

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

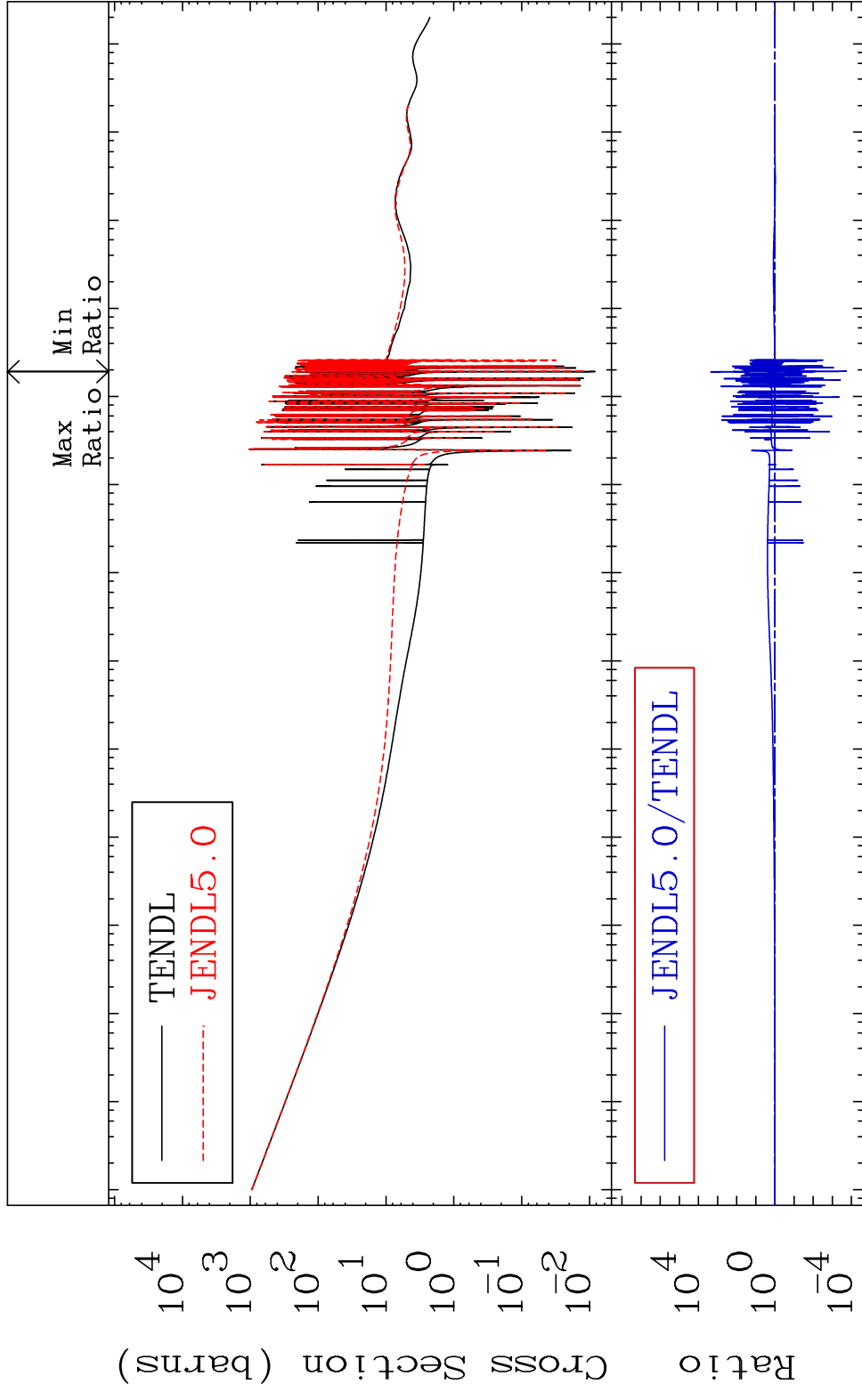
MAT 6025

Total

60-Nd-142

Cross Section

-99.98 To 9999. %



1

Incident Energy (eV)

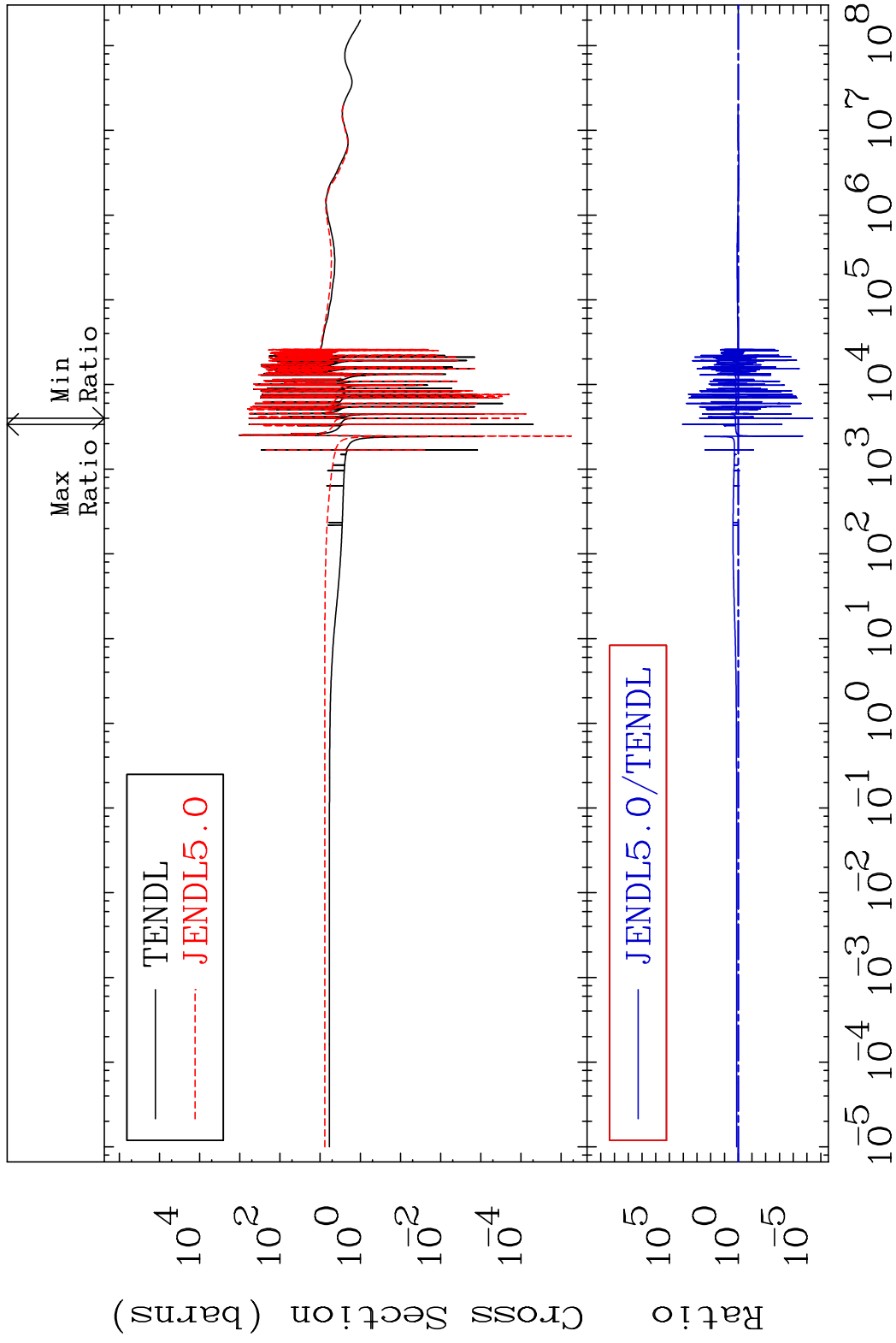
60-Nd-142

MAT 6025

Elastic

60-Nd-142

Cross Section -100.0 To 9999. %



2

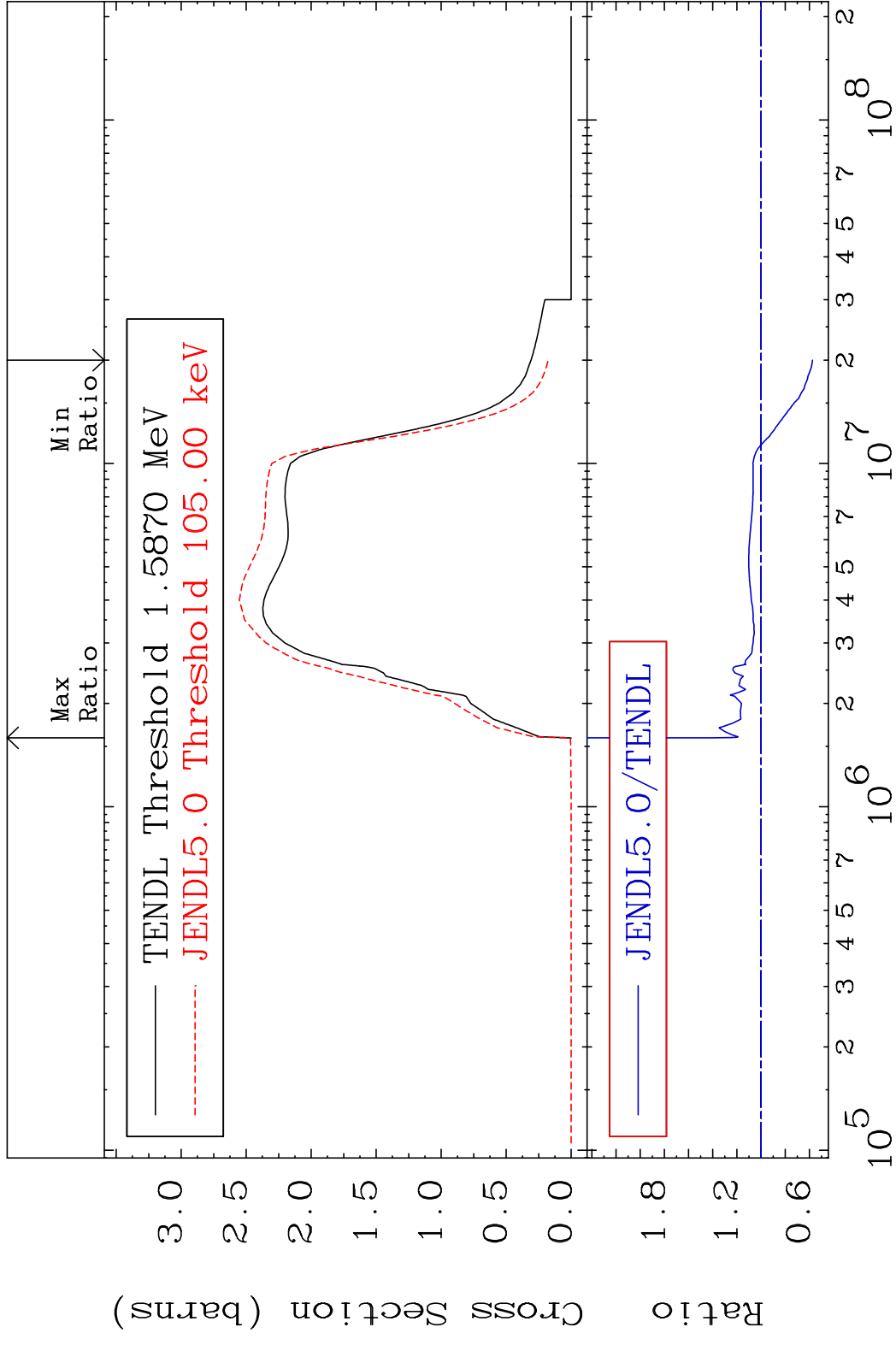
Incident Energy (eV)

60-Nd-142

MAT 6025

Inelastic
Cross Section -42.62 To 65.10 %

60-Nd-142



3

Incident Energy (eV)

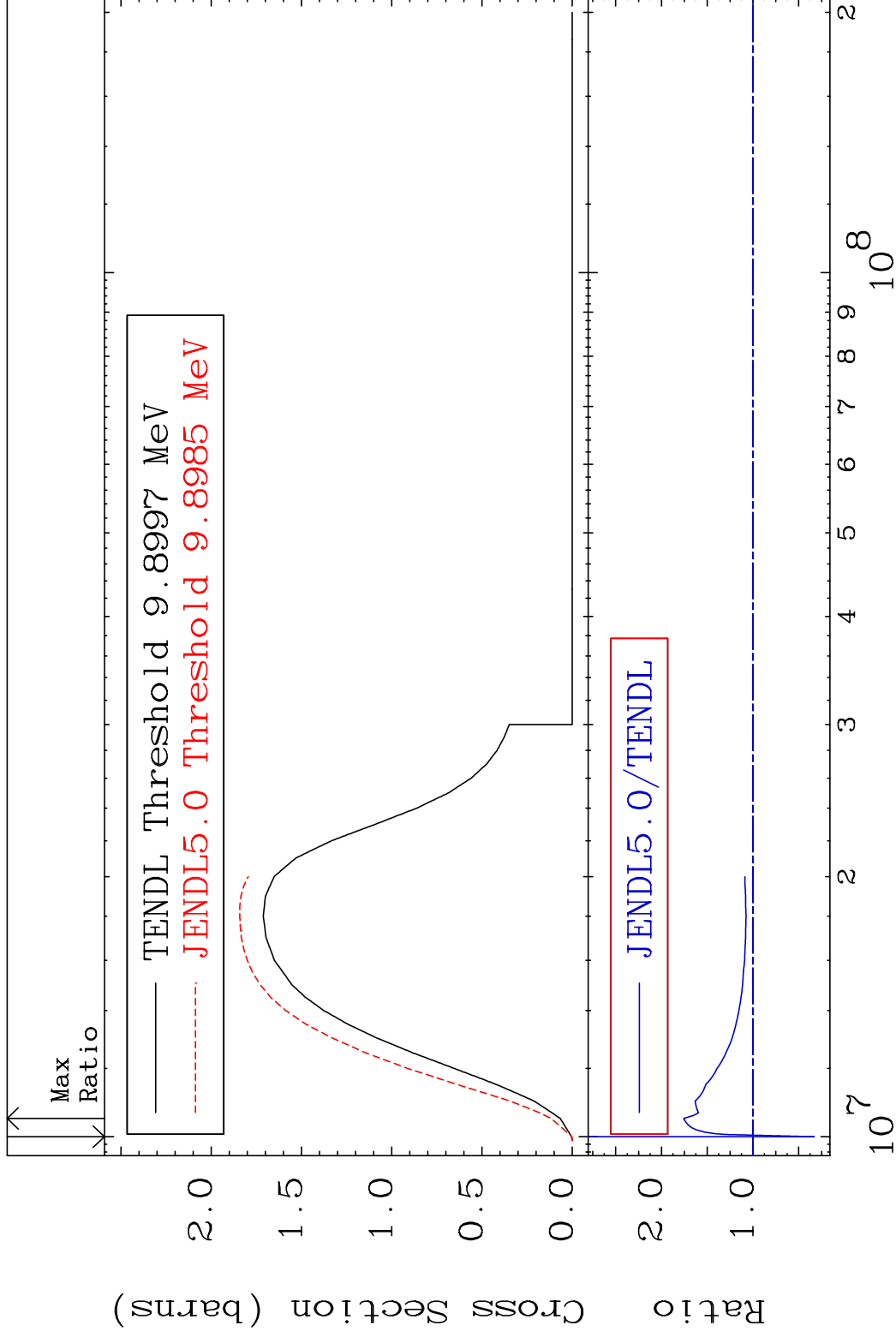
60-Nd-142

MAT 6025

(n,2n)

60-Nd-142

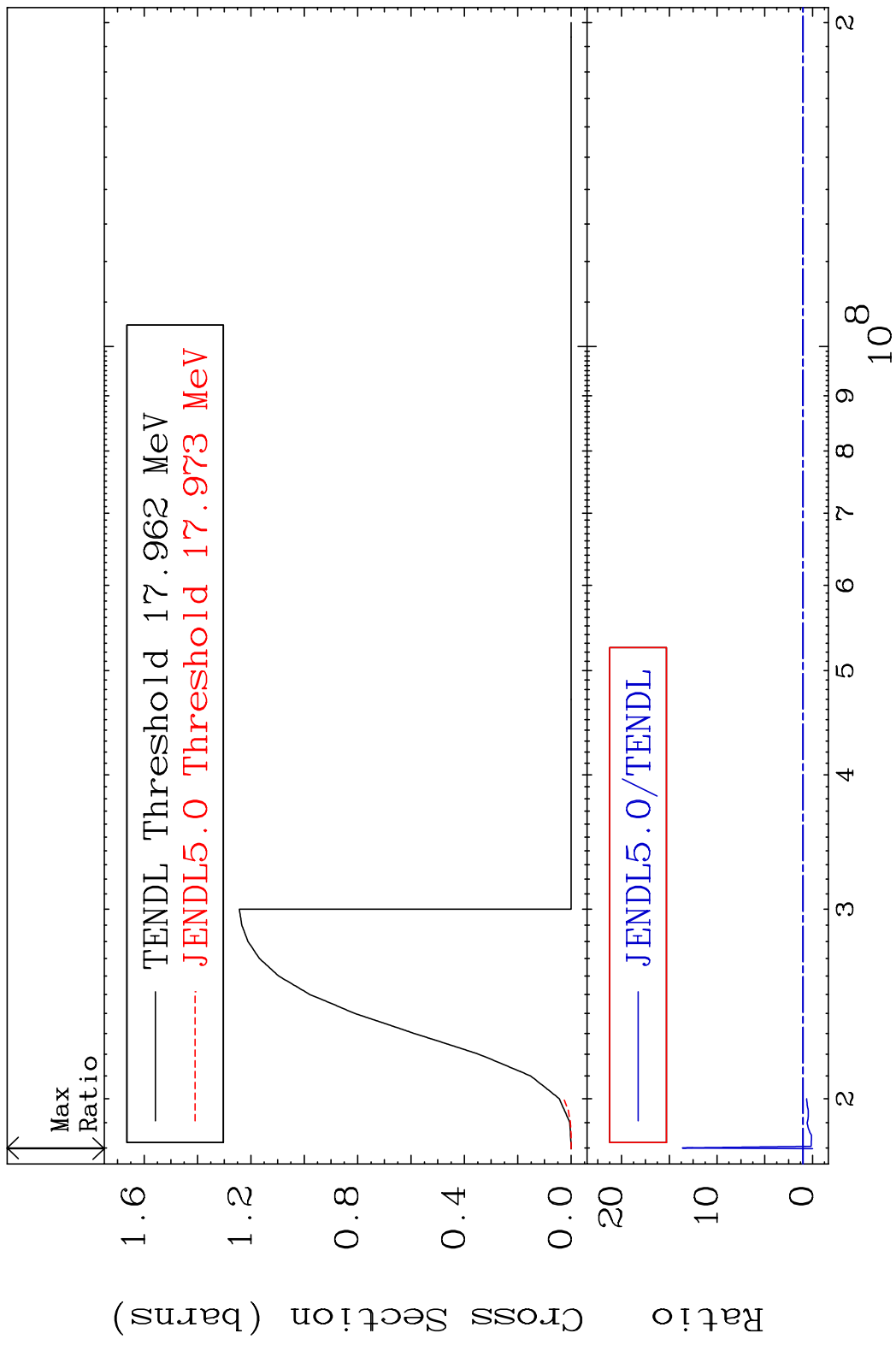
Cross Section -66.82 To 75.74 %



Incident Energy (eV)

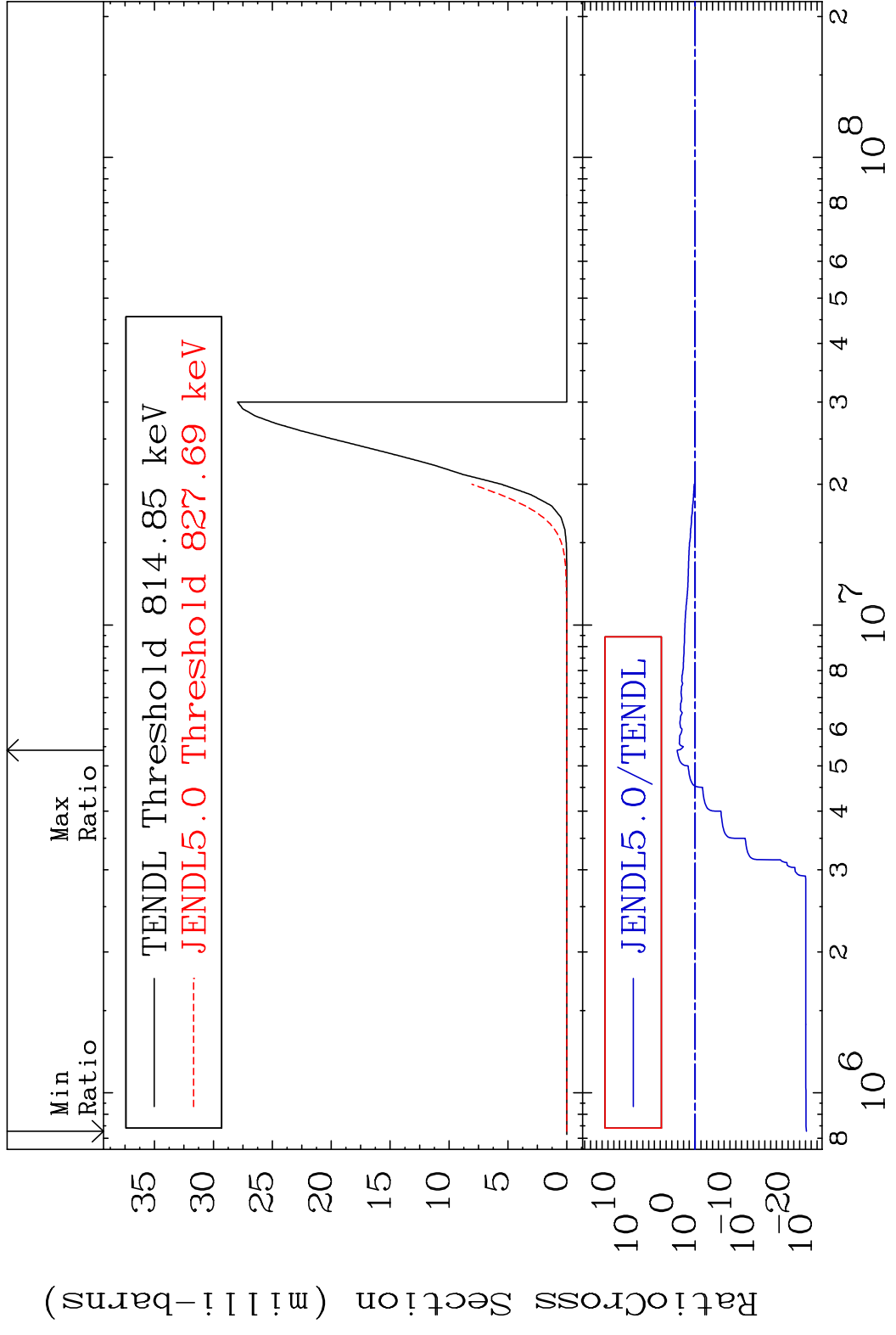
60-Nd-142

MAT 6025 (n,3n) 60-Nd-142
 Cross Section -100.0 To 1264. %



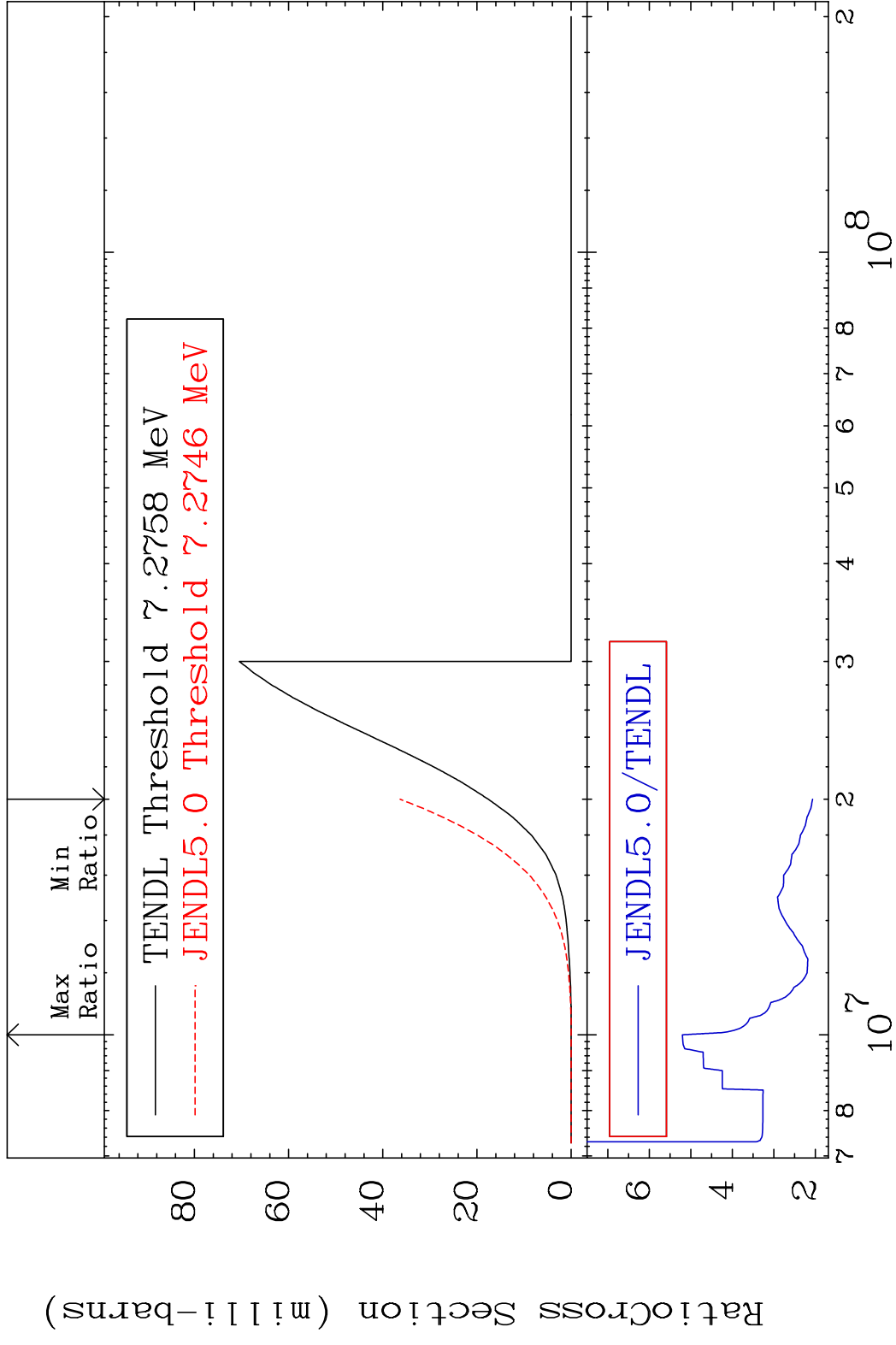
5 5 Incident Energy (eV) 60-Nd-142

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



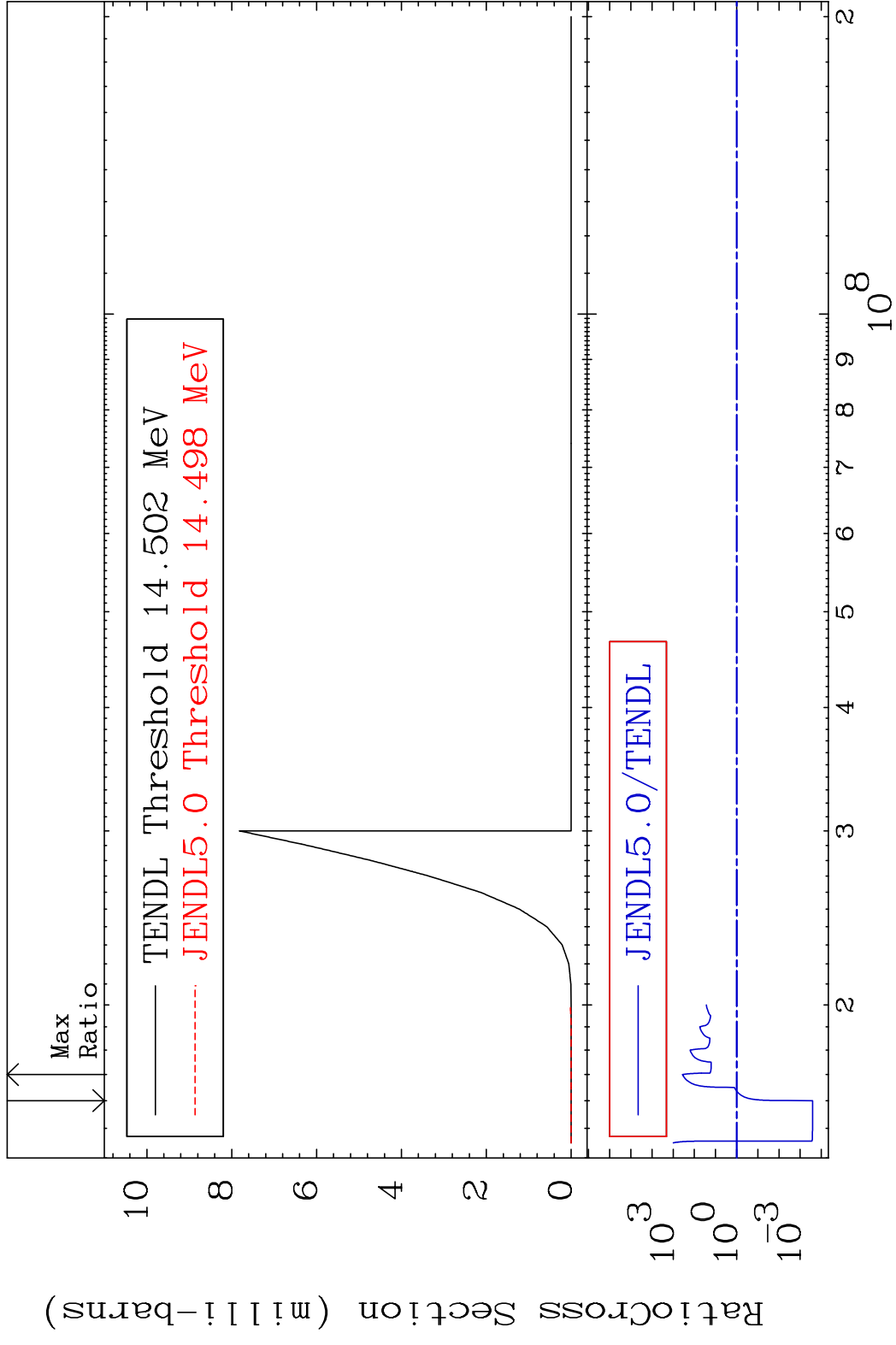
6 60-Nd-142

MAT 6025 (n, n') p 60-Nd-142
 Cross Section 106.5 To 420.2 %

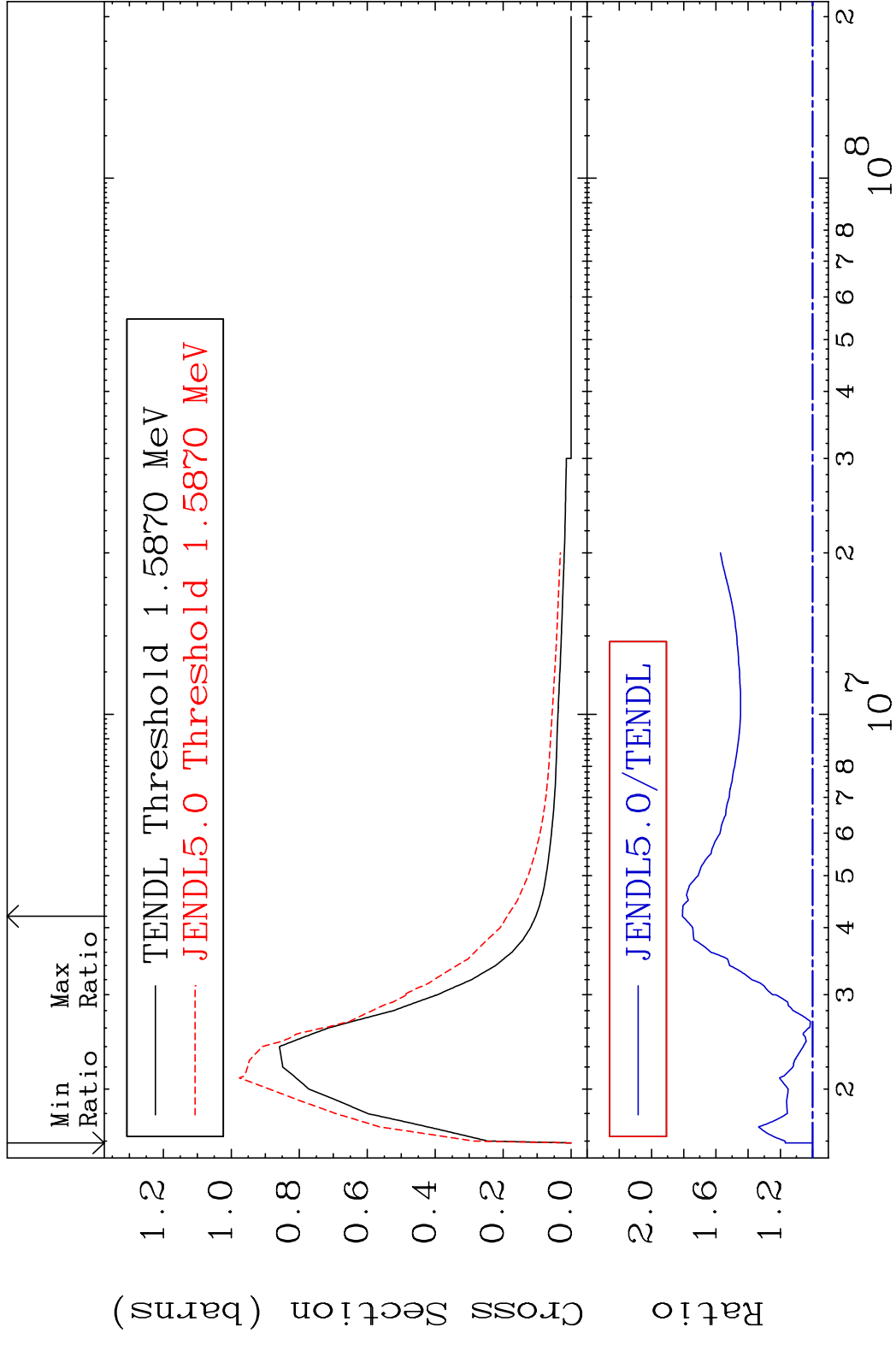


7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 60-Nd-142

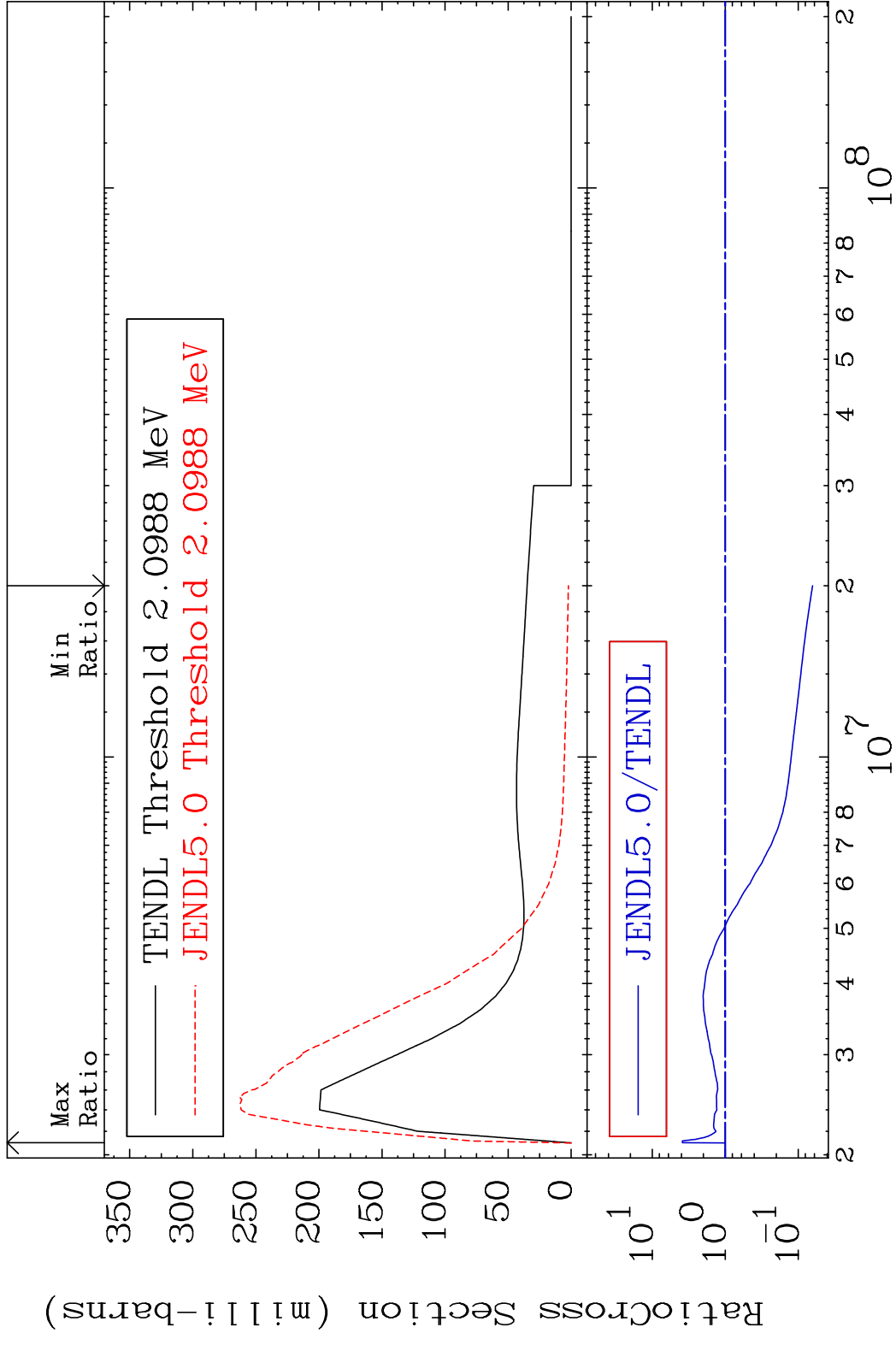
MAT 6025 (n, n') d 60-Nd-142
 Cross Section -99.97 To 9999. %



MAT 6025 MT= 51 (n,n') Level 60-Nd-142
 Cross Section 0.000 To 80.85 %

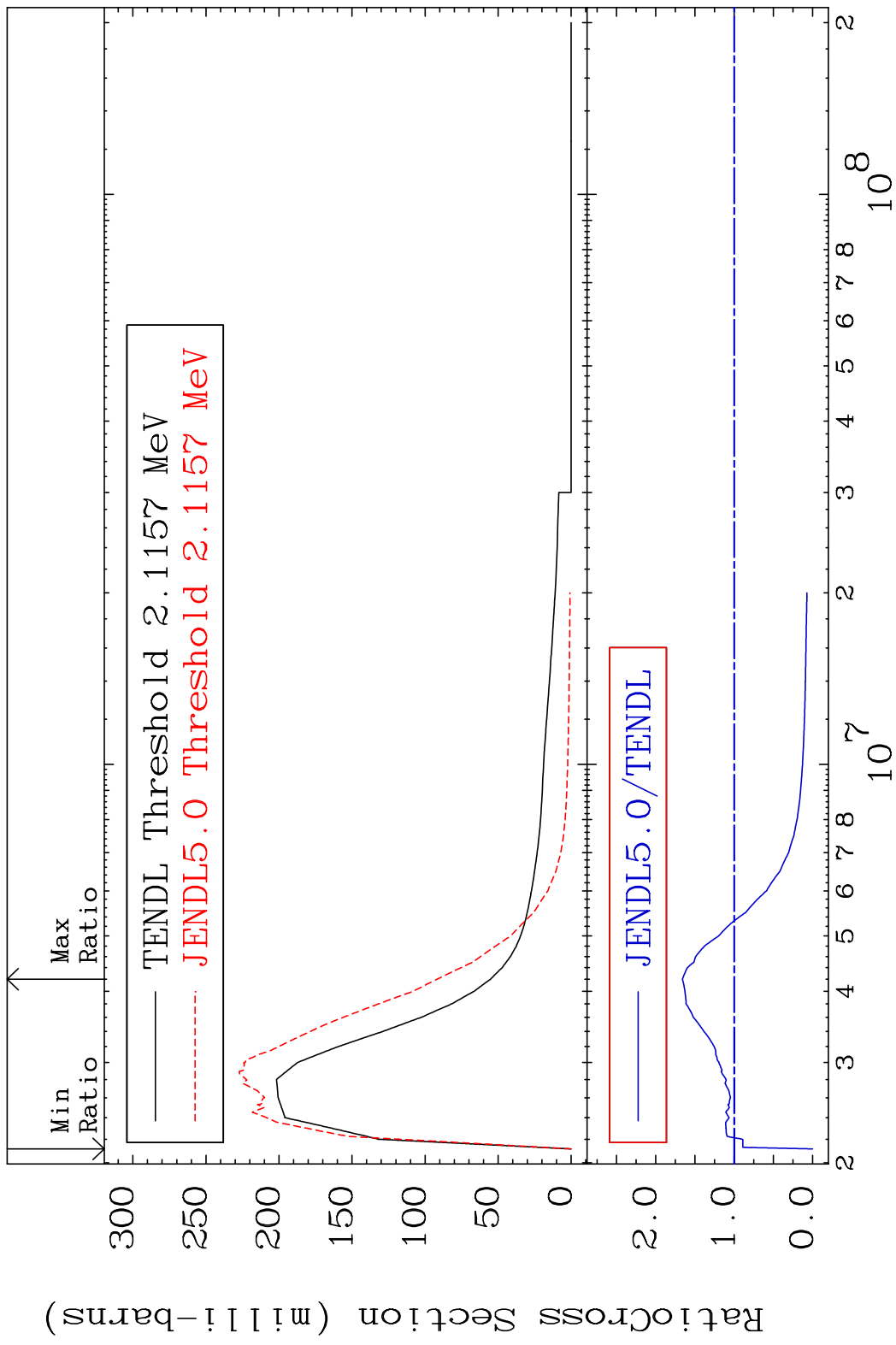


MAT 6025 MT= 52 (n, n') Level 60-Nd-142
 Cross Section -93.64 To 287.9 %



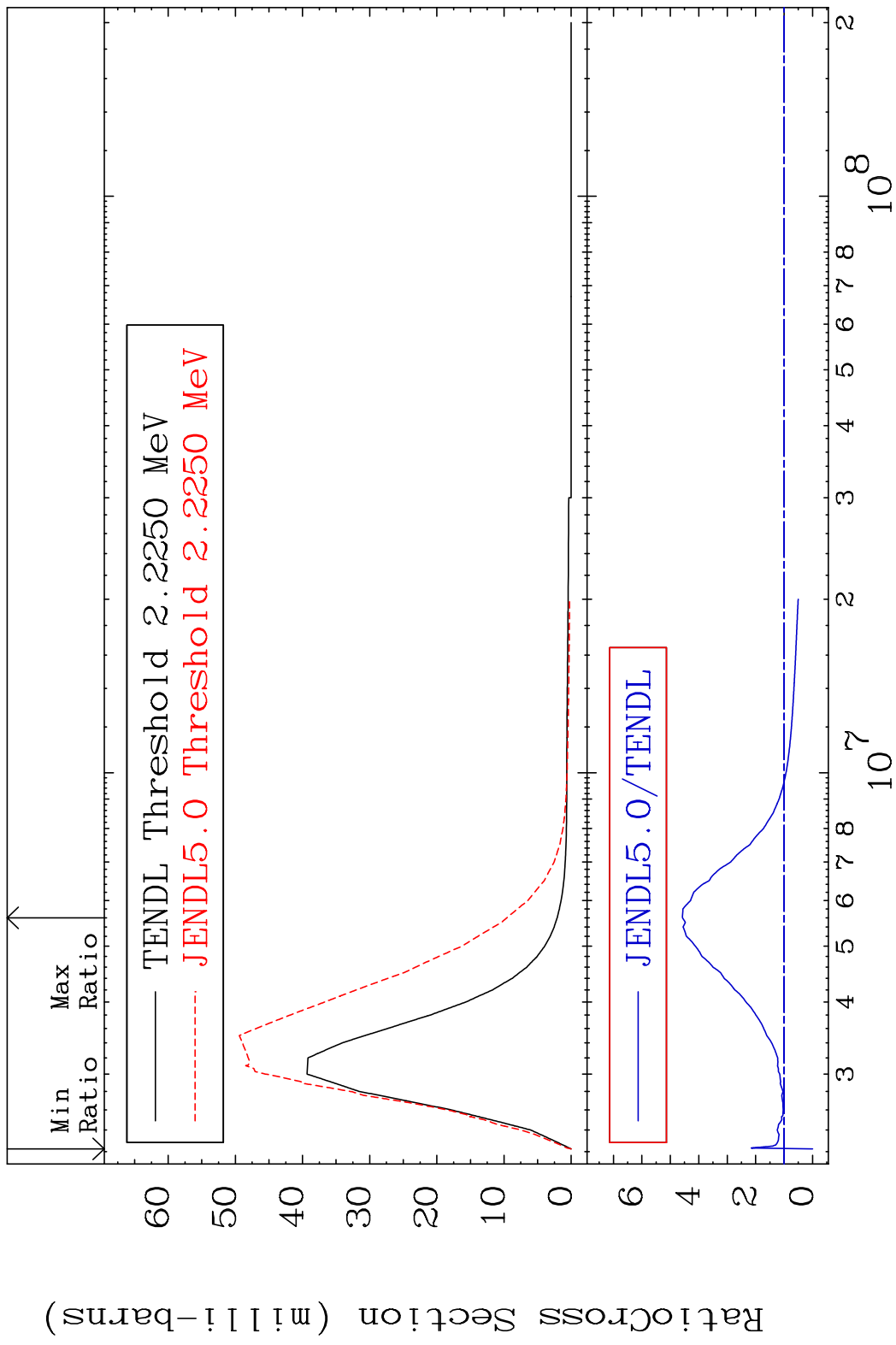
10 10 Incident Energy (eV) 60-Nd-142

MAT 6025 MT= 53 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 66.11 %

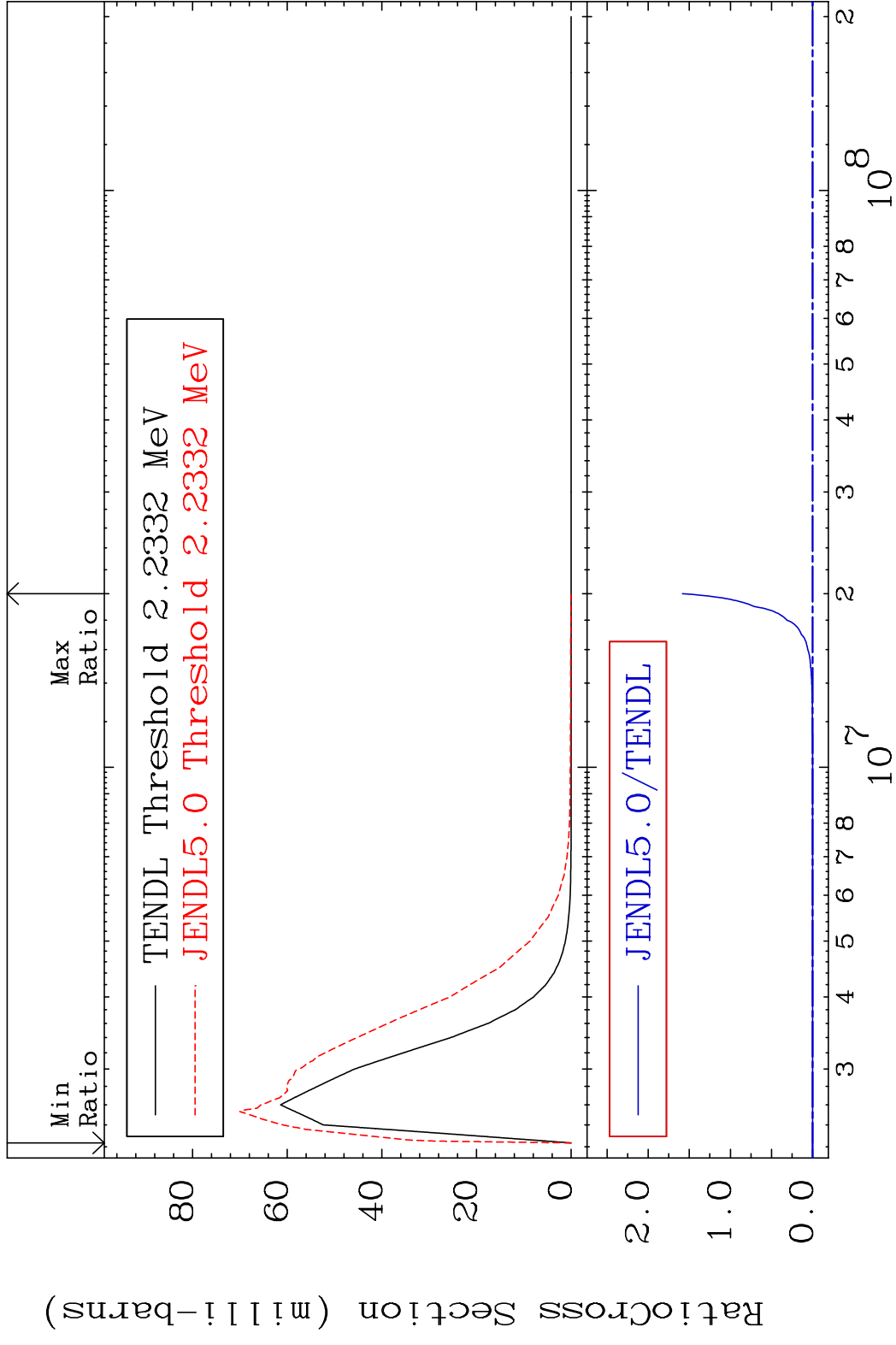


11 Incident Energy (eV) 60-Nd-142

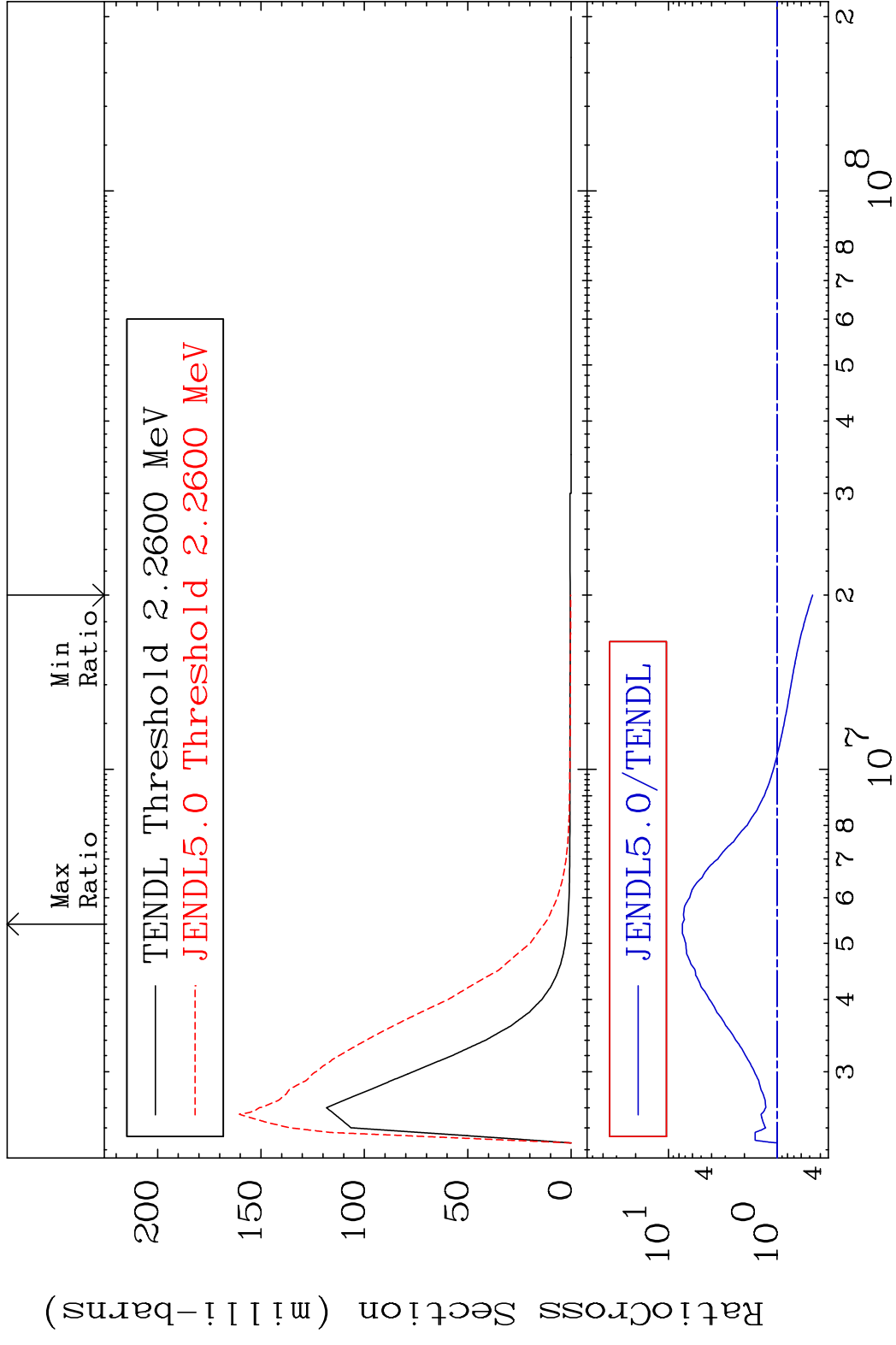
MAT 6025 MT= 54 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 357.7 %



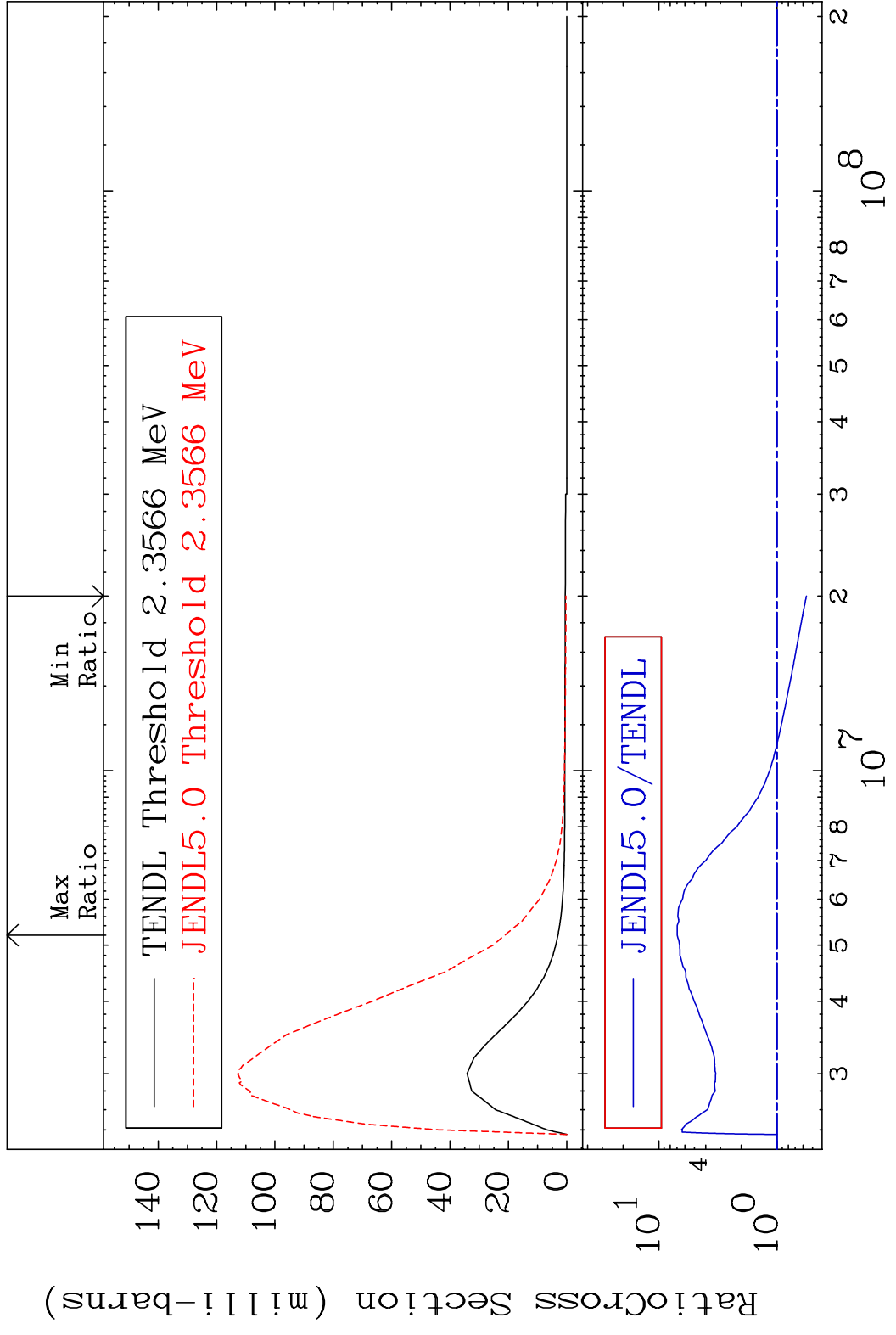
MAT 6025 MT= 55 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 9999. %



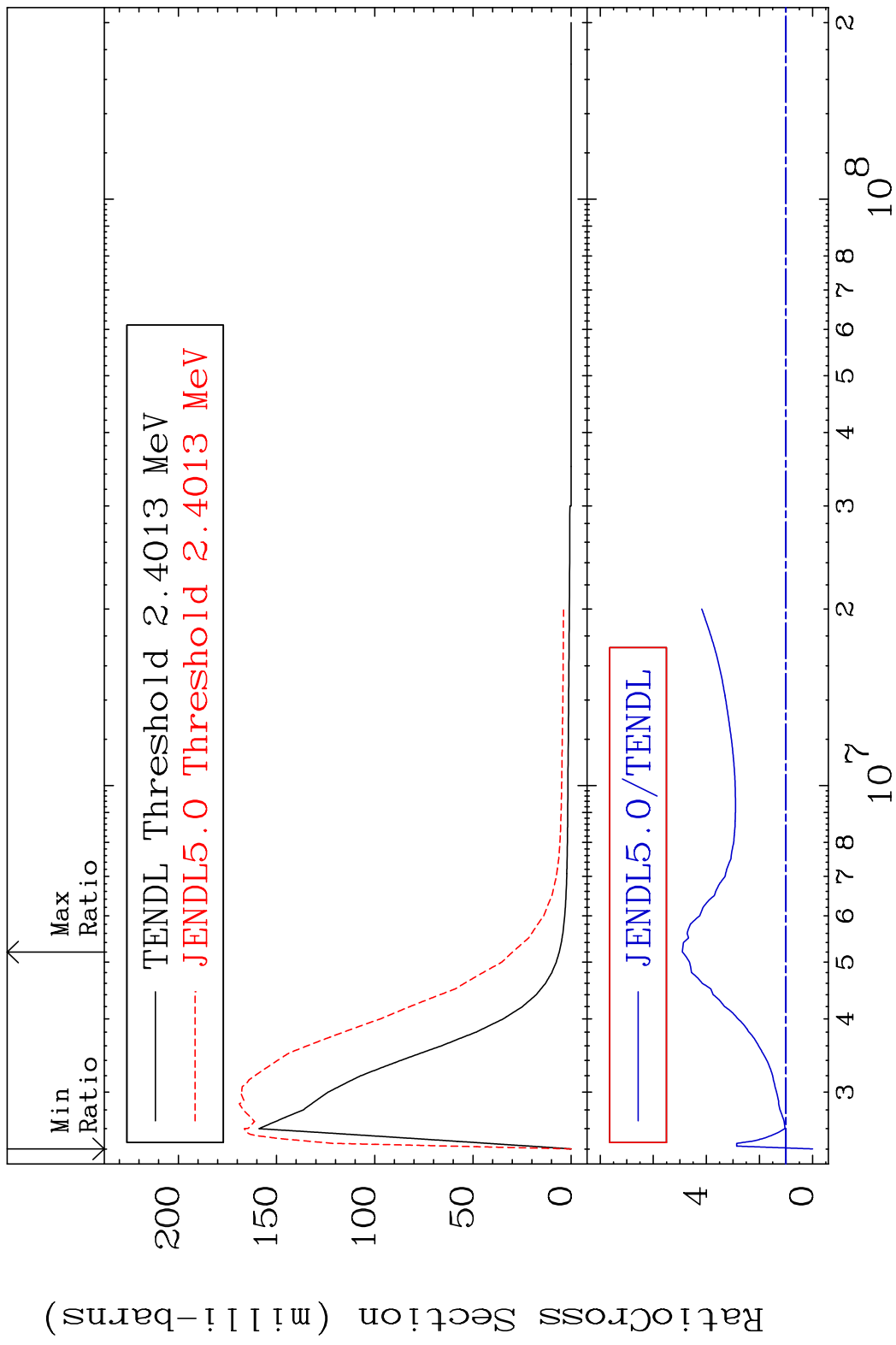
MAT 6025 MT= 56 (n,n') Level 60-Nd-142
 Cross Section -52.91 To 643.6 %



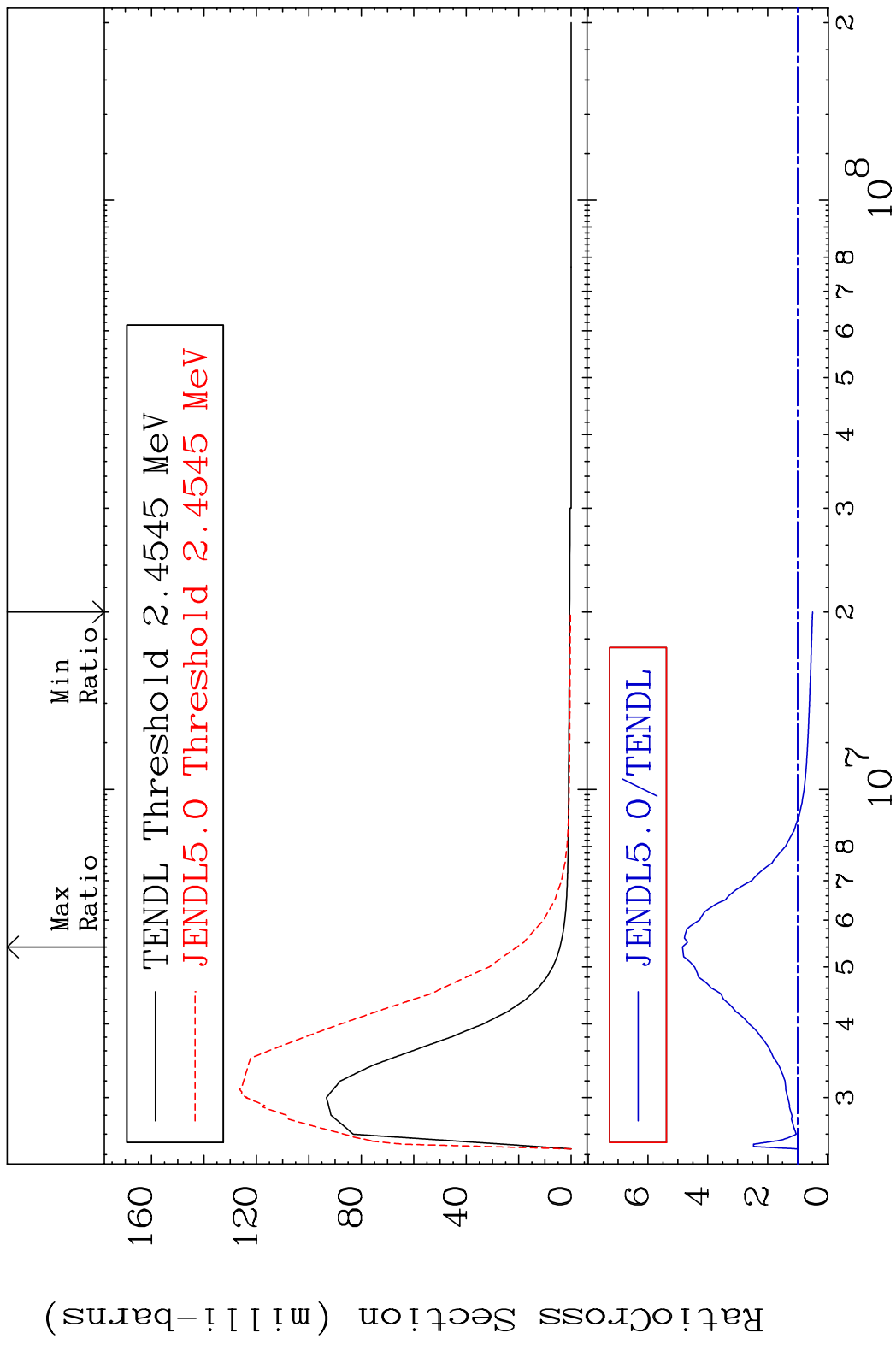
MAT 6025 MT= 57 (n, n') Level 60-Nd-142
 Cross Section -43.71 To 598.6 %



MAT 6025 MT= 58 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 390.5 %

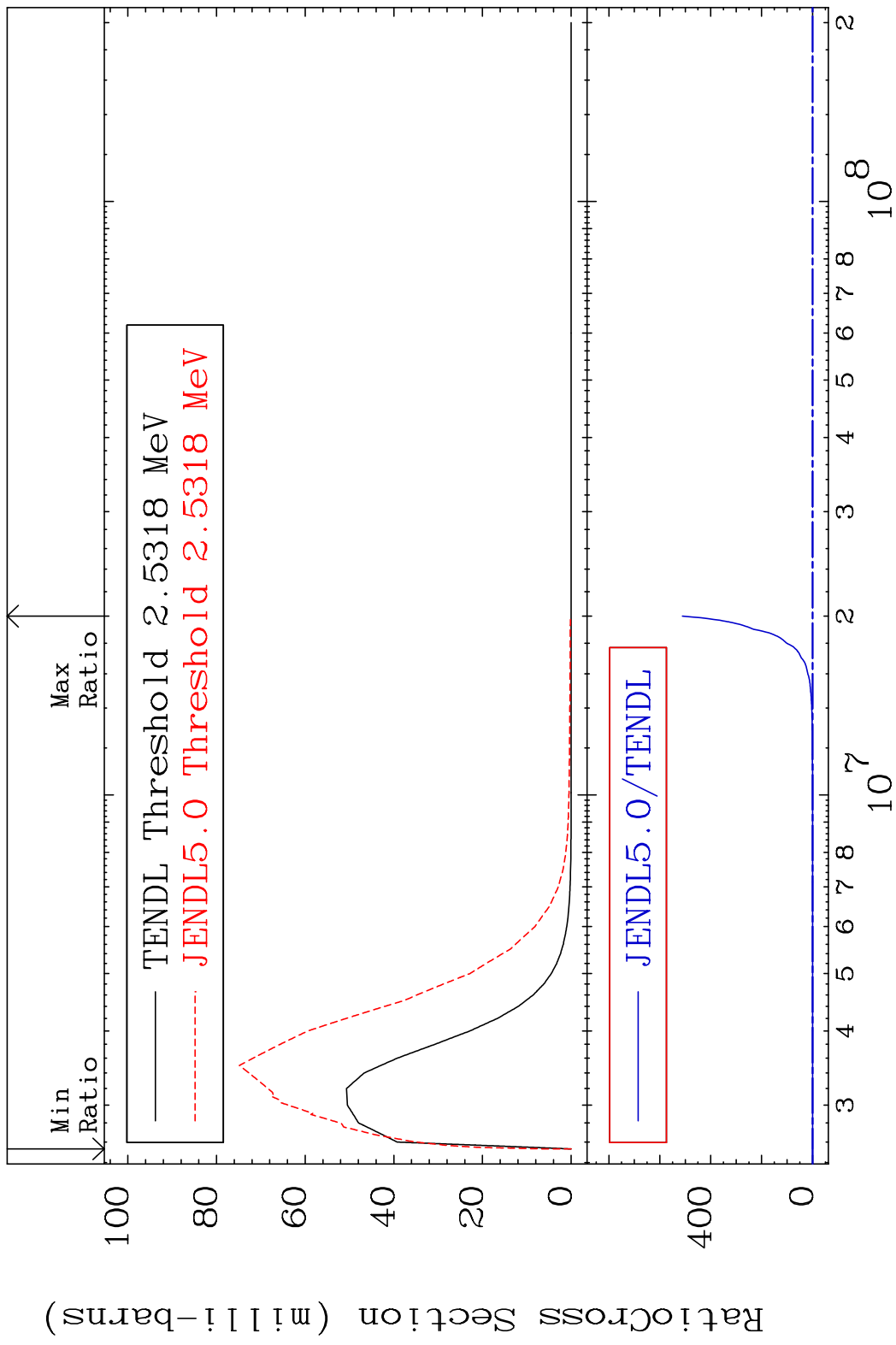


MAT 6025 MT= 59 (n, n') Level 60-Nd-142
 Cross Section -50.45 To 385.1 %

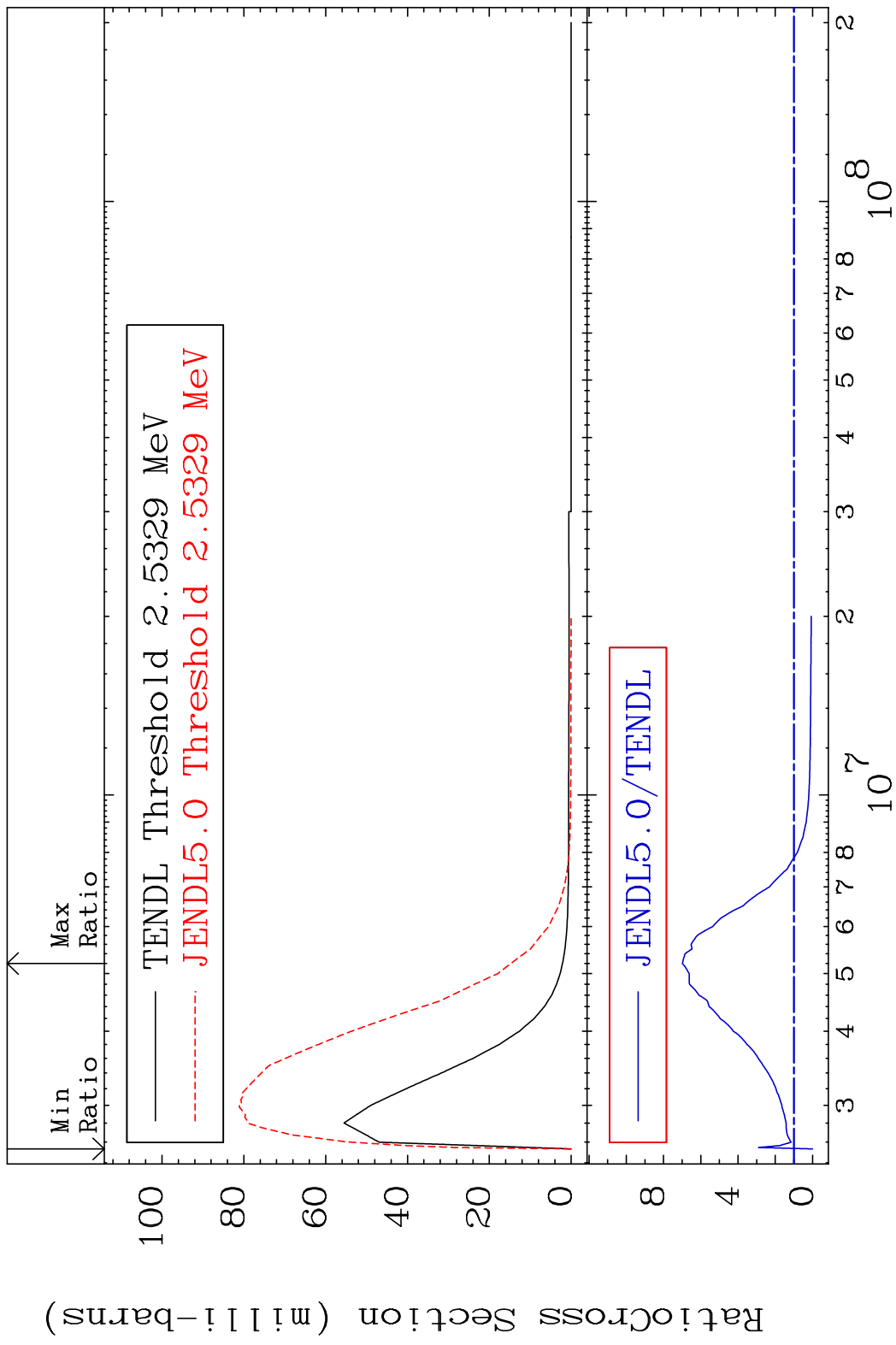


17 60-Nd-142

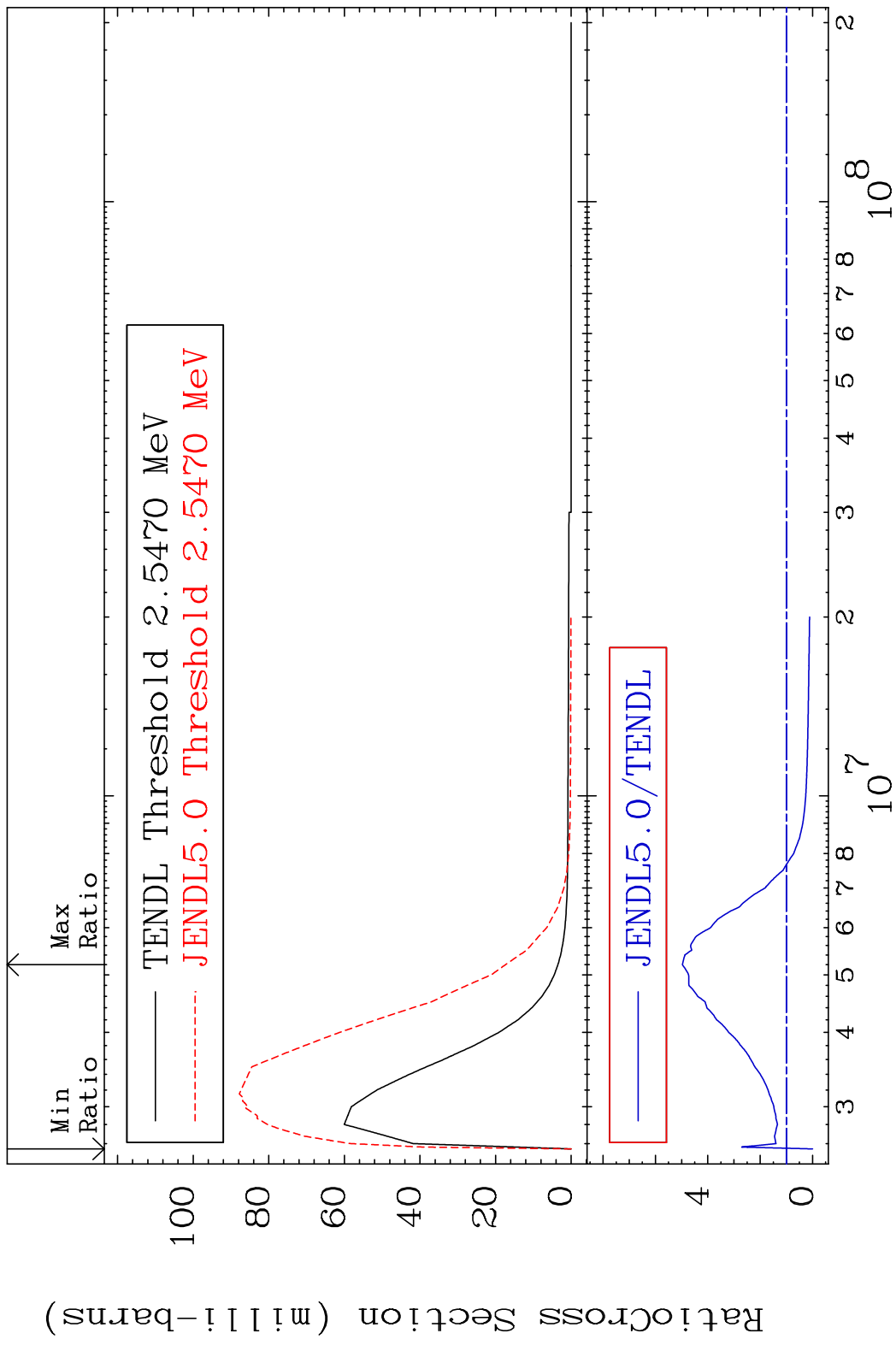
MAT 6025 MT= 60 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 9999. %



MAT 6025 MT= 61 (n,n') Level 60-Nd-142
 Cross Section -100.0 To 599.0 %

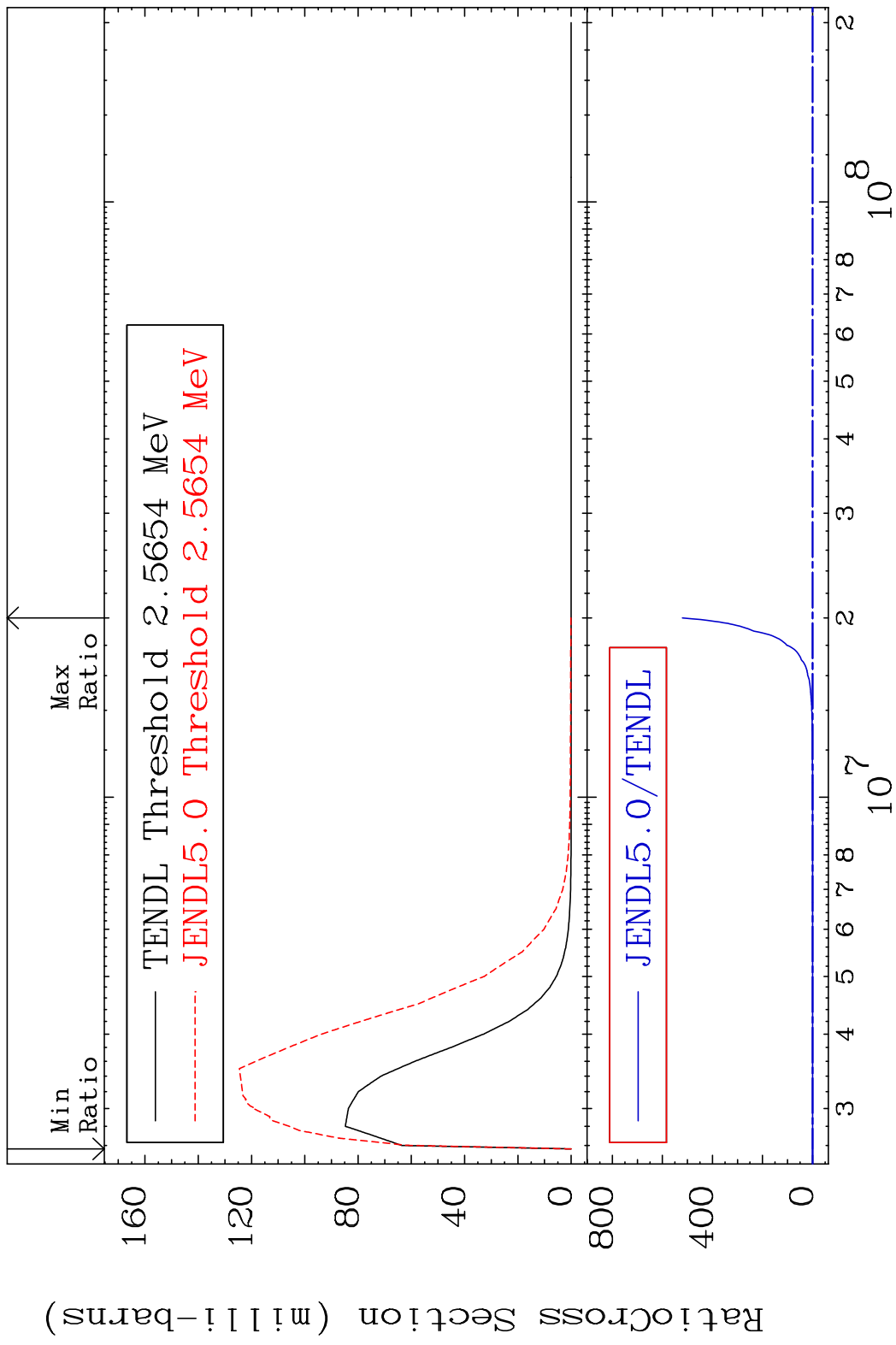


MAT 6025 MT= 62 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 397.2 %

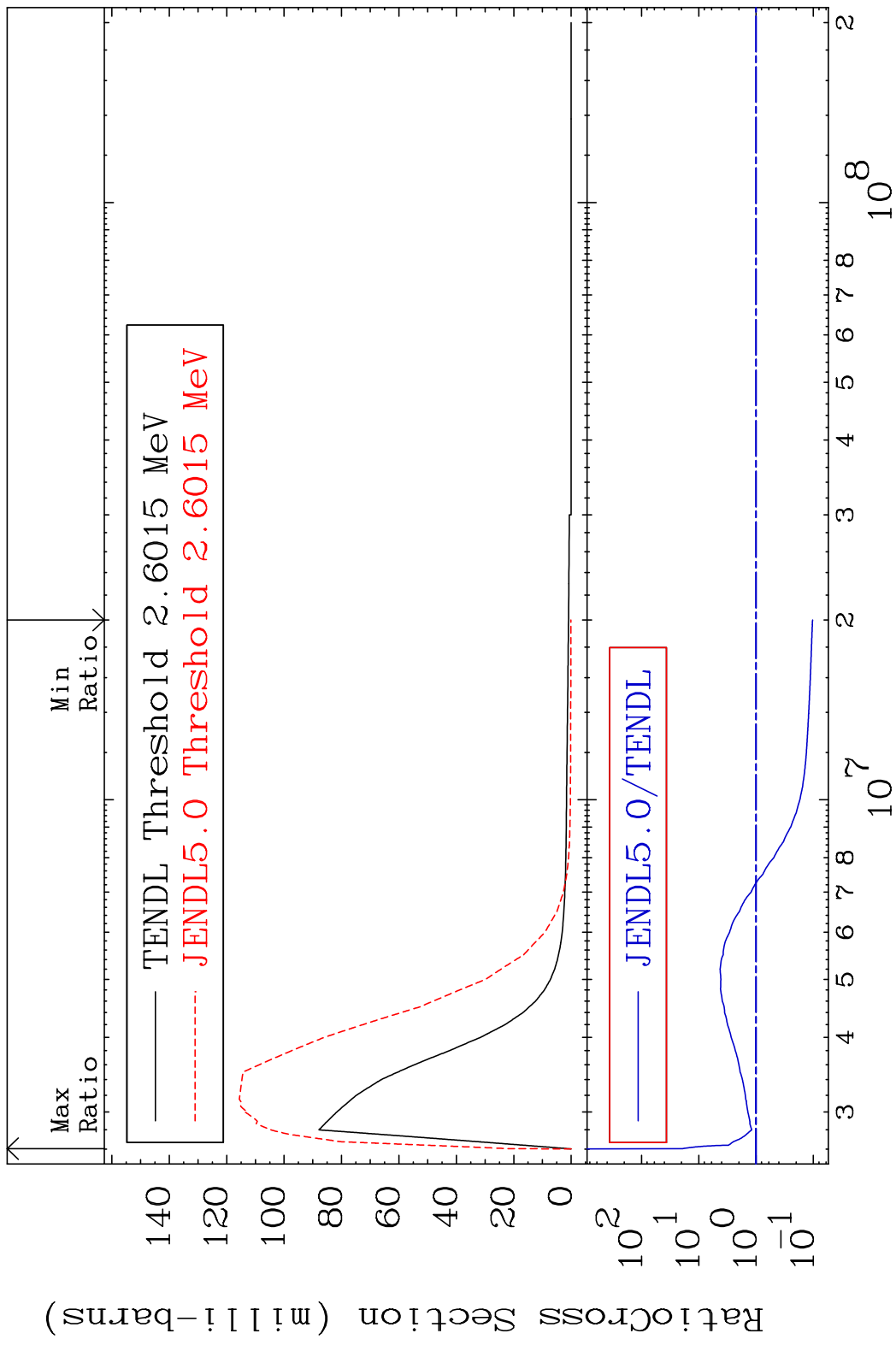


20 60-Nd-142

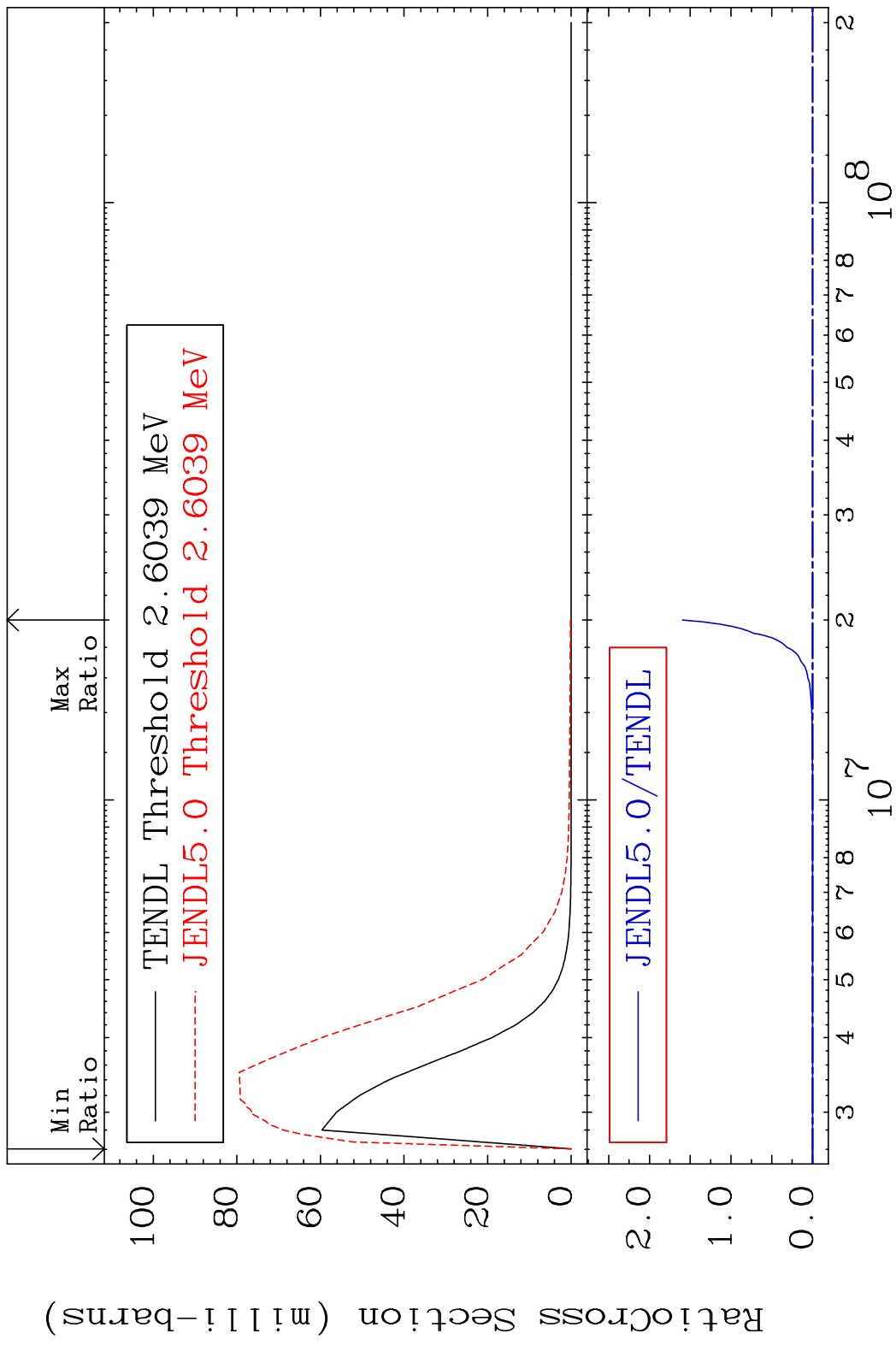
MAT 6025 MT= 63 (n, n') Level 60-Nd-142
 Cross Section -100.0 To 9999. %



MAT 6025 MT= 64 (n,n') Level 60-Nd-142
 Cross Section -89.68 To 1838. %



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

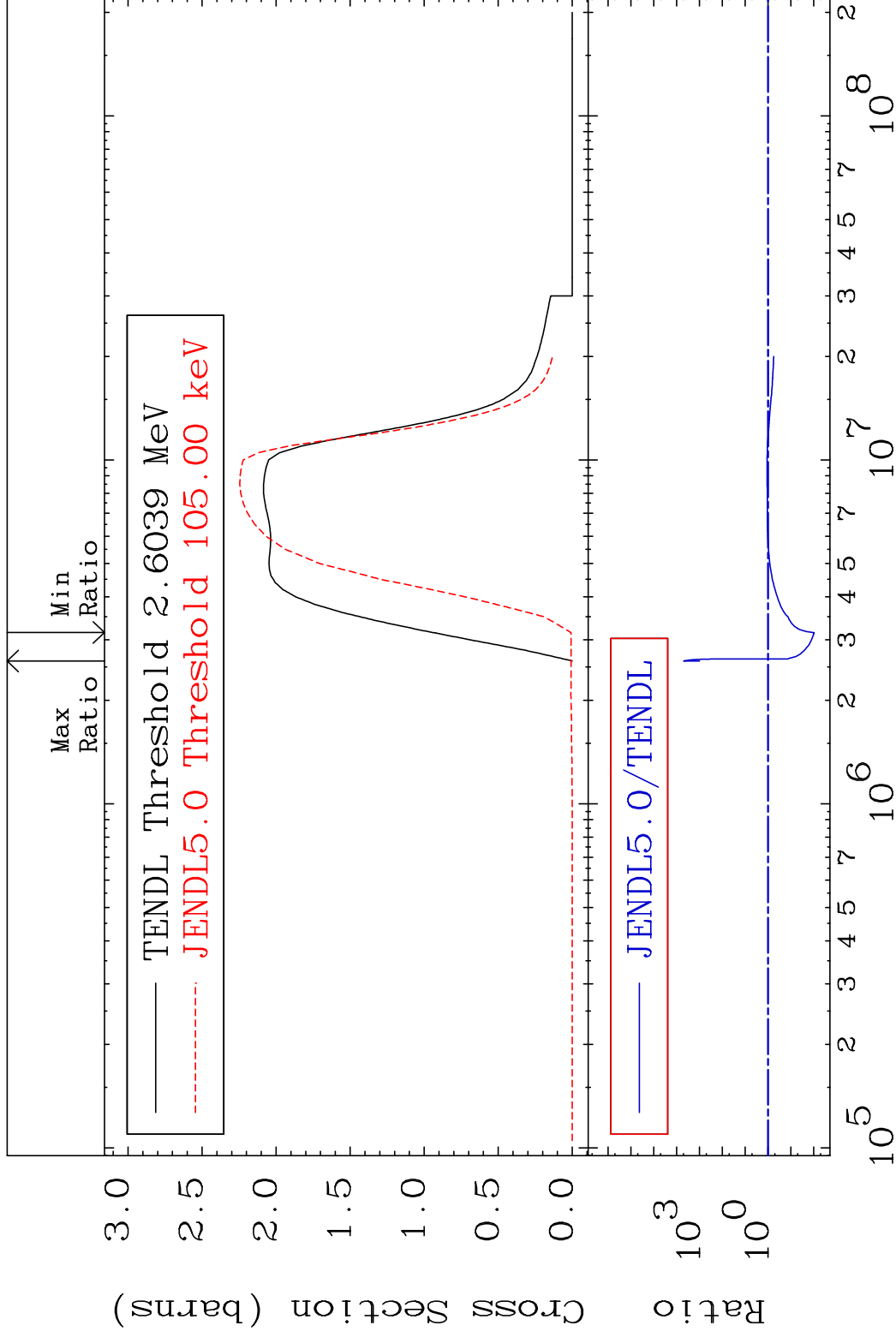


MAT 6025

(n, n') Continuum

60-Nd-142

Cross Section -99.05 To 9999. %



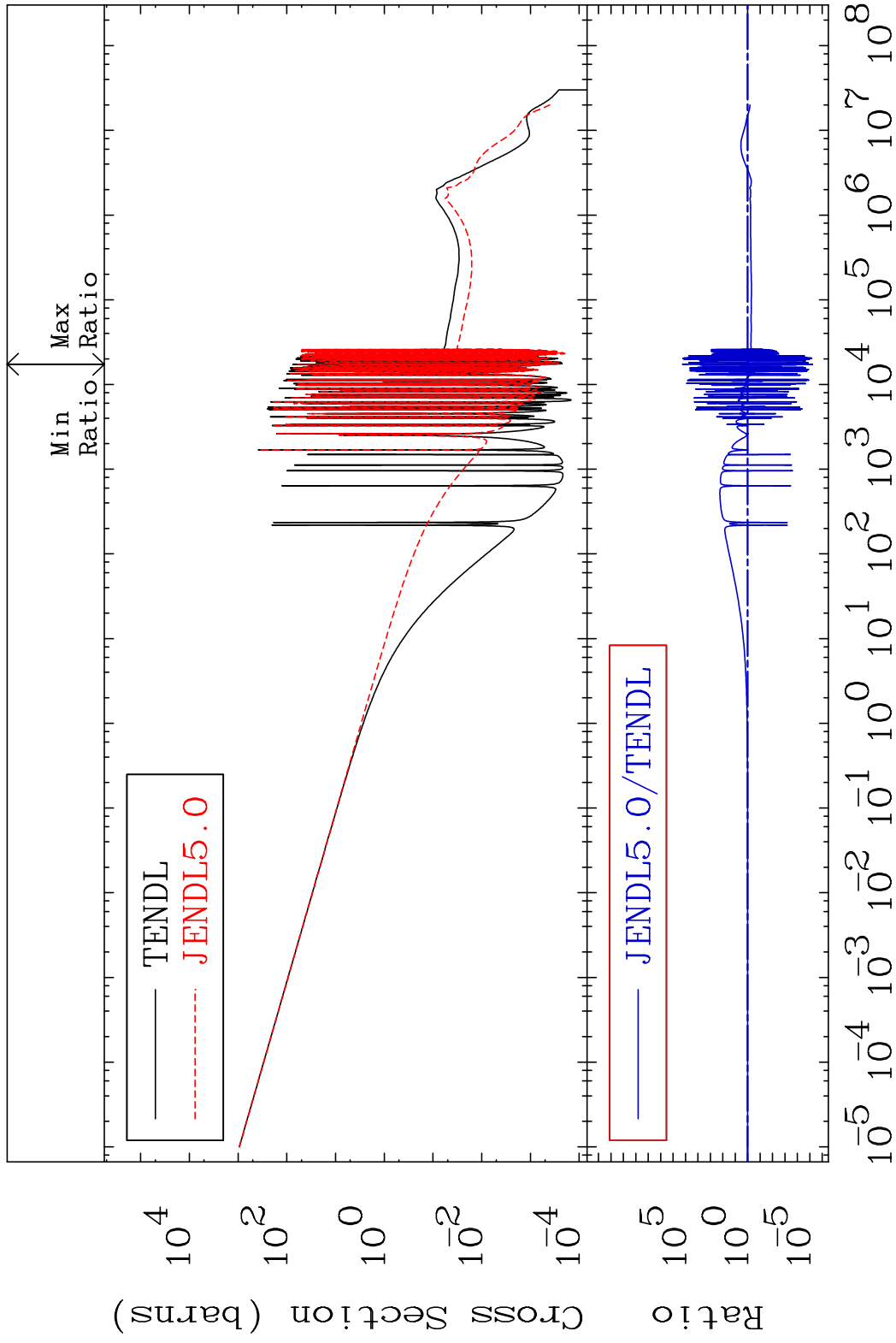
24

Incident Energy (eV)

60-Nd-142

MAT 6025

(n, γ)
Cross Section -100.0 To 9999. %
60-Nd-142



25

Incident Energy (eV)

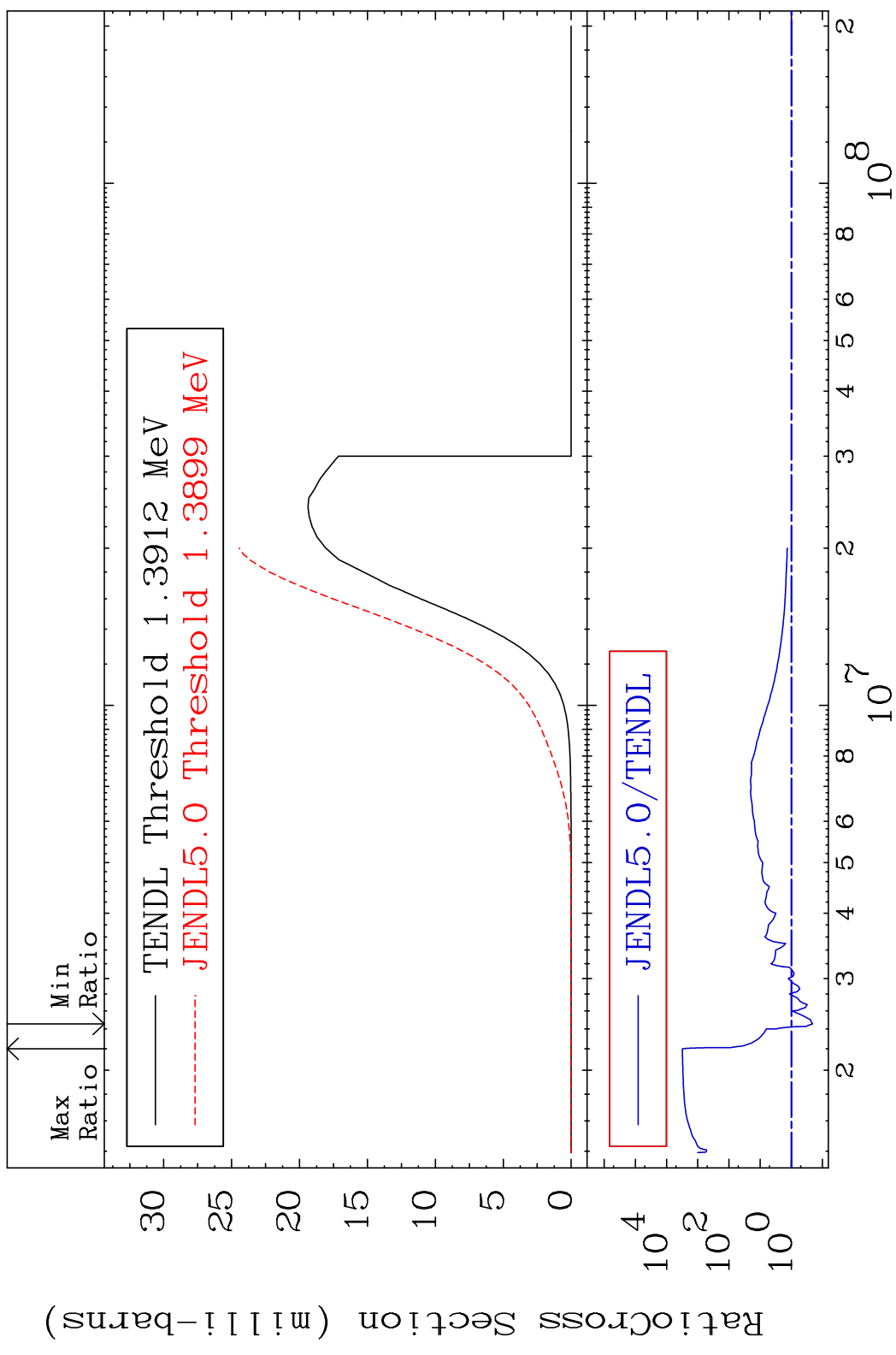
60-Nd-142

MAT 6025

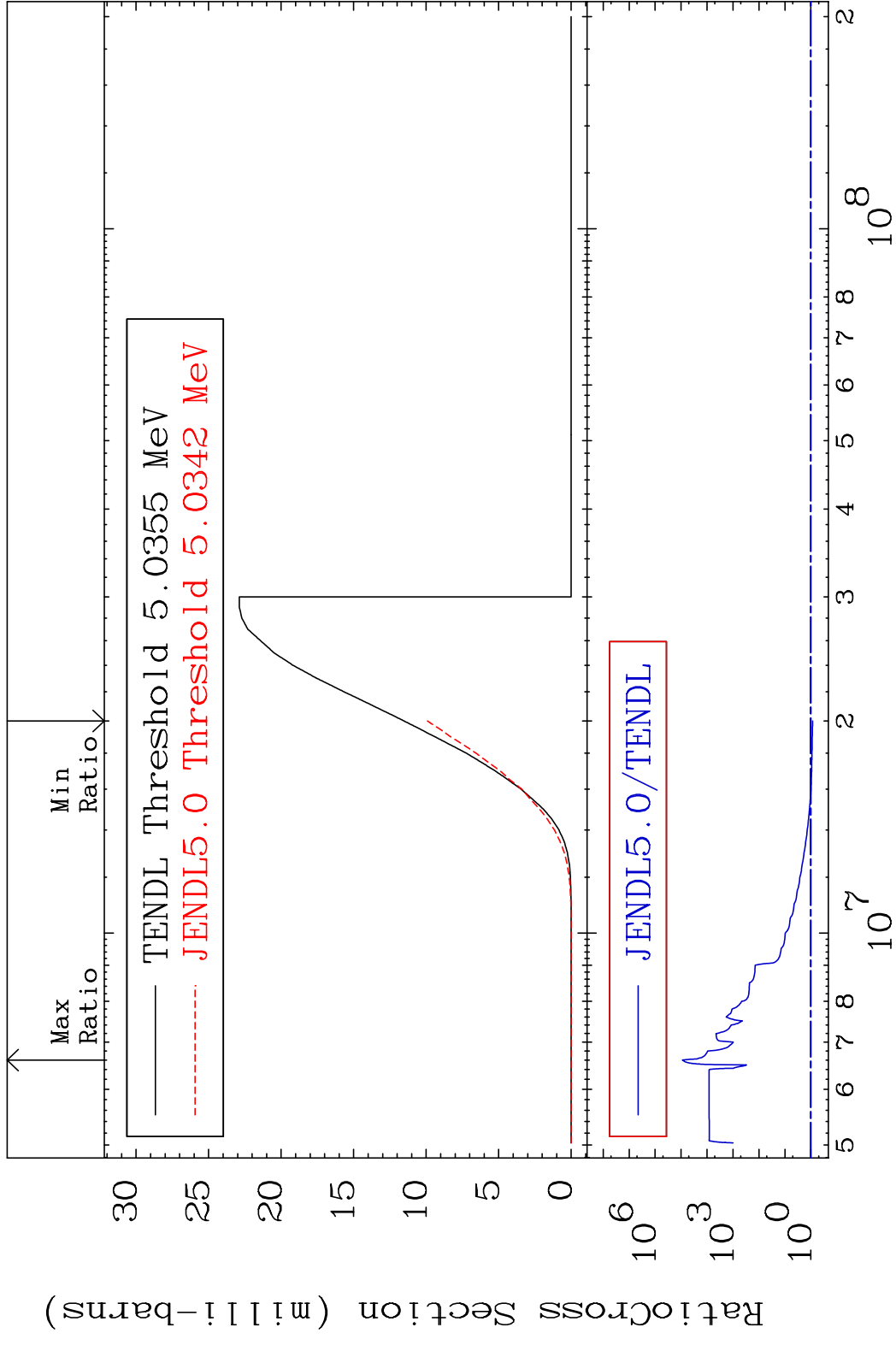
(n,p)

60-Nd-142

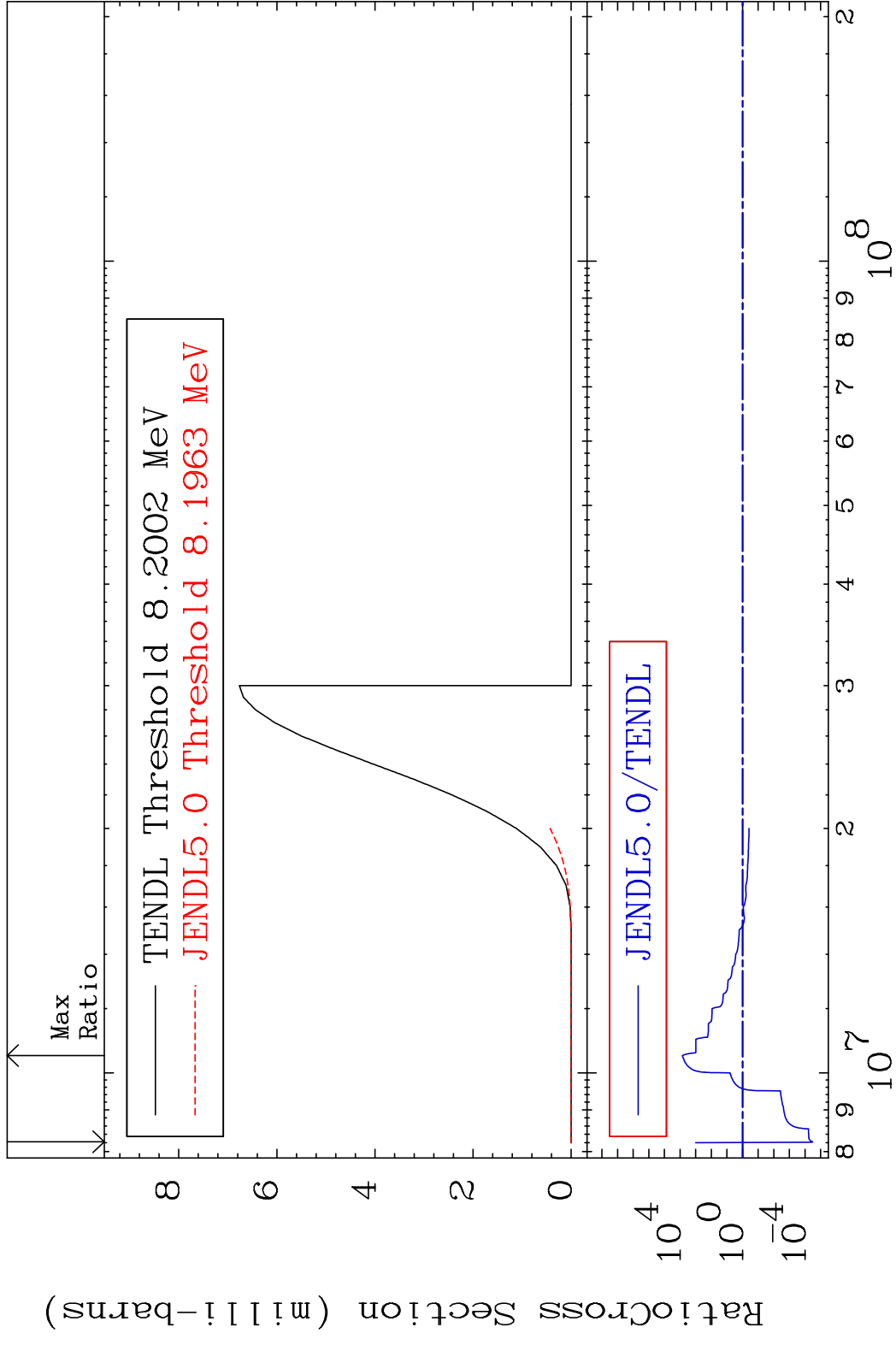
Cross Section -79.15 To 9999. %



MAT 6025 (n,d) 60-Nd-142
 Cross Section -13.92 To 9999. %



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

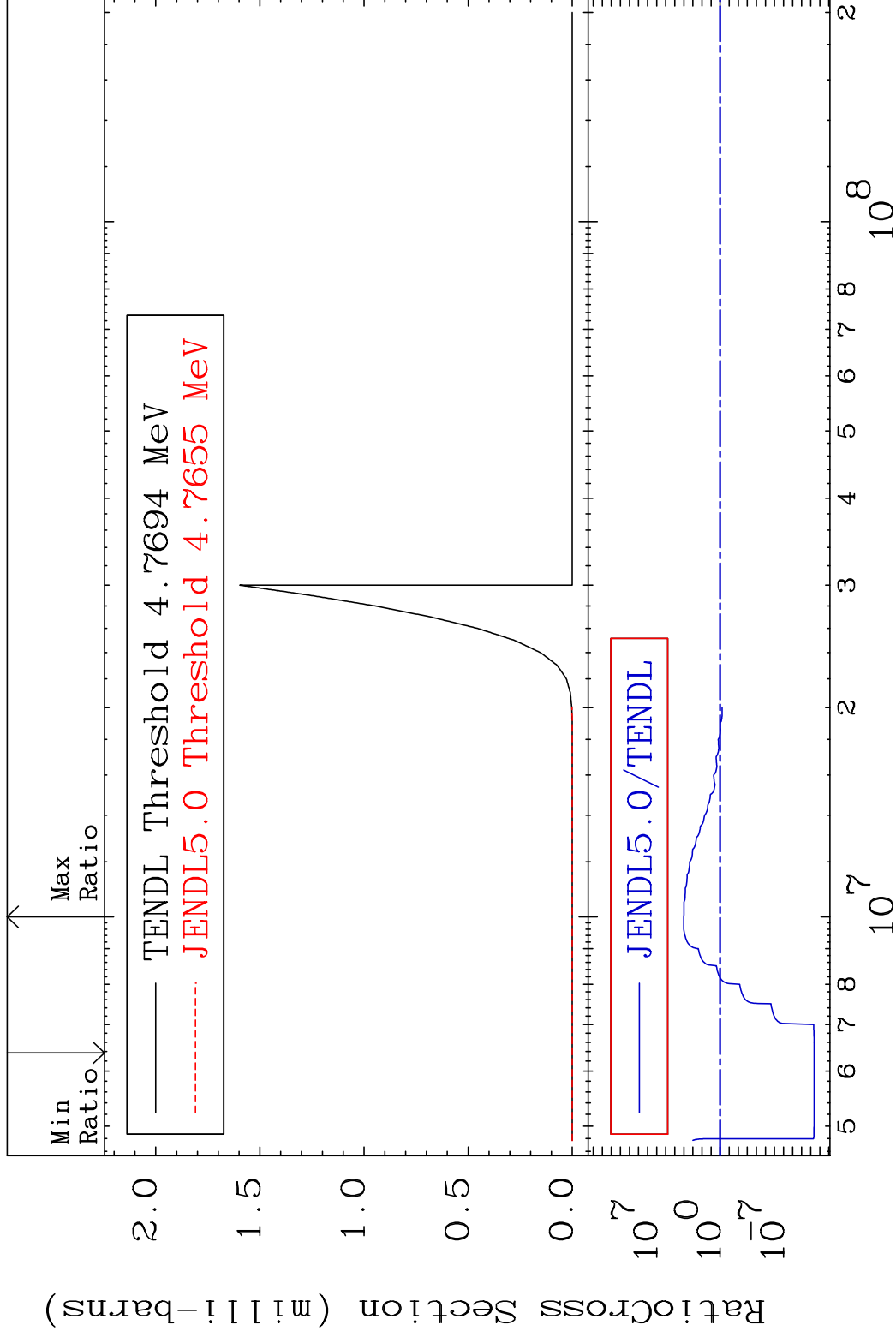


MAT 6025

(n, He-3)

60-Nd-142

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

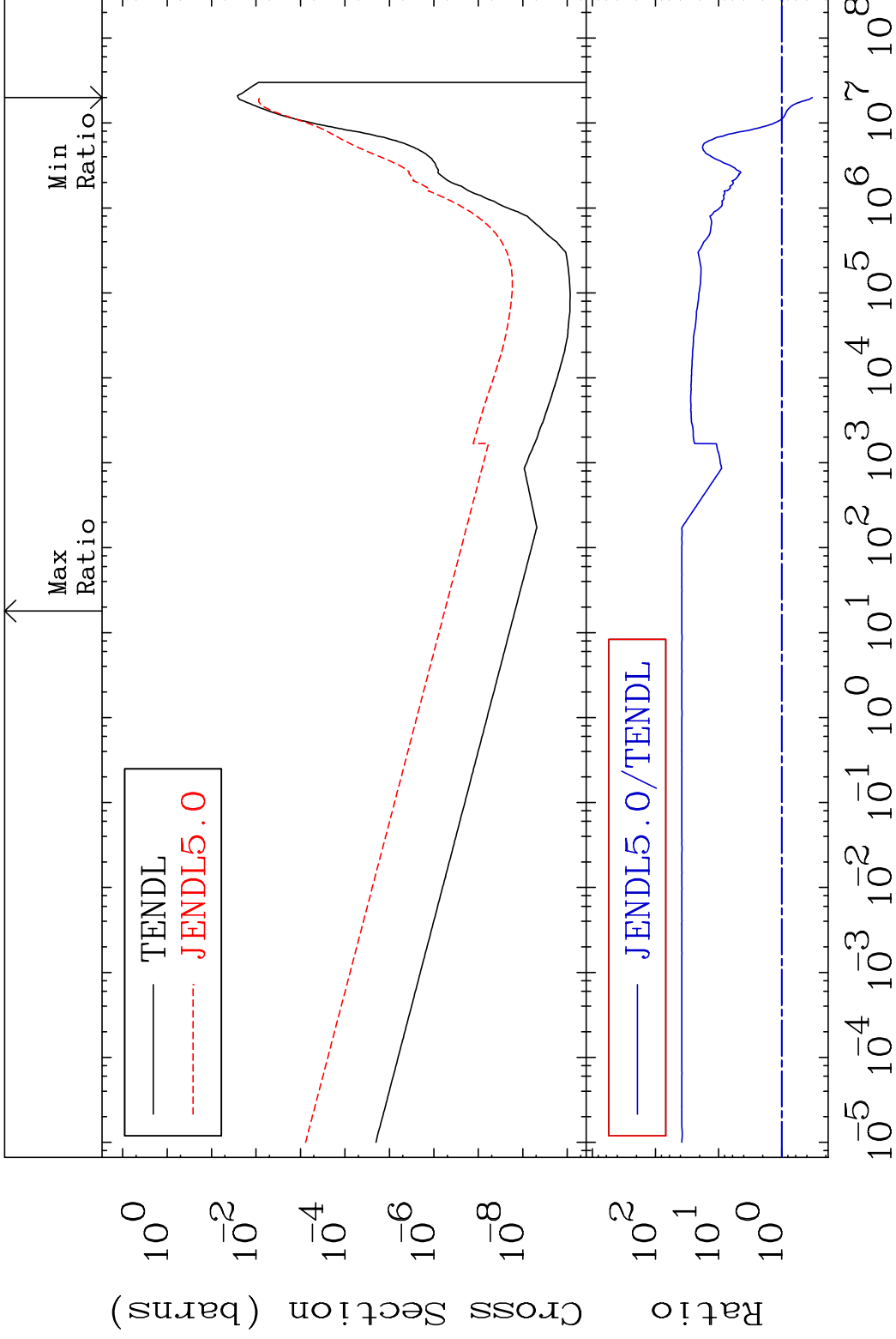
60-Nd-142

MAT 6025

(n, α)

60-Nd-142

Cross Section -67.30 To 3725. %

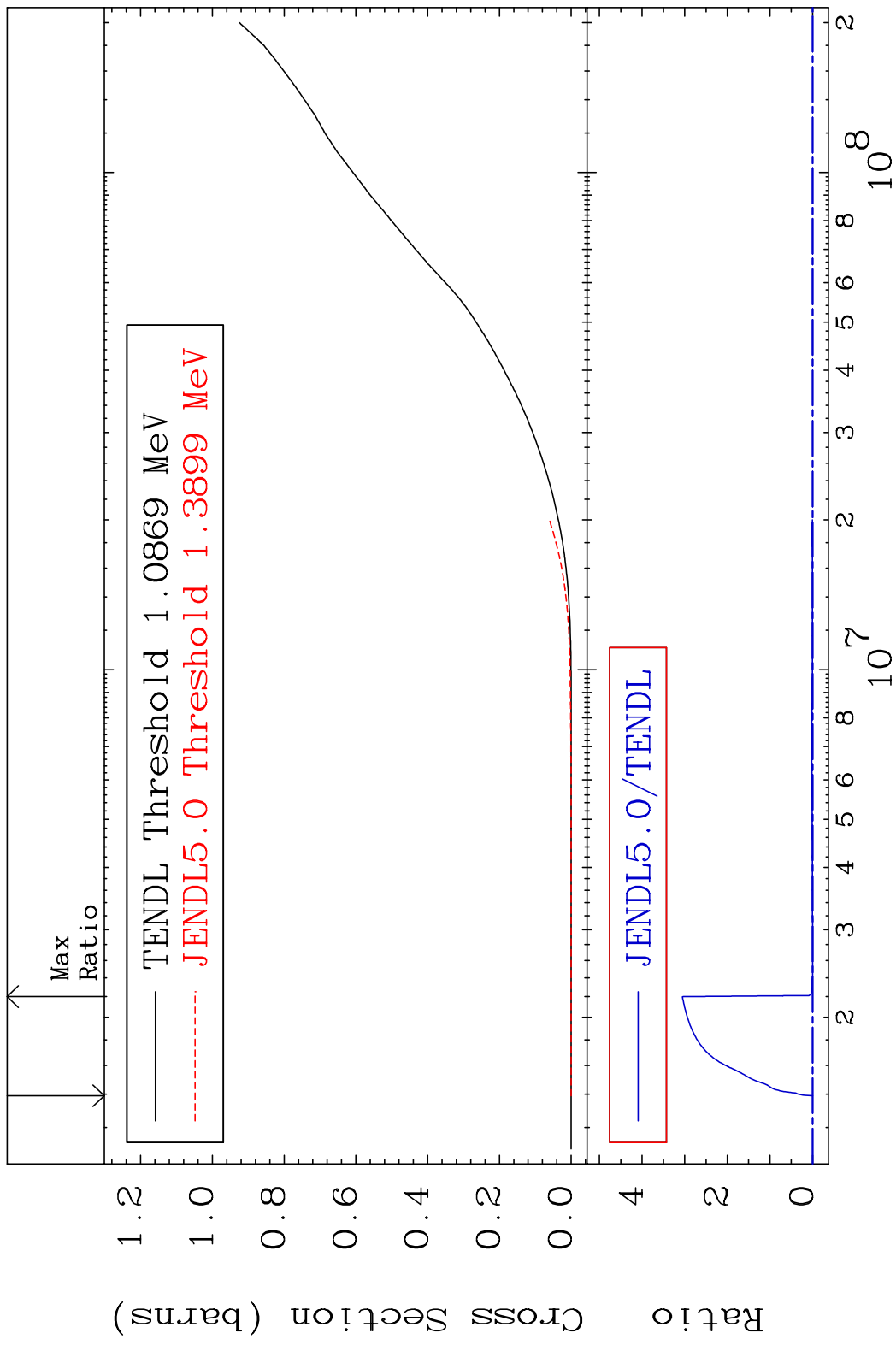


30

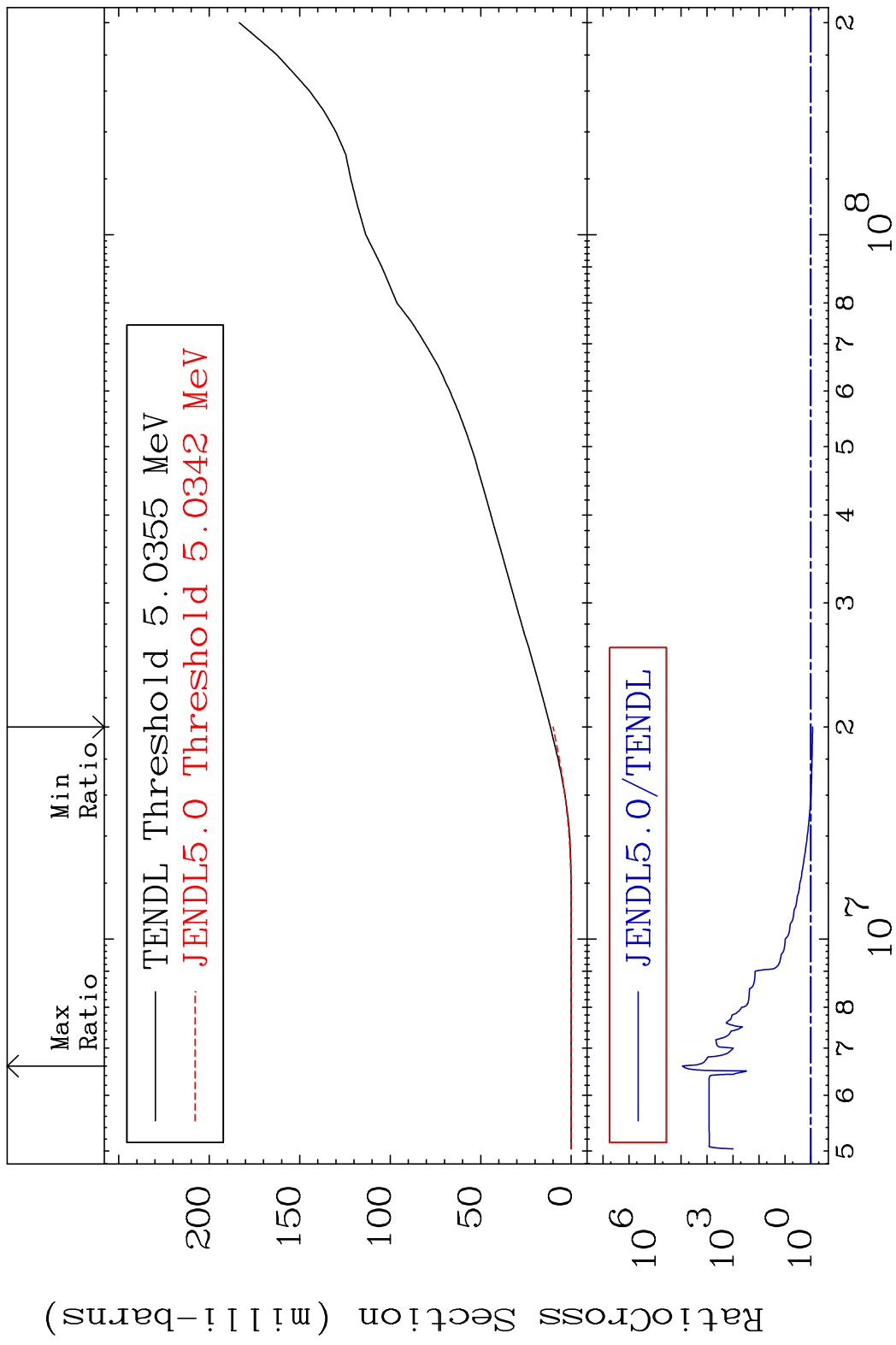
Incident Energy (eV)

60-Nd-142

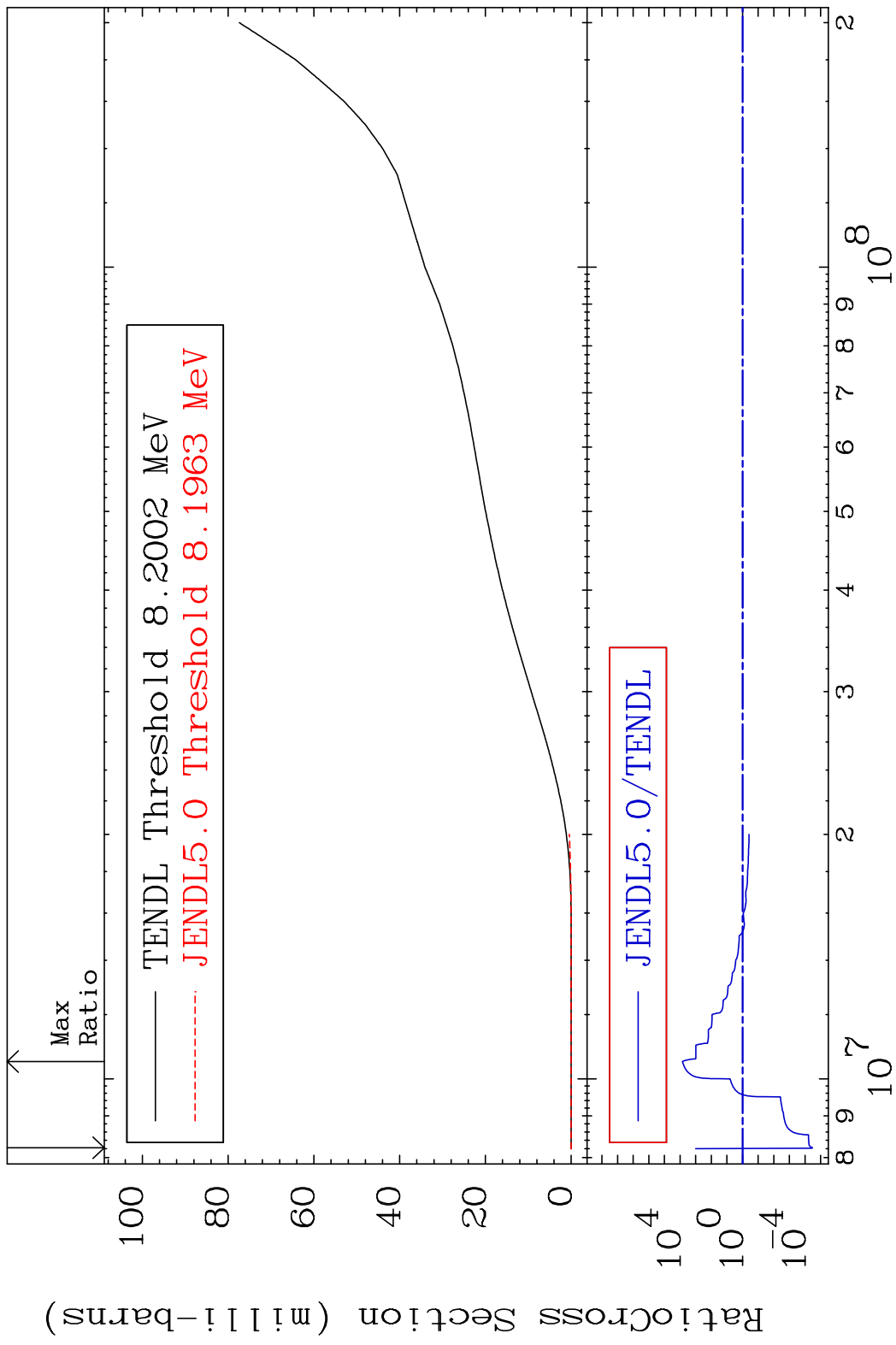
MAT 6025 Hydrogen Production 60-Nd-142
 Cross Section -100.0 To 9999. %



MAT 6025 Deuterium Production 60-Nd-142
 Cross Section -13.72 To 9999. %



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

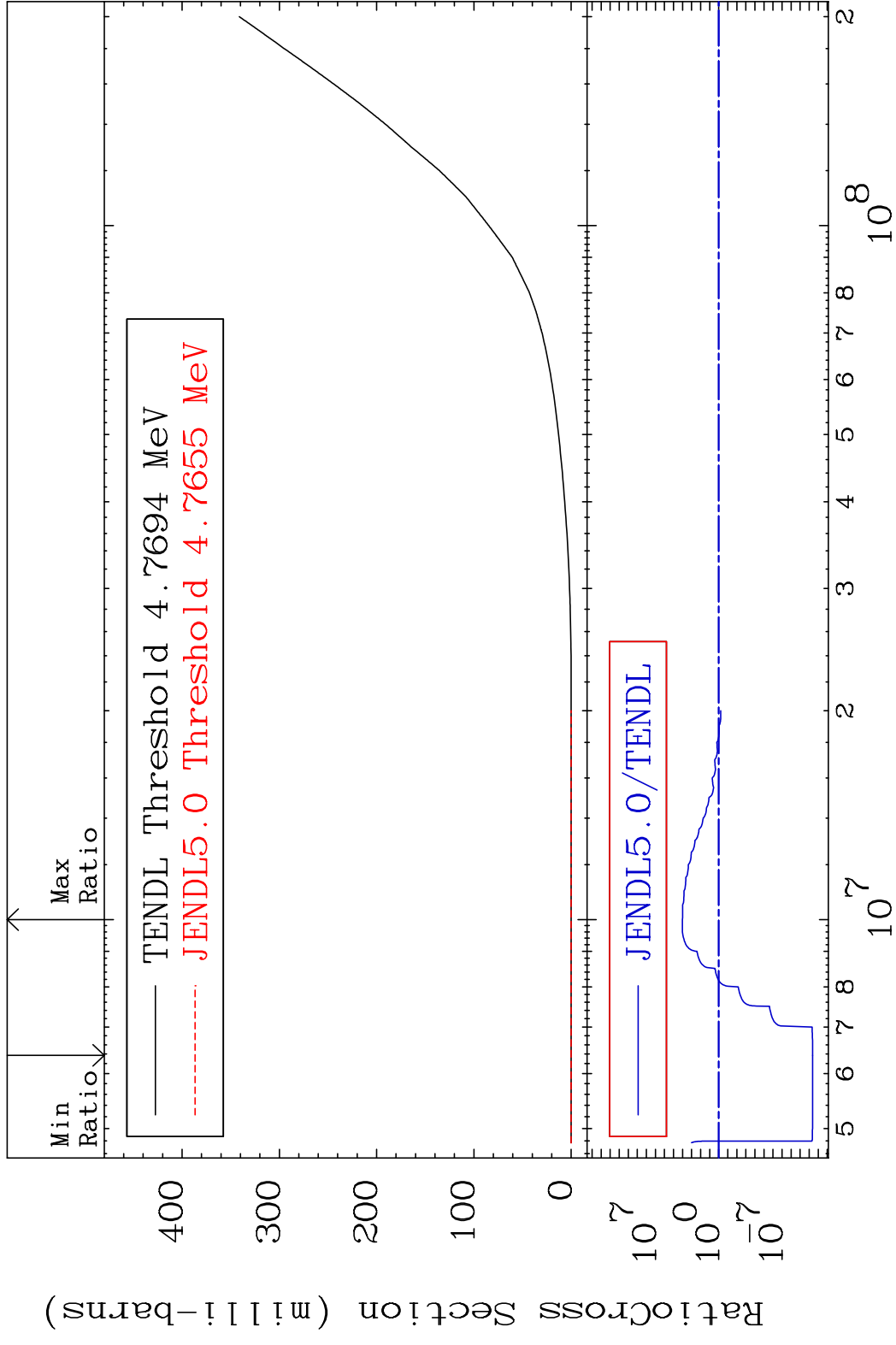


MAT 6025

He-3 Production

60-Nd-142

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

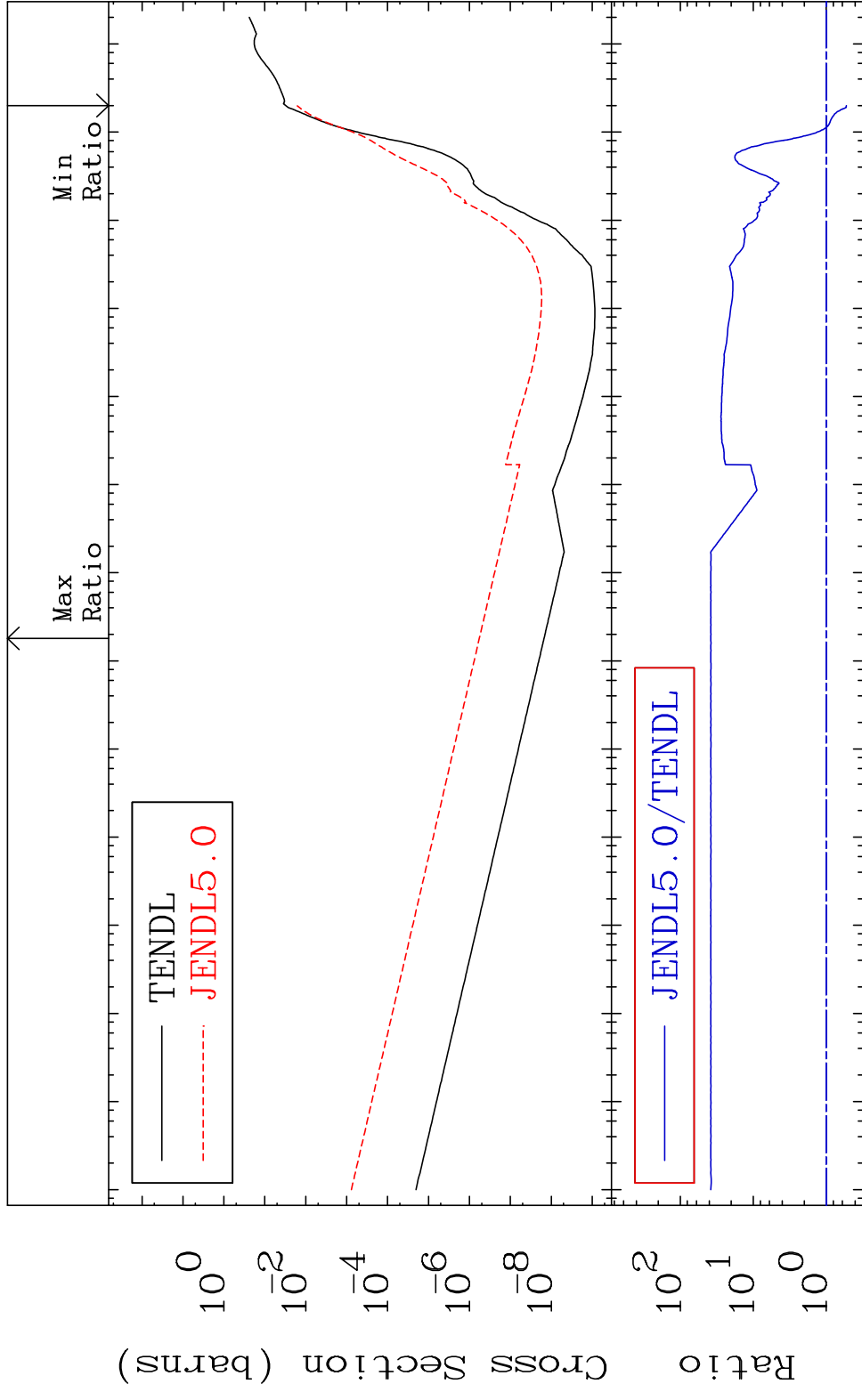
60-Nd-142

MAT 6025

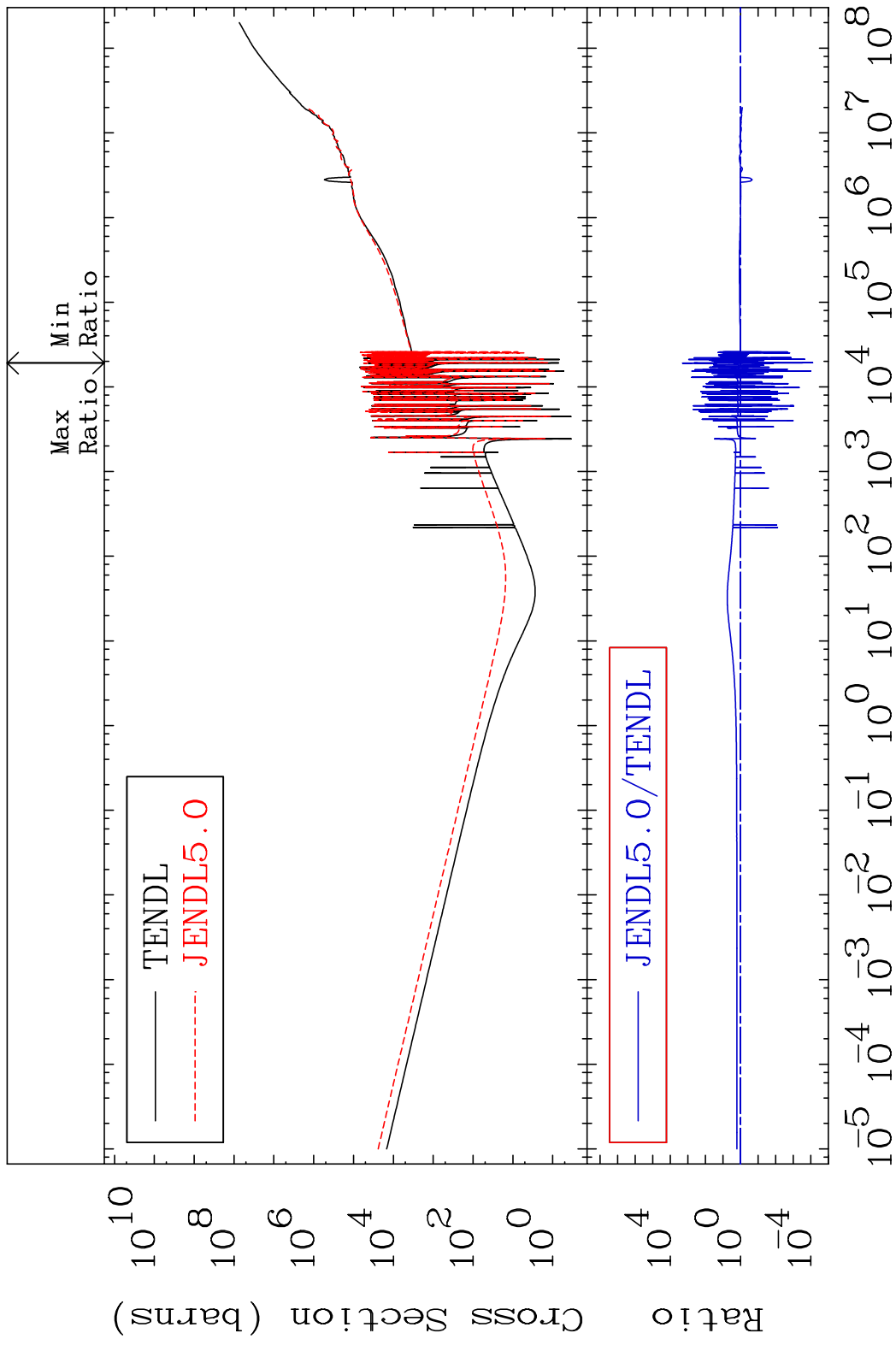
He-4 Production

60-Nd-142

Cross Section -46.98 To 3725. %

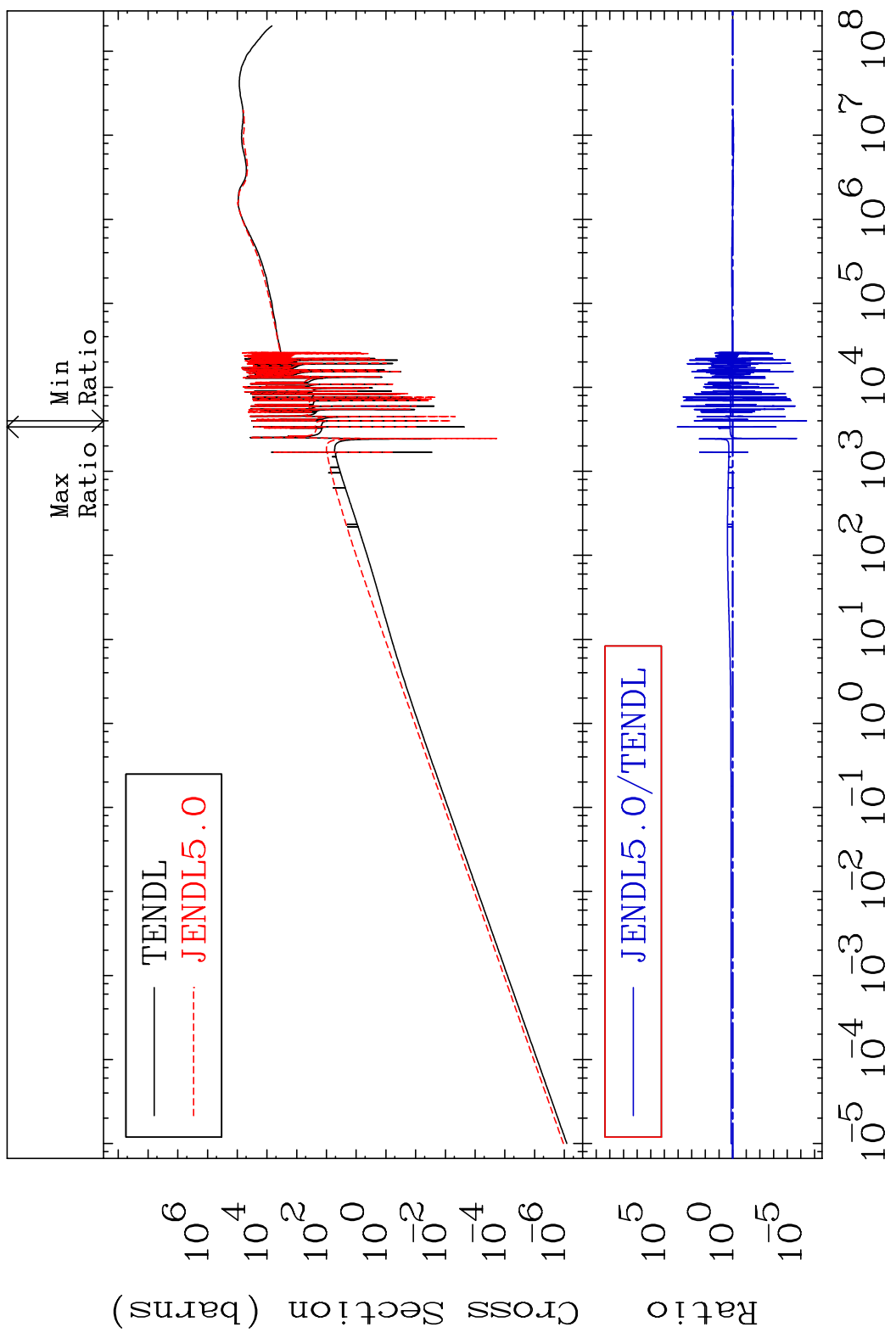


MAT 6025 Kerma total (eV-barns) 60-Nd-142
 Cross Section -99.99 To 9999. %

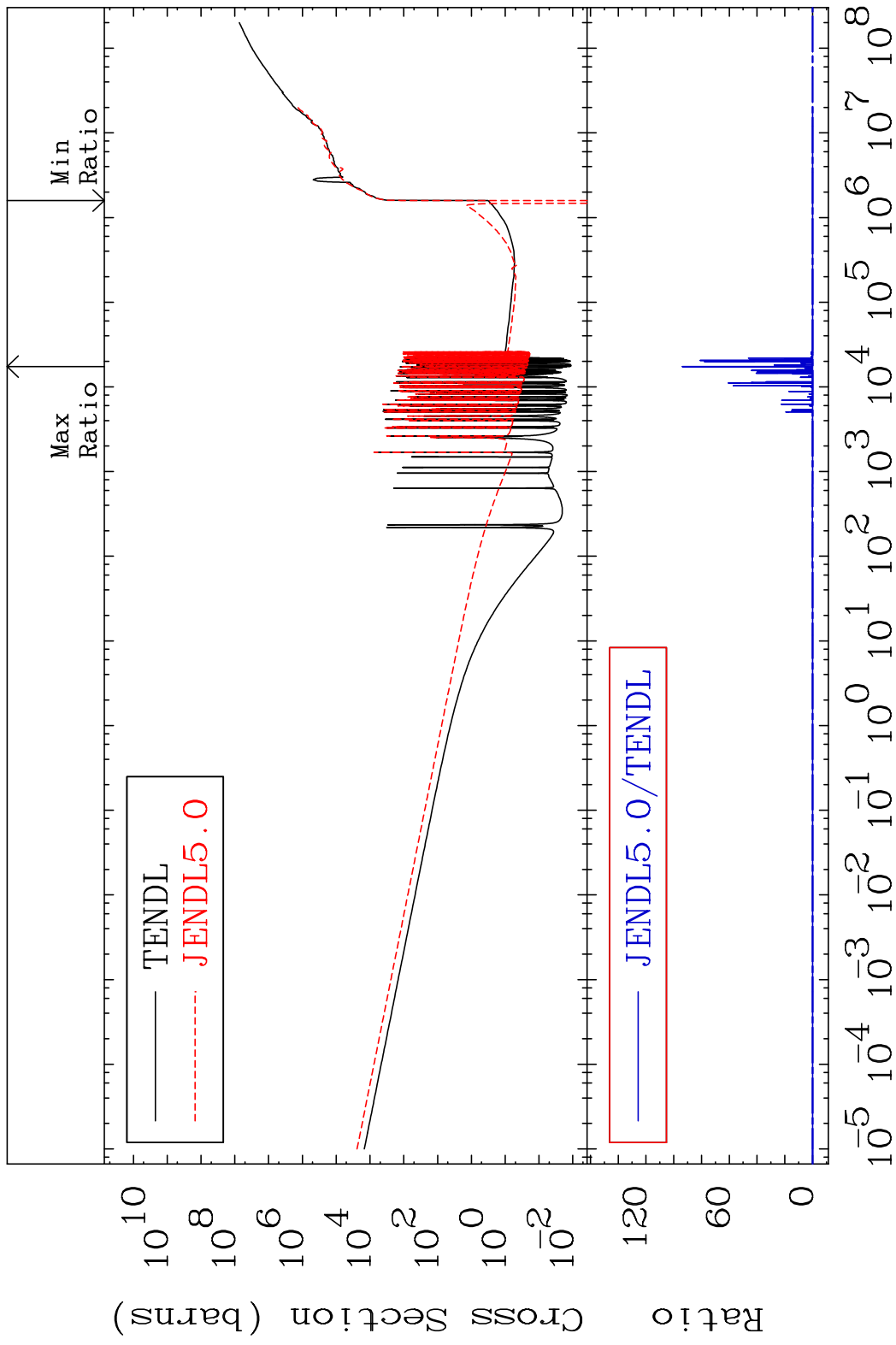


MAT 6025

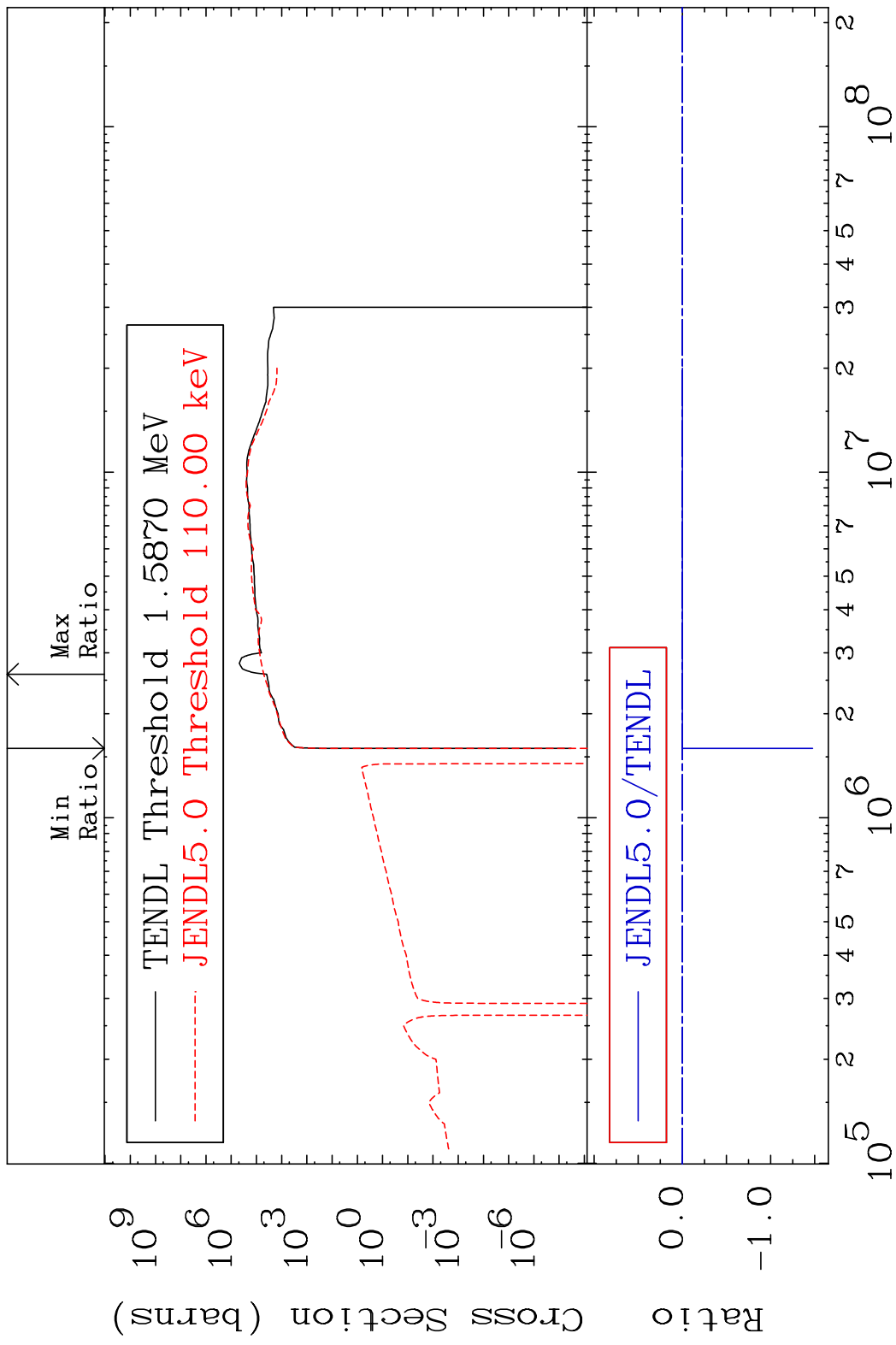
Kerma elastic
Cross Section -100.0 To 9999. %
60-Nd-142



MAT 6025 Kerma non-elastic (all but mt2) 60-Nd-142
 Cross Section -1247. To 9999. %

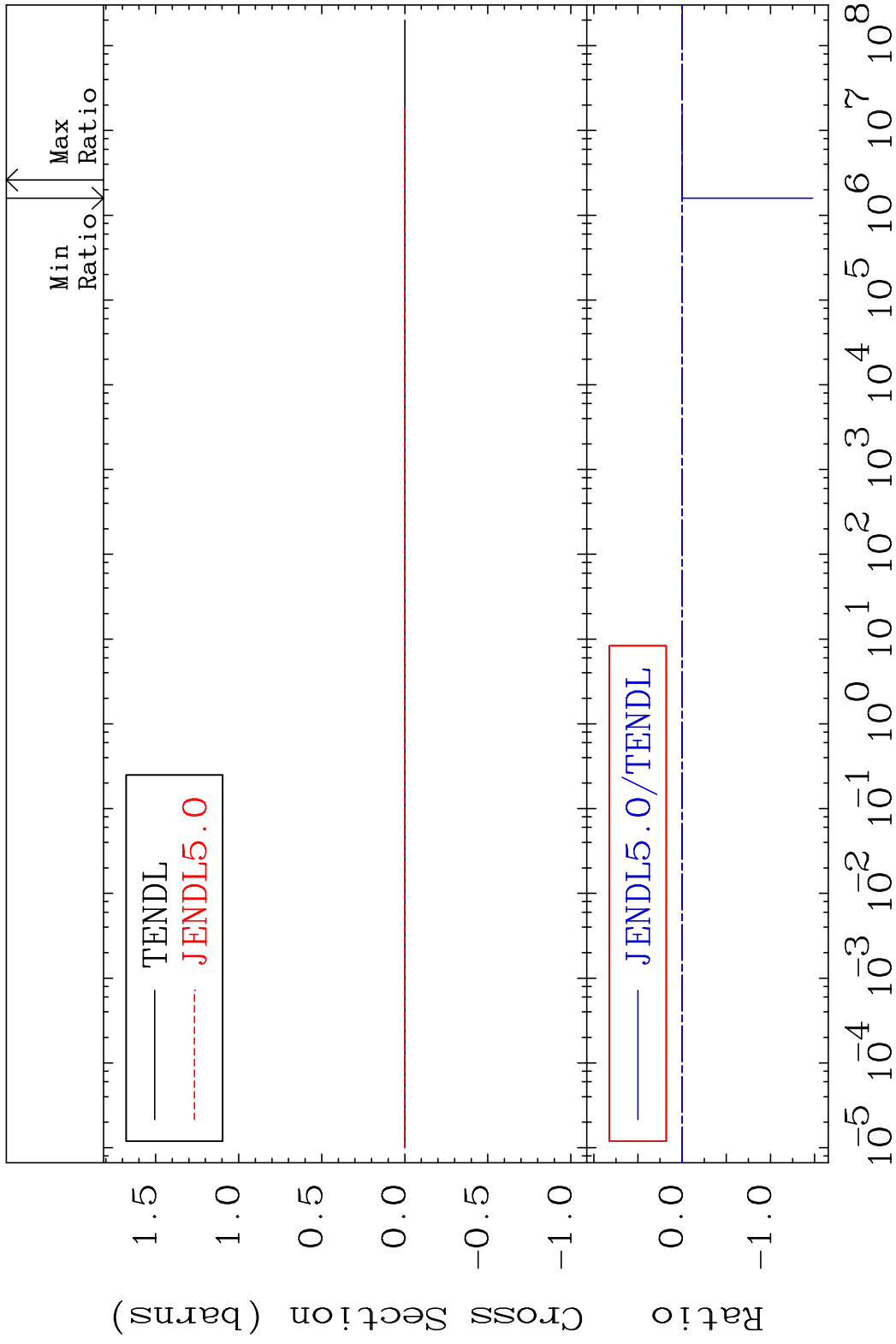


MAT 6025 Kerma inelastic (mt51-91) 60-Nd-142
 Cross Section -9999. To 29.35 %



39 Incident Energy (eV) 60-Nd-142

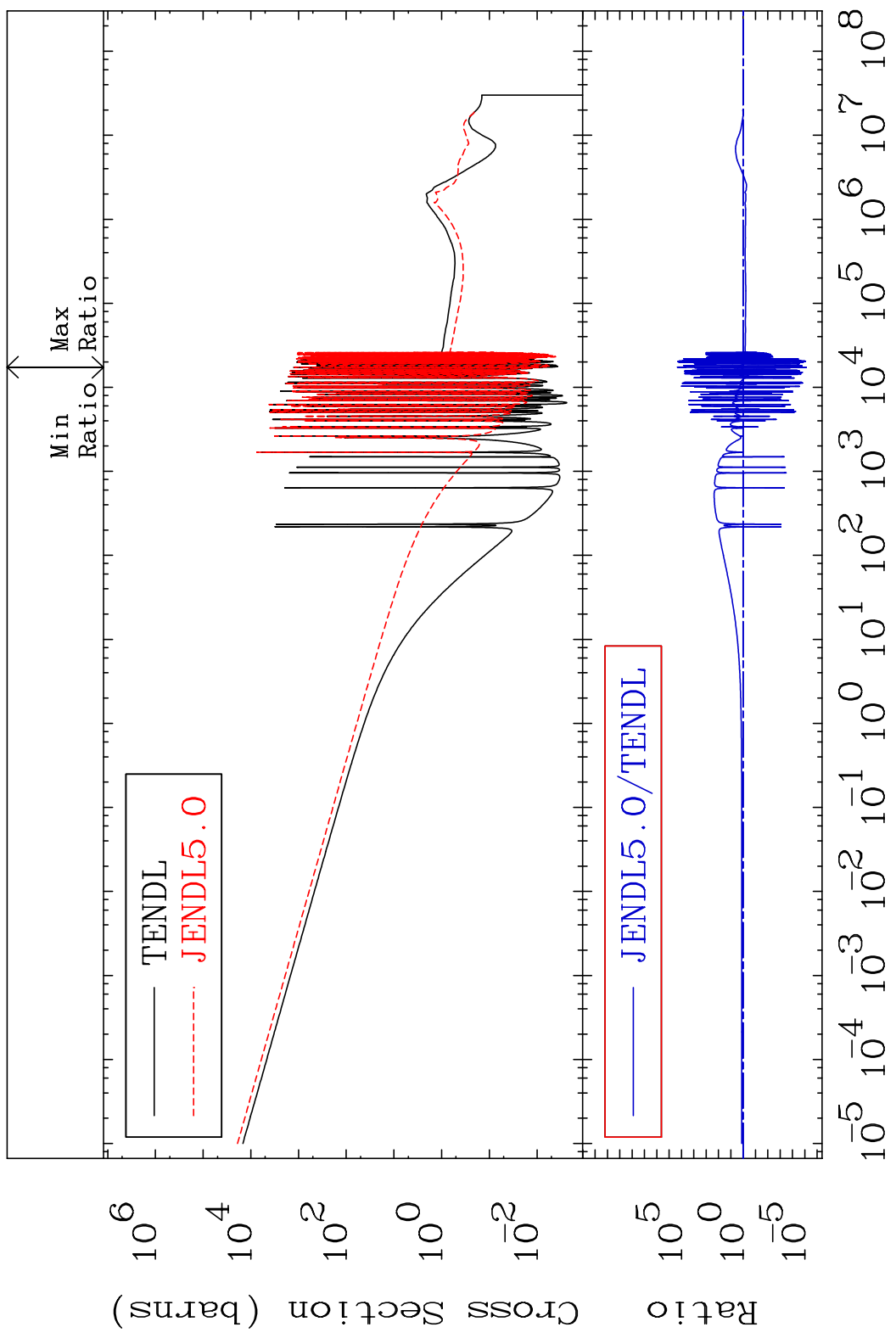
MAT 6025 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-142
 Cross Section -9999. To 29.35 %



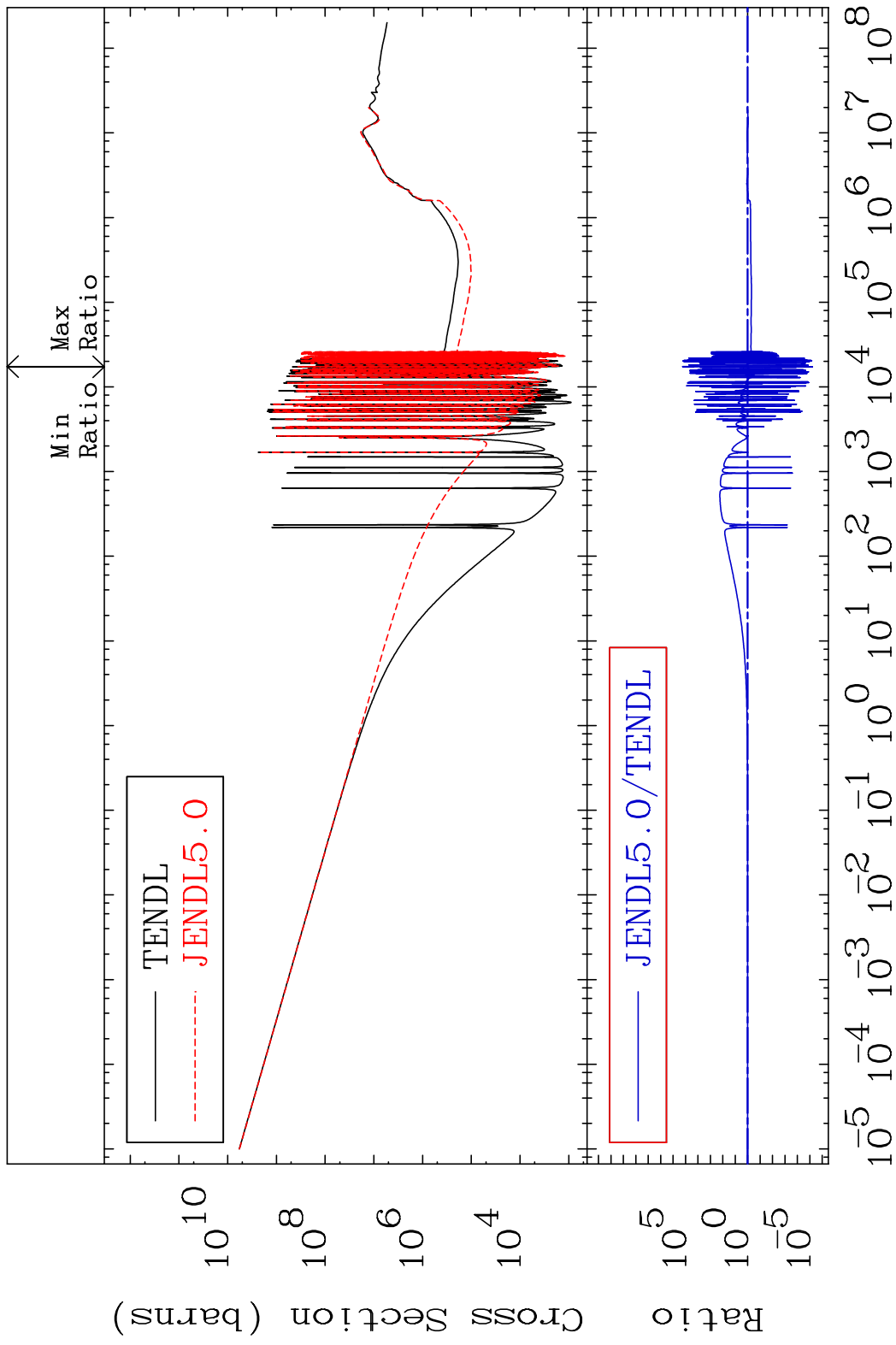
40 Incident Energy (eV) 60-Nd-142

MAT 6025

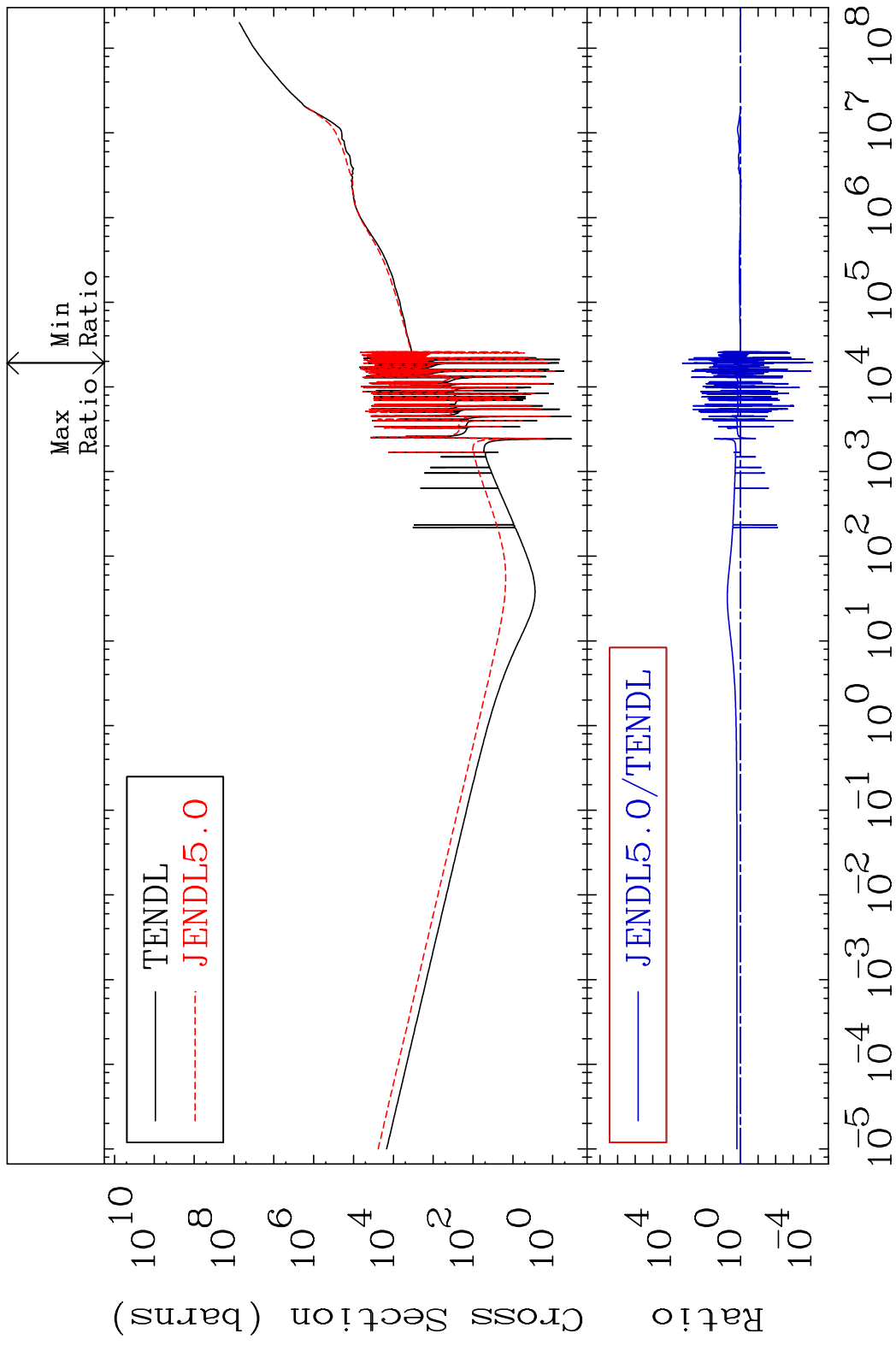
Kerma capture (mt102) 60-Nd-142
Cross Section -100.0 To 9999. %



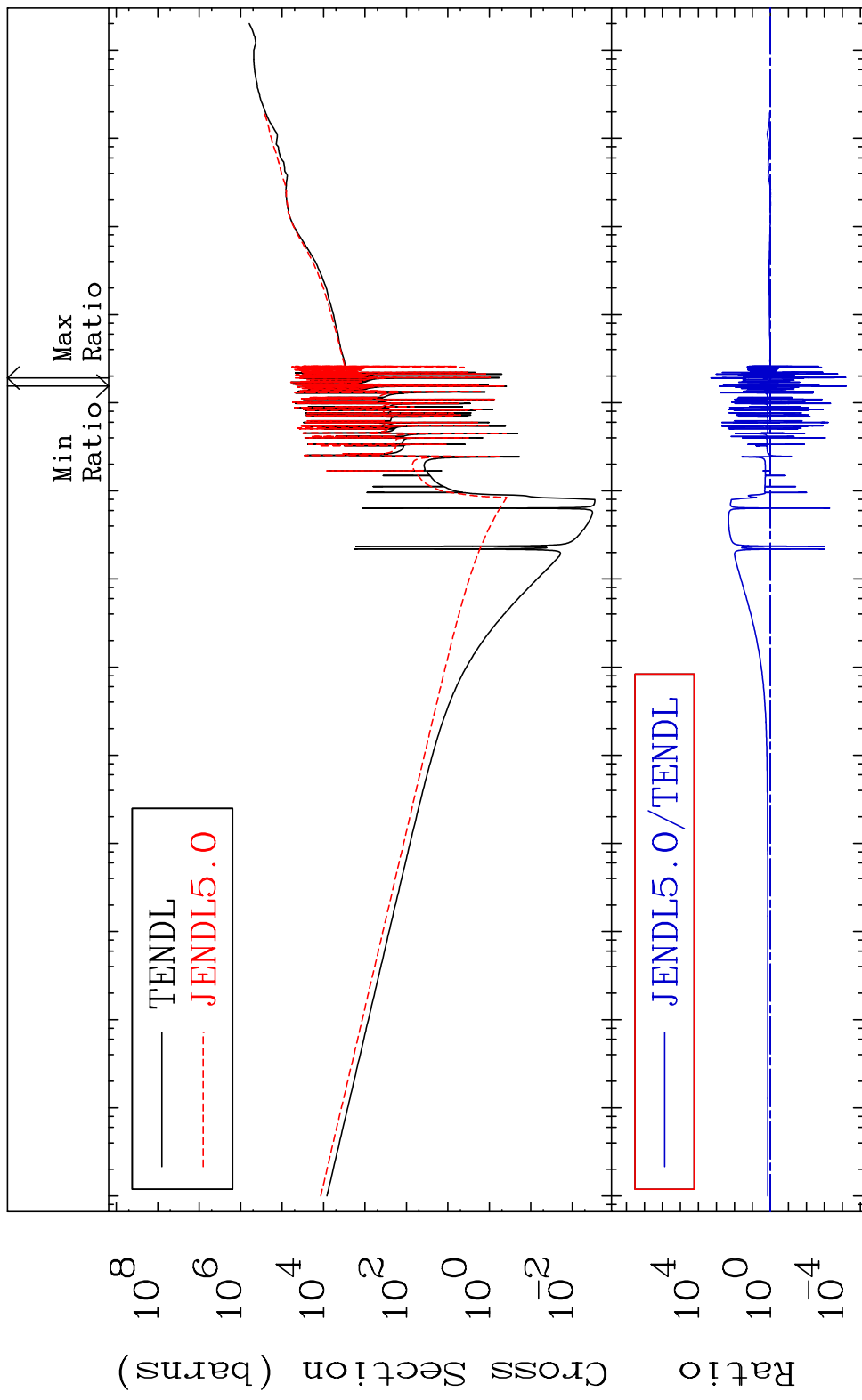
MAT 6025 Total photon (eV-barns) 60-Nd-142
Cross Section -100.0 To 9999. %



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. %

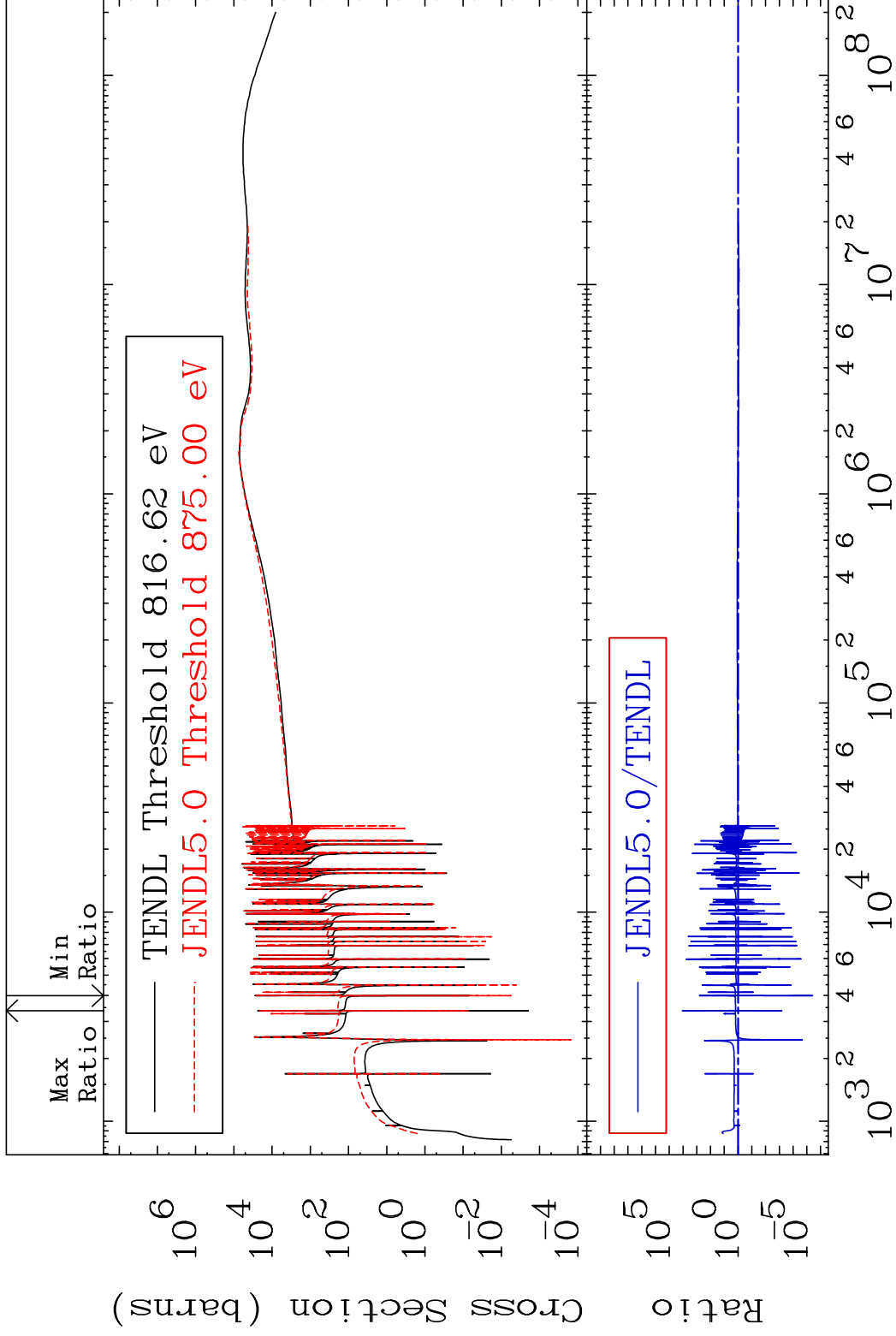


MAT 6025

Dpa elastic (mt2)

60-Nd-142

Cross Section -100.0 To 9999. %

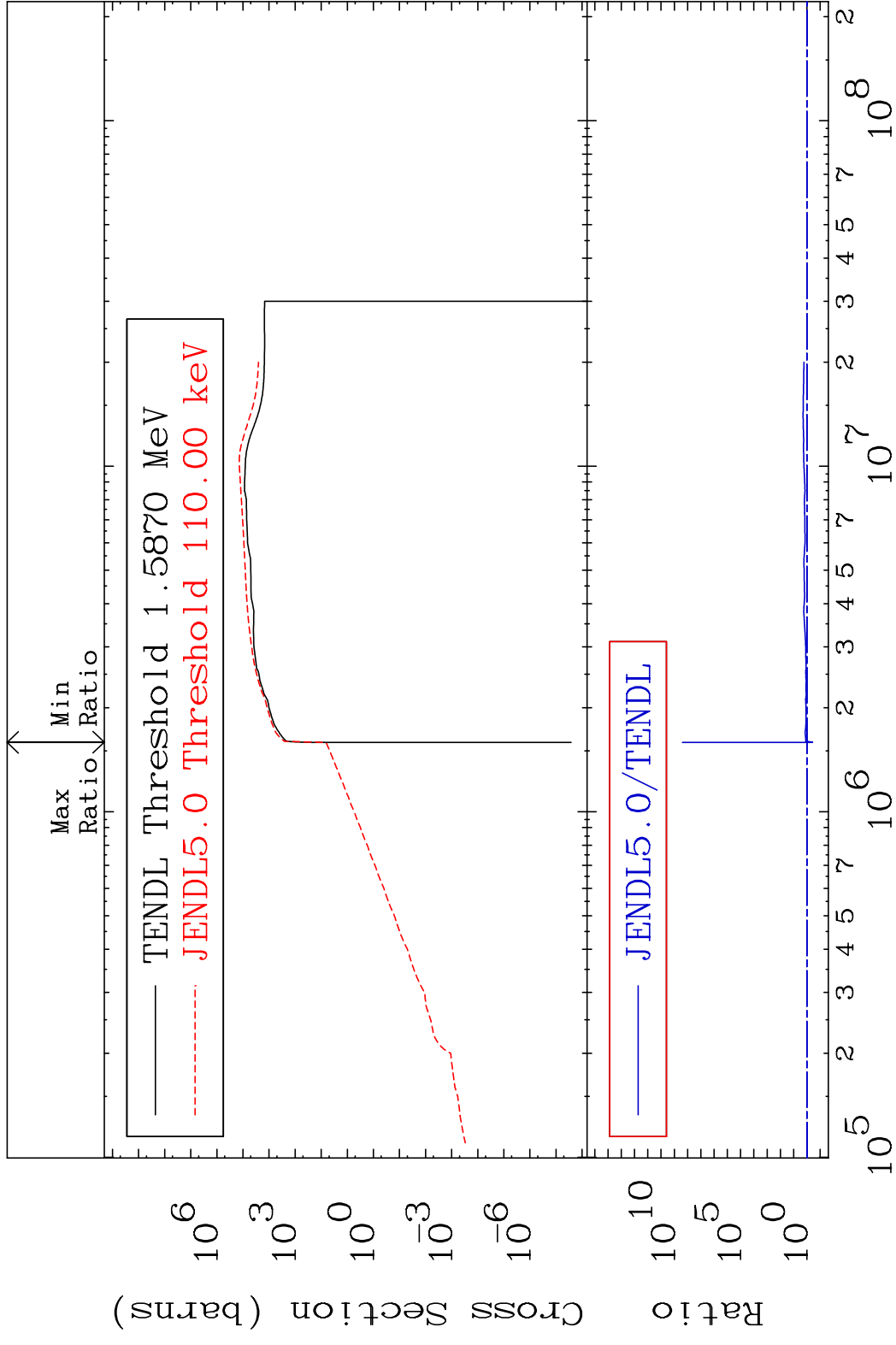


45

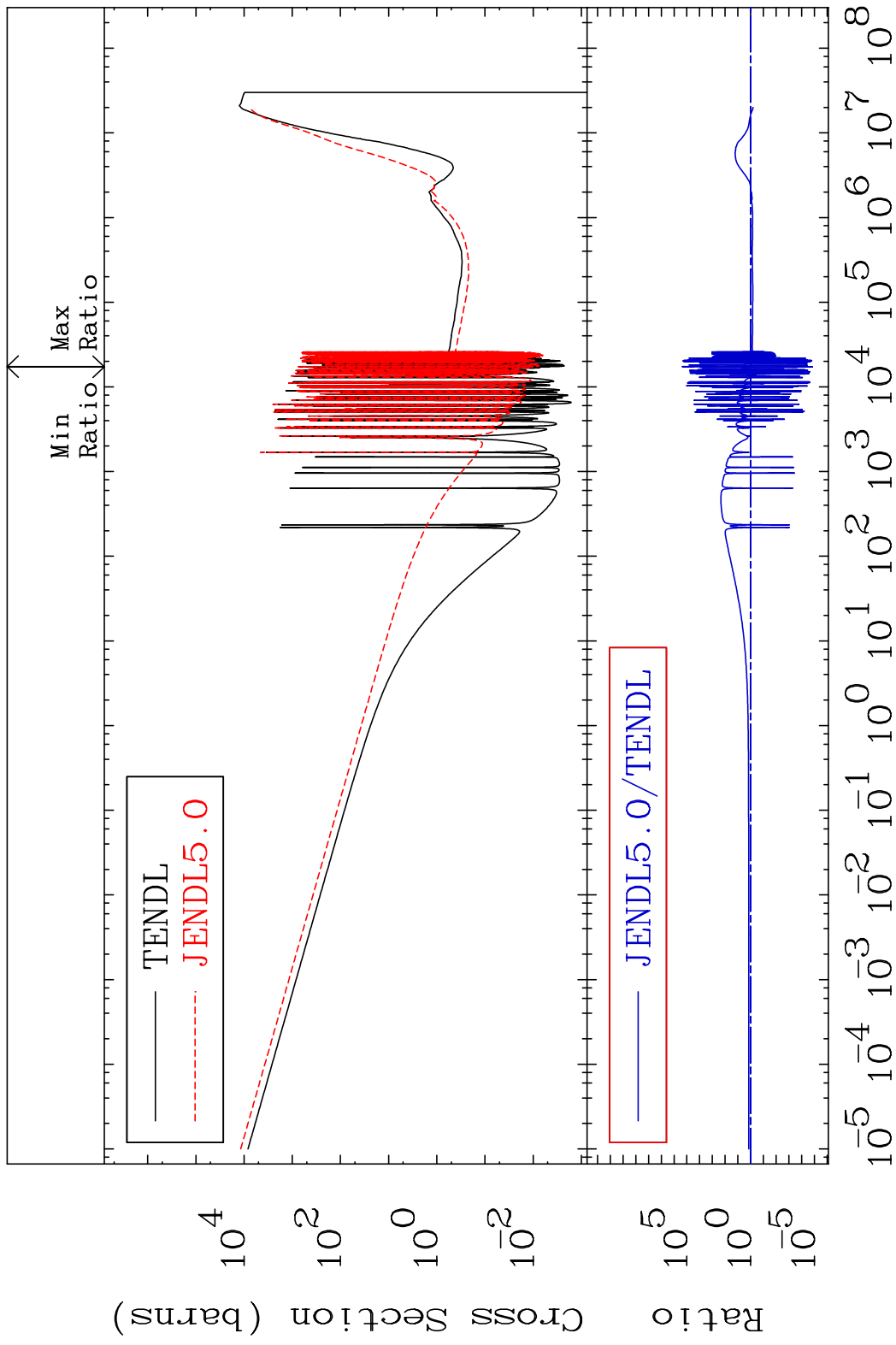
Incident Energy (eV)

60-Nd-142

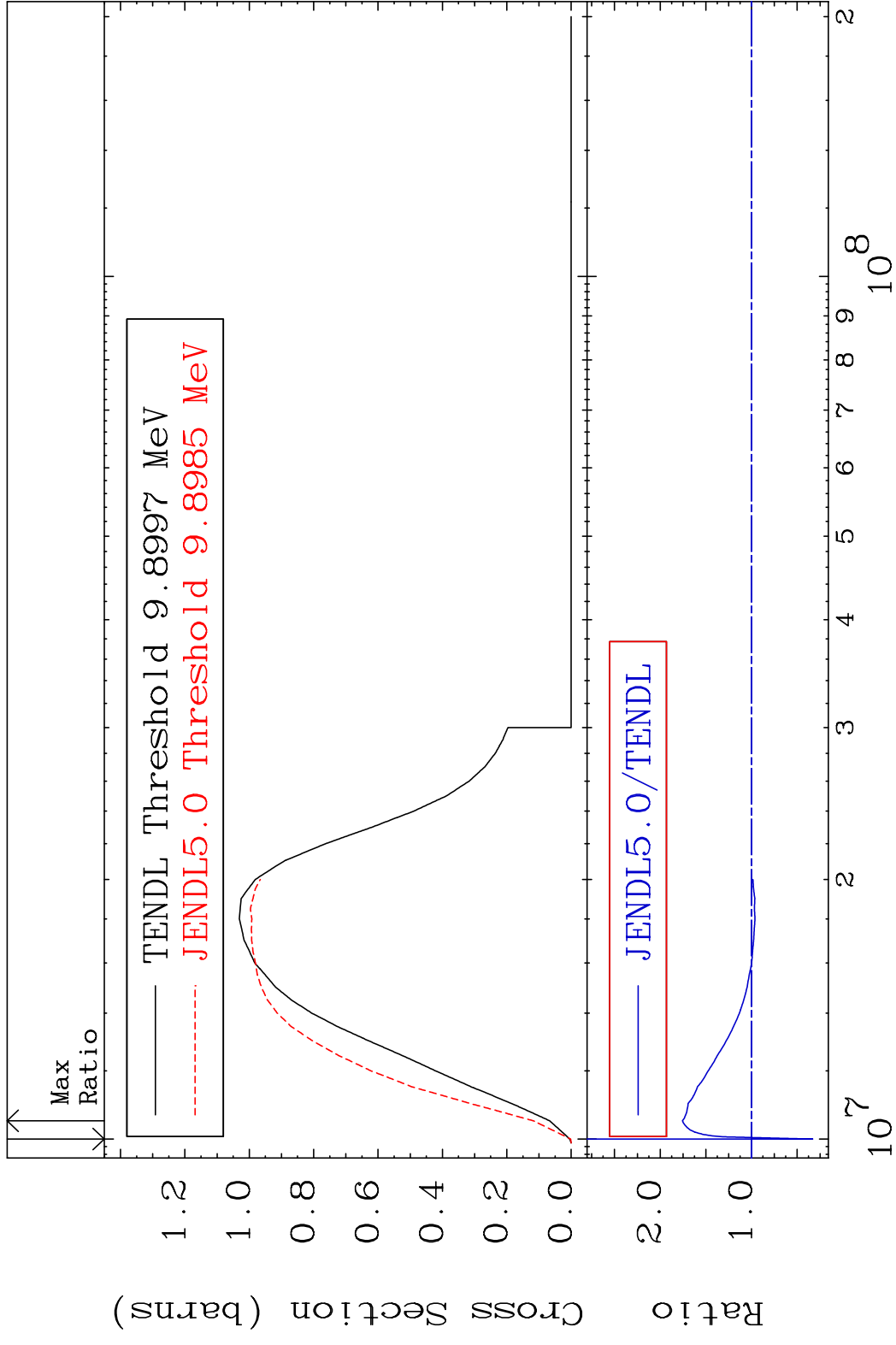
MAT 6025 Dpa inelastic (mt51-91) 60-Nd-142
 Cross Section -62.44 To 9999. %



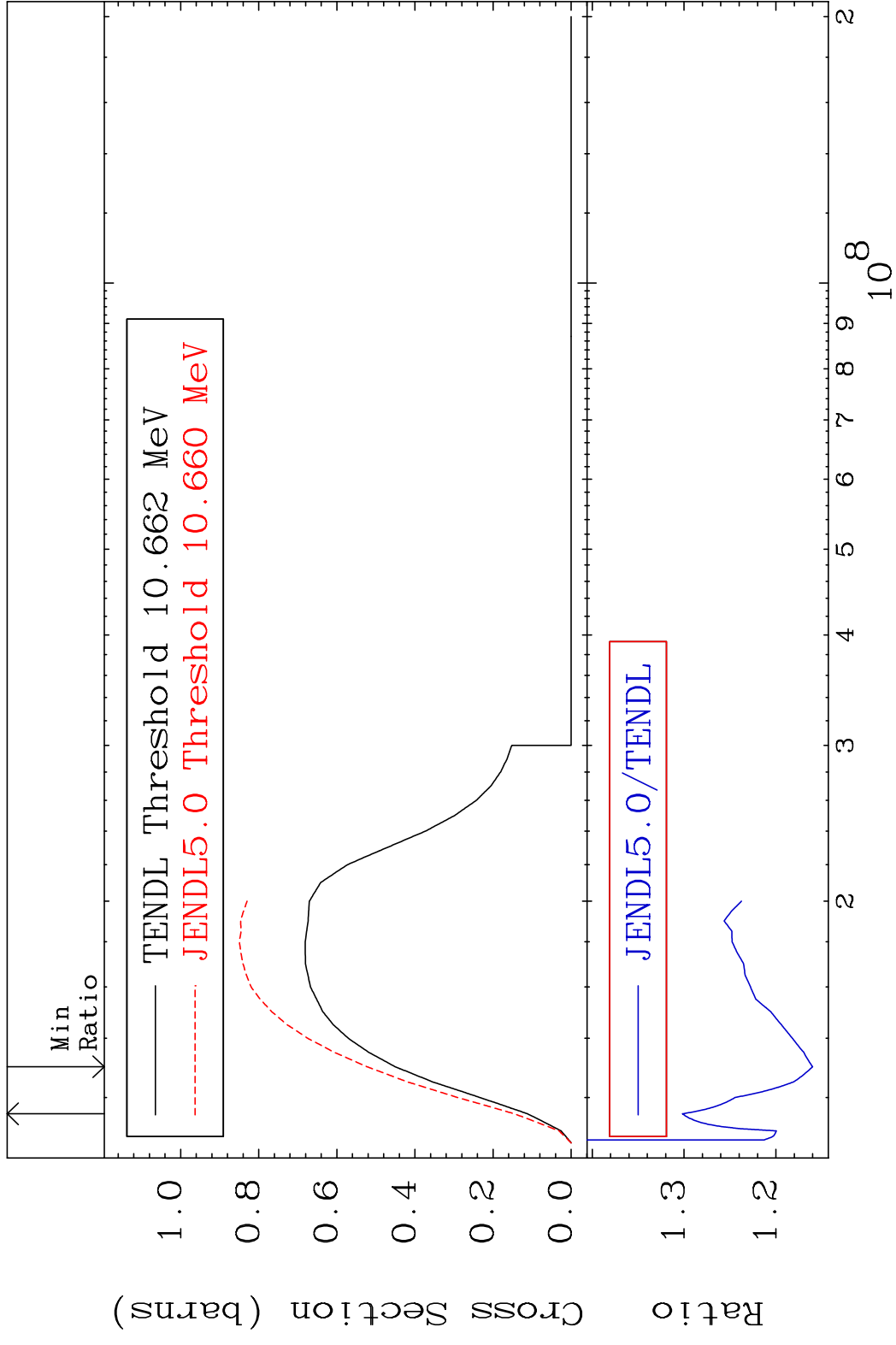
MAT 6025 Dpa disappearance (mt102 -120) 60-Nd-142
 Cross Section -100.0 To 9999. %

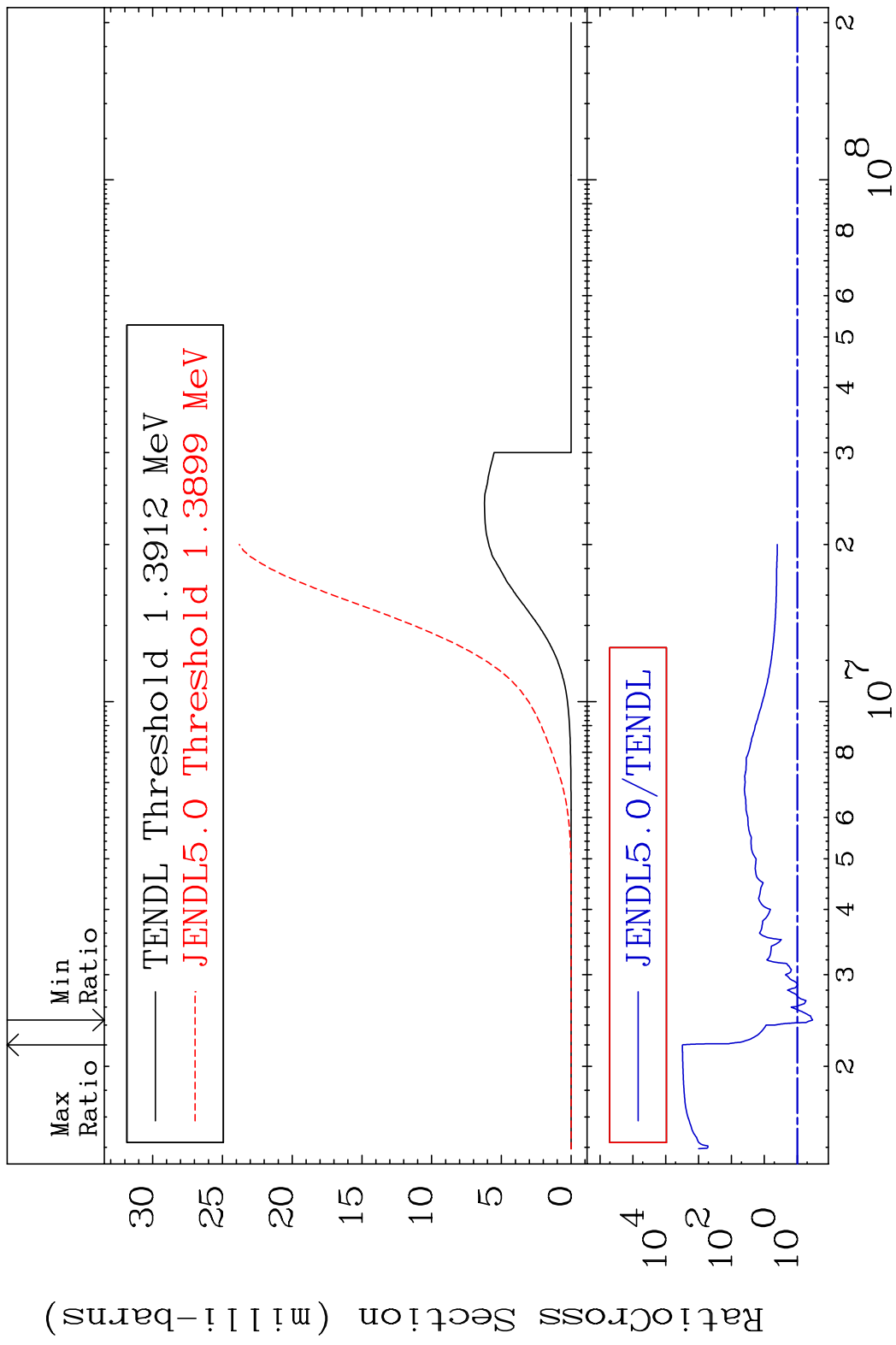


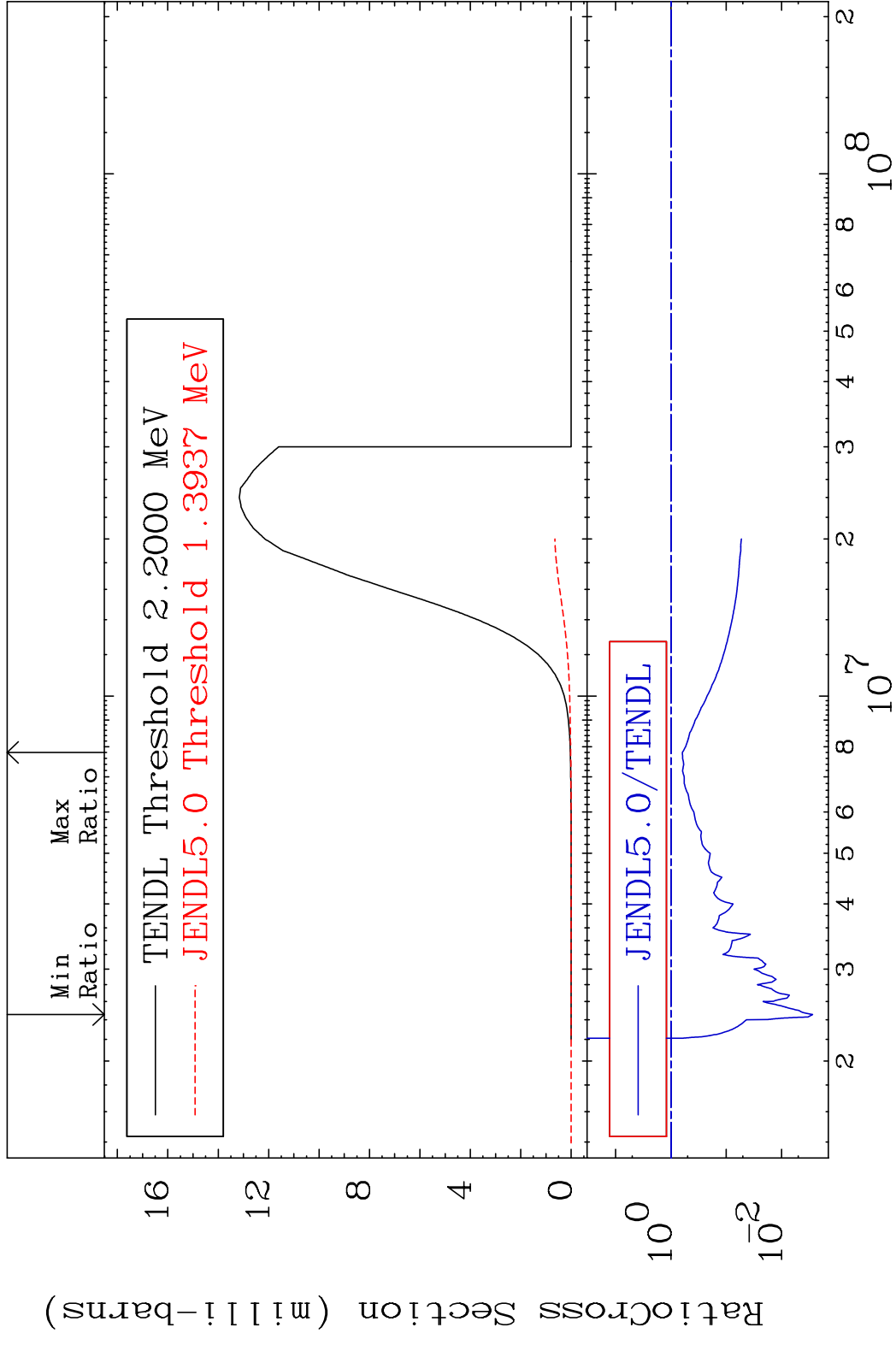
MAT 6025 (n,2n):60-Nd-141g 60-Nd-142
 Radionuclide Production Cross Section 66.82 dth 75.74 %



48 Incident Energy (eV) 60-Nd-142





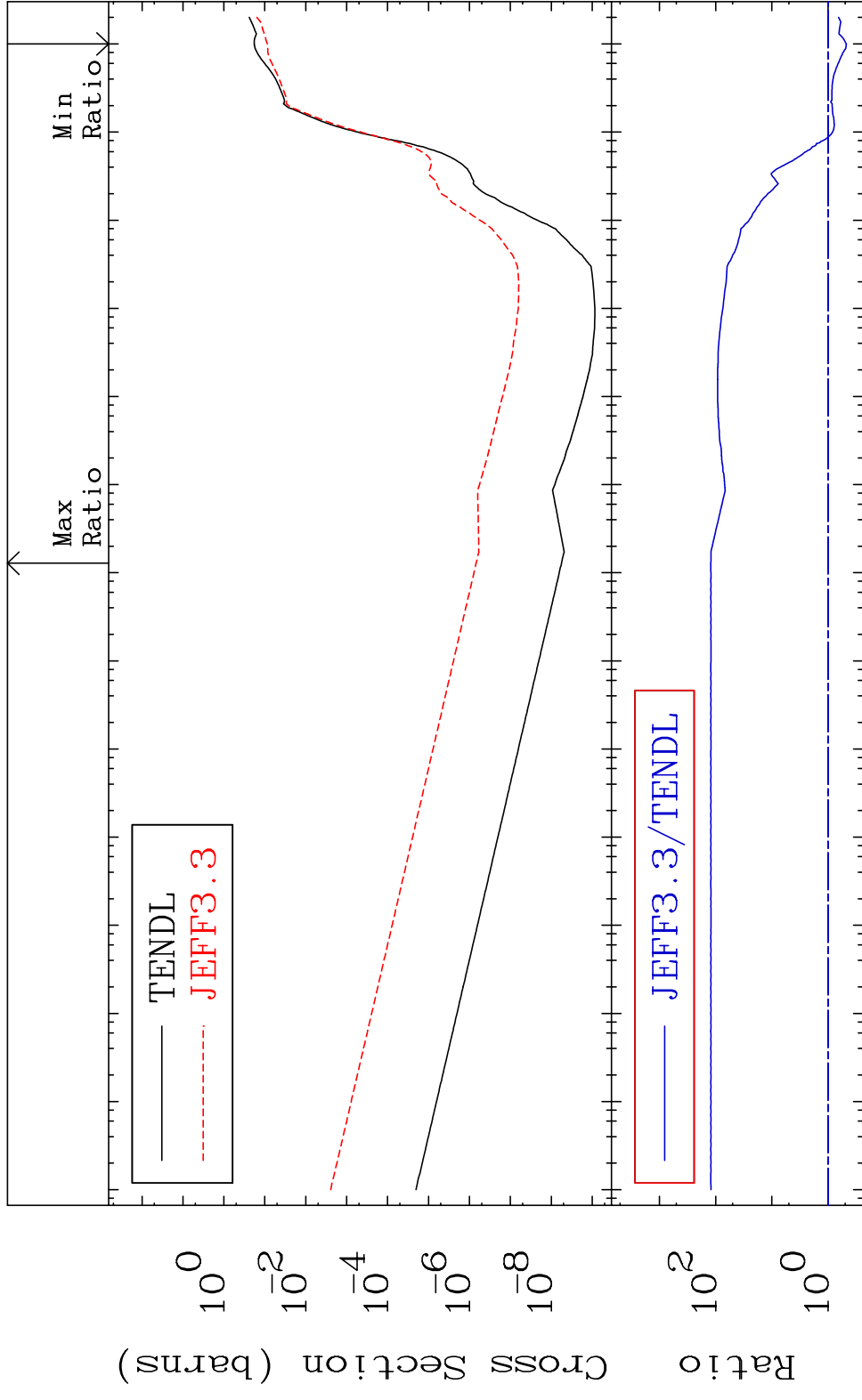


MAT 6025

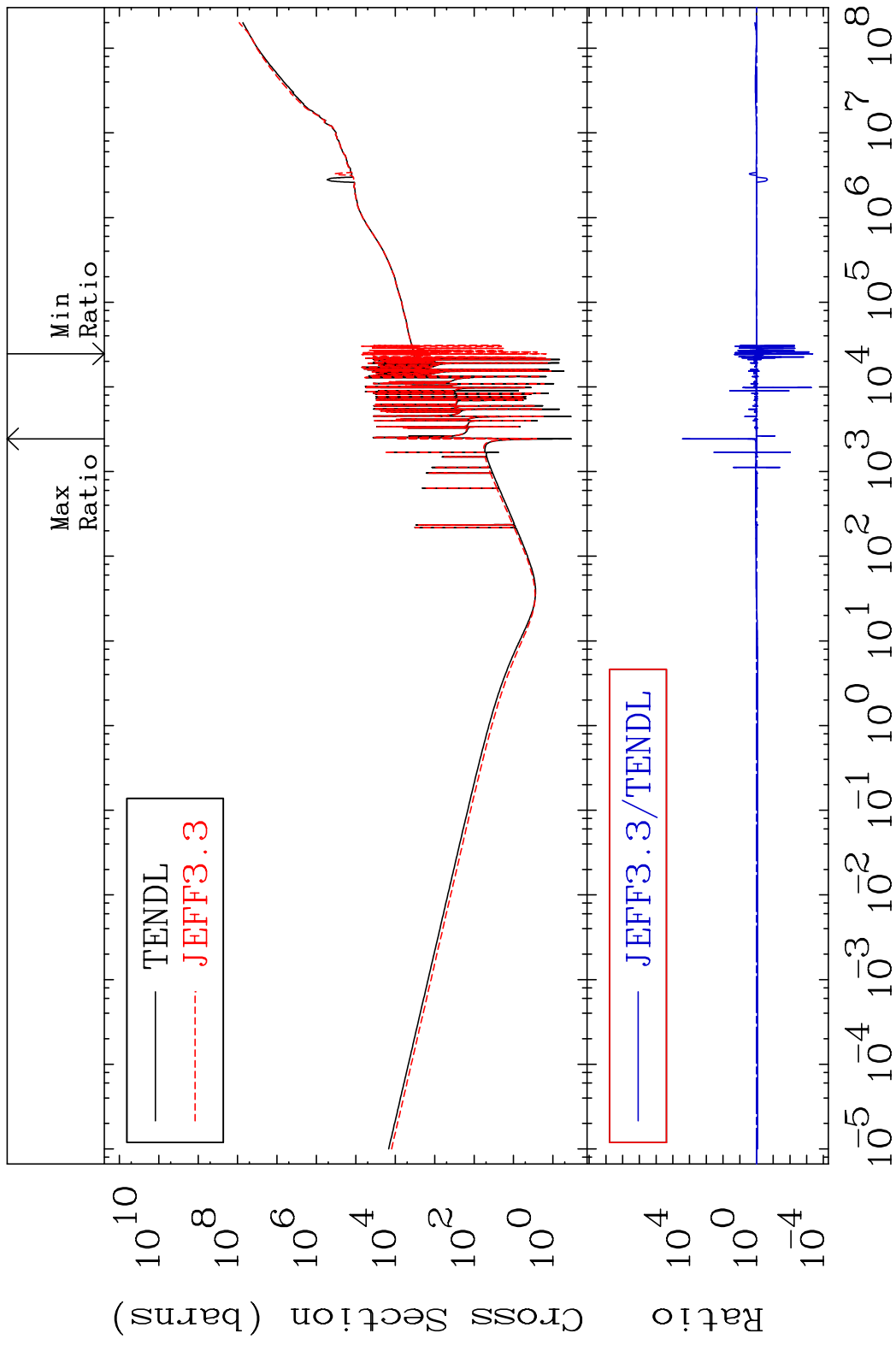
He-4 Production

60-Nd-142

Cross Section -52.48 To 9999. %



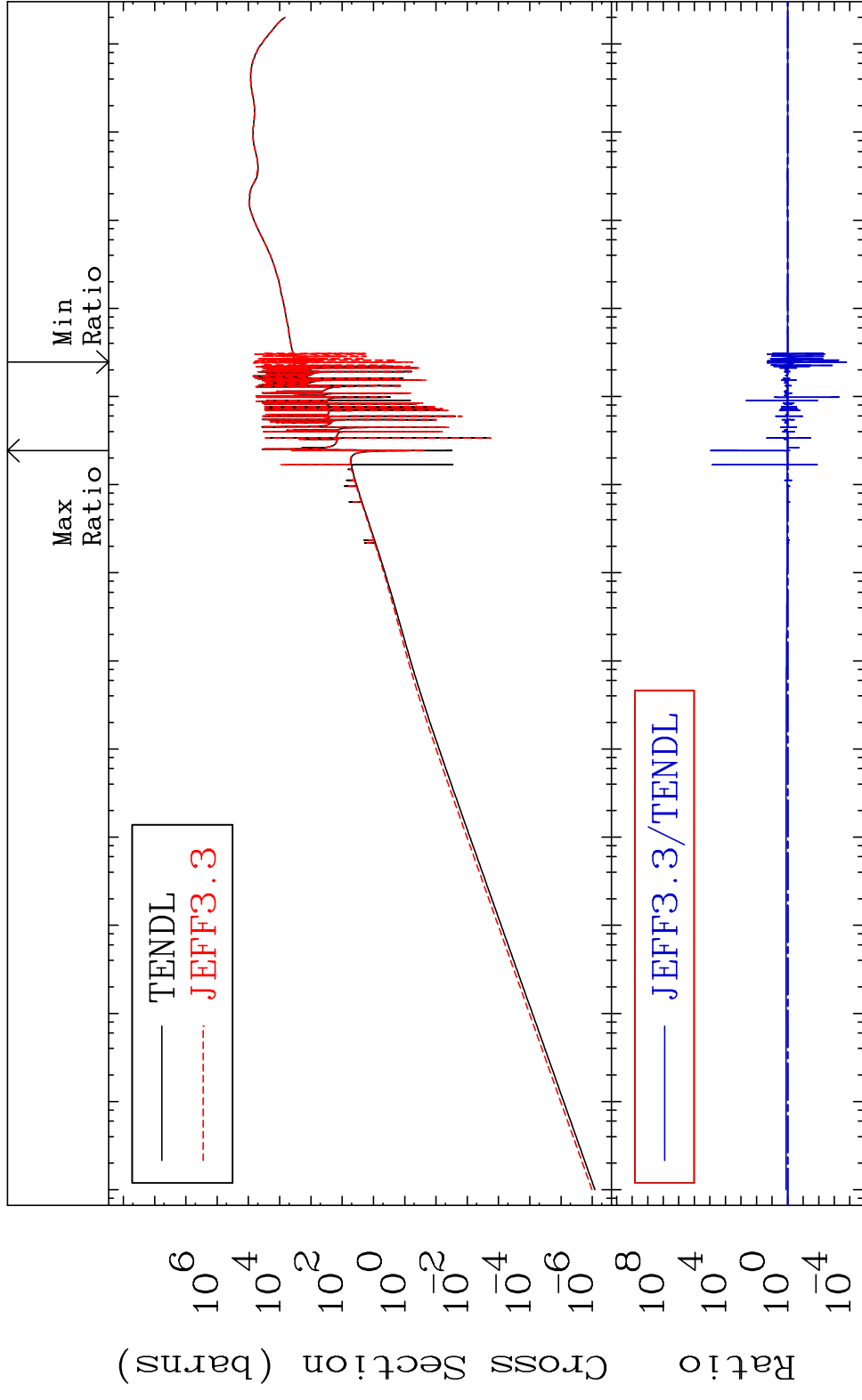
MAT 6025 Kerma total (eV-barns) 60-Nd-142
 Cross Section -99.96 To 9999. %



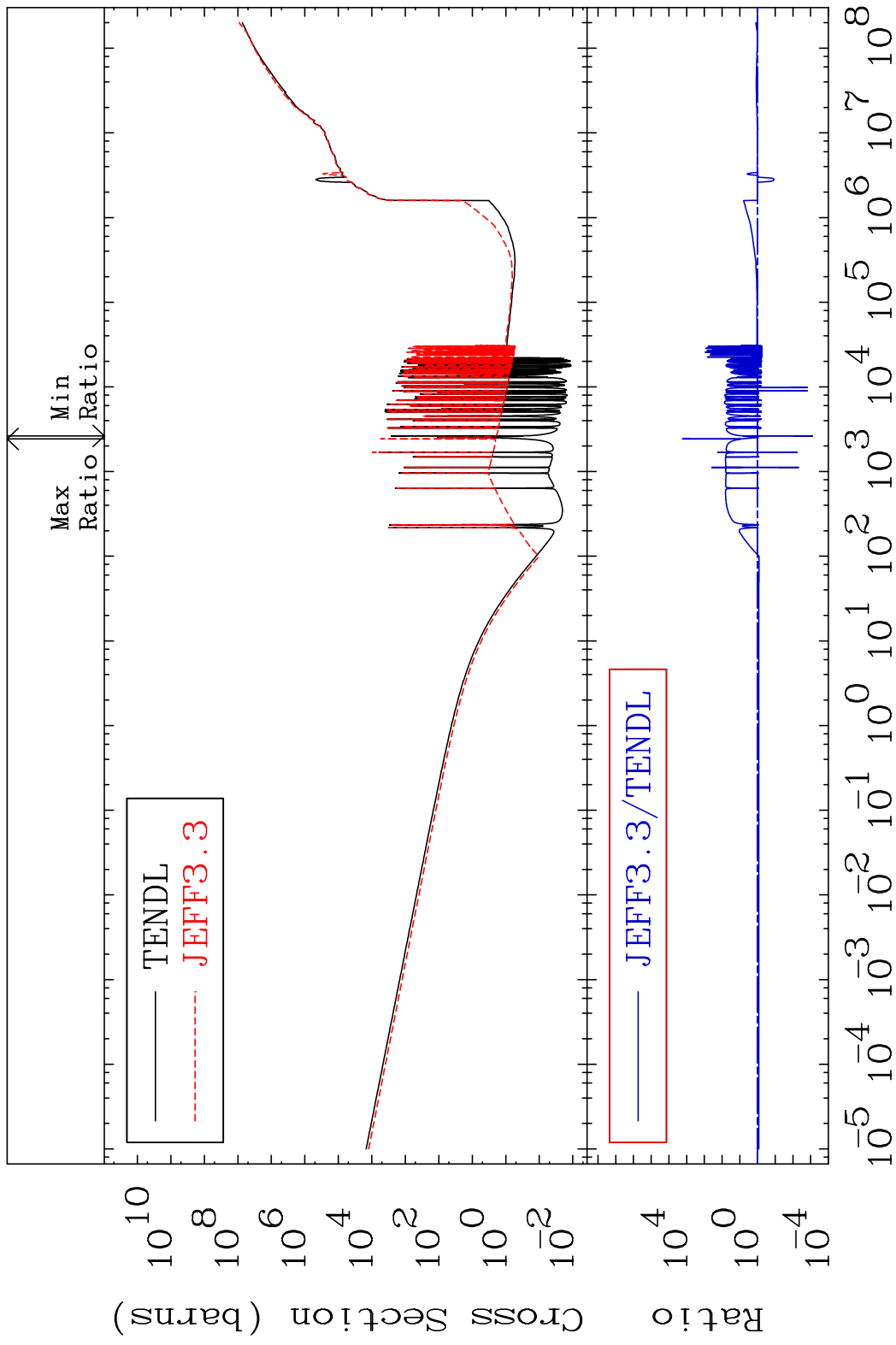
MAT 6025

Kerma elastic
Cross Section

60-Nd-142
-99.98 To 9999. %

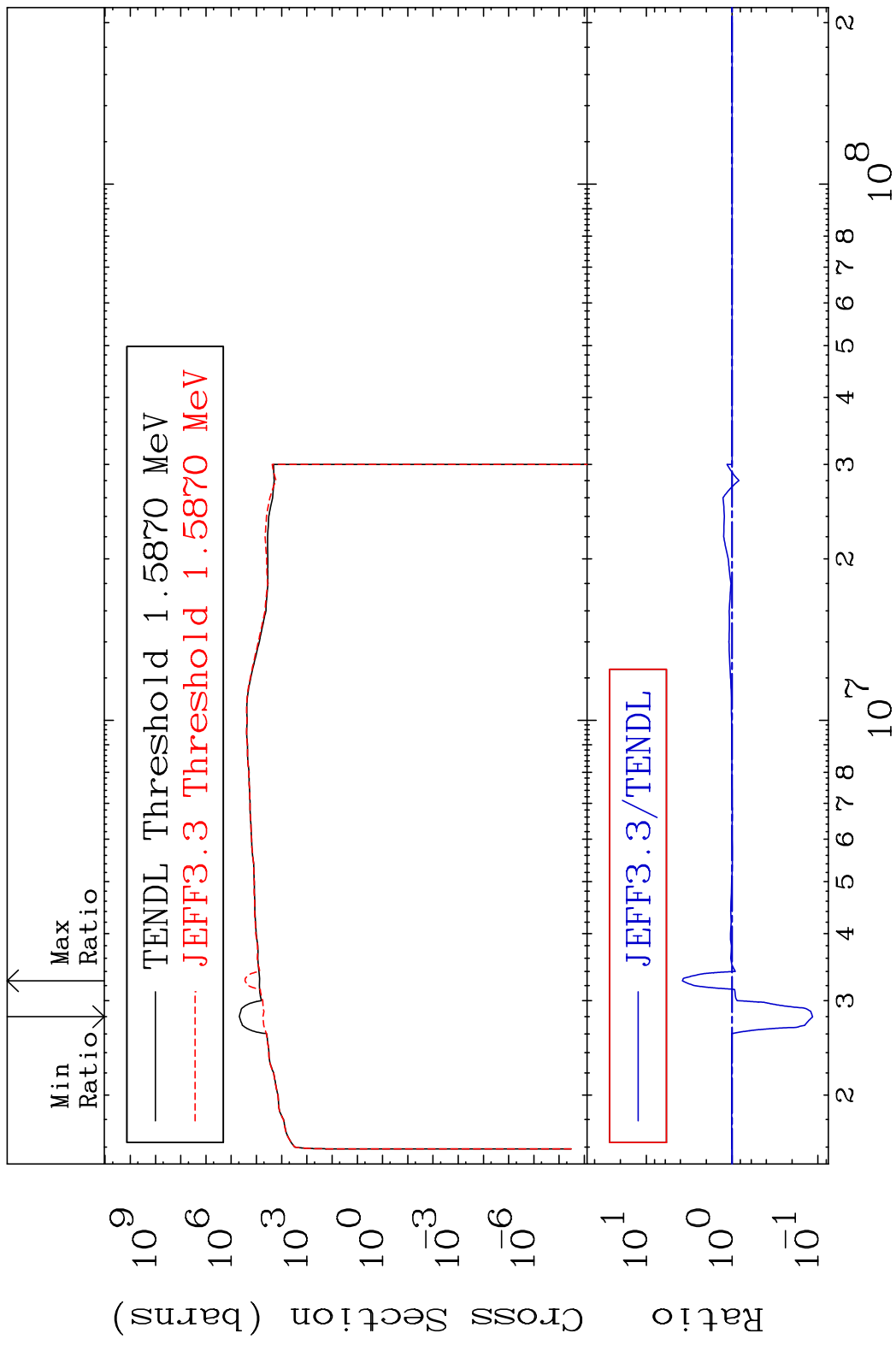


MAT 6025 Kerma non-elastic (all but mt2) 60-Nd-142
 Cross Section -99.92 To 9999. %

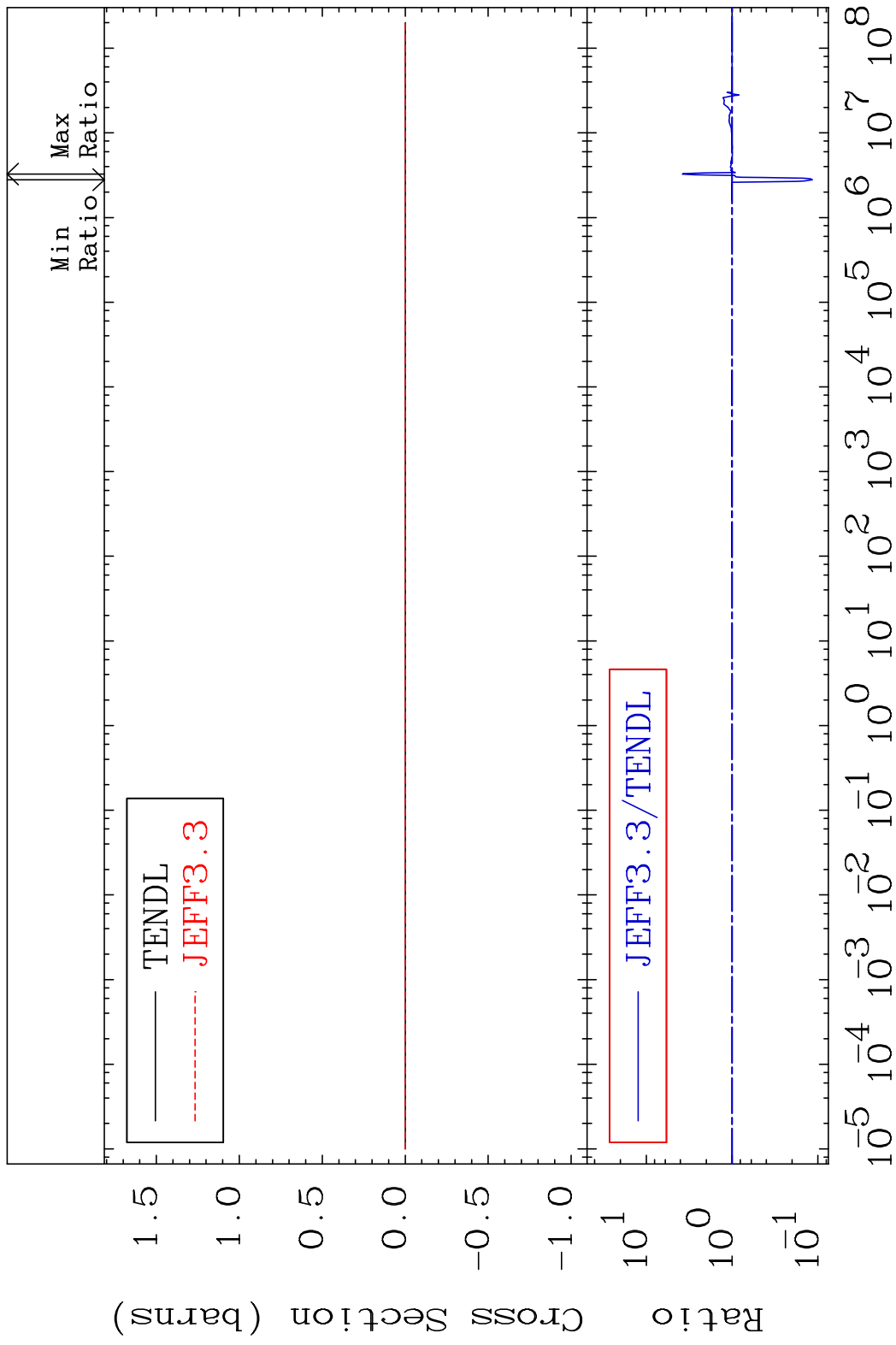


55 Incident Energy (eV) 60-Nd-142

MAT 6025 Kerma inelastic (mt51-91) 60-Nd-142
 Cross Section -88.44 To 279.7 %

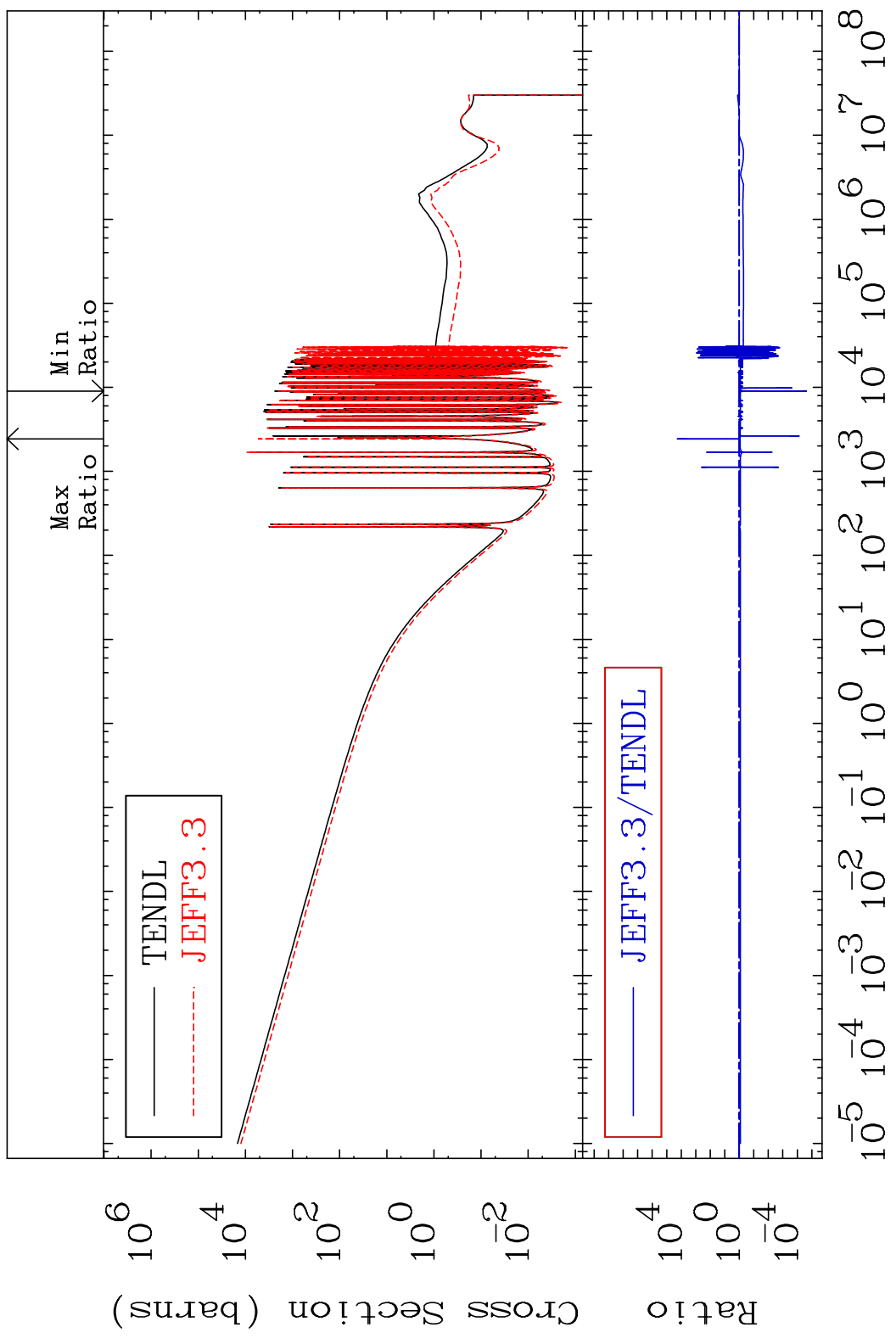


MAT 6025 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-142
 Cross Section -88.44 To 279.7 %



MAT 6025

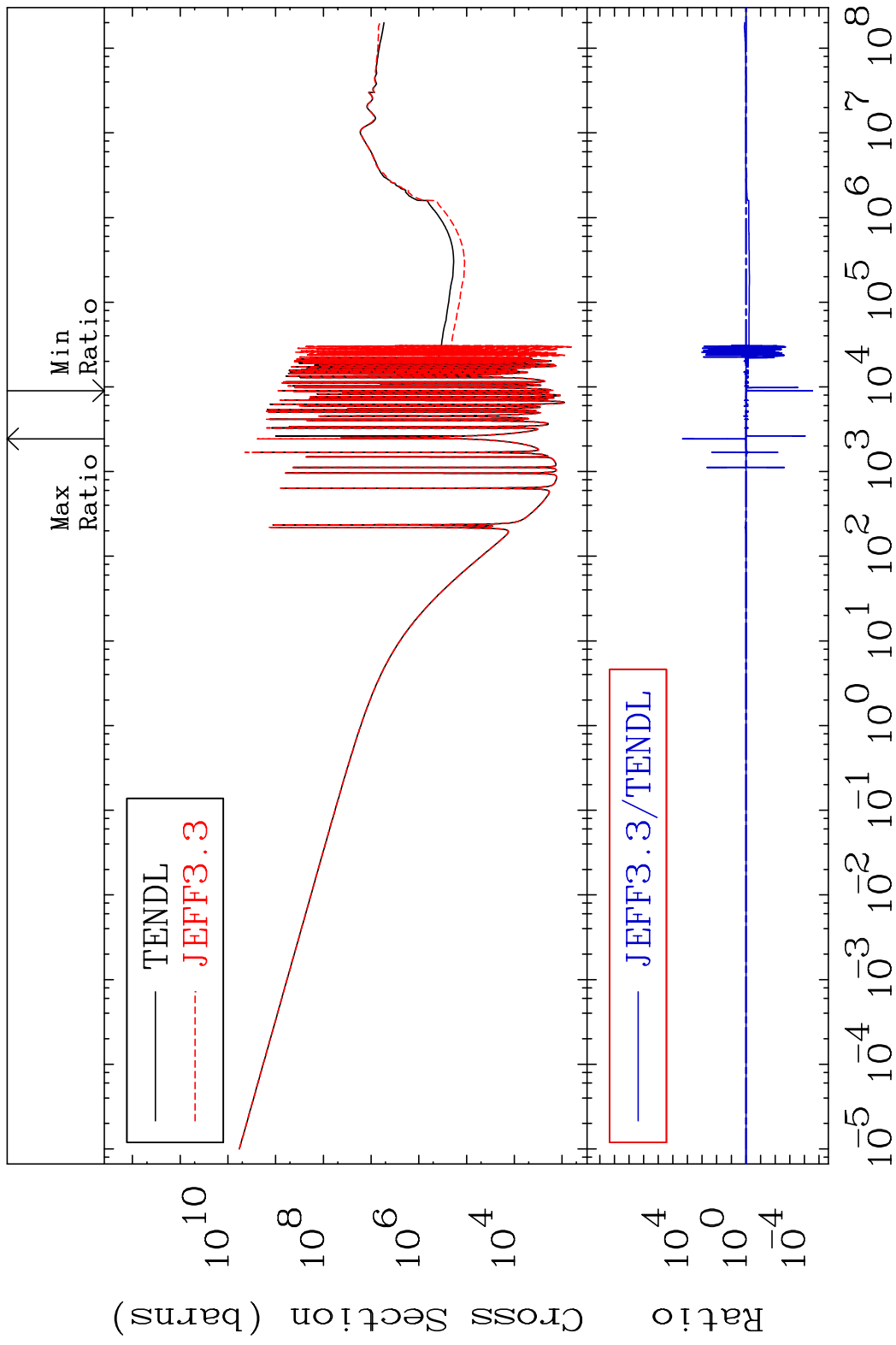
Kerma capture (mt102) 60-Nd-142
Cross Section -100.0 To 9999. %



58

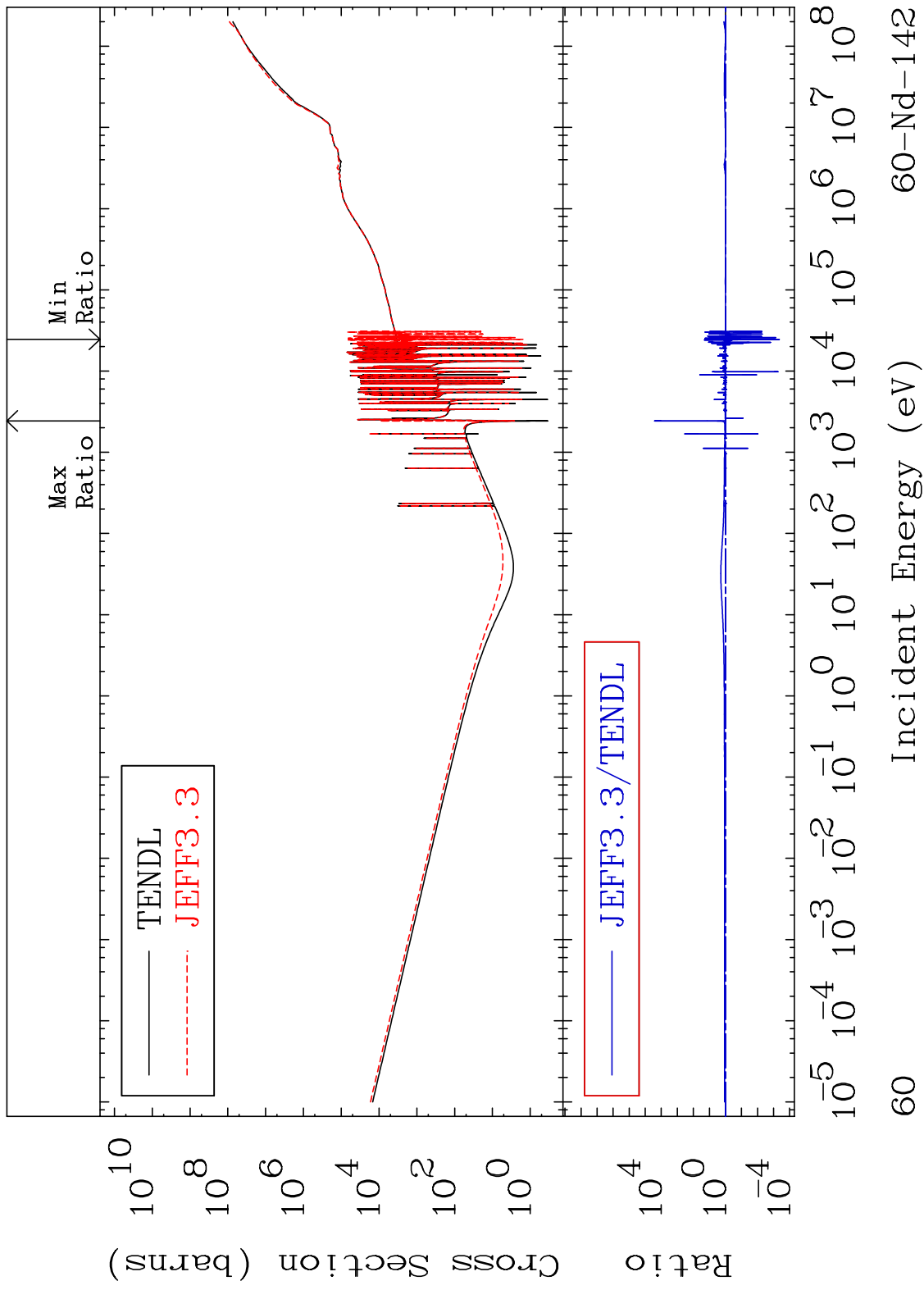
Incident Energy (eV) 60-Nd-142

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



59 Incident Energy (eV) 60-Nd-142

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

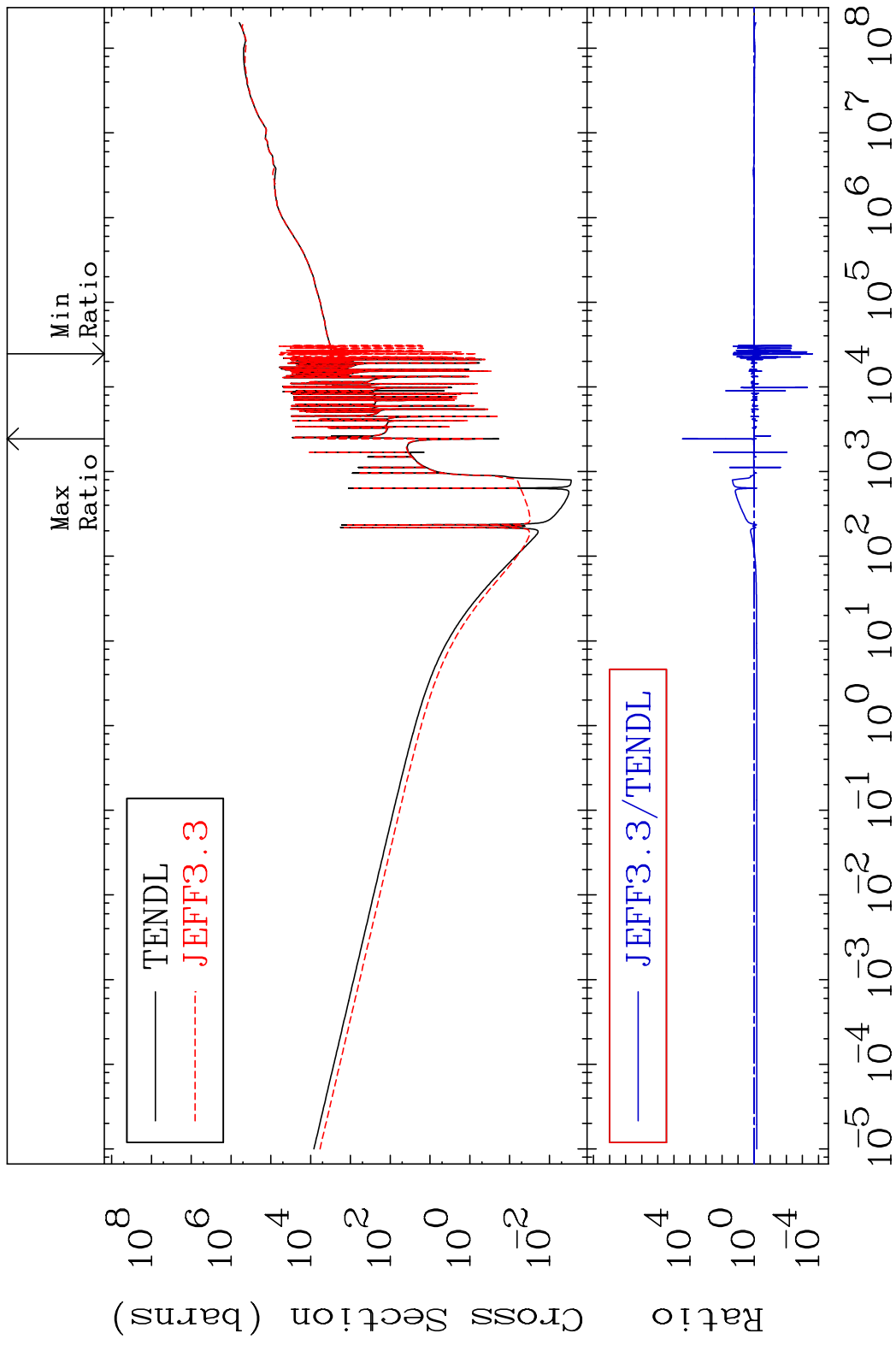


60

Incident Energy (eV)

60-Nd-142

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



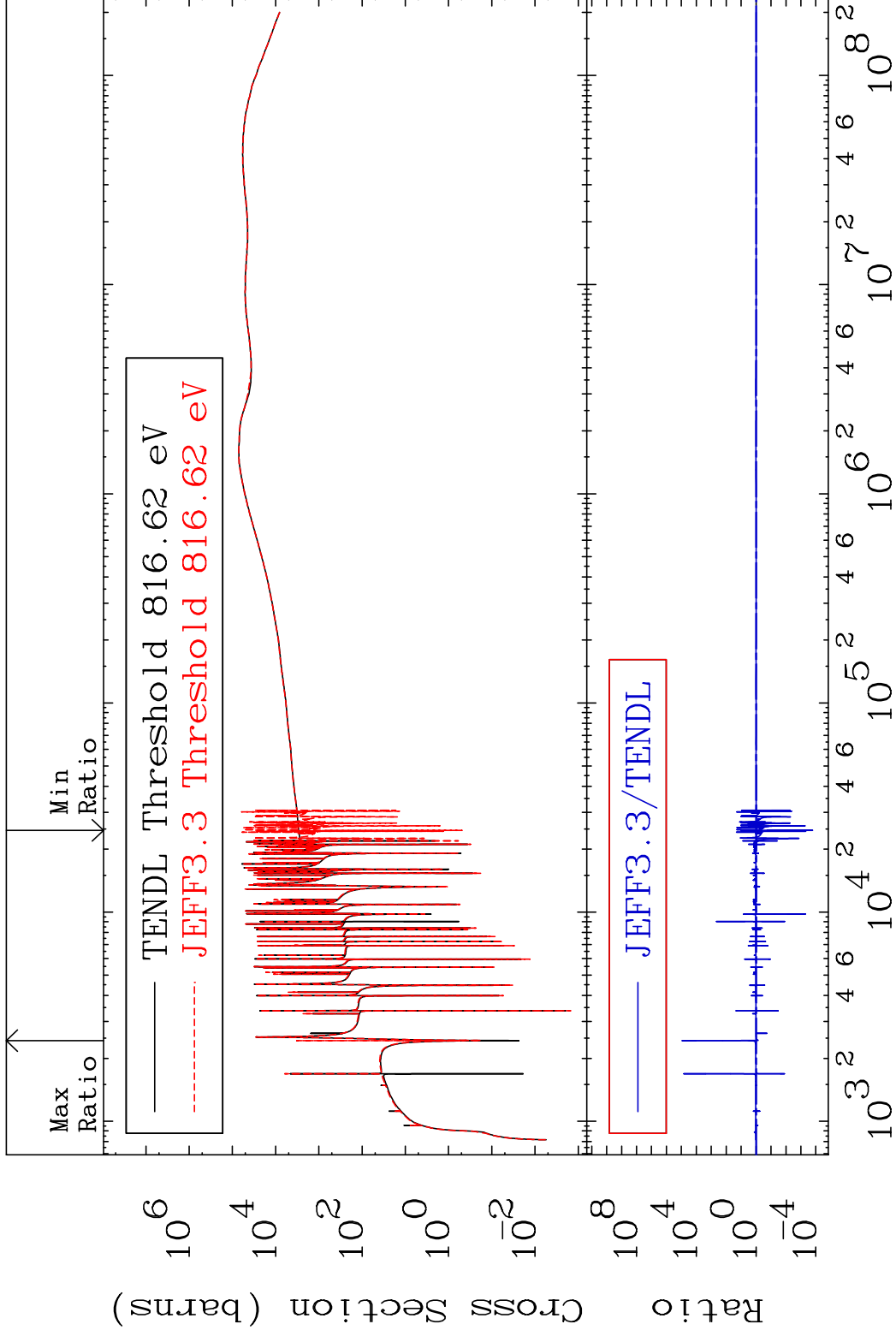
61 Incident Energy (eV) 60-Nd-142

MAT 6025

Dpa elastic (mt2)

60-Nd-142

Cross Section -99.98 To 9999. %

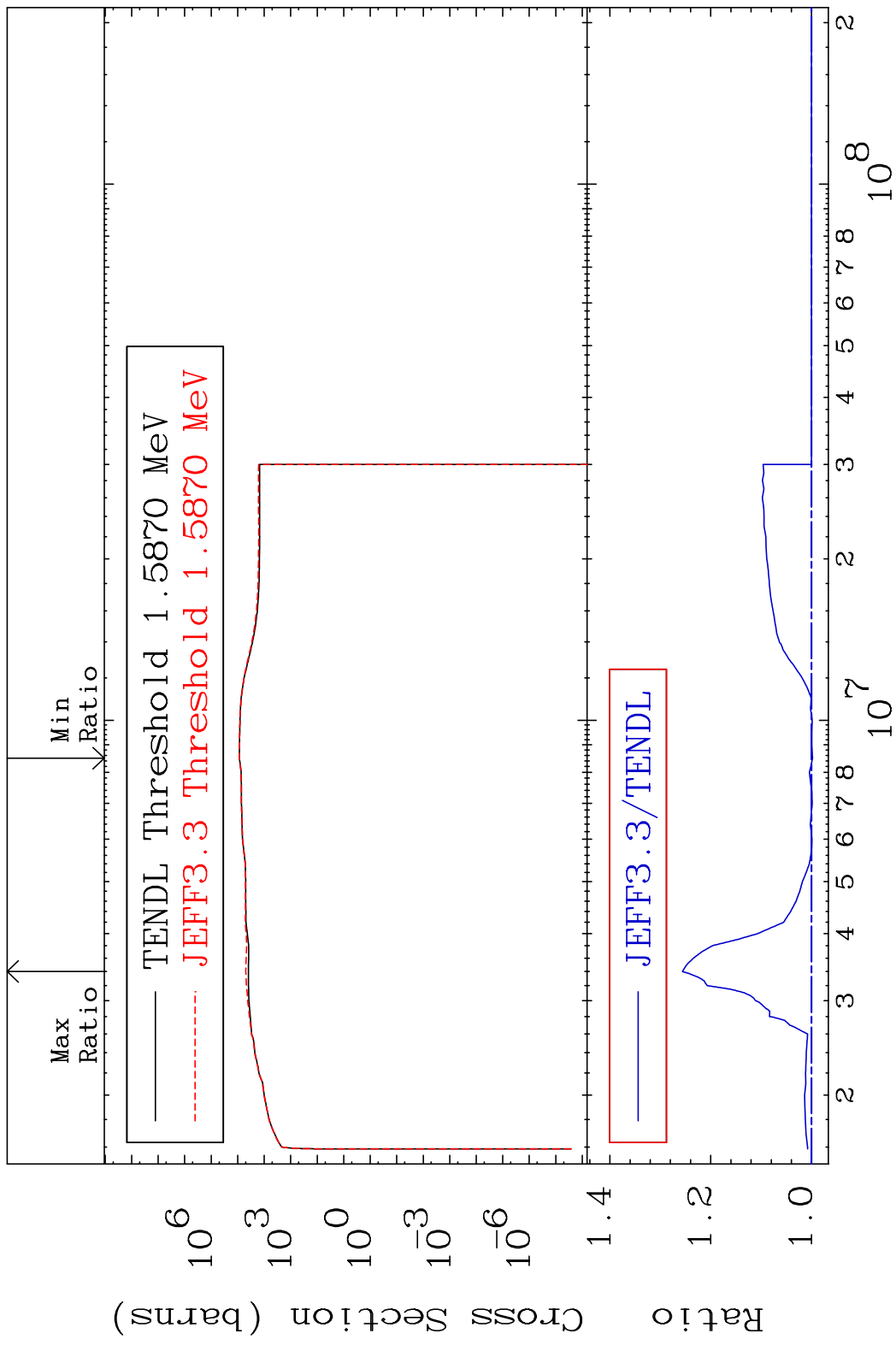


62

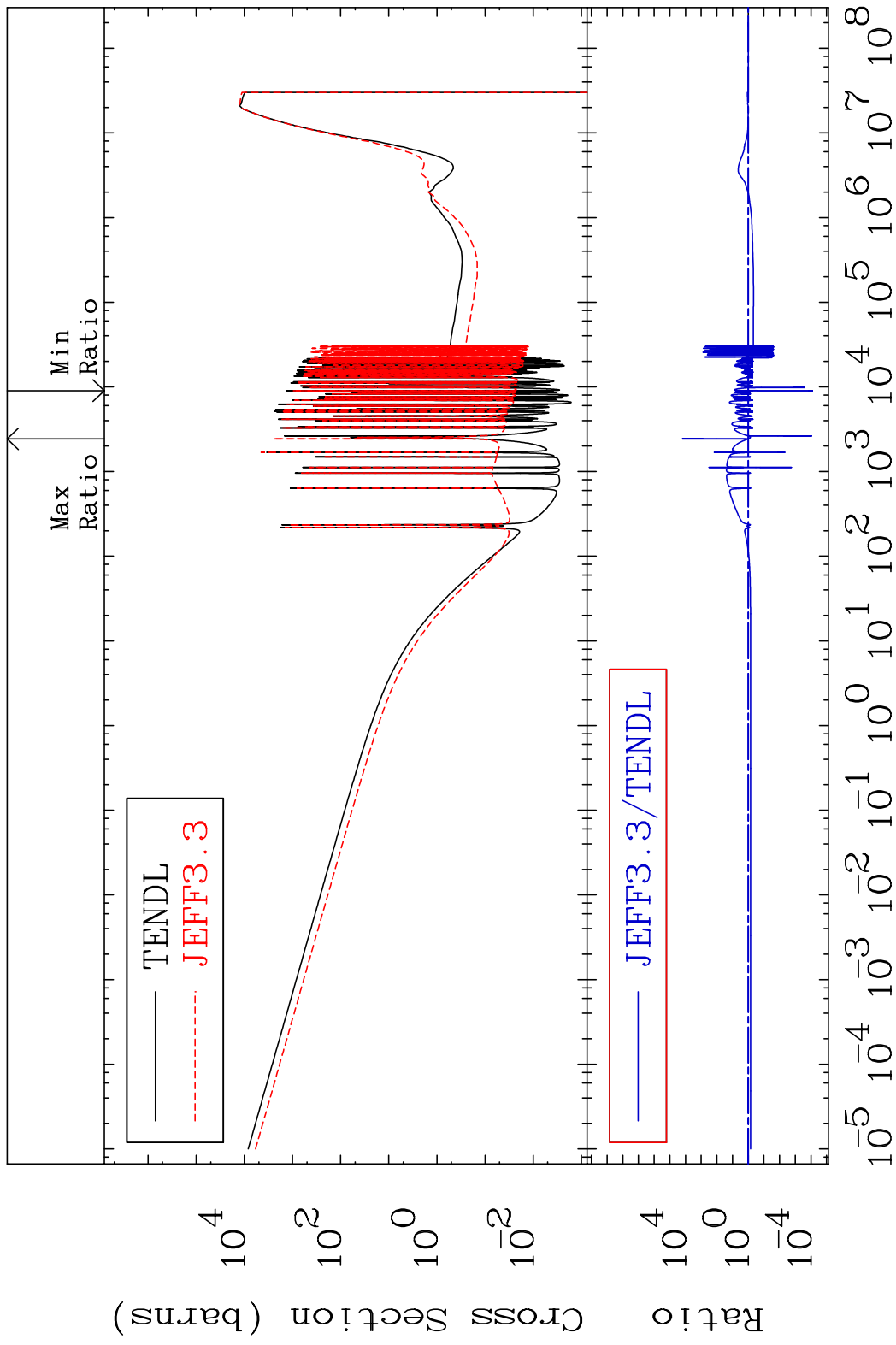
Incident Energy (eV)

60-Nd-142

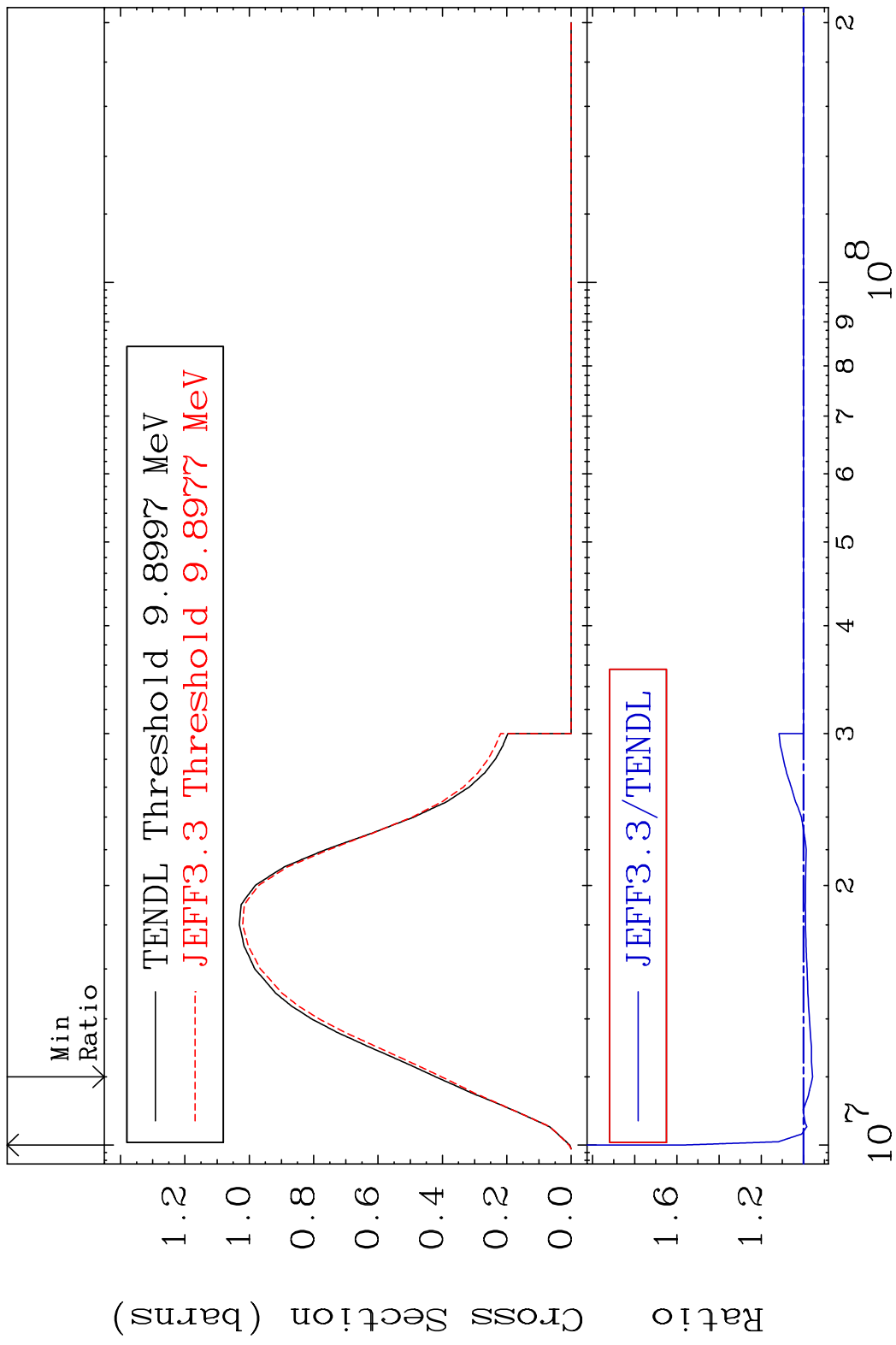
MAT 6025 Dpa inelastic (mt51-91) 60-Nd-142
 Cross Section -0.197 To 25.63 %



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

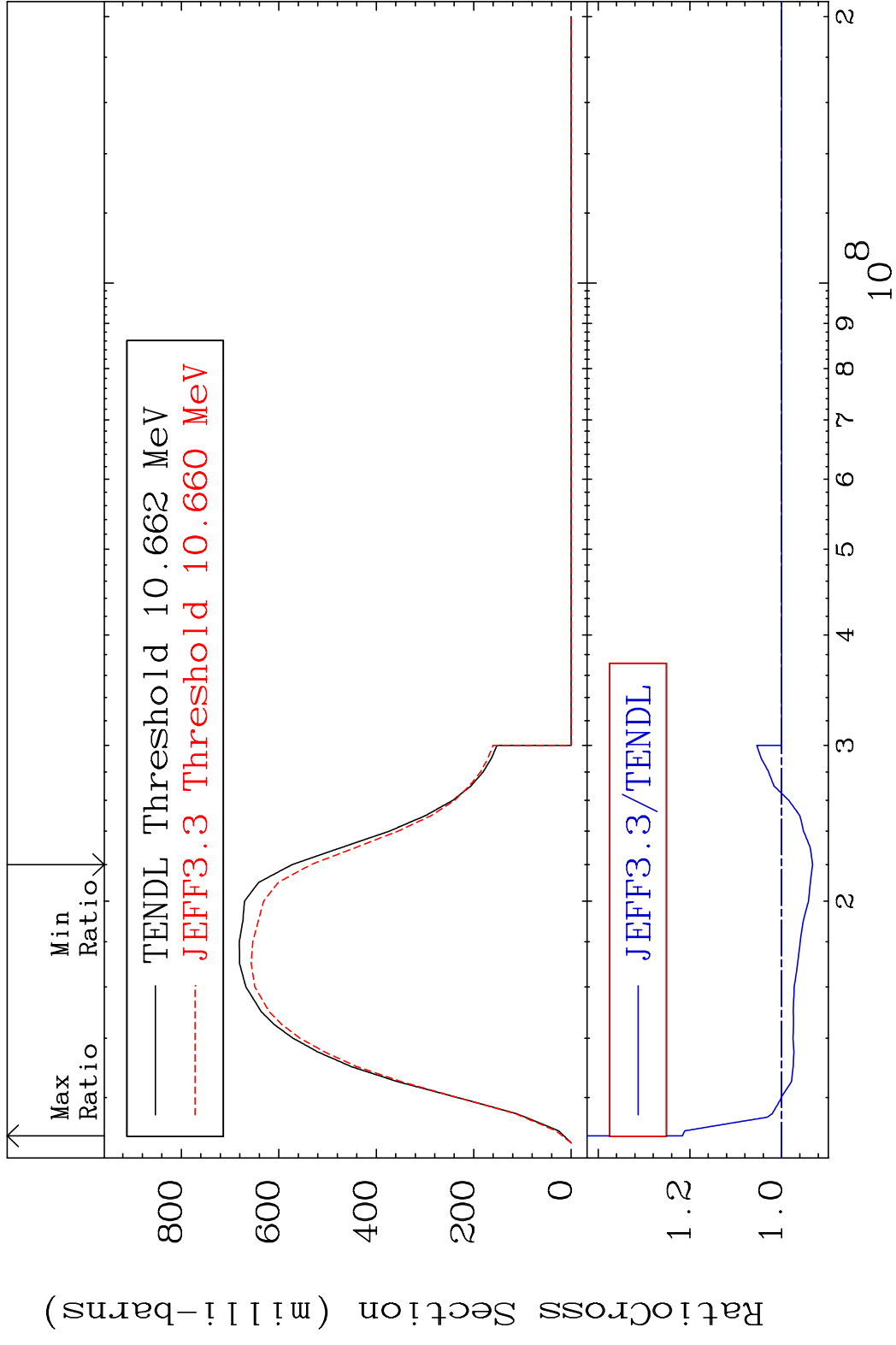


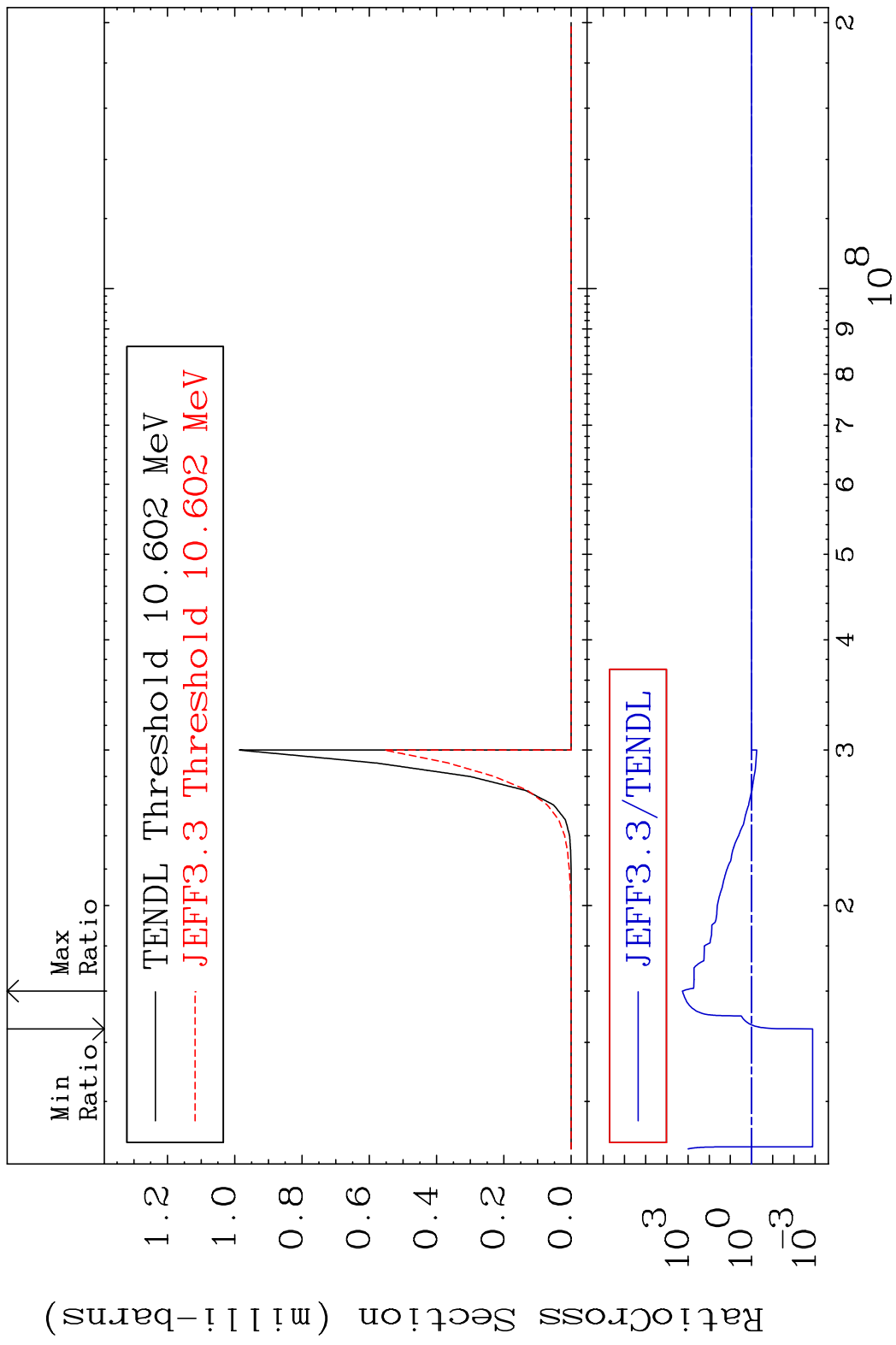
MAT 6025 (n,2n):60-Nd-141g 60-Nd-142
 Radionuclide Production Cross Section 57.41 %



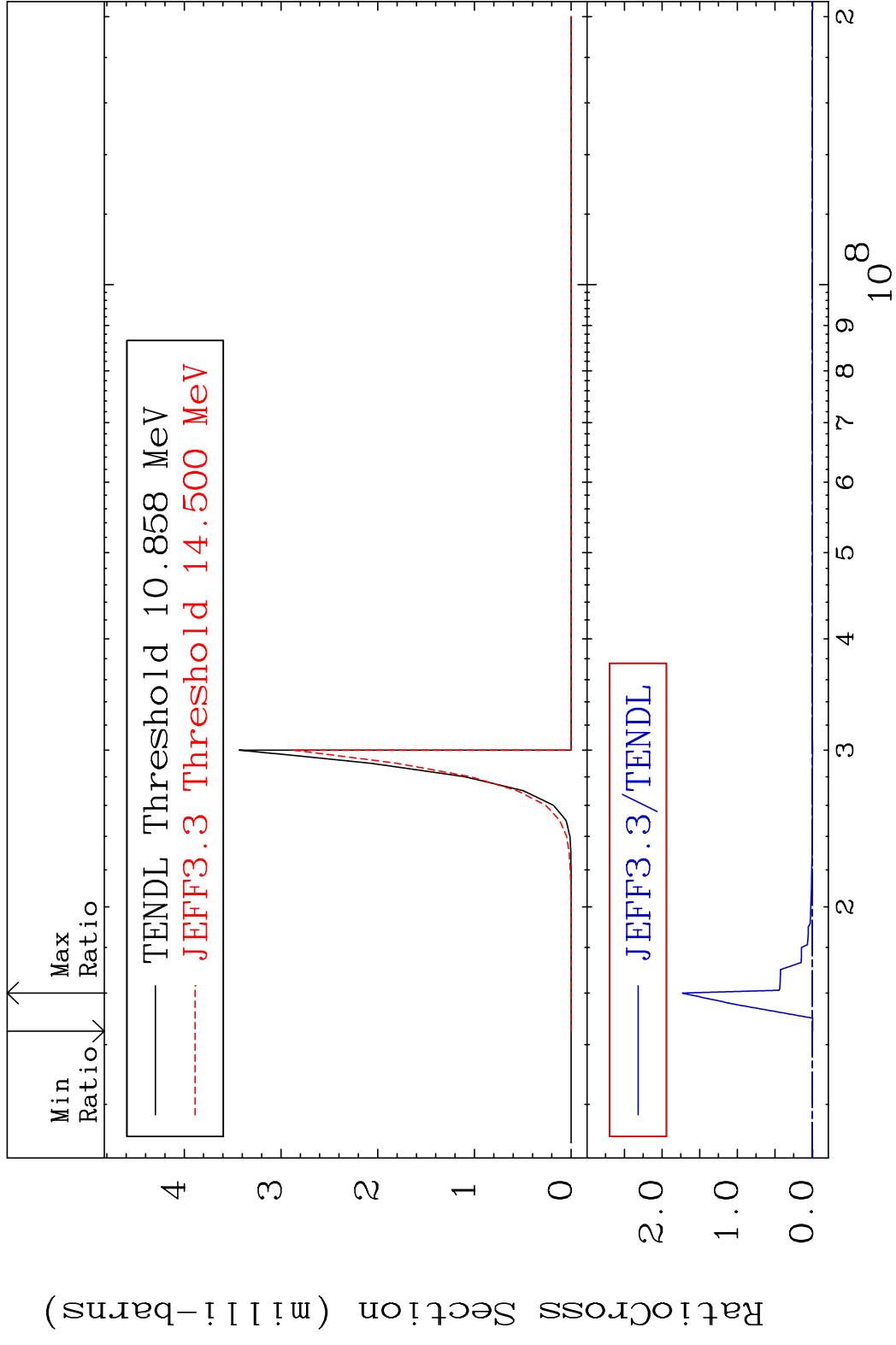
65 Incident Energy (eV) 60-Nd-142

MAT 6025 (n,2n):60-Nd-141m2 60-Nd-142
 Radionuclide Production Cross Section 21.65 %

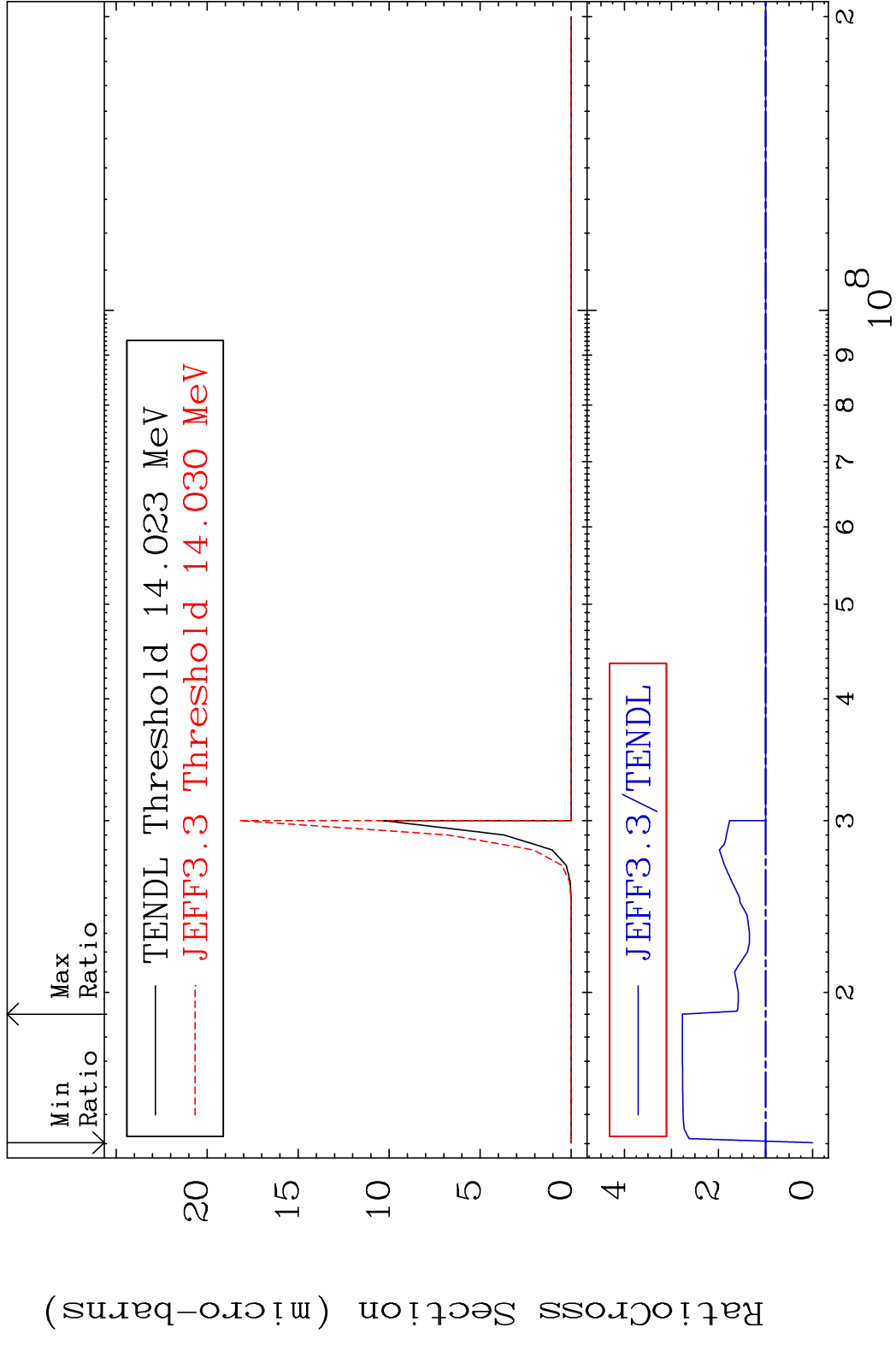




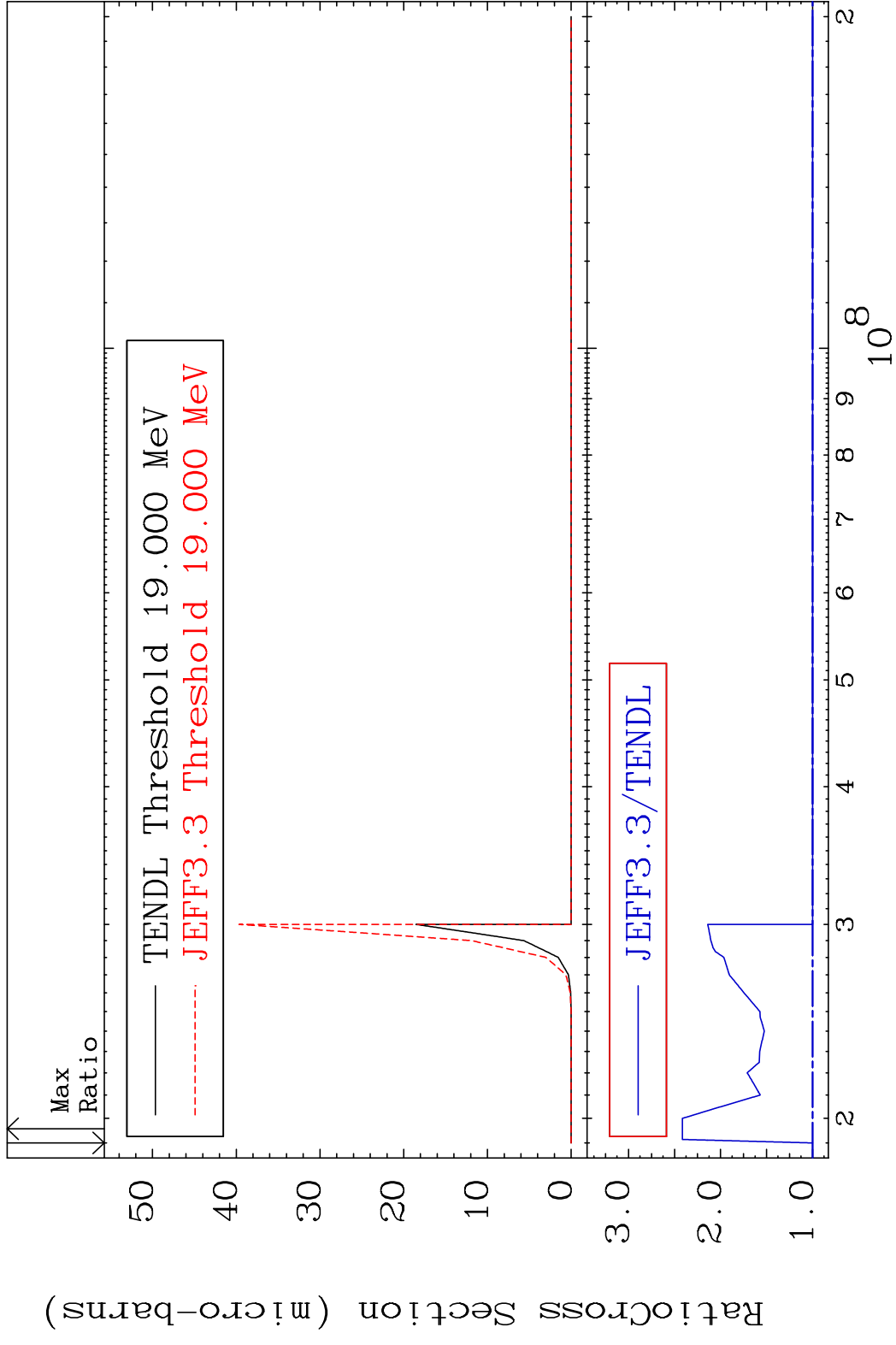
MAT 6025 (n,2n) α :58-Ce-137m2 60-Nd-142
 Radionuclide Production Cross Section 100.00 to 9999.00 %



MAT 6025 (n, n') He-3:58-Ce-139g 60-Nd-142
 Radionuclide Production Cross Section 180.0 mb 176.9 %

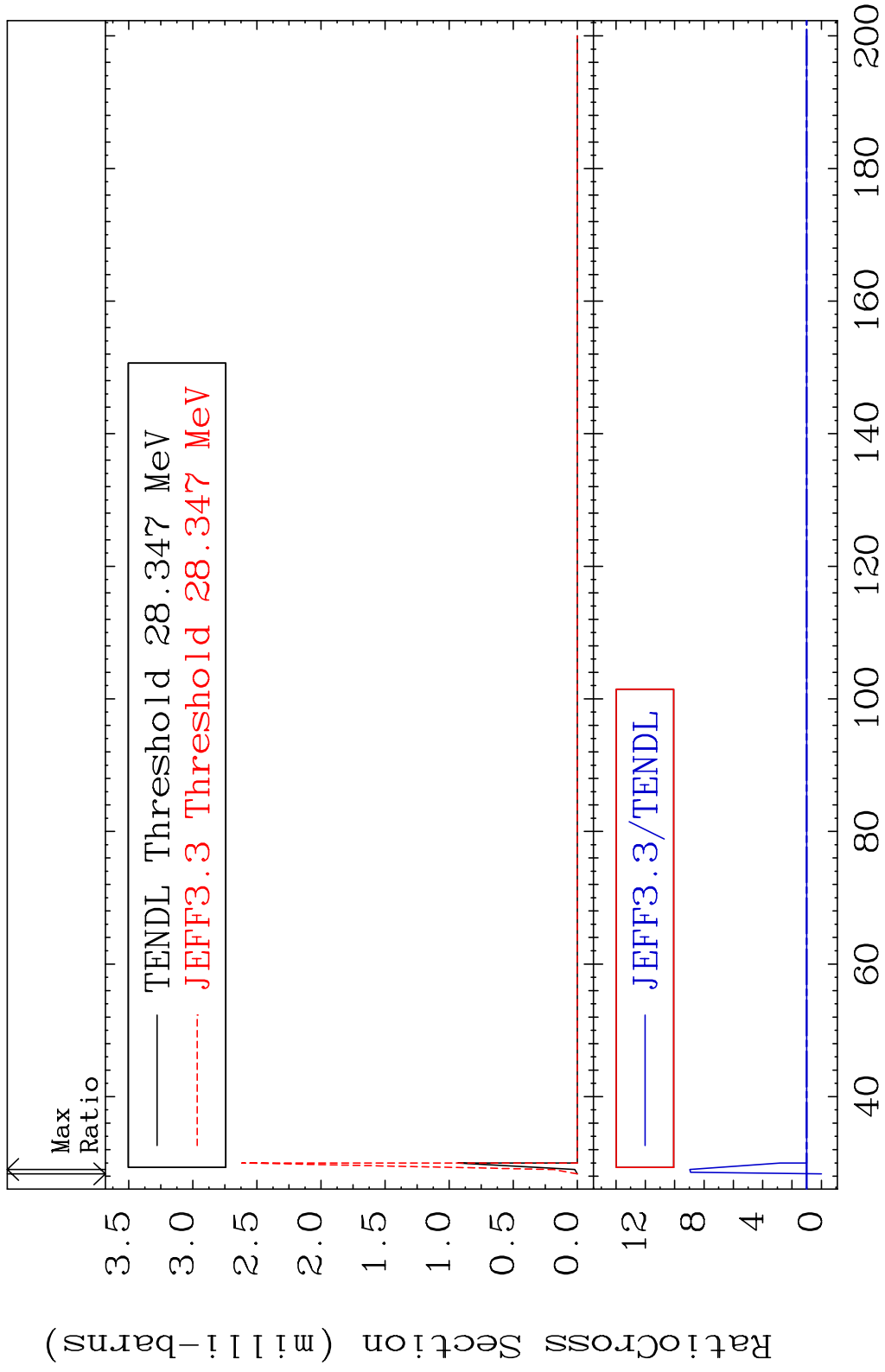


MAT 6025 (n, n') He-3:58-Ce-139m2 60-Nd-142
 Radionuclide Production Cross Section 141.5 %

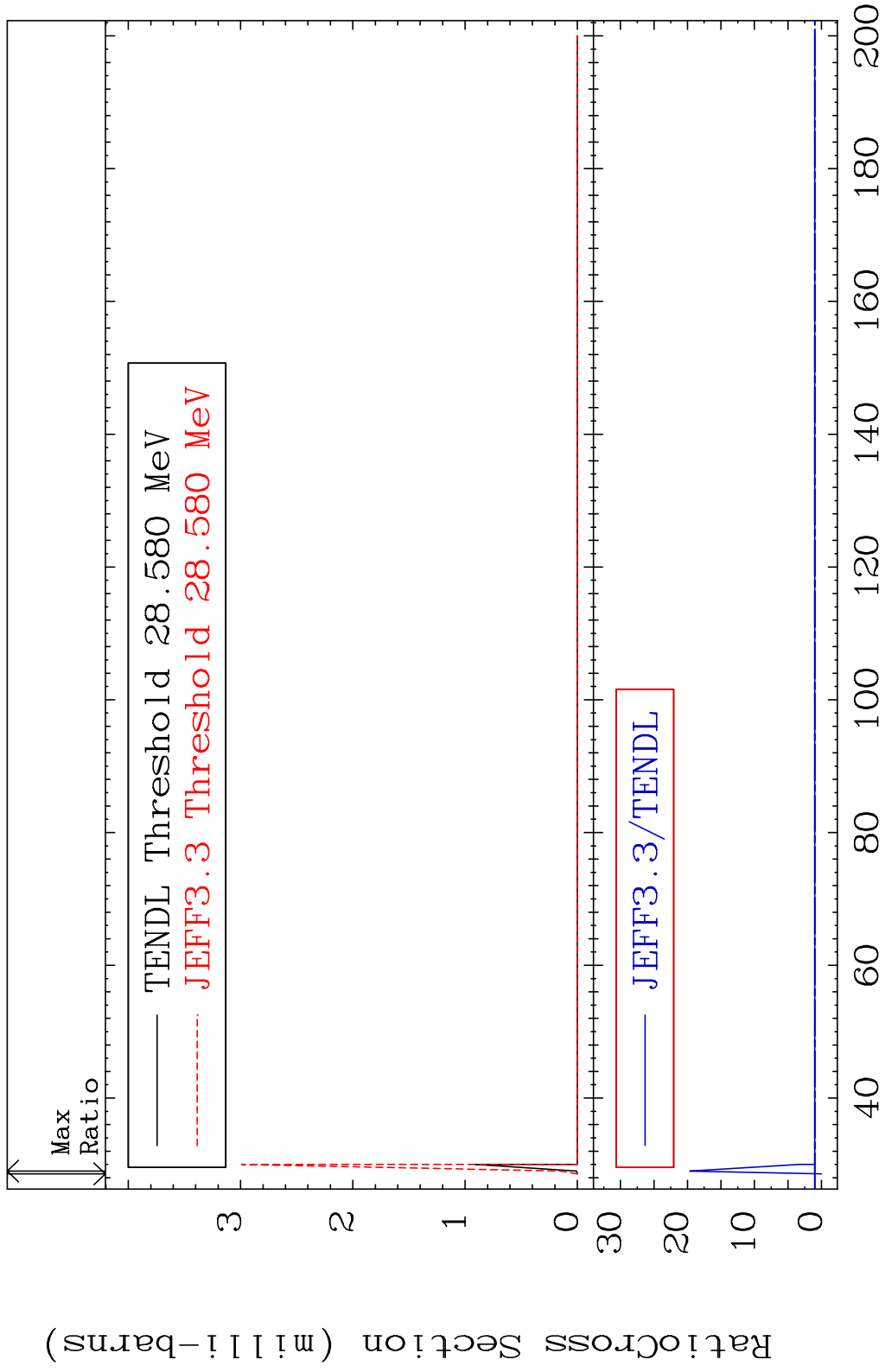


70 Incident Energy (eV) 60-Nd-142

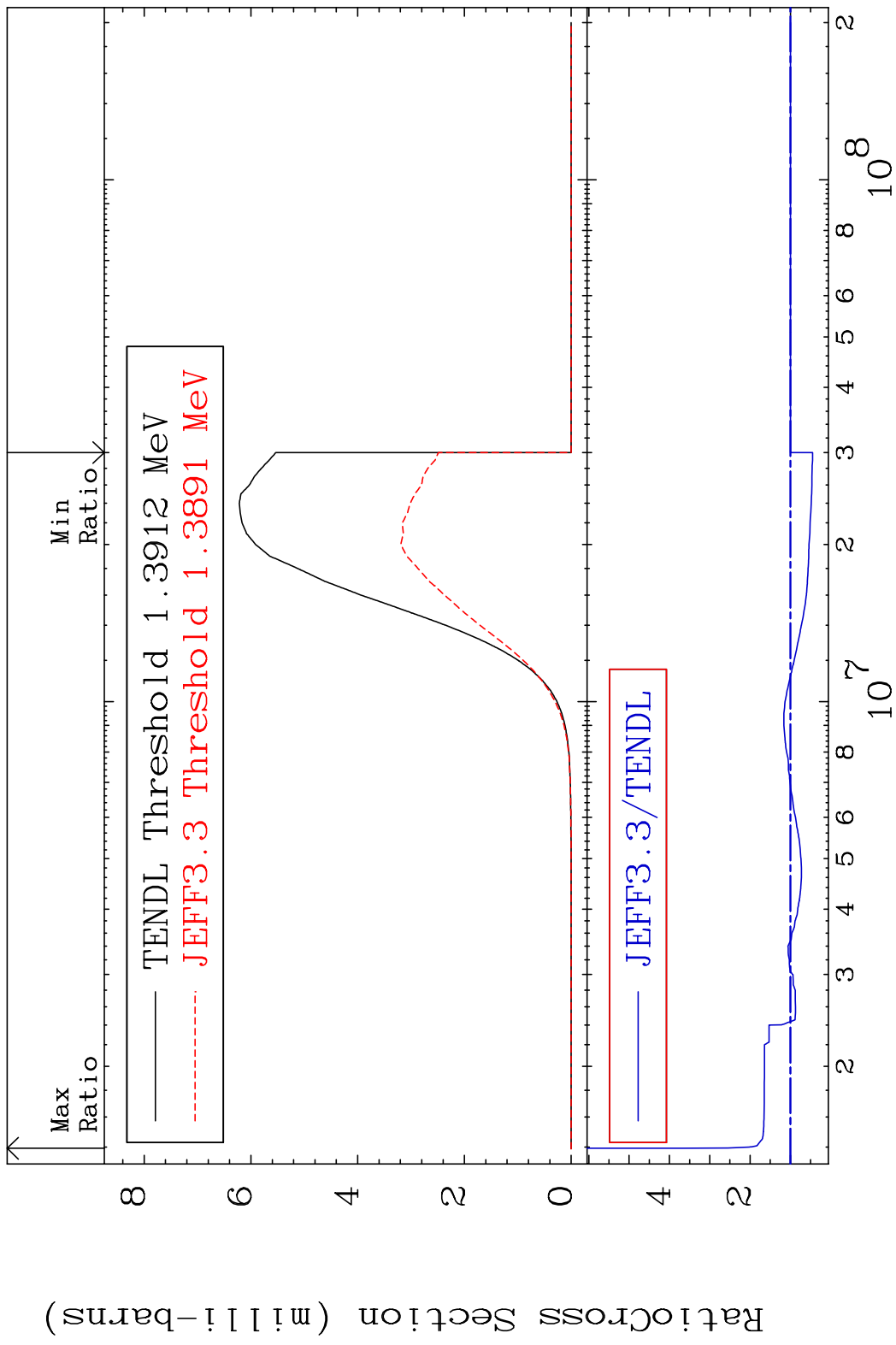
MAT 6025 (n,4n):60-Nd-139g 60-Nd-142
 Radionuclide Production Cross Section 180.01 dth 796.9 %



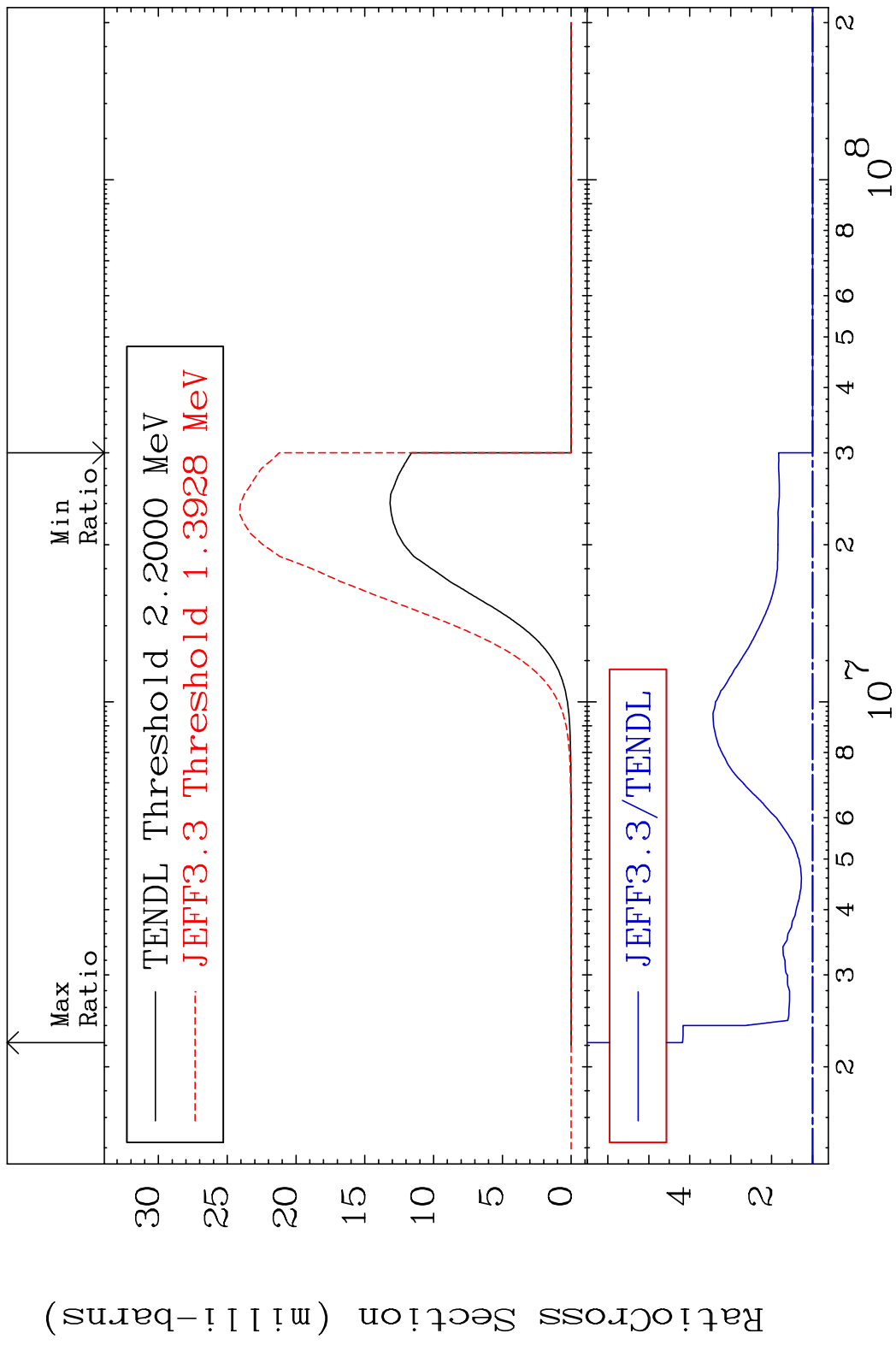
MAT 6025 (n, 4n):60-Nd-139m2 60-Nd-142
 Radionuclide Production Cross Section 1866.0 %
 1866.0 %



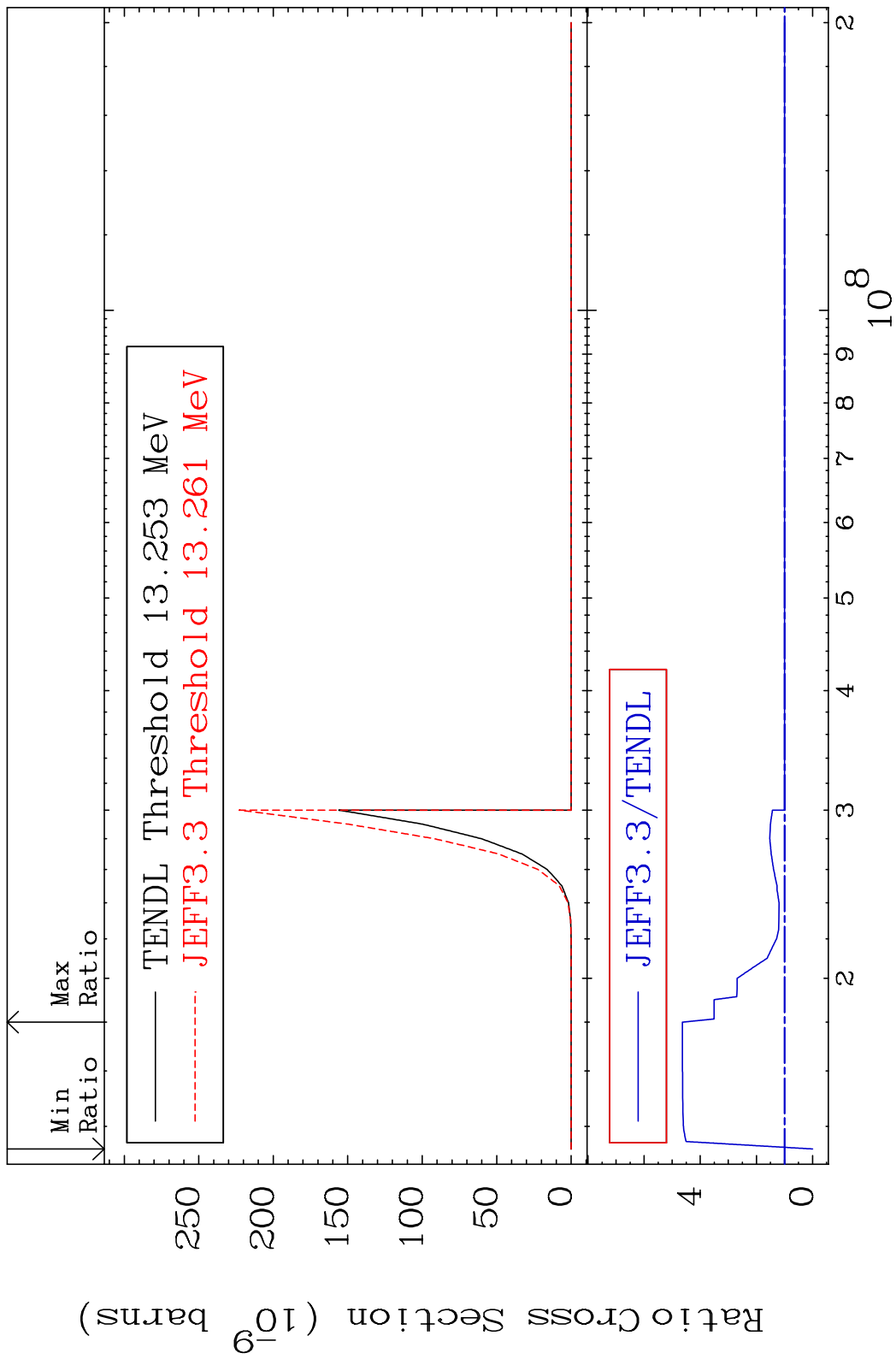
MAT 6025 (n,p):59-Pr-142g 60-Nd-142
 Radionuclide Production Cross Section 550210 267.9 %



MAT 6025 (n, p):59-Pr-142m1 60-Nd-142
 Radionuclide Production Cross Section 318.0 %



MAT 6025 (n,p) t:58-Ce-139g 60-Nd-142
 Radionuclide Production Cross Section 180.01 dth 363.8 %



MAT 6025 (n, p) t:58-Ce-139m2 60-Nd-142
 Radionuclide Production Cross Section 300.500 eV 313.1 %

