

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

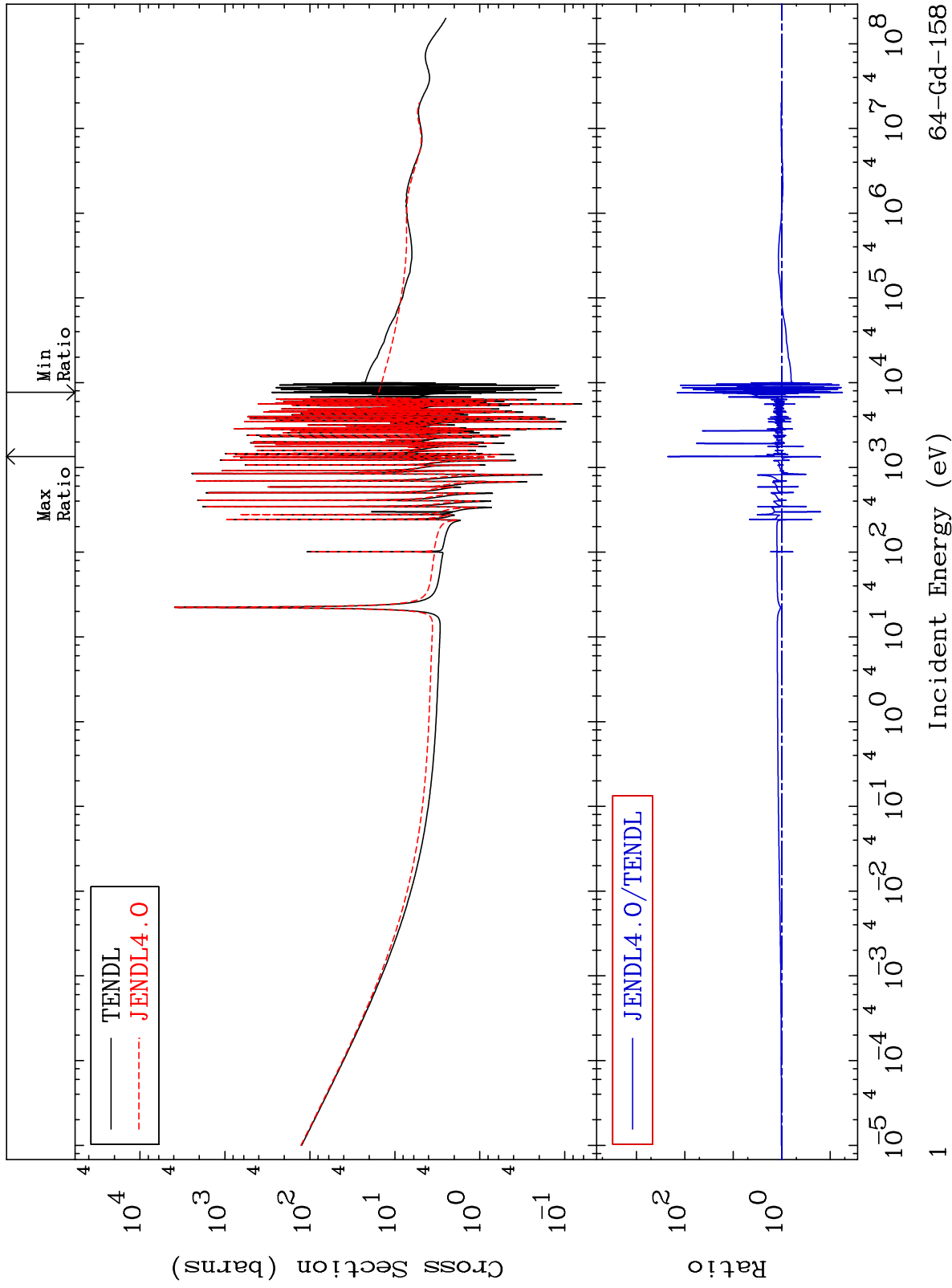
MAT 6443

Total

64-Gd-158

Cross Section

-94.47 To 9999. %



64-Gd-158

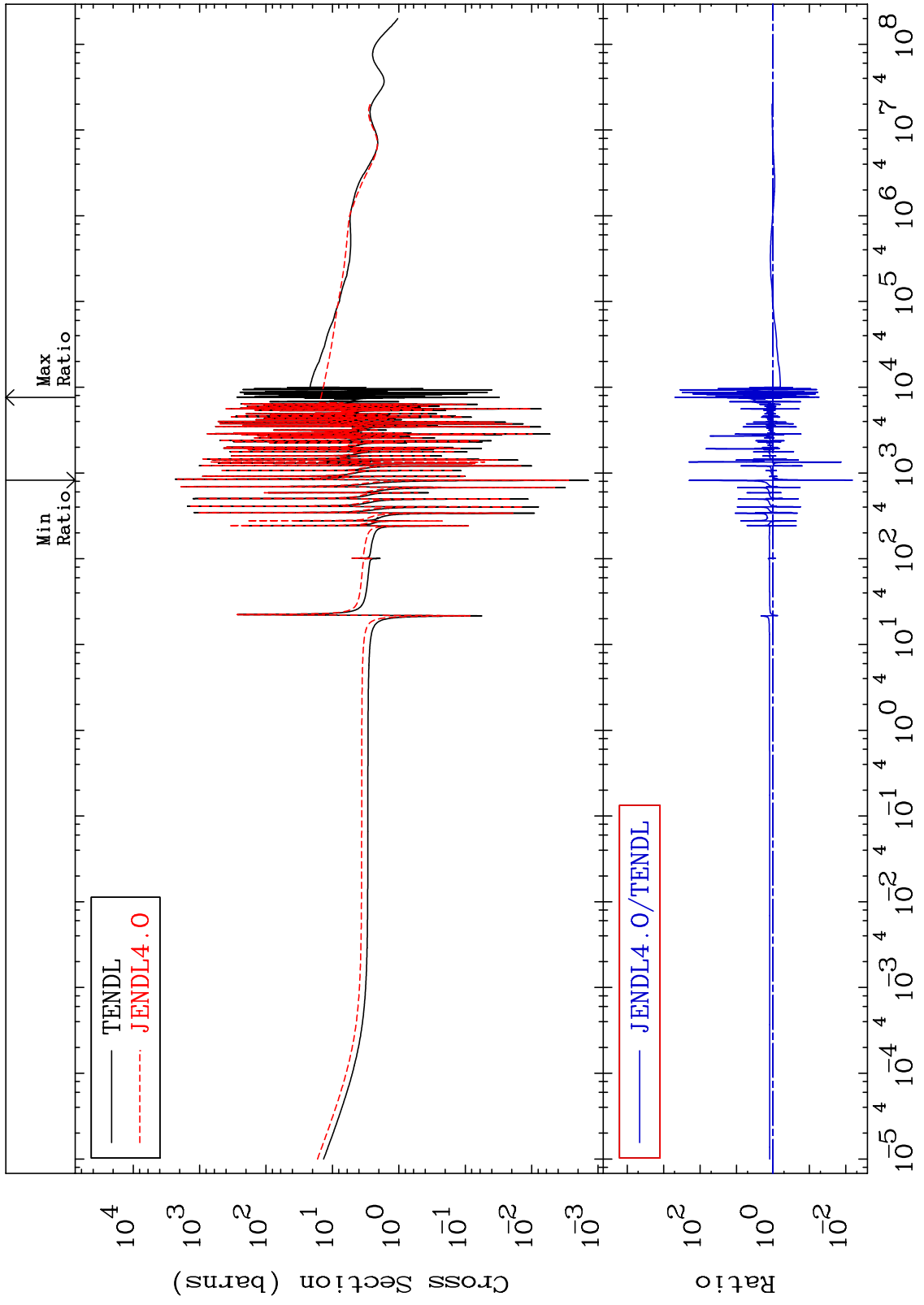
Incident Energy (eV)

1

MAT 6443

Elastic
Cross Section

64-Gd-158
-99.33 To 9999. %



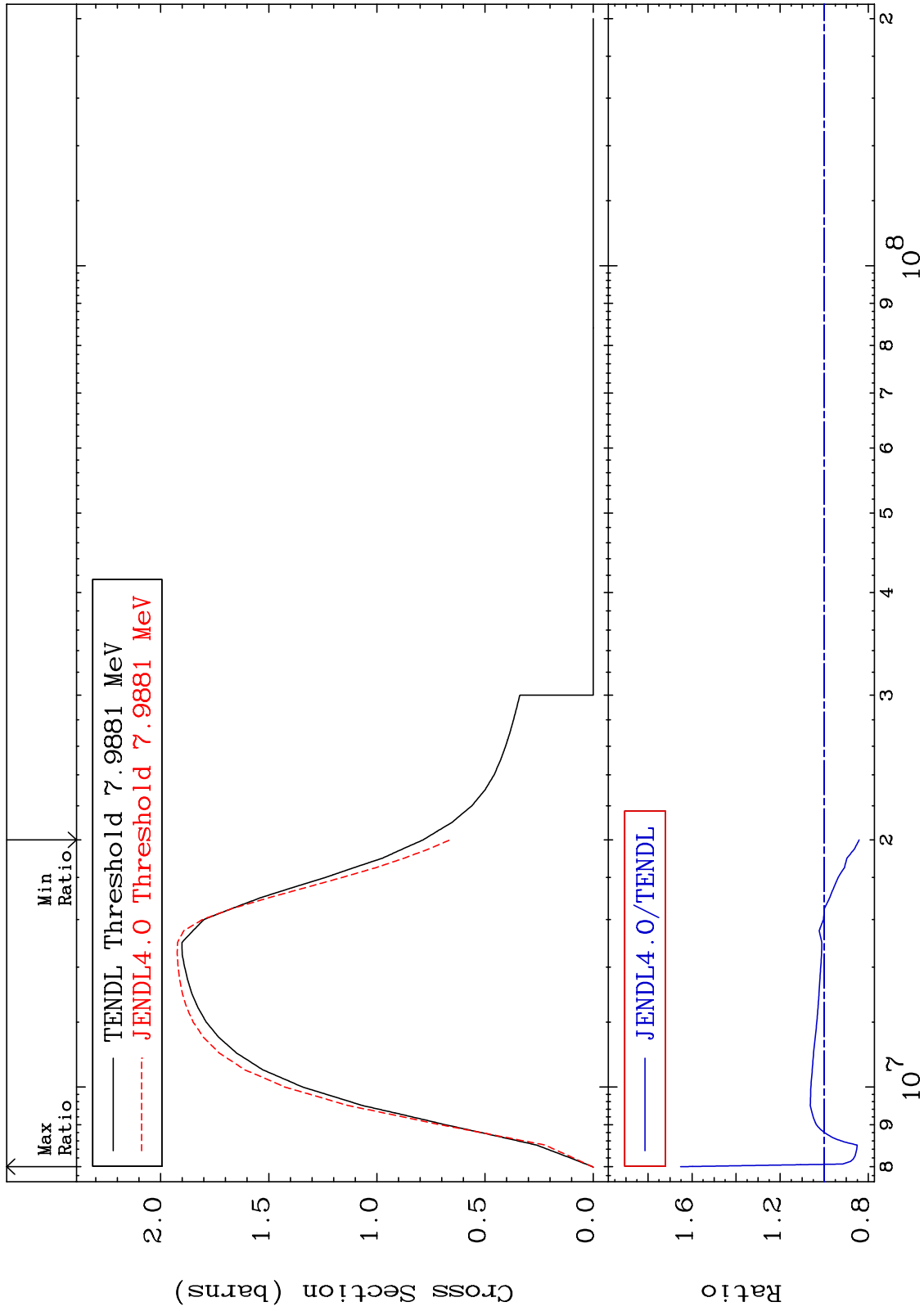
MAT 6443

(n,2n)

64-Gd-158

Cross Section

-15.86 To 65.19 %



64-Gd-158

Incident Energy (eV)

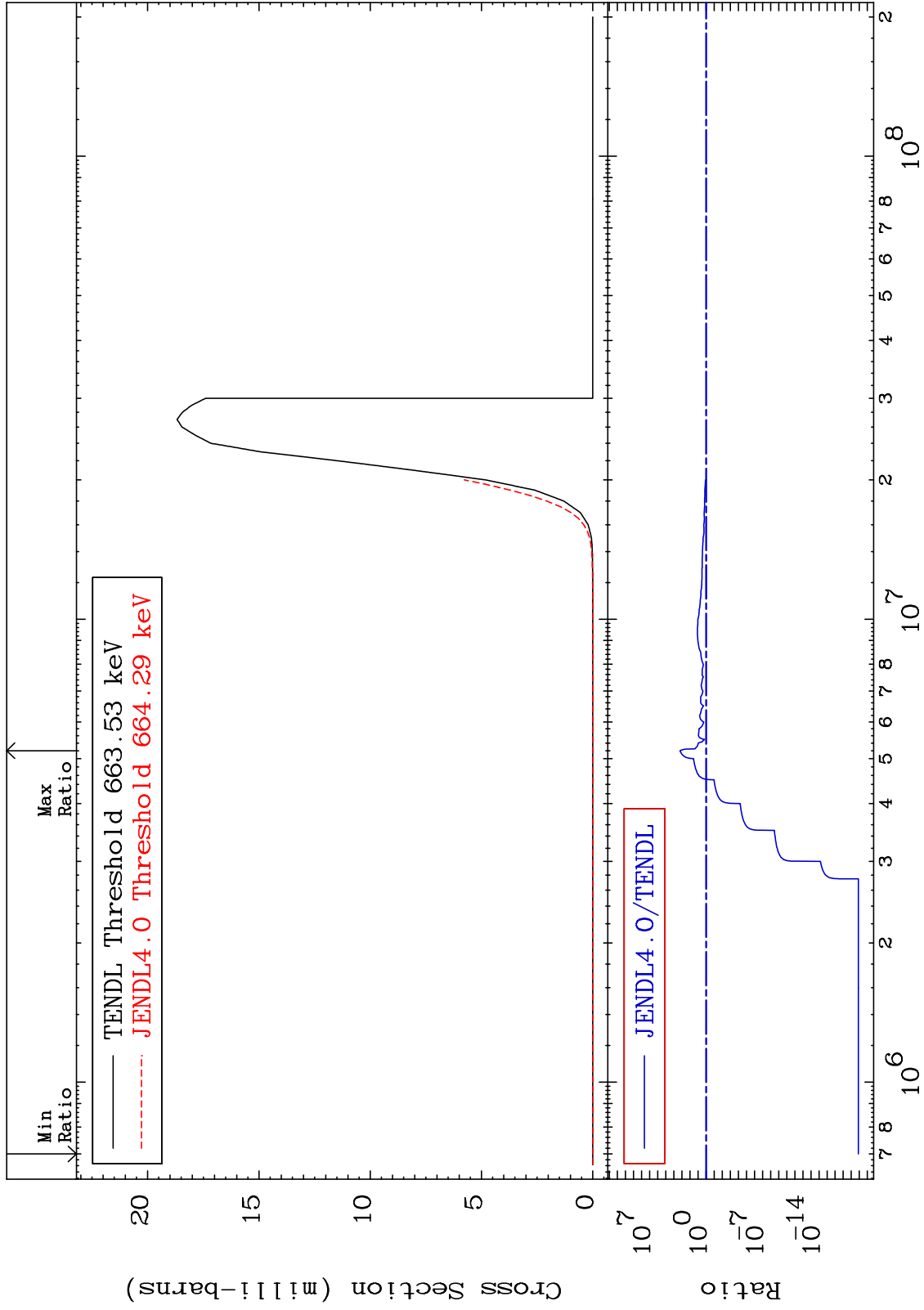
MAT 6443

(n, n') α

64-Gd-158

-100.0 To 9999. %

Cross Section



6

Incident Energy (eV)

64-Gd-158

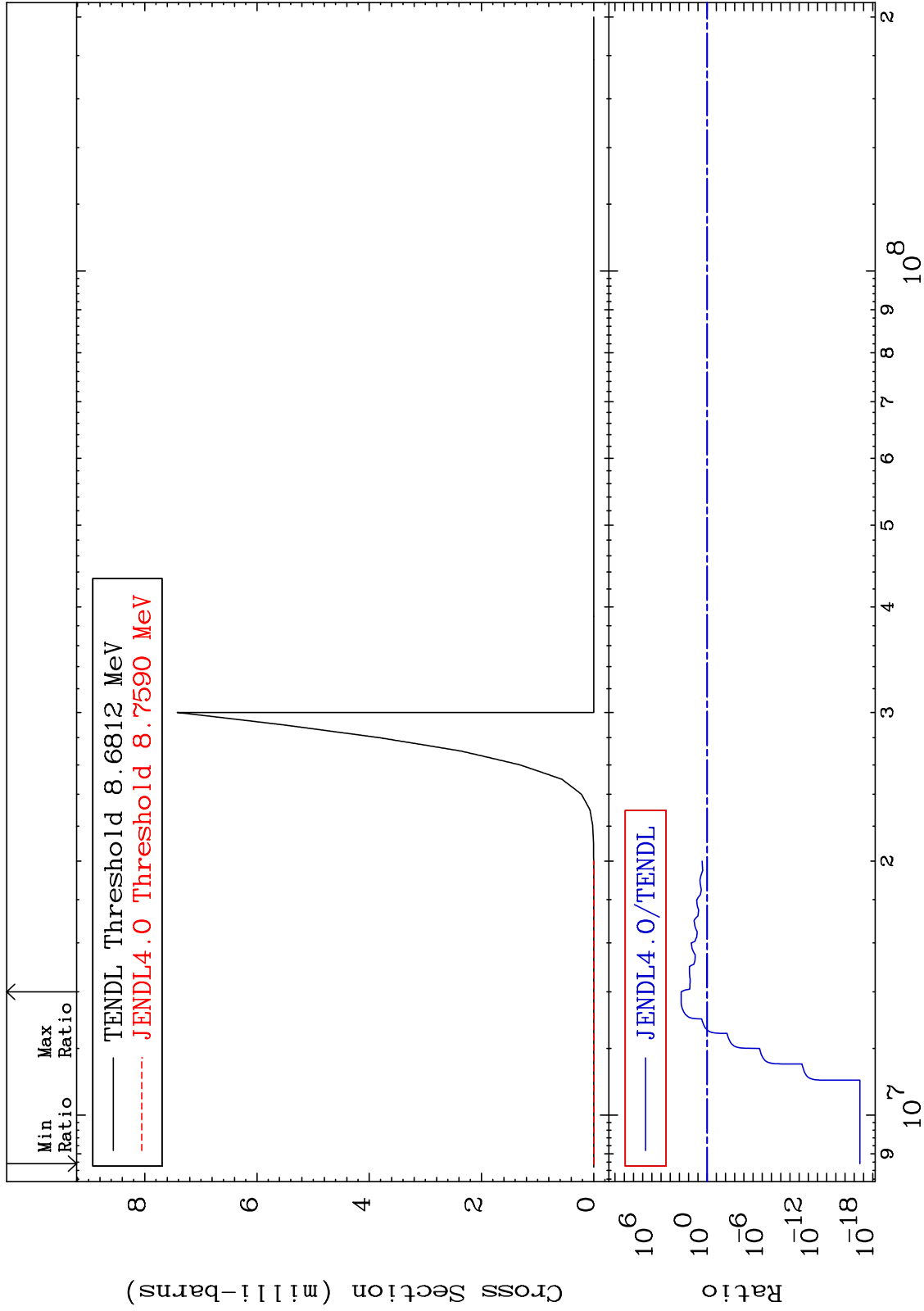
MAT 6443

(n,2n) α

64-Gd-158

-100.0 To 9999. %

Cross Section



7

Incident Energy (eV)

64-Gd-158

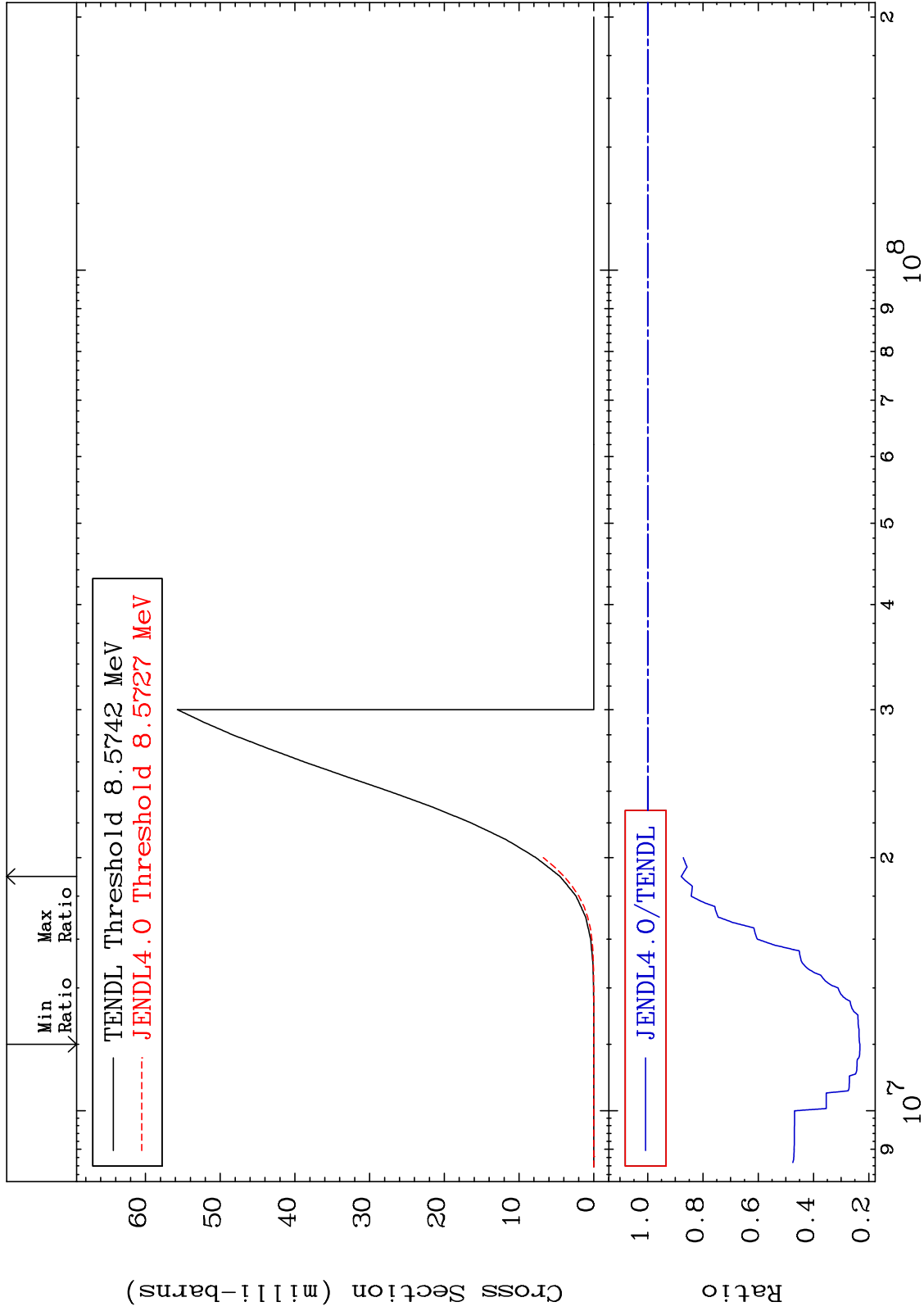
MAT 6443

(n,n') p

64-Gd-158

Cross Section

-76.81 To -12.13%



8

Incident Energy (eV)

64-Gd-158

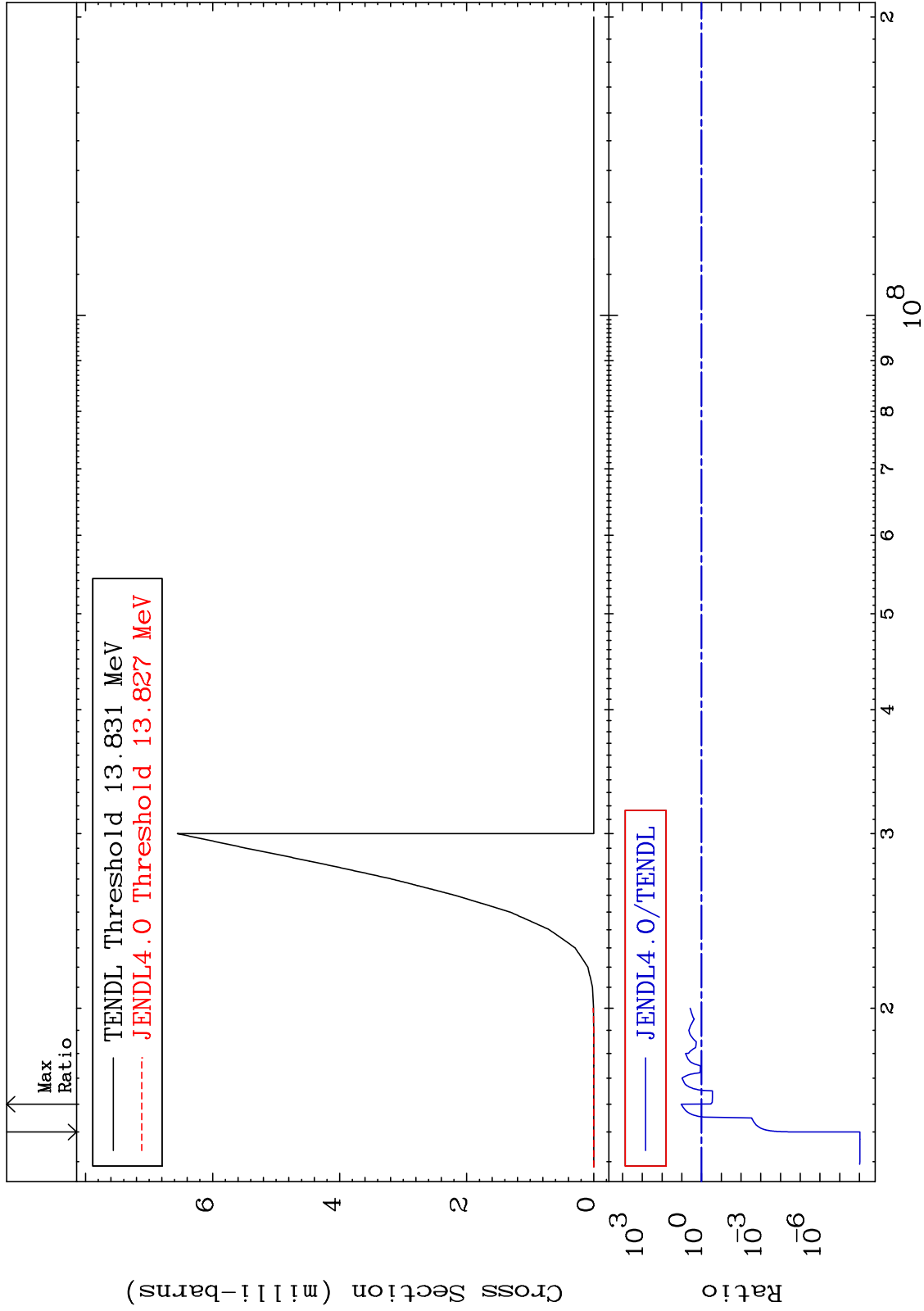
MAT 6443

(n,n') d

64-Gd-158

Cross Section

-100.0 To 974.6 %

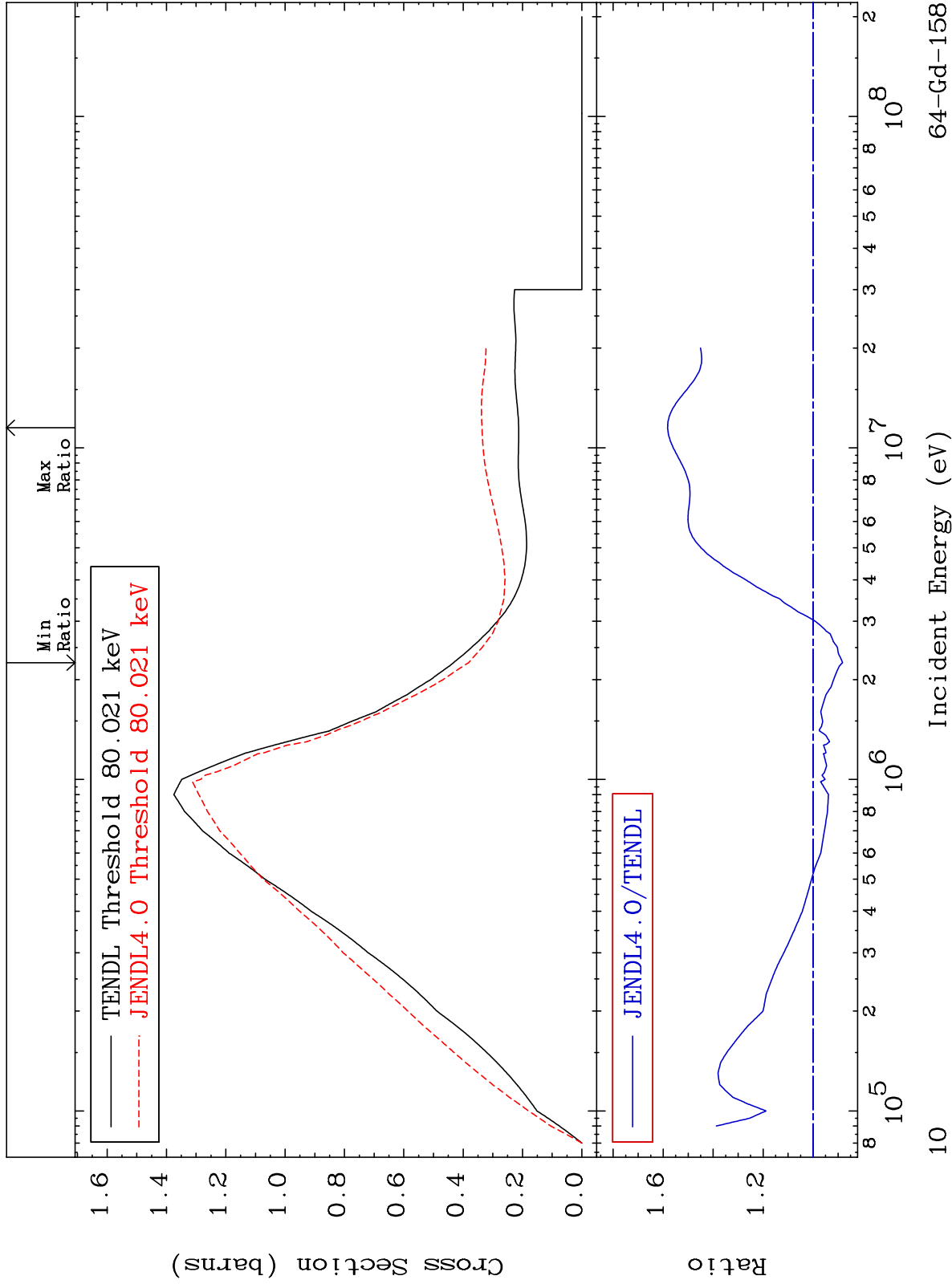


MAT 6443

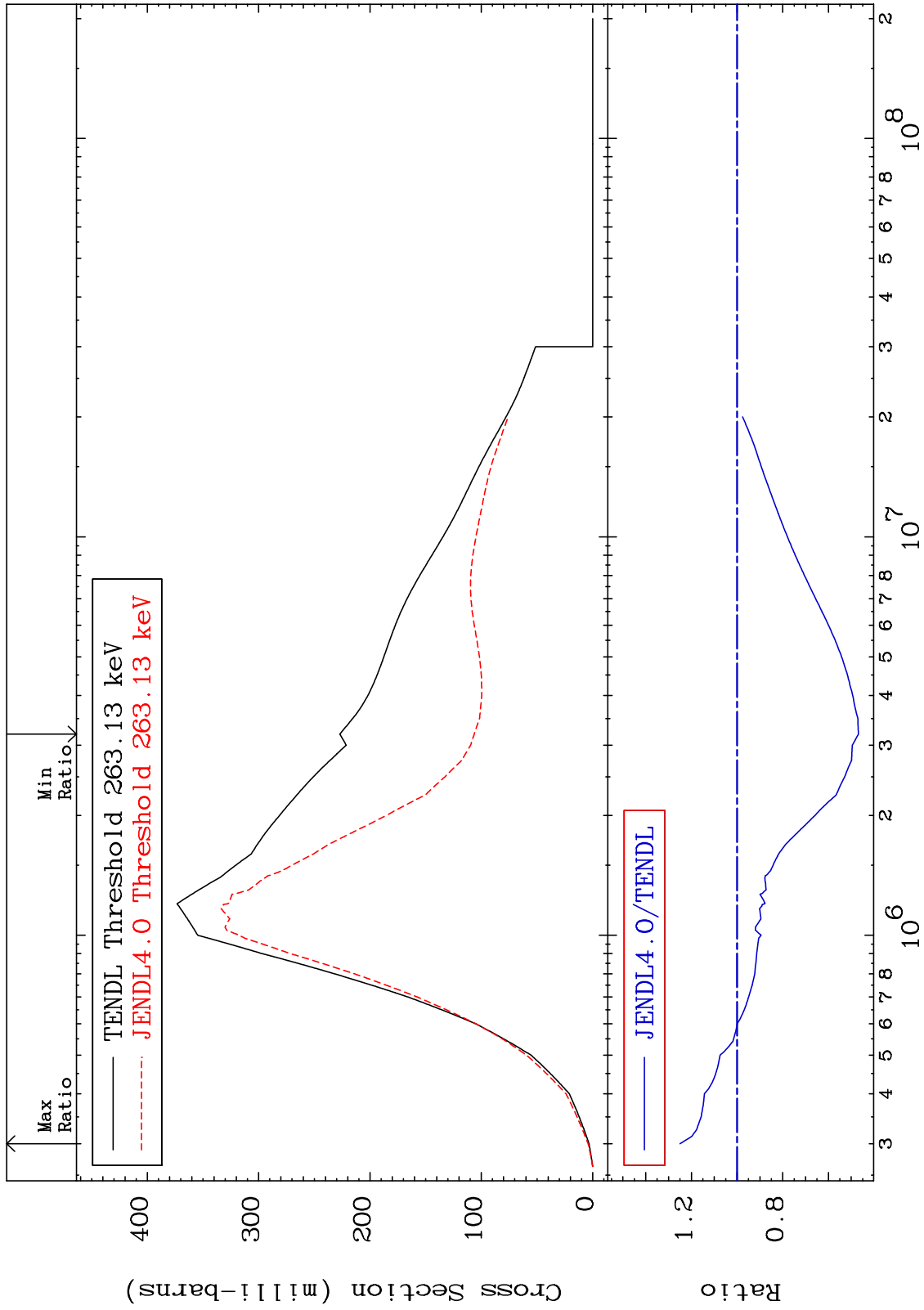
MT= 51 (n,n') Level

64-Gd-158

Cross Section -11.84 To 58.25 %



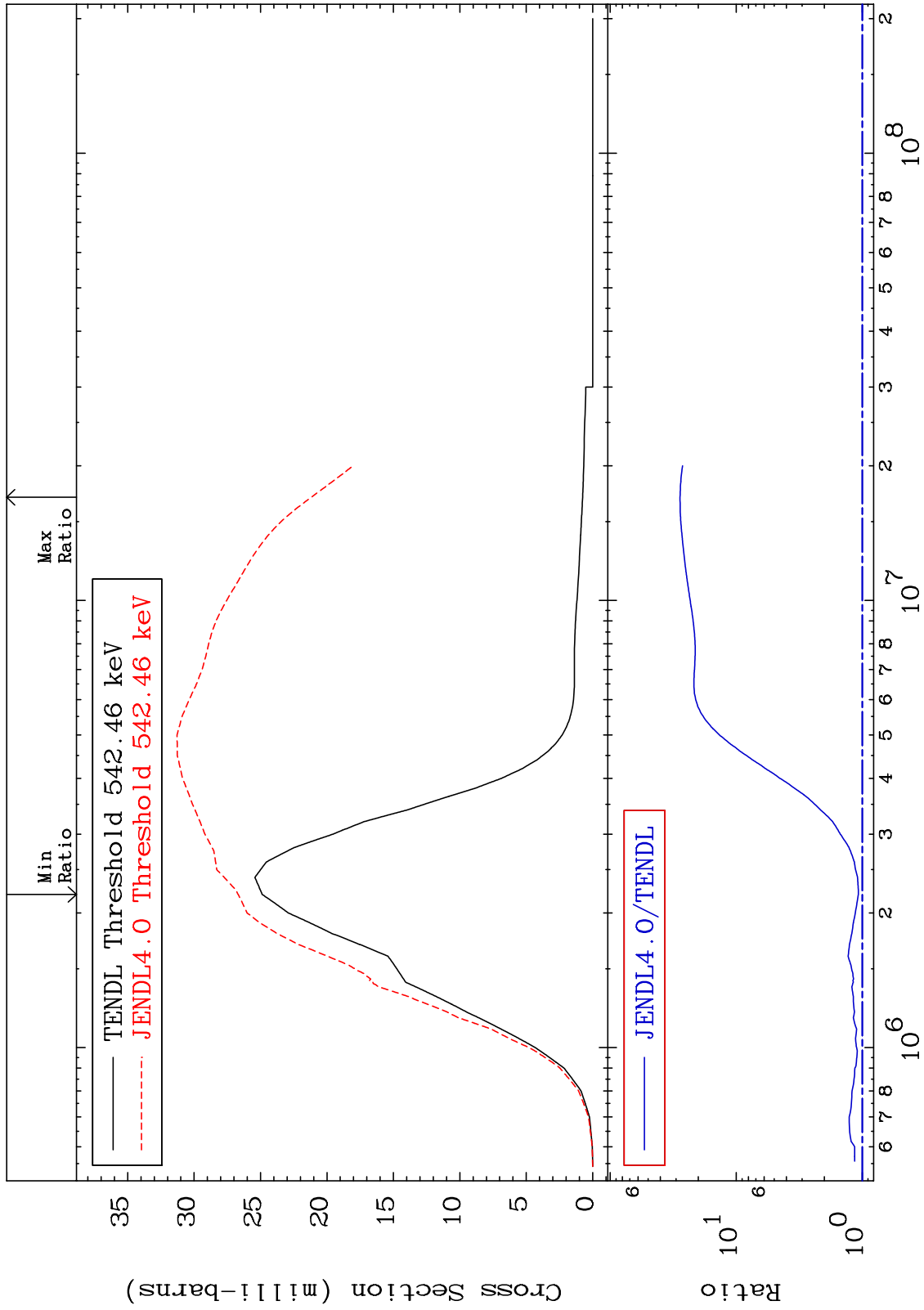
MAT 6443 MT= 52 (n,n') Level 64-Gd-158
 Cross Section -53.14 To 24.99 %



MAT 6443

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

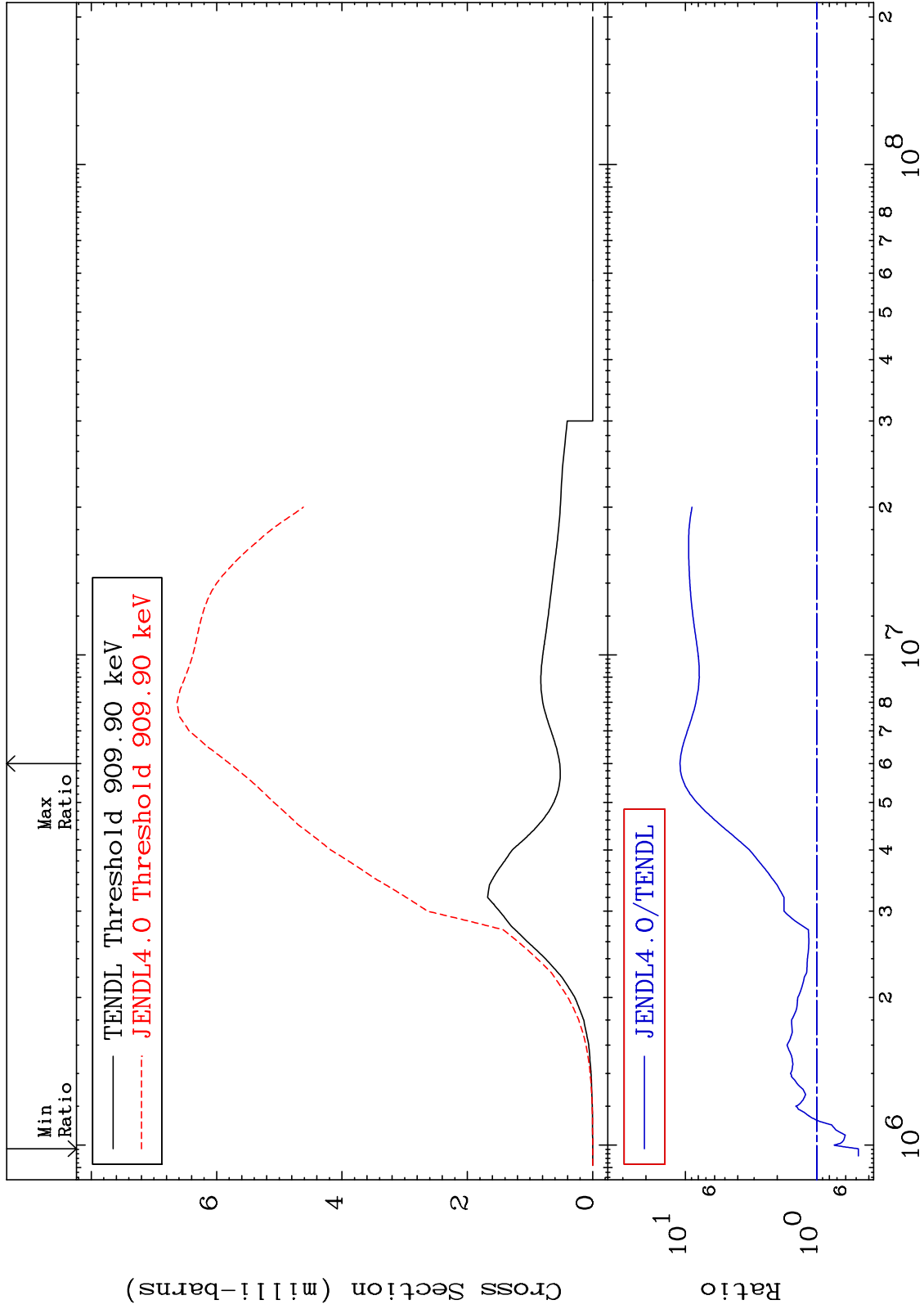
64-Gd-158
7.278 To 2693. %



MAT 6443

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

64-Gd-158
-51.94 To 1001. %



13

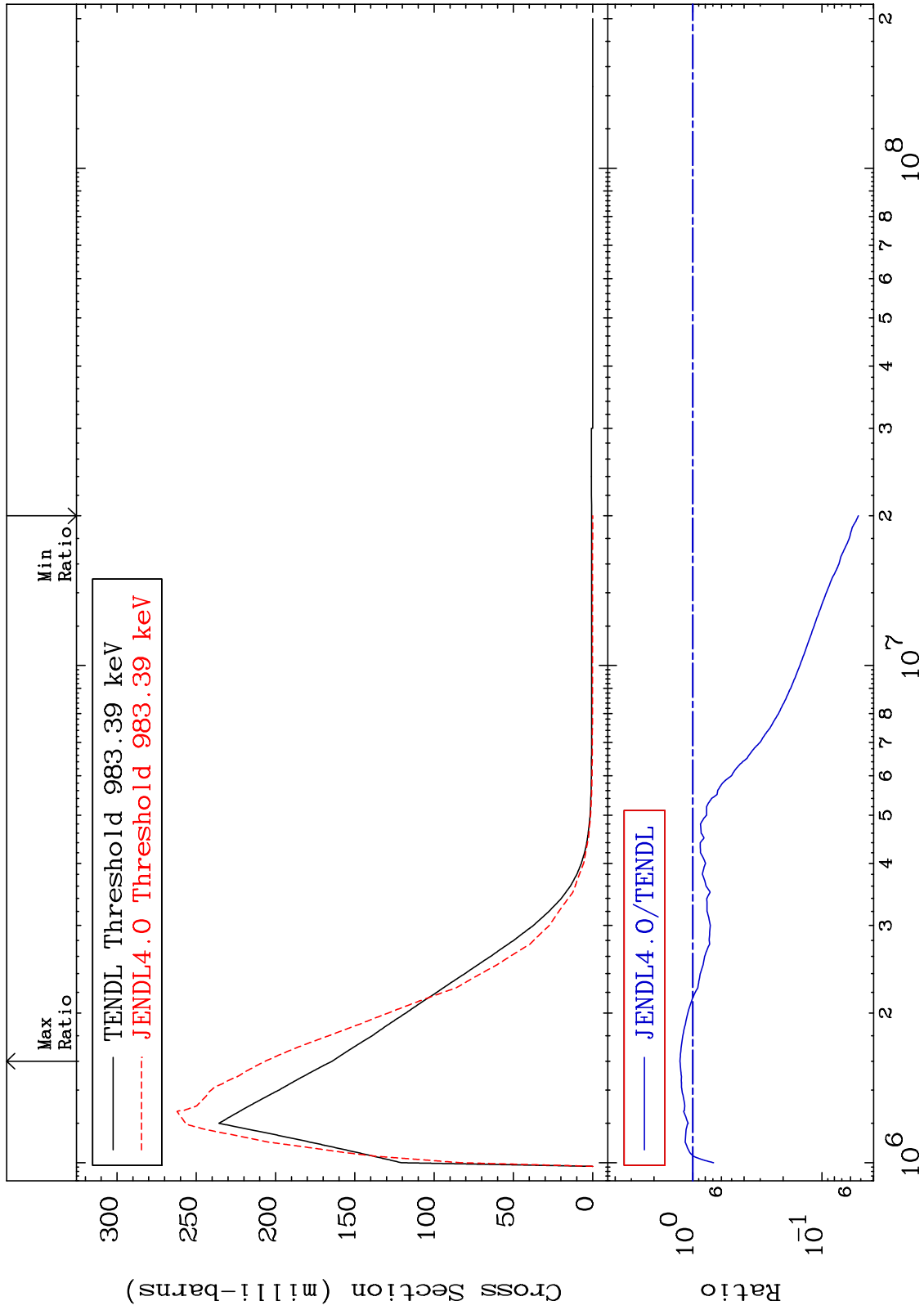
64-Gd-158

64-Gd-158

MAT 6443 MT= 55 (n, n') Level
Cross Section -94.79 To 25.67 %

MAT 6443

64-Gd-158



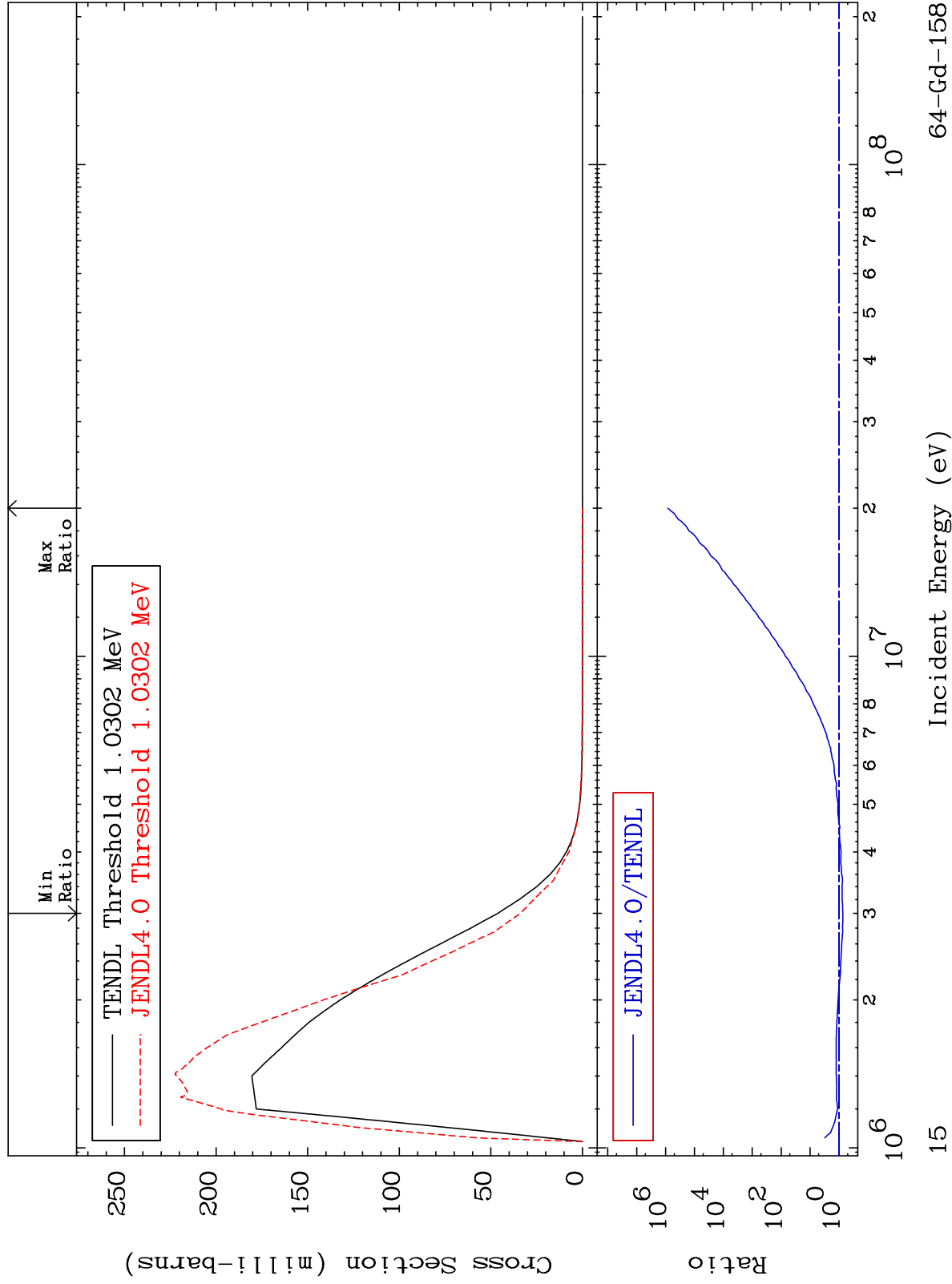
64-Gd-158

14

MAT 6443

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

64-Gd-158
-26.74 To 9999. %



64-Gd-158

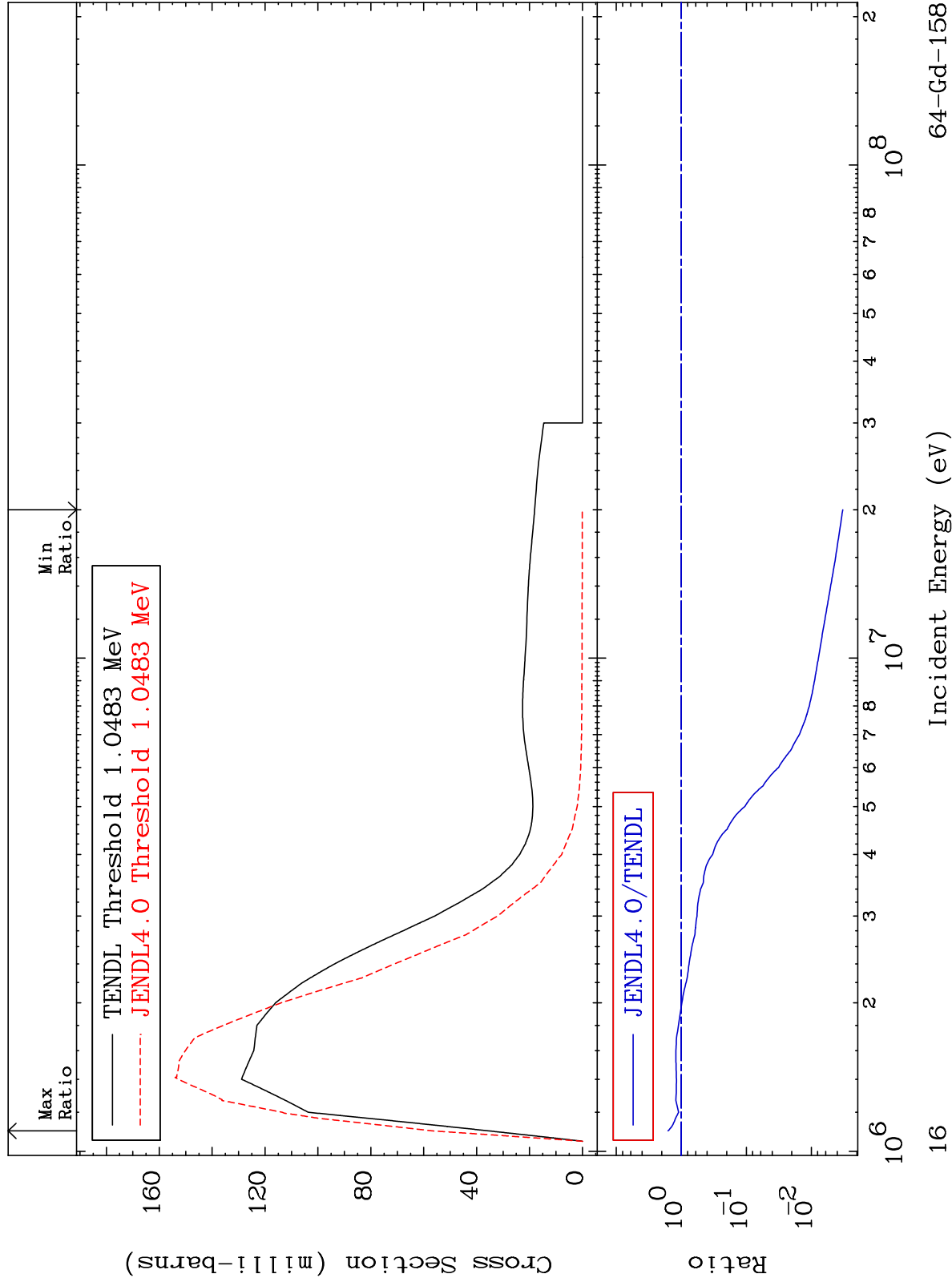
Incident Energy (eV)

15

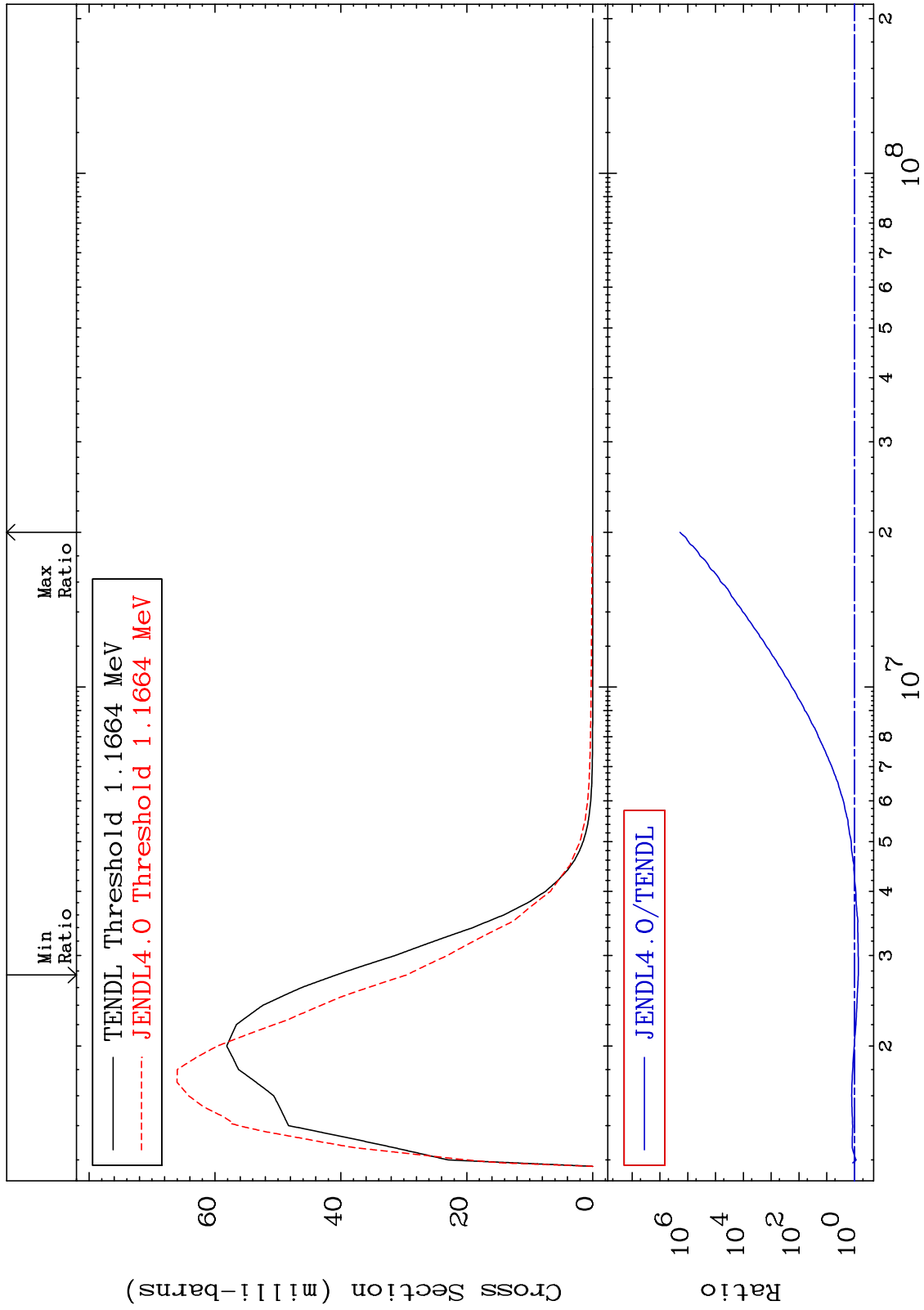
MAT 6443

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

64-Gd-158
-99.67 To 60.01 %



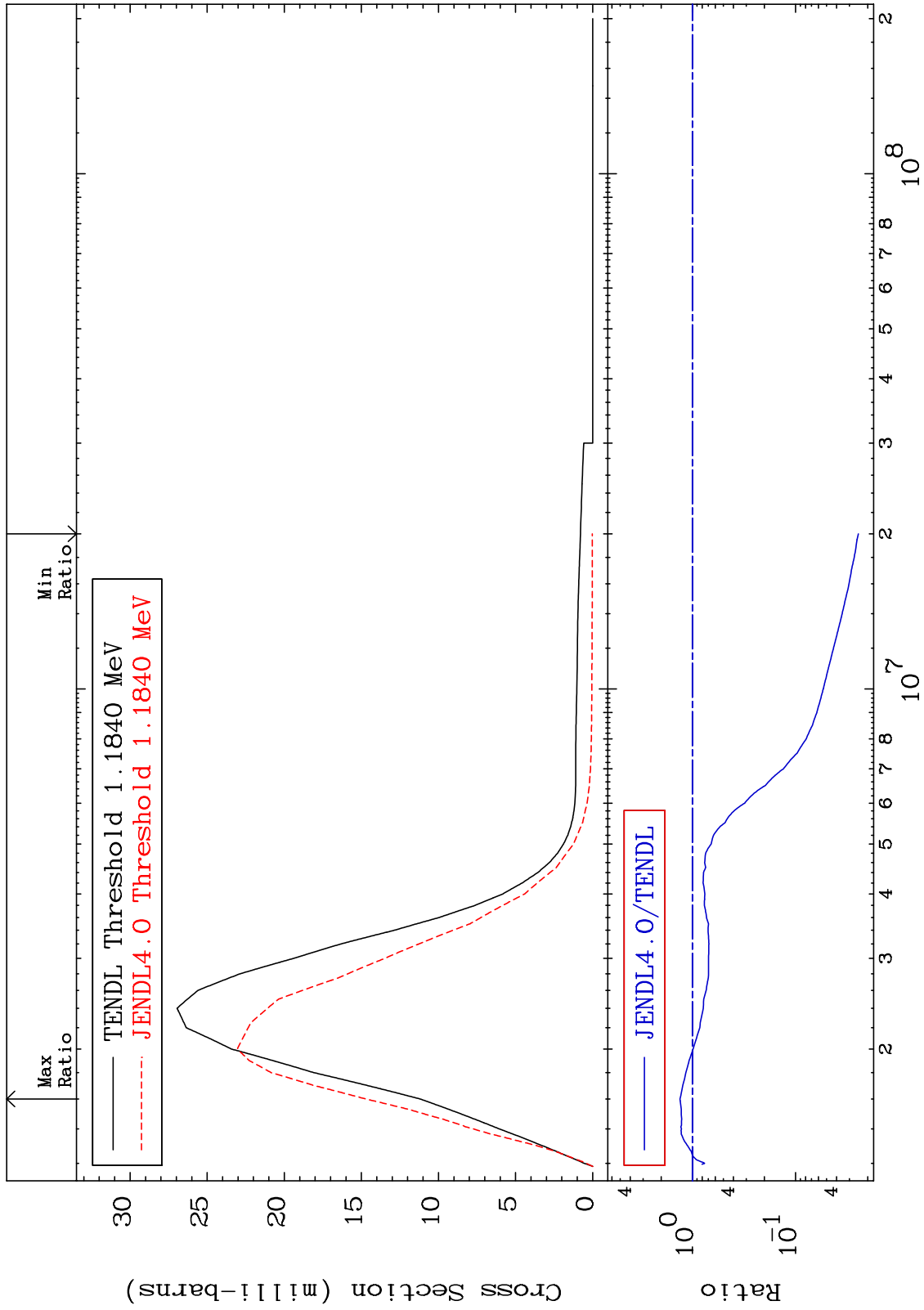
MAT 6443 MT= 58 (n, n') Level Cross Section 64-Gd-158
 -27.40 To 9999. %



MAT 6443

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

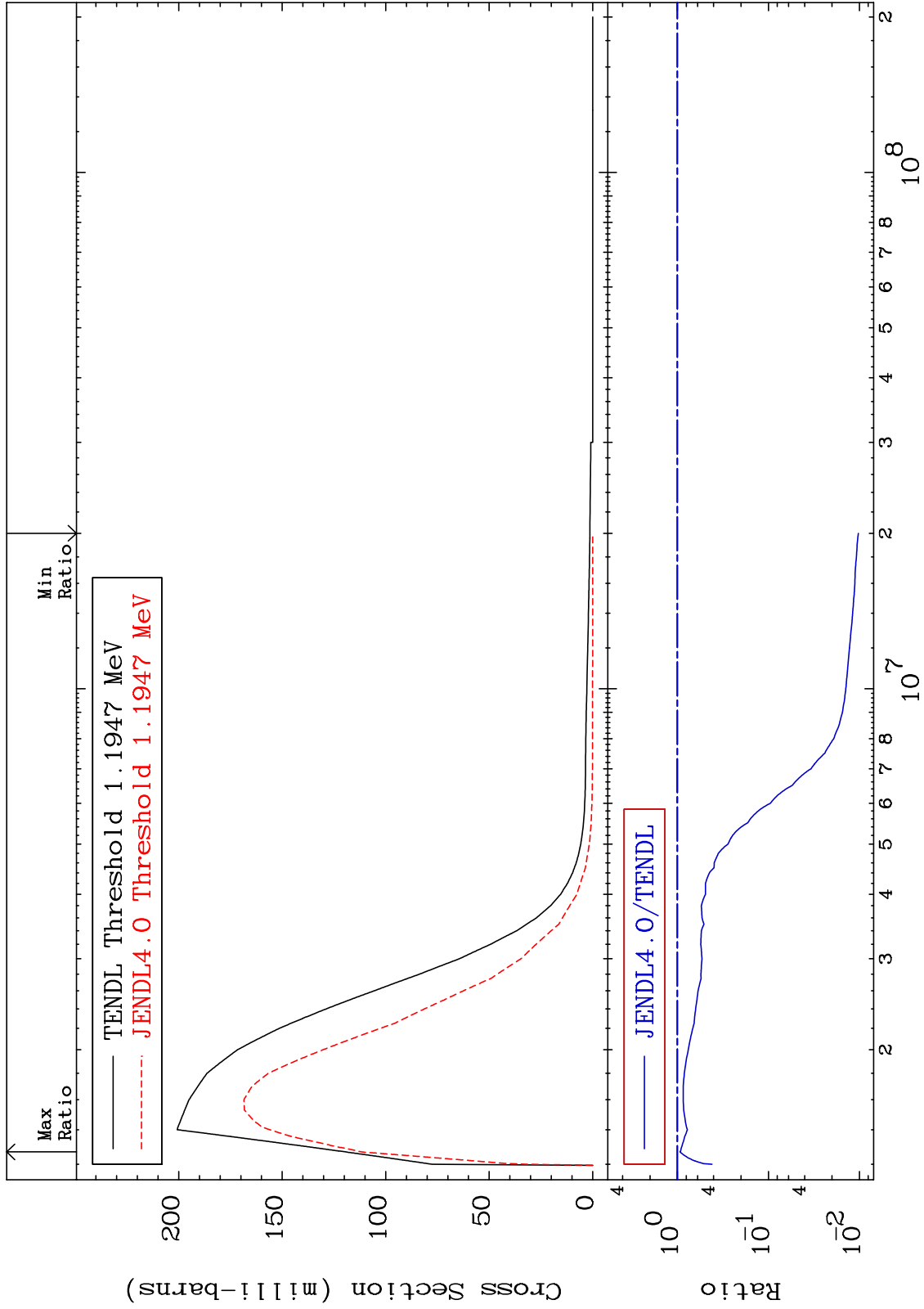
64-Gd-158
-97.54 To 31.51 %



MAT 6443

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

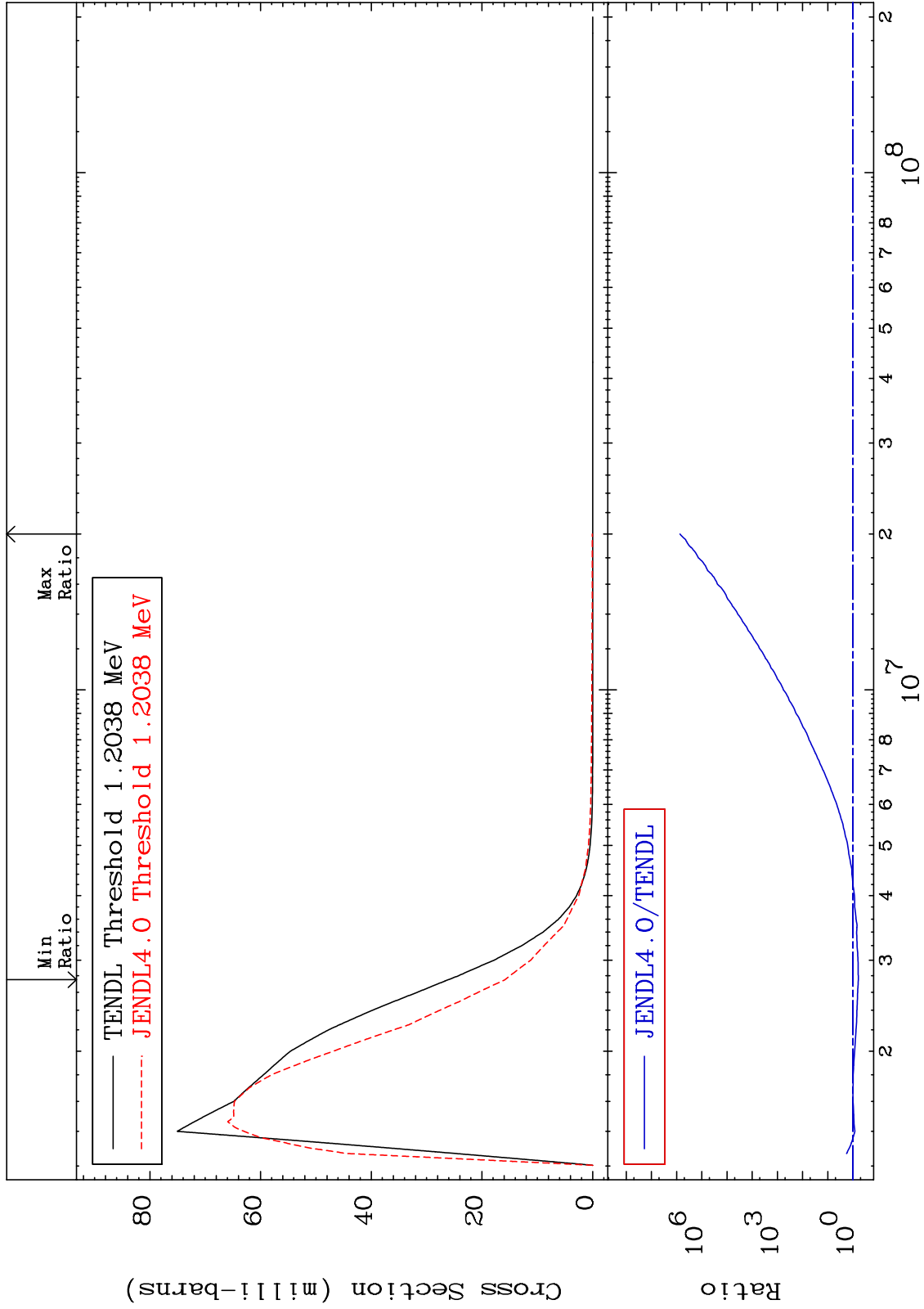
64-Gd-158
-98.97 To -6.345%



MAT 6443

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

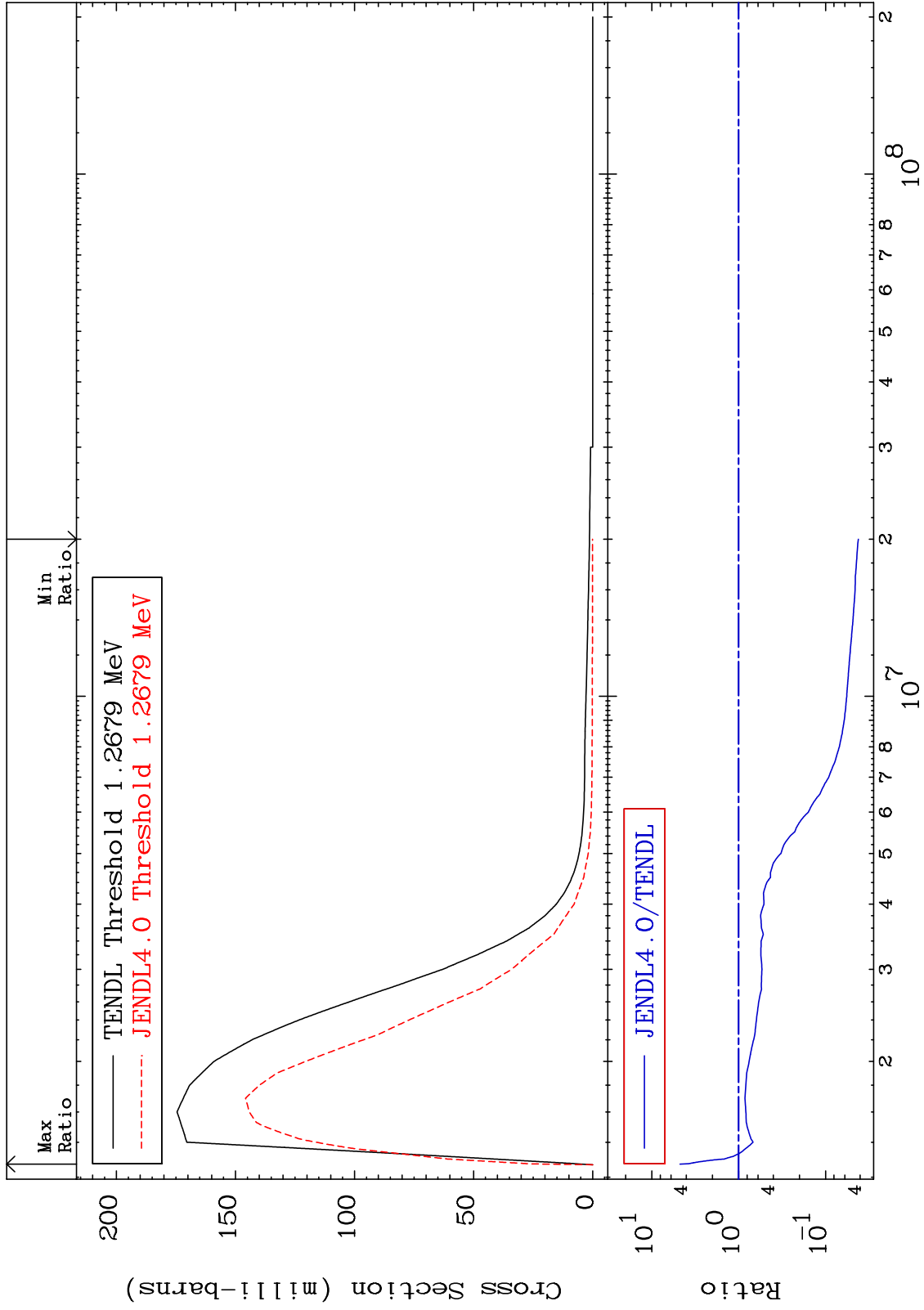
64-Gd-158
-39.24 To 9999. %



MAT 6443

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

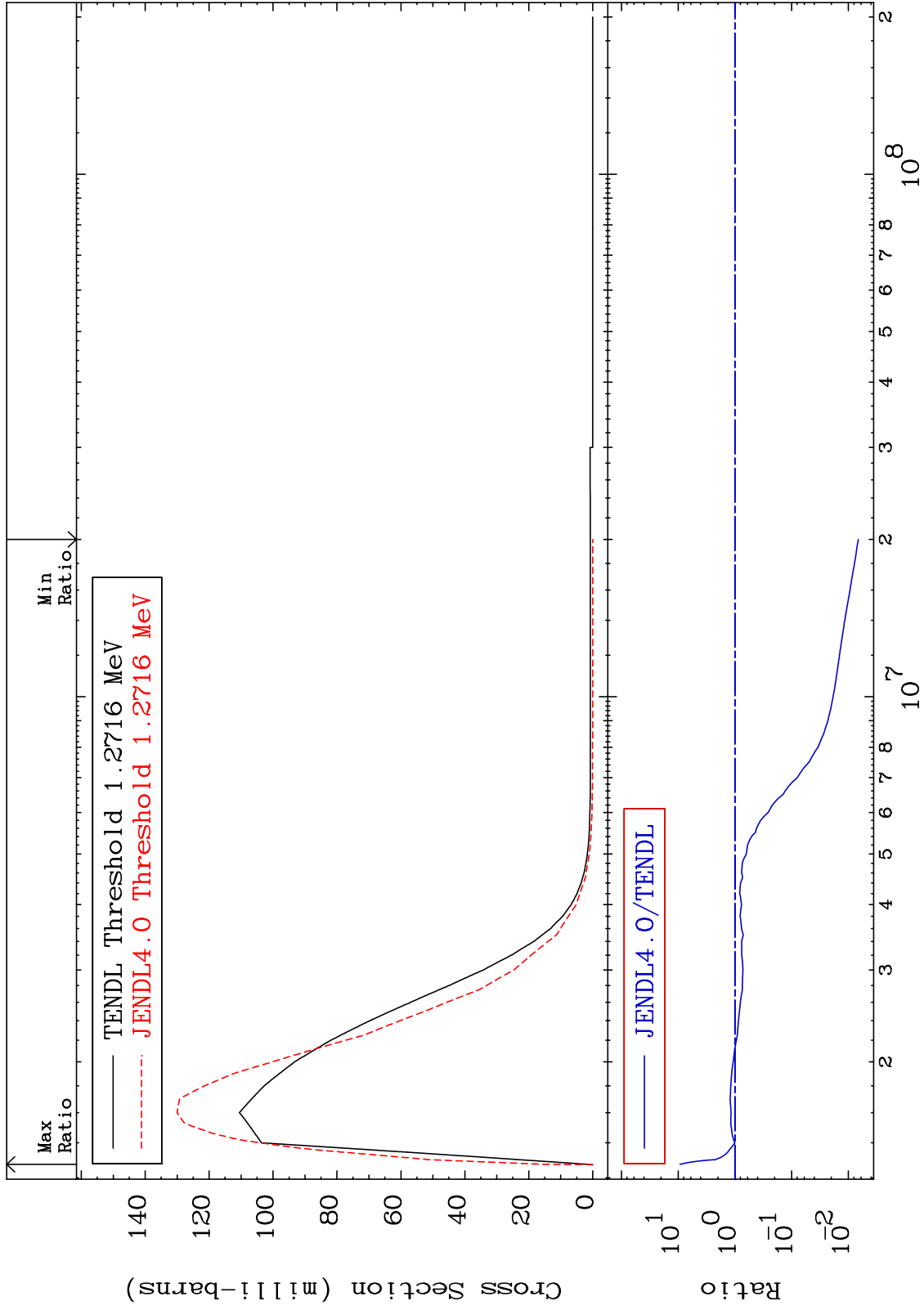
64-Gd-158
-95.81 To 373.4 %



MAT 6443

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

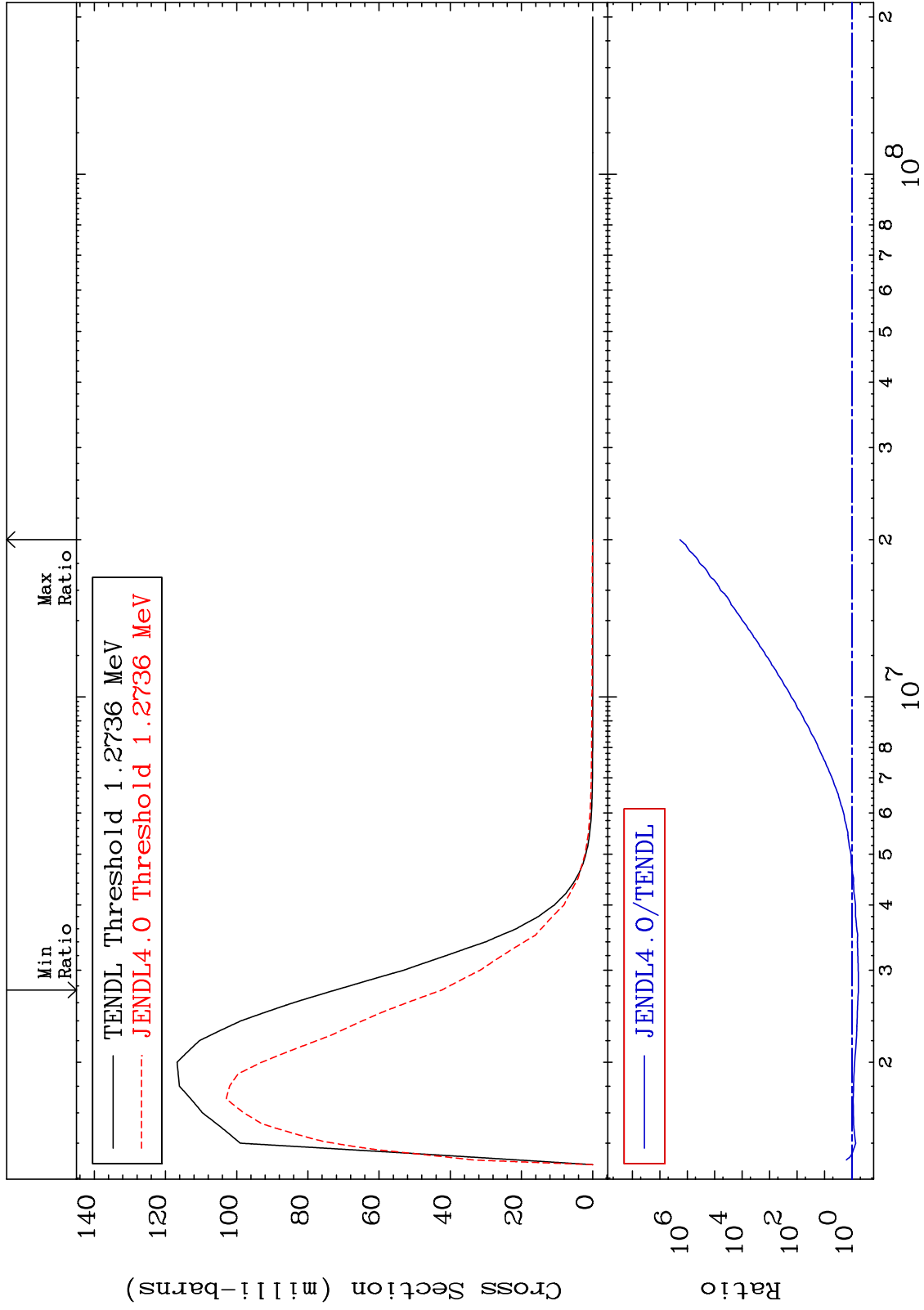
64-Gd-158
-99.33 To 827.6 %



MAT 6443

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

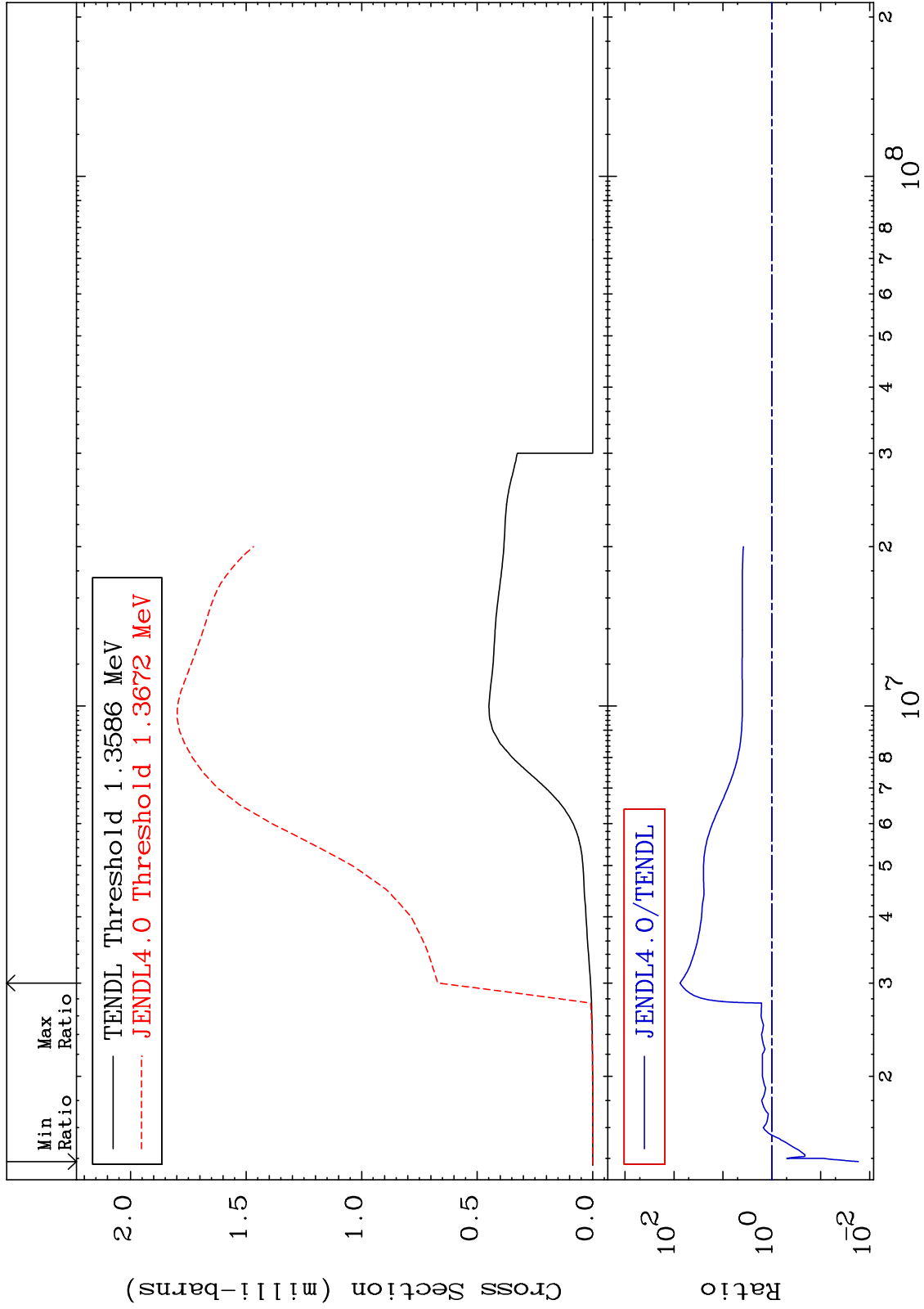
64-Gd-158
-41.35 To 9999. %



MAT 6443

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

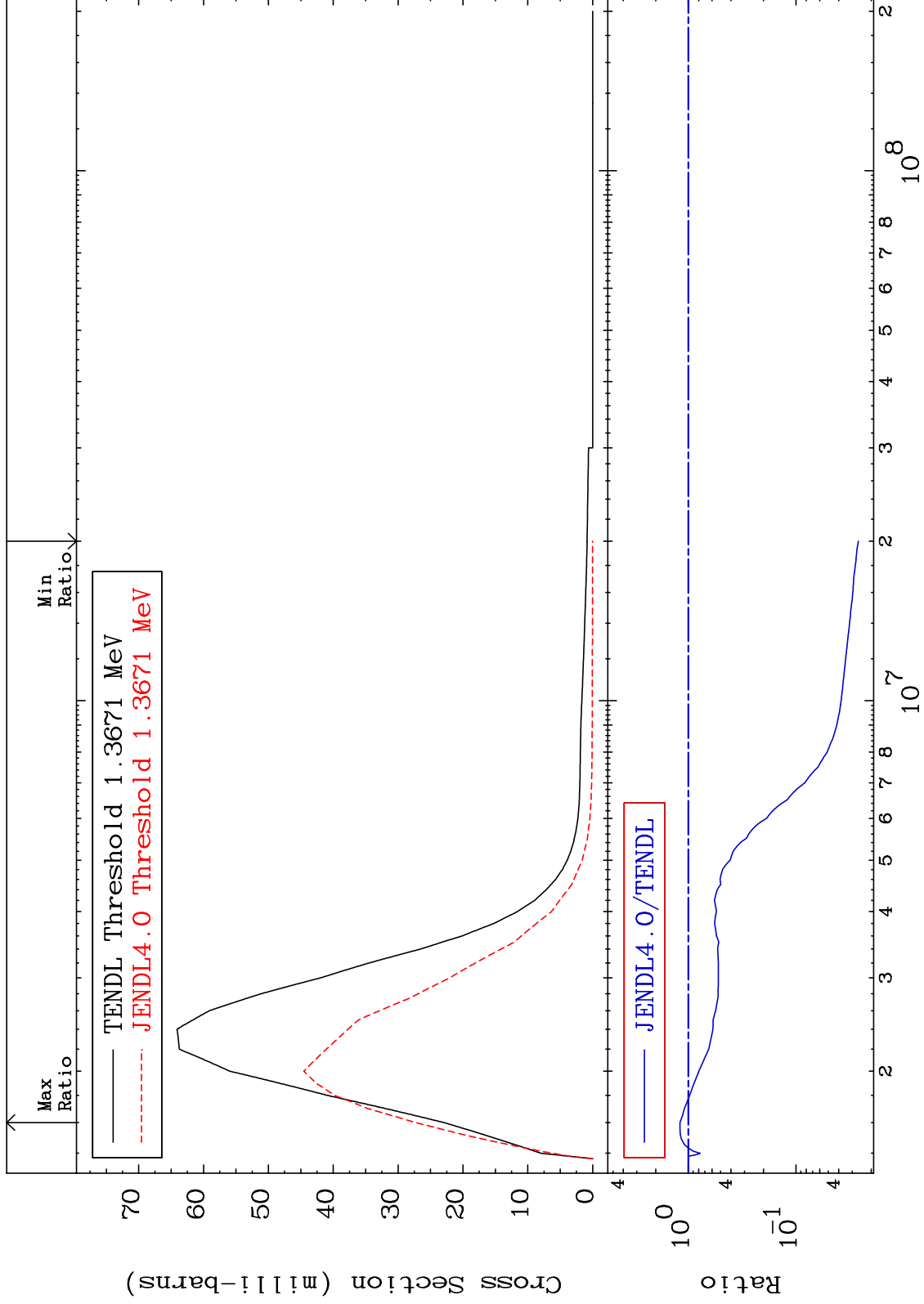
64-Gd-158
-98.30 To 7423. %



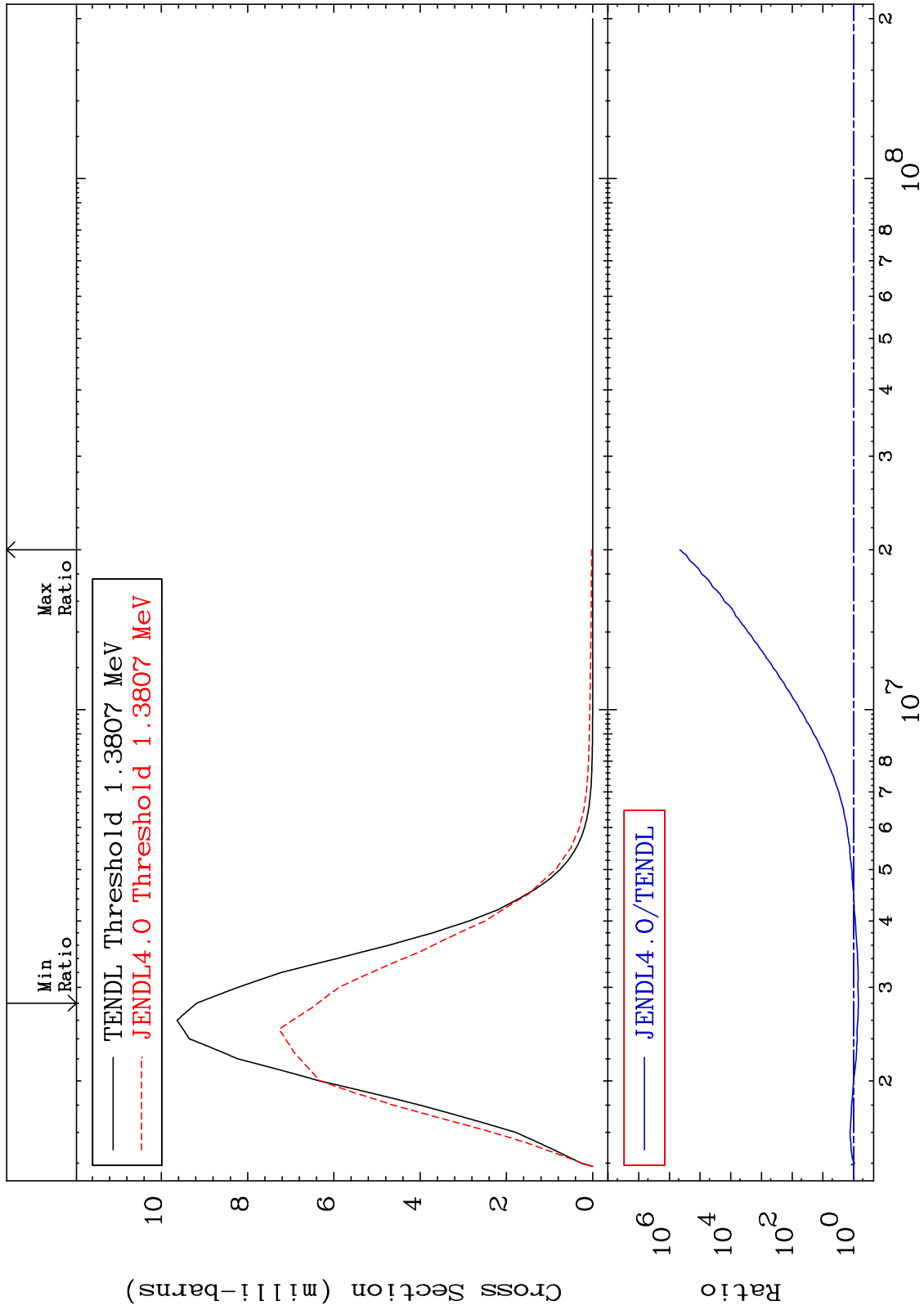
MAT 6443

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

64-Gd-158
-97.37 To 19.09 %



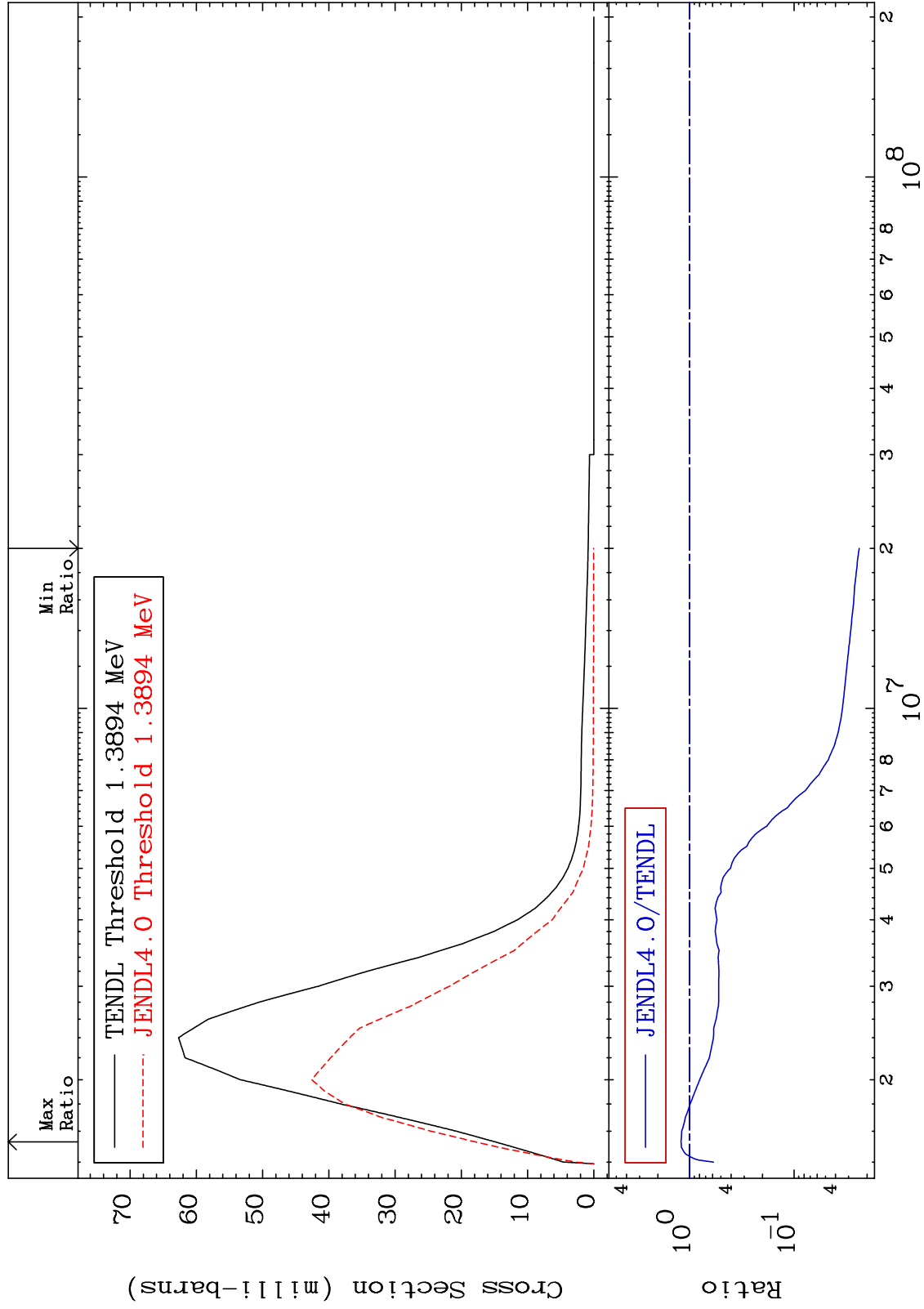
MAT 6443 MT= 67 (n, n') Level 64-Gd-158
 Cross Section -30.60 To 9999. %



MAT 6443

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

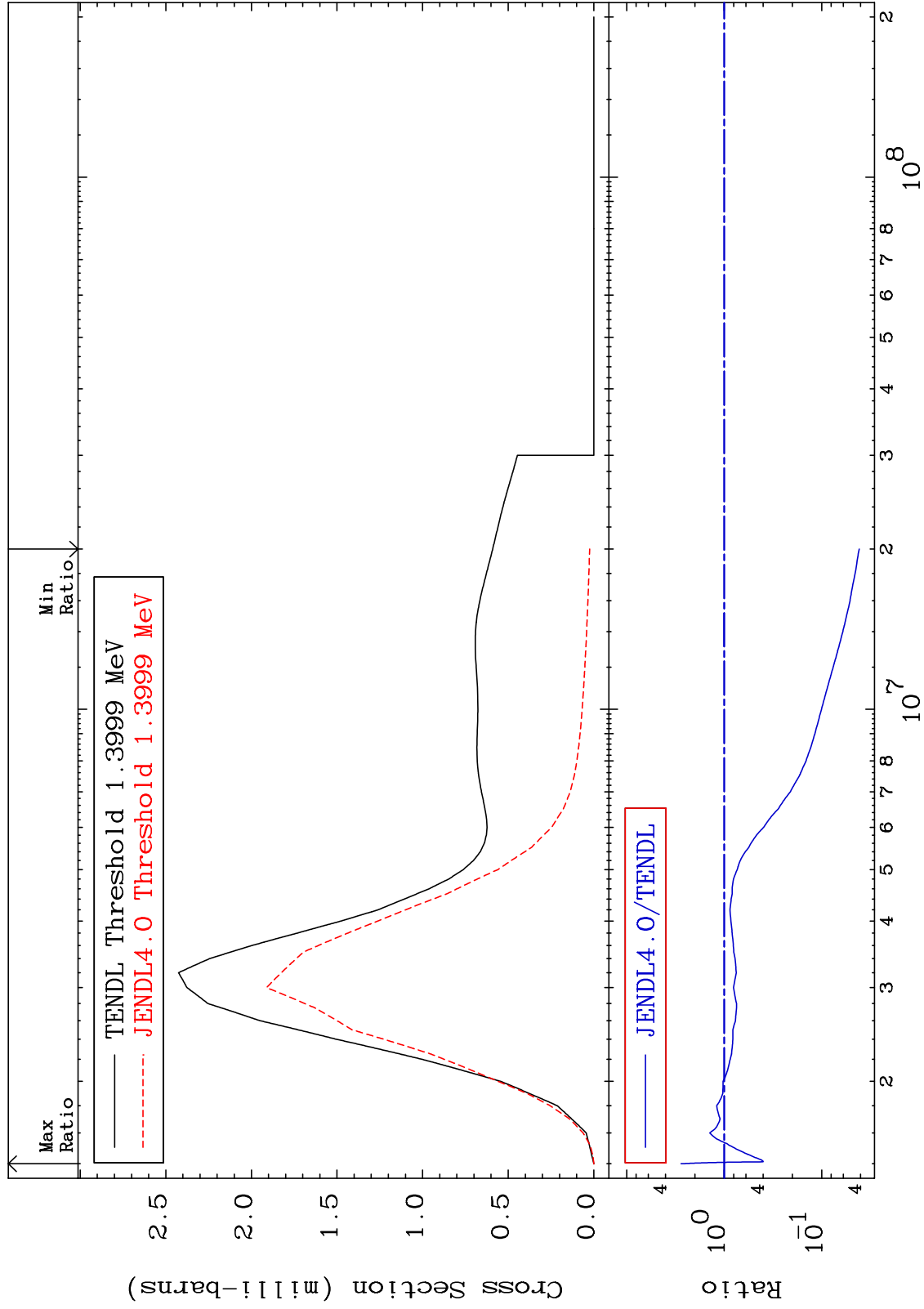
64-Gd-158
-97.63 To 20.13 %



MAT 6443

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

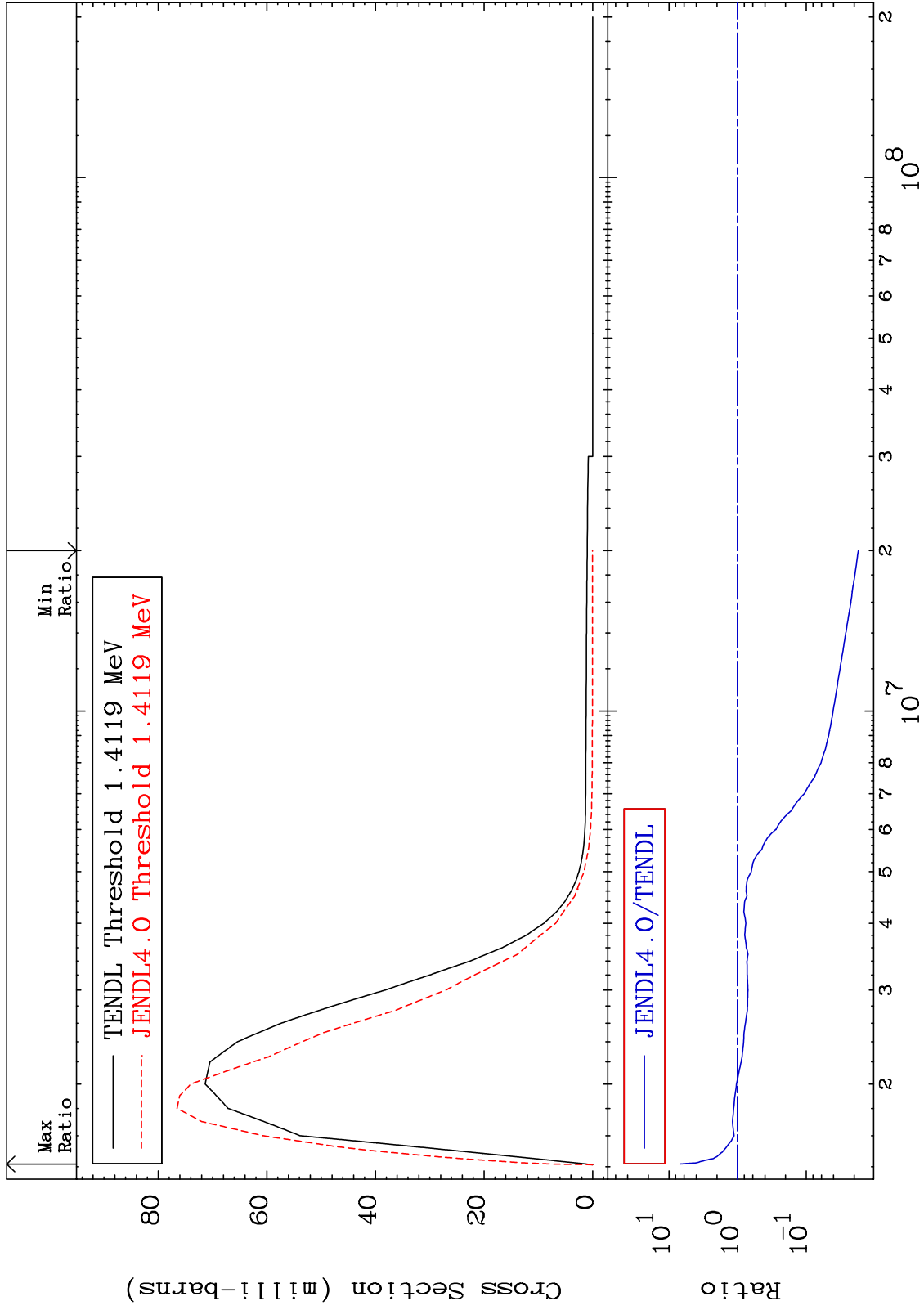
64-Gd-158
-95.88 To 177.3 %



MAT 6443

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

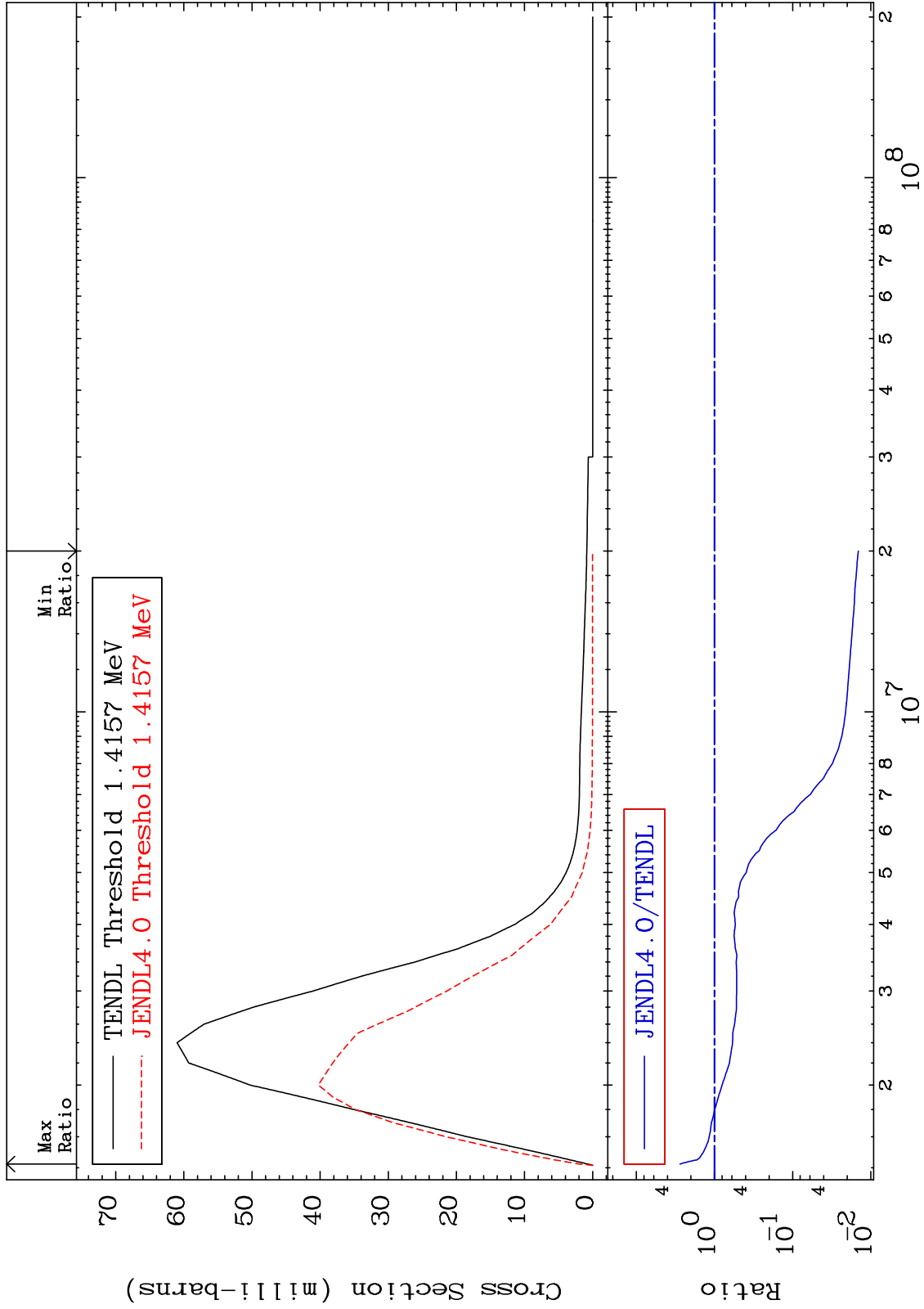
64-Gd-158
-98.26 To 590.2 %



MAT 6443

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

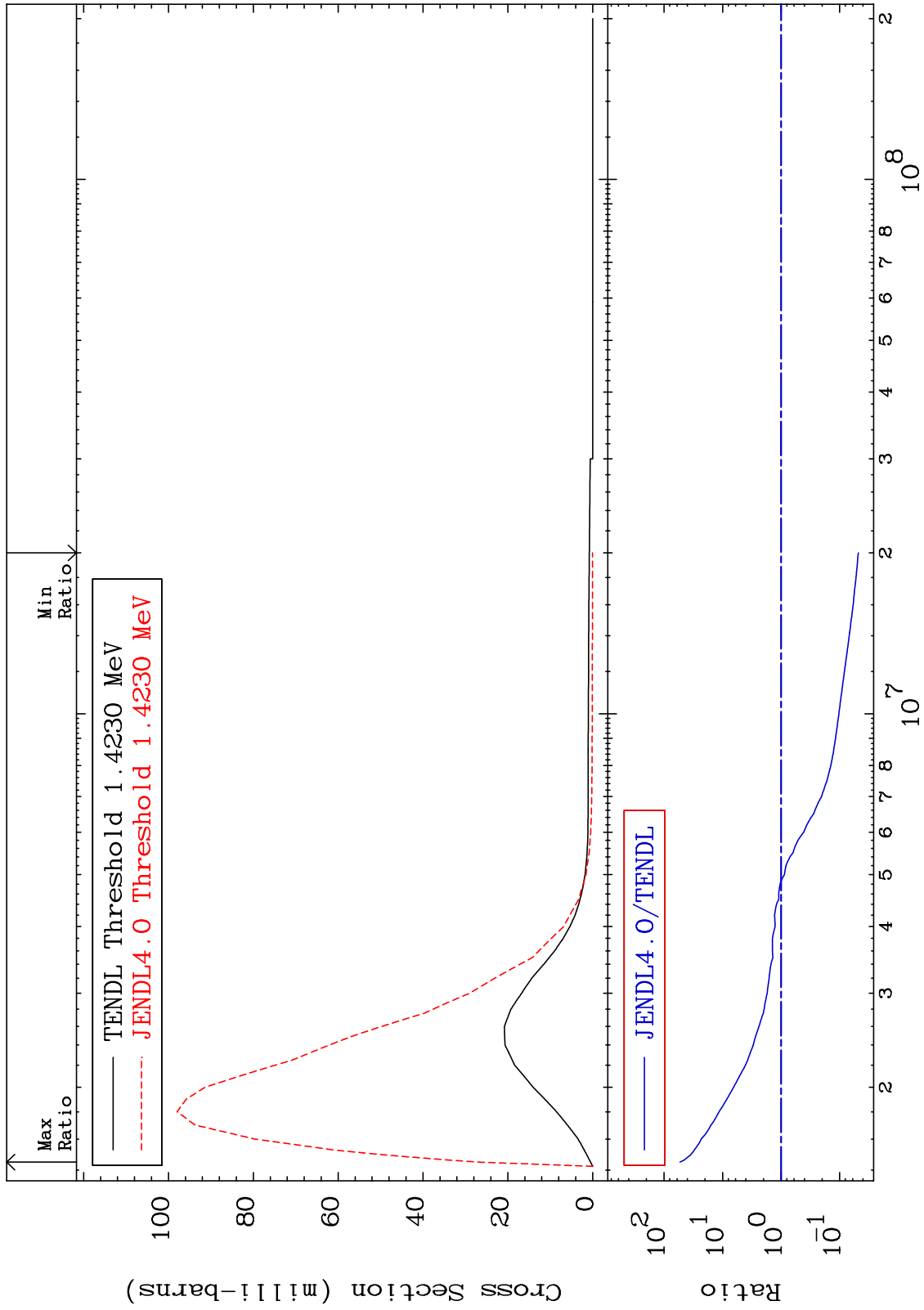
64-Gd-158
-98.56 To 176.1 %



MAT 6443

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

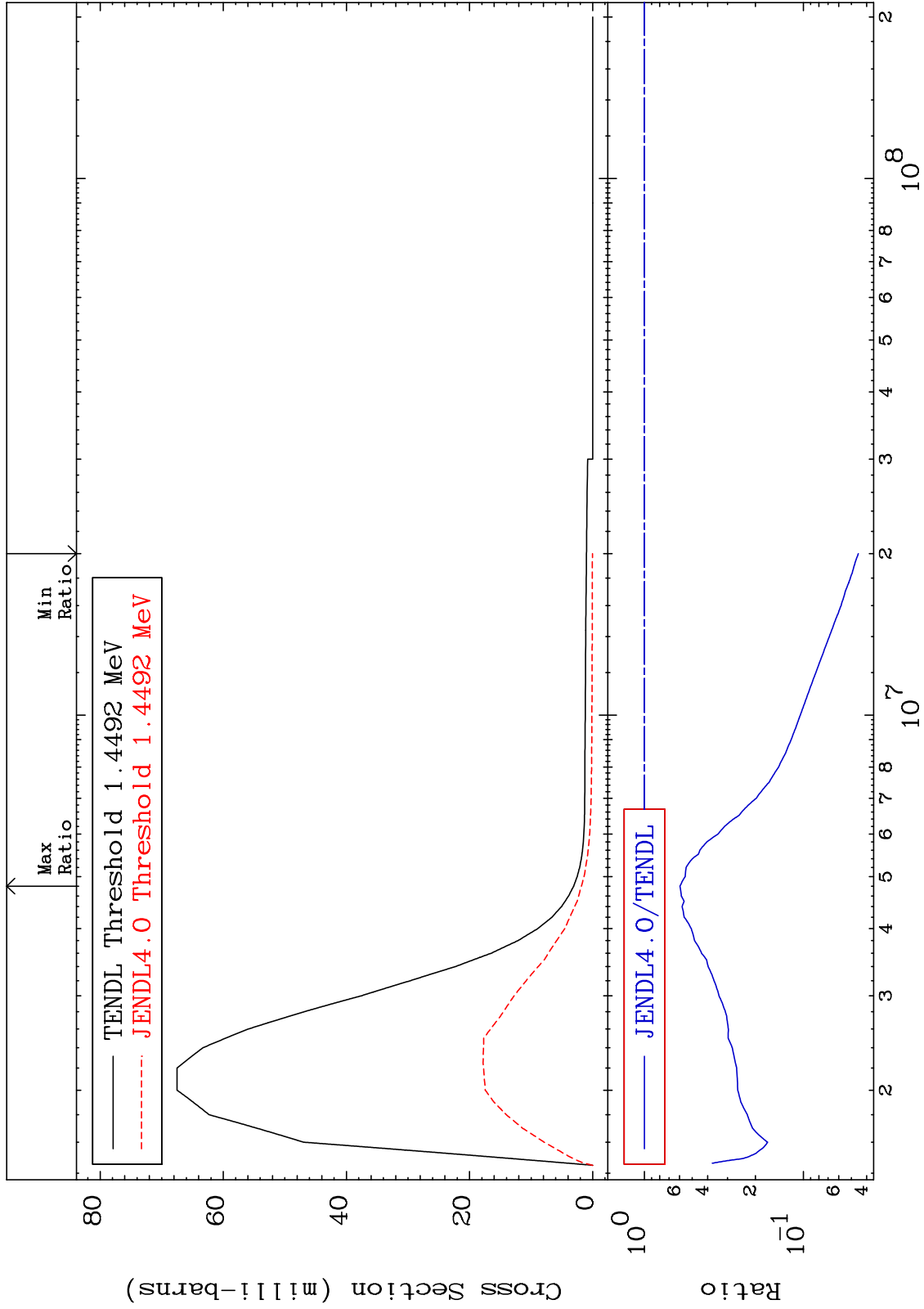
64-Gd-158
-95.21 To 5236. %



MAT 6443

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

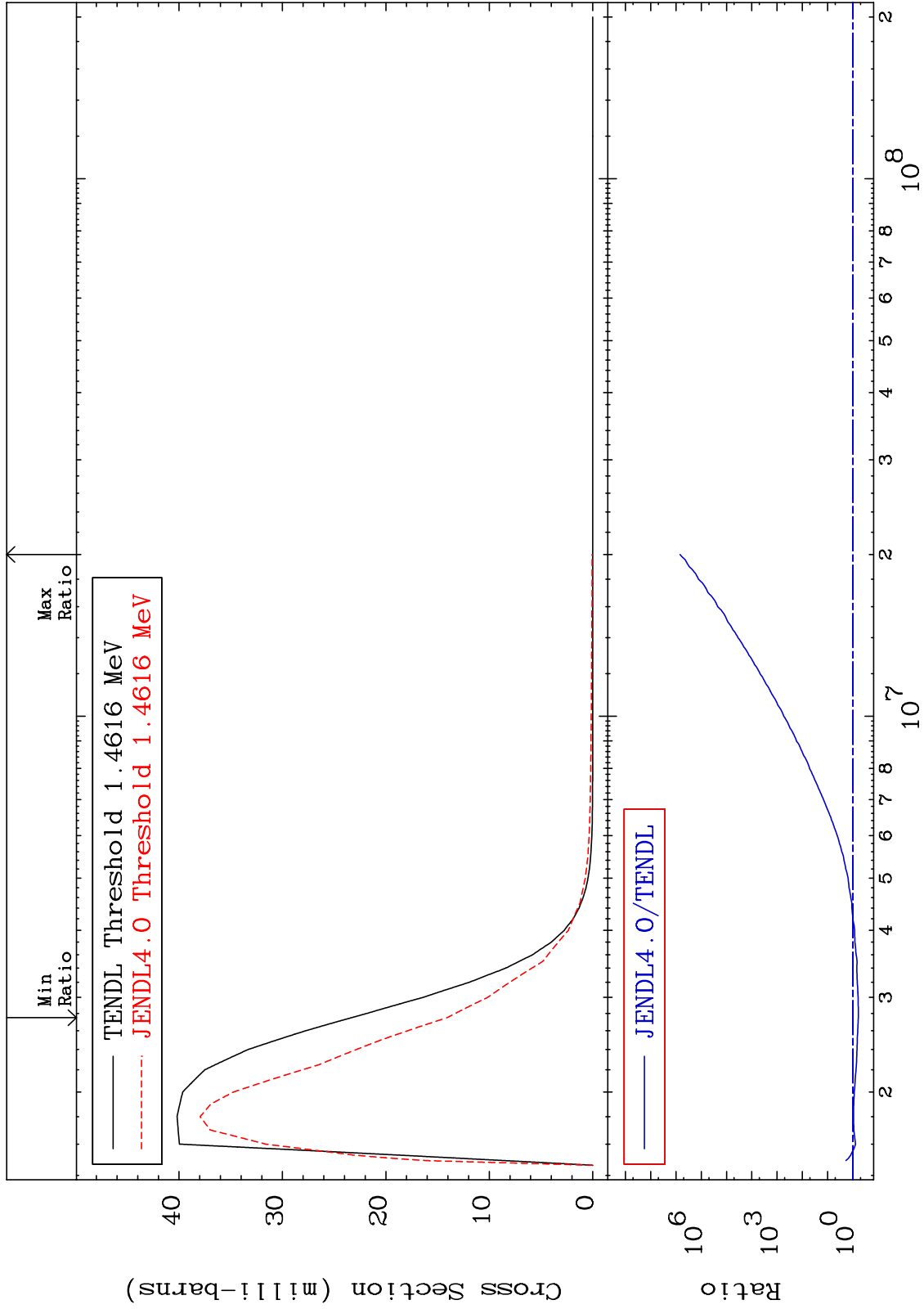
64-Gd-158
-95.49 To -40.35%



MAT 6443

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

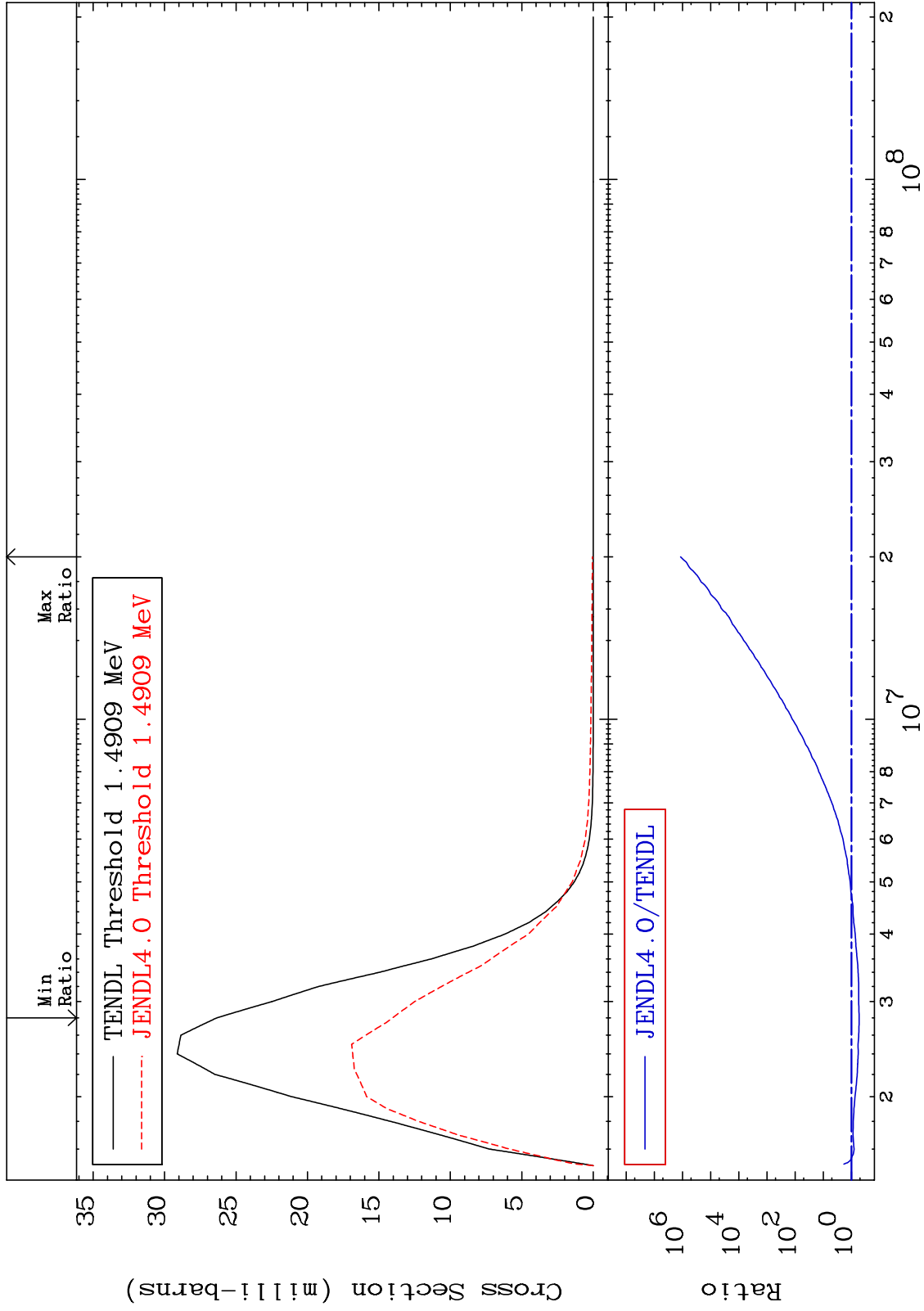
64-Gd-158
-39.63 To 9999. %



MAT 6443

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

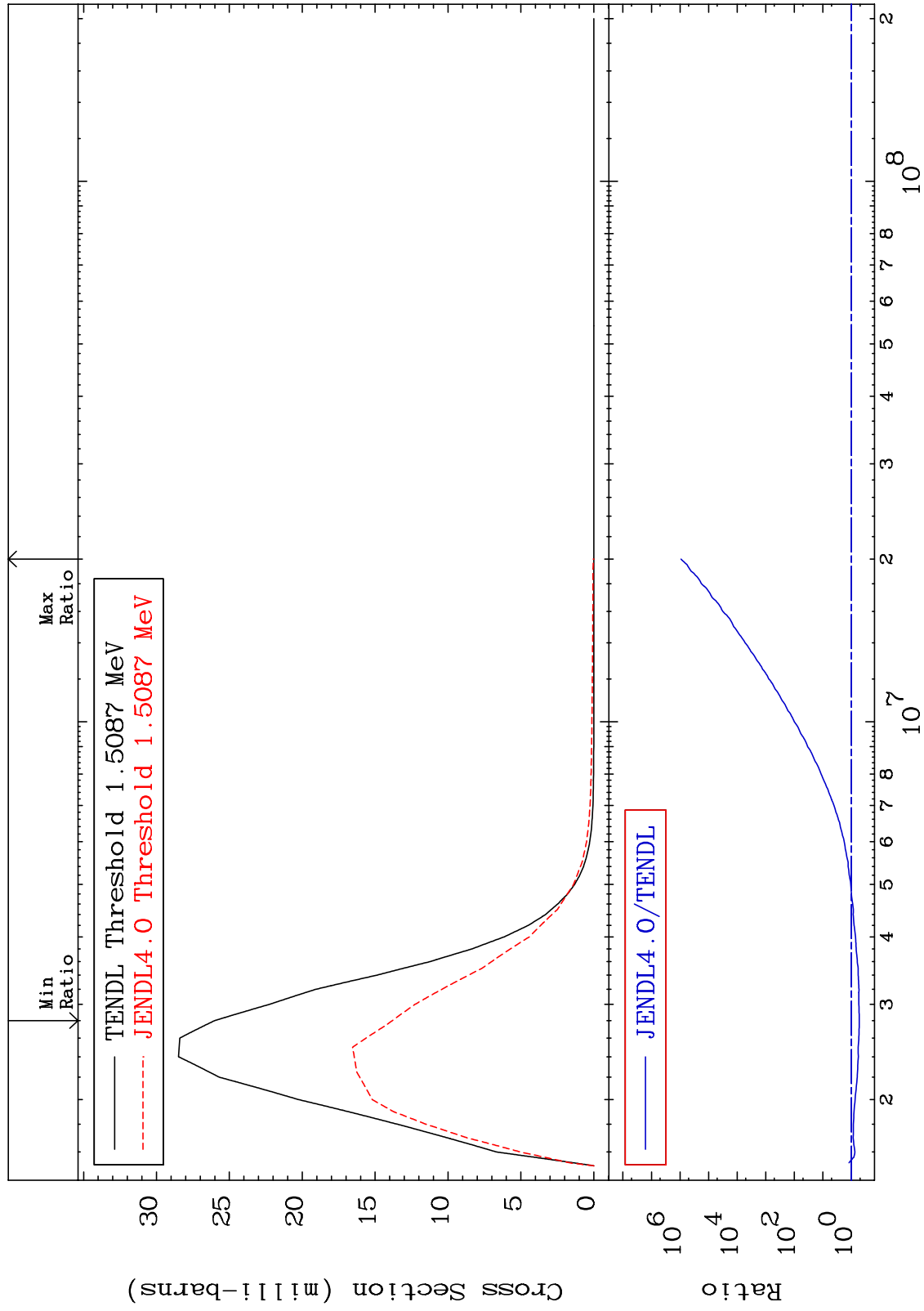
64-Gd-158
-46.68 To 9999. %



MAT 6443

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

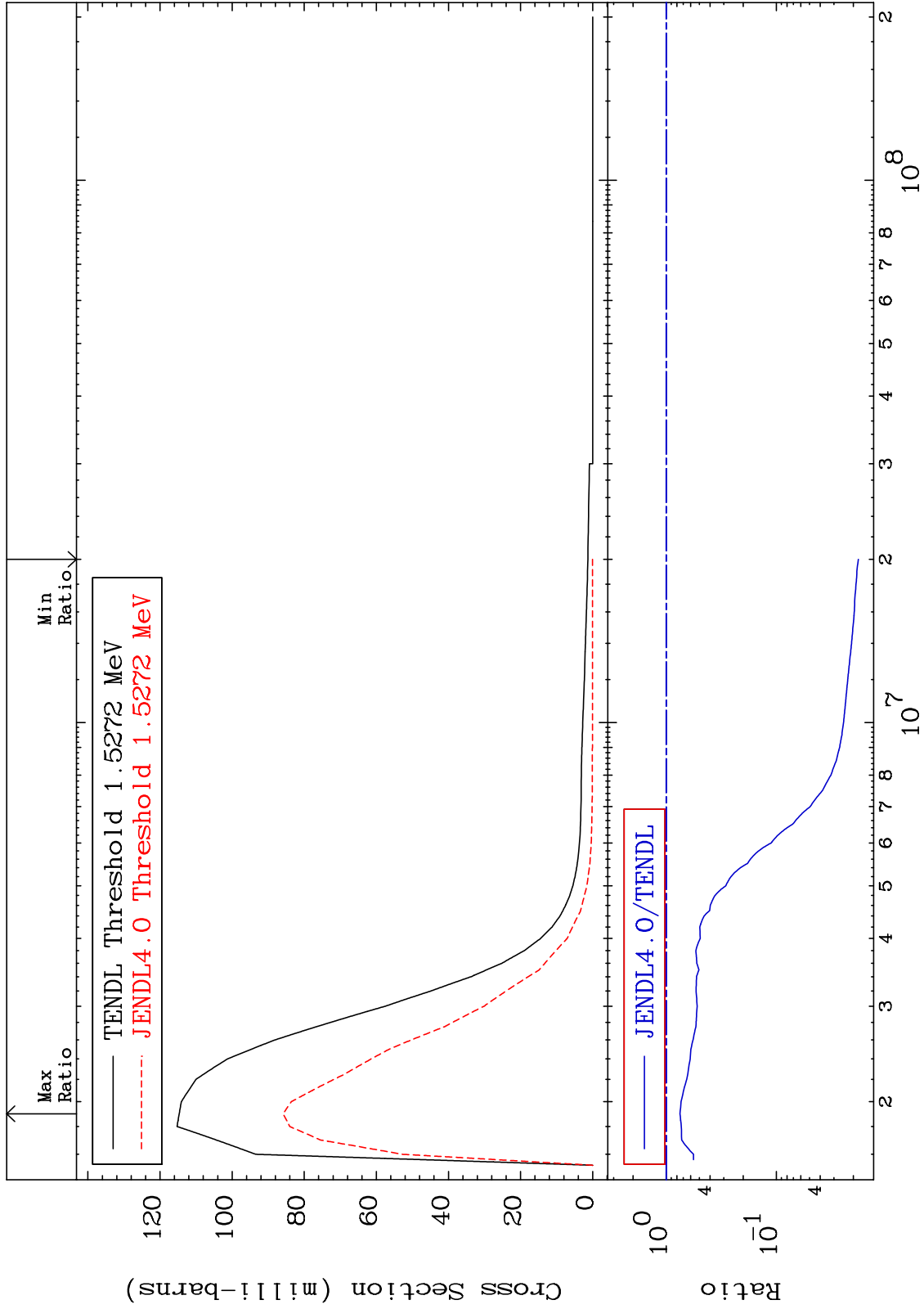
64-Gd-158
-46.85 To 9999. %



MAT 6443

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

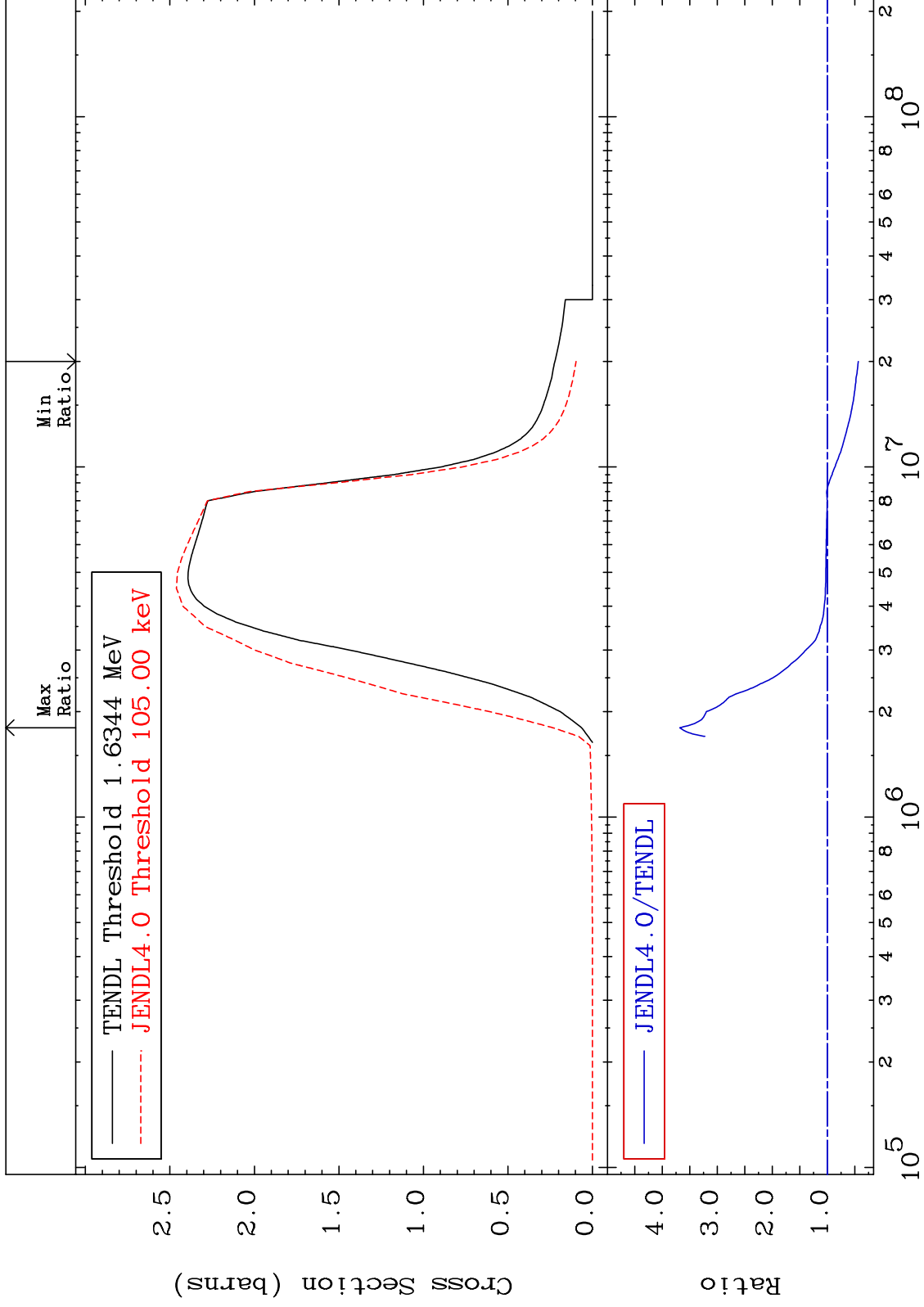
64-Gd-158
-98.20 To -25.14%



MAT 6443

(n, n') Continuum
Cross Section

64-Gd-158
-56.51 To 268.1 %



37

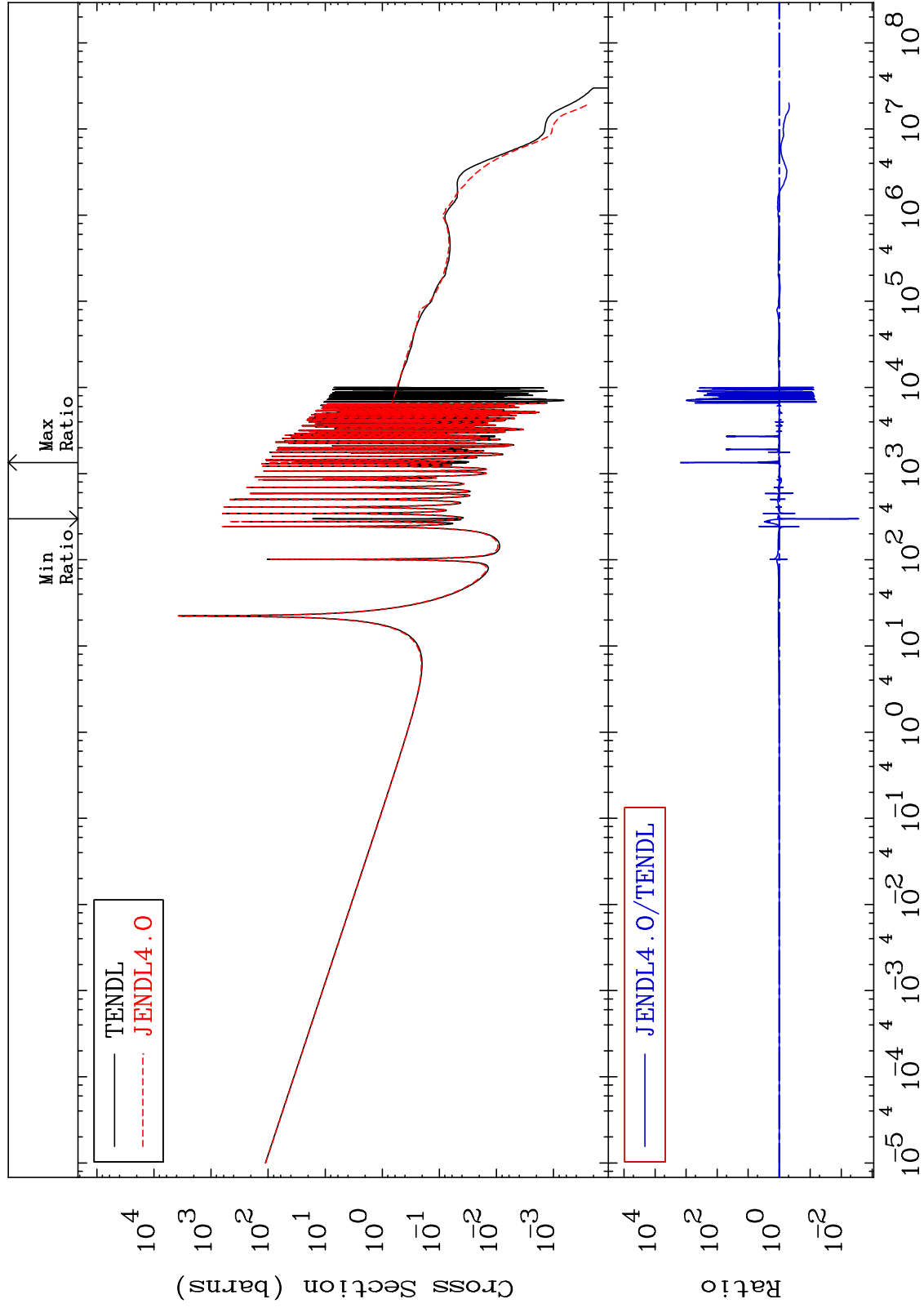
Incident Energy (eV)

64-Gd-158

MAT 6443

(n, γ)
Cross Section

64-Gd-158
-99.72 To 9999. %



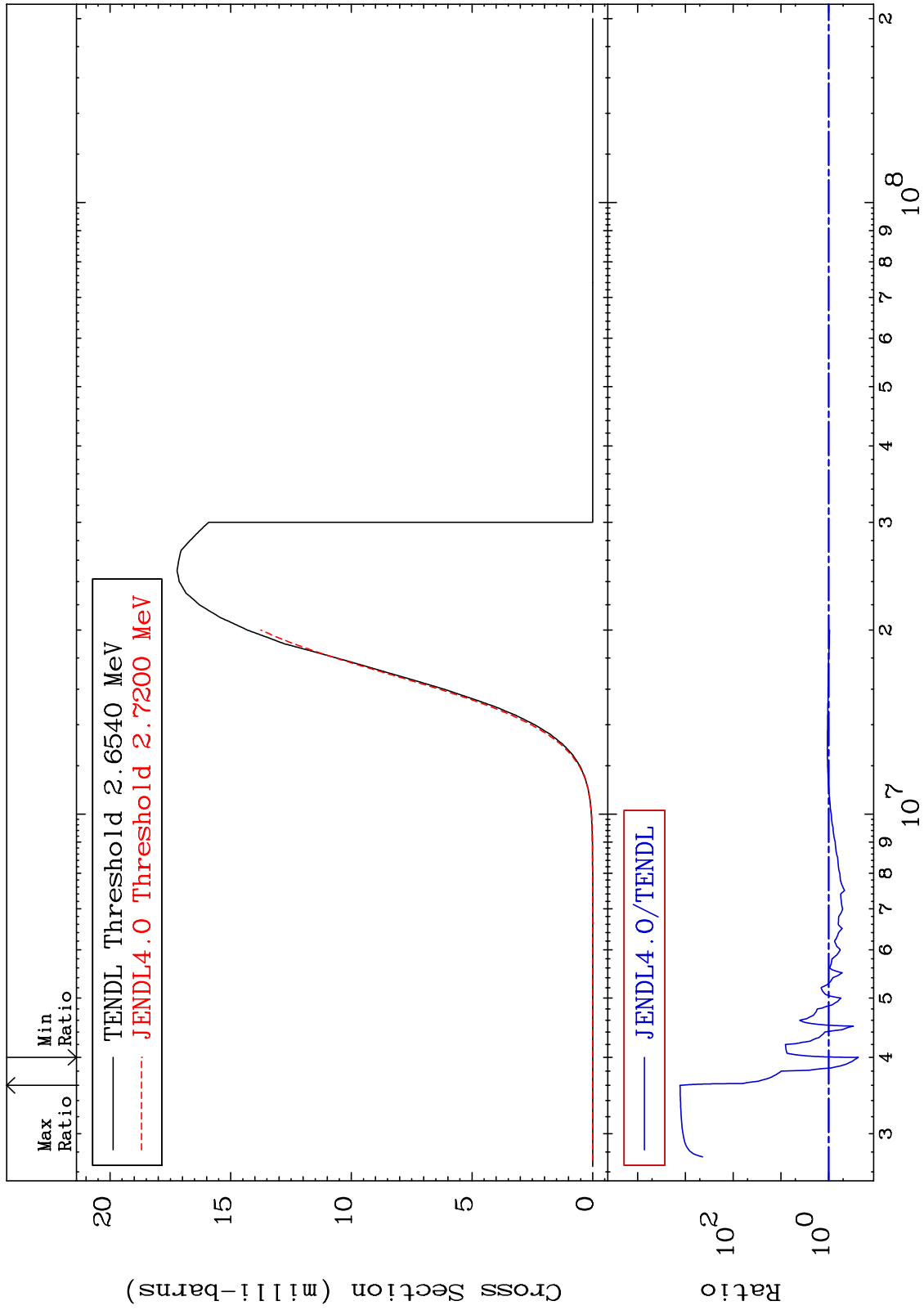
MAT 6443

(n,p)

64-Gd-158

Cross Section

-76.11 To 9999. %



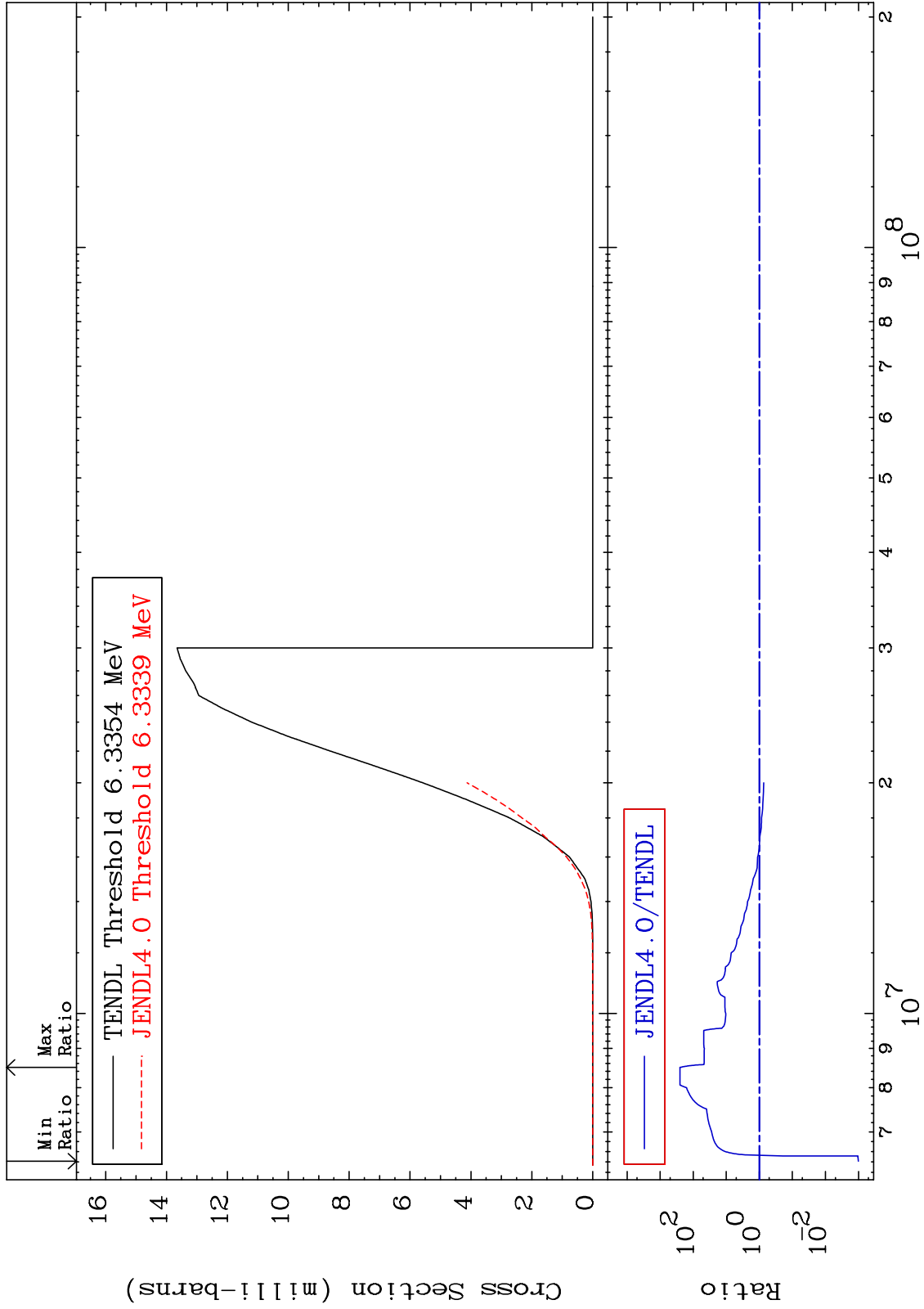
MAT 6443

(n, d)

64-Gd-158

Cross Section

-99.90 To 9999. %



40

Incident Energy (eV)

64-Gd-158

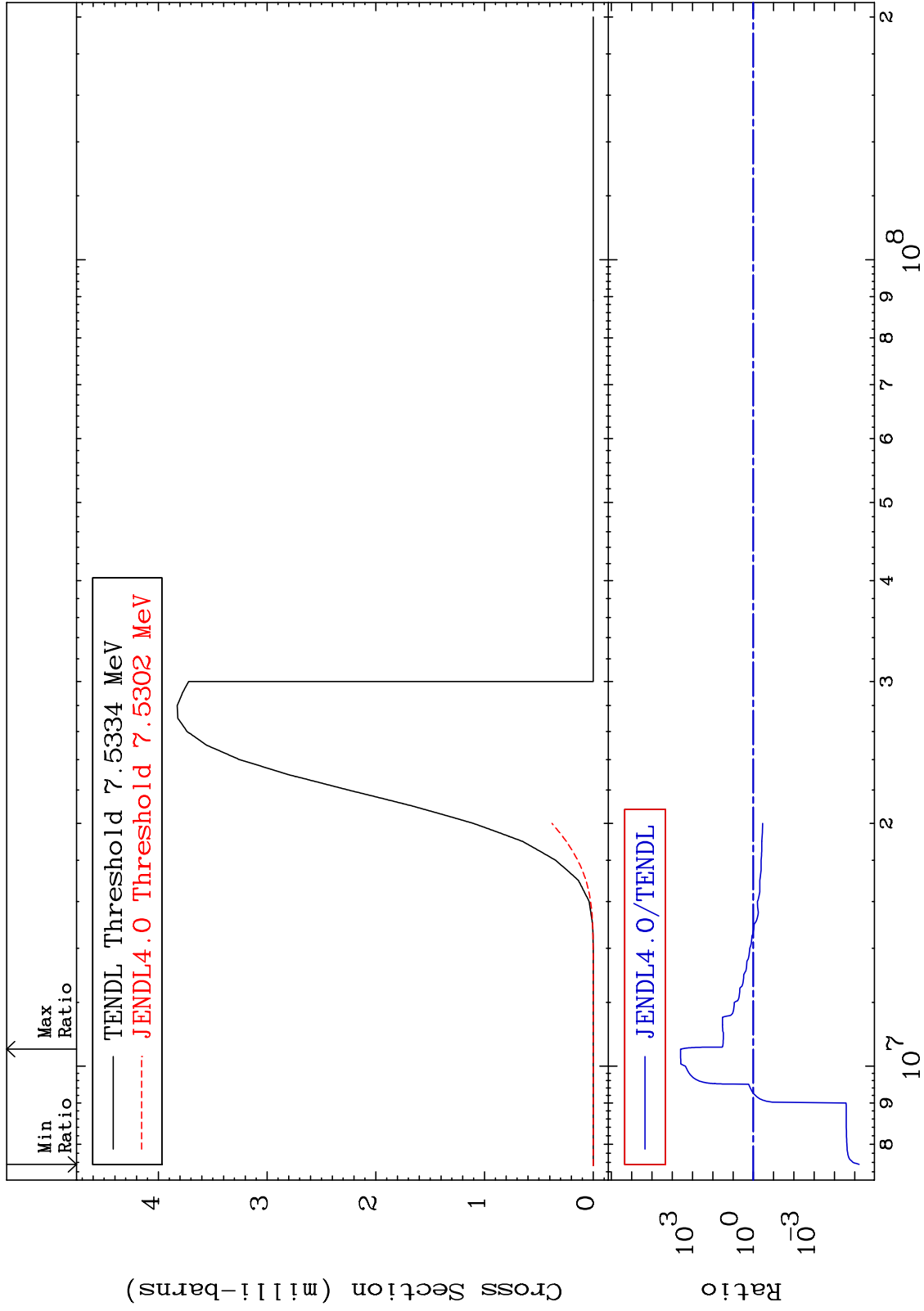
MAT 6443

(n, t)

64-Gd-158

Cross Section

-100.0 To 9999. %



41

Incident Energy (eV)

64-Gd-158

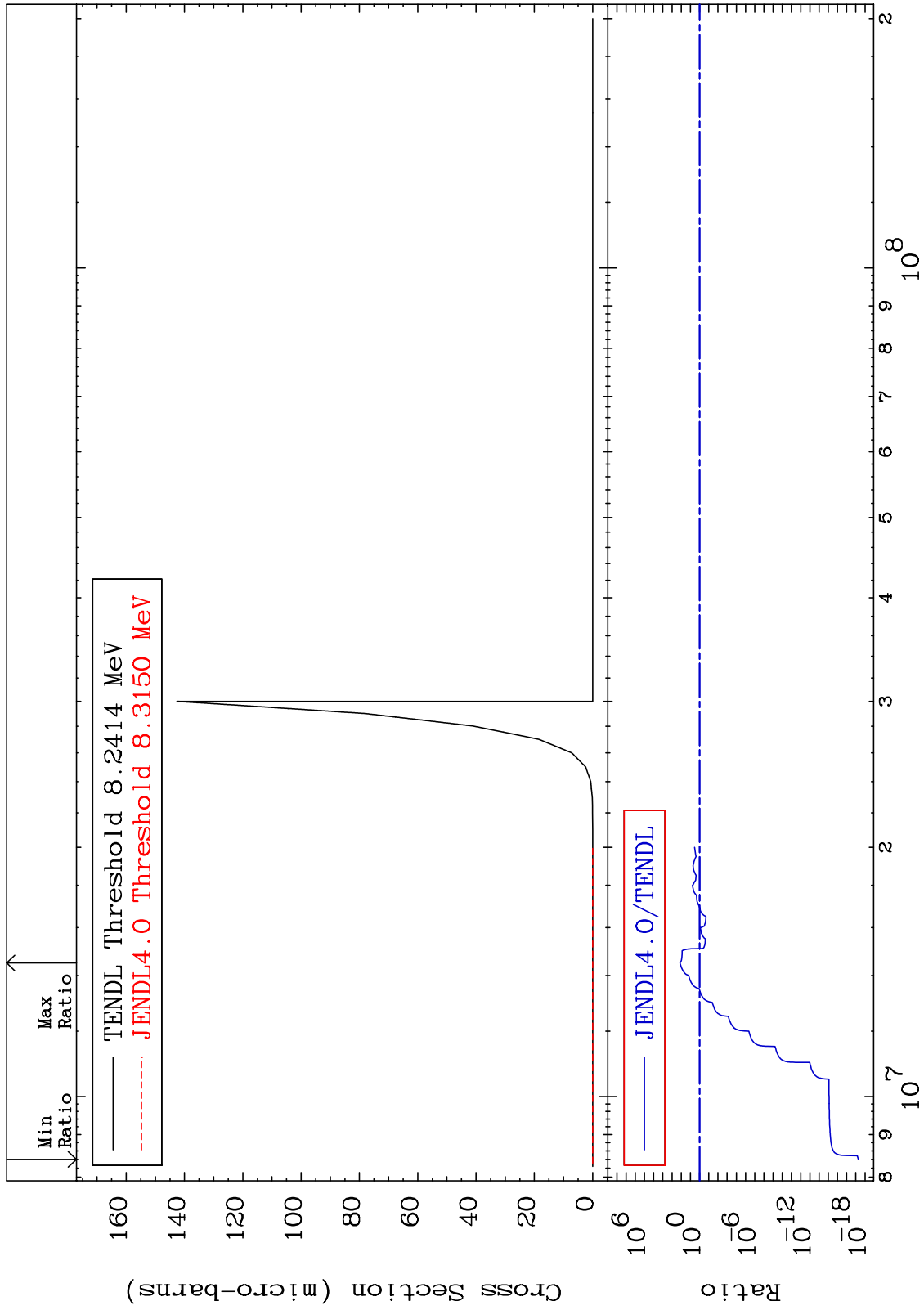
MAT 6443

(n, He-3)

64-Gd-158

Cross Section

-100.0 To 9999. %



Incident Energy (eV)

64-Gd-158

42

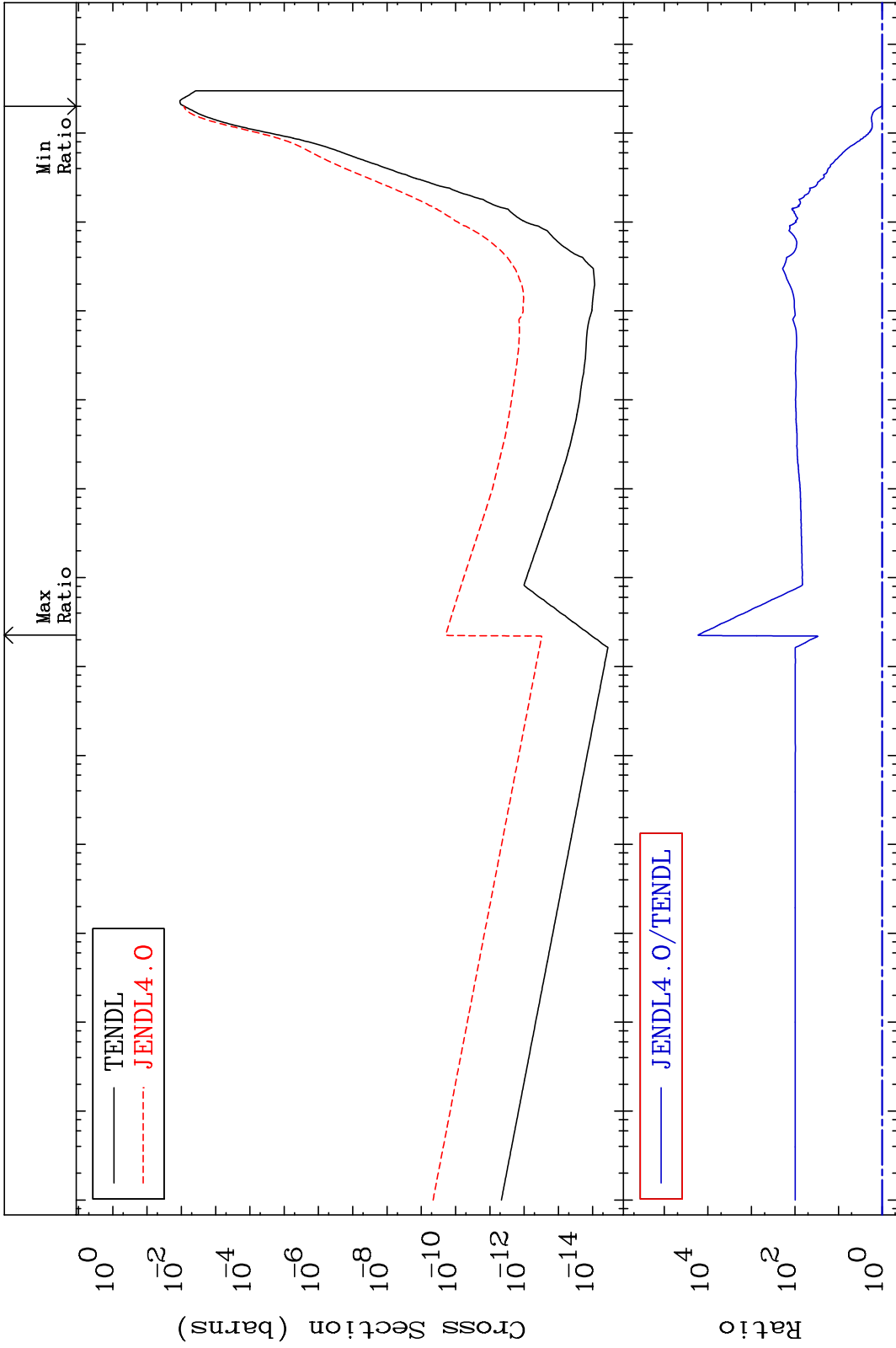
MAT 6443

(n, α)

64-Gd-158

Cross Section

3.249 To 9999. %



Incident Energy (eV)

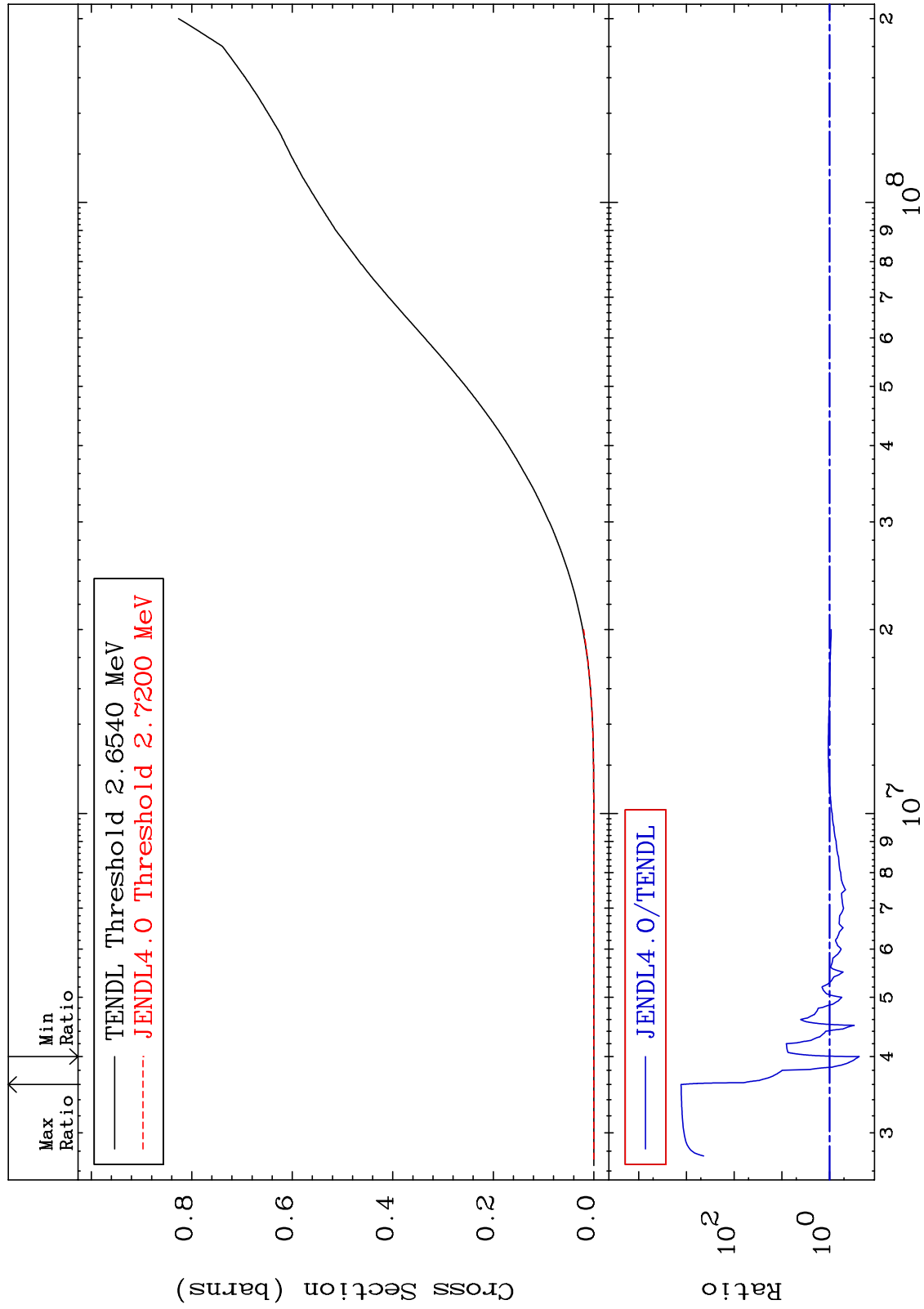
64-Gd-158

43

MAT 6443

Hydrogen Production Cross Section

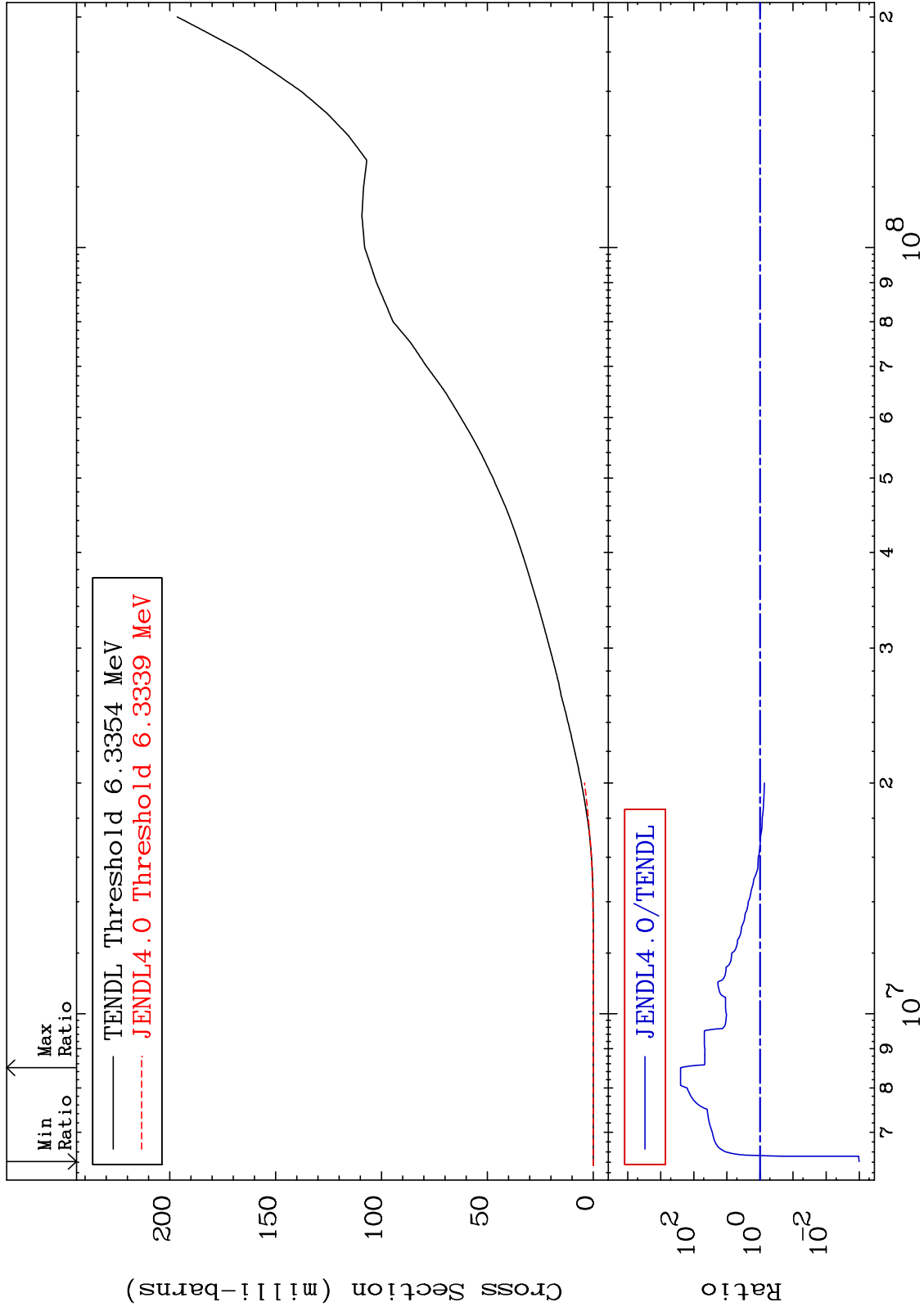
64-Gd-158
-76.11 To 9999. %



MAT 6443

Deuterium Production
Cross Section

64-Gd-158
-99.90 To 9999. %



45

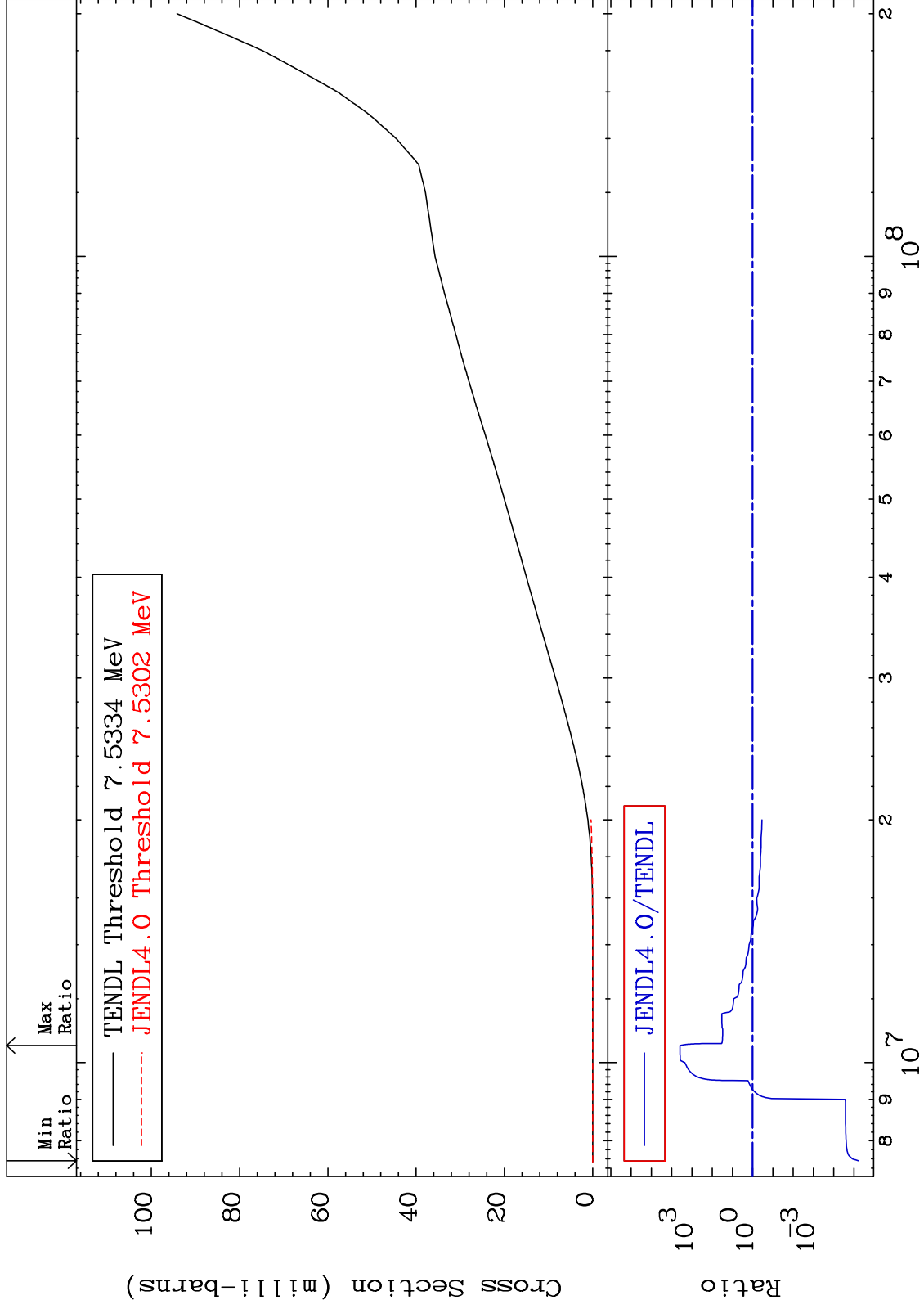
Incident Energy (eV)

64-Gd-158

MAT 6443

Tritium Production
Cross Section

64-Gd-158
-100.0 To 9999. %



46

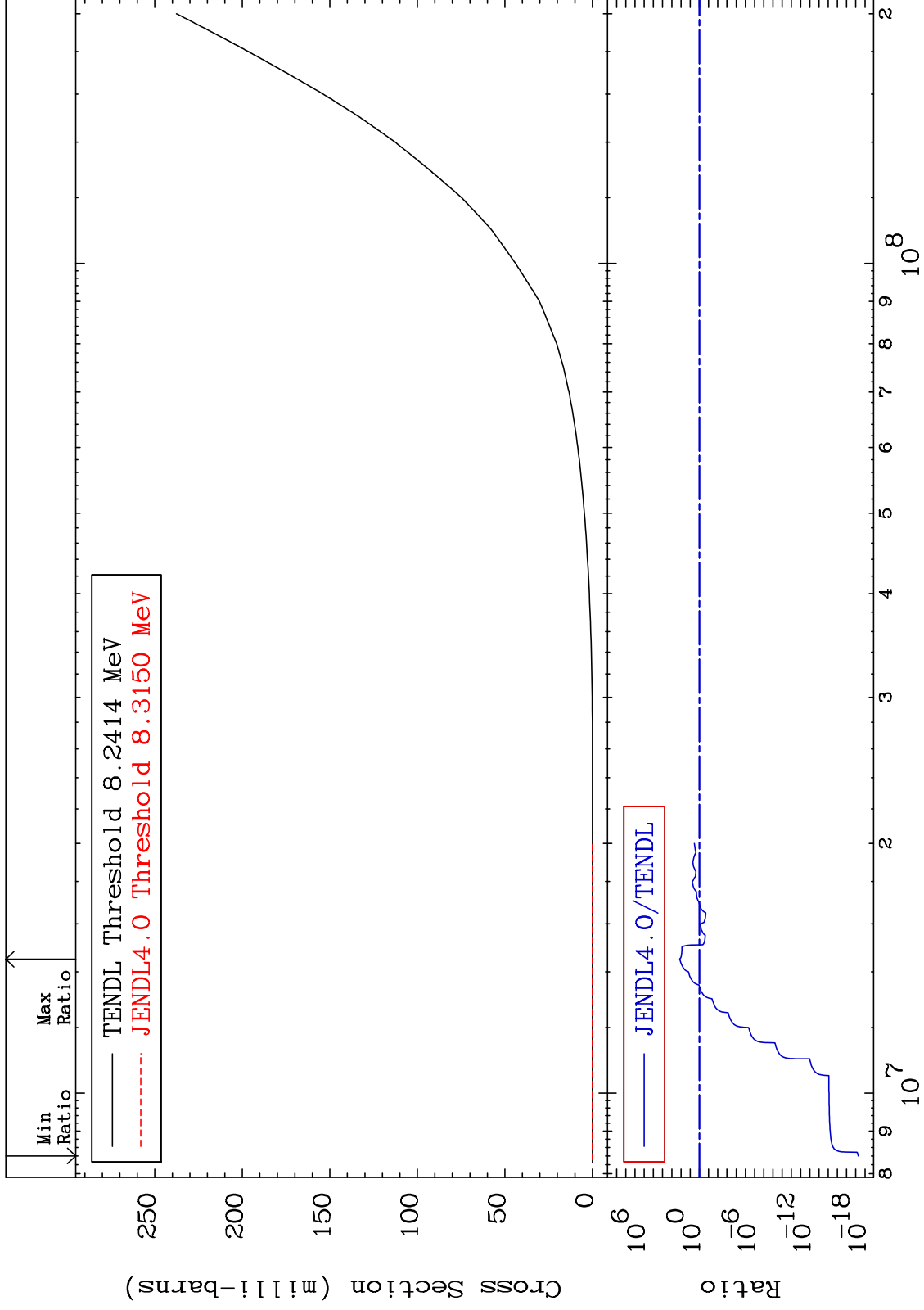
Incident Energy (eV)

64-Gd-158

MAT 6443

He-3 Production
Cross Section

64-Gd-158
-100.0 To 9999. %



47

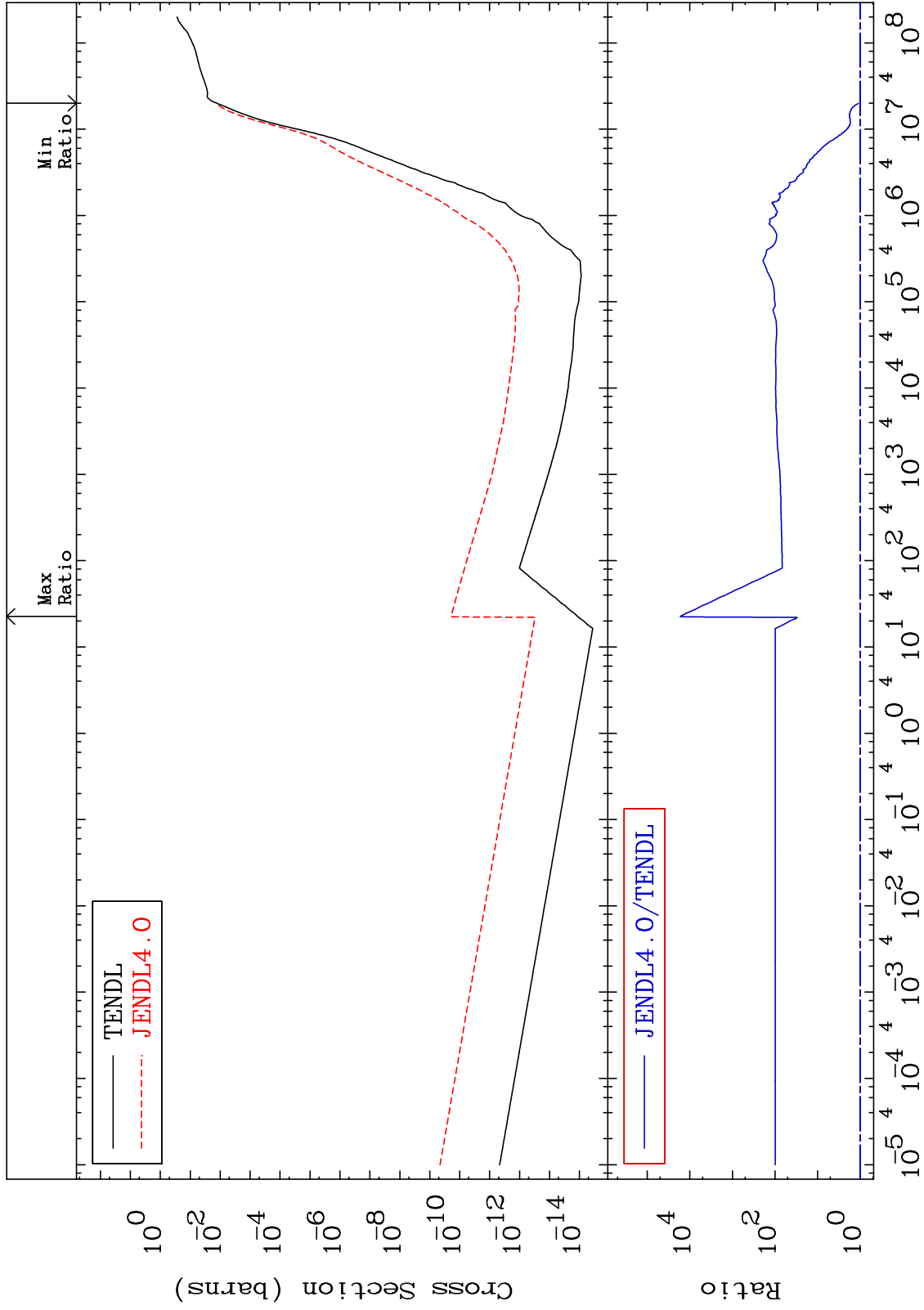
Incident Energy (eV)

64-Gd-158

MAT 6443

He-4 Production
Cross Section

64-Gd-158
9.437 To 9999. %



48

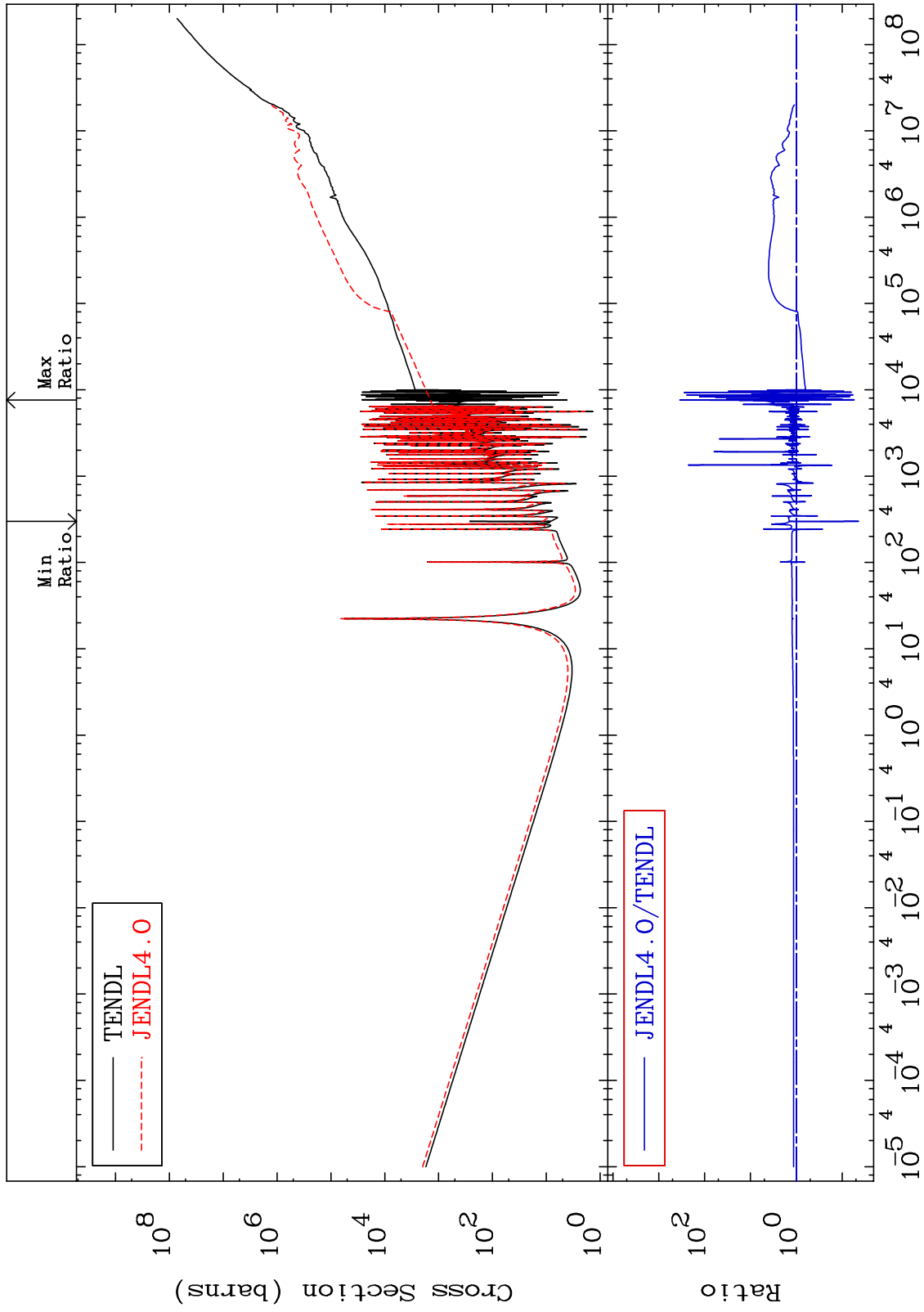
Incident Energy (eV)

64-Gd-158

MAT 6443

Kerma total (eV-barns)
Cross Section

64-Gd-158
-95.57 To 9999. %



49

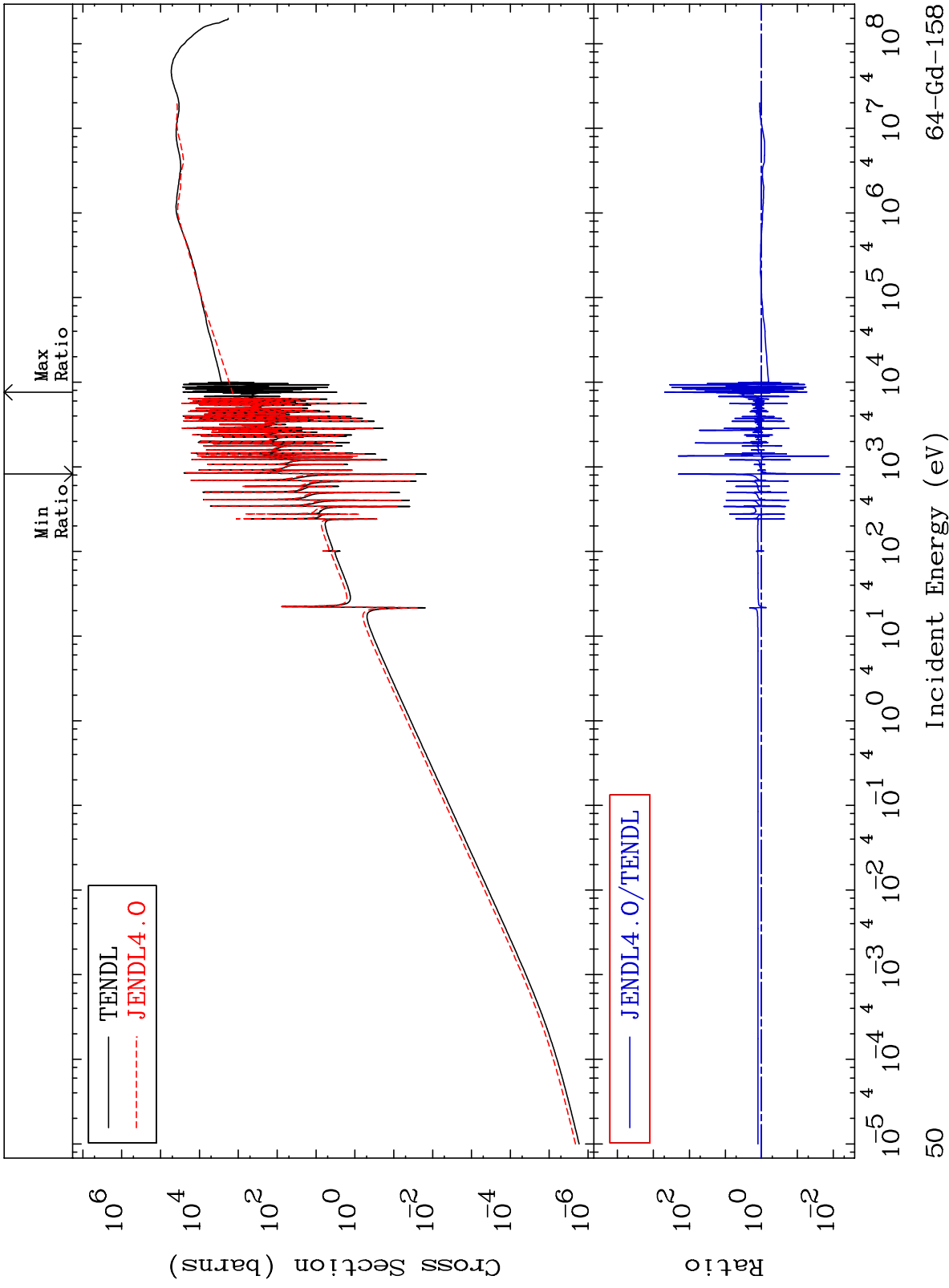
Incident Energy (eV)

64-Gd-158

MAT 6443

Kerma elastic
Cross Section

64-Gd-158
-99.33 To 9999. %



50

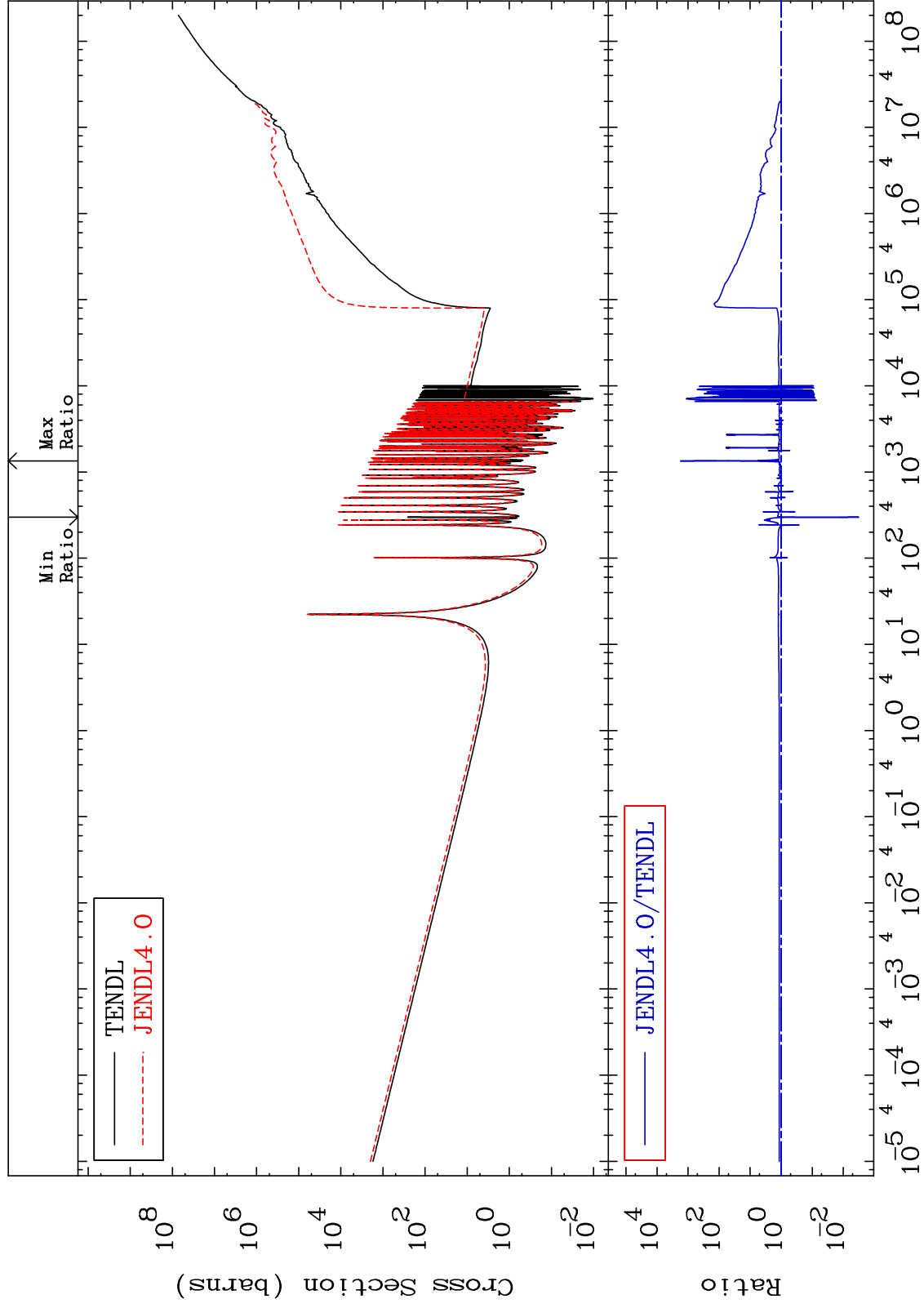
Incident Energy (eV)

64-Gd-158

MAT 6443

Kerma non-elastic (all but mt2)
Cross Section

64-Gd-158
-99.68 To 9999. %



51

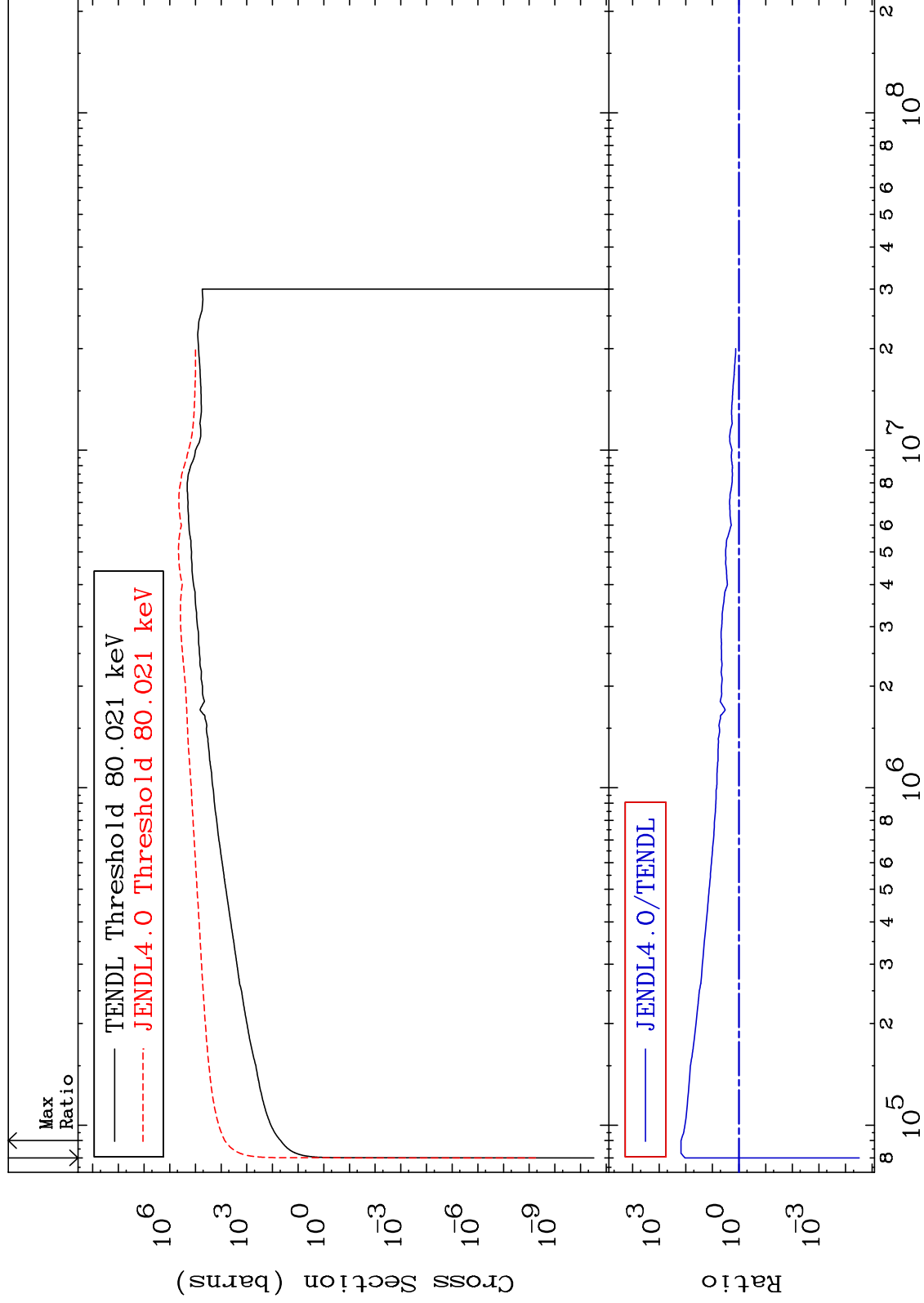
Incident Energy (eV)

64-Gd-158

MAT 6443

Kerma inelastic (mt51-91)
Cross Section

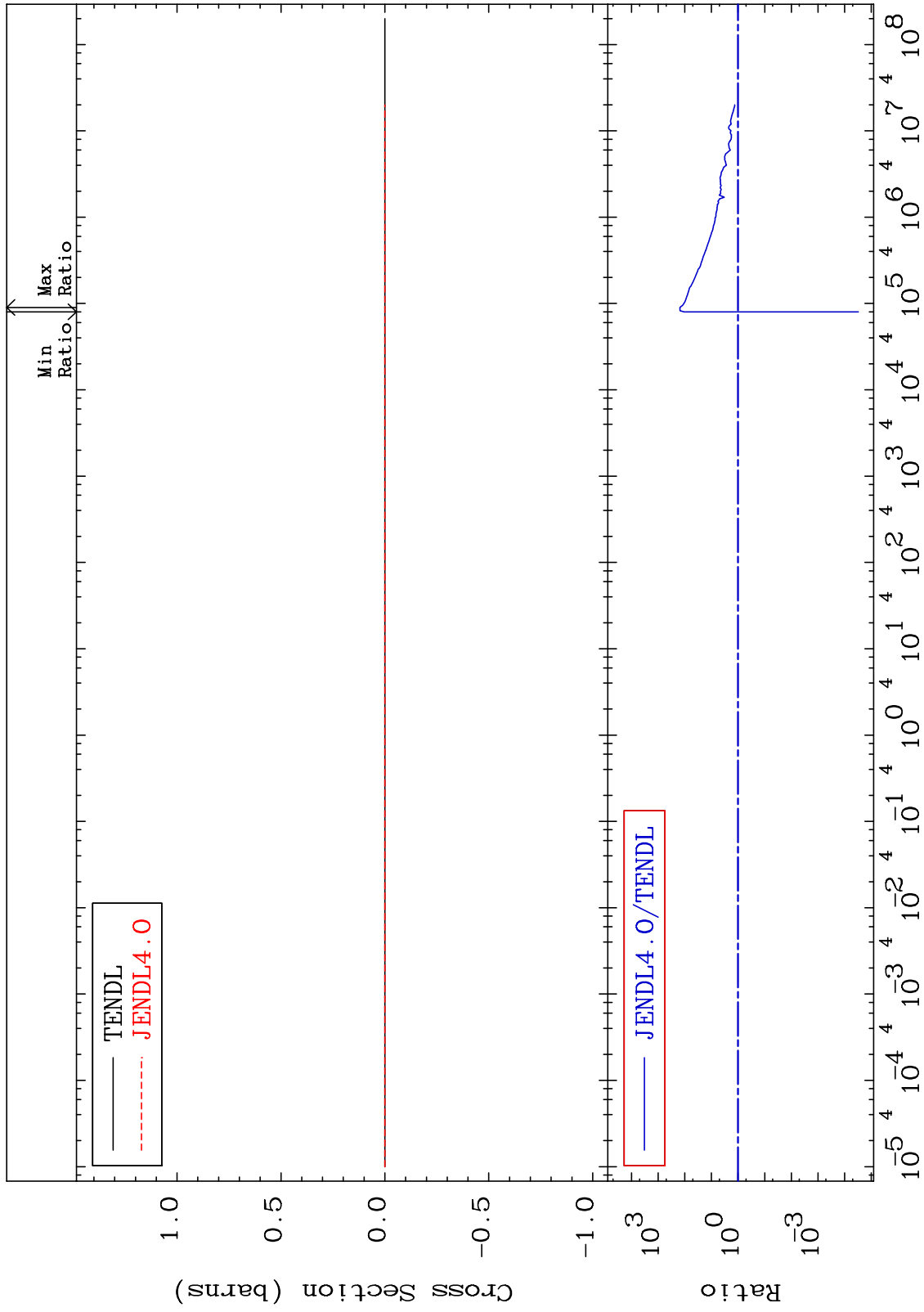
64-Gd-158
-100.0 To 9999. %



MAT 6443

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

64-Gd-158
-100.0 To 9999. %



53

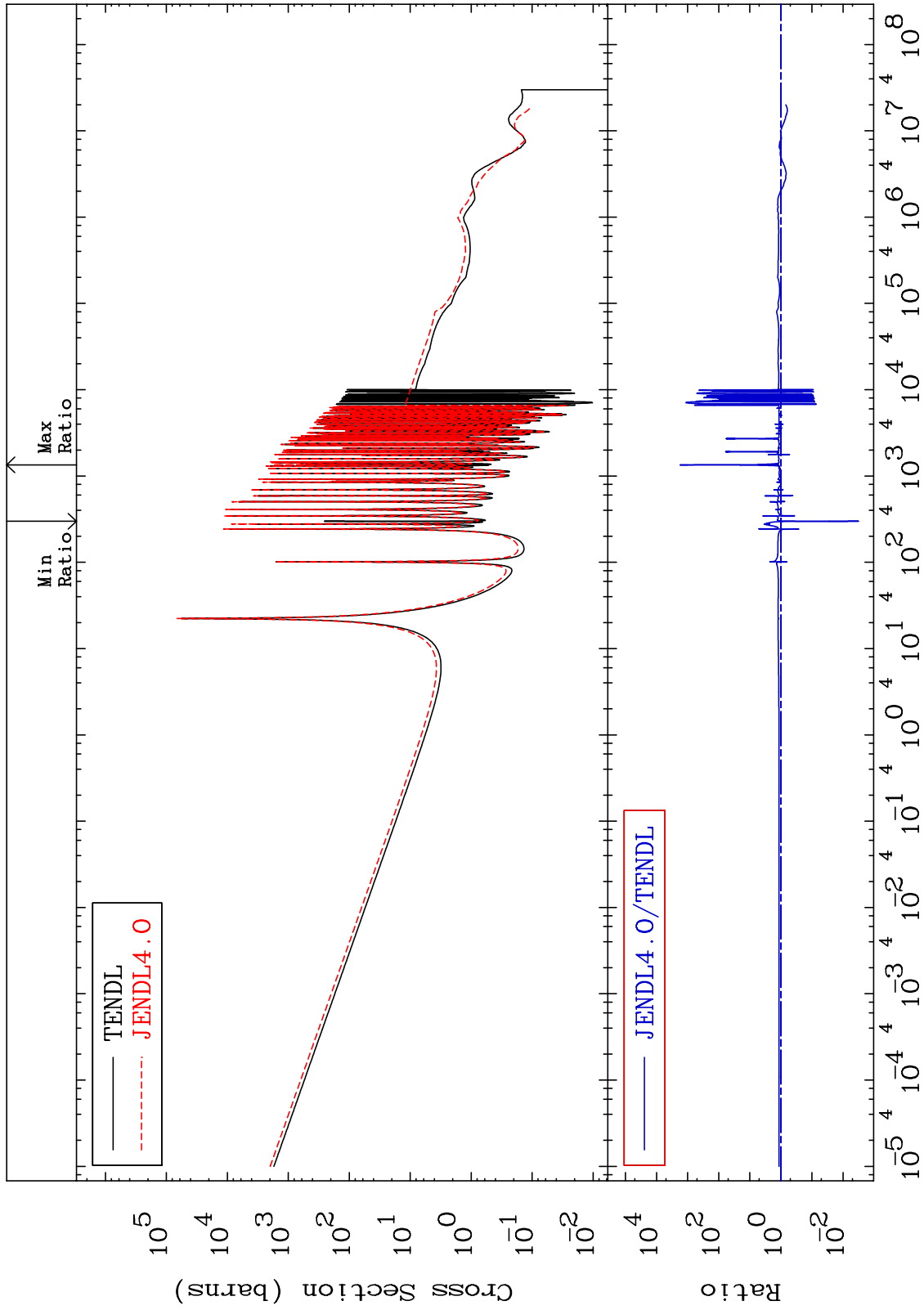
Incident Energy (eV)

64-Gd-158

MAT 6443

Kerma capture (mt102)
Cross Section

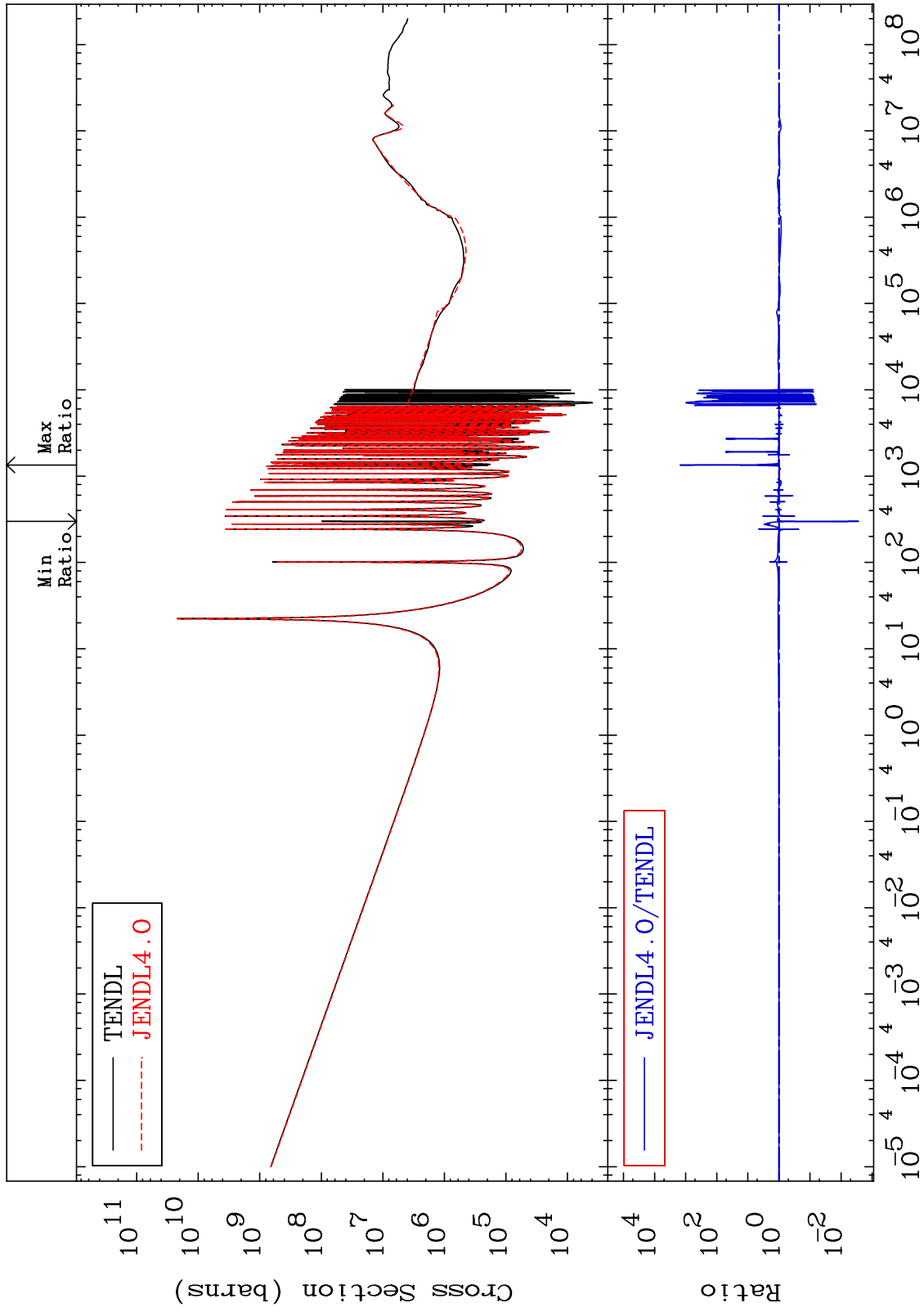
64-Gd-158
-99.68 To 9999. %



MAT 6443

Total photon (eV-barns)
Cross Section

64-Gd-158
-99.72 To 9999. %



55

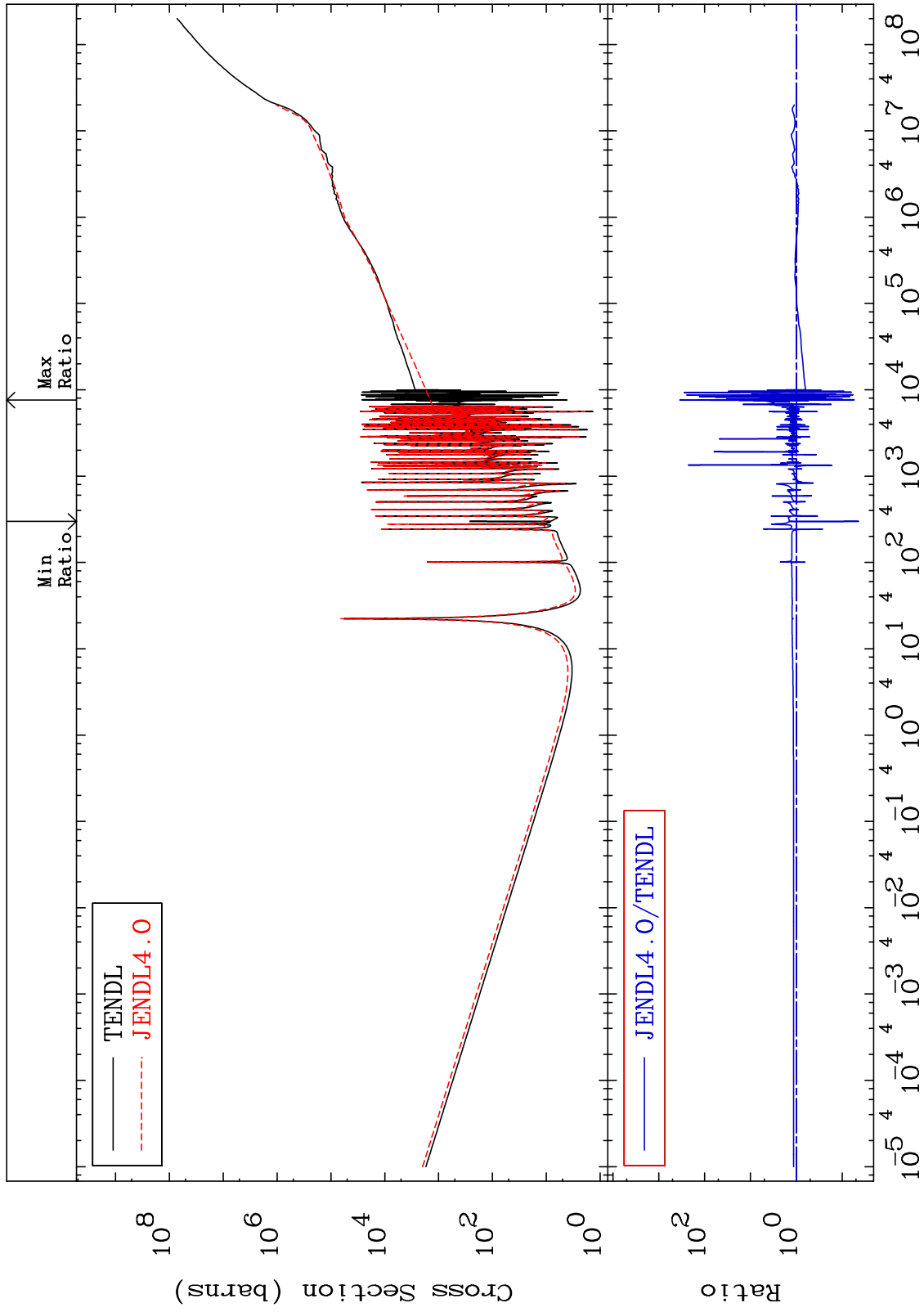
Incident Energy (eV)

64-Gd-158

MAT 6443

Total kinematic kerma (high limit)
Cross Section

64-Gd-158
-95.57 To 9999. %



56

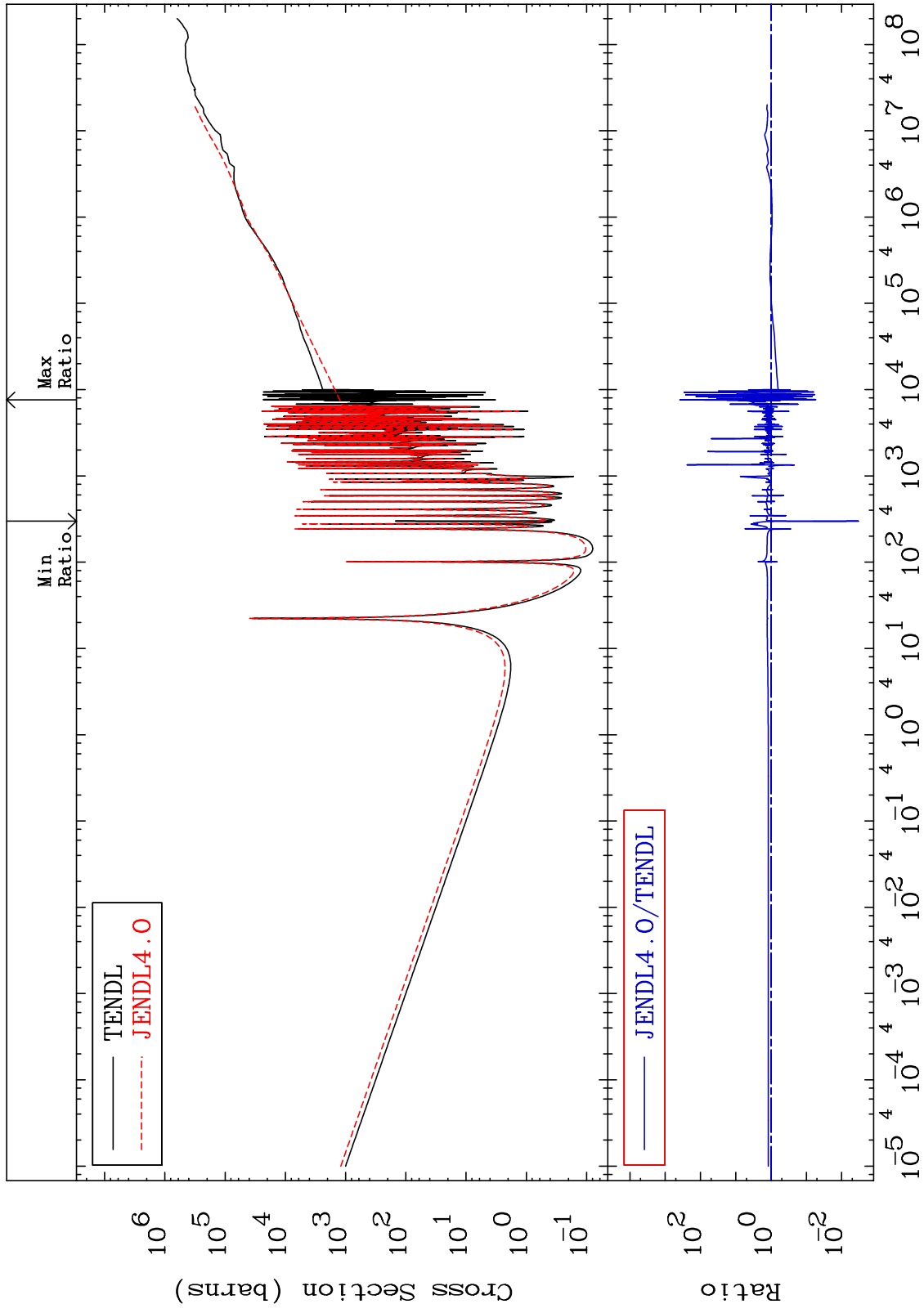
Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa total (eV-barns)
Cross Section

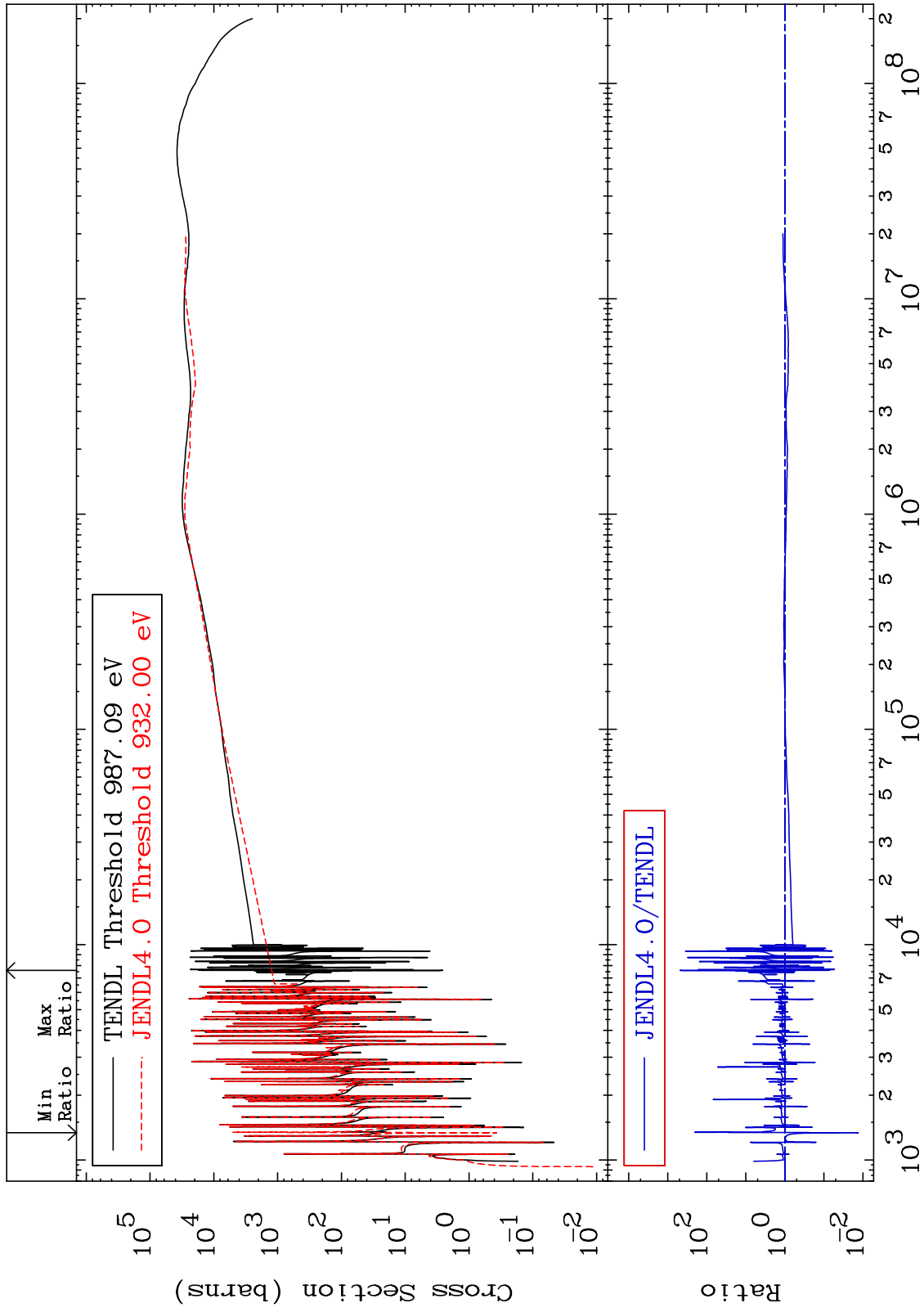
64-Gd-158
-99.66 To 9999. %



MAT 6443

Dpa elastic (mt2)
Cross Section

64-Gd-158
-98.69 To 9999. %



58

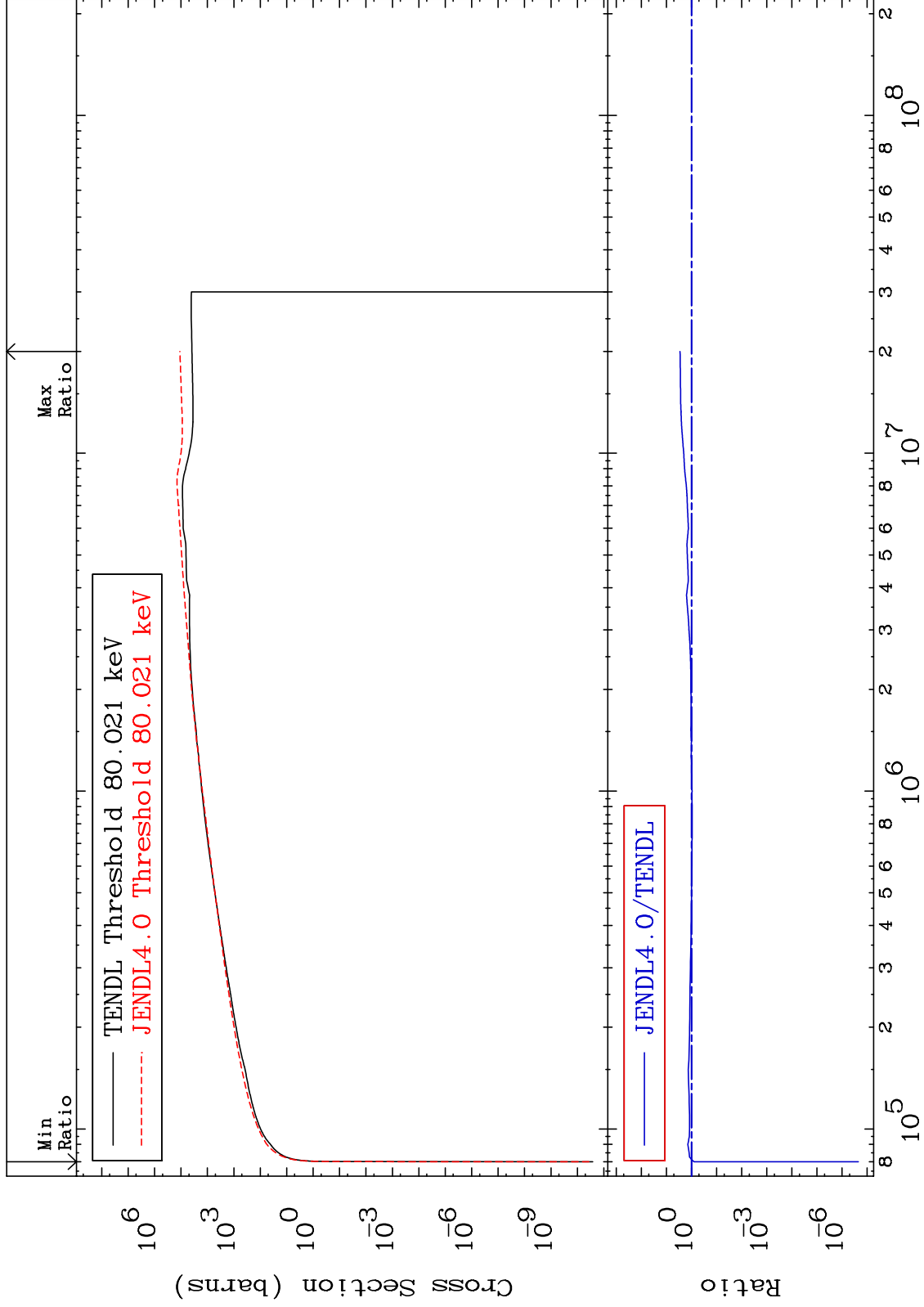
Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa inelastic (mt51-91)
Cross Section

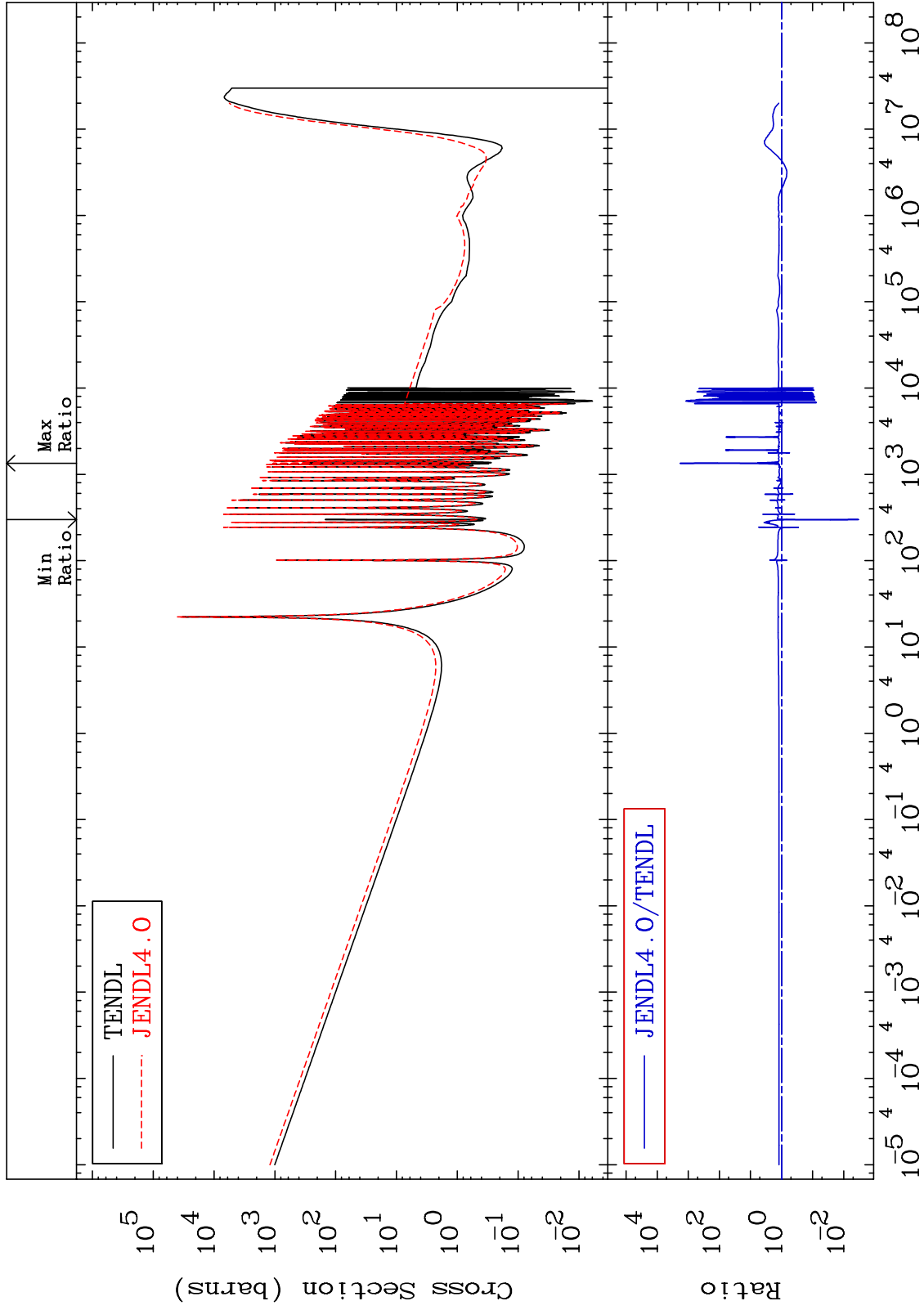
64-Gd-158
-100.0 To 185.8 %



MAT 6443

Dpa disappearance (mt102 -120)
Cross Section

64-Gd-158
-99.66 To 9999. %



60

Incident Energy (eV)

64-Gd-158