

Program Complot
(Version 2018-1)

by

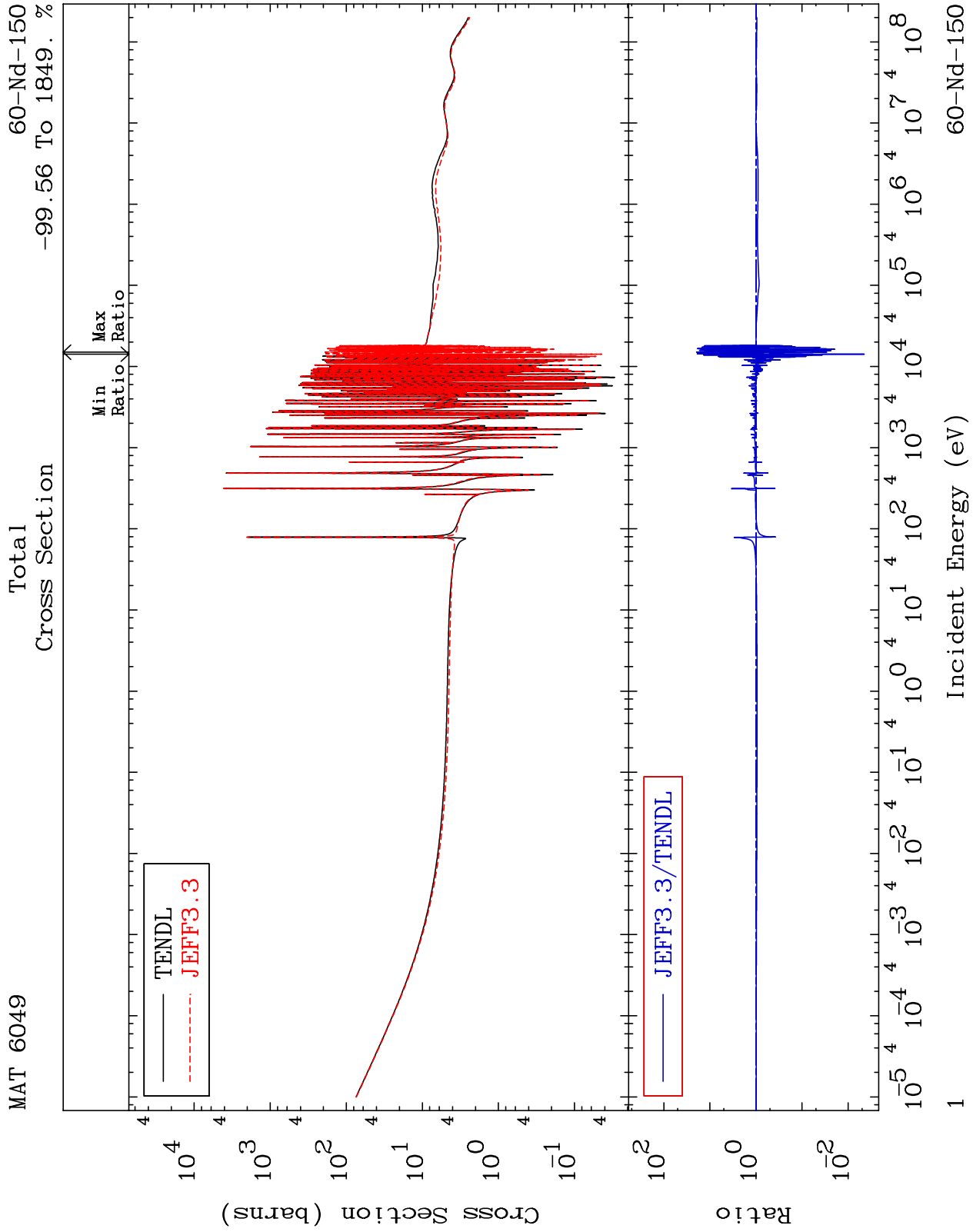
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(Present Contact Information)

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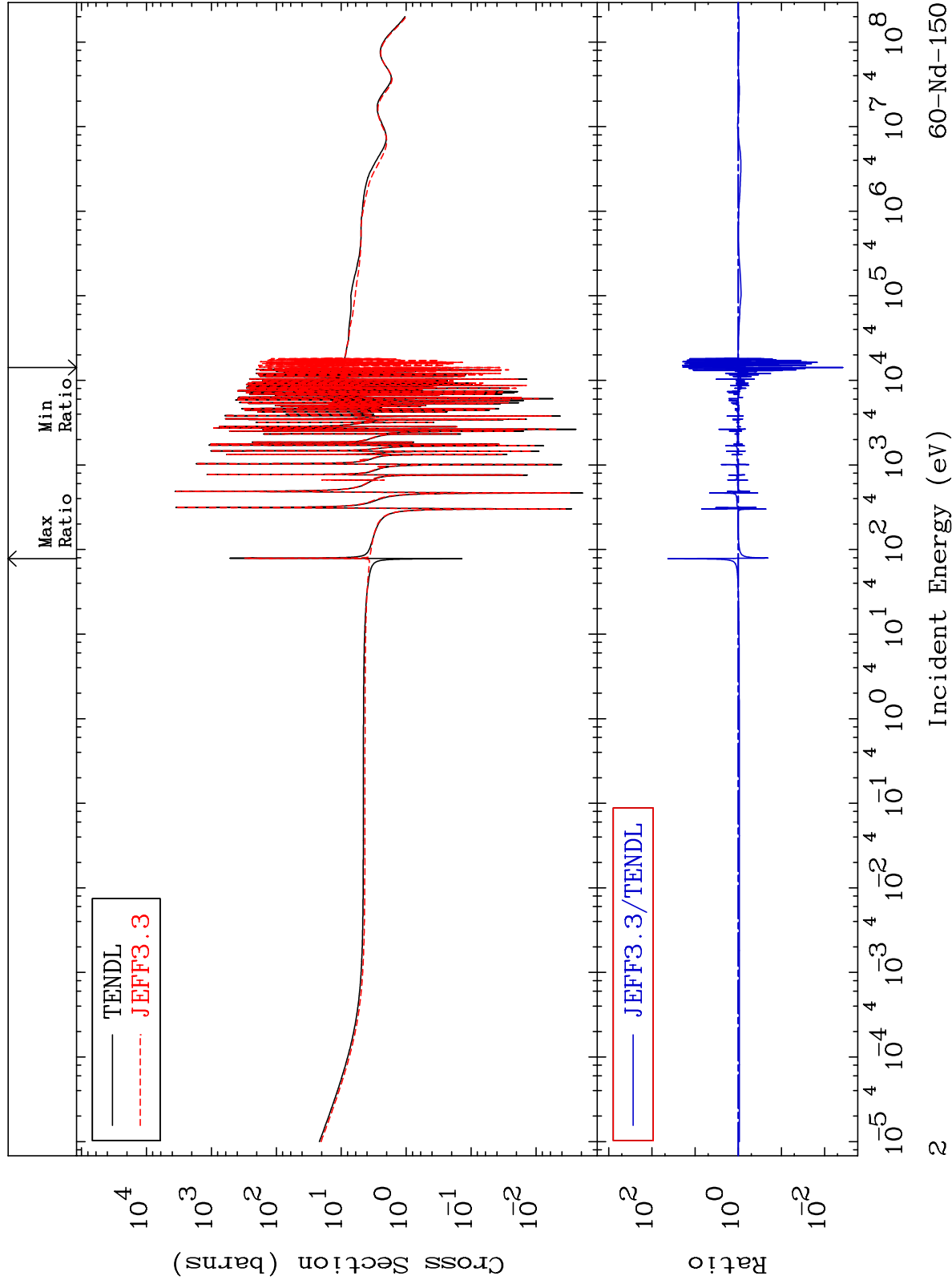
Press Mouse Button to Start

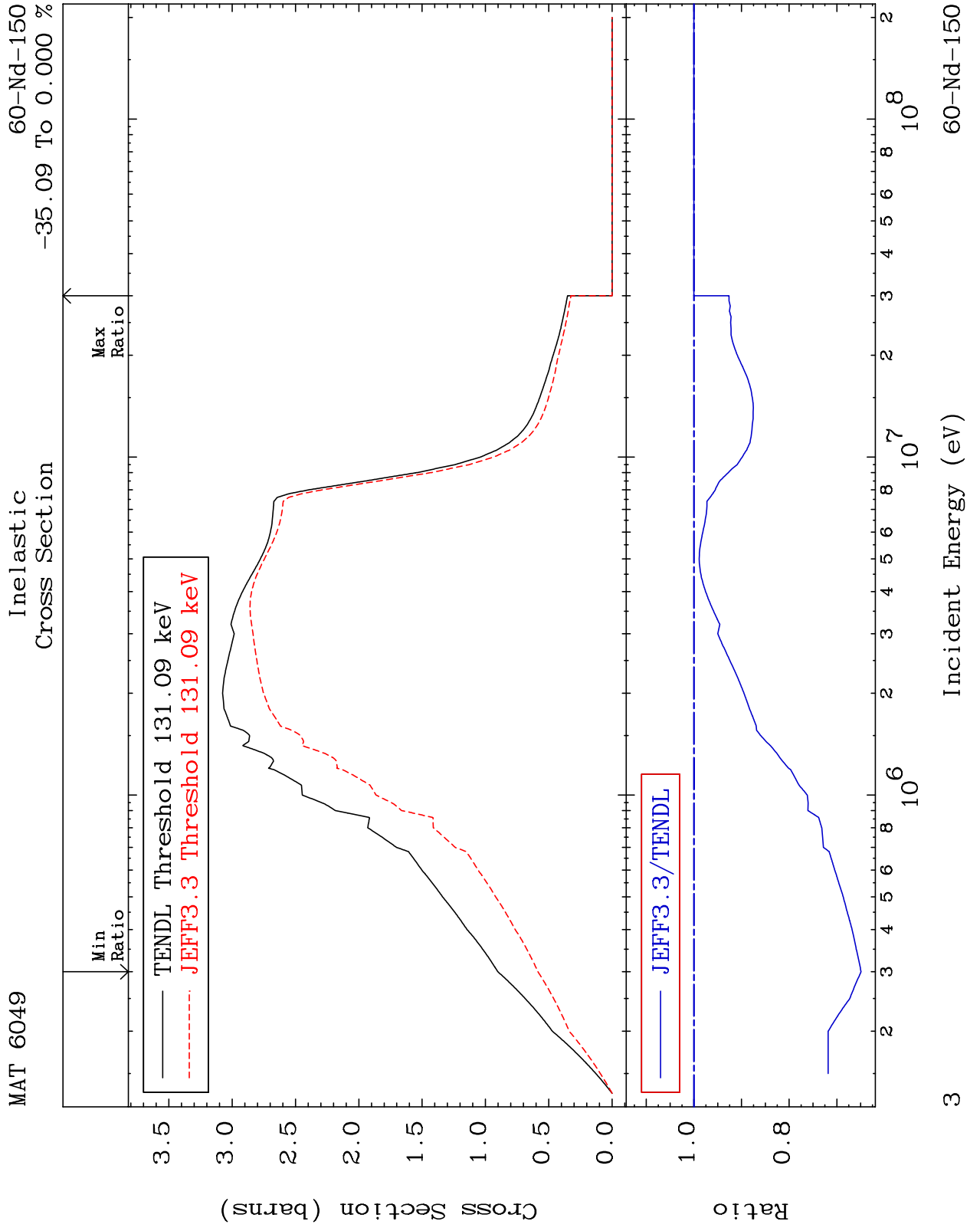


MAT 6049

Elastic
Cross Section

60-Nd-150
-99.62 To 4148. %

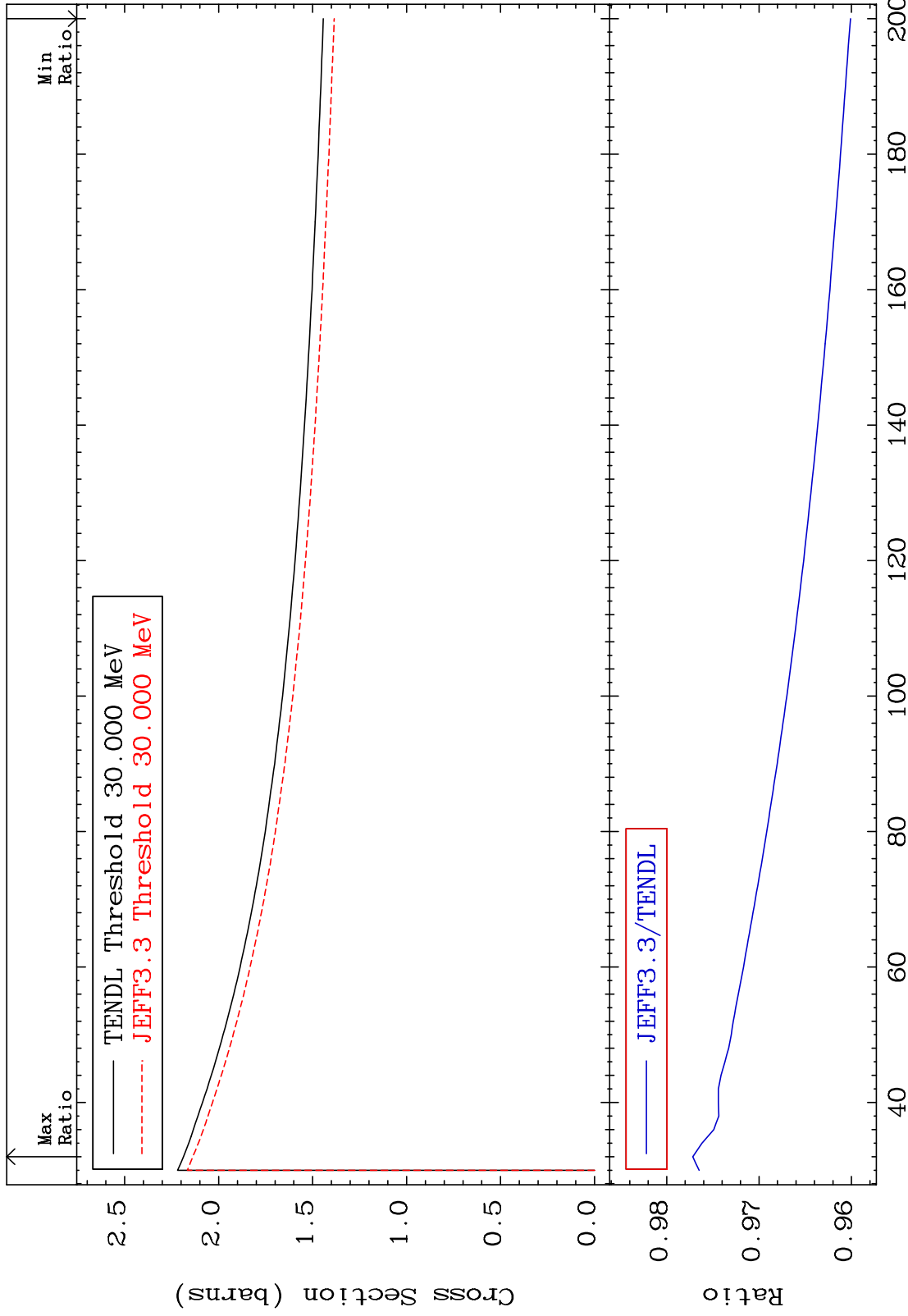




MAT 6049

(n, remainder)
Cross Section

60-Nd-150
-3.989 To -2.283%



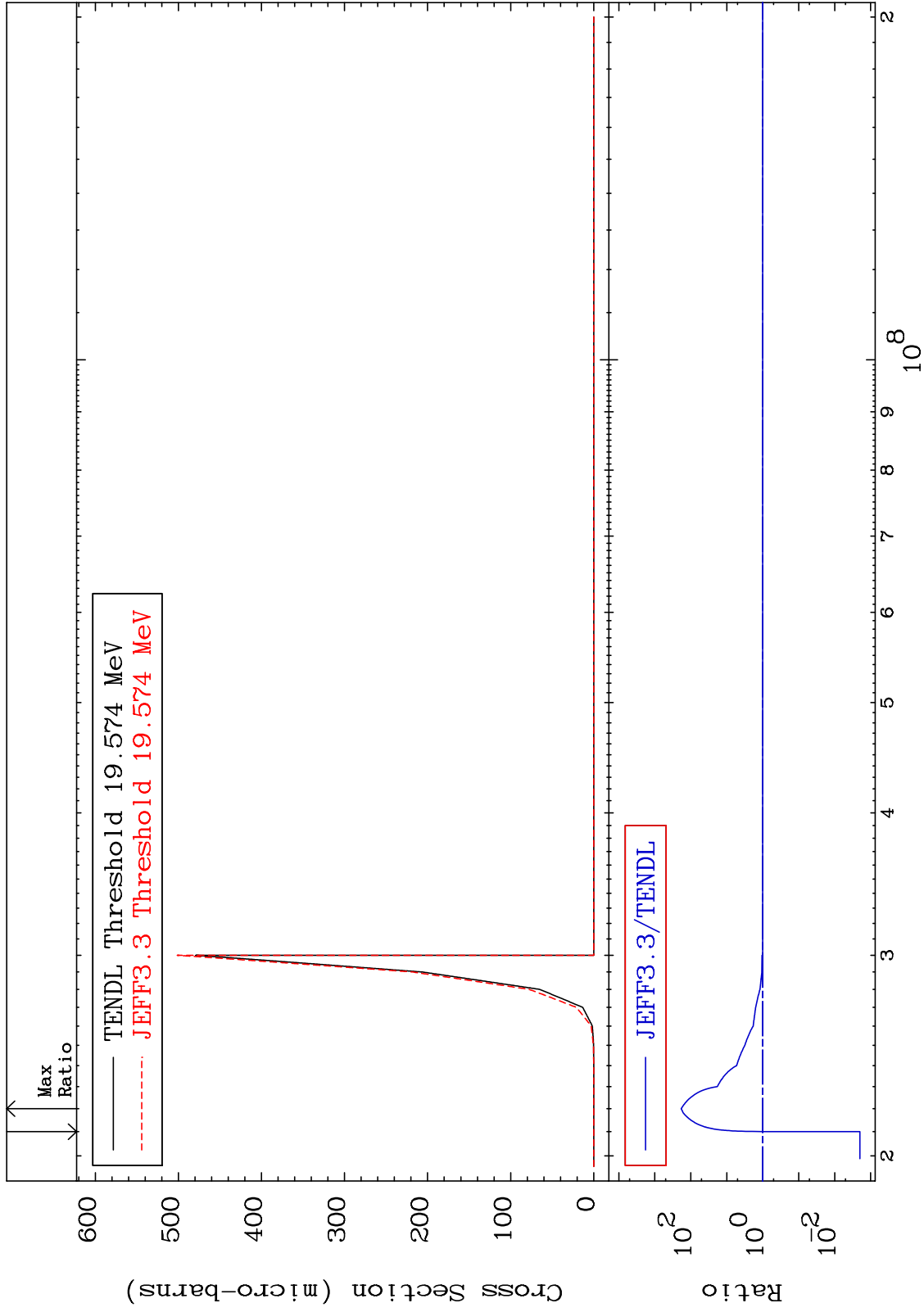
MAT 6049

(n,2n) d

60-Nd-150

Cross Section

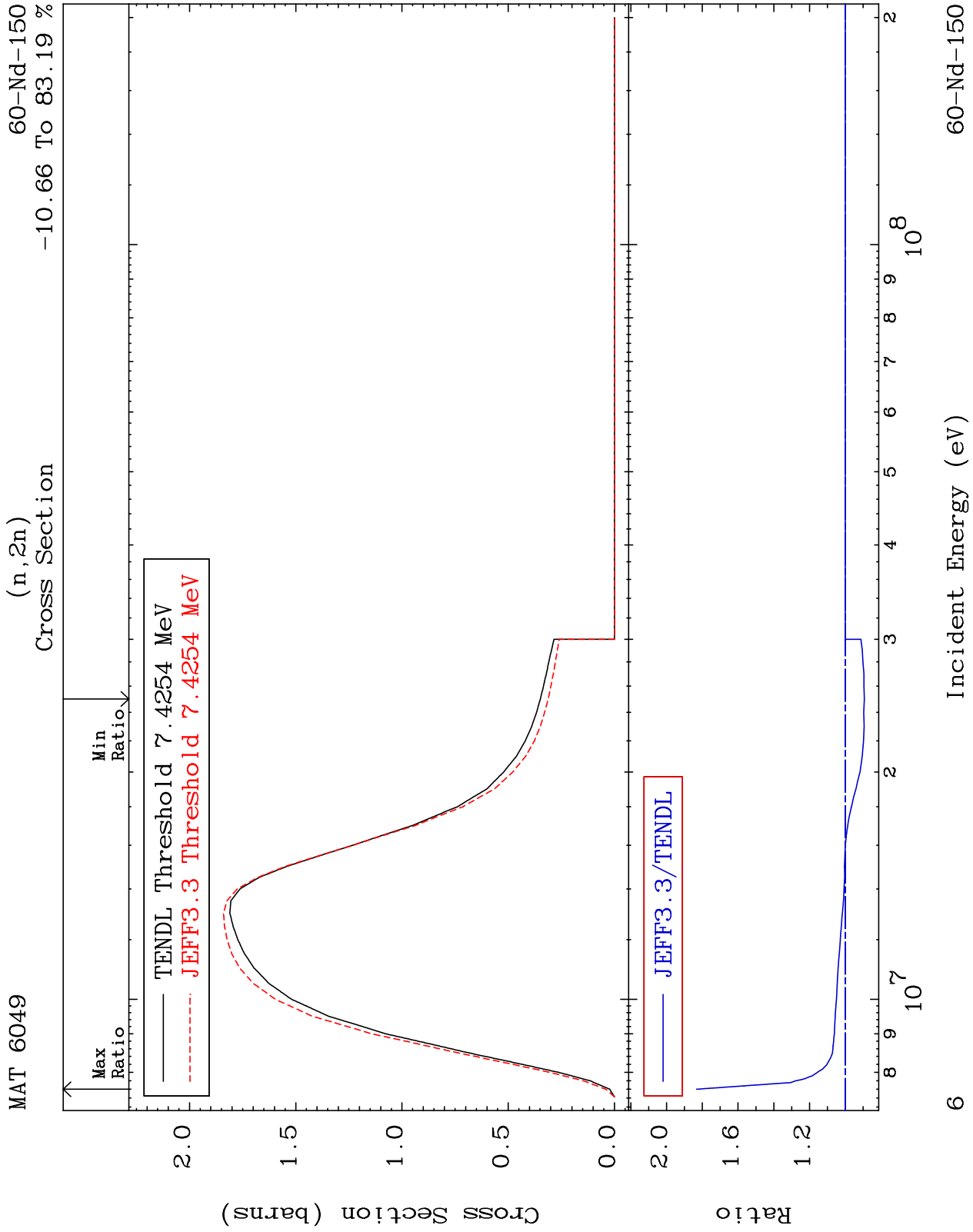
-99.80 To 9999. %



5

Incident Energy (eV)

60-Nd-150



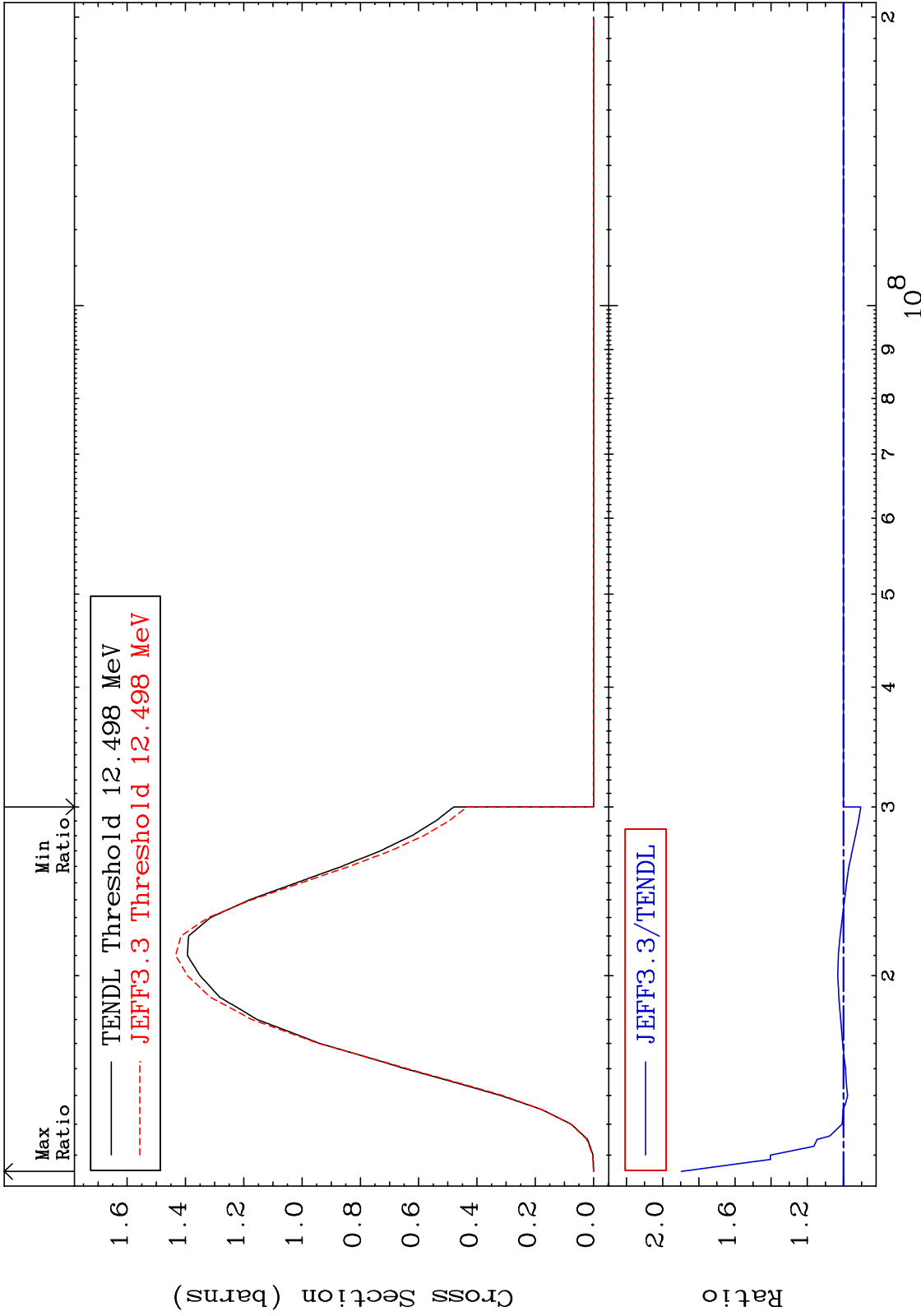
MAT 6049

(n, 3n)

60-Nd-150

Cross Section

-9.560 To 89.61 %



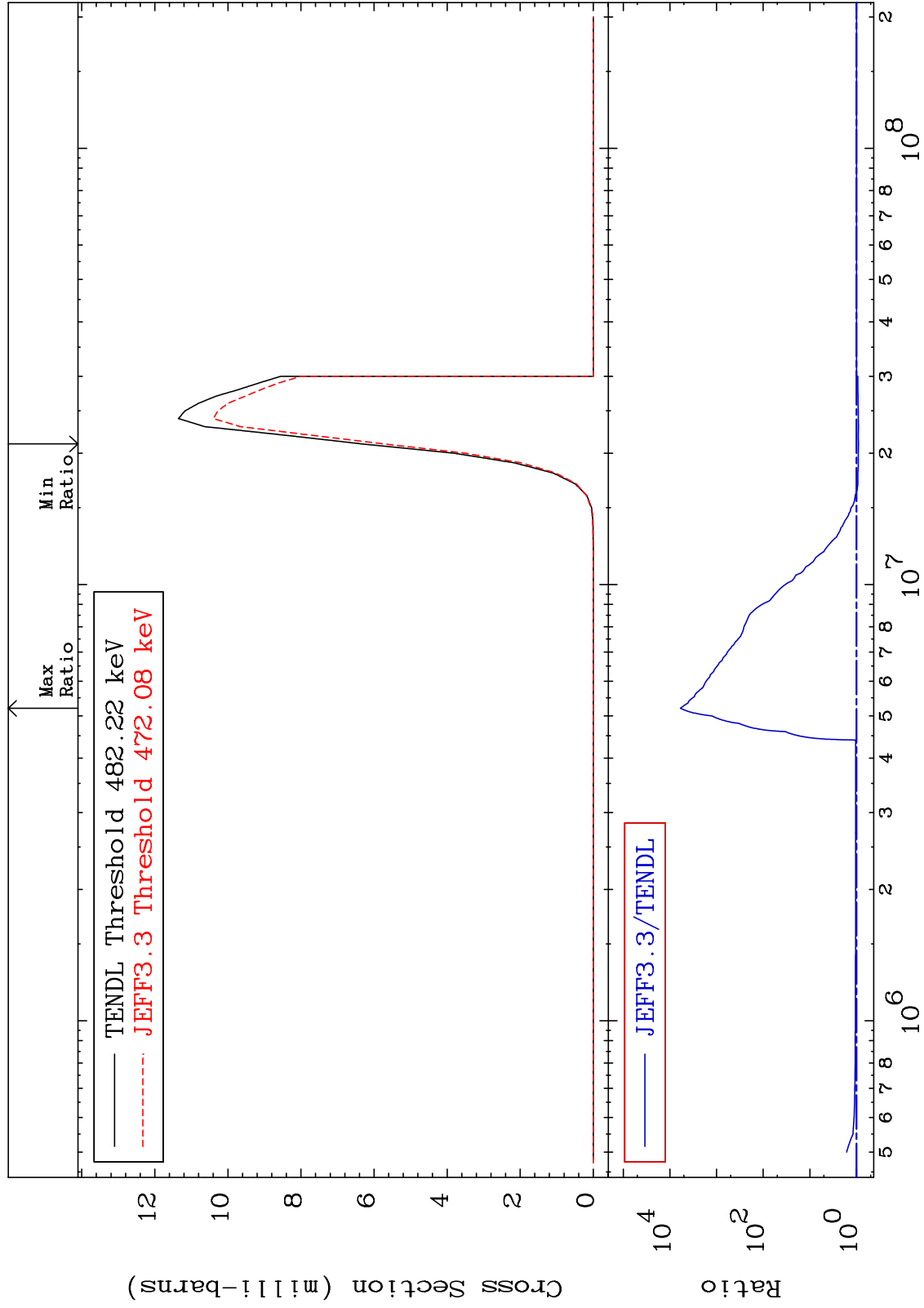
MAT 6049

(n, n') α

60-Nd-150

-9.436 To 9999. %

Cross Section



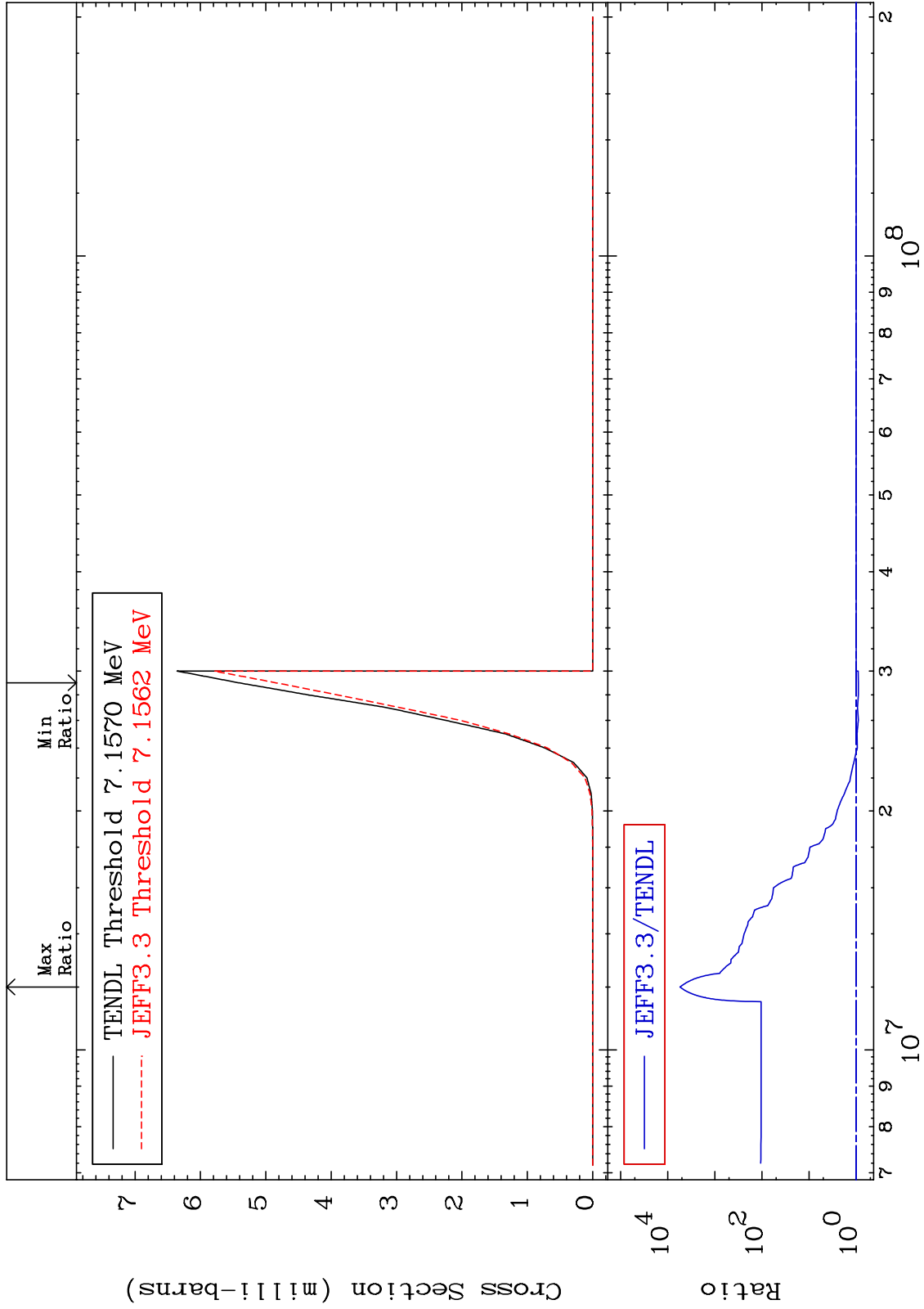
MAT 6049

(n,2n) α

60-Nd-150

-10.52 To 9999. %

Cross Section



9

Incident Energy (eV)

60-Nd-150

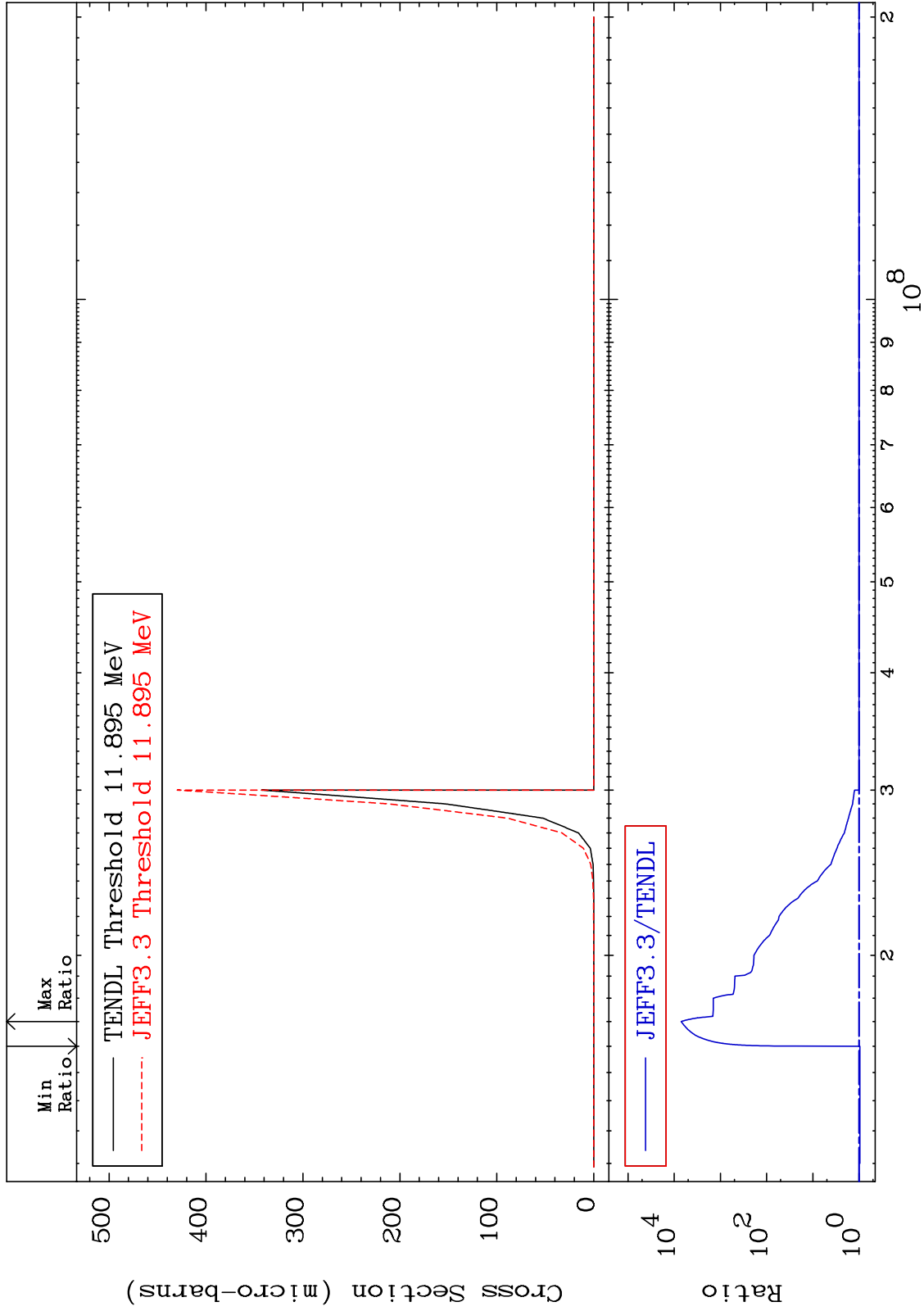
MAT 6049

(n,3n) α

60-Nd-150

Cross Section

-4.169 To 9999. %



10

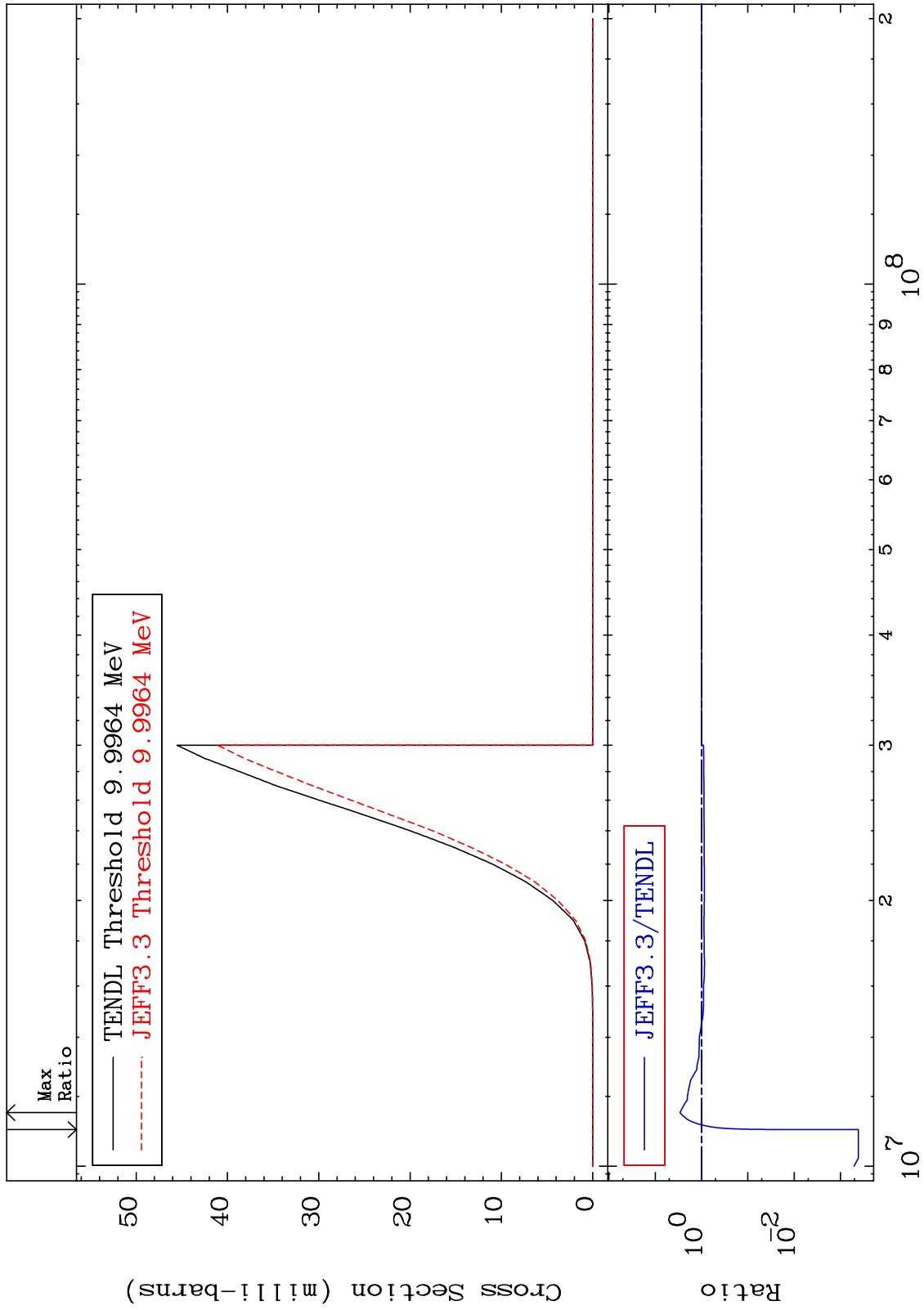
Incident Energy (eV)

60-Nd-150

MAT 6049

(n,n') p
Cross Section

60-Nd-150
-99.96 To 191.5 %



11

Incident Energy (eV)

60-Nd-150

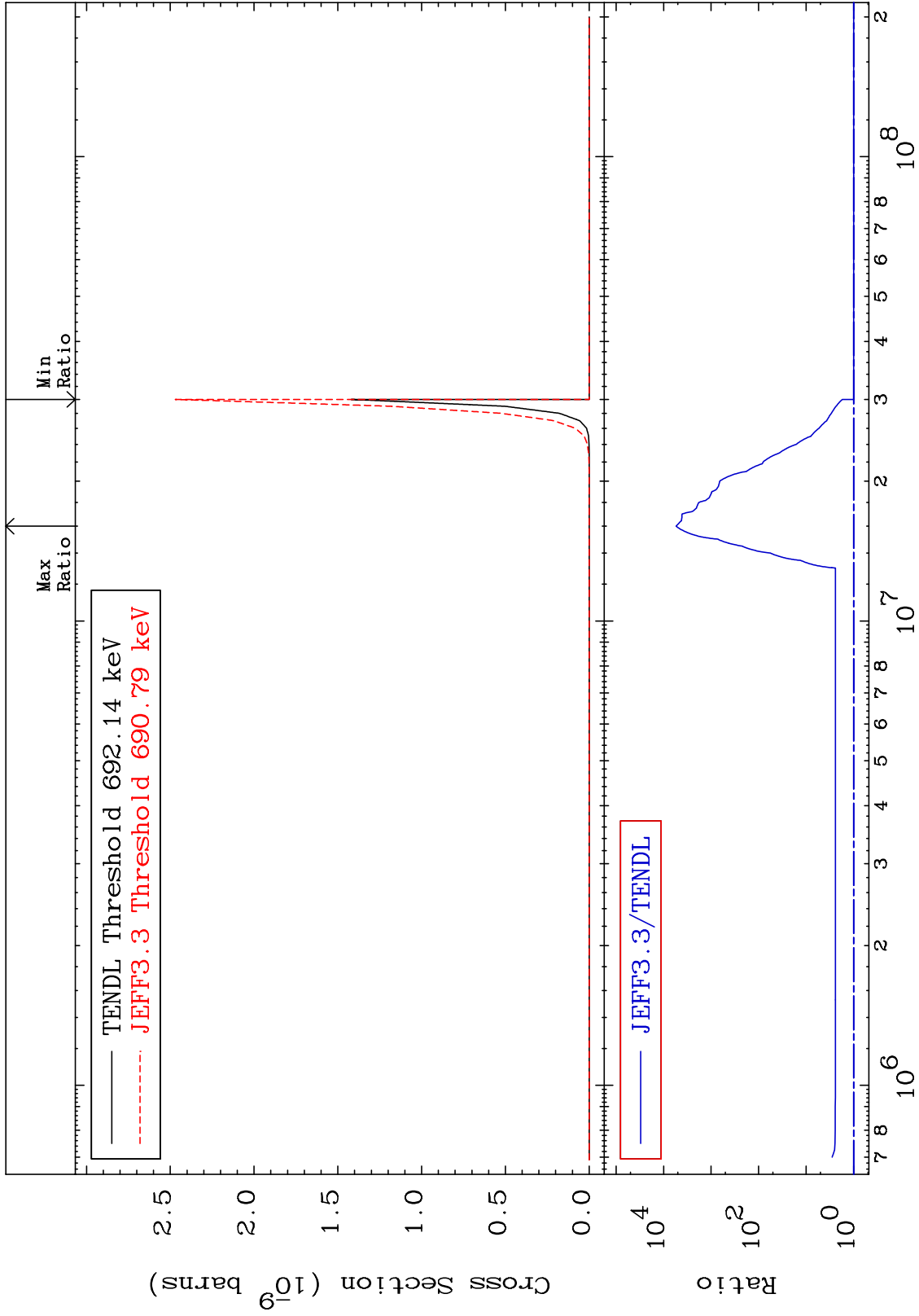
MAT 6049

(n, n') 2α

60-Nd-150

Cross Section

0.000 To 9999. %



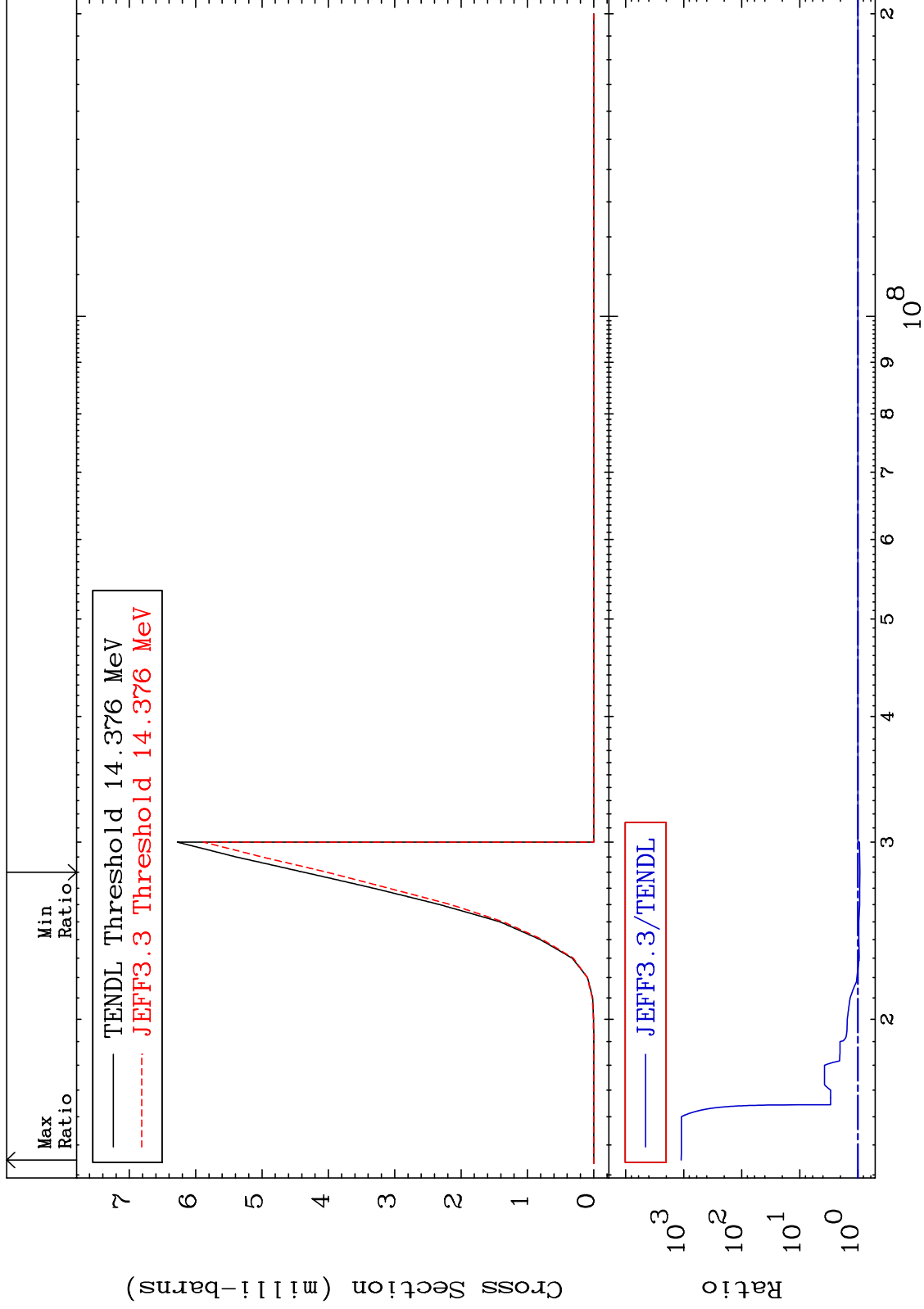
MAT 6049

(n, n') d

60-Nd-150

Cross Section

-8.008 To 9999. %



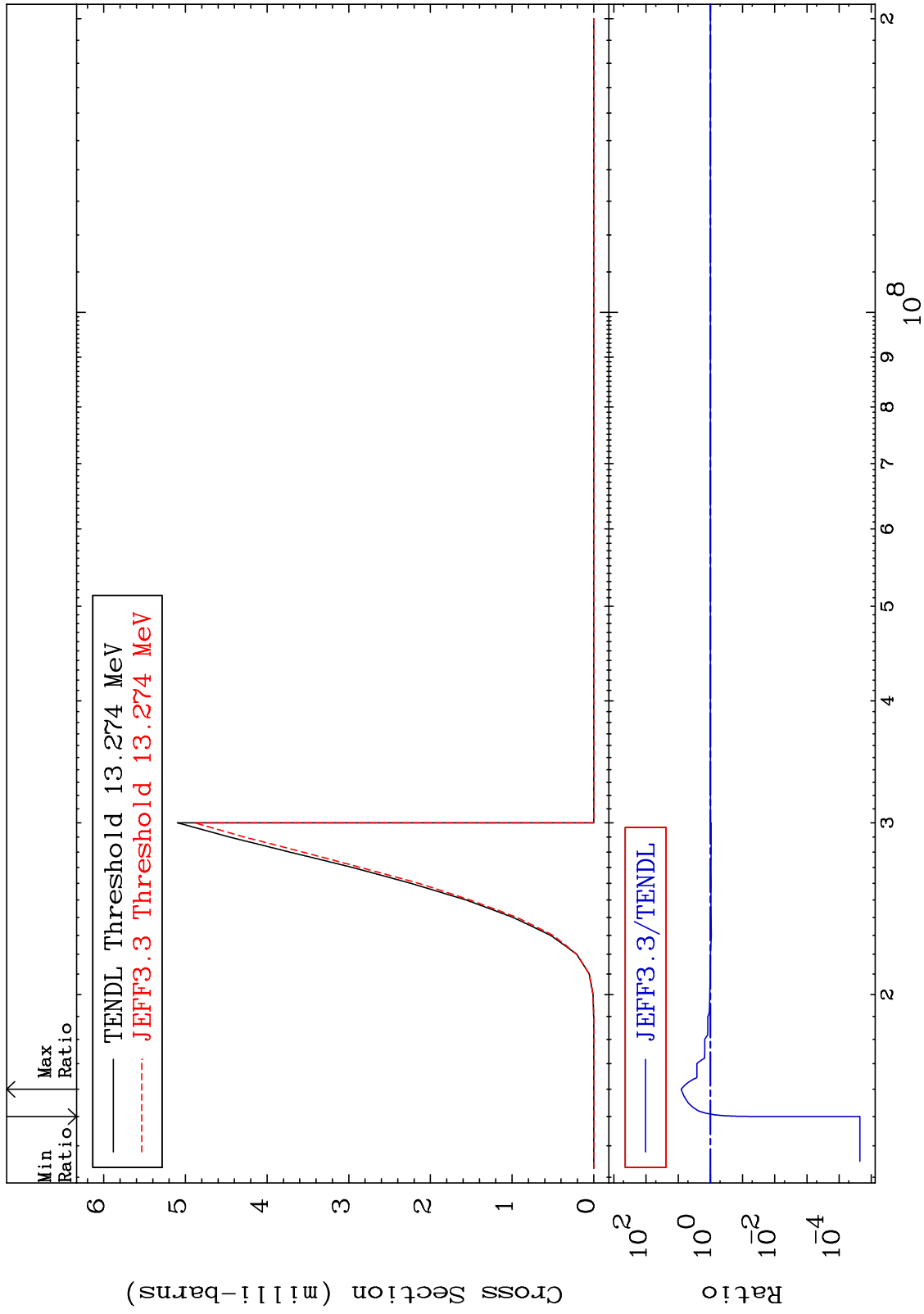
MAT 6049

(n, n') t

60-Nd-150

Cross Section

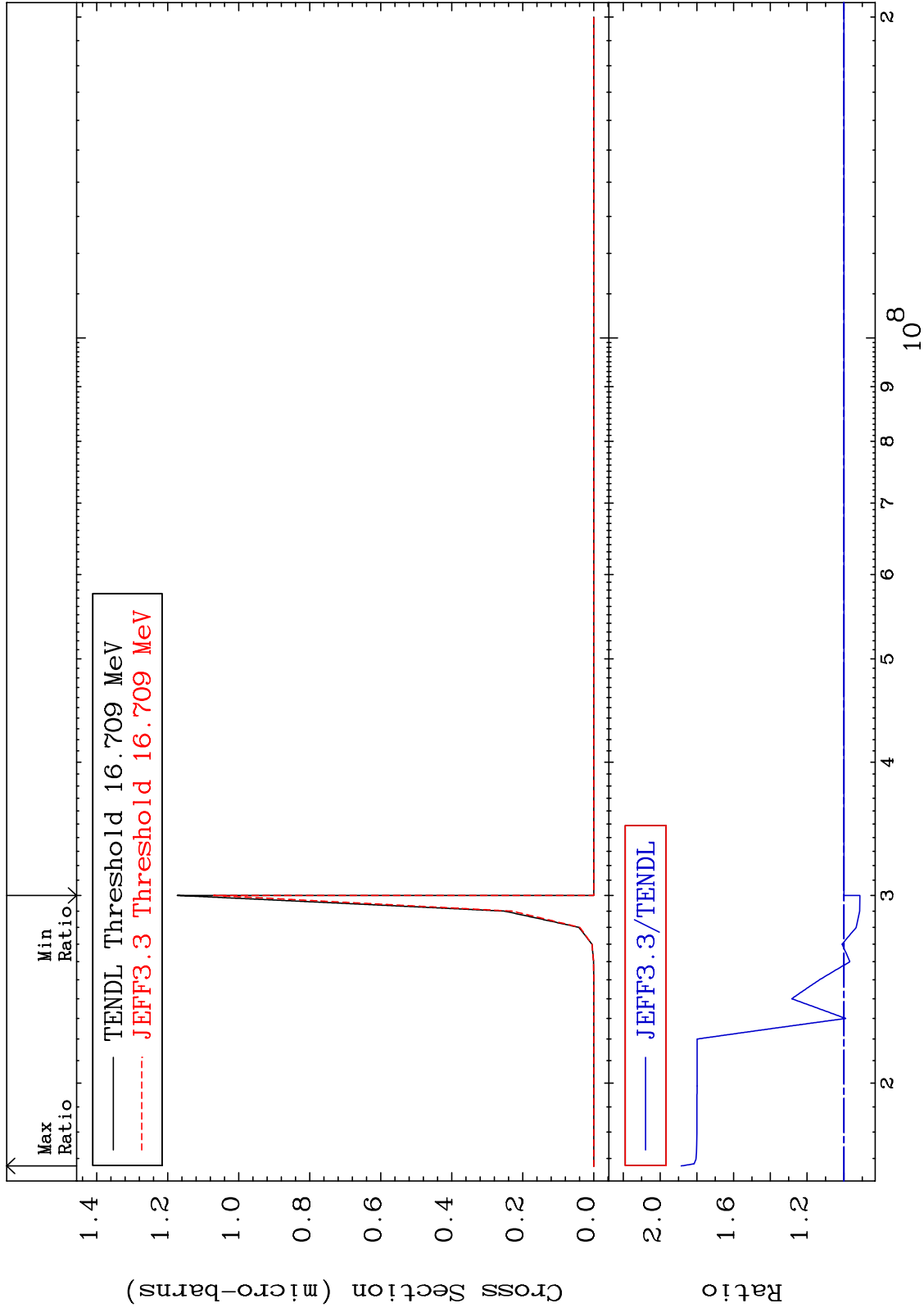
-100.0 To 707.6 %



MAT 6049

(n, n') He-3
Cross Section

60-Nd-150
-8.745 To 88.50 %



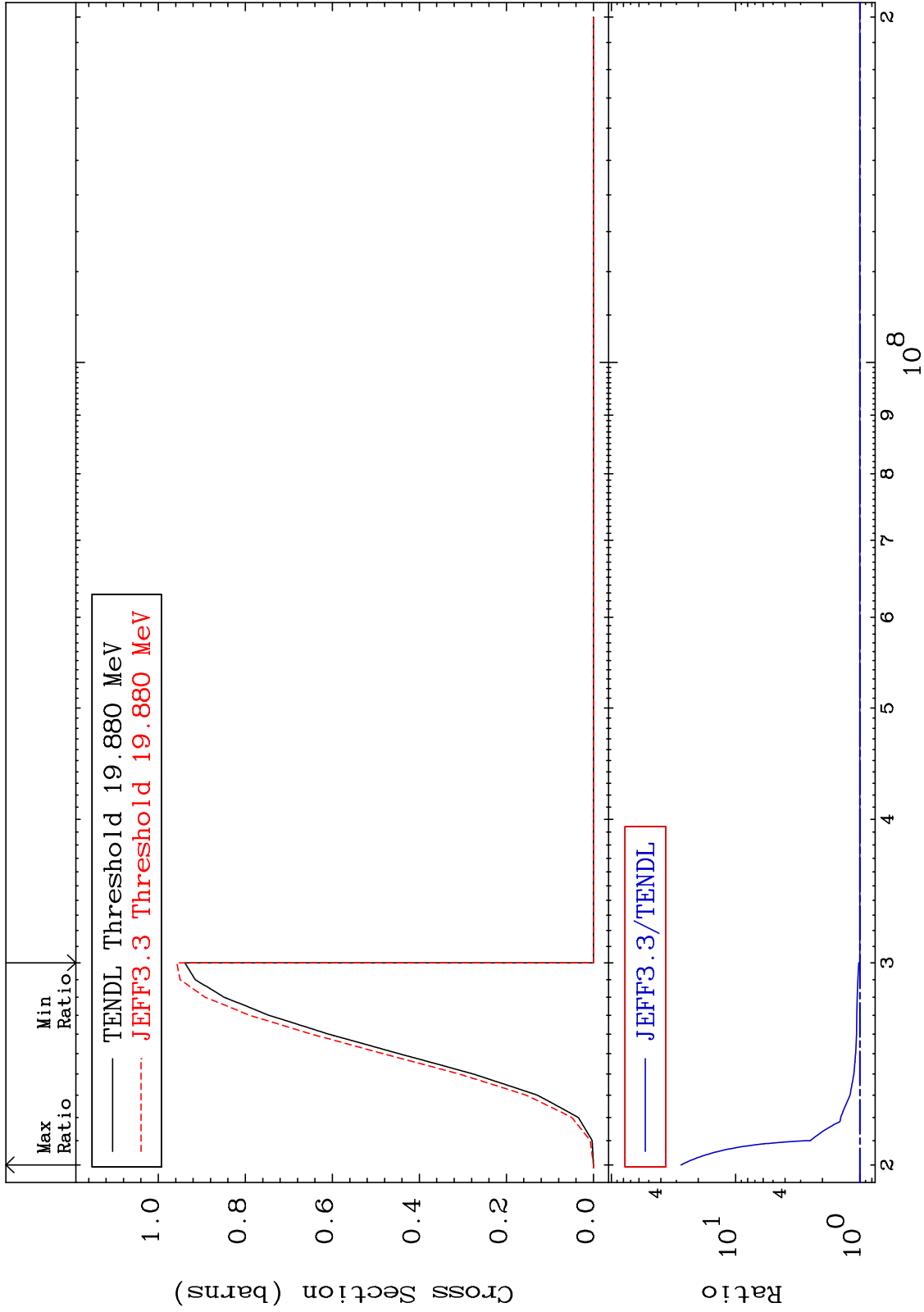
MAT 6049

(n, 4n)

60-Nd-150

Cross Section

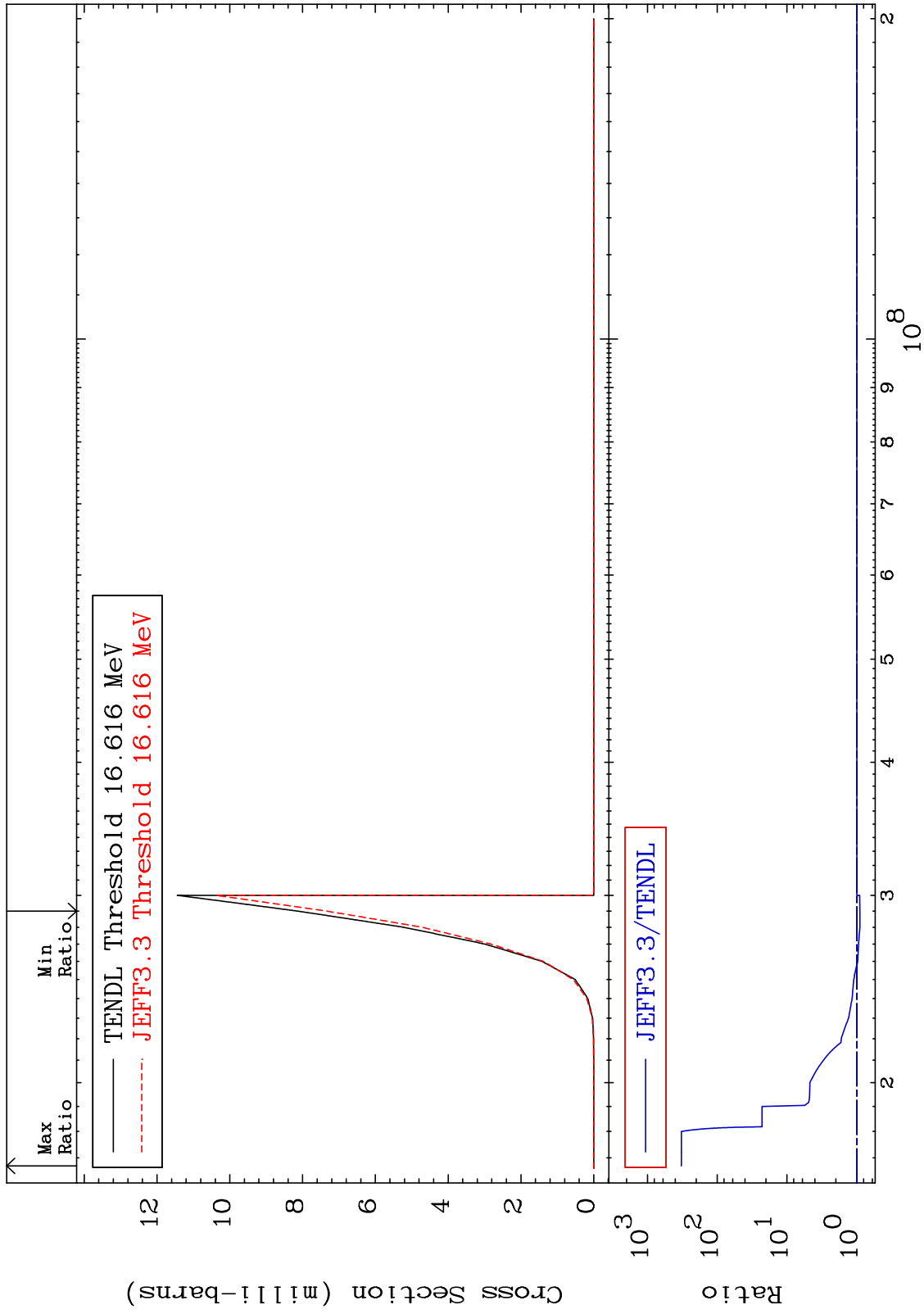
0.000 To 2650. %



MAT 6049

(n,2n) p
Cross Section

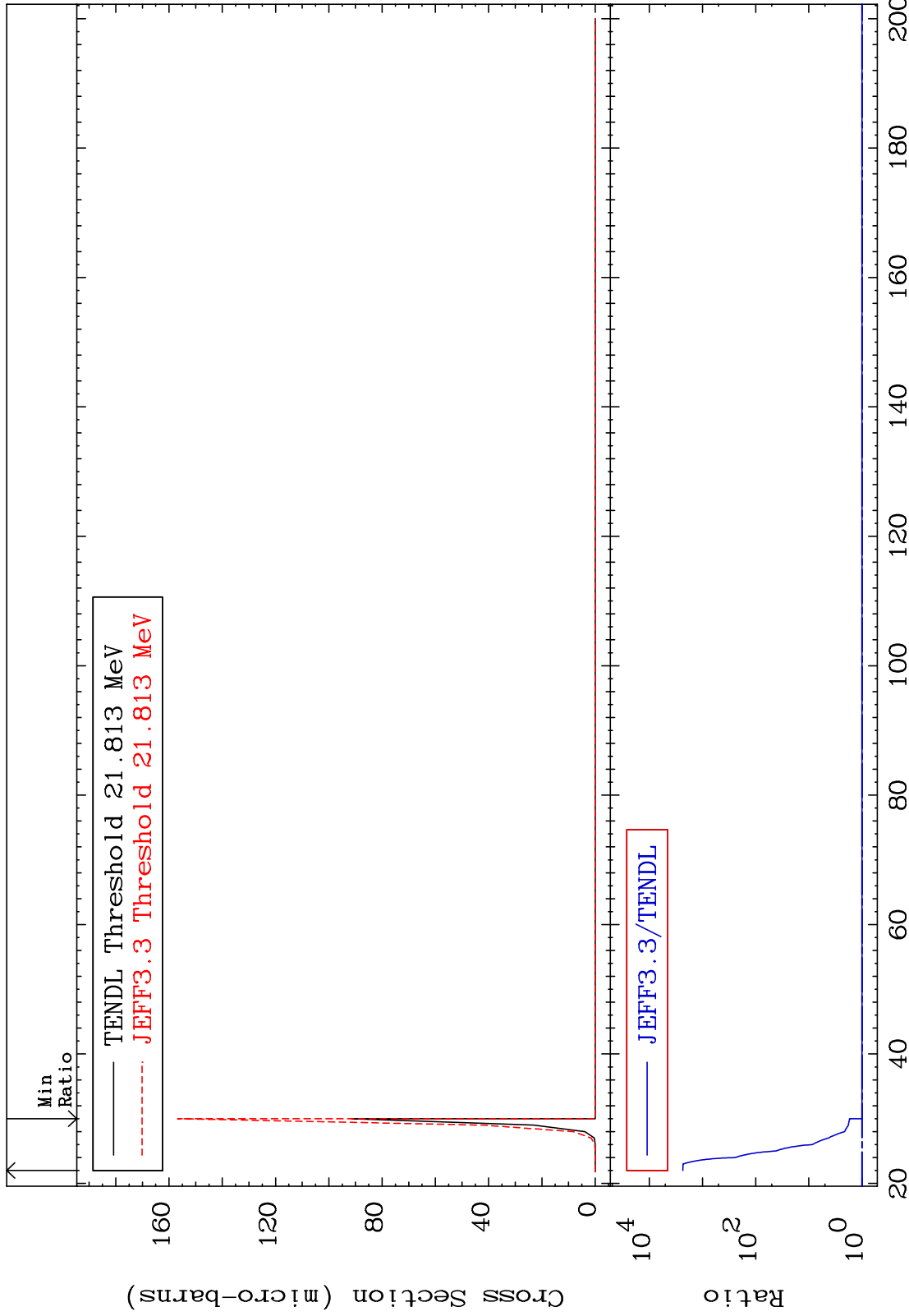
60-Nd-150
-9.833 To 9999. %



MAT 6049

(n,3n) p
Cross Section

60-Nd-150
To 9999. %
0.000



MAT 6049

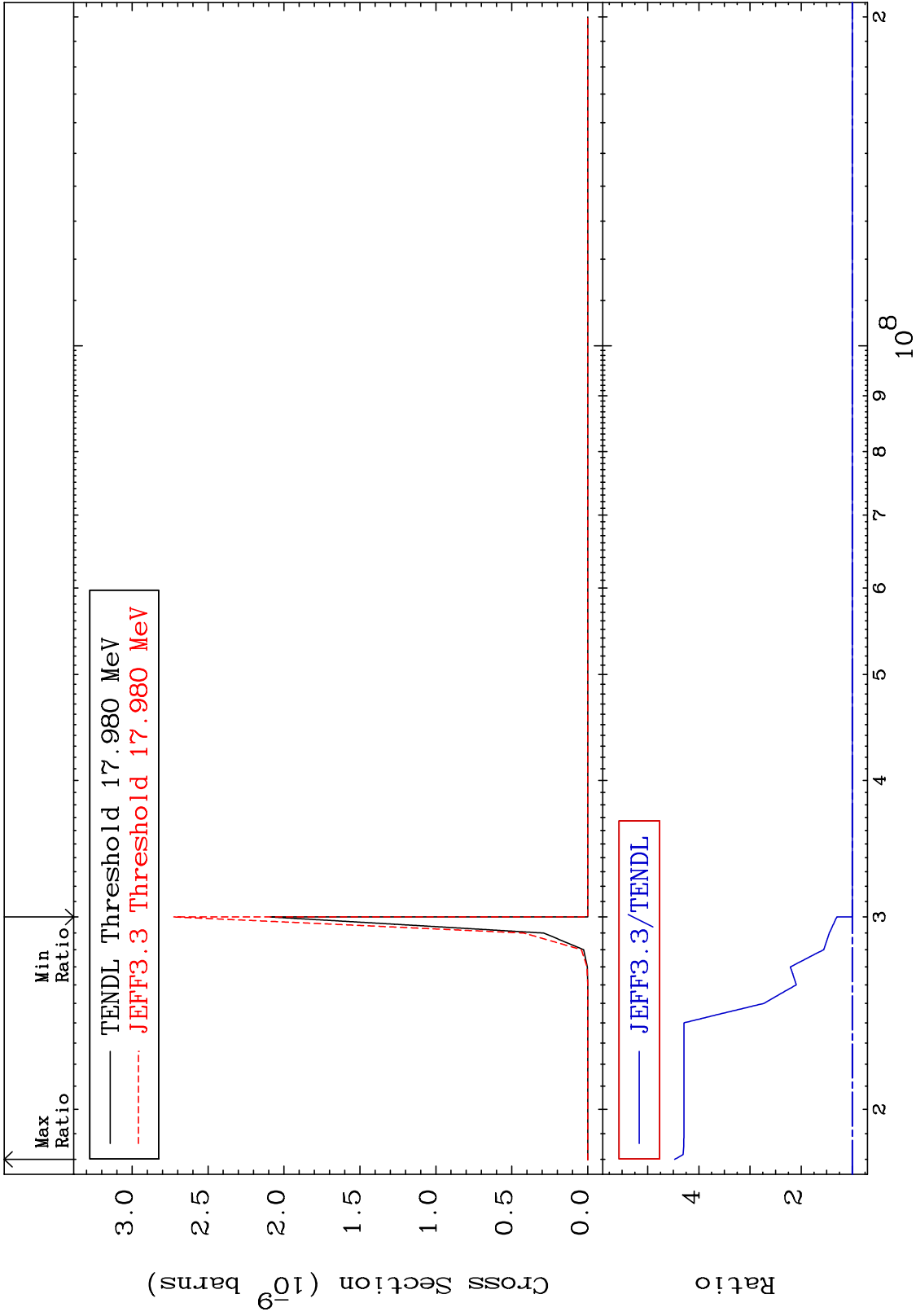
(n,2n) p

60-Nd-150

Cross Section

0.000

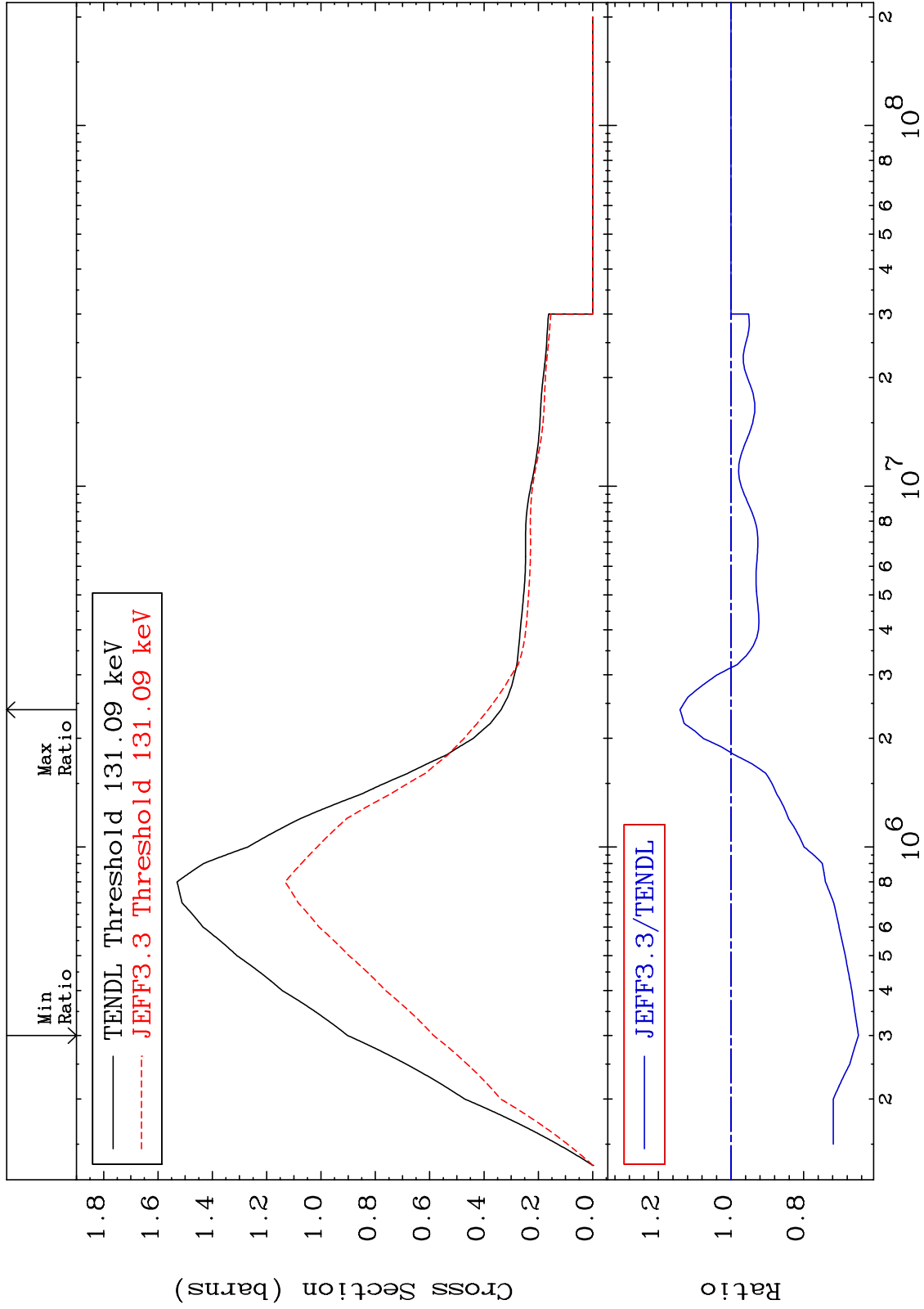
To 347.2 %



MAT 6049

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

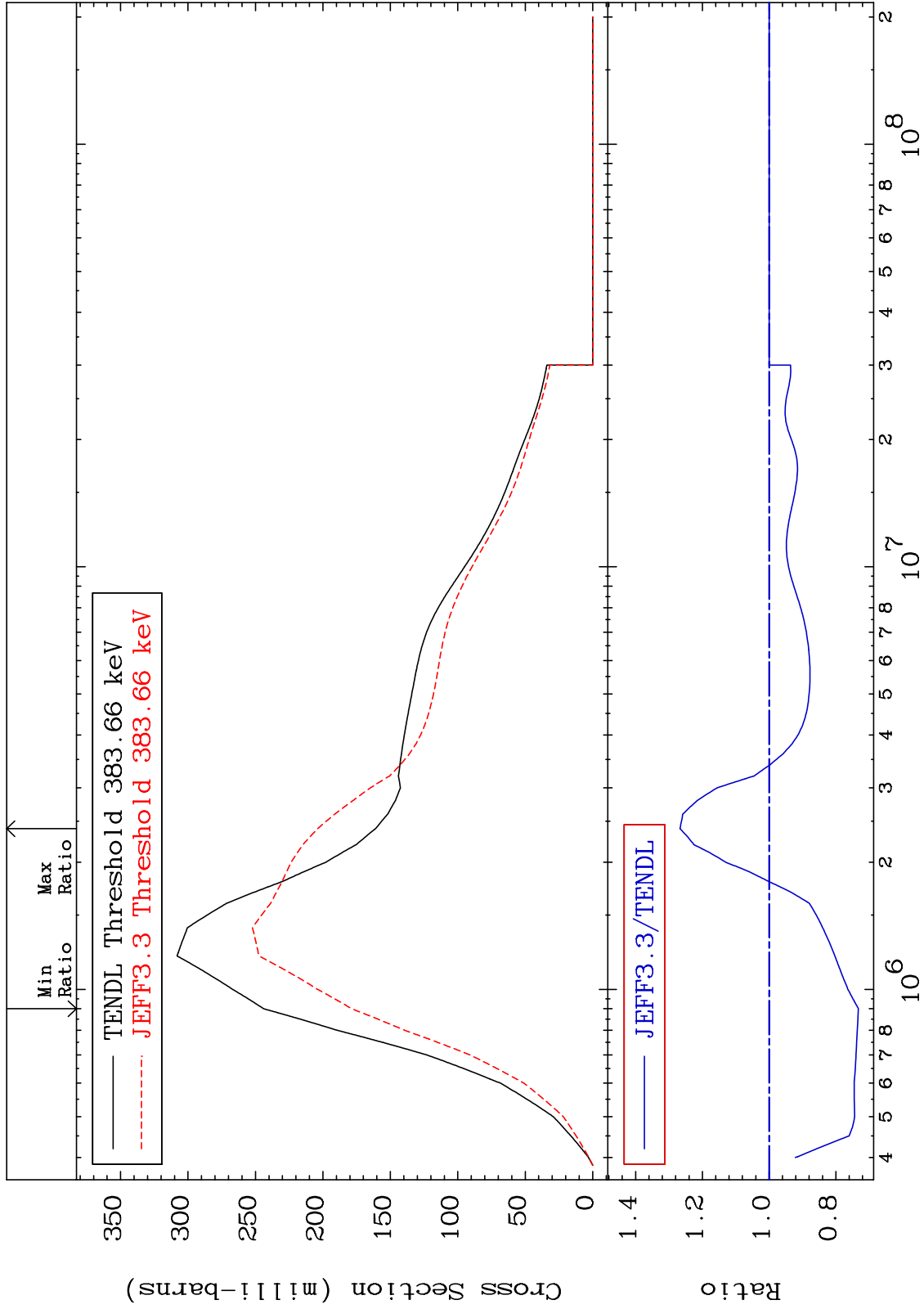
60-Nd-150
-35.09 To 14.06 %



MAT 6049

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

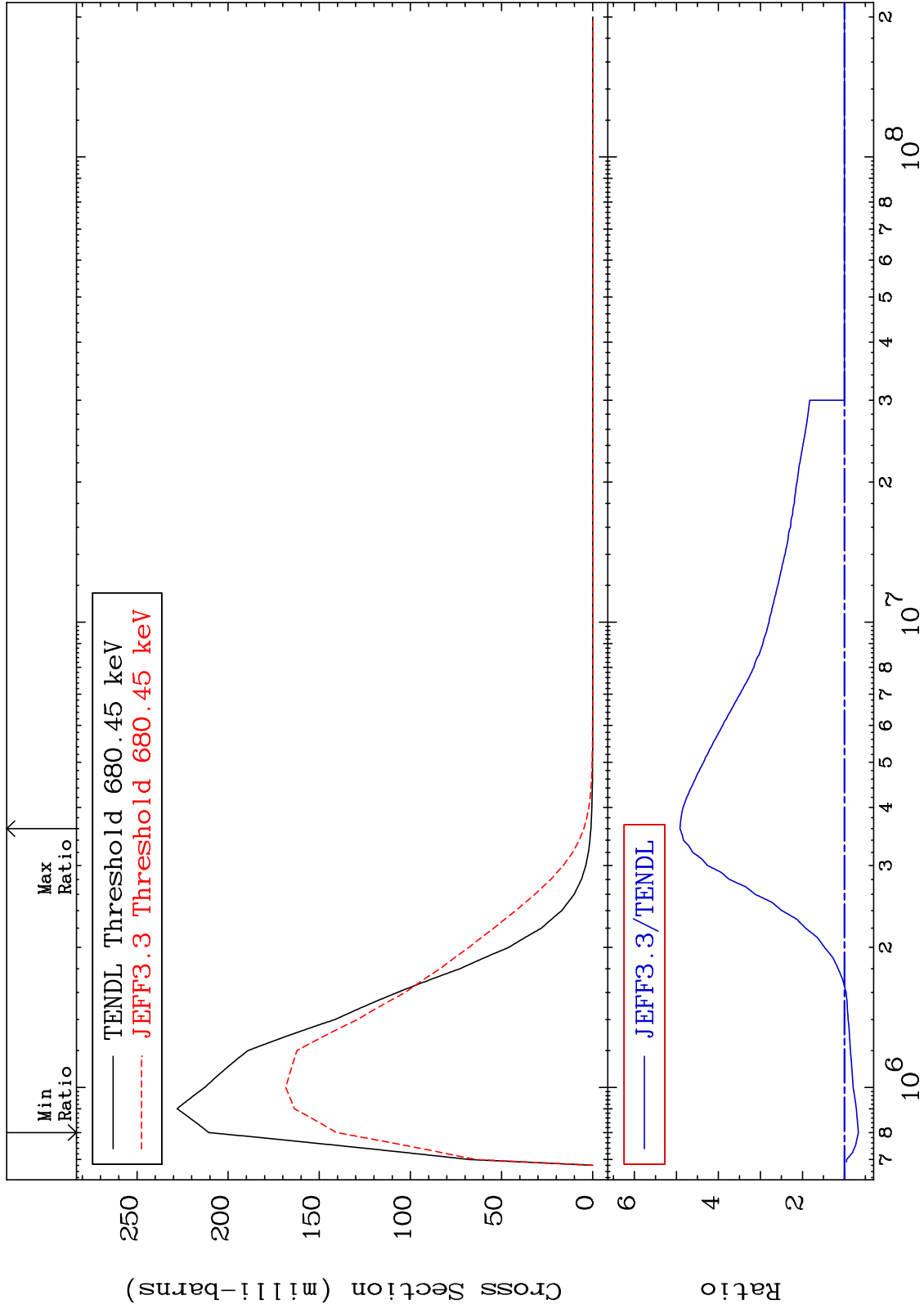
60-Nd-150
-26.75 To 26.69 %



MAT 6049

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

60-Nd-150
-33.24 To 391.5 %



22

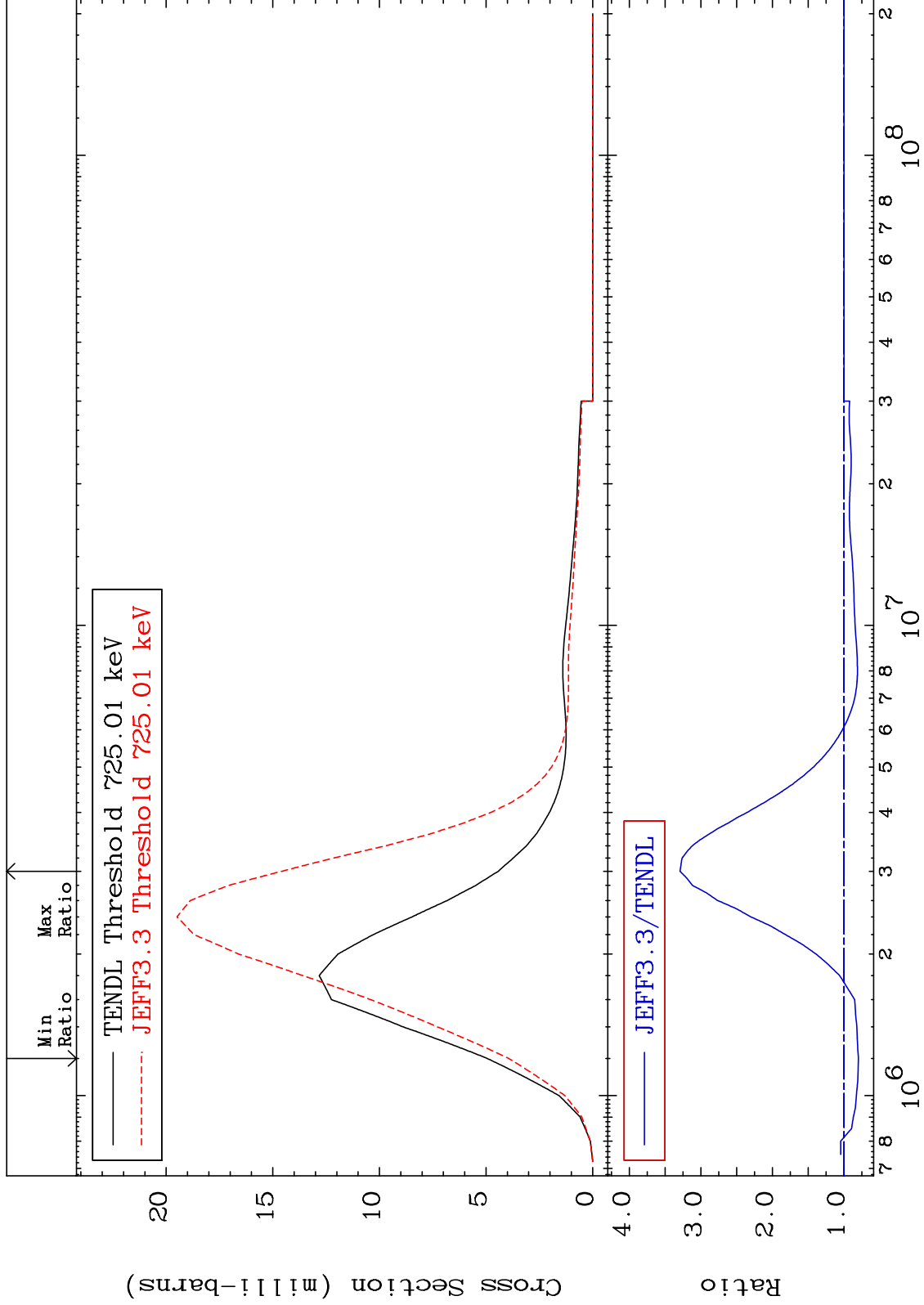
Incident Energy (eV)

60-Nd-150

MAT 6049

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

60-Nd-150
-20.25 To 229.2 %



23

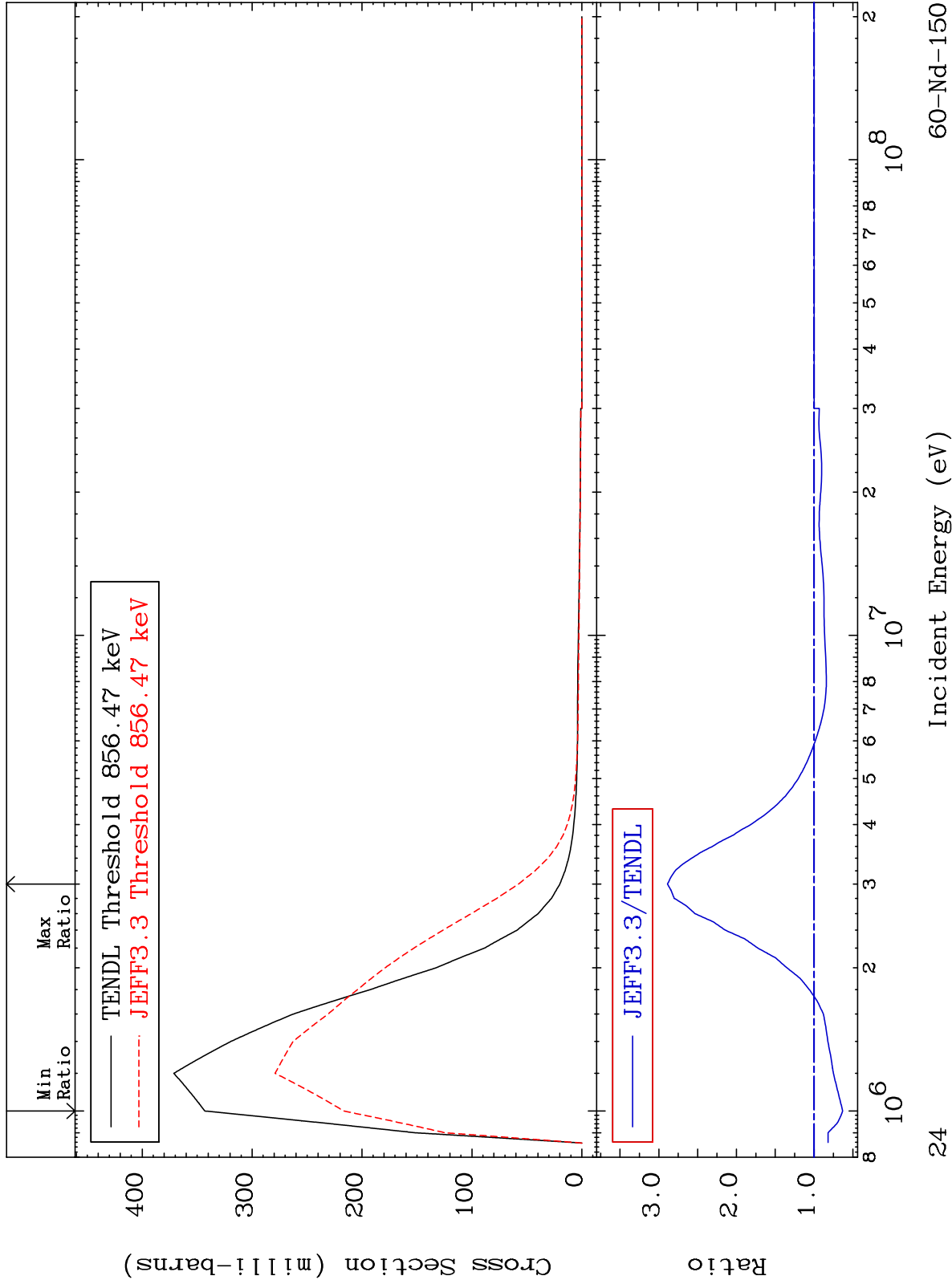
Incident Energy (eV)

60-Nd-150

MAT 6049

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

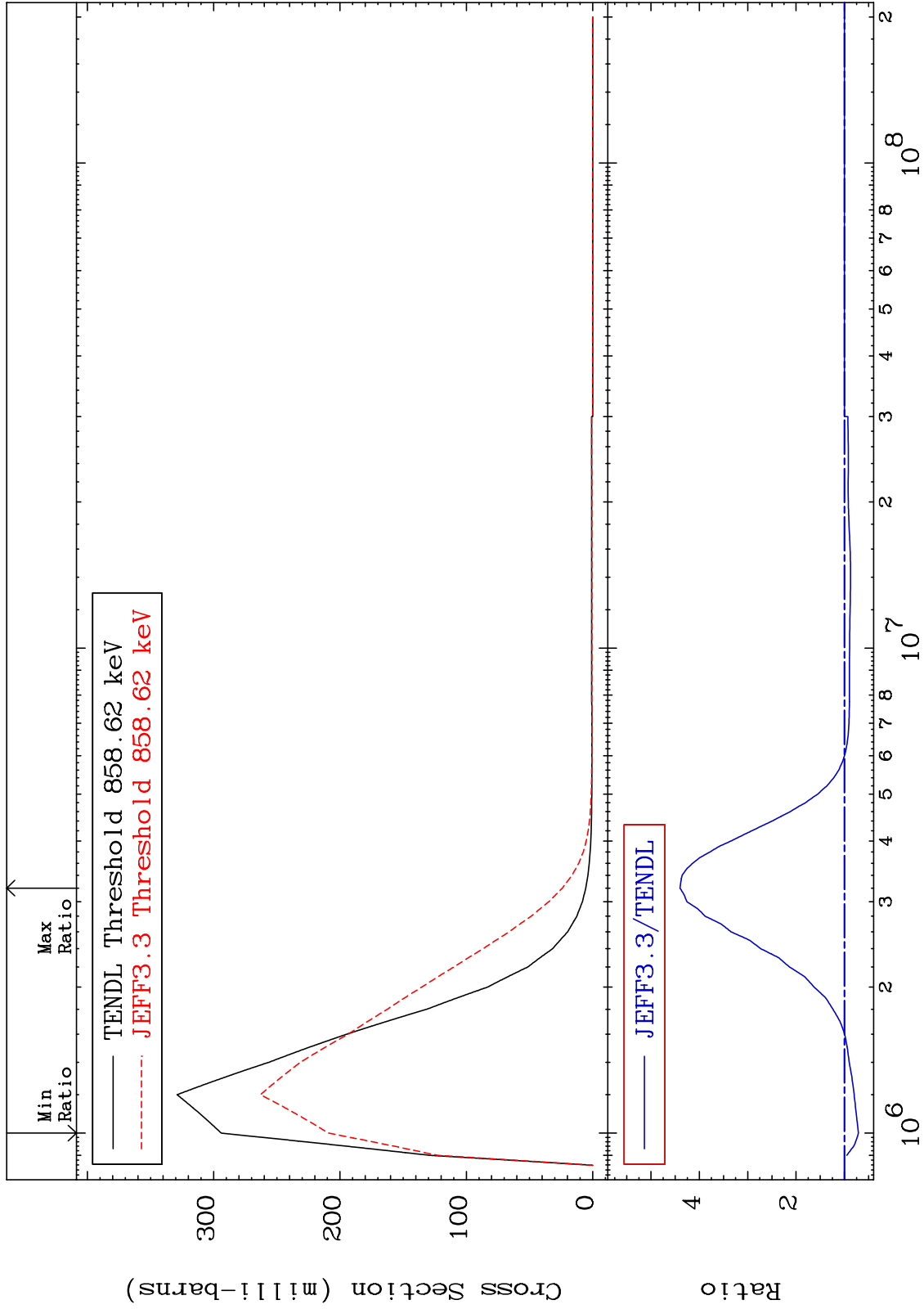
60-Nd-150
-36.88 To 188.8 %



MAT 6049

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

60-Nd-150
-28.91 To 340.0 %



25

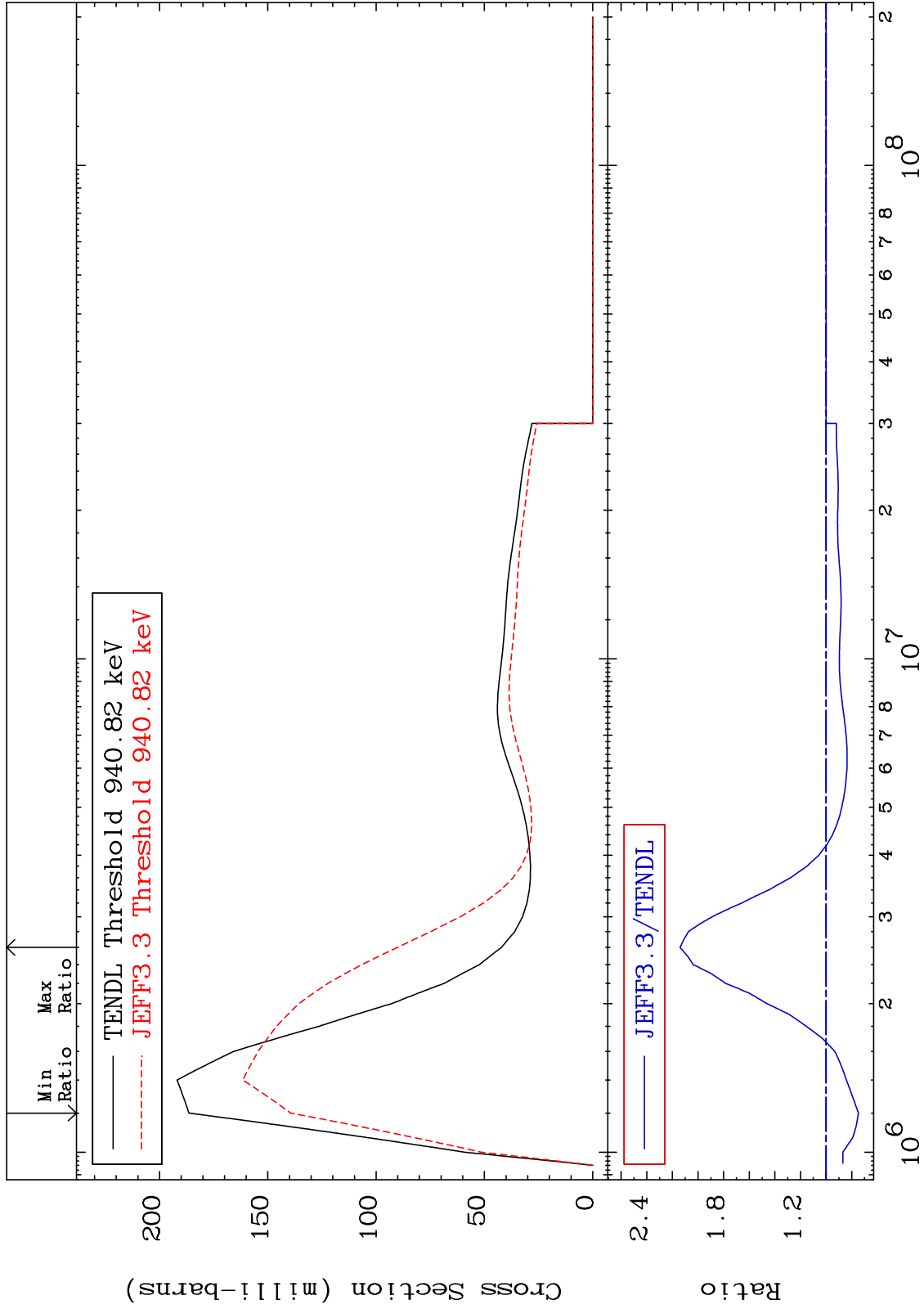
Incident Energy (eV)

60-Nd-150

MAT 6049

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

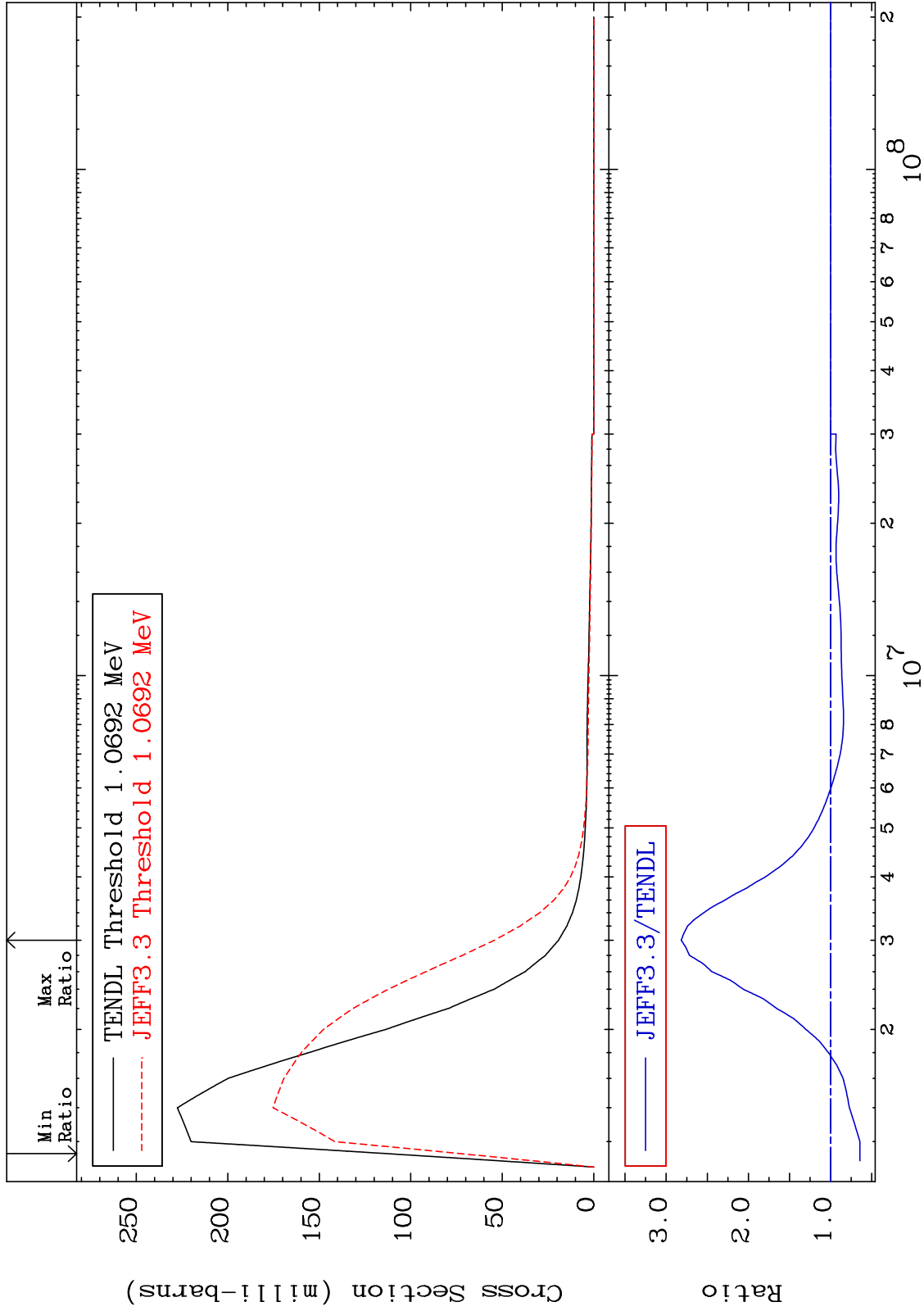
60-Nd-150
-25.20 To 114.0 %



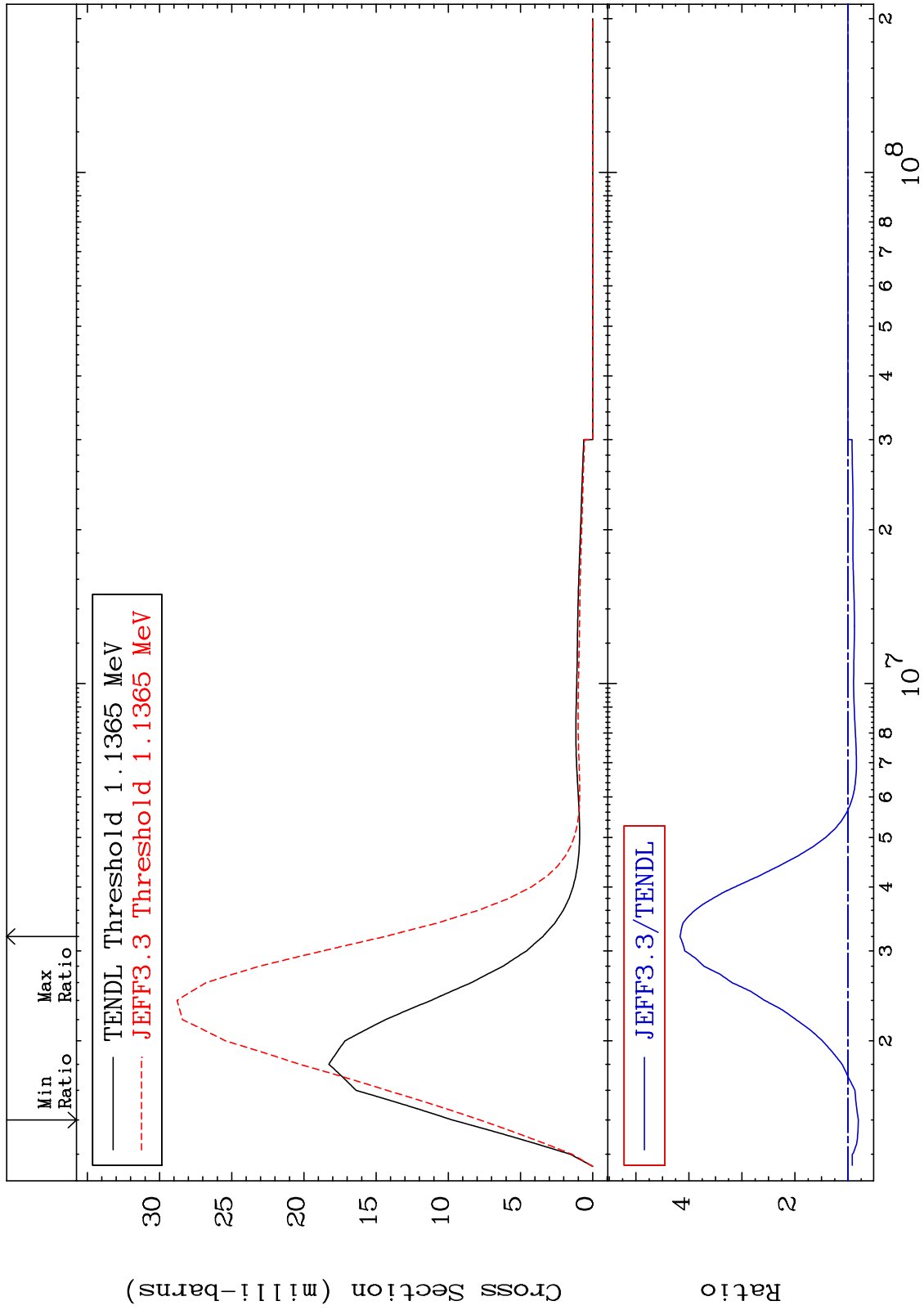
MAT 6049

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

60-Nd-150
-35.73 To 181.7 %



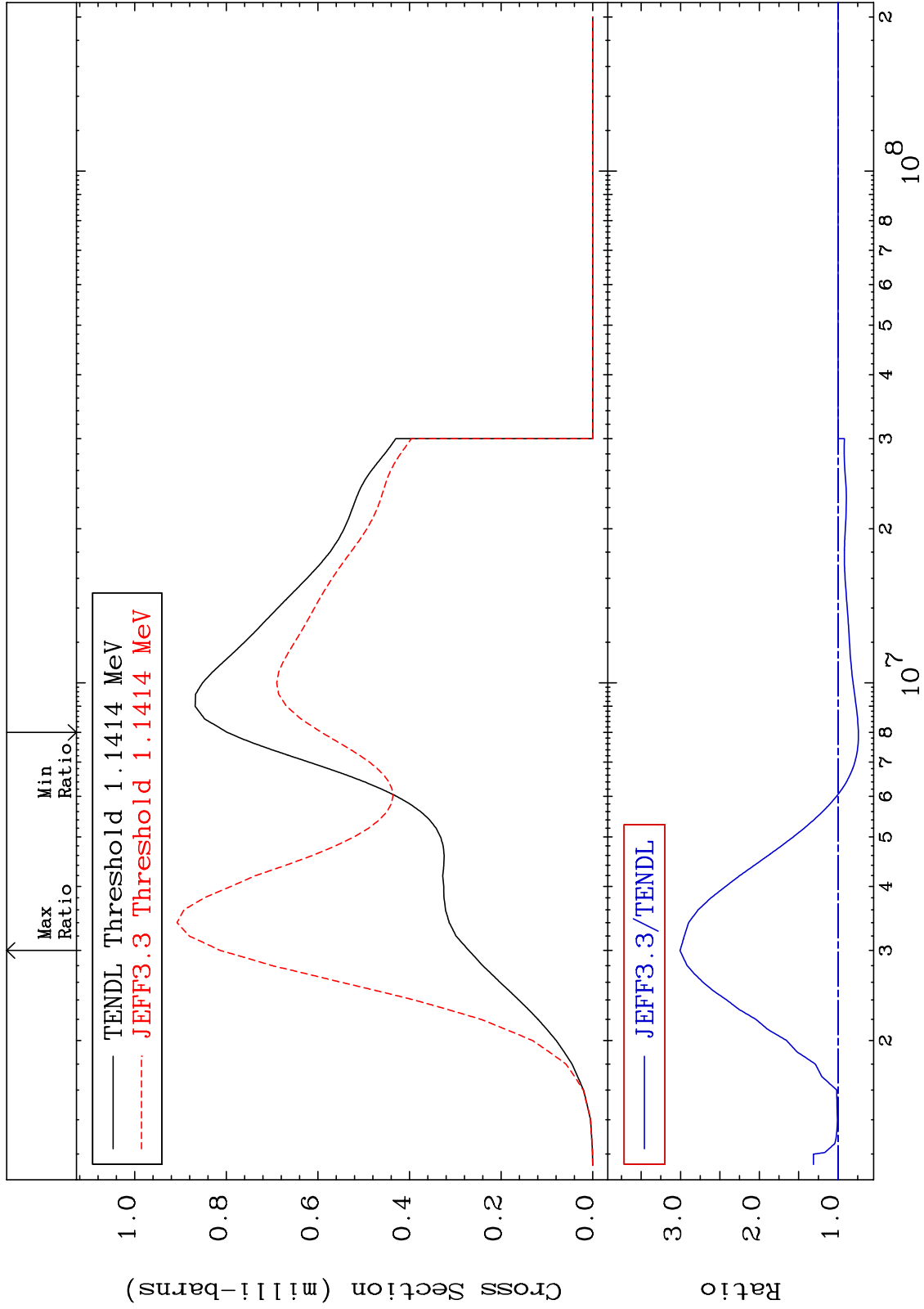
MAT 6049 MT= 59 (n, n') Level
 Cross Section 60-Nd-150
 -19.67 To 316.8 %



MAT 6049

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

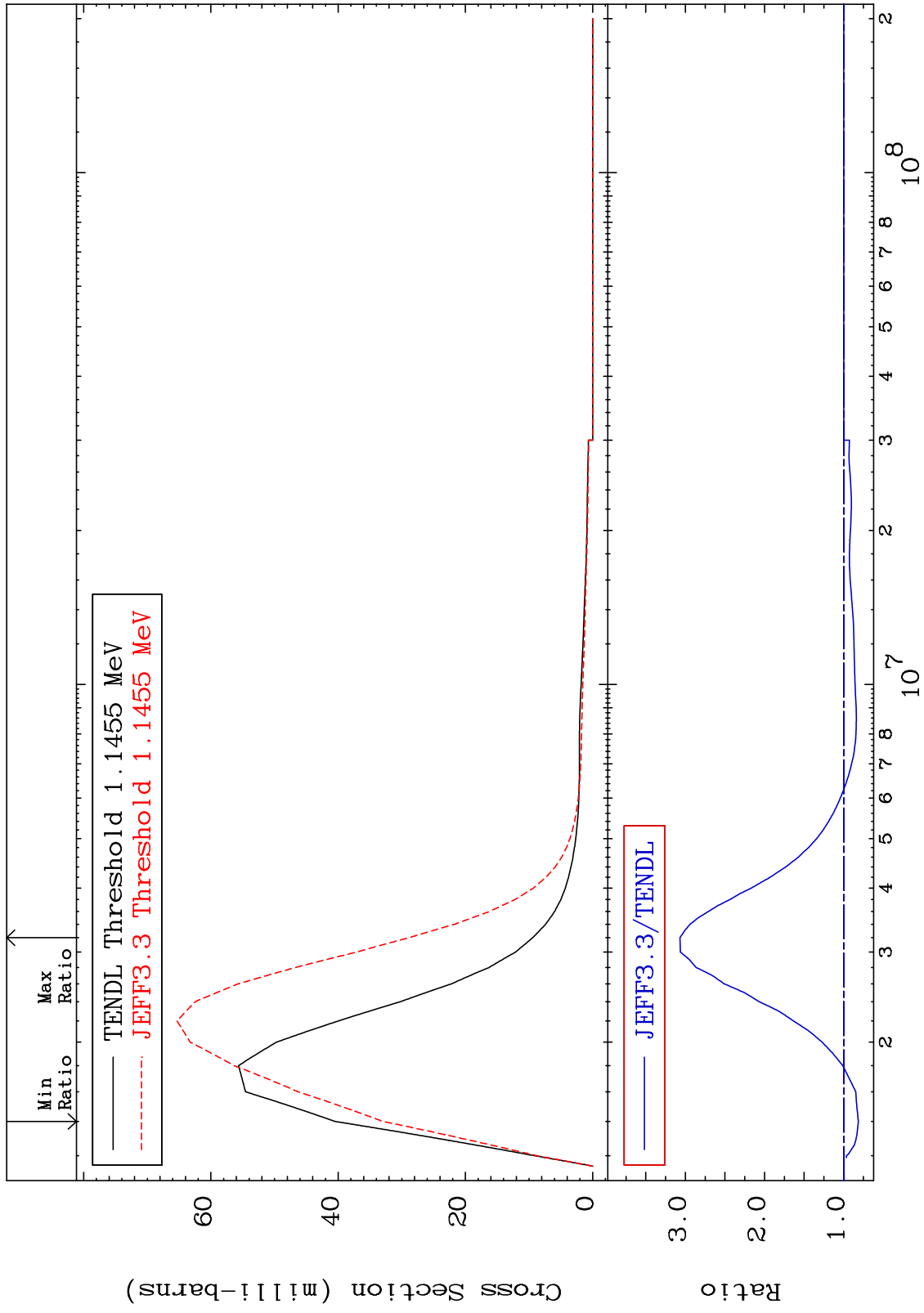
60-Nd-150
-25.79 To 200.6 %



MAT 6049

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

60-Nd-150
-18.59 To 206.8 %



30

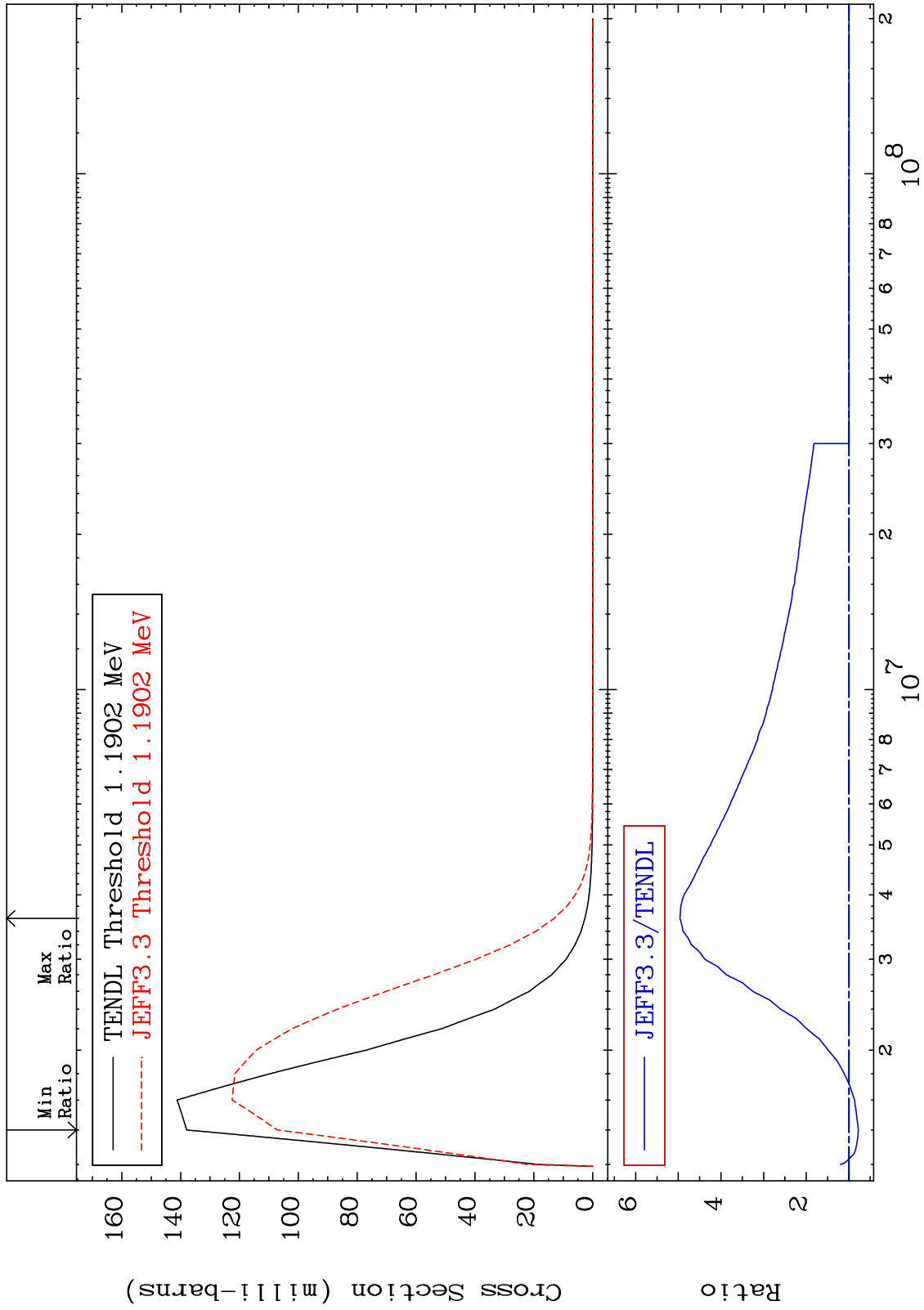
Incident Energy (eV)

60-Nd-150

MAT 6049

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

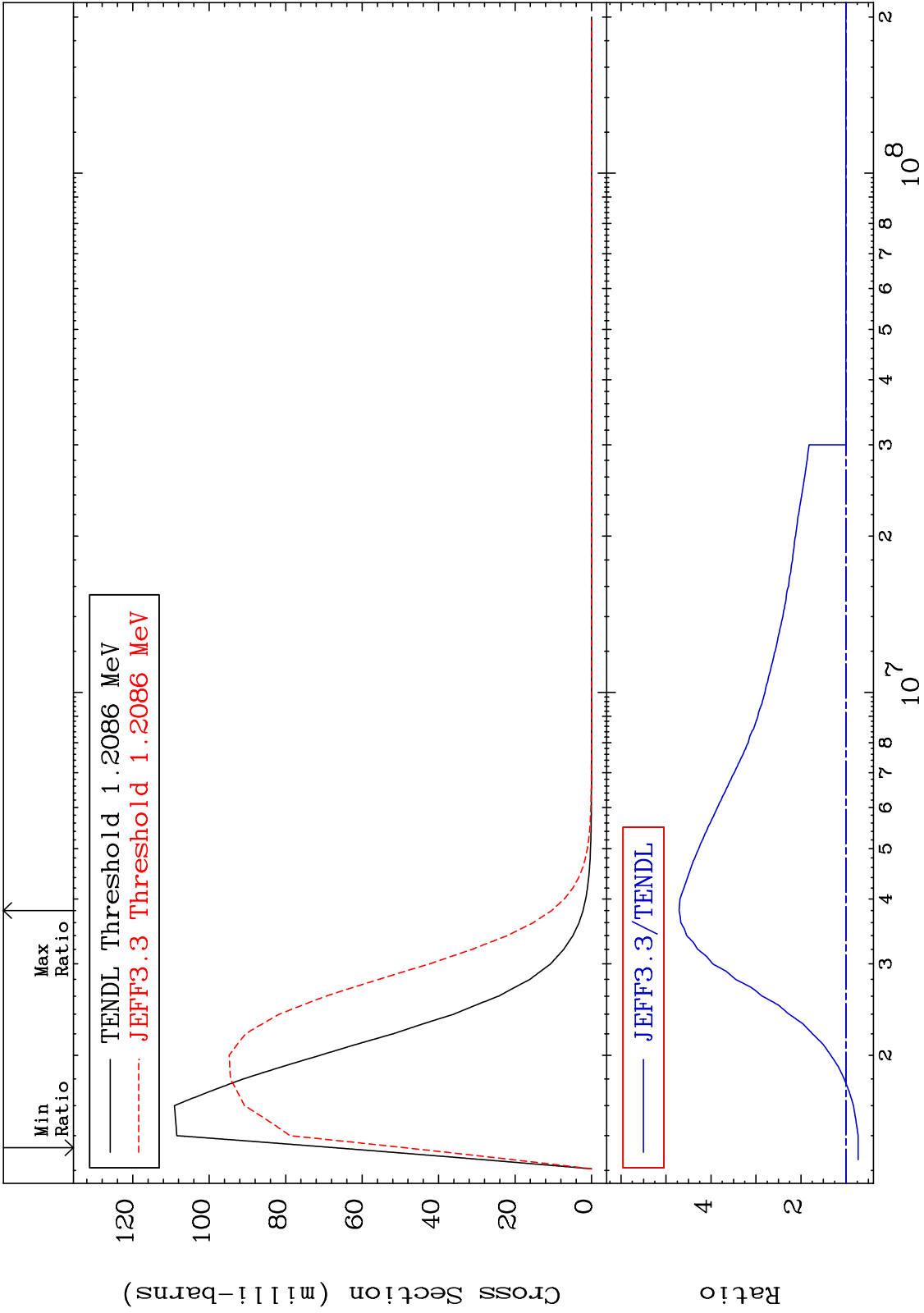
60-Nd-150
-22.28 To 396.0 %



MAT 6049

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

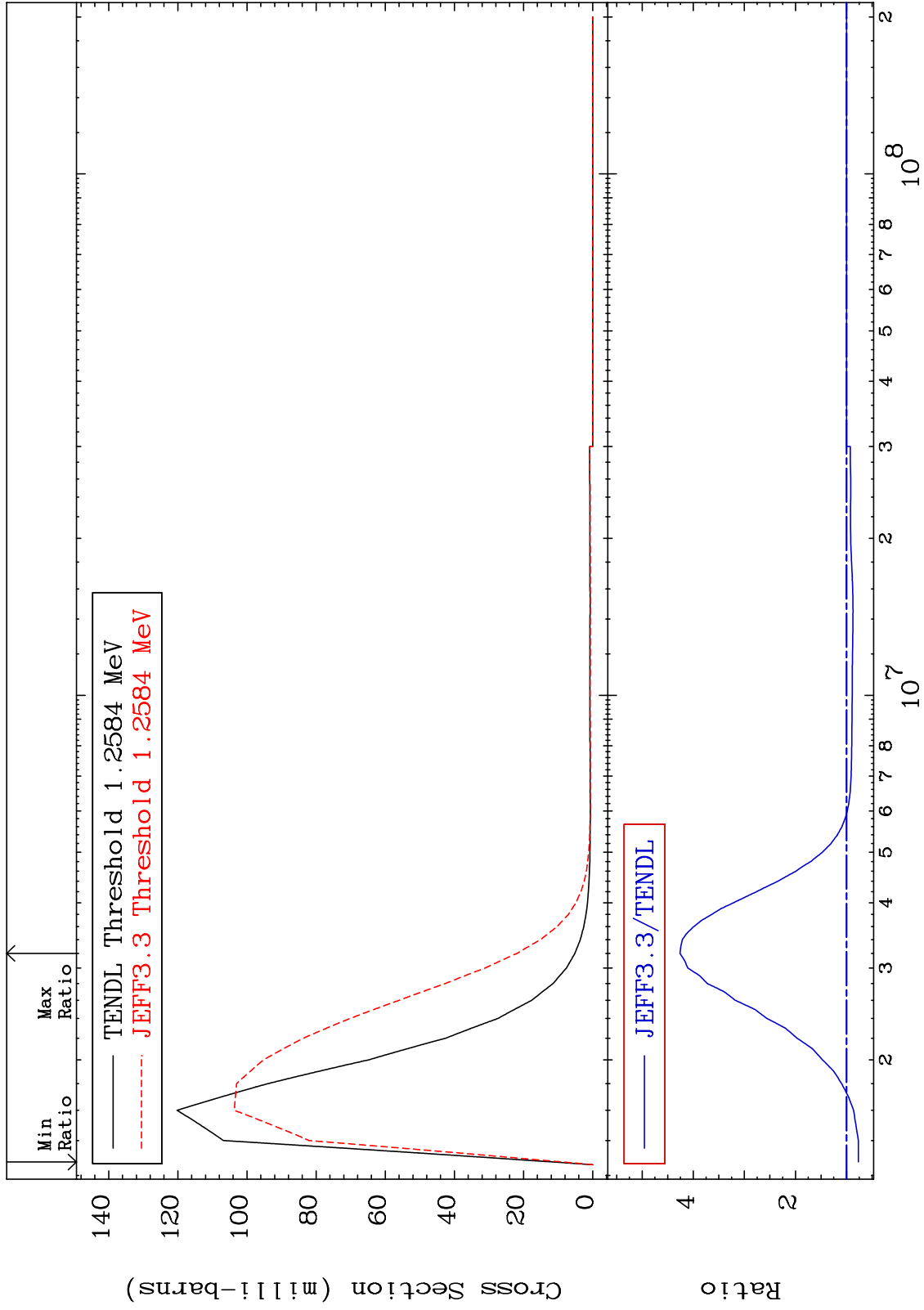
60-Nd-150
-27.29 To 370.8 %



MAT 6049

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

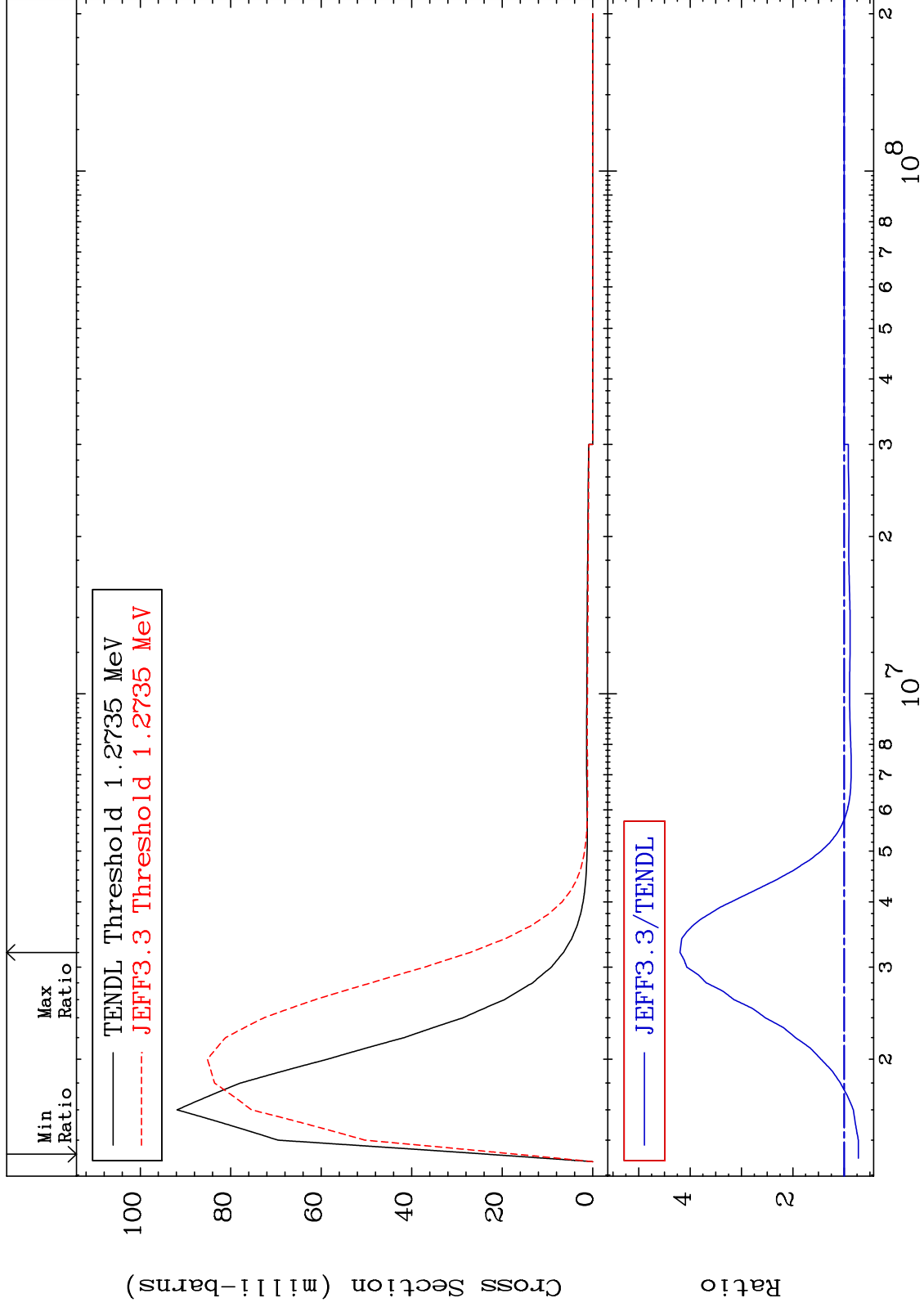
60-Nd-150
-23.23 To 325.9 %



MAT 6049

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

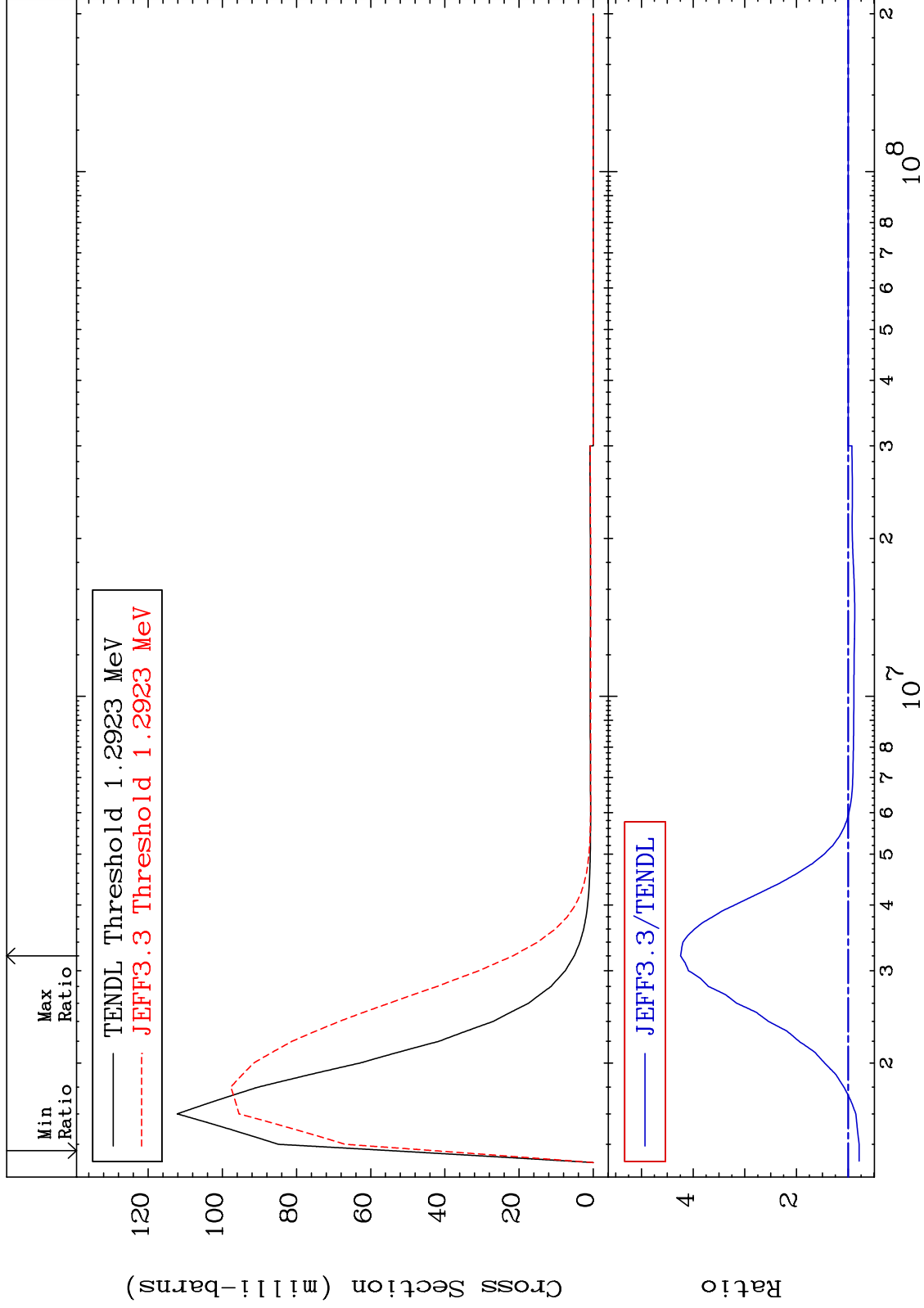
60-Nd-150
-27.64 To 319.6 %



MAT 6049

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

60-Nd-150
-21.27 To 324.2 %



35

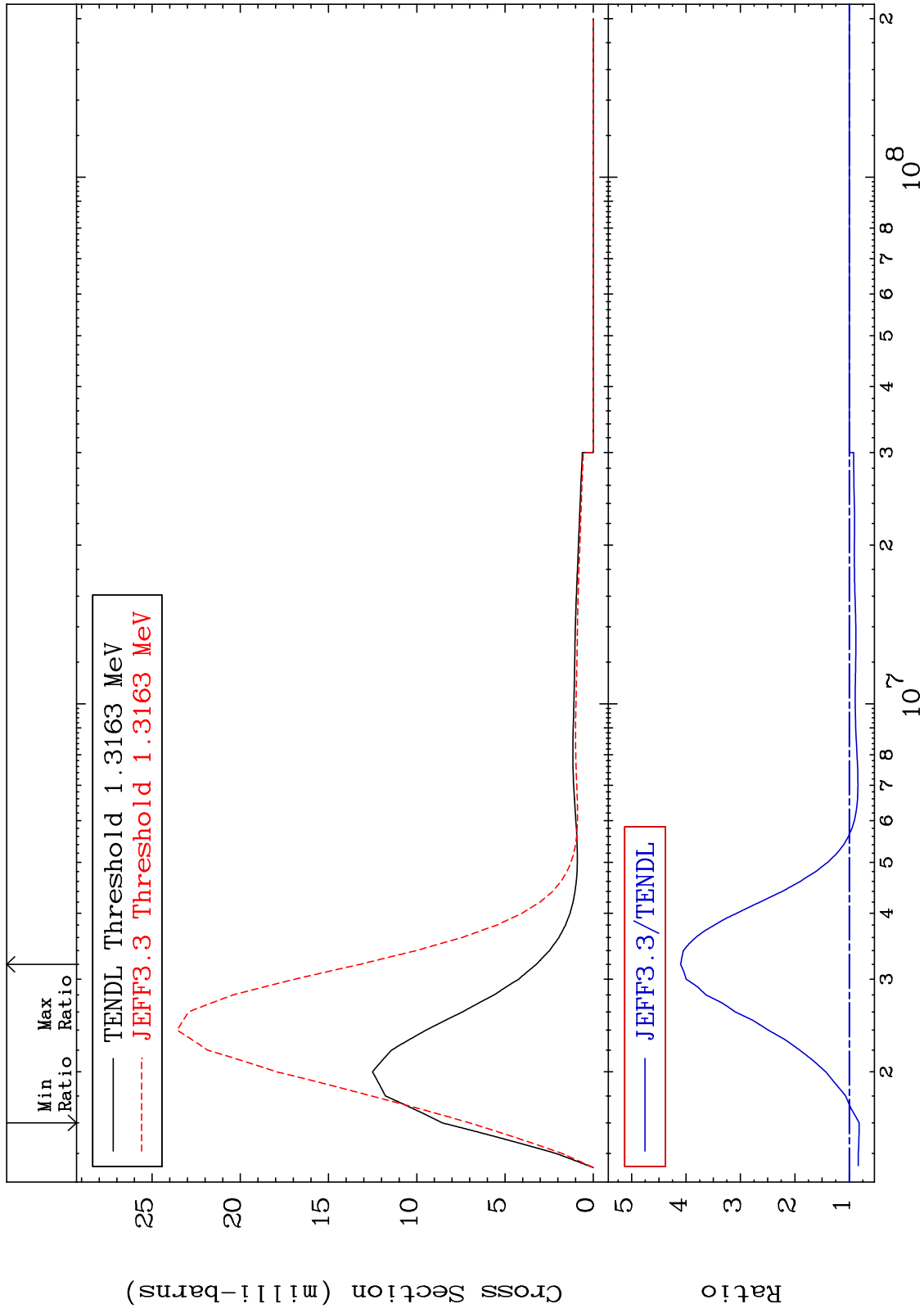
Incident Energy (eV)

60-Nd-150

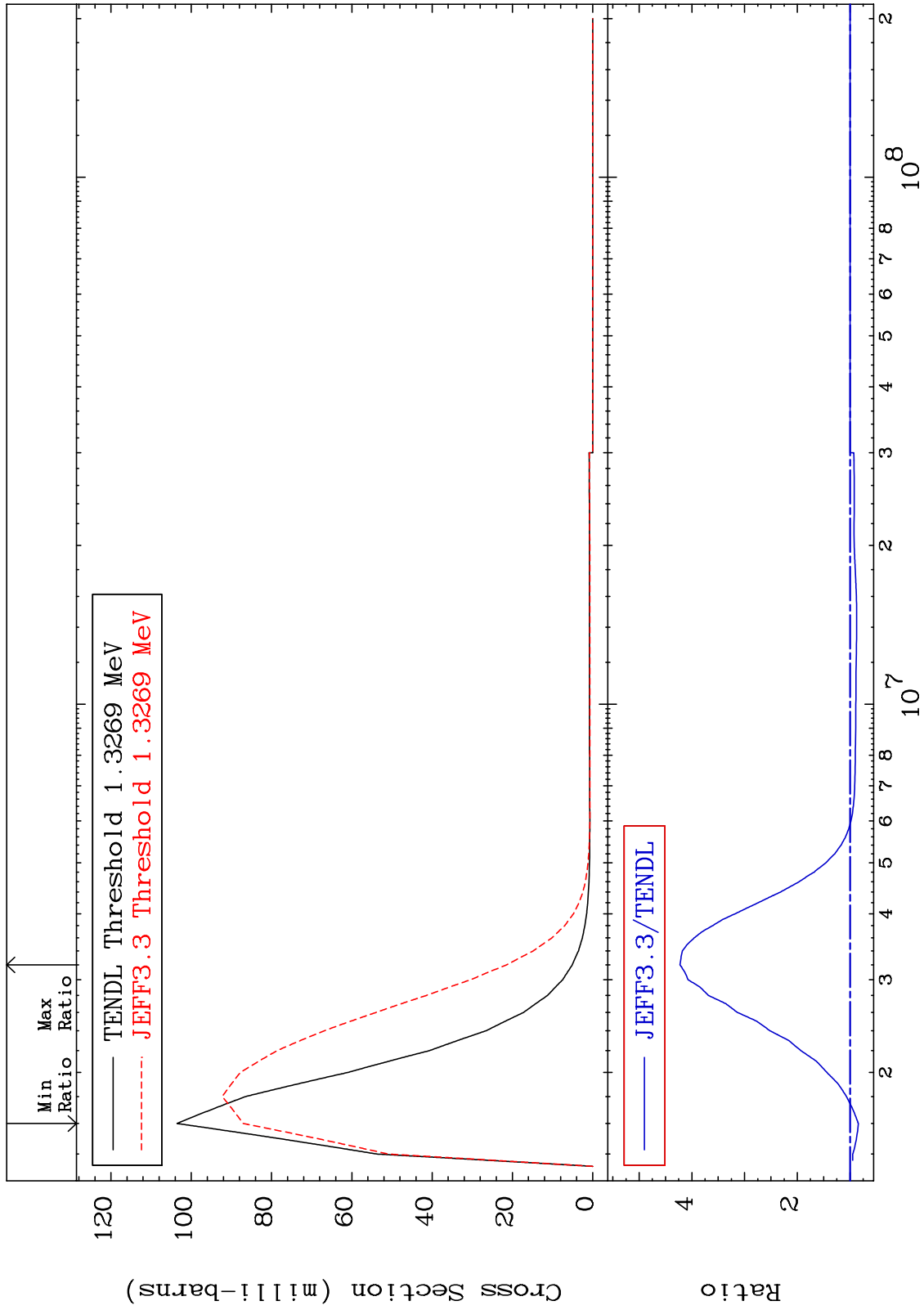
MAT 6049

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

60-Nd-150
-18.08 To 310.0 %



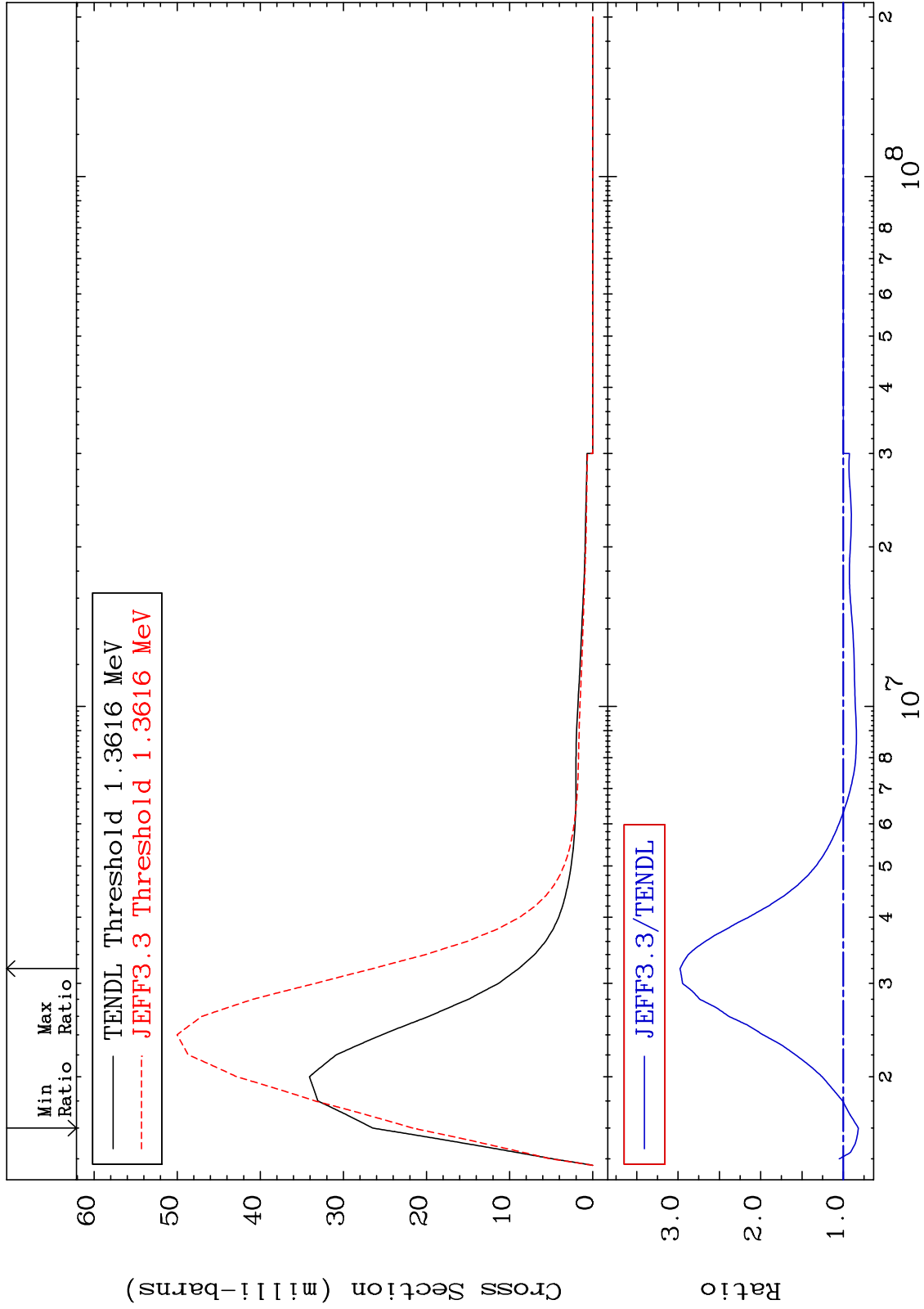
MAT 6049 MT= 68 (n,n') Level
 Cross Section 60-Nd-150
 -15.90 To 322.5 %



MAT 6049

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

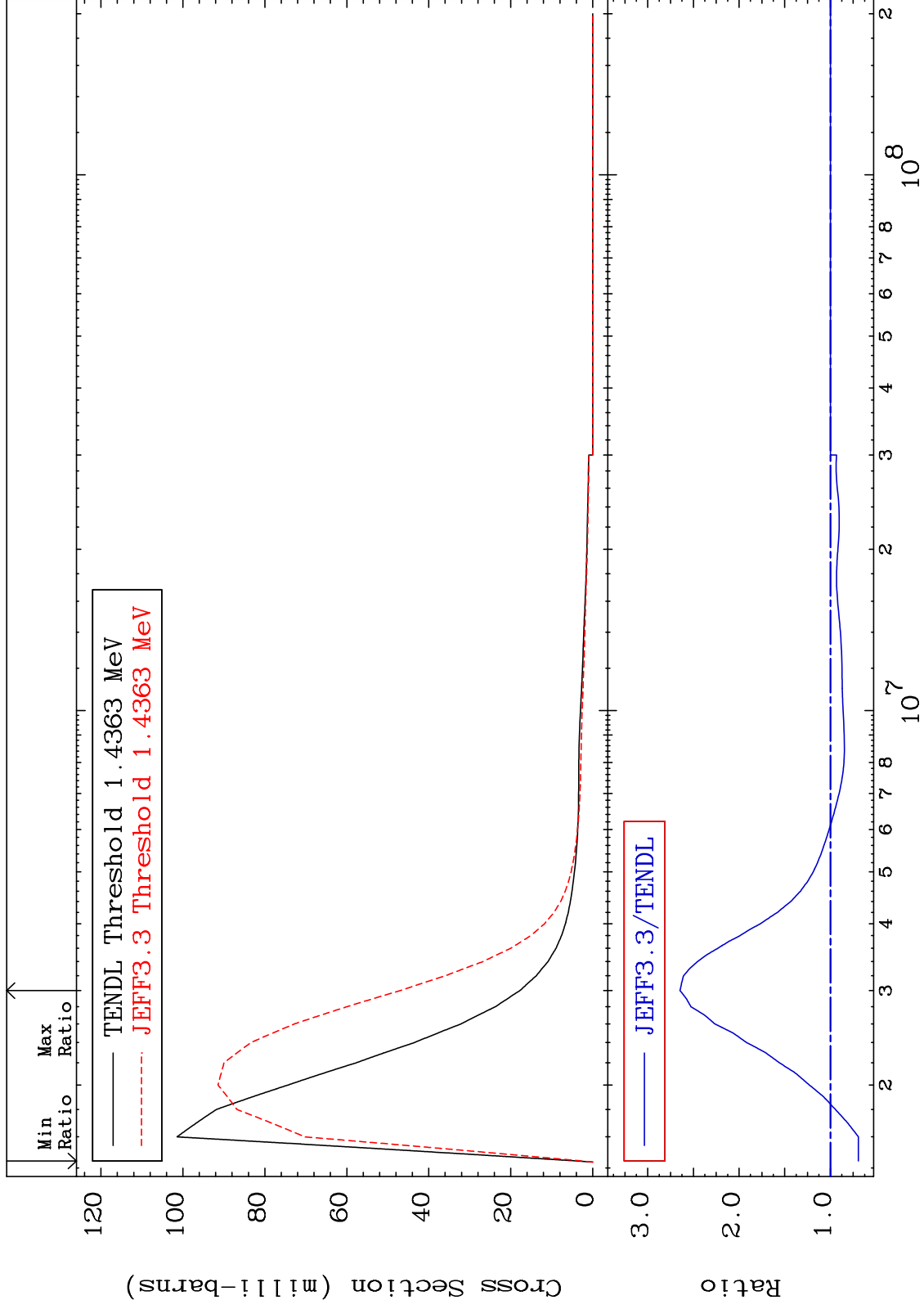
60-Nd-150
-18.24 To 197.7 %



MAT 6049

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

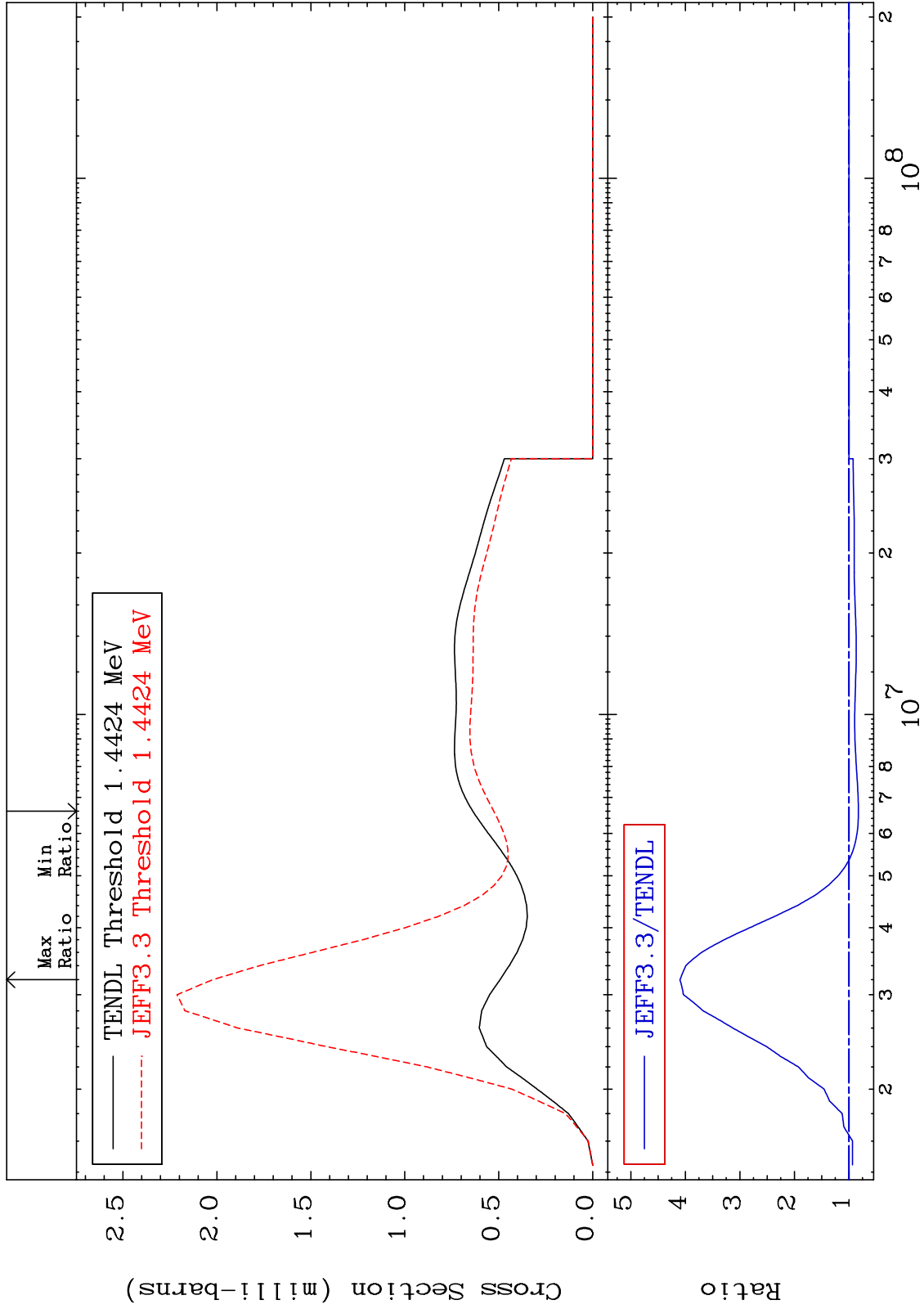
60-Nd-150
-30.70 To 164.7 %



MAT 6049

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

60-Nd-150
-17.44 To 309.7 %



40

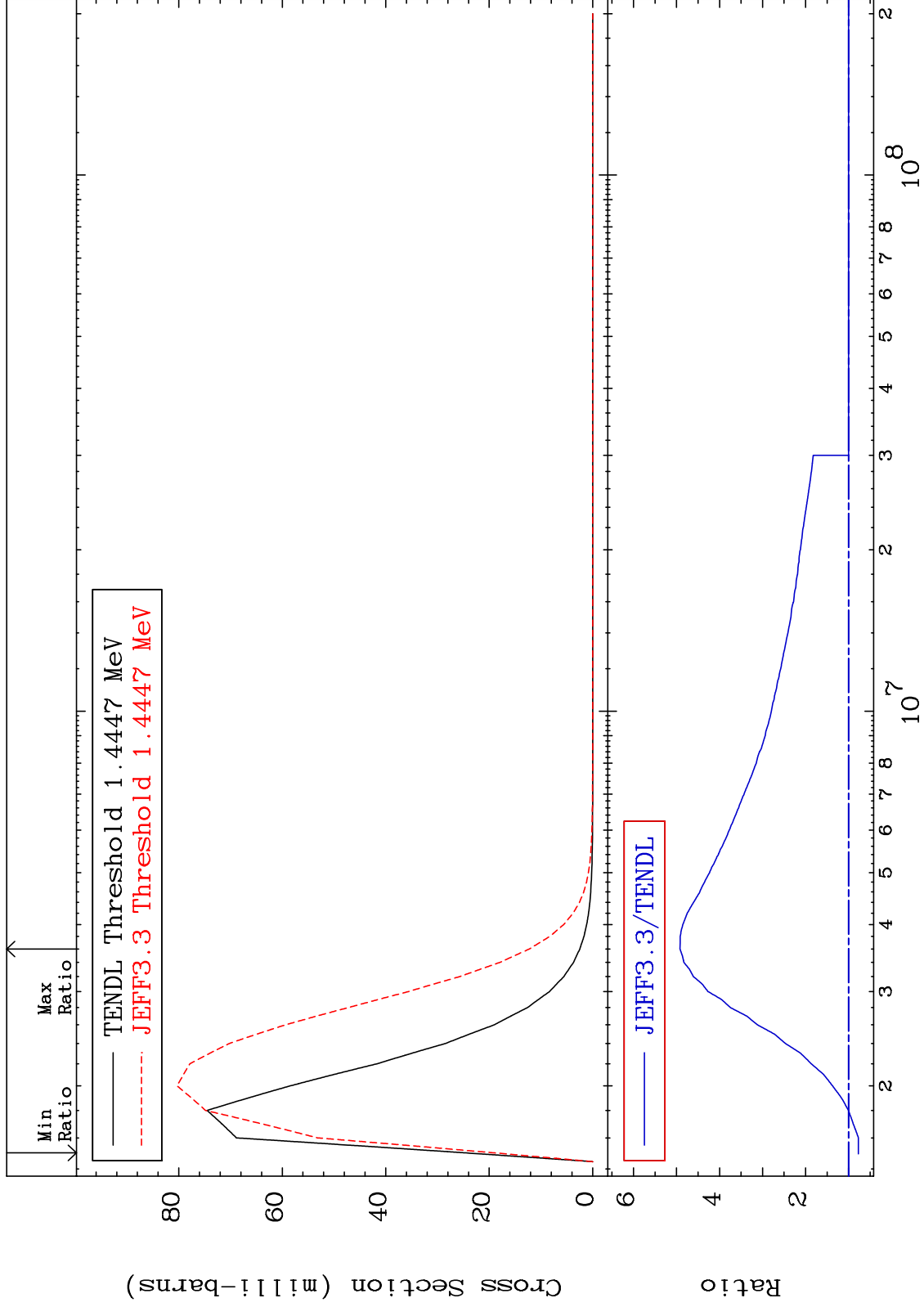
Incident Energy (eV)

60-Nd-150

MAT 6049

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

60-Nd-150
-22.76 To 391.9 %



41

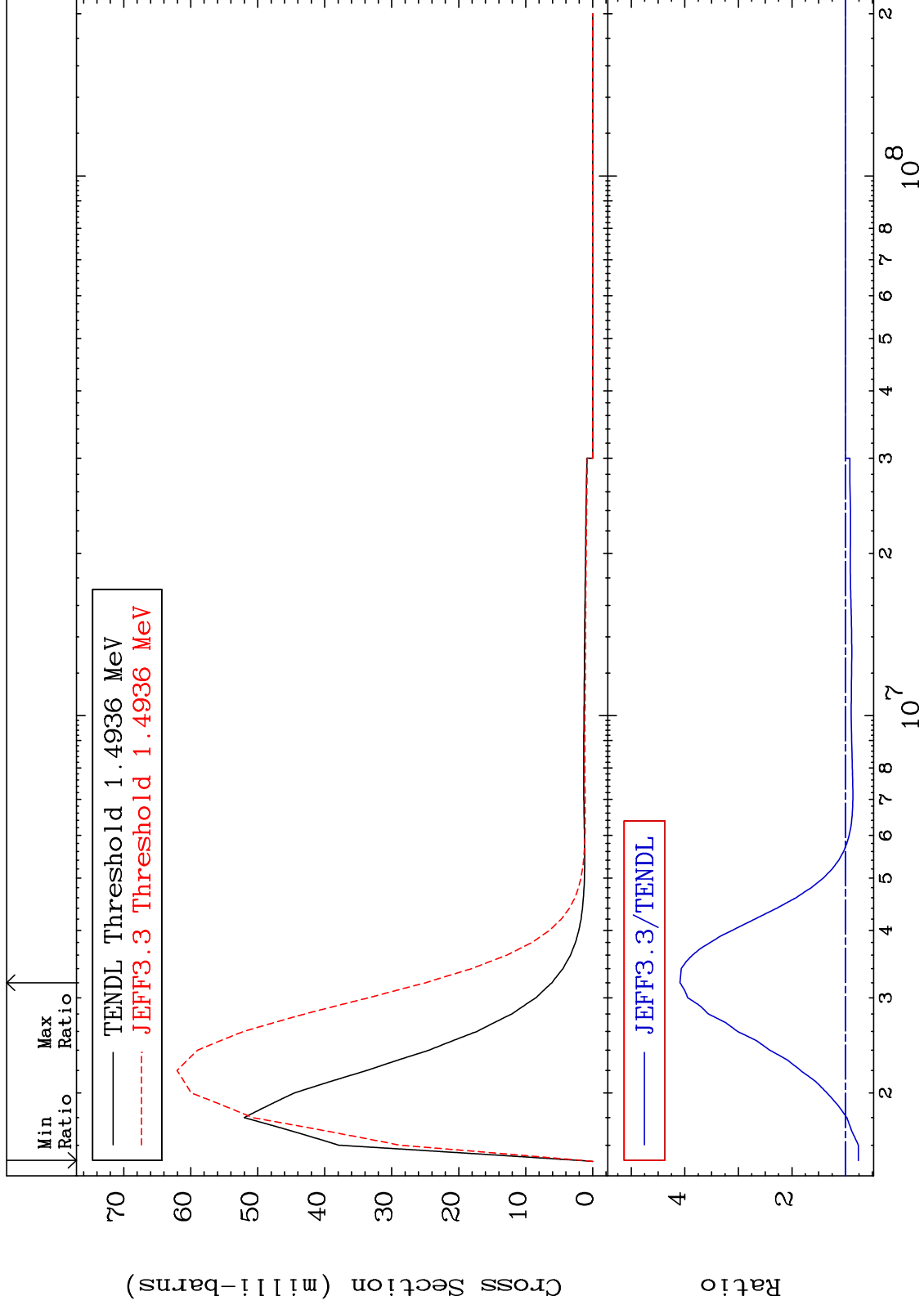
Incident Energy (eV)

60-Nd-150

MAT 6049

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

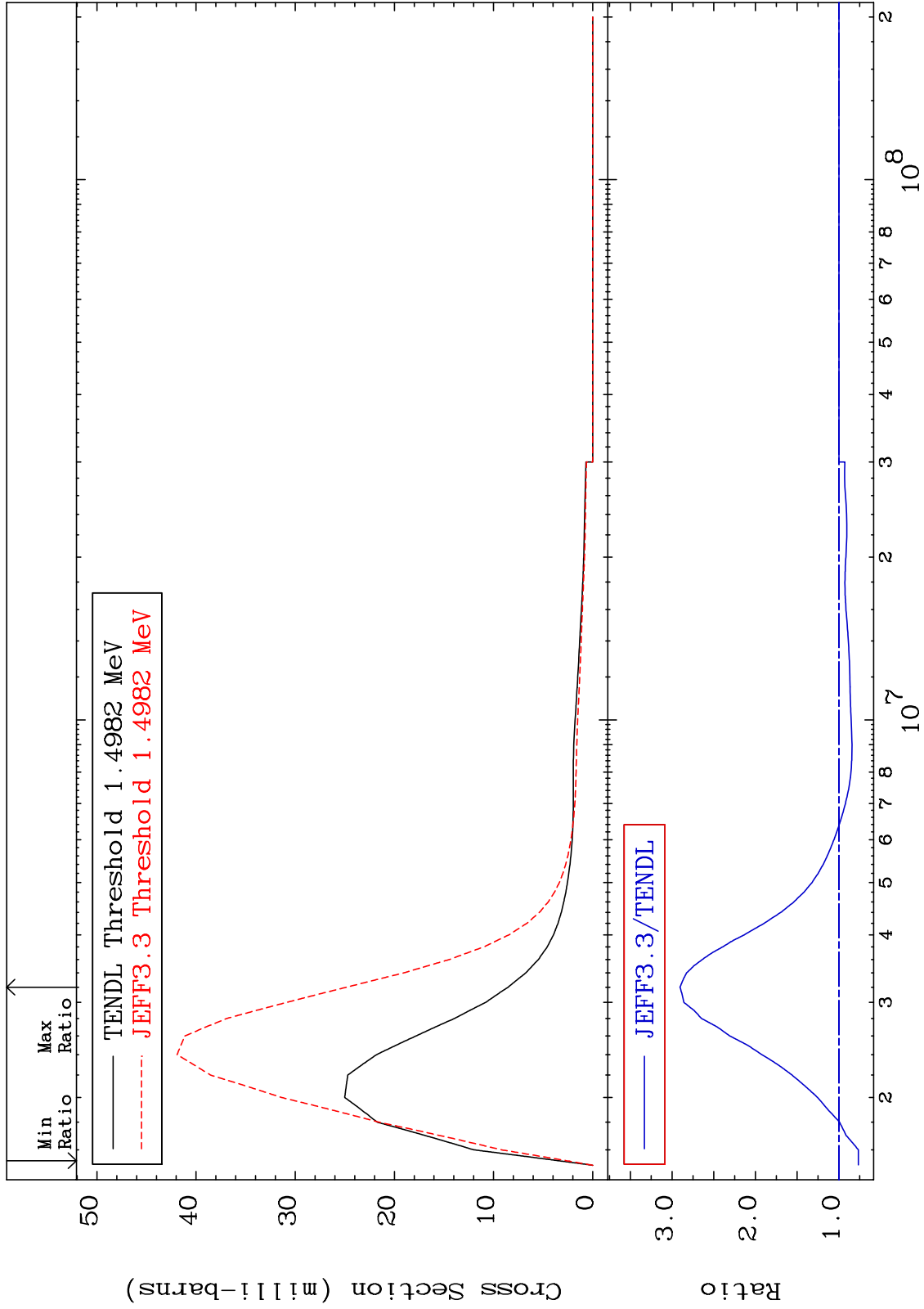
60-Nd-150
-24.01 To 309.0 %



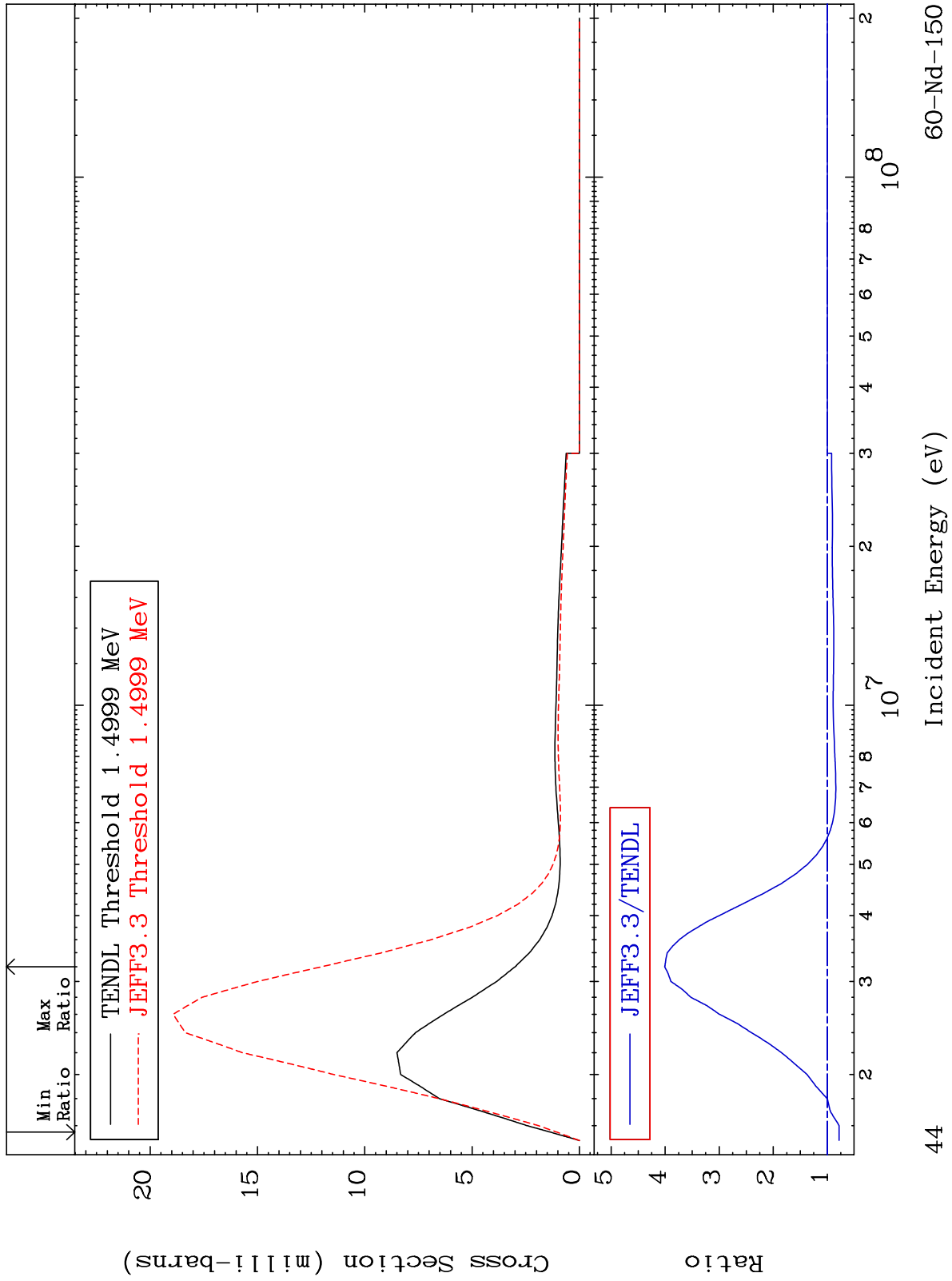
MAT 6049

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

60-Nd-150
-23.44 To 190.5 %



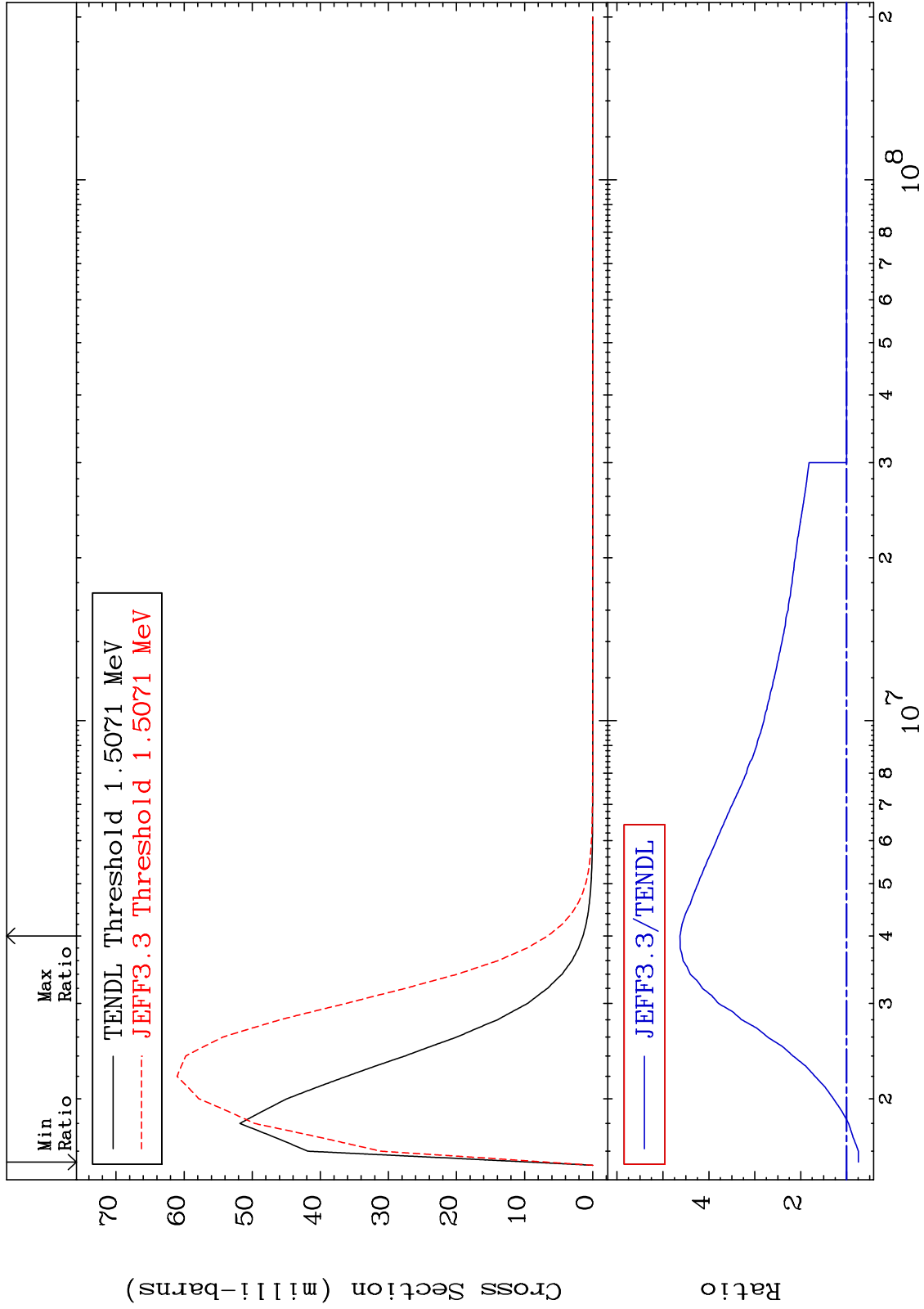
MAT 6049 MT= 75 (n,n') Level
 Cross Section 60-Nd-150
 -21.89 To 300.8 %



MAT 6049

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

60-Nd-150
-25.57 To 362.8 %



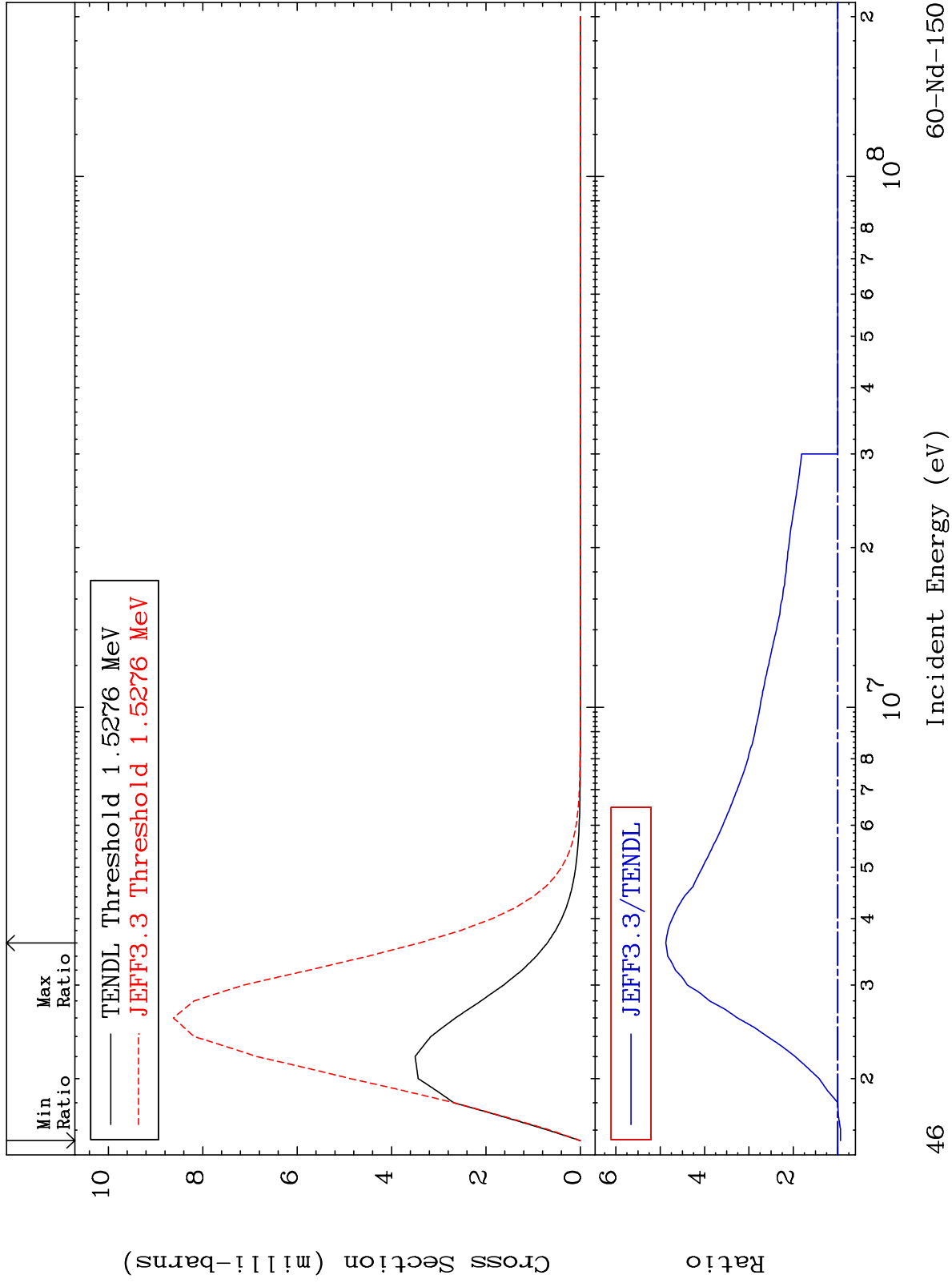
45

60-Nd-150

MAT 6049

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

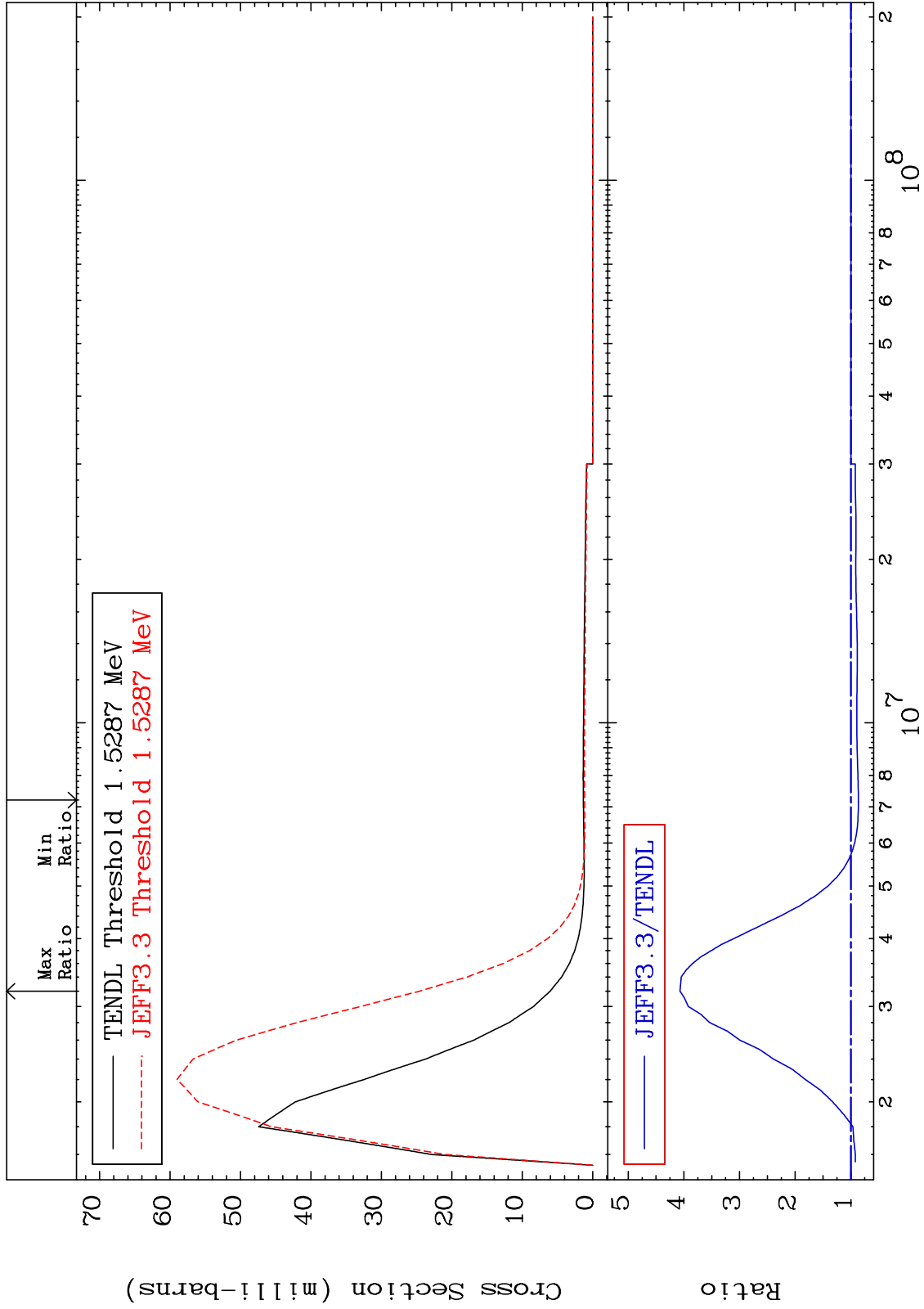
60-Nd-150
-6.461 To 387.2 %



MAT 6049

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

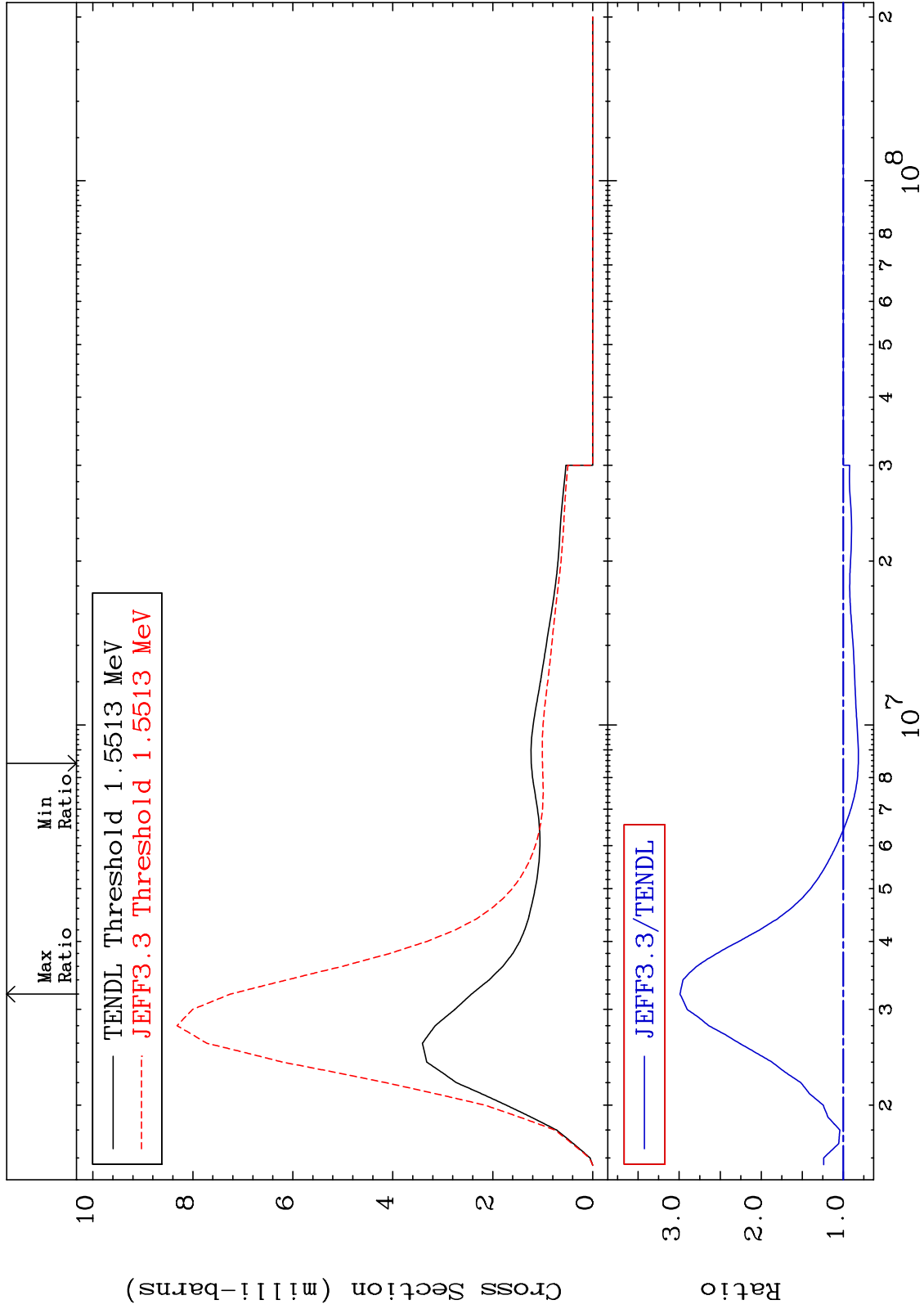
60-Nd-150
-13.60 To 307.0 %



MAT 6049

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

60-Nd-150
-18.30 To 199.0 %



48

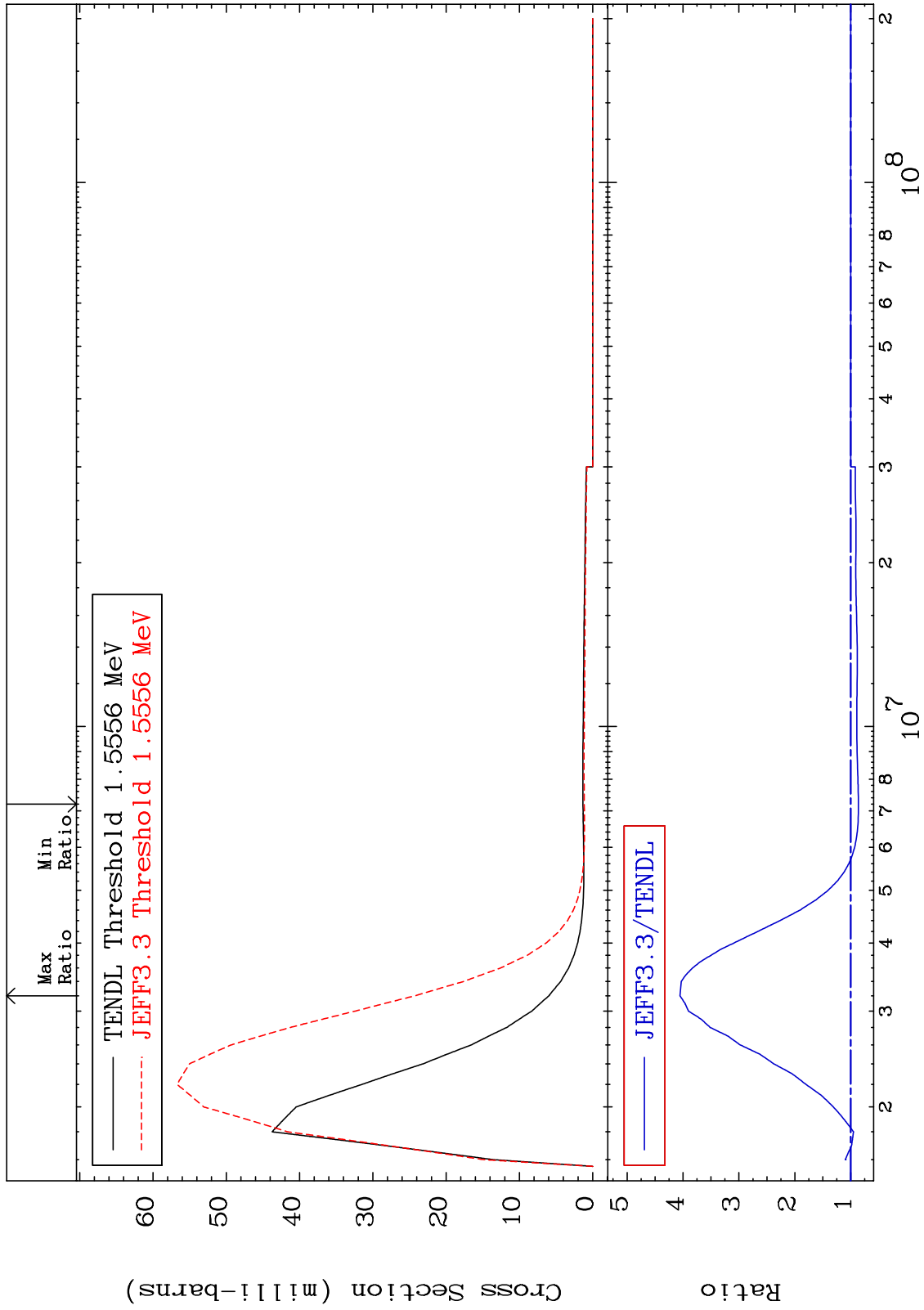
Incident Energy (eV)

60-Nd-150

MAT 6049

MT= 80 (n,n') Level
Cross Section

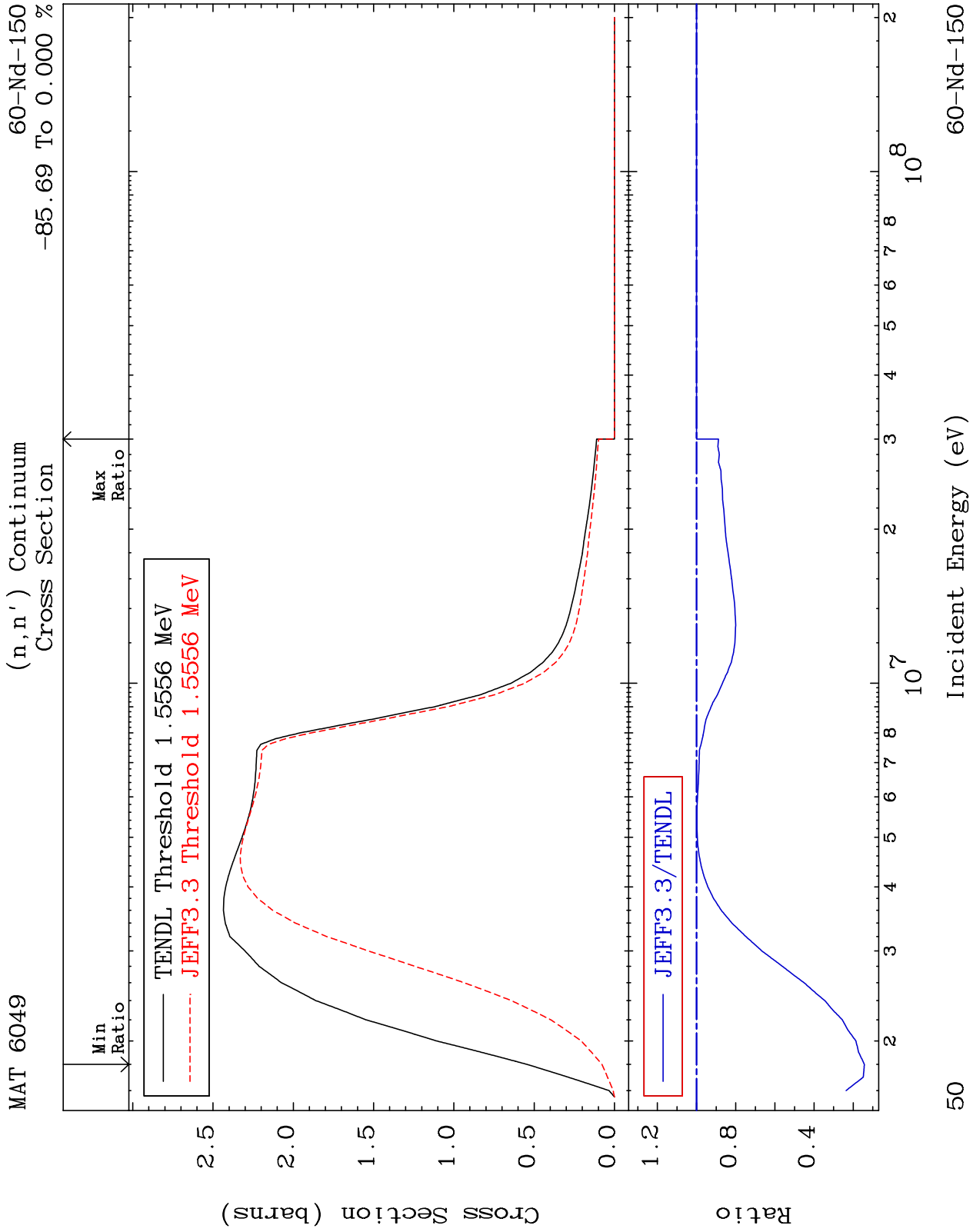
60-Nd-150
-13.59 To 305.4 %



49

Incident Energy (eV)

60-Nd-150



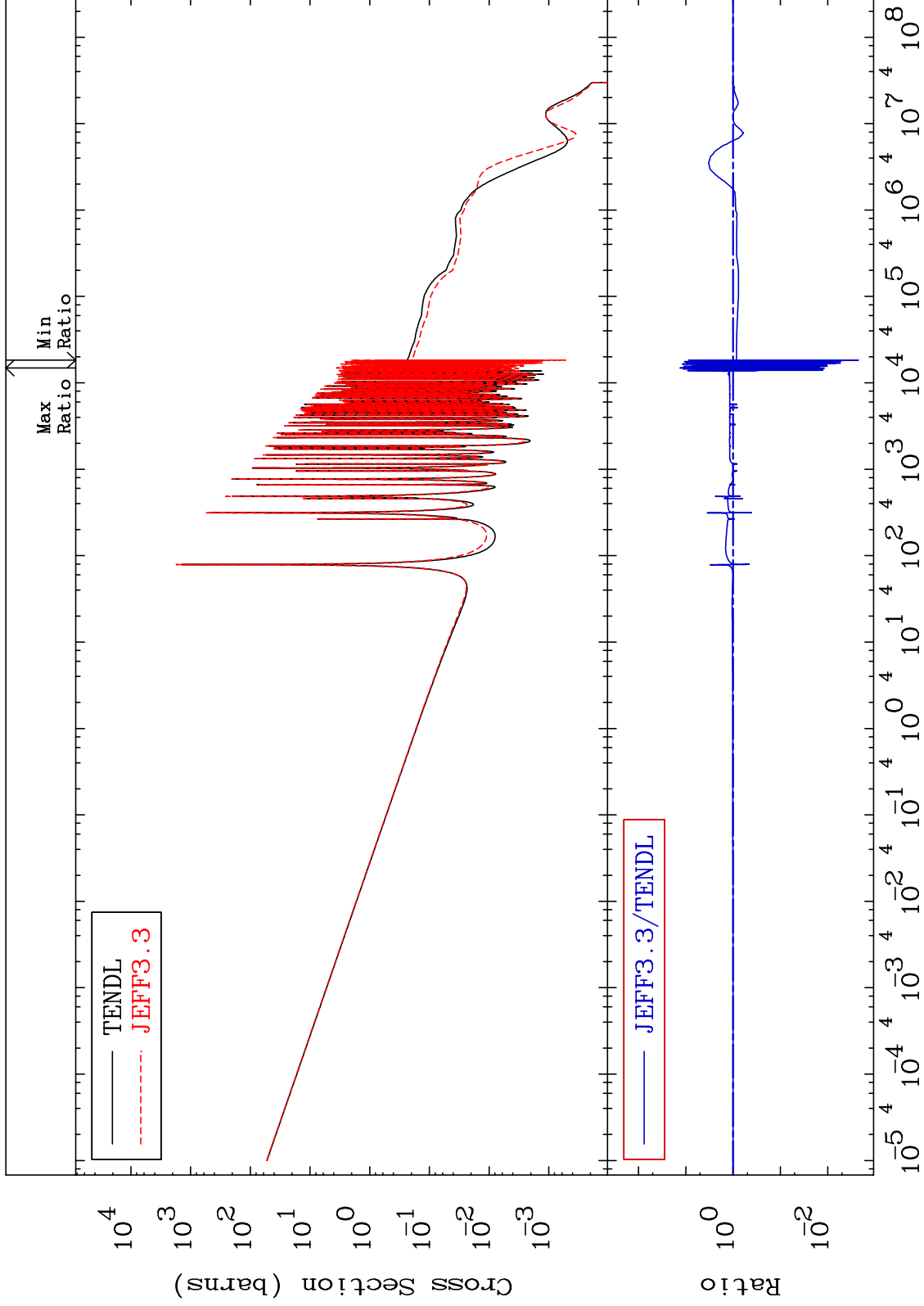
MAT 6049

(n, γ)

60-Nd-150

Cross Section

-99.78 To 1239. %



51

Incident Energy (eV)

60-Nd-150

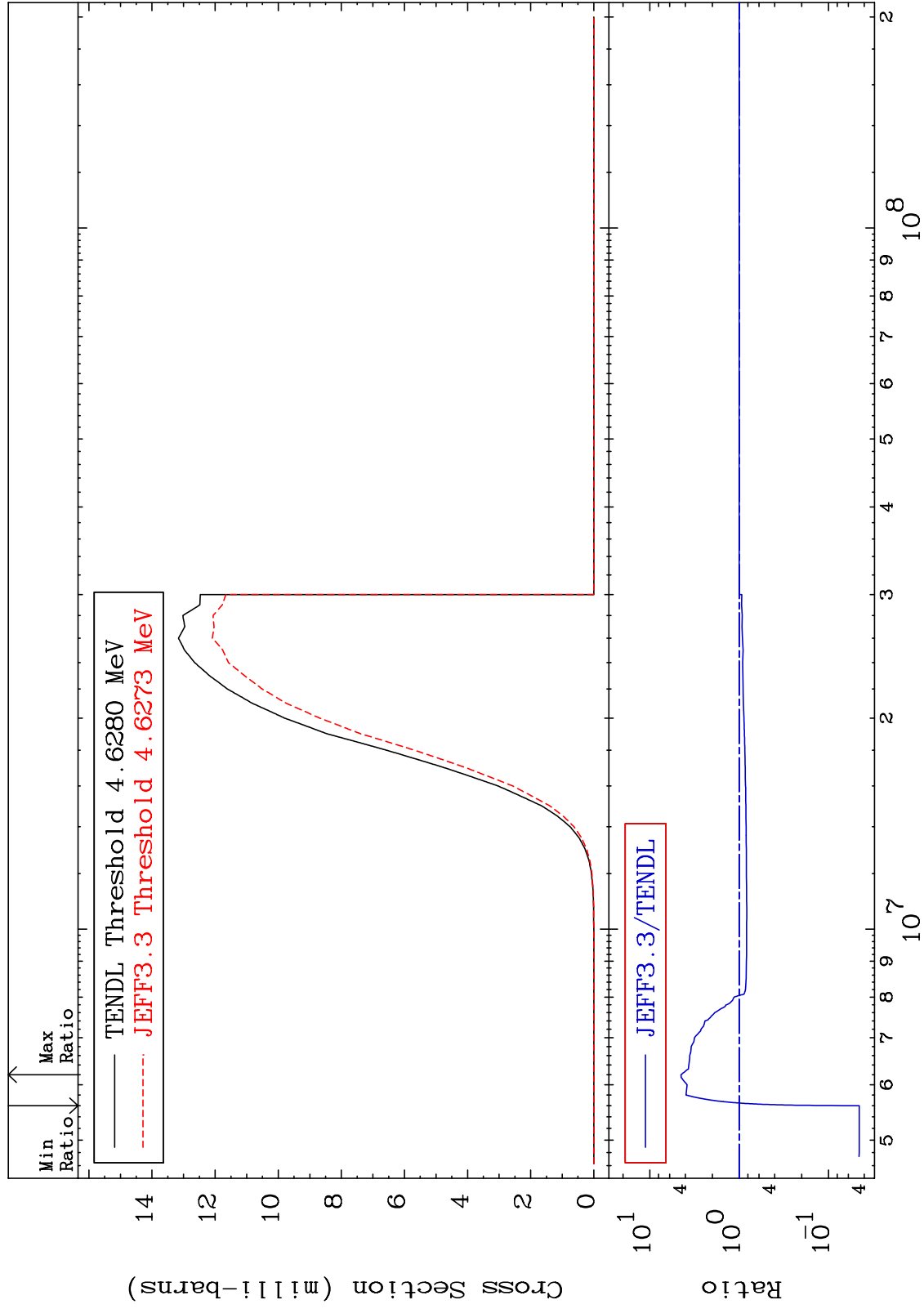
MAT 6049

(n, p)

60-Nd-150

Cross Section

-95.47 To 347.2 %



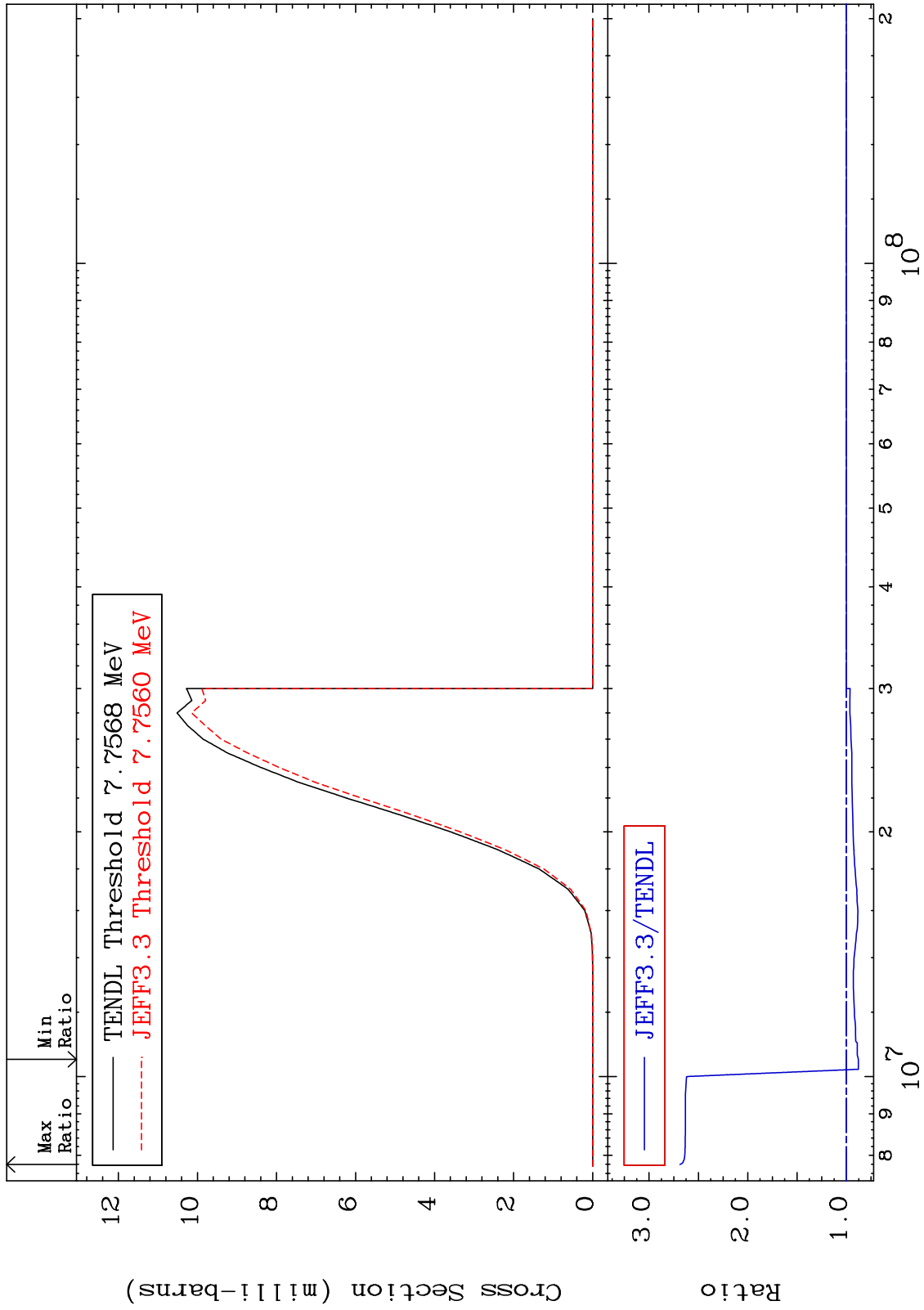
MAT 6049

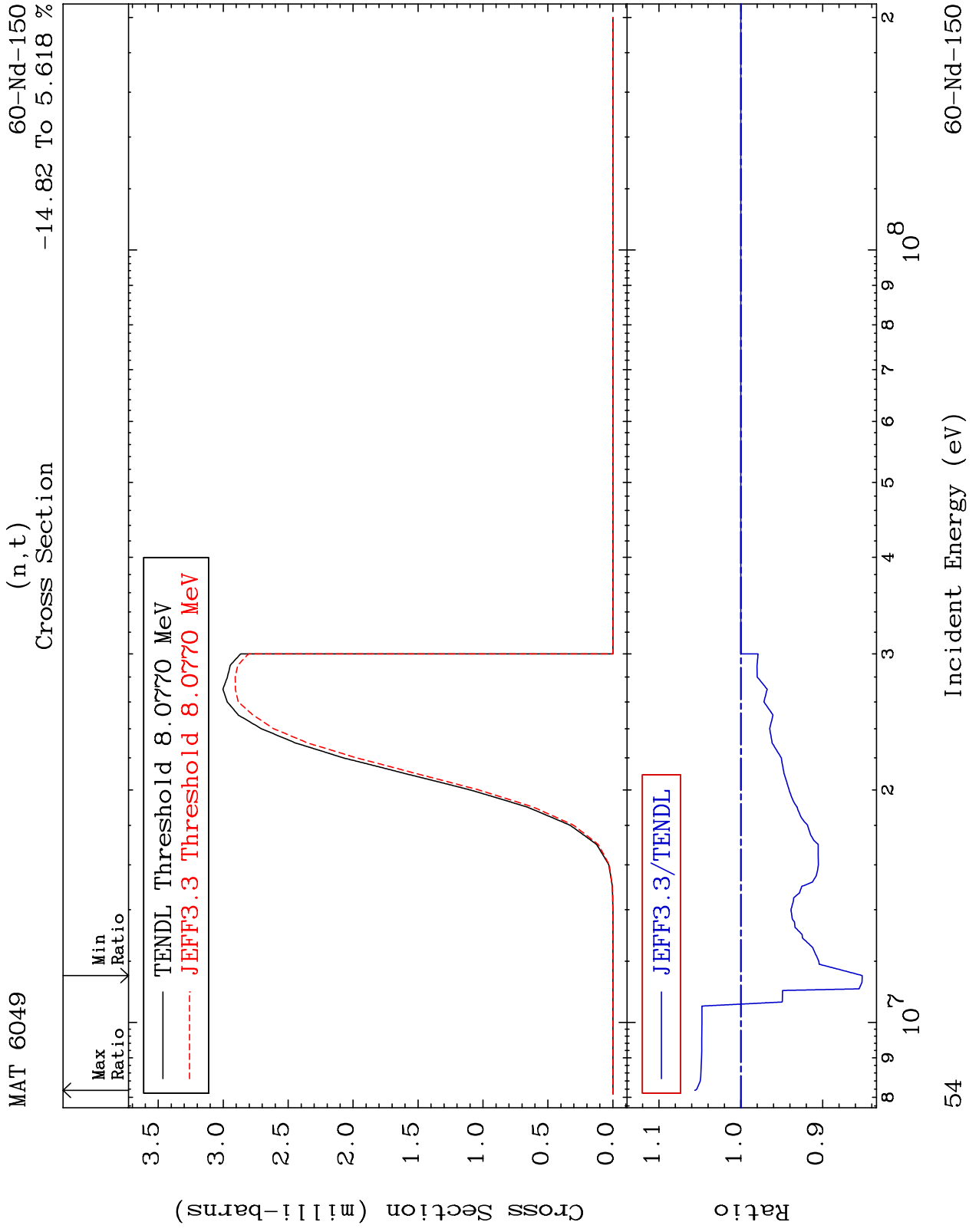
(n, d)

60-Nd-150

Cross Section

-12.19 To 168.6 %





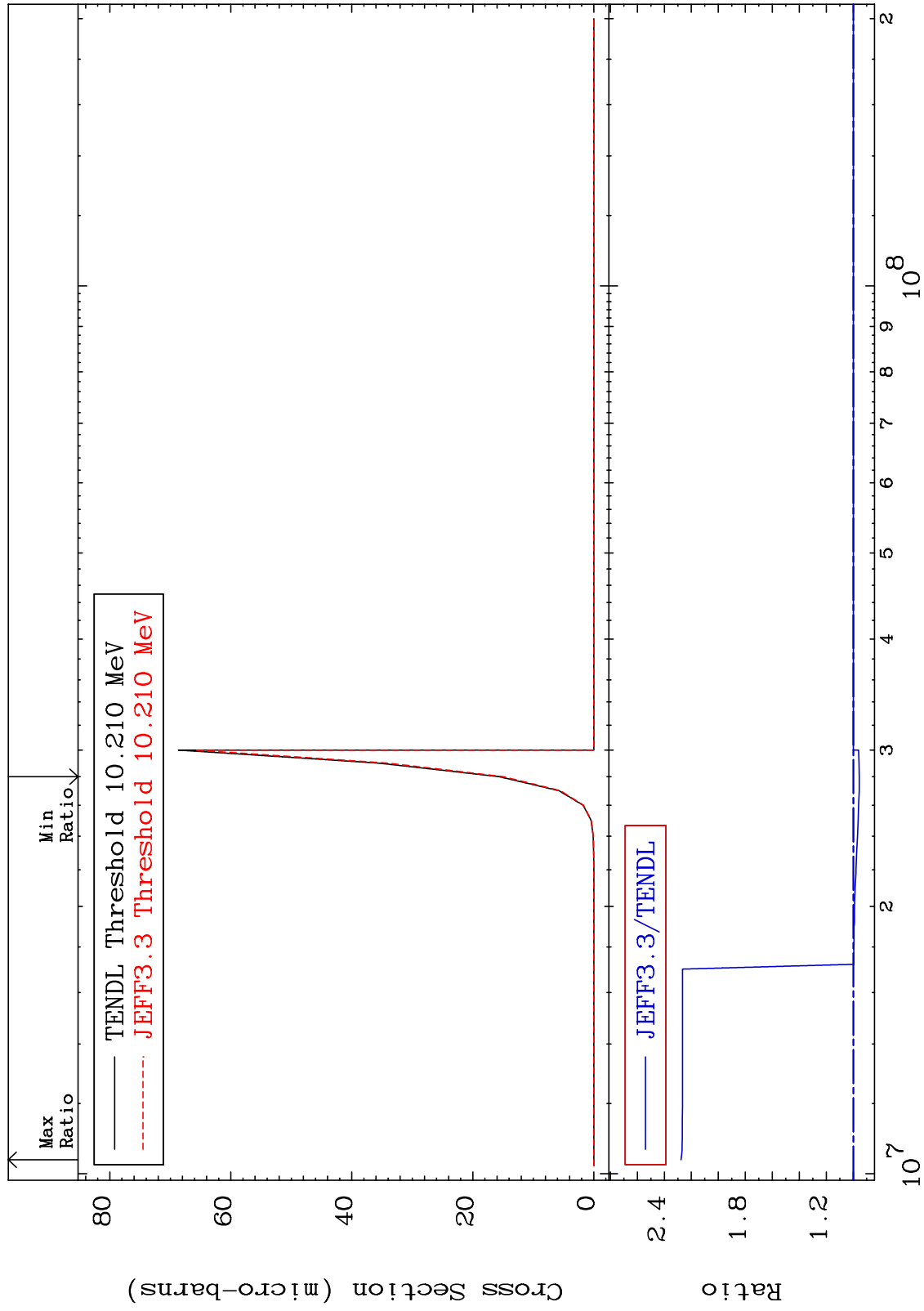
MAT 6049

(n, He-3)

60-Nd-150

Cross Section

-4.464 To 127.6 %



Incident Energy (eV)

60-Nd-150

55

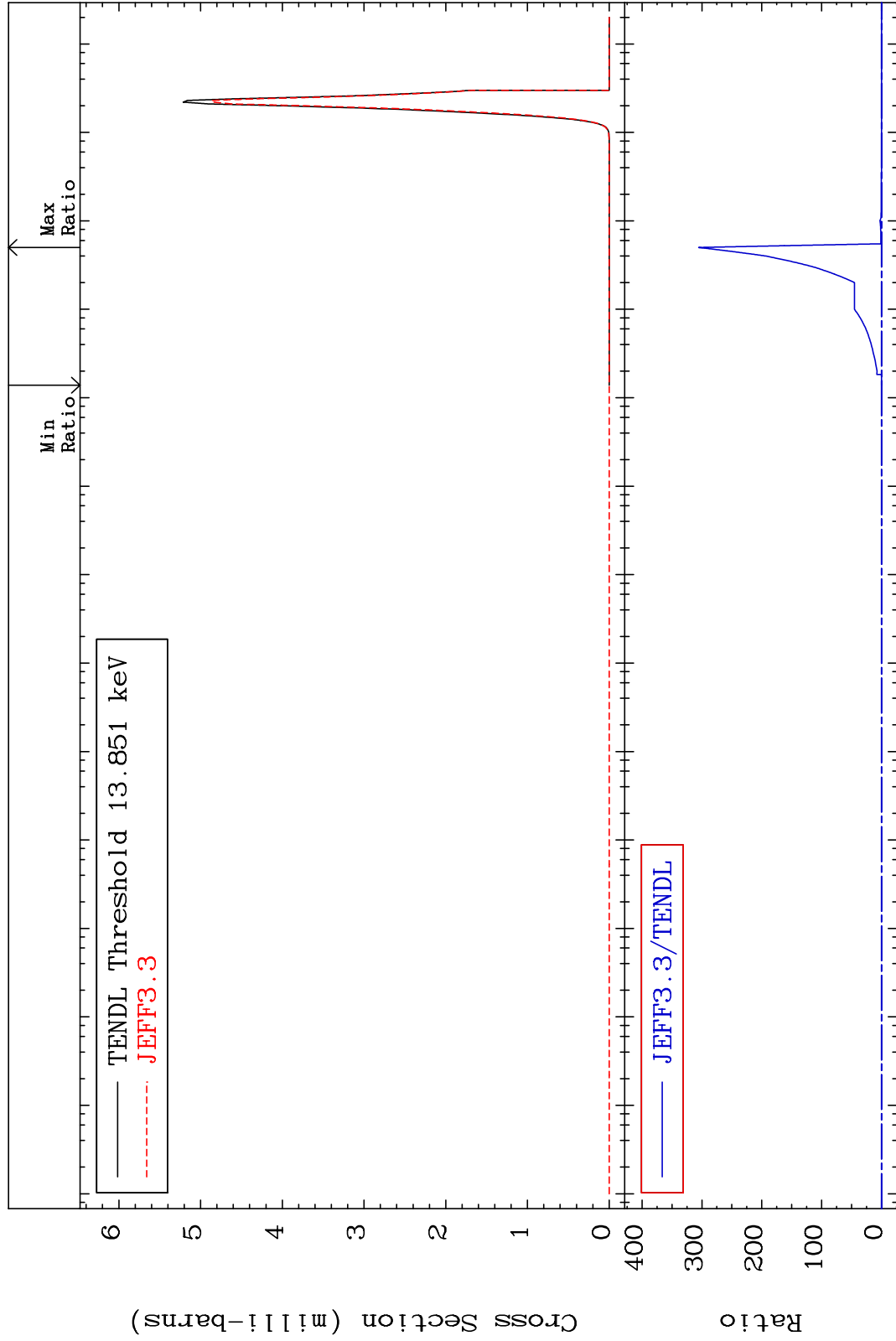
MAT 6049

(n, α)

60-Nd-150

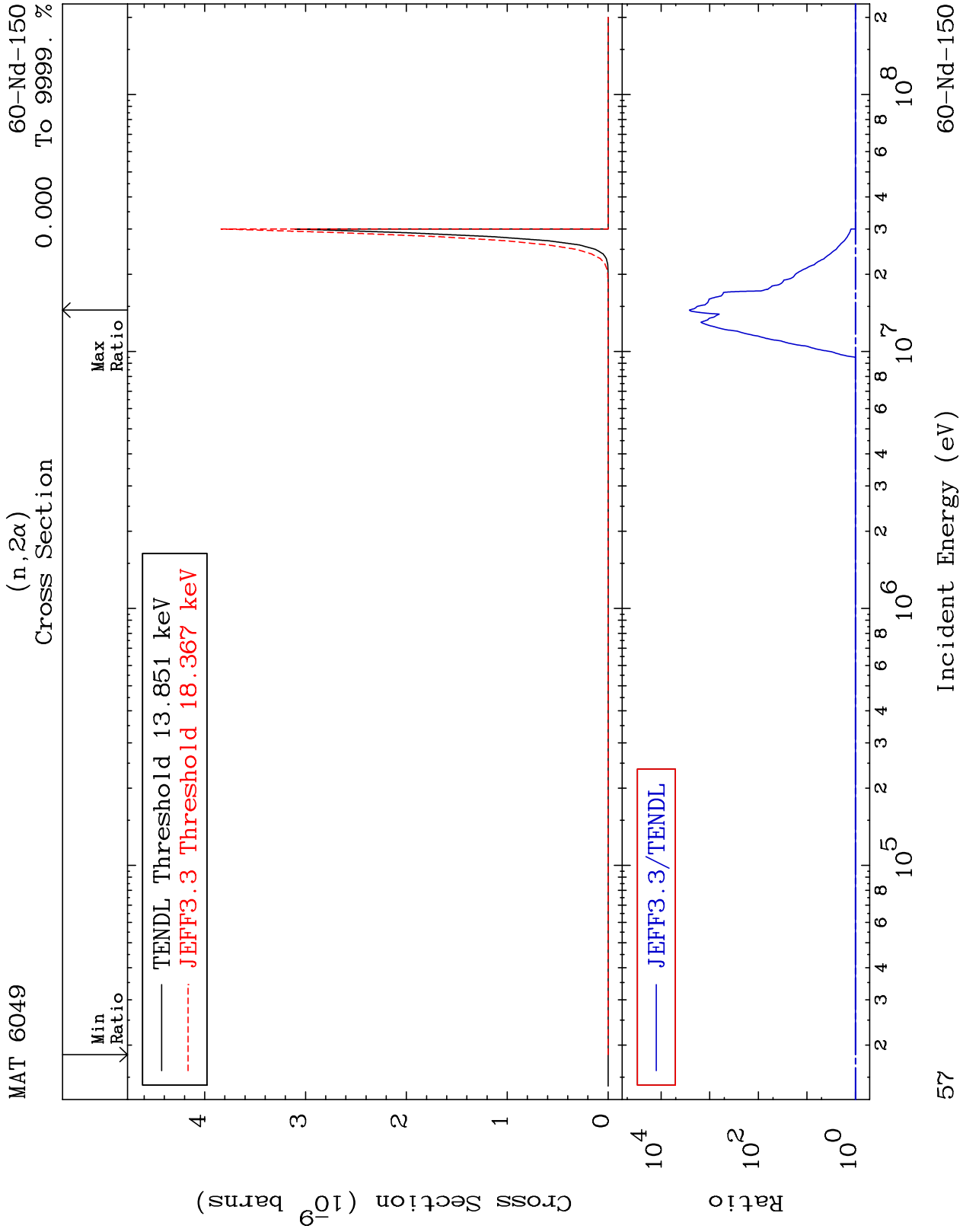
Cross Section

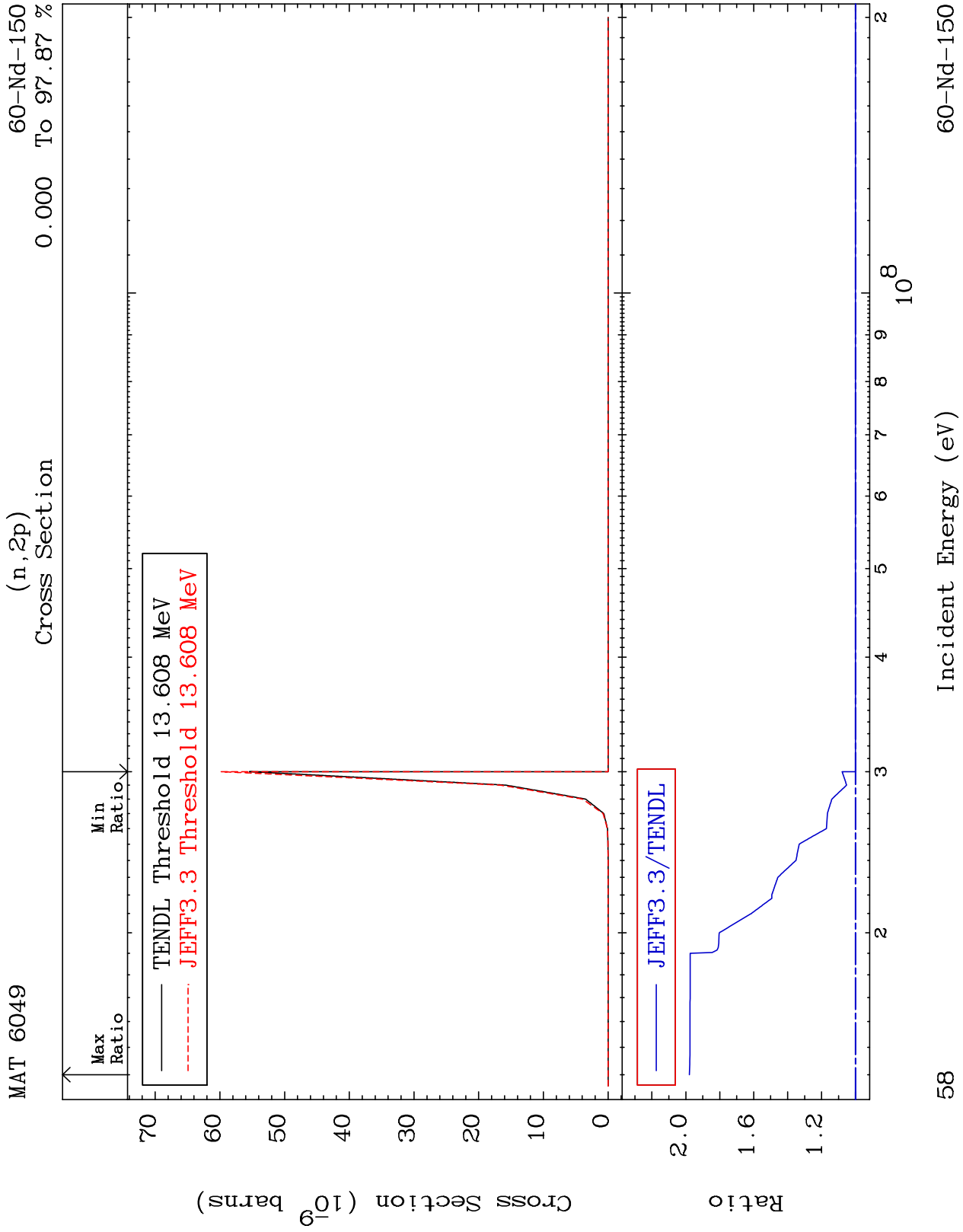
-100.0 To 9999. %



Min Ratio

Max Ratio





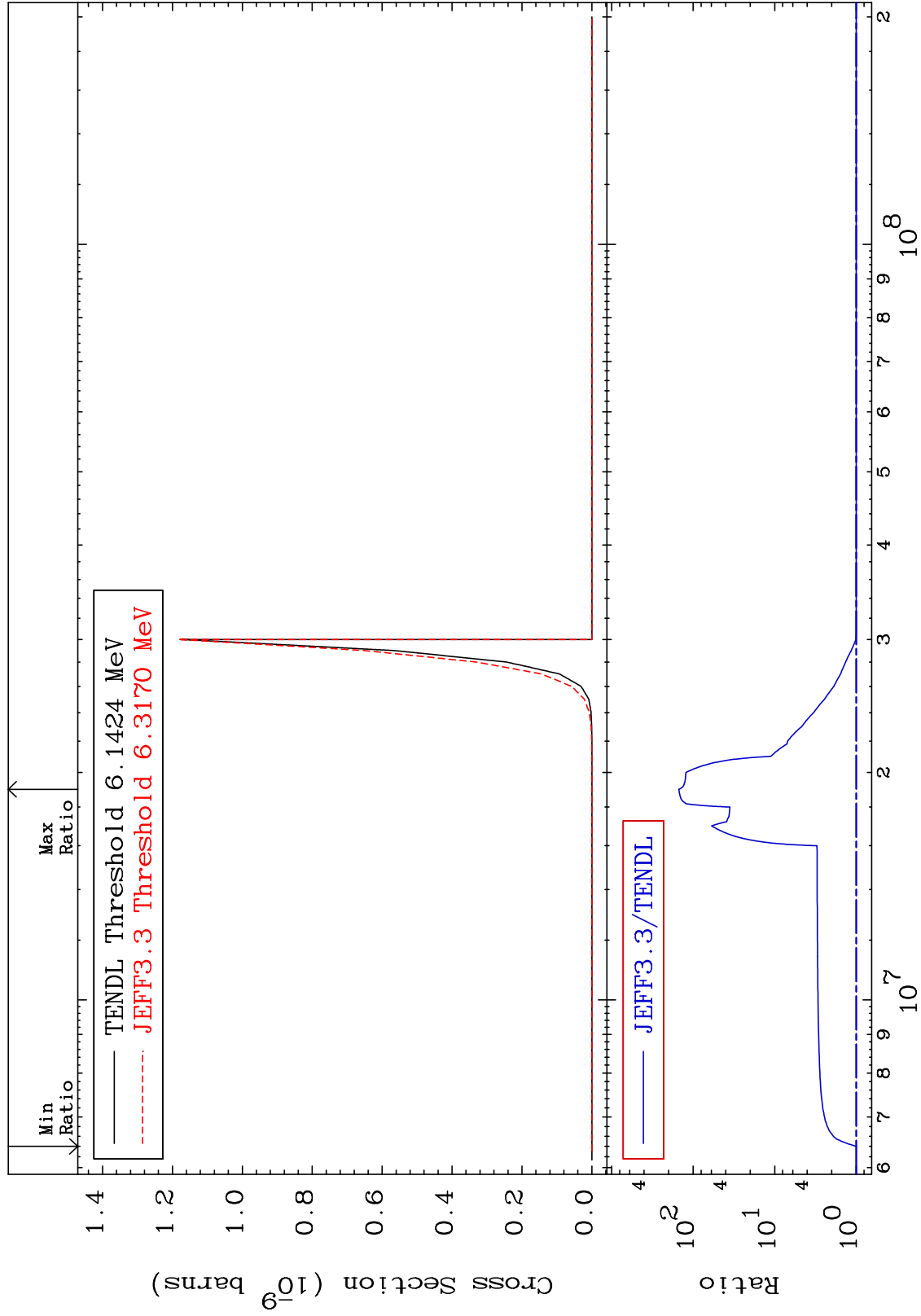
MAT 6049

(n,p) α

60-Nd-150

Cross Section

-0.773 To 9999. %



59

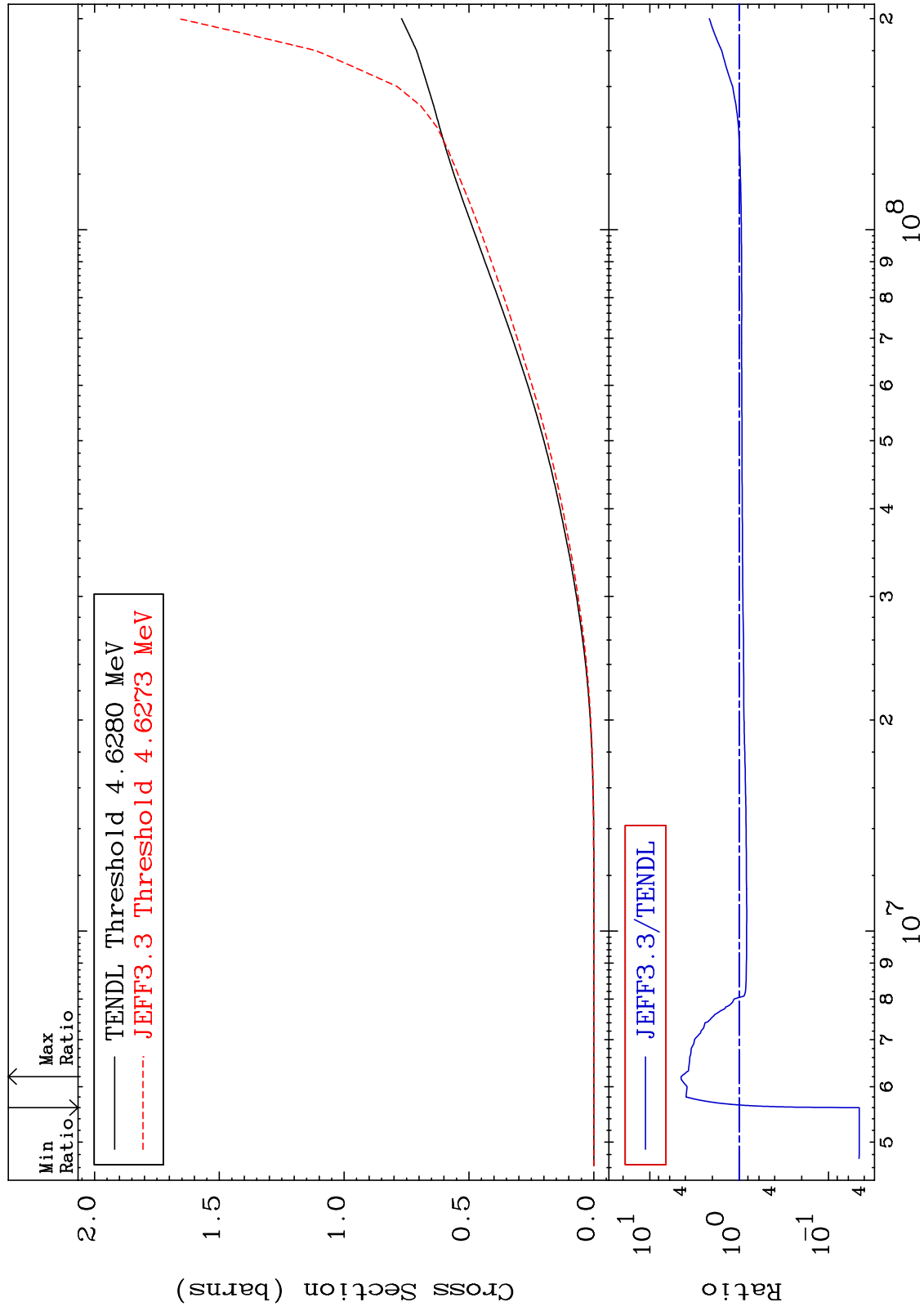
Incident Energy (eV)

60-Nd-150

MAT 6049

Hydrogen Production
Cross Section

60-Nd-150
-95.47 To 347.2 %



60

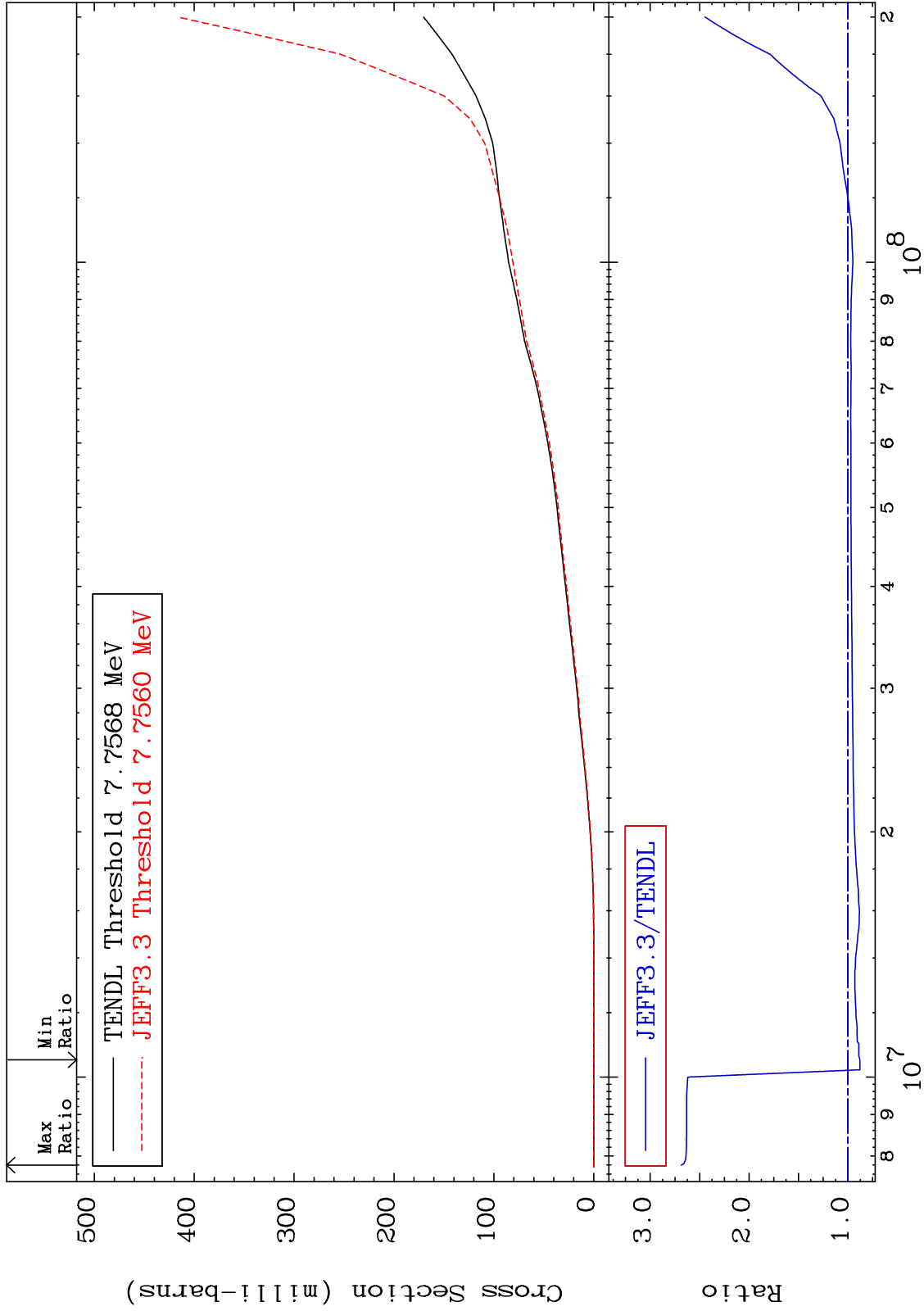
Incident Energy (eV)

60-Nd-150

MAT 6049

Deuterium Production
Cross Section

60-Nd-150
-12.19 To 168.6 %



61

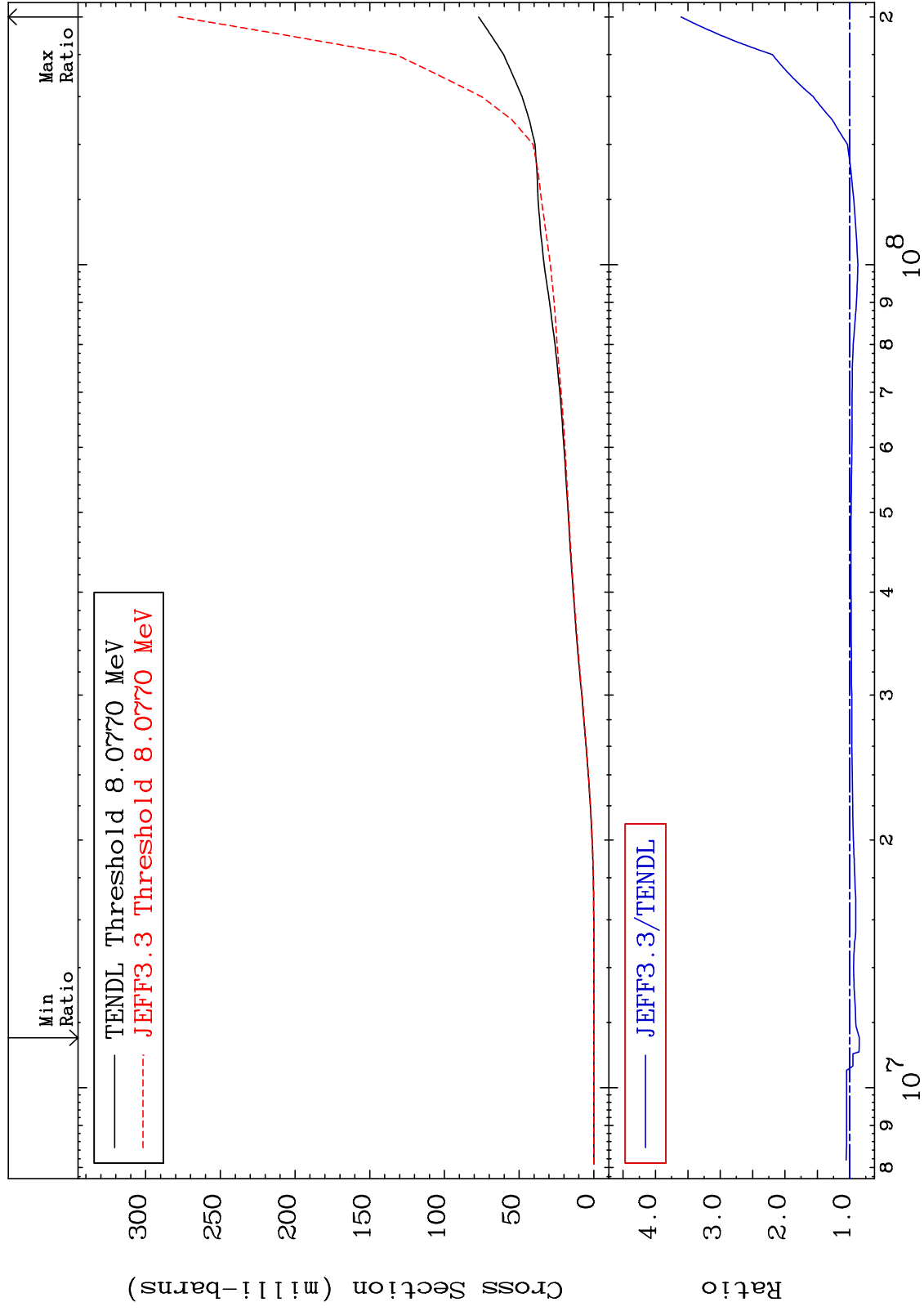
Incident Energy (eV)

60-Nd-150

MAT 6049

Tritium Production
Cross Section

60-Nd-150
-14.82 To 260.5 %



62

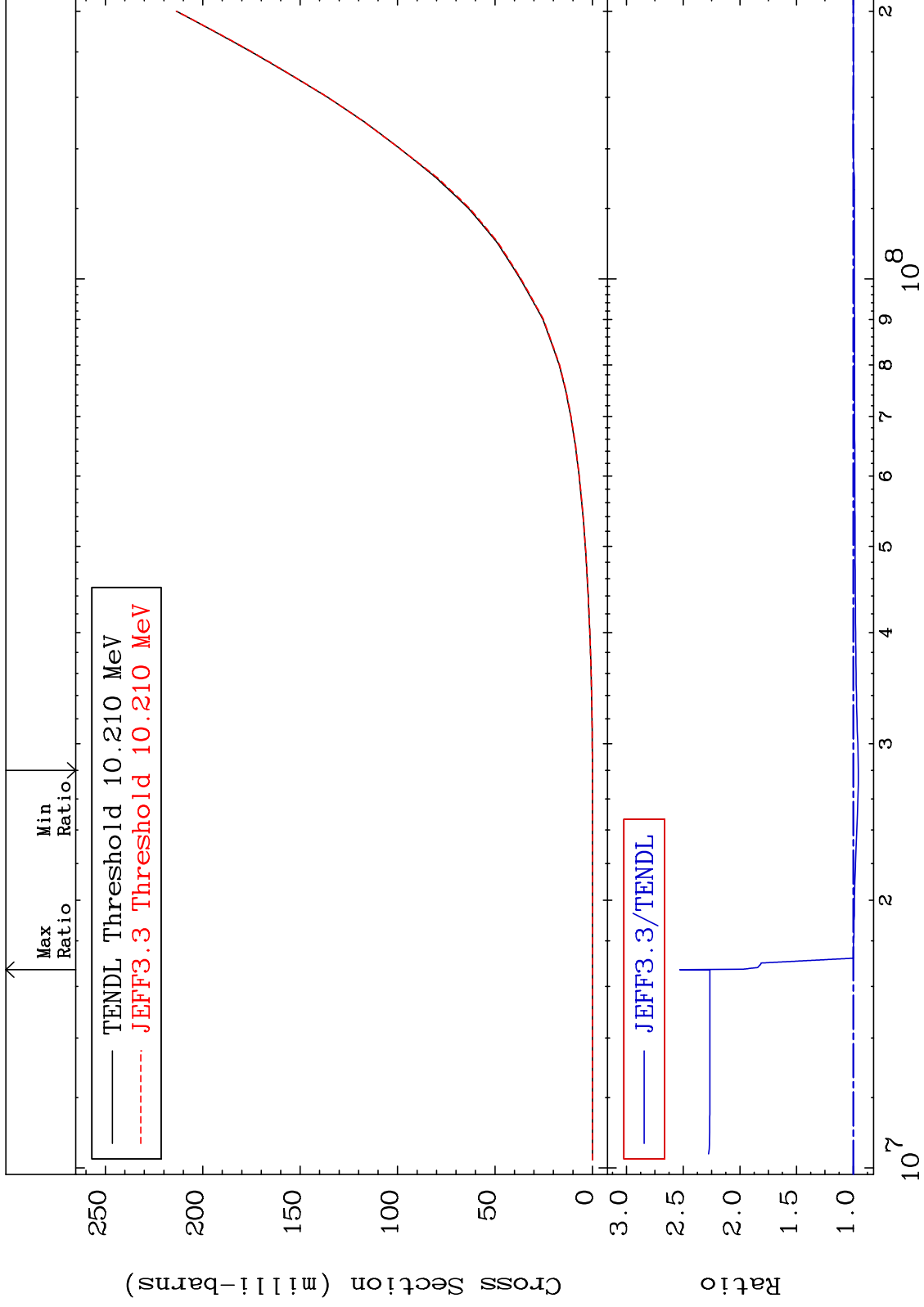
Incident Energy (eV)

60-Nd-150

MAT 6049

He-3 Production
Cross Section

60-Nd-150
-4.470 To 153.0 %



63

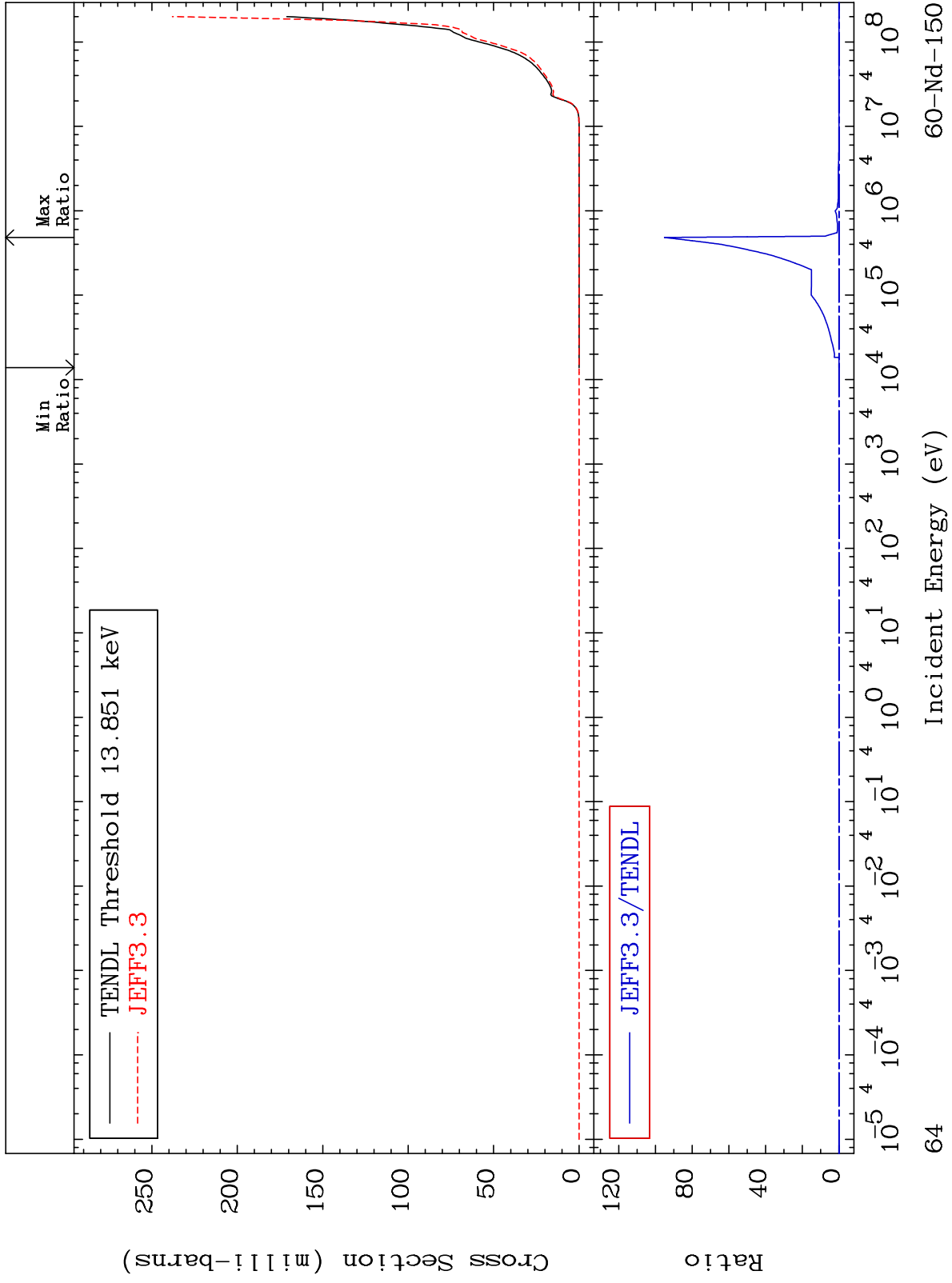
Incident Energy (eV)

60-Nd-150

MAT 6049

He-4 Production
Cross Section

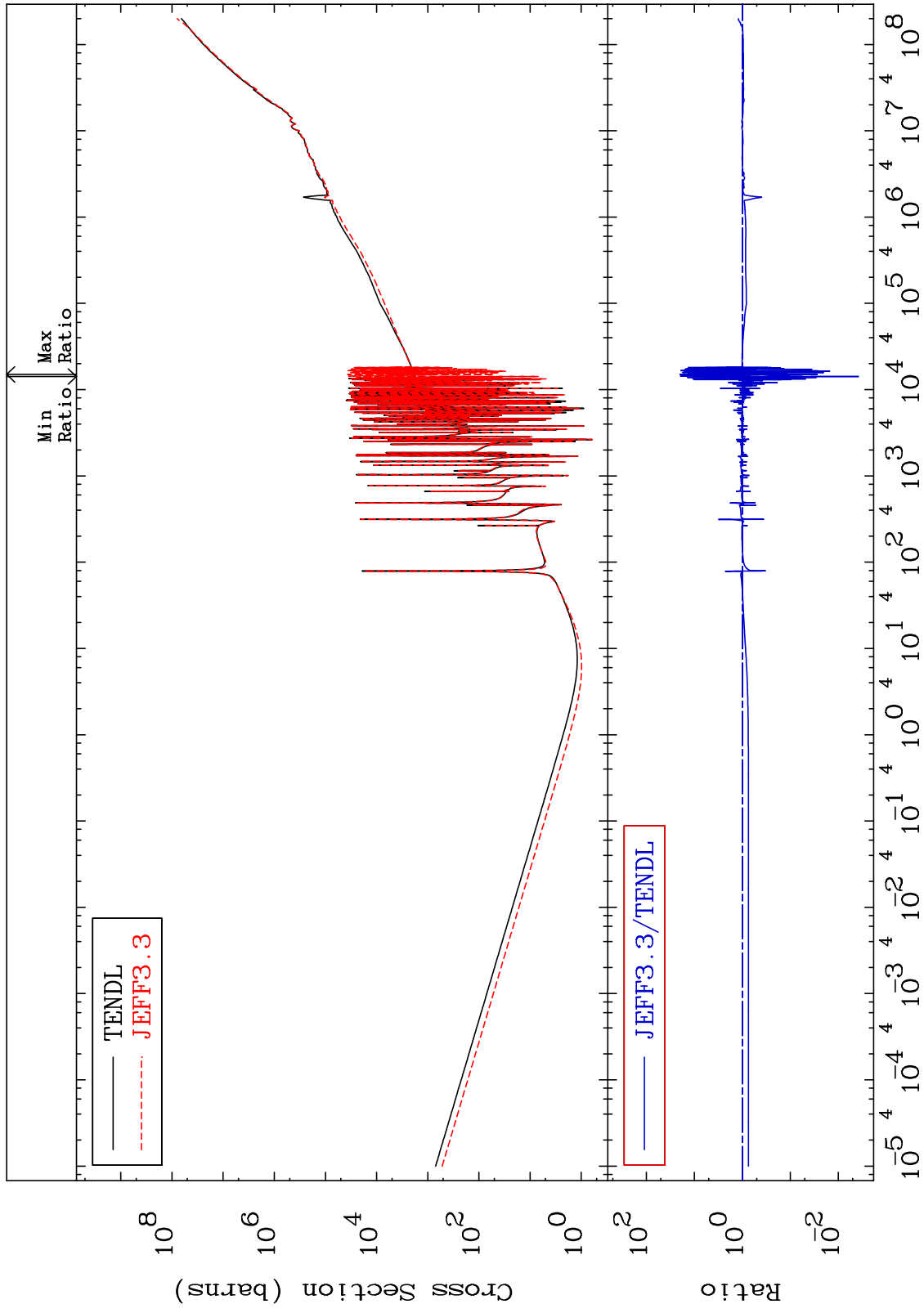
60-Nd-150
-100.0 To 9999. %



MAT 6049

Kerma total (eV-barns)
Cross Section

60-Nd-150
-99.62 To 1885. %



65

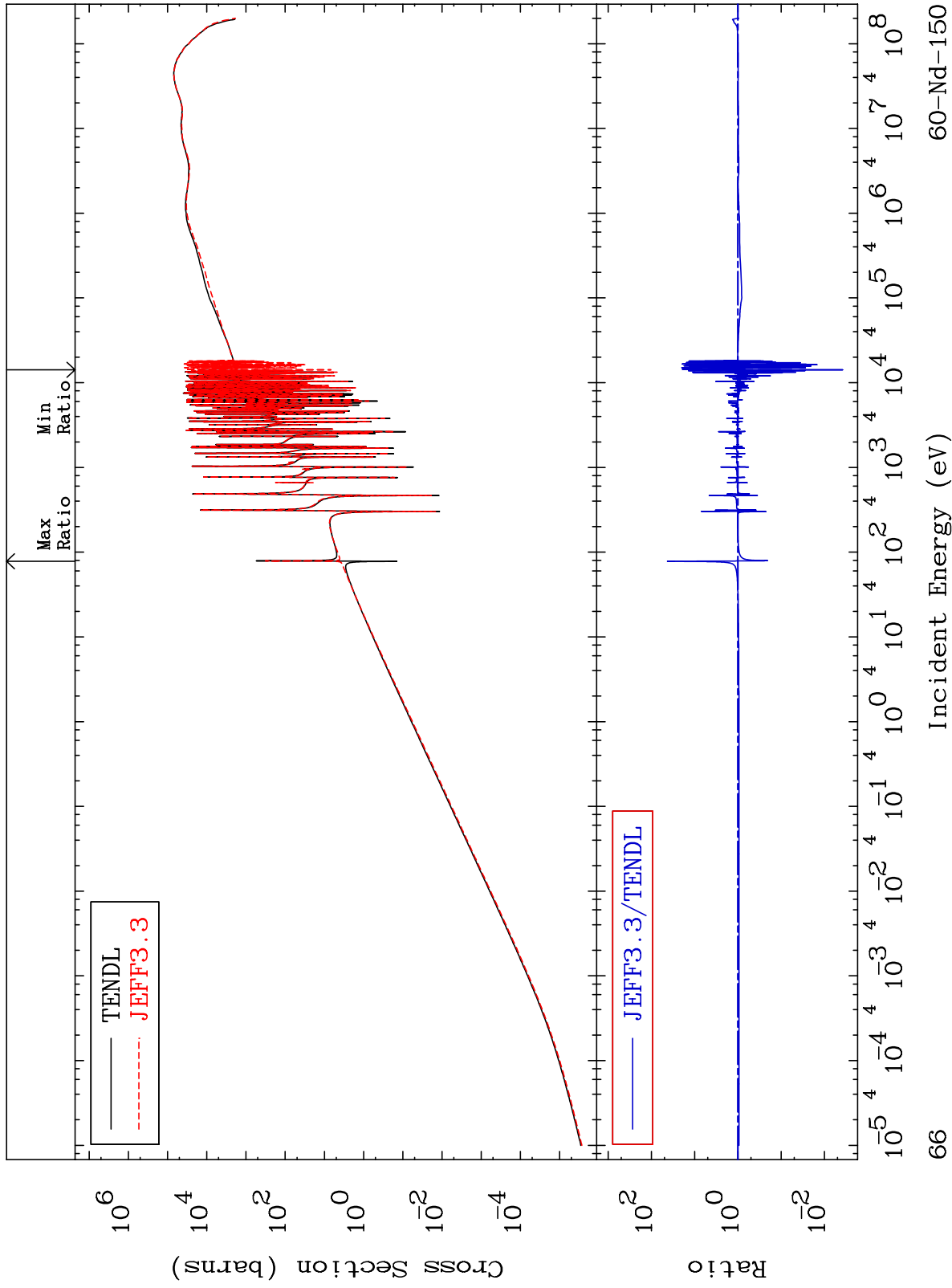
Incident Energy (eV)

60-Nd-150

MAT 6049

Kerma elastic
Cross Section

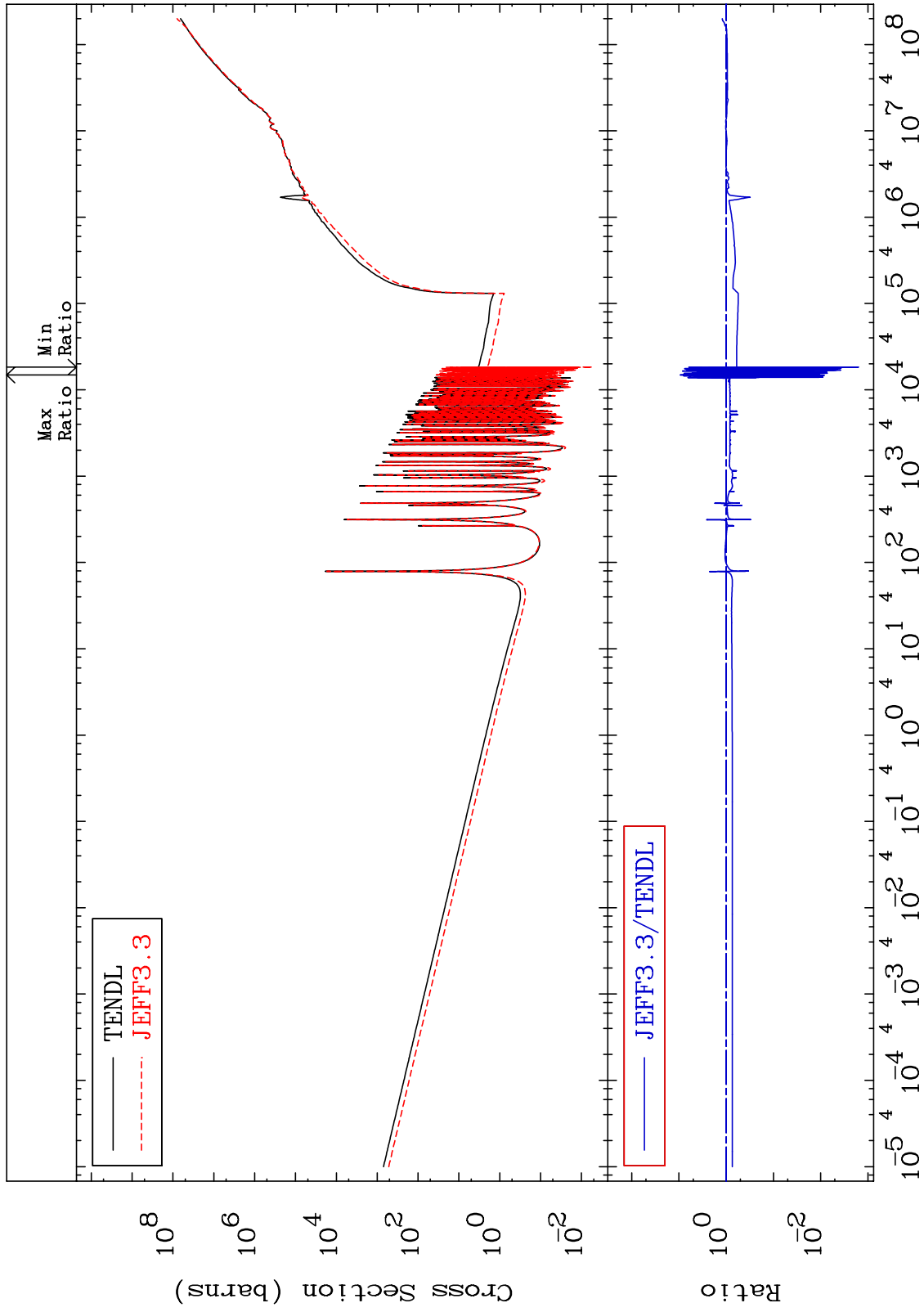
60-Nd-150
-99.62 To 4148. %



MAT 6049

Kerma non-elastic (all but mt2)
Cross Section

60-Nd-150
-99.84 To 848.4 %



67

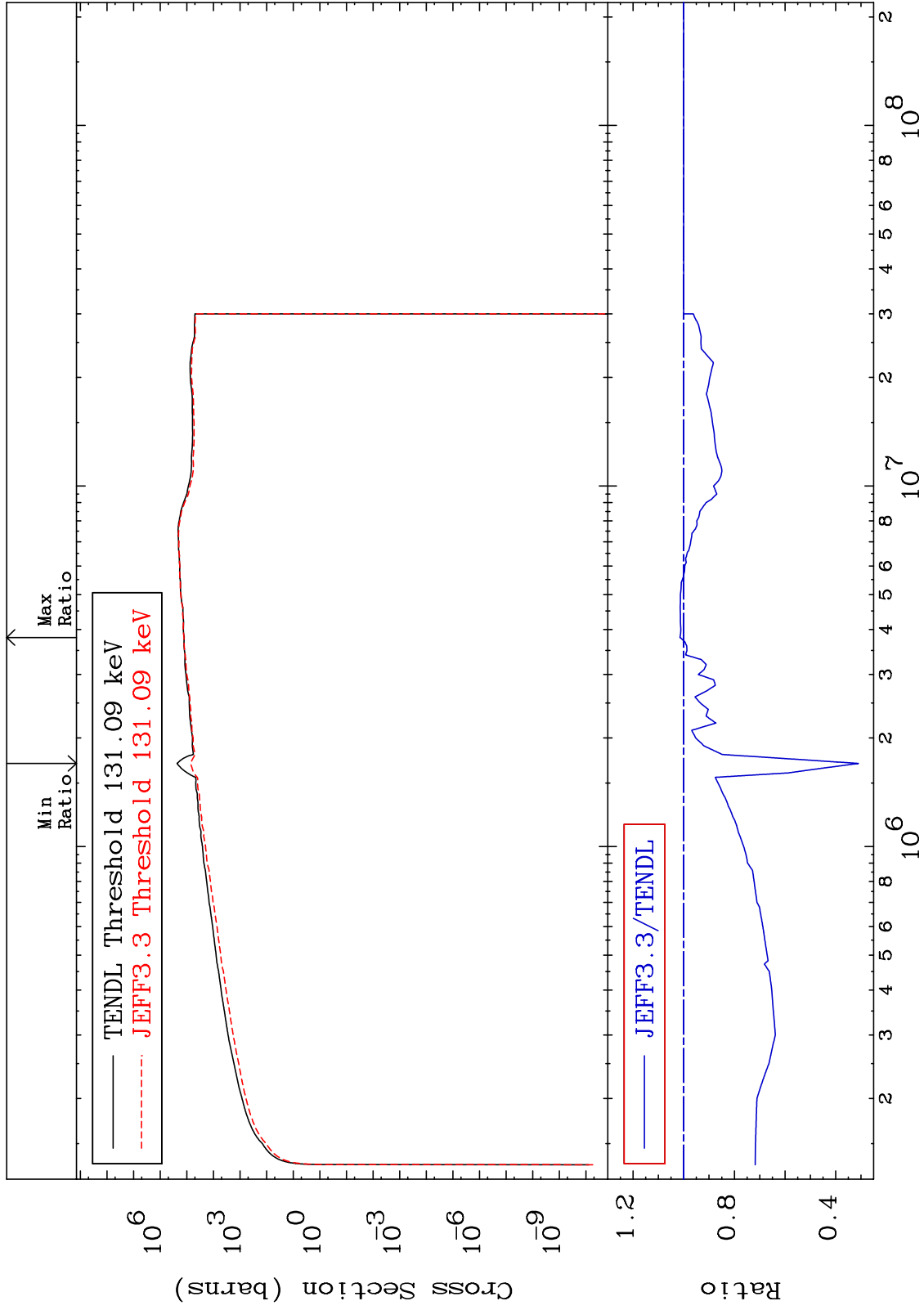
Incident Energy (eV)

60-Nd-150

MAT 6049

Kerma inelastic (mt51-91)
Cross Section

60-Nd-150
-68.95 To 1.466 %



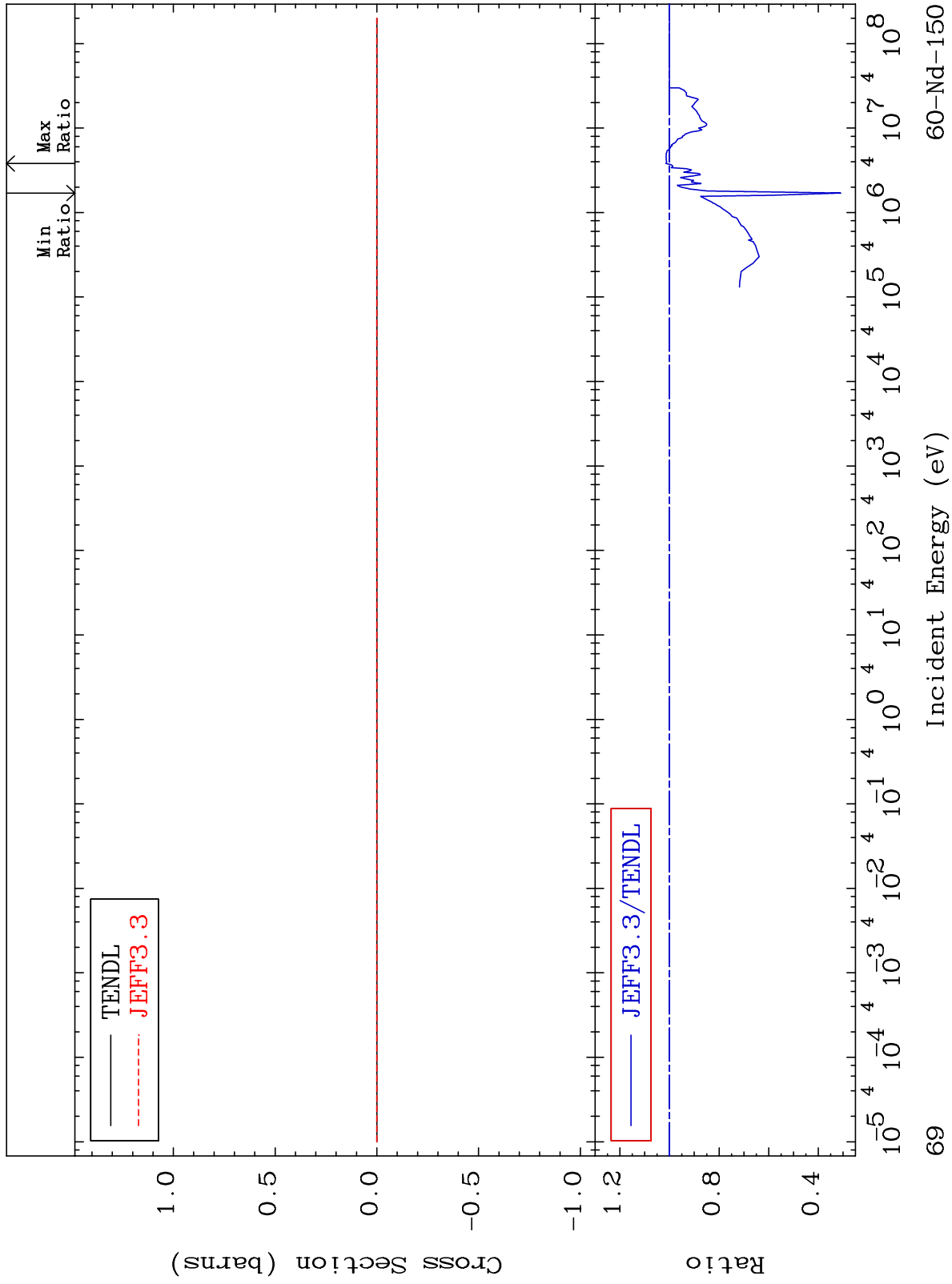
68

60-Nd-150

MAT 6049

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

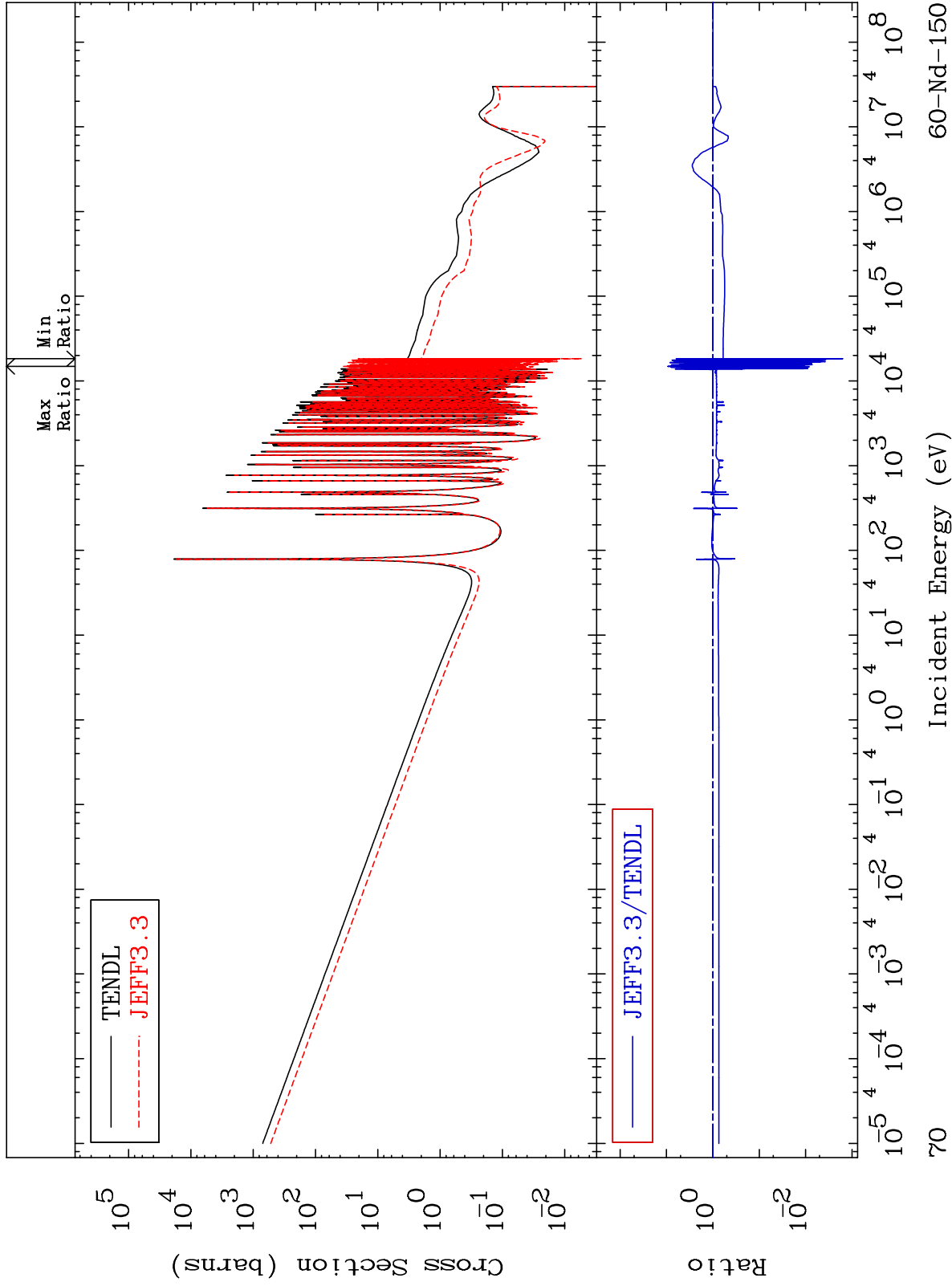
60-Nd-150
-68.95 To 1.466 %



MAT 6049

Kerma capture (mt102)
Cross Section

60-Nd-150
-99.84 To 848.4 %



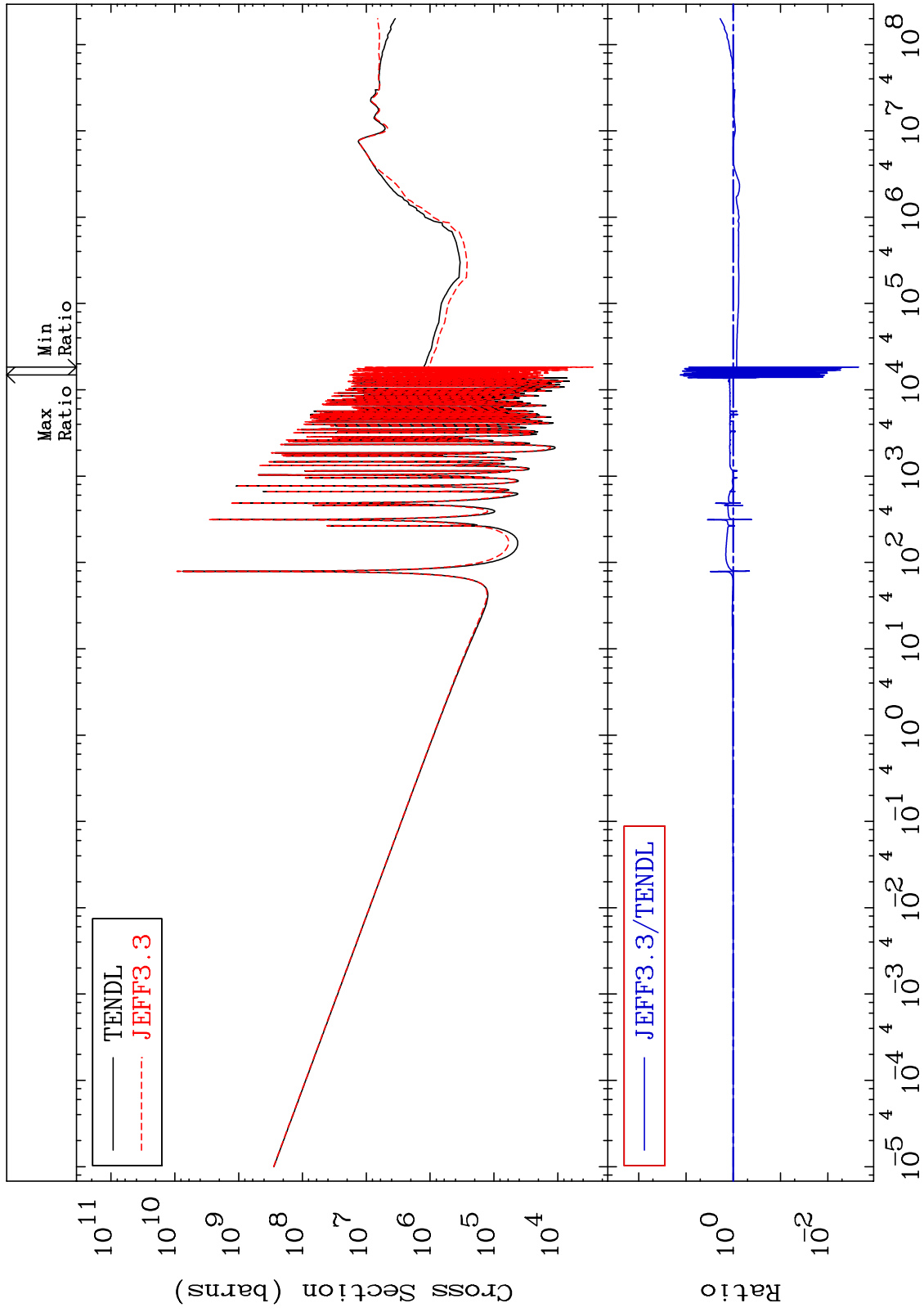
70

60-Nd-150

MAT 6049

Total photon (eV-barns)
Cross Section

60-Nd-150
-99.78 To 1239. %



71

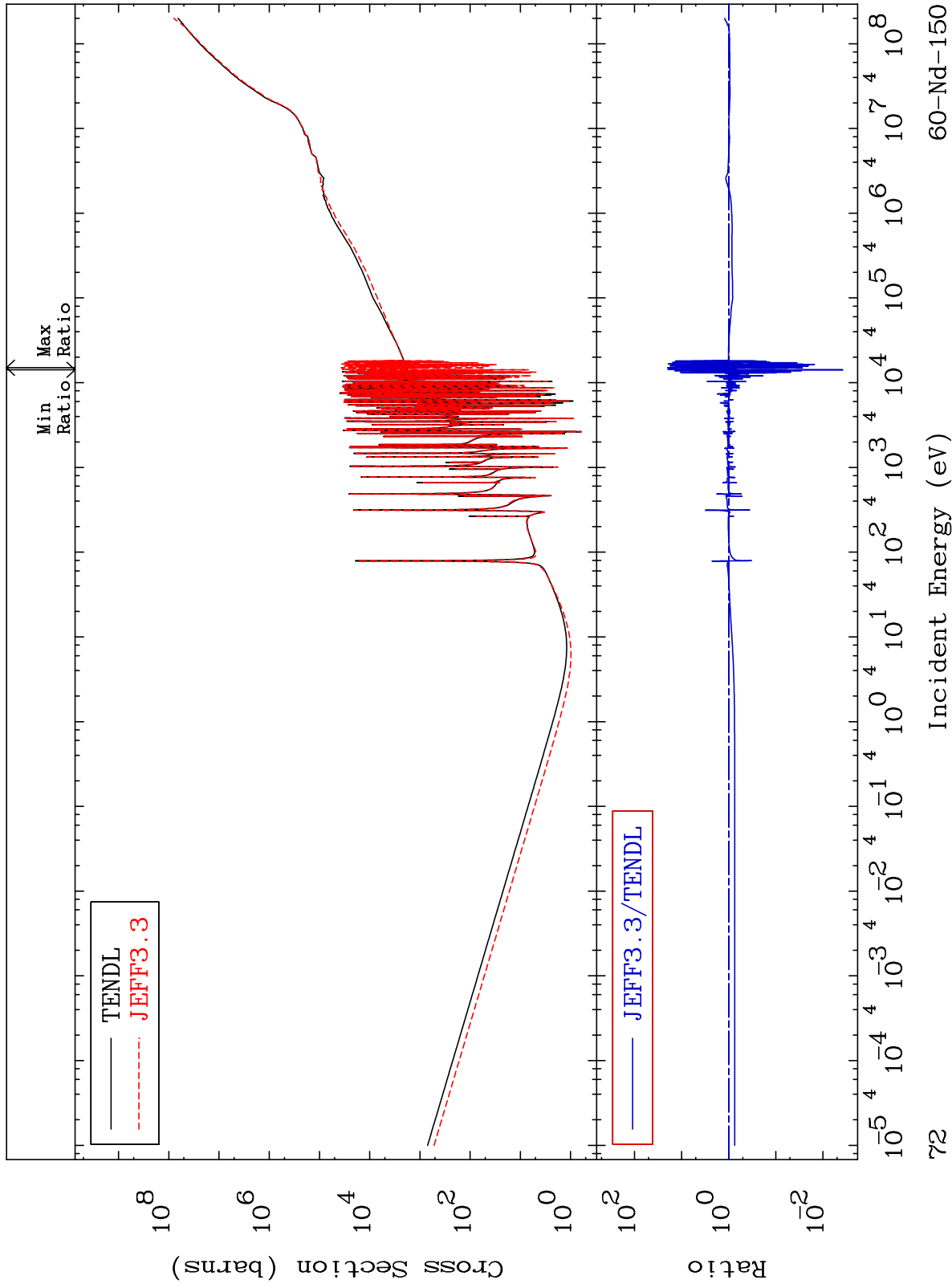
Incident Energy (eV)

60-Nd-150

MAT 6049

Total kinematic kerma (high limit)
Cross Section

60-Nd-150
-99.62 To 1885. %



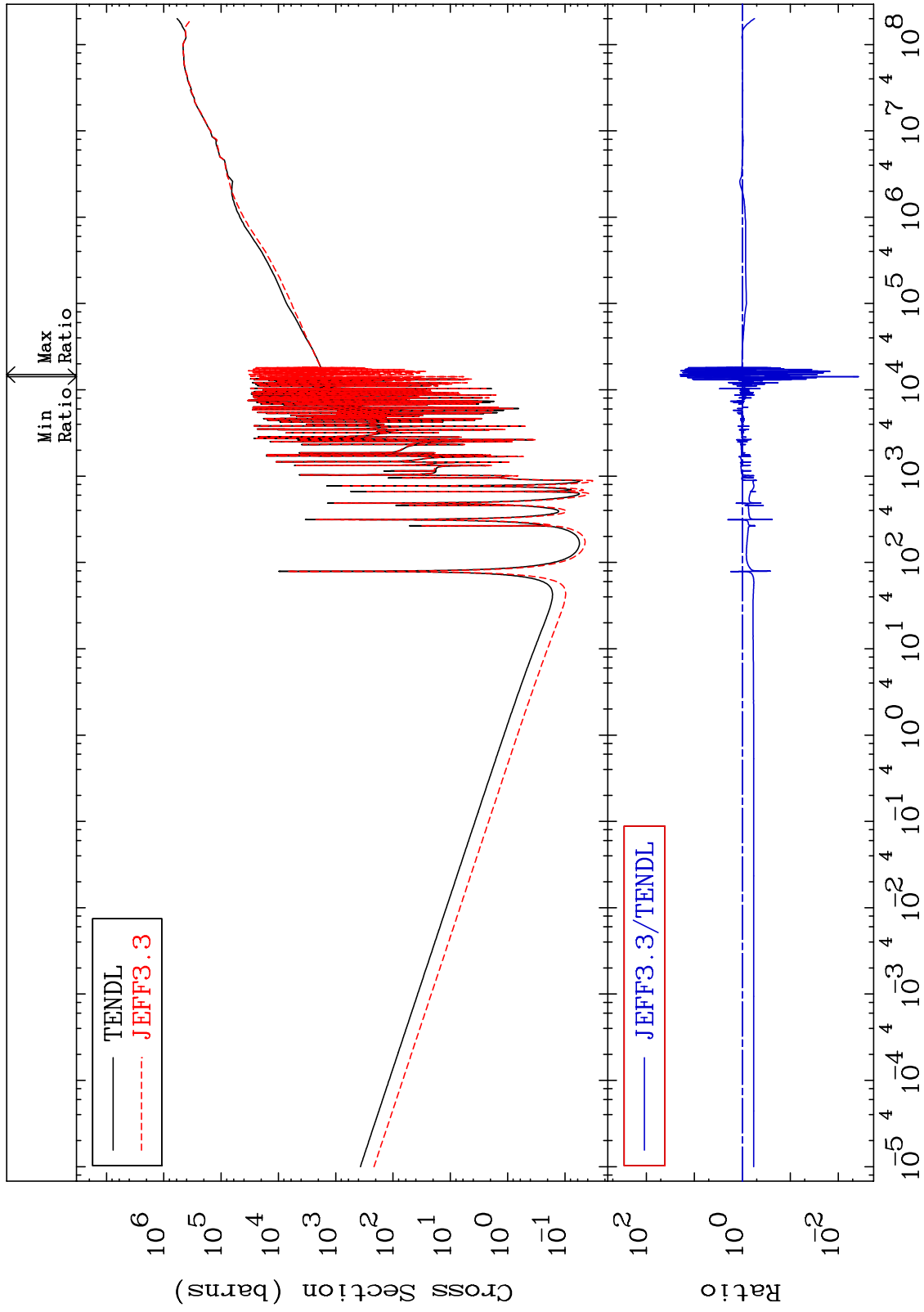
72

60-Nd-150

MAT 6049

Dpa total (eV-barns)
Cross Section

60-Nd-150
-99.62 To 1887. %



73

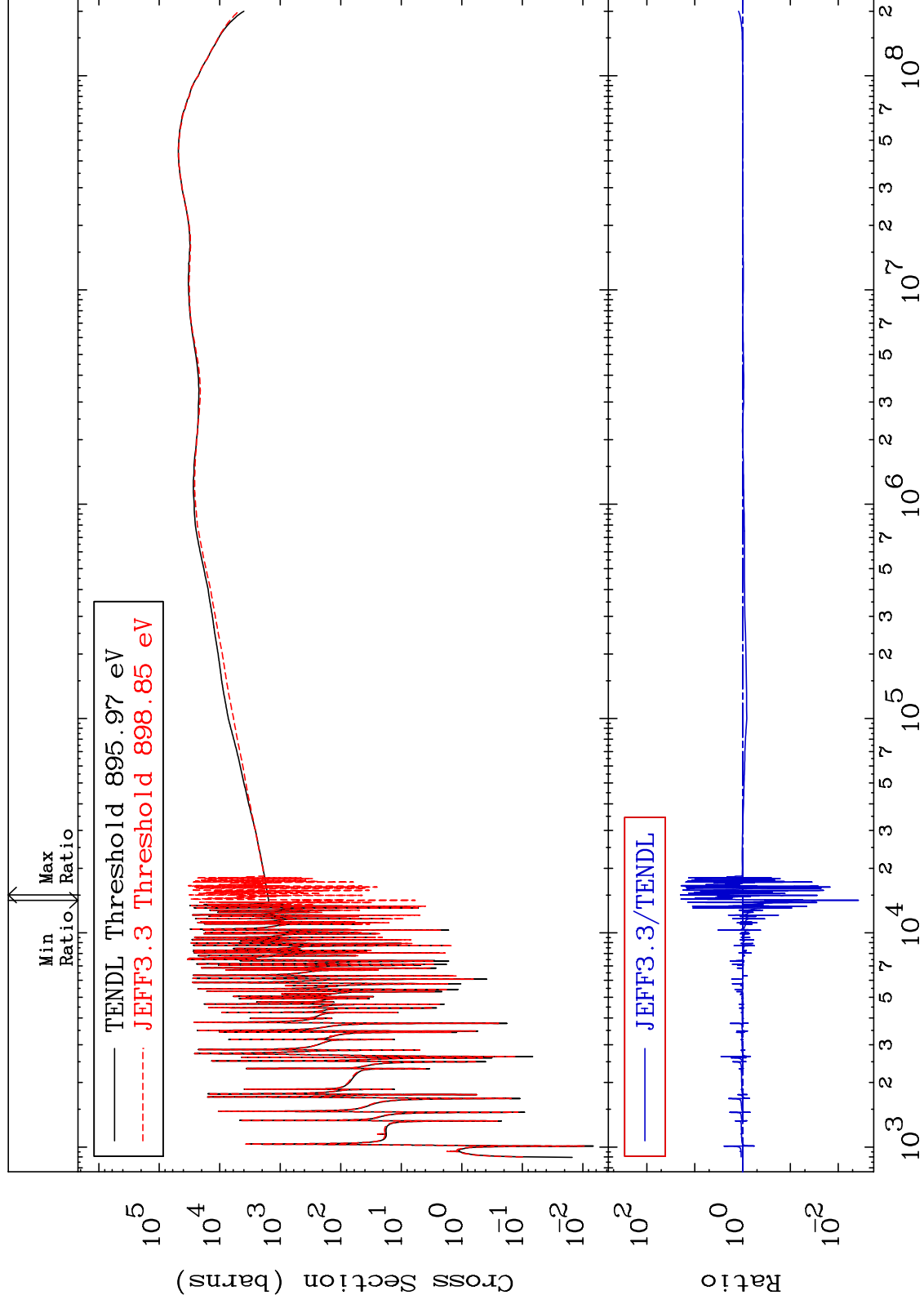
Incident Energy (eV)

60-Nd-150

MAT 6049

Dpa elastic (mt2)
Cross Section

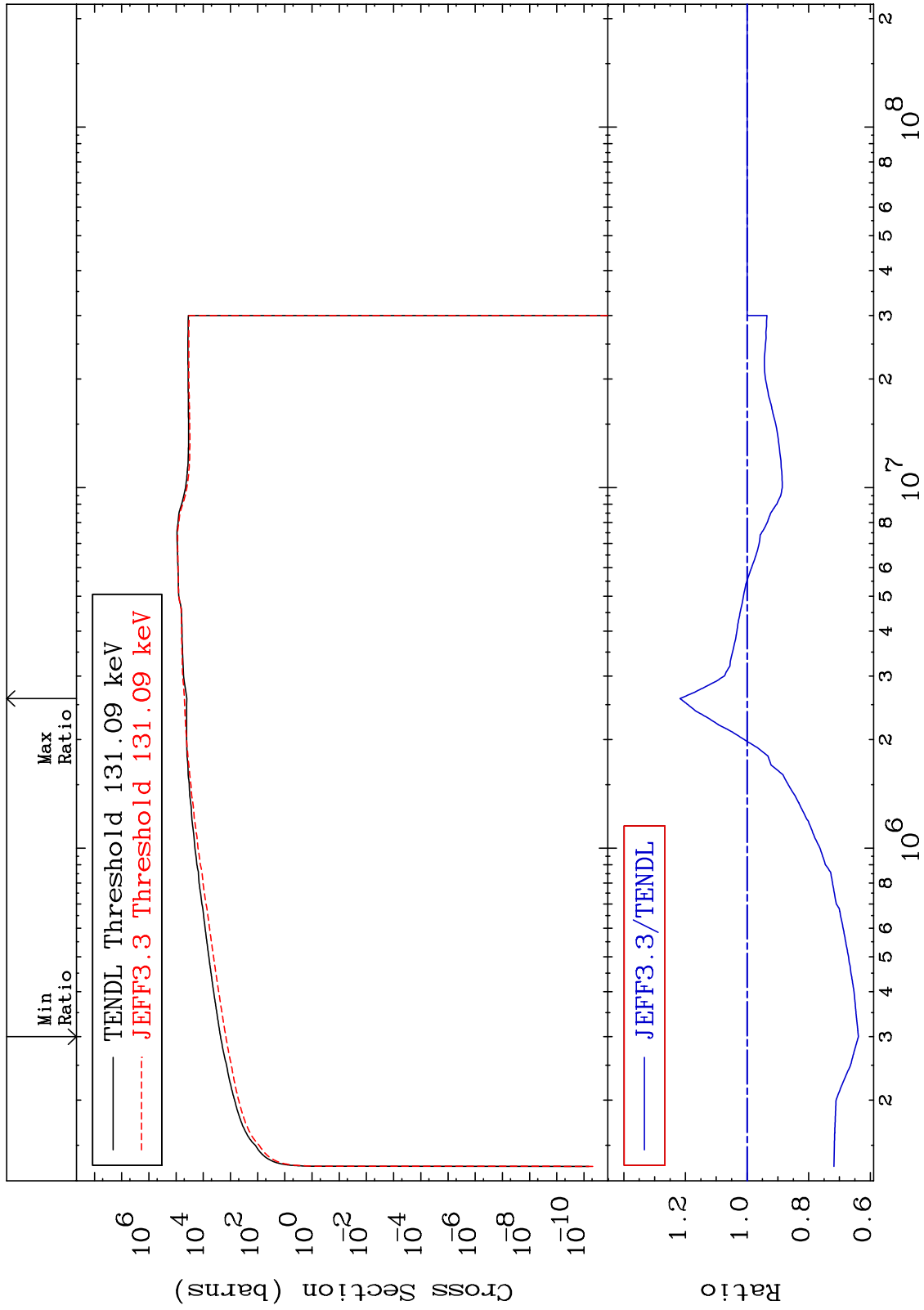
60-Nd-150
-99.62 To 1889. %



MAT 6049

Dpa inelastic (mt51-91)
Cross Section

60-Nd-150
-36.14 To 21.77 %



75

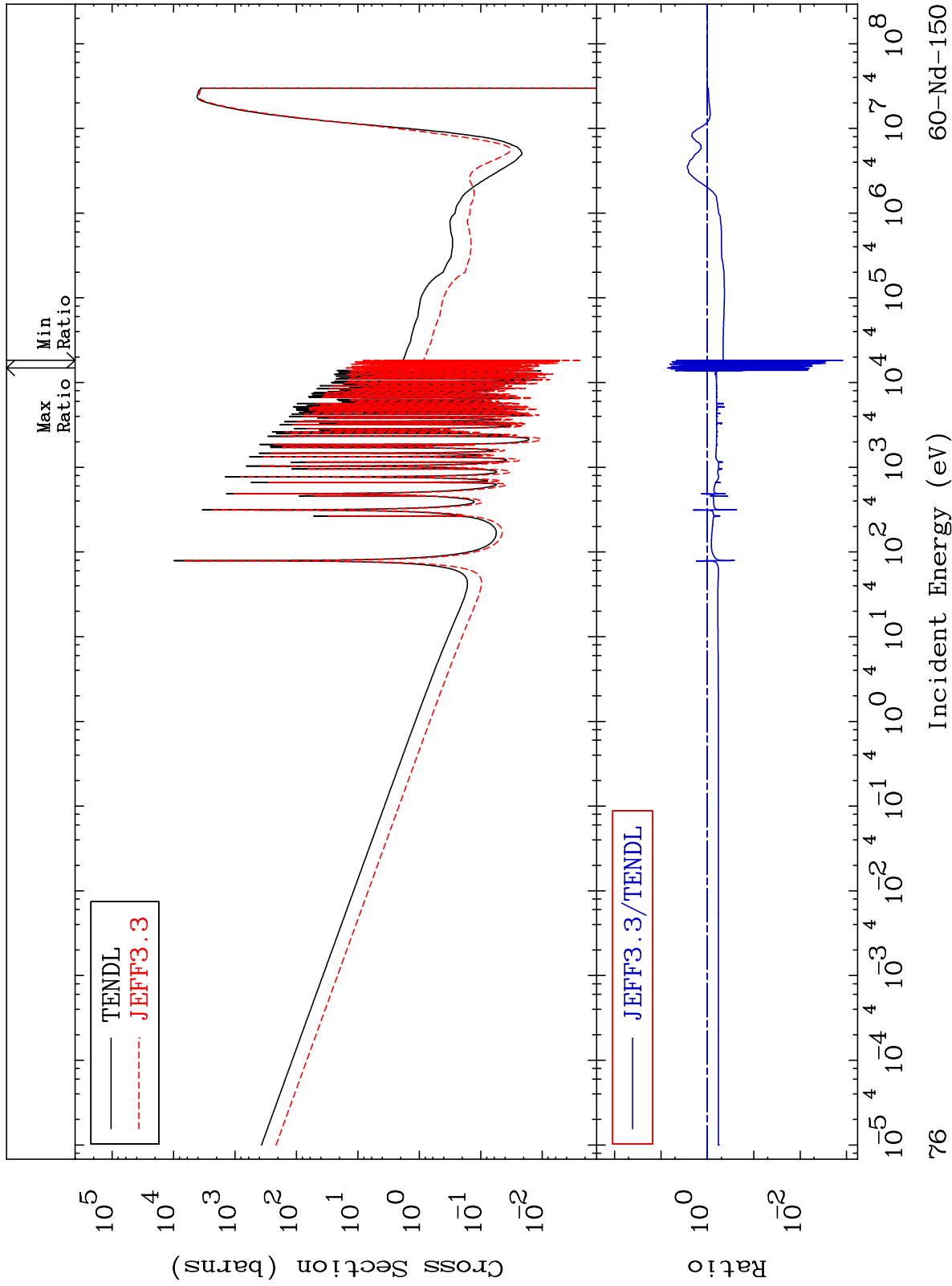
Incident Energy (eV)

60-Nd-150

MAT 6049

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-150
-99.88 To 623.2 %

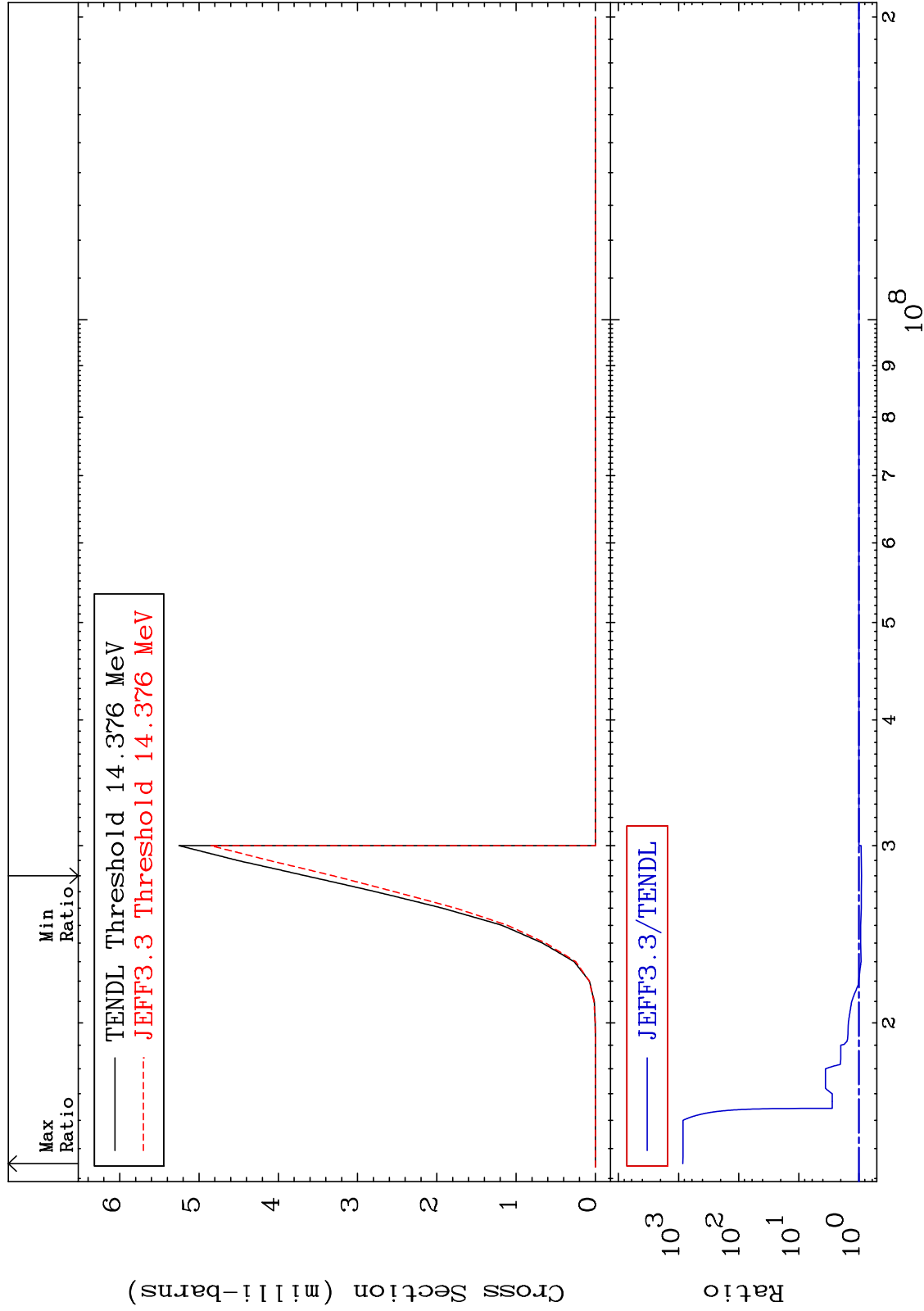


MAT 6049

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

60-Nd-150

Radionuclide Production Cross Section -9.486 To 9999. %

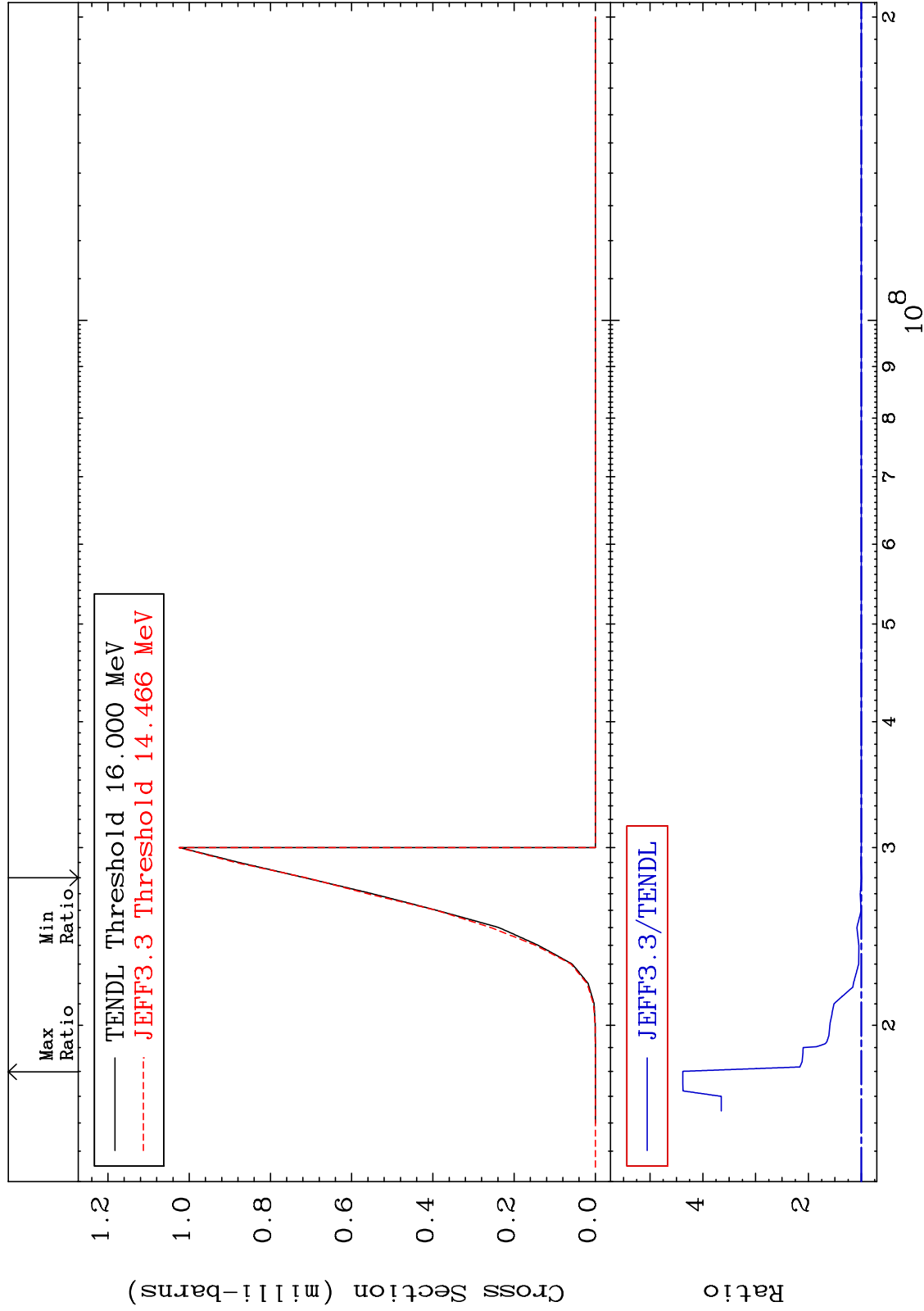


MAT 6049

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

60-Nd-150

Radionuclide Production Cross Section -0.449 To 337.7 %



78

Incident Energy (eV)

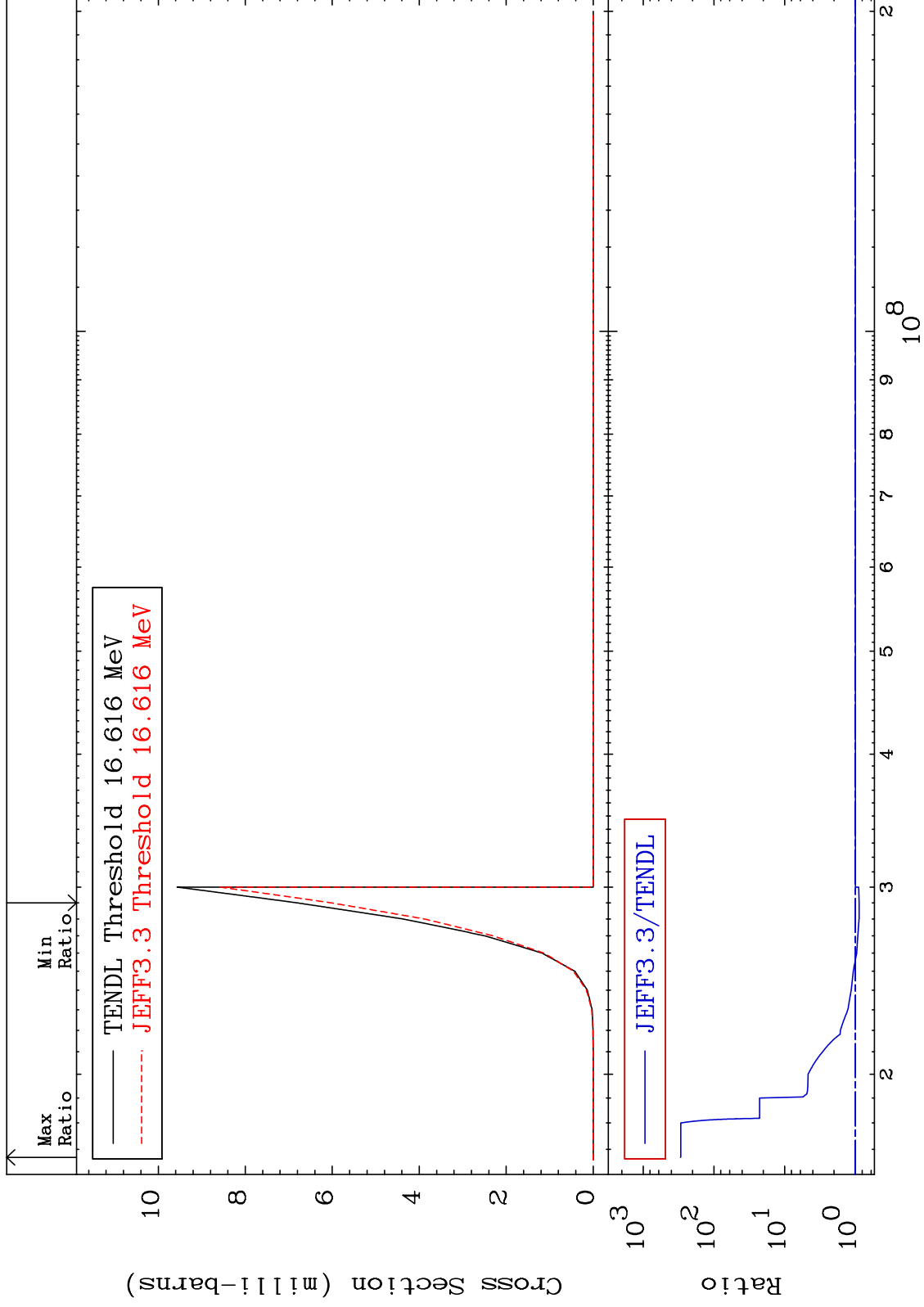
60-Nd-150

MAT 6049

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

60-Nd-150

Radionuclide Production Cross Section -11.49 To 9999. %

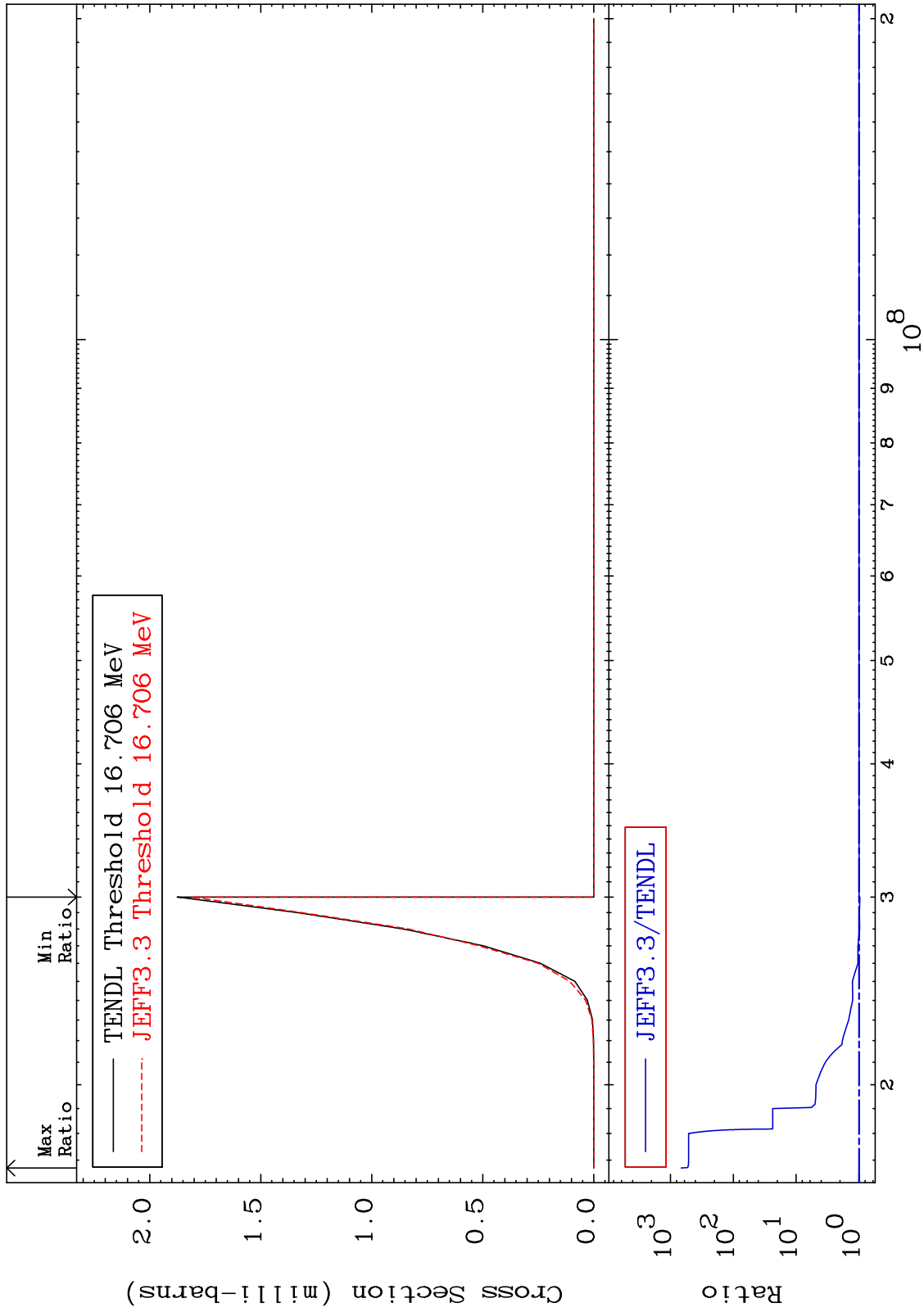


MAT 6049

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

60-Nd-150

Radionuclide Production Cross Section -3.332 To 9999. %



80

Incident Energy (eV)

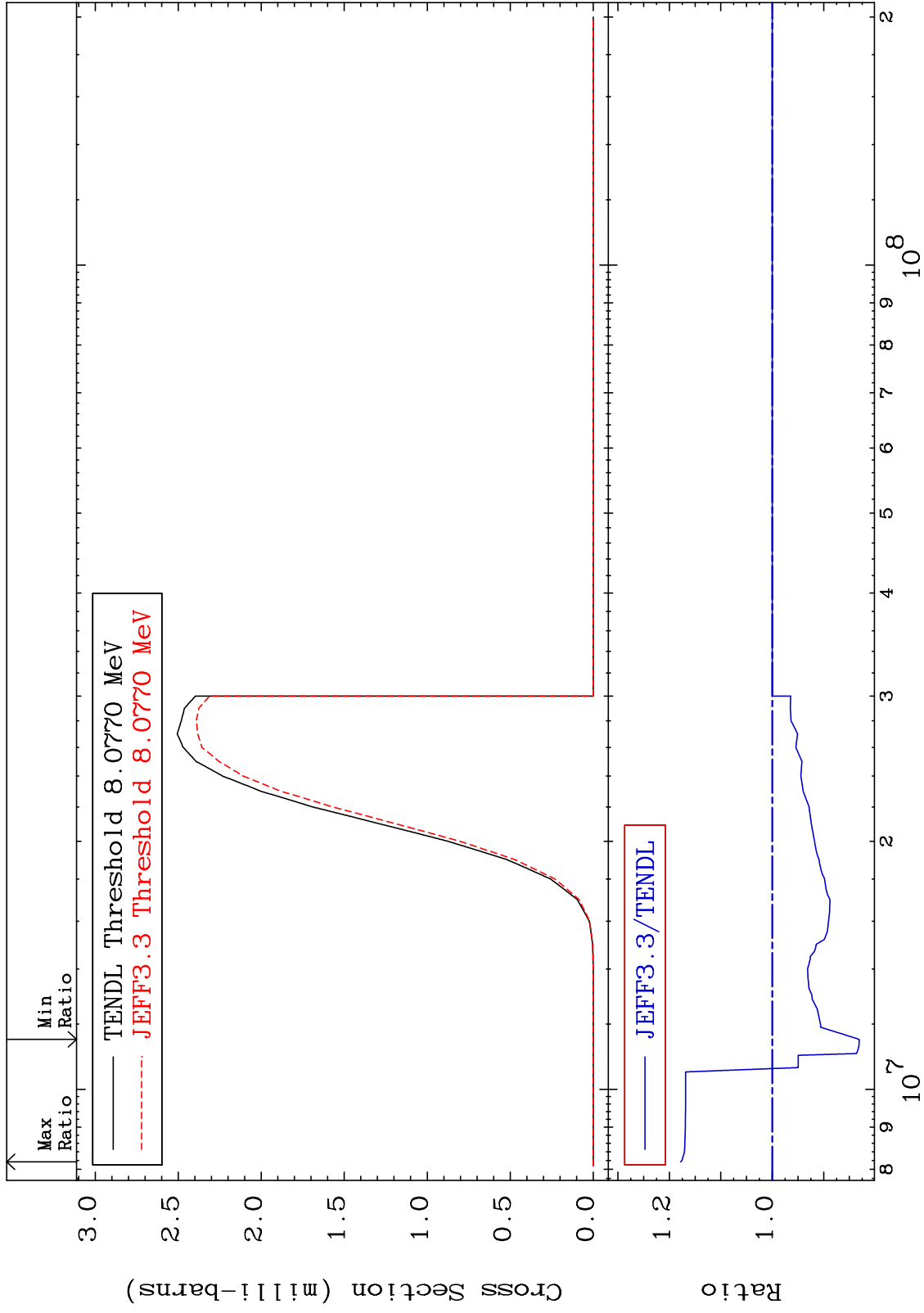
60-Nd-150

MAT 6049

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

60-Nd-150

Radionuclide Production Cross Section -16.90 To 17.82 %

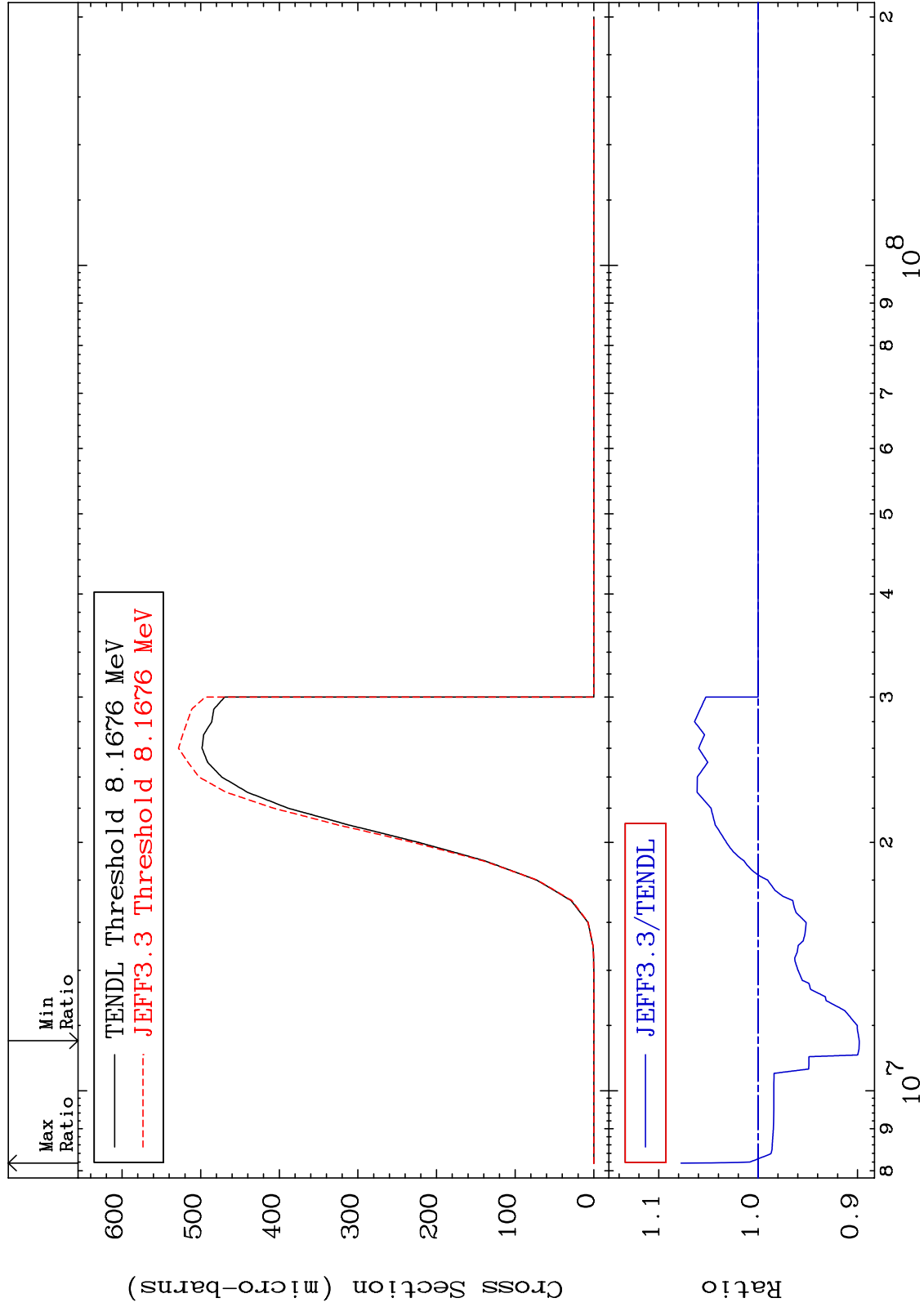


MAT 6049

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

60-Nd-150

Radionuclide Production Cross Section -10.19 To 7.758 %



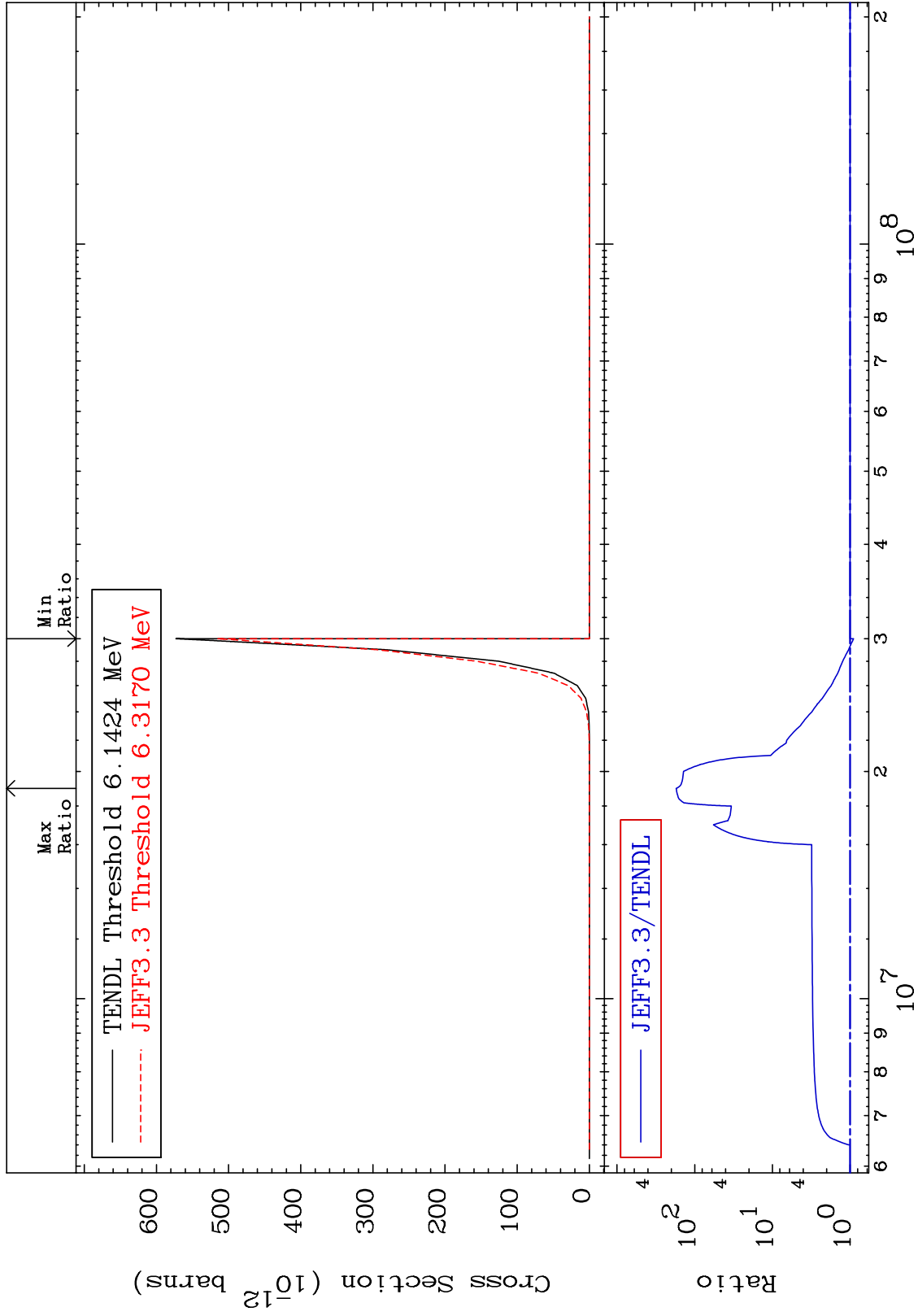
82

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. %

