

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

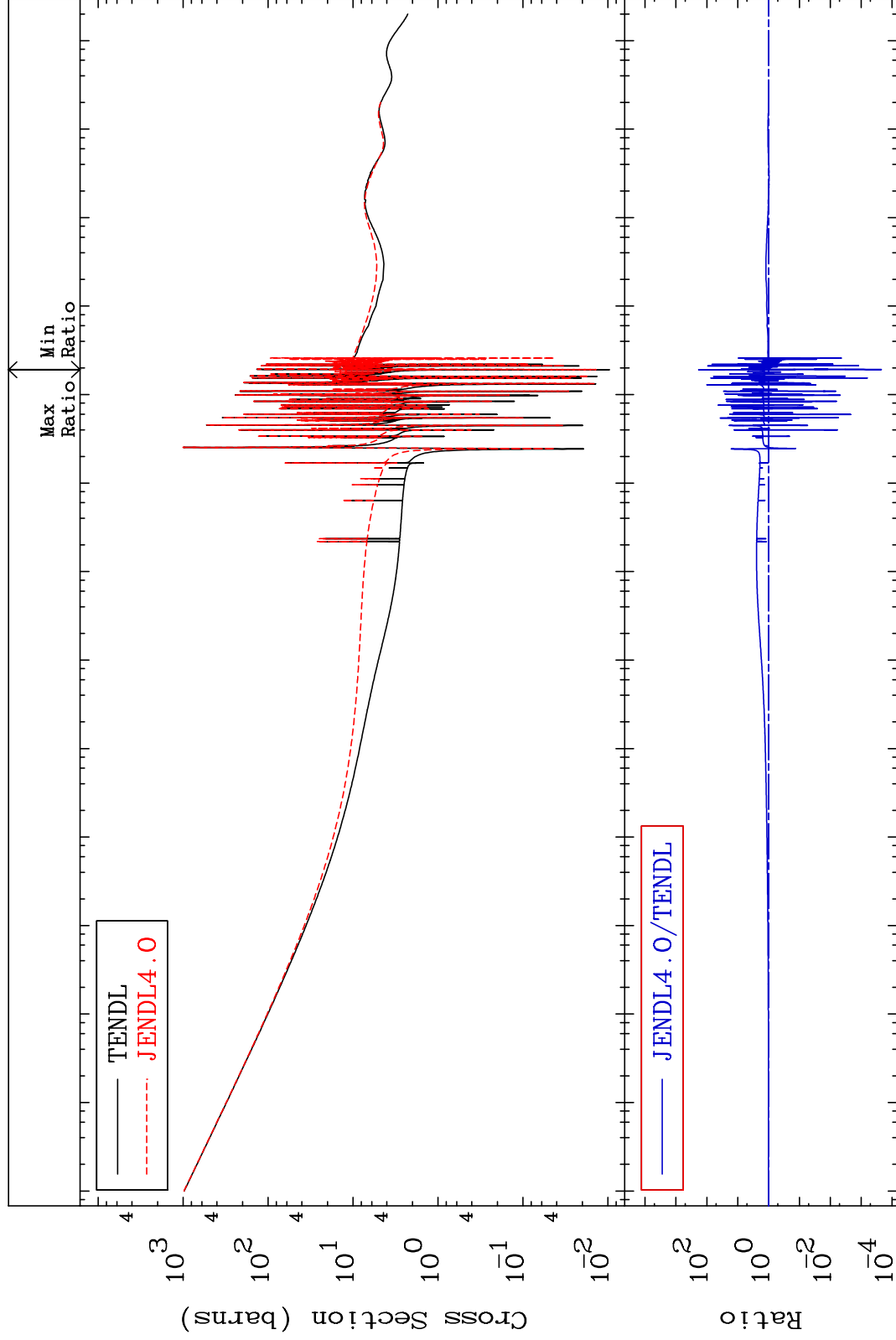
MAT 6025

Total

60-Nd-142

Cross Section

-99.98 To 9999. %



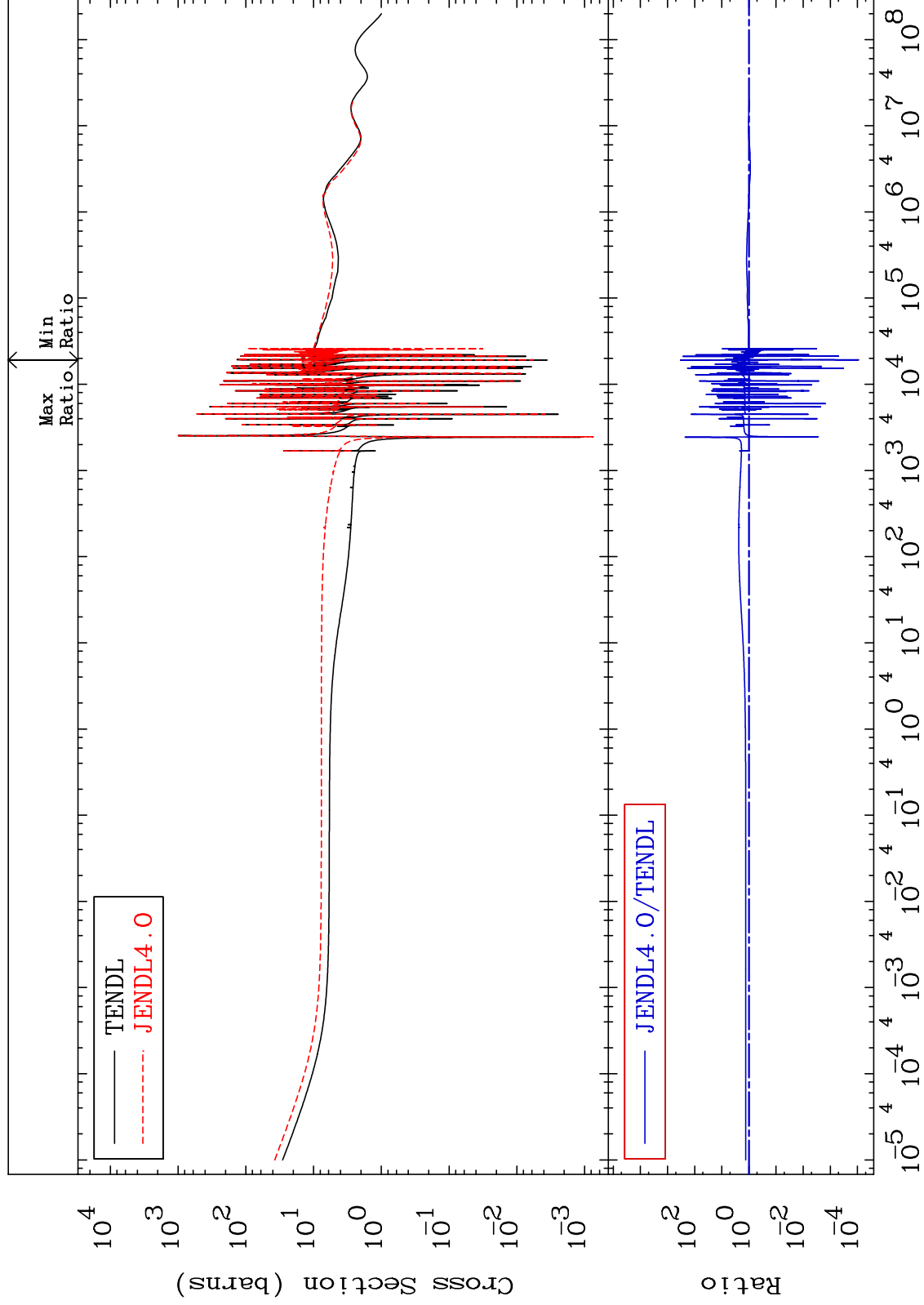
Incident Energy (eV)

60-Nd-142

MAT 6025

Elastic
Cross Section

60-Nd-142
-99.99 To 9999. %



2

Incident Energy (eV)

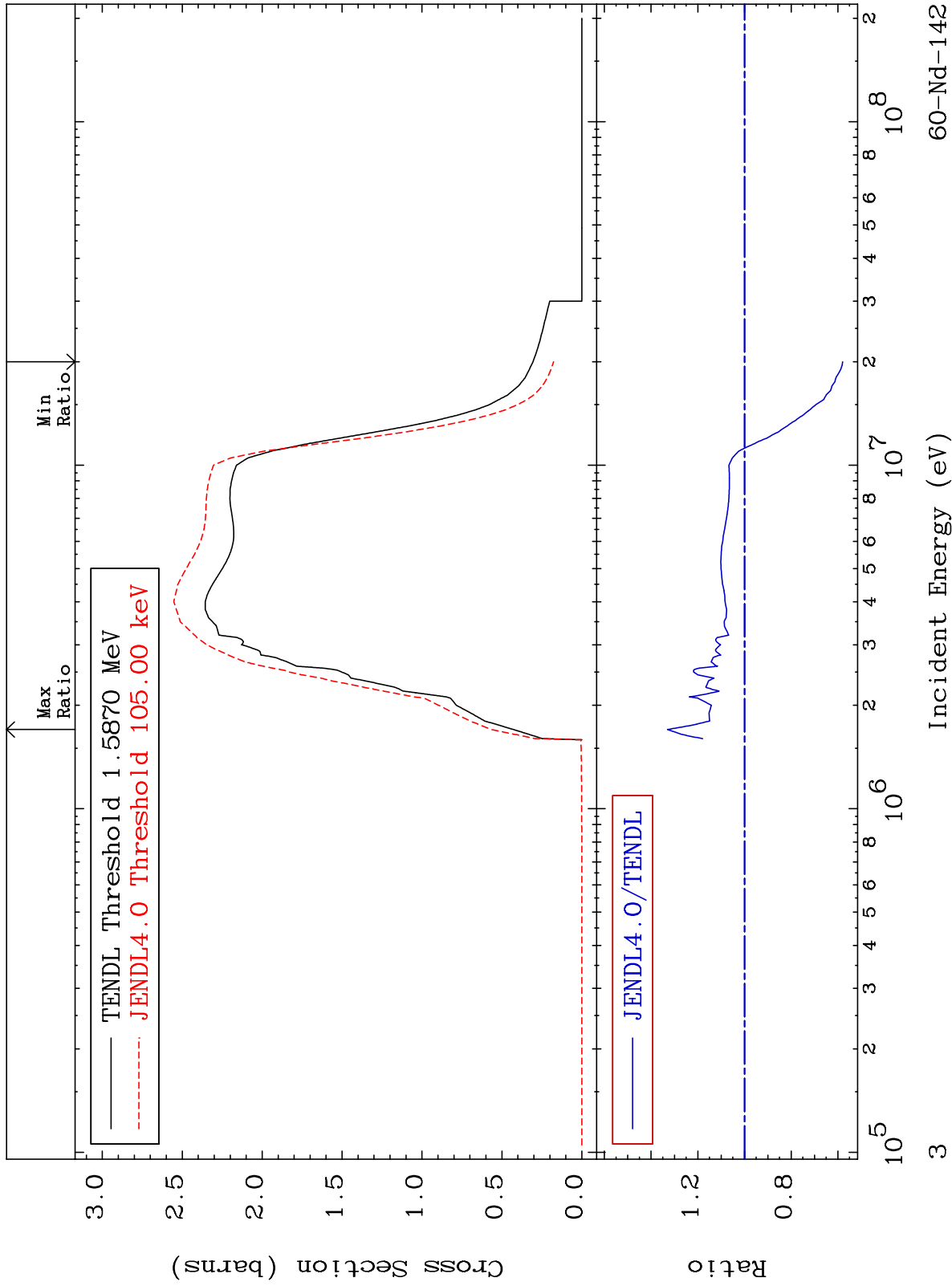
60-Nd-142

MAT 6025

Inelastic
Cross Section

60-Nd-142

-42.05 To 32.95 %



60-Nd-142

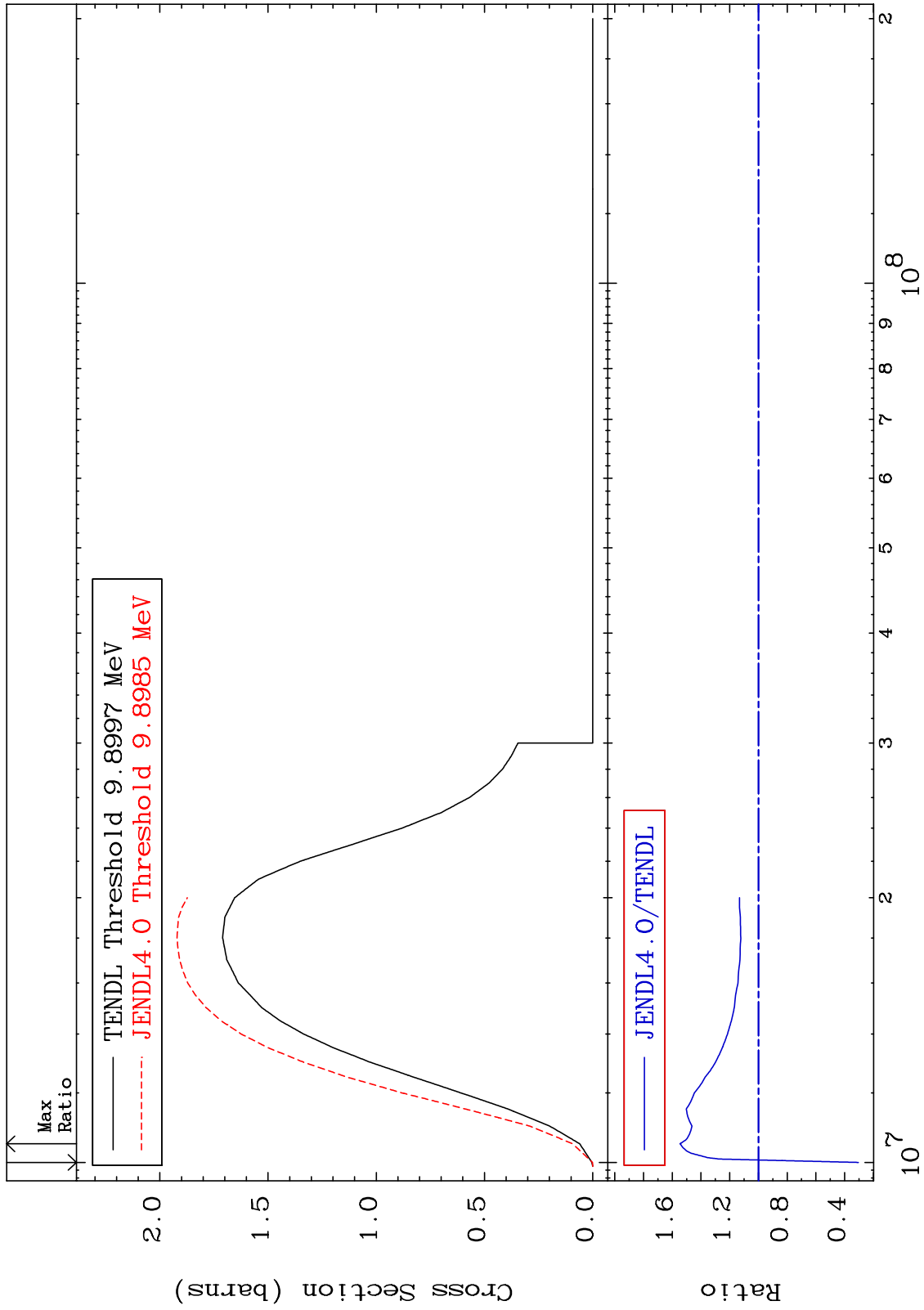
MAT 6025

(n,2n)

60-Nd-142

Cross Section

-69.59 To 54.59 %



Incident Energy (eV)

60-Nd-142

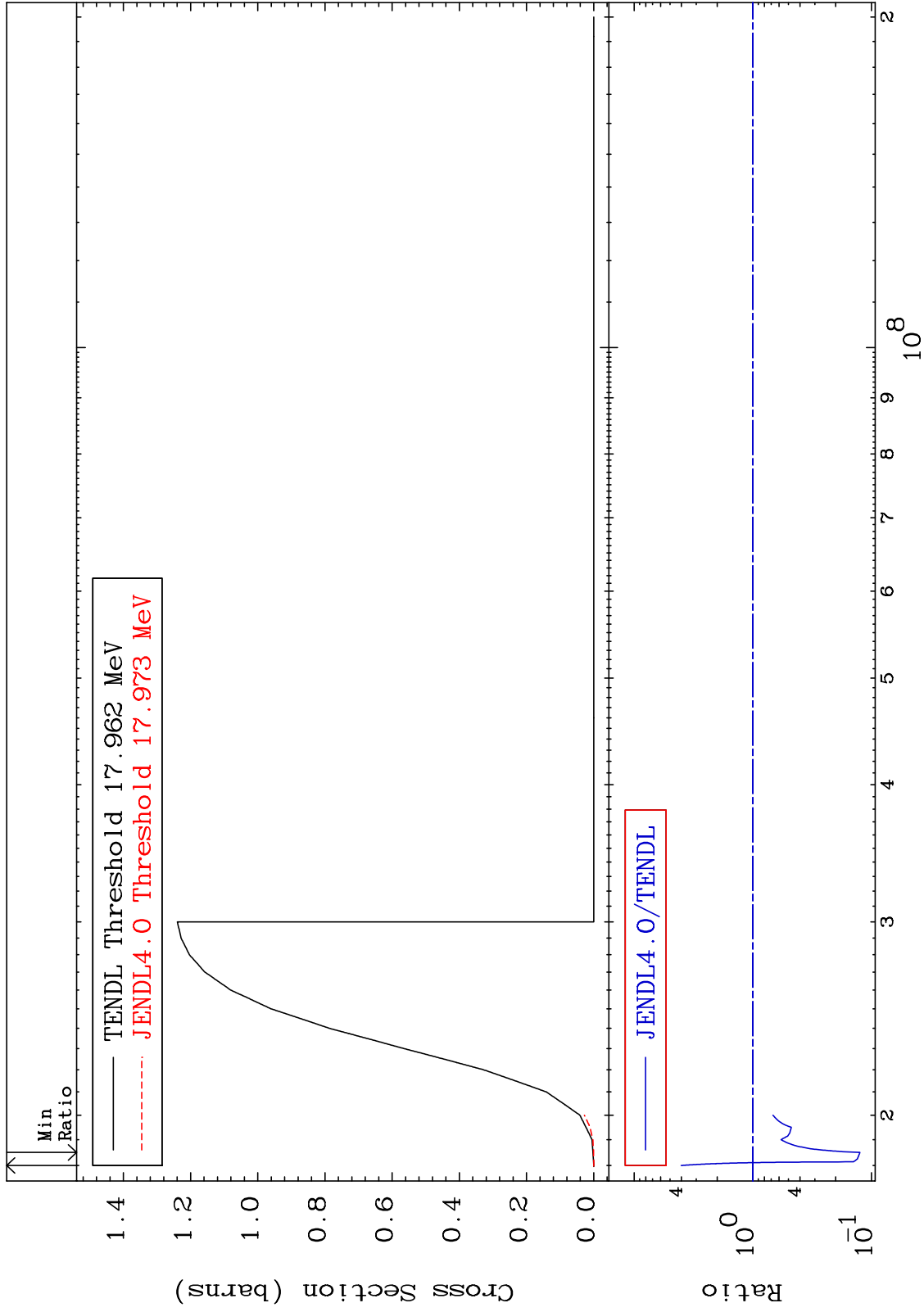
MAT 6025

(n,3n)

60-Nd-142

Cross Section

-87.51 To 301.6 %



5

Incident Energy (eV)

60-Nd-142

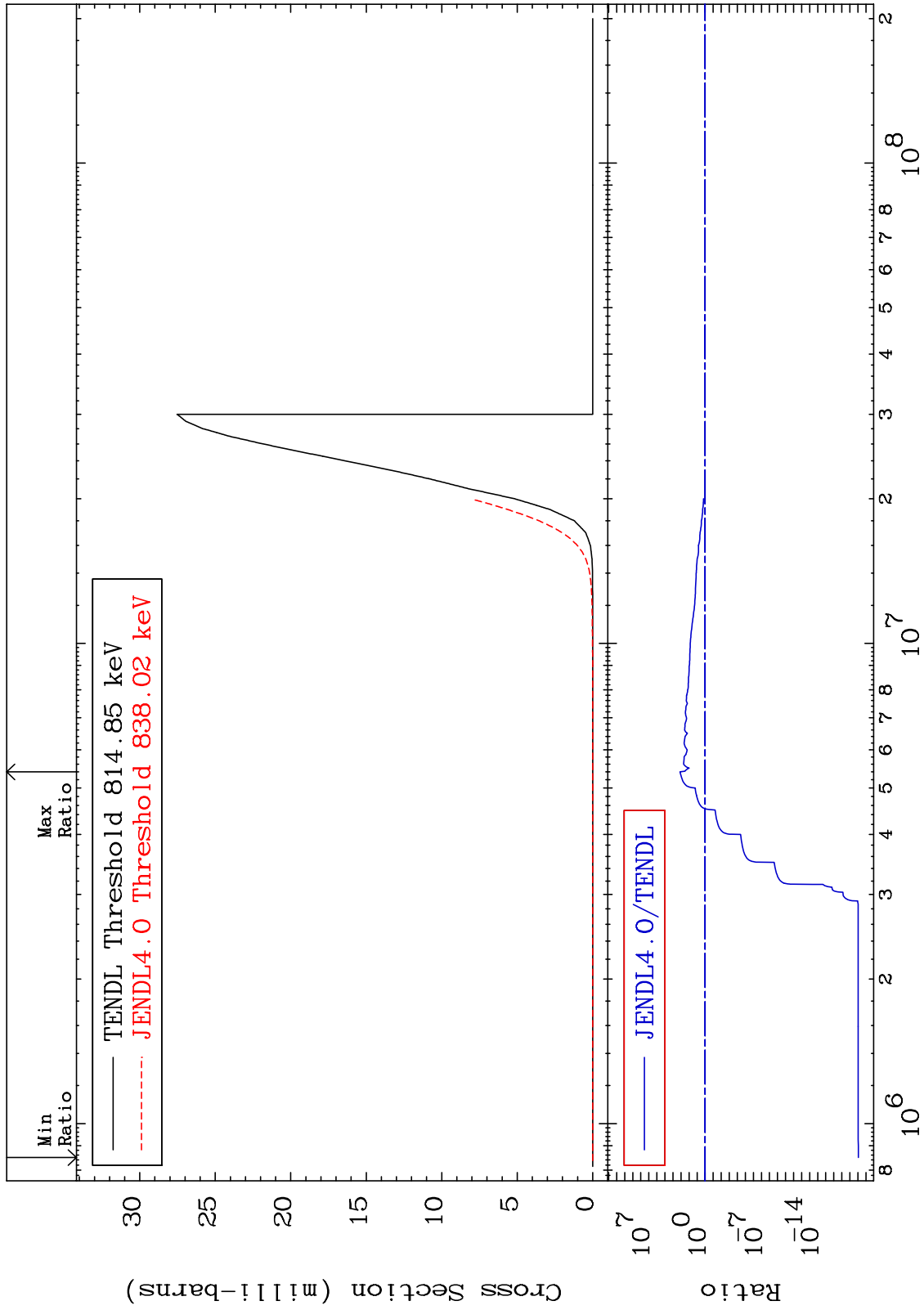
MAT 6025

(n, n') α

60-Nd-142

-100.0 To 9999. %

Cross Section

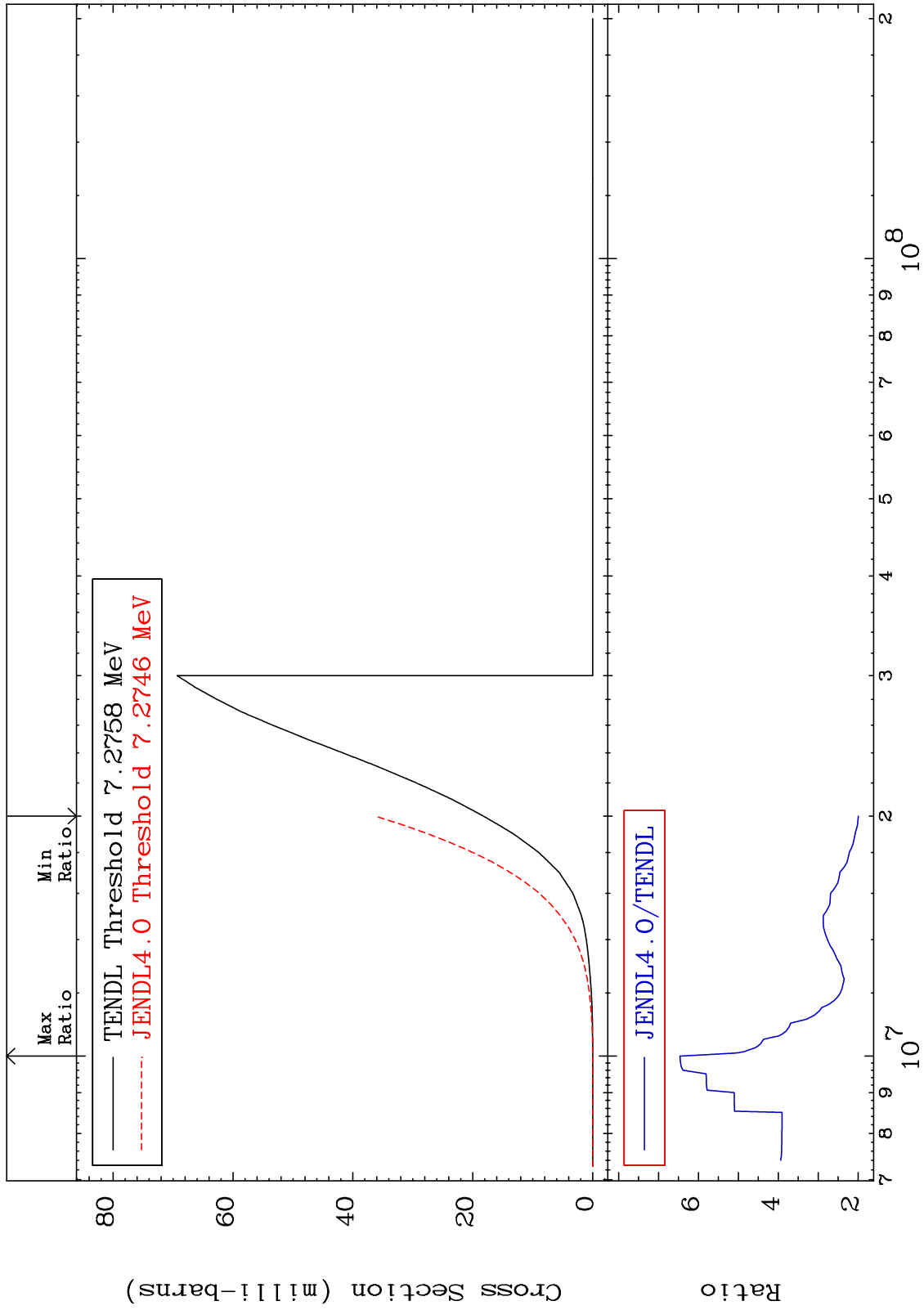


6

Incident Energy (eV)

60-Nd-142

MAT 6025 (n, n') p 60-Nd-142
Cross Section 99.15 To 546.1 %



Incident Energy (eV) 60-Nd-142

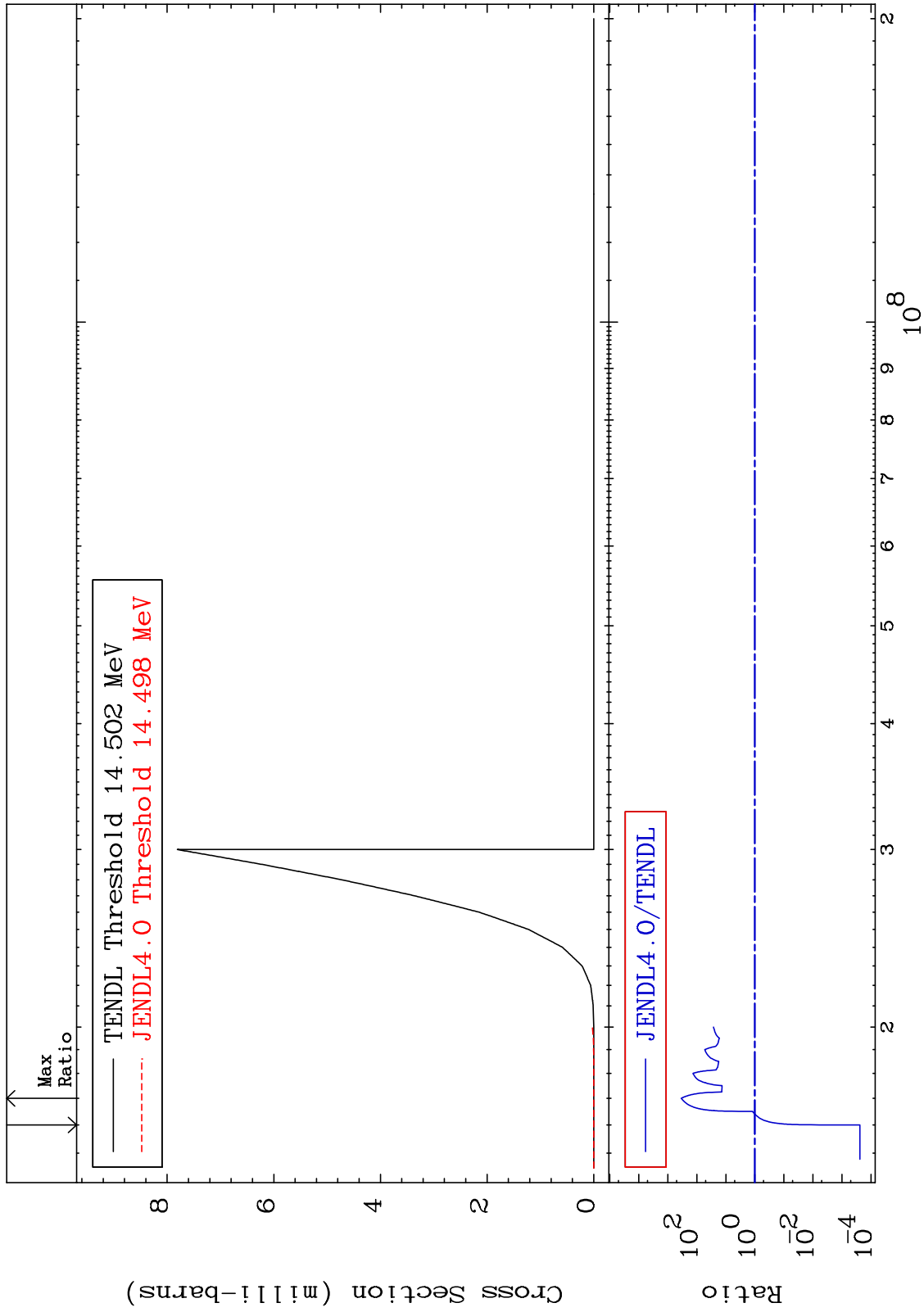
MAT 6025

(n,n') d

60-Nd-142

Cross Section

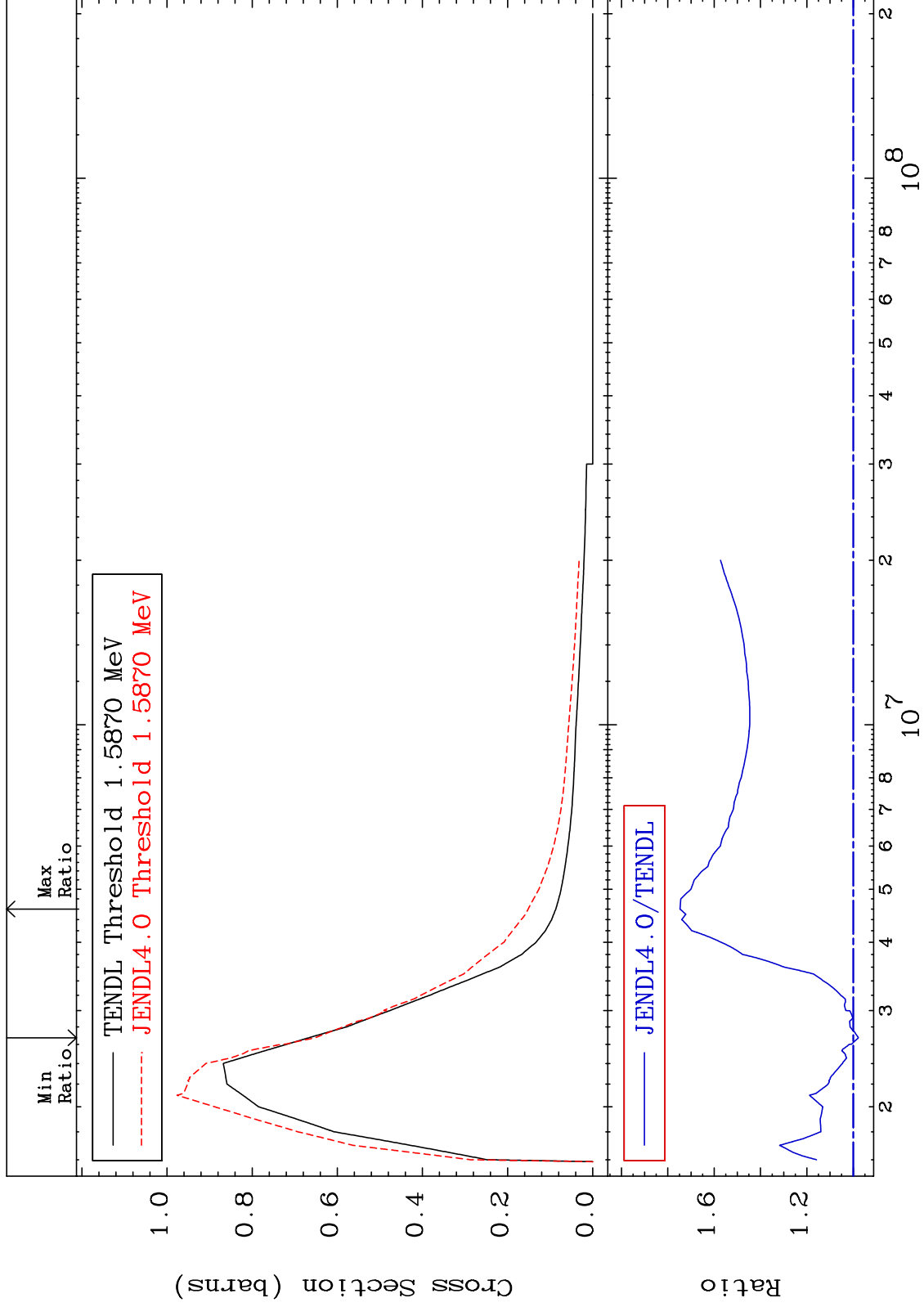
-99.98 To 9999. %



MAT 6025

MT= 51 (n,n') Level
Cross Section

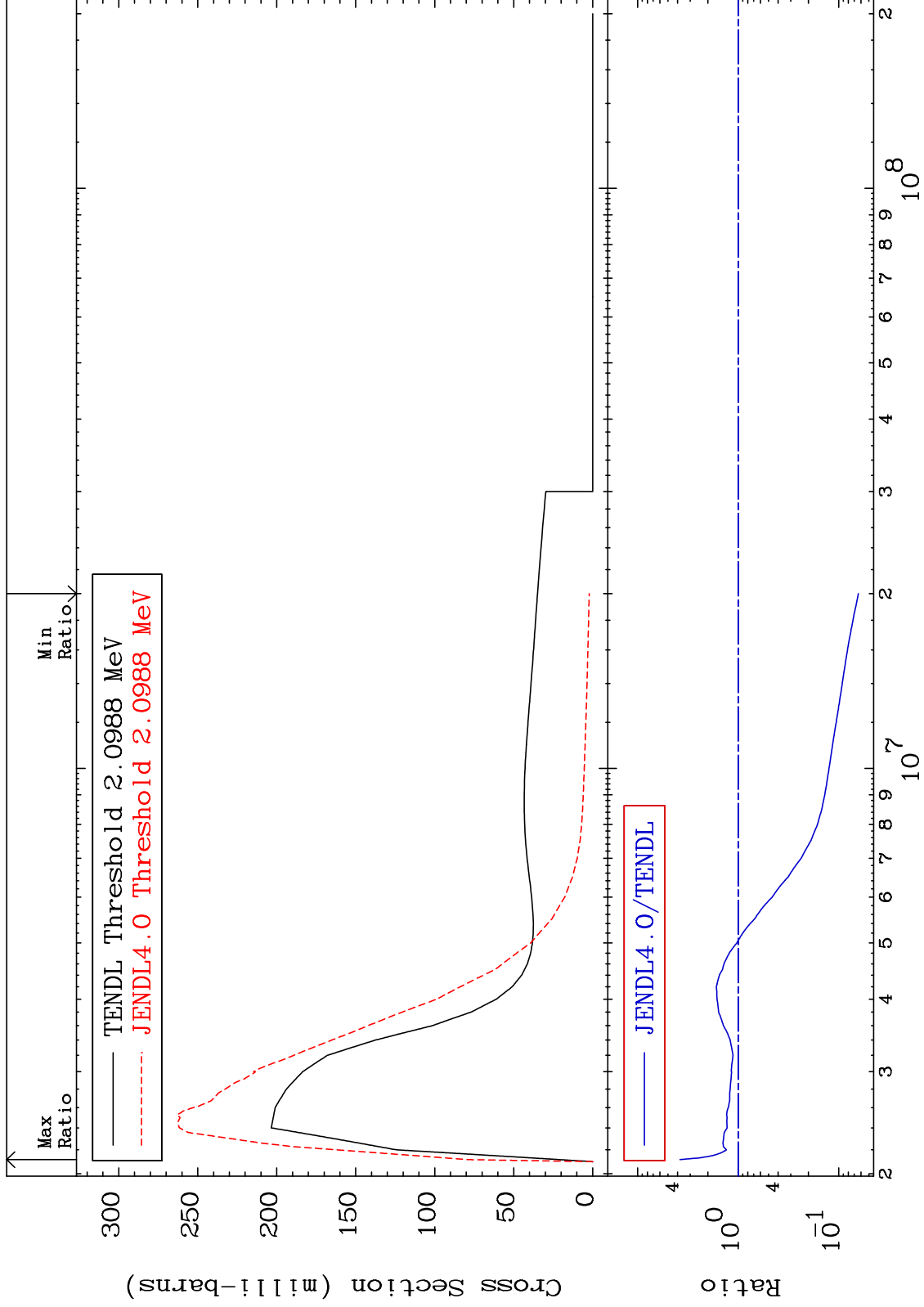
60-Nd-142
-2.223 To 74.74 %



MAT 6025

MT= 52 (n,n') Level
Cross Section

60-Nd-142
-93.64 To 278.7 %

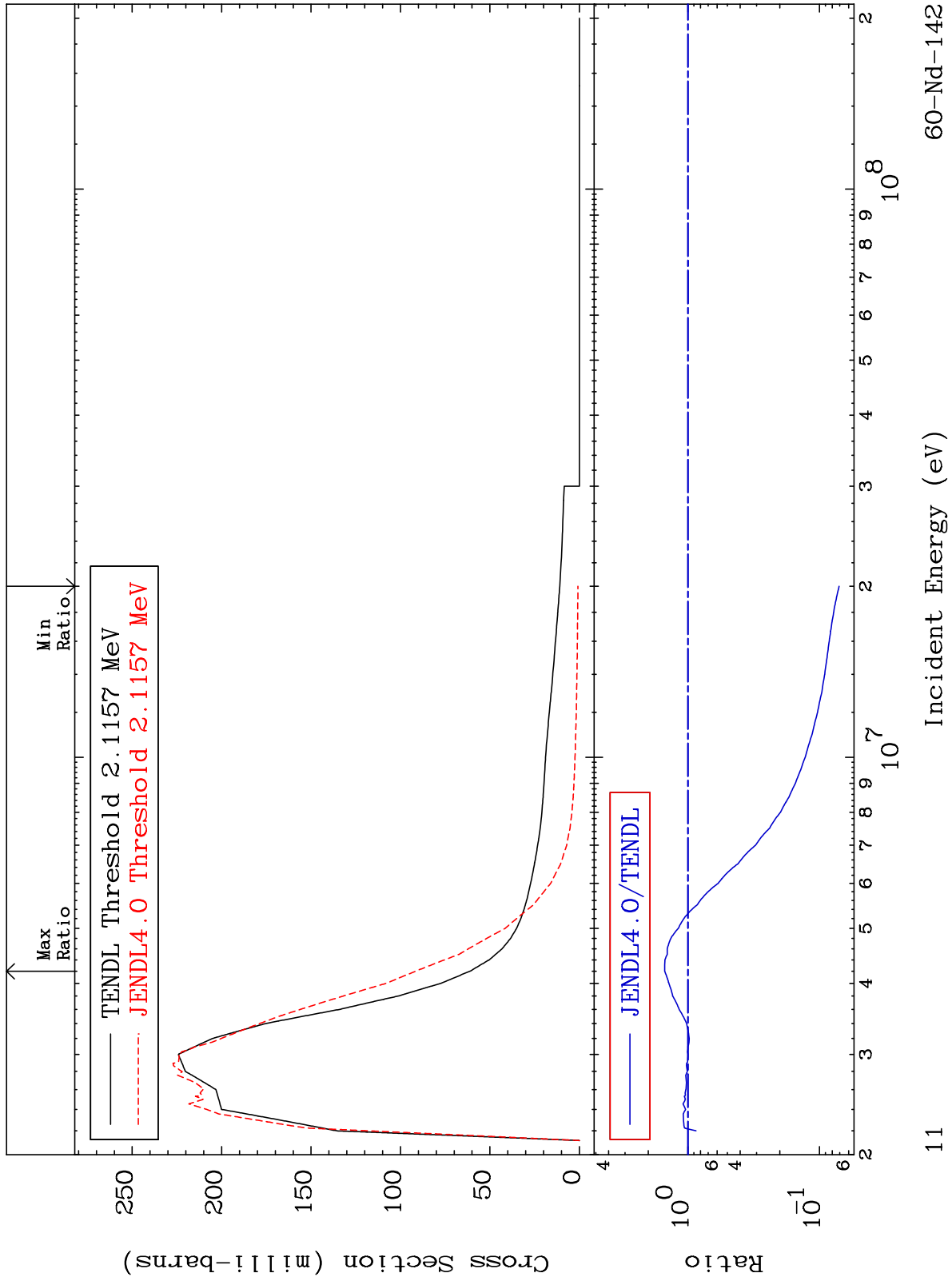


10

Incident Energy (eV)

60-Nd-142

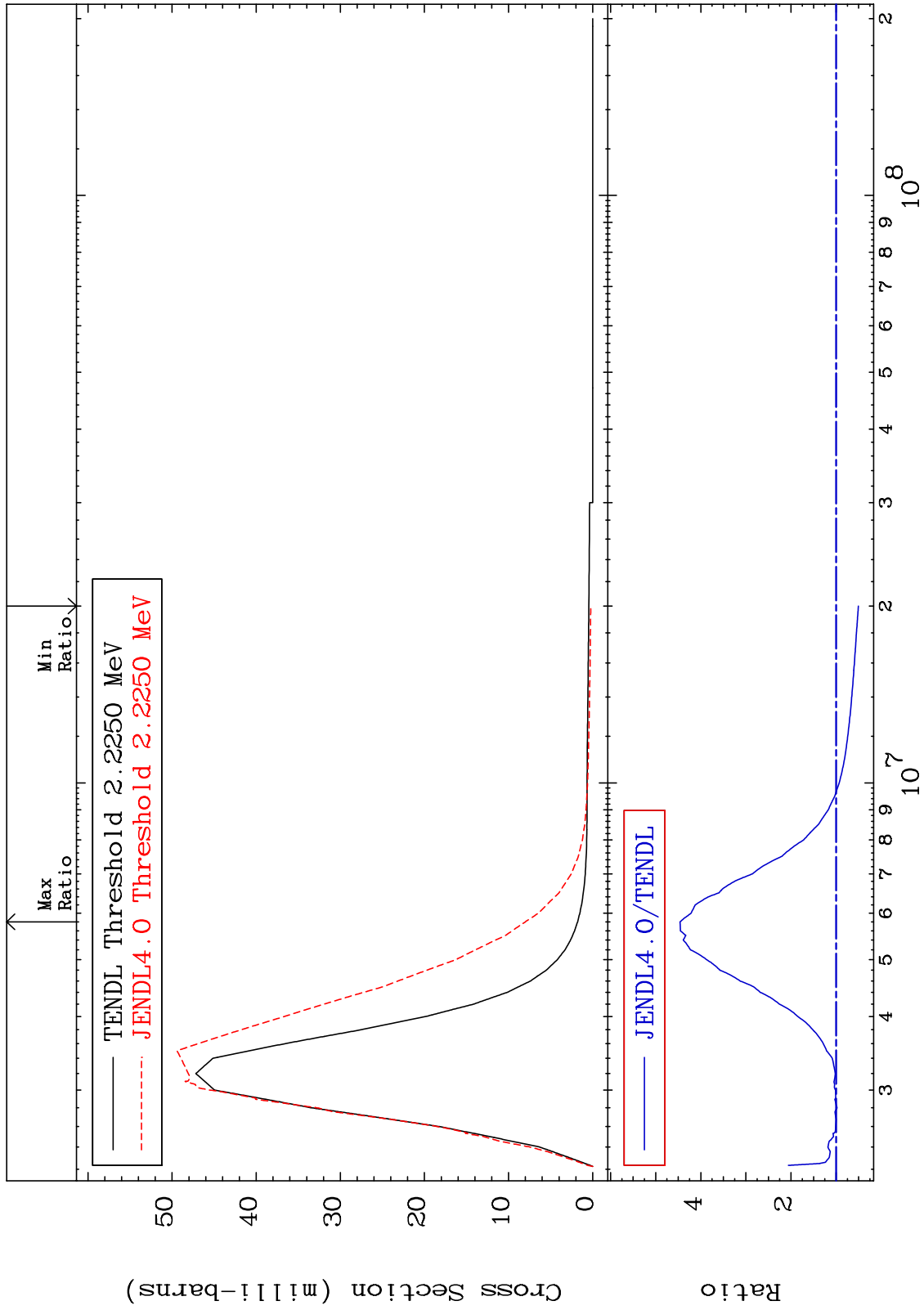
MAT 6025 MT= 53 (n,n') Level Cross Section 60-Nd-142
 -92.92 To 49.78 %



MAT 6025

MT= 54 (n,n') Level
Cross Section

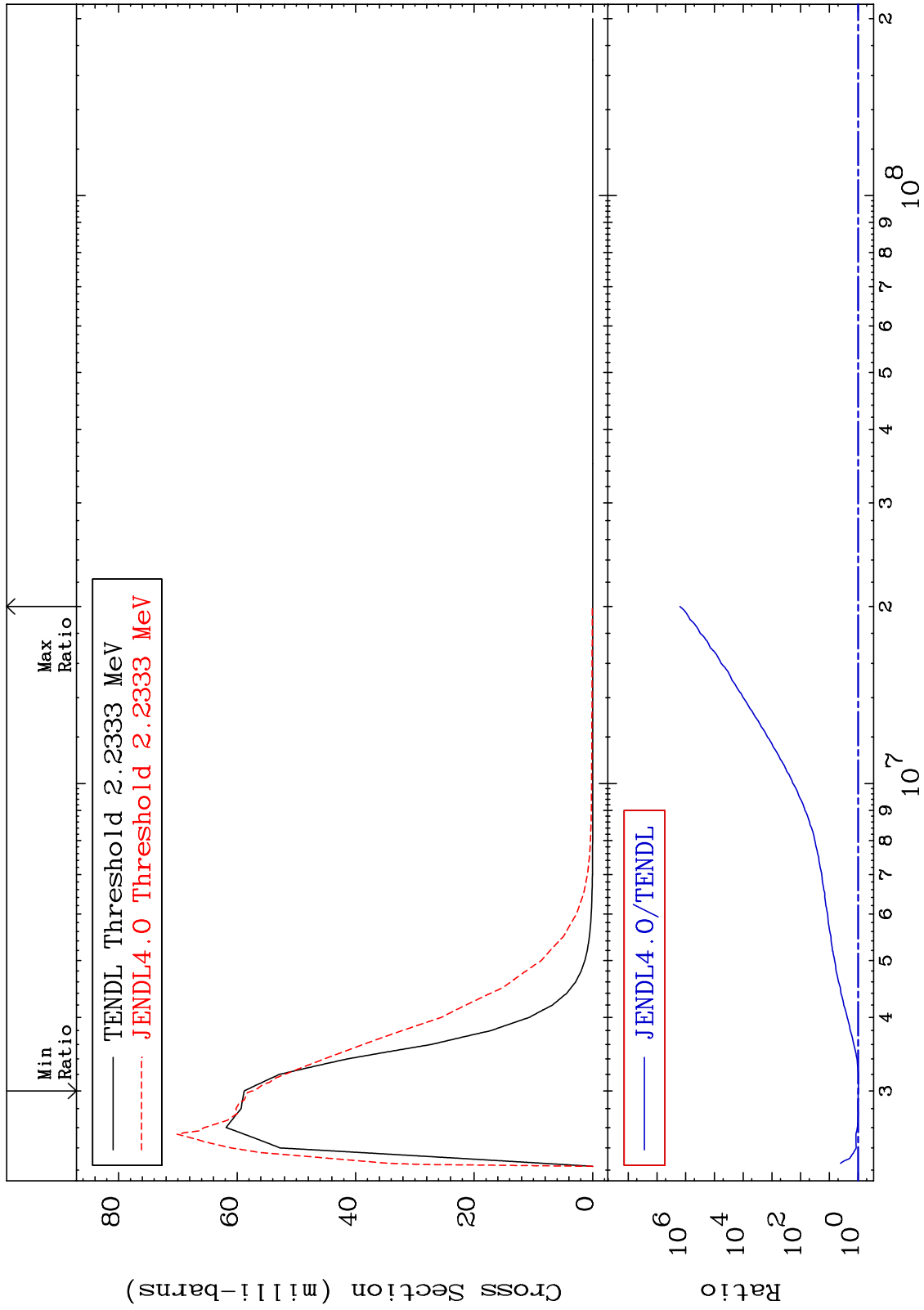
60-Nd-142
-49.44 To 346.1 %



MAT 6025

MT= 55 (n,n') Level
Cross Section

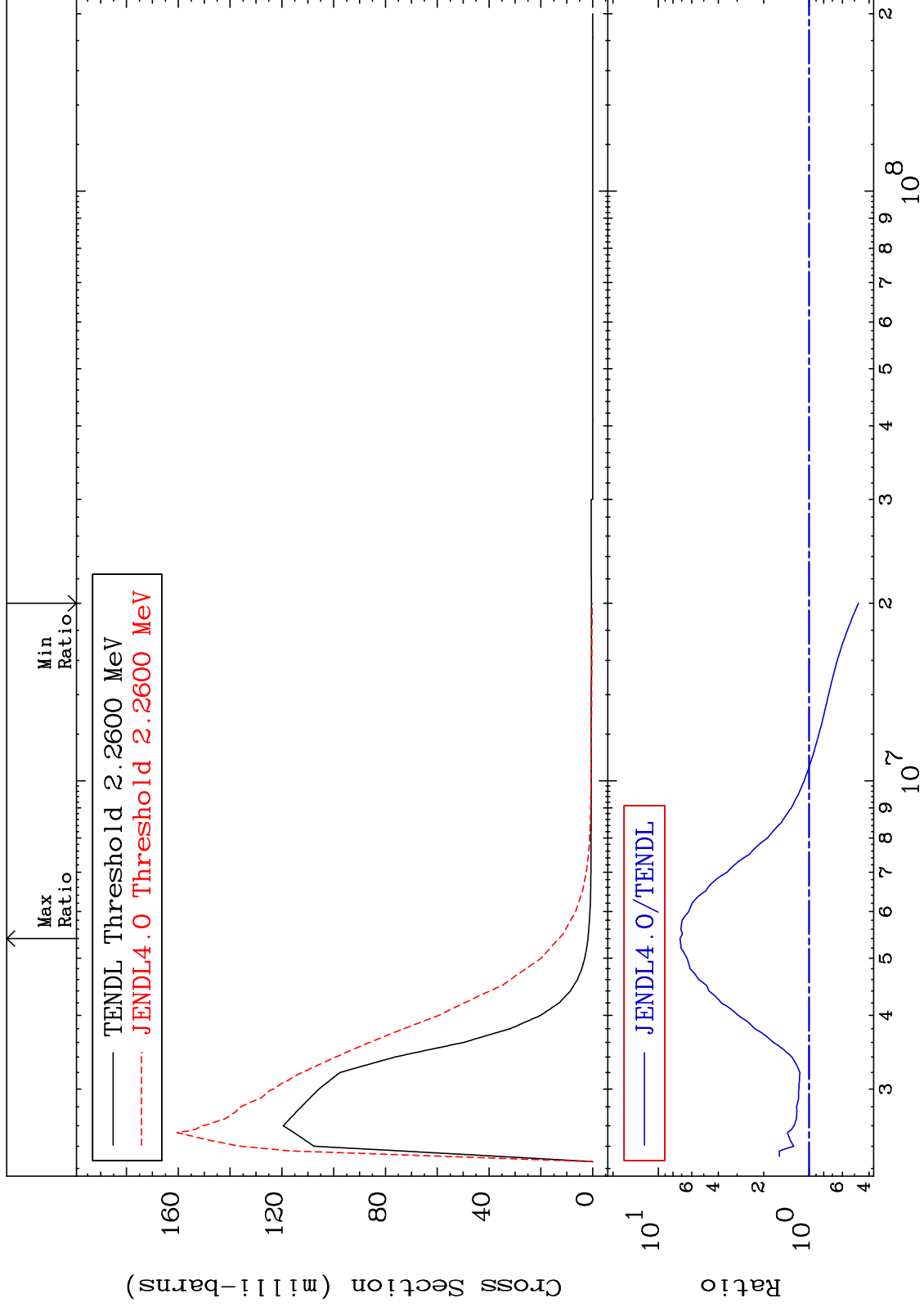
60-Nd-142
-2.525 To 9999. %



MAT 6025

MT= 56 (n,n') Level
Cross Section

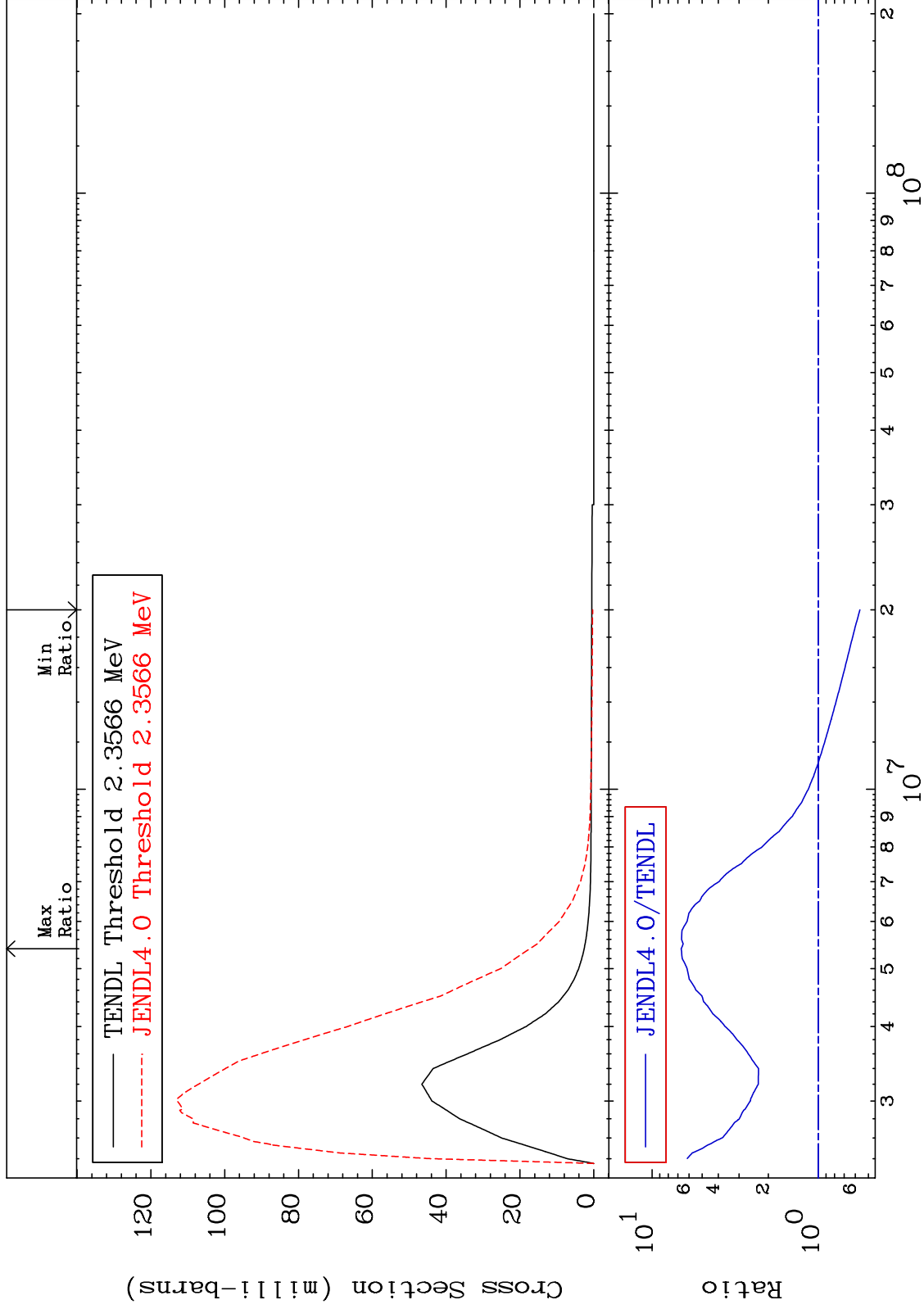
60-Nd-142
-52.91 To 618.0 %



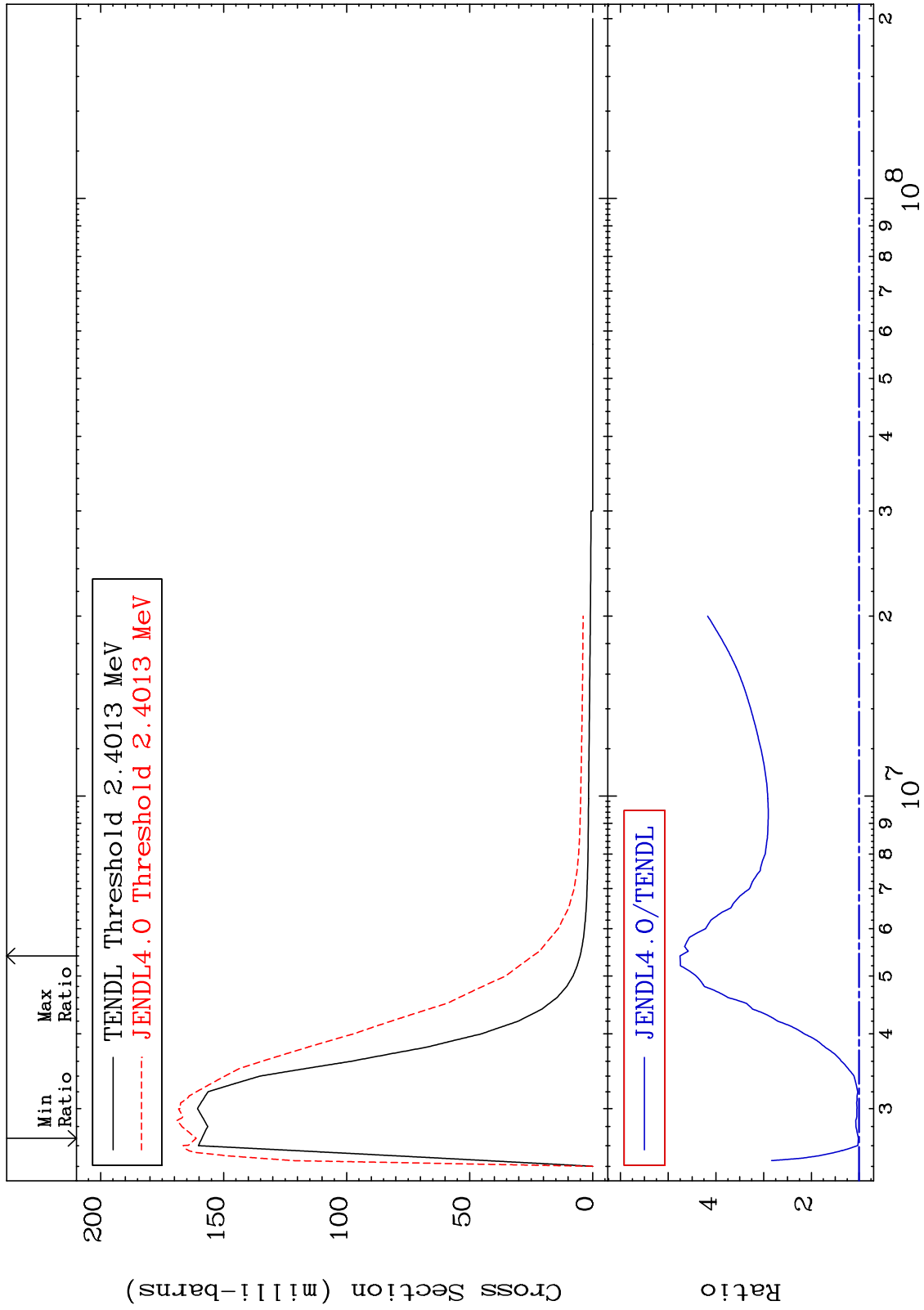
MAT 6025

MT= 57 (n,n') Level
Cross Section

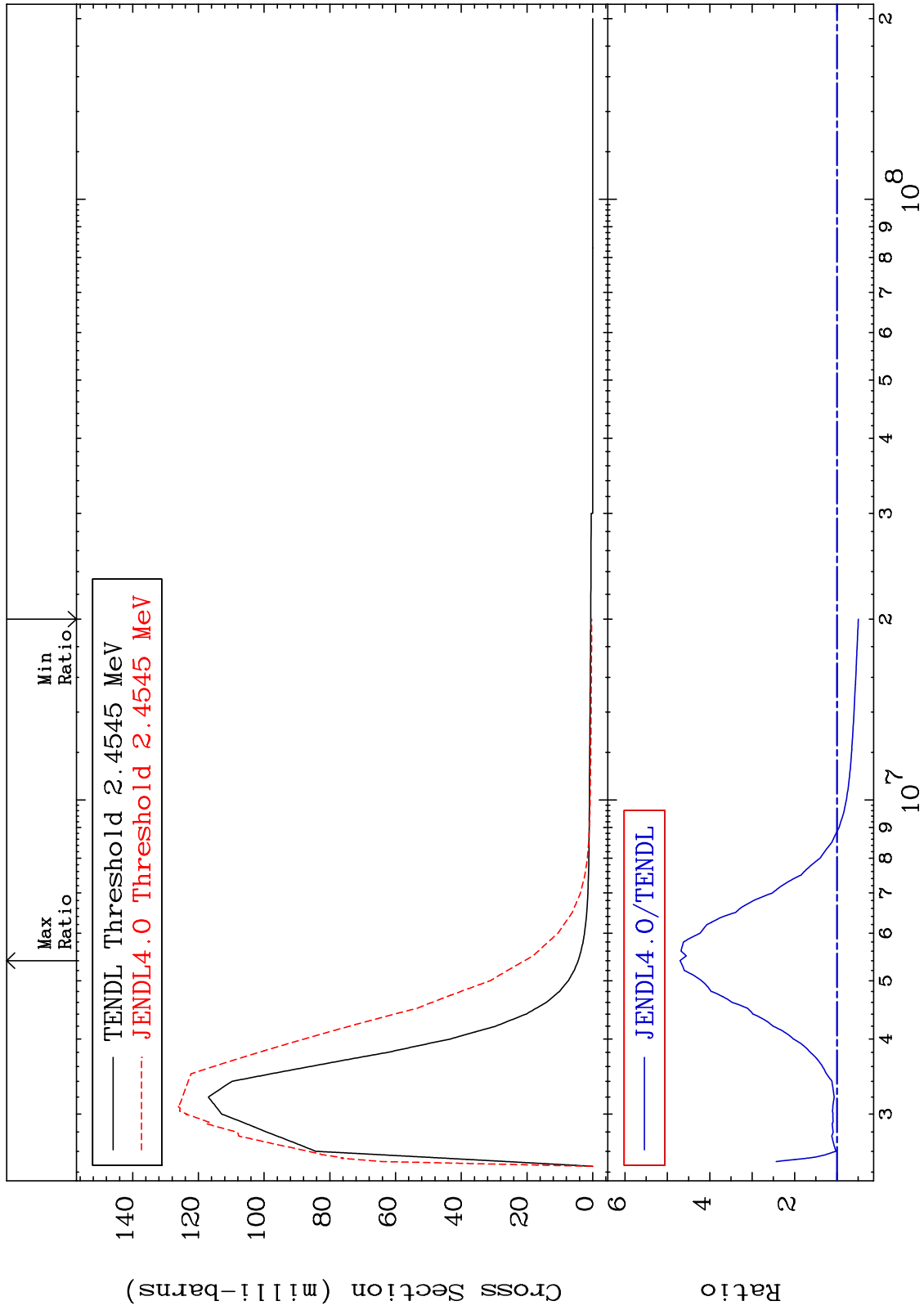
60-Nd-142
-43.71 To 568.4 %



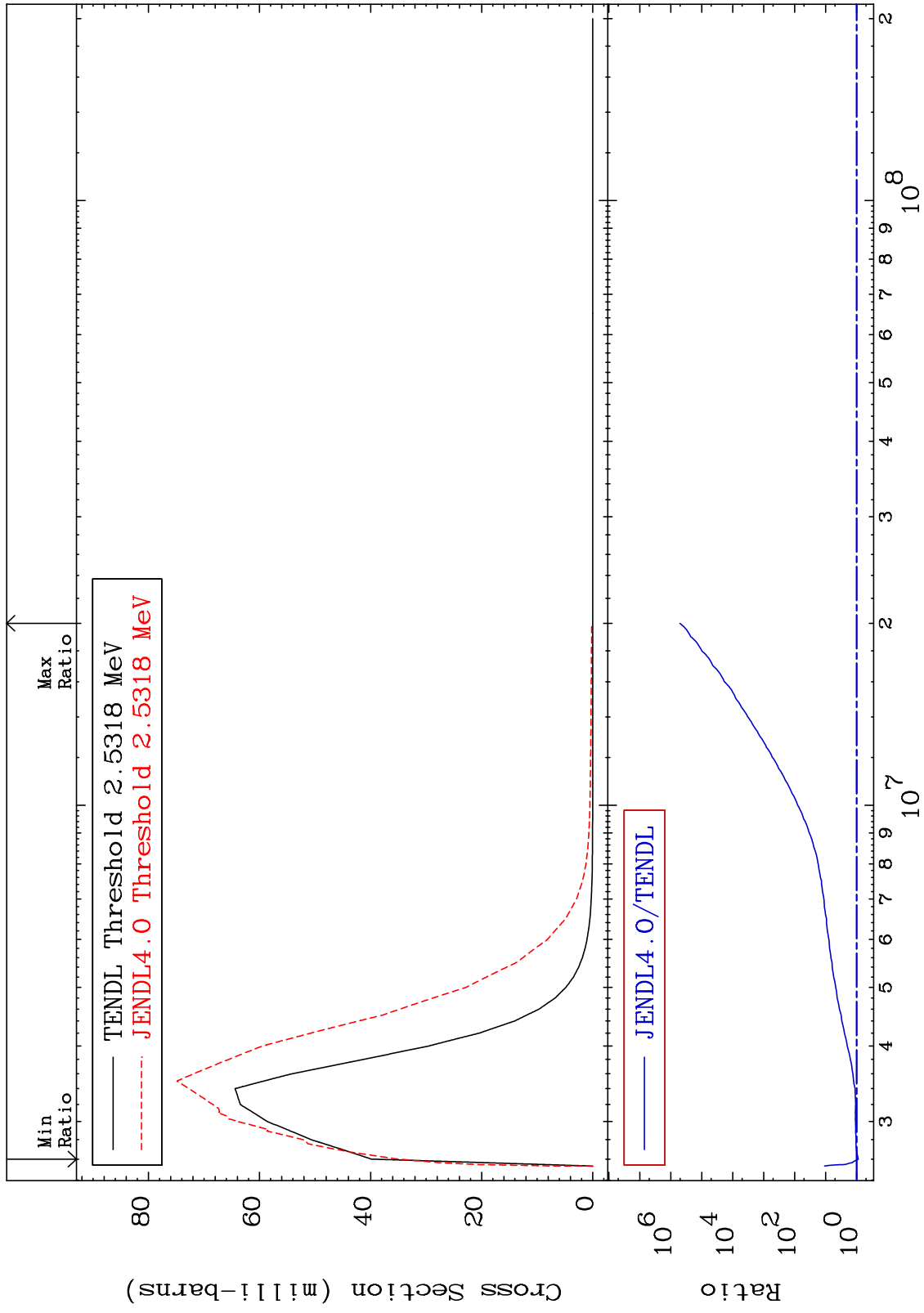
MAT 6025 MT= 58 (n,n') Level Cross Section 60-Nd-142
1.466 To 375.3 %



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



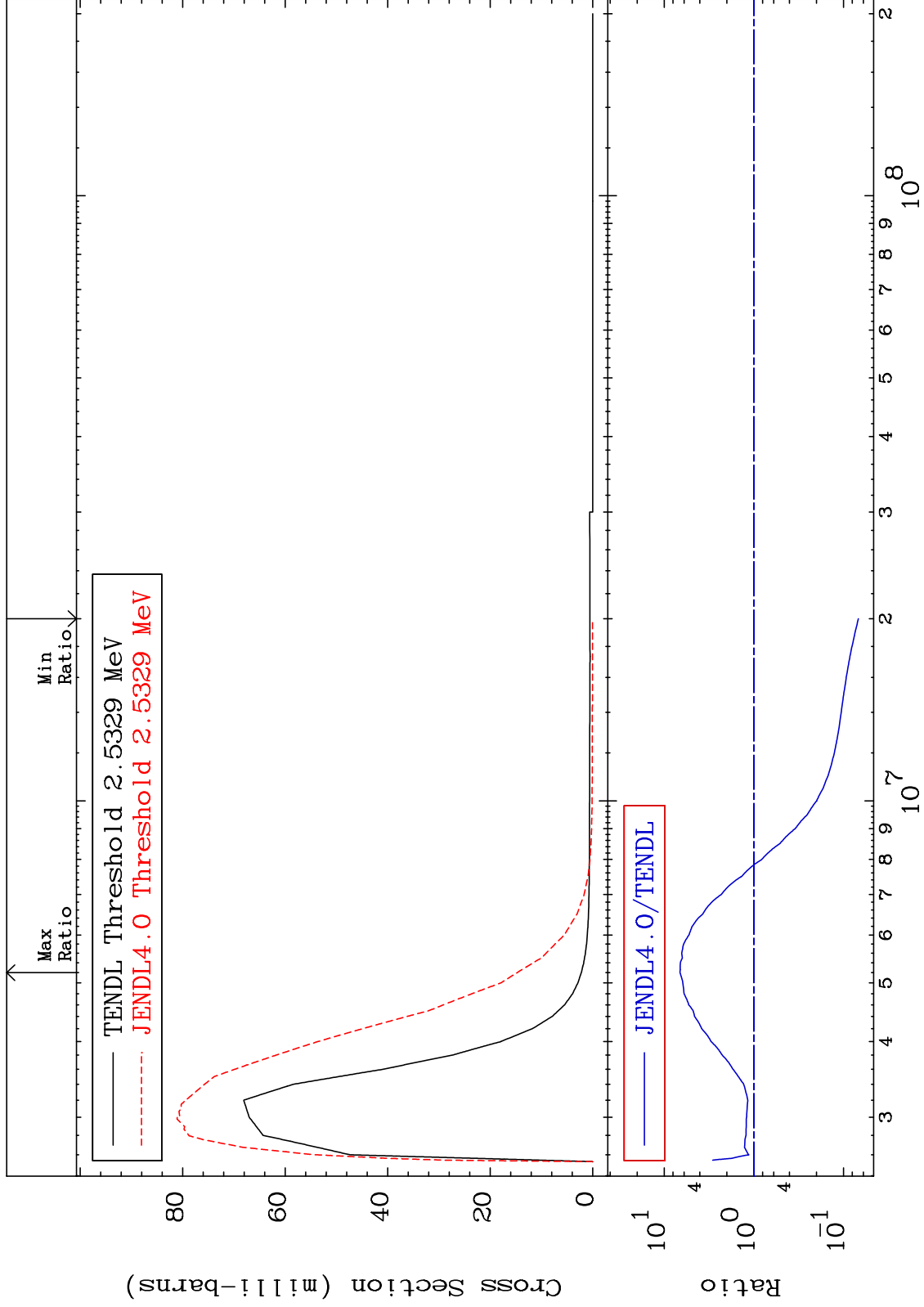
MAT 6025 MT= 60 (n,n') Level Cross Section 60-Nd-142 -12.28 To 9999. %



MAT 6025

MT= 61 (n,n') Level
Cross Section

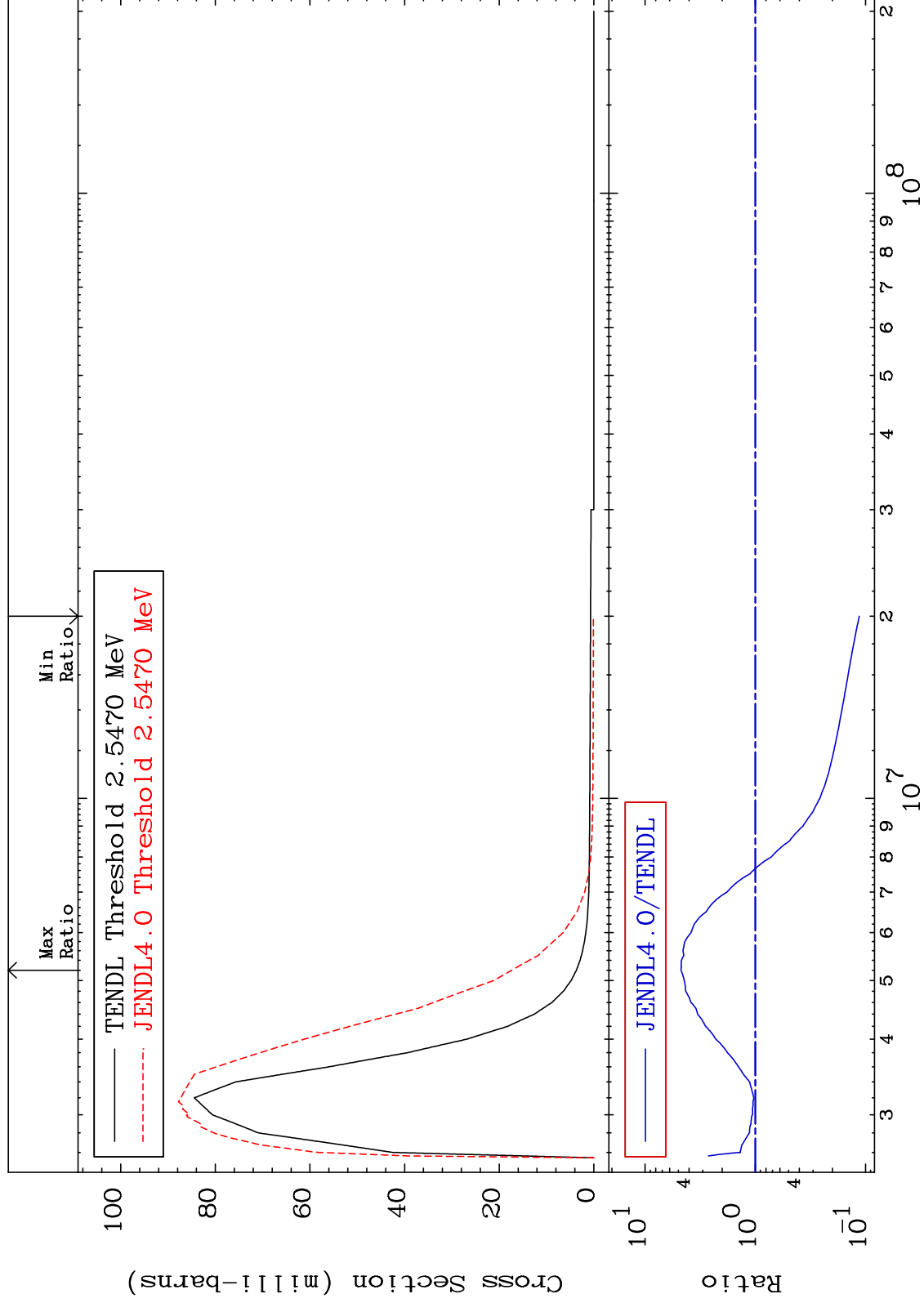
60-Nd-142
-93.19 To 566.3 %



MAT 6025

MT= 62 (n,n') Level
Cross Section

60-Nd-142
-88.59 To 372.2 %

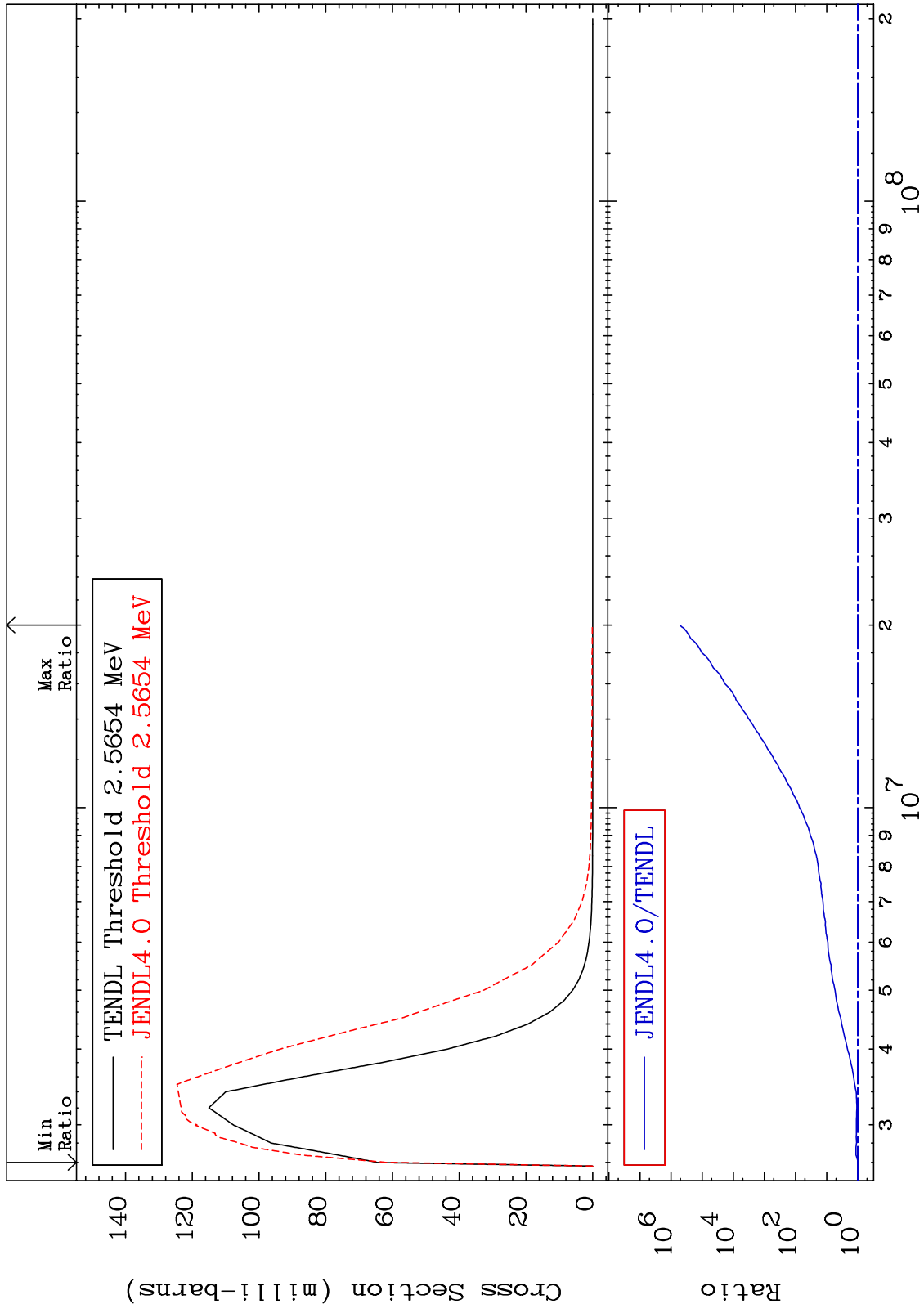


20

Incident Energy (eV)

60-Nd-142

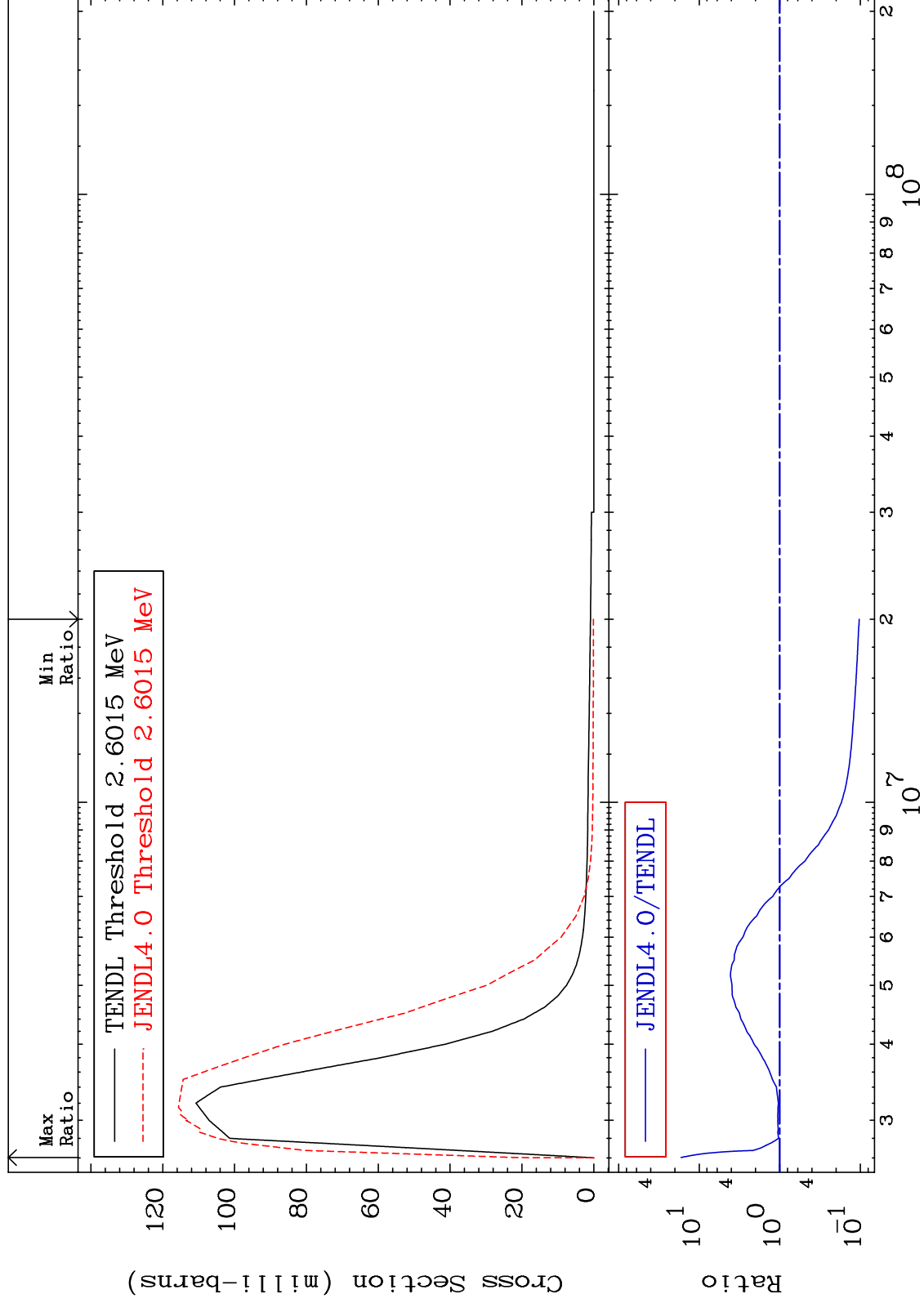
MAT 6025 MT= 63 (n,n') Level Cross Section 60-Nd-142 -4.288 To 9999. %



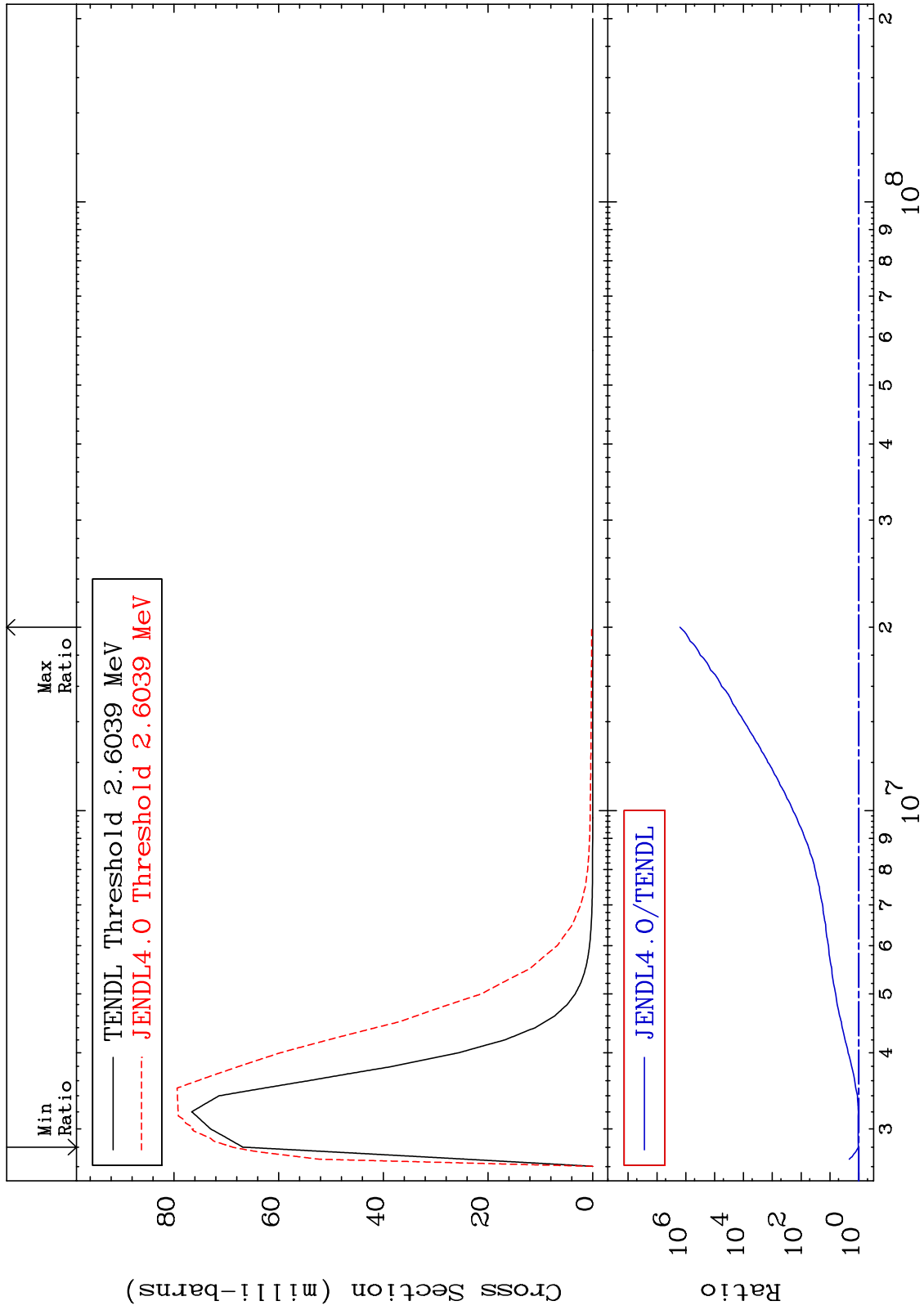
MAT 6025

MT= 64 (n,n') Level
Cross Section

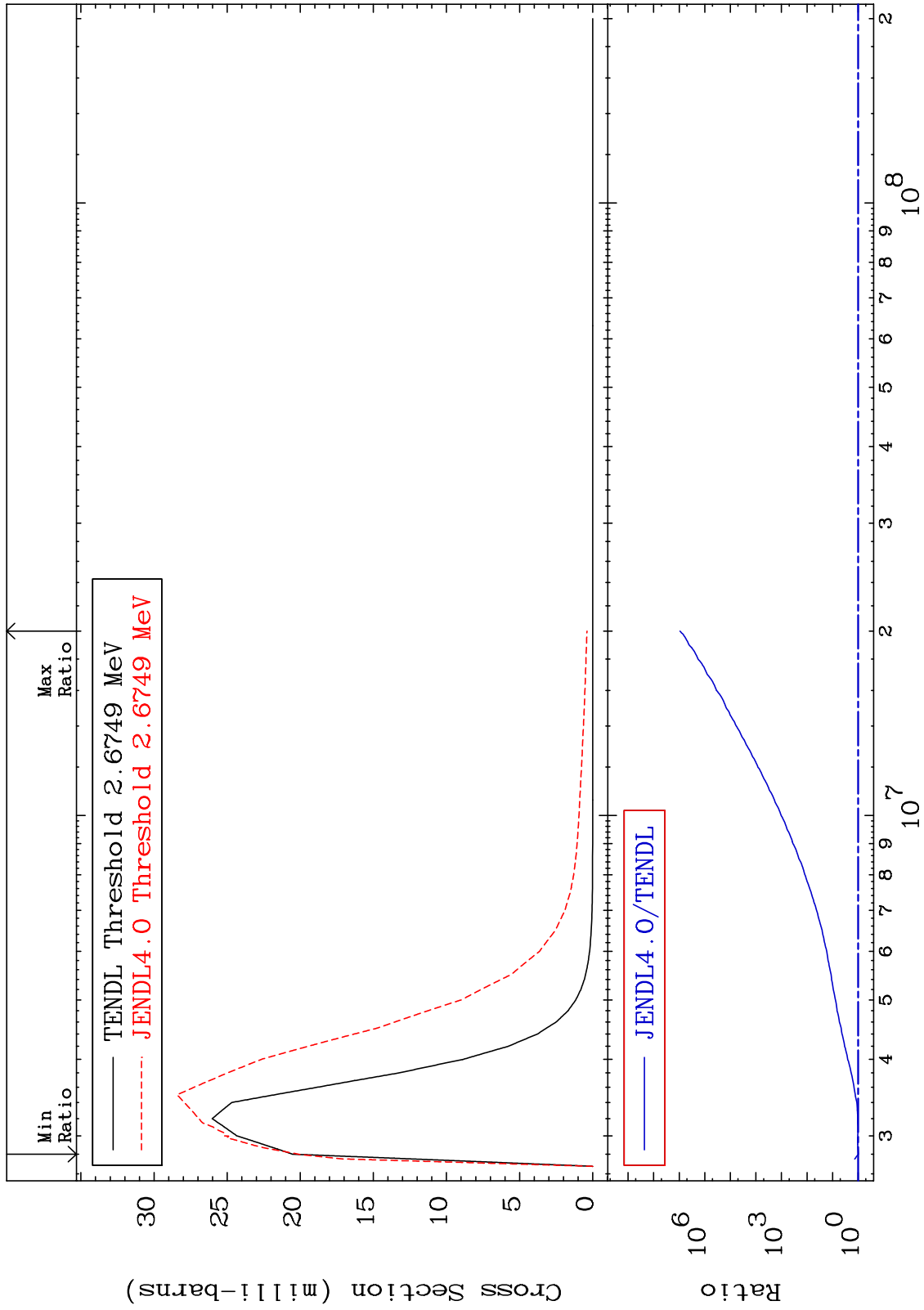
60-Nd-142
-89.68 To 1579. %



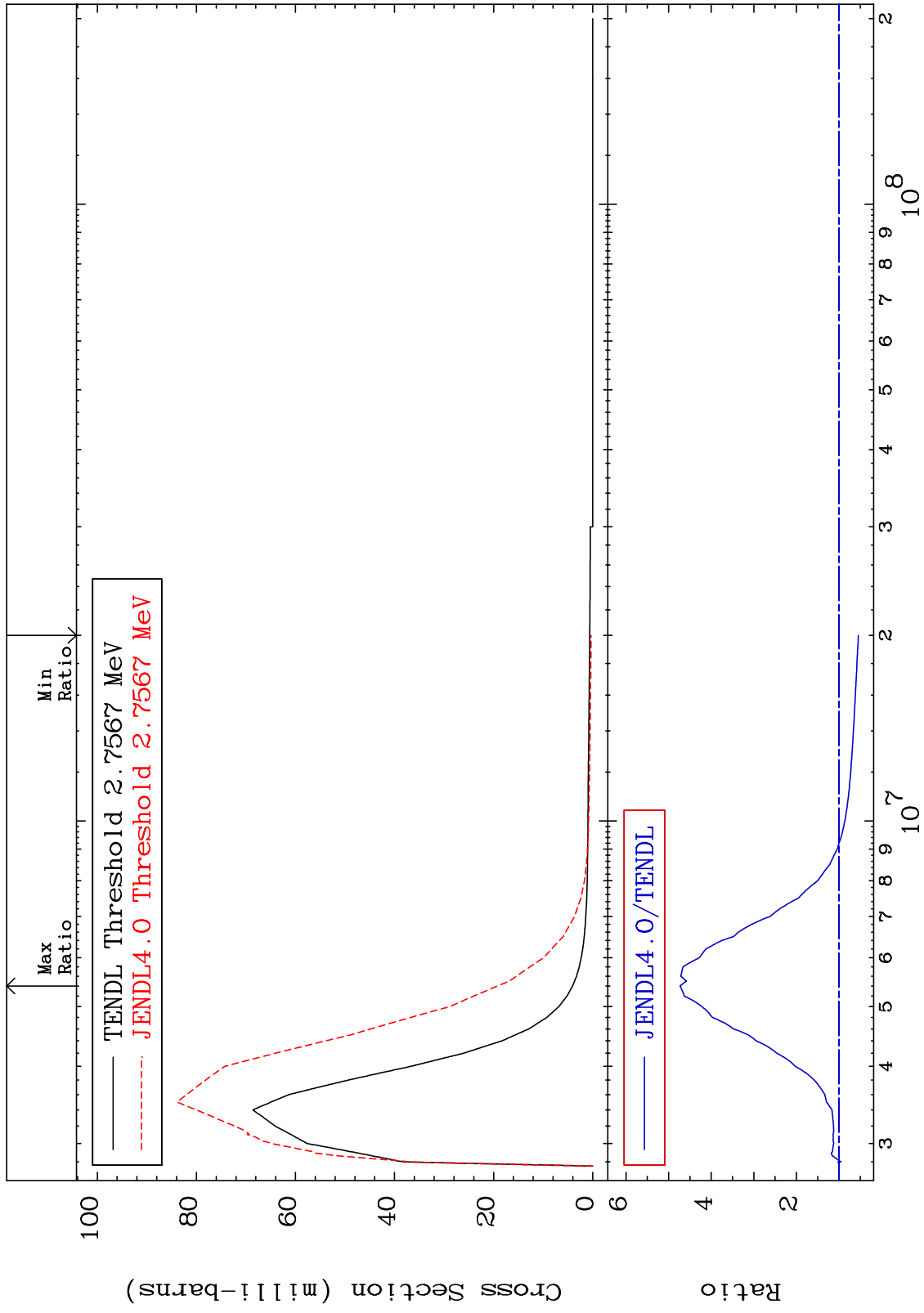
MAT 6025 MT= 65 (n,n') Level Cross Section 60-Nd-142 To 9999. %



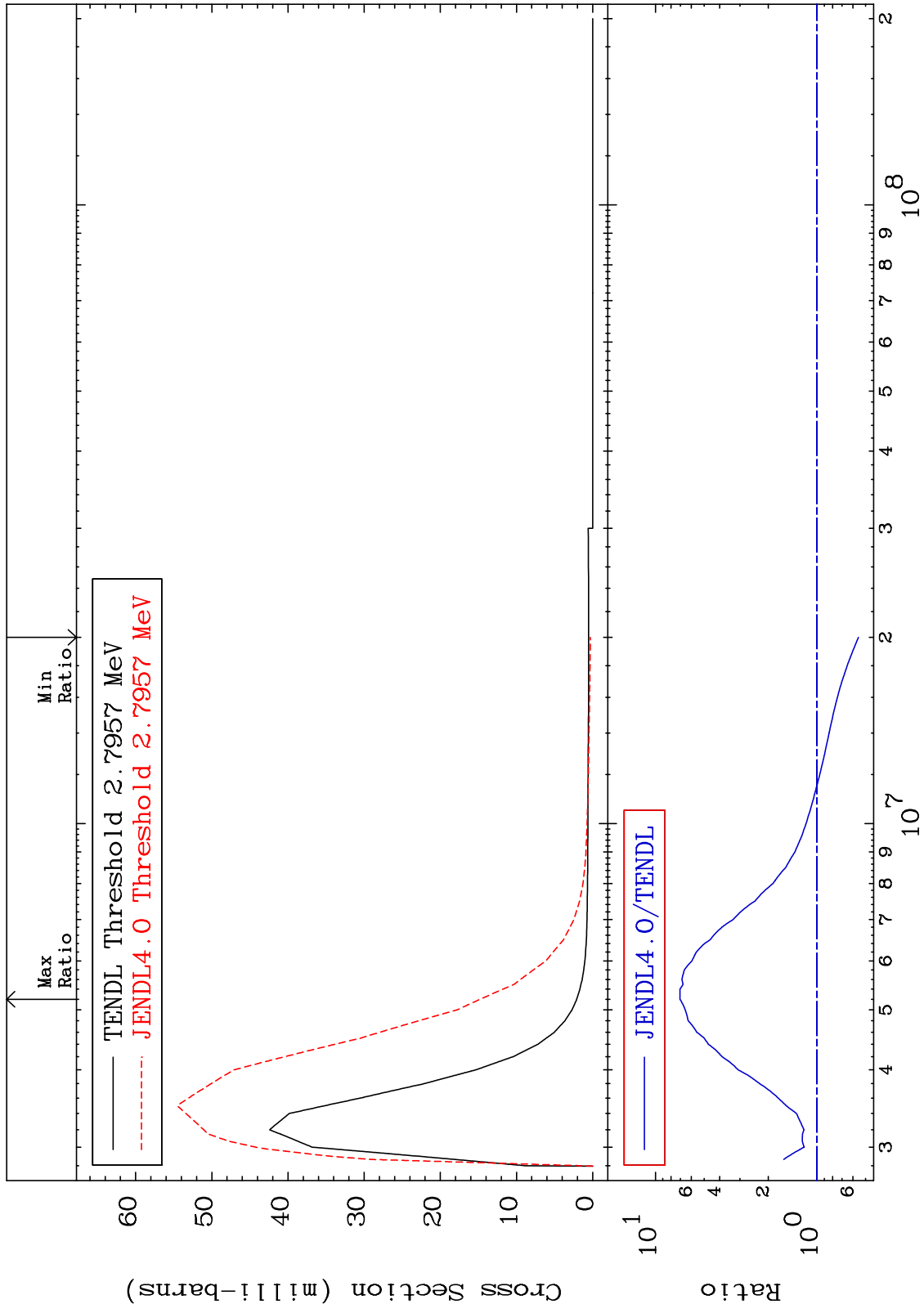
MAT 6025 MT= 66 (n,n') Level 60-Nd-142
 Cross Section -1.990 To 9999. %



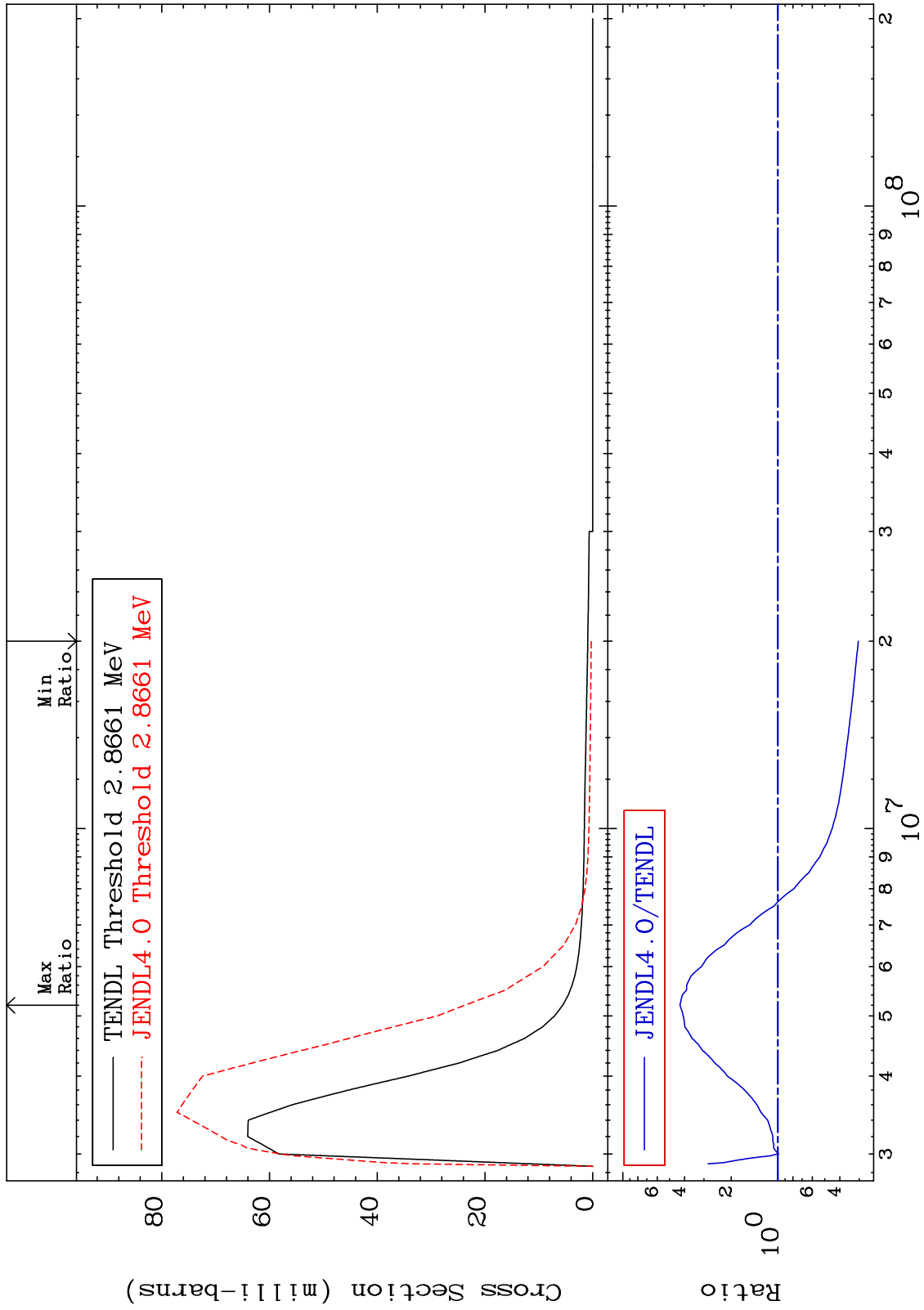
MAT 6025 MT= 67 (n,n') Level Cross Section 60-Nd-142
 -45.46 To 373.3 %



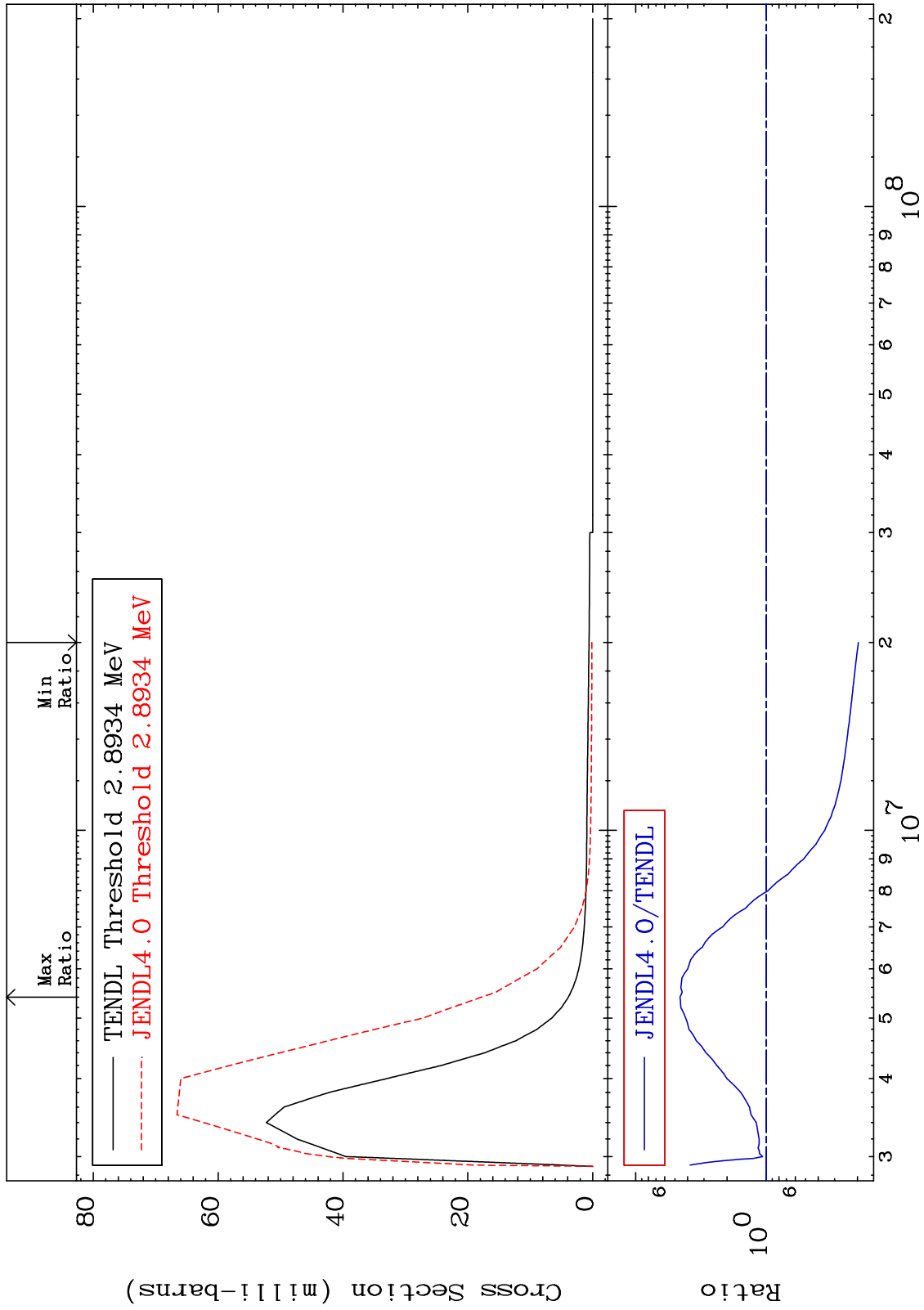
MAT 6025 MT= 68 (n,n') Level 60-Nd-142
 Cross Section -44.56 To 604.4 %



MAT 6025 MT= 69 (n,n') Level
 Cross Section 60-Nd-142
 -69.68 To 327.5 %

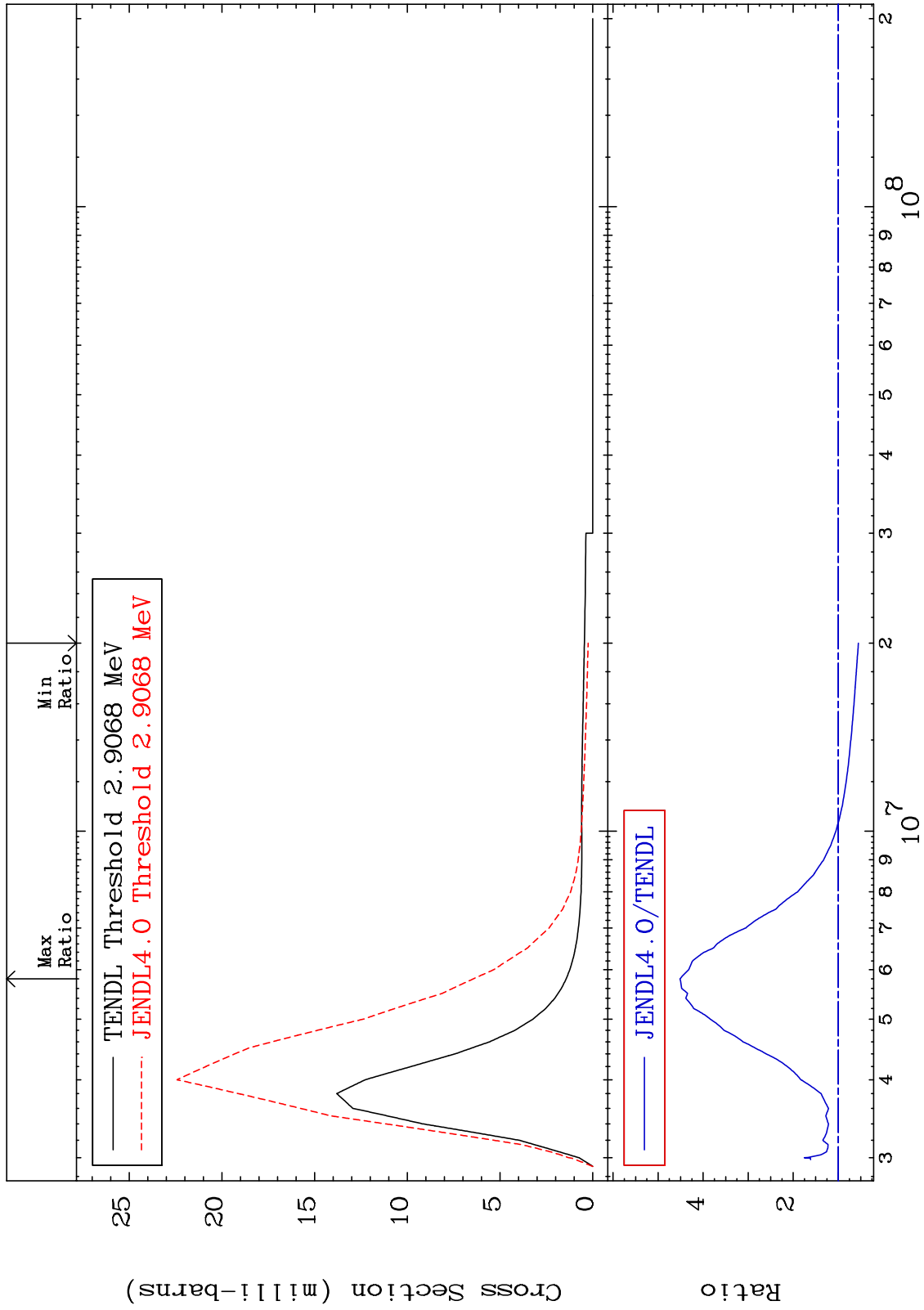


MAT 6025 MT= 70 (n,n') Level
 Cross Section 60-Nd-142
 -80.31 To 357.7 %

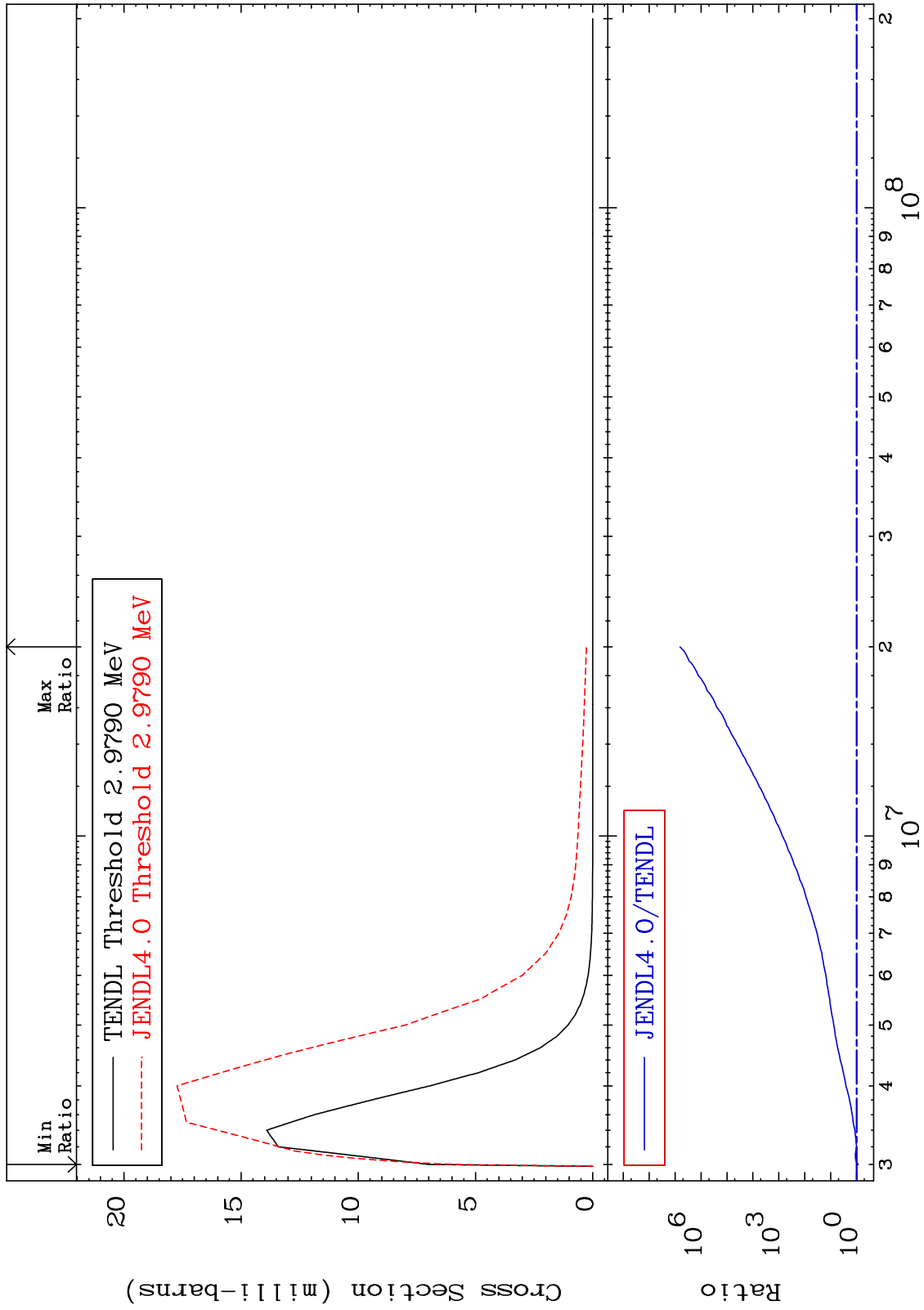


Incident Energy (eV) 60-Nd-142

MAT 6025 MT= 71 (n,n') Level 60-Nd-142
 Cross Section -44.87 To 351.3 %

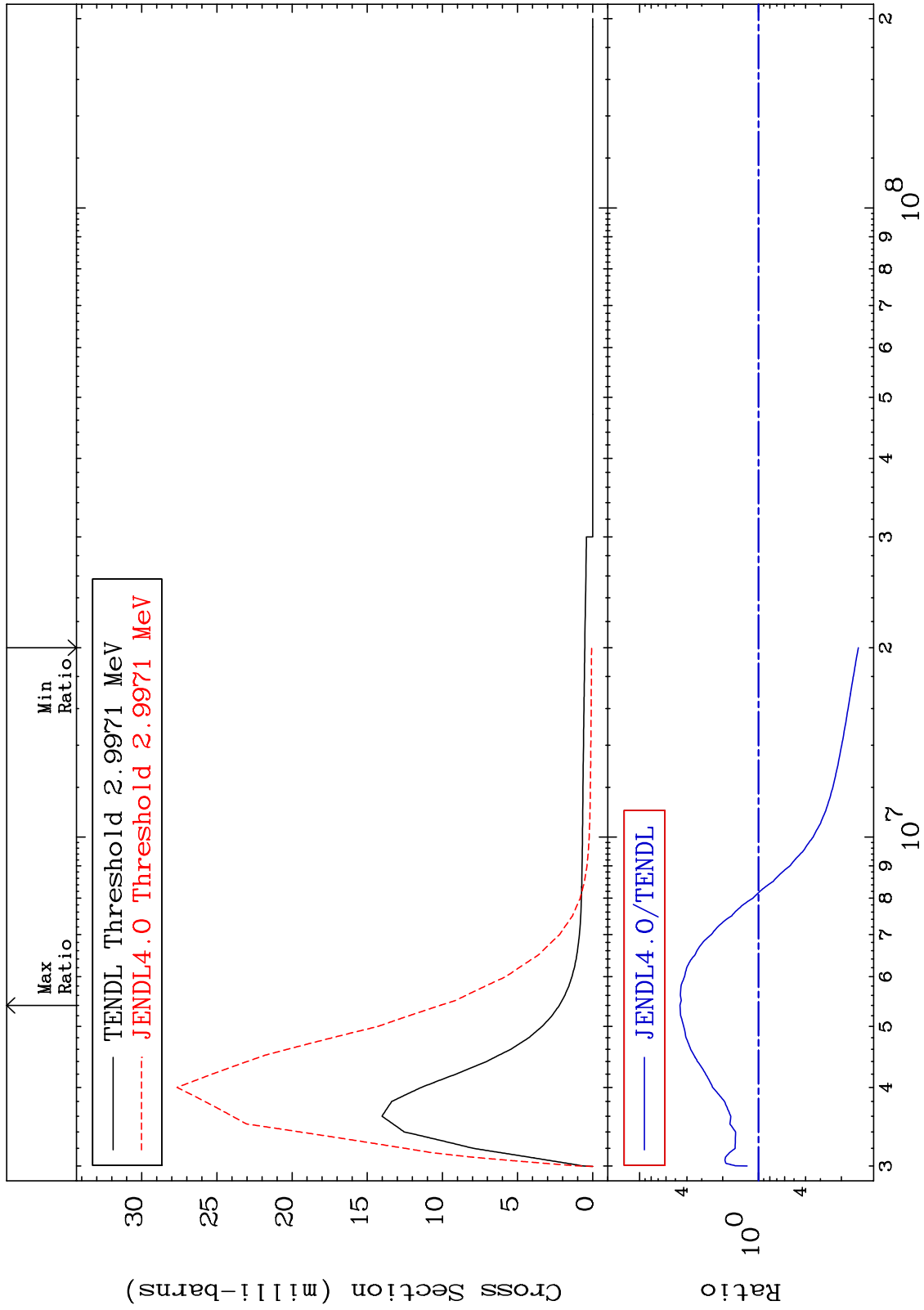


MAT 6025 MT= 72 (n,n') Level Cross Section 60-Nd-142 -15.30 To 9999. %

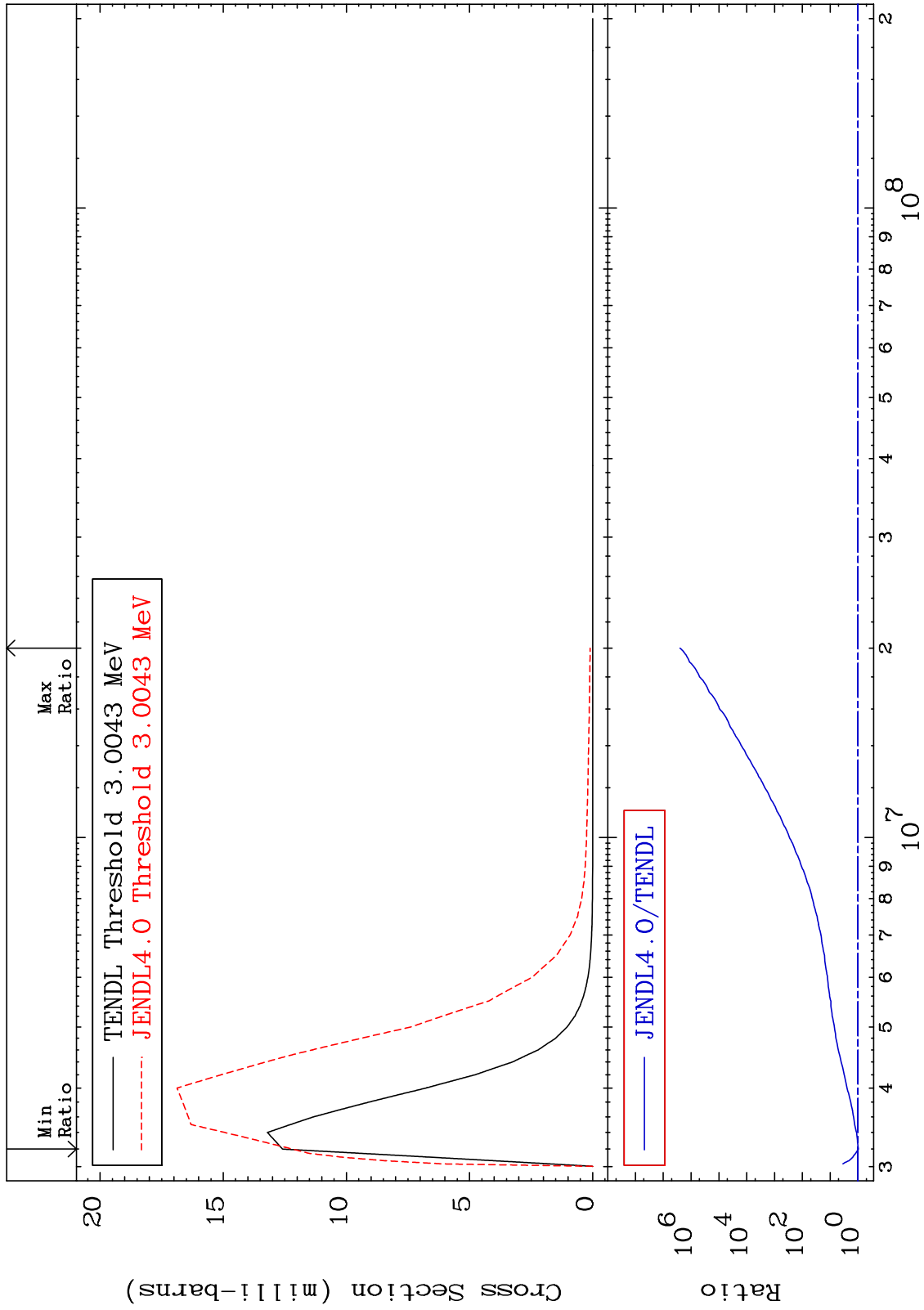


30 Incident Energy (eV) 60-Nd-142

MAT 6025 MT= 73 (n,n') Level Cross Section 60-Nd-142
 -85.64 To 357.2 %

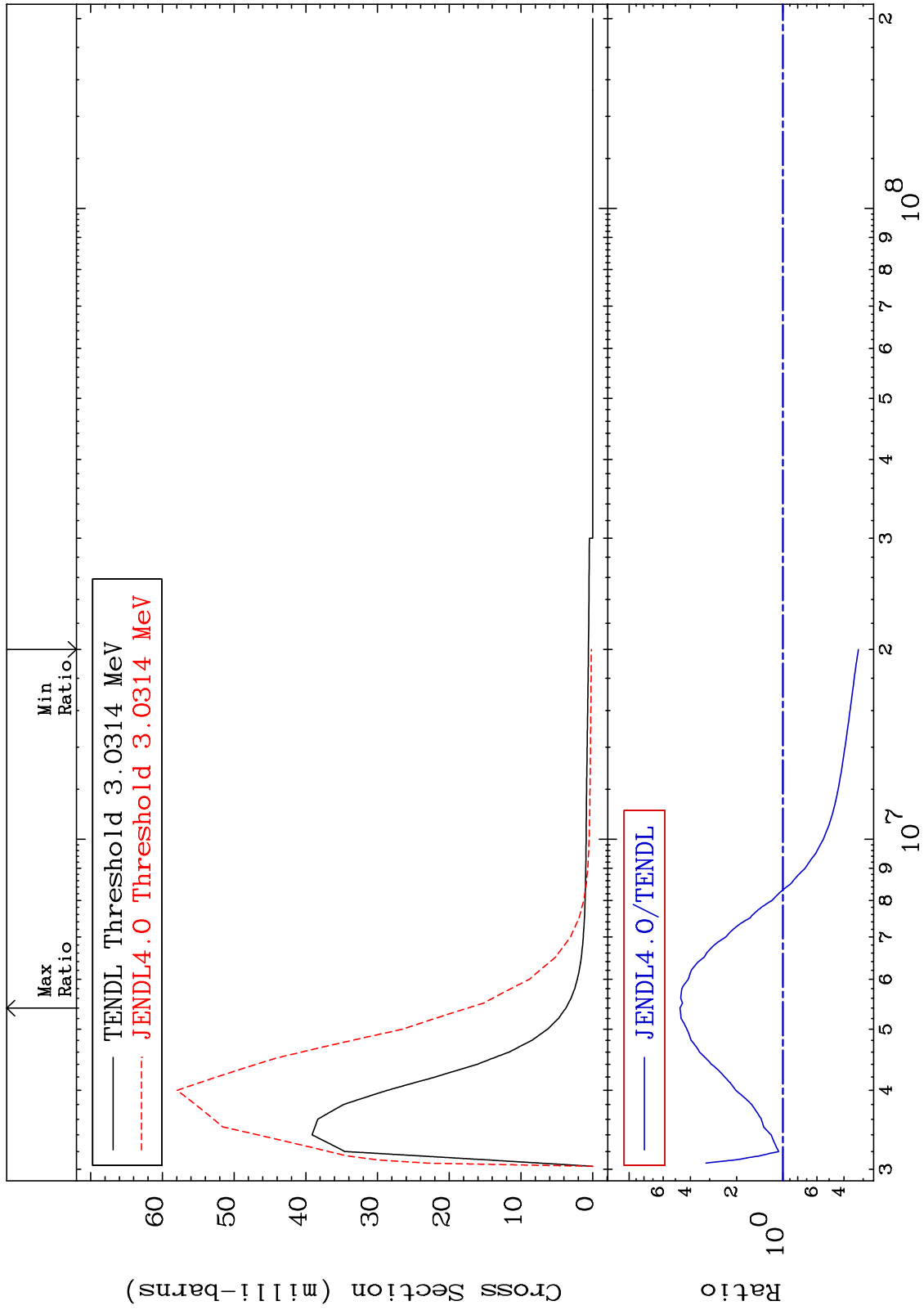


MAT 6025 MT= 74 (n,n') Level
 Cross Section 60-Nd-142
 -3.190 To 9999. %

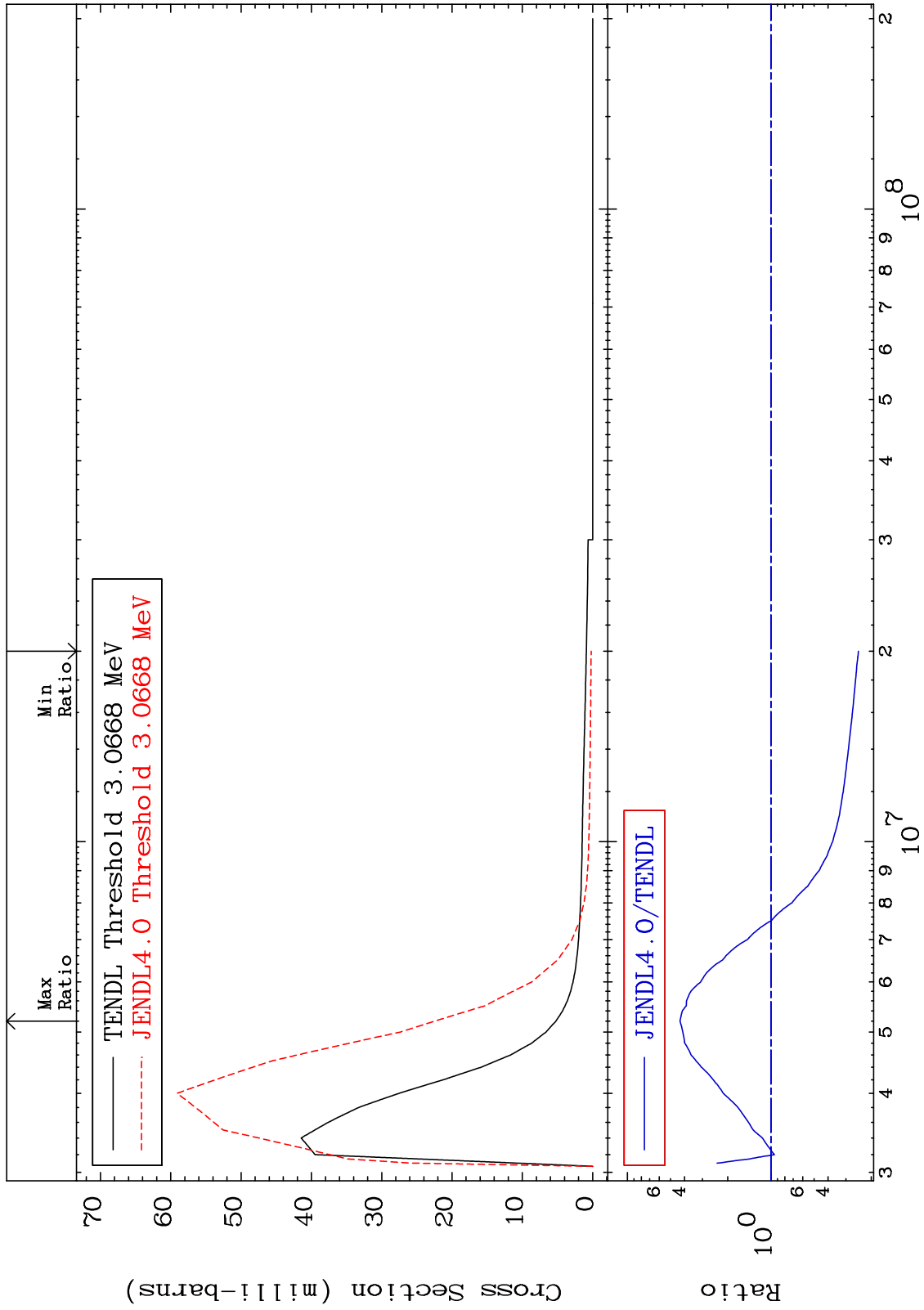


Incident Energy (eV) 60-Nd-142

MAT 6025 MT= 75 (n,n') Level 60-Nd-142
 Cross Section -67.76 To 366.8 %



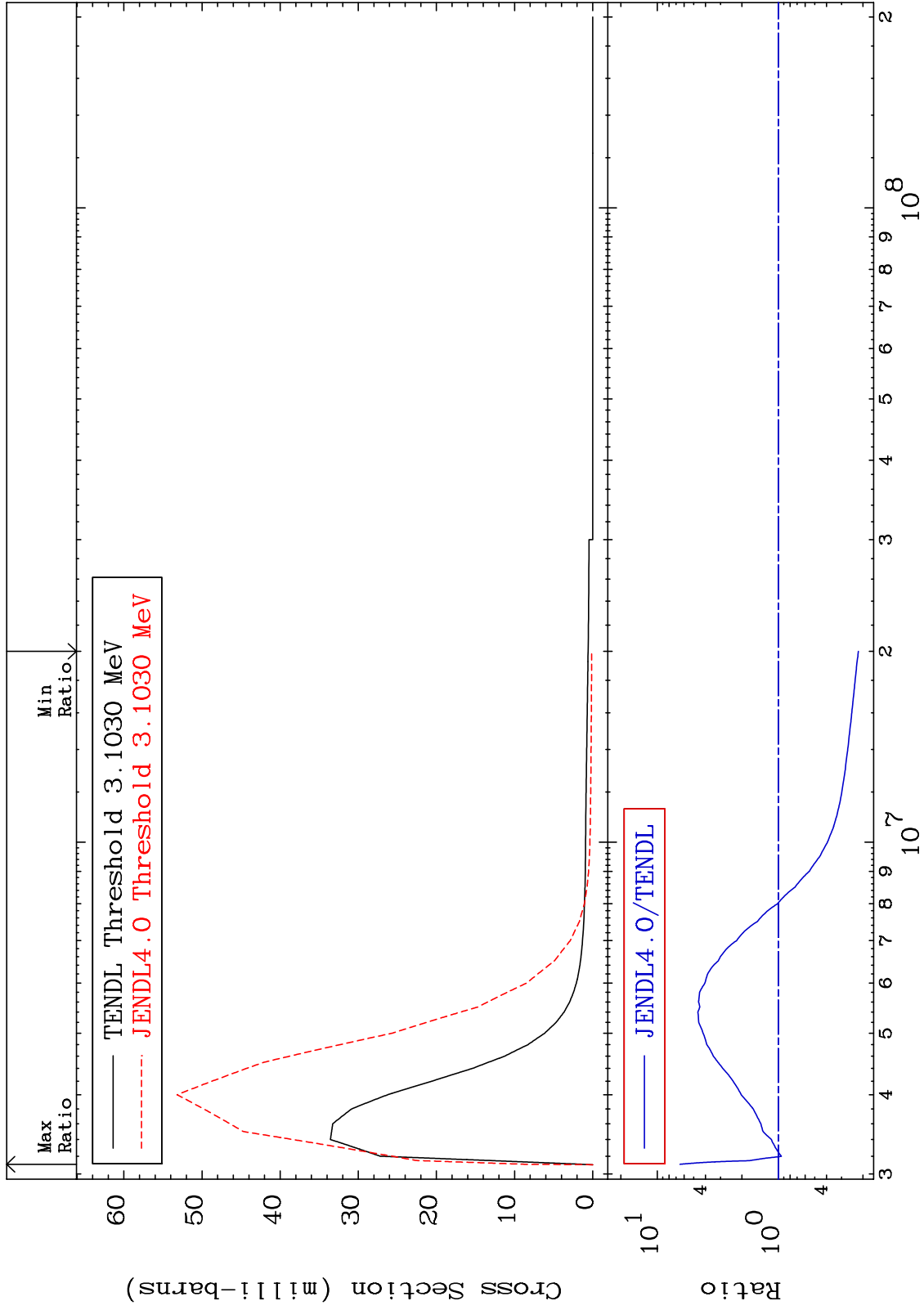
MAT 6025 MT= 76 (n,n') Level 60-Nd-142
 Cross Section -75.44 To 329.9 %



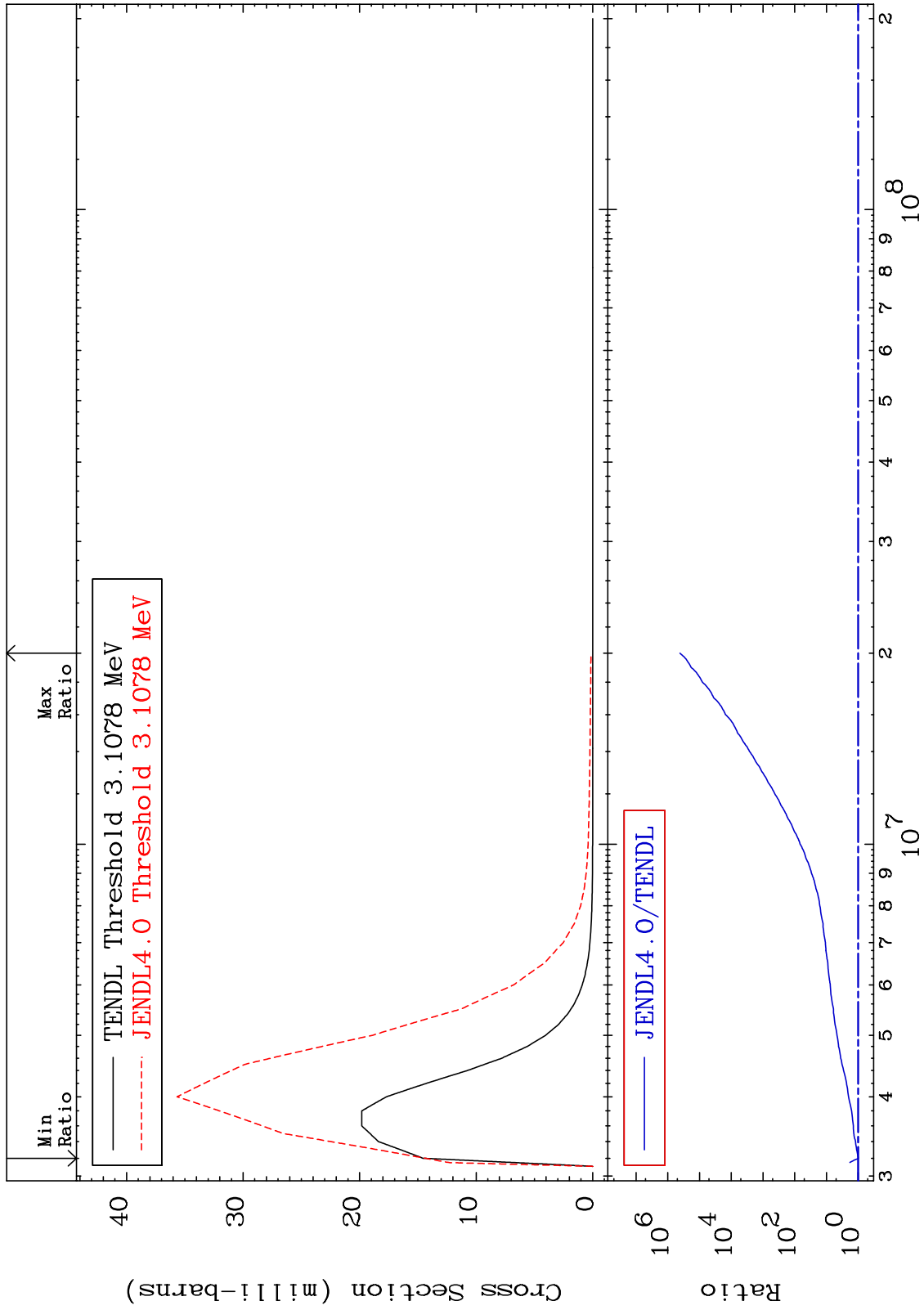
MAT 6025

MT= 77 (n,n') Level
Cross Section

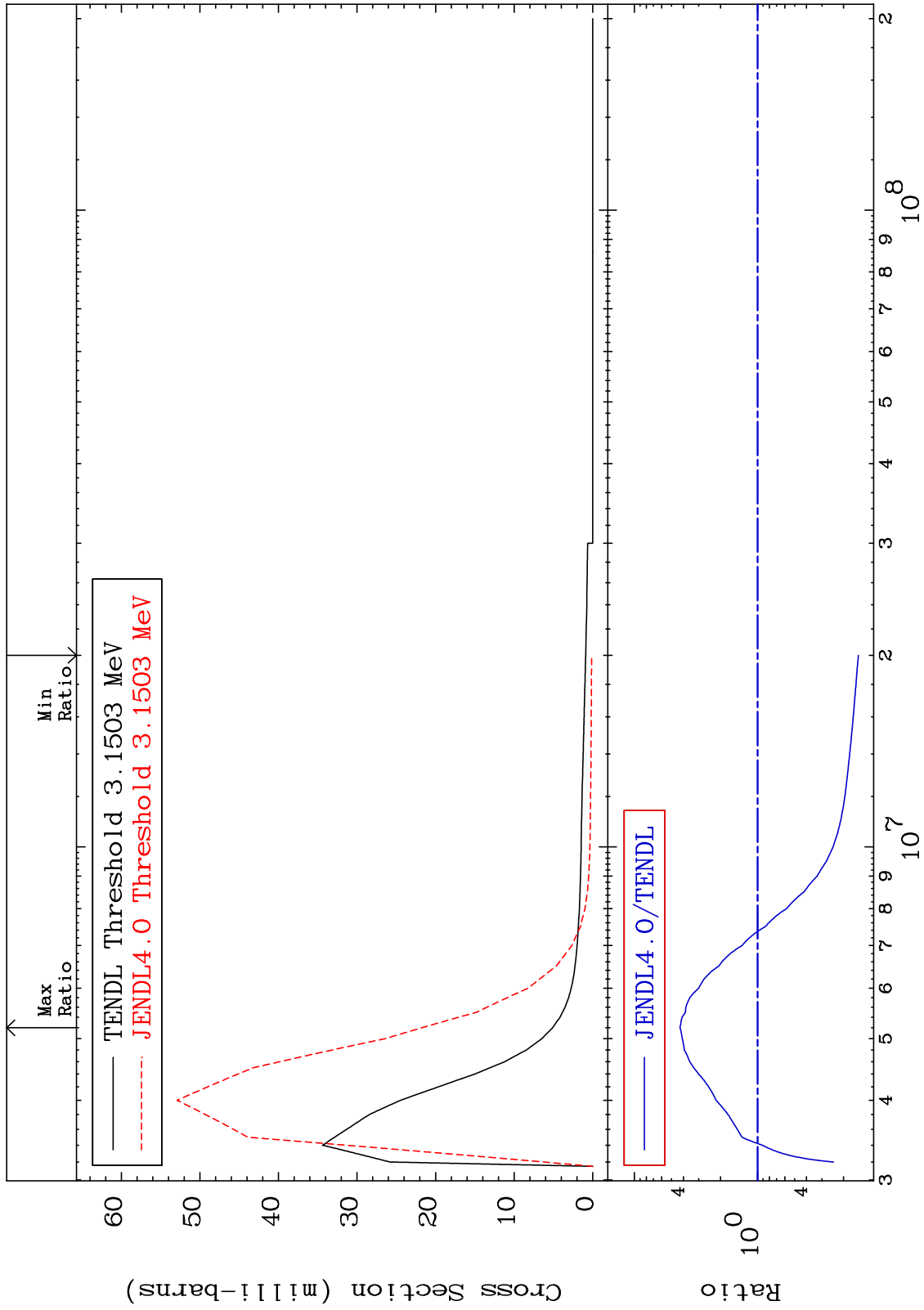
60-Nd-142
-78.21 To 548.9 %



MAT 6025 MT= 78 (n,n') Level 60-Nd-142
 Cross Section -1.366 To 9999. %



MAT 6025 MT= 79 (n,n') Level
 Cross Section 60-Nd-142
 -84.84 To 325.9 %

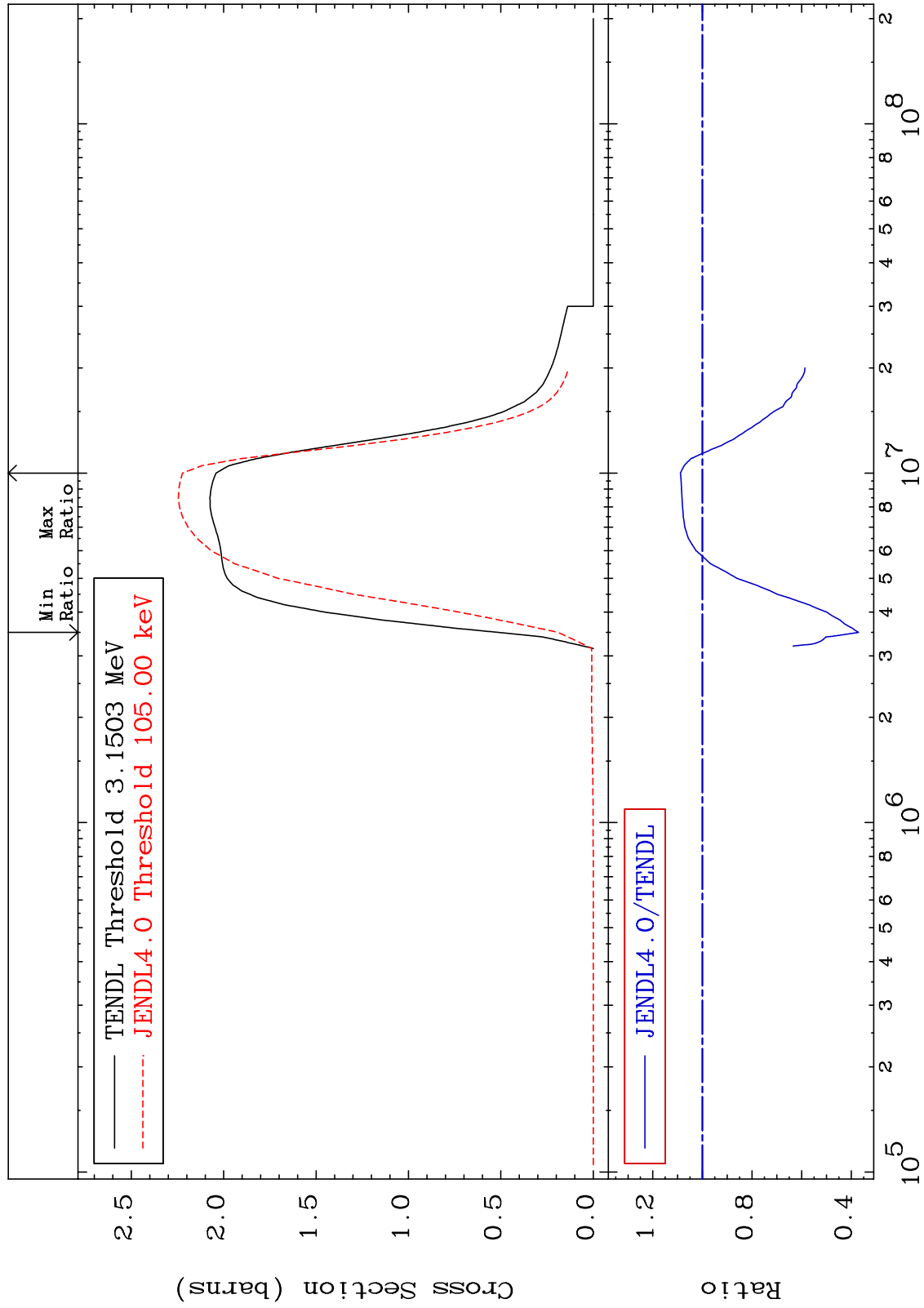


37 60-Nd-142

MAT 6025

(n, n') Continuum
Cross Section

60-Nd-142
-62.92 To 8.867 %



38

60-Nd-142

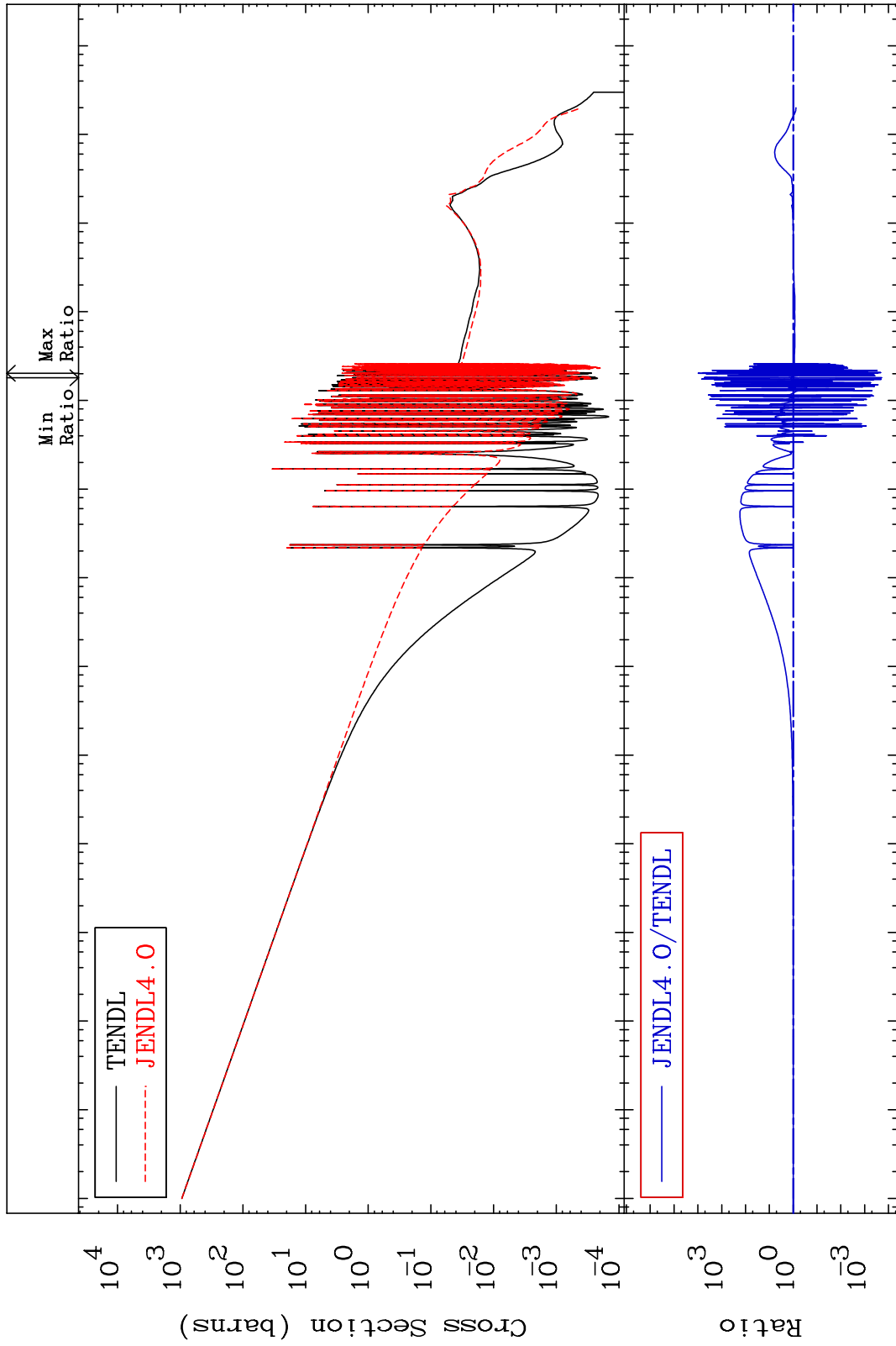
MAT 6025

(n, γ)

60-Nd-142

Cross Section

-99.98 To 9999. %



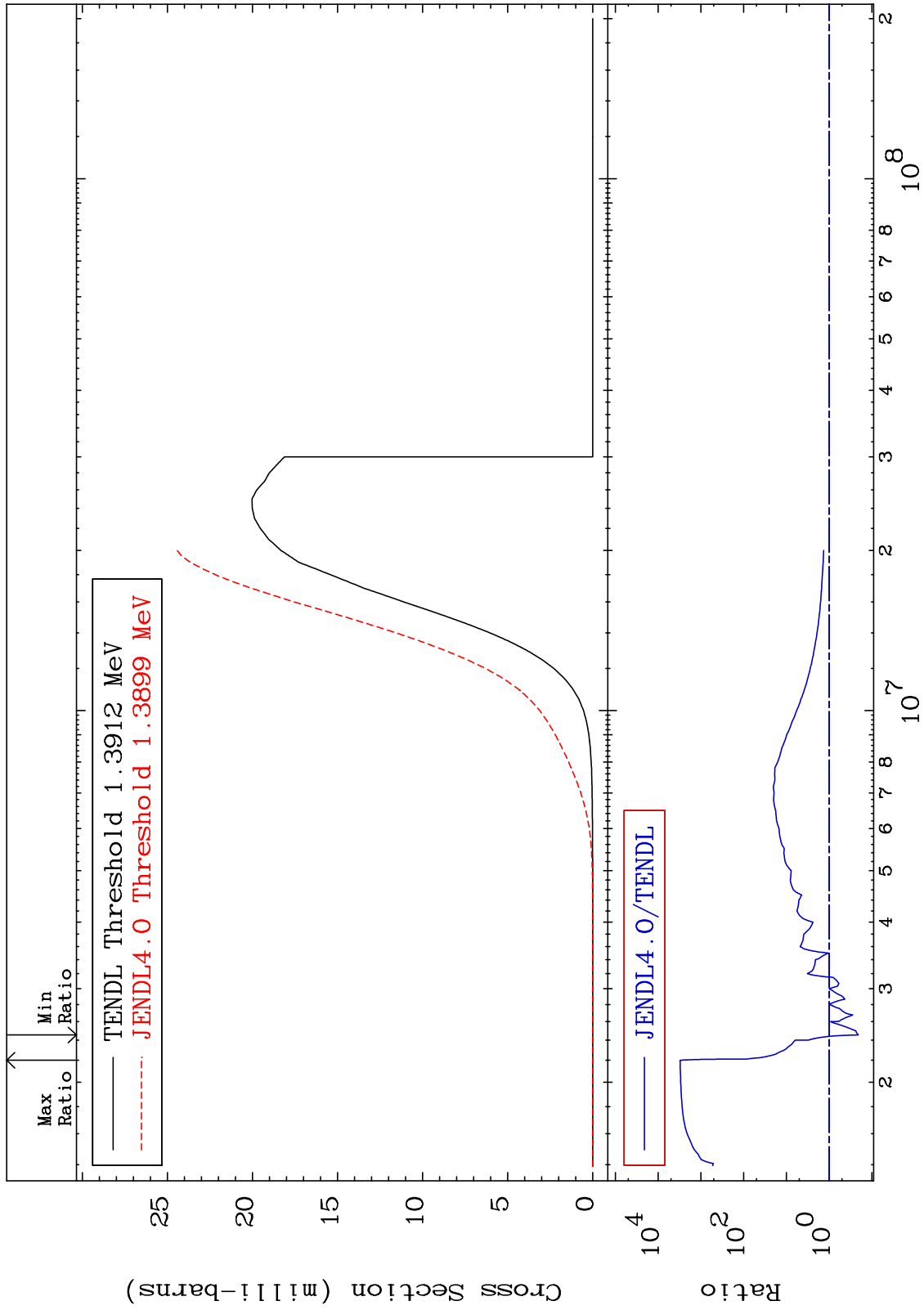
MAT 6025

(n,p)

60-Nd-142

Cross Section

-79.42 To 9999. %

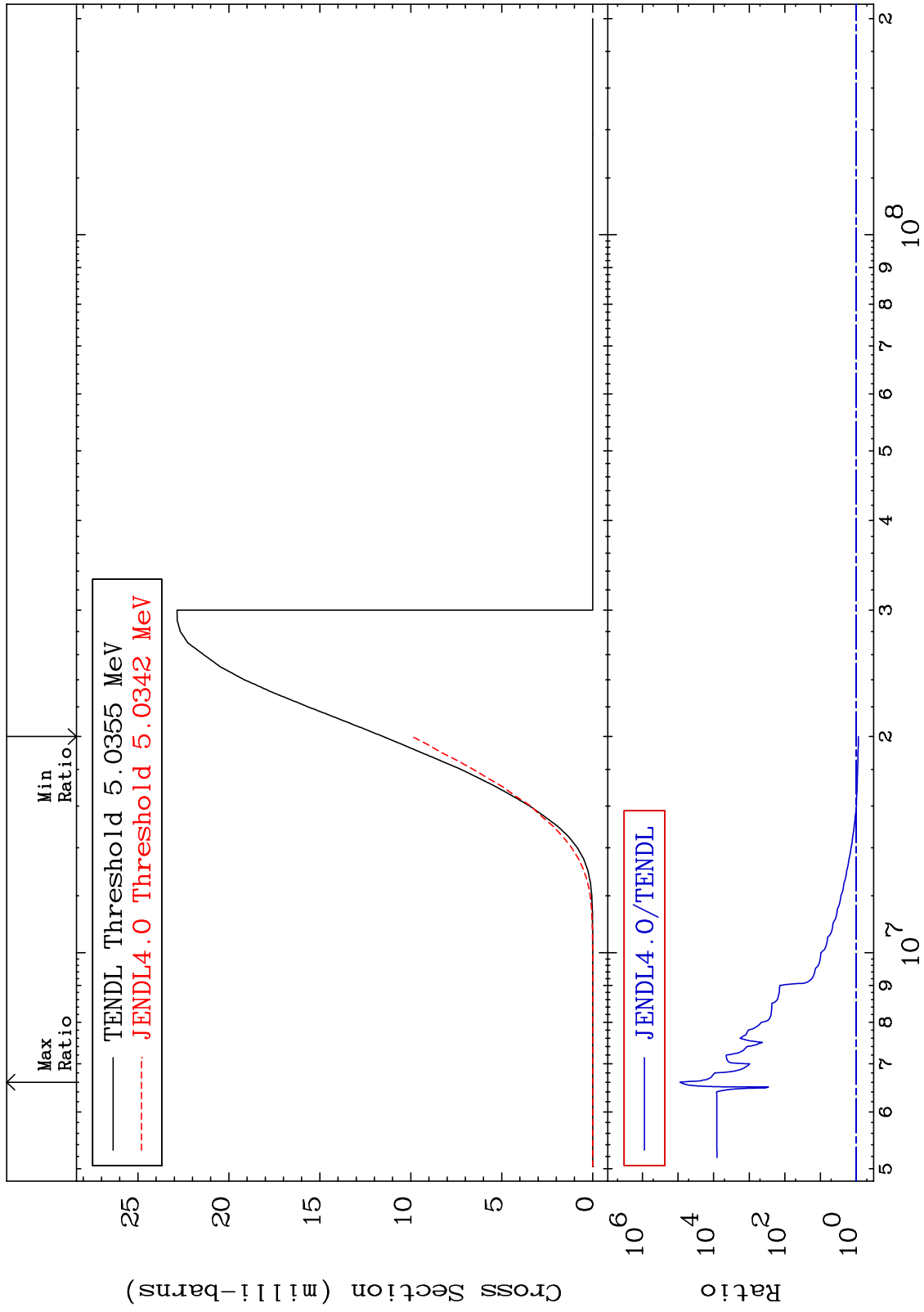


40

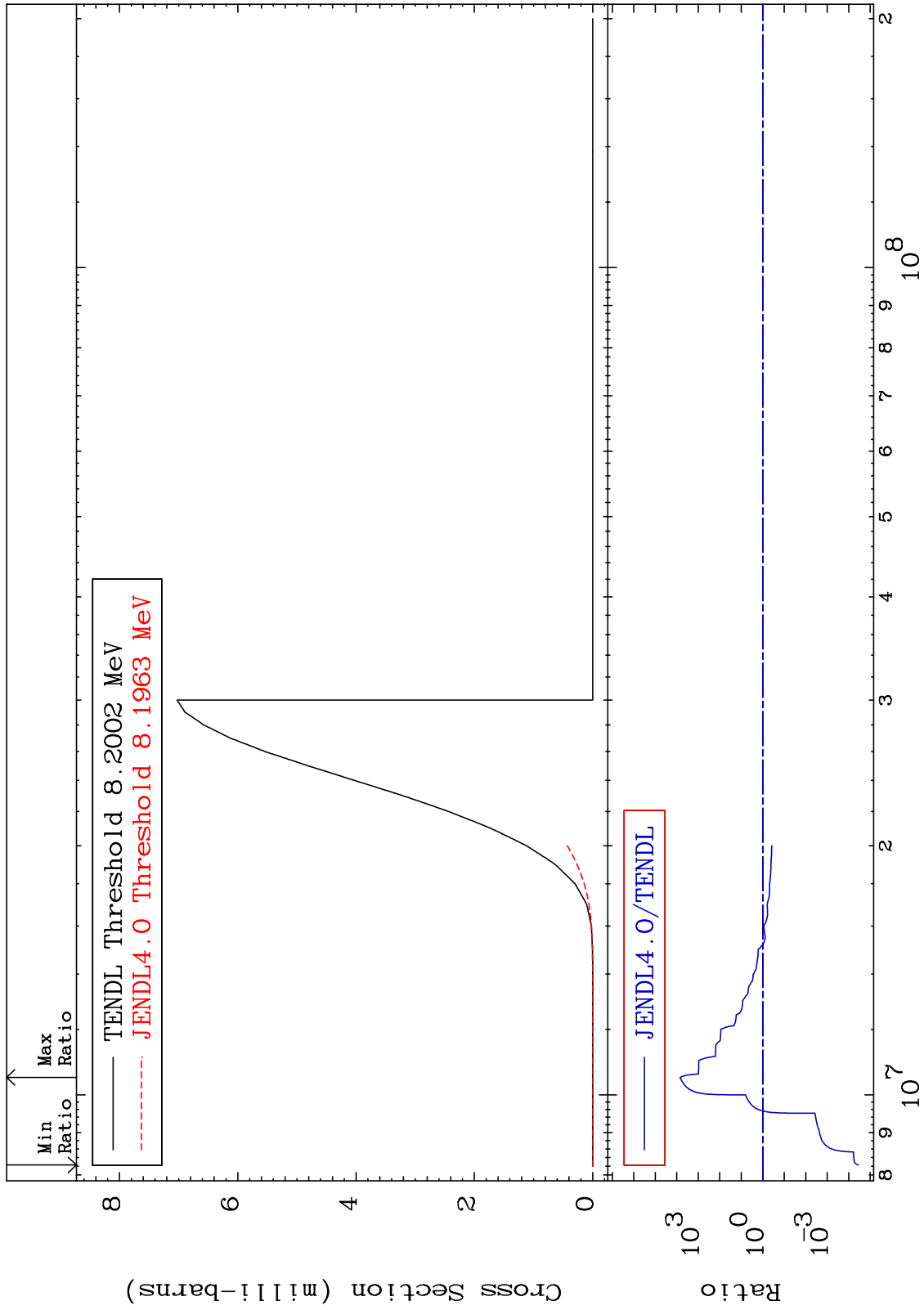
Incident Energy (eV)

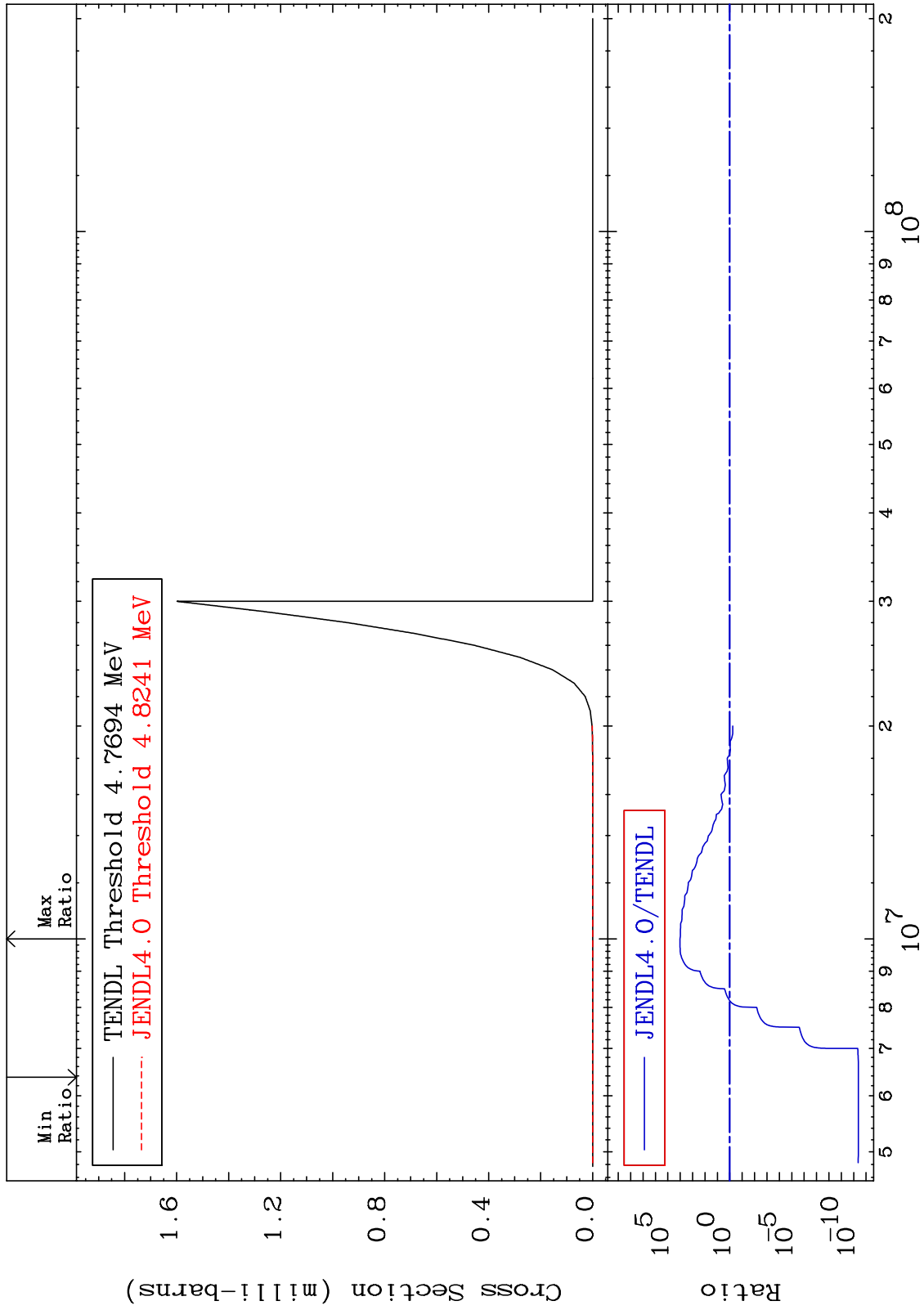
60-Nd-142

MAT 6025 (n,d) Cross Section 60-Nd-142 -13.94 To 9999. %



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





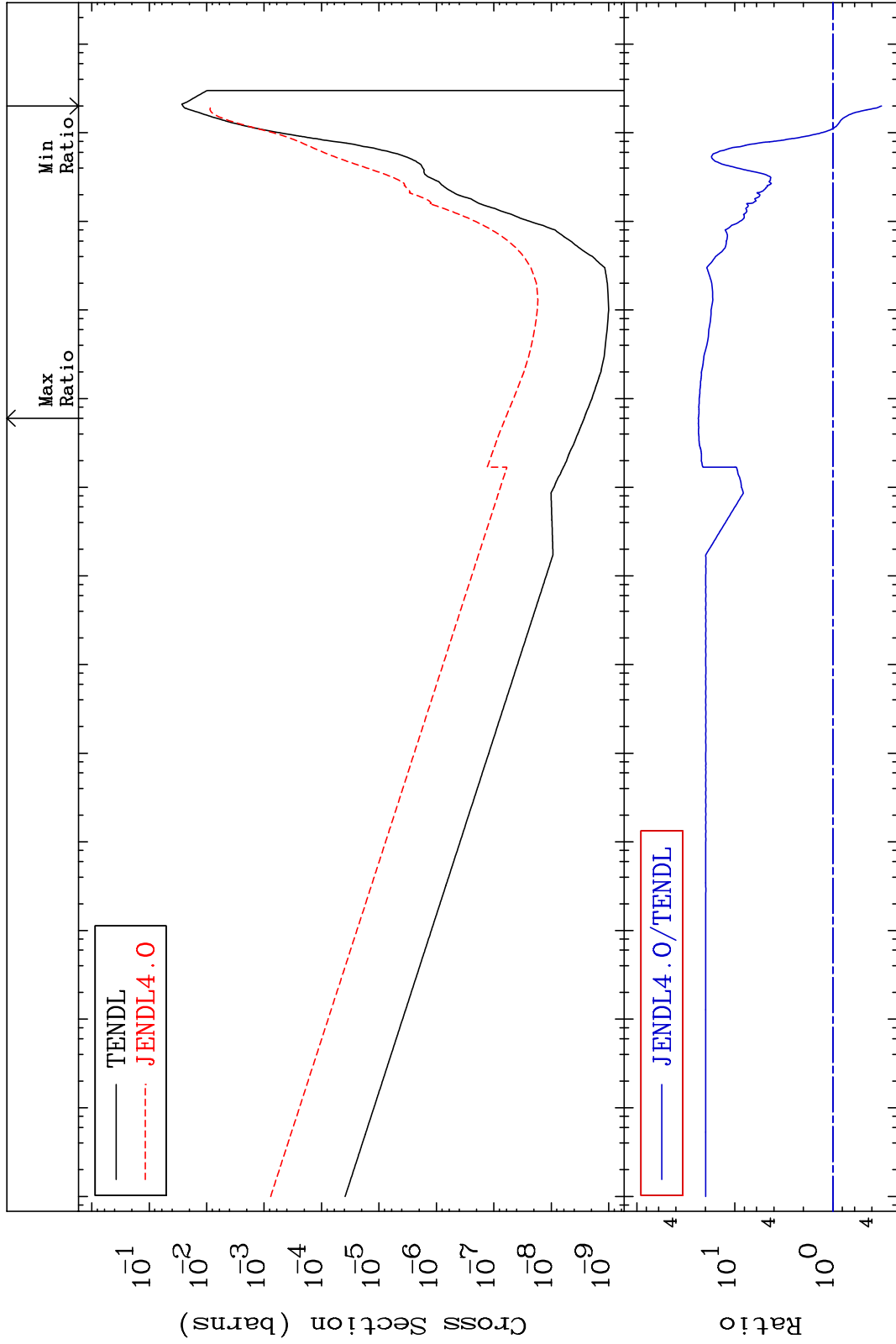
MAT 6025

(n, α)

60-Nd-142

Cross Section

-68.11 To 2258. %

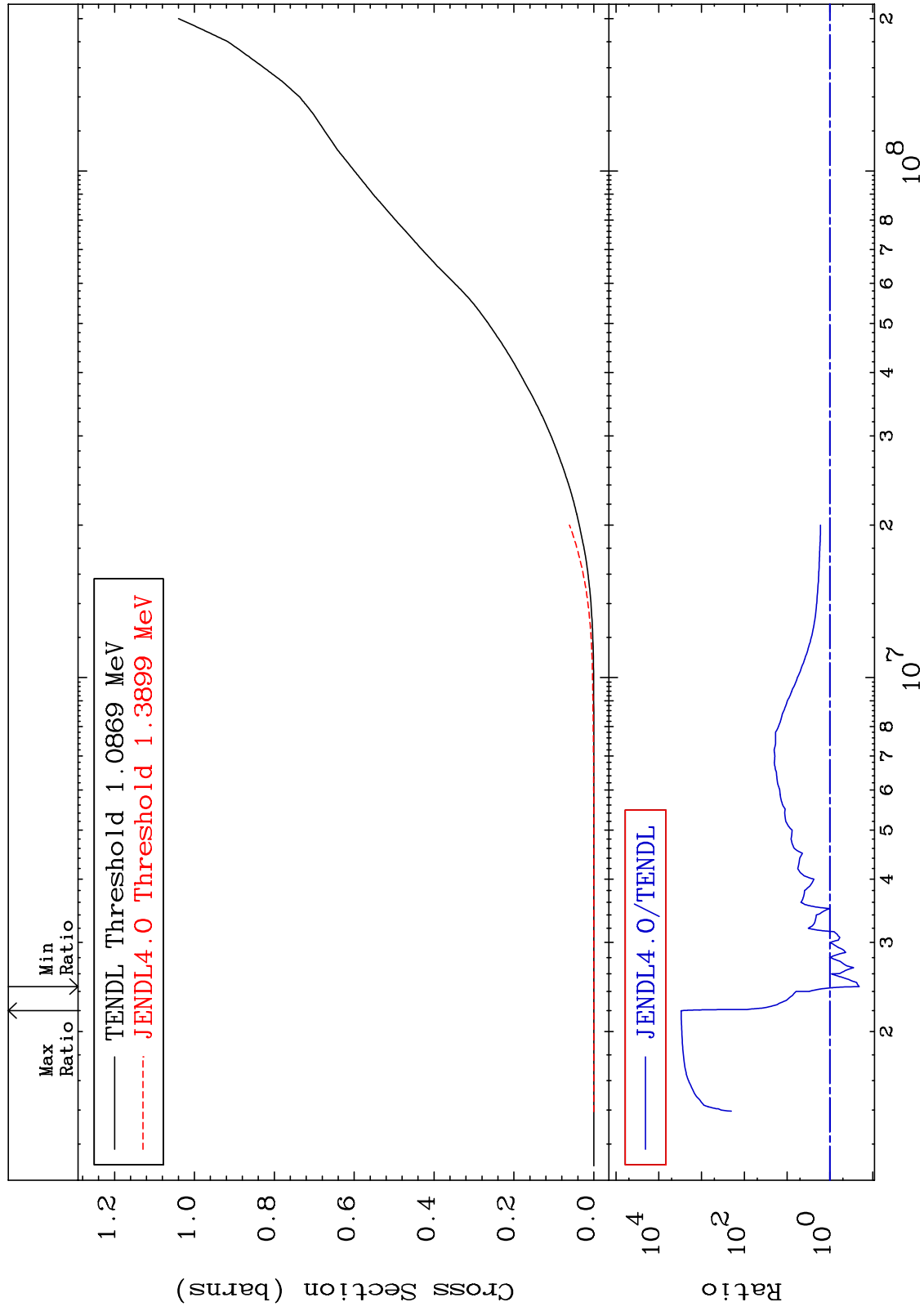


Incident Energy (eV) 60-Nd-142

MAT 6025

Hydrogen Production
Cross Section

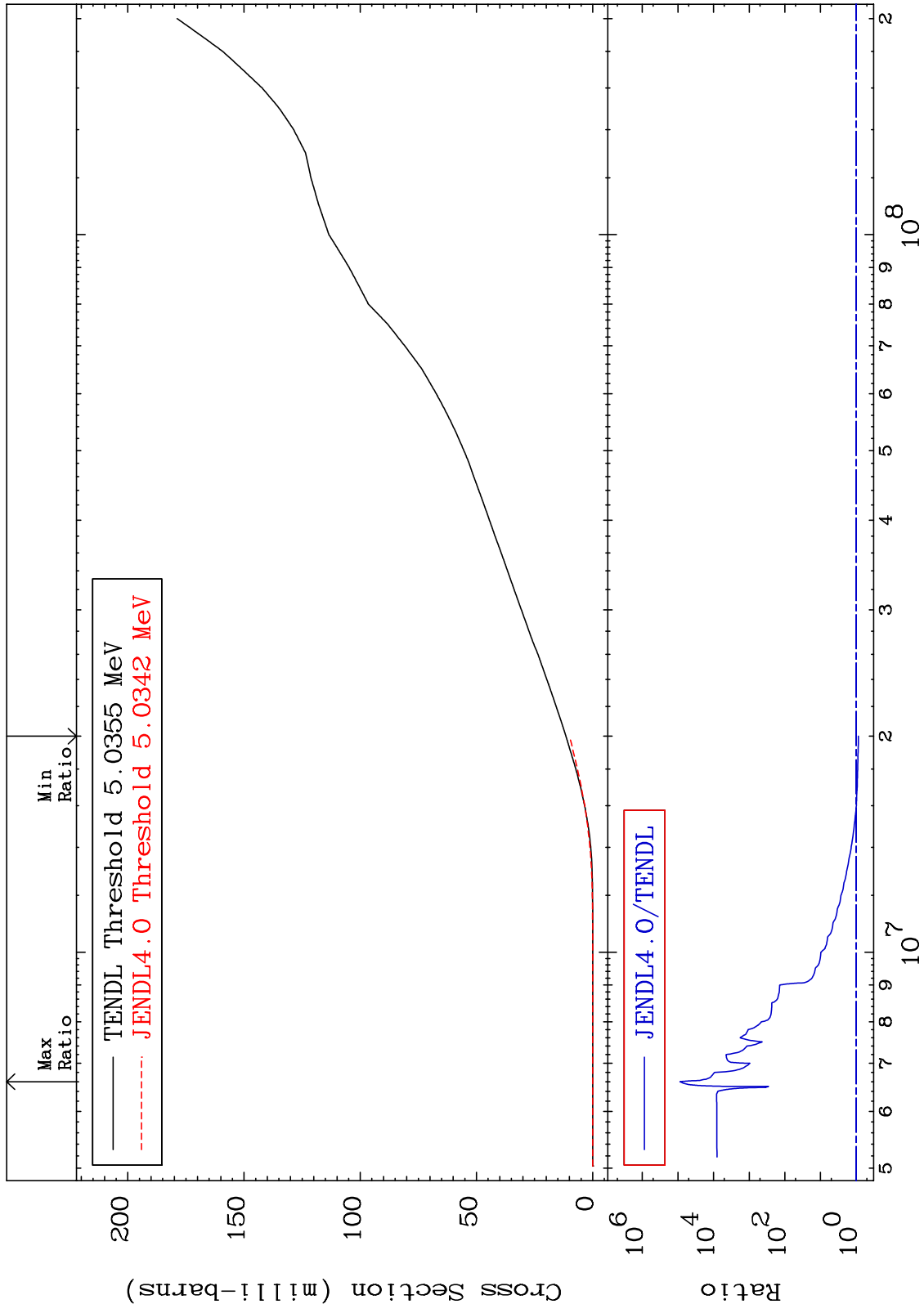
⁶⁰Nd-142
-79.42 To 9999. %



MAT 6025

Deuterium Production
Cross Section

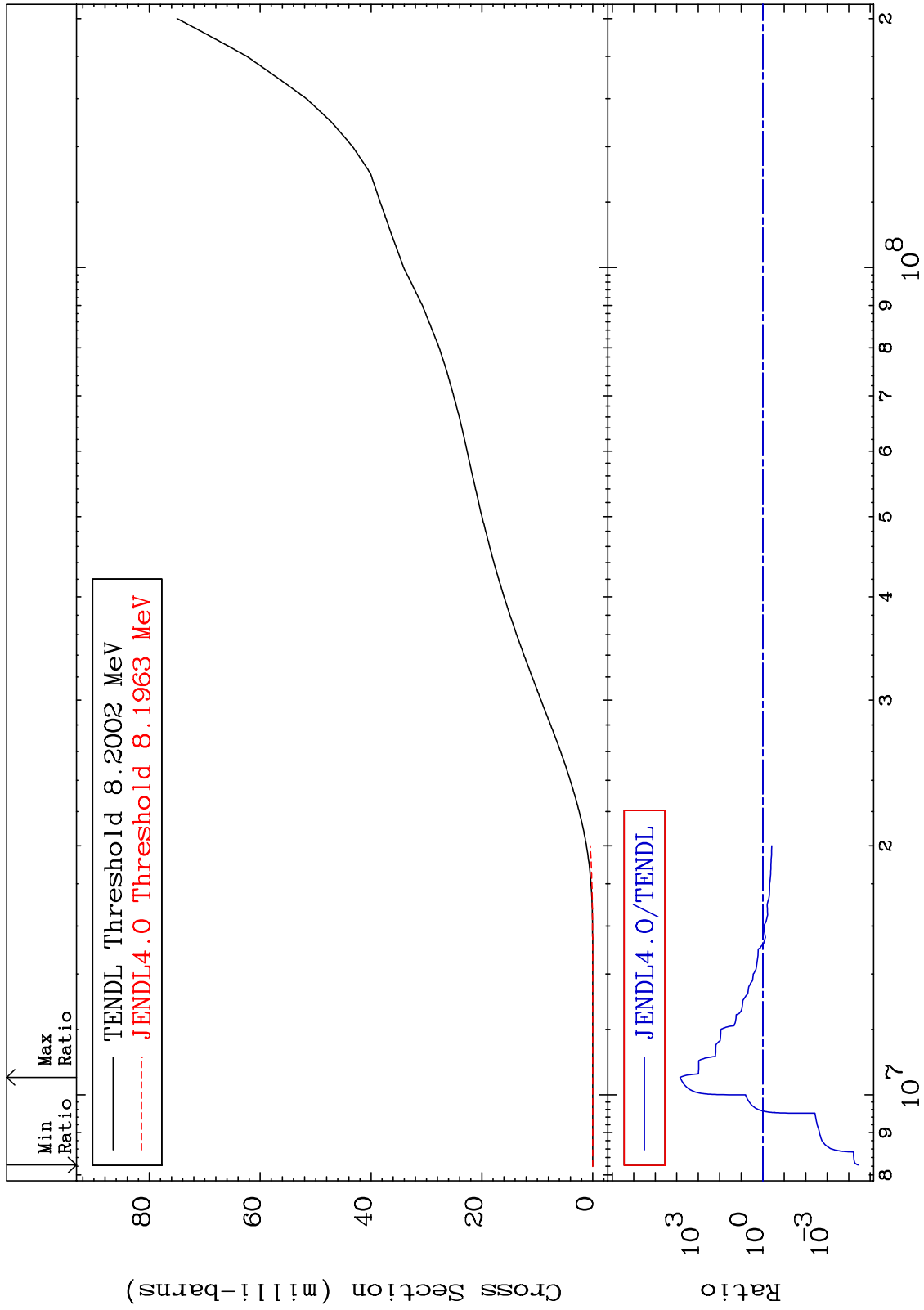
60-Nd-142
-13.74 To 9999. %



MAT 6025

Tritium Production
Cross Section

60-Nd-142
-100.0 To 9999. %



47

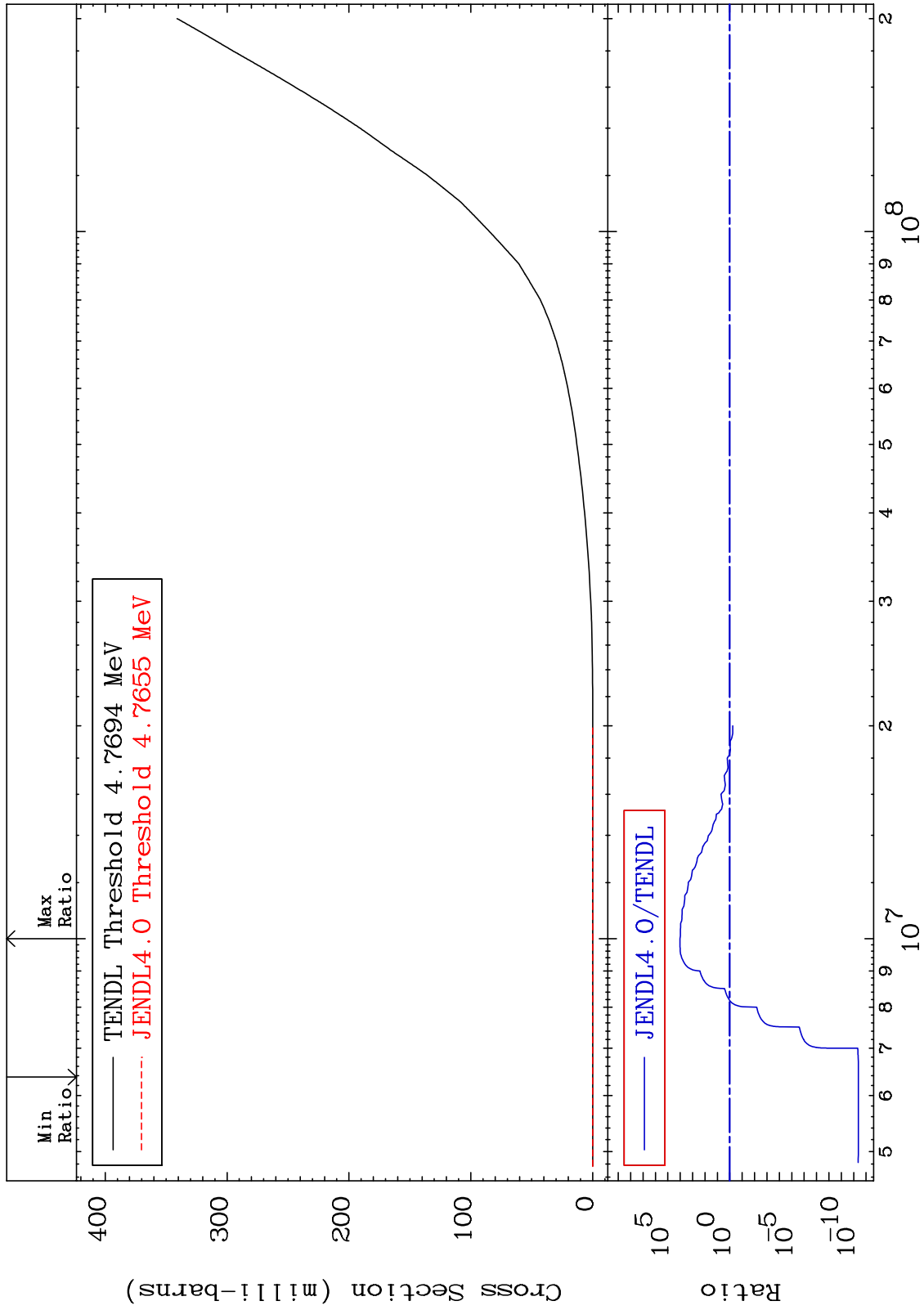
Incident Energy (eV)

60-Nd-142

MAT 6025

He-3 Production
Cross Section

60-Nd-142
-100.0 To 9999. %



48

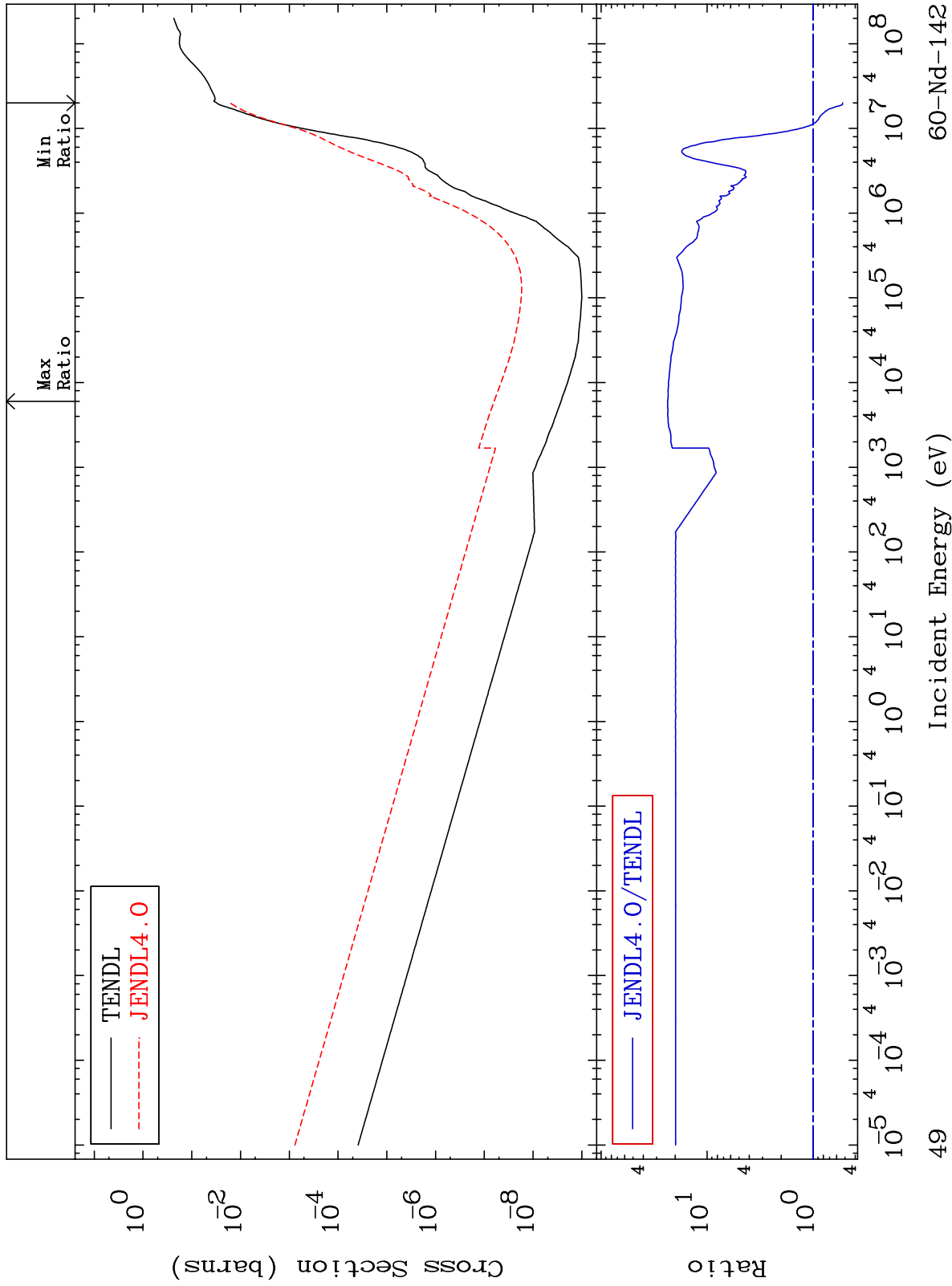
Incident Energy (eV)

60-Nd-142

MAT 6025

He-4 Production
Cross Section

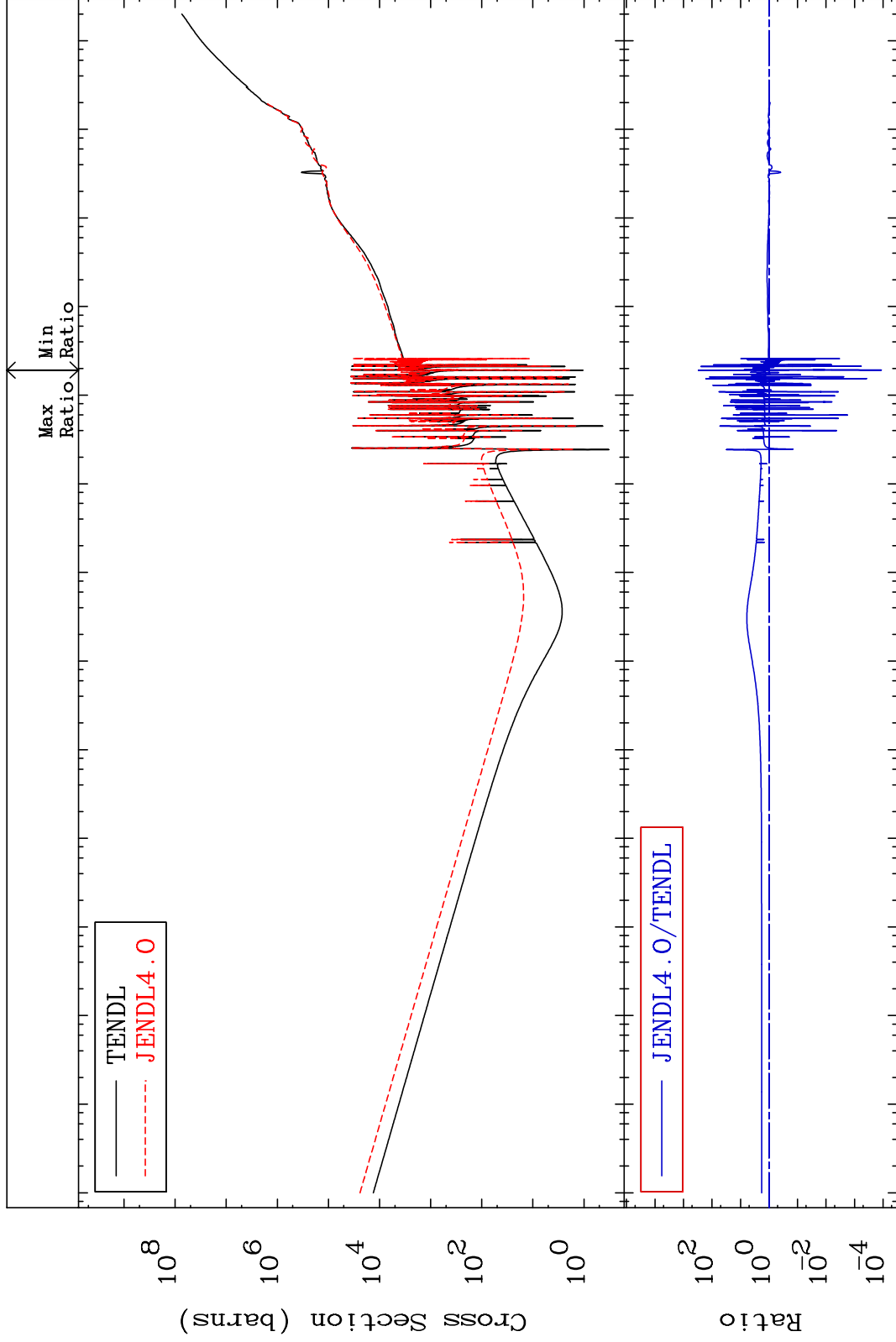
60-Nd-142
-47.42 To 2258. %



MAT 6025

Kerma total (eV-barns)
Cross Section

60-Nd-142
-99.99 To 9999. %



50

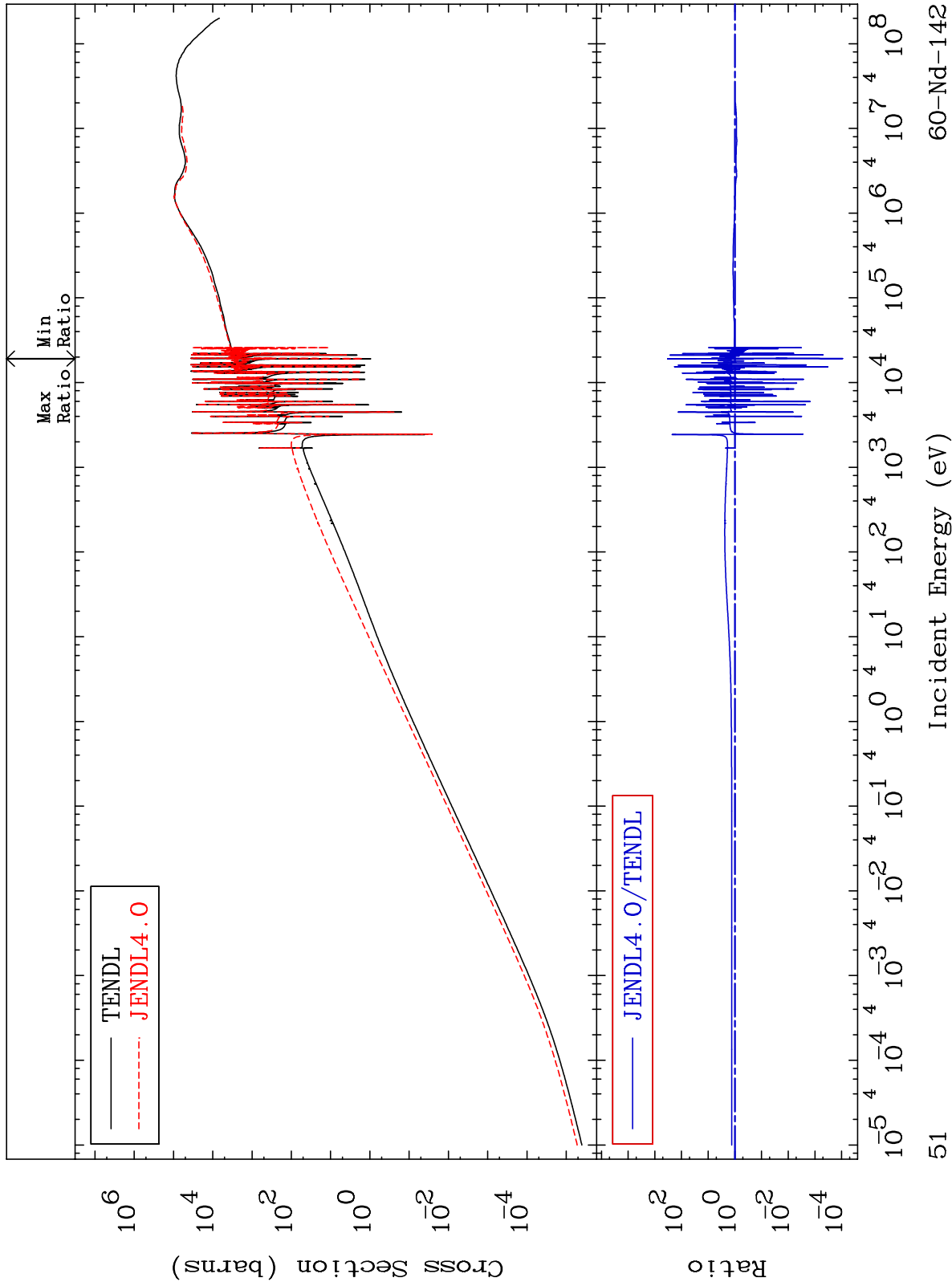
Incident Energy (eV)

60-Nd-142

MAT 6025

Kerma elastic
Cross Section

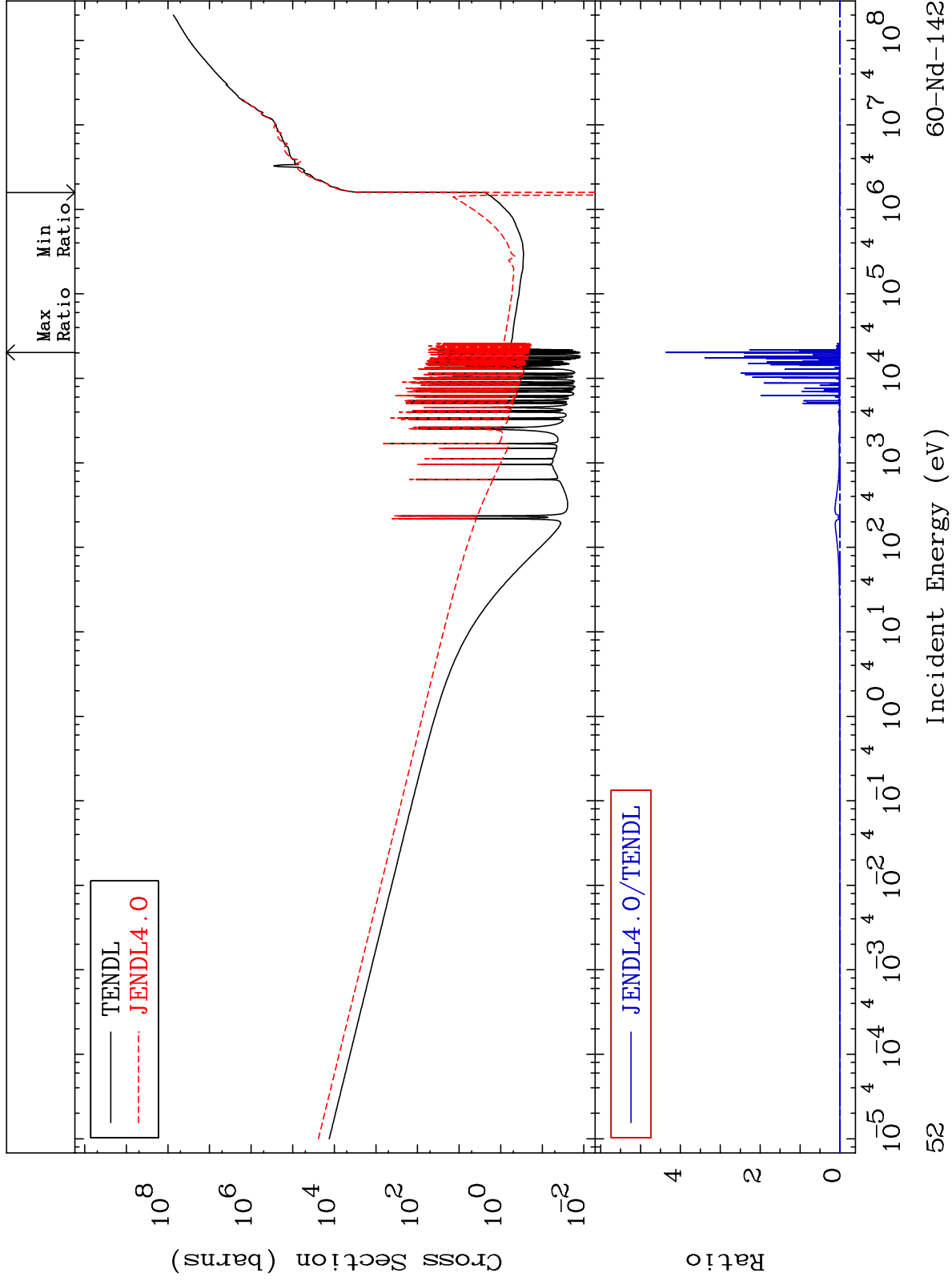
60-Nd-142
-99.99 To 9999. %



MAT 6025

Kerma non-elastic (all but mt2)
Cross Section

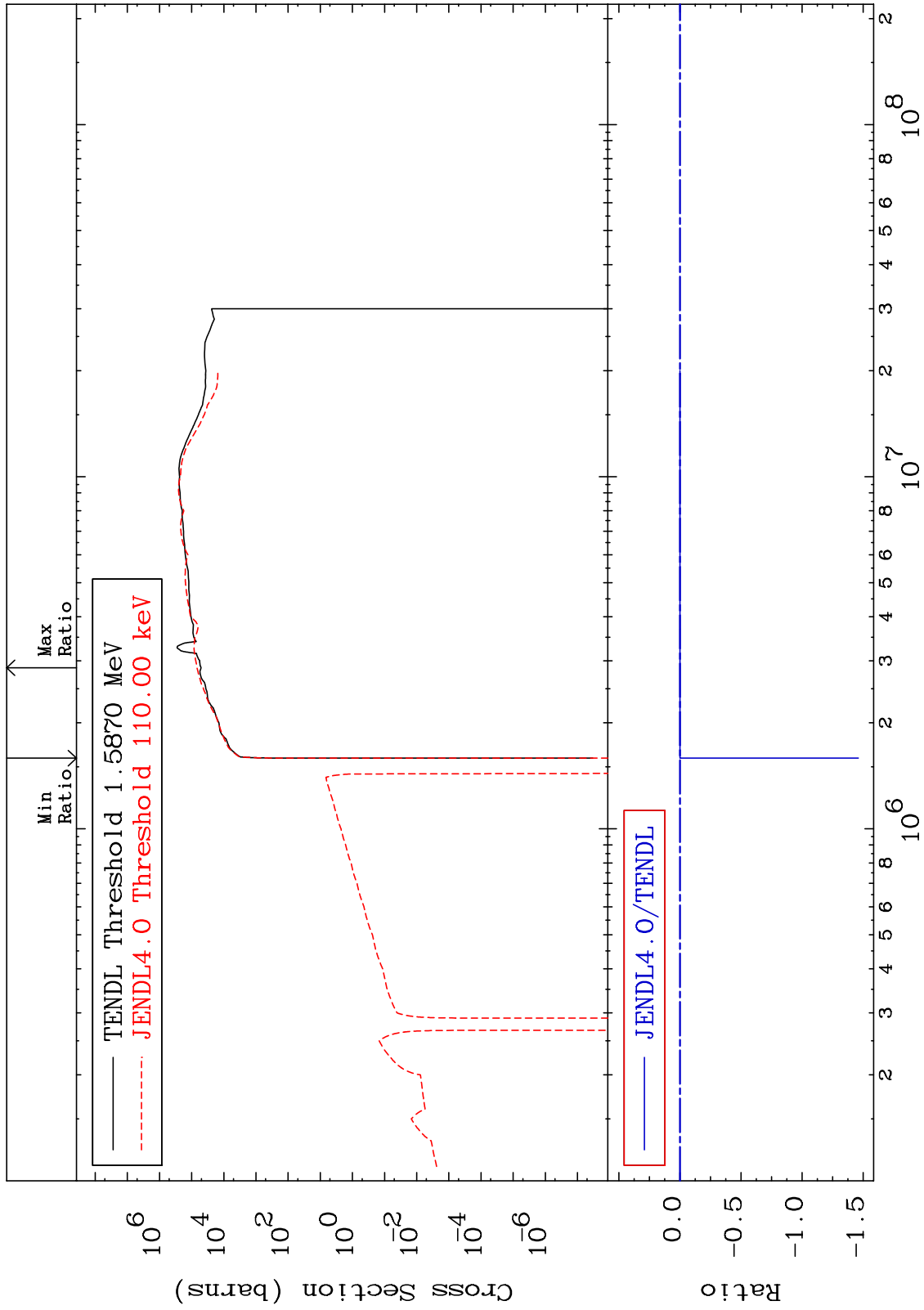
60-Nd-142
-1651. To 9999. %



MAT 6025

Kerma inelastic (mt51-91)
Cross Section

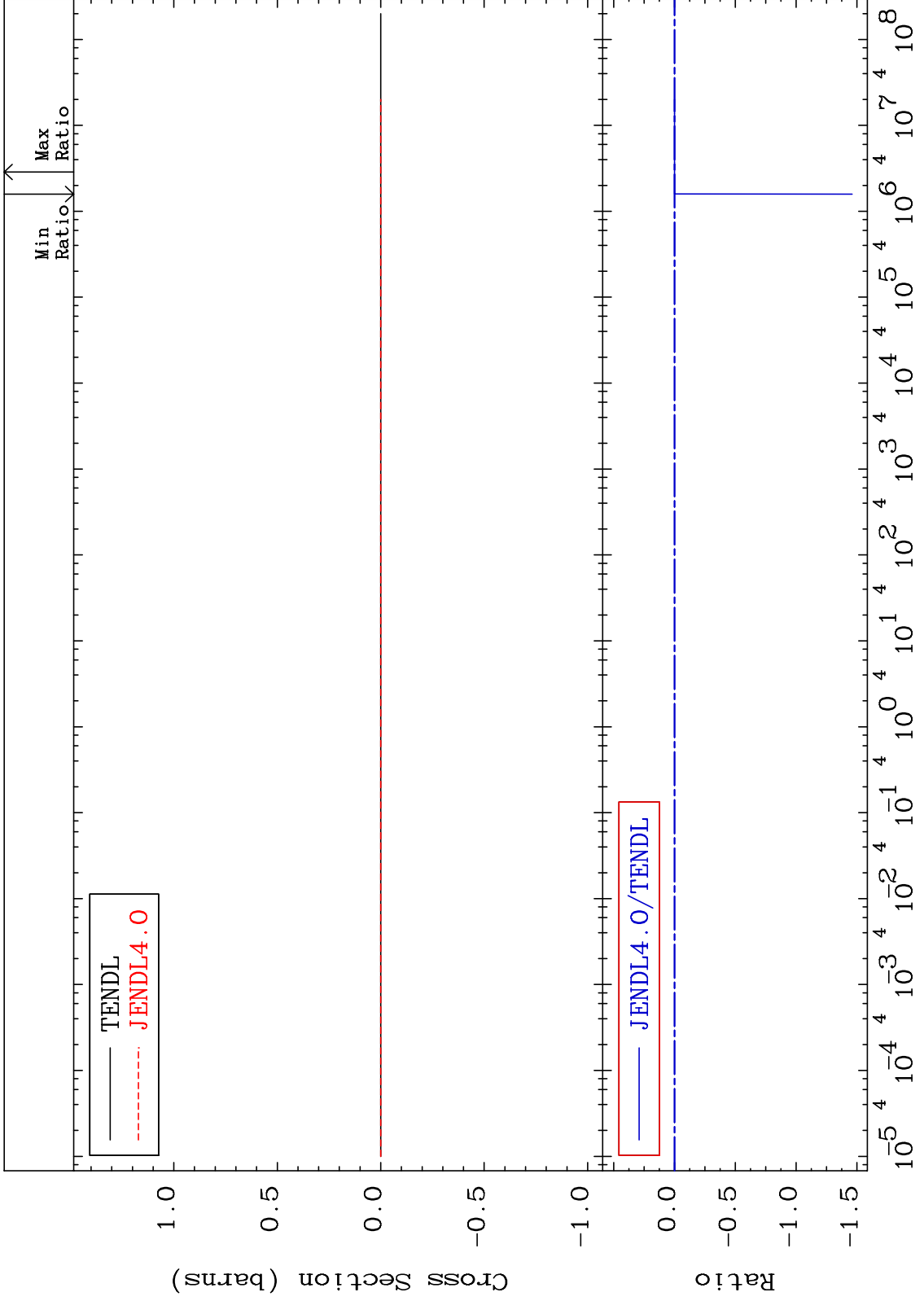
60-Nd-142
-9999. To 33.69 %



MAT 6025

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

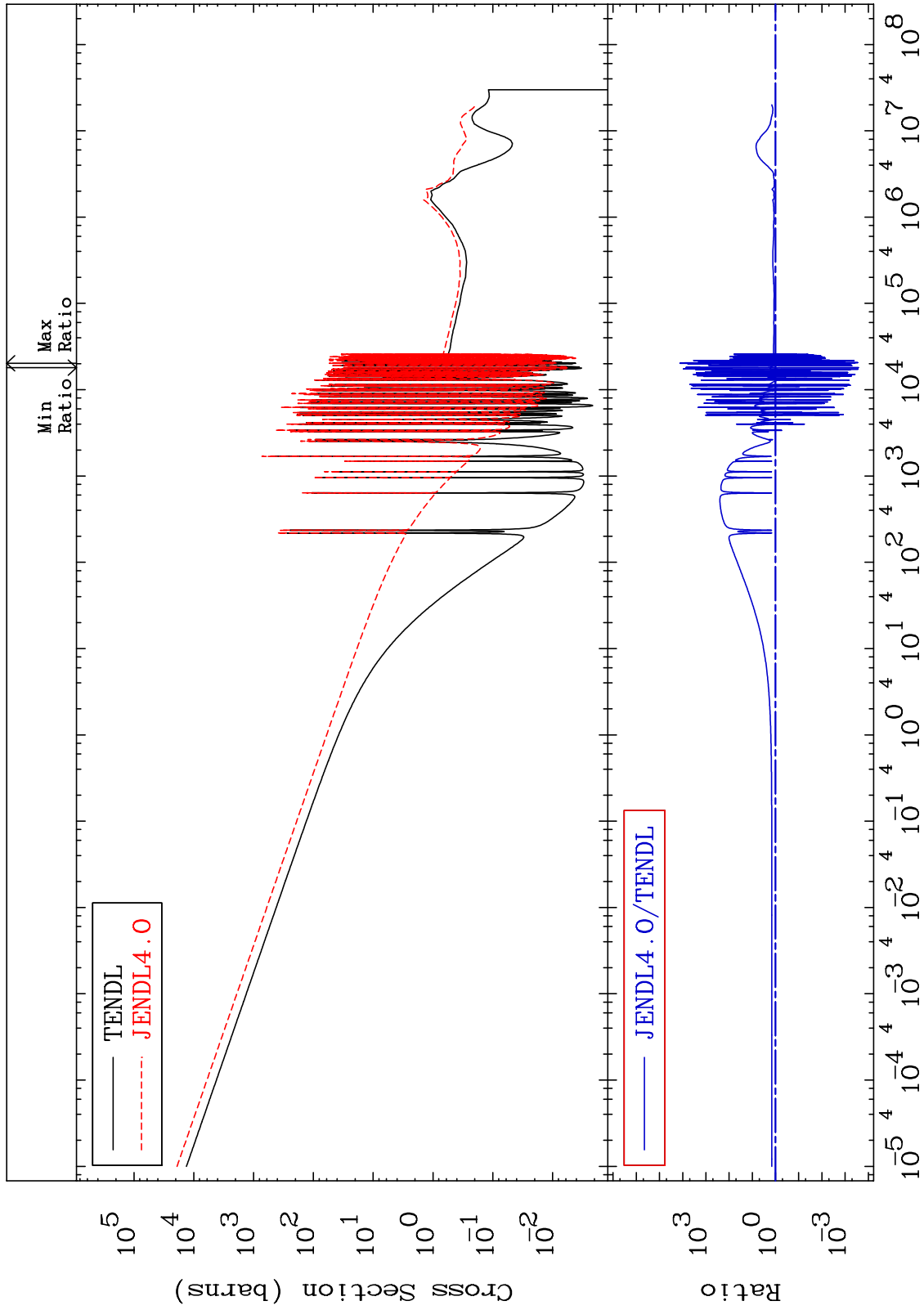
60-Nd-142
-9999. To 33.69 %



MAT 6025

Kerma capture (mt102)
Cross Section

60-Nd-142
-99.97 To 9999. %



55

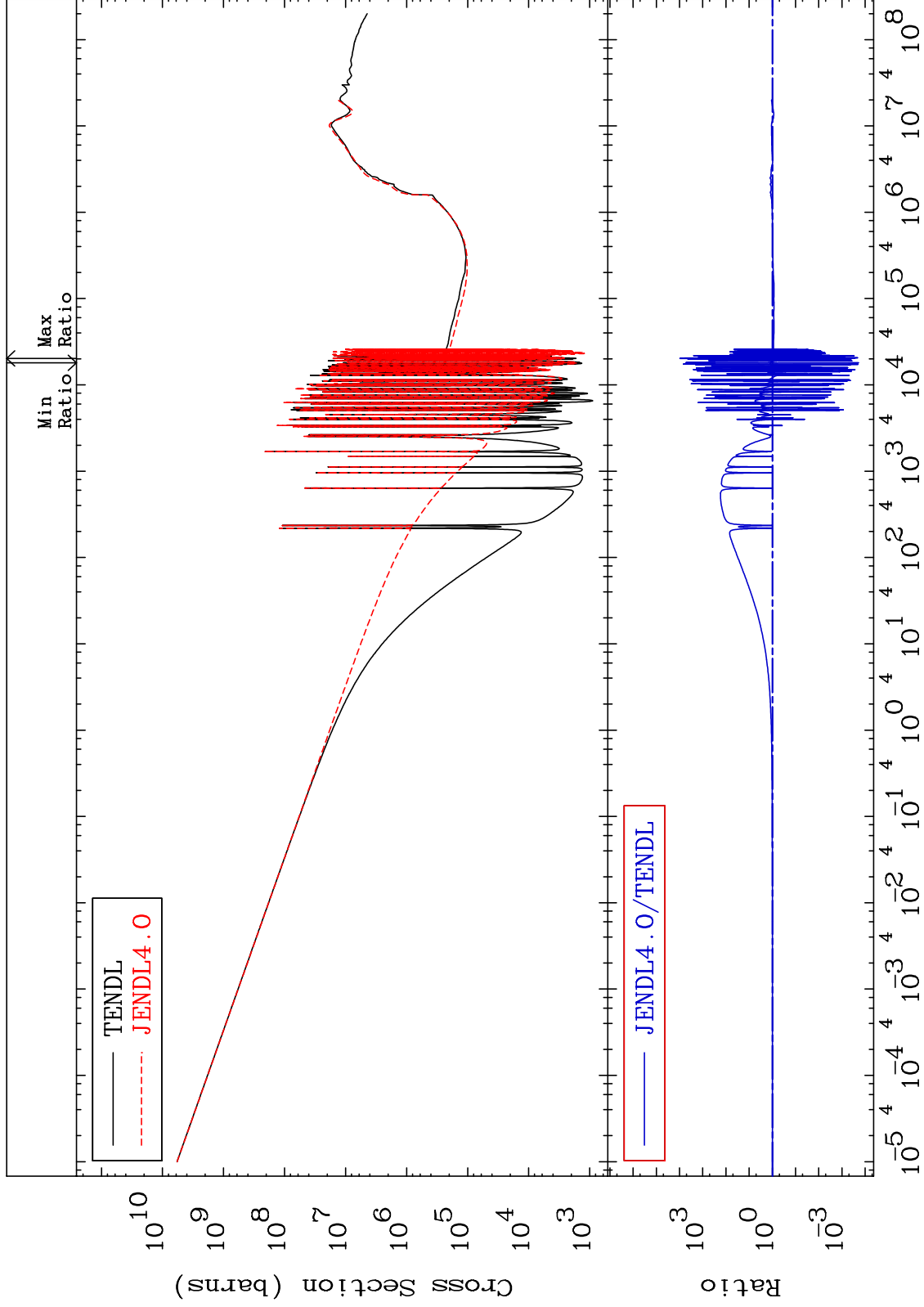
Incident Energy (eV)

60-Nd-142

MAT 6025

Total photon (eV-barns)
Cross Section

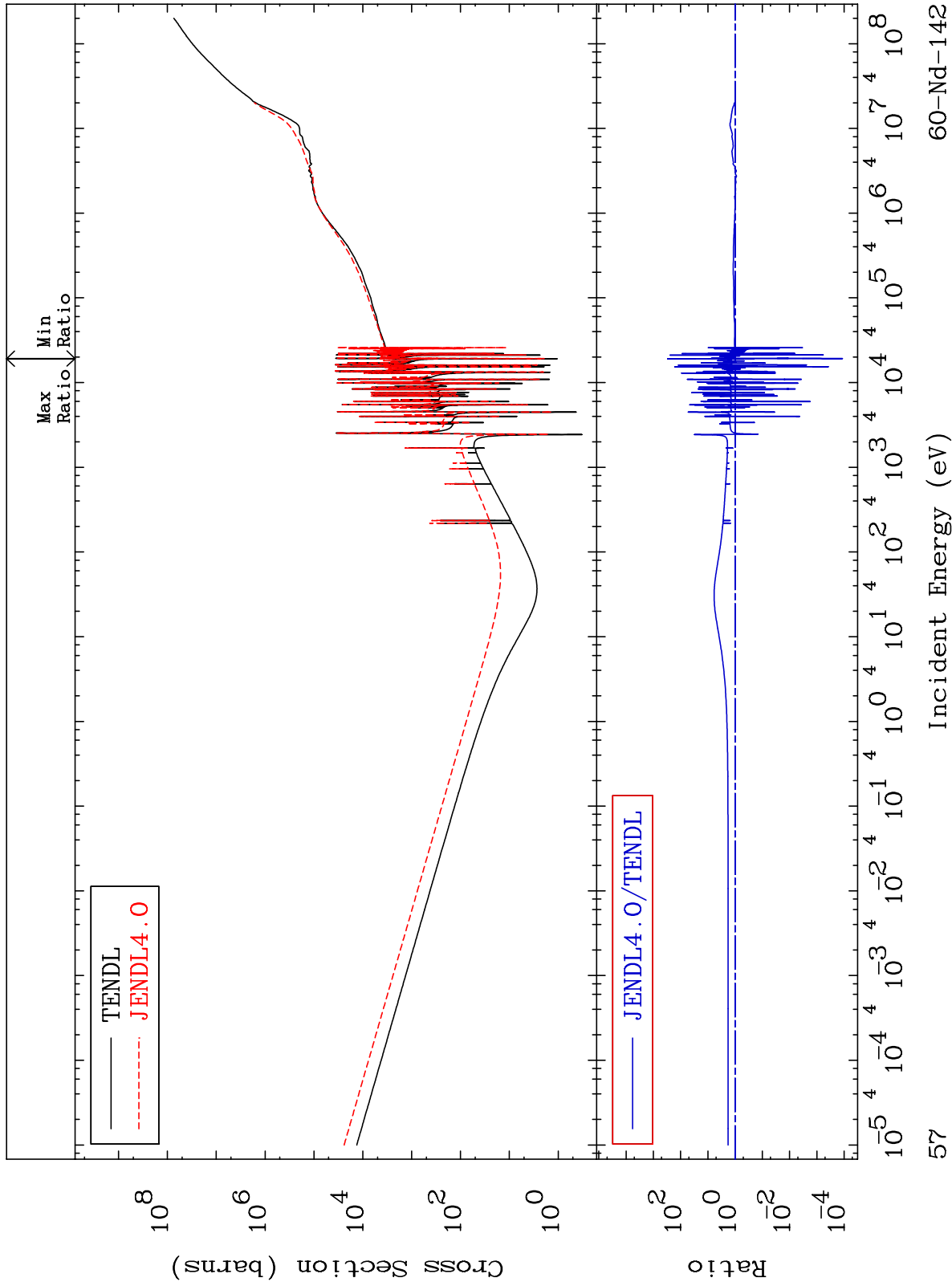
60-Nd-142
-99.98 To 9999. %



MAT 6025

Total kinematic kerma (high limit)
Cross Section

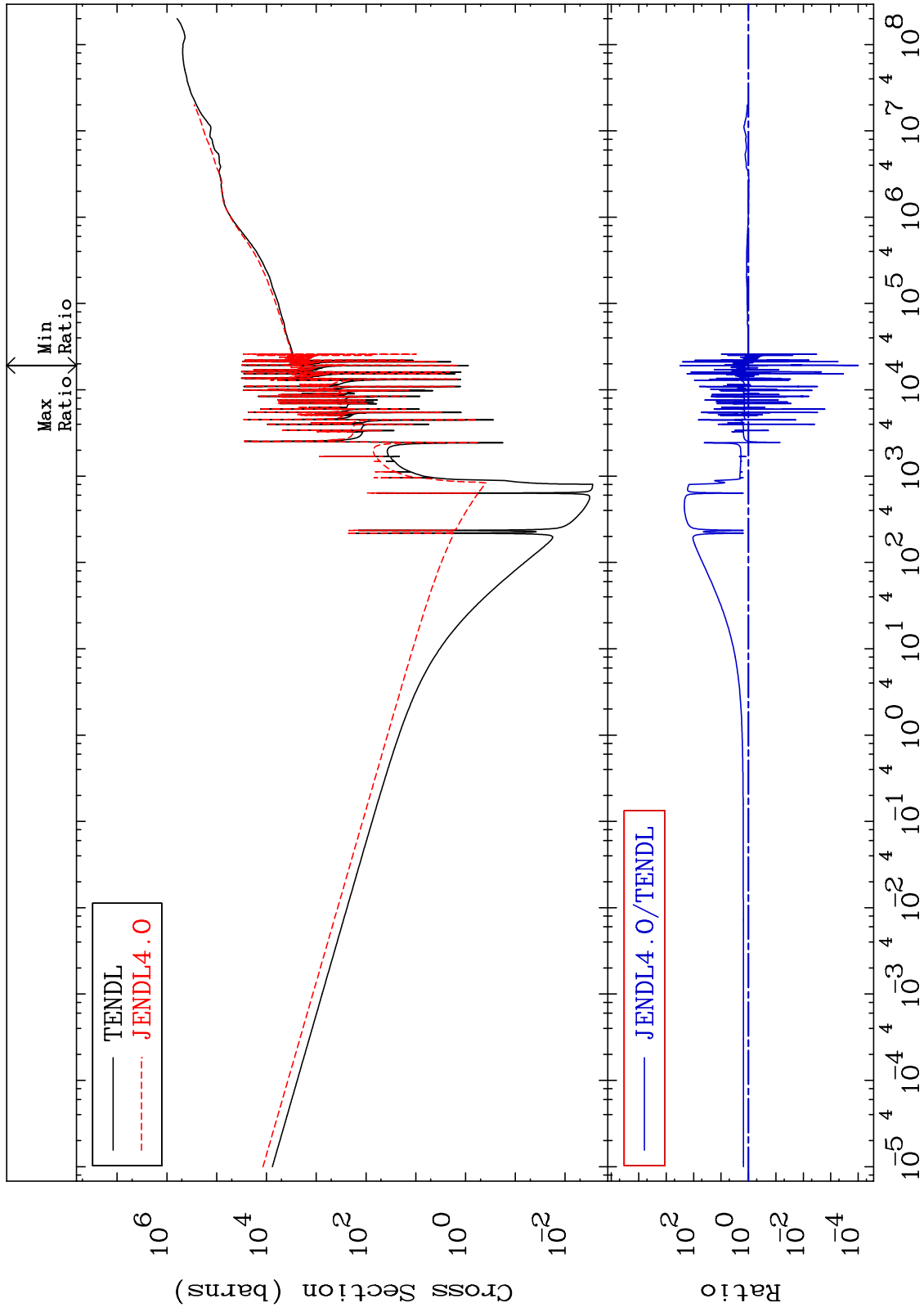
60-Nd-142
-99.99 To 9999. %



MAT 6025

Dpa total (eV-barns)
Cross Section

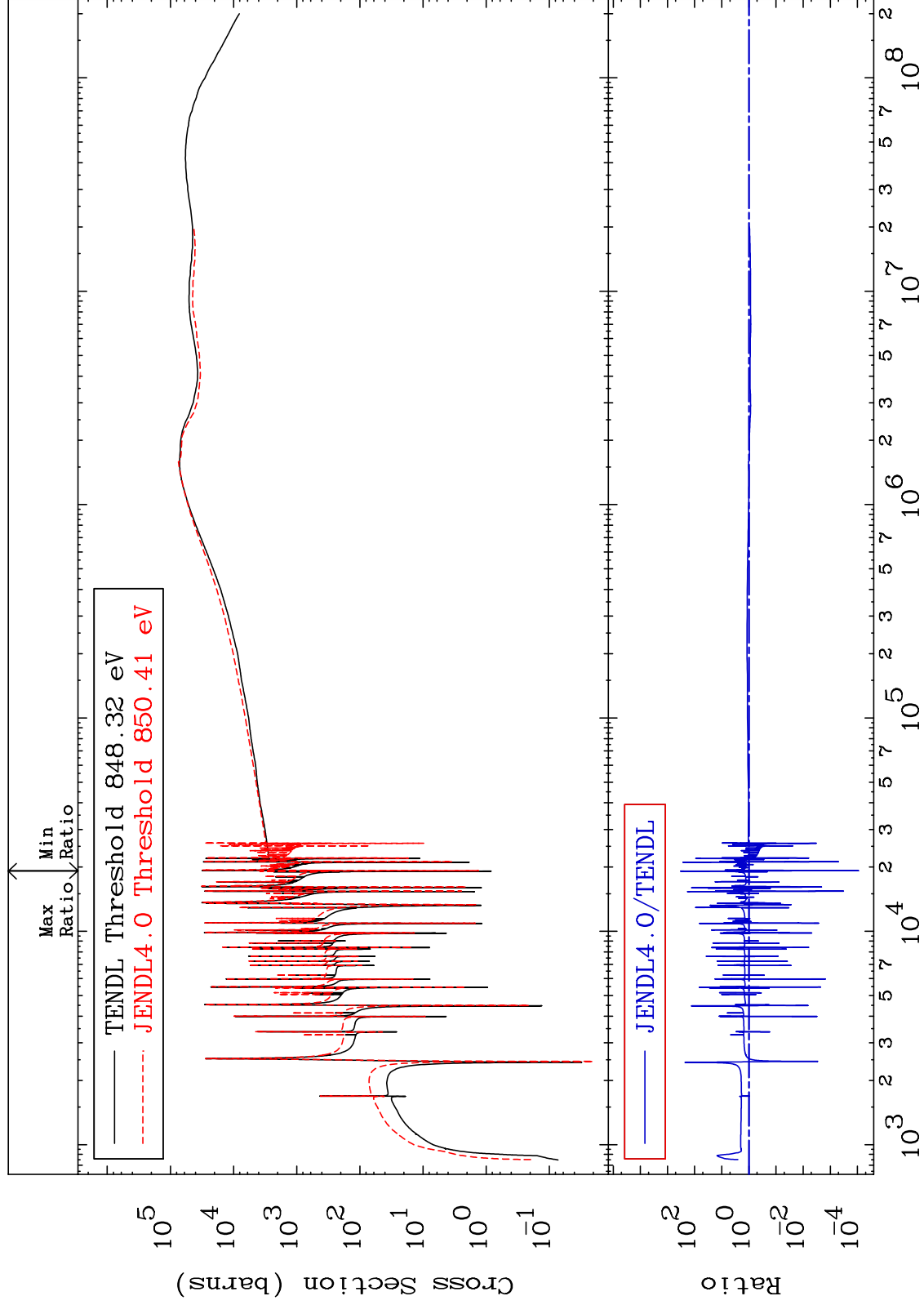
60-Nd-142
-99.99 To 9999. %



MAT 6025

Dpa elastic (mt2)
Cross Section

60-Nd-142
-99.99 To 9999. %



59

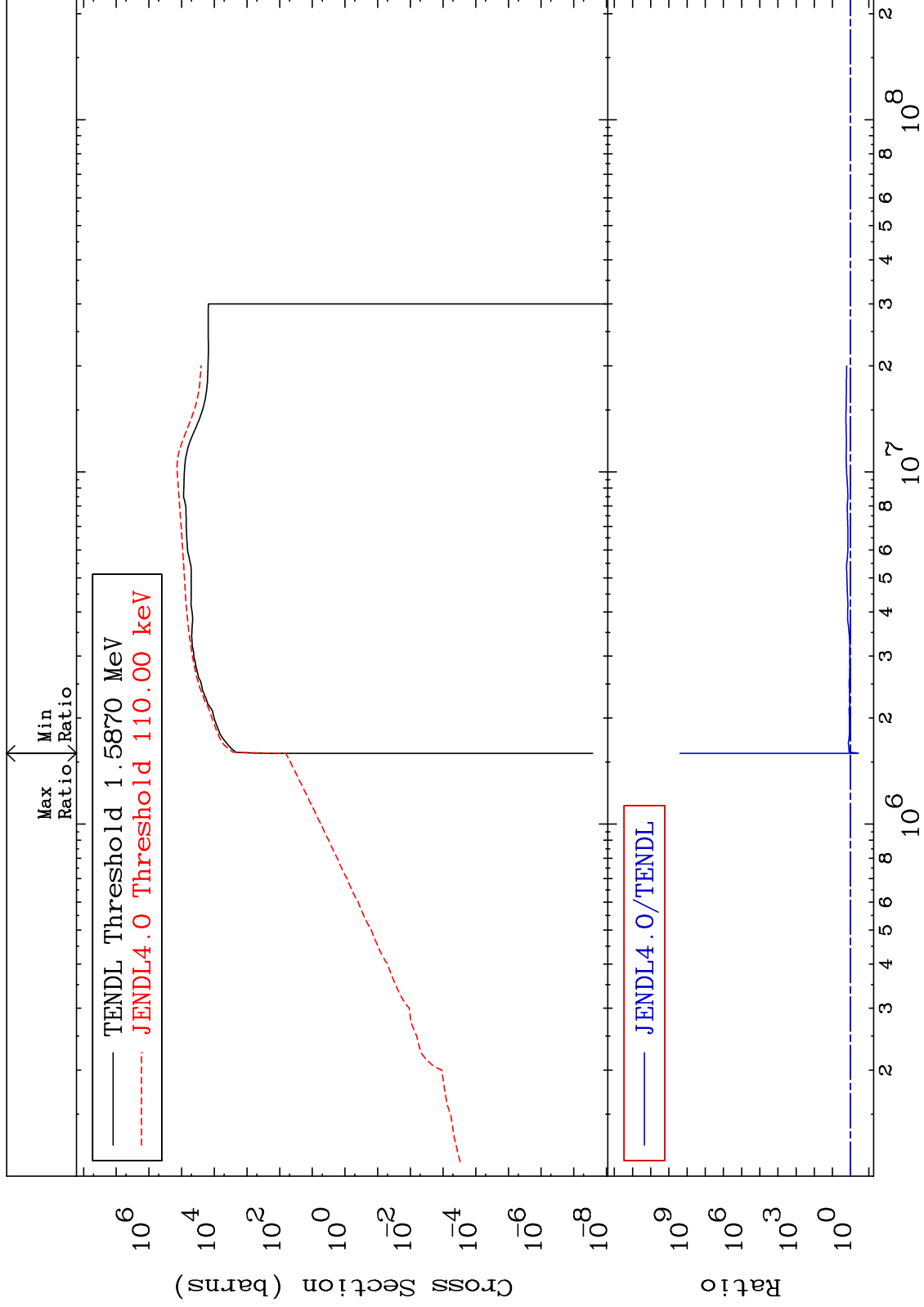
Incident Energy (eV)

60-Nd-142

MAT 6025

Dpa inelastic (mt51-91)
Cross Section

60-Nd-142
-62.80 To 9999. %



60

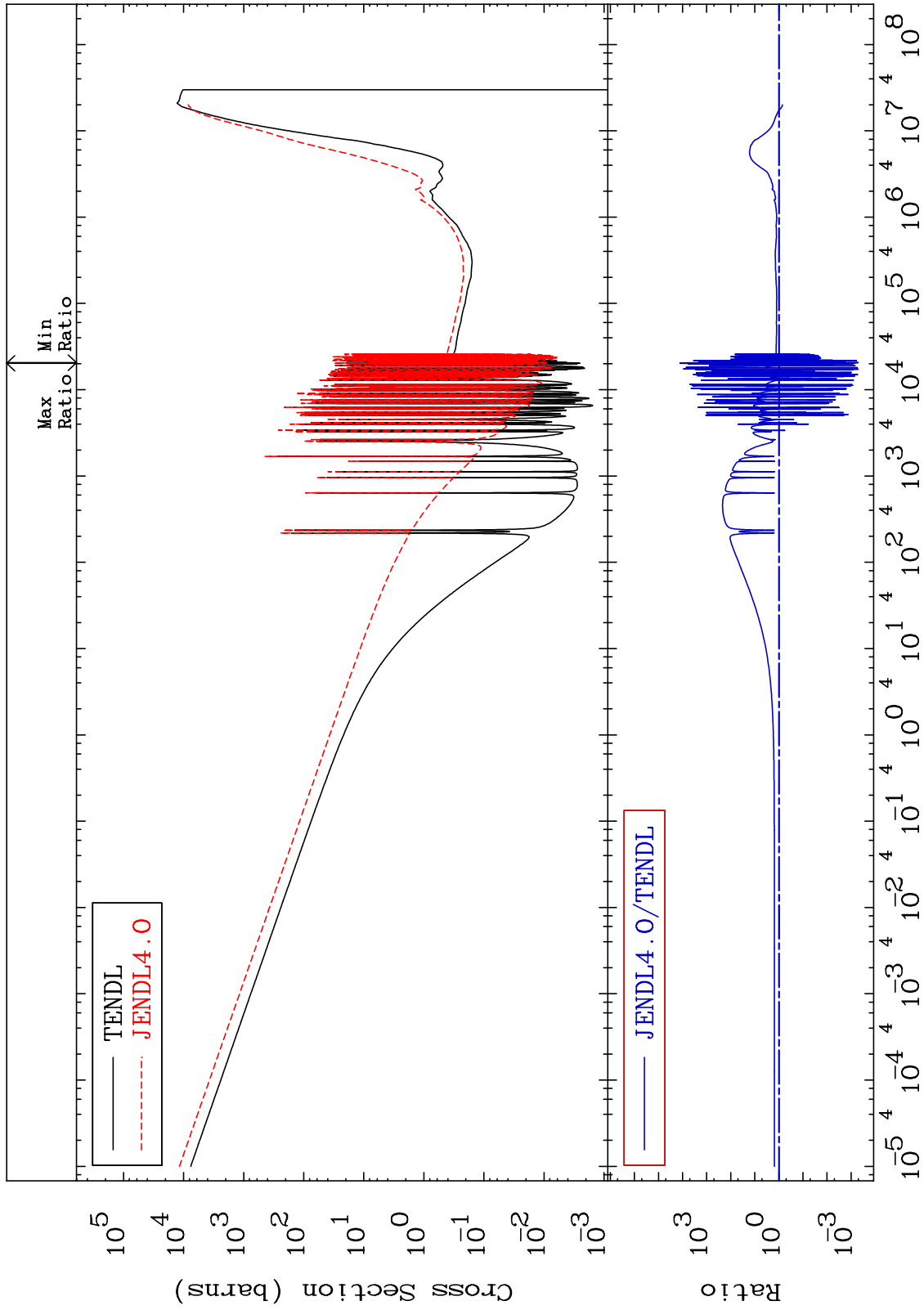
Incident Energy (eV)

60-Nd-142

MAT 6025

Dpa disappearance (mt102 -120)
Cross Section

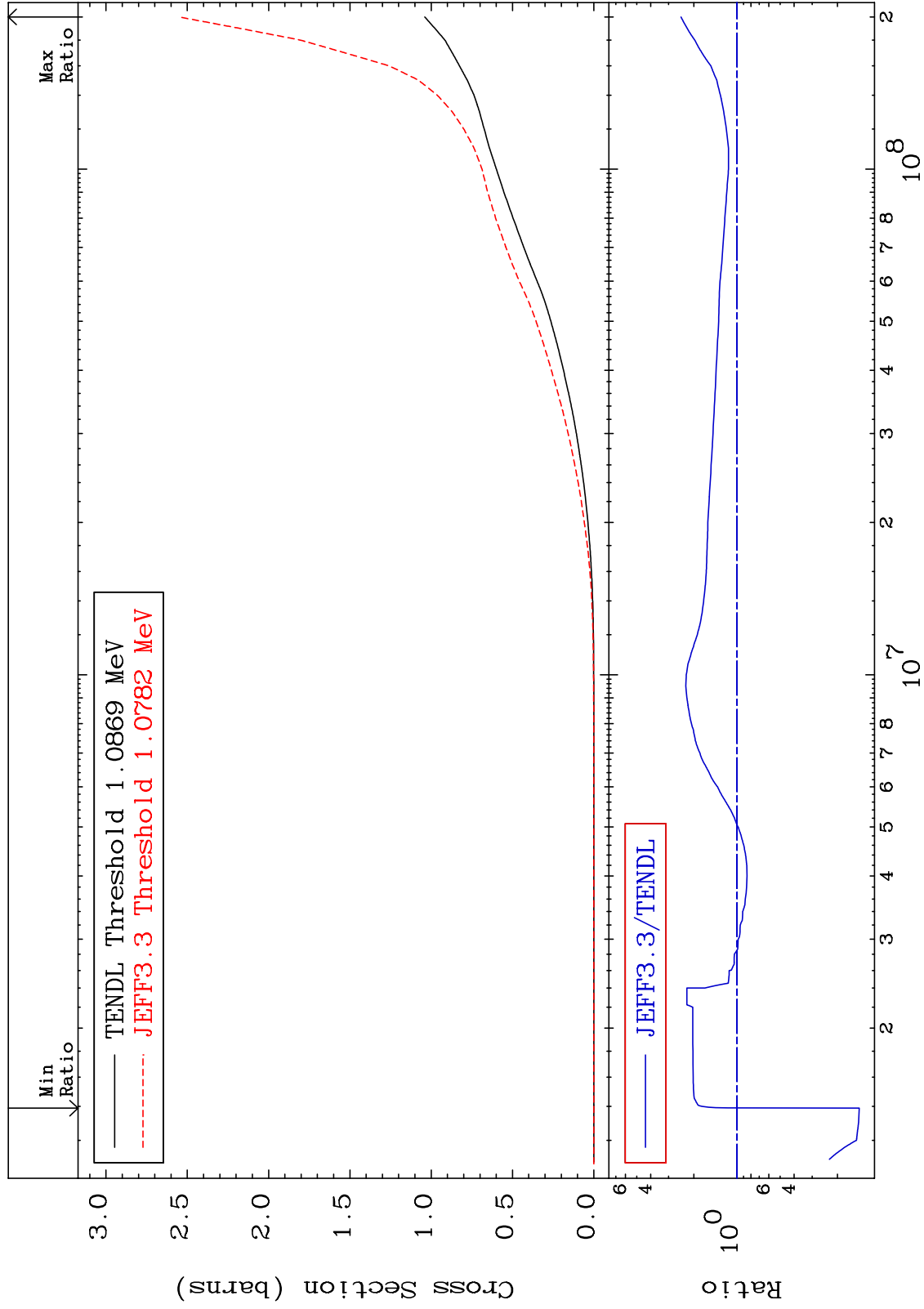
60-Nd-142
-99.95 To 9999. %



MAT 6025

Hydrogen Production
Cross Section

60-Nd-142
-85.94 To 145.6 %



62

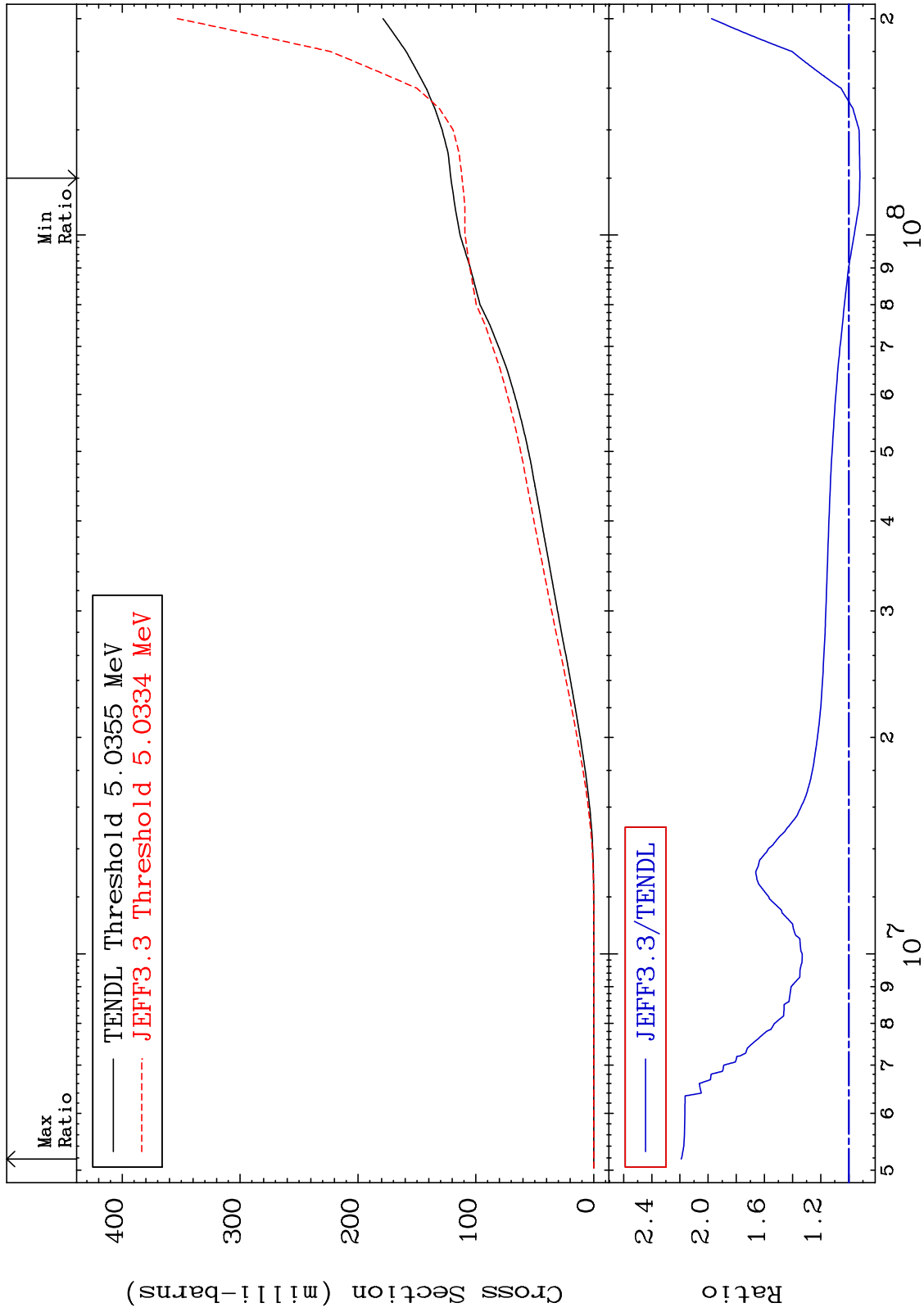
Incident Energy (eV)

60-Nd-142

MAT 6025

Deuterium Production
Cross Section

60-Nd-142
-7.863 To 119.1 %



63

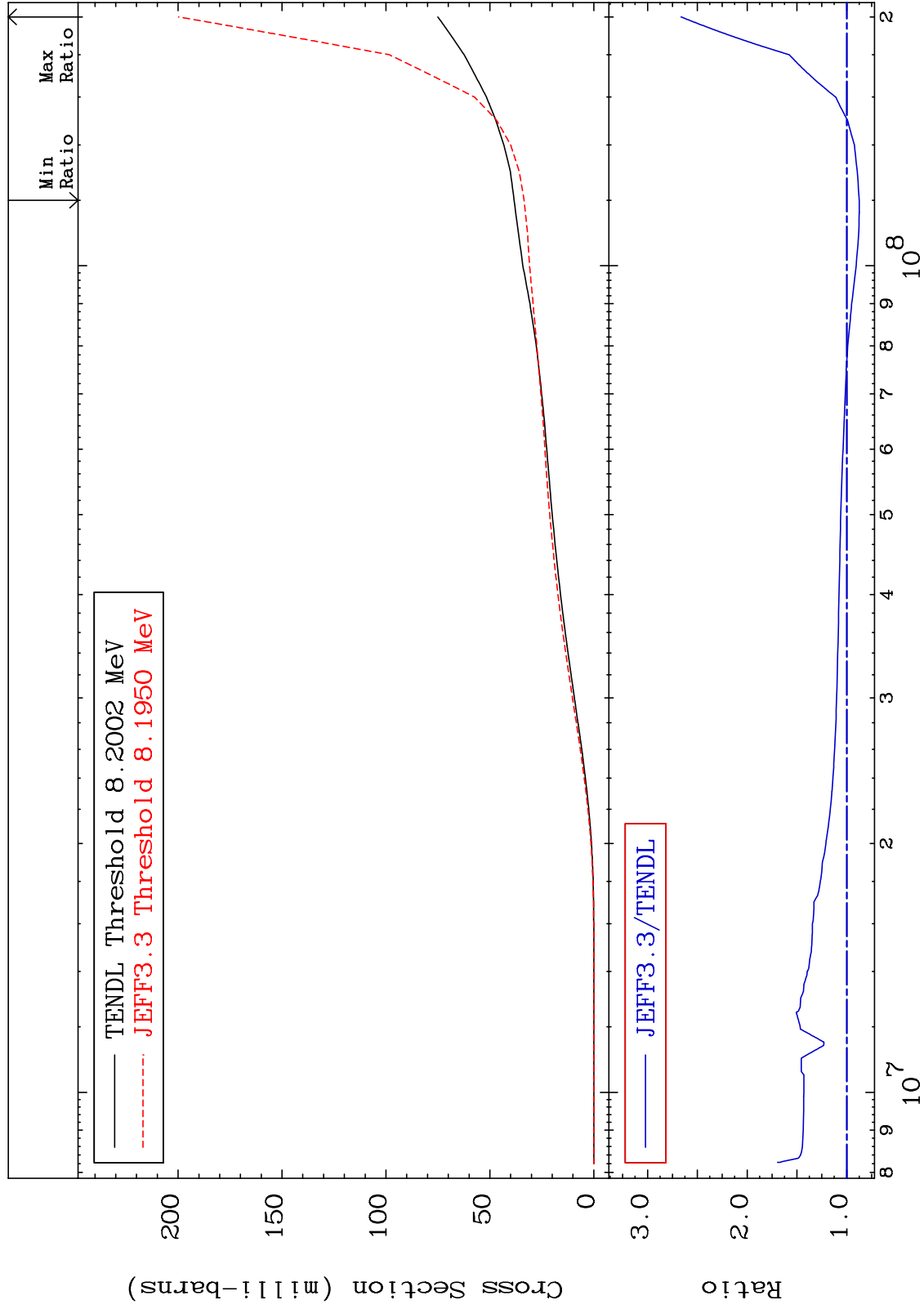
Incident Energy (eV)

60-Nd-142

MAT 6025

Tritium Production
Cross Section

60-Nd-142
-12.61 To 166.4 %



64

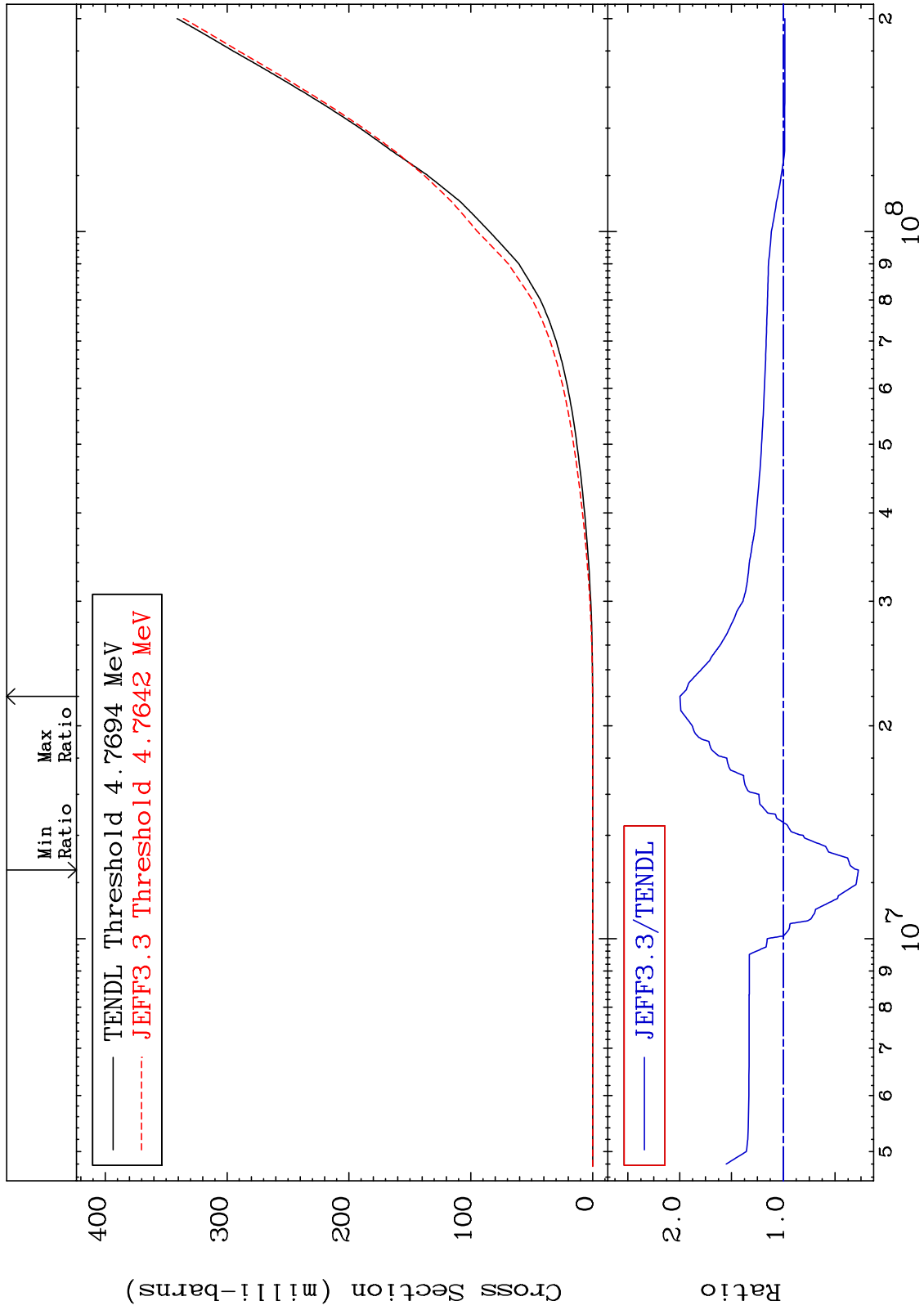
Incident Energy (eV)

60-Nd-142

MAT 6025

He-3 Production
Cross Section

60-Nd-142
-72.49 To 99.66 %



65

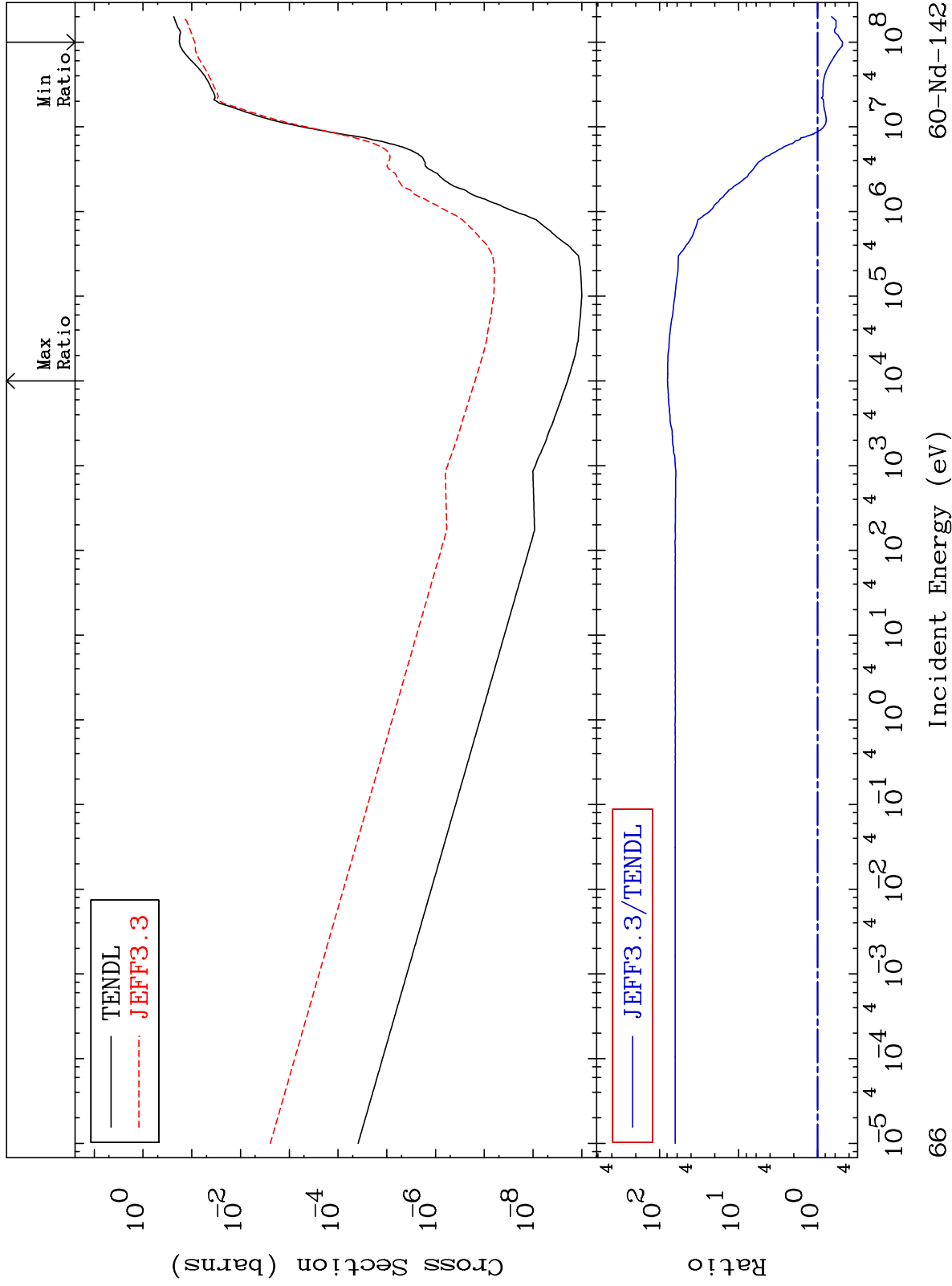
Incident Energy (eV)

60-Nd-142

MAT 6025

He-4 Production
Cross Section

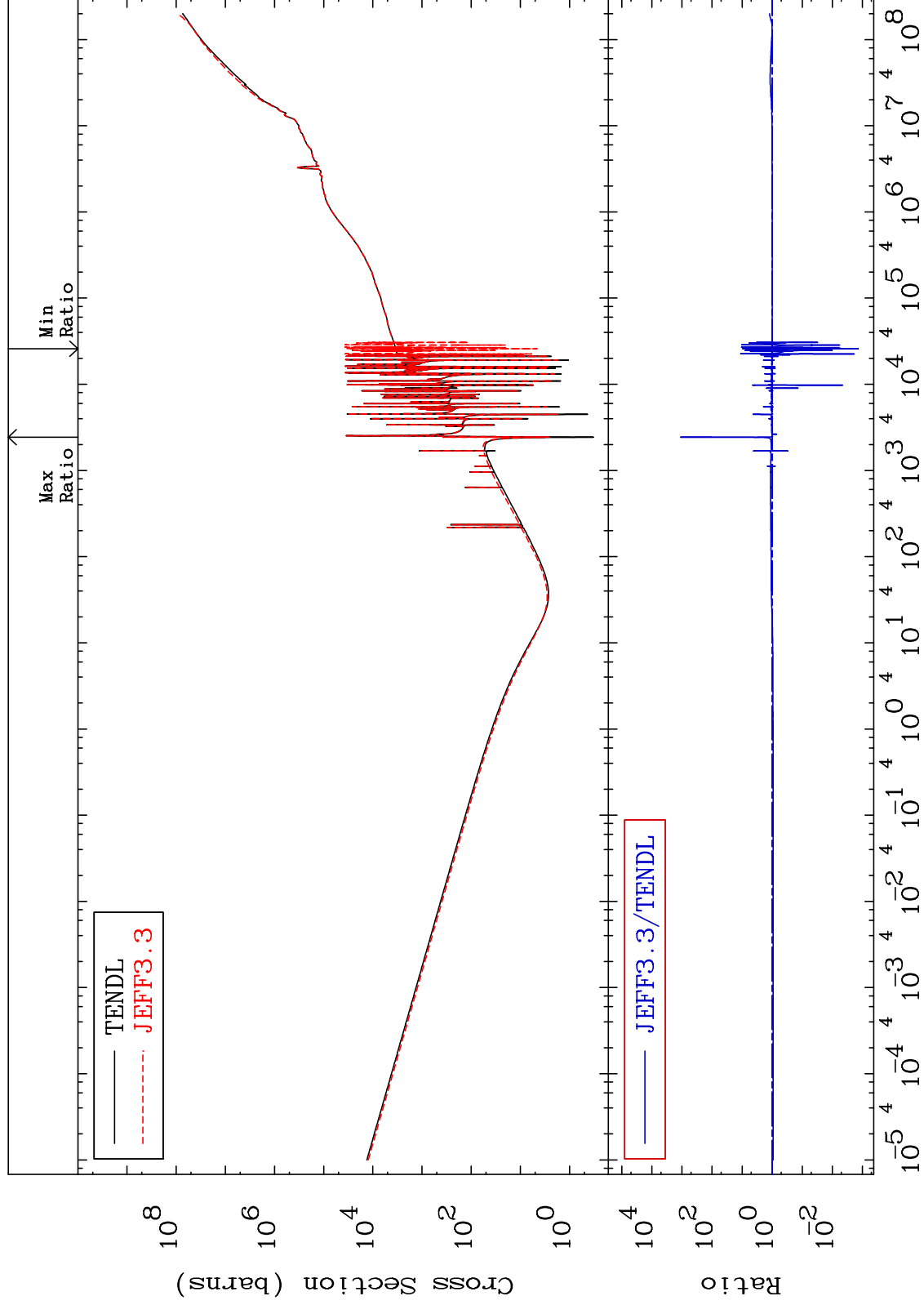
60-Nd-142
-51.85 To 7808. %



MAT 6025

Kerma total (eV-barns)
Cross Section

60-Nd-142
-99.87 To 9999. %



67

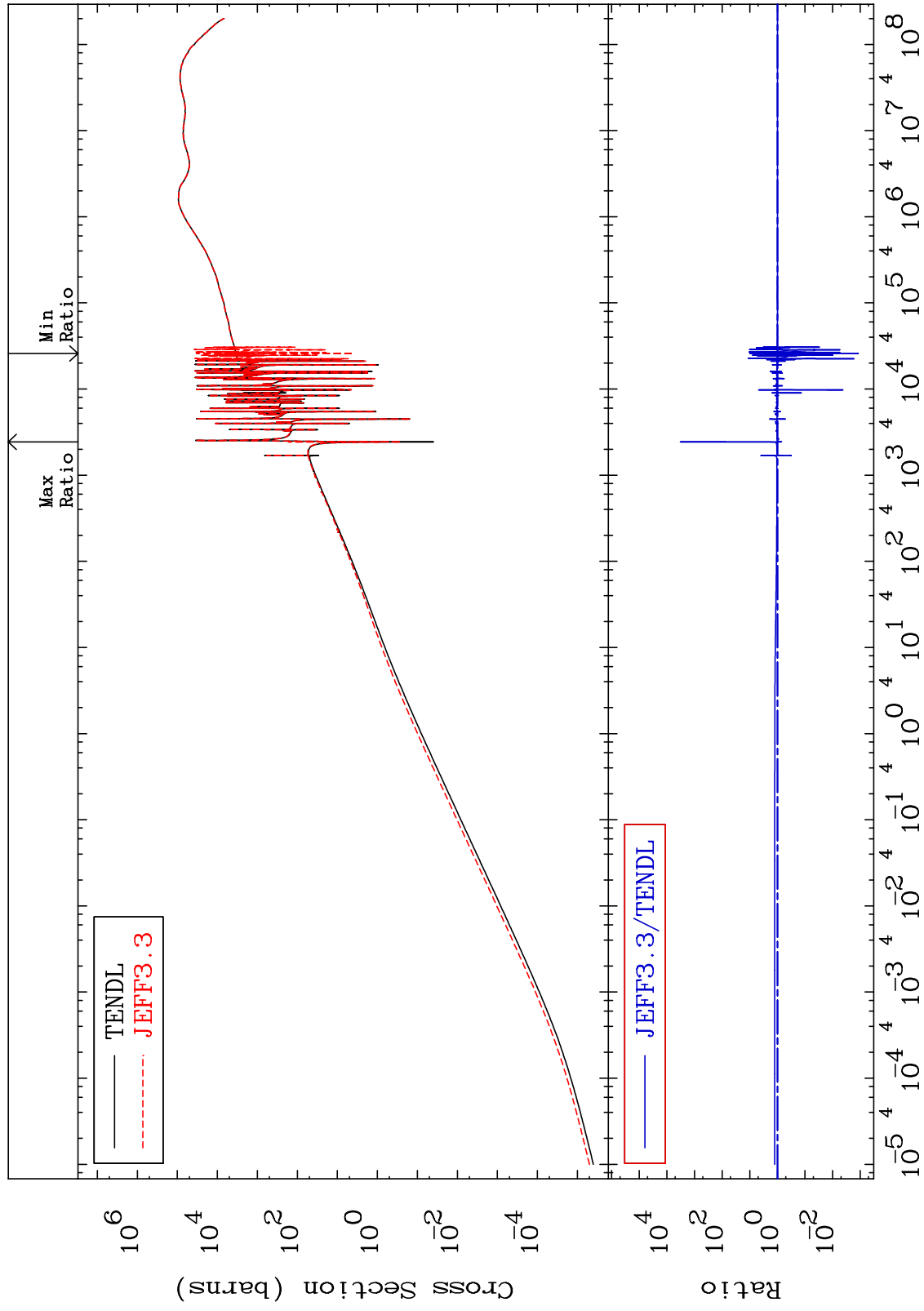
Incident Energy (eV)

60-Nd-142

MAT 6025

Kerma elastic
Cross Section

60-Nd-142
-99.88 To 9999. %



68

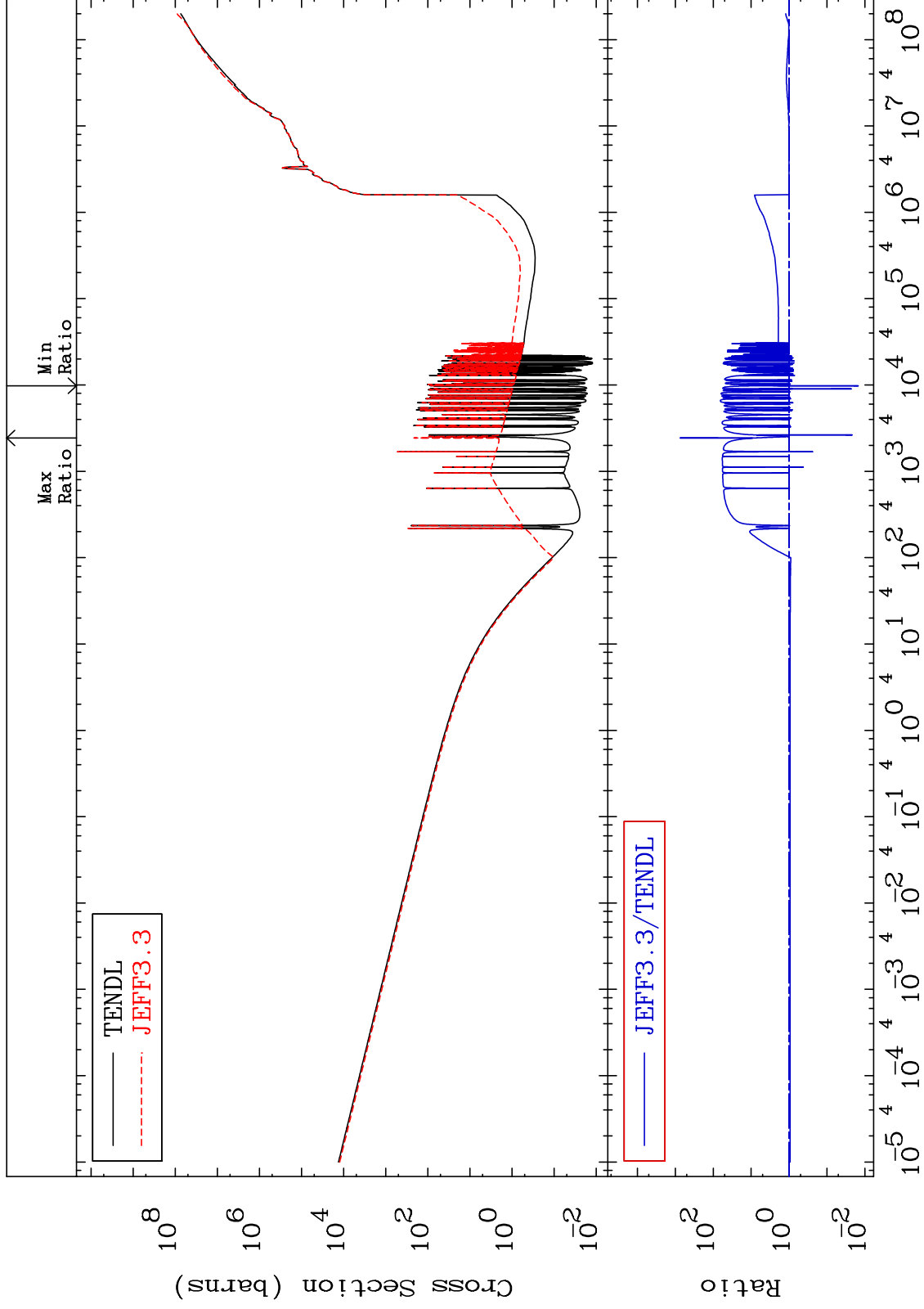
Incident Energy (eV)

60-Nd-142

MAT 6025

Kerma non-elastic (all but mt2)
Cross Section

60-Nd-142
-98.52 To 9999. %



69

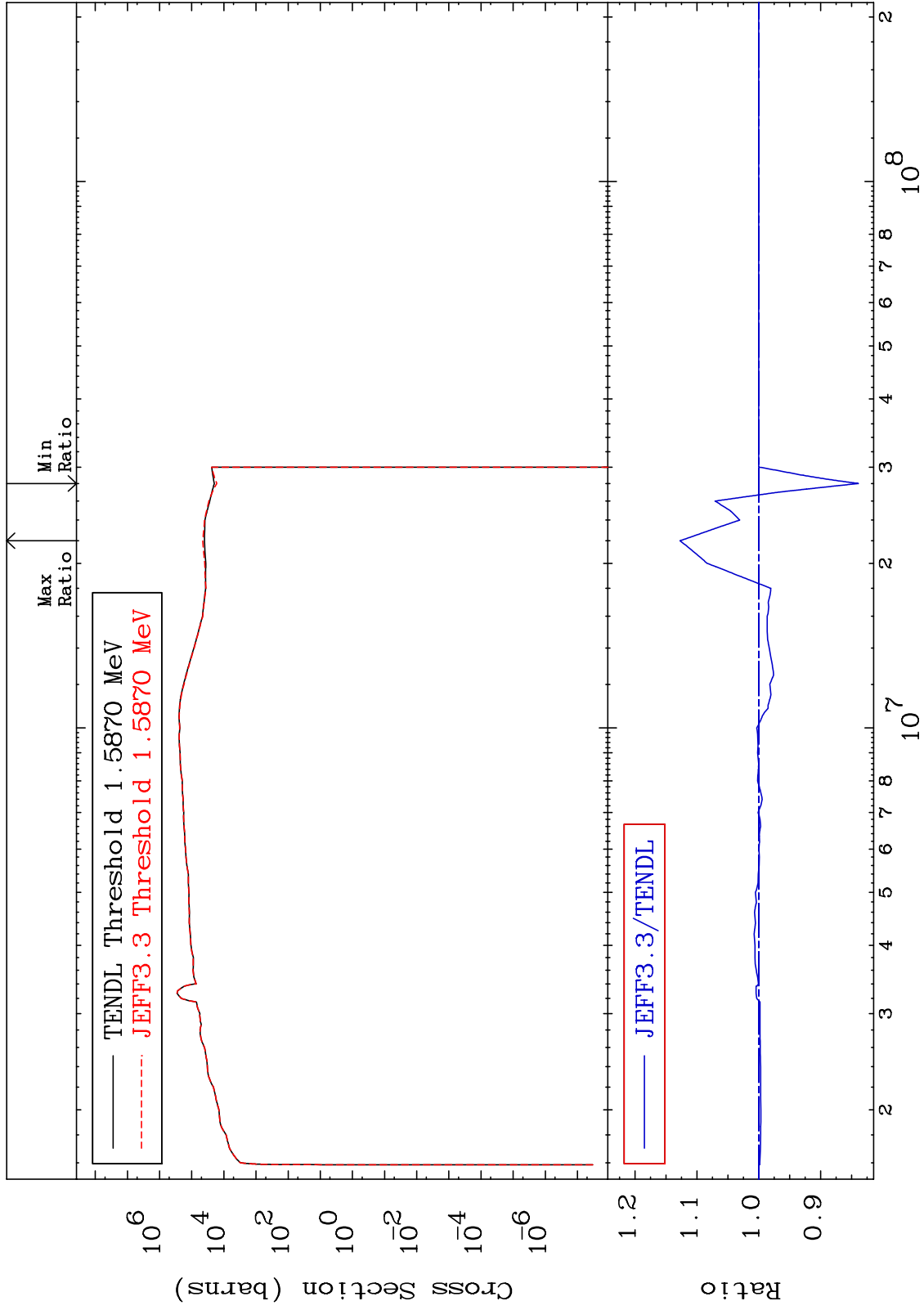
Incident Energy (eV)

60-Nd-142

MAT 6025

Kerma inelastic (mt51-91)
Cross Section

60-Nd-142
-16.11 To 12.74 %



70

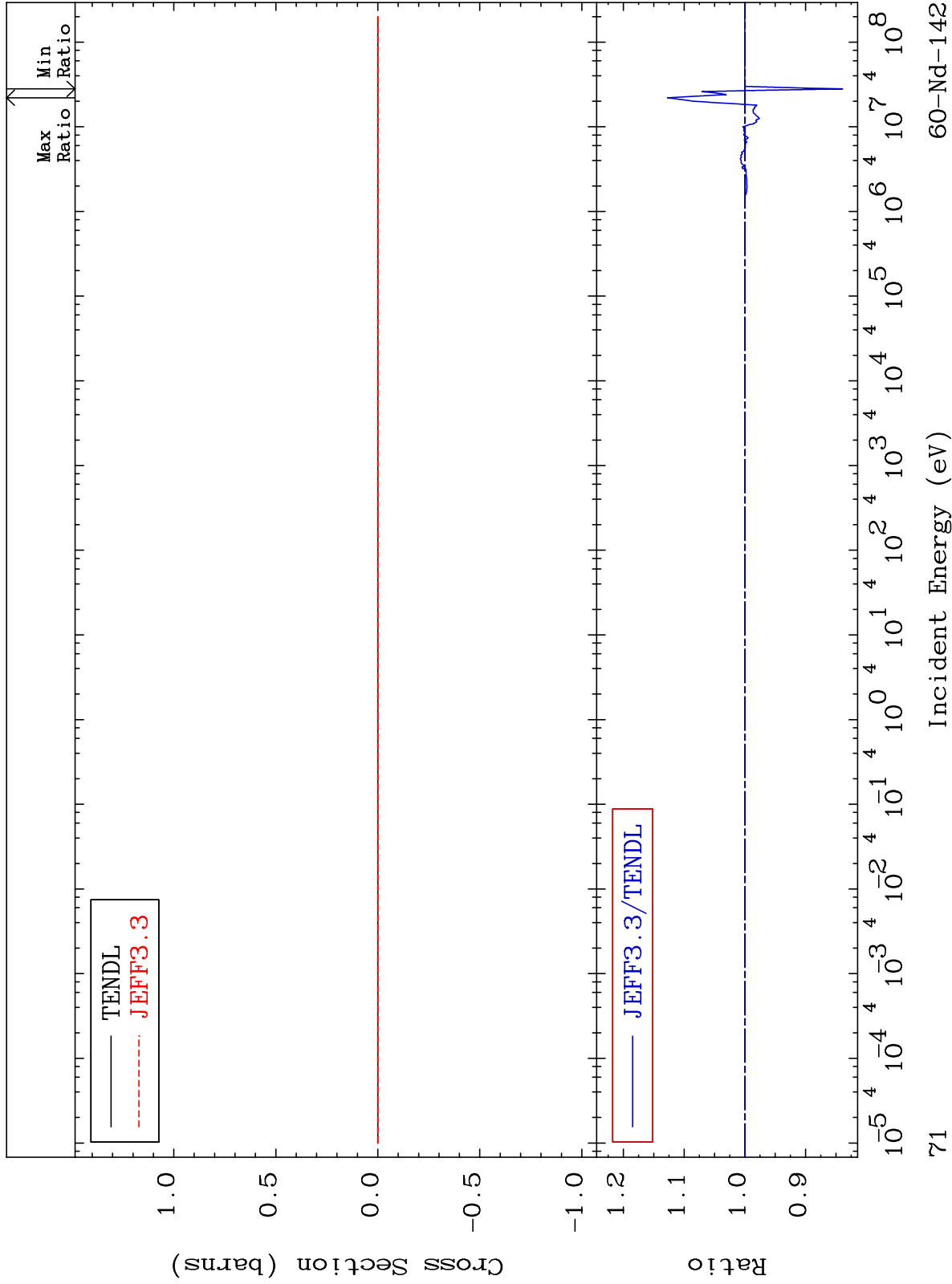
Incident Energy (eV)

60-Nd-142

MAT 6025

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

60-Nd-142
-16.11 To 12.74 %



71

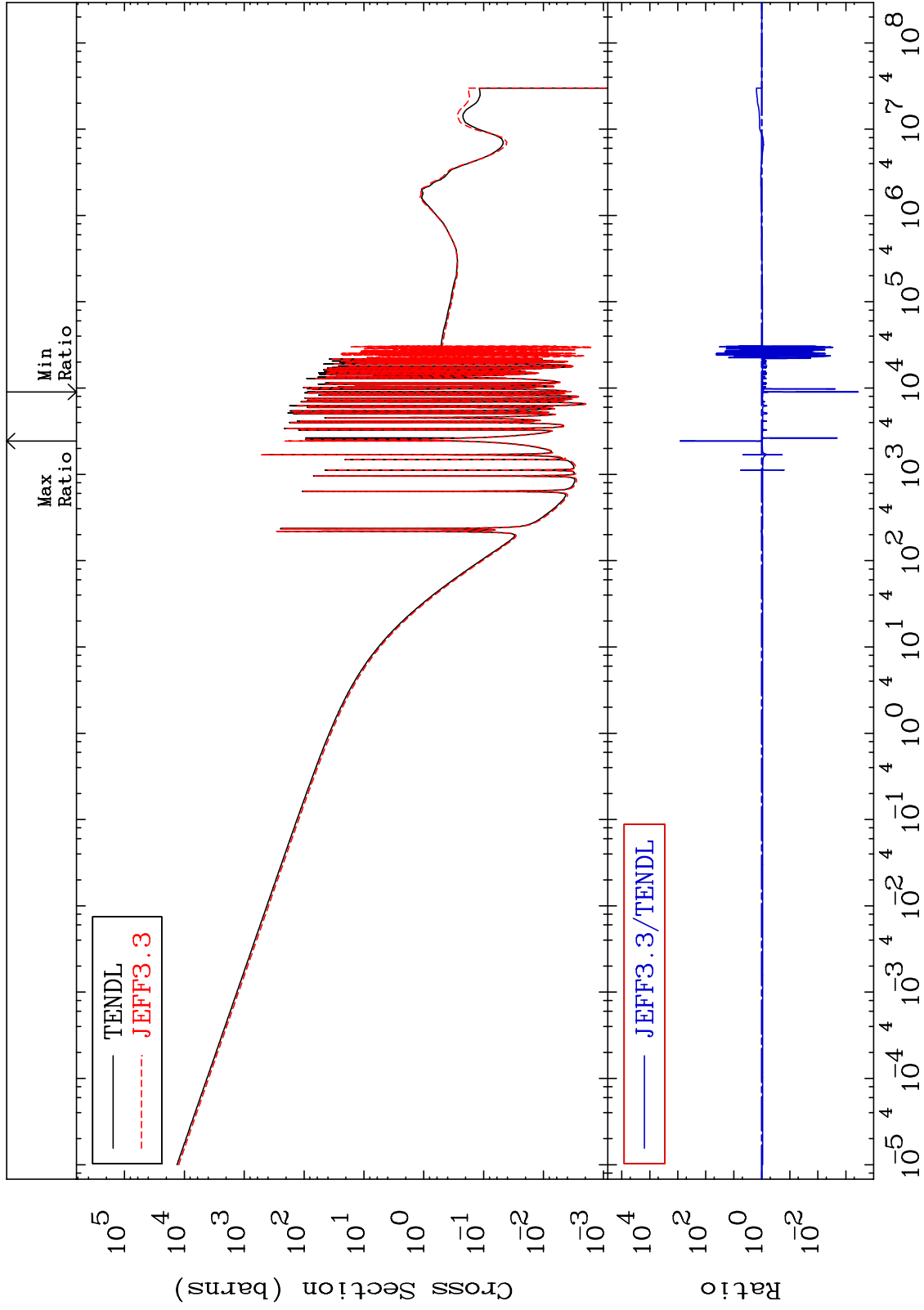
Incident Energy (eV)

60-Nd-142

MAT 6025

Kerma capture (mt102)
Cross Section

60-Nd-142
-99.96 To 9999. %



72

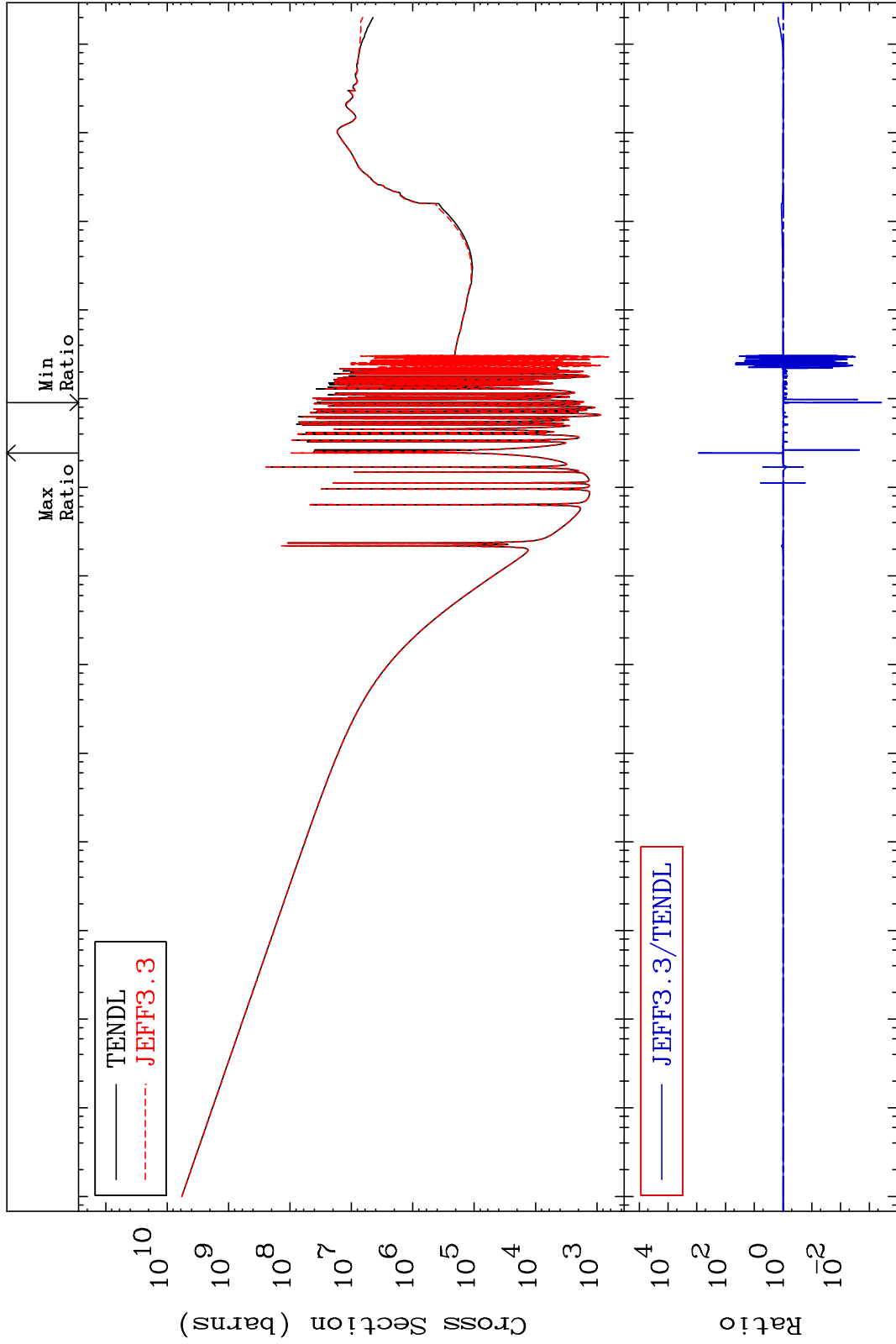
Incident Energy (eV)

60-Nd-142

MAT 6025

Total photon (eV-barns)
Cross Section

60-Nd-142
-99.96 To 9999. %



73

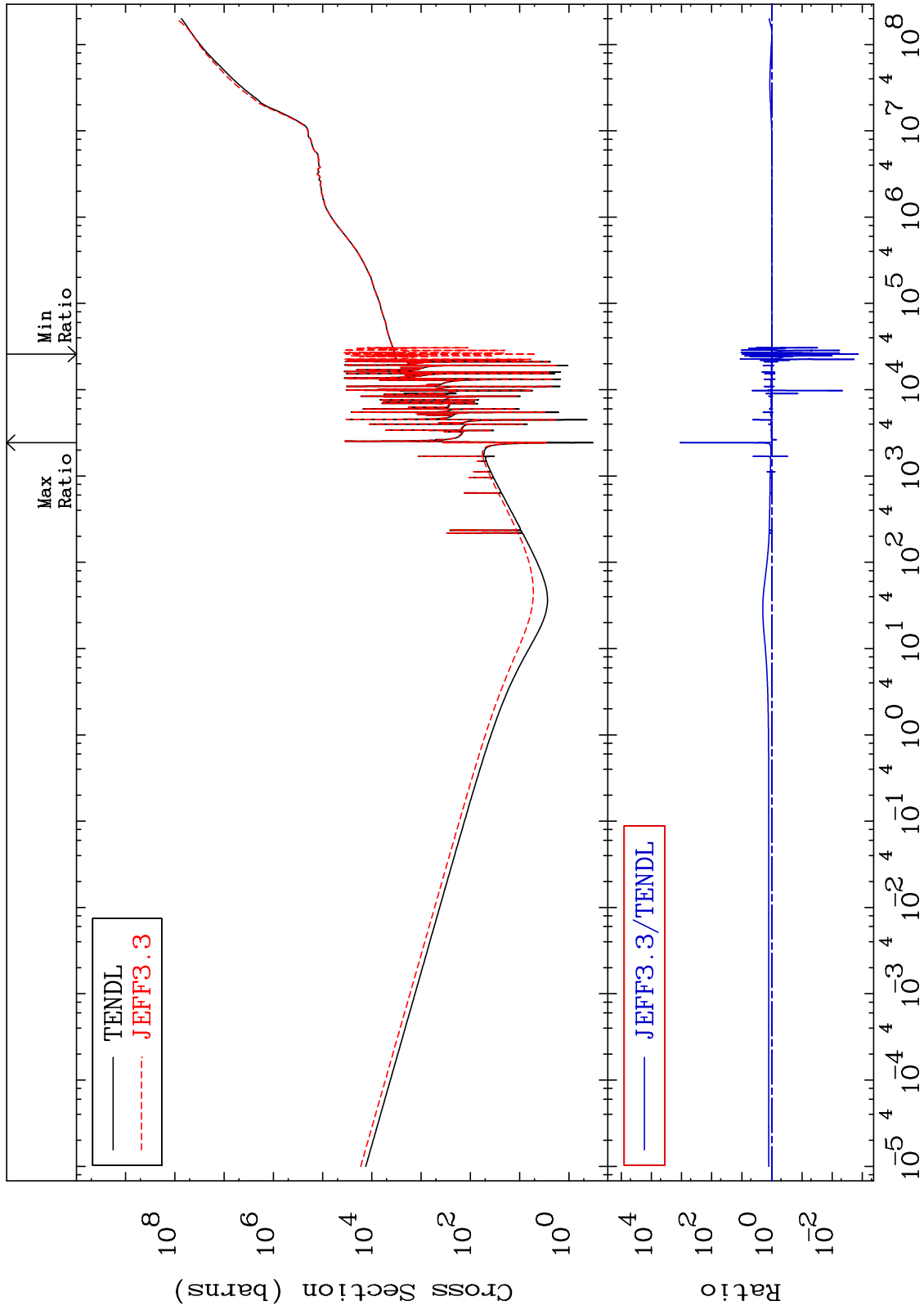
Incident Energy (eV)

60-Nd-142

MAT 6025

Total kinematic kerma (high limit)
Cross Section

60-Nd-142
-99.87 To 9999. %



74

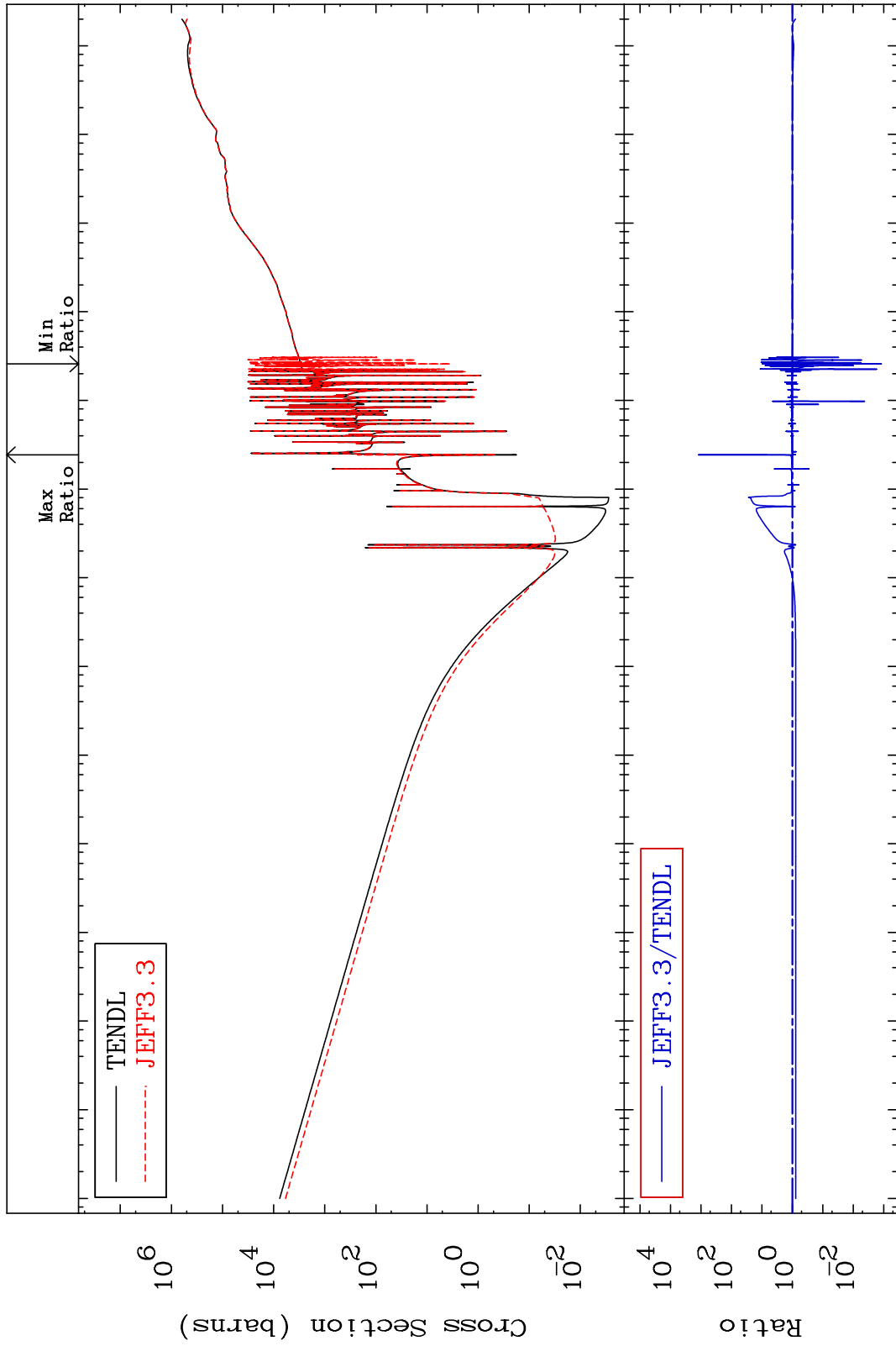
Incident Energy (eV)

60-Nd-142

MAT 6025

Dpa total (eV-barns)
Cross Section

60-Nd-142
-99.88 To 9999. %



75

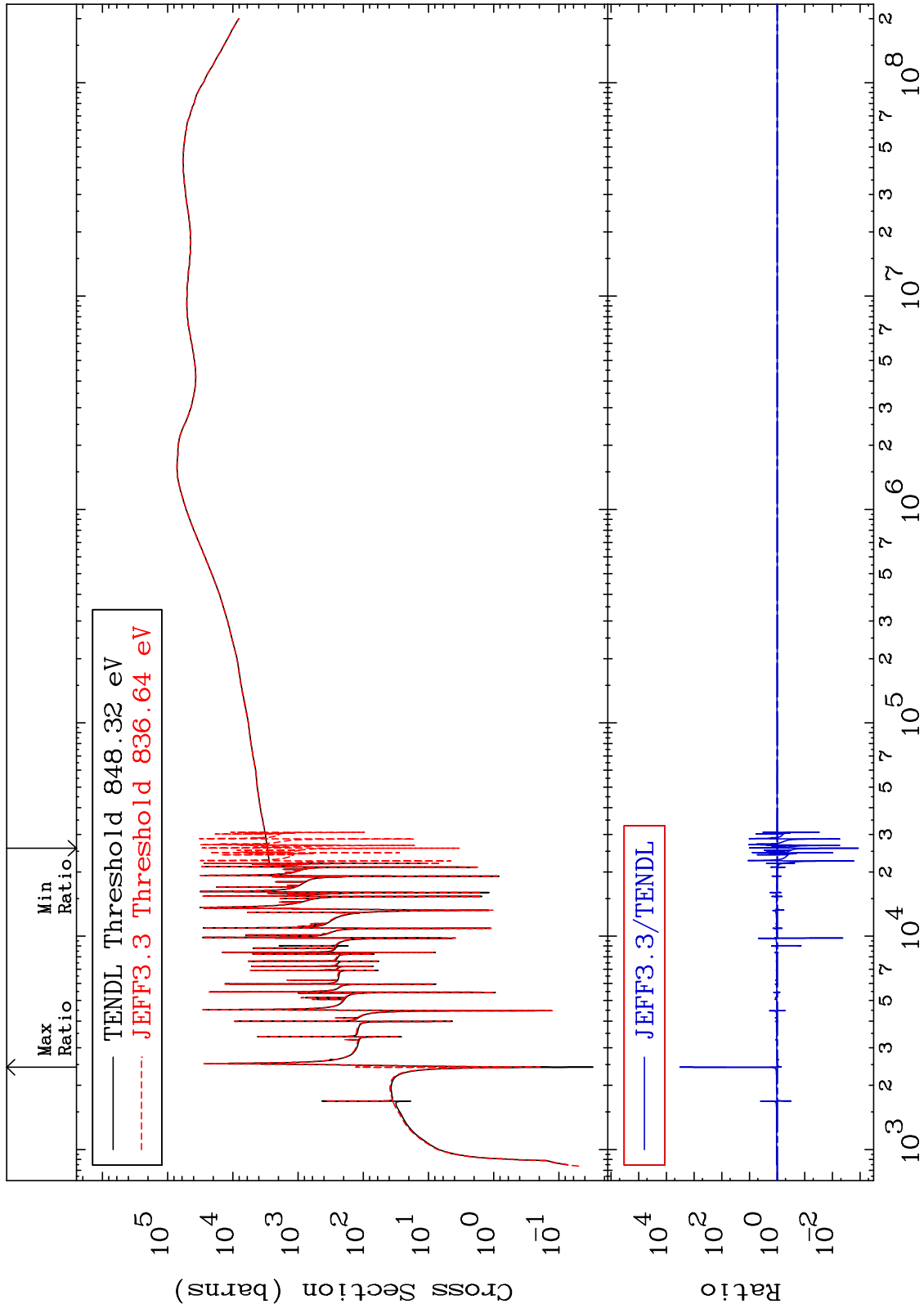
Incident Energy (eV)

60-Nd-142

MAT 6025

Dpa elastic (mt2)
Cross Section

60-Nd-142
-99.88 To 9999. %



76

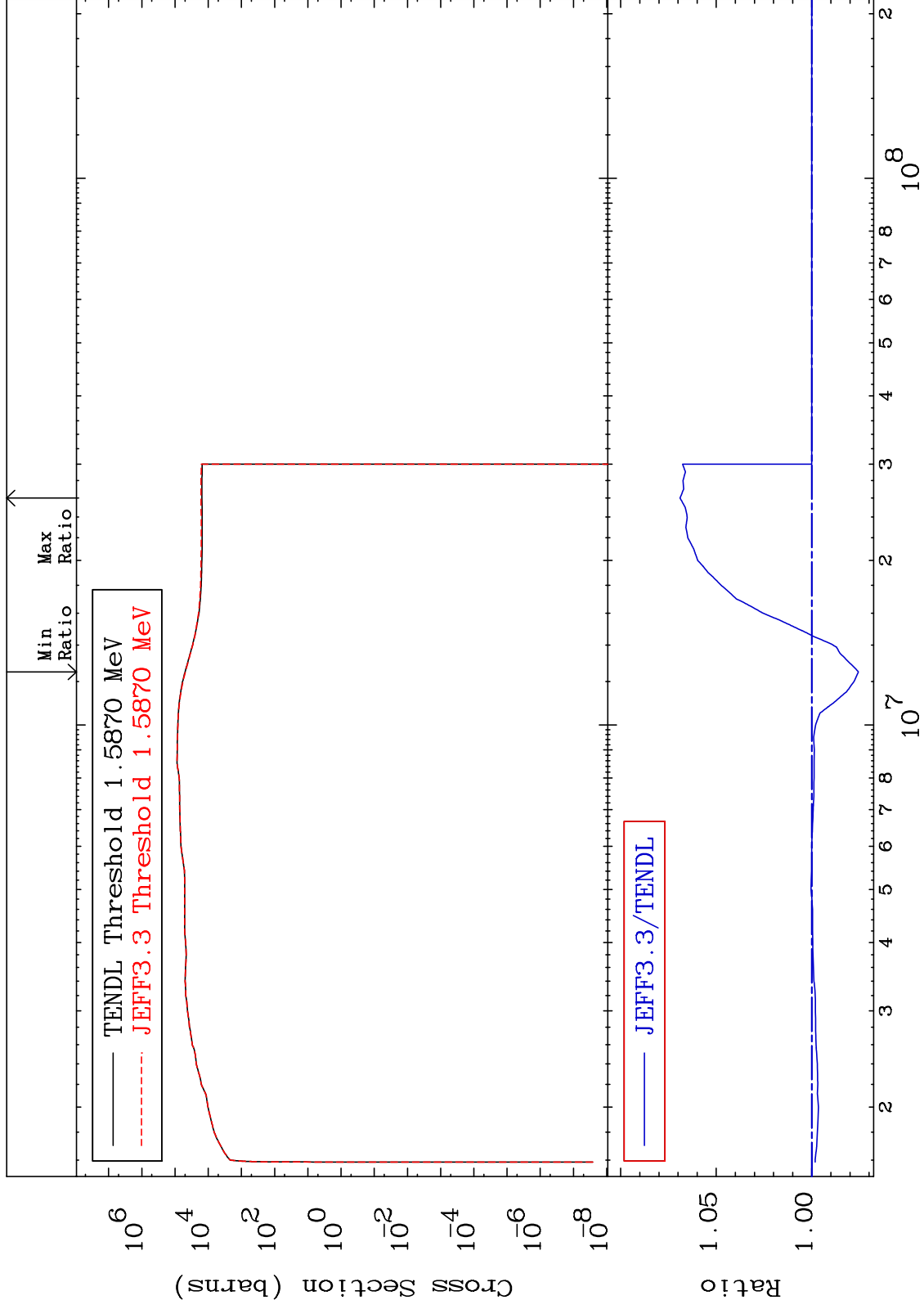
Incident Energy (eV)

60-Nd-142

MAT 6025

Dpa inelastic (mt51-91)
Cross Section

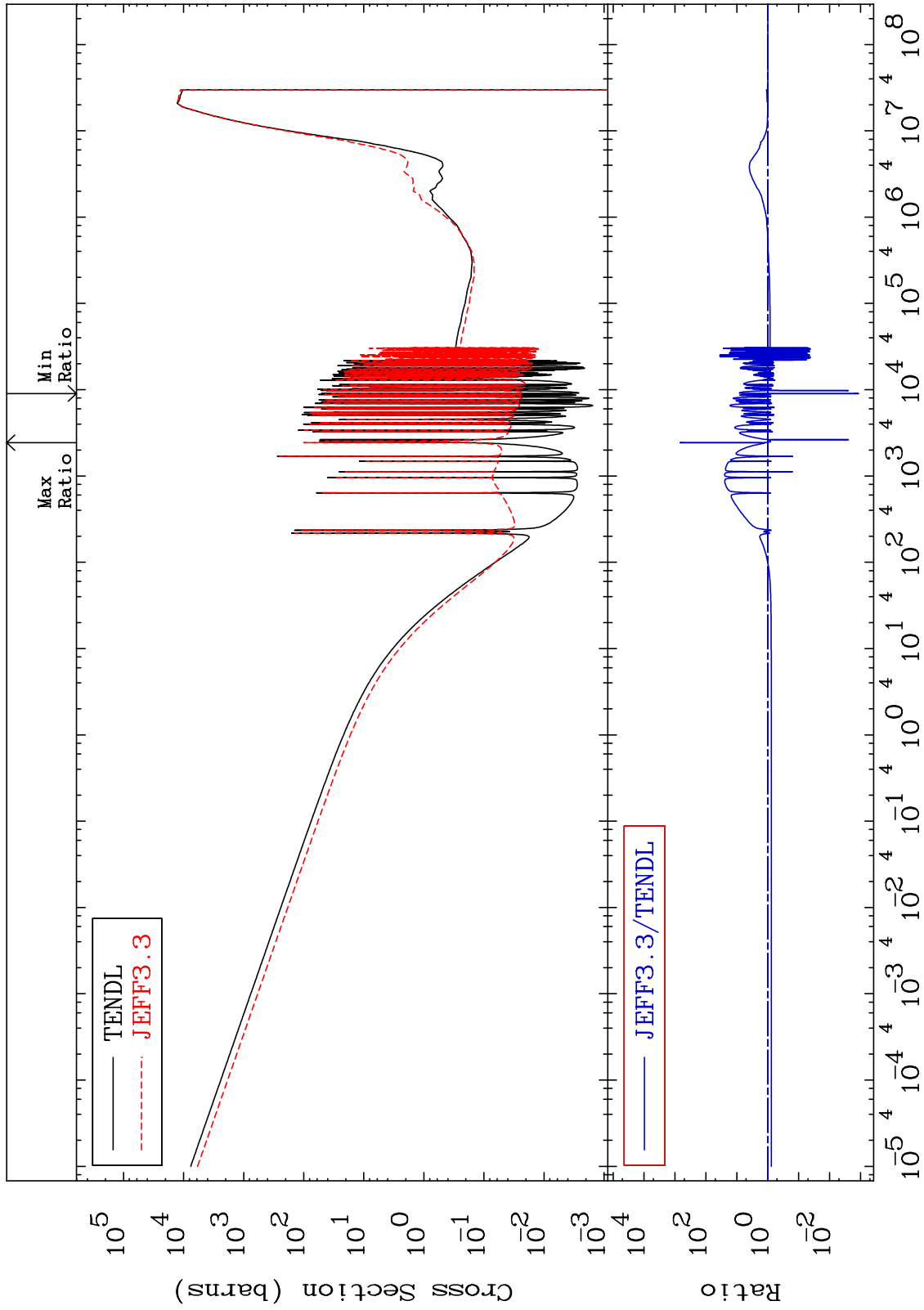
60-Nd-142
-2.440 To 6.895 %



MAT 6025

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-142
-99.88 To 9999. %



78

Incident Energy (eV)

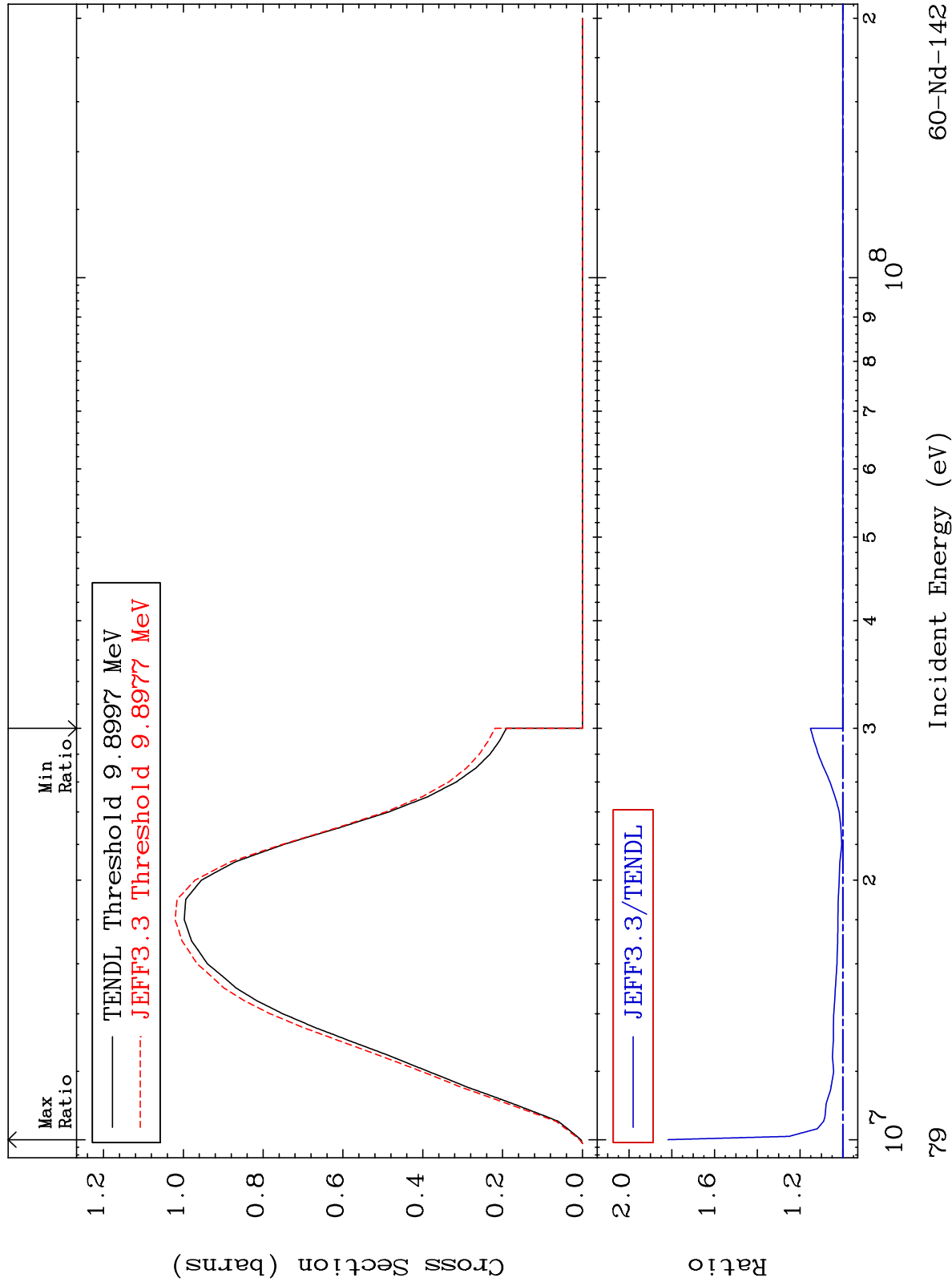
60-Nd-142

MAT 6025

(n,2n):60-Nd-141g

60-Nd-142

Radionuclide Production Cross Section 0.000 To 81.78 %

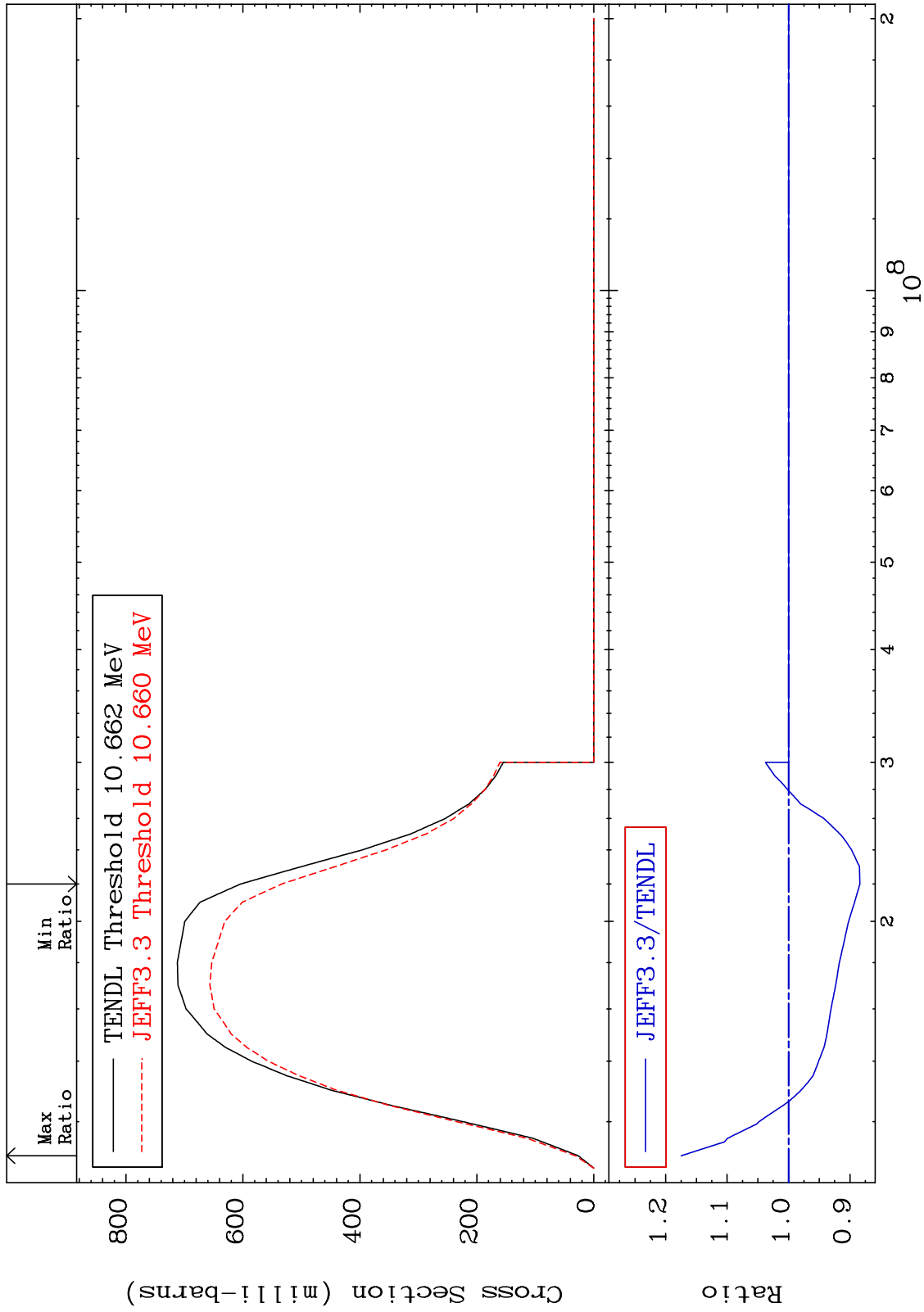


MAT 6025

(n,2n): 60-Nd-141m2

60-Nd-142

Radionuclide Production Cross Section -11.62 To 17.47 %



80

Incident Energy (eV)

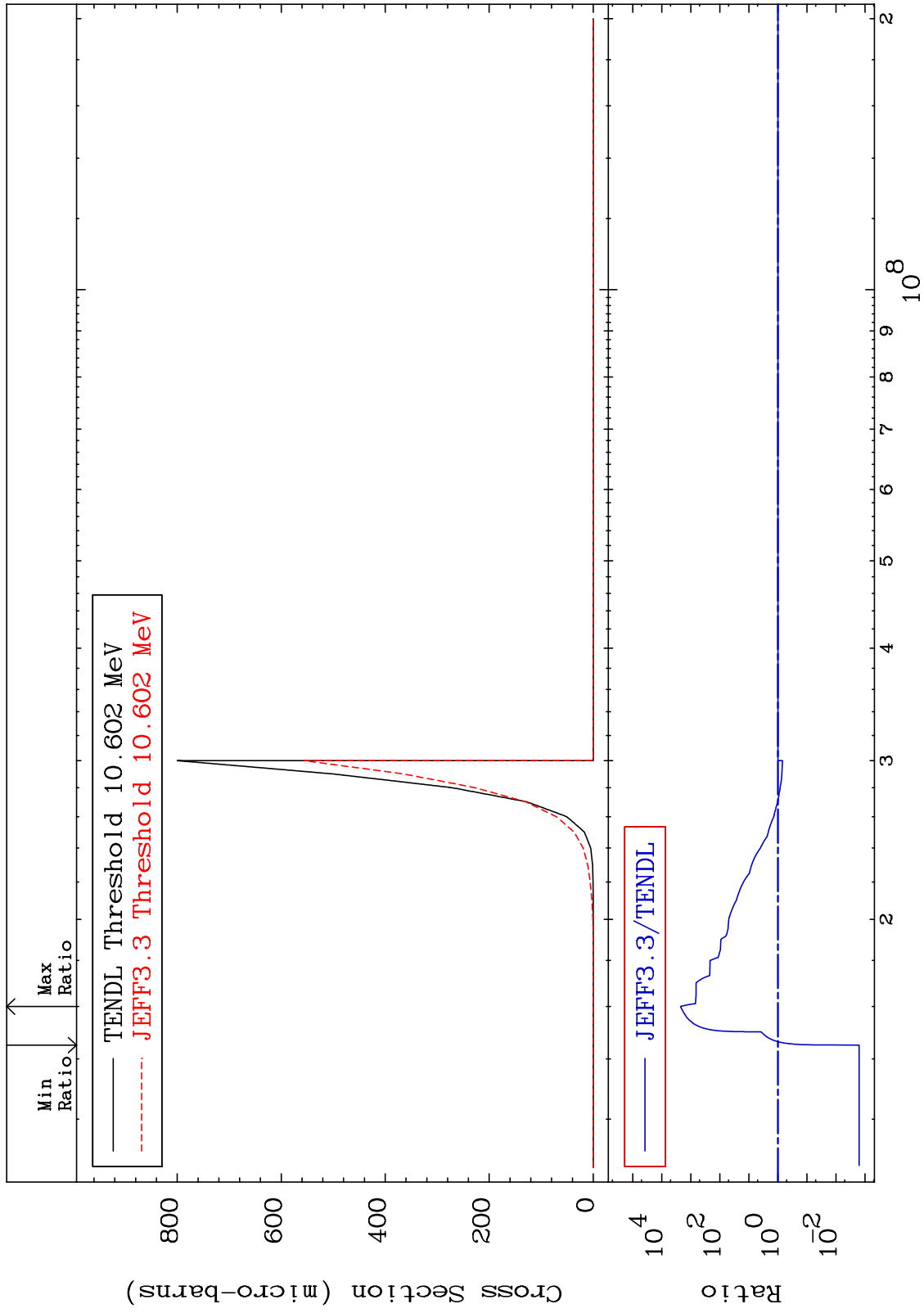
60-Nd-142

MAT 6025

(n,2n) α :58-Ce-137g

60-Nd-142

Radionuclide Production Cross Section -99.84 To 9999. %

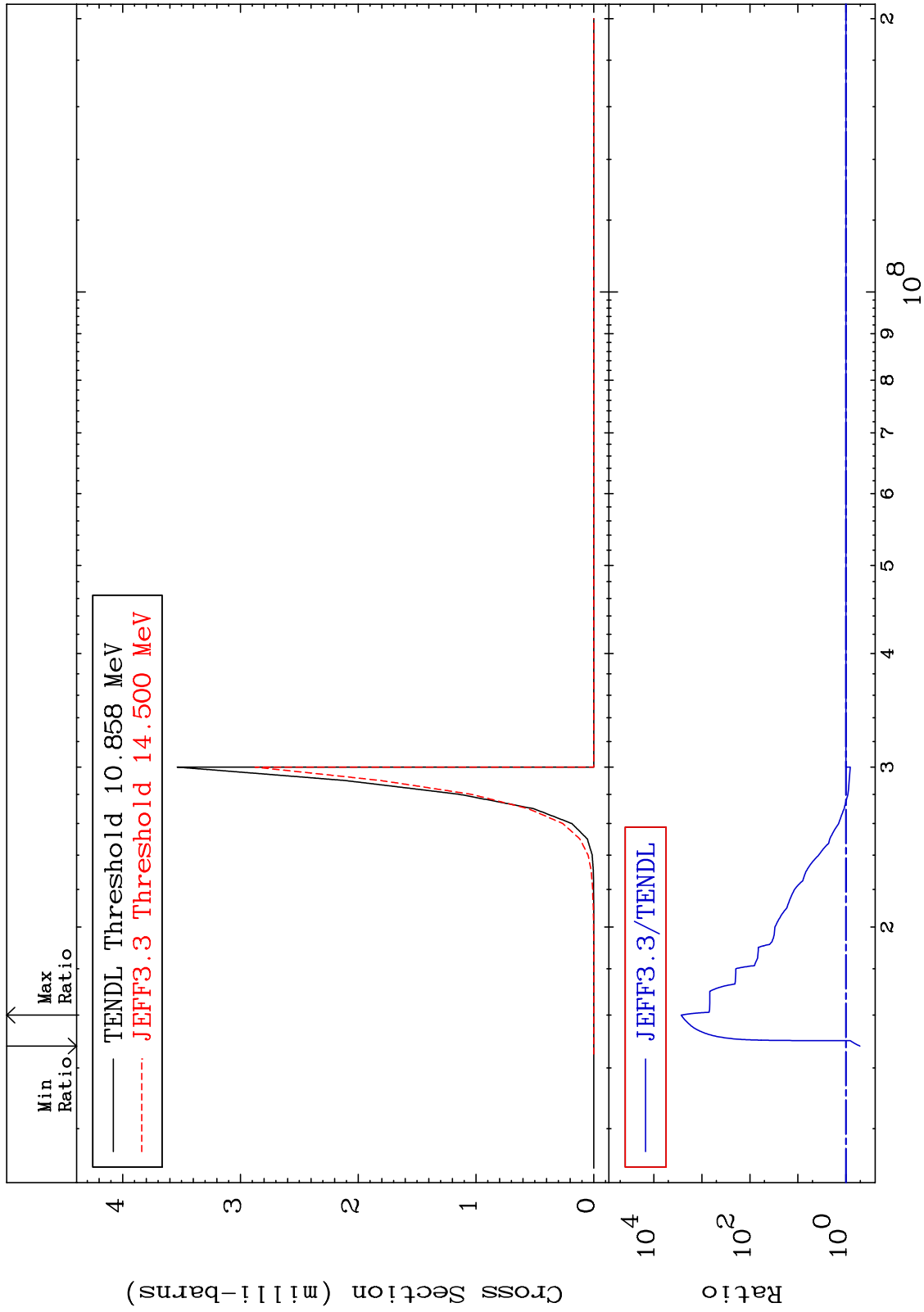


MAT 6025

(n,2n) α :58-Ce-137m2

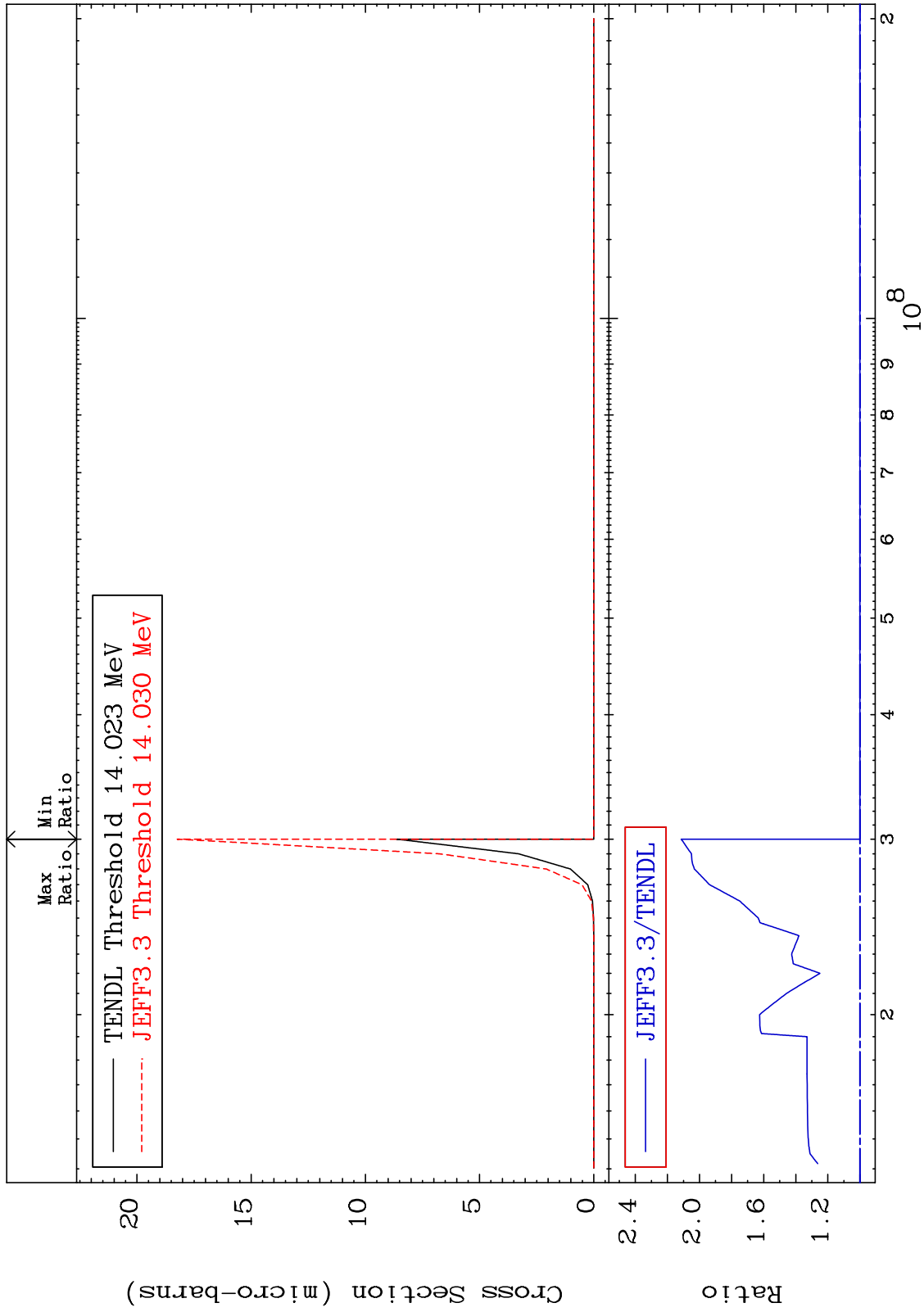
60-Nd-142

Radionuclide Production Cross Section -48.83 To 9999. %



MAT 6025

(n, n') He-3:58-Ce-139g 60-Nd-142
Radionuclide Production Cross Section 0.000 To 111.4 %

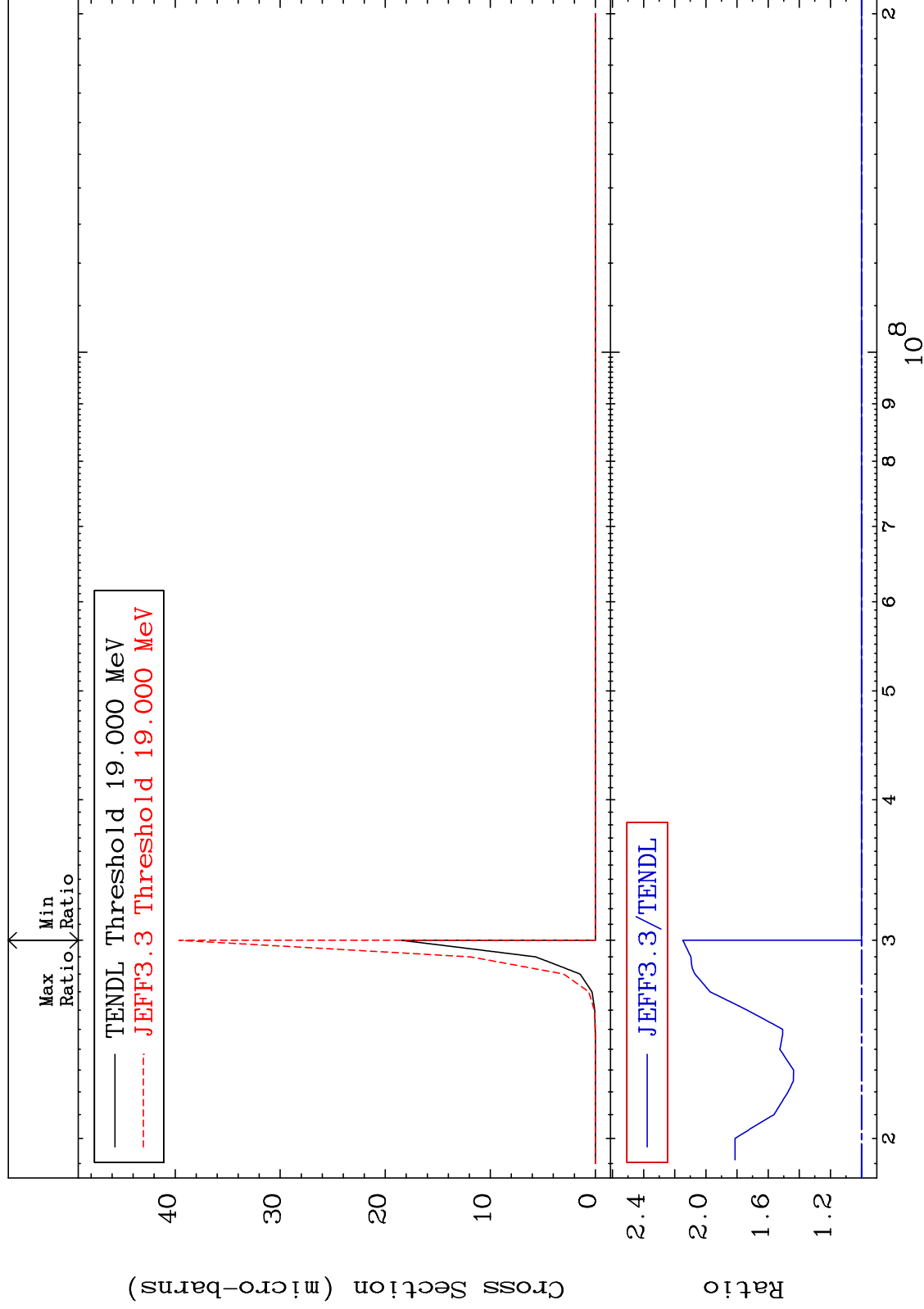


MAT 6025

(n, n') He-3:58-Ce-139m2

60-Nd-142

Radionuclide Production Cross Section 0.000 To 114.8 %

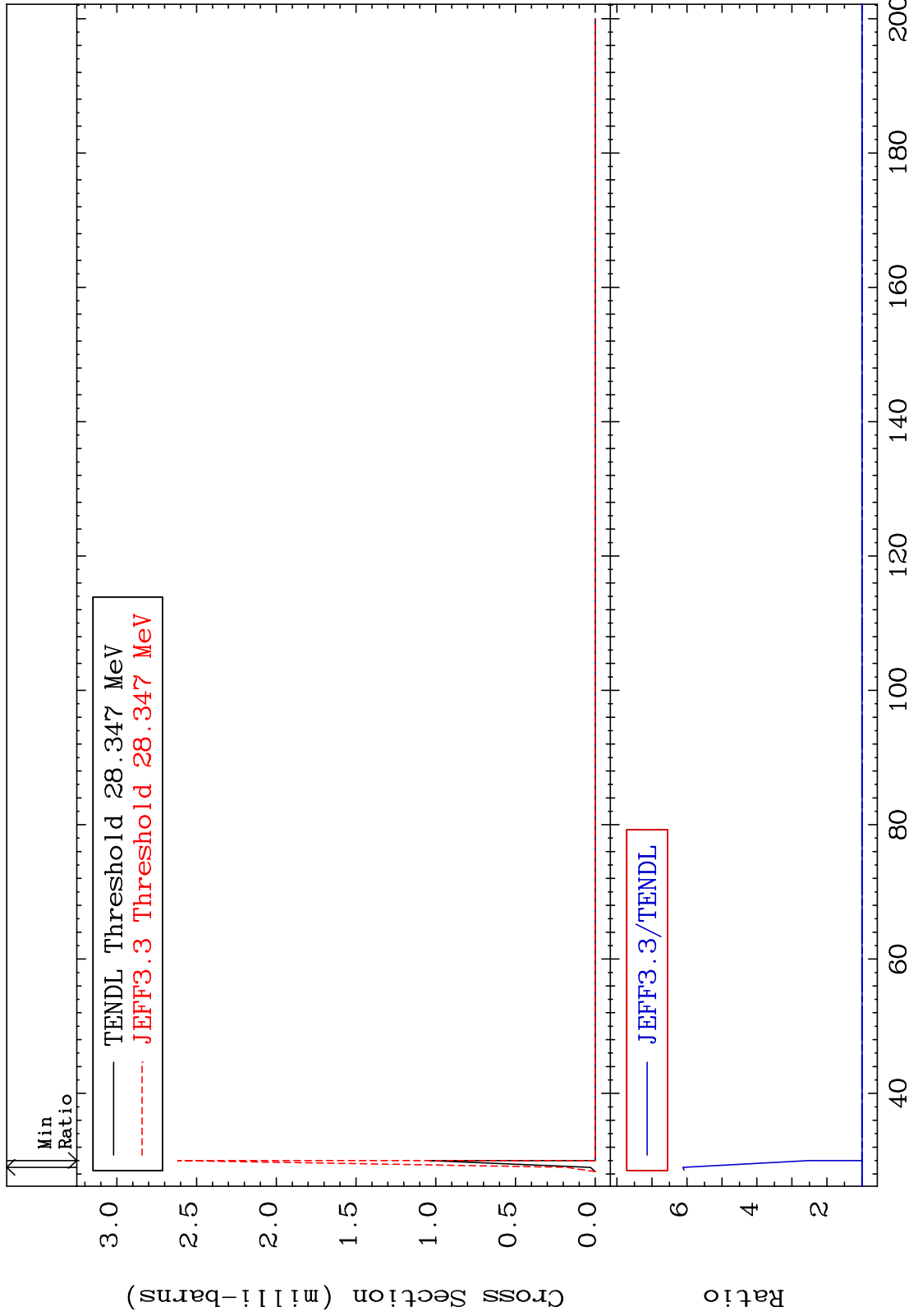


MAT 6025

(n,4n):60-Nd-139g

60-Nd-142

Radionuclide Production Cross Section 0.000 To 511.5 %



85

Incident Energy (MeV)

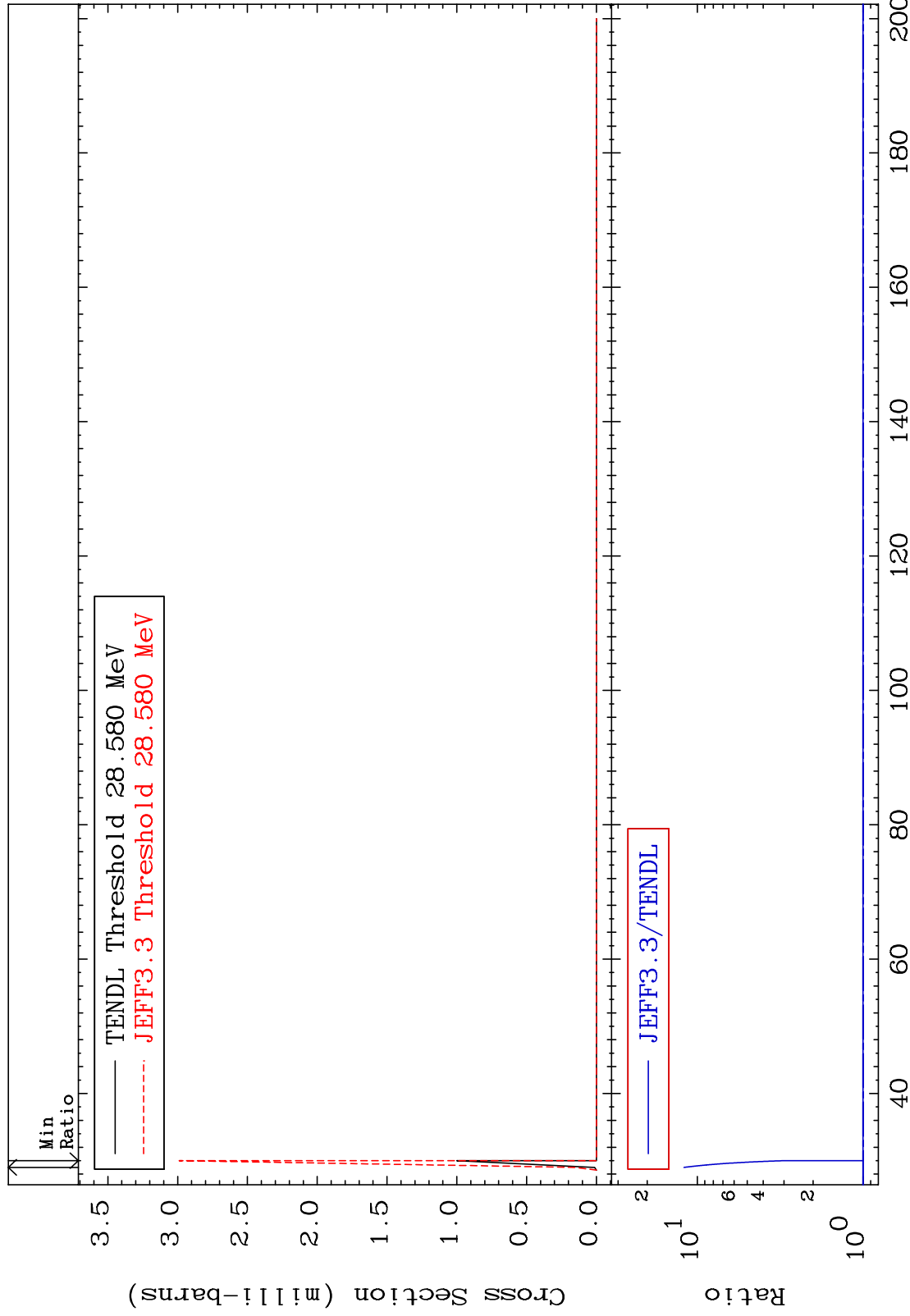
60-Nd-142

MAT 6025

(n, 4n): 60-Nd-139m2

60-Nd-142

Radionuclide Production Cross Section 0.000 To 1101. %

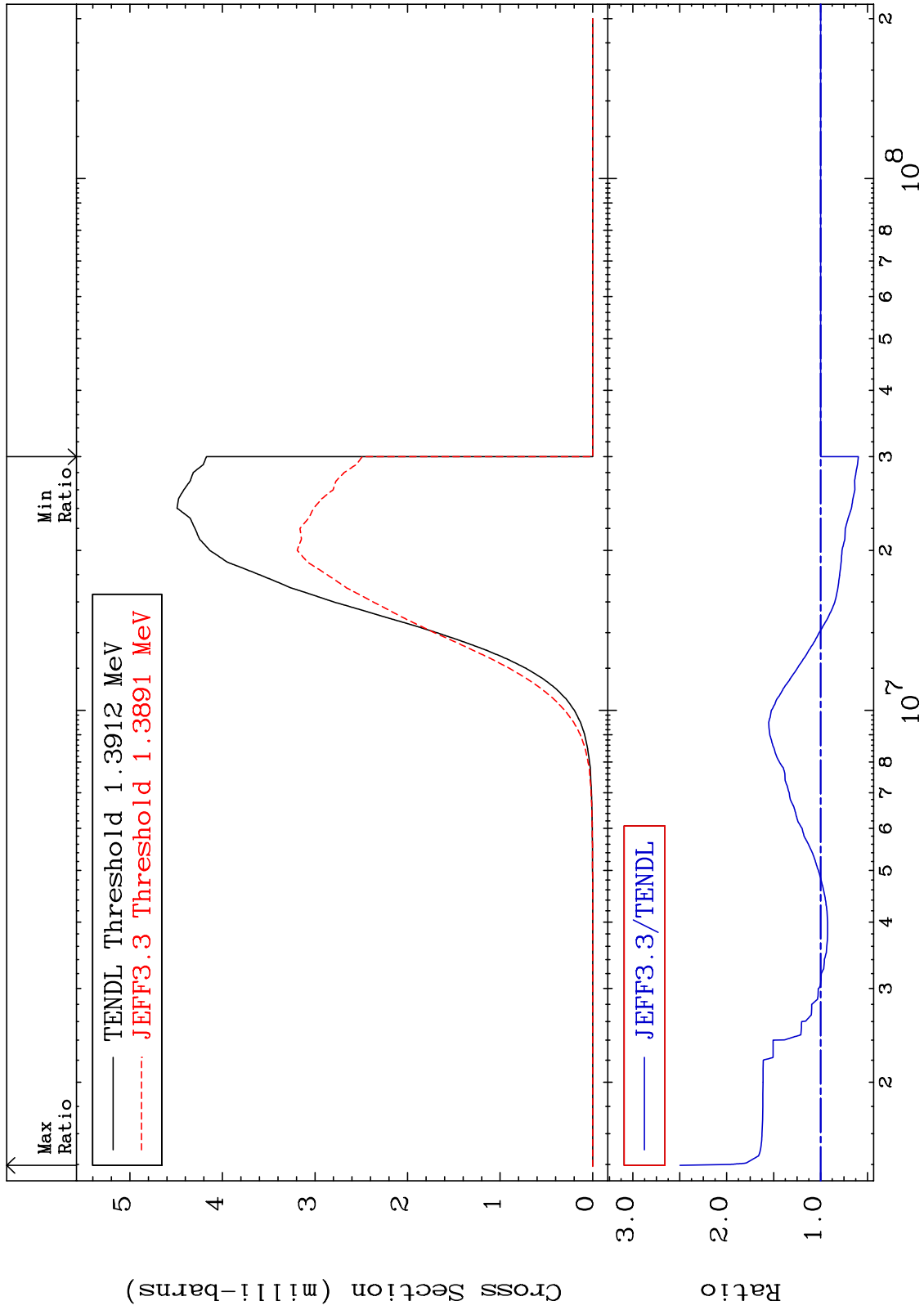


MAT 6025

(n,p):59-Pr-142g

60-Nd-142

Radionuclide Production Cross Section -40.34 To 149.8 %

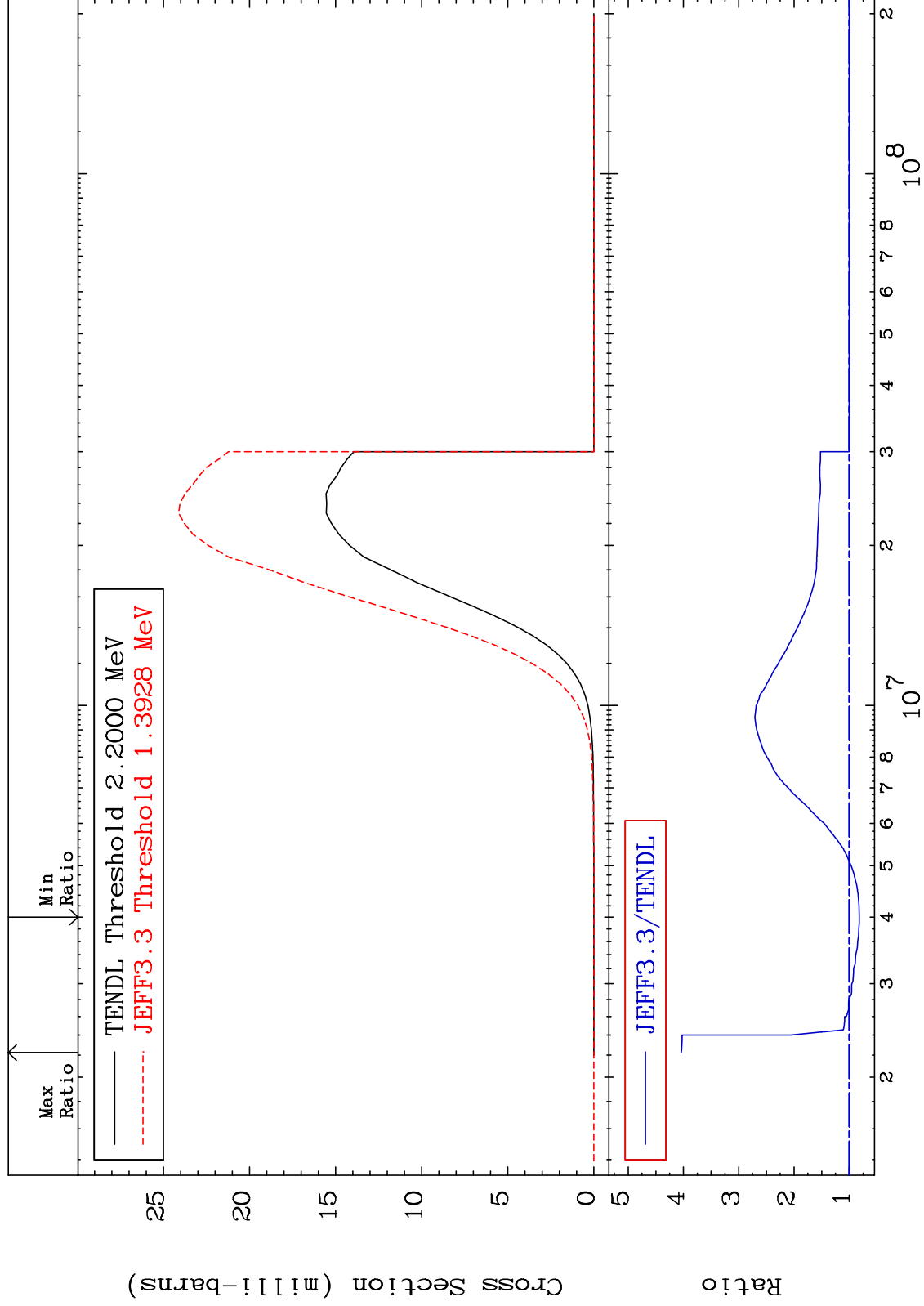


MAT 6025

(n, p) : 59-Pr-142m1

60-Nd-142

Radionuclide Production Cross Section -18.04 To 304.4 %

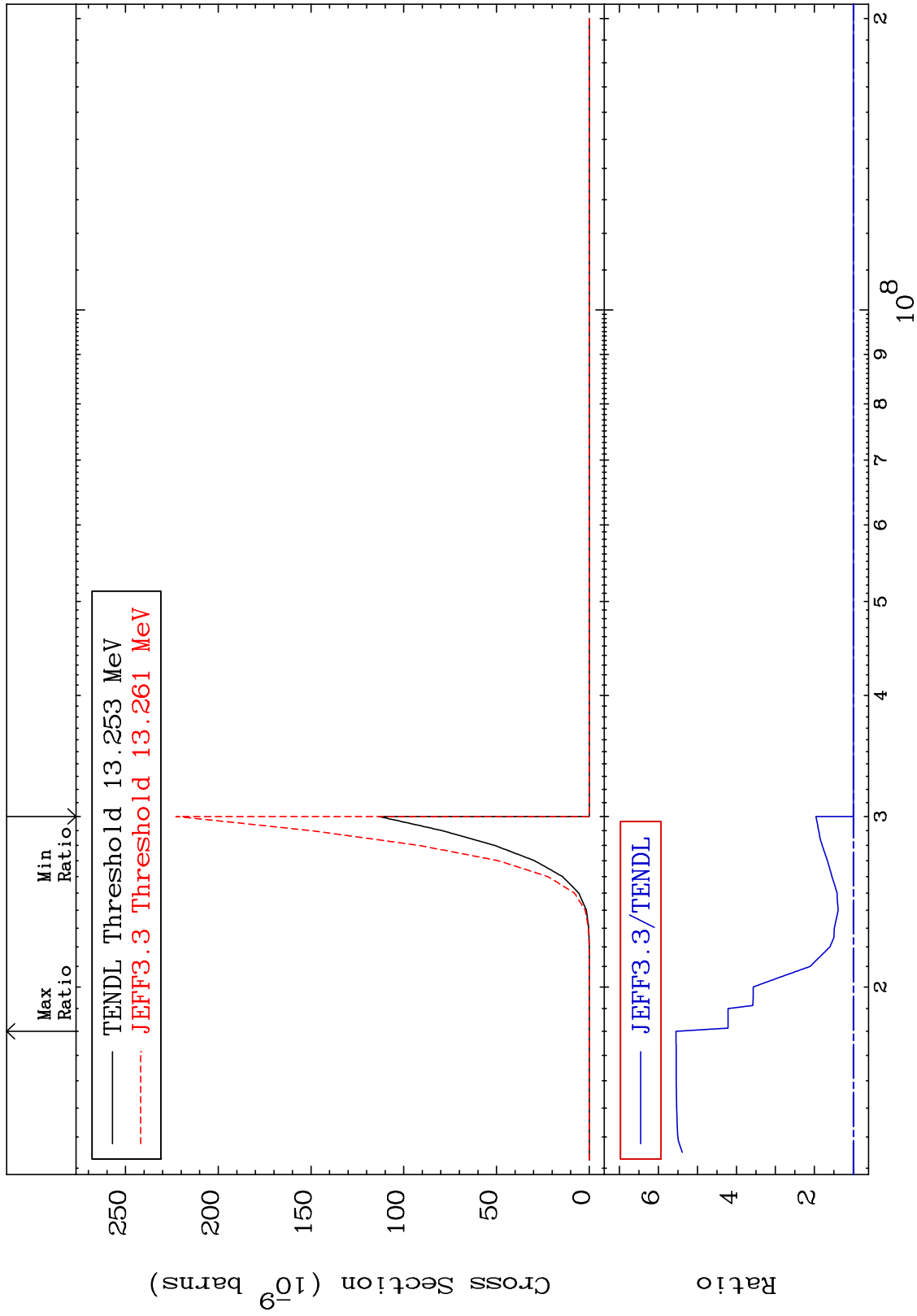


MAT 6025

(n, p) t:58-Ce-139g

60-Nd-142

Radionuclide Production Cross Section 0.000 To 454.7 %

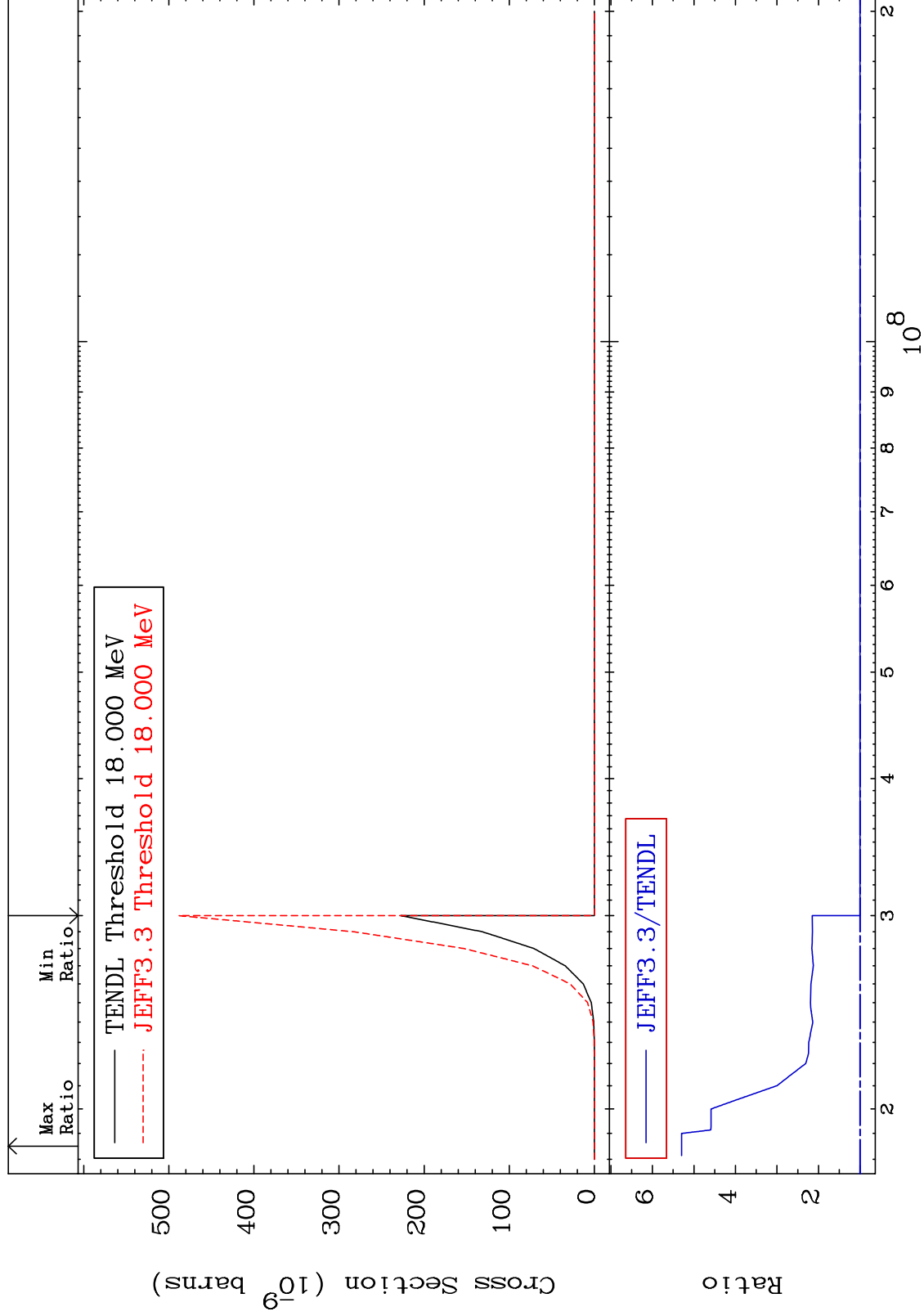


MAT 6025

(n, p) t:58-Ce-139m2

60-Nd-142

Radionuclide Production Cross Section 0.000 To 429.6 %



90

Incident Energy (eV)

60-Nd-142