

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

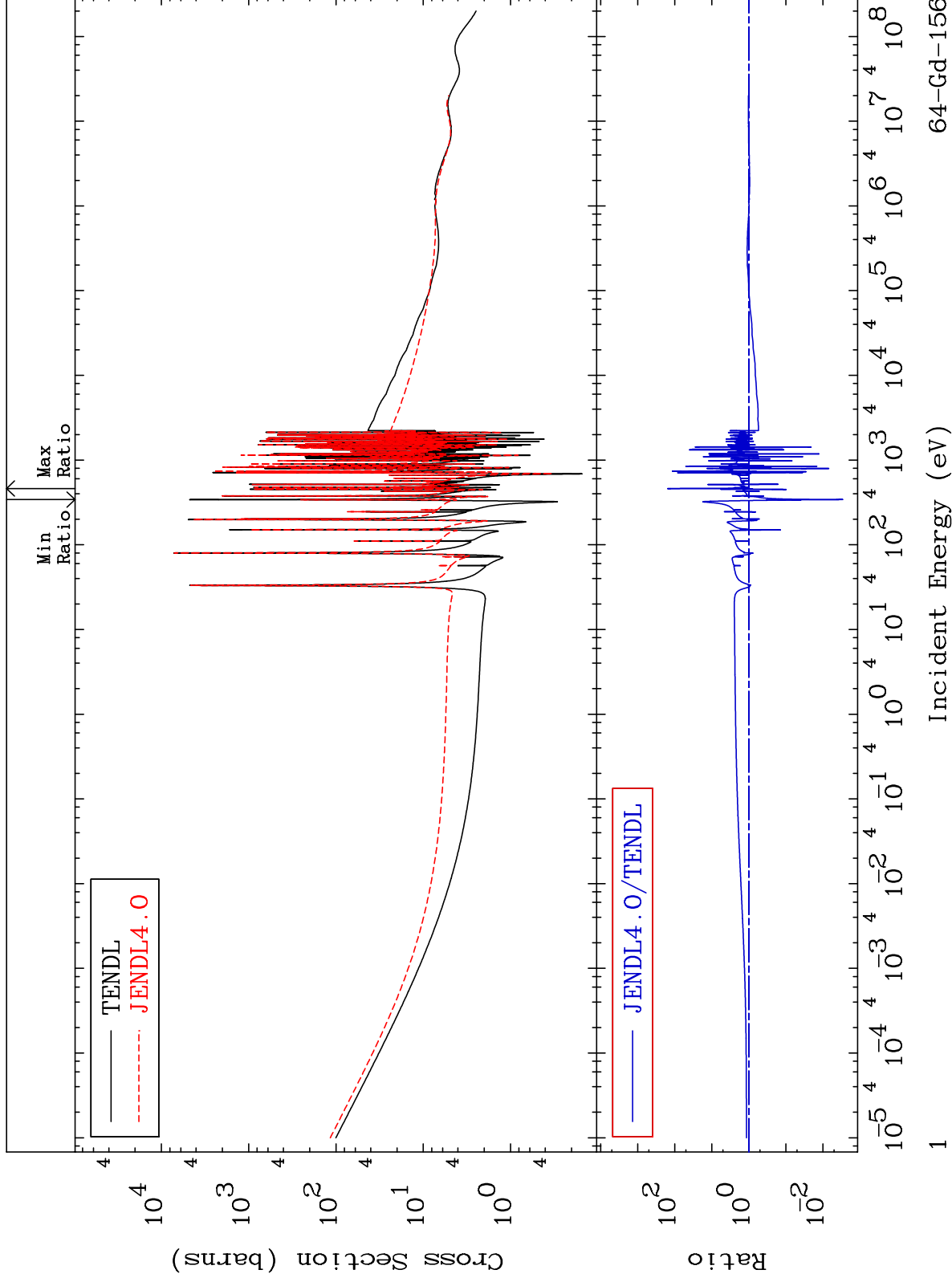
MAT 6437

Total

64-Gd-156

Cross Section

-99.71 To 9999. %

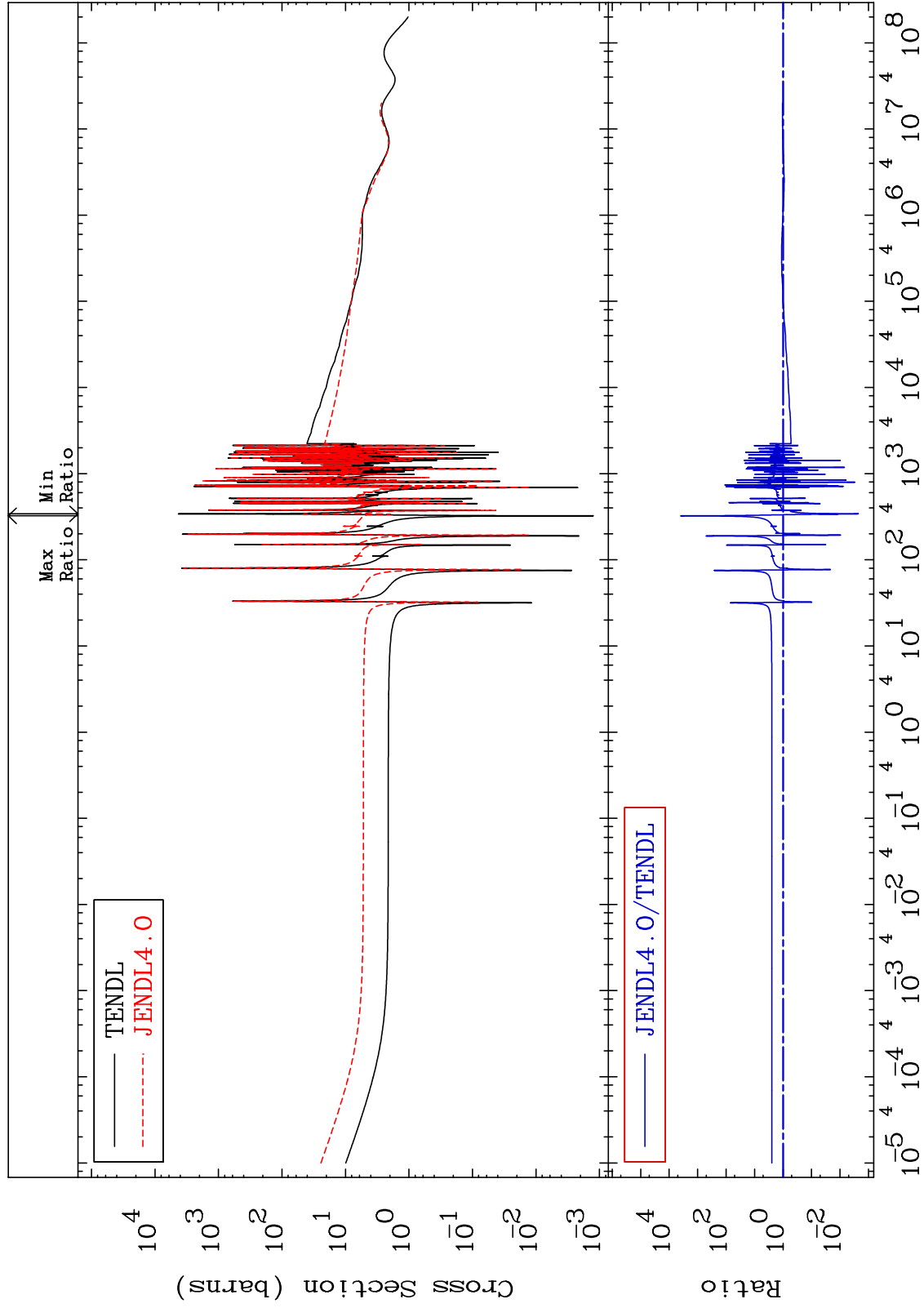


64-Gd-156

MAT 6437

Elastic
Cross Section

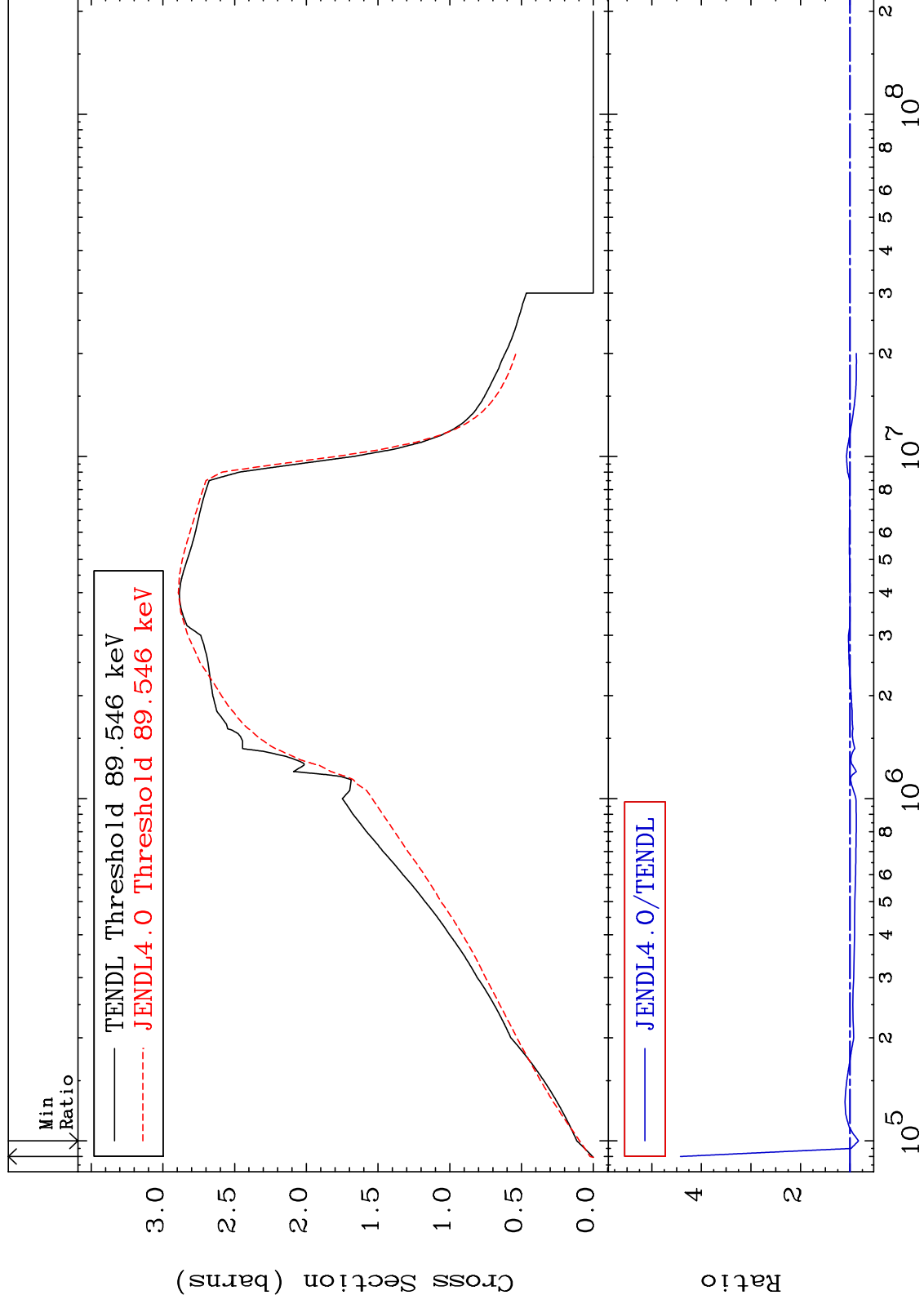
64-Gd-156
-99.78 To 9999. %



MAT 6437

Inelastic
Cross Section

64-Gd-156
-17.03 To 342.2 %



64-Gd-156

Incident Energy (eV)

3

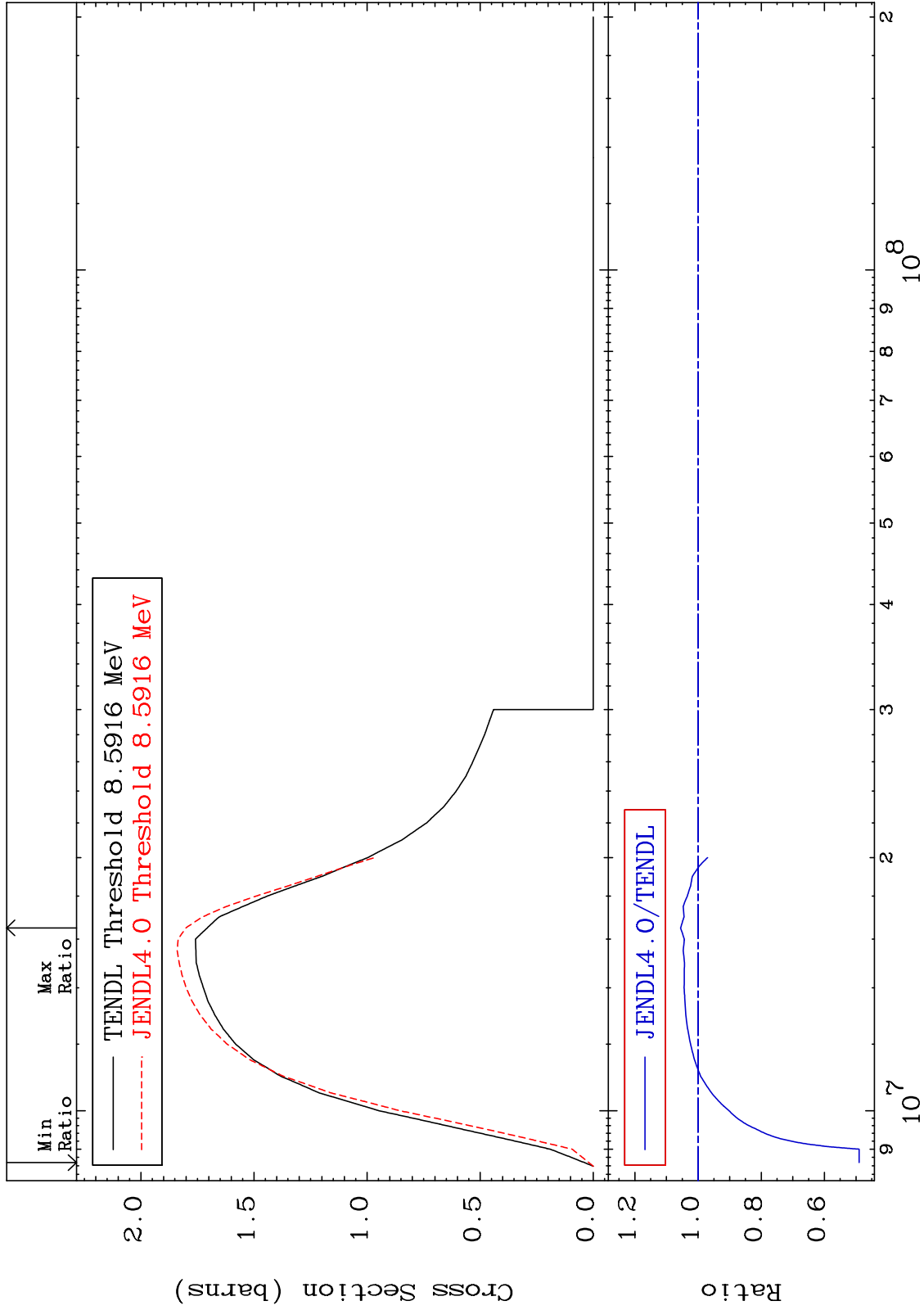
MAT 6437

(n,2n)

64-Gd-156

Cross Section

-51.00 To 5.518 %



4

Incident Energy (eV)

64-Gd-156

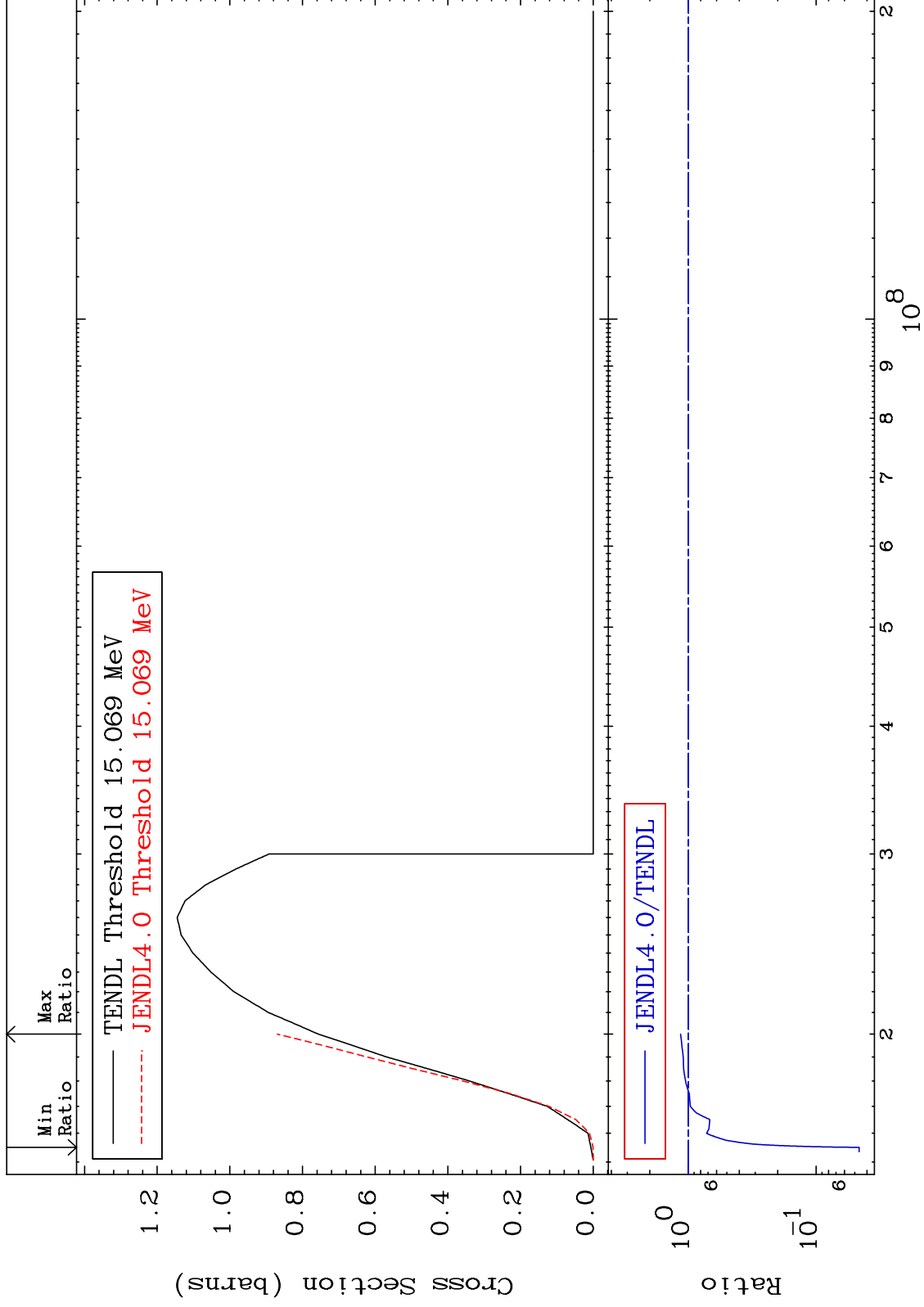
MAT 6437

(n, 3n)

64-Gd-156

Cross Section

-95.39 To 14.86 %



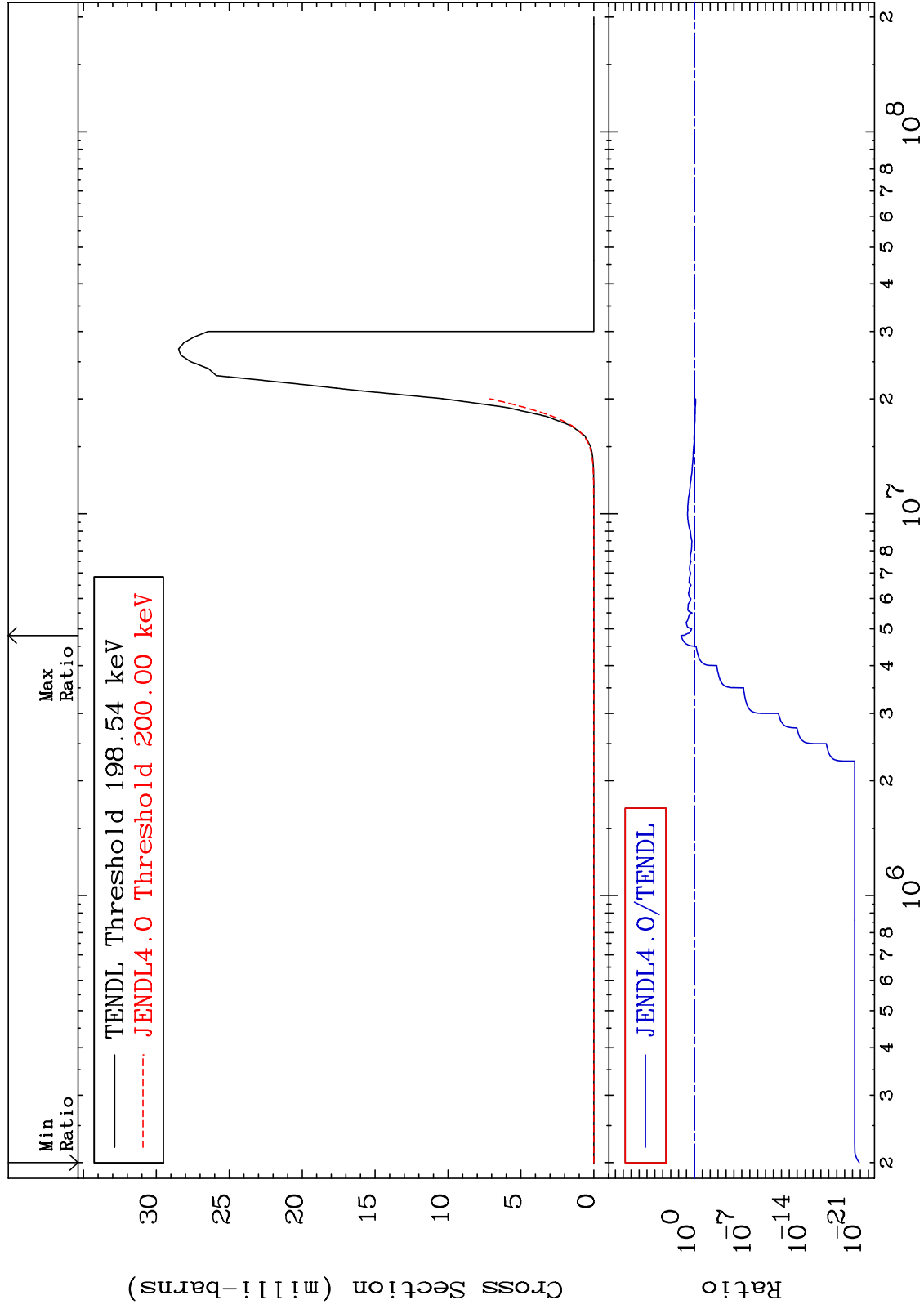
MAT 6437

(n,n') α

64-Gd-156

-100.0 To 4776. %

Cross Section



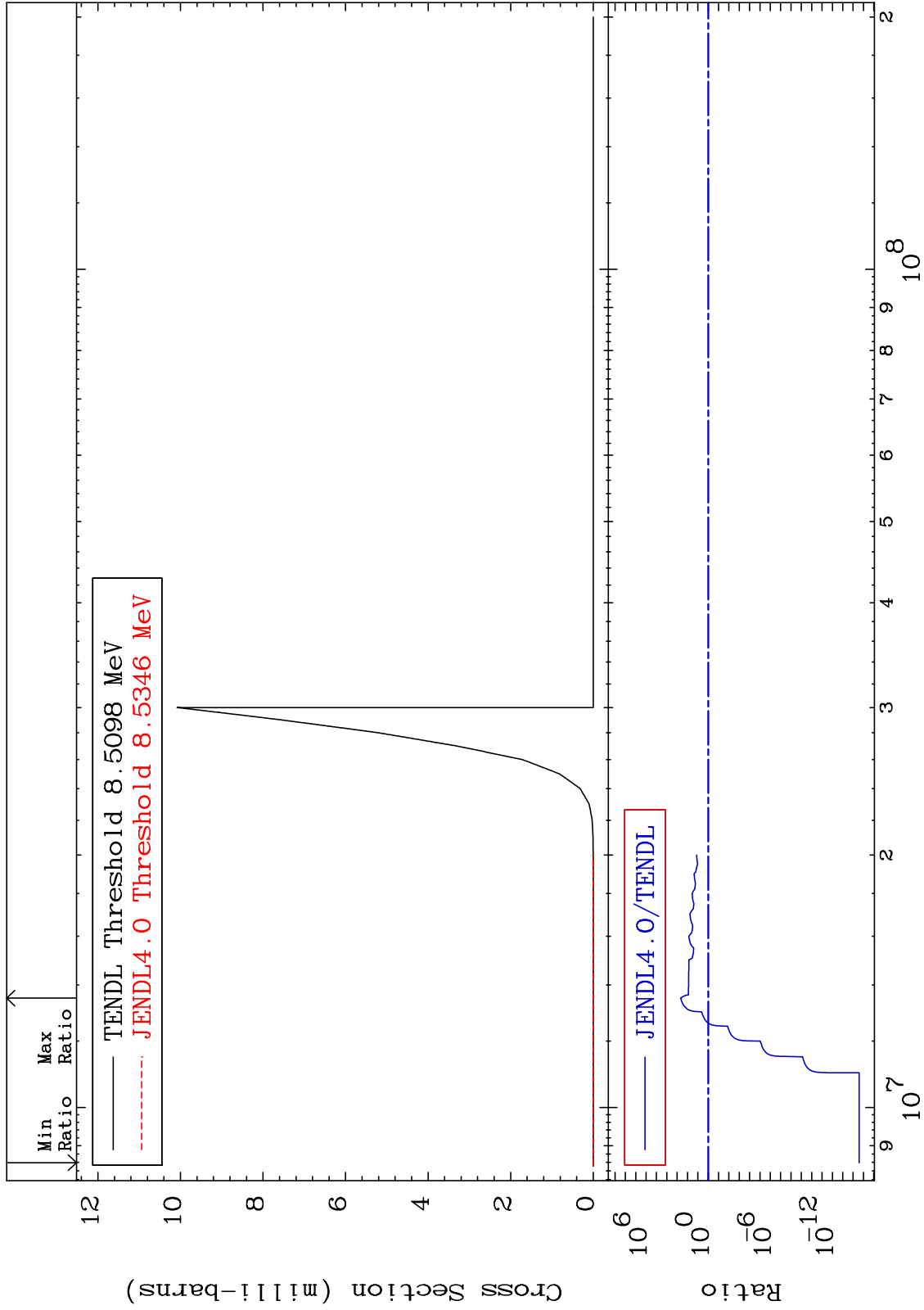
MAT 6437

(n,2n) α

64-Gd-156

Cross Section

-100.0 To 9999. %



7

Incident Energy (eV)

64-Gd-156

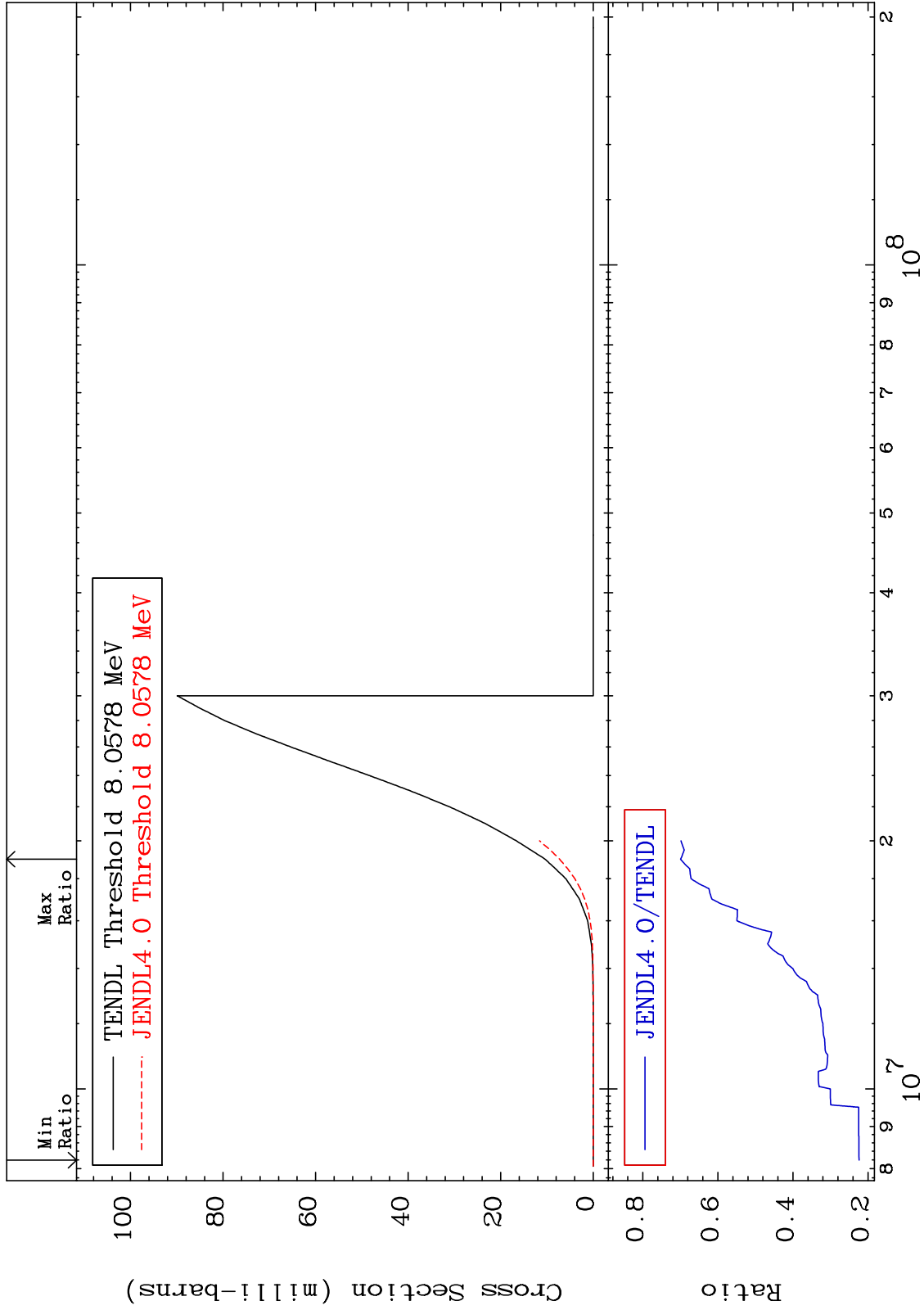
MAT 6437

(n,n') p

64-Gd-156

Cross Section

-77.64 To -30.07%



8

Incident Energy (eV)

64-Gd-156

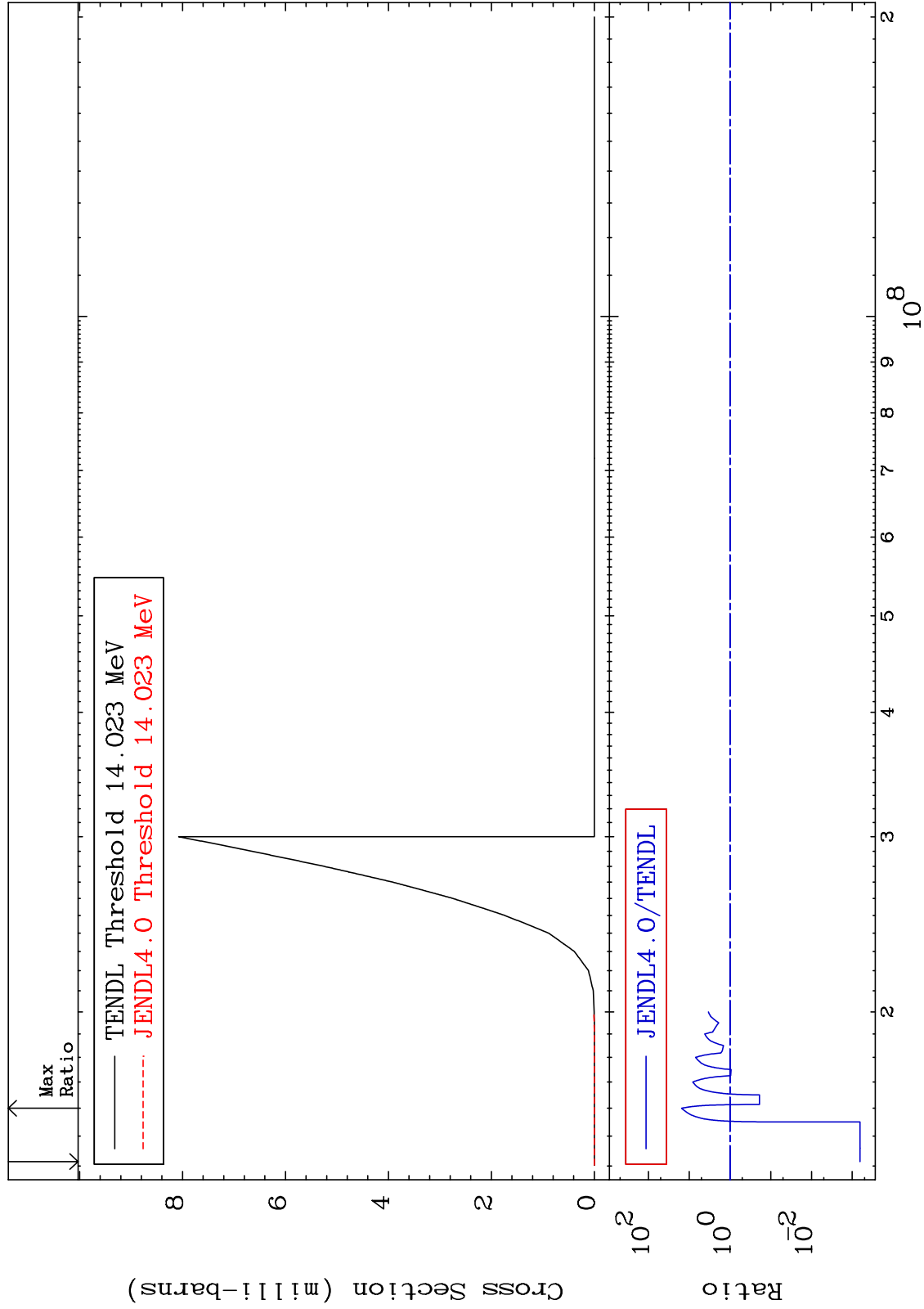
MAT 6437

(n,n') d

64-Gd-156

Cross Section

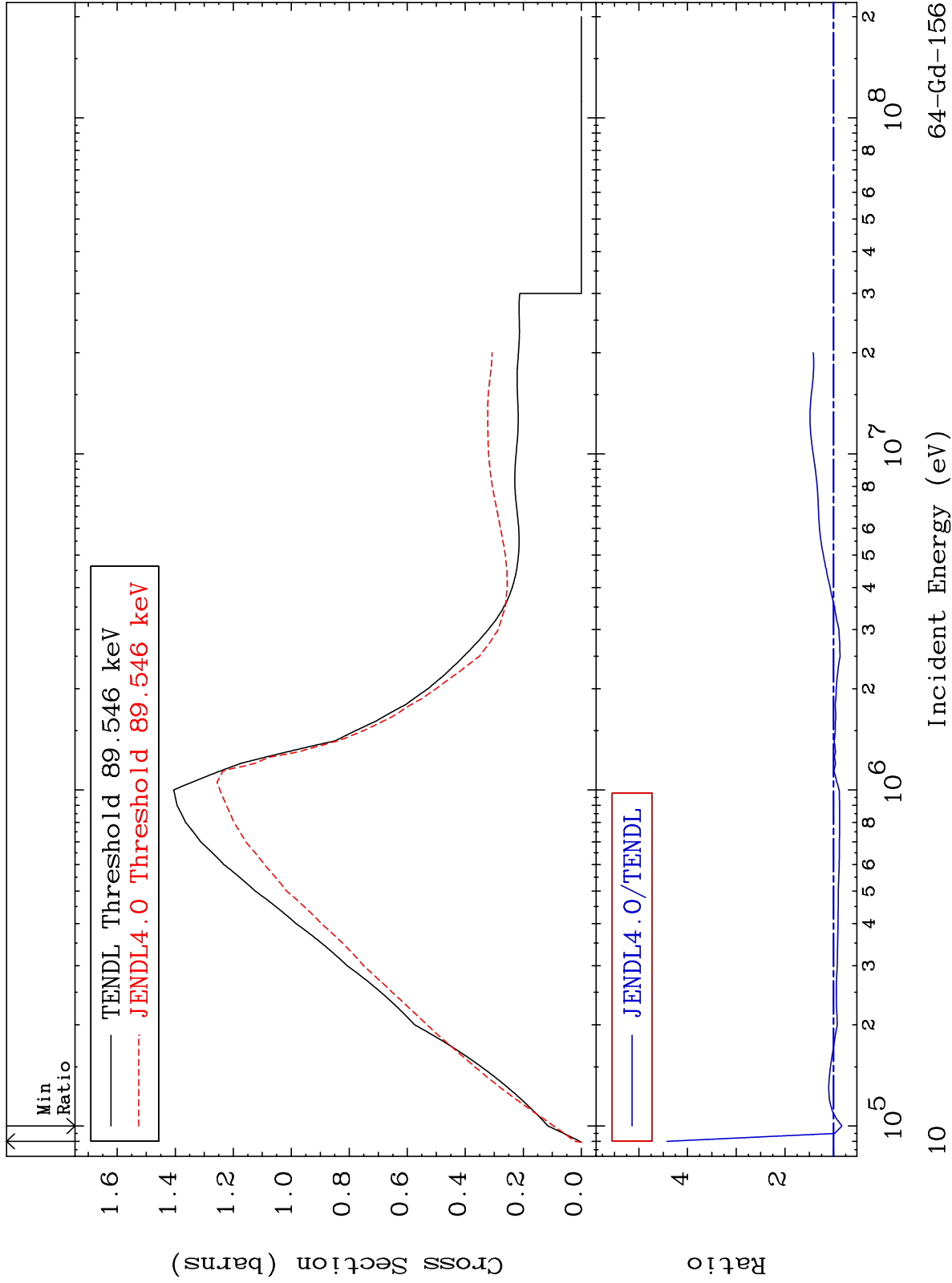
-99.94 To 1434. %



MAT 6437

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

64-Gd-156
-17.03 To 342.2 %



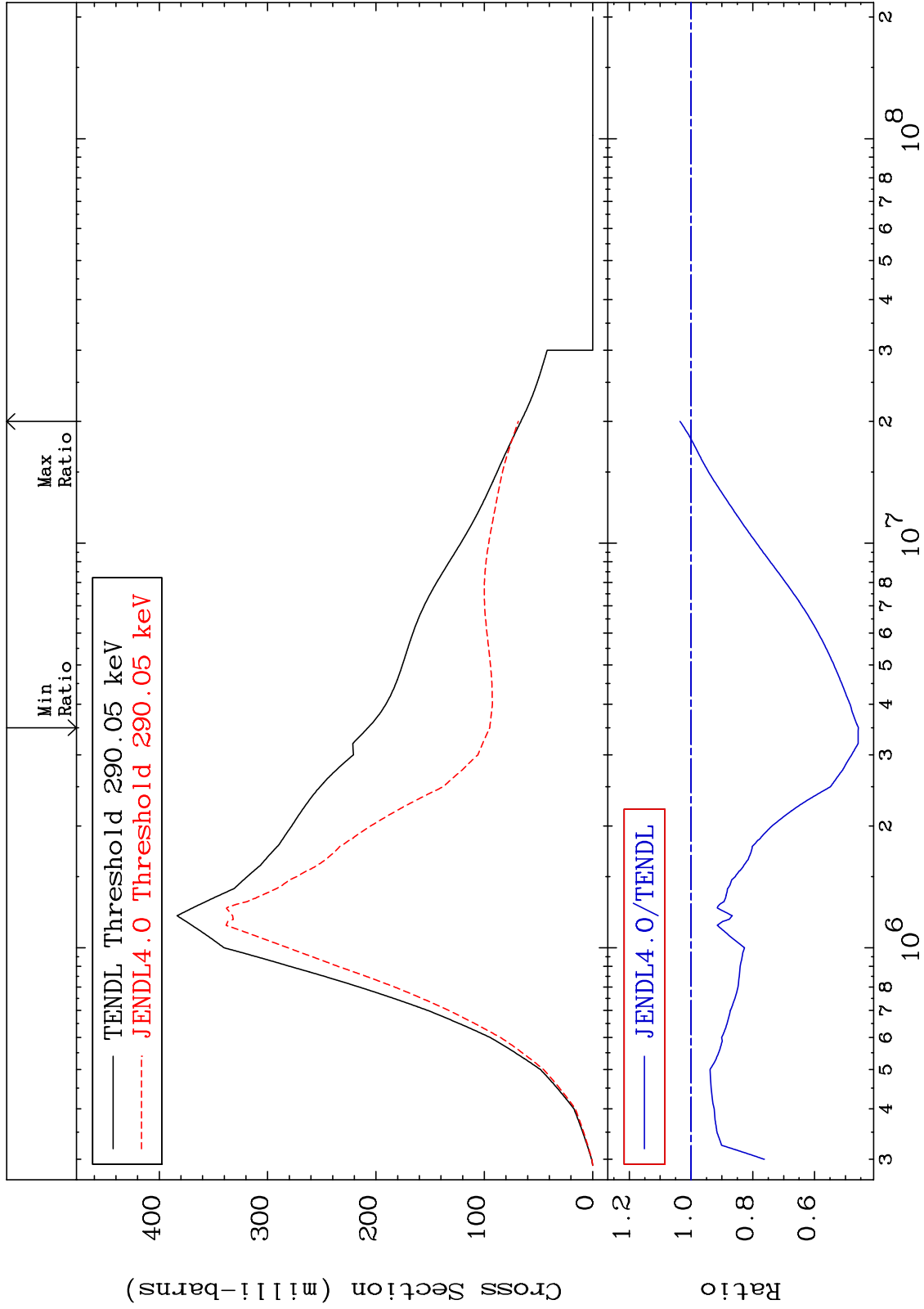
MAT 6437

MT= 52 (n,n') Level

64-Gd-156

-54.21 To 3.578 %

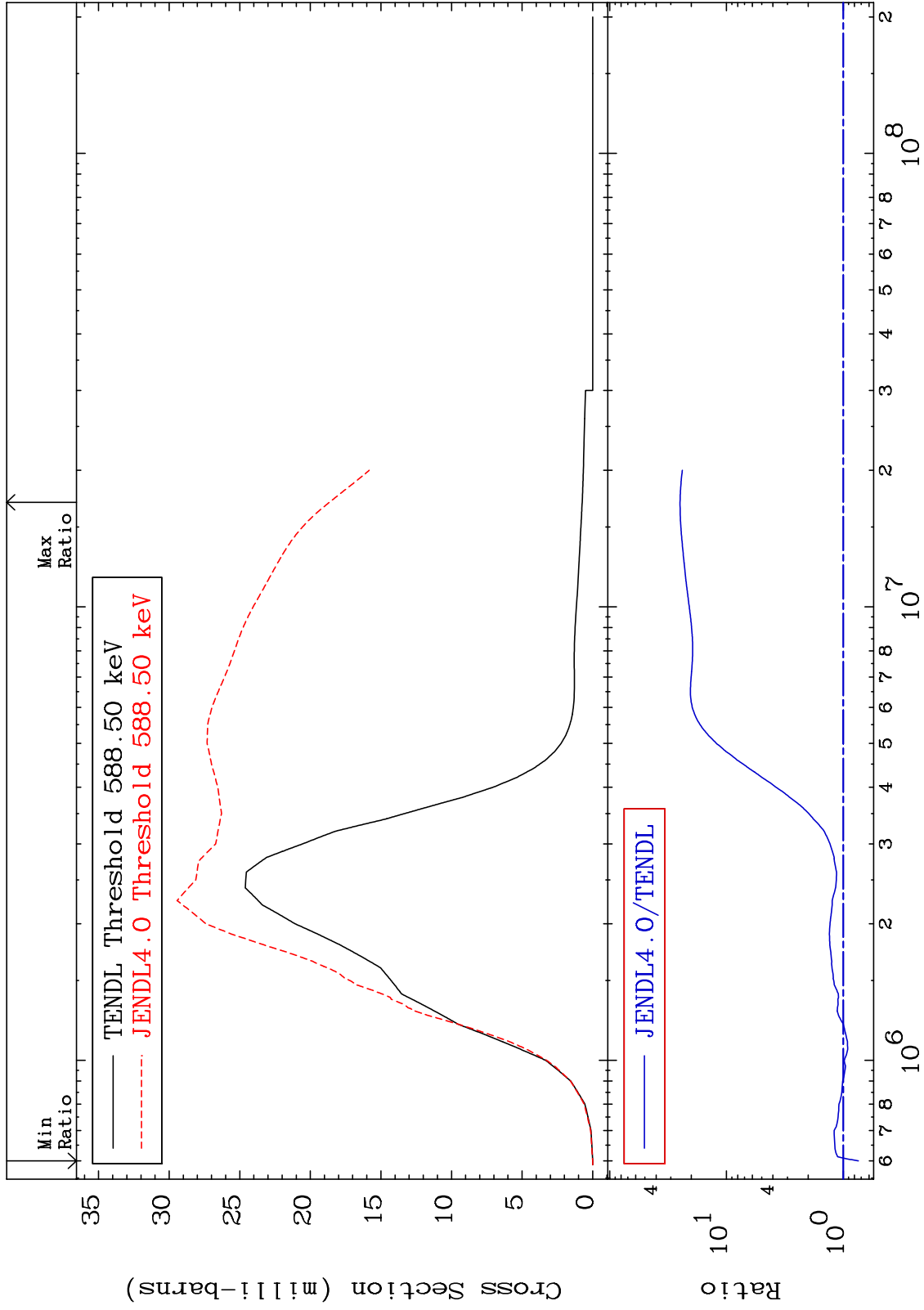
Cross Section



MAT 6437

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

64-Gd-156
-25.88 To 2402. %



12

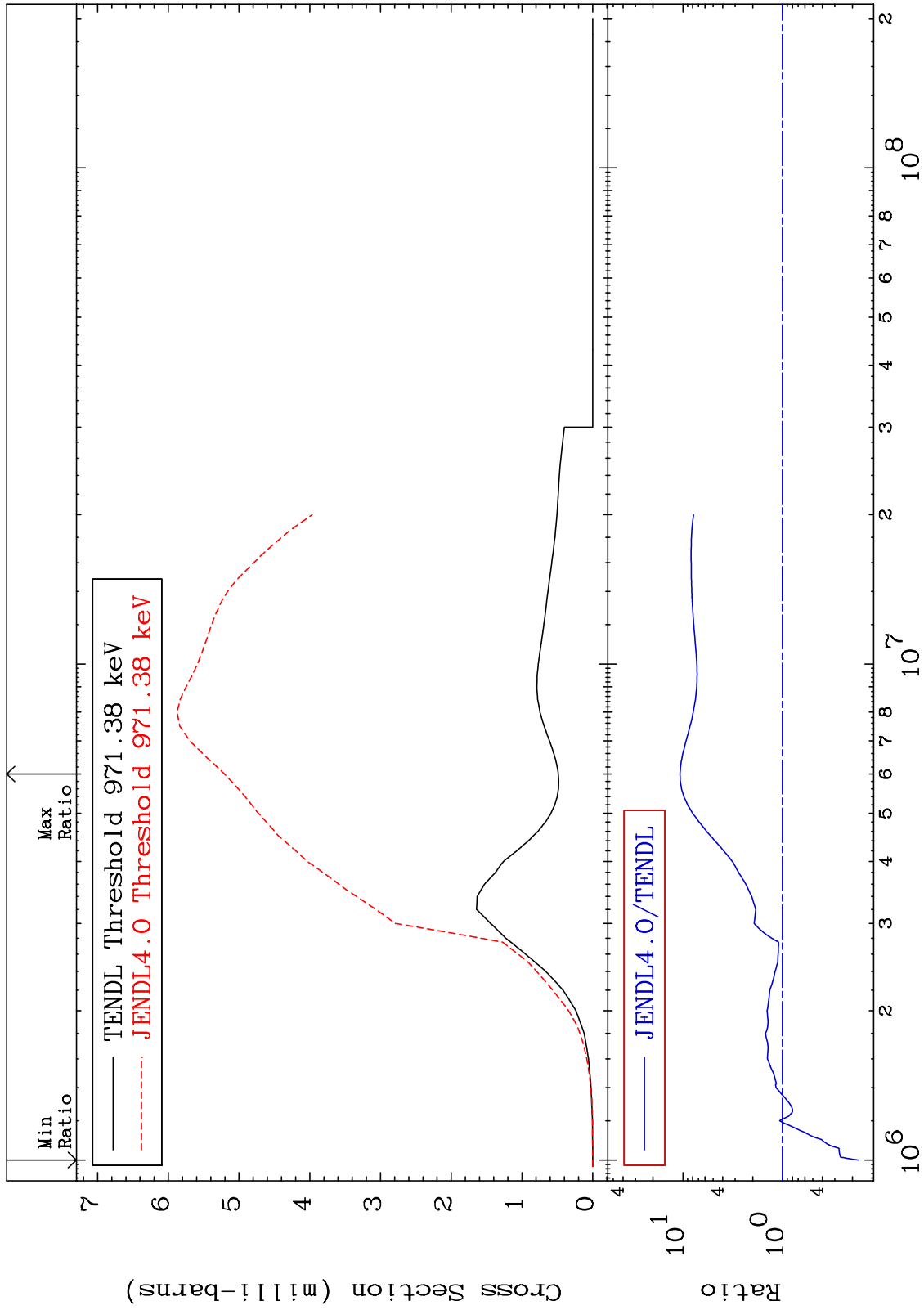
64-Gd-156

64-Gd-156

MAT 6437

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

64-Gd-156
-82.56 To 970.8 %



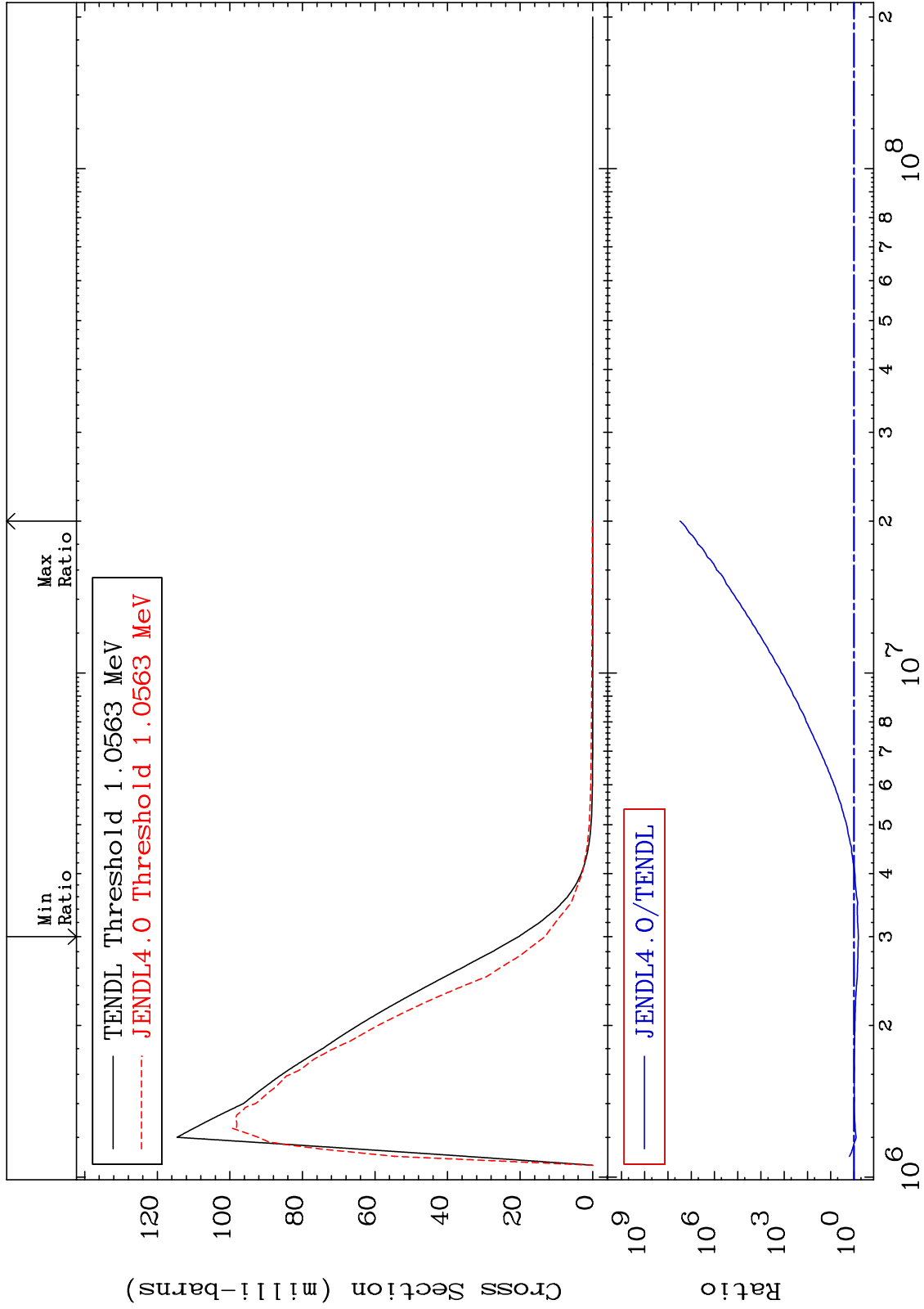
13

64-Gd-156

MAT 6437

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

64-Gd-156
-35.60 To 9999. %



14

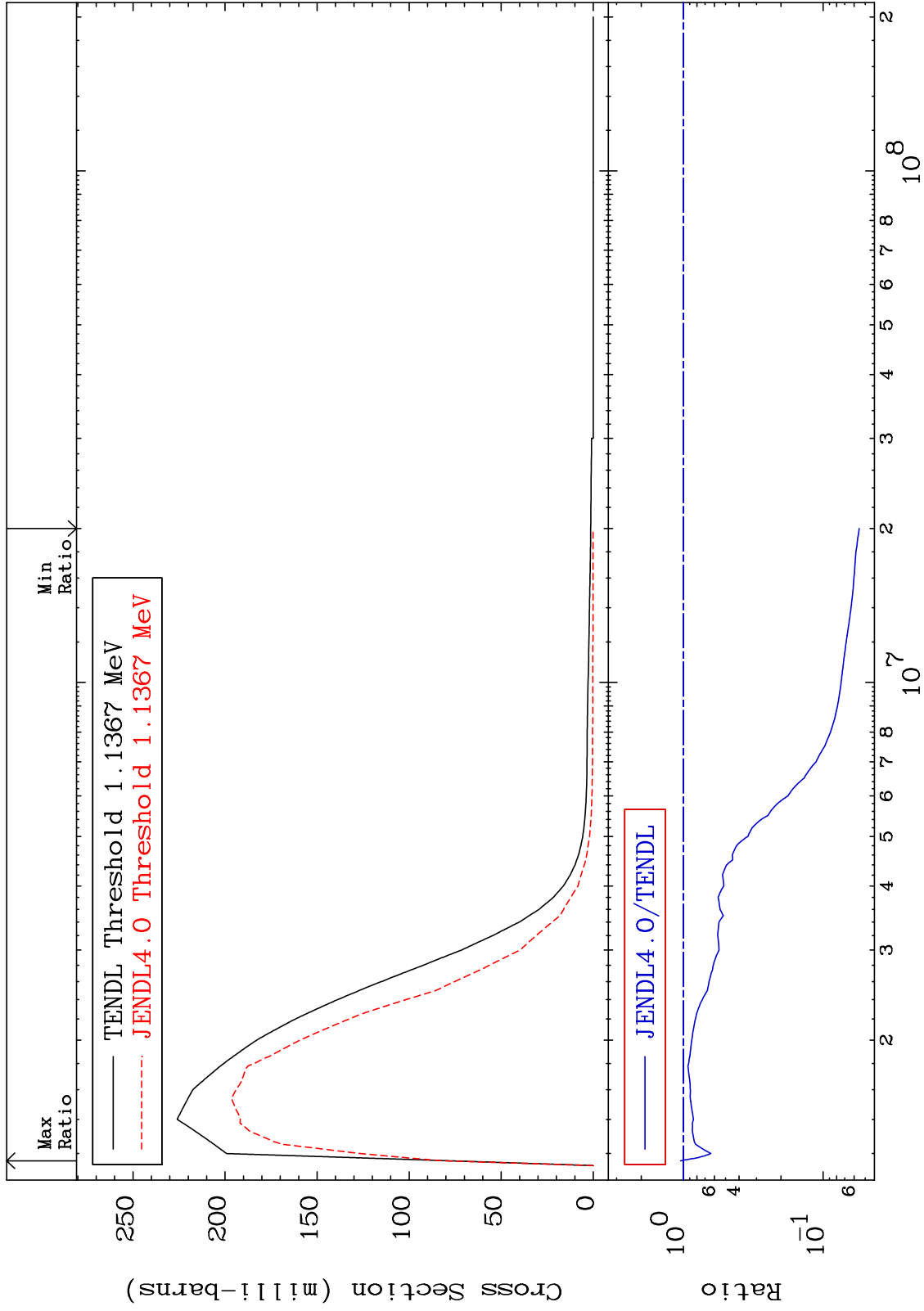
Incident Energy (eV)

64-Gd-156

MAT 6437

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

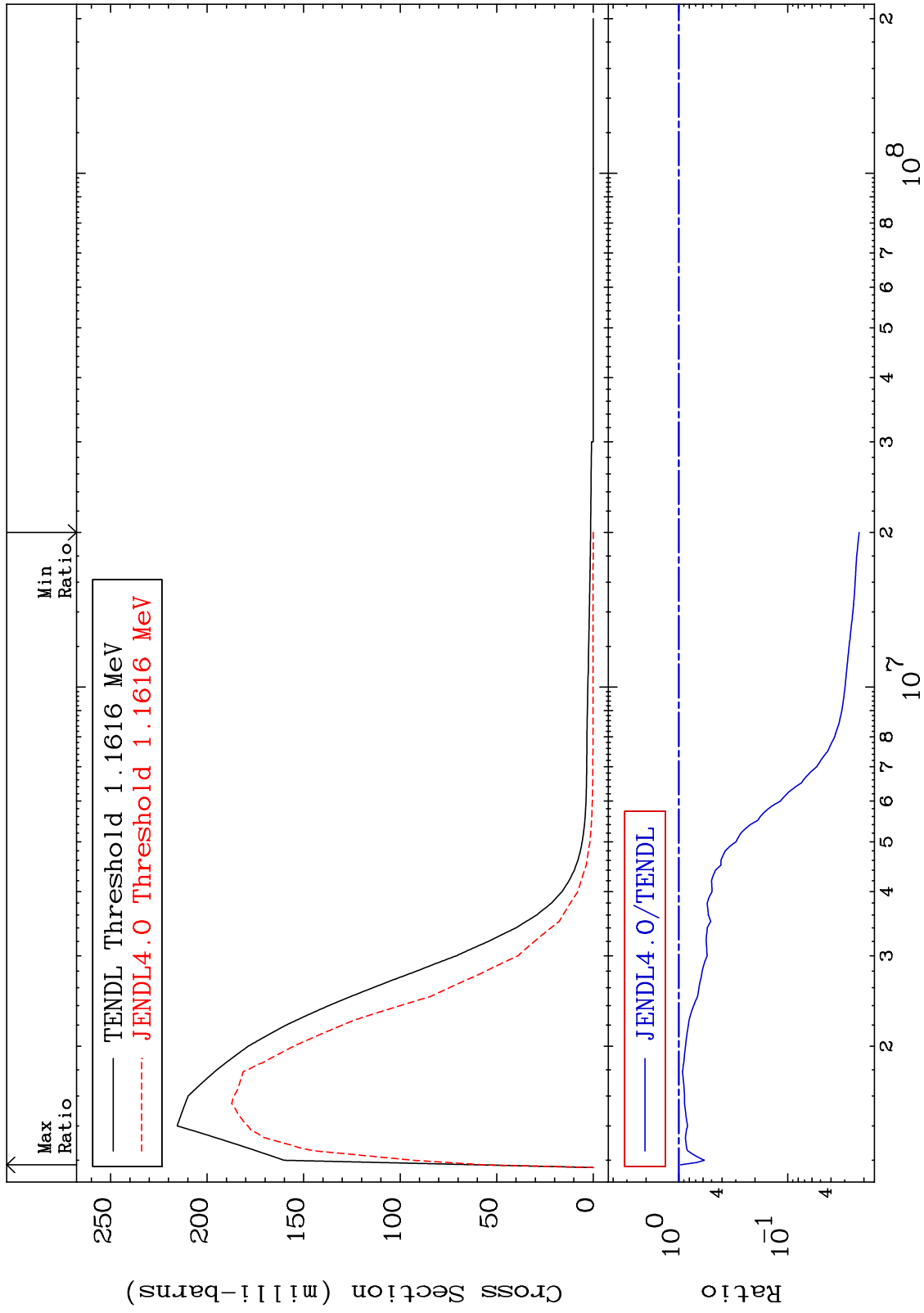
64-Gd-156
-94.48 To 4.616 %



MAT 6437

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

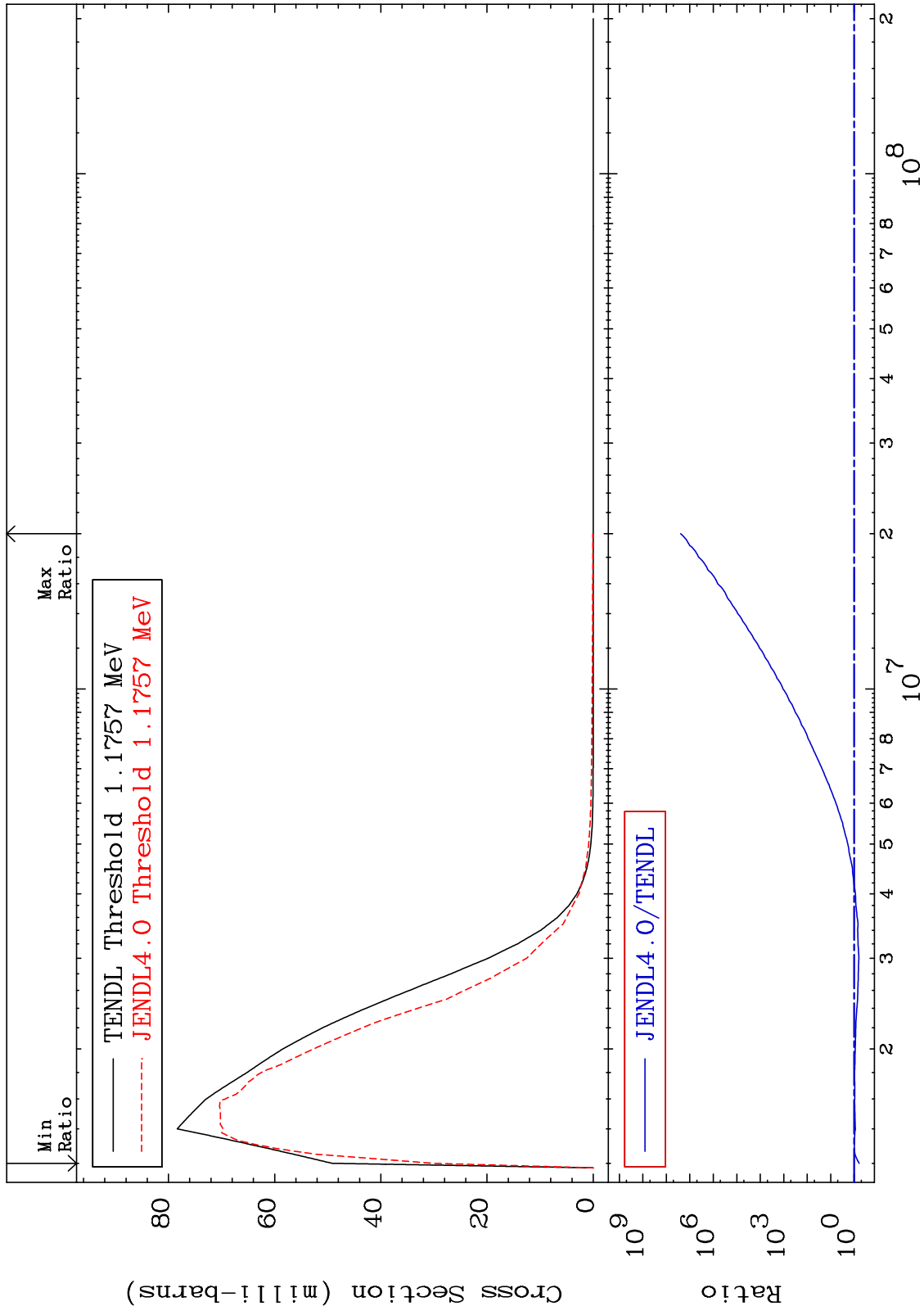
64-Gd-156
-97.79 To -3.841%



MAT 6437

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

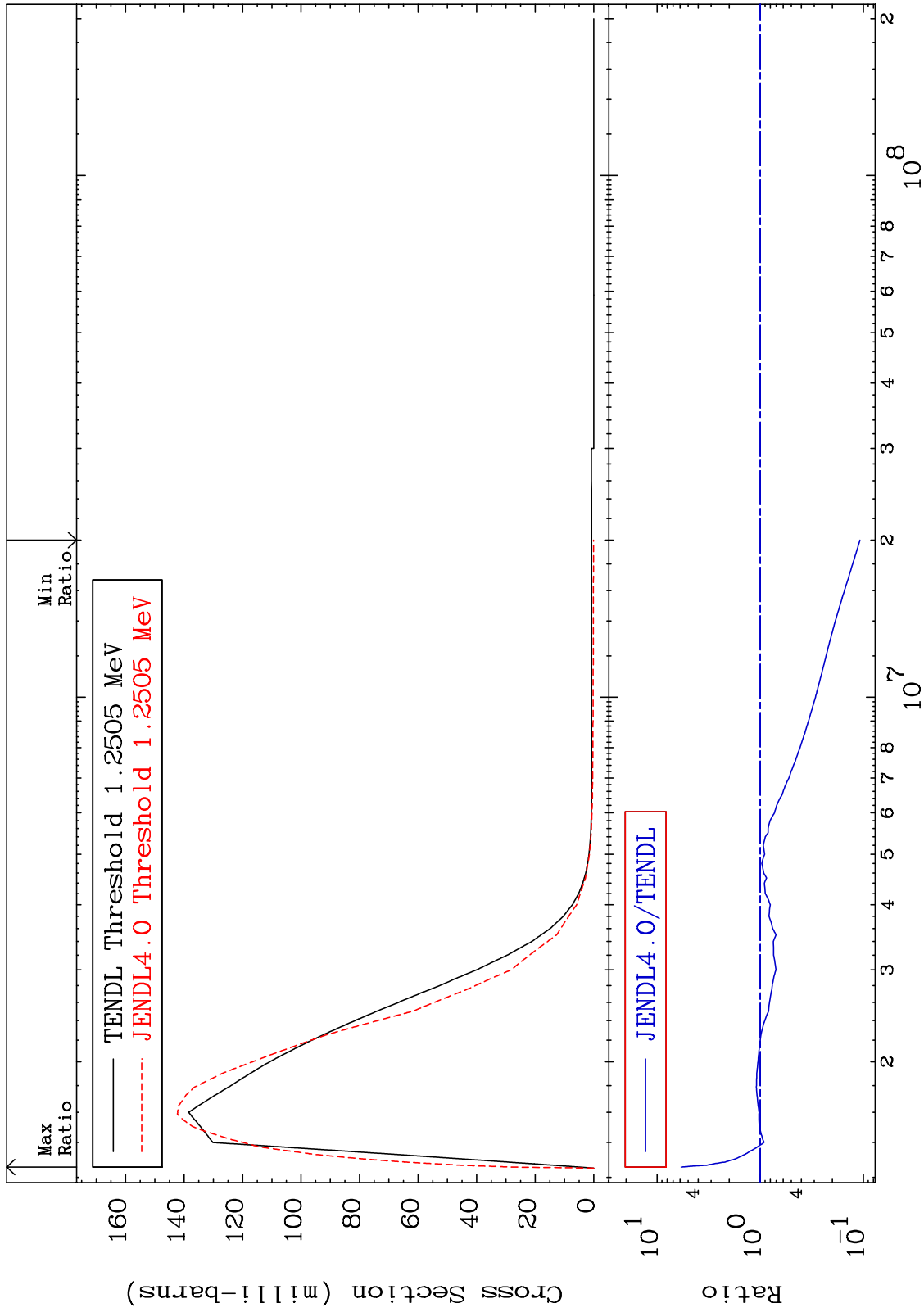
64-Gd-156
-38.76 To 9999. %



MAT 6437

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

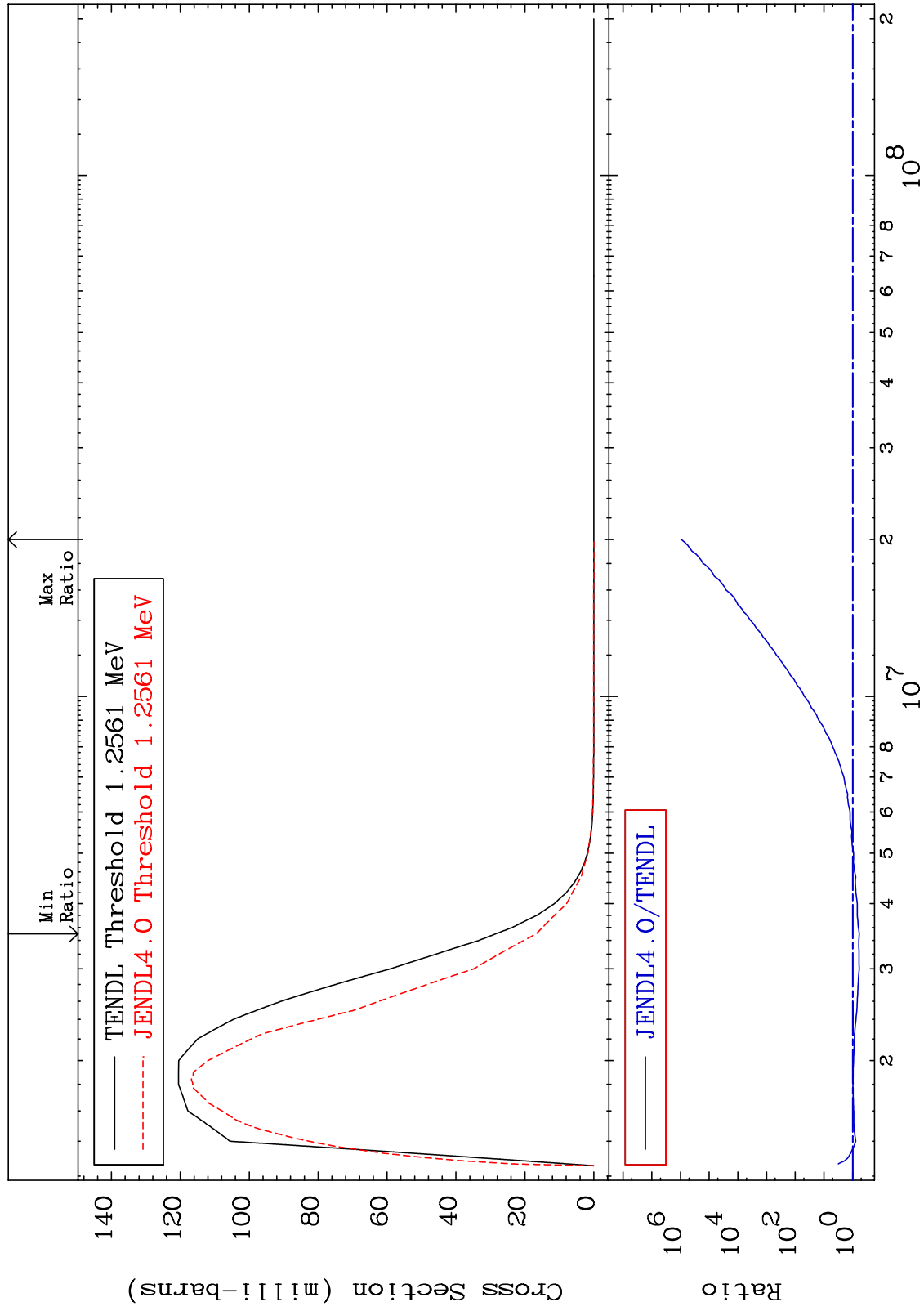
64-Gd-156
-89.18 To 484.7 %



MAT 6437

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

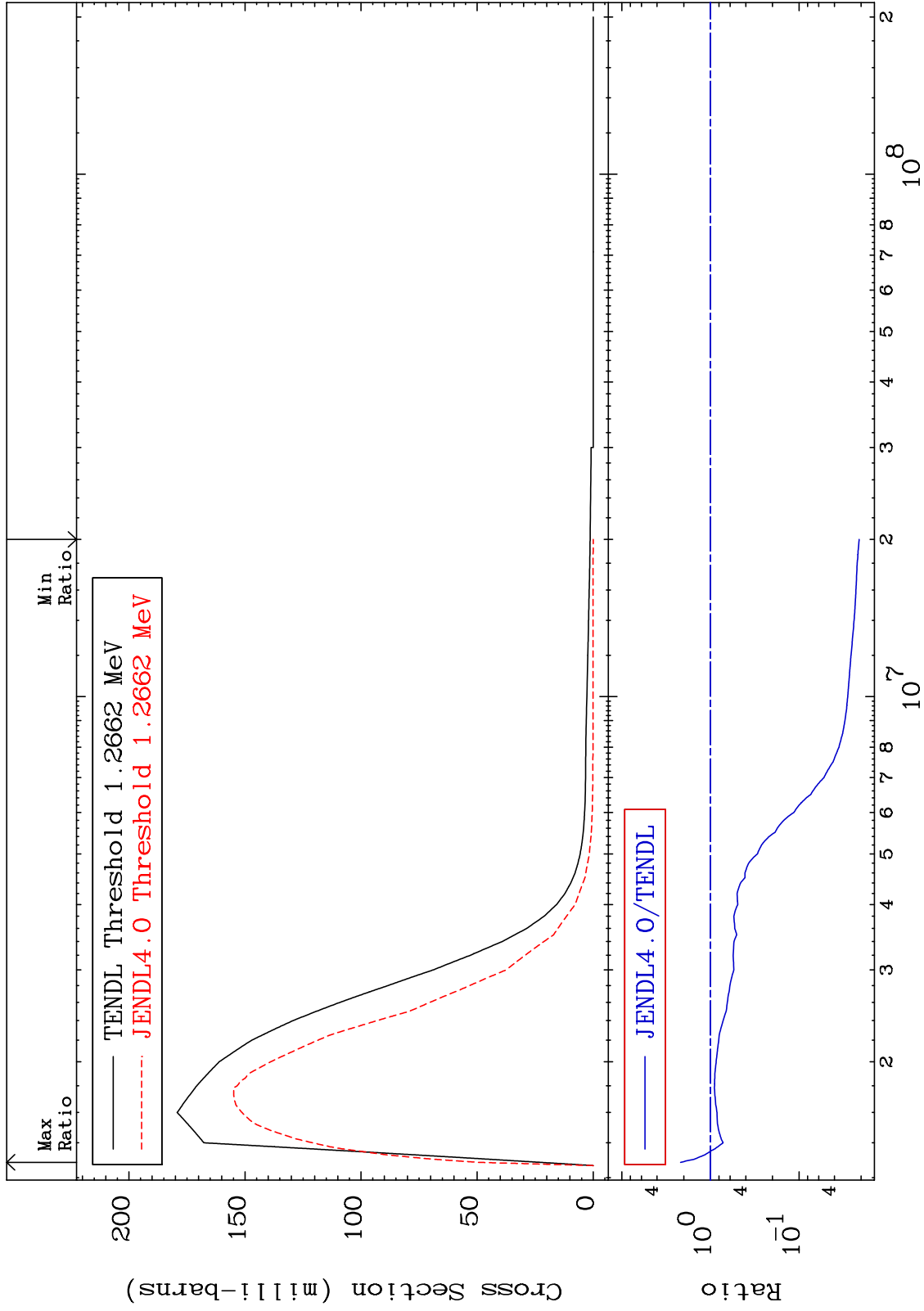
64-Gd-156
-41.47 To 9999. %



MAT 6437

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

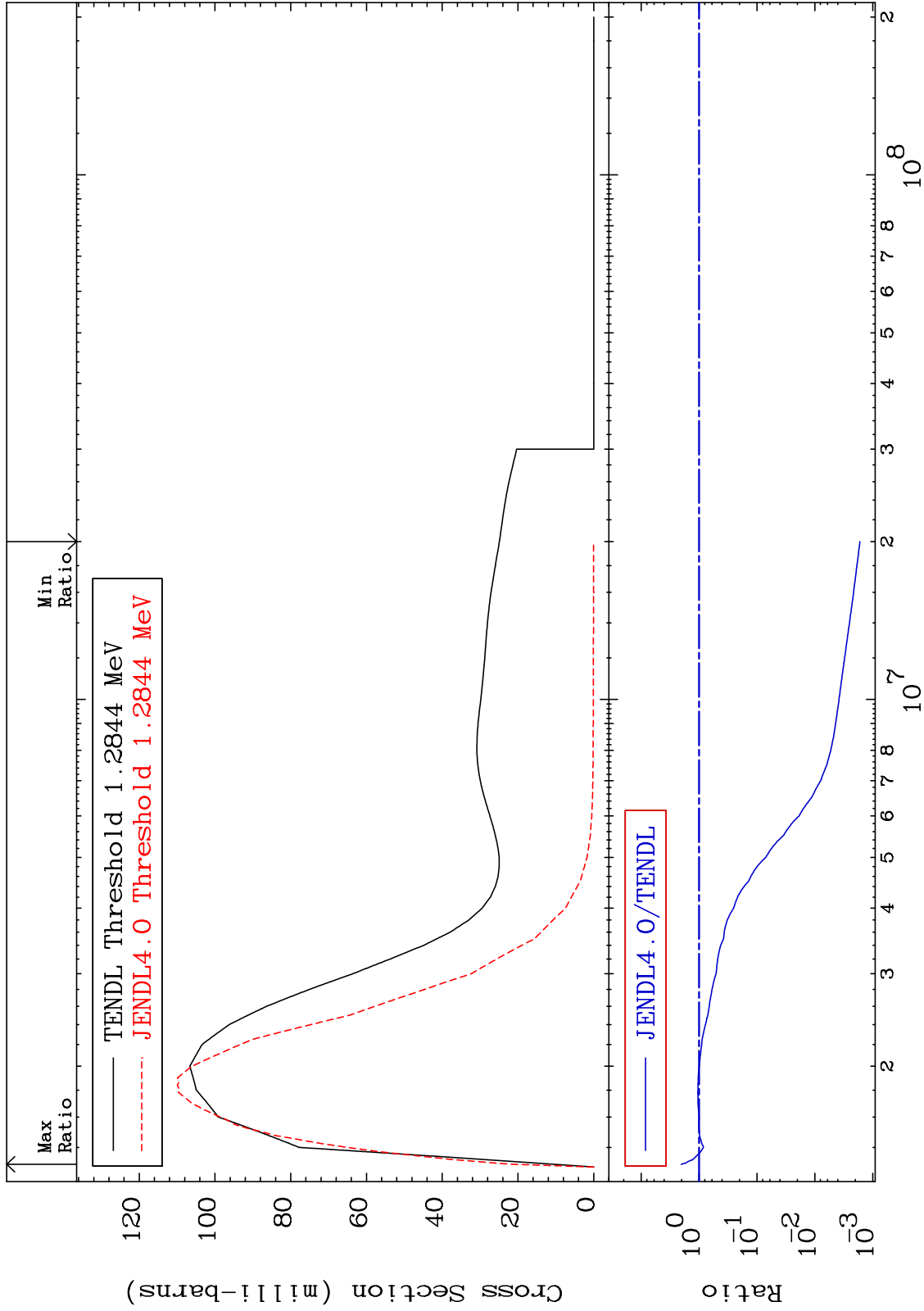
64-Gd-156
-97.90 To 117.0 %



MAT 6437

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

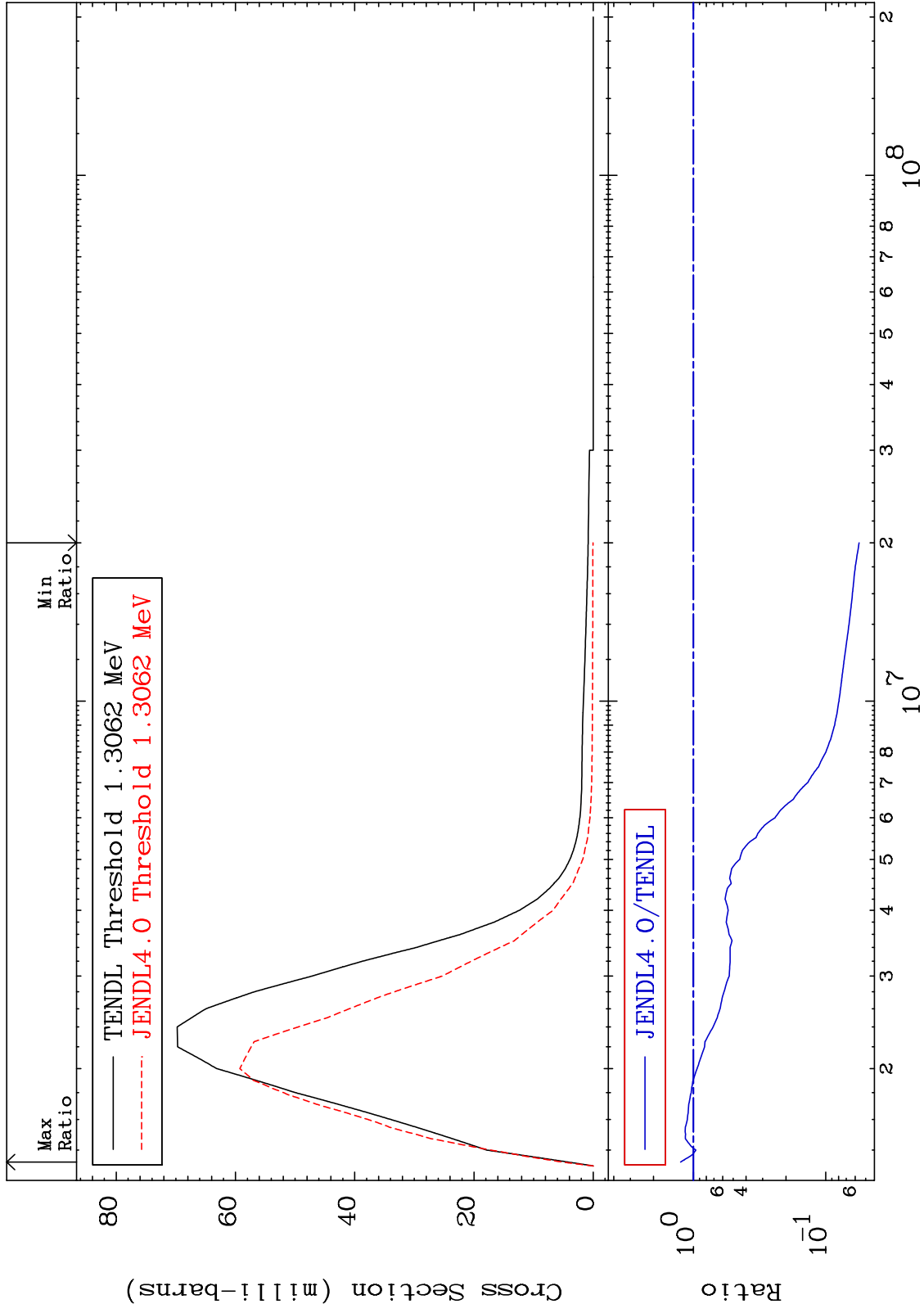
64-Gd-156
-99.83 To 103.3 %



MAT 6437

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

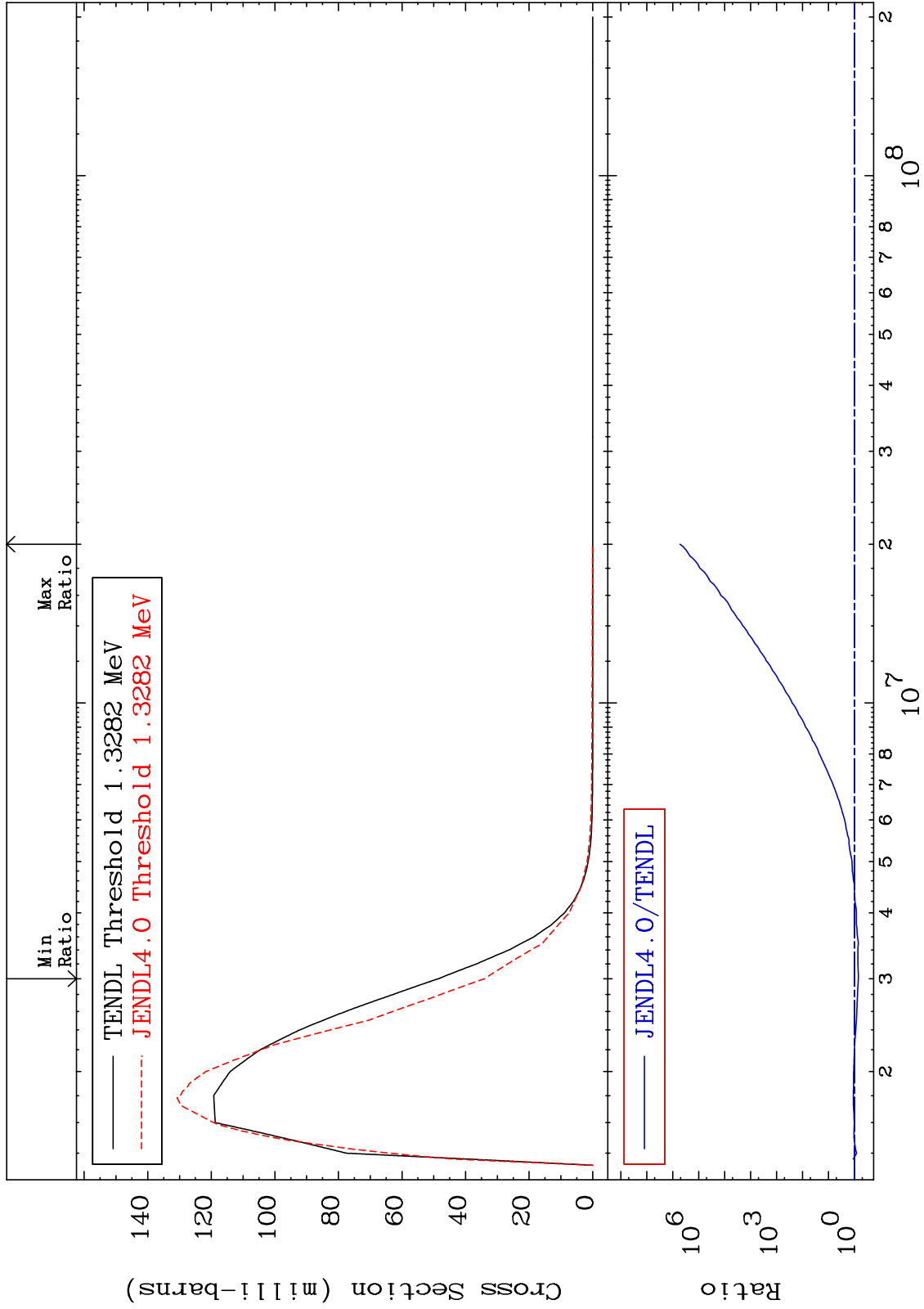
64-Gd-156
-94.40 To 24.91 %



MAT 6437

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

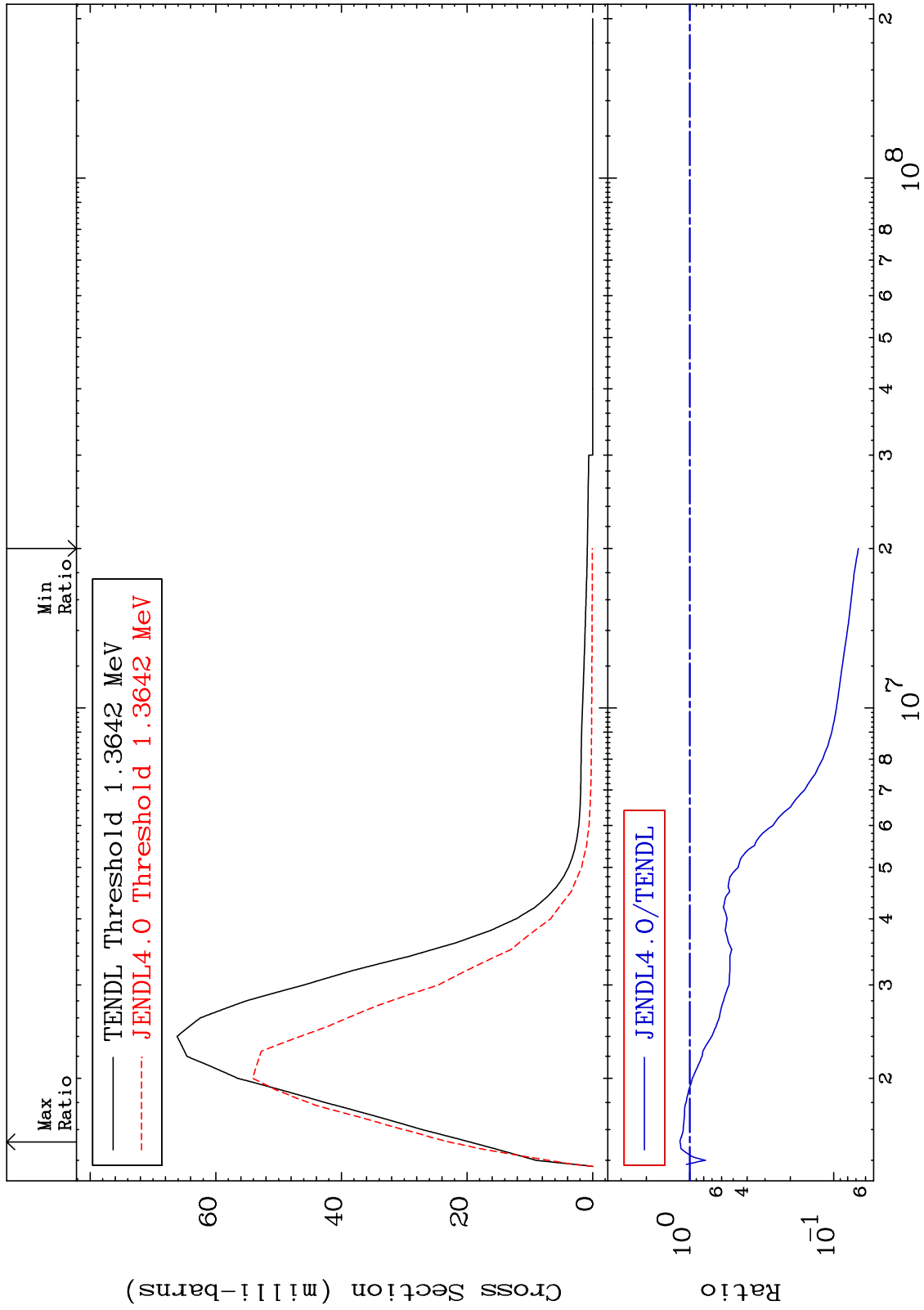
64-Gd-156
-29.91 To 9999. %



MAT 6437

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

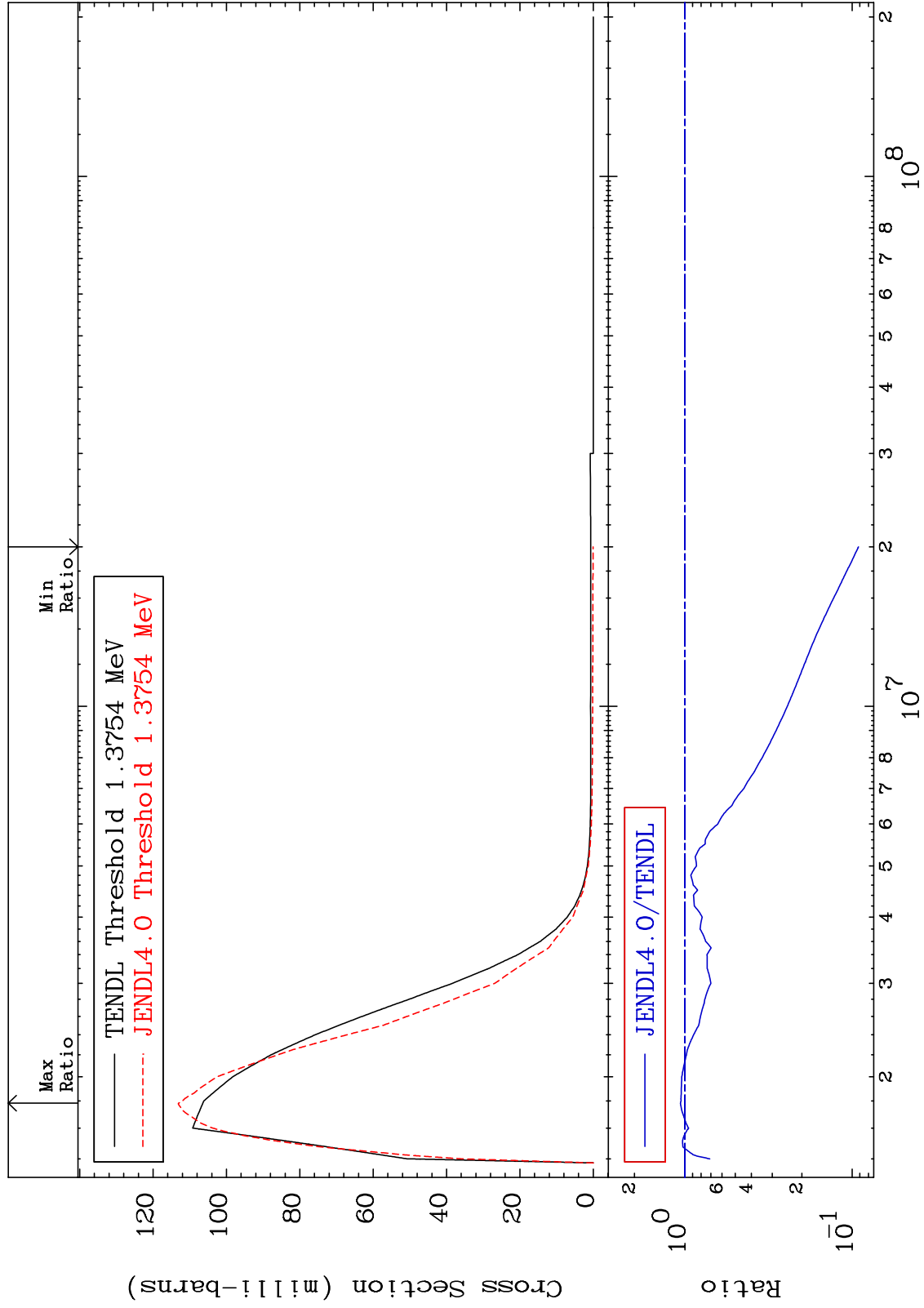
64-Gd-156
-93.26 To 16.81 %



MAT 6437

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

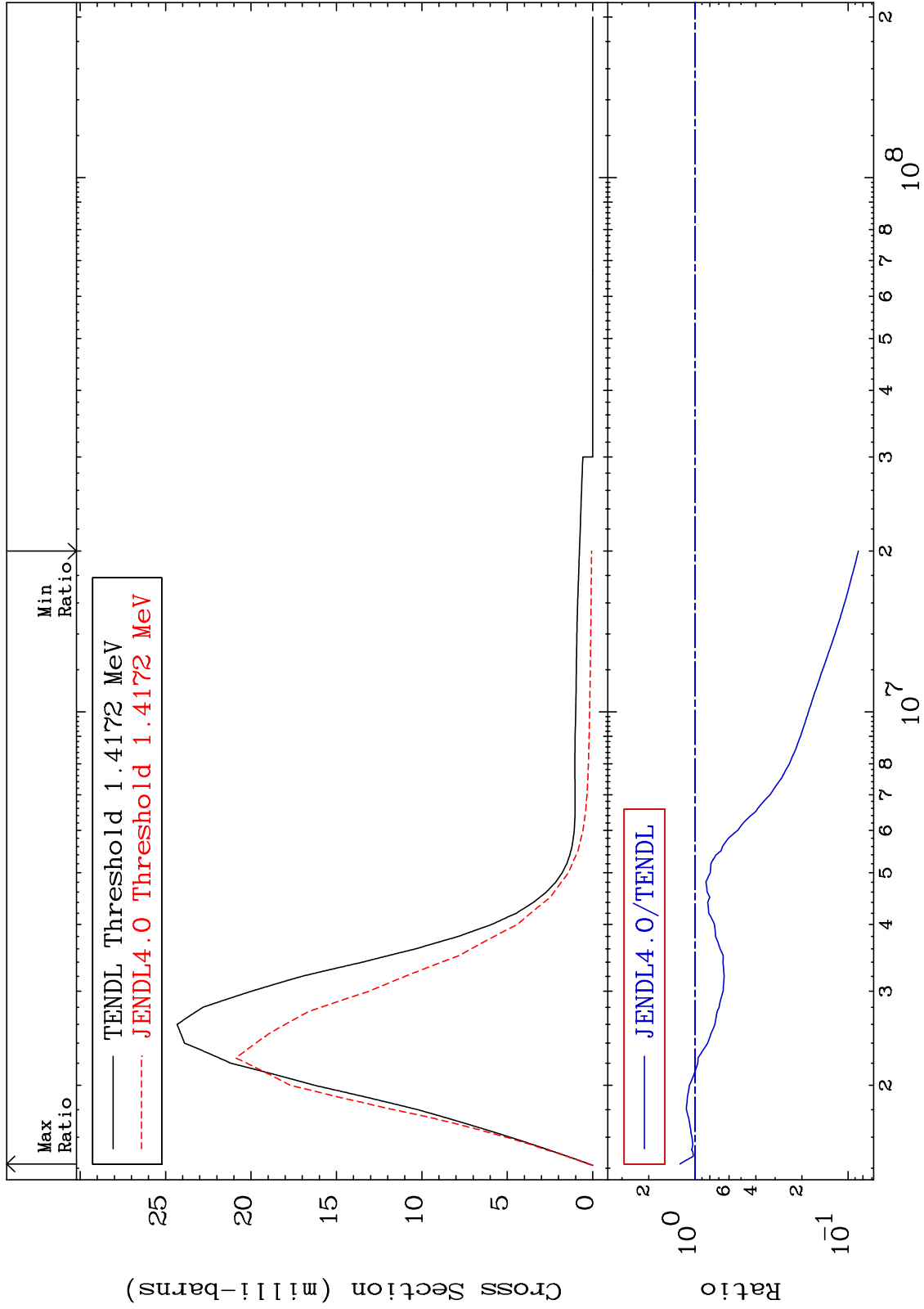
64-Gd-156
-90.83 To 6.240 %



MAT 6437

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

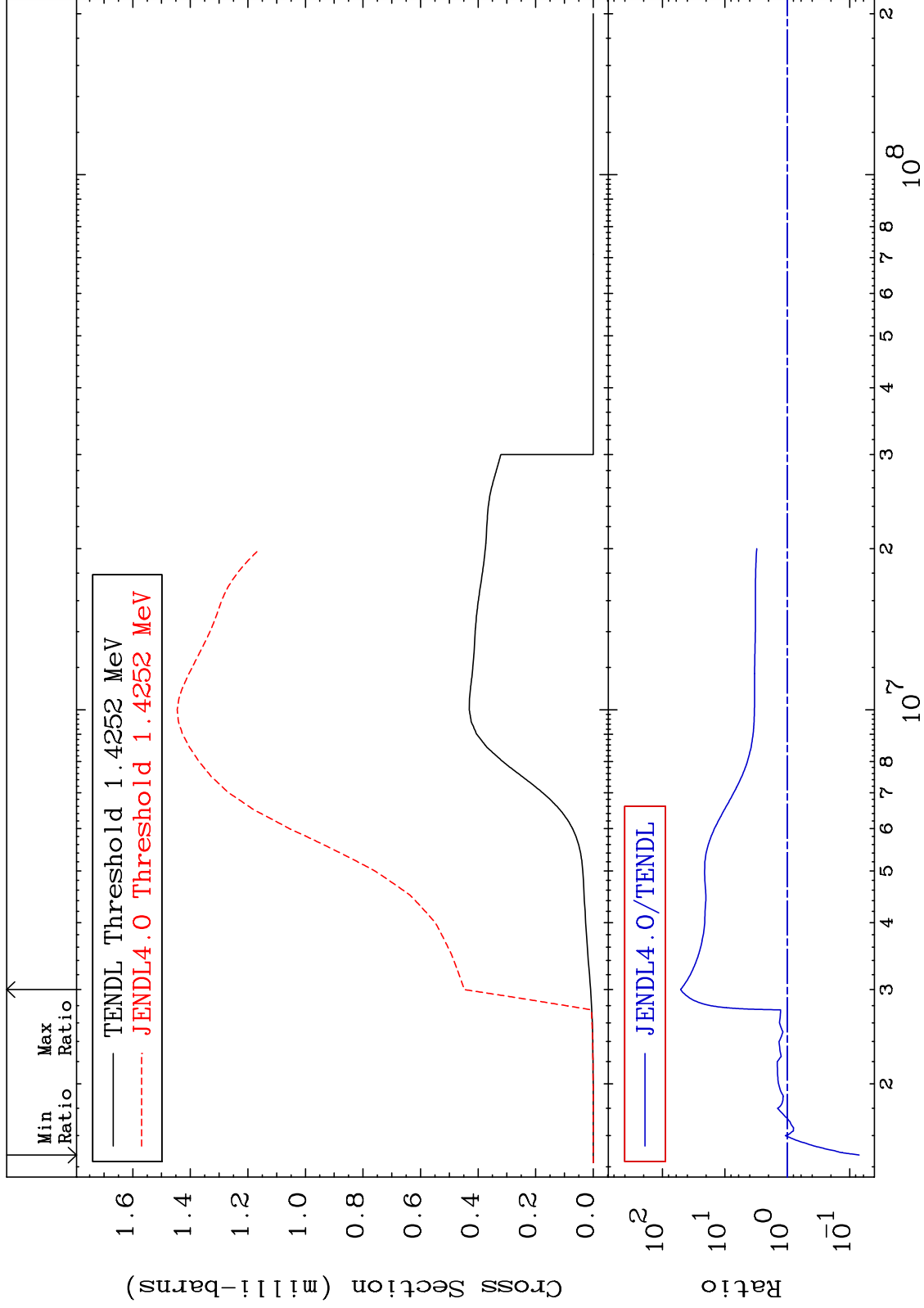
64-Gd-156
-91.44 To 25.17 %



MAT 6437

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

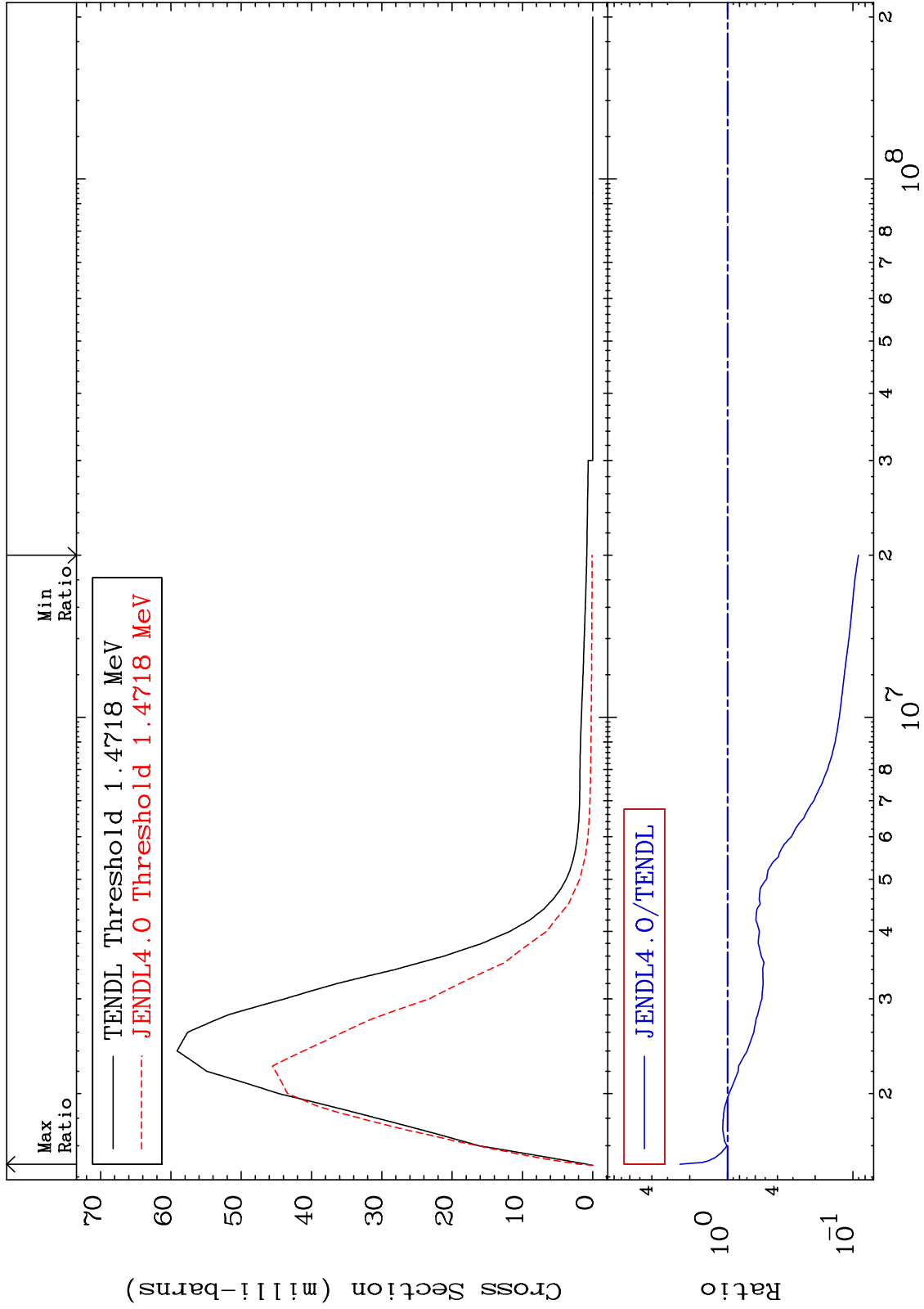
64-Gd-156
-92.95 To 5012. %



MAT 6437

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

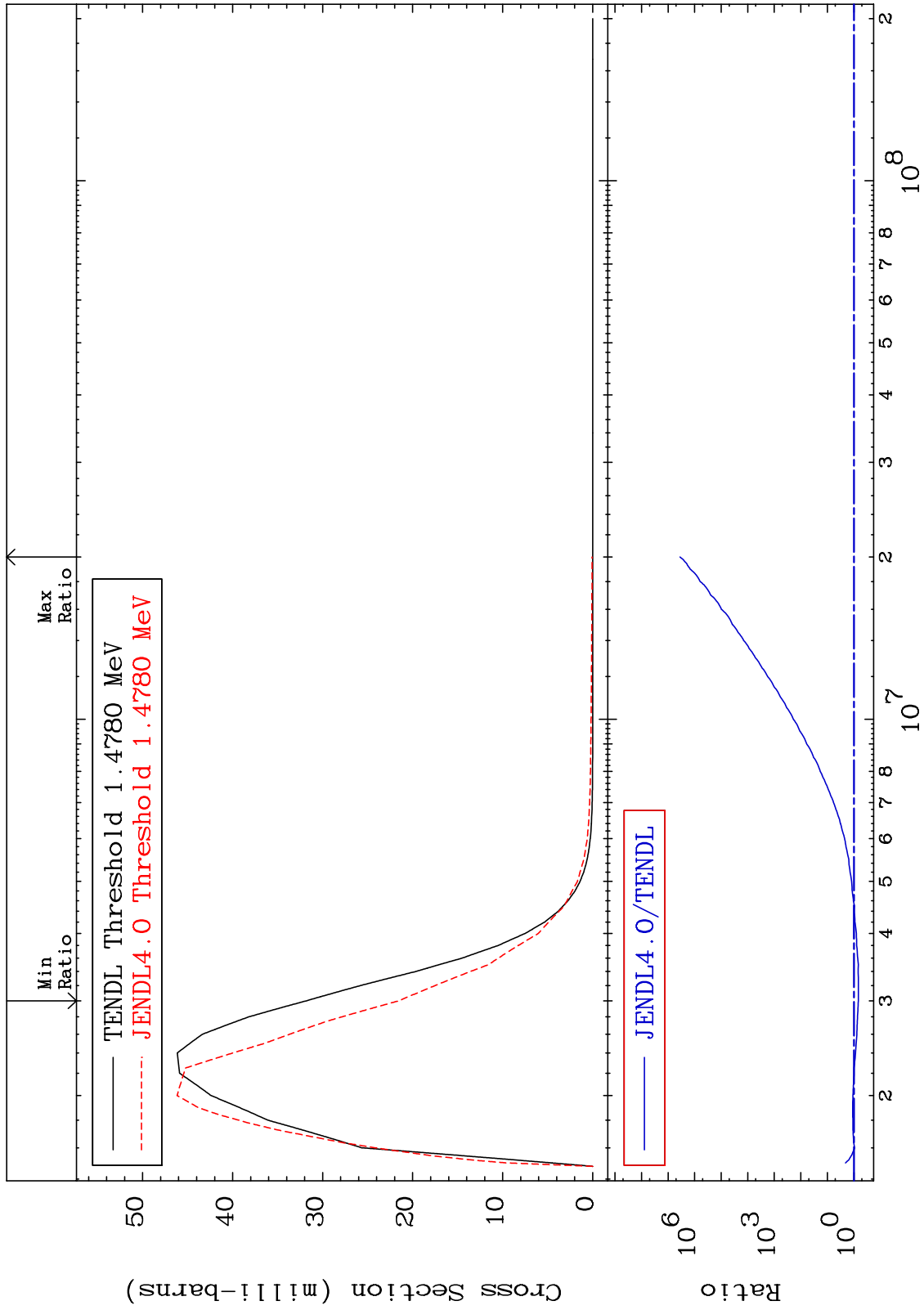
64-Gd-156
-90.97 To 138.7 %



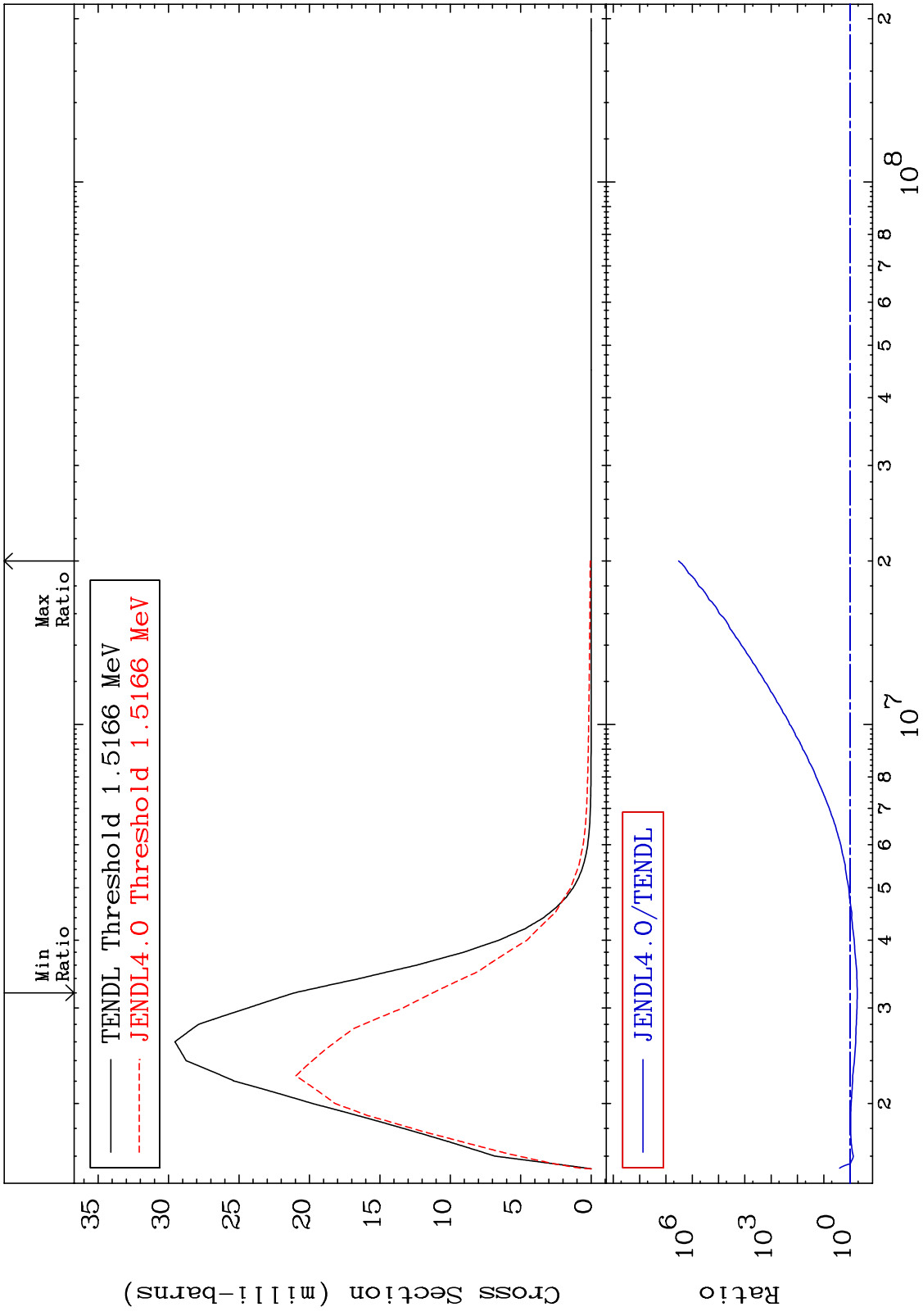
MAT 6437

MT= 70 (n,n') Level
Cross Section

64-Gd-156
-32.34 To 9999. %



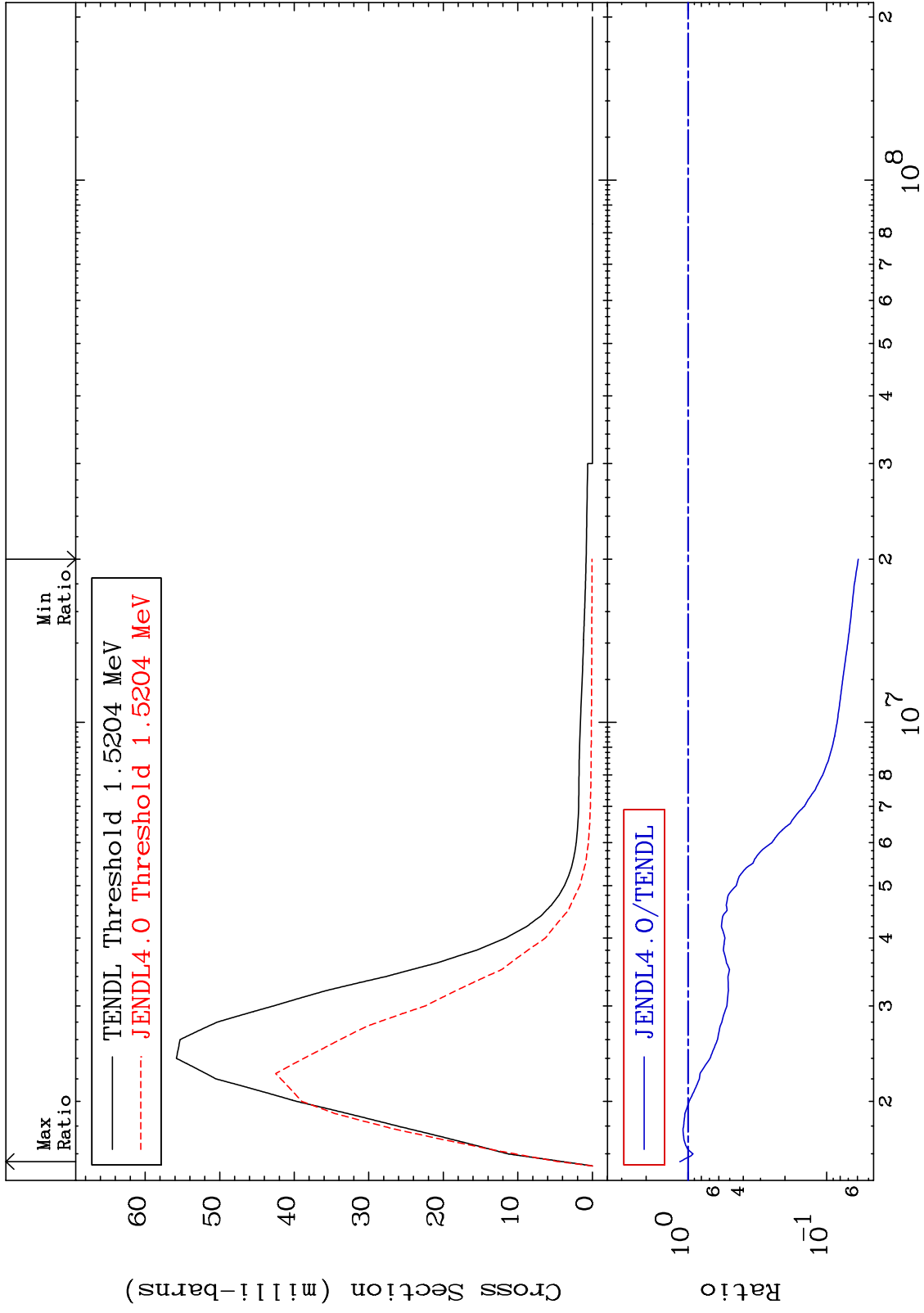
MAT 6437 MT= 71 (n,n') Level Cross Section 64-Gd-156
 -46.65 To 9999. %



MAT 6437

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

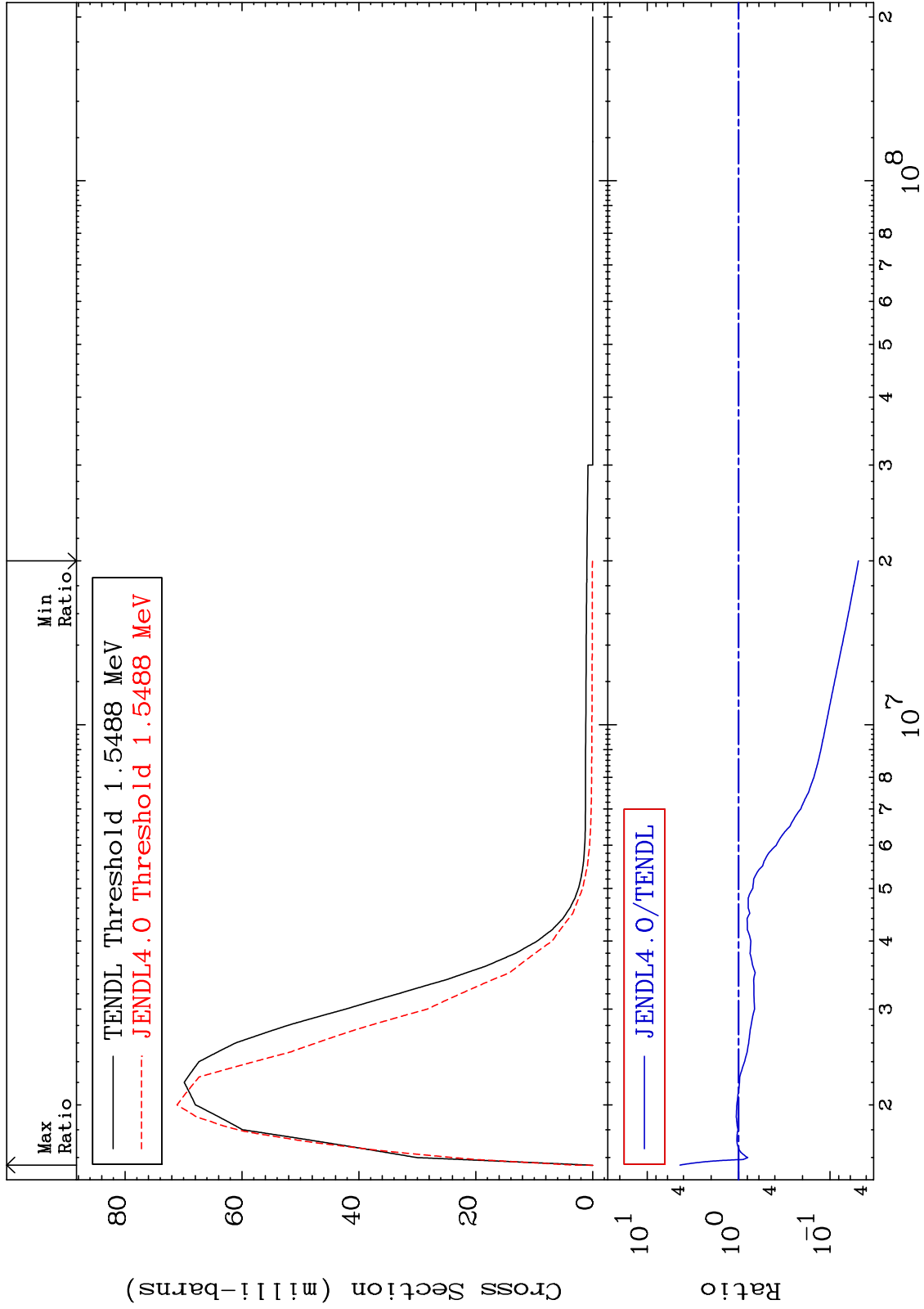
64-Gd-156
-94.08 To 14.54 %



MAT 6437

MT= 73 (n,n') Level
Cross Section

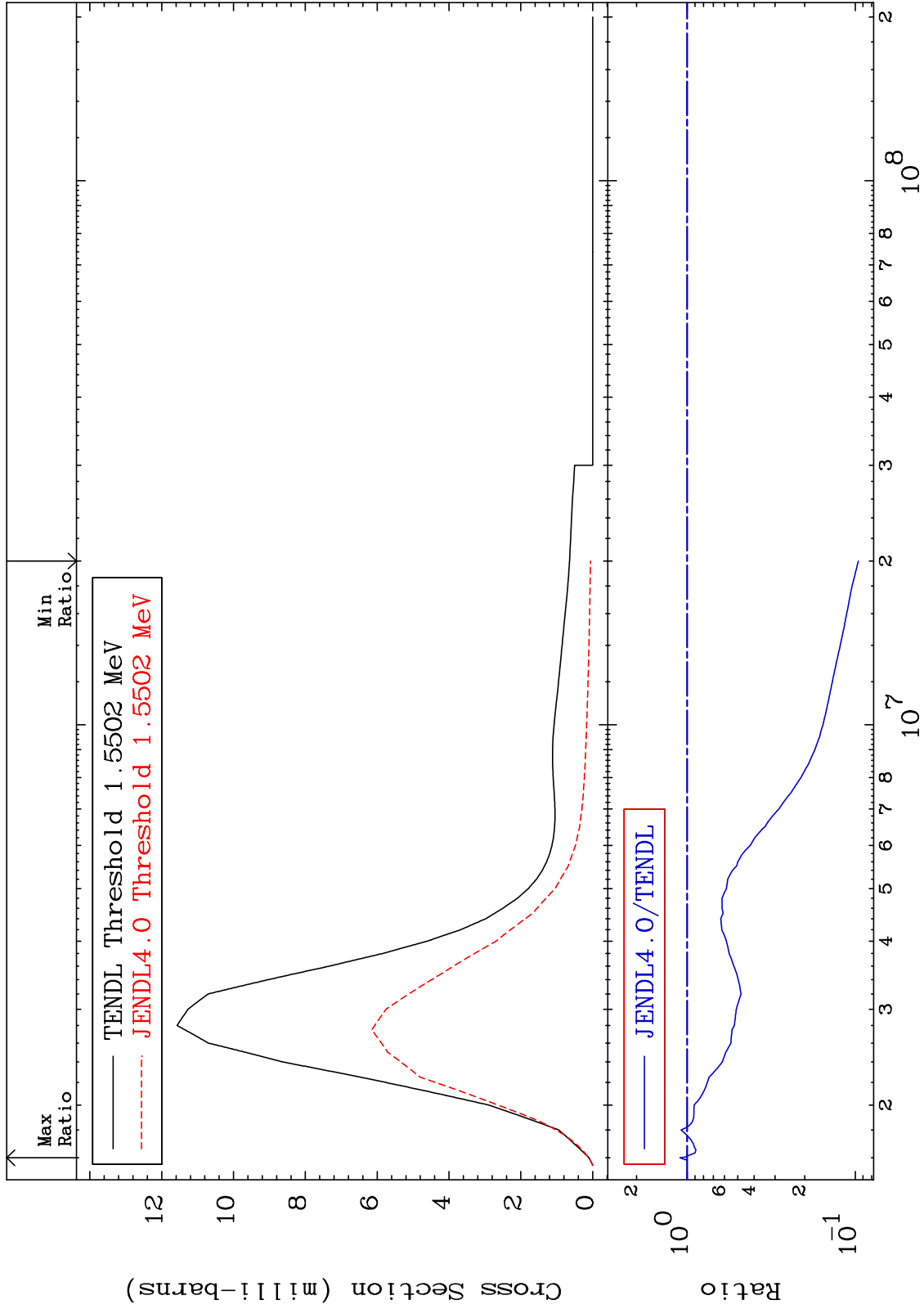
64-Gd-156
-95.12 To 337.2 %



MAT 6437

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

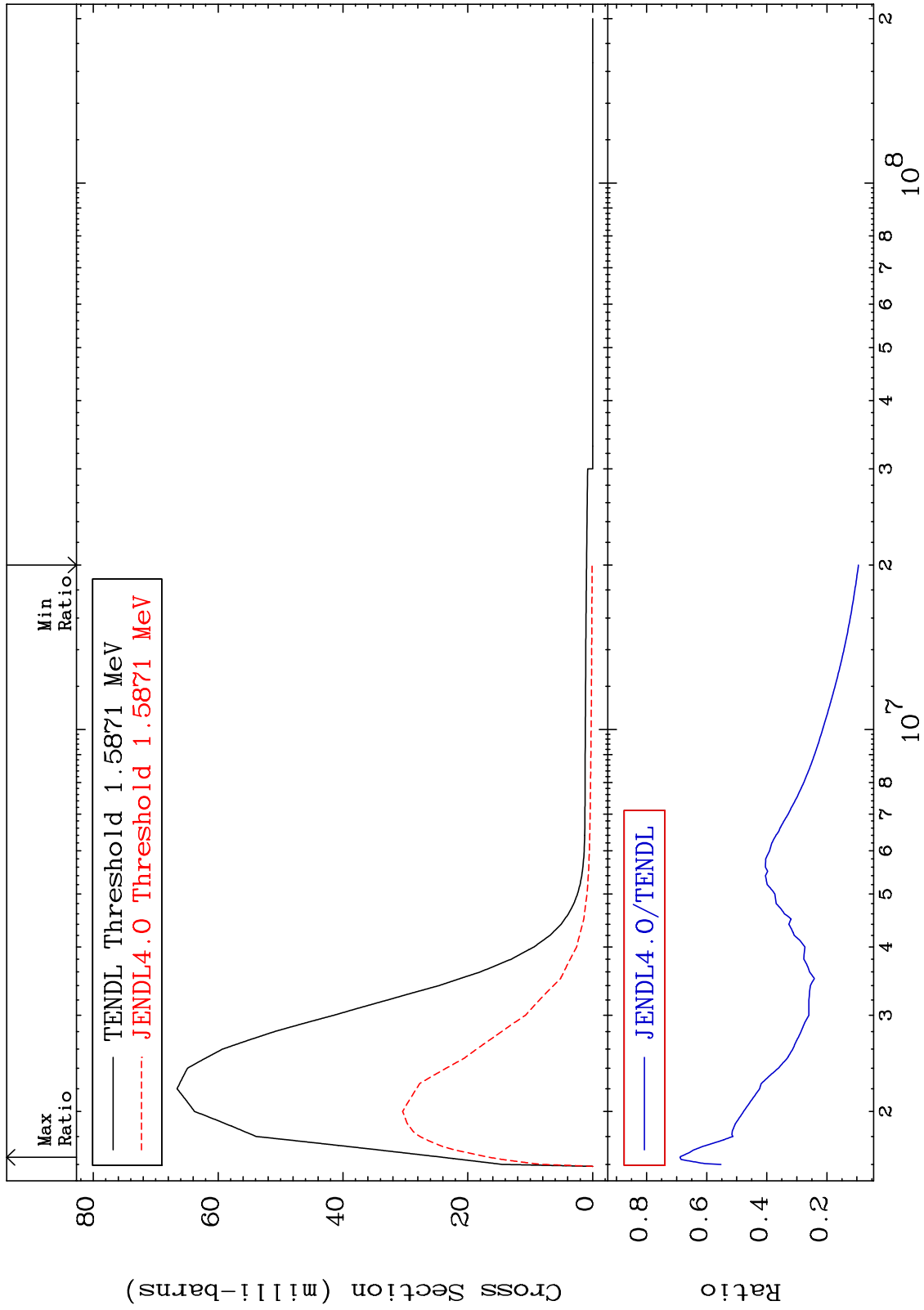
64-Gd-156
-90.42 To 10.36 %



MAT 6437

MT= 75 (n,n') Level
Cross Section

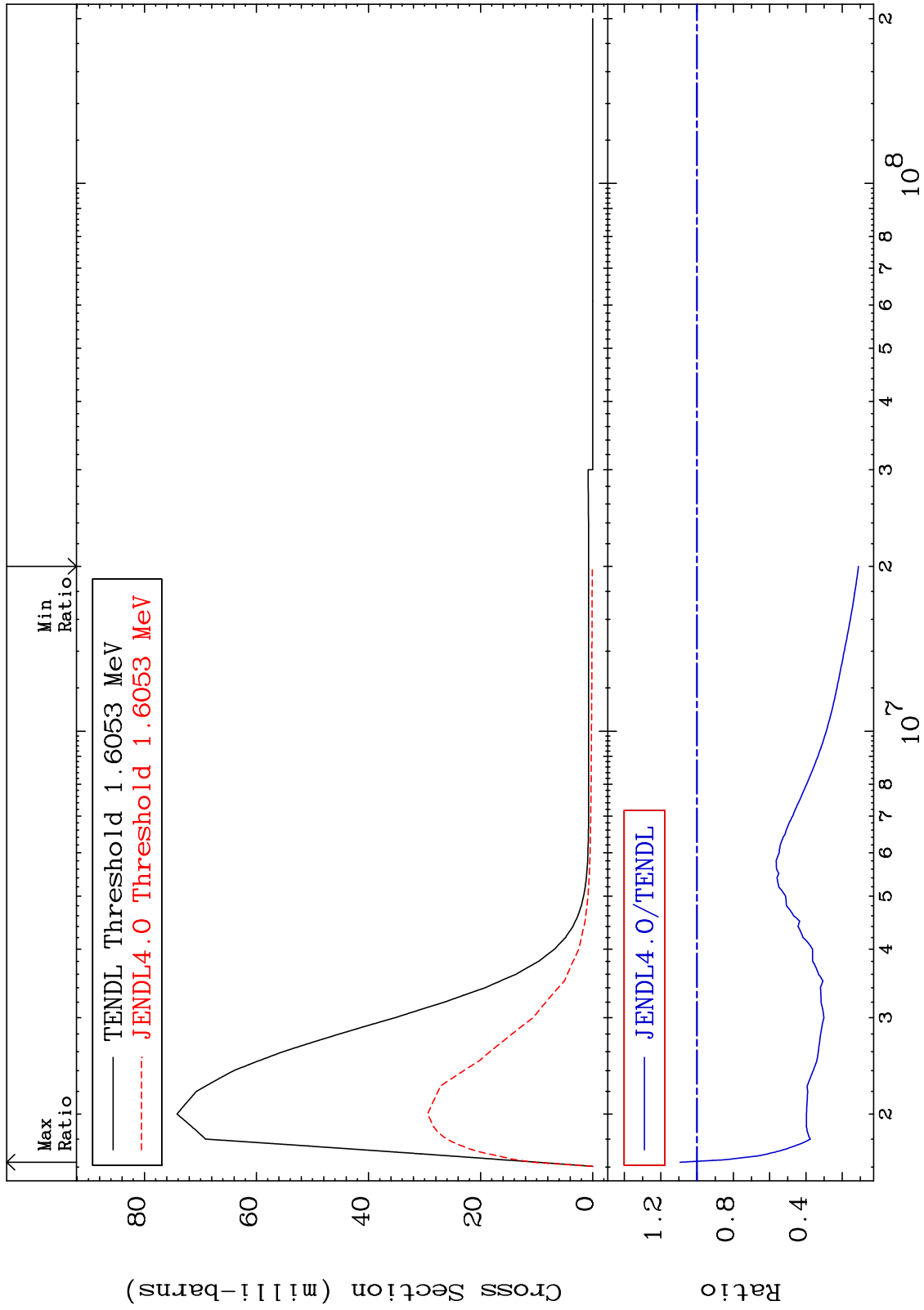
64-Gd-156
-90.49 To -31.12%



MAT 6437

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

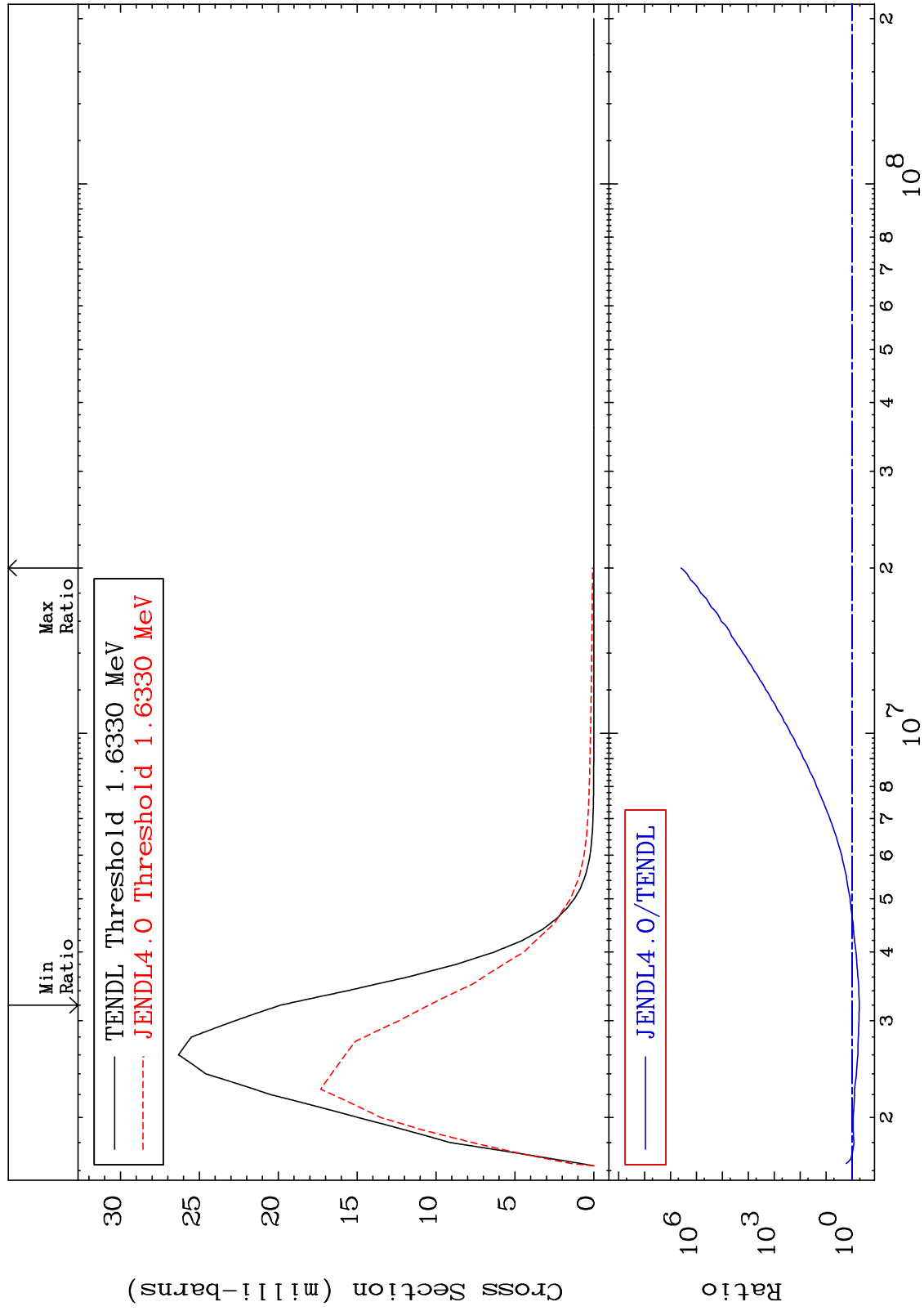
64-Gd-156
-88.92 To 9.374 %



MAT 6437

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

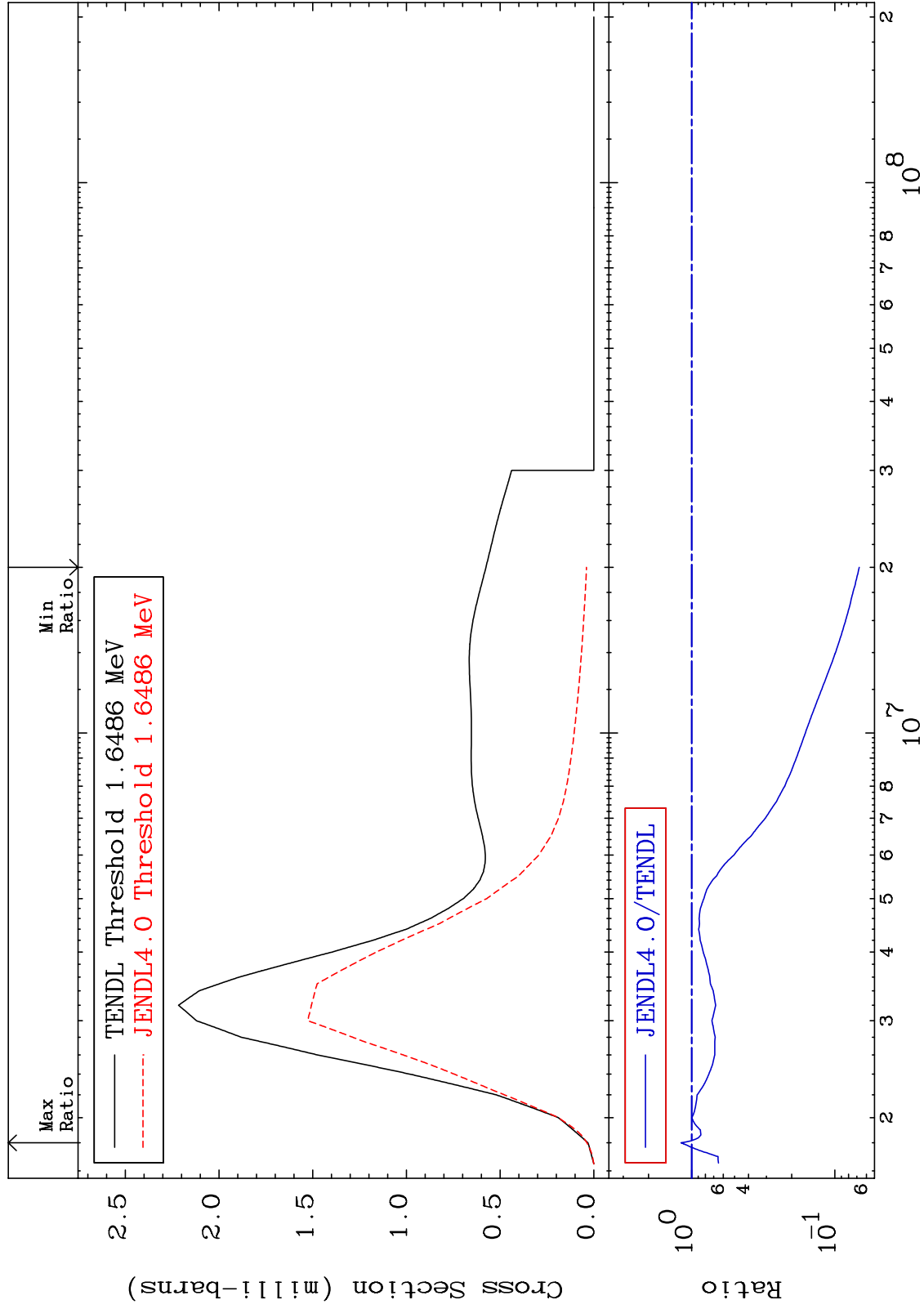
64-Gd-156
-47.34 To 9999. %



MAT 6437

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

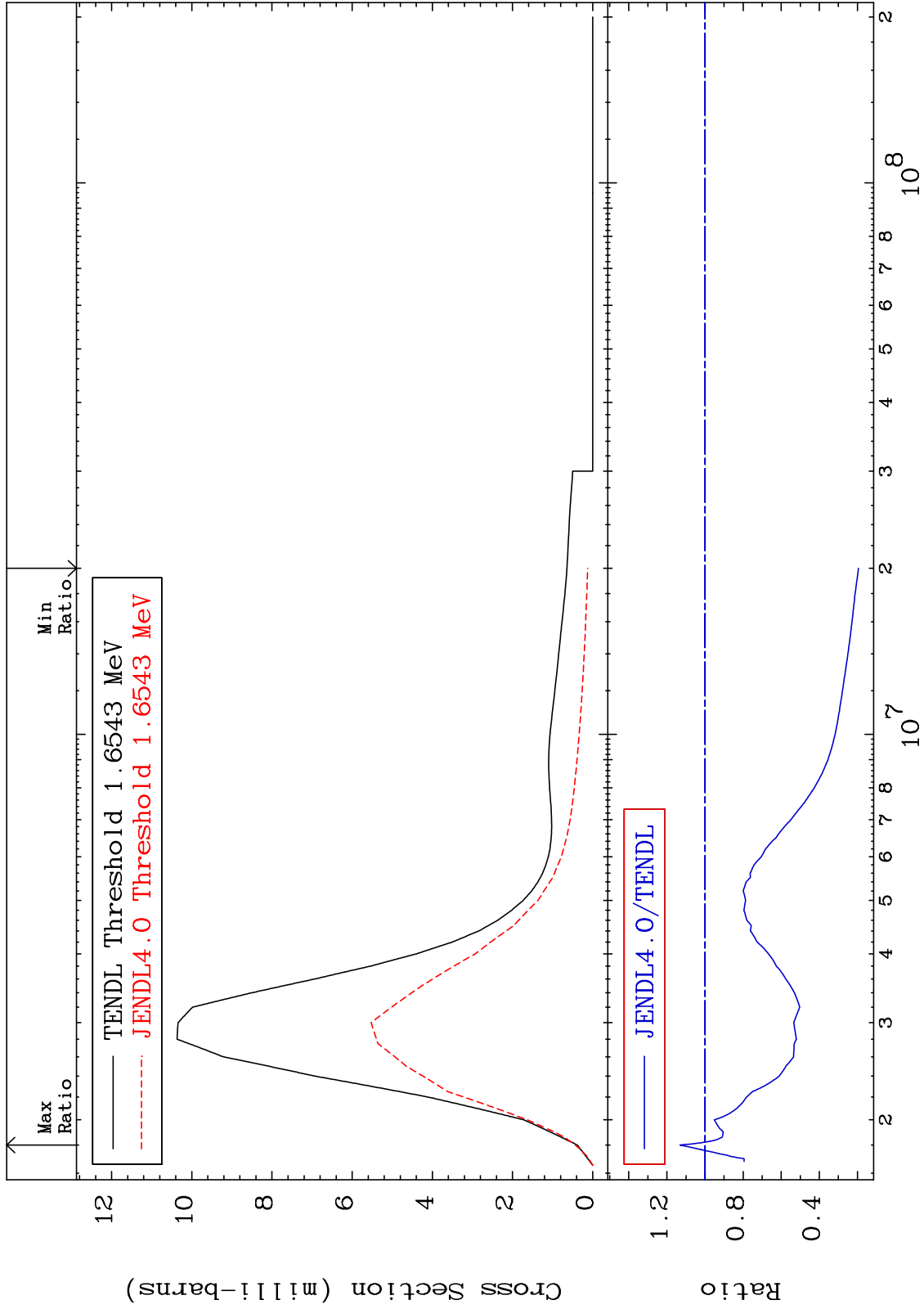
64-Gd-156
-93.26 To 18.49 %



MAT 6437

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

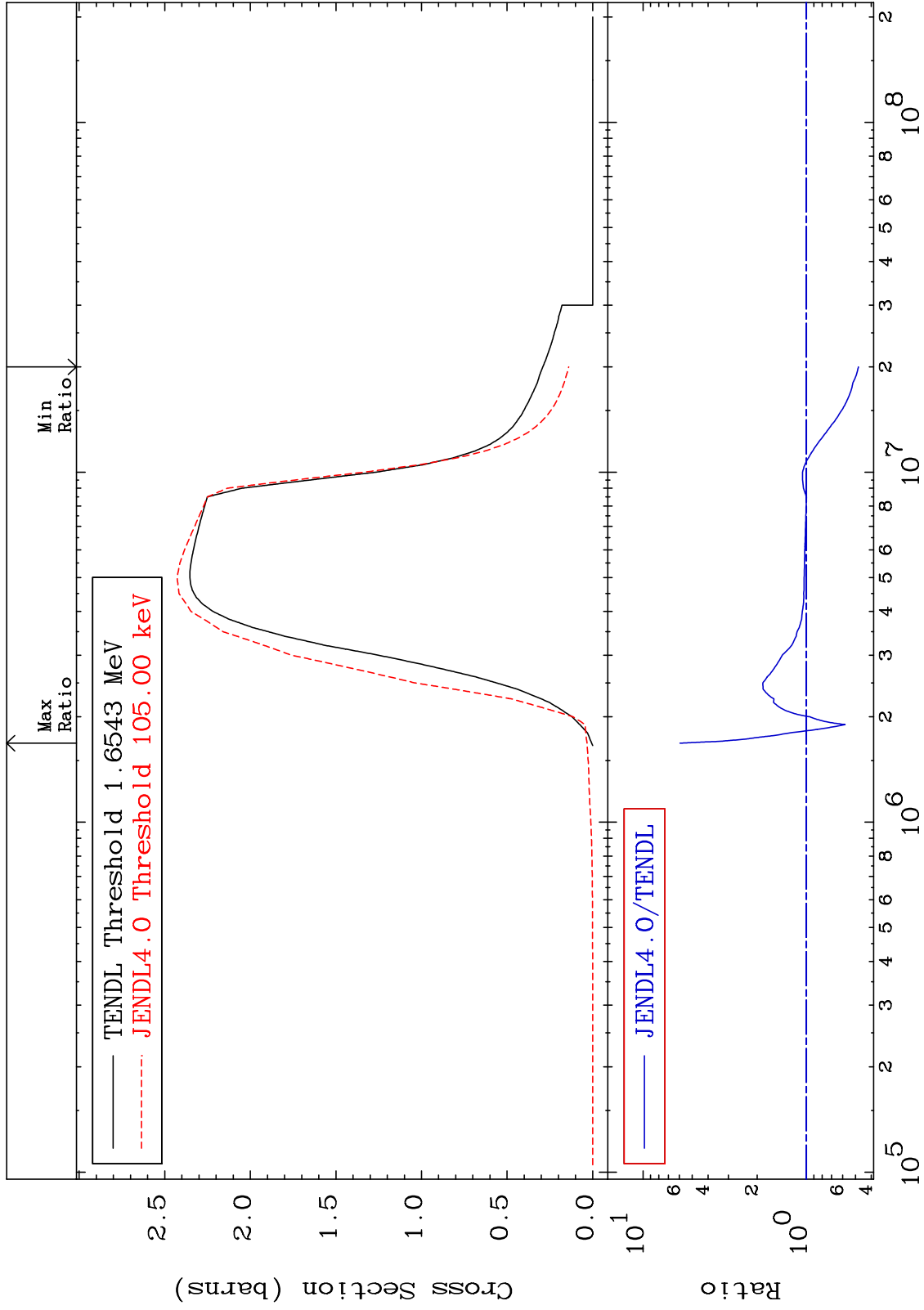
64-Gd-156
-80.50 To 13.11 %



MAT 6437

(n, n') Continuum
Cross Section

64-Gd-156
-52.01 To 493.7 %



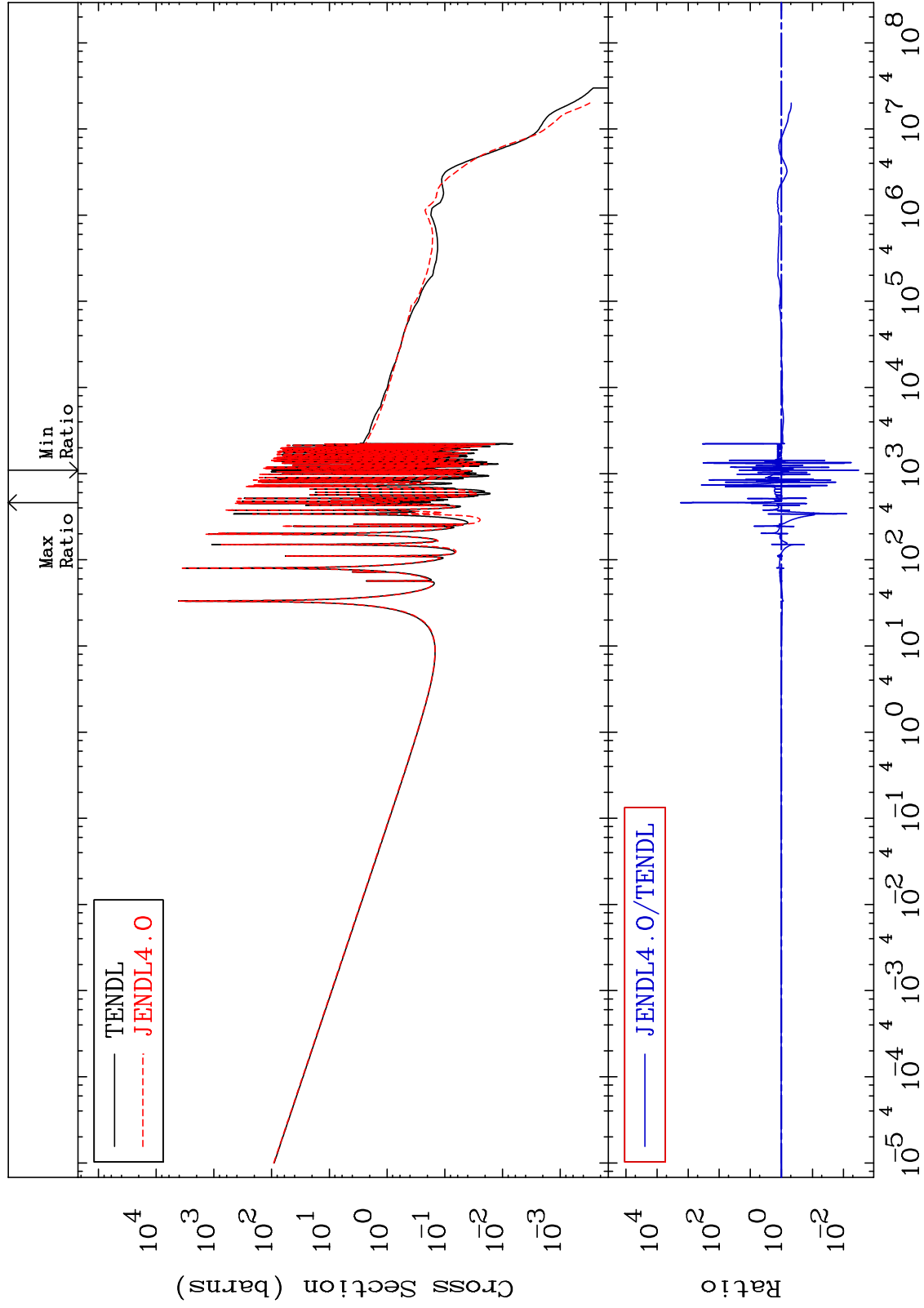
39

64-Gd-156

MAT 6437

(n, γ)
Cross Section

64-Gd-156
-99.67 To 9999. %



40

Incident Energy (eV)

64-Gd-156

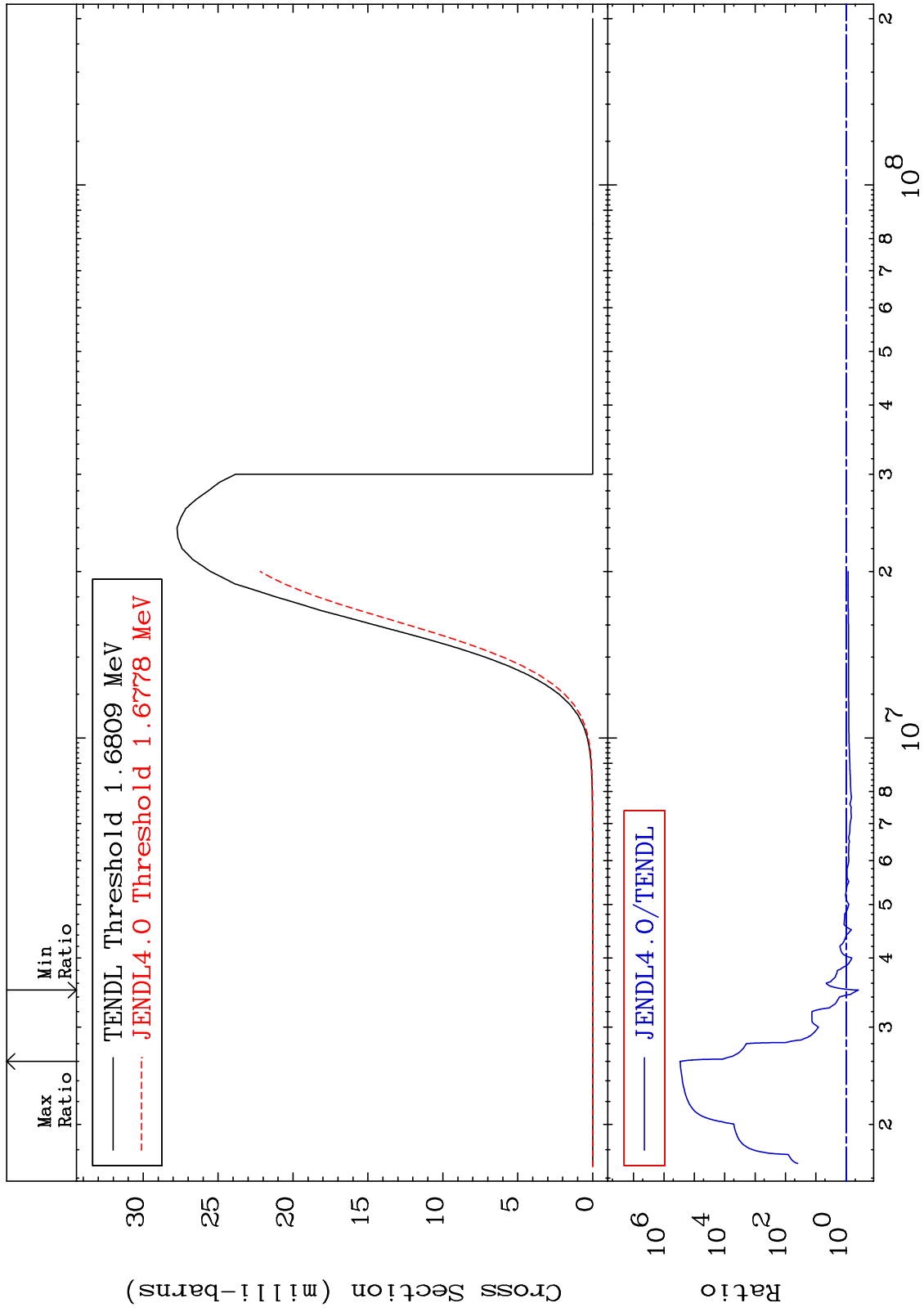
MAT 6437

(n,p)

64-Gd-156

Cross Section

-60.23 To 9999. %



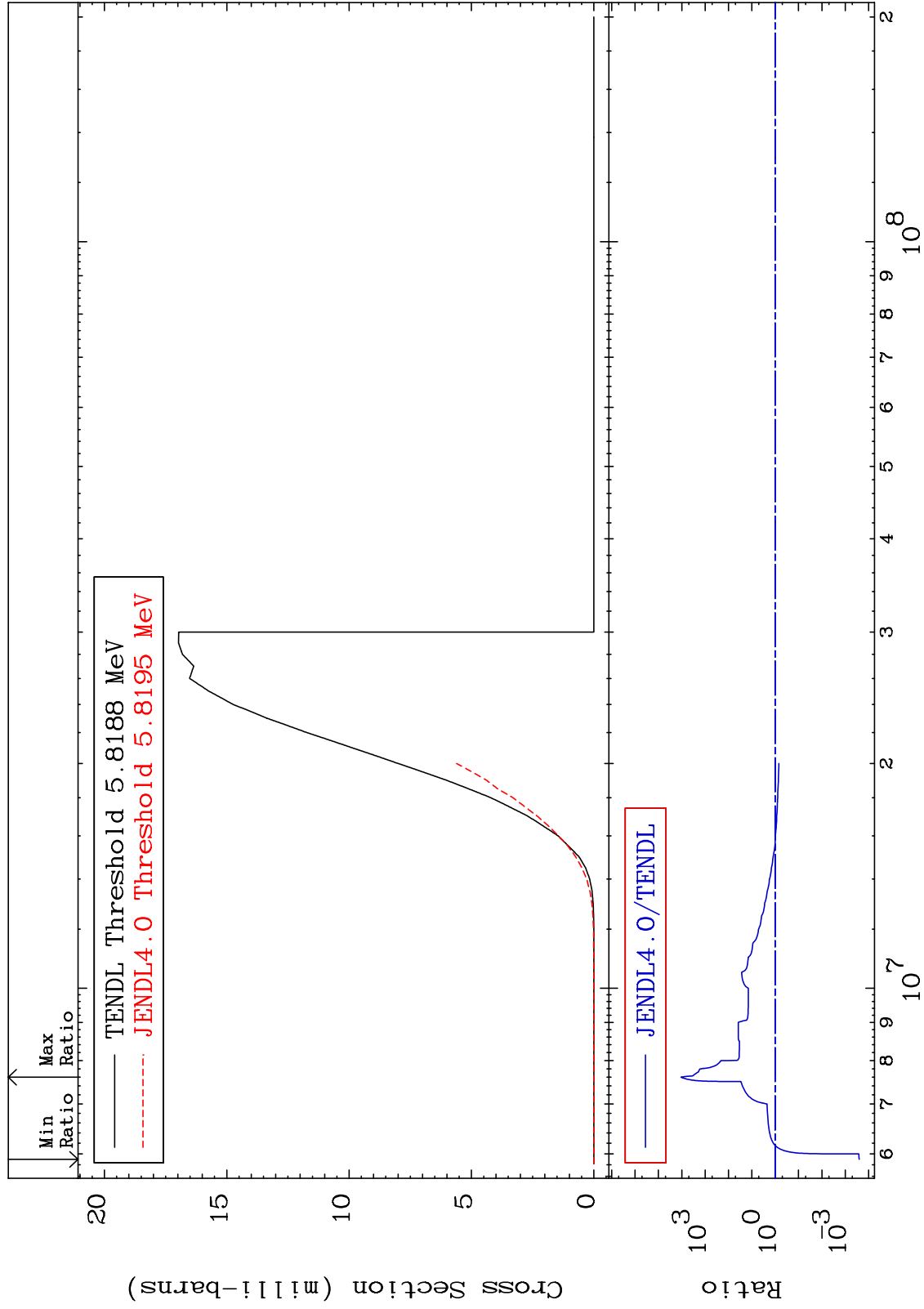
MAT 6437

(n, d)

64-Gd-156

Cross Section

-99.97 To 9999. %



42

Incident Energy (eV)

64-Gd-156

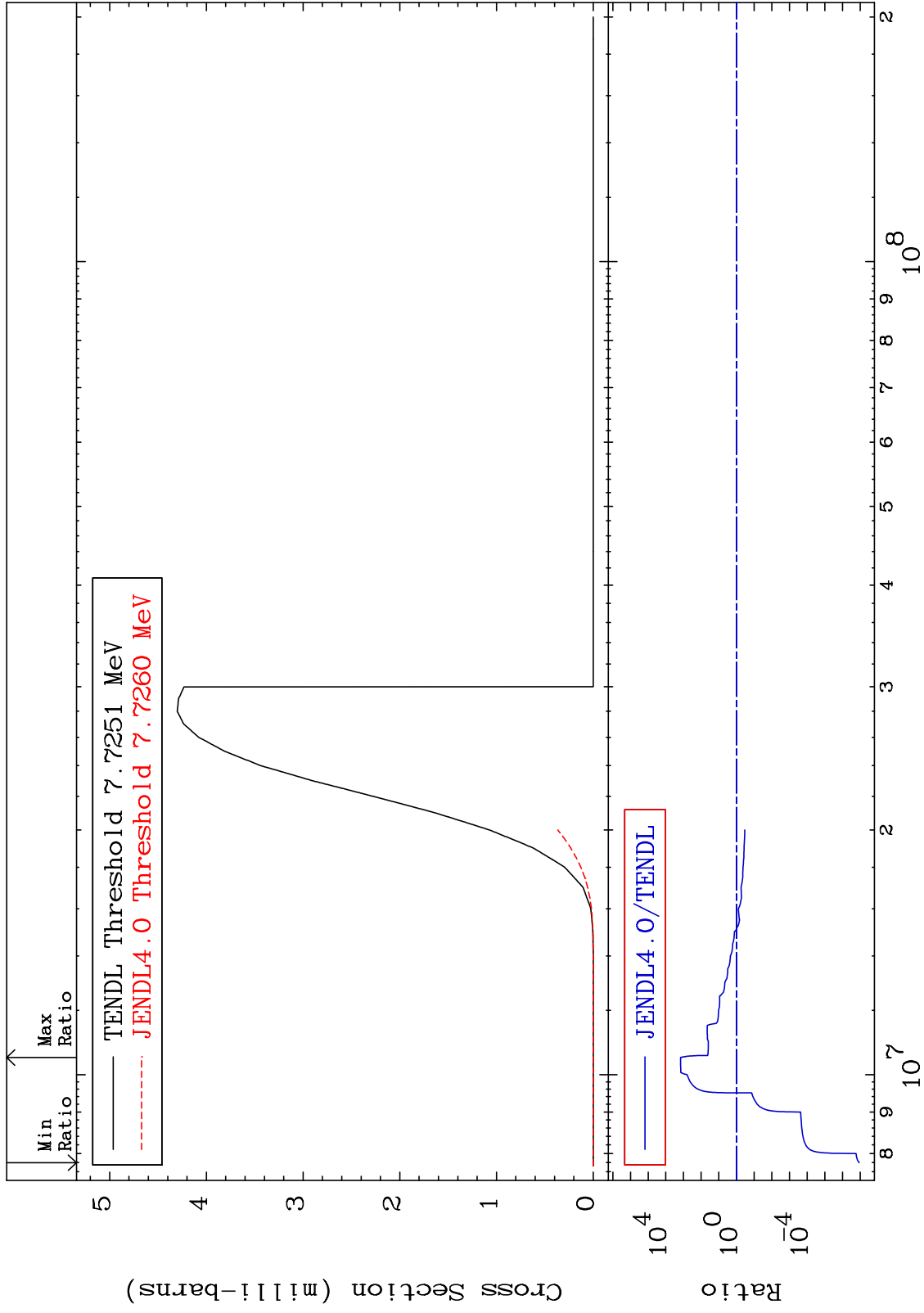
MAT 6437

(n, t)

64-Gd-156

Cross Section

-100.0 To 9999. %



43

Incident Energy (eV)

64-Gd-156

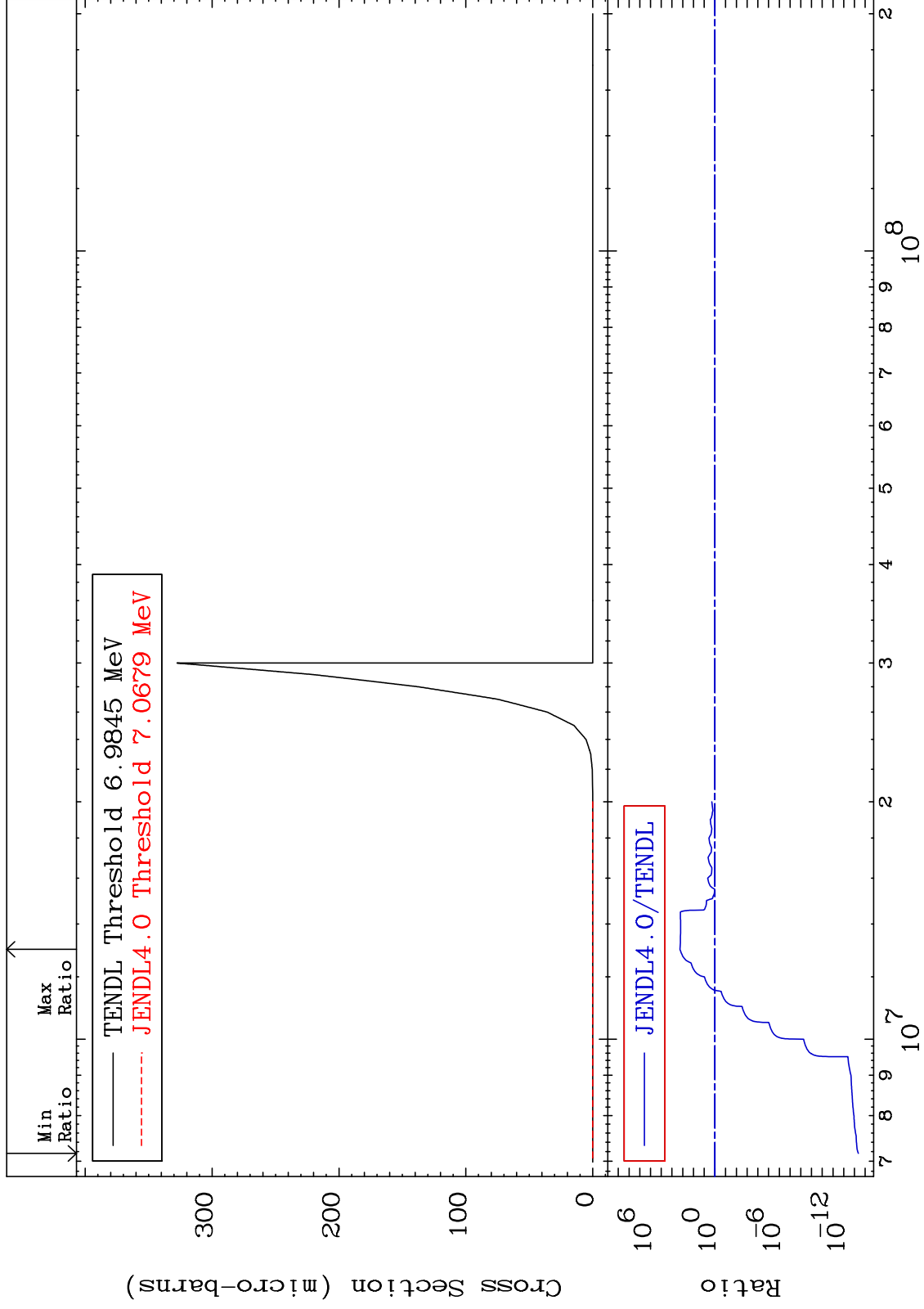
MAT 6437

(n, He-3)

64-Gd-156

Cross Section

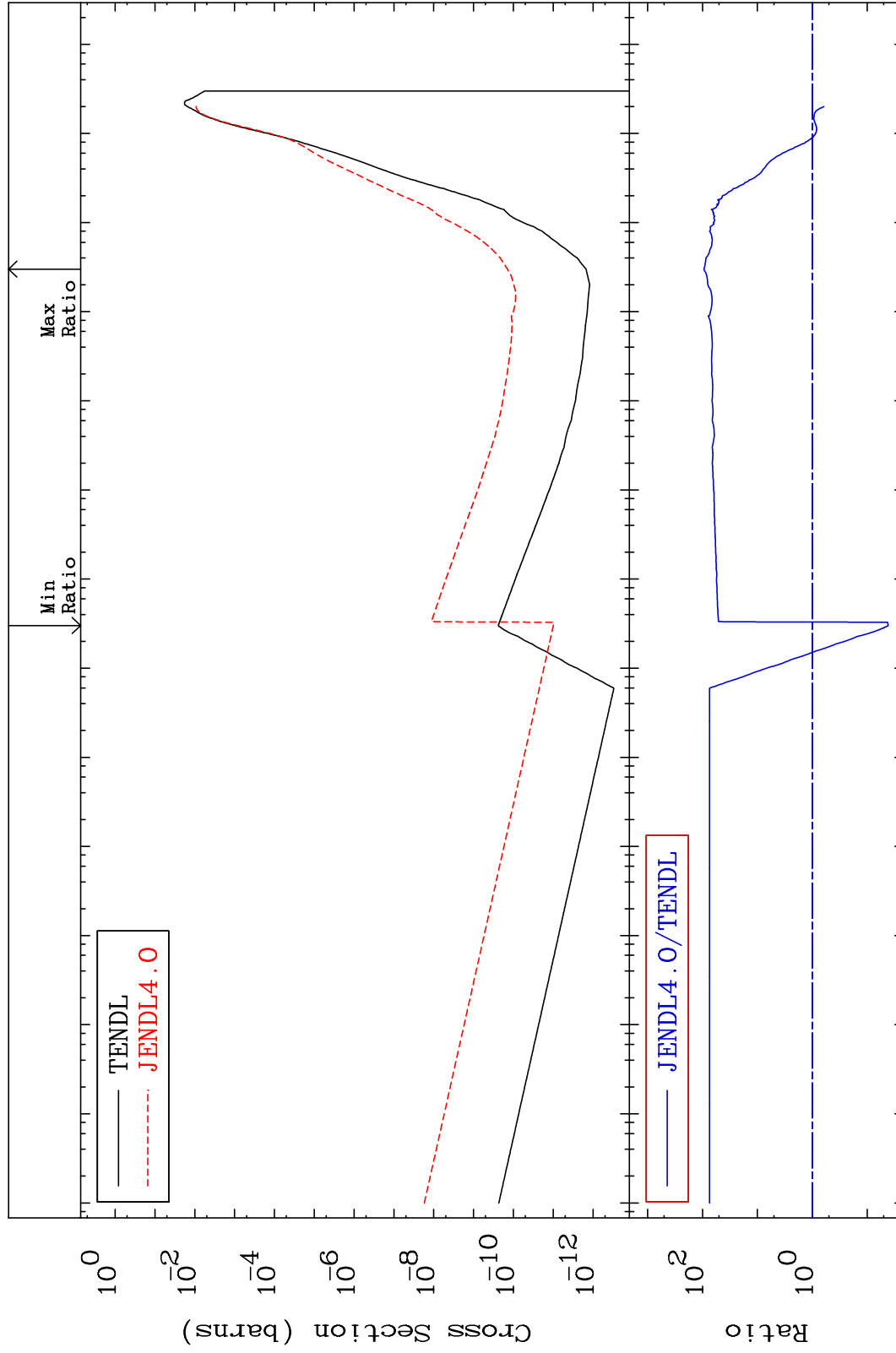
-100.0 To 9999. %



MAT 6437

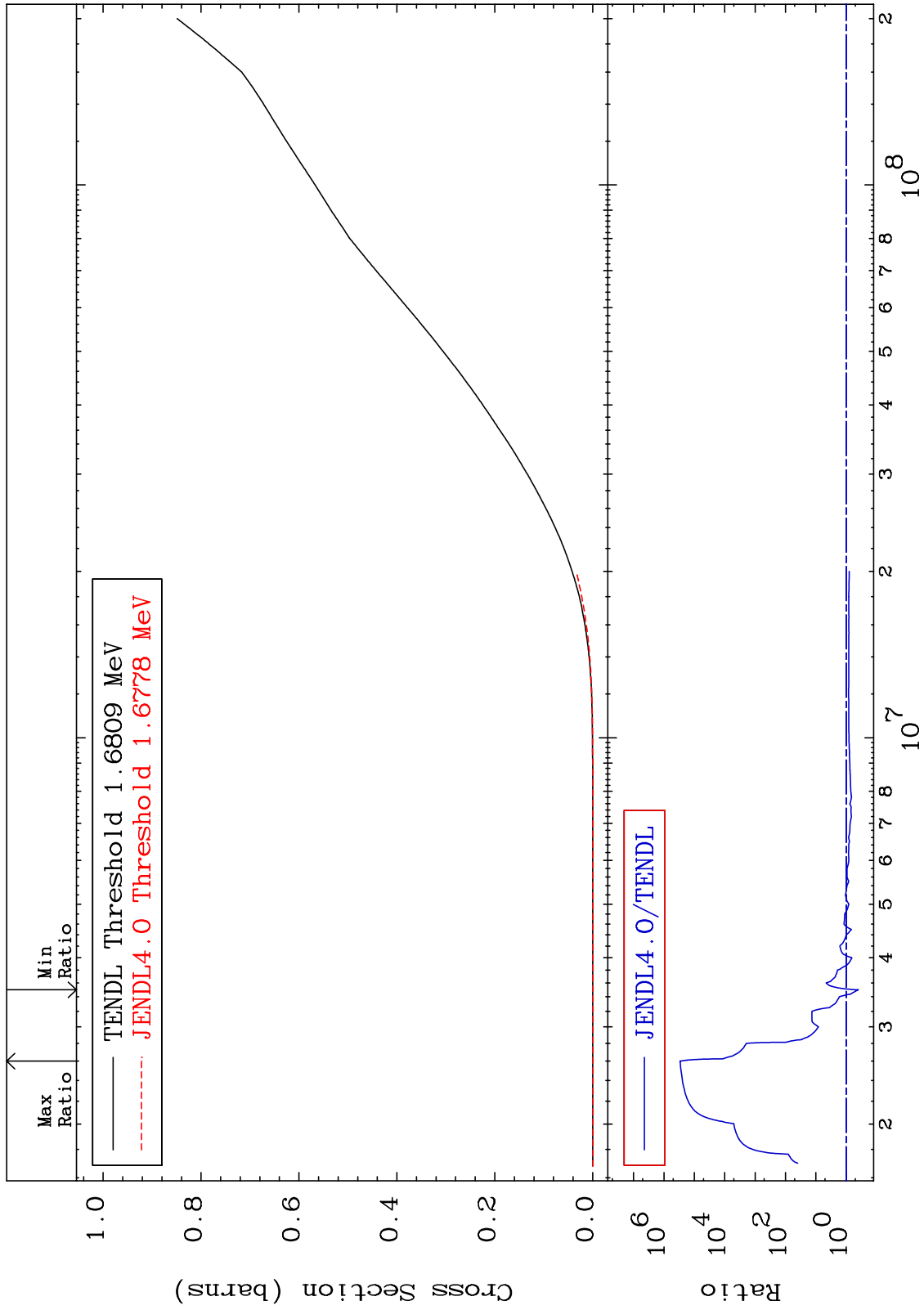
(n, α)
Cross Section

64-Gd-156
-95.85 To 9288. %



Incident Energy (eV)

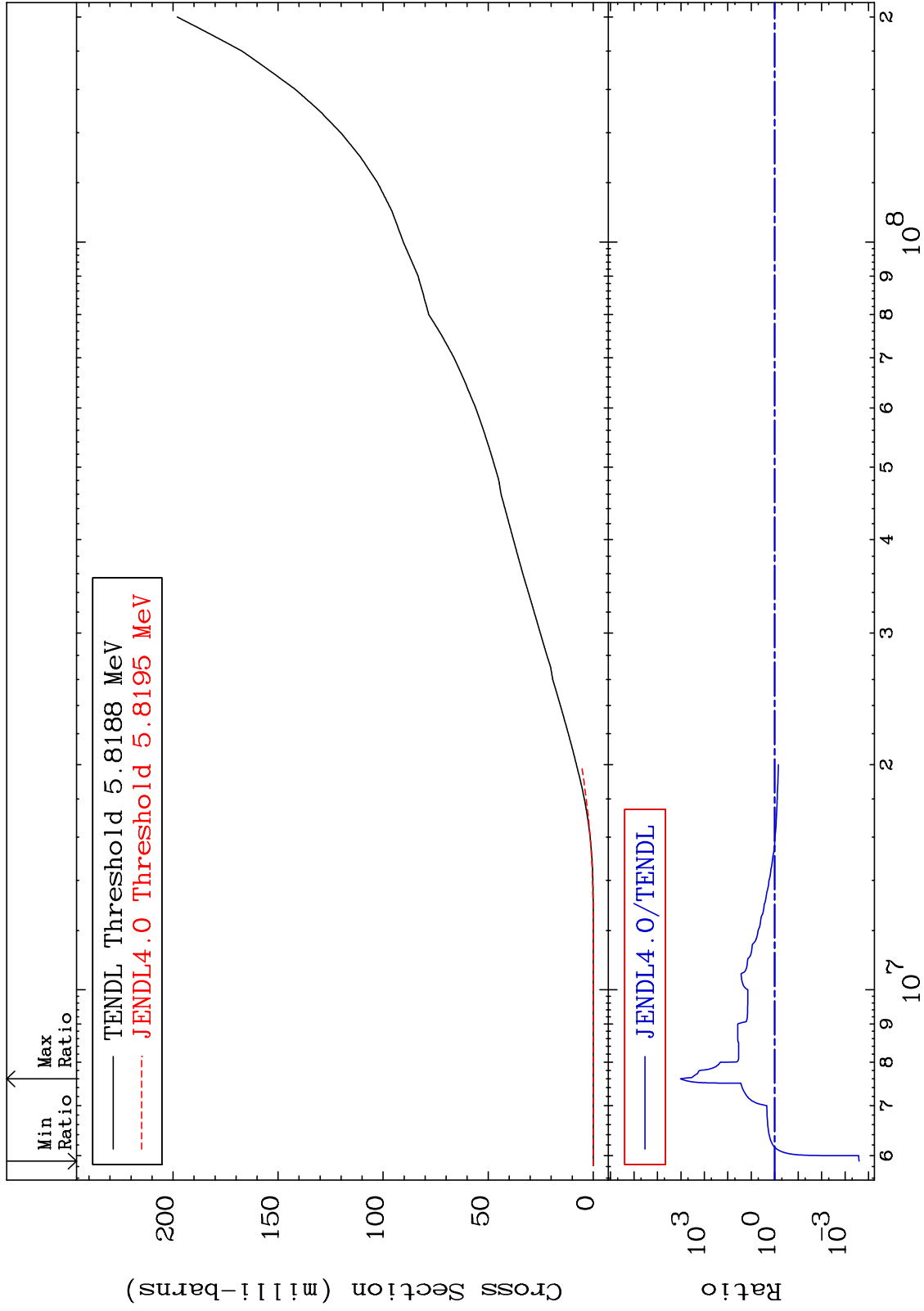
64-Gd-156



MAT 6437

Deuterium Production
Cross Section

64-Gd-156
-99.97 To 9999. %



47

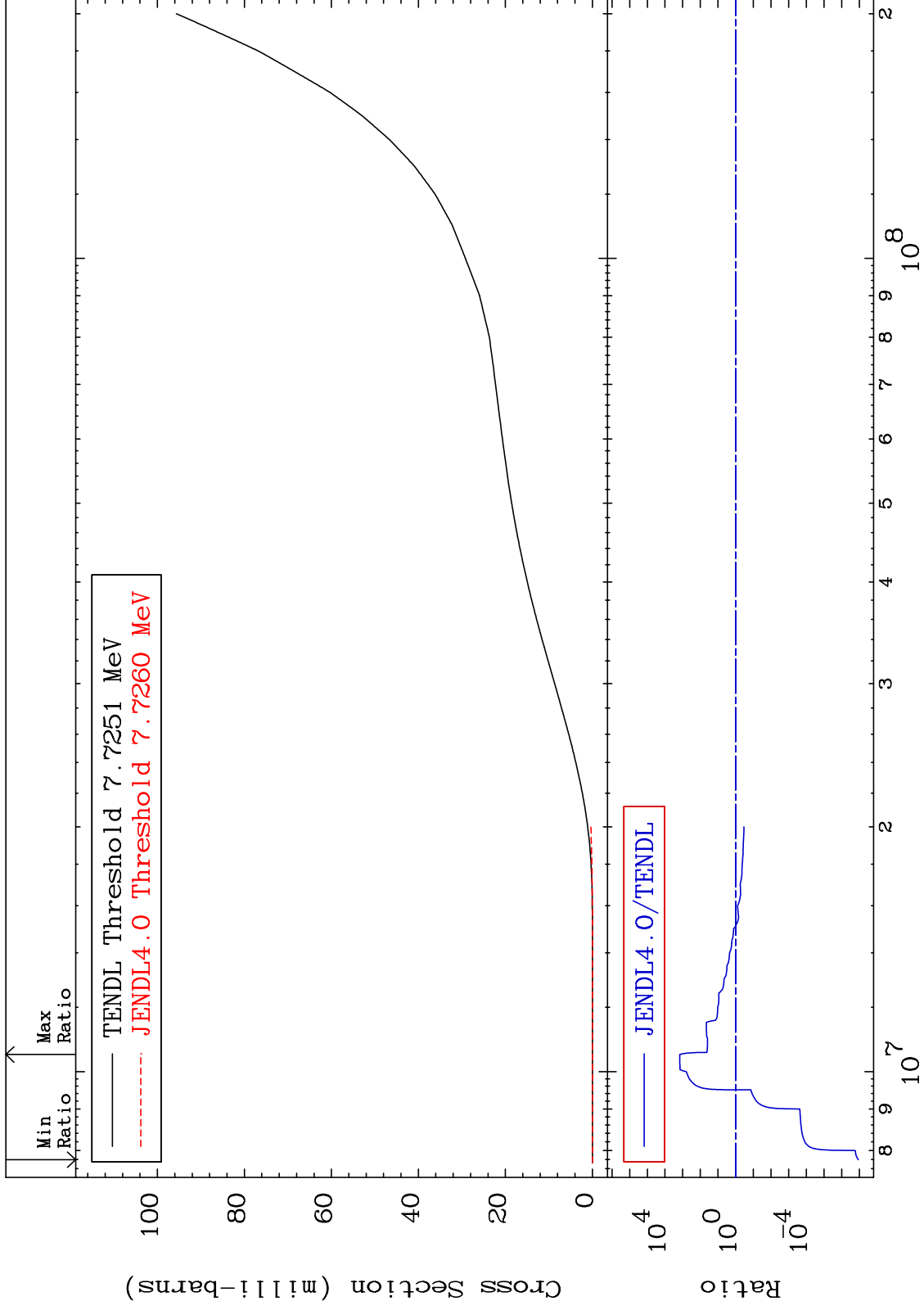
Incident Energy (eV)

64-Gd-156

MAT 6437

Tritium Production
Cross Section

64-Gd-156
-100.0 To 9999. %



48

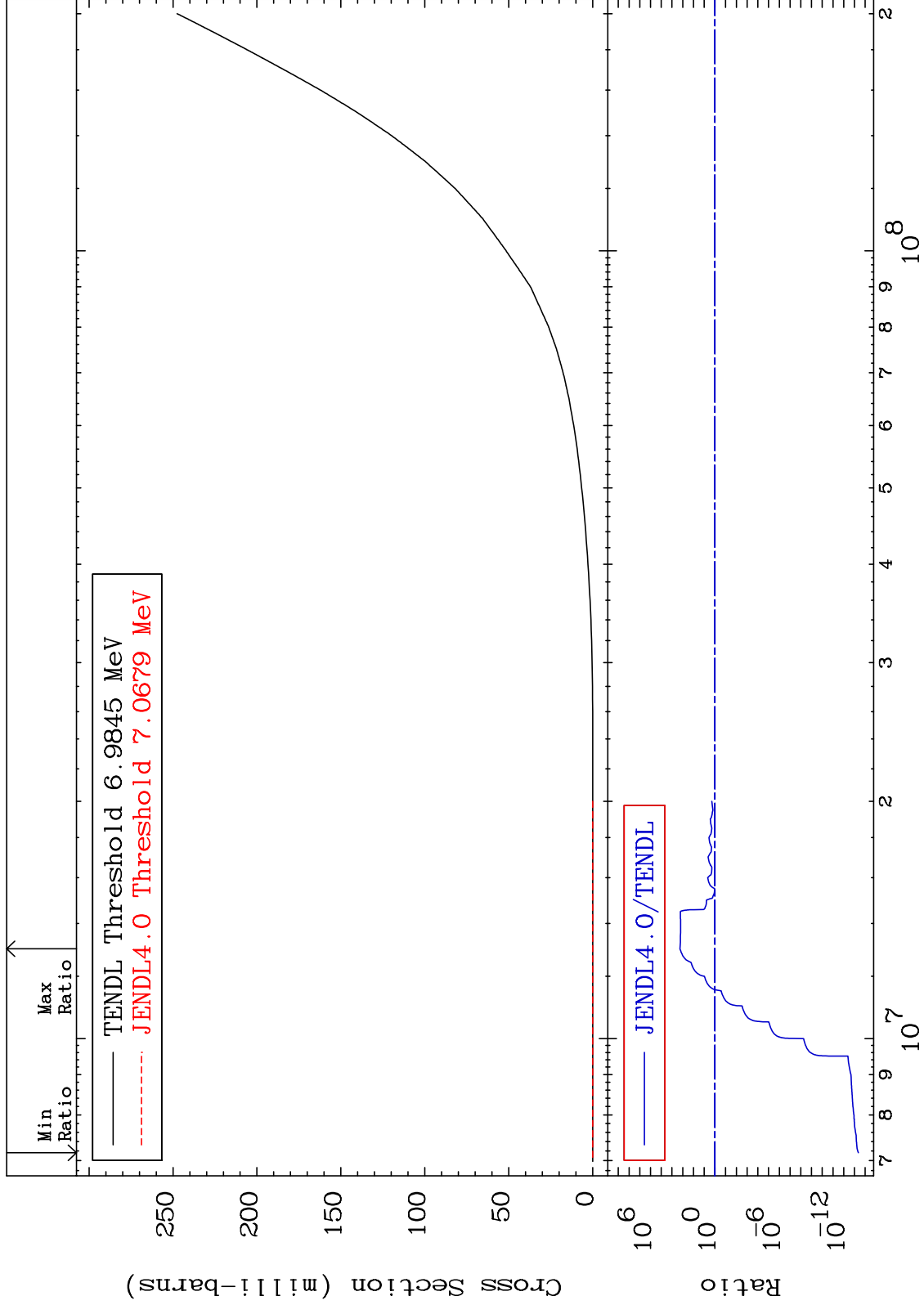
Incident Energy (eV)

64-Gd-156

MAT 6437

He-3 Production
Cross Section

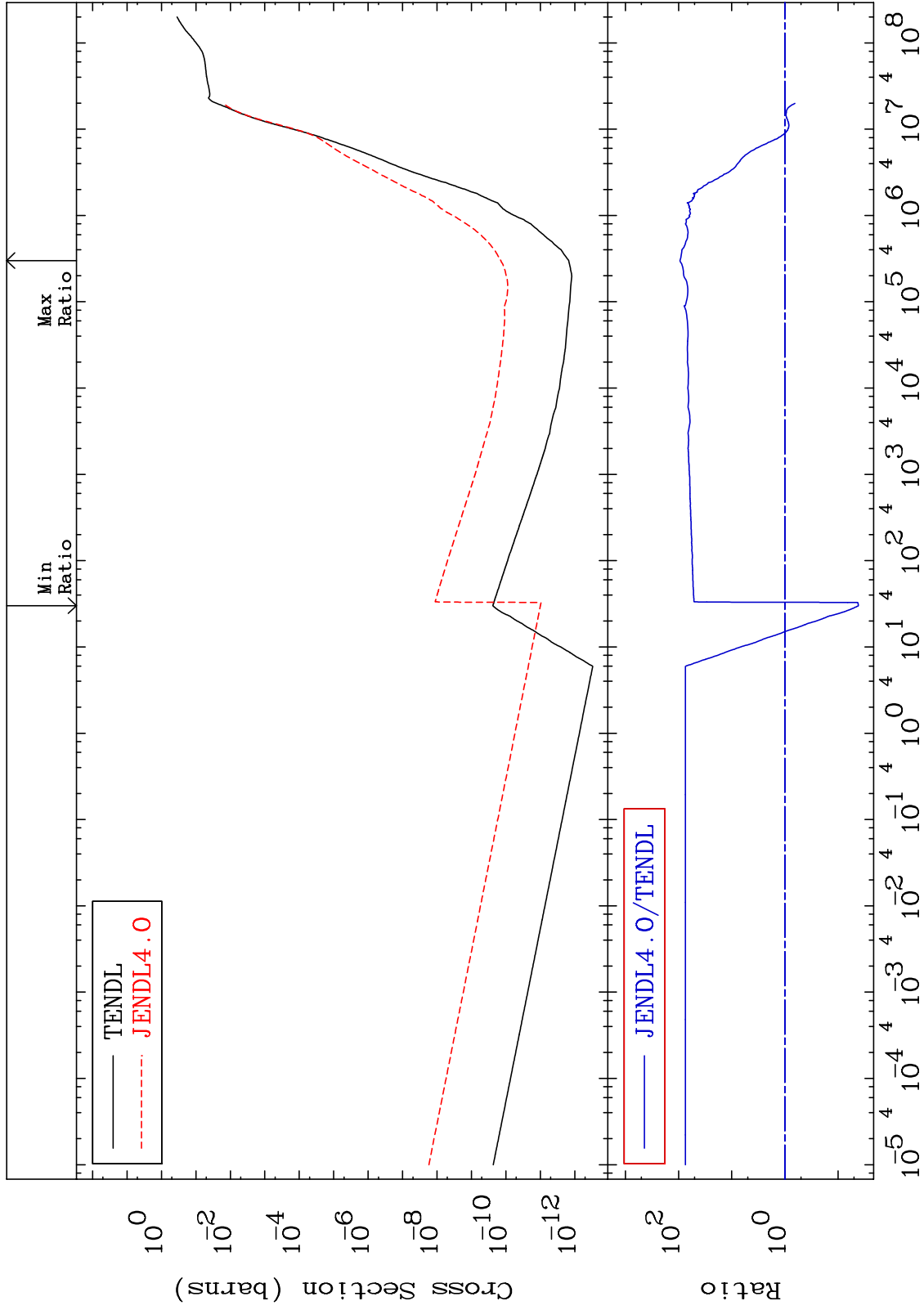
64-Gd-156
-100.0 To 9999. %



MAT 6437

He-4 Production
Cross Section

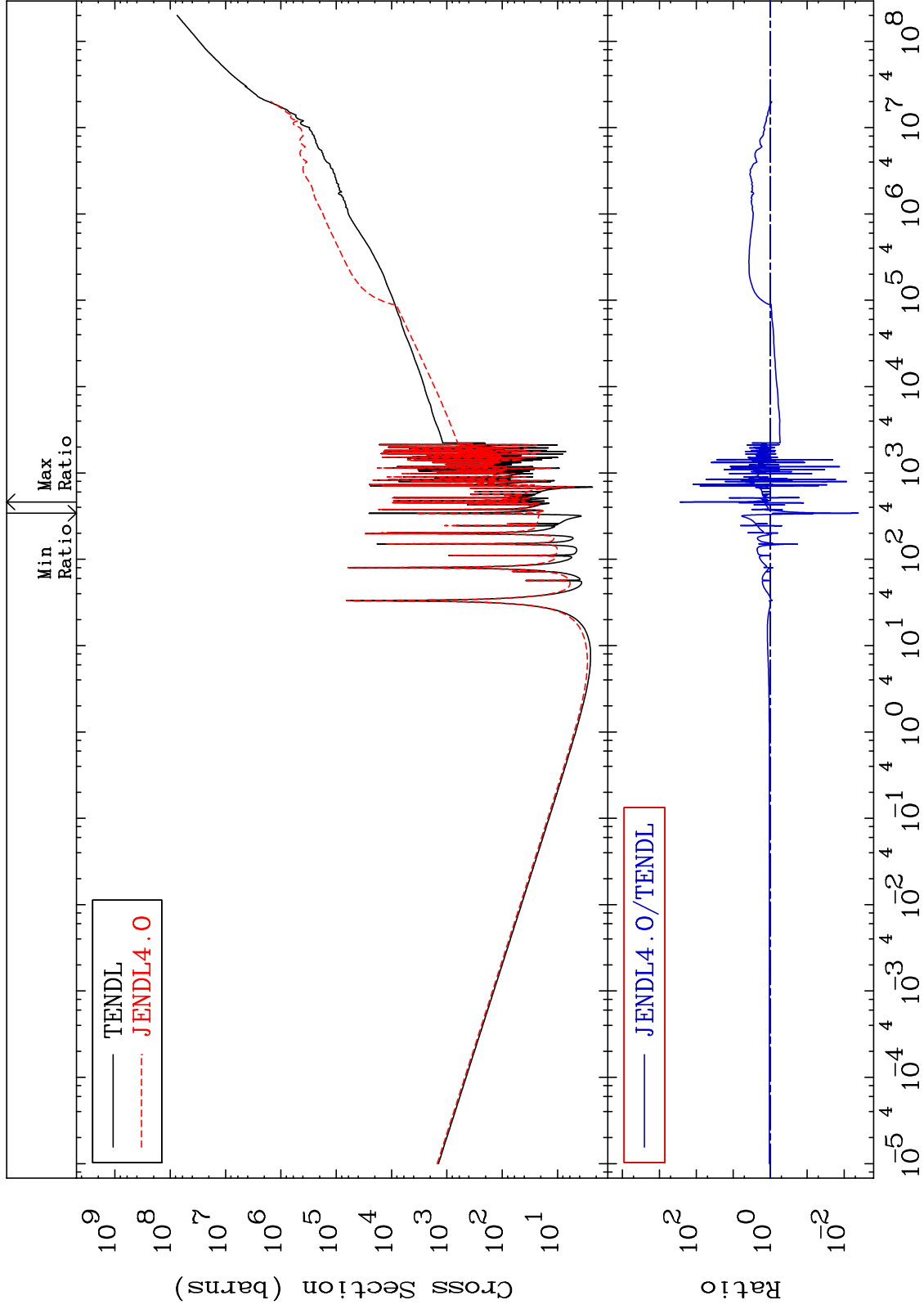
64-Gd-156
-95.85 To 9288. %



MAT 6437

Kerma total (eV-barns)
Cross Section

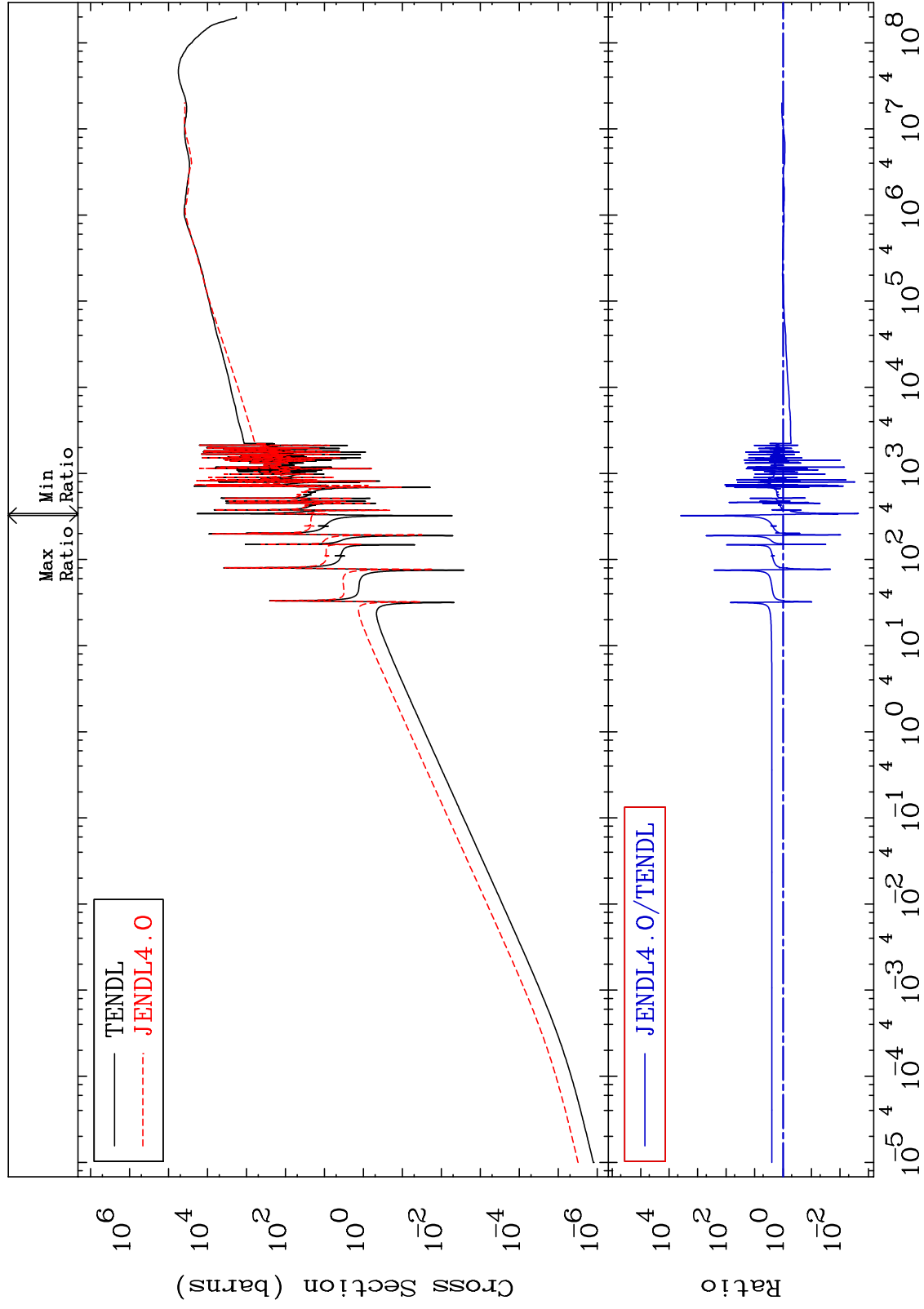
64-Gd-156
-99.59 To 9999. %



MAT 6437

Kerma elastic
Cross Section

64-Gd-156
-99.78 To 9999. %



52

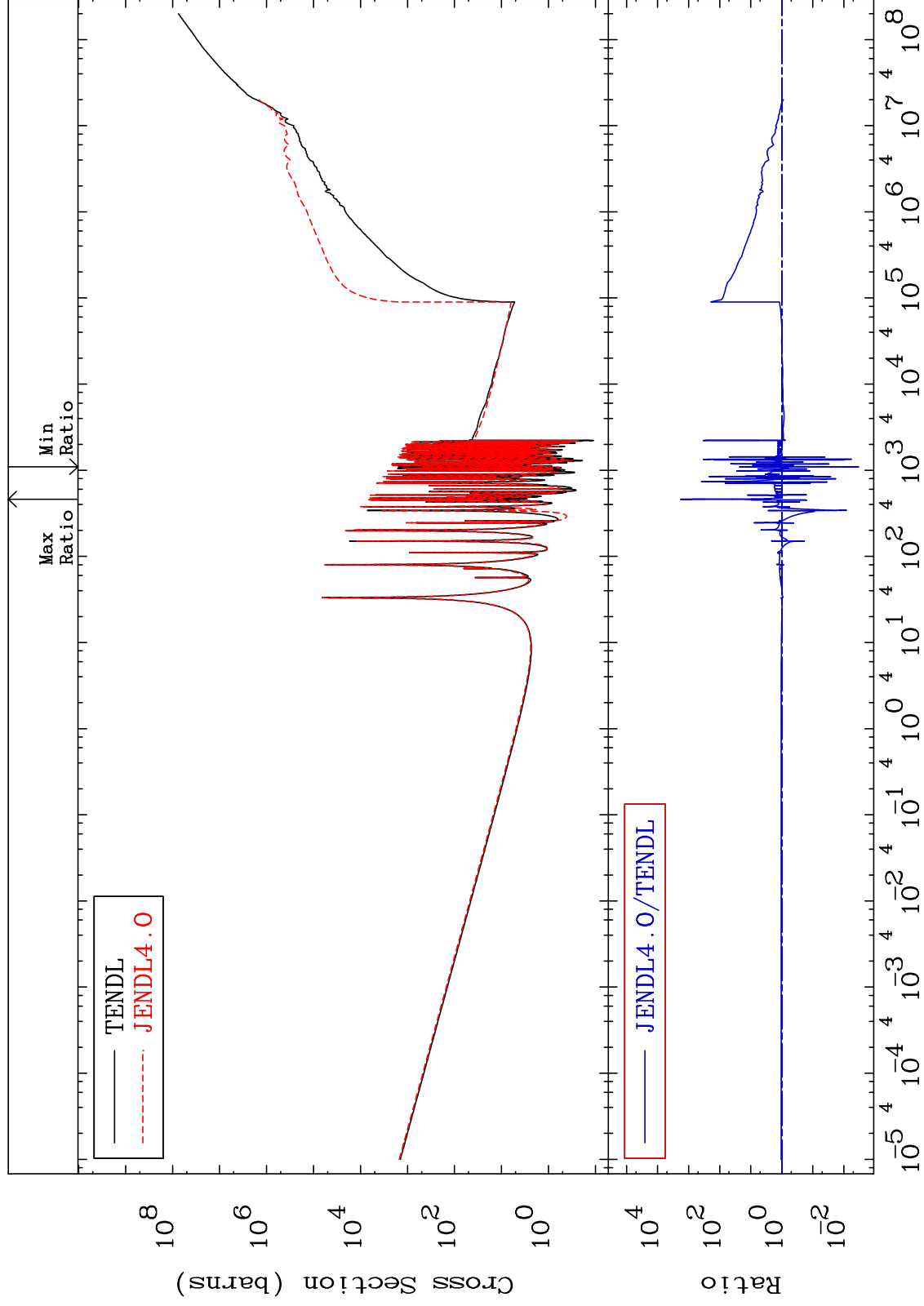
Incident Energy (eV)

64-Gd-156

MAT 6437

Kerma non-elastic (all but mt2)
Cross Section

64-Gd-156
-99.66 To 9999. %



53

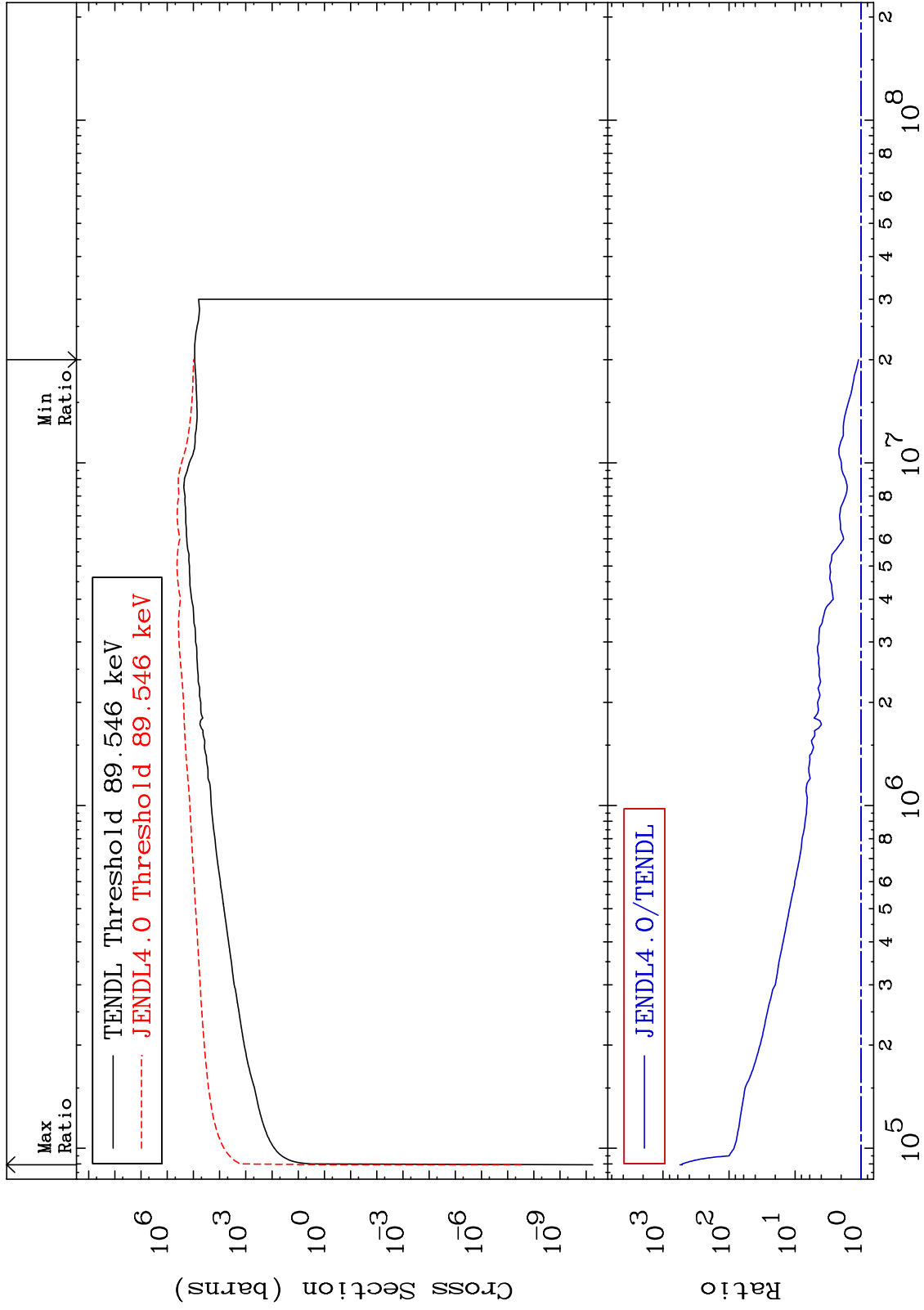
Incident Energy (eV)

64-Gd-156

MAT 6437

Kerma inelastic (mt51-91)
Cross Section

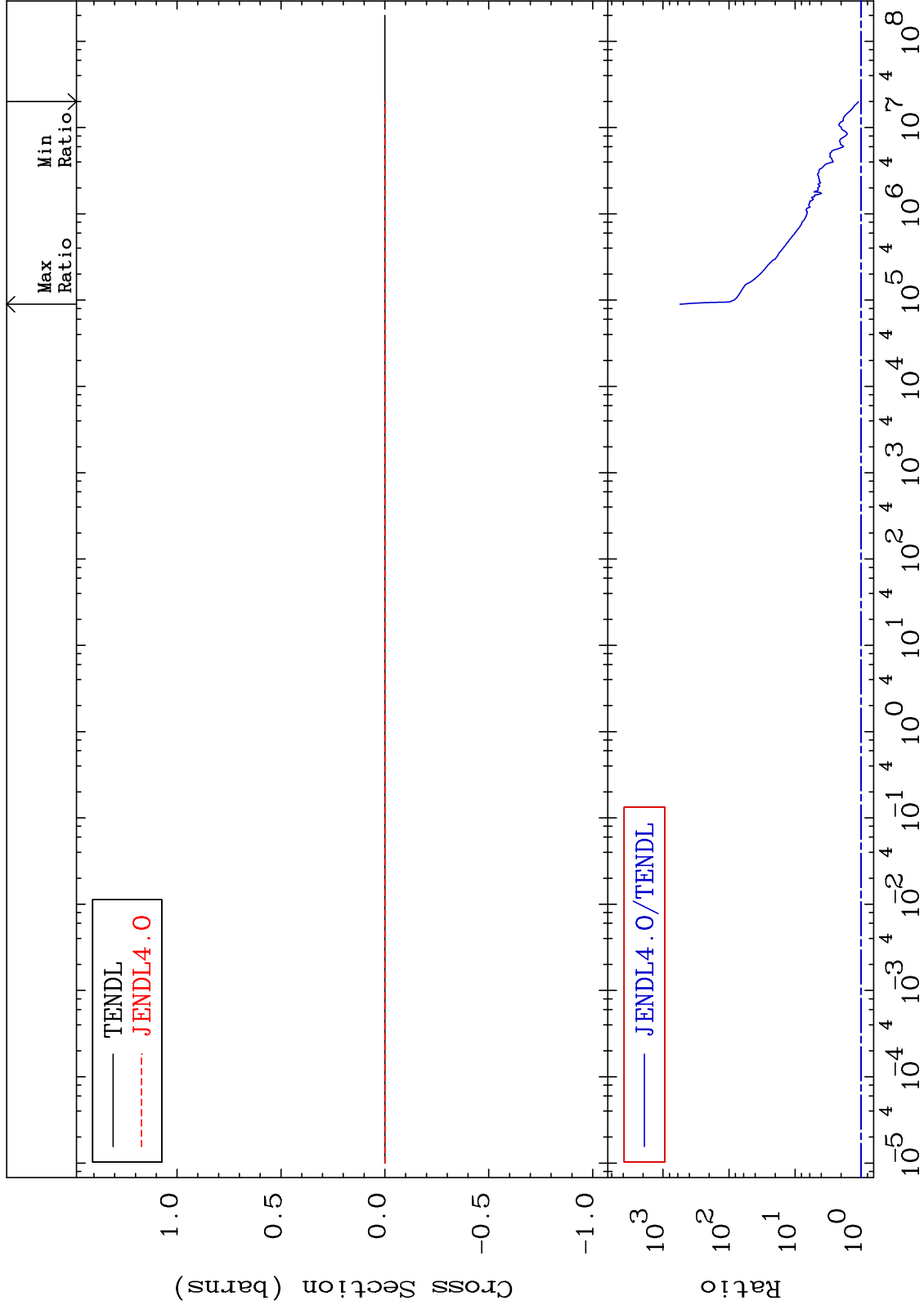
64-Gd-156
9.607 To 9999. %



MAT 6437

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

64-Gd-156
9.607 To 9999. %



55

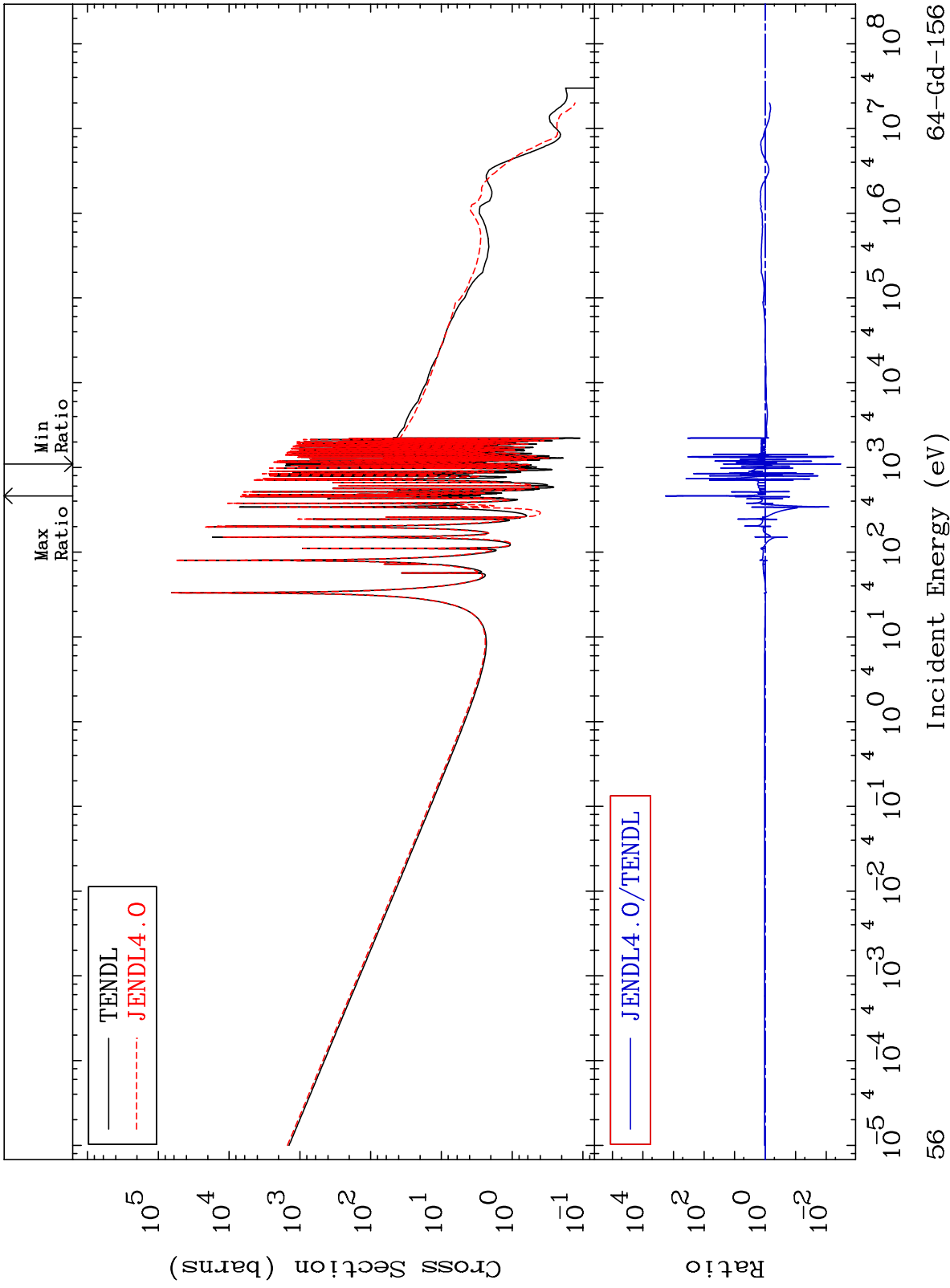
Incident Energy (eV)

64-Gd-156

MAT 6437

Kerma capture (mt102)
Cross Section

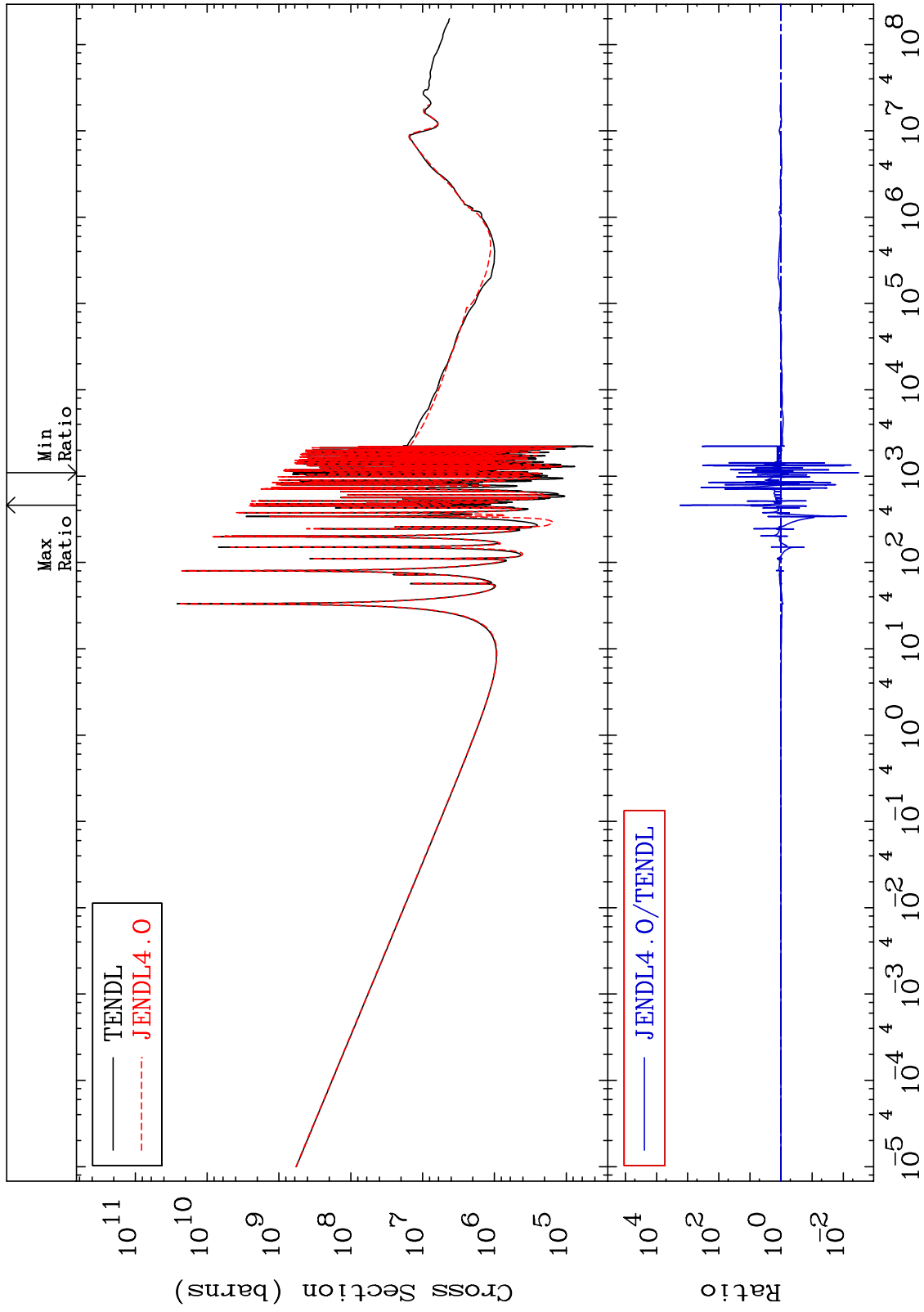
64-Gd-156
-99.66 To 9999. %



MAT 6437

Total photon (eV-barns)
Cross Section

64-Gd-156
-99.67 To 9999. %



57

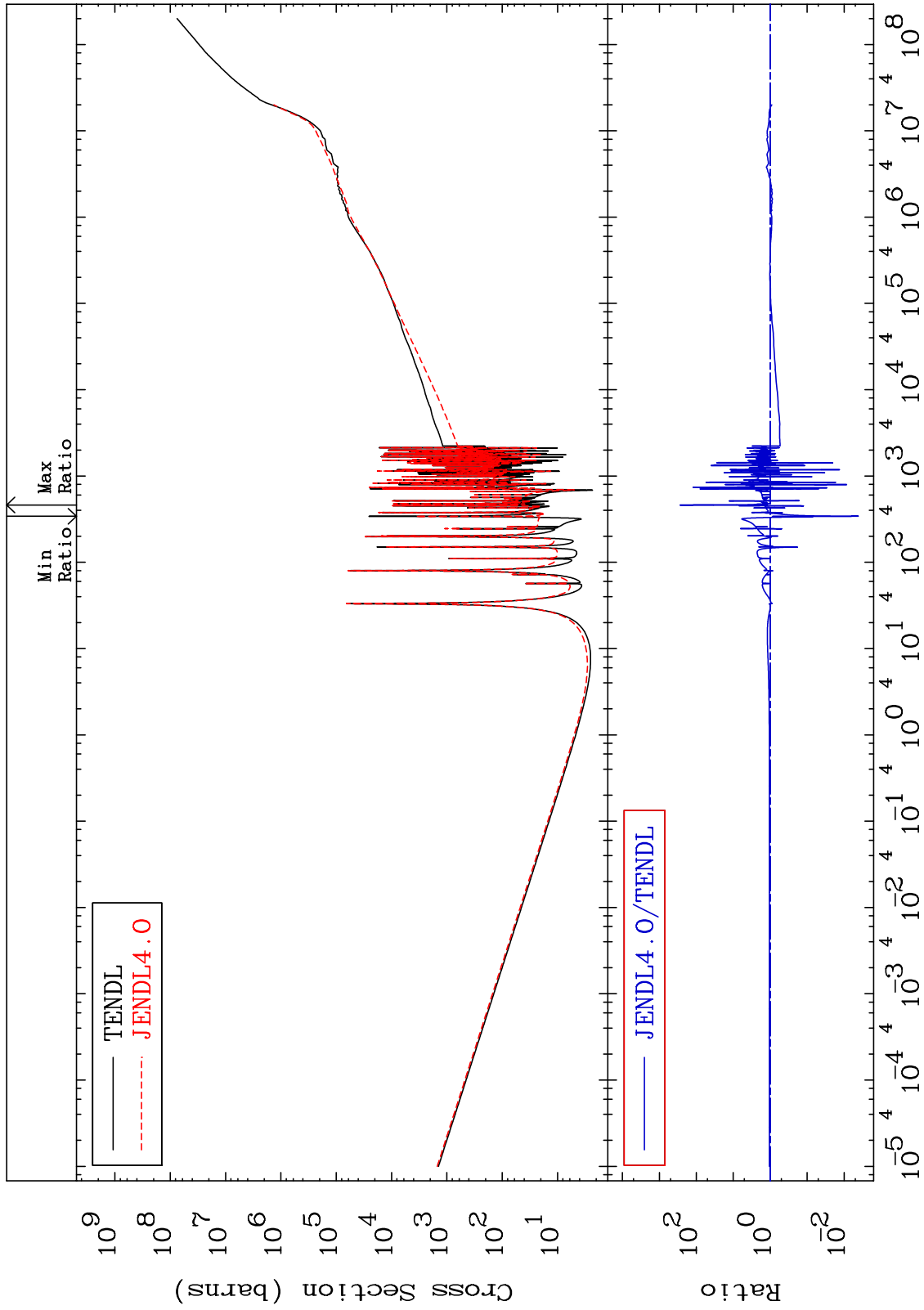
Incident Energy (eV)

64-Gd-156

MAT 6437

Total kinematic kerma (high limit)
Cross Section

64-Gd-156
-99.59 To 9999. %



58

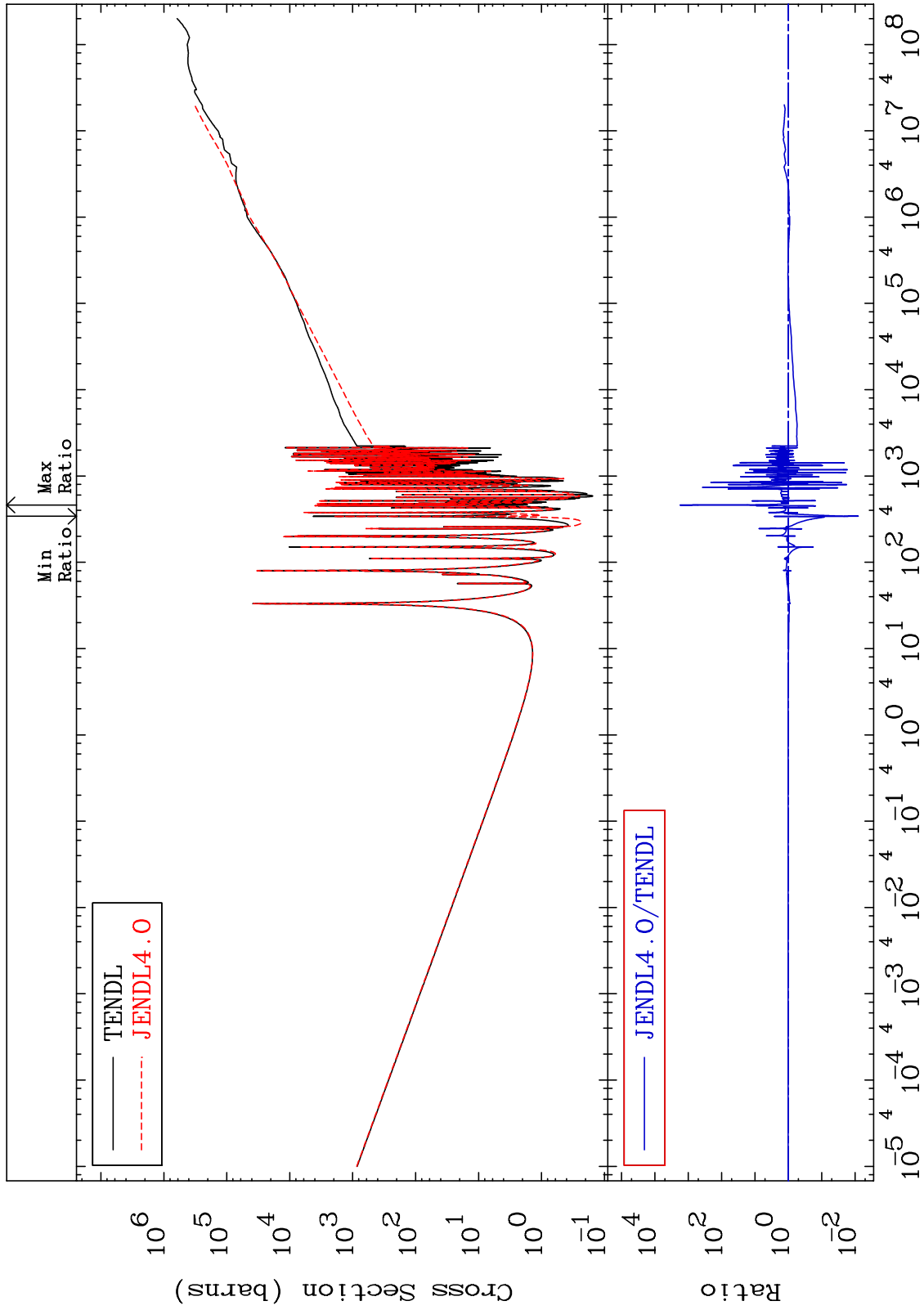
Incident Energy (eV)

64-Gd-156

MAT 6437

Dpa total (eV-barns)
Cross Section

64-Gd-156
-99.21 To 9999. %



59

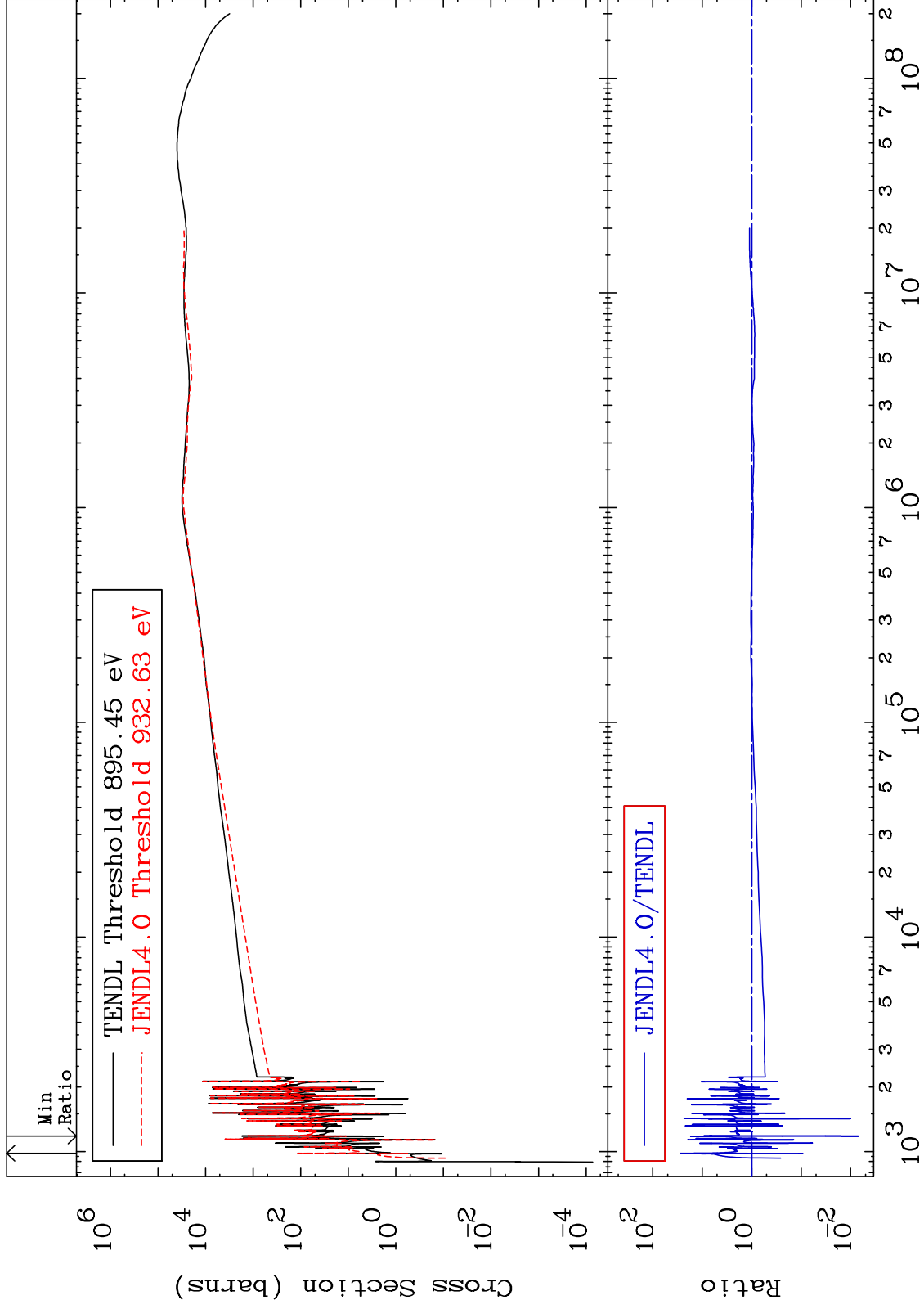
Incident Energy (eV)

64-Gd-156

MAT 6437

Dpa elastic (mt2)
Cross Section

64-Gd-156
-99.30 To 2709. %



60

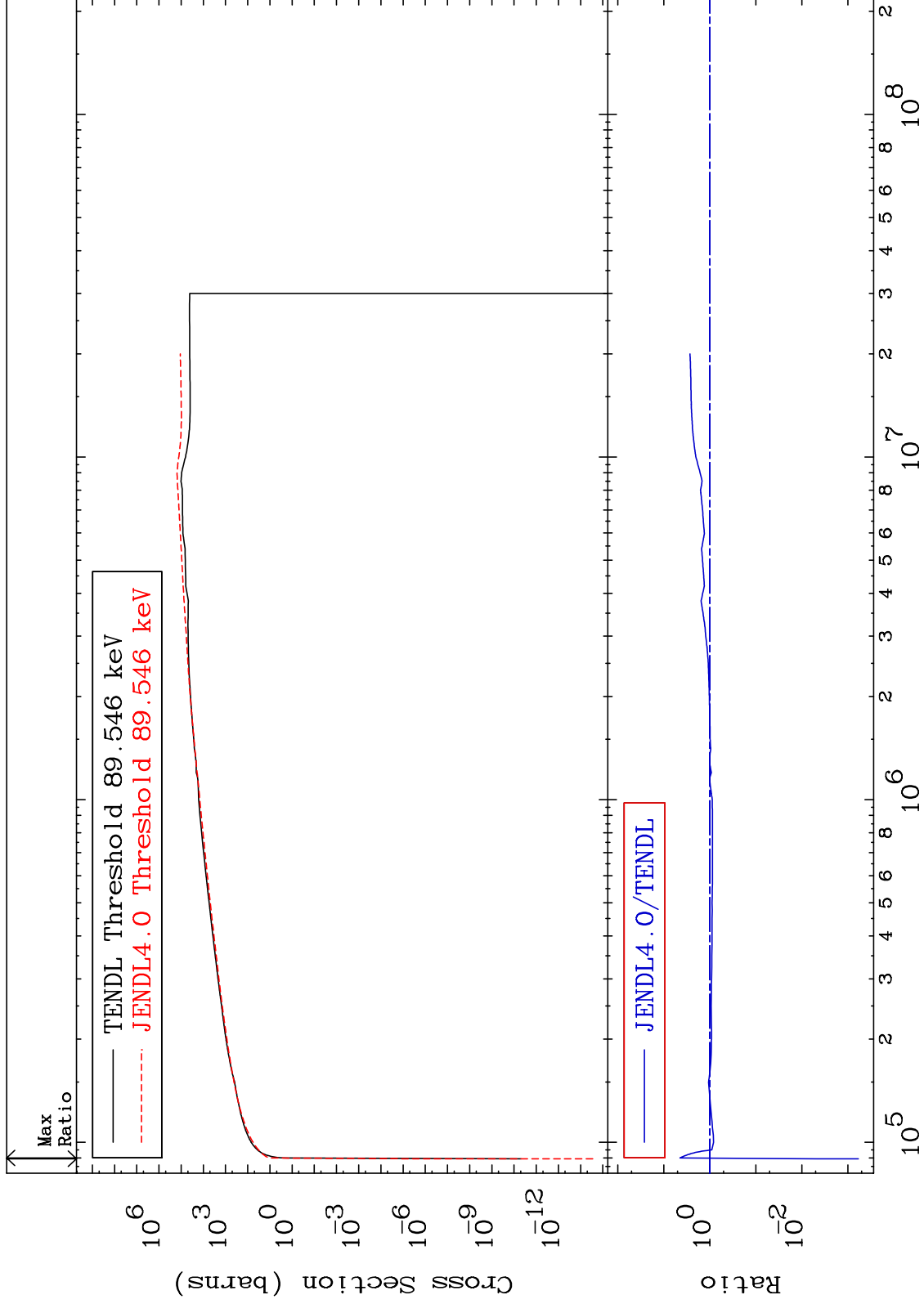
Incident Energy (eV)

64-Gd-156

MAT 6437

Dpa inelastic (mt51-91)
Cross Section

64-Gd-156
-99.94 To 342.5 %



61

Incident Energy (eV)

64-Gd-156

MAT 6437

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-156
-99.67 To 9999. %

