

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

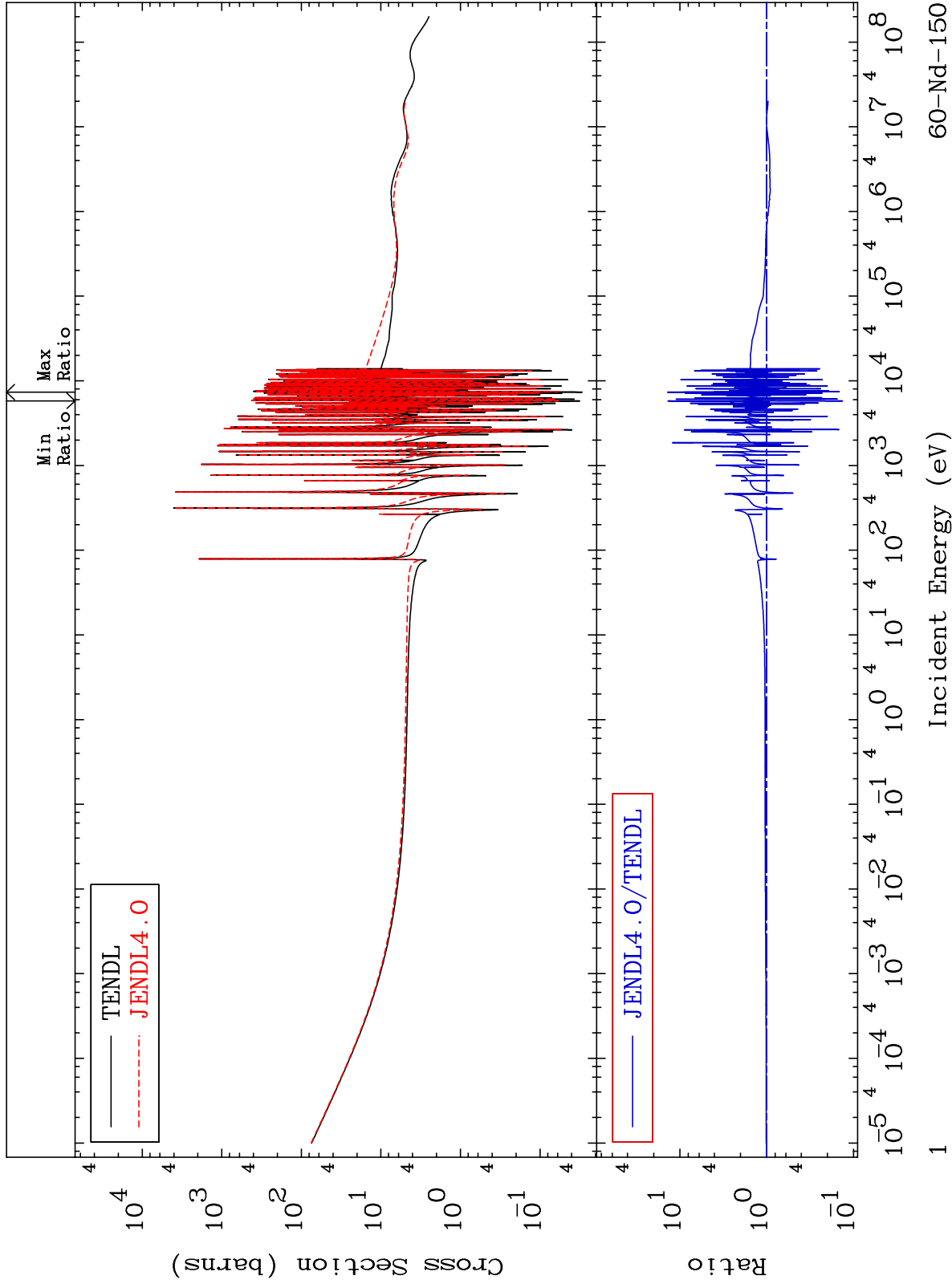
MAT 6049

Total

60-Nd-150

Cross Section

-86.66 To 1285. %

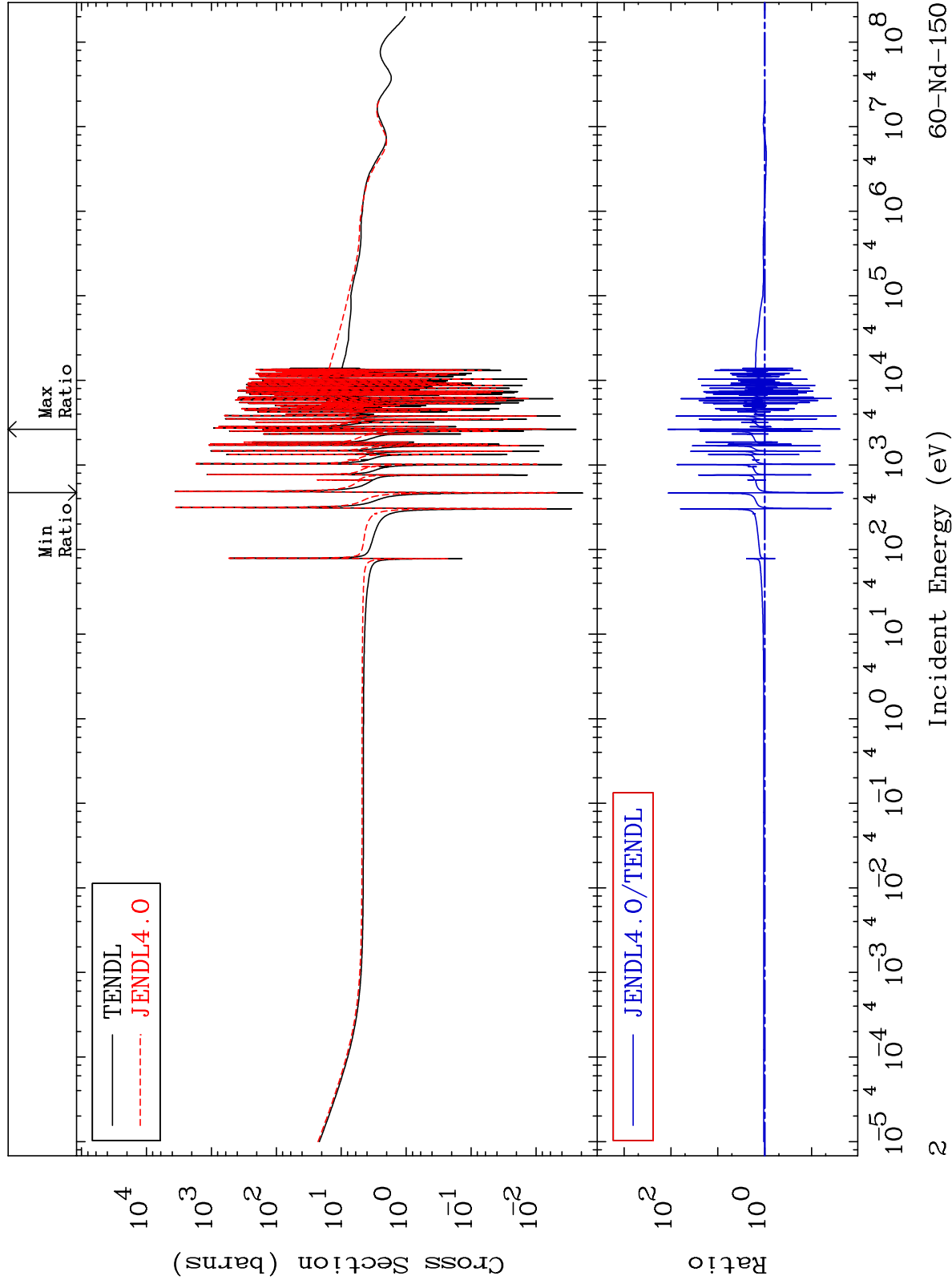


60-Nd-150

MAT 6049

Elastic
Cross Section

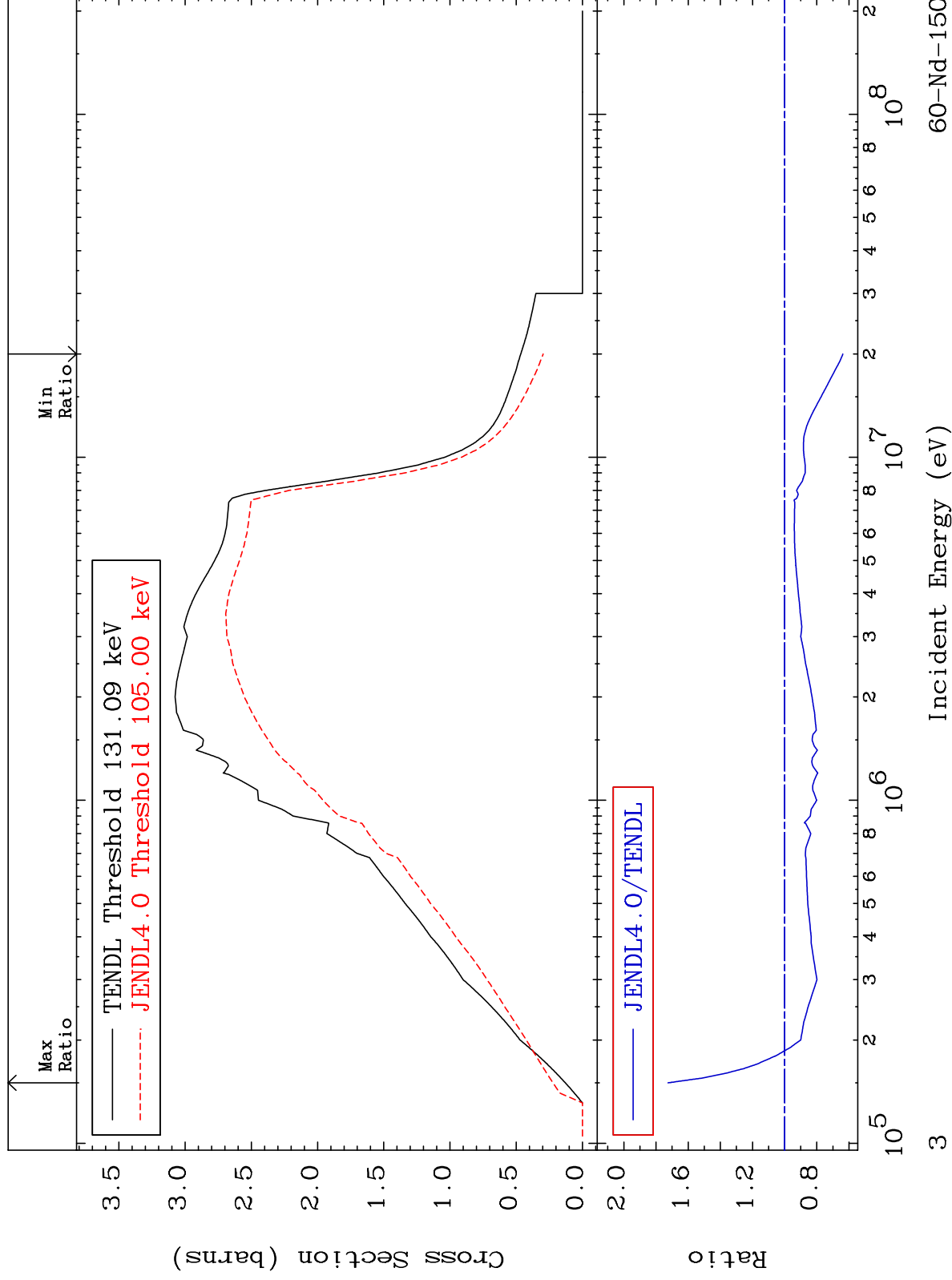
60-Nd-150
-97.85 To 9999. %



MAT 6049

Inelastic
Cross Section

60-Nd-150
-36.18 To 72.53 %

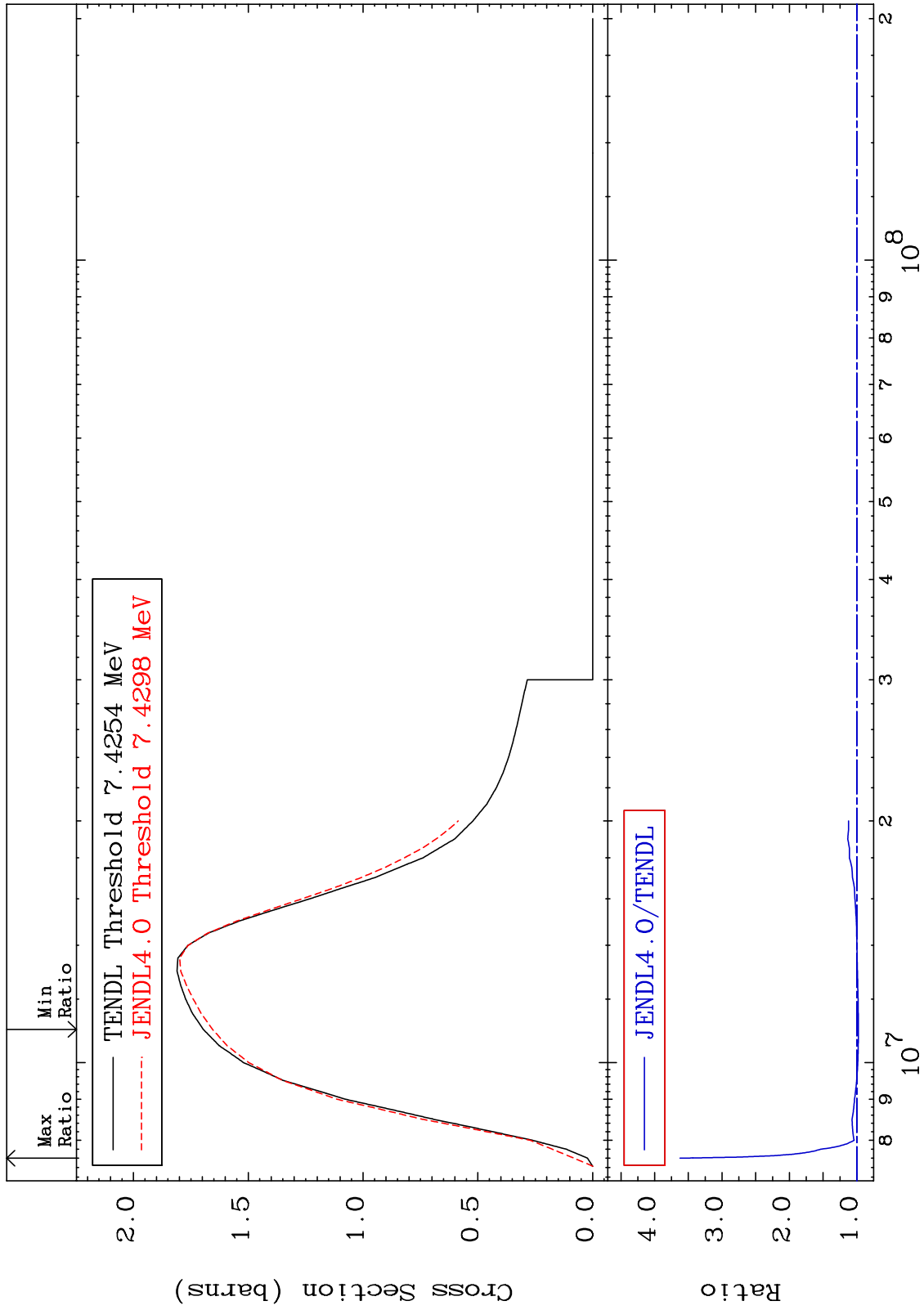


60-Nd-150

Incident Energy (eV)

3

MAT 6049 (n,2n) 60-Nd-150
Cross Section -2.384 To 262.4 %



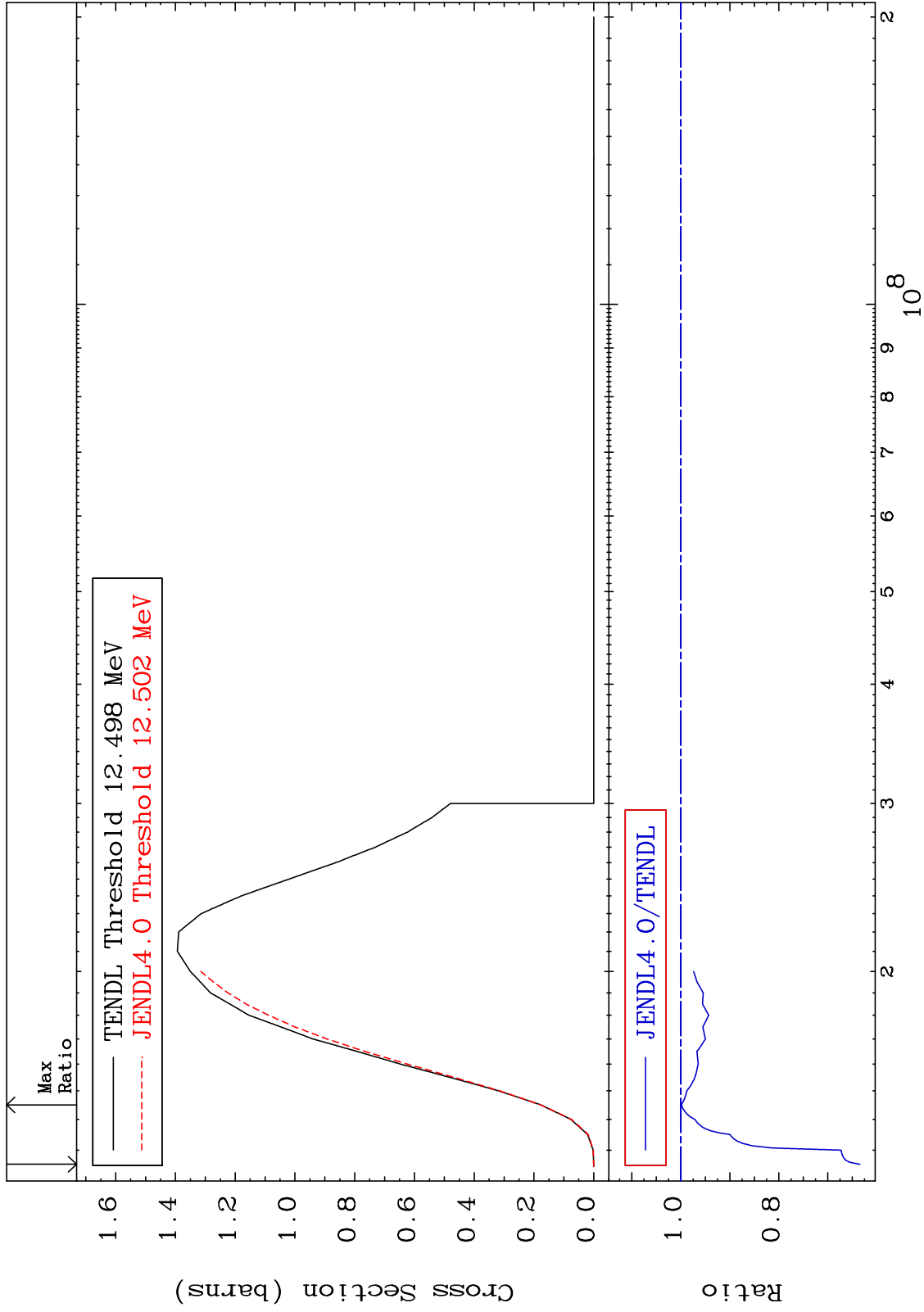
MAT 6049

(n, 3n)

60-Nd-150

Cross Section

-36.56 To -0.082%



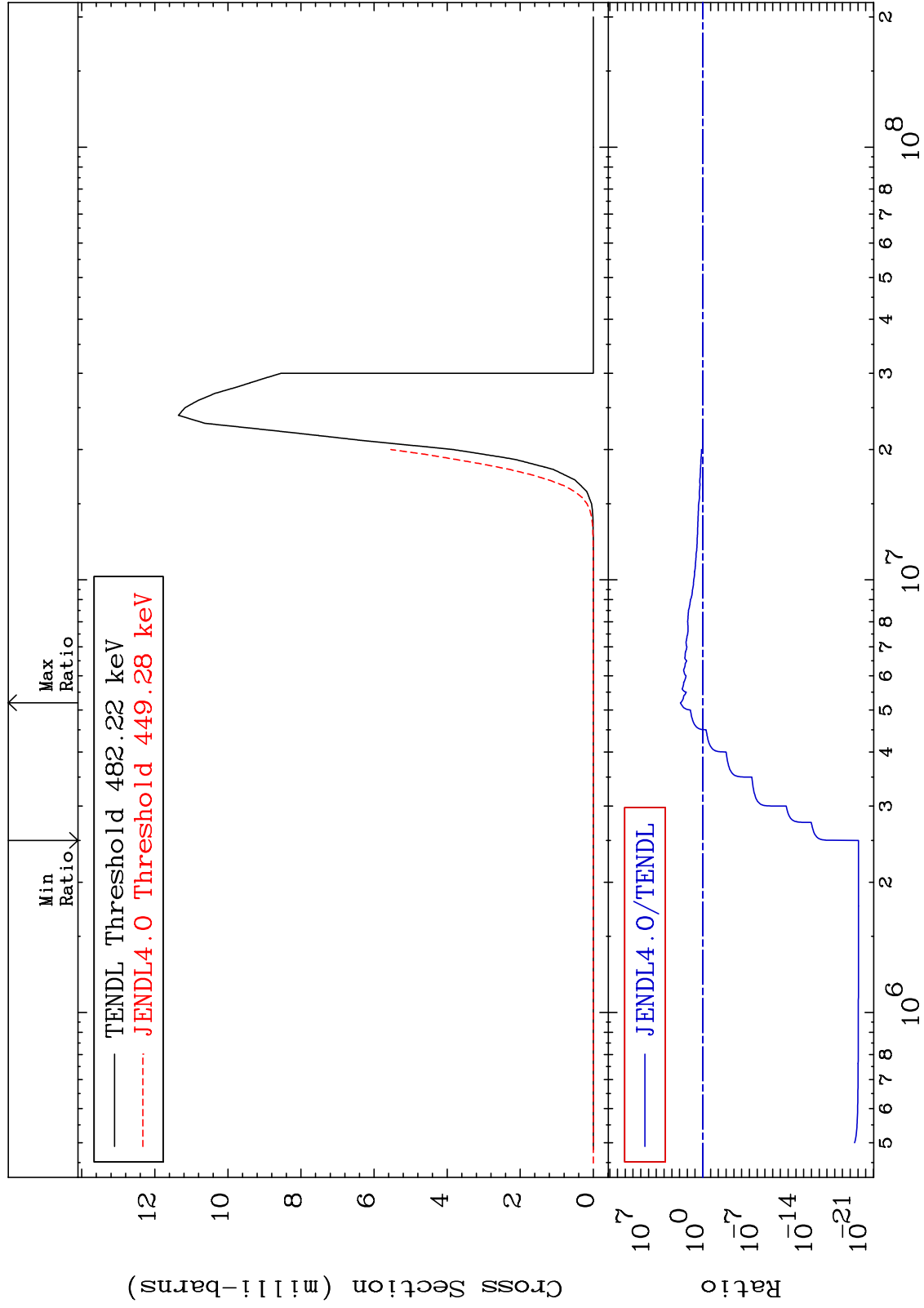
MAT 6049

(n, n') α

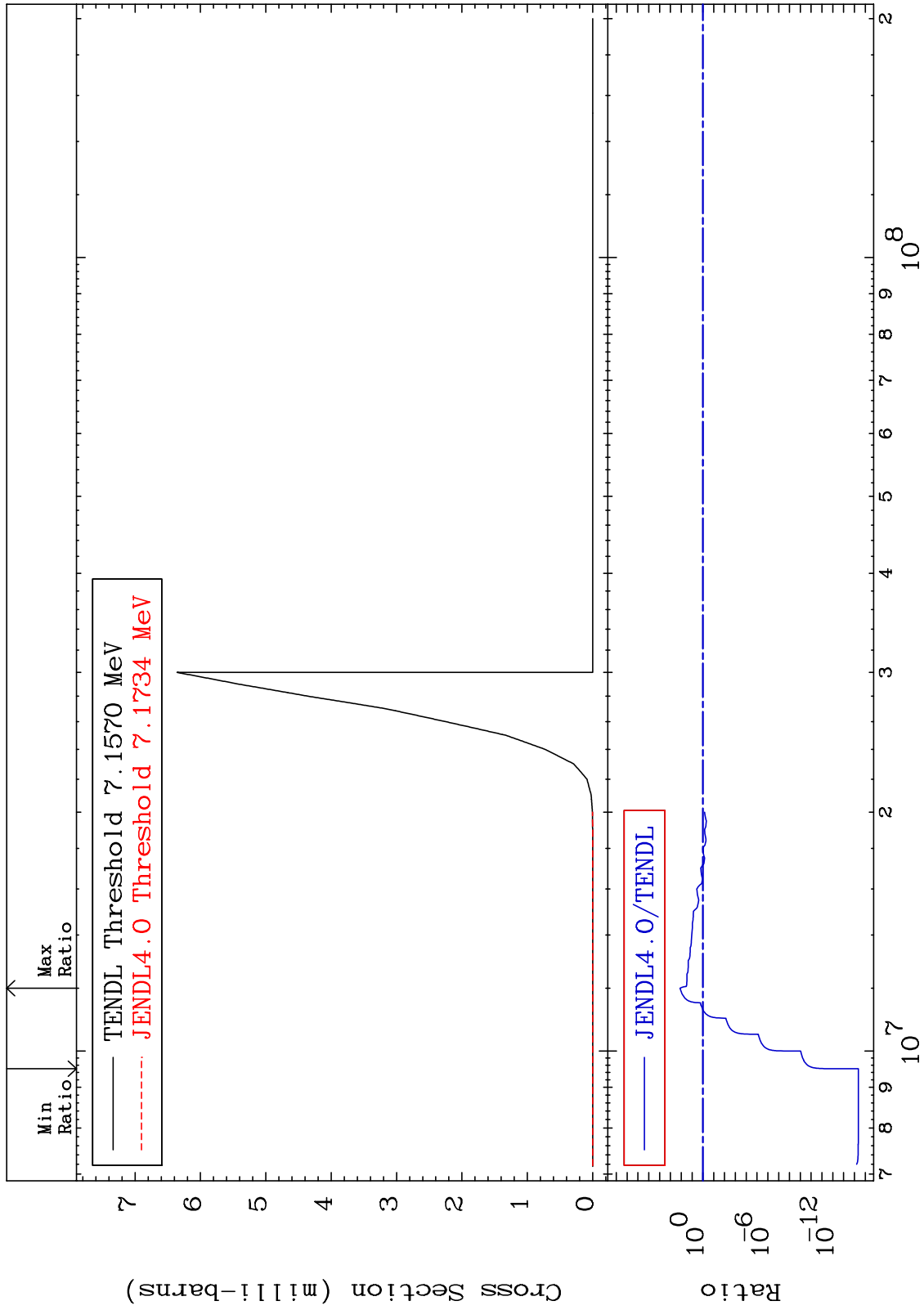
60-Nd-150

-100.0 To 9999. %

Cross Section



MAT 6049 (n,2n) α 60-Nd-150
Cross Section -100.0 To 9999. %



7 8 9 10⁷ 10⁸ 2

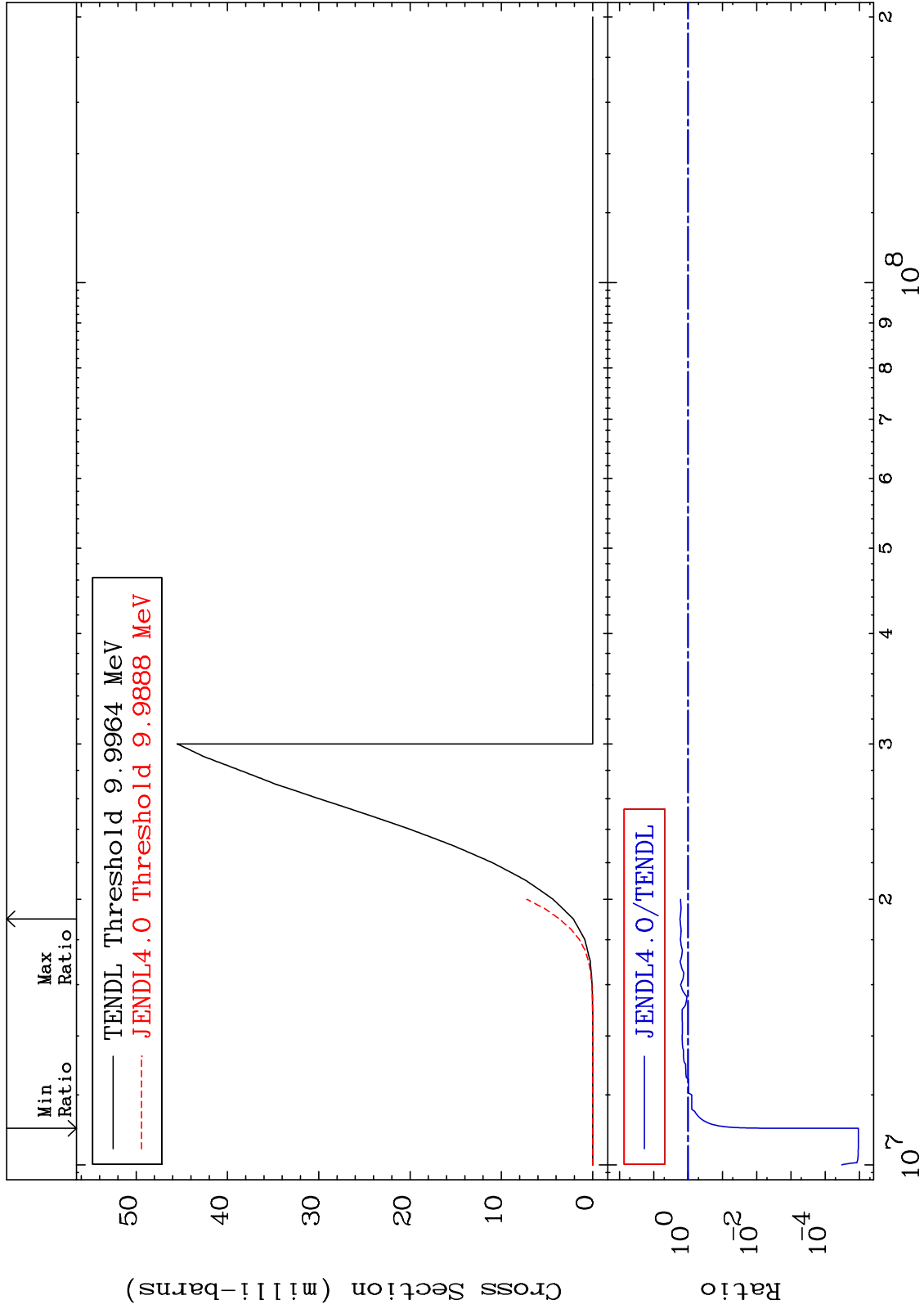
MAT 6049

(n,n') p

60-Nd-150

Cross Section

-100.0 To 72.32 %



Incident Energy (eV)

60-Nd-150

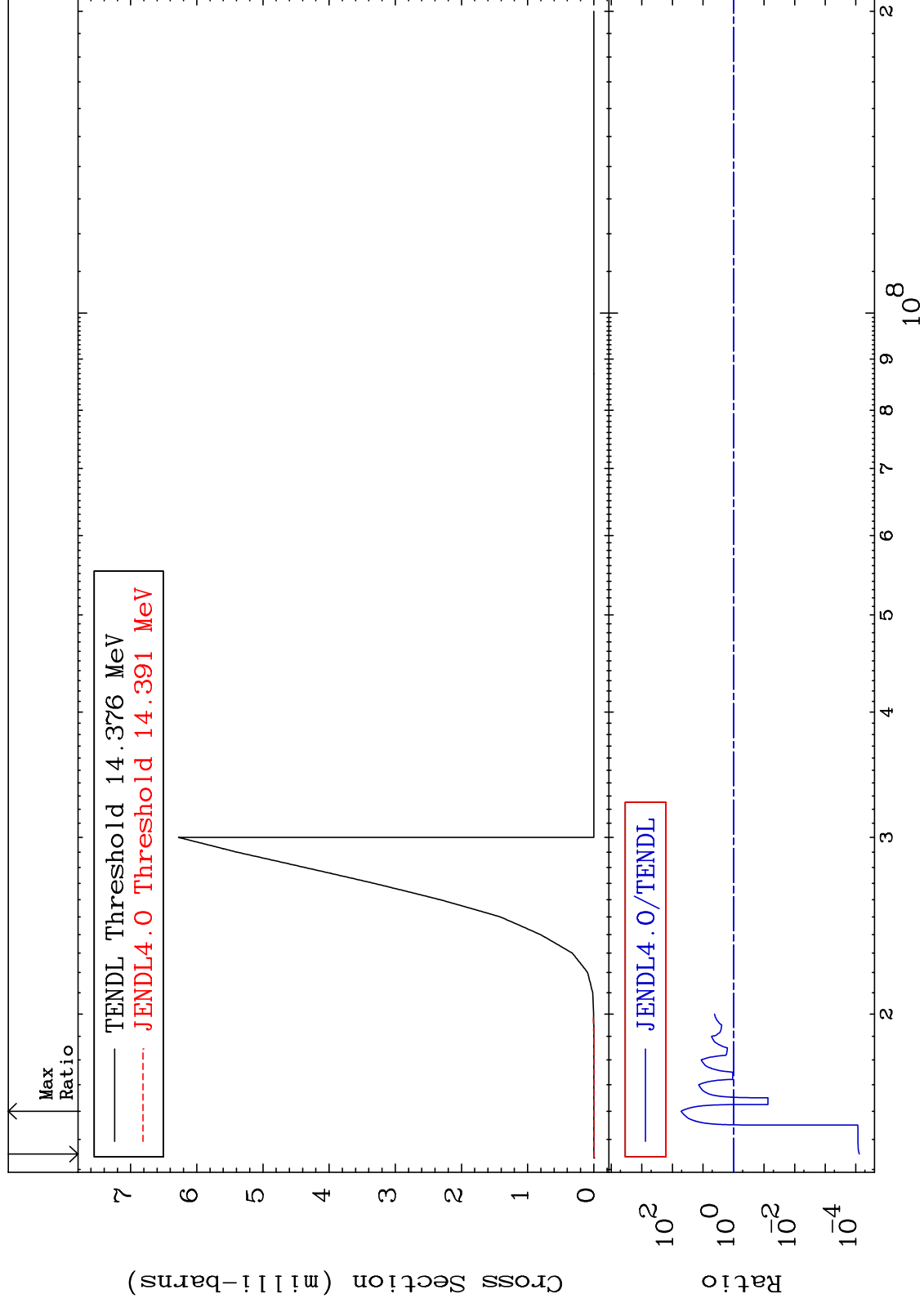
MAT 6049

(n, n') d

60-Nd-150

Cross Section

-99.99 To 5118. %



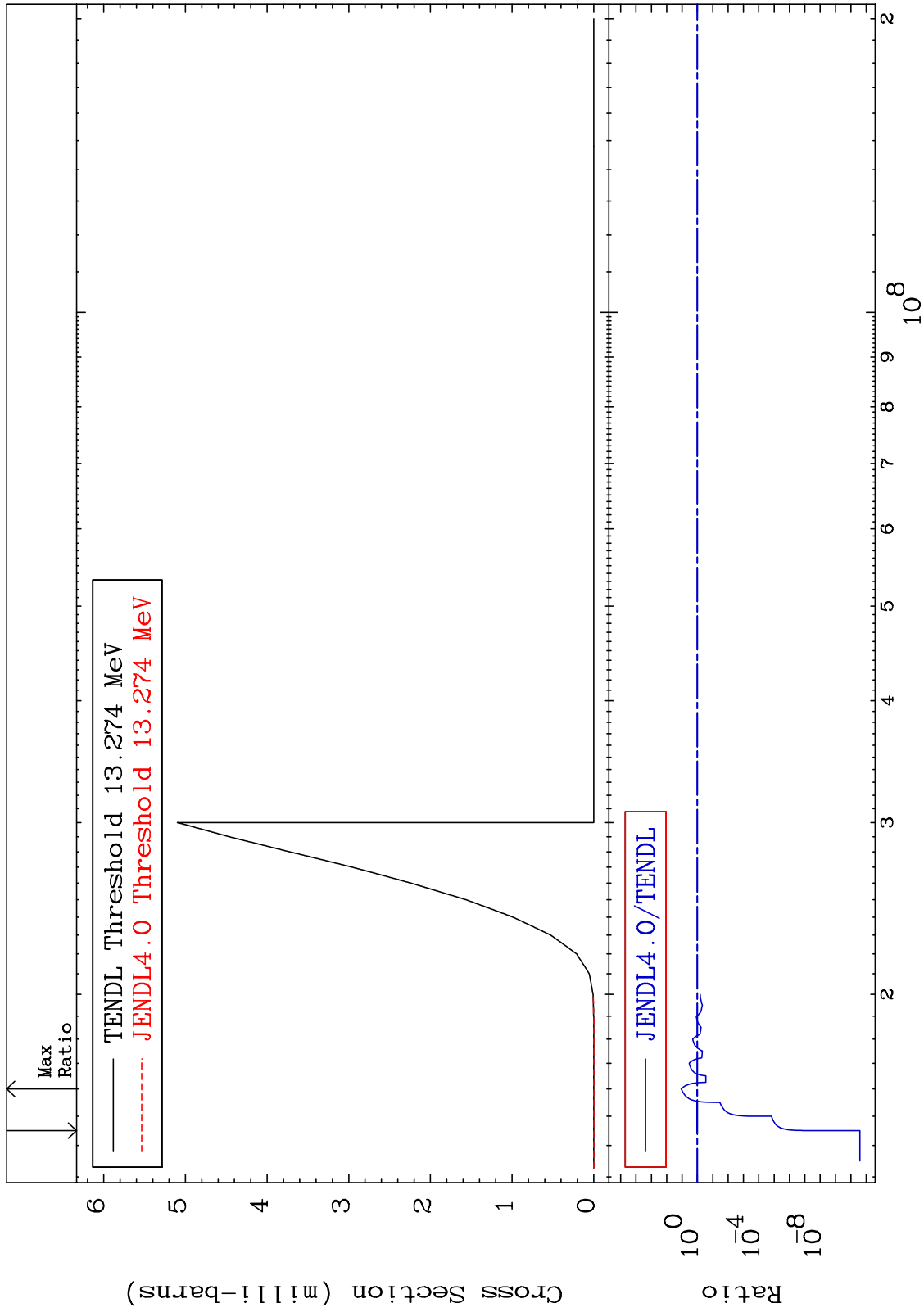
MAT 6049

(n,n') t

60-Nd-150

Cross Section

-100.0 To 1034. %

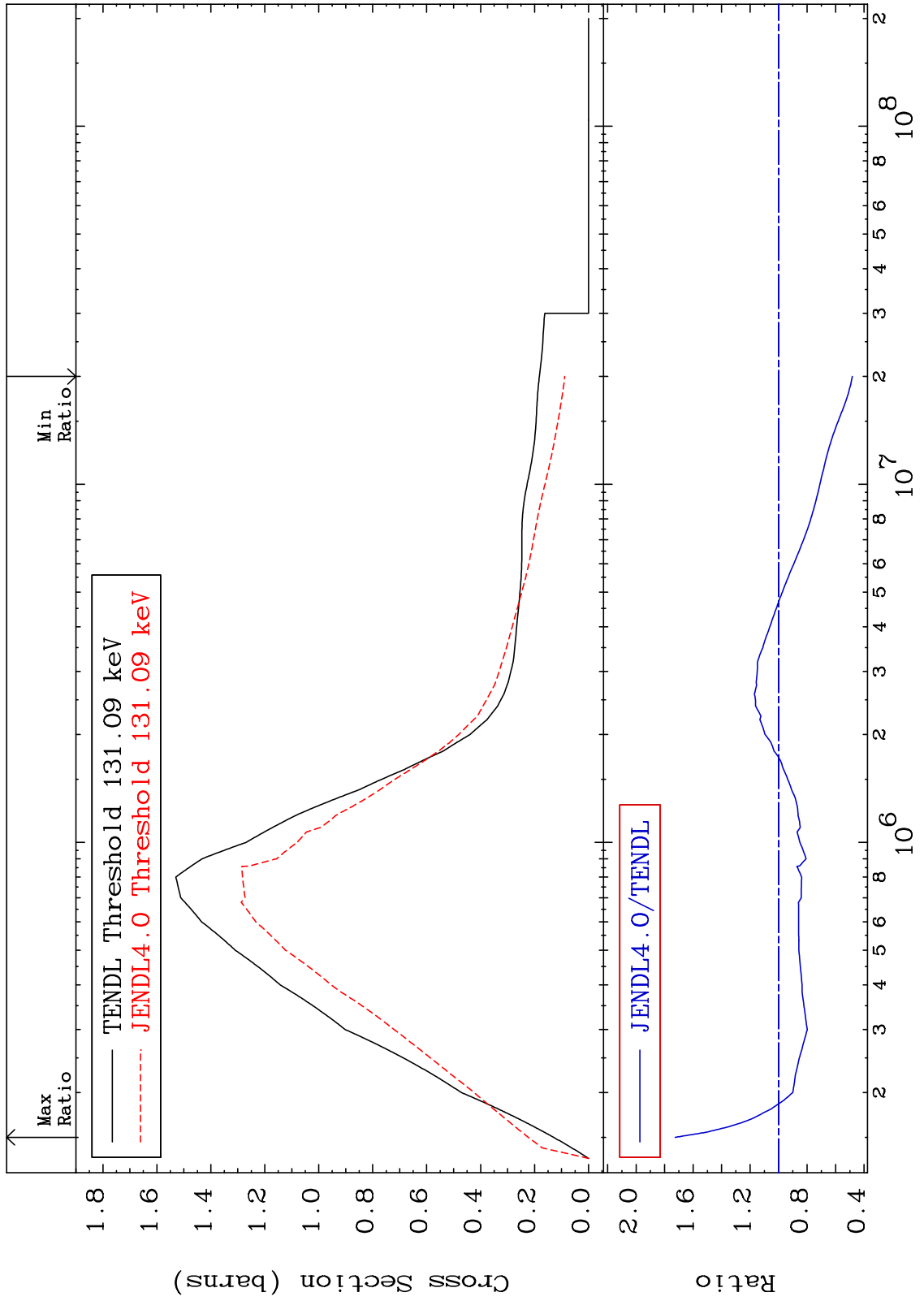


10

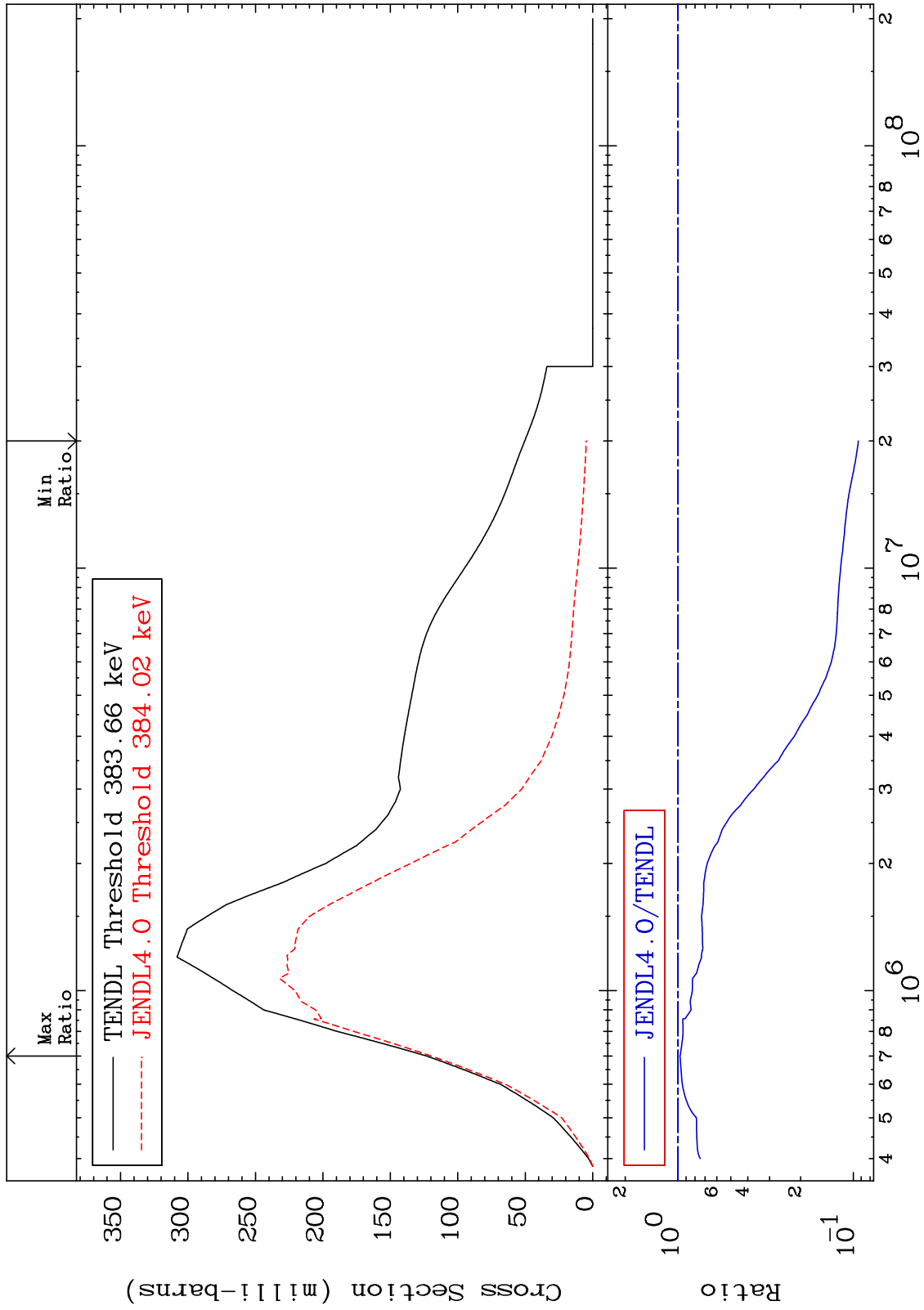
Incident Energy (eV)

60-Nd-150

MAT 6049 MT= 51 (n,n') Level 60-Nd-150
 Cross Section -51.77 To 72.53 %



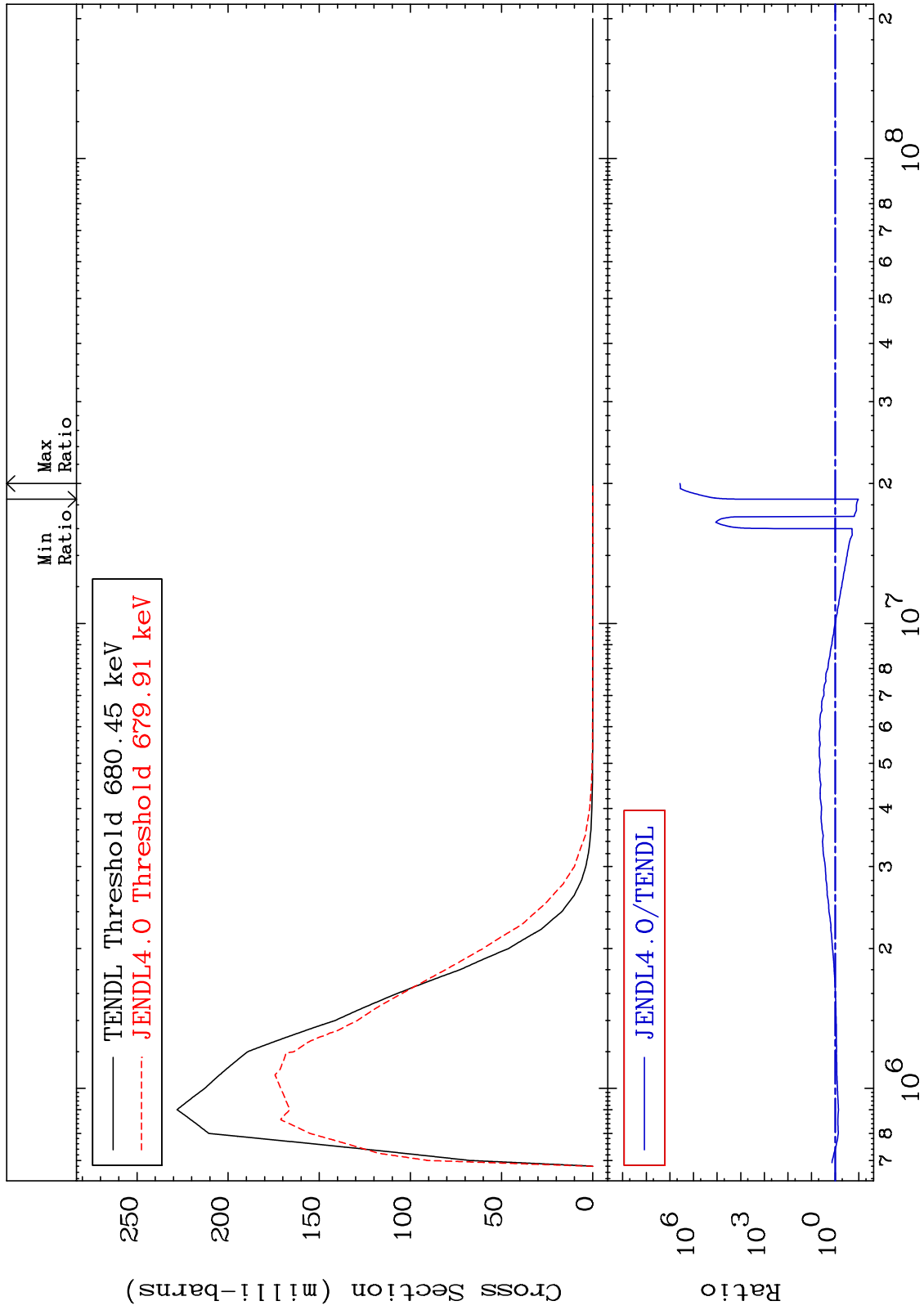
MAT 6049 MT= 52 (n,n') Level Cross Section 60-Nd-150
 -90.66 To -2.643%



MAT 6049

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

60-Nd-150
-89.63 To 9999. %

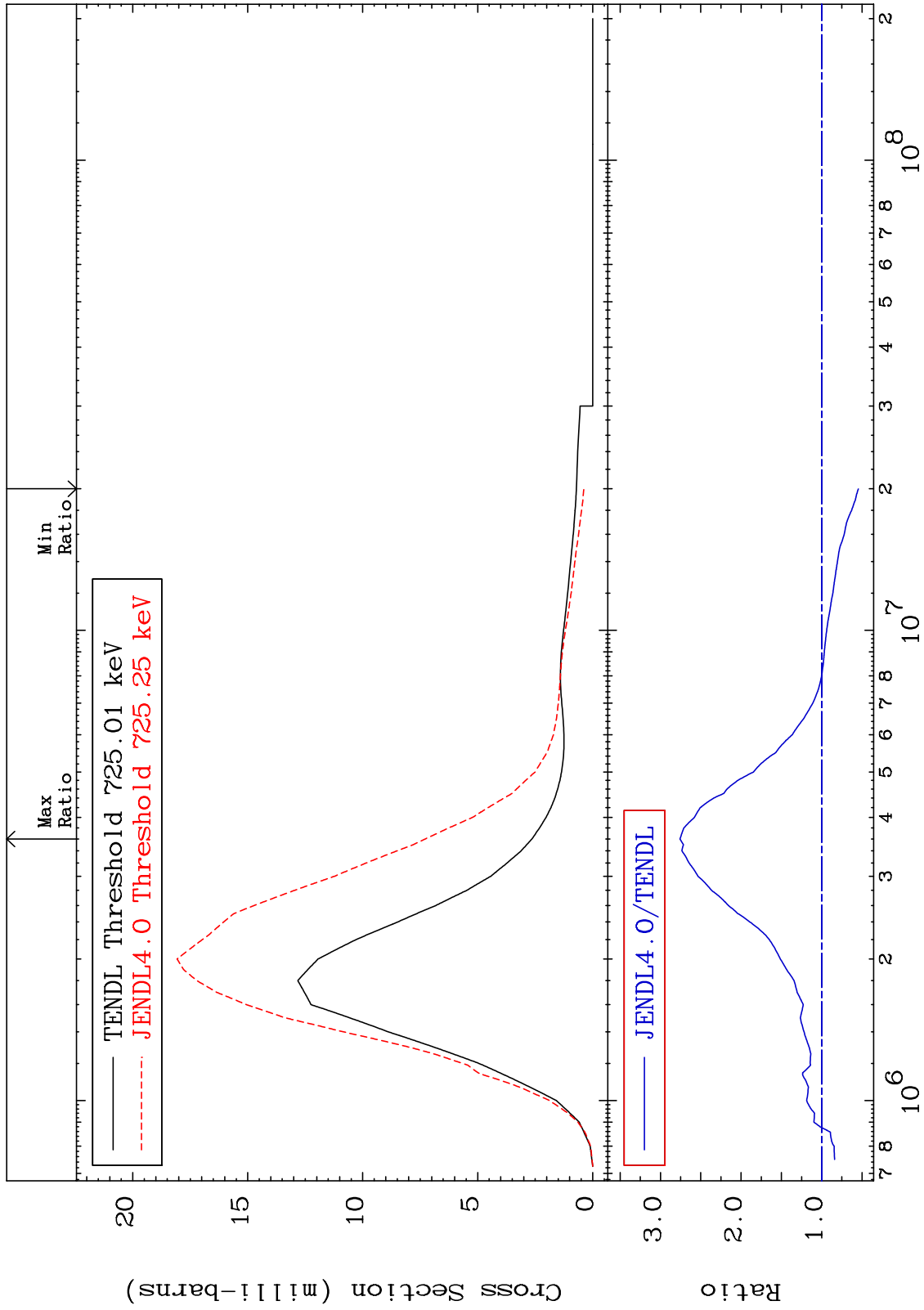


13

Incident Energy (eV)

60-Nd-150

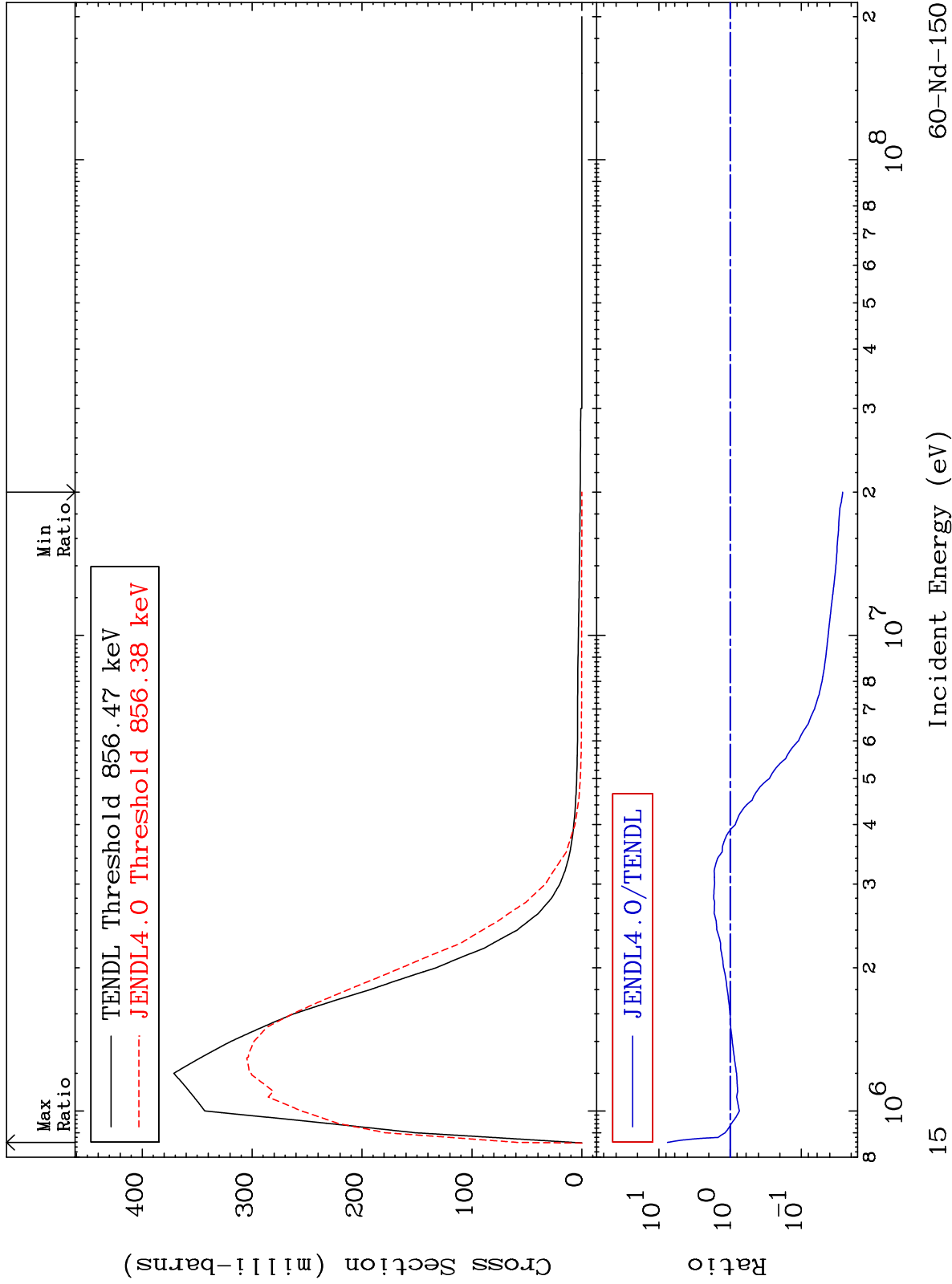
MAT 6049 MT= 54 (n,n') Level 60-Nd-150
Cross Section -45.49 To 175.7 %



MAT 6049

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

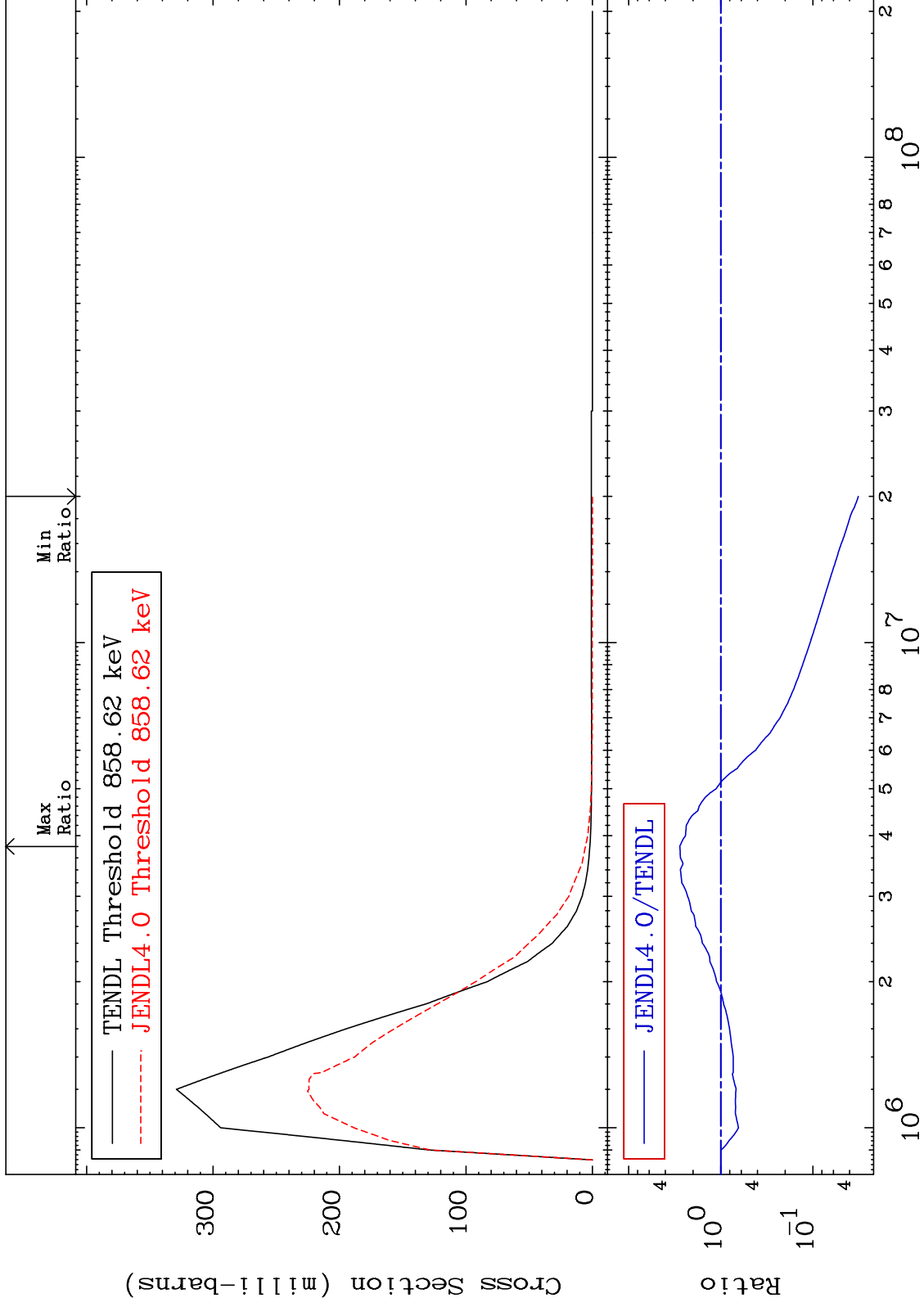
60-Nd-150
-97.37 To 658.0 %



MAT 6049

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

60-Nd-150
-96.79 To 178.6 %



16

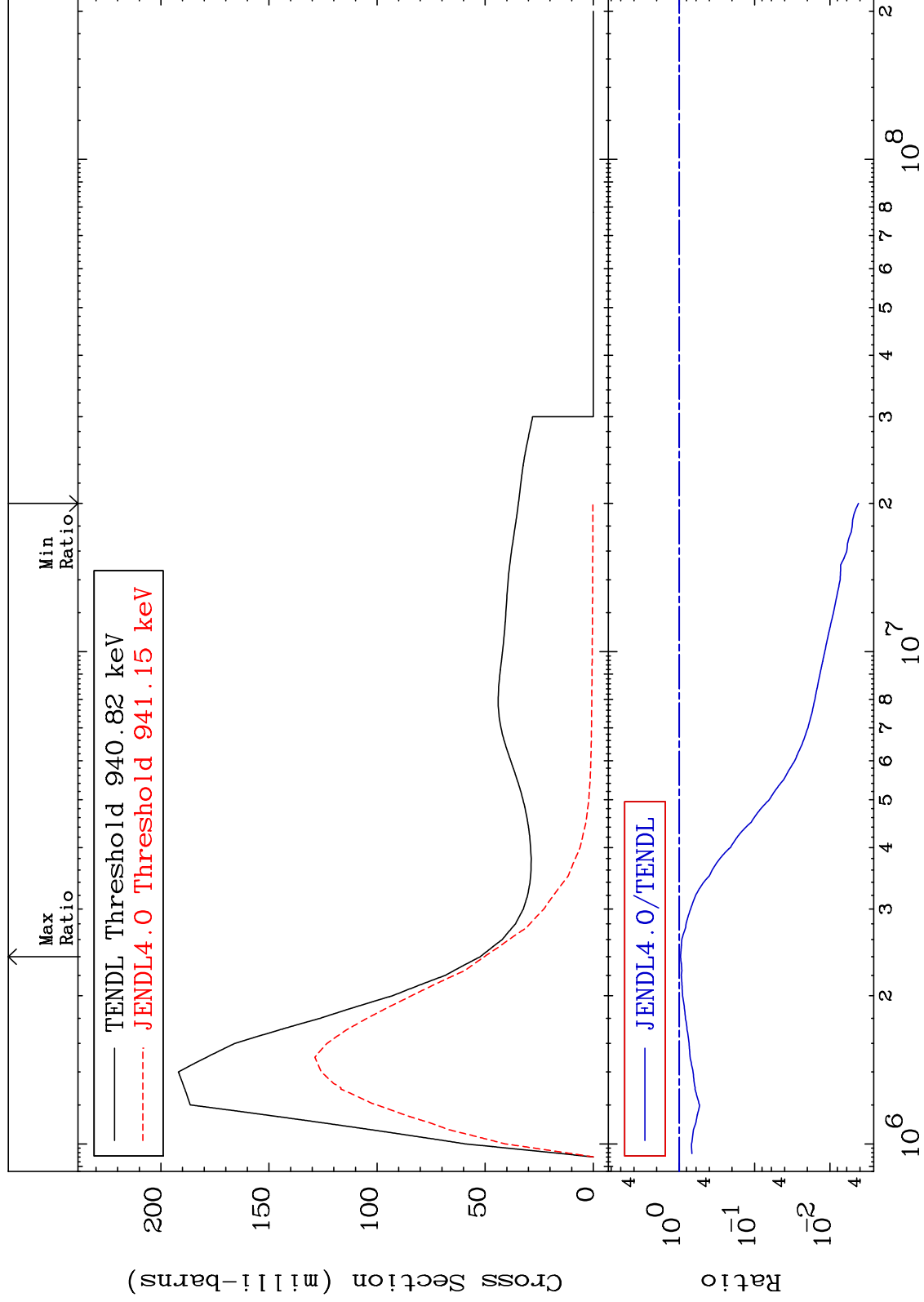
Incident Energy (eV)

60-Nd-150

MAT 6049

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

60-Nd-150
-99.58 To -3.519%



17

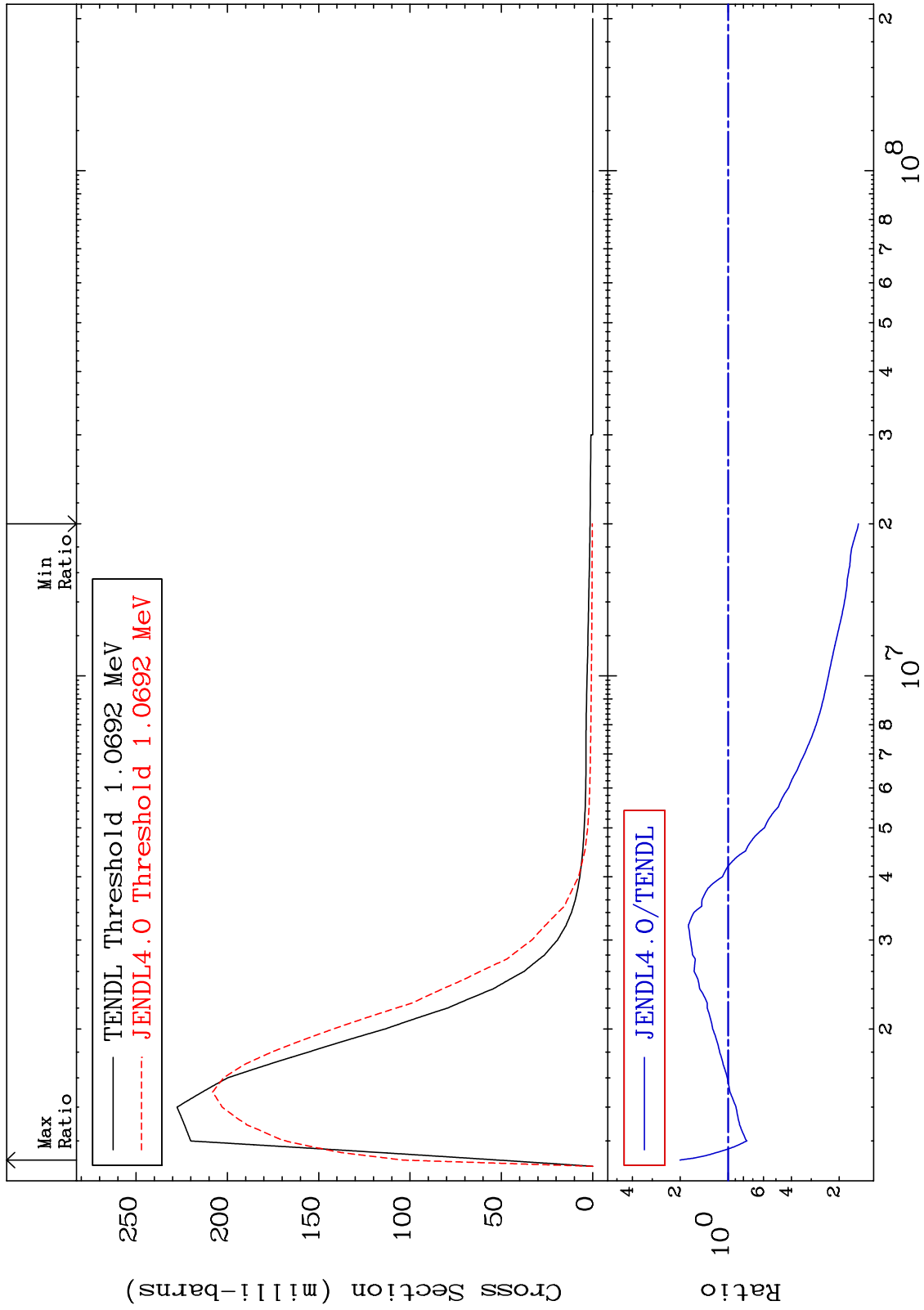
Incident Energy (eV)

60-Nd-150

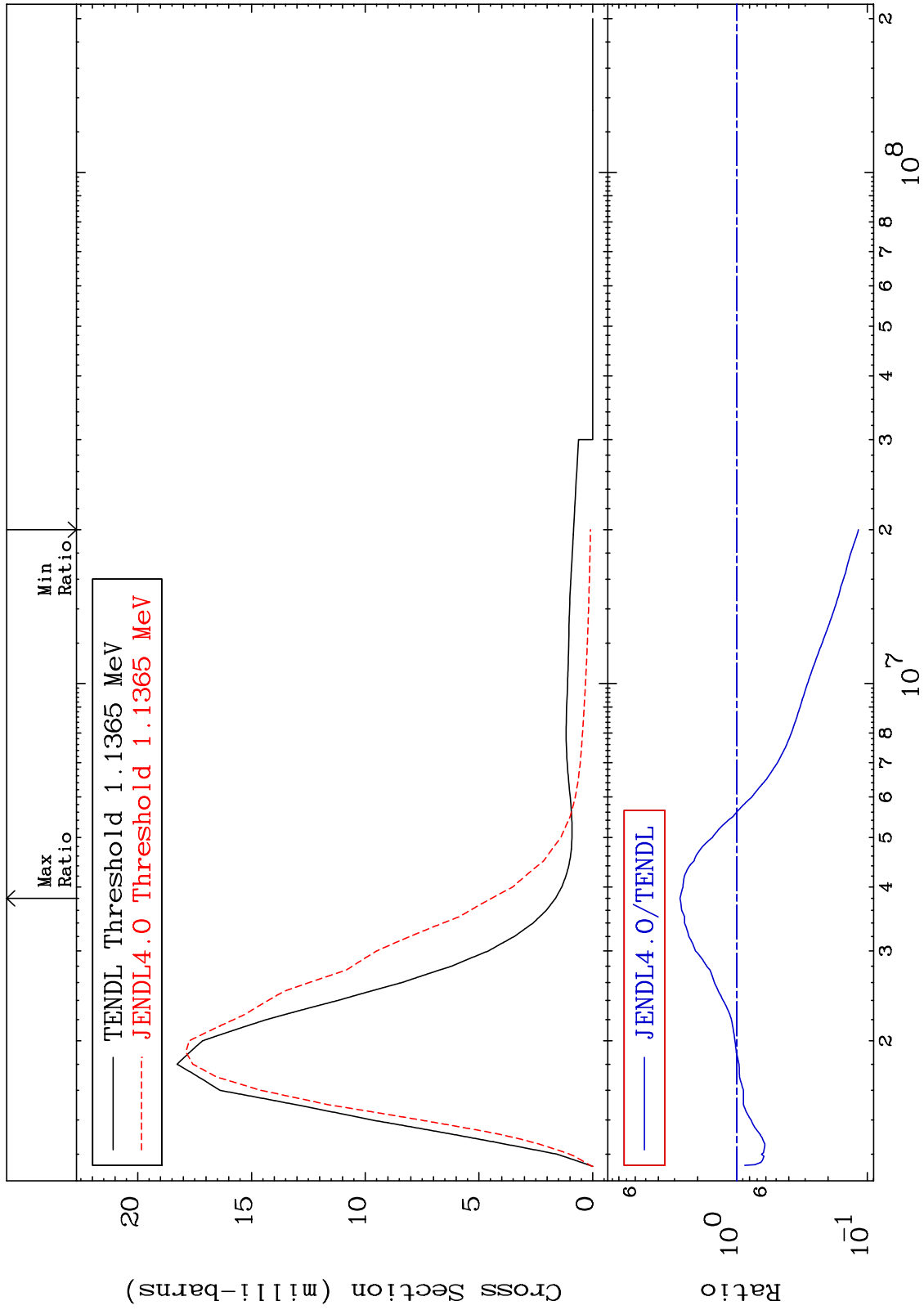
MAT 6049

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

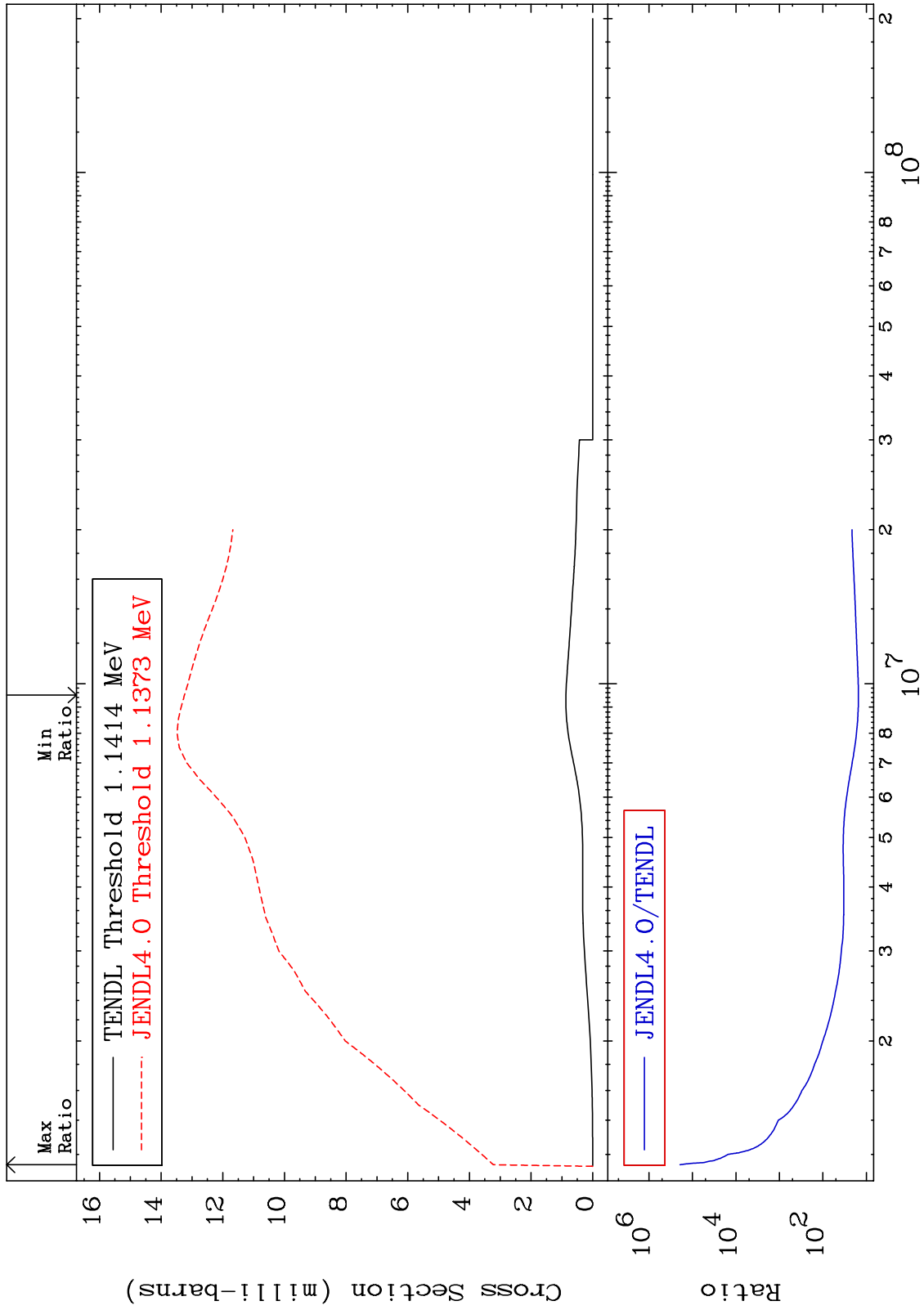
60-Nd-150
-84.84 To 100.6 %



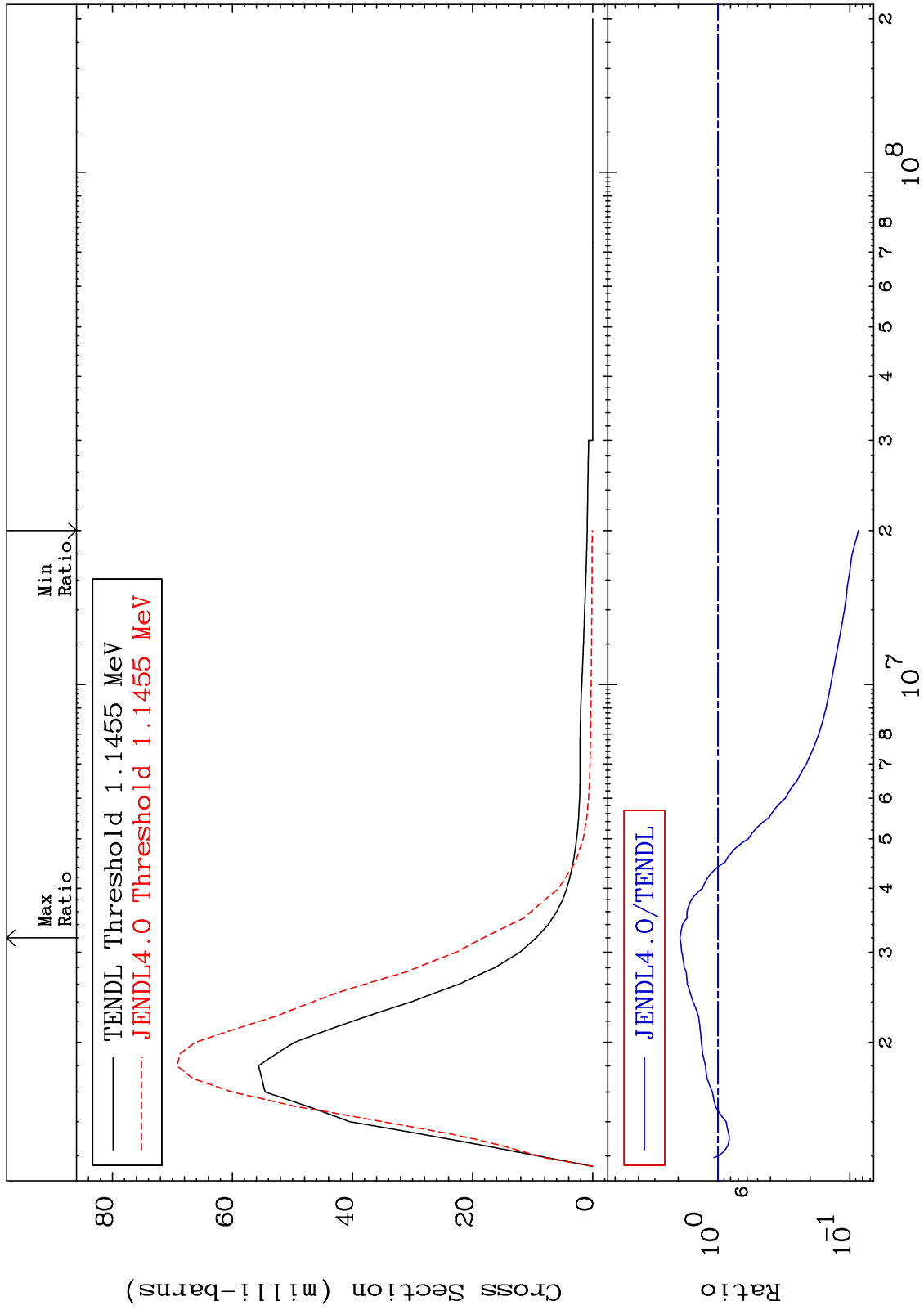
MAT 6049 MT= 59 (n, n') Level Cross Section 60-Nd-150
 -88.29 To 172.5 %



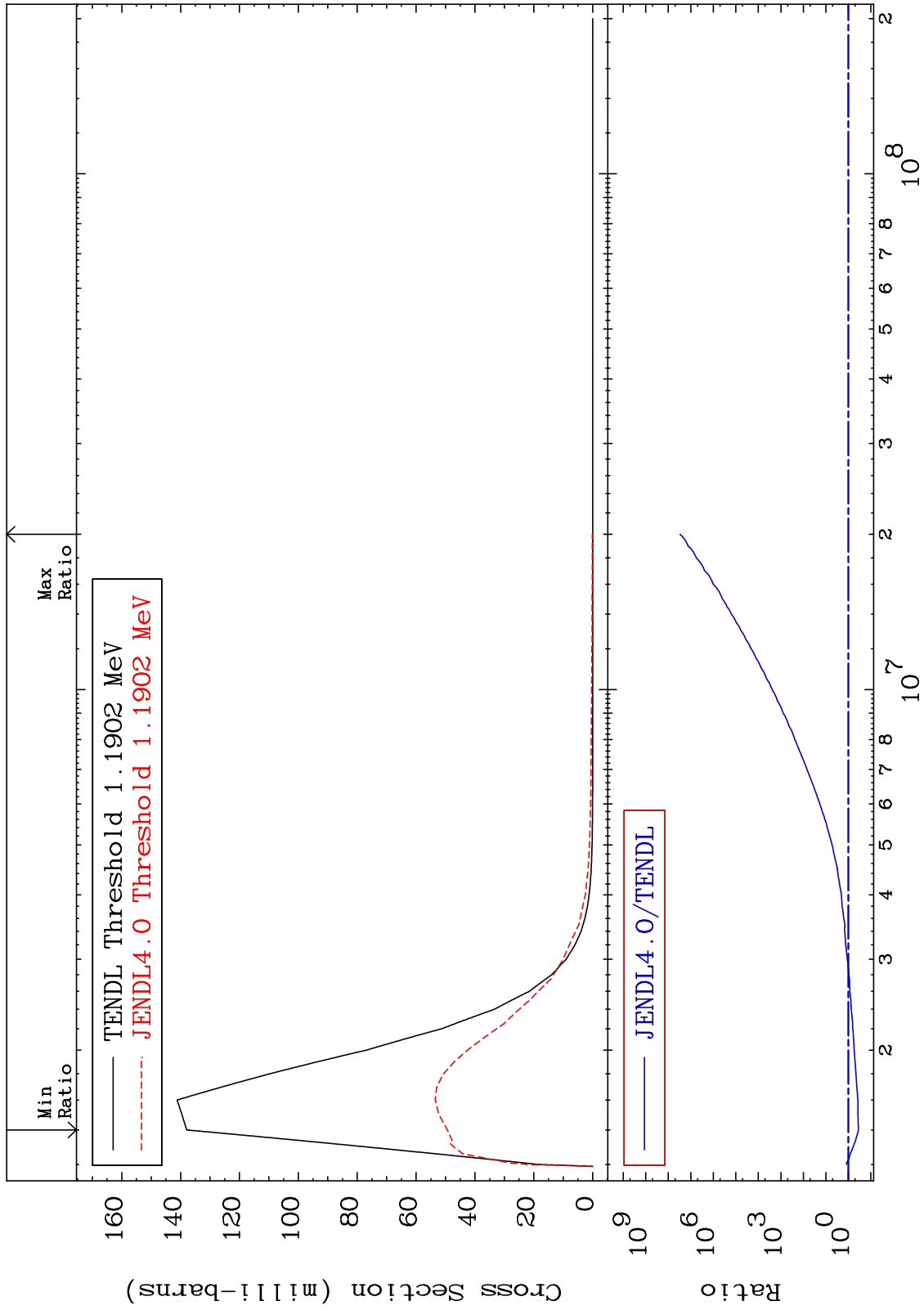
MAT 6049 MT= 60 (n,n') Level 60-Nd-150
 Cross Section 1427. To 9999. %



MAT 6049 MT= 61 (n, n') Level
 Cross Section 60-Nd-150
 -91.40 To 93.64 %

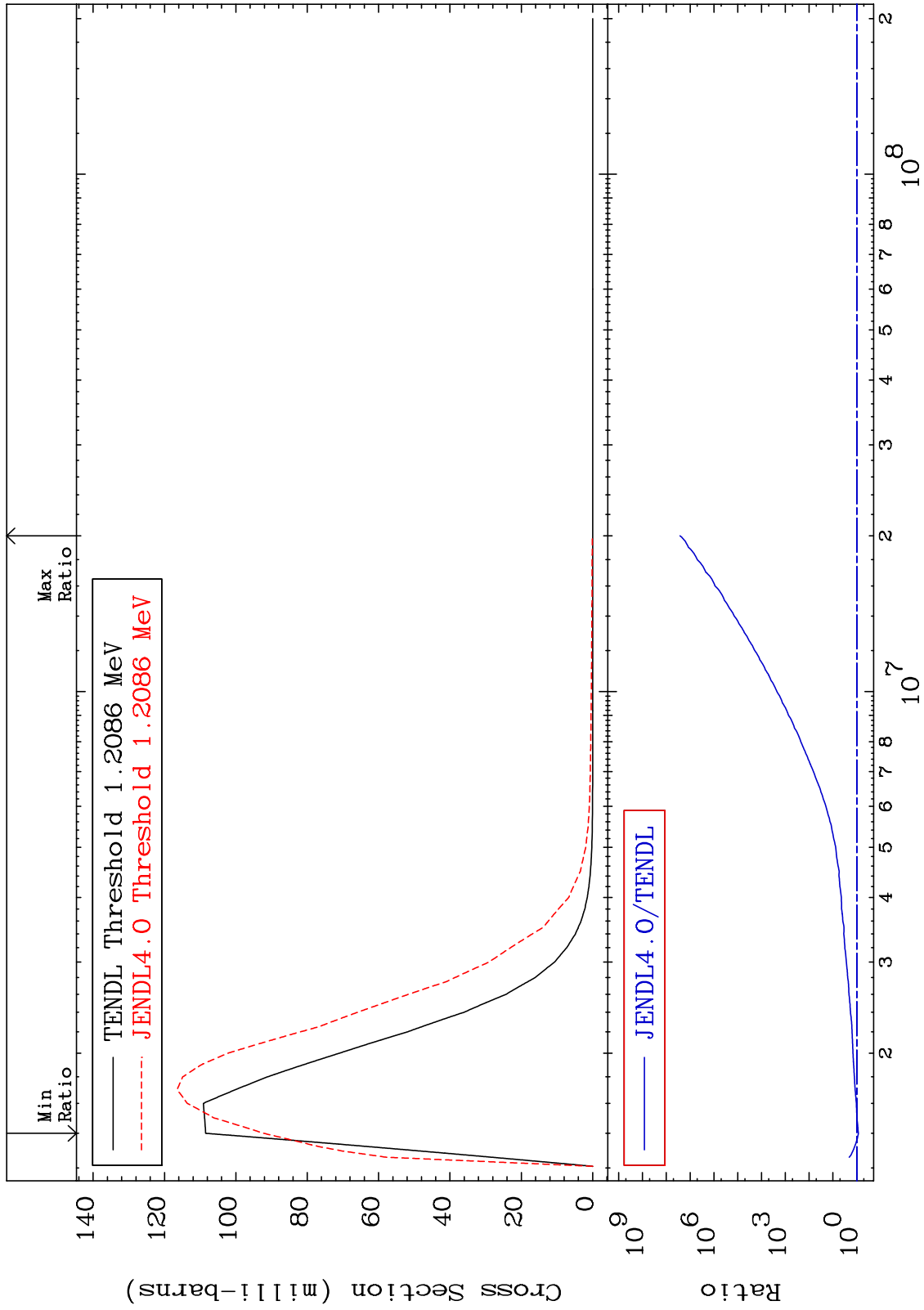


MAT 6049 MT= 62 (n, n') Level
 Cross Section 60-Nd-150
 -64.20 To 9999. %



60-Nd-150

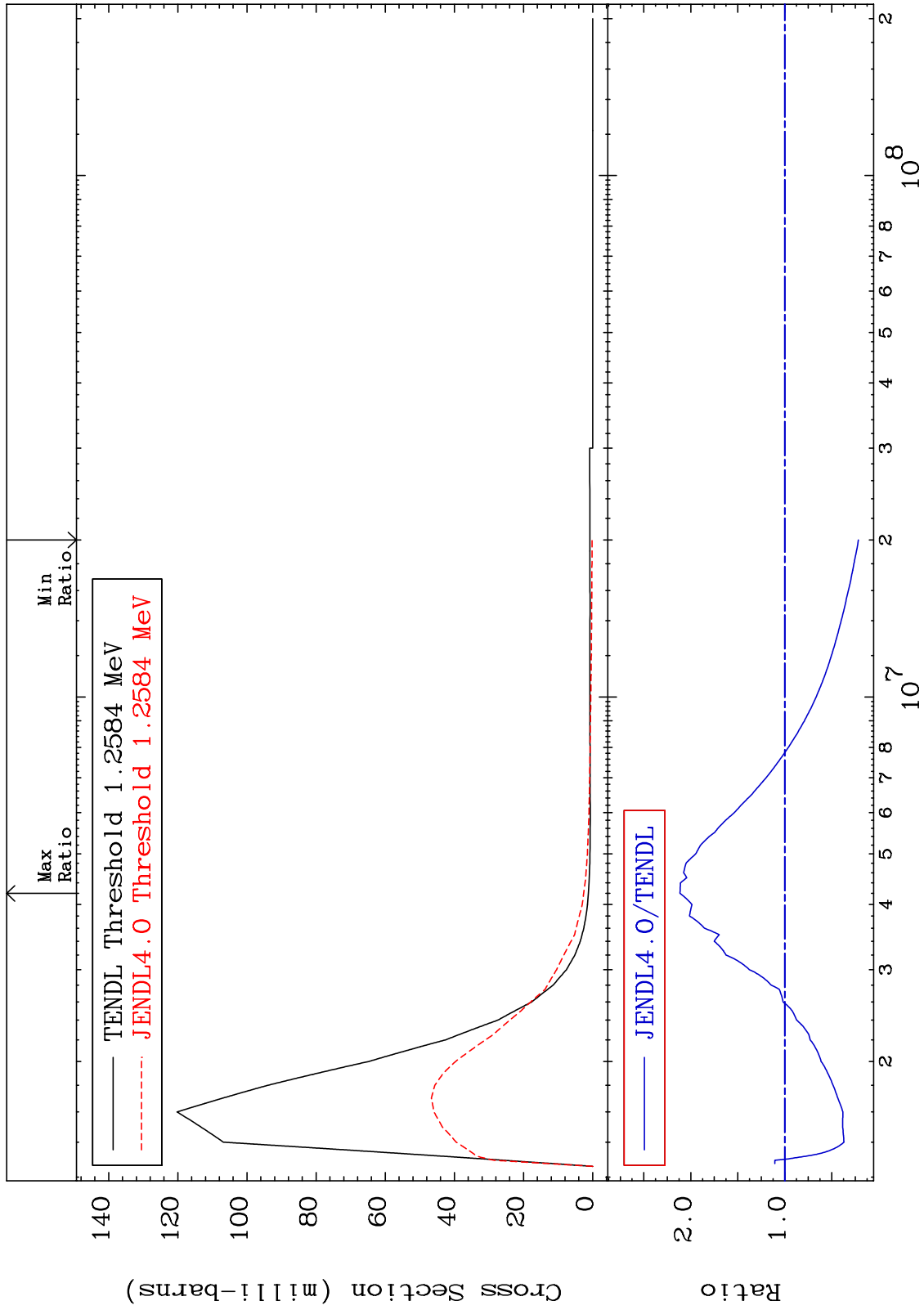
MAT 6049 MT= 63 (n,n') Level 60-Nd-150
 Cross Section -14.99 To 9999. %



MAT 6049

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

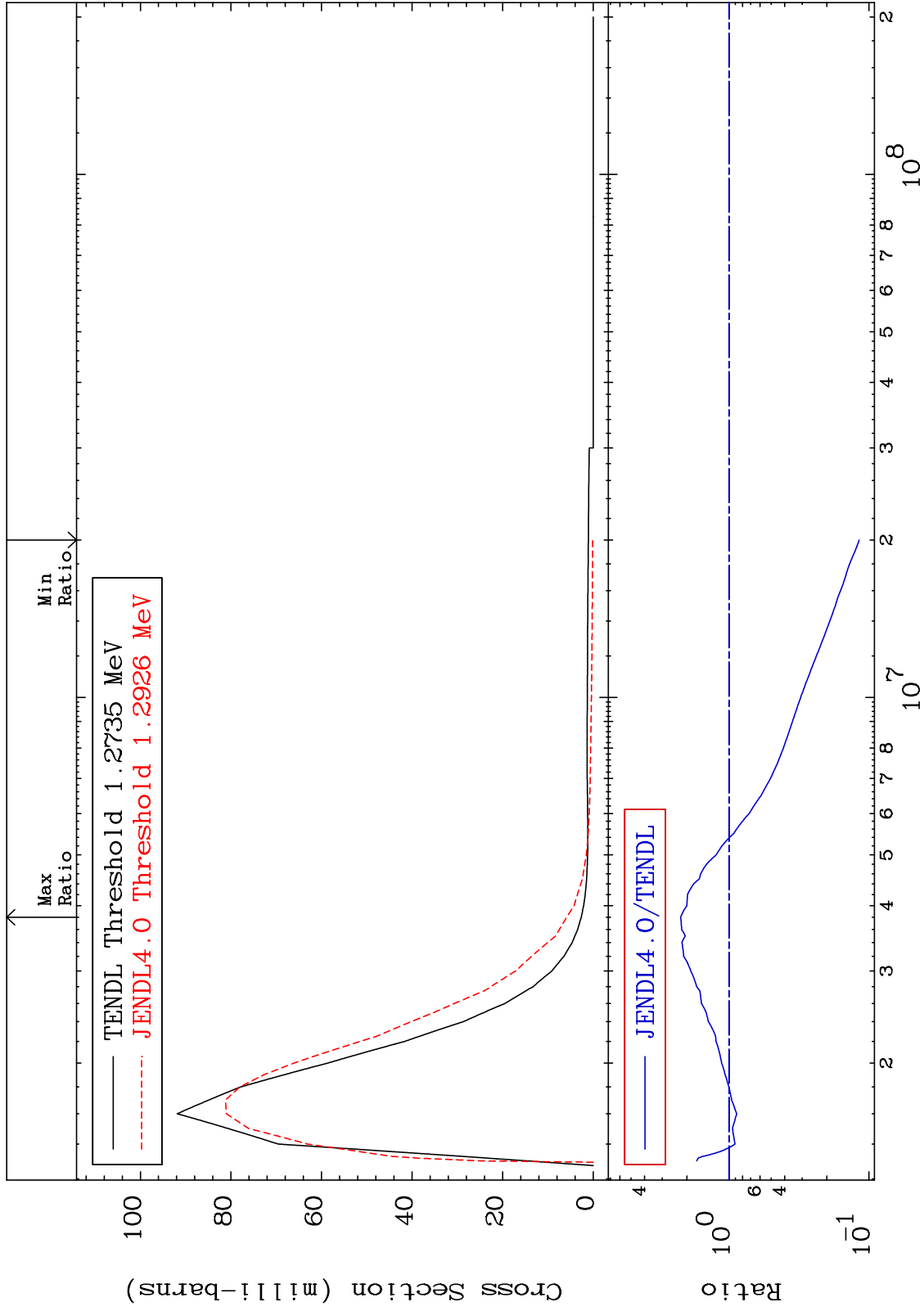
60-Nd-150
-78.37 To 111.5 %



MAT 6049

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

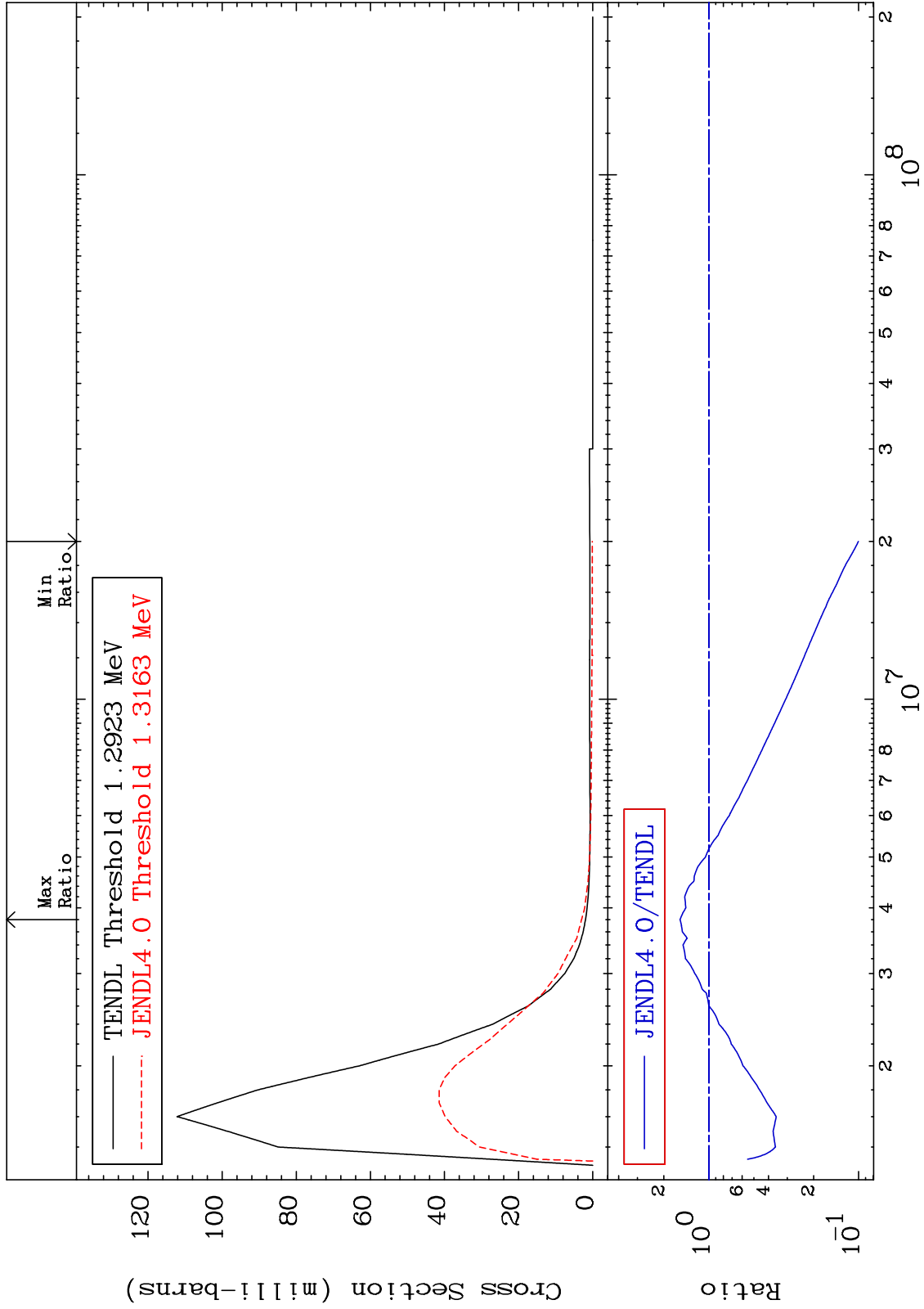
60-Nd-150
-88.24 To 121.3 %



MAT 6049

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

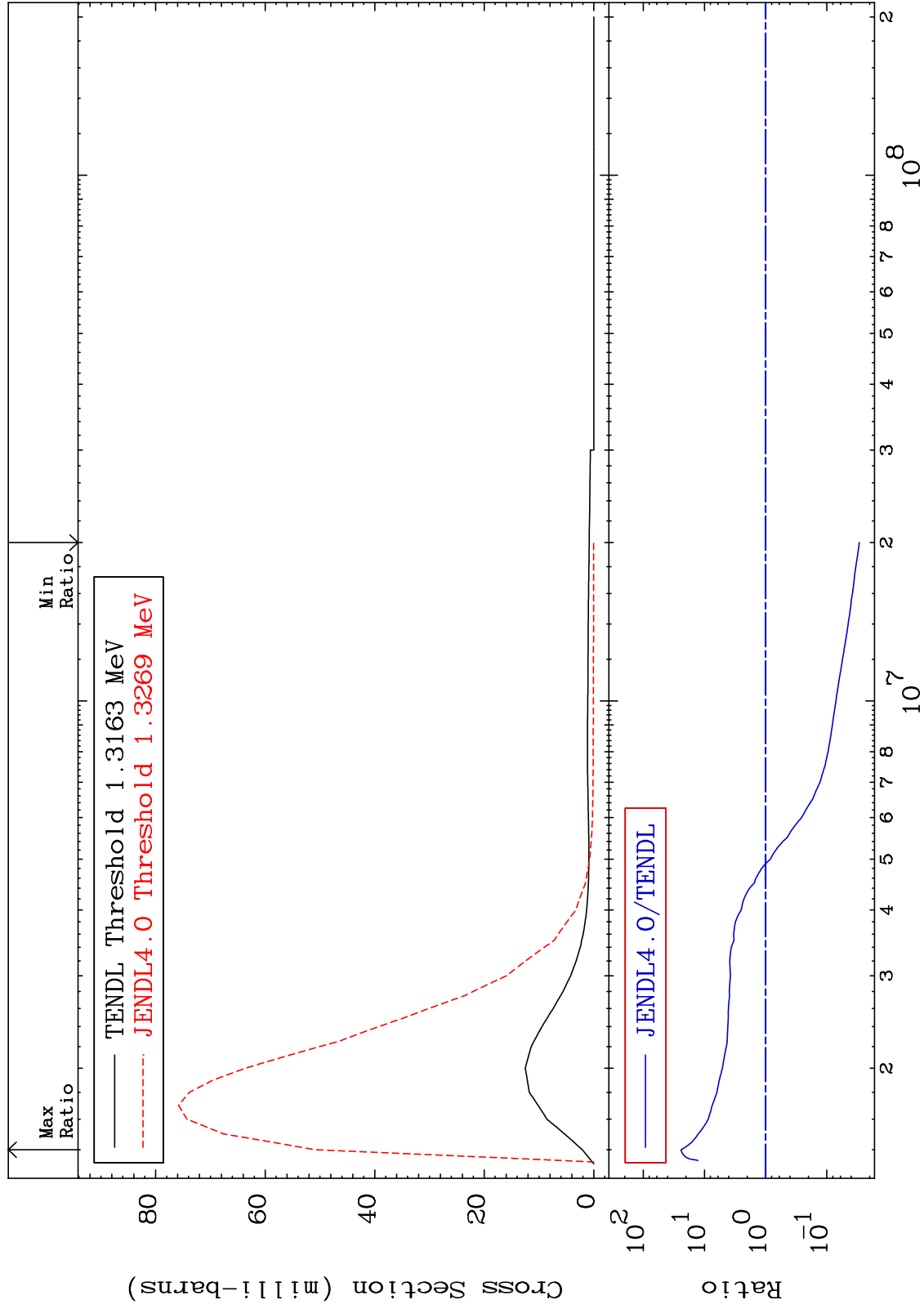
60-Nd-150
-89.97 To 55.90 %



MAT 6049

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

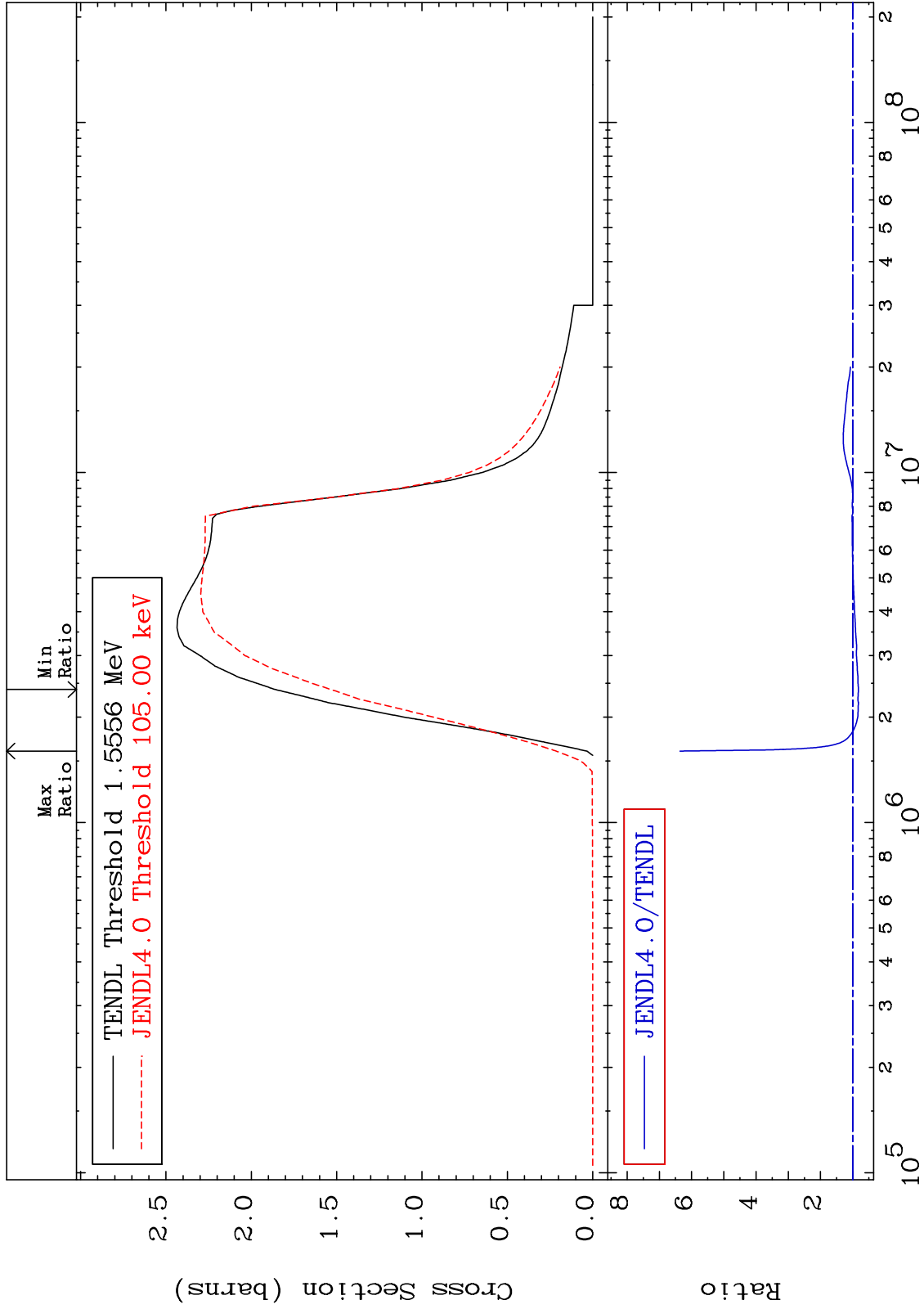
60-Nd-150
-97.05 To 2311. %



MAT 6049

(n, n') Continuum
Cross Section

60-Nd-150
-17.58 To 535.9 %



28

Incident Energy (eV)

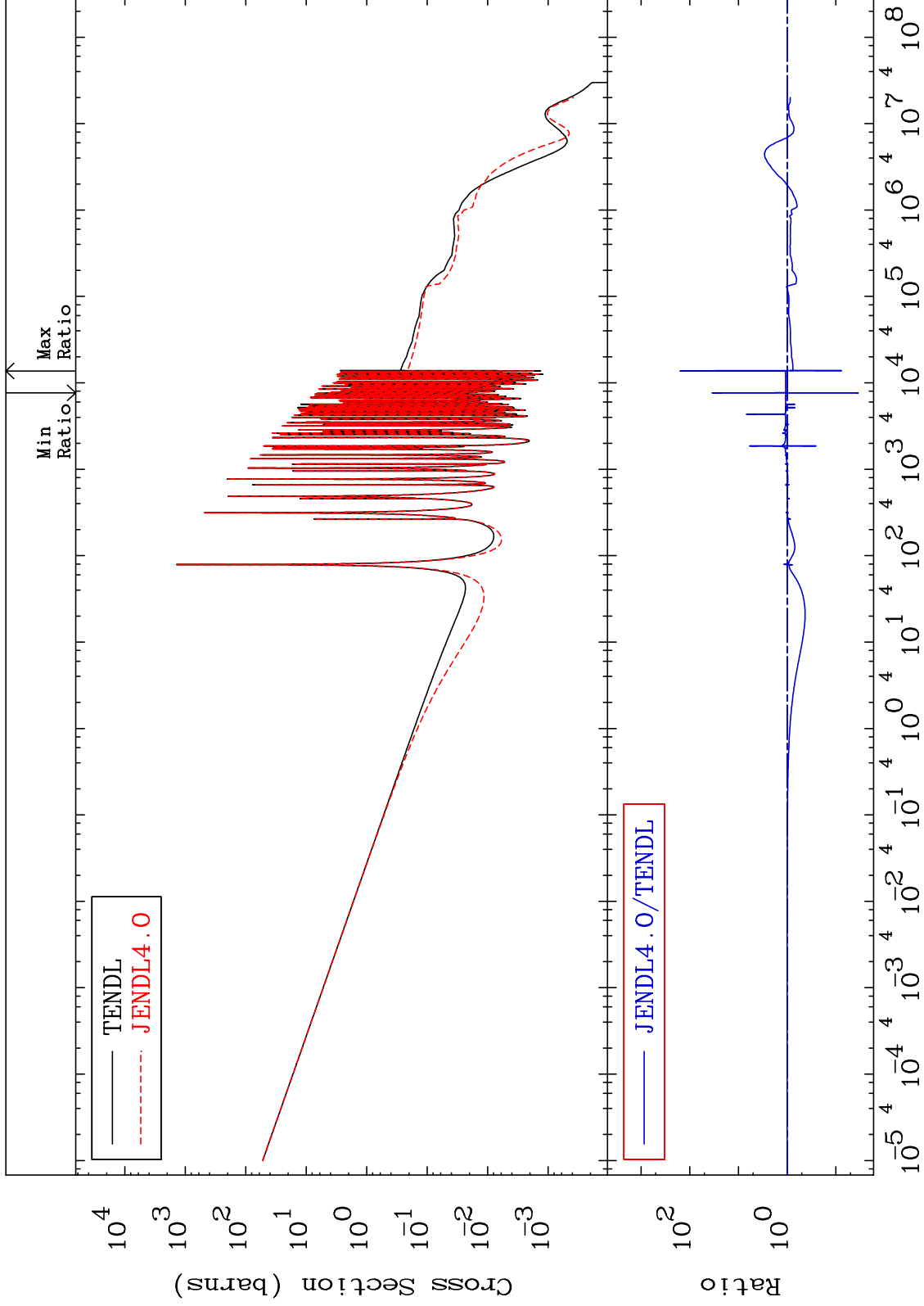
60-Nd-150

MAT 6049

(n, γ)

60-Nd-150
-96.55 To 9999. %

Cross Section



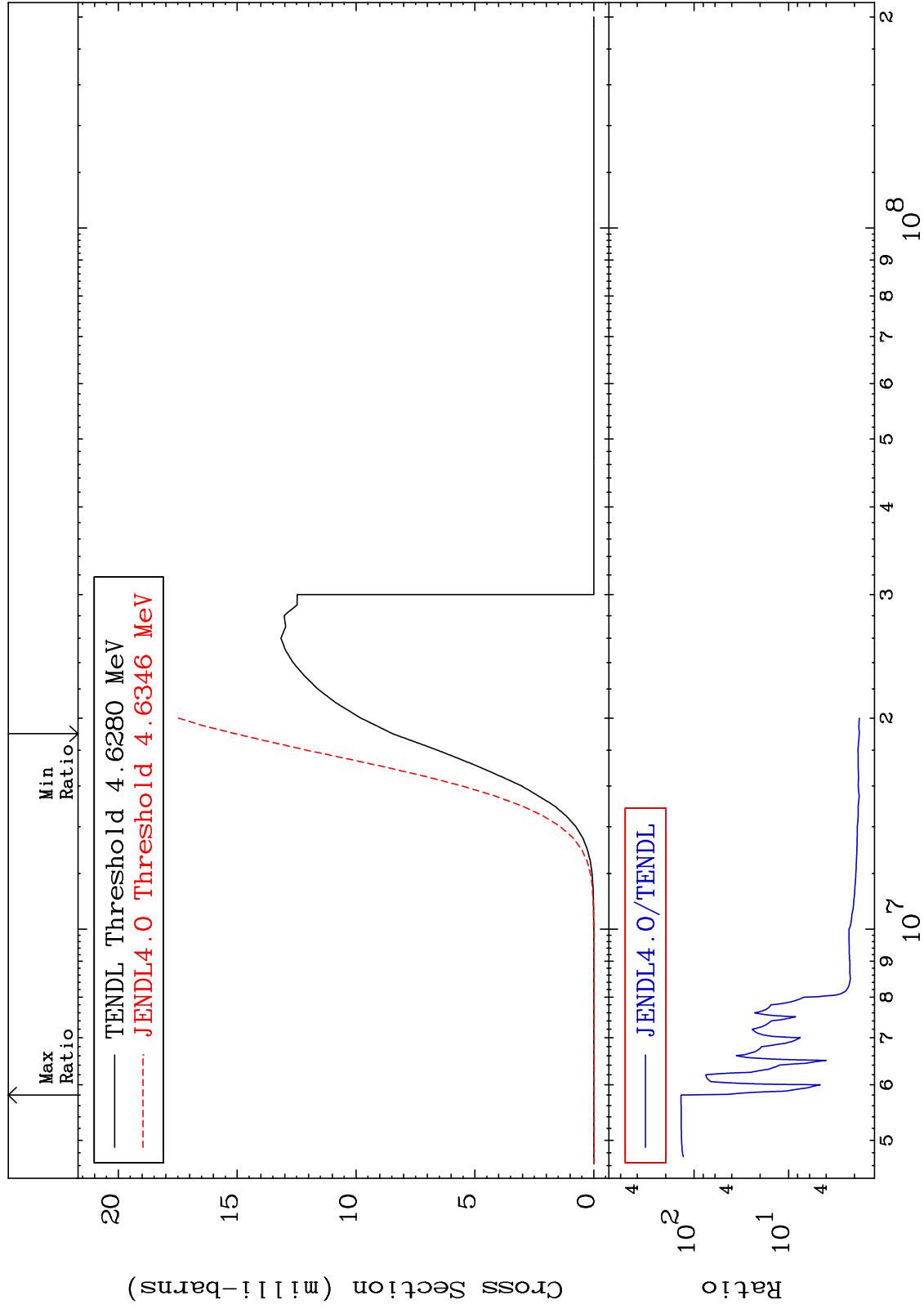
MAT 6049

(n,p)

60-Nd-150

Cross Section

78.05 To 9999. %



30

Incident Energy (eV)

60-Nd-150

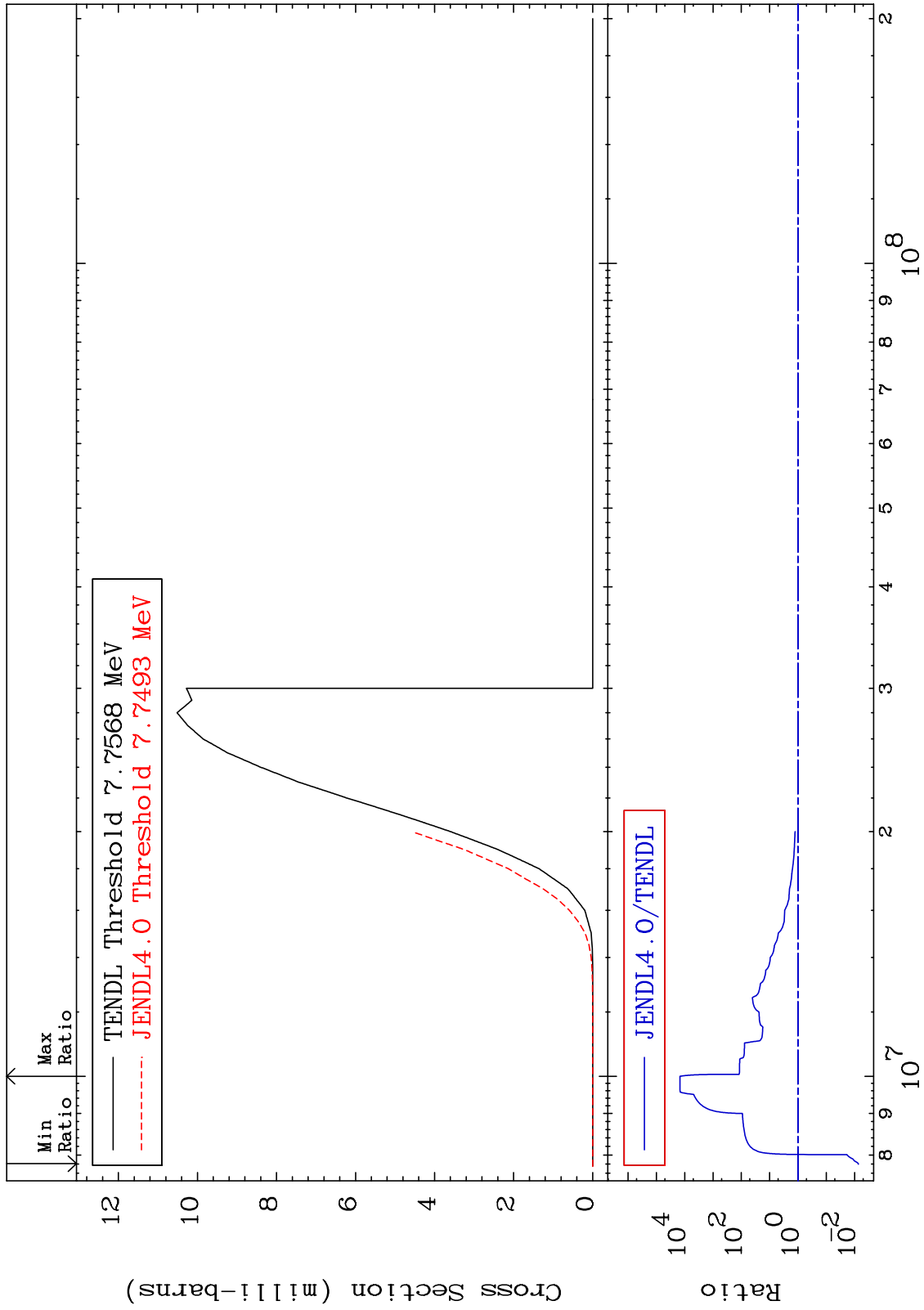
MAT 6049

(n, d)

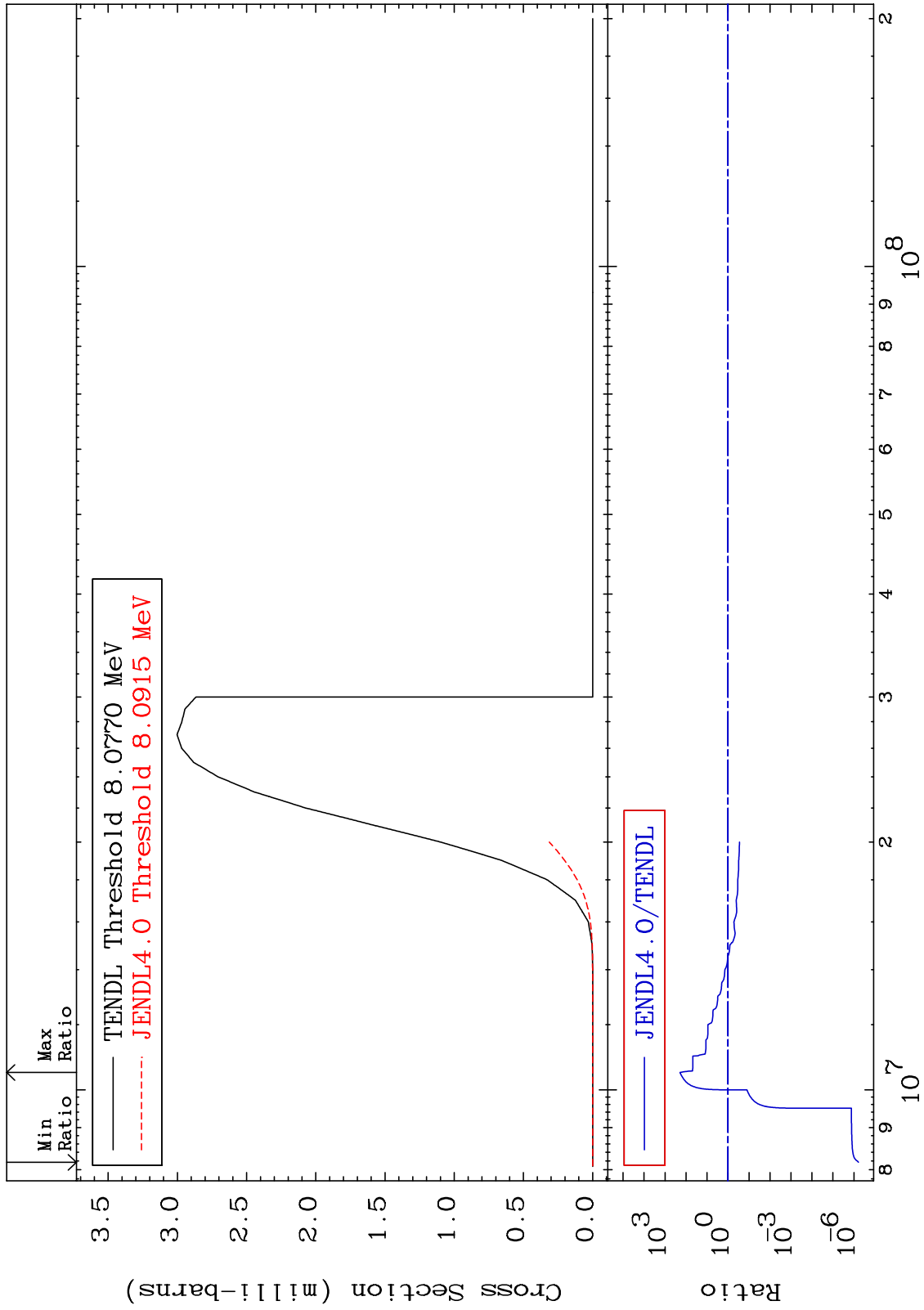
60-Nd-150

Cross Section

-99.26 To 9999. %



MAT 6049 (n, t) Cross Section 60-Nd-150 -100.0 To 9999. %



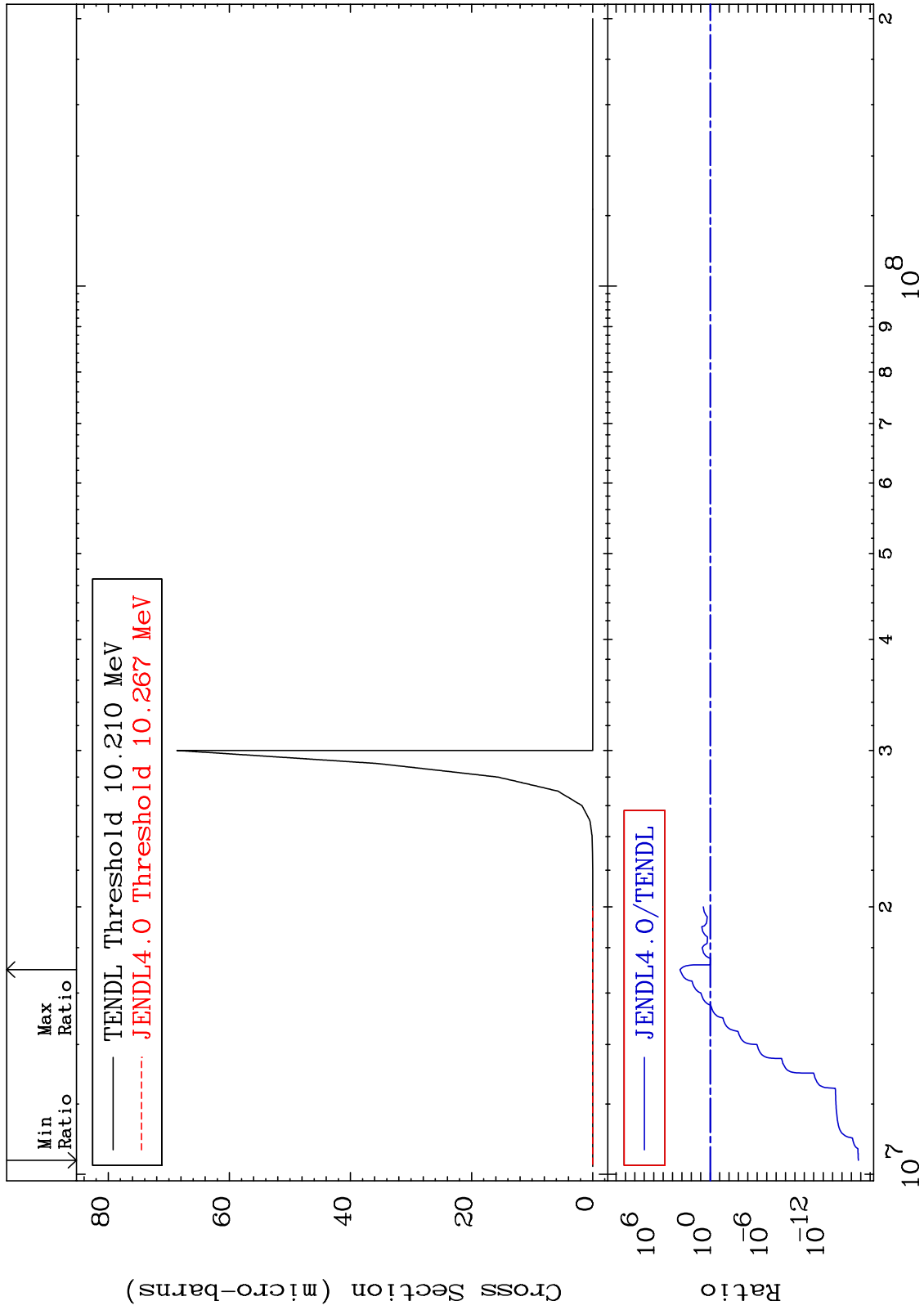
MAT 6049

(n, He-3)

60-Nd-150

Cross Section

-100.0 To 9999. %



33

60-Nd-150

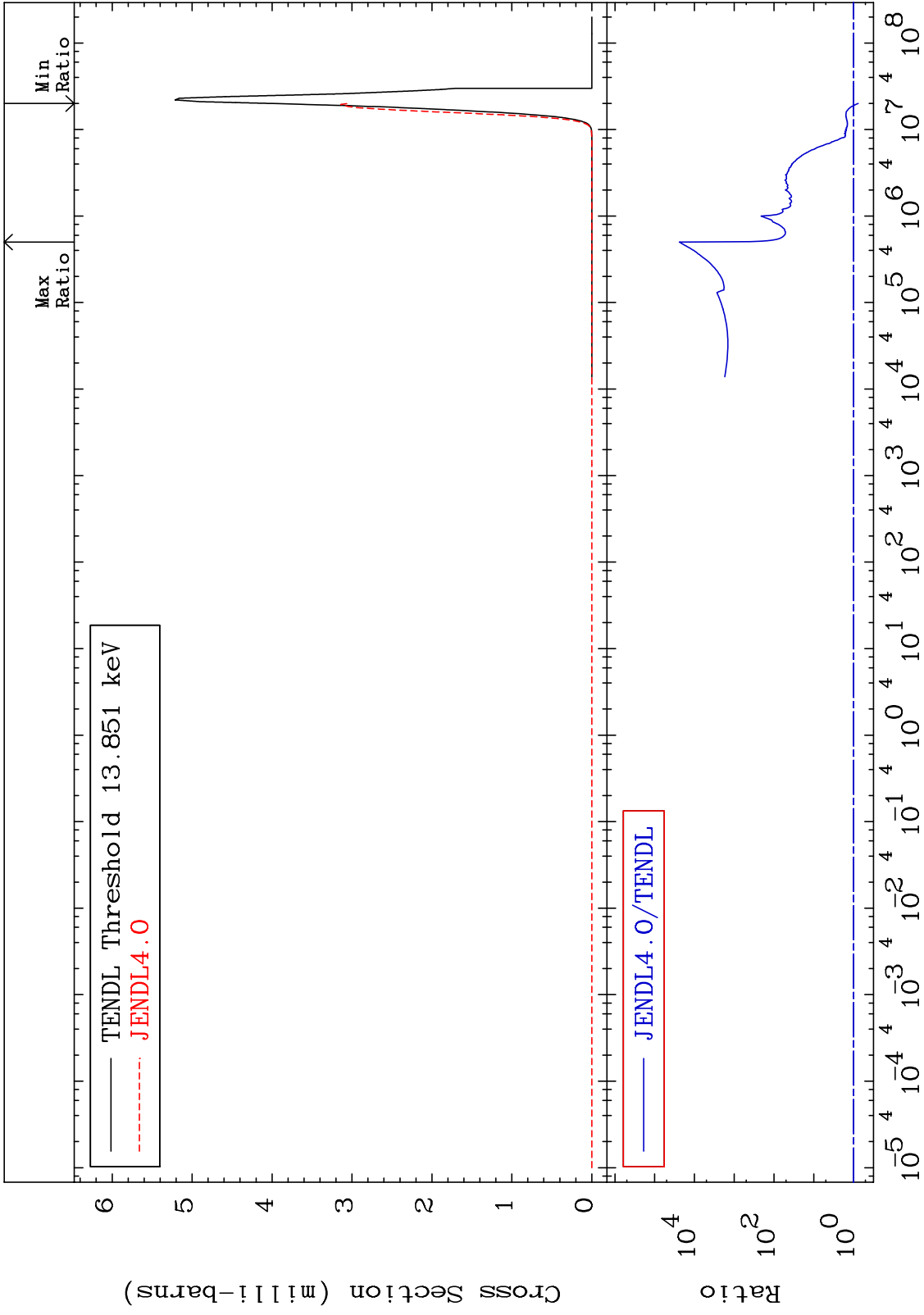
MAT 6049

(n, α)

60-Nd-150

Cross Section

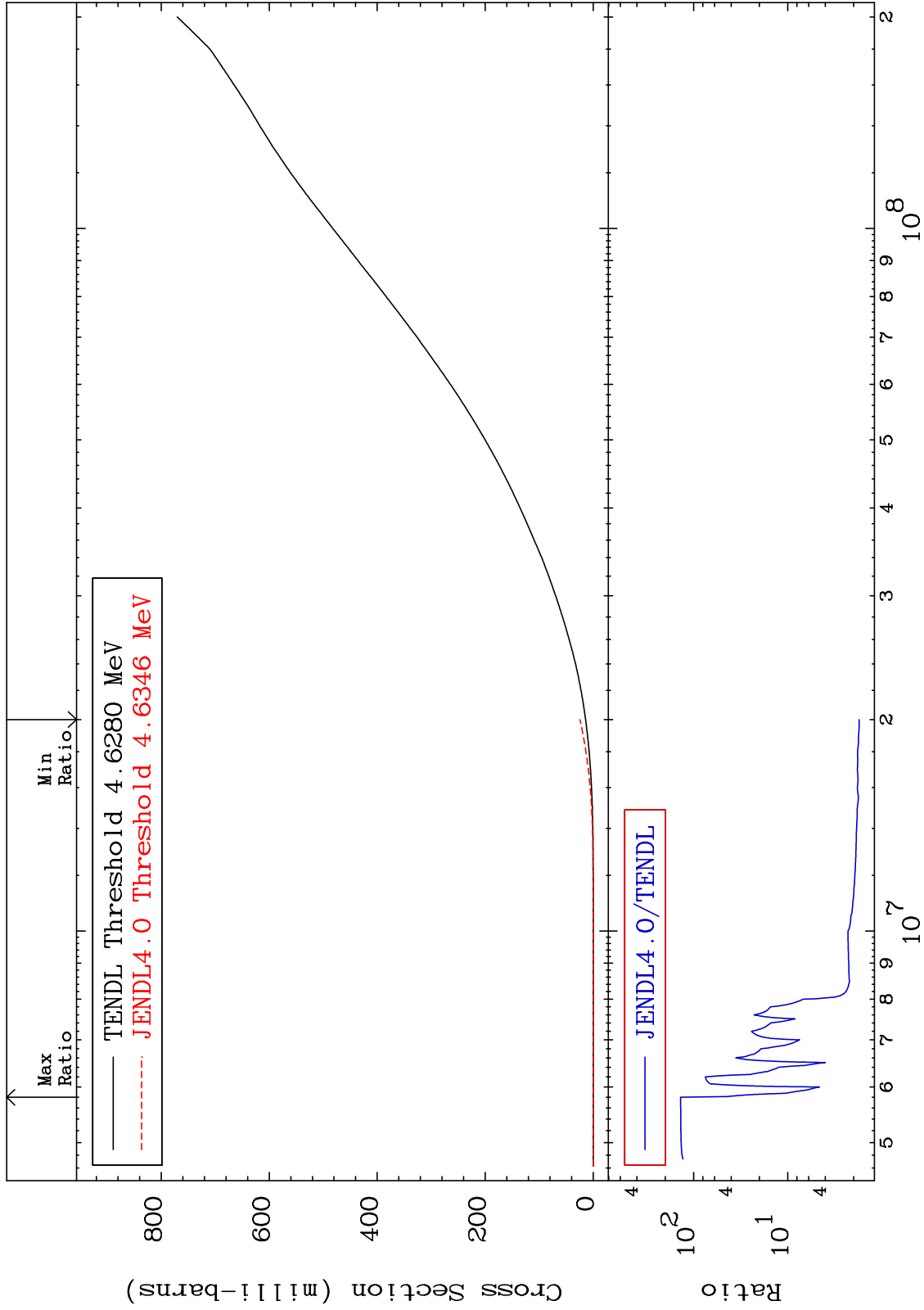
-23.93 To 9999. %



MAT 6049

Hydrogen Production
Cross Section

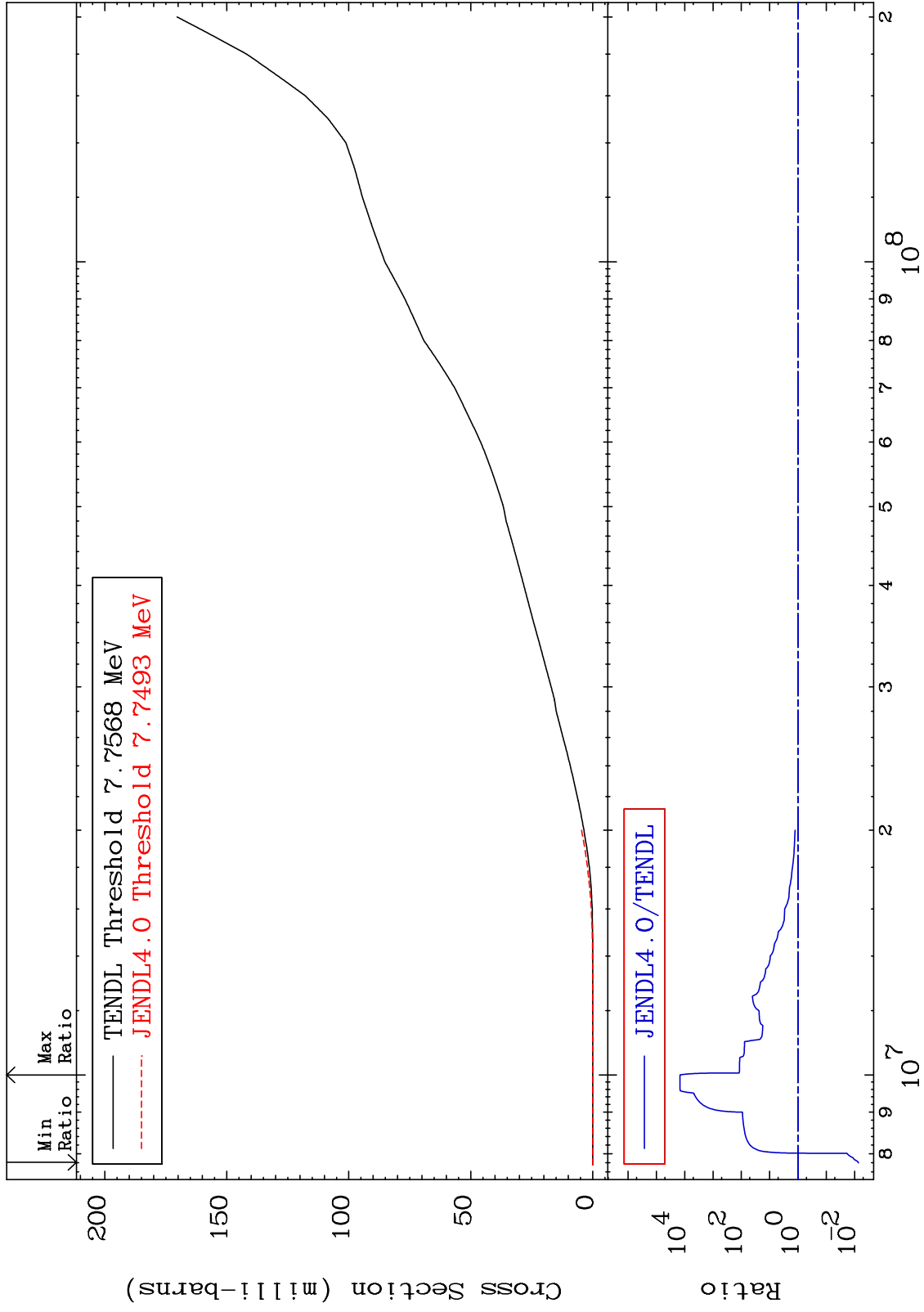
60-Nd-150
74.48 To 9999. %



MAT 6049

Deuterium Production
Cross Section

$^{60}\text{Nd-150}$
-99.26 To 9999. %



36

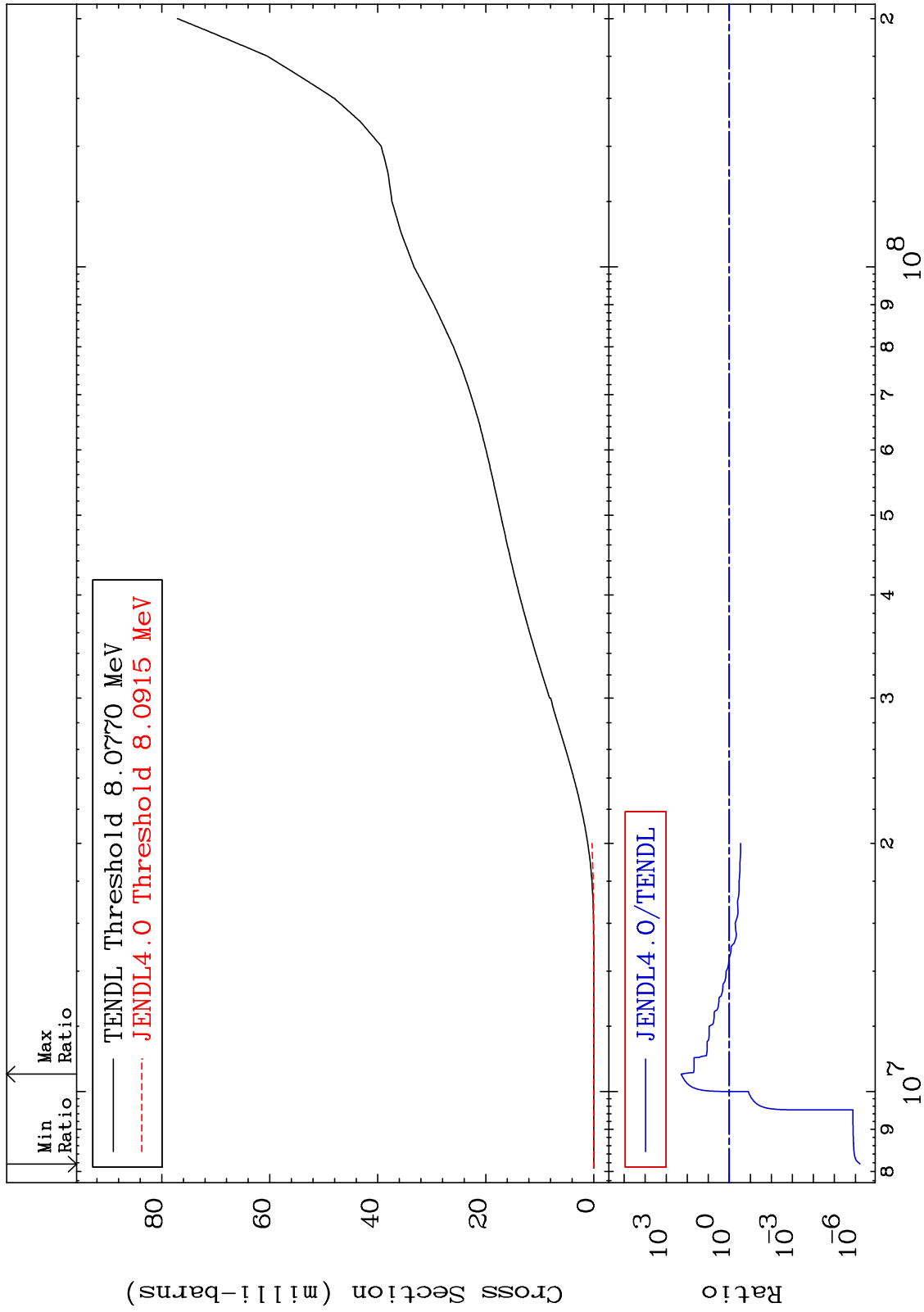
Incident Energy (eV)

$^{60}\text{Nd-150}$

MAT 6049

Tritium Production
Cross Section

60-Nd-150
-100.0 To 9999. %



37

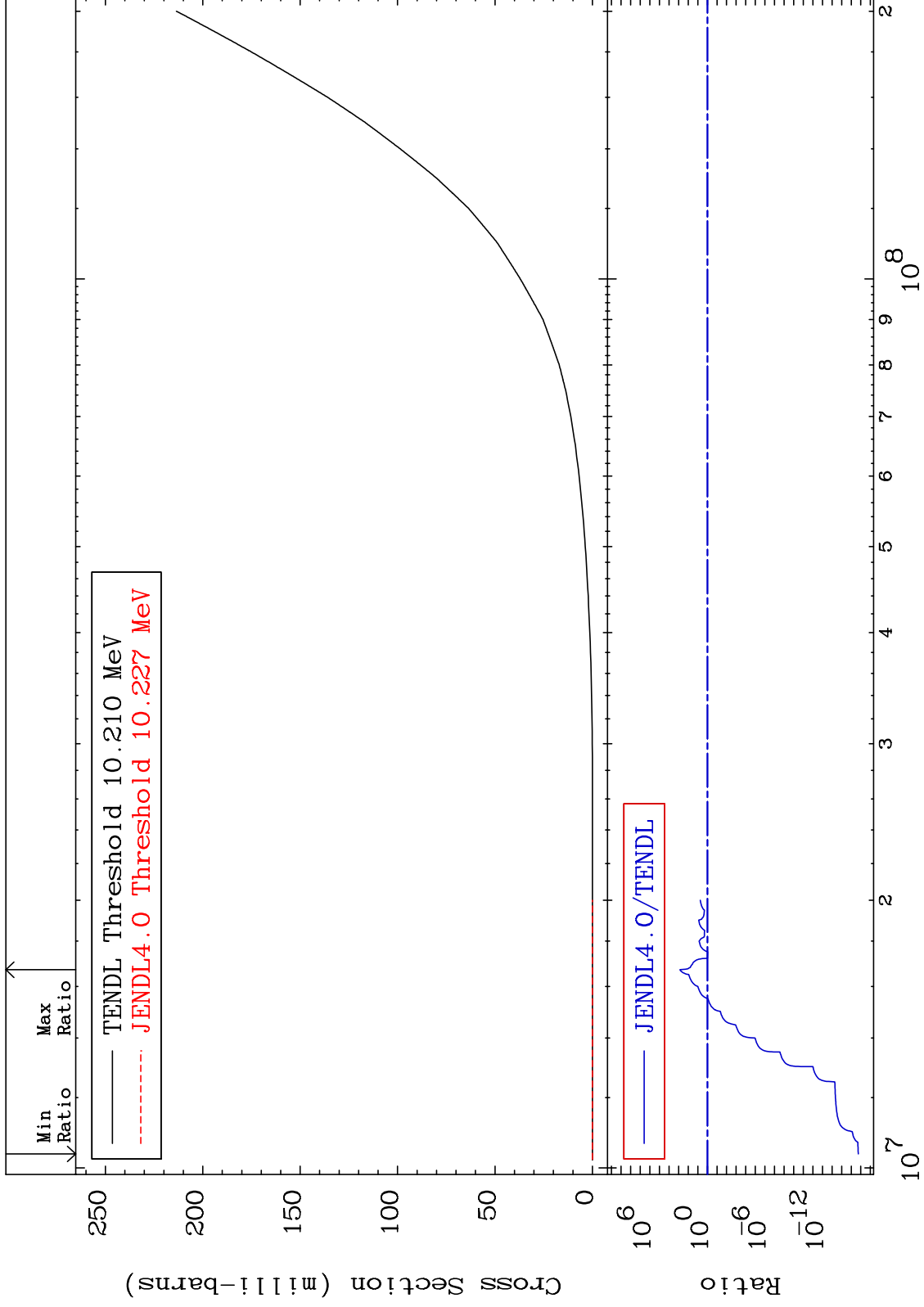
Incident Energy (eV)

60-Nd-150

MAT 6049

He-3 Production
Cross Section

60-Nd-150
-100.0 To 9999. %



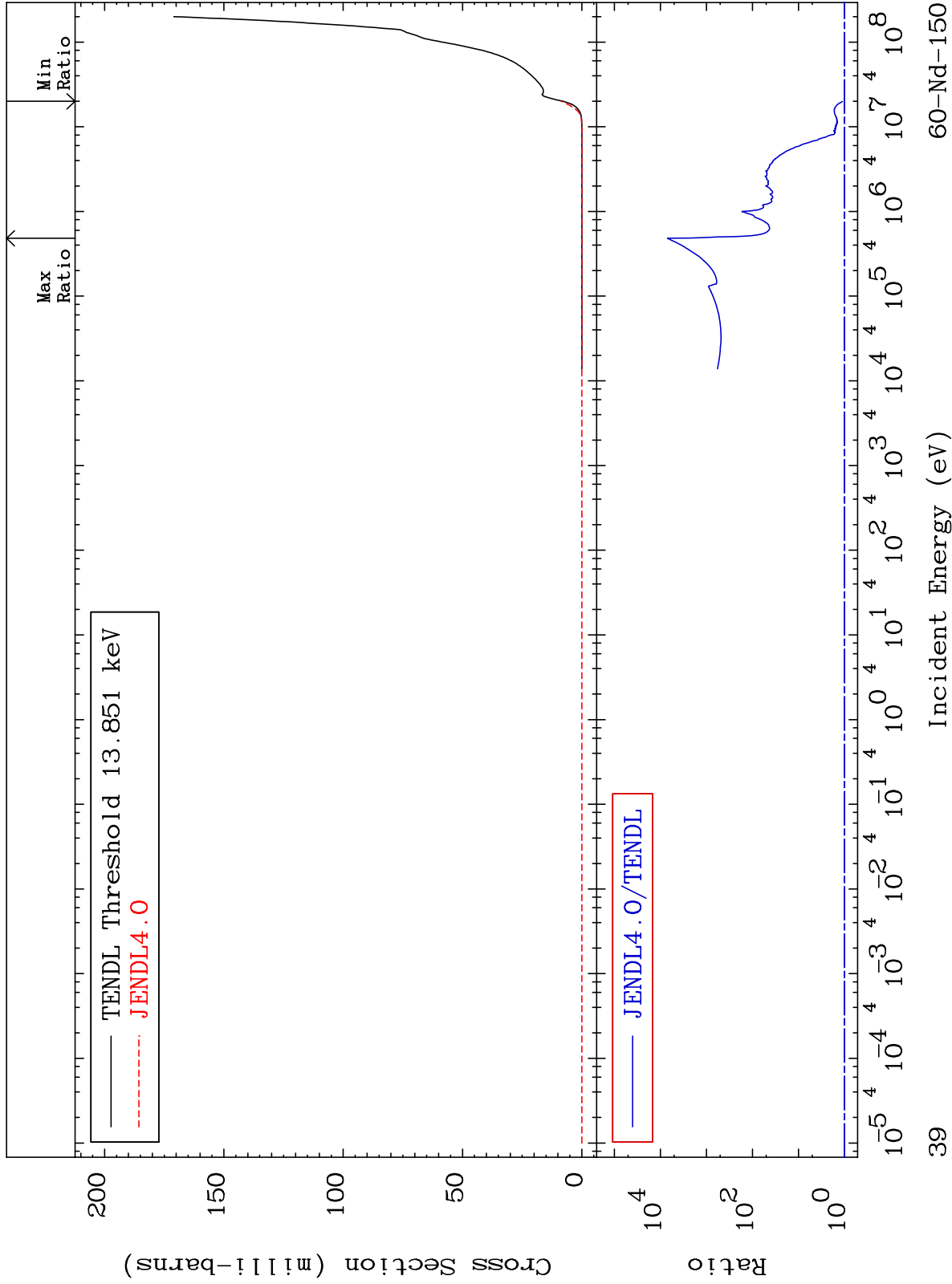
38

60-Nd-150

MAT 6049

He-4 Production
Cross Section

60-Nd-150
To 9999. %

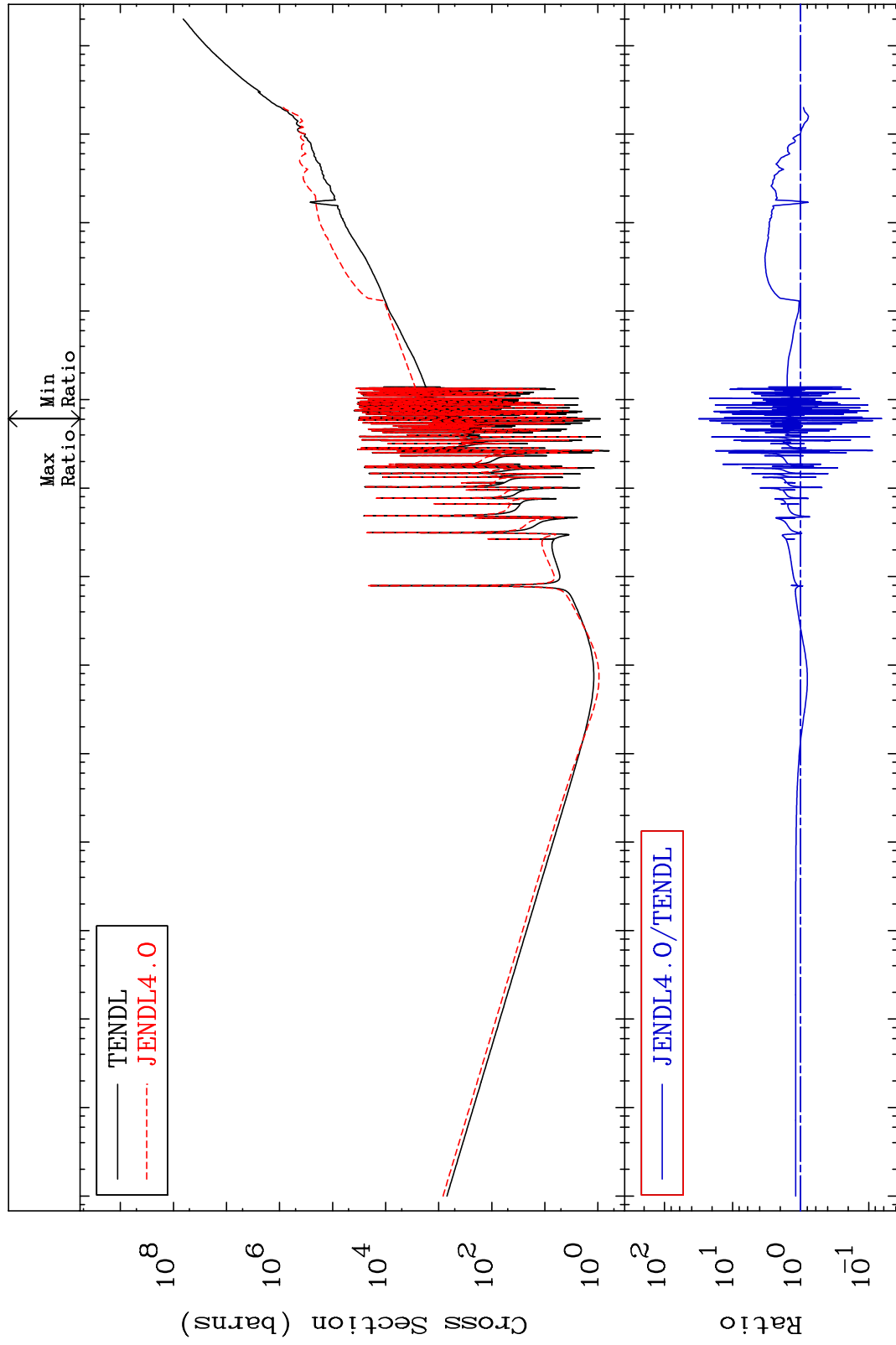


60-Nd-150

MAT 6049

Kerma total (eV-barns)
Cross Section

60-Nd-150
-93.53 To 3047. %



40

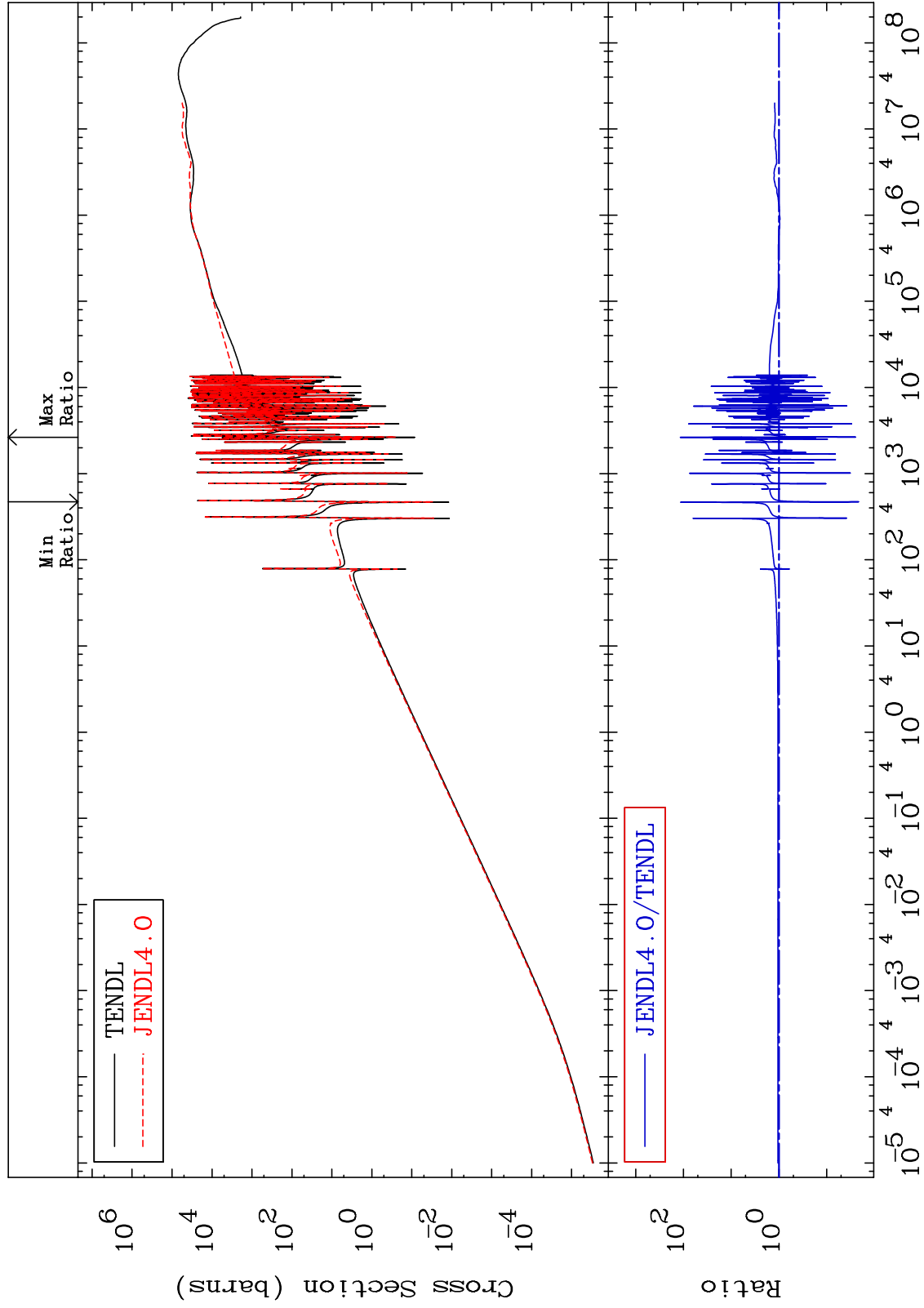
Incident Energy (eV)

60-Nd-150

MAT 6049

Kerma elastic
Cross Section

60-Nd-150
-97.85 To 9999. %



41

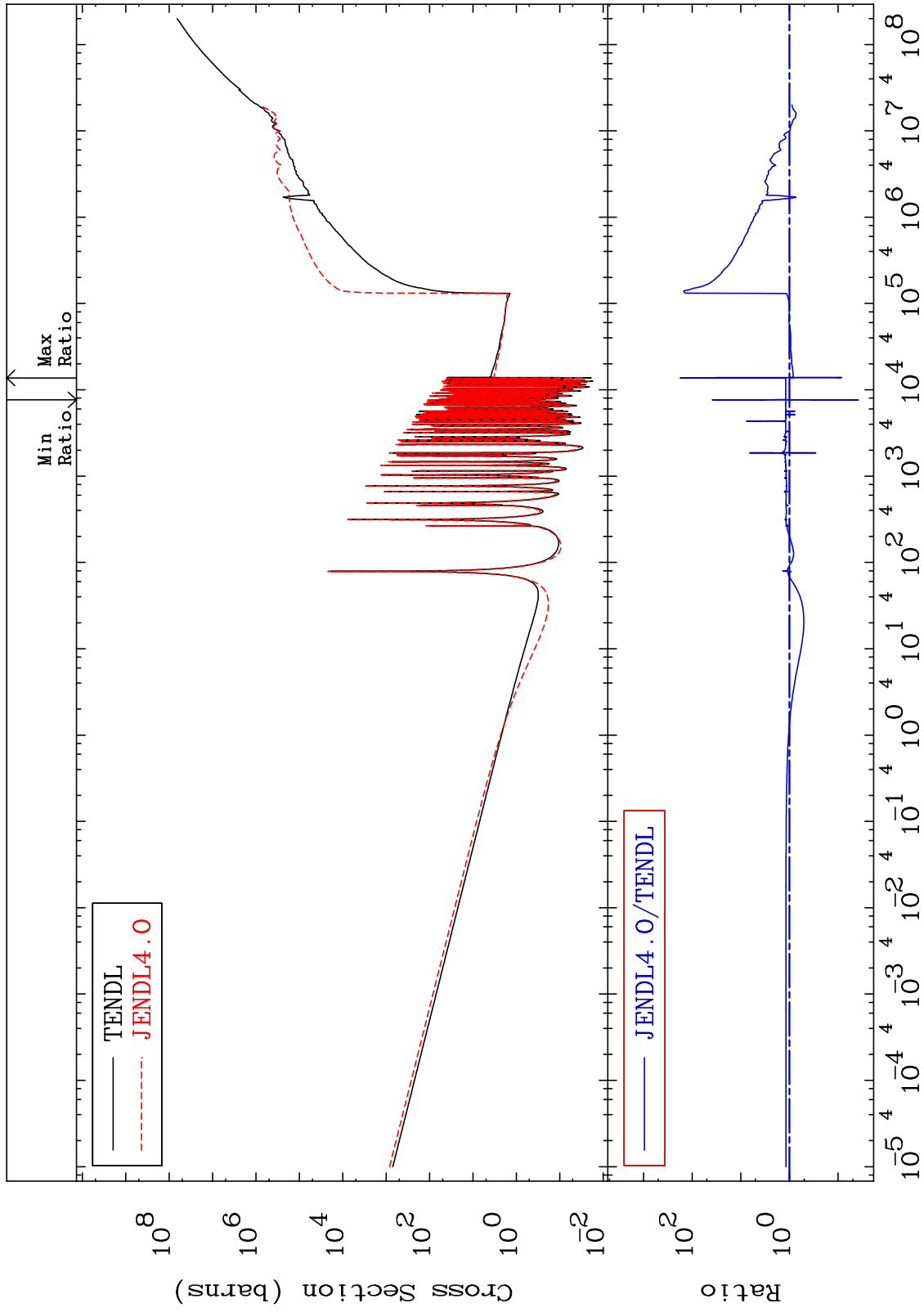
Incident Energy (eV)

60-Nd-150

MAT 6049

Kerma non-elastic (all but mt2)
Cross Section

60-Nd-150
-96.16 To 9999. %

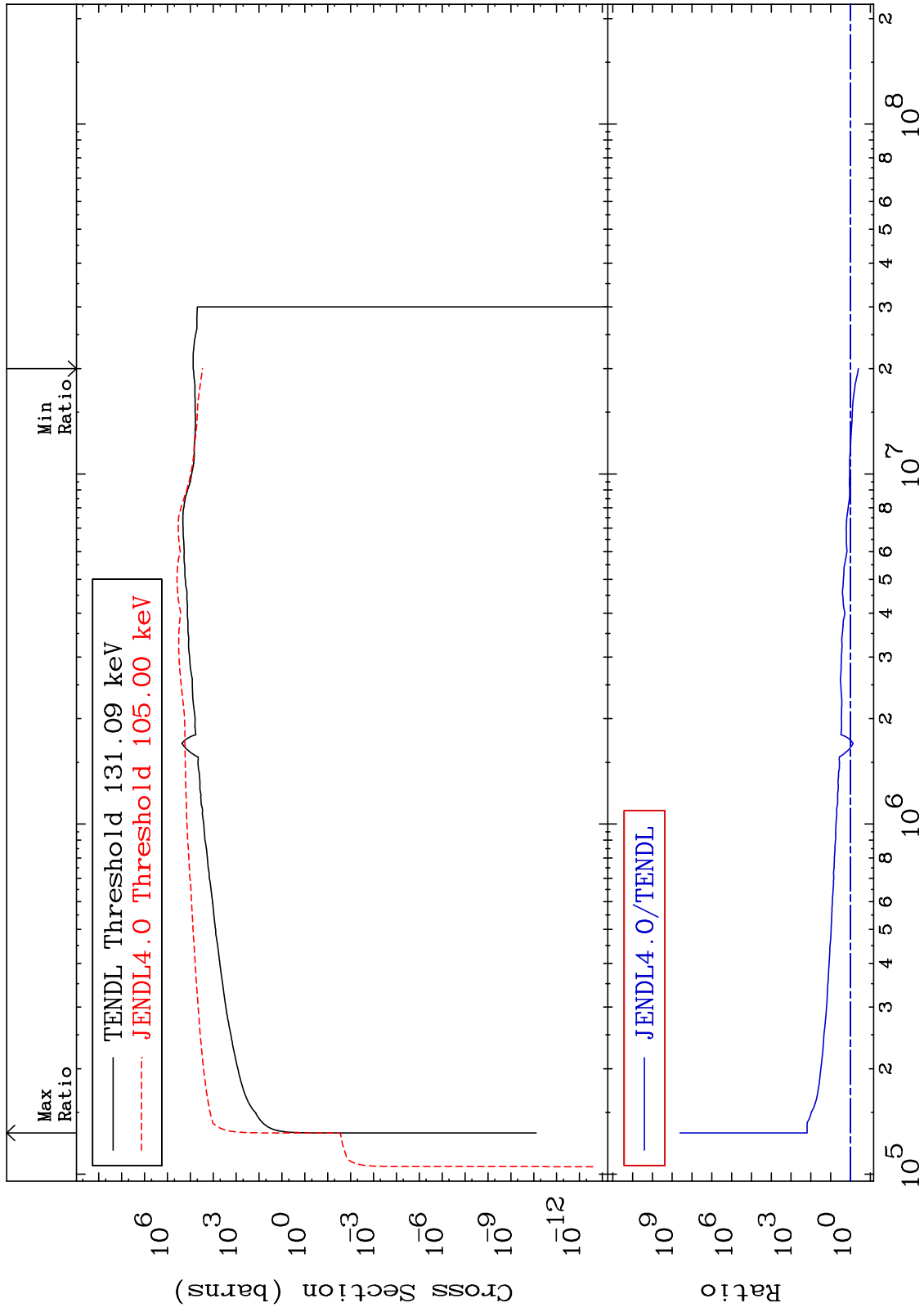


42

Incident Energy (eV)

60-Nd-150

MAT 6049 Kerma inelastic (mt51-91) 60-Nd-150
Cross Section -60.23 To 9999. %

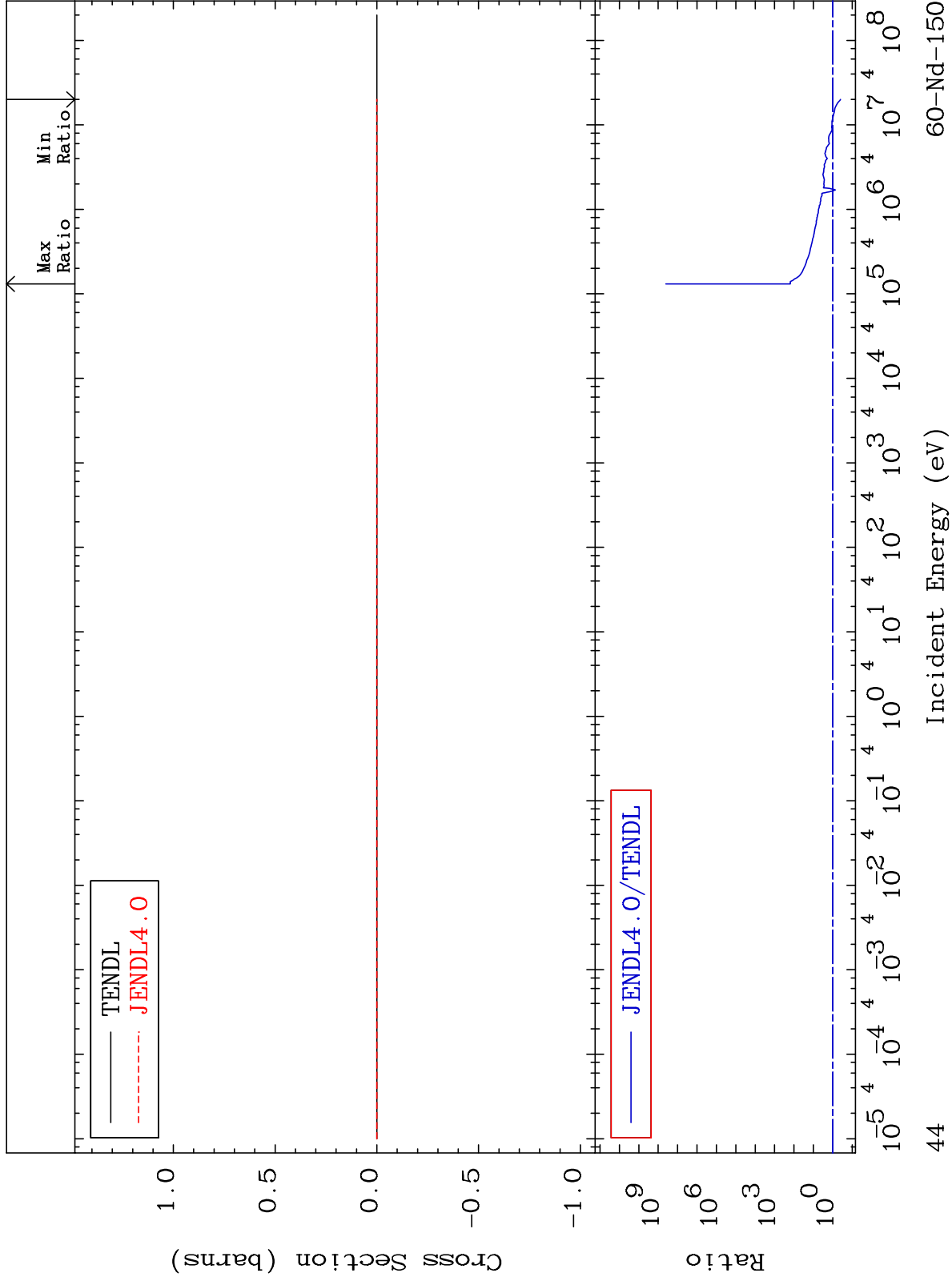


60-Nd-150
43

MAT 6049

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

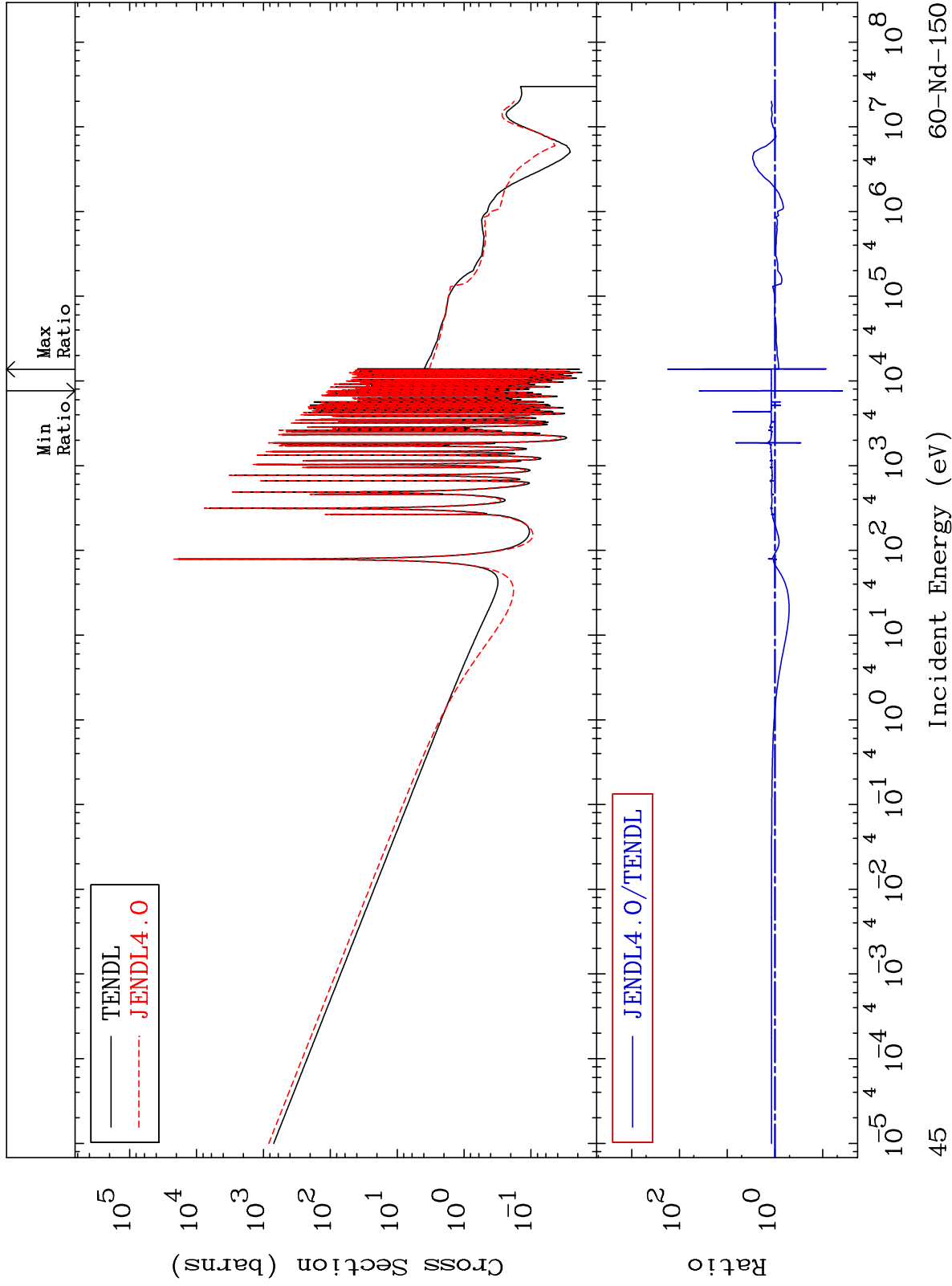
60-Nd-150
-60.23 To 9999. %



MAT 6049

Kerma capture (mt102)
Cross Section

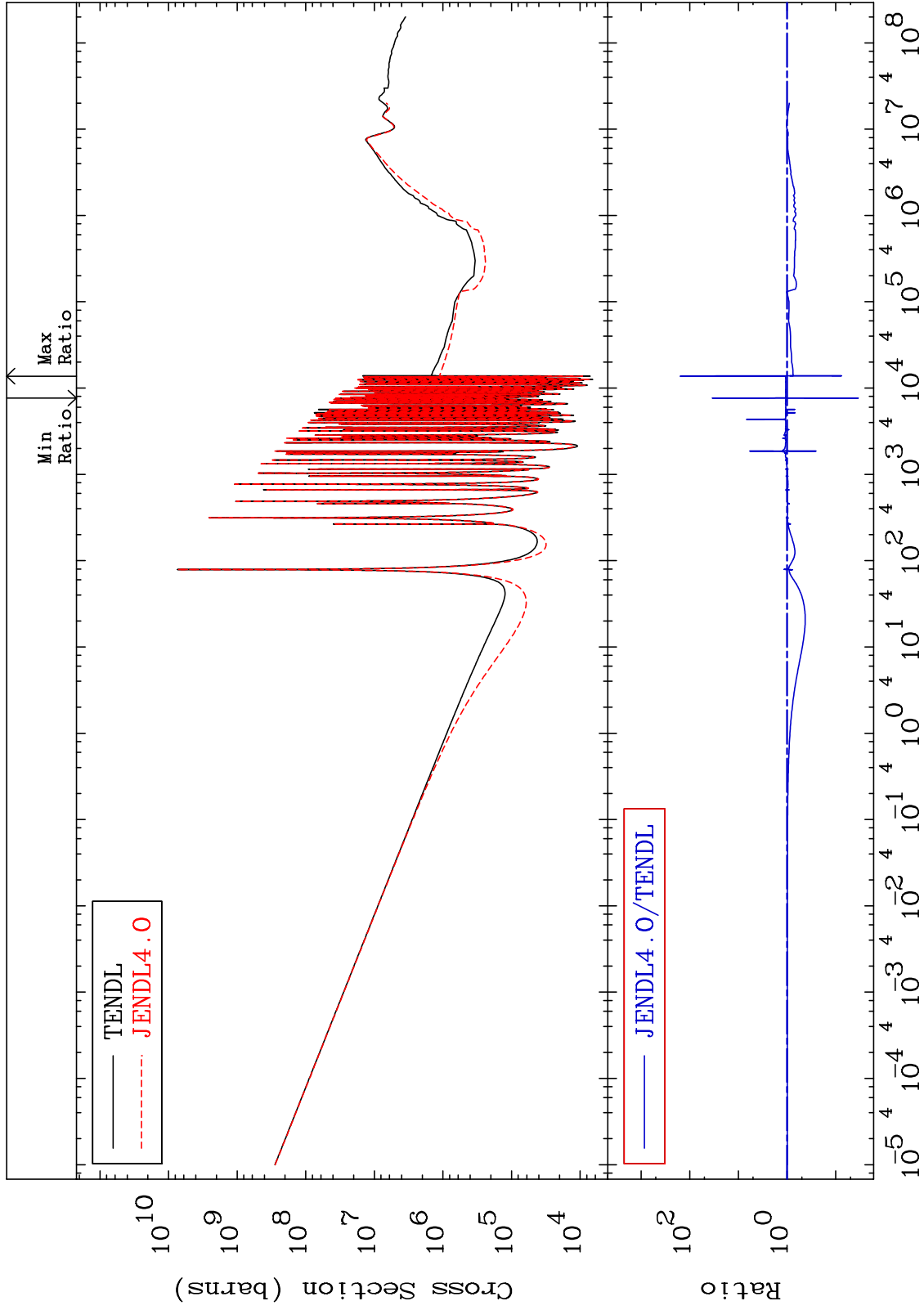
60-Nd-150
-96.16 To 9999. %



MAT 6049

Total photon (eV-barns)
Cross Section

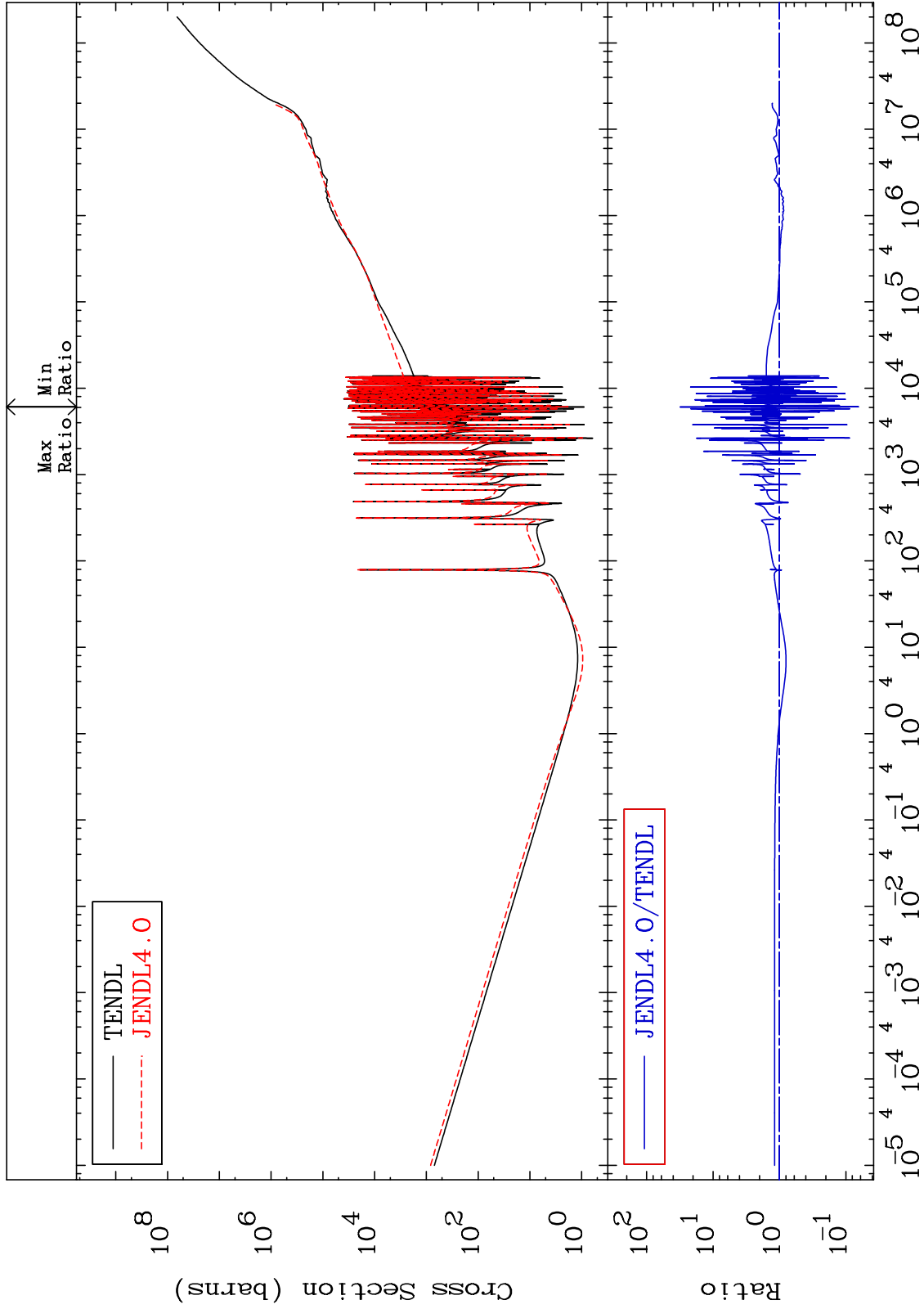
60-Nd-150
-96.57 To 9999. %



MAT 6049

Total kinematic kerma (high limit)
Cross Section

60-Nd-150
-93.53 To 3047. %



47

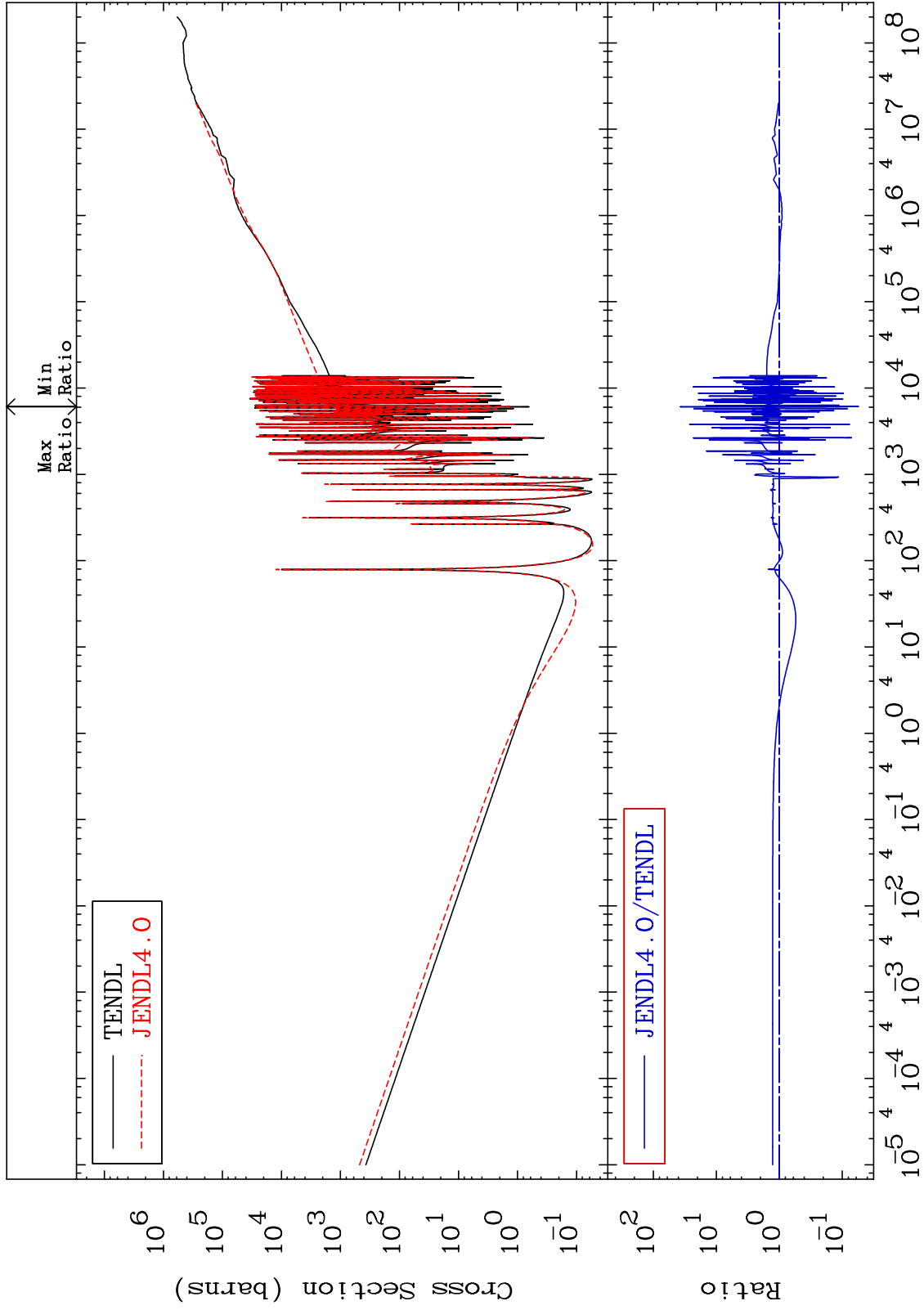
Incident Energy (eV)

60-Nd-150

MAT 6049

Dpa total (eV-barns)
Cross Section

60-Nd-150
-94.45 To 3664. %



48

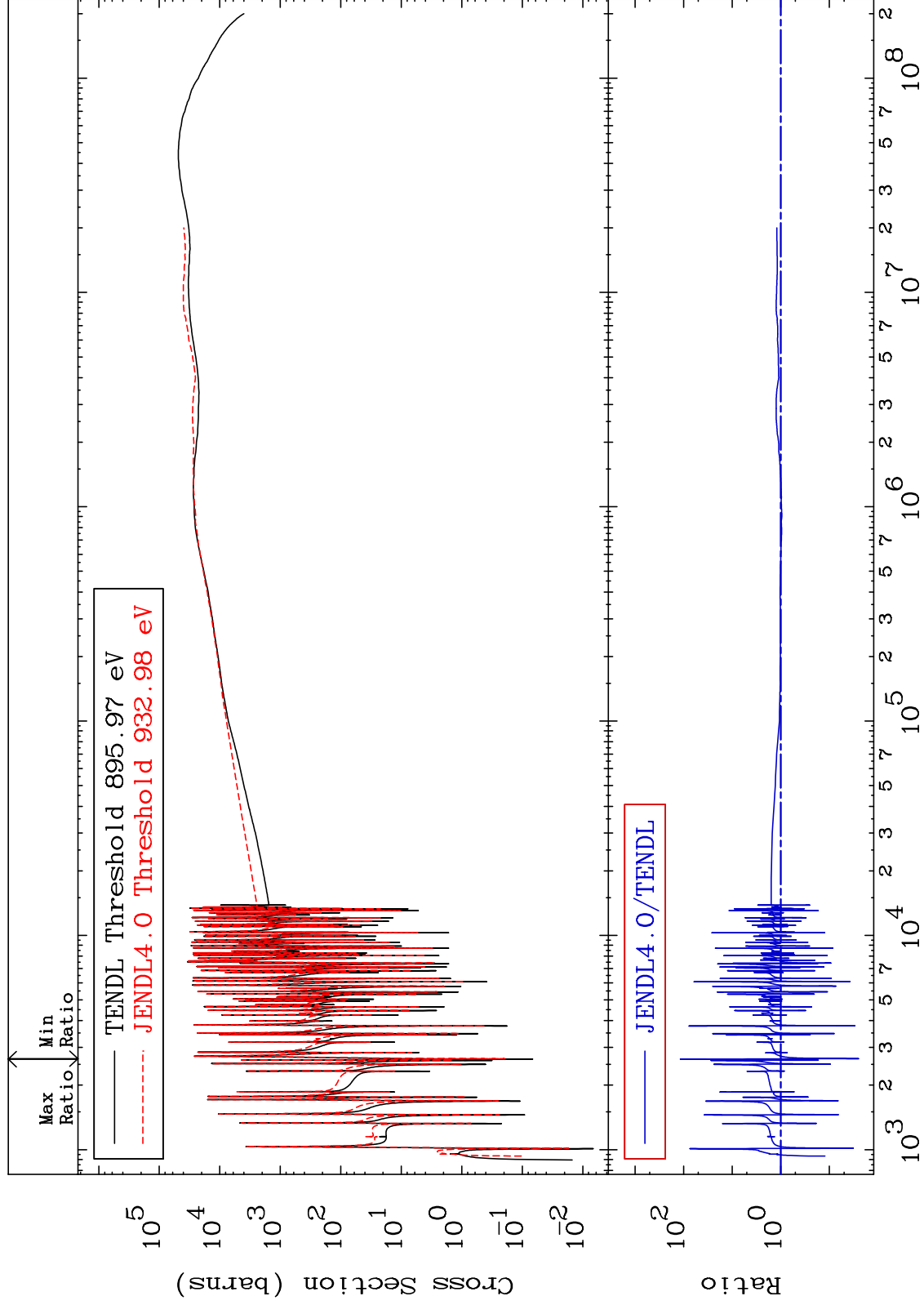
Incident Energy (eV)

60-Nd-150

MAT 6049

Dpa elastic (mt2)
Cross Section

60-Nd-150
-97.49 To 9999. %



49

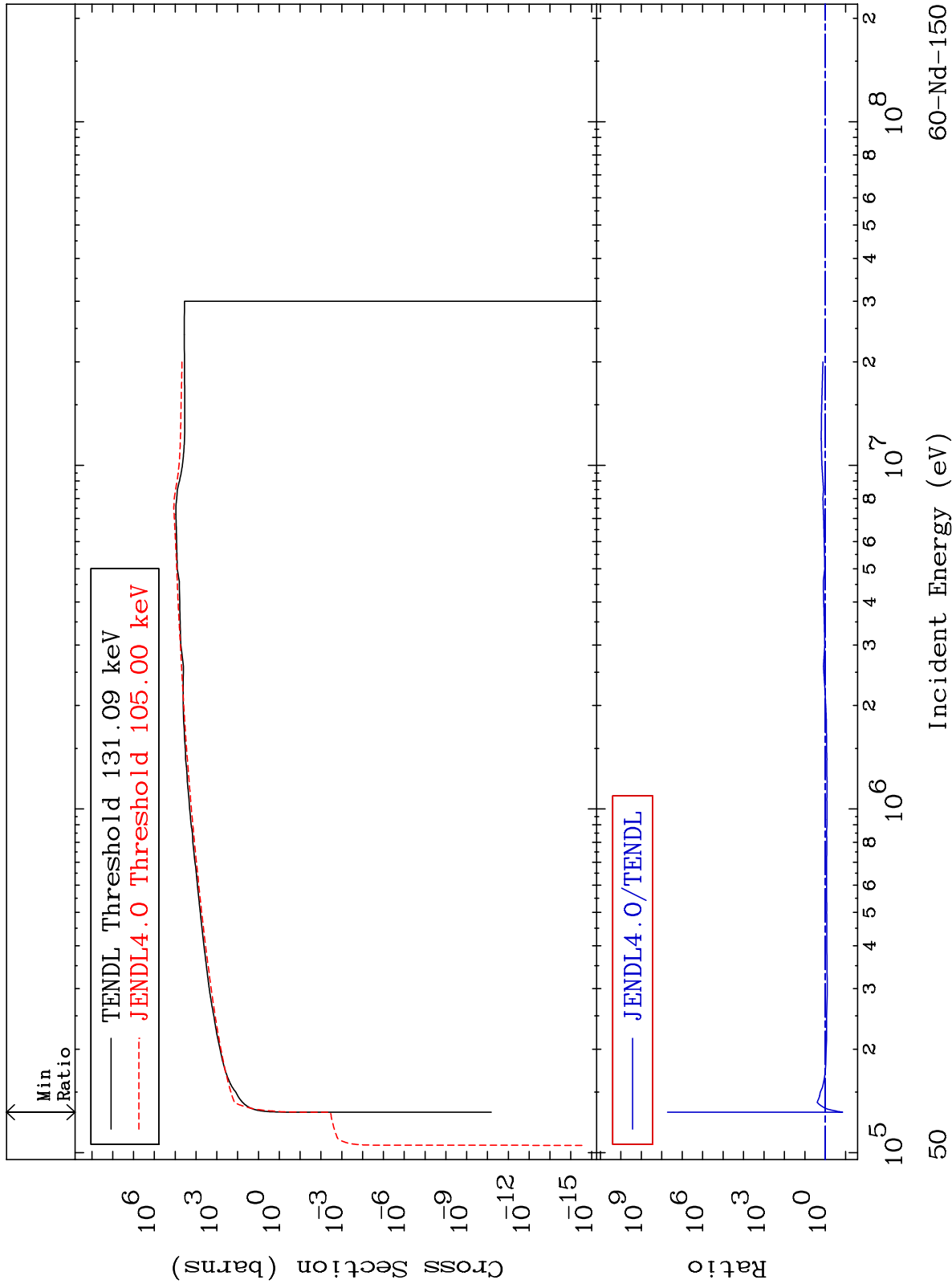
60-Nd-150

60-Nd-150

MAT 6049

Dpa inelastic (mt51-91)
Cross Section

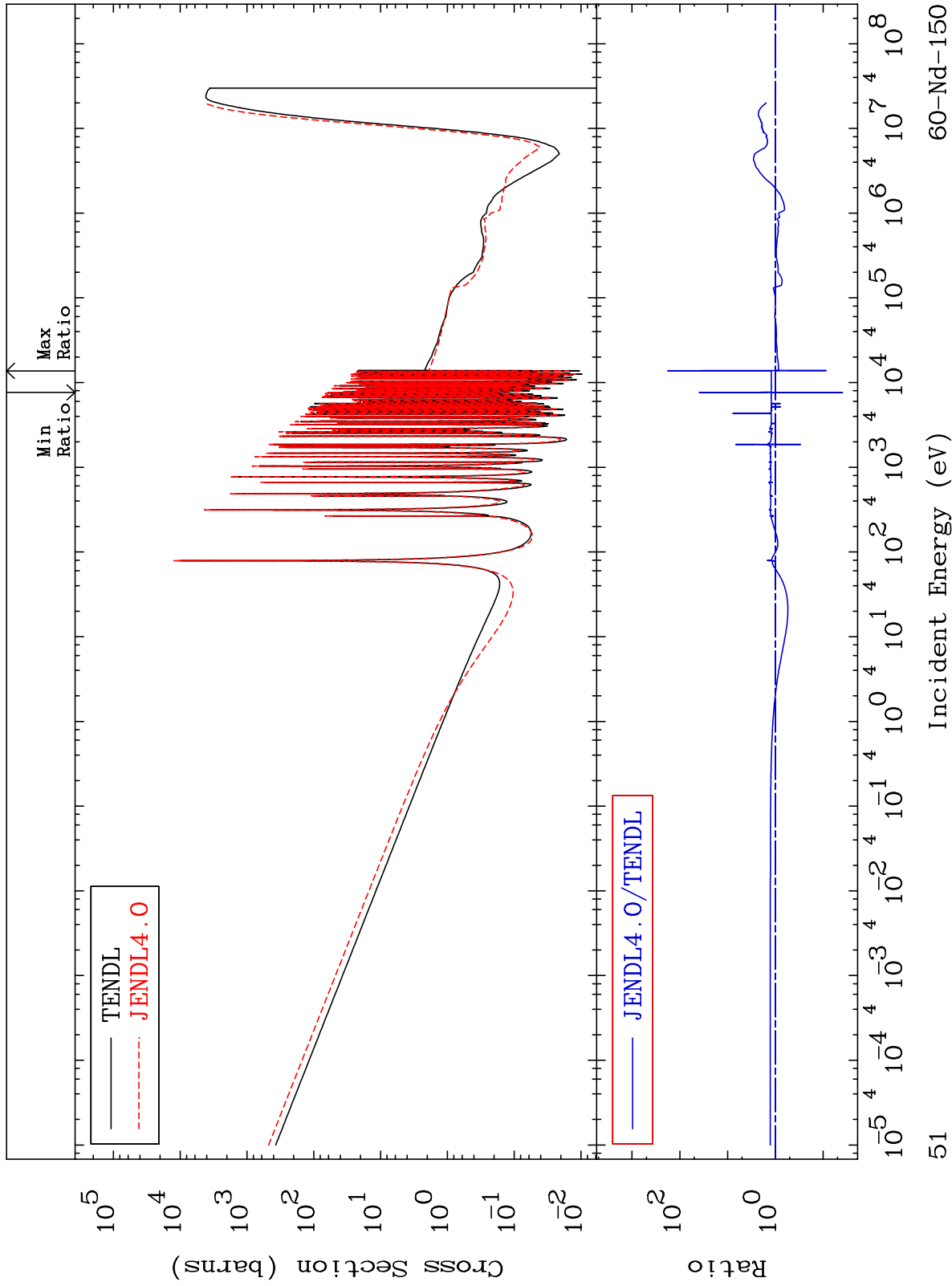
60-Nd-150
-85.90 To 9999. %



MAT 6049

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-150
-96.09 To 9999. %



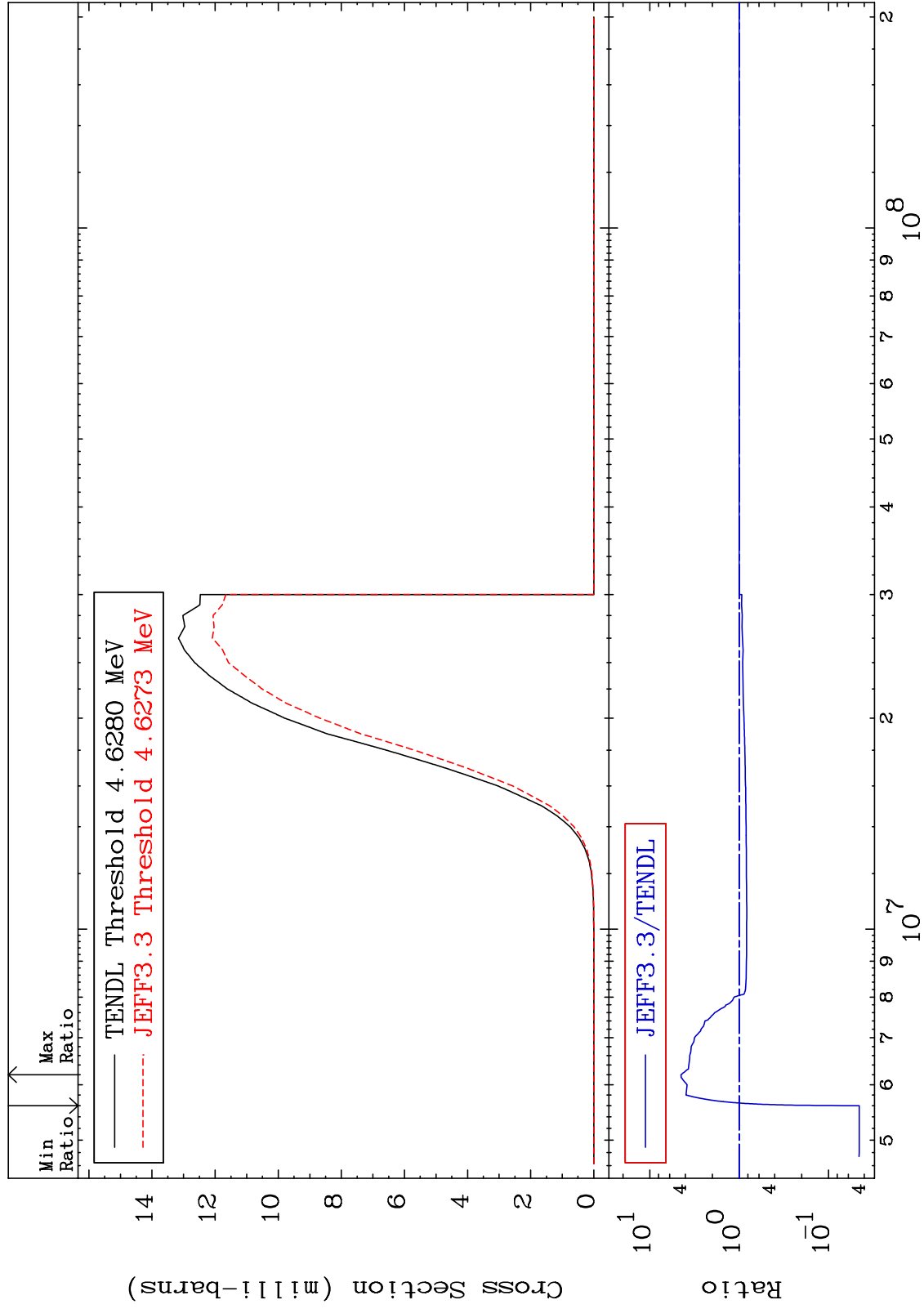
MAT 6049

(n,p)

60-Nd-150

Cross Section

-95.47 To 347.2 %



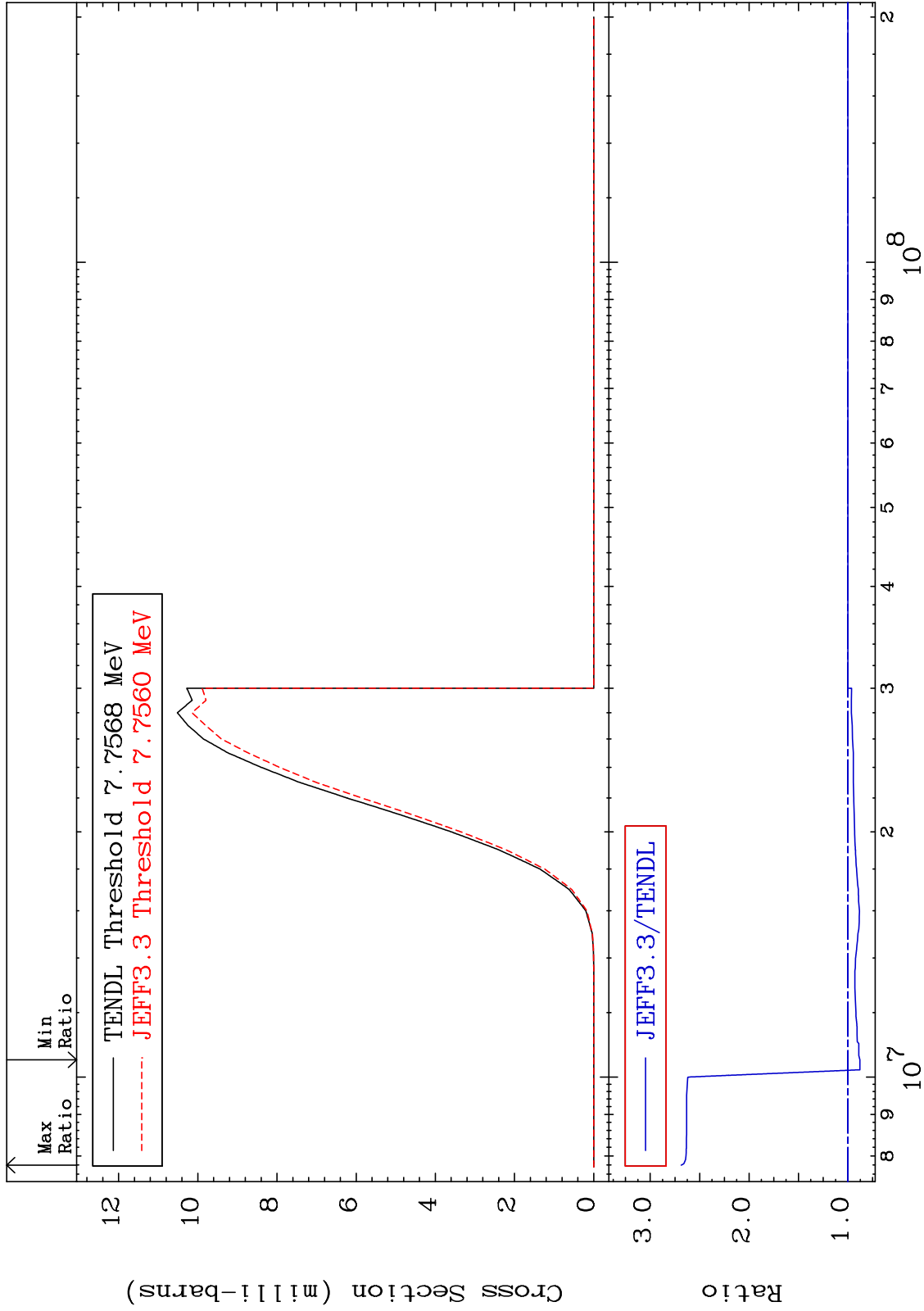
MAT 6049

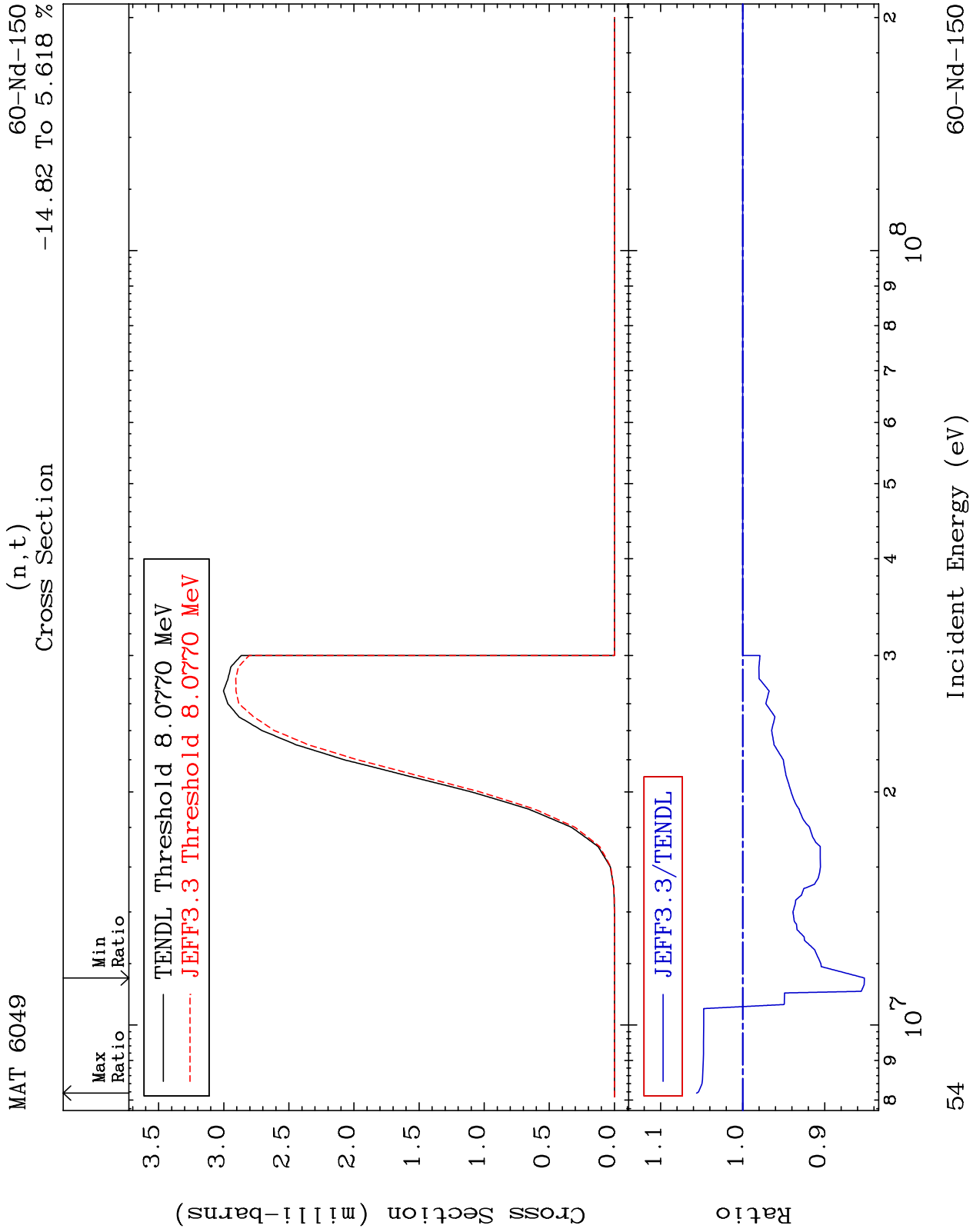
(n, d)

60-Nd-150

Cross Section

-12.19 To 168.6 %





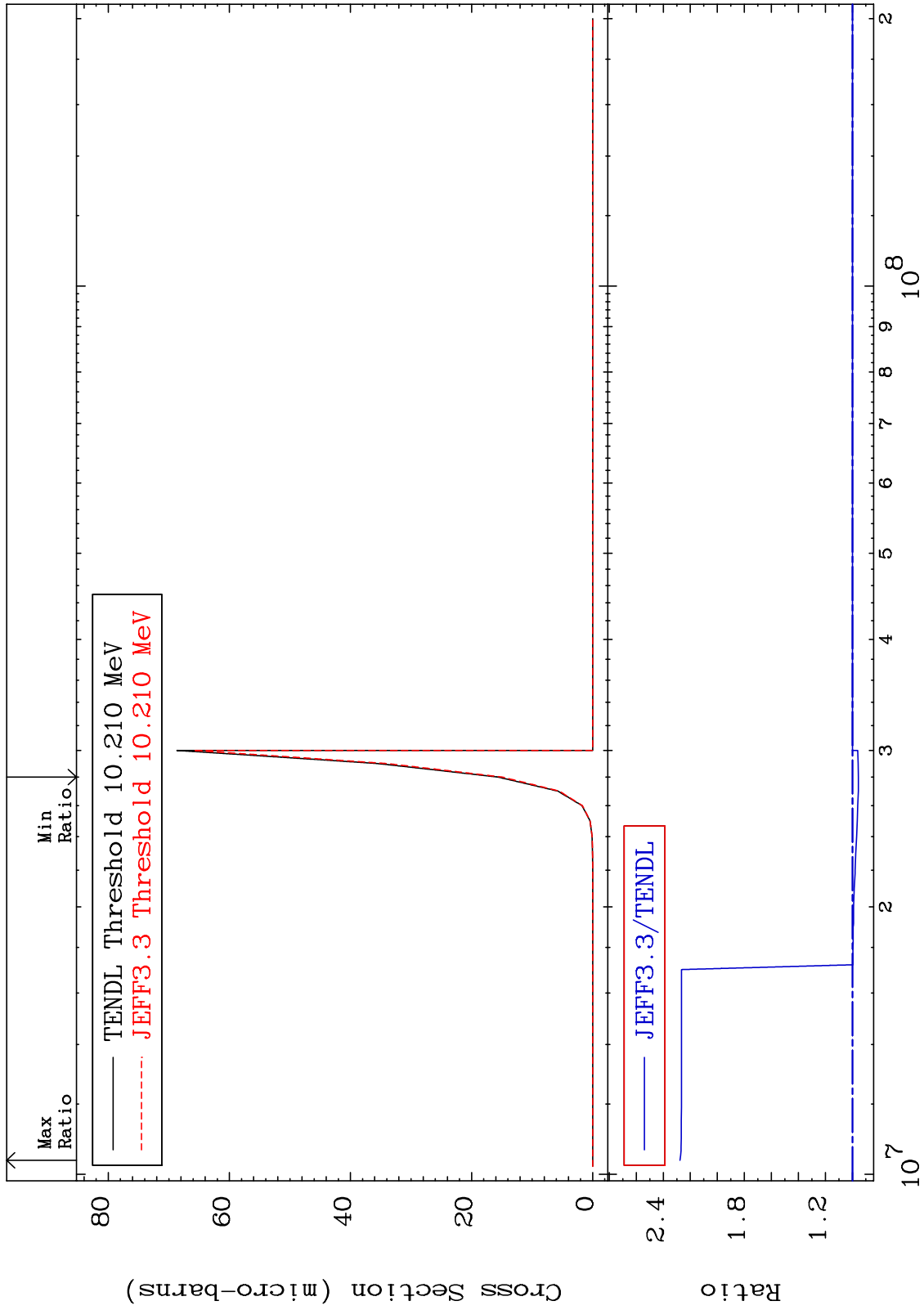
MAT 6049

(n, He-3)

60-Nd-150

Cross Section

-4.464 To 127.6 %



55

Incident Energy (eV)

60-Nd-150

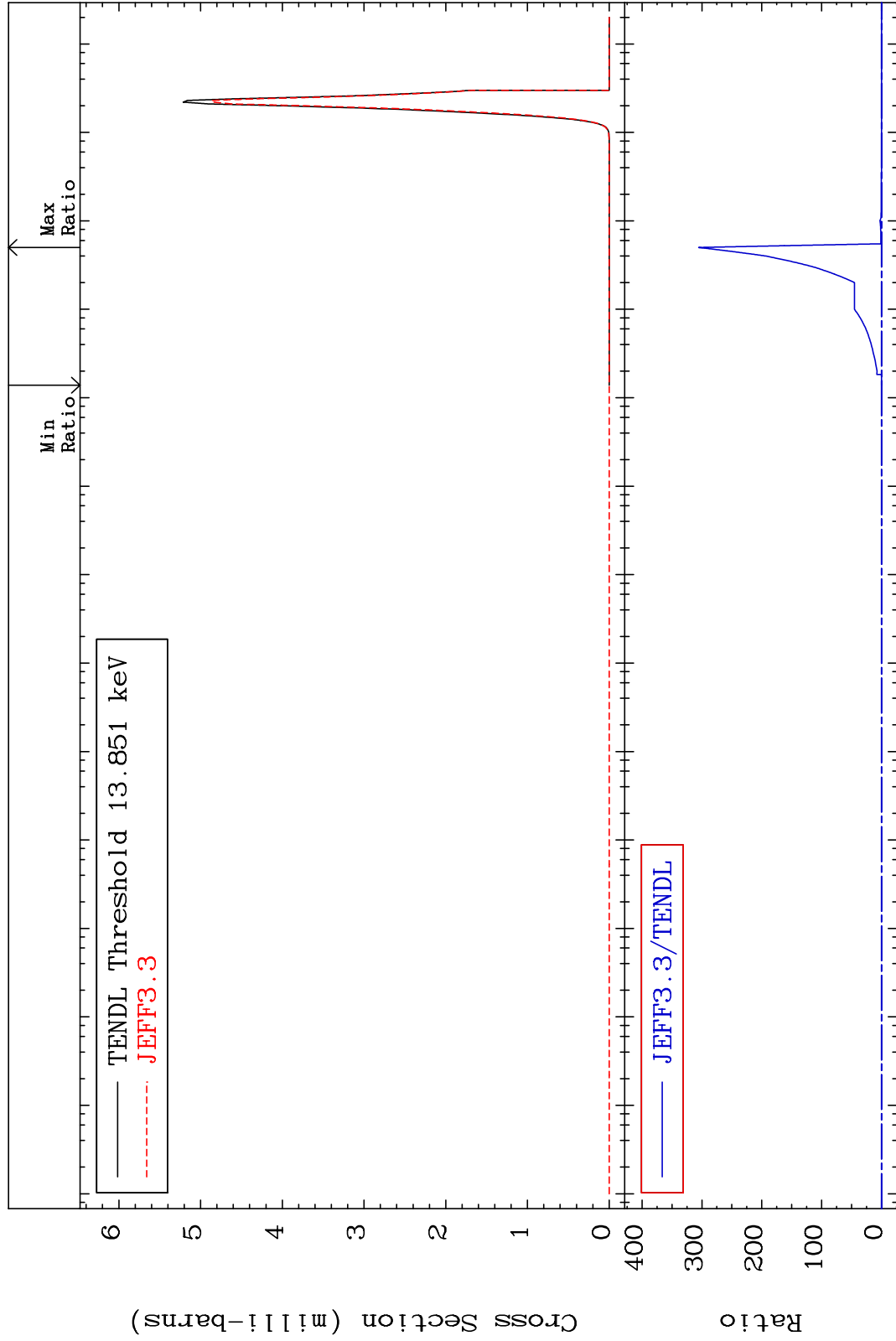
MAT 6049

(n, α)

60-Nd-150

Cross Section

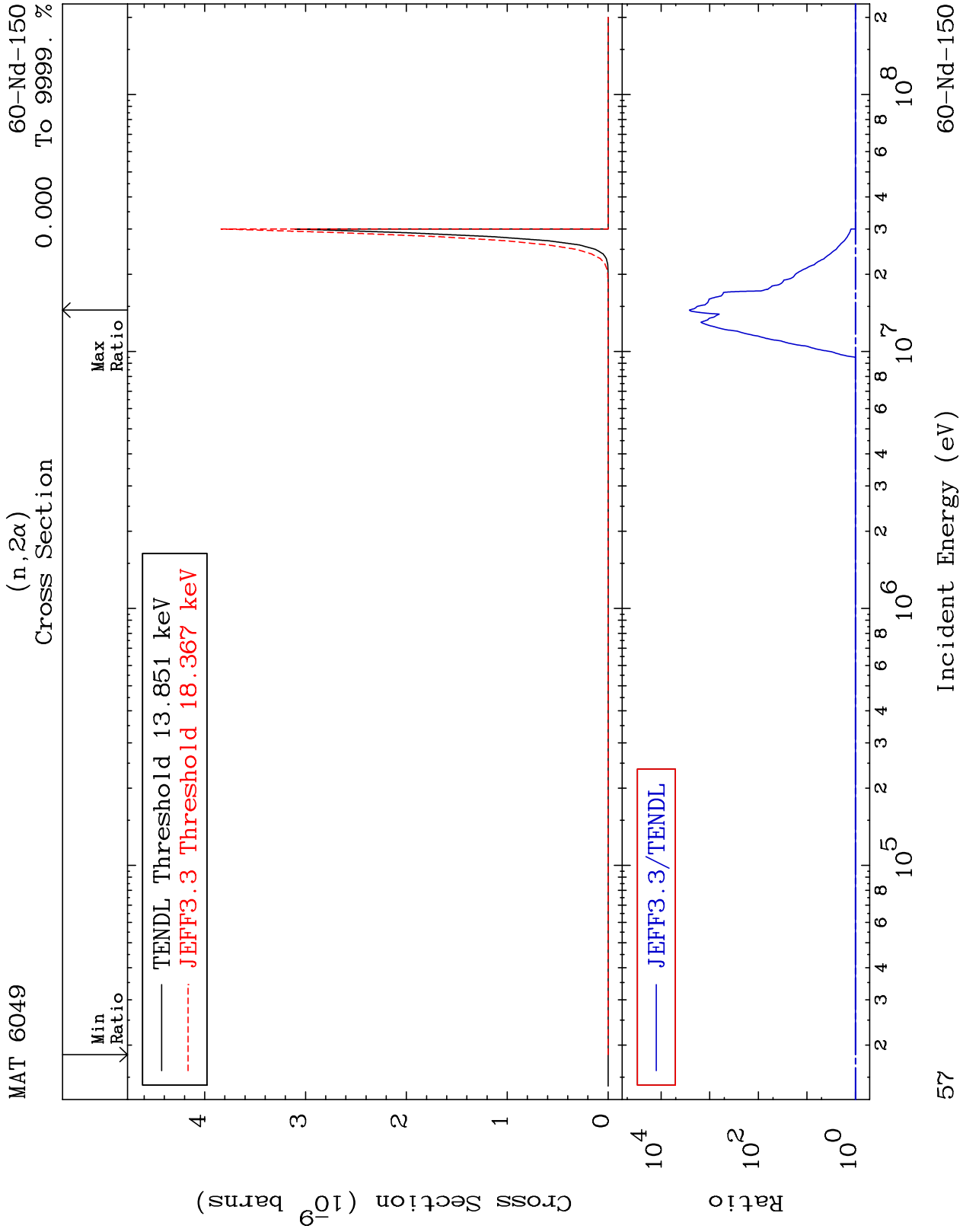
-100.0 To 9999. %

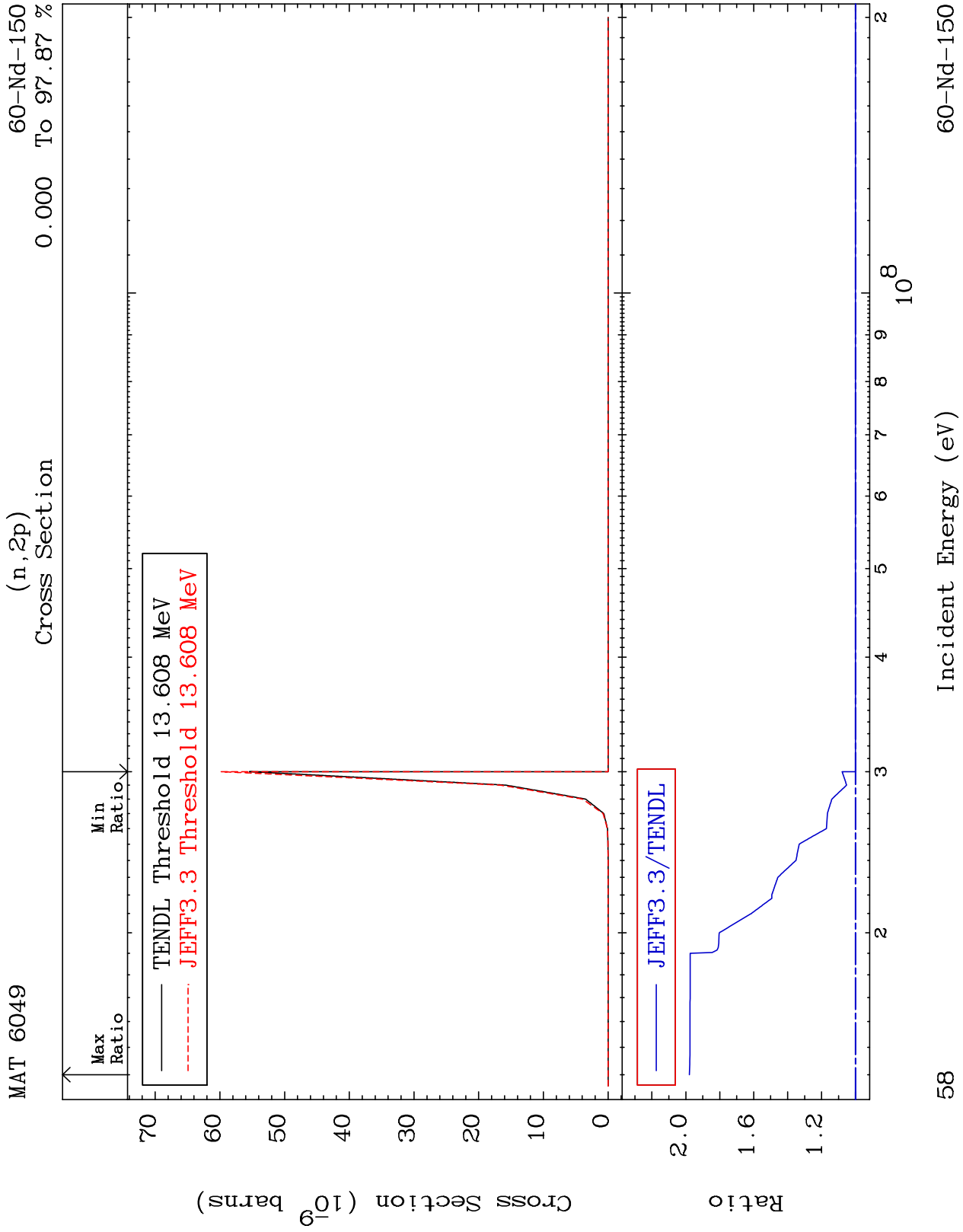


56

Incident Energy (eV)

60-Nd-150





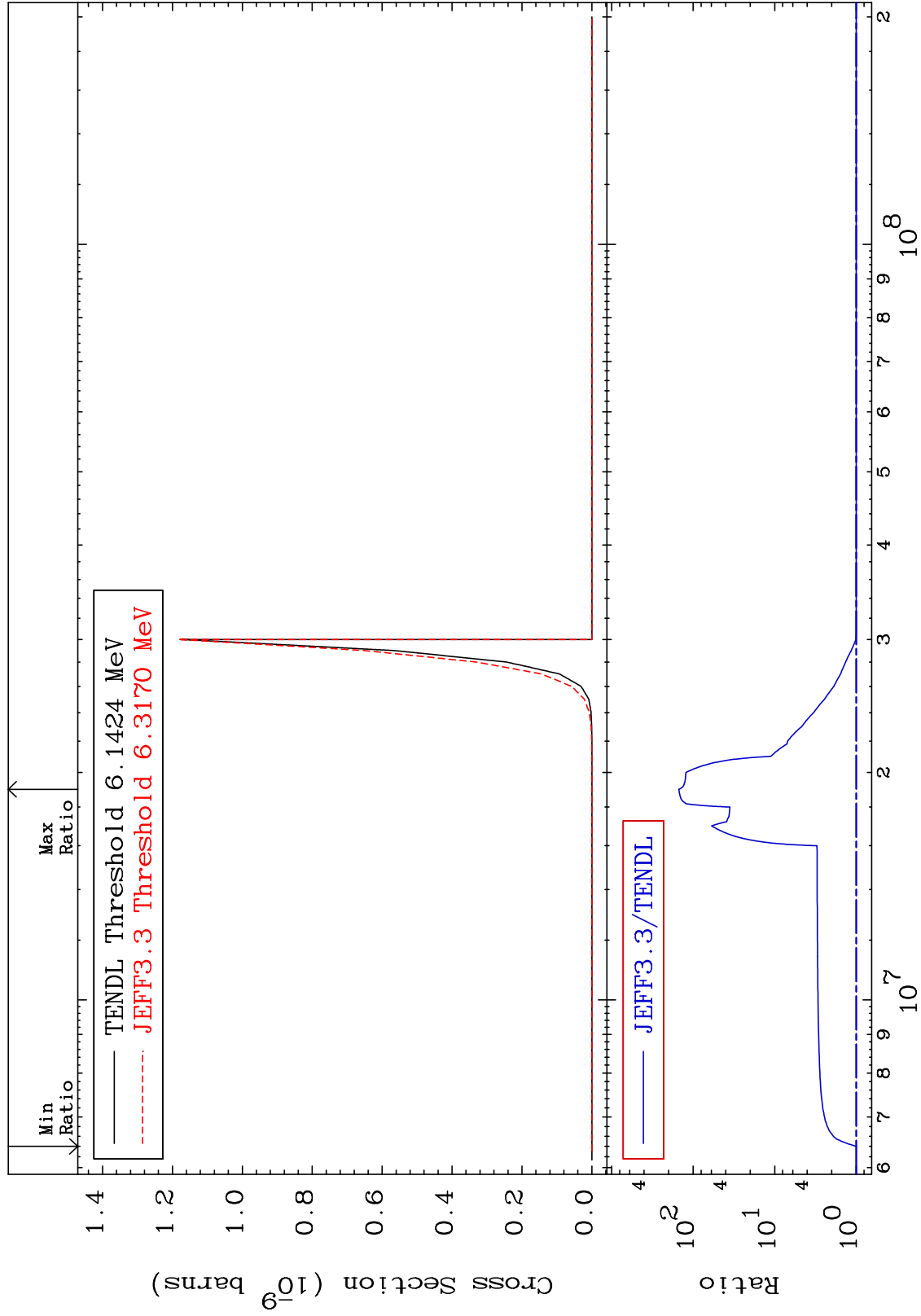
MAT 6049

(n,p) α

60-Nd-150

Cross Section

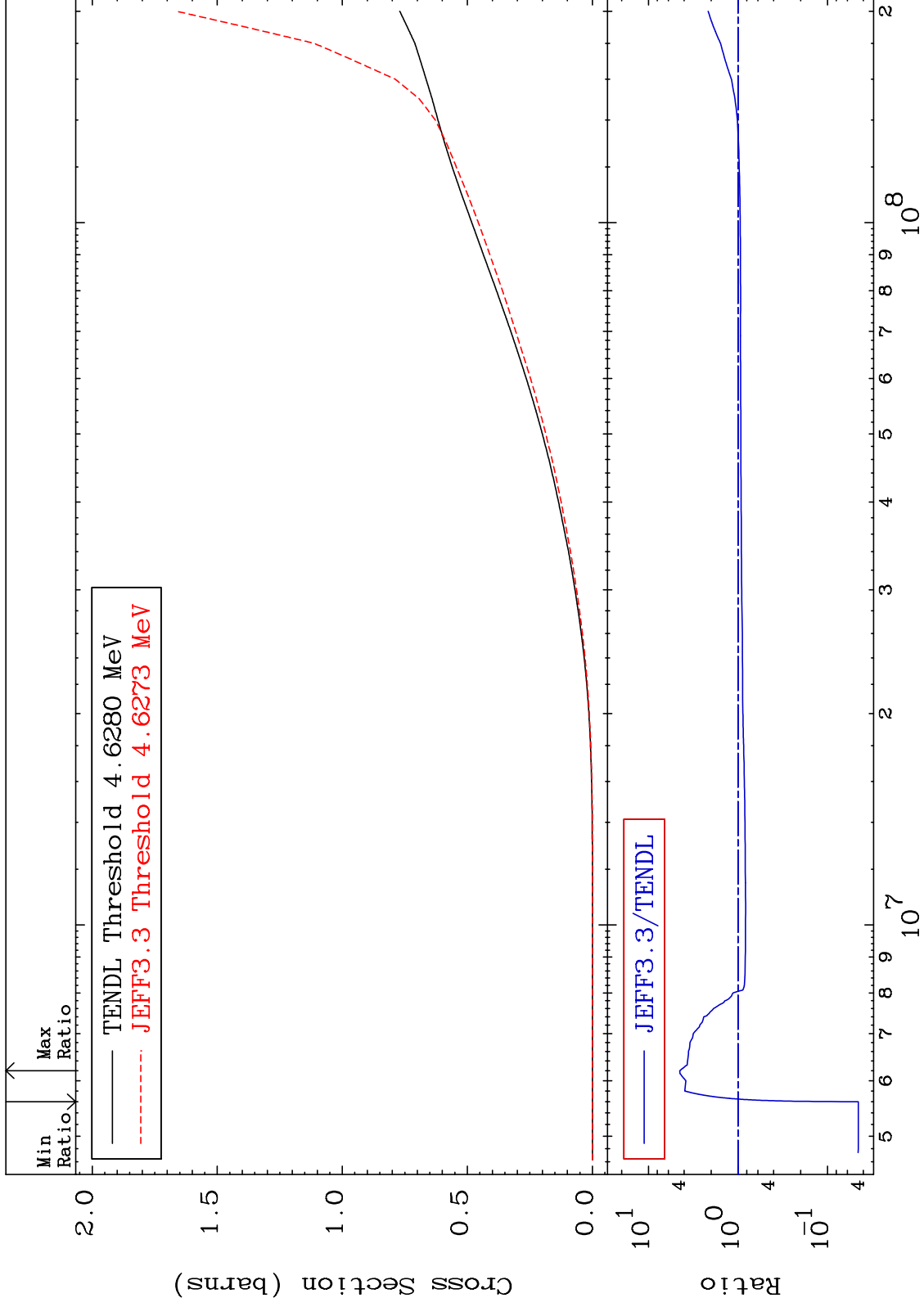
-0.773 To 9999. %



MAT 6049

Hydrogen Production
Cross Section

60-Nd-150
-95.47 To 347.2 %



60

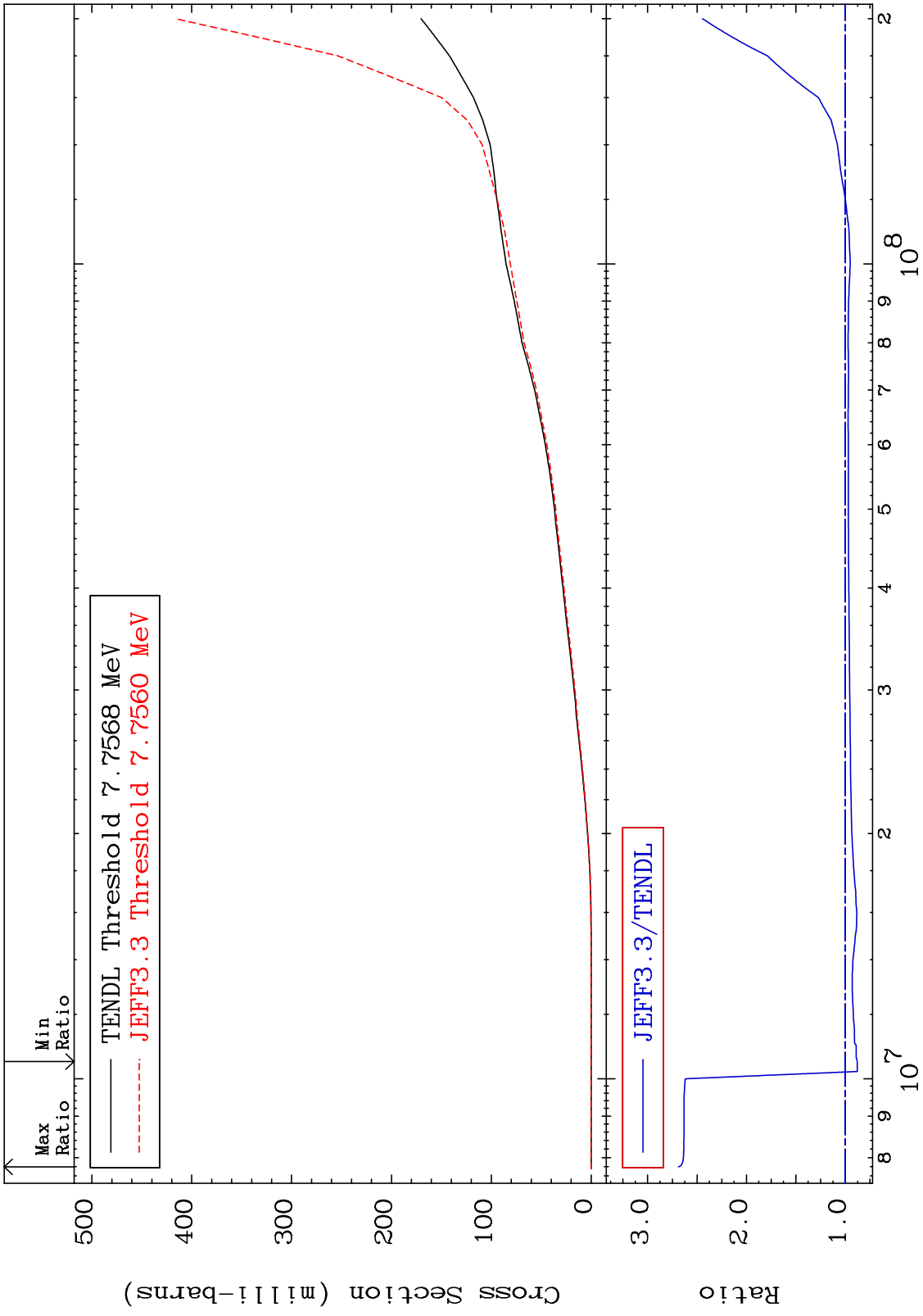
Incident Energy (eV)

60-Nd-150

MAT 6049

Deuterium Production
Cross Section

60-Nd-150
-12.19 To 168.6 %



61

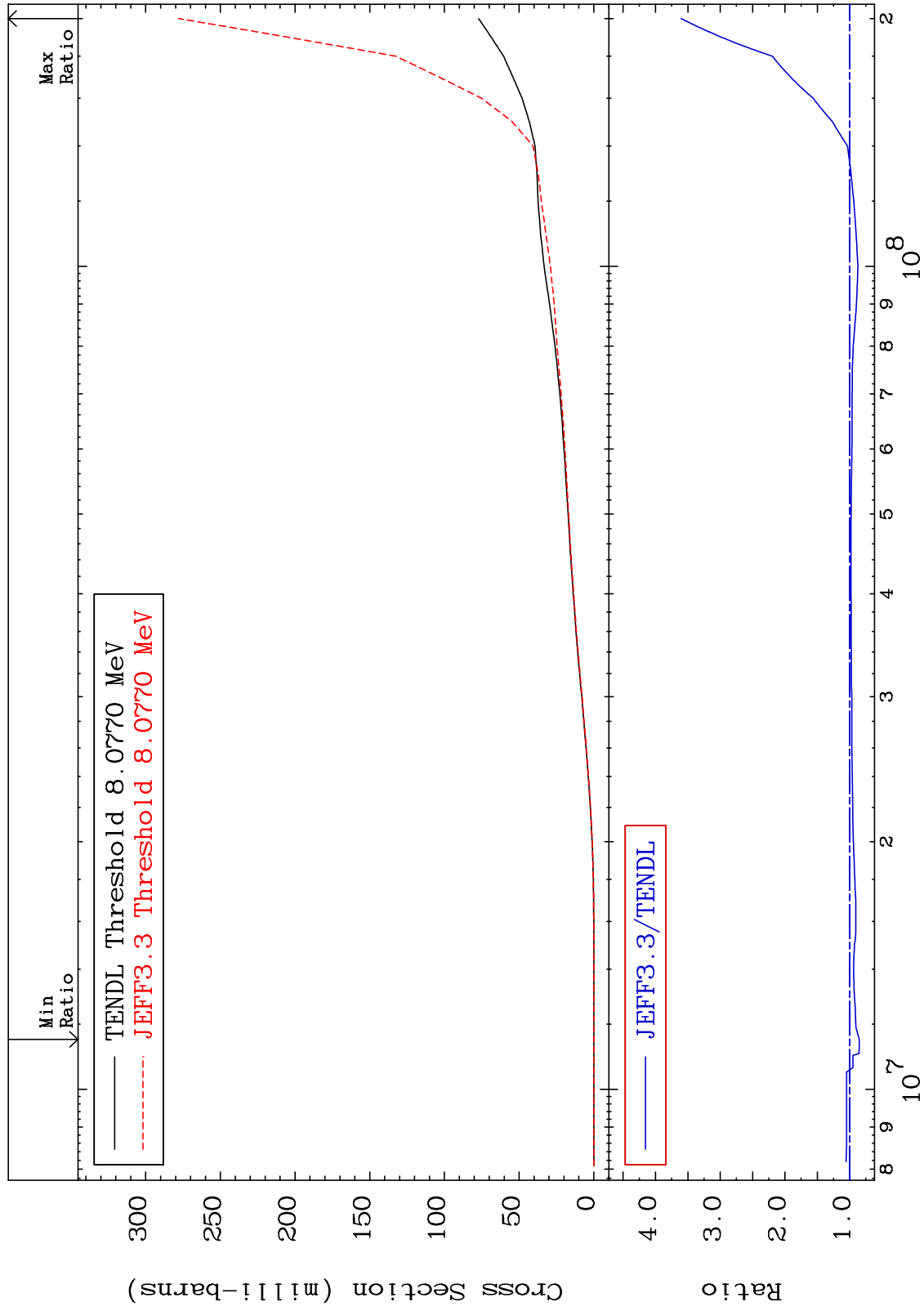
Incident Energy (eV)

60-Nd-150

MAT 6049

Tritium Production
Cross Section

60-Nd-150
-14.82 To 260.5 %



62

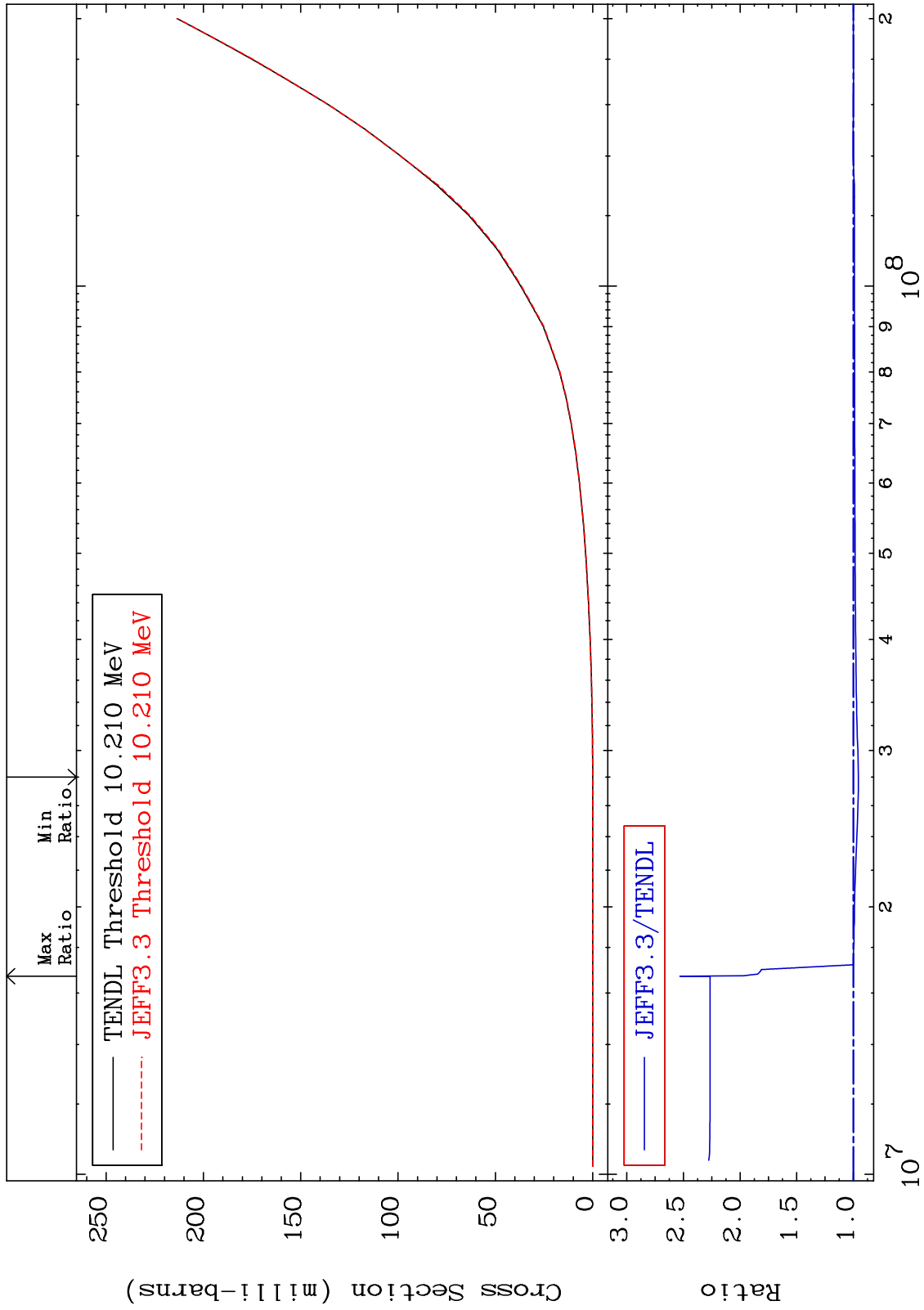
Incident Energy (eV)

60-Nd-150

MAT 6049

He-3 Production
Cross Section

60-Nd-150
-4.470 To 153.0 %



63

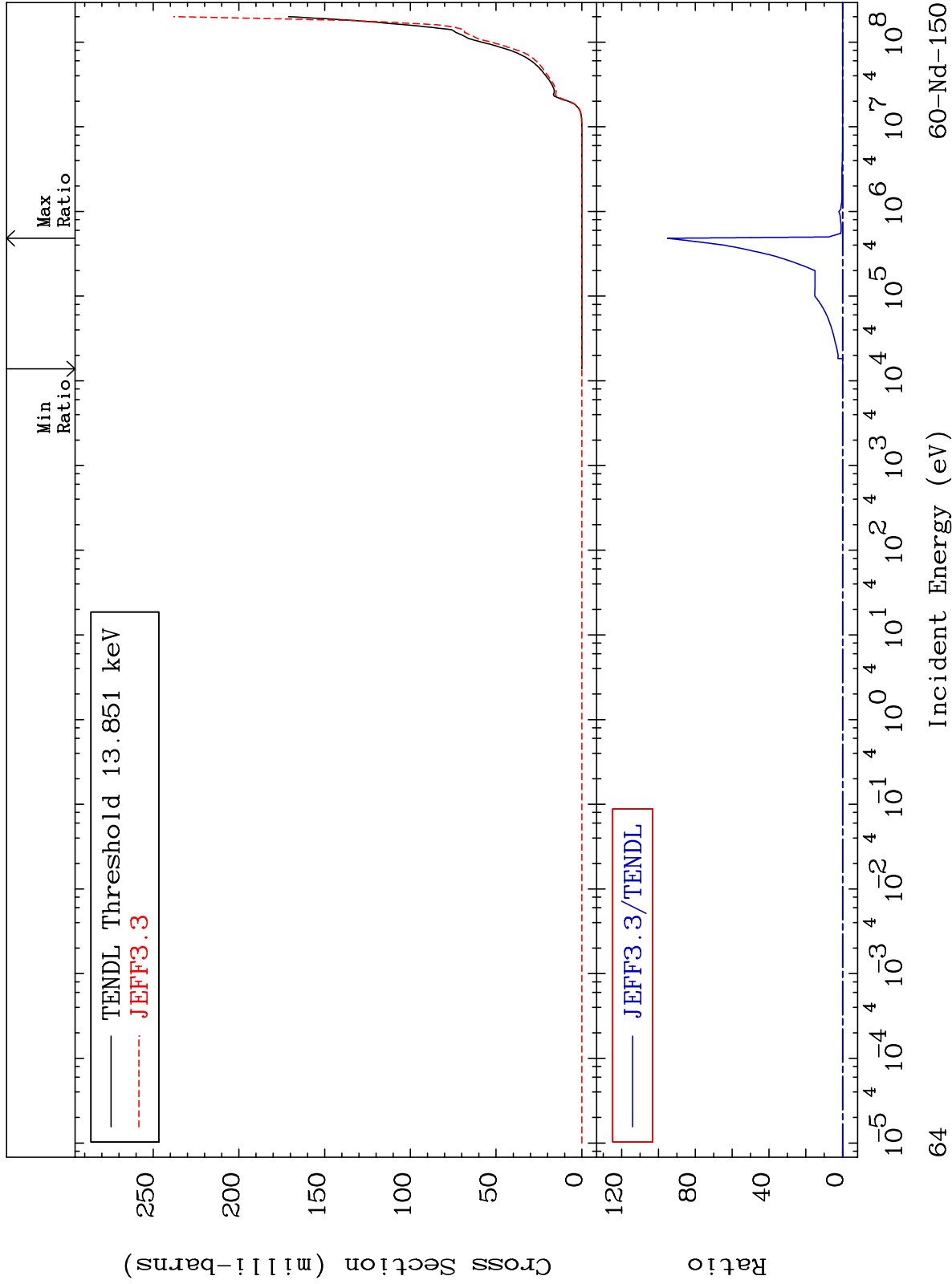
Incident Energy (eV)

60-Nd-150

MAT 6049

He-4 Production
Cross Section

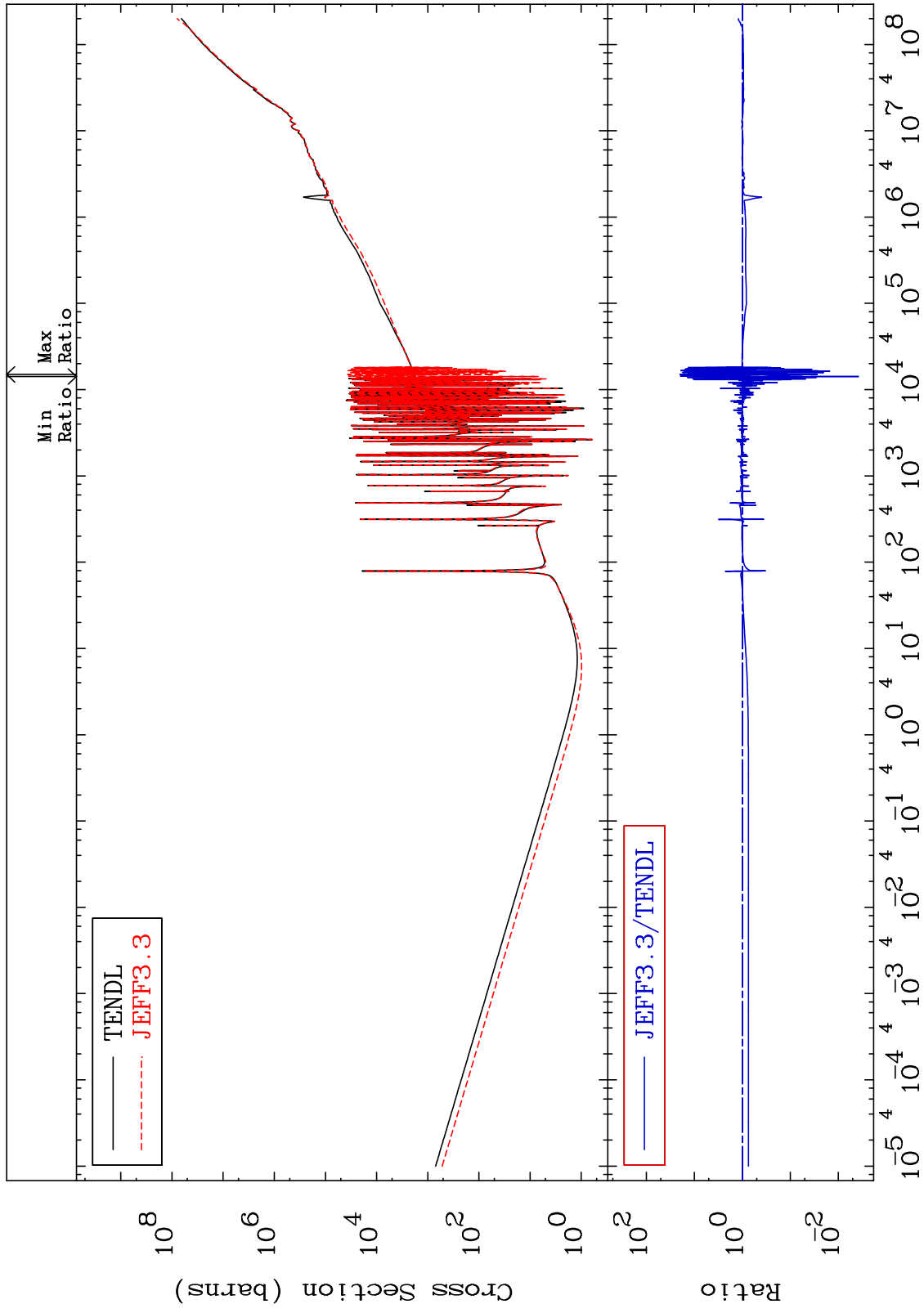
60-Nd-150
-100.0 To 9999. %



MAT 6049

Kerma total (eV-barns)
Cross Section

60-Nd-150
-99.62 To 1885. %



65

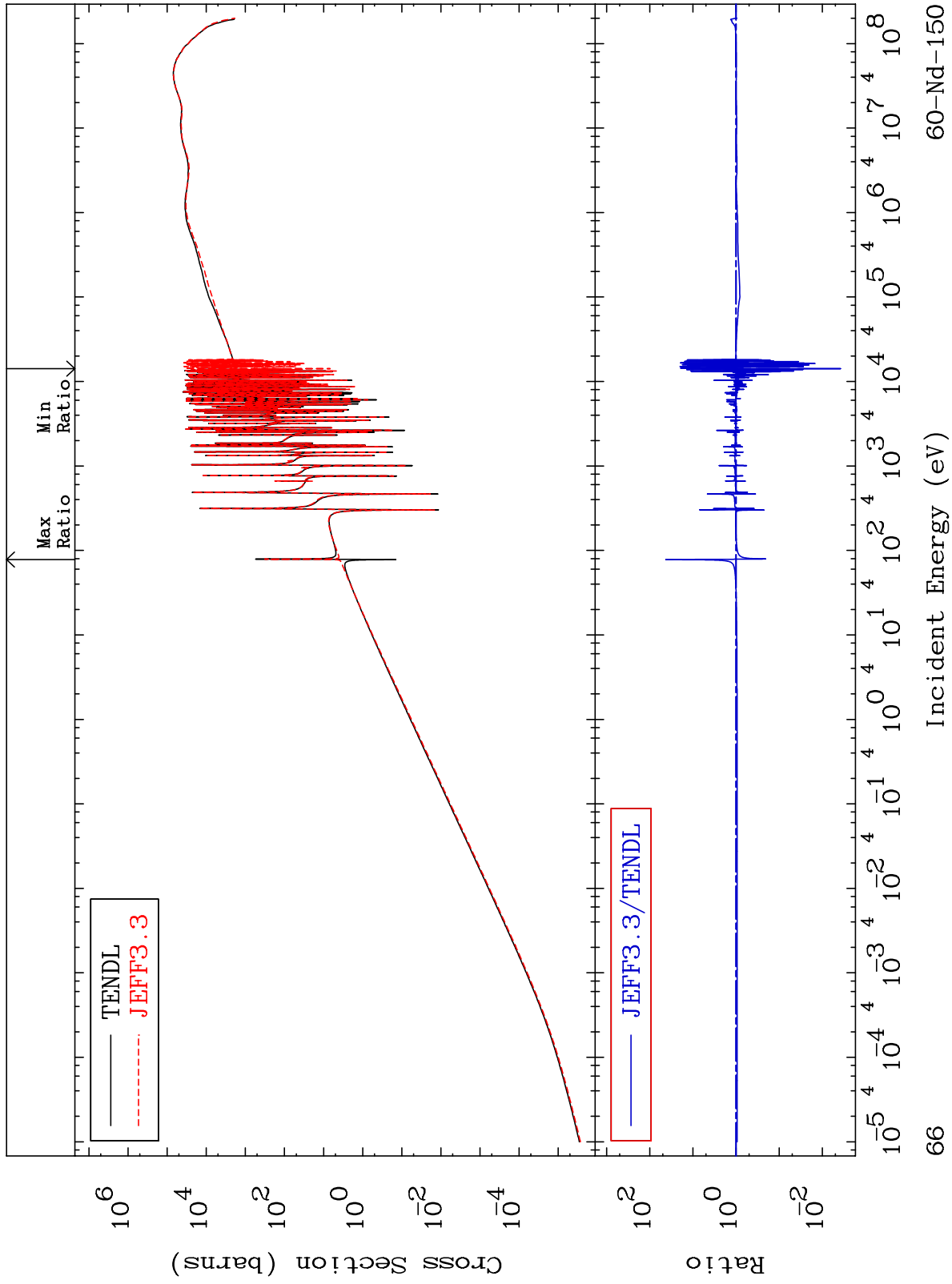
Incident Energy (eV)

60-Nd-150

MAT 6049

Kerma elastic
Cross Section

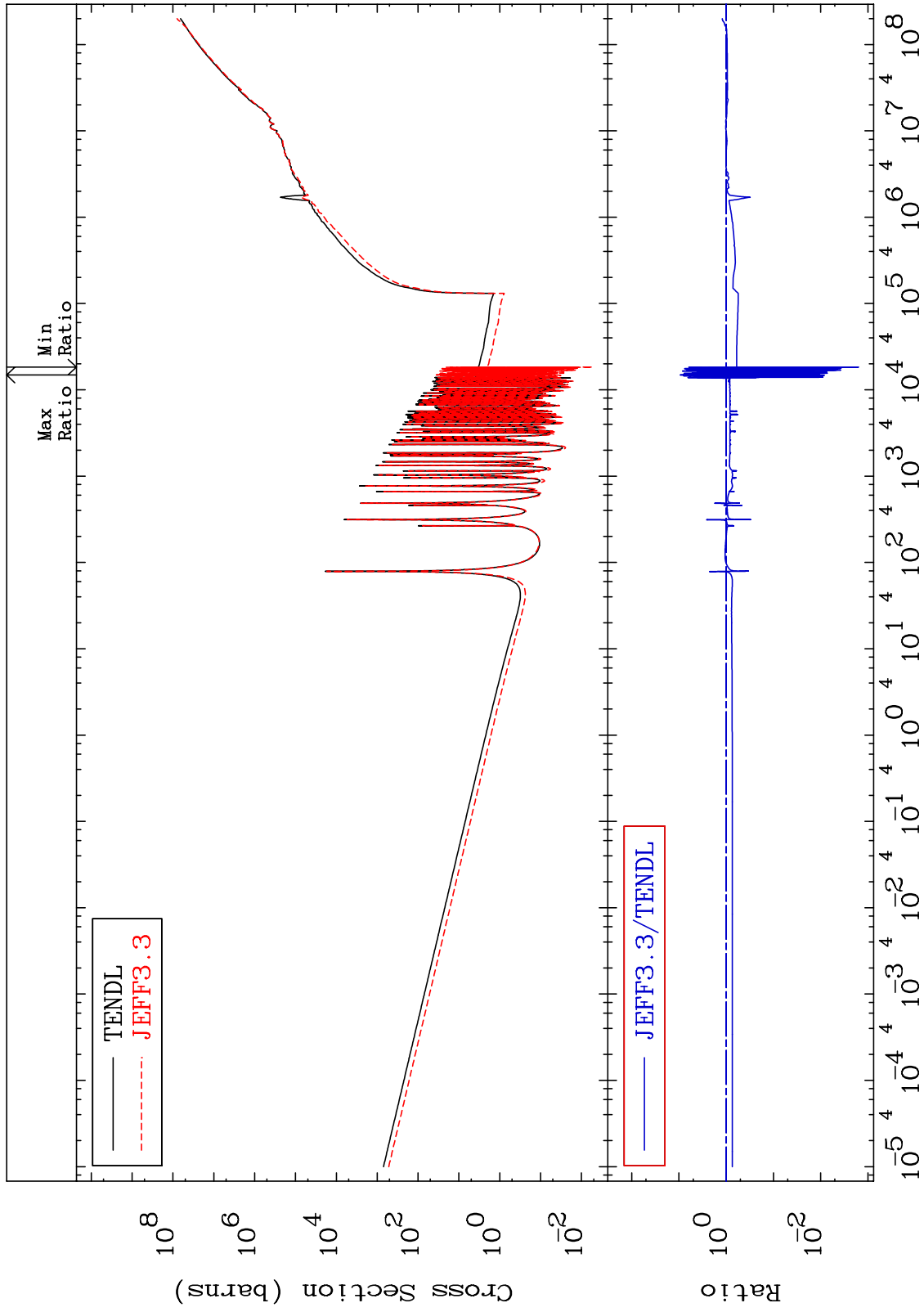
60-Nd-150
-99.62 To 4148. %



MAT 6049

Kerma non-elastic (all but mt2)
Cross Section

60-Nd-150
-99.84 To 848.4 %



67

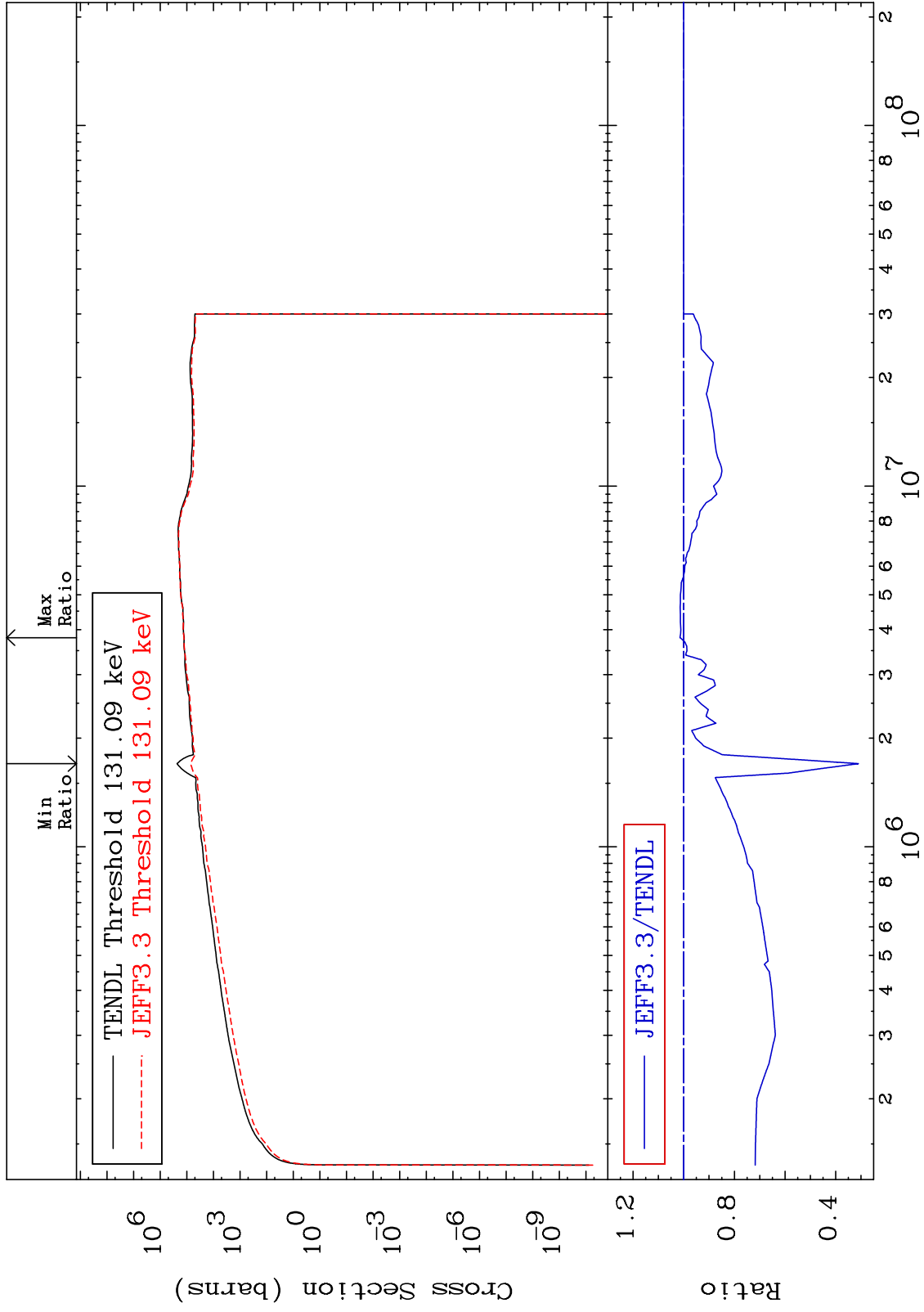
Incident Energy (eV)

60-Nd-150

MAT 6049

Kerma inelastic (mt51-91)
Cross Section

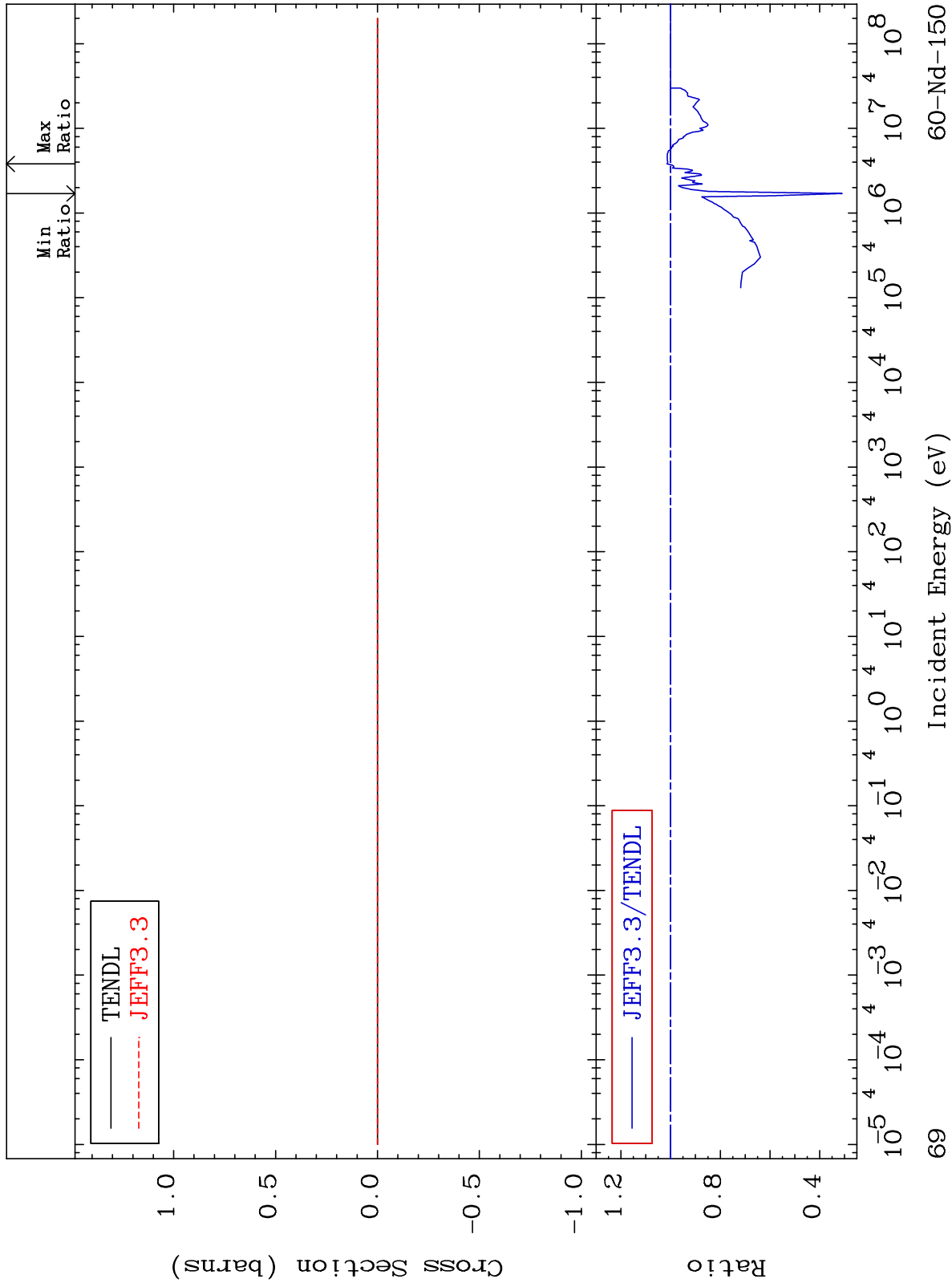
60-Nd-150
-68.95 To 1.466 %



MAT 6049

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

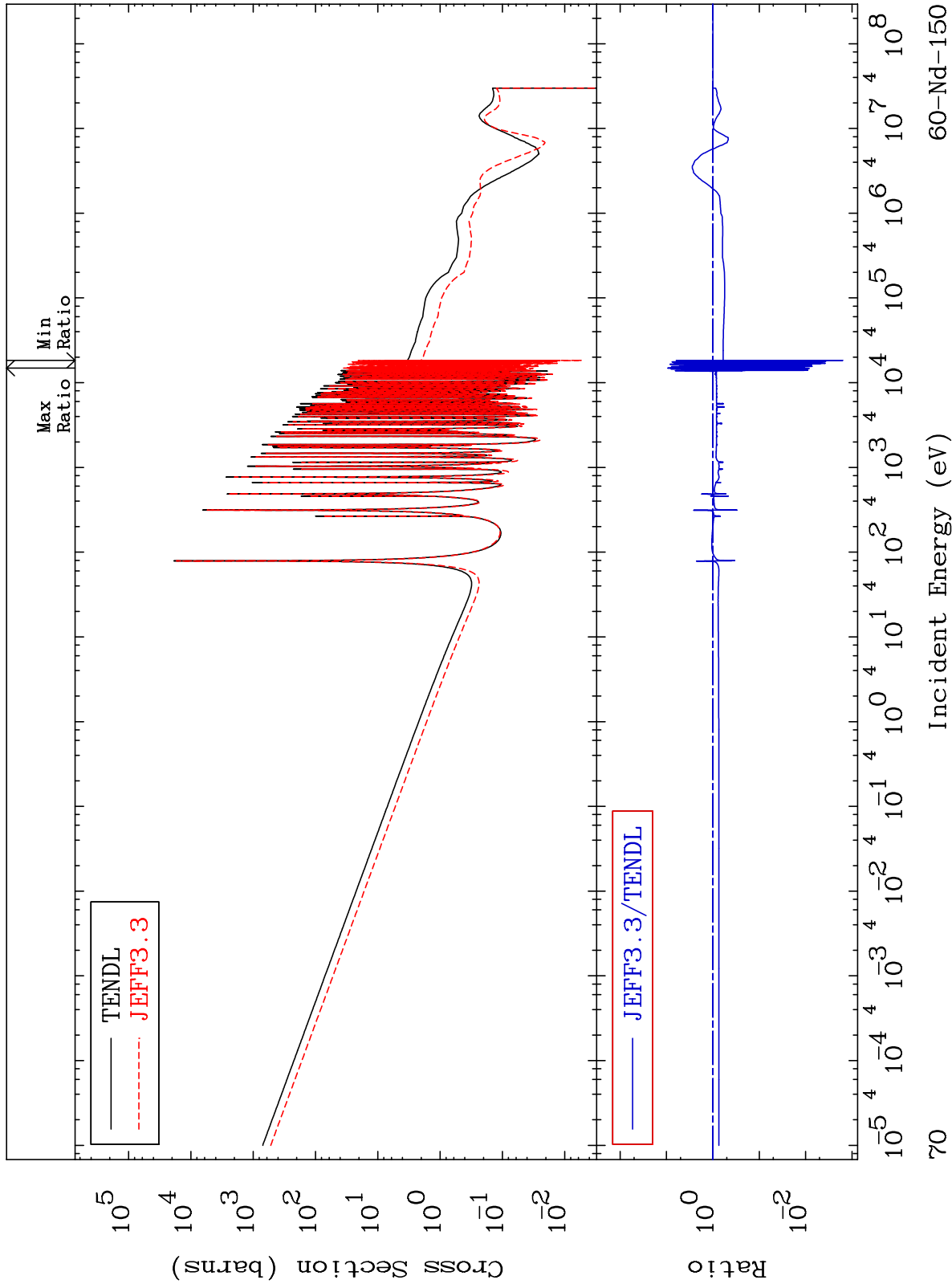
60-Nd-150
-68.95 To 1.466 %



MAT 6049

Kerma capture (mt102)
Cross Section

60-Nd-150
-99.84 To 848.4 %



70

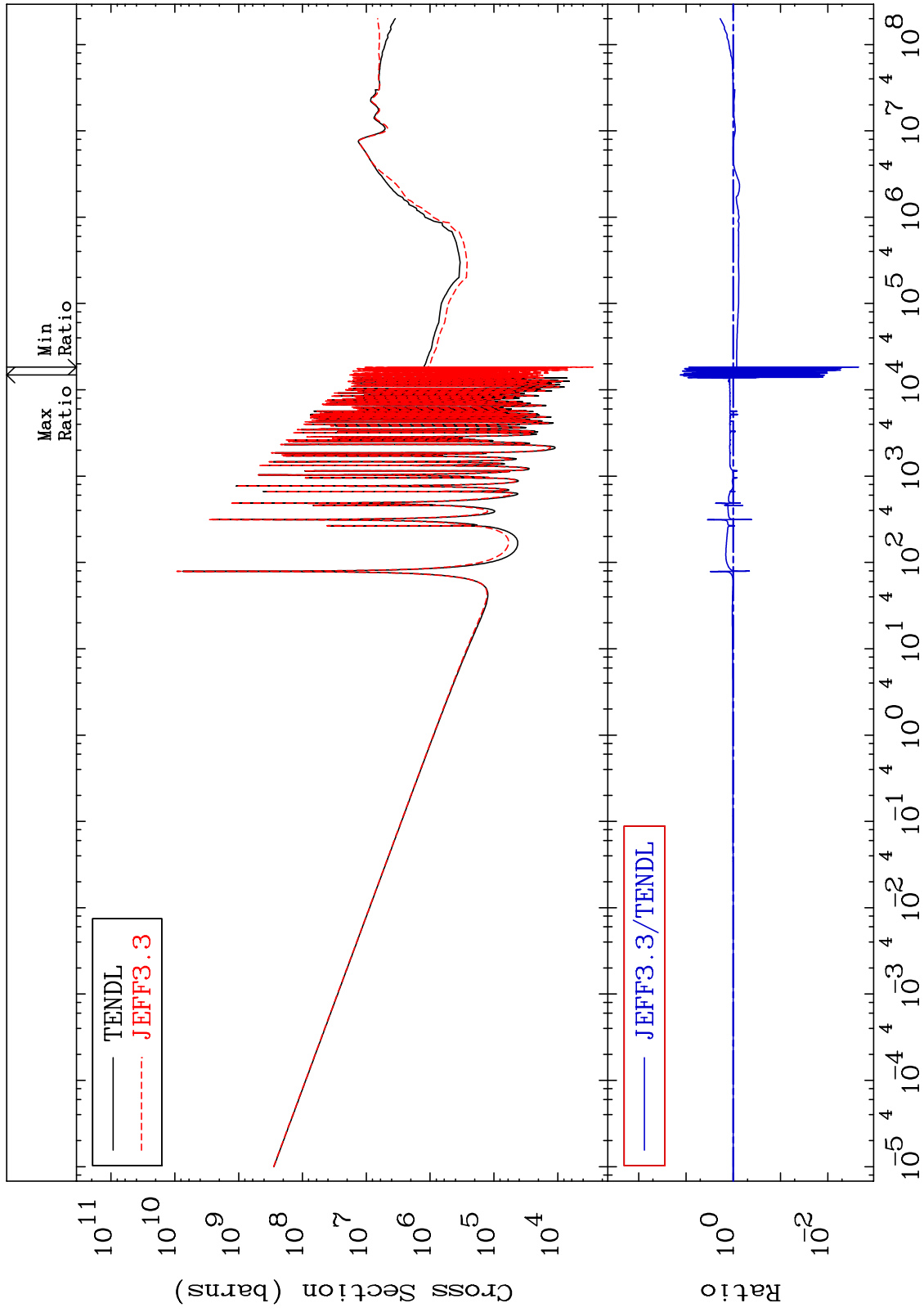
Incident Energy (eV)

60-Nd-150

MAT 6049

Total photon (eV-barns)
Cross Section

60-Nd-150
-99.78 To 1239. %



71

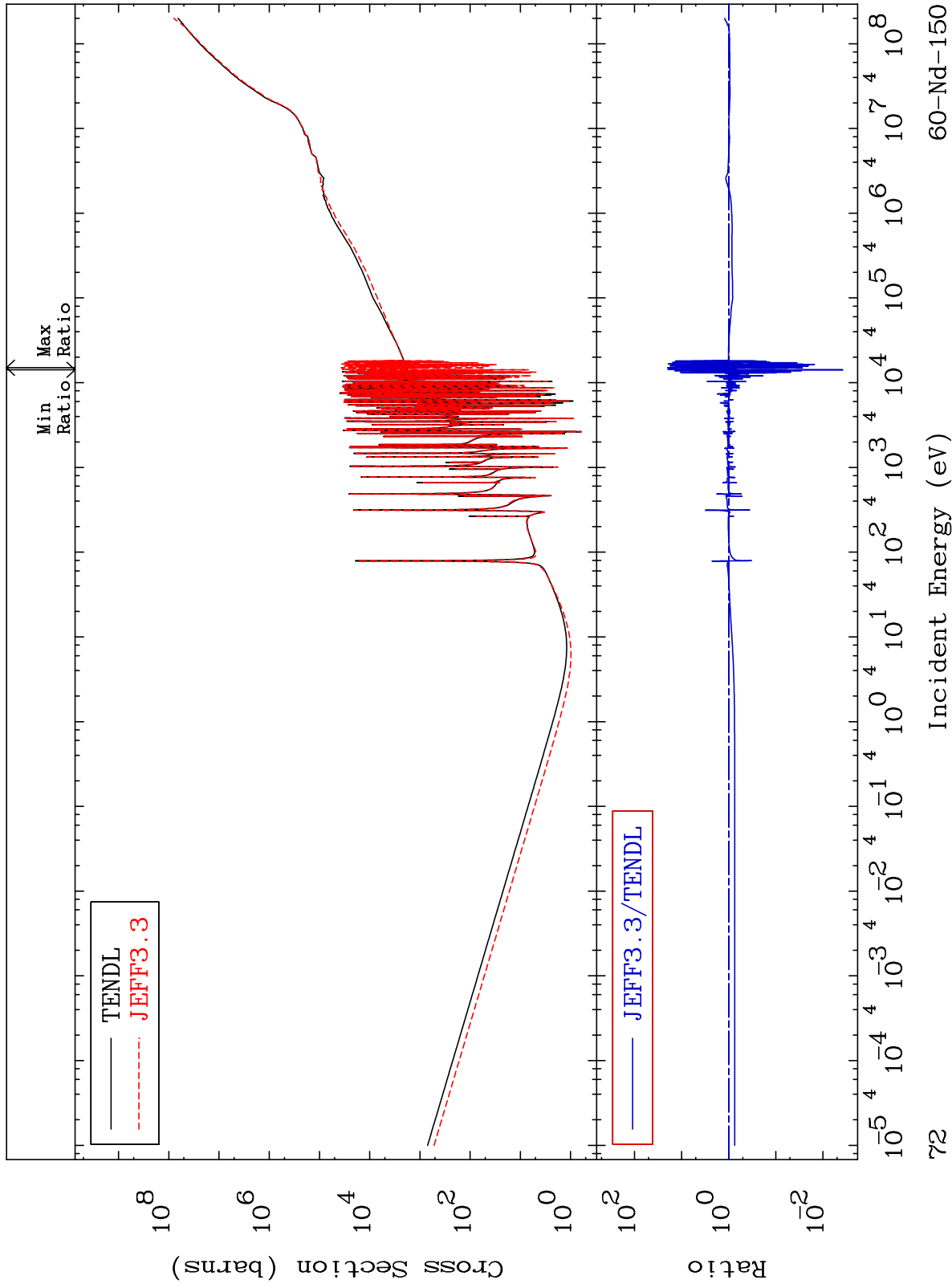
Incident Energy (eV)

60-Nd-150

MAT 6049

Total kinematic kerma (high limit)
Cross Section

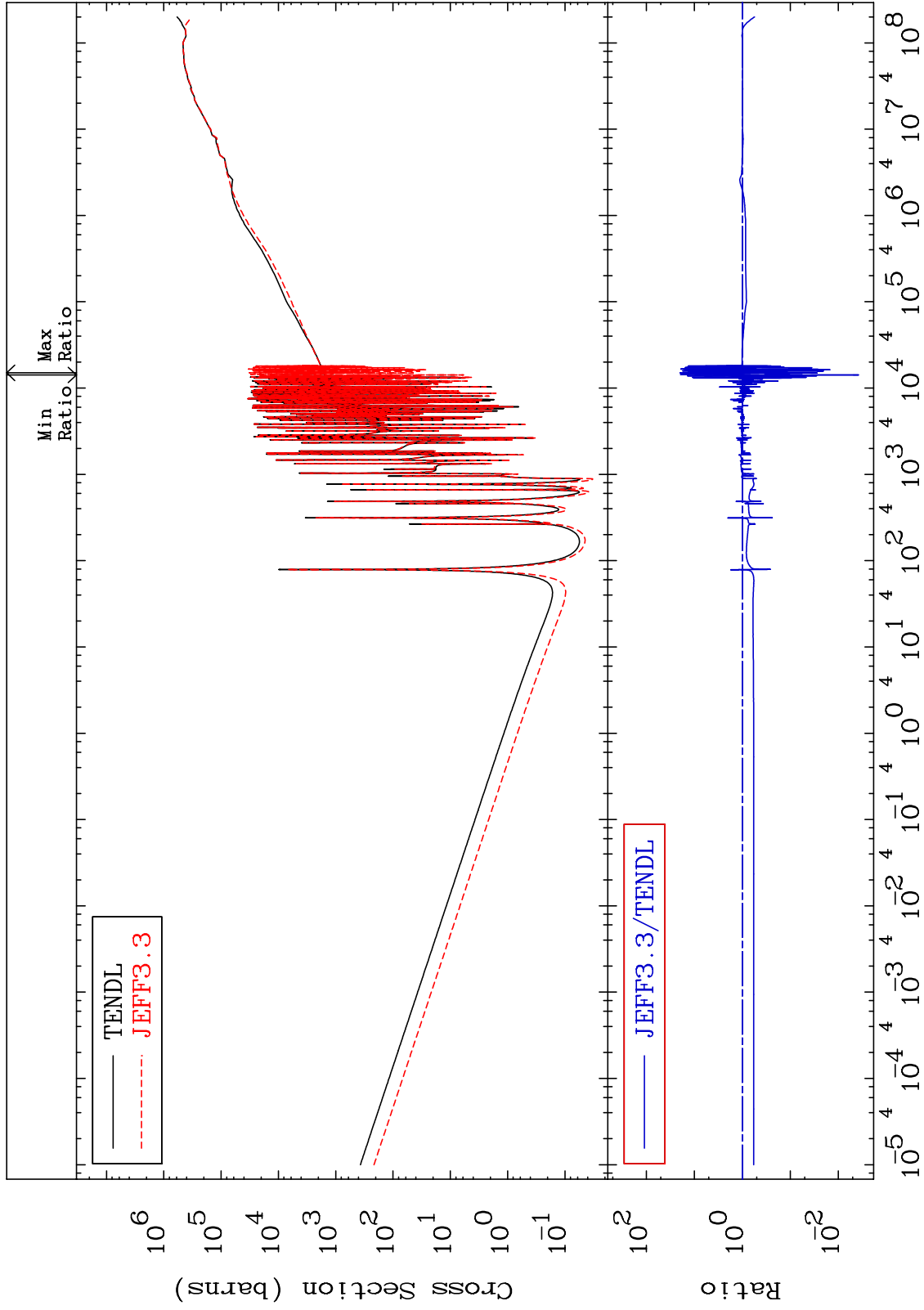
60-Nd-150
-99.62 To 1885. %



MAT 6049

Dpa total (eV-barns)
Cross Section

60-Nd-150
-99.62 To 1887. %



73

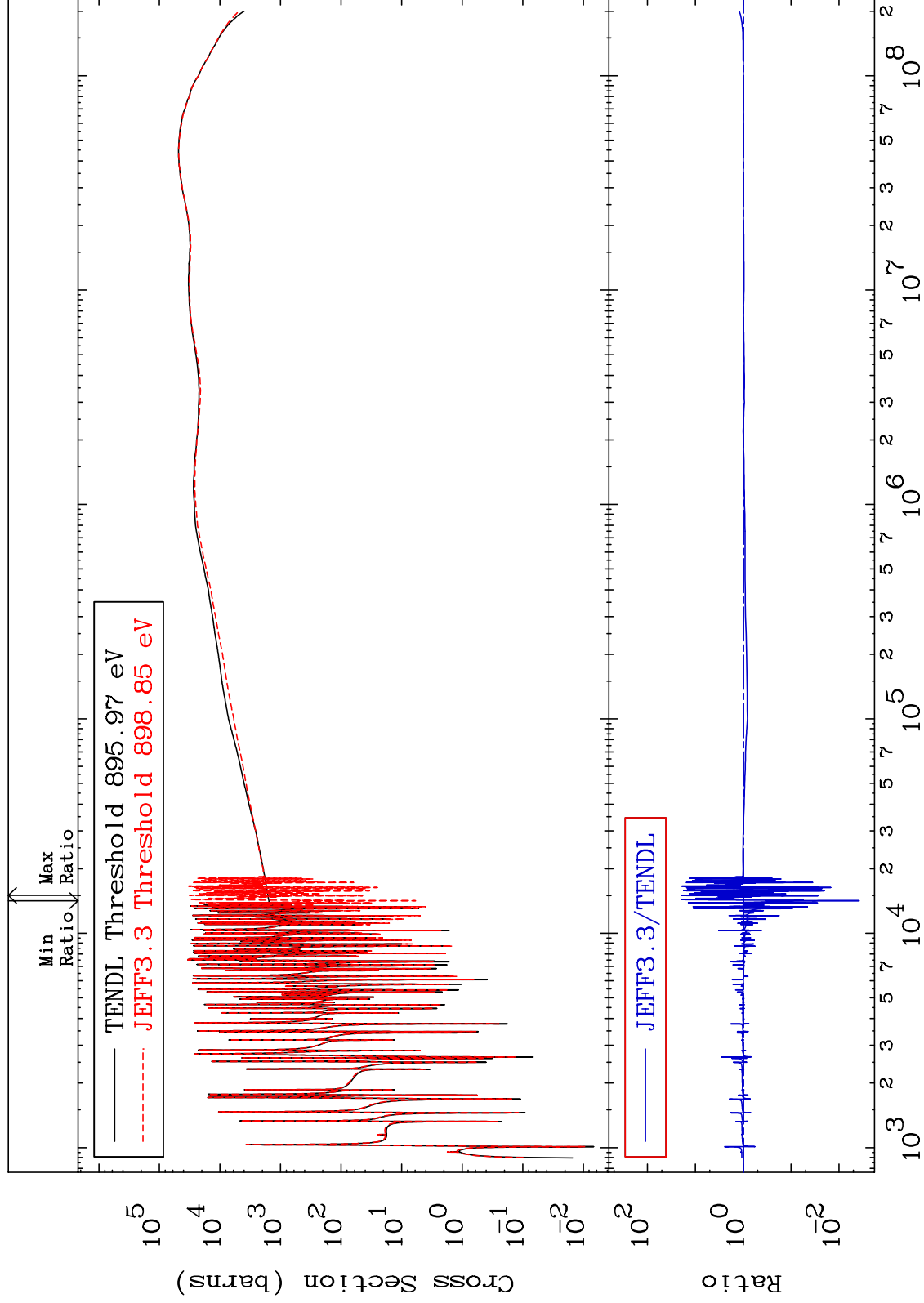
Incident Energy (eV)

60-Nd-150

MAT 6049

Dpa elastic (mt2)
Cross Section

60-Nd-150
-99.62 To 1889. %



74

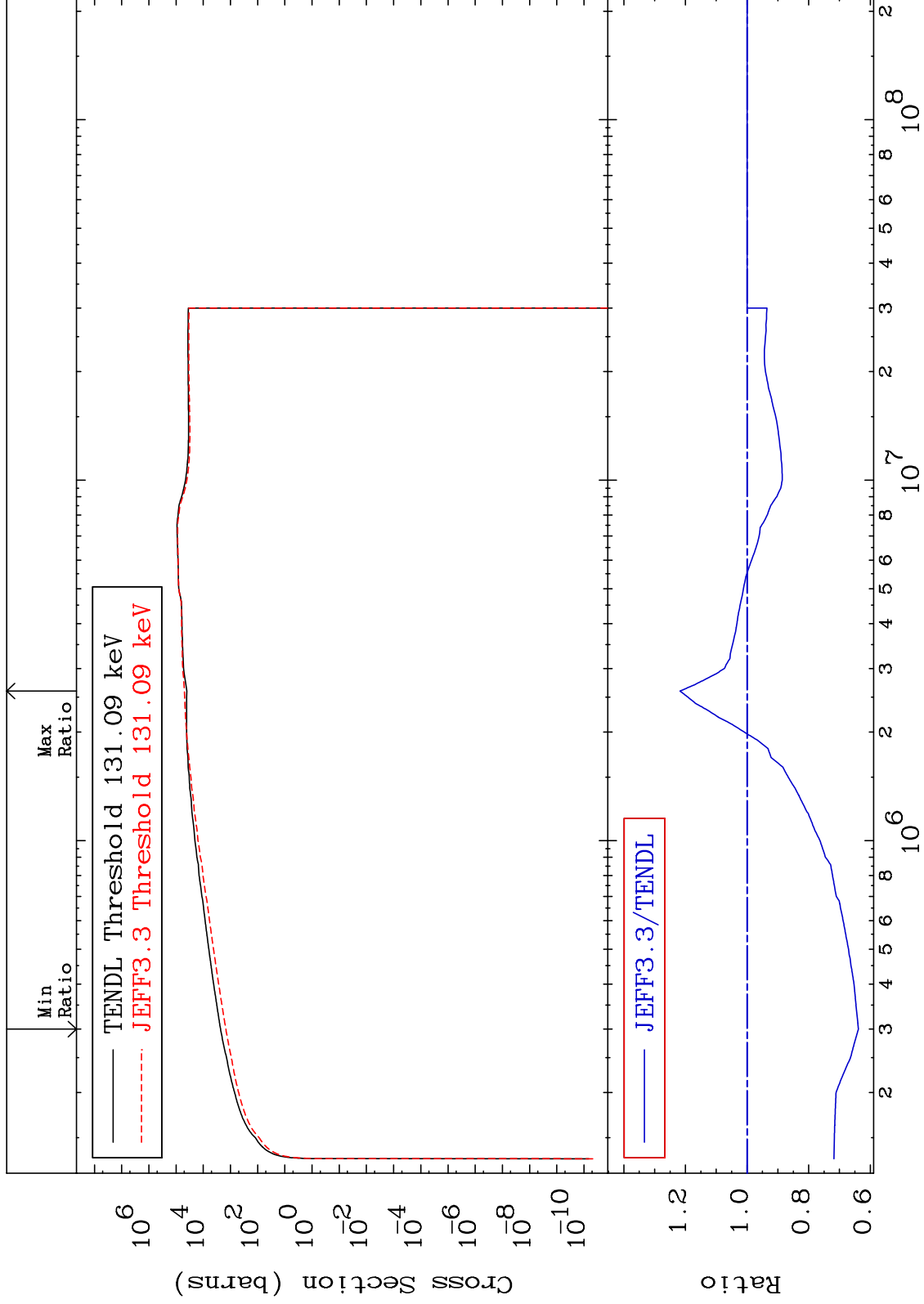
60-Nd-150

60-Nd-150

MAT 6049

Dpa inelastic (mt51-91)
Cross Section

60-Nd-150
-36.14 To 21.77 %



75

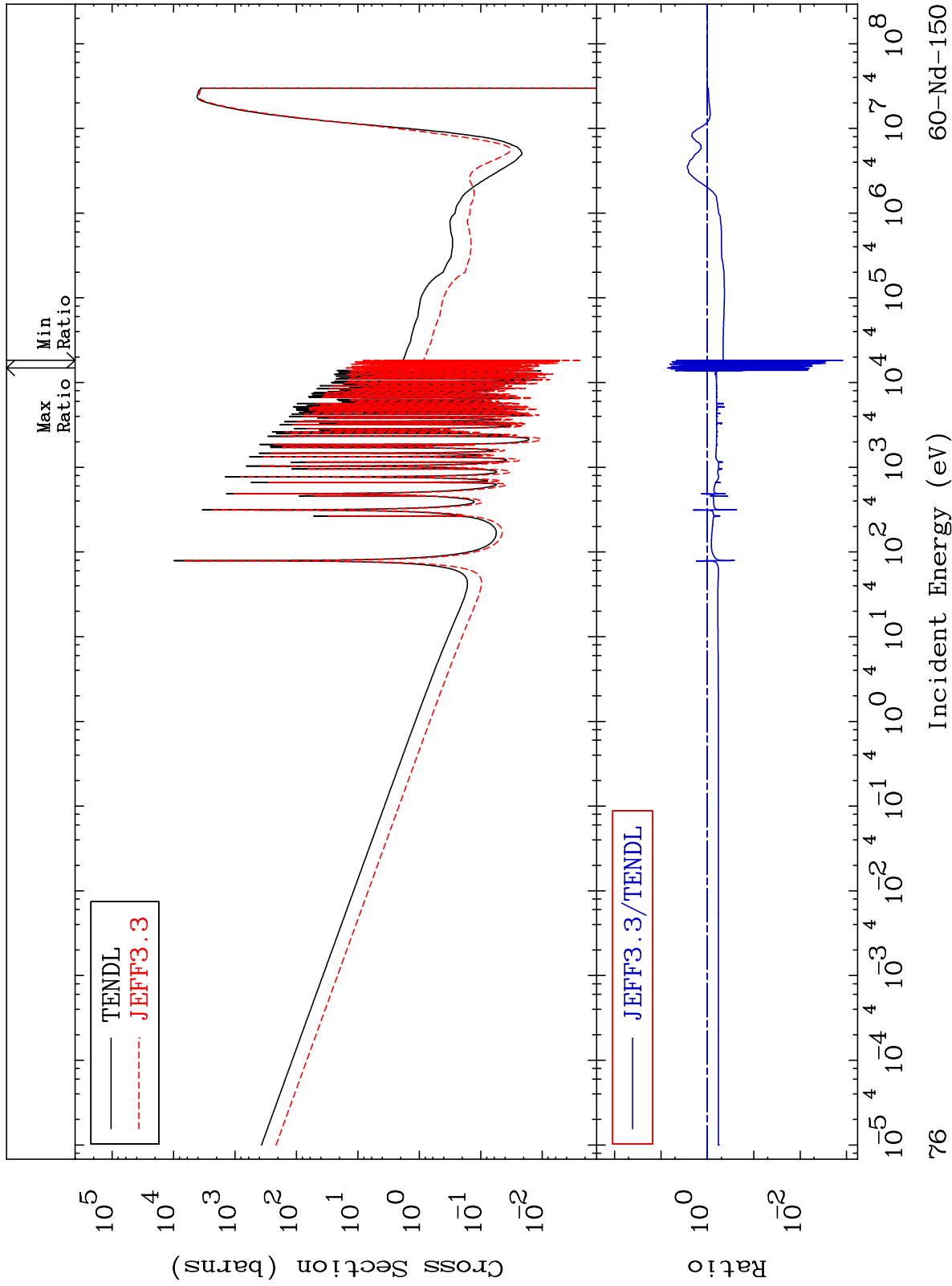
Incident Energy (eV)

60-Nd-150

MAT 6049

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-150
-99.88 To 623.2 %

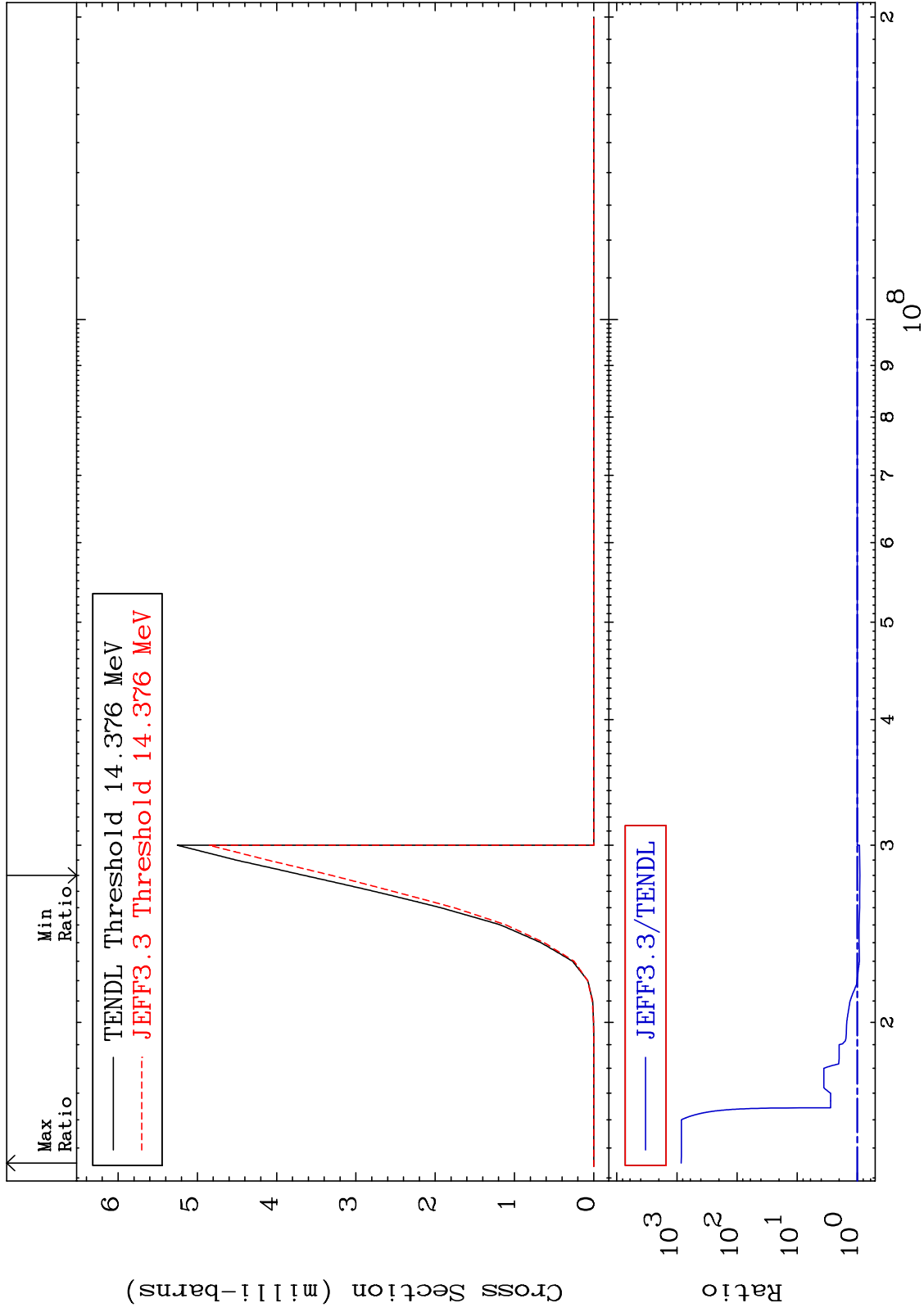


MAT 6049

(n, n') d:59-Pr-148g

60-Nd-150

Radionuclide Production Cross Section -9.486 To 9999. %

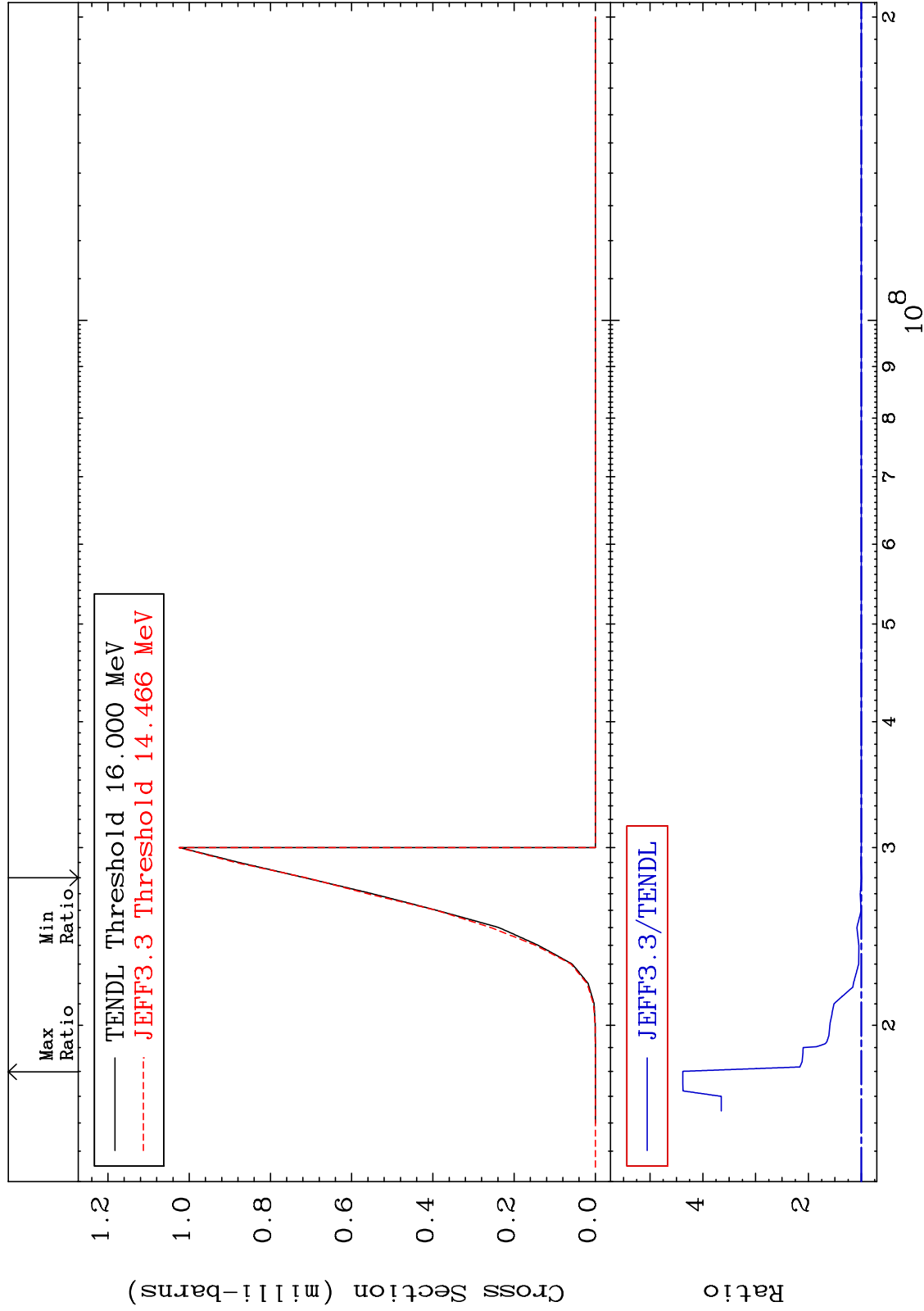


MAT 6049

(n, n') d:59-Pr-148m1

60-Nd-150

Radionuclide Production Cross Section -0.449 To 337.7 %



78

Incident Energy (eV)

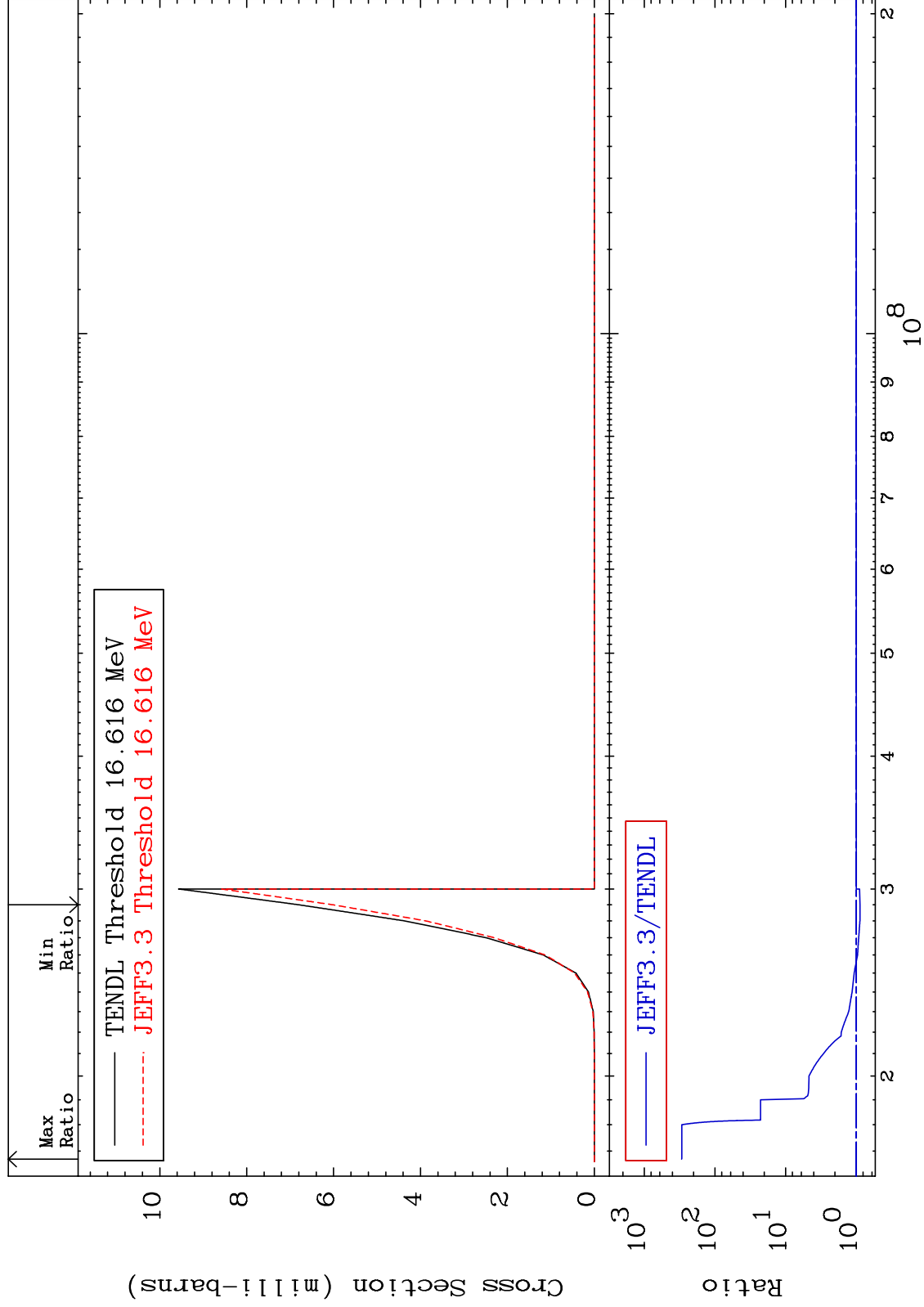
60-Nd-150

MAT 6049

(n,2n) p:59-Pr-148g

60-Nd-150

Radionuclide Production Cross Section -11.49 To 9999. %



79

Incident Energy (eV)

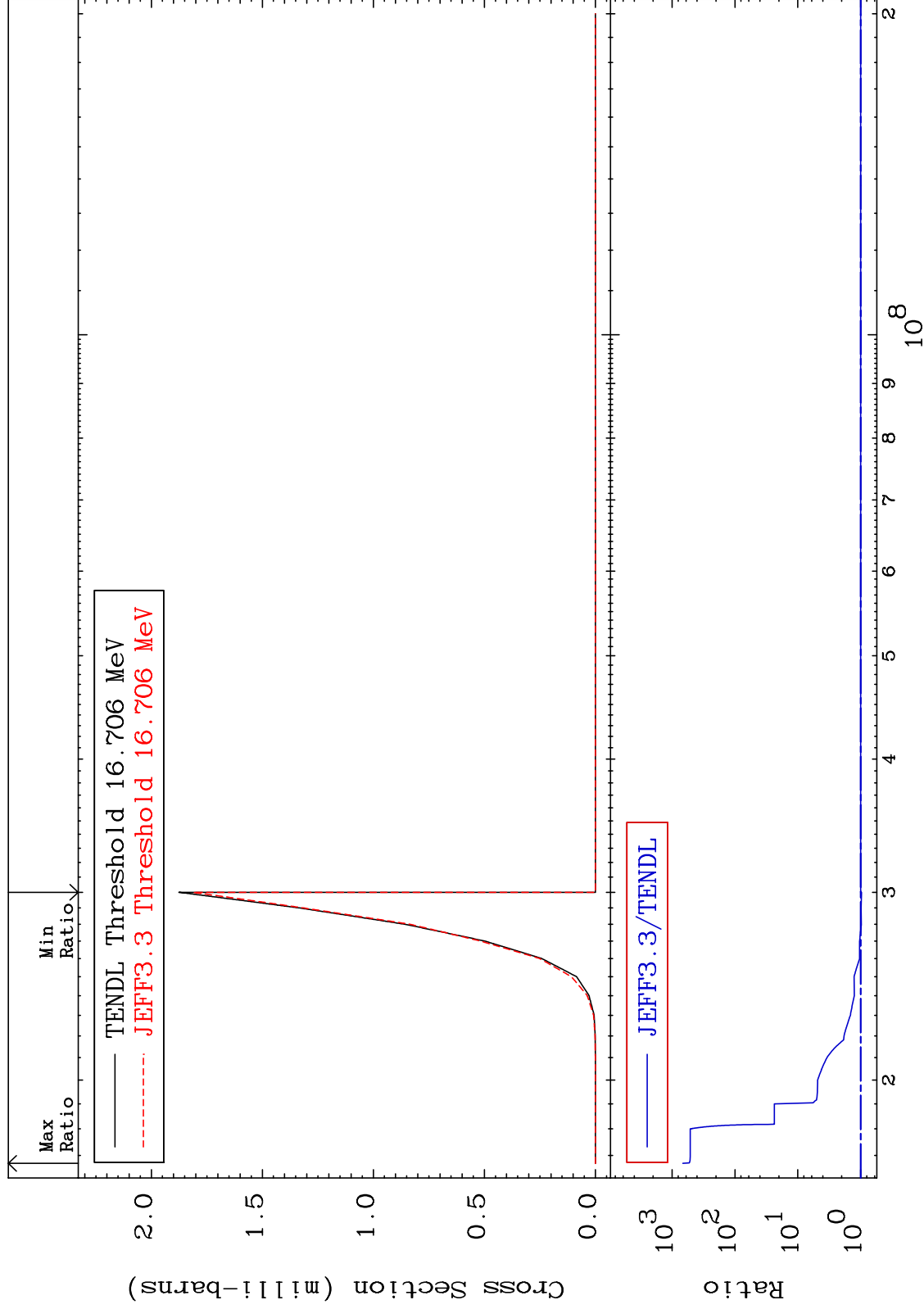
60-Nd-150

MAT 6049

(n,2n) p:59-Pr-148m1

60-Nd-150

Radionuclide Production Cross Section -3.332 To 9999. %



80

Incident Energy (eV)

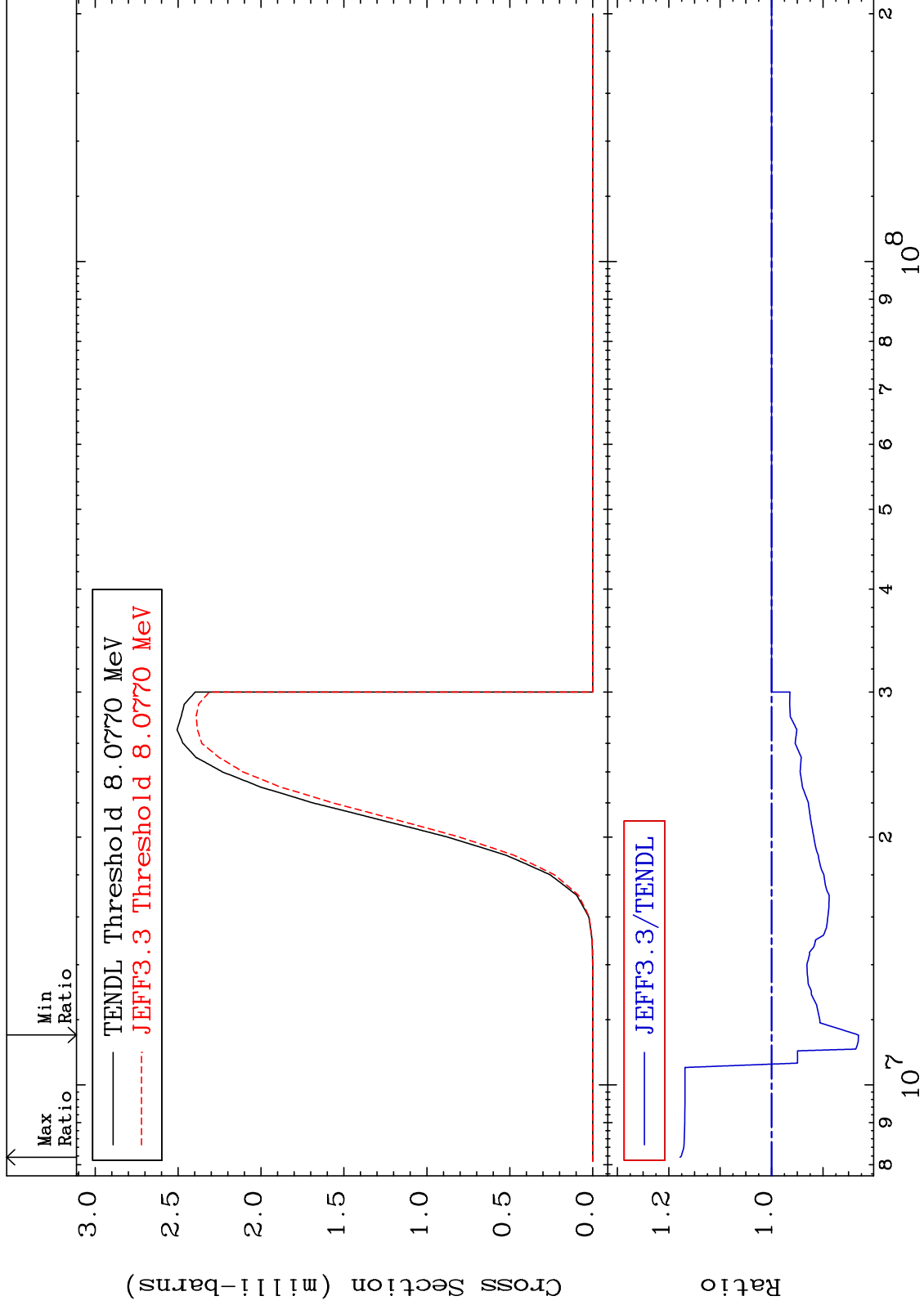
60-Nd-150

MAT 6049

(n, t):59-Pr-148g

60-Nd-150

Radionuclide Production Cross Section -16.90 To 17.82 %

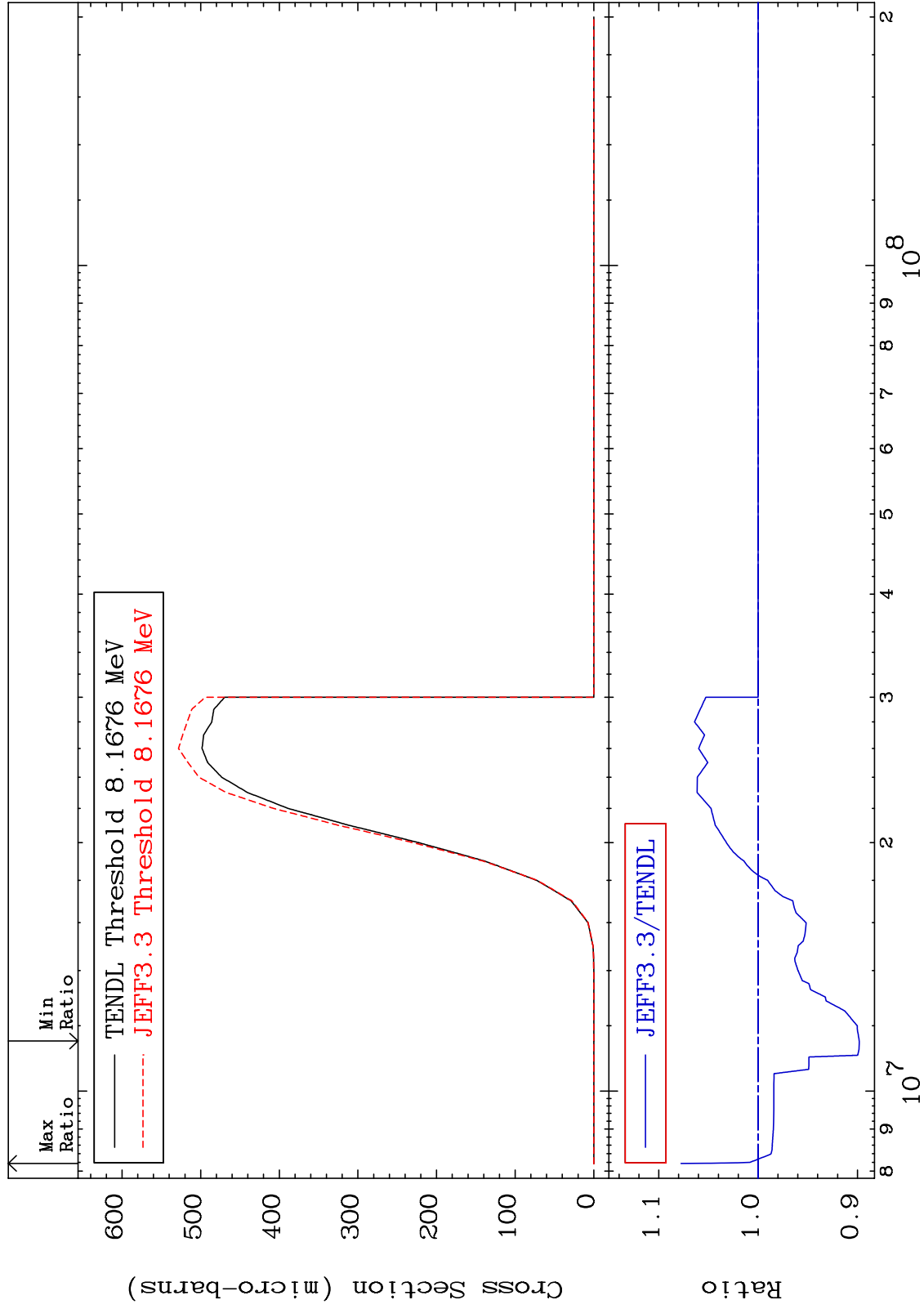


MAT 6049

(n, t) : 59-Pr-148m1

60-Nd-150

Radionuclide Production Cross Section -10.19 To 7.758 %



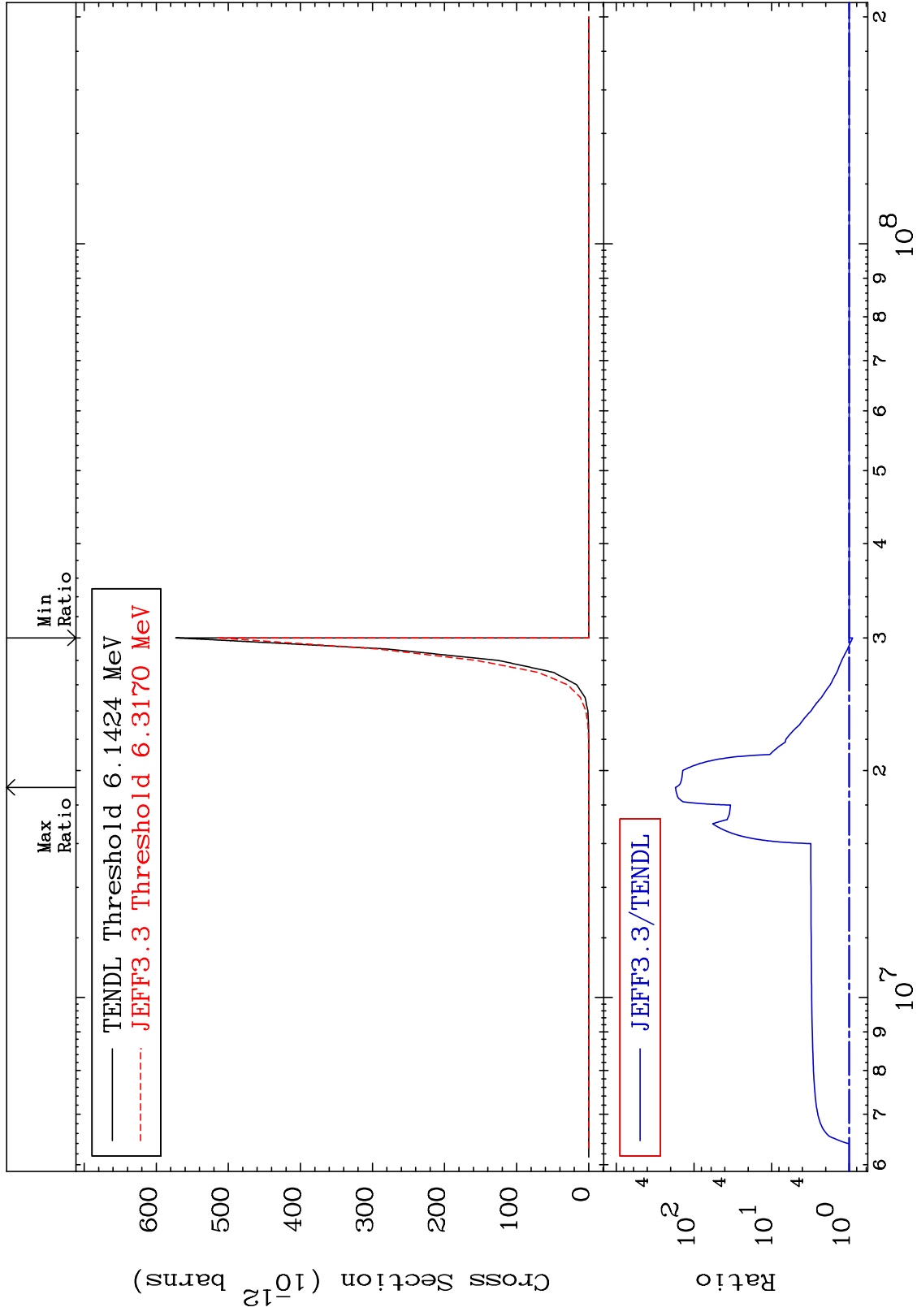
82

Incident Energy (eV)

60-Nd-150

MAT 6049

(n, p) α : 57-La-146g 60-Nd-150
Radionuclide Production Cross Section -9.913 To 9999. %



MAT 6049

(n, p) α :57-La-146m5

60-Nd-150

Radionuclide Production Cross Section -33.74 To 9999. %

