

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

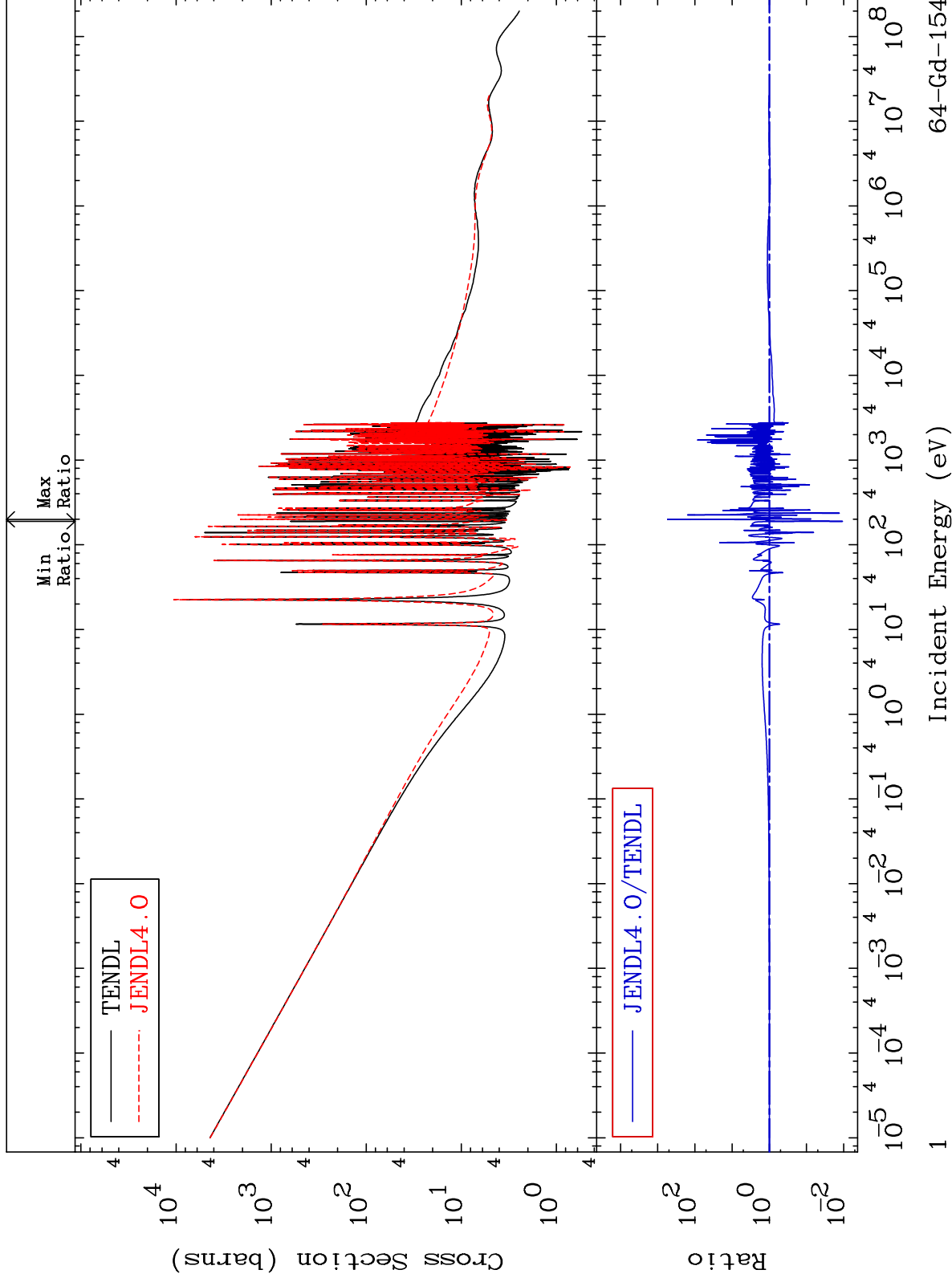
MAT 6431

Total

64-Gd-154

Cross Section

-98.94 To 9999. %



64-Gd-154

Incident Energy (eV)

1

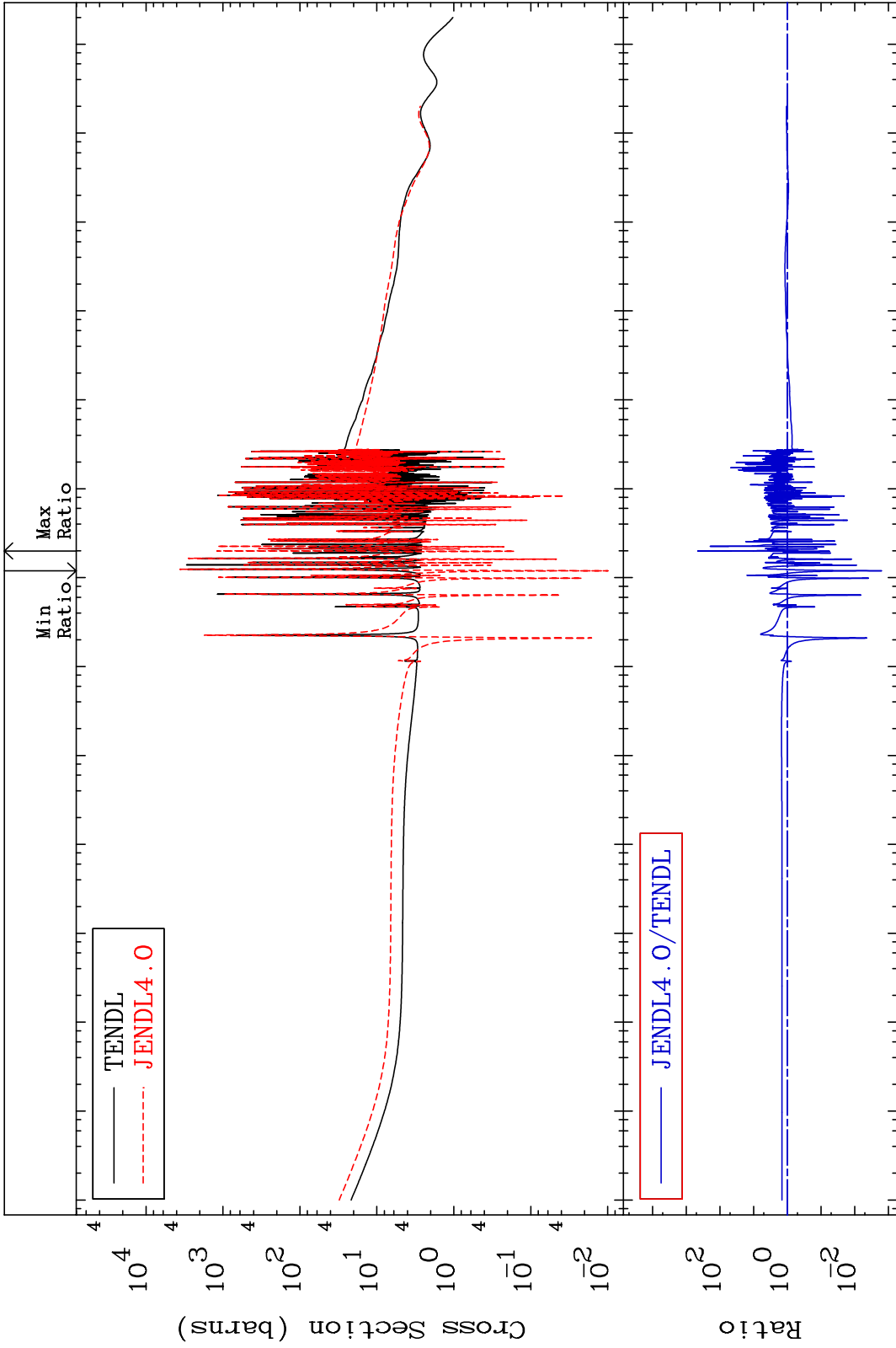
MAT 6431

Elastic

64-Gd-154

Cross Section

-99.84 To 9999. %



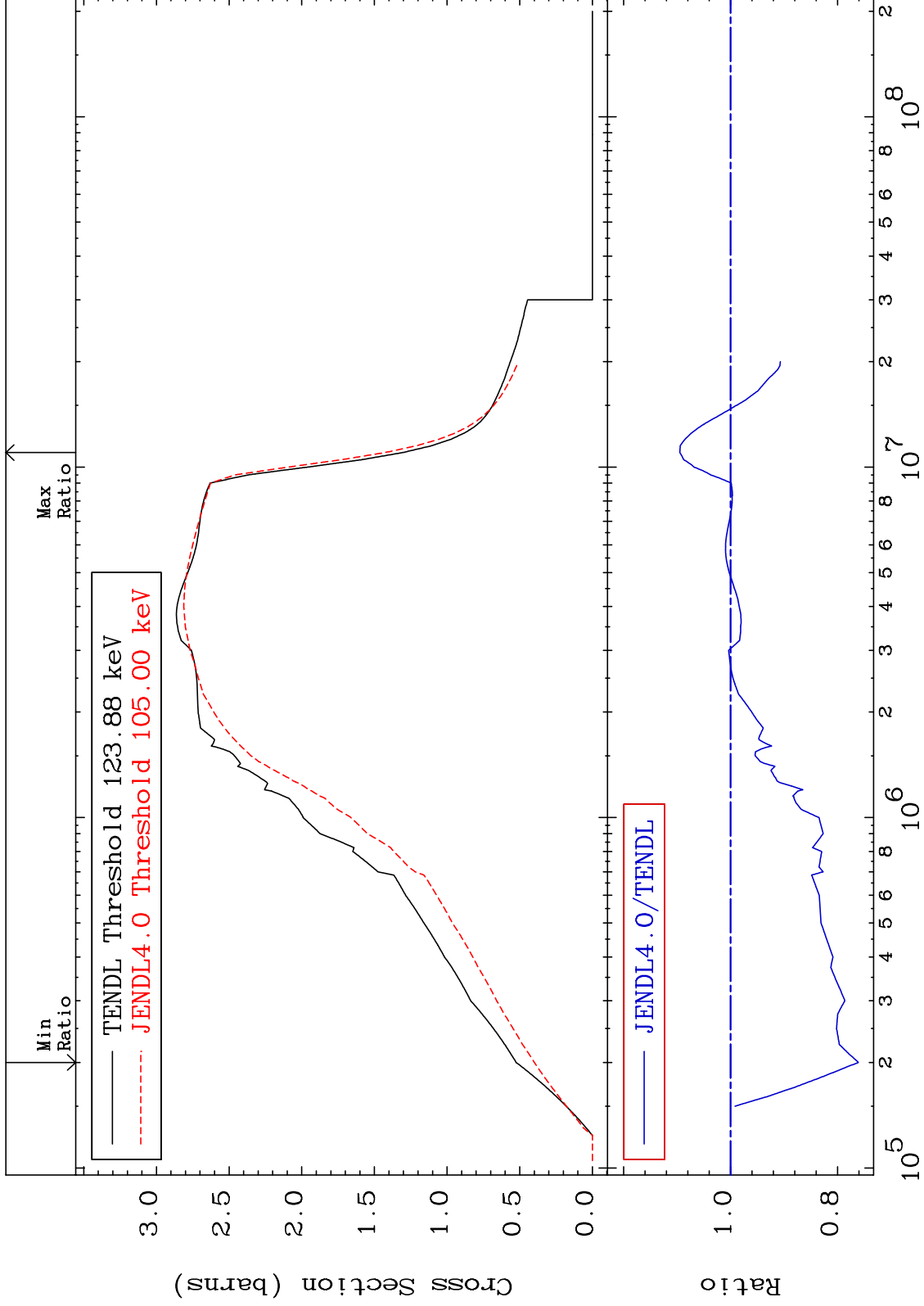
MAT 6431

Inelastic

64-Gd-154

Cross Section

-23.91 To 9.490 %



Incident Energy (eV)

64-Gd-154

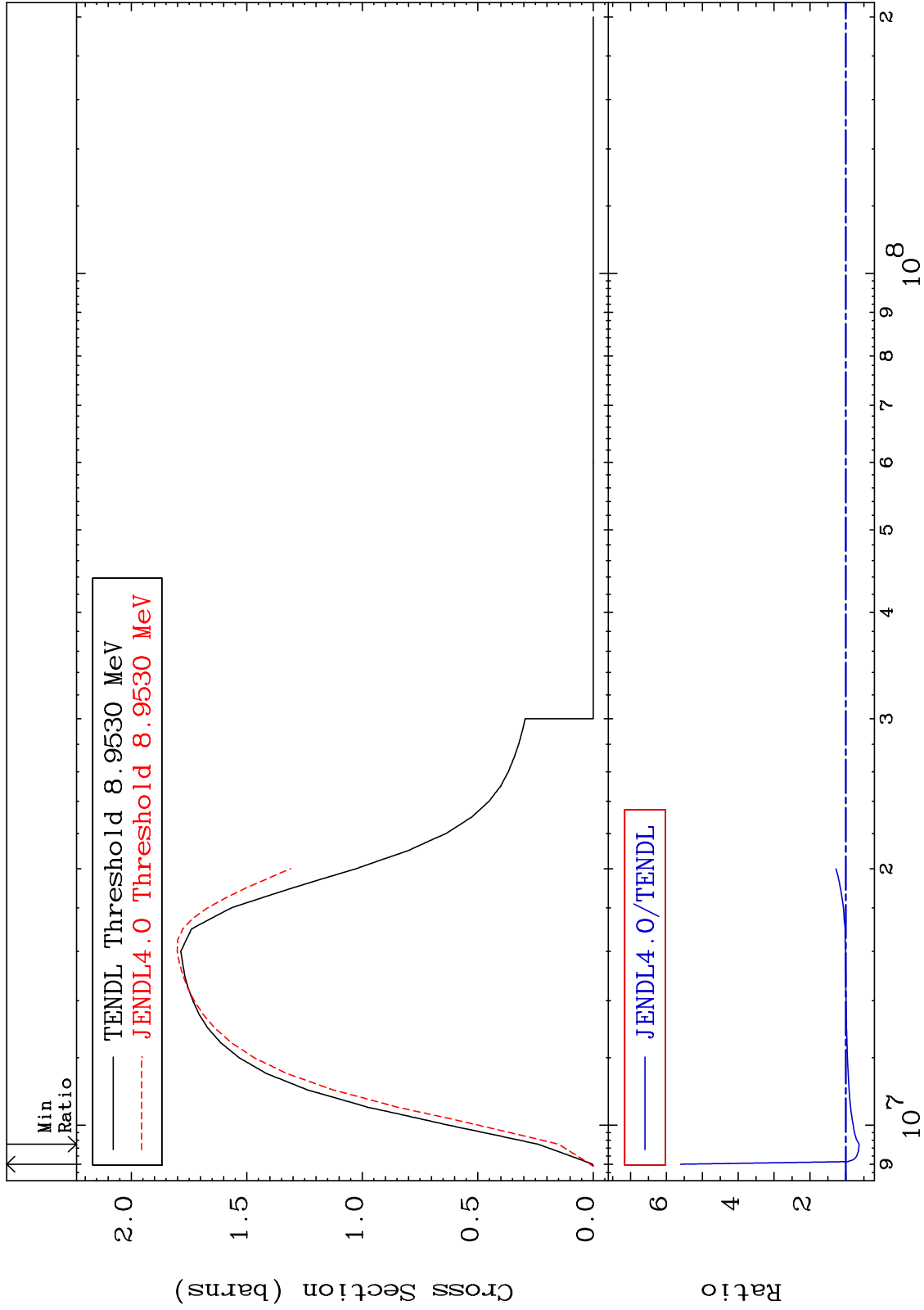
MAT 6431

(n,2n)

64-Gd-154

Cross Section

-37.04 To 460.4 %



4

Incident Energy (eV)

64-Gd-154

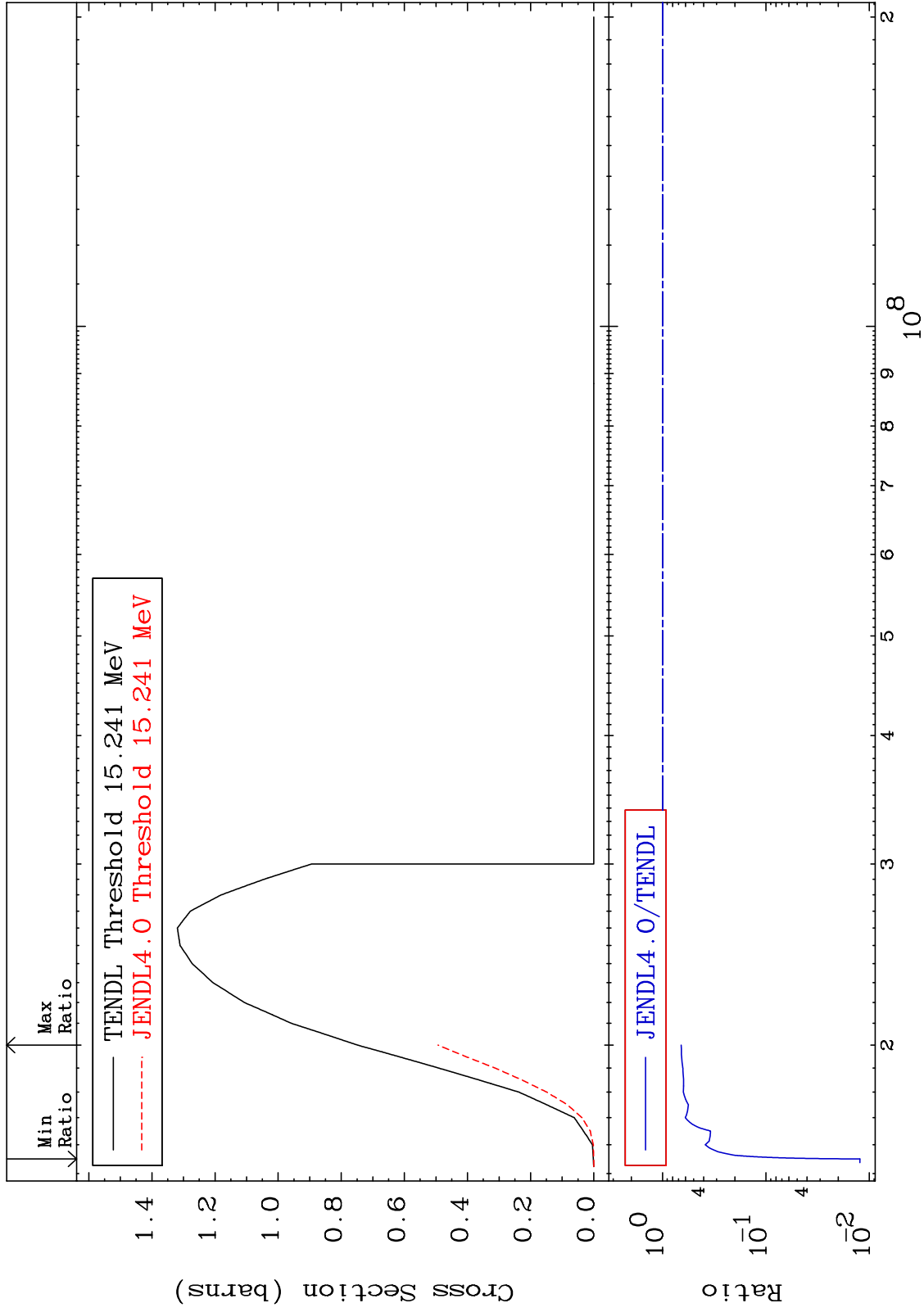
MAT 6431

(n,3n)

64-Gd-154

Cross Section

-98.77 To -34.04%



MAT 6431

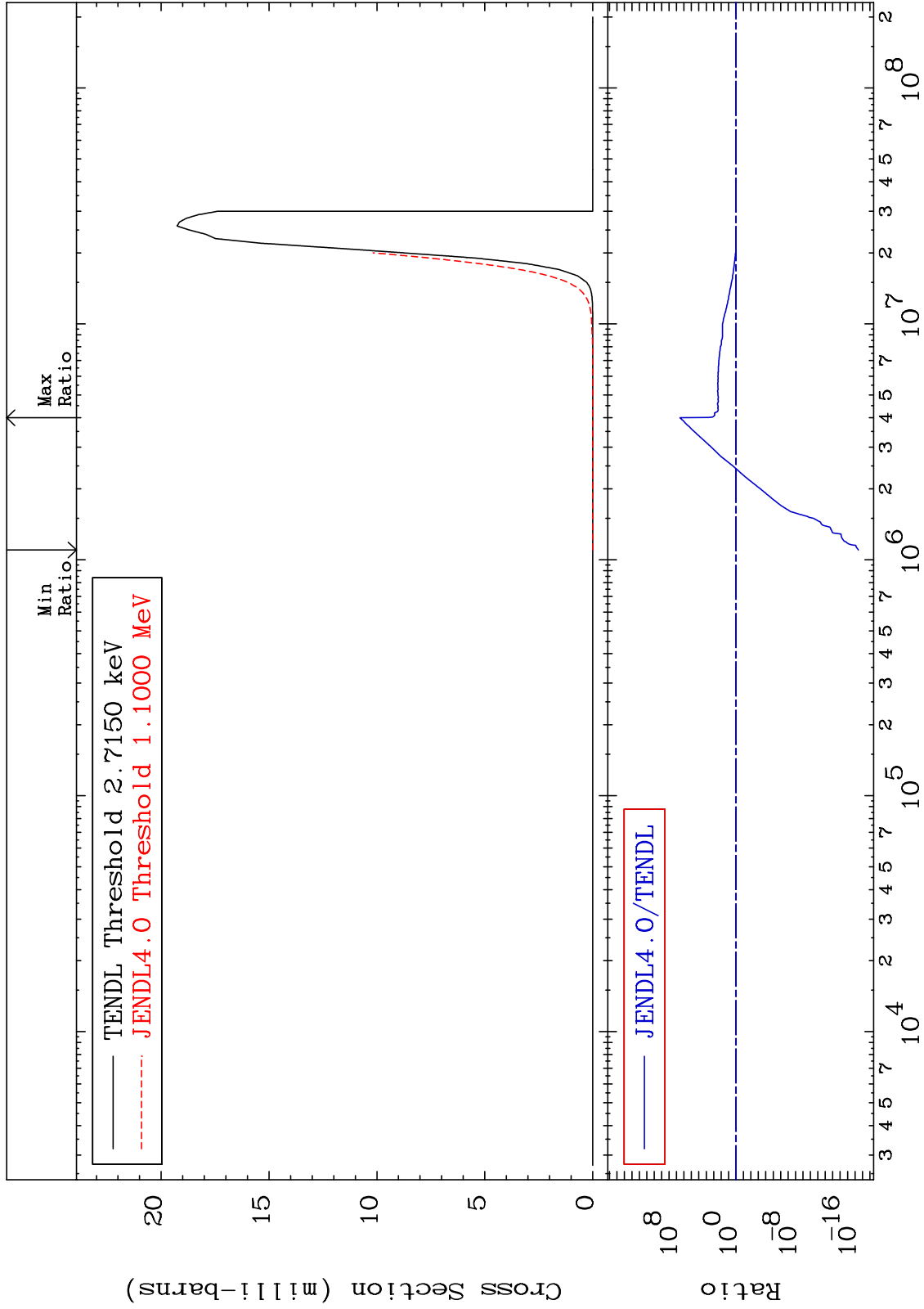
(n, n') α

64-Gd-154

Cross Section

Cross Section

-100.0 To 9999. %



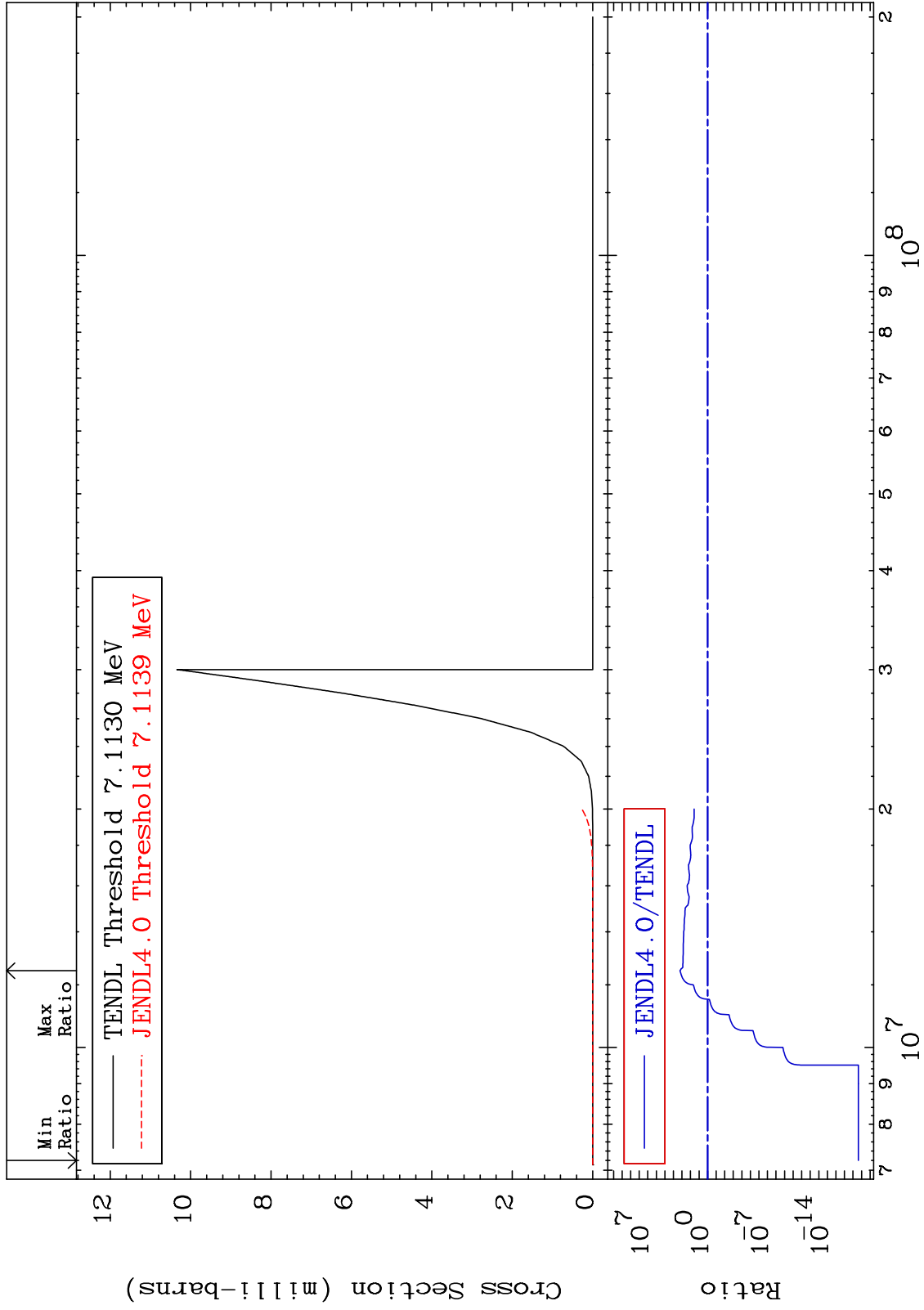
MAT 6431

(n,2n) α

64-Gd-154

Cross Section

-100.0 To 9999. %



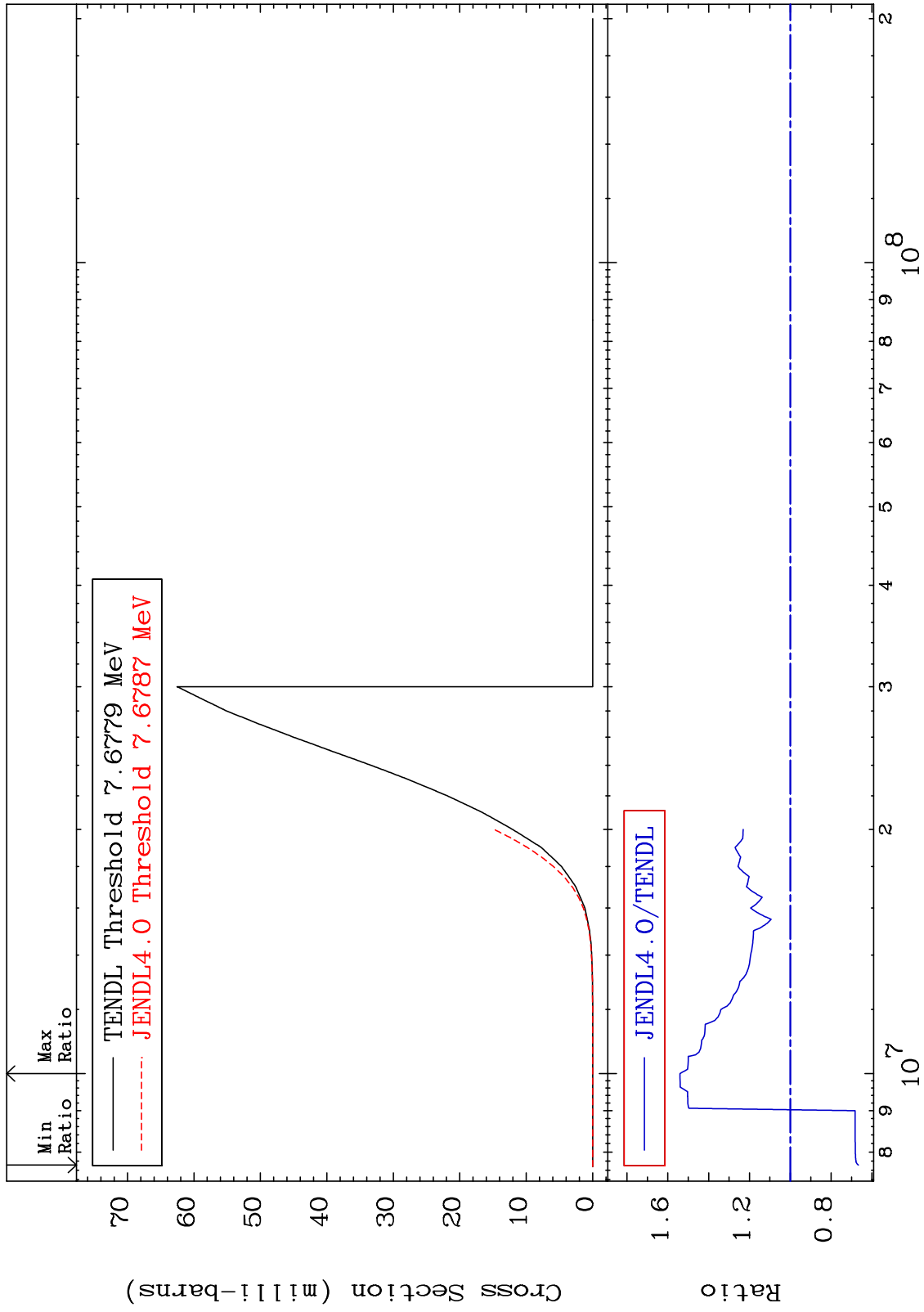
64-Gd-154

64-Gd-154

MAT 6431

(n,n') p
Cross Section

64-Gd-154
-33.36 To 54.03 %



8

Incident Energy (eV)

64-Gd-154

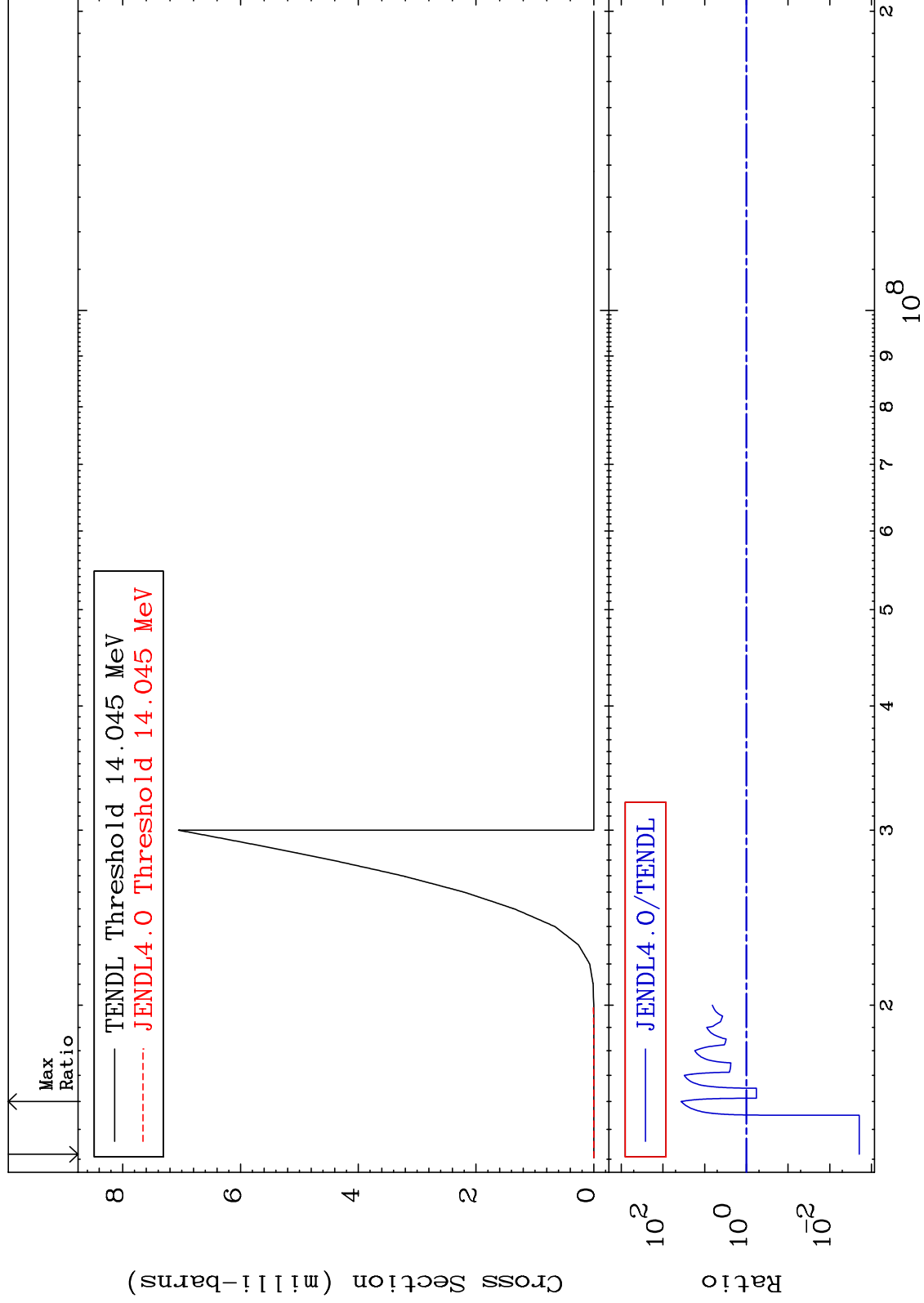
MAT 6431

(n, n') d

64-Gd-154

Cross Section

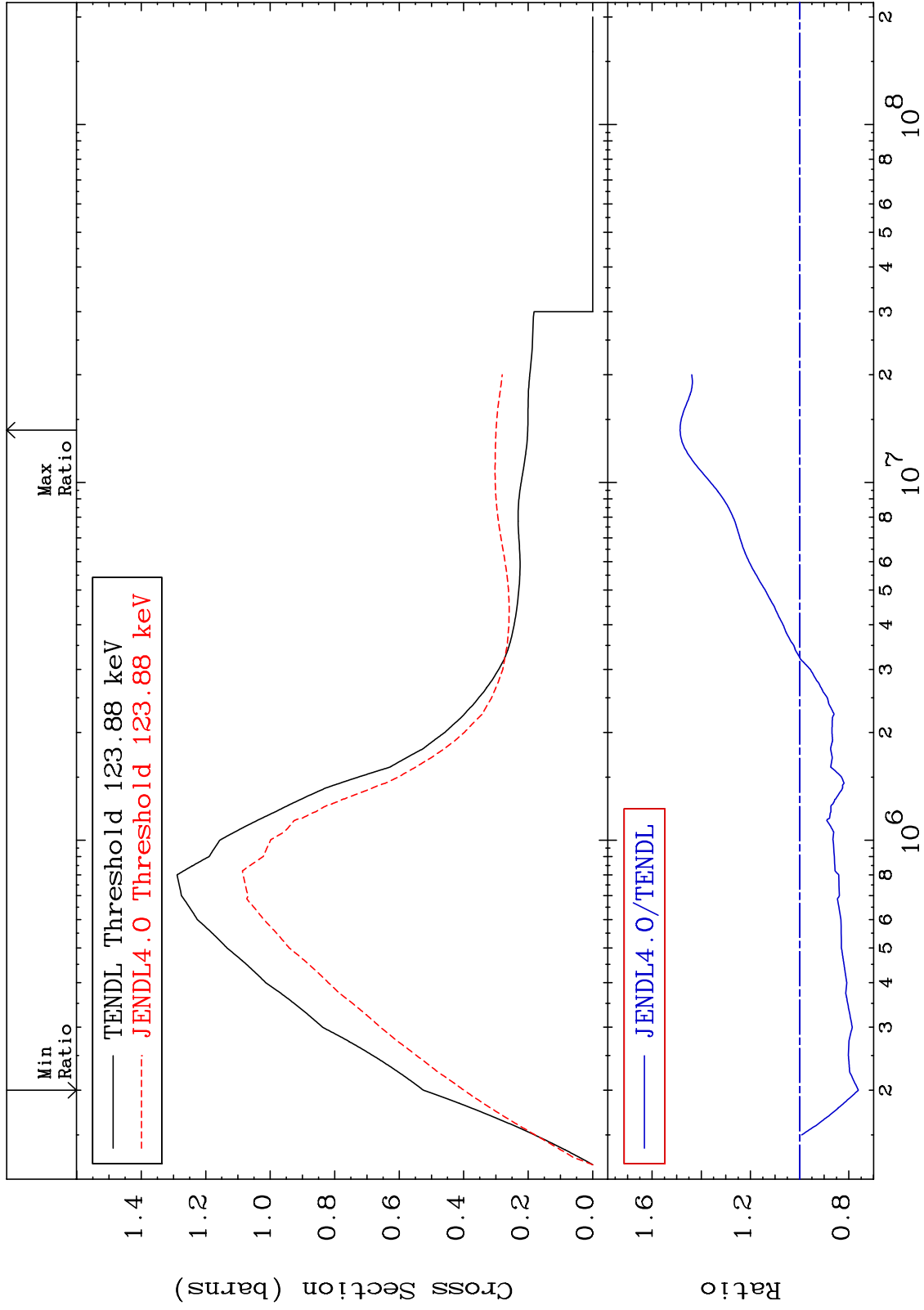
-99.80 To 3577. %



MAT 6431

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

64-Gd-154
-23.91 To 48.64 %



10

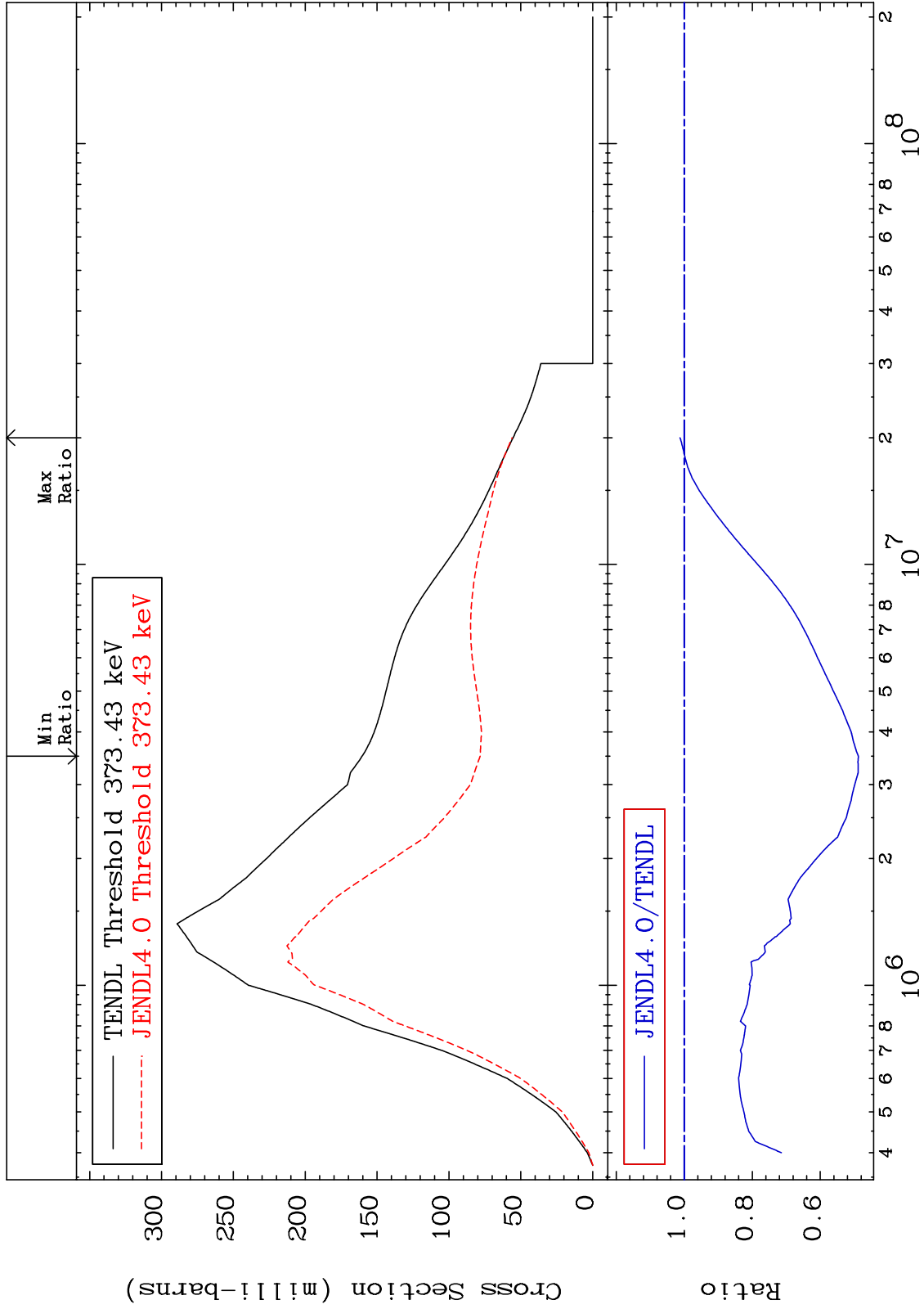
Incident Energy (eV)

64-Gd-154

MAT 6431

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

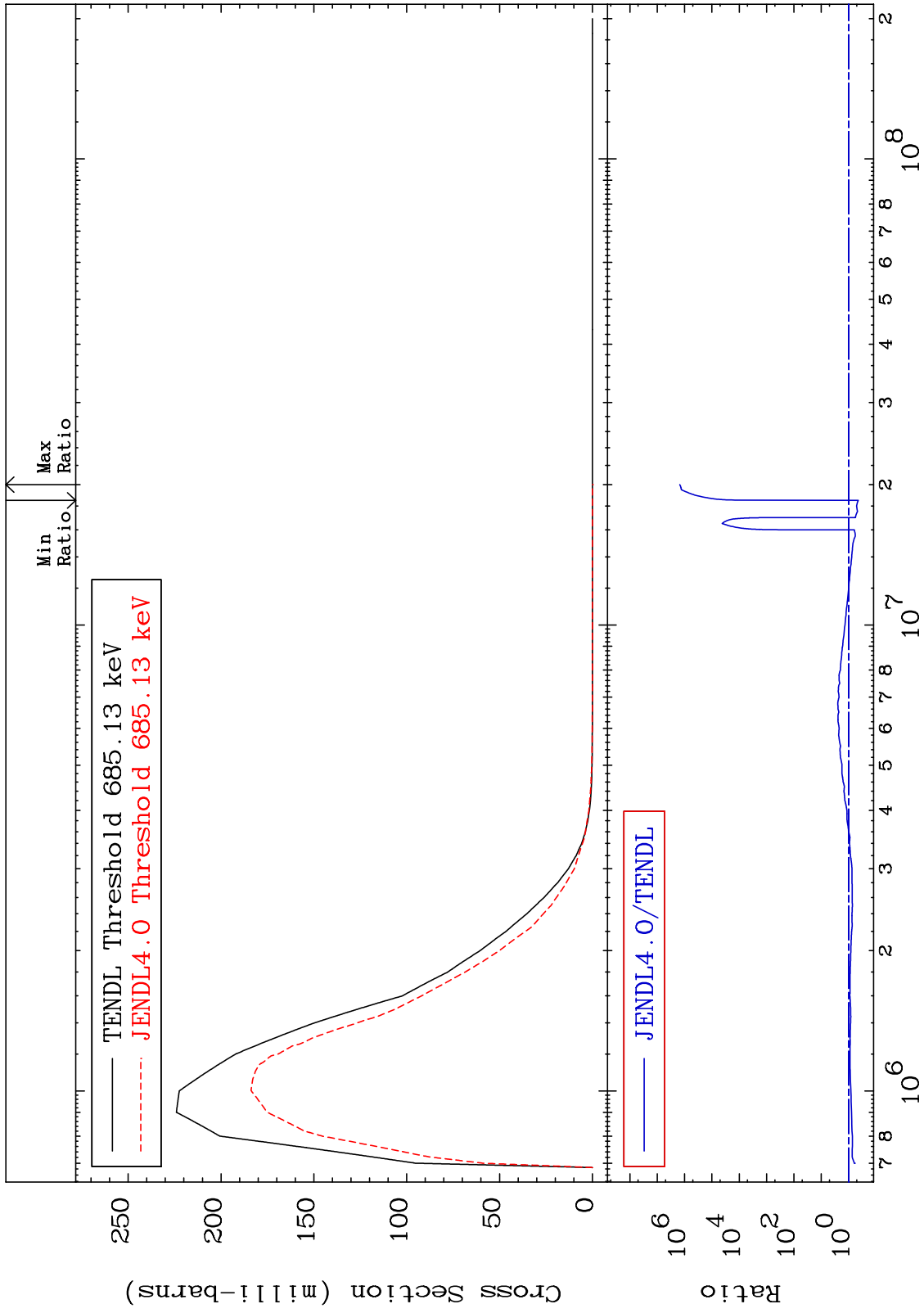
64-Gd-154
-51.21 To 1.240 %



MAT 6431

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

64-Gd-154
-55.99 To 9999. %



12

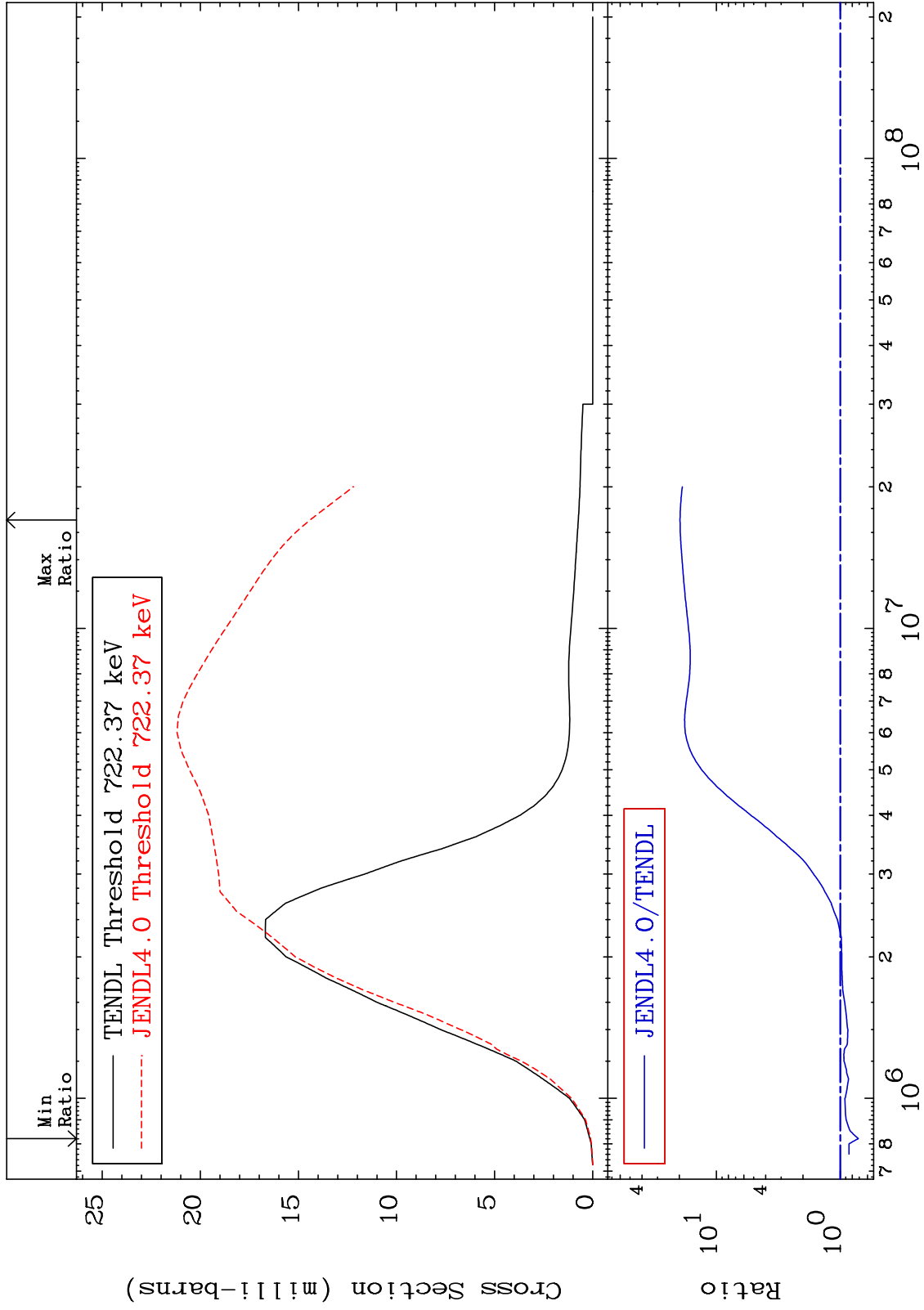
Incident Energy (eV)

64-Gd-154

MAT 6431

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

64-Gd-154
-28.80 To 1870. %



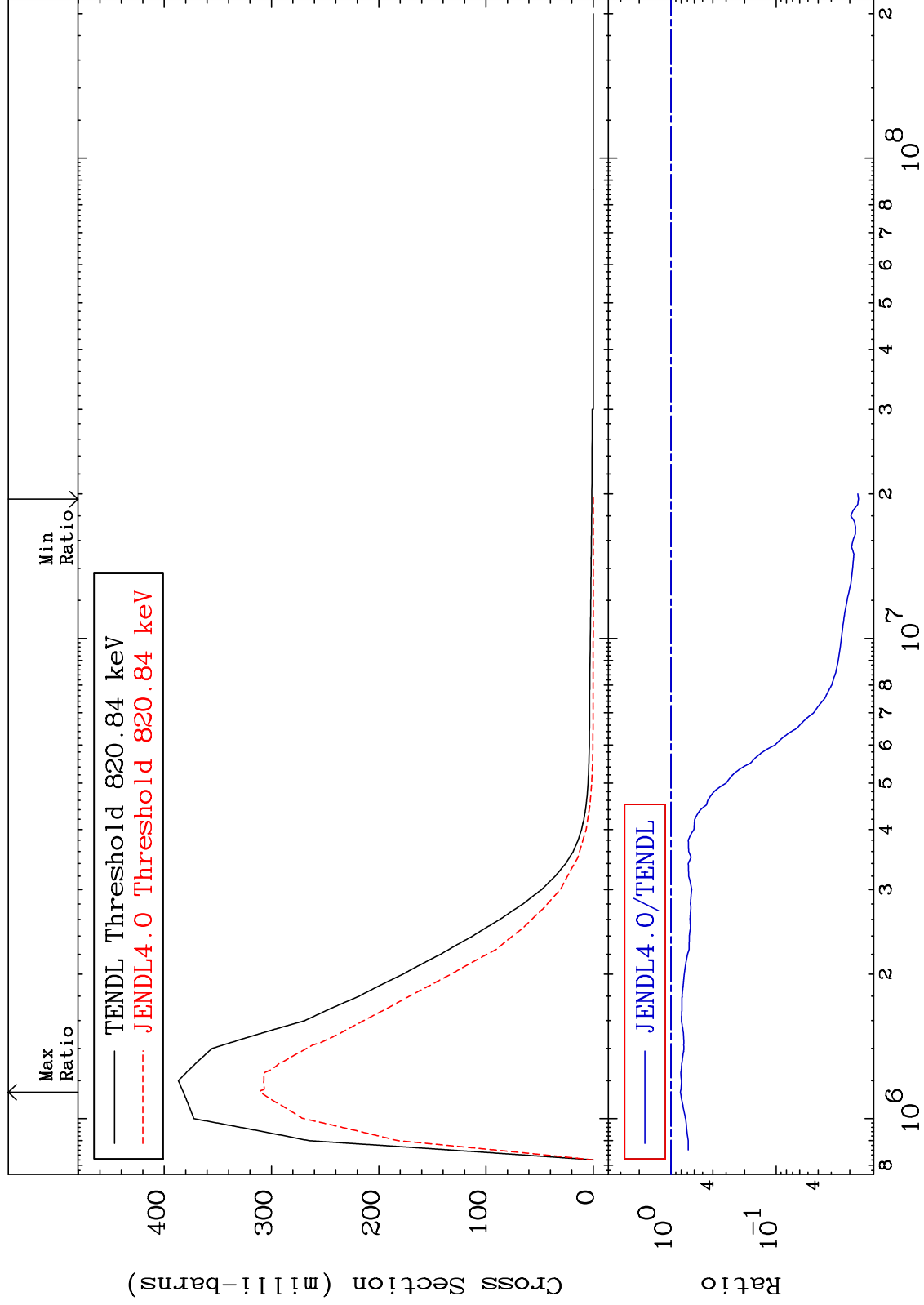
13

64-Gd-154

MAT 6431

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

64-Gd-154
-98.35 To -18.77%



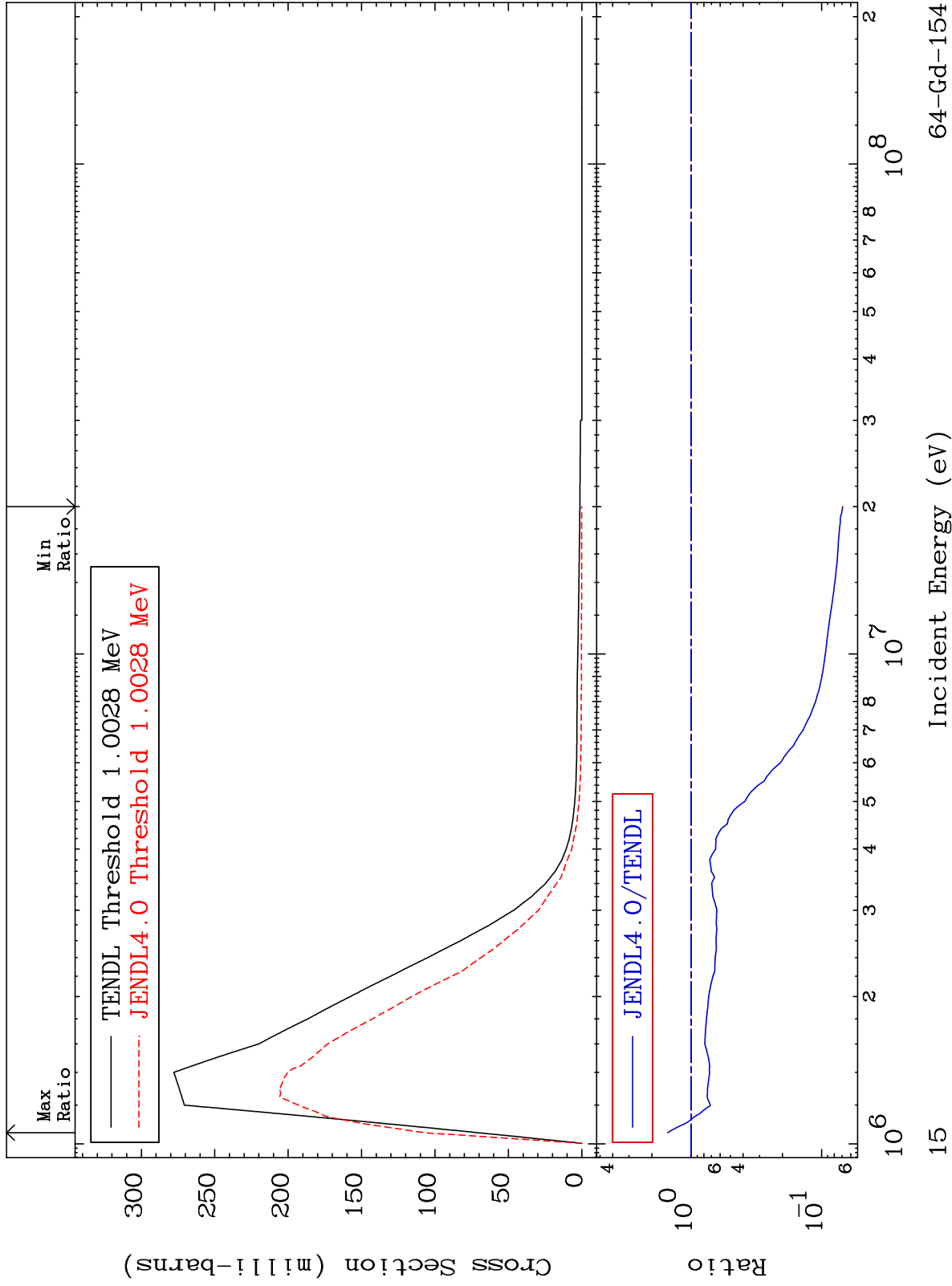
14

64-Gd-154

MAT 6431

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

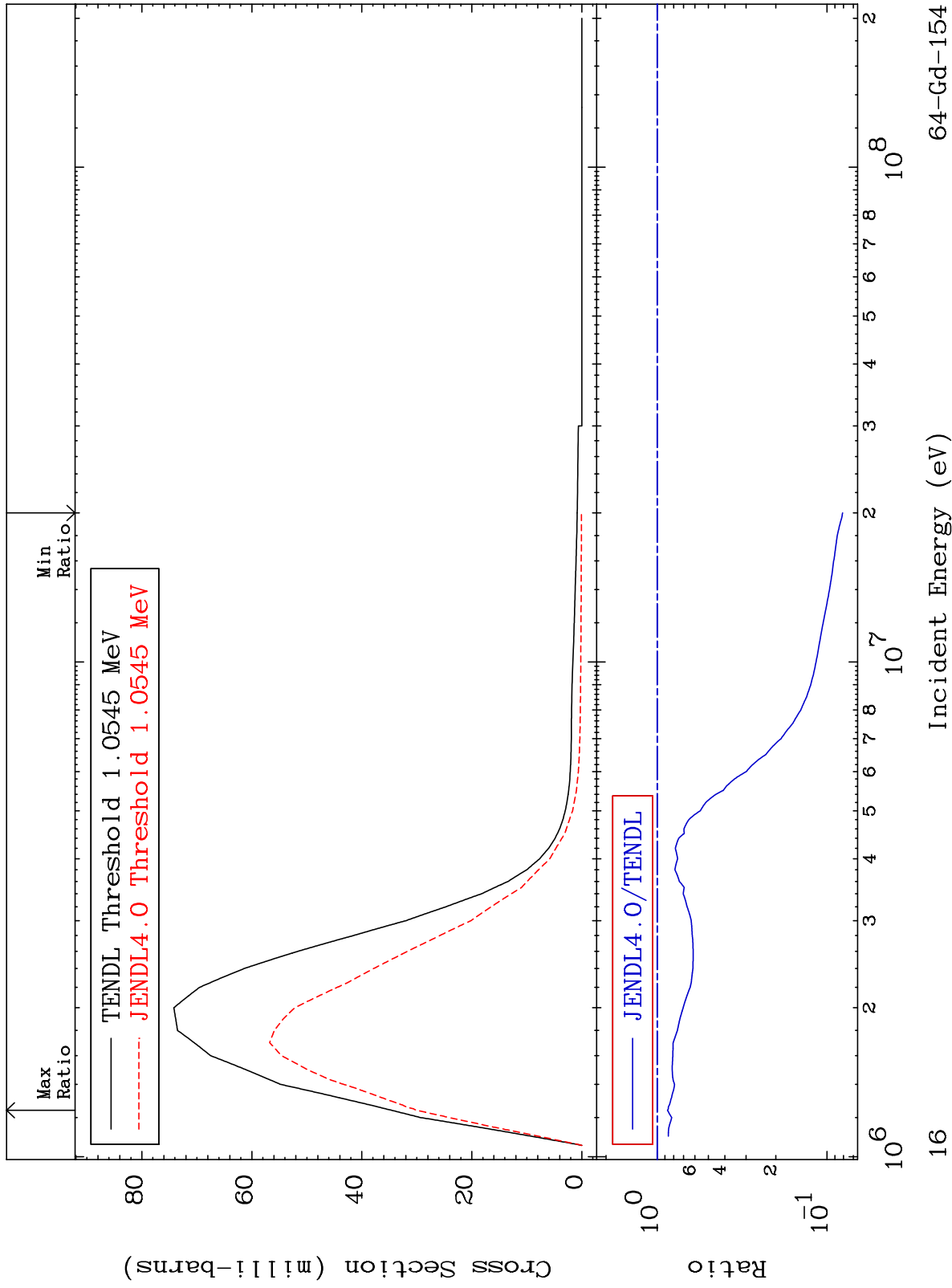
64-Gd-154
-93.09 To 51.79 %



MAT 6431

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

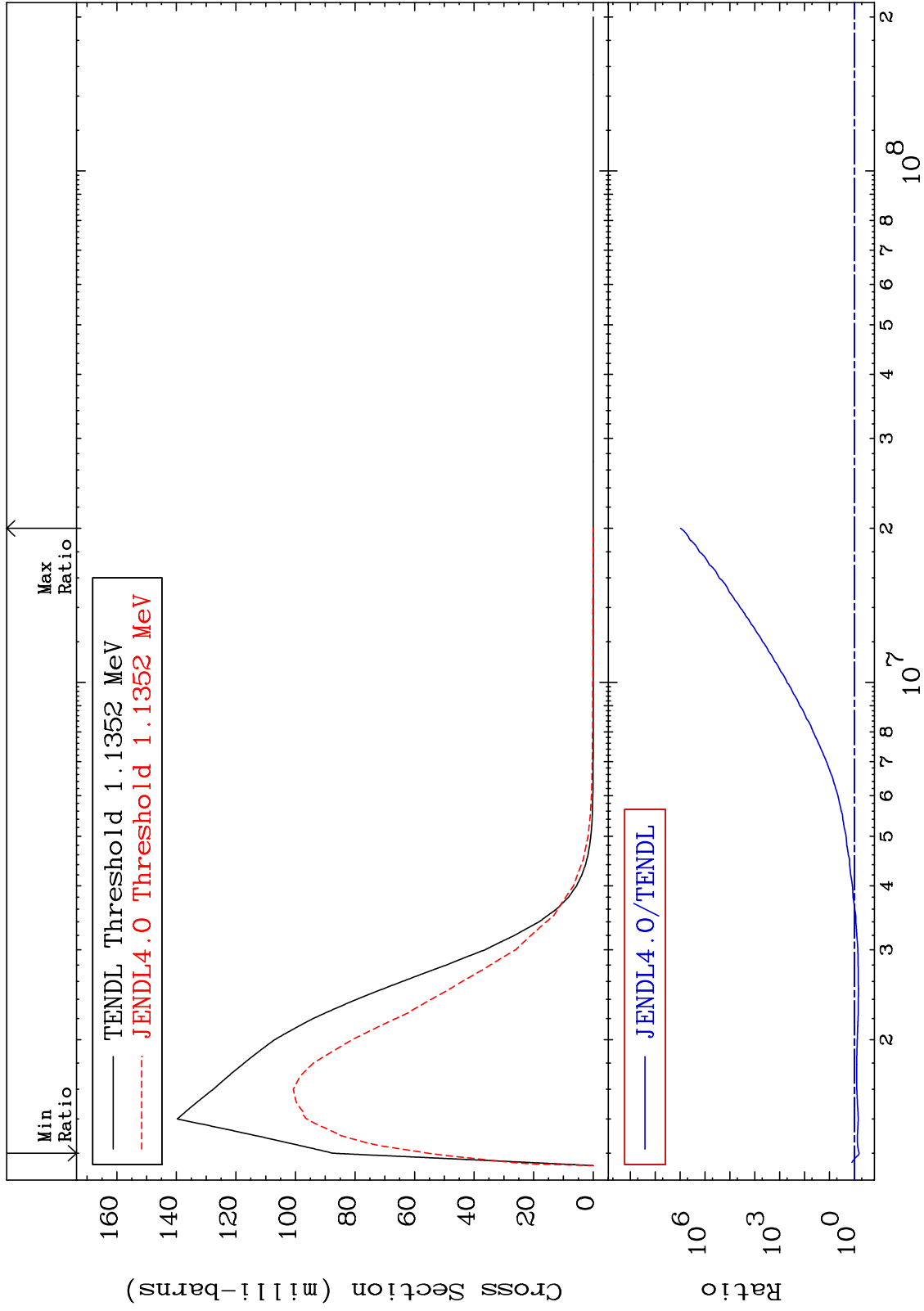
64-Gd-154
-91.91 To -13.12%



MAT 6431

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

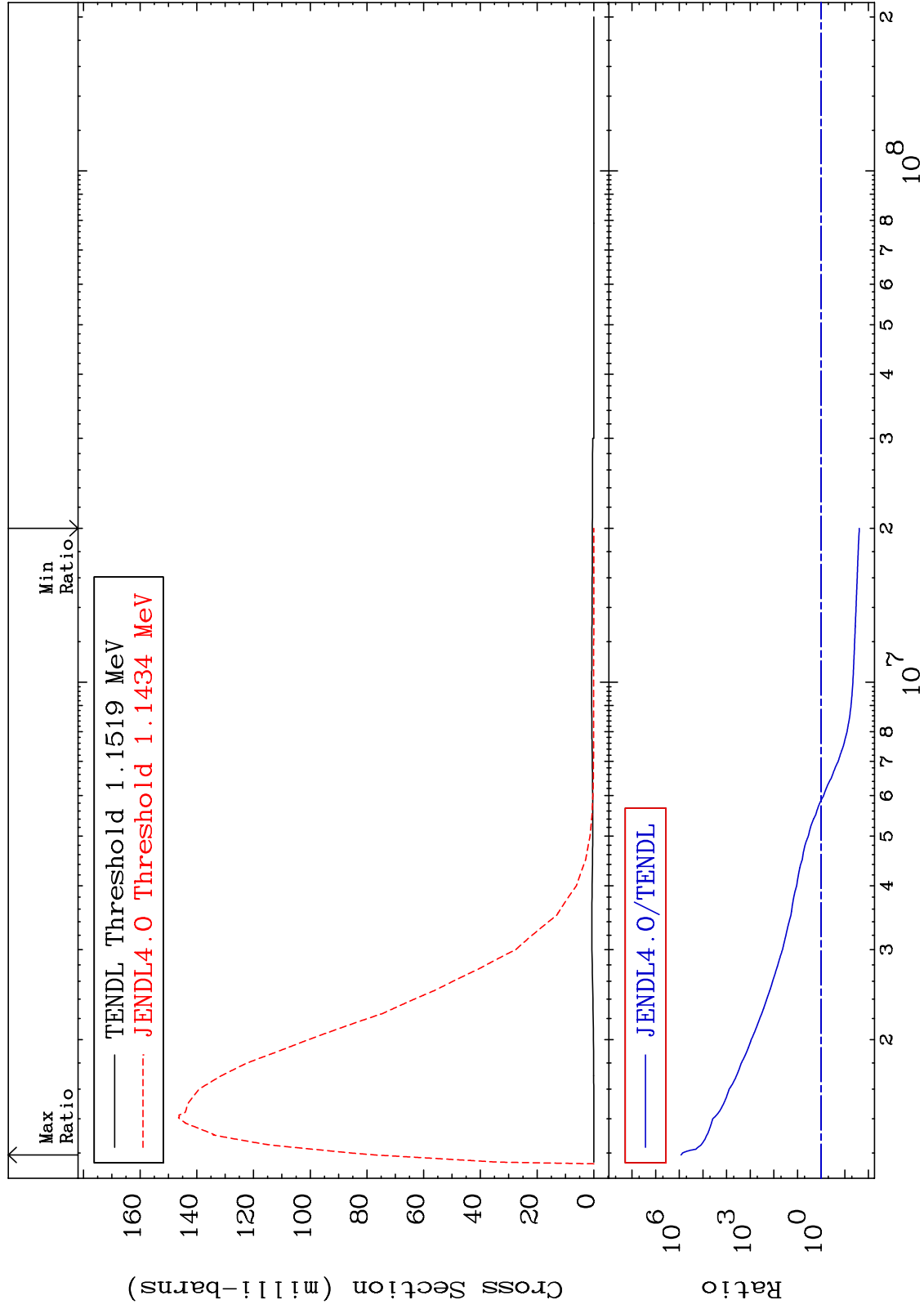
64-Gd-154
-36.57 To 9999. %



MAT 6431

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

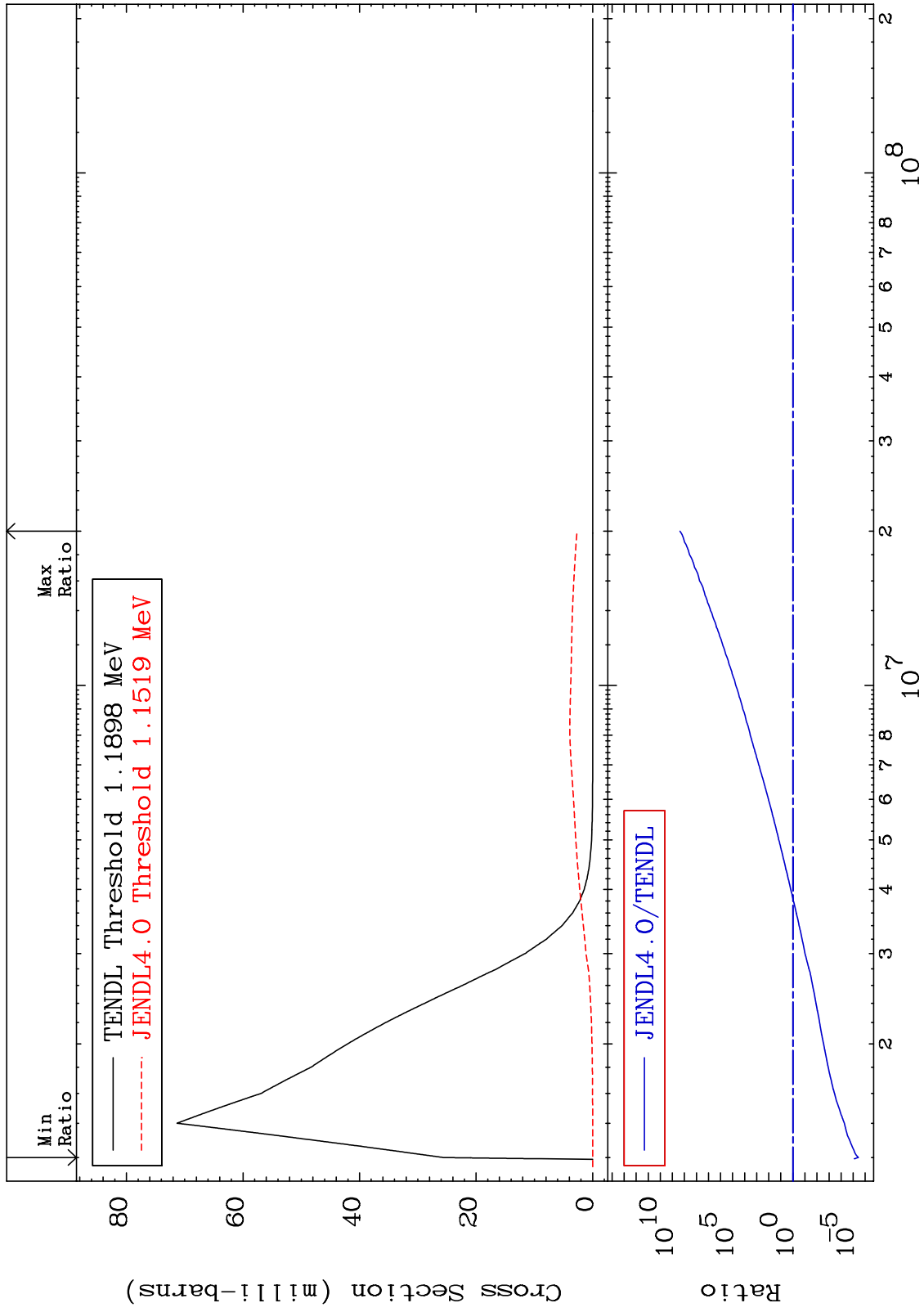
64-Gd-154
-97.57 To 9999. %



MAT 6431

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

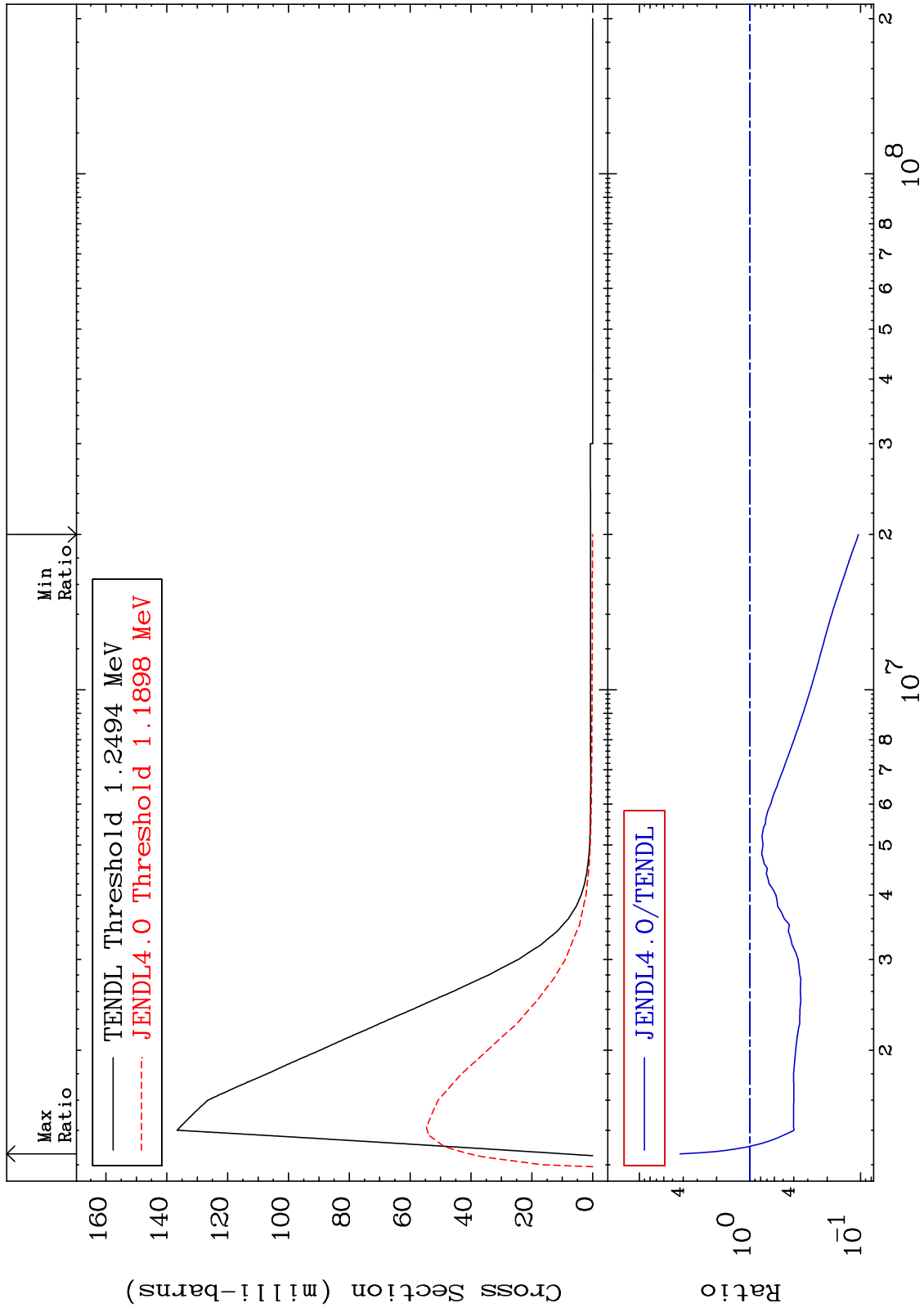
64-Gd-154
-100.0 To 9999. %



MAT 6431

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

64-Gd-154
-89.56 To 328.5 %



20

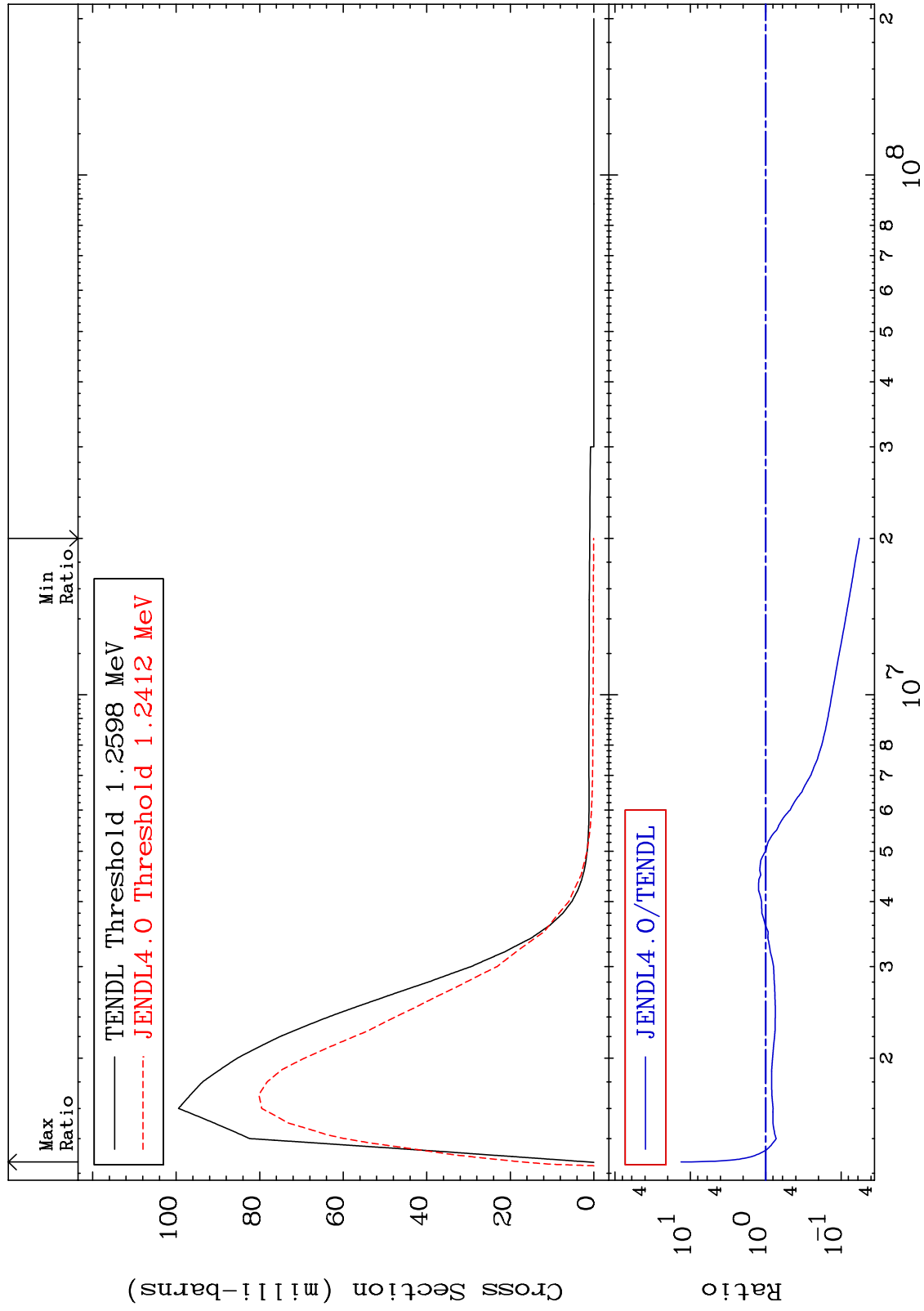
Incident Energy (eV)

64-Gd-154

MAT 6431

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

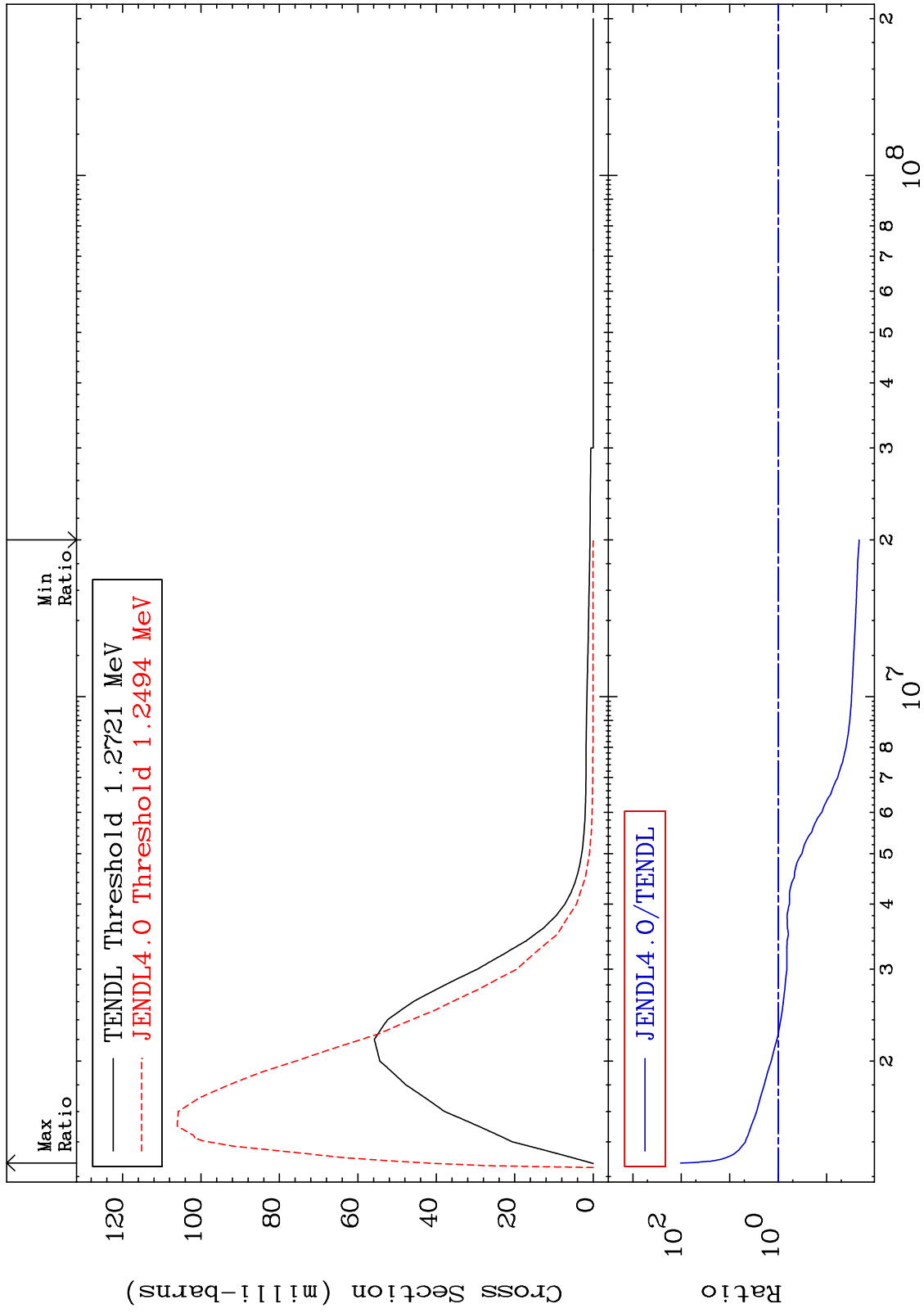
64-Gd-154
-94.26 To 1229. %



MAT 6431

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

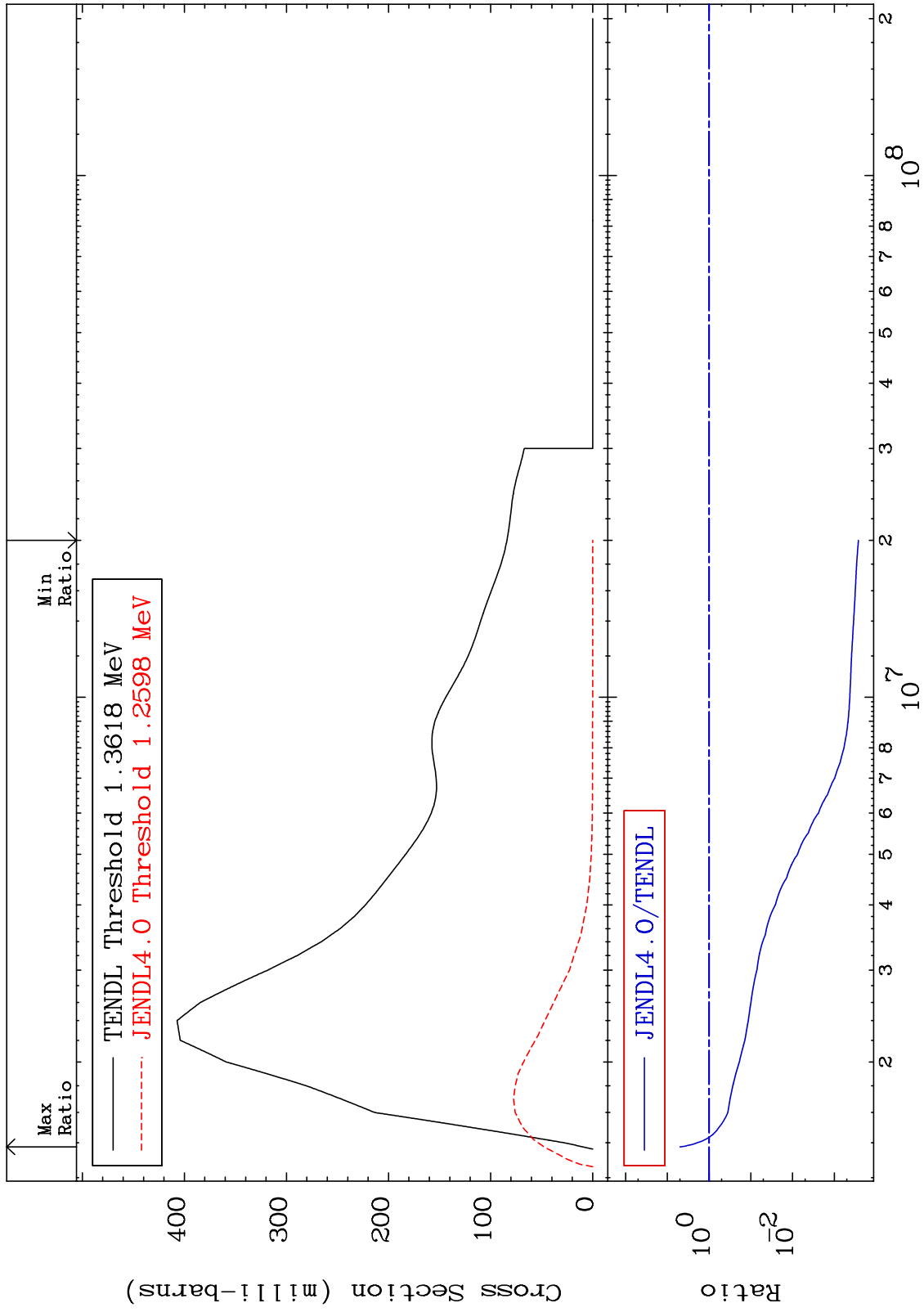
64-Gd-154
-97.87 To 9999. %



MAT 6431

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

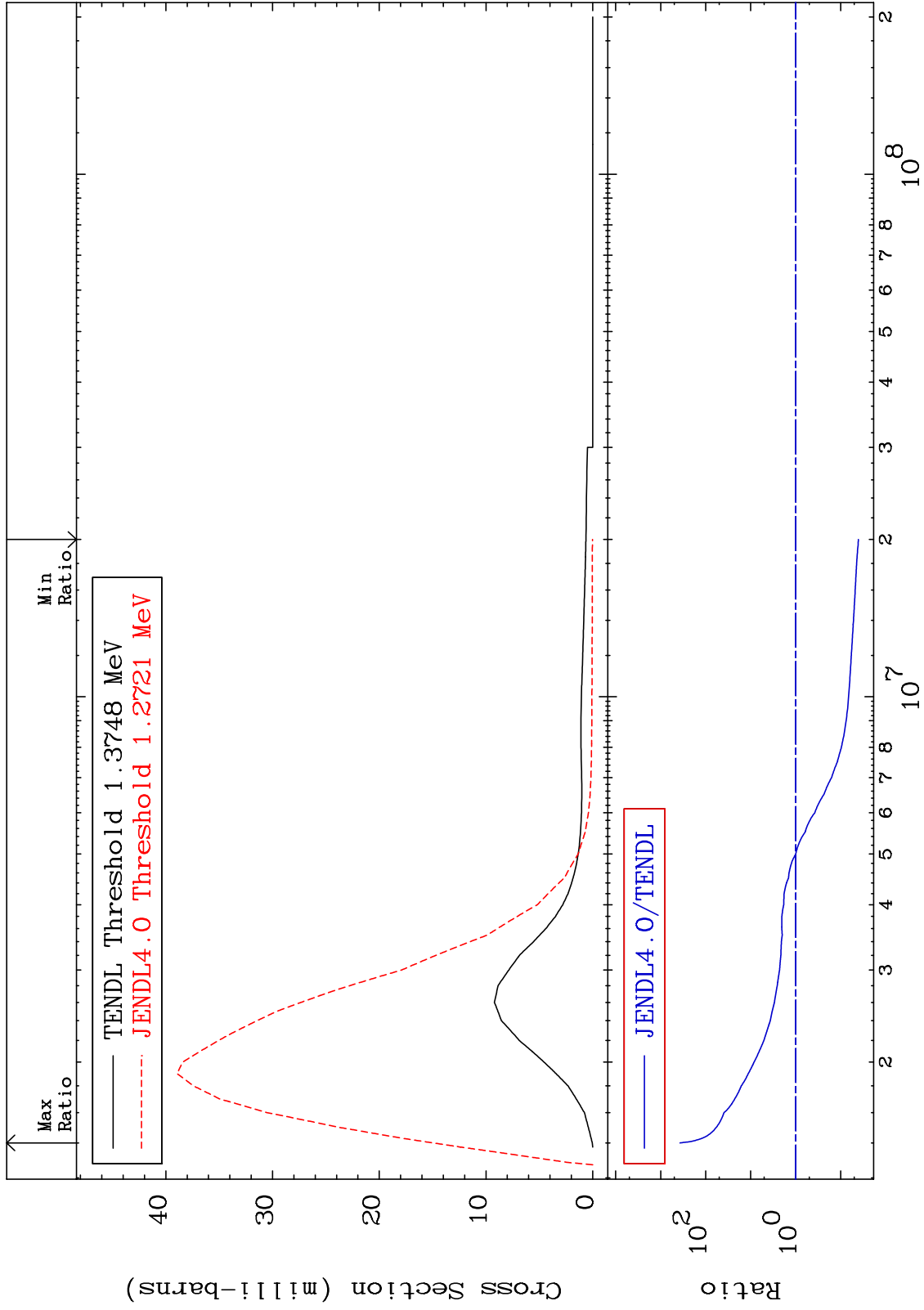
64-Gd-154
-99.97 To 396.7 %



MAT 6431

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

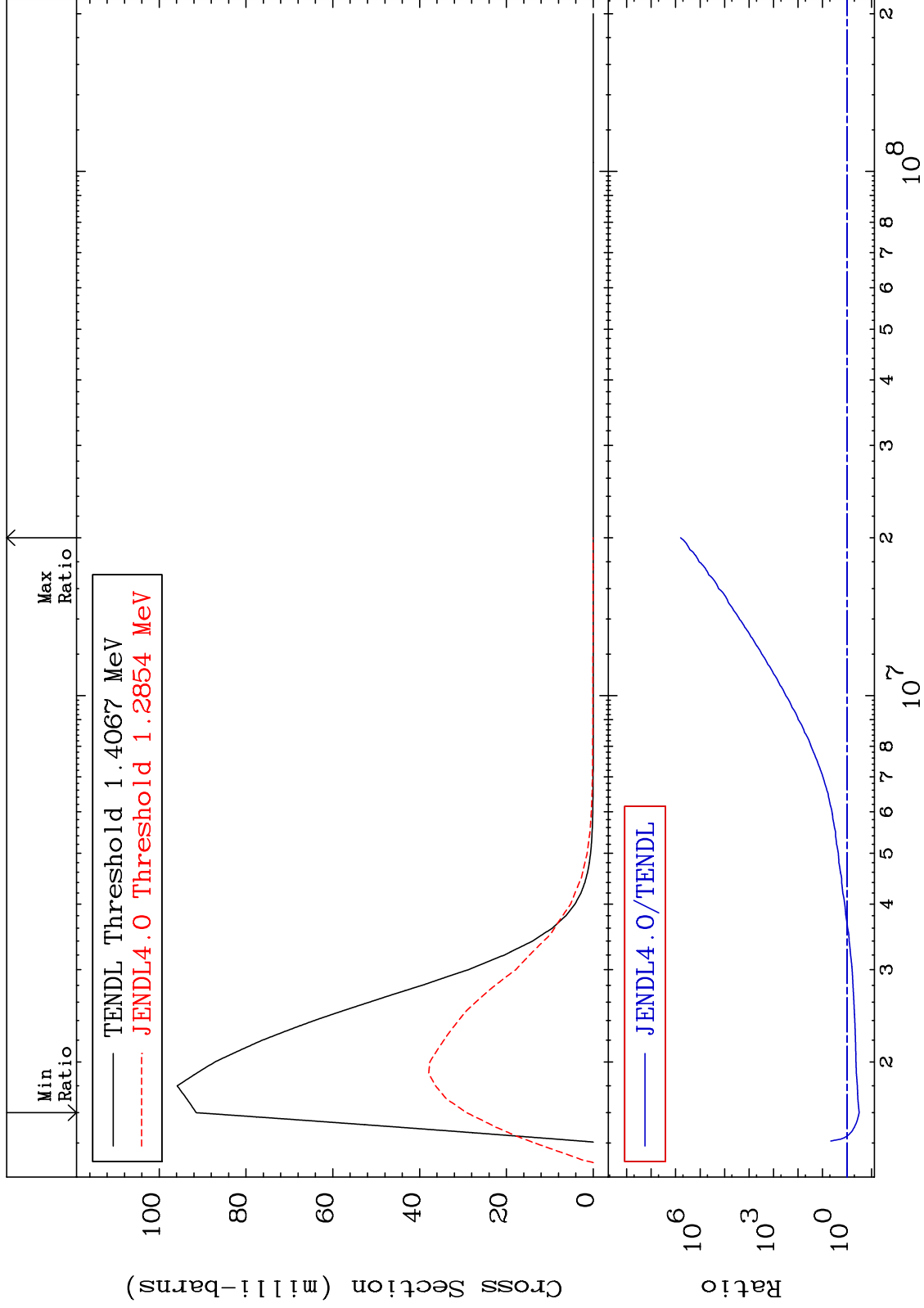
64-Gd-154
-95.96 To 9999. %



MAT 6431

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

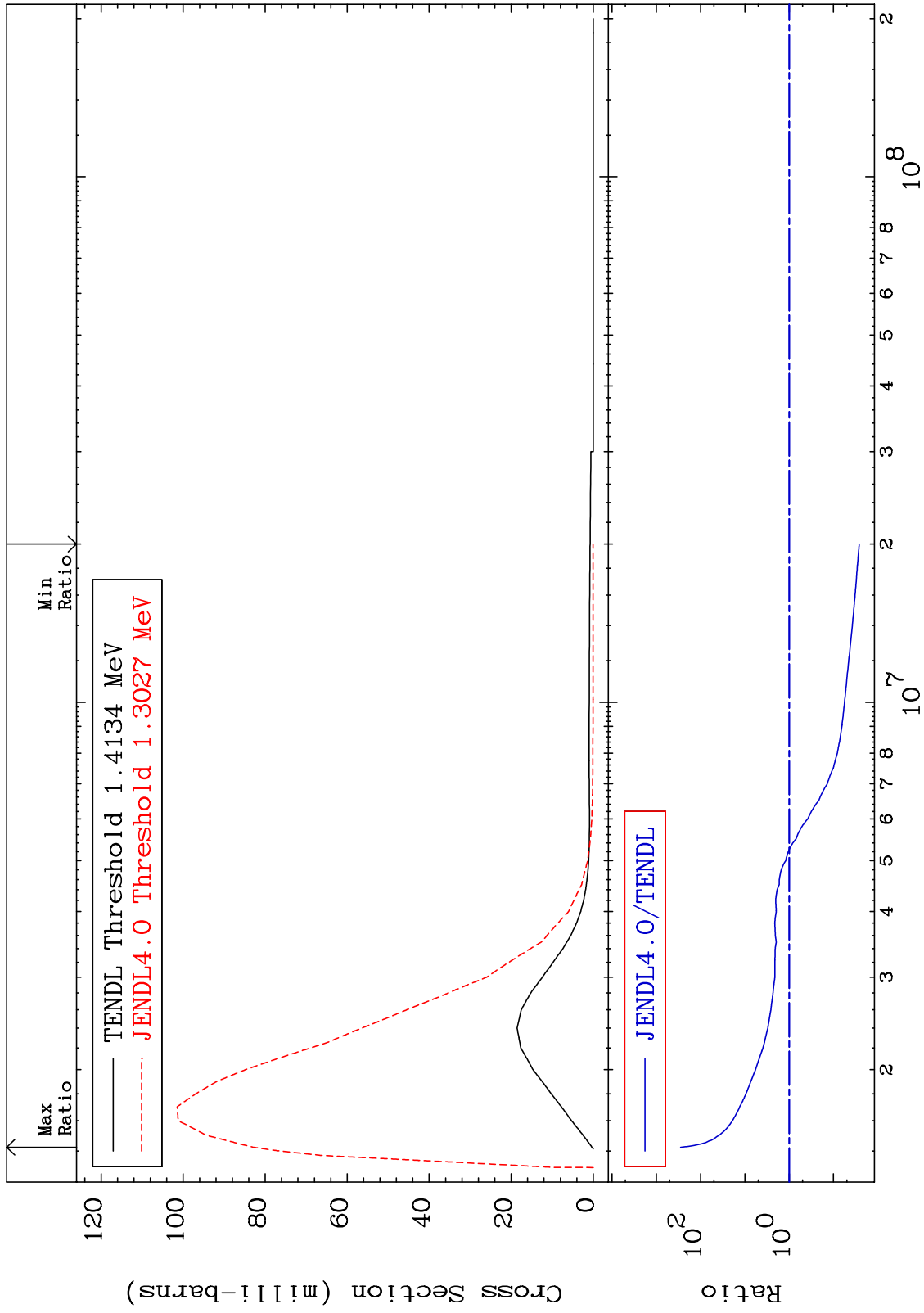
64-Gd-154
-68.09 To 9999. %



MAT 6431

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

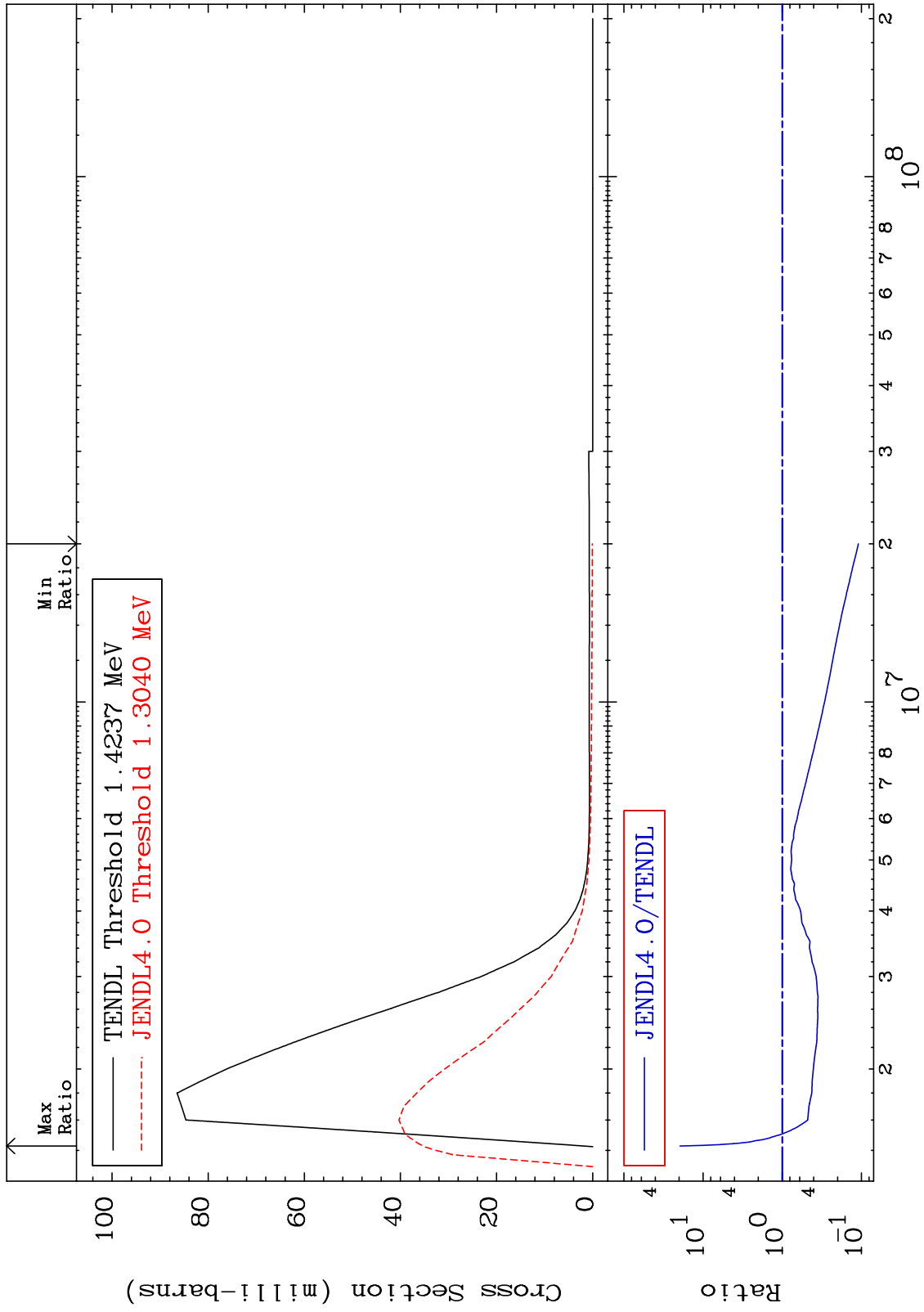
64-Gd-154
-97.37 To 9999. %



MAT 6431

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

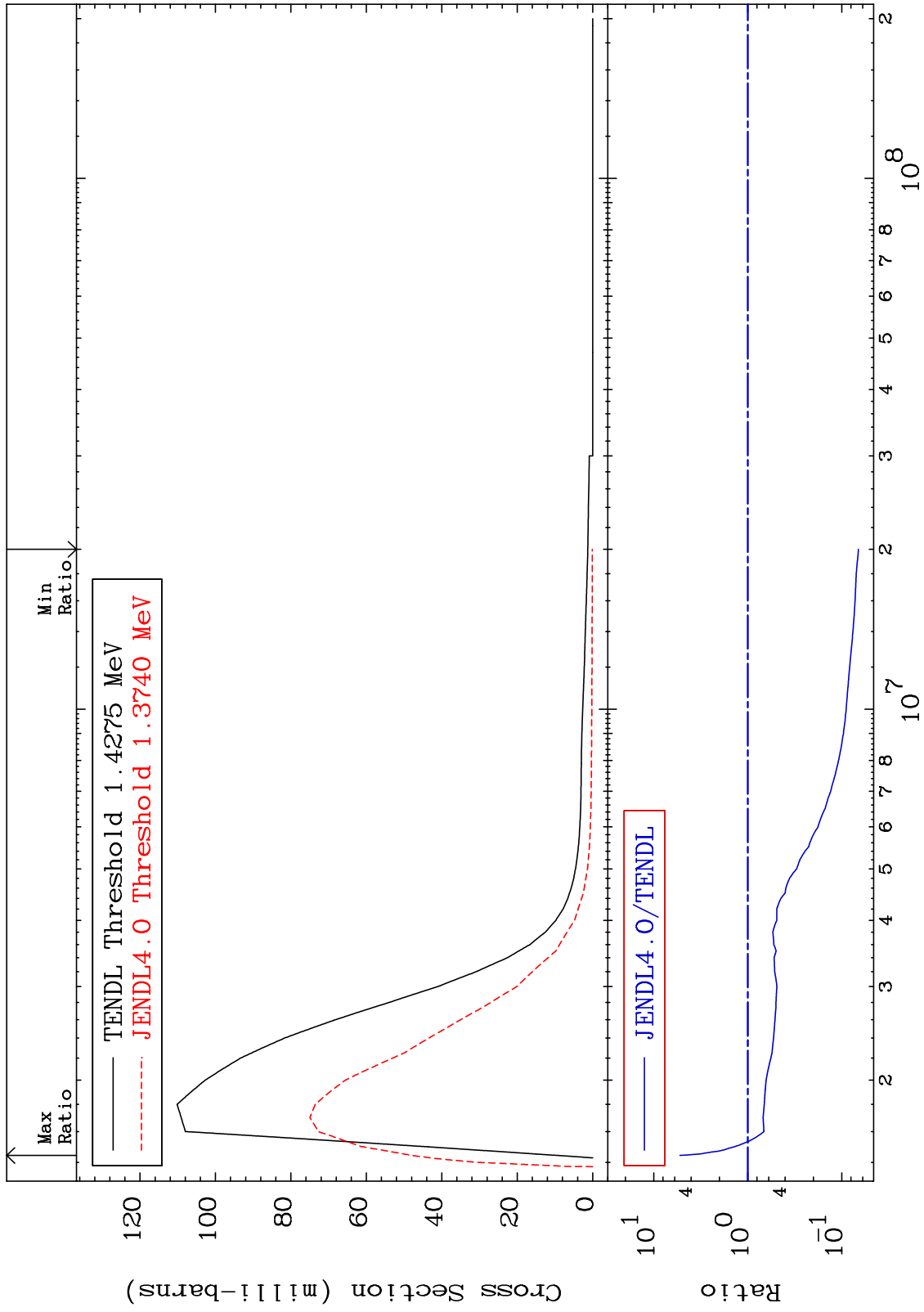
64-Gd-154
-89.10 To 1850. %



MAT 6431

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

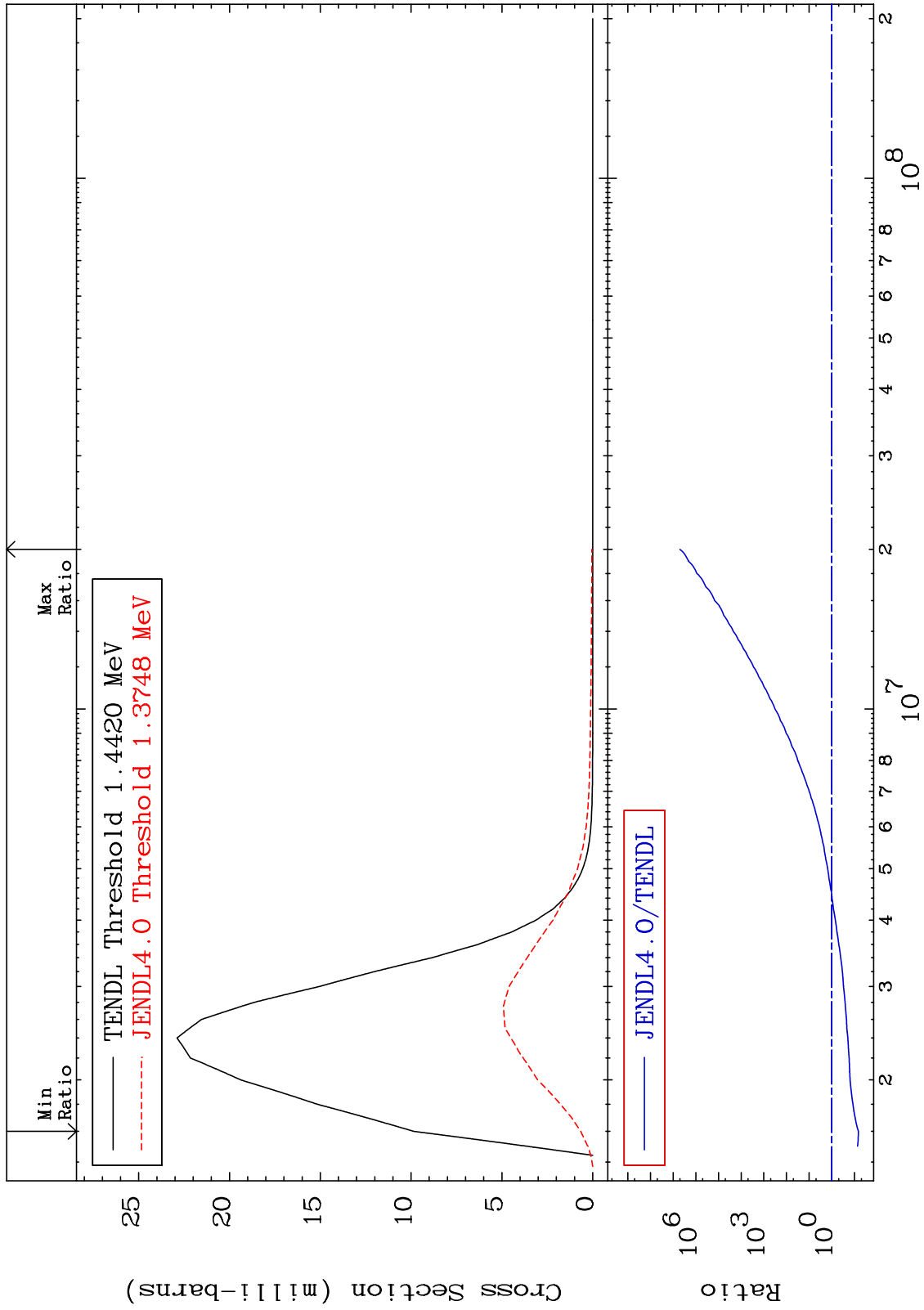
64-Gd-154
-93.35 To 425.6 %



MAT 6431

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

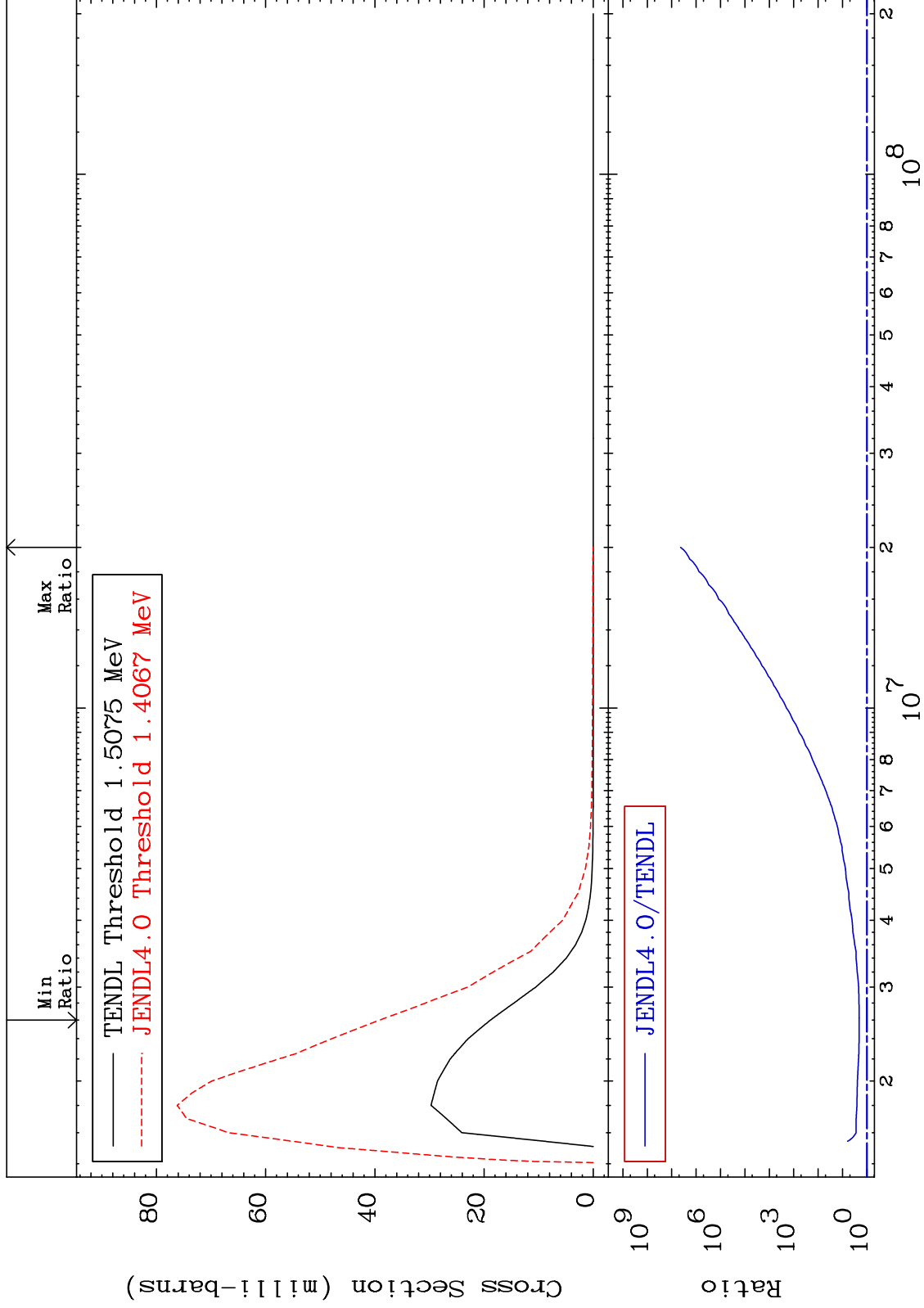
64-Gd-154
-93.28 To 9999. %



MAT 6431

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

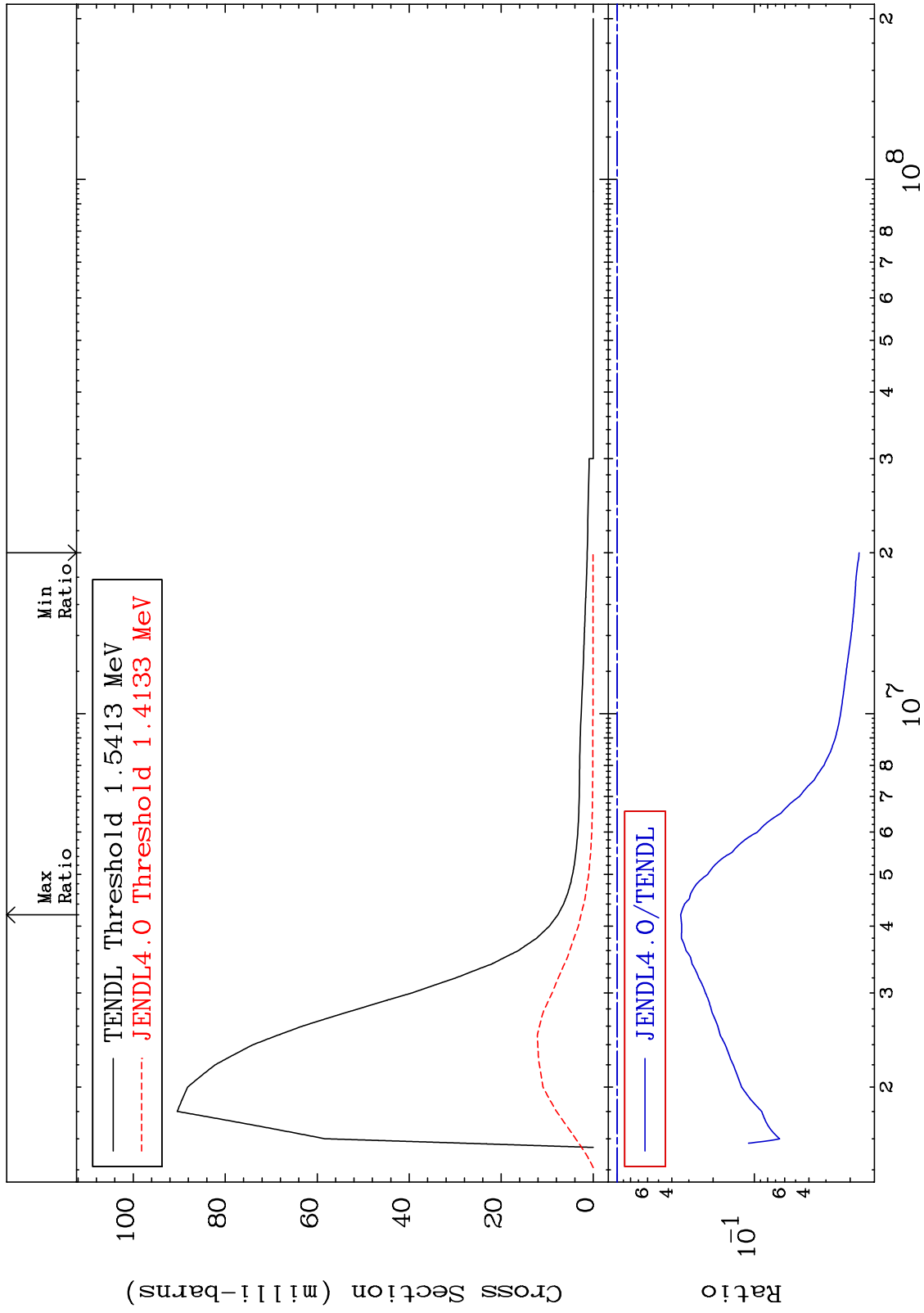
64-Gd-154
107.8 To 9999. %



MAT 6431

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

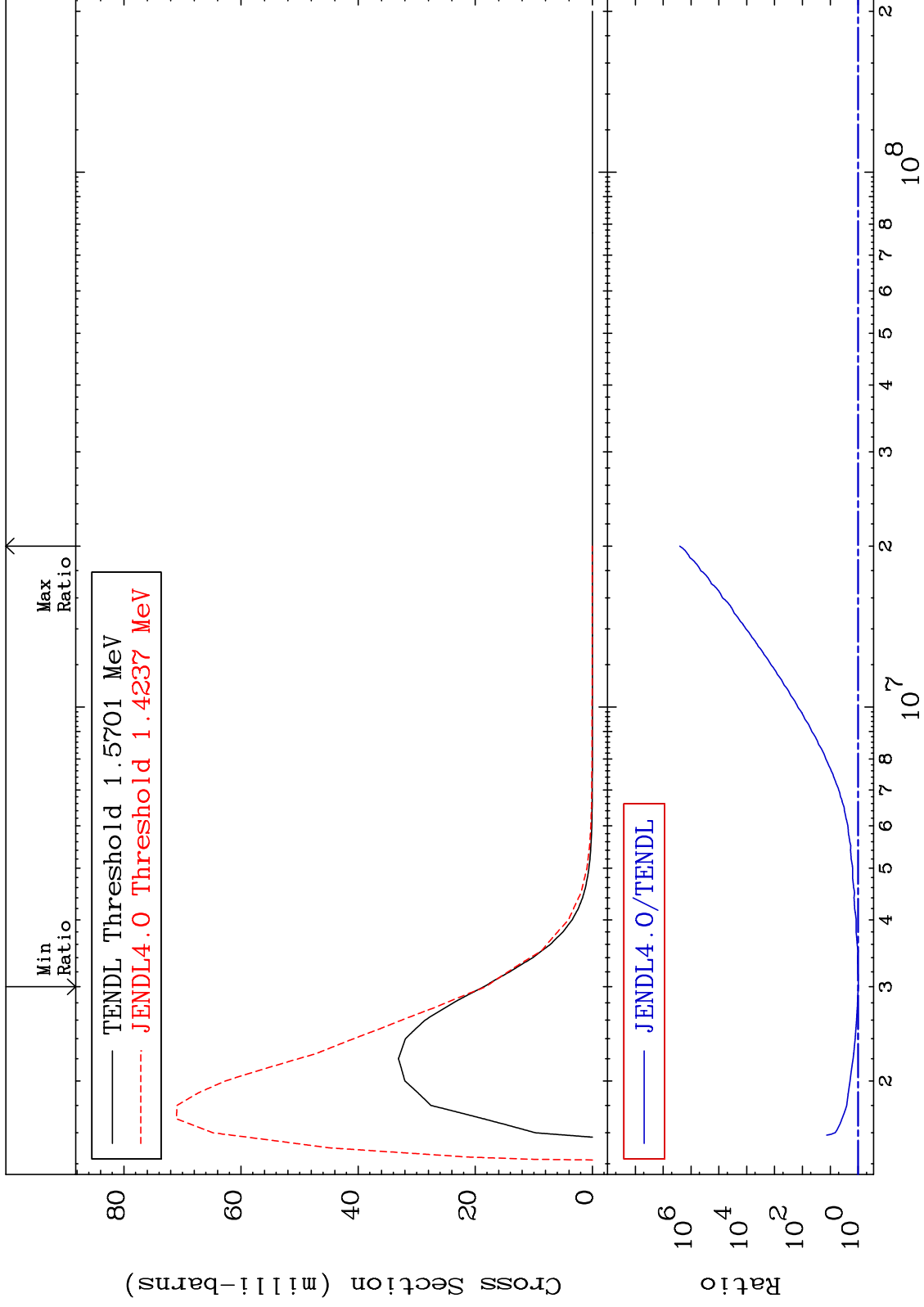
64-Gd-154
-98.28 To -65.55%



MAT 6431

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

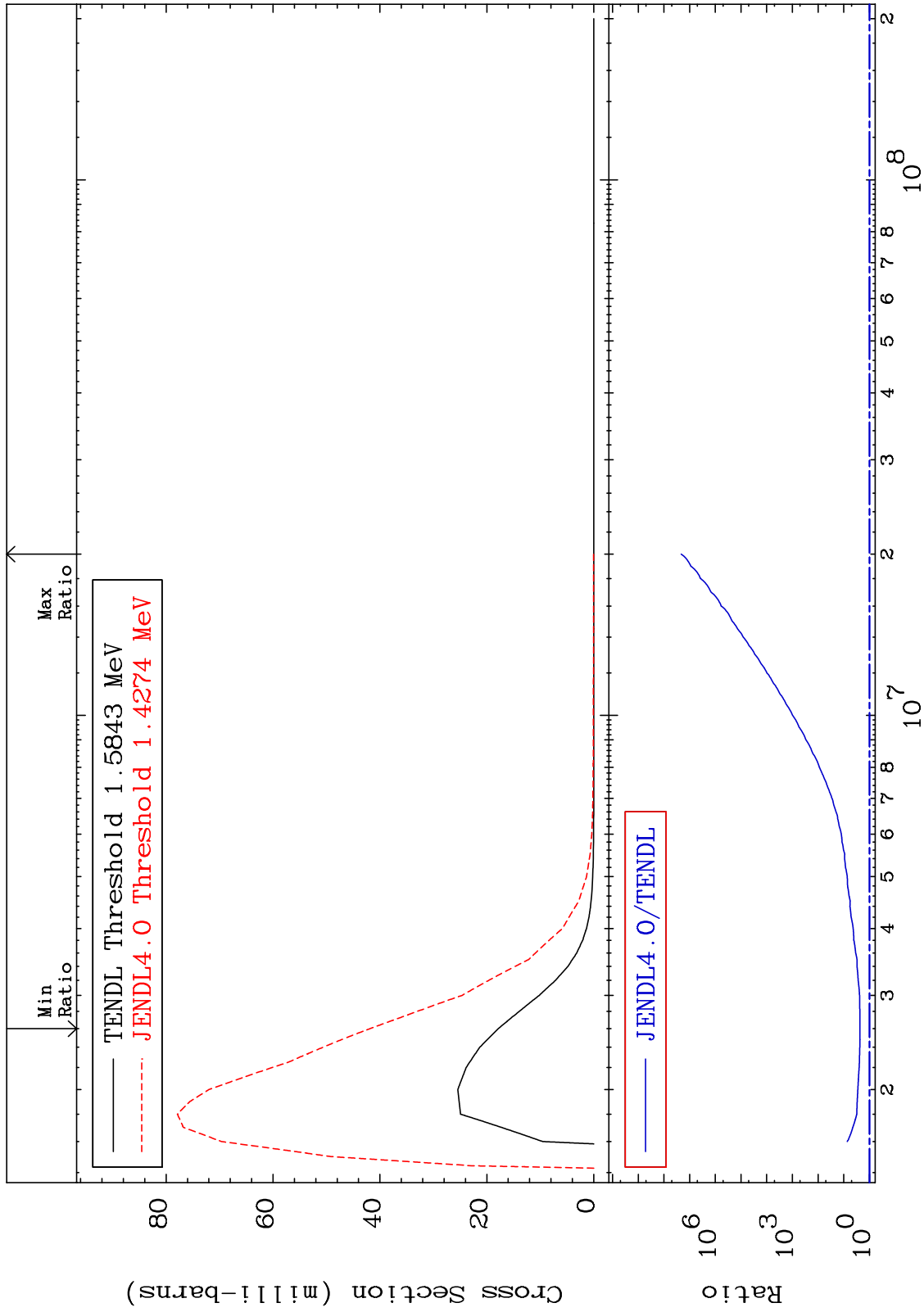
64-Gd-154
-1.782 To 9999. %



MAT 6431

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

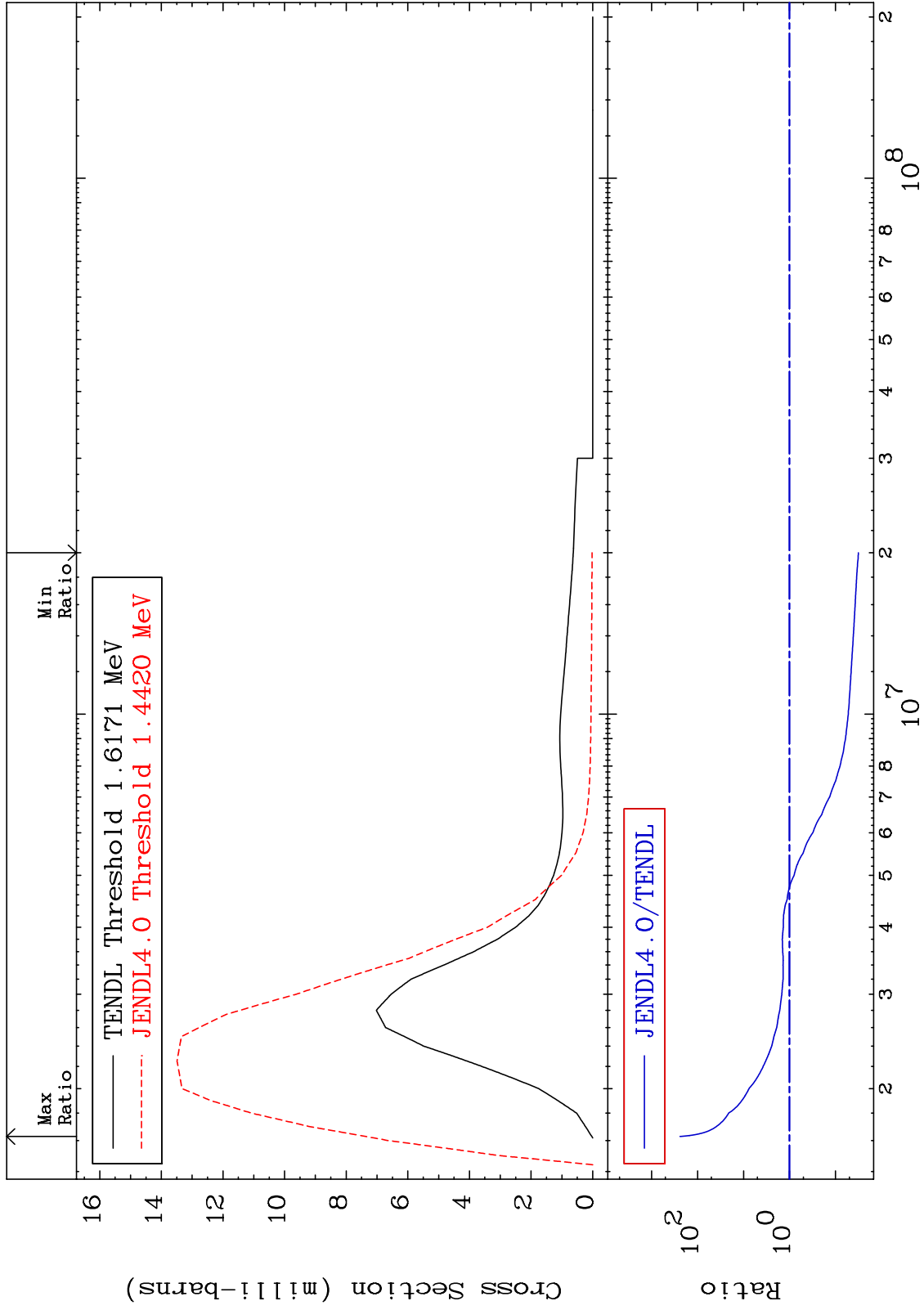
64-Gd-154
134.5 To 9999. %



MAT 6431

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

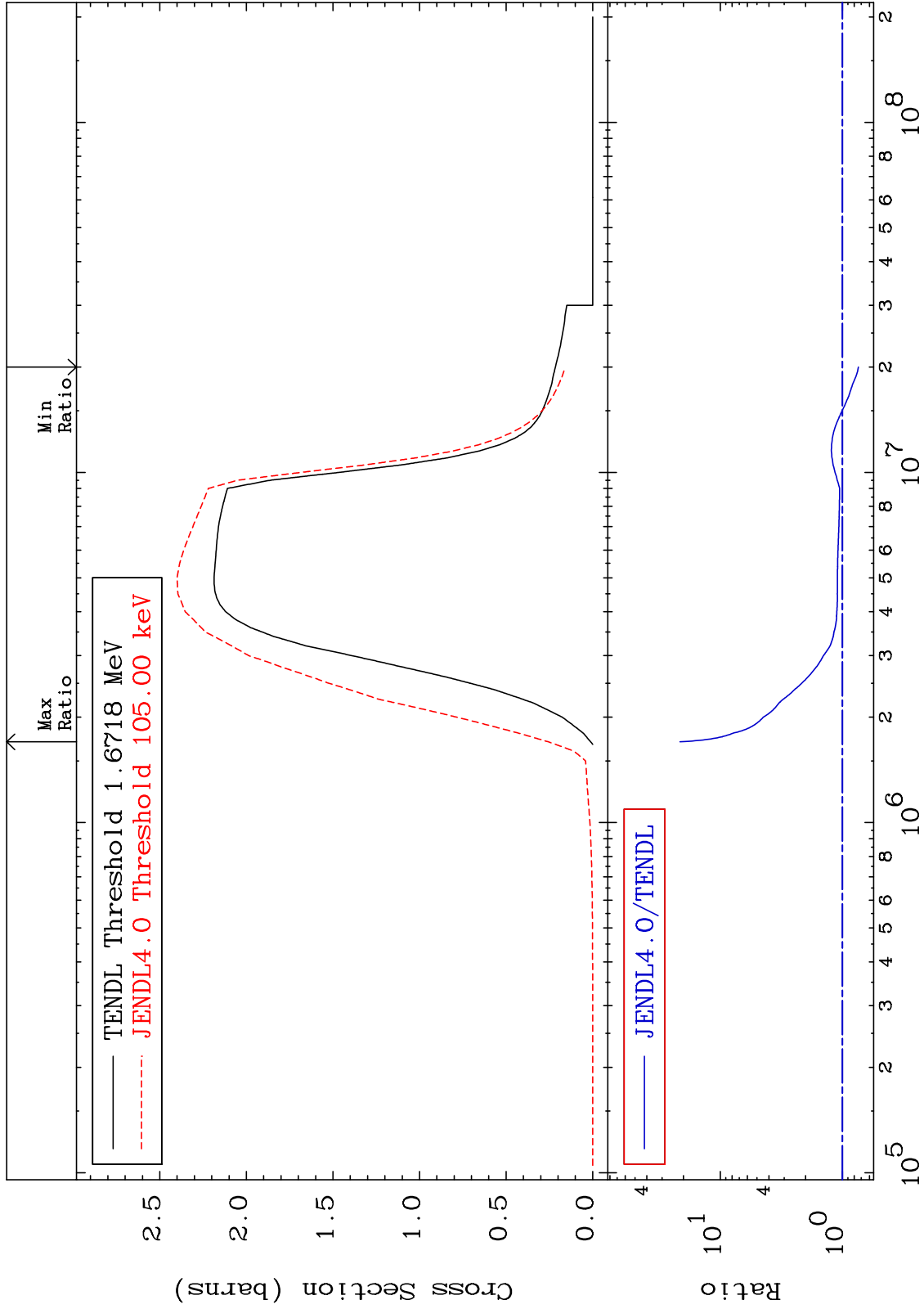
64-Gd-154
-96.82 To 9999. %



MAT 6431

(n,n') Continuum
Cross Section

64-Gd-154
-26.11 To 2036. %



35

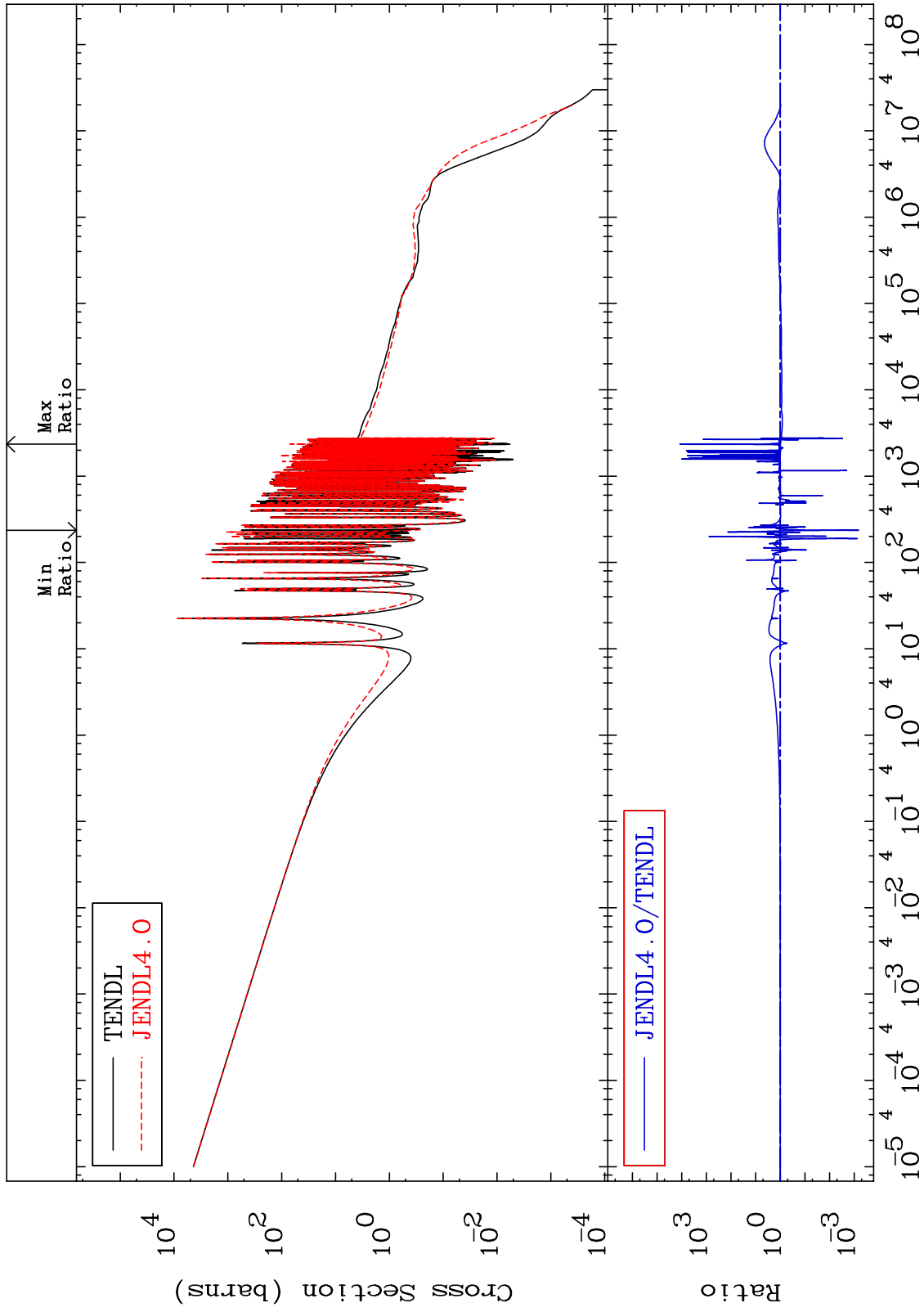
Incident Energy (eV)

64-Gd-154

MAT 6431

(n, γ)
Cross Section

64-Gd-154
-99.93 To 9999. %



36

Incident Energy (eV)

64-Gd-154

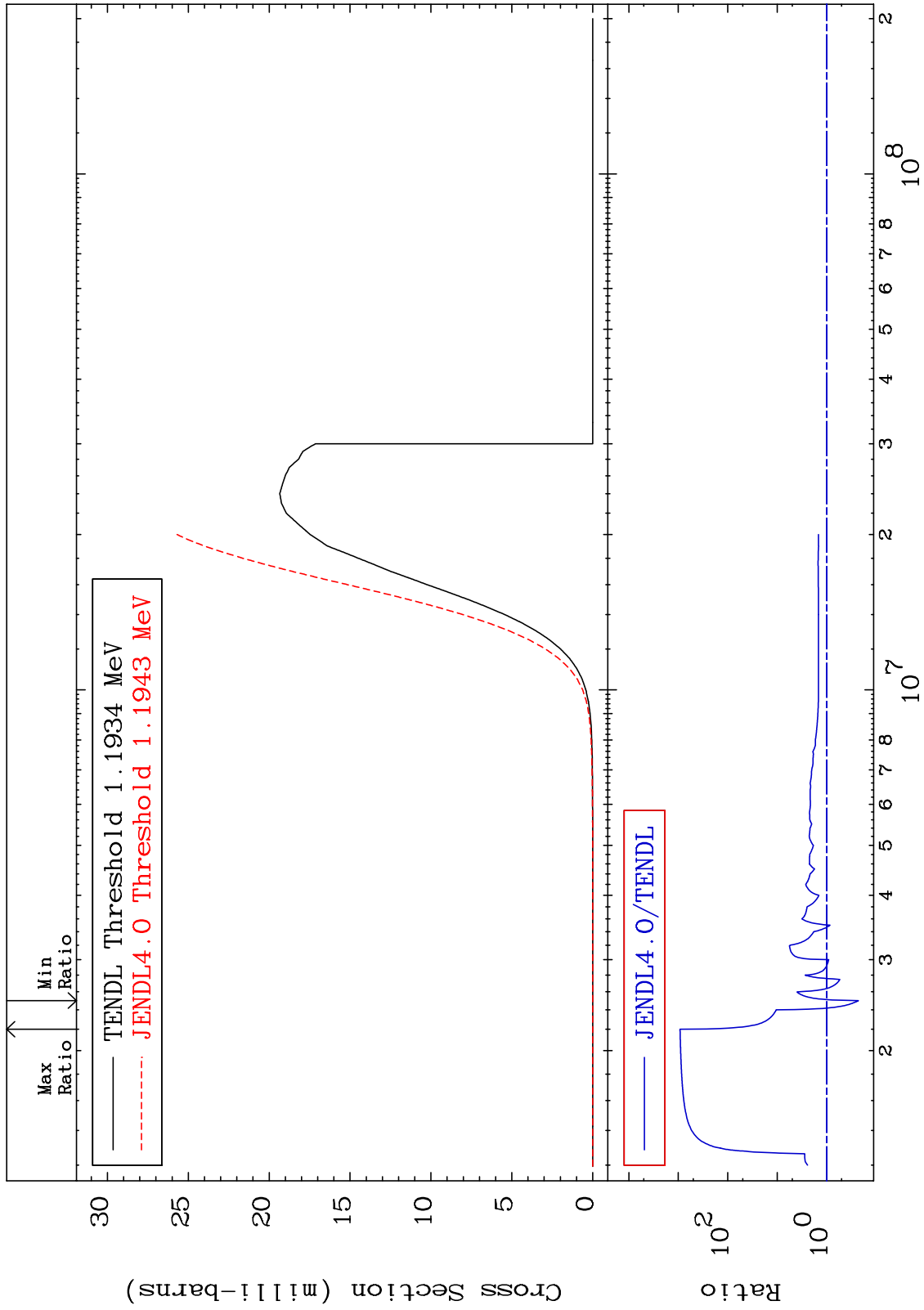
MAT 6431

(n, p)

64-Gd-154

Cross Section

-77.07 To 9999. %



37

Incident Energy (eV)

64-Gd-154

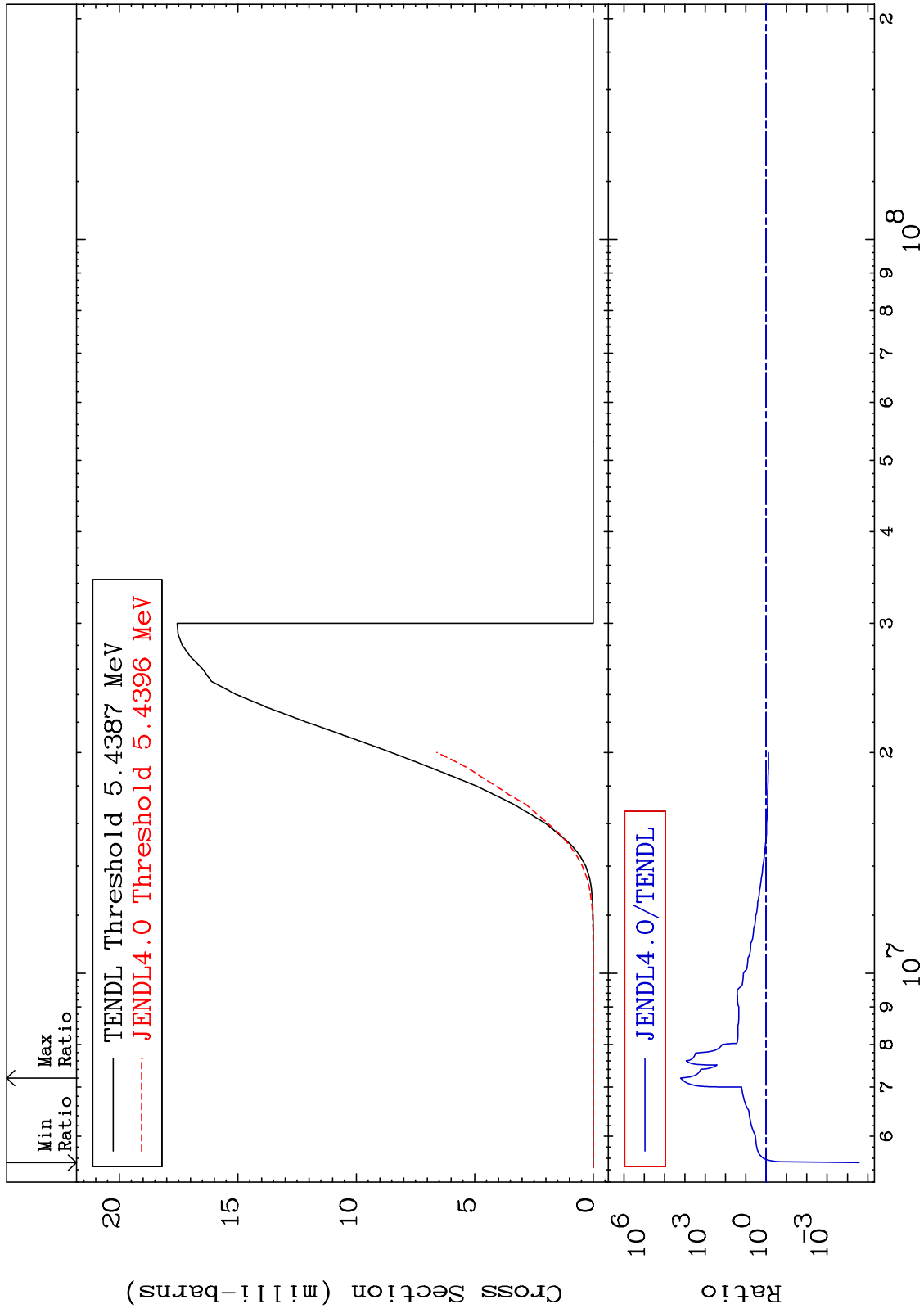
MAT 6431

(n, d)

64-Gd-154

Cross Section

-100.0 To 9999. %



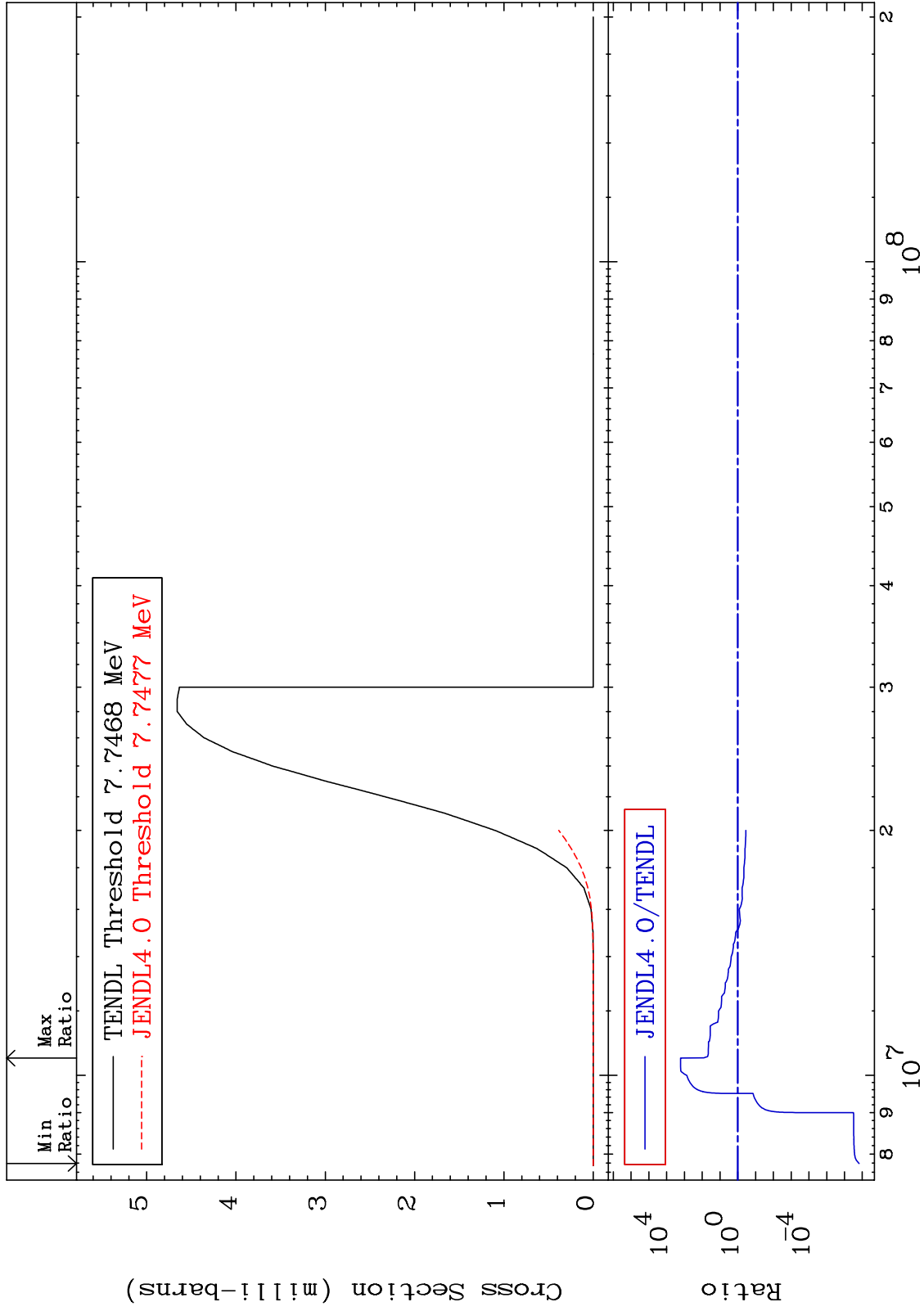
MAT 6431

(n, t)

64-Gd-154

Cross Section

-100.0 To 9999. %



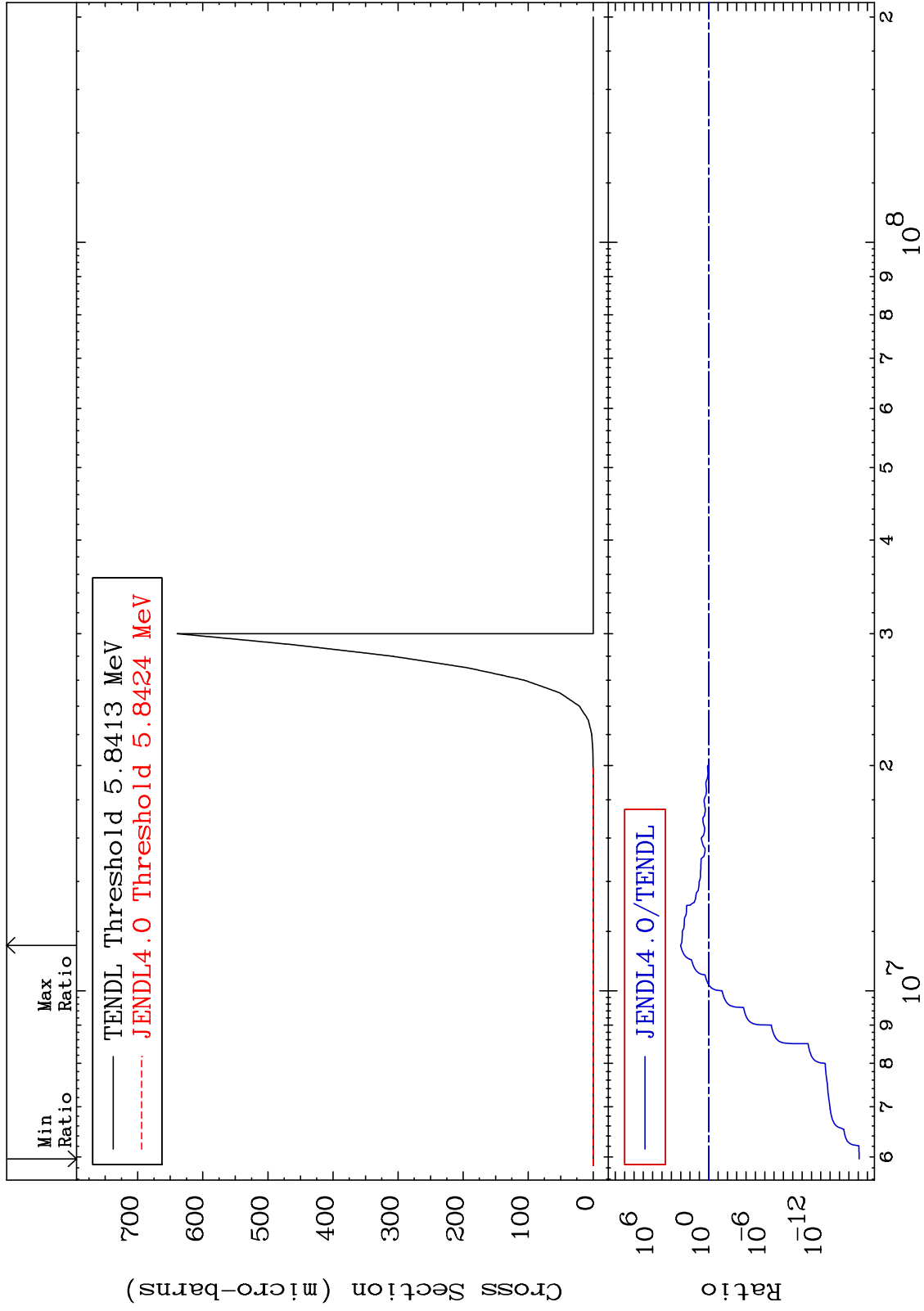
MAT 6431

(n, He-3)

64-Gd-154

Cross Section

-100.0 To 9999. %



40

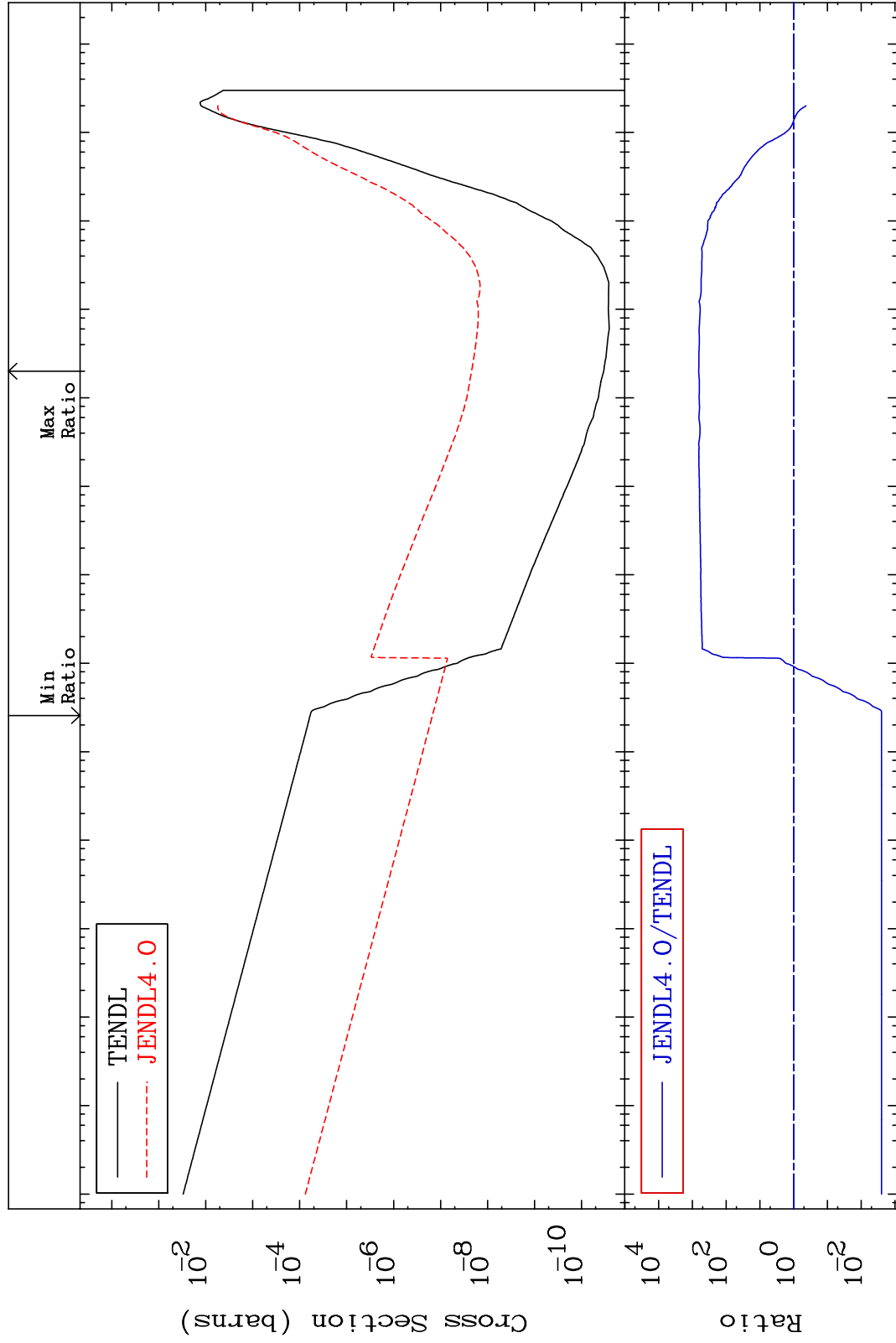
Incident Energy (eV)

64-Gd-154

MAT 6431

(n, α)
Cross Section

64-Gd-154
-99.75 To 9999. %



41

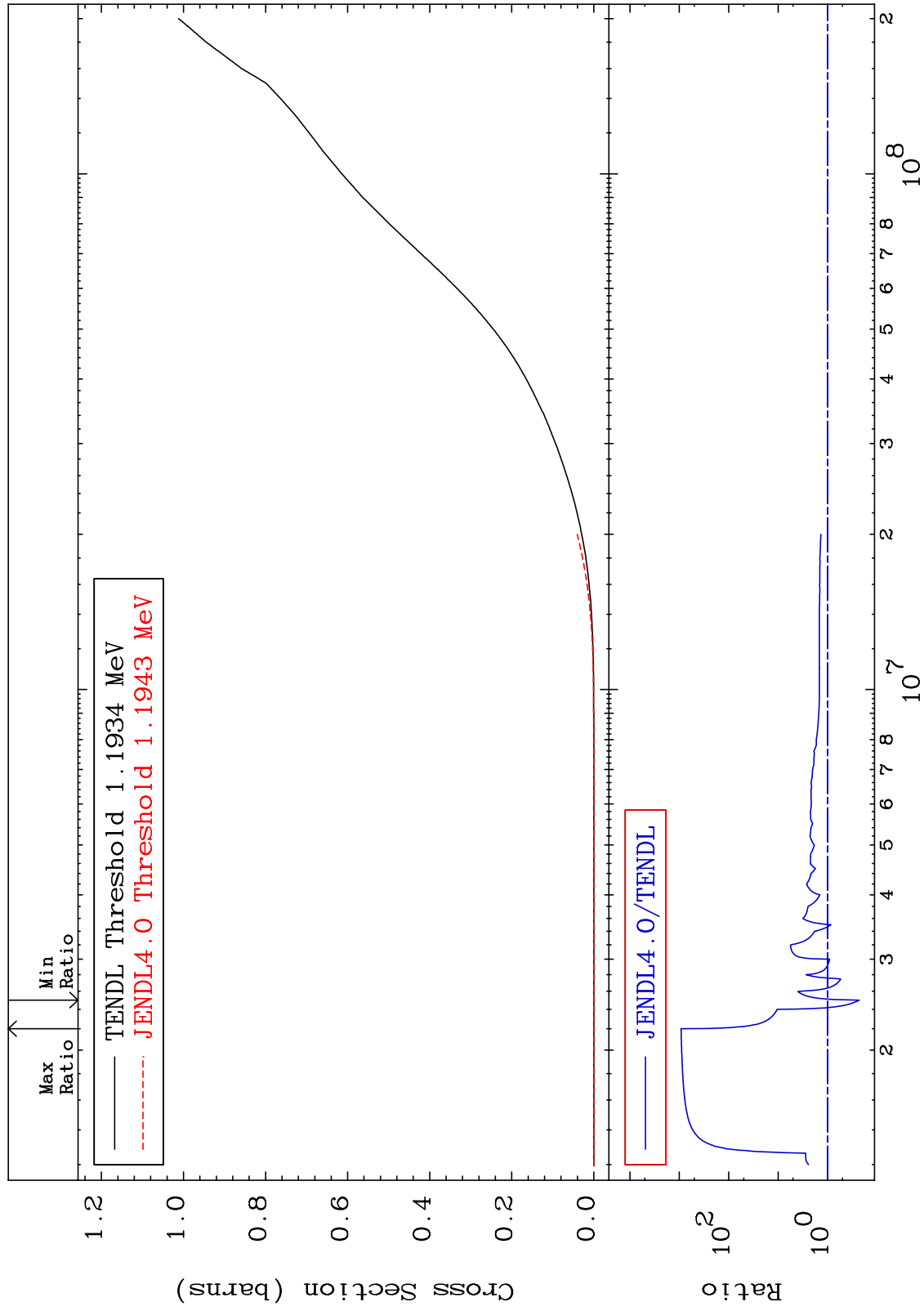
Incident Energy (eV)

64-Gd-154

MAT 6431

Hydrogen Production Cross Section

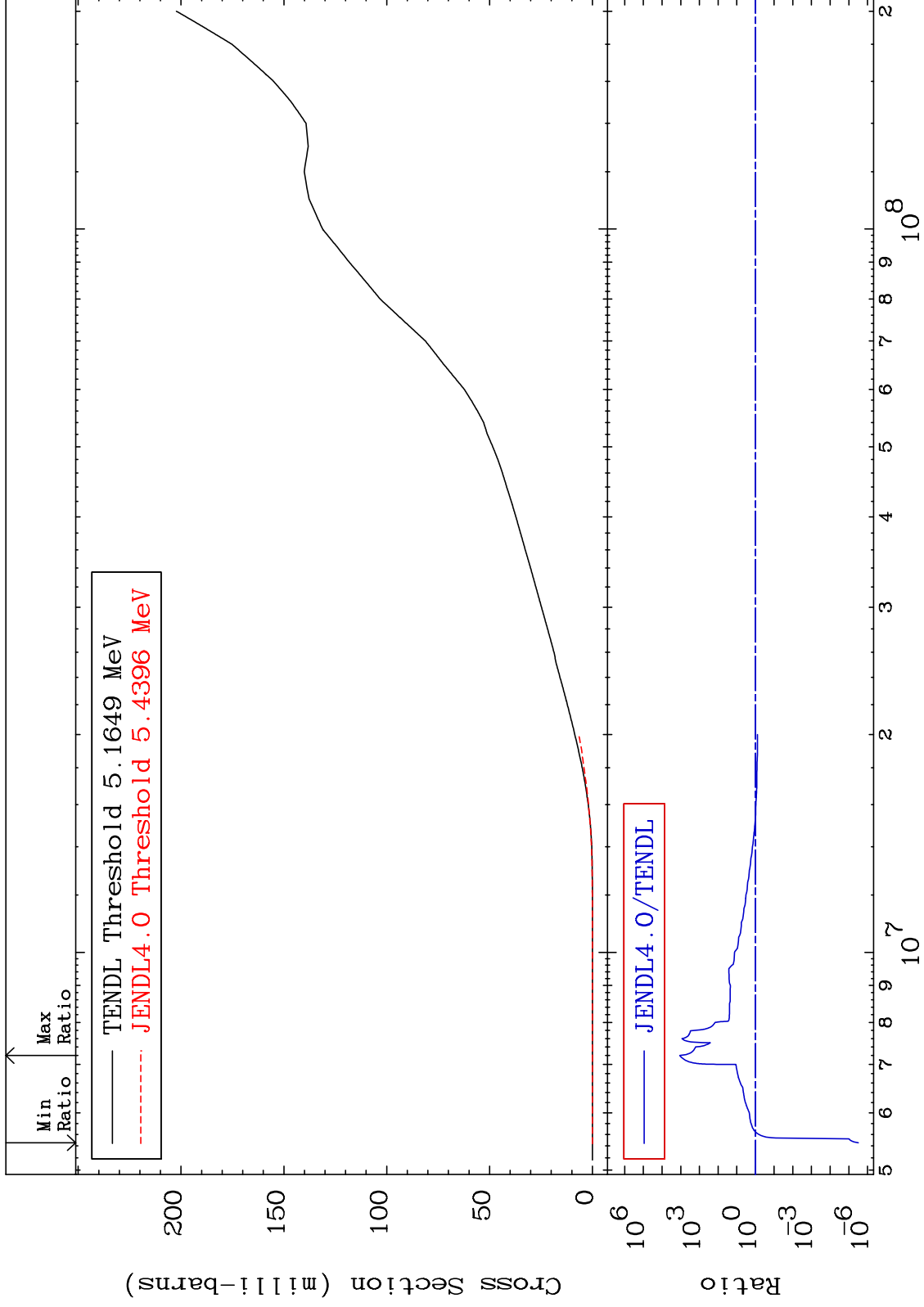
64-Gd-154
-77.07 To 9999. %



MAT 6431

Deuterium Production
Cross Section

64-Gd-154
-100.0 To 9999. %



43

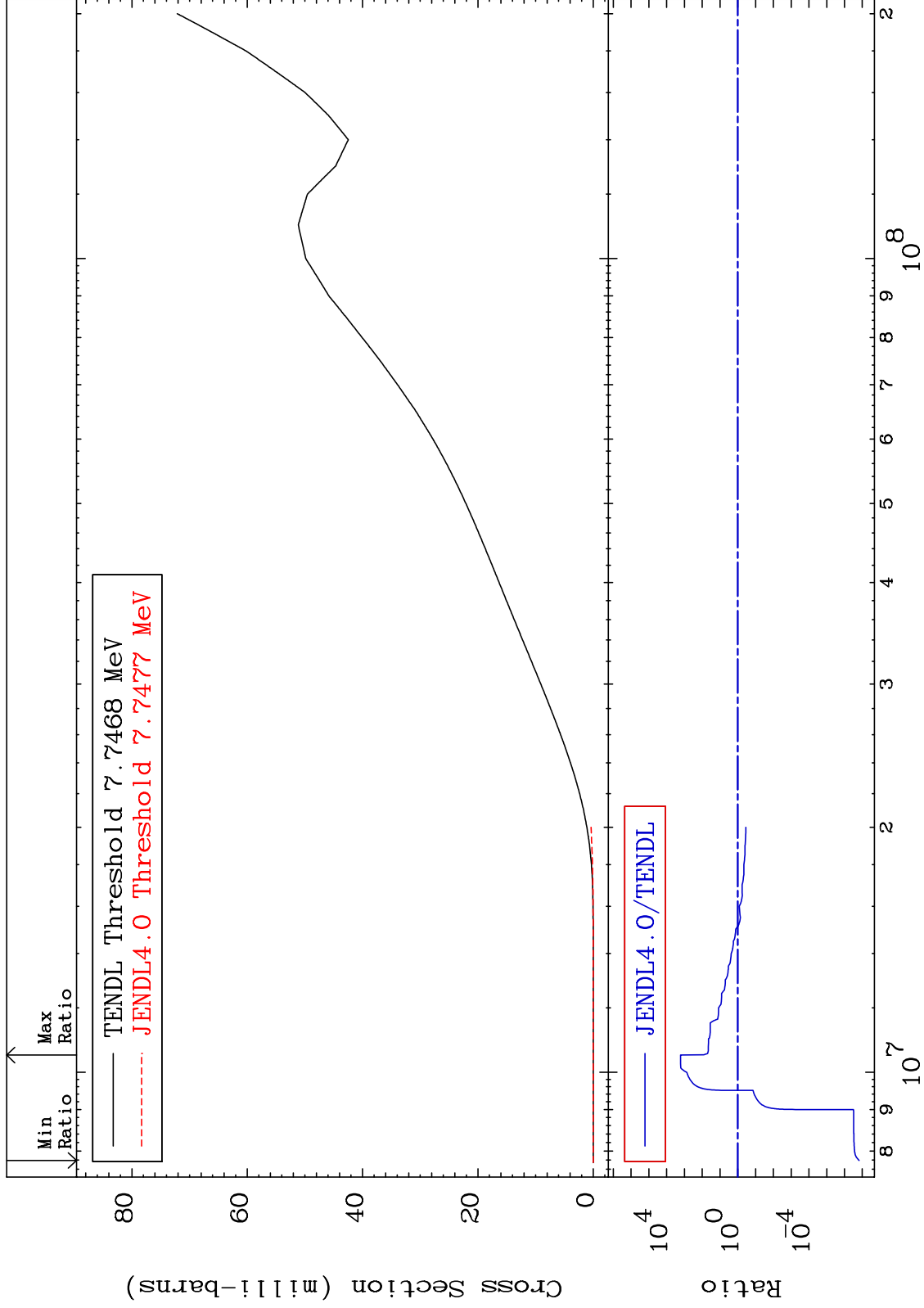
Incident Energy (eV)

64-Gd-154

MAT 6431

Tritium Production
Cross Section

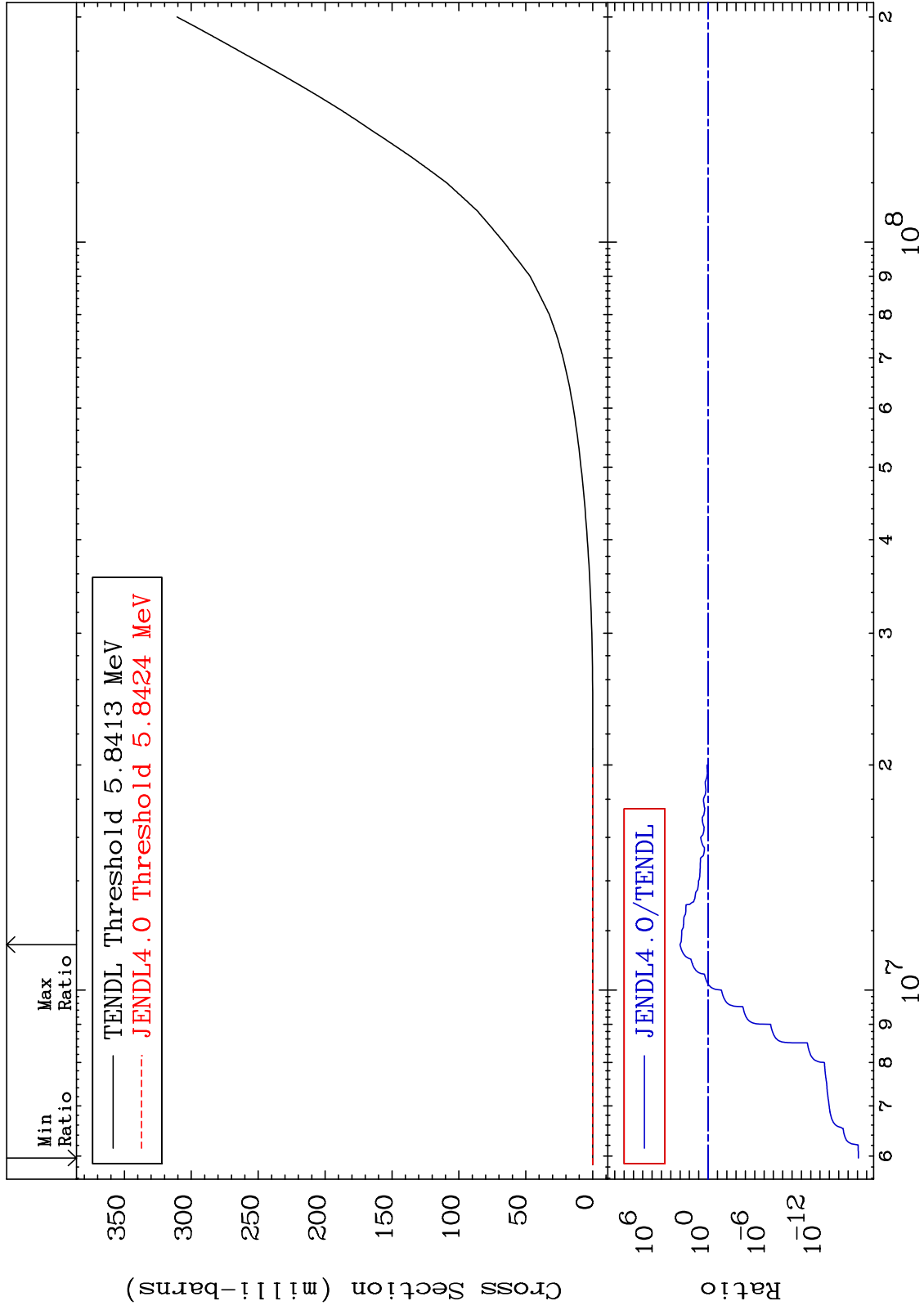
64-Gd-154
-100.0 To 9999. %



MAT 6431

He-3 Production
Cross Section

64-Gd-154
-100.0 To 9999. %



45

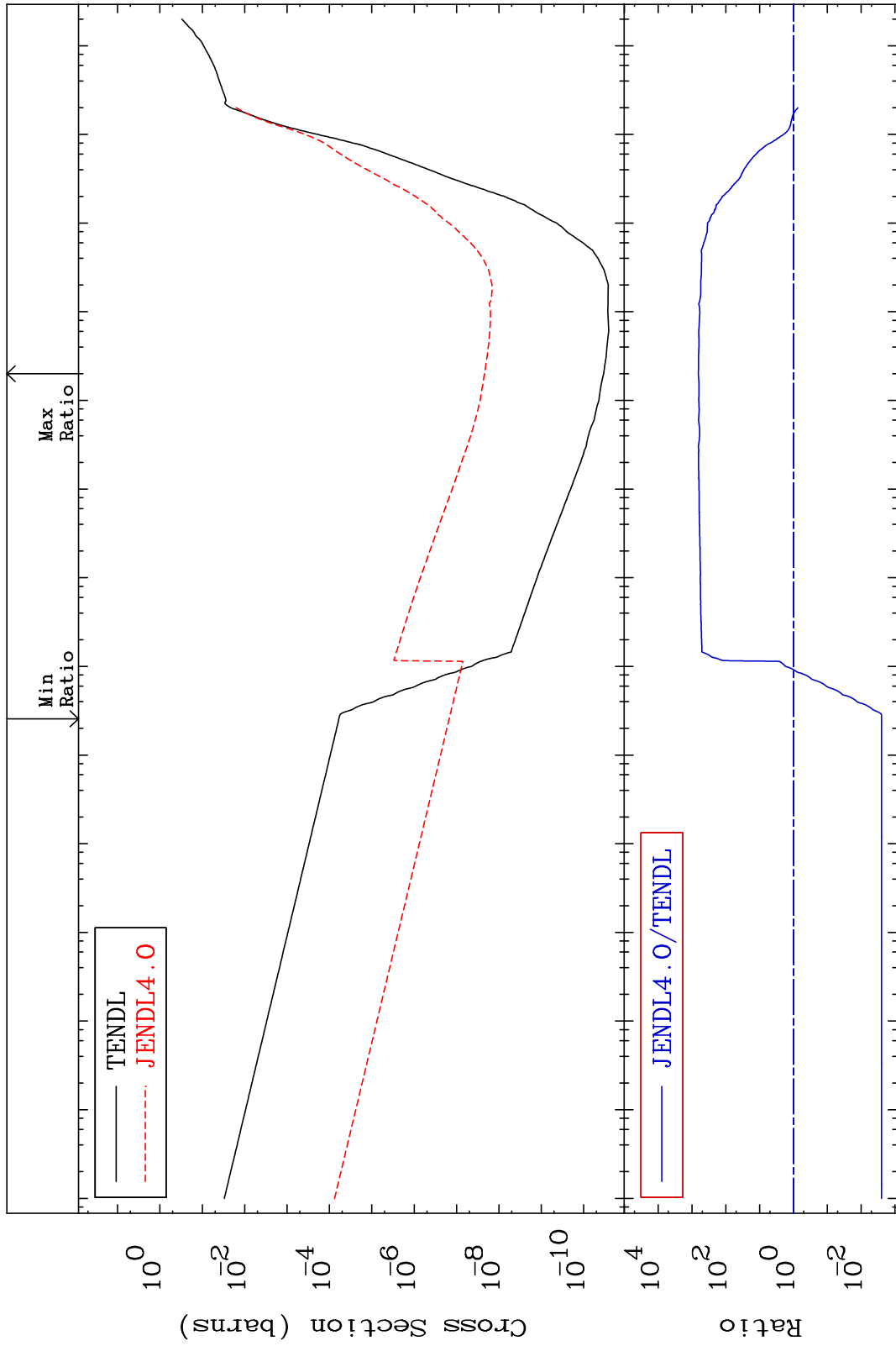
Incident Energy (eV)

64-Gd-154

MAT 6431

He-4 Production
Cross Section

64-Gd-154
-99.75 To 9999. %



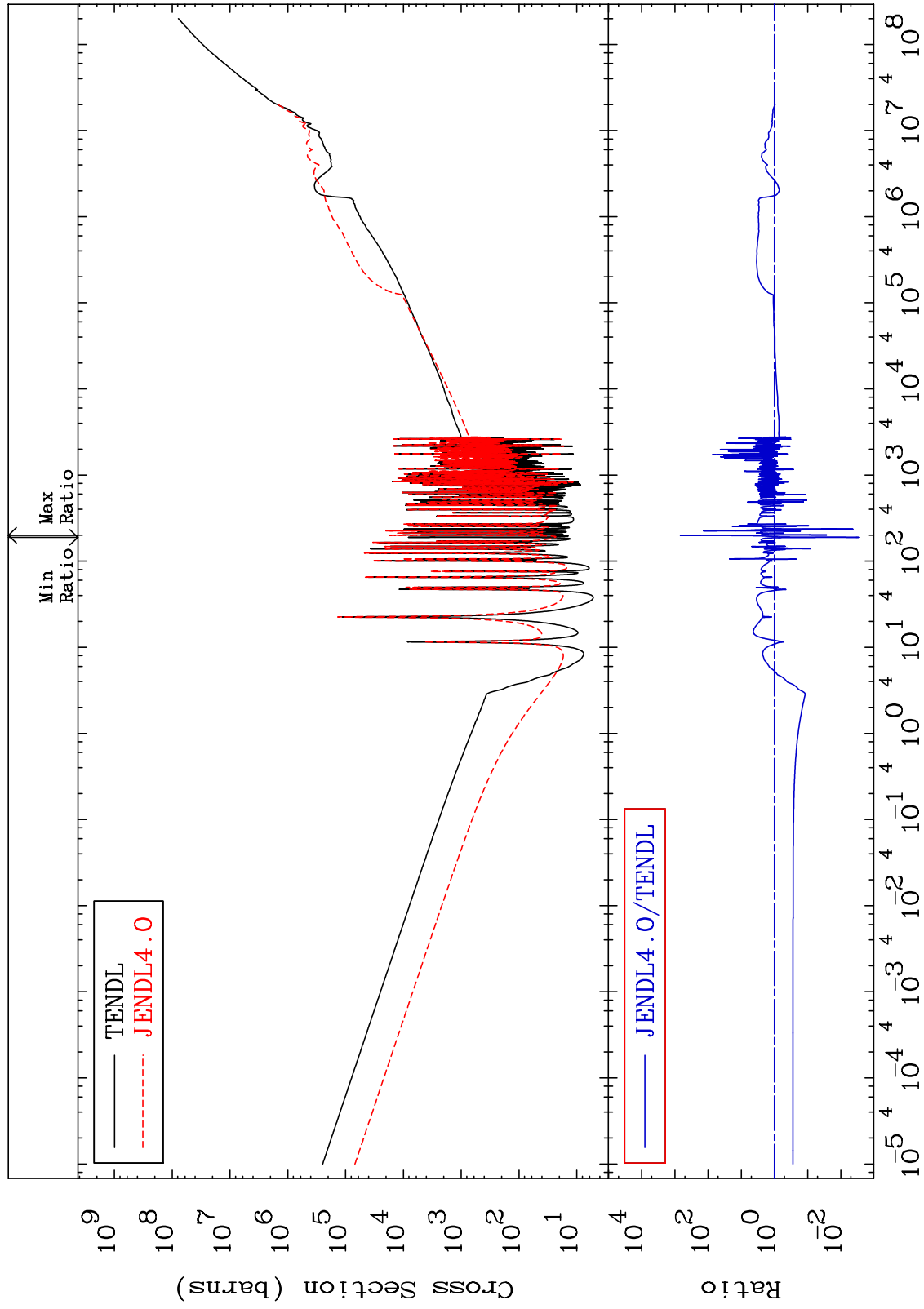
46

64-Gd-154

MAT 6431

Kerma total (eV-barns)
Cross Section

64-Gd-154
-99.71 To 9999. %



47

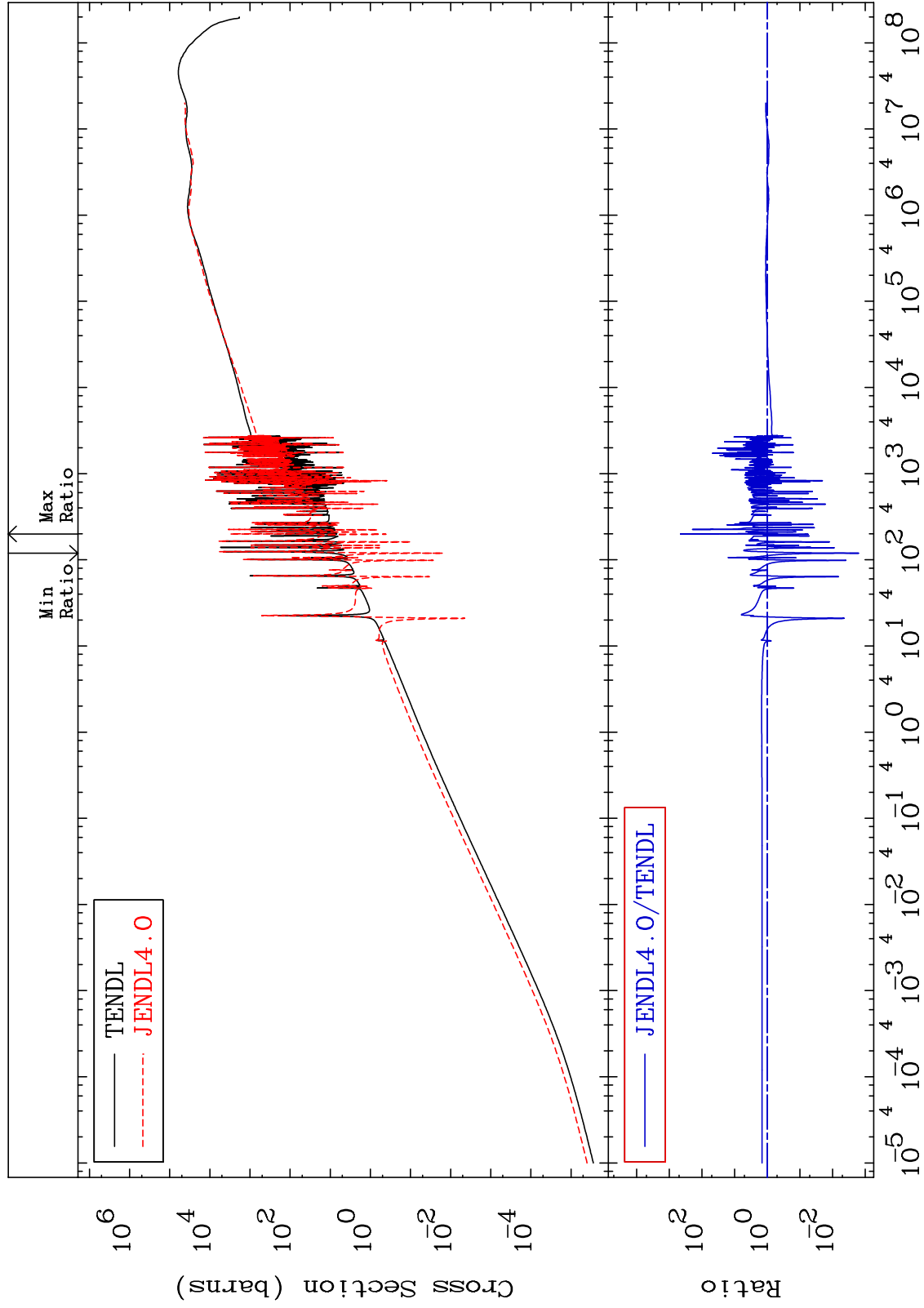
Incident Energy (eV)

64-Gd-154

MAT 6431

Kerma elastic
Cross Section

64-Gd-154
-99.84 To 9999. %



48

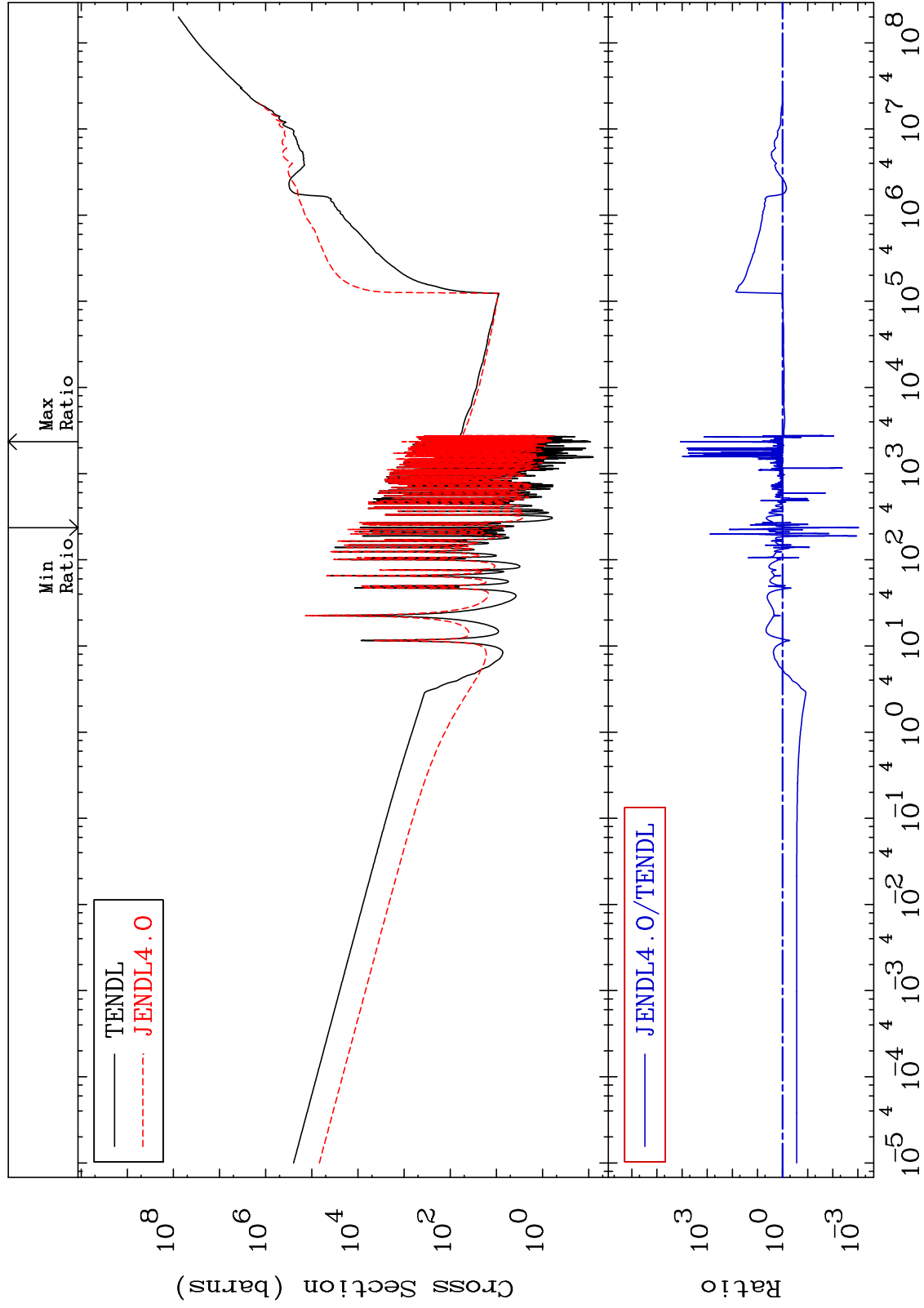
Incident Energy (eV)

64-Gd-154

MAT 6431

Kerma non-elastic (all but mt2)
Cross Section

64-Gd-154
-99.91 To 9999. %



49

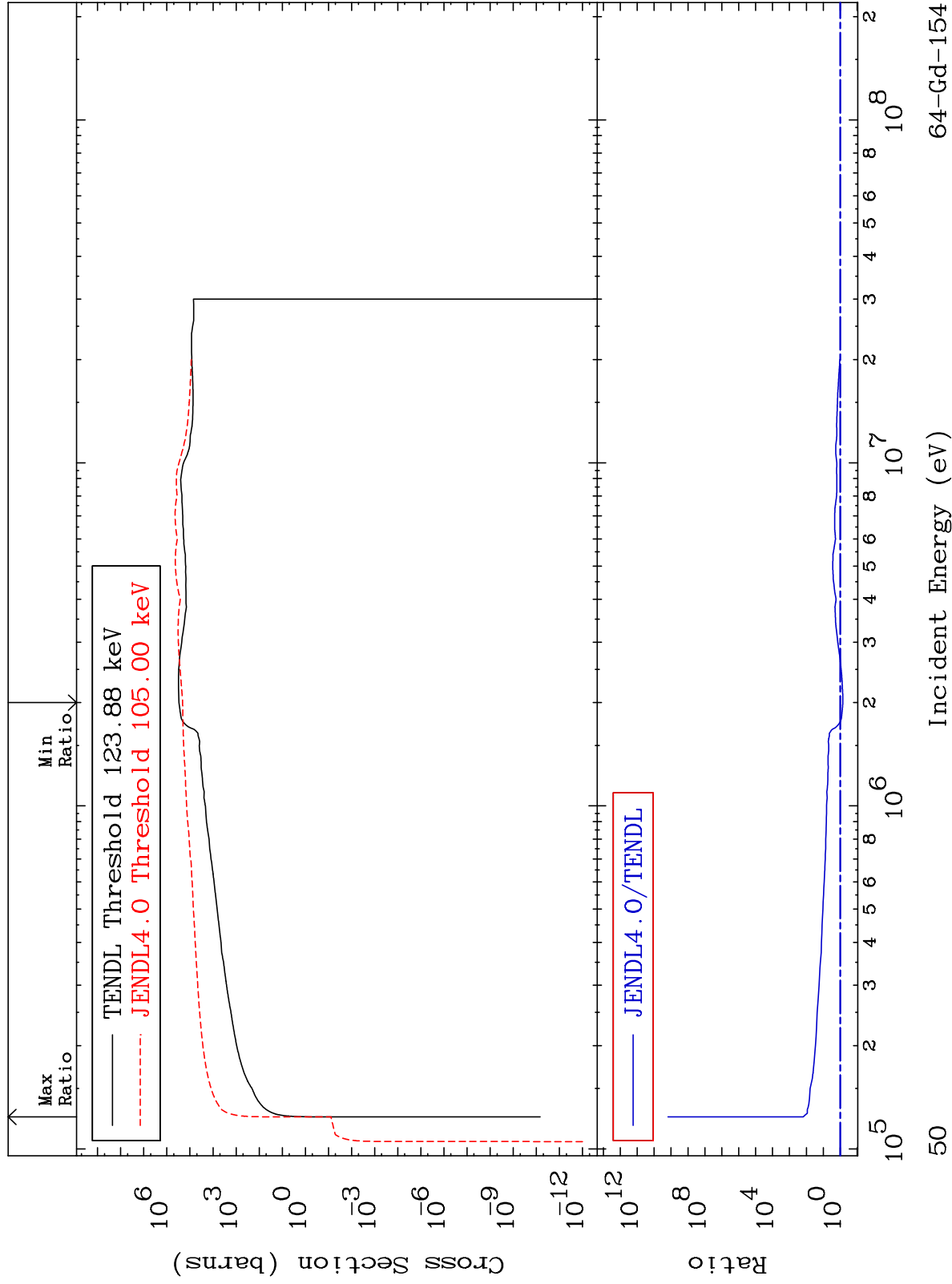
Incident Energy (eV)

64-Gd-154

MAT 6431

Kerma inelastic (mt51-91)
Cross Section

64-Gd-154
-30.36 To 9999. %



64-Gd-154

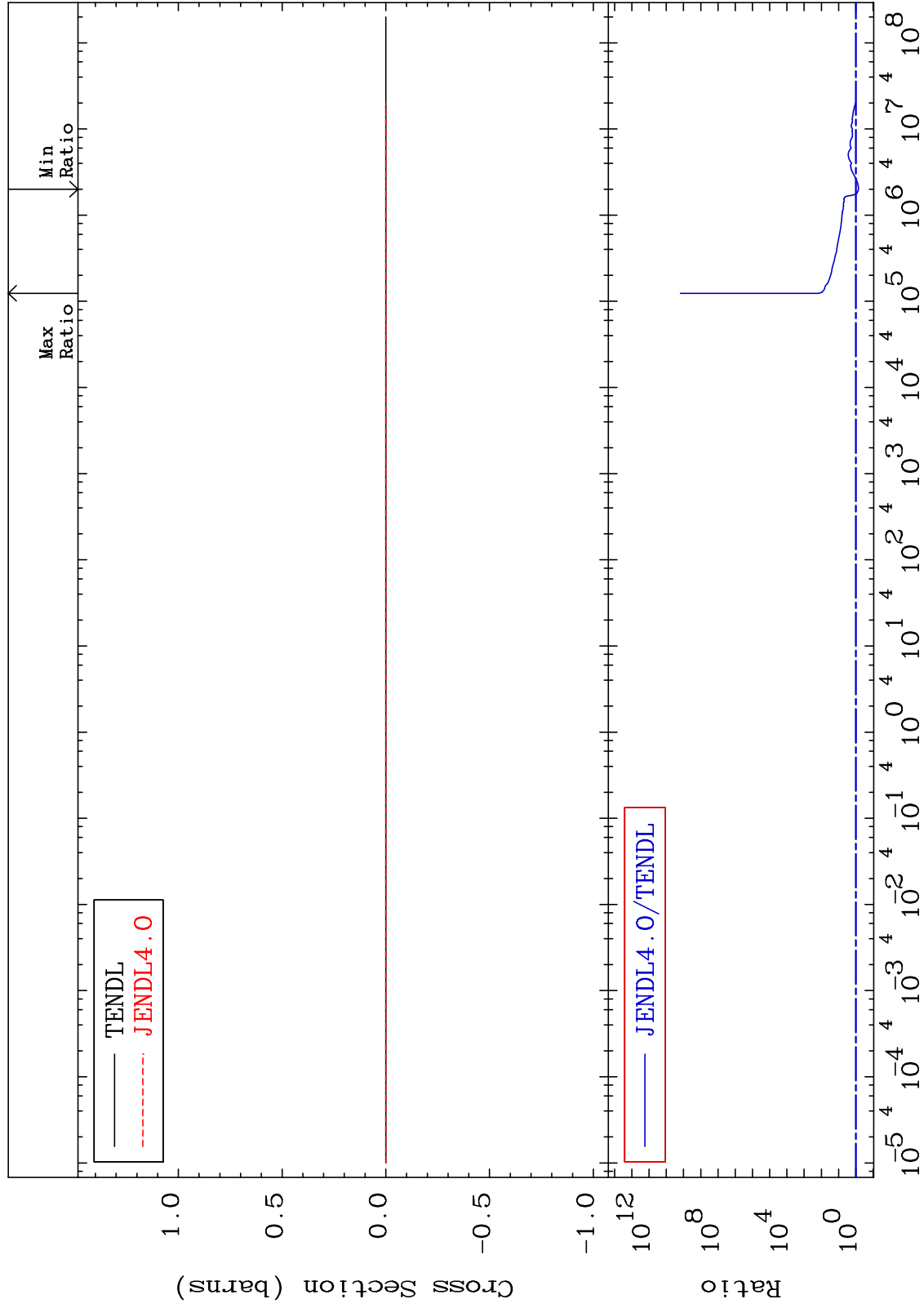
Incident Energy (eV)

50

MAT 6431

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

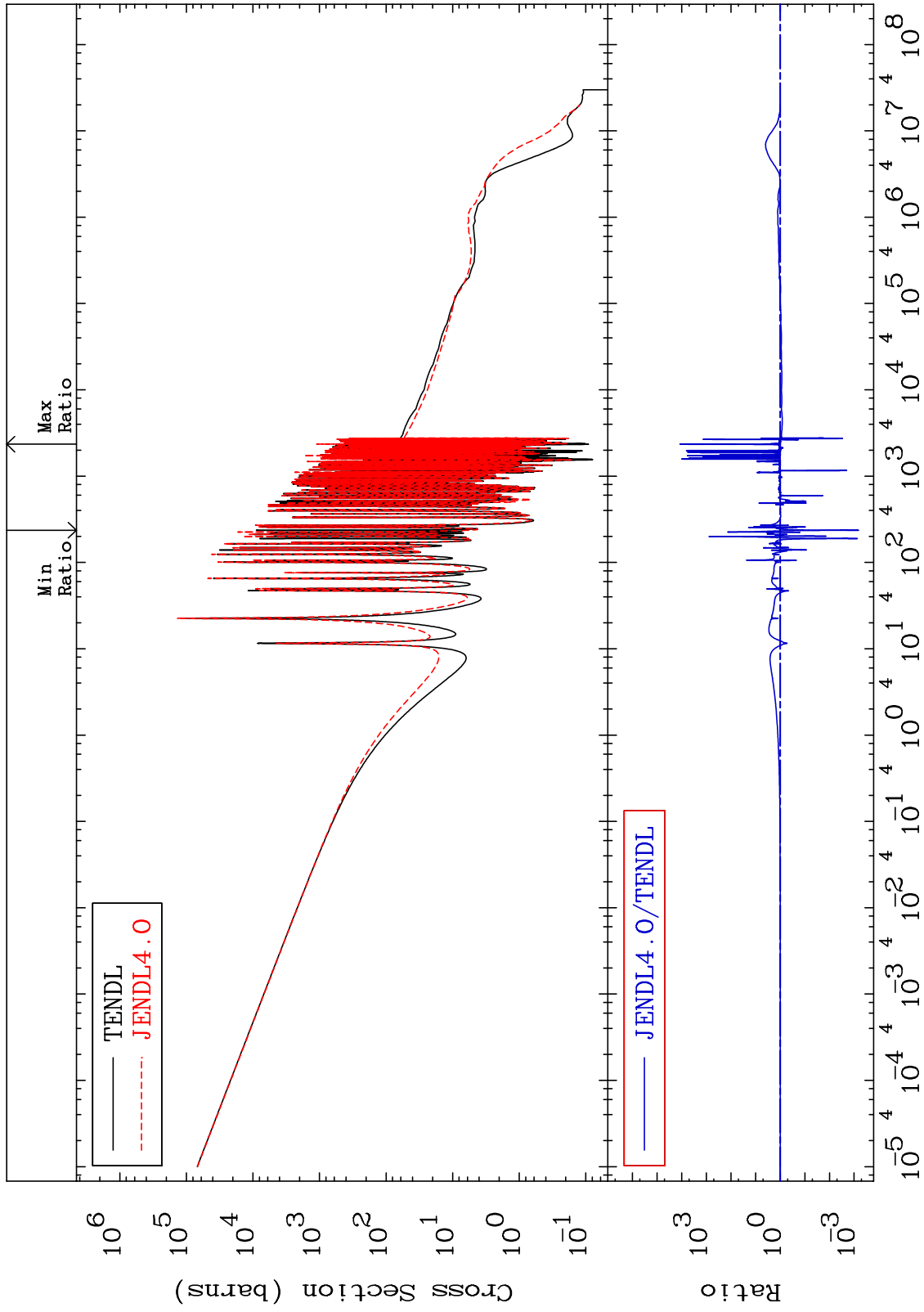
64-Gd-154
-30.36 To 9999. %



MAT 6431

Kerma capture (mt102)
Cross Section

64-Gd-154
-99.93 To 9999. %



52

Incident Energy (eV)

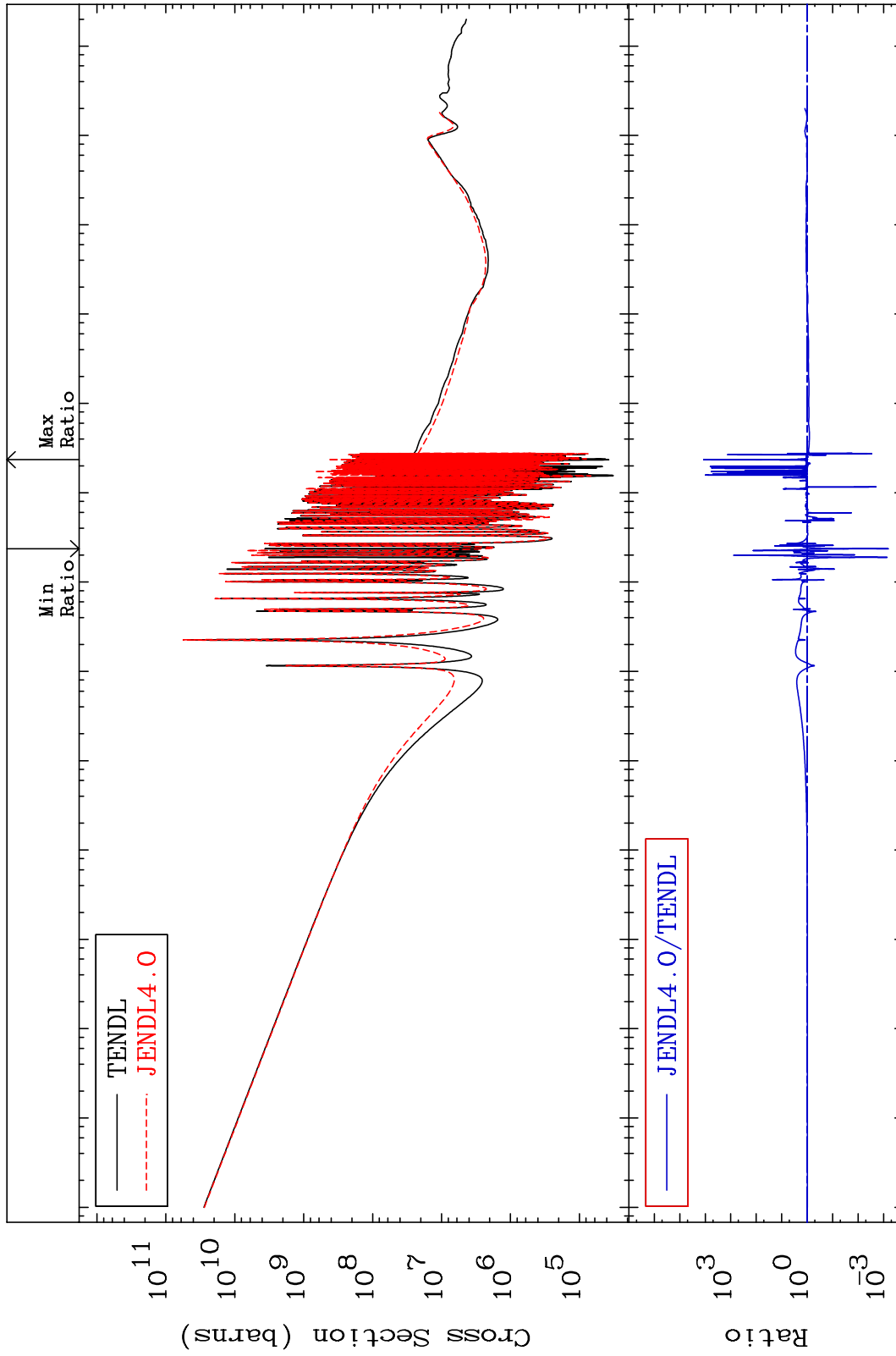
64-Gd-154

MAT 6431

Total photon (eV-barns)
Cross Section

64-Gd-154

-99.93 To 9999. %



Incident Energy (eV)

64-Gd-154

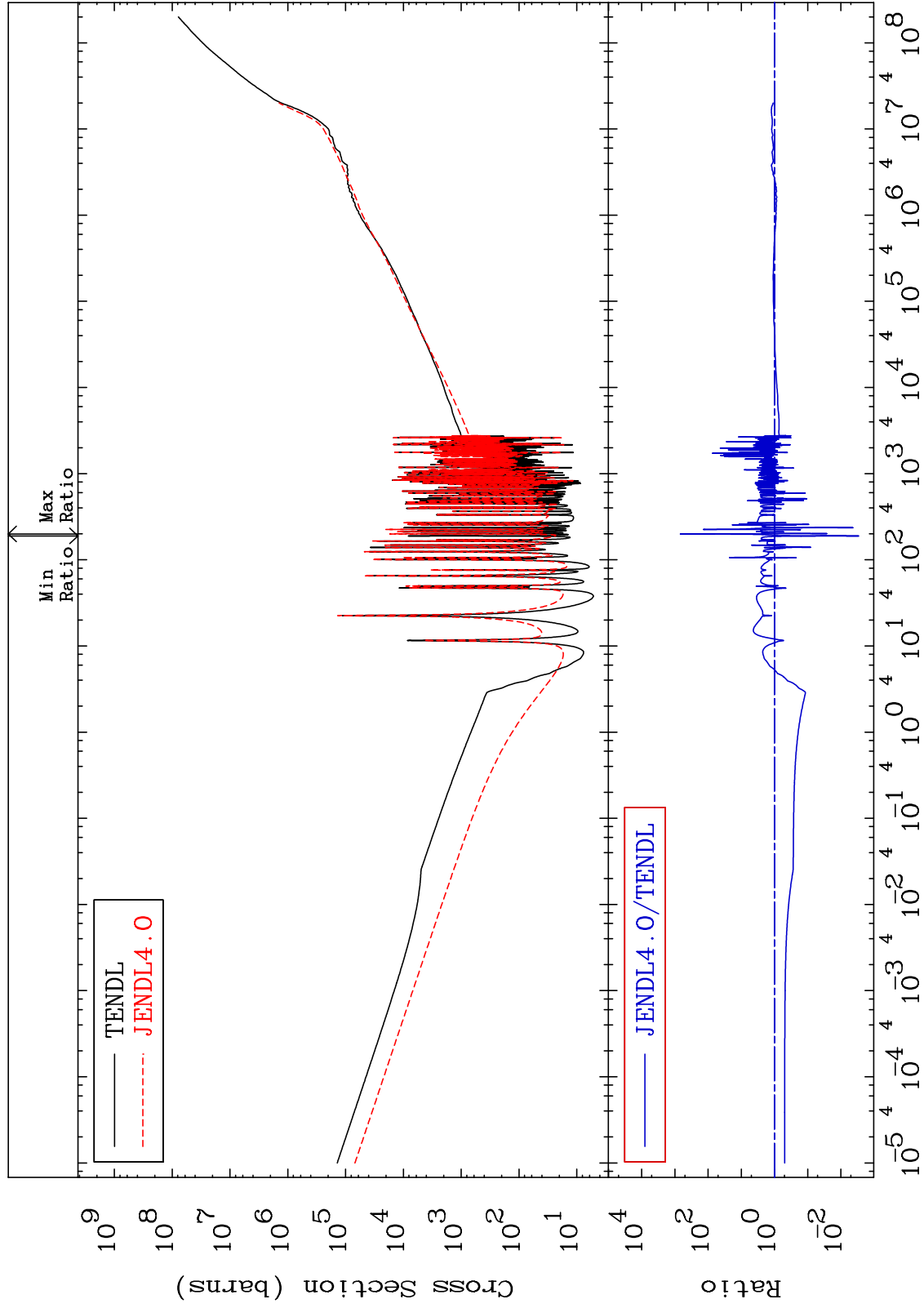
MAT 6431

Total kinematic kerma (high limit)

64-Gd-154

-99.71 To 9999. %

Cross Section



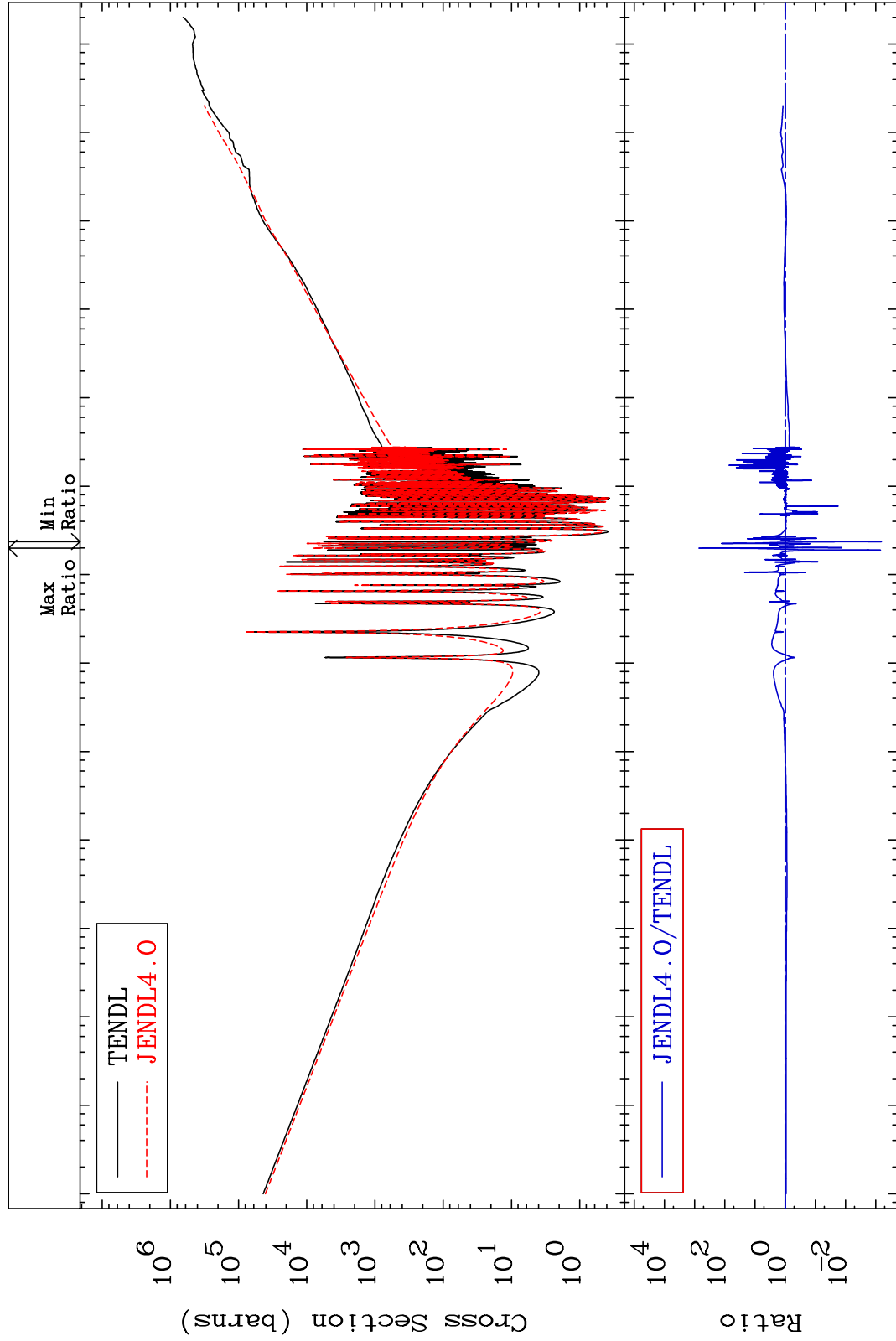
MAT 6431

Dpa total (eV-barns)

64-Gd-154

-99.94 To 9999. %

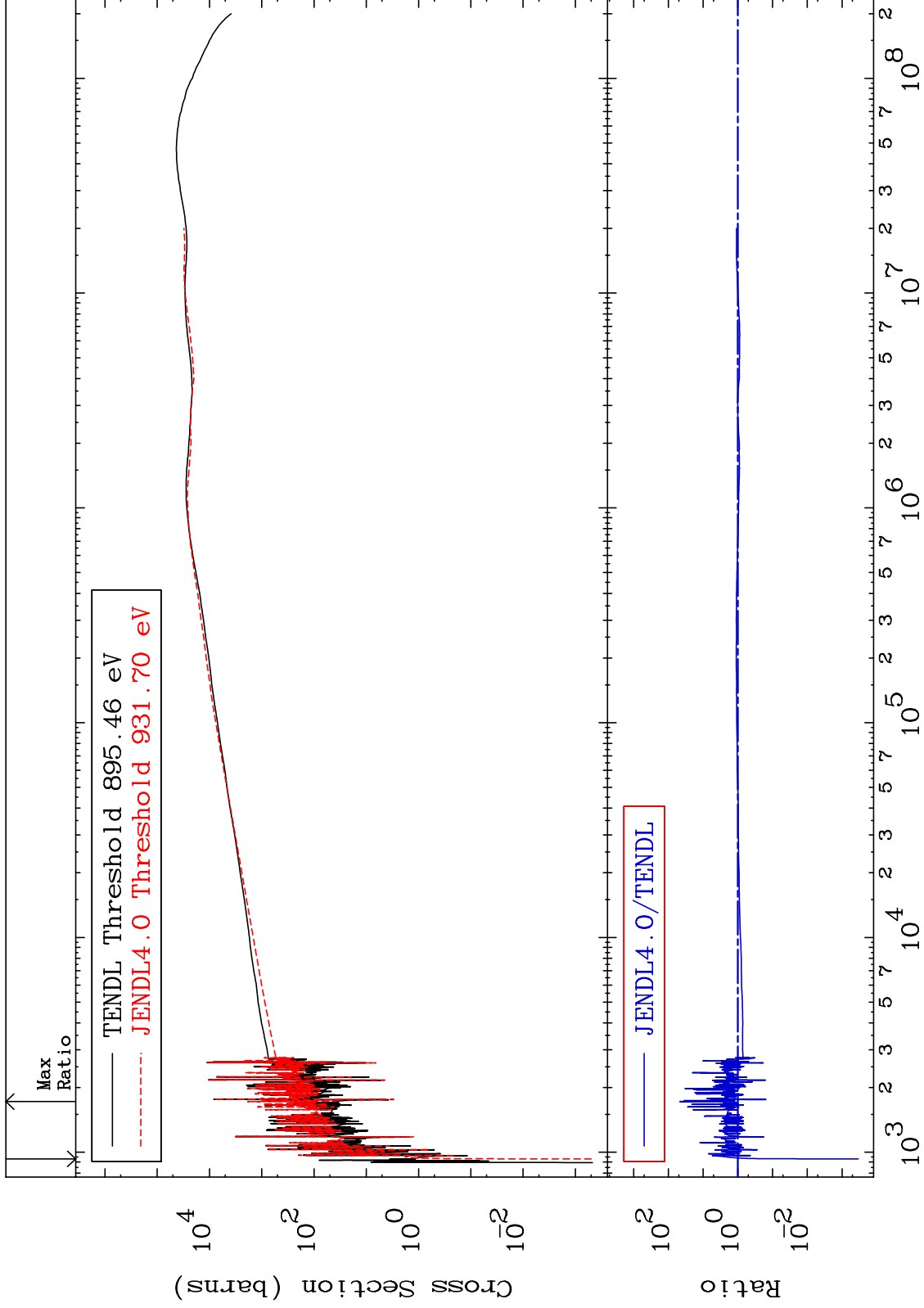
Cross Section



MAT 6431

Dpa elastic (mt2)
Cross Section

64-Gd-154
-99.97 To 4607. %



56

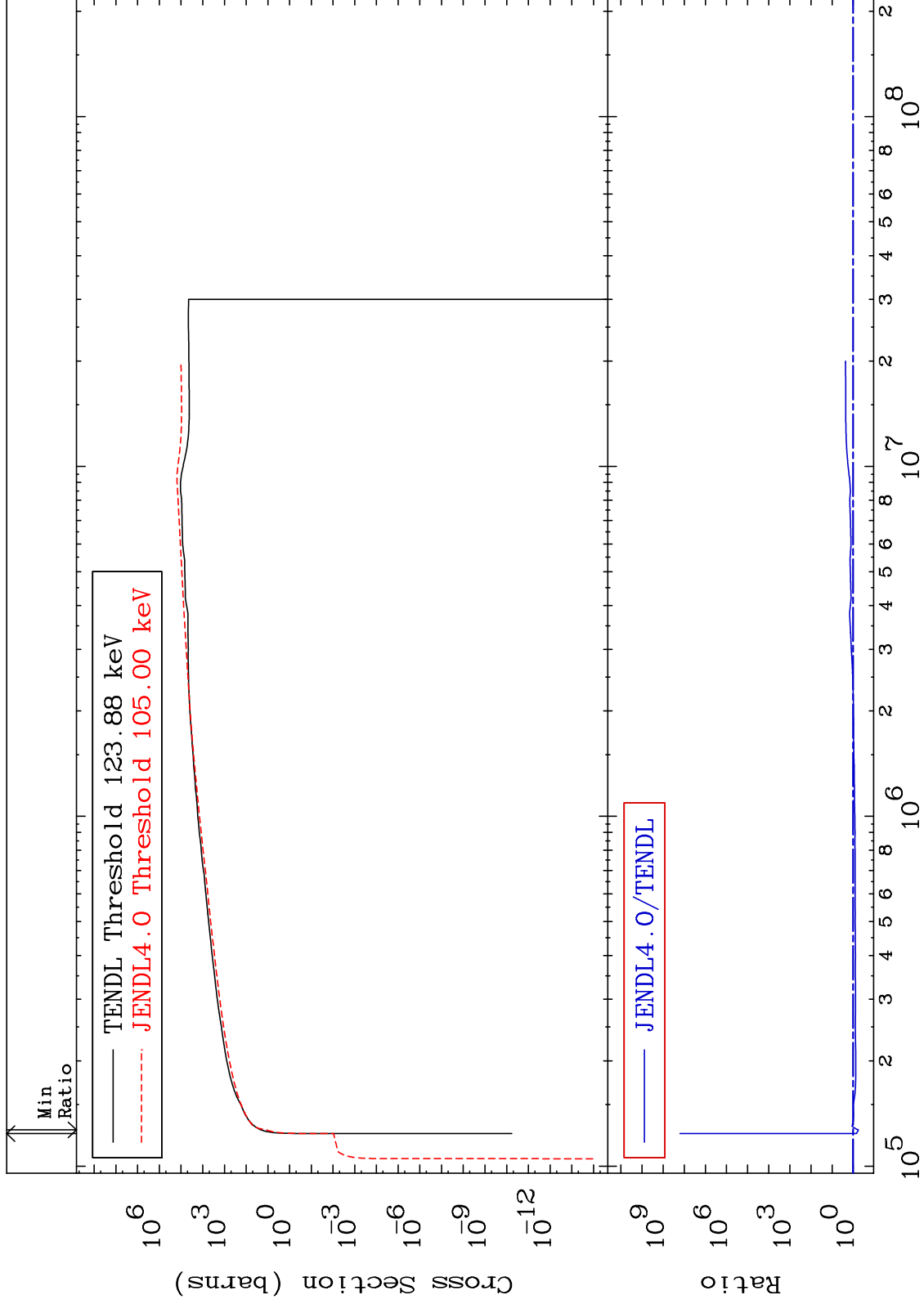
Incident Energy (eV)

64-Gd-154

MAT 6431

Dpa inelastic (mt51-91)
Cross Section

64-Gd-154
-43.18 To 9999. %



57

Incident Energy (eV)

64-Gd-154

MAT 6431

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-154
-99.94 To 9999. %

