

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

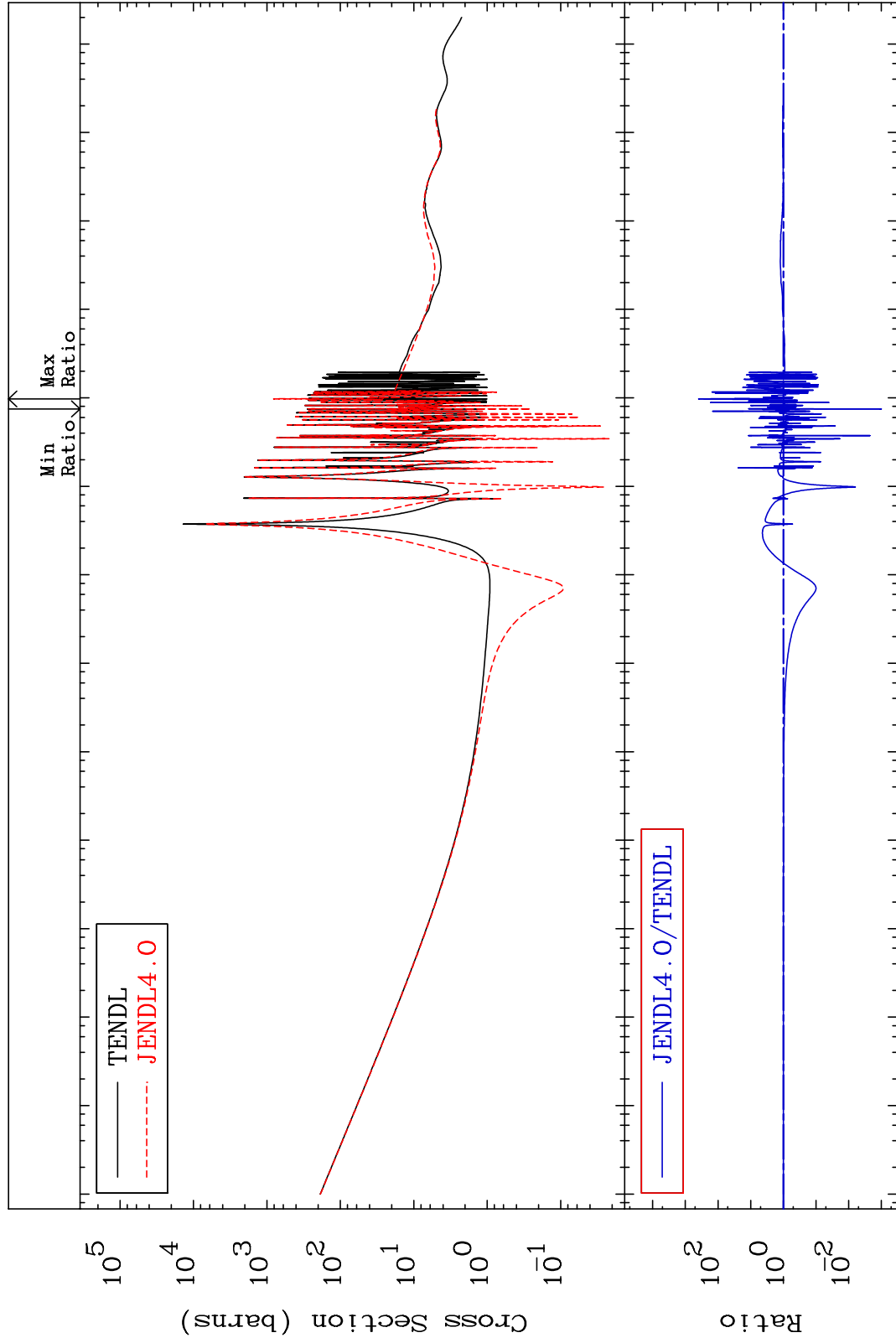
MAT 6031

Total

60-Nd-144

Cross Section

-99.90 To 9999. %

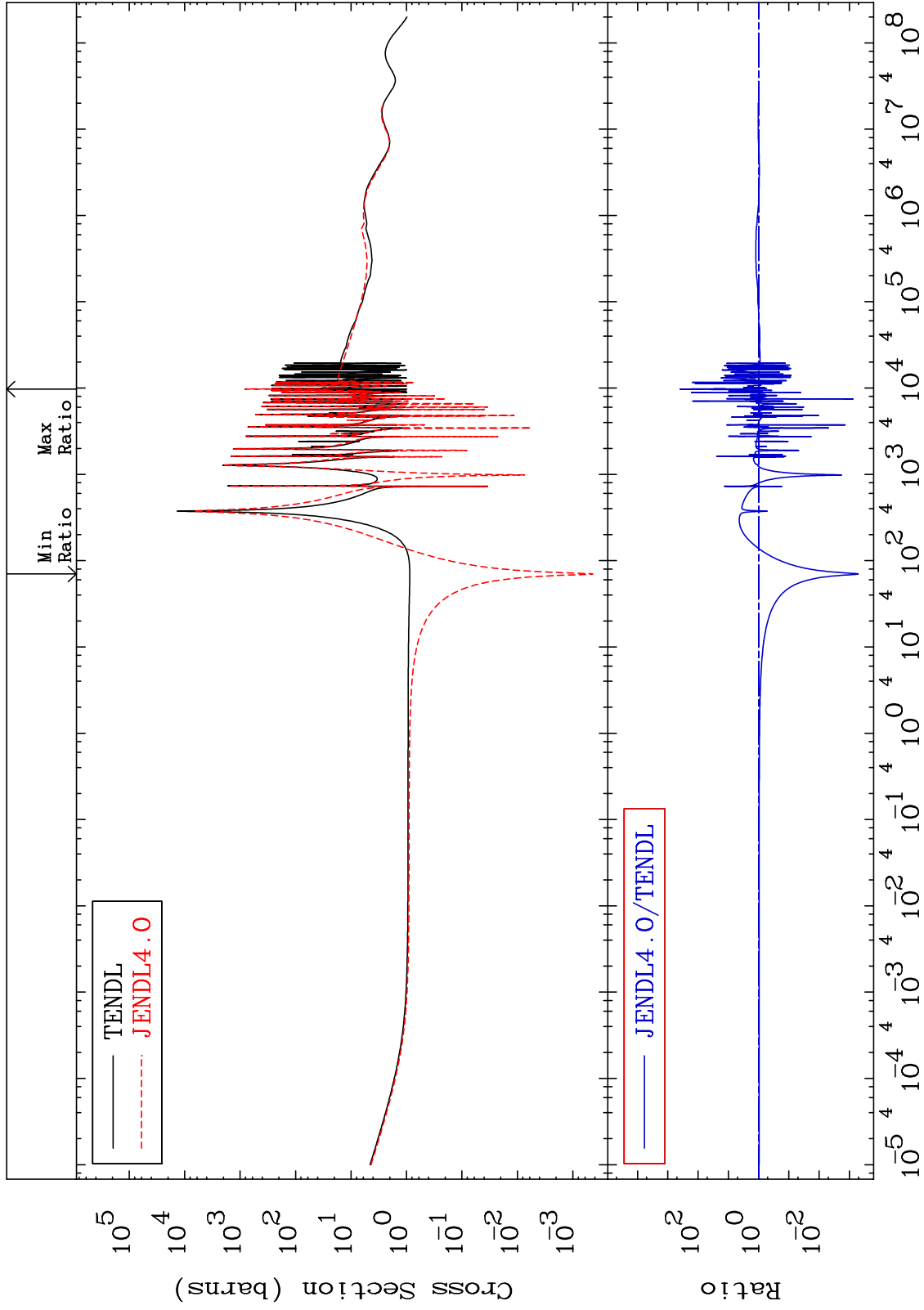


Incident Energy (eV) 60-Nd-144

MAT 6031

Elastic
Cross Section

60-Nd-144
-99.95 To 9999. %



60-Nd-144

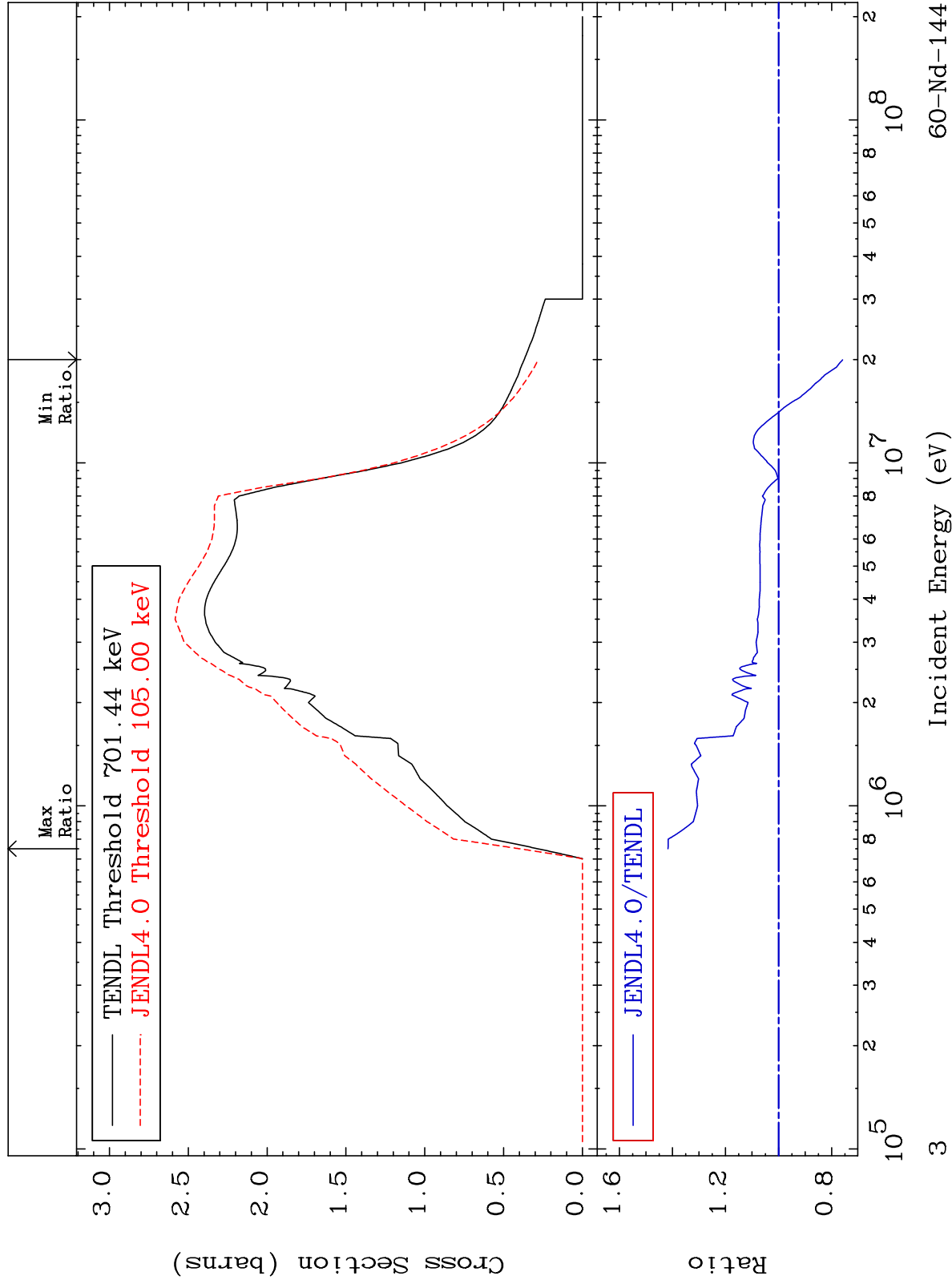
Incident Energy (eV)

MAT 6031

Inelastic
Cross Section

60-Nd-144

-24.24 To 41.69 %



Incident Energy (eV)

60-Nd-144

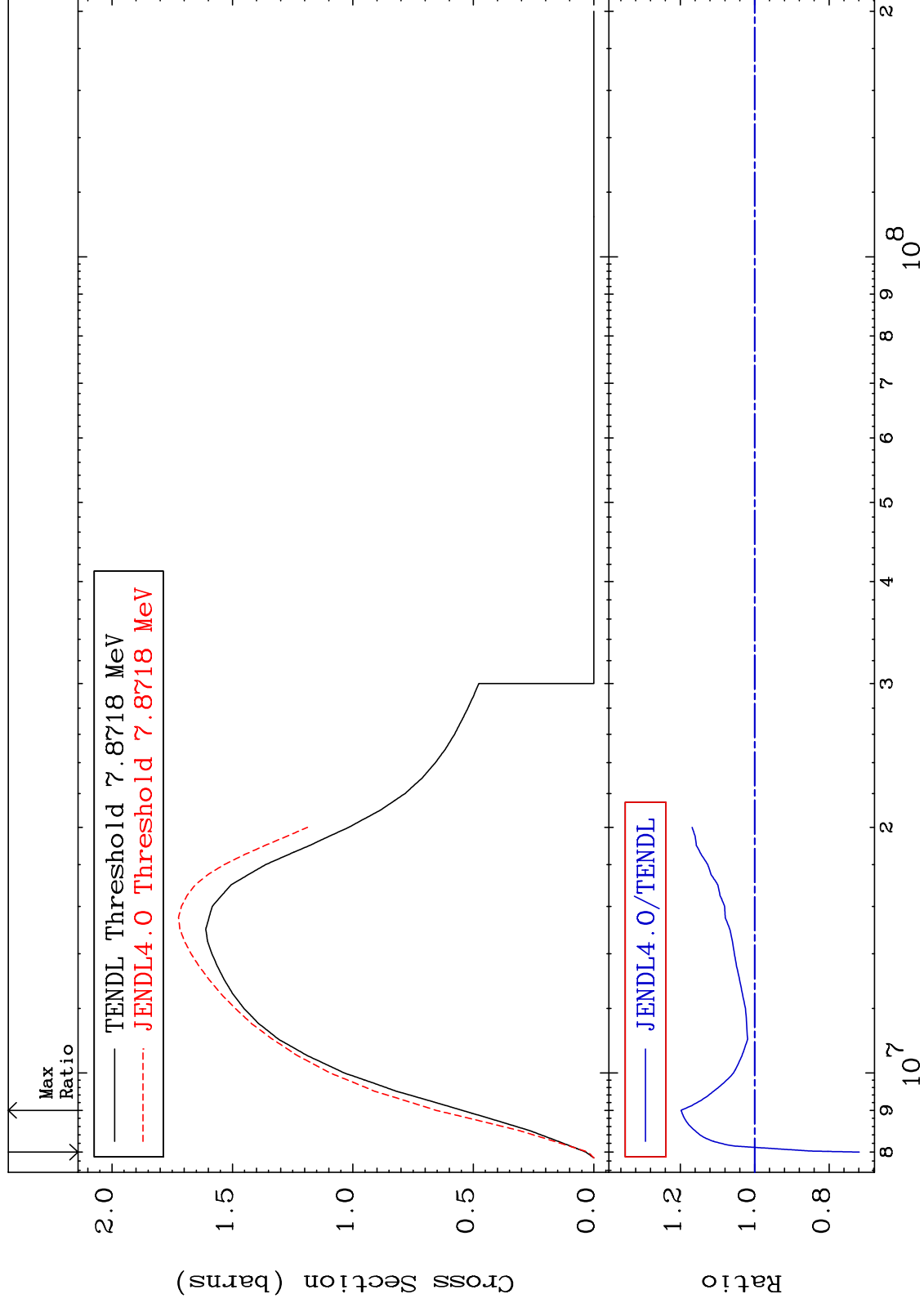
MAT 6031

(n,2n)

60-Nd-144

Cross Section

-28.12 To 19.79 %



4

Incident Energy (eV)

60-Nd-144

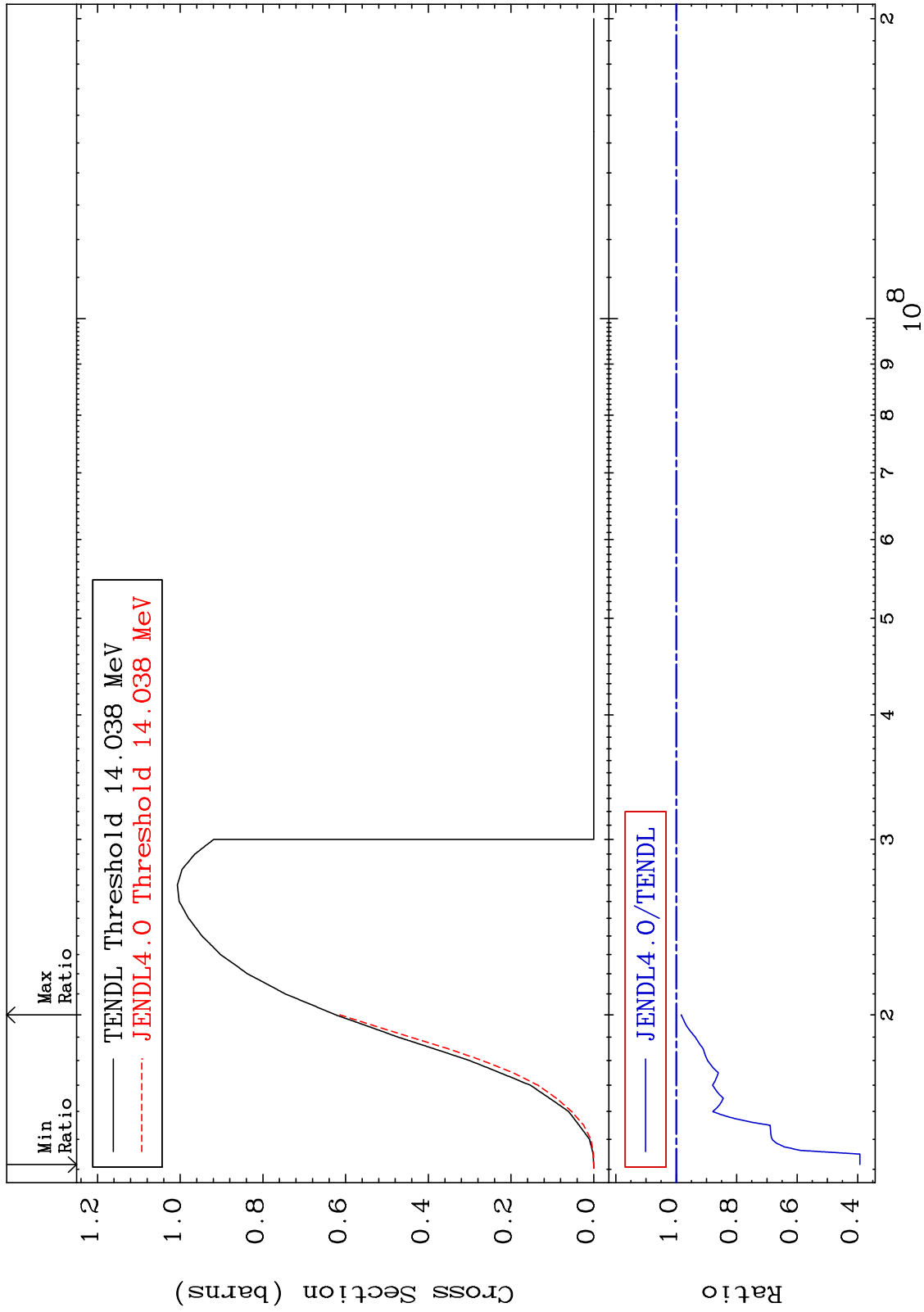
MAT 6031

(n,3n)

60-Nd-144

Cross Section

-60.76 To -1.645%



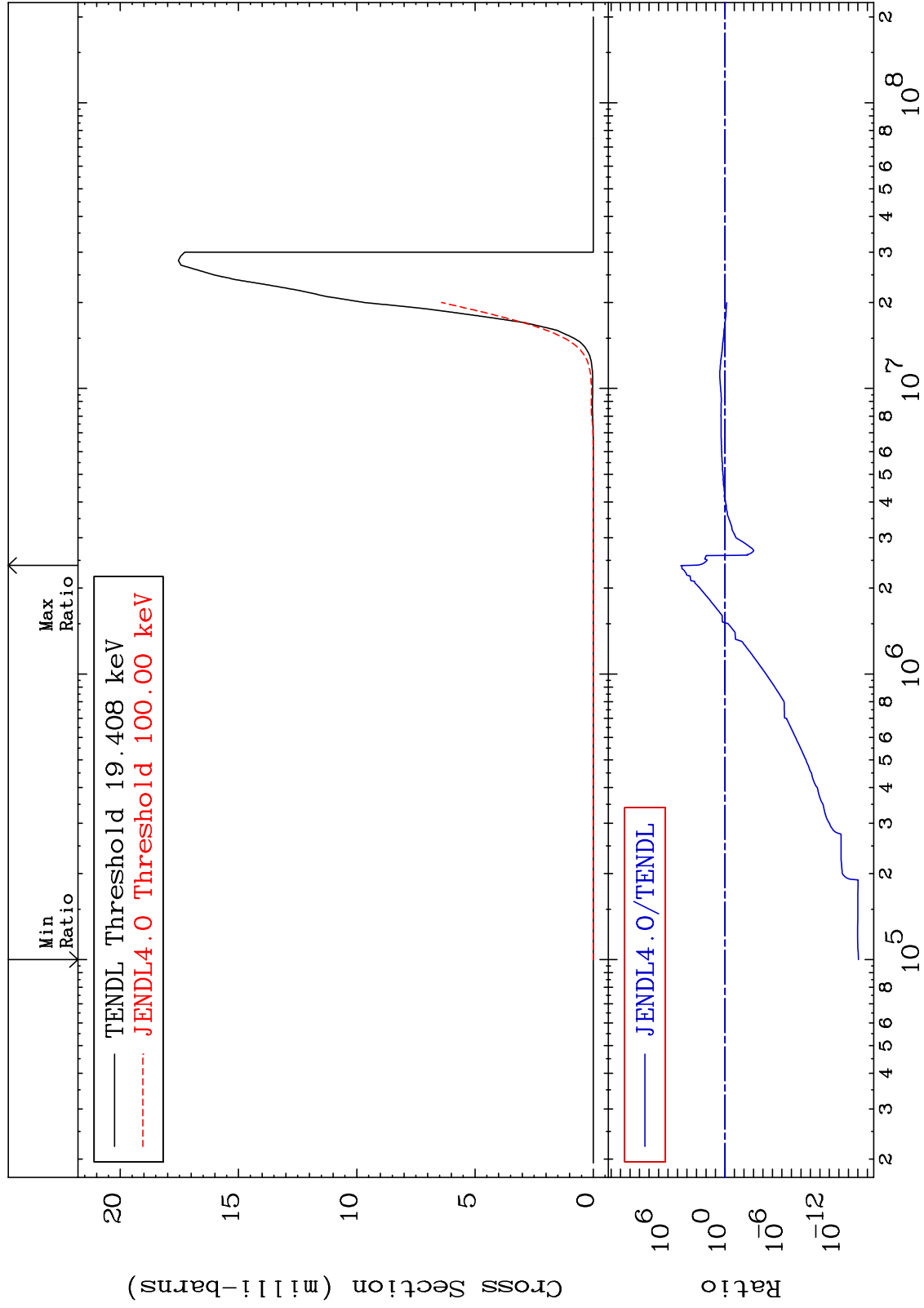
MAT 6031

(n, n') α

60-Nd-144

-100.0 To 9999. %

Cross Section



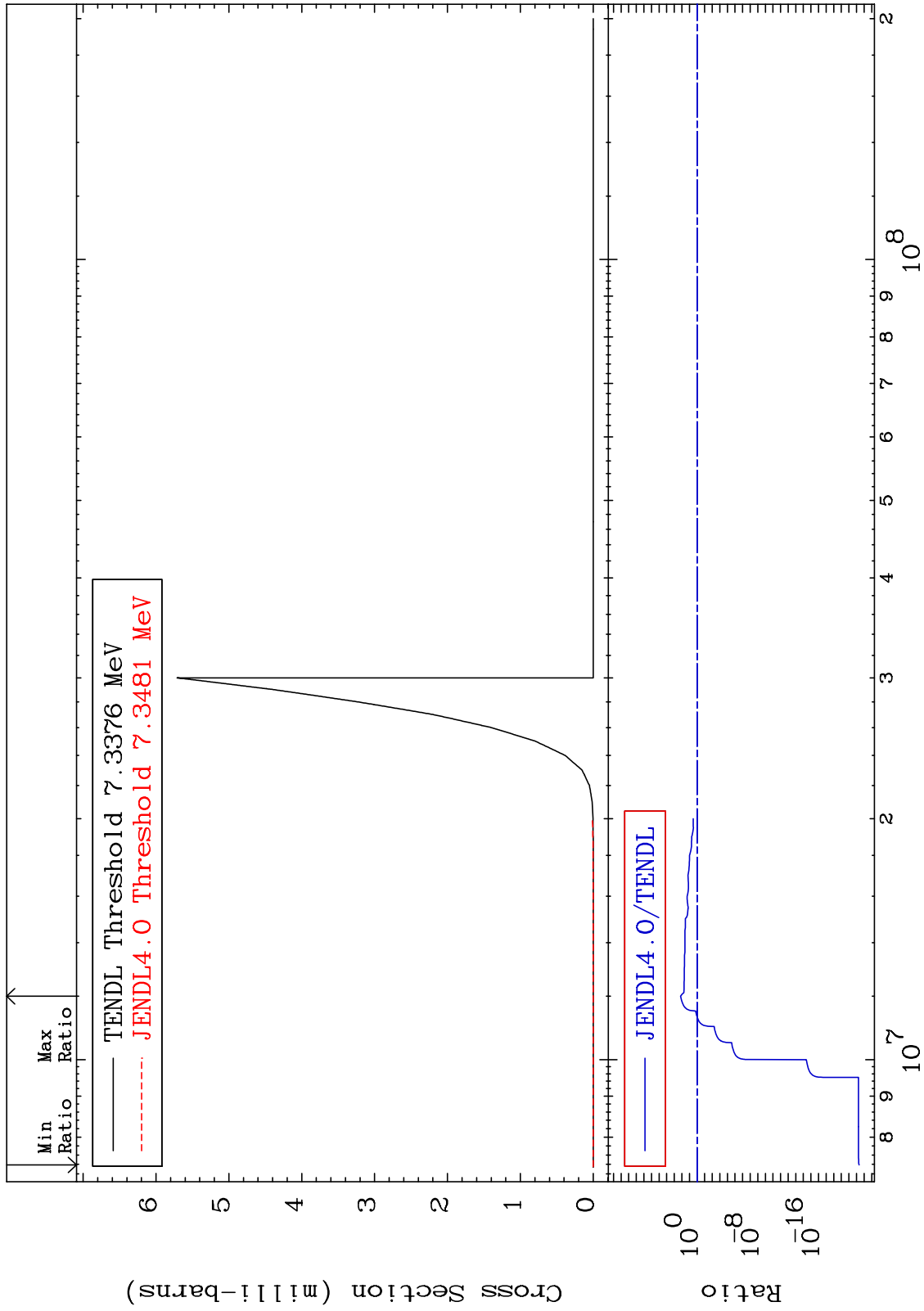
MAT 6031

(n,2n) α

60-Nd-144

Cross Section

-100.0 To 9999. %



7

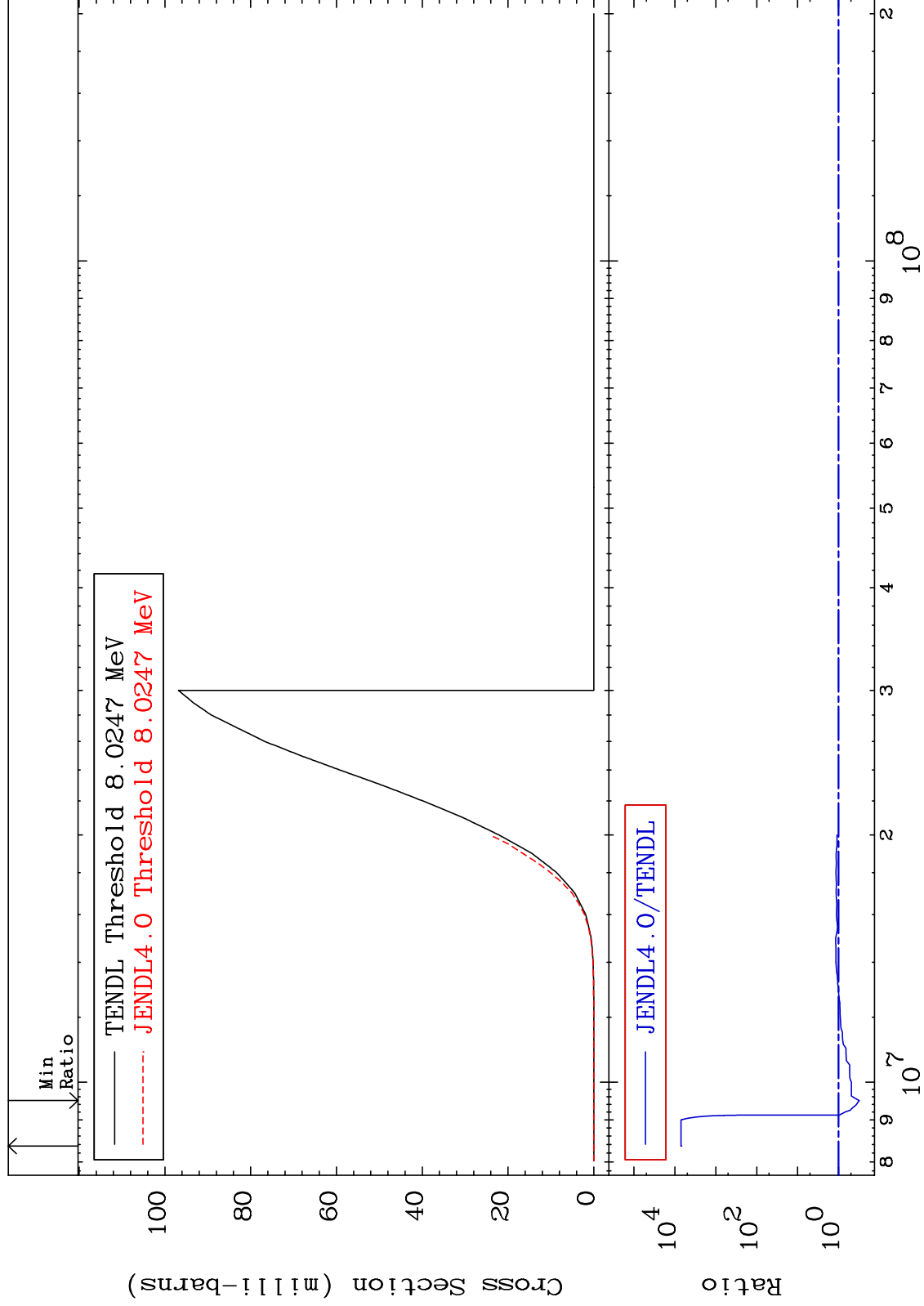
Incident Energy (eV)

60-Nd-144

MAT 6031

(n,n') p
Cross Section

60-Nd-144
-68.82 To 9999. %



60-Nd-144

Incident Energy (eV)

8

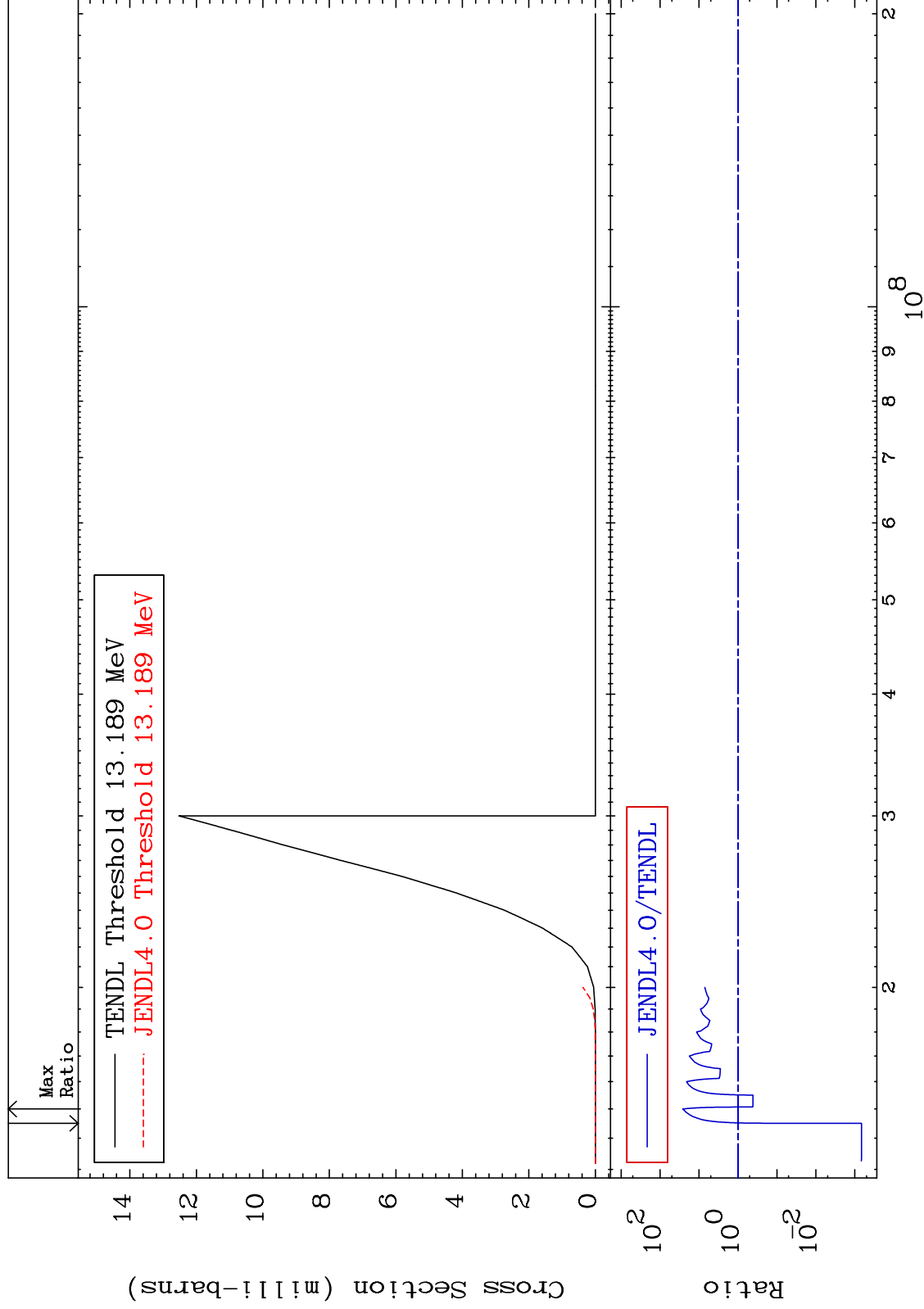
MAT 6031

(n, n') d

60-Nd-144

Cross Section

-99.93 To 2501. %



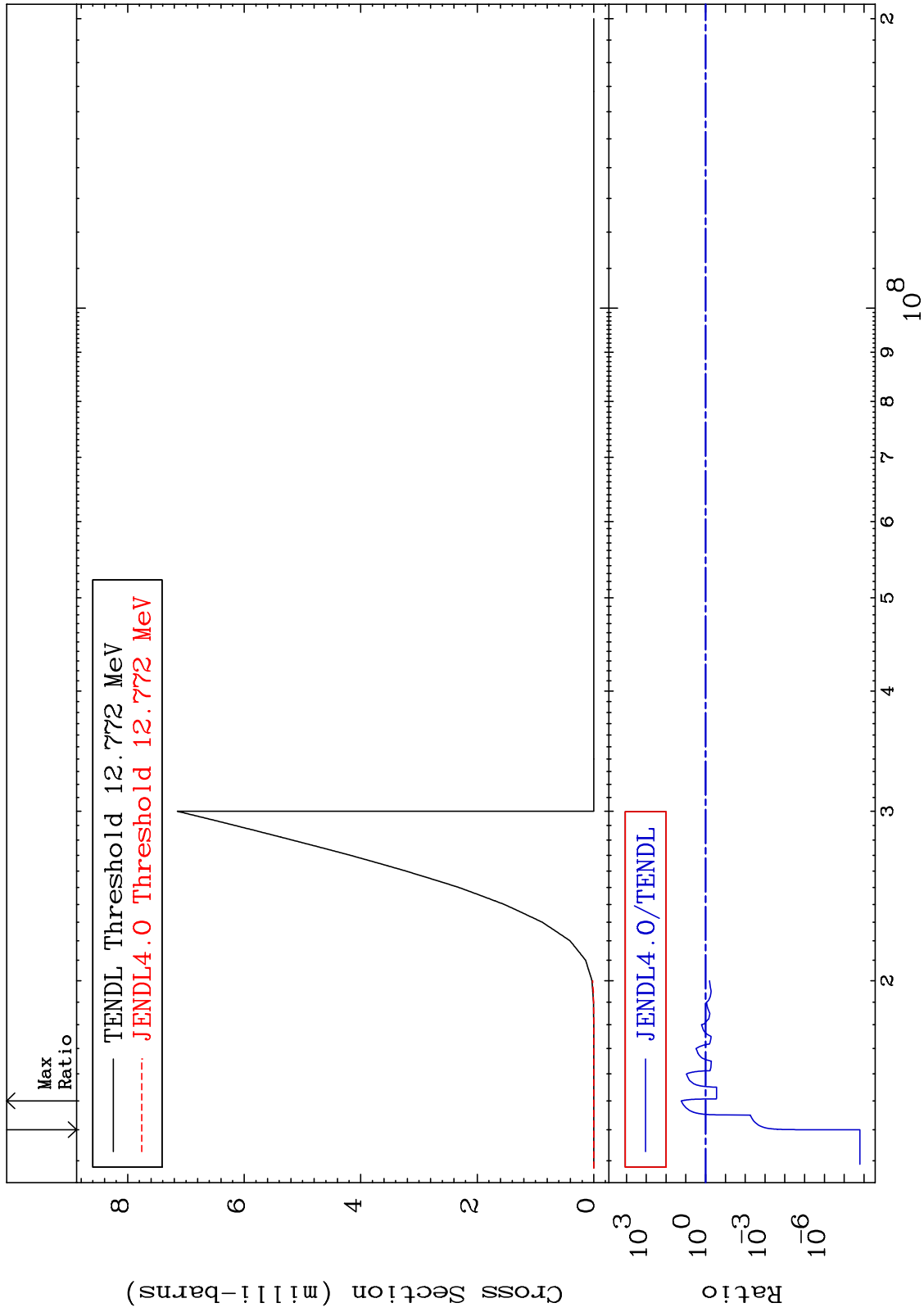
MAT 6031

(n,n') t

60-Nd-144

Cross Section

-100.0 To 1608. %



10

Incident Energy (eV)

60-Nd-144

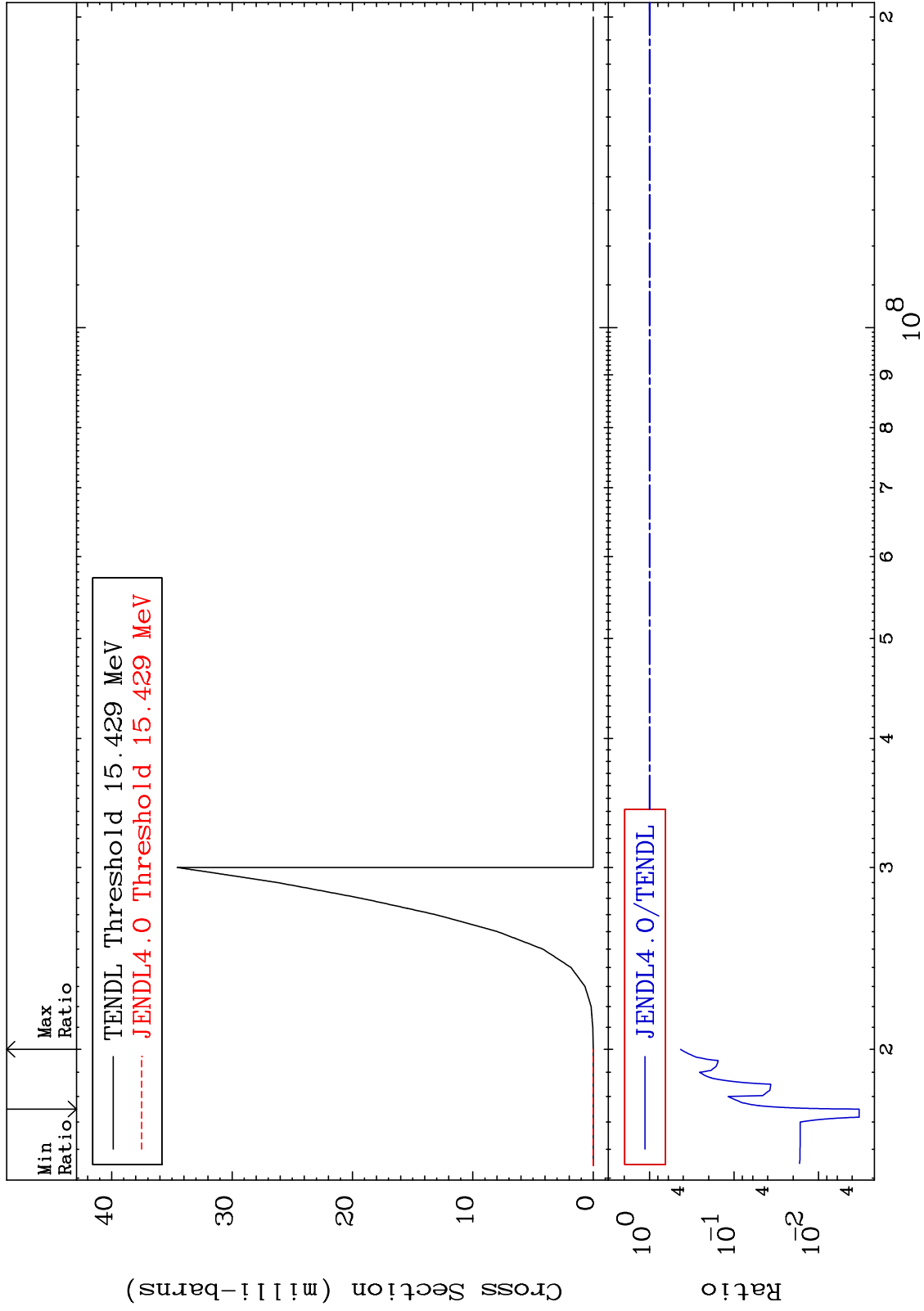
MAT 6031

(n,2n) p

60-Nd-144

Cross Section

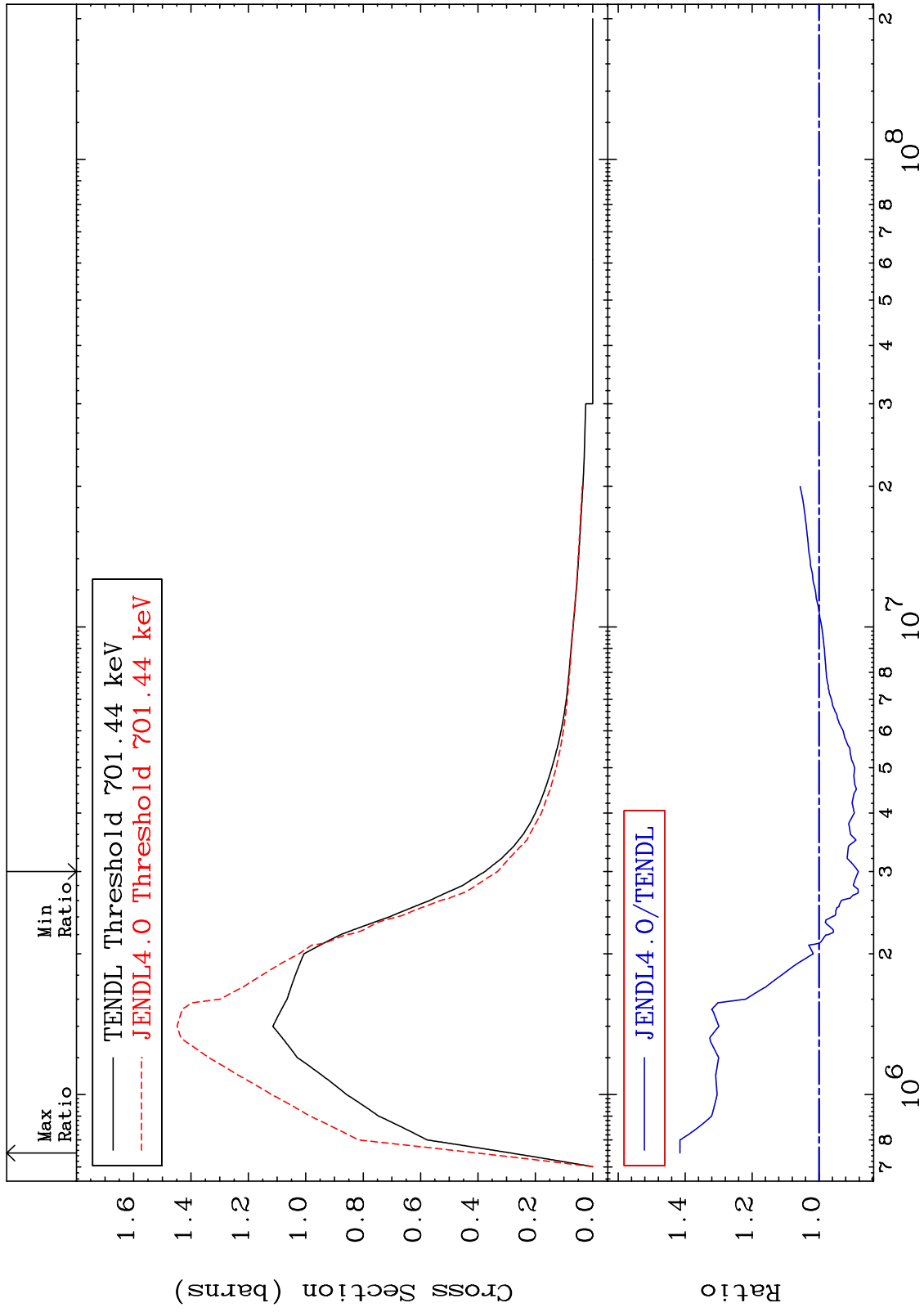
-99.67 To -57.09%



MAT 6031

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

60-Nd-144
-11.77 To 41.52 %



12

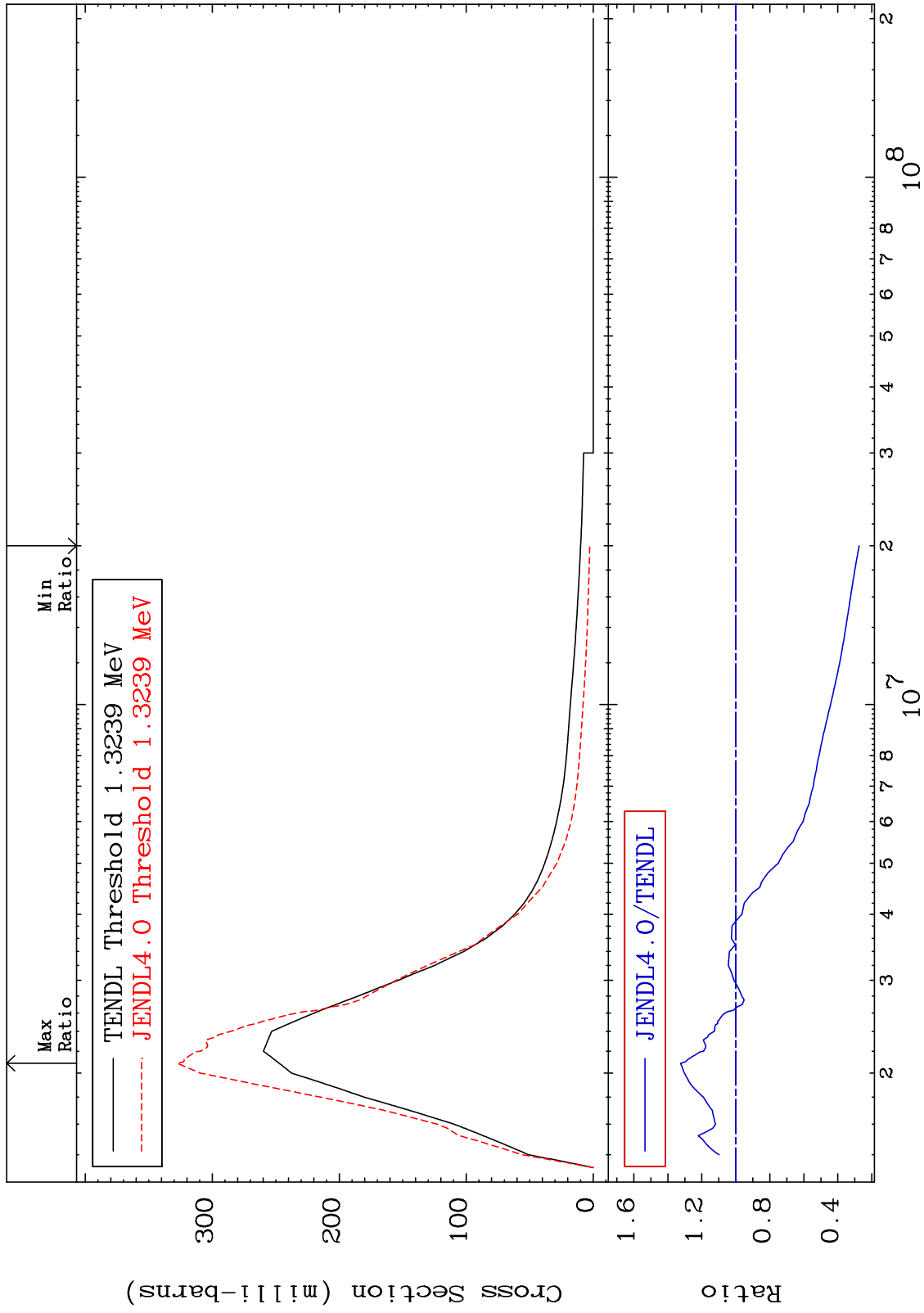
Incident Energy (eV)

60-Nd-144

MAT 6031

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

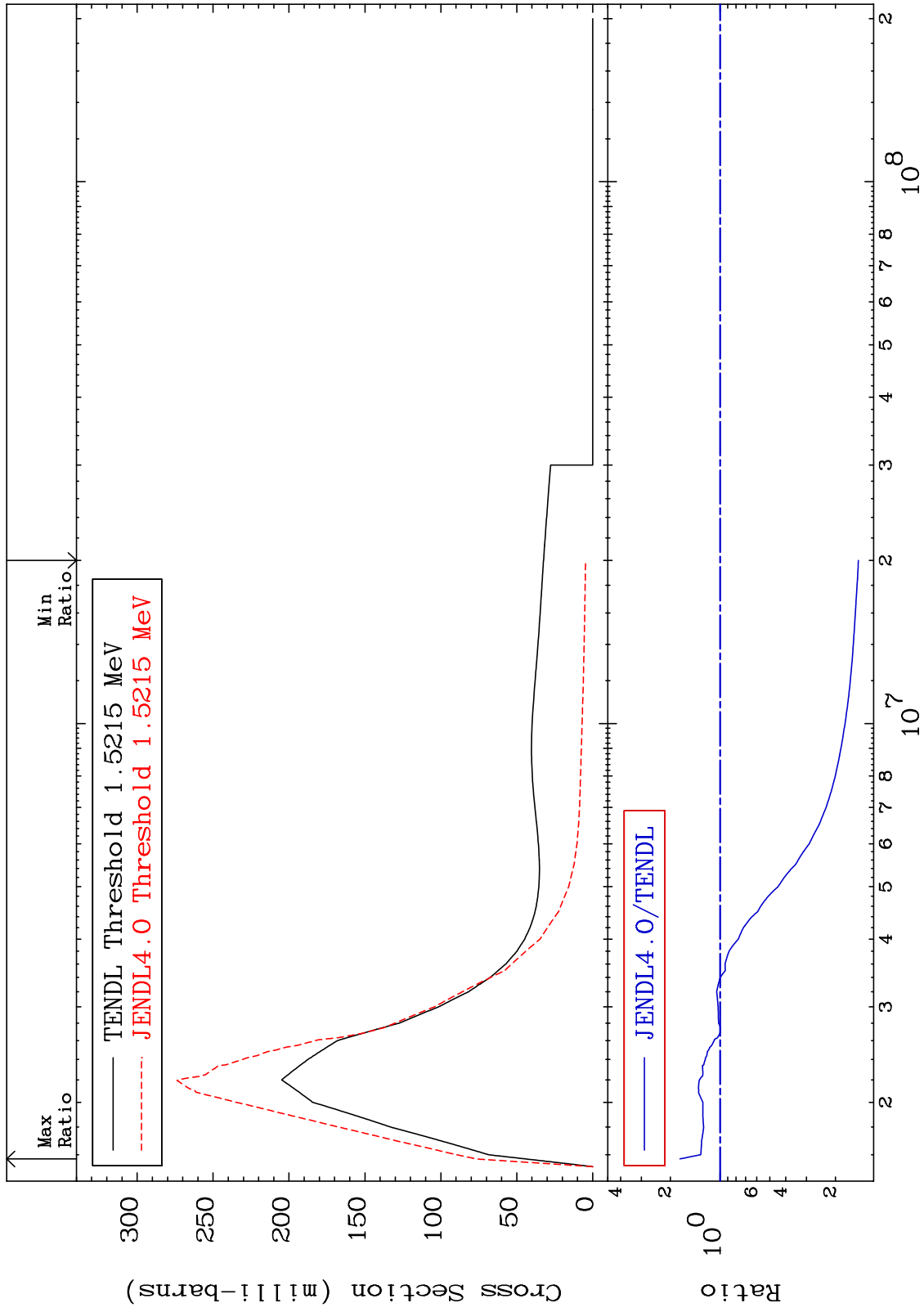
60-Nd-144
-72.56 To 32.47 %



MAT 6031

MT= 53 (n,n') Level
Cross Section

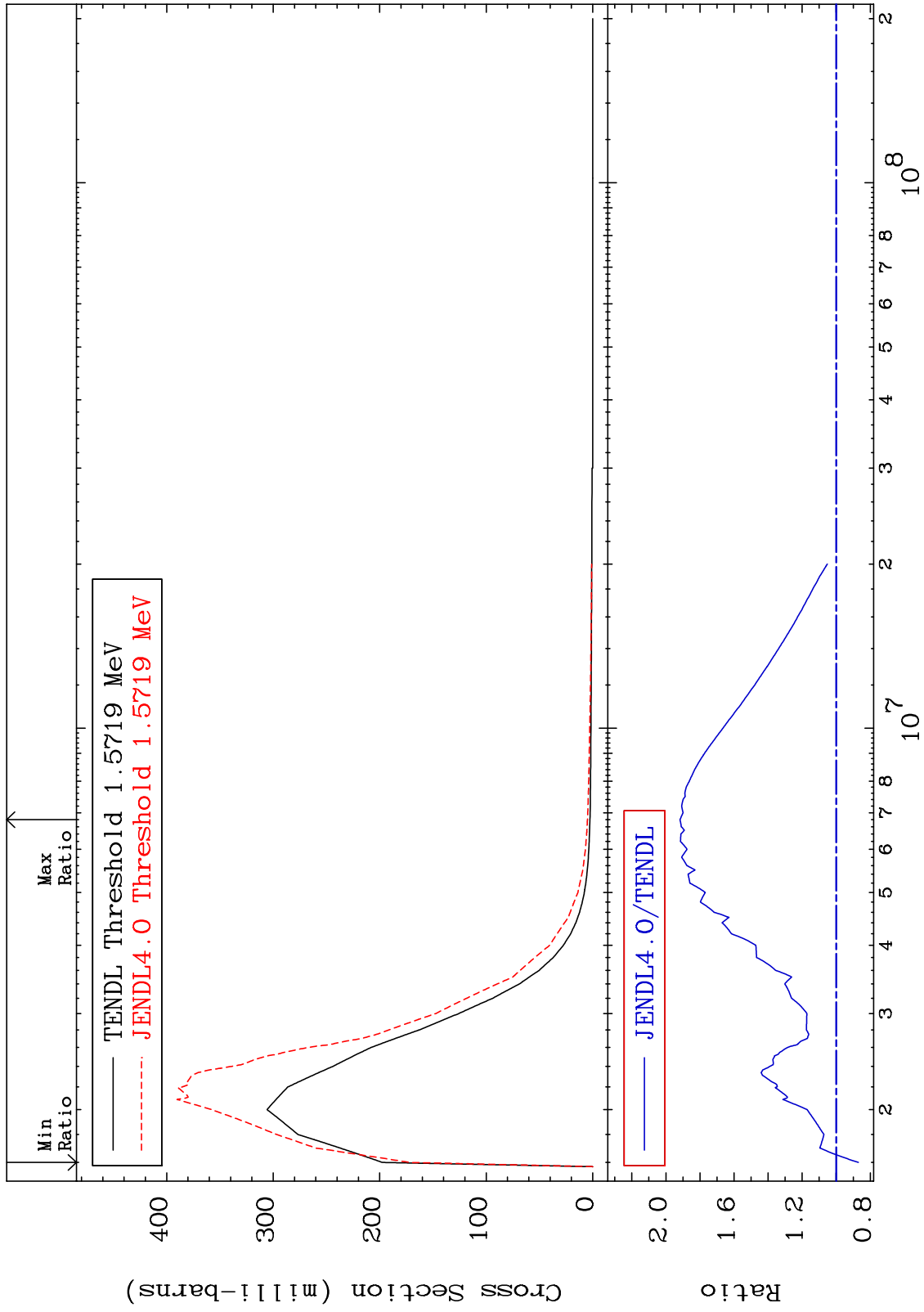
60-Nd-144
-85.46 To 74.79 %



MAT 6031

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

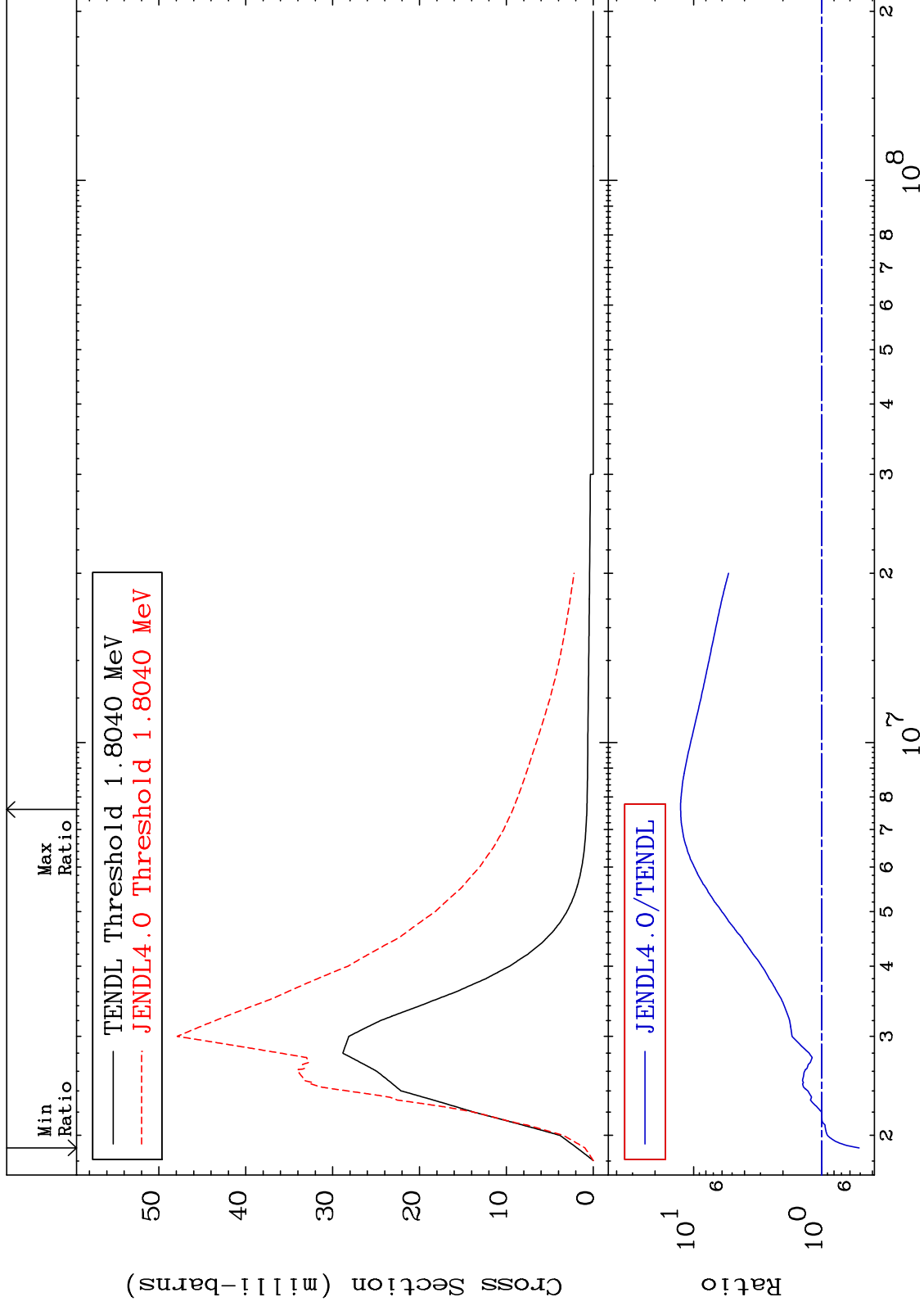
60-Nd-144
-13.03 To 91.71 %



MAT 6031

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

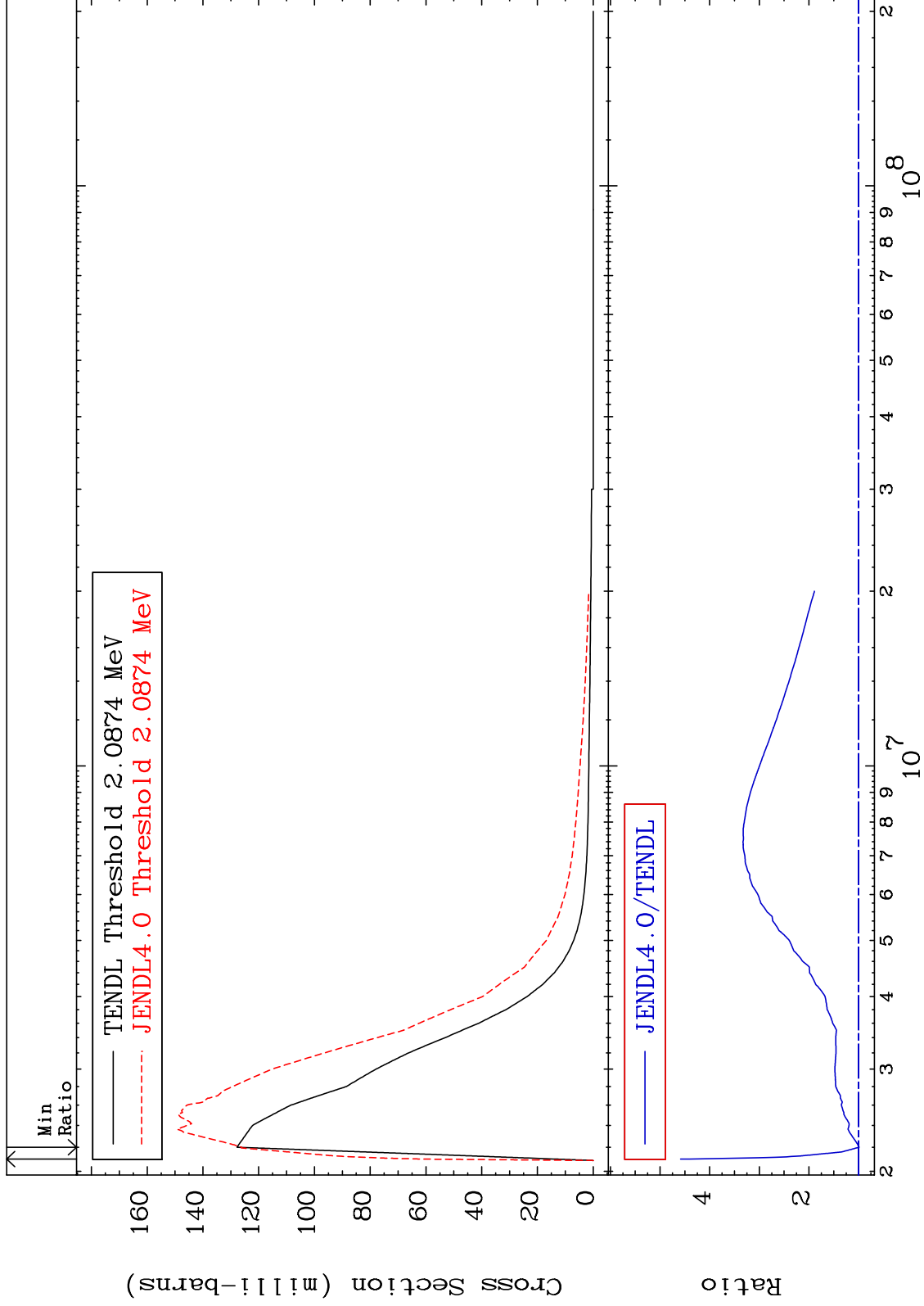
60-Nd-144
-49.14 To 1162. %



MAT 6031

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

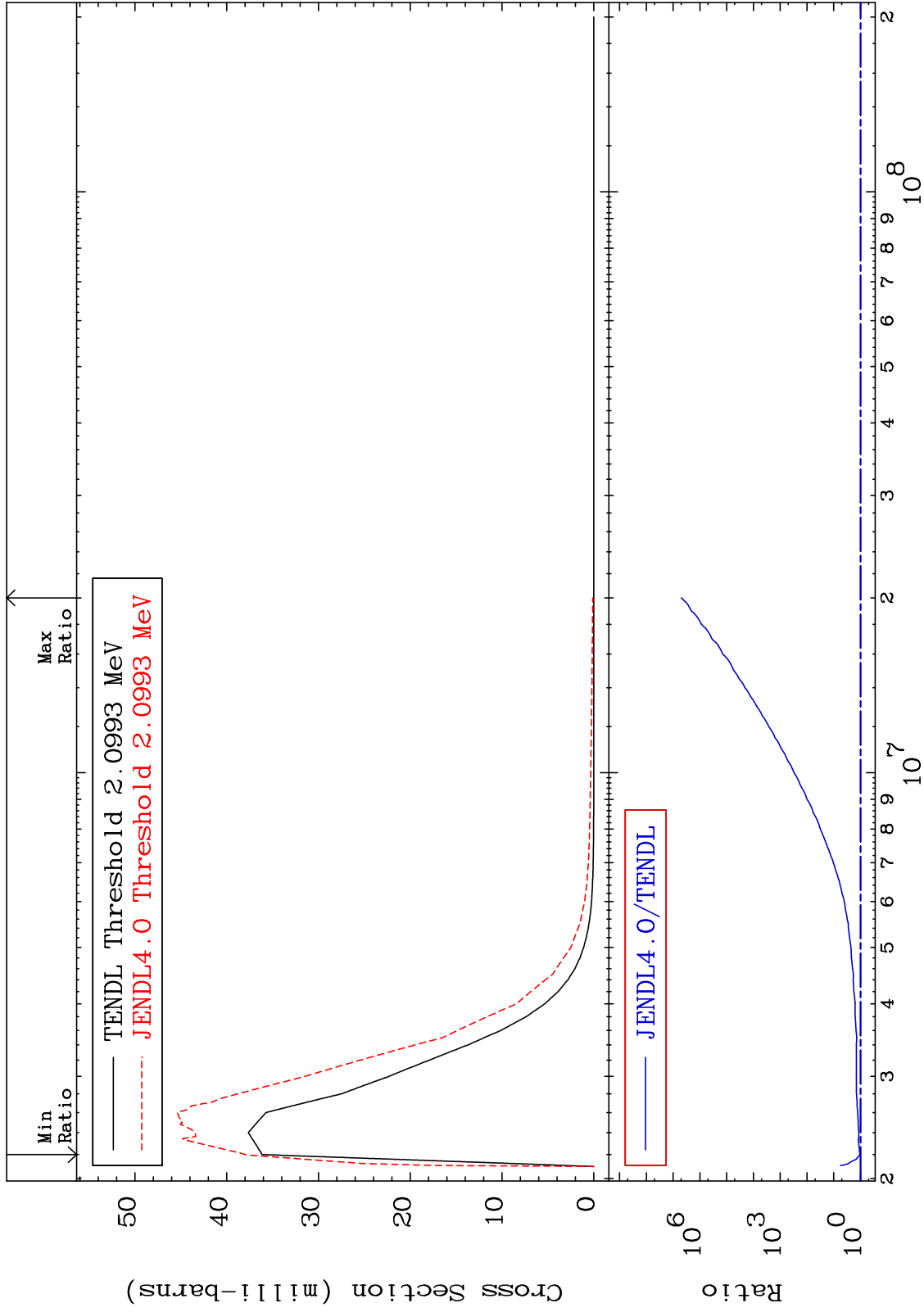
60-Nd-144
-1.196 To 358.6 %



MAT 6031

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

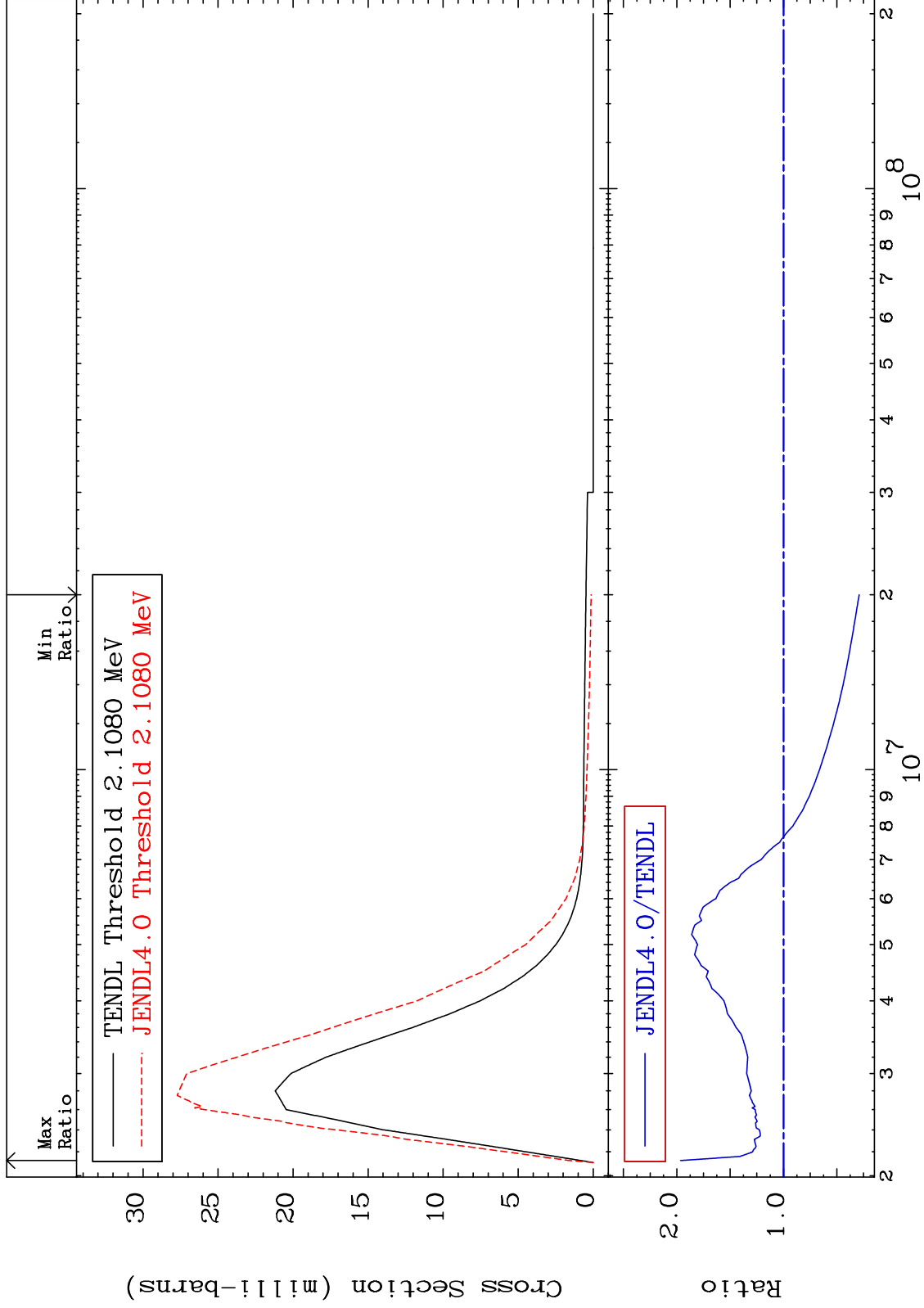
60-Nd-144
4.854 To 9999. %



MAT 6031

MT= 58 (n,n') Level
Cross Section

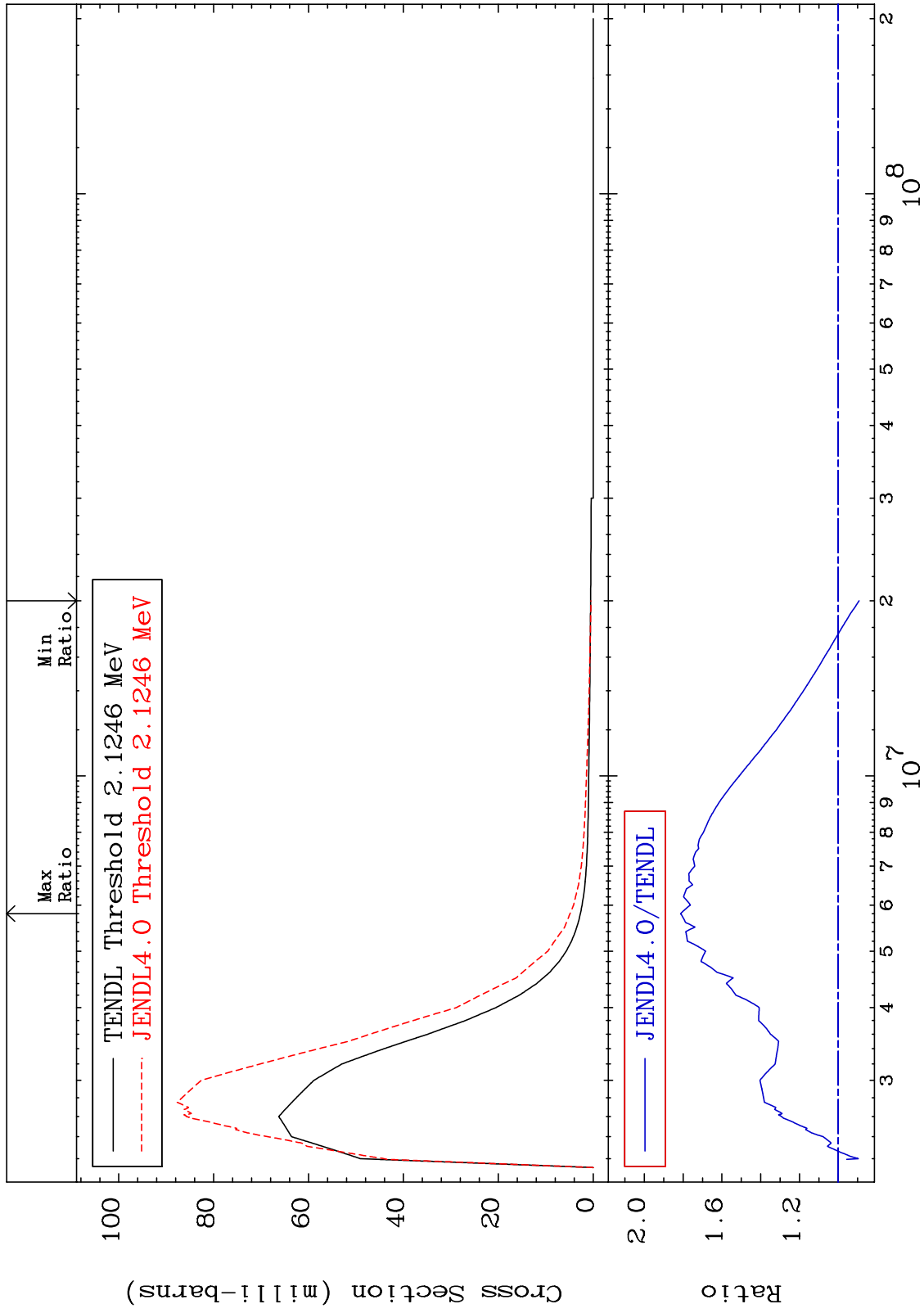
60-Nd-144
-70.90 To 96.42 %



MAT 6031

MT= 59 (n,n') Level
Cross Section

60-Nd-144
-10.79 To 81.29 %



20

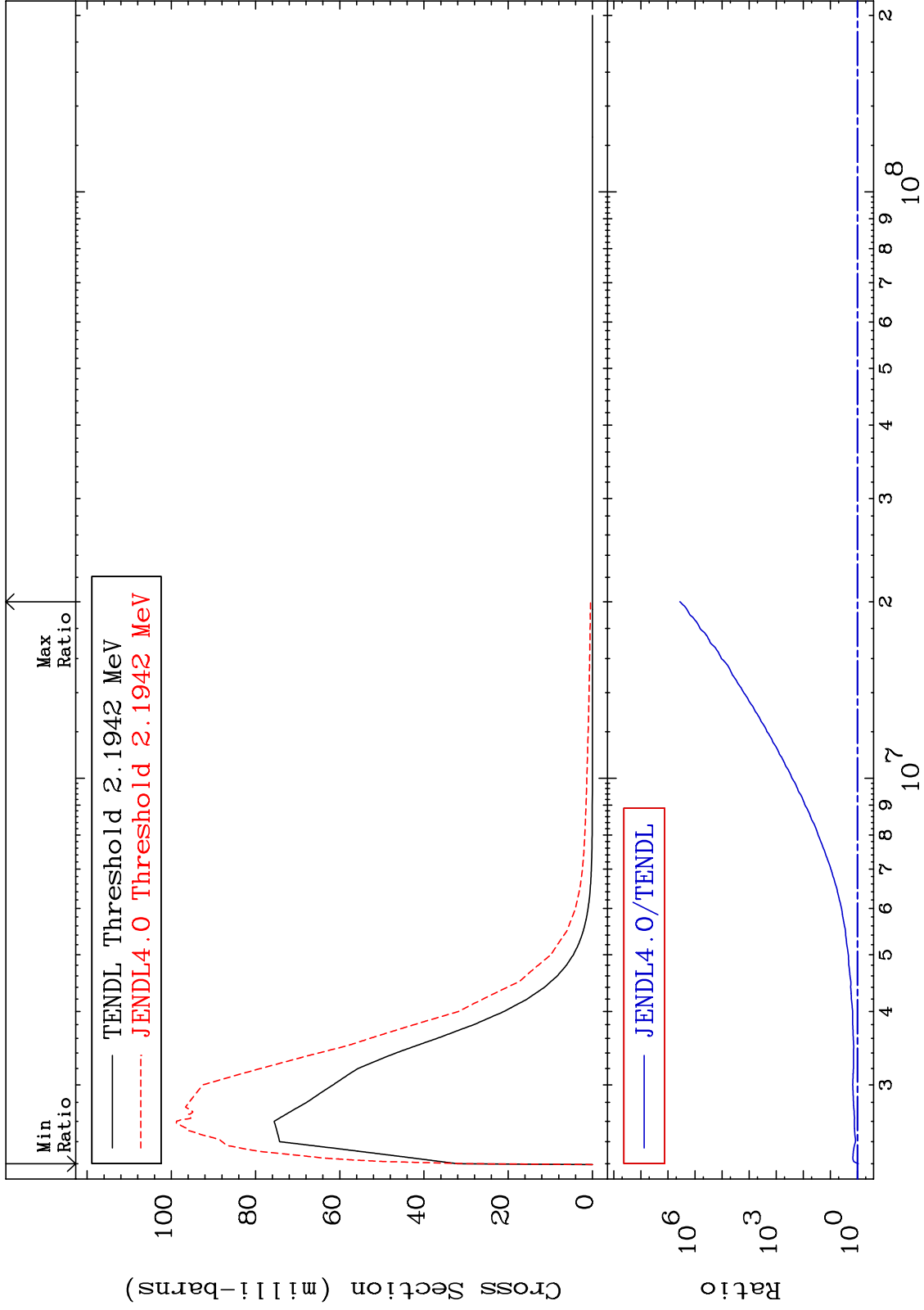
Incident Energy (eV)

60-Nd-144

MAT 6031

MT= 60 (n,n') Level
Cross Section

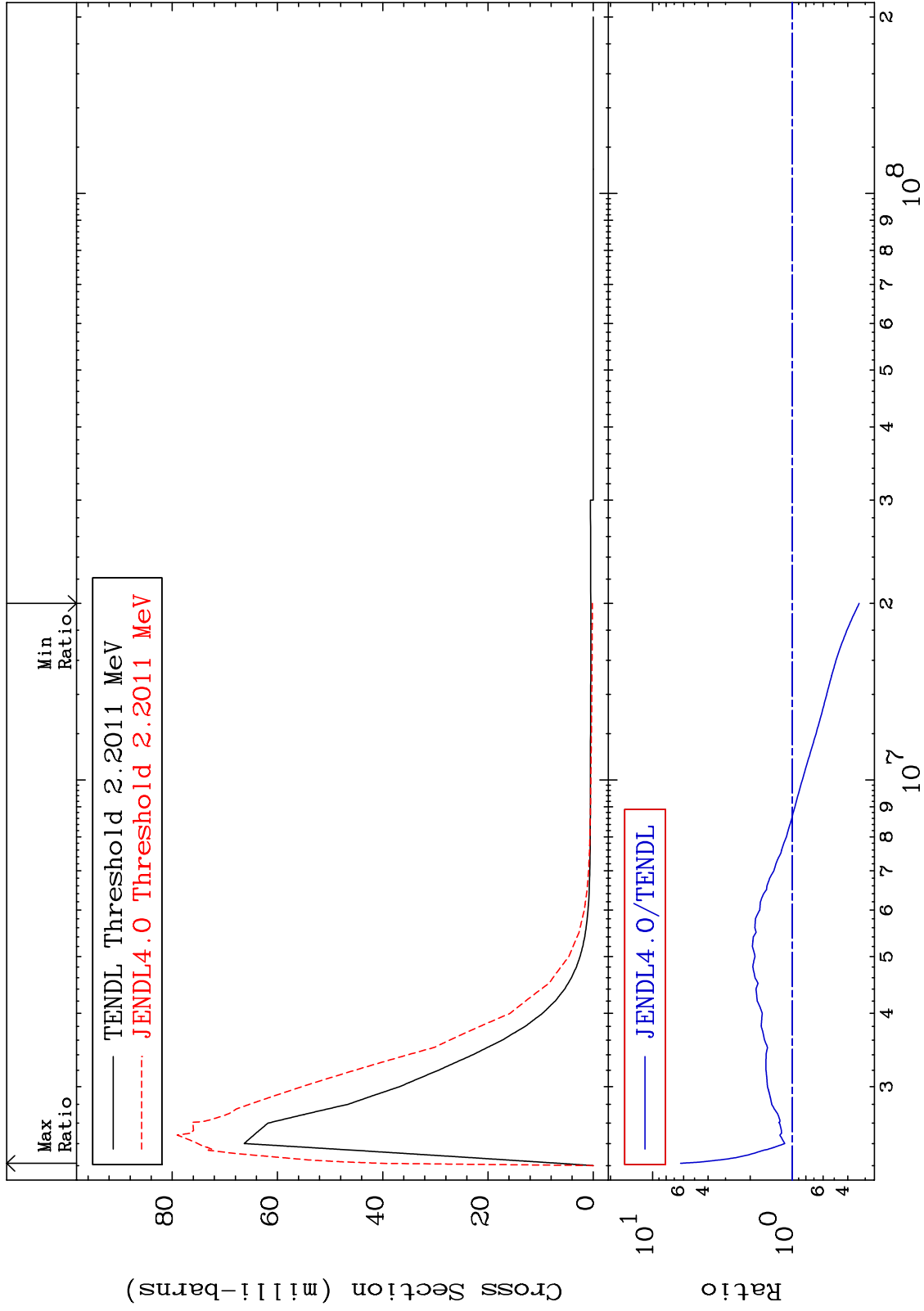
60-Nd-144
-7.037 To 9999. %



MAT 6031

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

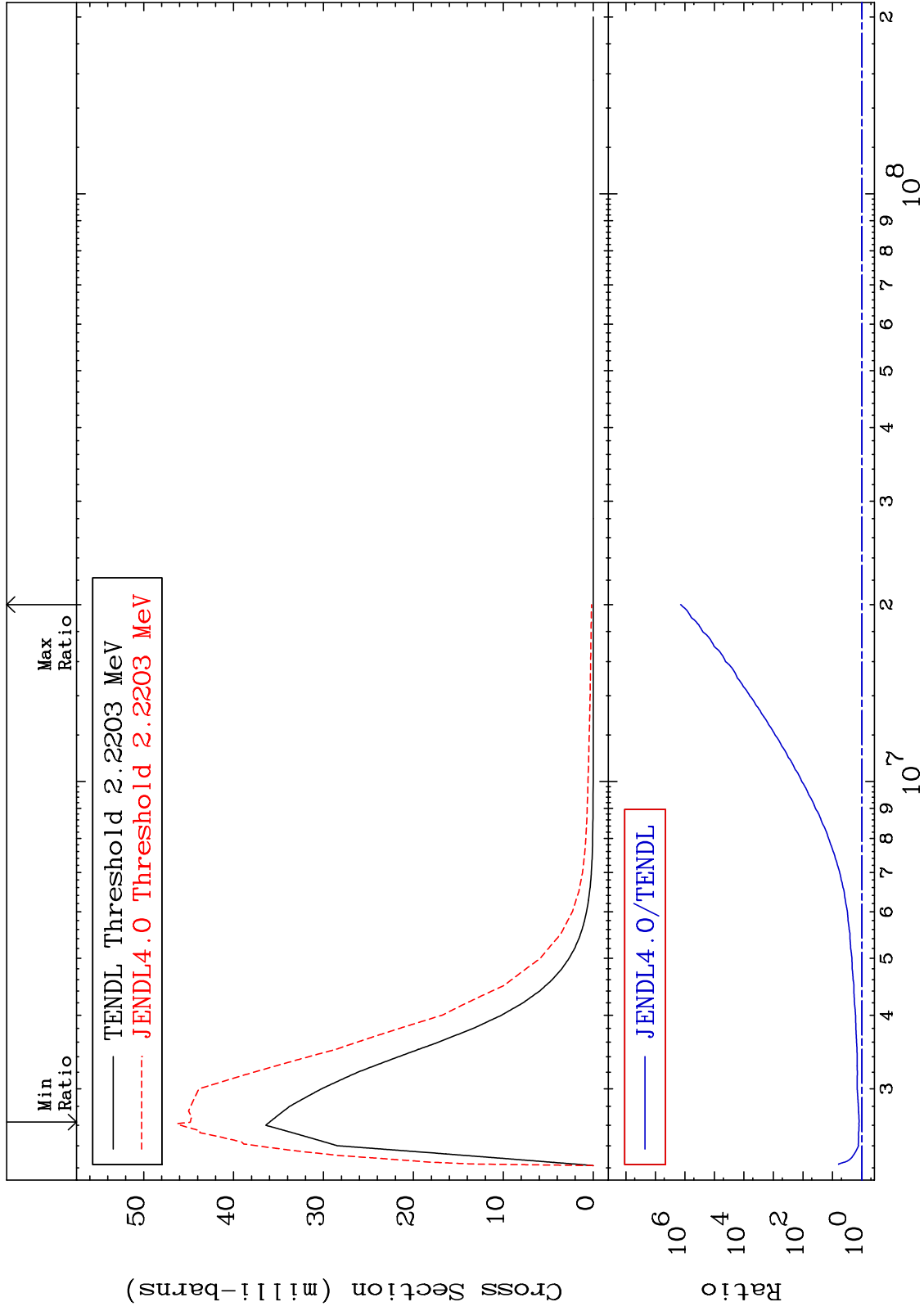
60-Nd-144
-66.85 To 529.8 %



MAT 6031

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

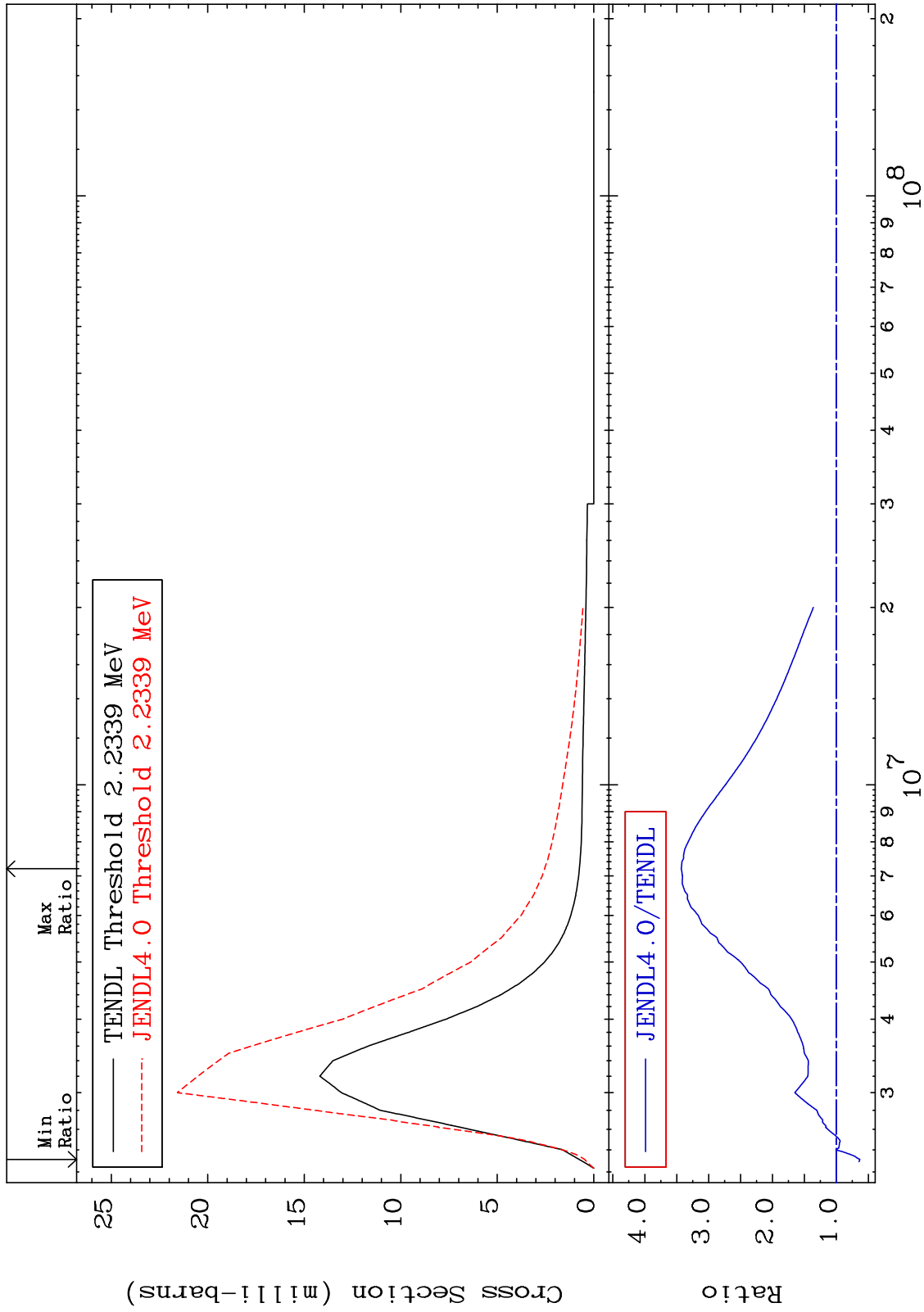
60-Nd-144
24.44 To 9999. %



MAT 6031

MT= 63 (n,n') Level
Cross Section

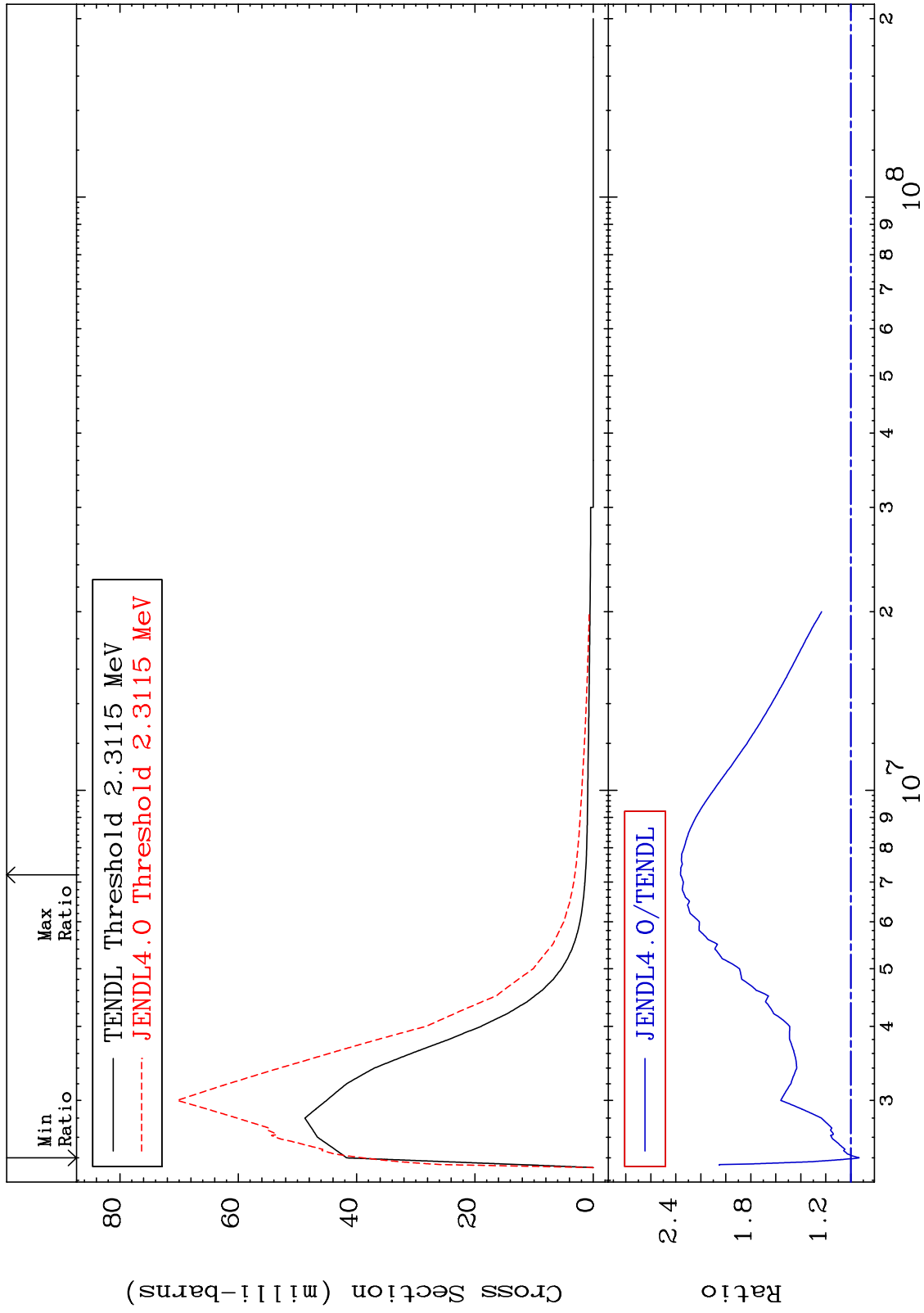
60-Nd-144
-36.89 To 242.9 %



MAT 6031

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

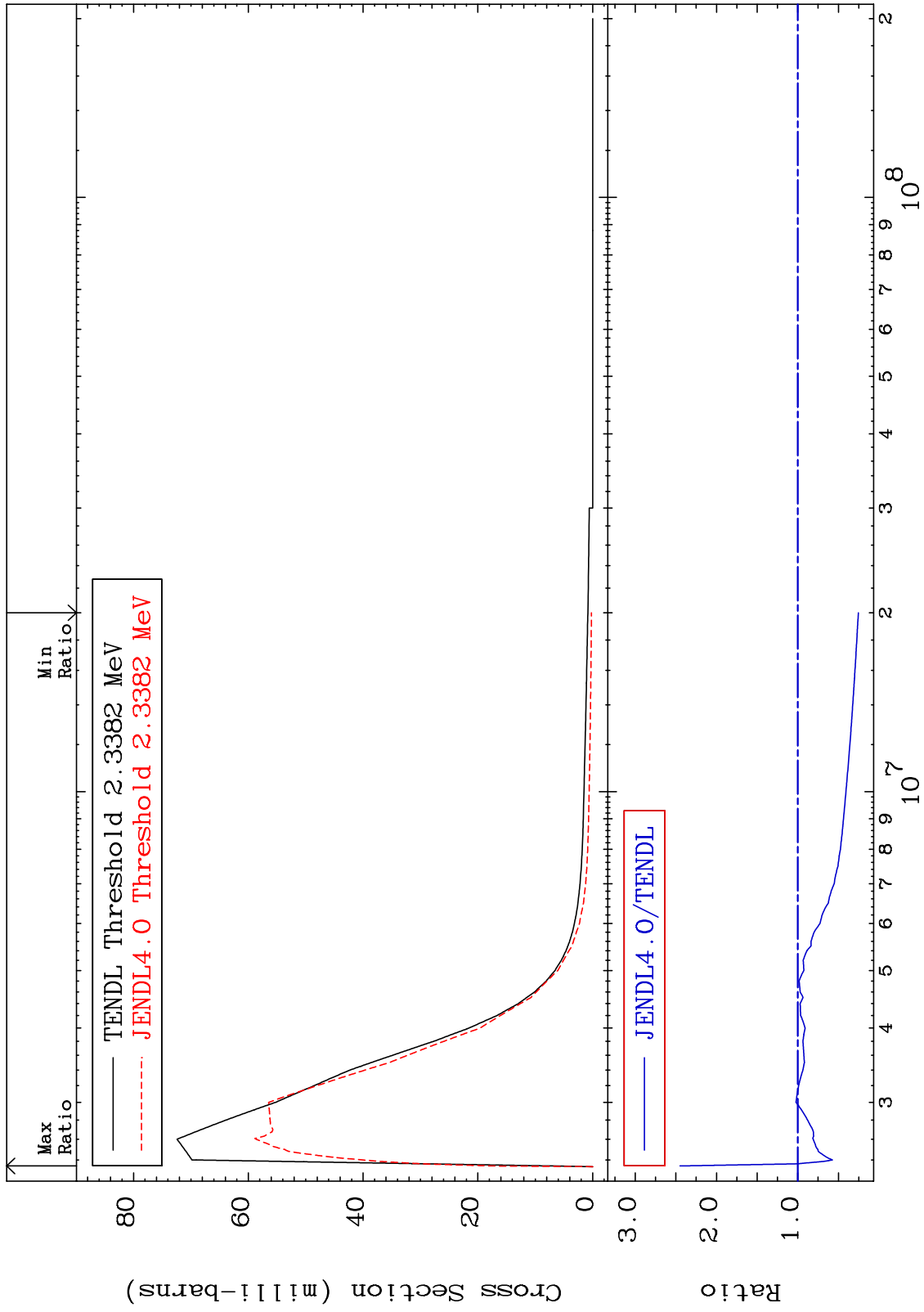
60-Nd-144
-6.703 To 136.2 %



MAT 6031

MT= 65 (n,n') Level
Cross Section

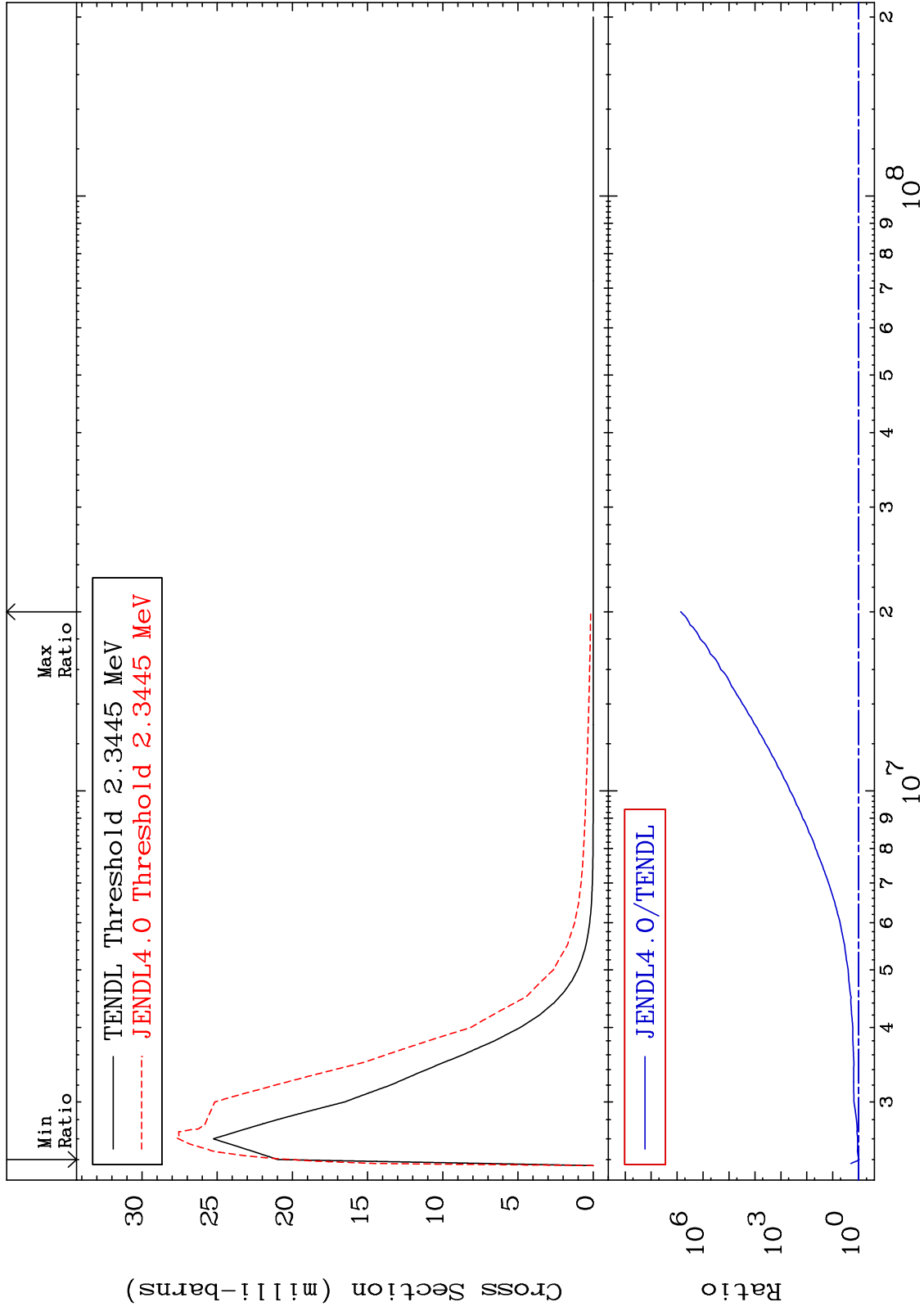
60-Nd-144
-74.58 To 144.9 %



MAT 6031

MT= 66 (n,n') Level
Cross Section

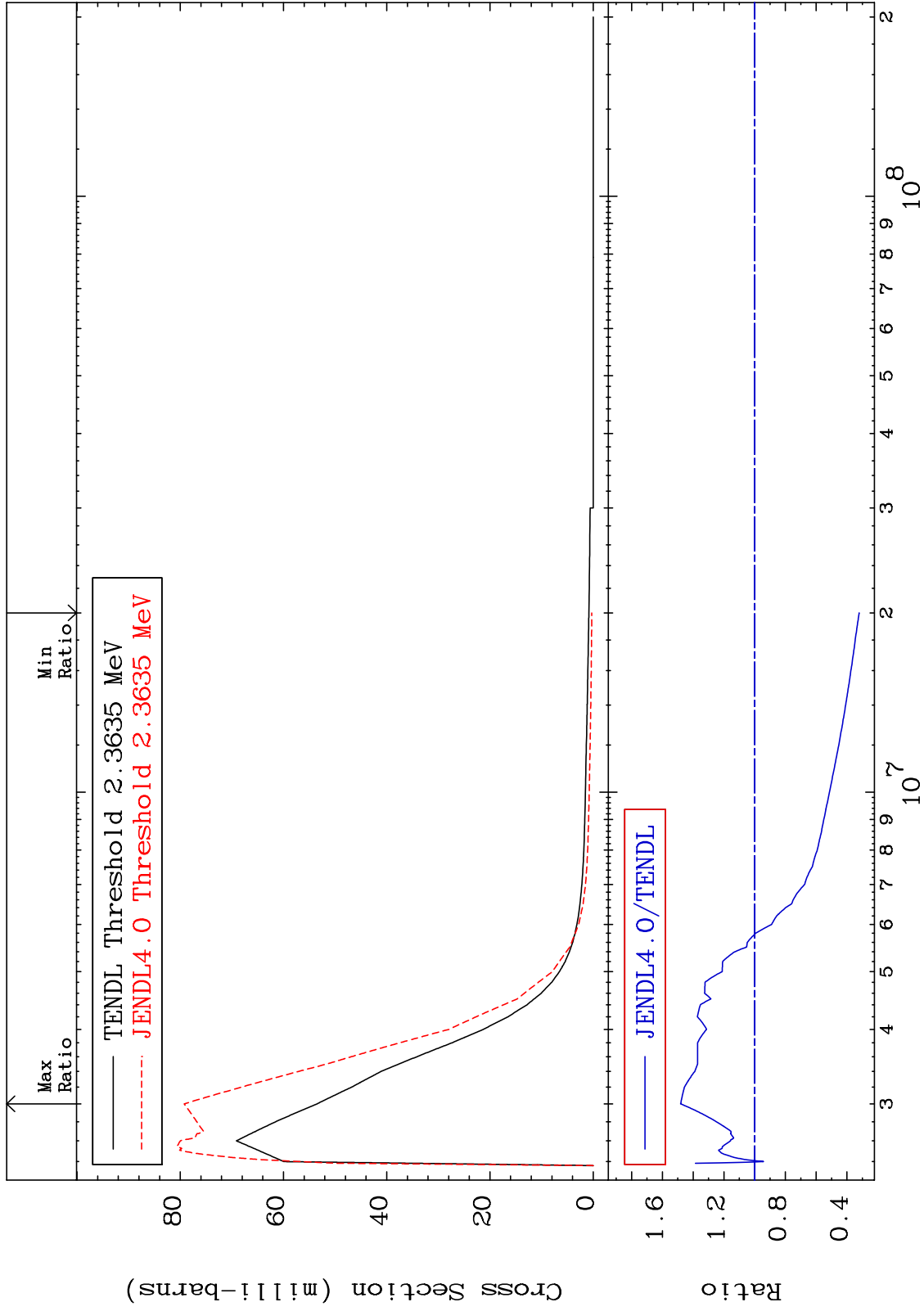
60-Nd-144
-4.265 To 9999. %



MAT 6031

MT= 67 (n,n') Level
Cross Section

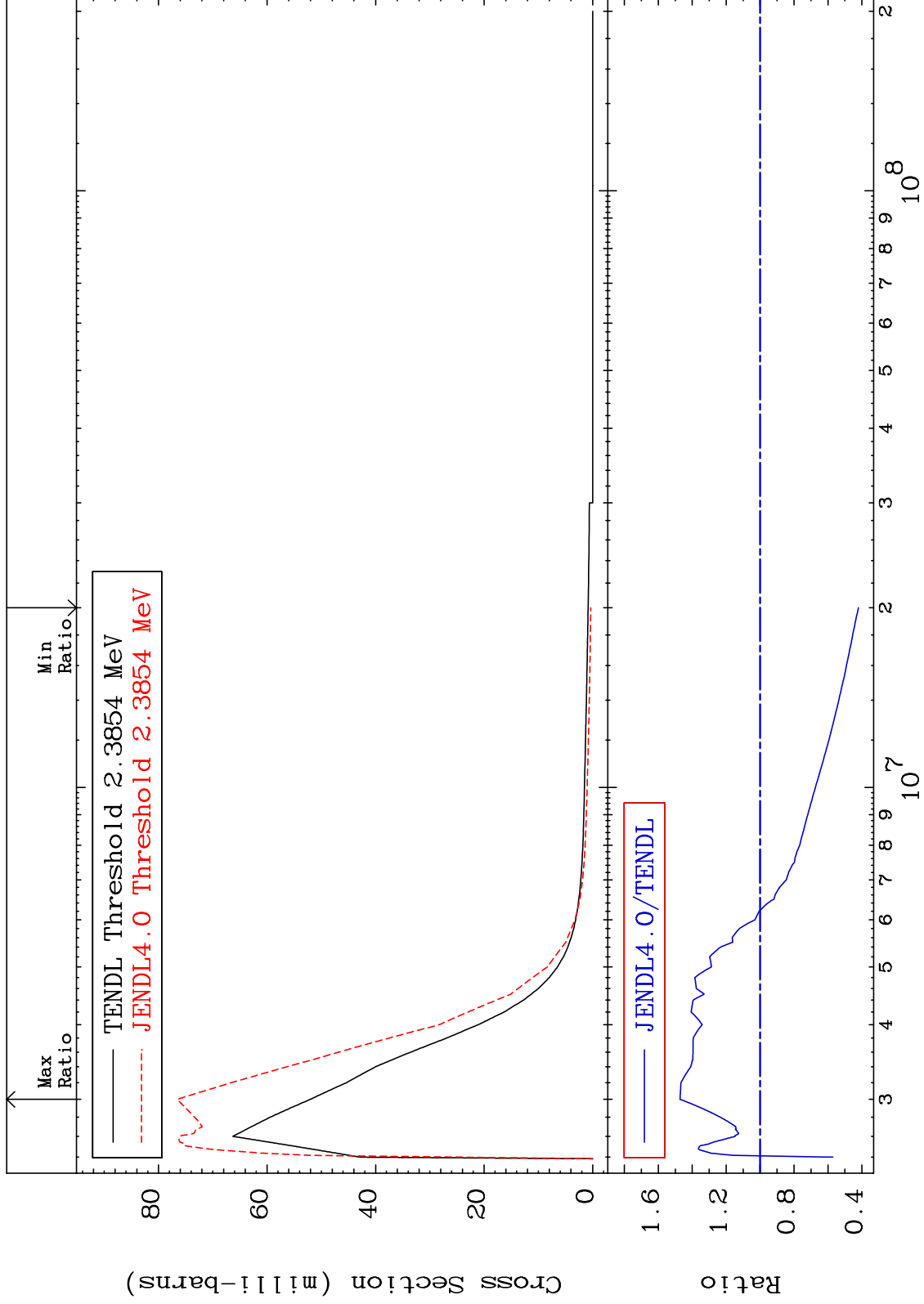
60-Nd-144
-67.93 To 48.13 %



MAT 6031

MT= 68 (n,n') Level
Cross Section

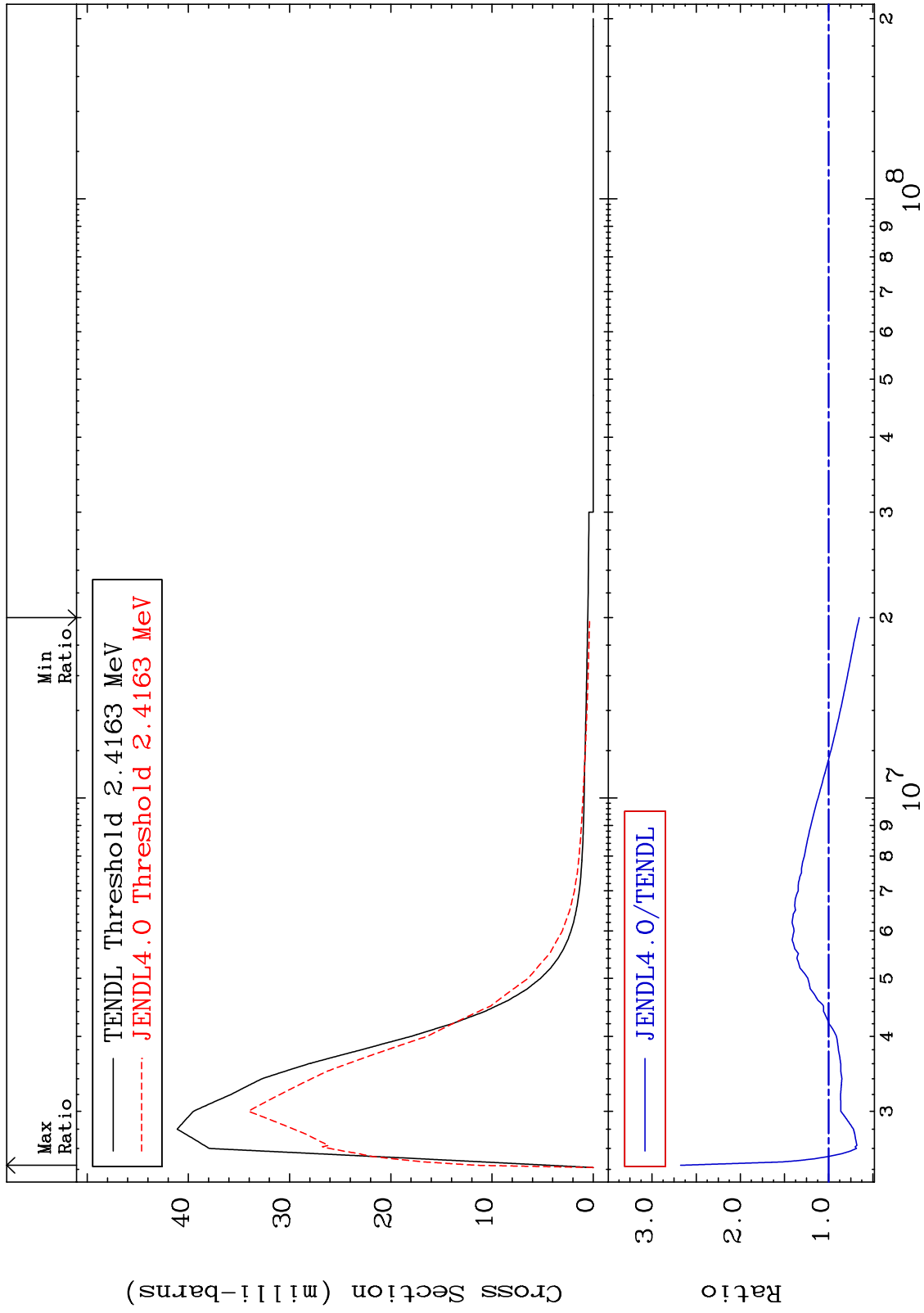
60-Nd-144
-57.97 To 47.22 %



MAT 6031

MT= 69 (n,n') Level
Cross Section

60-Nd-144
-34.54 To 167.6 %

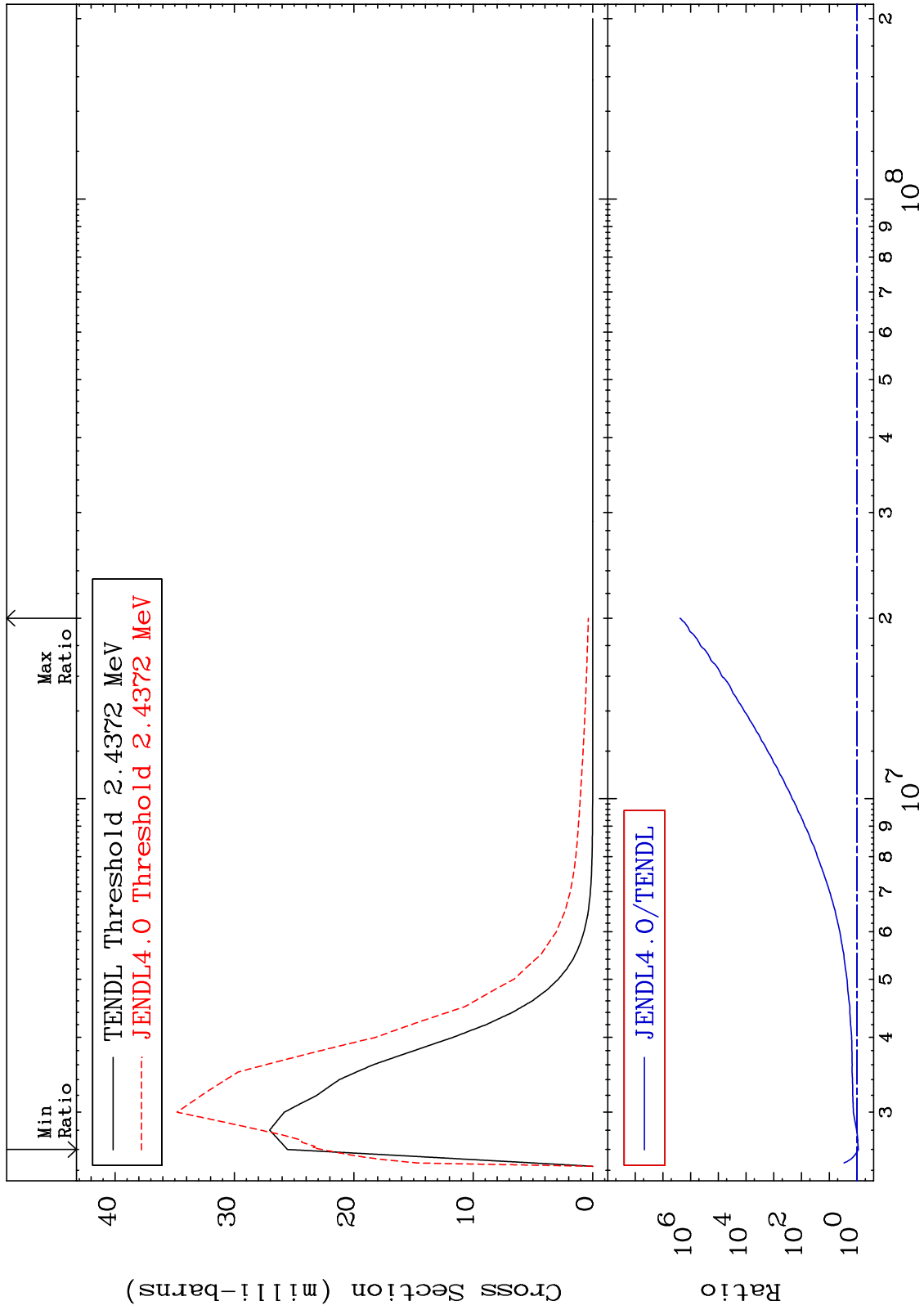


30

Incident Energy (eV)

60-Nd-144

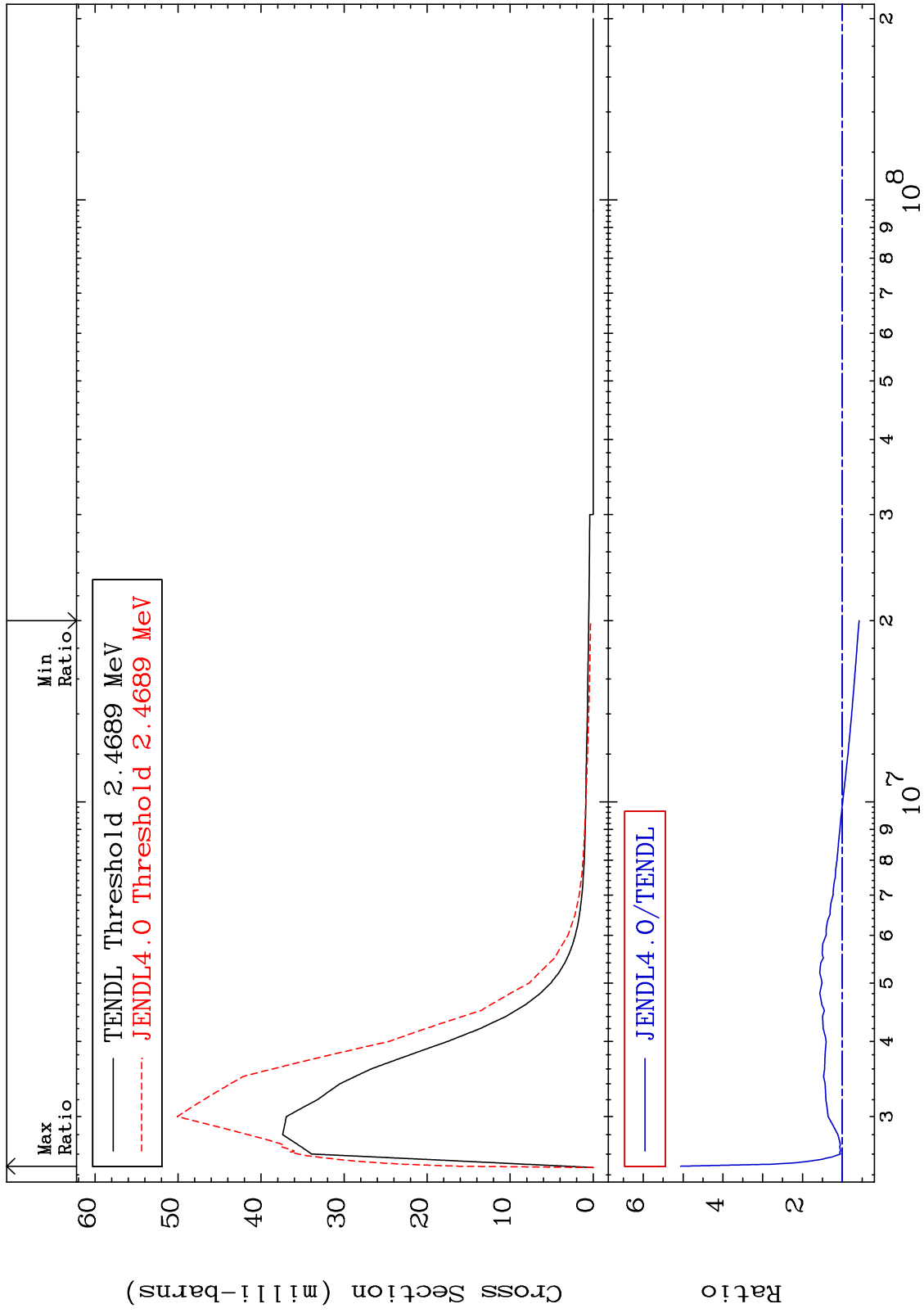
MAT 6031 MT= 70 (n,n') Level Cross Section 60-Nd-144 -11.27 To 9999. %



MAT 6031

MT= 71 (n,n') Level
Cross Section

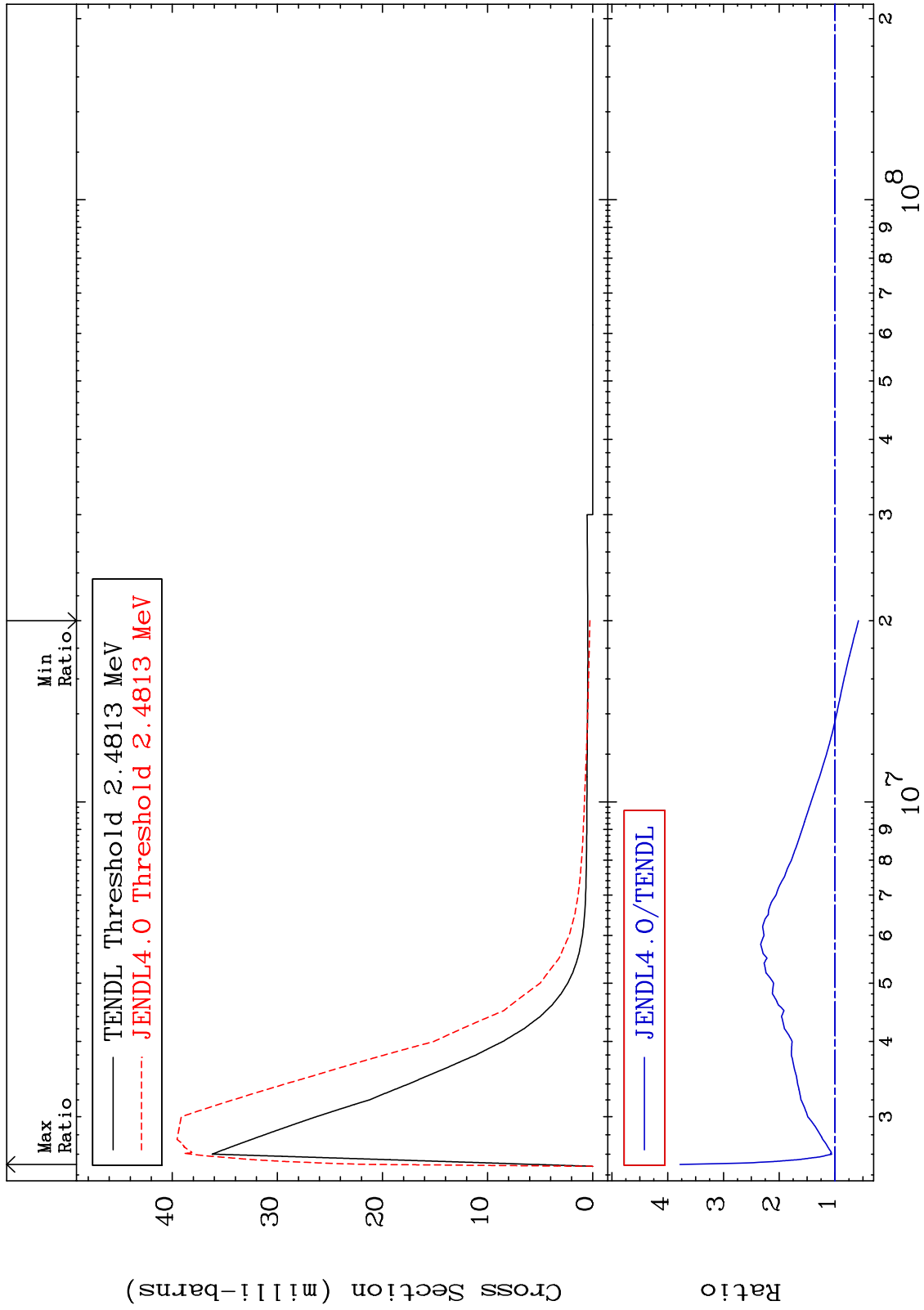
60-Nd-144
-42.39 To 406.2 %

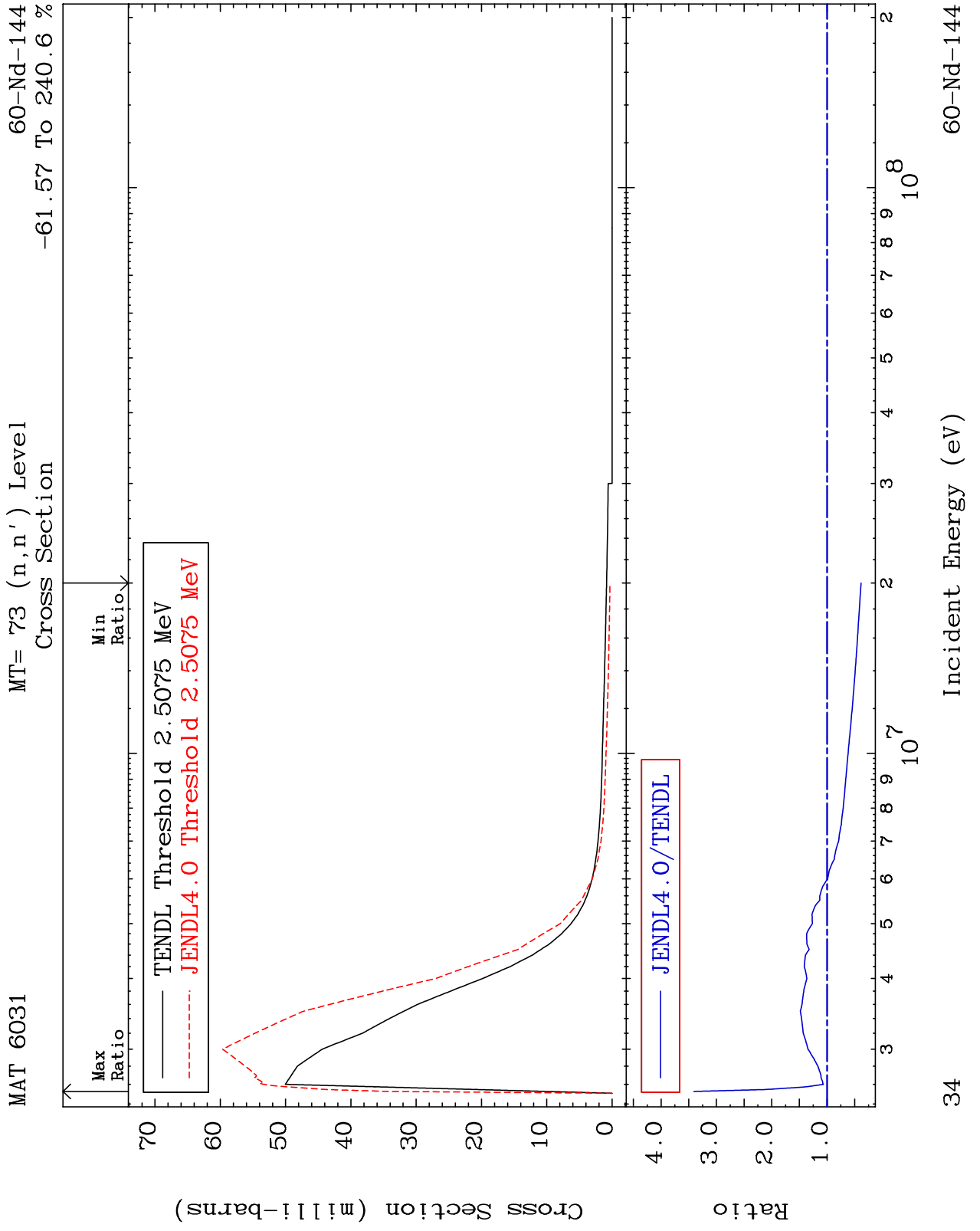


MAT 6031

MT= 72 (n,n') Level
Cross Section

60-Nd-144
-41.99 To 278.0 %

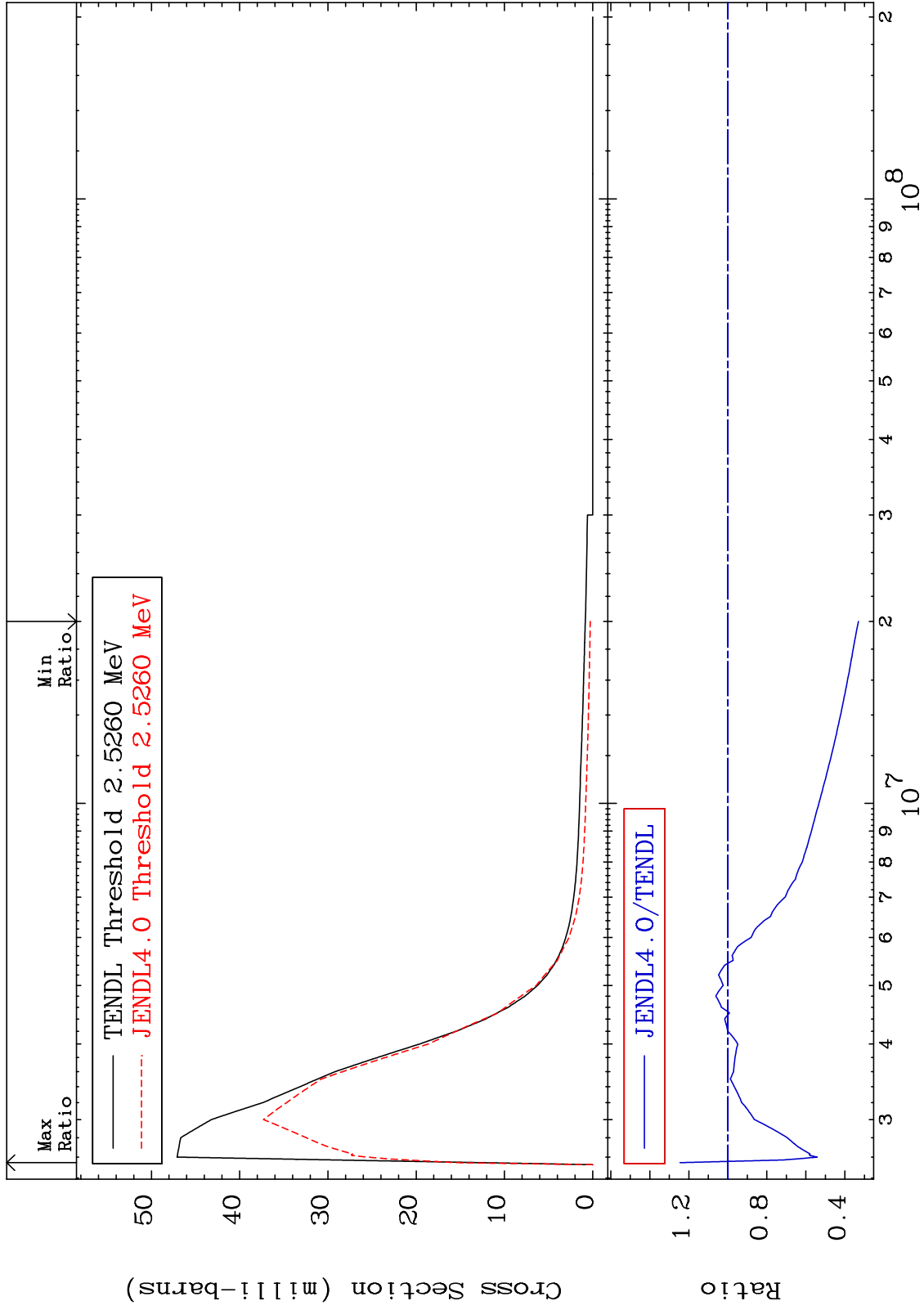




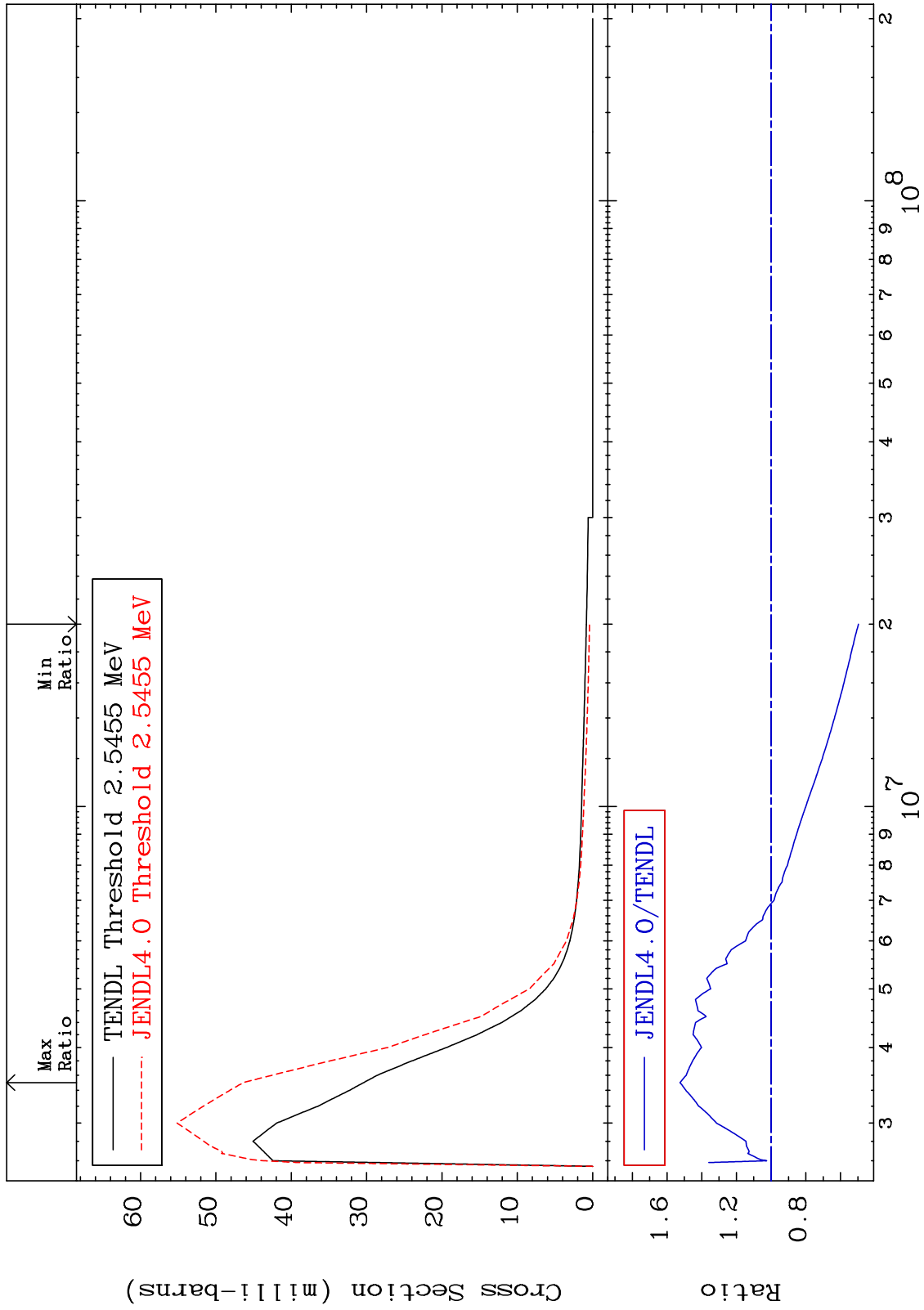
MAT 6031

MT= 74 (n,n') Level
Cross Section

60-Nd-144
-66.93 To 24.51 %



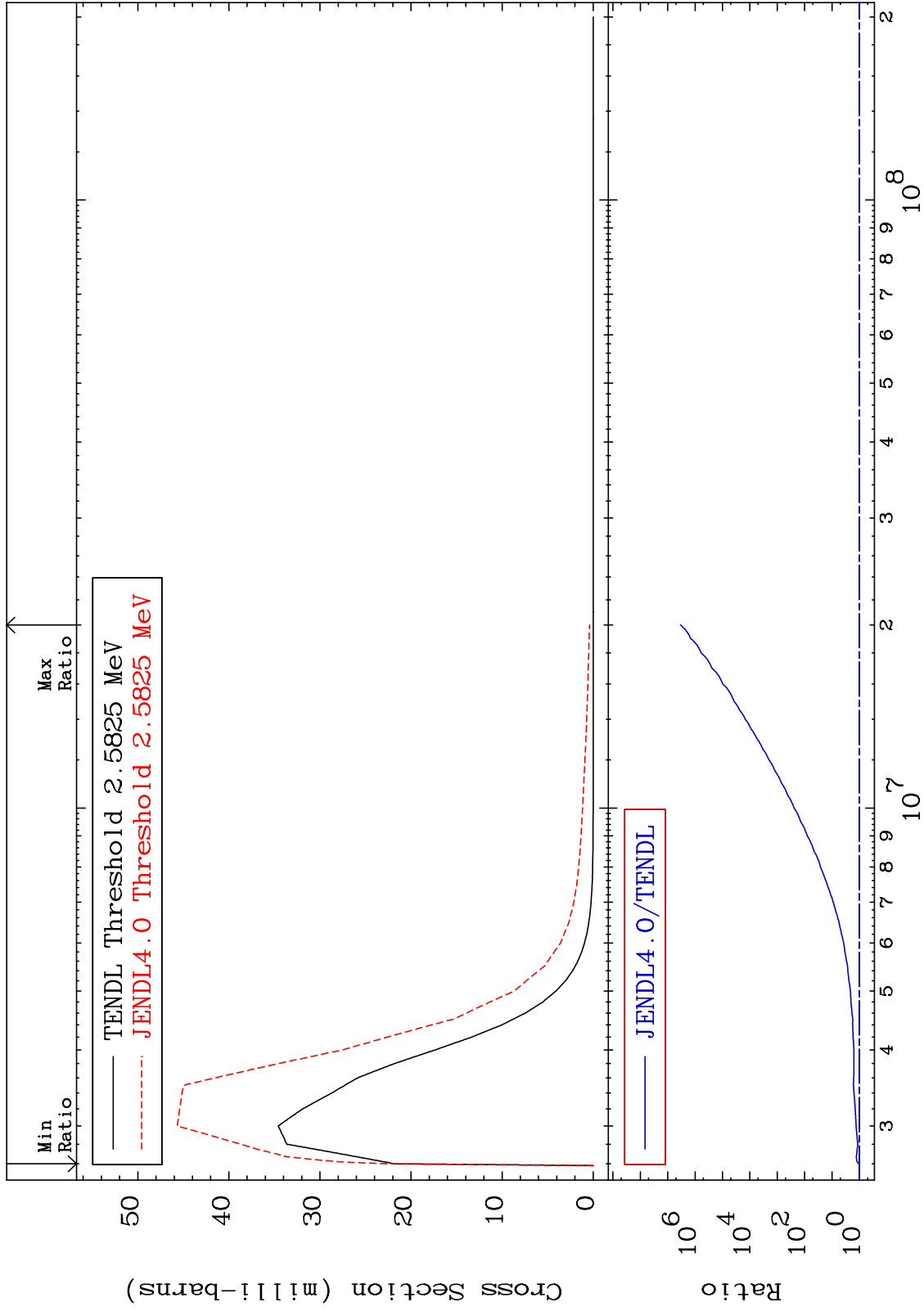
MAT 6031 MT= 75 (n,n') Level Cross Section 60-Nd-144
 -50.33 To 52.52 %



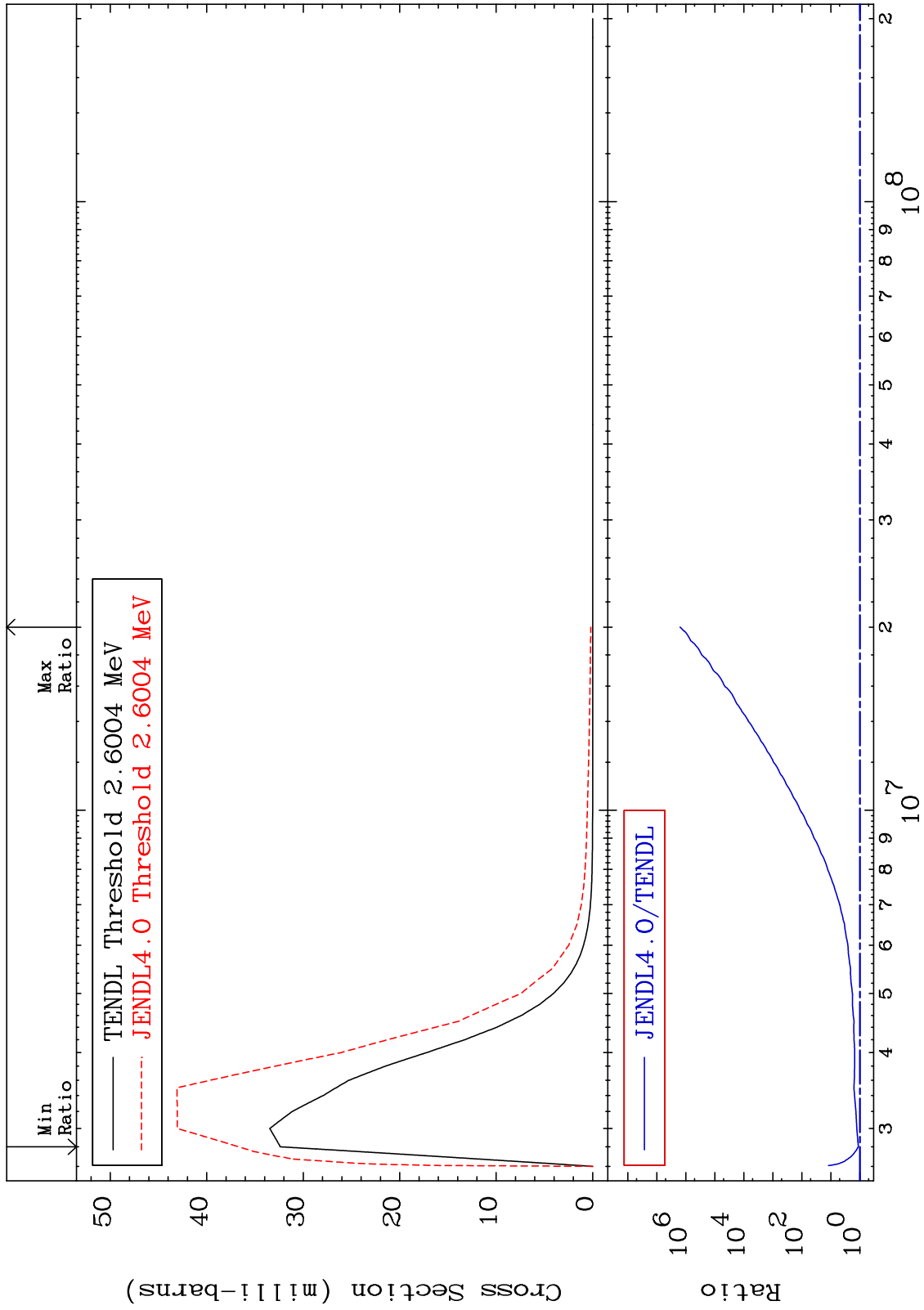
MAT 6031

MT= 76 (n,n') Level
Cross Section

60-Nd-144
1.881 To 9999. %



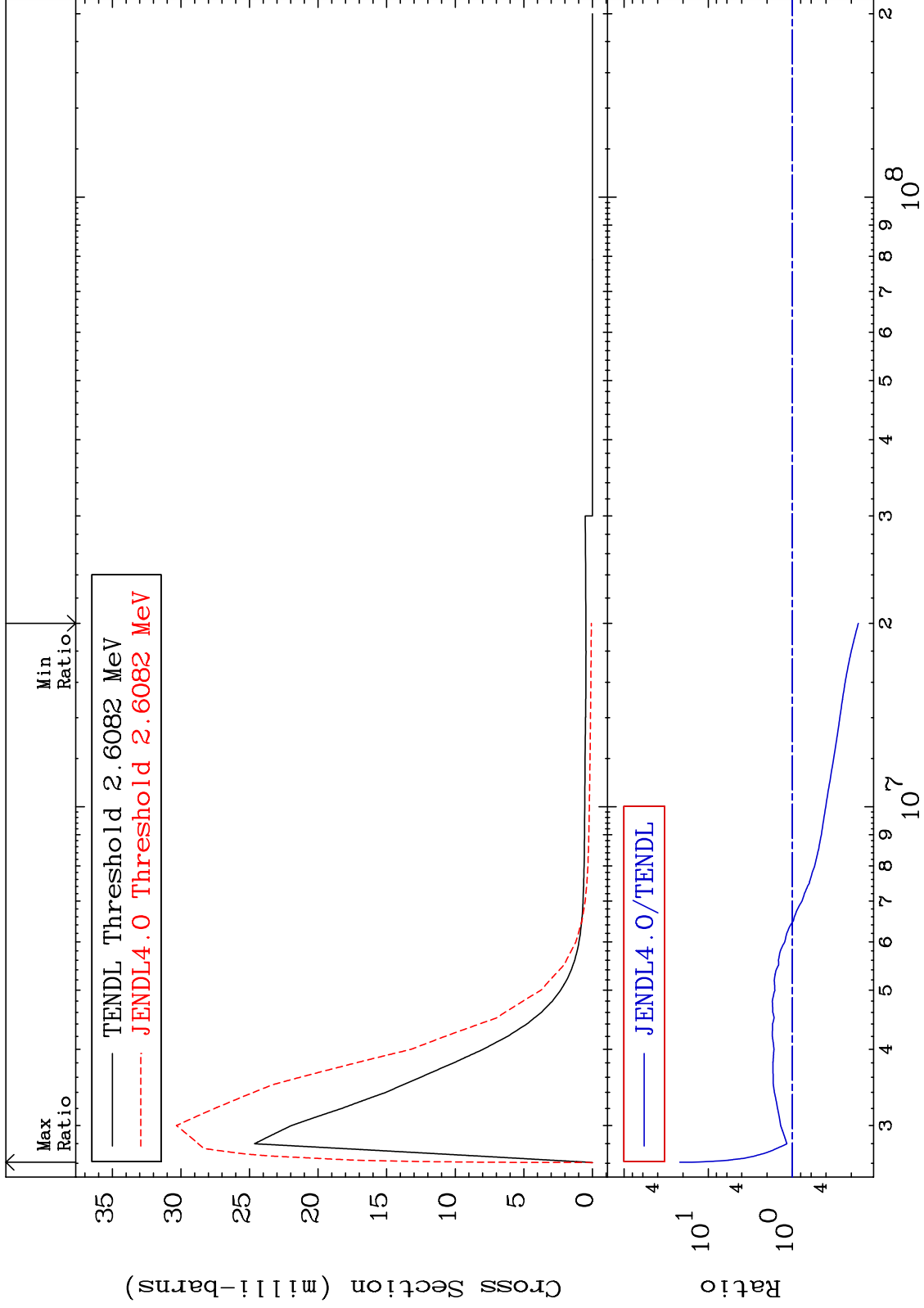
MAT 6031 MT= 77 (n,n') Level 60-Nd-144
 Cross Section 13.33 To 9999. %



MAT 6031

MT= 78 (n,n') Level
Cross Section

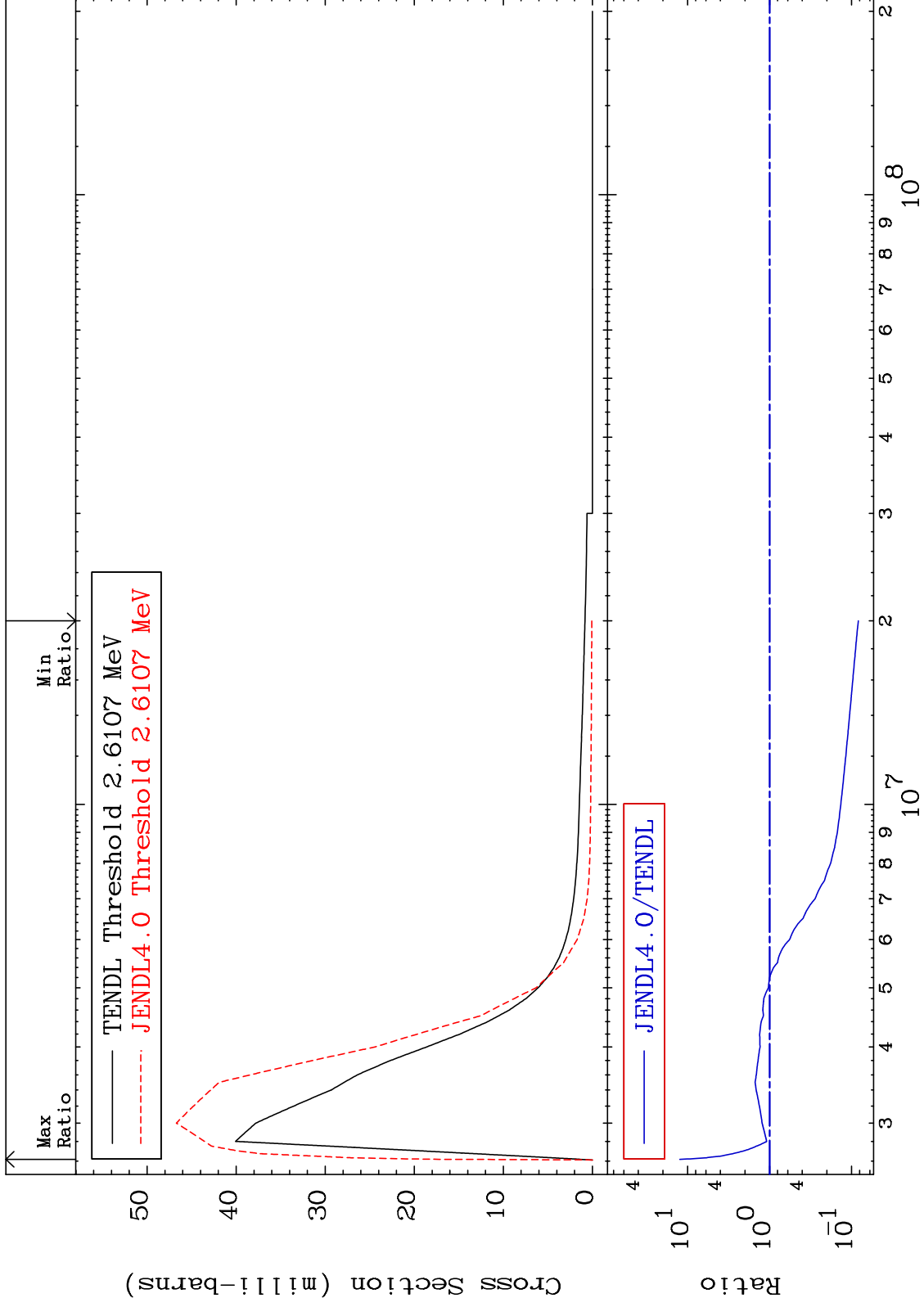
60-Nd-144
-83.51 To 2082. %



MAT 6031

MT= 79 (n,n') Level
Cross Section

60-Nd-144
-91.72 To 1147. %



40

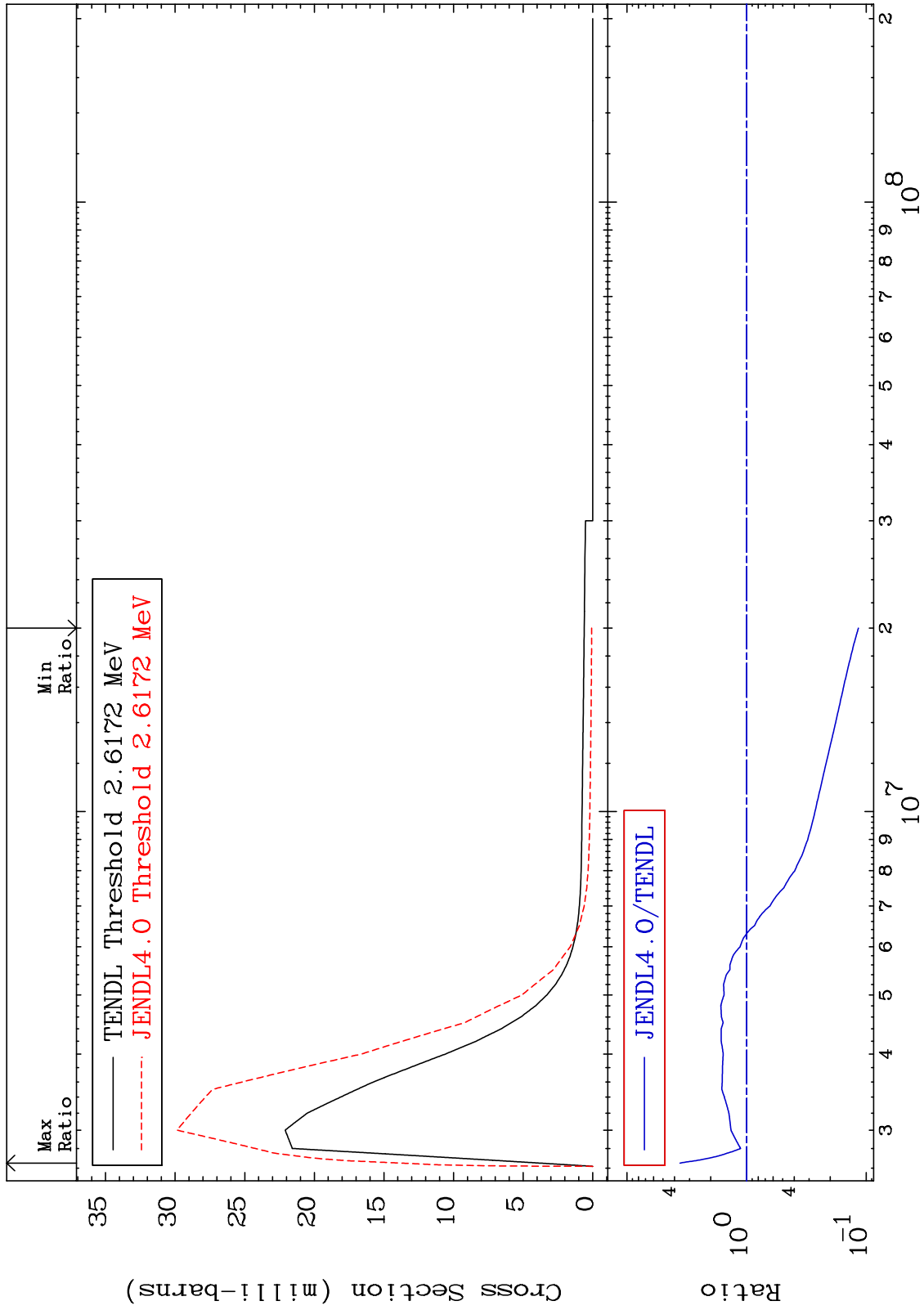
Incident Energy (eV)

60-Nd-144

MAT 6031

MT= 80 (n,n') Level
Cross Section

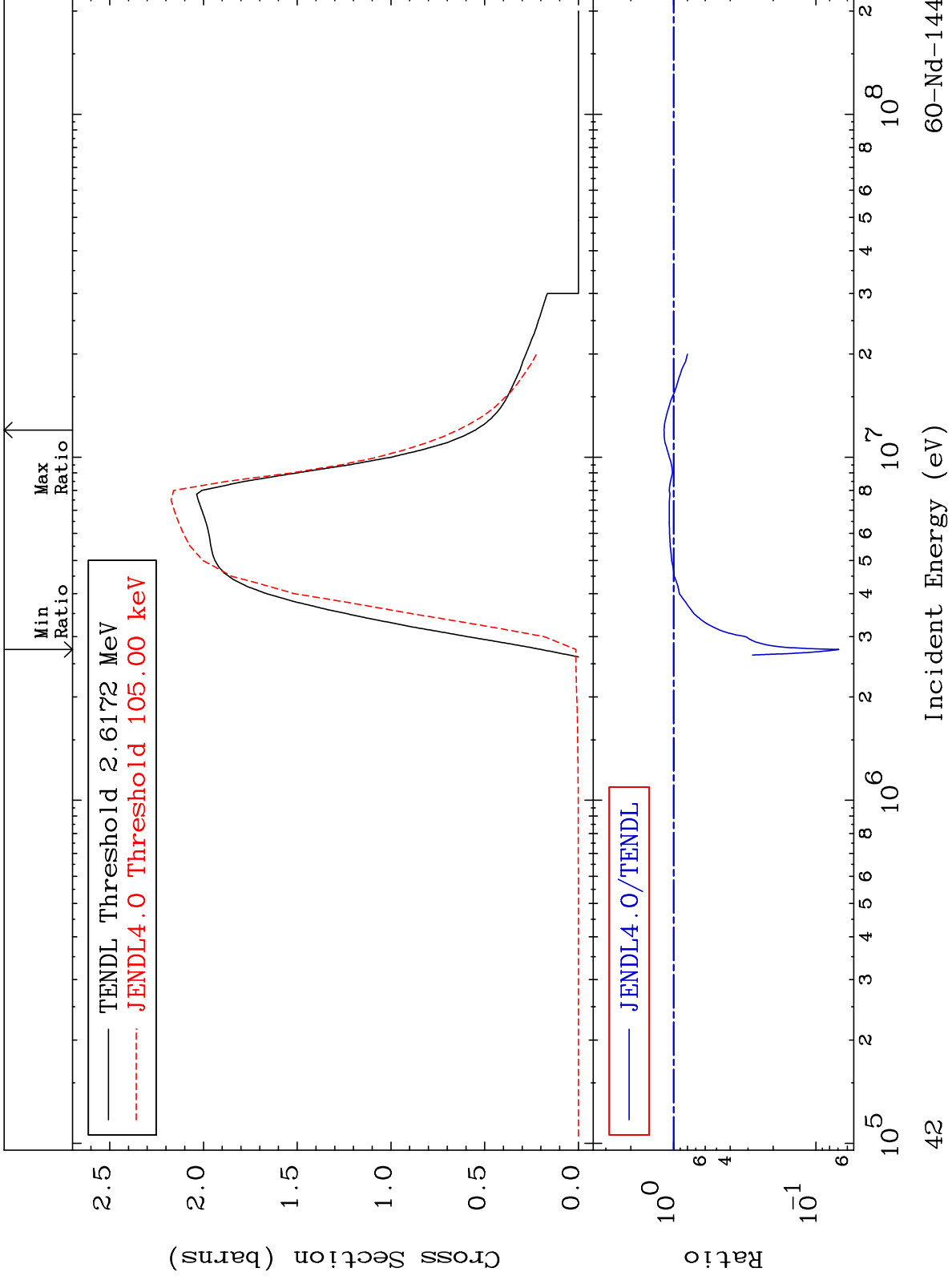
60-Nd-144
-88.38 To 260.4 %



MAT 6031

(n, n') Continuum
Cross Section

60-Nd-144
-93.10 To 16.93 %



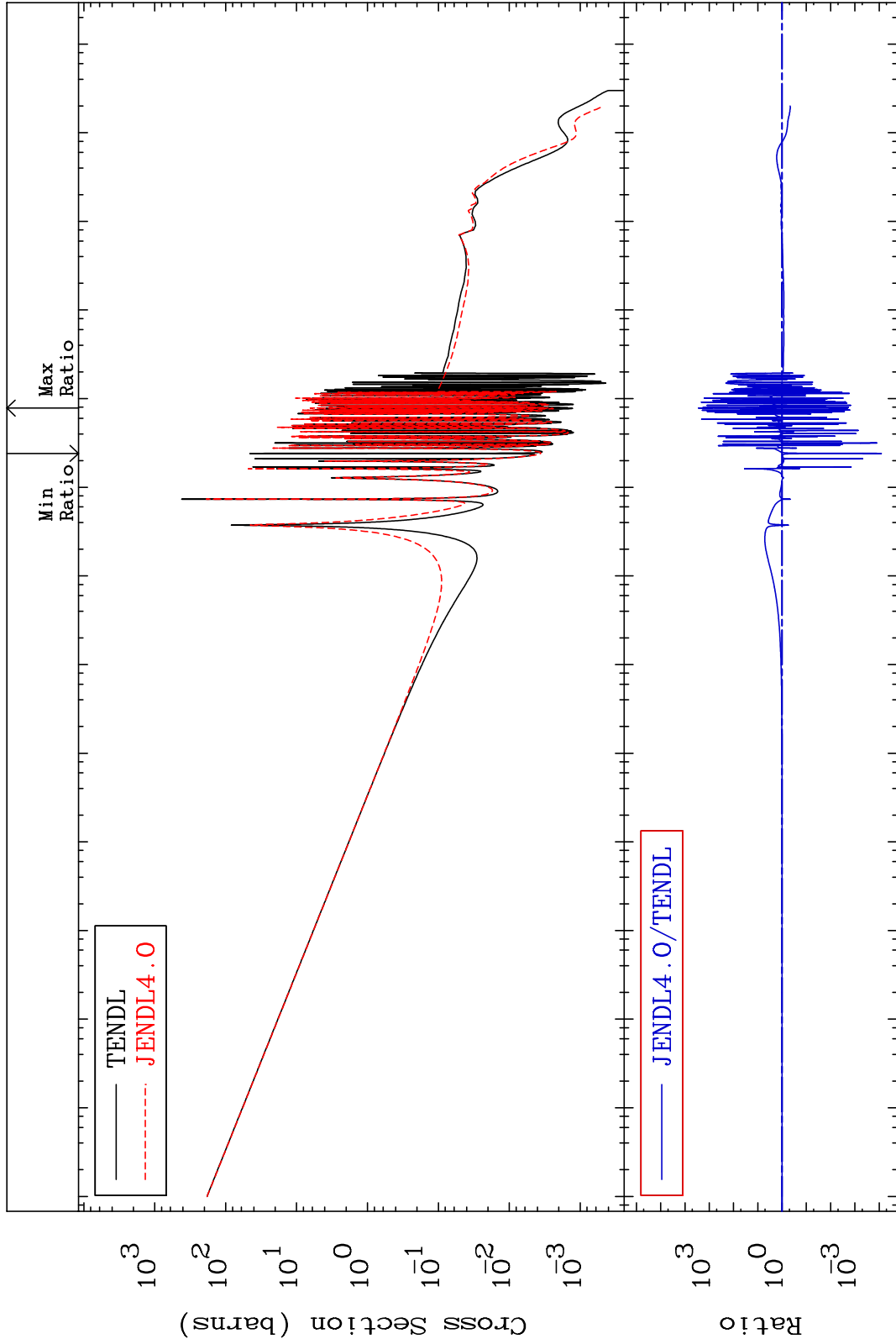
MAT 6031

(n, γ)

60-Nd-144

Cross Section

-99.99 To 9999. %



Incident Energy (eV) 60-Nd-144

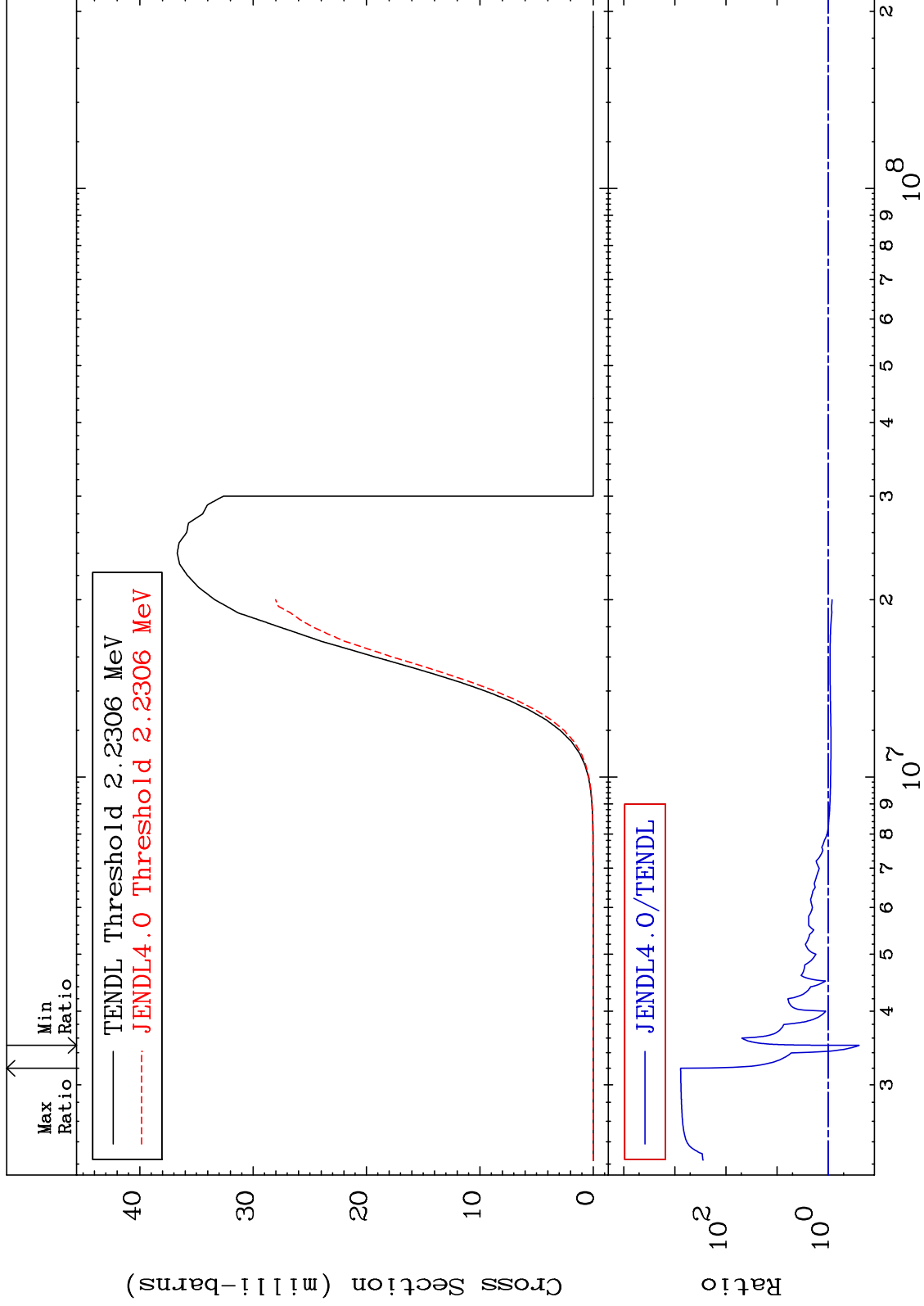
MAT 6031

(n,p)

60-Nd-144

Cross Section

-75.20 To 9999. %



MAT 6031

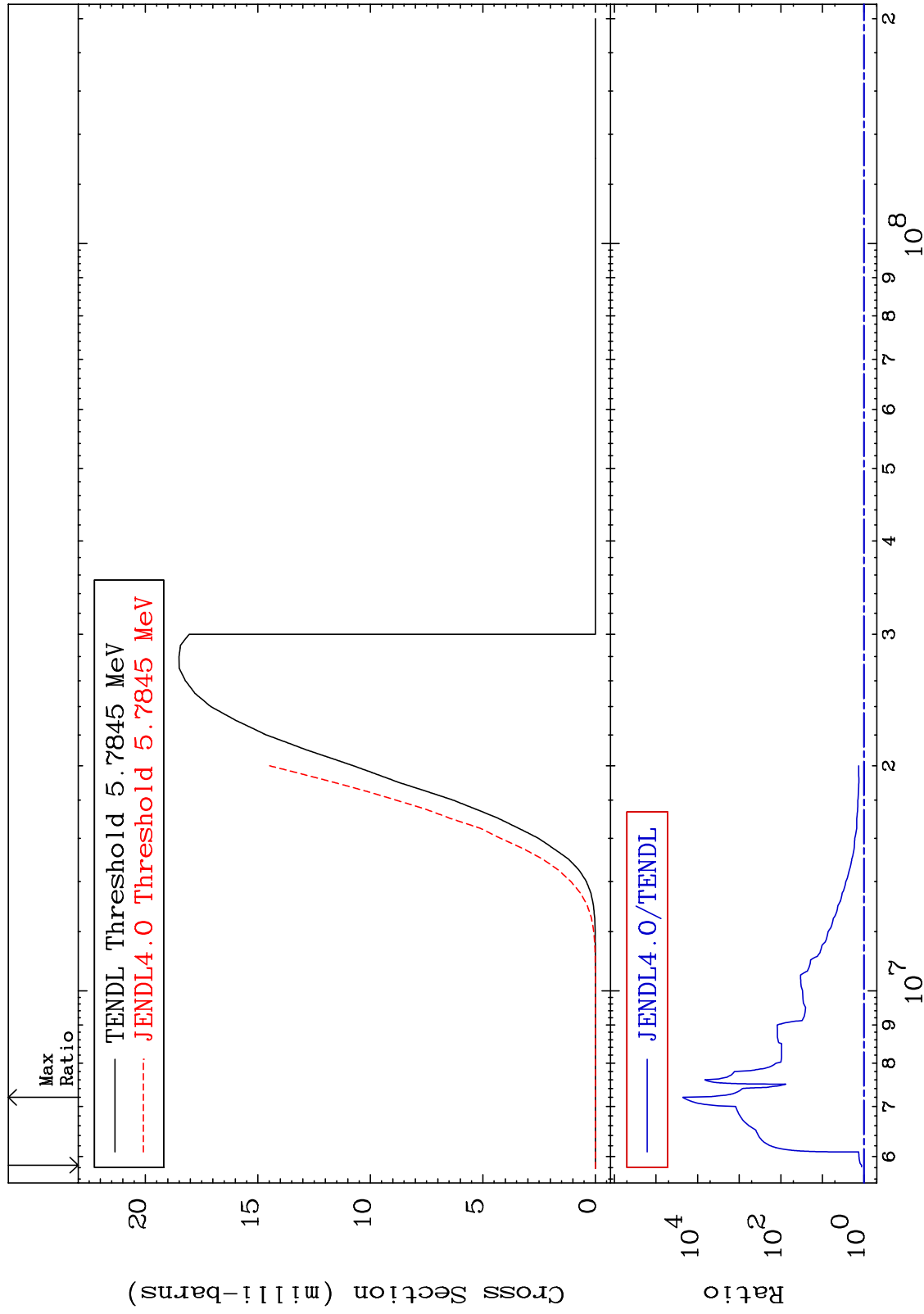
(n, d)

60-Nd-144

Cross Section

14.36

To 9999. %



45

Incident Energy (eV)

60-Nd-144

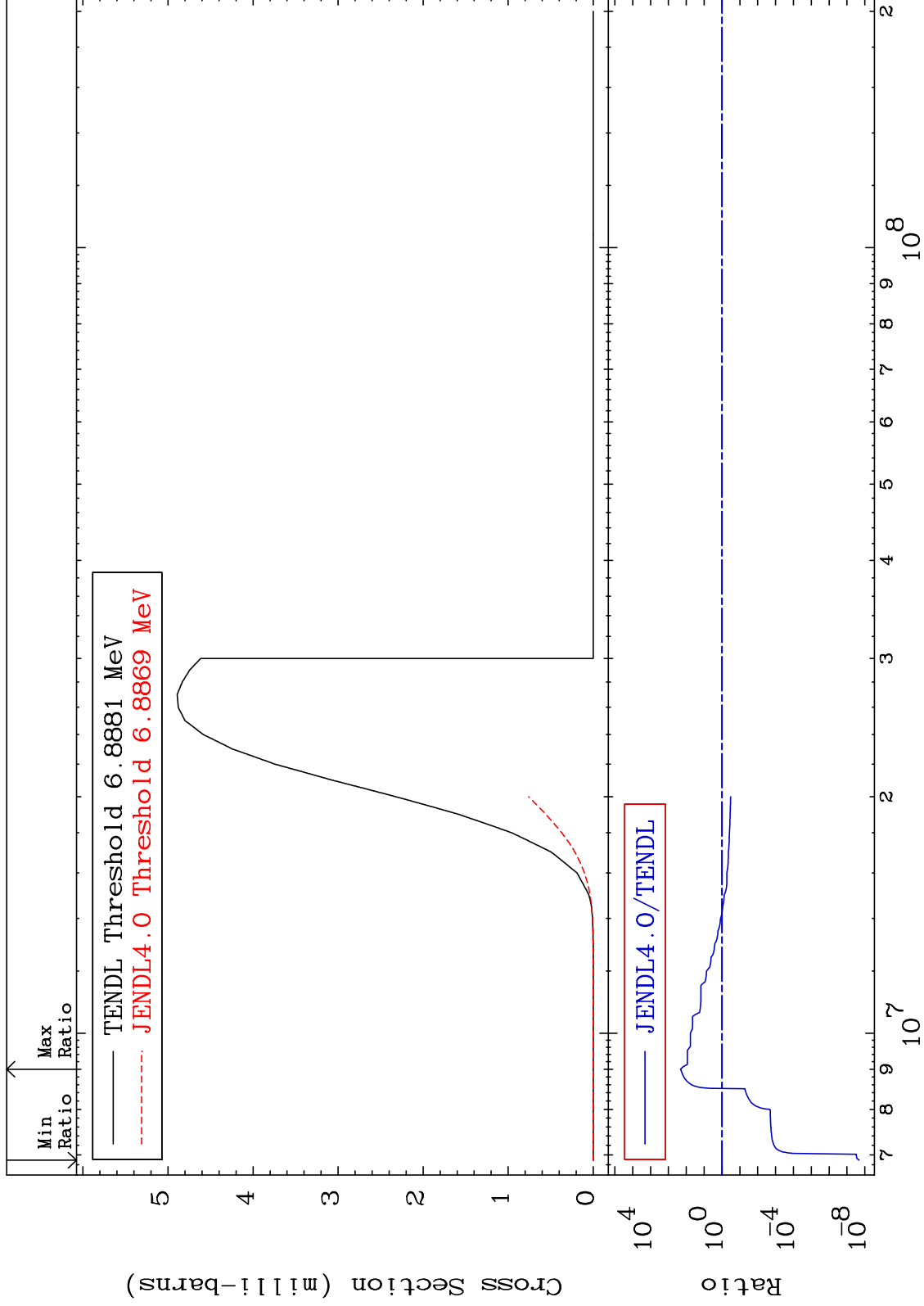
MAT 6031

(n, t)

60-Nd-144

Cross Section

-100.0 To 9999. %



46

60-Nd-144

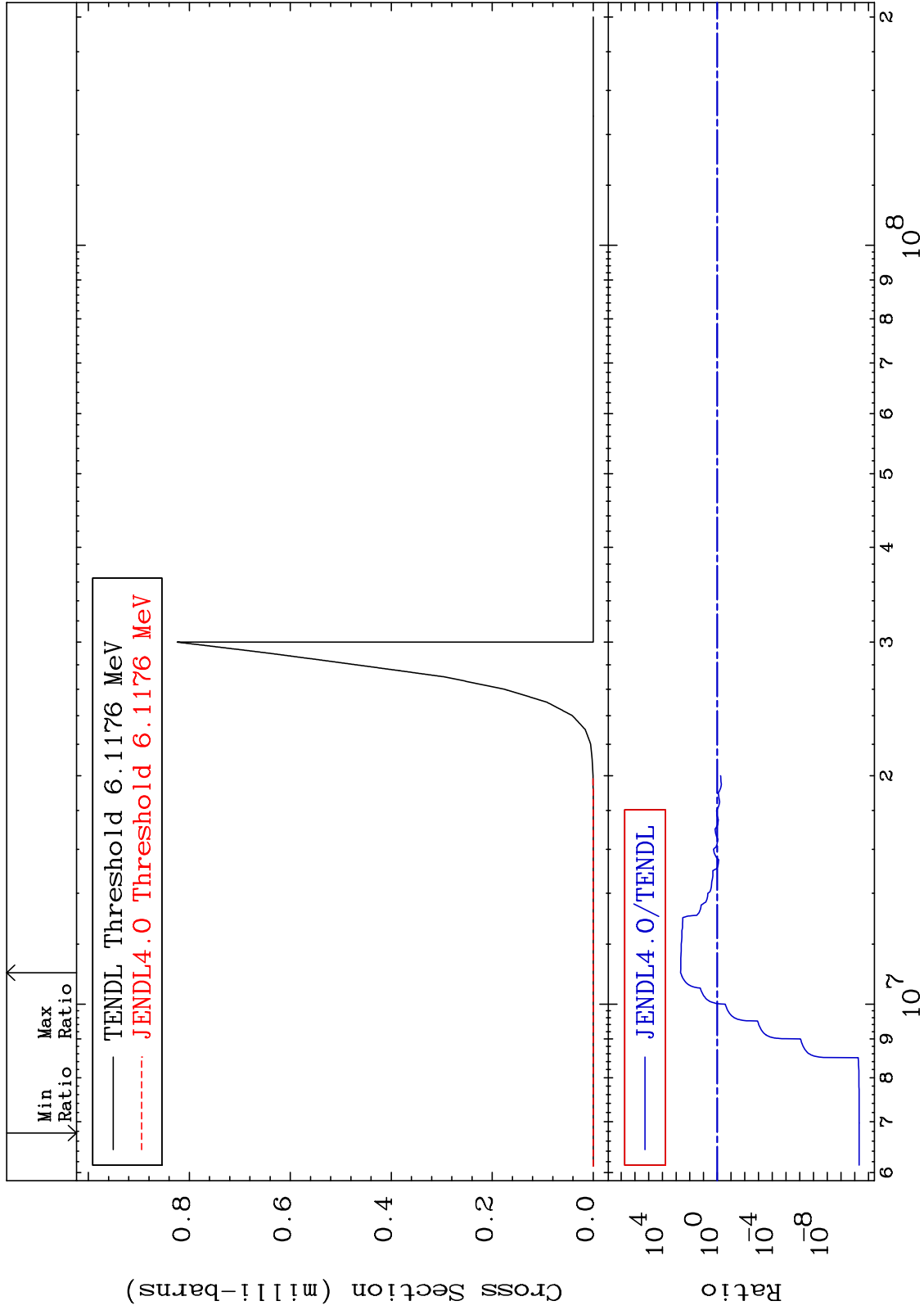
MAT 6031

(n, He-3)

60-Nd-144

Cross Section

-100.0 To 9999. %



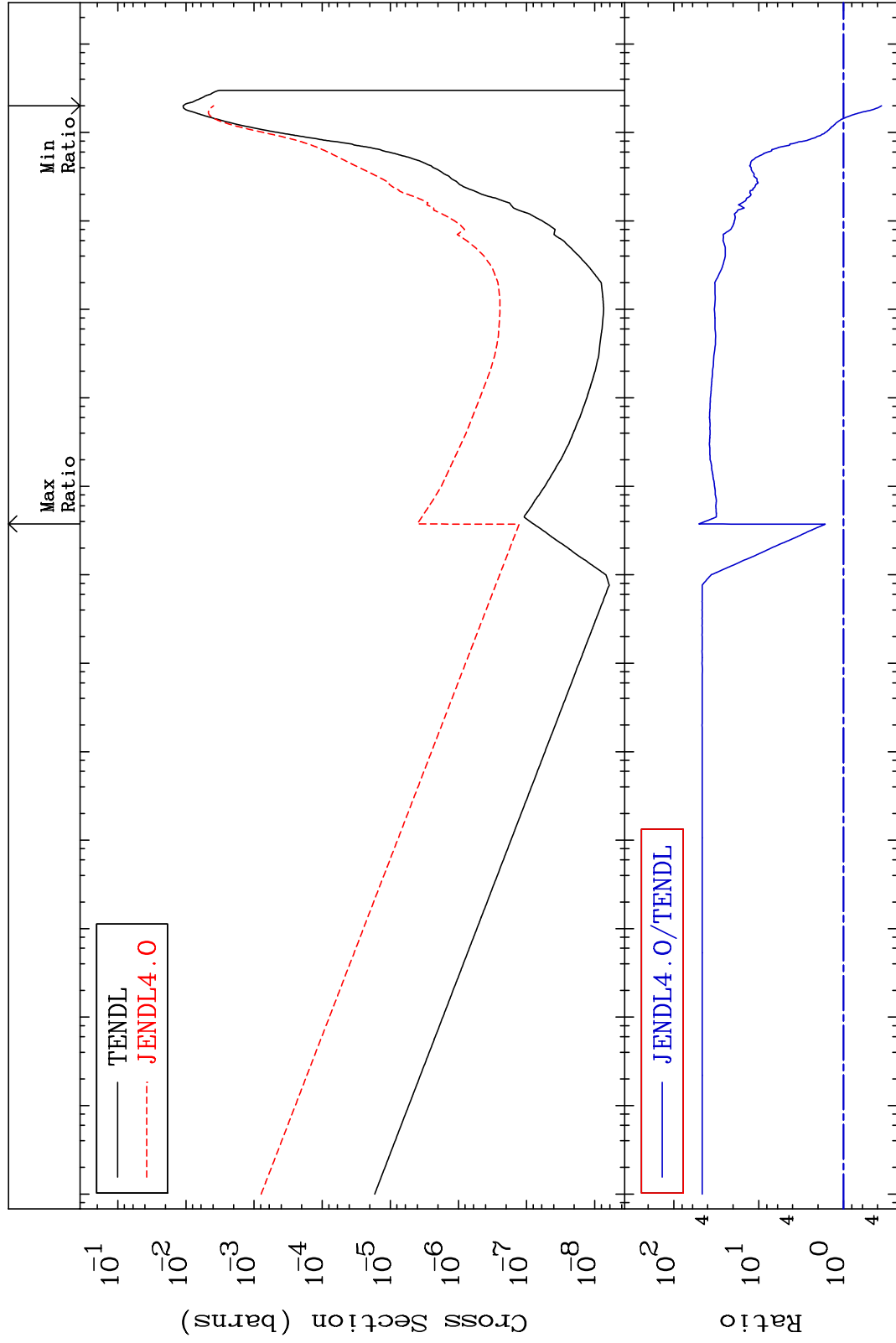
MAT 6031

(n, α)

60-Nd-144

Cross Section

-64.29 To 4987. %



48

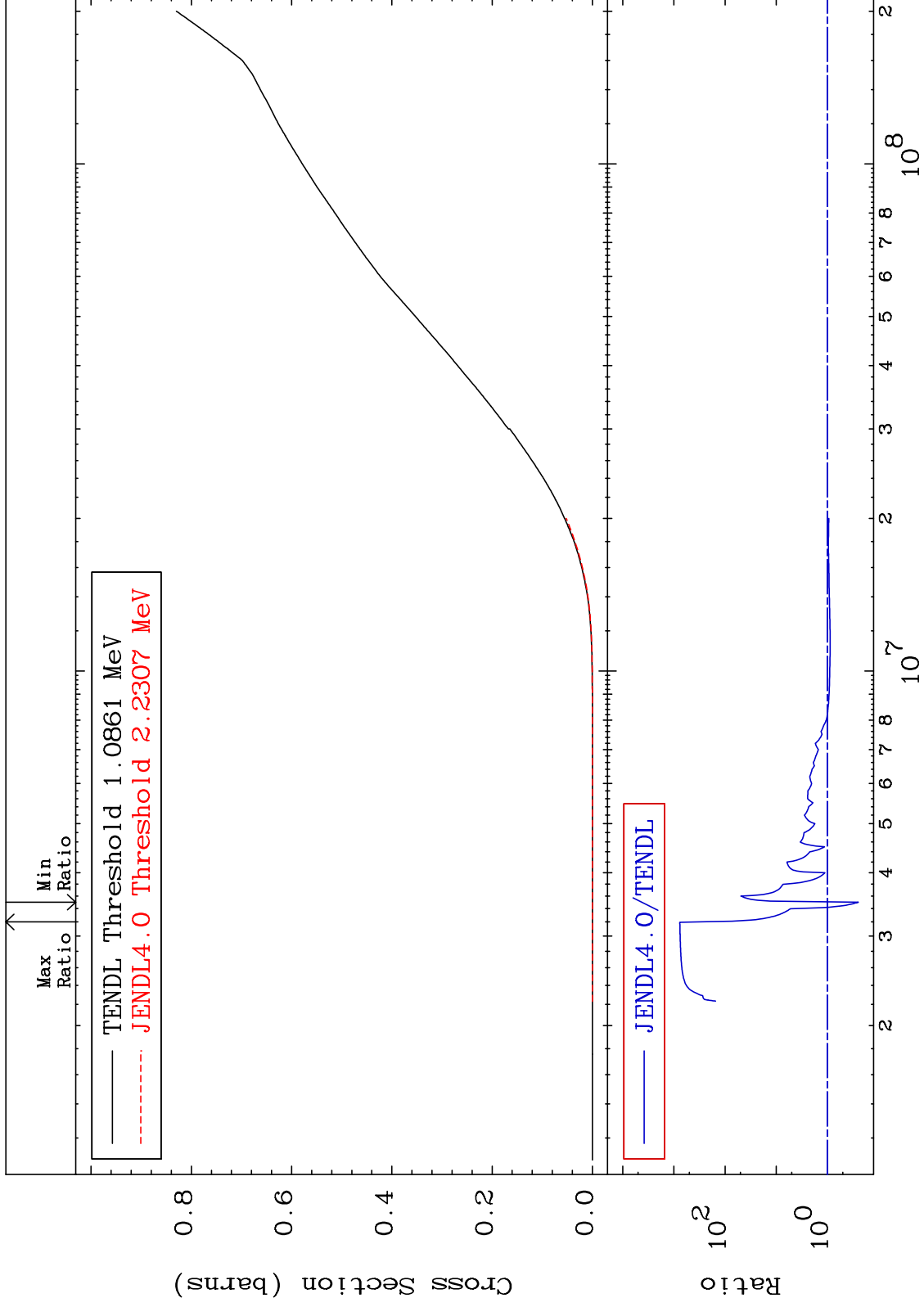
Incident Energy (eV)

60-Nd-144

MAT 6031

Hydrogen Production
Cross Section

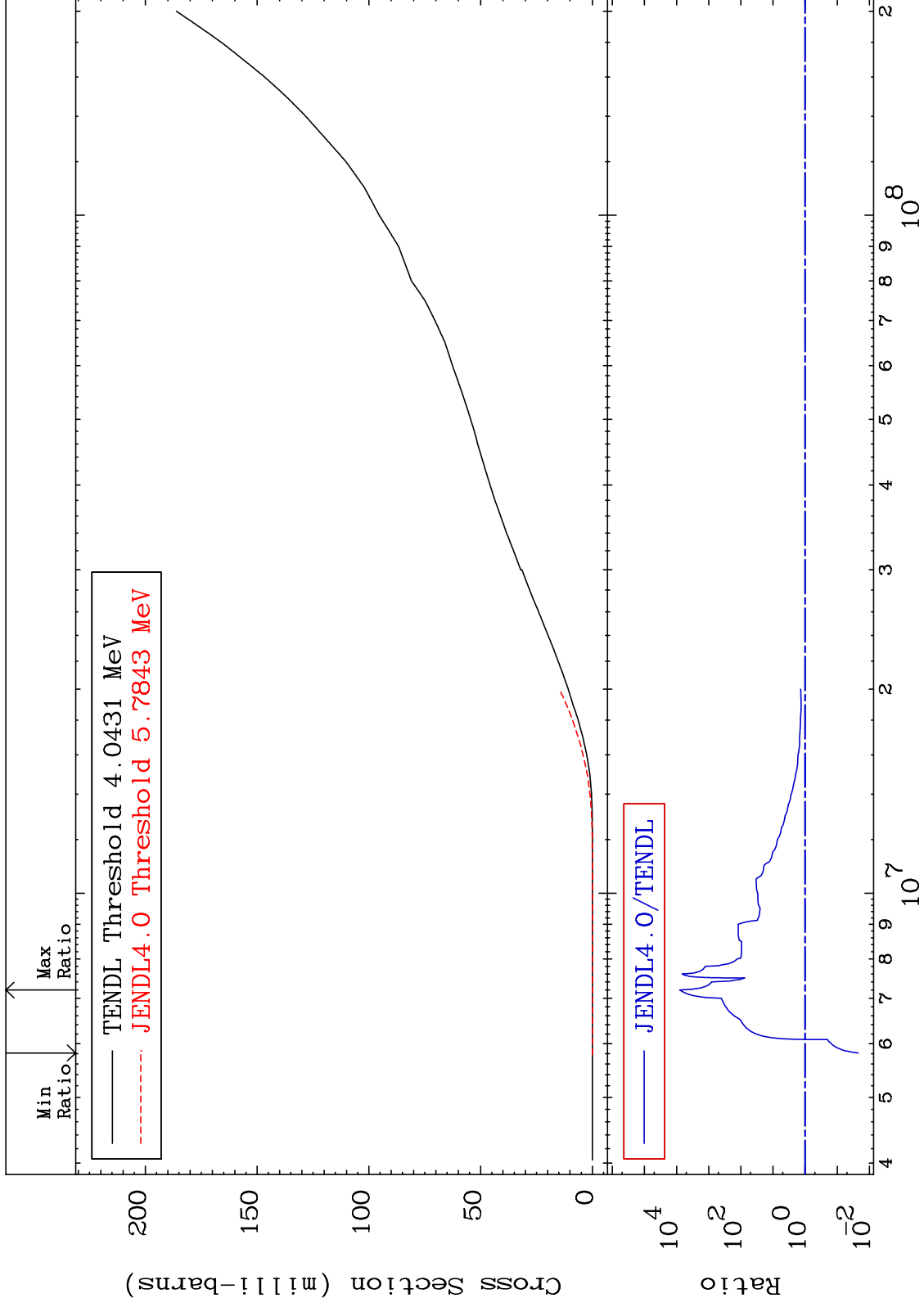
60-Nd-144
-75.20 To 9999. %



MAT 6031

Deuterium Production
Cross Section

⁶⁰Nd-144
-97.79 To 9999. %



50

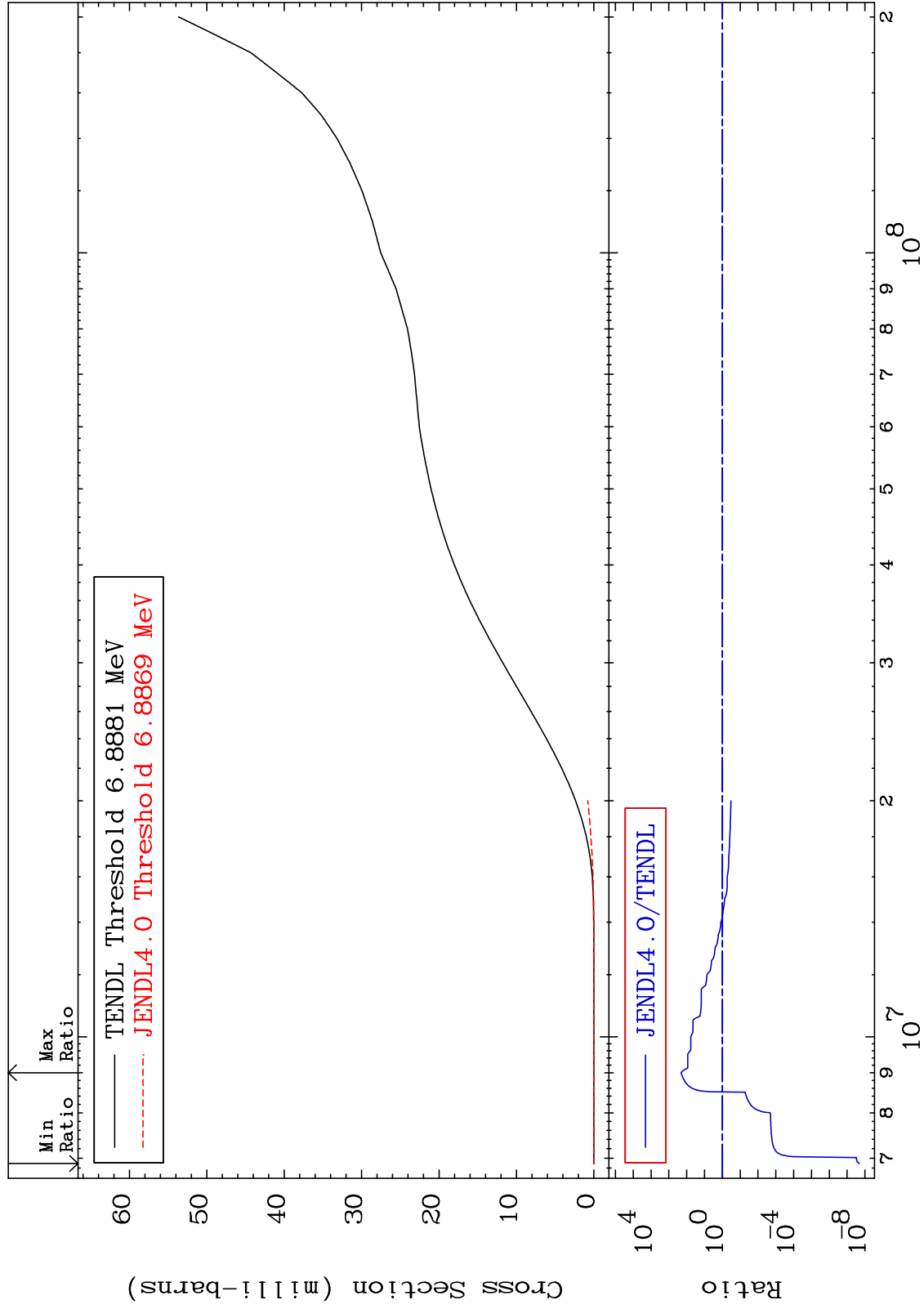
Incident Energy (eV)

⁶⁰Nd-144

MAT 6031

Tritium Production
Cross Section

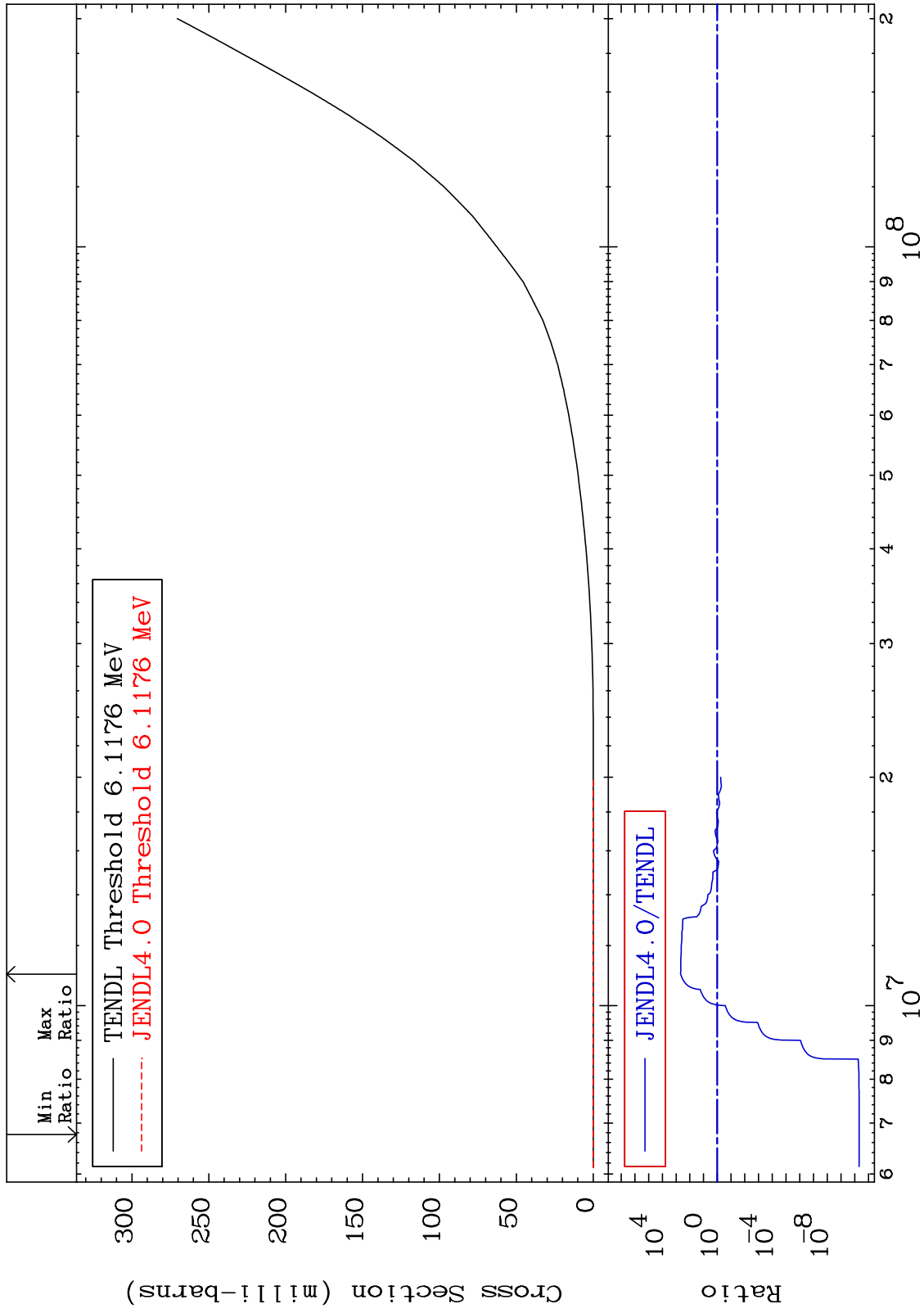
60-Nd-144
-100.0 To 9999. %



MAT 6031

He-3 Production
Cross Section

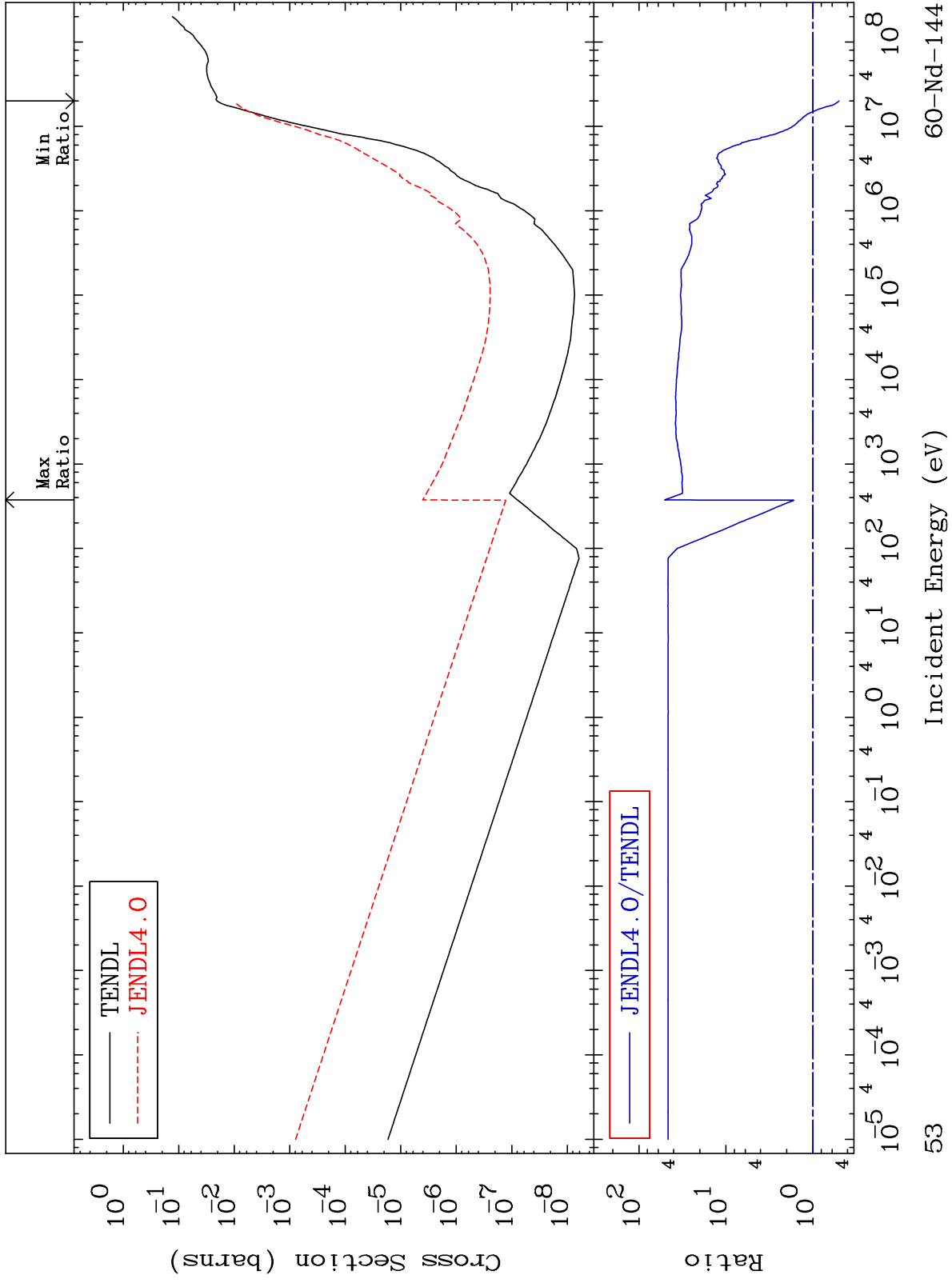
60-Nd-144
-100.0 To 9999. %



MAT 6031

He-4 Production
Cross Section

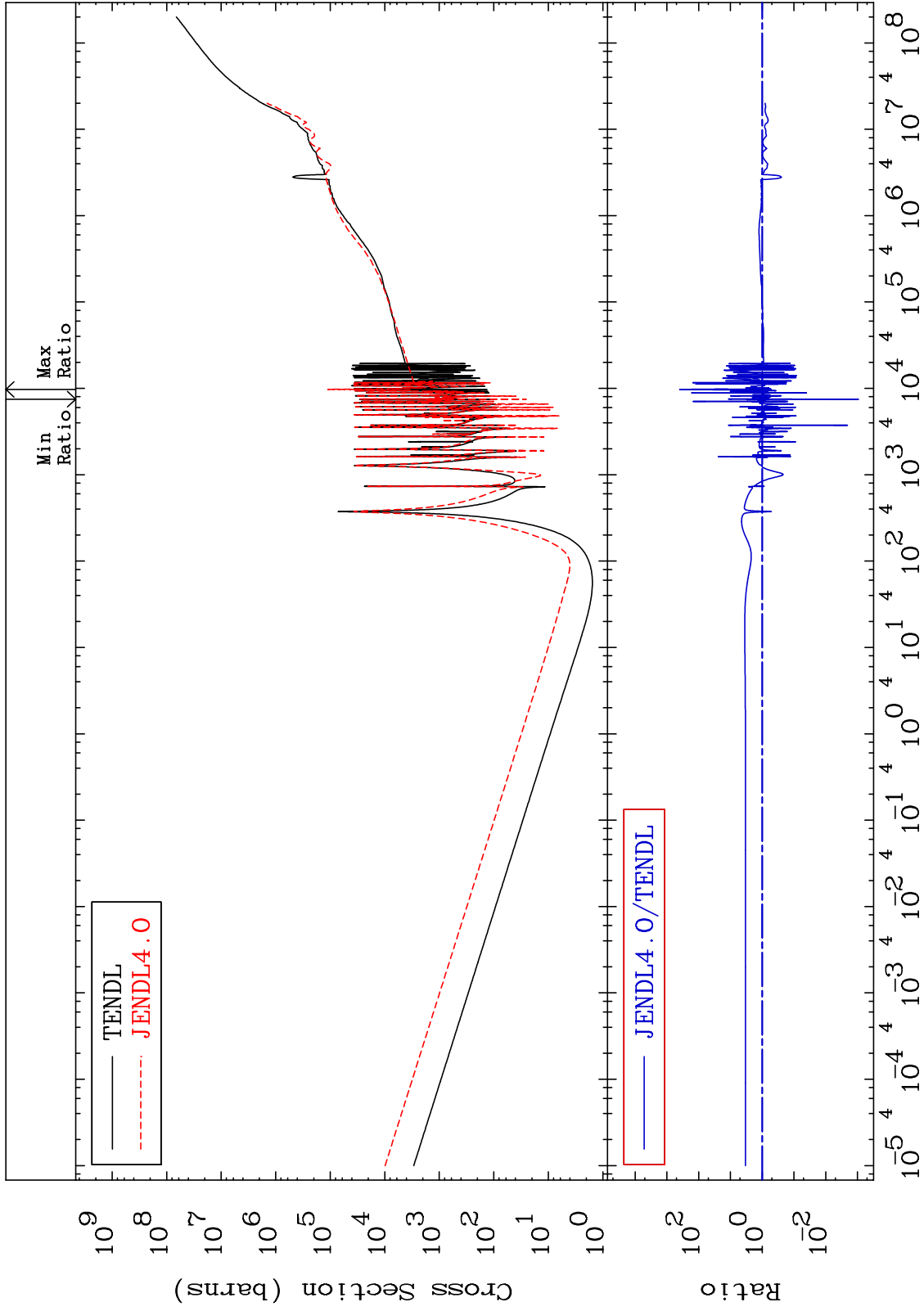
60-Nd-144
-49.97 To 4987. %



MAT 6031

Kerma total (eV-barns)
Cross Section

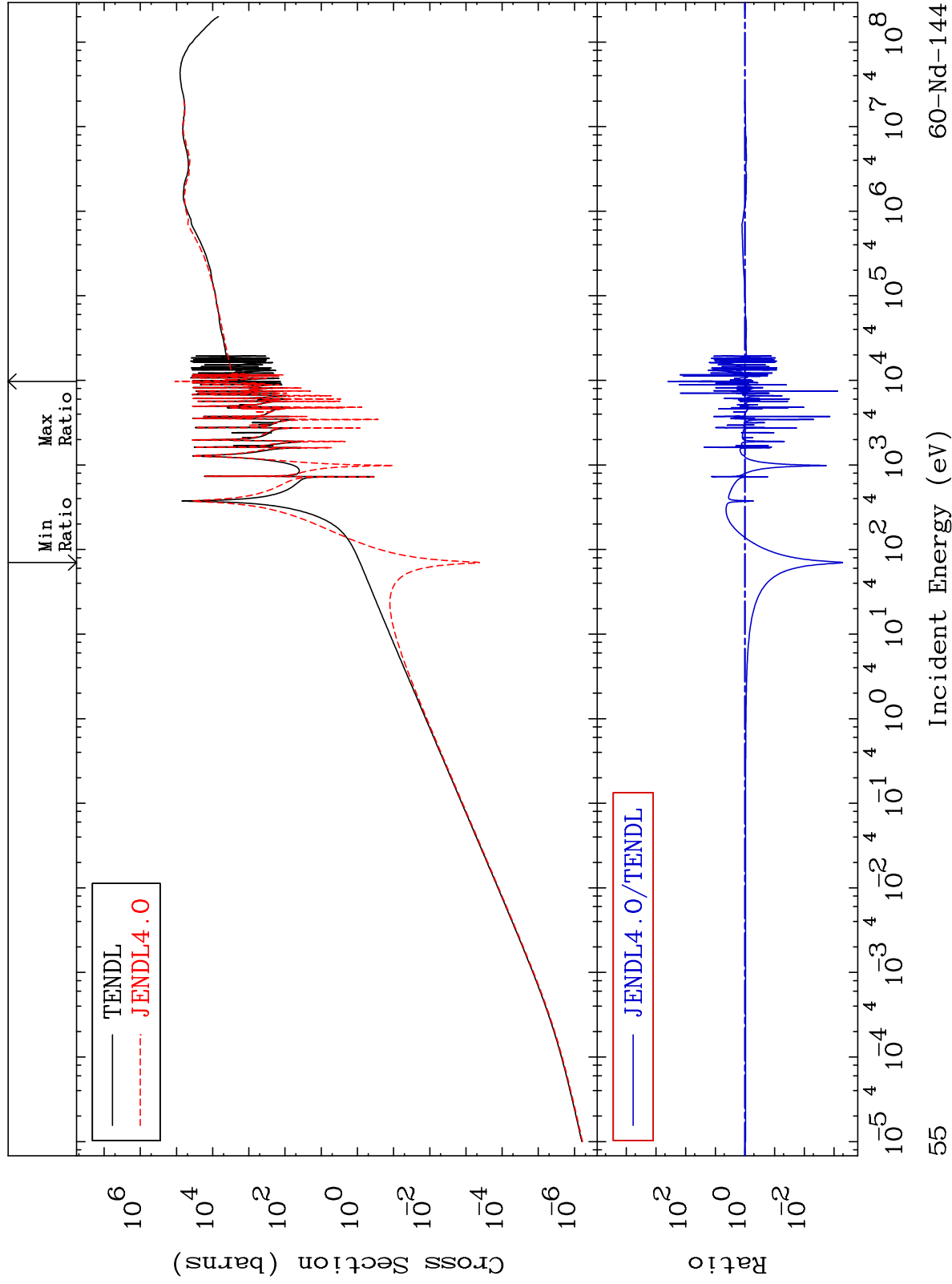
60-Nd-144
-99.91 To 9999. %



MAT 6031

Kerma elastic
Cross Section

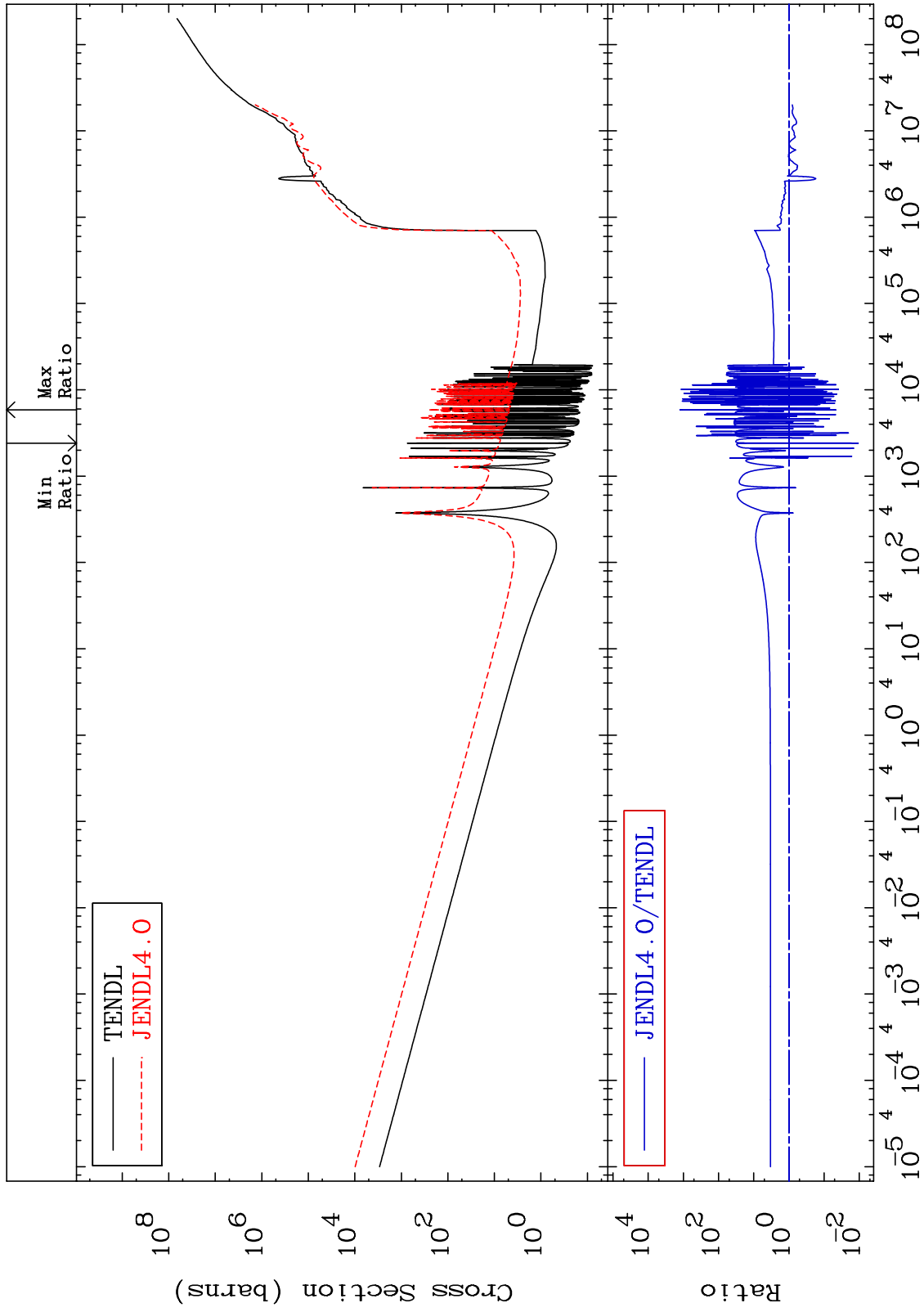
60-Nd-144
-99.95 To 9999. %



MAT 6031

Kerma non-elastic (all but mt2)
Cross Section

60-Nd-144
-98.94 To 9999. %



56

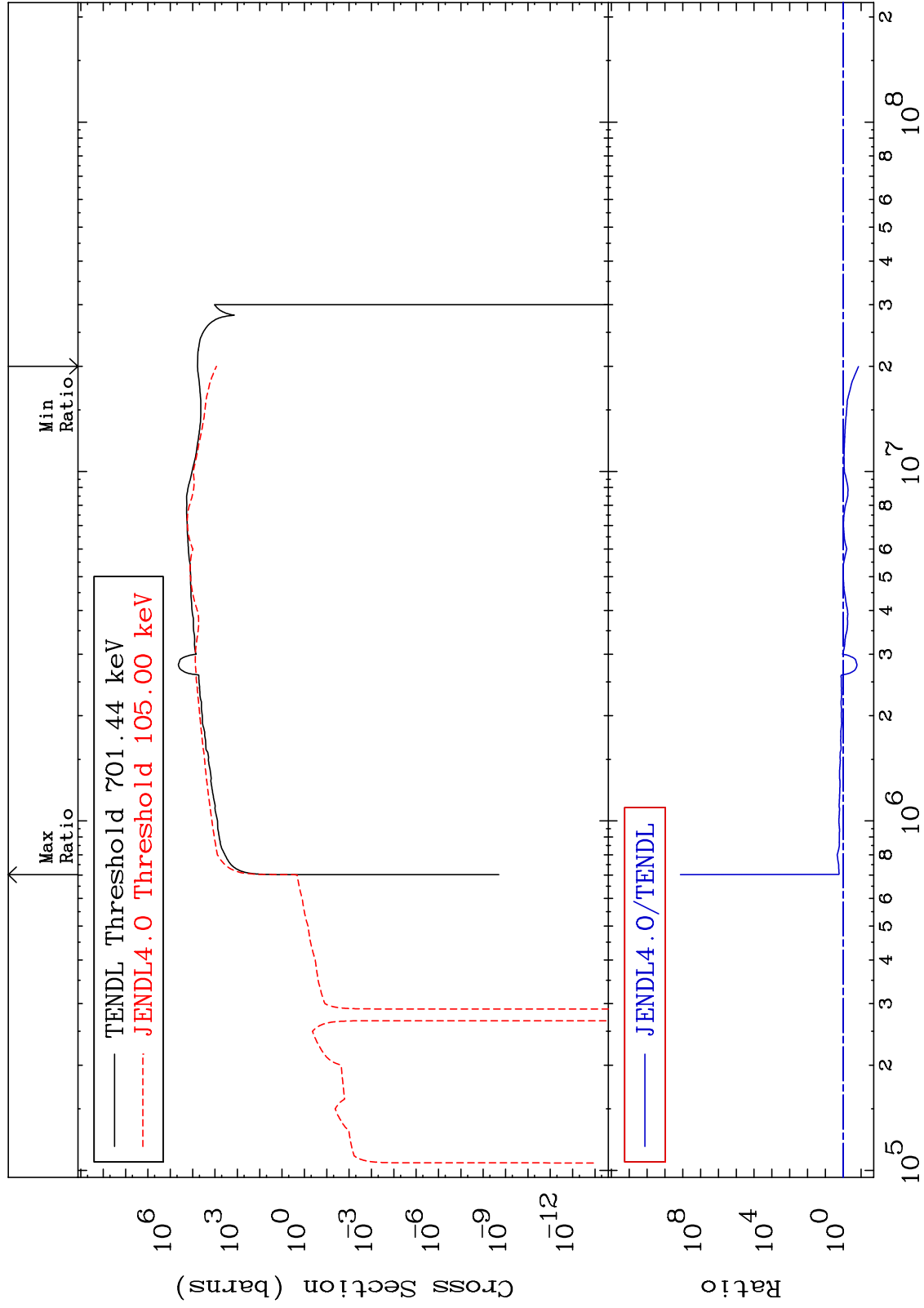
Incident Energy (eV)

60-Nd-144

MAT 6031

Kerma inelastic (mt51-91)
Cross Section

60-Nd-144
-85.98 To 9999. %



57

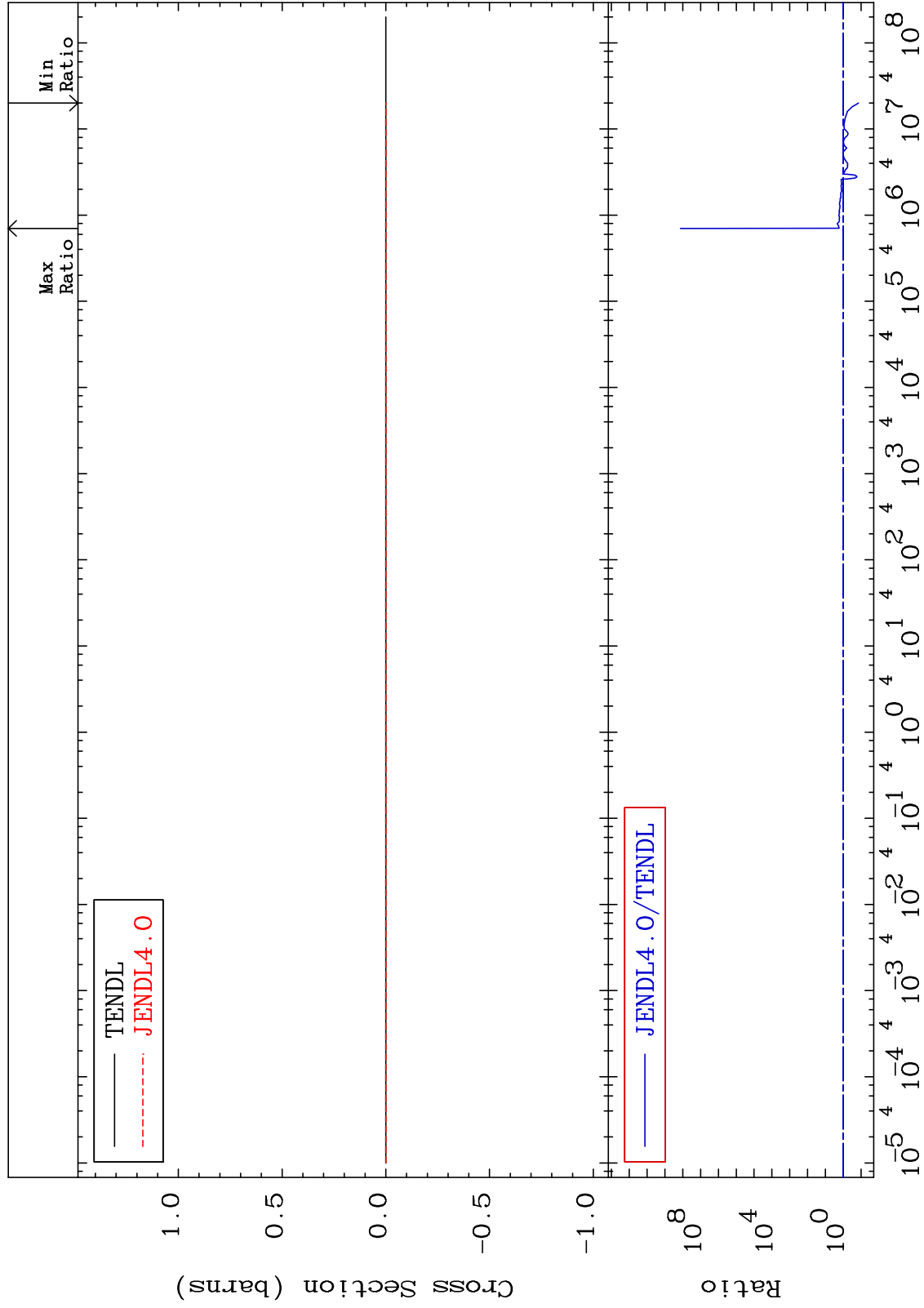
Incident Energy (eV)

60-Nd-144

MAT 6031

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

60-Nd-144
-85.98 To 9999. %



58

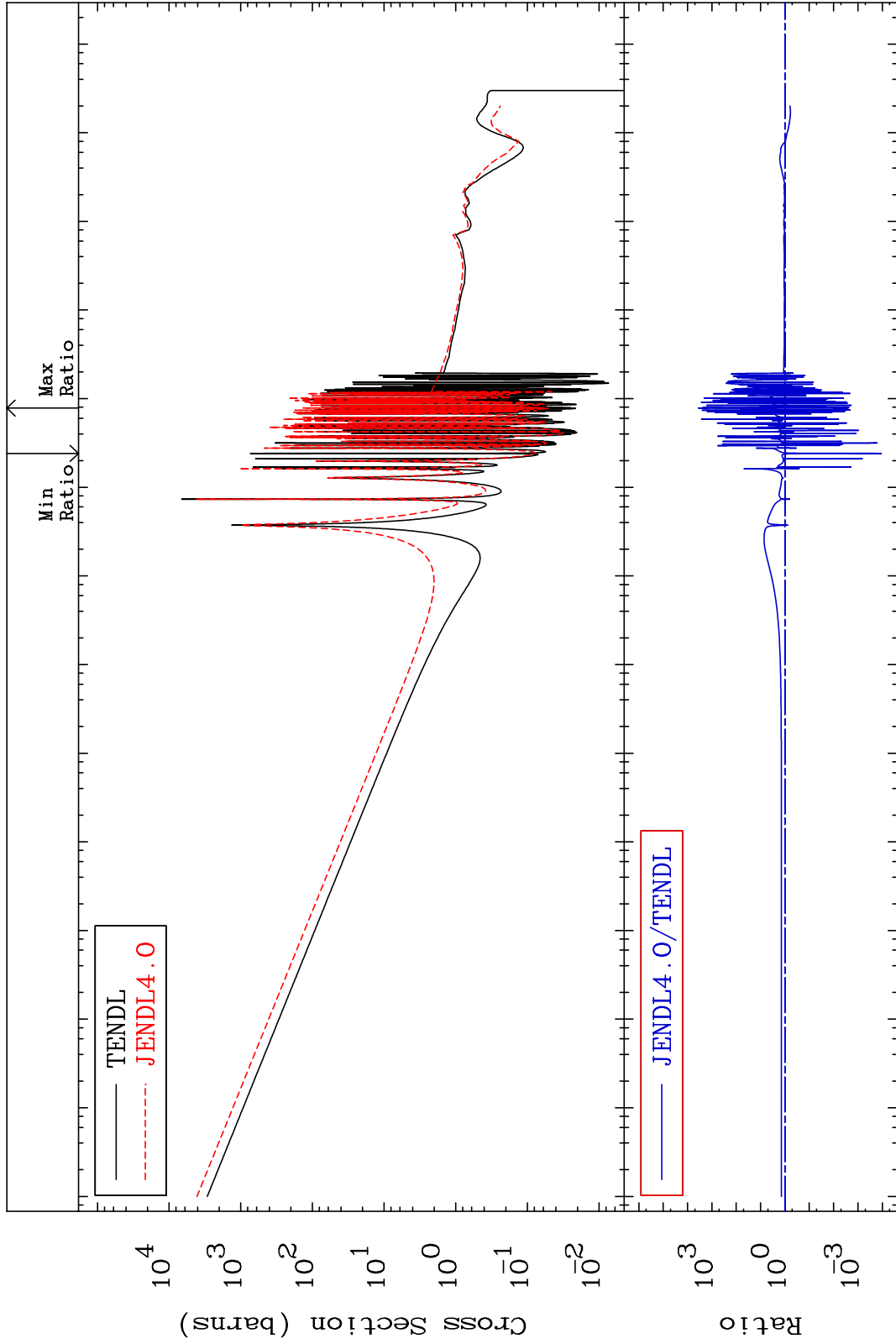
Incident Energy (eV)

60-Nd-144

MAT 6031

Kerma capture (mt102)
Cross Section

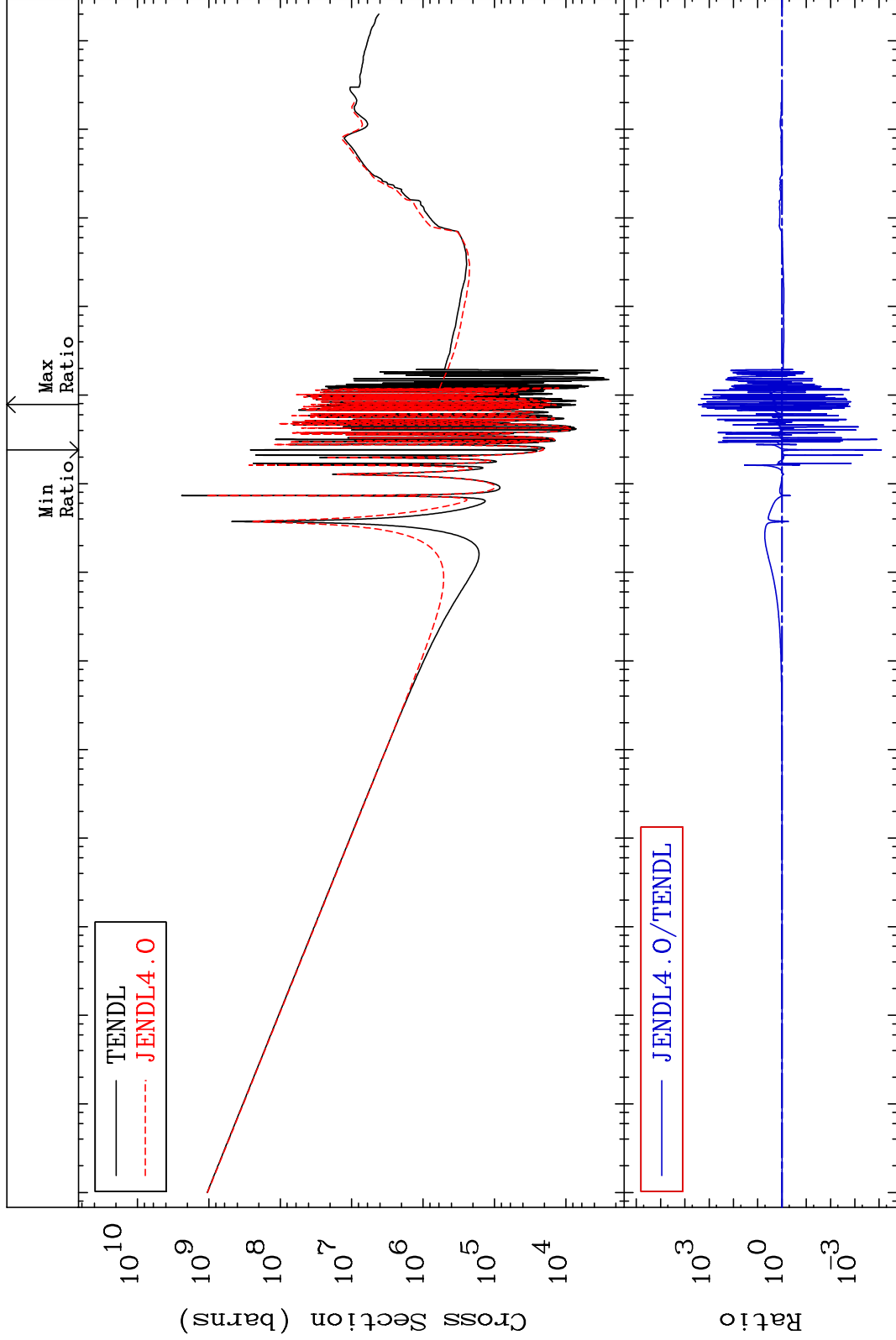
60-Nd-144
-99.99 To 9999. %



MAT 6031

Total photon (eV-barns)
Cross Section

60-Nd-144
-99.99 To 9999. %



60

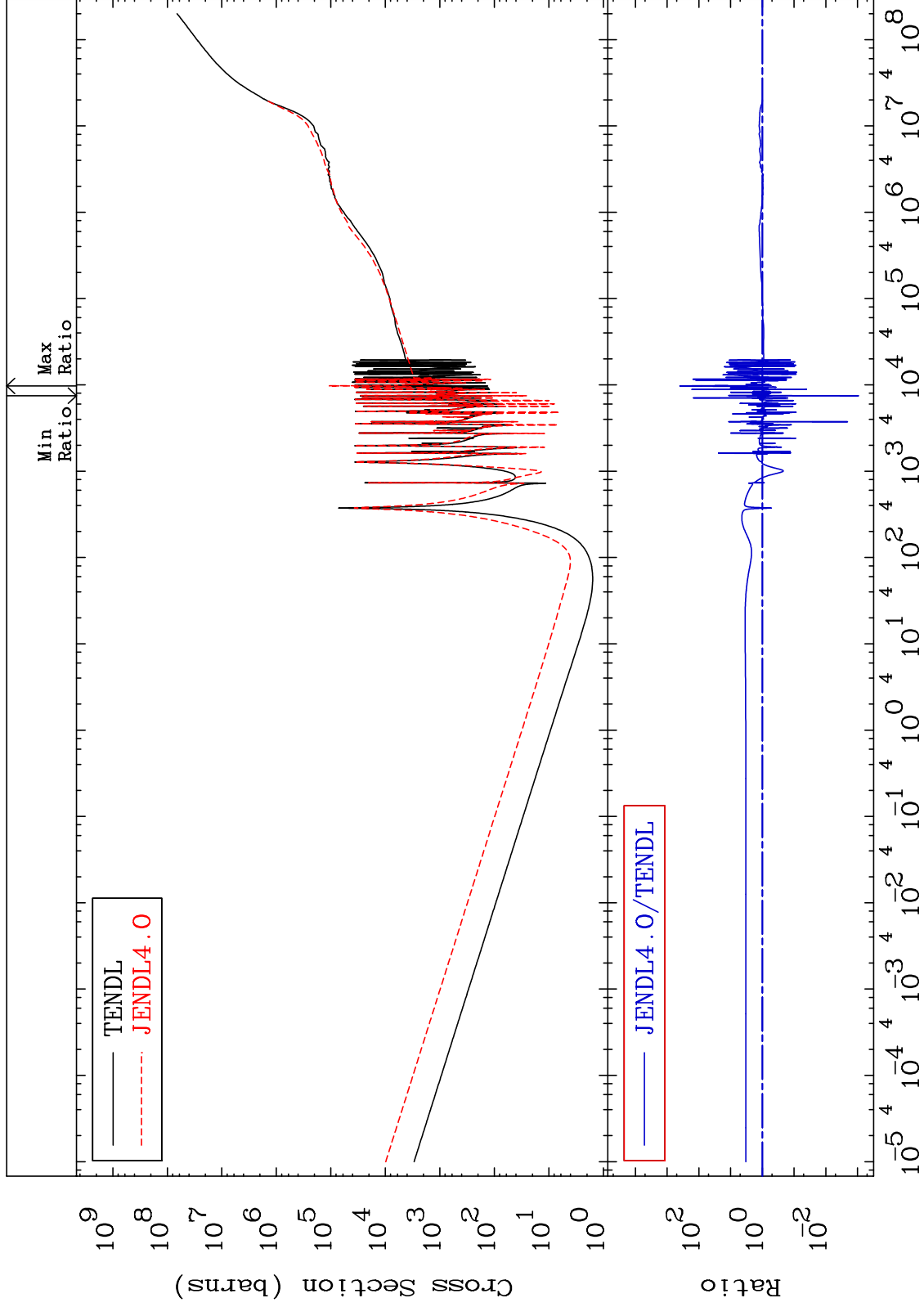
Incident Energy (eV)

60-Nd-144

MAT 6031

Total kinematic kerma (high limit)
Cross Section

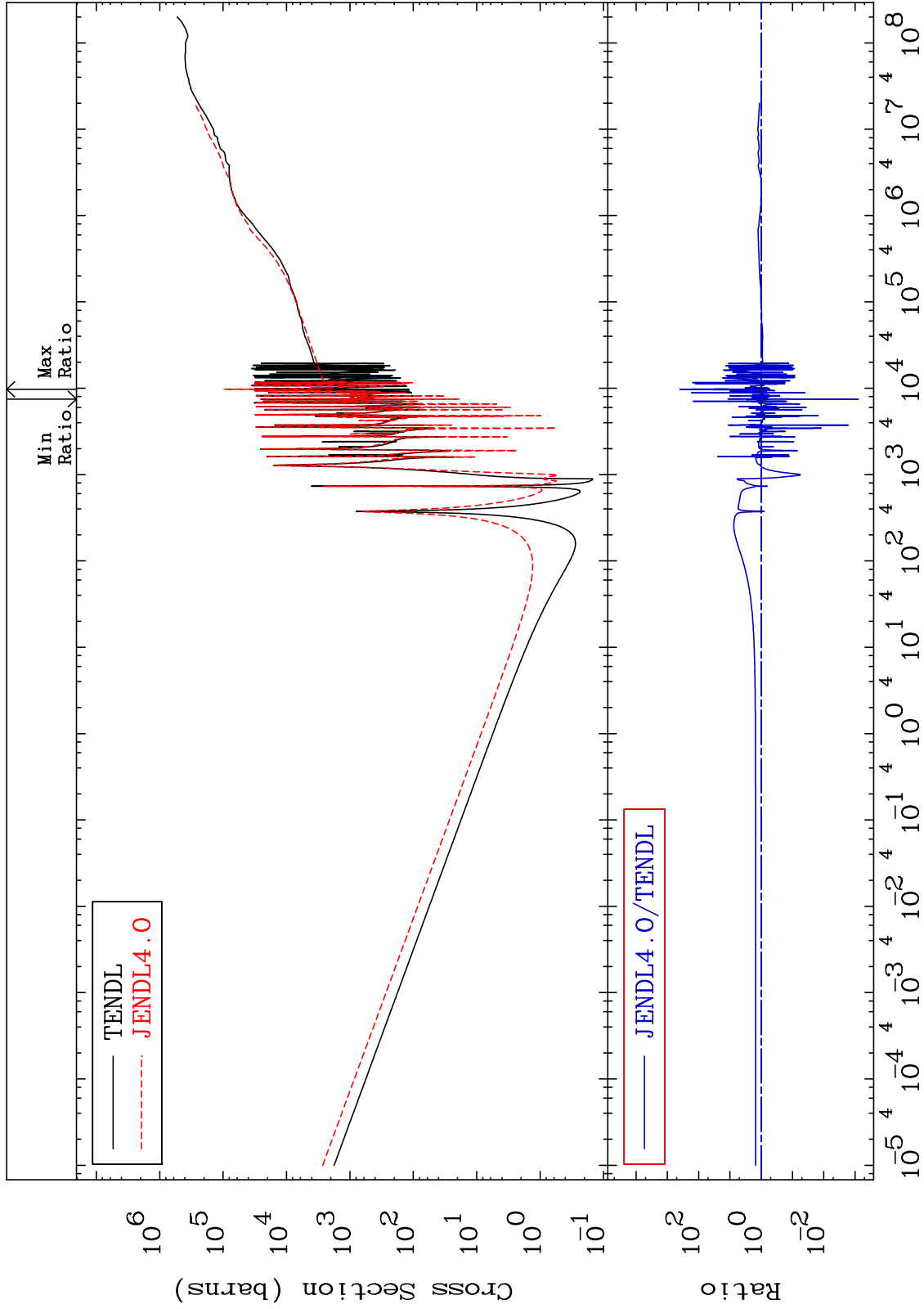
60-Nd-144
-99.91 To 9999. %



MAT 6031

Dpa total (eV-barns)
Cross Section

60-Nd-144
-99.92 To 9999. %



62

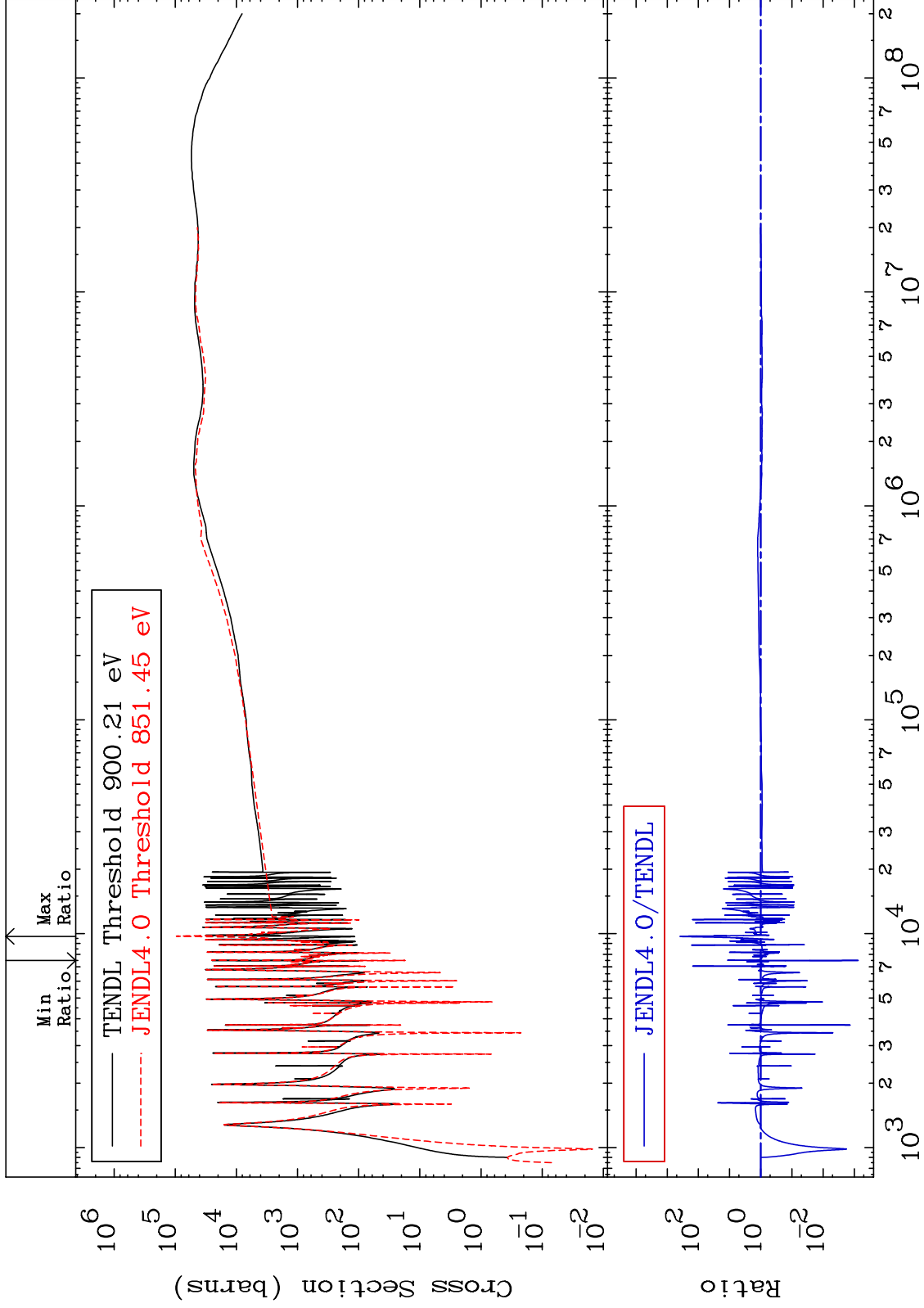
Incident Energy (eV)

60-Nd-144

MAT 6031

Dpa elastic (mt2)
Cross Section

60-Nd-144
-99.93 To 9999. %



63

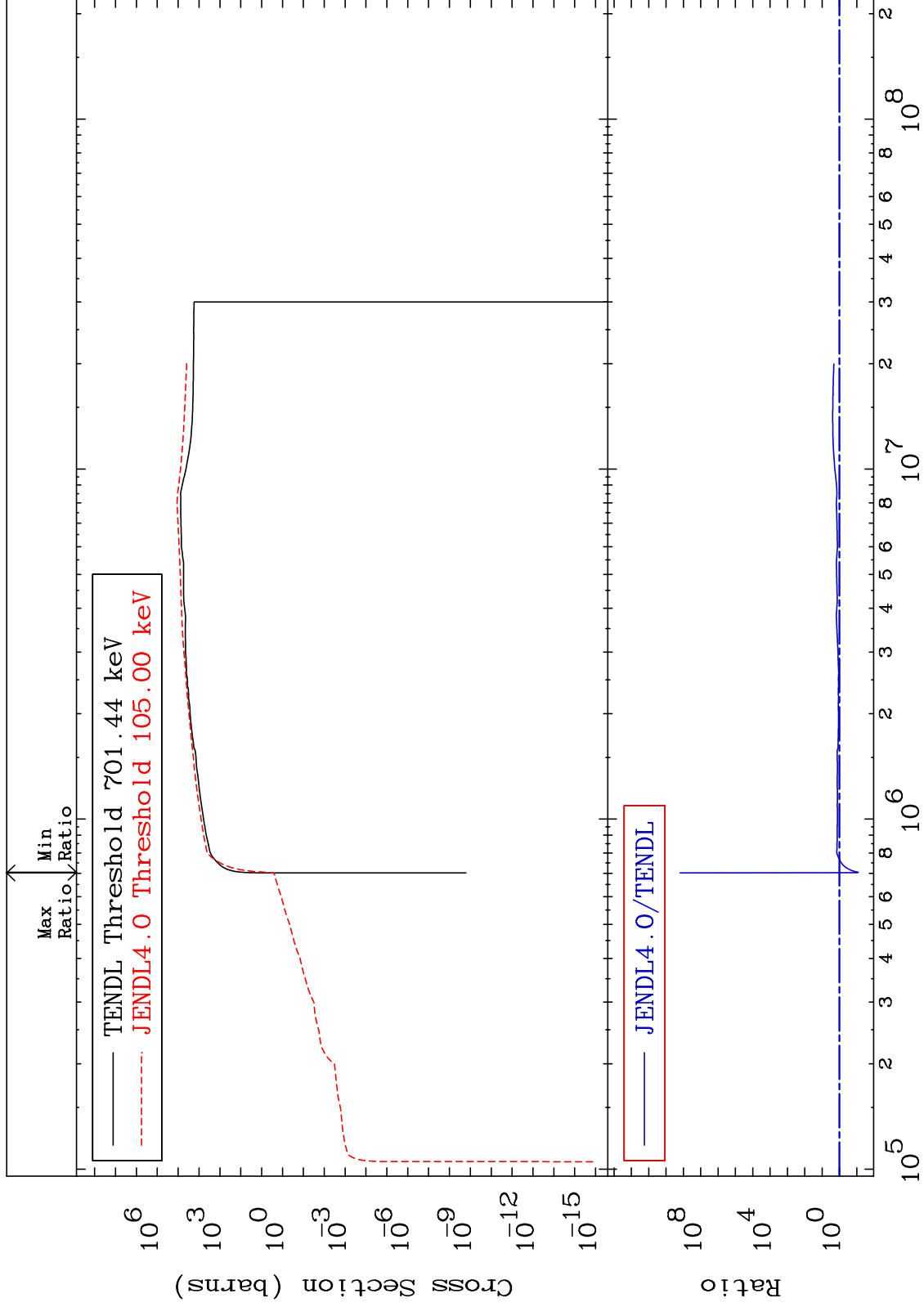
Incident Energy (eV)

60-Nd-144

MAT 6031

Dpa inelastic (mt51-91)
Cross Section

60-Nd-144
-91.98 To 9999. %



64

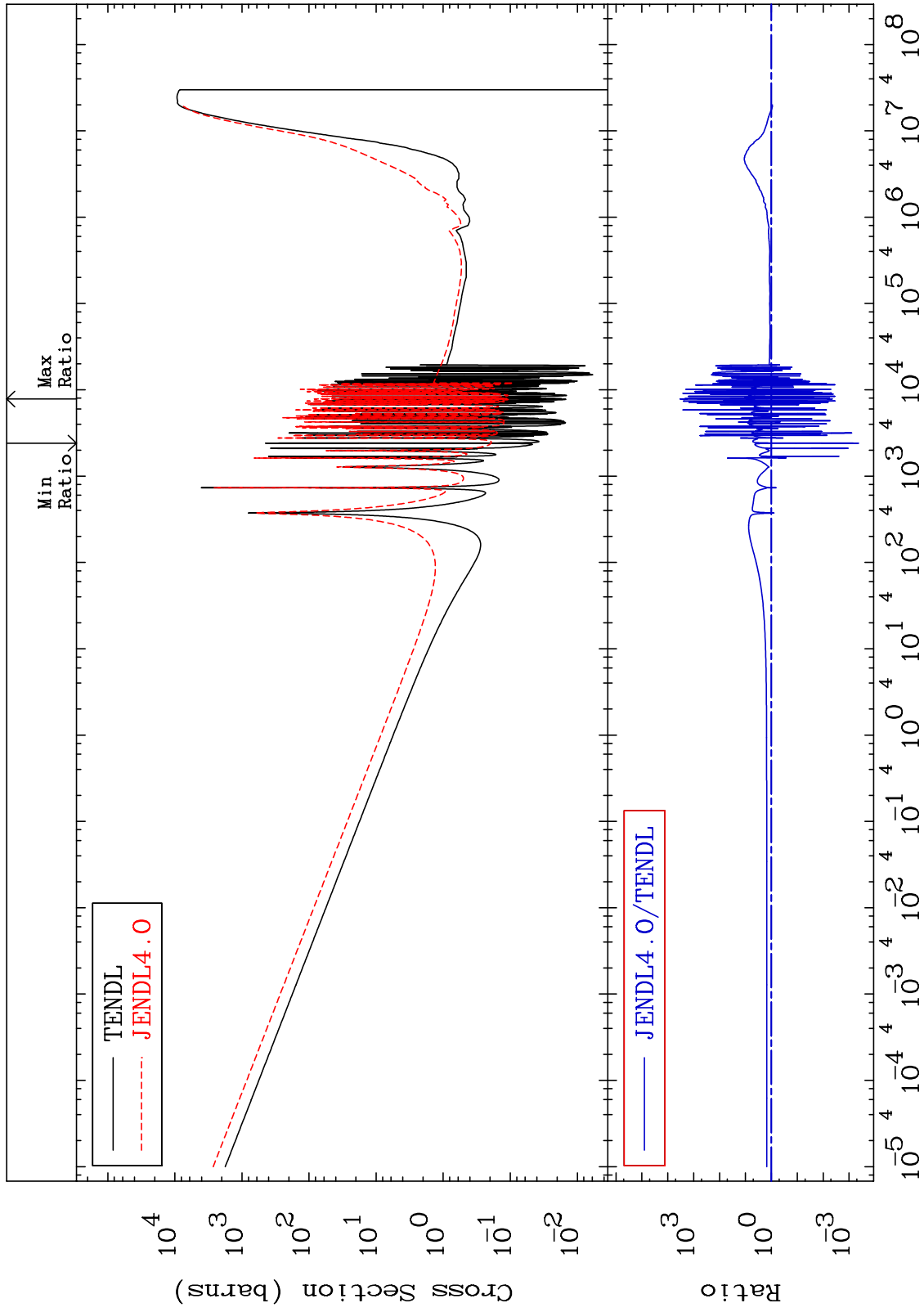
Incident Energy (eV)

60-Nd-144

MAT 6031

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-144
-99.96 To 9999. %



65

Incident Energy (eV)

60-Nd-144