

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

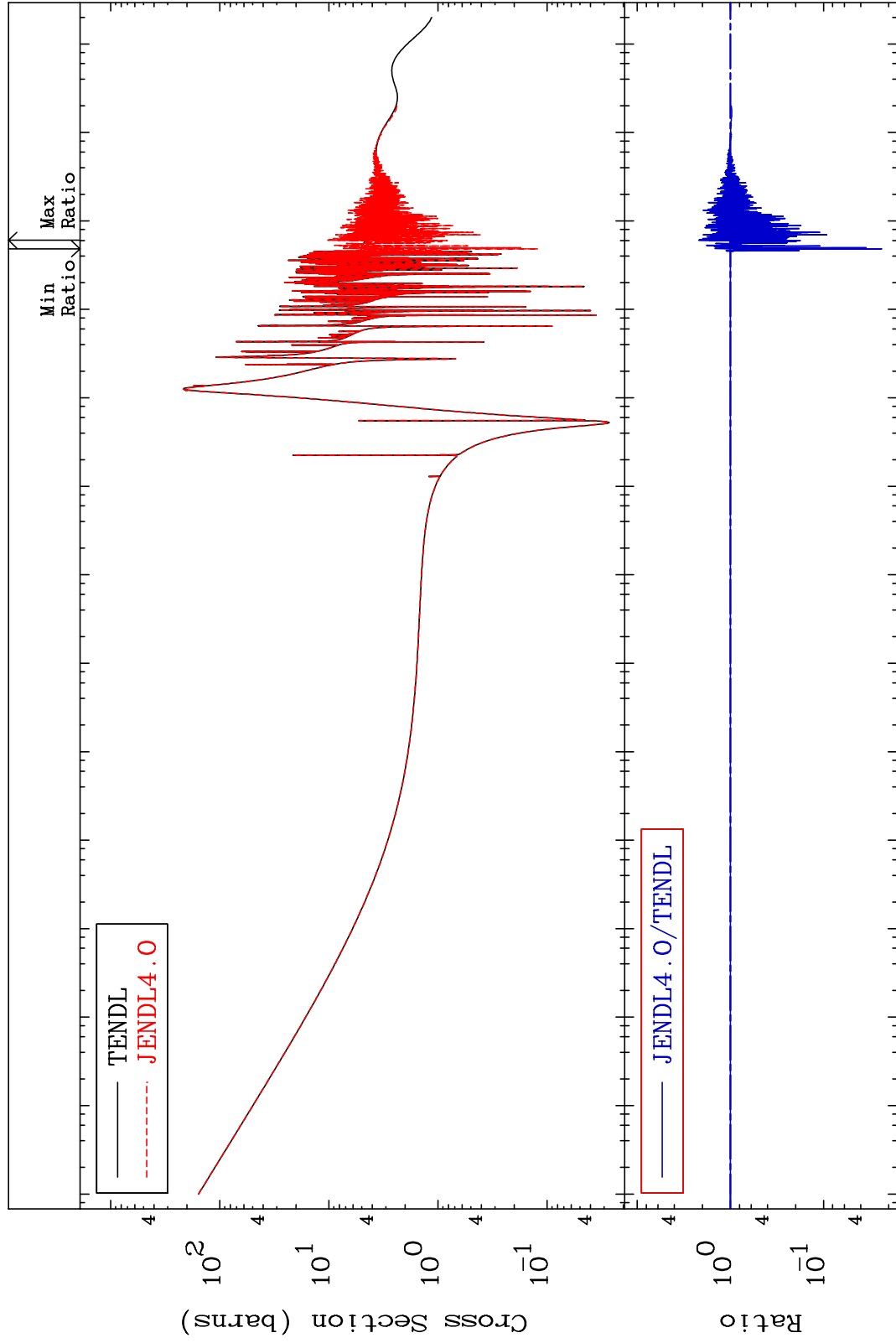
MAT 2831

Total

28-Ni-60

Cross Section

-97.61 To 118.9 %



Incident Energy (eV)

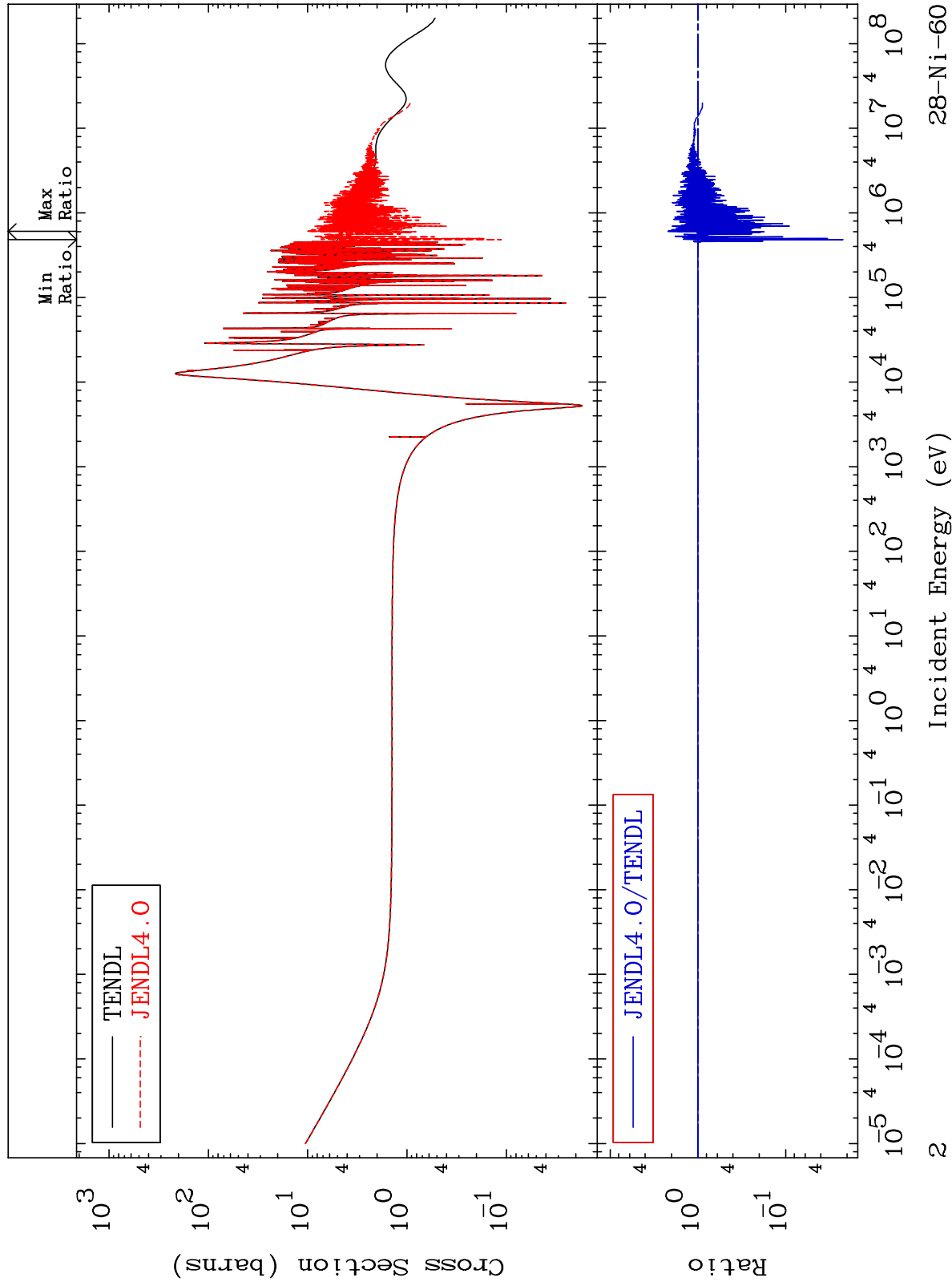
28-Ni-60

1

MAT 2831

Elastic
Cross Section

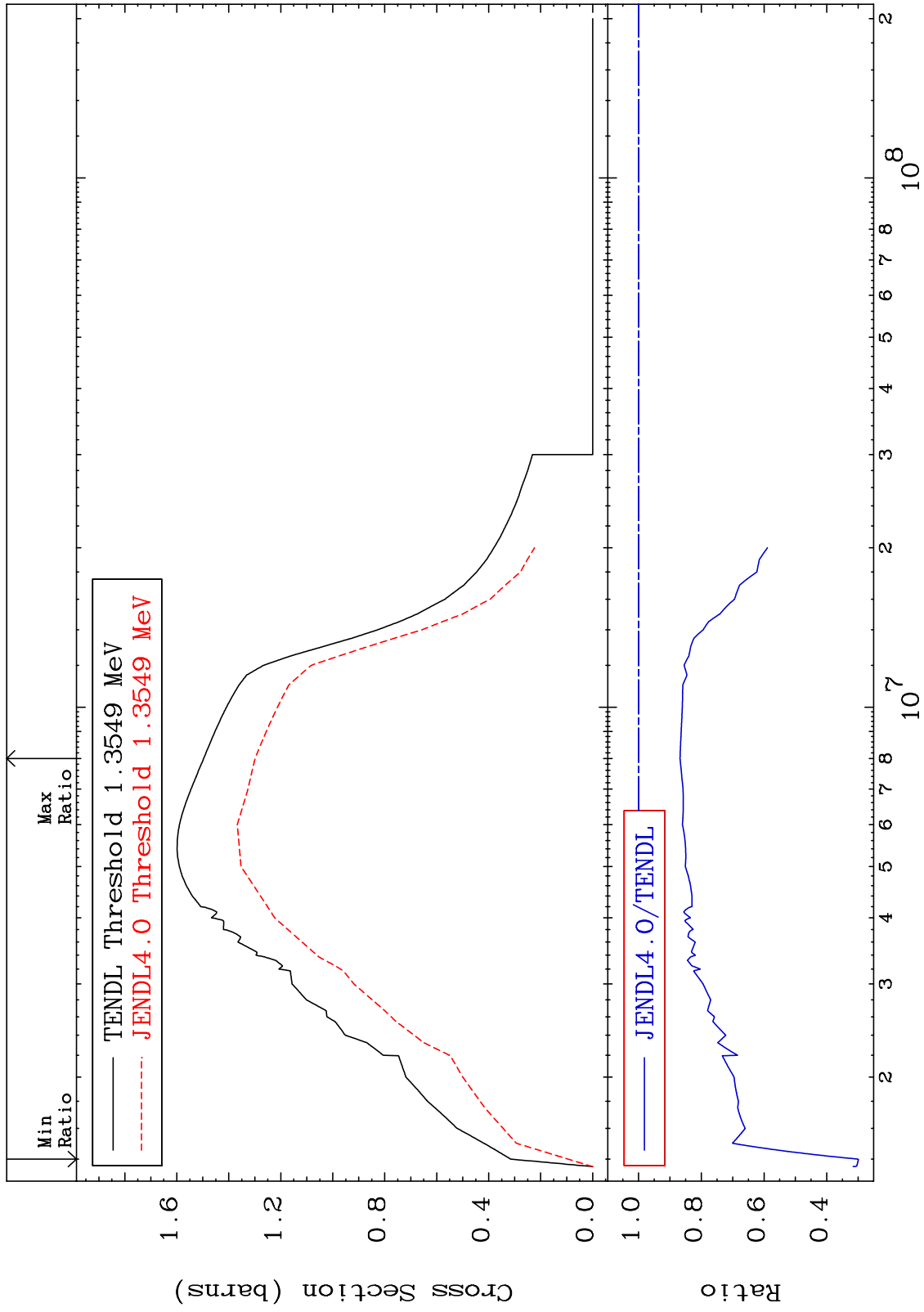
28-Ni-60
-97.76 To 119.2 %



MAT 2831

Inelastic
Cross Section

28-Ni-60
-70.08 To -13.21%



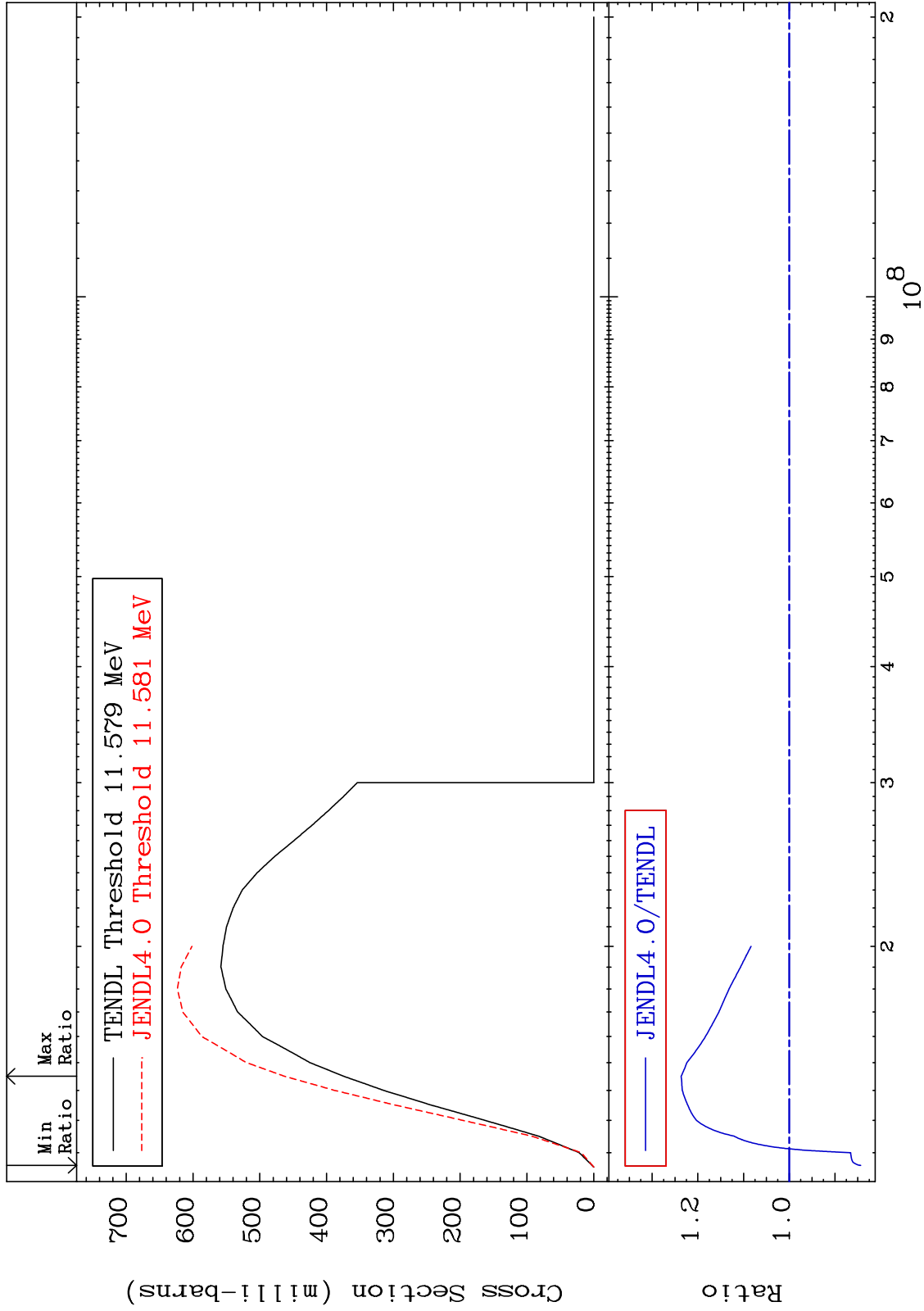
MAT 2831

(n,2n)

28-Ni-60

Cross Section

-15.48 To 23.64 %



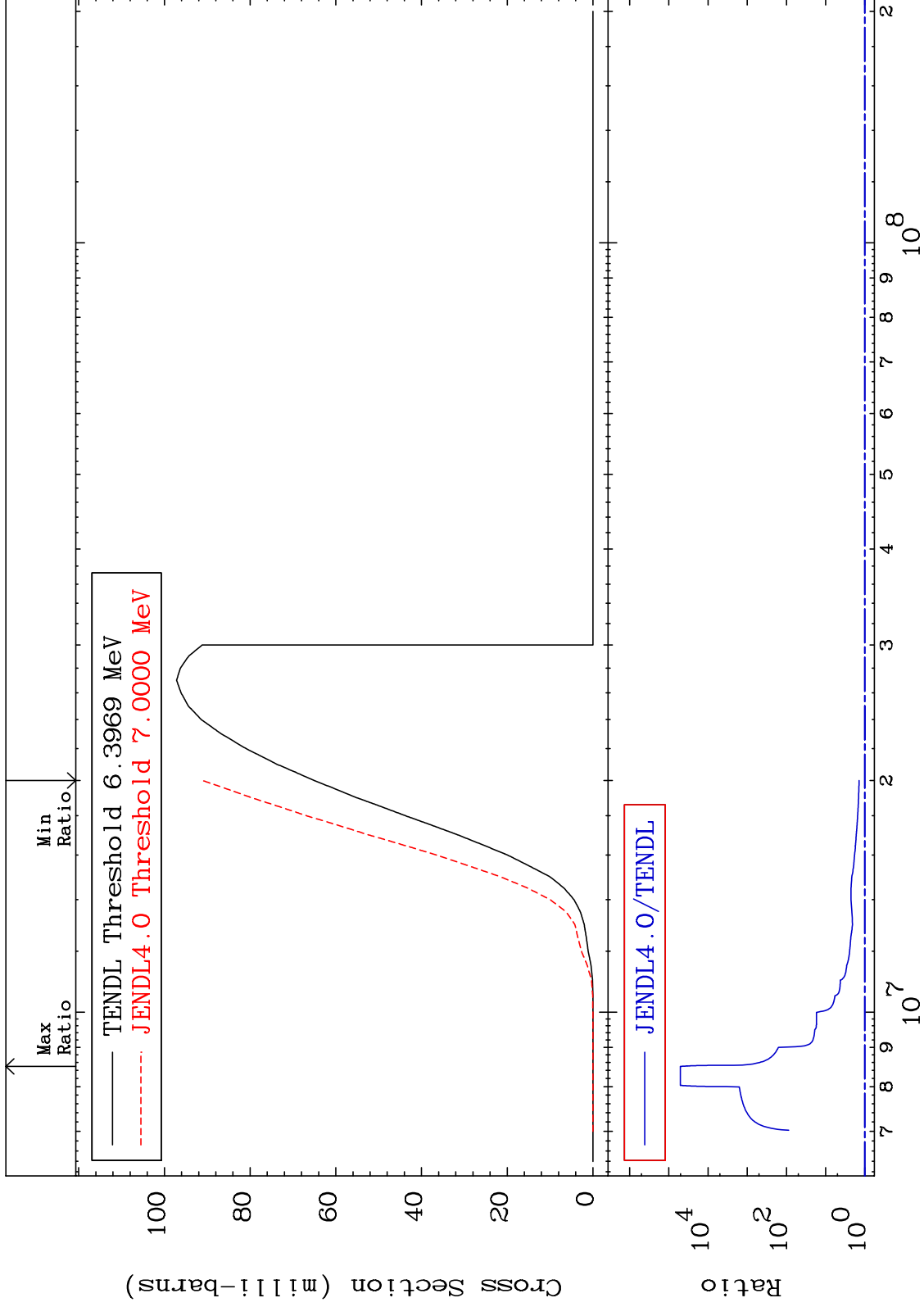
MAT 2831

(n,n') α

28-Ni-60

Cross Section

40.05 To 9999. %



28-Ni-60

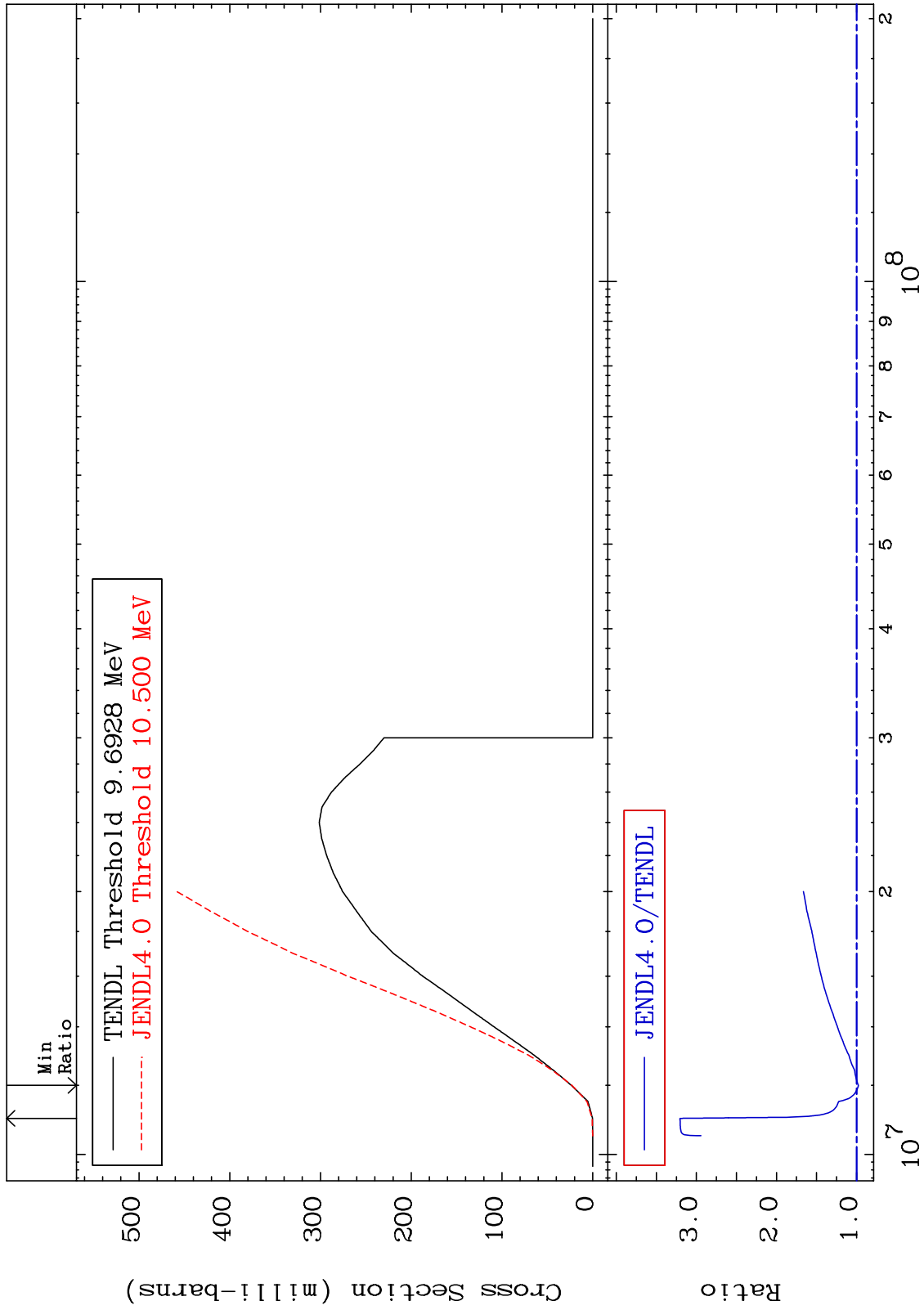
Incident Energy (eV)

5

MAT 2831

(n,n') p
Cross Section

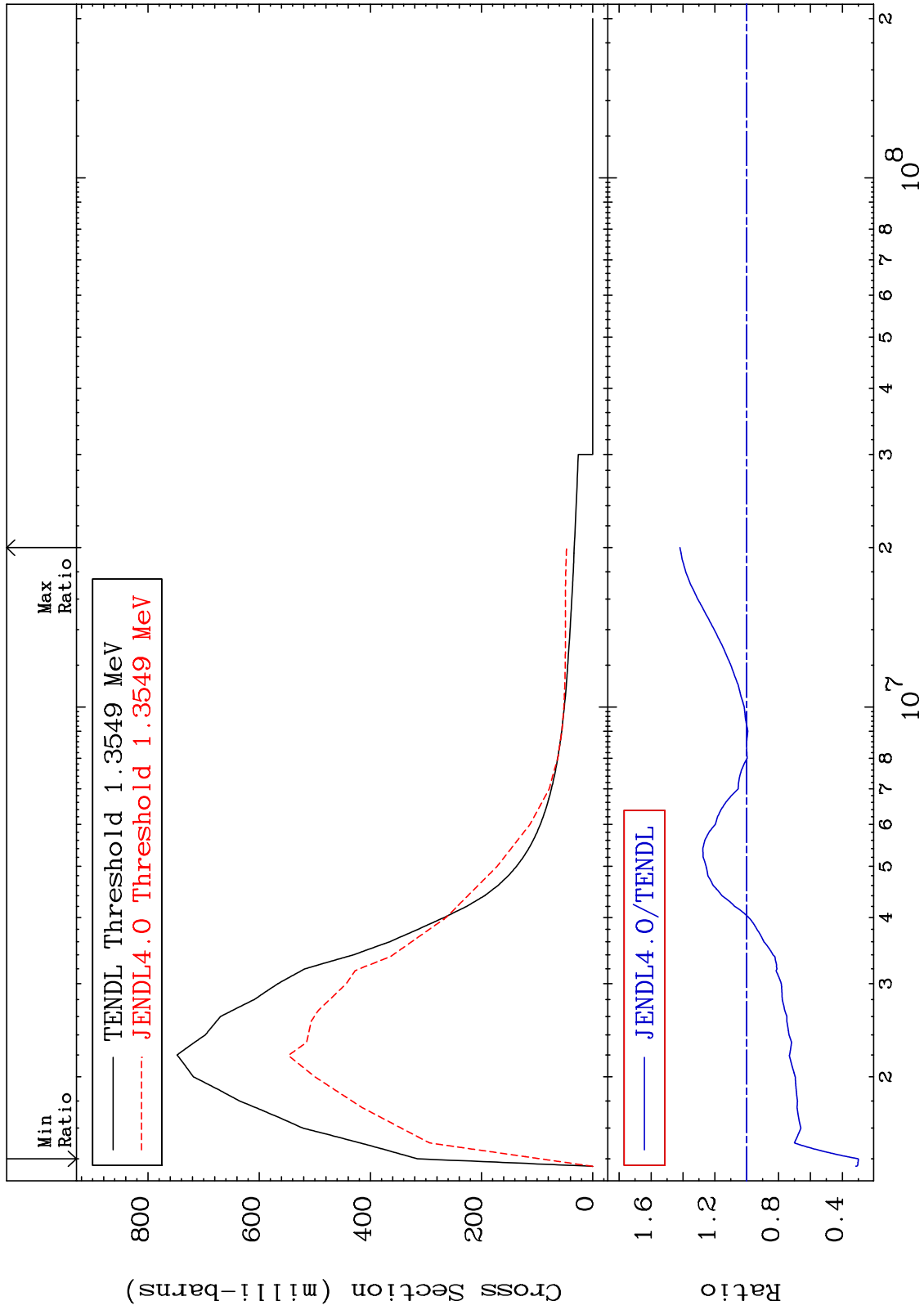
28-Ni-60
-2.360 To 220.5 %



28-Ni-60

28-Ni-60

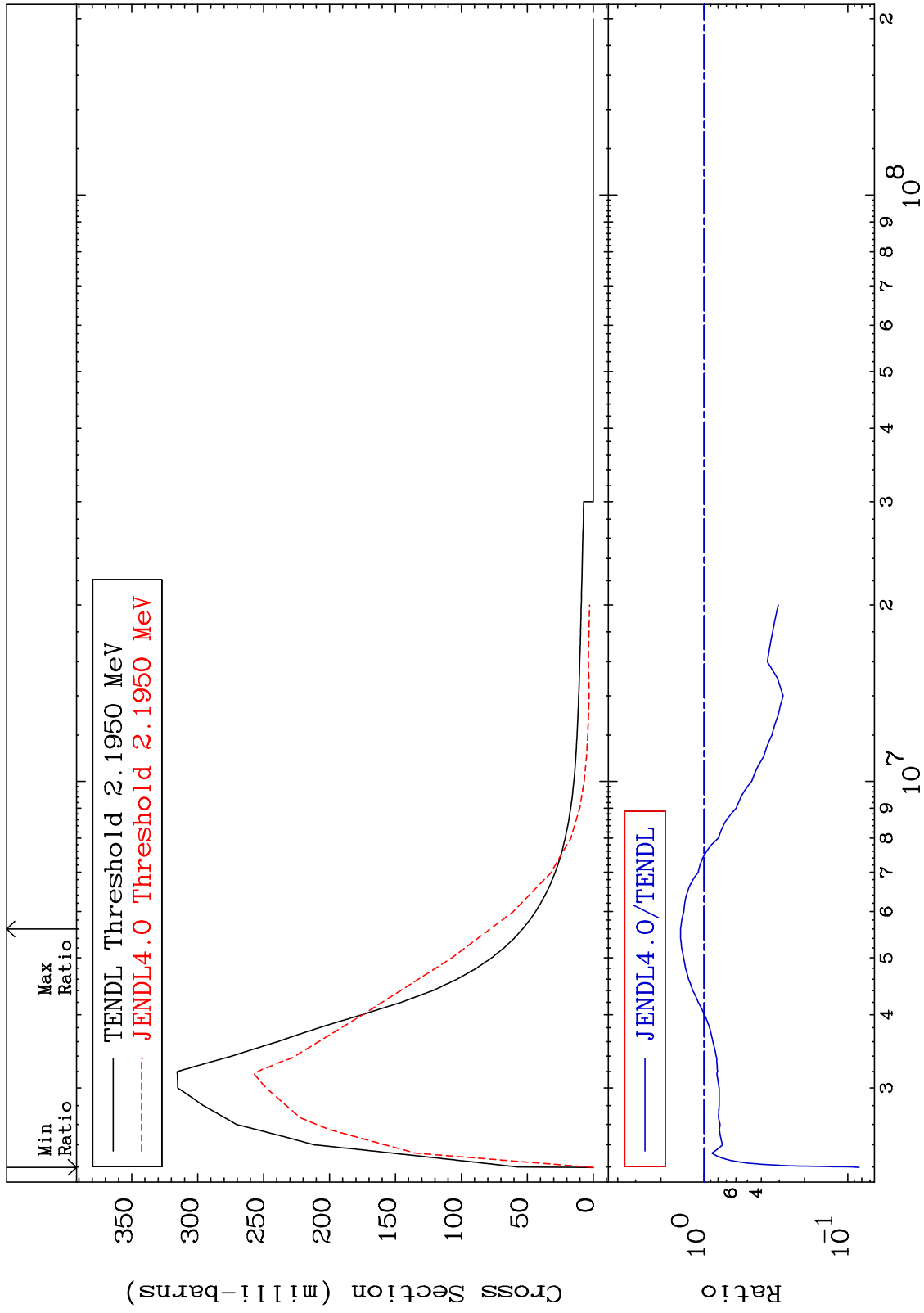
MAT 2831 MT= 51 (n,n') Level Cross Section -70.08 To 41.84 % 28-Ni-60



MAT 2831

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

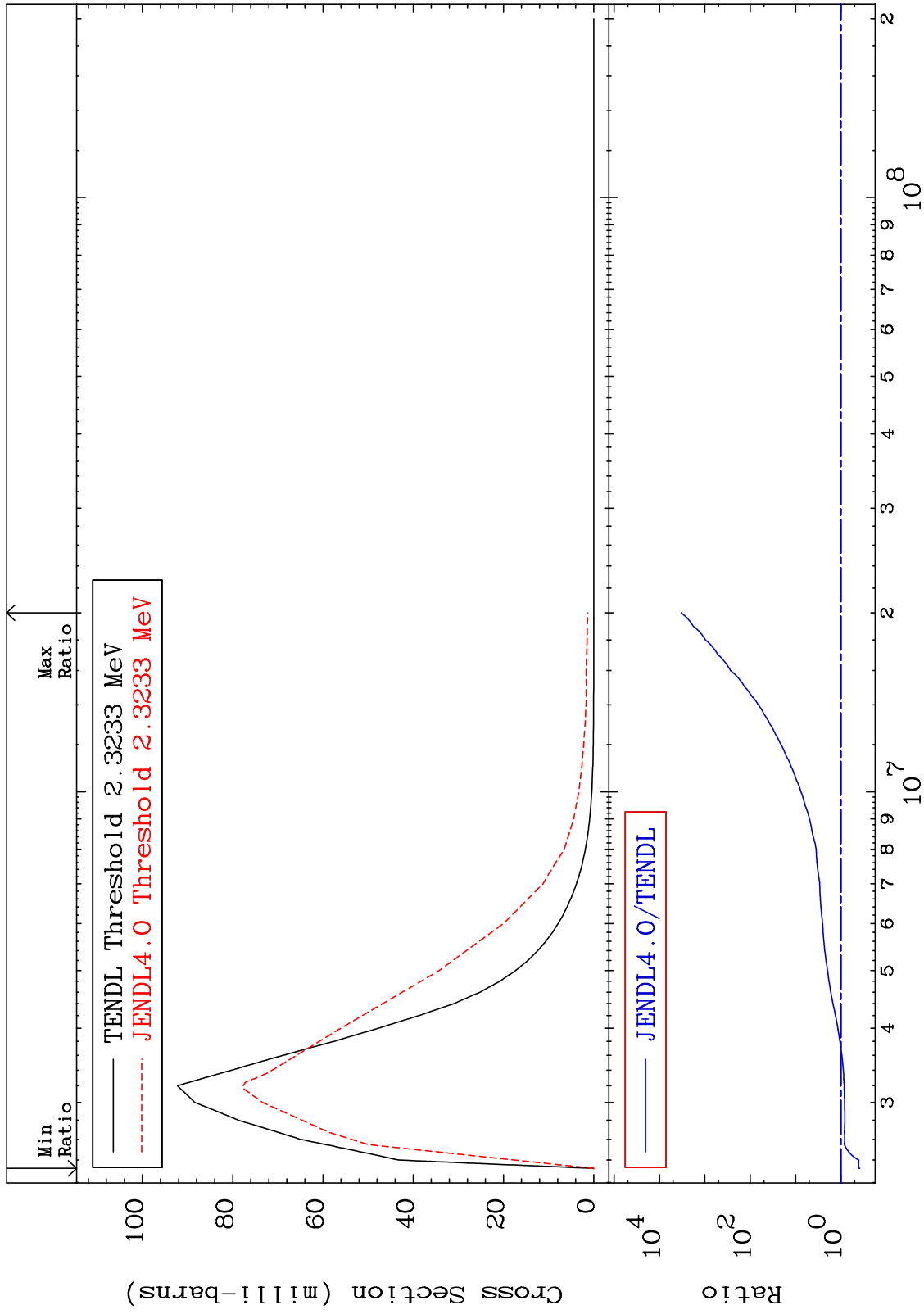
28-Ni-60
-91.66 To 45.93 %



MAT 2831

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

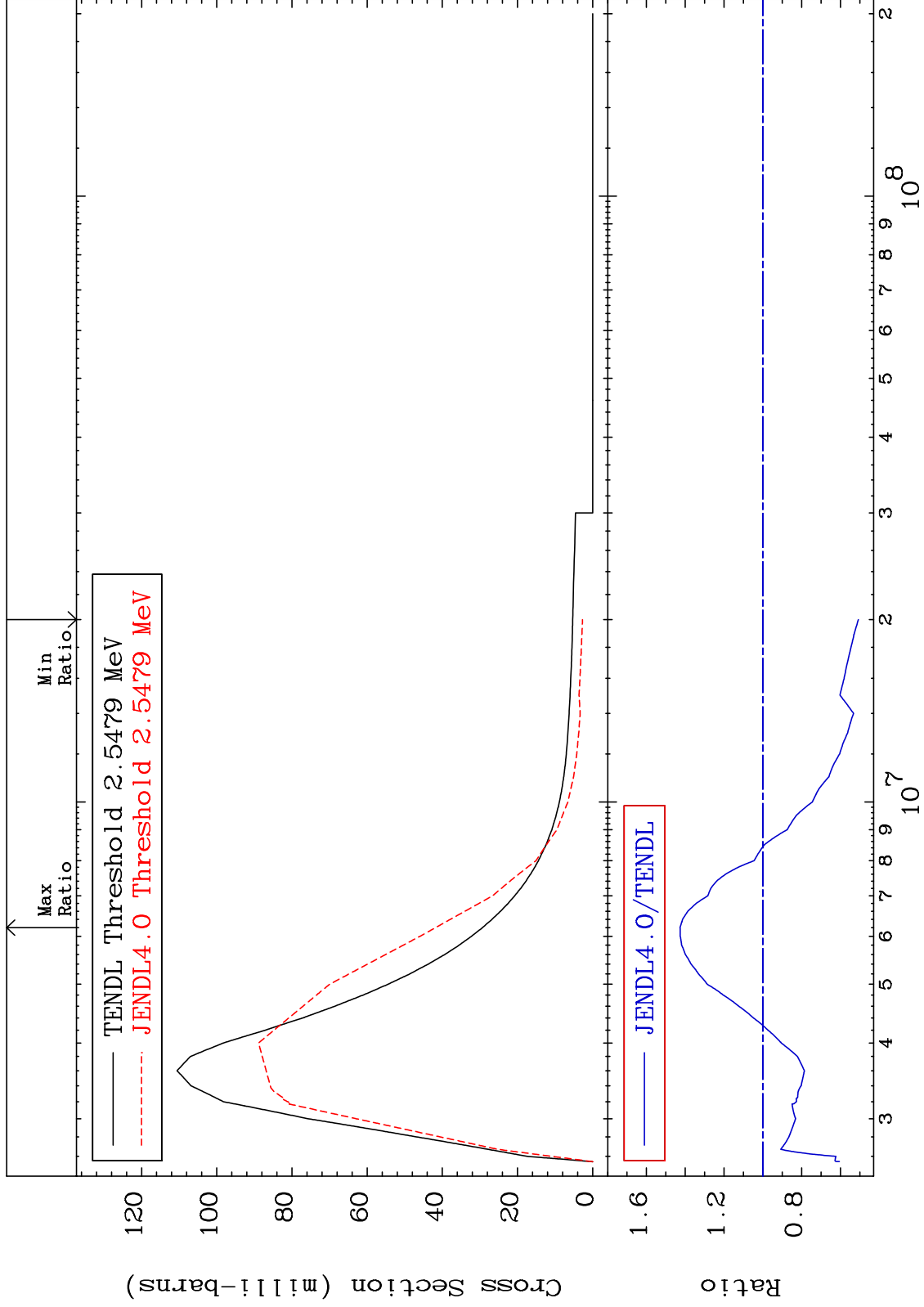
28-Ni-60
-61.81 To 9999. %



MAT 2831

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

28-Ni-60
-49.26 To 42.63 %



10

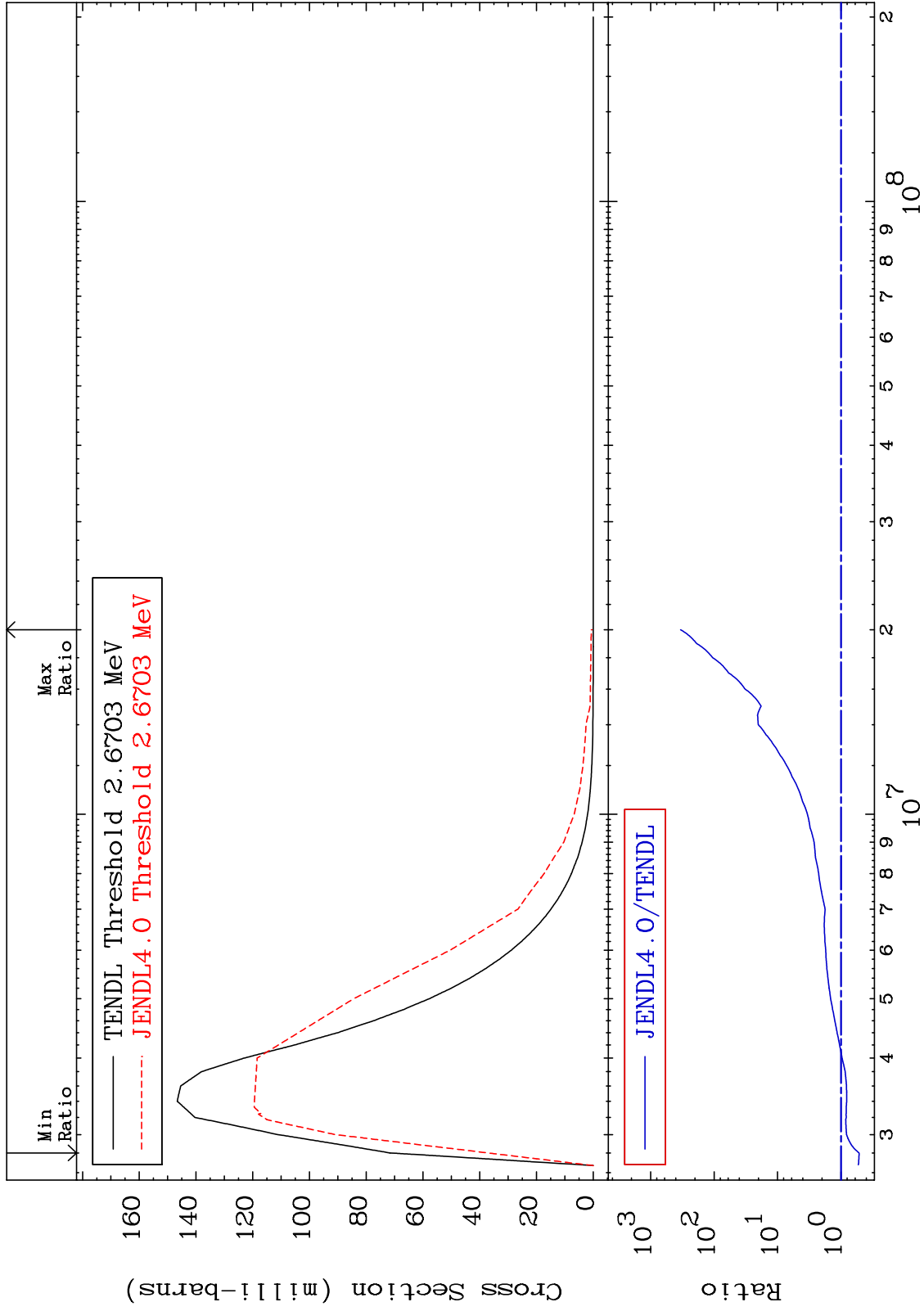
Incident Energy (eV)

28-Ni-60

MAT 2831

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

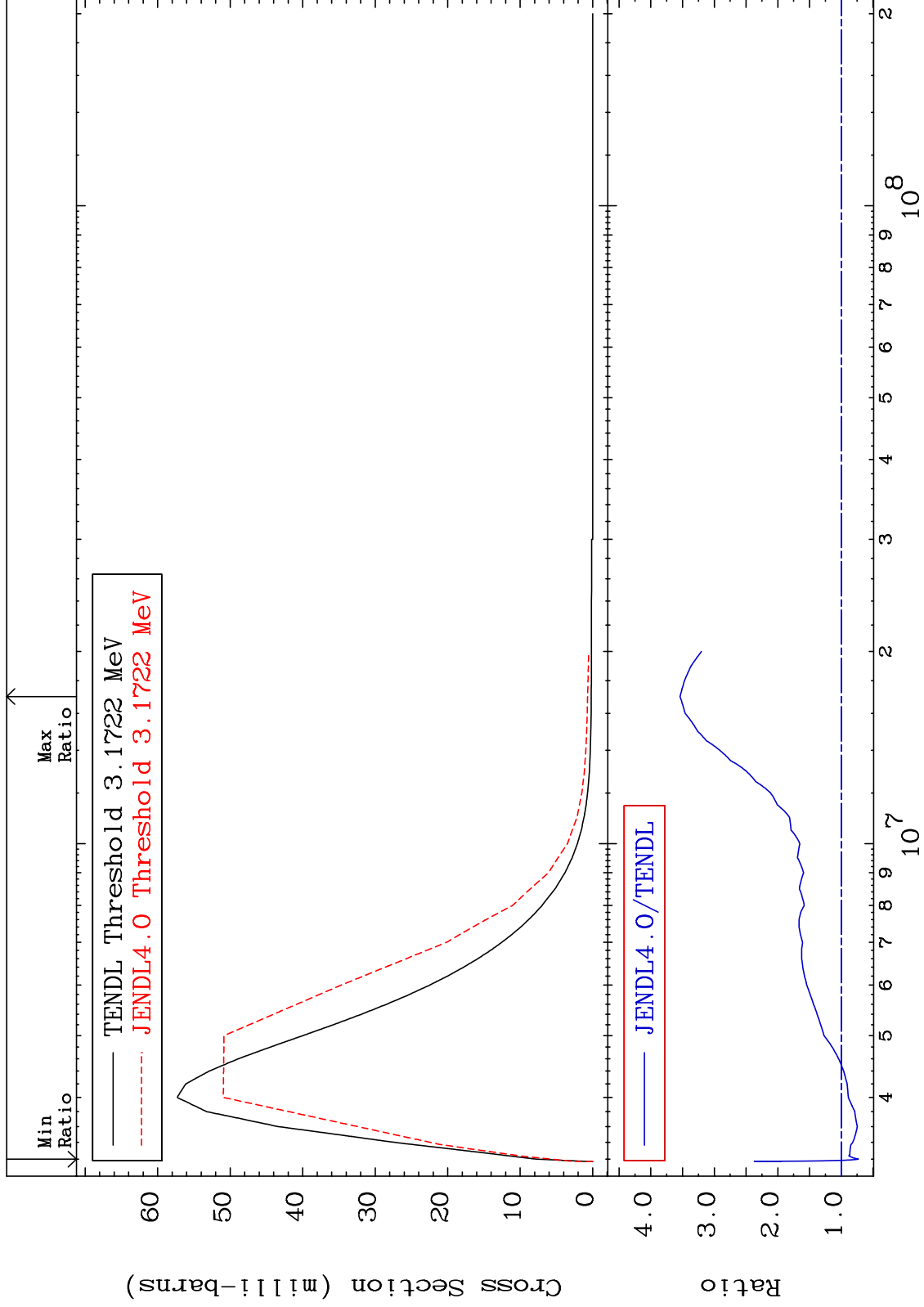
28-Ni-60
-48.23 To 9999. %



MAT 2831

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

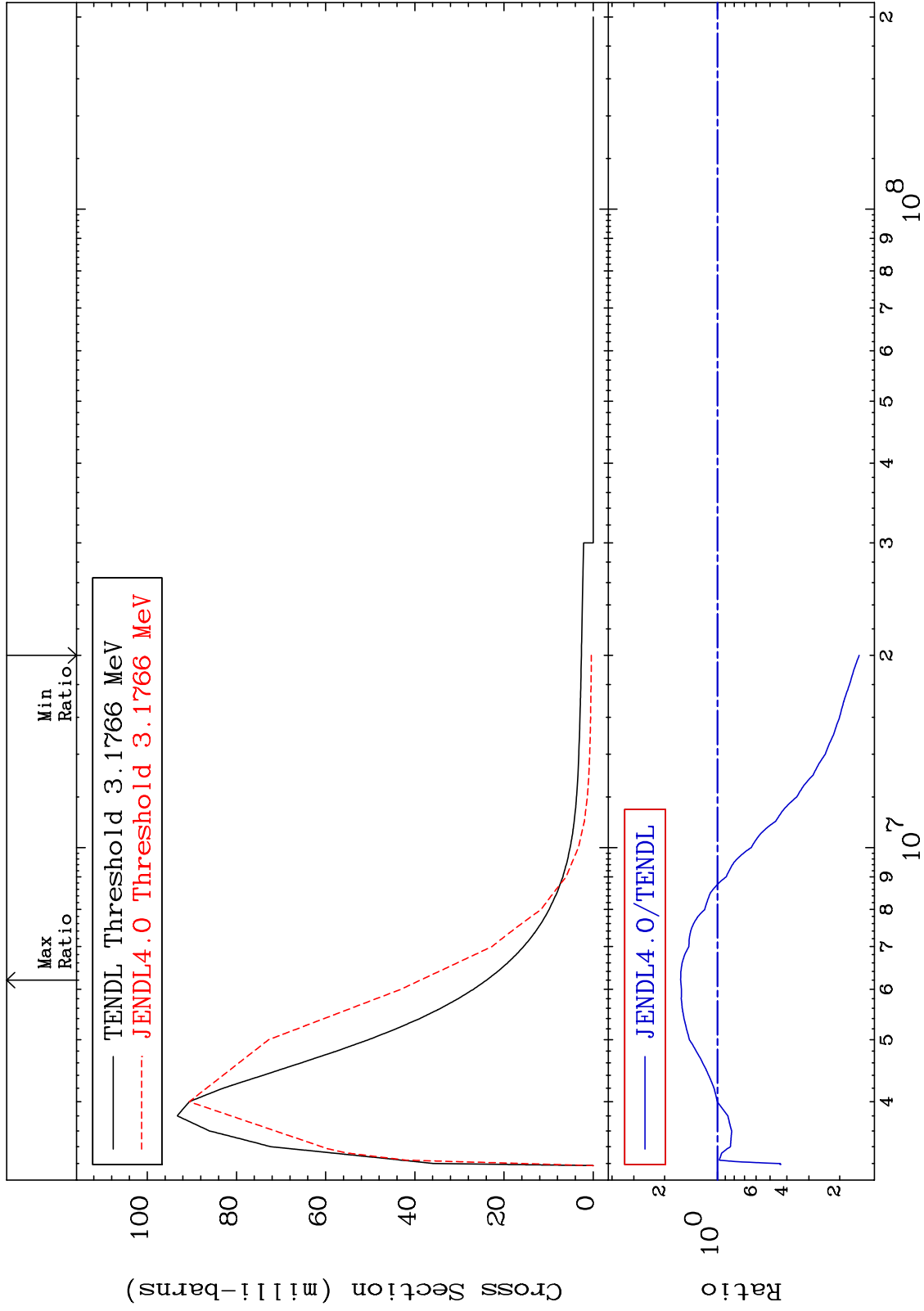
28-Ni-60
-27.03 To 254.0 %



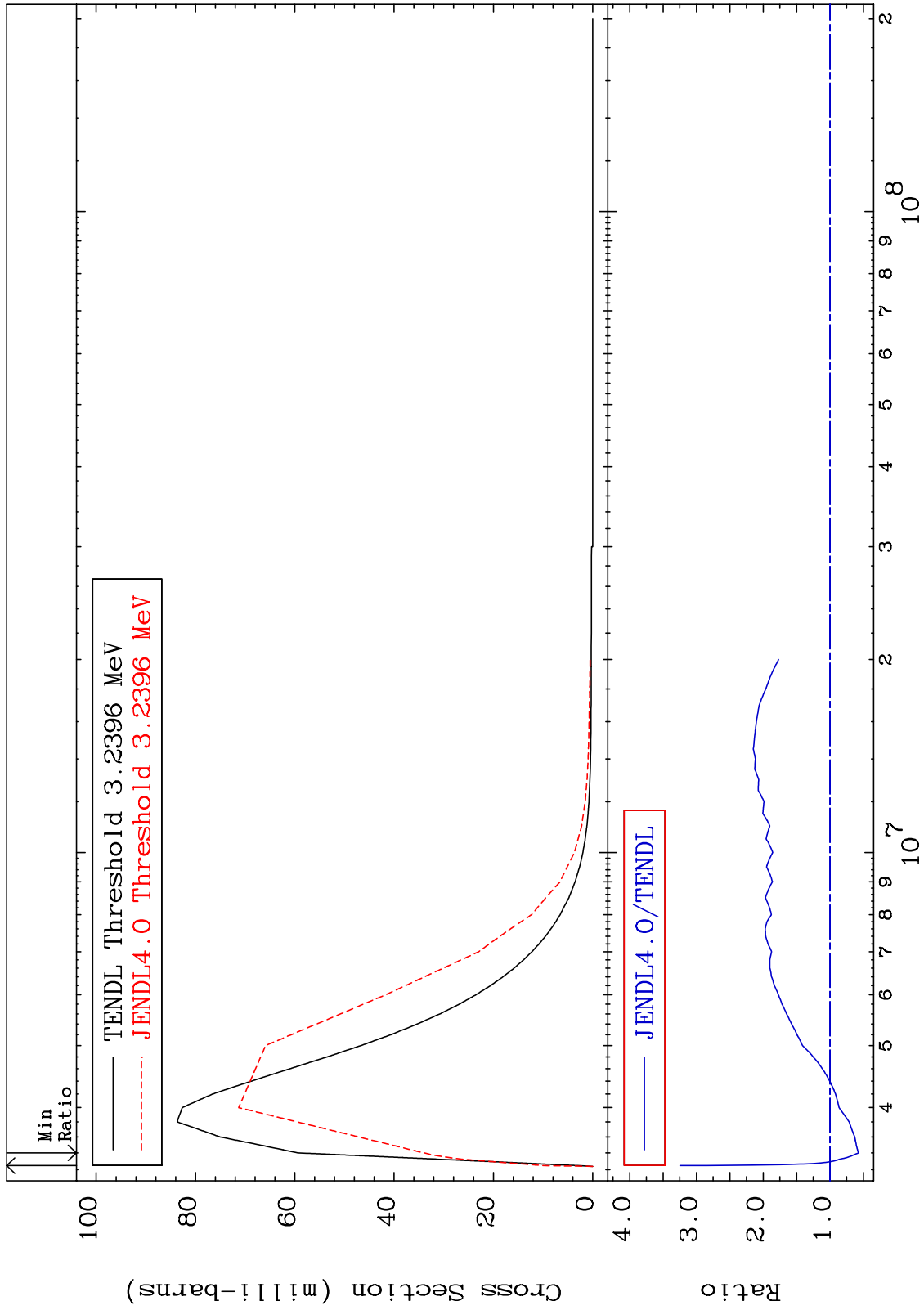
MAT 2831

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

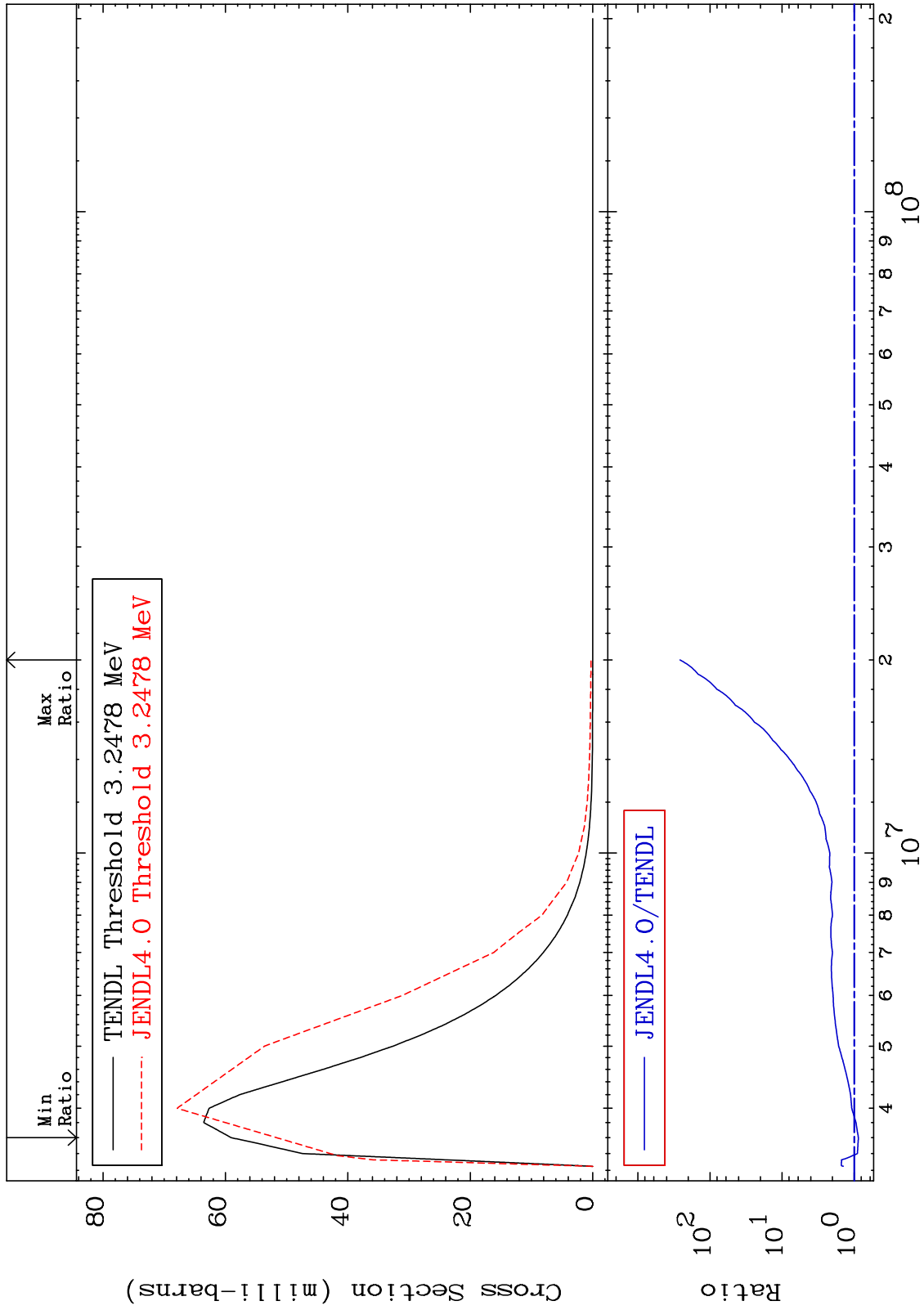
28-Ni-60
-84.53 To 62.14 %



MAT 2831 MT= 58 (n,n') Level 28-Ni-60
Cross Section -42.70 To 224.7 %



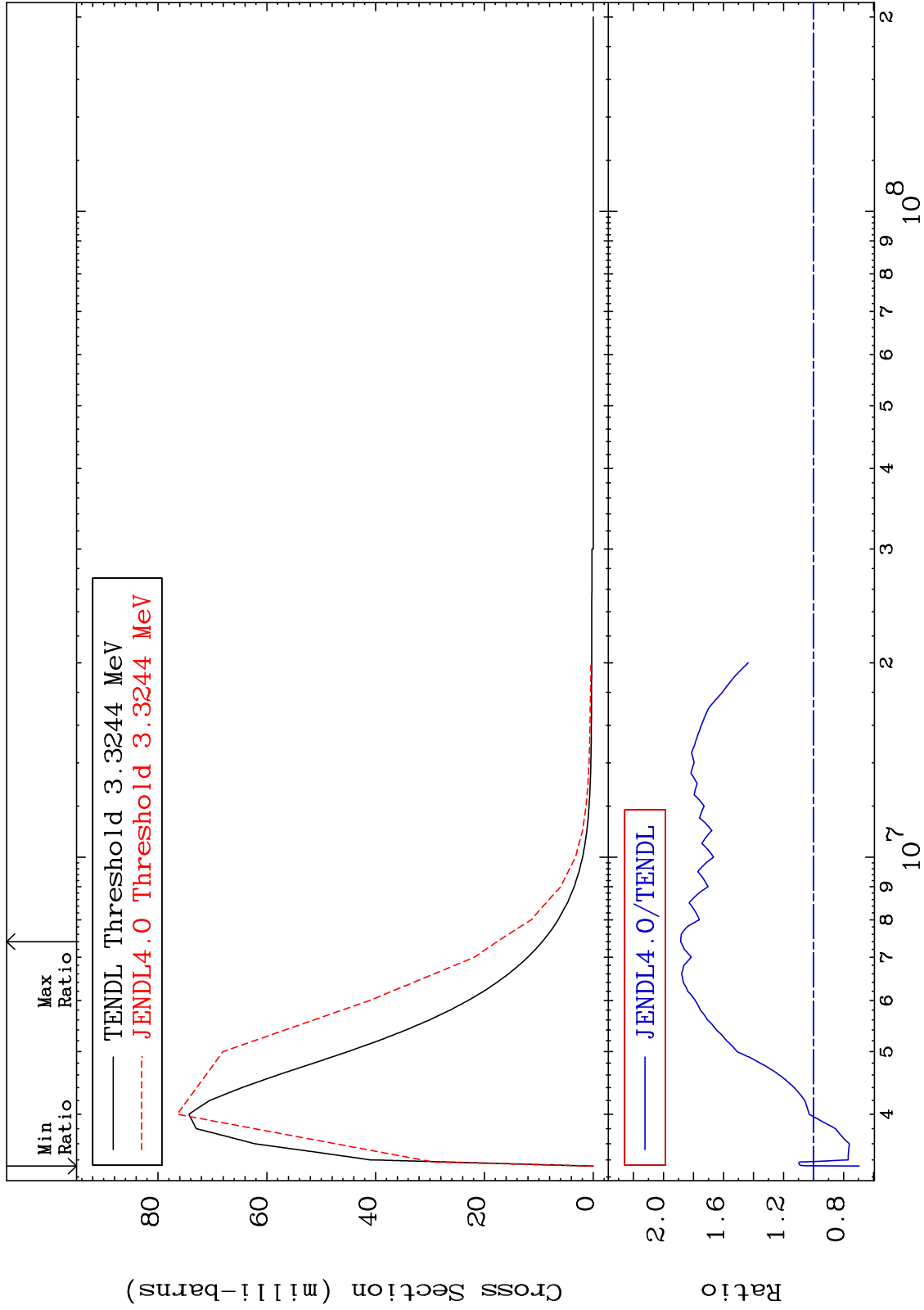
MAT 2831 MT= 59 (n,n') Level Cross Section -12.55 To 9999. % 28-Ni-60



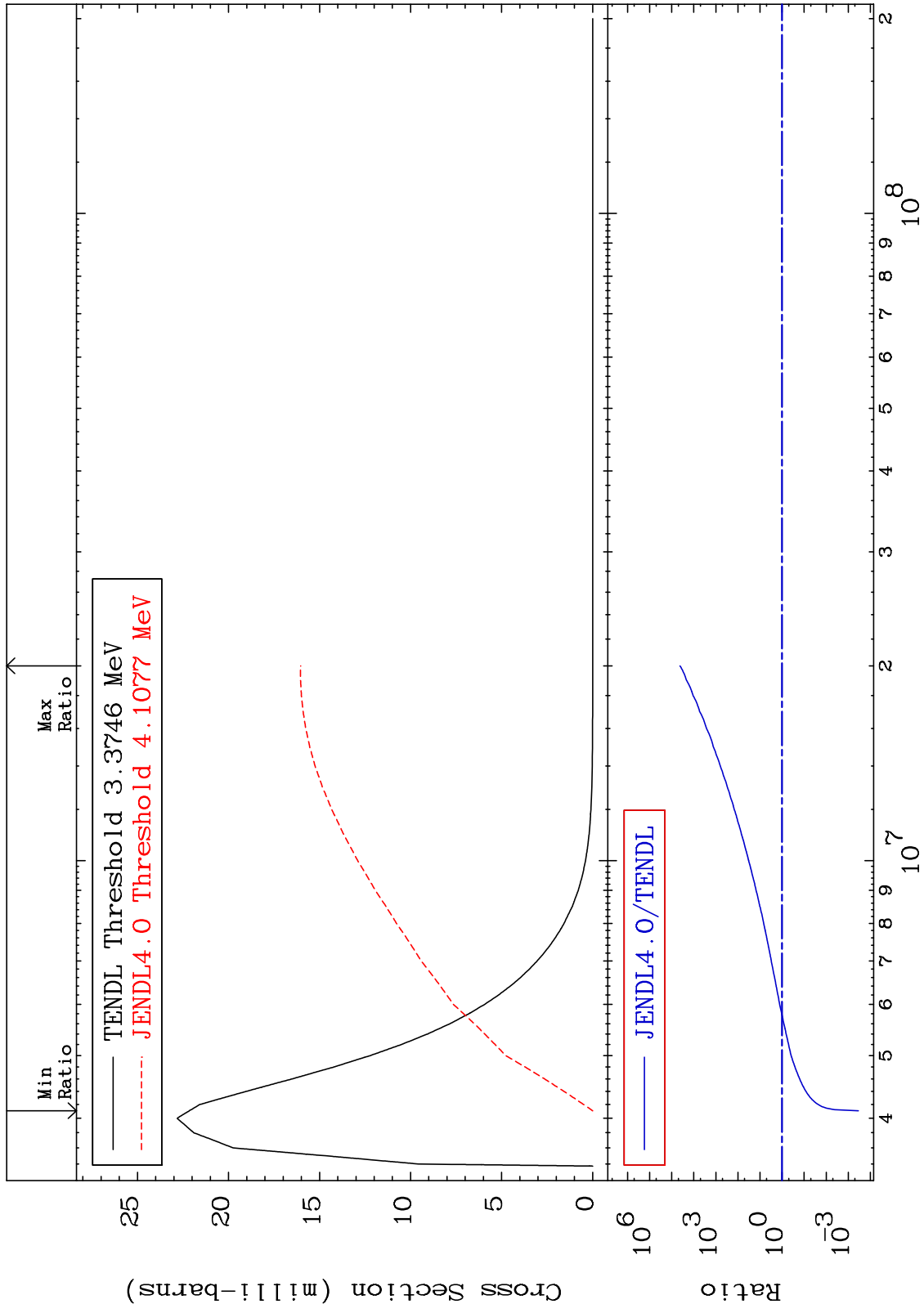
MAT 2831

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

28-Ni-60
-30.40 To 88.57 %



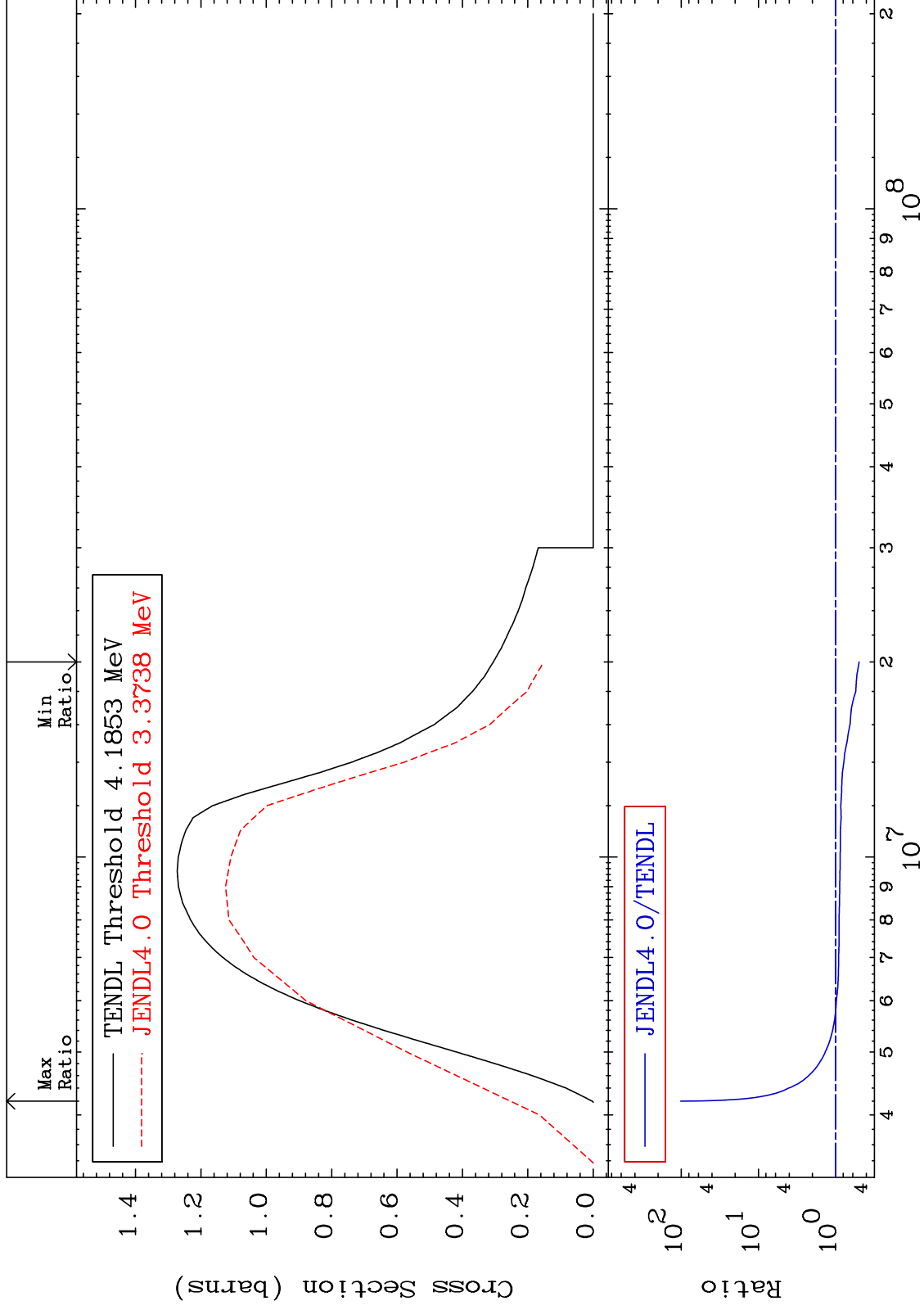
MAT 2831 MT= 61 (n,n') Level 28-Ni-60
 Cross Section -99.97 To 9999. %



MAT 2831

(n,n') Continuum
Cross Section

28-Ni-60
-50.47 To 9999. %



18

Incident Energy (eV)

28-Ni-60

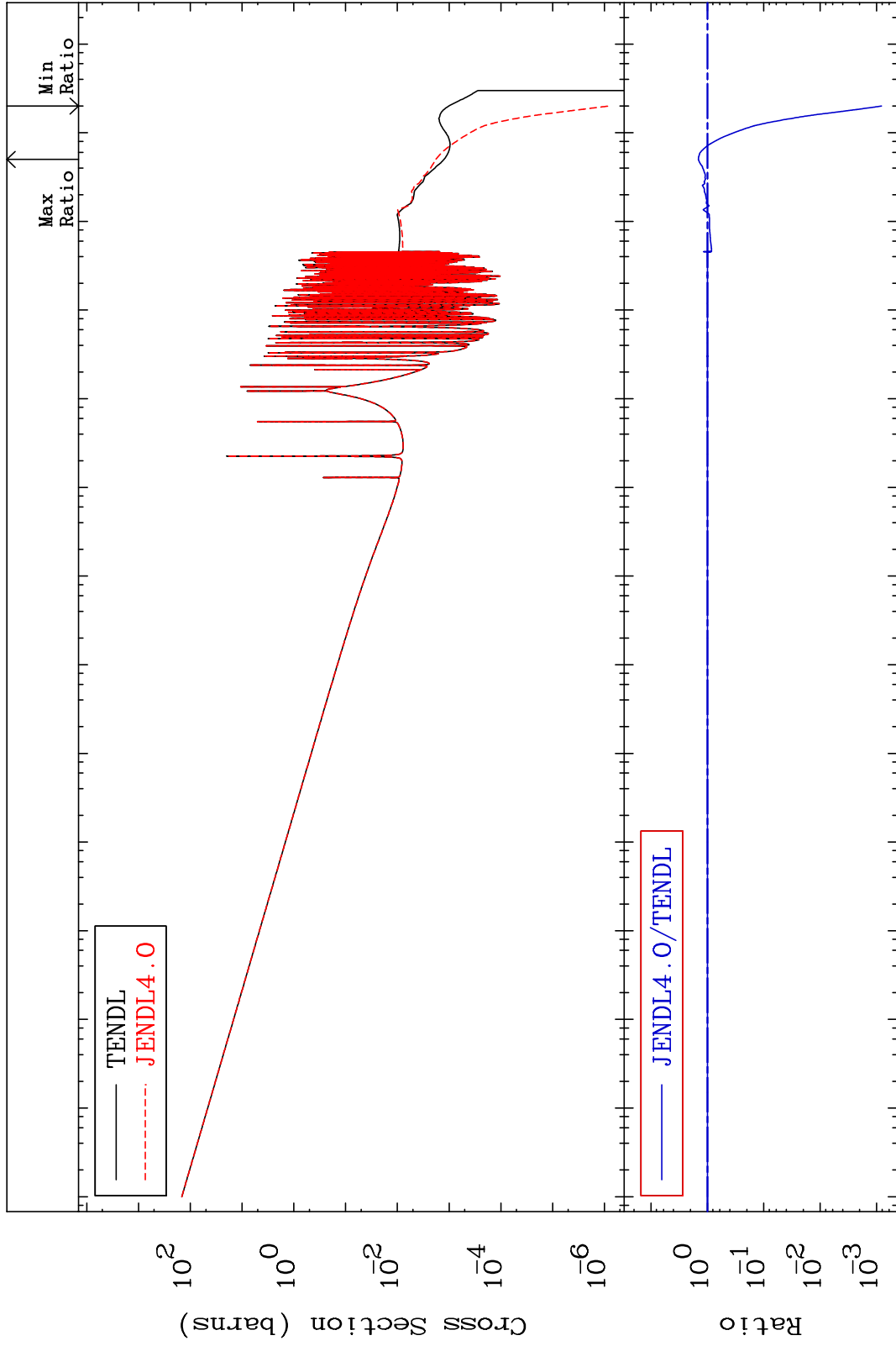
MAT 2831

(n, γ)

28-Ni-60

Cross Section

-99.92 To 44.46 %



Incident Energy (eV)

28-Ni-60

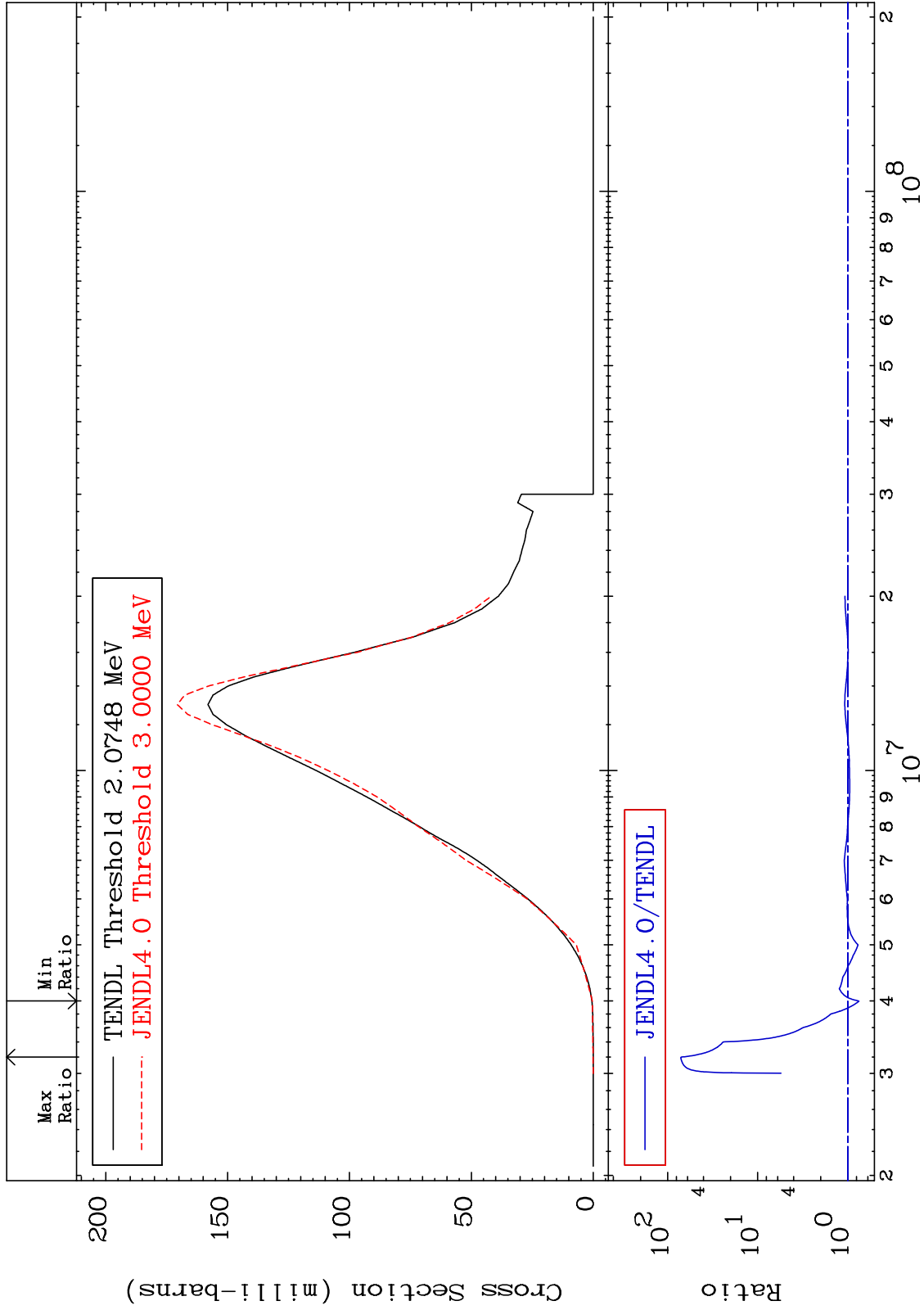
MAT 2831

(n,p)

28-Ni-60

Cross Section

-25.29 To 7074. %



20

Incident Energy (eV)

28-Ni-60

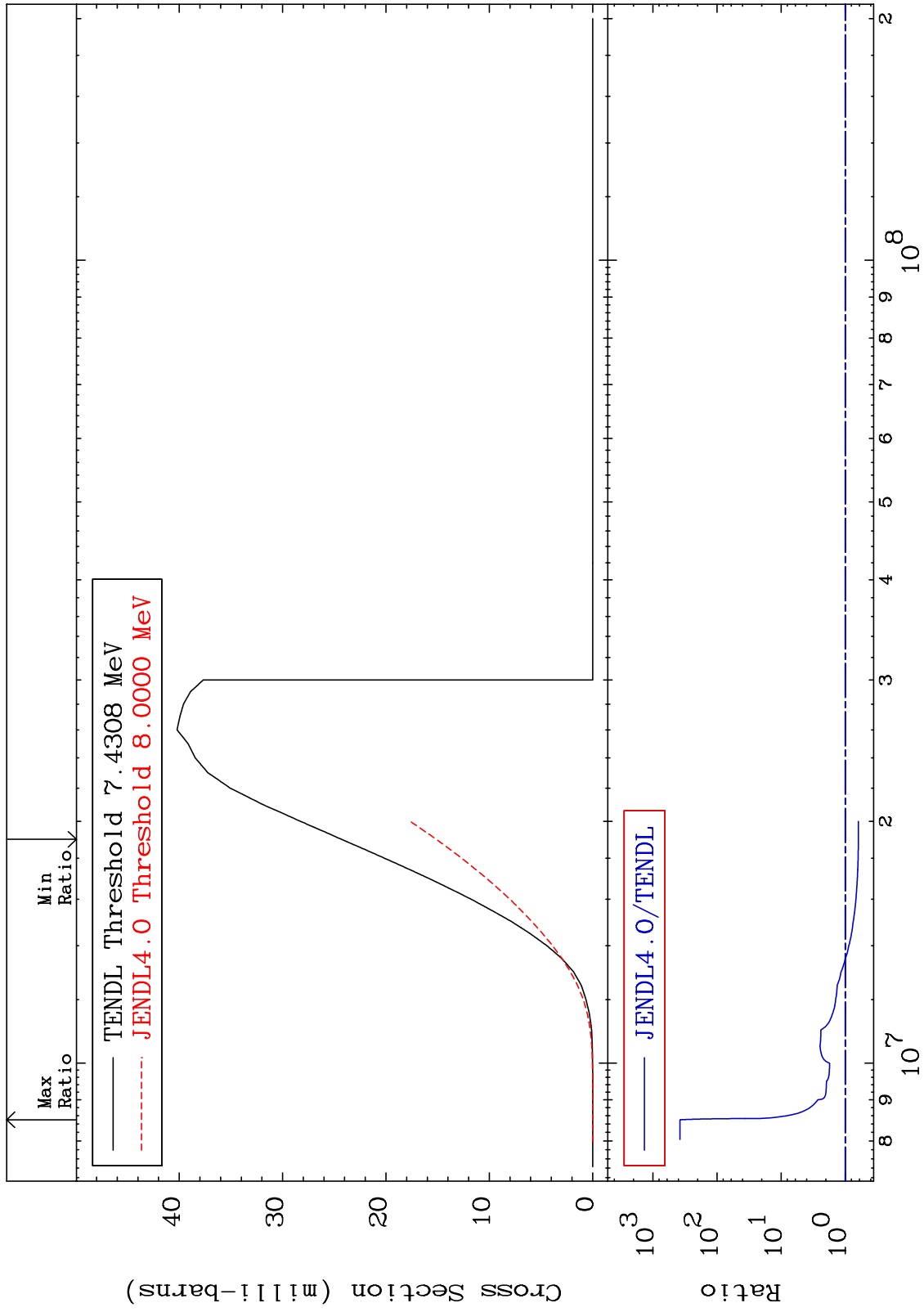
MAT 2831

(n,d)

28-Ni-60

Cross Section

-37.74 To 9999. %



21

Incident Energy (eV)

28-Ni-60

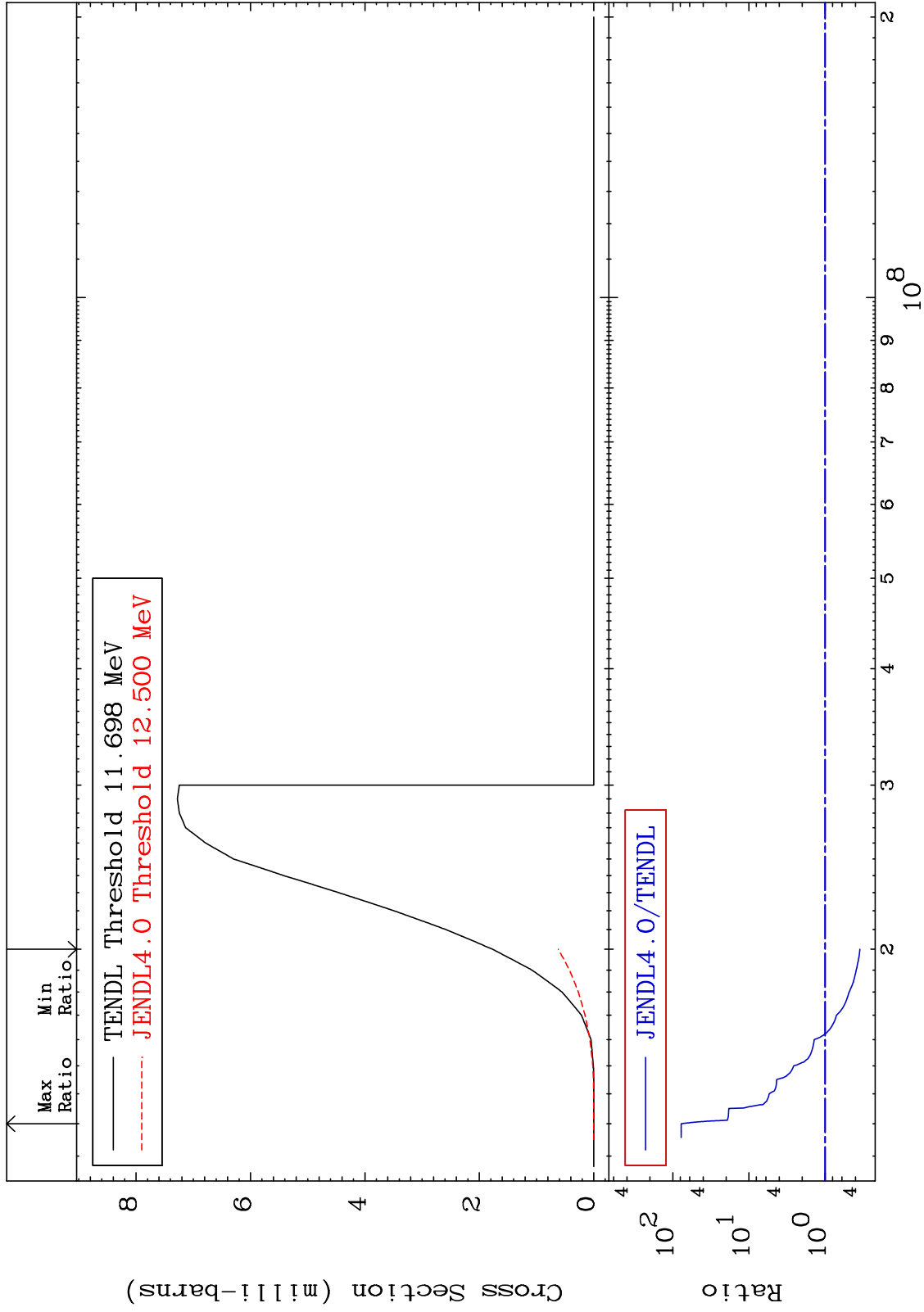
MAT 2831

(n, t)

28-Ni-60

Cross Section

-65.05 To 7656. %



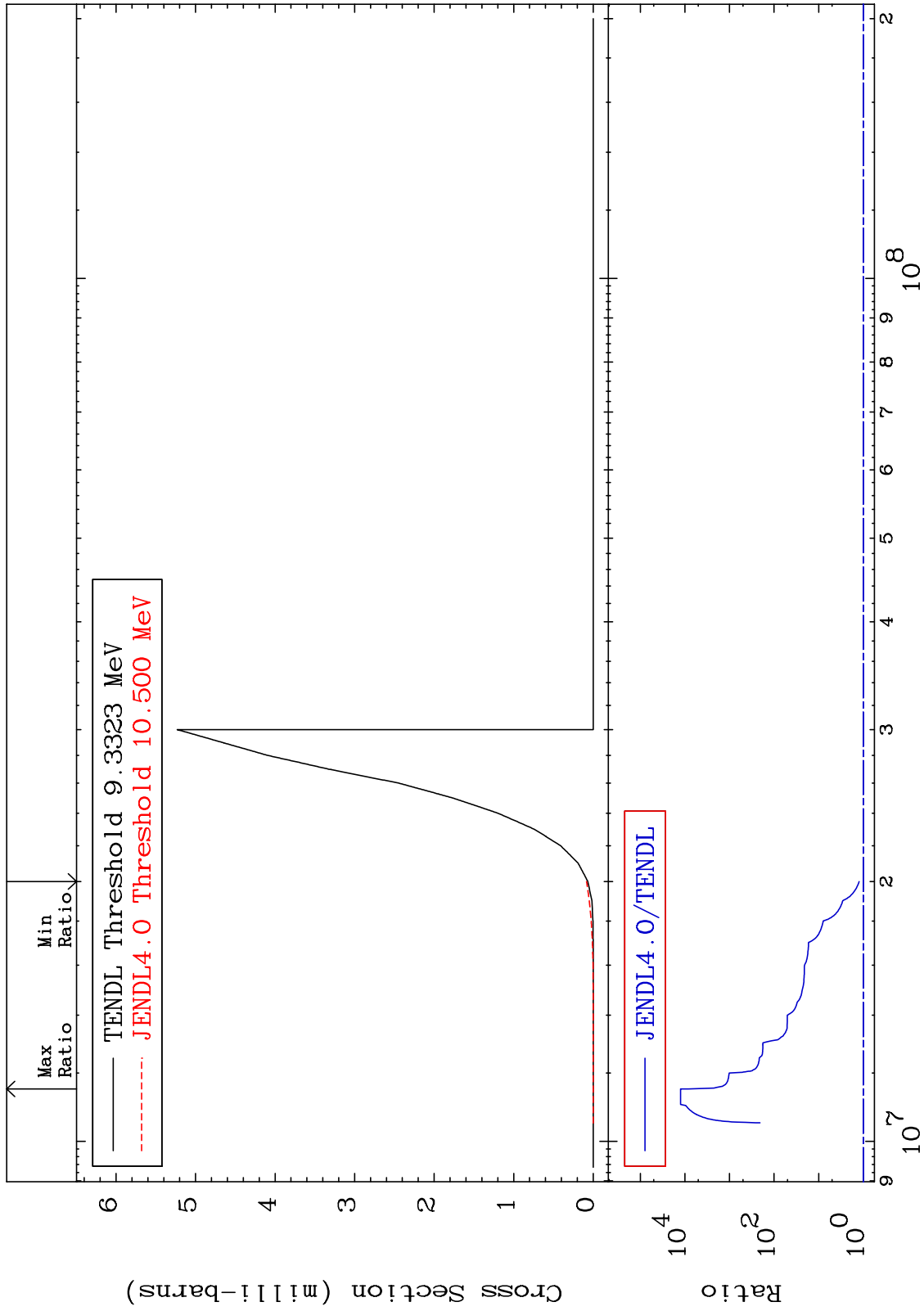
MAT 2831

(n, He-3)

28-Ni-60

Cross Section

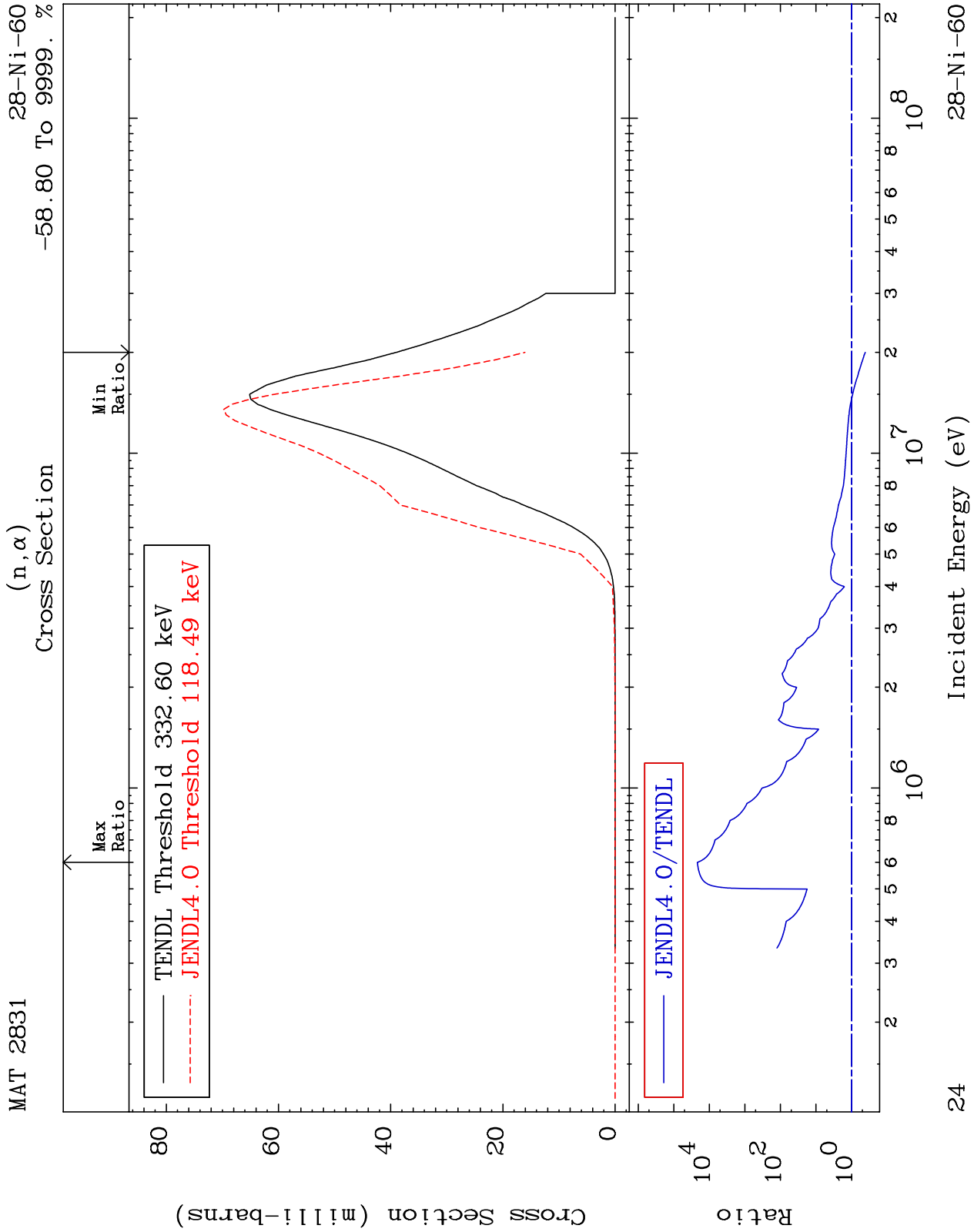
23.50 To 9999. %



Incident Energy (eV)

28-Ni-60

23



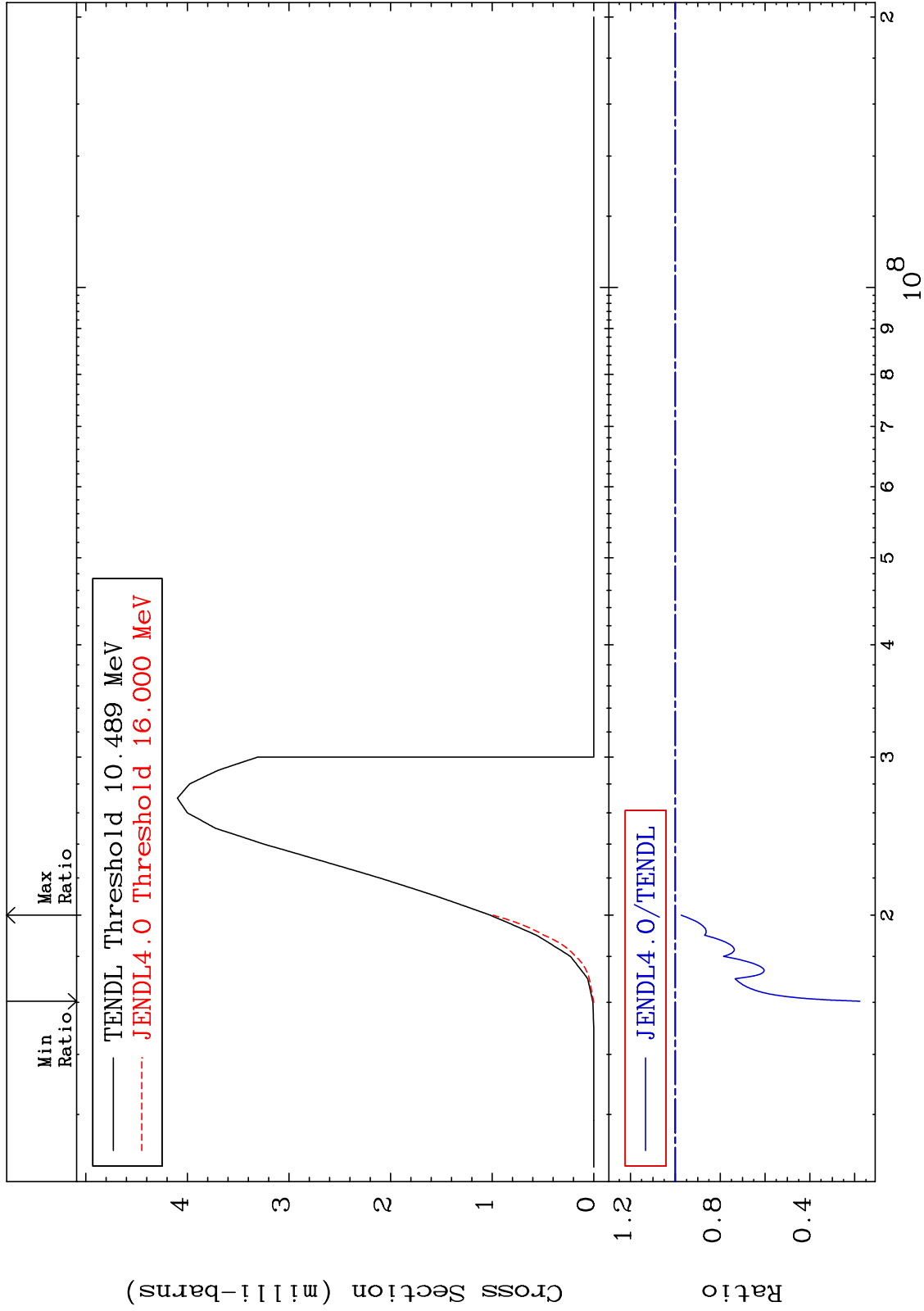
MAT 2831

(n,2p)

28-Ni-60

Cross Section

-82.31 To -2.641%



25

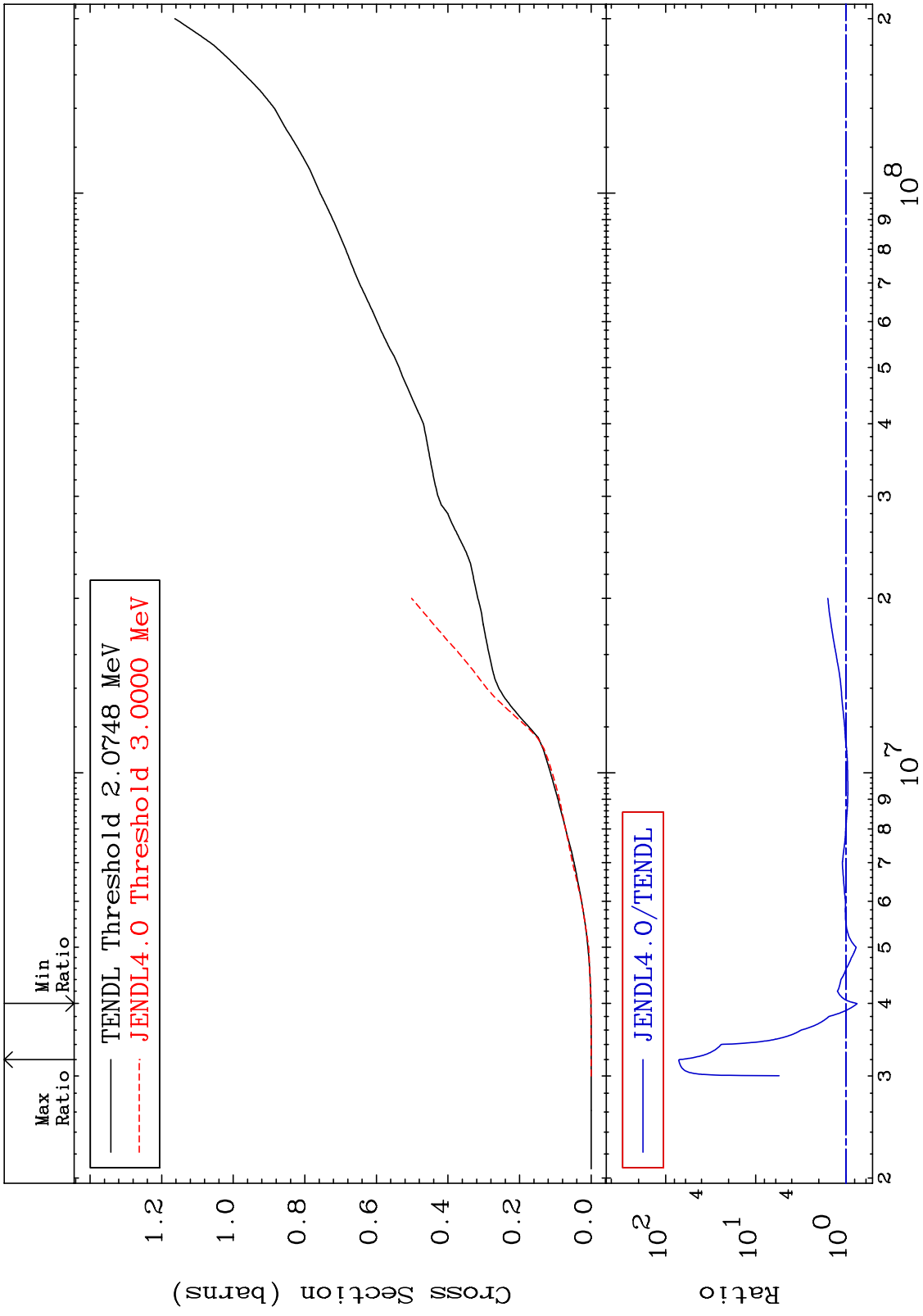
Incident Energy (eV)

28-Ni-60

MAT 2831

Hydrogen Production
Cross Section

28-Ni-60
-25.29 To 7074. %



26

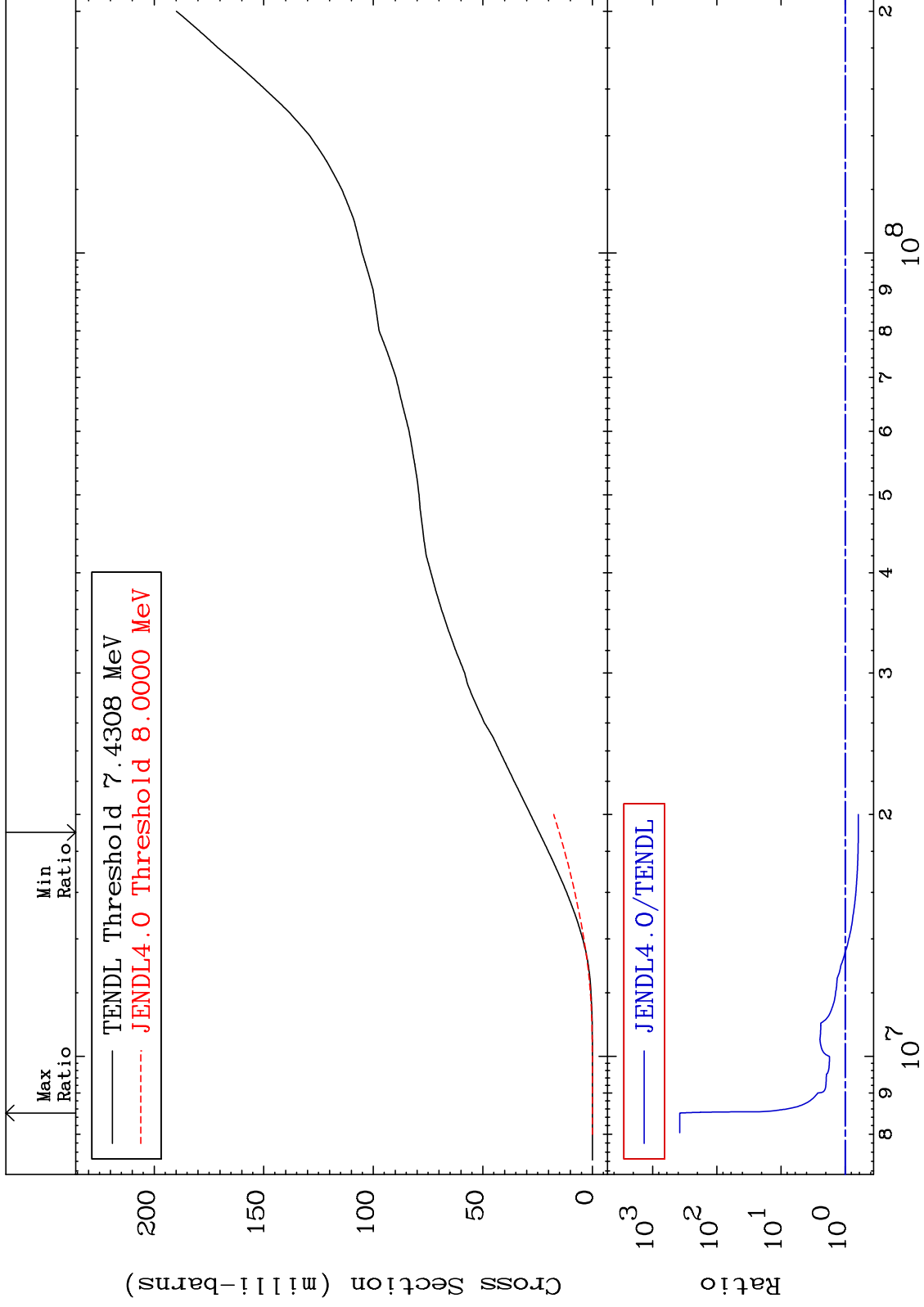
Incident Energy (eV)

28-Ni-60

MAT 2831

Deuterium Production
Cross Section

28-Ni-60
-37.75 To 9999. %



27

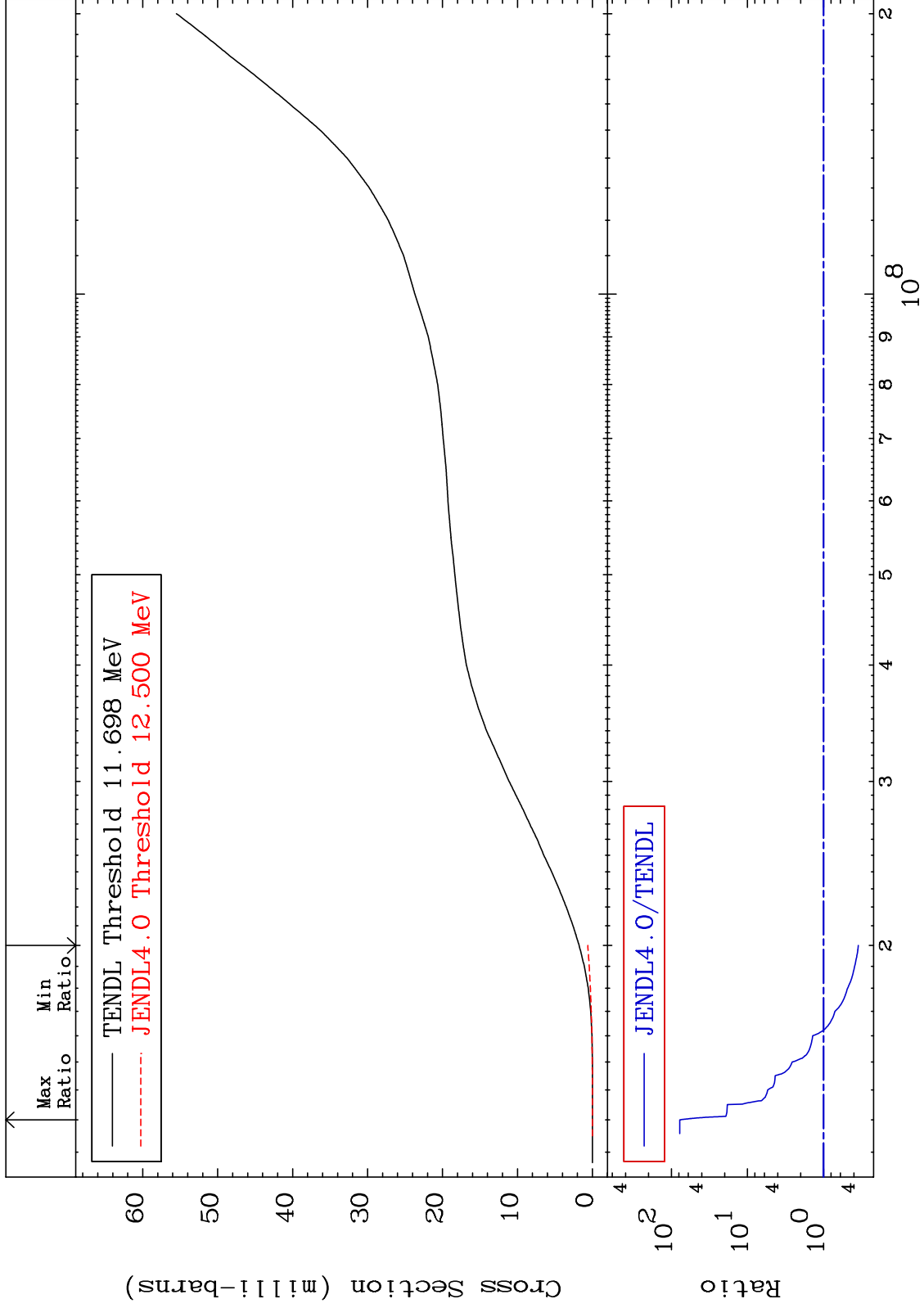
Incident Energy (eV)

28-Ni-60

MAT 2831

Tritium Production
Cross Section

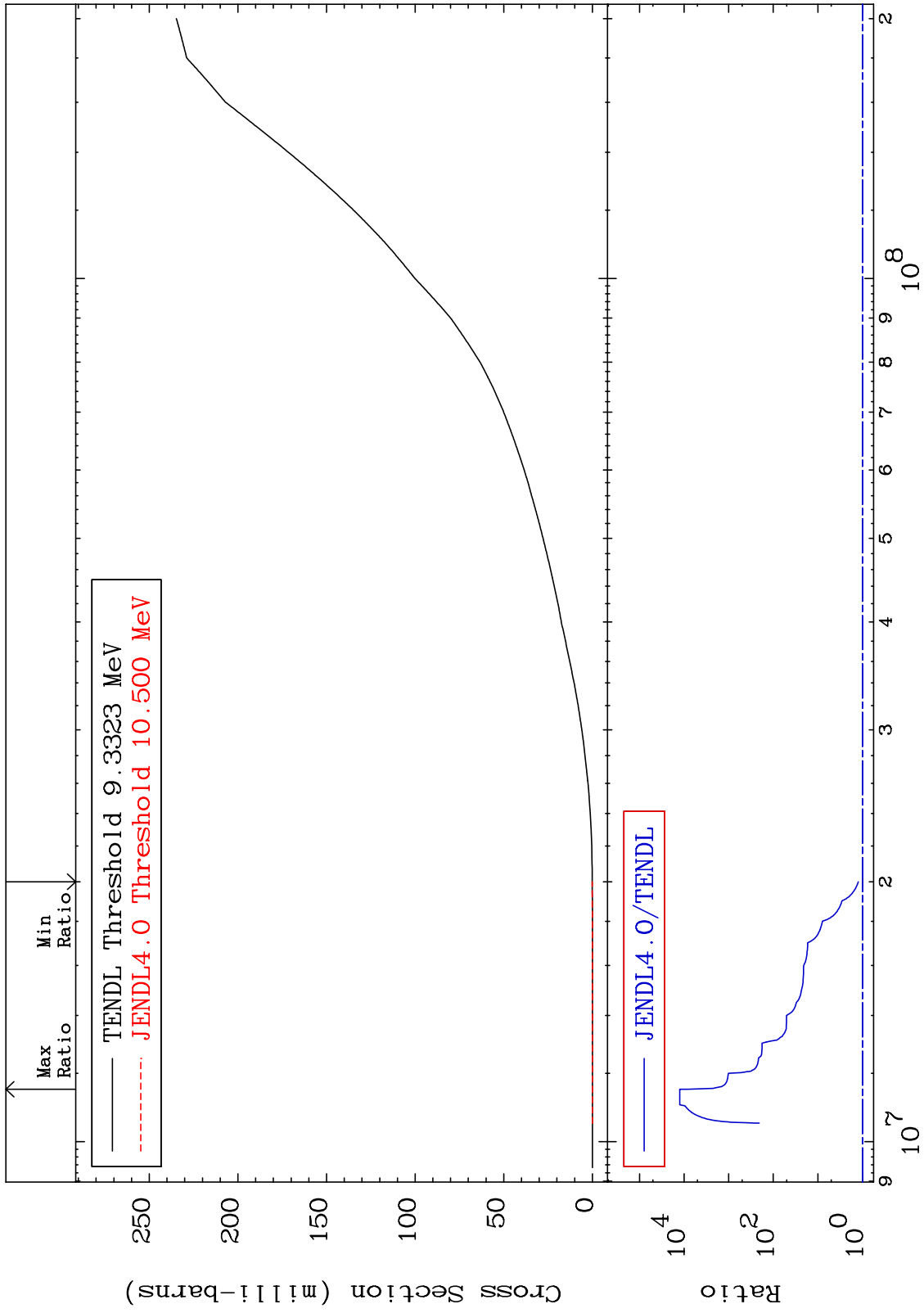
28-Ni-60
-65.05 To 7656. %



MAT 2831

He-3 Production
Cross Section

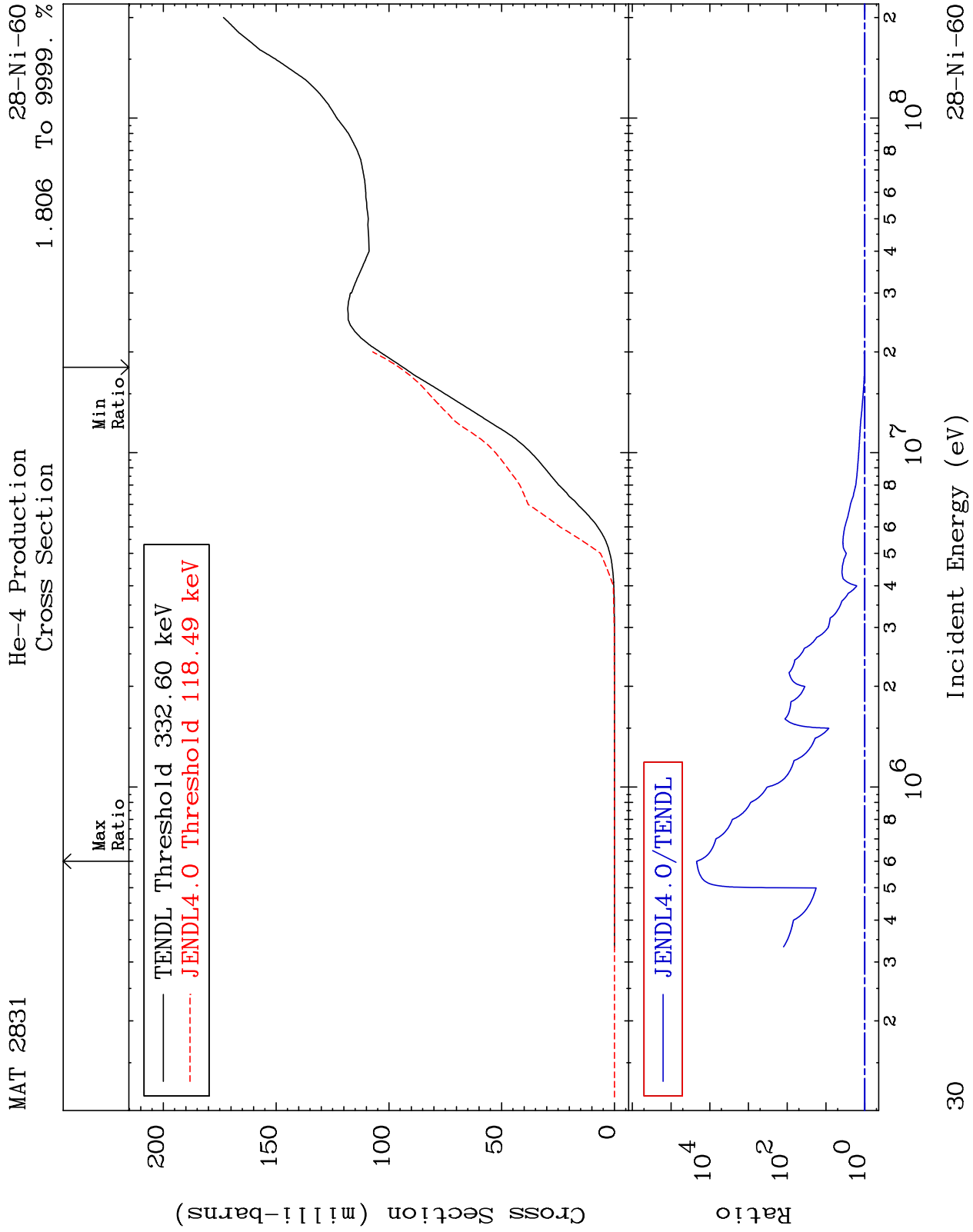
28-Ni-60
23.50 To 9999. %



29

Incident Energy (eV)

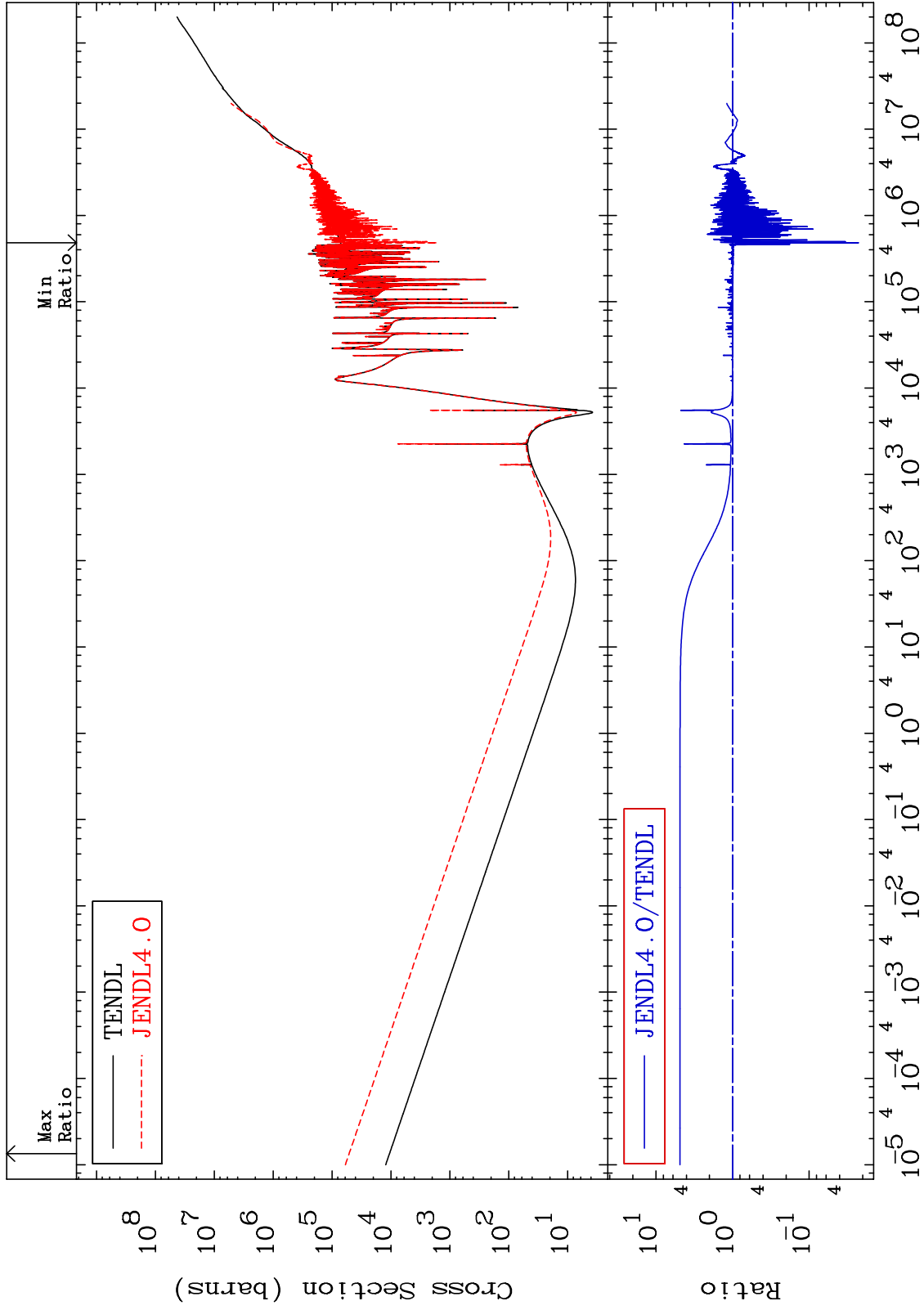
28-Ni-60



MAT 2831

Kerma total (eV-barns)
Cross Section

28-Ni-60
-97.72 To 384.8 %



31

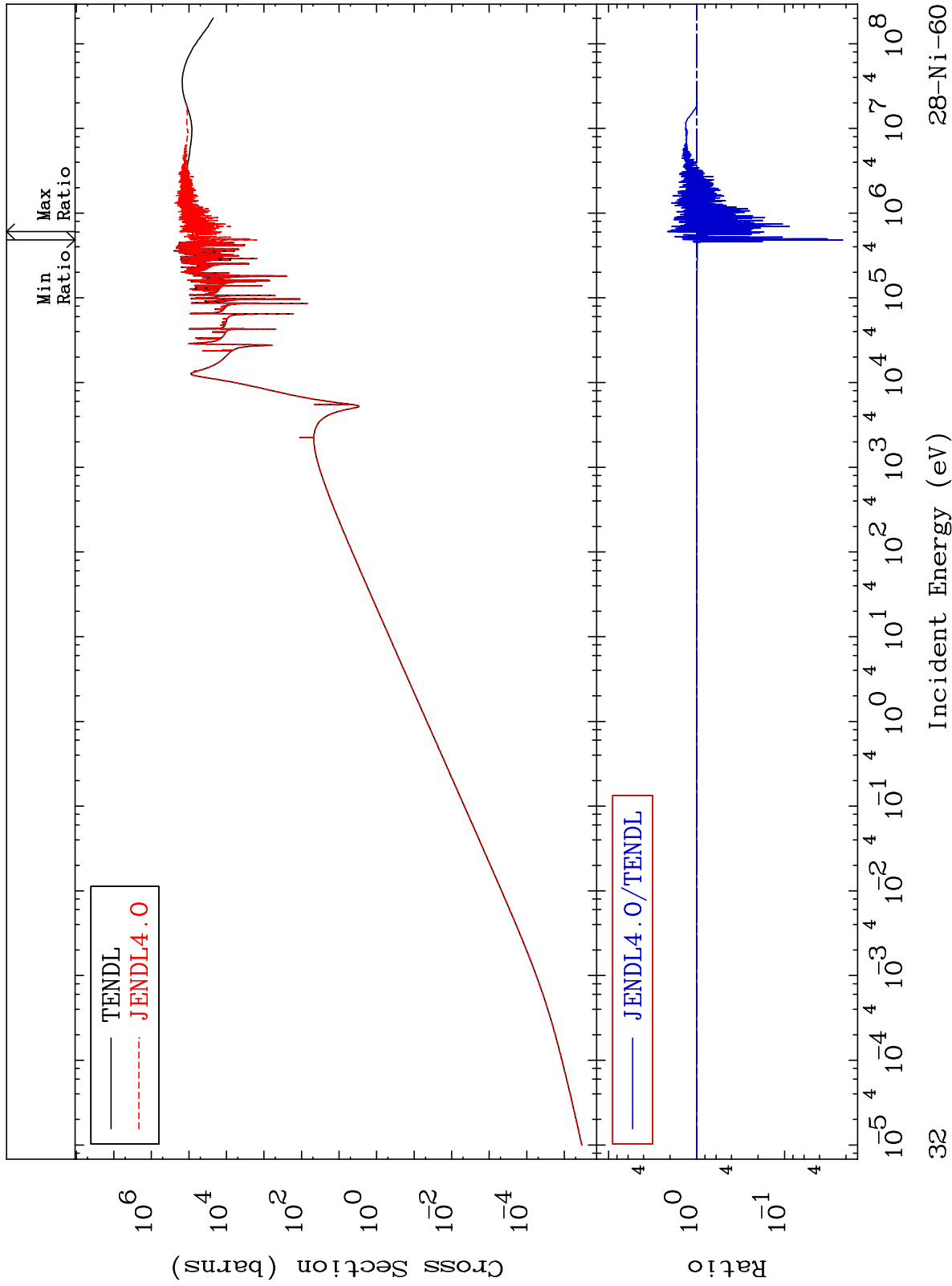
Incident Energy (eV)

28-Ni-60

MAT 2831

Kerma elastic
Cross Section

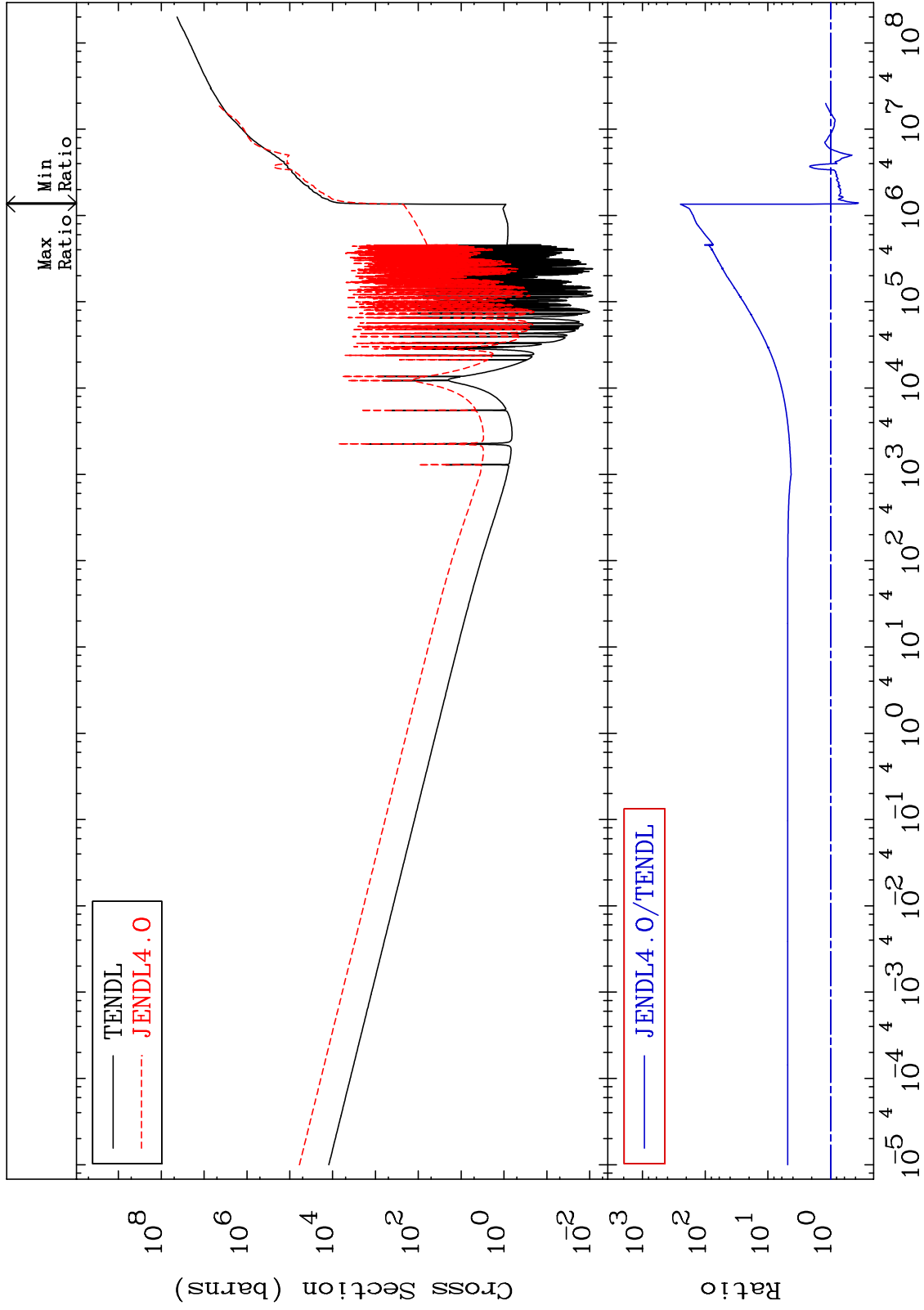
28-Ni-60
-97.82 To 113.4 %



MAT 2831

Kerma non-elastic (all but mt2)
Cross Section

28-Ni-60
-64.03 To 9999. %



33

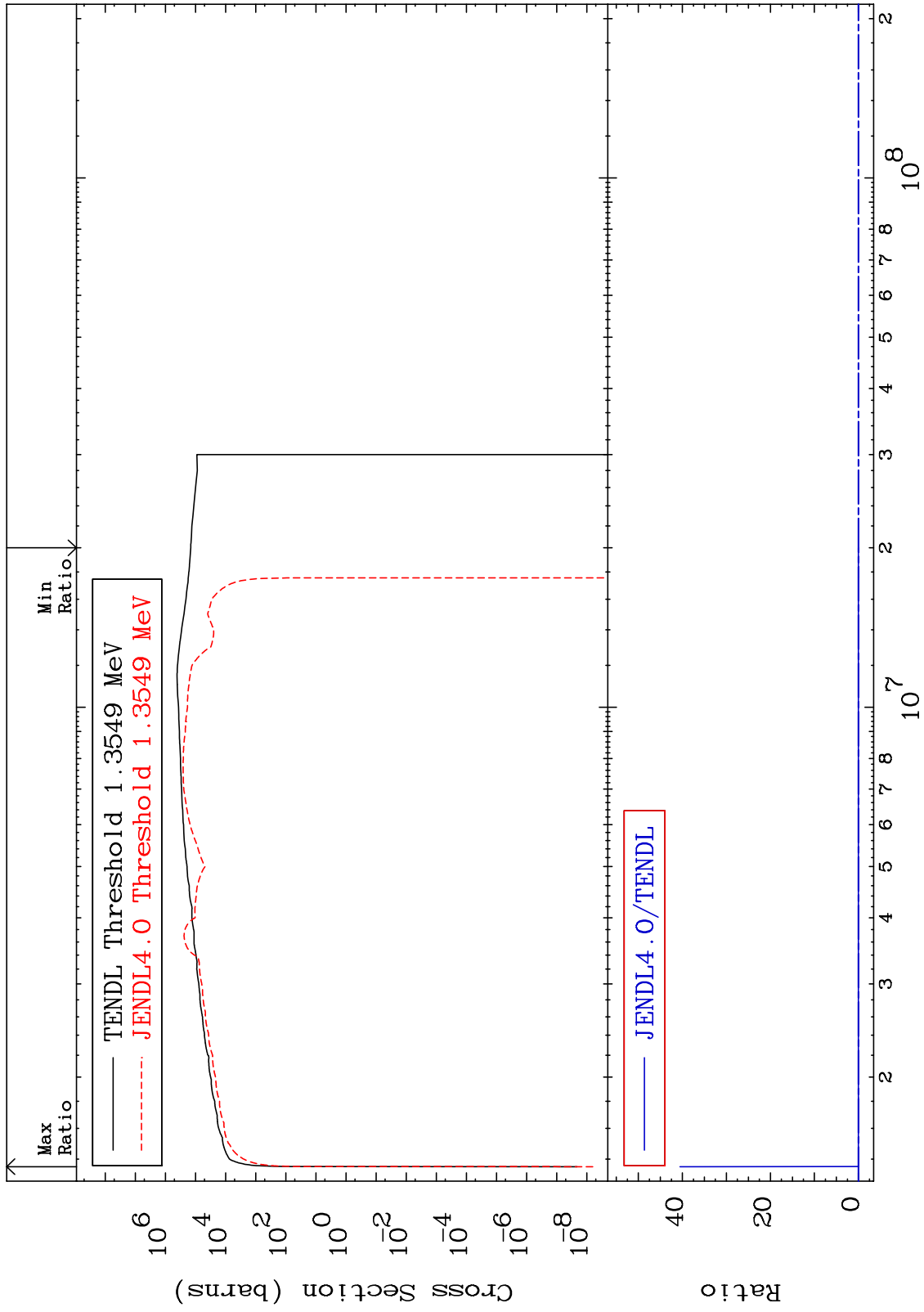
Incident Energy (eV)

28-Ni-60

MAT 2831

Kerma inelastic (mt51-91)
Cross Section

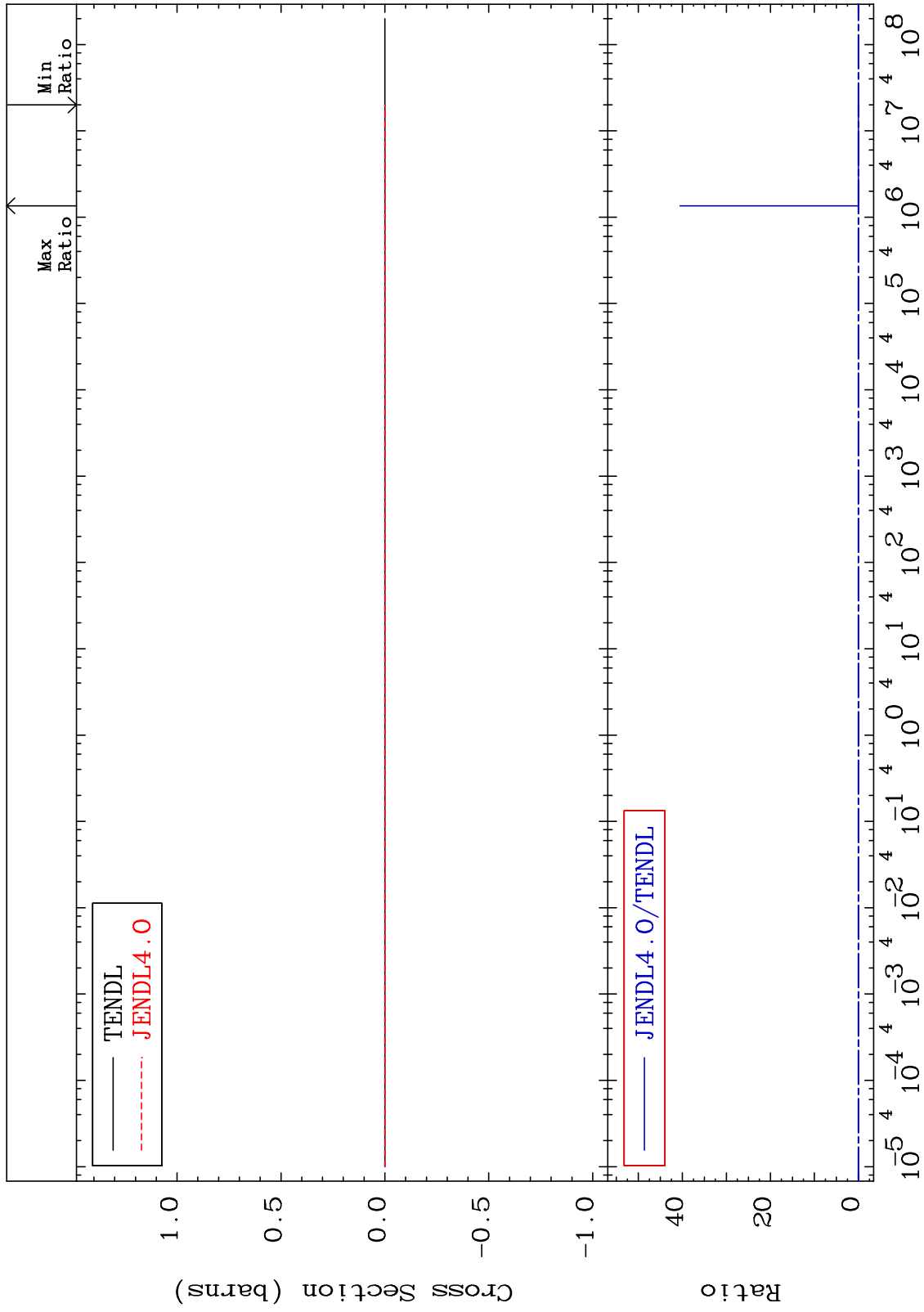
28-Ni-60
-105.2 To 9999. %



MAT 2831

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

28-Ni-60
-105.2 To 9999. %



35

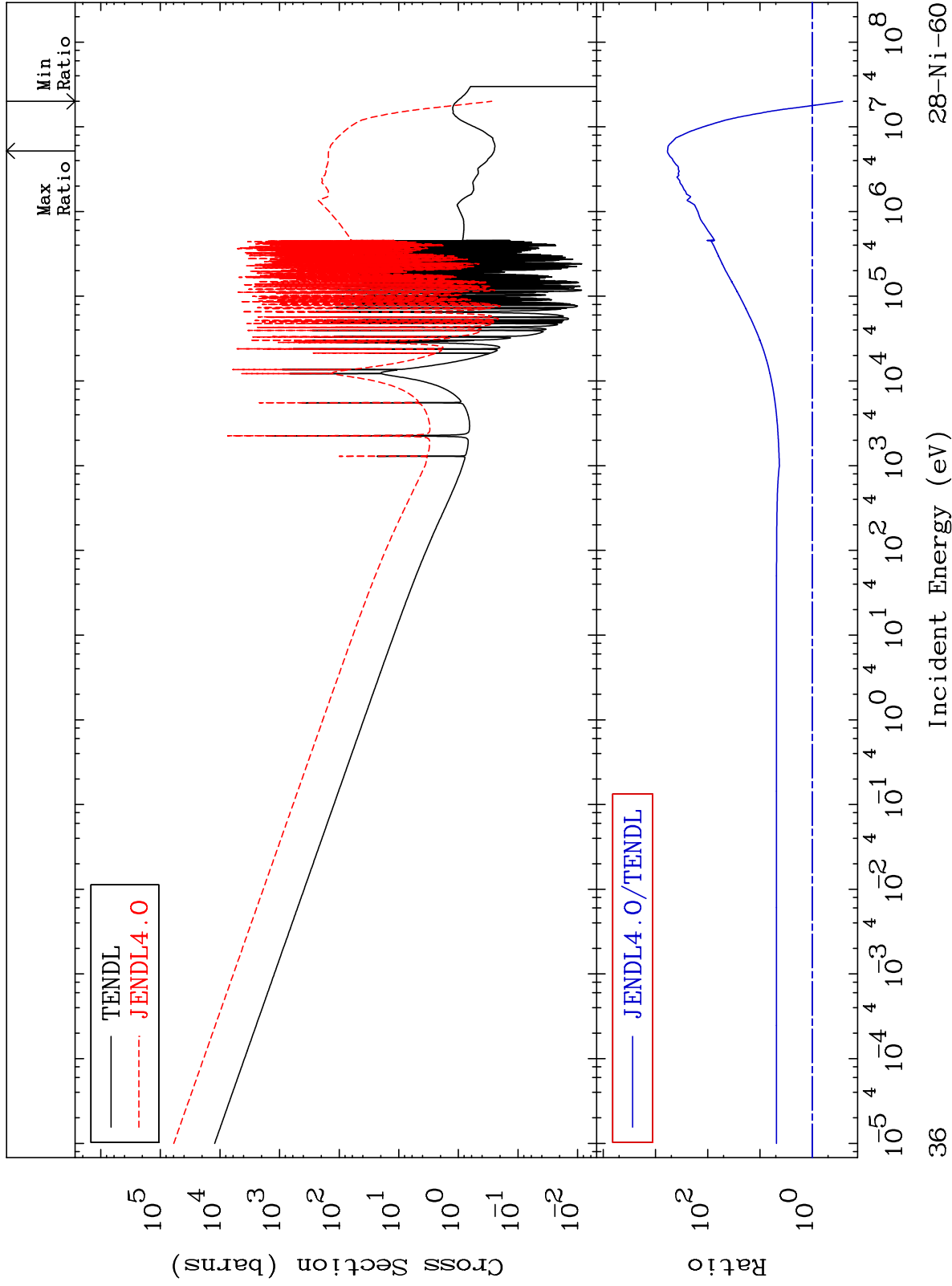
Incident Energy (eV)

28-Ni-60

MAT 2831

Kerma capture (mt102)
Cross Section

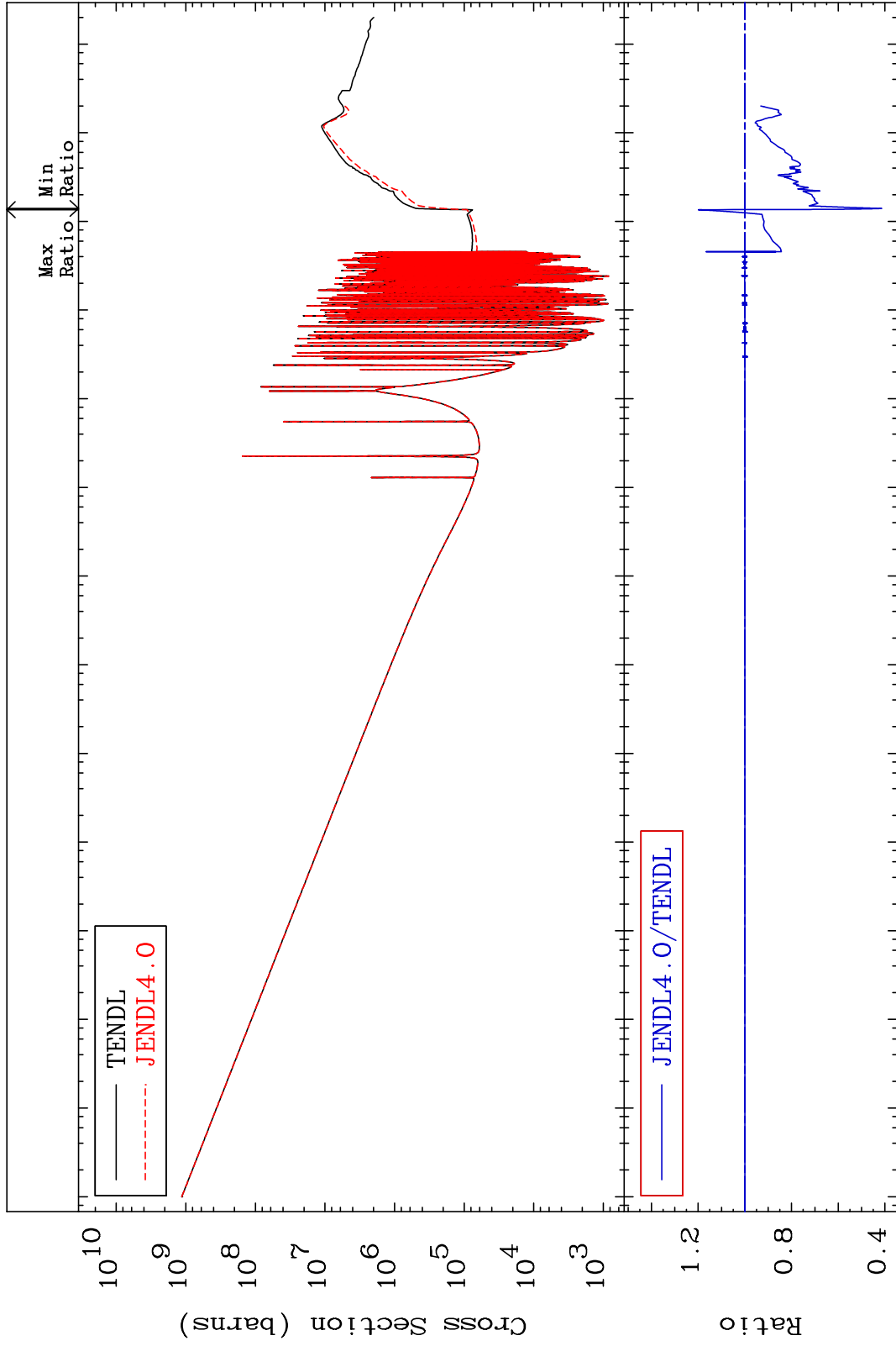
28-Ni-60
-73.80 To 9999. %



MAT 2831

Total photon (eV-barns)
Cross Section

28-Ni-60
-58.55 To 19.90 %



37

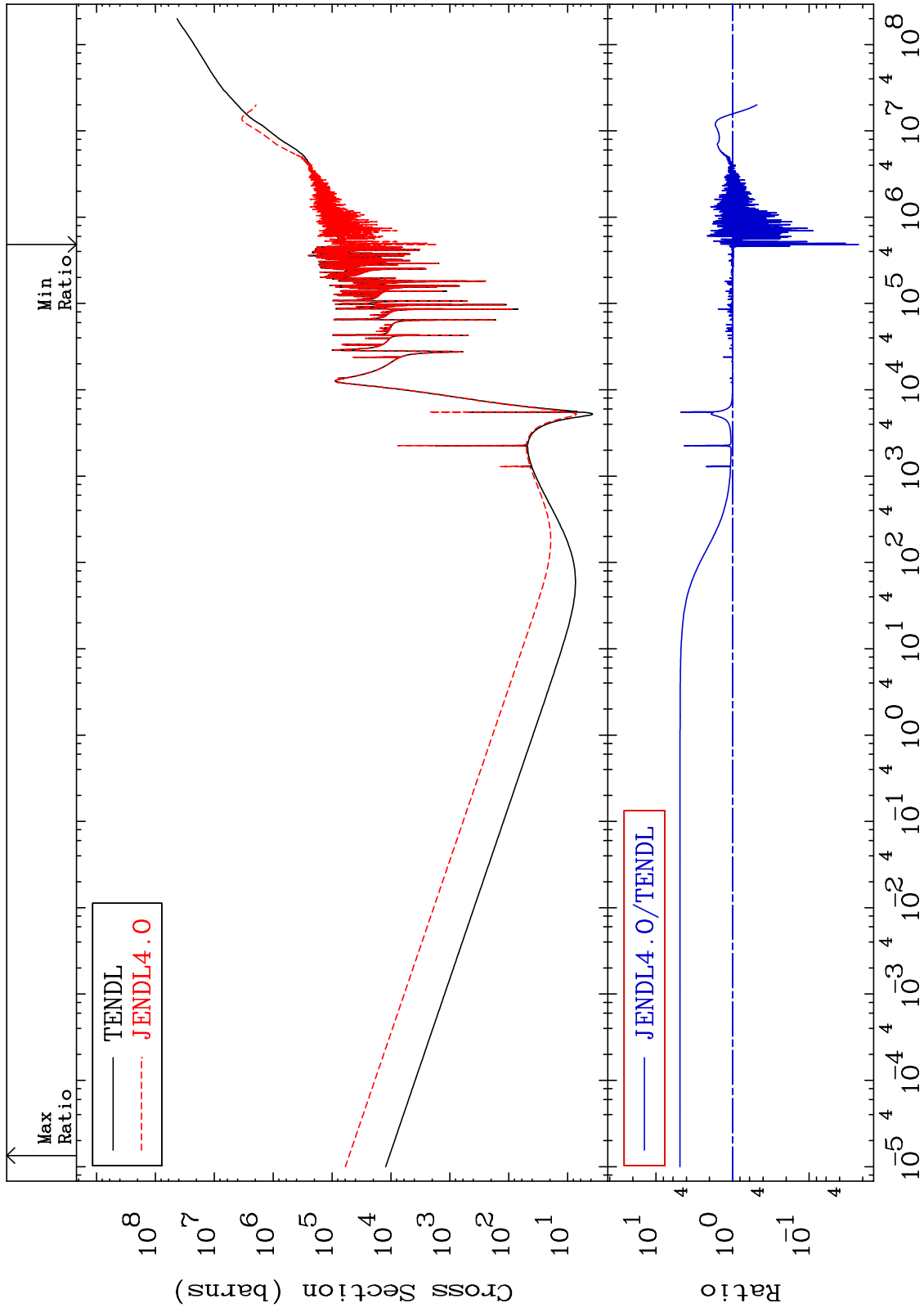
Incident Energy (eV)

28-Ni-60

MAT 2831

Total kinematic kerma (high limit)
Cross Section

28-Ni-60
-97.72 To 384.8 %



38

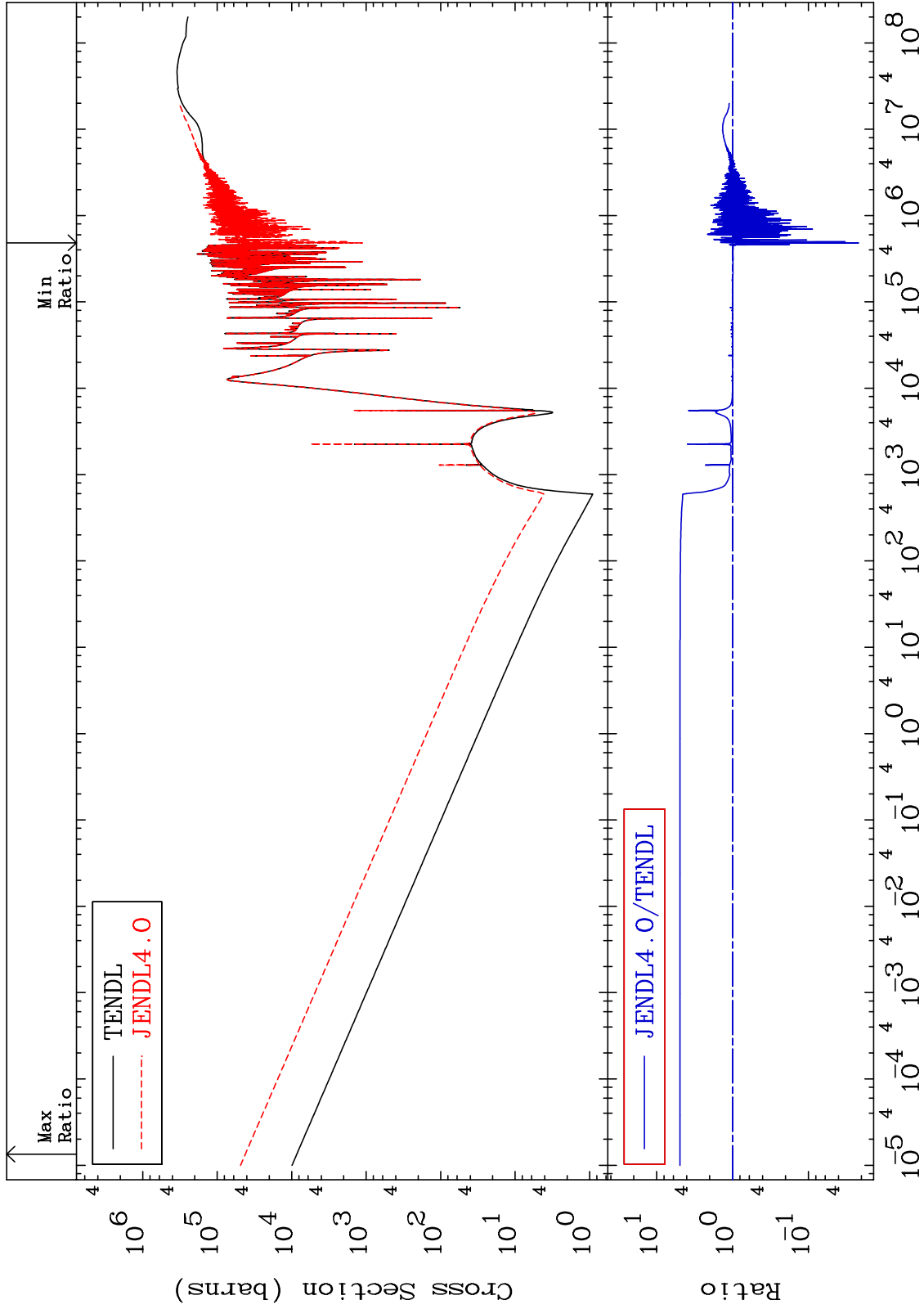
Incident Energy (eV)

28-Ni-60

MAT 2831

Dpa total (eV-barns)
Cross Section

28-Ni-60
-97.81 To 391.3 %



39

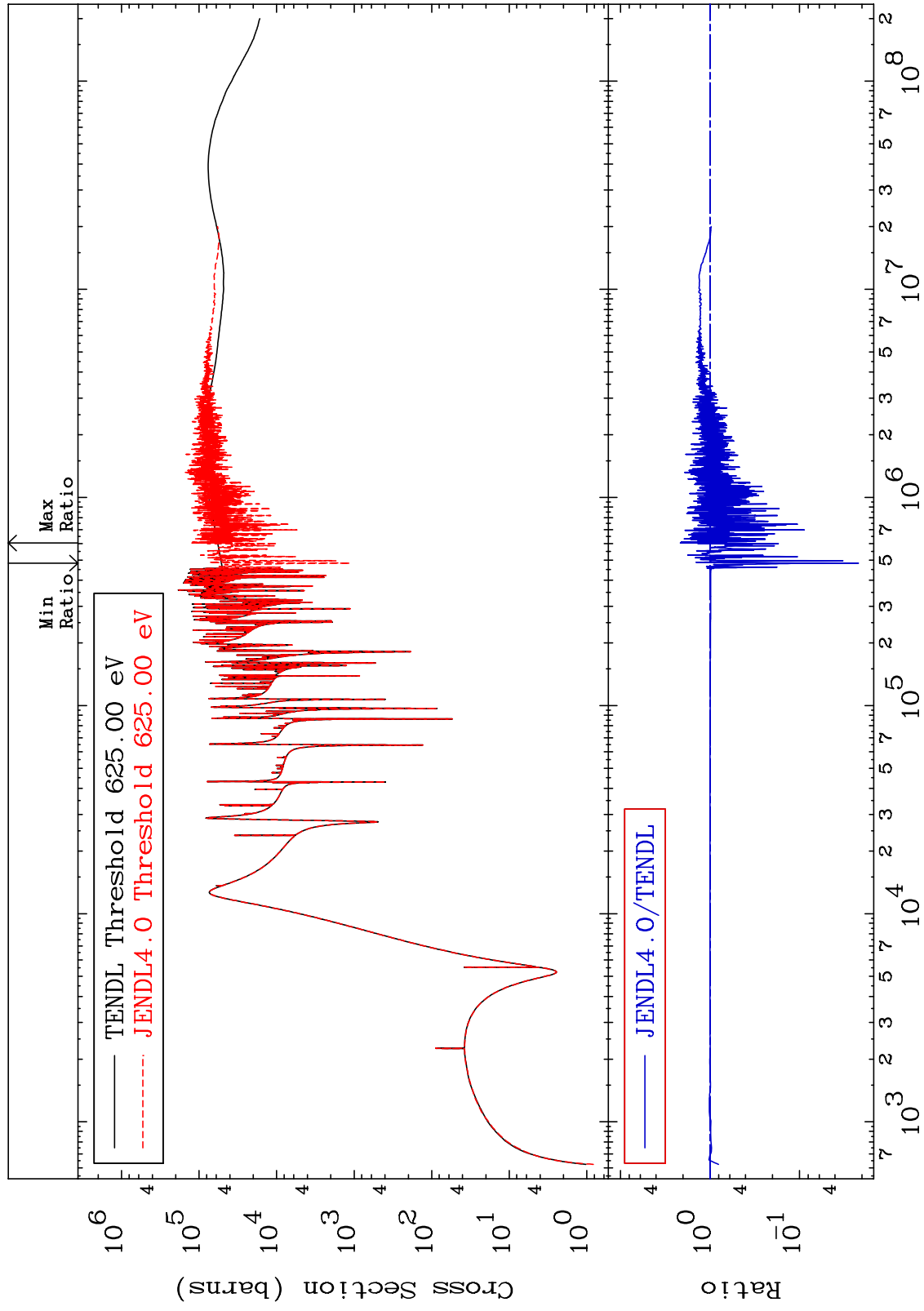
Incident Energy (eV)

28-Ni-60

MAT 2831

Dpa elastic (mt2)
Cross Section

28-Ni-60
-97.81 To 113.8 %



40

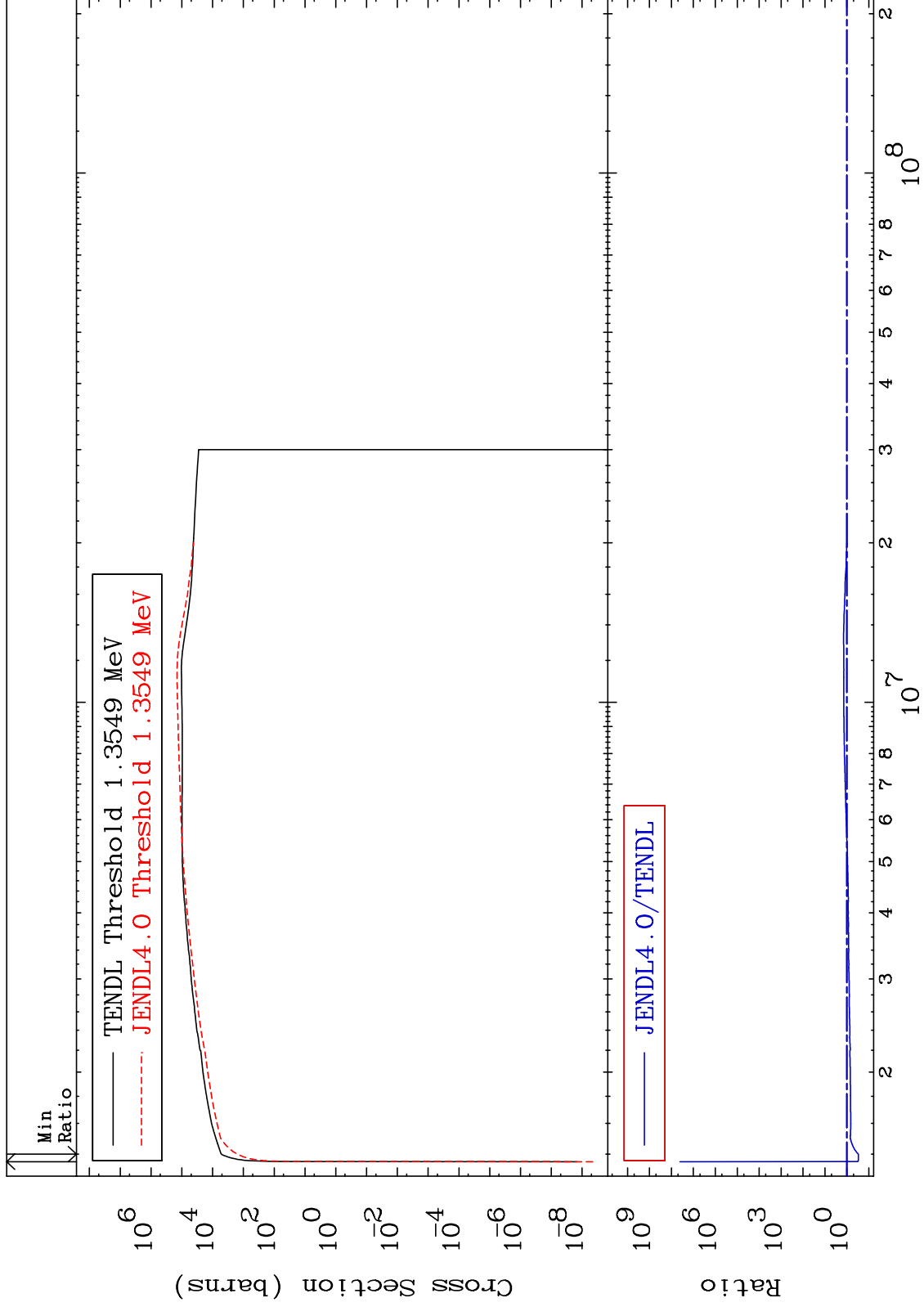
Incident Energy (eV)

28-Ni-60

MAT 2831

Dpa inelastic (mt51-91)
Cross Section

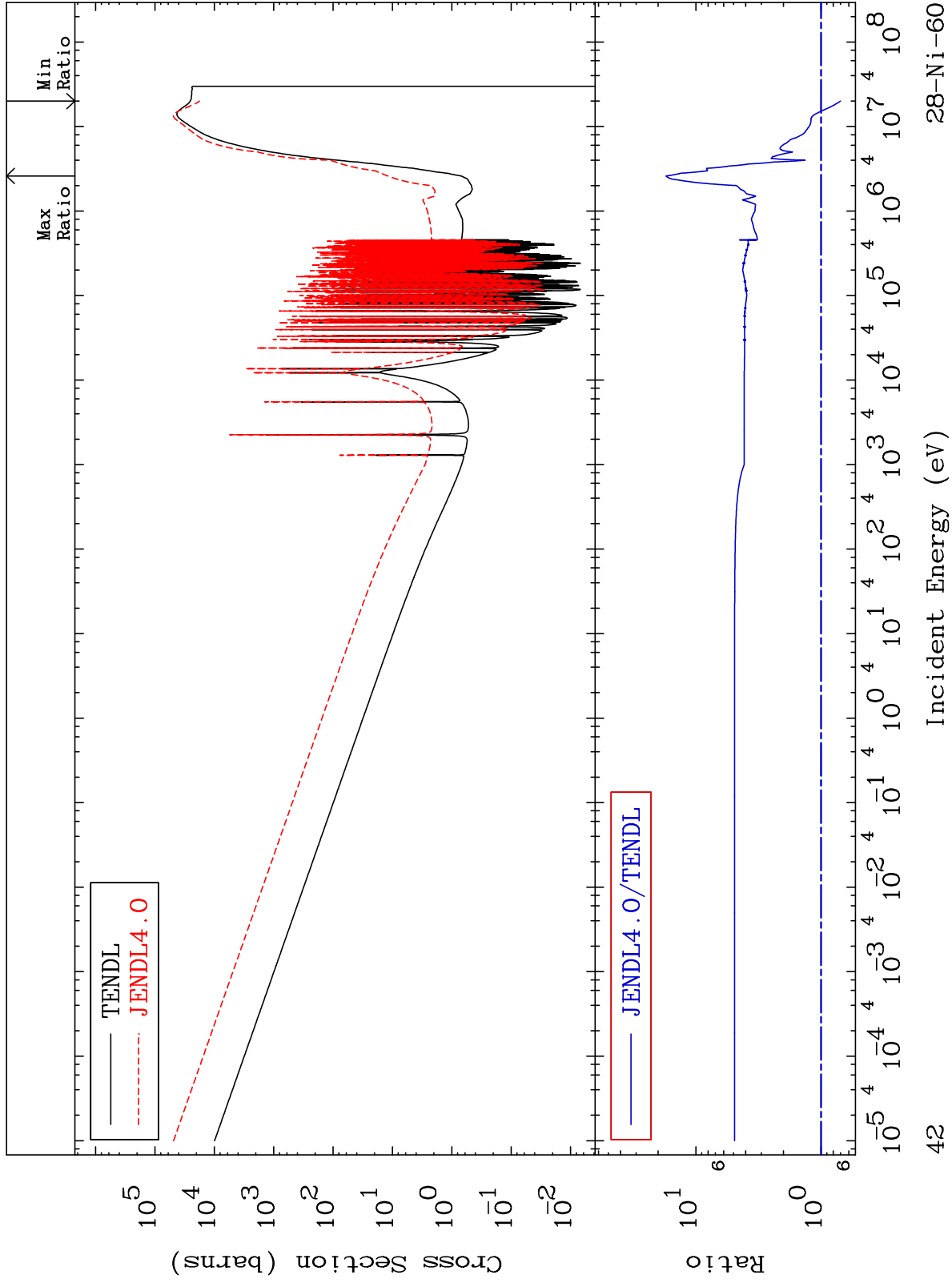
28-Ni-60
-70.09 To 9999. %

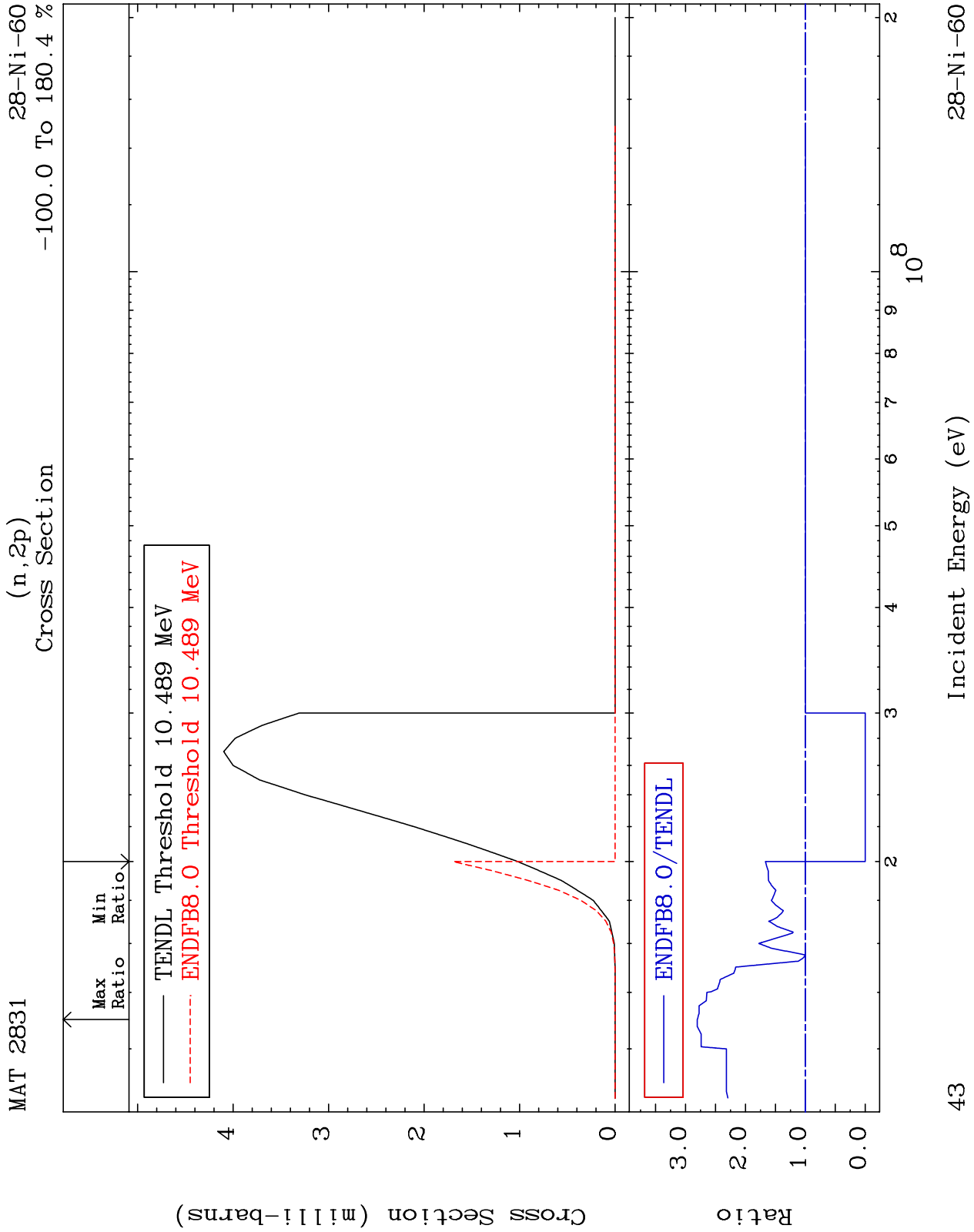


MAT 2831

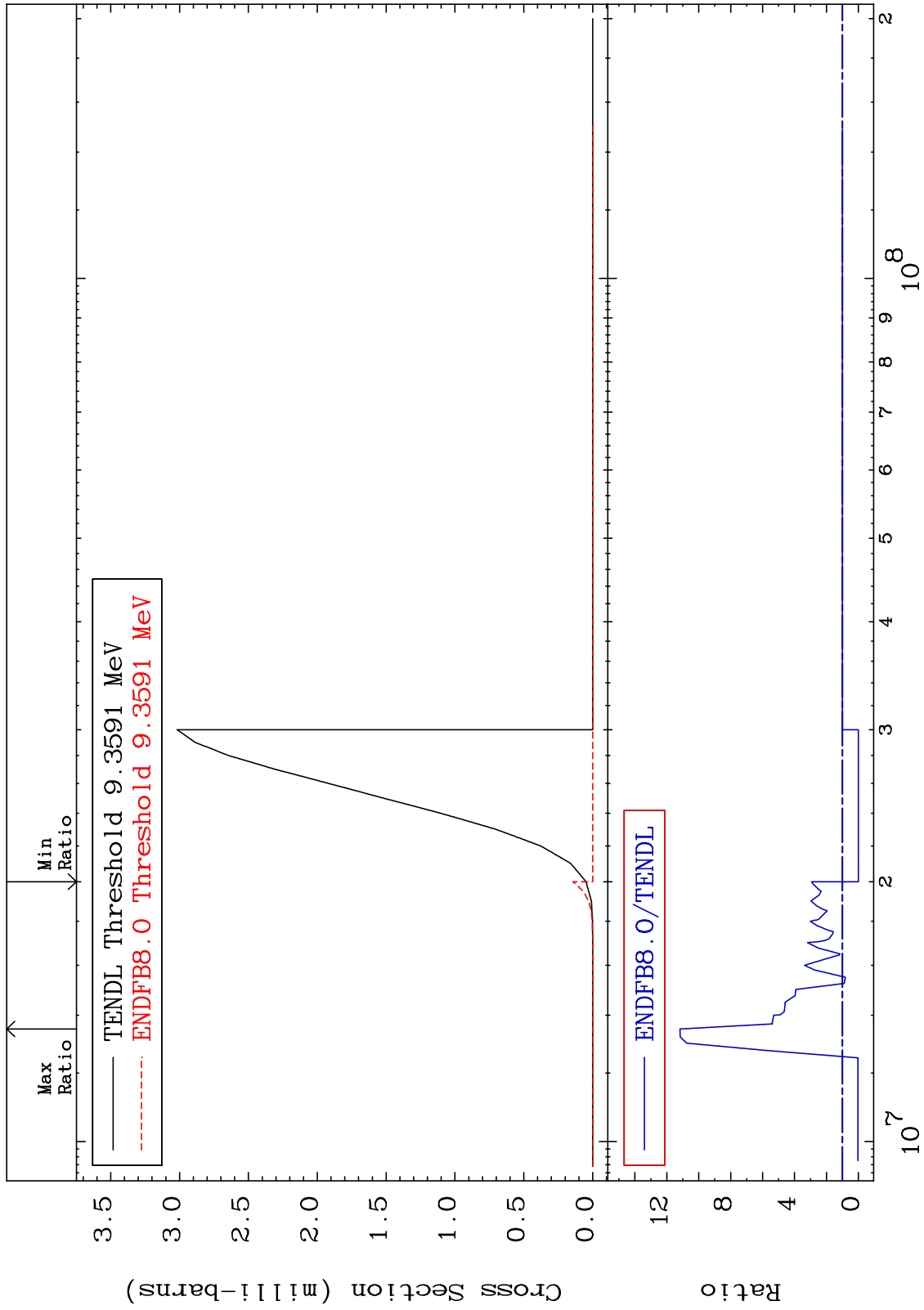
Dpa disappearance (mt102 -120)
Cross Section

28-Ni-60
-30.05 To 1637. %





MAT 2831 (n,p) α 28-Ni-60
 Cross Section -100.0 To 1017. %

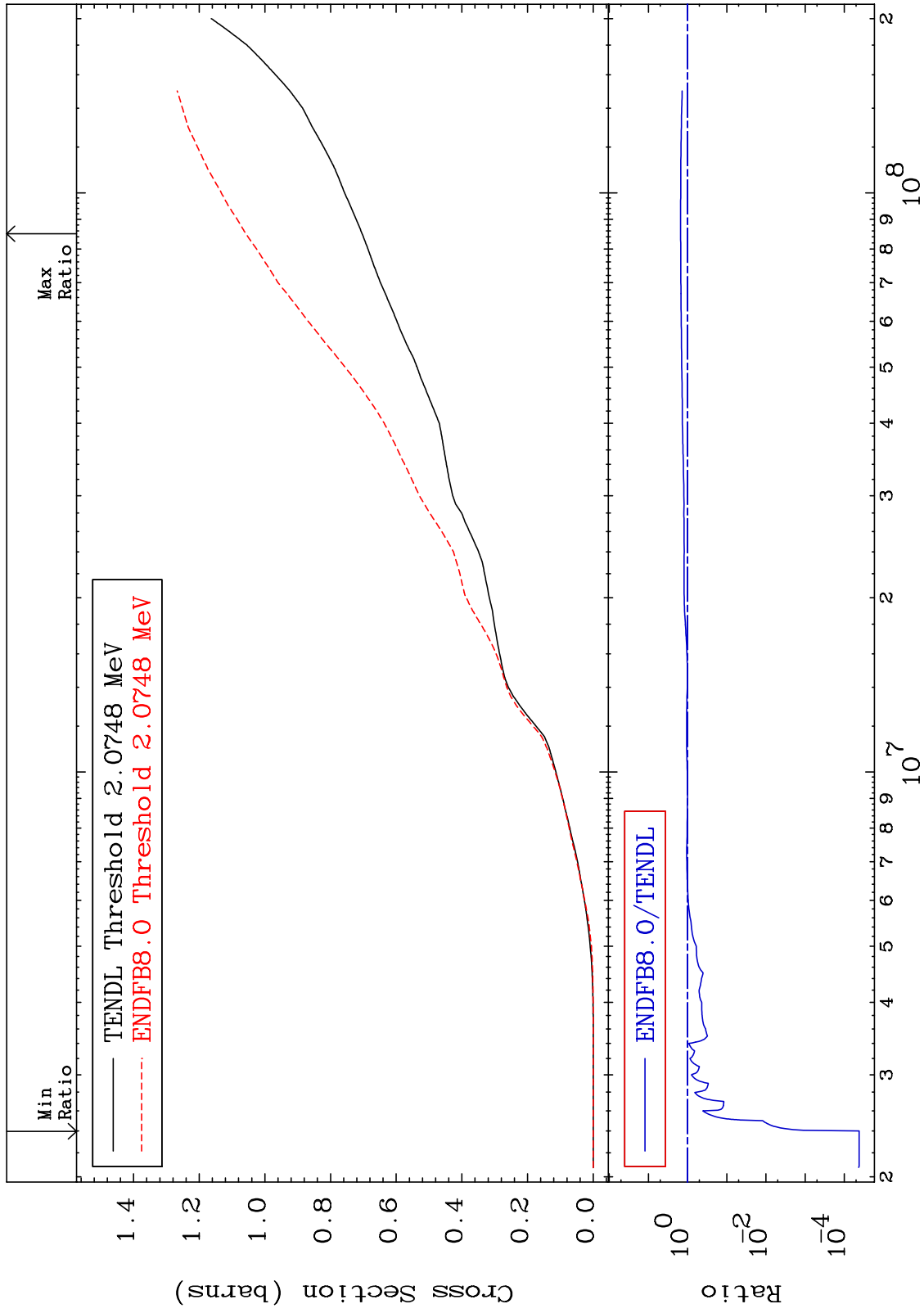


44 28-Ni-60

MAT 2831

Hydrogen Production
Cross Section

28-Ni-60
-100.0 To 50.34 %



45

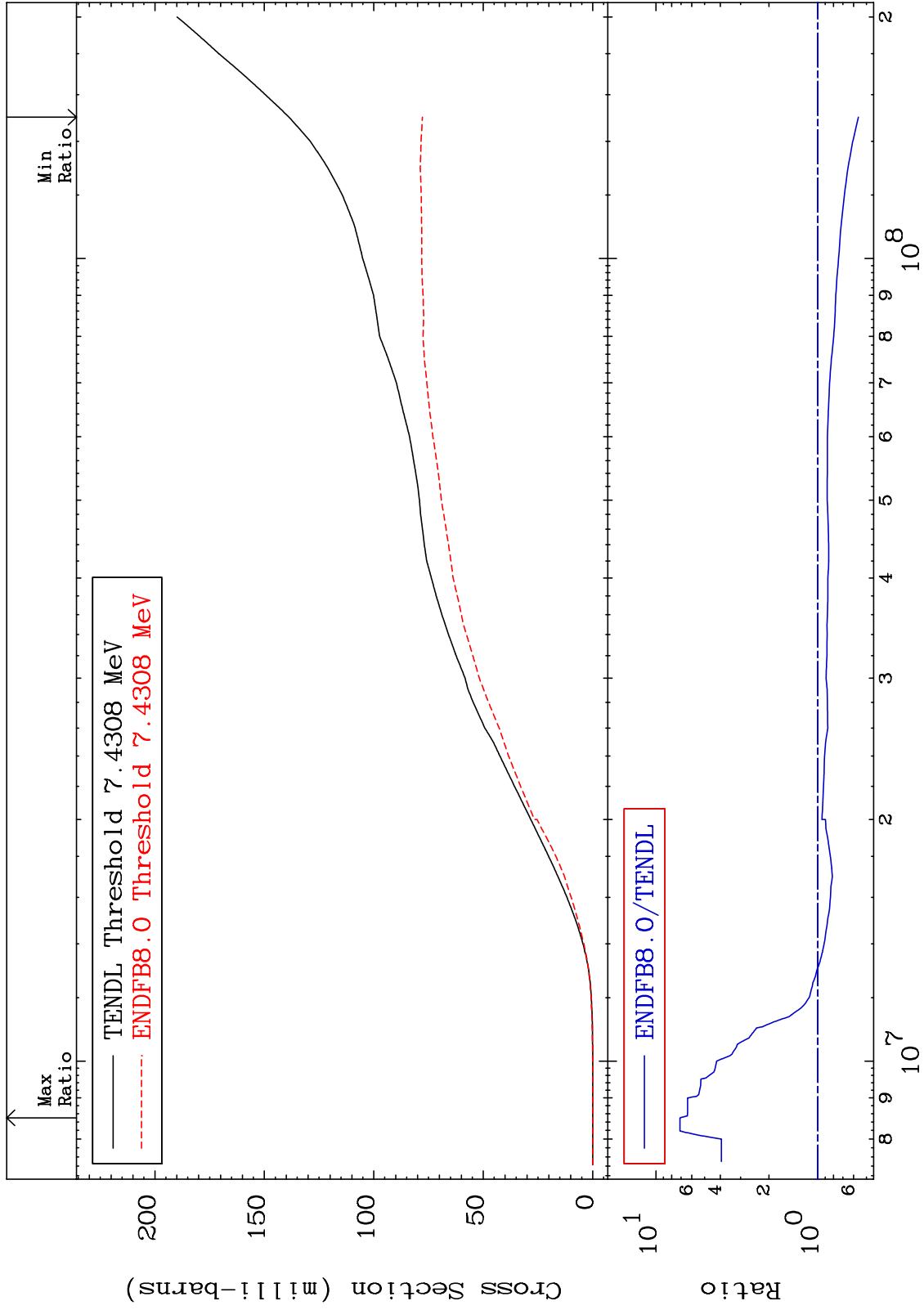
Incident Energy (eV)

28-Ni-60

MAT 2831

Deuterium Production
Cross Section

28-Ni-60
-43.92 To 609.3 %



46

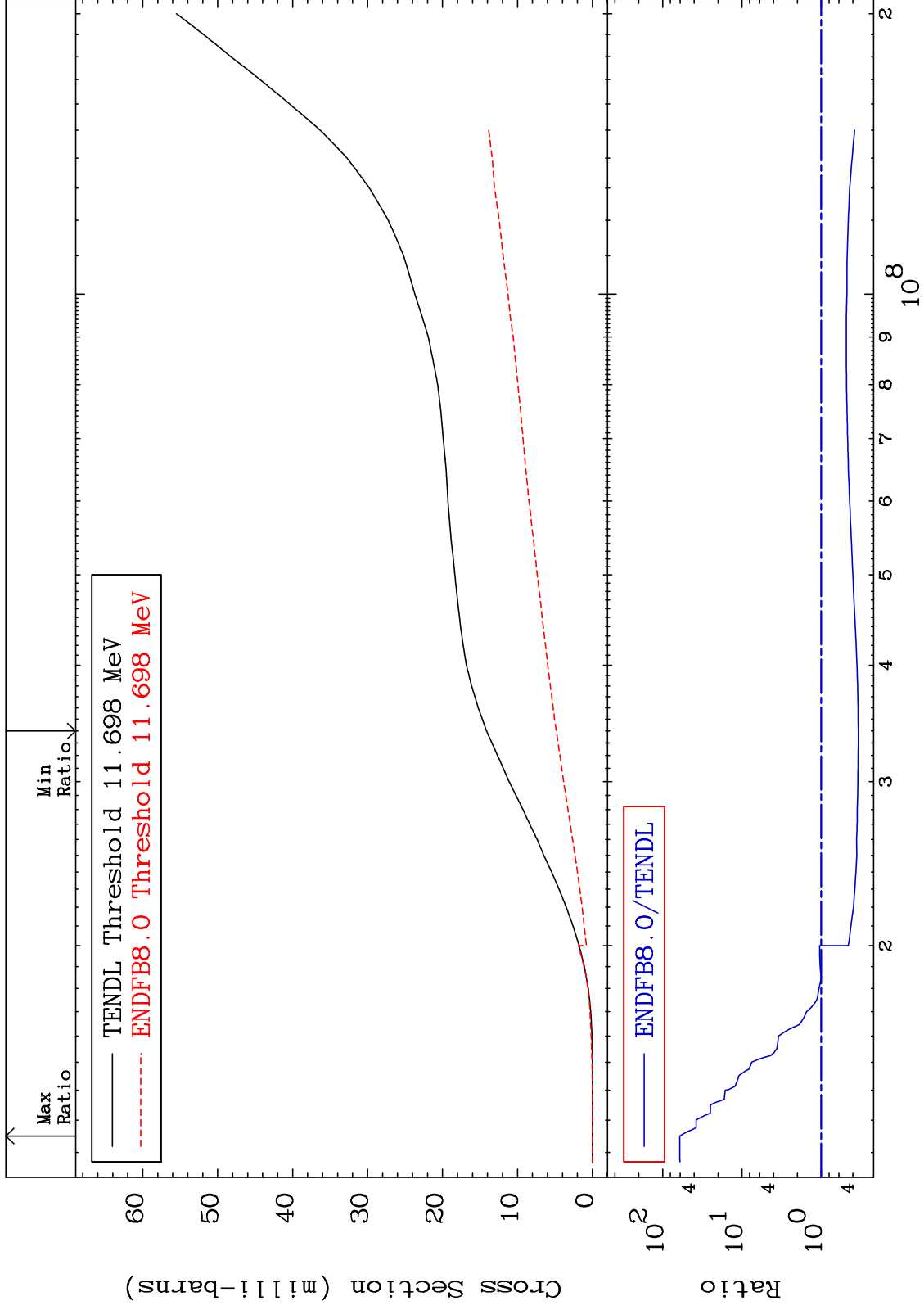
28-Ni-60

28-Ni-60

MAT 2831

Tritium Production
Cross Section

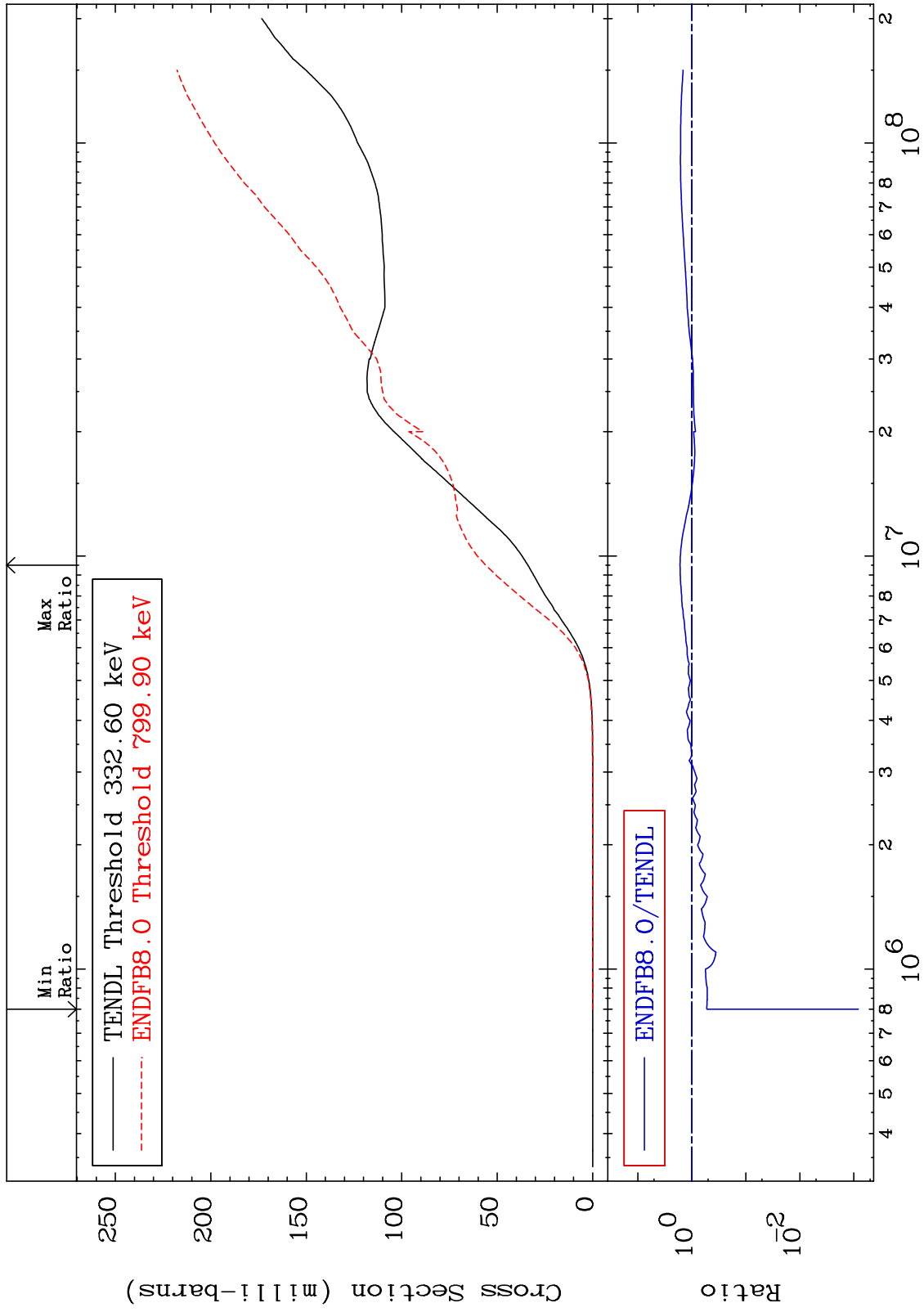
28-Ni-60
-65.93 To 5977. %



MAT 2831

He-4 Production
Cross Section

28-Ni-60
-99.92 To 65.08 %



48

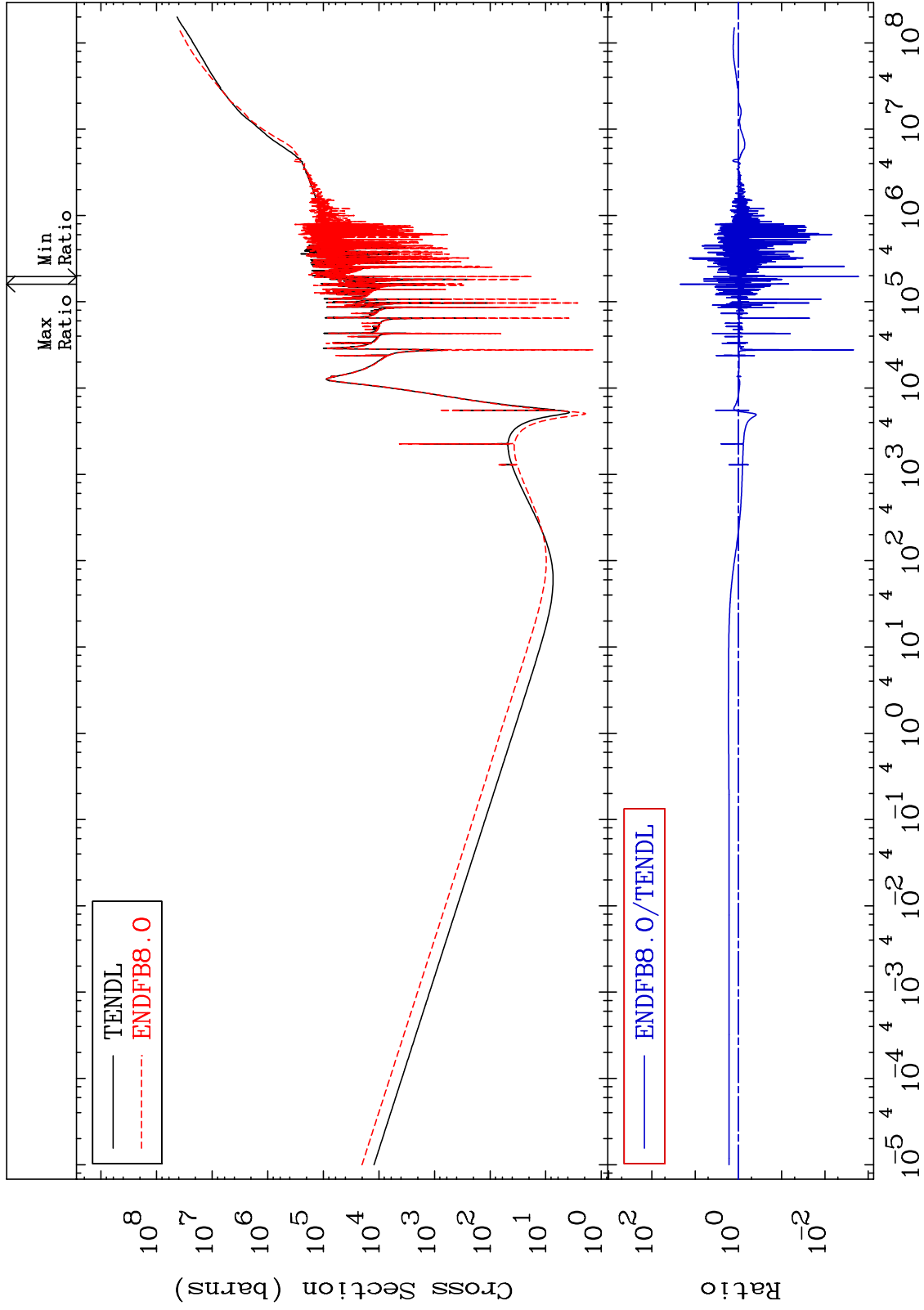
28-Ni-60

28-Ni-60

MAT 2831

Kerma total (eV-barns)
Cross Section

28-Ni-60
-99.83 To 2135. %



49

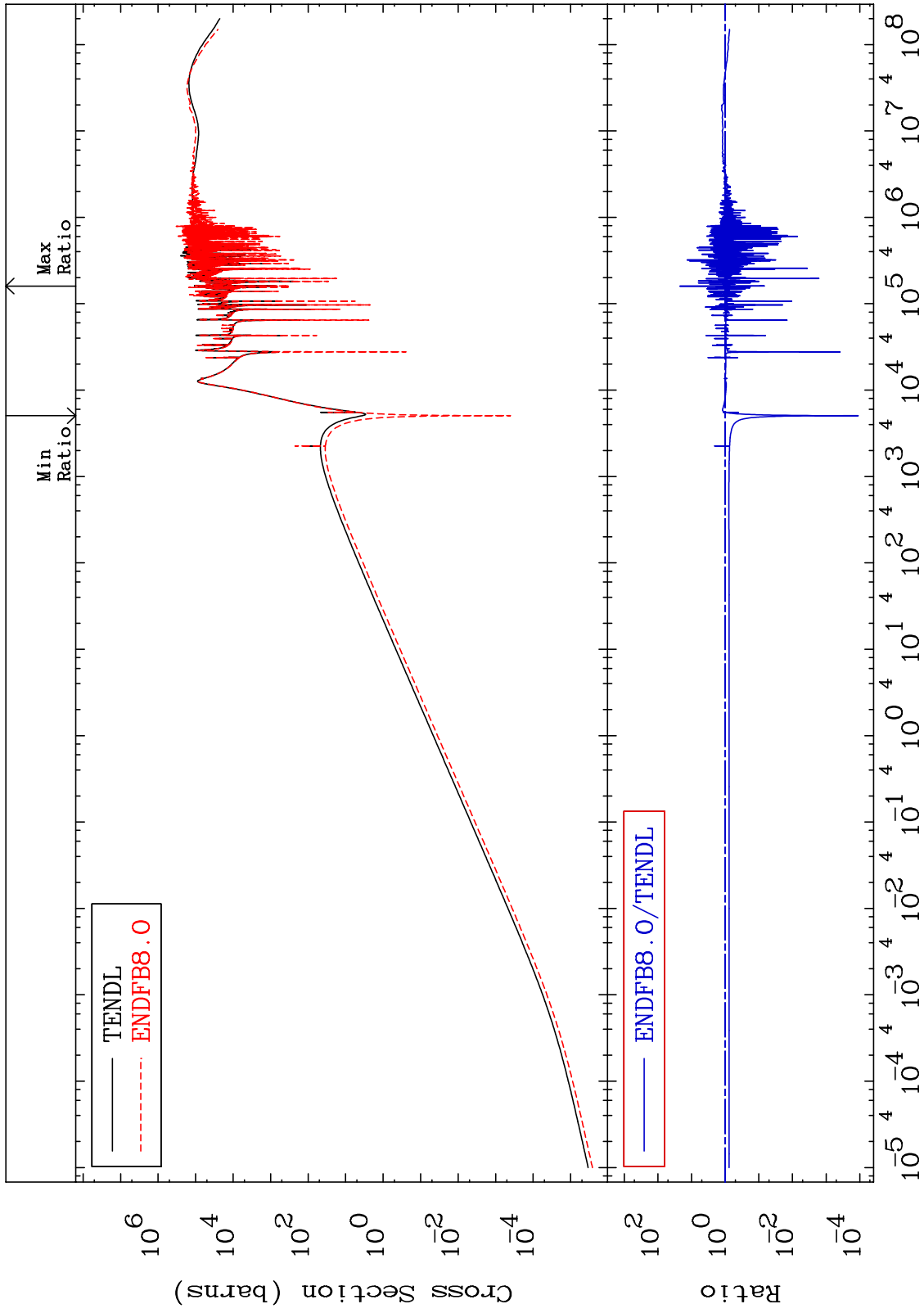
Incident Energy (eV)

28-Ni-60

MAT 2831

Kerma elastic
Cross Section

28-Ni-60
-99.99 To 2134. %



50

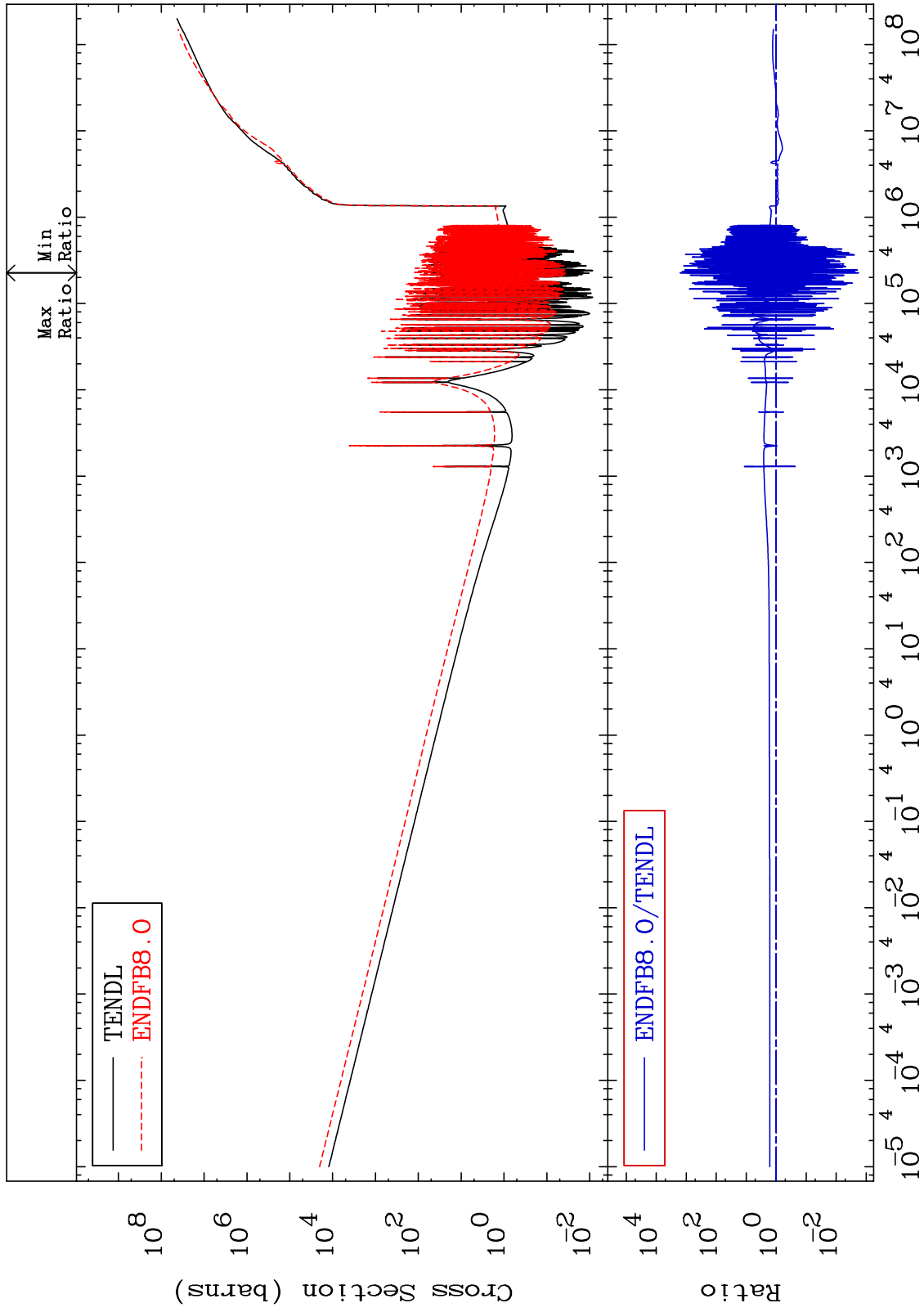
Incident Energy (eV)

28-Ni-60

MAT 2831

Kerma non-elastic (all but mt2)
Cross Section

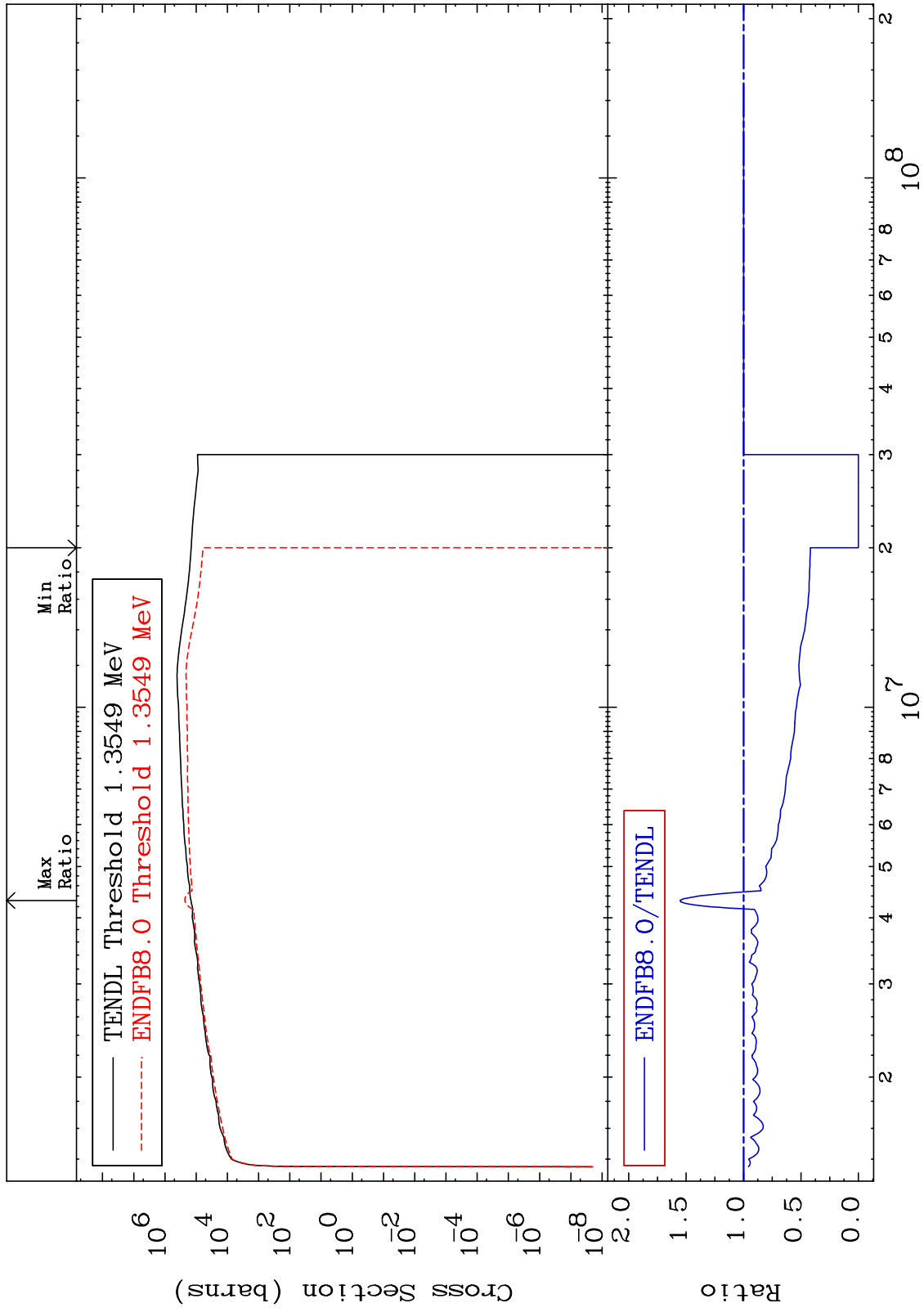
28-Ni-60
-99.82 To 9999. %



MAT 2831

Kerma inelastic (mt51-91)
Cross Section

28-Ni-60
-100.0 To 55.30 %



52

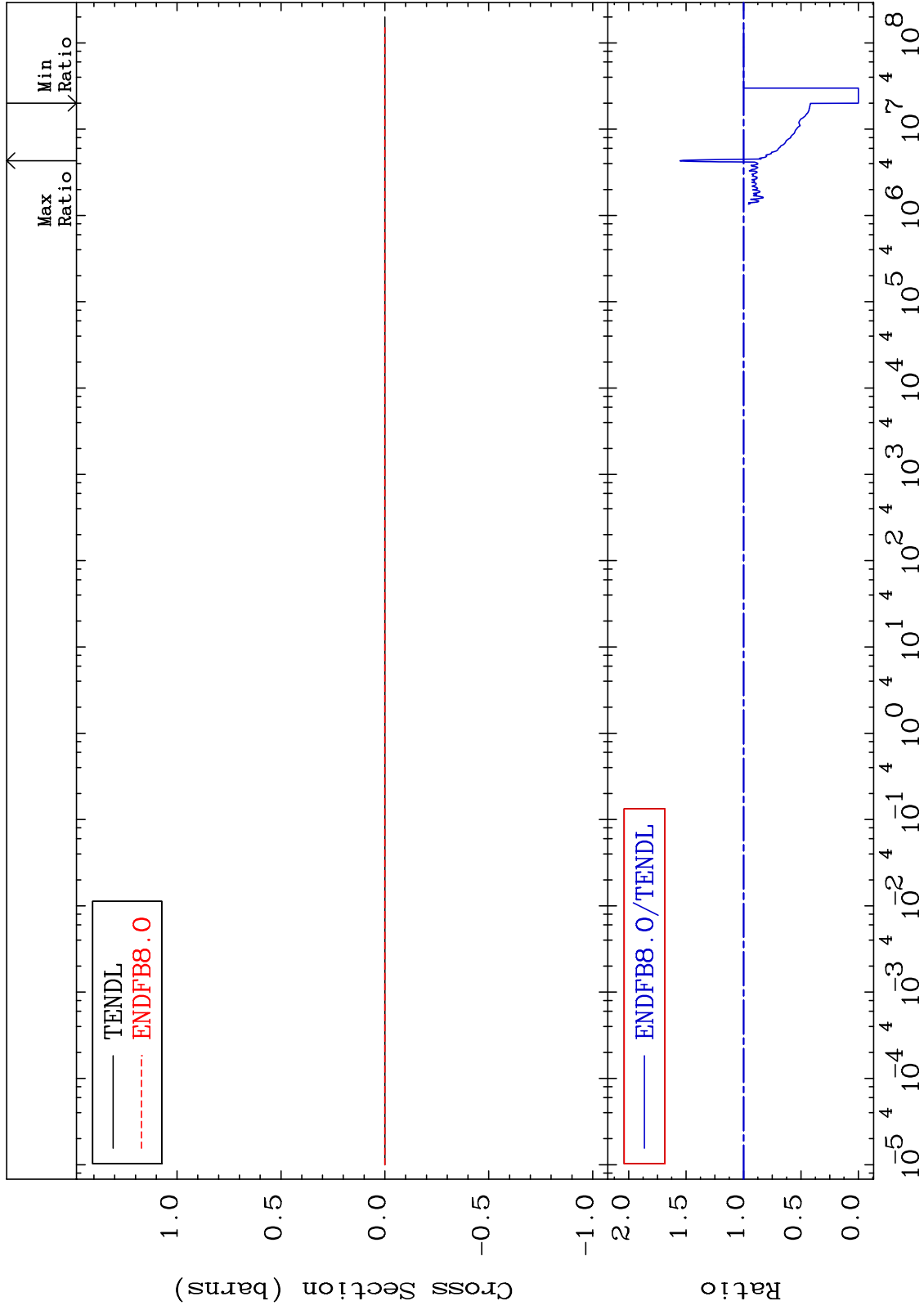
Incident Energy (eV)

28-Ni-60

MAT 2831

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

28-Ni-60
-100.0 To 55.30 %



53

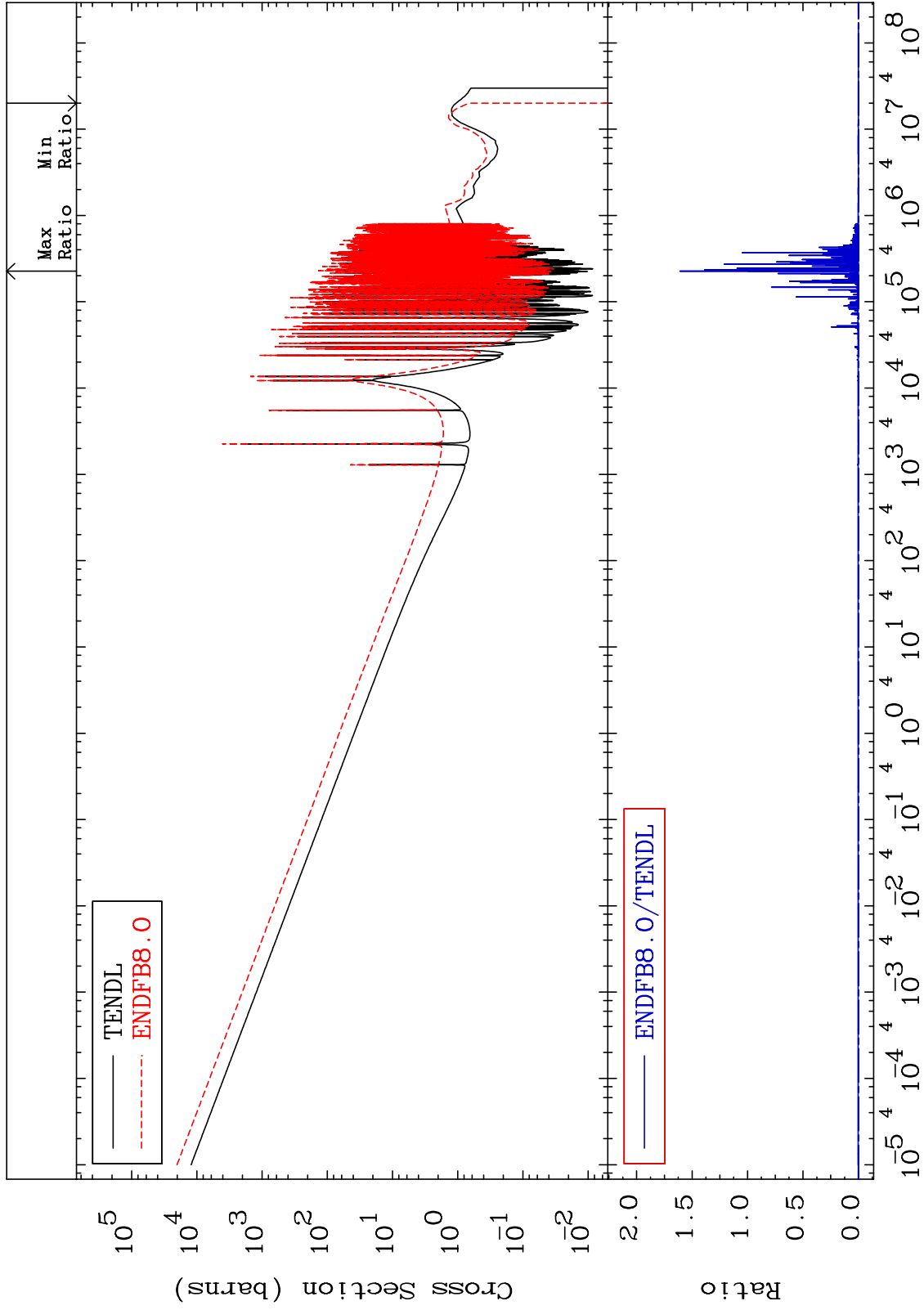
Incident Energy (eV)

28-Ni-60

MAT 2831

Kerma capture (mt102)
Cross Section

28-Ni-60
-100.0 To 9999. %



54

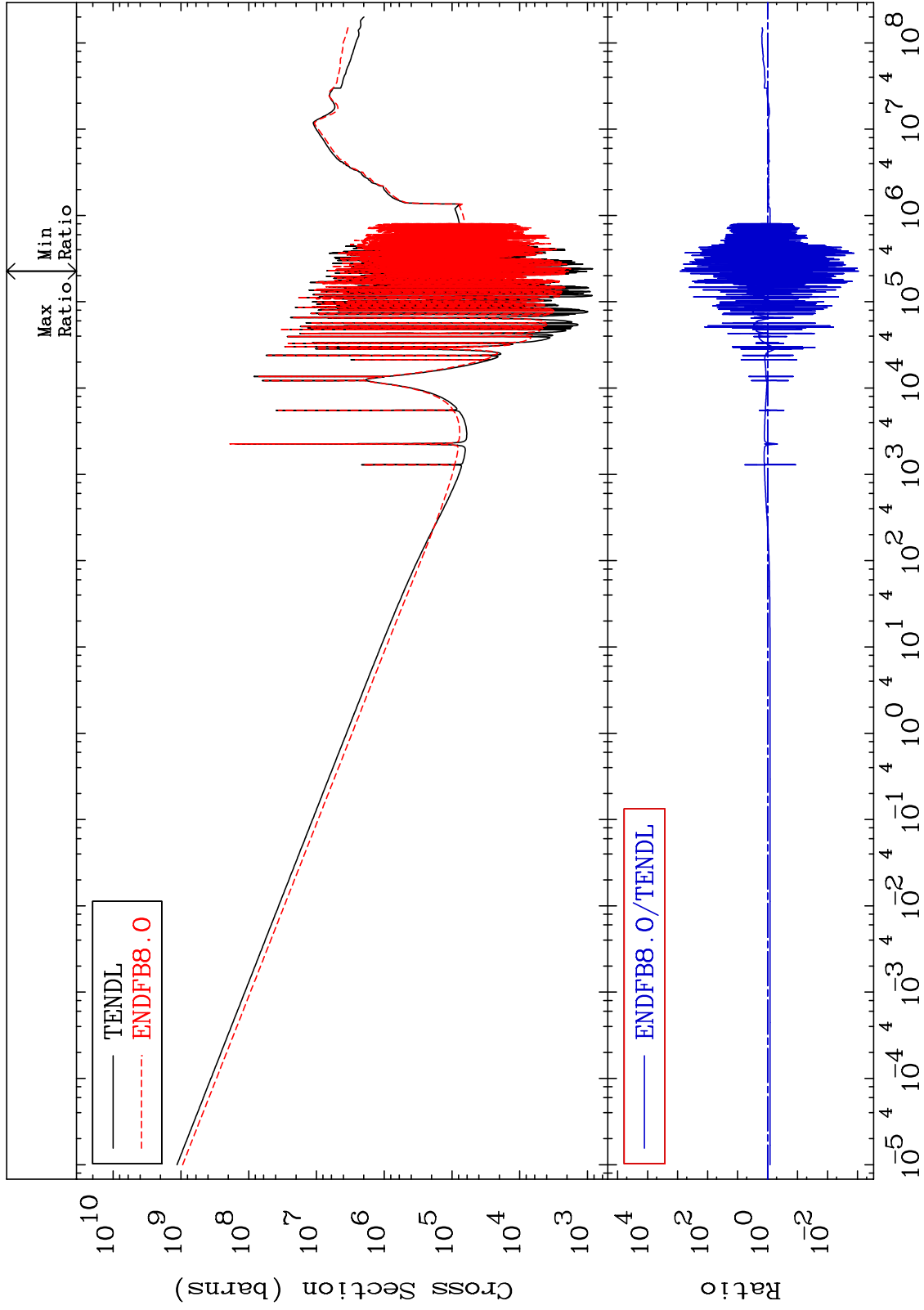
Incident Energy (eV)

28-Ni-60

MAT 2831

Total photon (eV-barns)
Cross Section

28-Ni-60
-99.91 To 9999. %



55

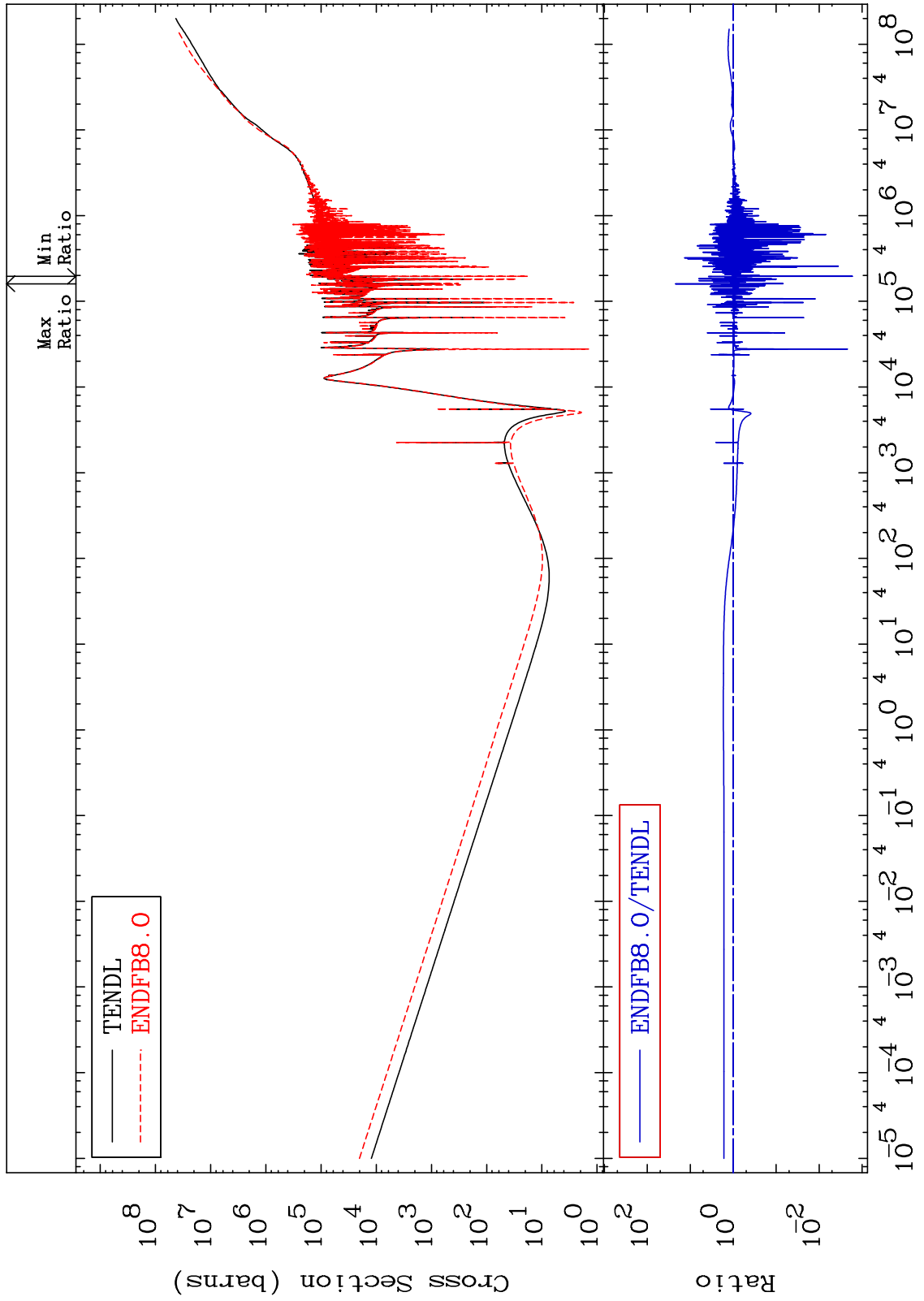
Incident Energy (eV)

28-Ni-60

MAT 2831

Total kinematic kerma (high limit)
Cross Section

28-Ni-60
-99.83 To 2135. %



56

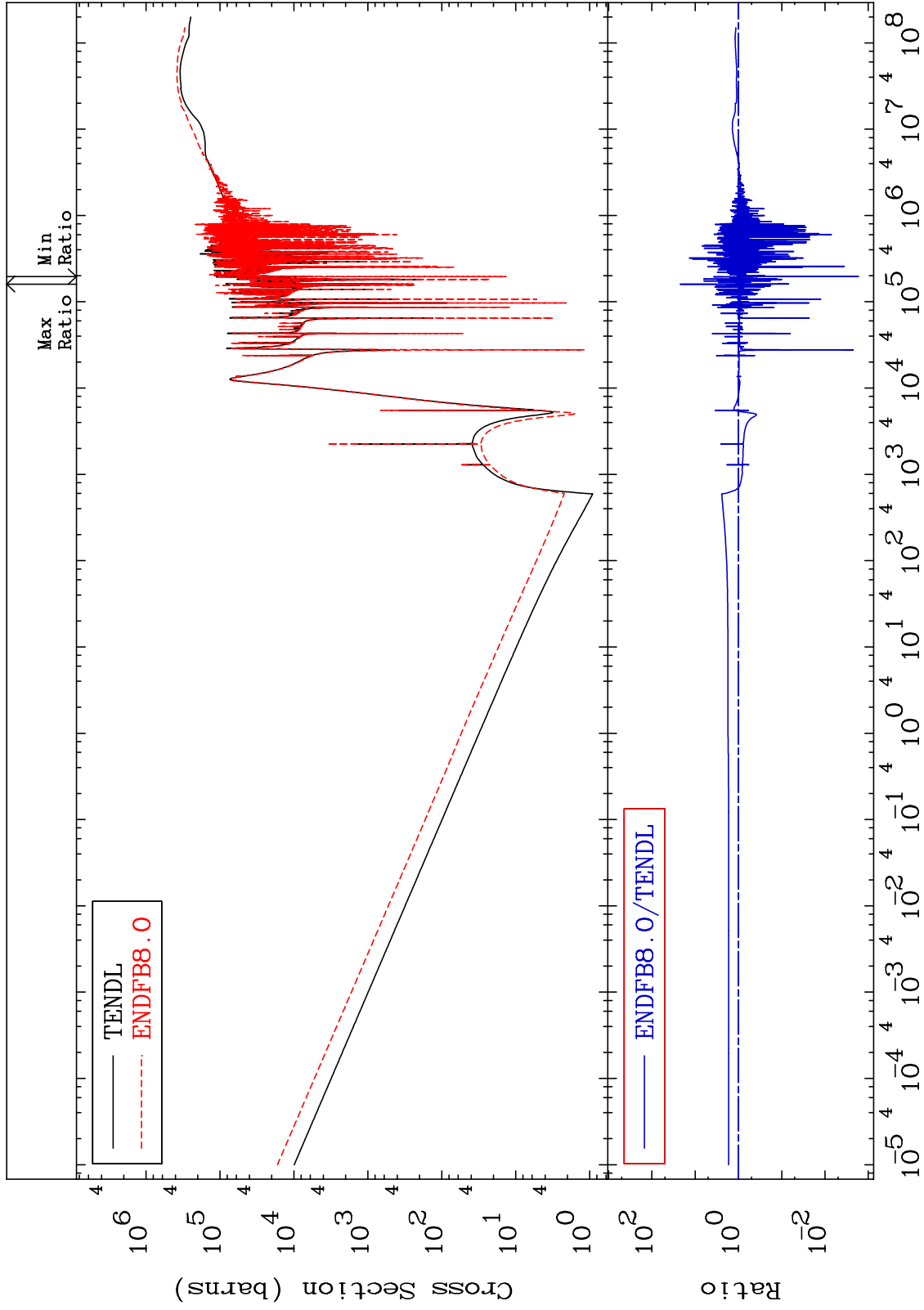
Incident Energy (eV)

28-Ni-60

MAT 2831

Dpa total (eV-barns)
Cross Section

28-Ni-60
-99.83 To 2139. %



57

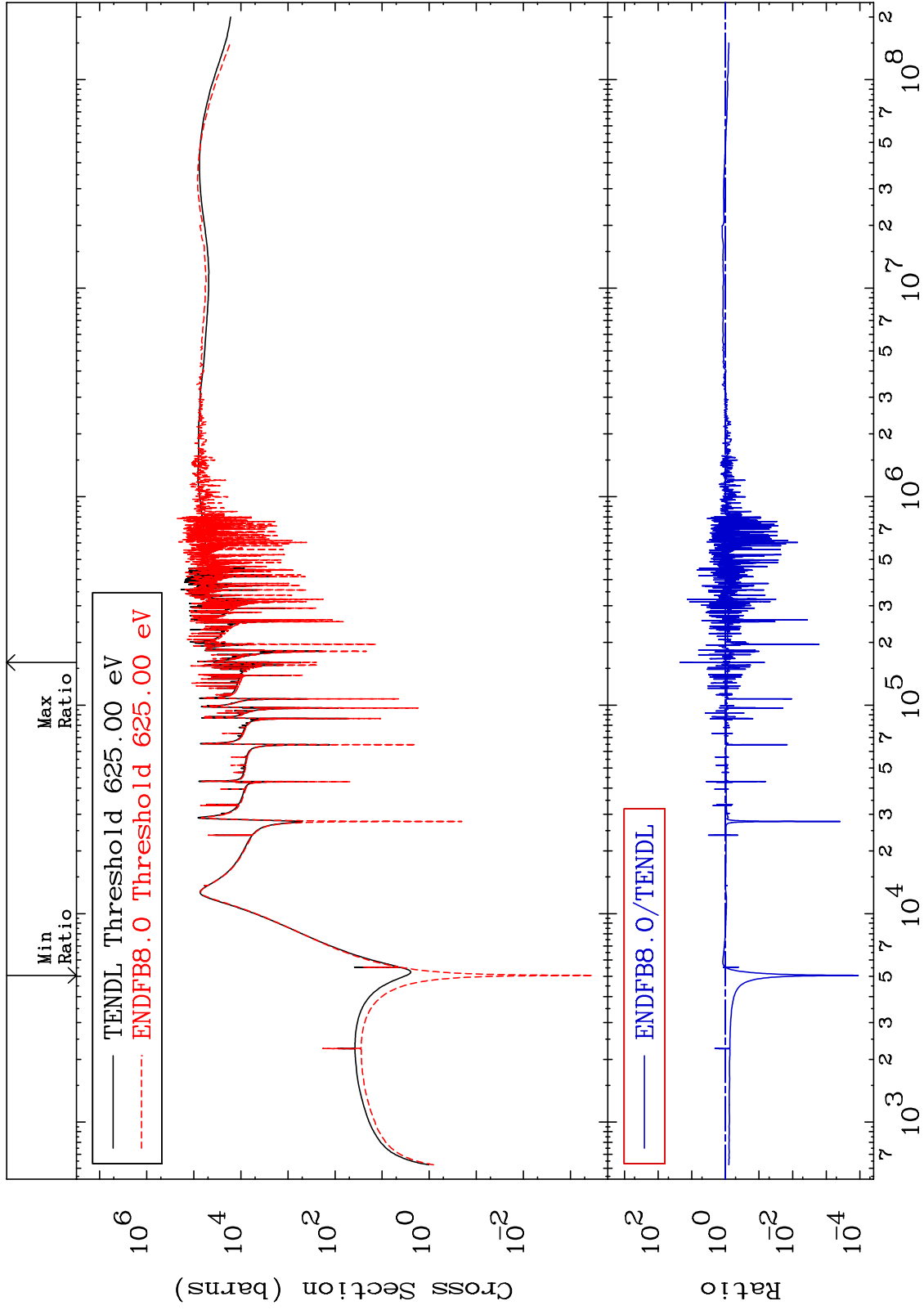
Incident Energy (eV)

28-Ni-60

MAT 2831

Dpa elastic (mt2)
Cross Section

28-Ni-60
-99.99 To 2139. %



58

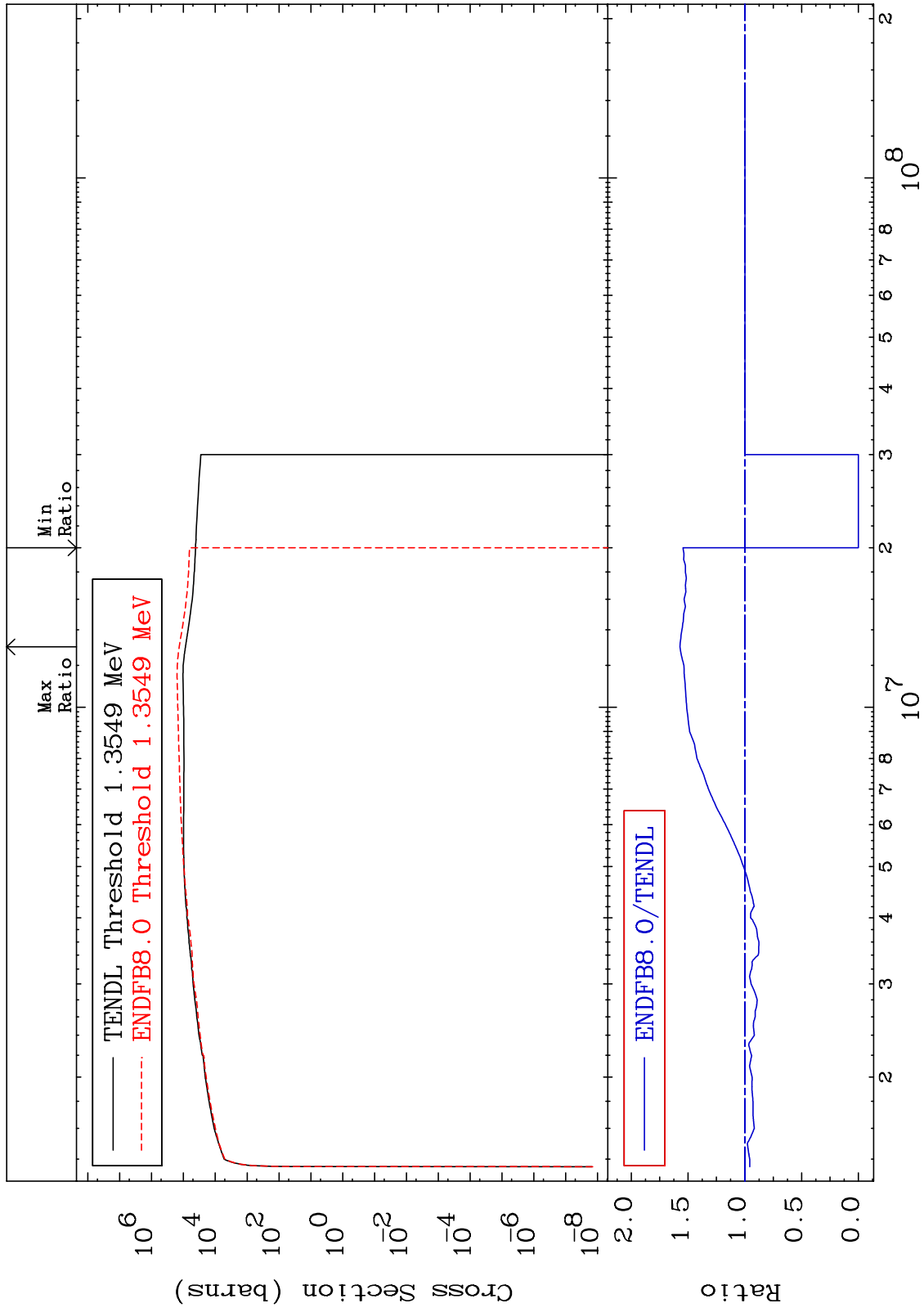
Incident Energy (eV)

28-Ni-60

MAT 2831

Dpa inelastic (mt51-91)
Cross Section

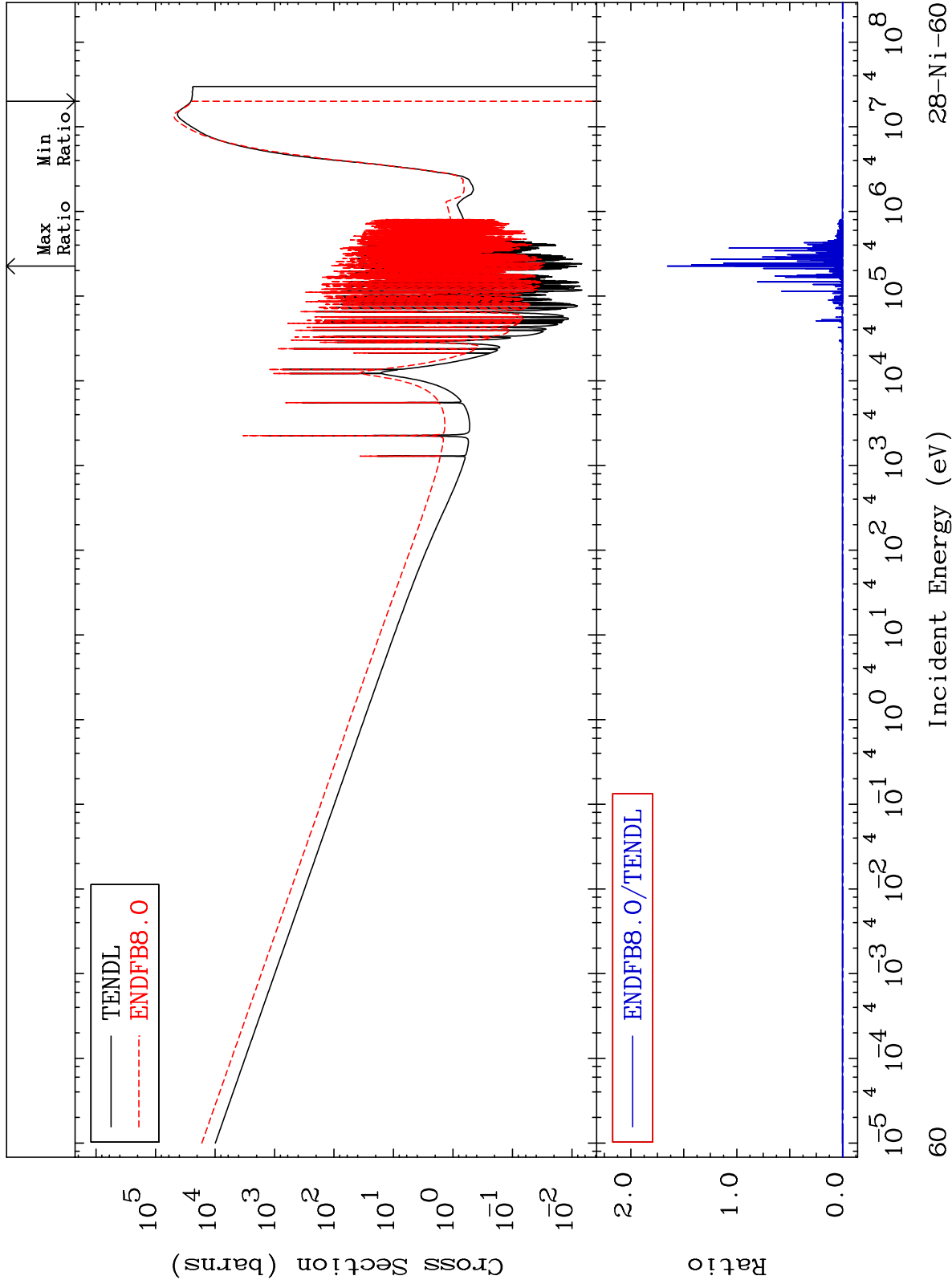
28-Ni-60
-100.0 To 57.09 %



MAT 2831

Dpa disappearance (mt102 -120)
Cross Section

28-Ni-60
-100.0 To 9999. %



60

Incident Energy (eV)

28-Ni-60