

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

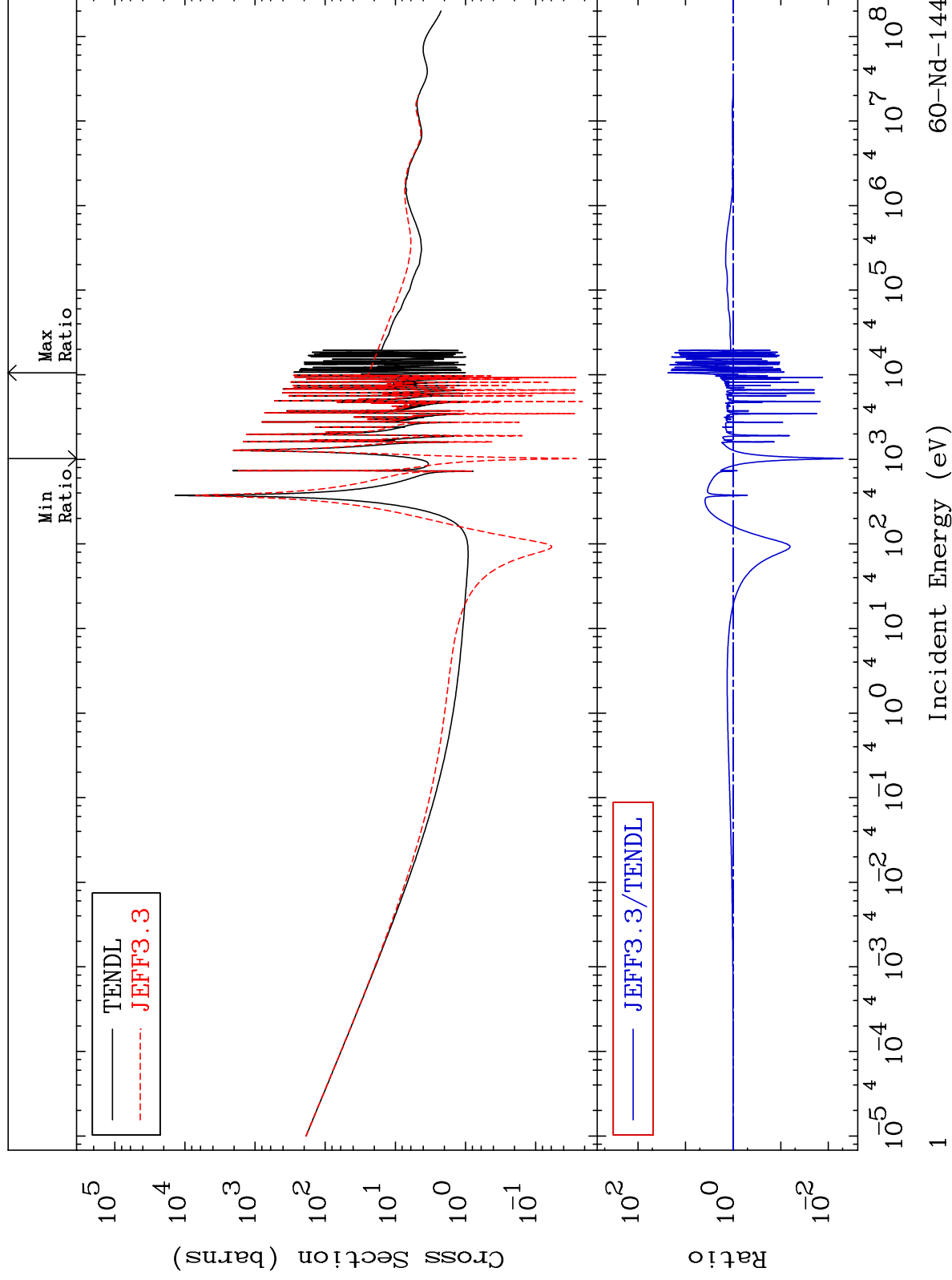
MAT 6031

Total

60-Nd-144

Cross Section

-99.50 To 2237. %



60-Nd-144

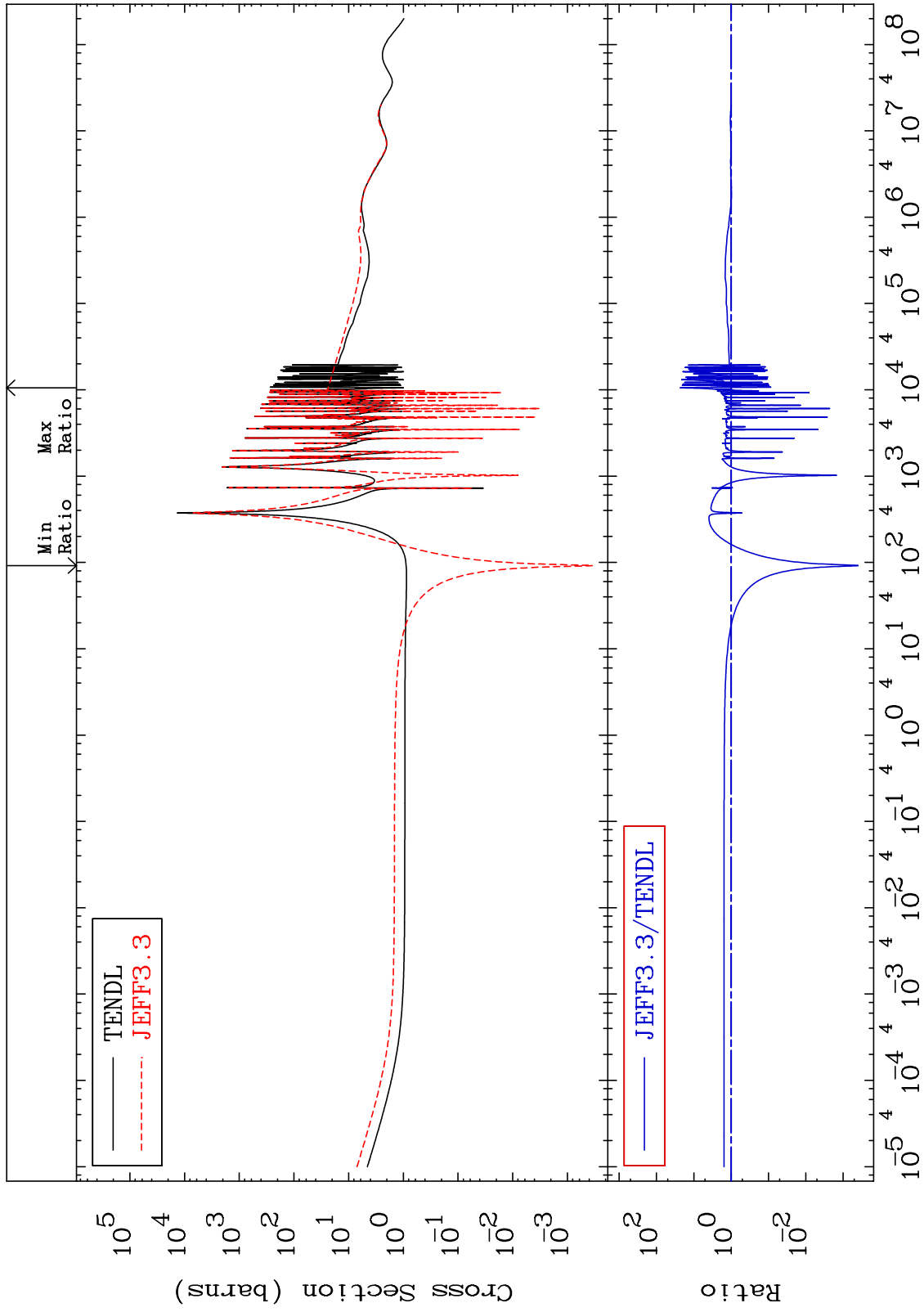
MAT 6031

Elastic

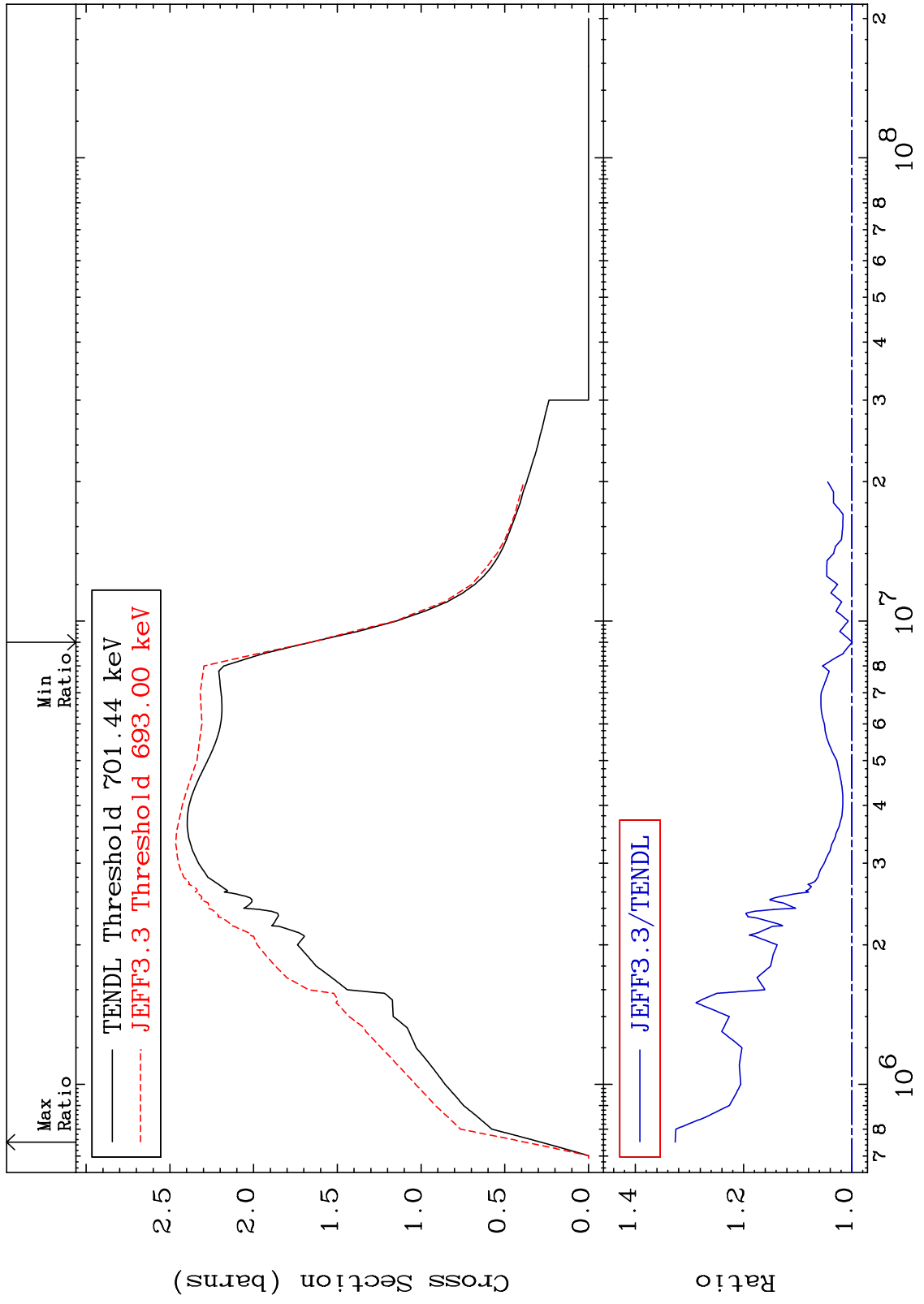
Cross Section

60-Nd-144

-99.96 To 2242. %



MAT 6031 Inelastic Cross Section 60-Nd-144 -0.082 To 32.62 %



3 Incident Energy (eV) 60-Nd-144

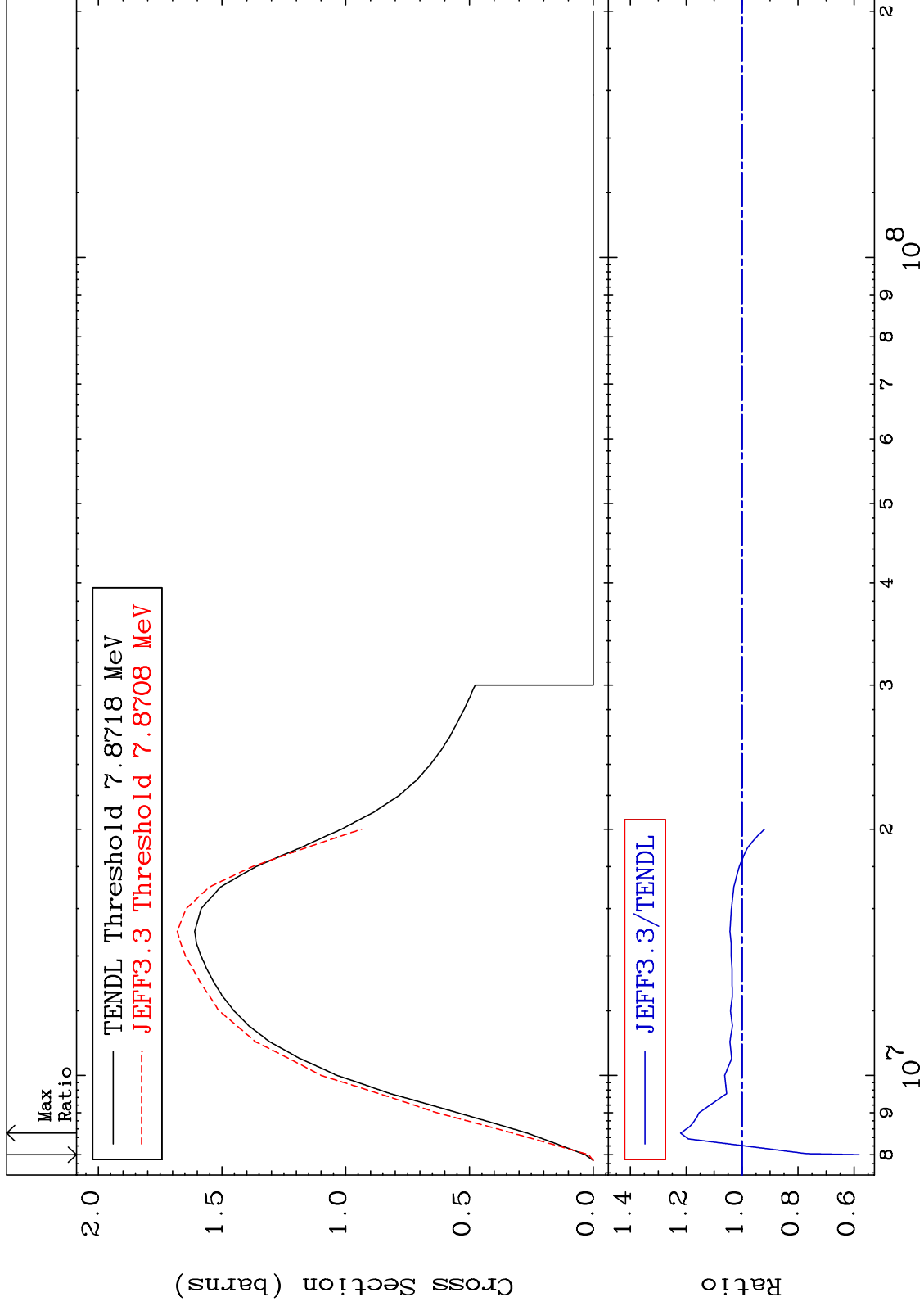
MAT 6031

(n,2n)

60-Nd-144

Cross Section

-41.84 To 22.00 %



4

Incident Energy (eV)

60-Nd-144

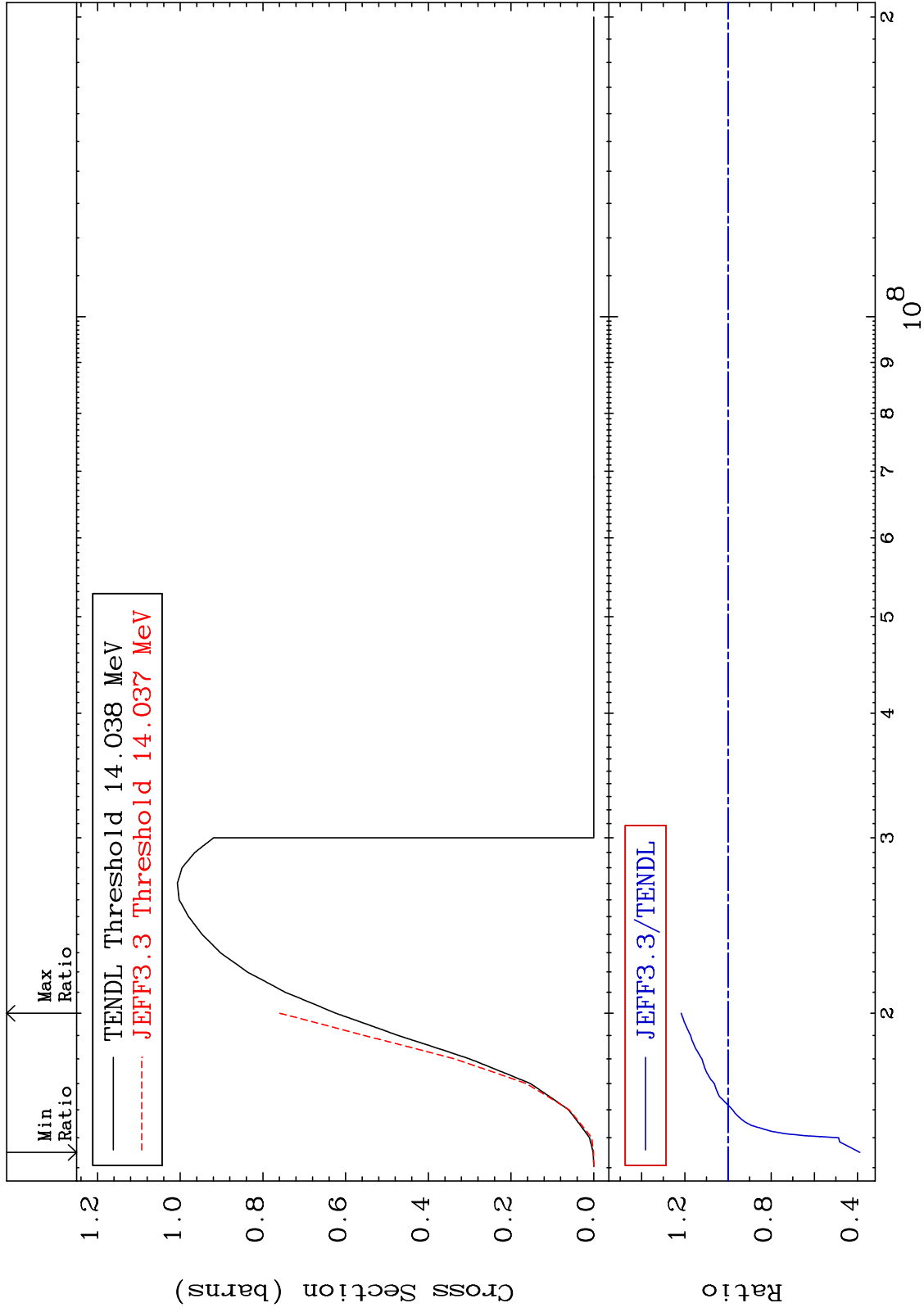
MAT 6031

(n, 3n)

60-Nd-144

Cross Section

-61.11 To 21.69 %



5

Incident Energy (eV)

60-Nd-144

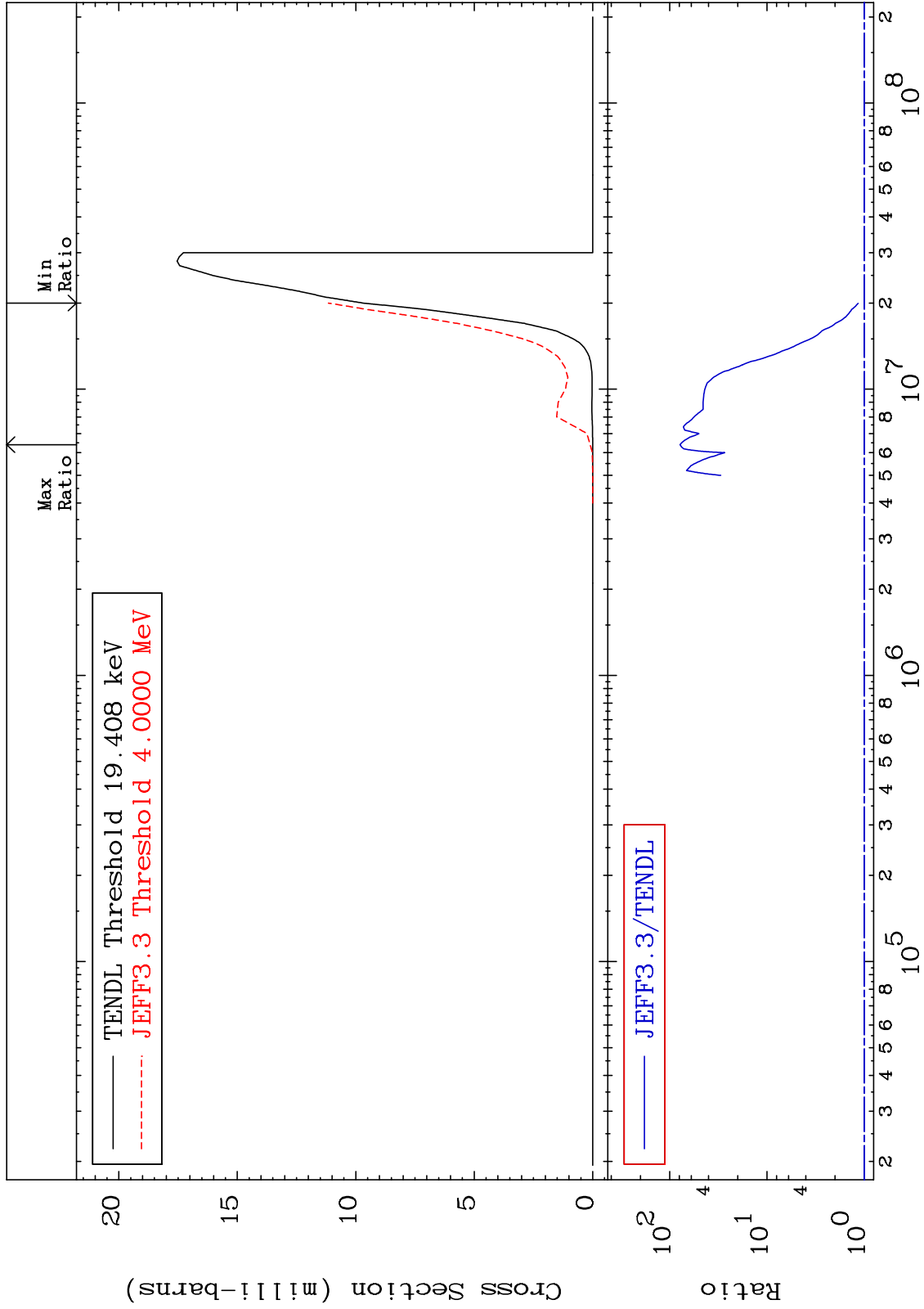
MAT 6031

$(n, n') \alpha$

60-Nd-144

Cross Section

15.12 To 7753. %



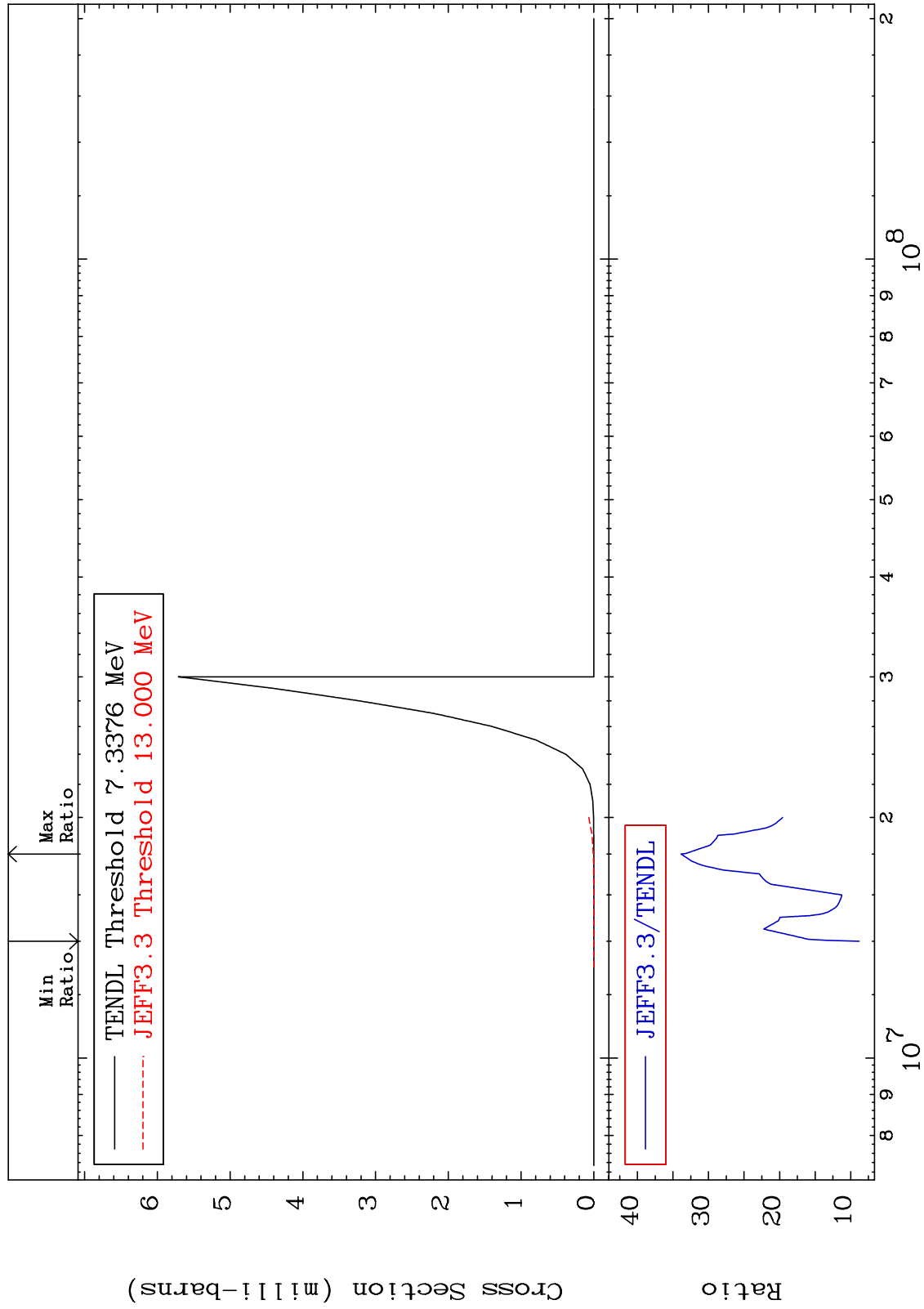
MAT 6031

(n,2n) α

60-Nd-144

Cross Section

778.6 To 3287. %



7

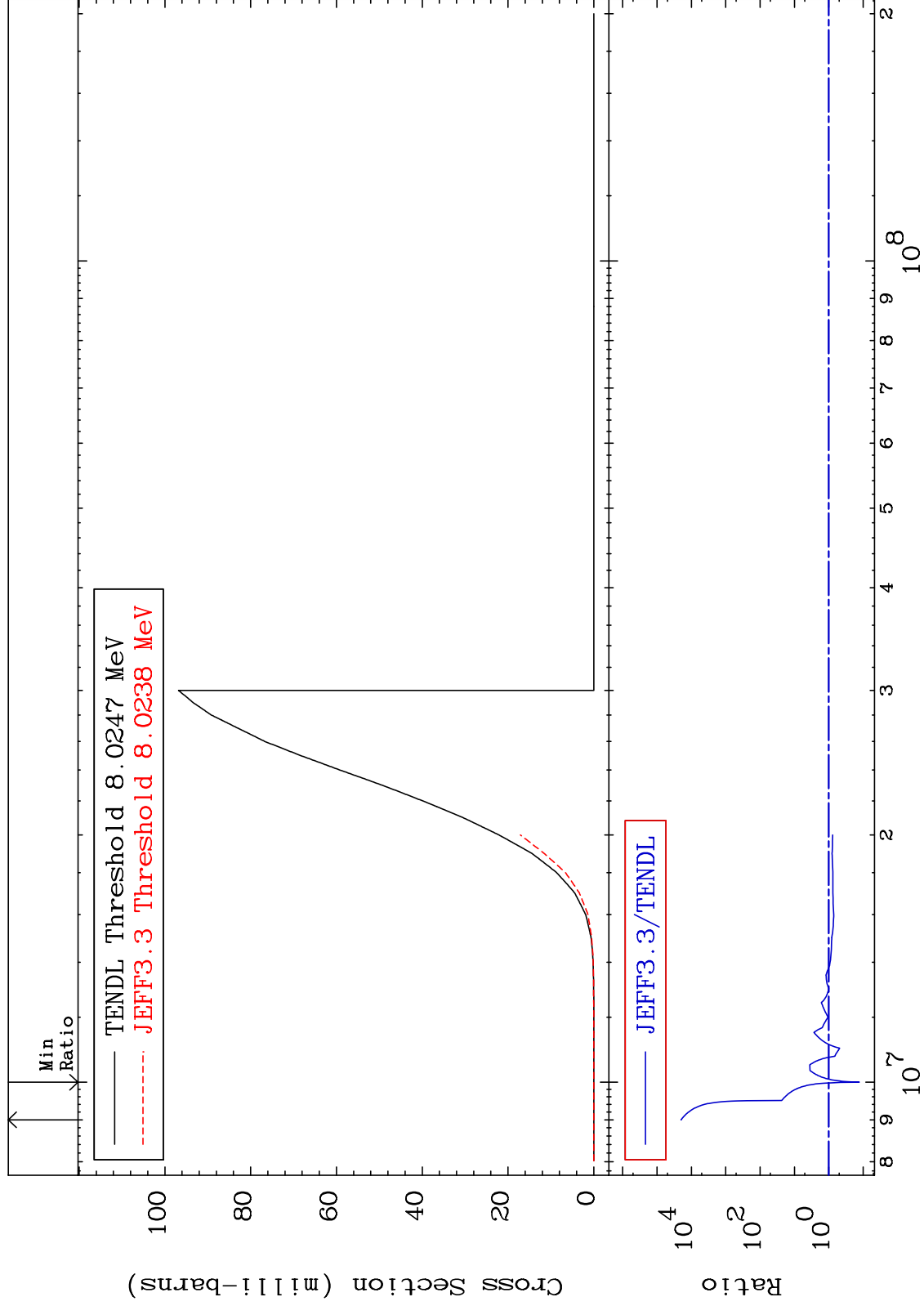
Incident Energy (eV)

60-Nd-144

MAT 6031

(n,n') p
Cross Section

60-Nd-144
-87.06 To 9999. %



8

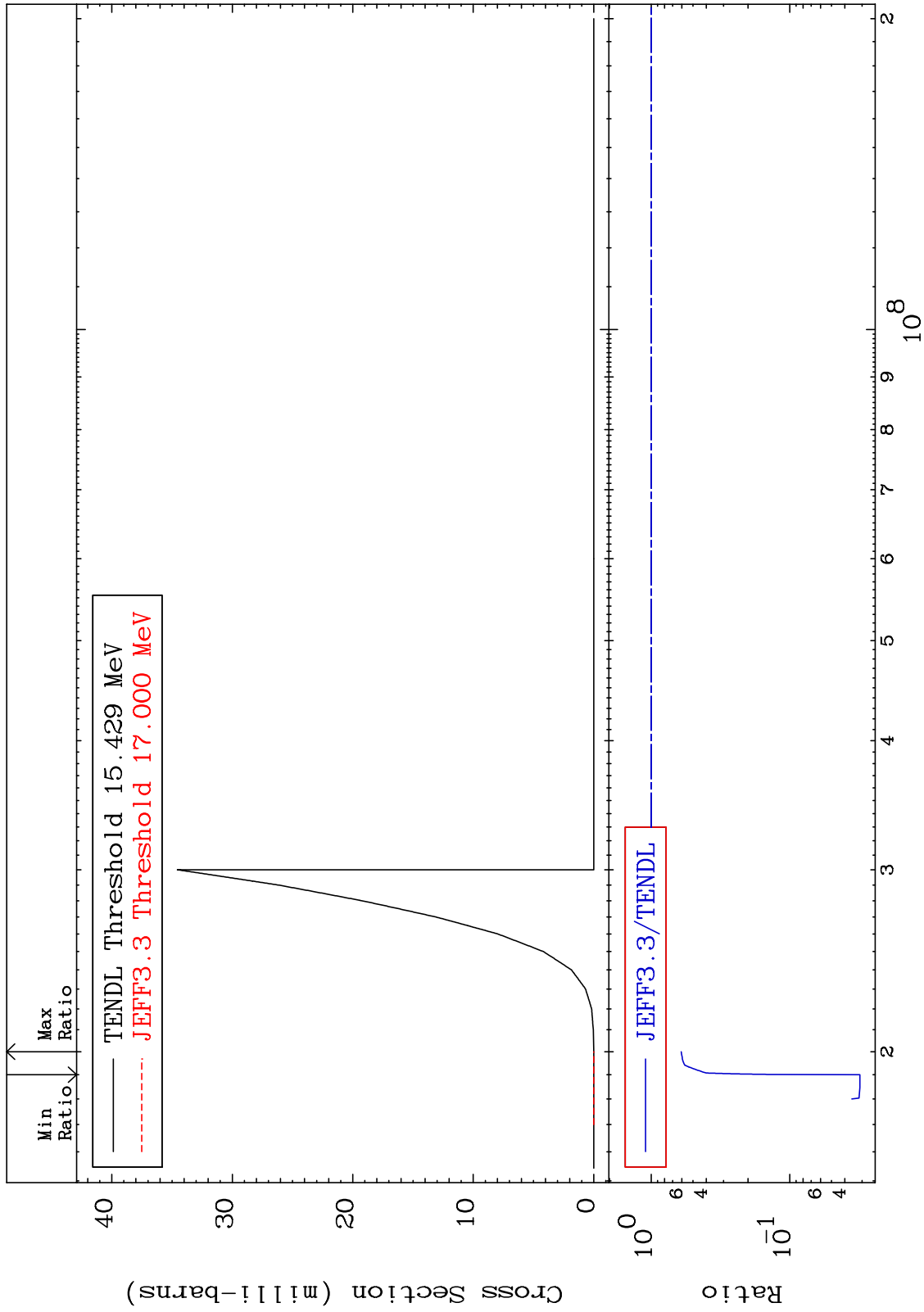
Incident Energy (eV)

60-Nd-144

MAT 6031

(n,2n) p
Cross Section

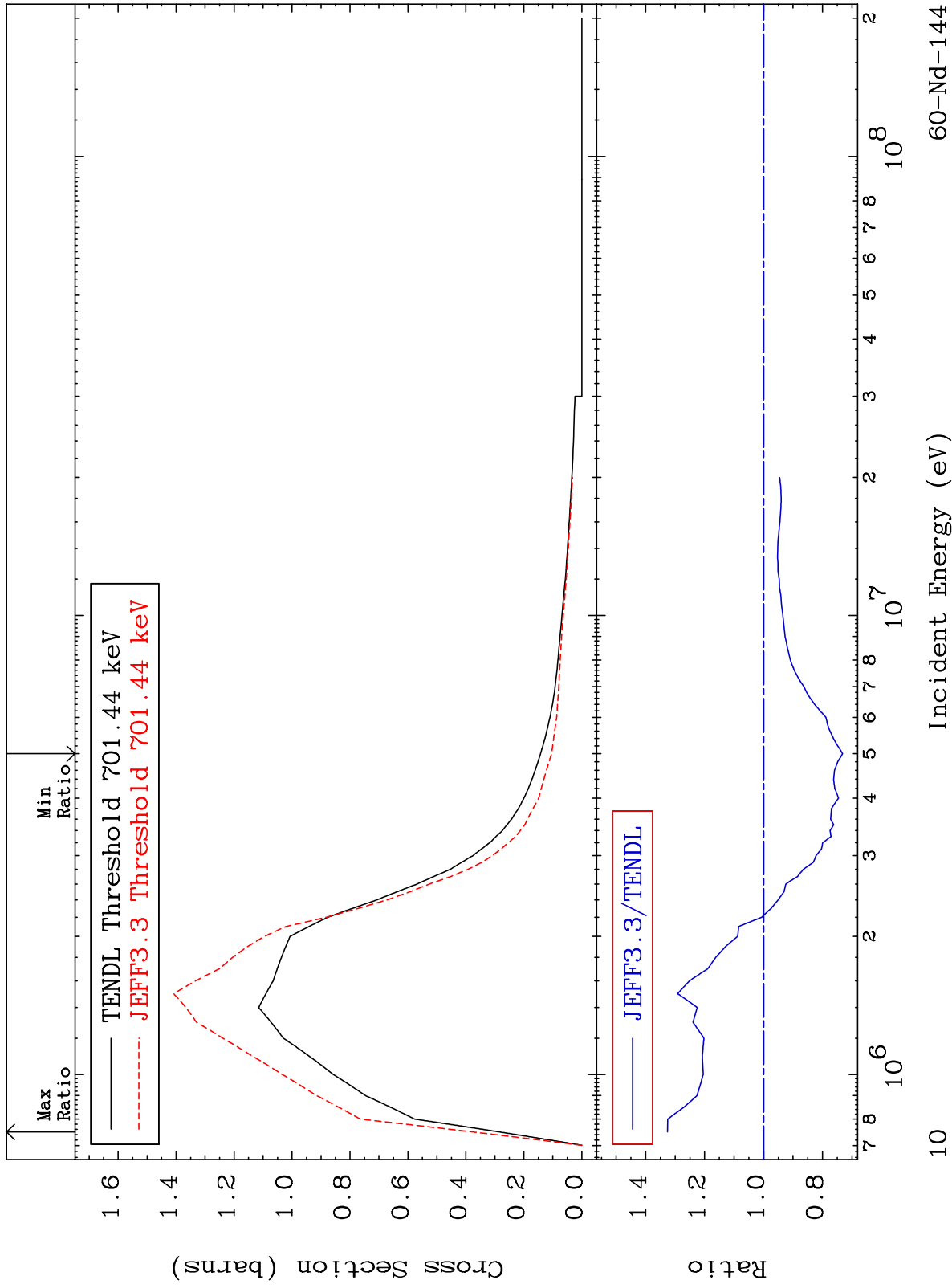
60-Nd-144
-96.89 To -39.34%



MAT 6031

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

60-Nd-144
-26.84 To 32.58 %

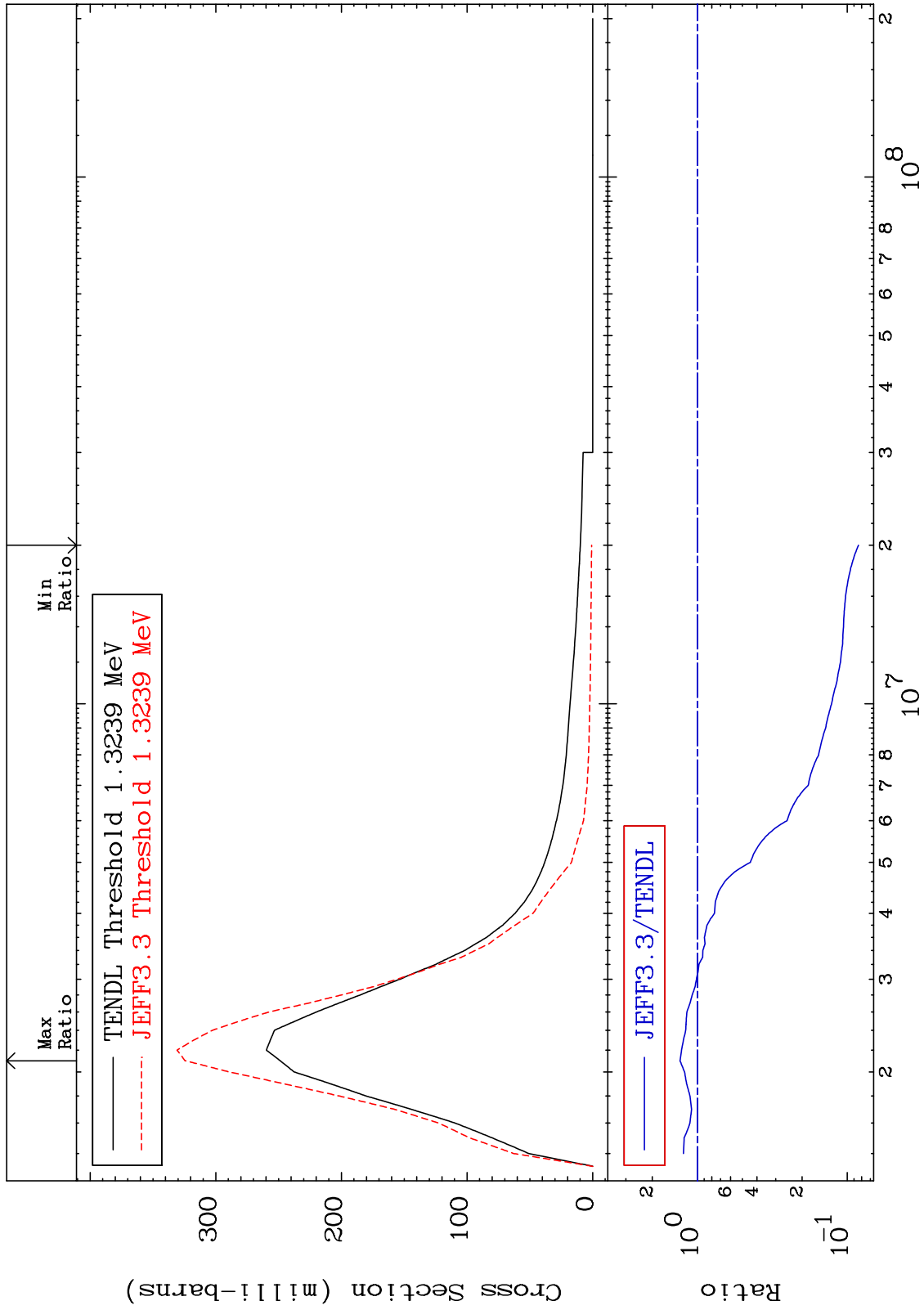


60-Nd-144

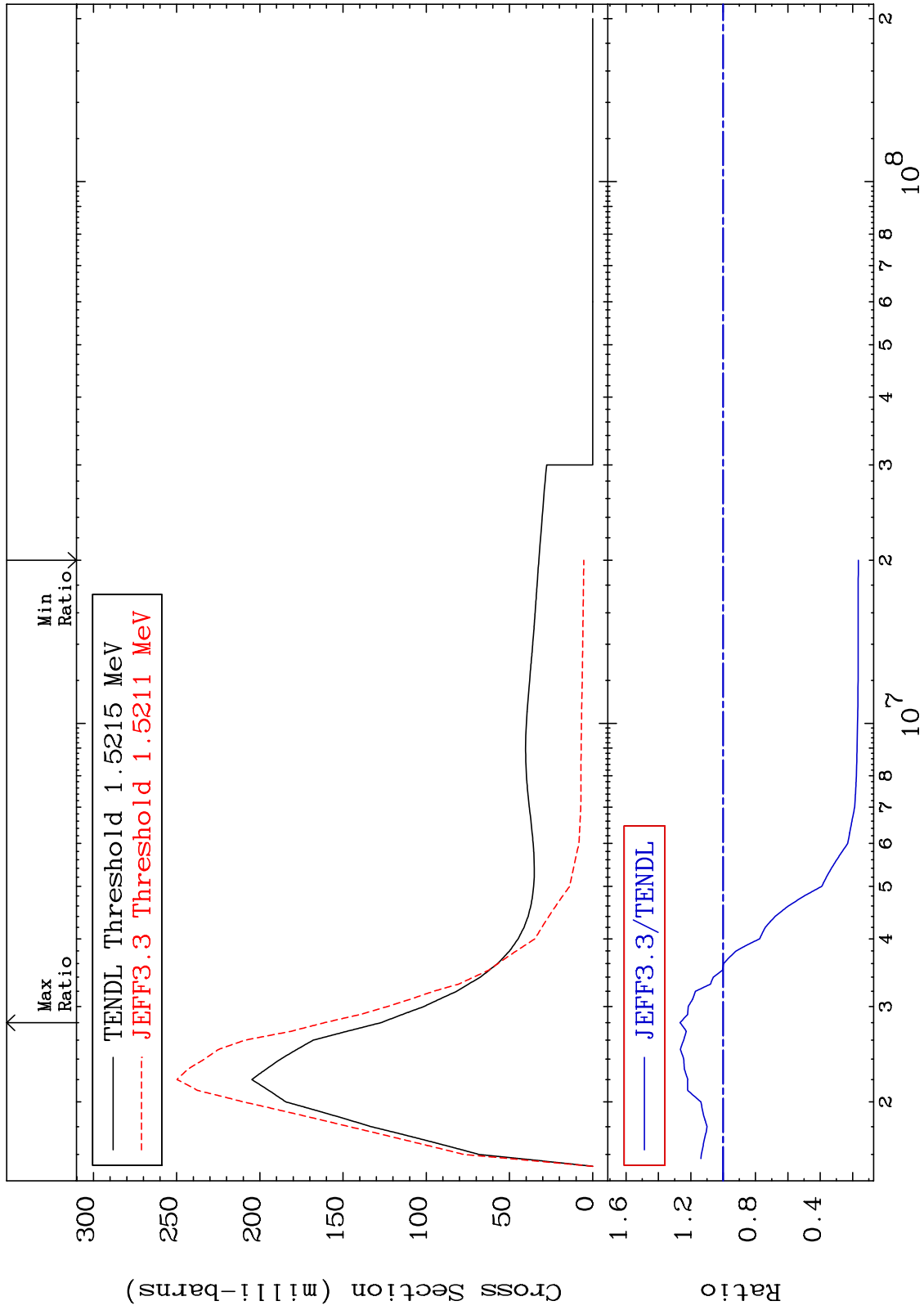
Incident Energy (eV)

10

MAT 6031 MT= 52 (n, n') Level
 Cross Section 60-Nd-144
 -91.58 To 30.42 %



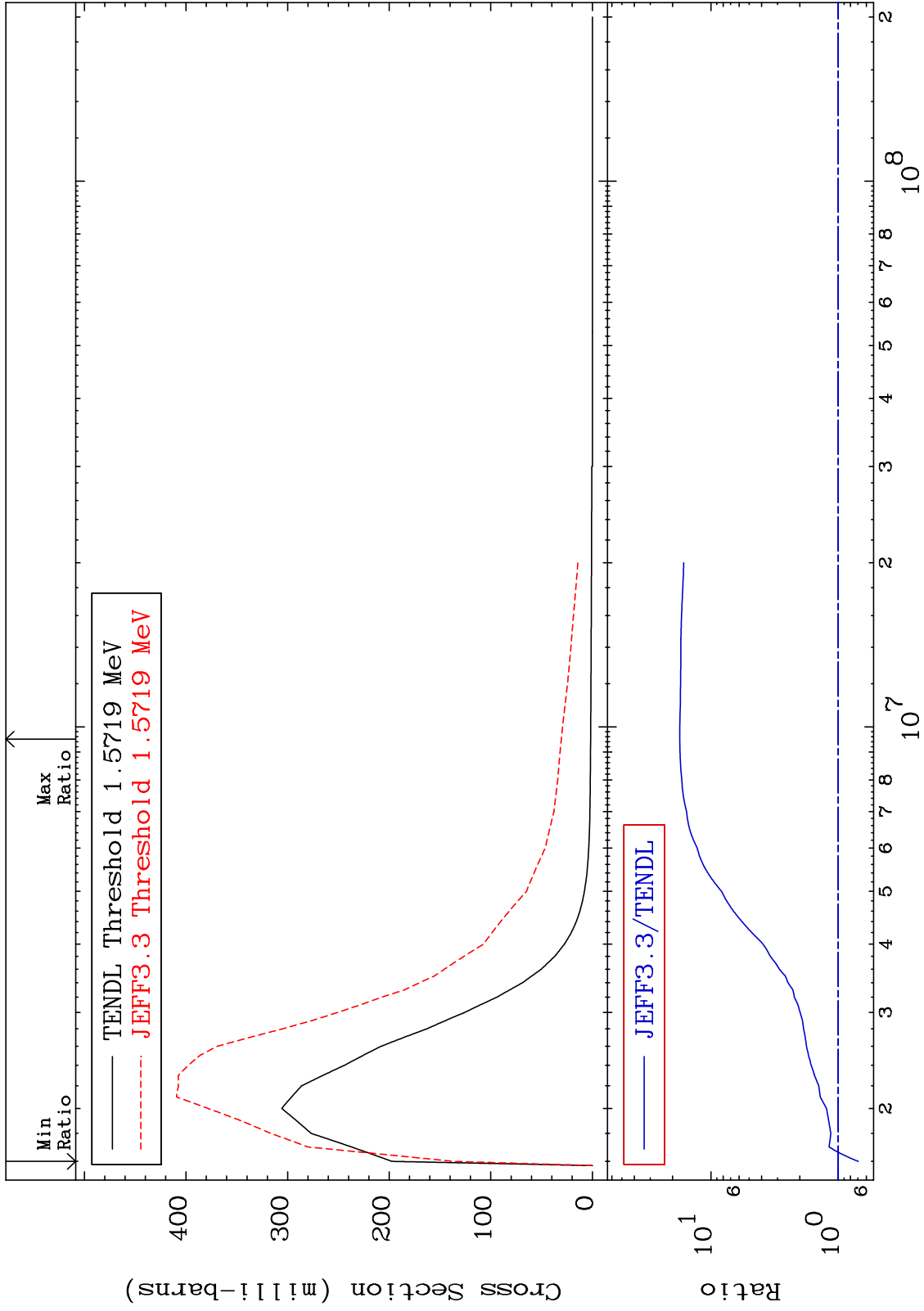
MAT 6031 MT= 53 (n, n') Level Cross Section 60-Nd-144
 -83.59 To 26.66 %



MAT 6031

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

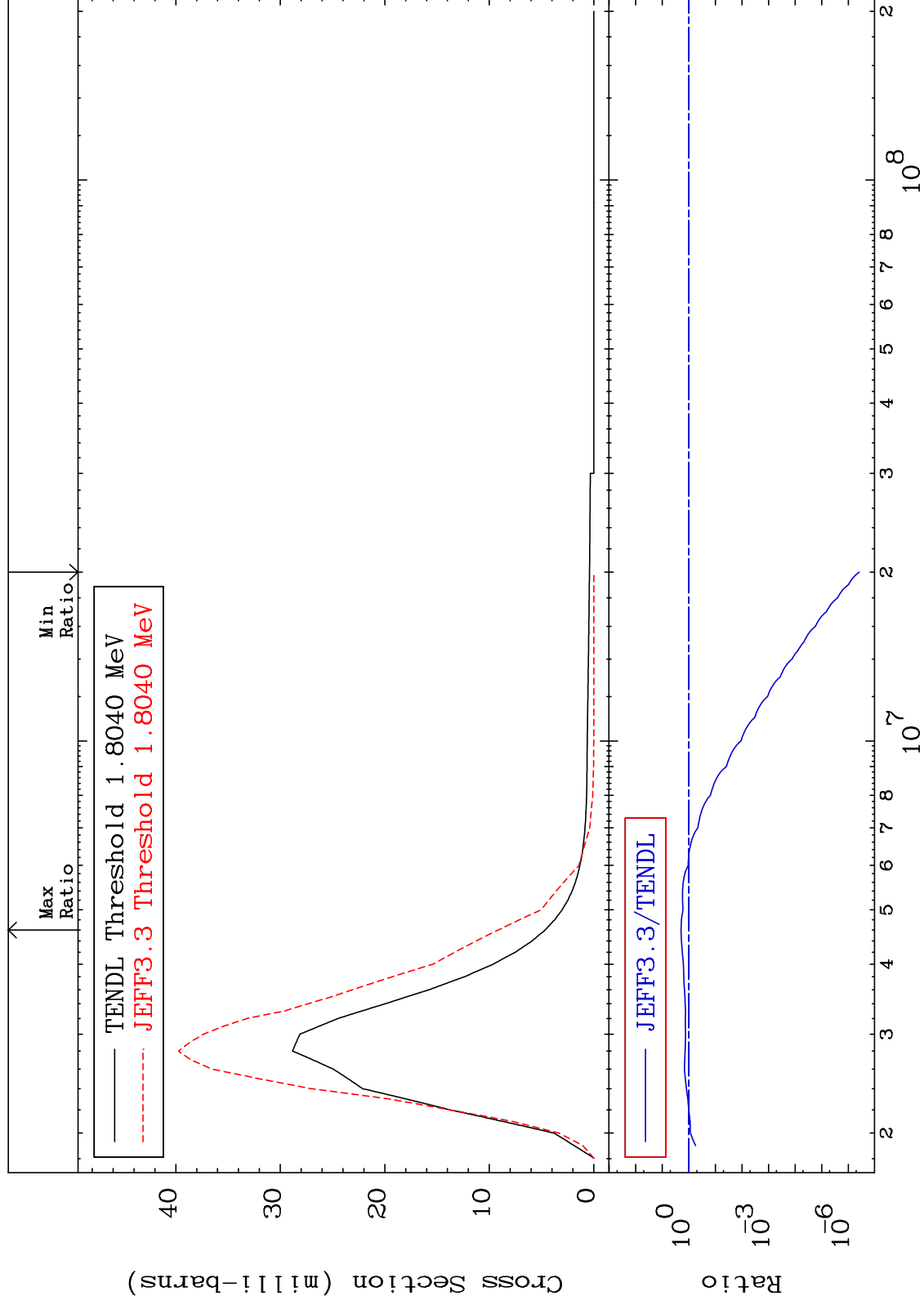
60-Nd-144
-30.53 To 1656. %



MAT 6031

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

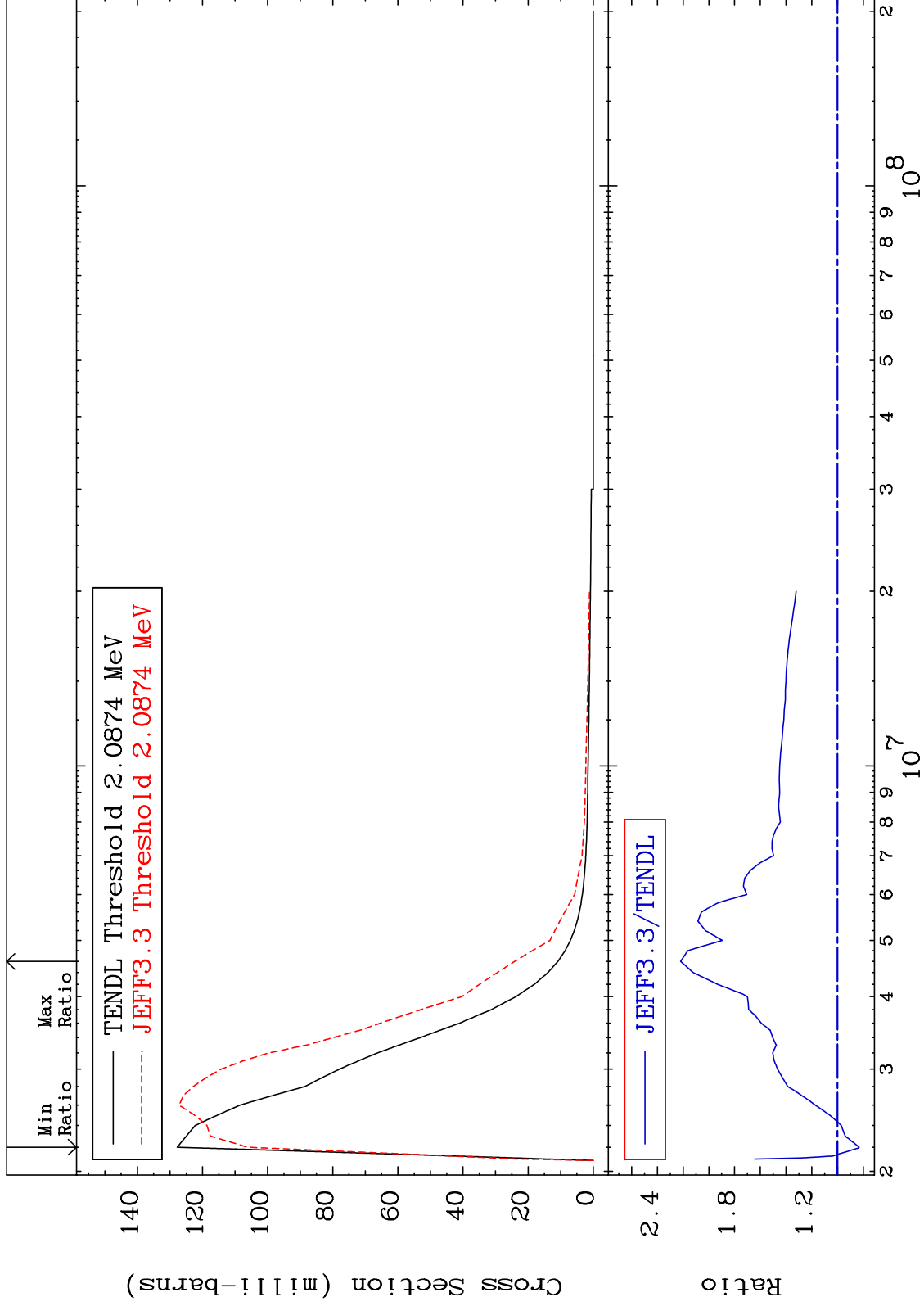
60-Nd-144
-100.0 To 96.44 %



MAT 6031

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

60-Nd-144
-16.87 To 121.9 %



15

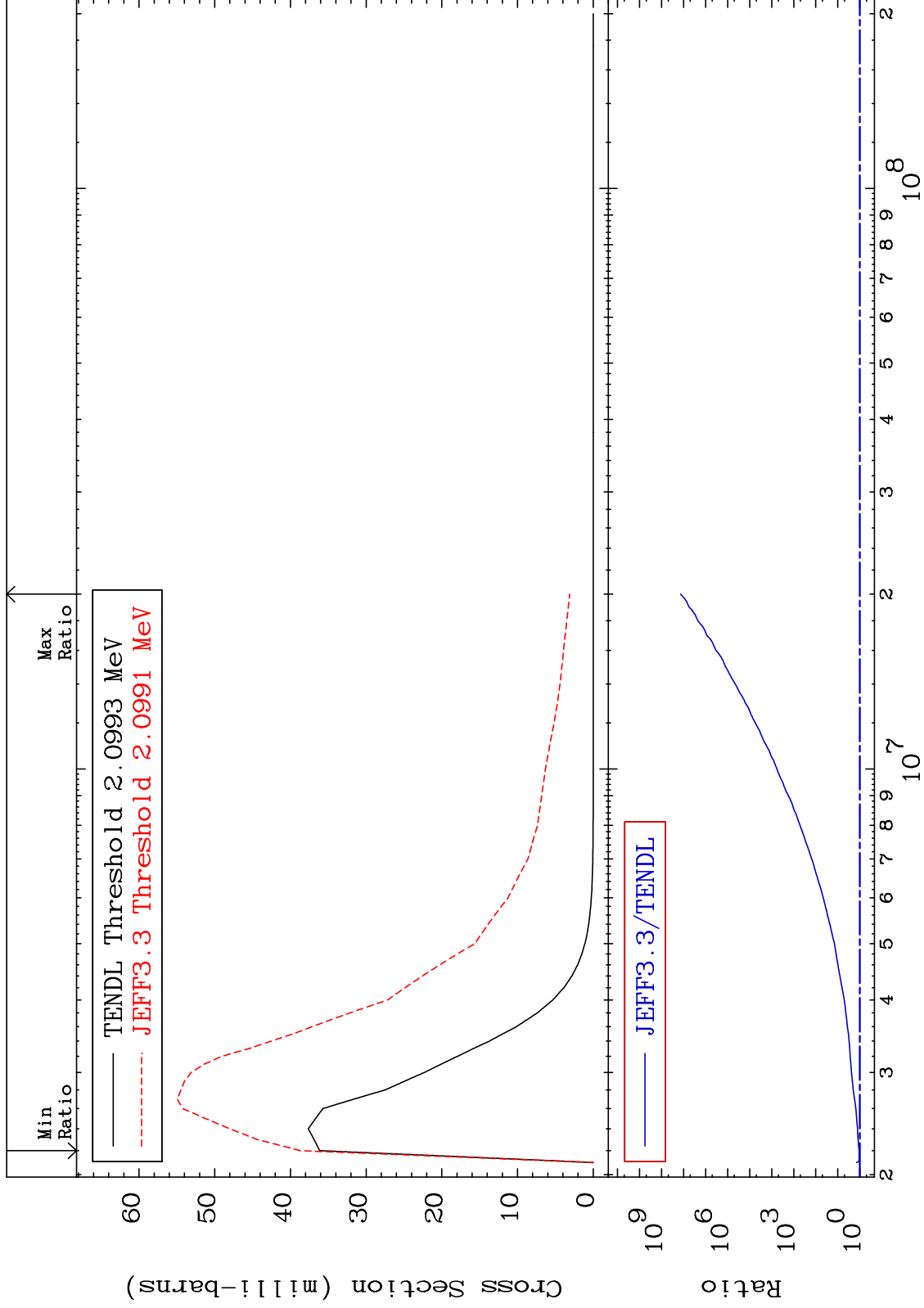
Incident Energy (eV)

60-Nd-144

MAT 6031

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

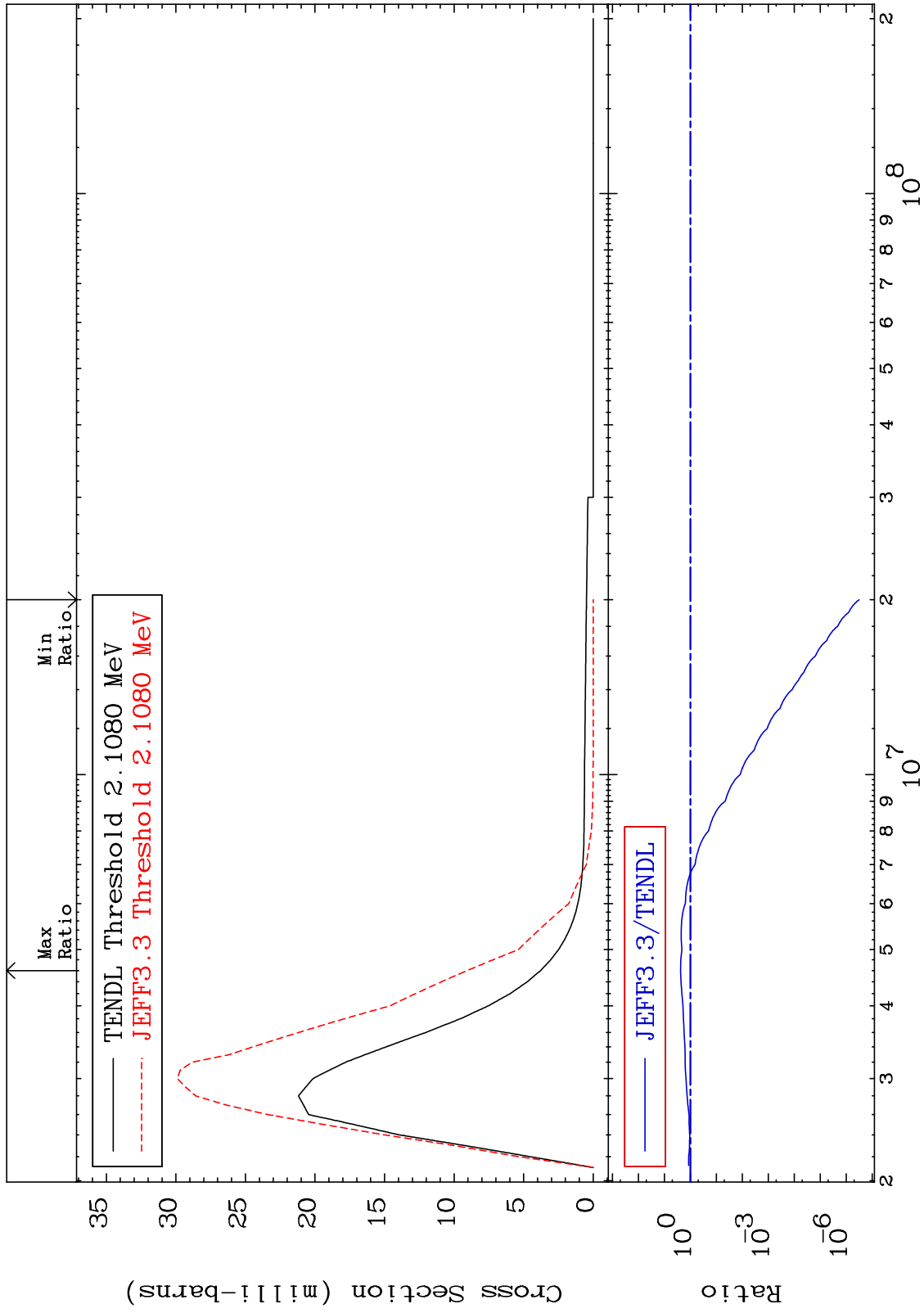
60-Nd-144
7.022 To 9999. %



MAT 6031

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

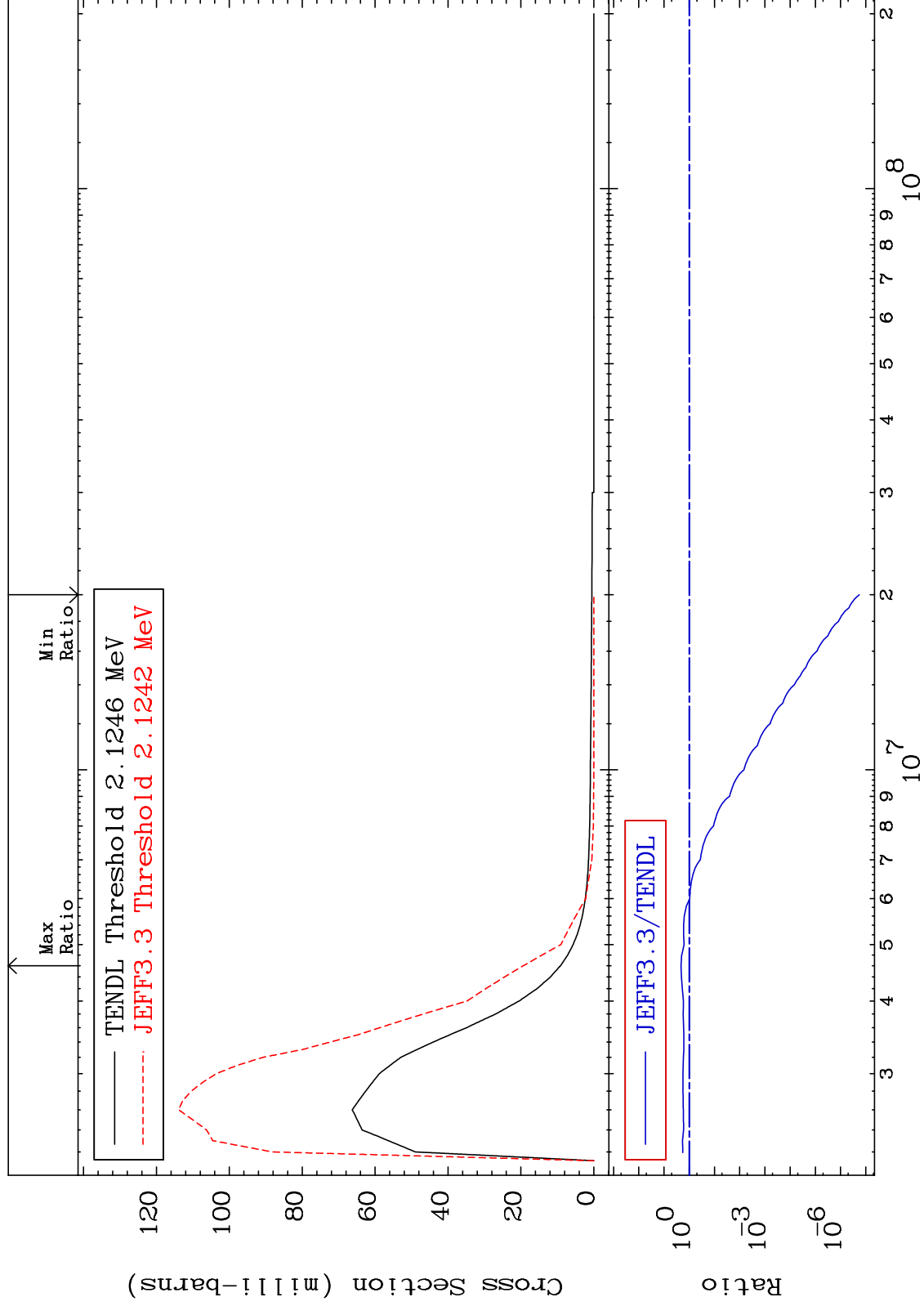
60-Nd-144
-100.0 To 139.4 %



MAT 6031

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

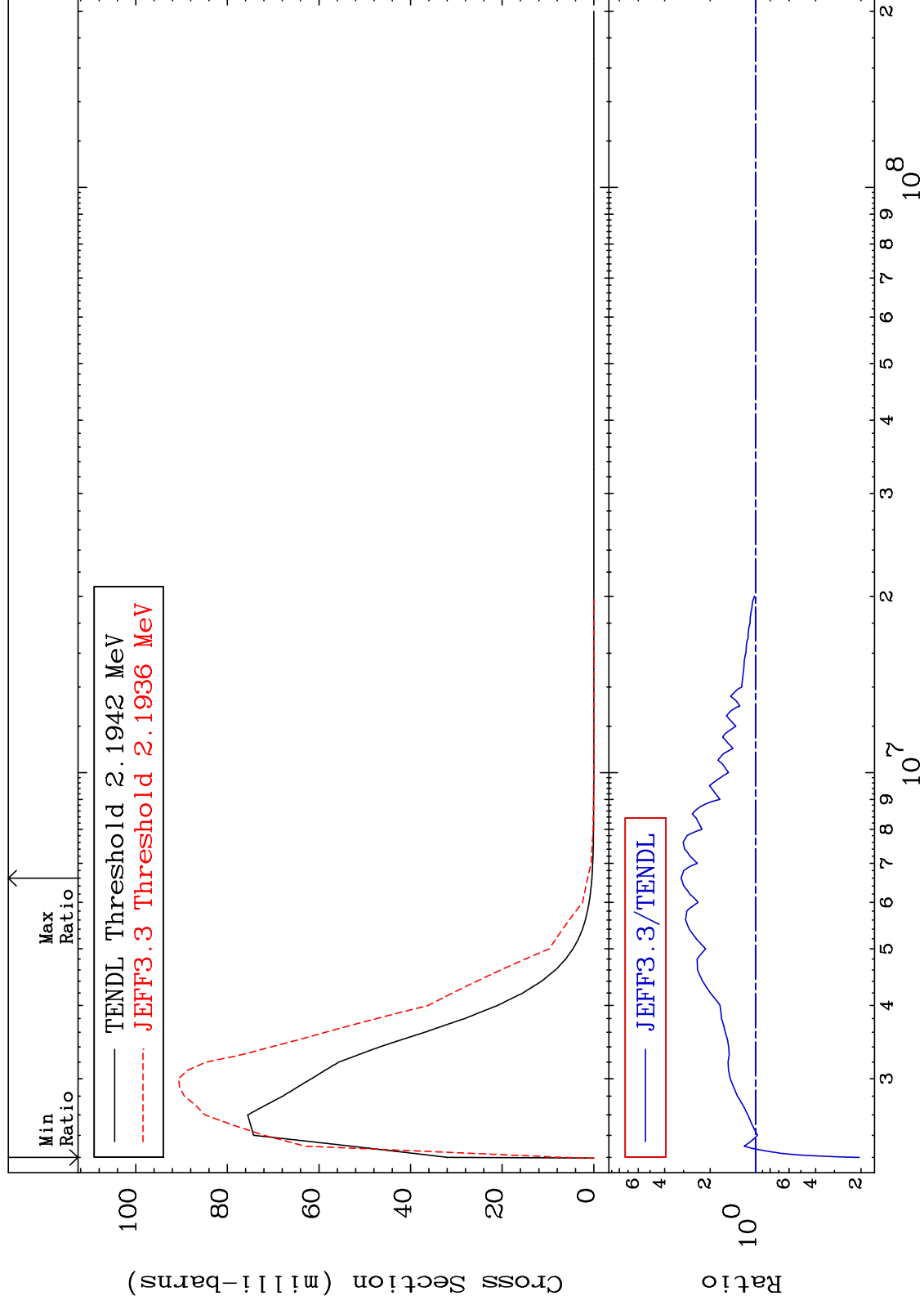
60-Nd-144
-100.0 To 111.1 %



MAT 6031

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

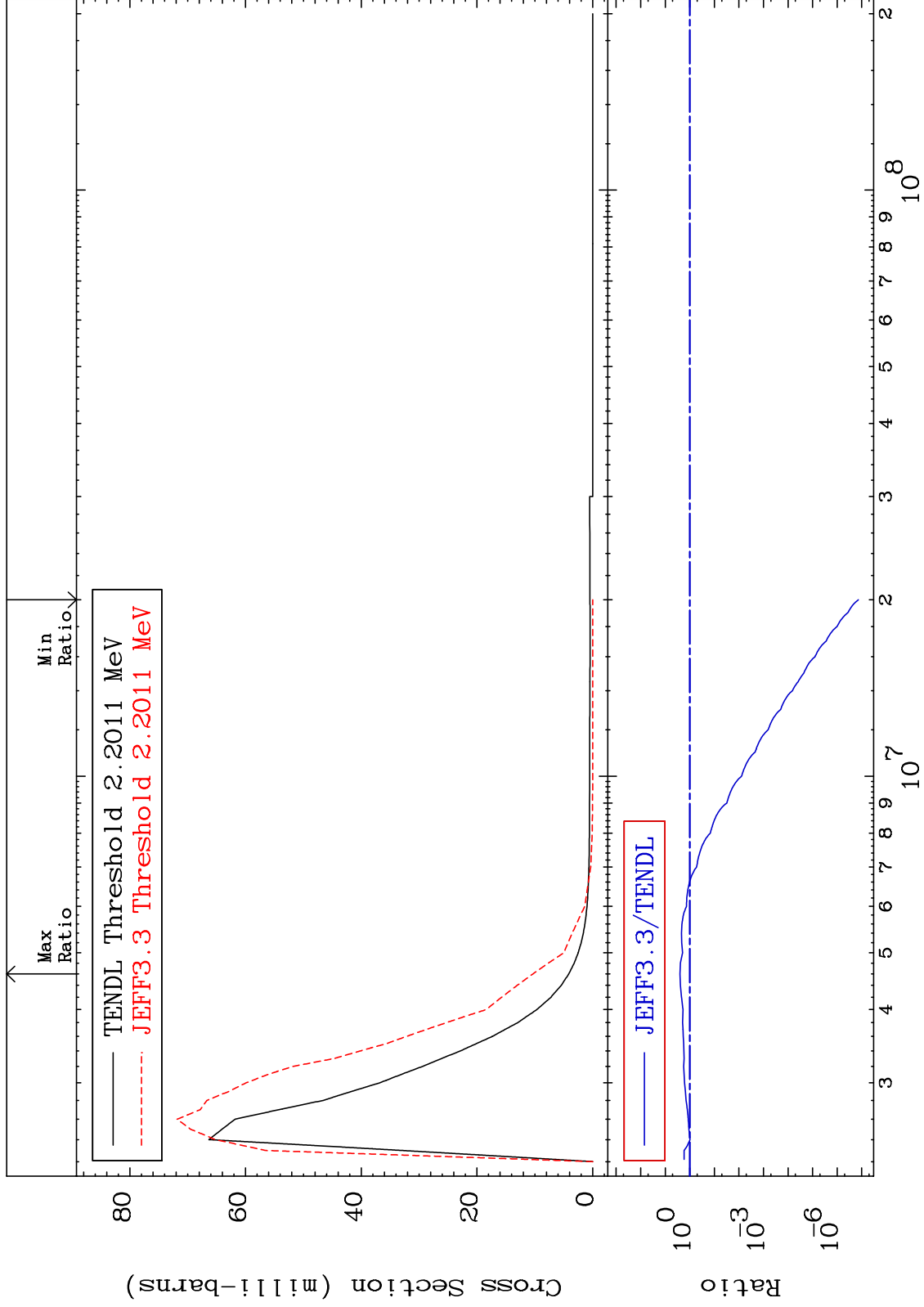
60-Nd-144
-79.48 To 211.8 %



MAT 6031

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

60-Nd-144
-100.0 To 150.0 %



20

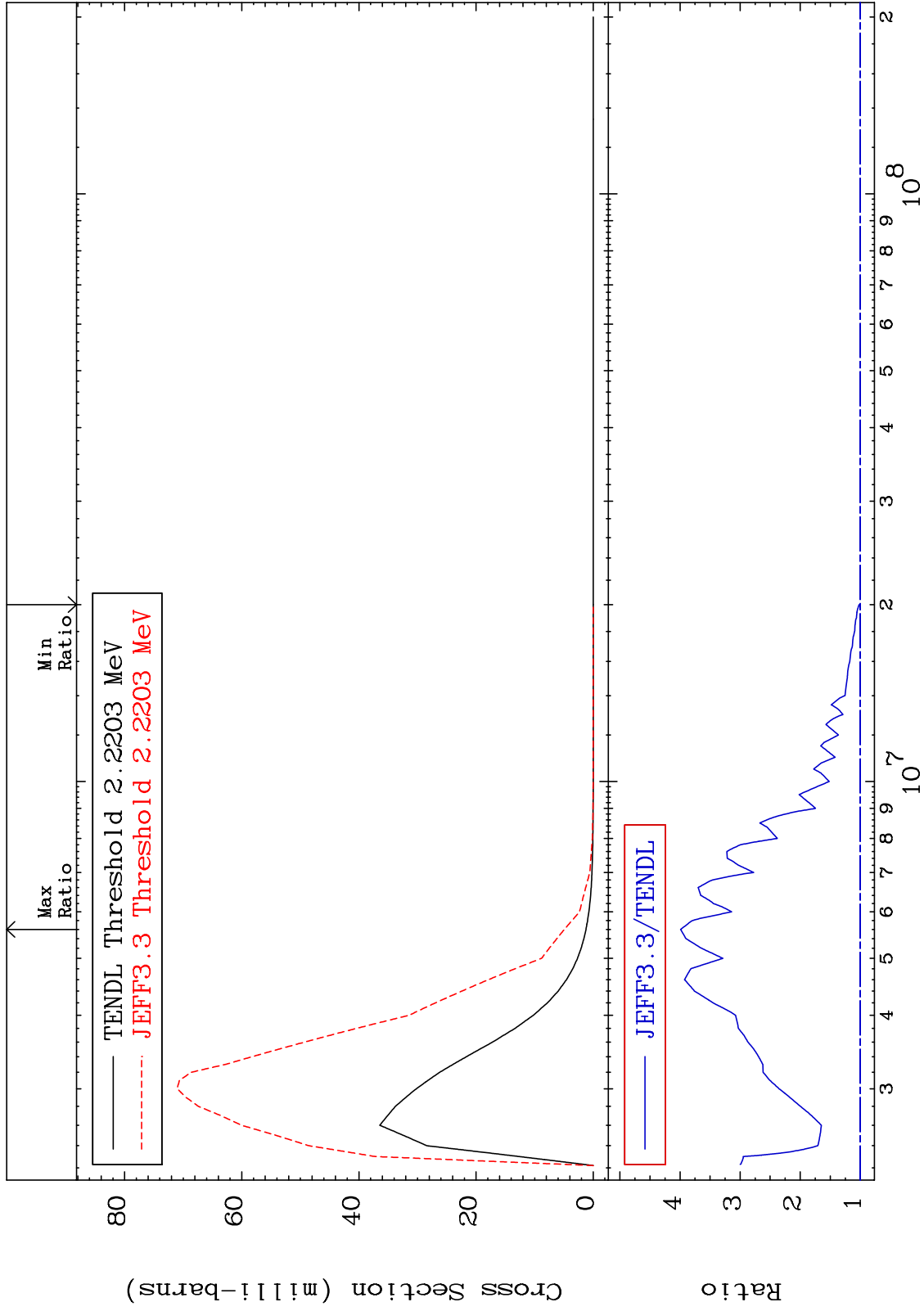
Incident Energy (eV)

60-Nd-144

MAT 6031

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

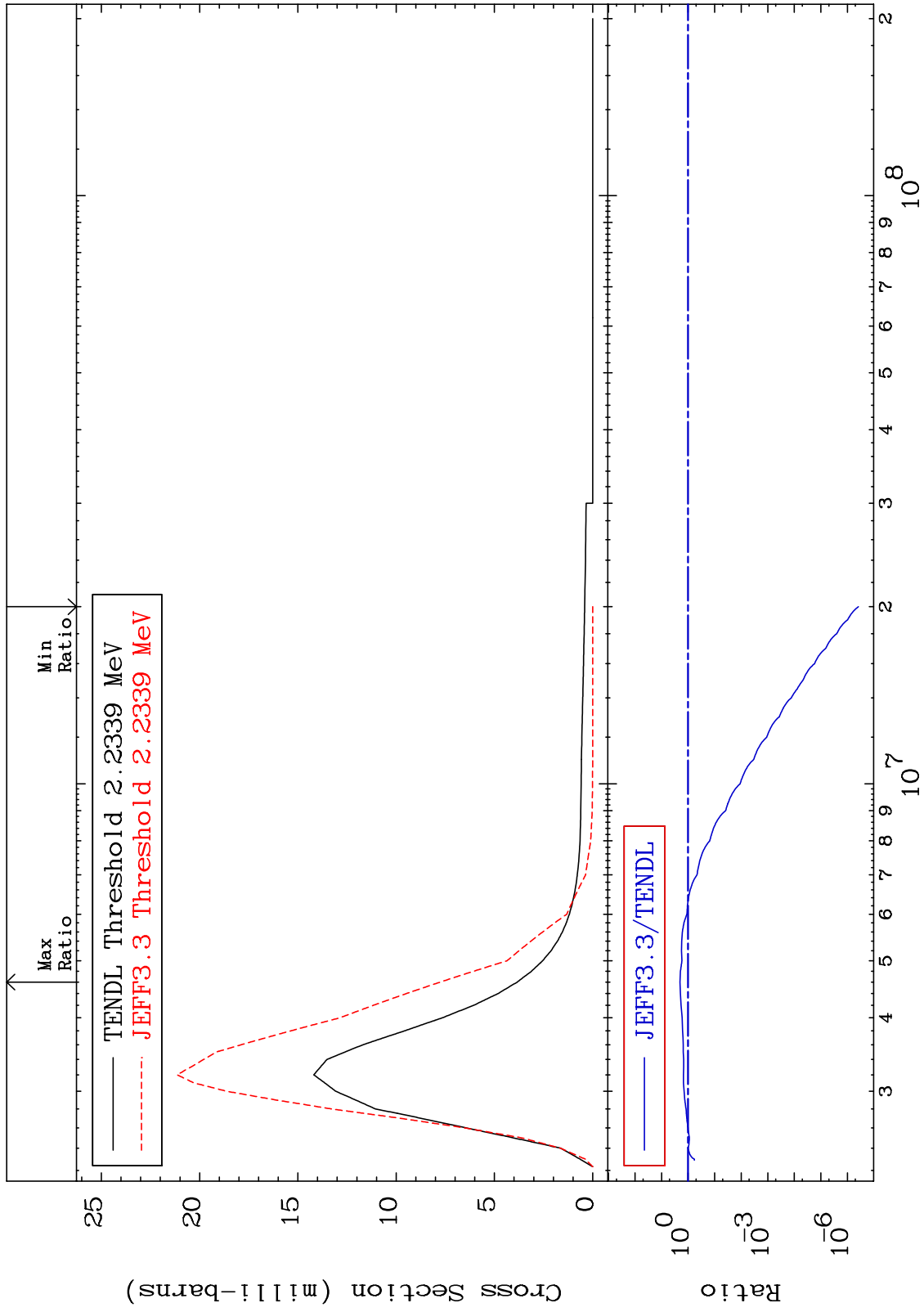
60-Nd-144
1.866 To 299.0 %



MAT 6031

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

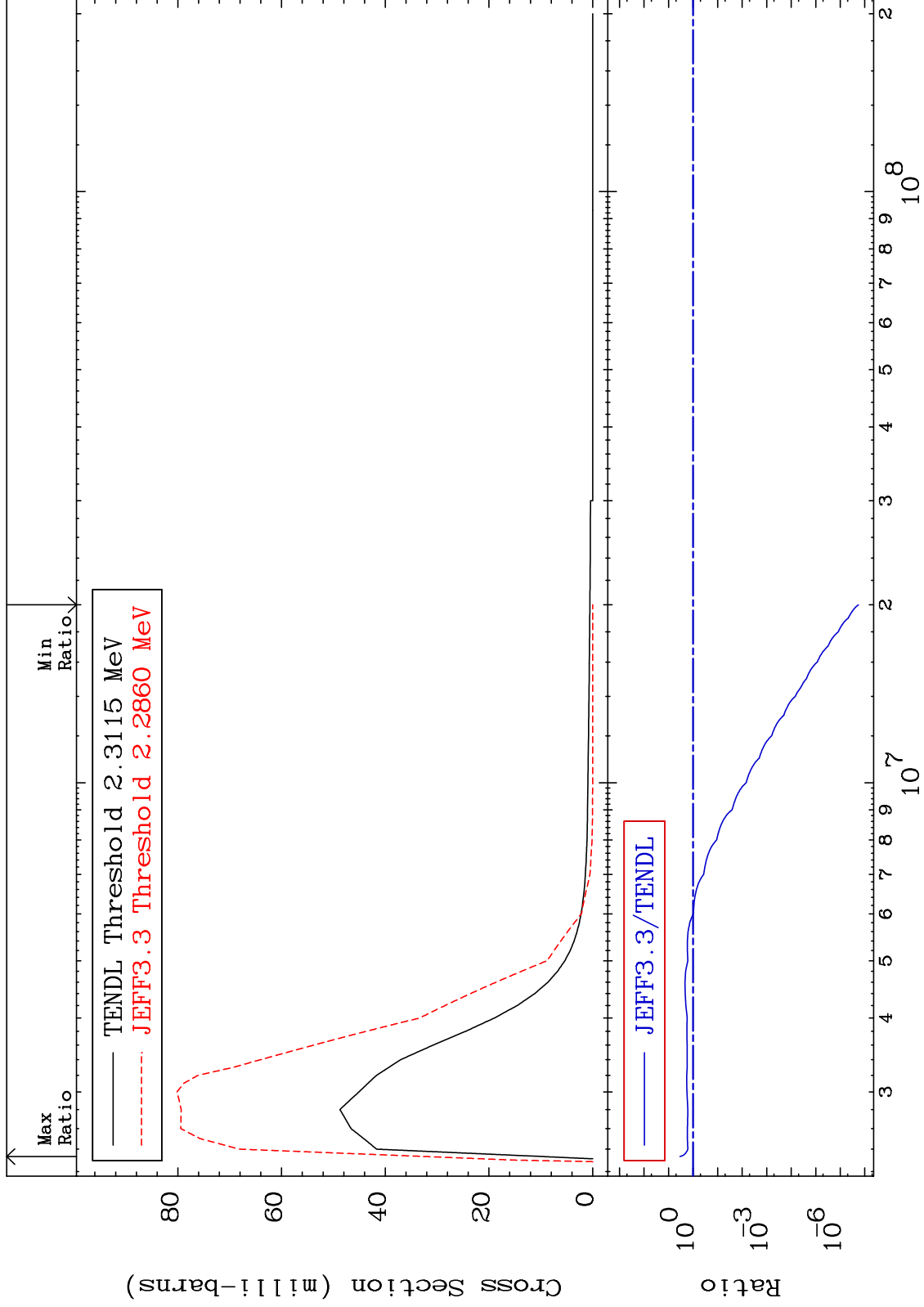
60-Nd-144
-100.0 To 102.0 %



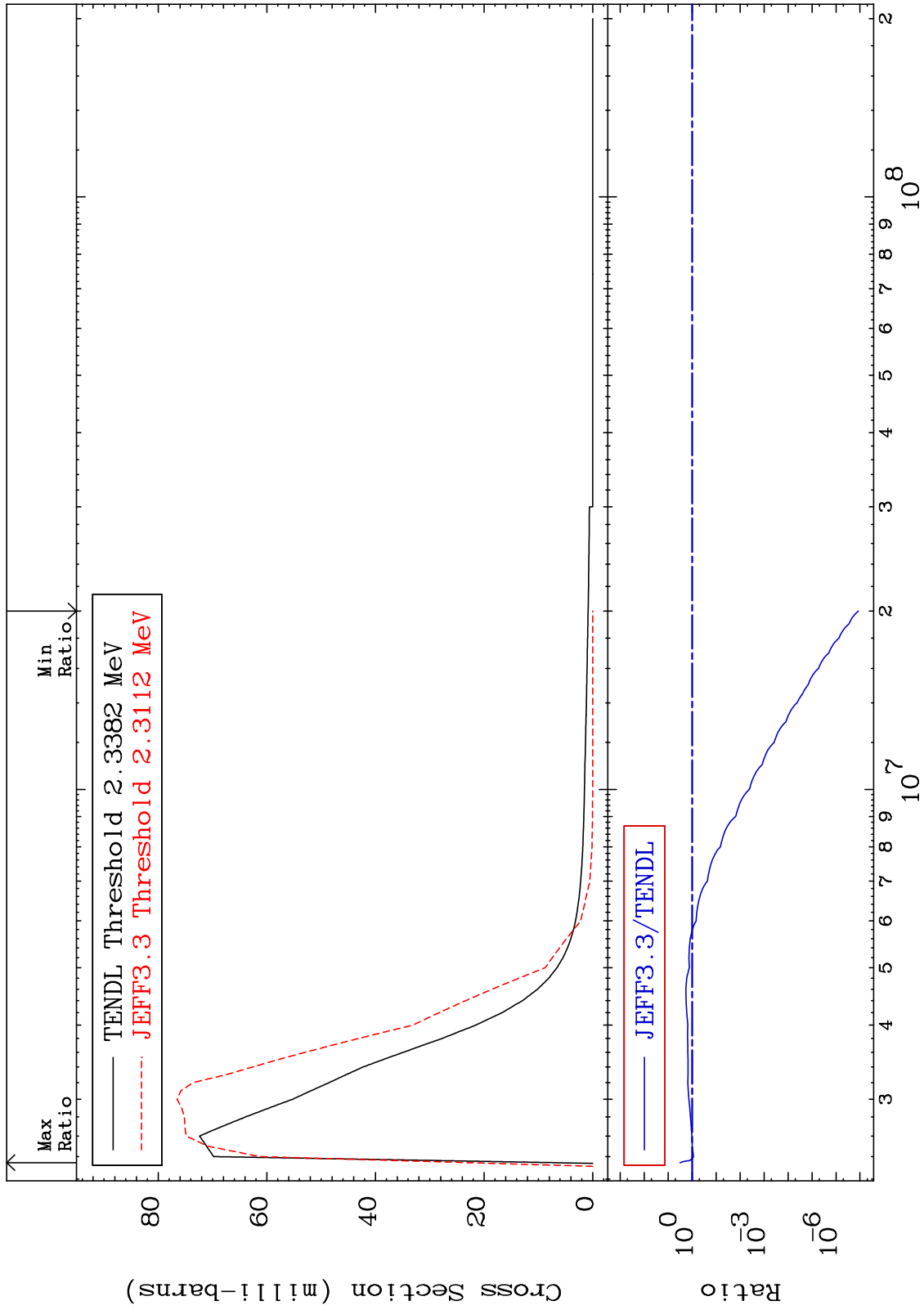
MAT 6031

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

60-Nd-144
-100.0 To 240.9 %



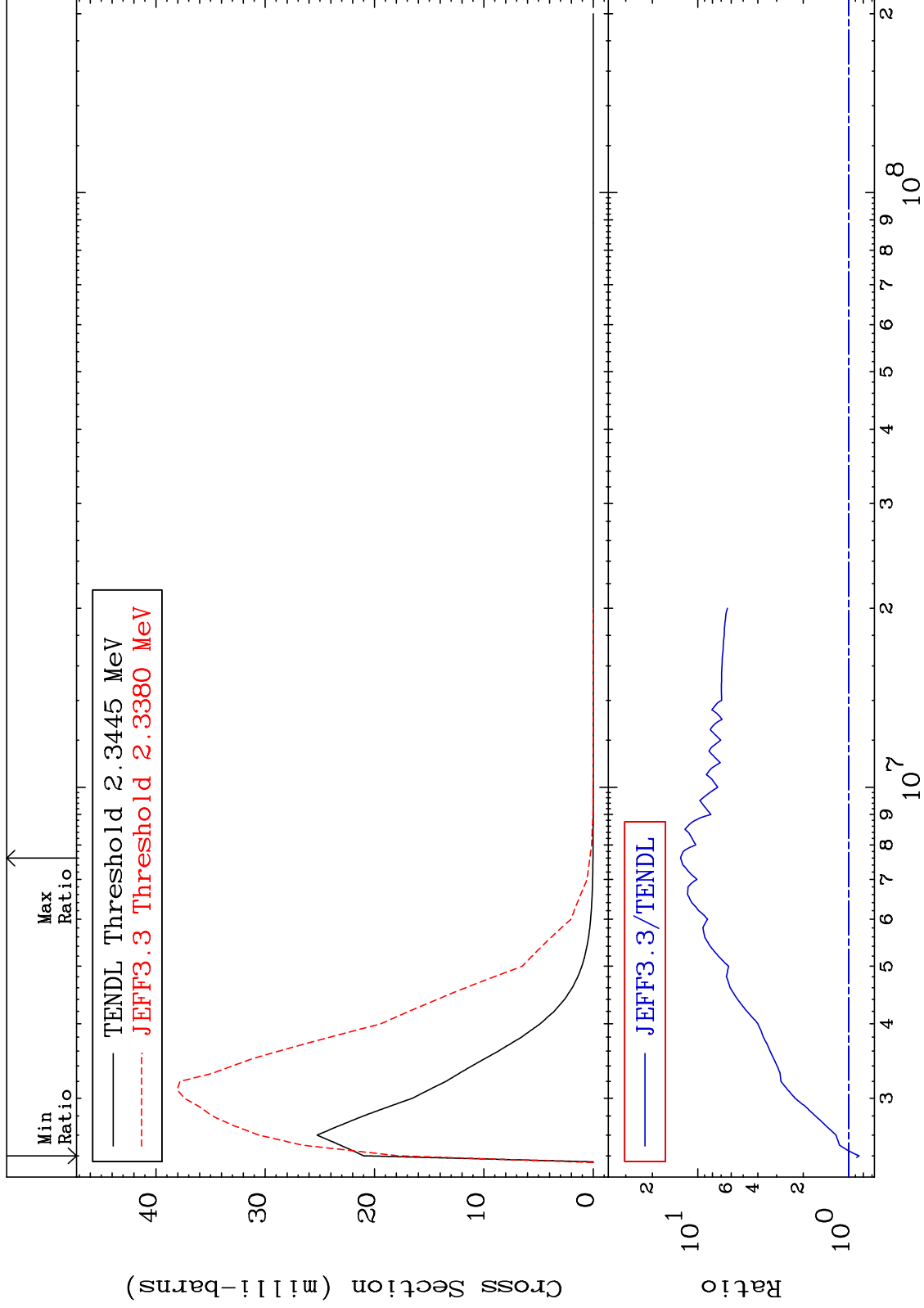
MAT 6031 MT= 65 (n,n') Level Cross Section 60-Nd-144 -100.0 To 221.8 %



MAT 6031

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

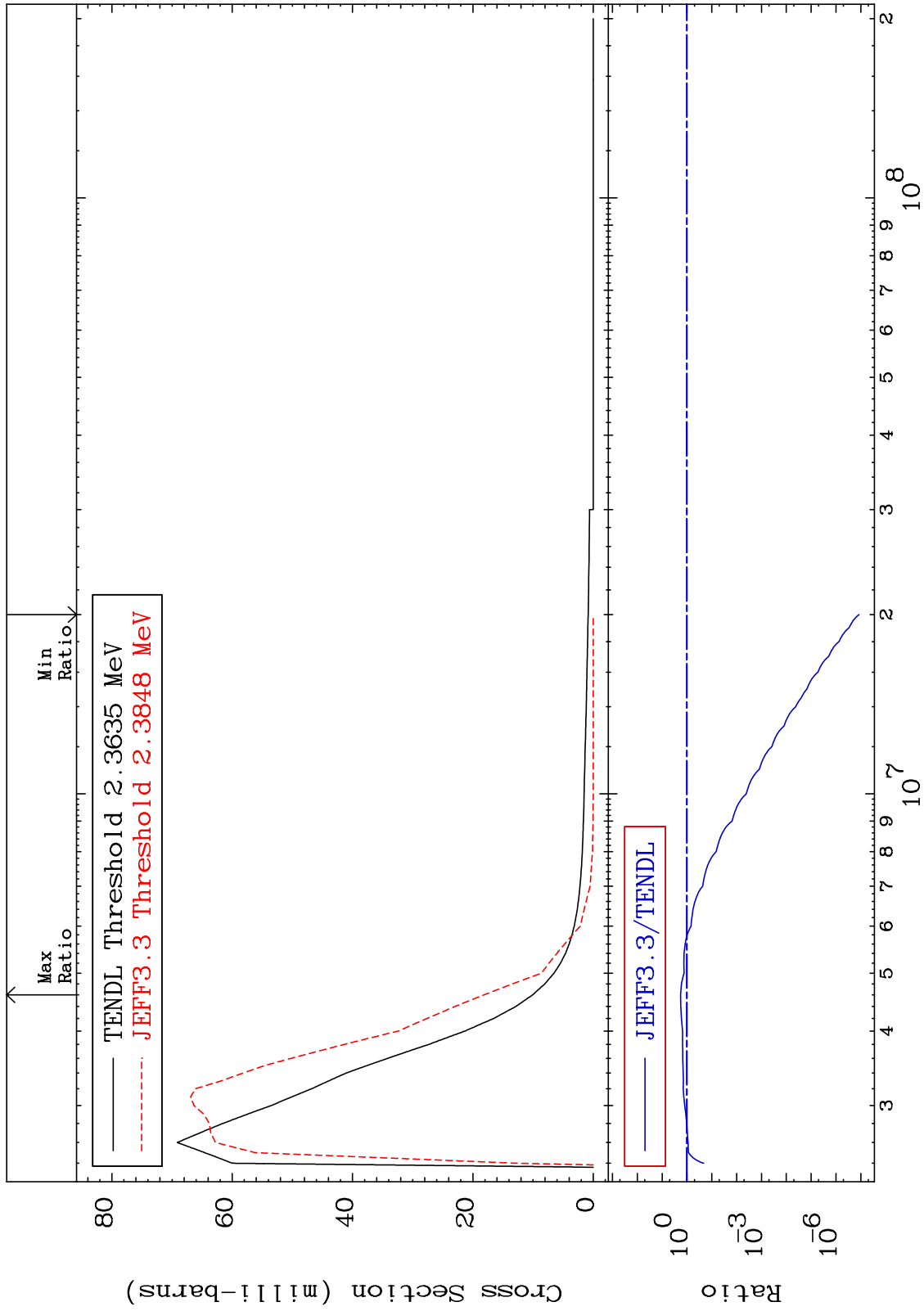
60-Nd-144
-14.92 To 1199. %



MAT 6031

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

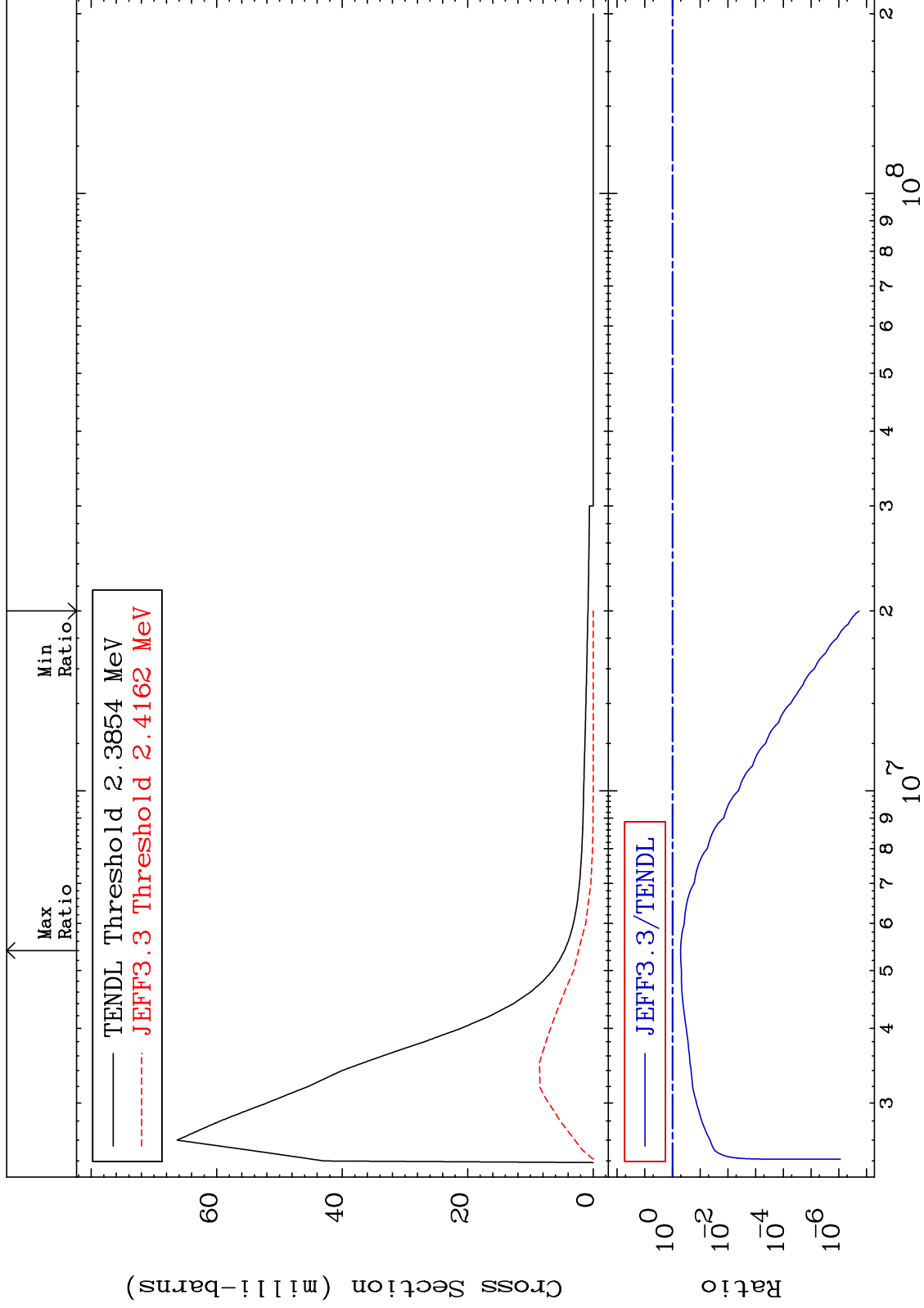
60-Nd-144
-100.0 To 80.13 %



MAT 6031

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

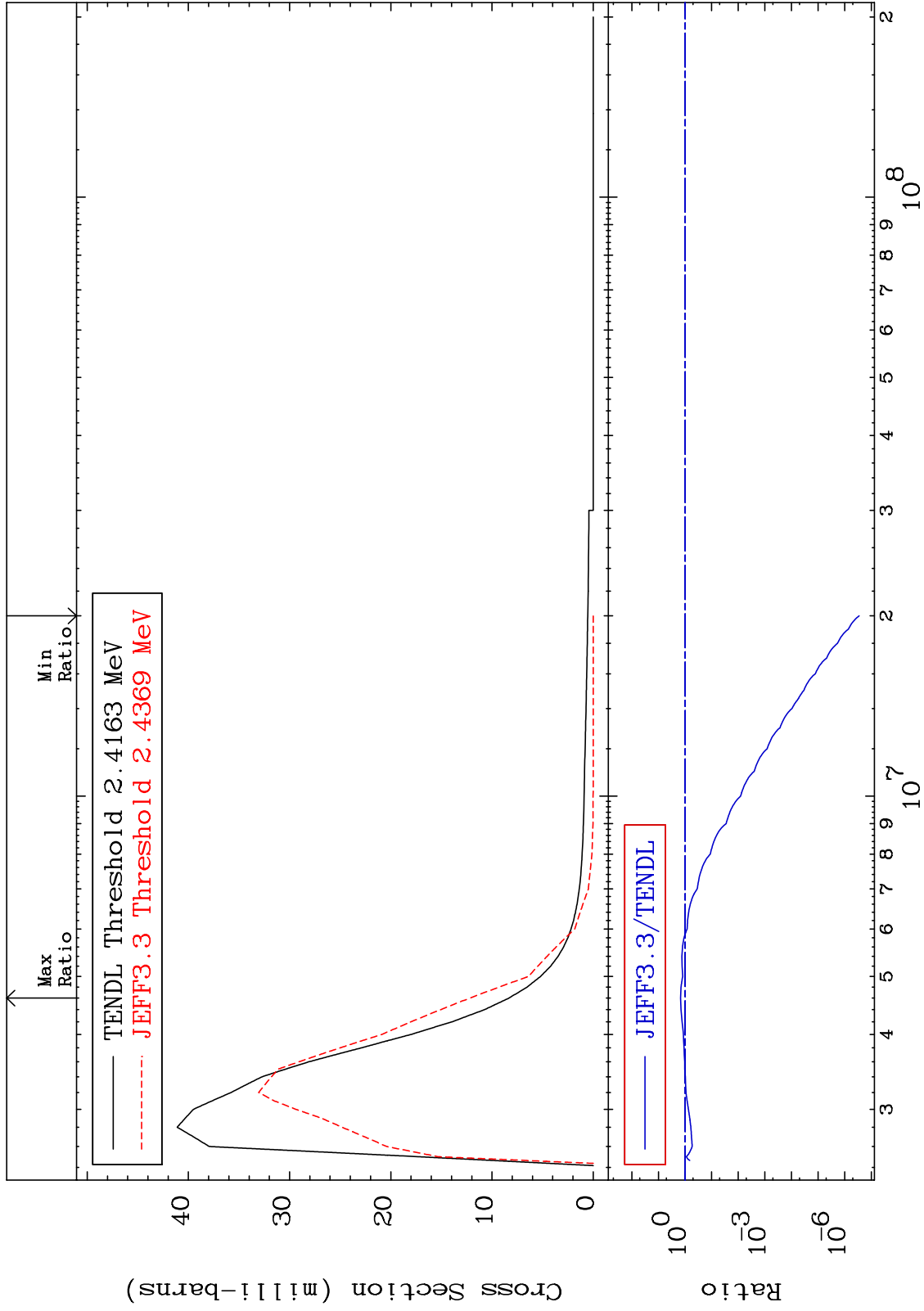
60-Nd-144
-100.0 To -48.91%



MAT 6031

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

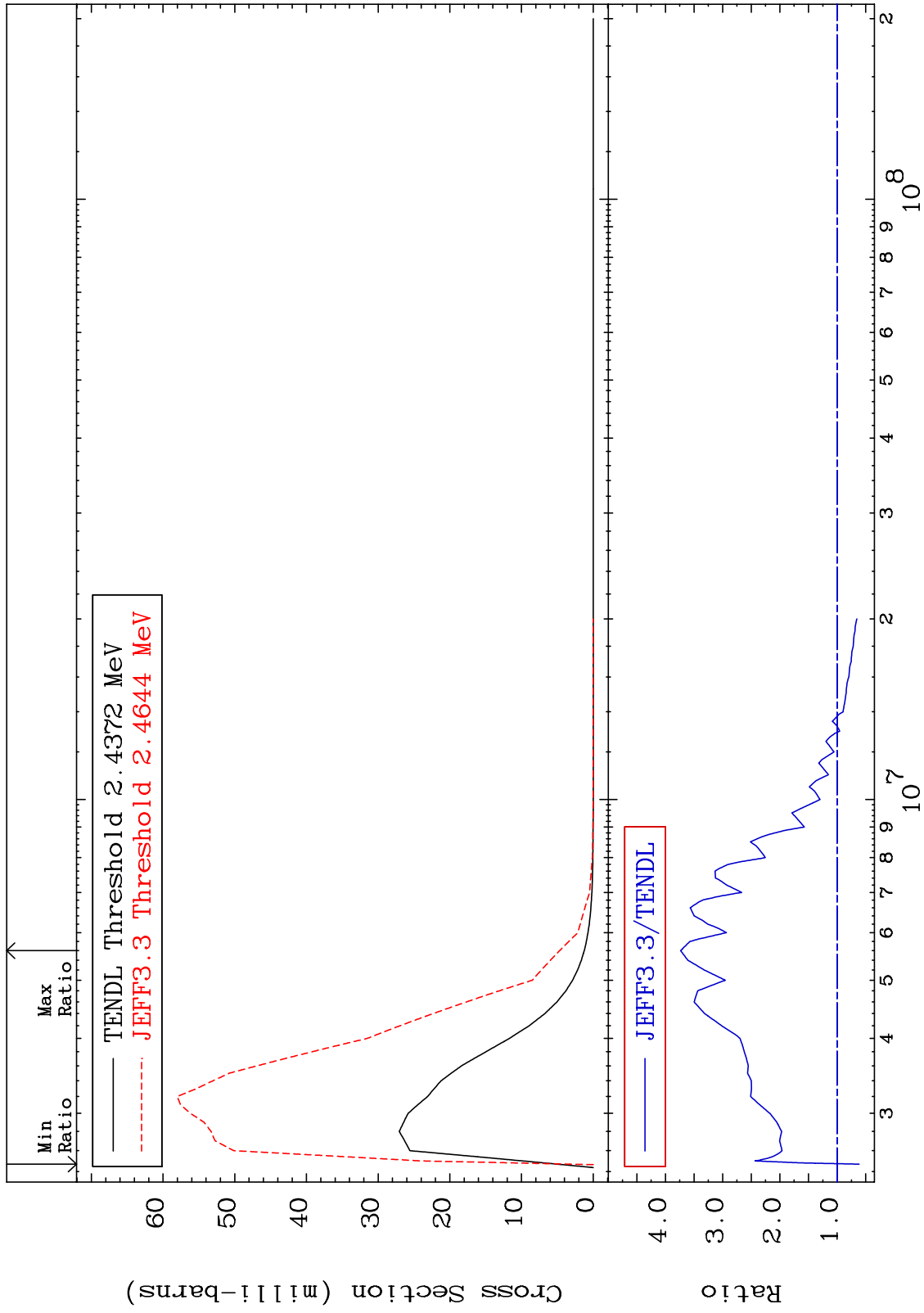
60-Nd-144
-100.0 To 46.49 %



MAT 6031

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

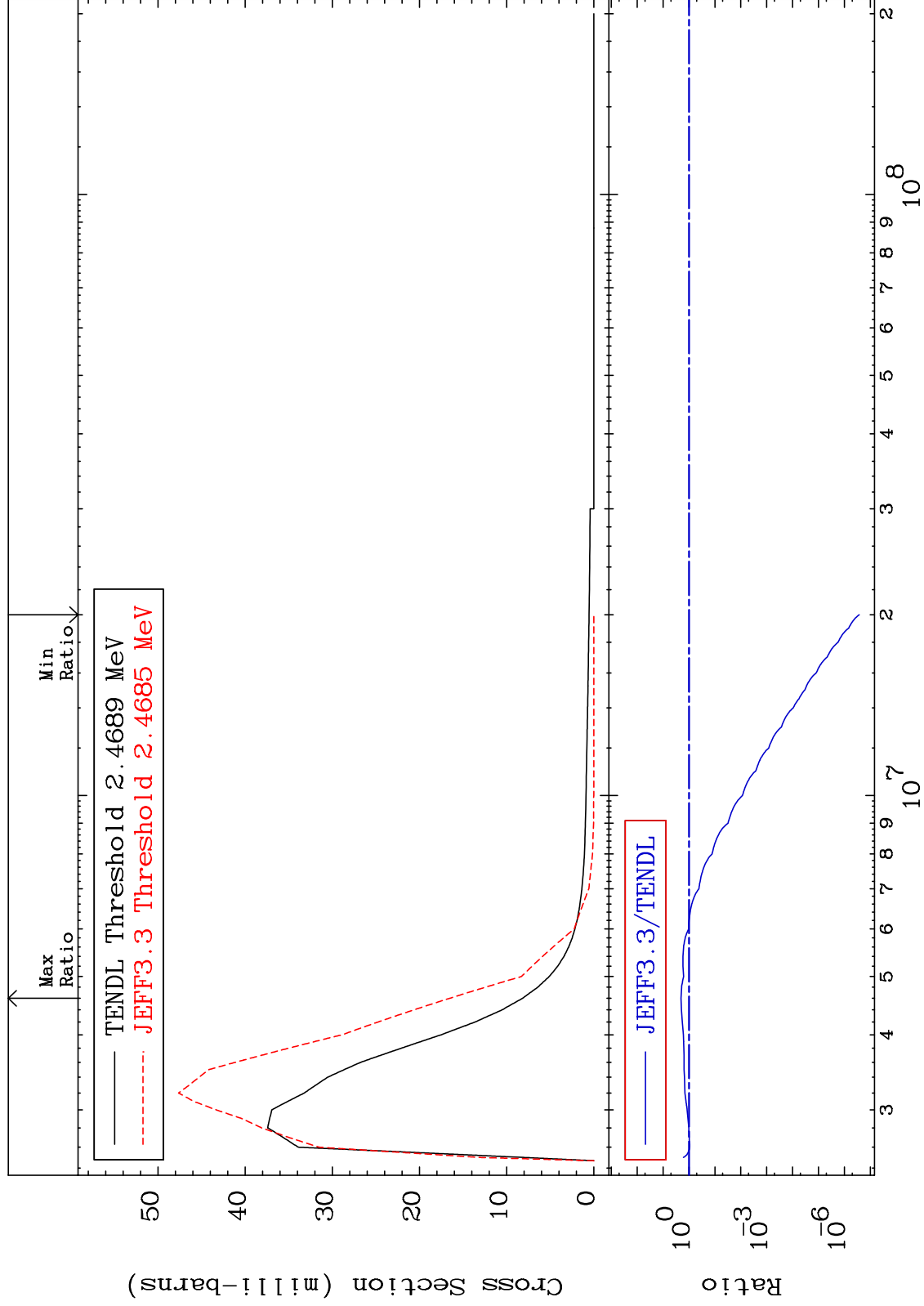
60-Nd-144
-38.62 To 273.5 %



MAT 6031

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

60-Nd-144
-100.0 To 102.3 %



30

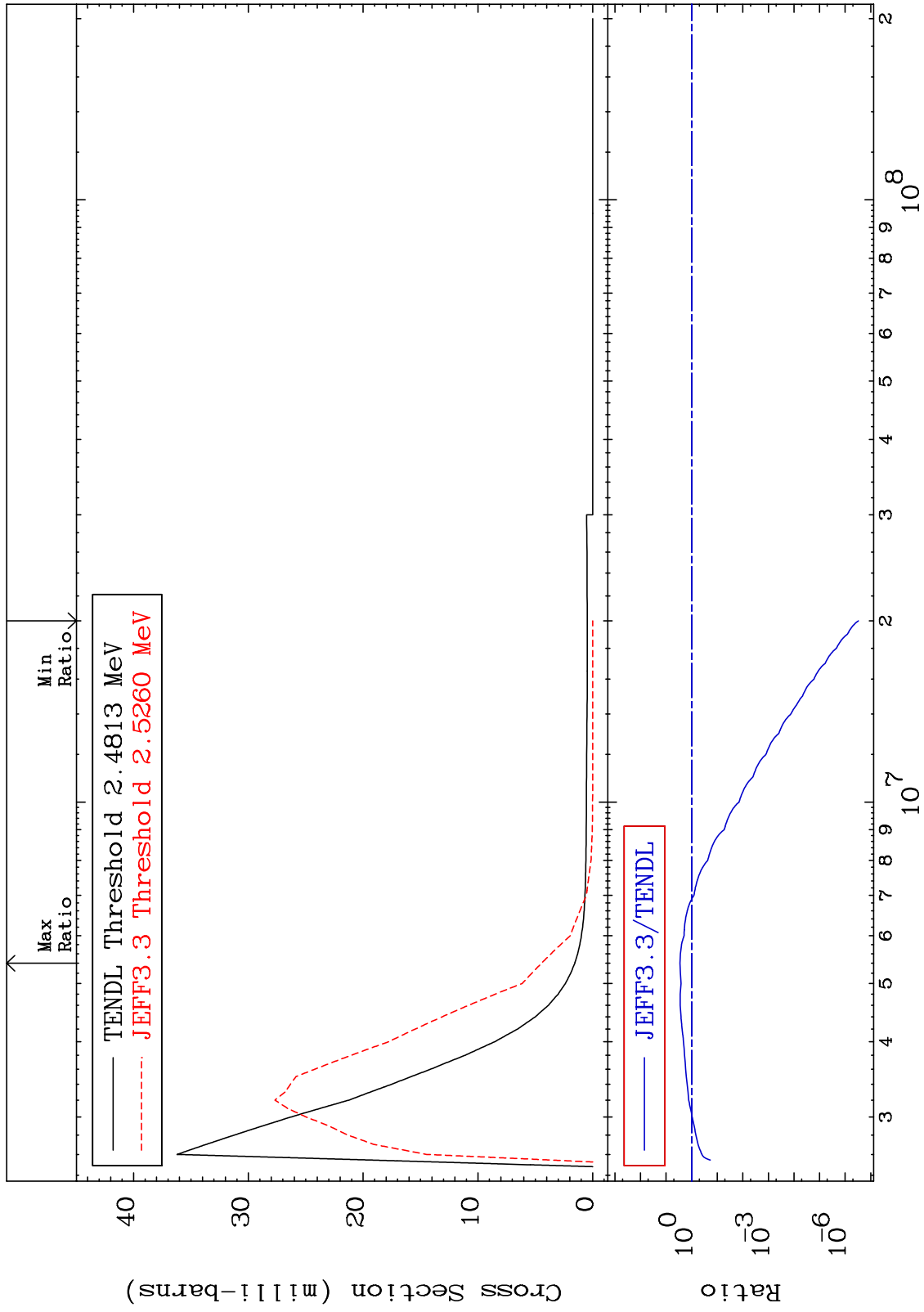
Incident Energy (eV)

60-Nd-144

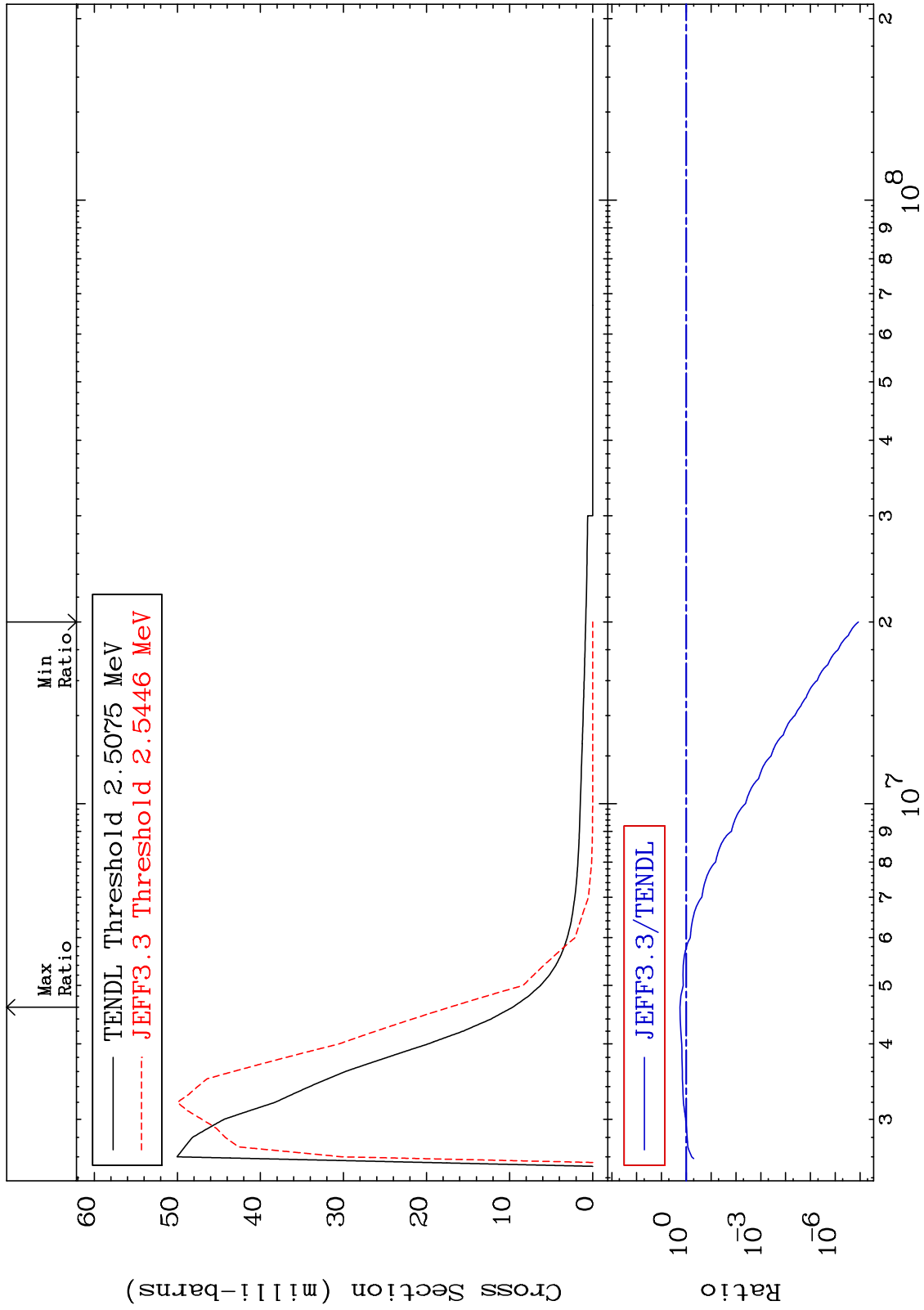
MAT 6031

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

60-Nd-144
-100.0 To 185.4 %



MAT 6031 MT= 73 (n,n') Level
Cross Section 60-Nd-144
-100.0 To 78.89 %

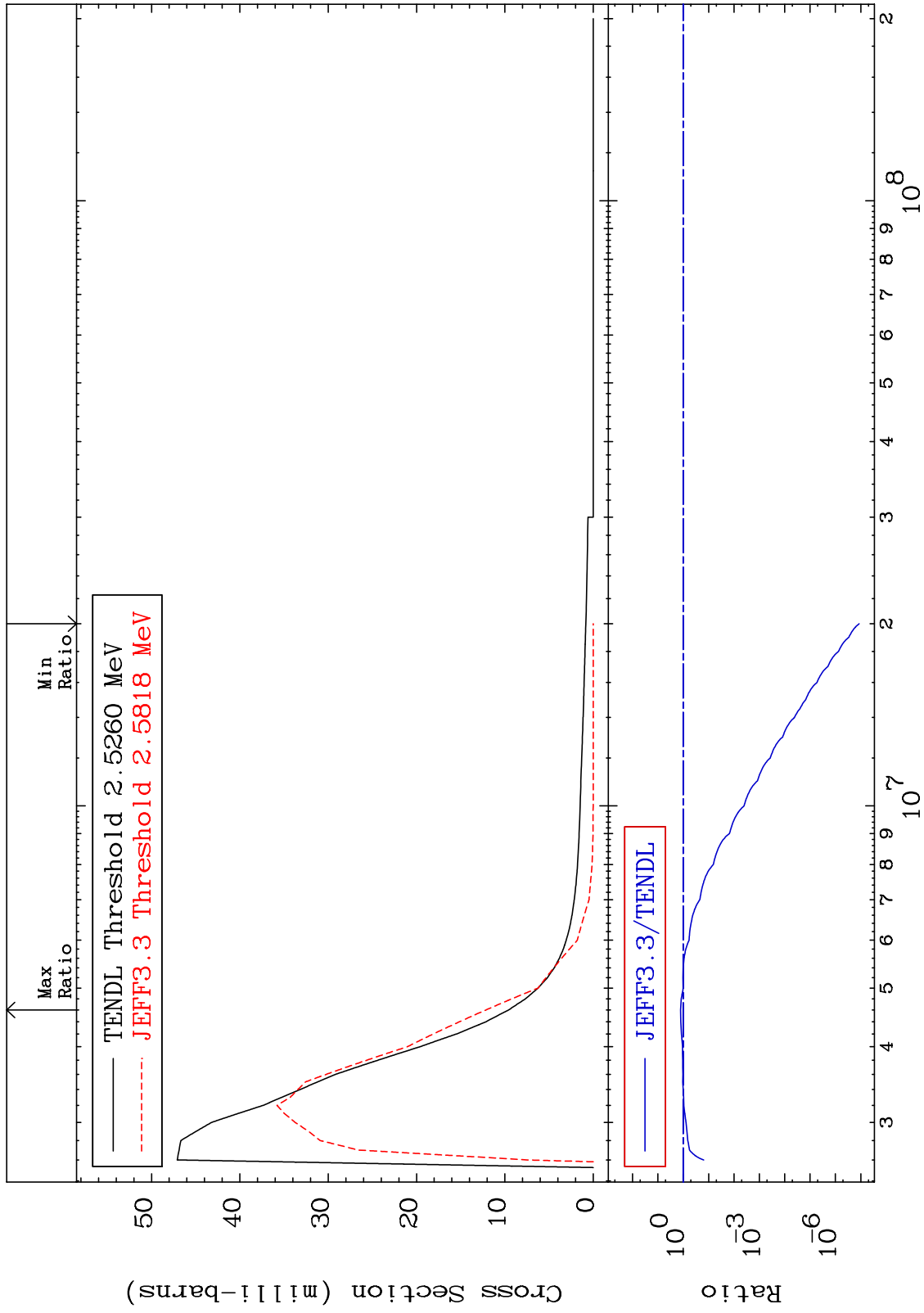


Incident Energy (eV) 60-Nd-144

MAT 6031

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

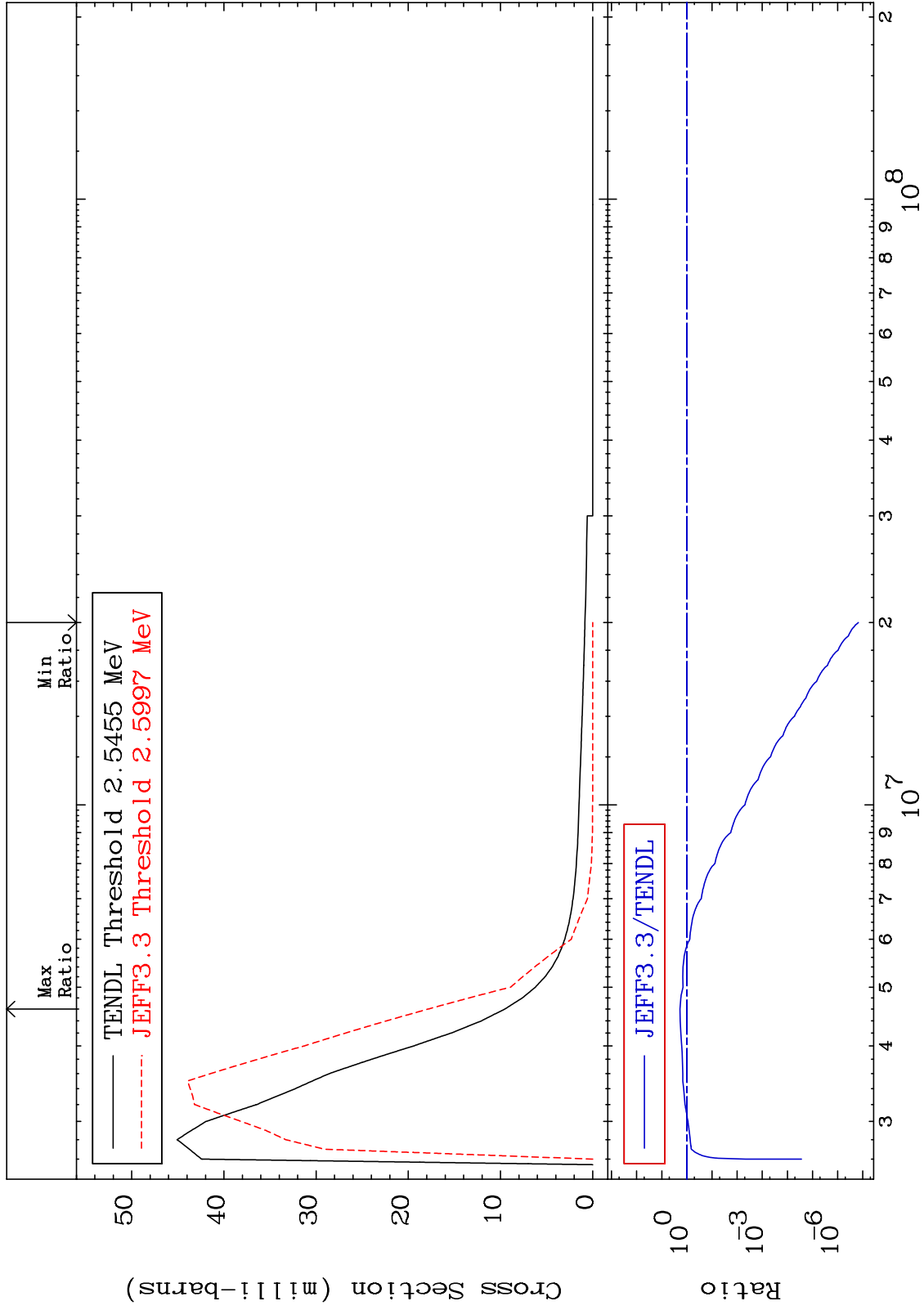
60-Nd-144
-100.0 To 27.00 %



MAT 6031

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

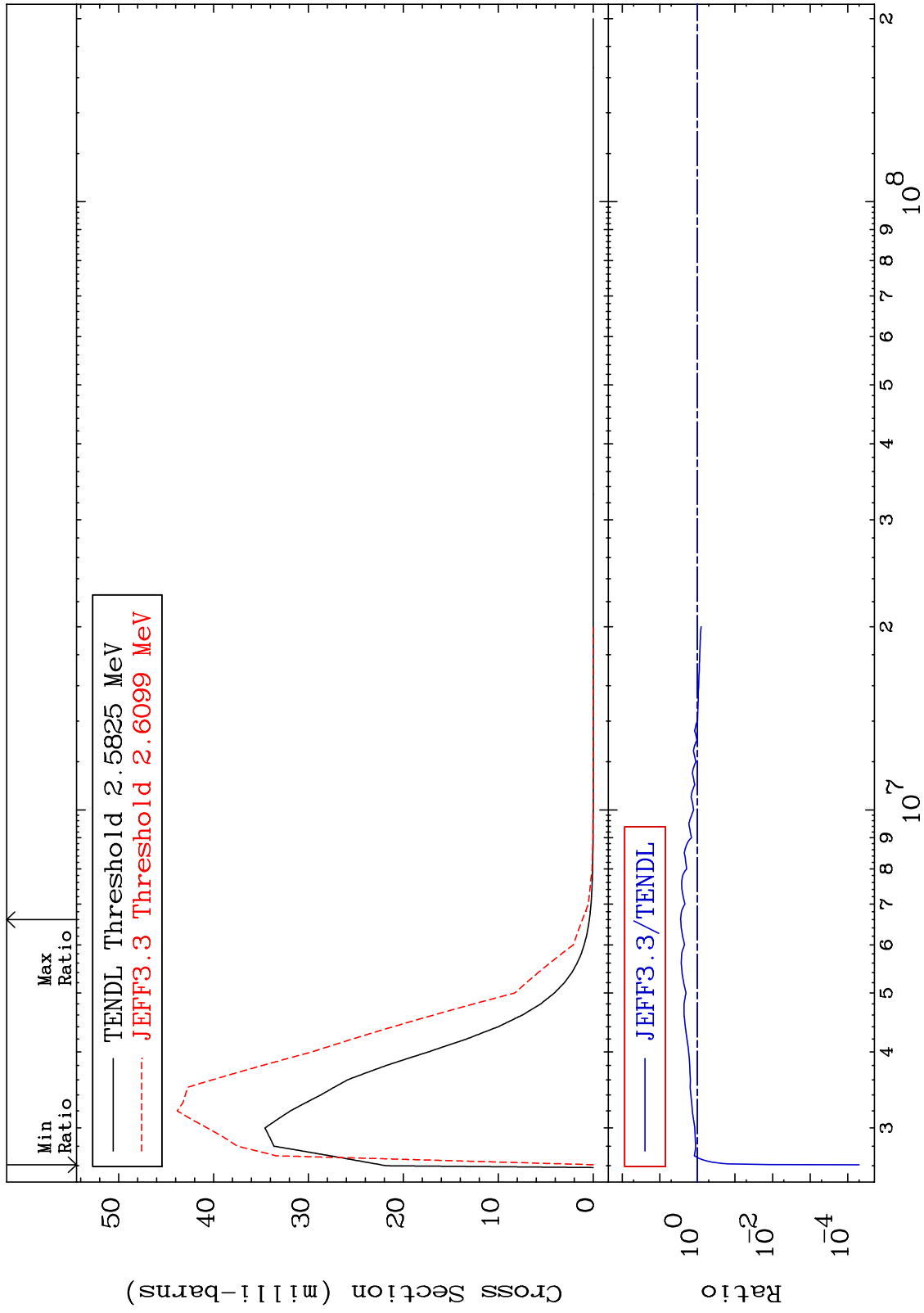
60-Nd-144
-100.0 To 87.47 %



MAT 6031

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

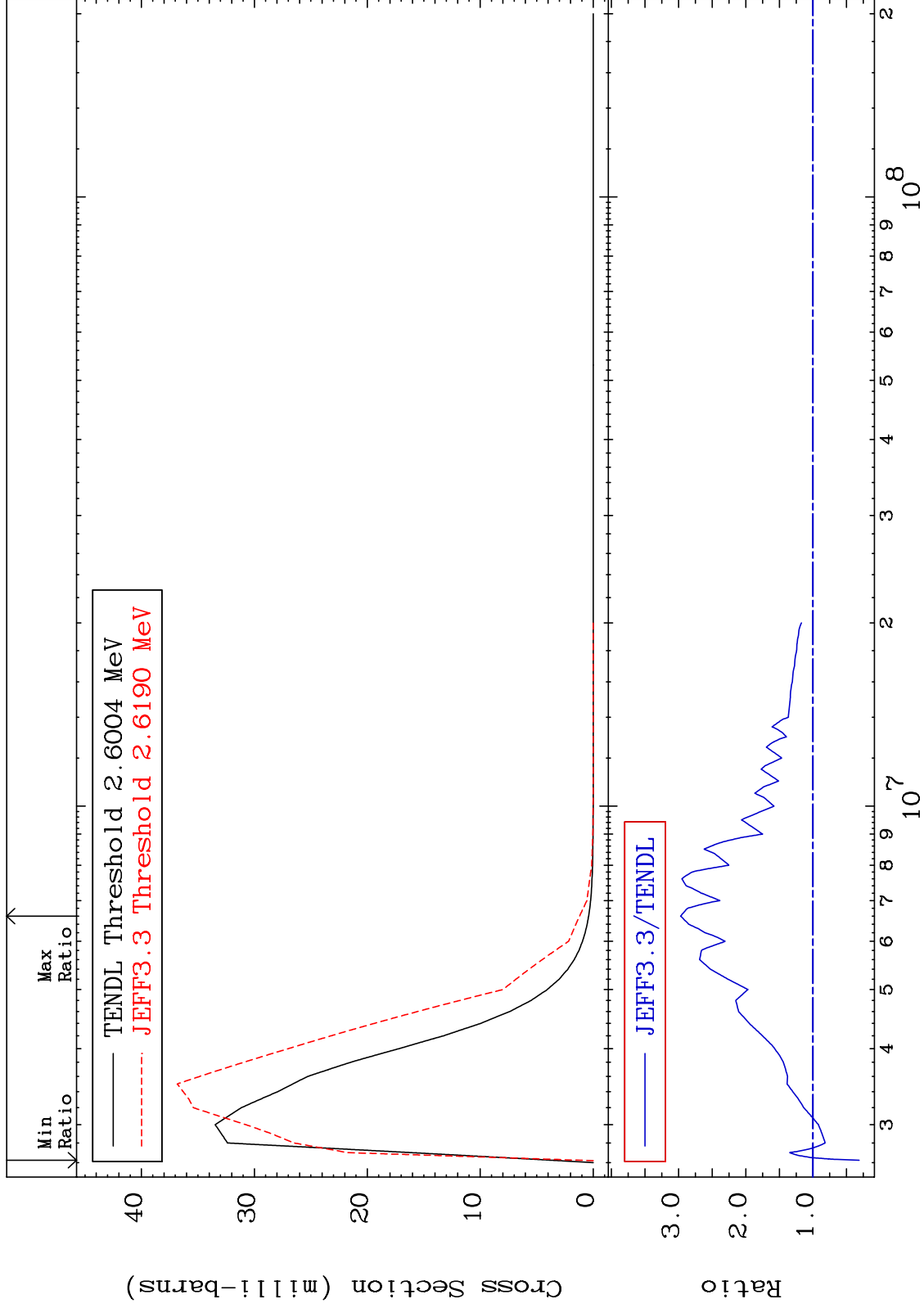
60-Nd-144
-100.0 To 180.2 %



MAT 6031

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

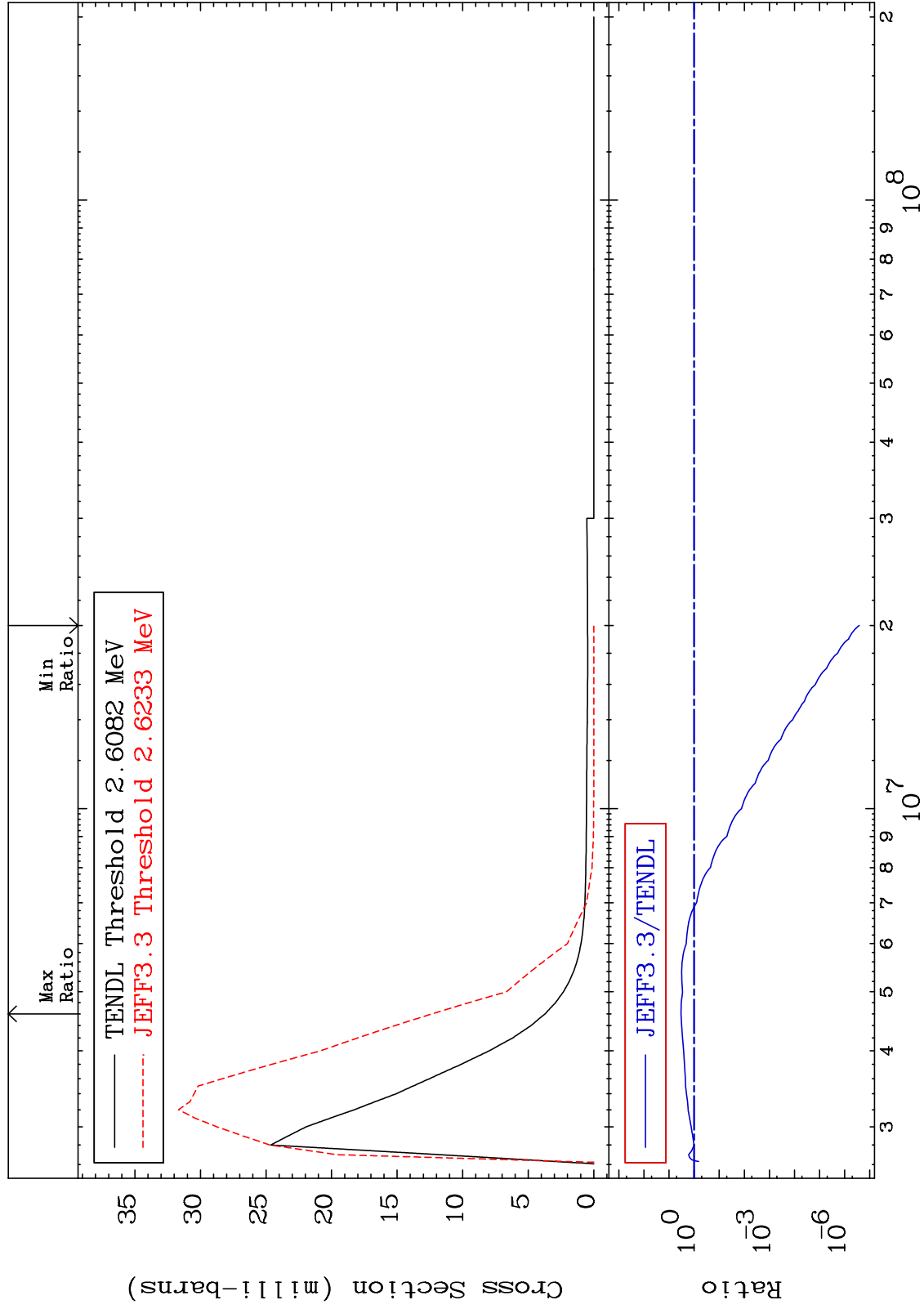
60-Nd-144
-68.80 To 197.0 %



MAT 6031

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

60-Nd-144
-100.0 To 231.9 %



37

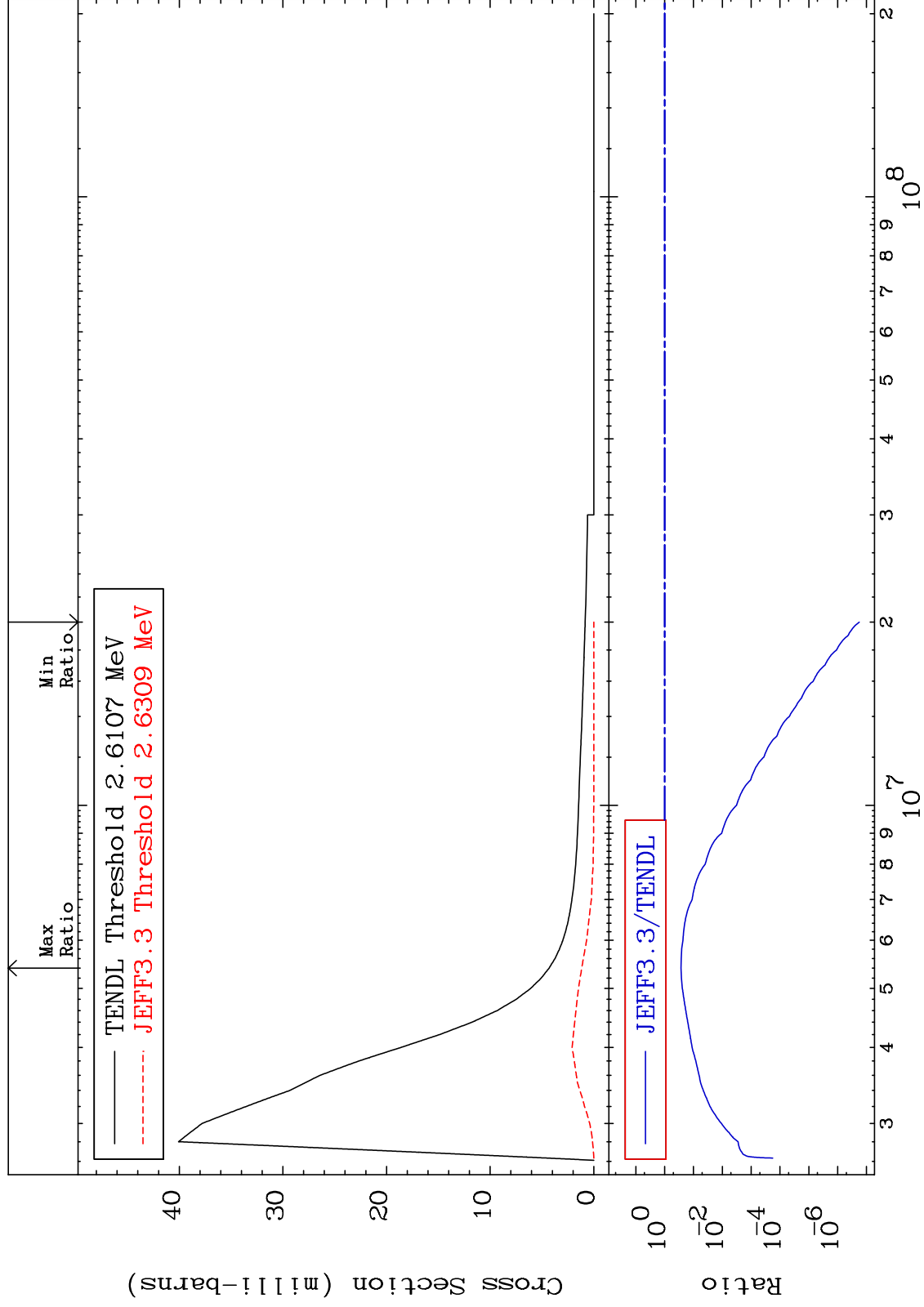
Incident Energy (eV)

60-Nd-144

MAT 6031

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

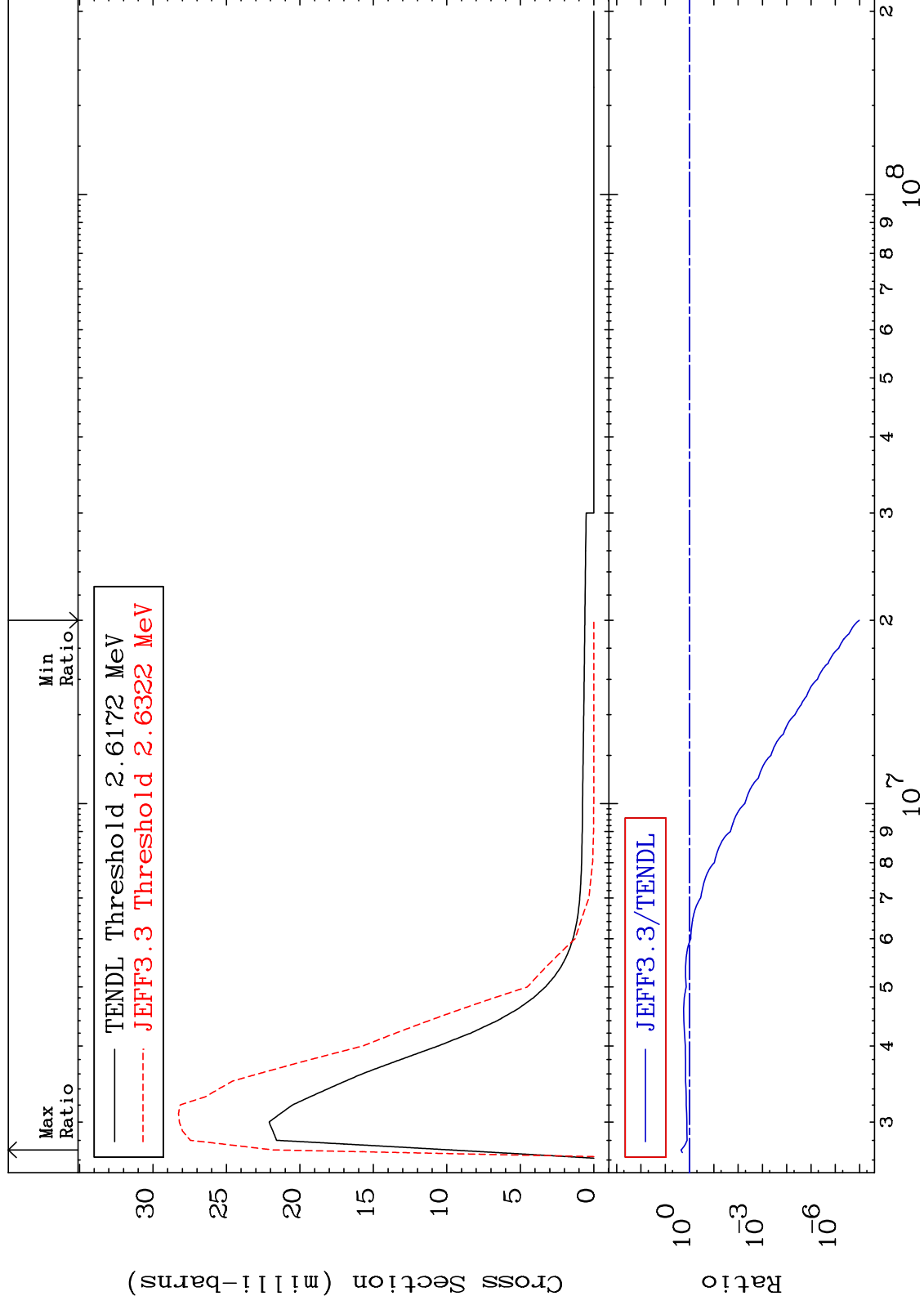
60-Nd-144
-100.0 To -73.06%



MAT 6031

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

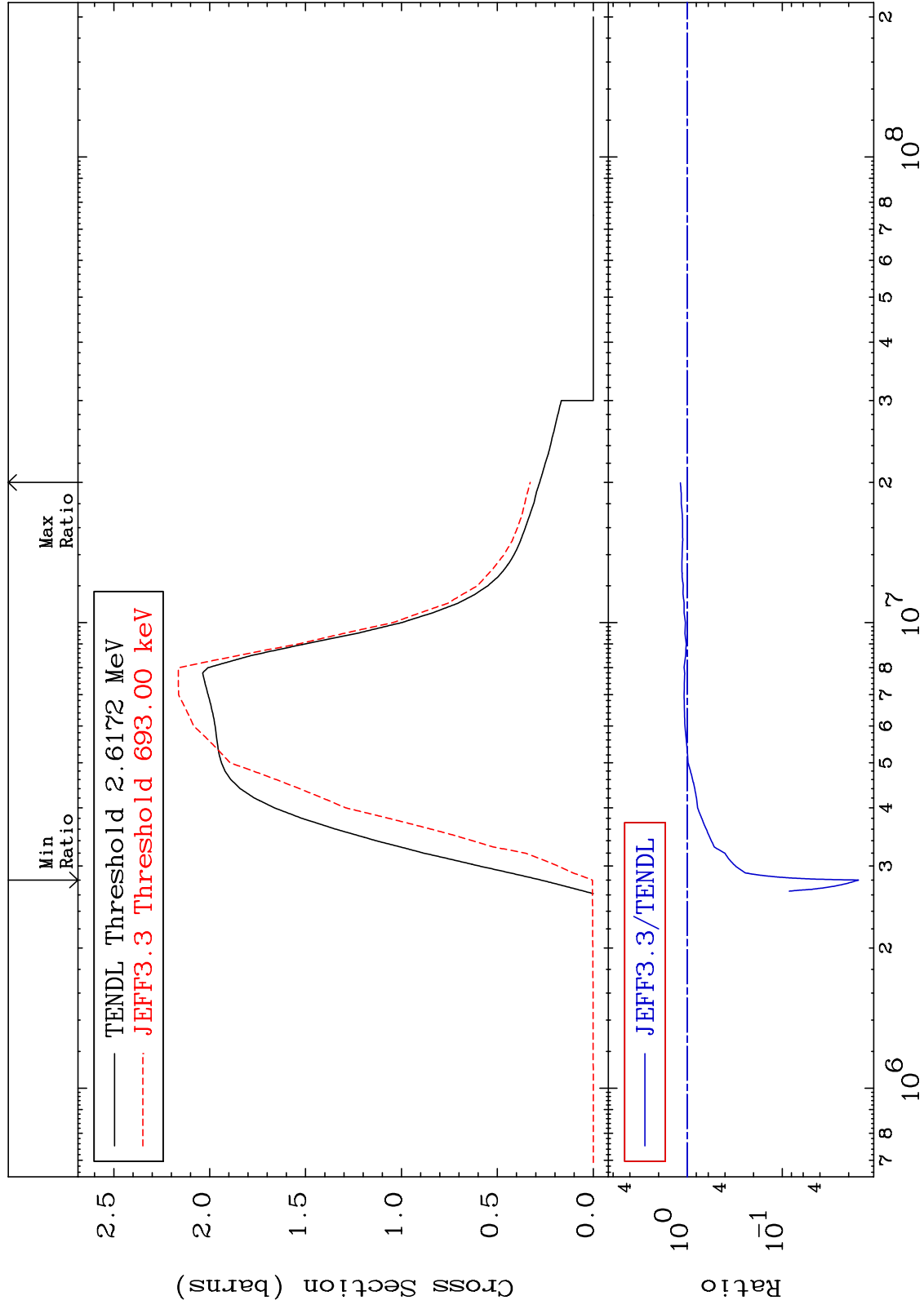
60-Nd-144
-100.0 To 123.4 %



MAT 6031

(n, n') Continuum
Cross Section

60-Nd-144
-98.43 To 17.58 %



40

Incident Energy (eV)

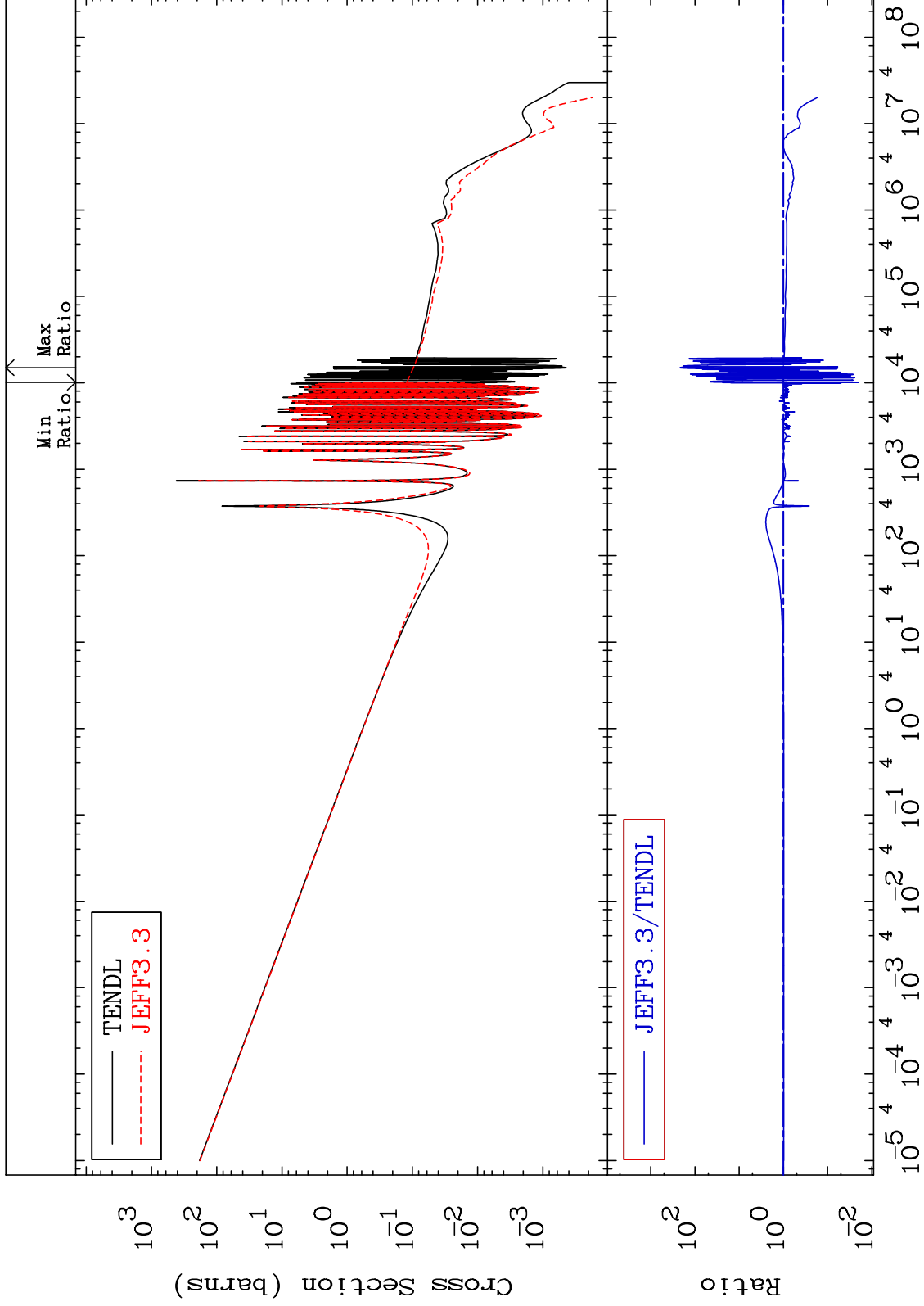
60-Nd-144

MAT 6031

(n, γ)

60-Nd-144
-97.98 To 9999. %

Cross Section



41

Incident Energy (eV)

60-Nd-144

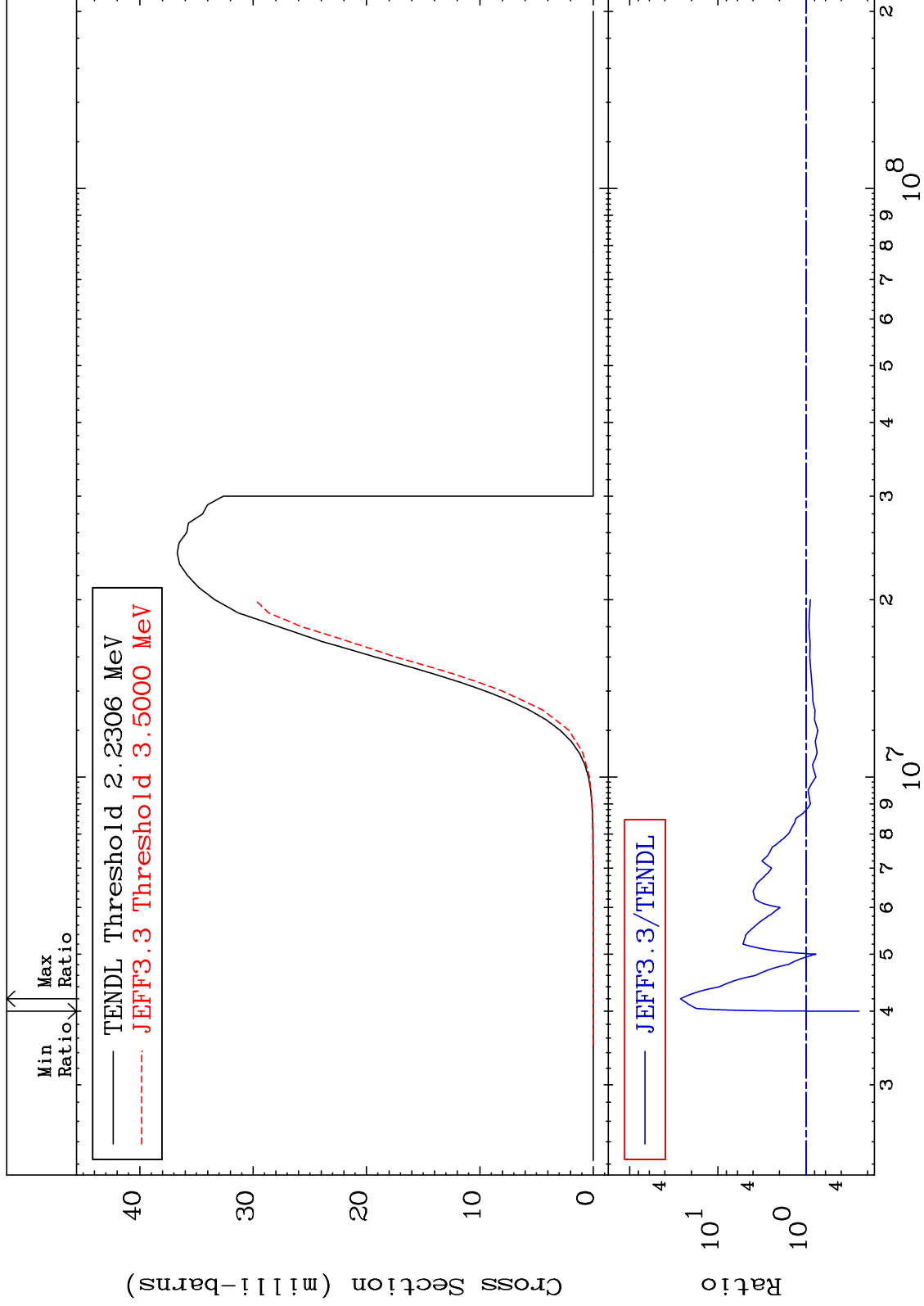
MAT 6031

(n, p)

60-Nd-144

Cross Section

-75.04 To 2550. %



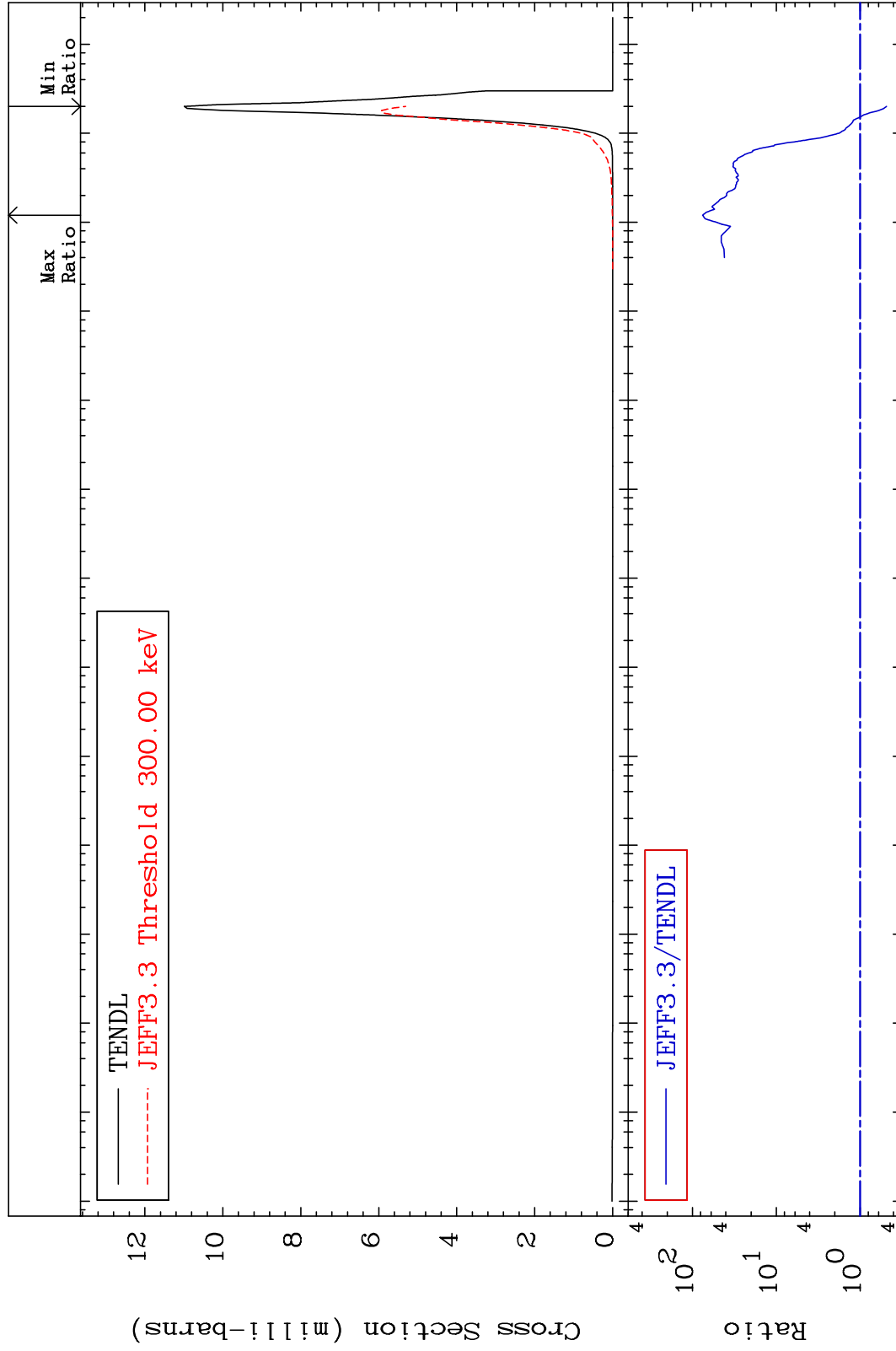
MAT 6031

(n, α)

60-Nd-144

Cross Section

-51.68 To 7466. %



Incident Energy (eV)

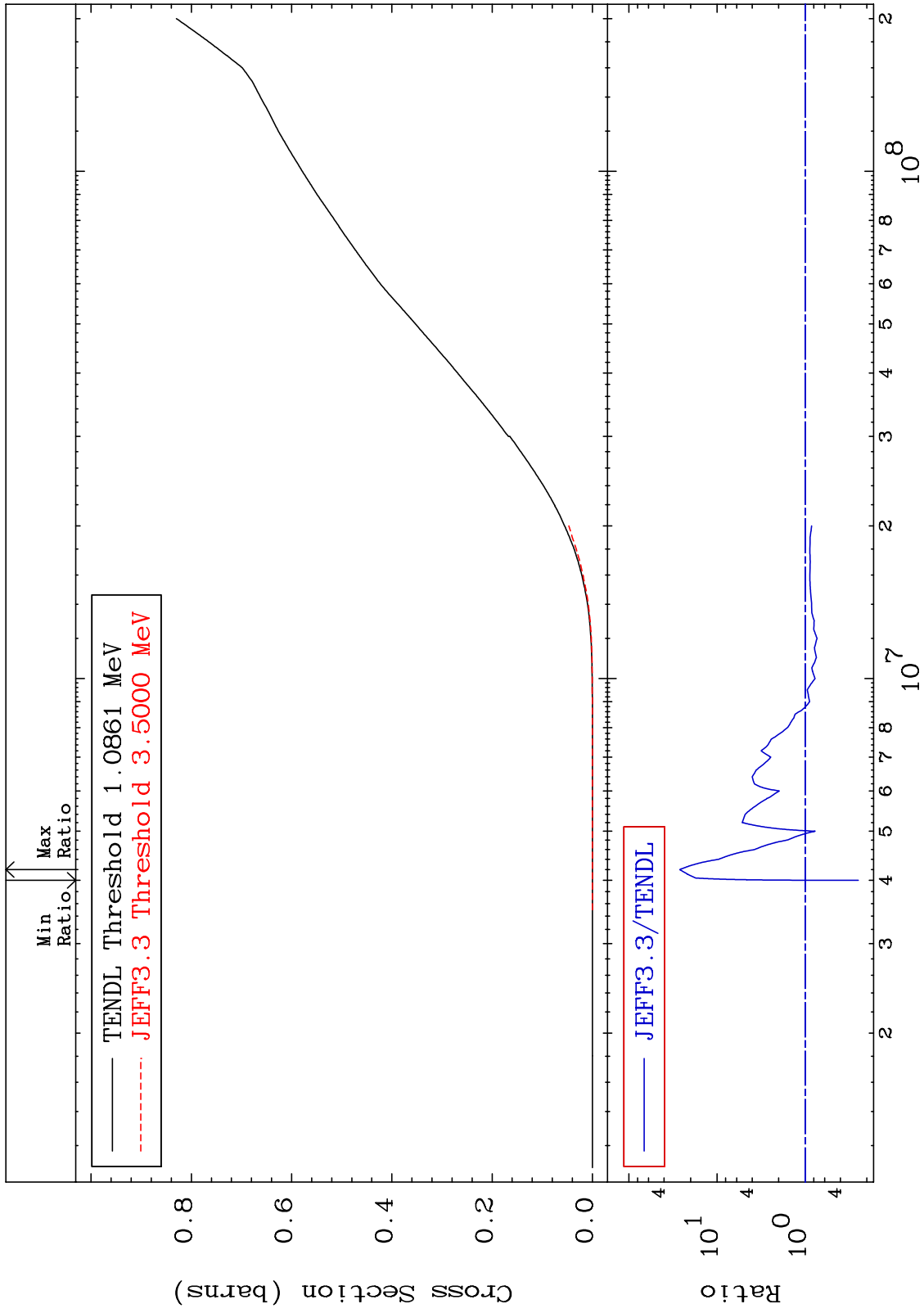
43

60-Nd-144

MAT 6031

Hydrogen Production
Cross Section

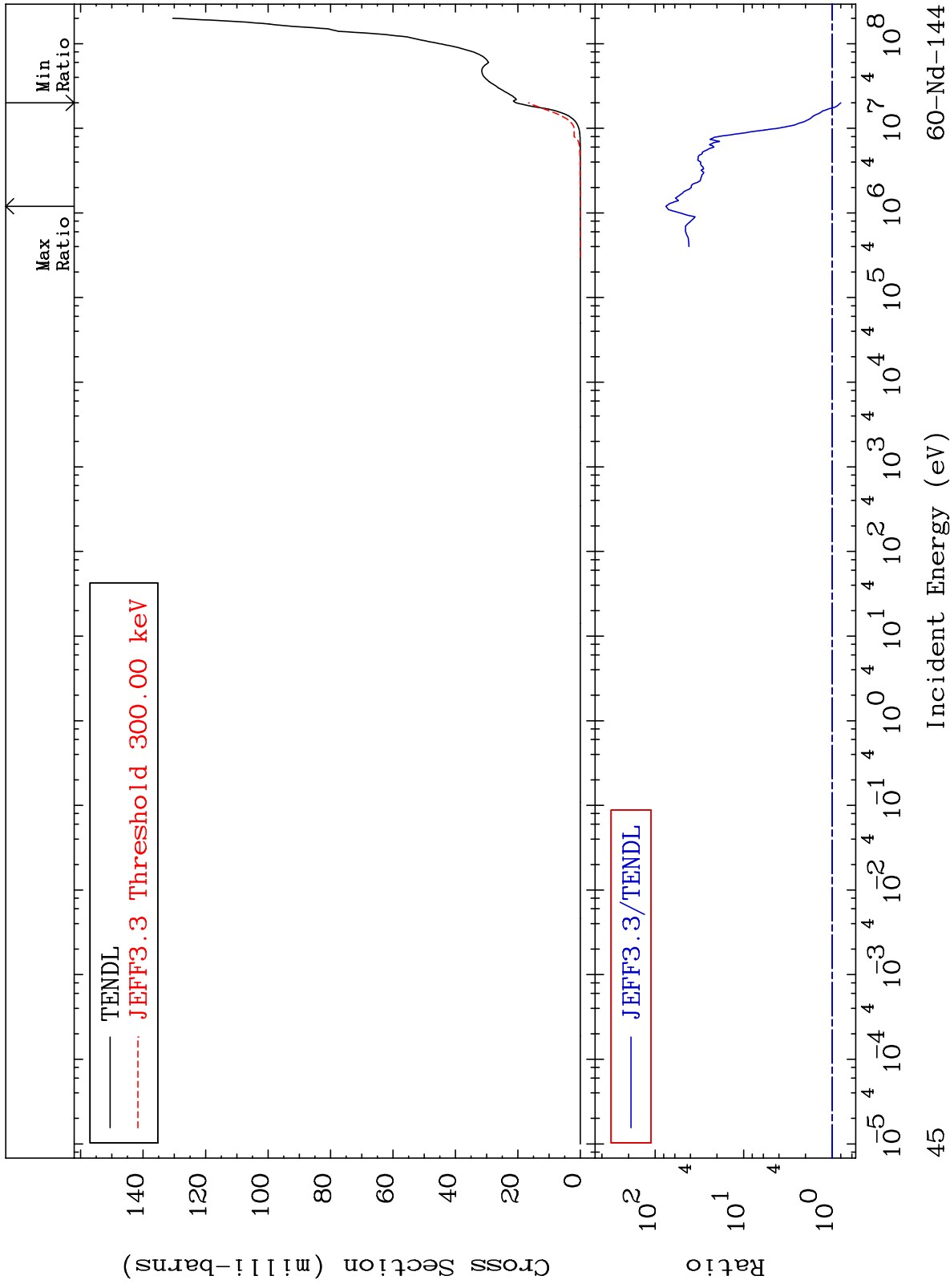
60-Nd-144
-75.04 To 2550. %



MAT 6031

He-4 Production
Cross Section

60-Nd-144
-20.05 To 7466. %



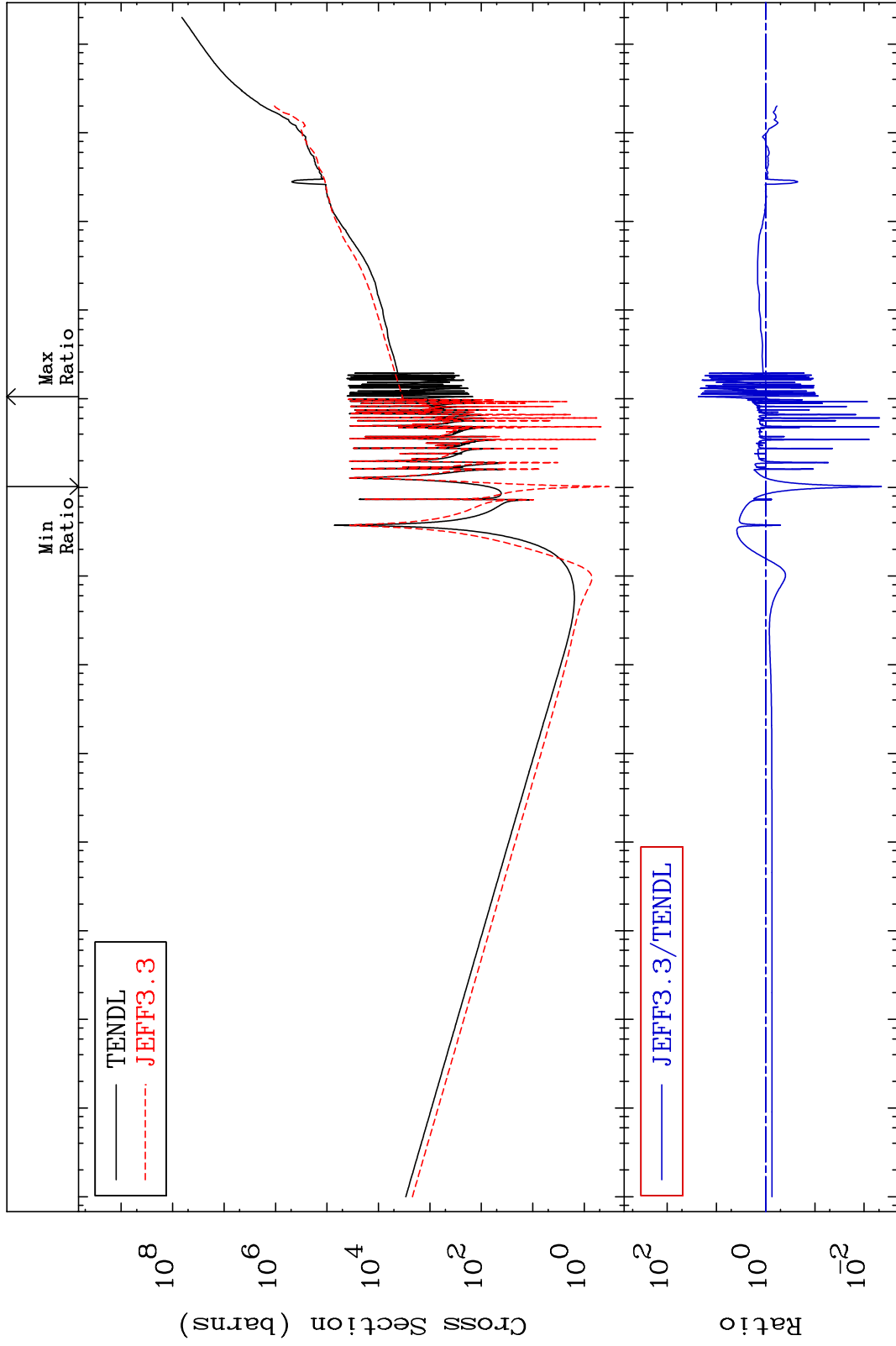
MAT 6031

Kerma total (eV-barns)

60-Nd-144

-99.56 To 2220. %

Cross Section

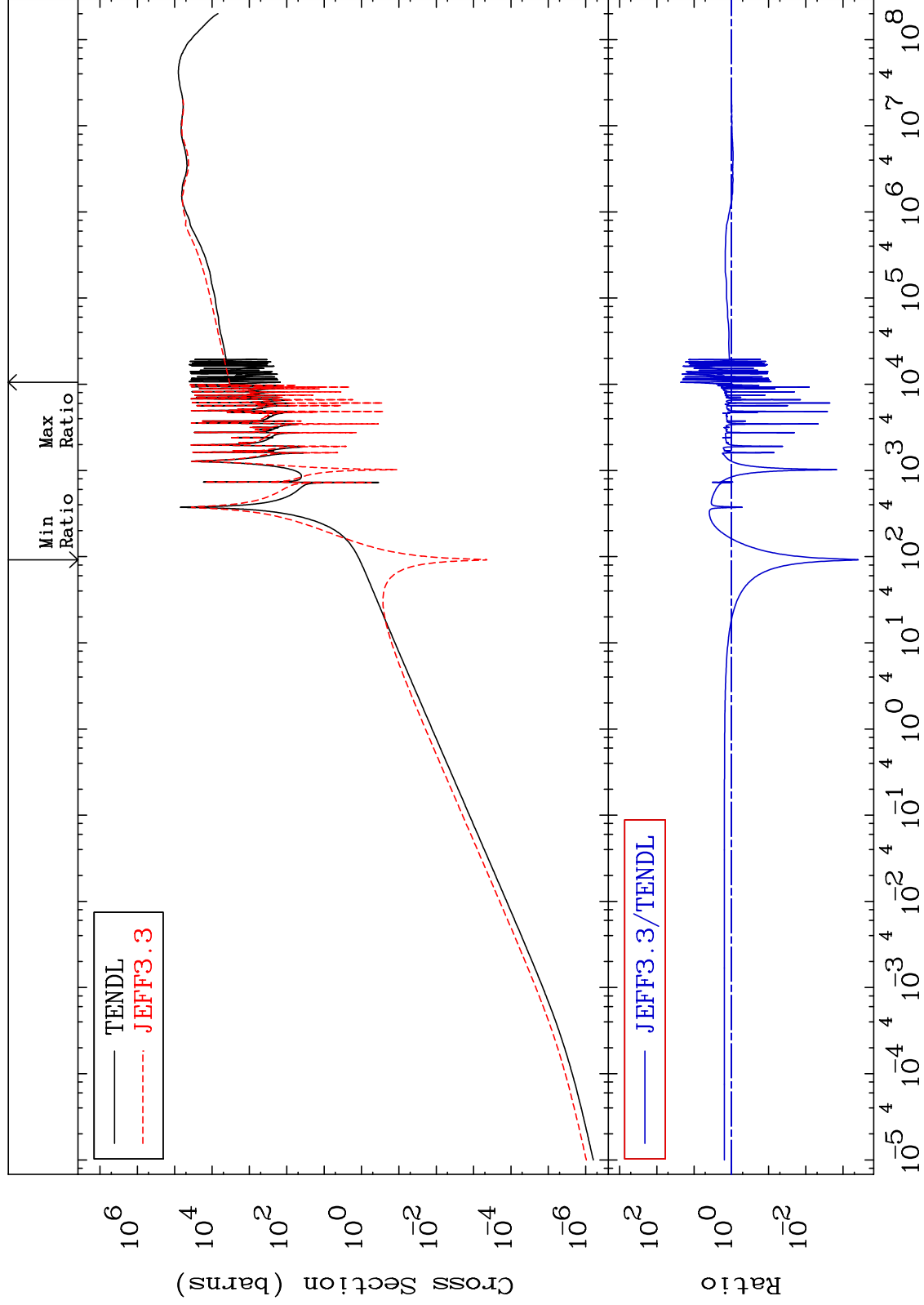


Incident Energy (eV) 60-Nd-144

MAT 6031

Kerma elastic
Cross Section

60-Nd-144
-99.96 To 2222. %



47

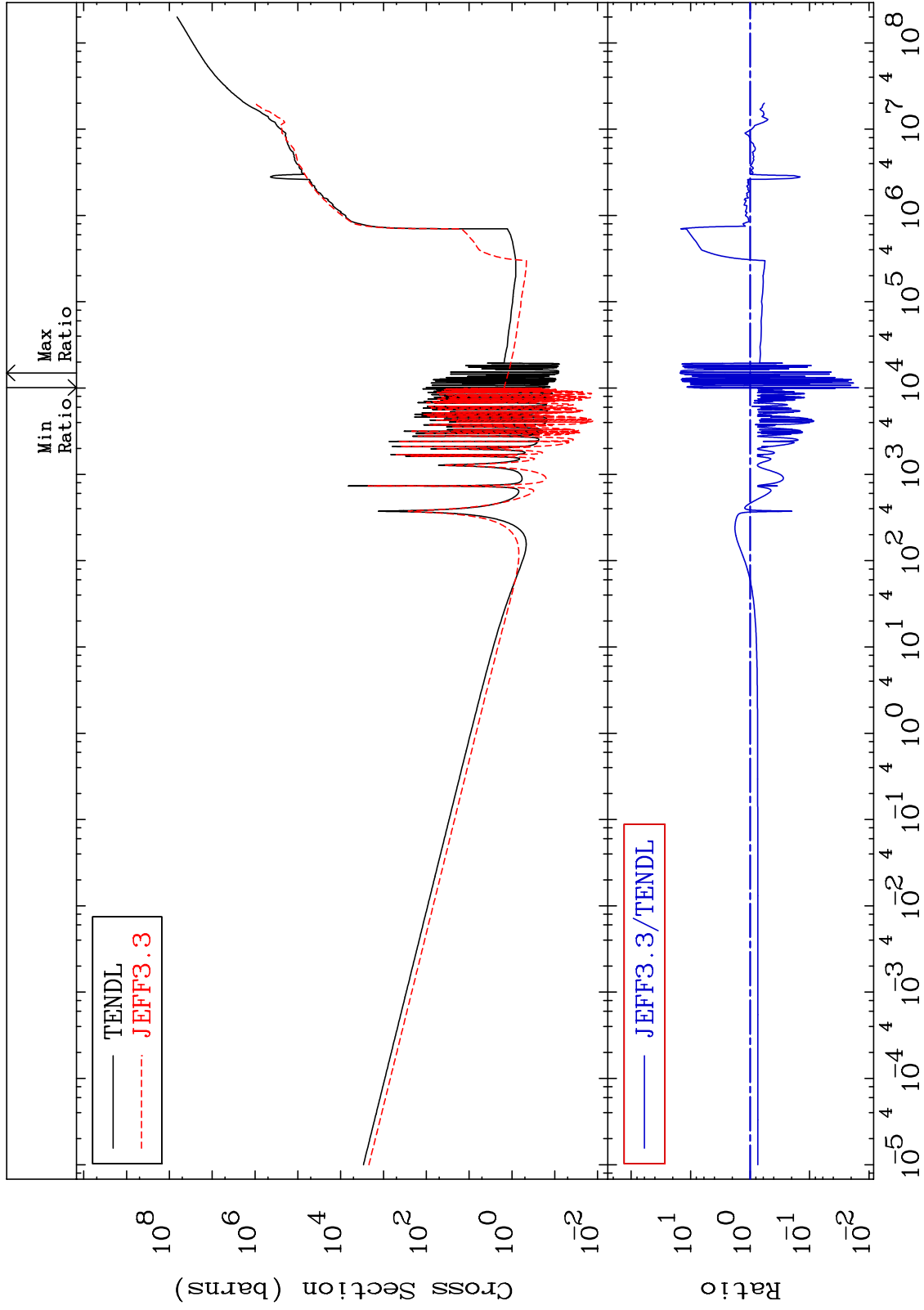
Incident Energy (eV)

60-Nd-144

MAT 6031

Kerma non-elastic (all but mt2)
Cross Section

60-Nd-144
-98.49 To 1409. %



48

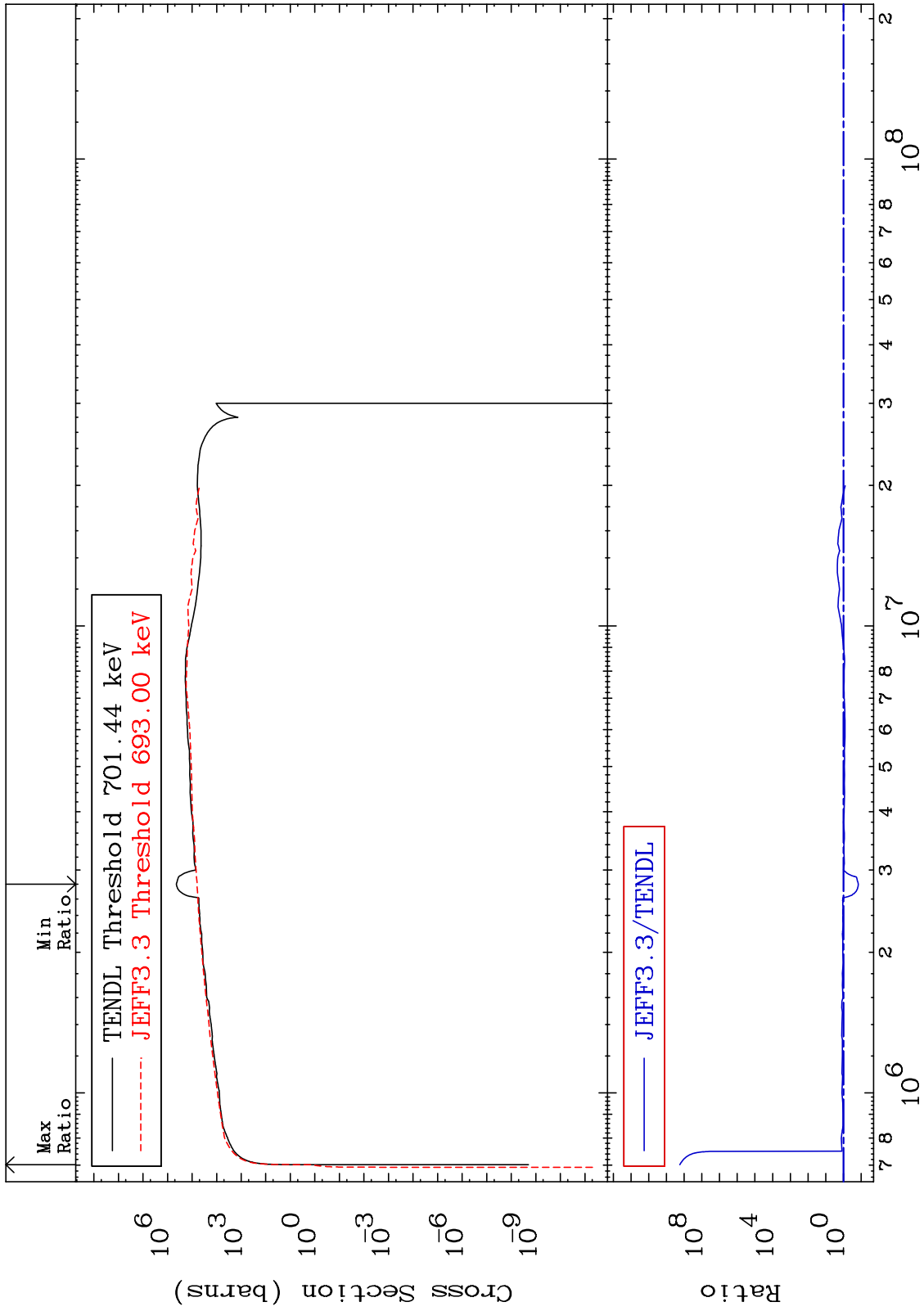
Incident Energy (eV)

60-Nd-144

MAT 6031

Kerma inelastic (mt51-91)
Cross Section

60-Nd-144
-85.70 To 9999. %



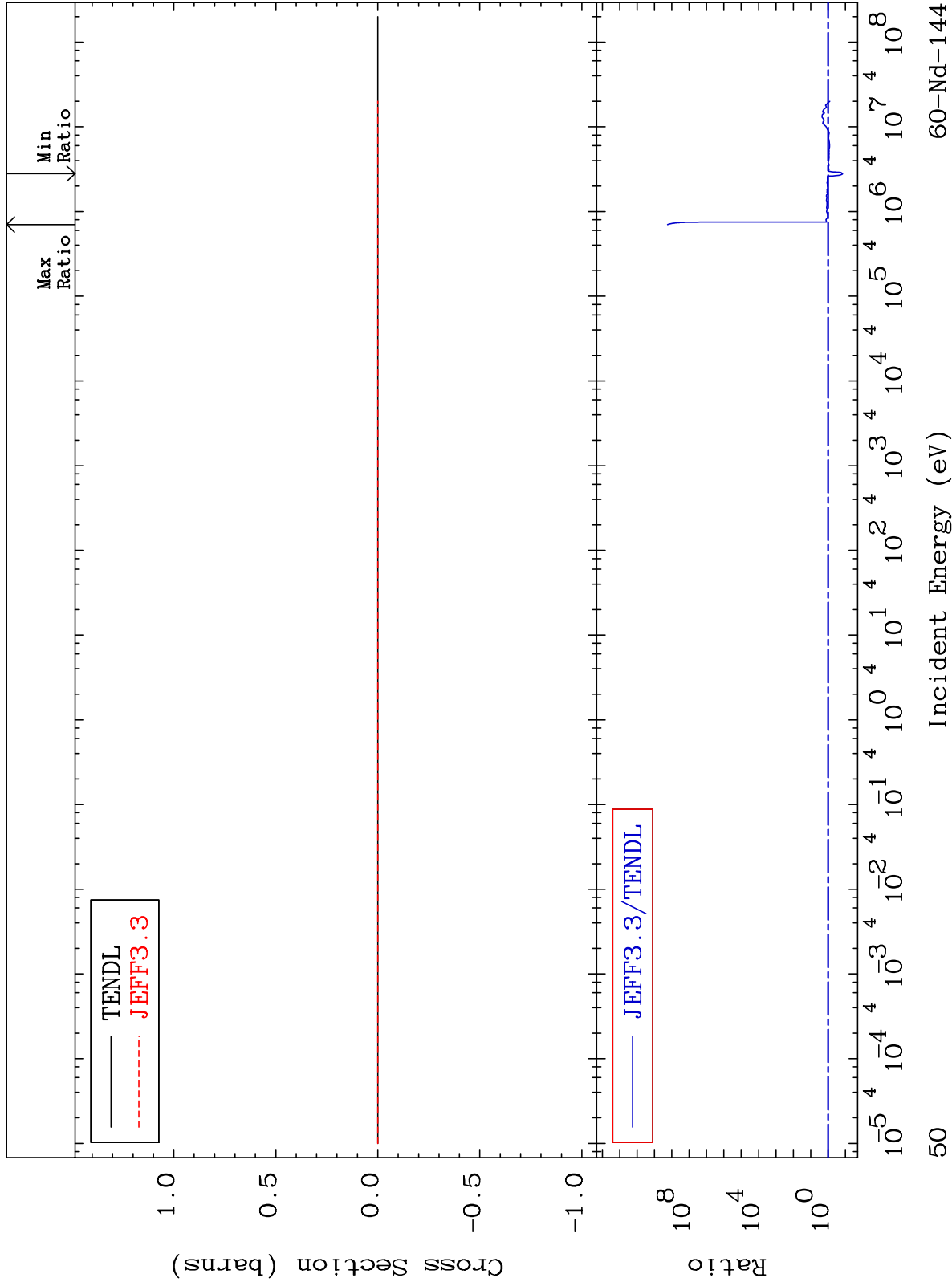
Incident Energy (eV)

60-Nd-144

MAT 6031

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

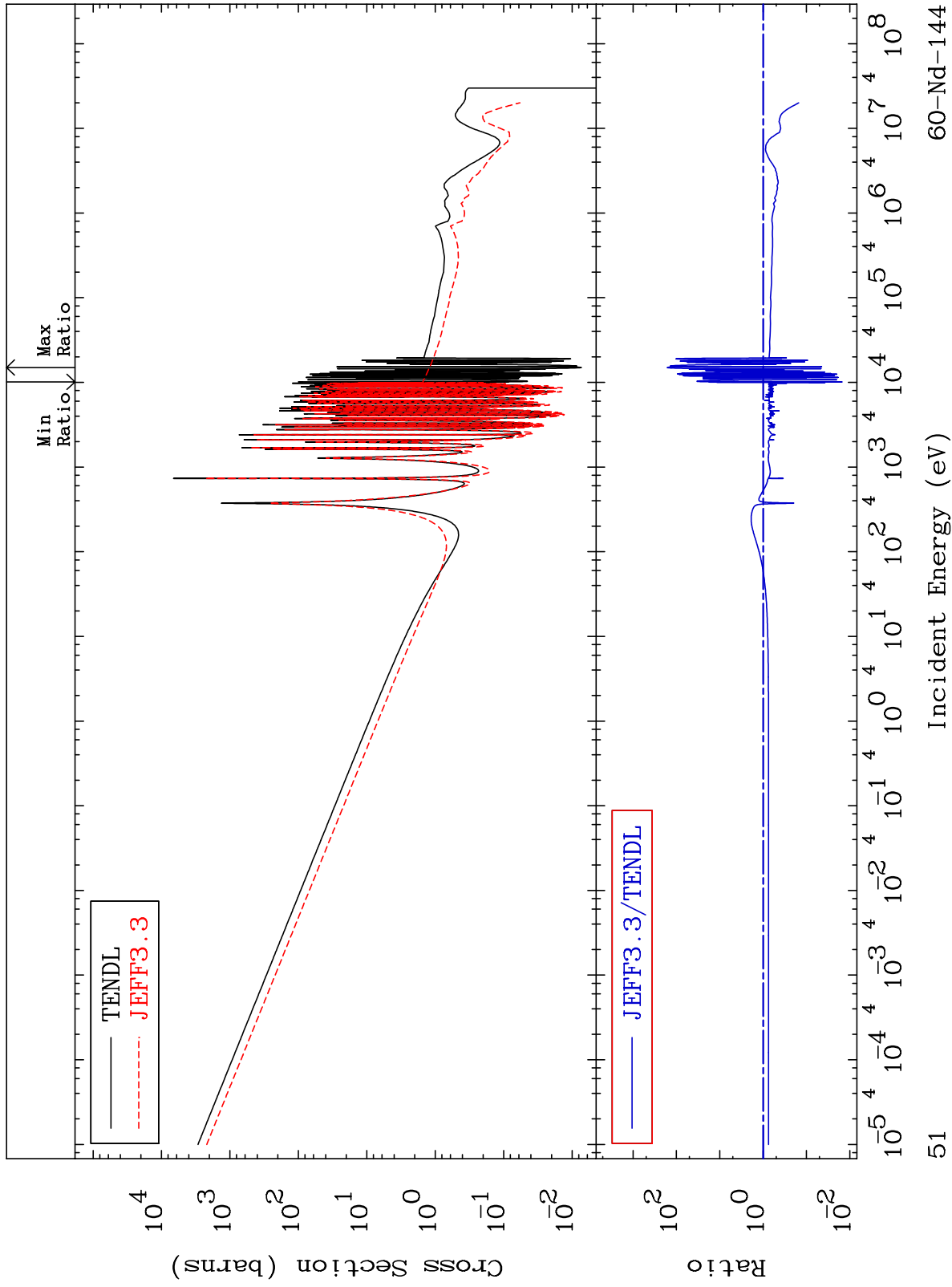
60-Nd-144
-85.70 To 9999. %



MAT 6031

Kerma capture (mt102)
Cross Section

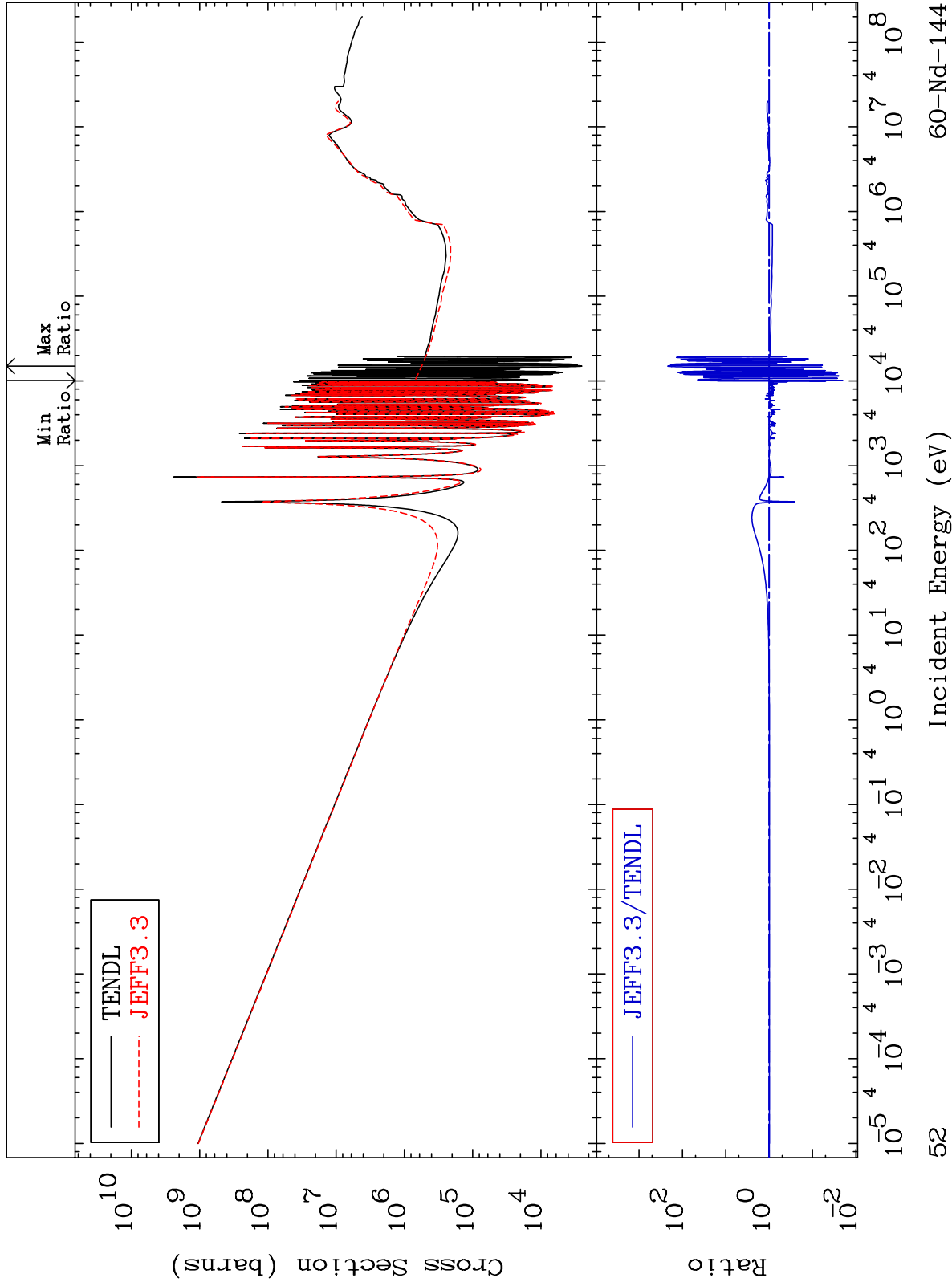
60-Nd-144
-98.49 To 9999. %



MAT 6031

Total photon (eV-barns)
Cross Section

60-Nd-144
-97.98 To 9999. %



52

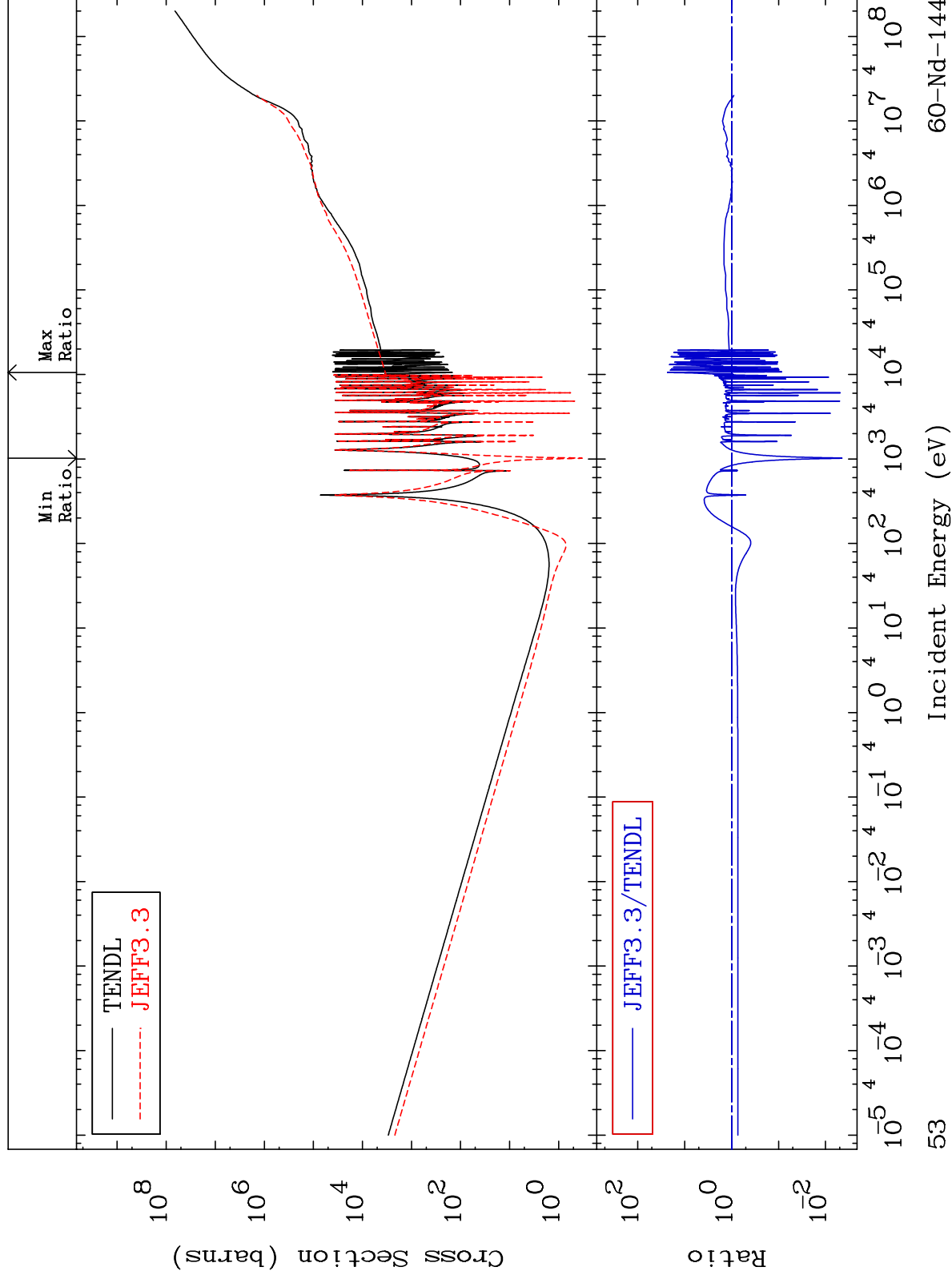
Incident Energy (eV)

60-Nd-144

MAT 6031

Total kinematic kerma (high limit)
Cross Section

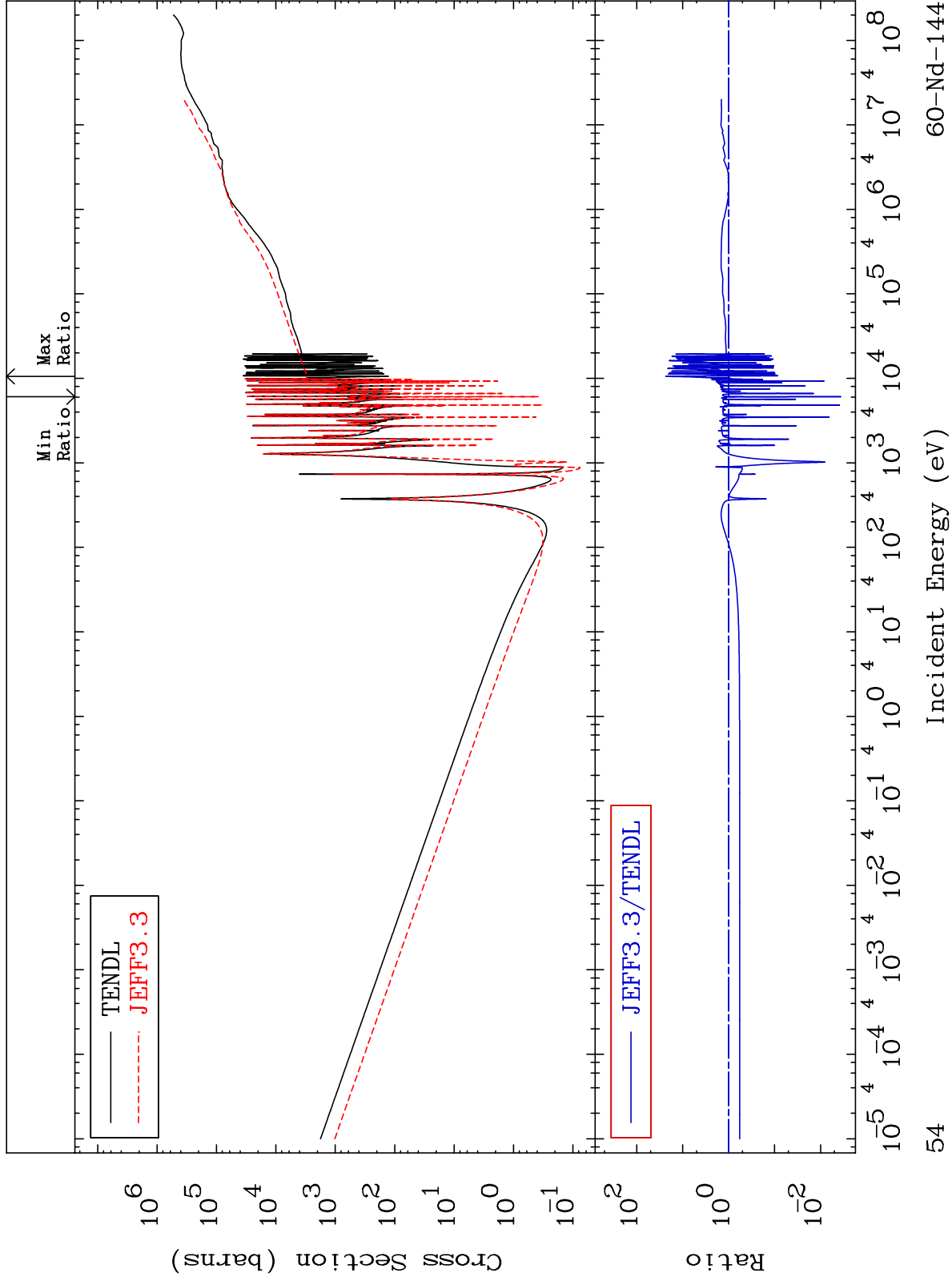
60-Nd-144
-99.56 To 2220. %



MAT 6031

Dpa total (eV-barns)
Cross Section

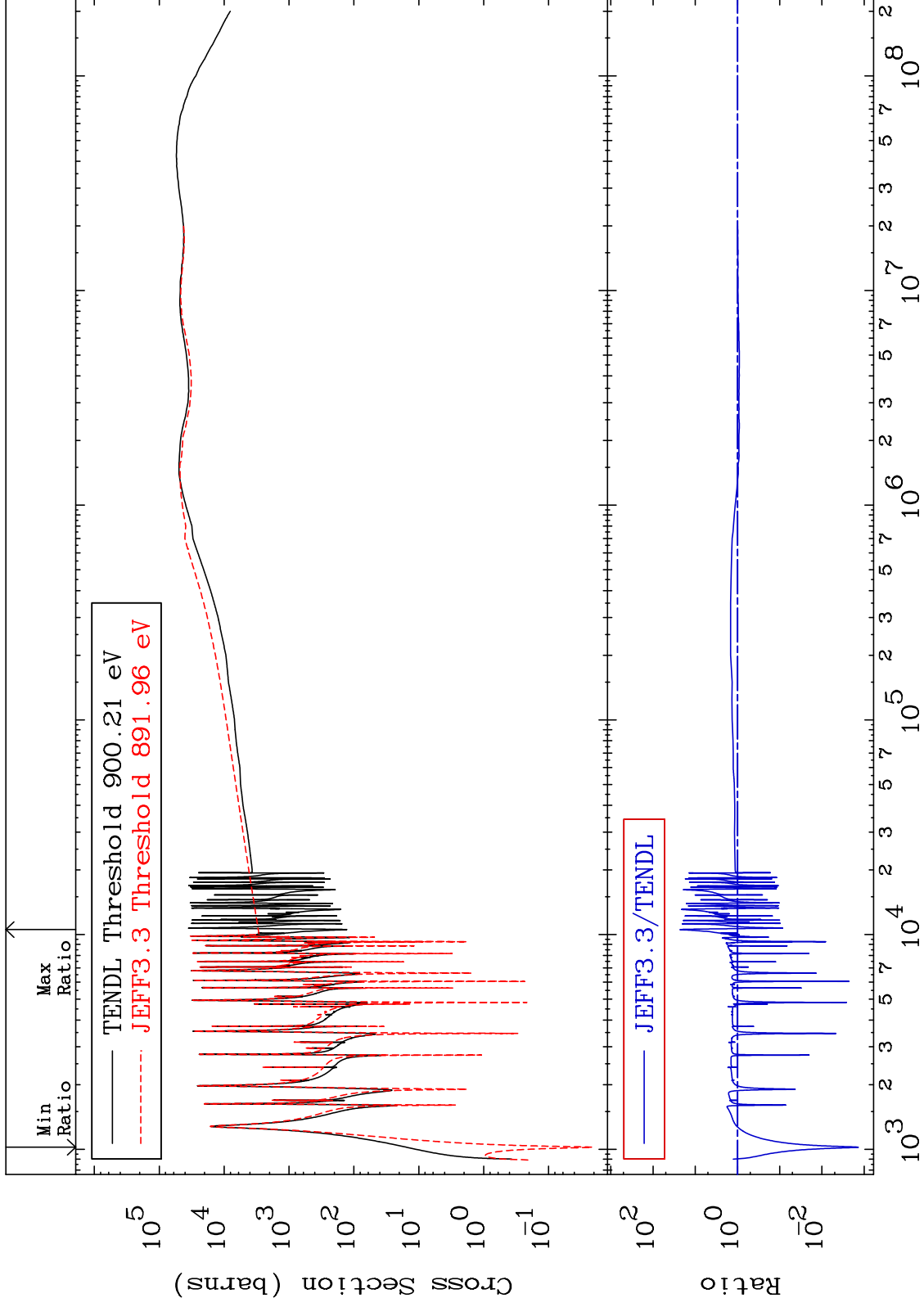
60-Nd-144
-99.63 To 2220. %



MAT 6031

Dpa elastic (mt2)
Cross Section

60-Nd-144
-99.86 To 2220. %



55

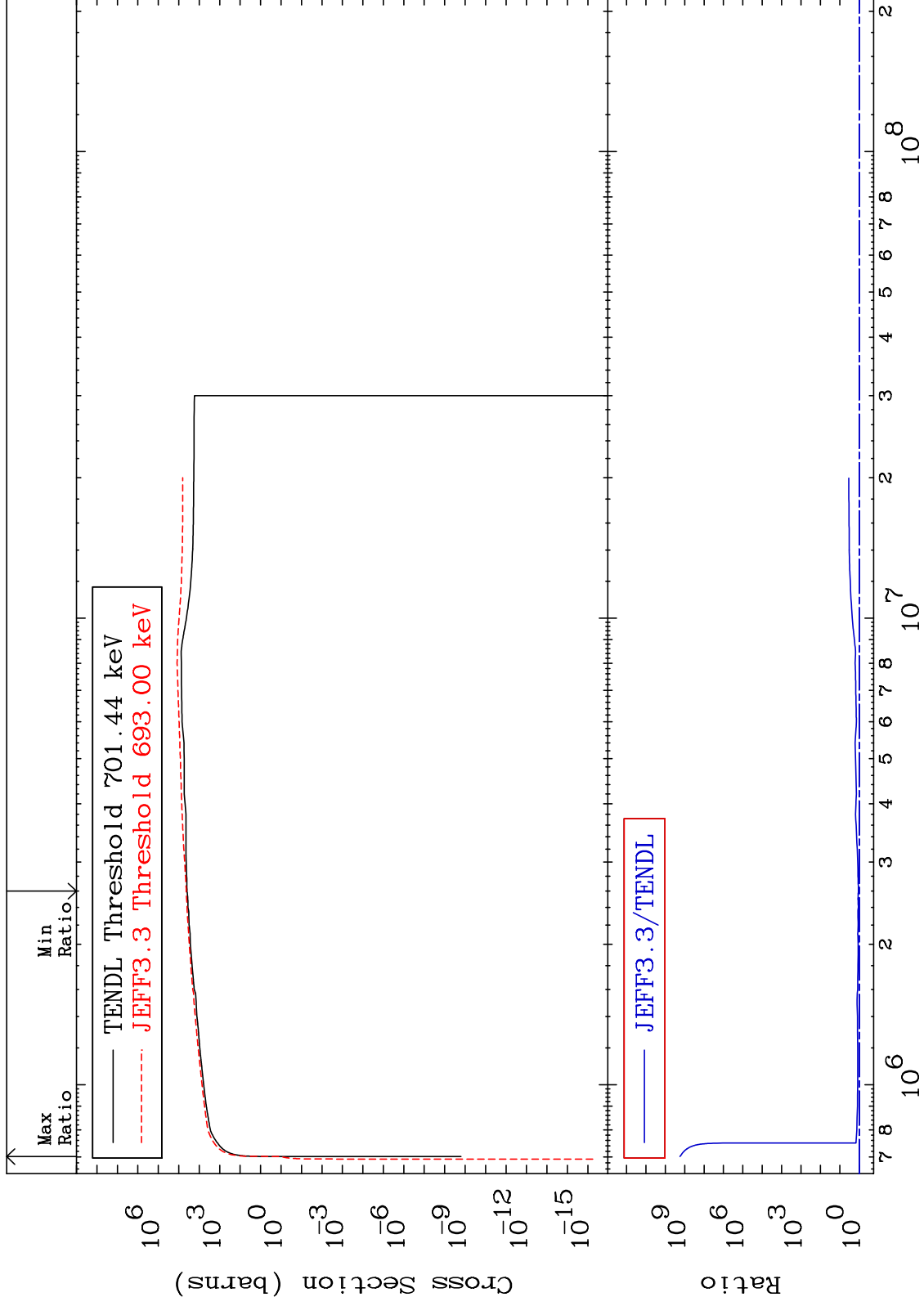
60-Nd-144

60-Nd-144

MAT 6031

Dpa inelastic (mt51-91)
Cross Section

60-Nd-144
9.495 To 9999. %



56

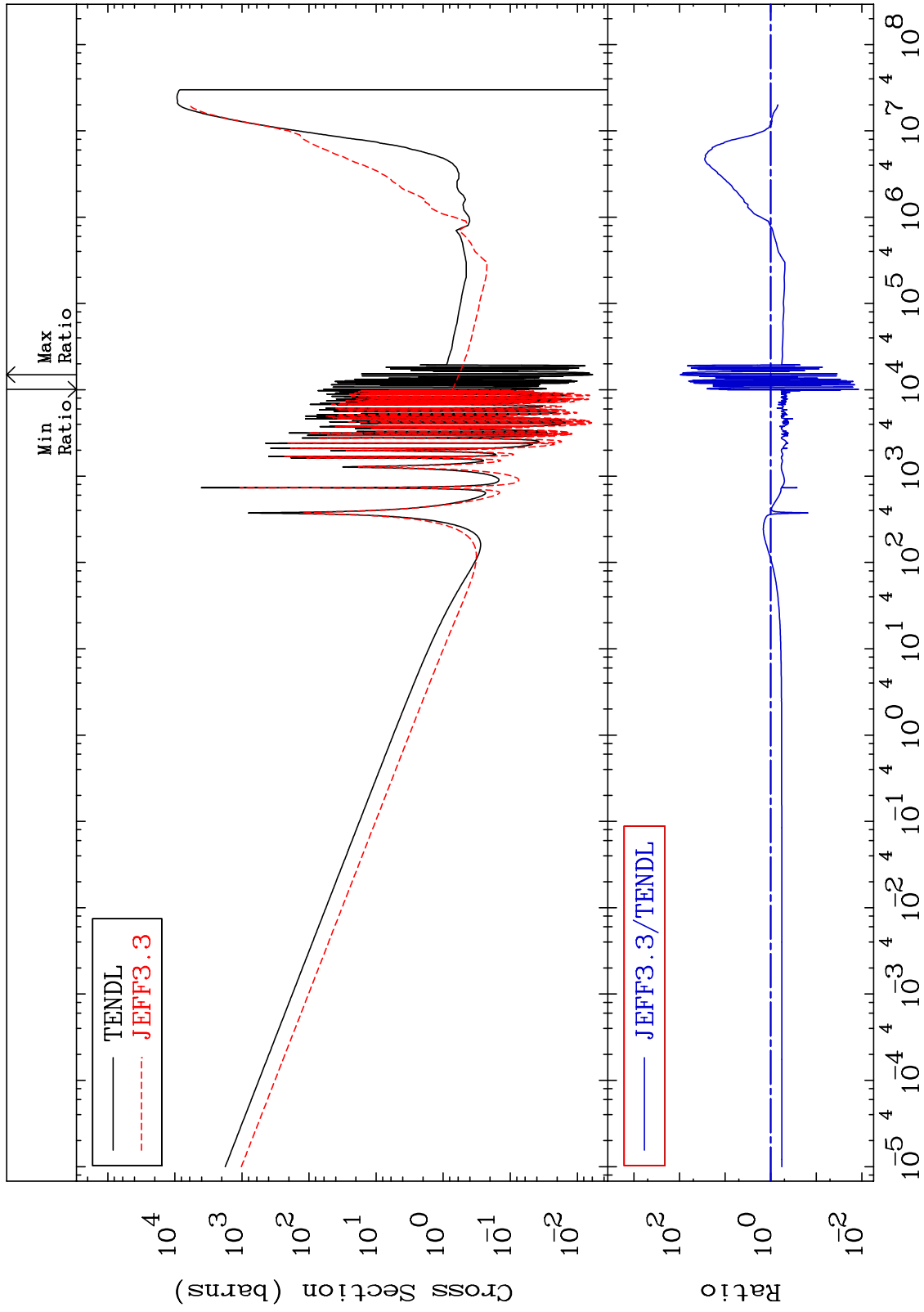
Incident Energy (eV)

60-Nd-144

MAT 6031

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-144
-98.80 To 9678. %



57

Incident Energy (eV)

60-Nd-144