

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

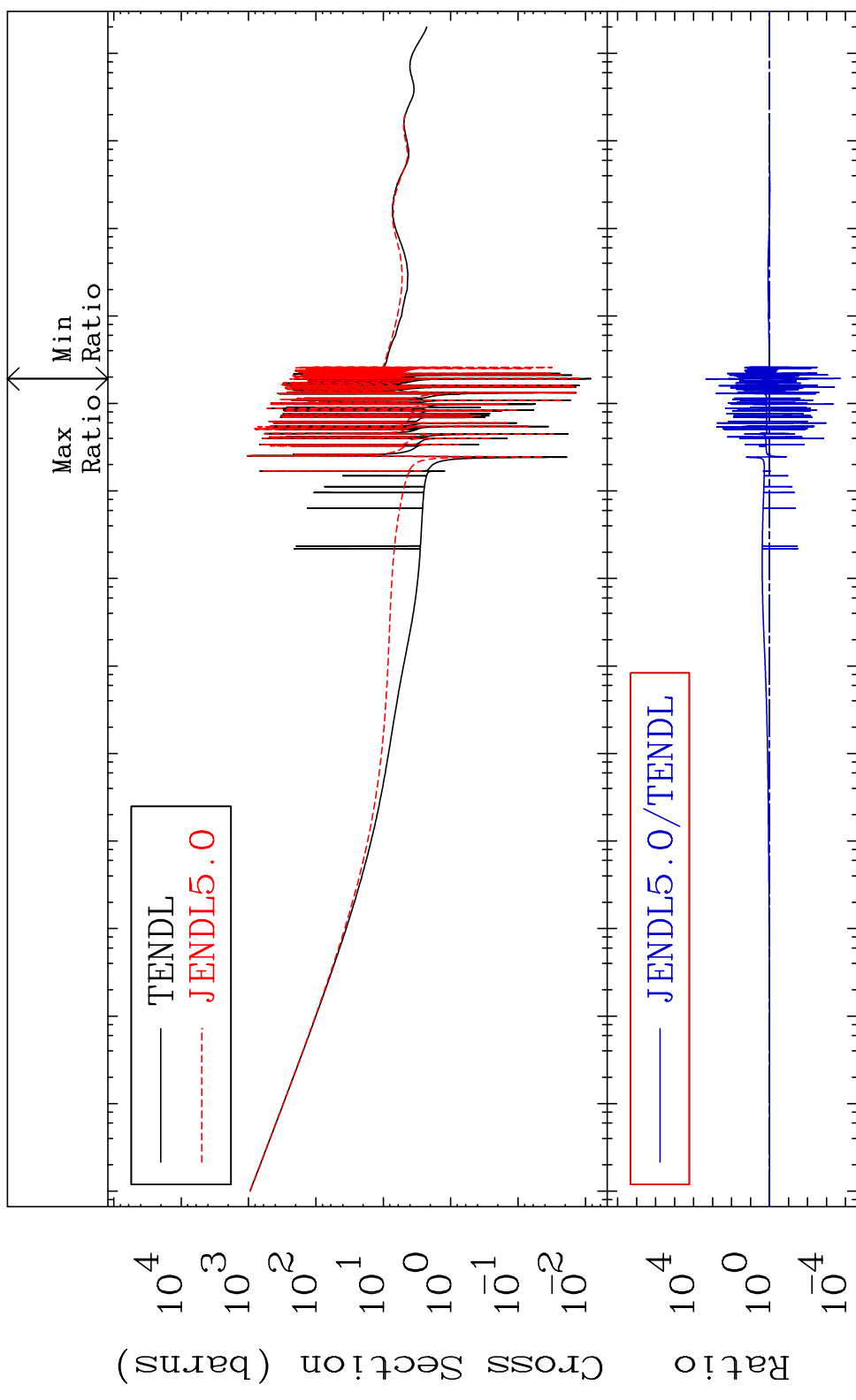
MAT 6025

Total

60-Nd-142

Cross Section

-99.98 To 9999. %



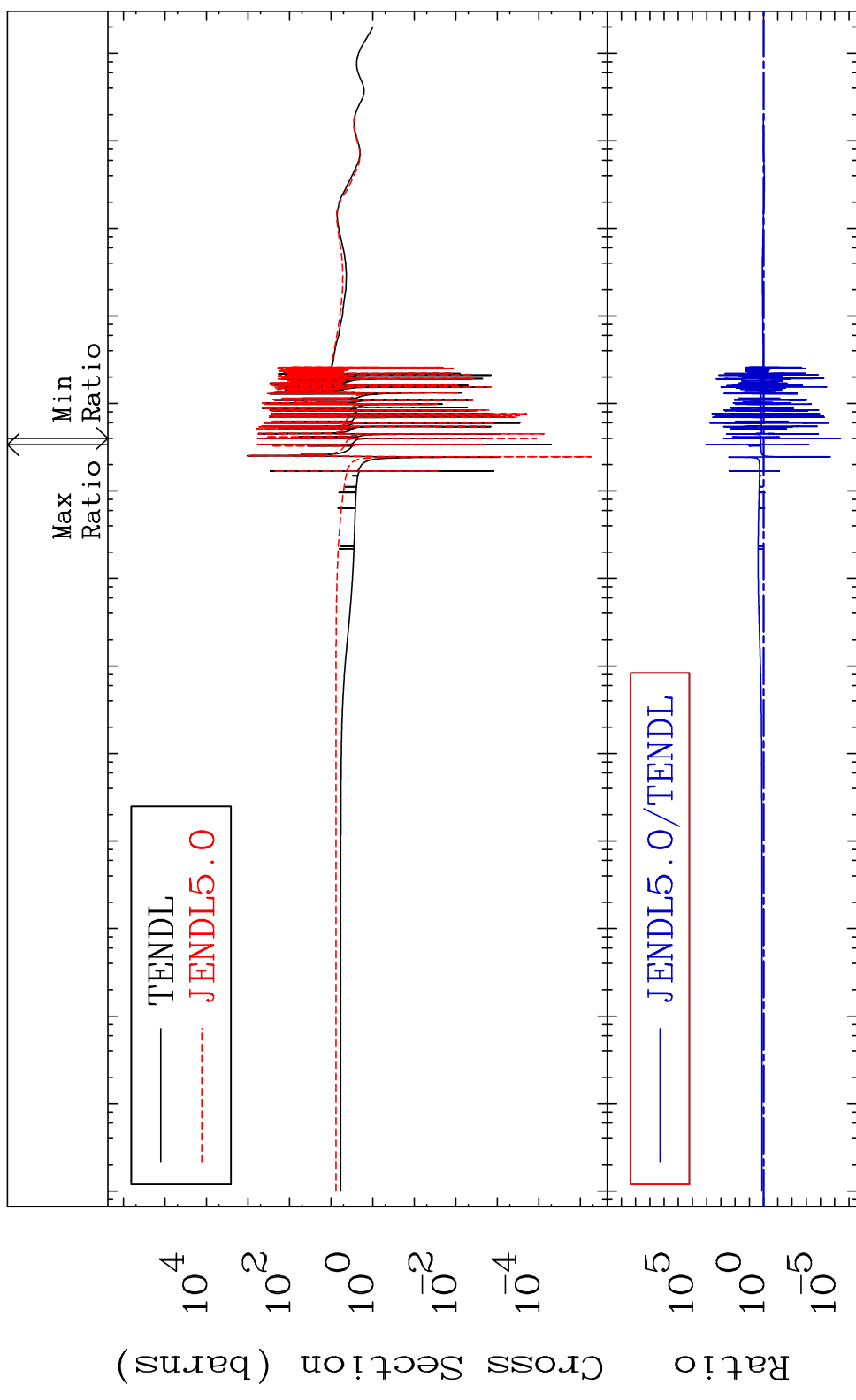
1

Incident Energy (eV)

60-Nd-142

MAT 6025

Elastic Cross Section -100.0 To 9999. %
60-Nd-142



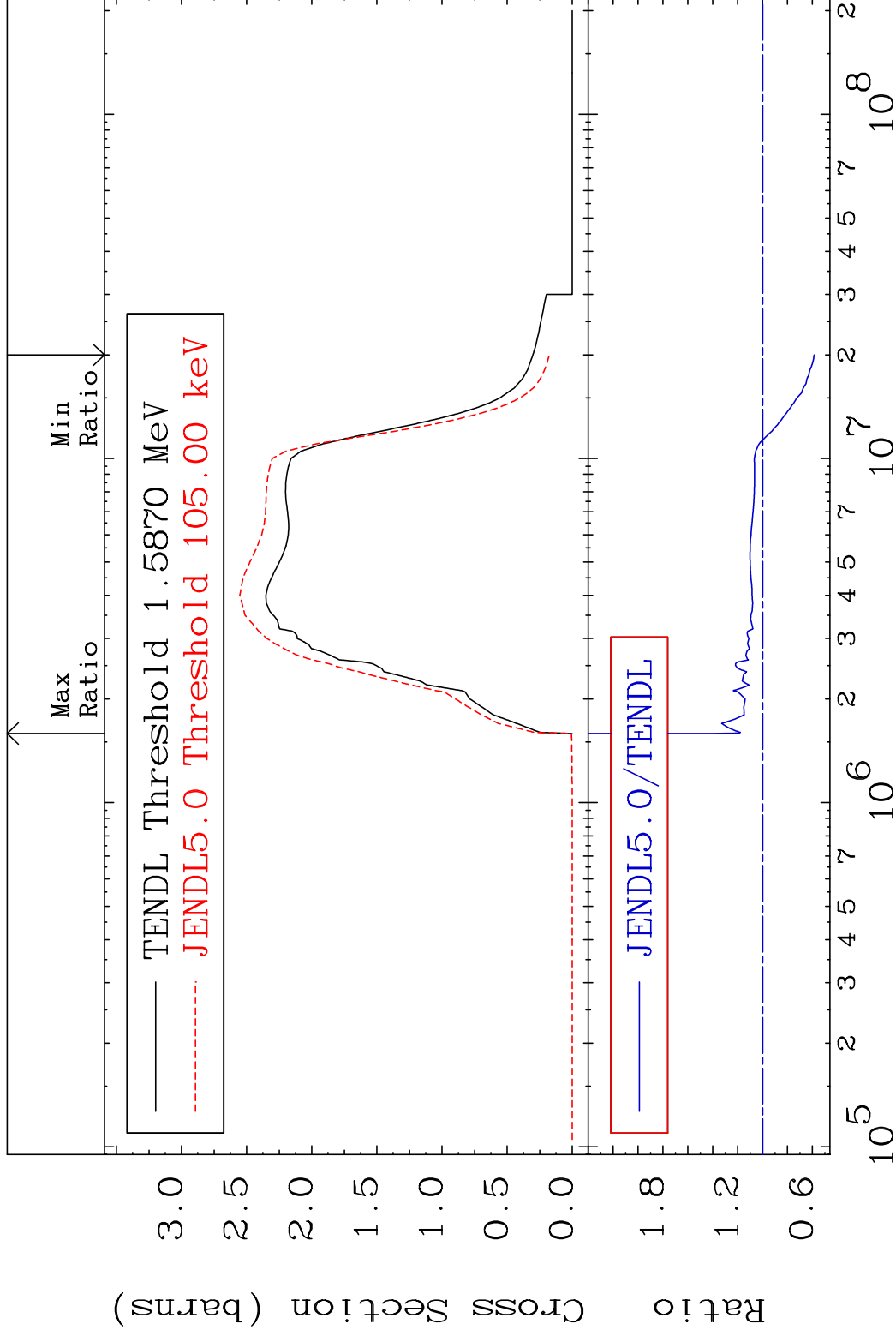
MAT 6025

Inelastic

60-Nd-142

Cross Section

-41.34 To 63.42 %



3

Incident Energy (eV)

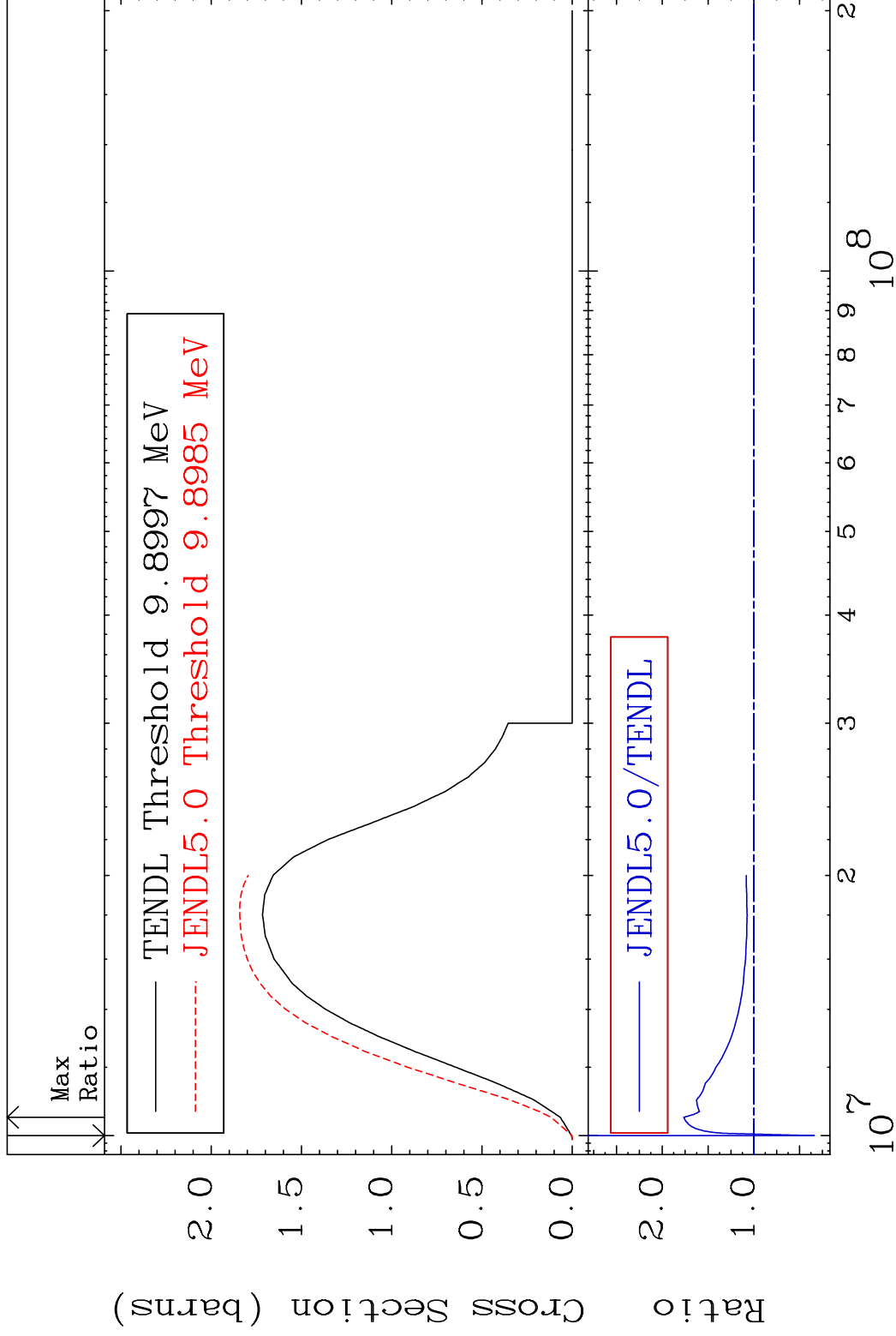
60-Nd-142

MAT 6025

(n,2n)

60-Nd-142

Cross Section -65.84 To 76.66 %



Incident Energy (eV)

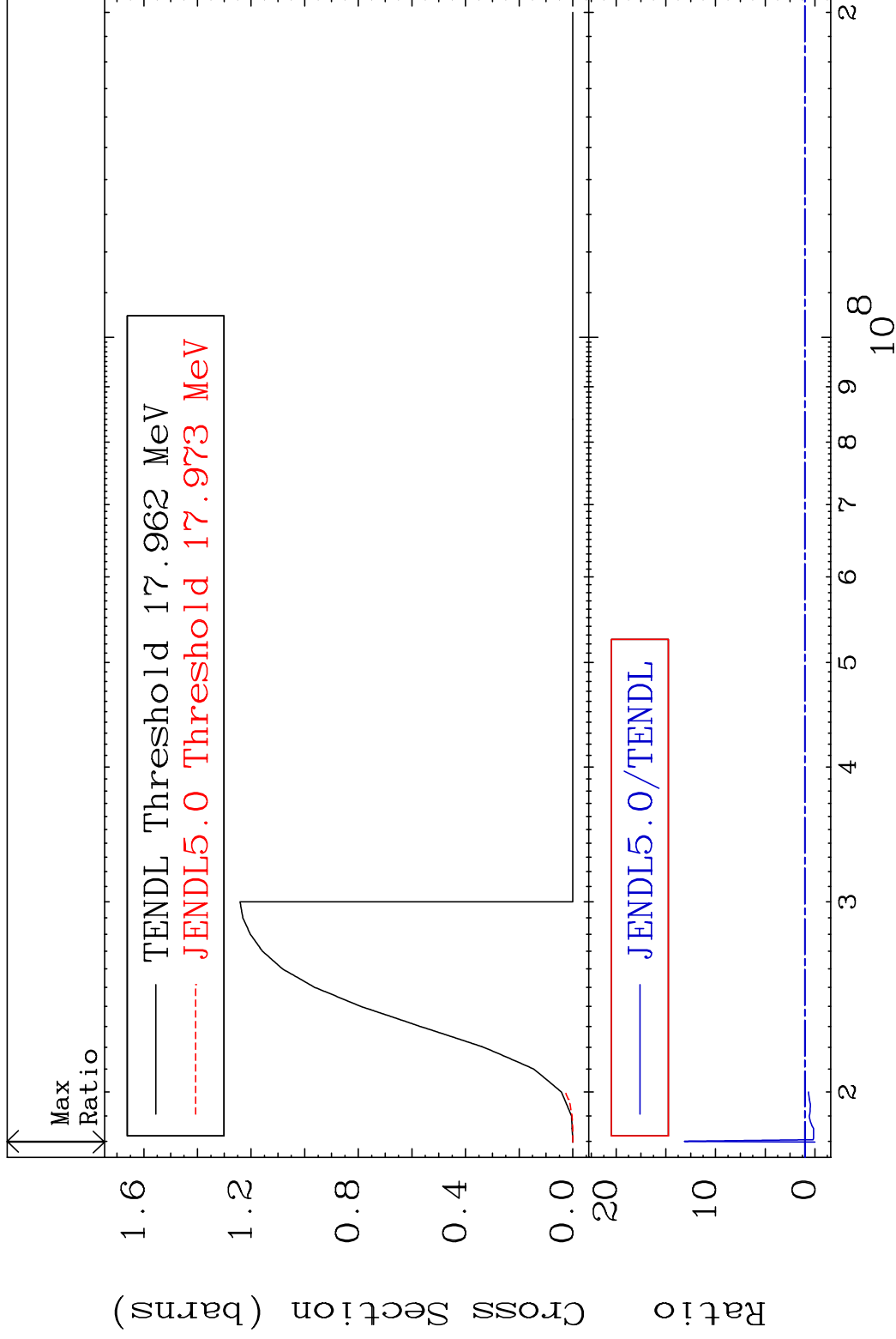
60-Nd-142

MAT 6025

(n,3n)

60-Nd-142

Cross Section -100.0 To 1214. %

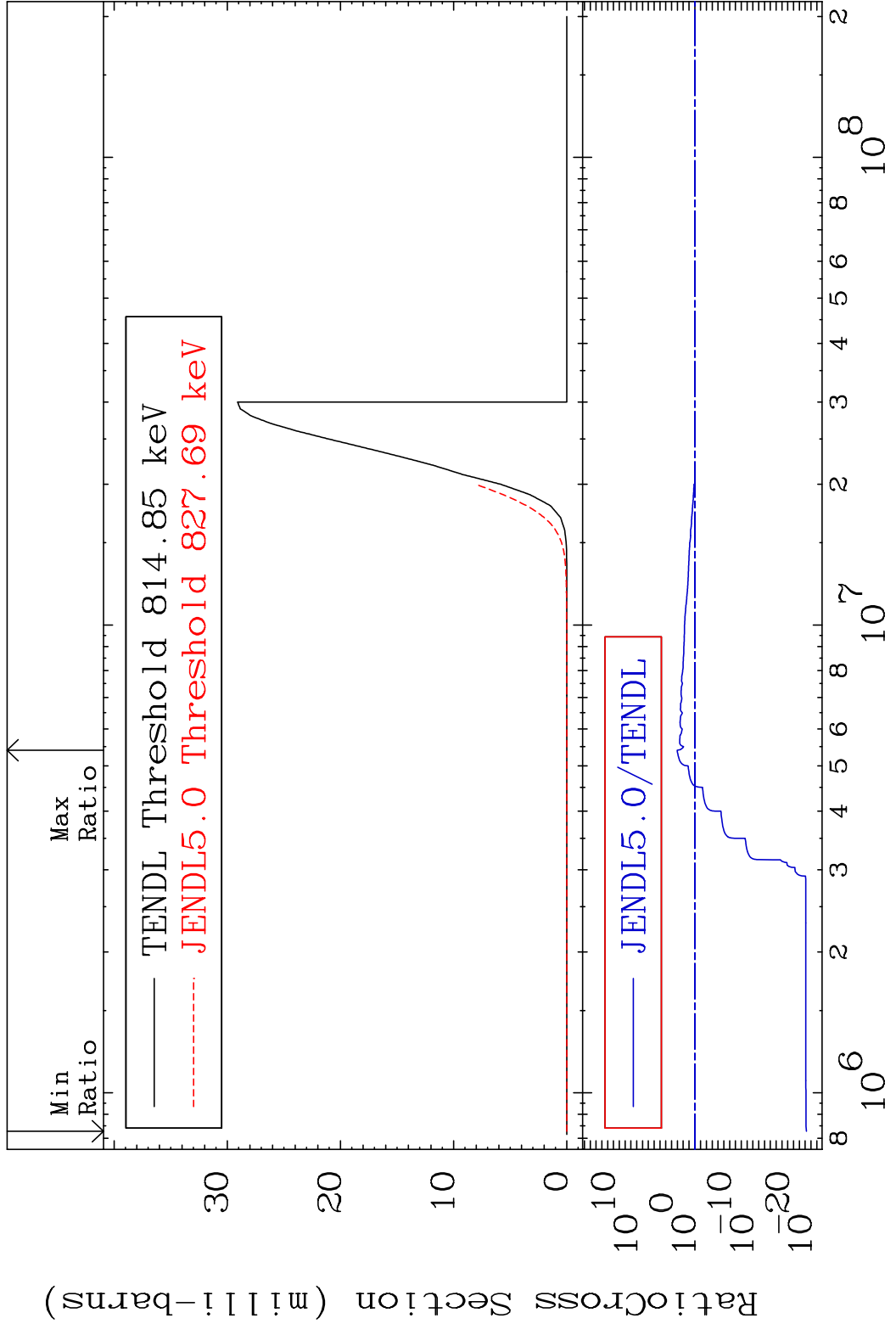


5

Incident Energy (eV)

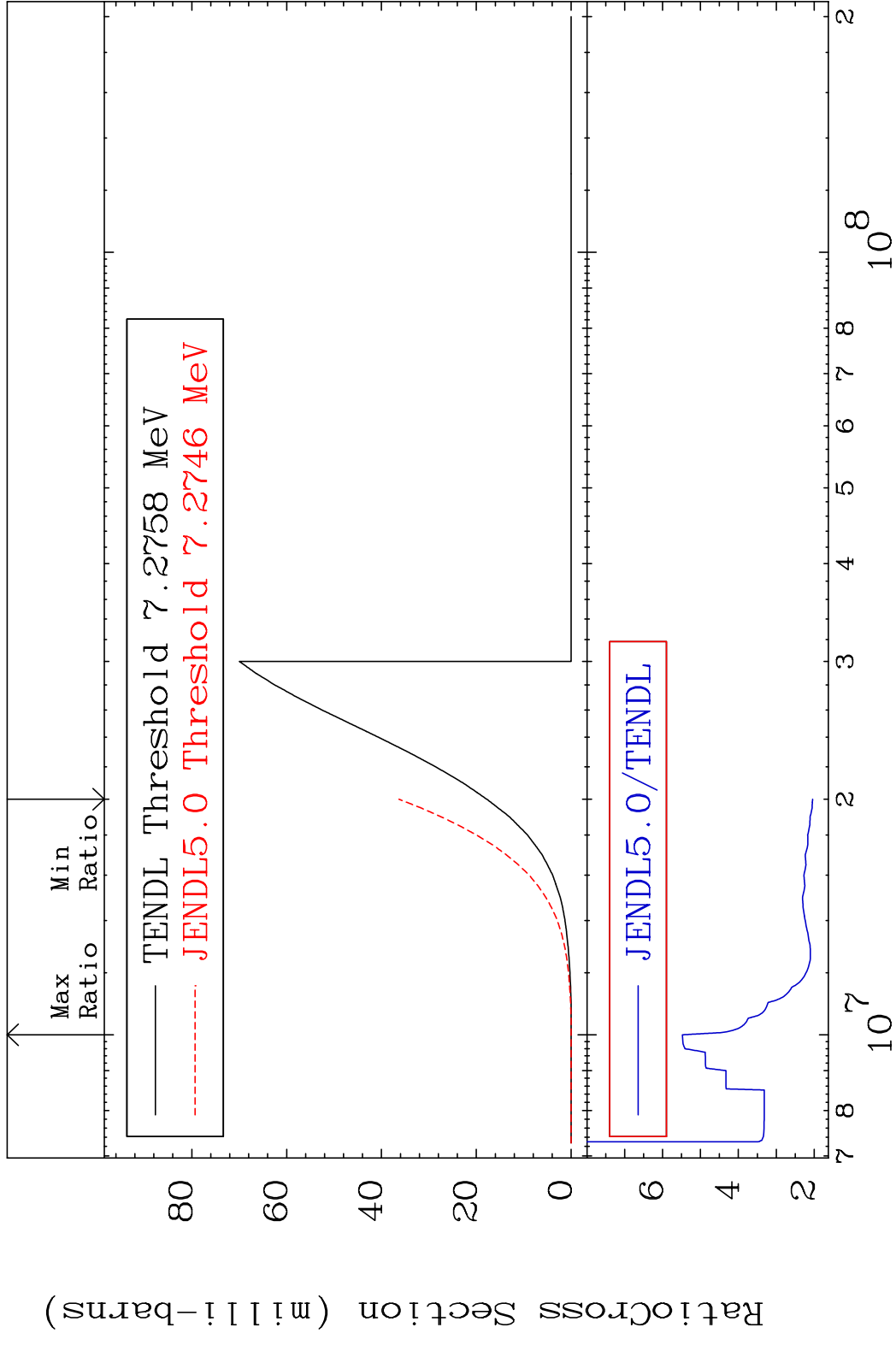
60-Nd-142

MAT 6025 (n, n') α 60-Nd-142
 Cross Section -100.0 To 9999. %



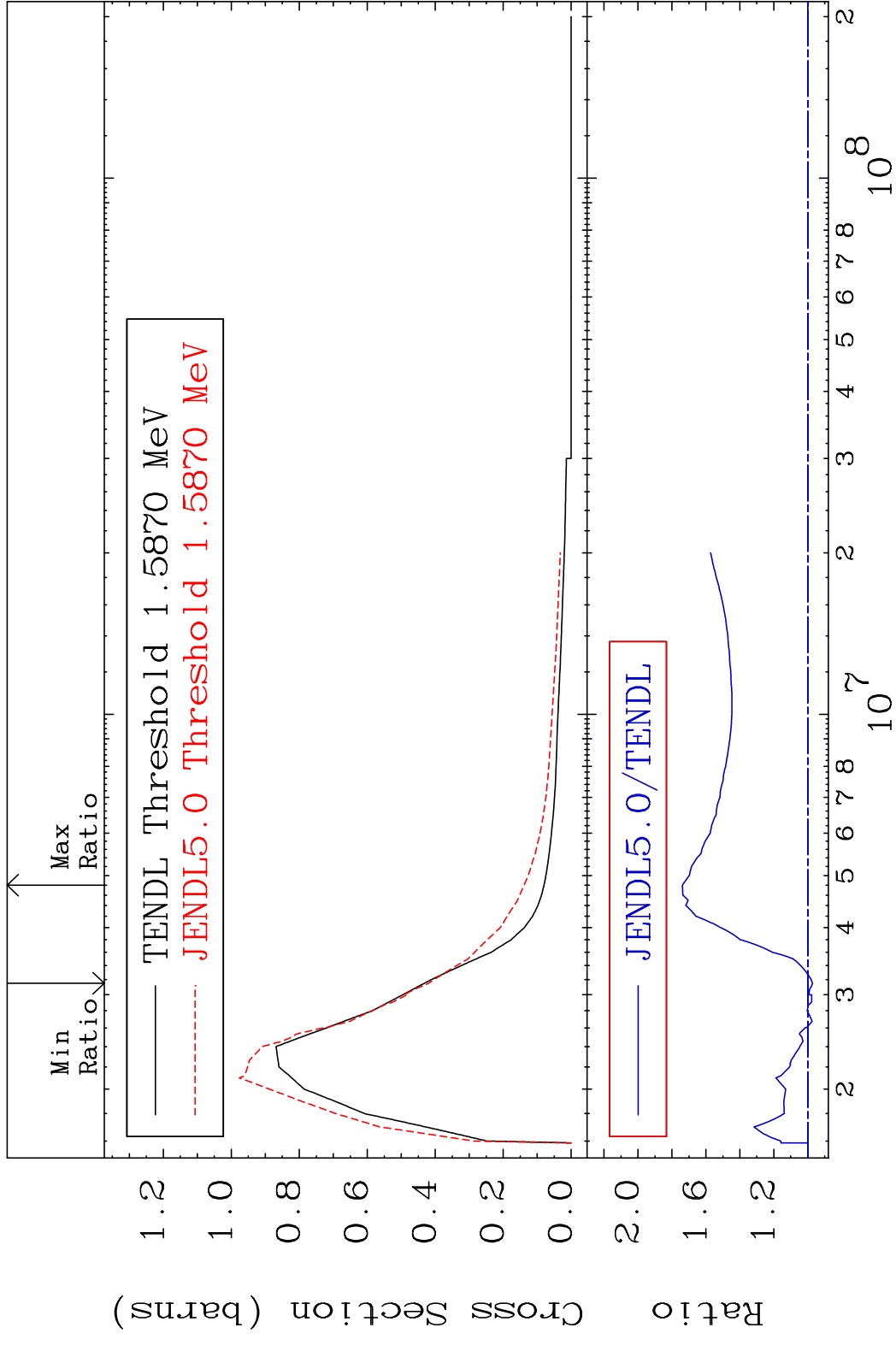
6 Incident Energy (eV) 60-Nd-142

MAT 6025 (n, n') p 60-Nd-142
 Cross Section 104.2 To 447.8 %

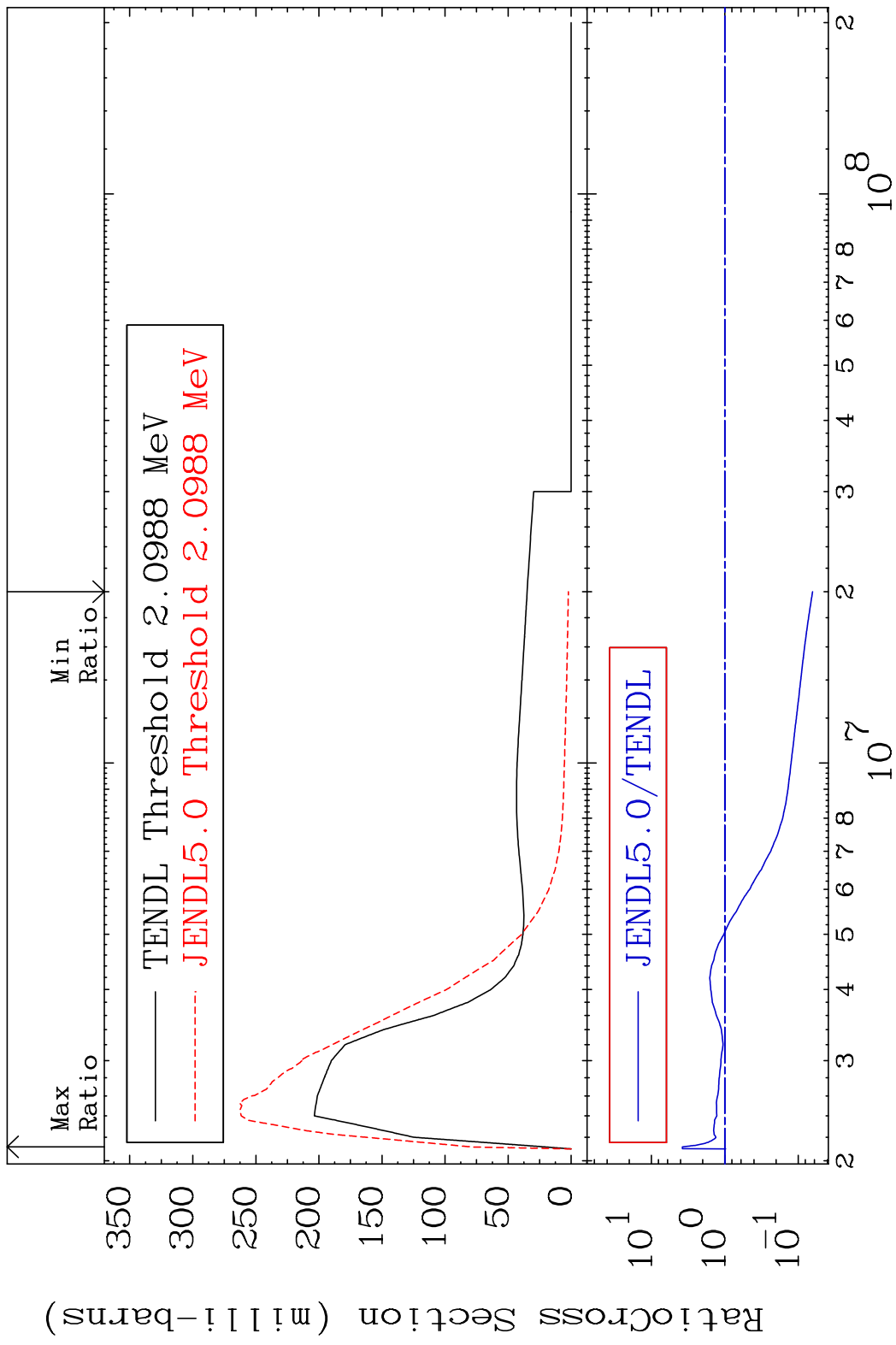


7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 60-Nd-142

MAT 6025 MT= 51 (n,n') Level 60-Nd-142
 Cross Section -2.822 To 73.87 %

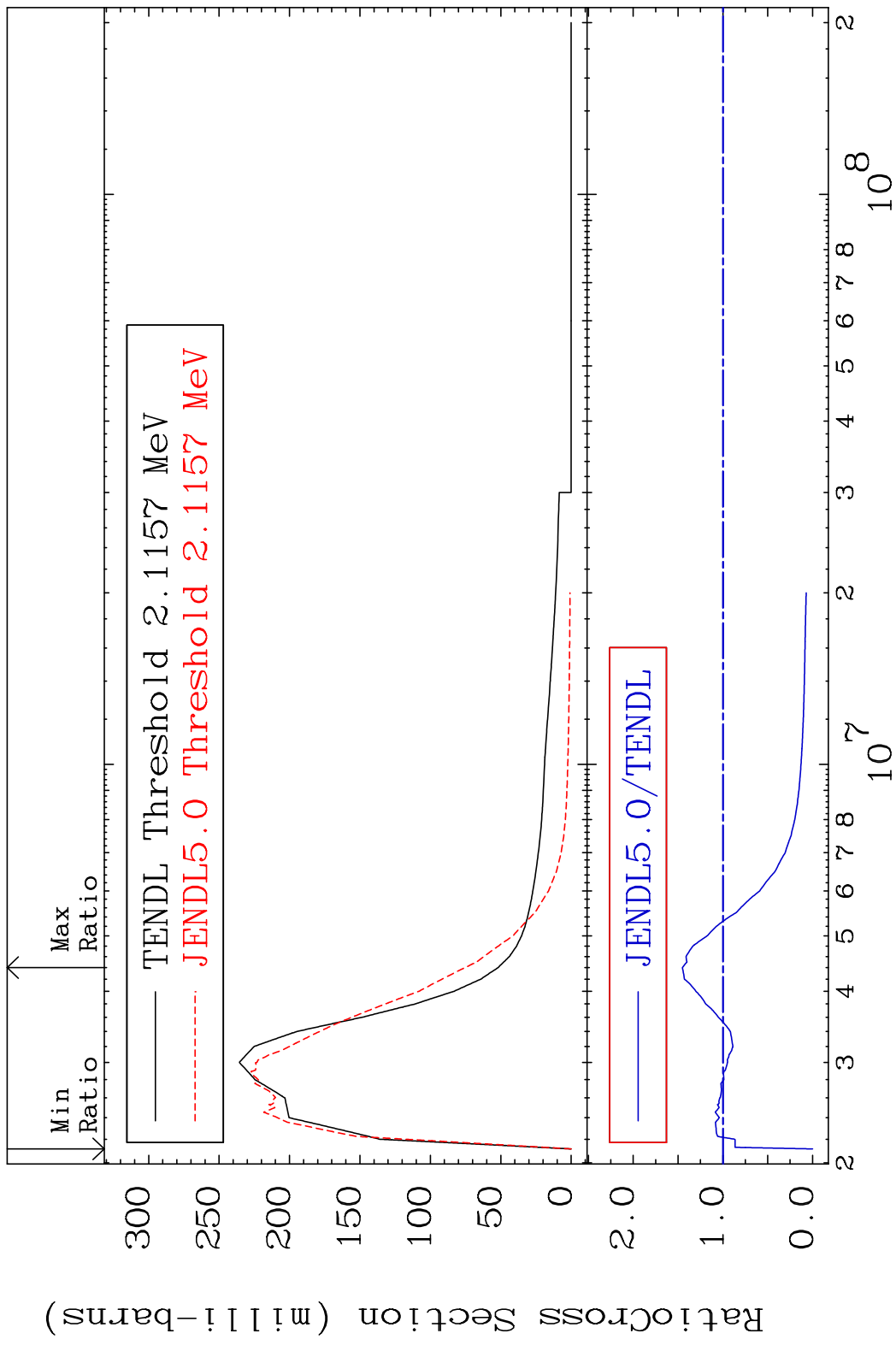


MAT 6025 MT= 52 (n, n') Level 60-Nd-142
 Cross Section -93.64 To 278.1 %

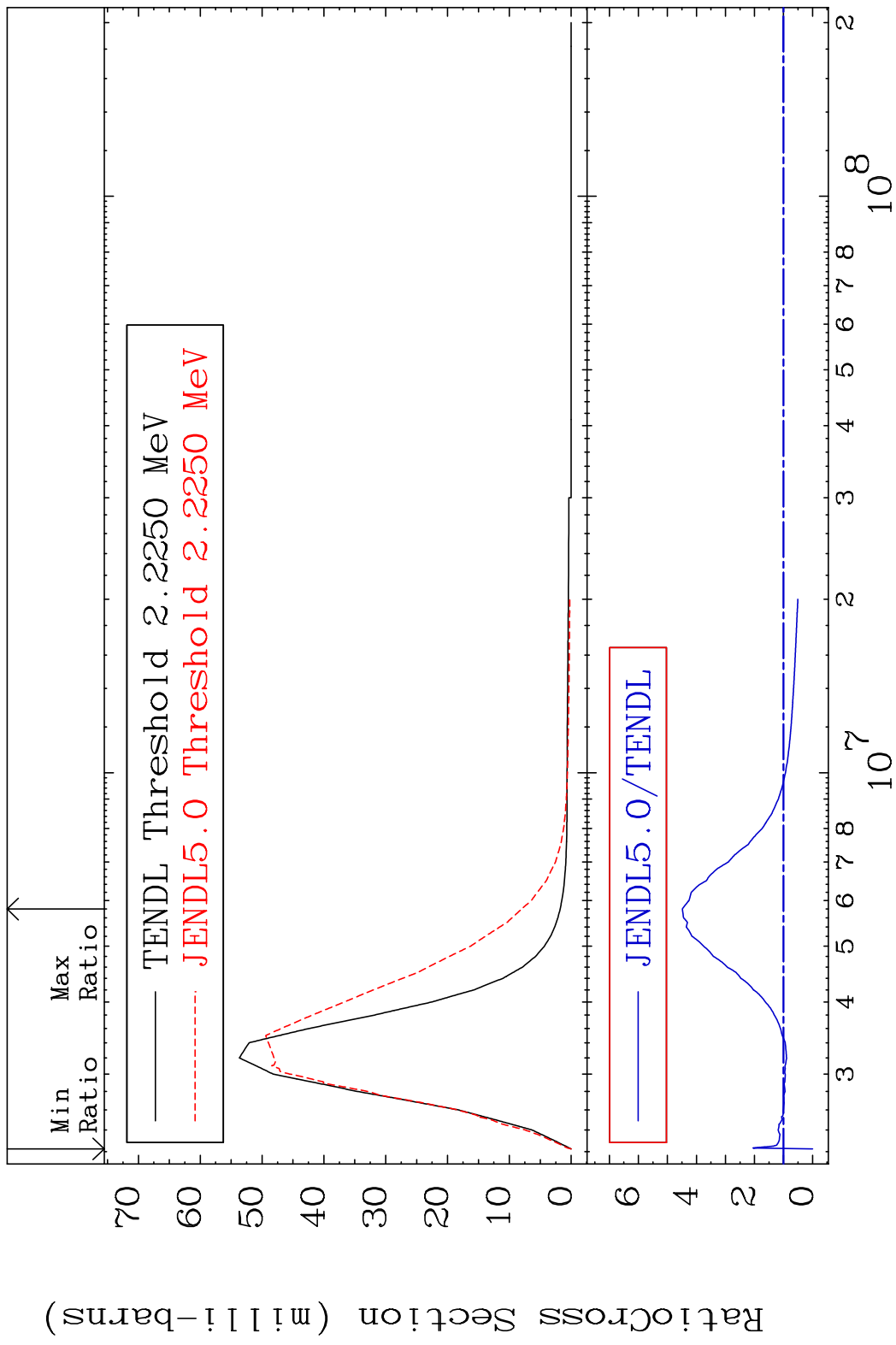


10 Incident Energy (eV) 60-Nd-142

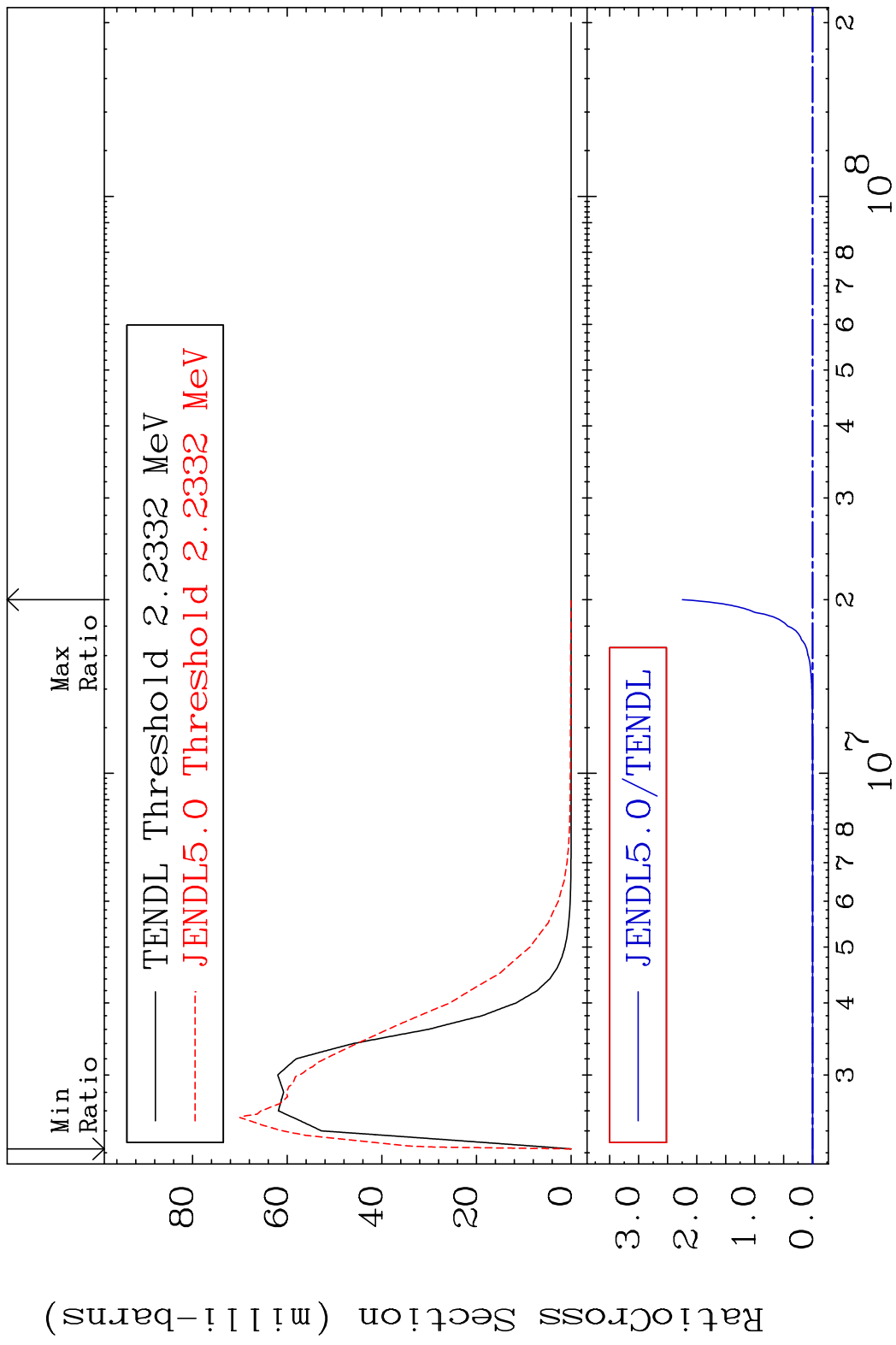
MAT 6025 MT= 53 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 45.21 %



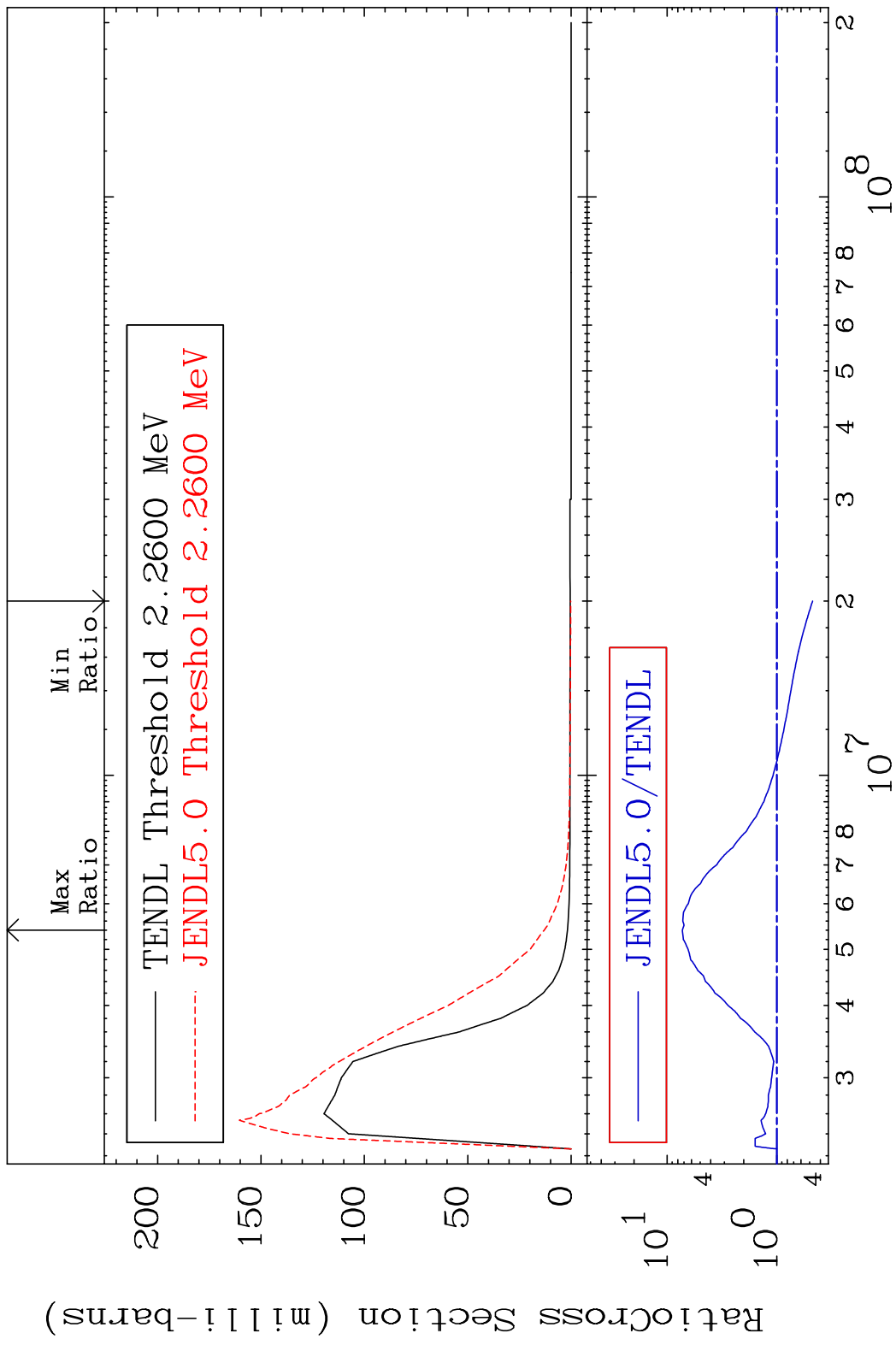
MAT 6025 MT= 54 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 348.6 %



MAT 6025 MT= 55 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 9999. %

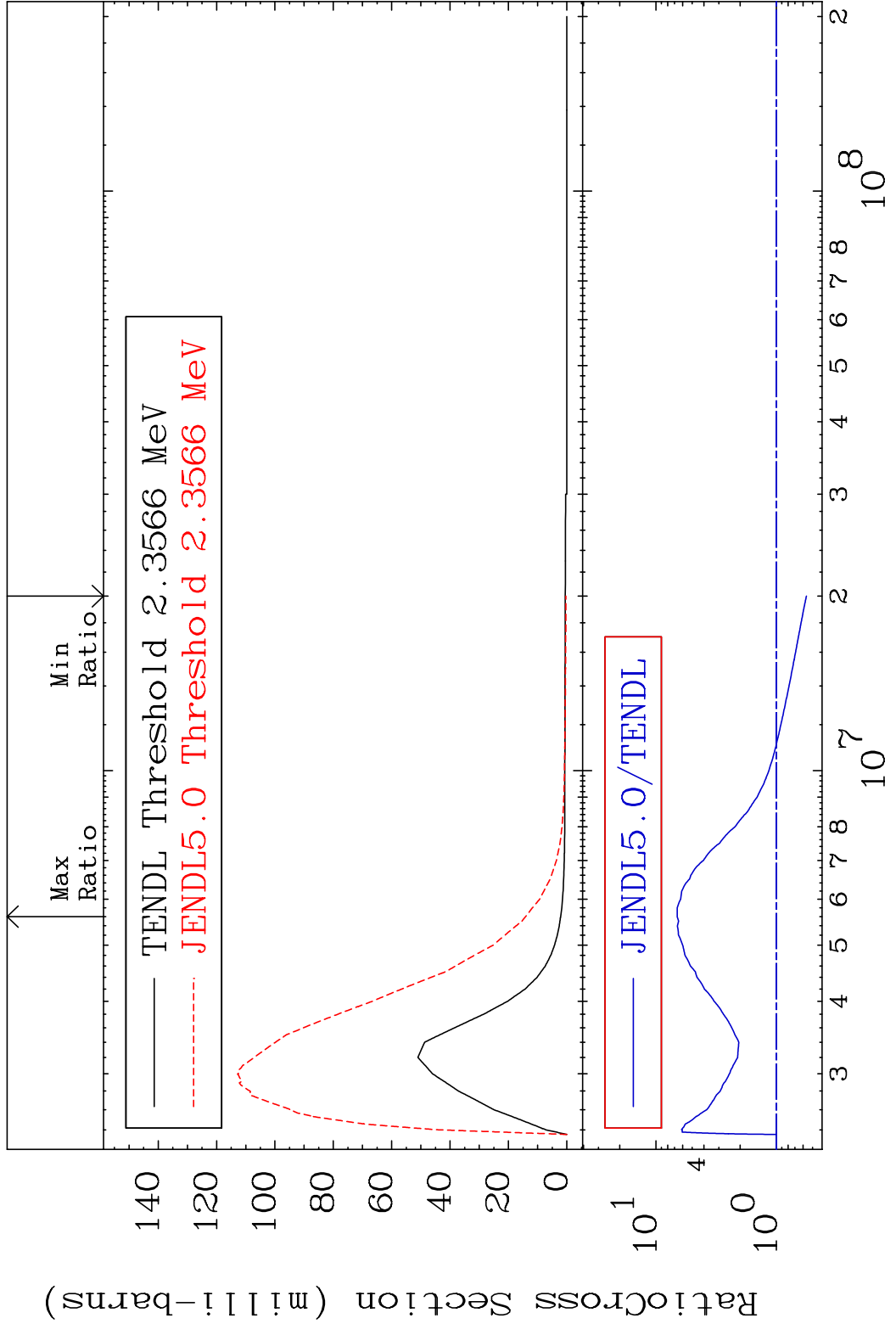


MAT 6025 MT= 56 (n,n') Level 60-Nd-142
 Cross Section -52.91 To 625.8 %

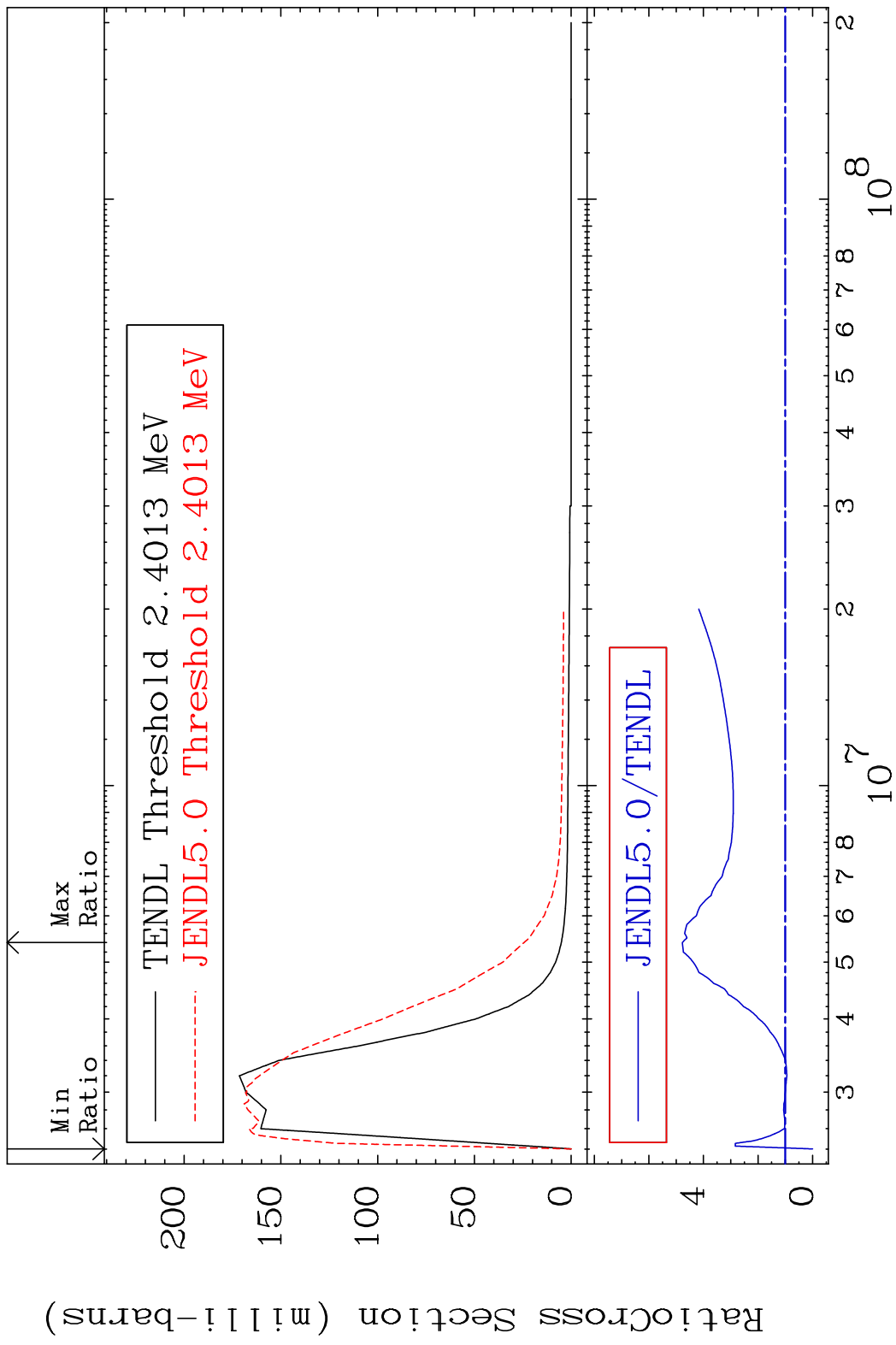


14 Incident Energy (eV) 60-Nd-142

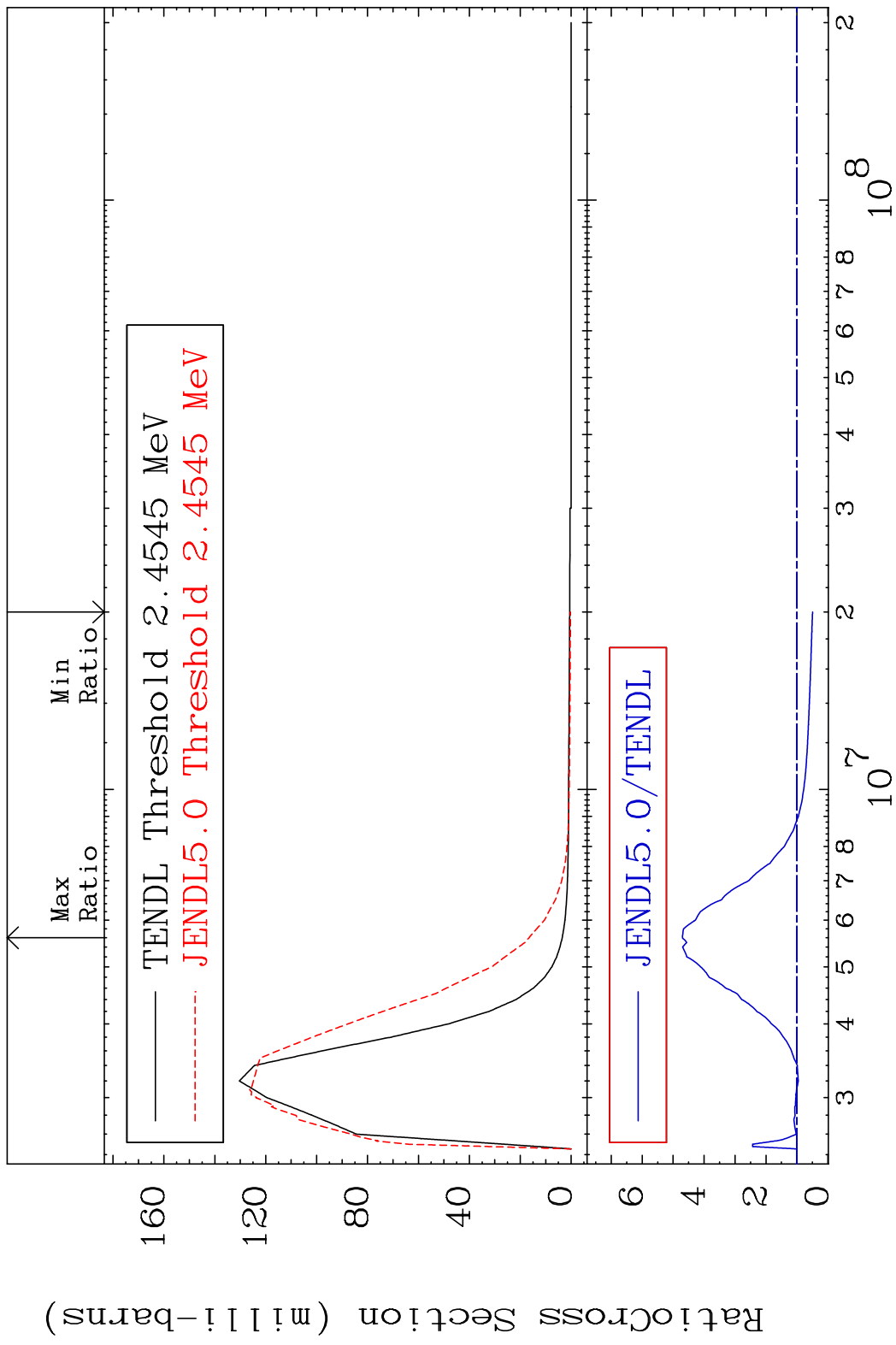
MAT 6025 MT= 57 (n,n') Level 60-Nd-142
 Cross Section -43.71 To 566.1 %



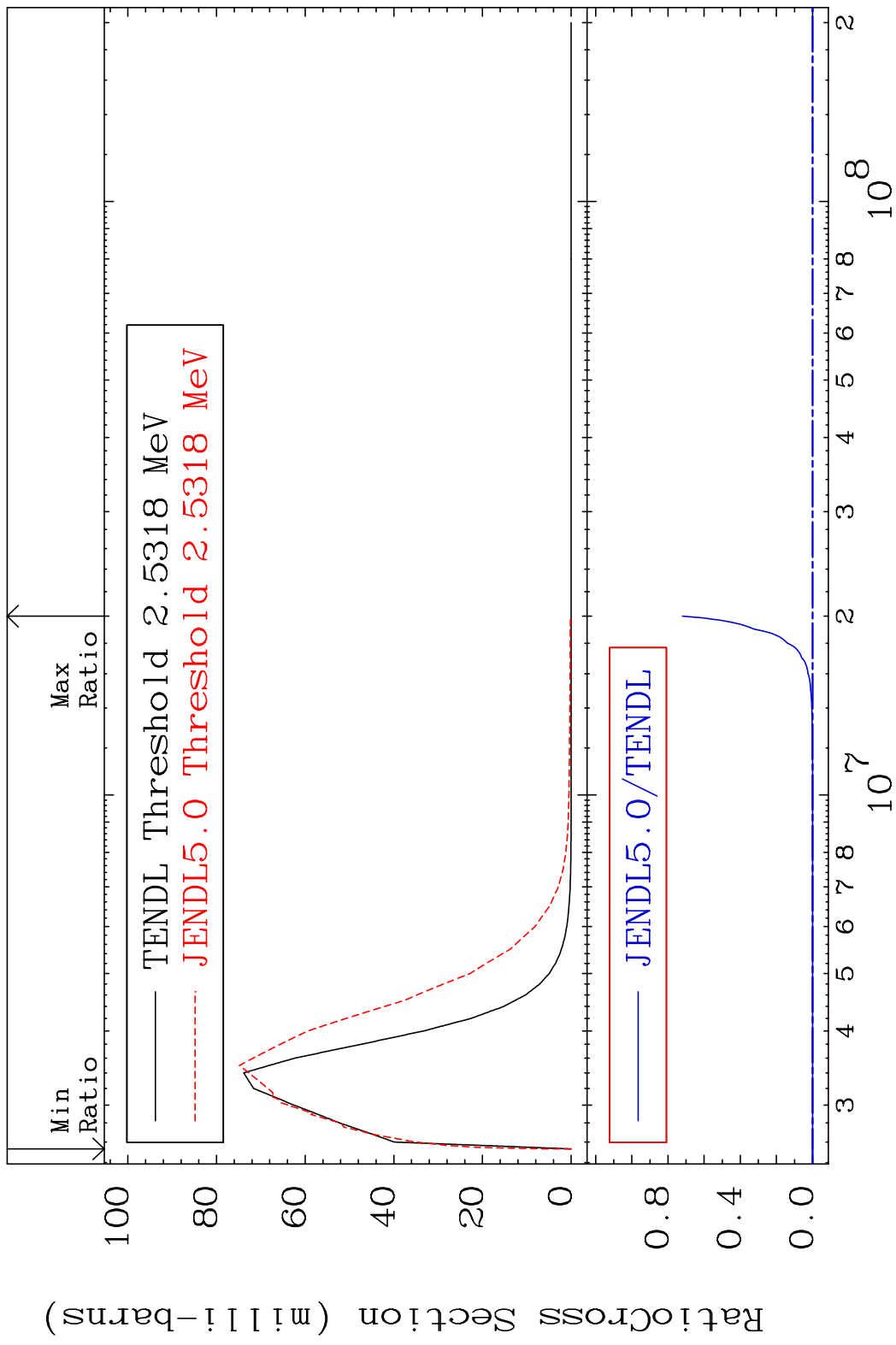
MAT 6025 MT= 58 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 377.4 %



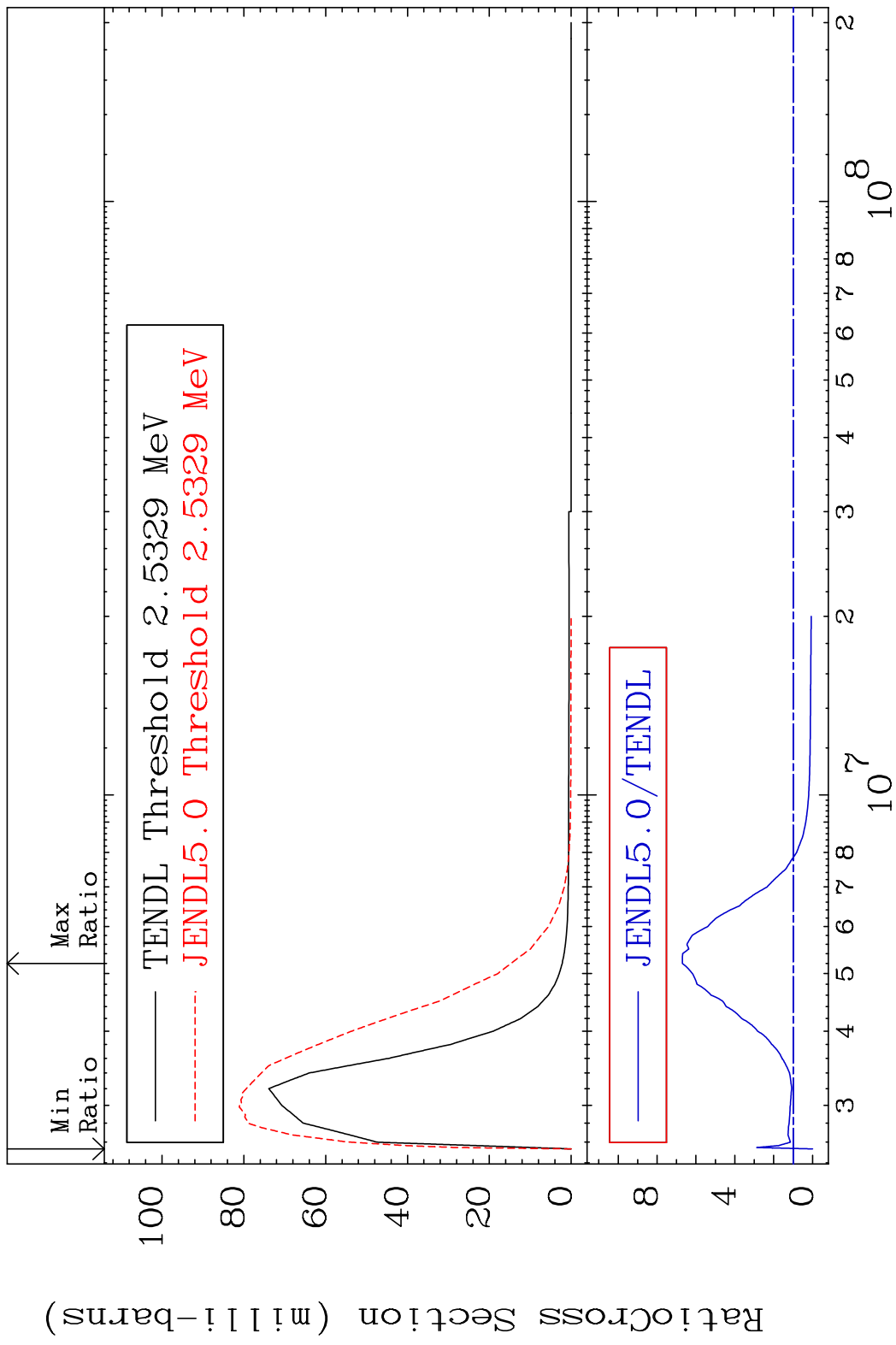
MAT 6025 MT= 59 (n, n') Level 60-Nd-142
 Cross Section -50.45 To 370.2 %



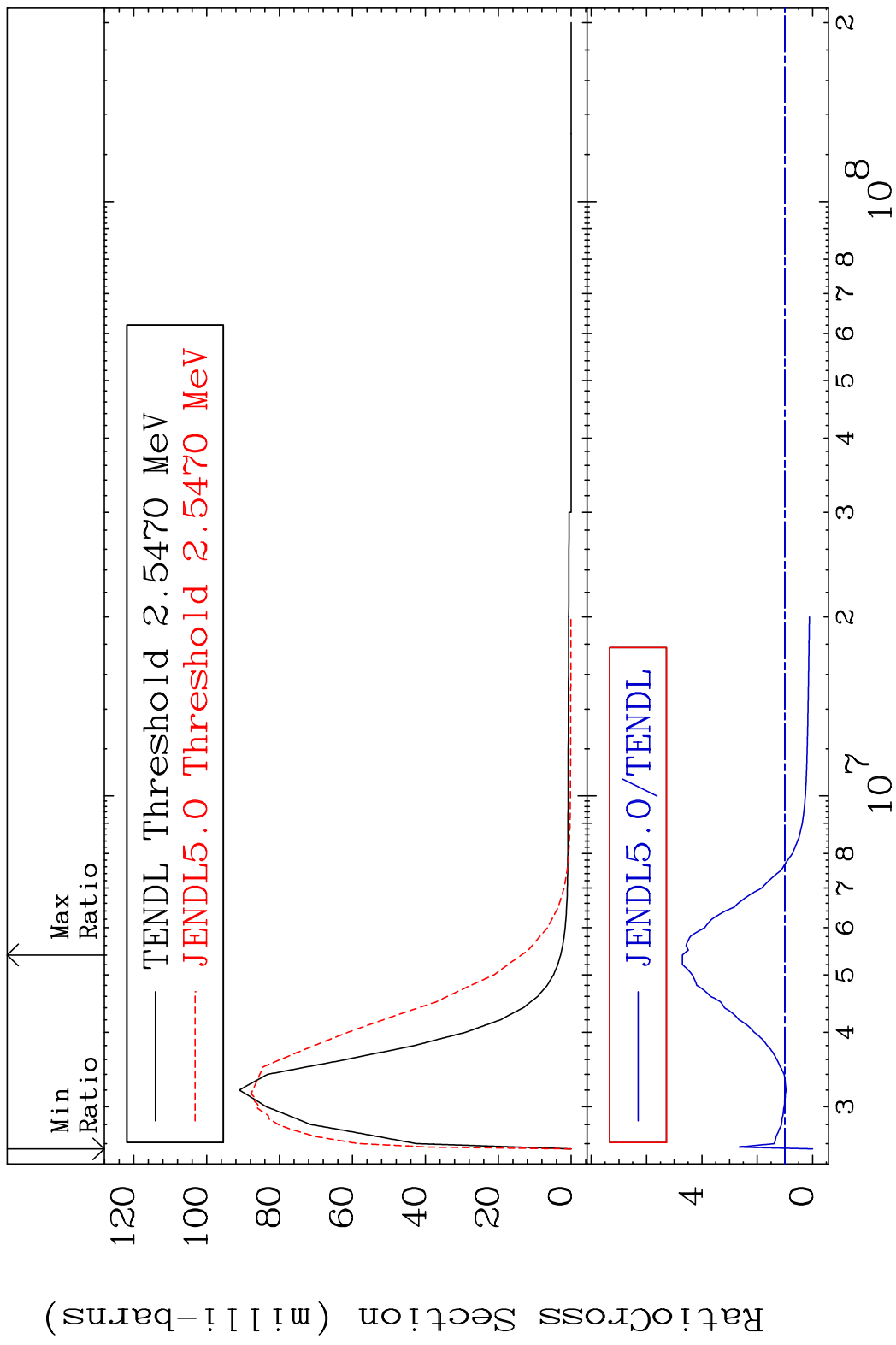
MAT 6025 MT= 60 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 9999. %



MAT 6025 MT= 61 (n,n') Level 60-Nd-142
 Cross Section -100.0 To 569.9 %

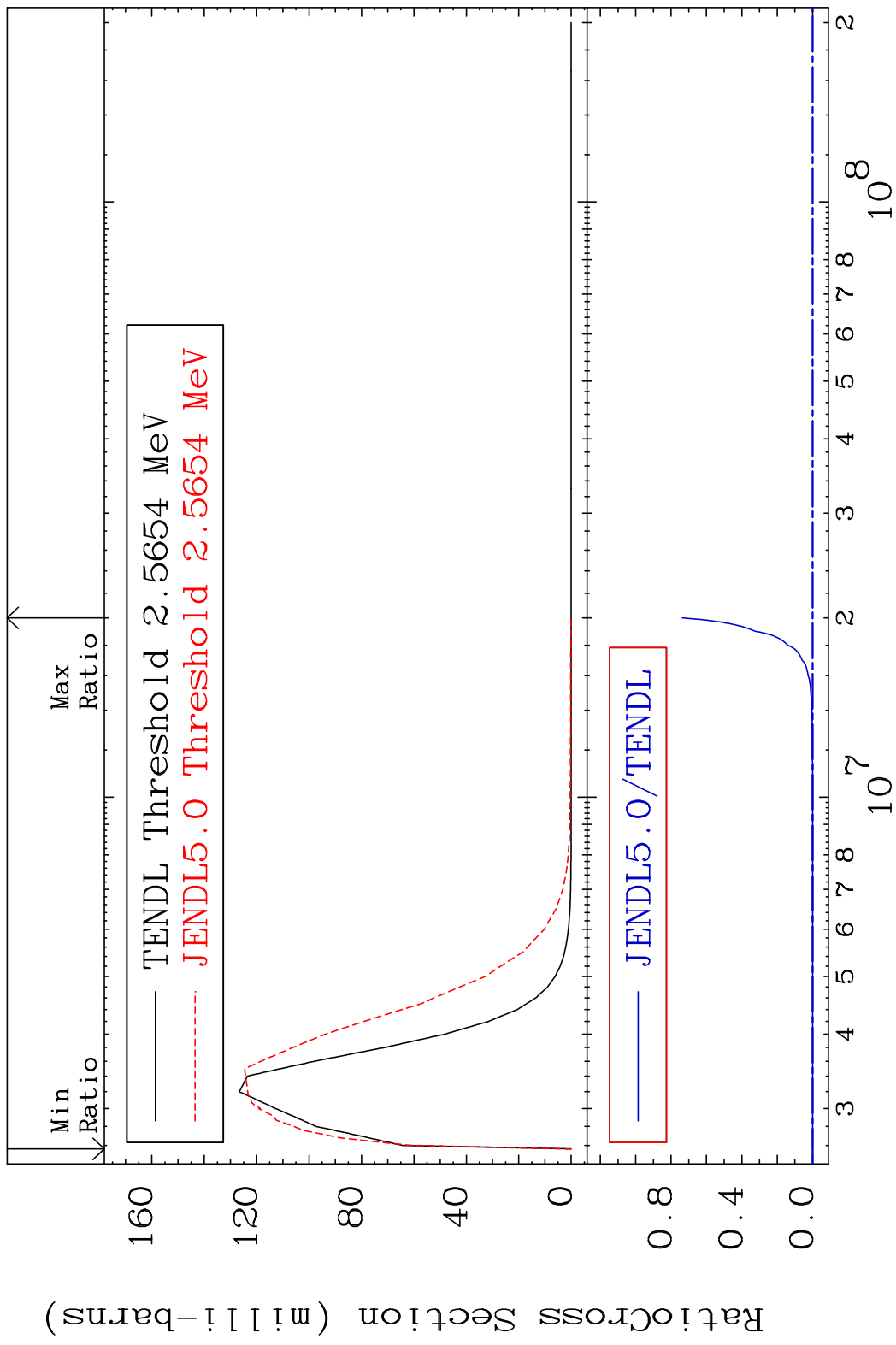


MAT 6025 MT= 62 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 370.6 %

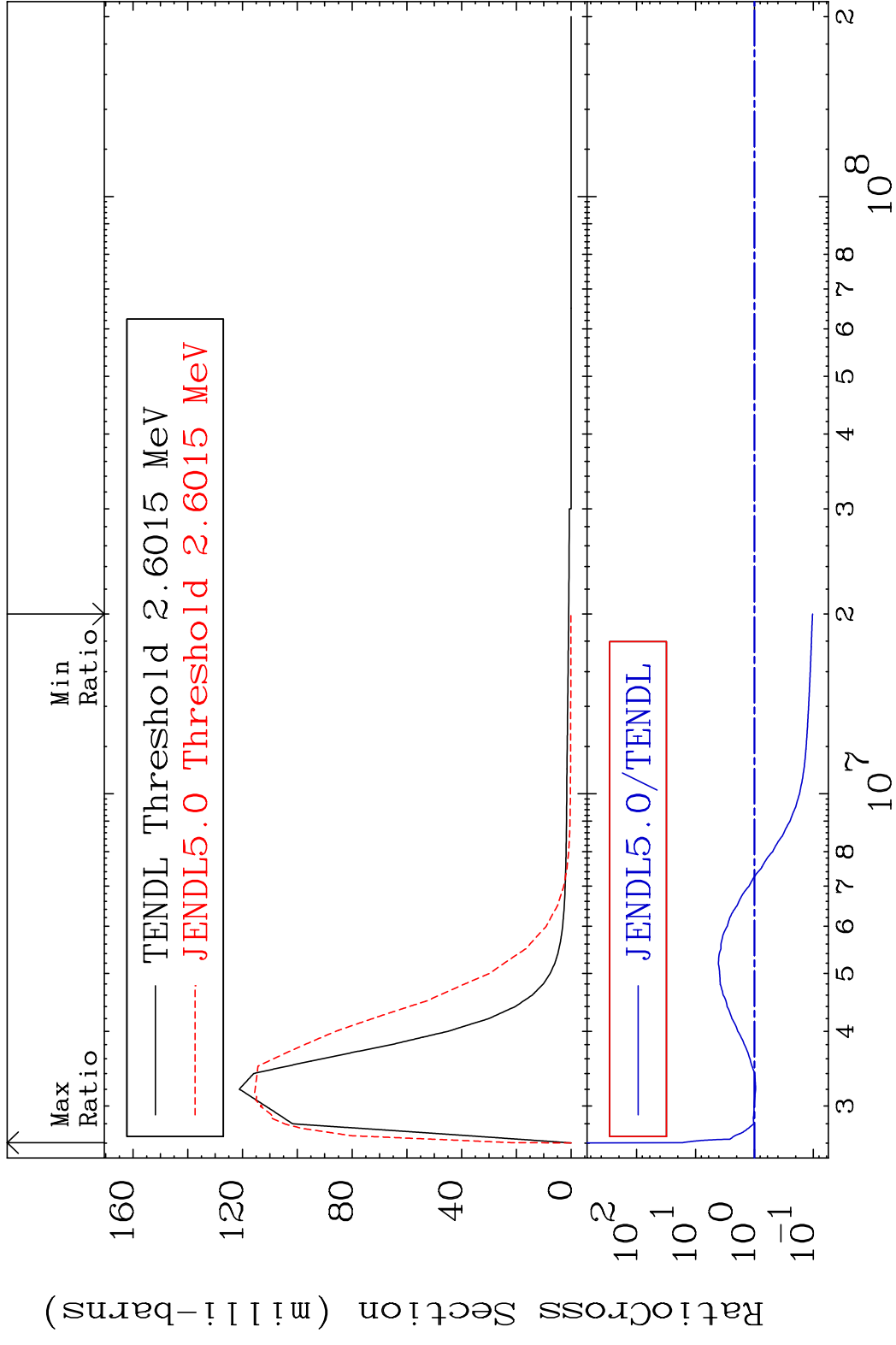


20 Incident Energy (eV) 60-Nd-142

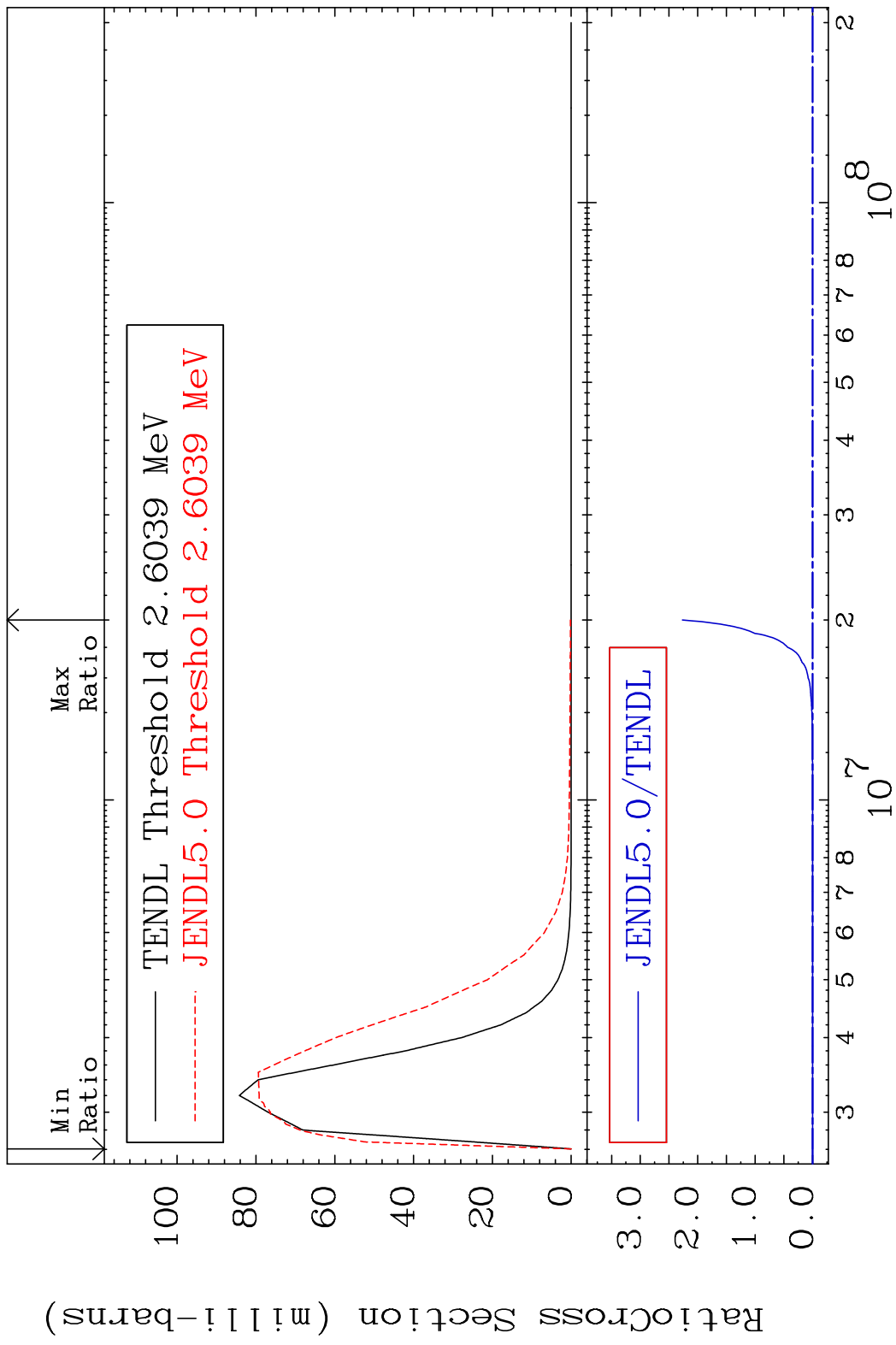
MAT 6025 MT= 63 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 9999. %



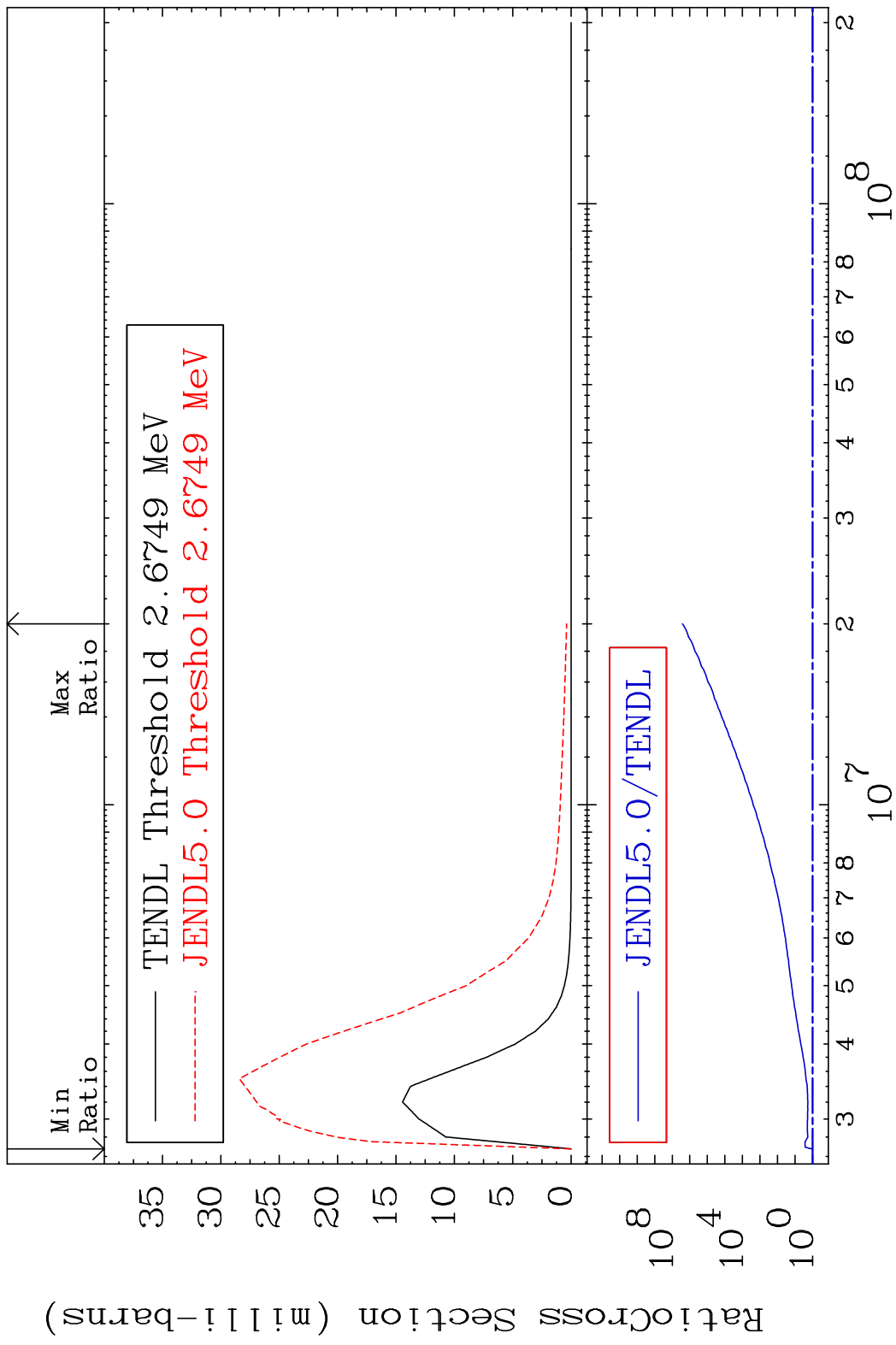
MAT 6025 MT= 64 (n,n') Level 60-Nd-142
 Cross Section -89.68 To 1574. %



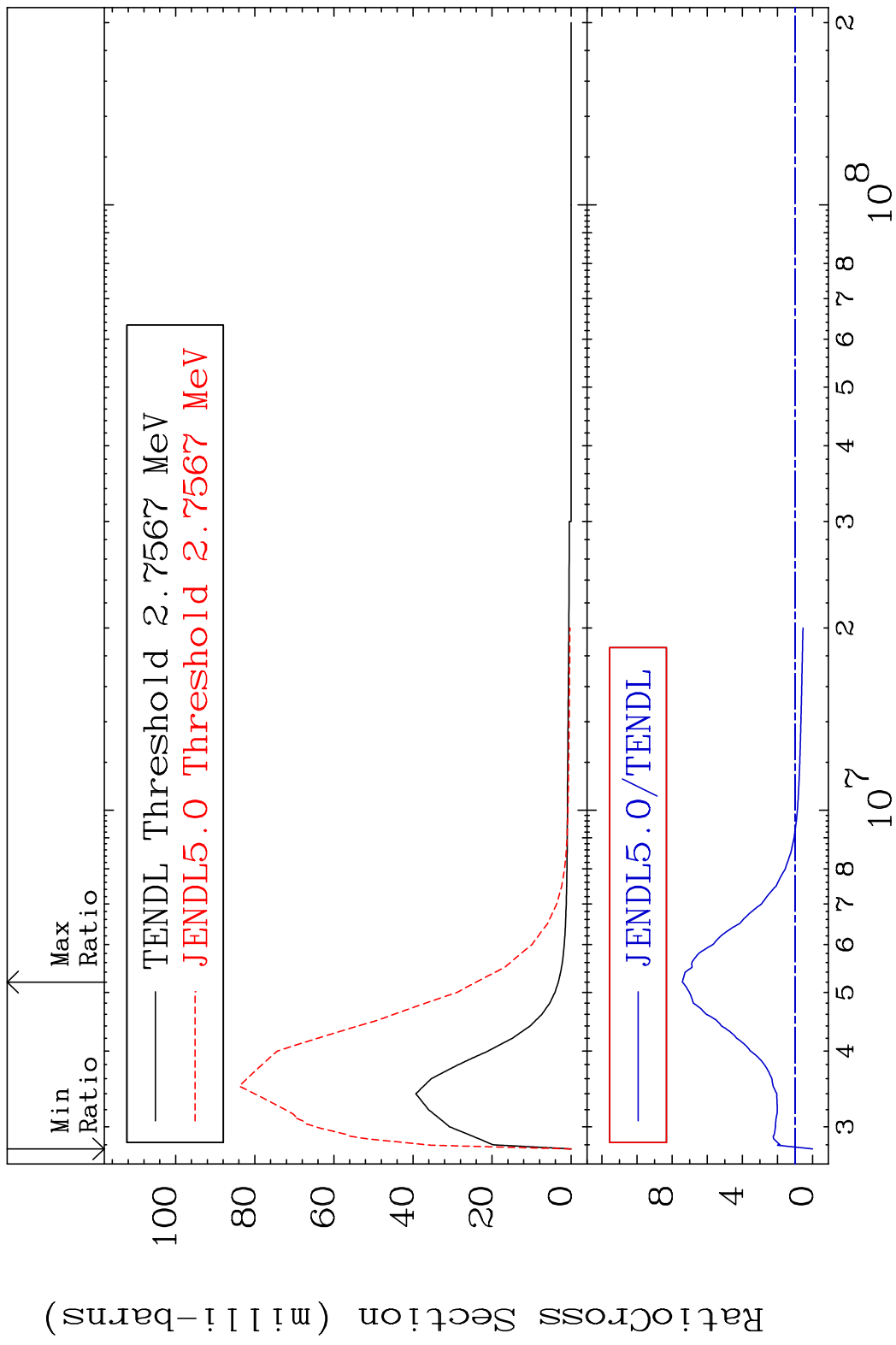
MAT 6025 MT= 65 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 9999. %



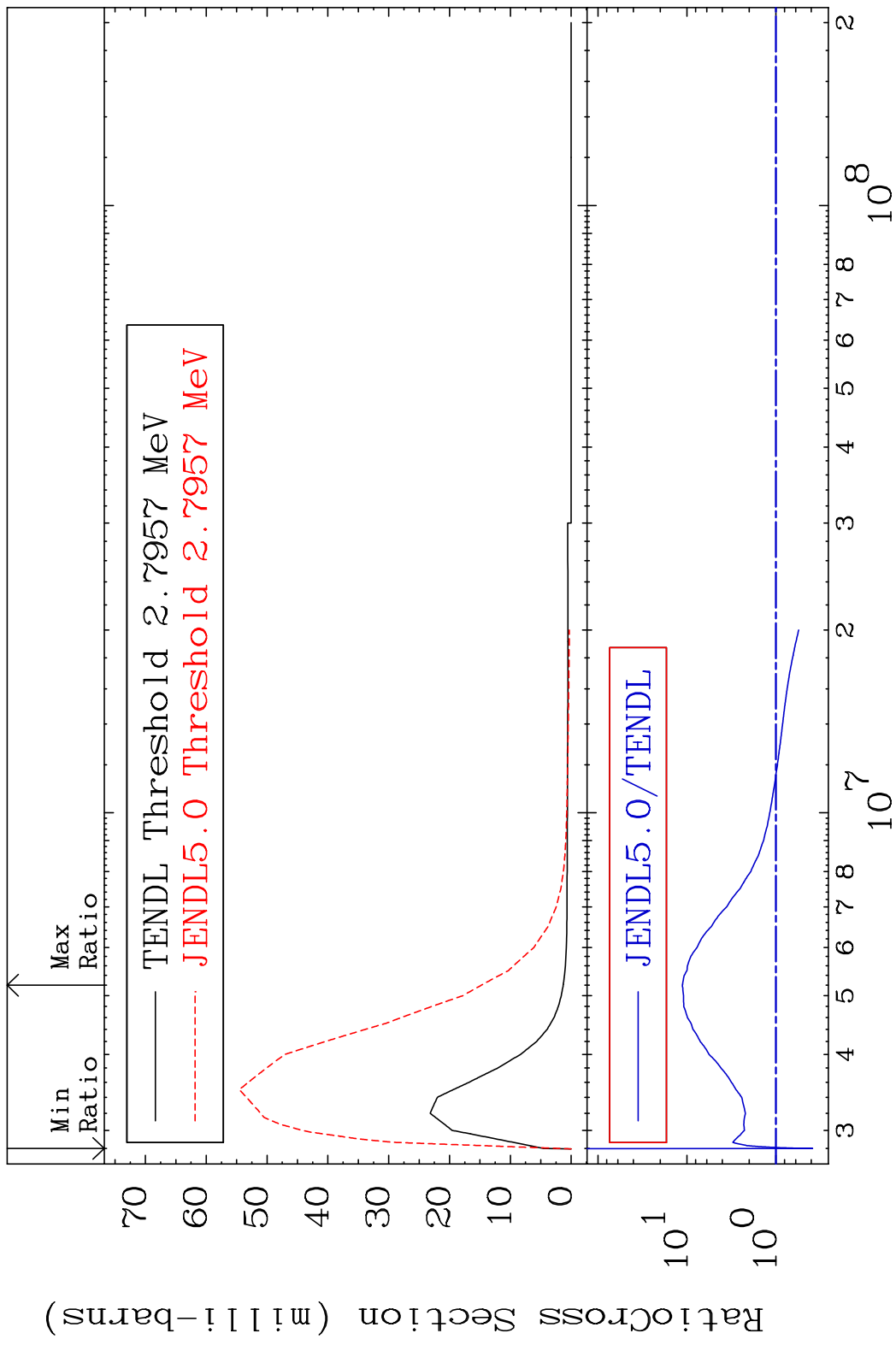
MAT 6025 MT= 66 (n,n') Level 60-Nd-142
 Cross Section 0.000 To 9999. %



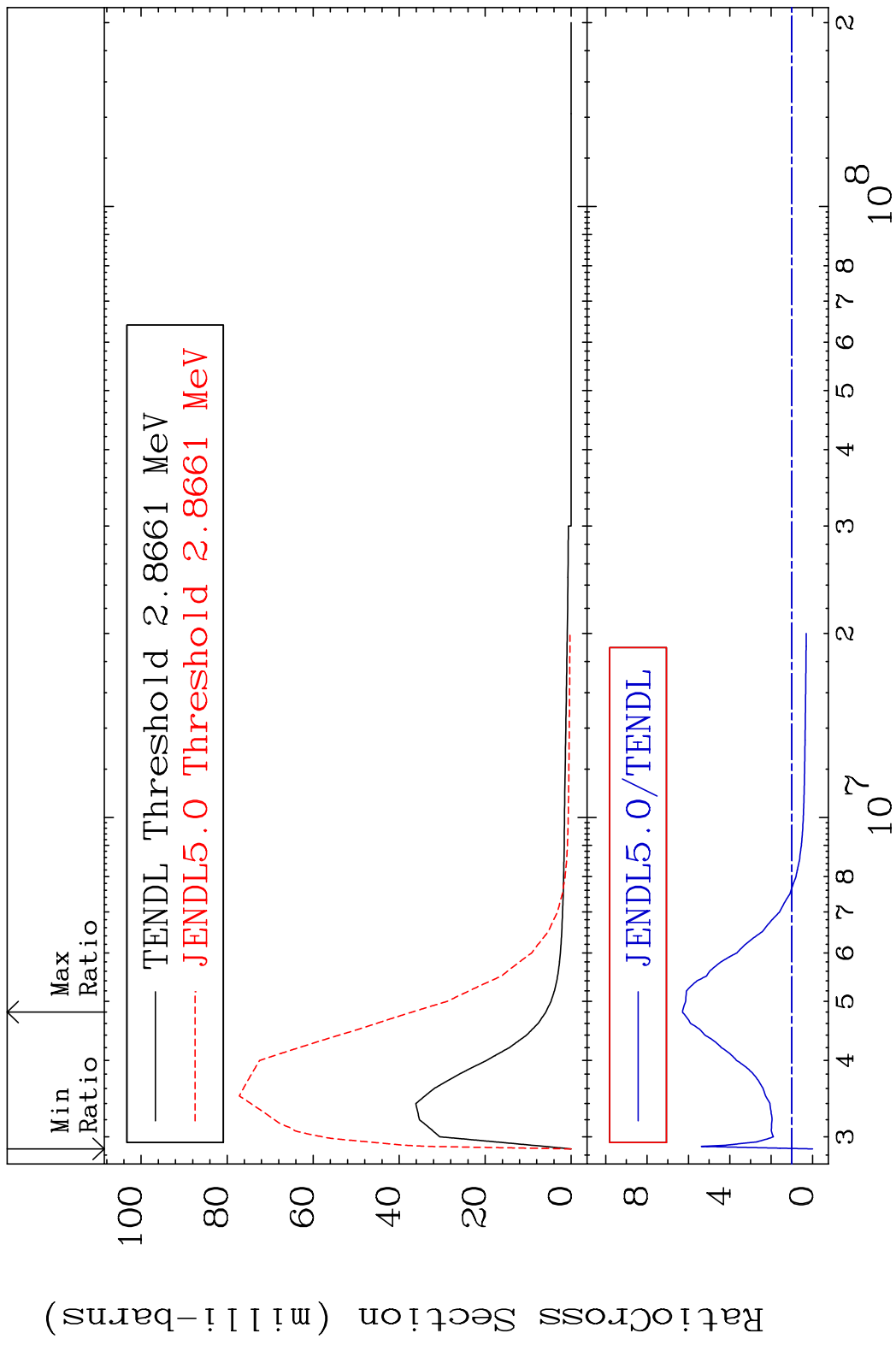
MAT 6025 MT= 67 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 641.4 %



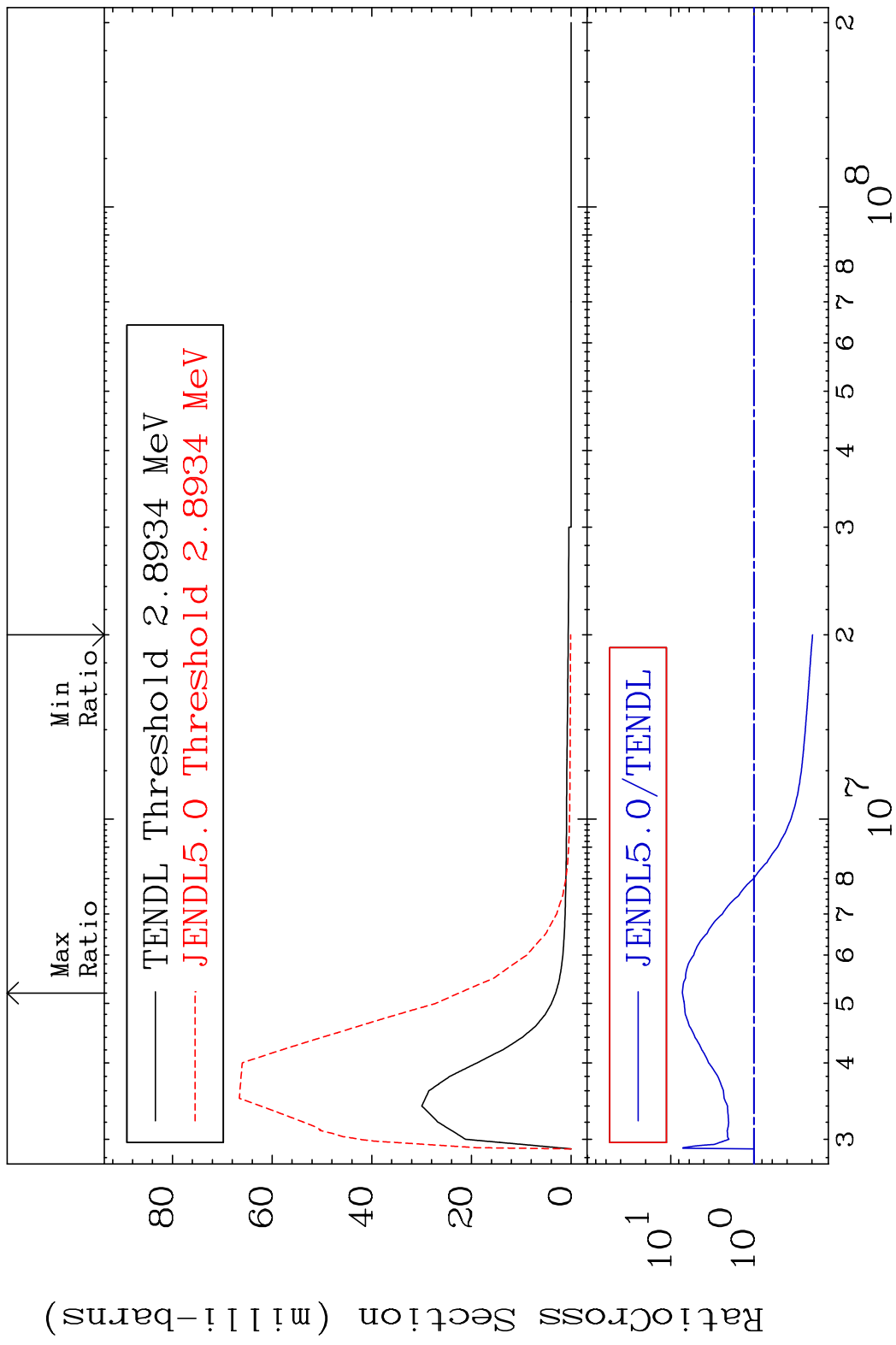
MAT 6025 MT= 68 (n,n') Level 60-Nd-142
 Cross Section -61.28 To 1028. %



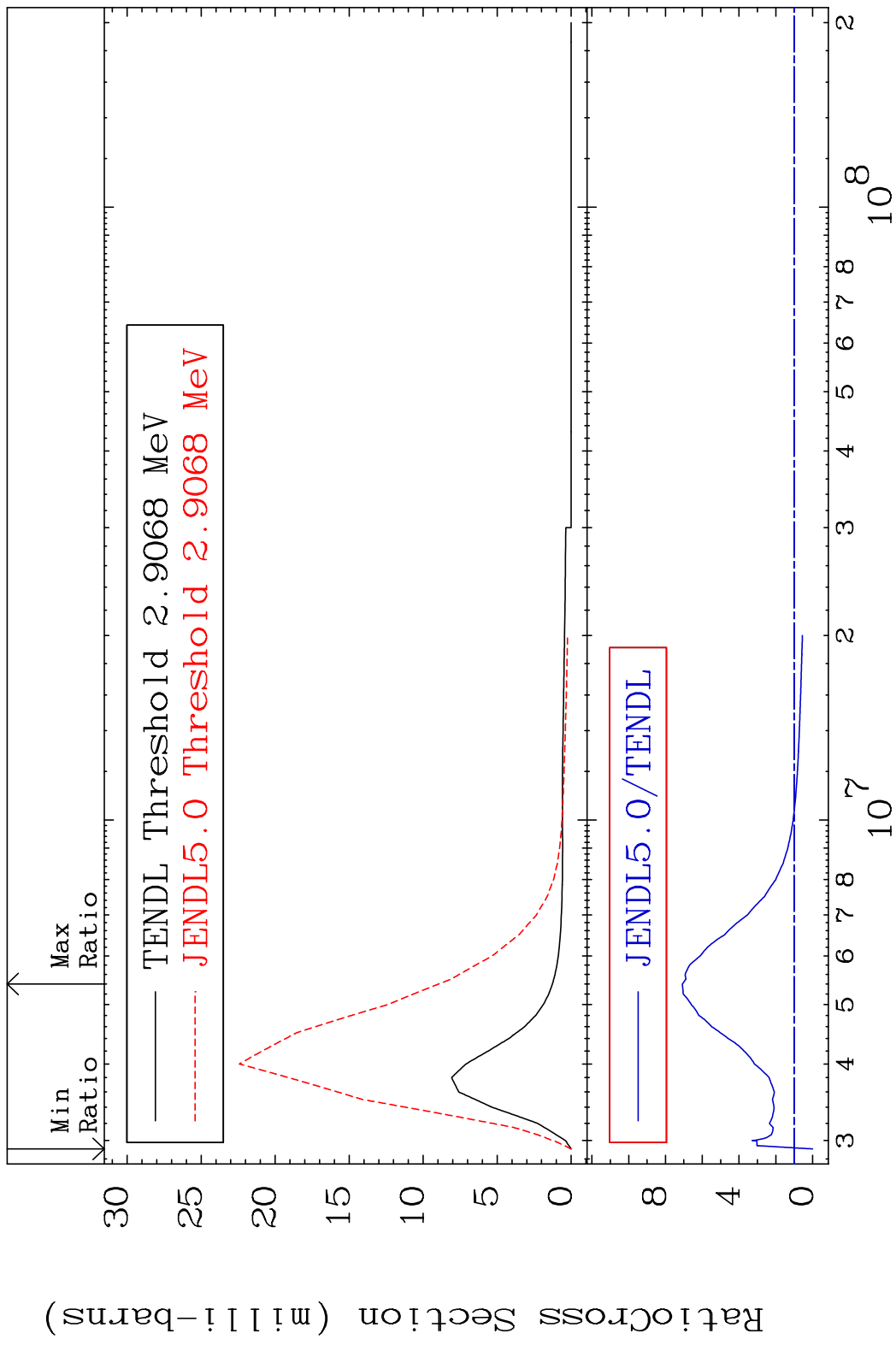
MAT 6025 MT= 69 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 529.4 %



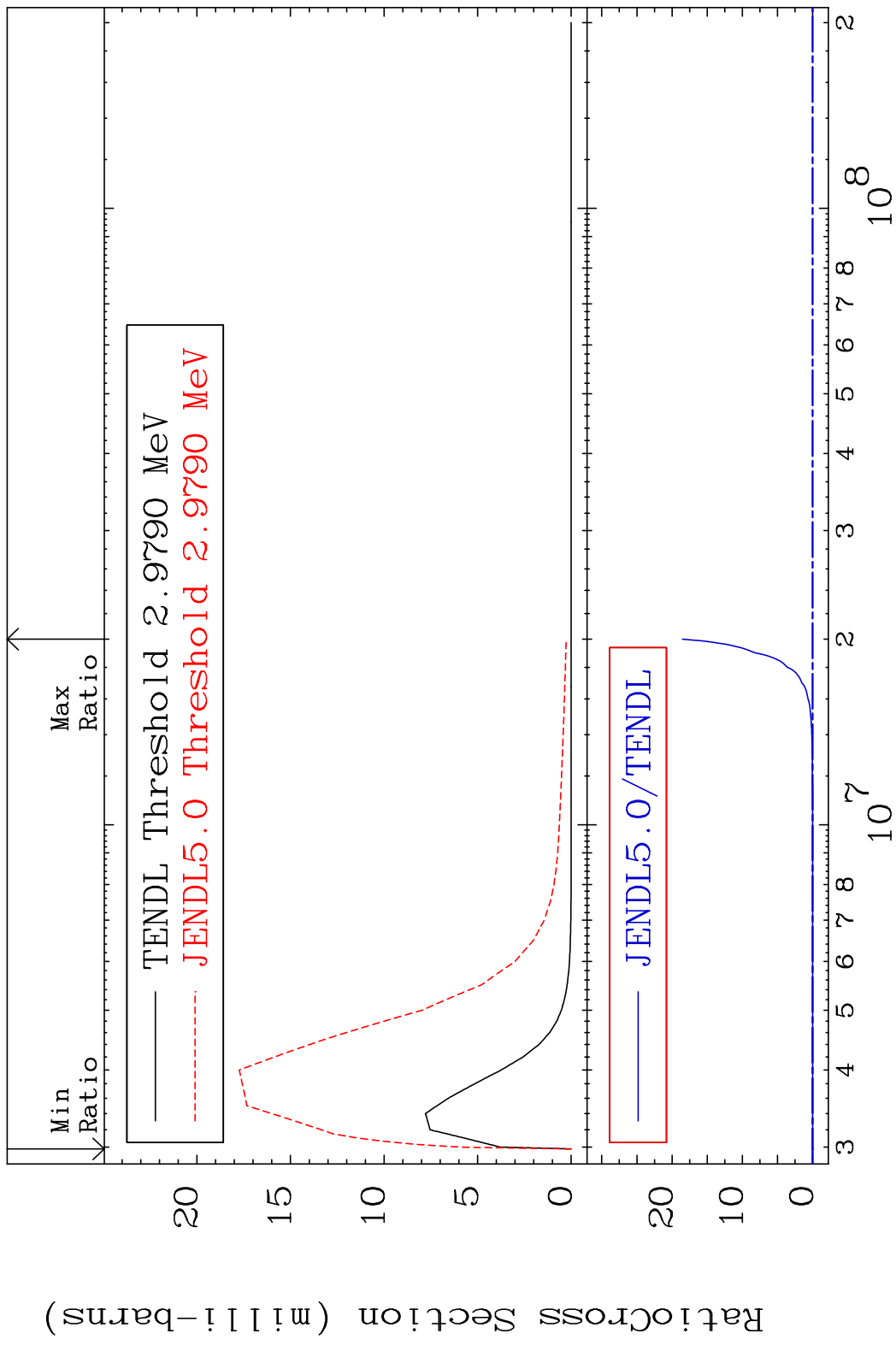
MAT 6025 MT= 70 (n,n') Level 60-Nd-142
 Cross Section -80.31 To 625.2 %



MAT 6025 MT= 71 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 608.2 %

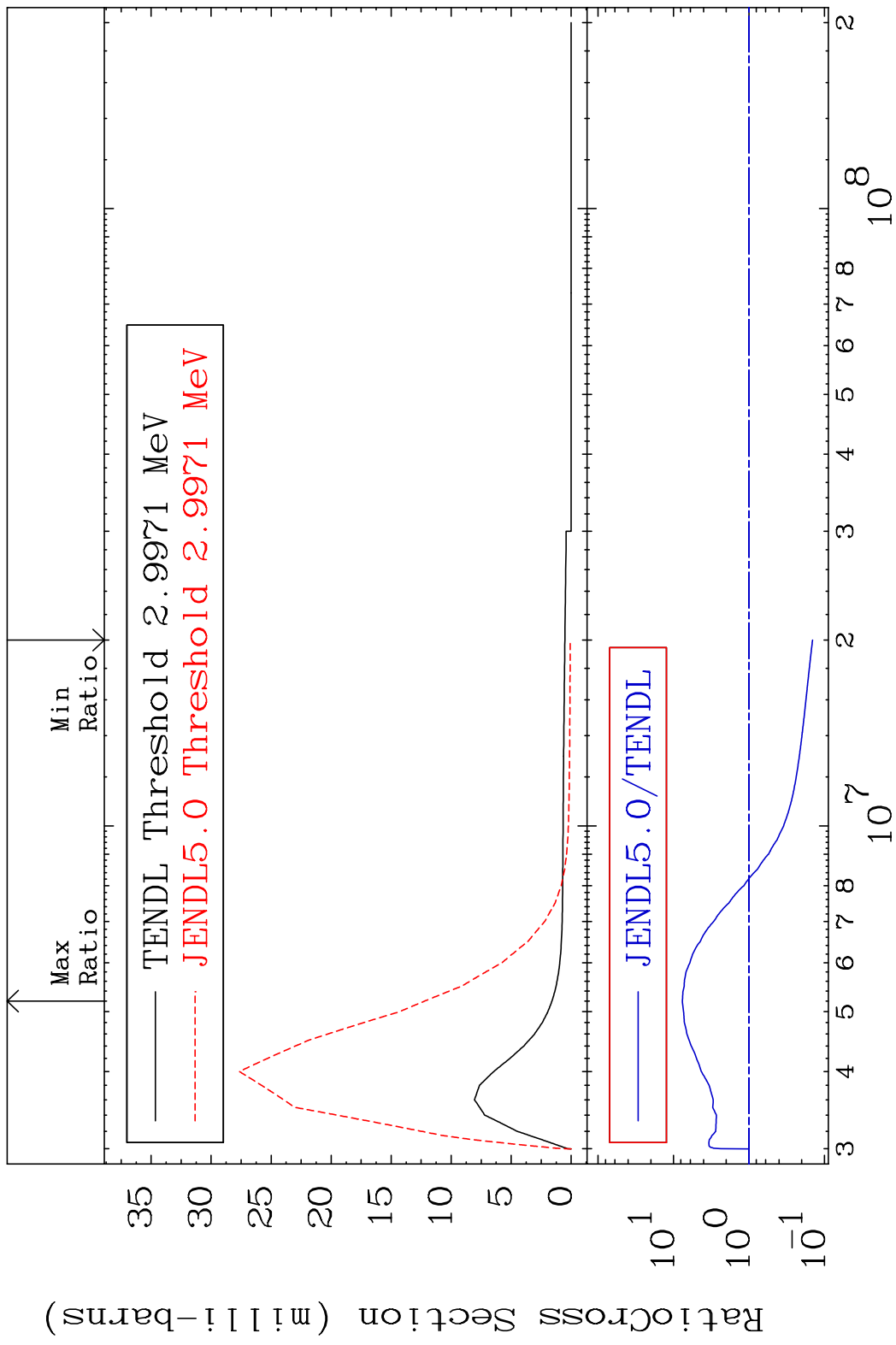


MAT 6025 MT= 72 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 9999. %

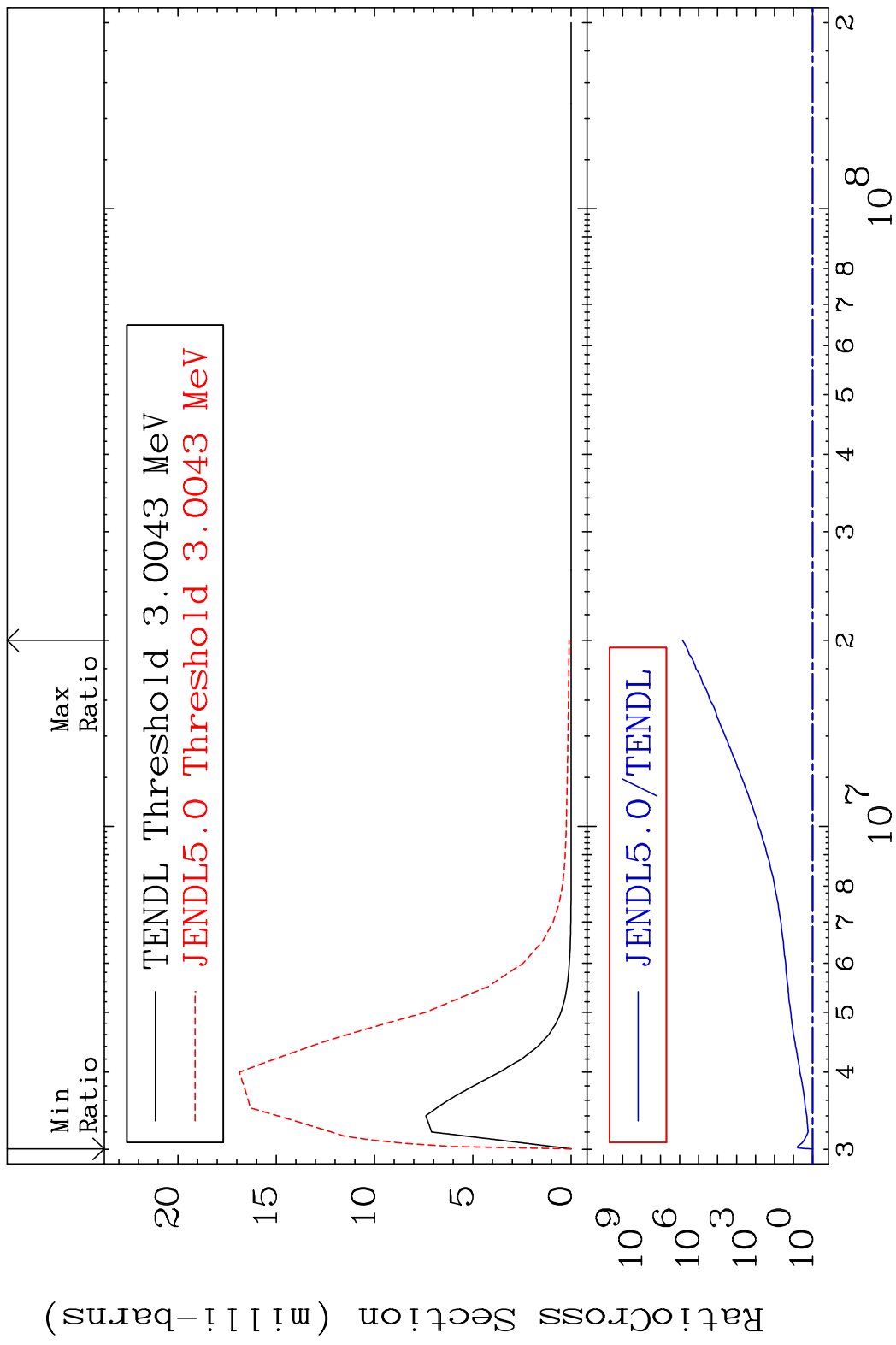


30 Incident Energy (eV) 60-Nd-142

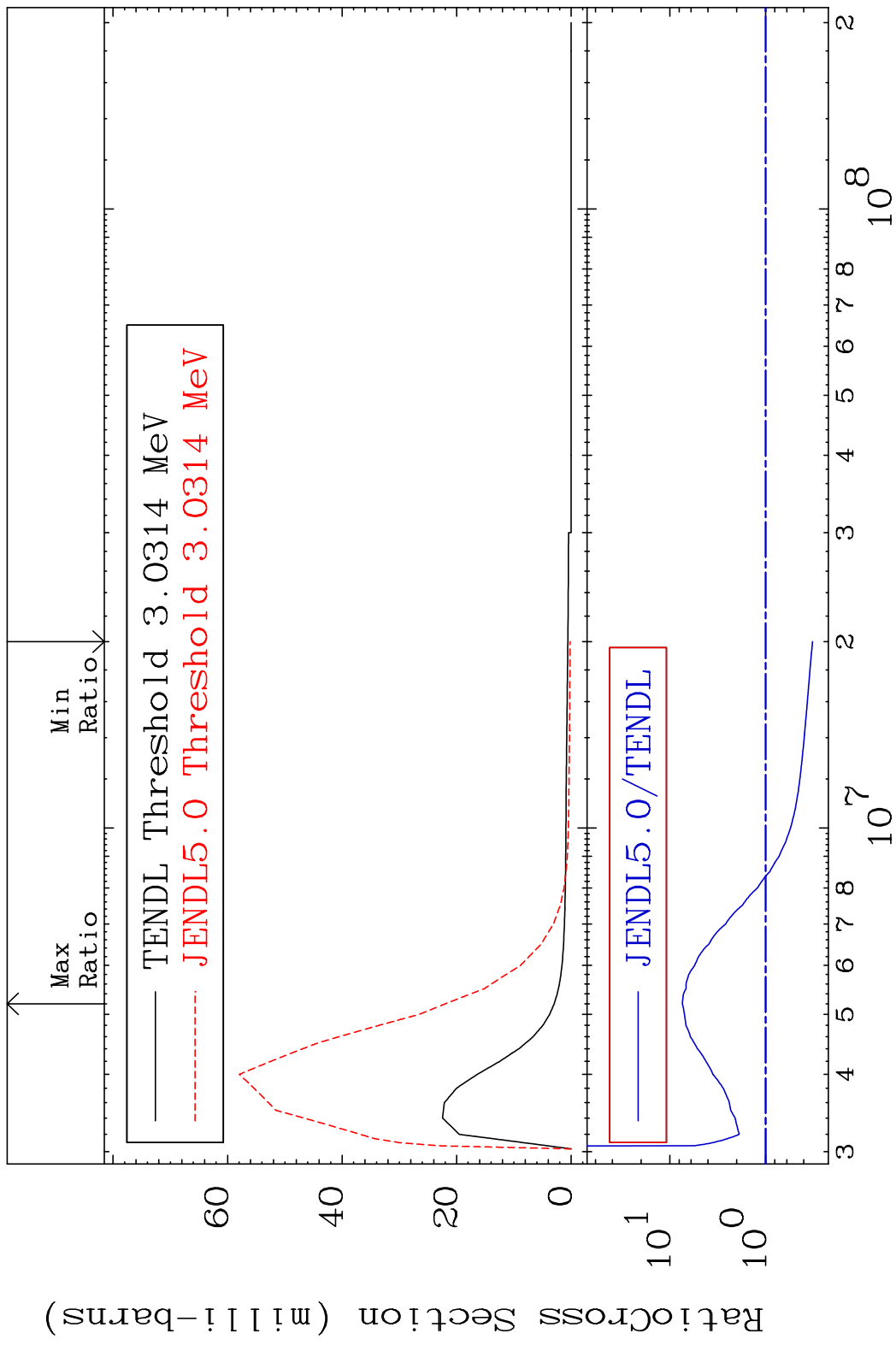
MAT 6025 MT= 73 (n, n') Level 60-Nd-142
 Cross Section -85.64 To 664.3 %



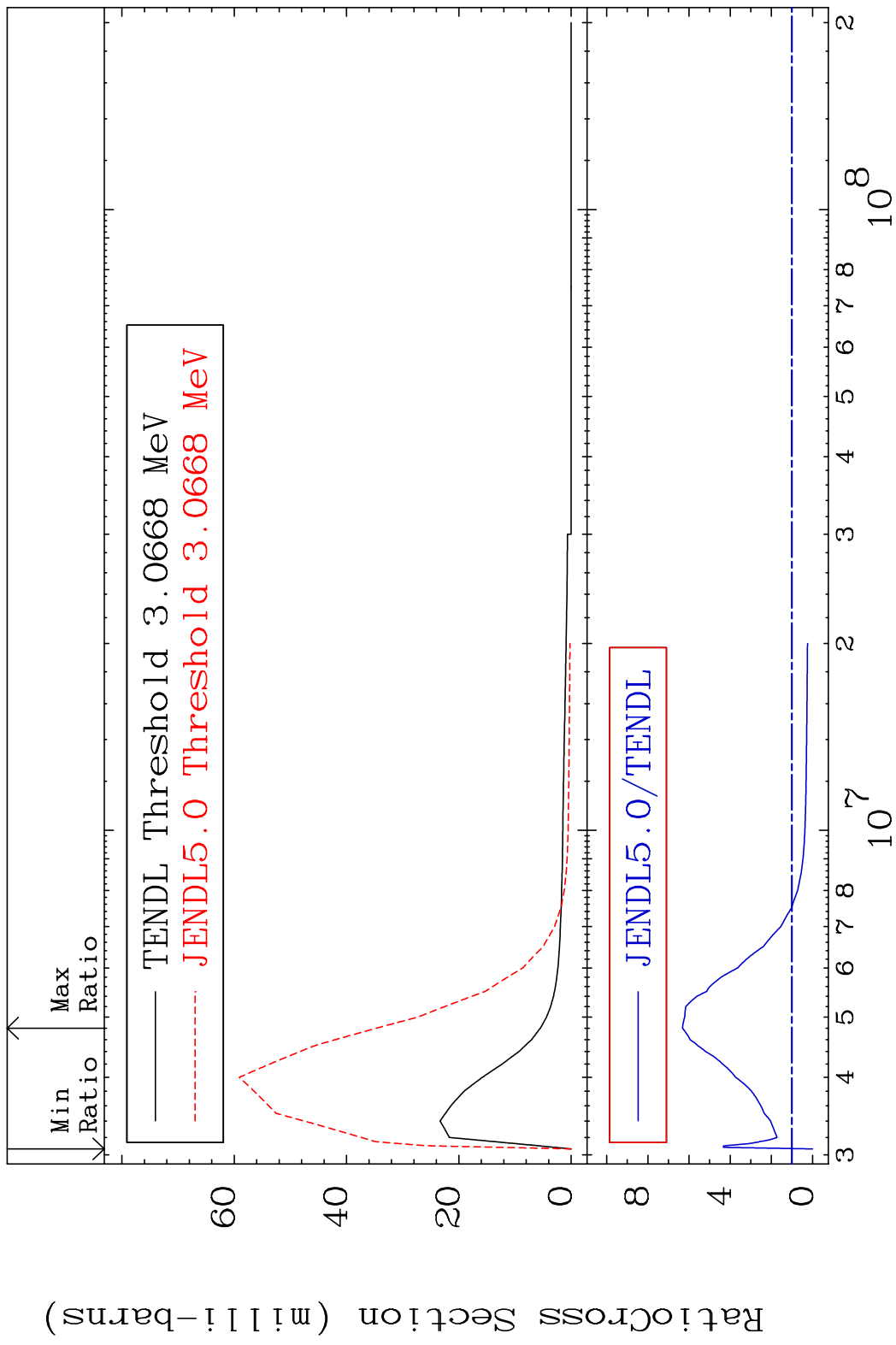
MAT 6025 MT= 74 (n, n') Level 60-Nd-142
 Cross Section 0.000 To 9999. %



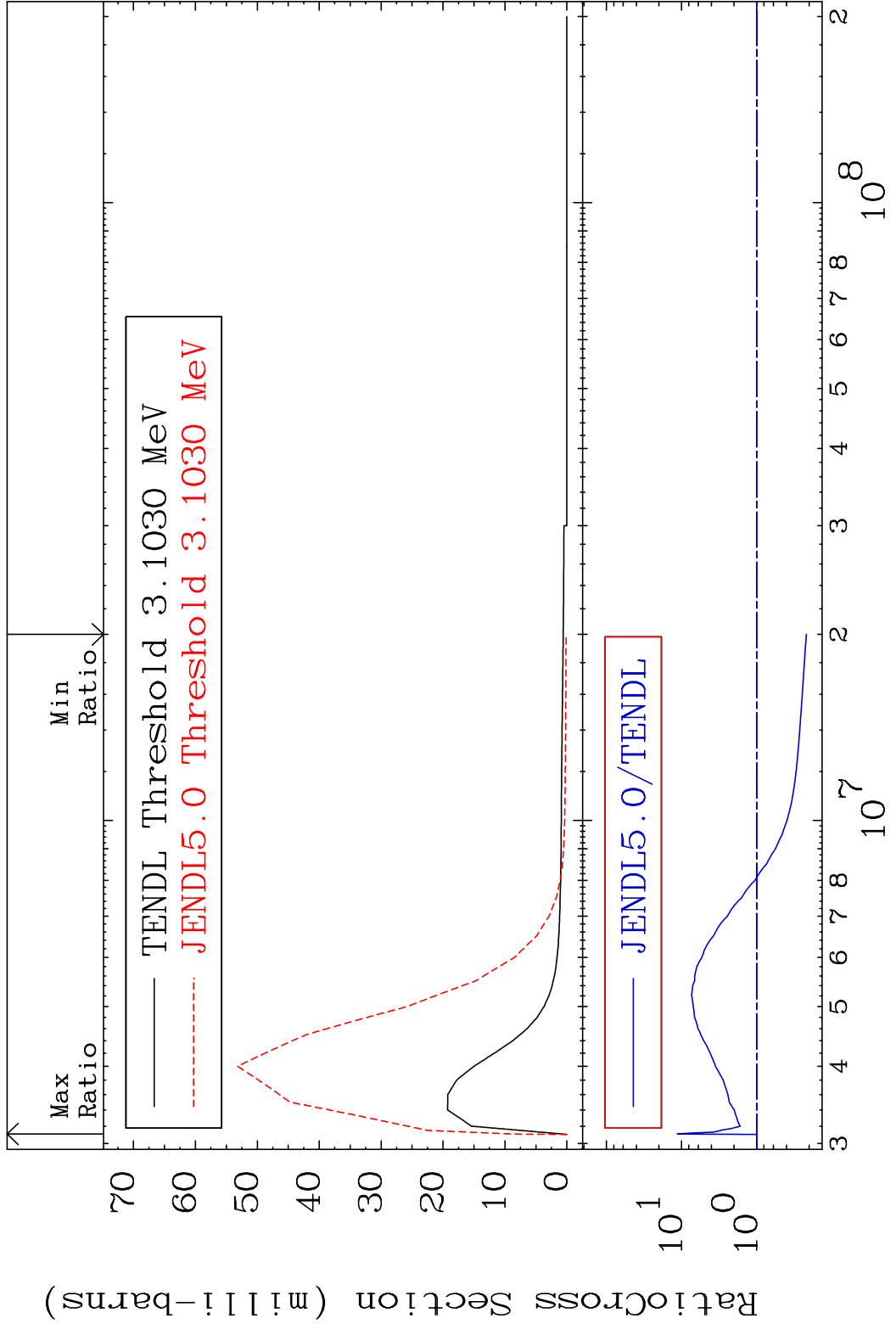
MAT 6025 MT= 75 (n,n') Level 60-Nd-142
 Cross Section -67.76 To 640.3 %



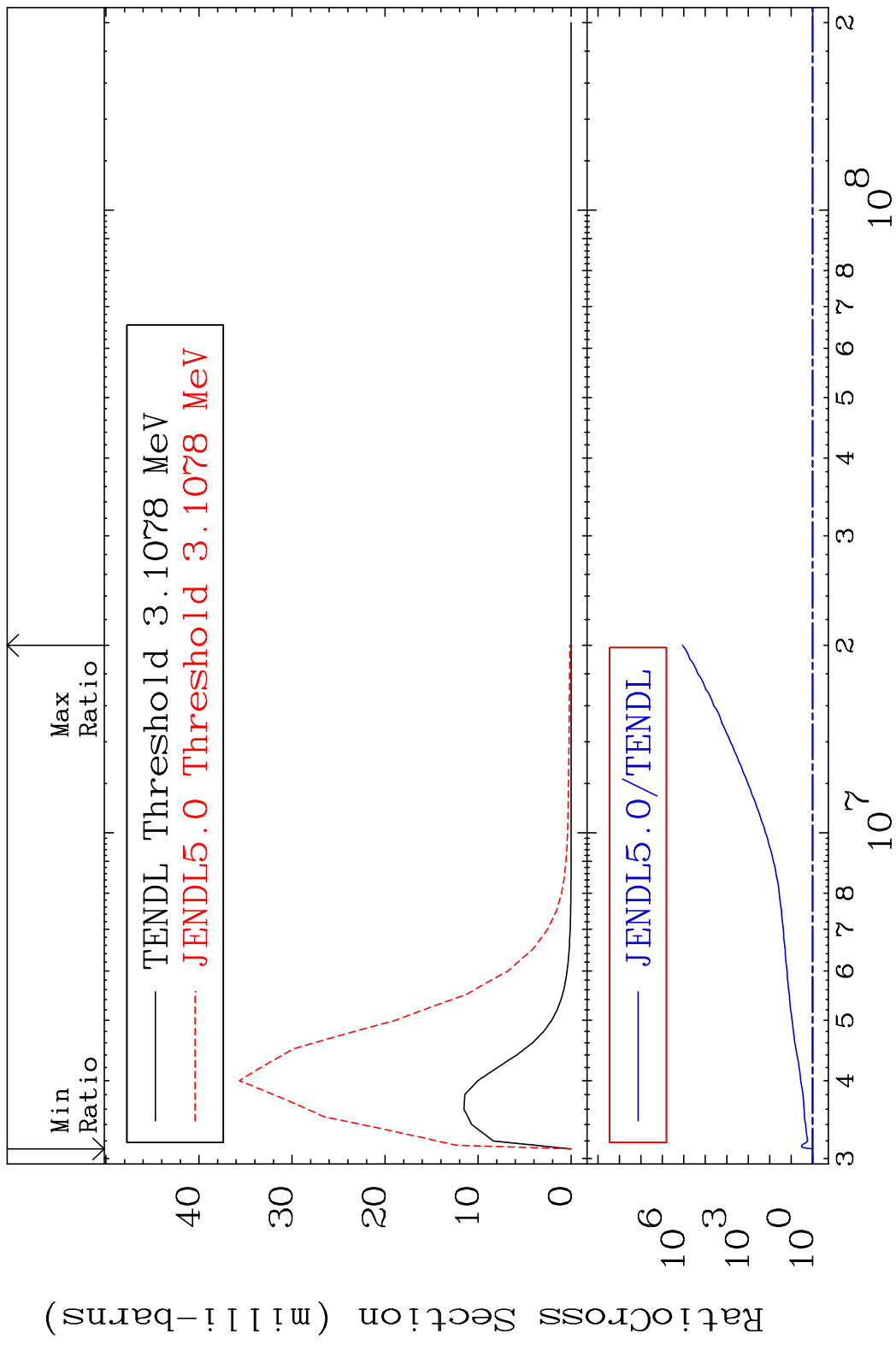
MAT 6025 MT= 76 (n,n') Level 60-Nd-142
 Cross Section -100.0 To 532.4 %



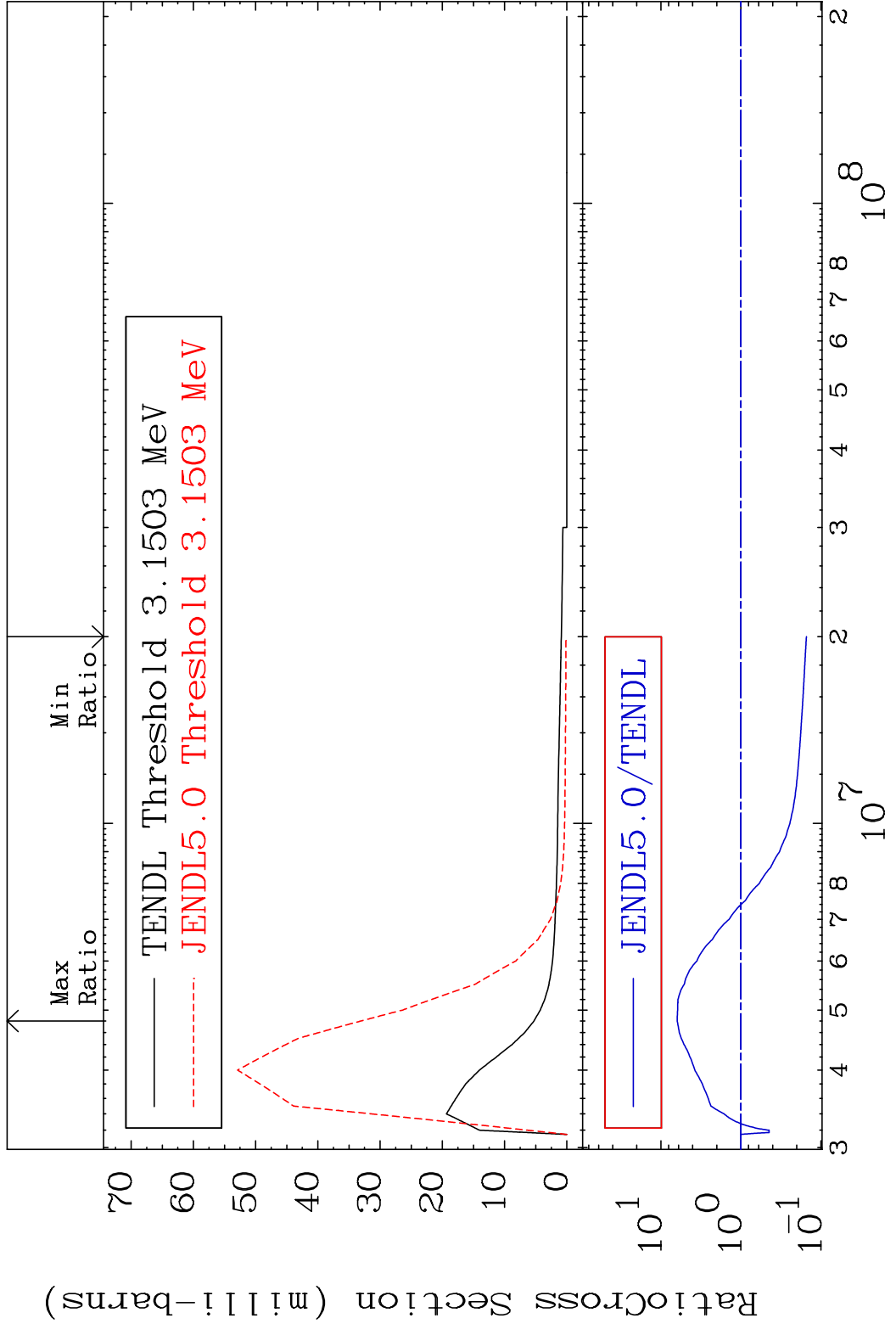
MAT 6025 MT= 77 (n,n') Level 60-Nd-142
 Cross Section -78.21 To 1045. %



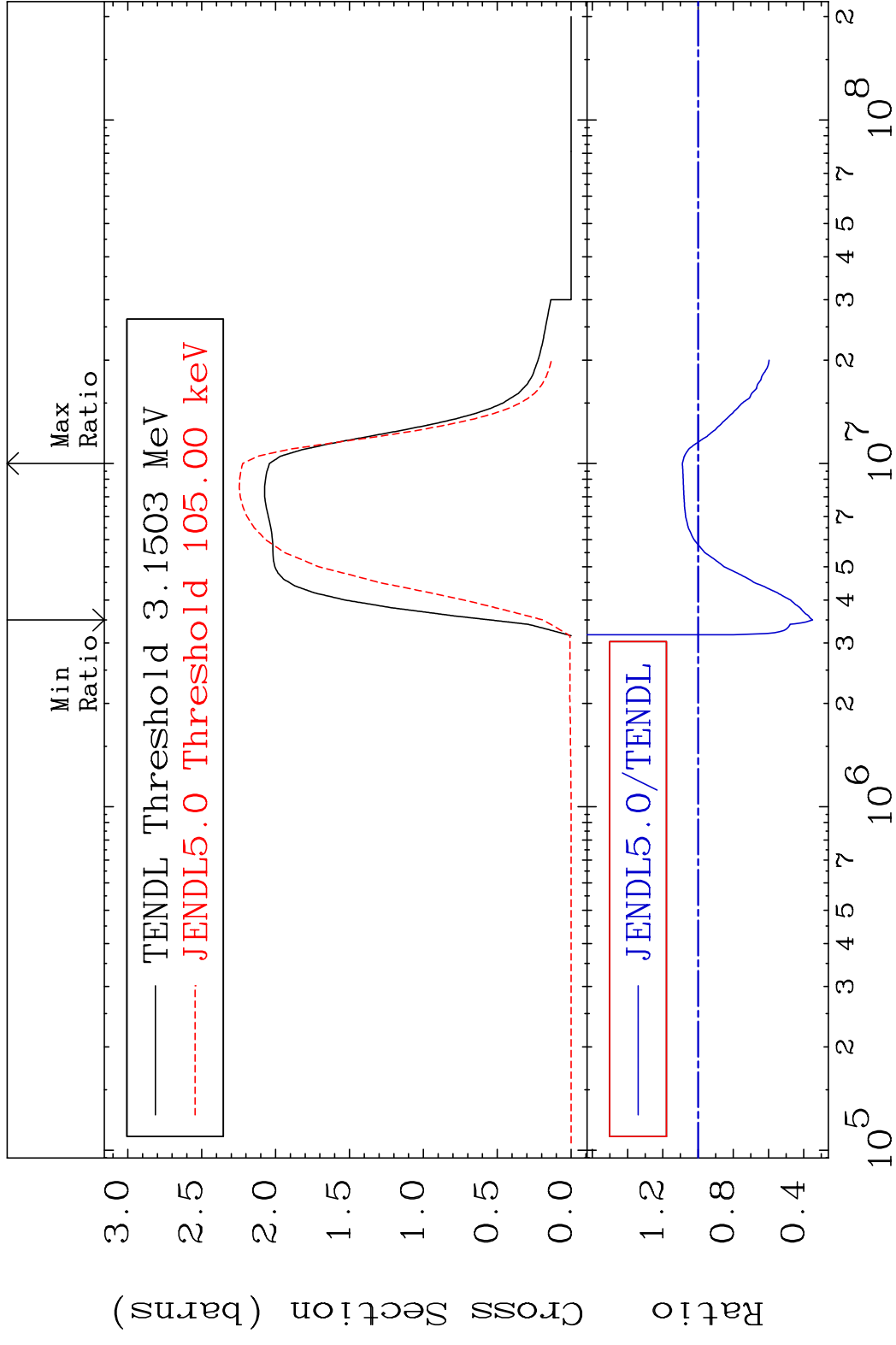
MAT 6025 MT= 78 (n, n') Level 60-Nd-142
 Cross Section 0.000 To 9999. %



MAT 6025 MT= 79 (n, n') Level 60-Nd-142
 Cross Section -84.84 To 525.2 %



MAT 6025 (n,n') Continuum 60-Nd-142
 Cross Section -65.02 To 8.904 %

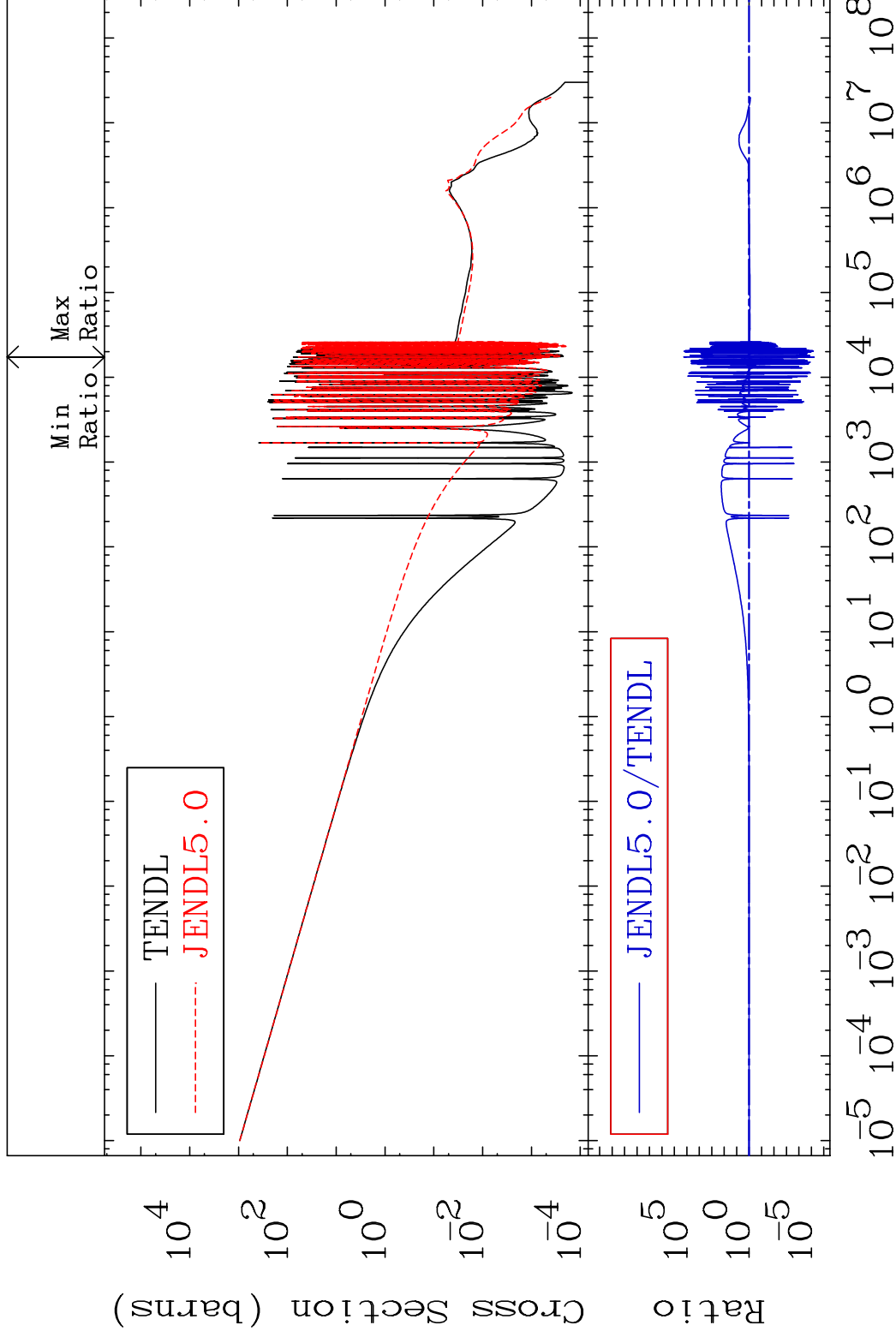


MAT 6025

(n, γ)

60-Nd-142

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

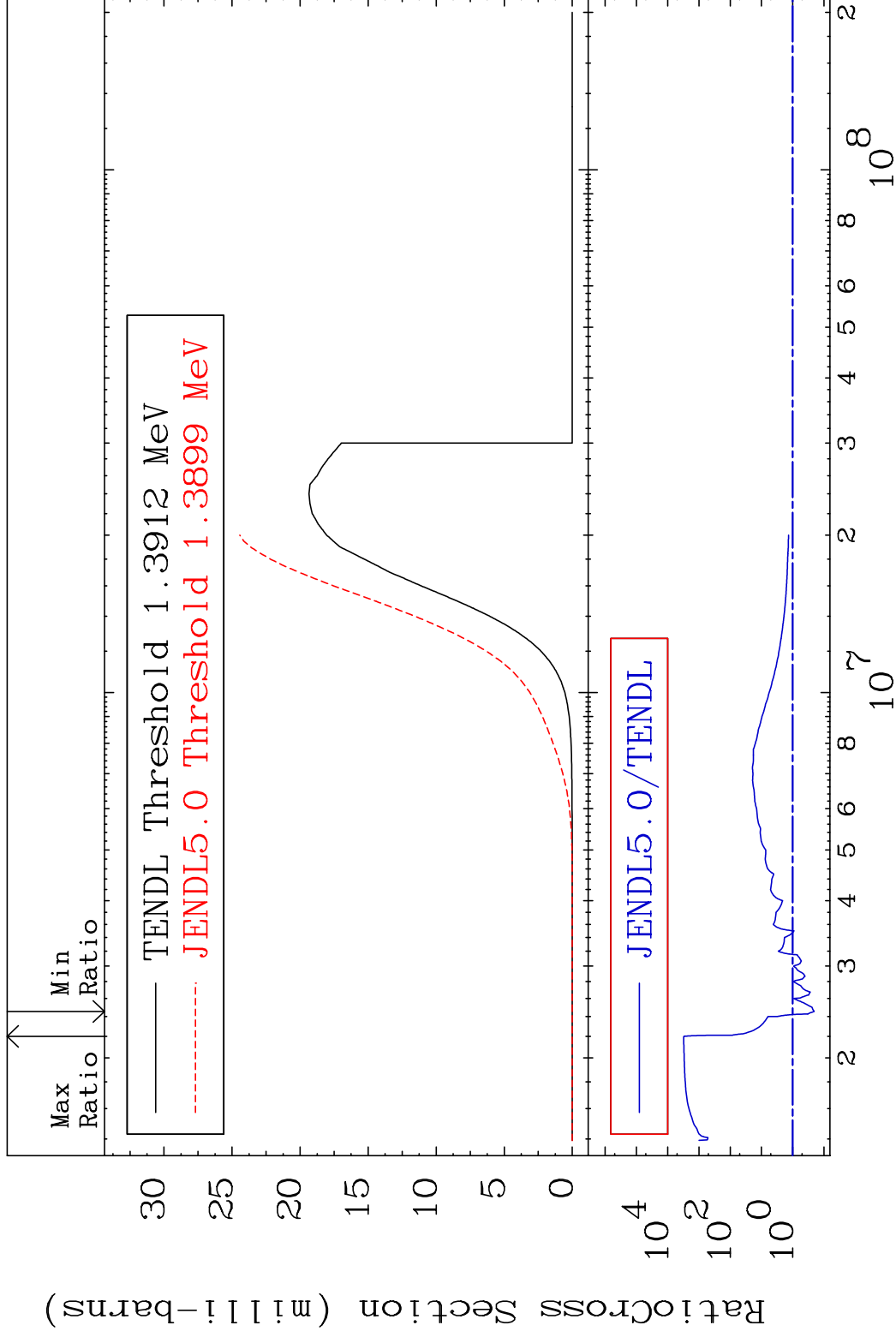
60-Nd-142

MAT 6025

(n,p)

60-Nd-142

Cross Section -79.35 To 9999. %

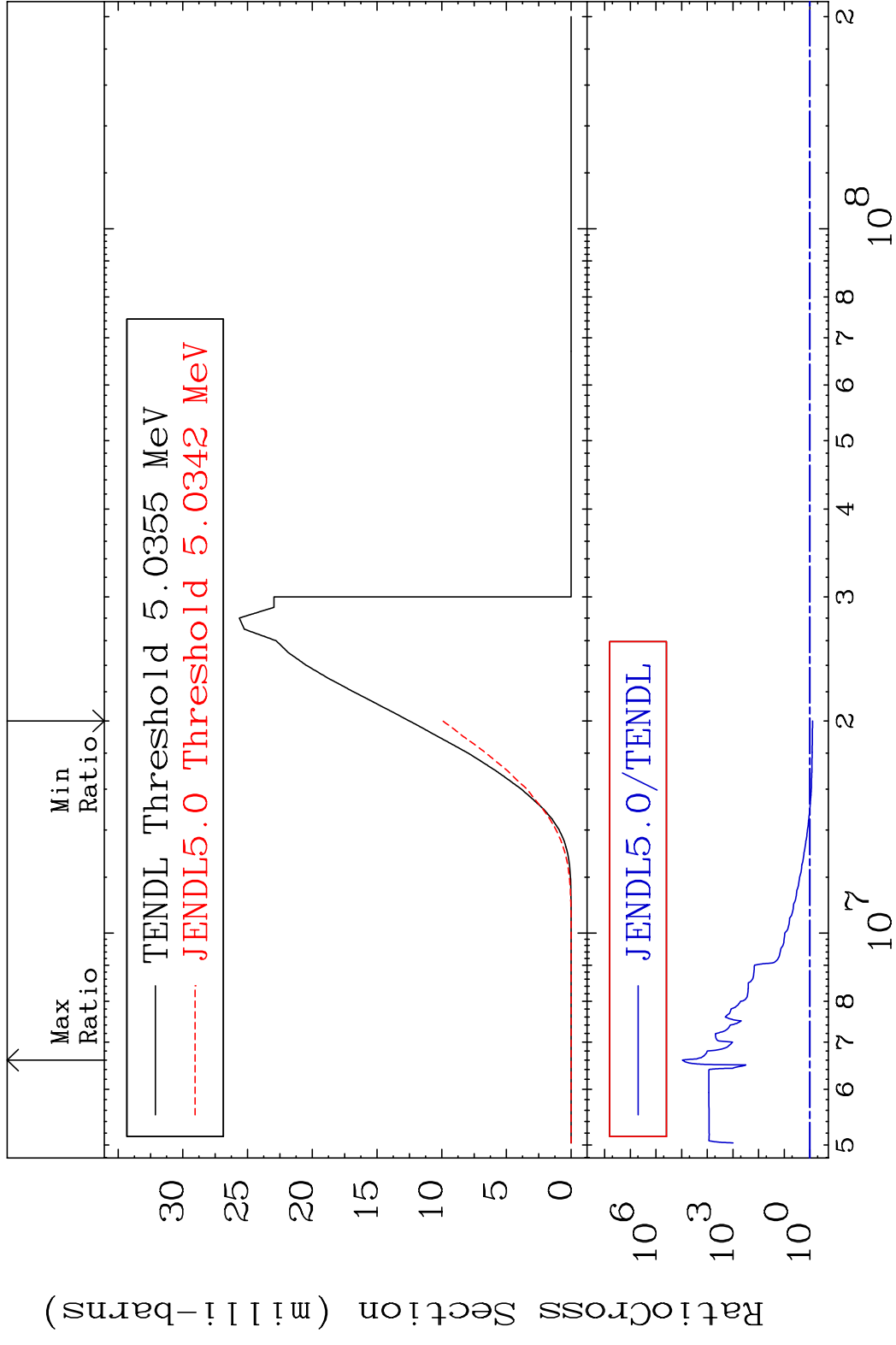


40

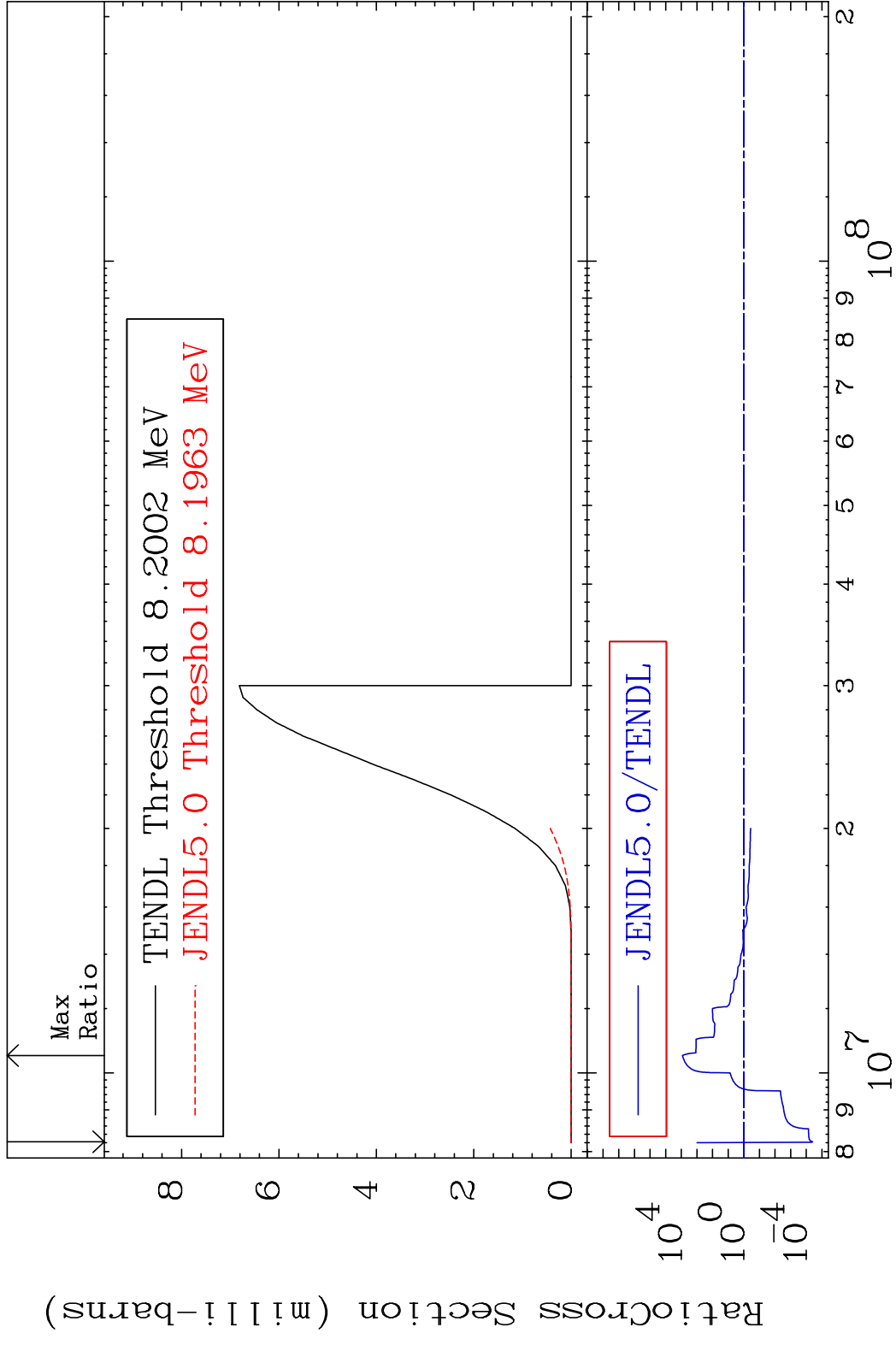
Incident Energy (eV)

60-Nd-142

MAT 6025 (n,d) 60-Nd-142
 Cross Section -20.65 To 9999. %



MAT 6025 (n, t) 60-Nd-142
 Cross Section -100.0 To 9999. %

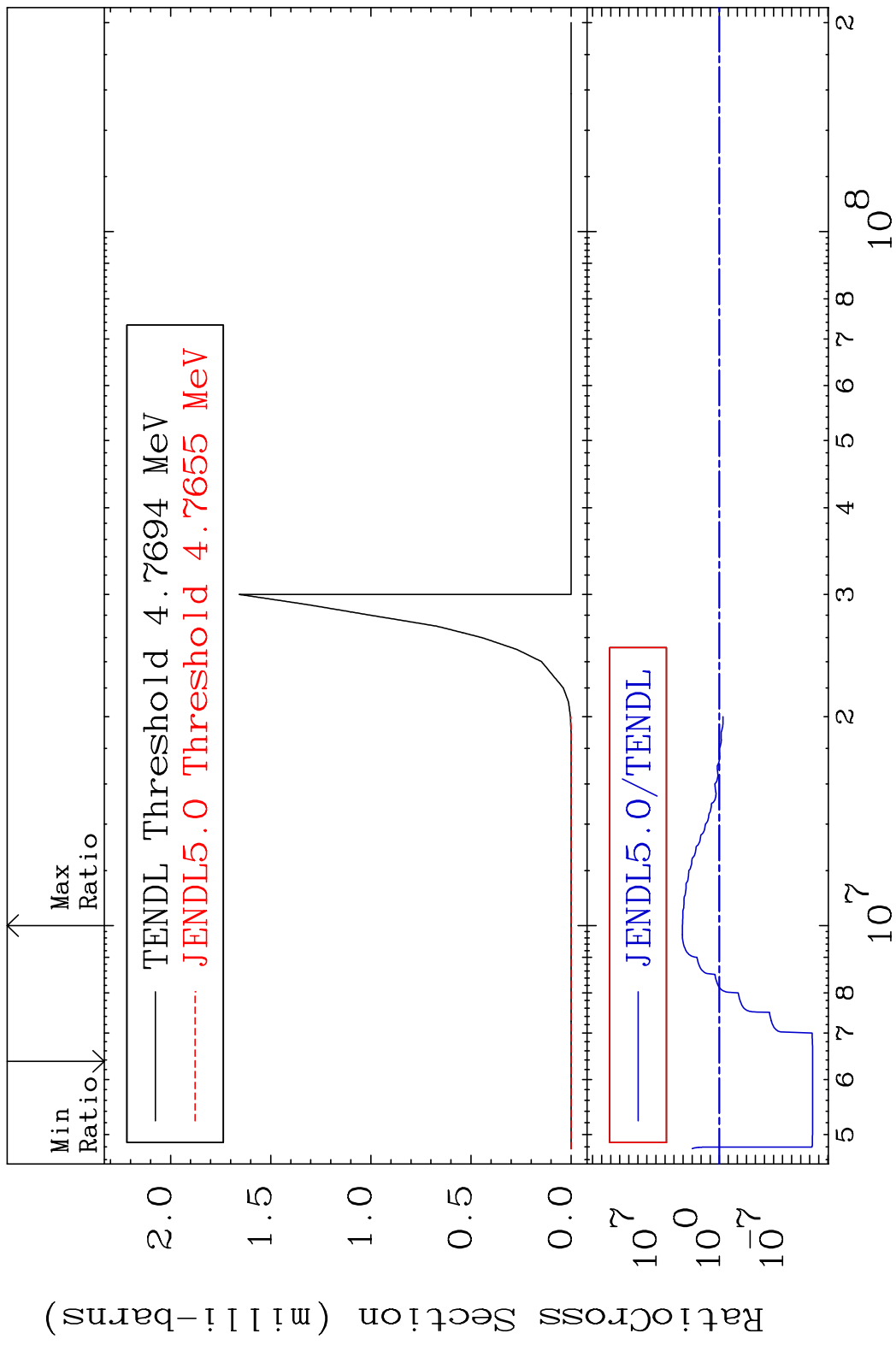


MAT 6025

(n, He-3)

60-Nd-142

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

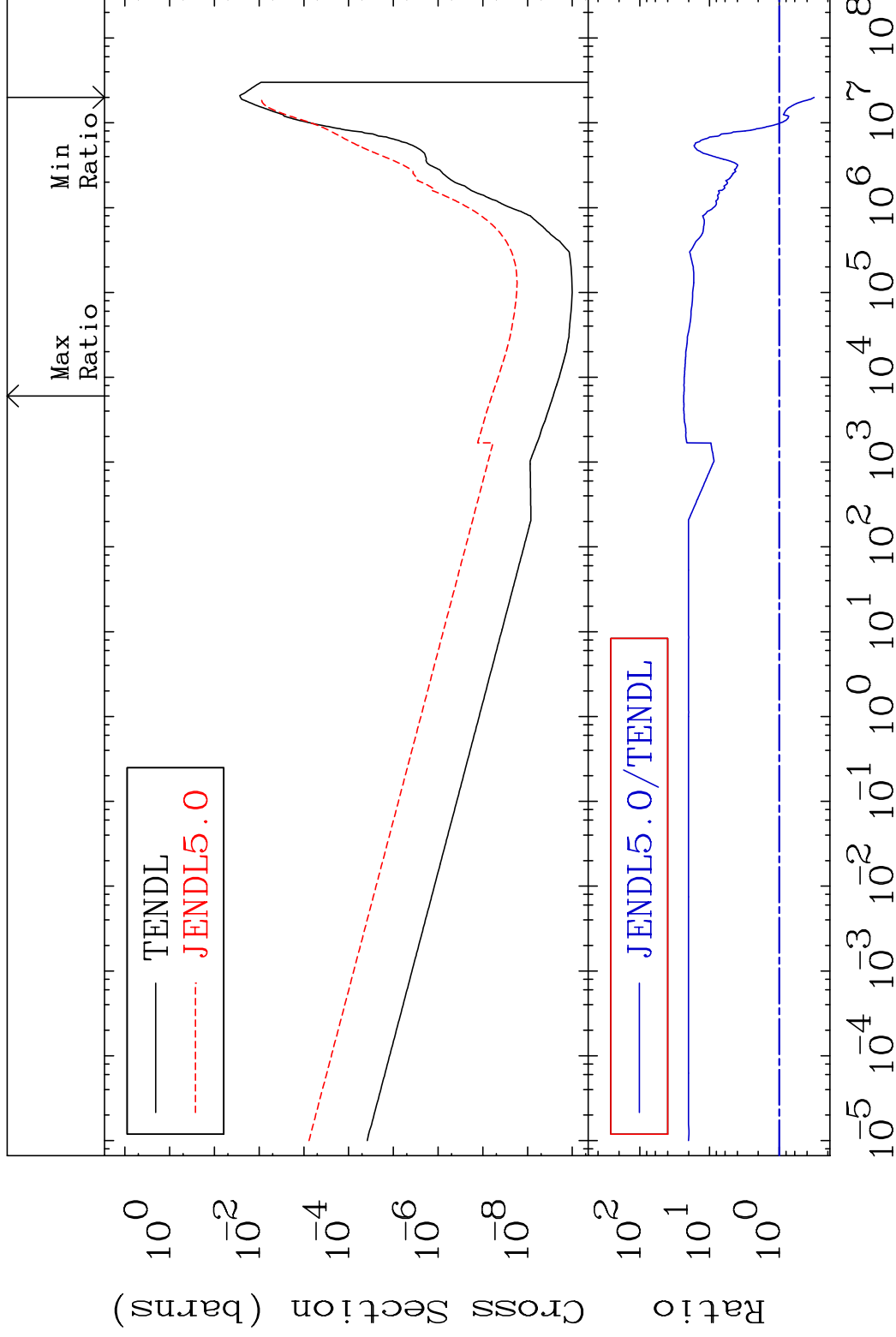
60-Nd-142

MAT 6025

(n, α)

60-Nd-142

Cross Section -68.39 To 2256. %

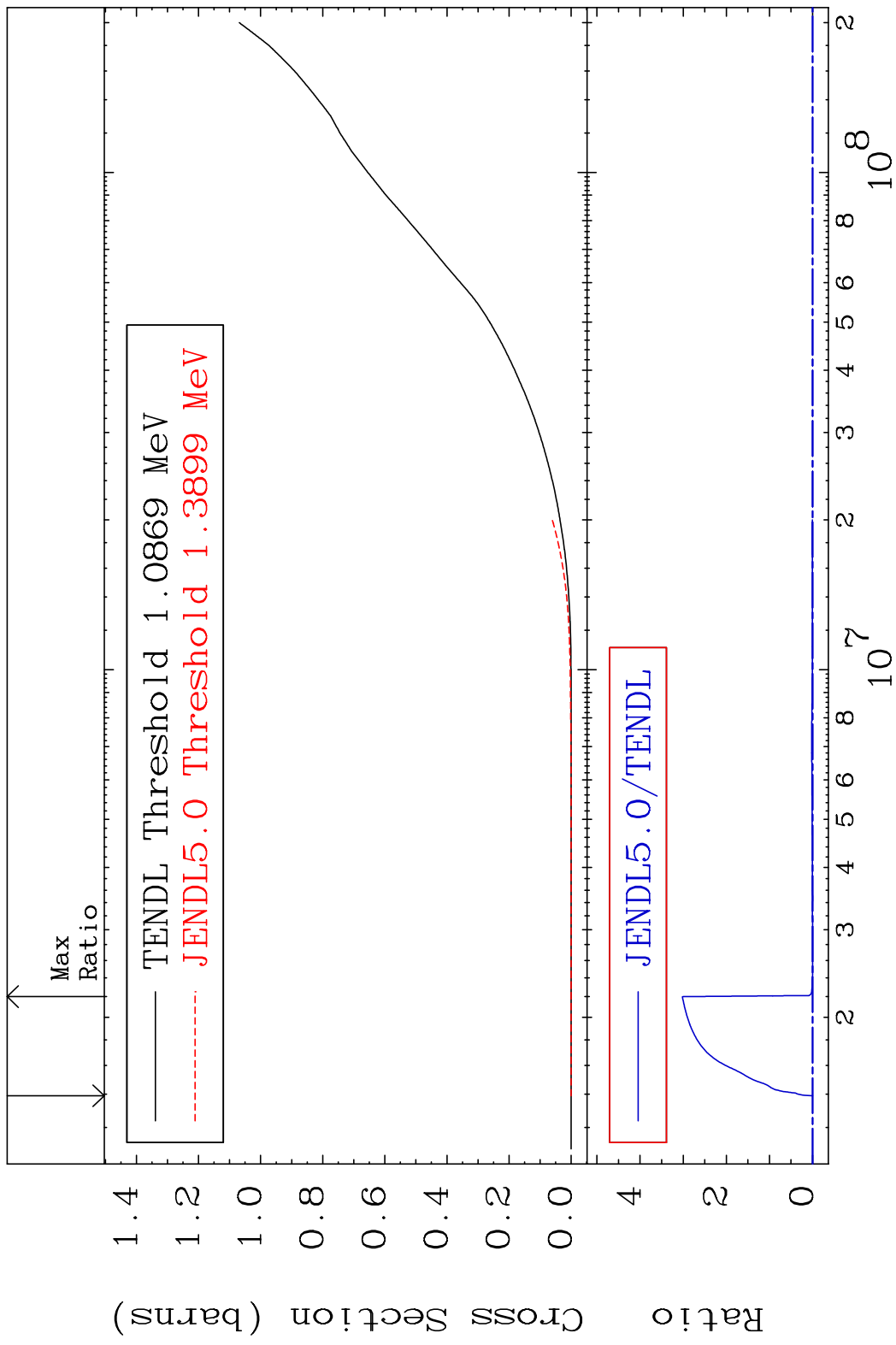


44

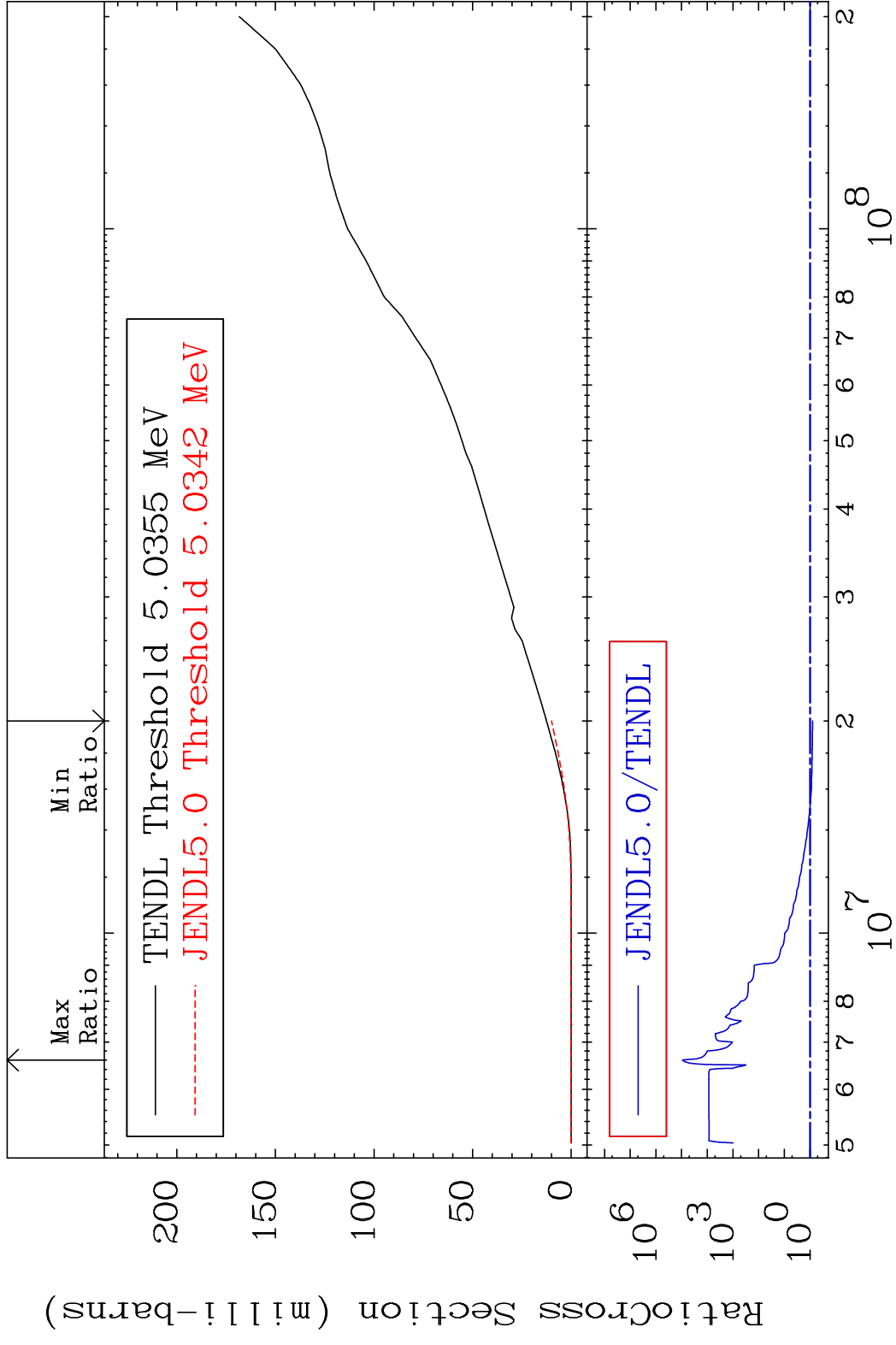
Incident Energy (eV)

60-Nd-142

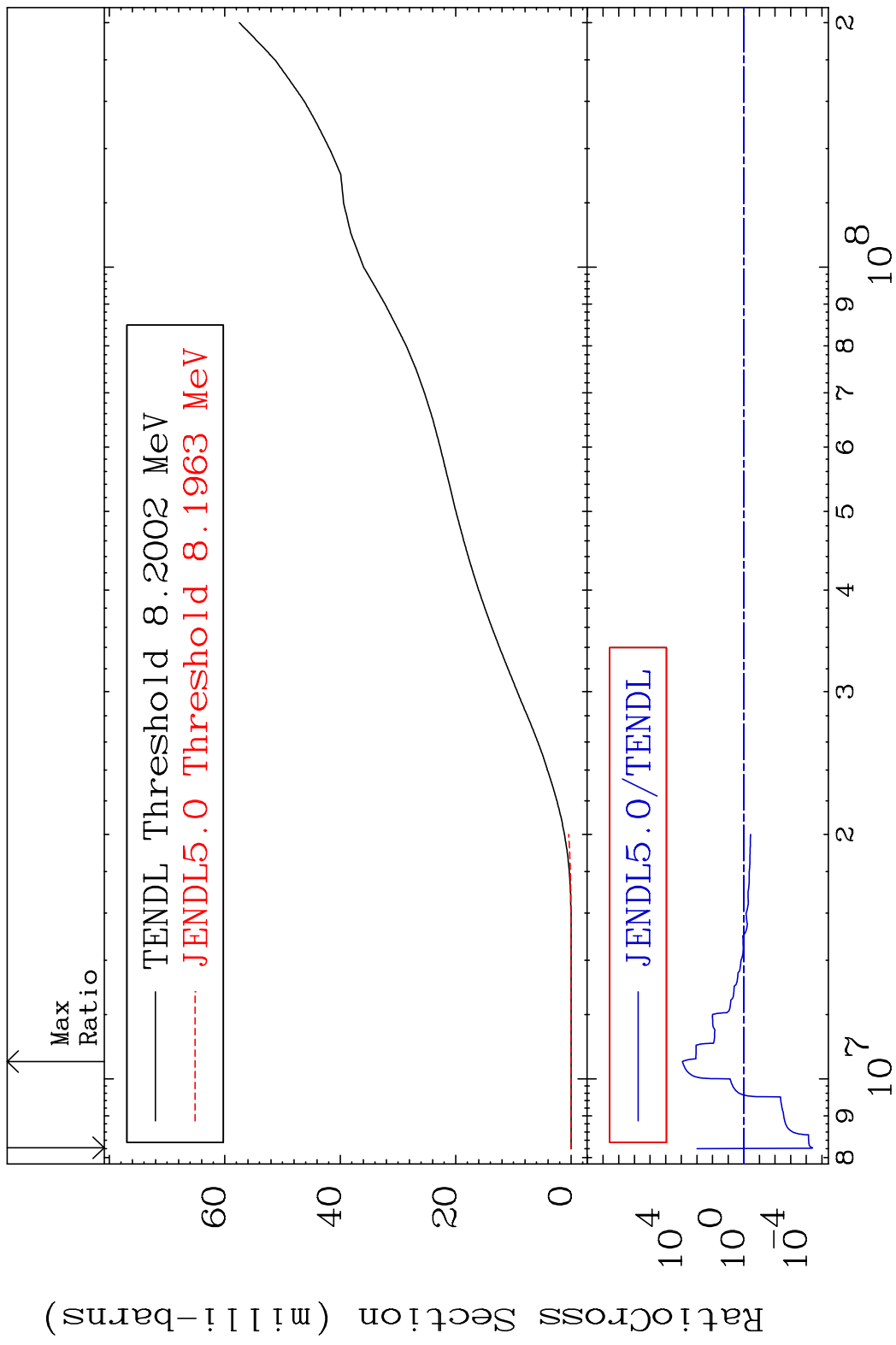
MAT 6025 Hydrogen Production 60-Nd-142
 Cross Section -100.0 To 9999. %



Cross Section -20.46 To 9999. %



MAT 6025 Tritium Production 60-Nd-142
 Cross Section -100.0 To 9999. %



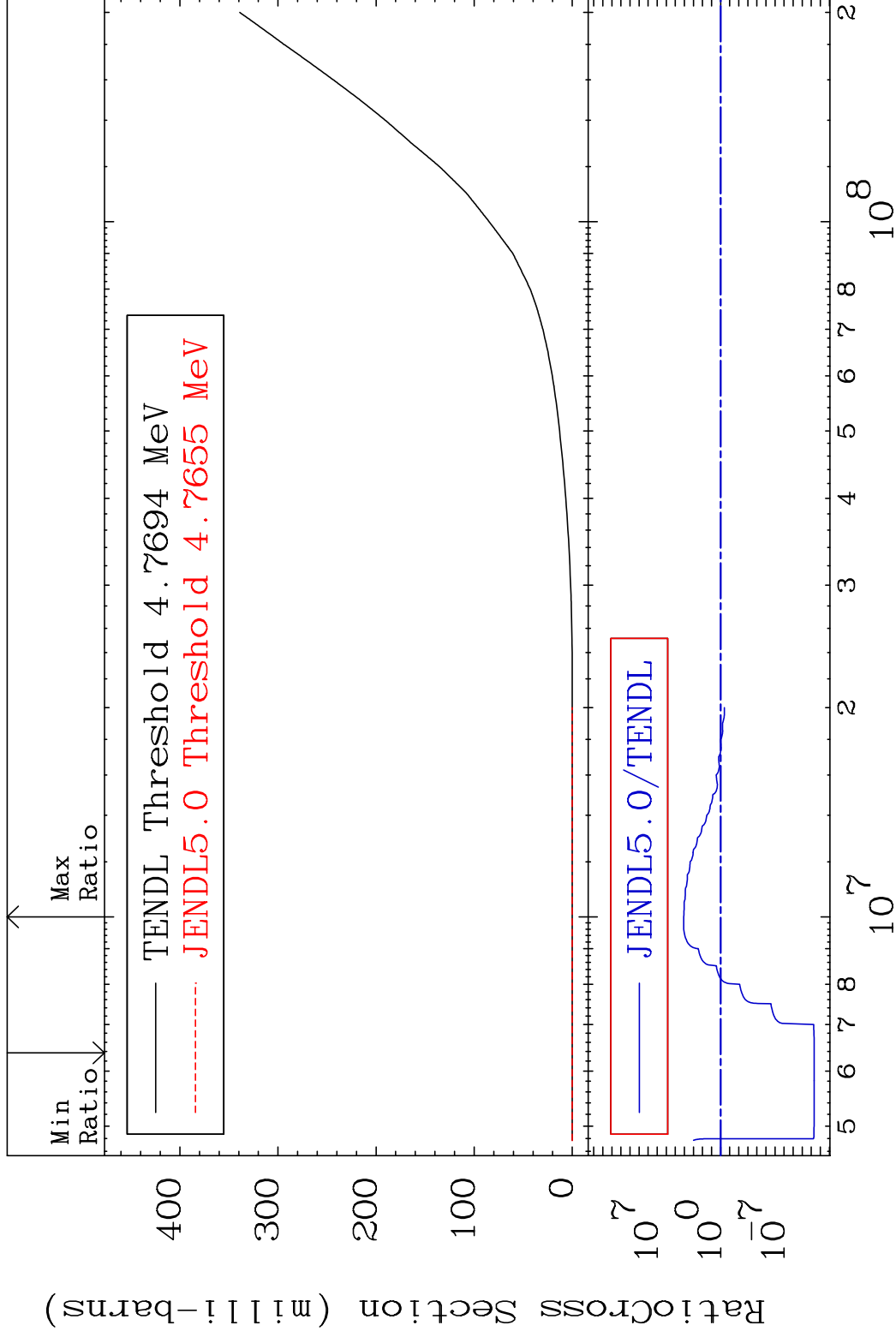
47 Incident Energy (eV) 60-Nd-142

MAT 6025

He-3 Production

60-Nd-142

Cross Section -100.0 To 9999. %



48

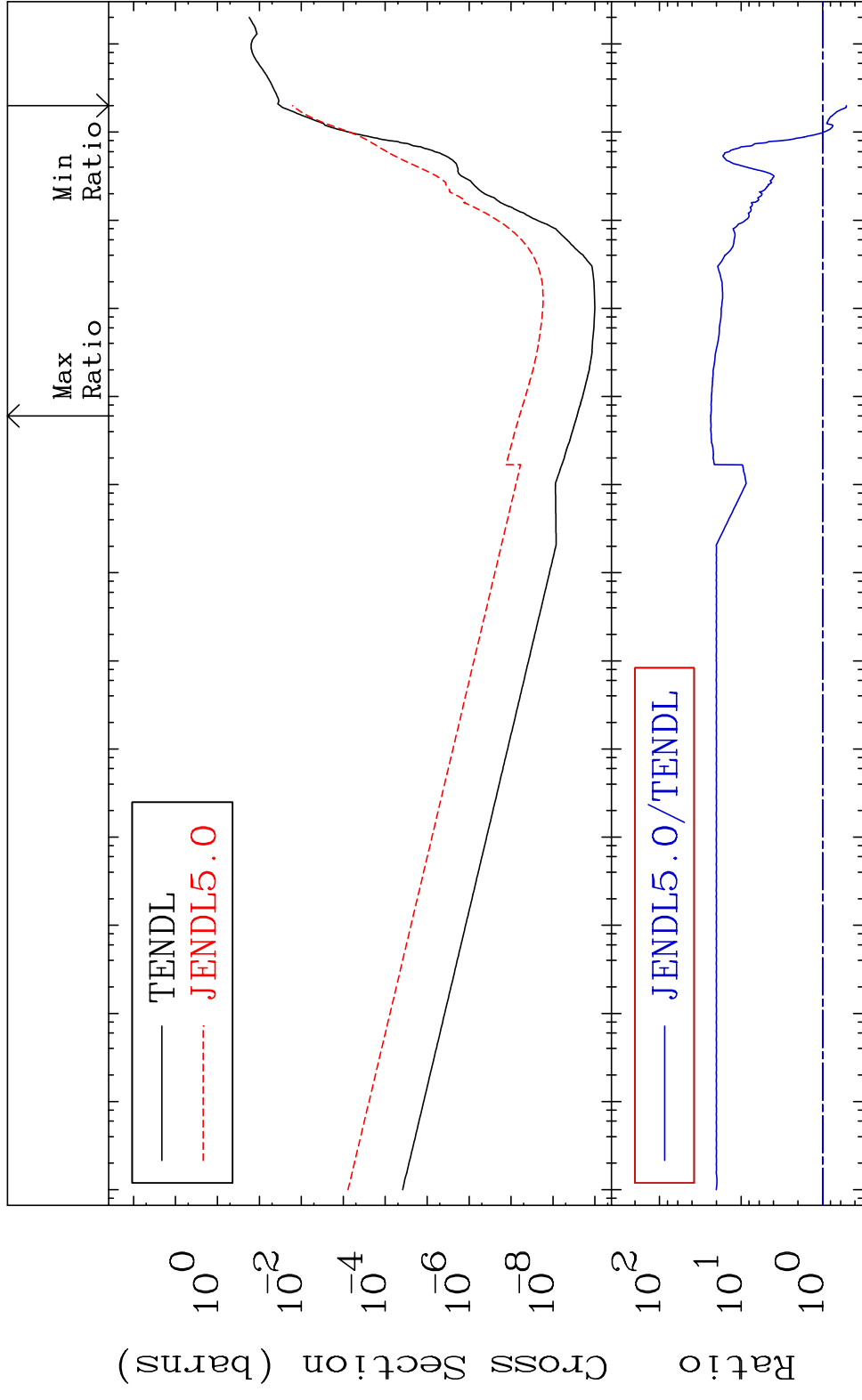
Incident Energy (eV)

60-Nd-142

MAT 6025

He-4 Production
Cross Section

60-Nd-142
-48.92 To 2256. %

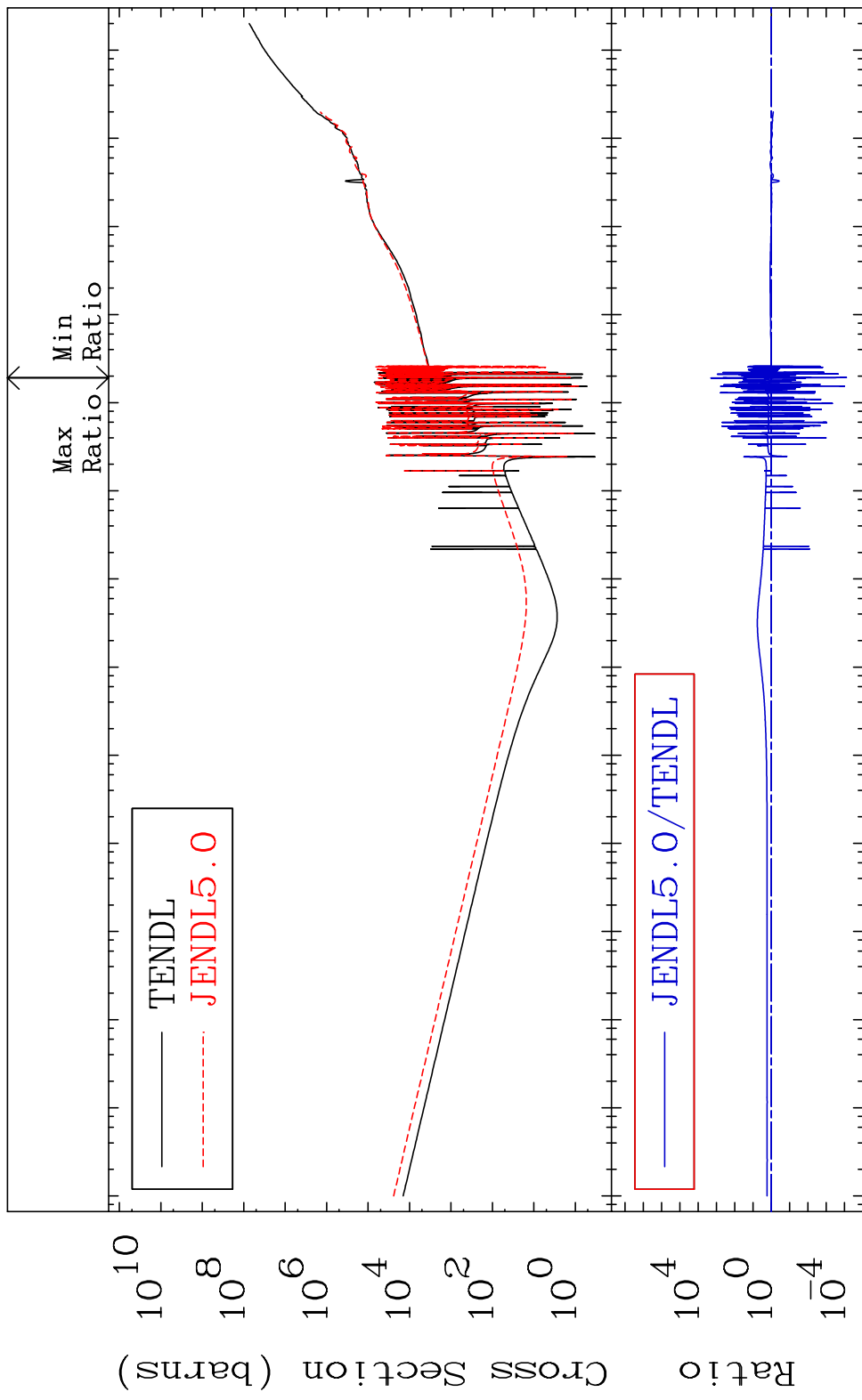


49

Incident Energy (eV)

60-Nd-142

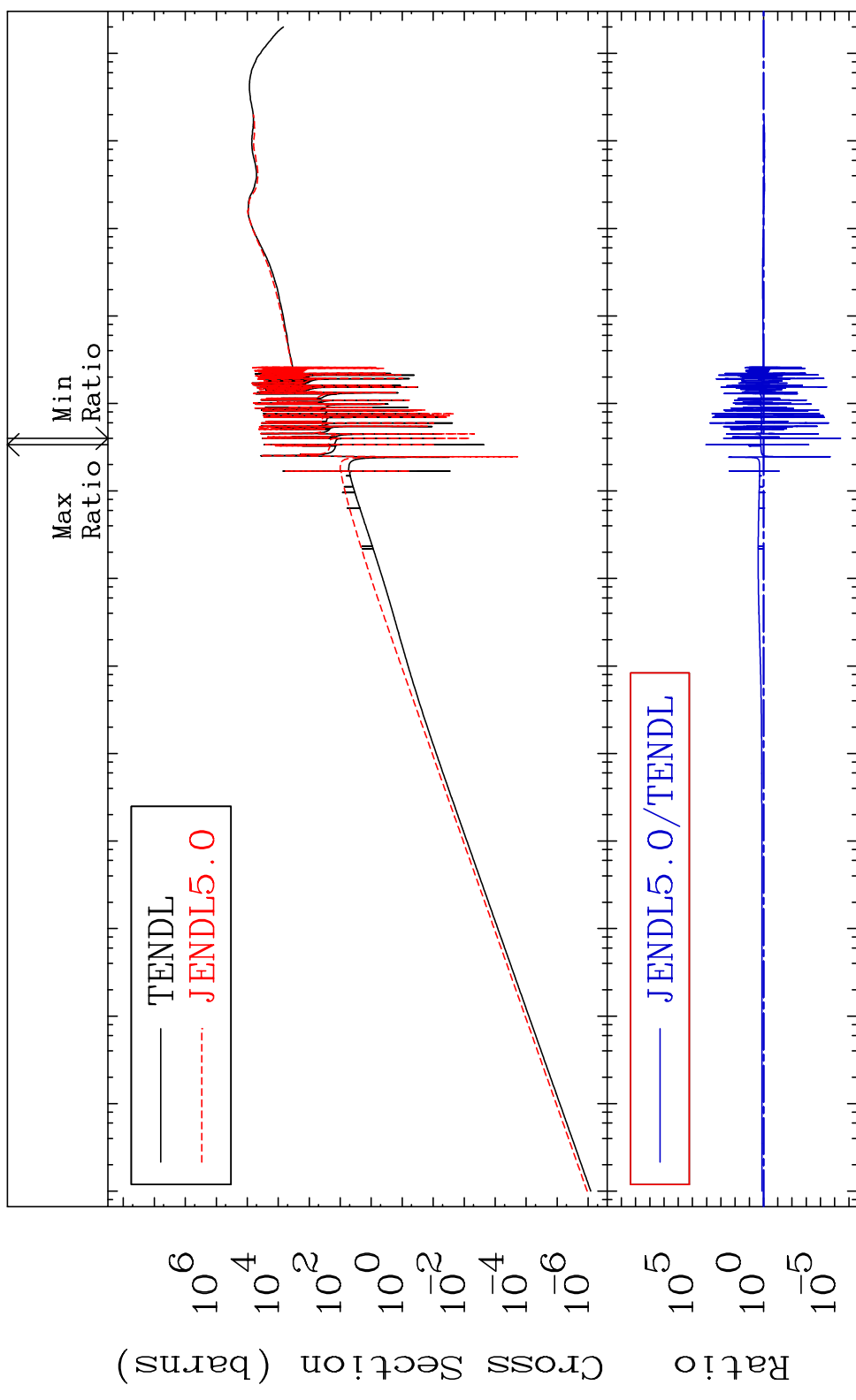
MAT 6025 Kerma total (eV-barns) 60-Nd-142
 Cross Section -99.99 To 9999. %



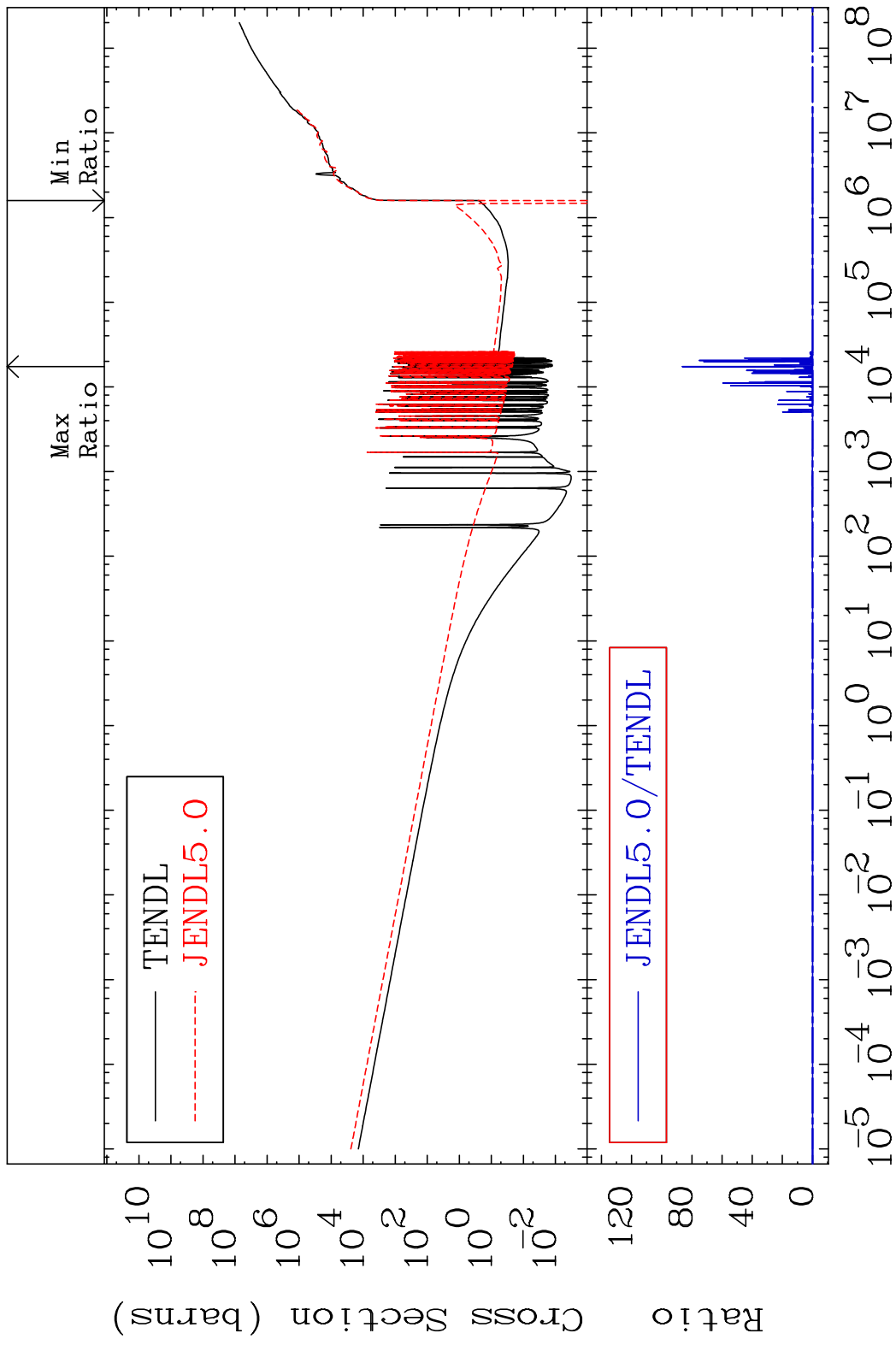
50 Incident Energy (eV) 60-Nd-142

MAT 6025

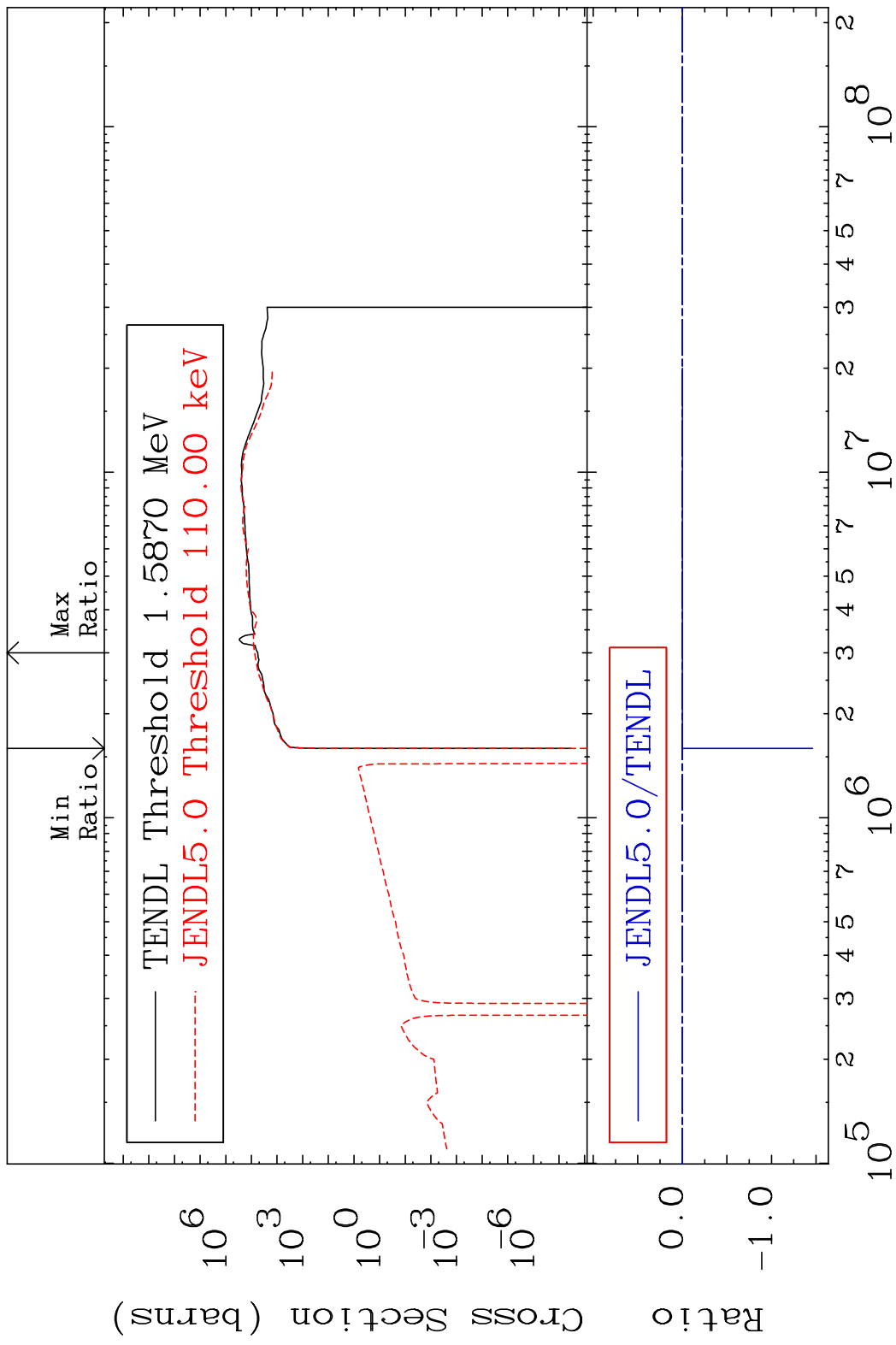
Kerma elastic
Cross Section -100.0 To 9999. %
60-Nd-142



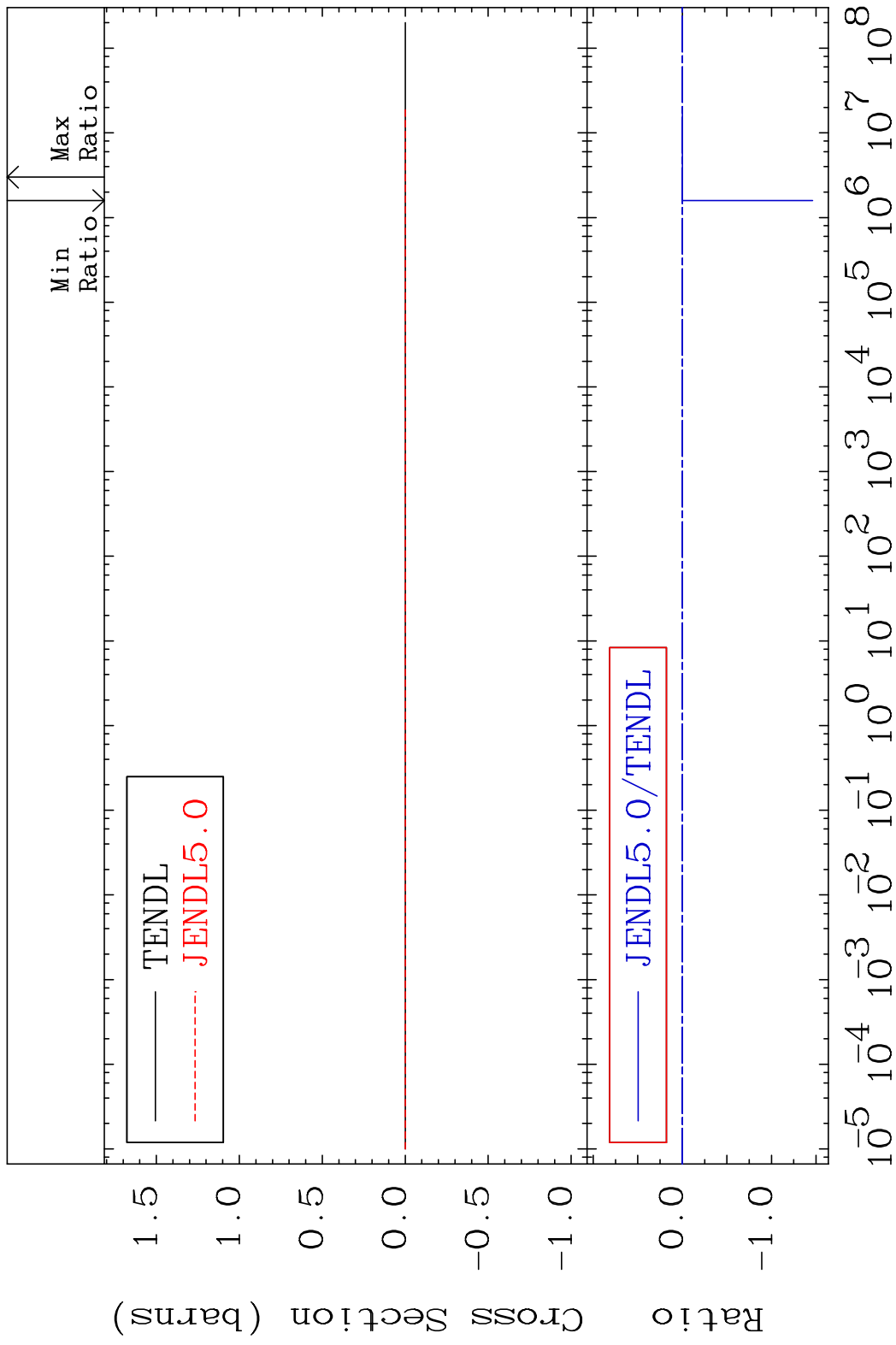
MAT 6025 Kerma non-elastic (all but mt2) 60-Nd-142
 Cross Section -1621. To 9999. %



MAT 6025 Kerma inelastic (mt51-91) 60-Nd-142
 Cross Section -9999. To 33.28 %

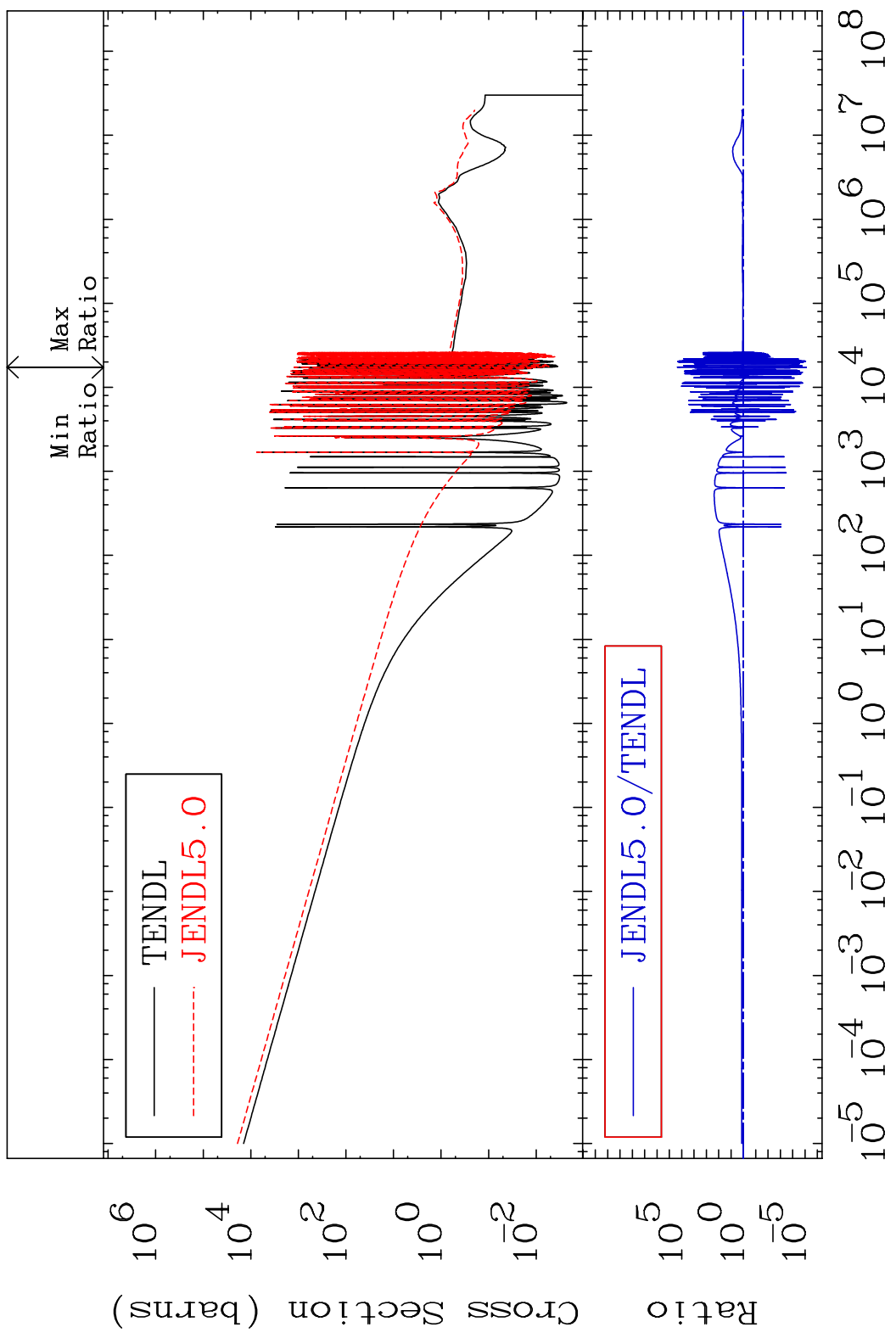


MAT 6025 Kerma fission (mt18 or mt19-20-21-38) ⁶⁰Nd-142
 Cross Section -9999. To 33.28 %

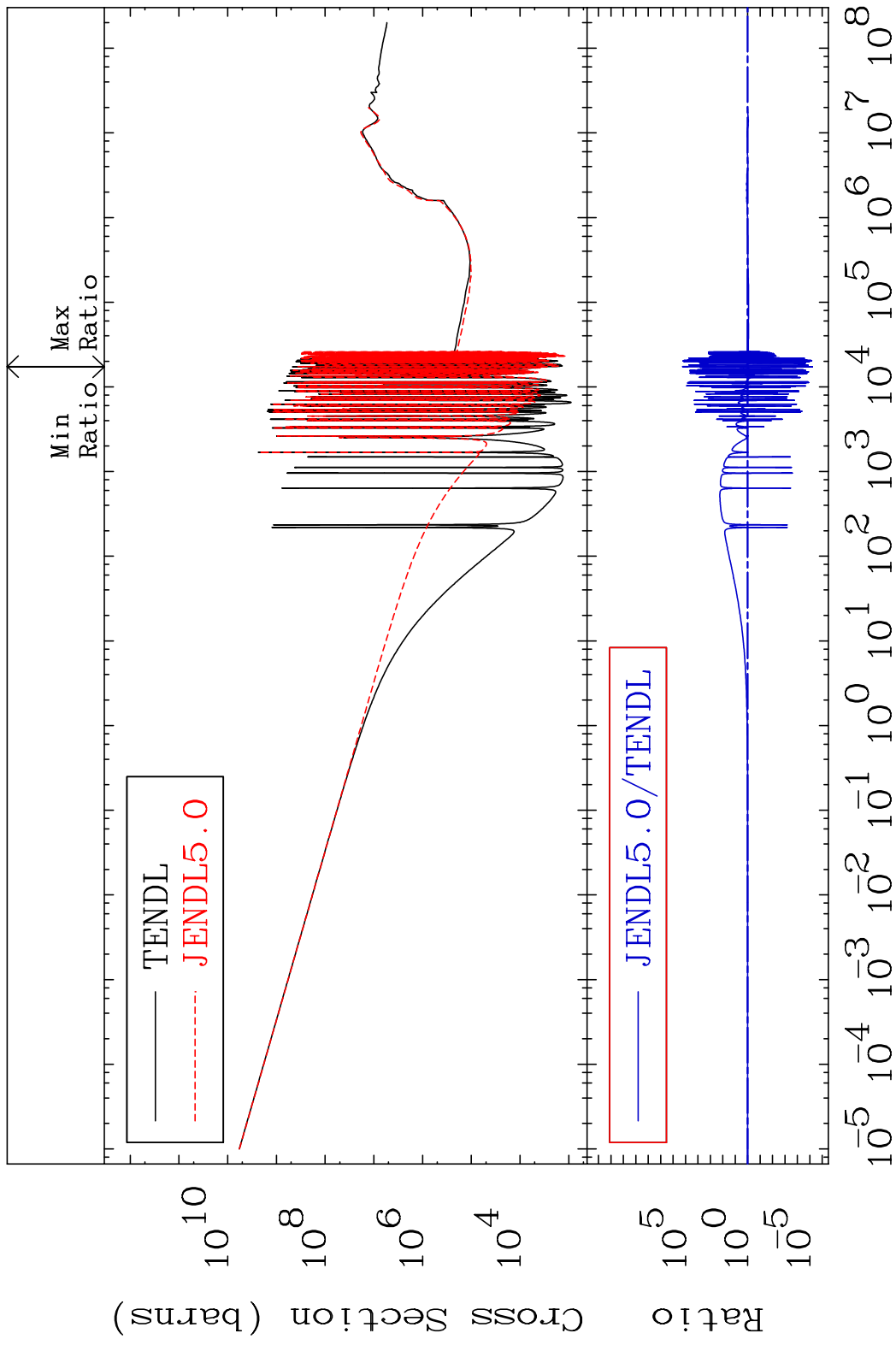


MAT 6025

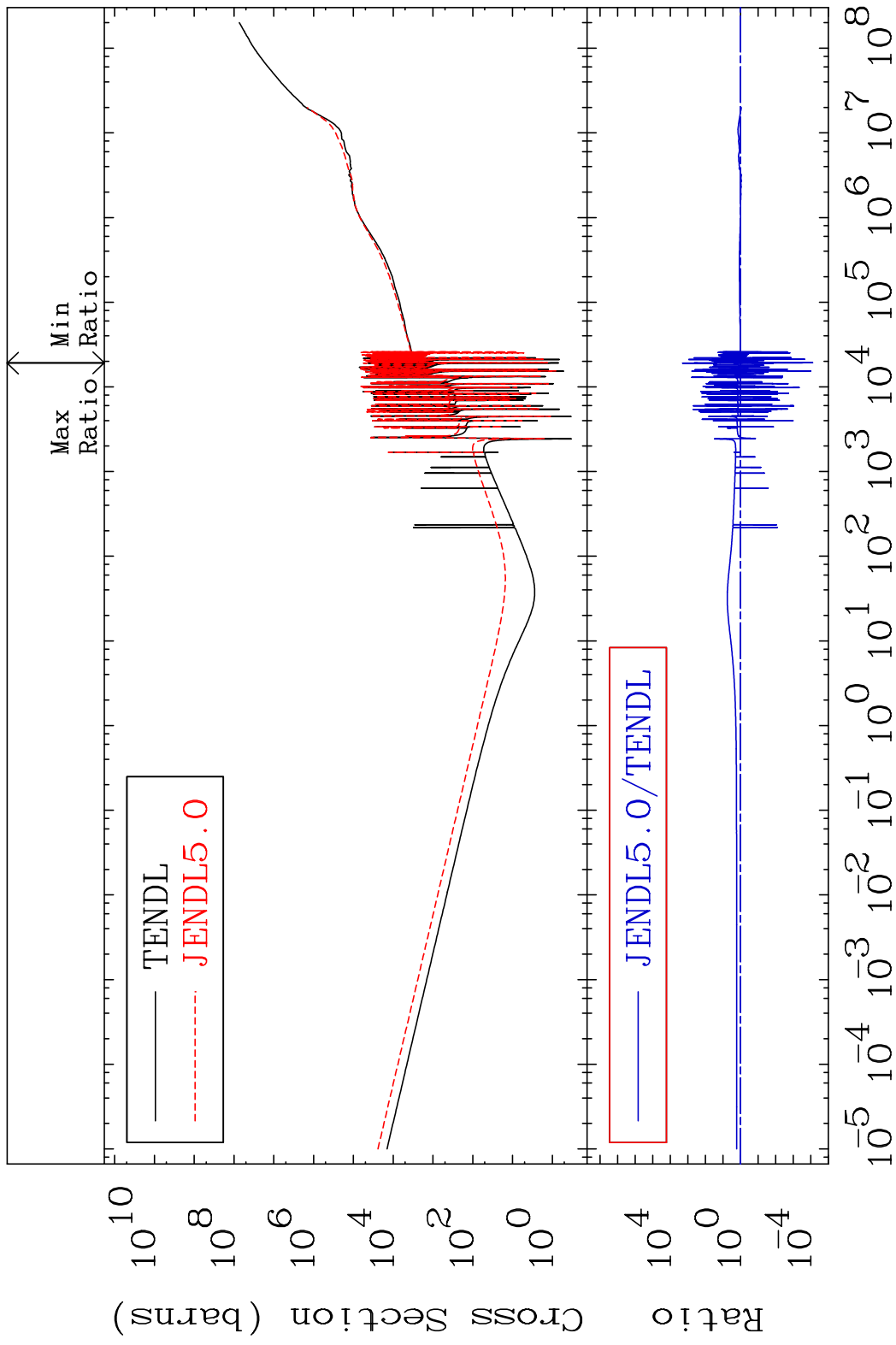
Kerma capture (mt102) 60-Nd-142
Cross Section -100.0 To 9999. %



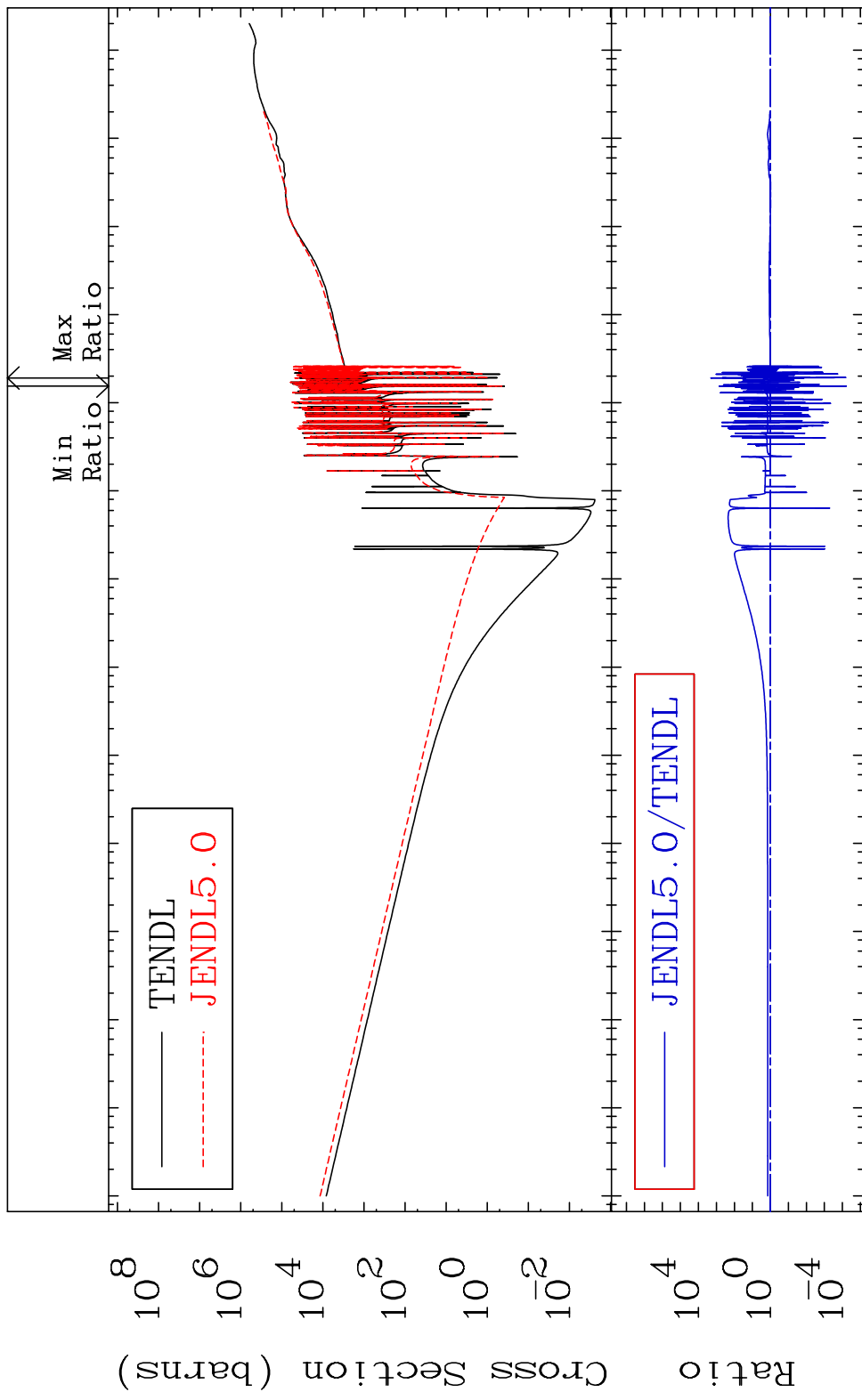
MAT 6025 Total photon (eV-barns) 60-Nd-142
 Cross Section -100.0 To 9999. %



MAT 6025 Total kinematic kerma (high limit) 60-Nd-142
 Cross Section -99.99 To 9999. %



MAT 6025 Dpa total (eV-barns) 60-Nd-142
 Cross Section -99.99 To 9999. %

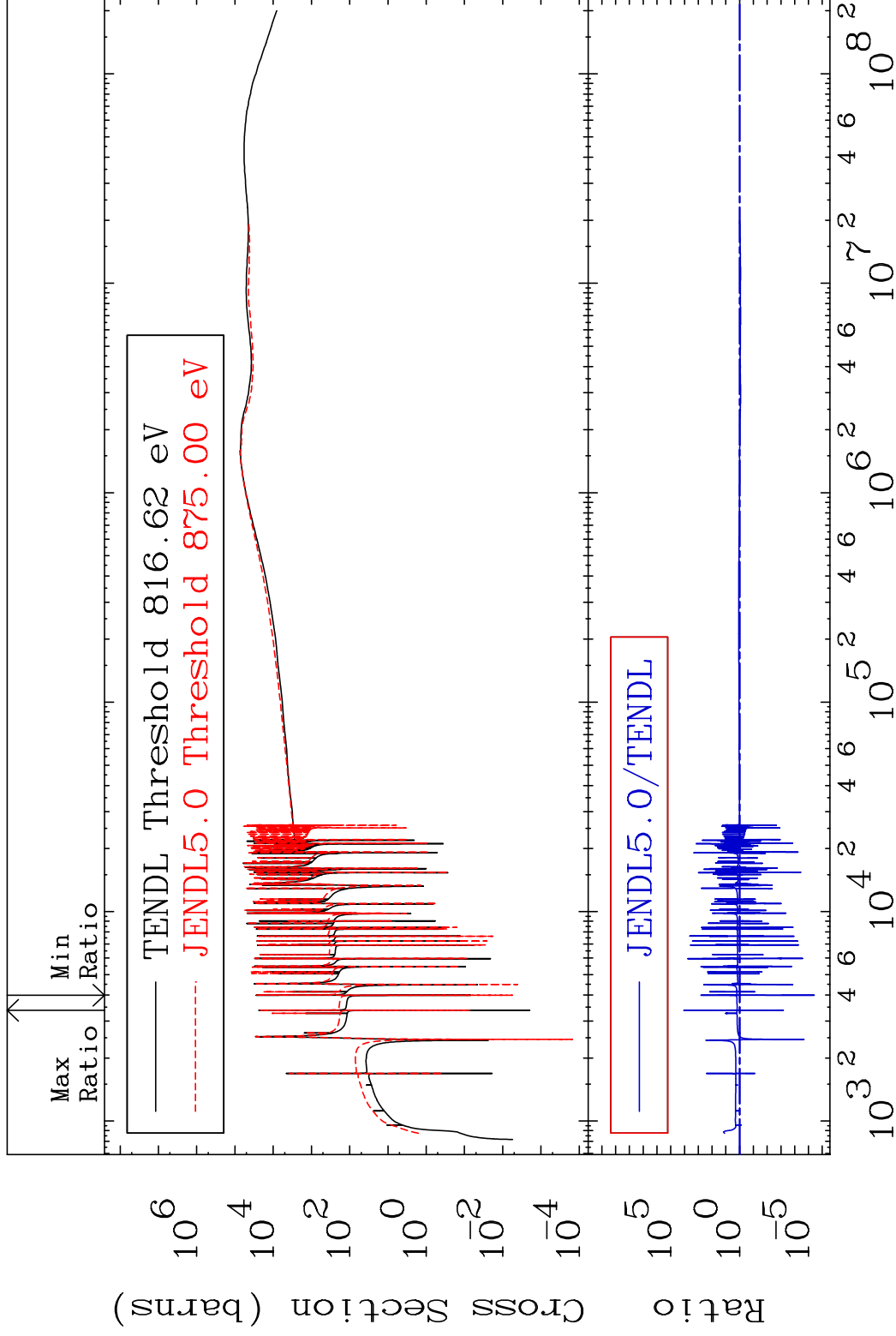


MAT 6025

Dpa elastic (mt2)

60-Nd-142

Cross Section -100.0 To 9999. %

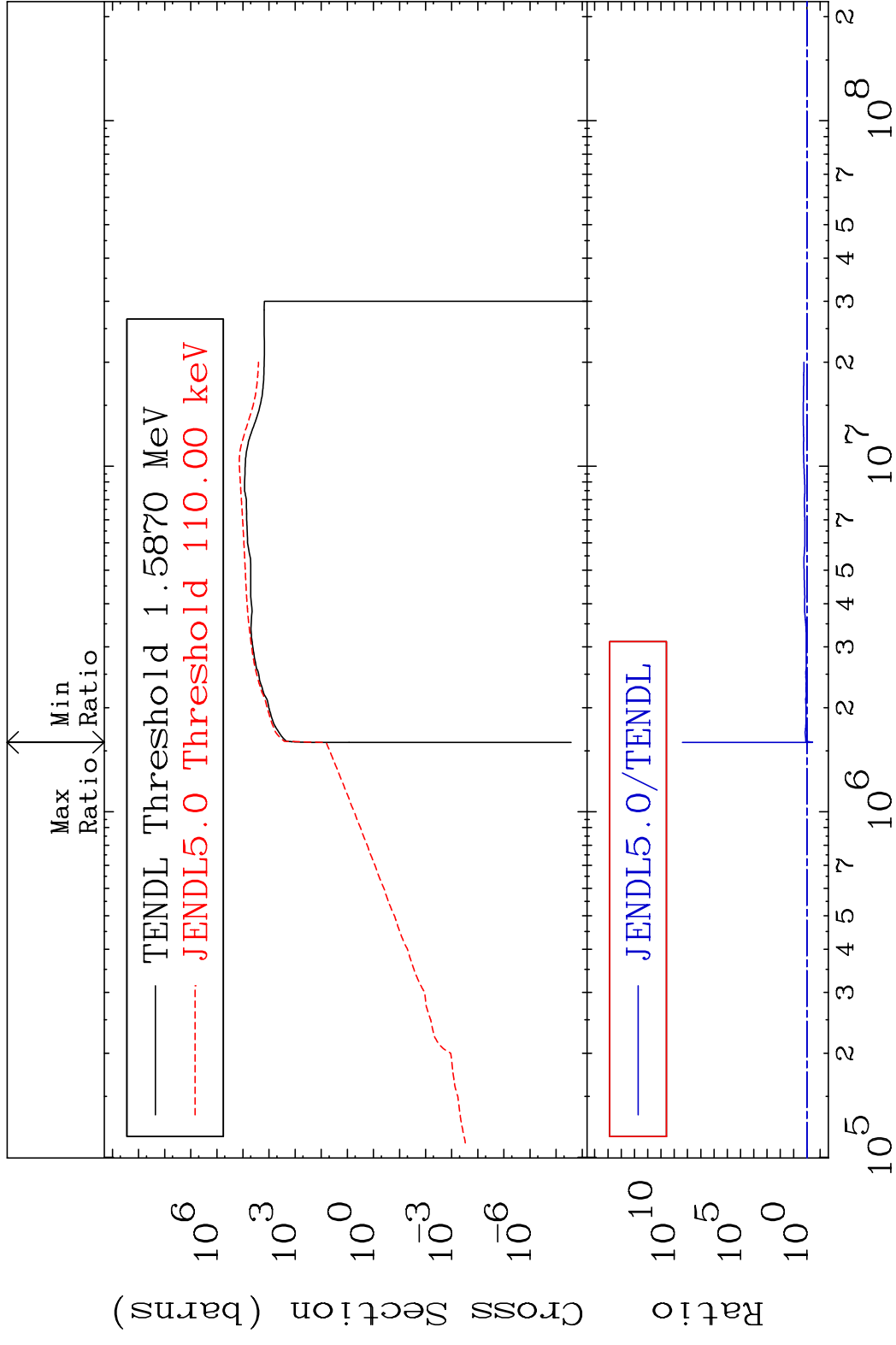


59

Incident Energy (eV)

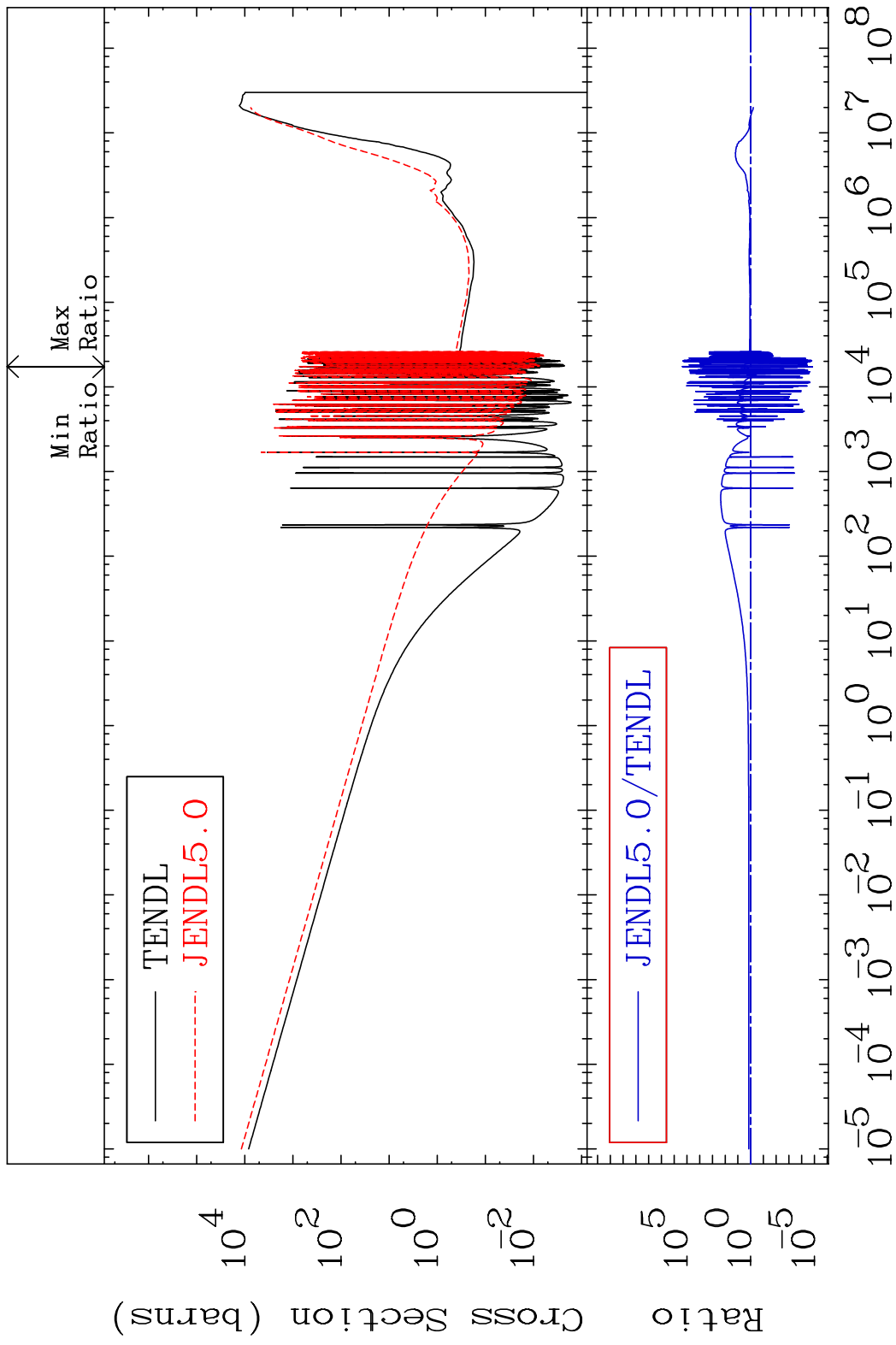
60-Nd-142

MAT 6025 Dpa inelastic (mt51-91) 60-Nd-142
 Cross Section -62.82 To 9999. %

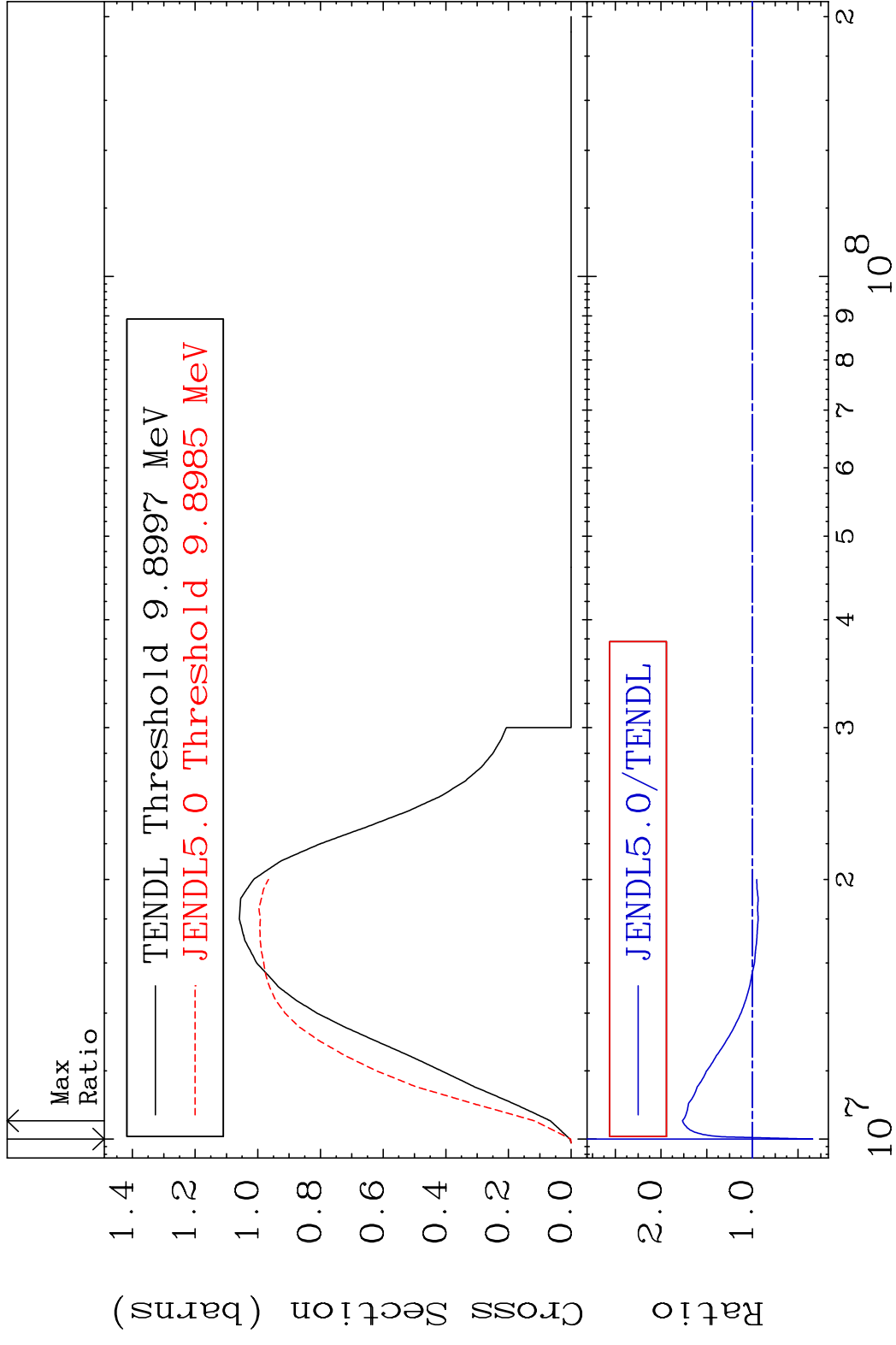


60 Incident Energy (eV) 60-Nd-142

MAT 6025 Dpa disappearance (mt102 -120) 60-Nd-142
Cross Section -100.0 To 9999. %

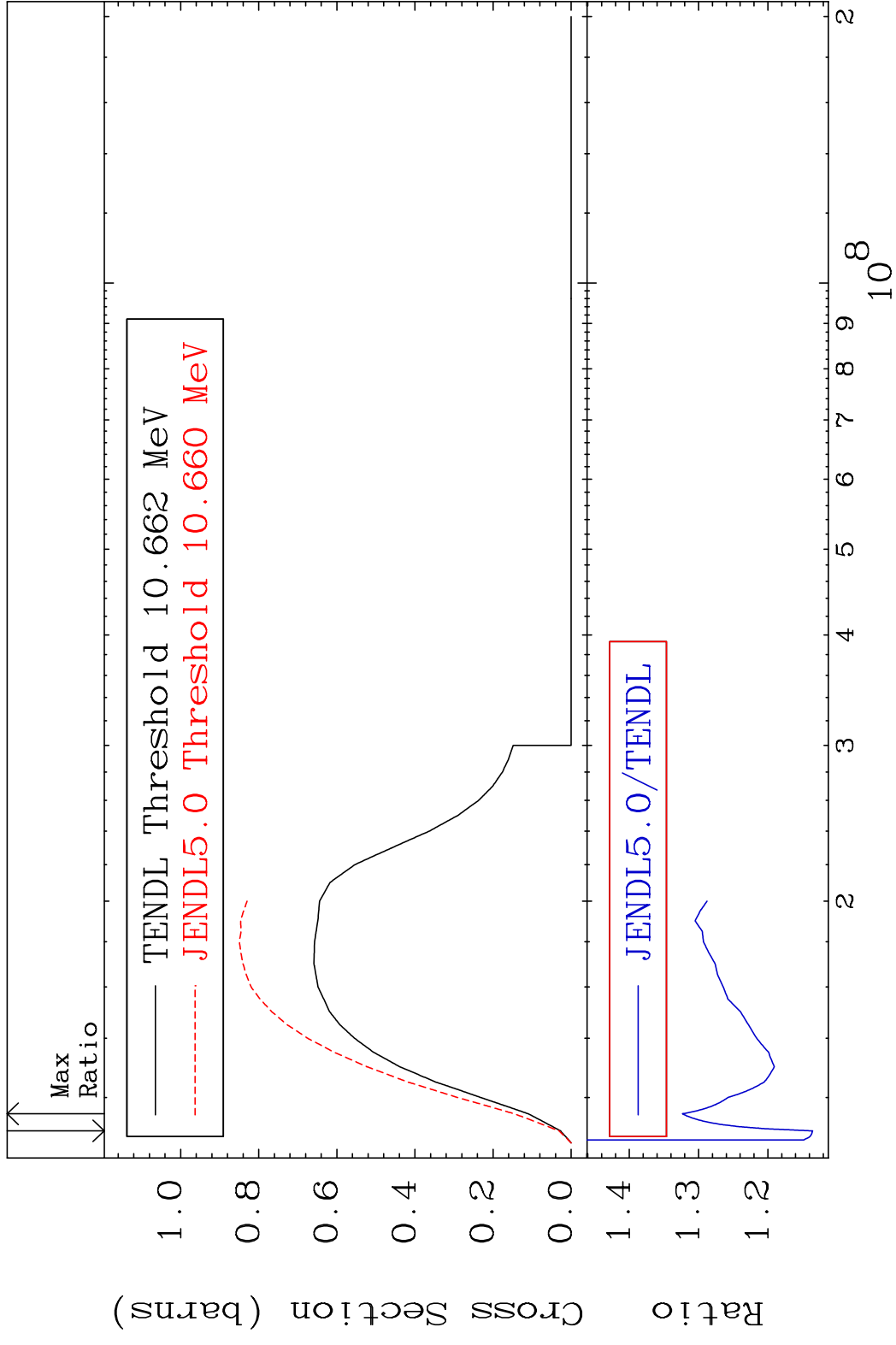


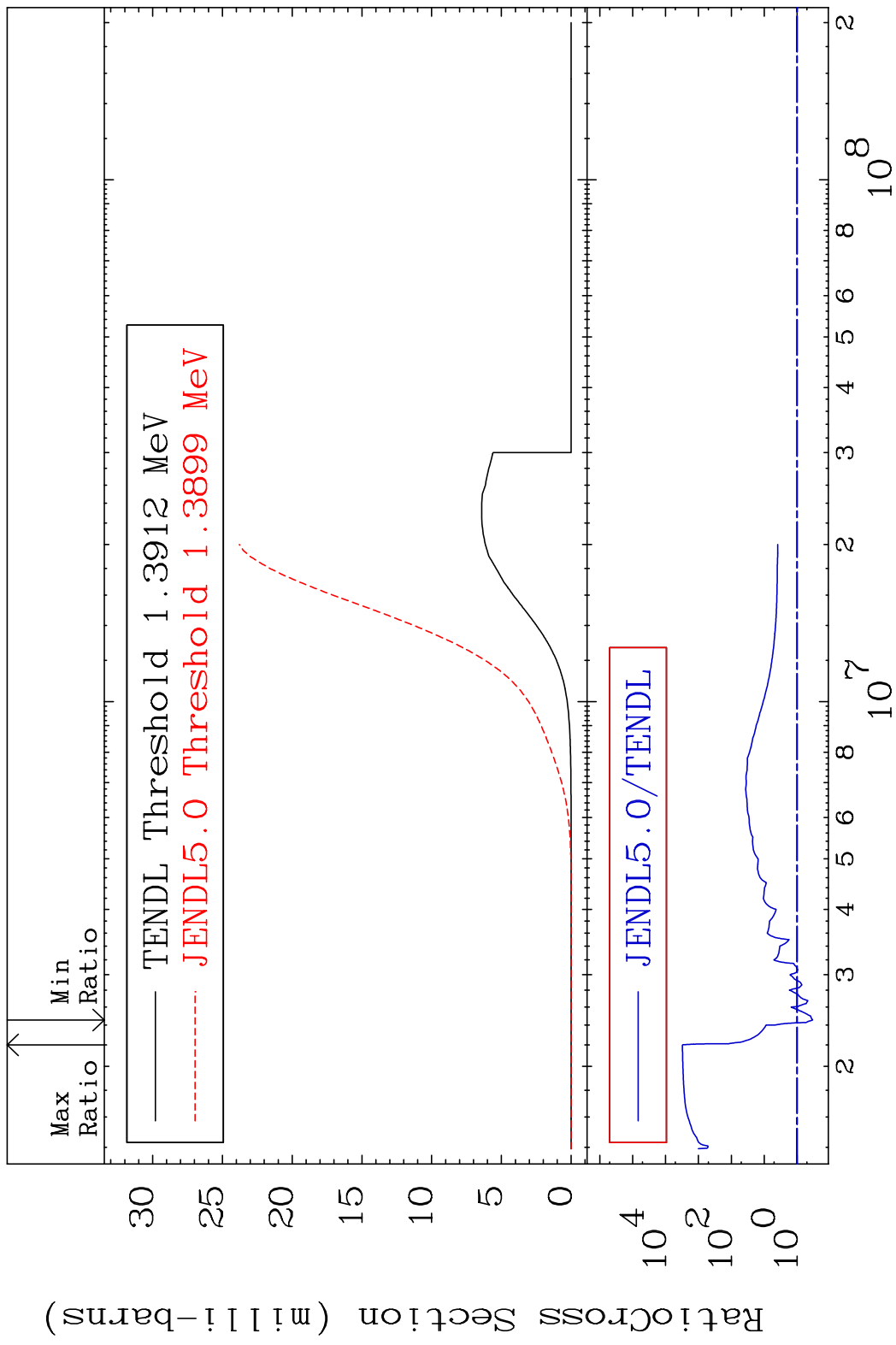
MAT 6025 (n,2n):60-Nd-141g 60-Nd-142
 Radionuclide Production Cross Section 65.84110 76.66 %

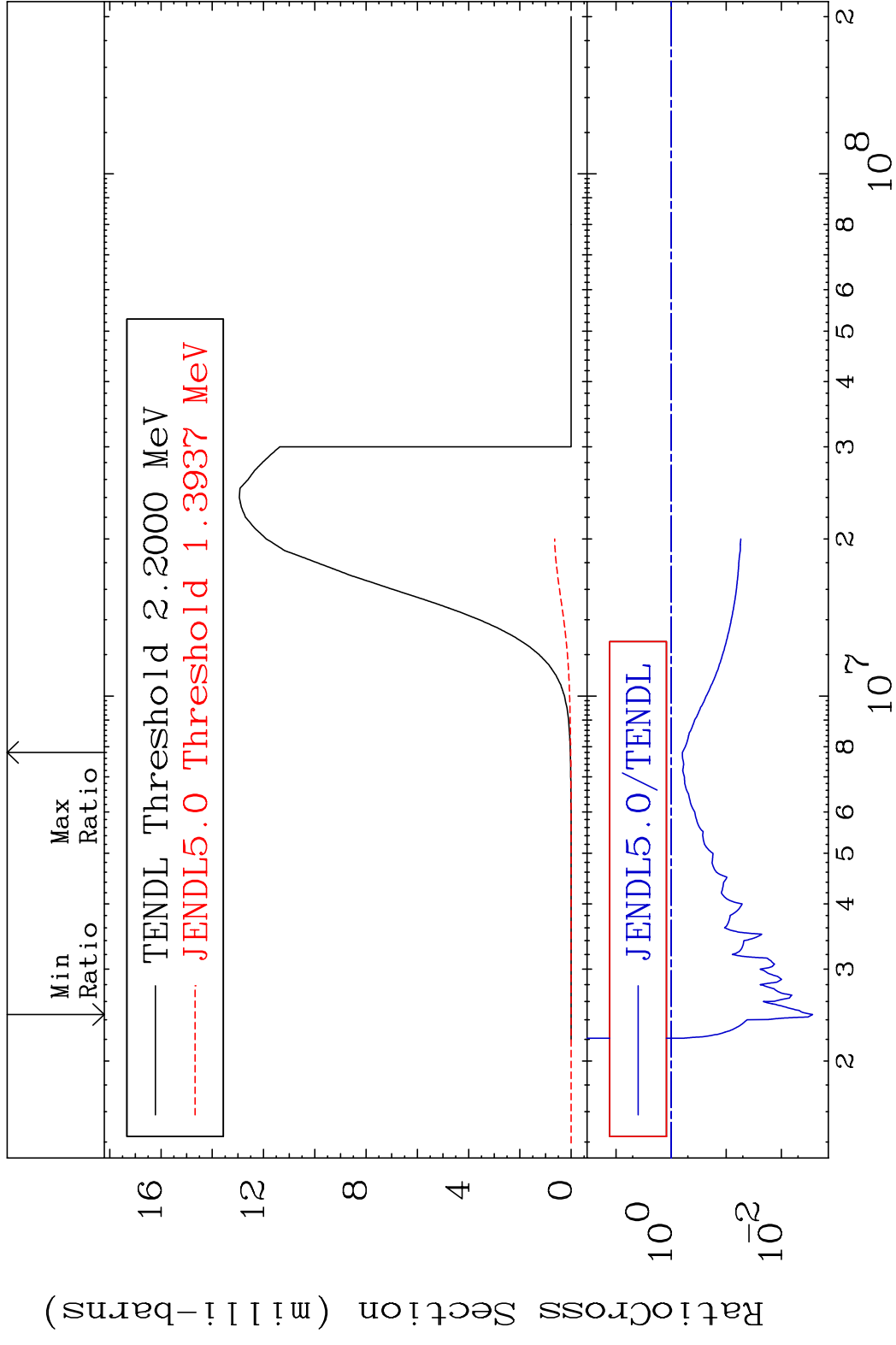


62 Incident Energy (eV) 60-Nd-142

MAT 6025 (n,2n):60-Nd-141m2 60-Nd-142
 Radionuclide Production Cross Section 32.35 %





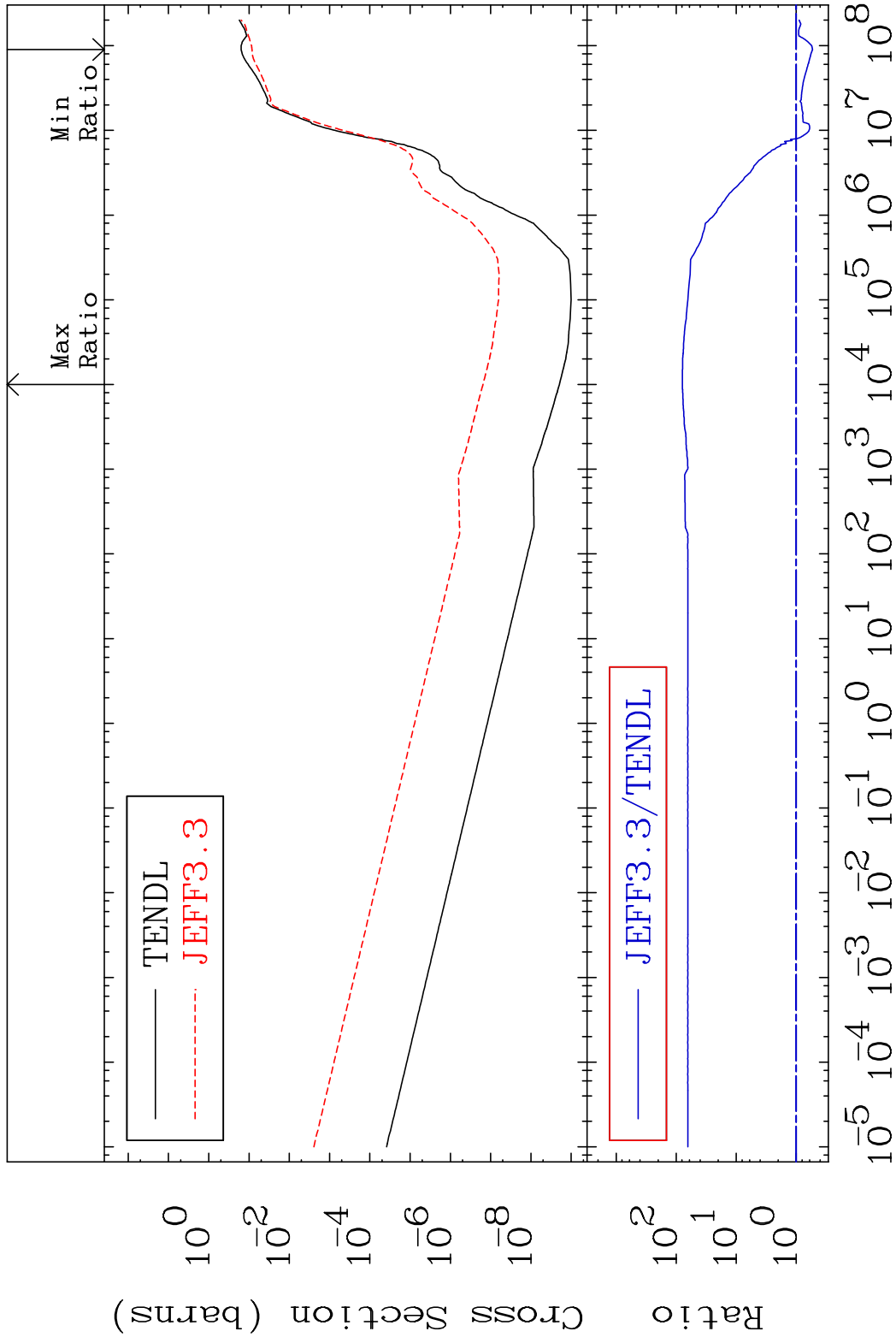


MAT 6025

He-4 Production

60-Nd-142

Cross Section -46.48 To 7802. %

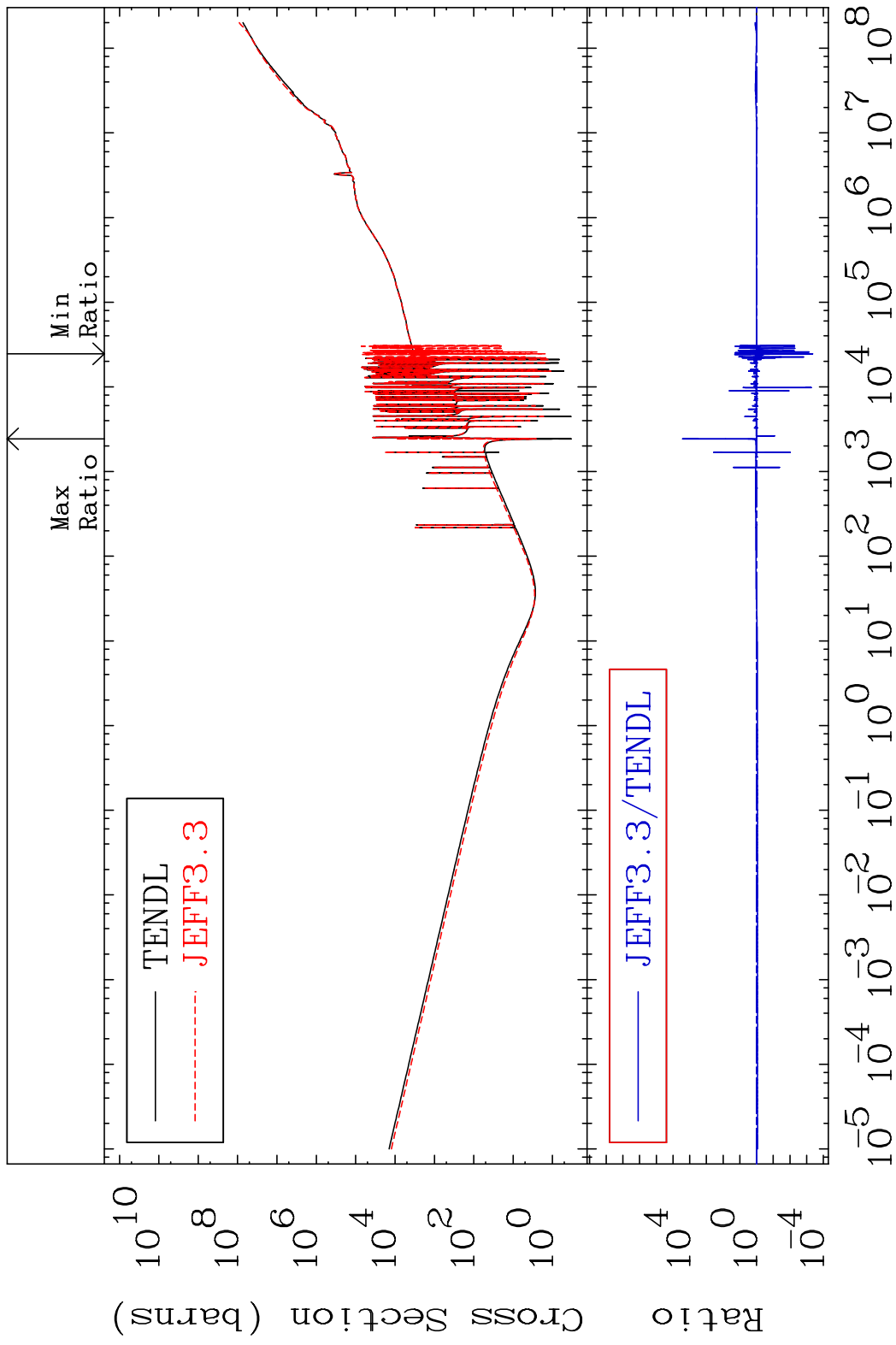


66

Incident Energy (eV)

60-Nd-142

MAT 6025 Kerma total (eV-barns) 60-Nd-142
 Cross Section -99.96 To 9999. %

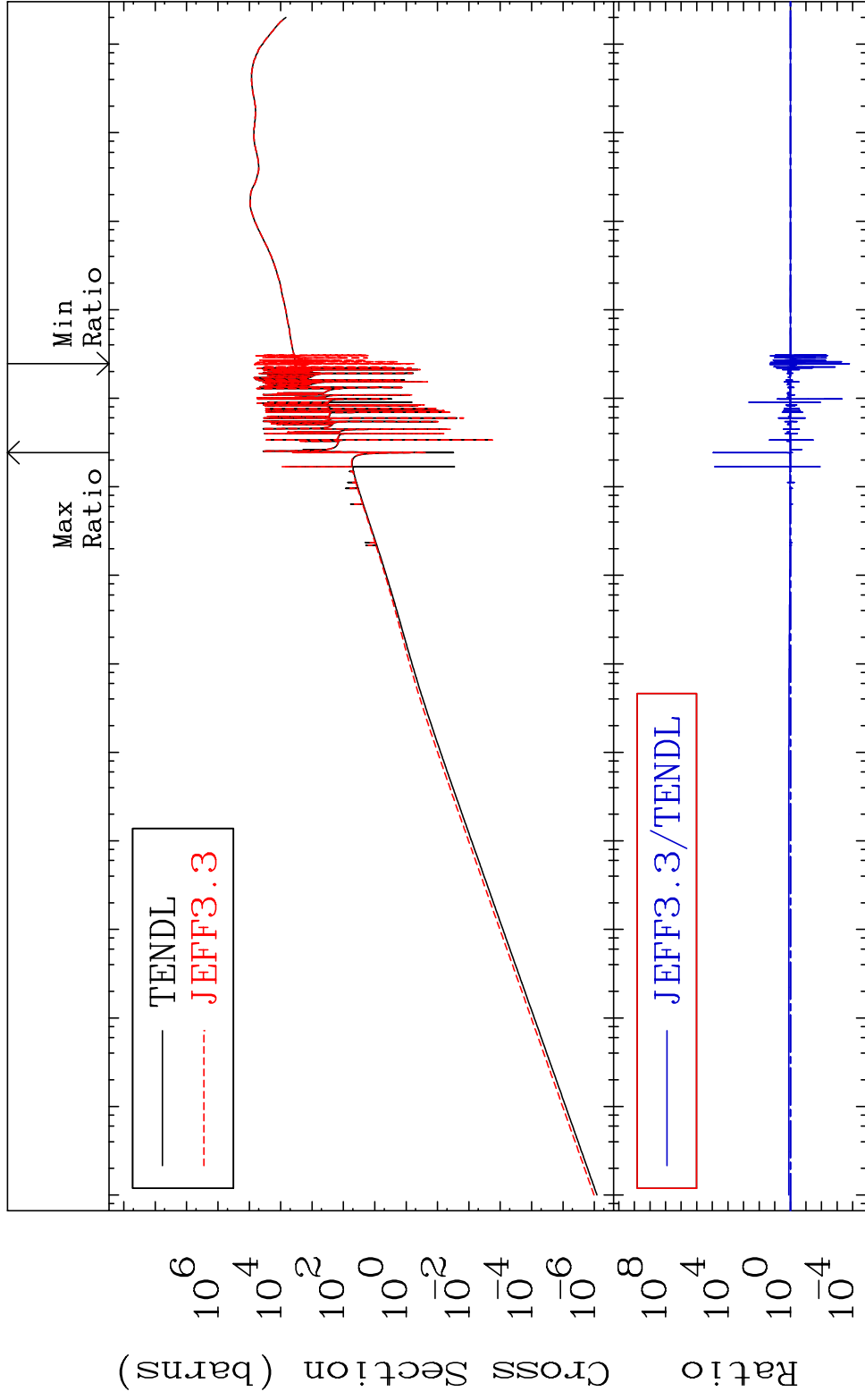


67 Incident Energy (eV) 60-Nd-142

MAT 6025

Kerma elastic
Cross Section

60-Nd-142
-99.98 To 9999. %

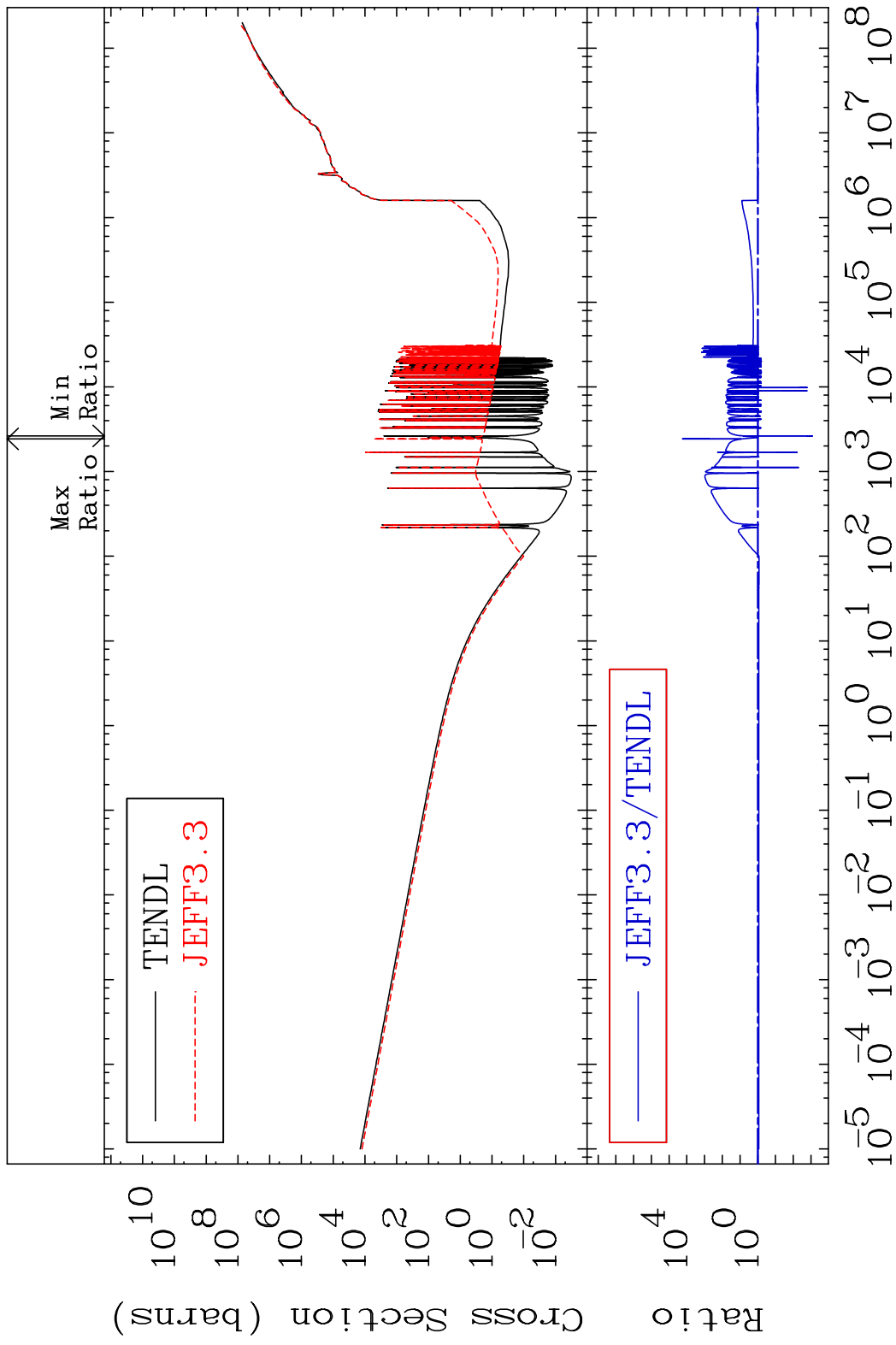


68

Incident Energy (eV)

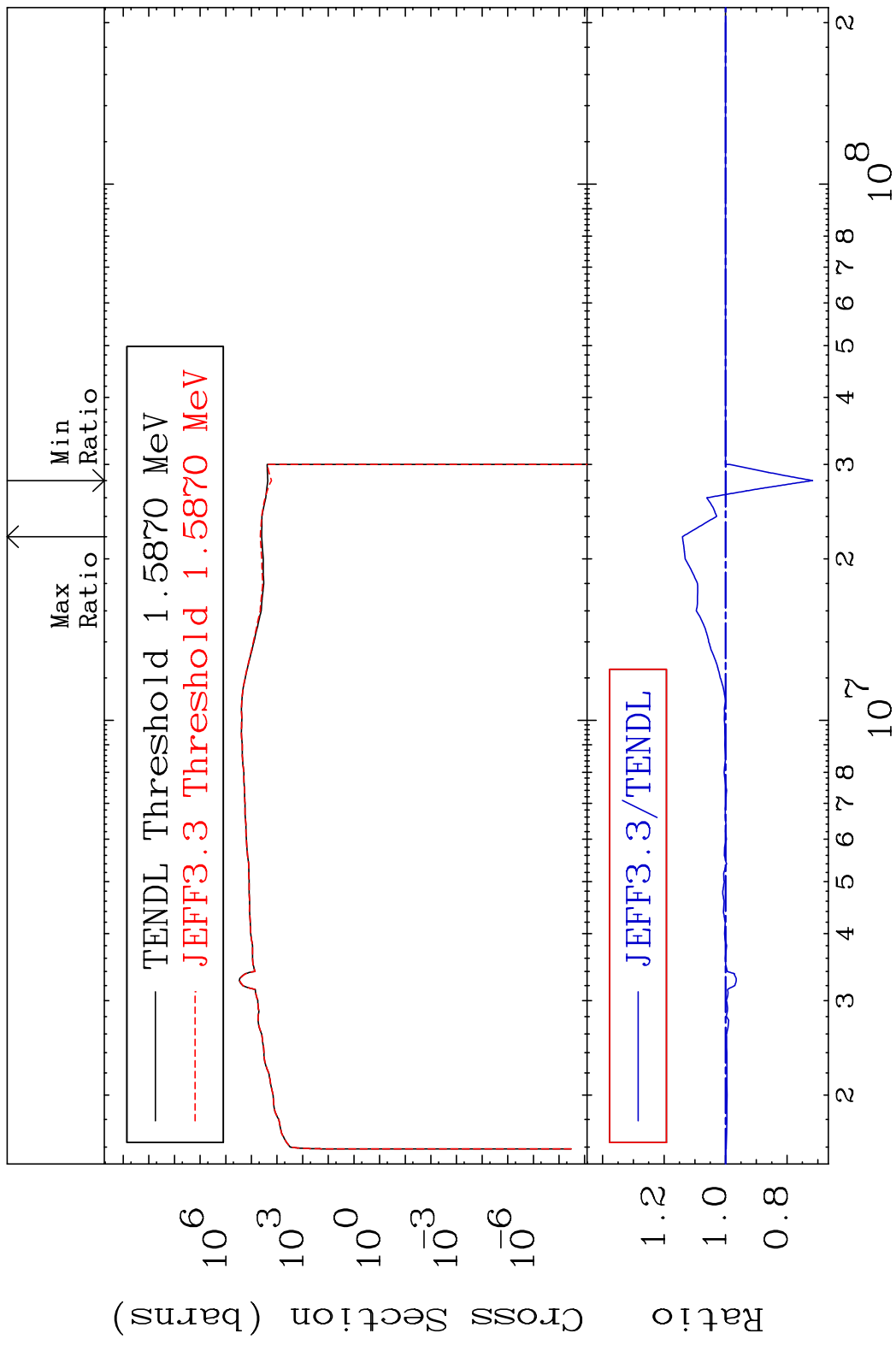
60-Nd-142

MAT 6025 Kerma non-elastic (all but mt2) 60-Nd-142
 Cross Section -99.92 To 9999. %



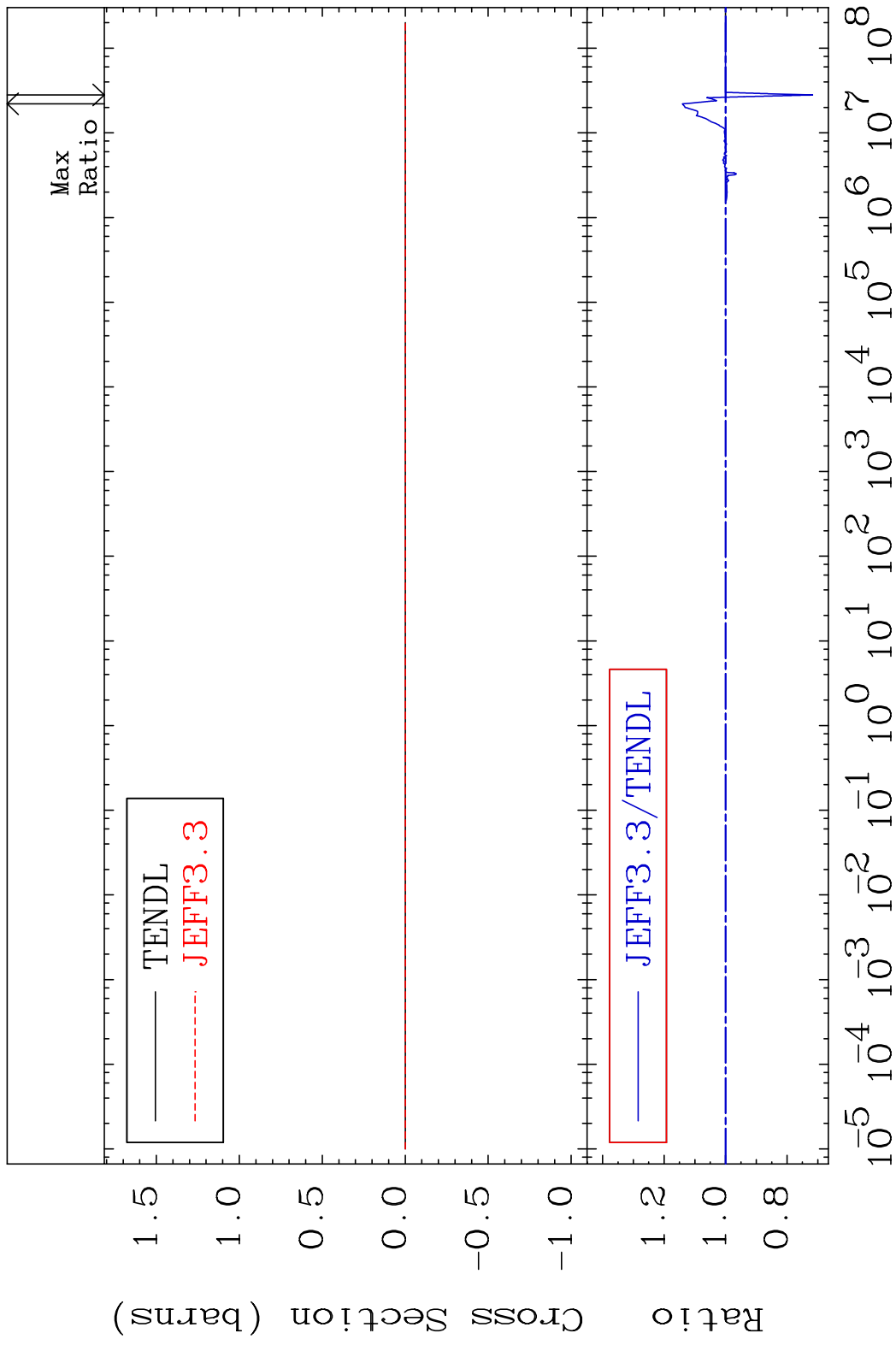
69 Incident Energy (eV) 60-Nd-142

MAT 6025 Kerma inelastic (mt51-91) 60-Nd-142
 Cross Section -28.30 To 14.06 %



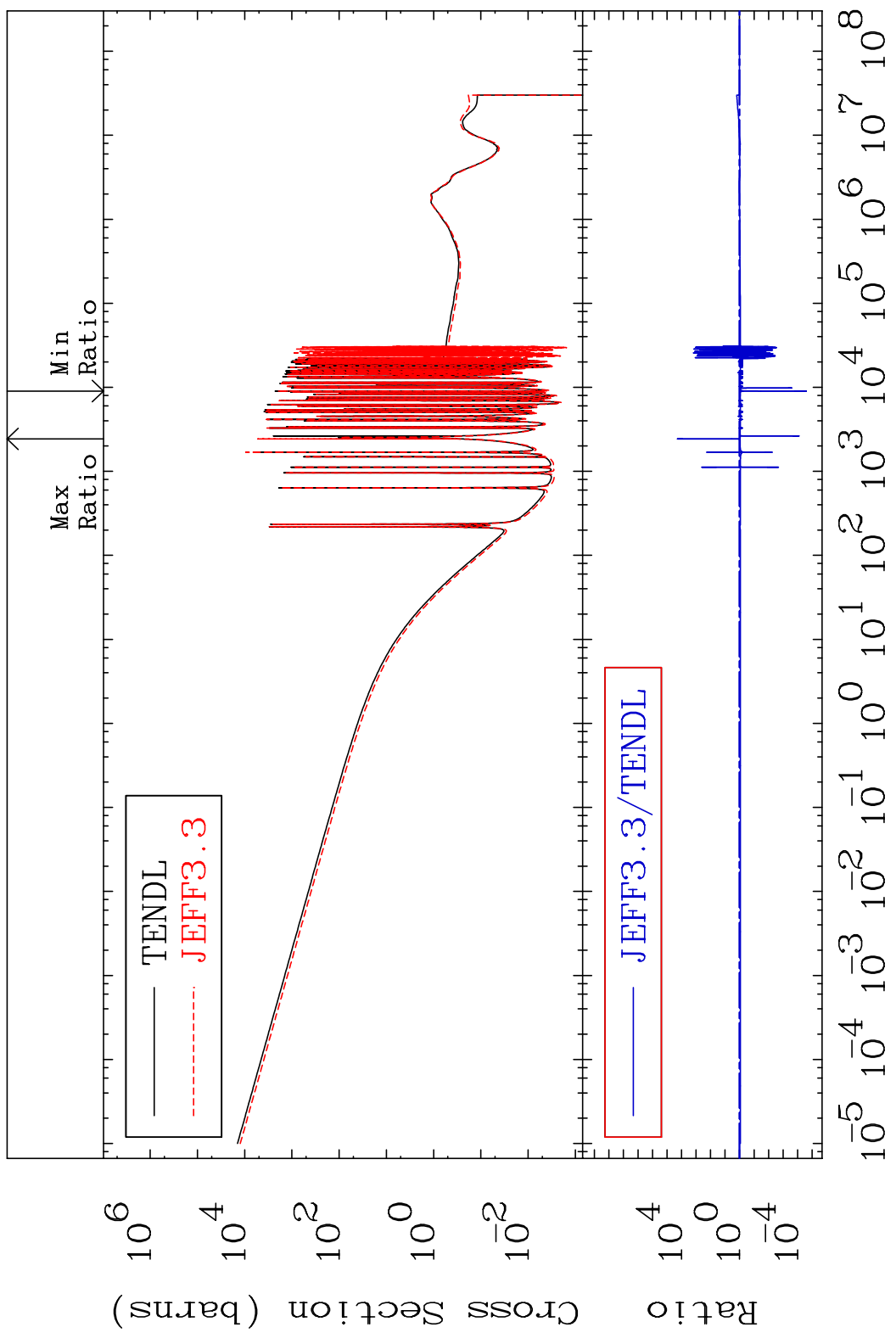
70 60-Nd-142

MAT 6025 Kerma fission (mt18 or mt19-20-21-38) $^{60}\text{Nd-142}$
 Cross Section -28.30 To 14.06 %



MAT 6025

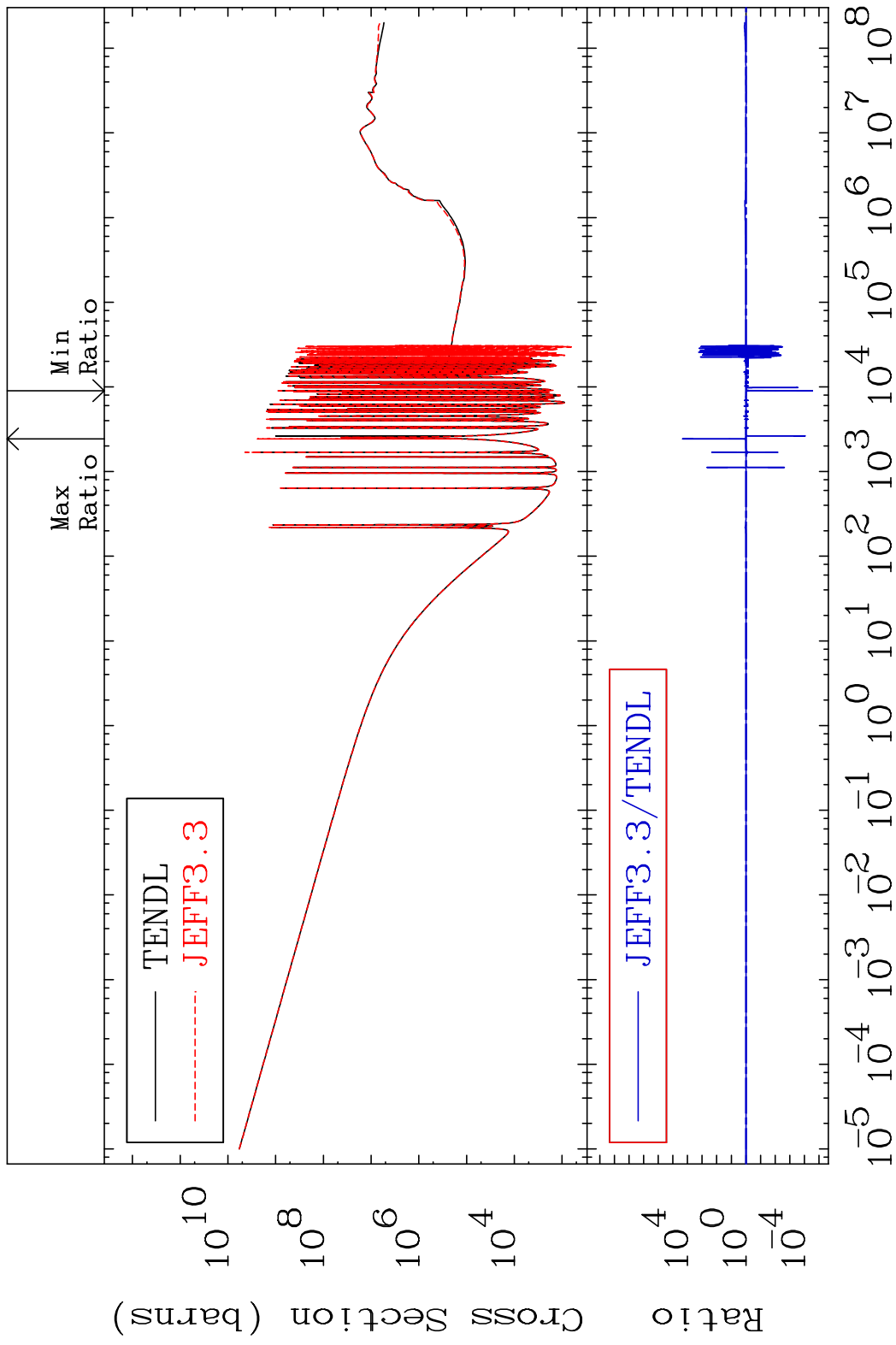
Kerma capture (mt102) 60-Nd-142
Cross Section -100.0 To 9999. %



72

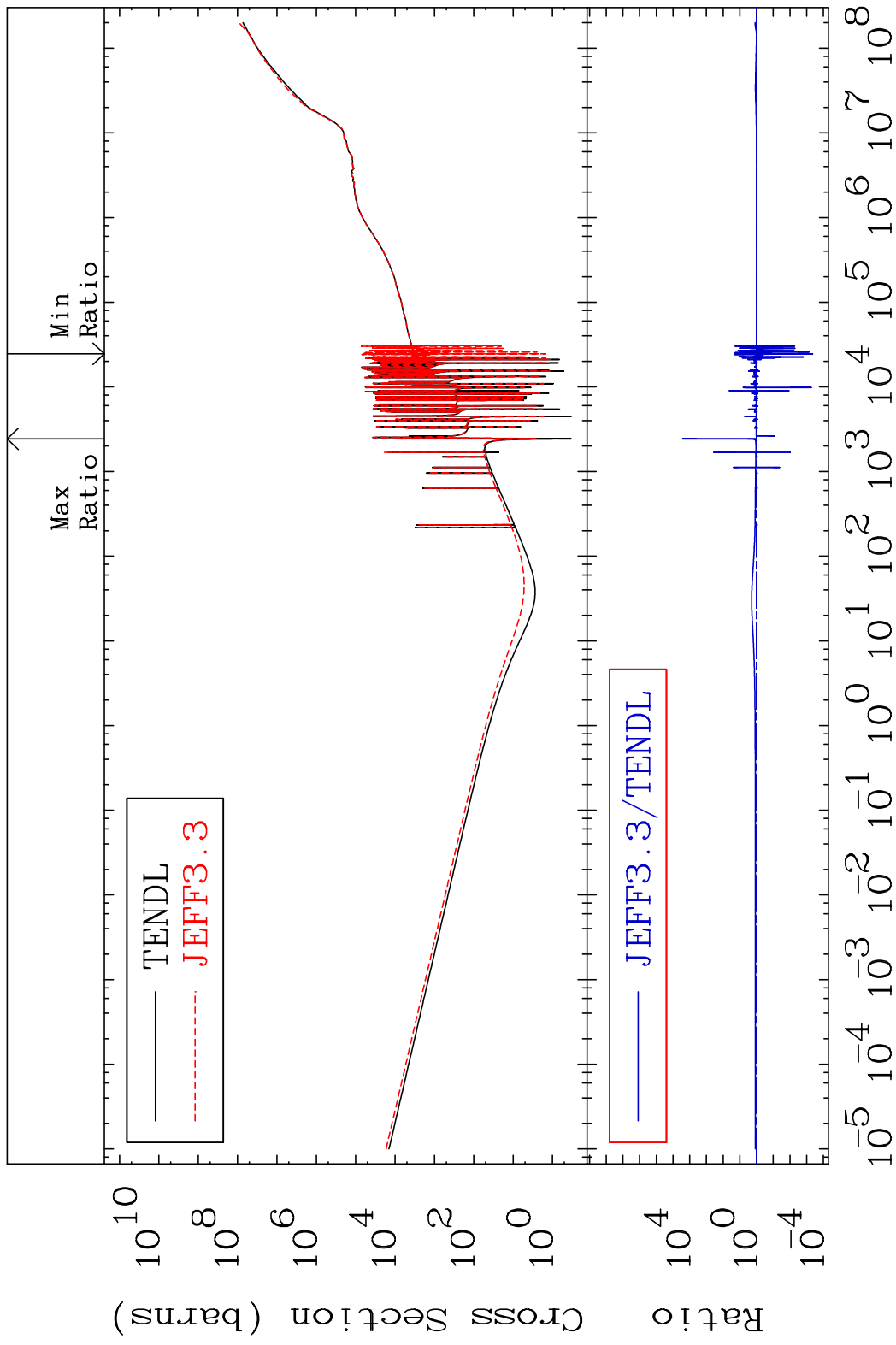
Incident Energy (eV) 60-Nd-142

MAT 6025 Total photon (eV-barns) 60-Nd-142
 Cross Section -100.0 To 9999. %

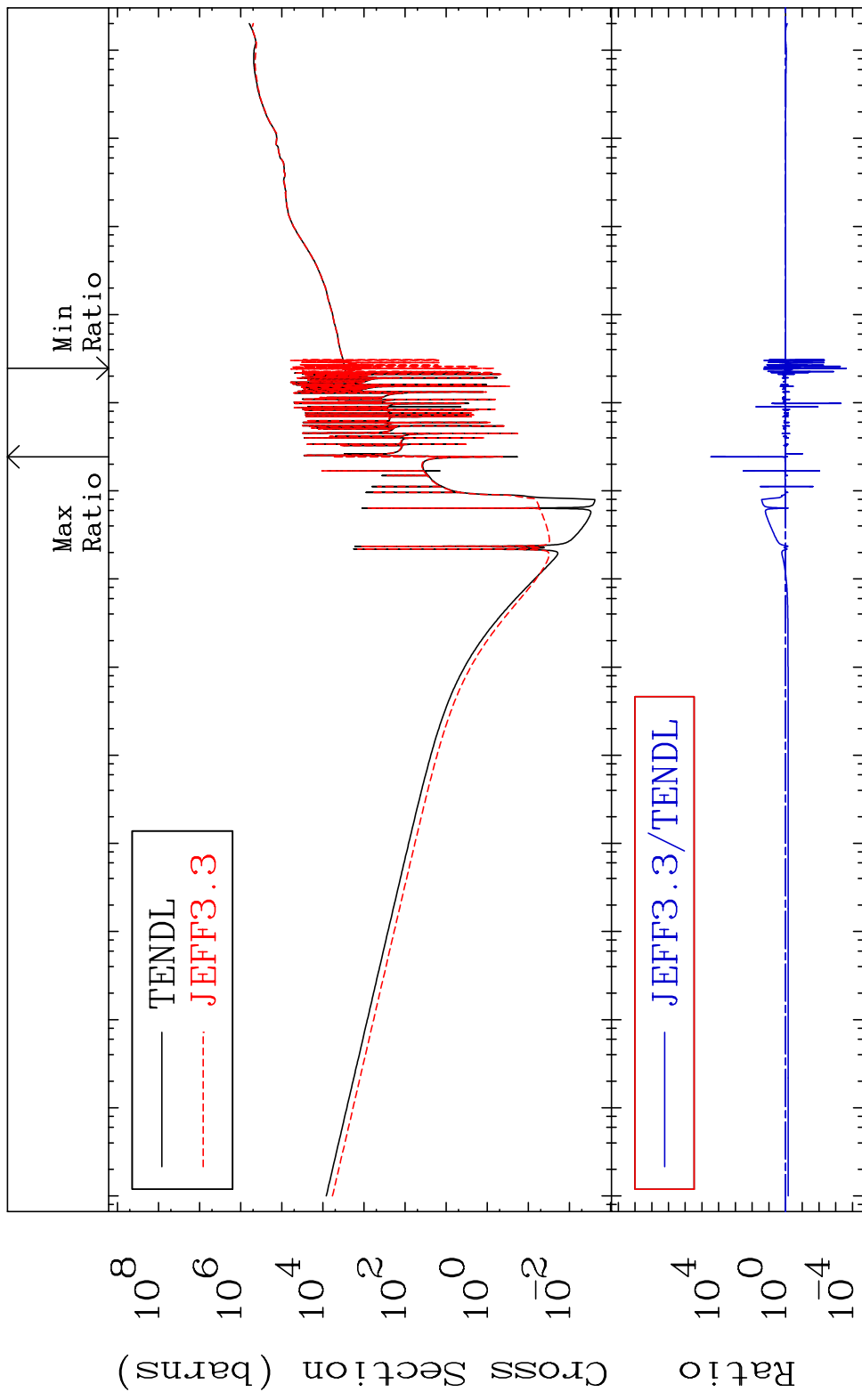


73 Incident Energy (eV) 60-Nd-142

MAT 6025 Total kinematic kerma (high limit) 60-Nd-142
 Cross Section -99.96 To 9999. %



MAT 6025 Dpa total (eV-barns) 60-Nd-142
 Cross Section -99.98 To 9999. %



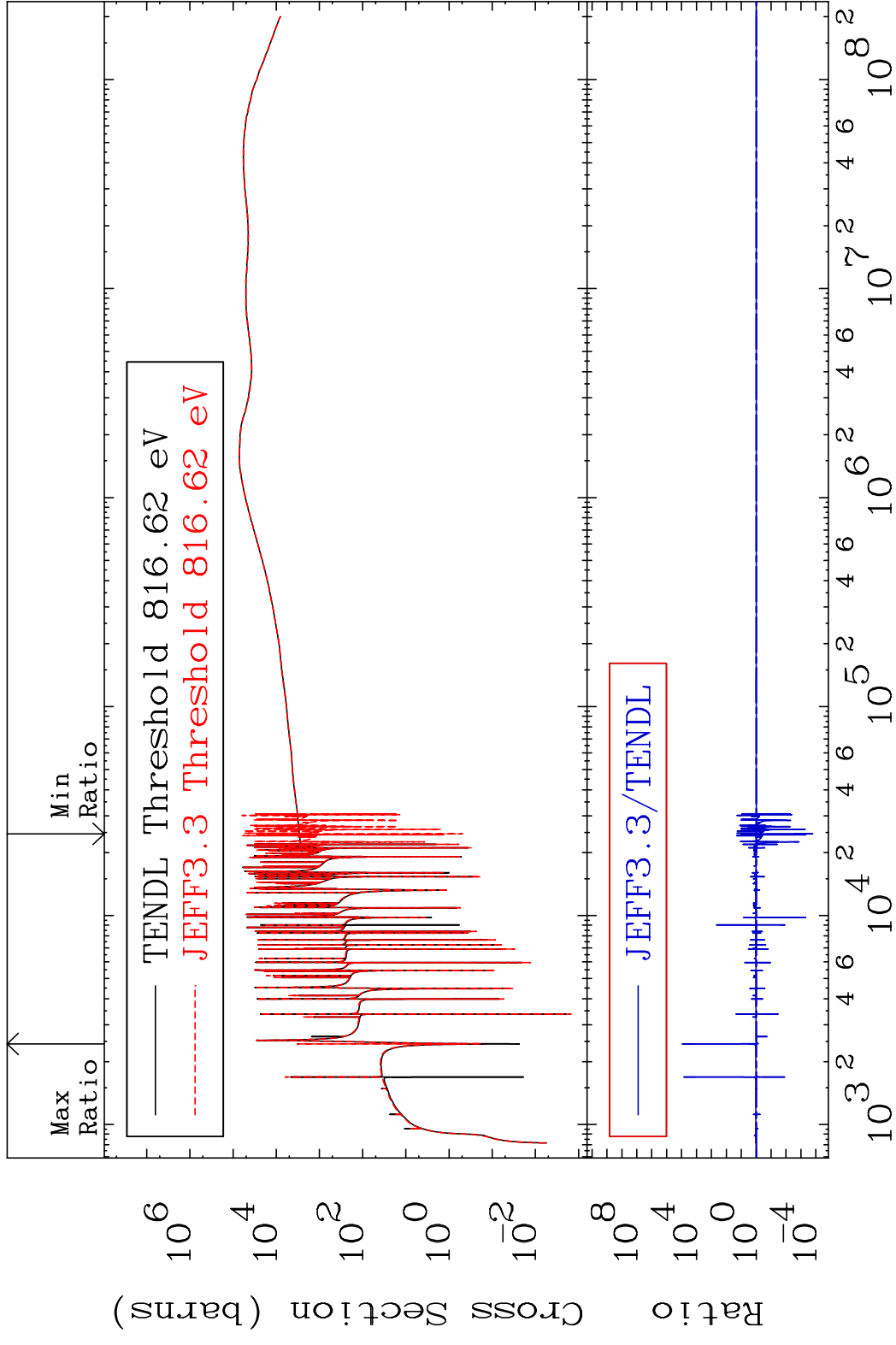
75 Incident Energy (eV) 60-Nd-142

MAT 6025

Dpa elastic (mt2)

60-Nd-142

Cross Section -99.98 To 9999. %

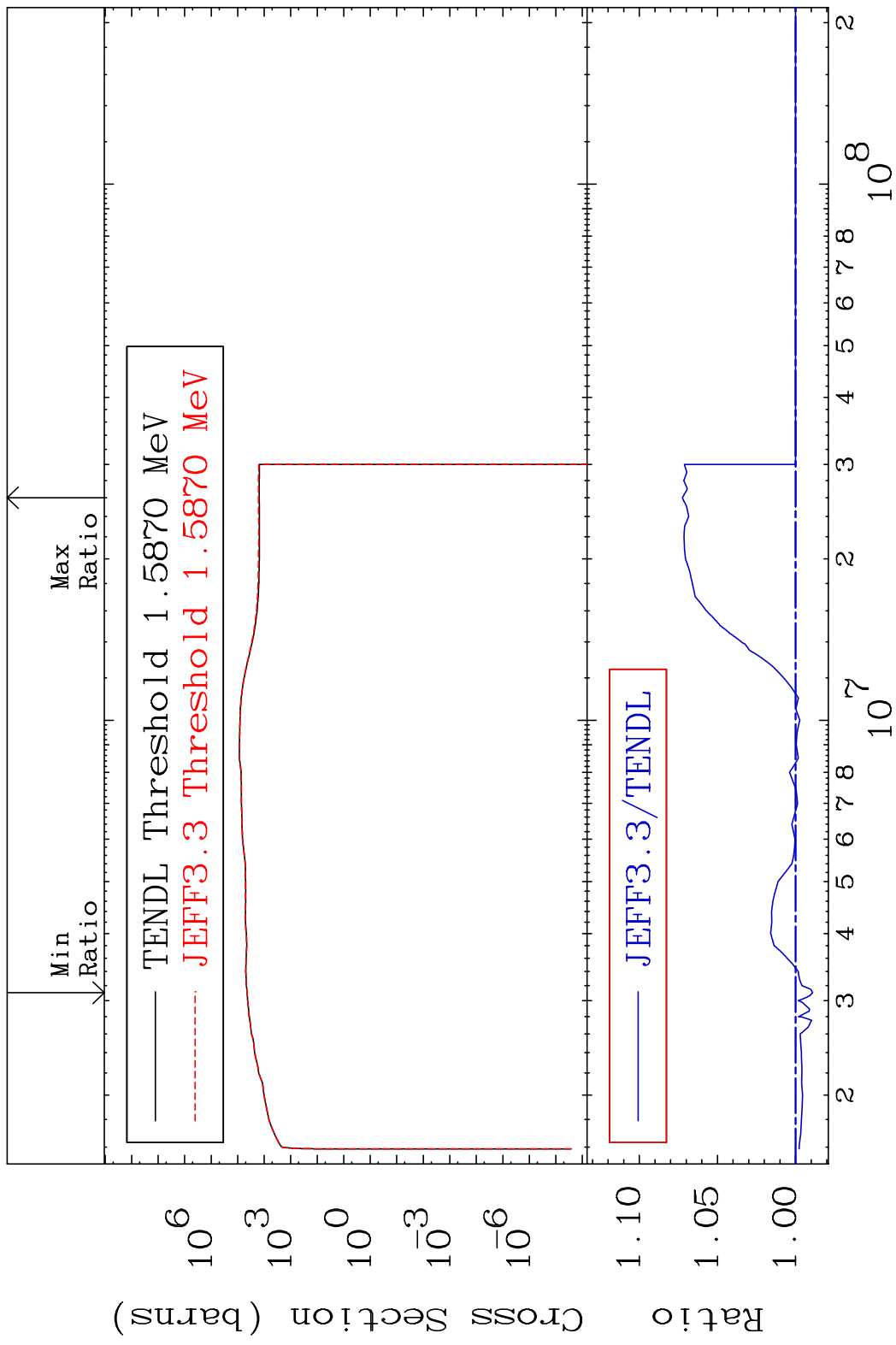


76

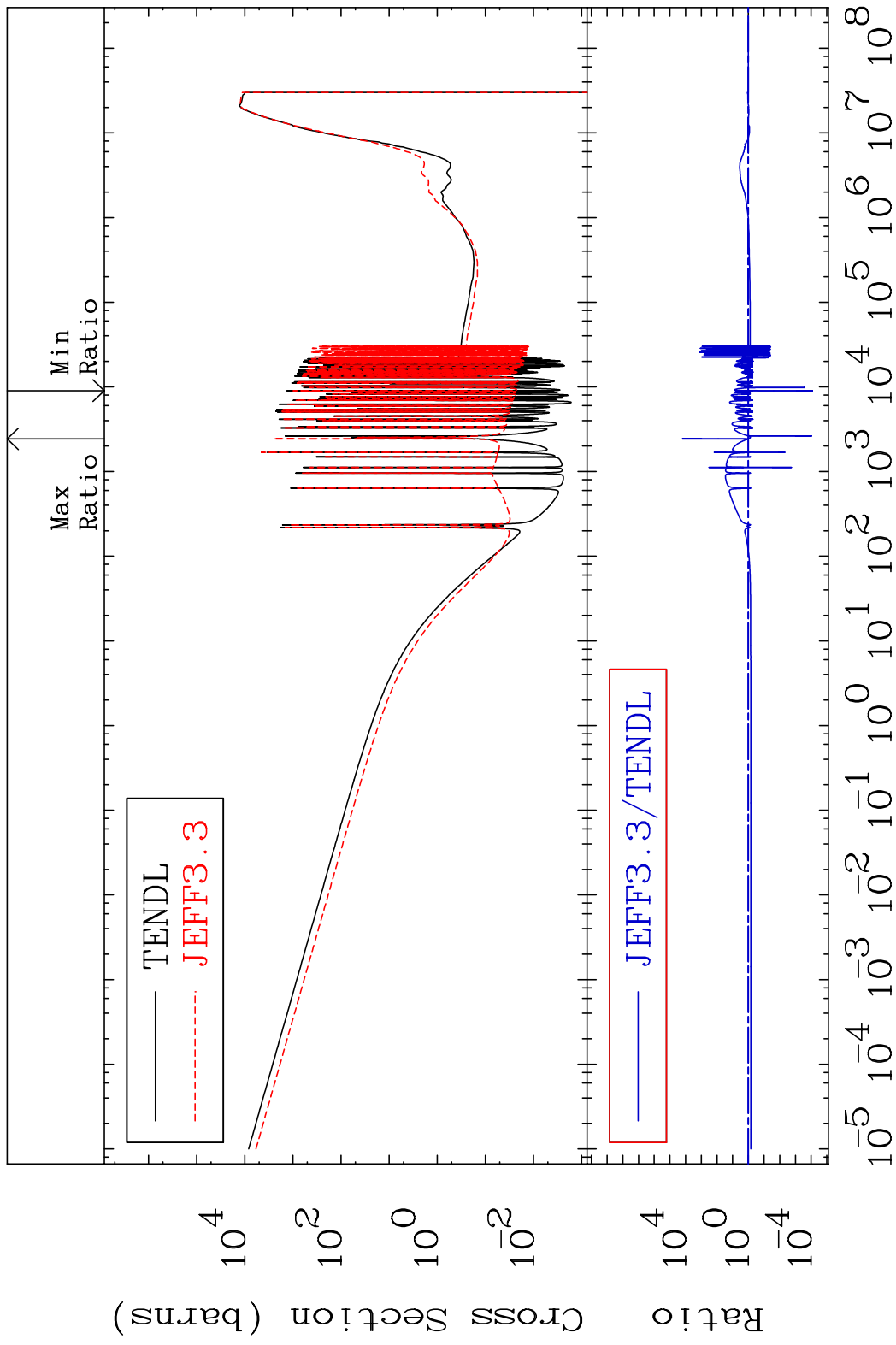
Incident Energy (eV)

60-Nd-142

MAT 6025 Dpa inelastic (mt51-91) 60-Nd-142
 Cross Section -1.089 To 7.249 %

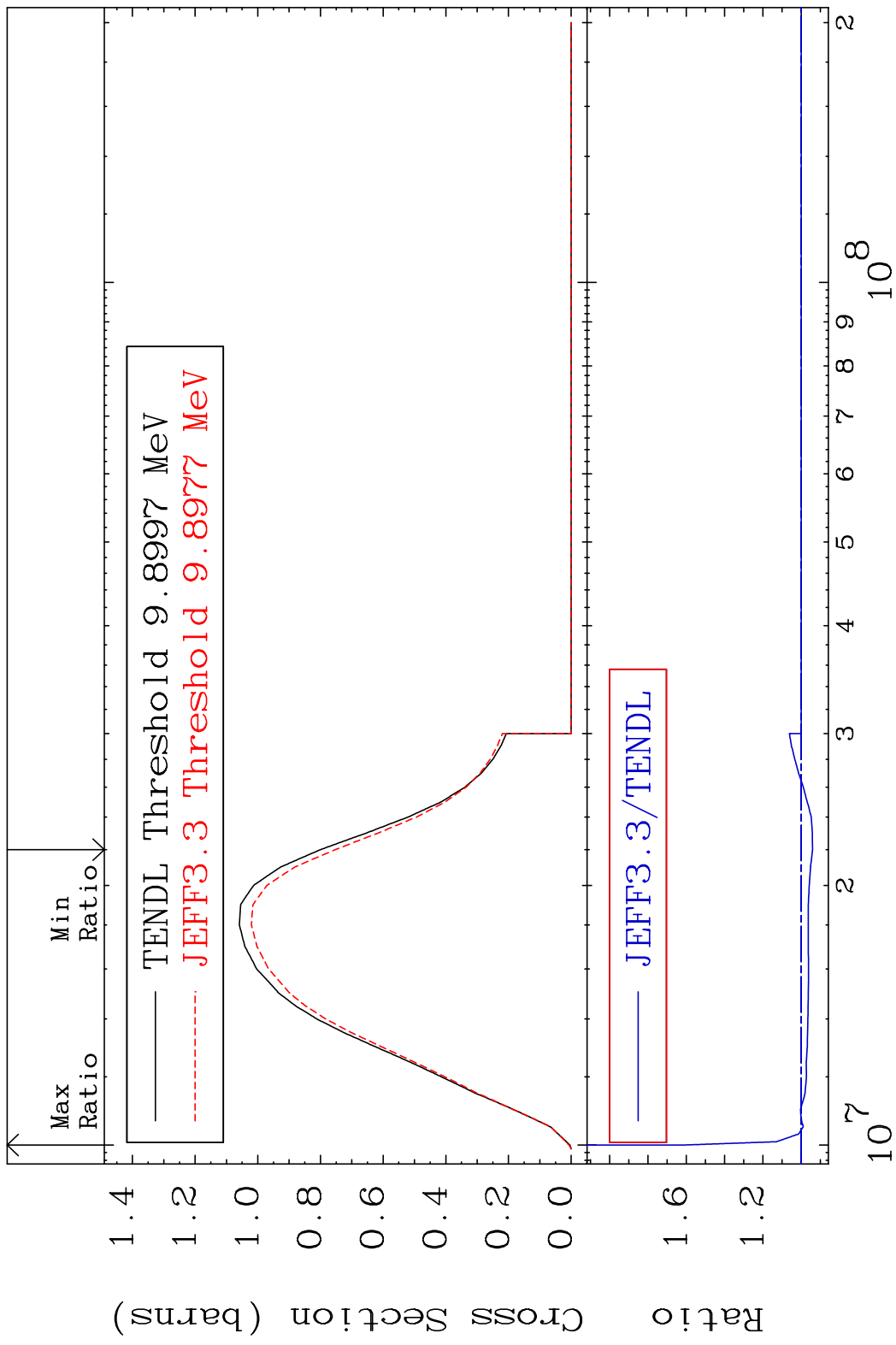


MAT 6025 Dpa disappearance (mt102 -120) 60-Nd-142
 Cross Section -99.99 To 9999. %



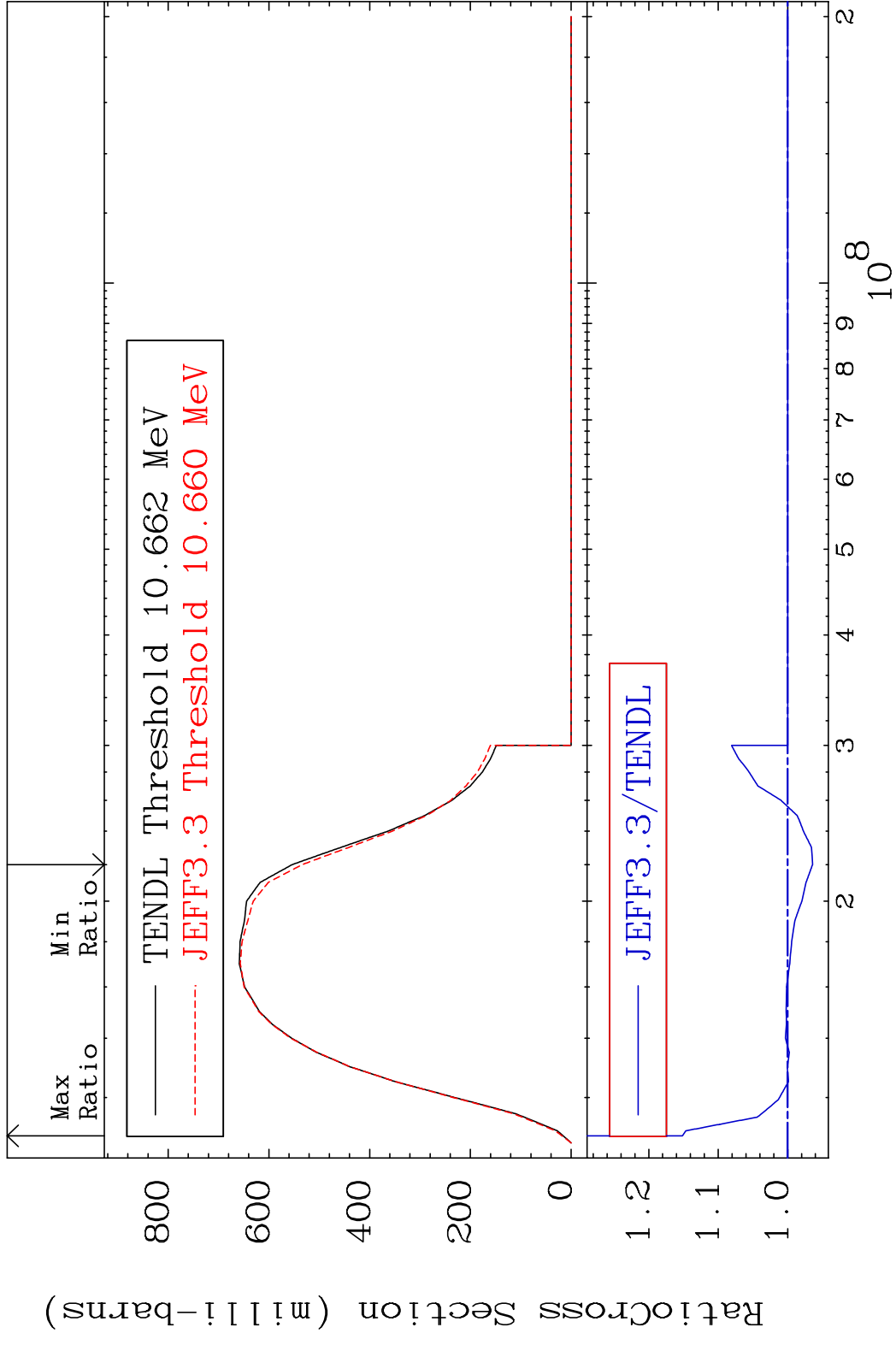
78 Incident Energy (eV) 60-Nd-142

MAT 6025 (n,2n):60-Nd-141g 60-Nd-142
 Radionuclide Production Cross Section 62.06 %

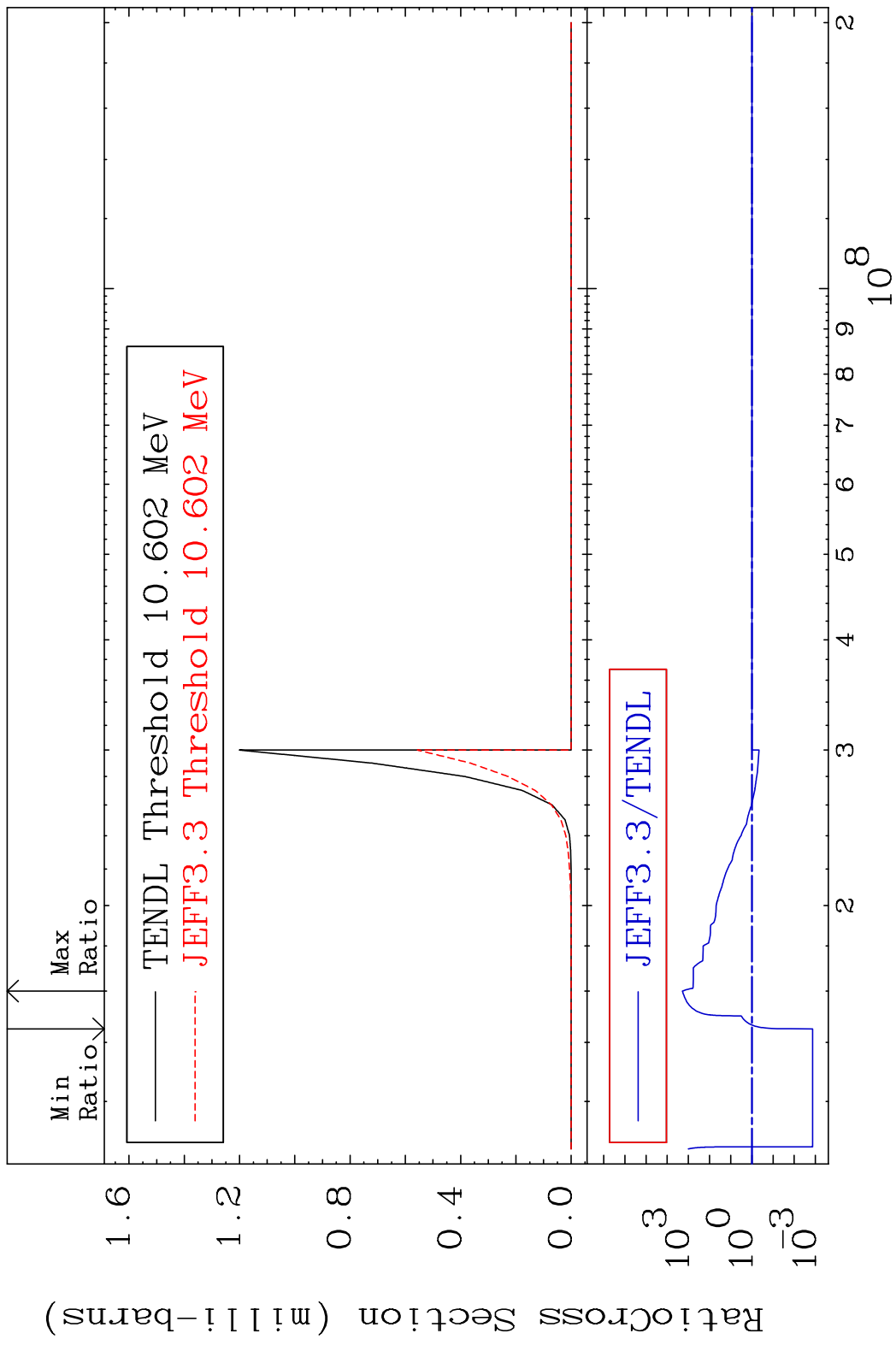


79 60-Nd-142

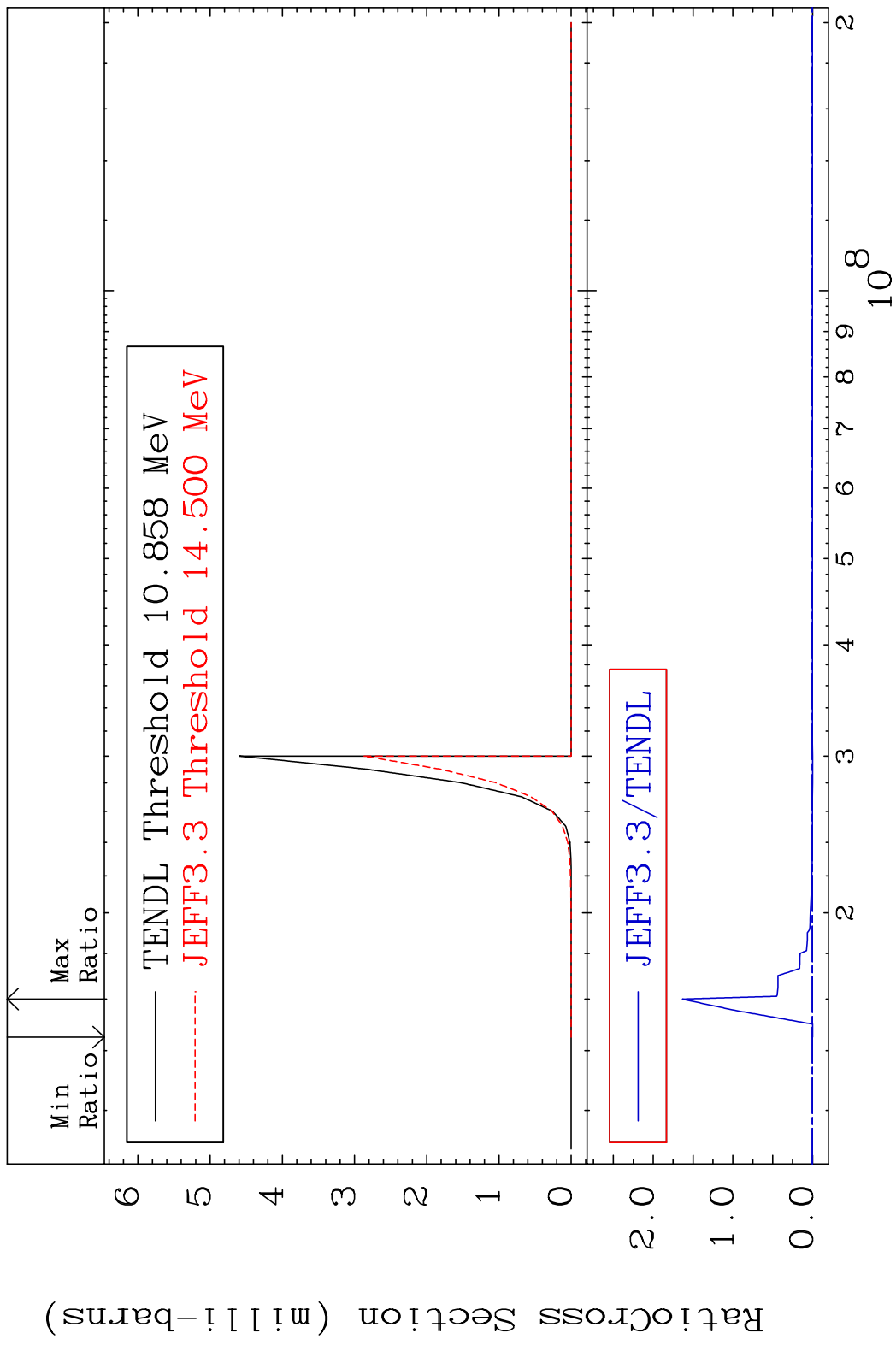
MAT 6025 (n,2n):60-Nd-141m2 60-Nd-142
 Radionuclide Production Cross Section 15.16 %

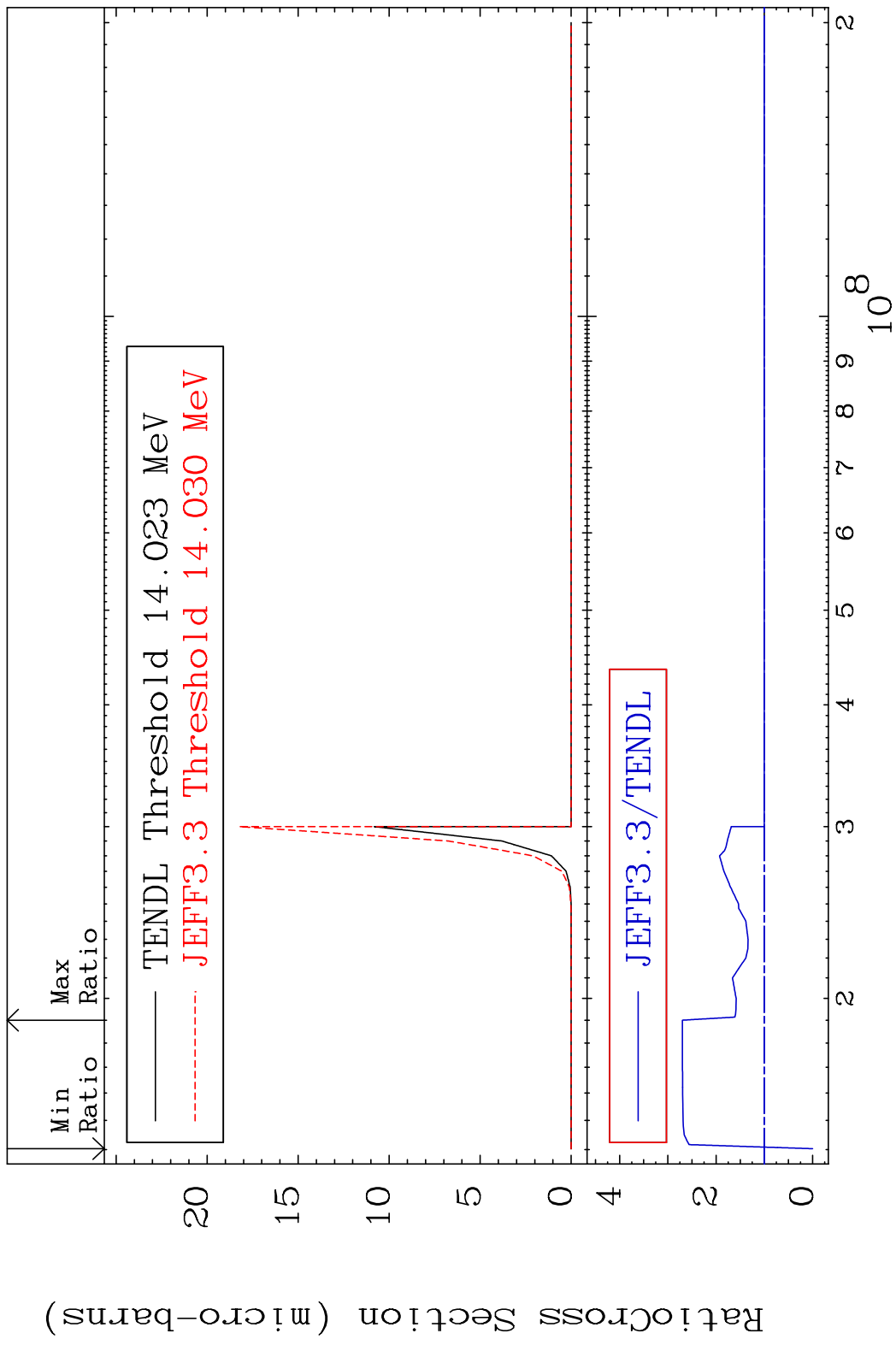


80 60-Nd-142

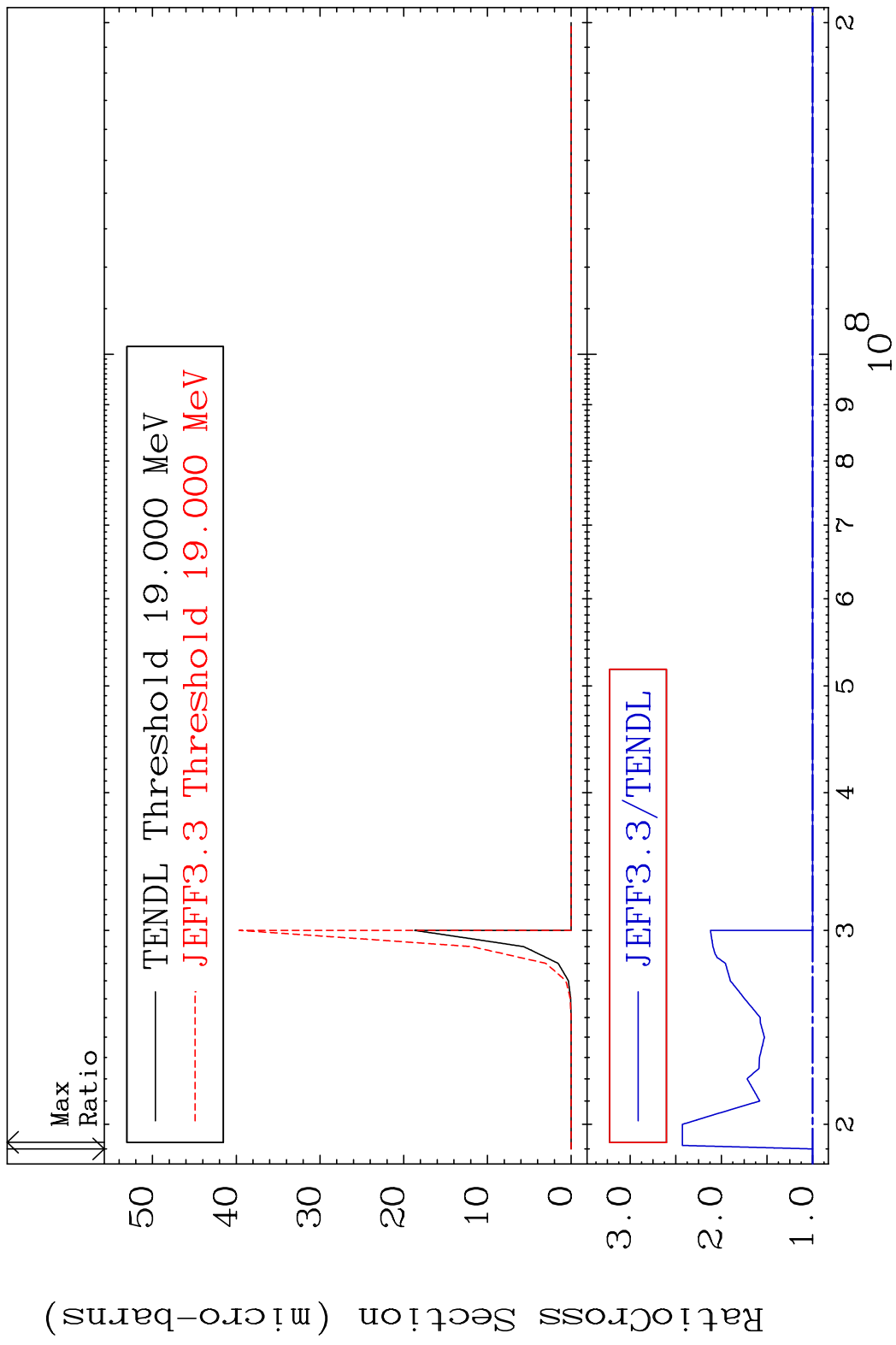


MAT 6025 (n,2n) α :58-Ce-137m2 60-Nd-142
 Radionuclide Production Cross Section to 9999. %

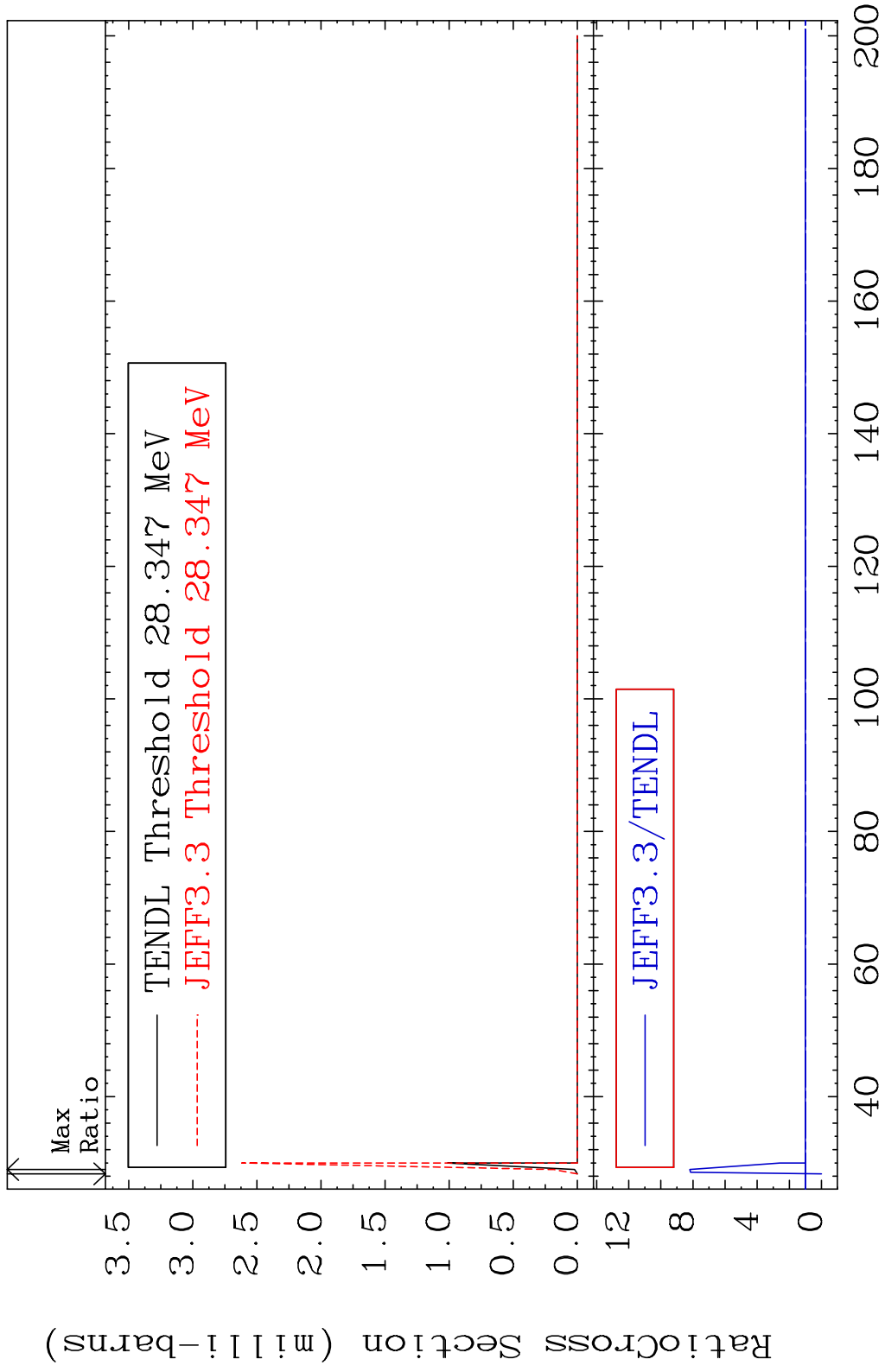




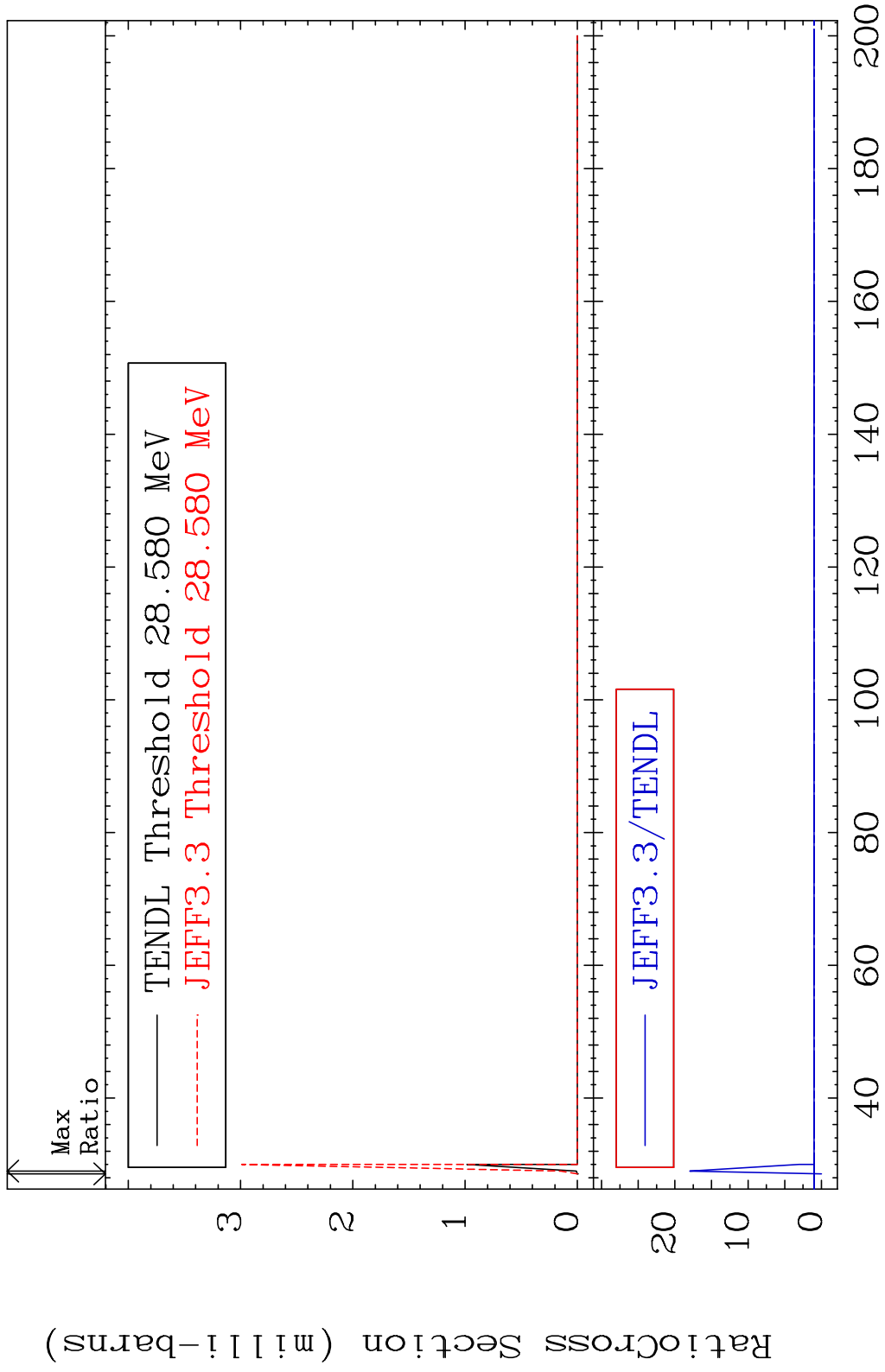
MAT 6025 (n, n') He-3:58-Ce-139m2 60-Nd-142
 Radionuclide Production Cross Section 142.8 %



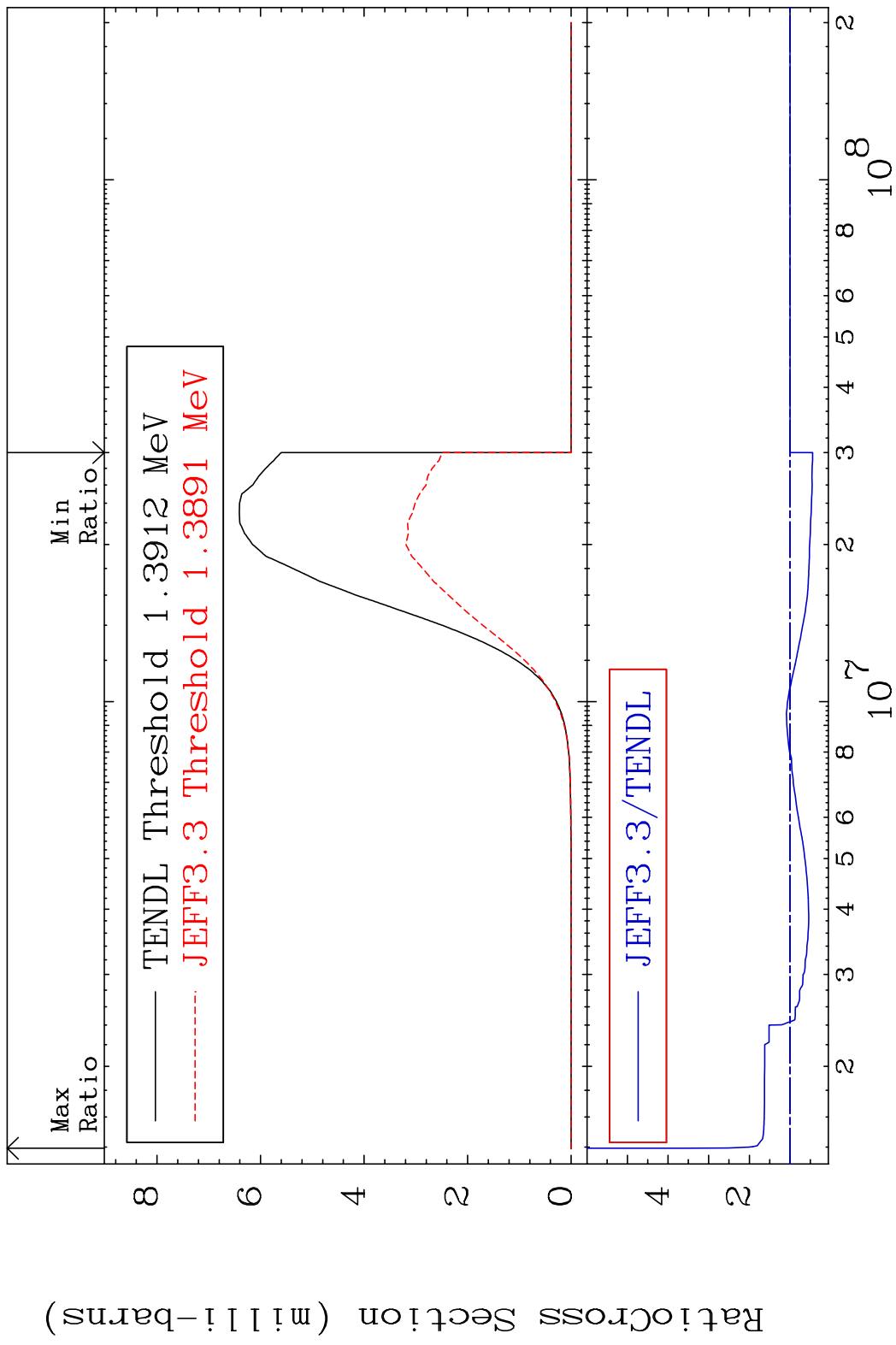
MAT 6025 (n,4n):60-Nd-139g 60-Nd-142
 Radionuclide Production Cross Section 180.01 dth 719.9 %

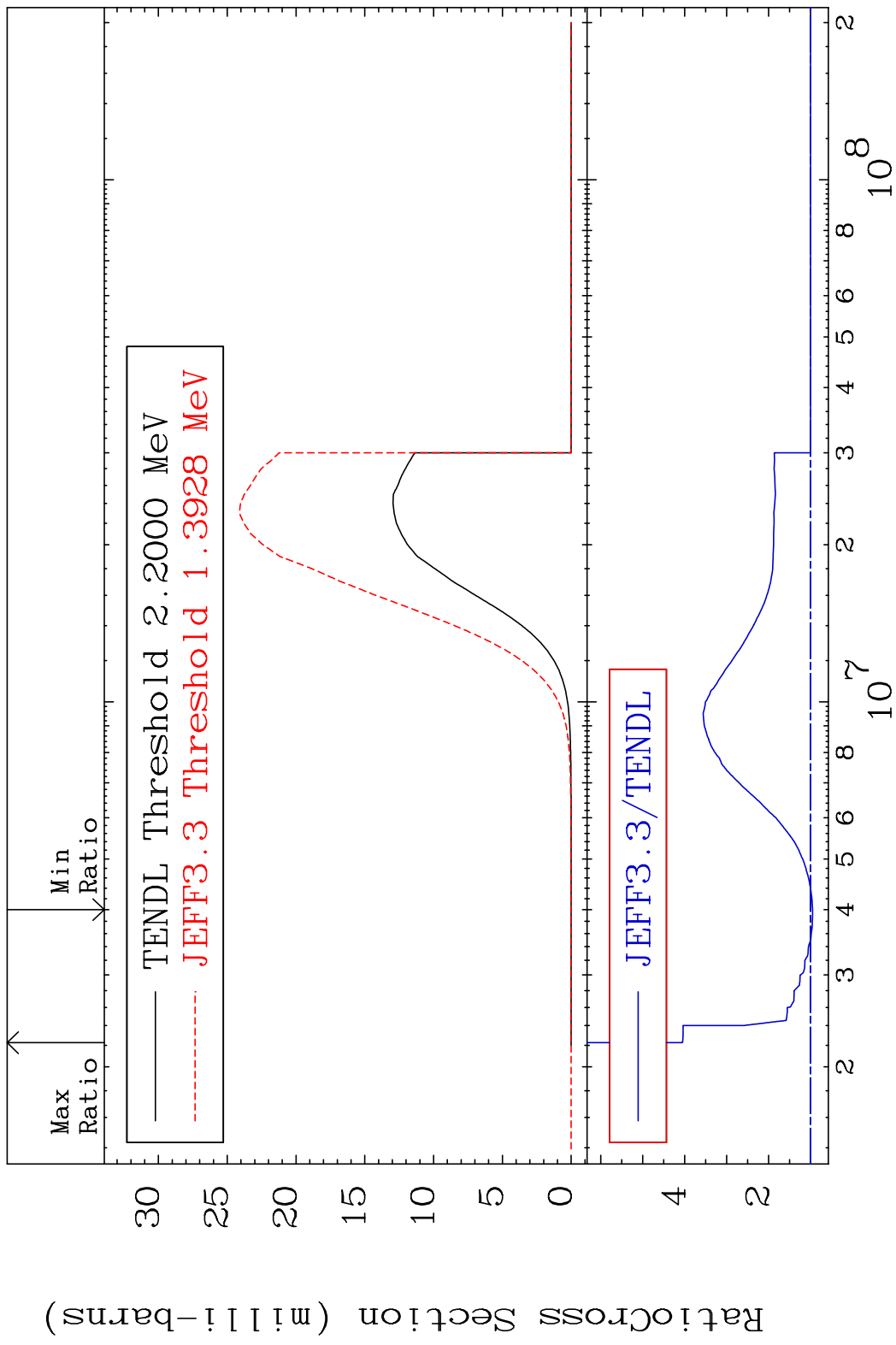


MAT 6025 (n, 4n):60-Nd-139m2 60-Nd-142
 Radionuclide Production Cross Section 180.01 dth 1697. %

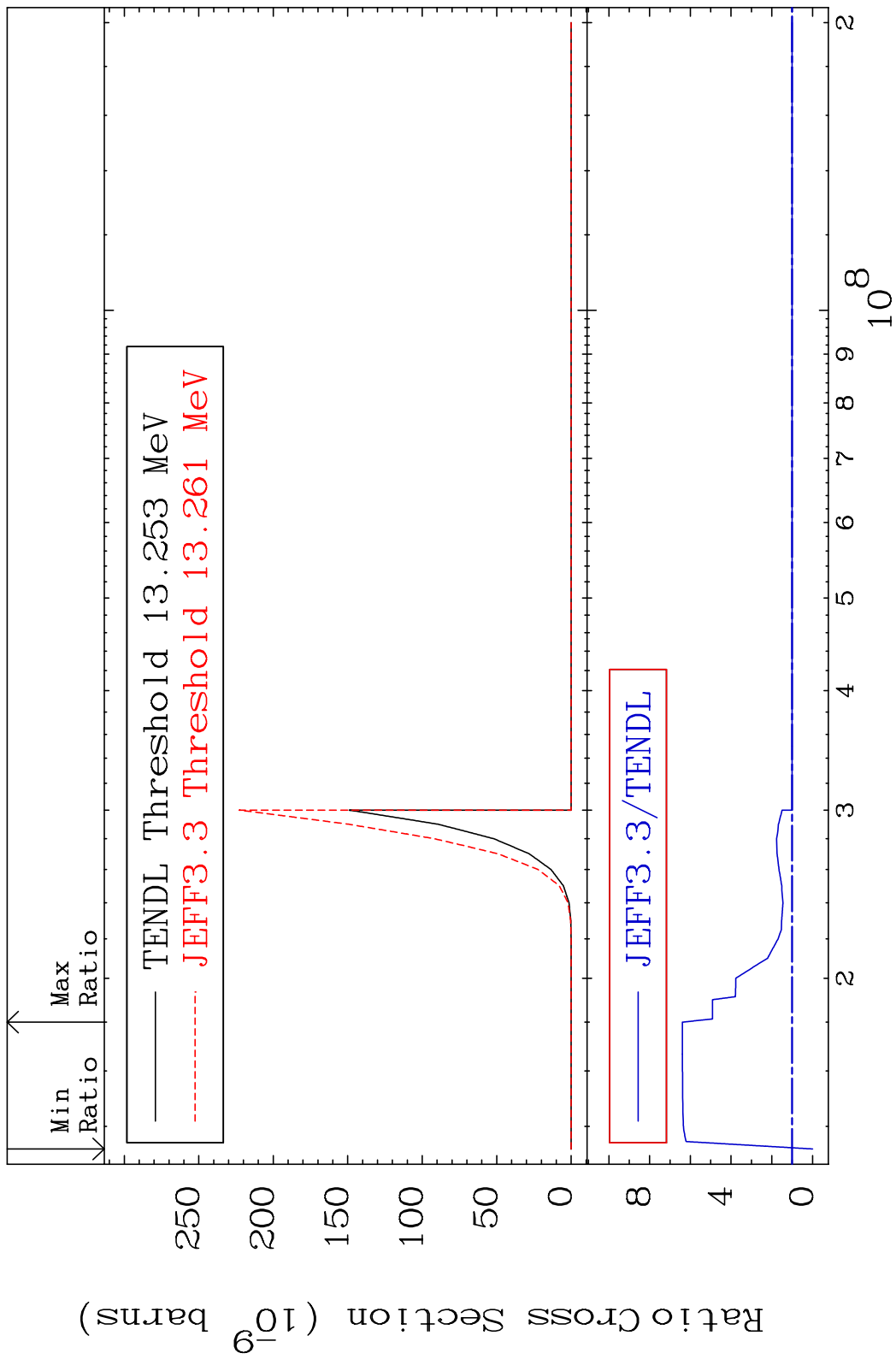


MAT 6025 (n,p):59-Pr-142g 60-Nd-142
 Radionuclide Production Cross Section 55e57 d10 264.8 %

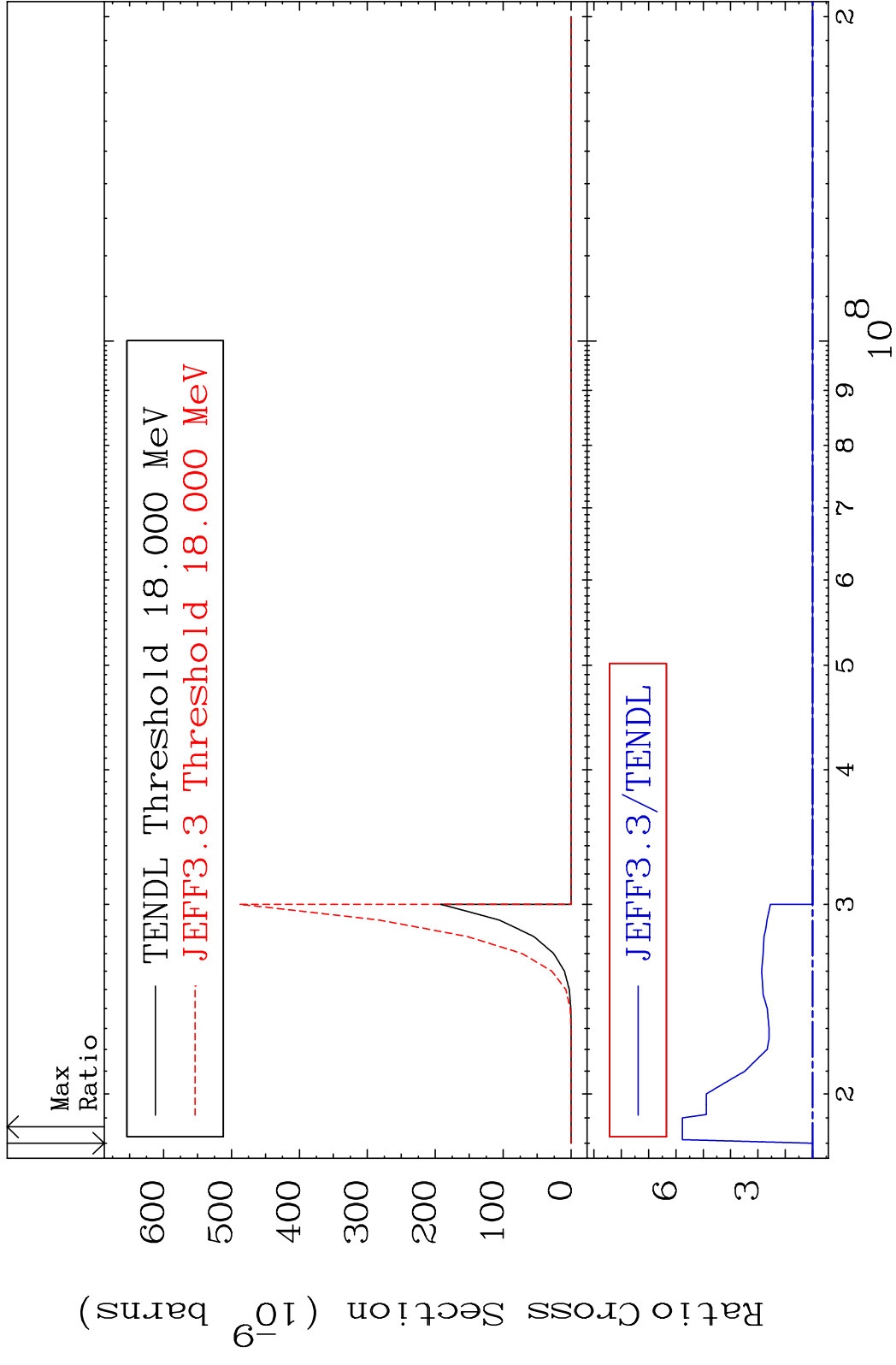




MAT 6025 (n,p) t:58-Ce-139g 60-Nd-142
 Radionuclide Production Cross Section 180.01 dth 539.2 %



MAT 6025 (n, p) t:58-Ce-139m2 60-Nd-142
 Radionuclide Production Cross Section 476.6 %



90 Incident Energy (eV) 60-Nd-142