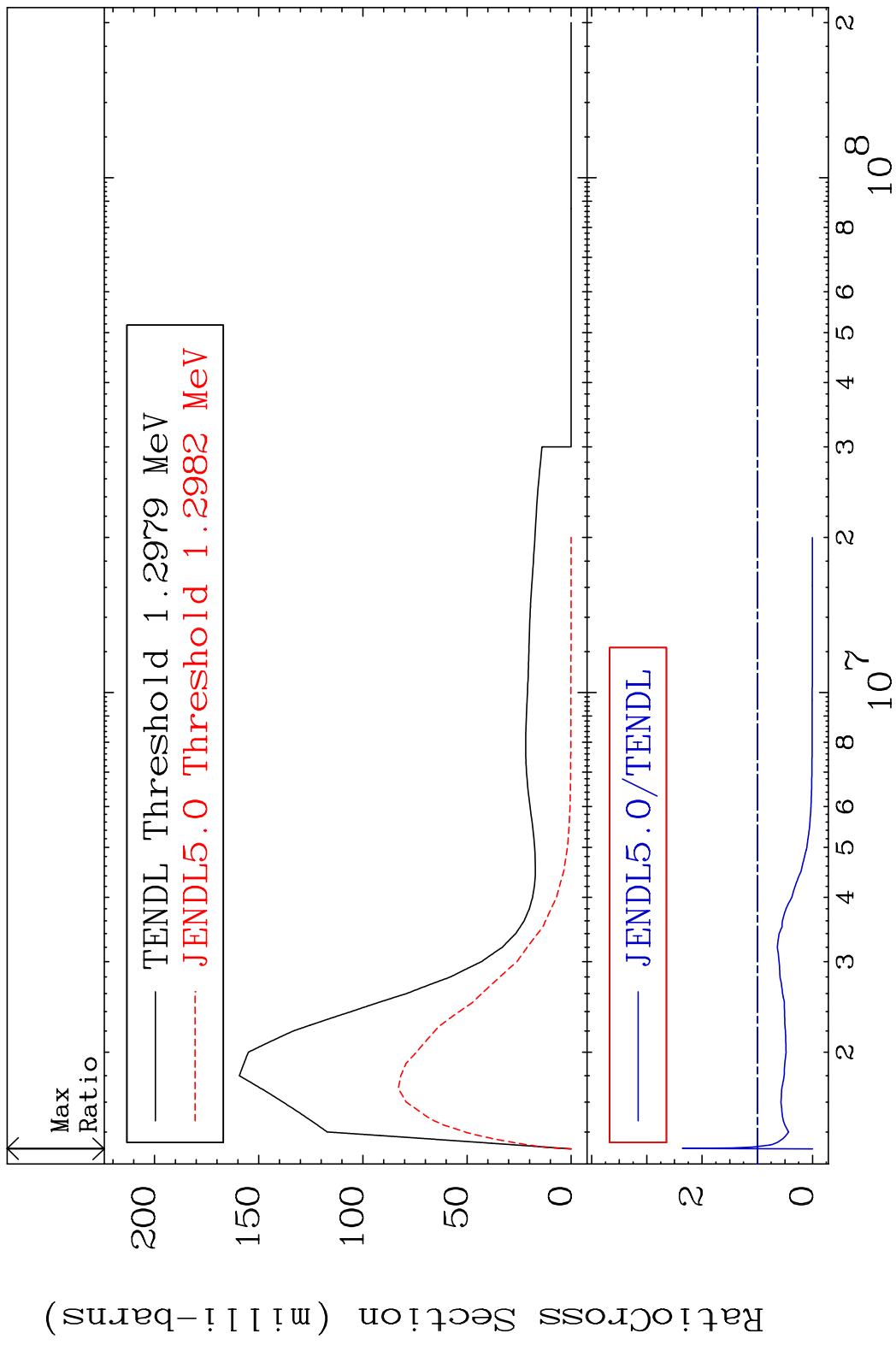
MAT 6449 MT= 63 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 73.55 %



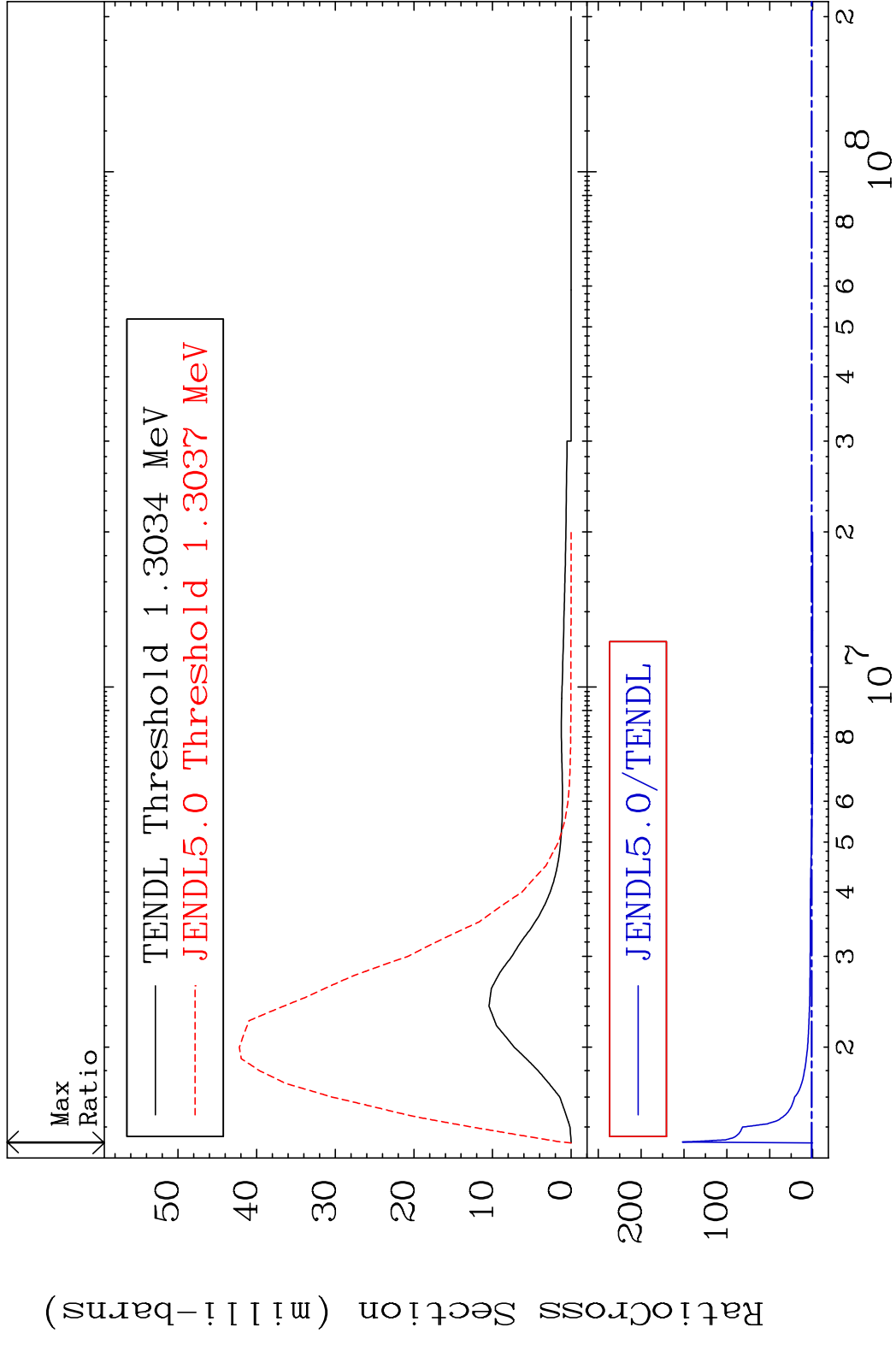
MAT 6449 MT= 64 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 9999. %



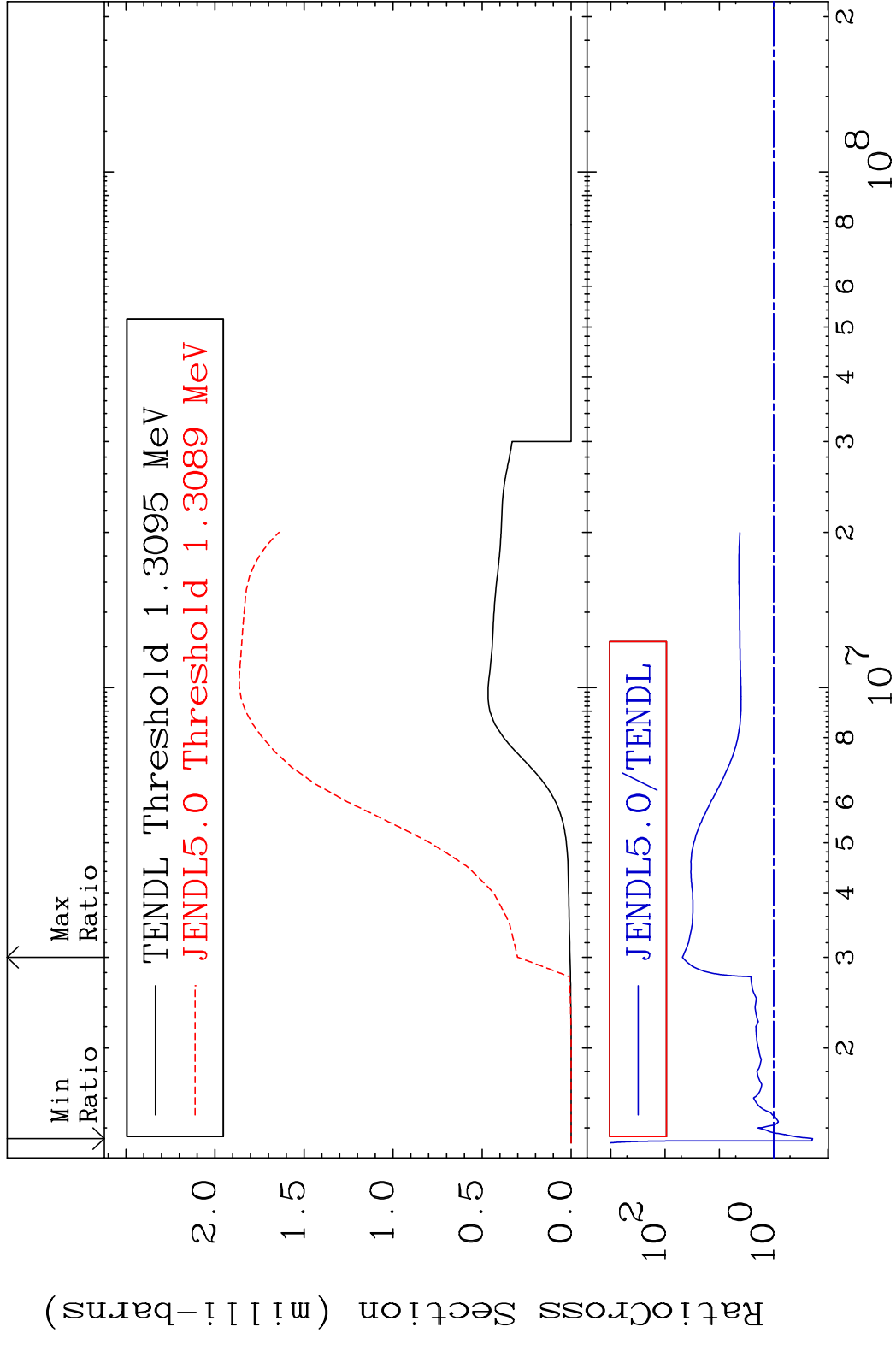
MAT 6449 MT= 65 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 135.8 %



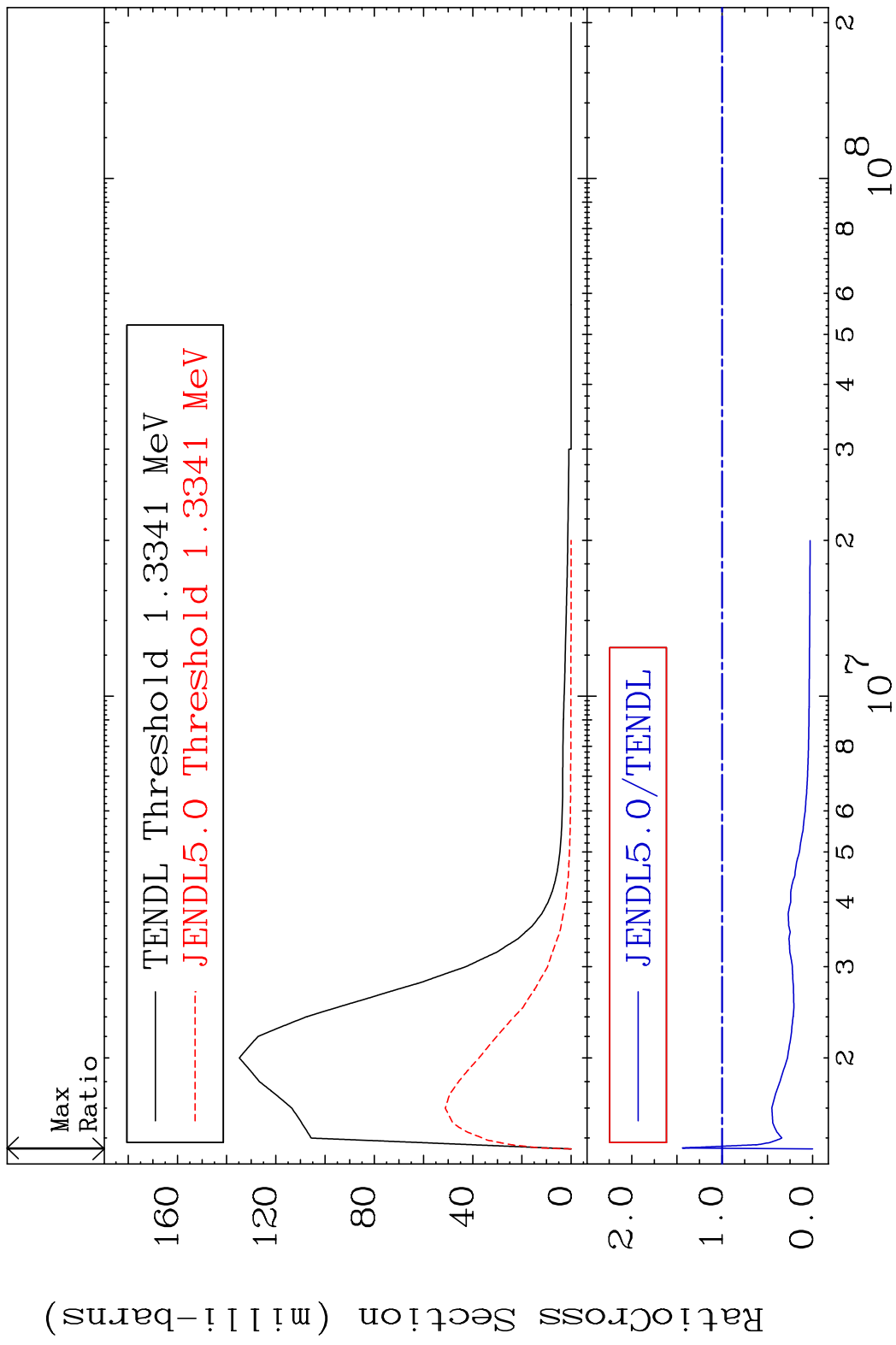
MAT 6449 MT= 66 (n,n') Level 64-Gd-160
 Cross Section -100.0 To 9999. %



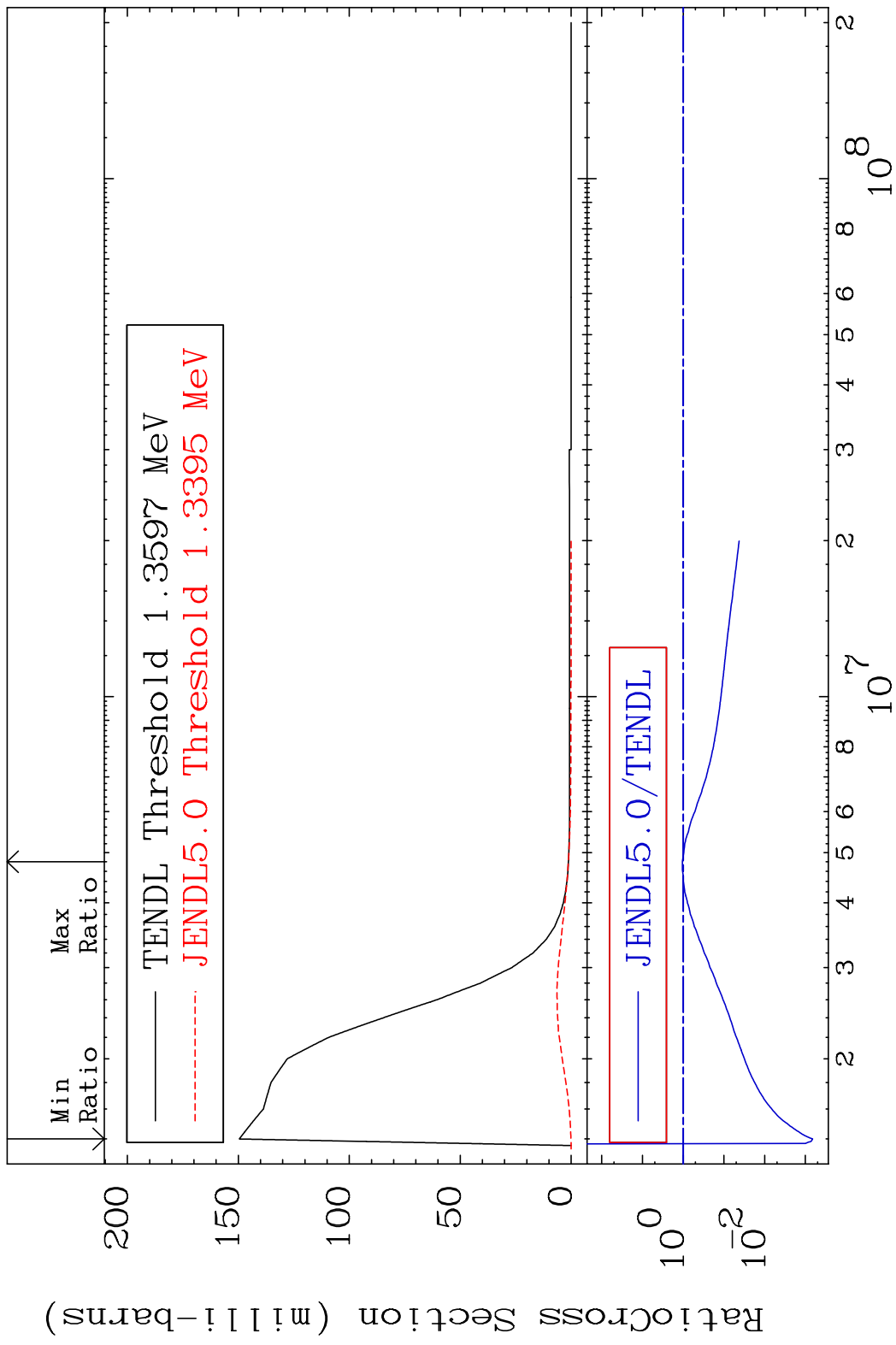
MAT 6449 MT= 67 (n, n') Level 64-Gd-160
 Cross Section -80.80 To 4692. %



MAT 6449 MT= 68 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 44.03 %

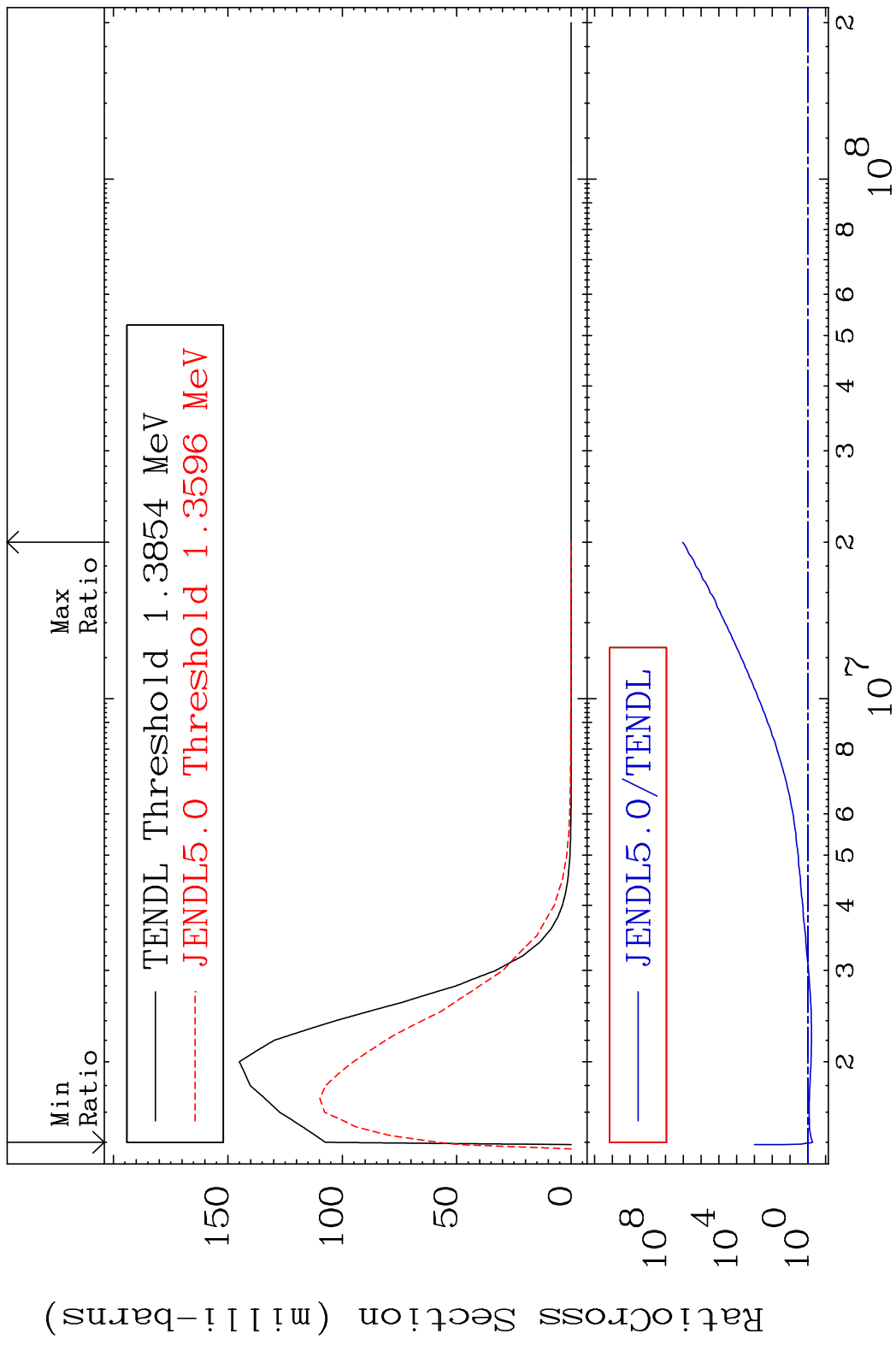


MAT 6449 MT= 69 (n,n') Level 64-Gd-160
 Cross Section -99.93 To 4.858 %

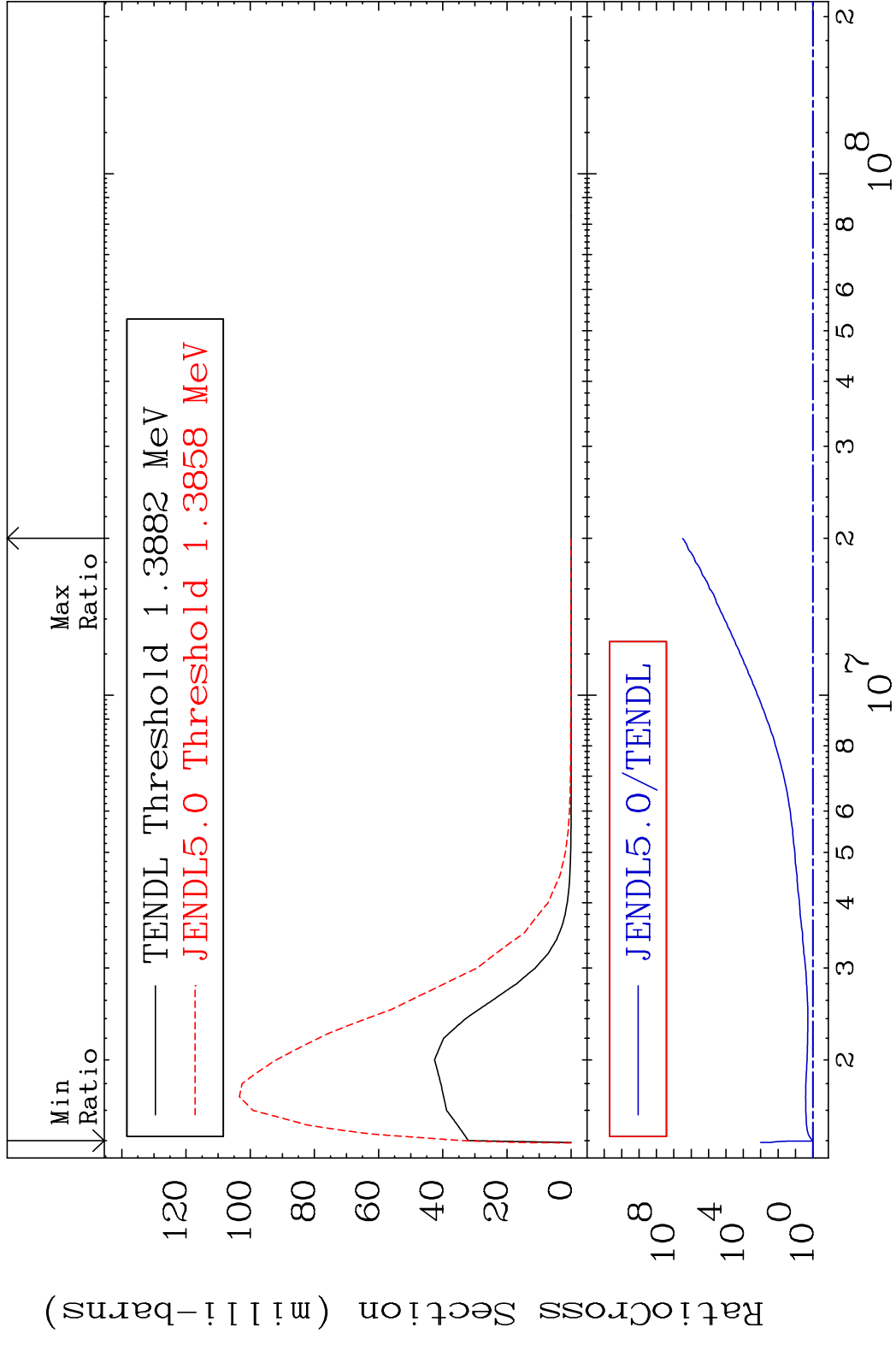


29 Incident Energy (eV) 64-Gd-160

MAT 6449 MT= 70 (n, n') Level 64-Gd-160
 Cross Section -45.90 To 9999. %



MAT 6449 MT= 71 (n, n') Level 64-Gd-160
 Cross Section 4.205 To 9999. %

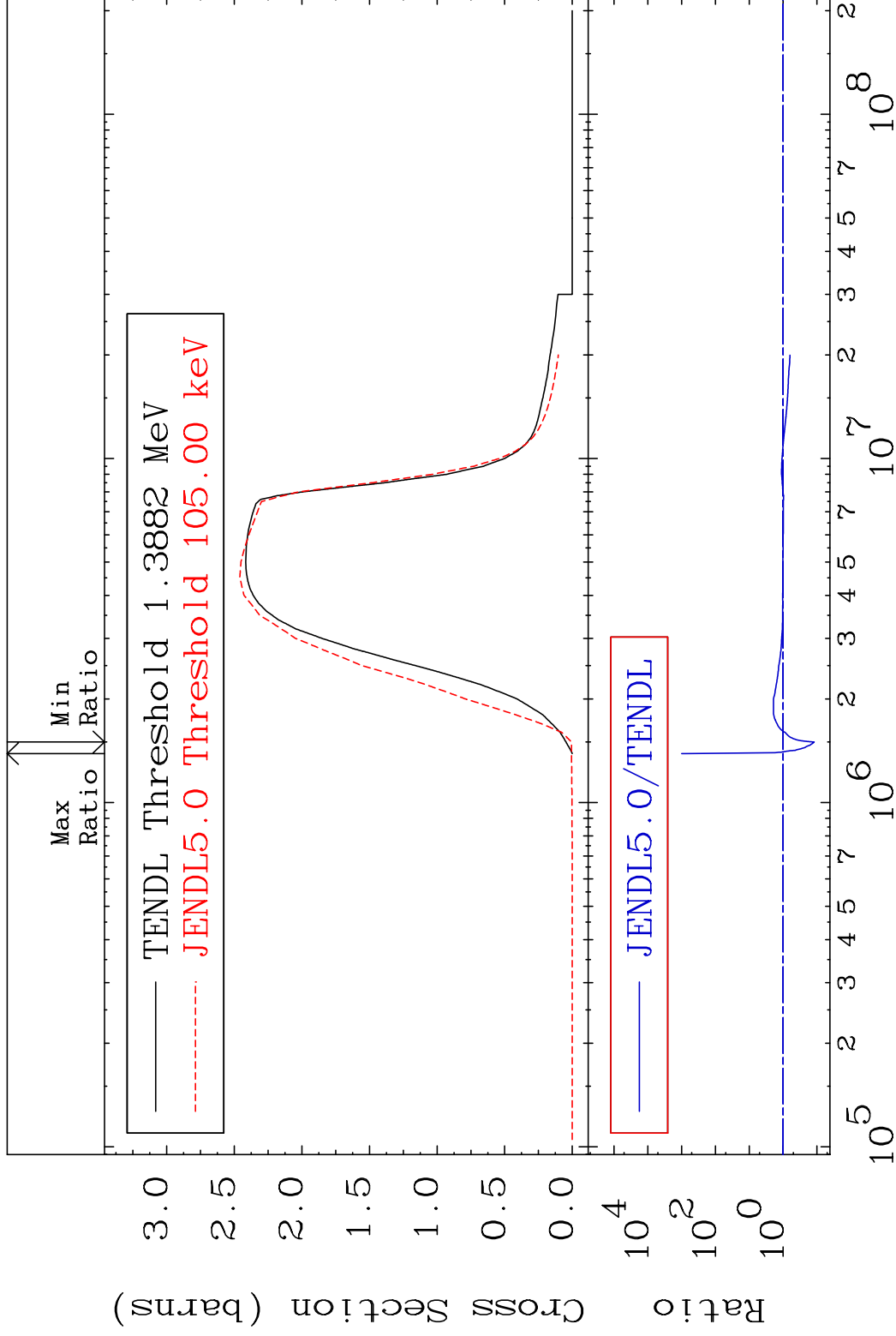


MAT 6449

(n, n') Continuum

64-Gd-160

Cross Section -87.85 To 9999. %



32

Incident Energy (eV)

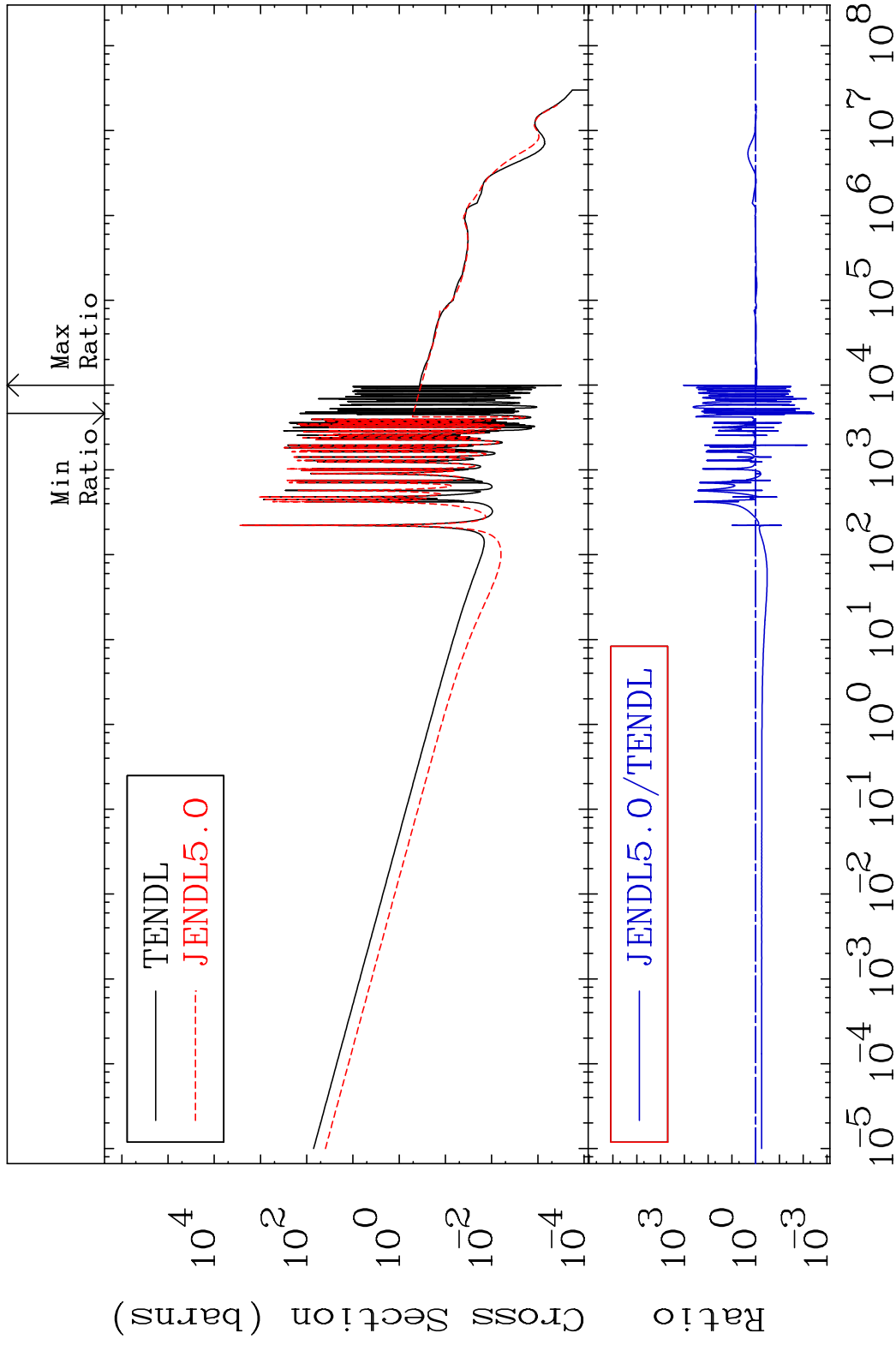
64-Gd-160

MAT 6449

(n, γ)

64-Gd-160

Cross Section -99.65 To 9999. %



33

Incident Energy (eV)

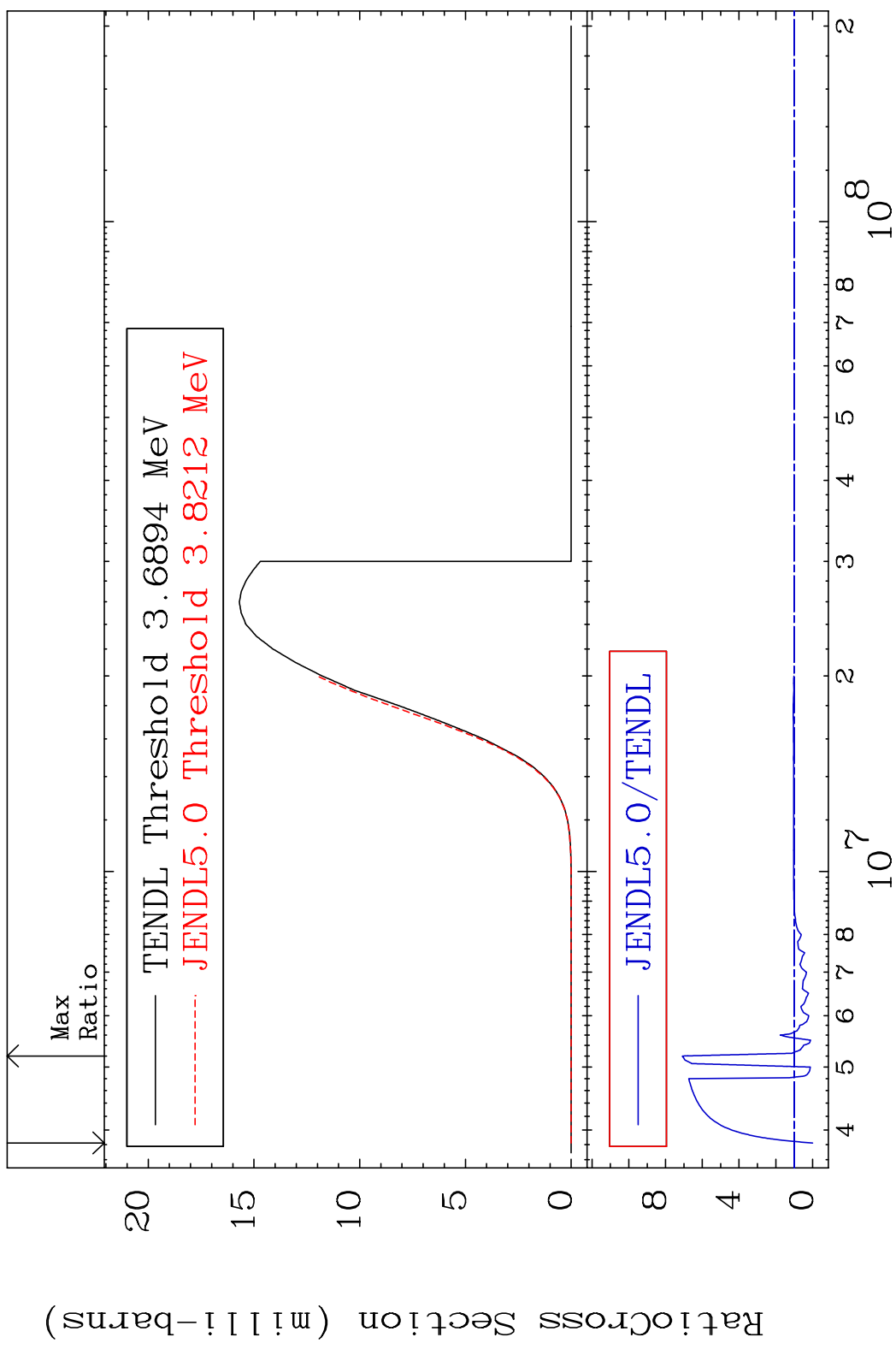
64-Gd-160

MAT 6449

(n,p)

64-Gd-160

Cross Section -100.0 To 608.6 %

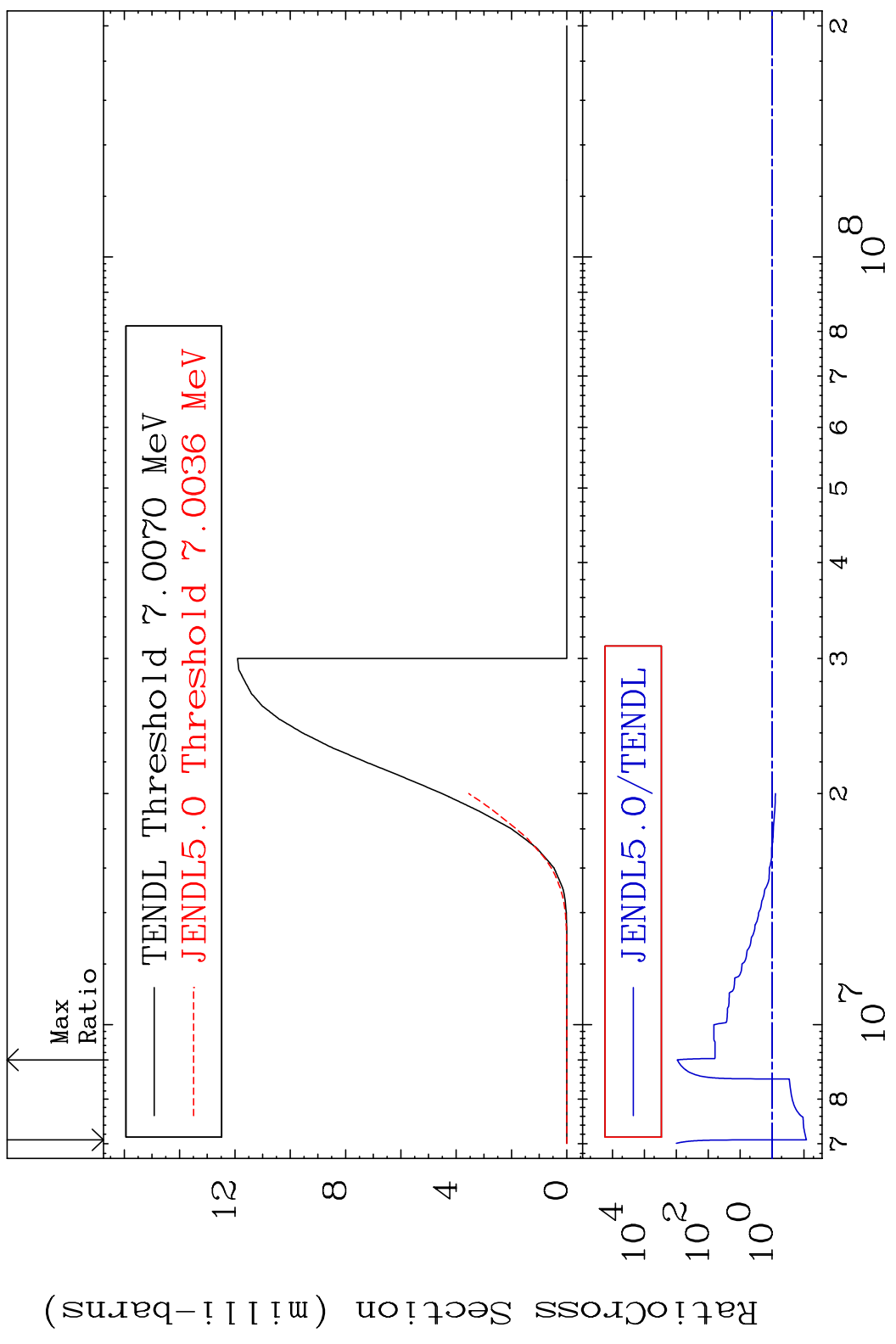


MAT 6449

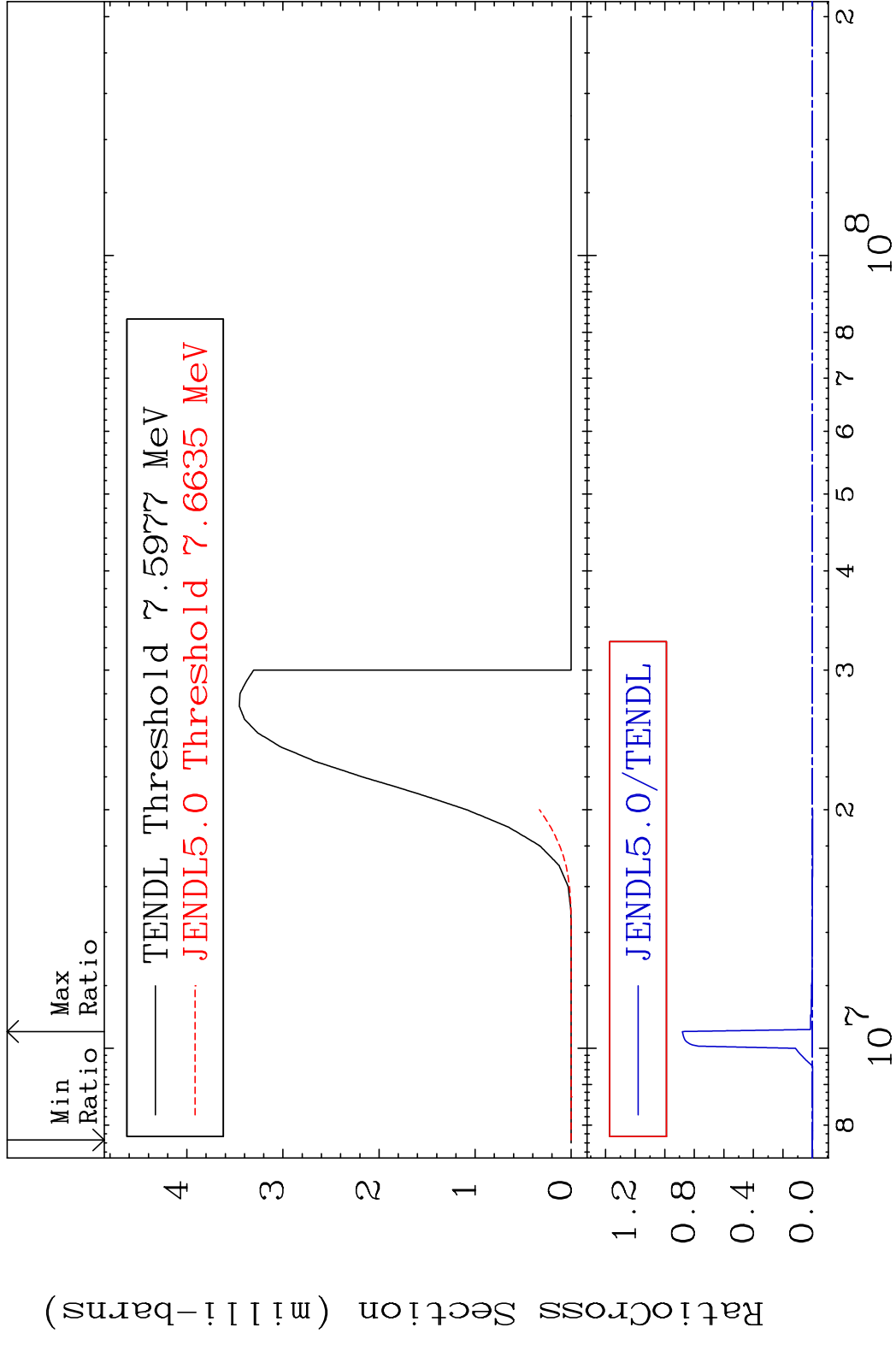
(n,d)

64-Gd-160

Cross Section -91.62 To 9999. %



MAT 6449 (n, t) 64-Gd-160
 Cross Section -100.0 To 9999. %

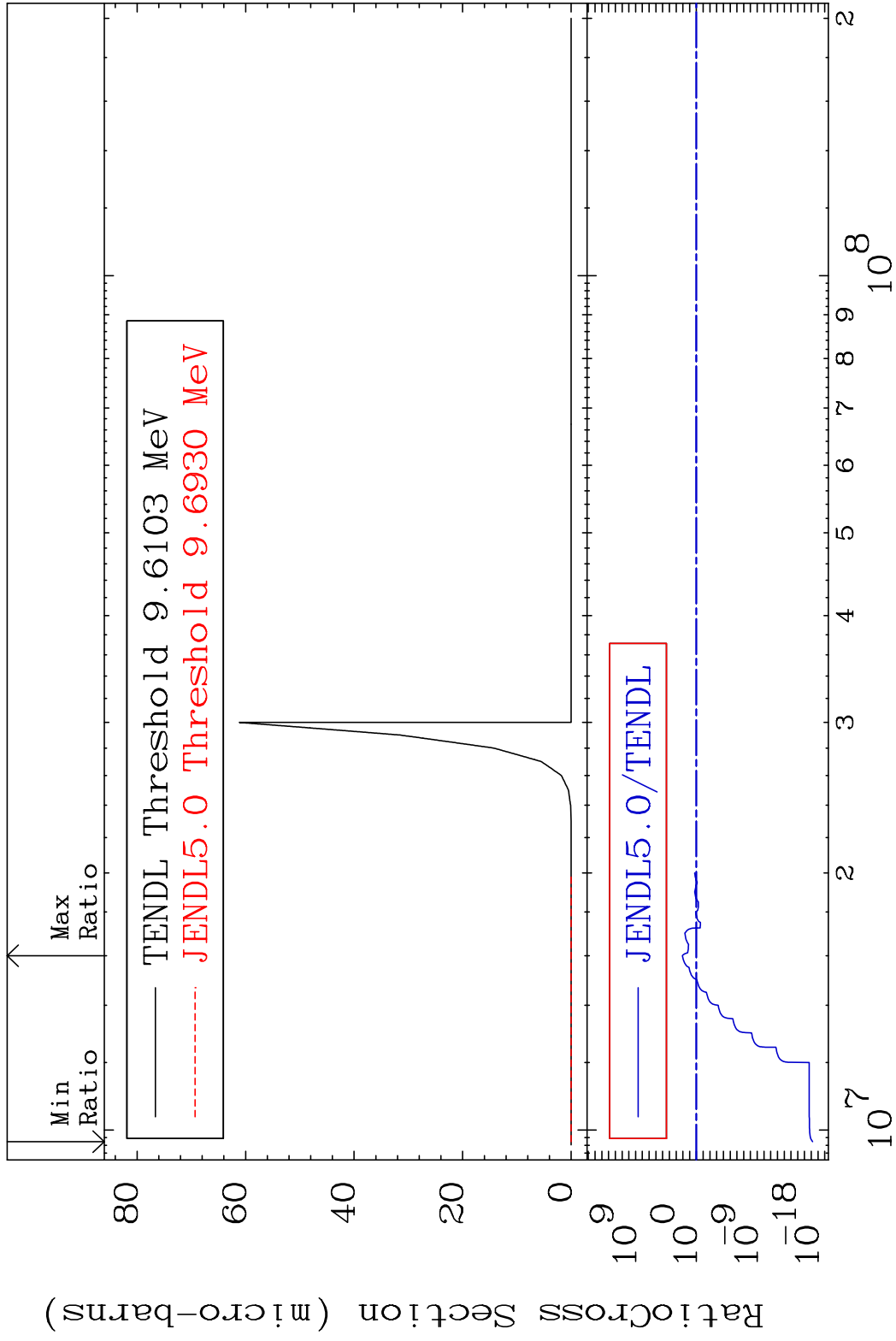


MAT 6449

(n, He-3)

64-Gd-160

Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

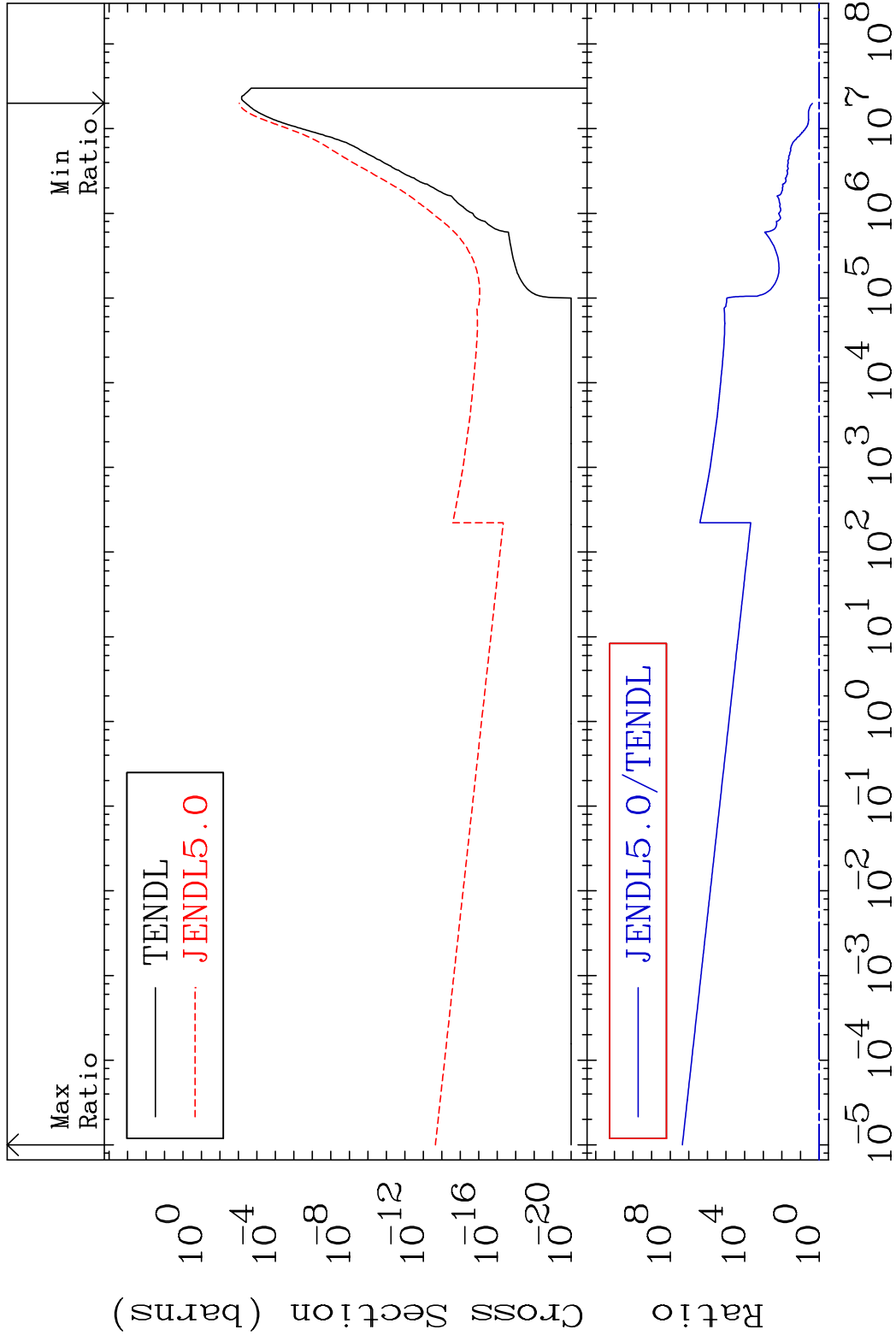
64-Gd-160

MAT 6449

(n, α)

64-Gd-160

Cross Section 124.9 To 9999. %

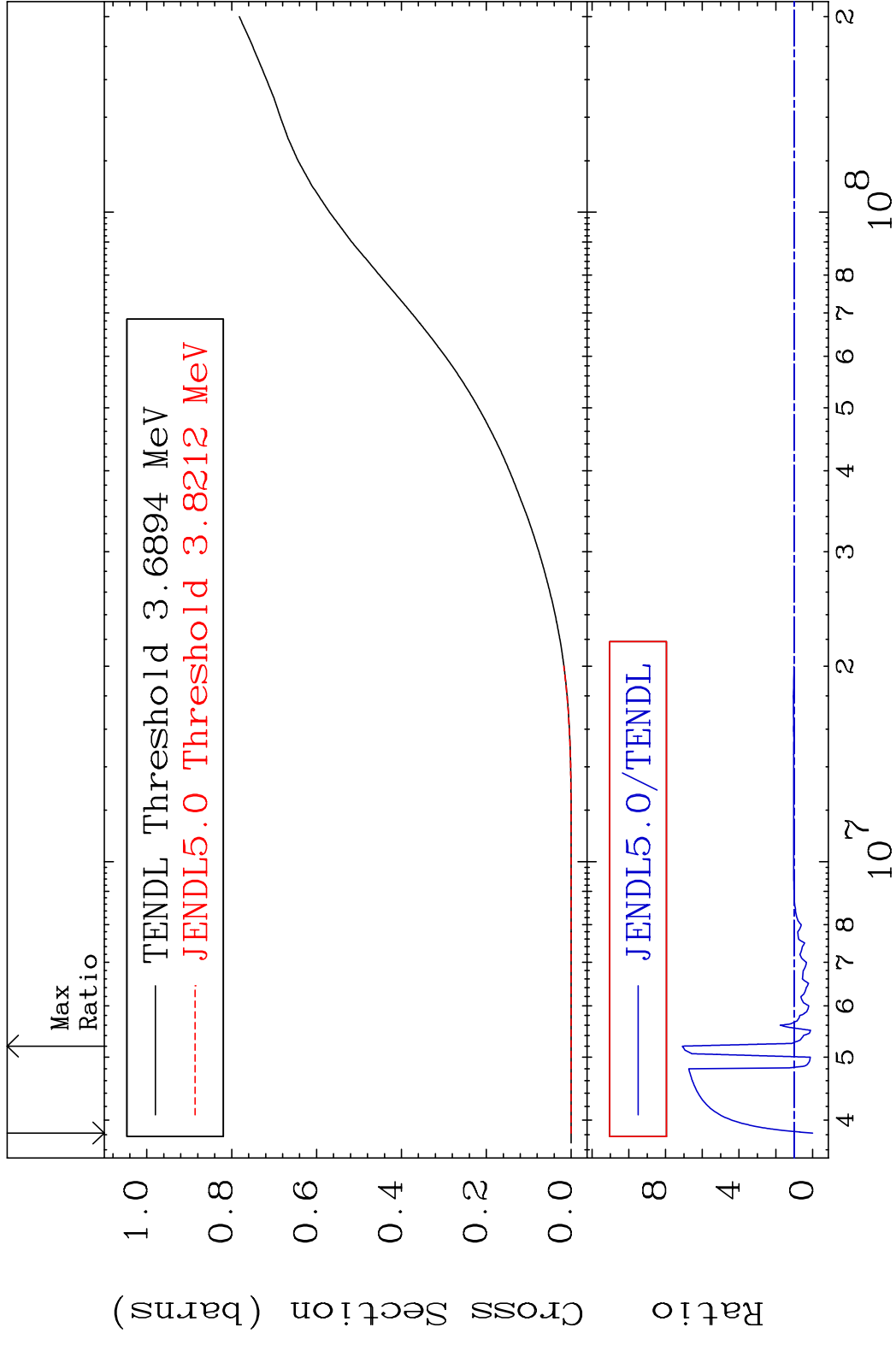


MAT 6449

Hydrogen Production

64-Gd-160

Cross Section -100.0 To 608.6 %

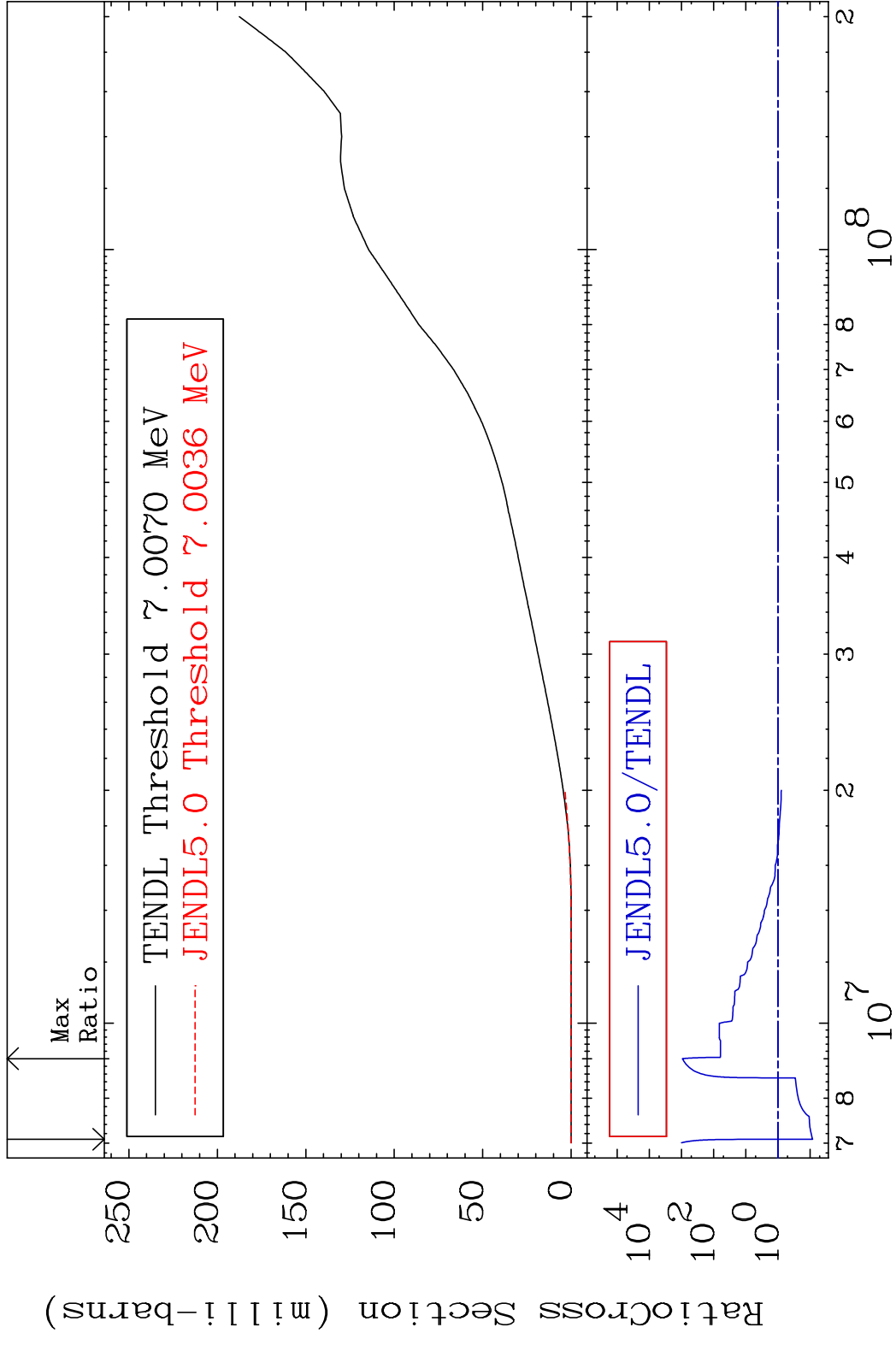


MAT 6449

Deuterium Production

64-Gd-160

Cross Section -91.62 To 9999. %

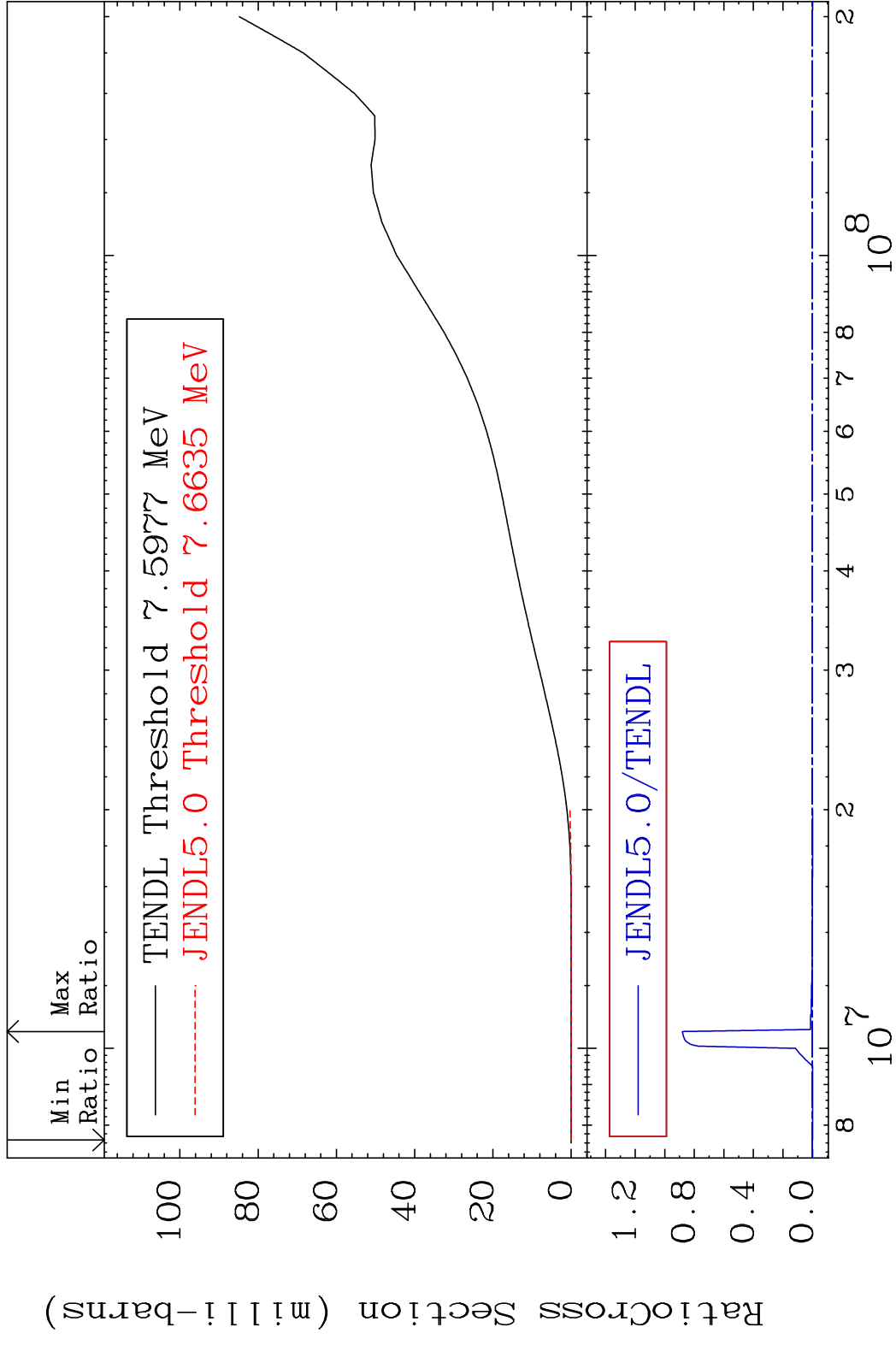


40

Incident Energy (eV)

64-Gd-160

MAT 6449 Tritium Production 64-Gd-160
 Cross Section -100.0 To 9999. %

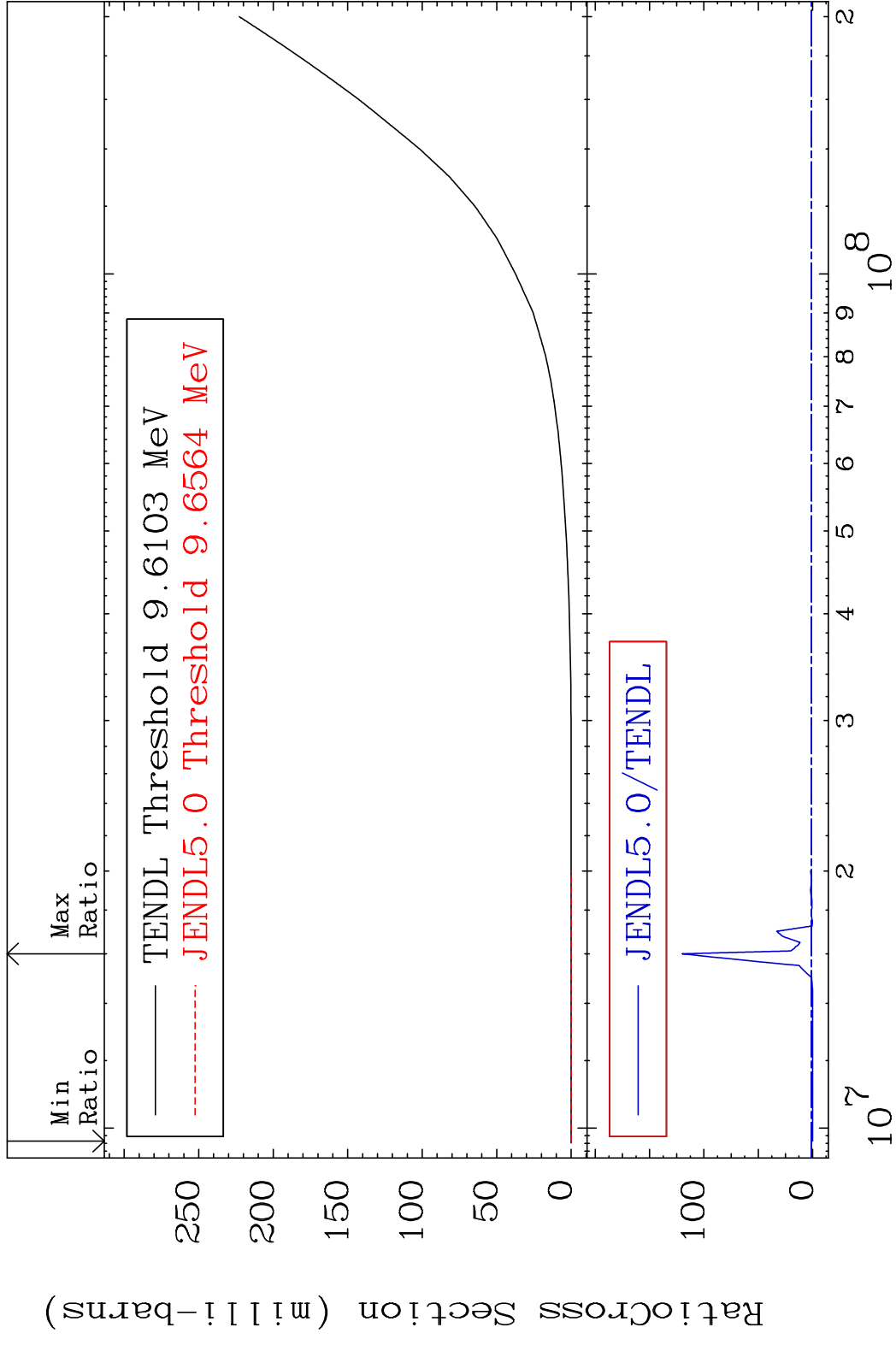


MAT 6449

He-3 Production

64-Gd-160

Cross Section -100.0 To 9999. %



42

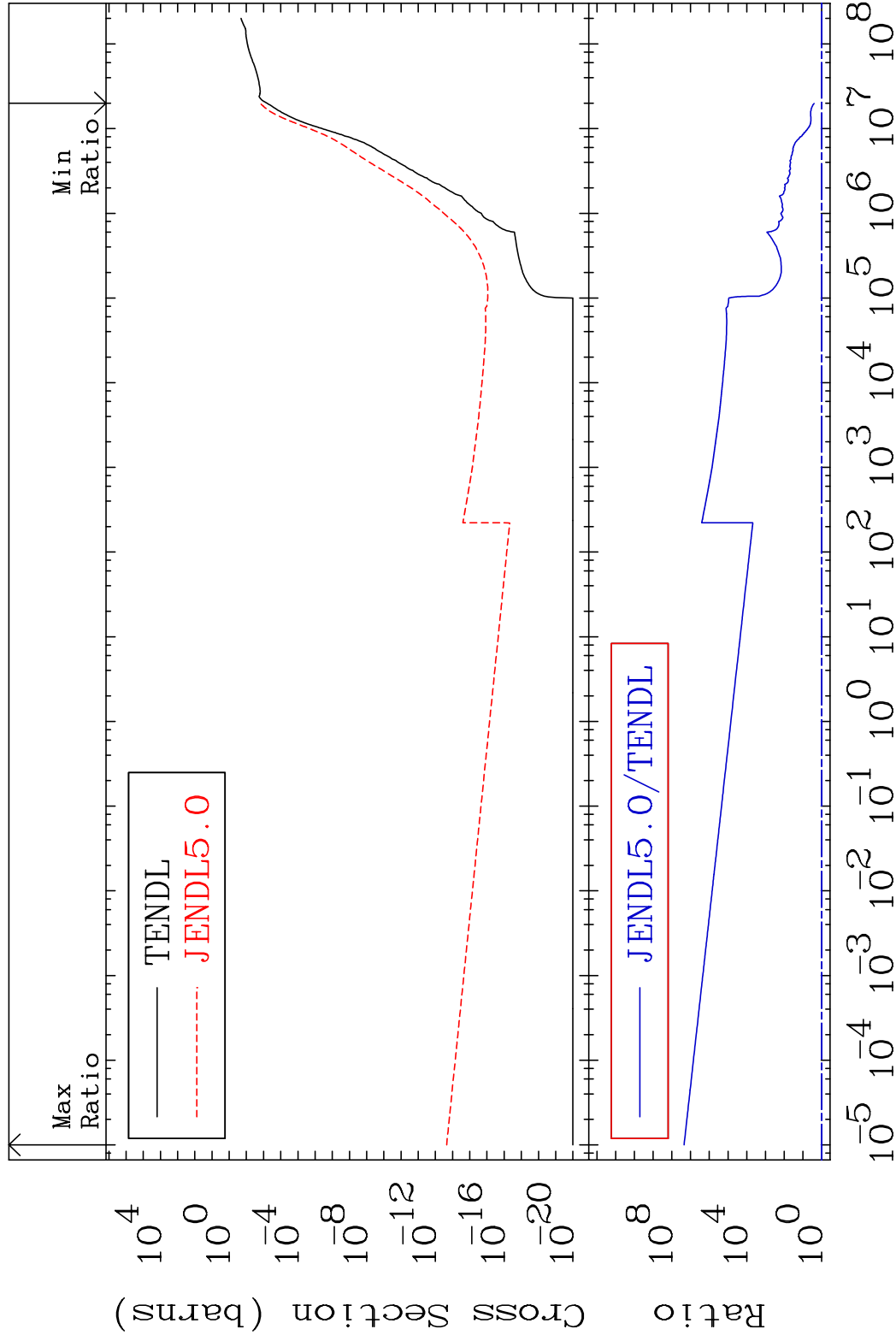
64-Gd-160

MAT 6449

He-4 Production

64-Gd-160

Cross Section 146.7 To 9999. %

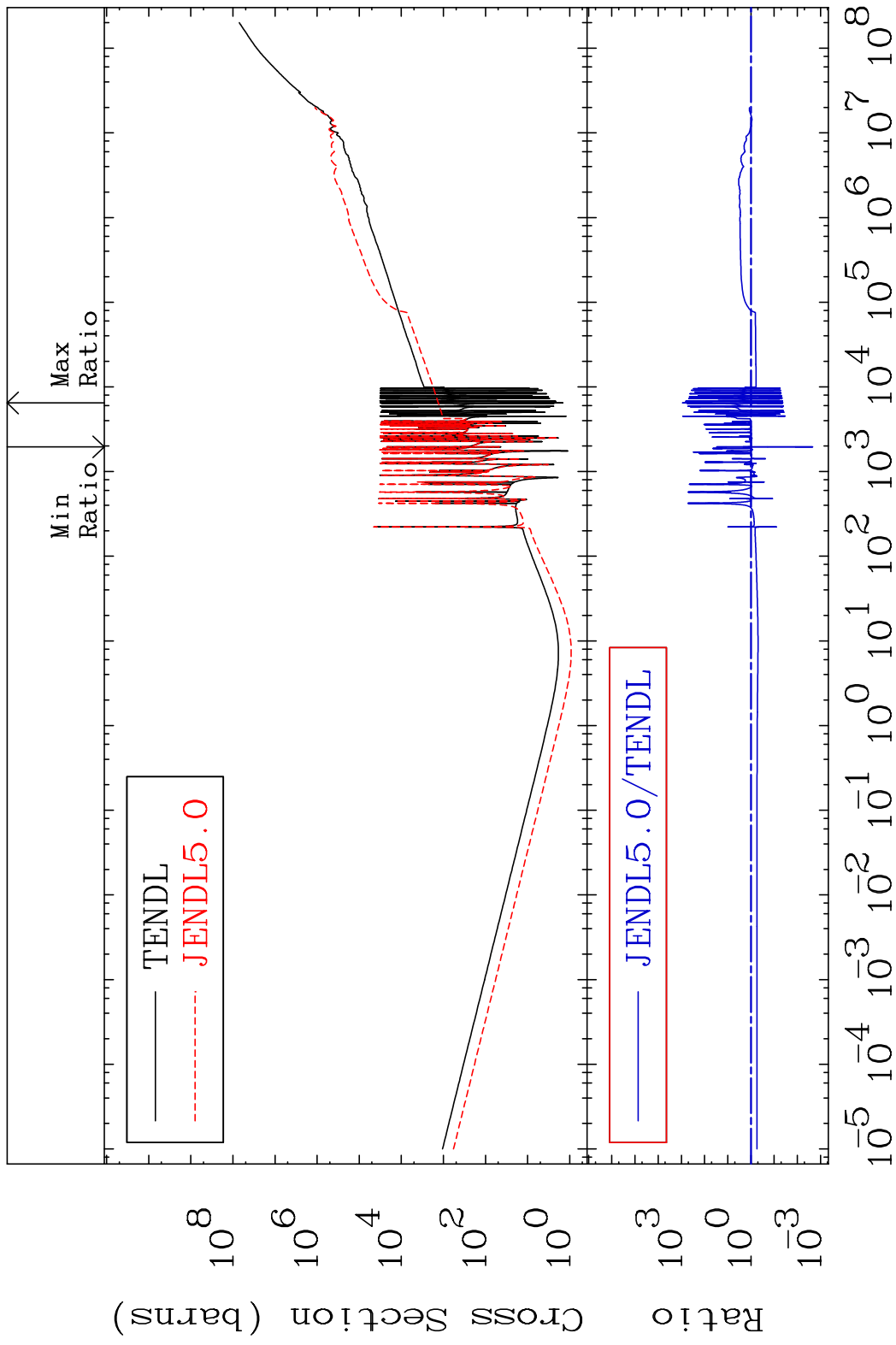


43

Incident Energy (eV)

64-Gd-160

MAT 6449 Kerma total (eV-barns) 64-Gd-160
 Cross Section -99.78 To 9999. %

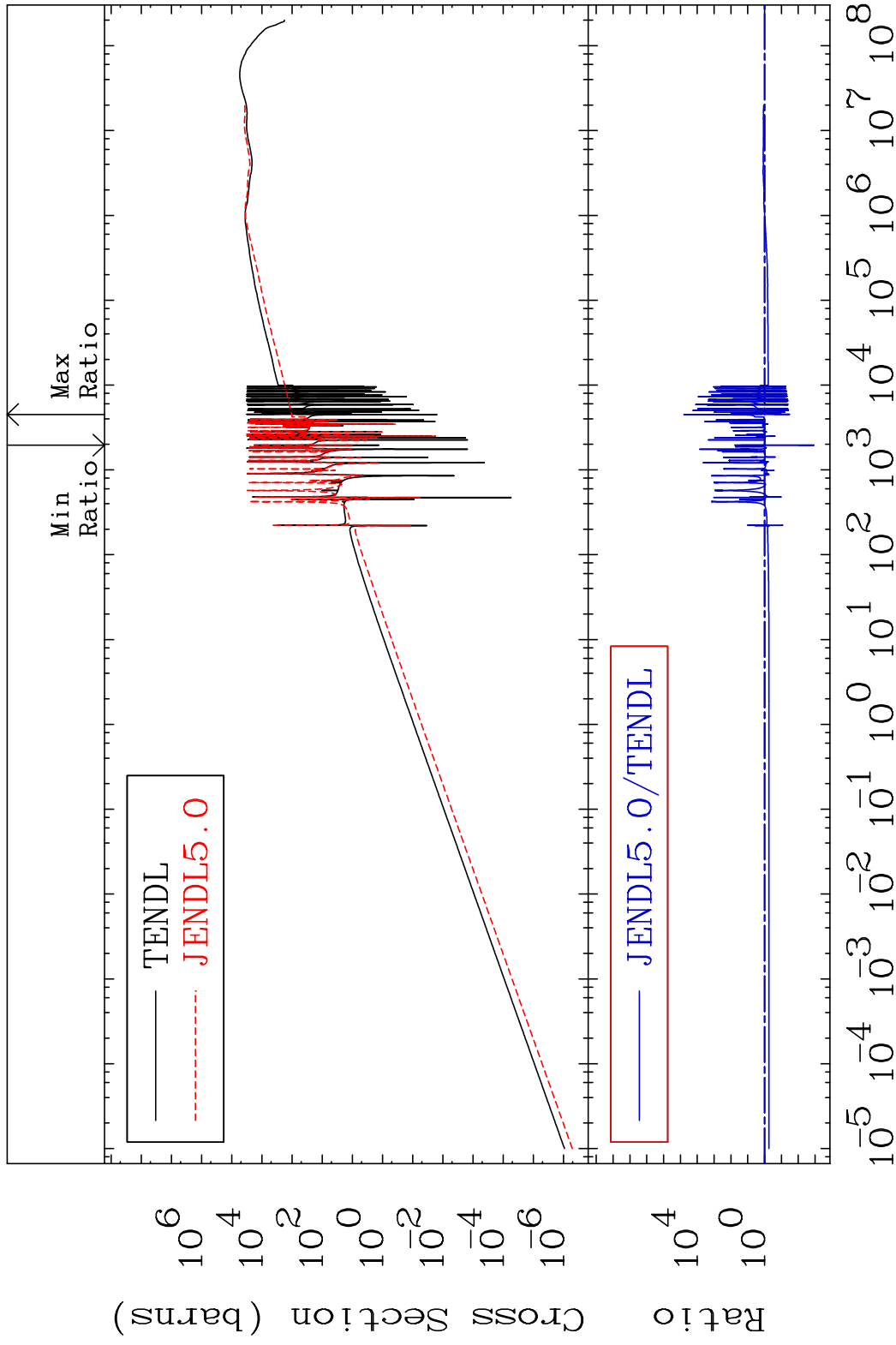


MAT 6449

Kerma elastic

64-Gd-160

Cross Section -99.89 To 9999. %

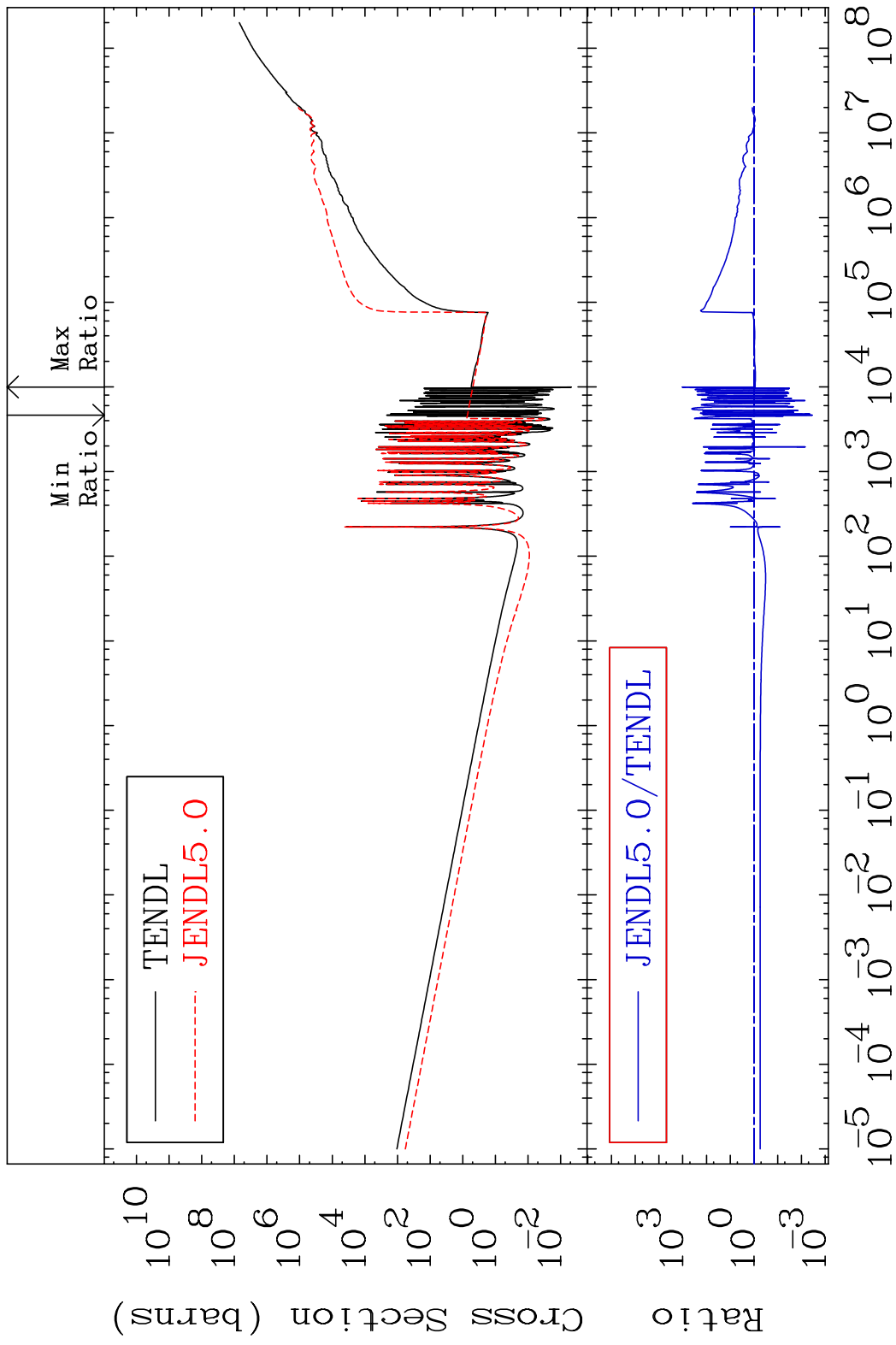


45

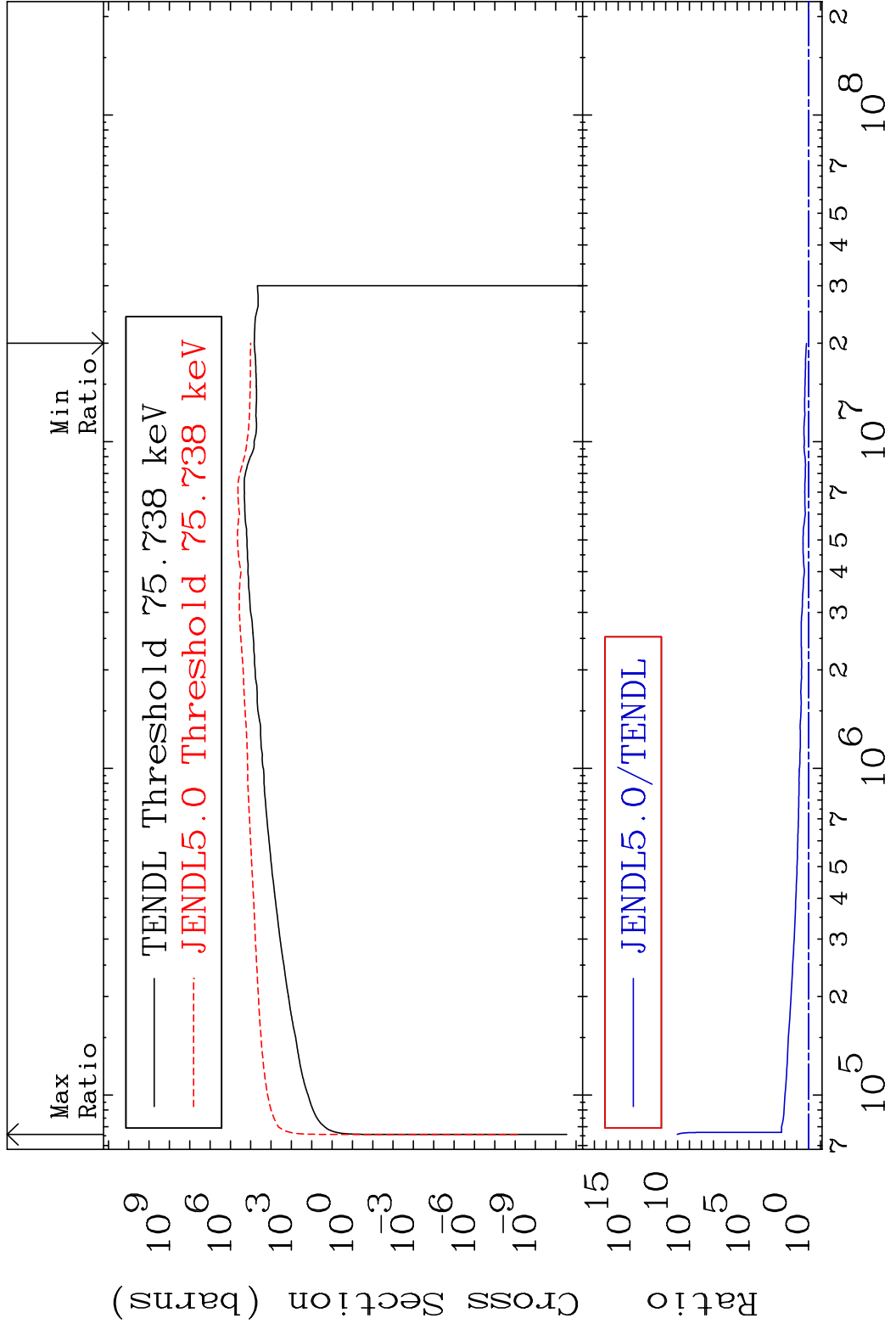
Incident Energy (eV)

64-Gd-160

MAT 6449 Kerma non-elastic (all but mt2) 64-Gd-160
 Cross Section -99.66 To 9999. %

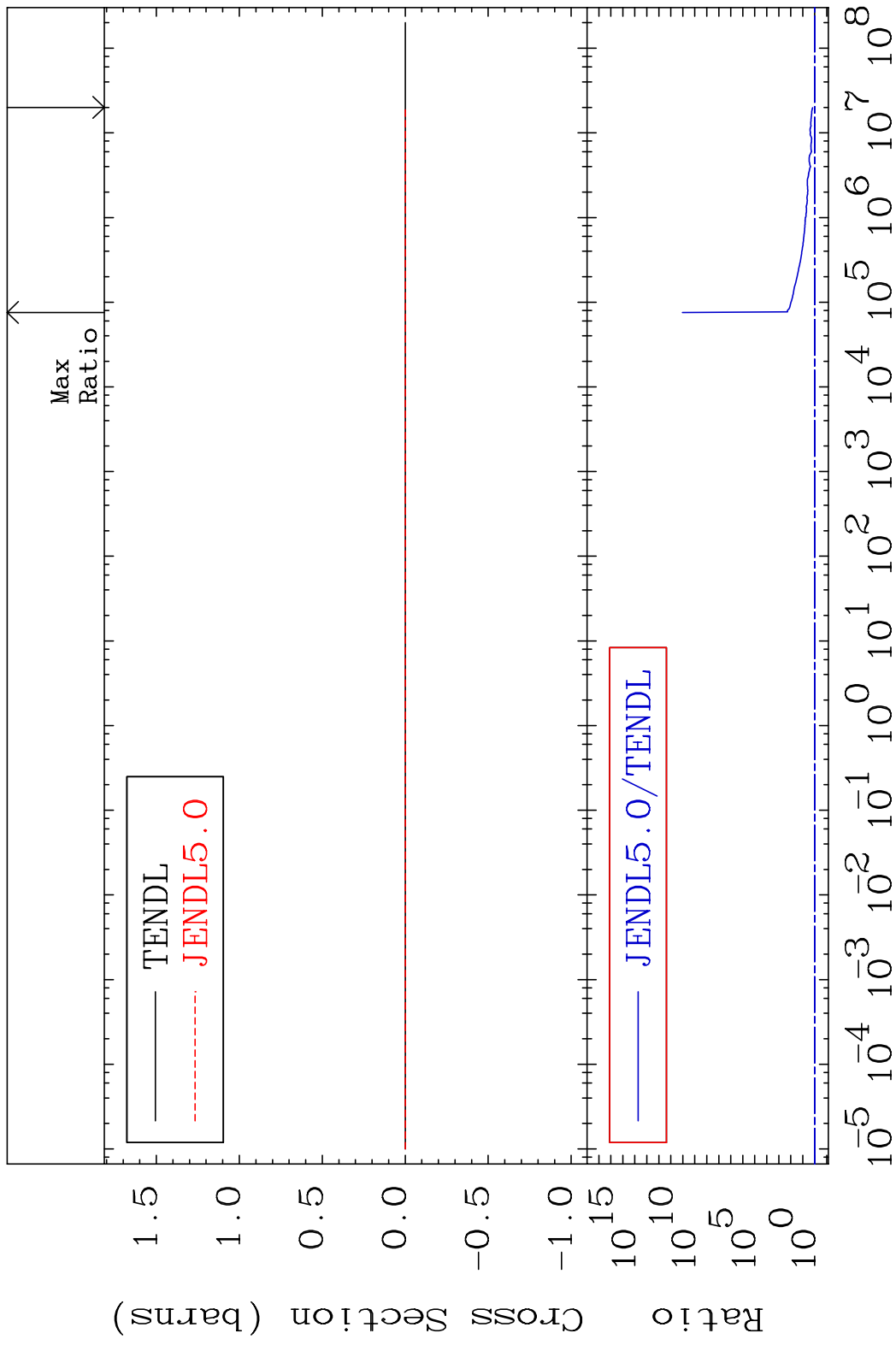


MAT 6449 Kerma inelastic (mt51-91) 64-Gd-160
 Cross Section 52.01 To 9999. %

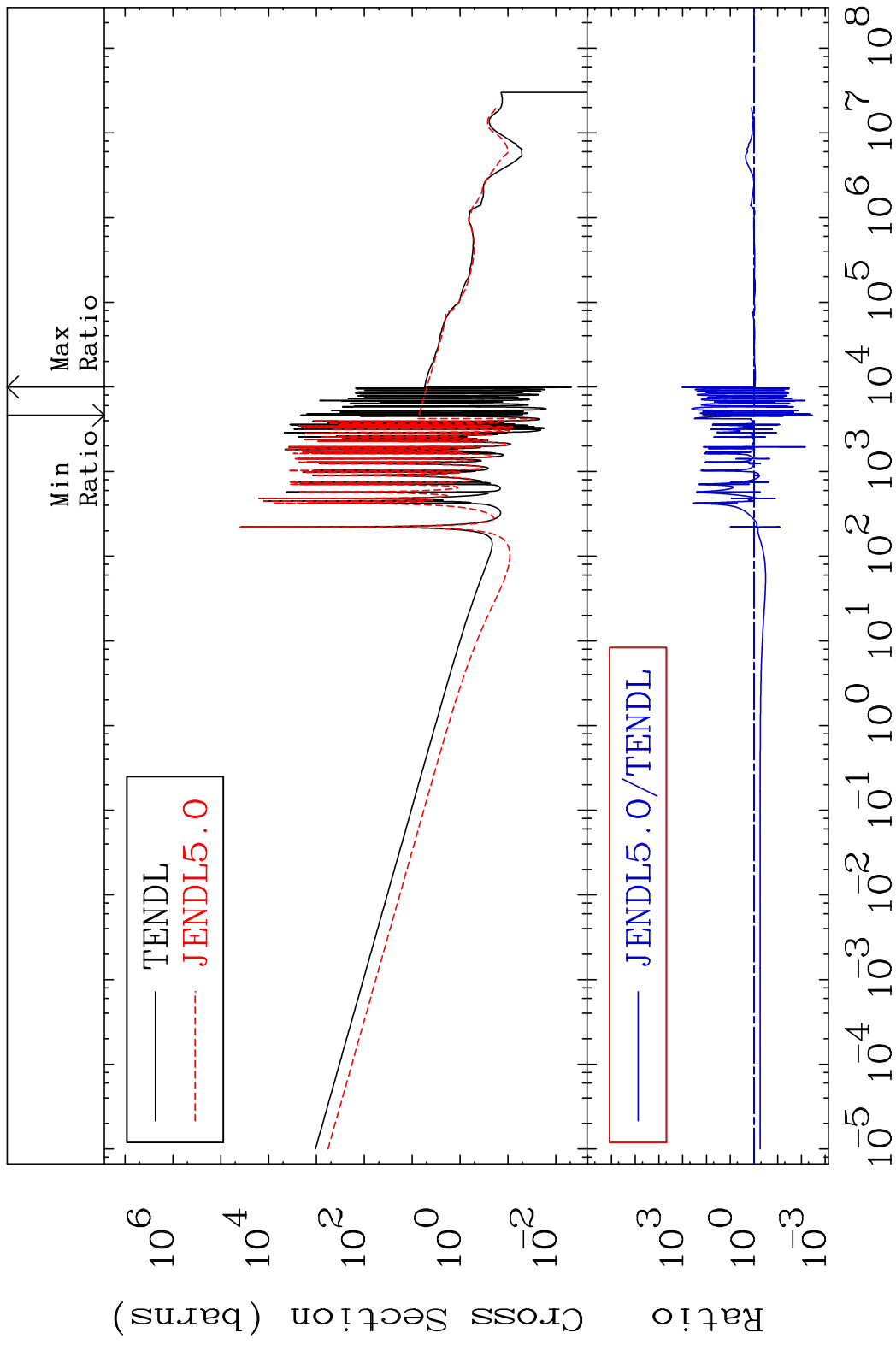


47 64-Gd-160

MAT 6449 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-160
 Cross Section 52.01 To 9999. %

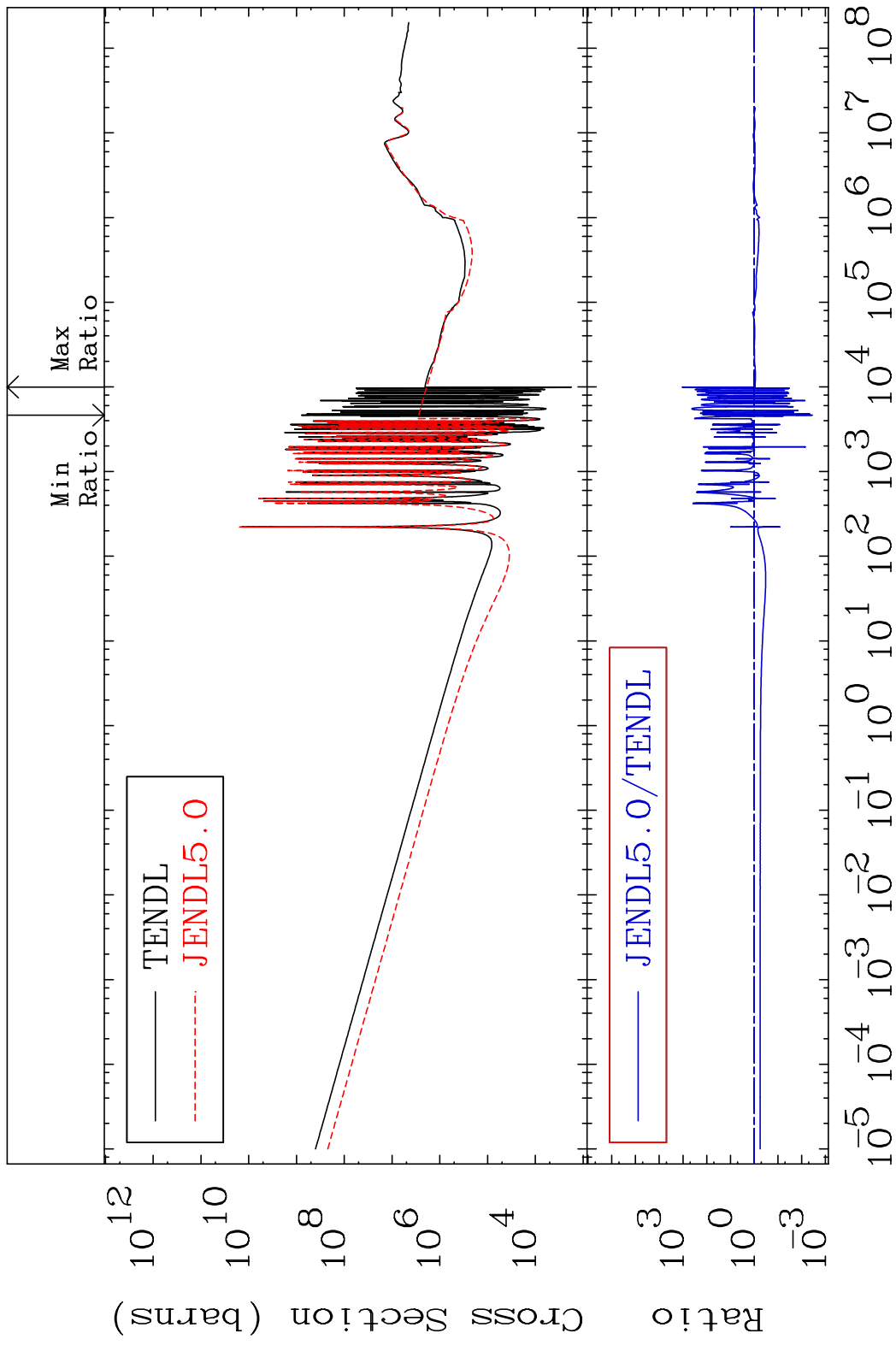


MAT 6449 Kerma capture (mt102) 64-Gd-160
 Cross Section -99.66 To 9999. %



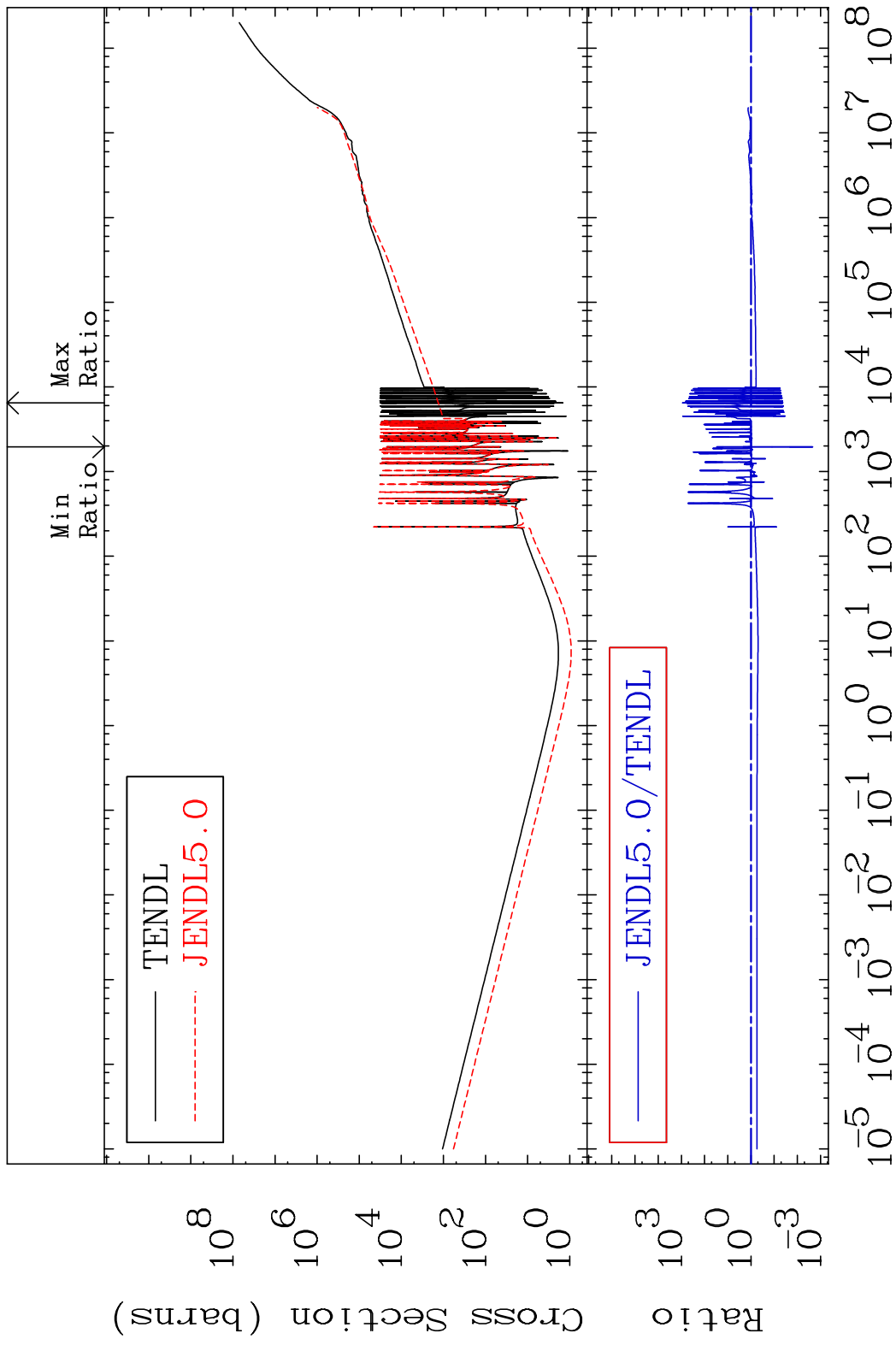
49 Incident Energy (eV) 64-Gd-160

MAT 6449 Total photon (eV-barns) 64-Gd-160
Cross Section -99.65 To 9999. %

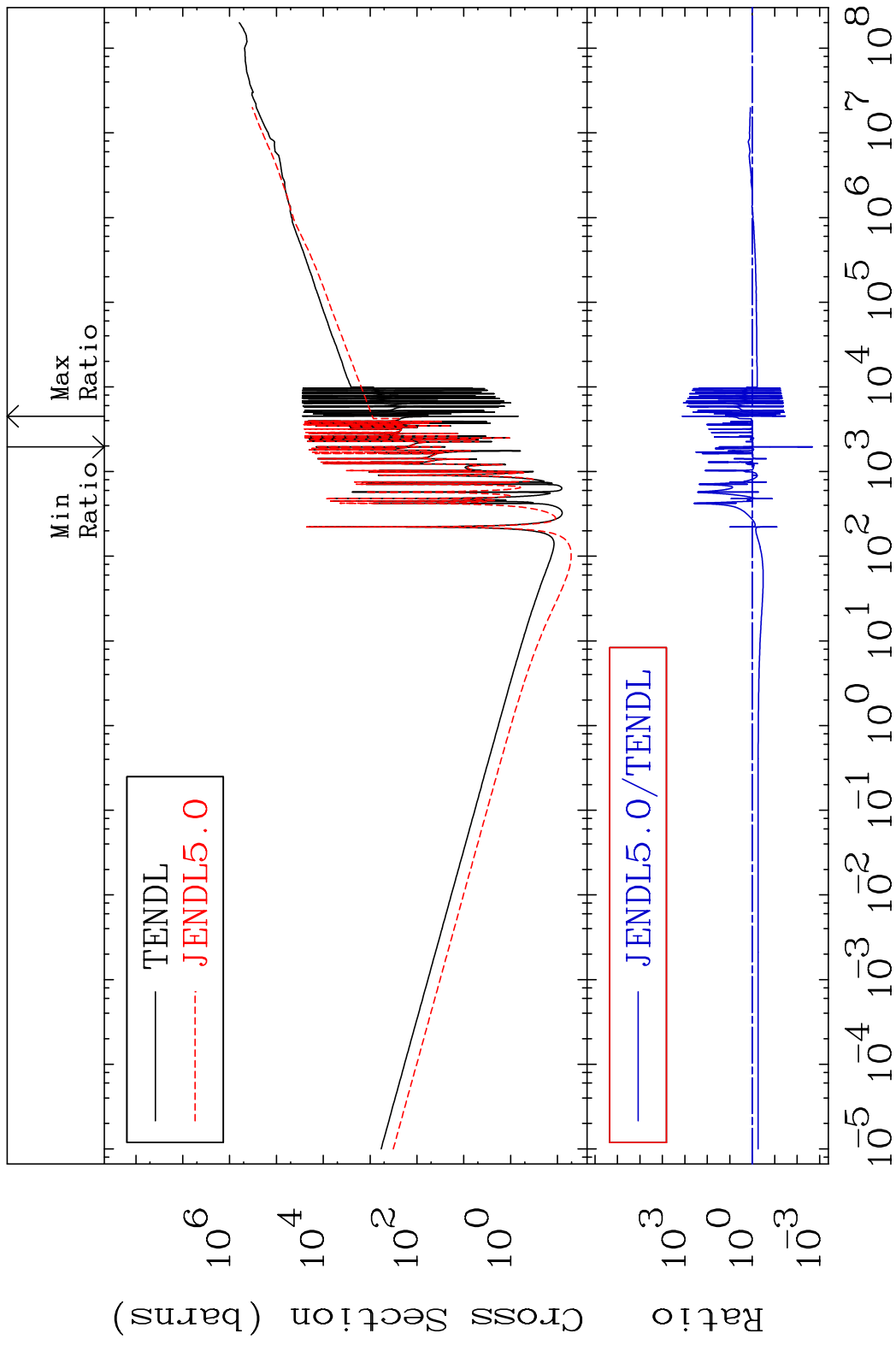


50 Incident Energy (eV) 64-Gd-160

MAT 6449 Total kinematic kerma (high limit) 64-Gd-160
 Cross Section -99.78 To 9999. %



MAT 6449 Dpa total (eV-barns) 64-Gd-160
 Cross Section -99.79 To 9999. %

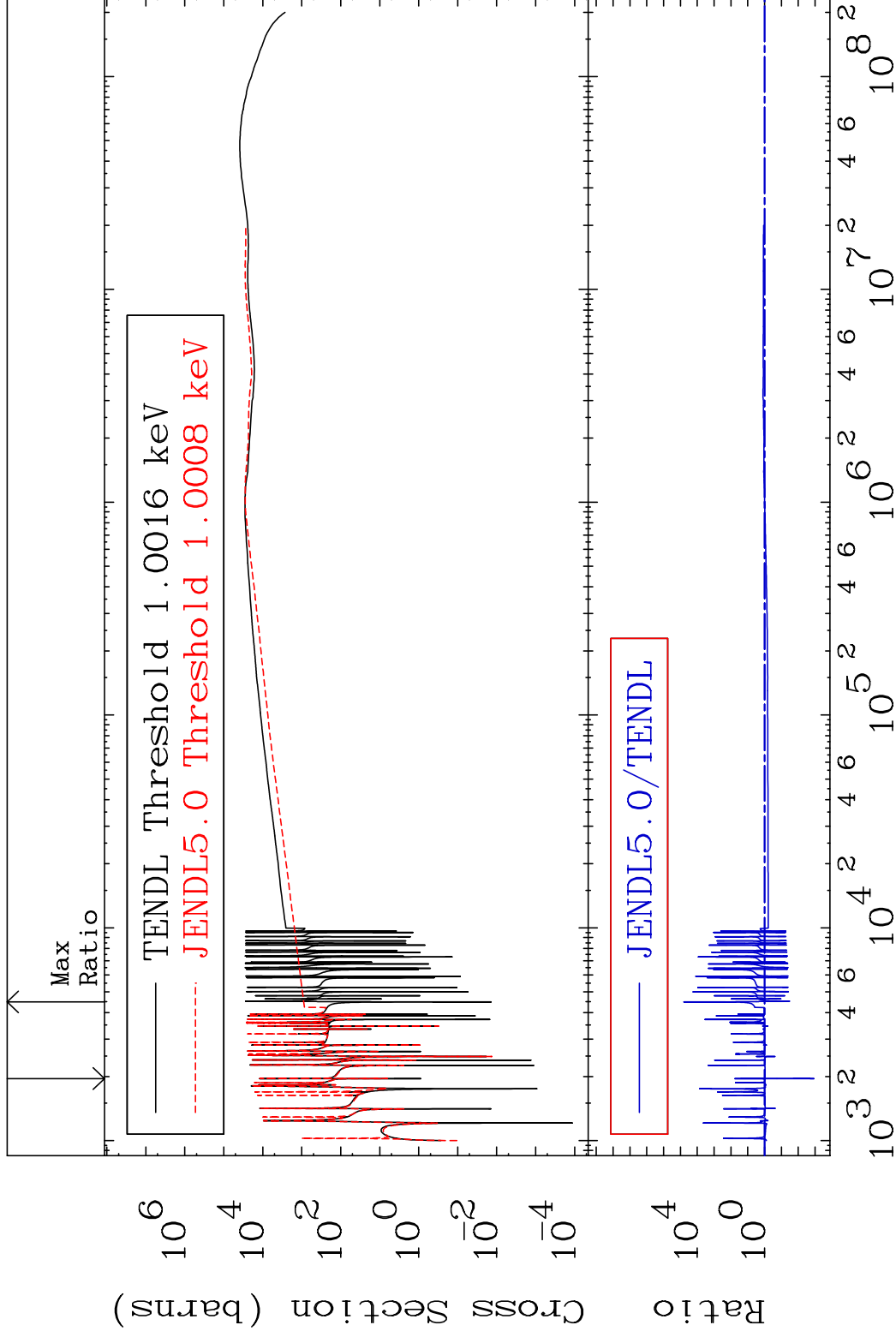


MAT 6449

Dpa elastic (mt2)

64-Gd-160

Cross Section -99.89 To 9999. %

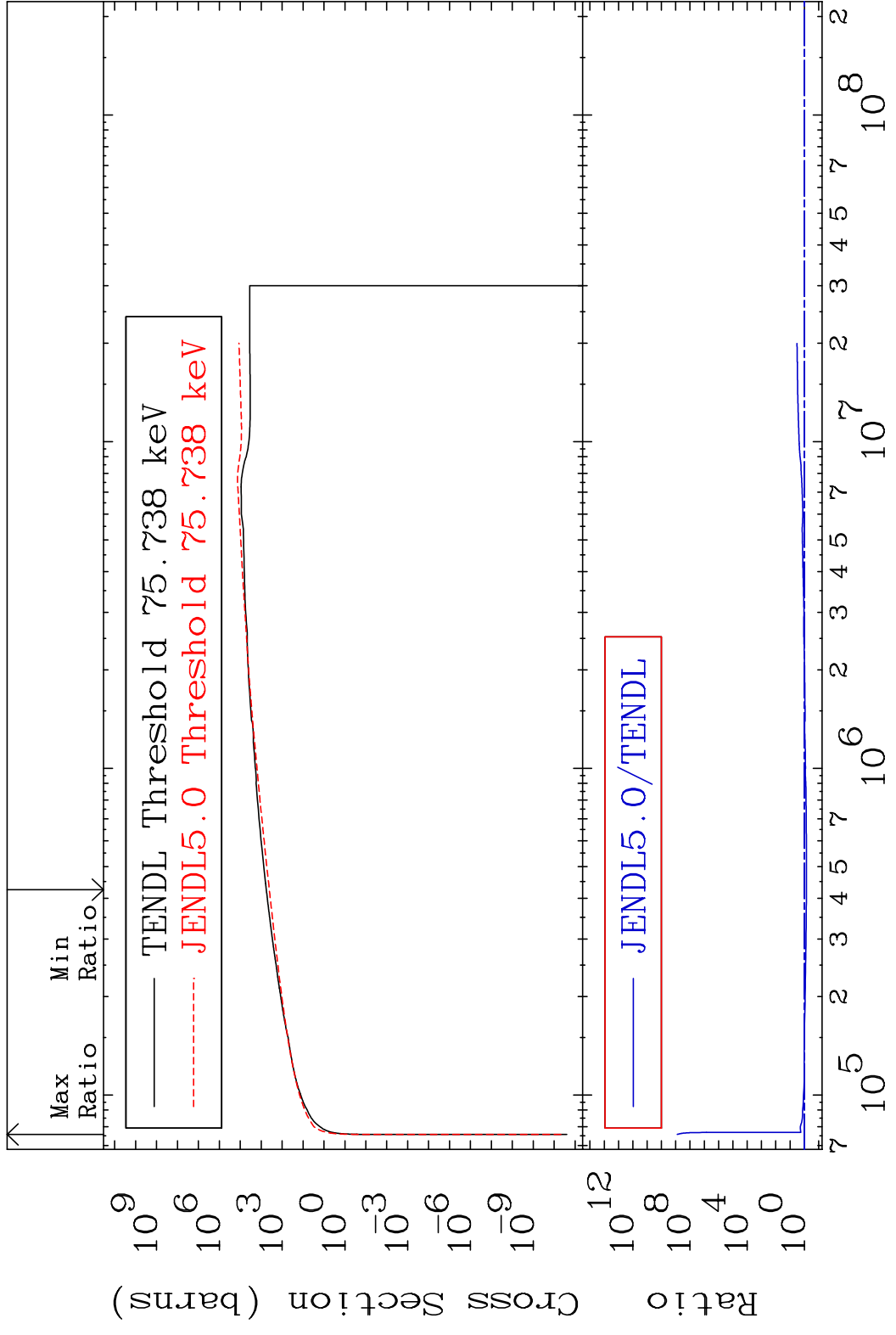


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Incident Energy (eV)

64-Gd-160

MAT 6449 Dpa inelastic (mt51-91) 64-Gd-160
 Cross Section -28.24 To 9999. %



MAT 6449 Dpa disappearance (mt102 -120) 64-Gd-160
 Cross Section -99.66 To 9999. %

