

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

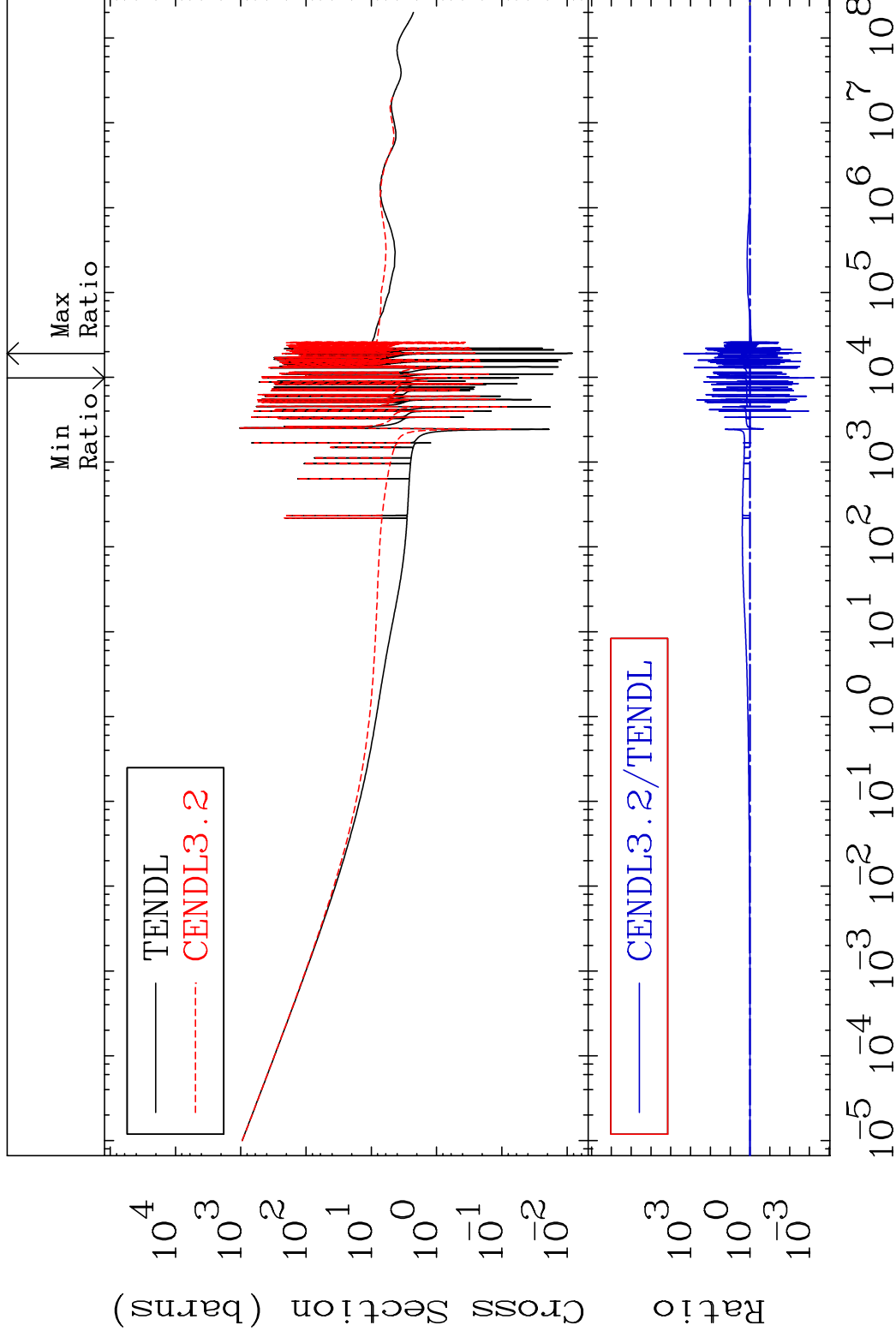
MAT 6025

Total

60-Nd-142

Cross Section

-99.94 To 9999. %



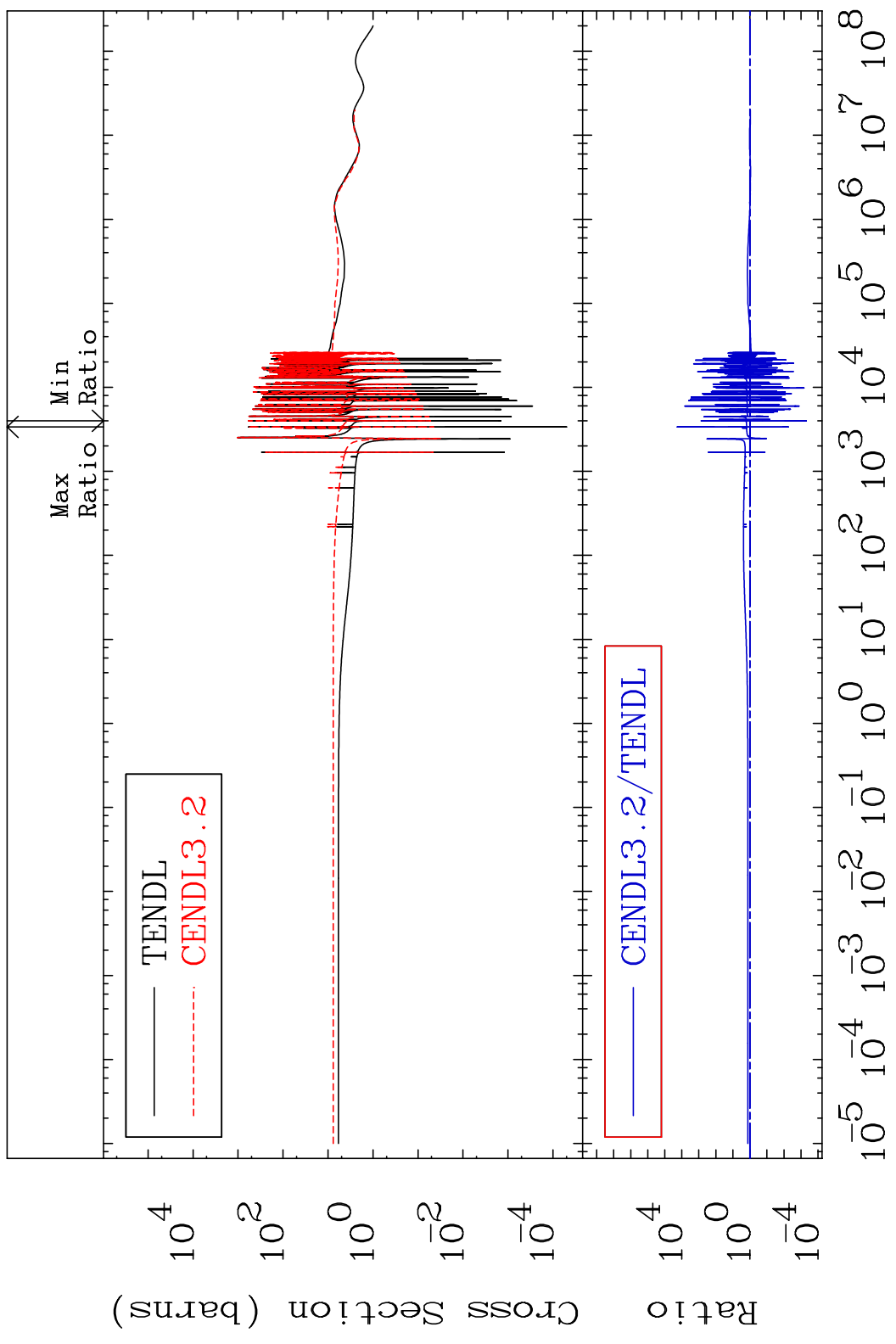
1

Incident Energy (eV)

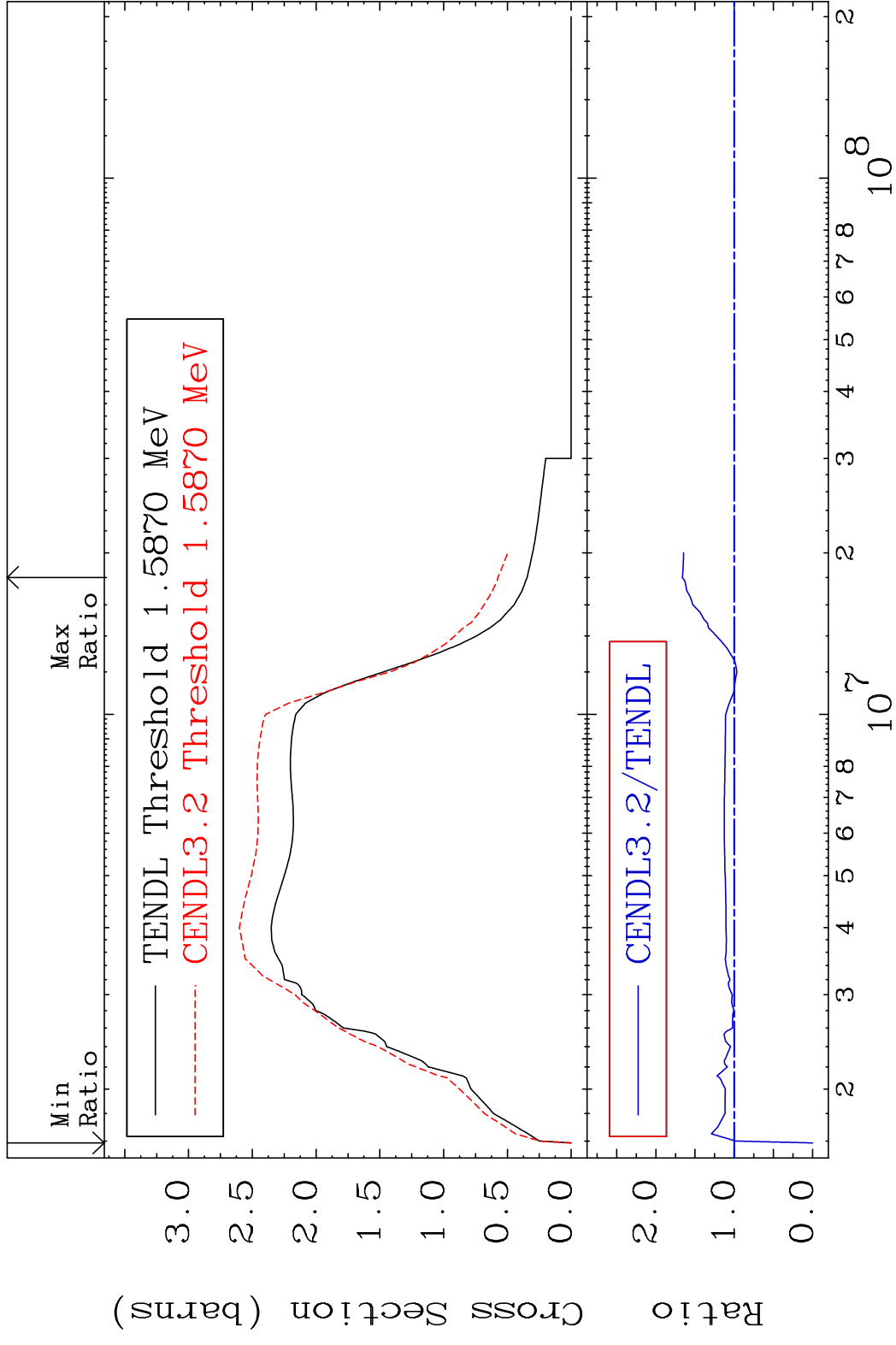
60-Nd-142

MAT 6025

Elastic Cross Section
60-Nd-142
-99.95 To 9999. %



MAT 6025 Inelastic 60-Nd-142
 Cross Section -100.0 To 66.19 %



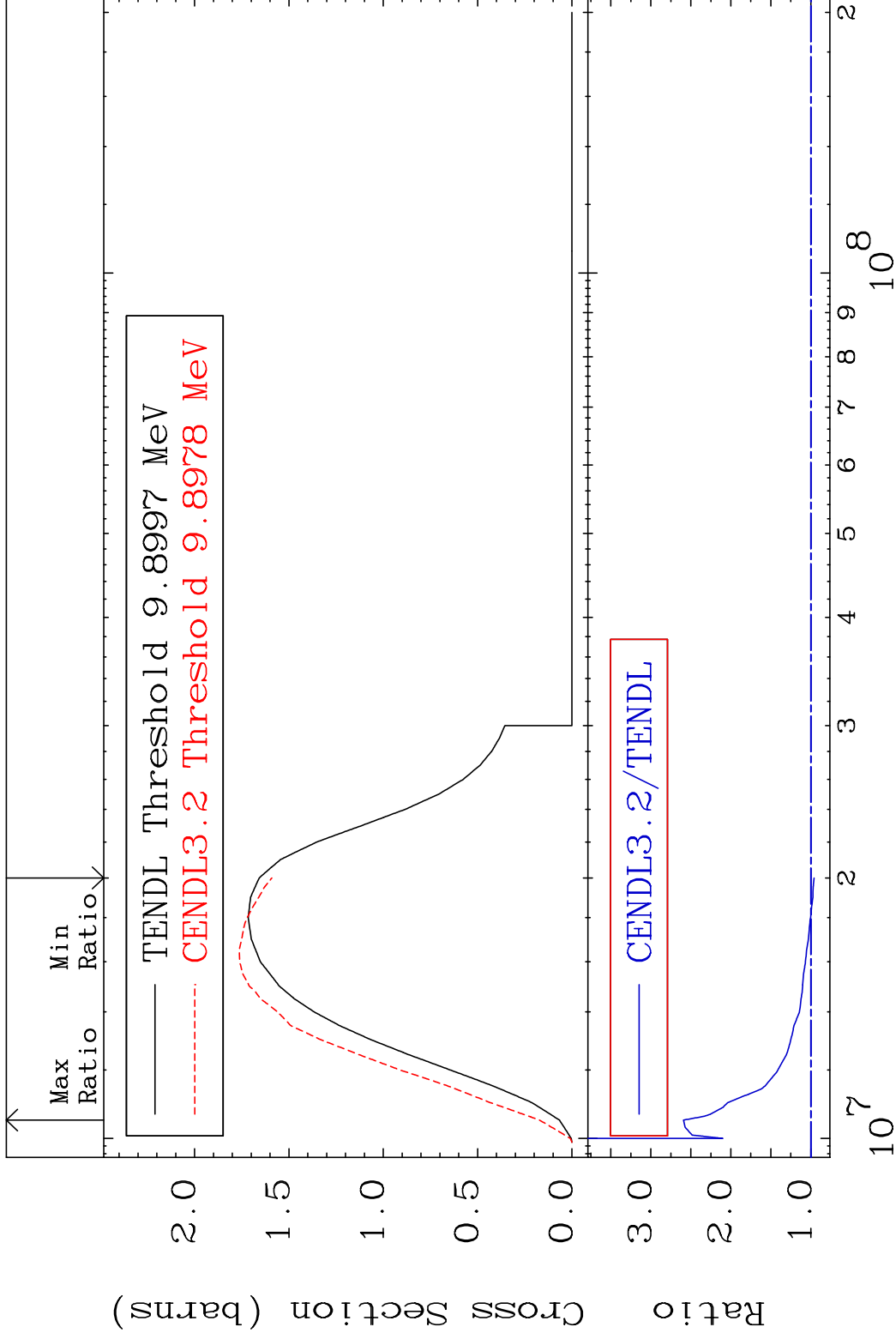
3 Incident Energy (eV) 60-Nd-142

MAT 6025

(n,2n)

60-Nd-142

Cross Section -4.042 To 159.2 %



Incident Energy (eV)

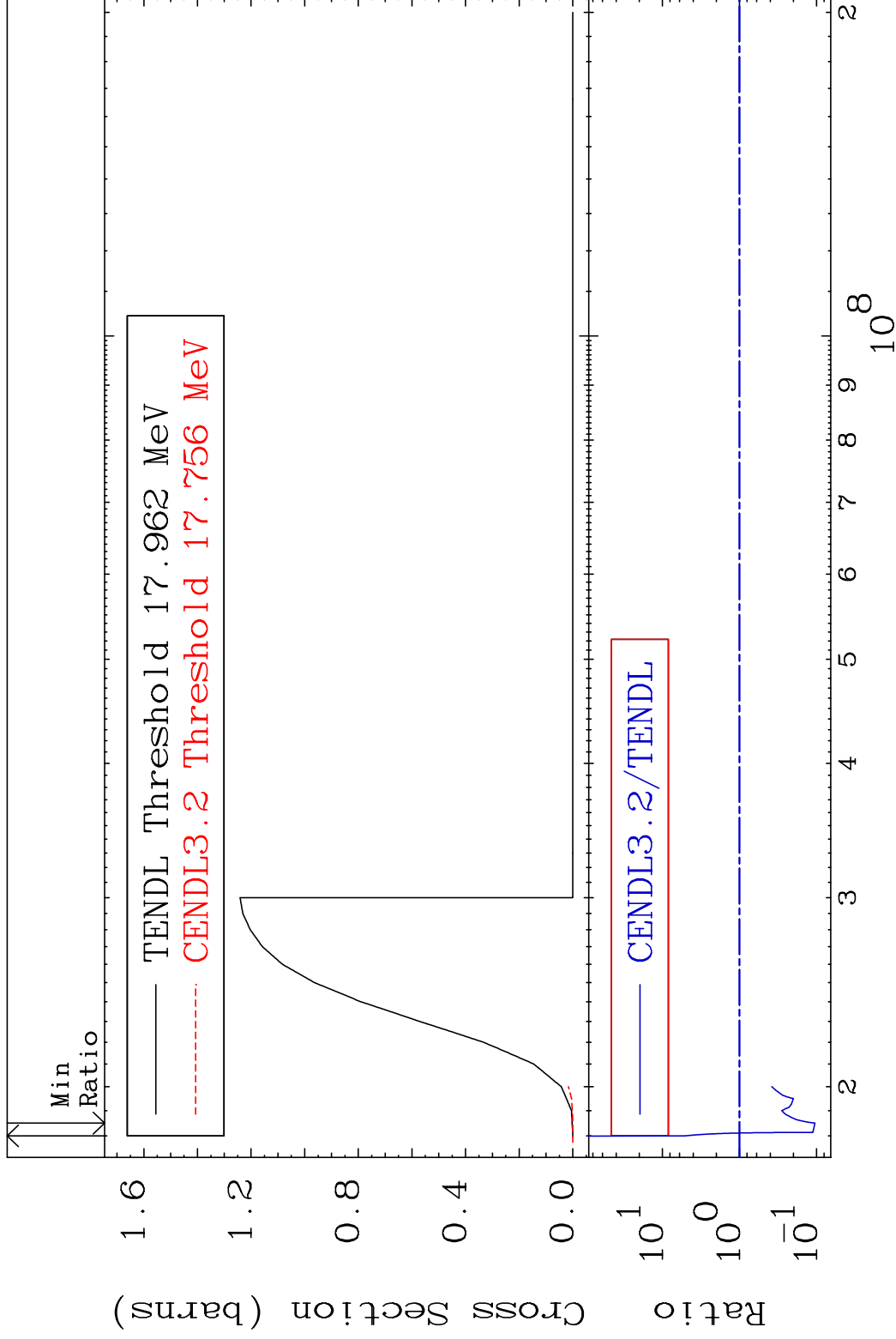
60-Nd-142

MAT 6025

(n,3n)

60-Nd-142

Cross Section -89.46 To 421.0 %



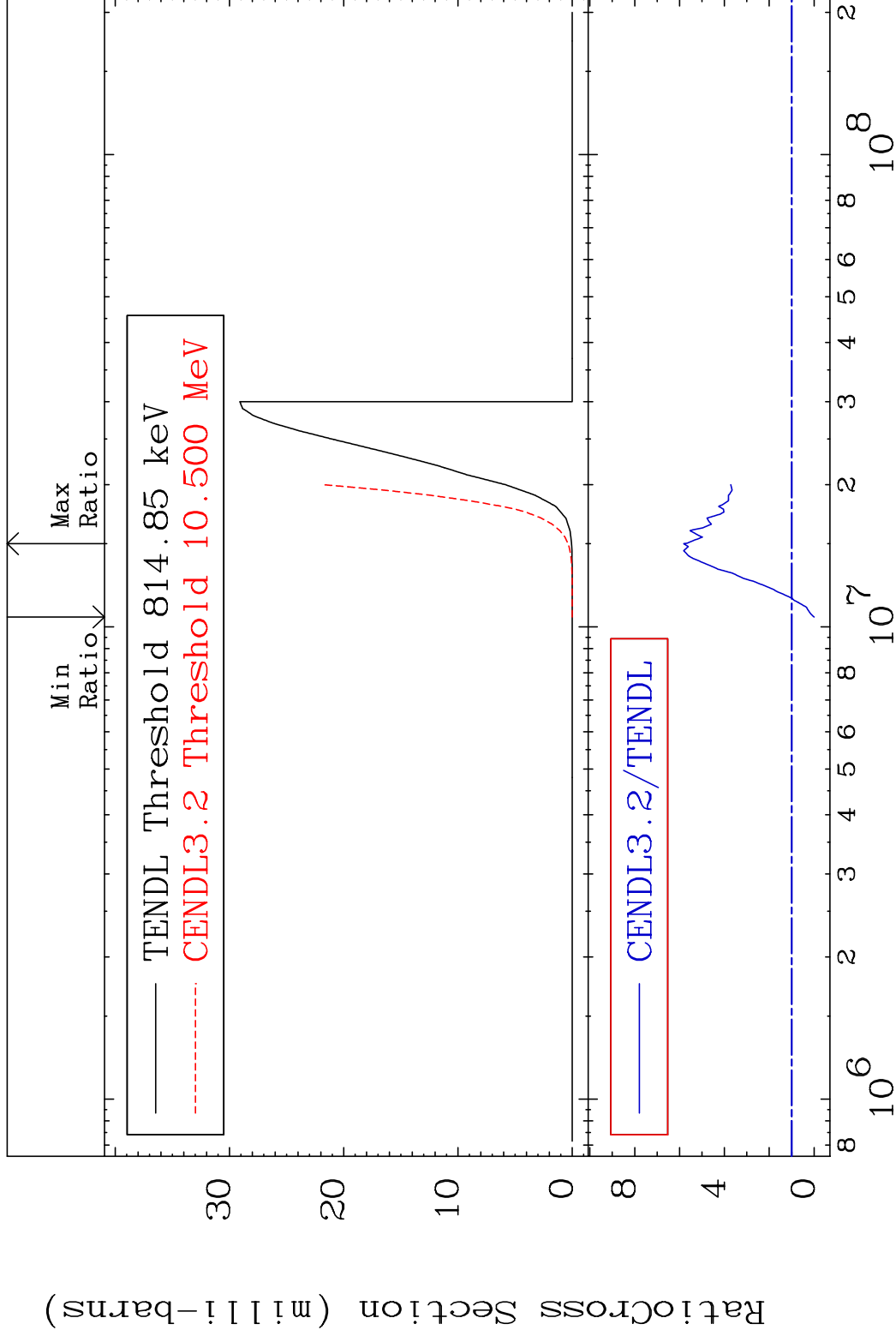
5

Incident Energy (eV)

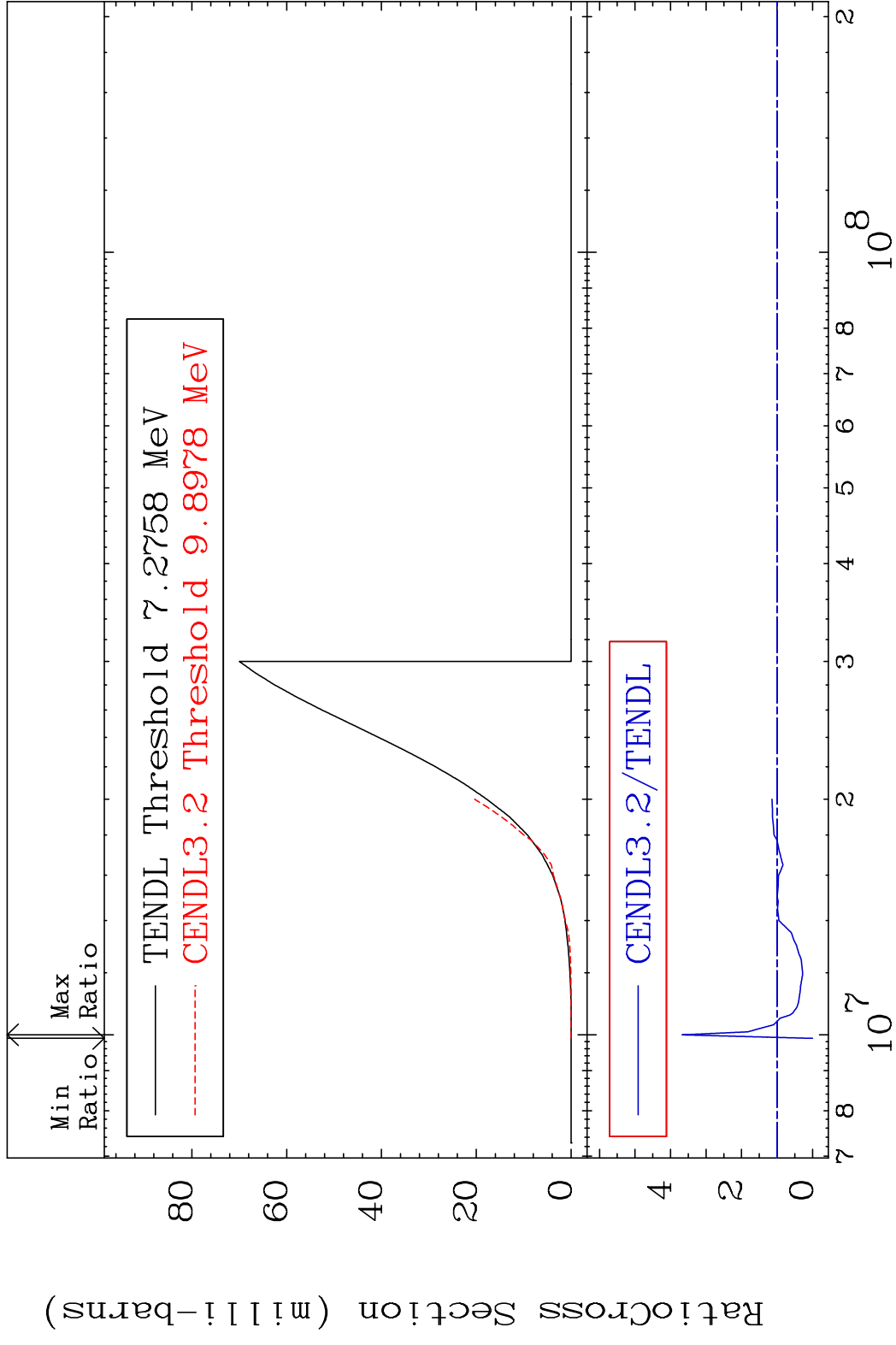
60-Nd-142

MAT 6025

(n, n') α 60-Nd-142
Cross Section -100.0 To 481.7 %

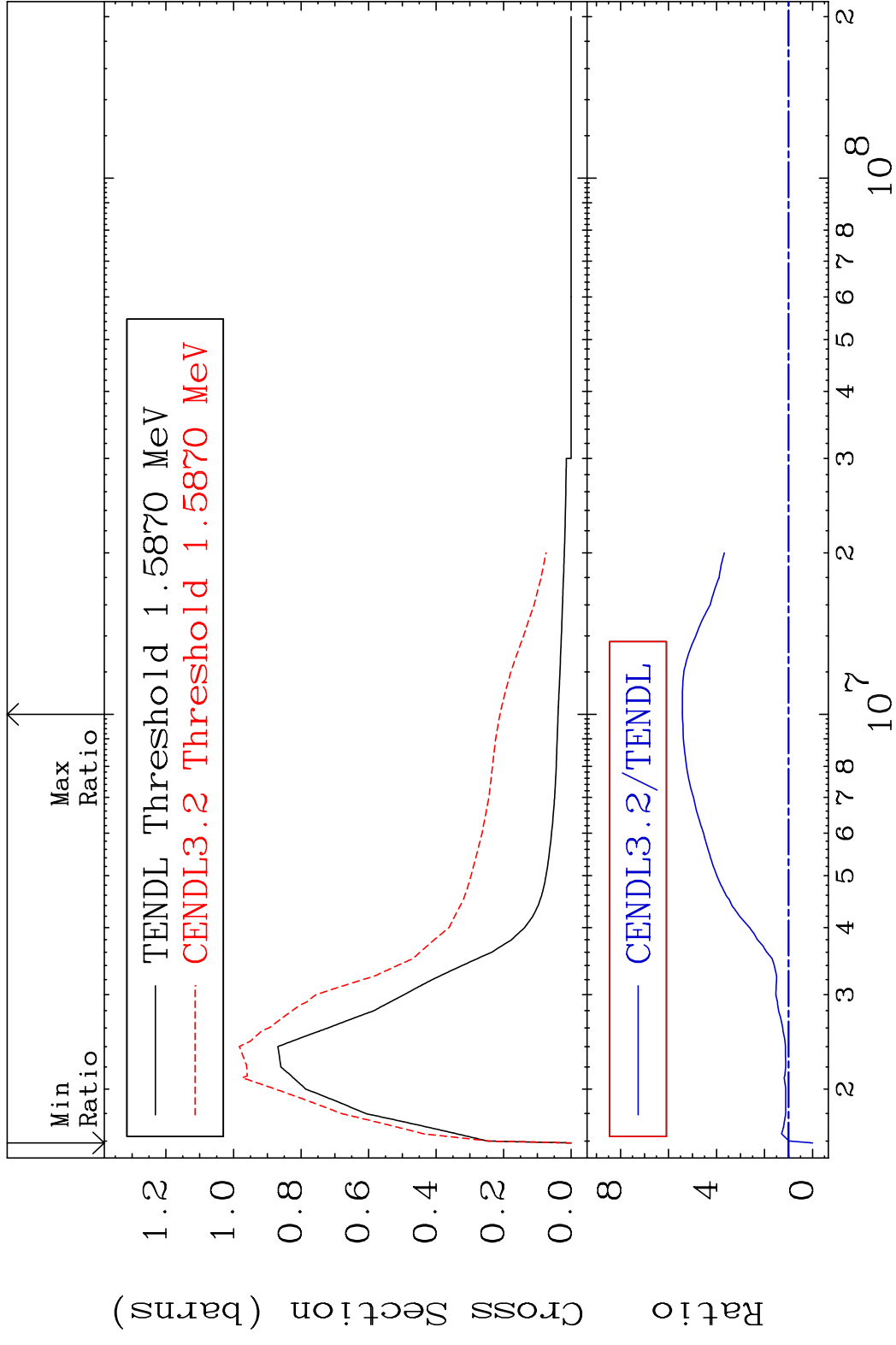


MAT 6025 (n, n') p 60-Nd-142
 Cross Section -100.0 To 266.7 %

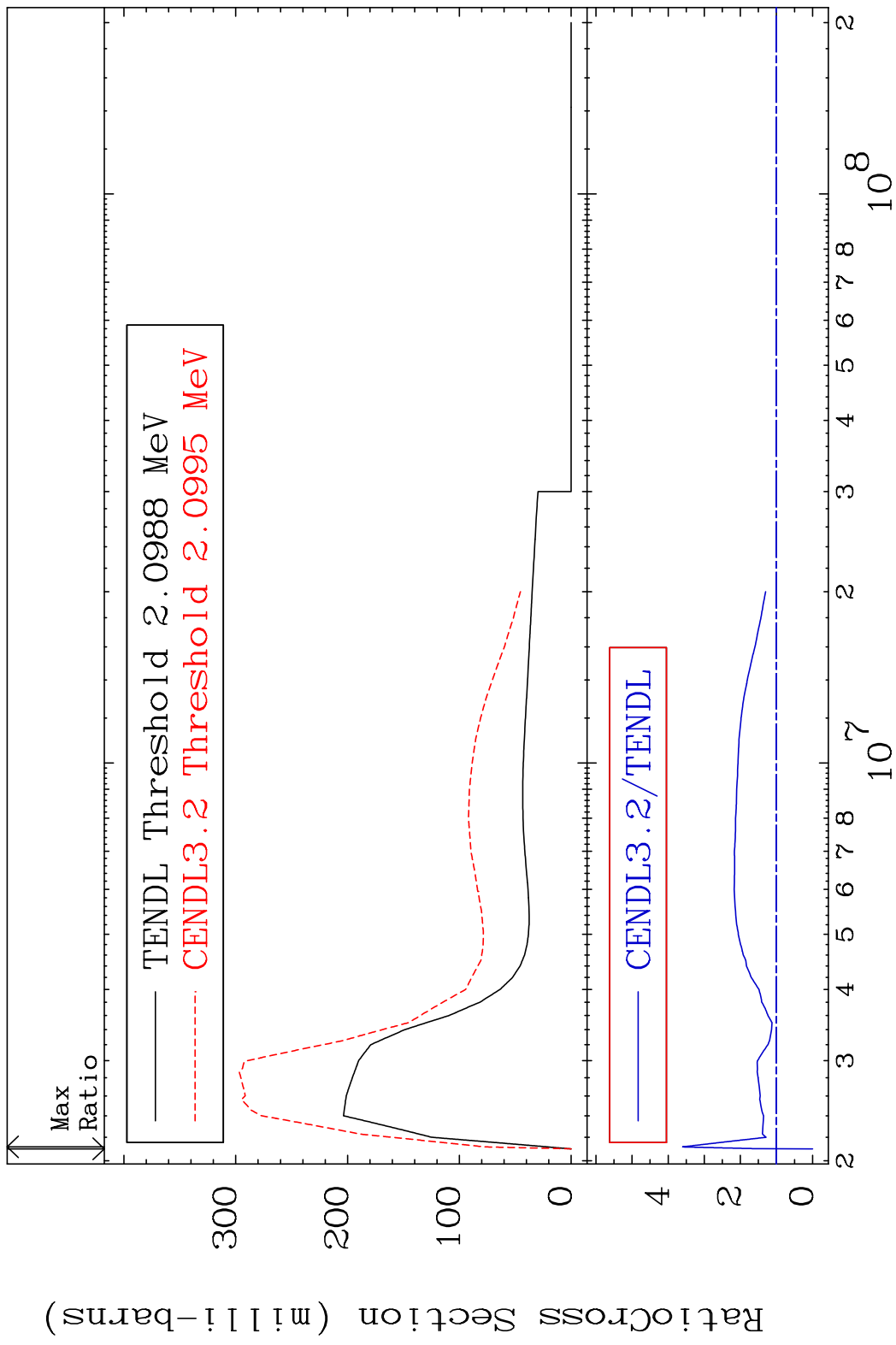


7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 60-Nd-142

MAT 6025 MT= 51 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 442.3 %

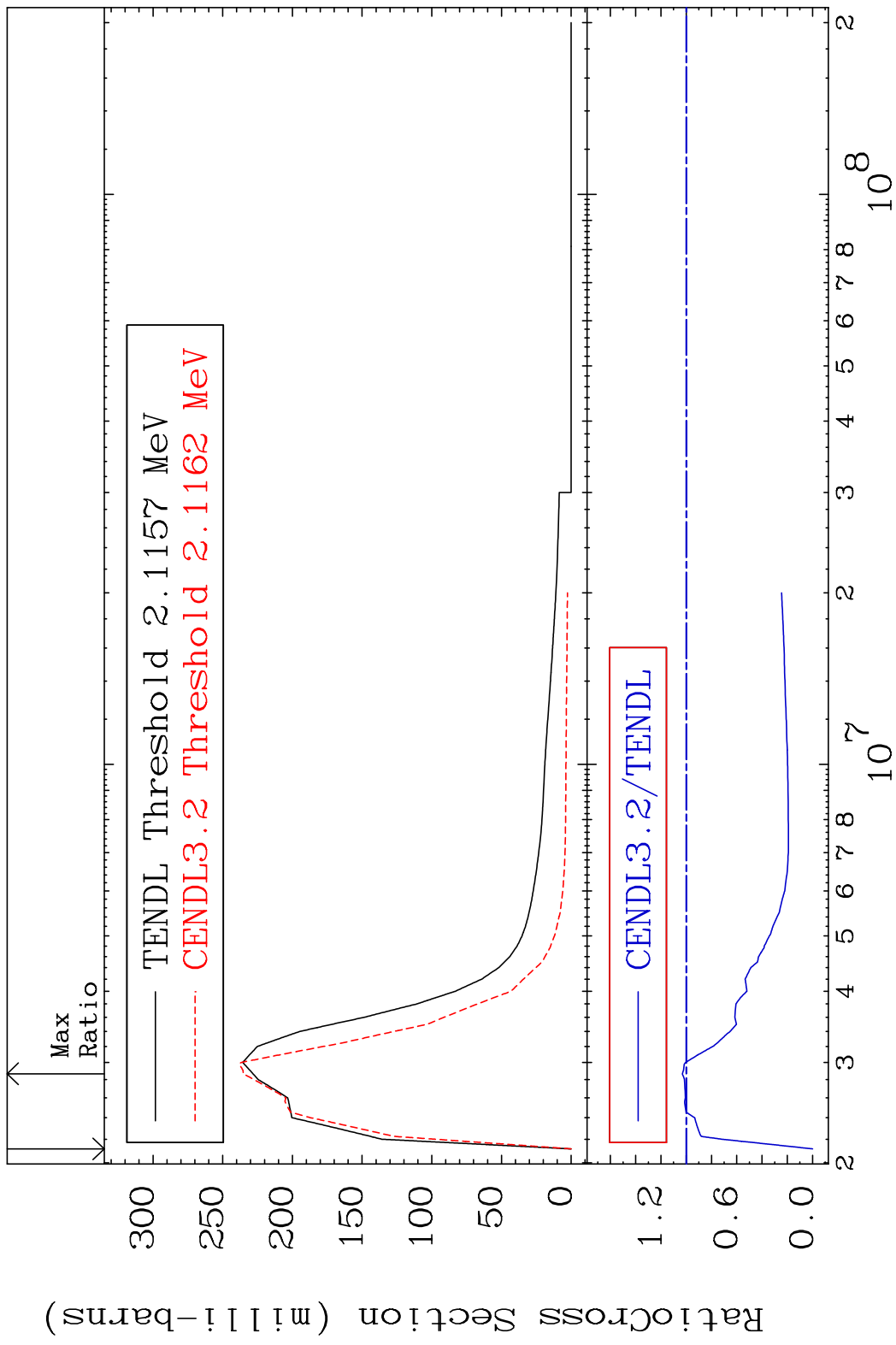


MAT 6025 MT= 52 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 260.6 %



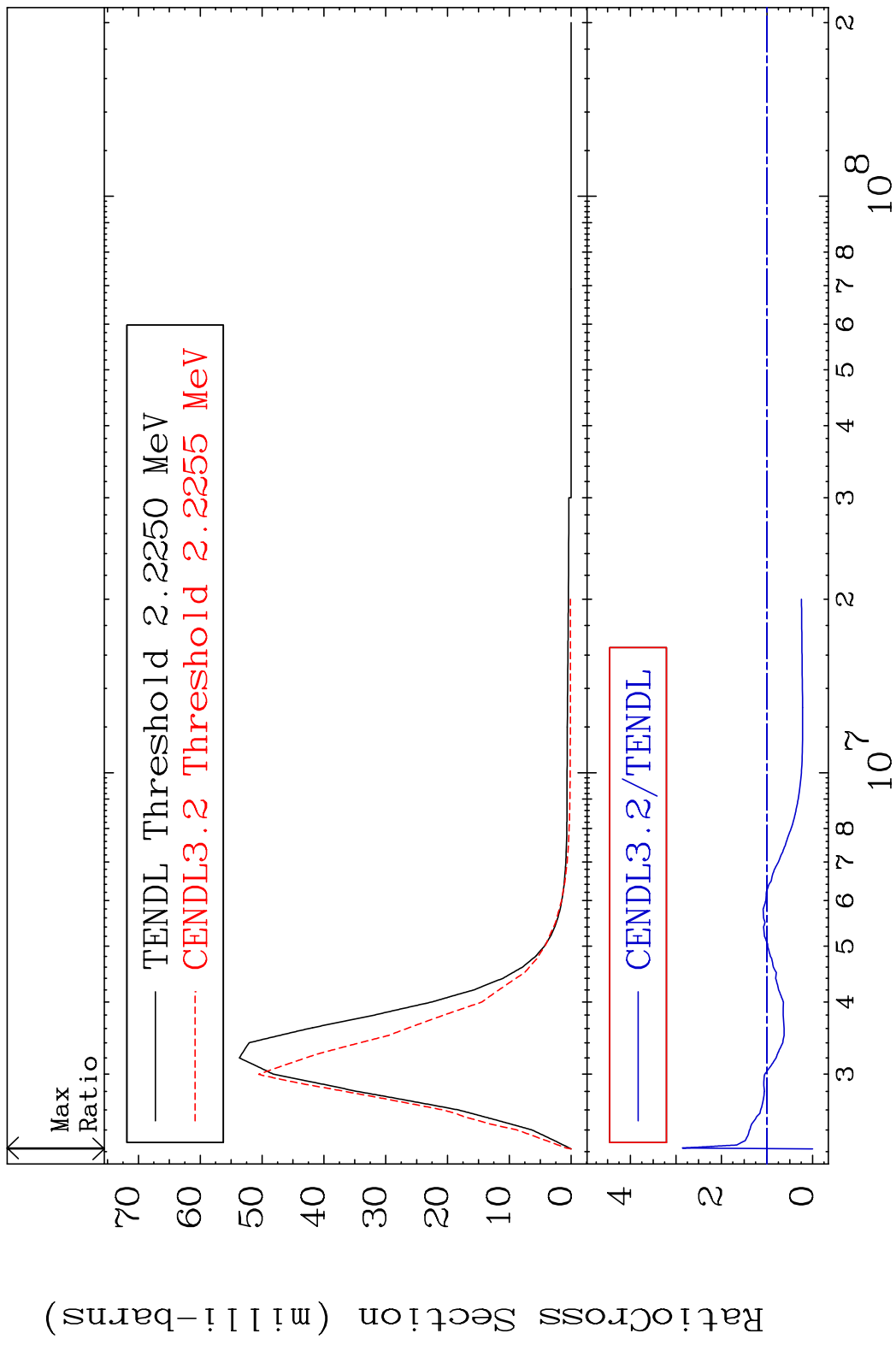
9 Incident Energy (eV) 60-Nd-142

MAT 6025 MT= 53 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 3.049 %

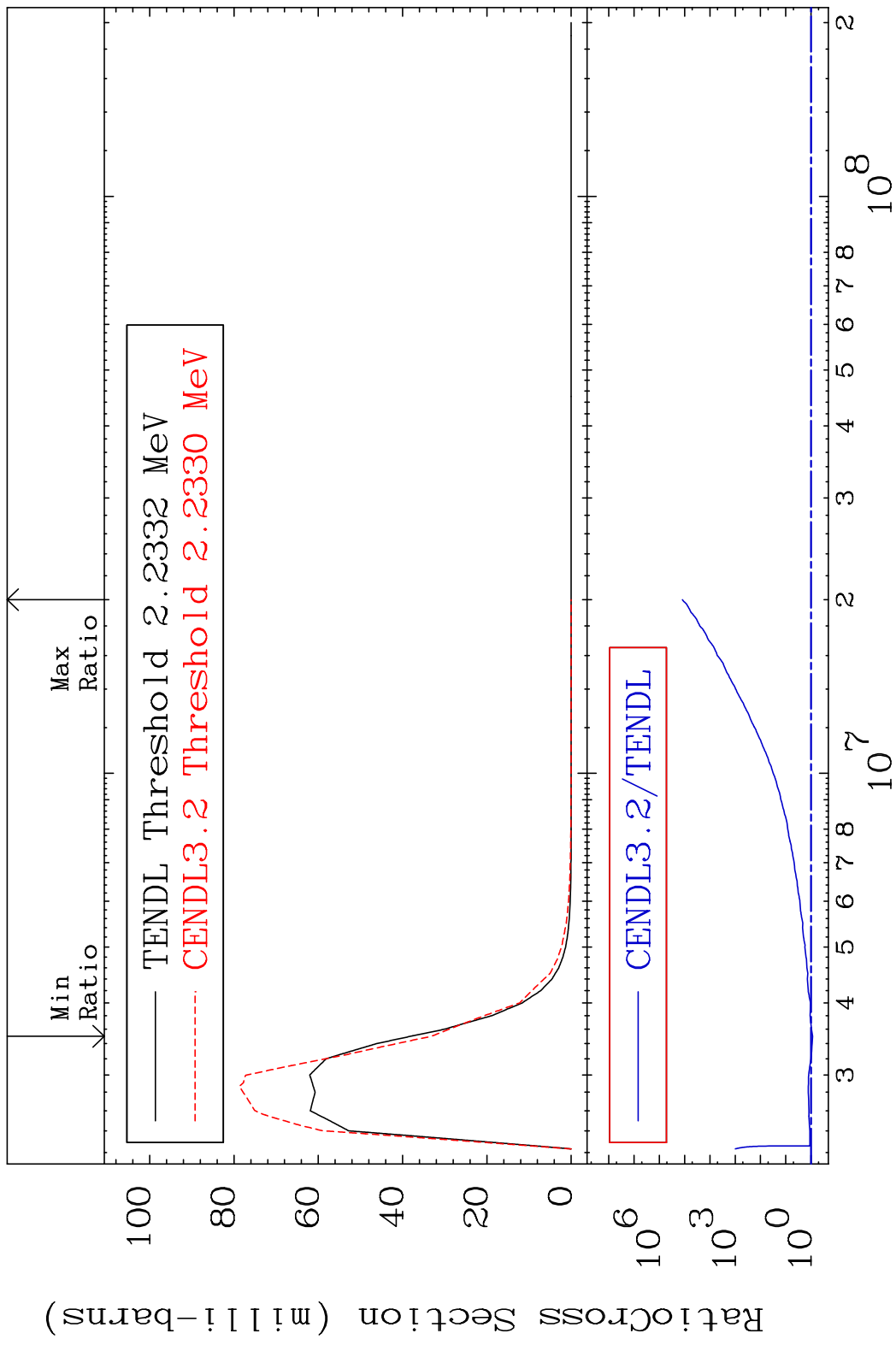


10 Incident Energy (eV) 60-Nd-142

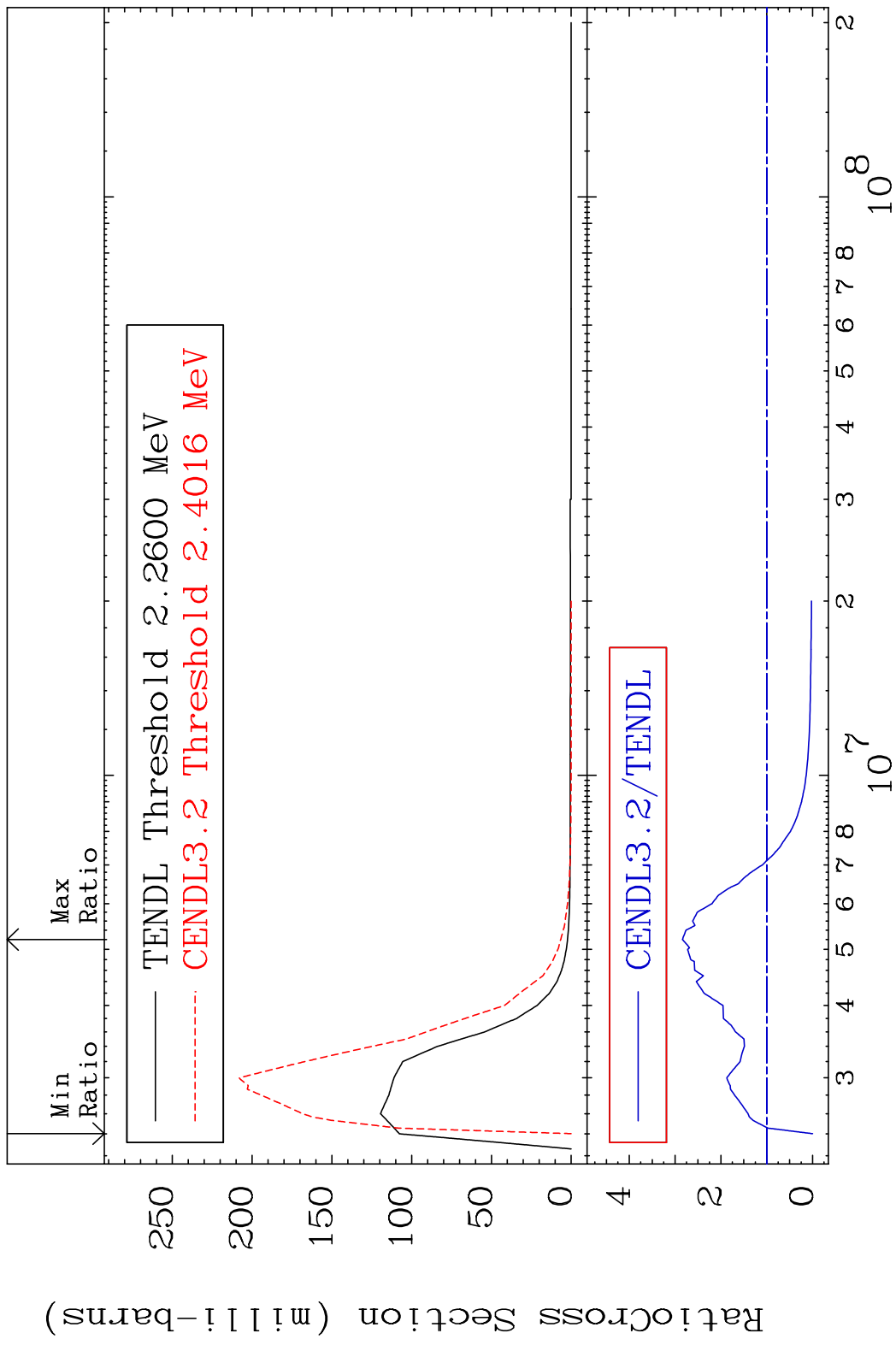
MAT 6025 MT= 54 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 185.9 %



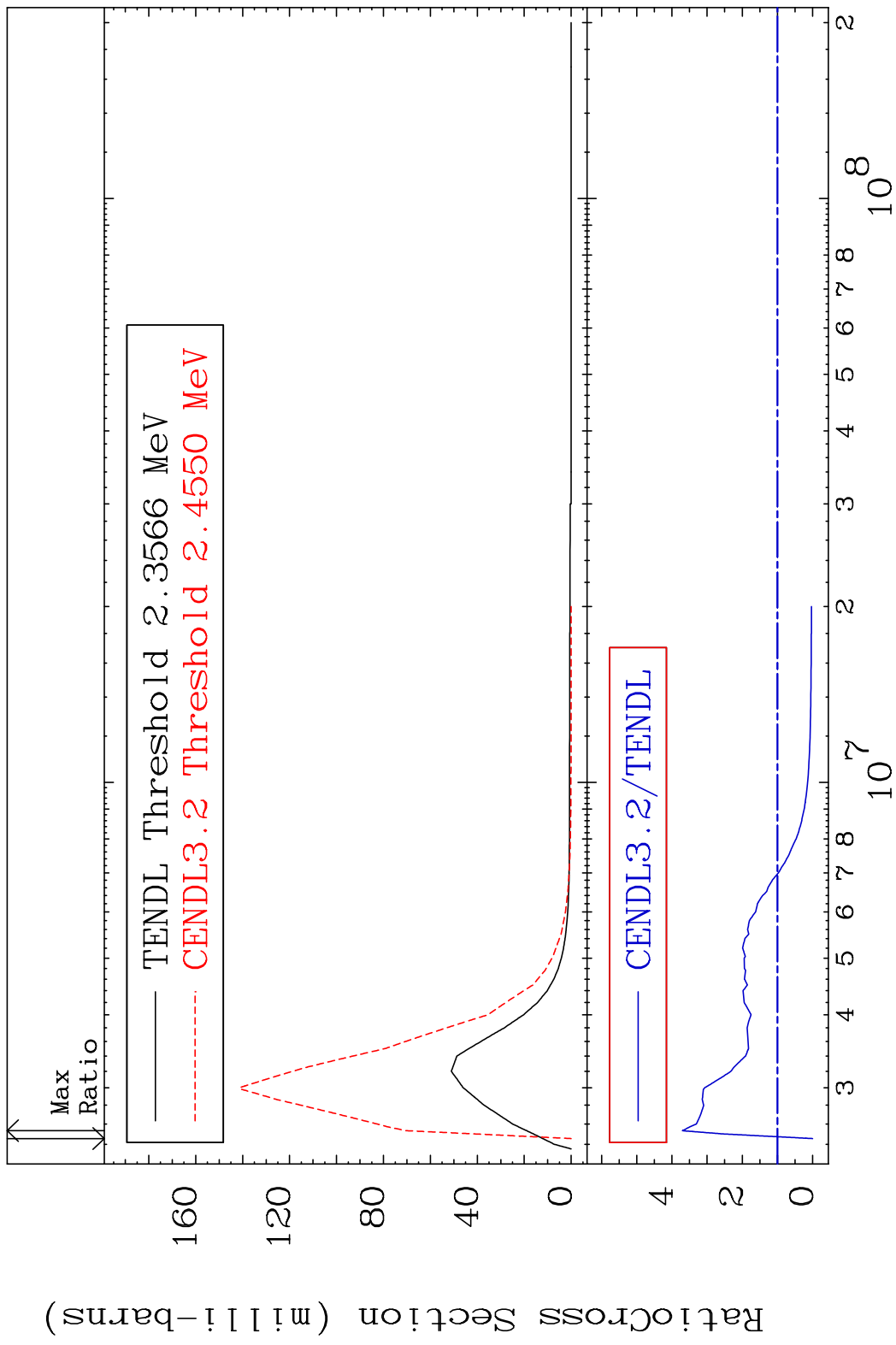
MAT 6025 MT= 55 (n, n') Level 60-Nd-142
 Cross Section -12.92 To 9999. %



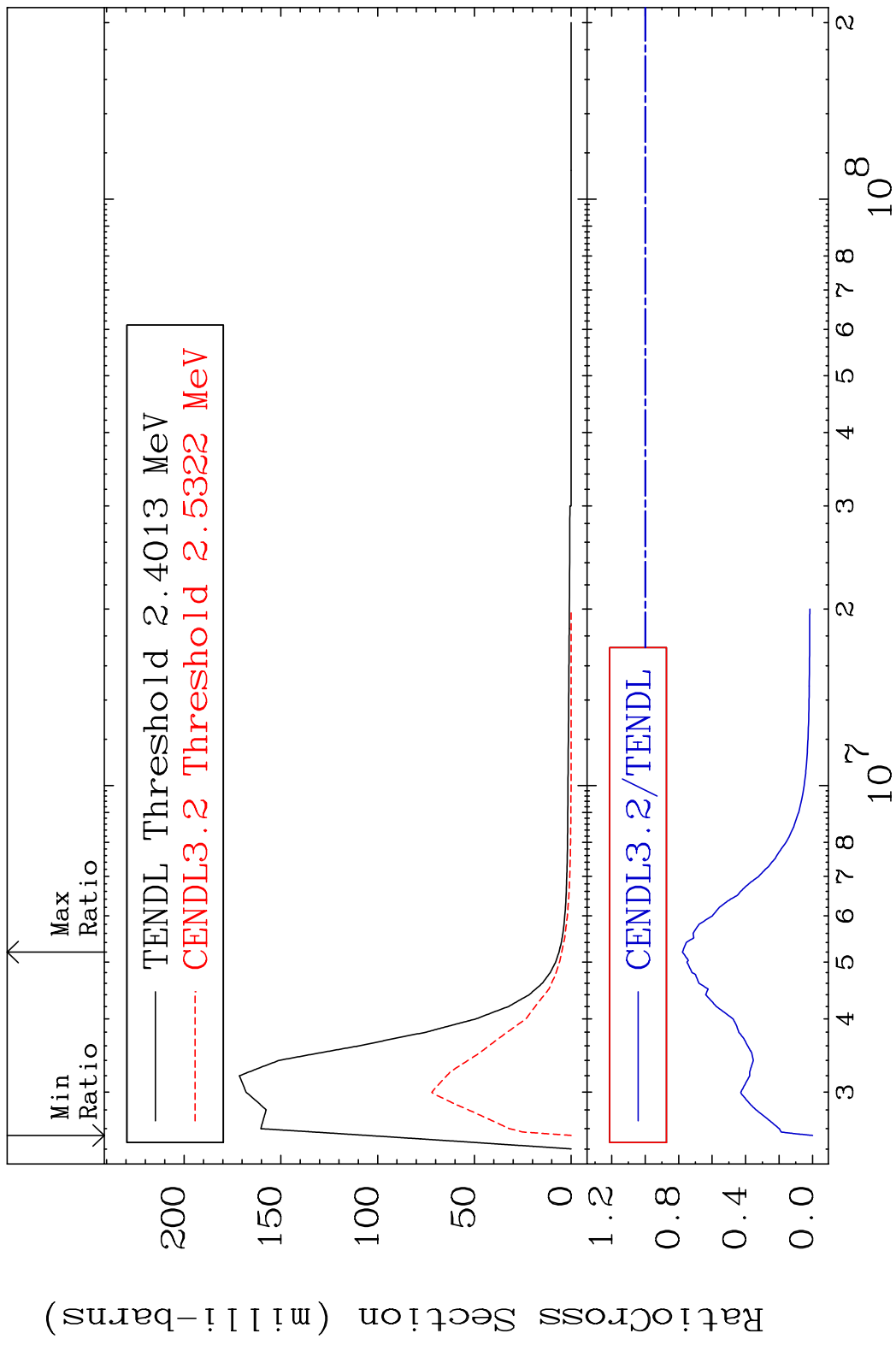
MAT 6025 MT= 56 (n,n') Level 60-Nd-142
 Cross Section -100.0 To 184.2 %



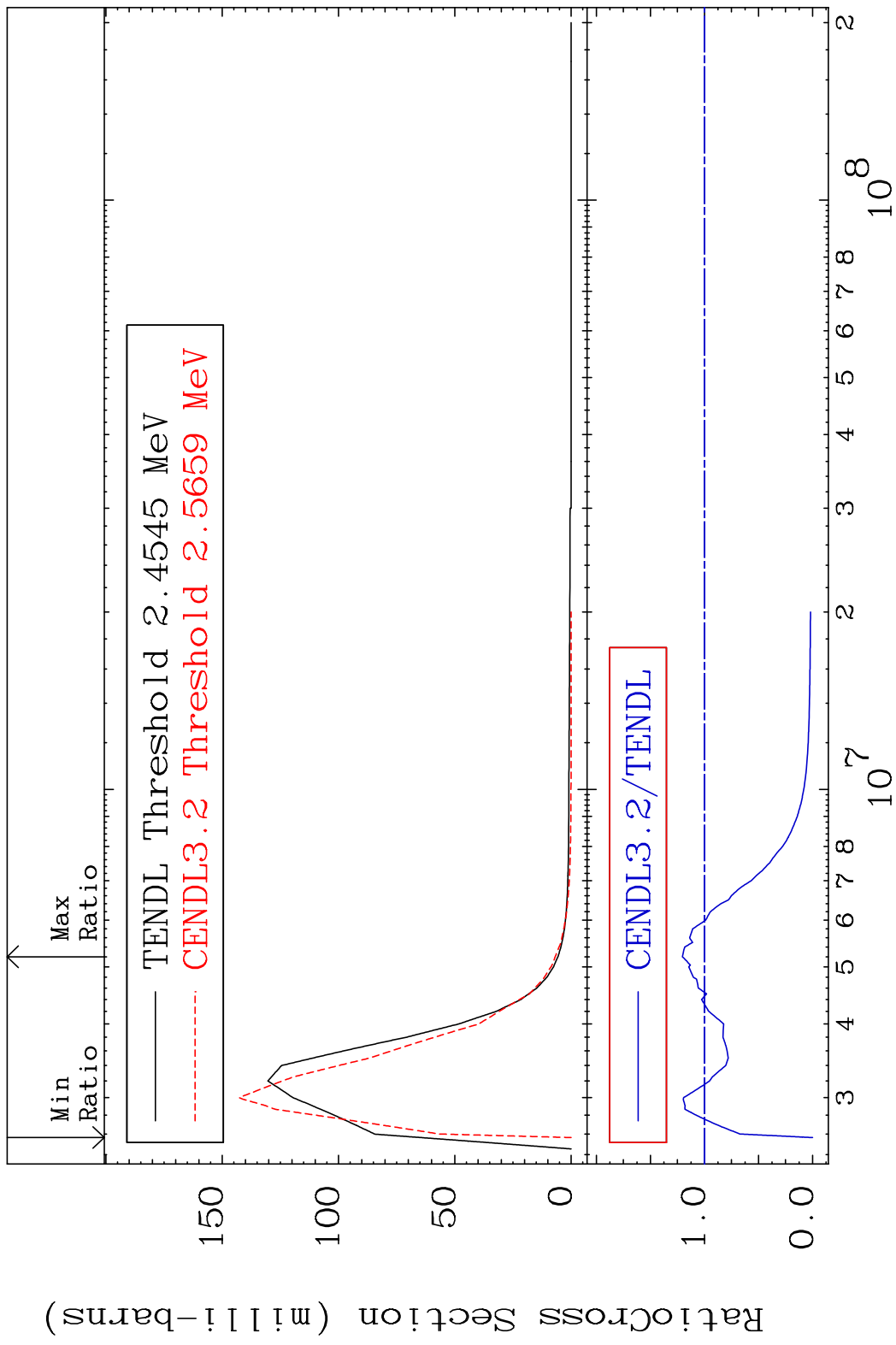
MAT 6025 MT= 57 (n,n') Level 60-Nd-142
 Cross Section -100.0 To 270.4 %



MAT 6025 MT= 58 (n, n') Level 60-Nd-142
 Cross Section -100.0 To -22.21%

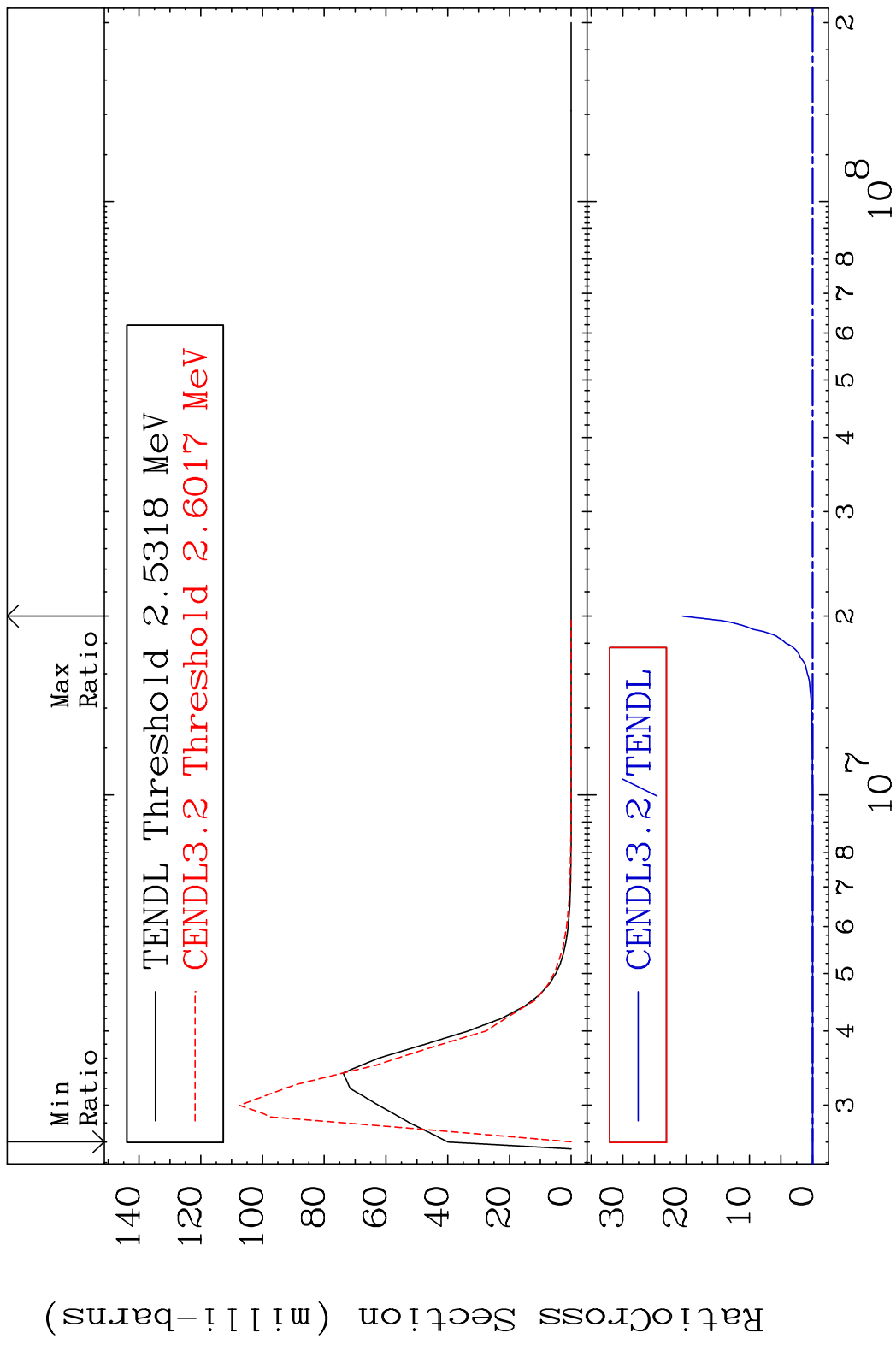


MAT 6025 MT= 59 (n,n') Level 60-Nd-142
 Cross Section -100.0 To 20.46 %



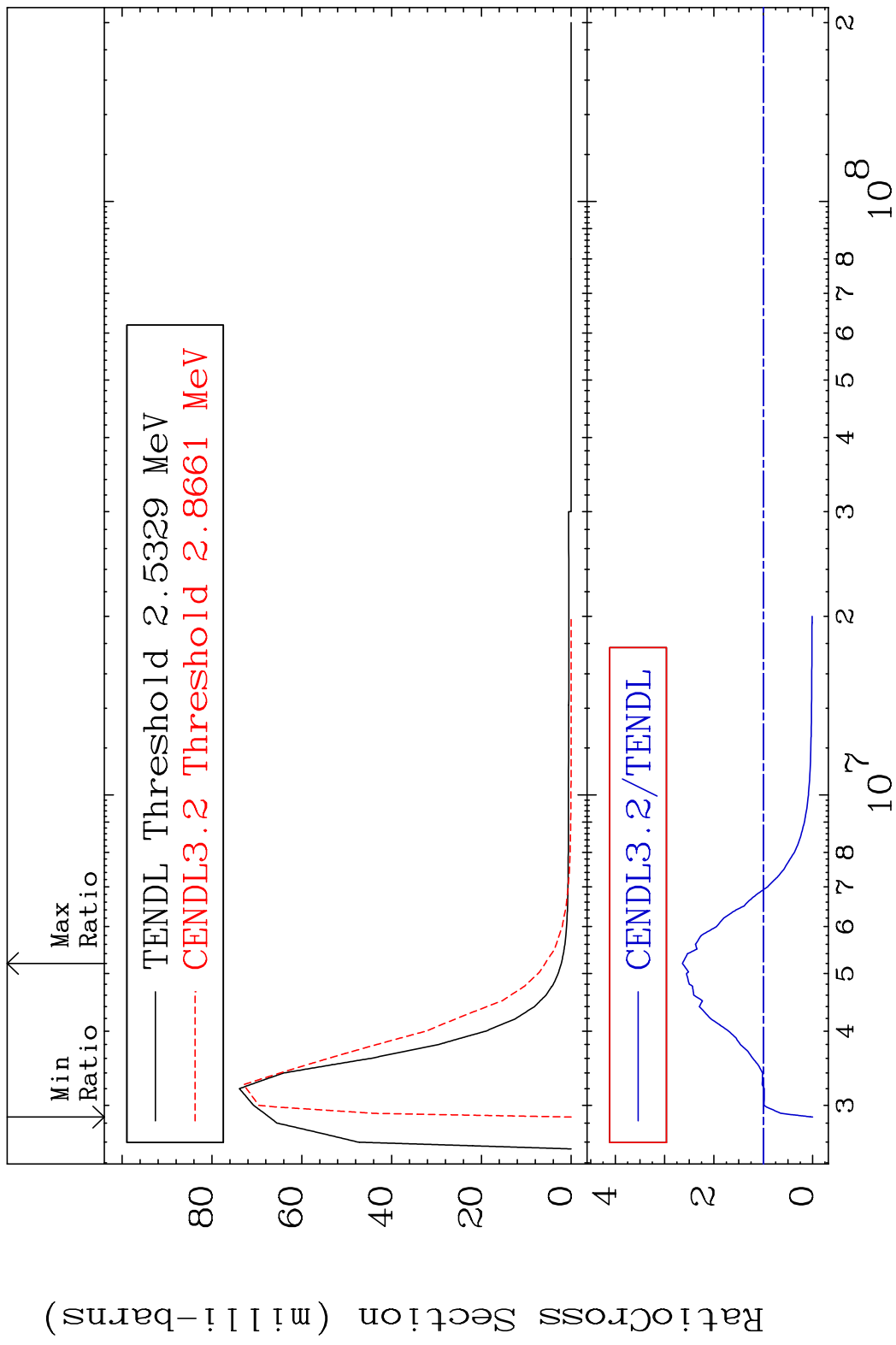
16 Incident Energy (eV) 60-Nd-142

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

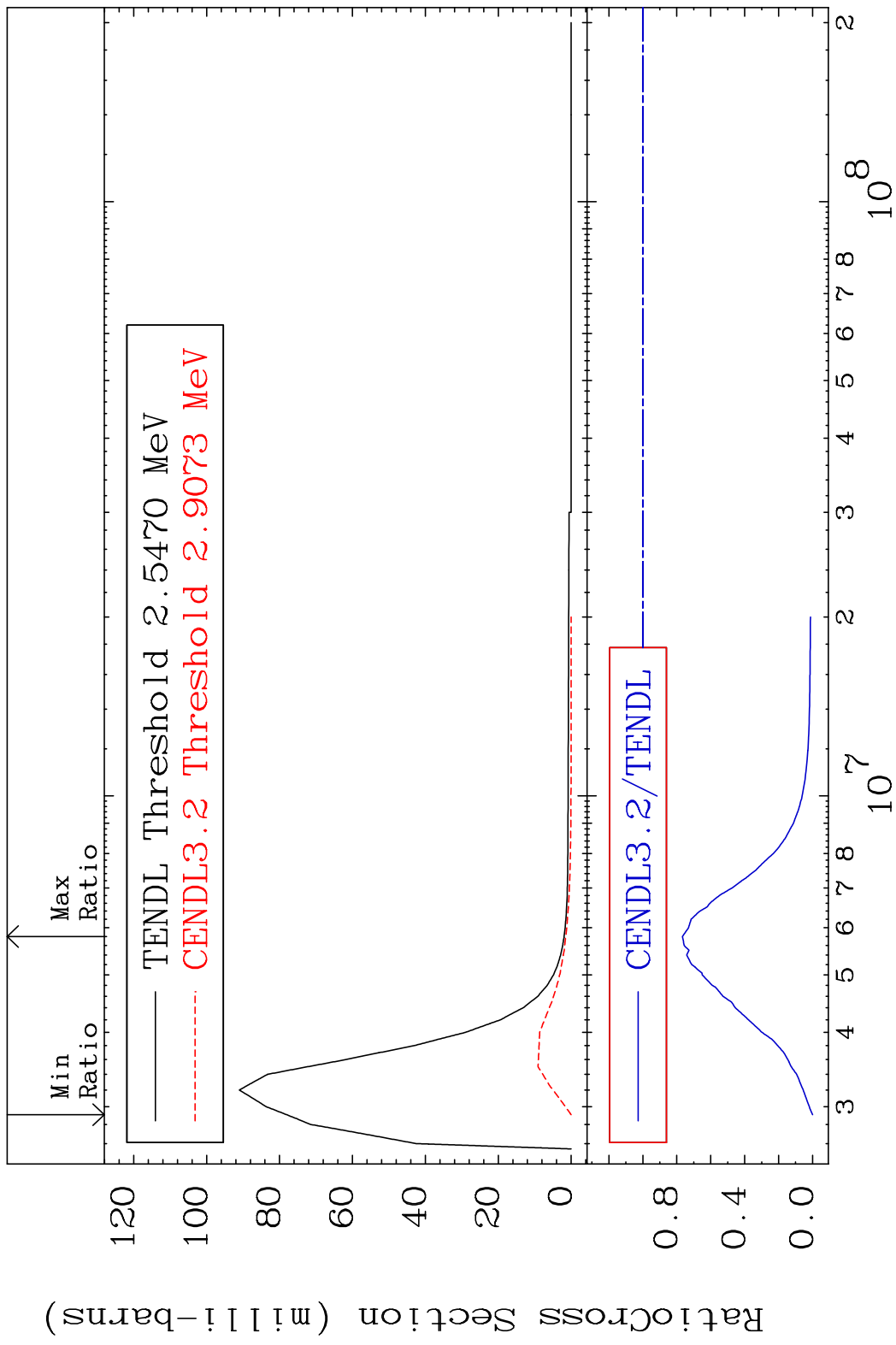


17 Incident Energy (eV) 60-Nd-142

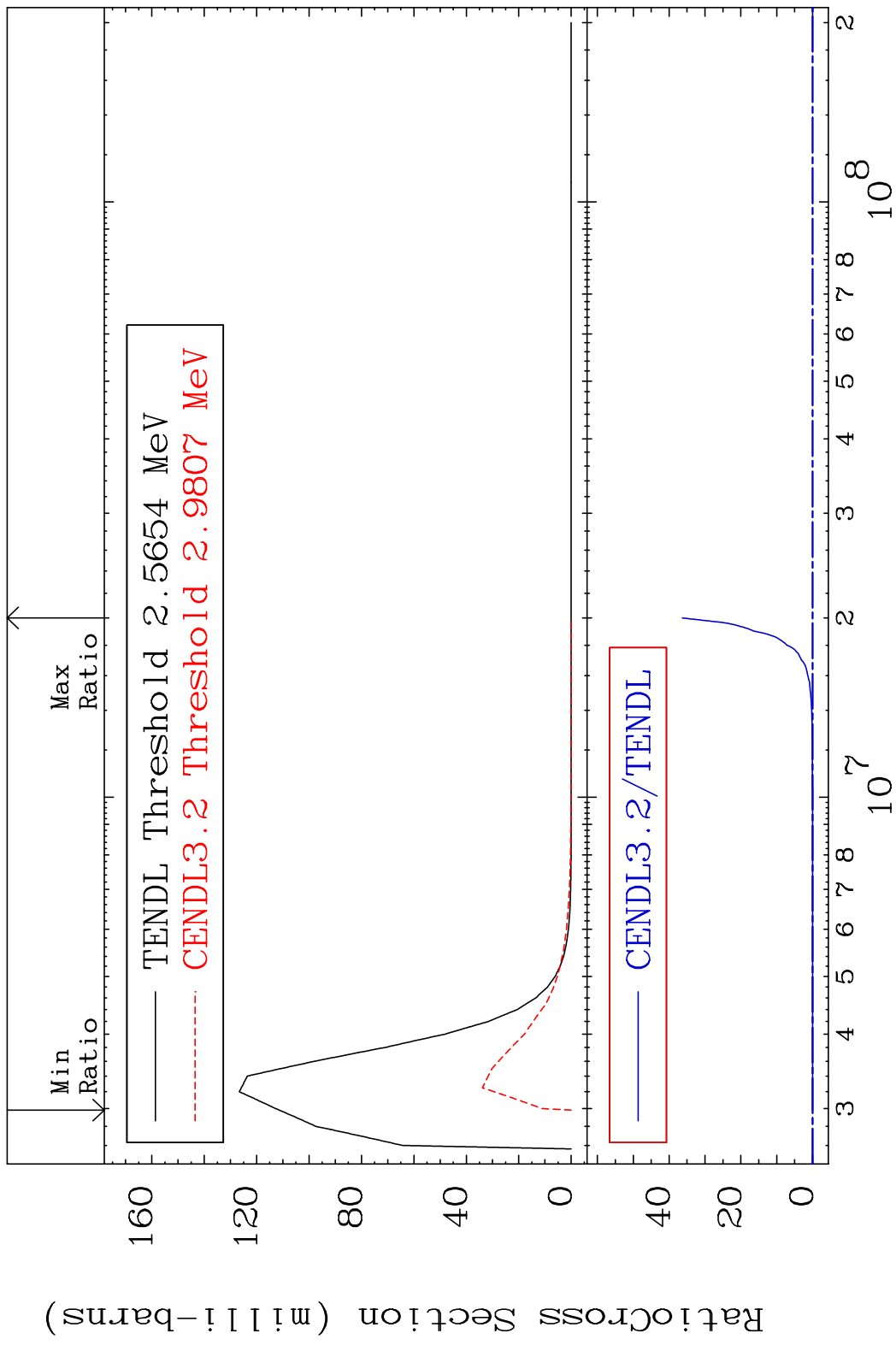
MAT 6025 MT= 61 (n,n') Level 60-Nd-142
 Cross Section -100.0 To 164.1 %



MAT 6025 MT= 62 (n, n') Level 60-Nd-142
 Cross Section -100.0 To -23.29%

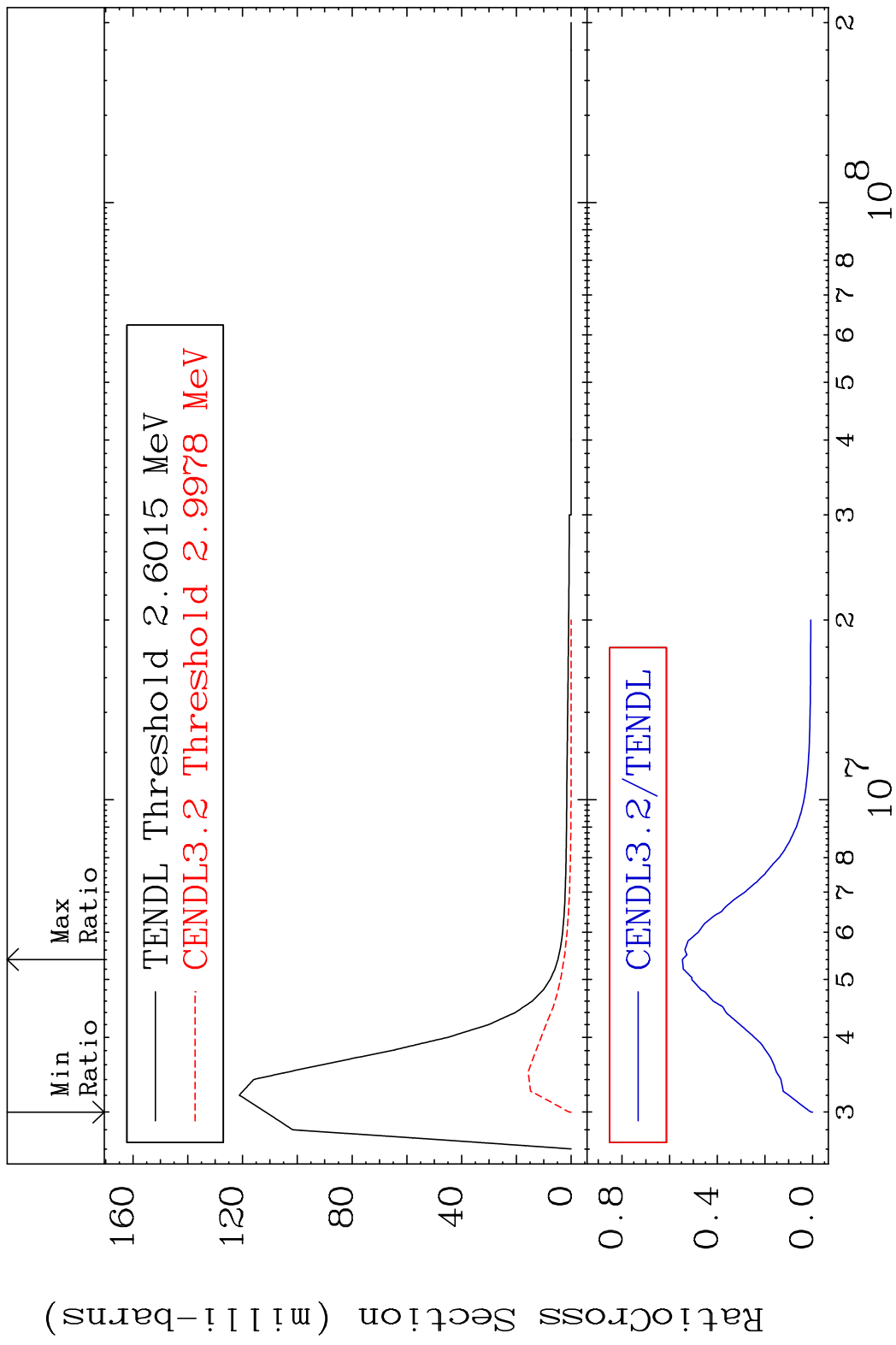


MAT 6025 MT= 63 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 9999. %

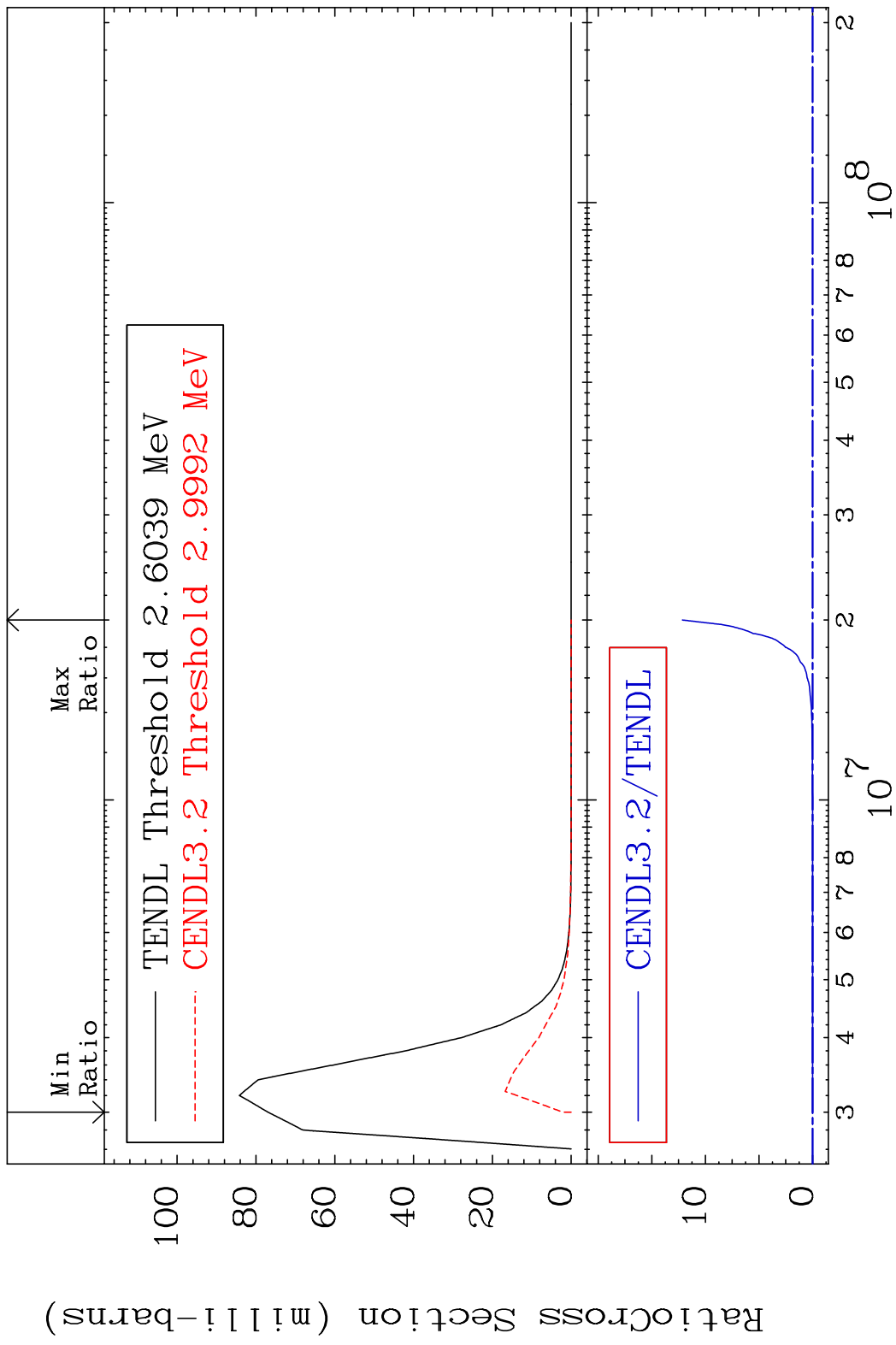


20 Incident Energy (eV) 60-Nd-142

MAT 6025 MT= 64 (n, n') Level 60-Nd-142
 Cross Section -100.0 To -45.35%



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

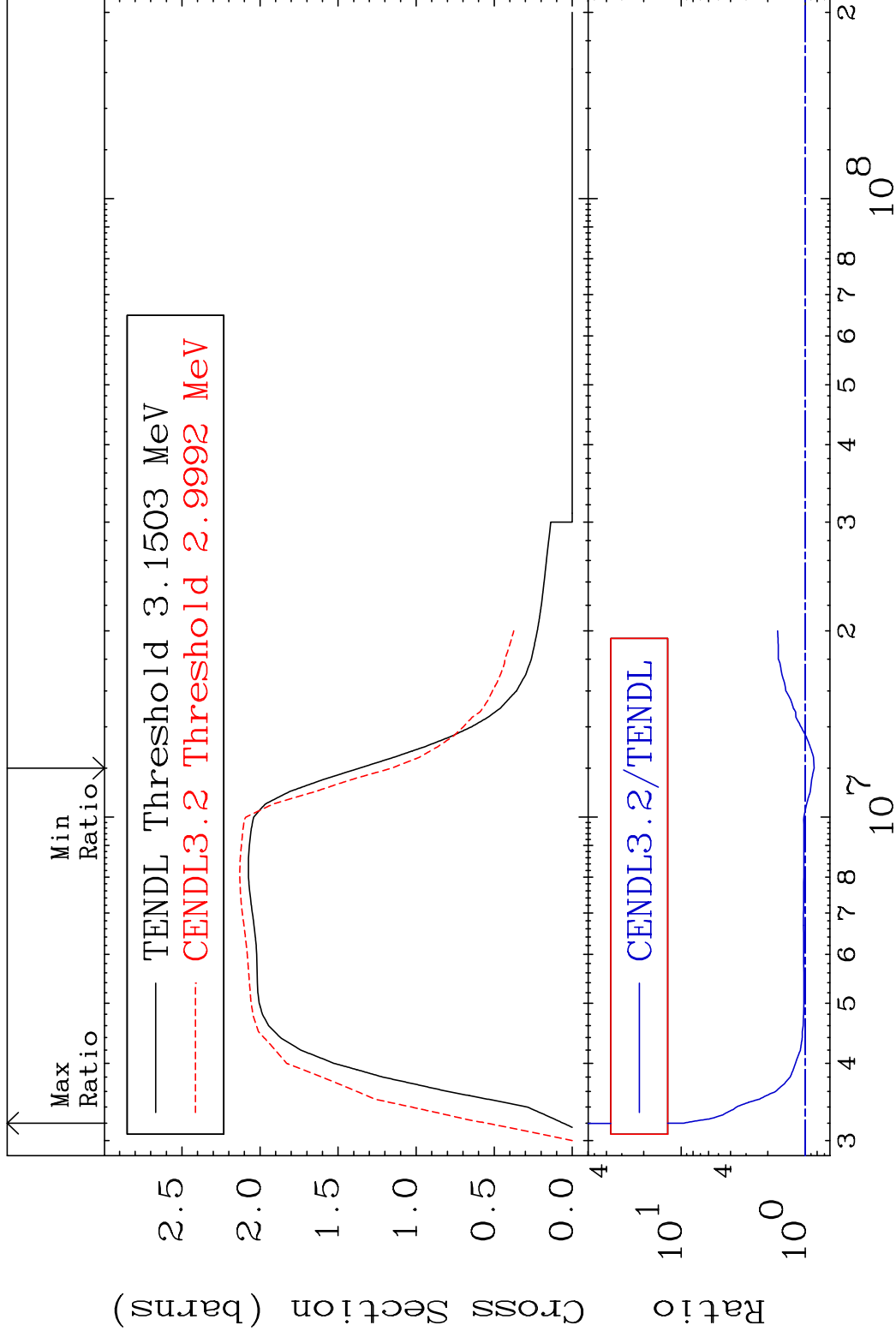


MAT 6025

(n, n') Continuum

60-Nd-142

Cross Section -15.22 To 853.4 %



23

Incident Energy (eV)

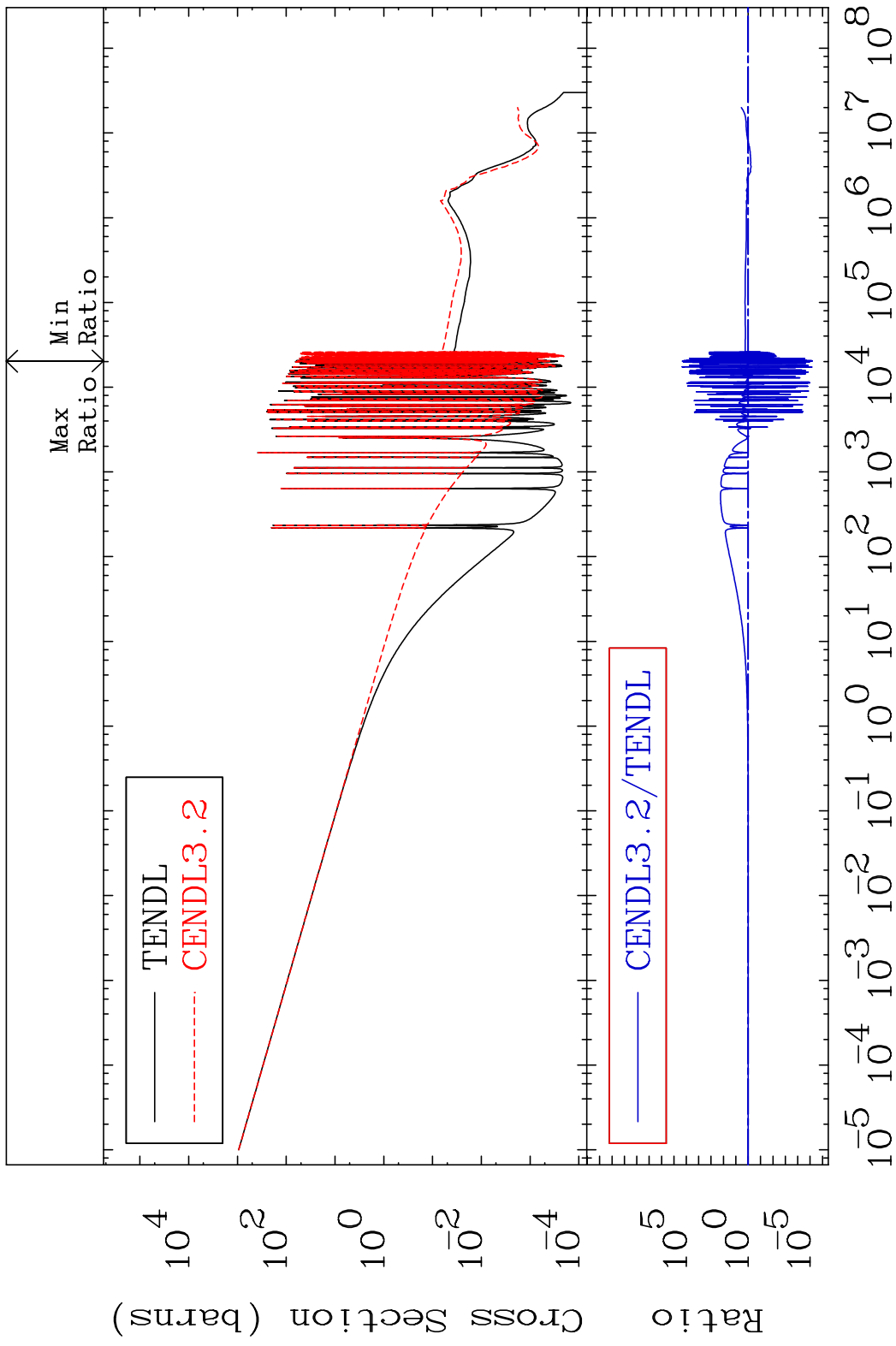
60-Nd-142

MAT 6025

(n, γ)

60-Nd-142

Cross Section -100.0 To 9999. %

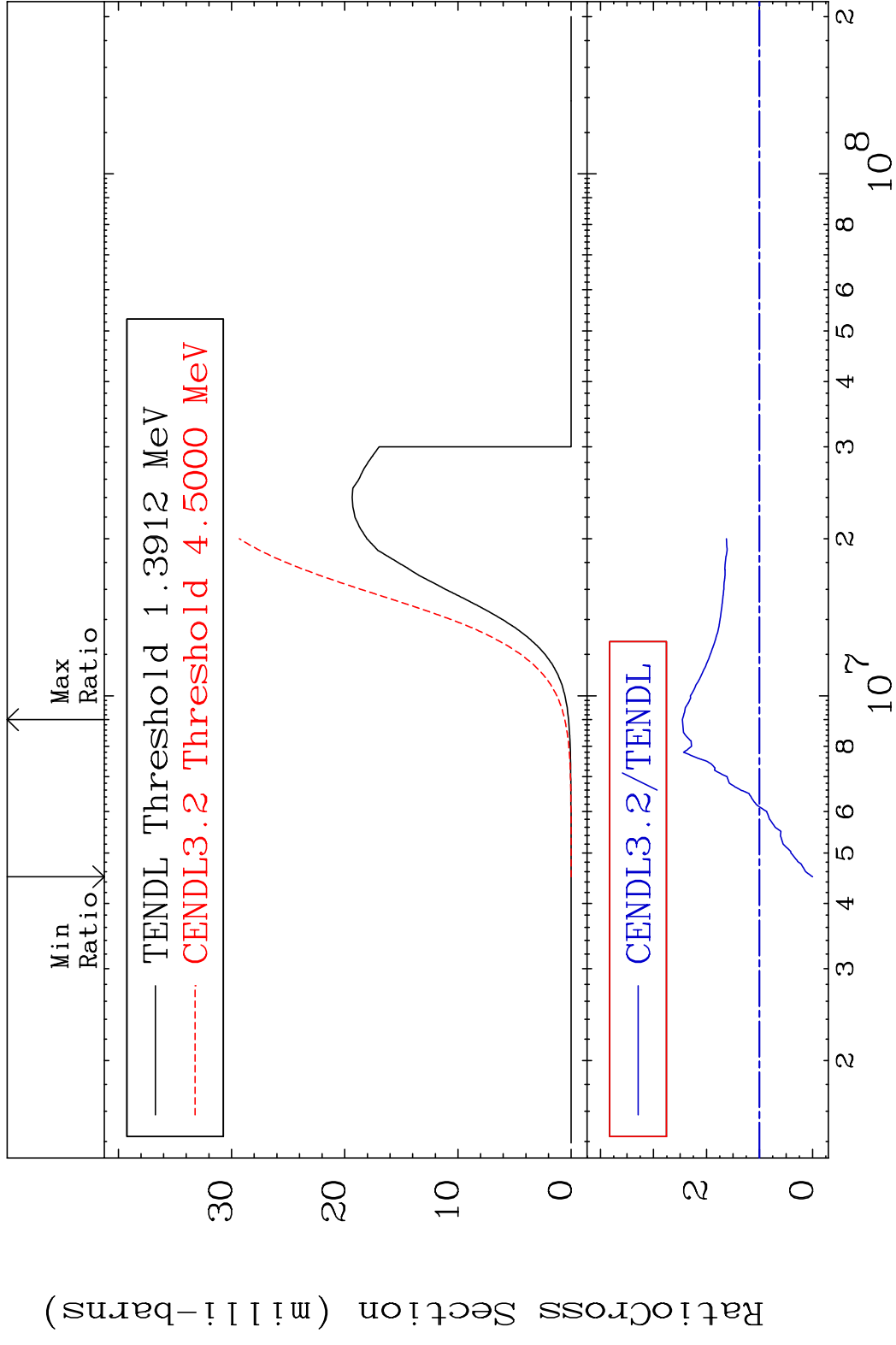


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Incident Energy (eV)

60-Nd-142

MAT 6025 (n,p) 60-Nd-142
 Cross Section -100.0 To 145.6 %

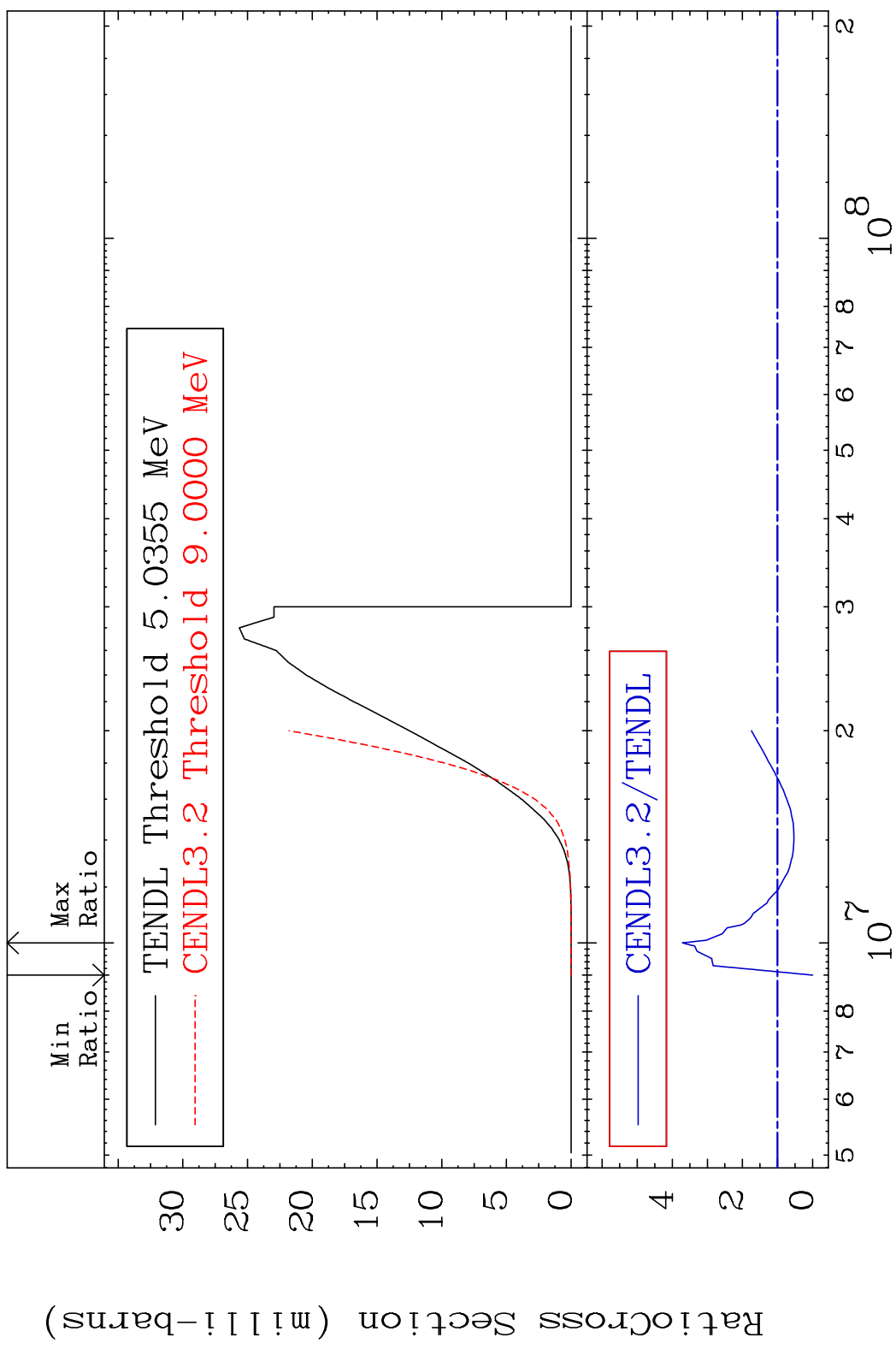


MAT 6025

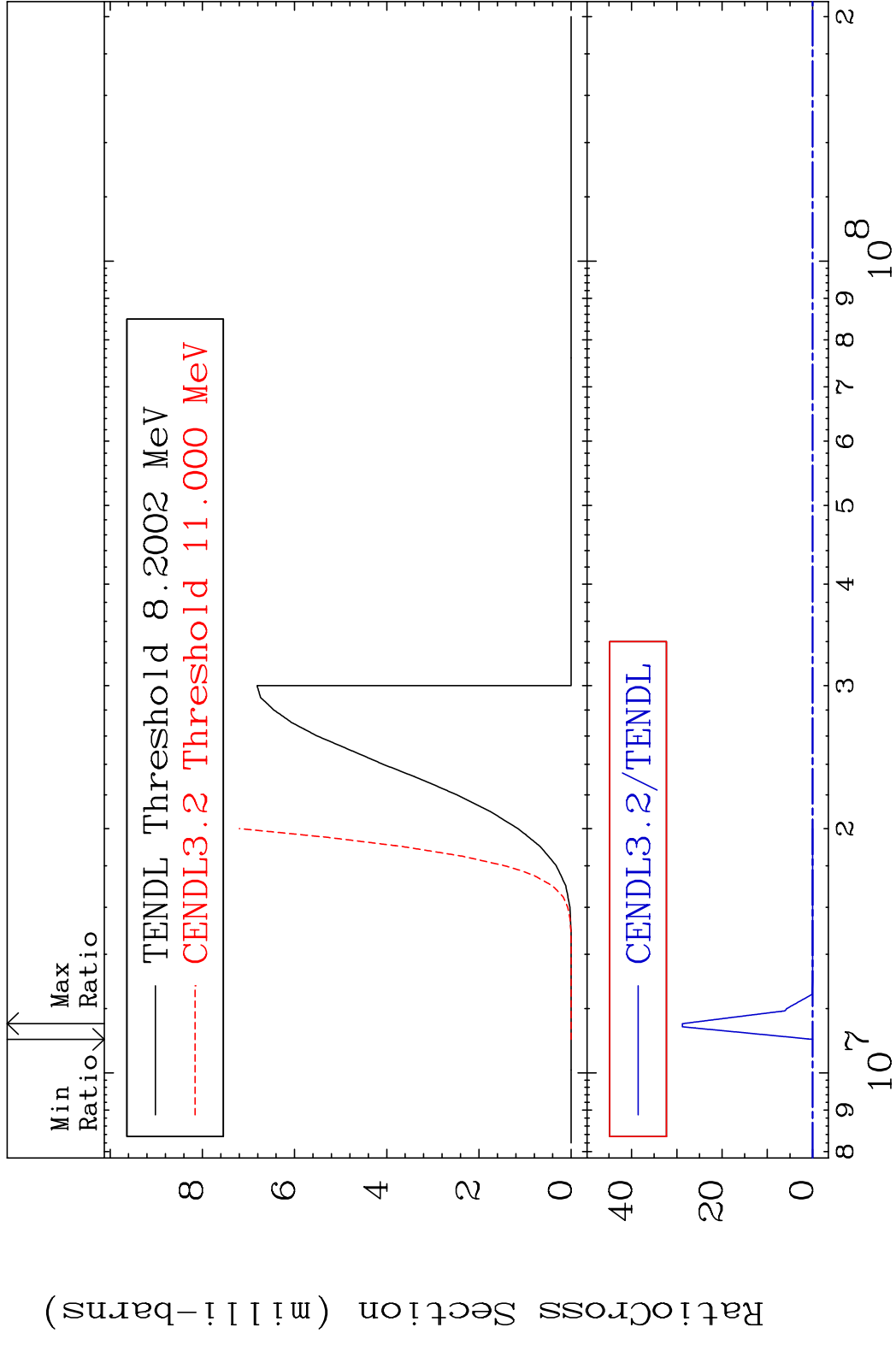
(n, d)

60-Nd-142

Cross Section -100.0 To 271.3 %



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

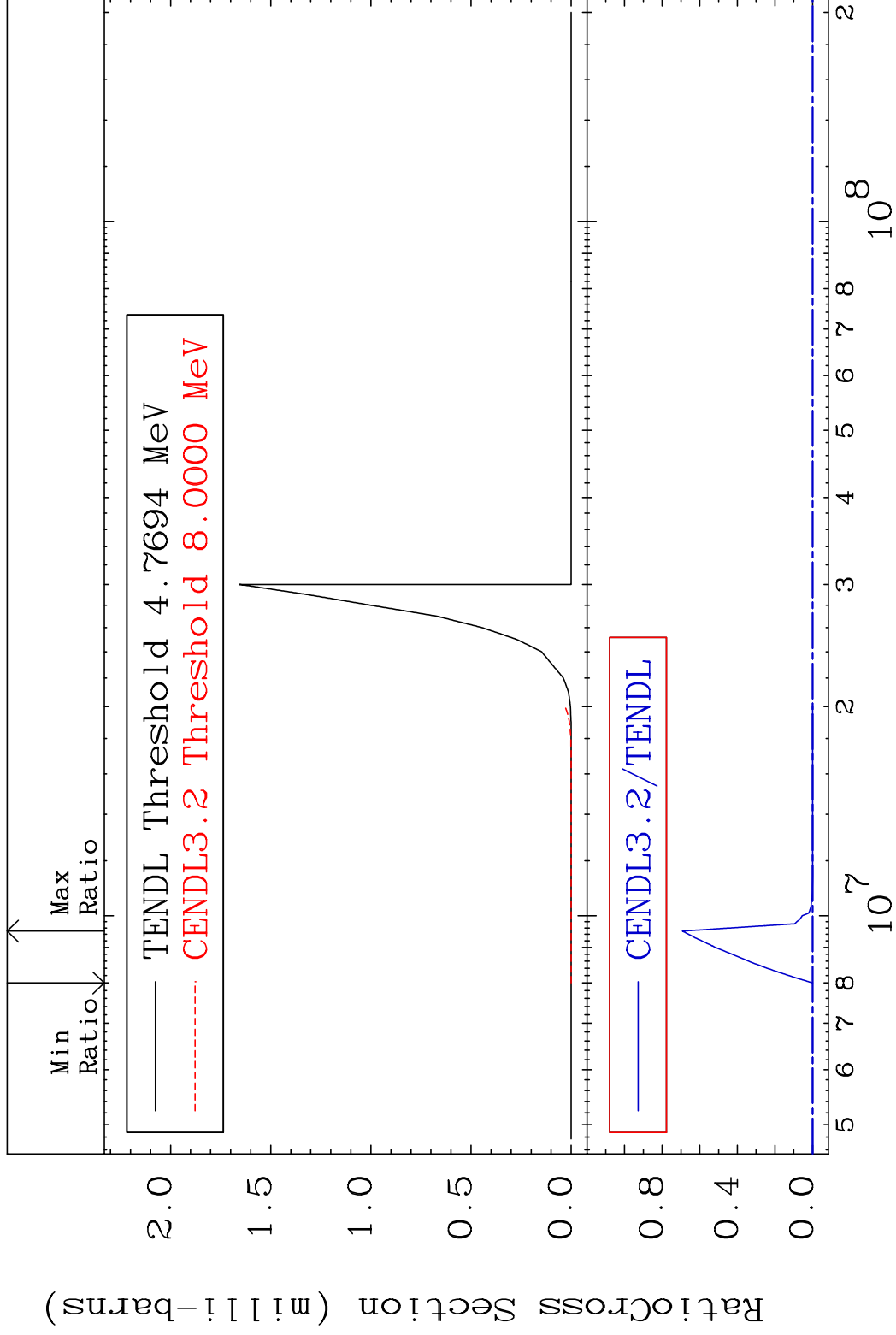


MAT 6025

(n, He-3)

60-Nd-142

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

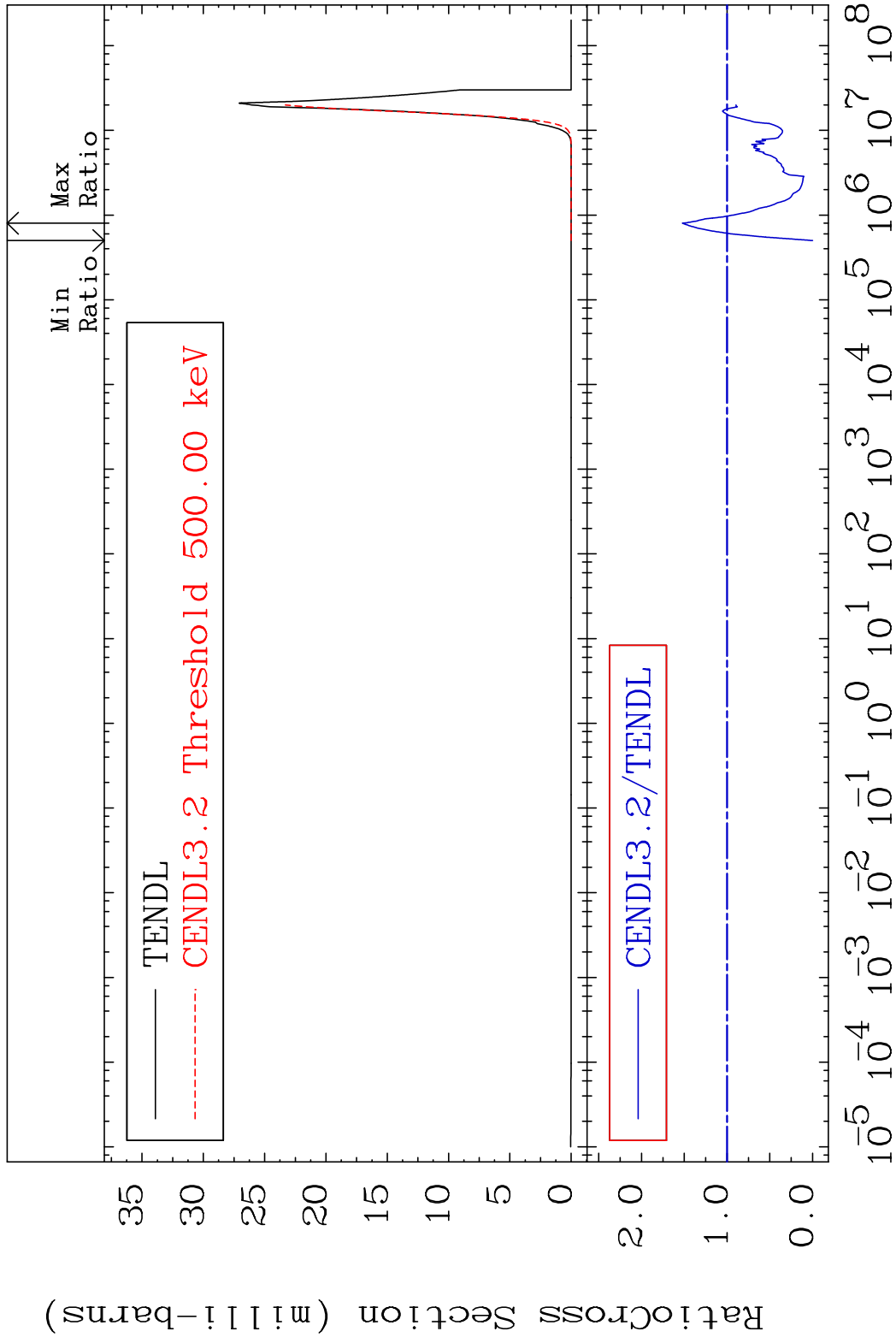
60-Nd-142

MAT 6025

(n, α)

60-Nd-142

Cross Section -100.0 To 52.28 %

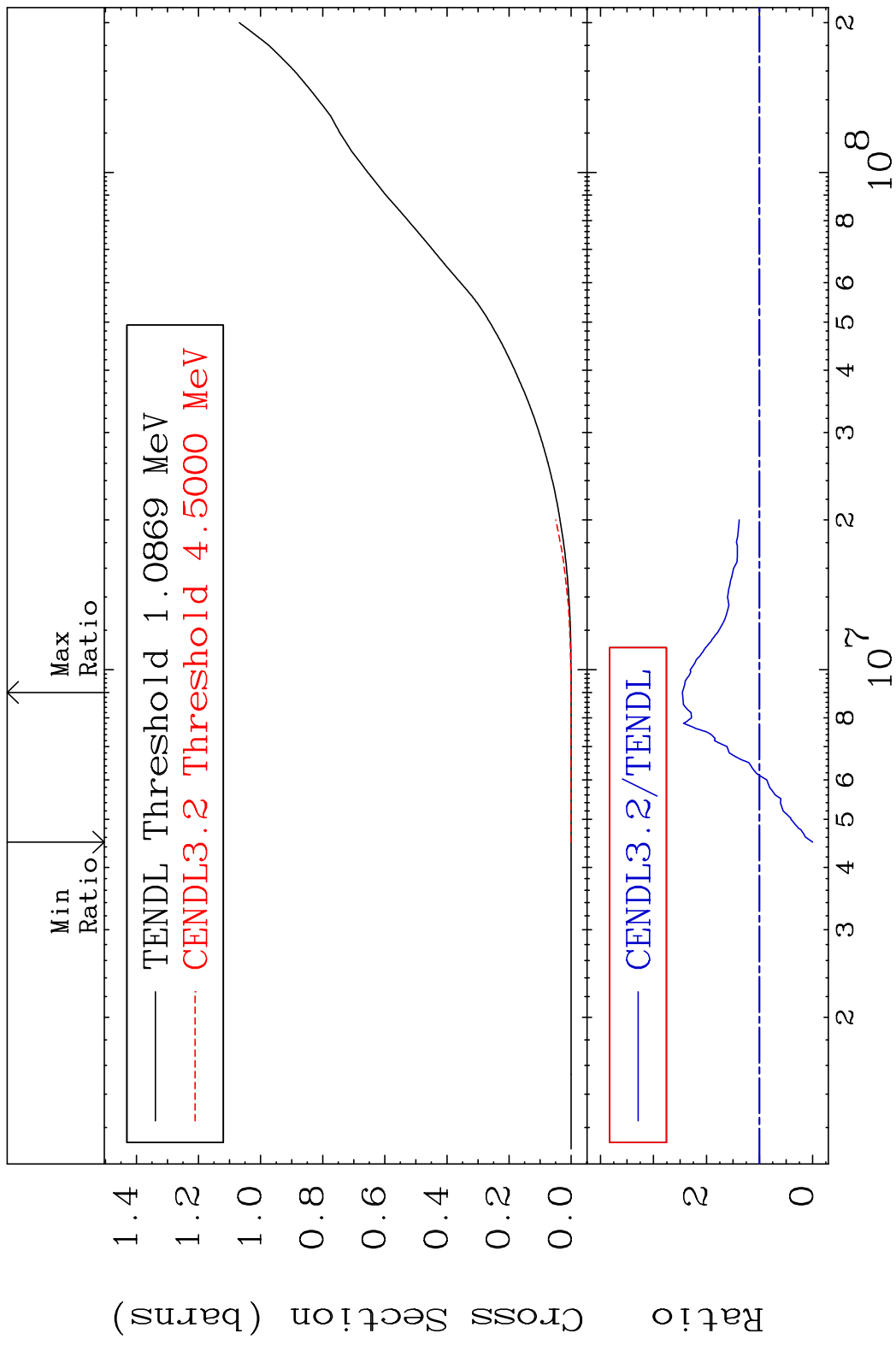


29

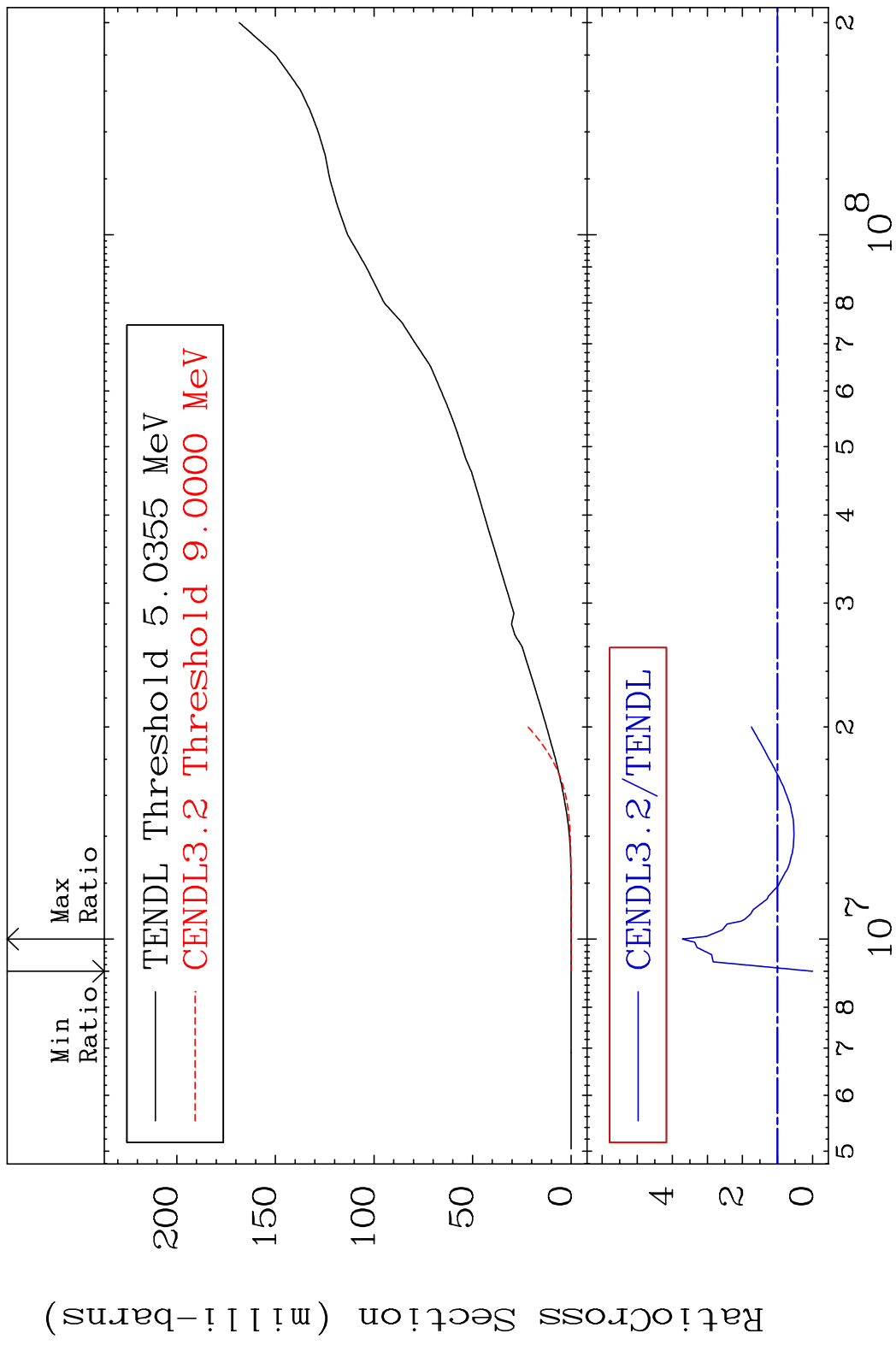
Incident Energy (eV)

60-Nd-142

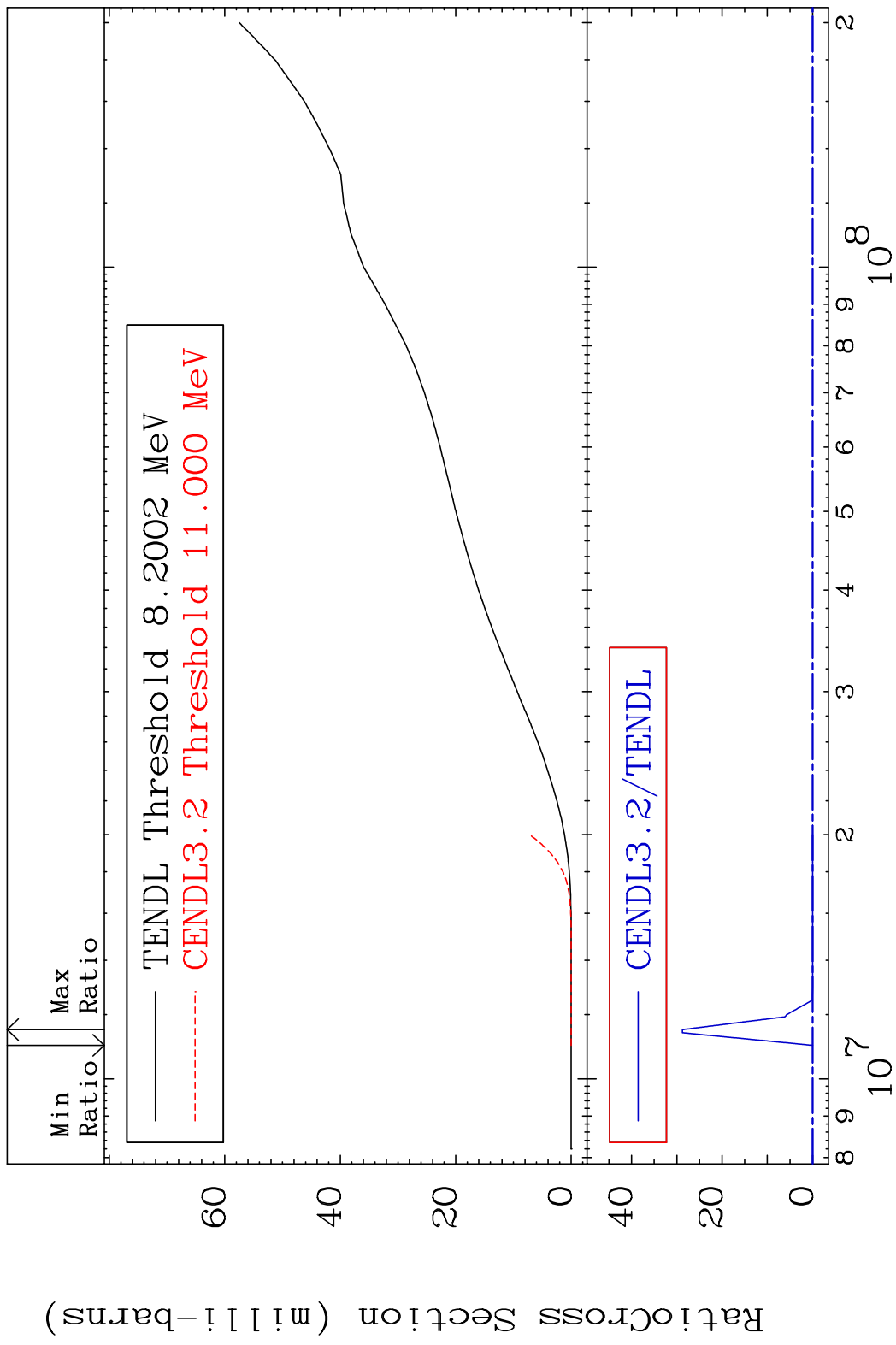
MAT 6025 Hydrogen Production 60-Nd-142
 Cross Section -100.0 To 145.6 %



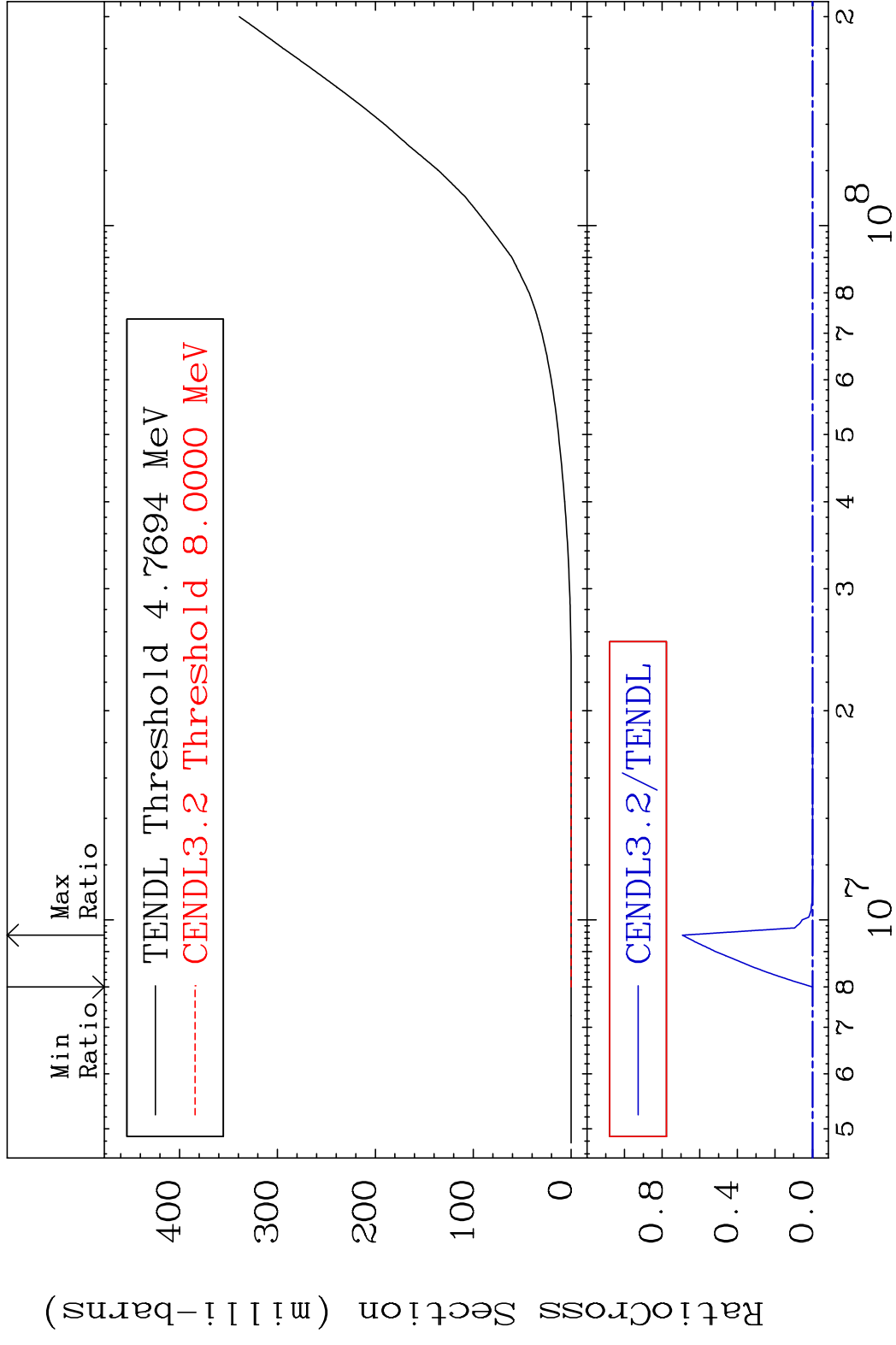
MAT 6025 Deuterium Production 60-Nd-142
 Cross Section -100.0 To 271.3 %



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



MAT 6025 He-3 Production 60-Nd-142
 Cross Section -100.0 To 9999. %

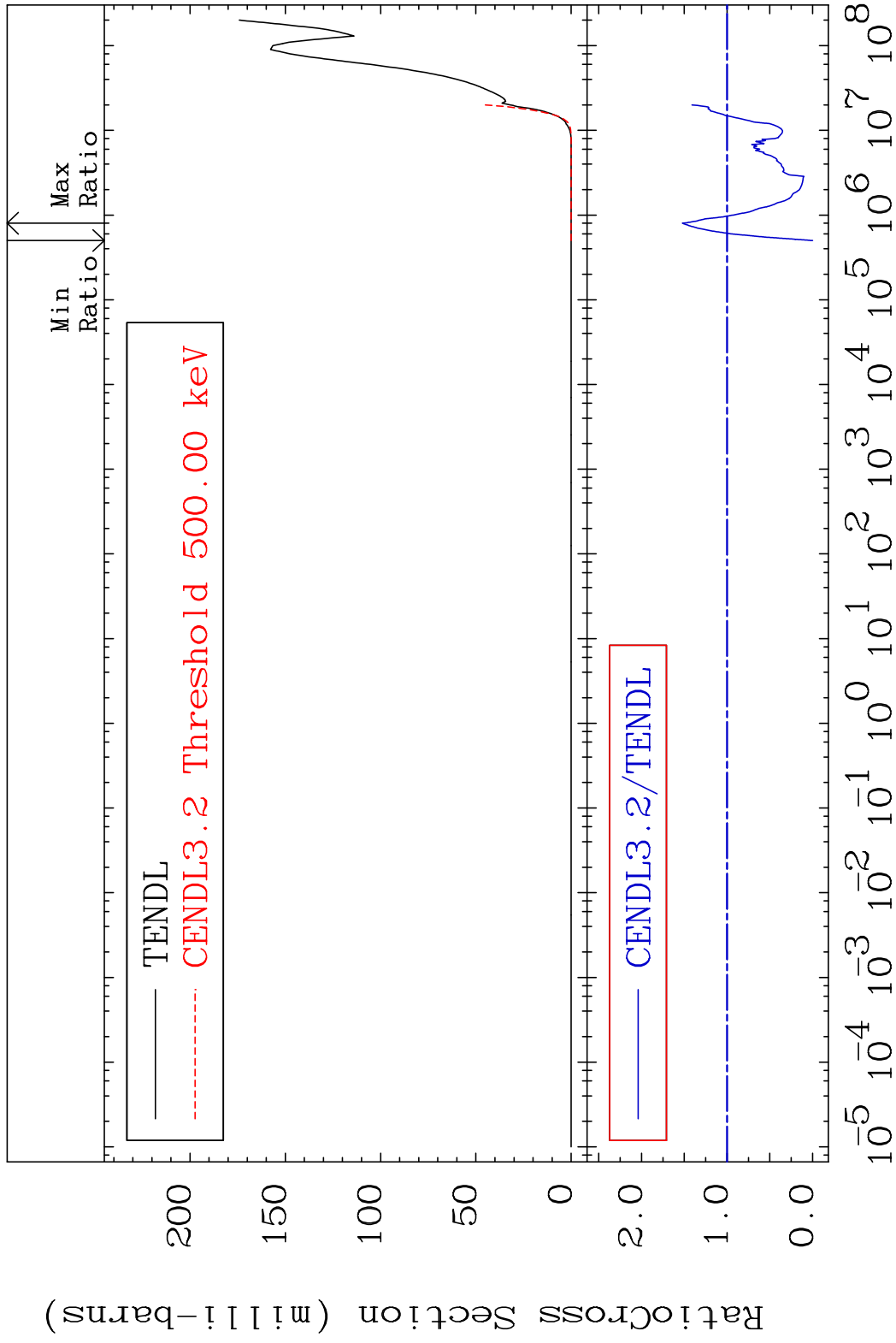


MAT 6025

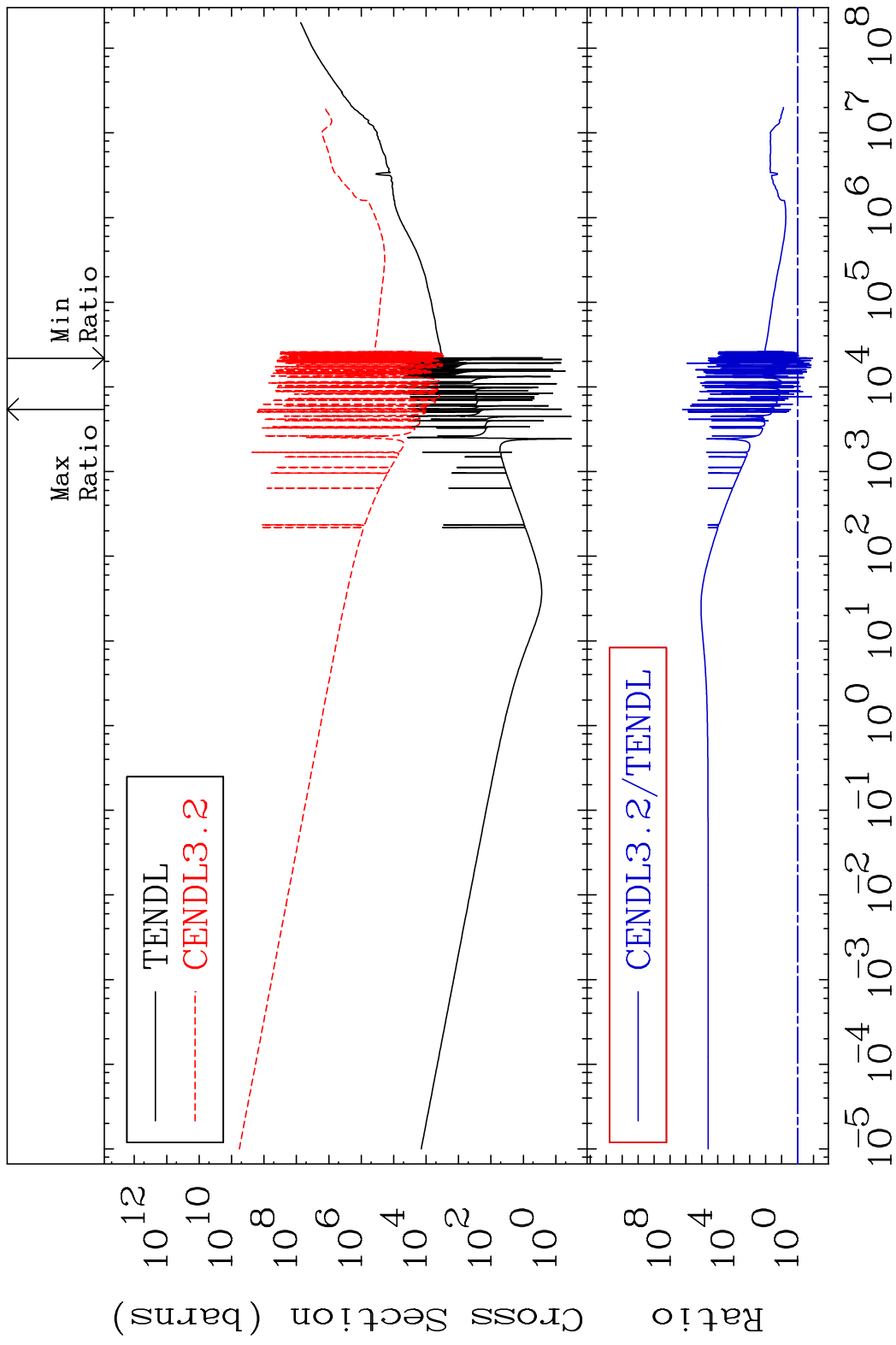
He-4 Production

60-Nd-142

Cross Section -100.0 To 52.28 %



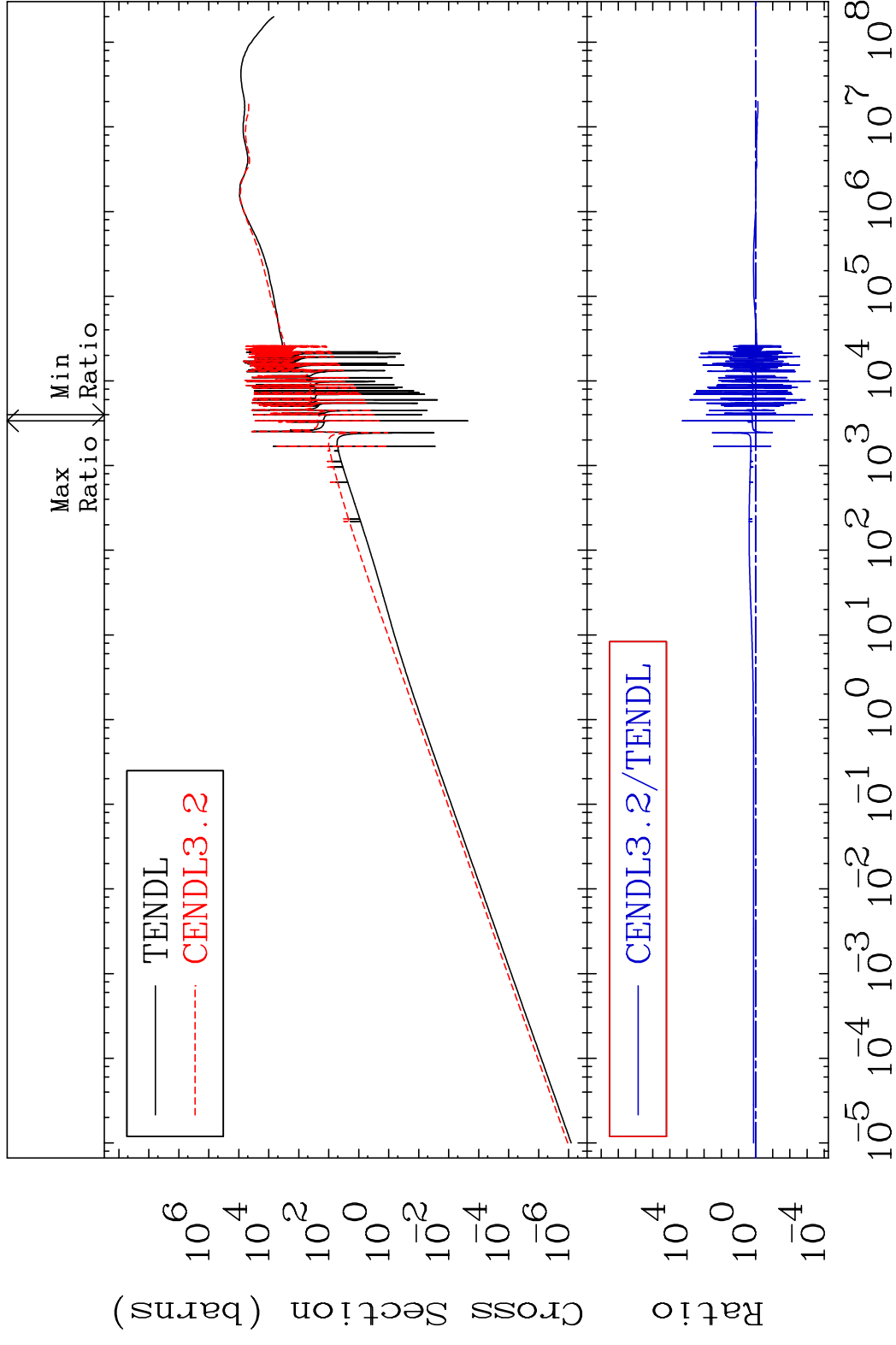
MAT 6025 Kerma total (eV-barns) 60-Nd-142
 Cross Section -88.63 To 9999. %



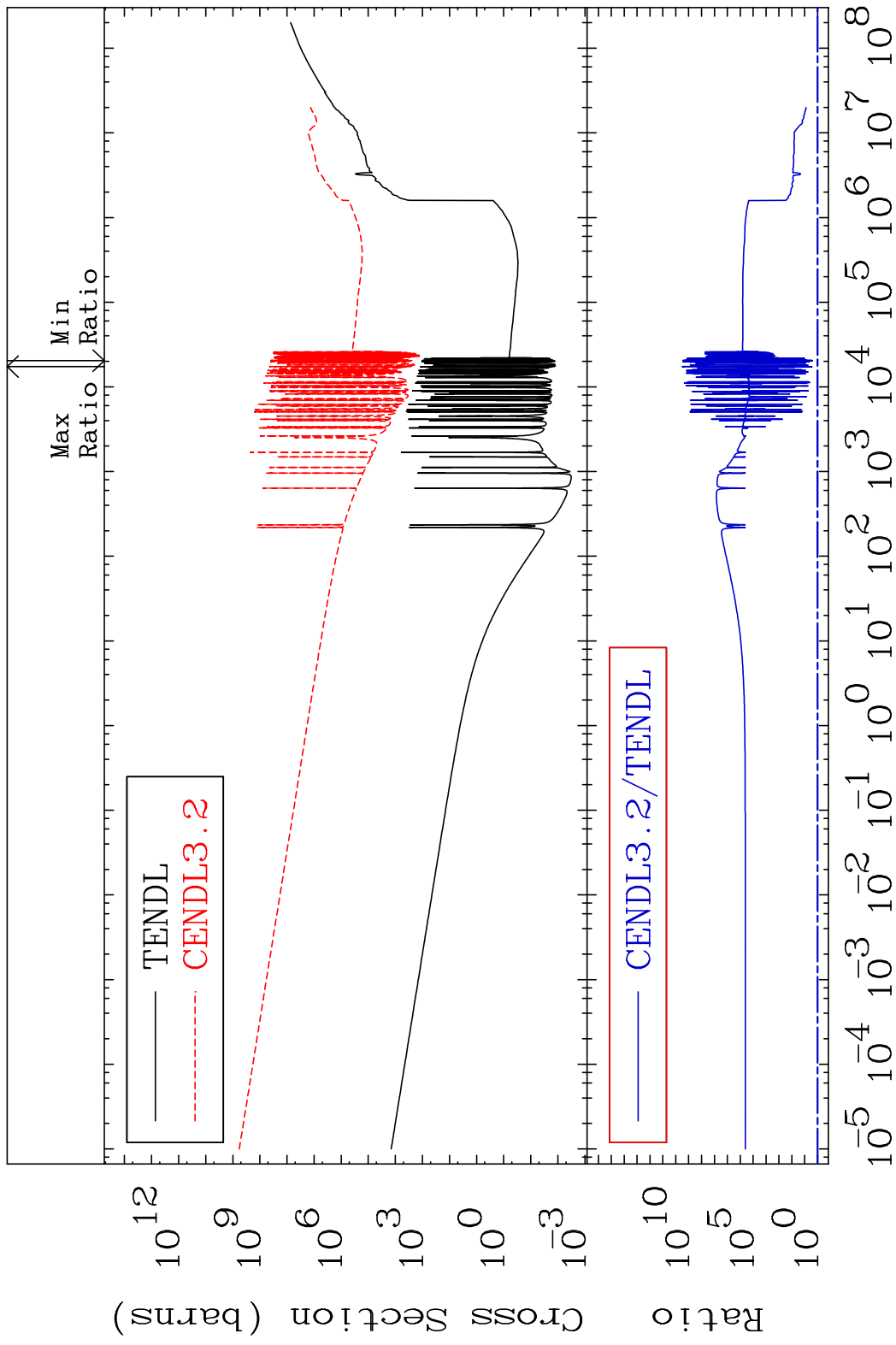
MAT 6025

Kerma elastic
Cross Section

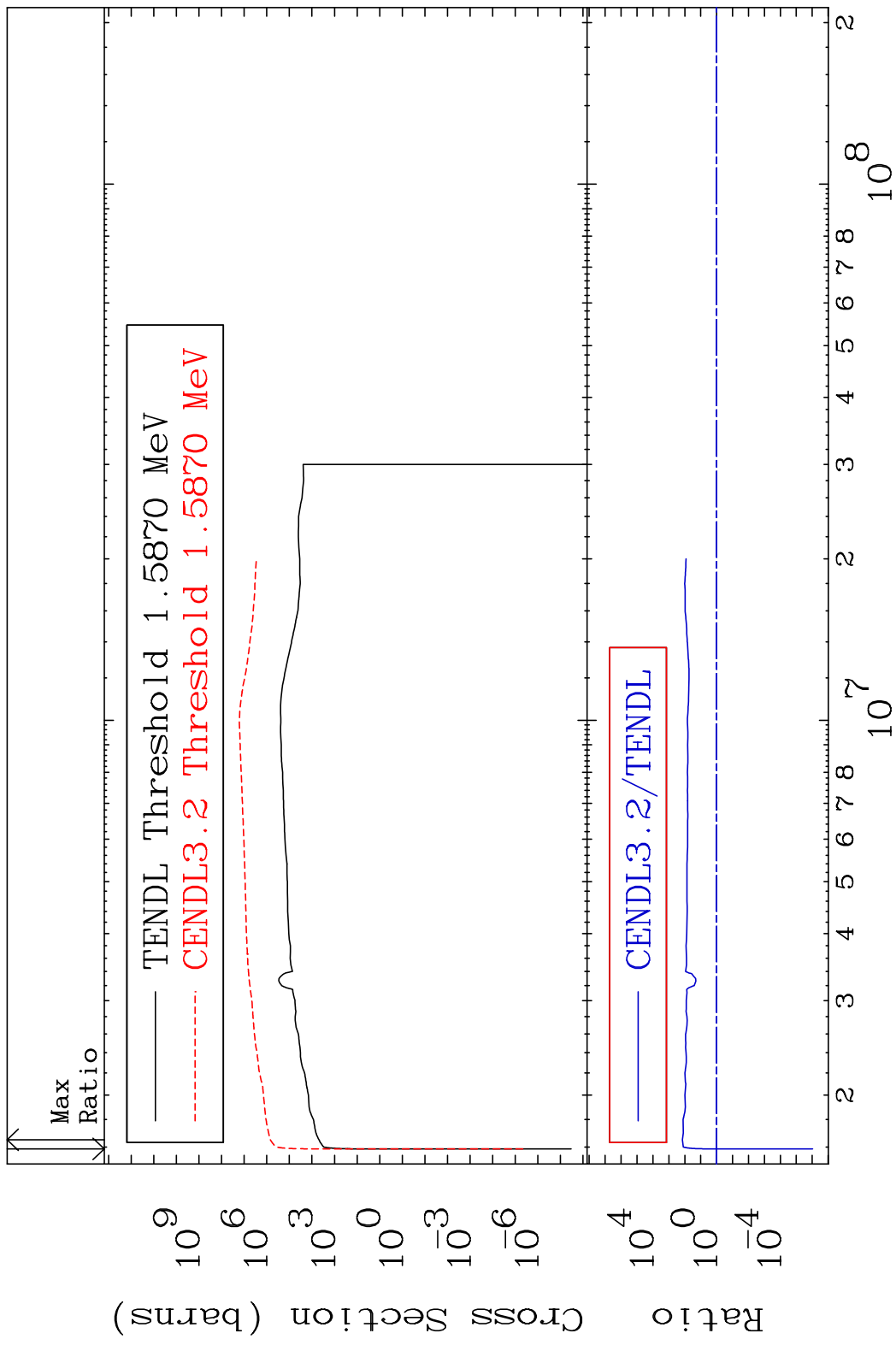
60-Nd-142
-99.95 To 9999. %



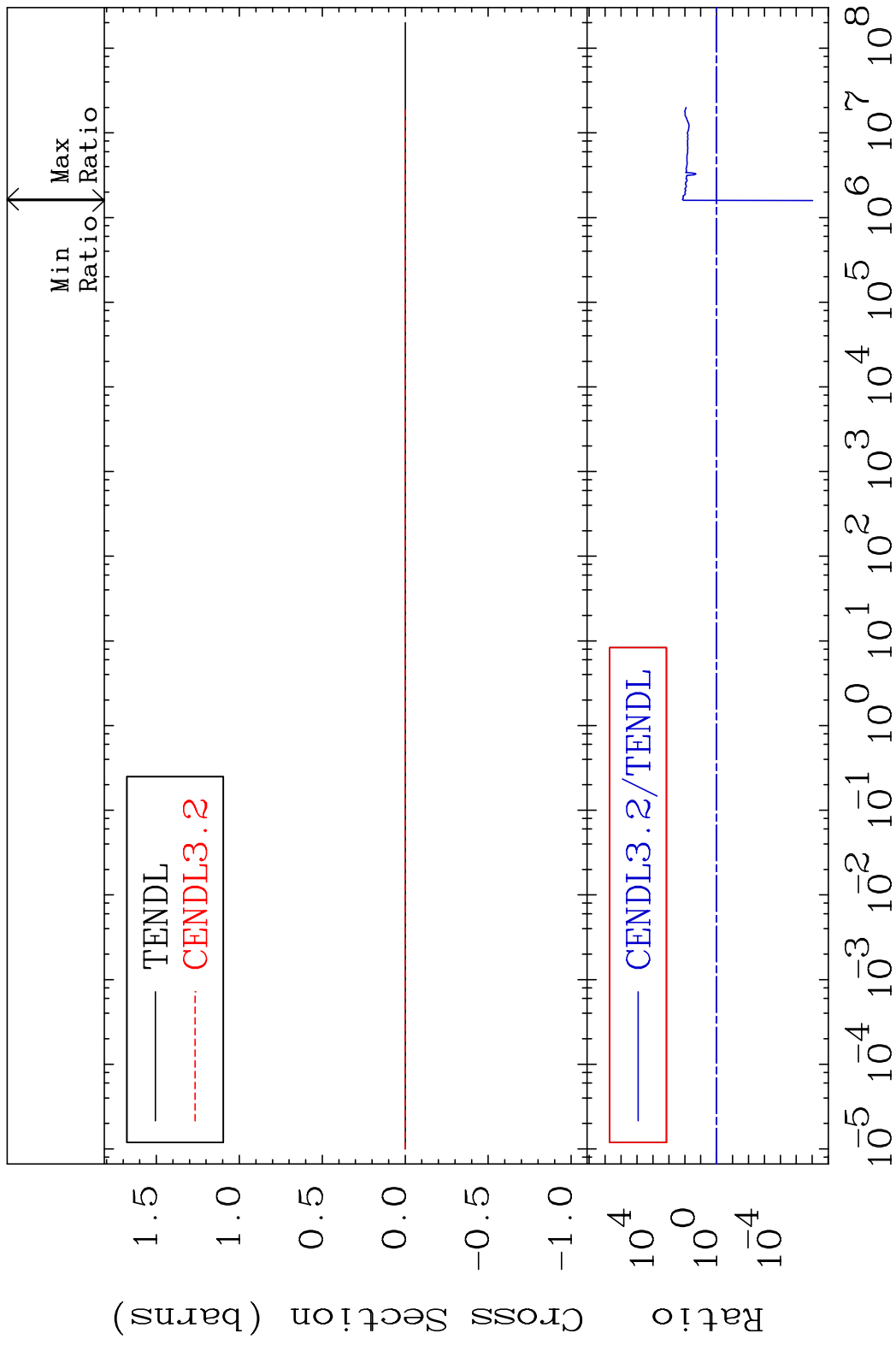
MAT 6025 Kerma non-elastic (all but mt2) 60-Nd-142
 Cross Section 145.7 To 9999. %



MAT 6025 Kerma inelastic (mt51-91) 60-Nd-142
 Cross Section -100.0 To 9999. %



MAT 6025 Kerma fission (mt18 or mt19-20-21-38) ⁶⁰Nd-142
 Cross Section -100.0 To 9999. %

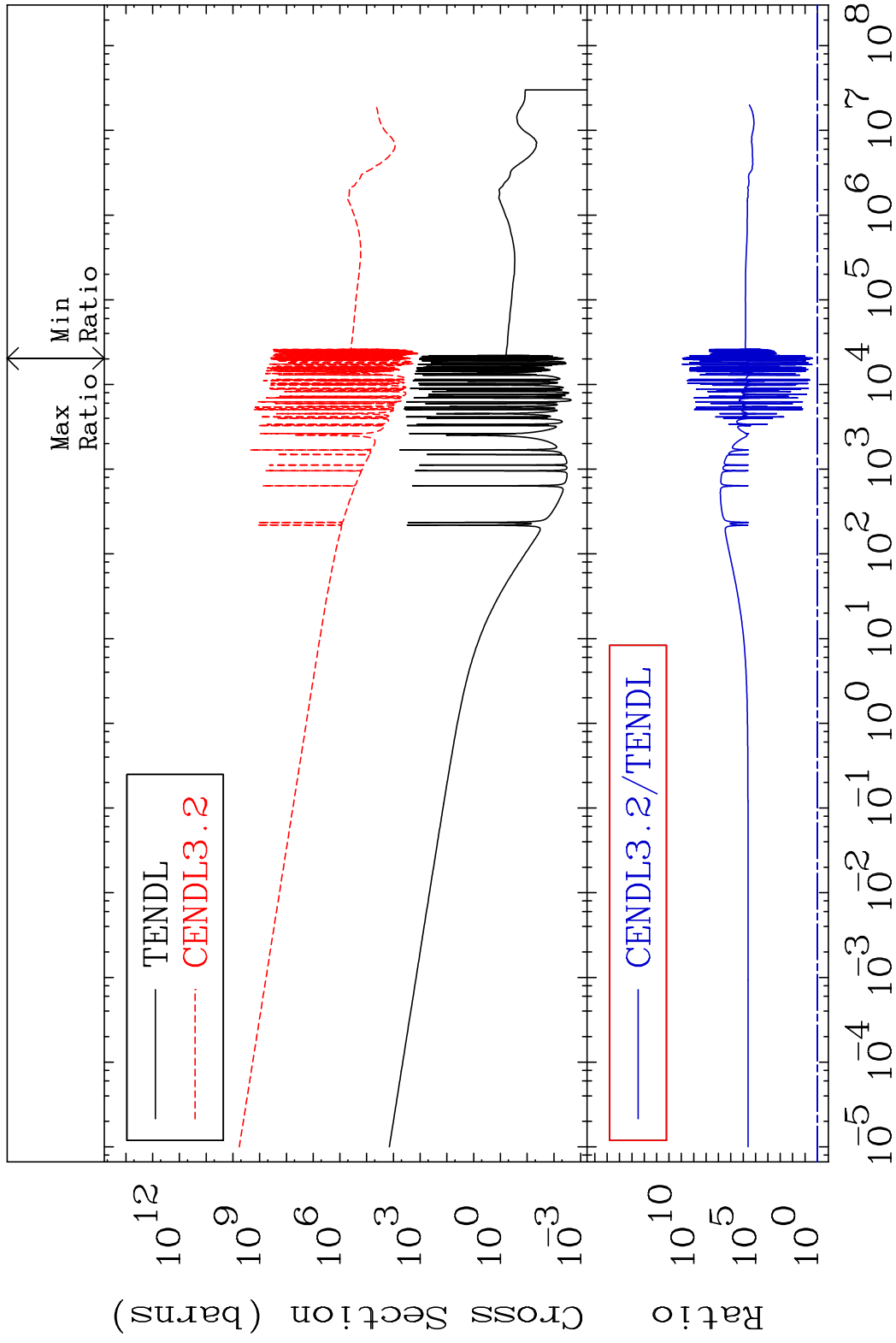


MAT 6025

Kerma capture (mt102)

60-Nd-142

Cross Section 145.7 To 9999. %

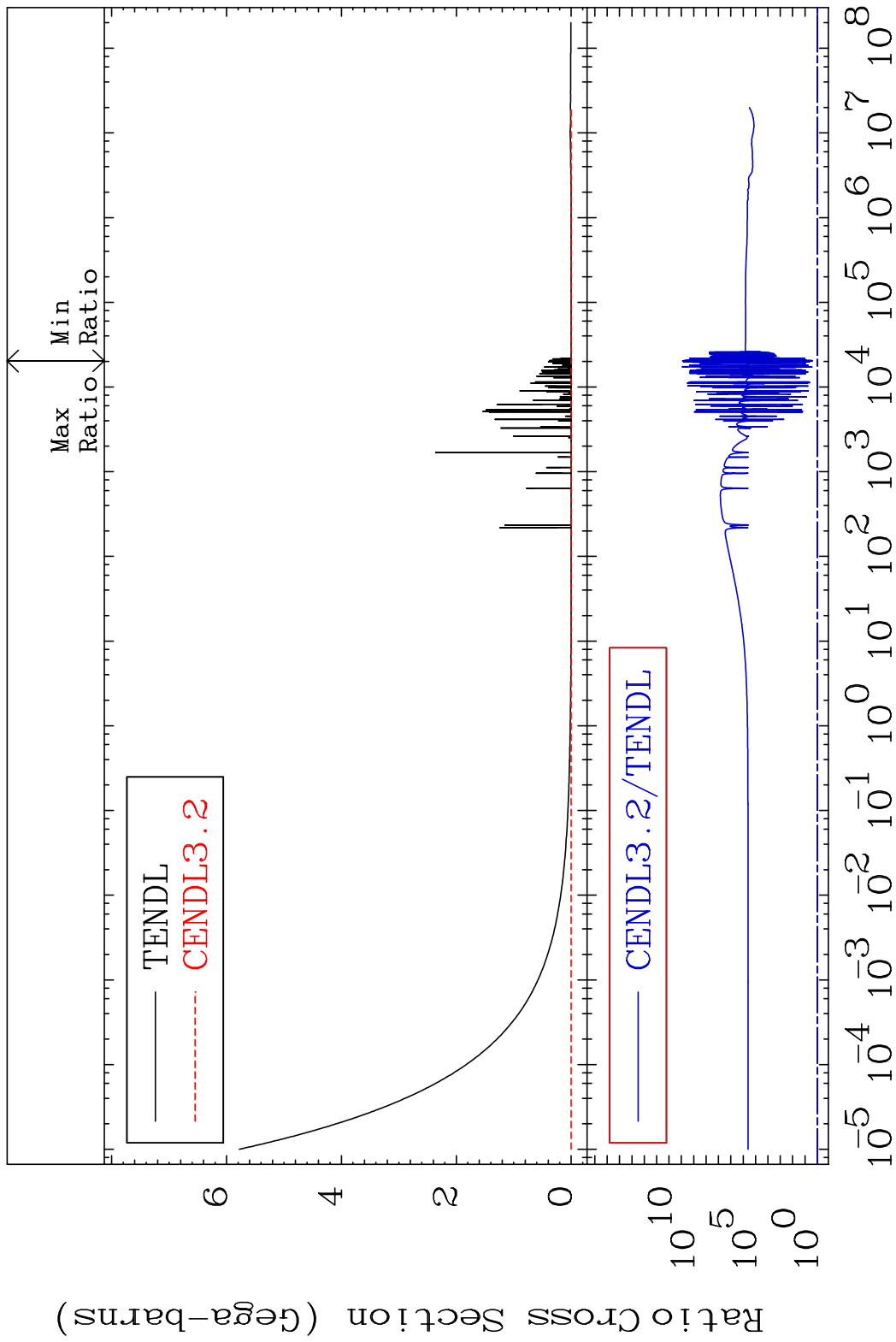


40

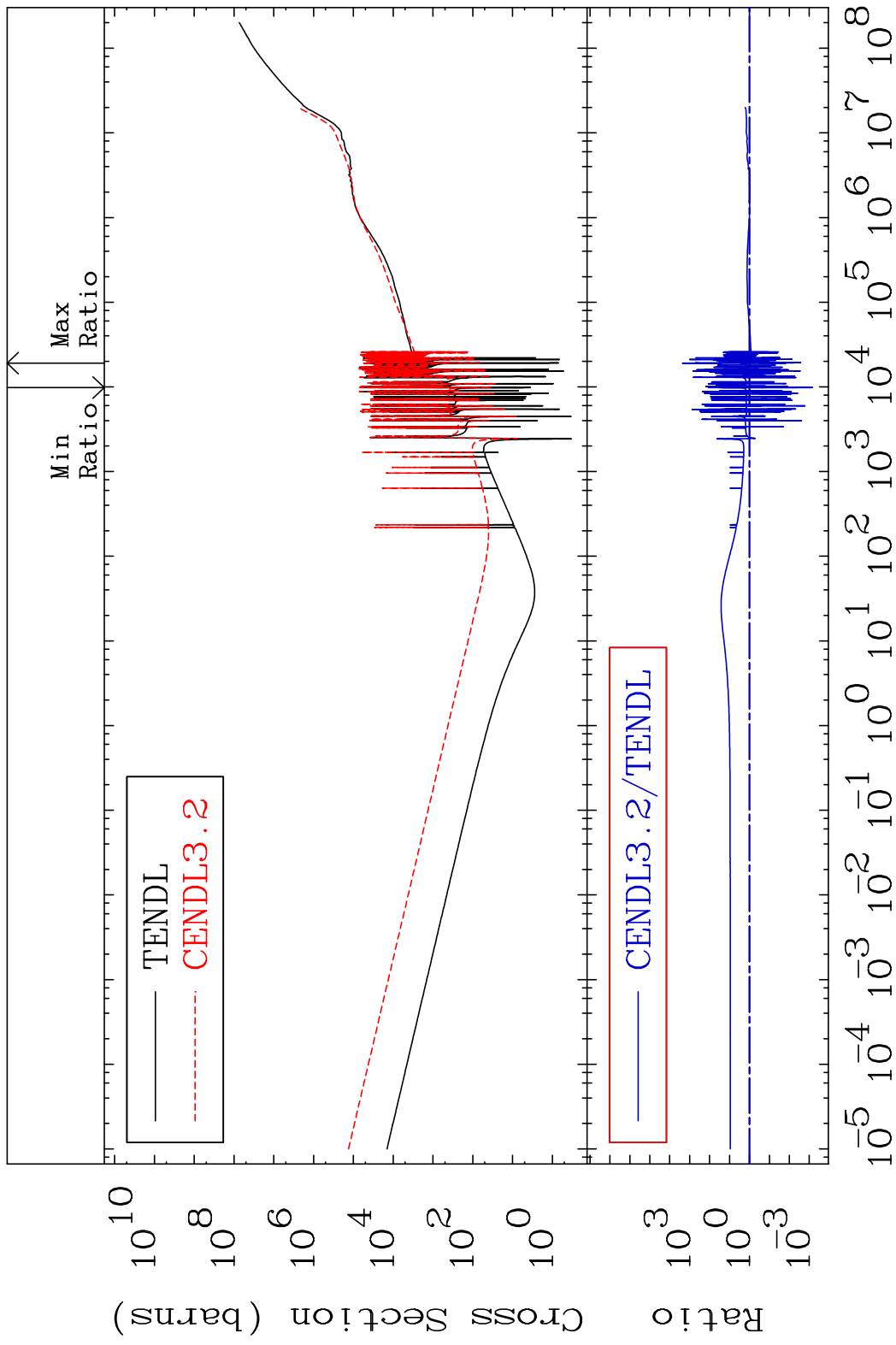
Incident Energy (eV)

60-Nd-142

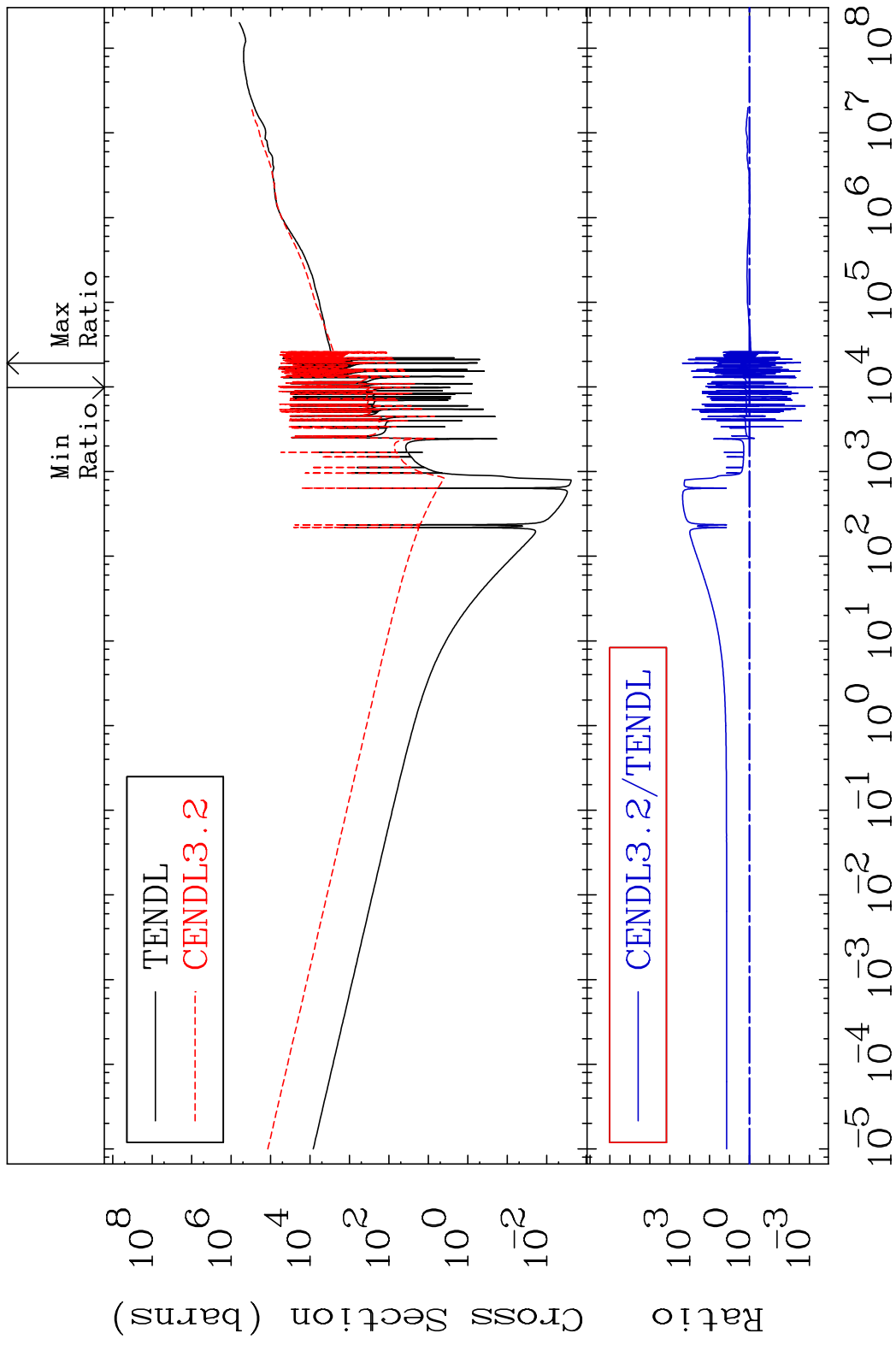
MAT 6025 Total photon (eV-barns) 60-Nd-142
 Cross Section 145.7 To 9999. %



MAT 6025 Total kinematic kerma (high limit) 60-Nd-142
 Cross Section -99.93 To 9999. %



MAT 6025 Dpa total (eV-barns) 60-Nd-142
 Cross Section -99.93 To 9999. %

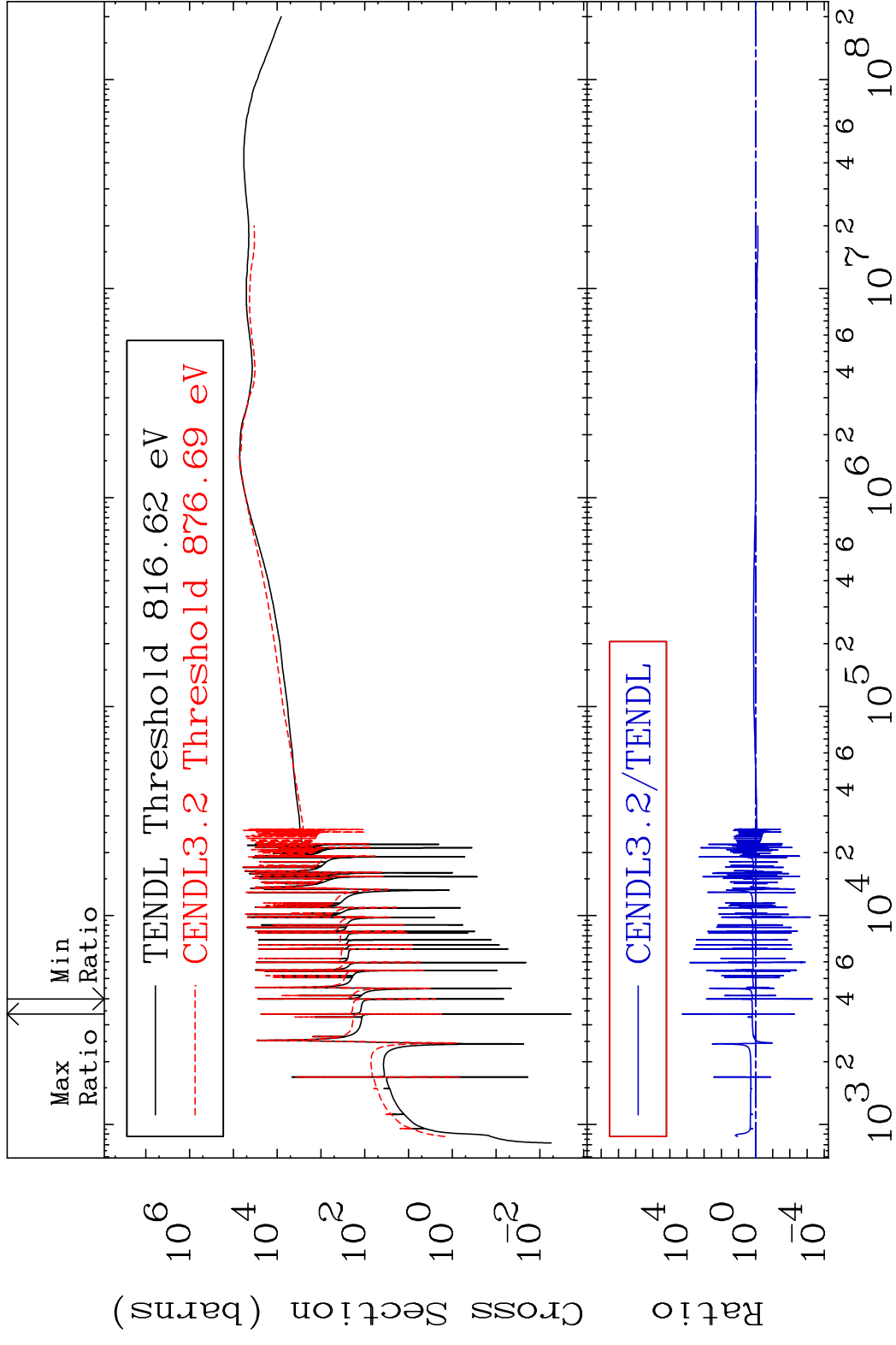


MAT 6025

Dpa elastic (mt2)

60-Nd-142

Cross Section -99.95 To 9999. %

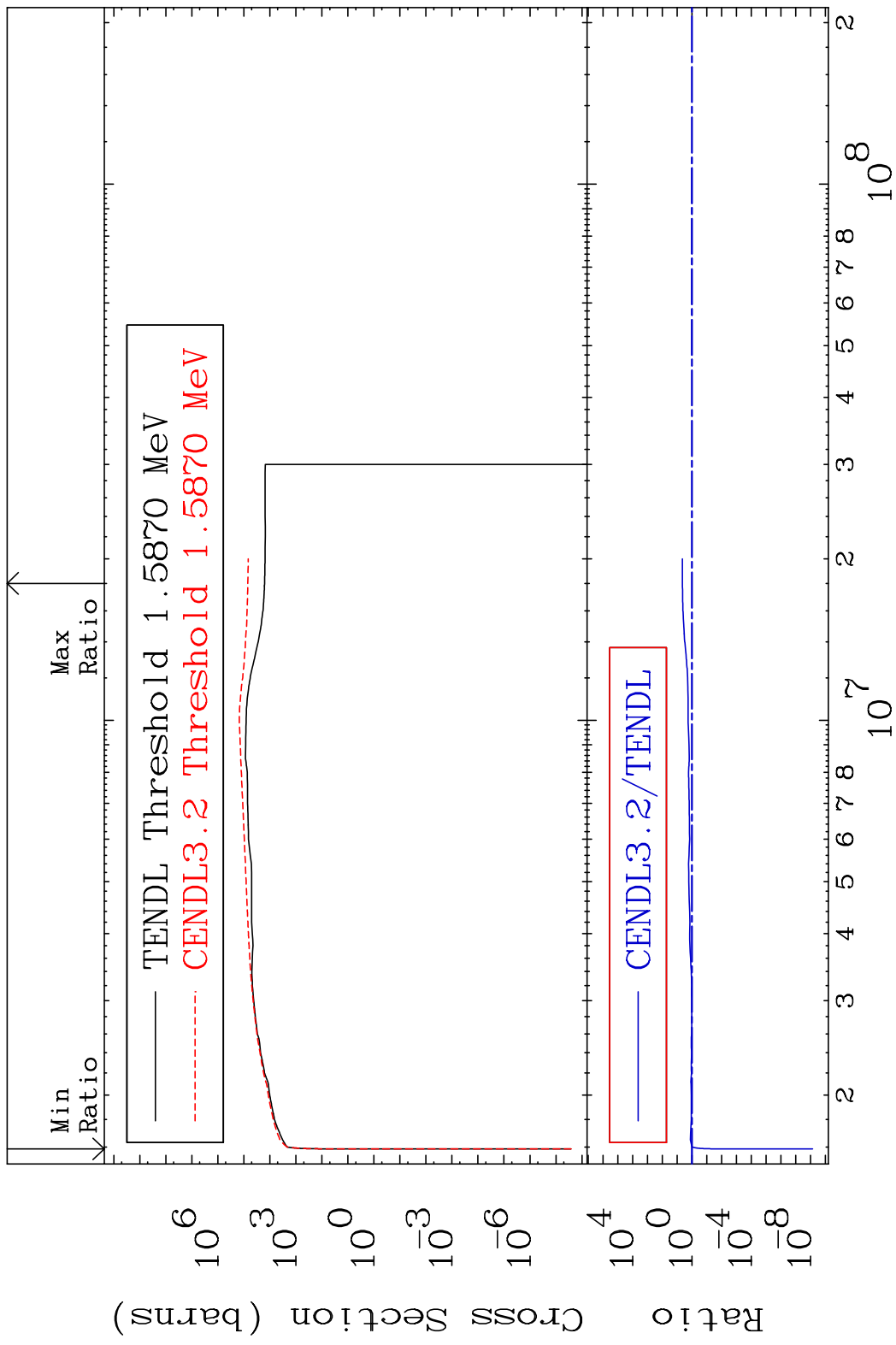


44

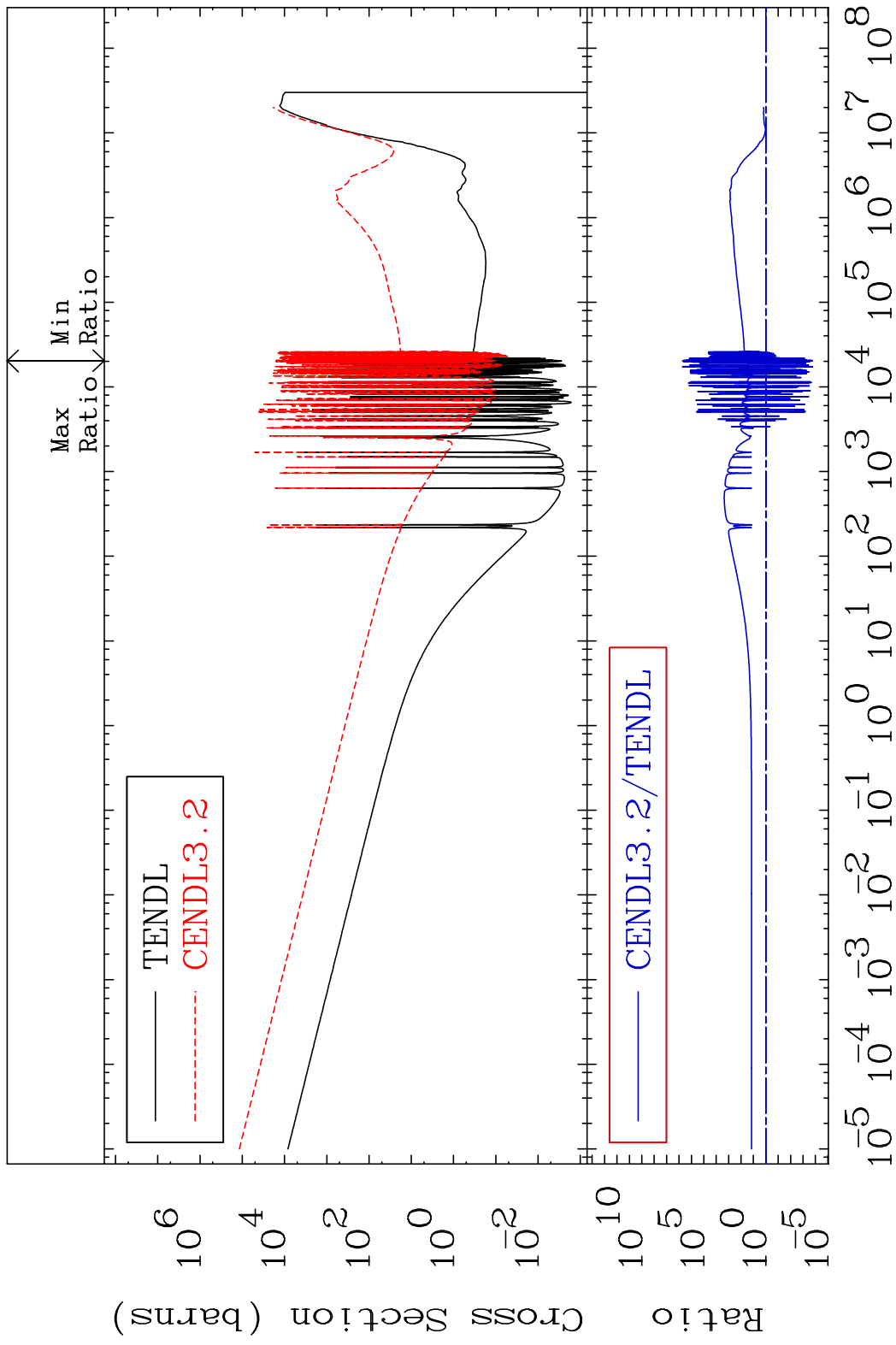
Incident Energy (eV)

60-Nd-142

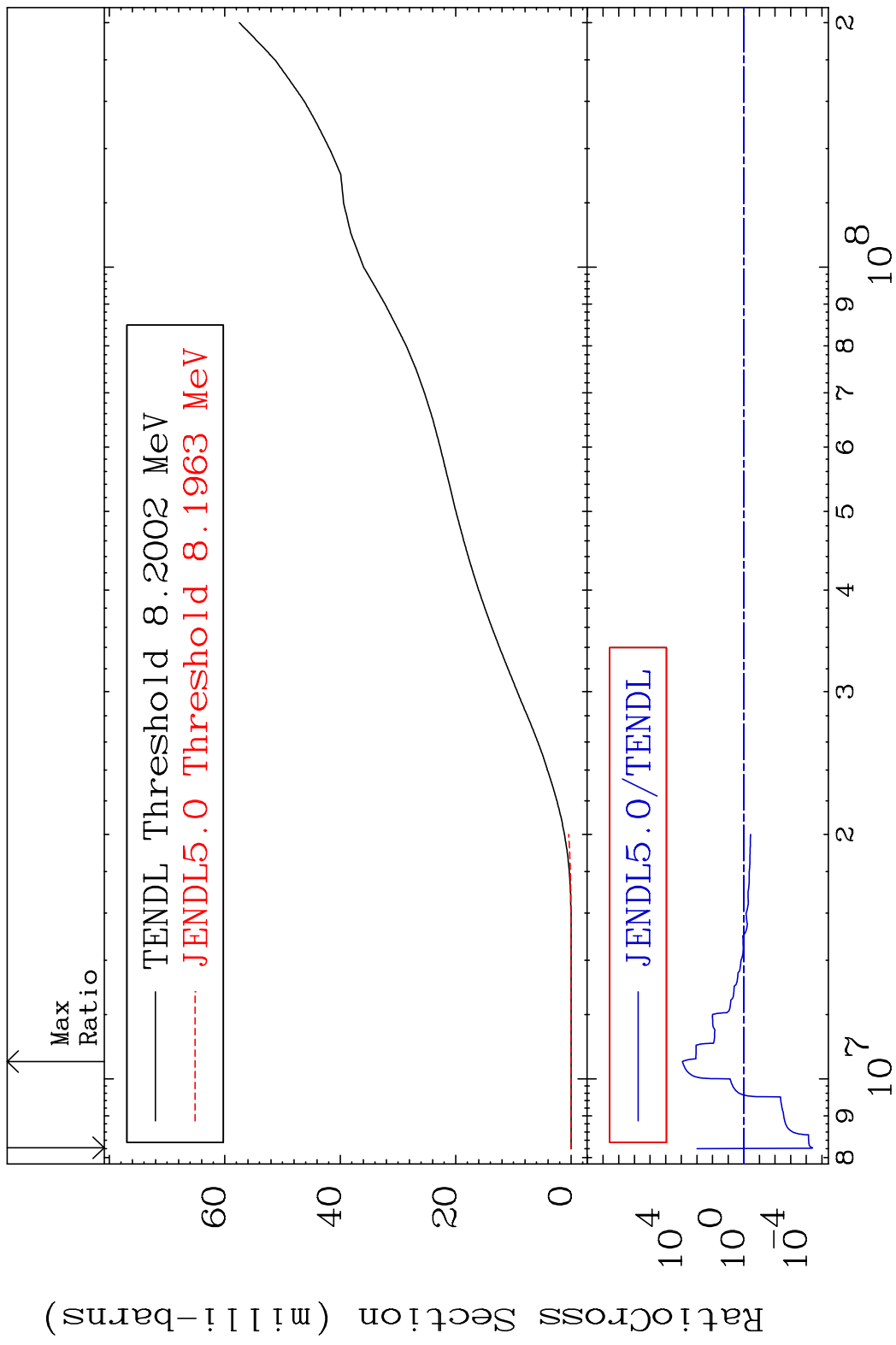
MAT 6025 Dpa inelastic (mt51-91) 60-Nd-142
 Cross Section -100.0 To 346.7 %



MAT 6025 Dpa disappearance (mt102 -120) 60-Nd-142
 Cross Section -99.98 To 9999. %



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



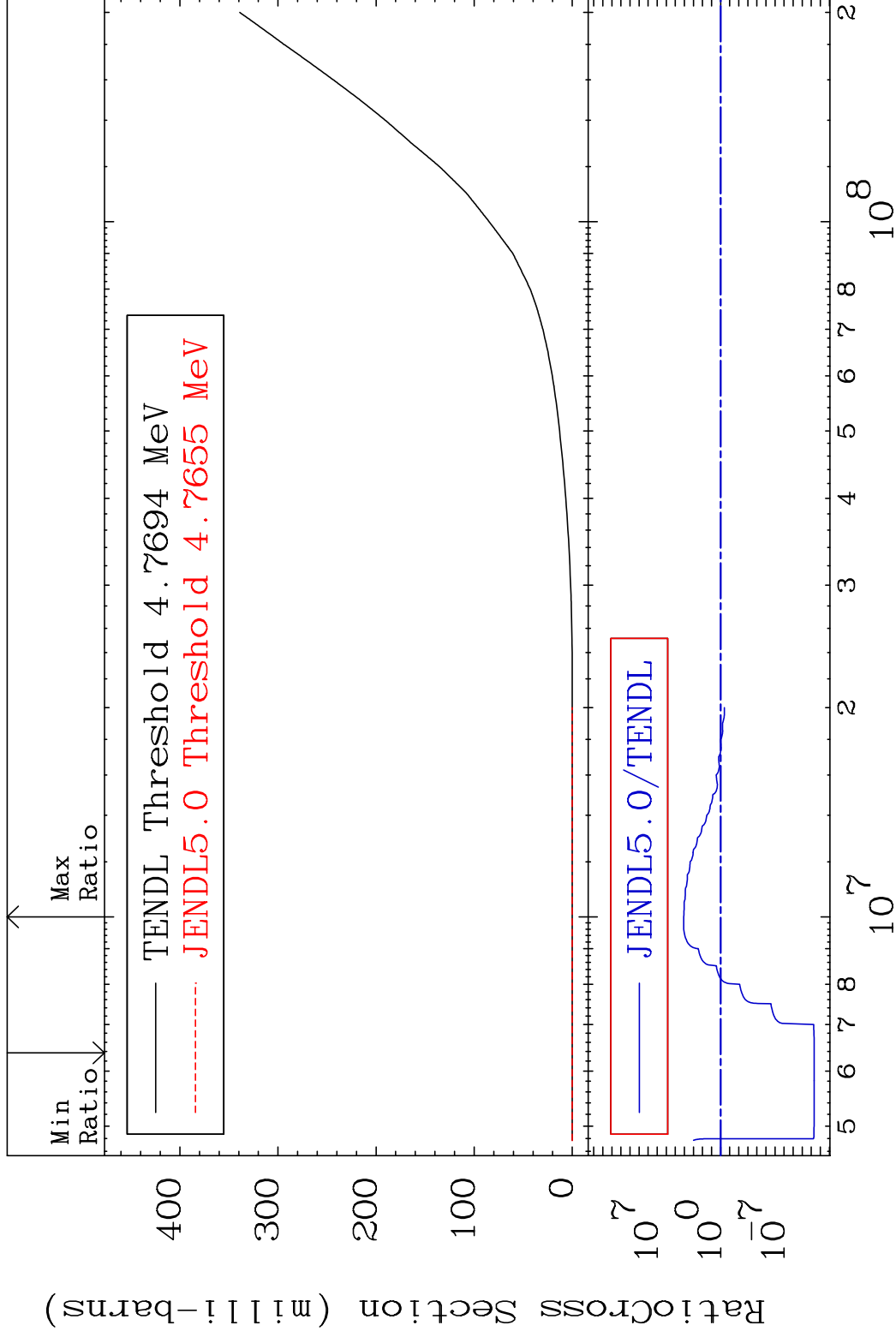
47 Incident Energy (eV) 60-Nd-142

MAT 6025

He-3 Production

60-Nd-142

Cross Section -100.0 To 9999. %



48

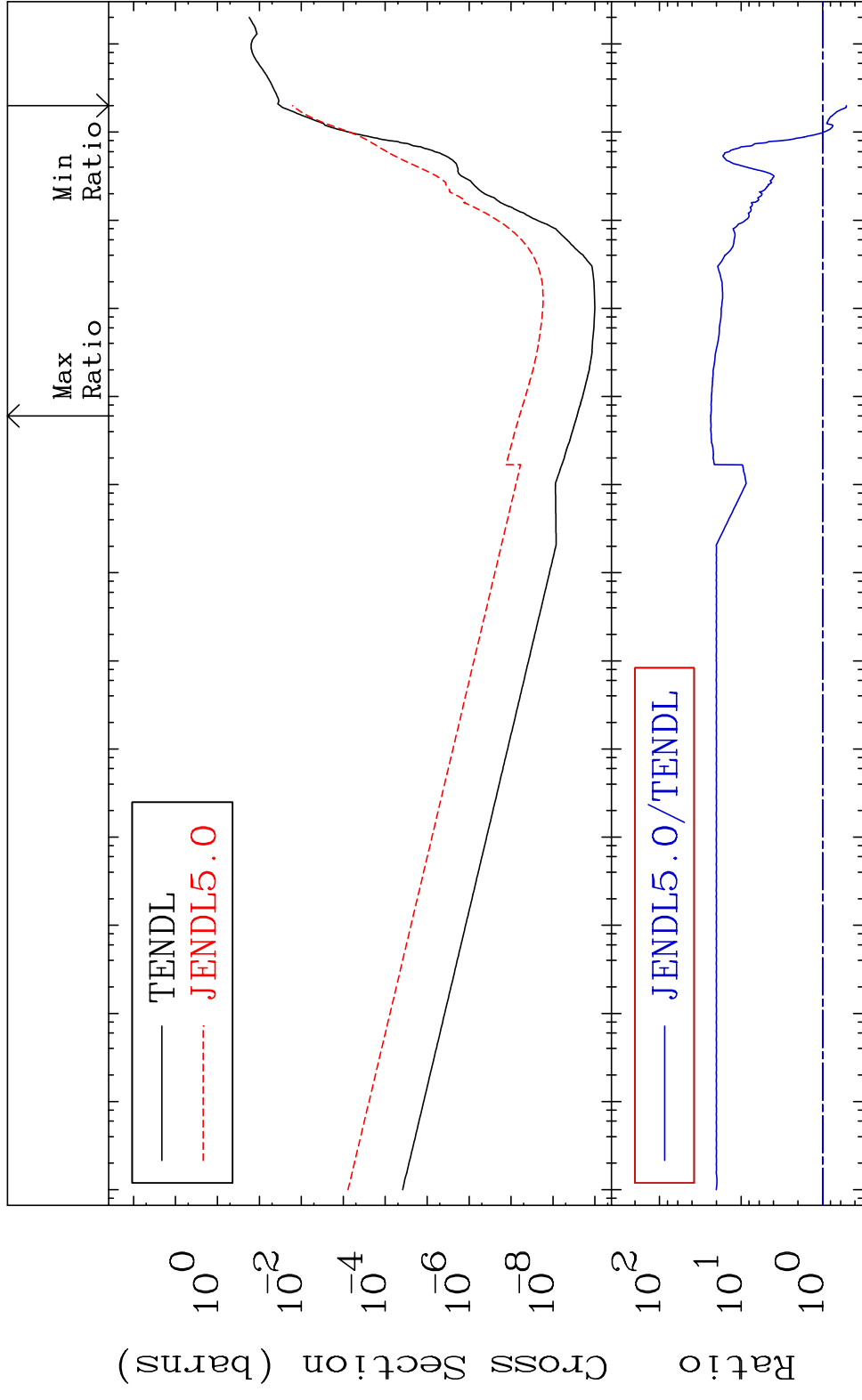
Incident Energy (eV)

60-Nd-142

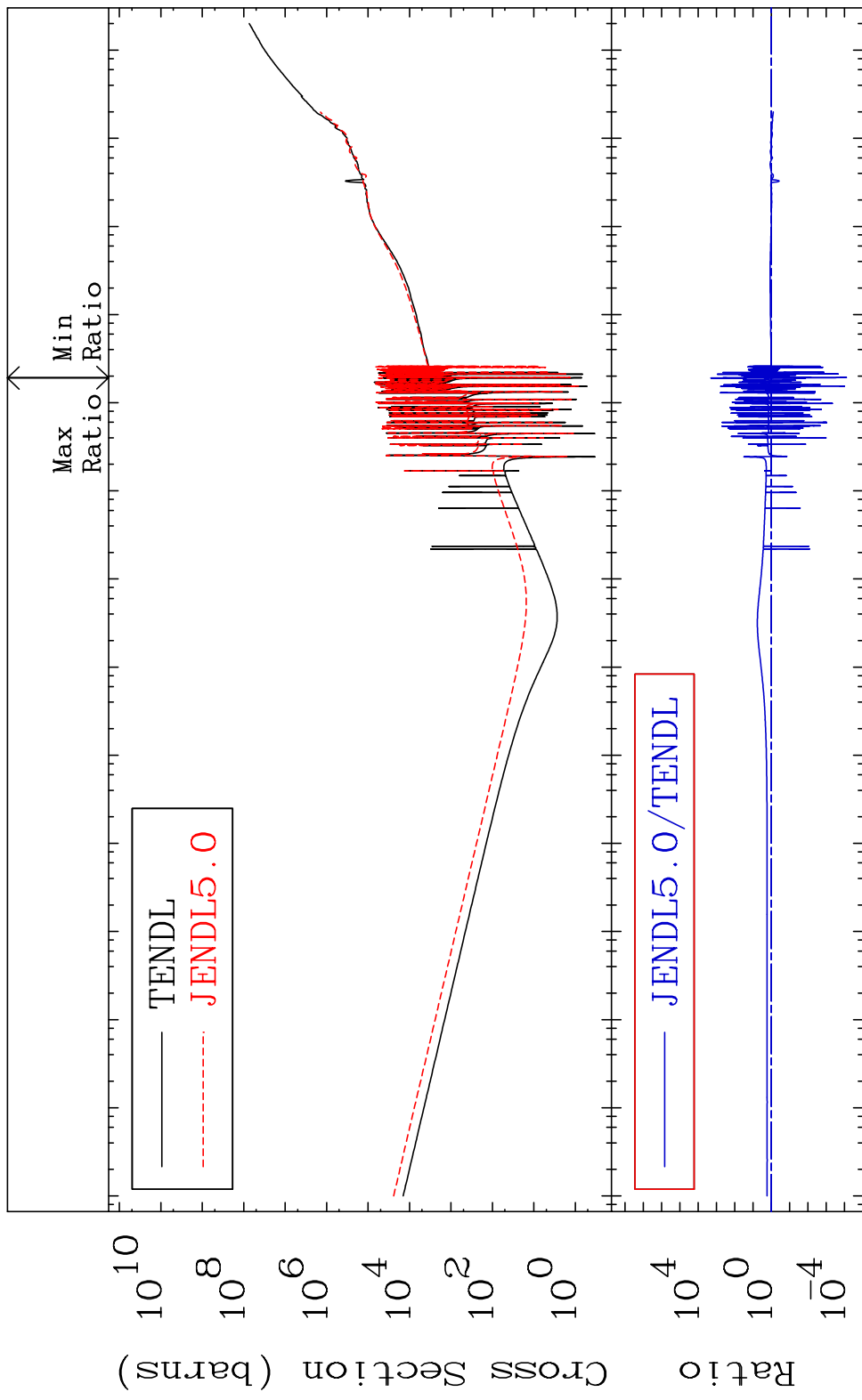
MAT 6025

He-4 Production
Cross Section

60-Nd-142
-48.92 To 2256. %



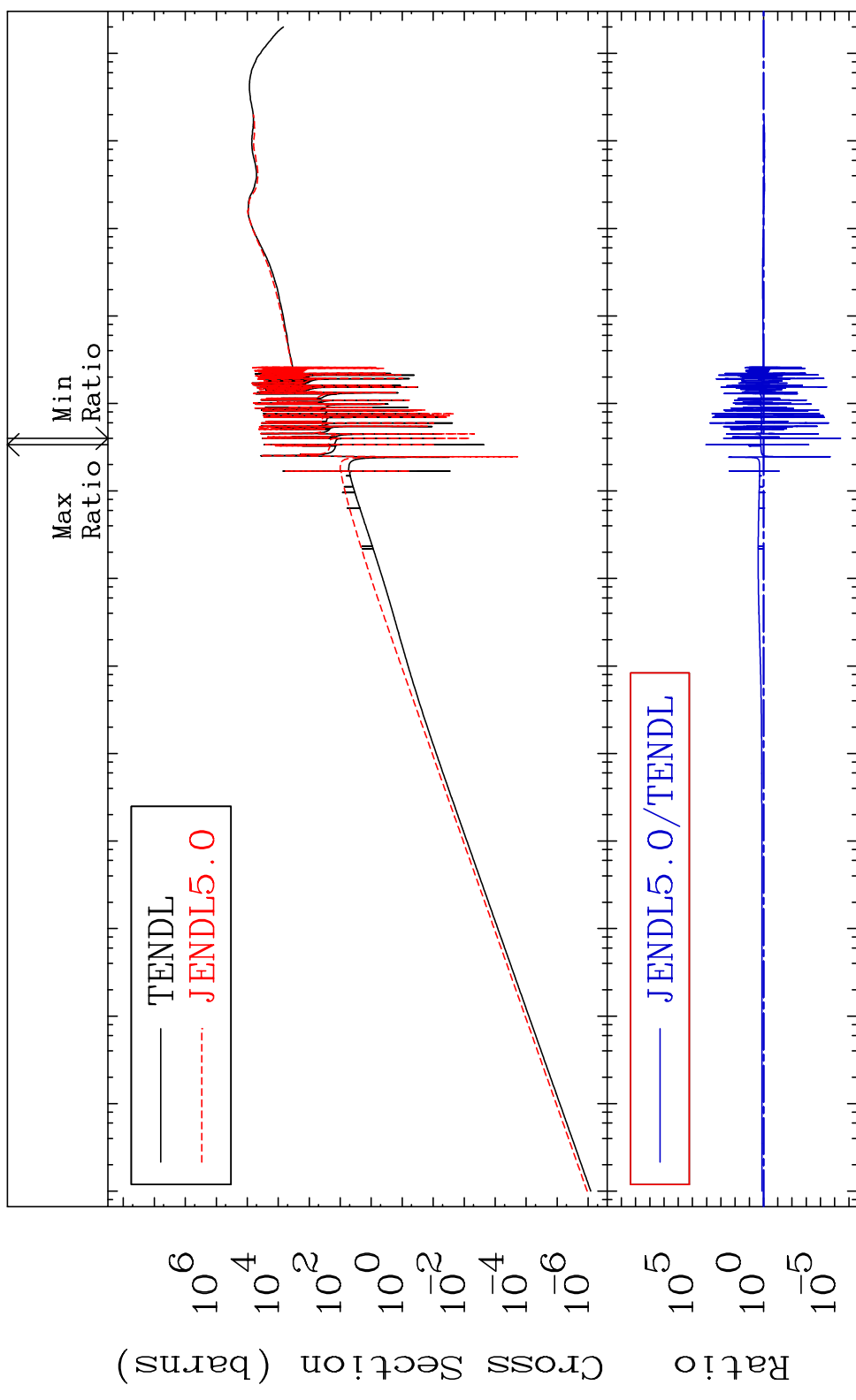
MAT 6025 Kerma total (eV-barns) 60-Nd-142
 Cross Section -99.99 To 9999. %



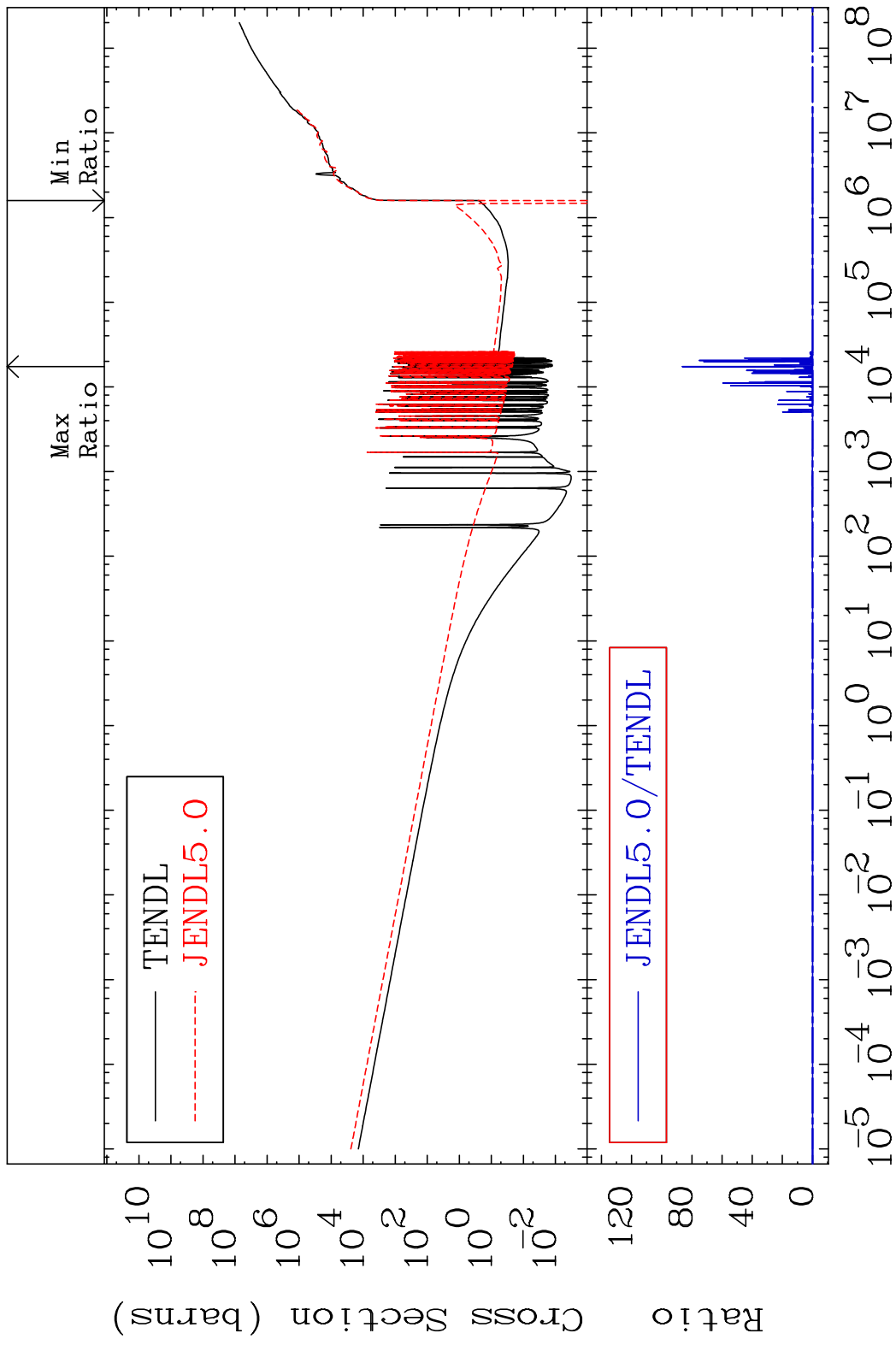
50 Incident Energy (eV) 60-Nd-142

MAT 6025

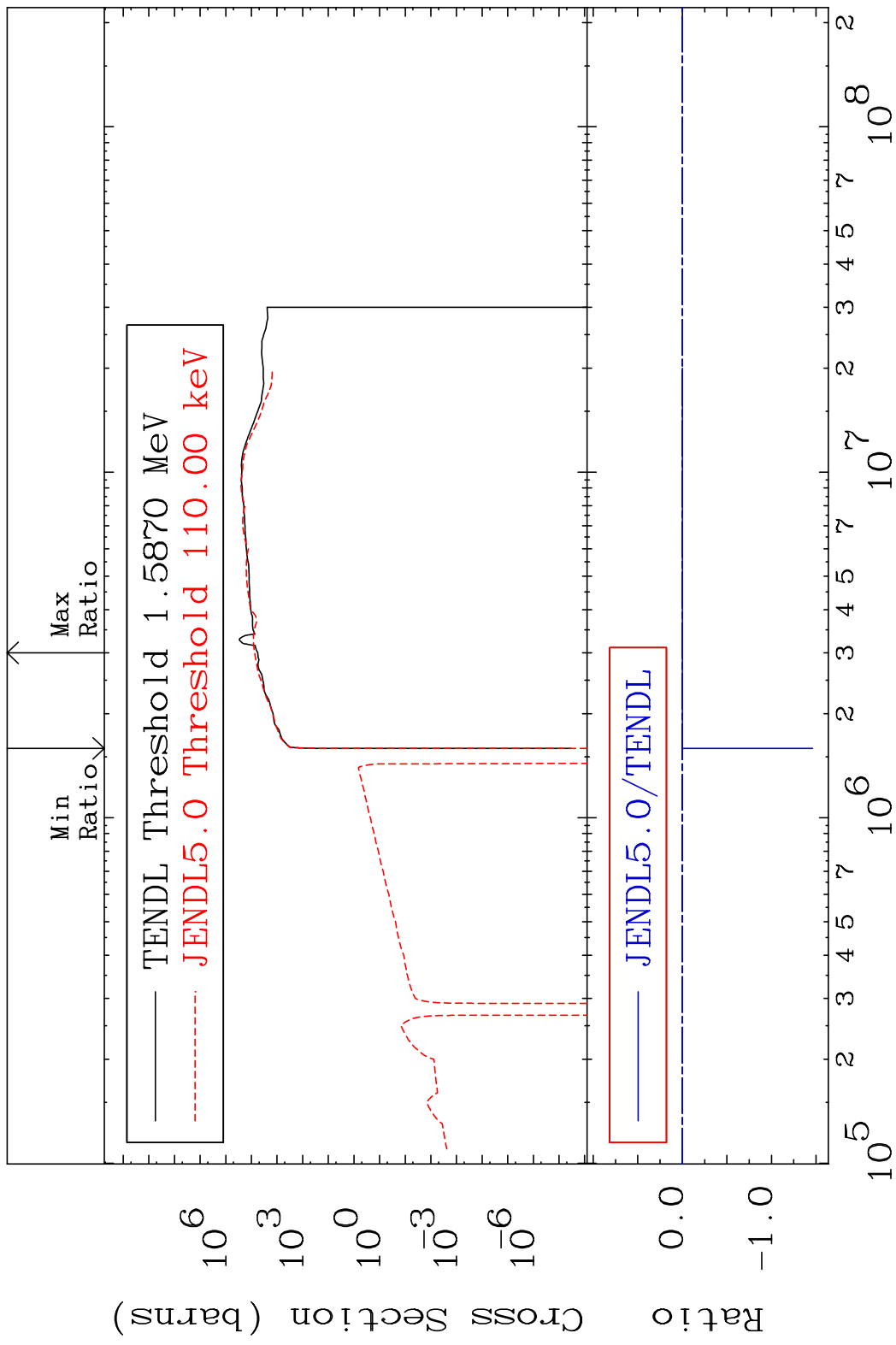
Kerma elastic
Cross Section -100.0 To 9999. %
60-Nd-142



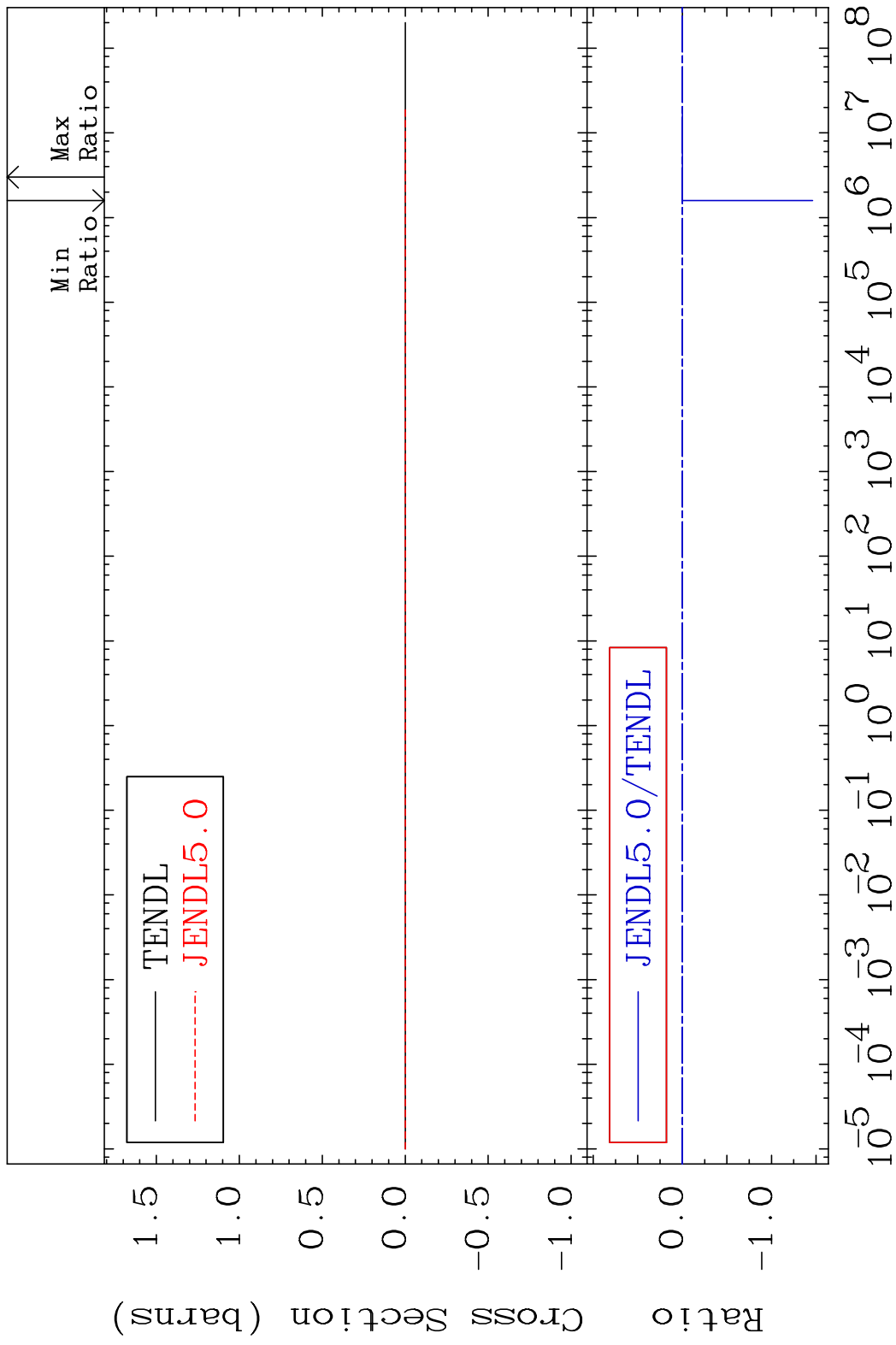
MAT 6025 Kerma non-elastic (all but mt2) 60-Nd-142
 Cross Section -1621. To 9999. %



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

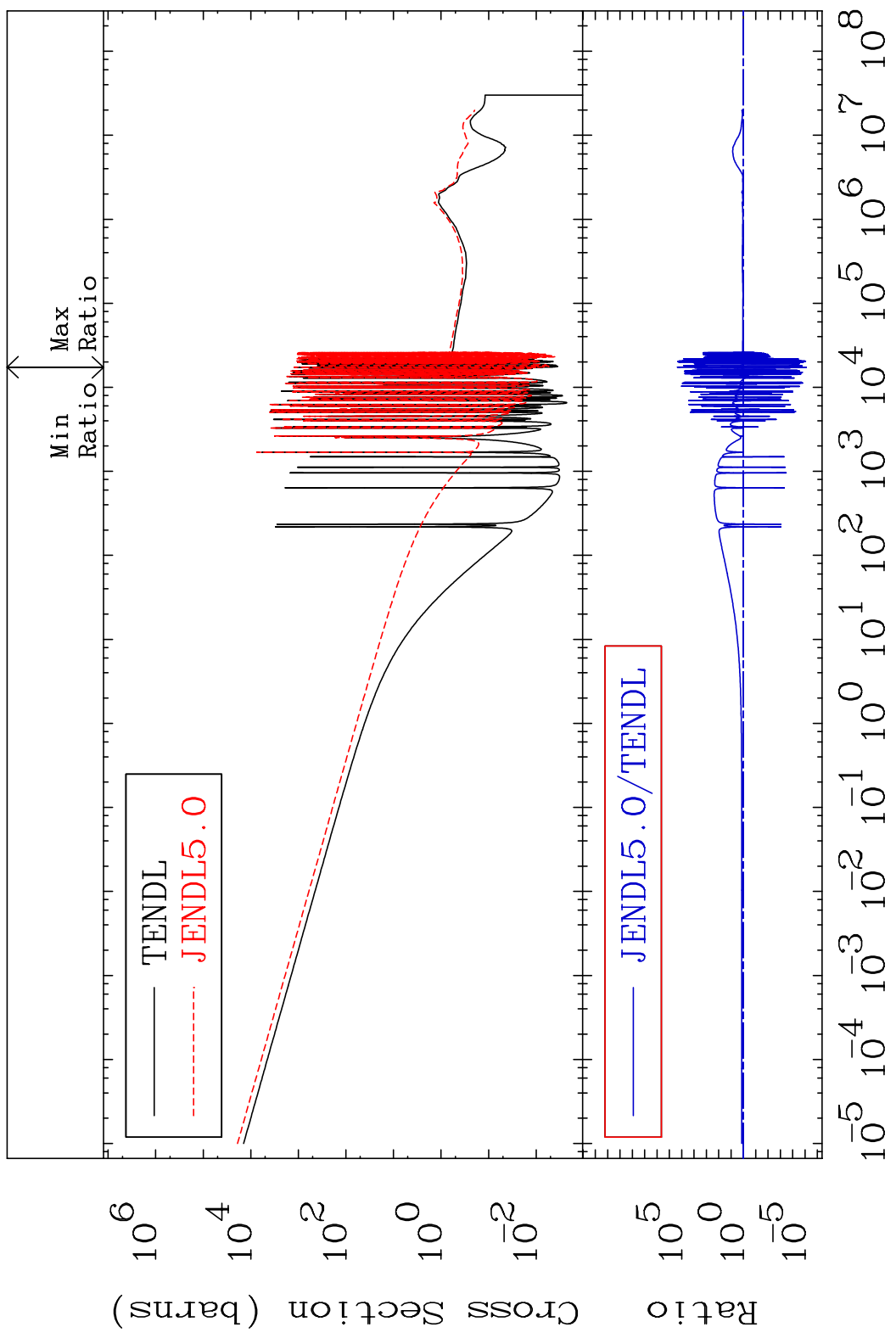


MAT 6025 Kerma fission (mt18 or mt19-20-21-38) ⁶⁰Nd-142
 Cross Section -9999. To 33.28 %



MAT 6025

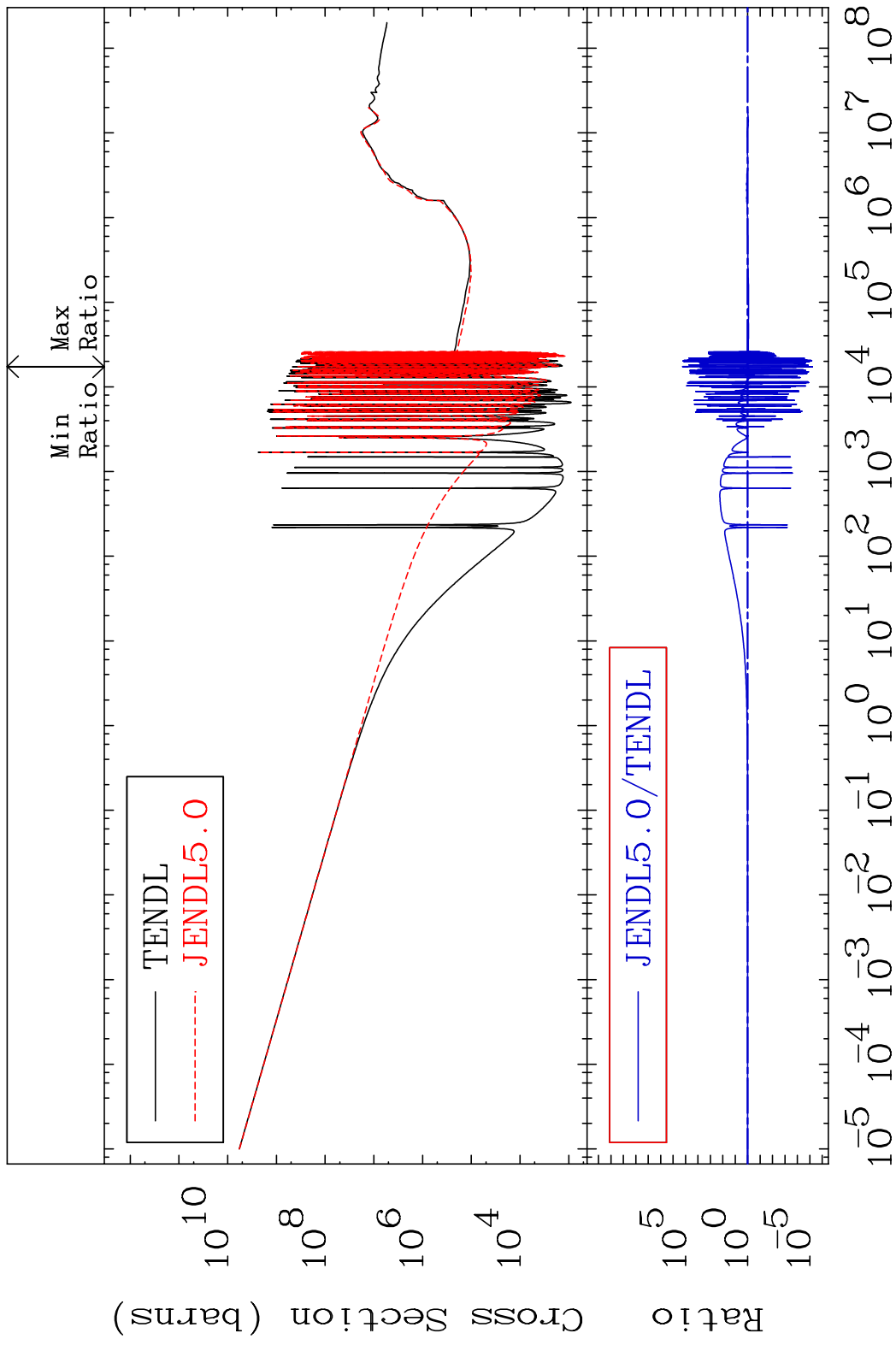
Kerma capture (mt102) 60-Nd-142
Cross Section -100.0 To 9999. %



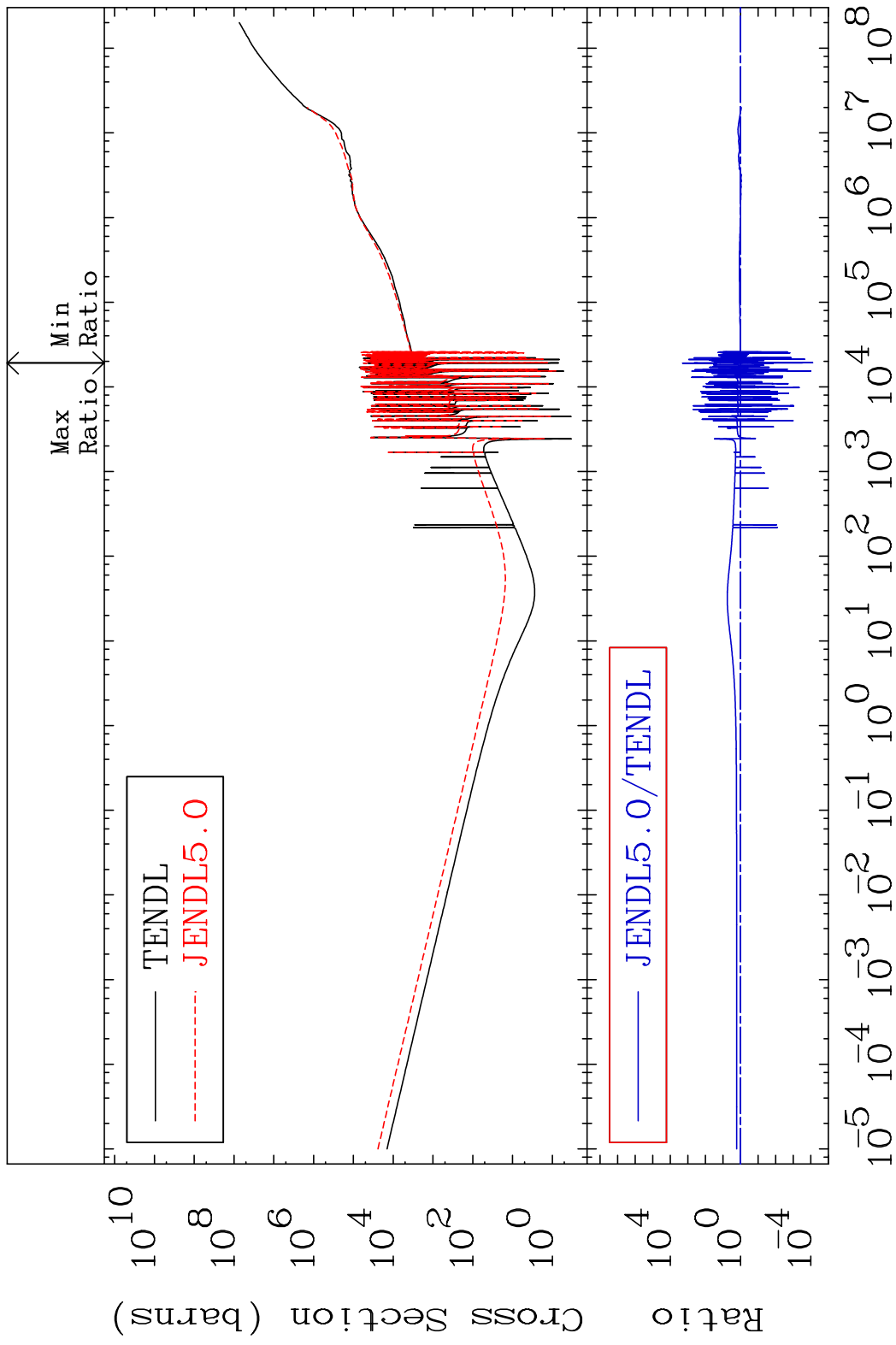
55

Incident Energy (eV) 60-Nd-142

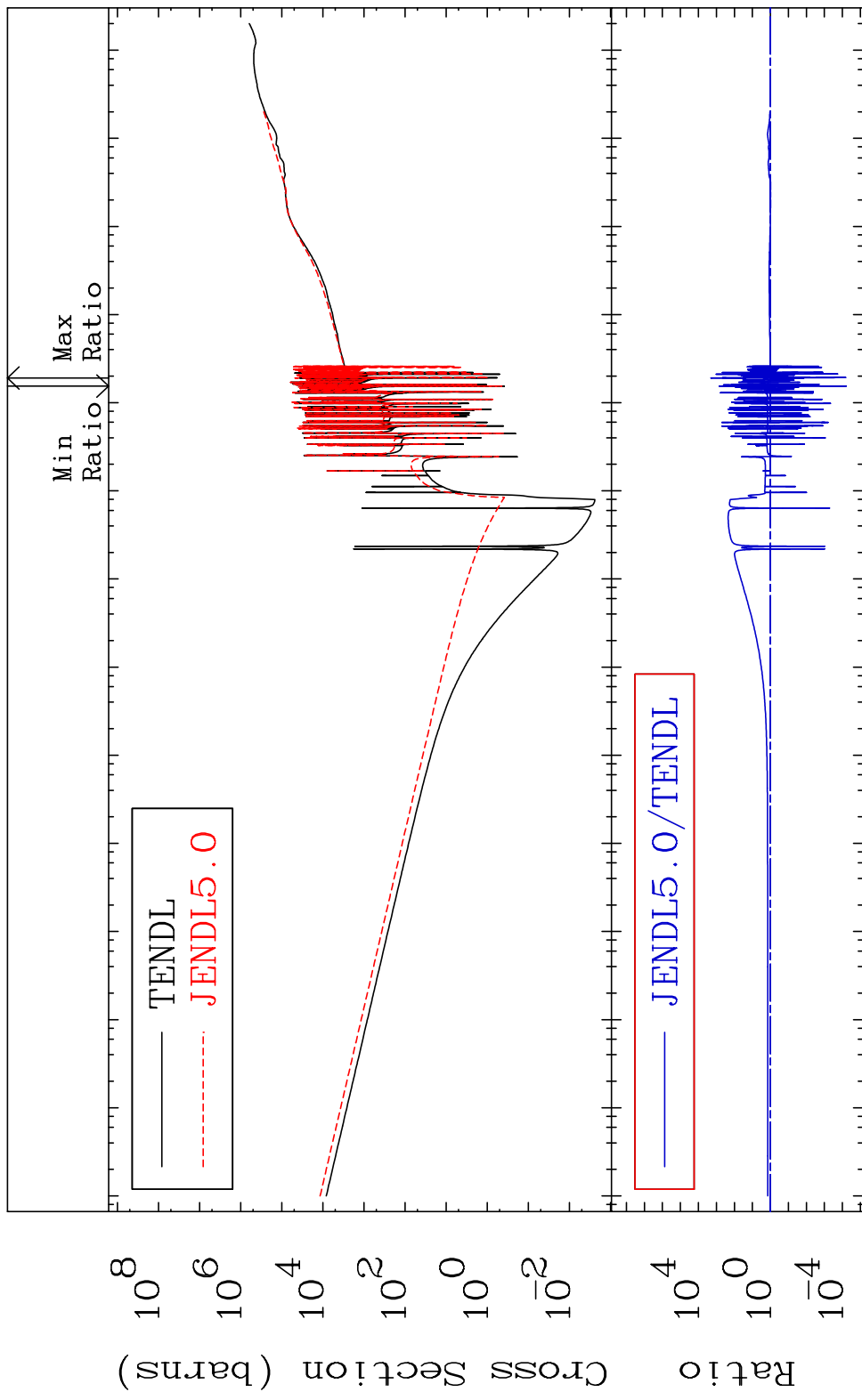
MAT 6025 Total photon (eV-barns) 60-Nd-142
 Cross Section -100.0 To 9999. %



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. %

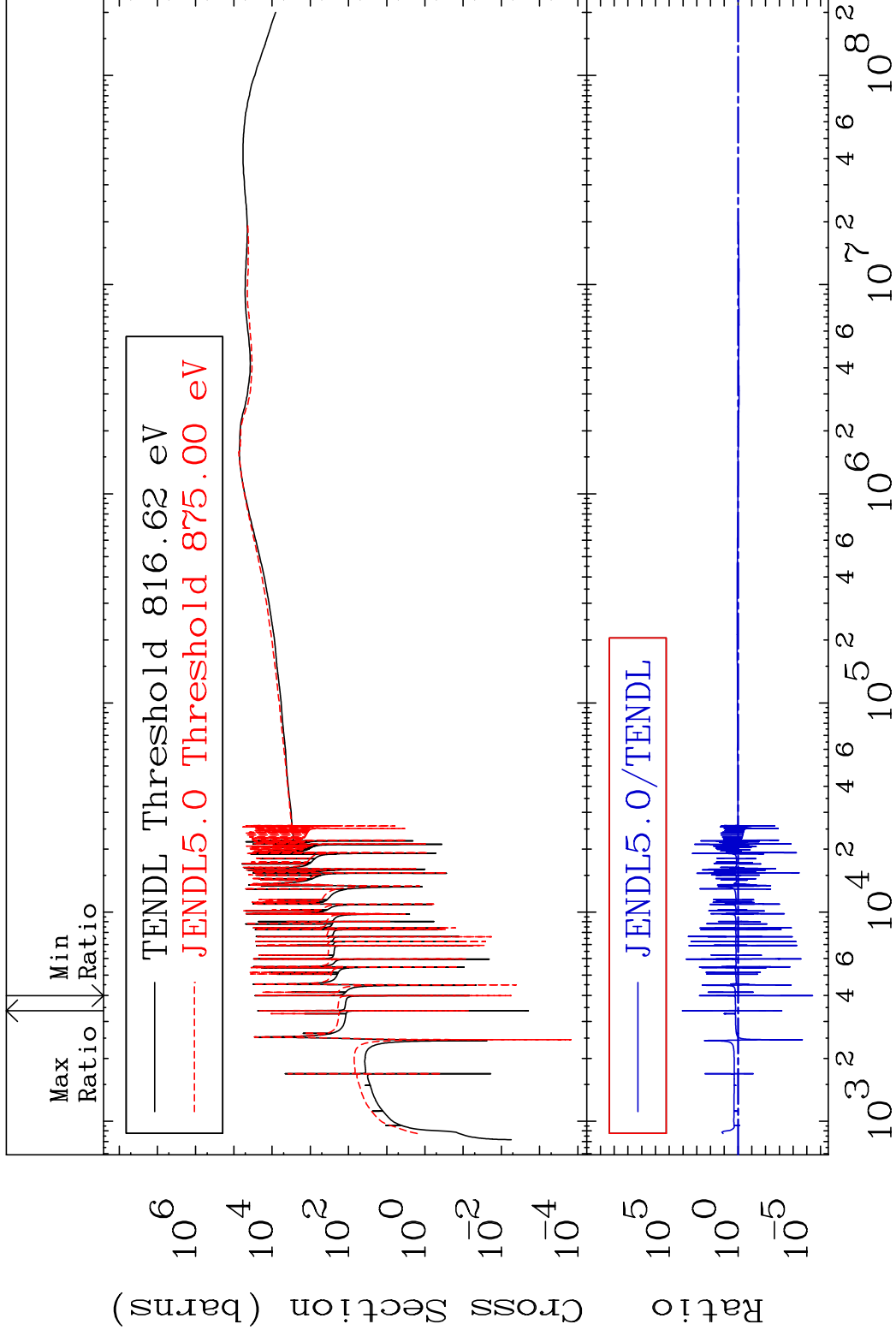


MAT 6025

Dpa elastic (mt2)

60-Nd-142

Cross Section -100.0 To 9999. %

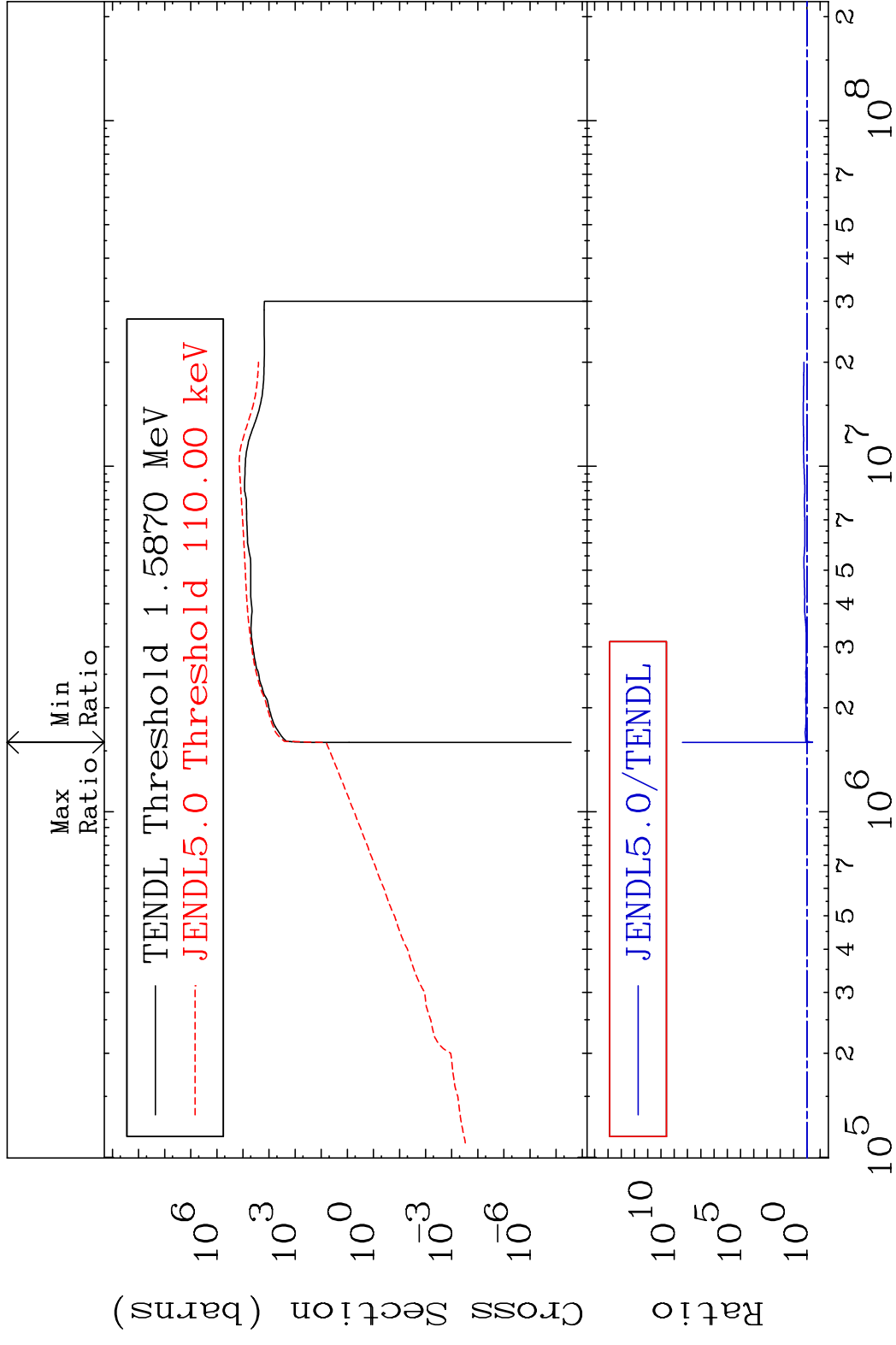


59

Incident Energy (eV)

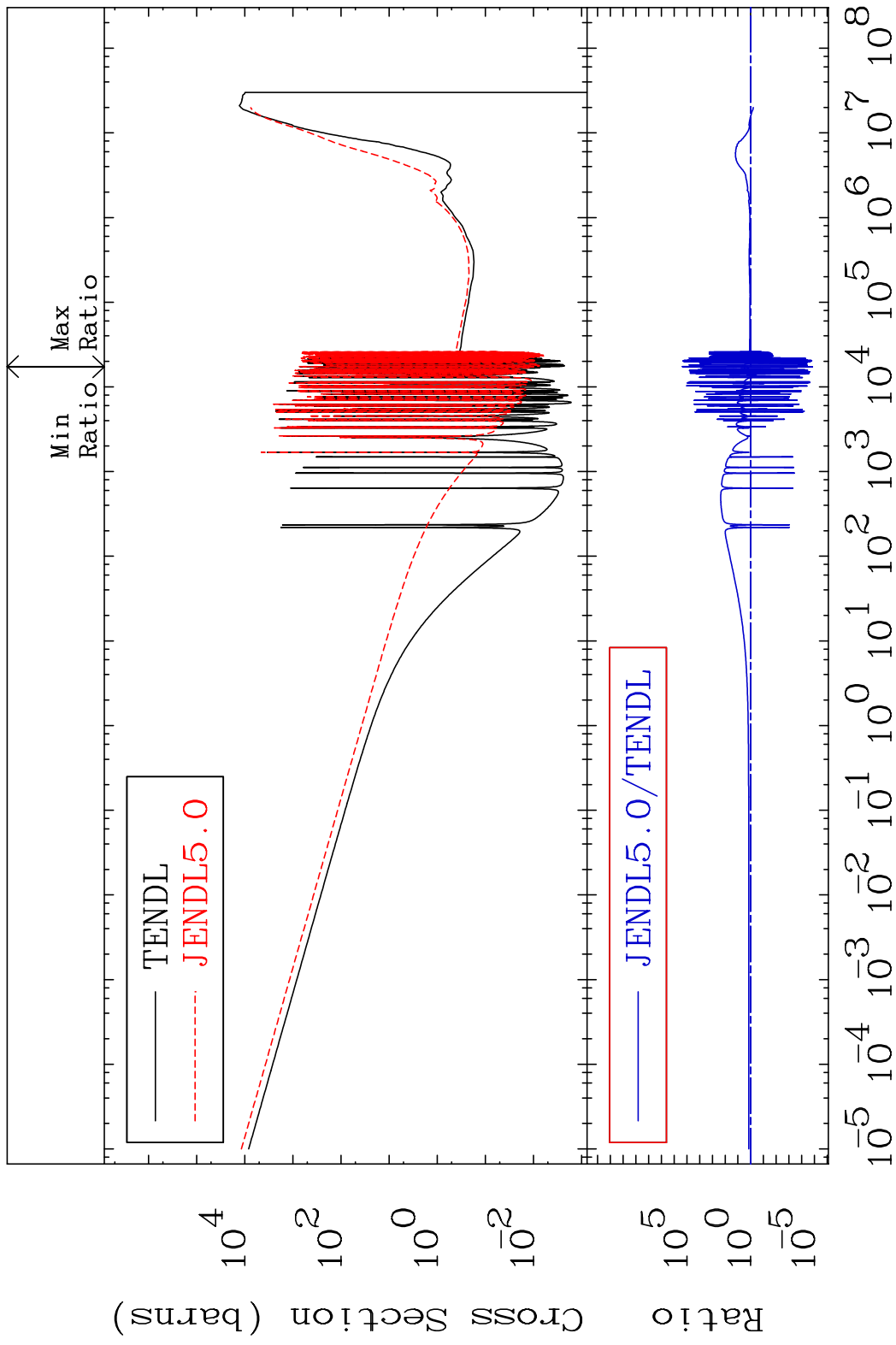
60-Nd-142

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

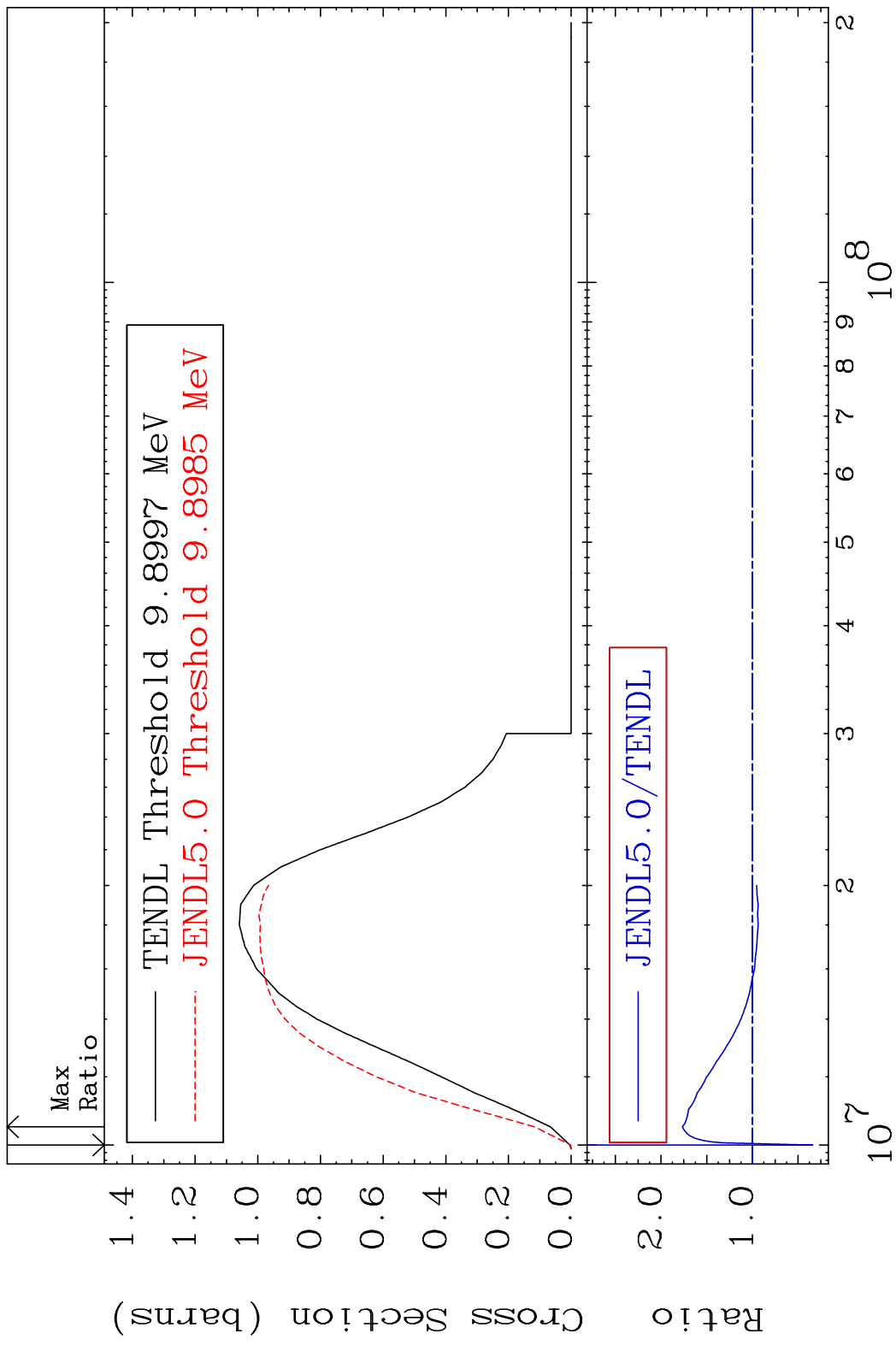


60 Incident Energy (eV) 60-Nd-142

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

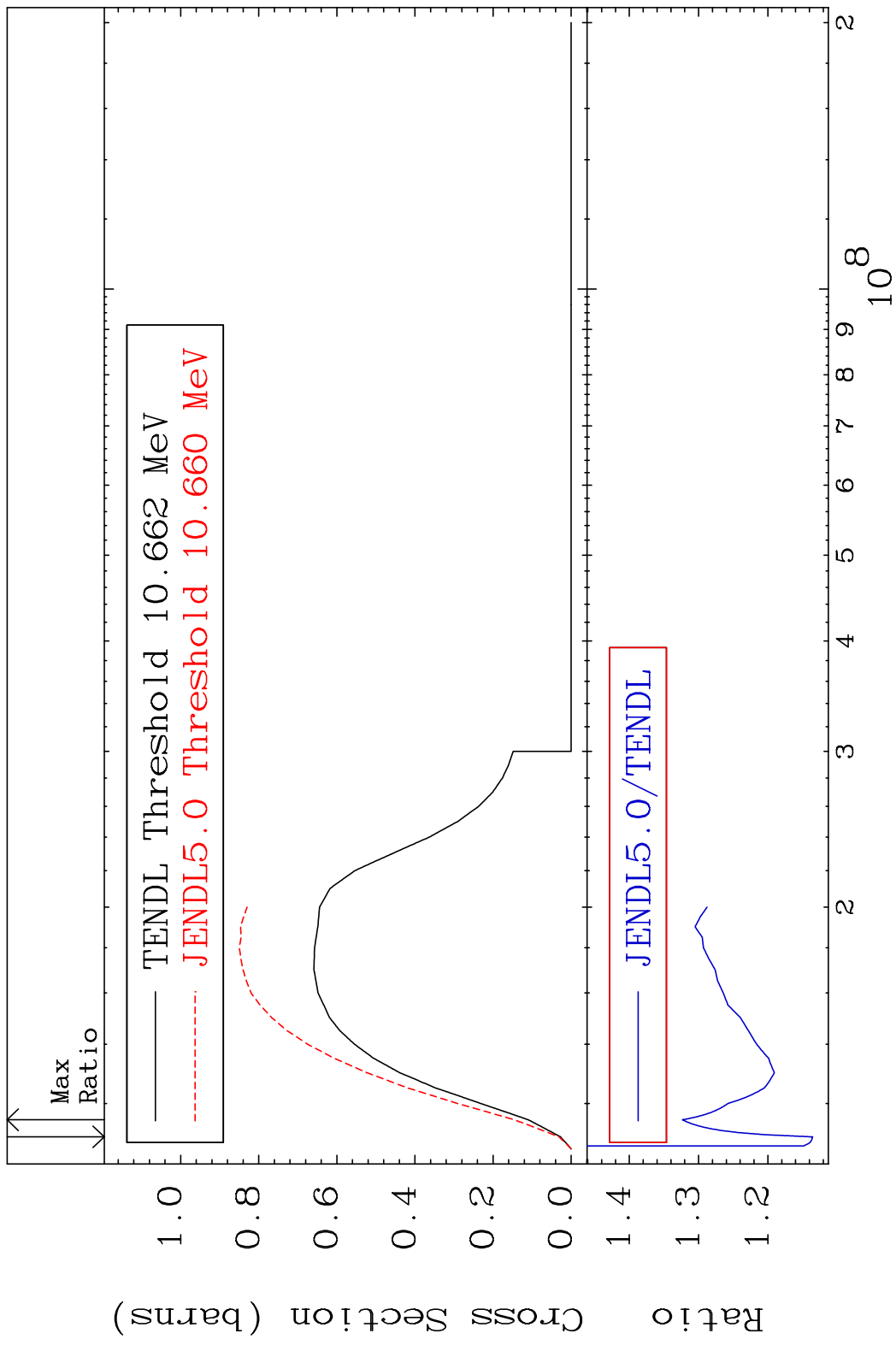


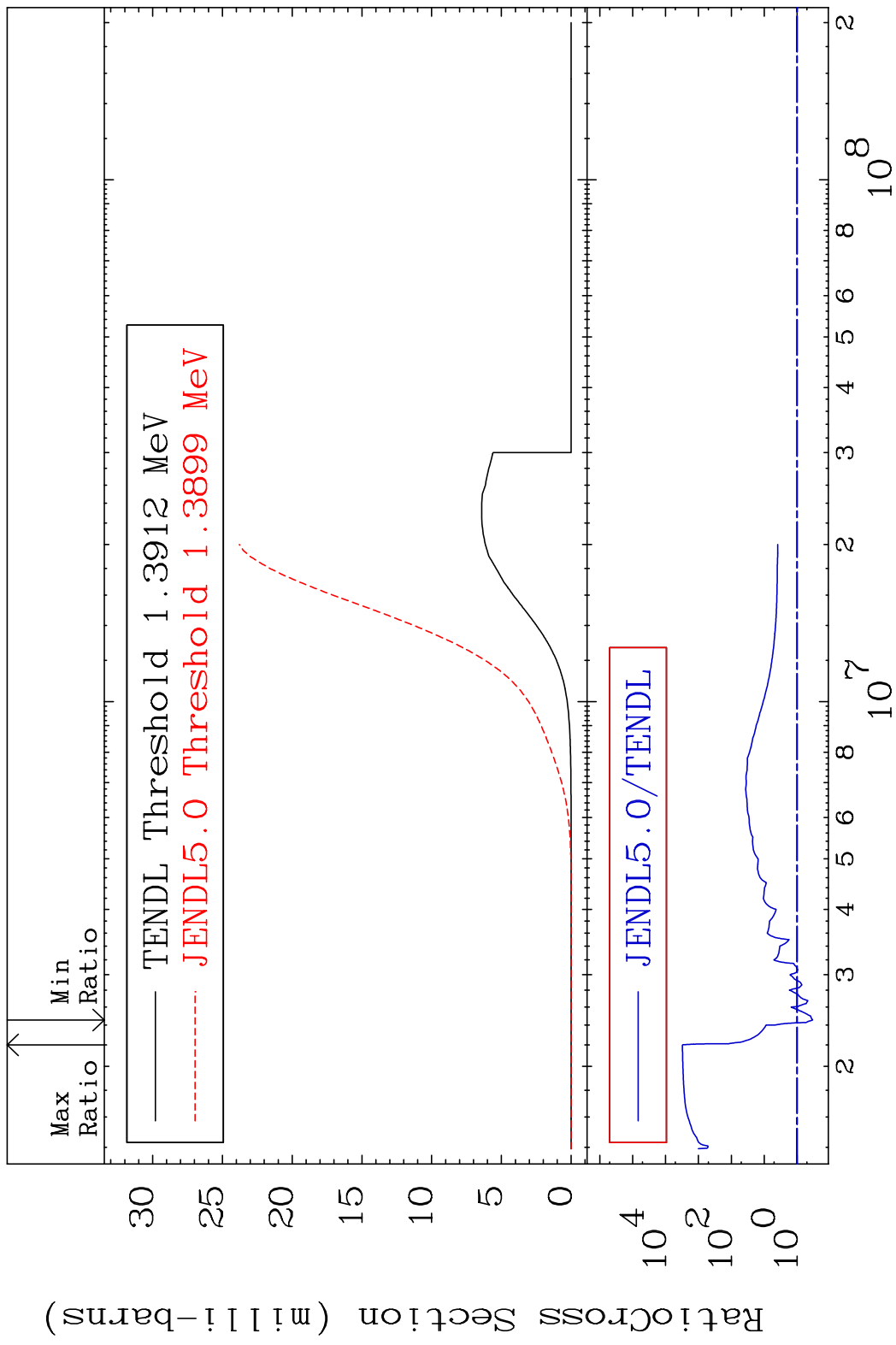
MAT 6025 (n,2n):60-Nd-141g 60-Nd-142
 Radionuclide Production Cross Section 65.841 dpo 76.66 %

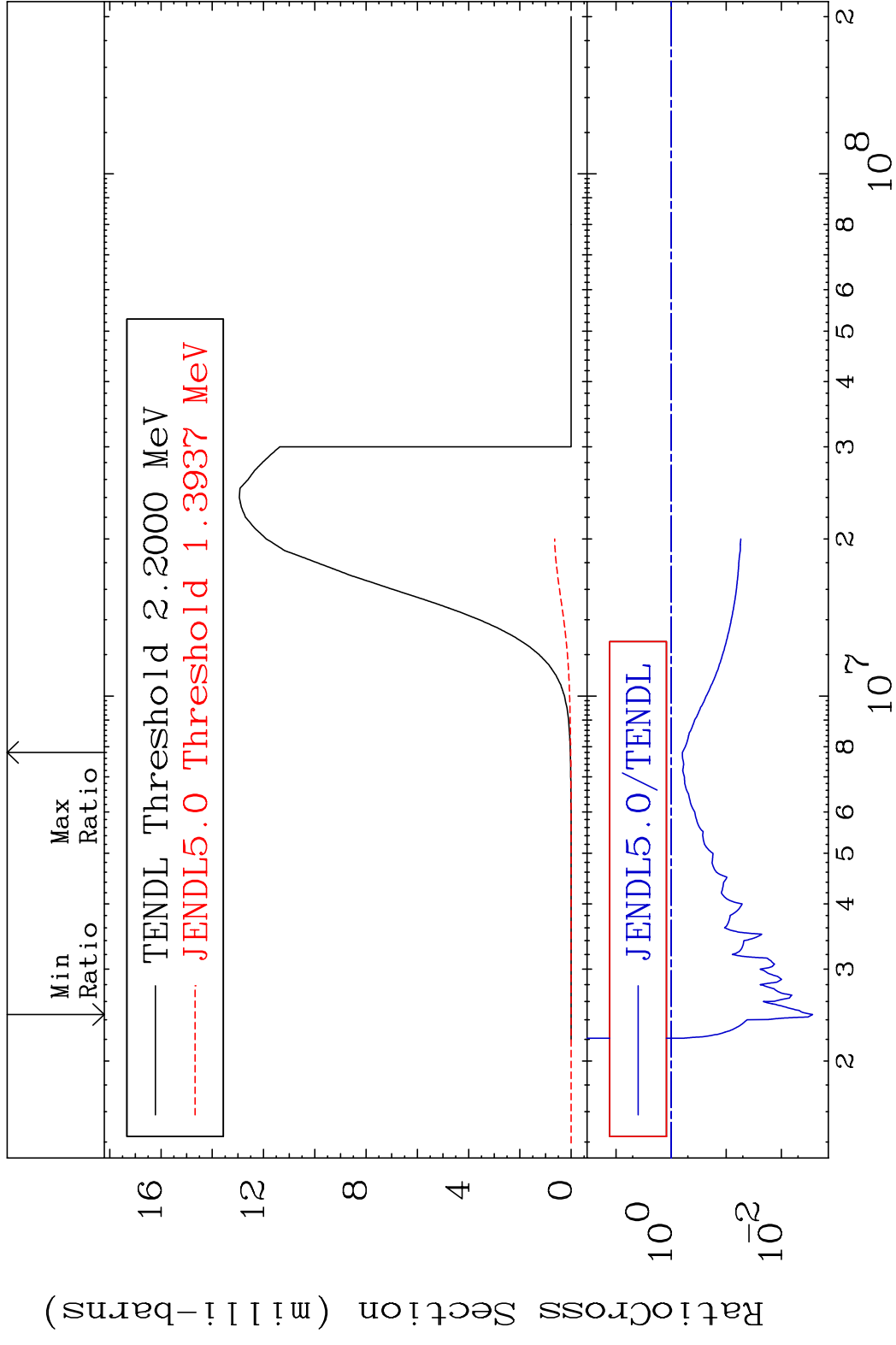


62 Incident Energy (eV) 60-Nd-142

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





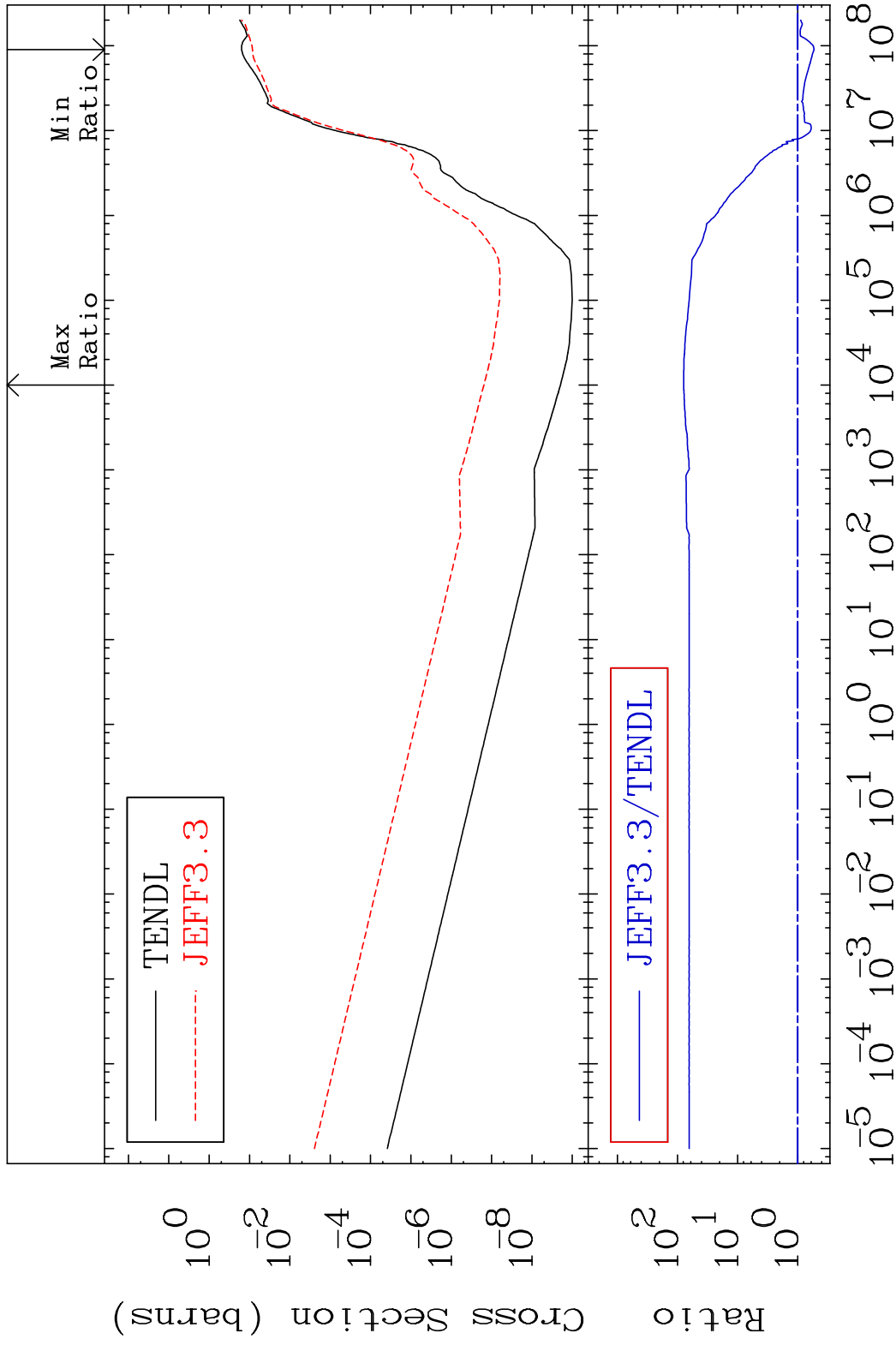


MAT 6025

He-4 Production

60-Nd-142

Cross Section -46.48 To 7802. %



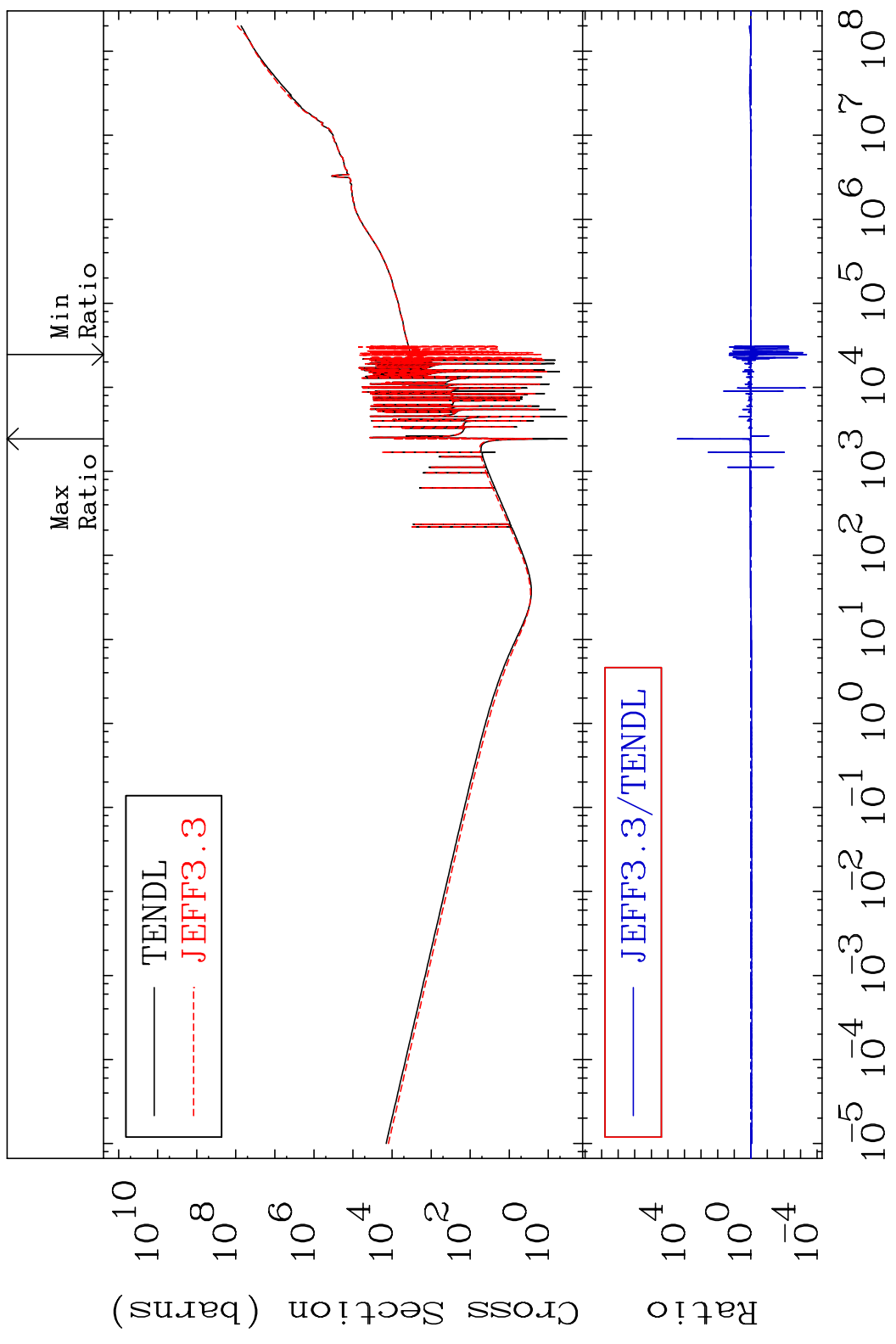
66

Incident Energy (eV)

60-Nd-142

MAT 6025

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



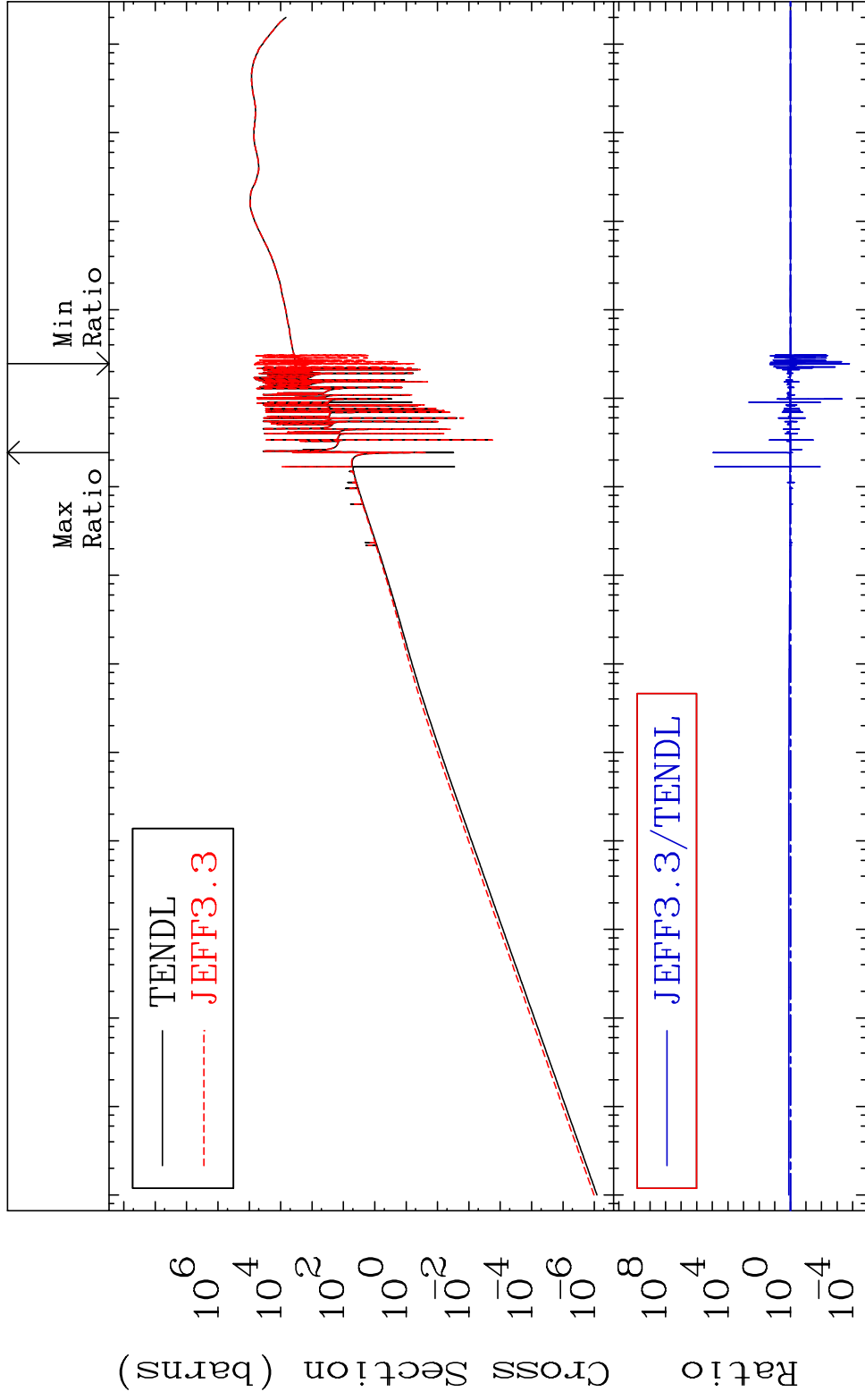
67

Incident Energy (eV) 60-Nd-142

MAT 6025

Kerma elastic
Cross Section

60-Nd-142
-99.98 To 9999. %

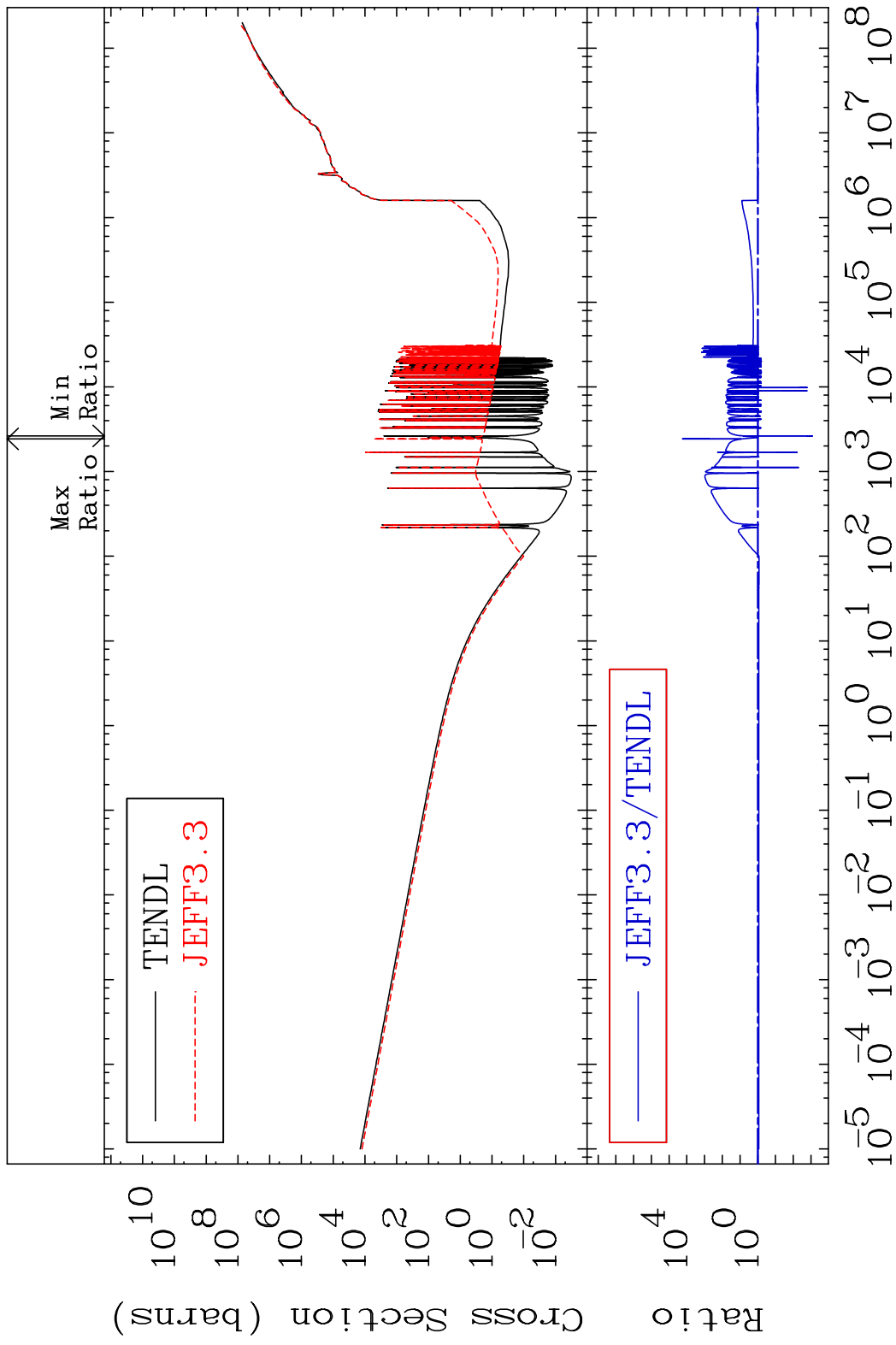


68

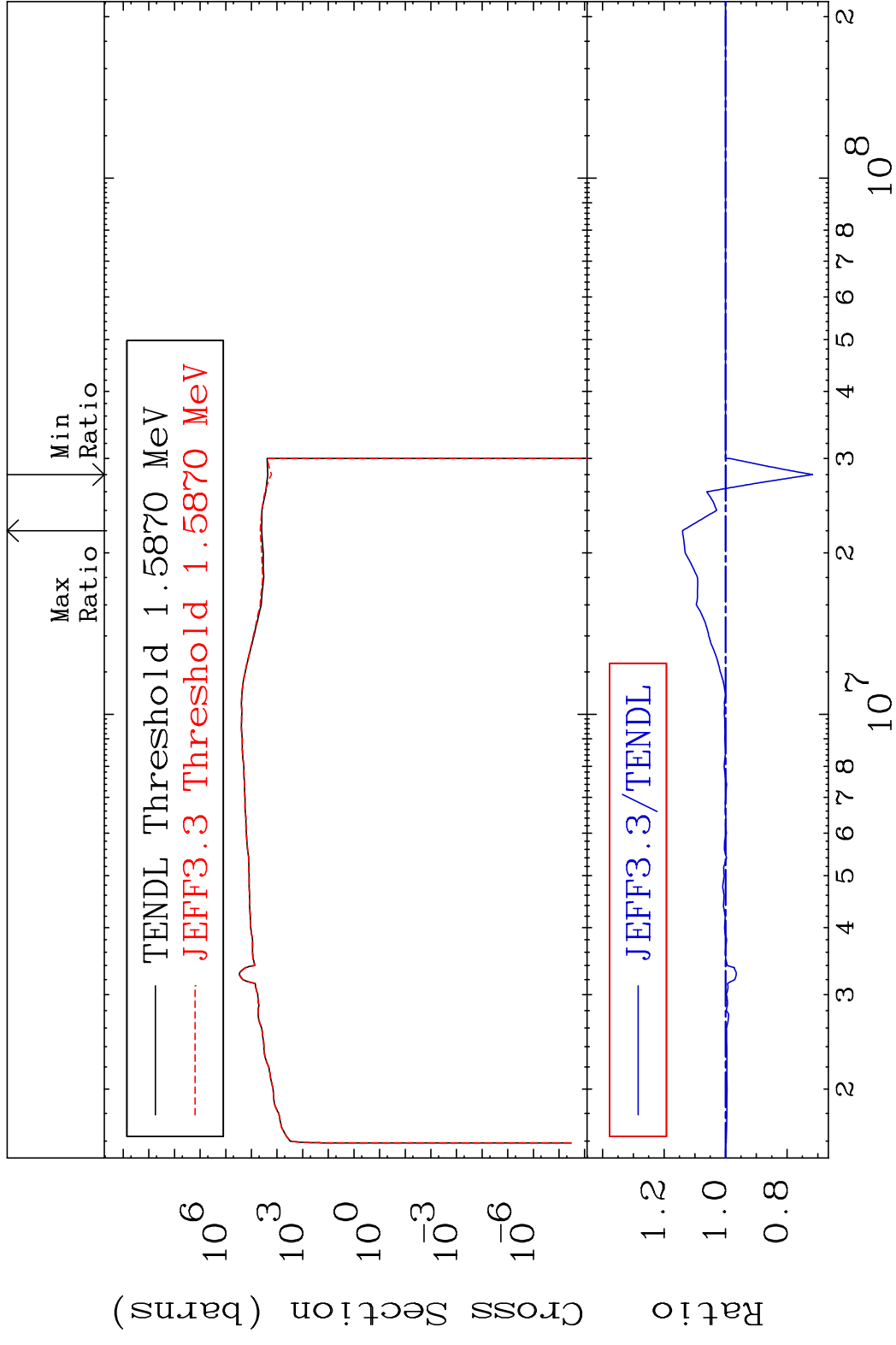
Incident Energy (eV)

60-Nd-142

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

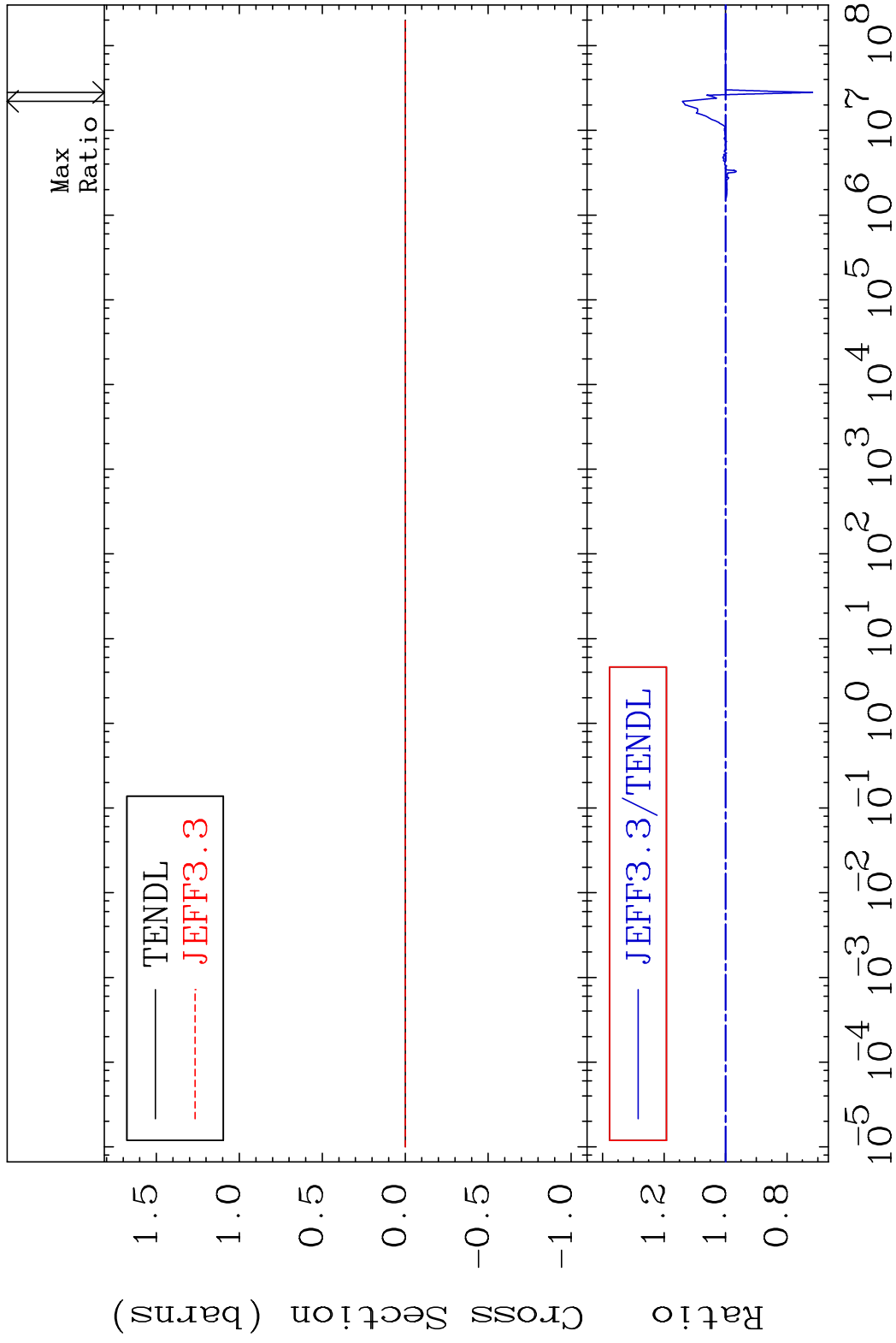


MAT 6025 Kerma inelastic (mt51-91) 60-Nd-142
 Cross Section -28.30 To 14.06 %



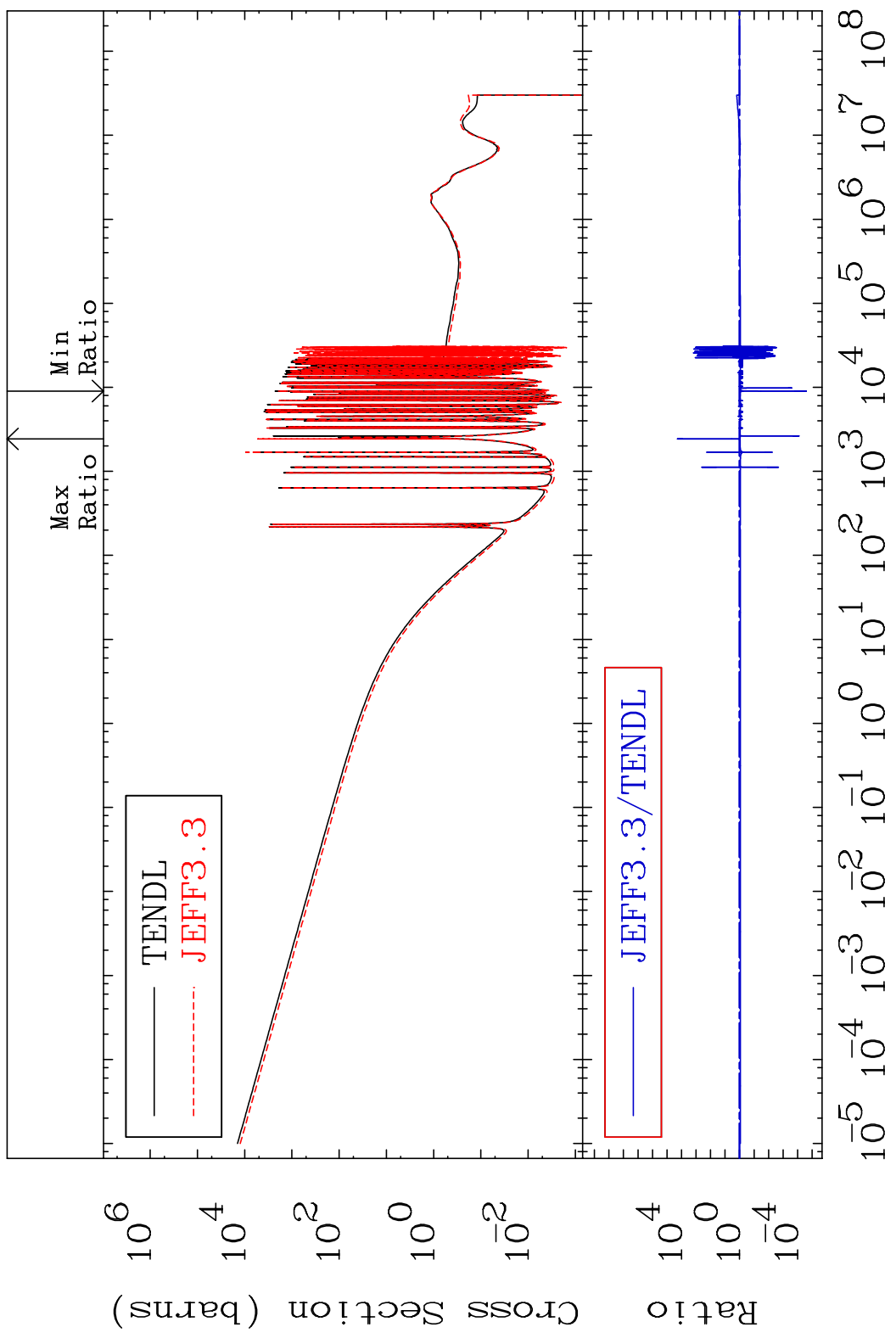
70 60-Nd-142

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



MAT 6025

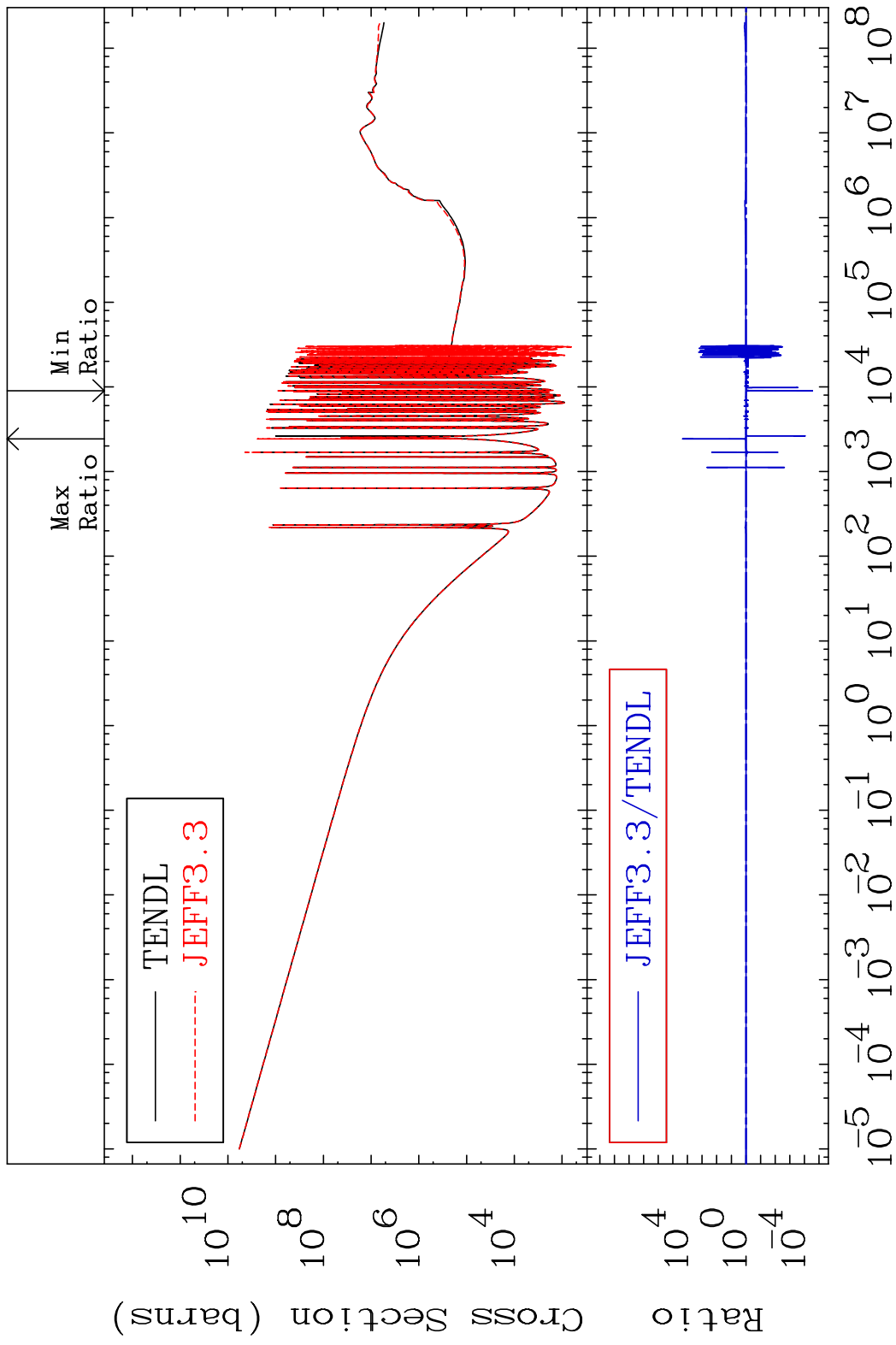
Kerma capture (mt102) 60-Nd-142
Cross Section -100.0 To 9999. %



72

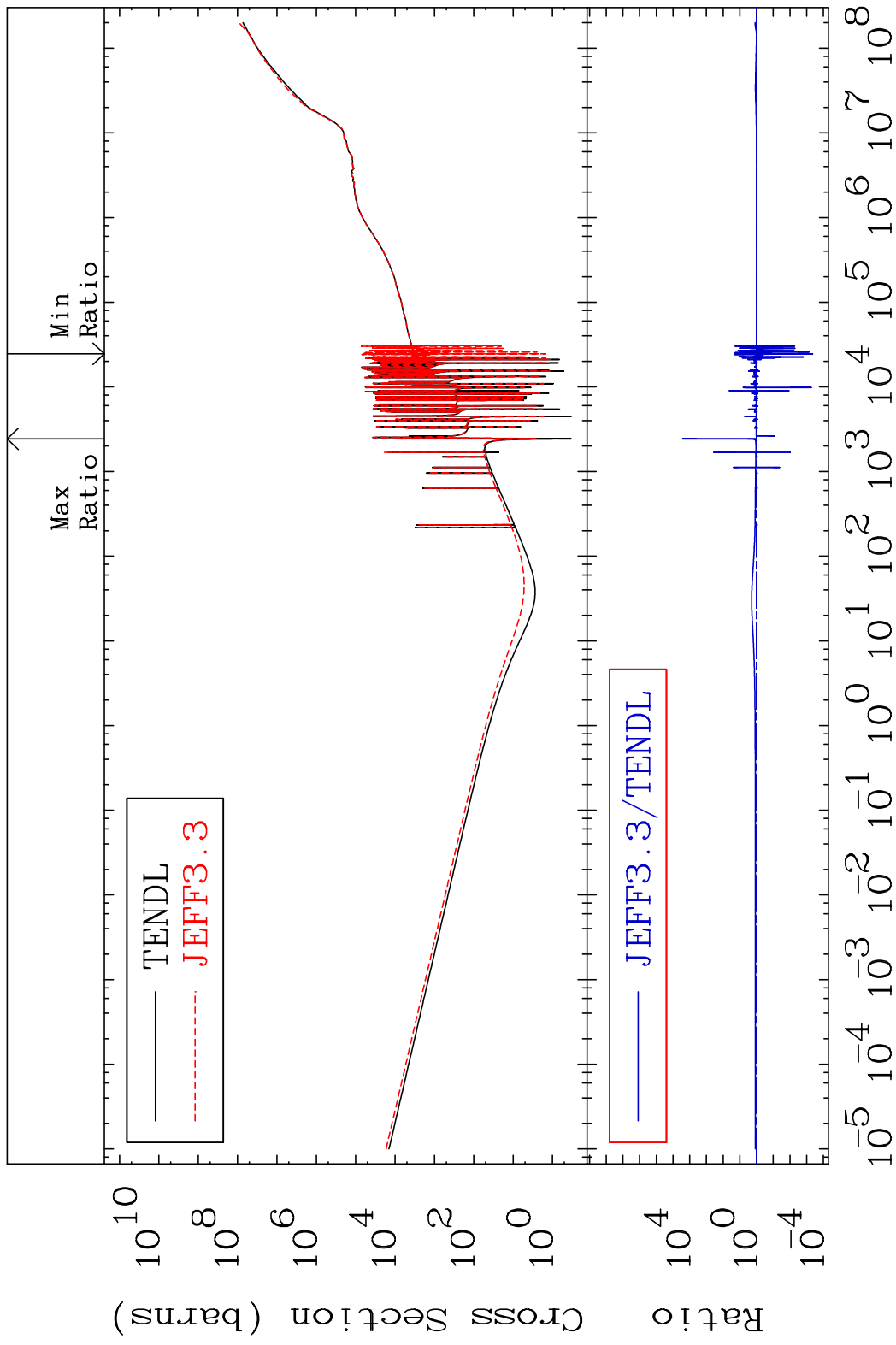
Incident Energy (eV) 60-Nd-142

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

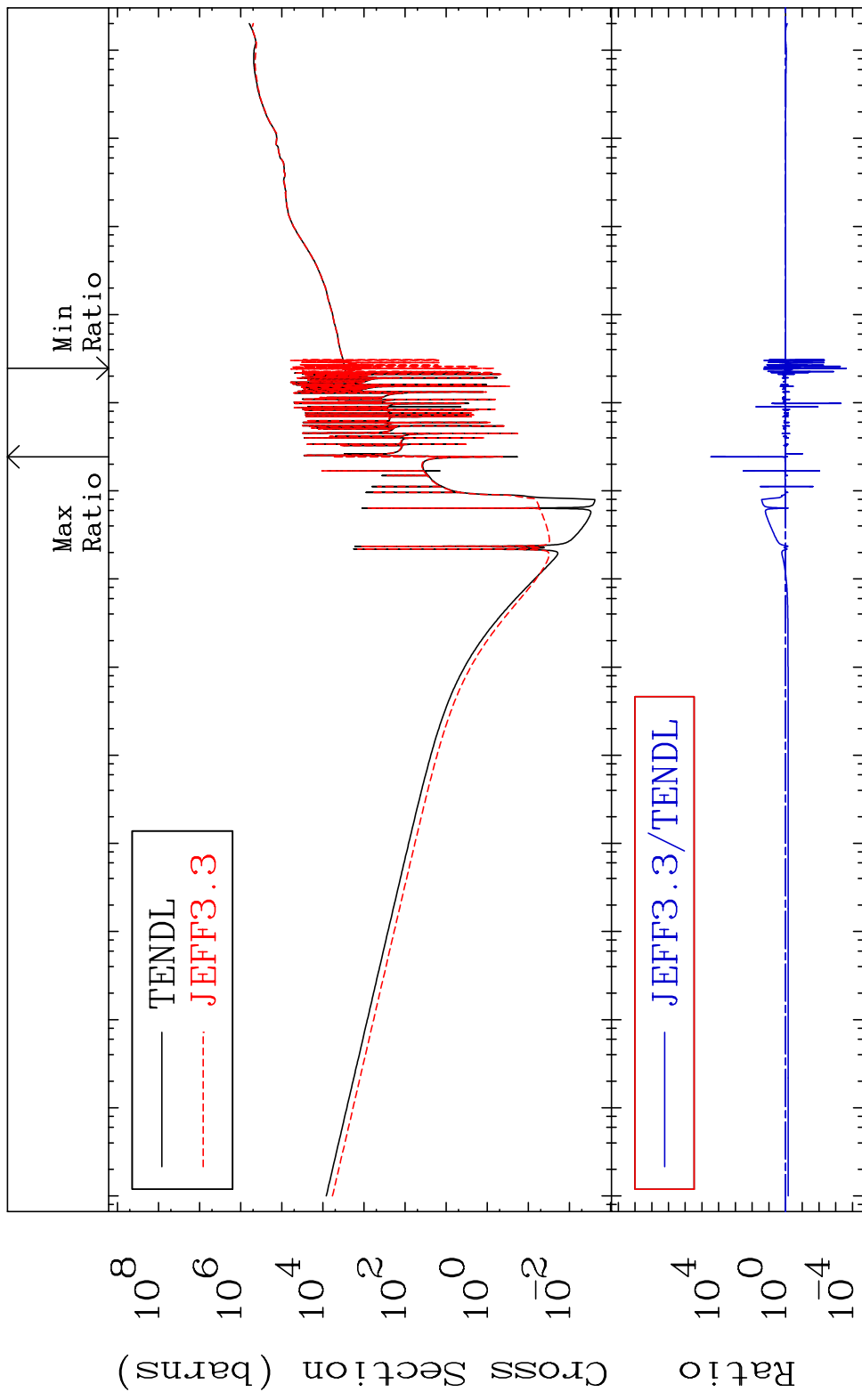


73 Incident Energy (eV) 60-Nd-142

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. %



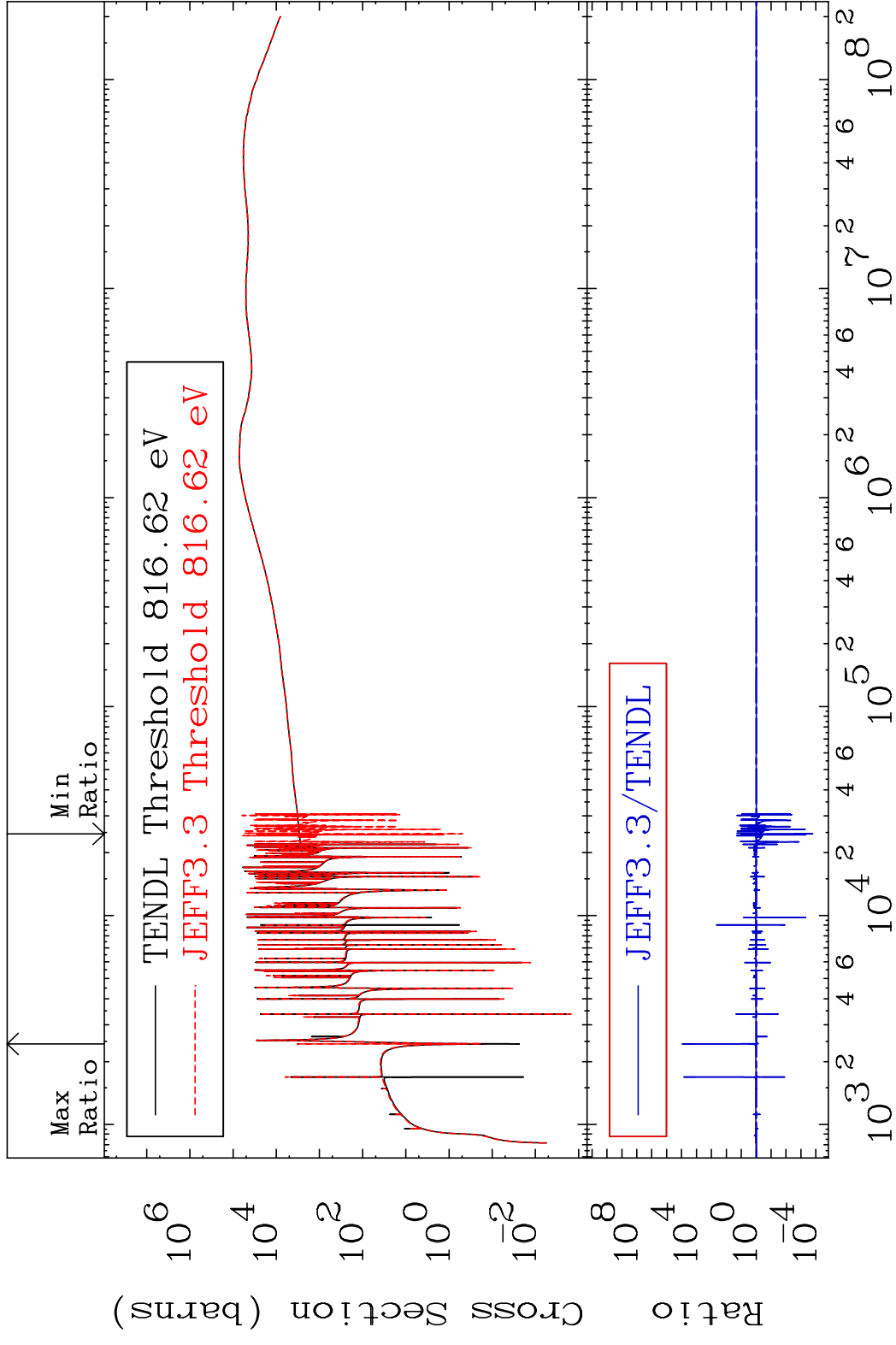
75 Incident Energy (eV) 60-Nd-142

MAT 6025

Dpa elastic (mt2)

60-Nd-142

Cross Section -99.98 To 9999. %

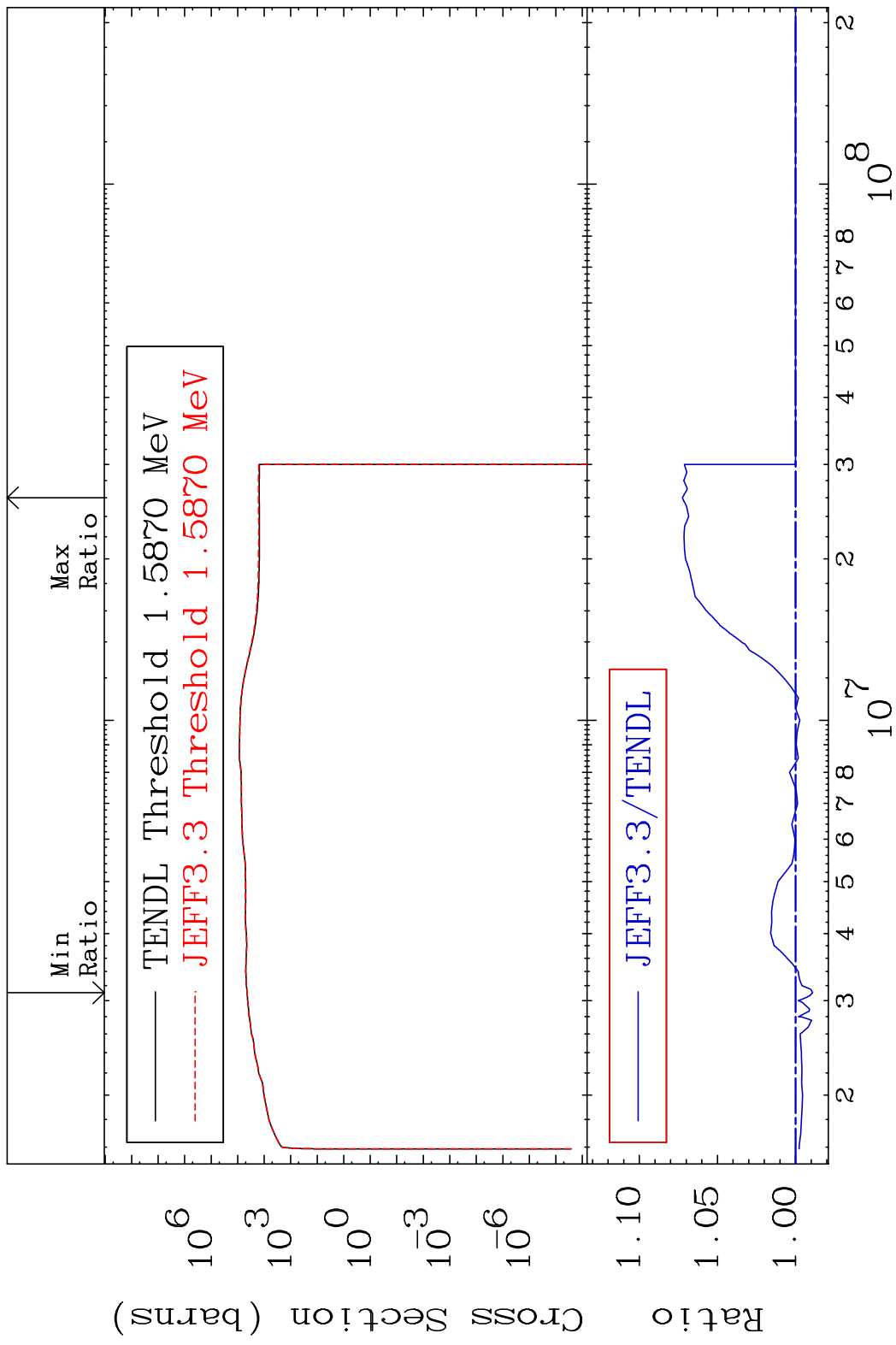


76

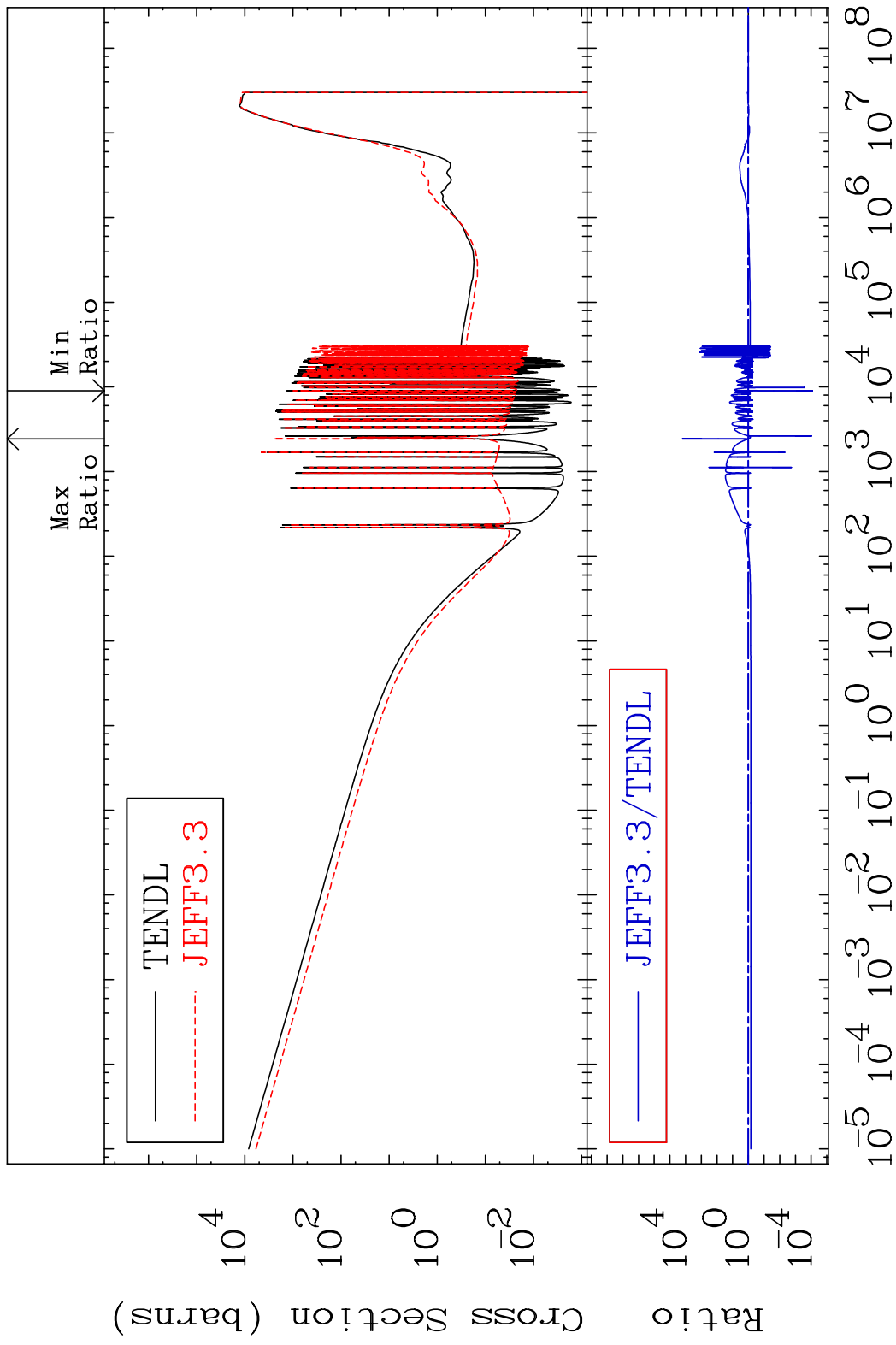
Incident Energy (eV)

60-Nd-142

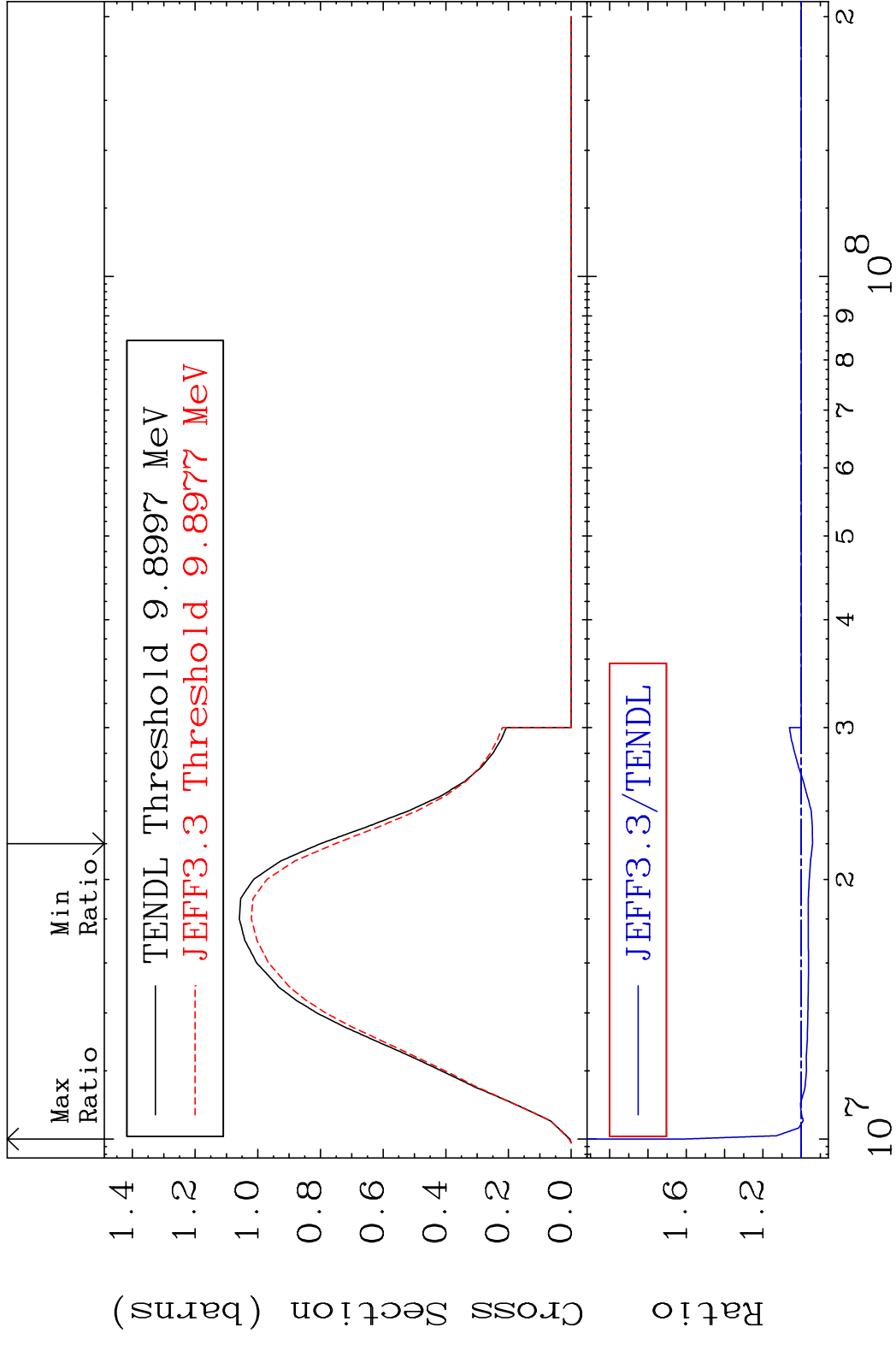
MAT 6025 Dpa inelastic (mt51-91) 60-Nd-142
 Cross Section -1.089 To 7.249 %



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

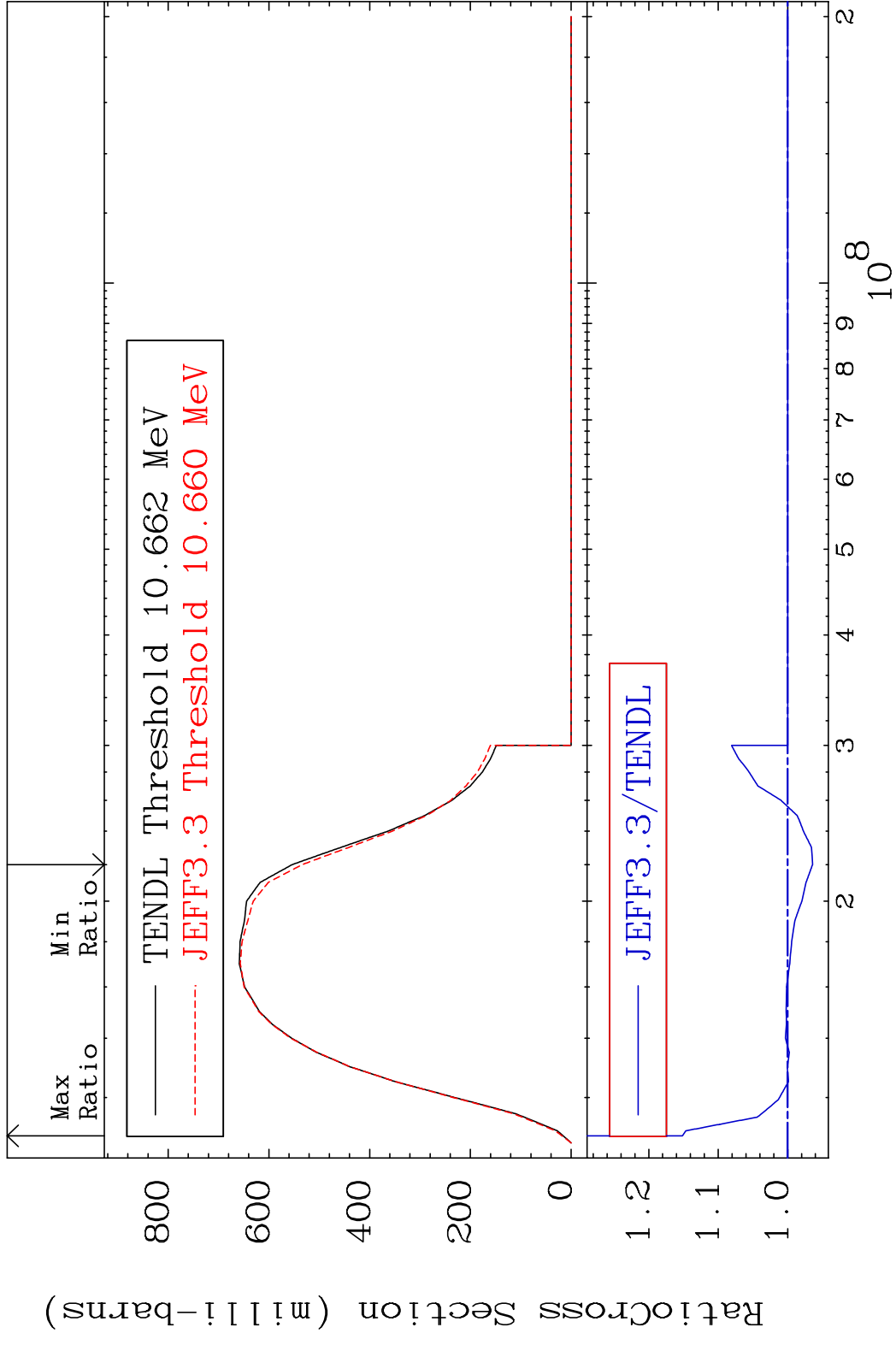


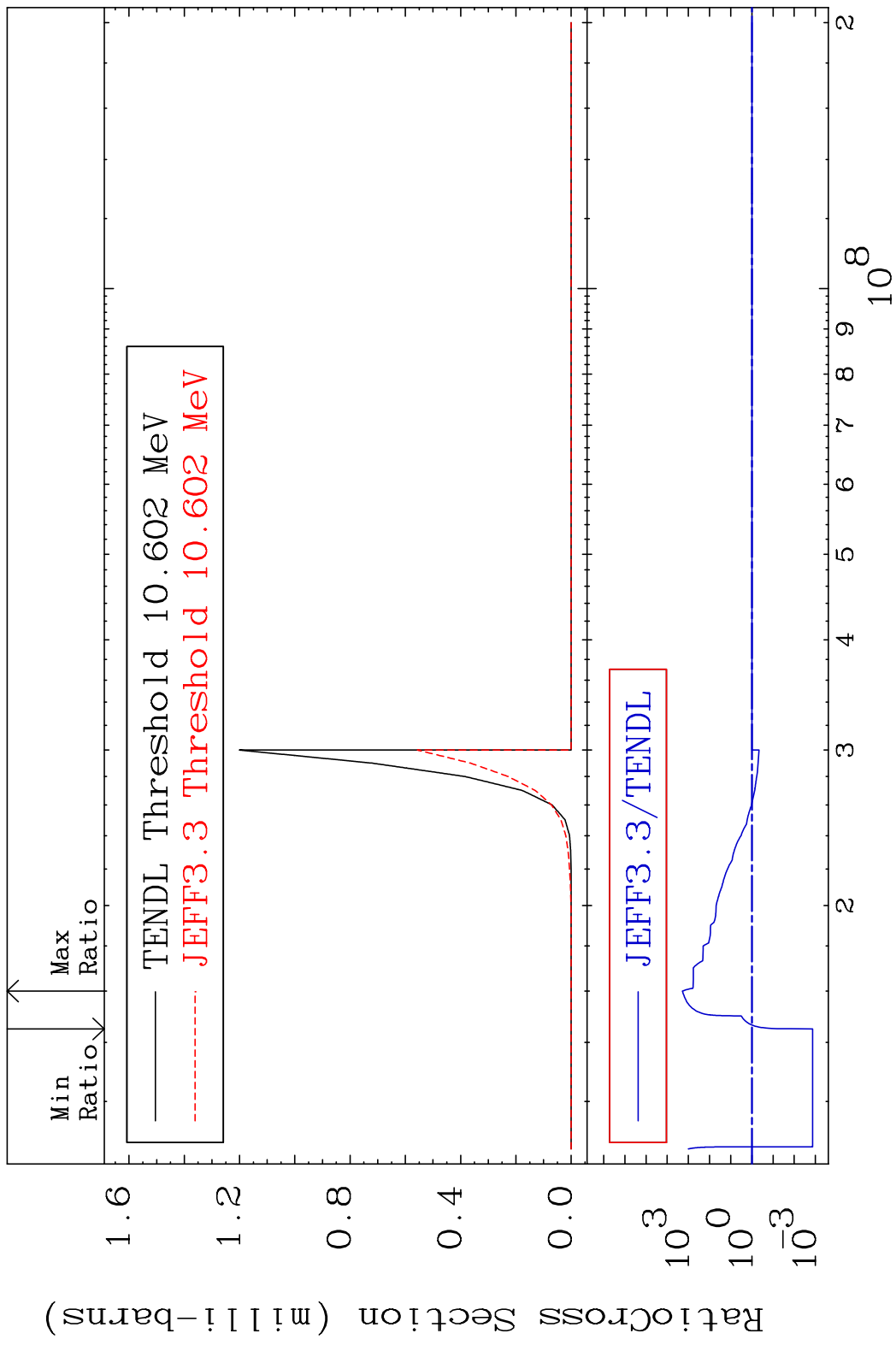
MAT 6025 (n,2n):60-Nd-141g 60-Nd-142
 Radionuclide Production Cross Section 62.06 %



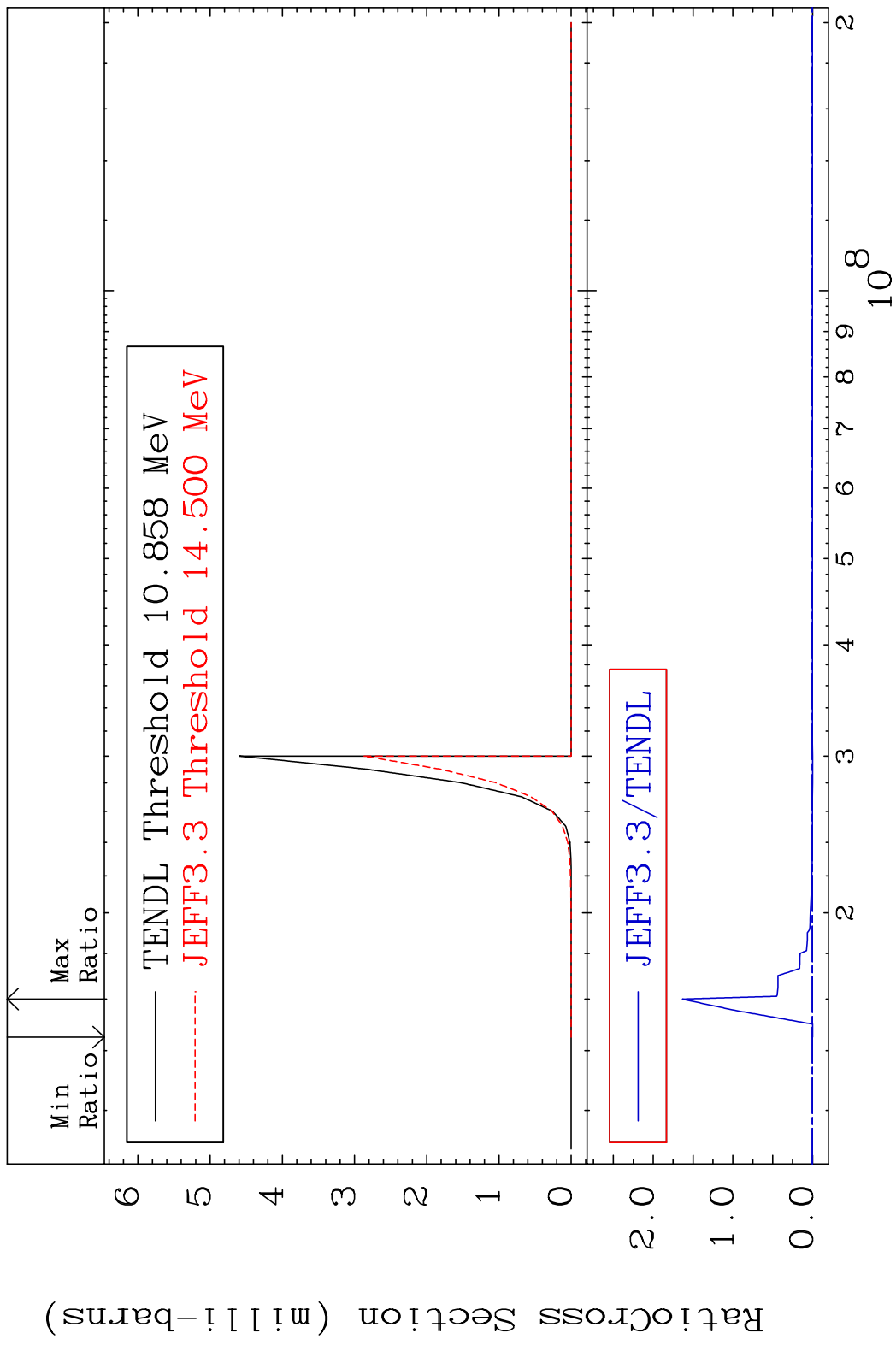
79 Incident Energy (eV) 60-Nd-142

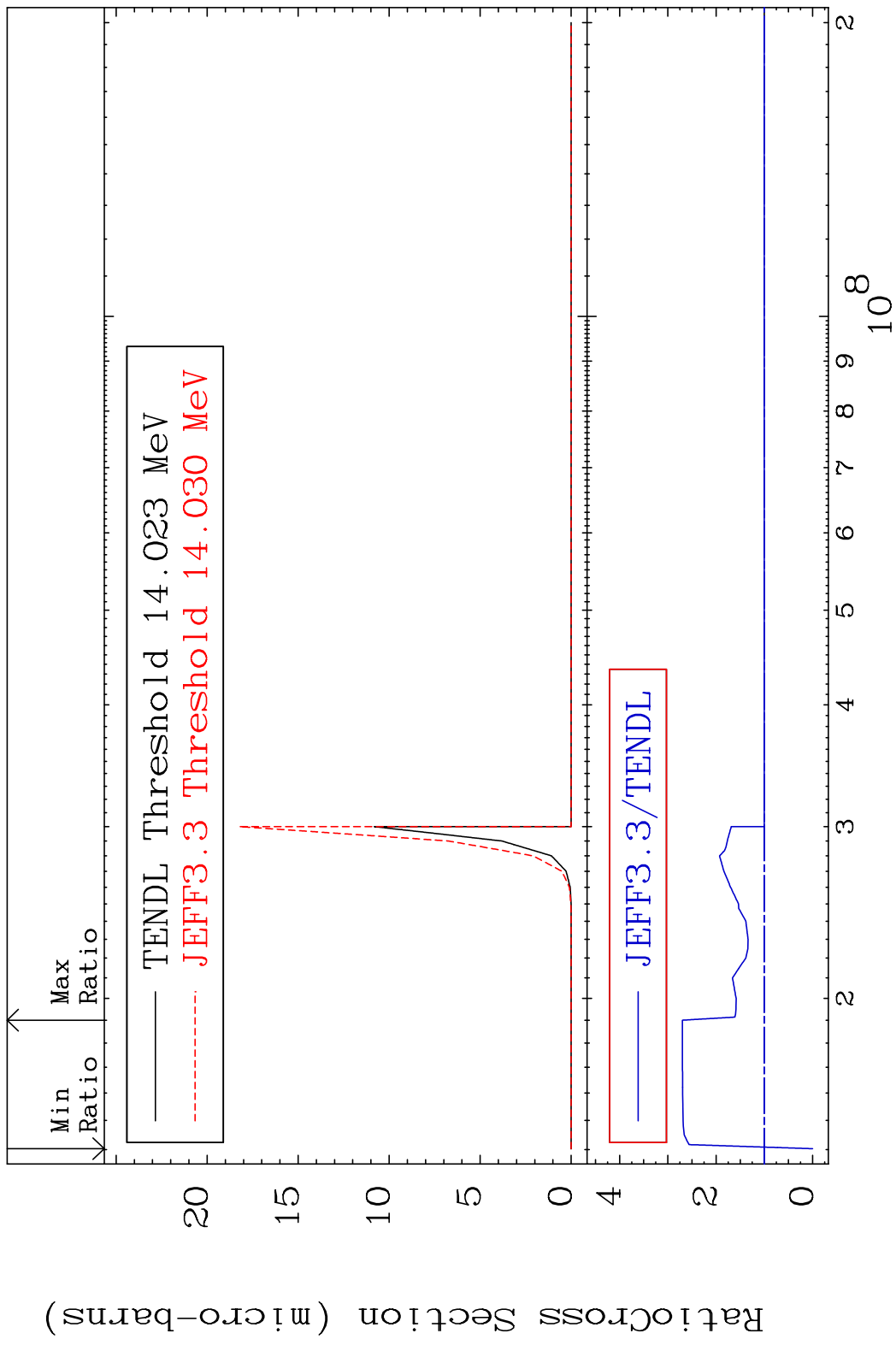
MAT 6025 (n,2n):60-Nd-141m2 60-Nd-142
 Radionuclide Production Cross Section 15.16 %



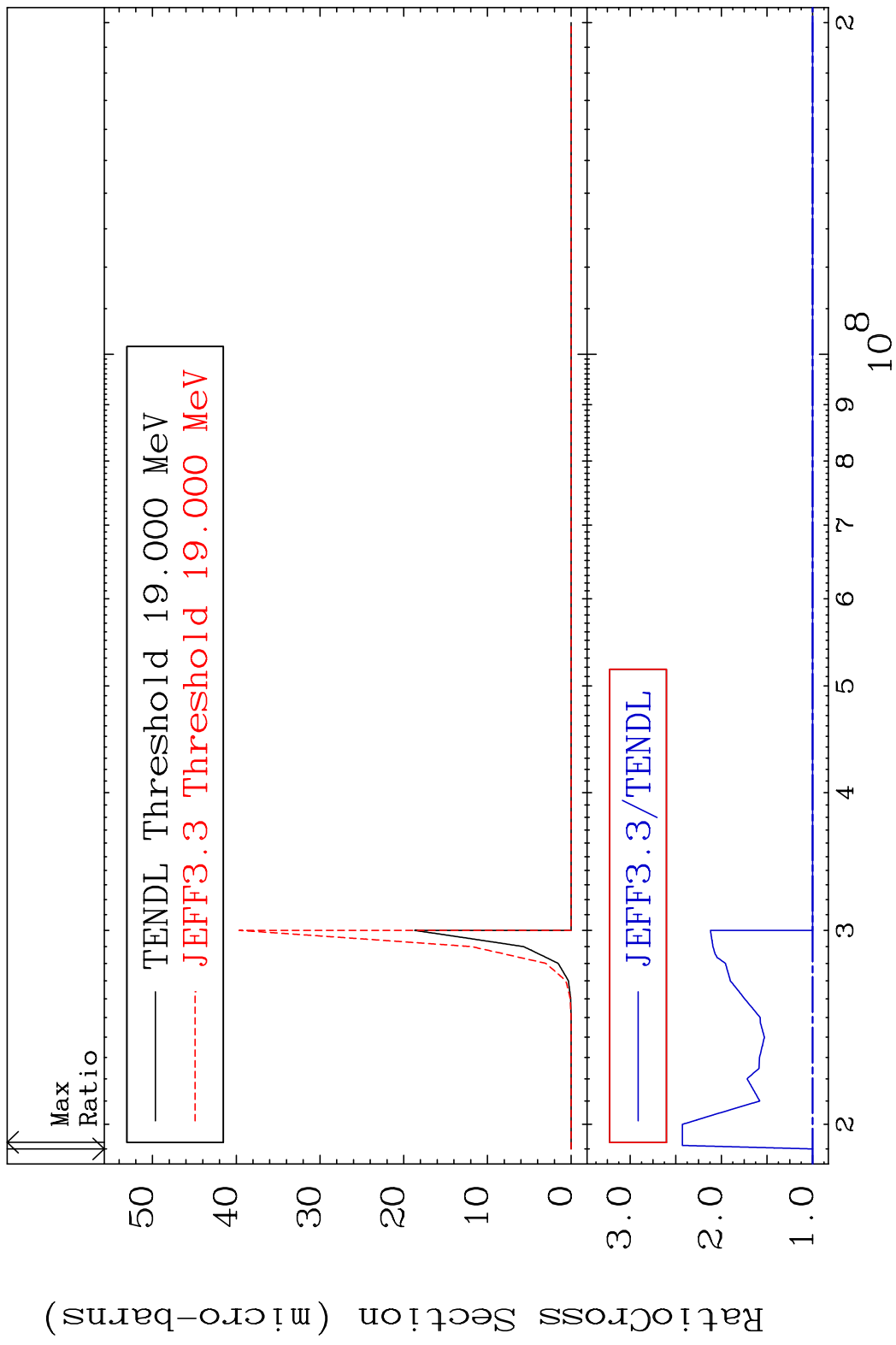


MAT 6025 (n,2n) α :58-Ce-137m2 60-Nd-142
 Radionuclide Production Cross Section 100.00 dth 9999. %

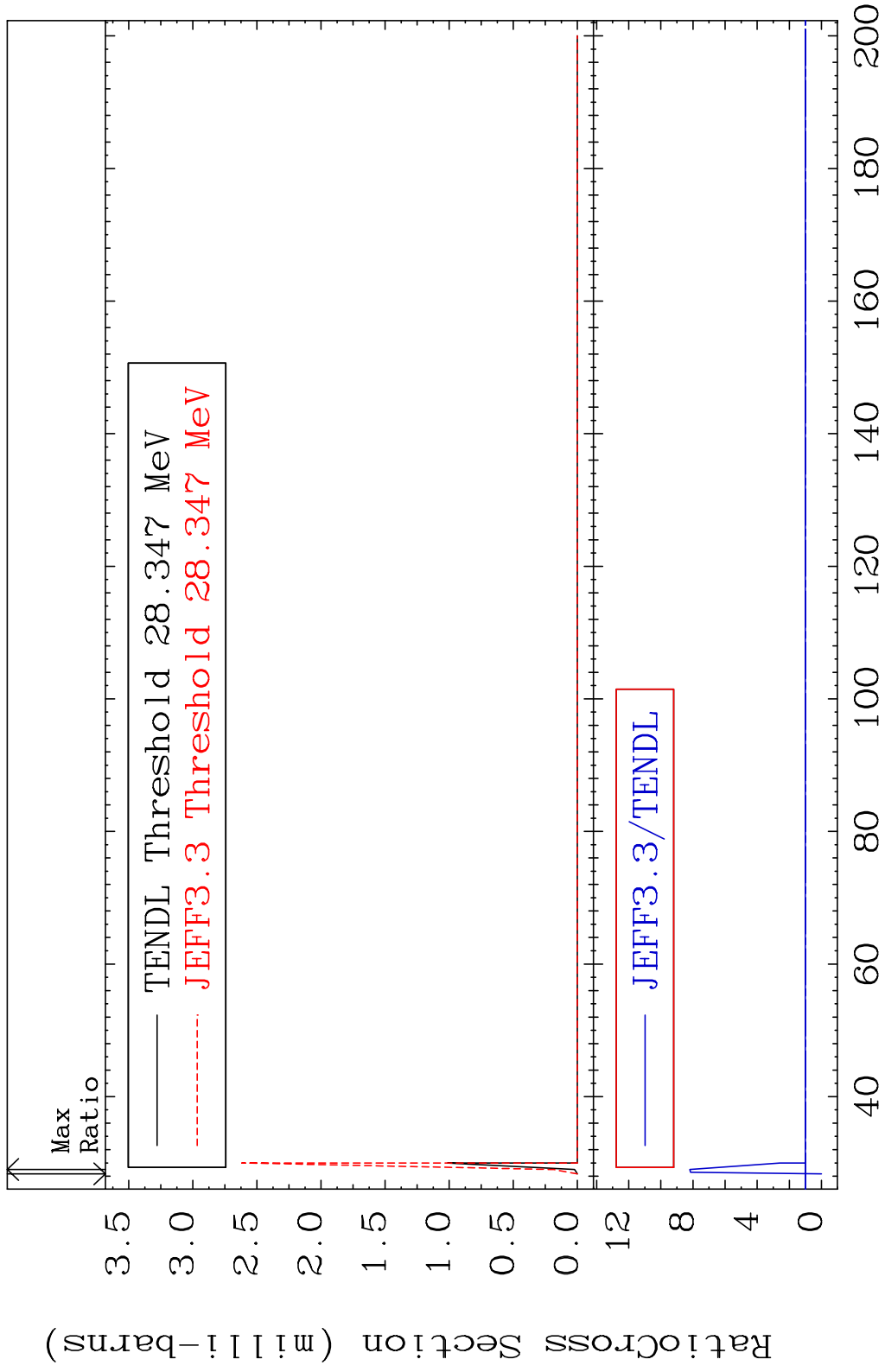




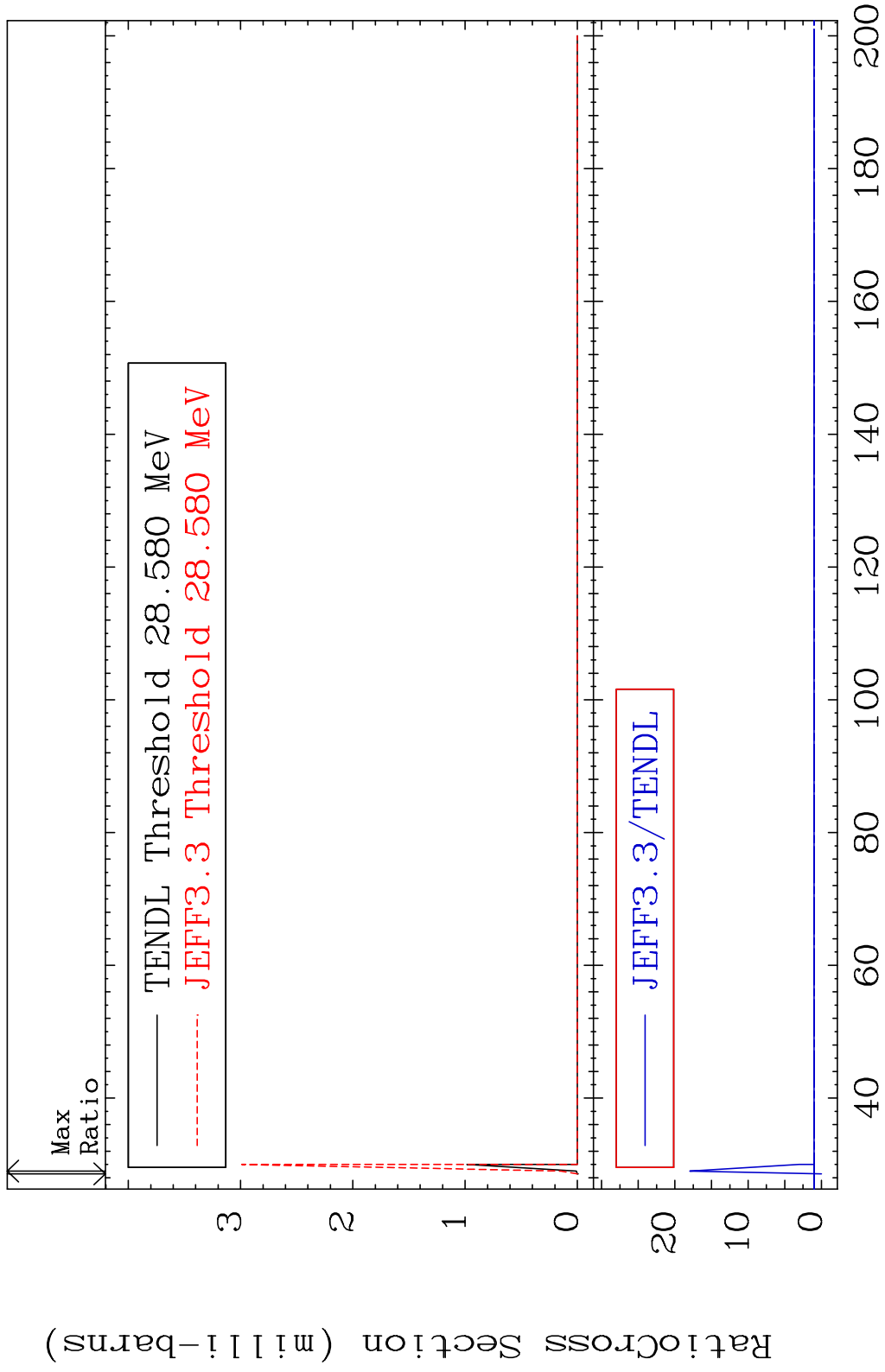
MAT 6025 (n, n') He-3:58-Ce-139m2 60-Nd-142
 Radionuclide Production Cross Section 142.8 %



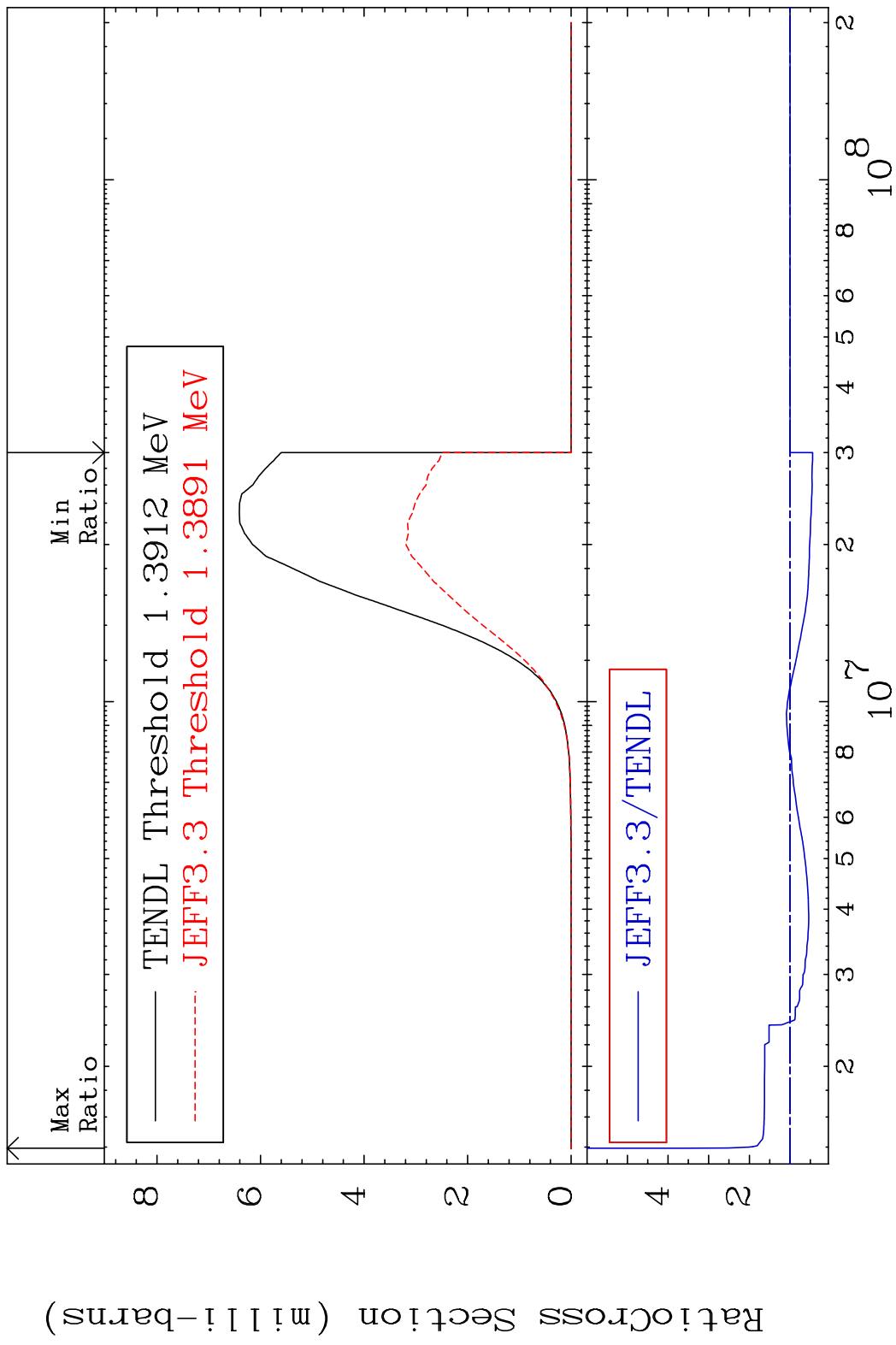
MAT 6025 (n,4n):60-Nd-139g 60-Nd-142
 Radionuclide Production Cross Section 180.01 dth 719.9 %

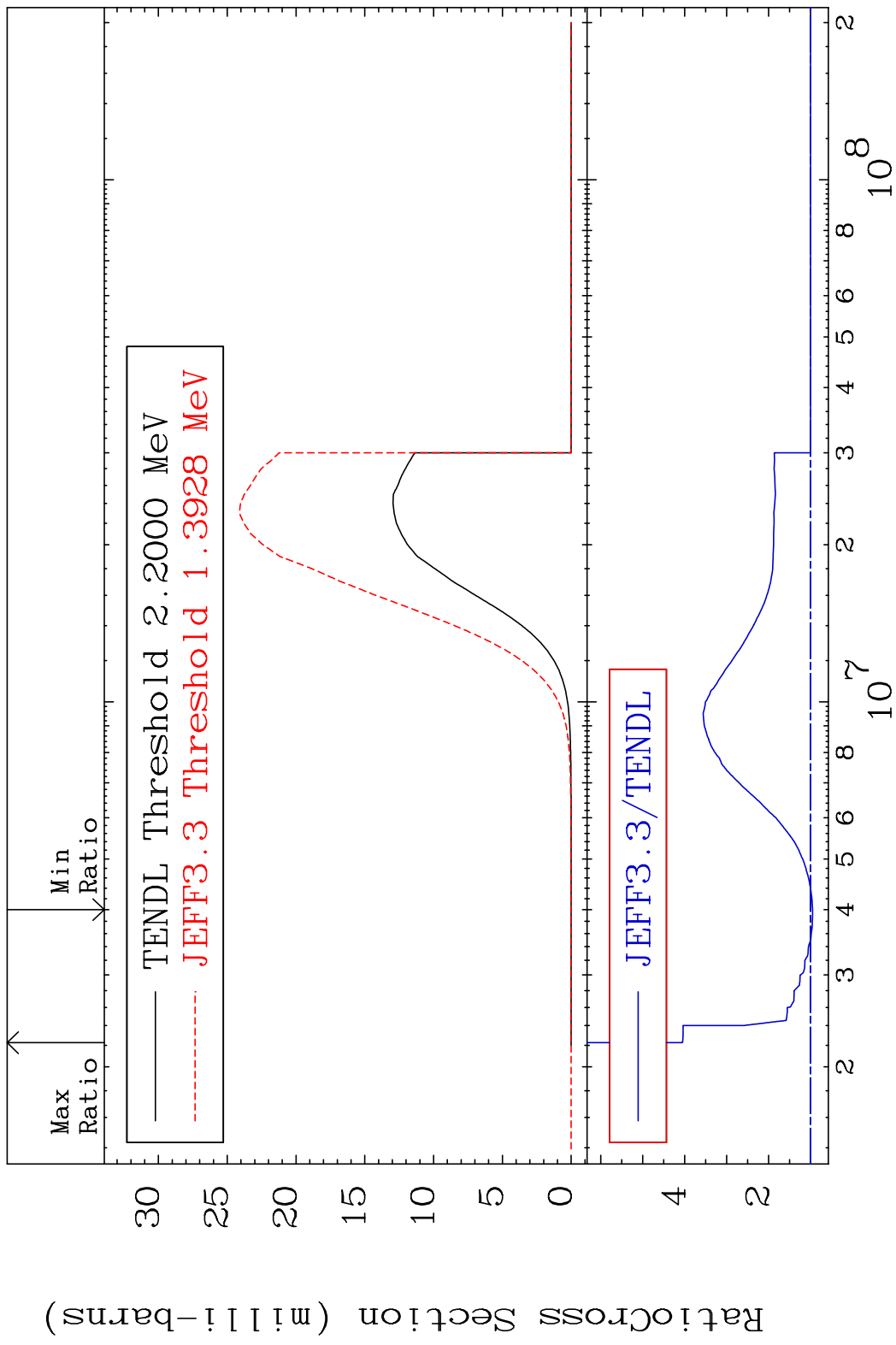


MAT 6025 (n, 4n):60-Nd-139m2 60-Nd-142
 Radionuclide Production Cross Section 180.01 dth 1697. %

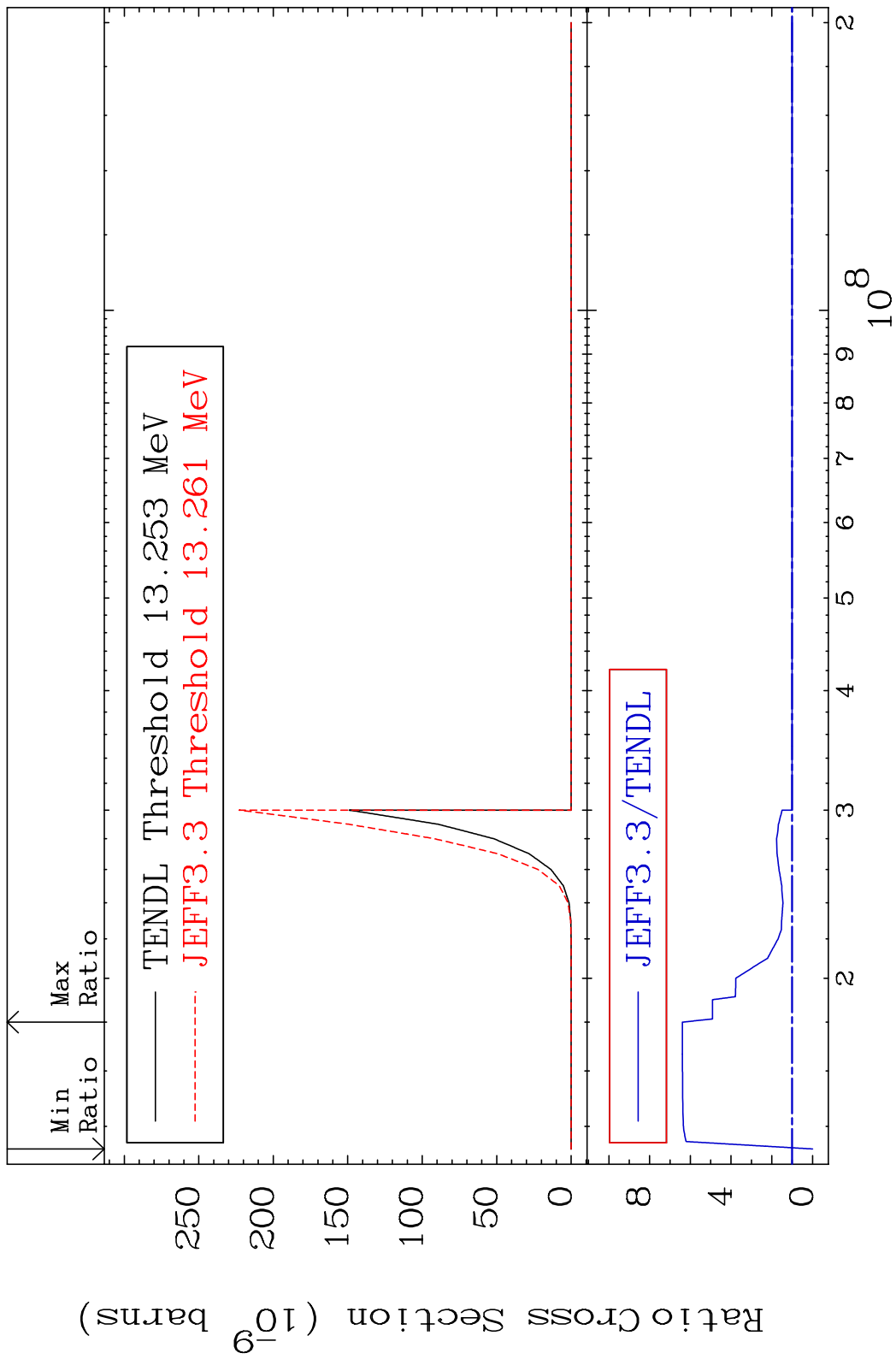


MAT 6025 (n,p):59-Pr-142g 60-Nd-142
 Radionuclide Production Cross Section 55eV to 264.8 %

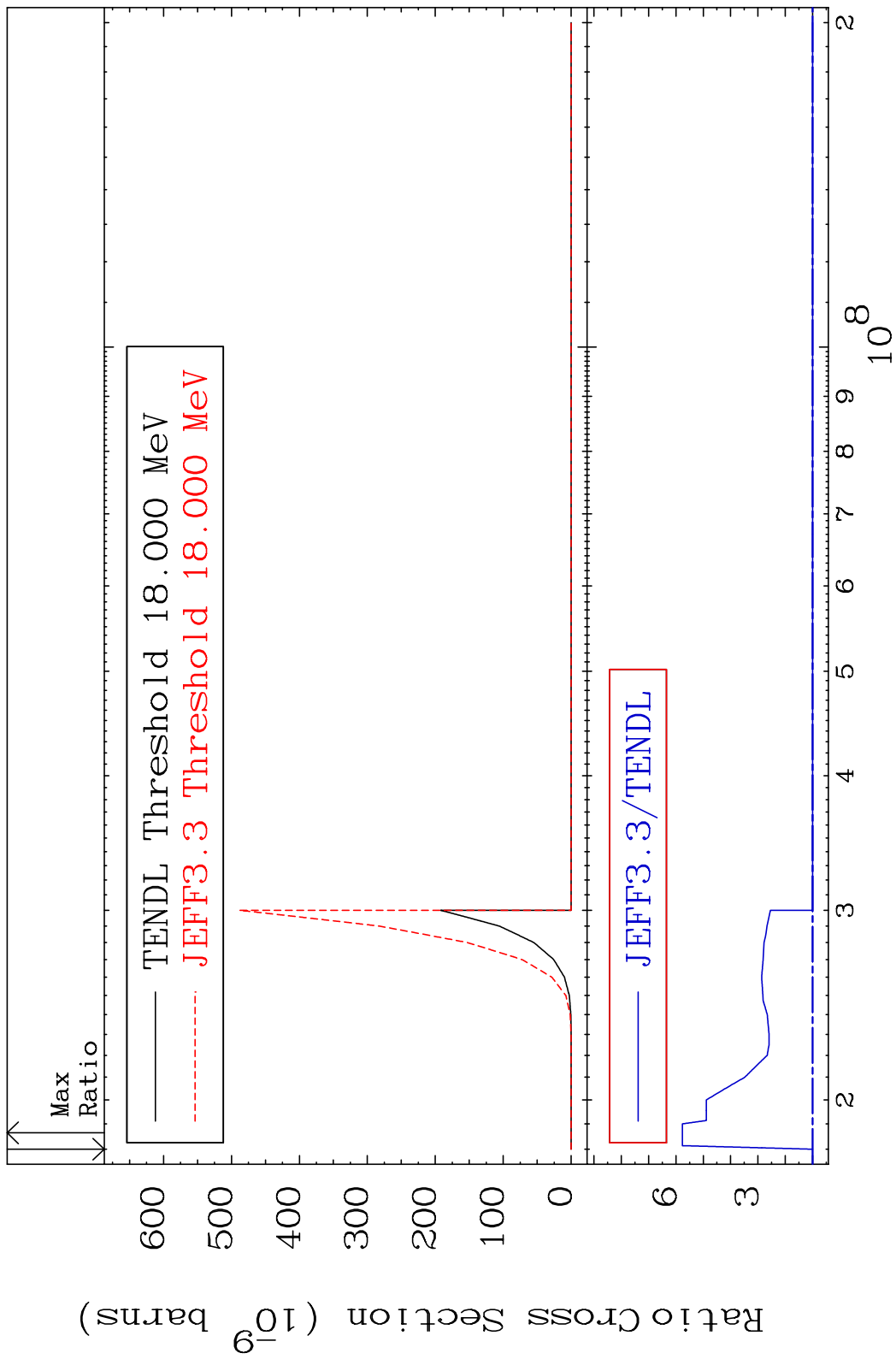




MAT 6025 (n,p) t:58-Ce-139g 60-Nd-142
 Radionuclide Production Cross Section 180.01 dth 539.2 %



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



90 Incident Energy (eV) 60-Nd-142