

Program Complot
(Version 2021-1)

by

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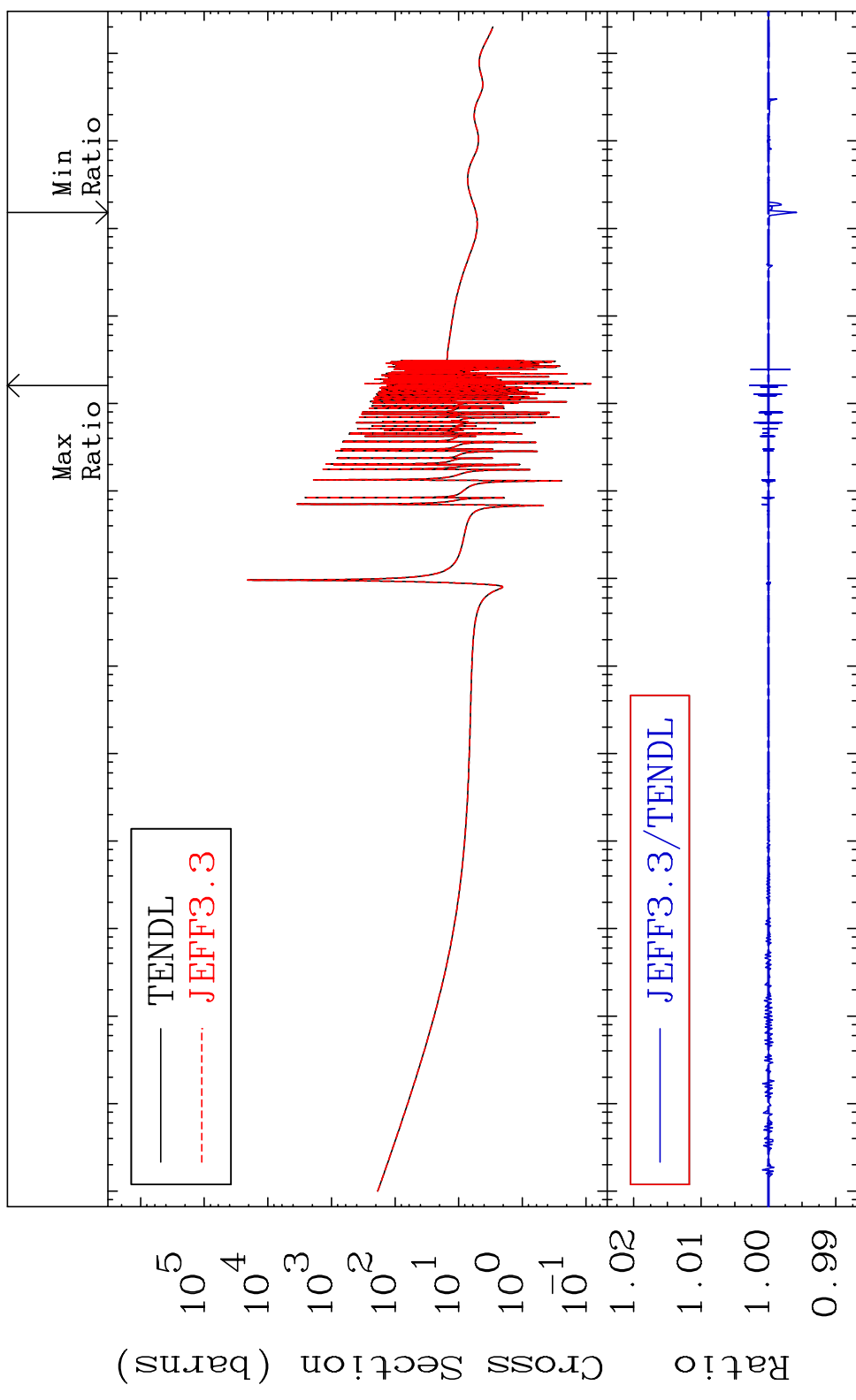
Press Mouse Button to Start

MAT 7849

Total

78-Pt-198

Cross Section -0.418 To 0.280 %



1

Incident Energy (eV)

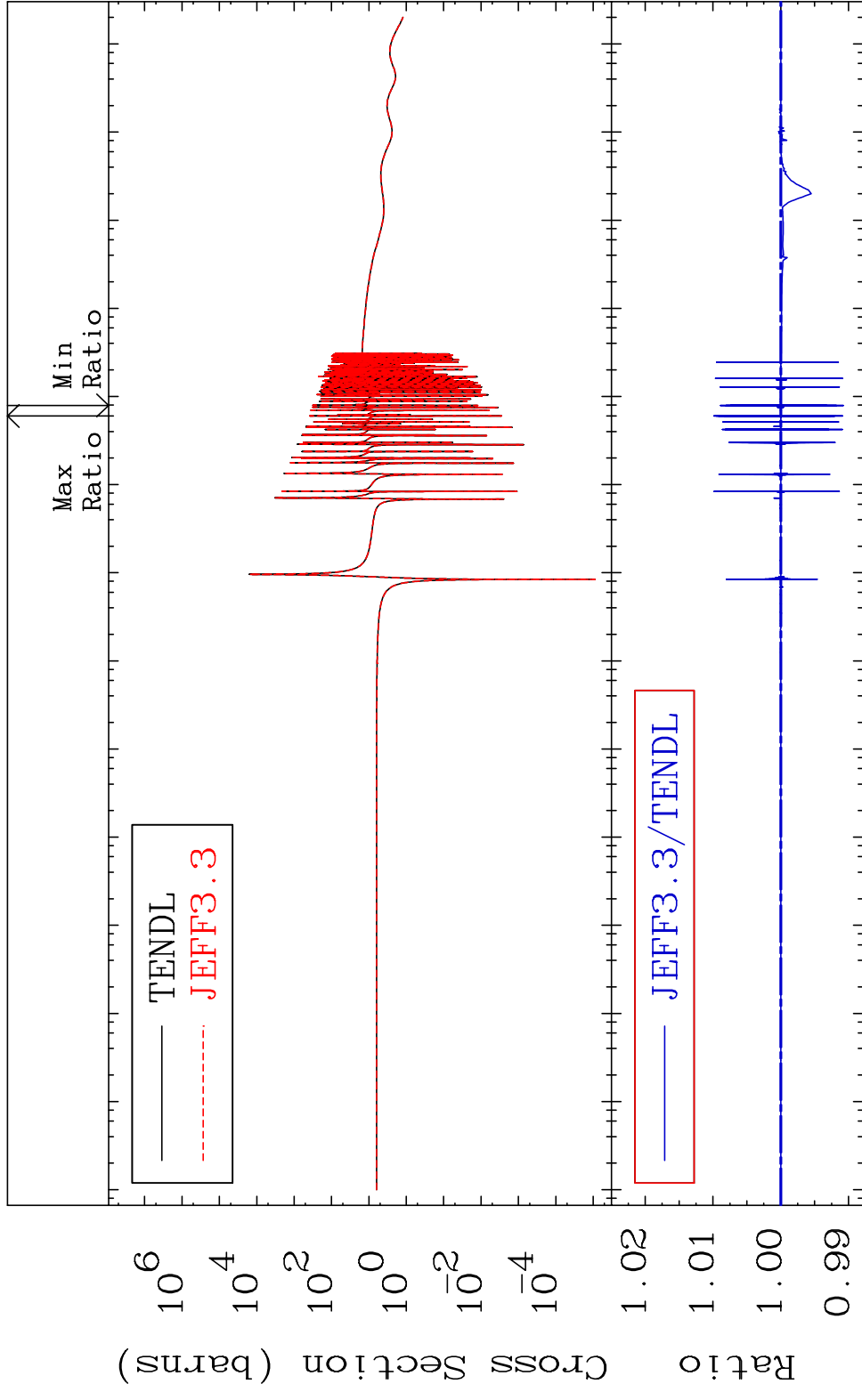
78-Pt-198

MAT 7849

Elastic

78-Pt-198

Cross Section -0.922 To 0.988 %

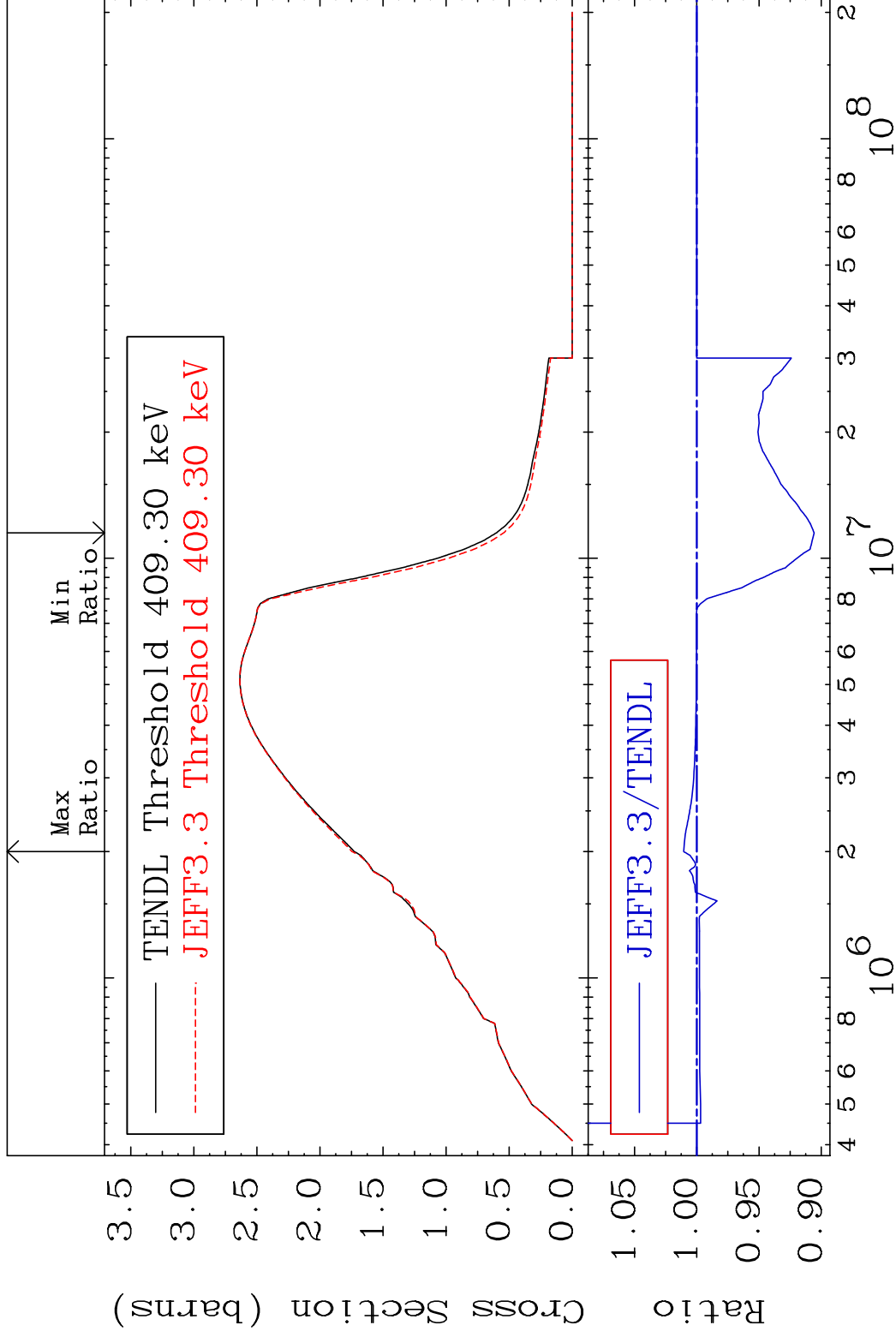


MAT 7849

Inelastic

78-Pt-198

Cross Section -9.427 To 1.052 %



3

Incident Energy (eV)

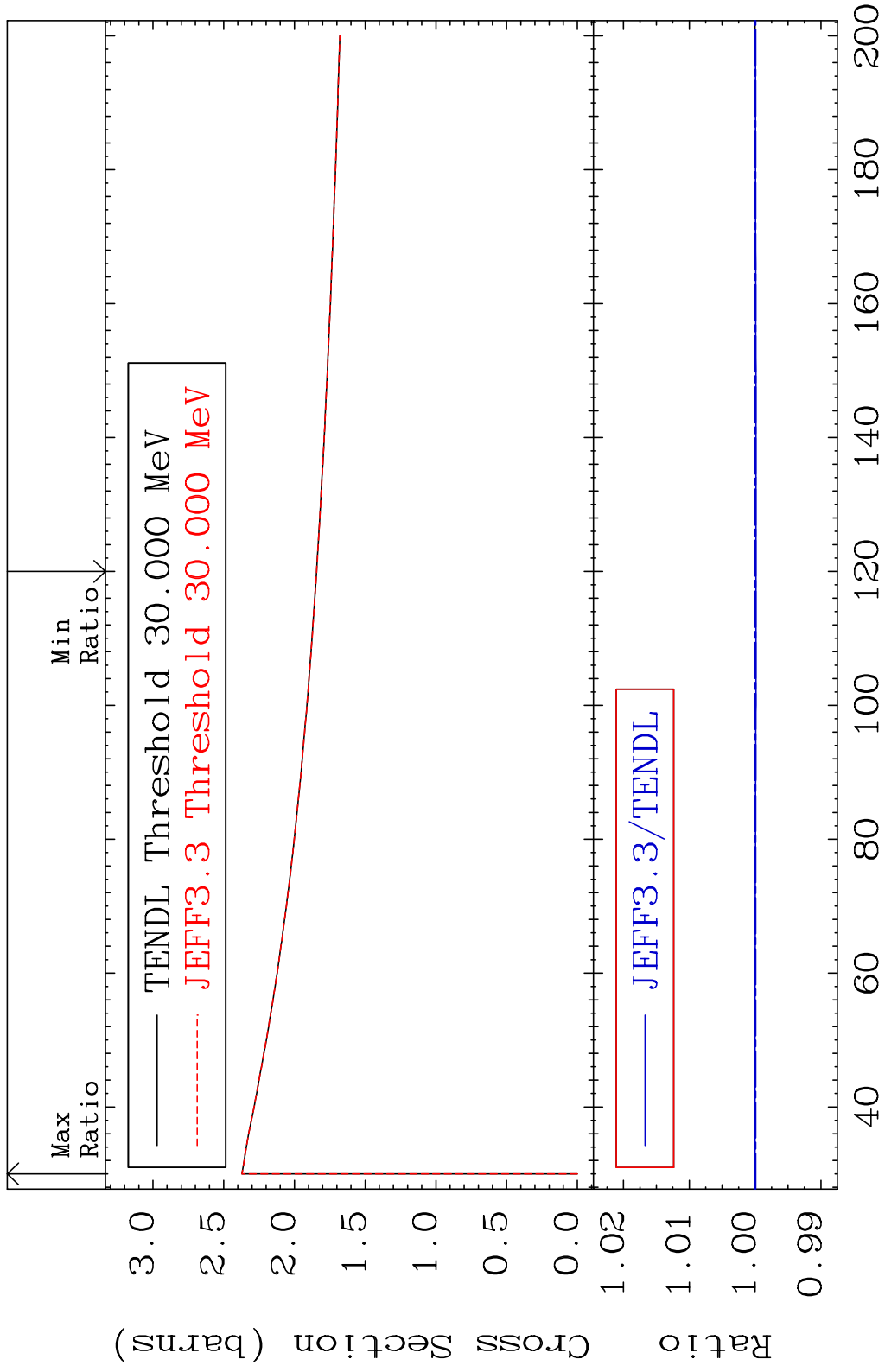
78-Pt-198

MAT 7849

(n, remainder)

78-Pt-198

Cross Section -0.015 To 0.000 %

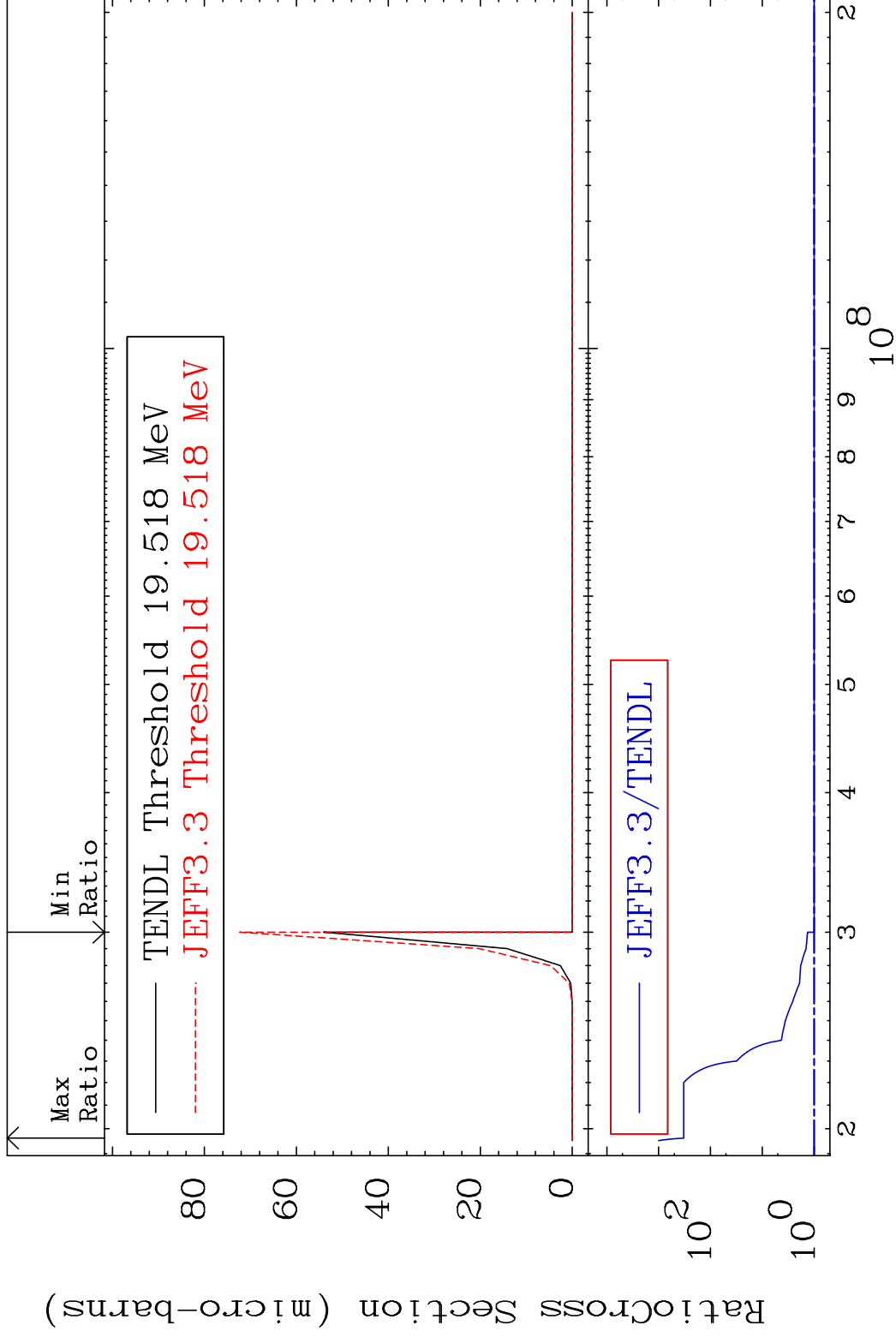


MAT 7849

(n,2n) d

78-Pt-198

Cross Section 0.000 To 9999. %



5

Incident Energy (eV)

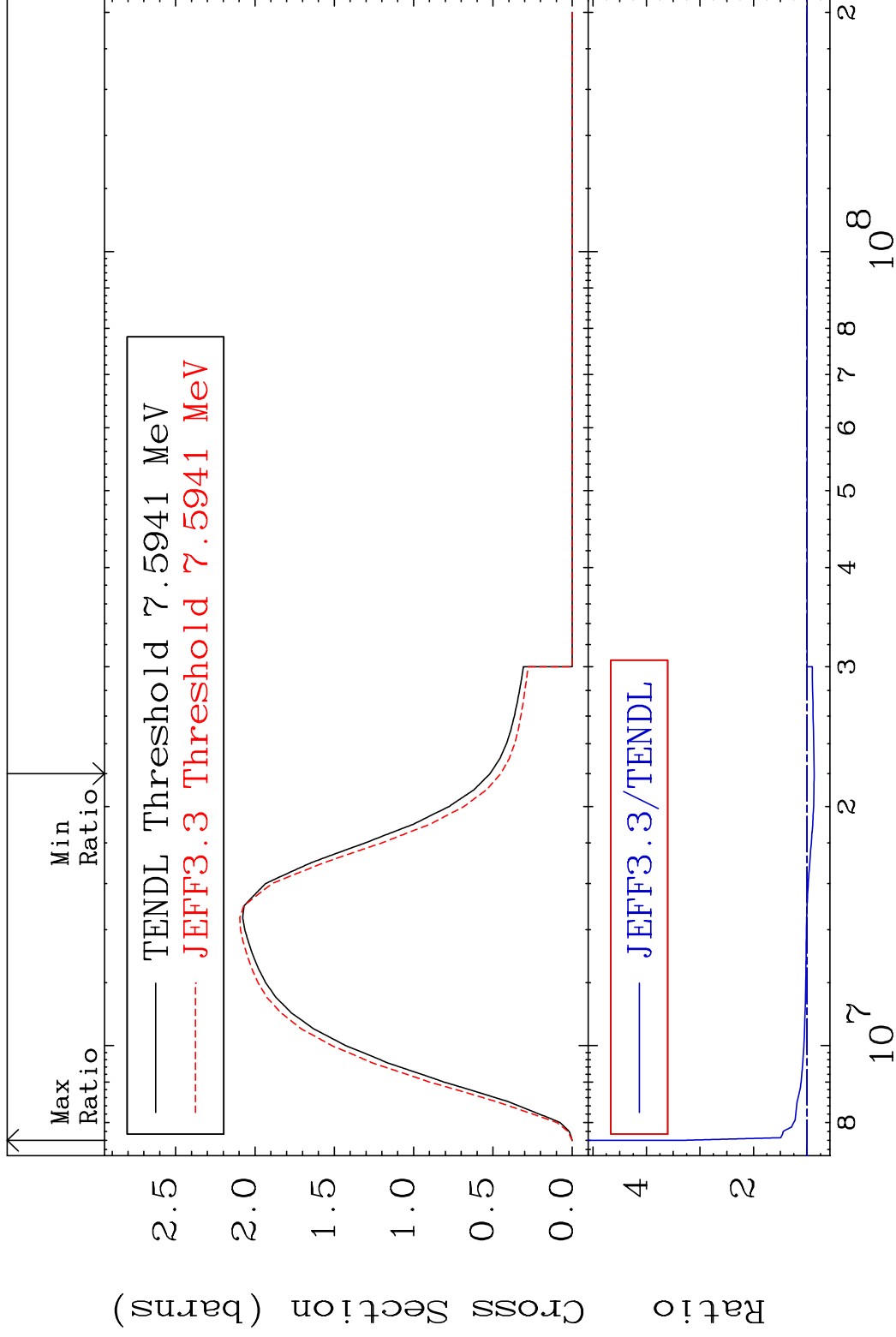
78-Pt-198

MAT 7849

(n,2n)

78-Pt-198

Cross Section -13.10 To 230.6 %



6

Incident Energy (eV)

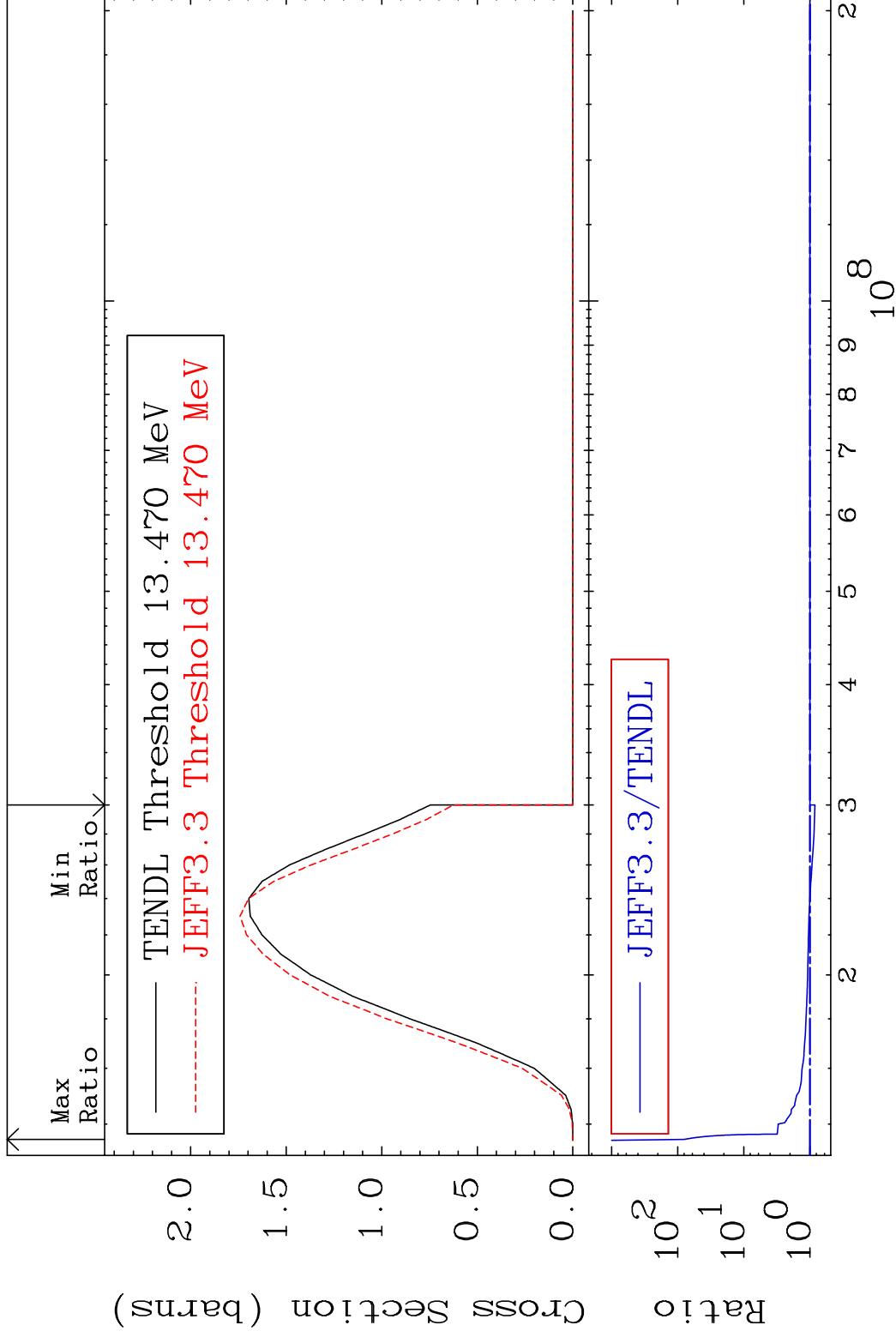
78-Pt-198

MAT 7849

(n,3n)

78-Pt-198

Cross Section -16.22 To 7833. %

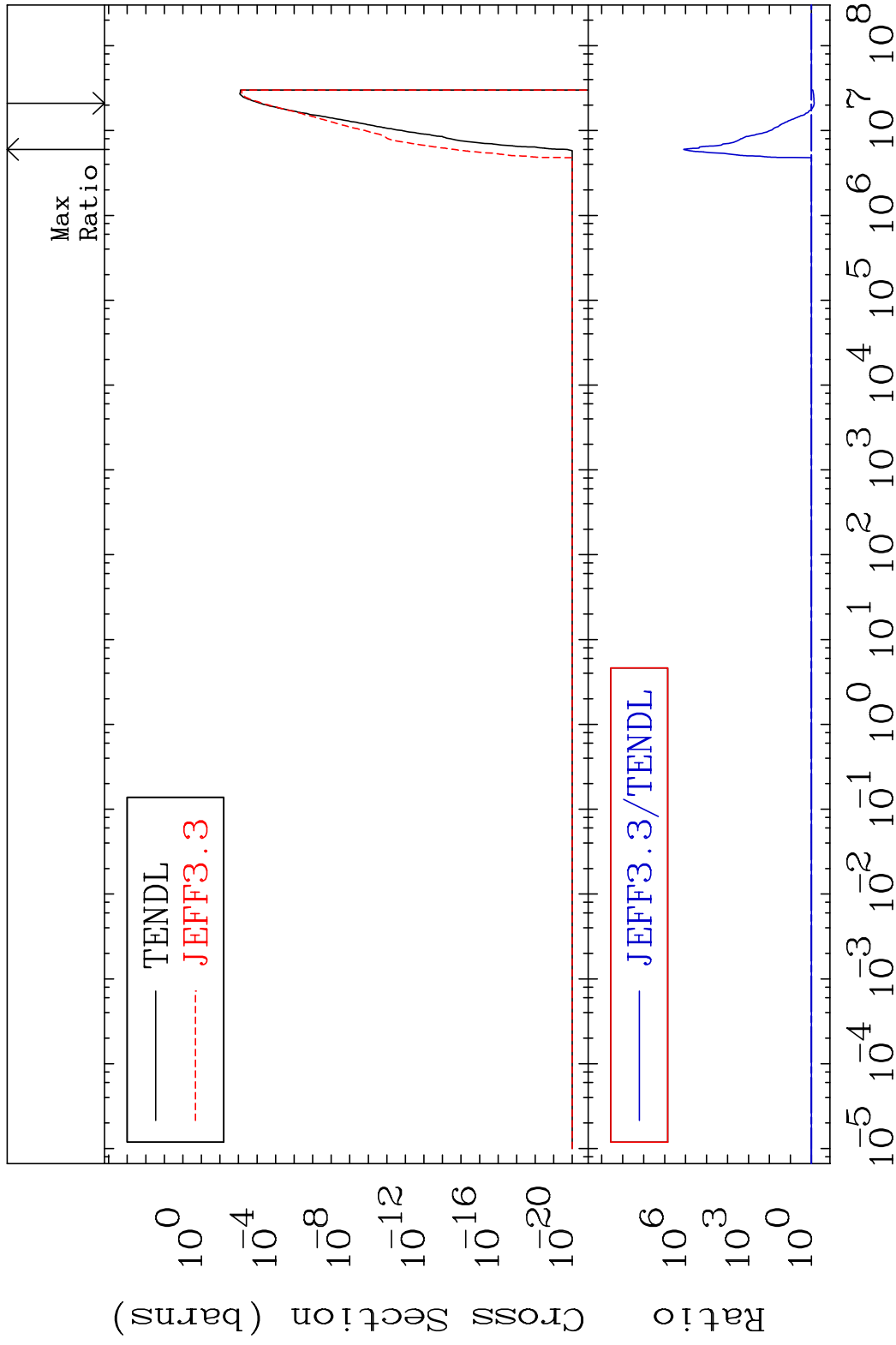


MAT 7849

(n, n') α

78-Pt-198

Cross Section -25.68 To 9999. %



8

Incident Energy (eV)

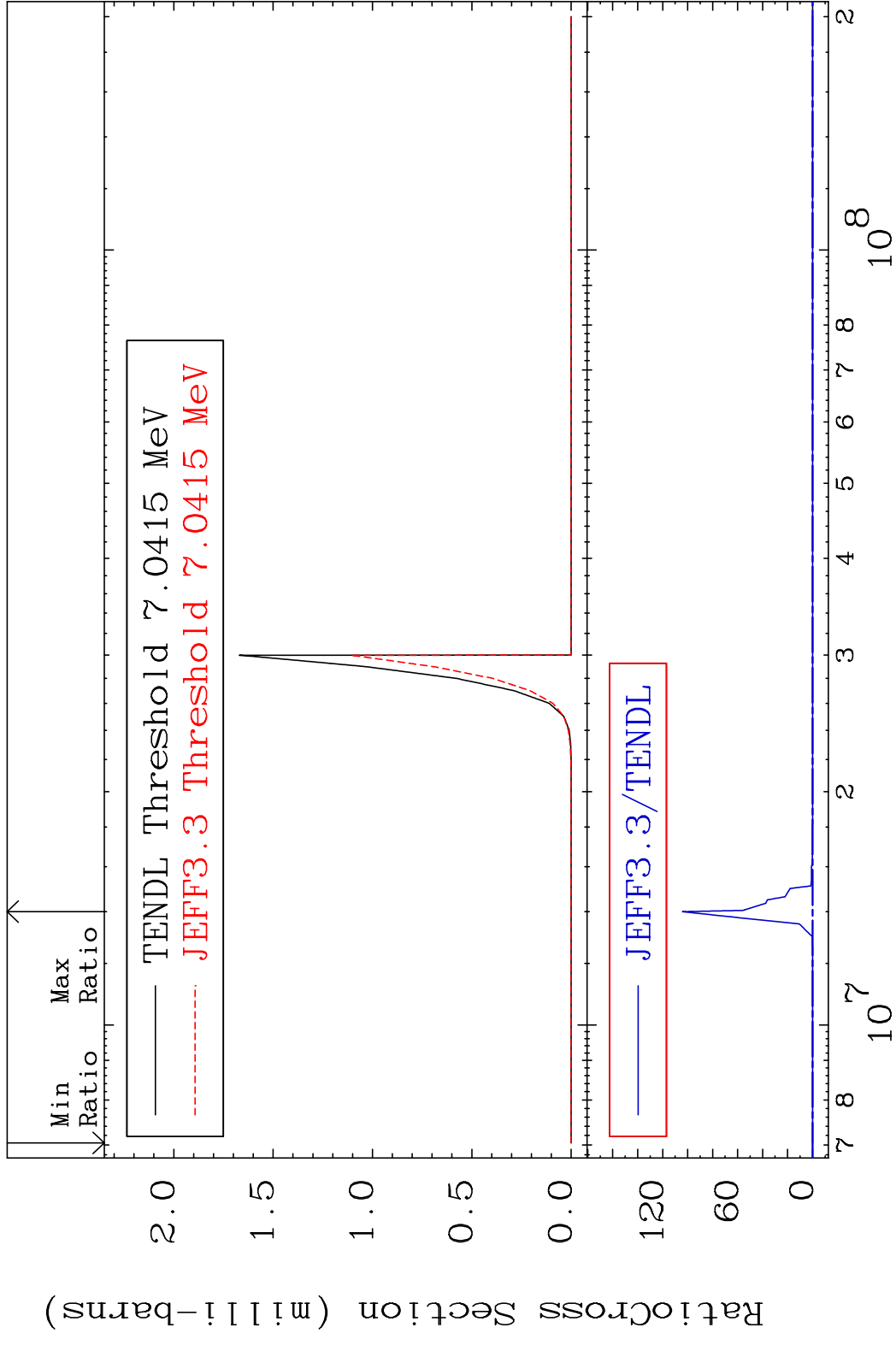
78-Pt-198

MAT 7849

(n,2n) α

78-Pt-198

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

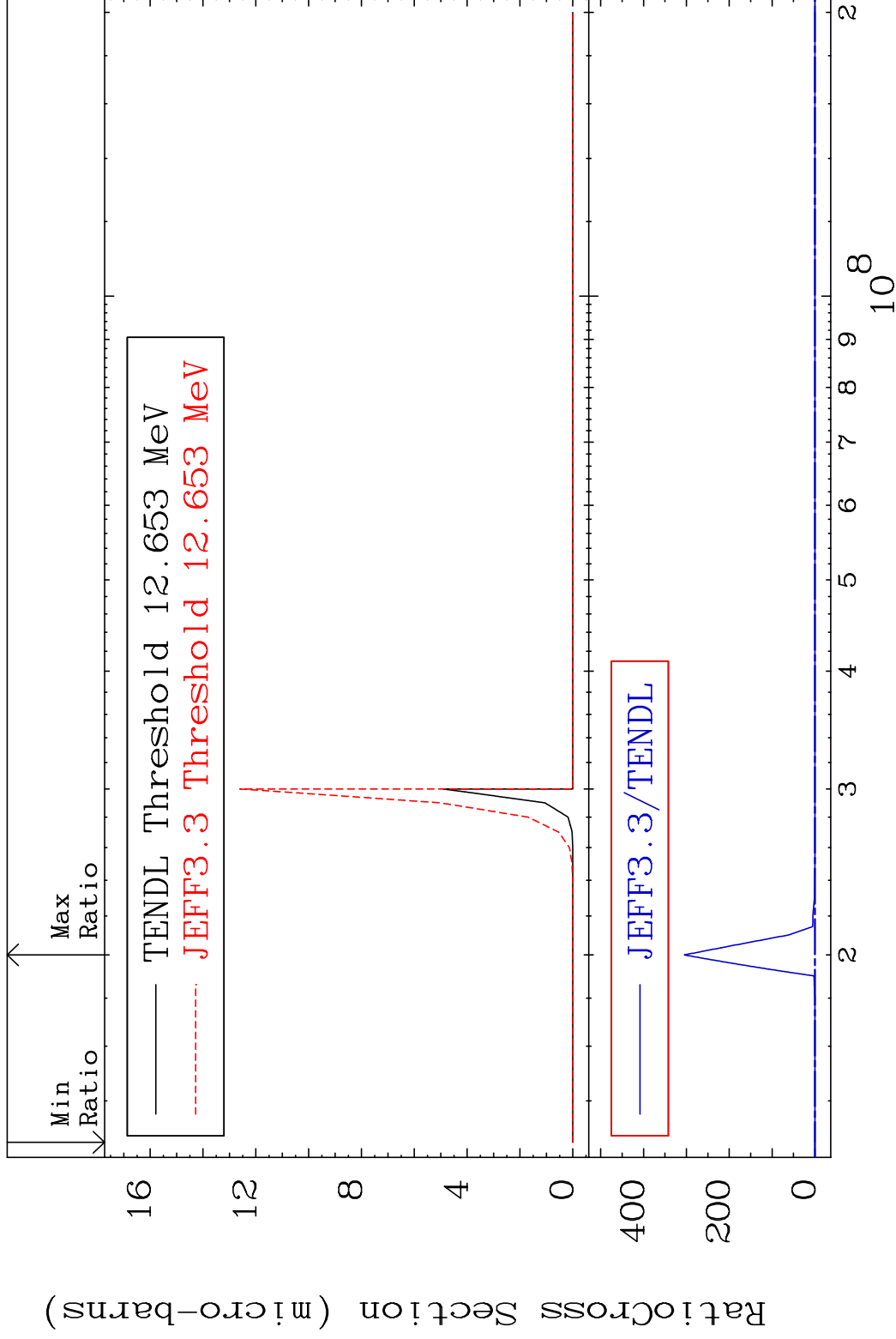
78-Pt-198

MAT 7849

(n,3n) α

78-Pt-198

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

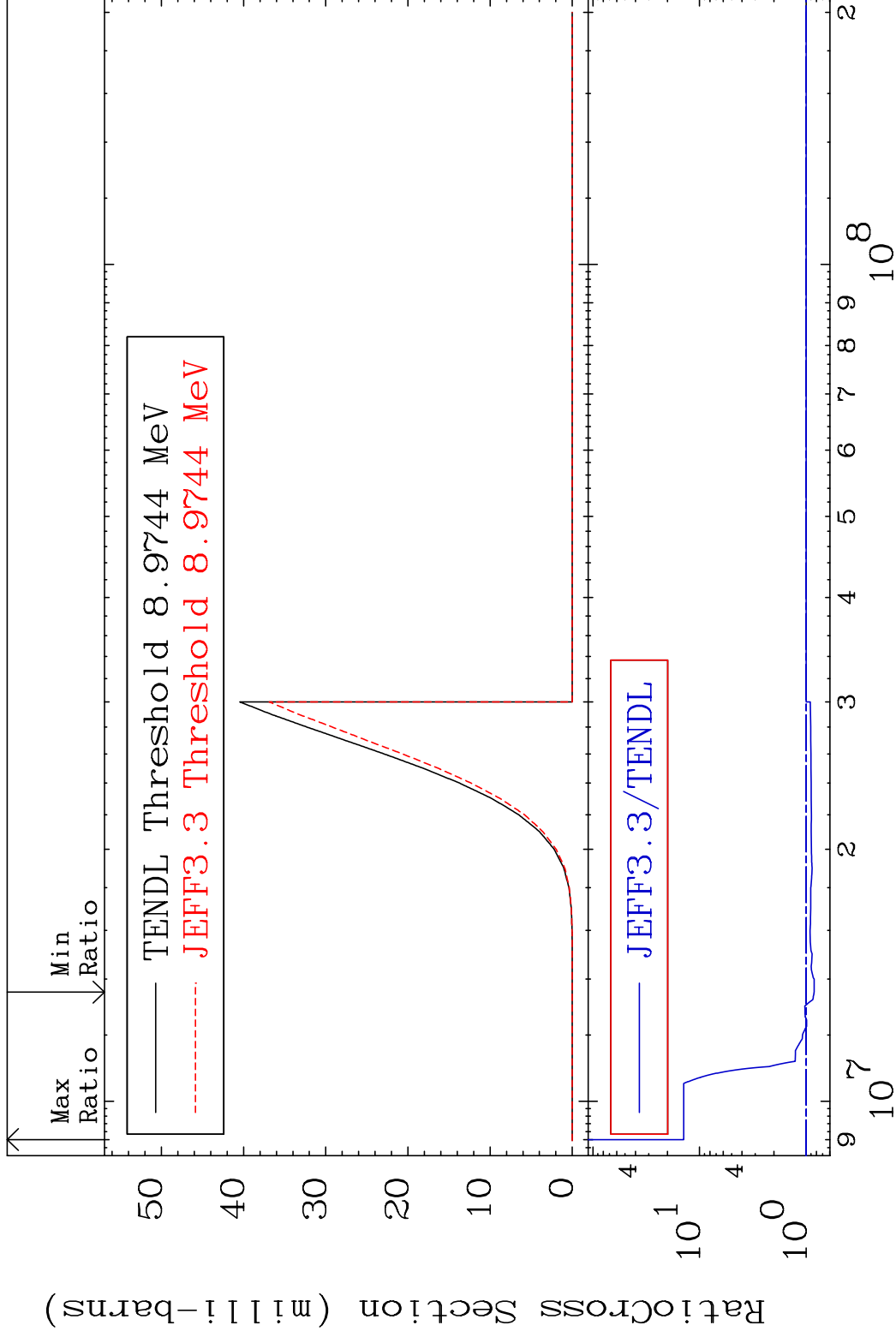
78-Pt-198

MAT 7849

(n, n') p

78-Pt-198

Cross Section -15.90 To 1310. %



11

Incident Energy (eV)

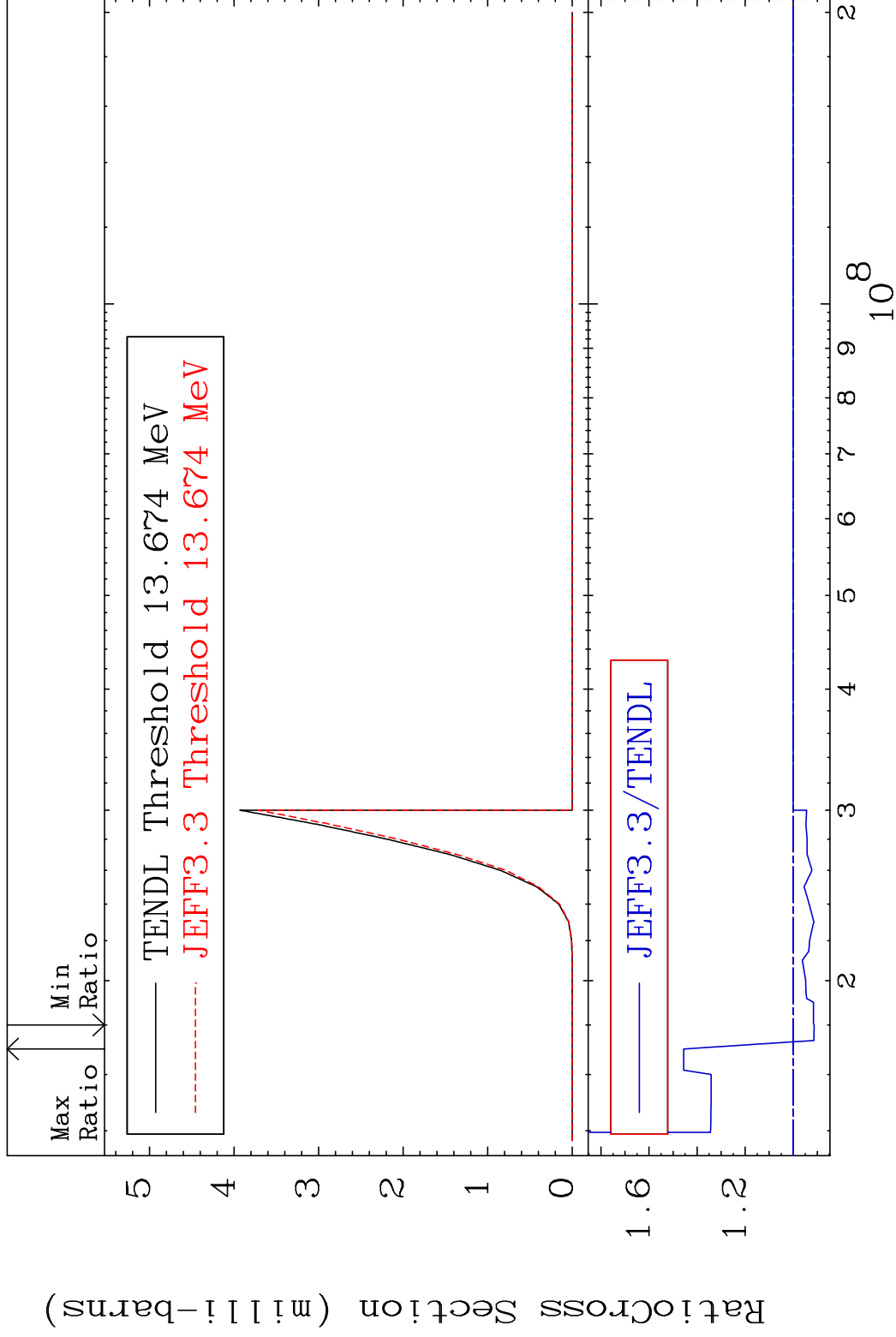
78-Pt-198

MAT 7849

(n, n') d

78-Pt-198

Cross Section -8.6882 To 45.60 %

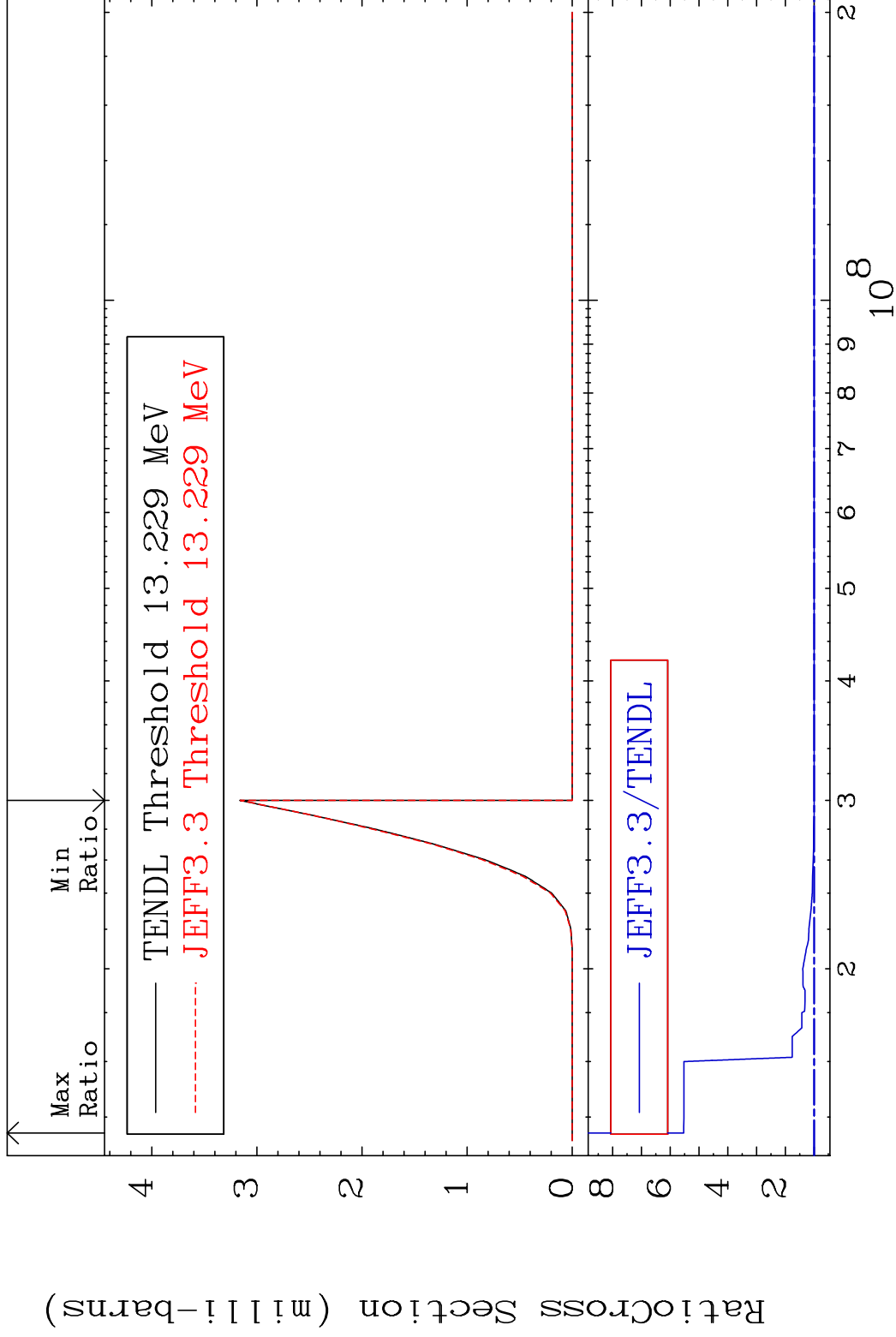


MAT 7849

(n, n') t

78-Pt-198

Cross Section -0.204 To 453.3 %



13

Incident Energy (eV)

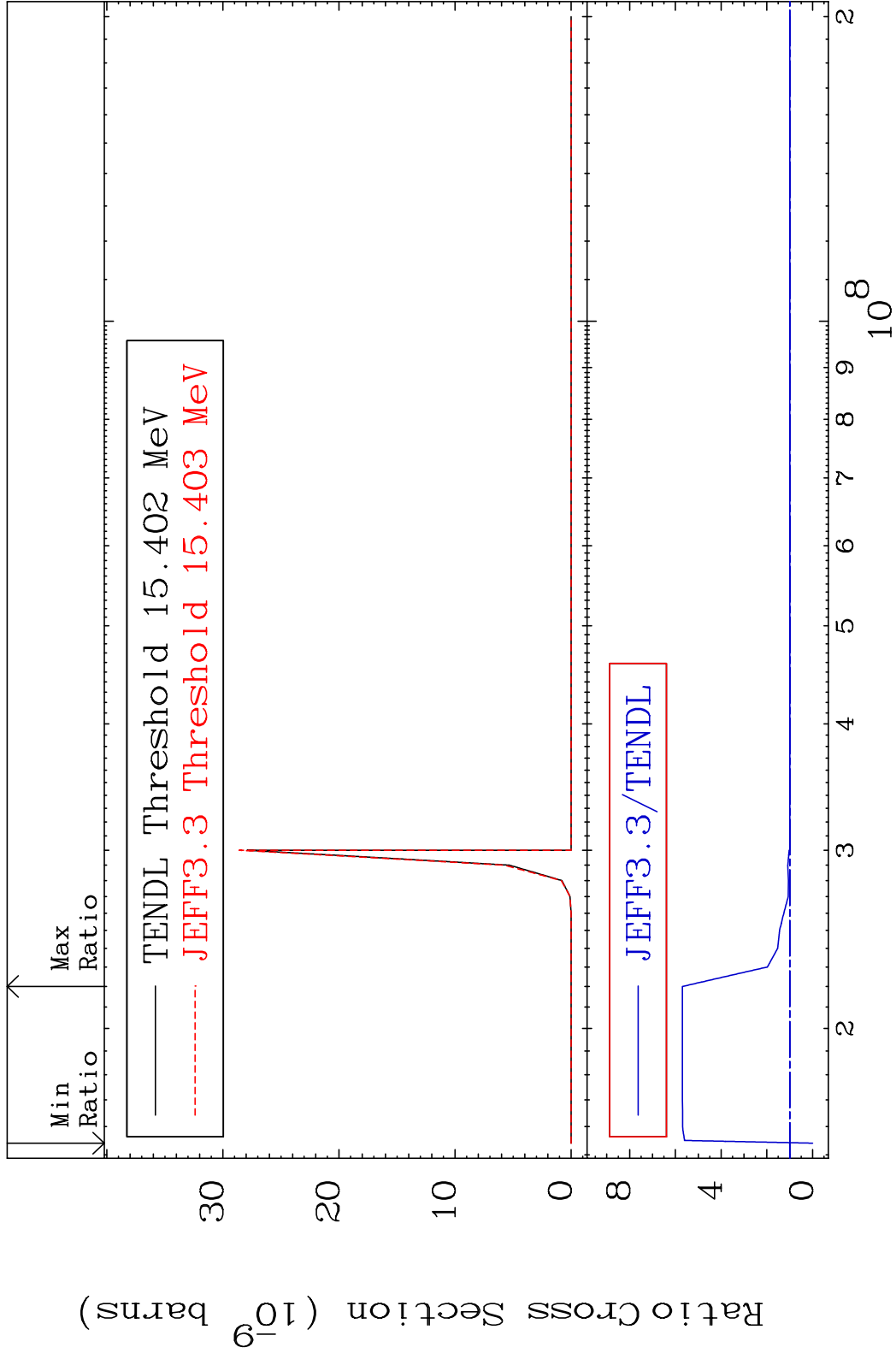
78-Pt-198

MAT 7849

(n,n') He-3

78-Pt-198

Cross Section -100.0 To 469.5 %

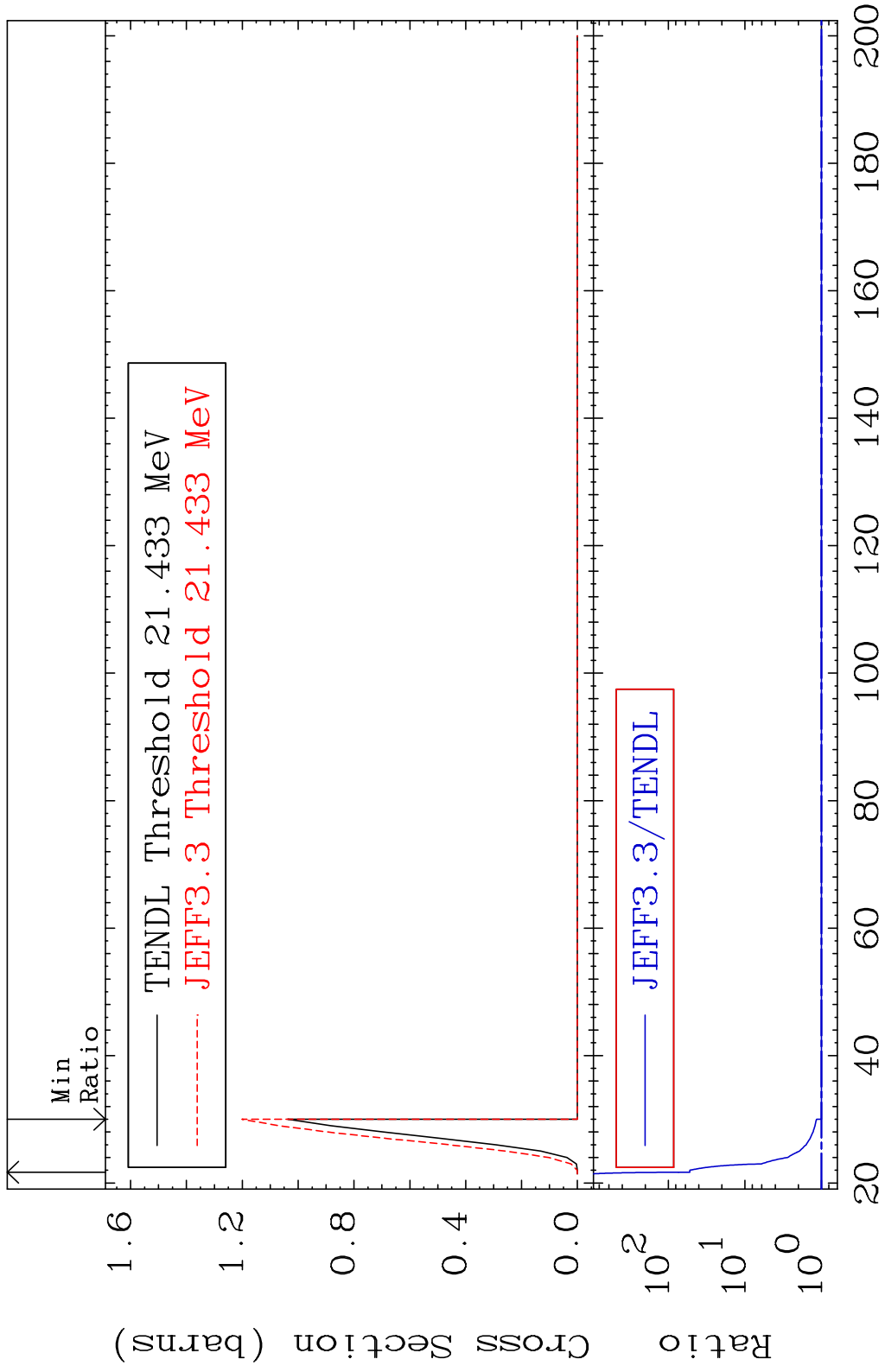


MAT 7849

(n,4n)

78-Pt-198

Cross Section 0.000 To 5148. %



15

Incident Energy (MeV)

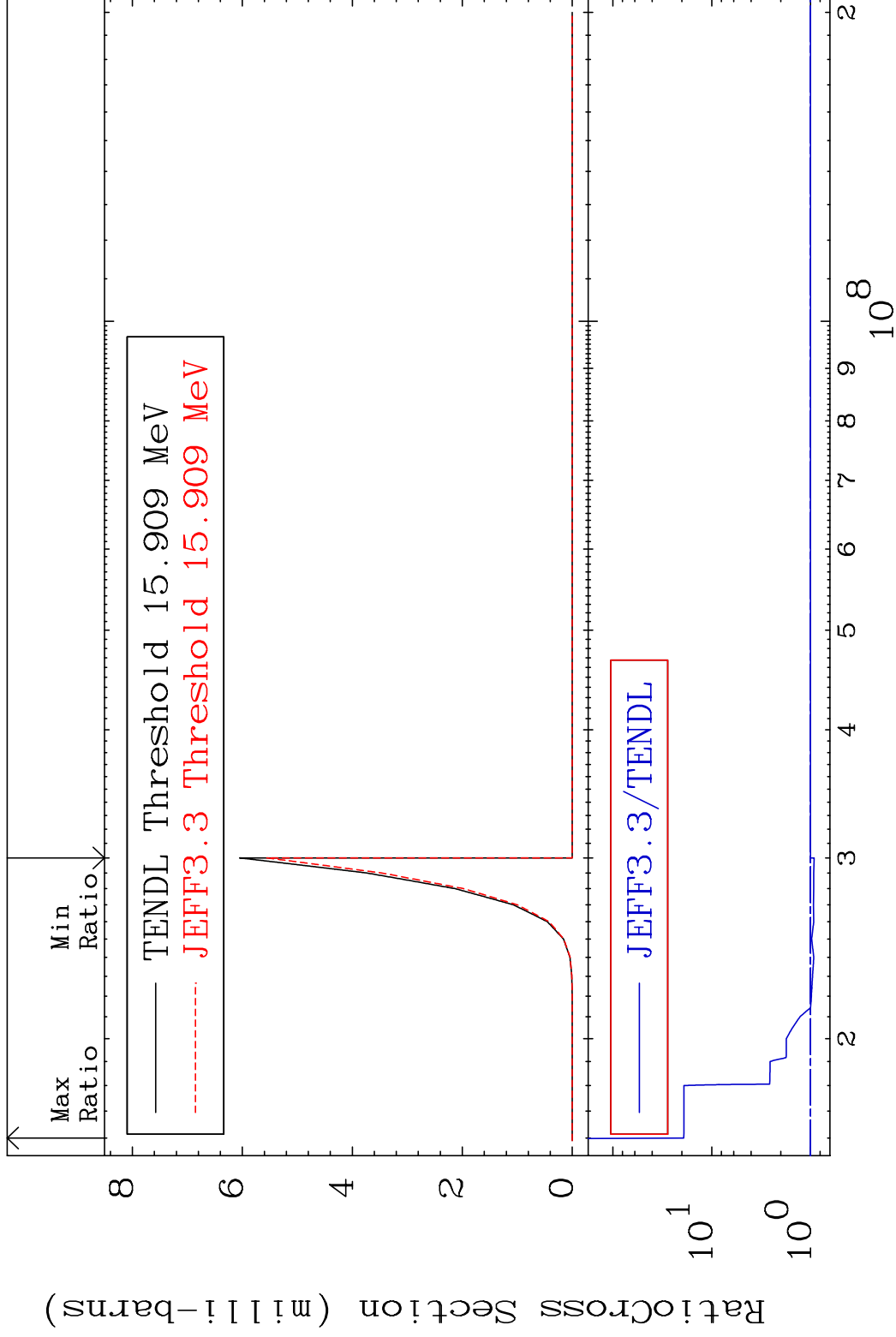
78-Pt-198

MAT 7849

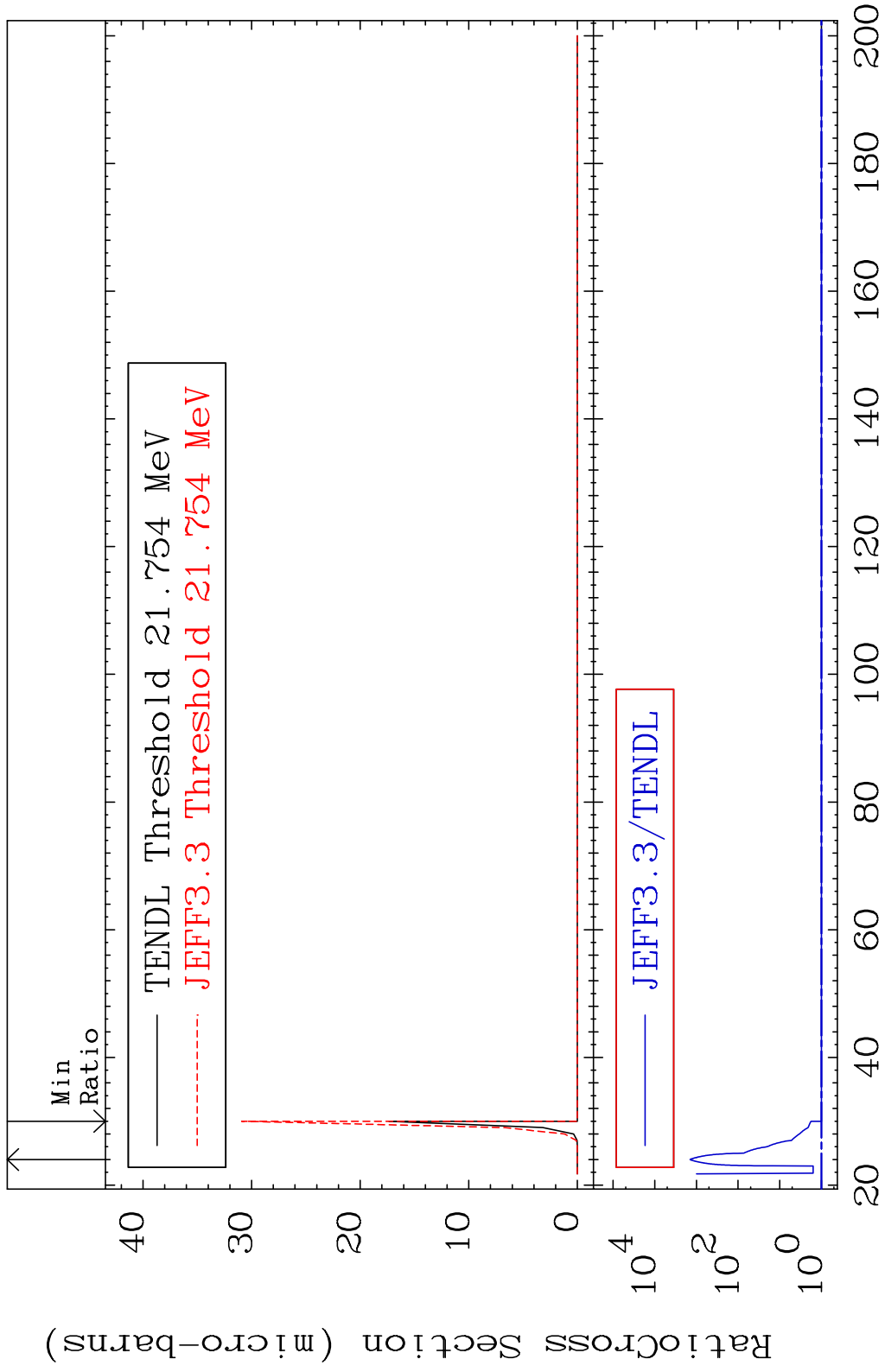
(n,2n) p

78-Pt-198

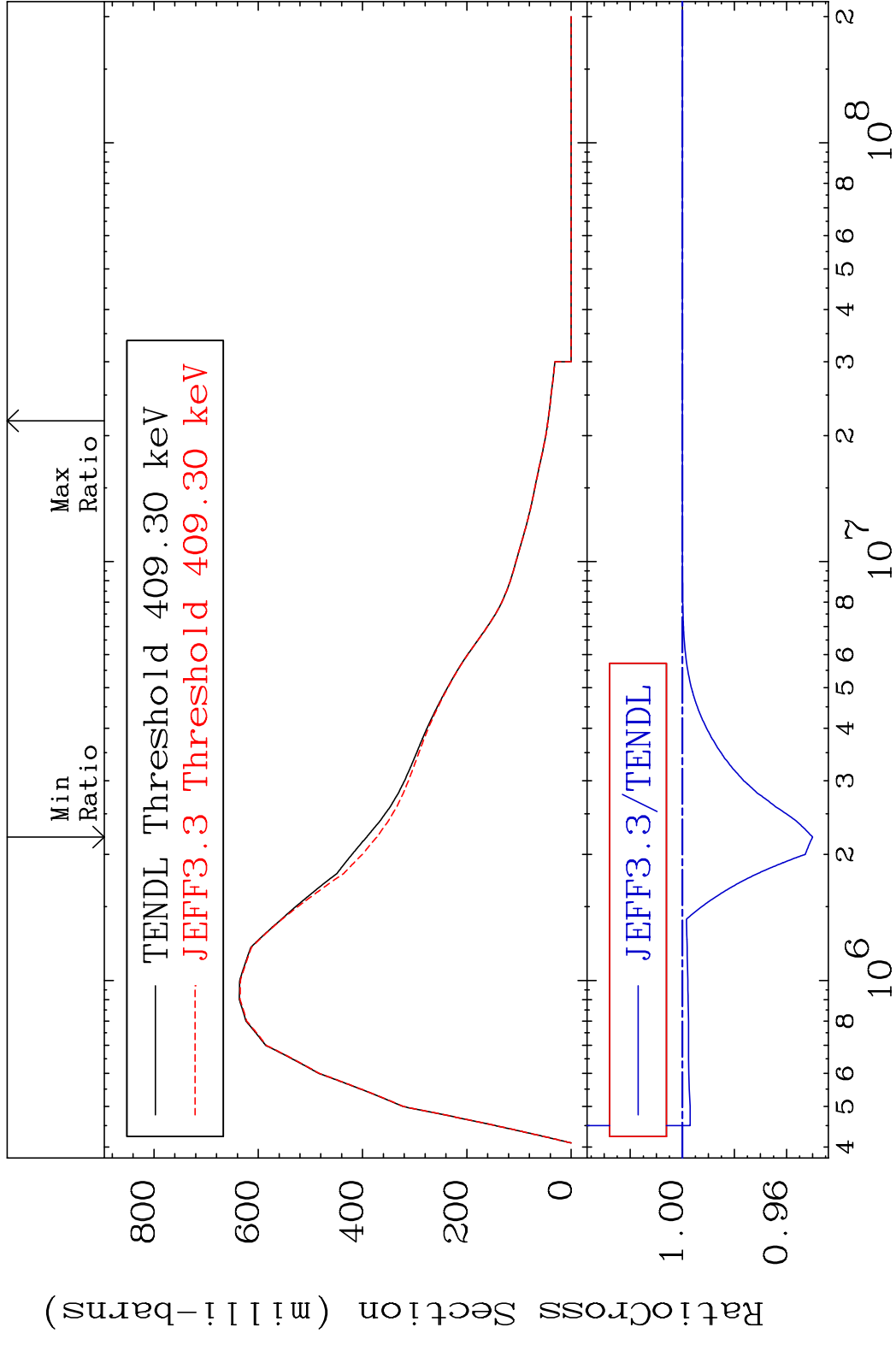
Cross Section -8.078 To 1823. %



MAT 7849 (n,3n) p 78-Pt-198
 Cross Section 0.000 To 9999. %



MAT 7849 MT= 51 (n, n') Level 78-Pt-198
 Cross Section -4.999 To 0.000 %

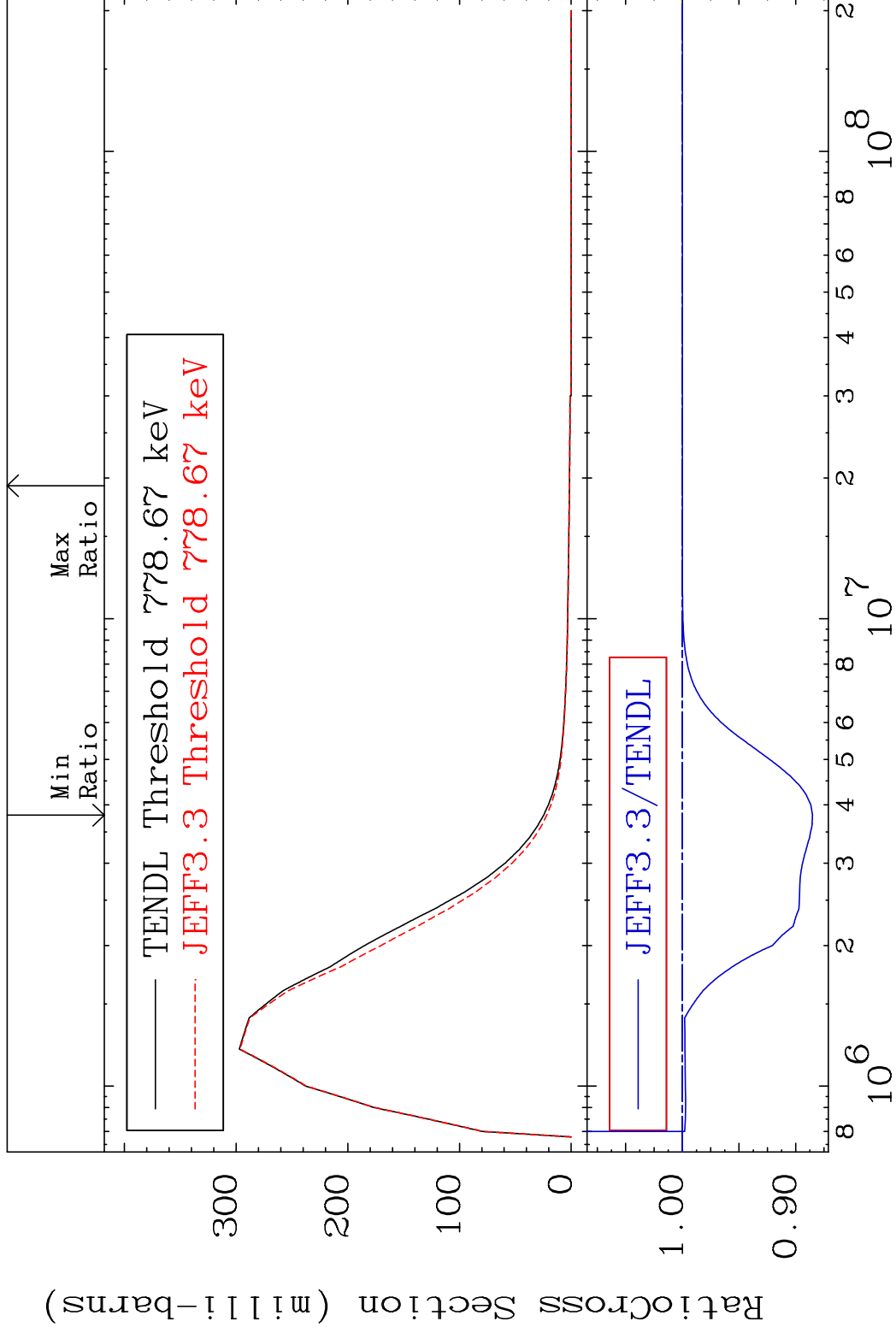


MAT 7849

MT= 52 (n, n') Level

78-Pt-198

Cross Section -11.48 To 0.000 %

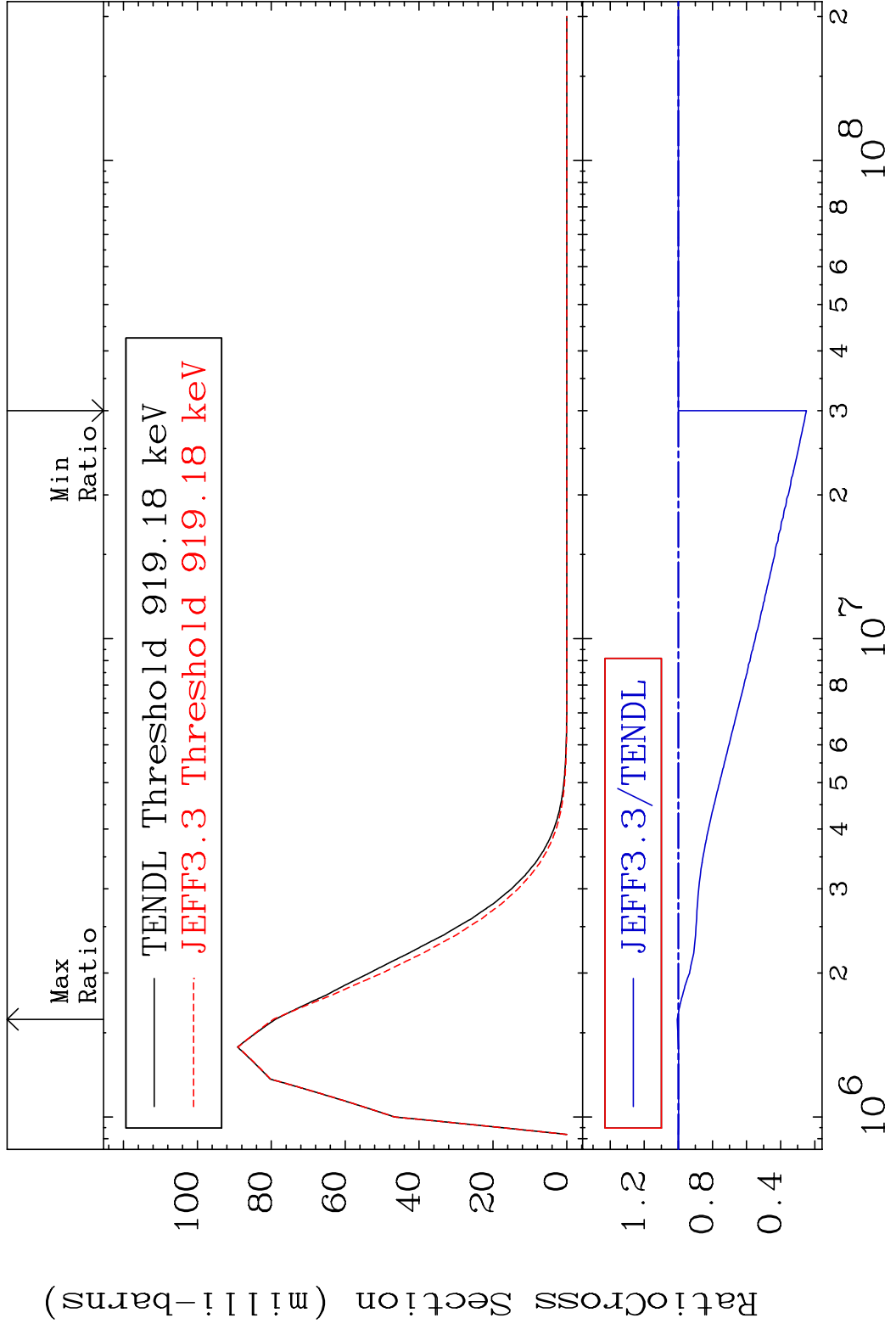


19

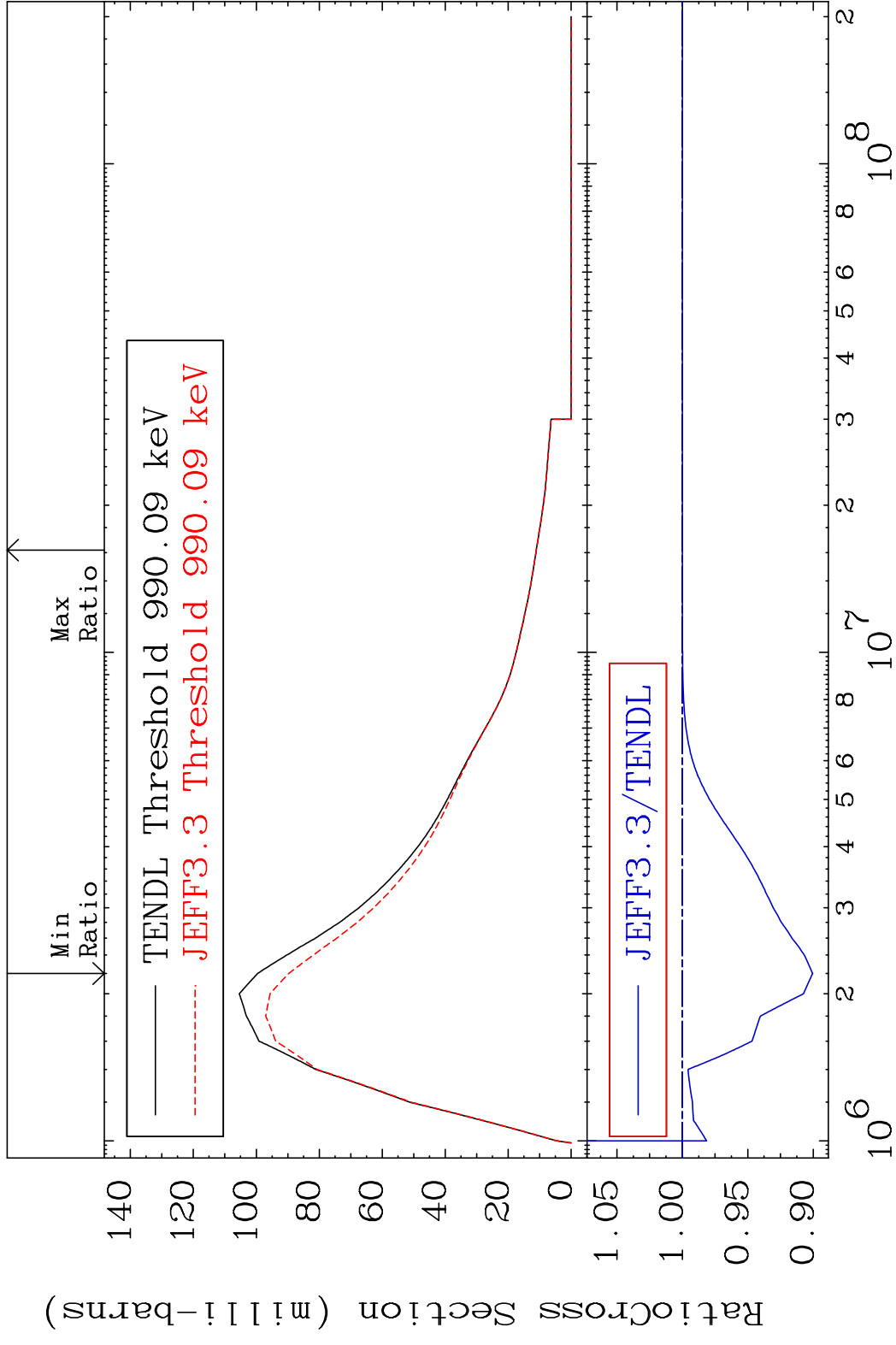
Incident Energy (eV)

78-Pt-198

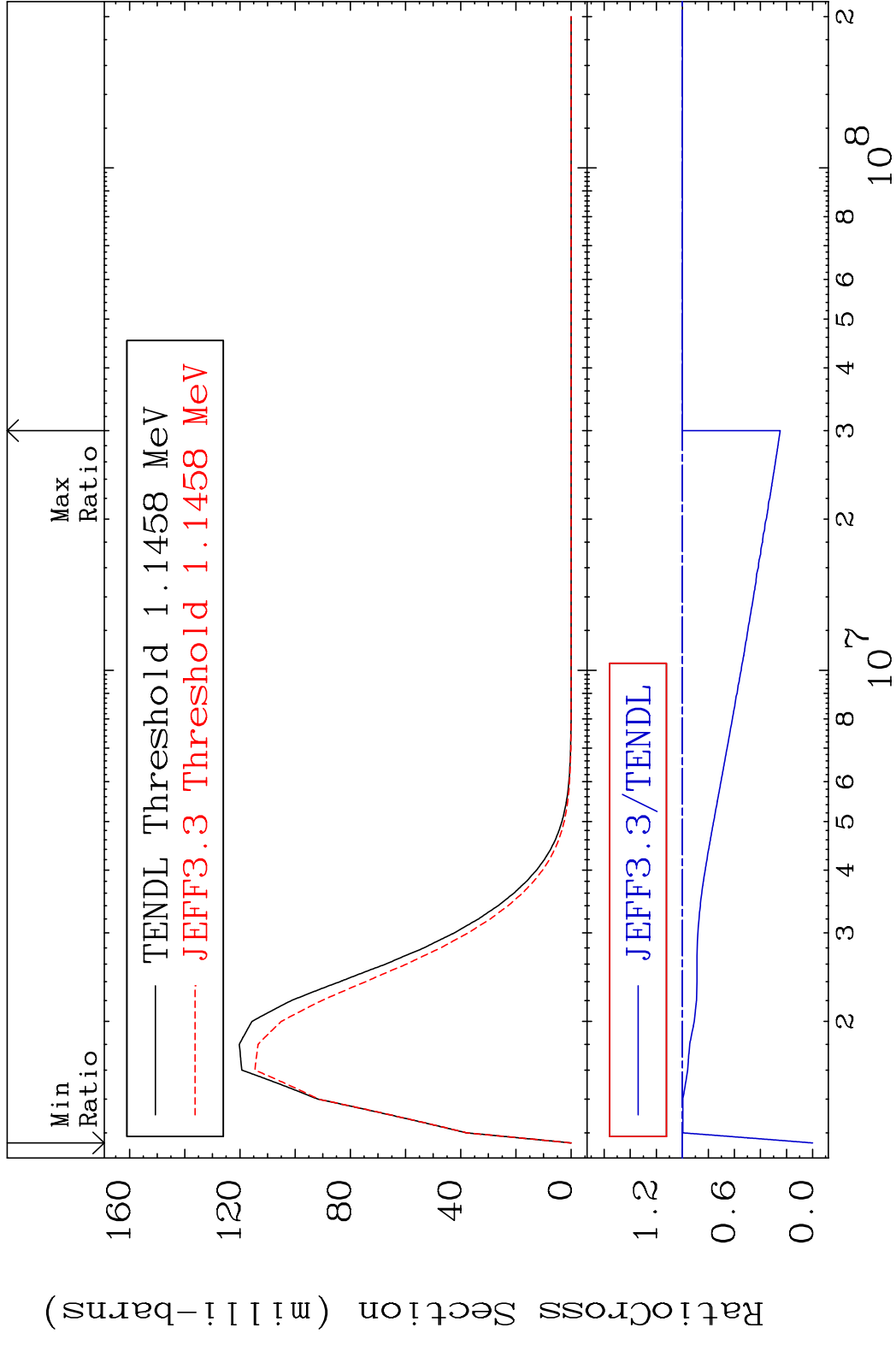
MAT 7849 MT= 53 (n, n') Level 78-Pt-198
 Cross Section -75.12 To 0.676 %



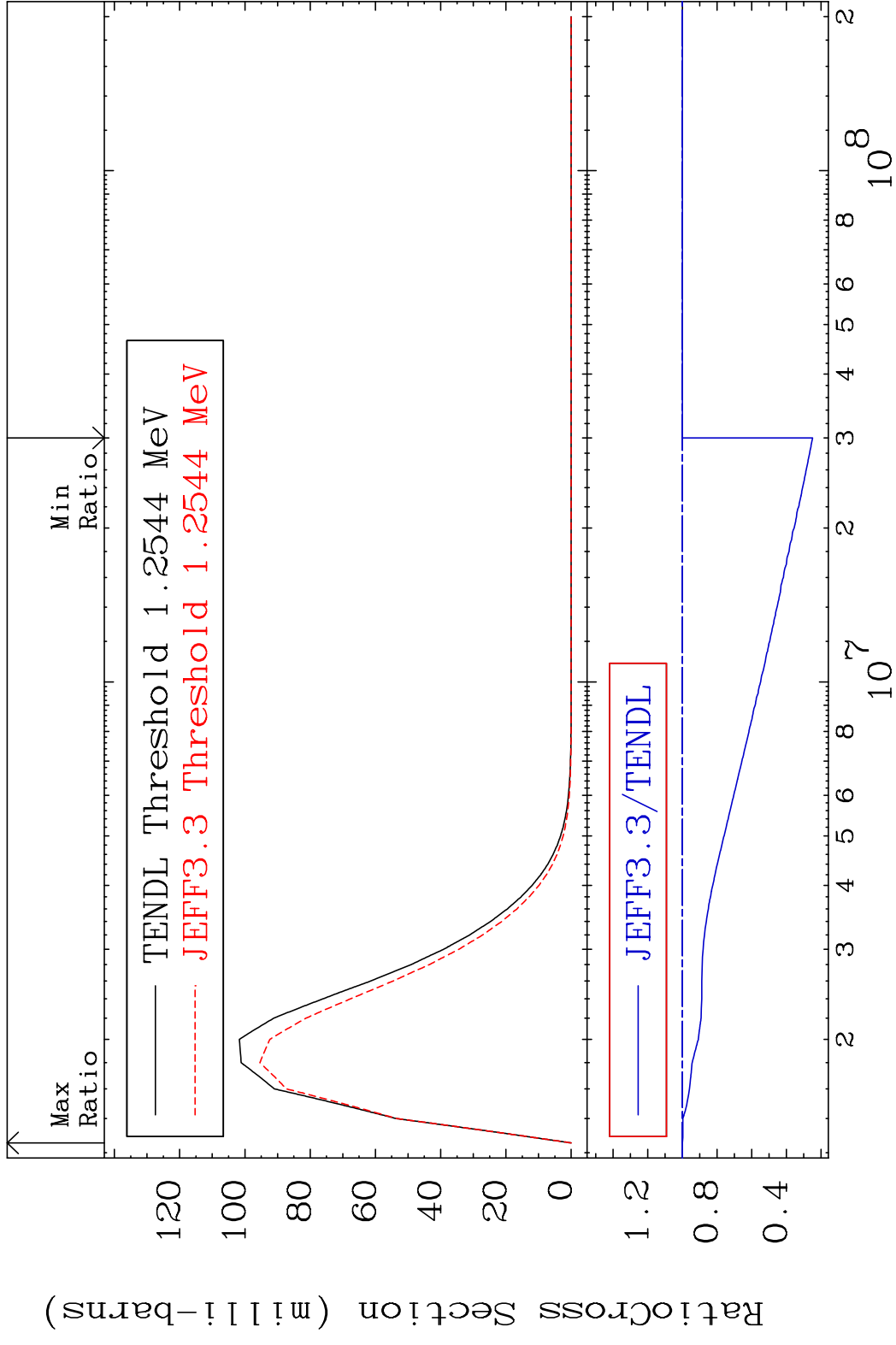
MAT 7849 MT= 54 (n, n') Level 78-Pt-198
 Cross Section -9.952 To 0.000 %



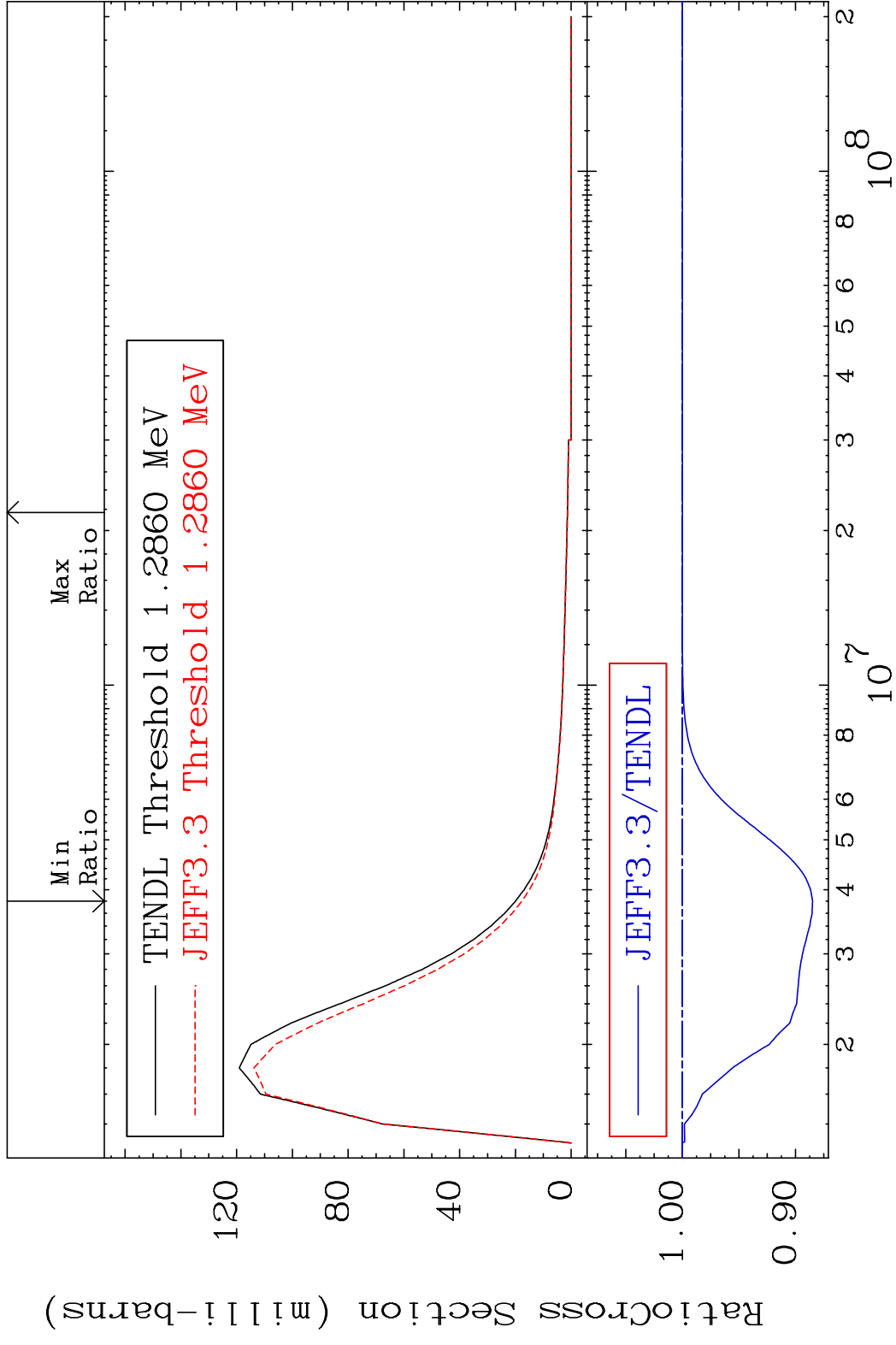
MAT 7849 MT= 55 (n, n') Level 78-Pt-198
 Cross Section -100.0 To 0.000 %



MAT 7849 MT= 56 (n, n') Level 78-Pt-198
 Cross Section -75.12 To 0.000 %



MAT 7849 MT= 57 (n, n') Level 78-Pt-198
 Cross Section -11.51 To 0.000 %

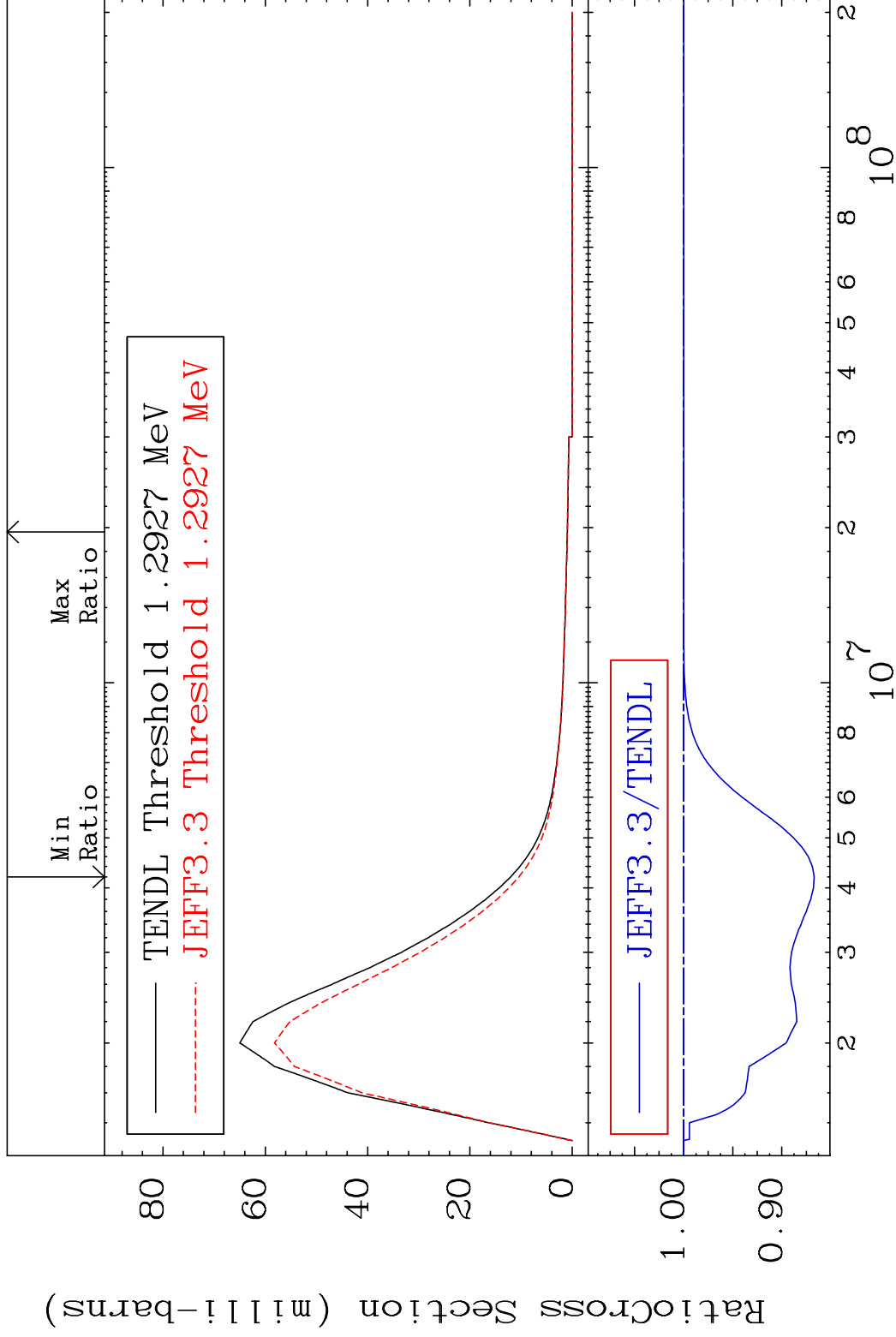


MAT 7849

MT= 58 (n, n') Level

78-Pt-198

Cross Section -13.29 To 0.000 %

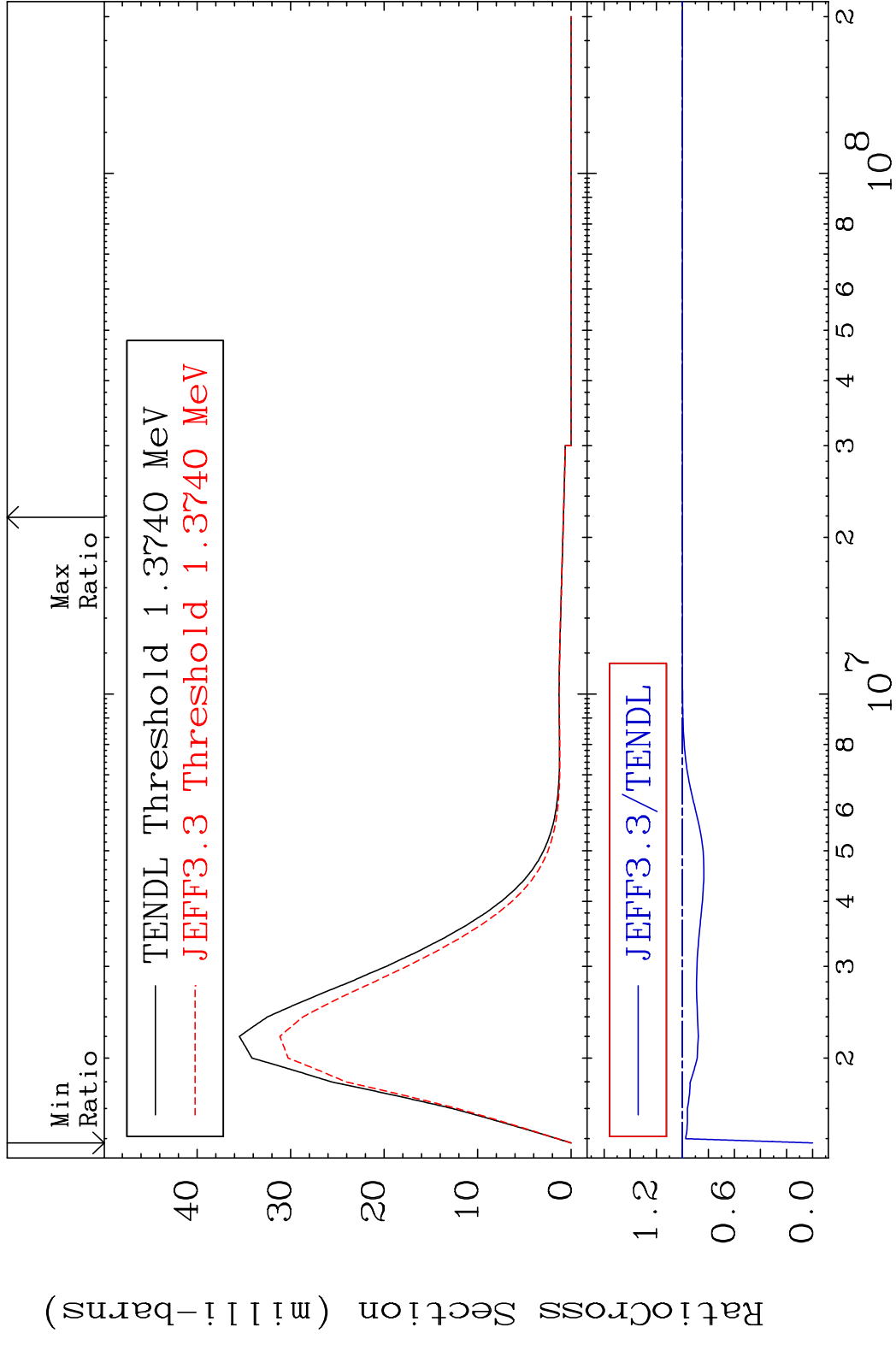


25

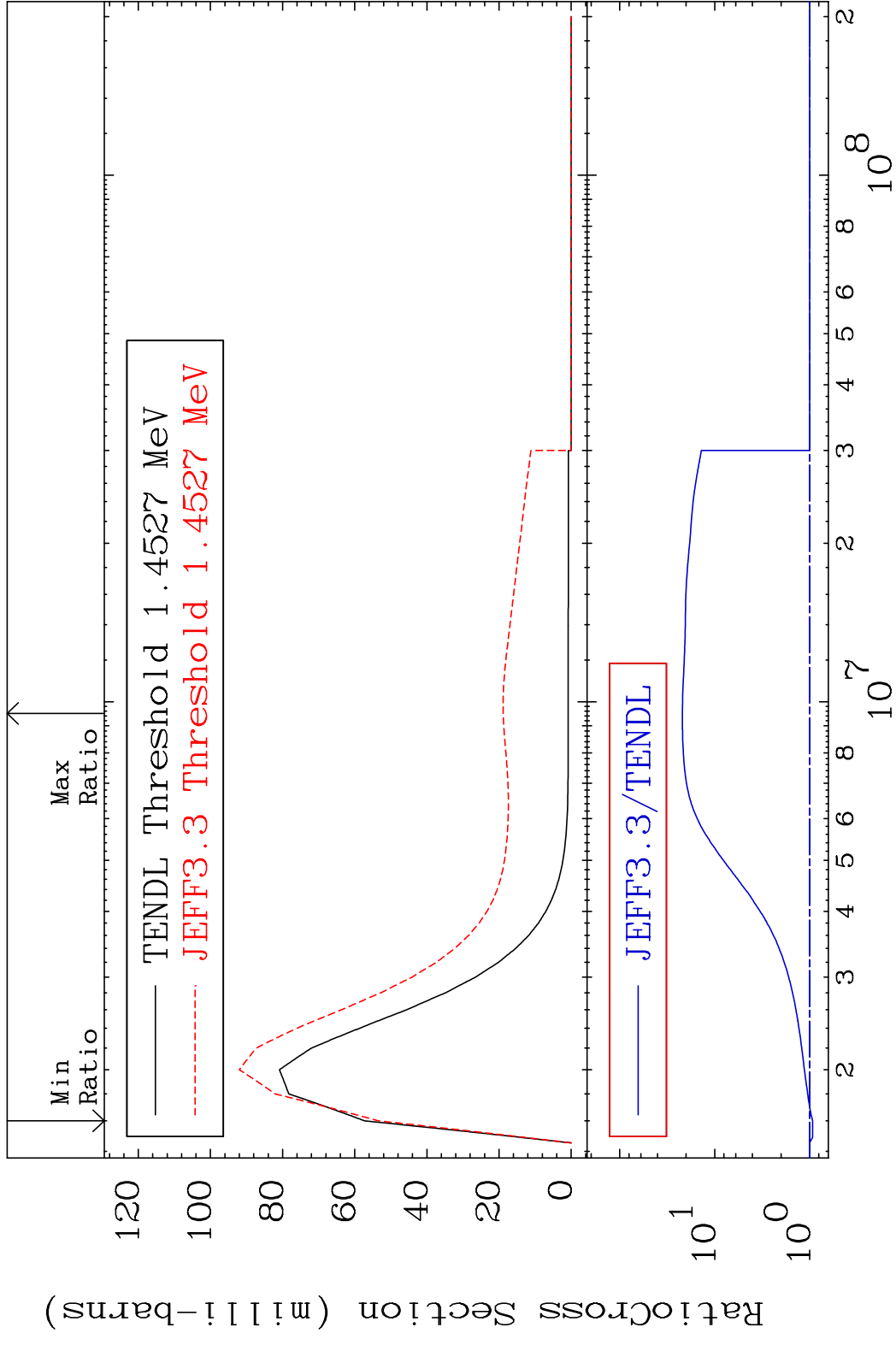
Incident Energy (eV)

78-Pt-198

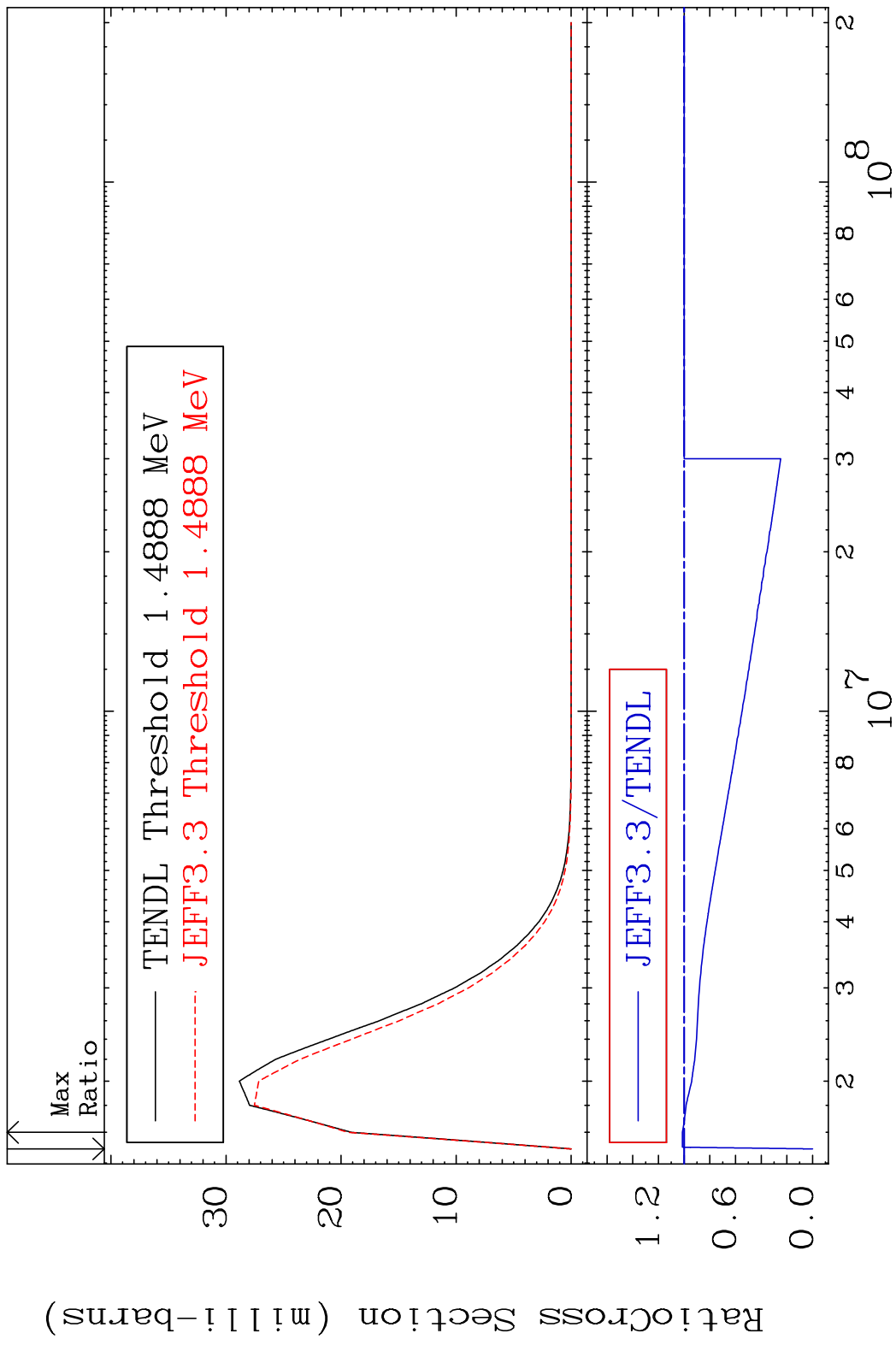
MAT 7849 MT= 59 (n, n') Level 78-Pt-198
 Cross Section -100.0 To 0.000 %



MAT 7849 MT= 60 (n, n') Level 78-Pt-198
 Cross Section -6.818 To 2091. %



MAT 7849 MT= 61 (n, n') Level 78-Pt-198
 Cross Section -100.0 To 1.398 %

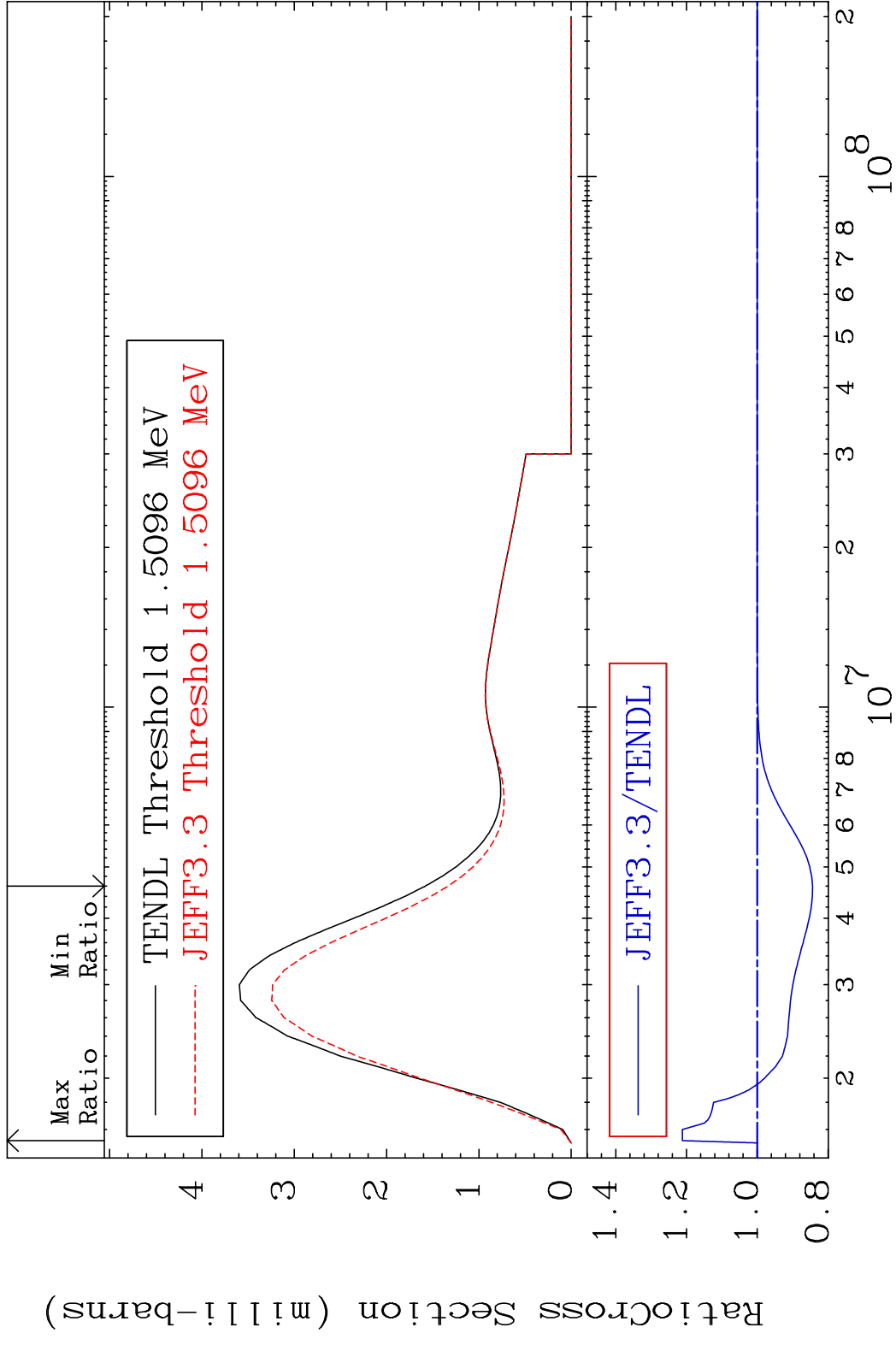


MAT 7849

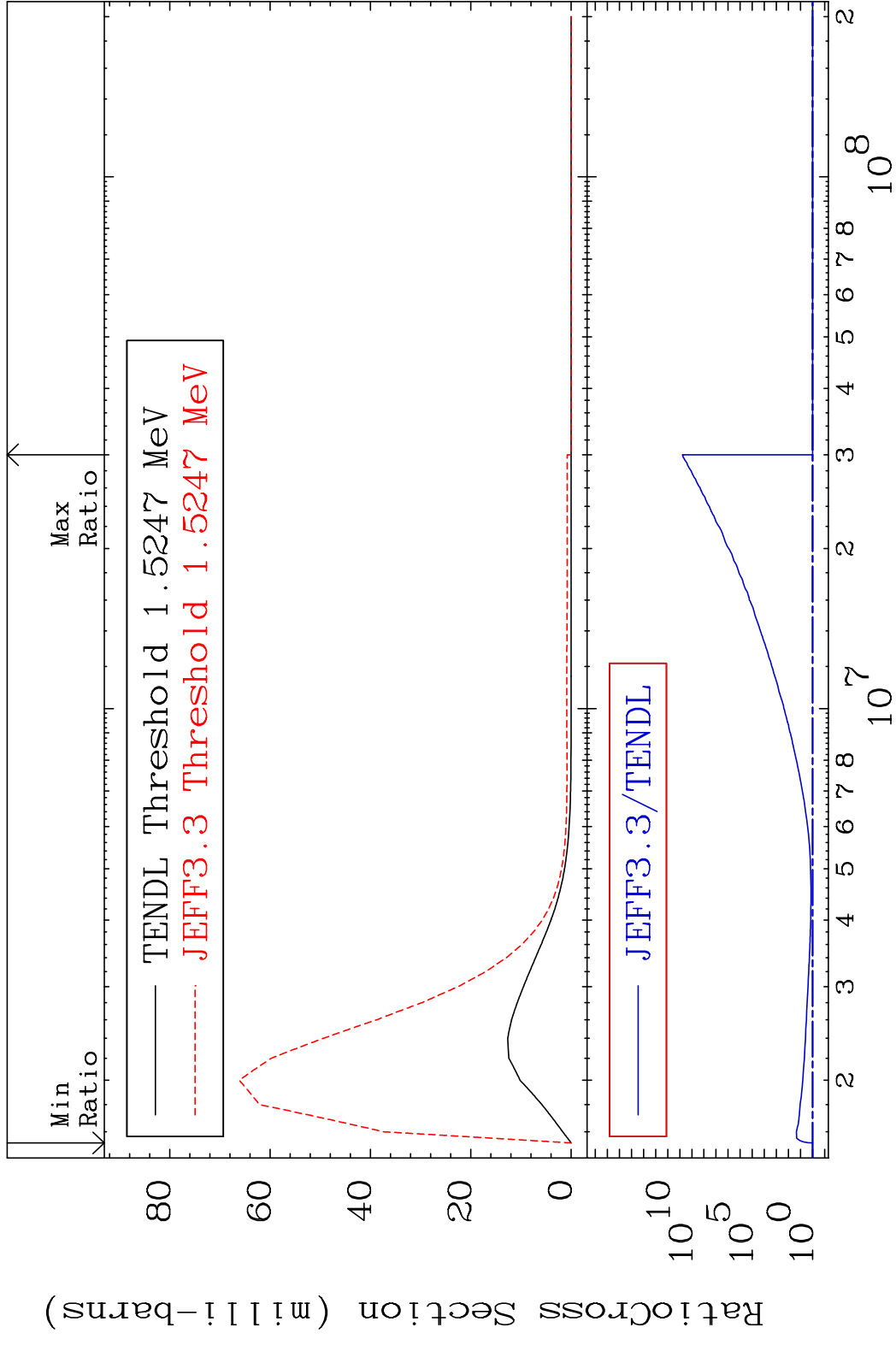
MT= 62 (n, n') Level

78-Pt-198

Cross Section -15.62 To 21.17 %



MAT 7849 MT= 63 (n, n') Level 78-Pt-198
 Cross Section 0.000 To 9999. %

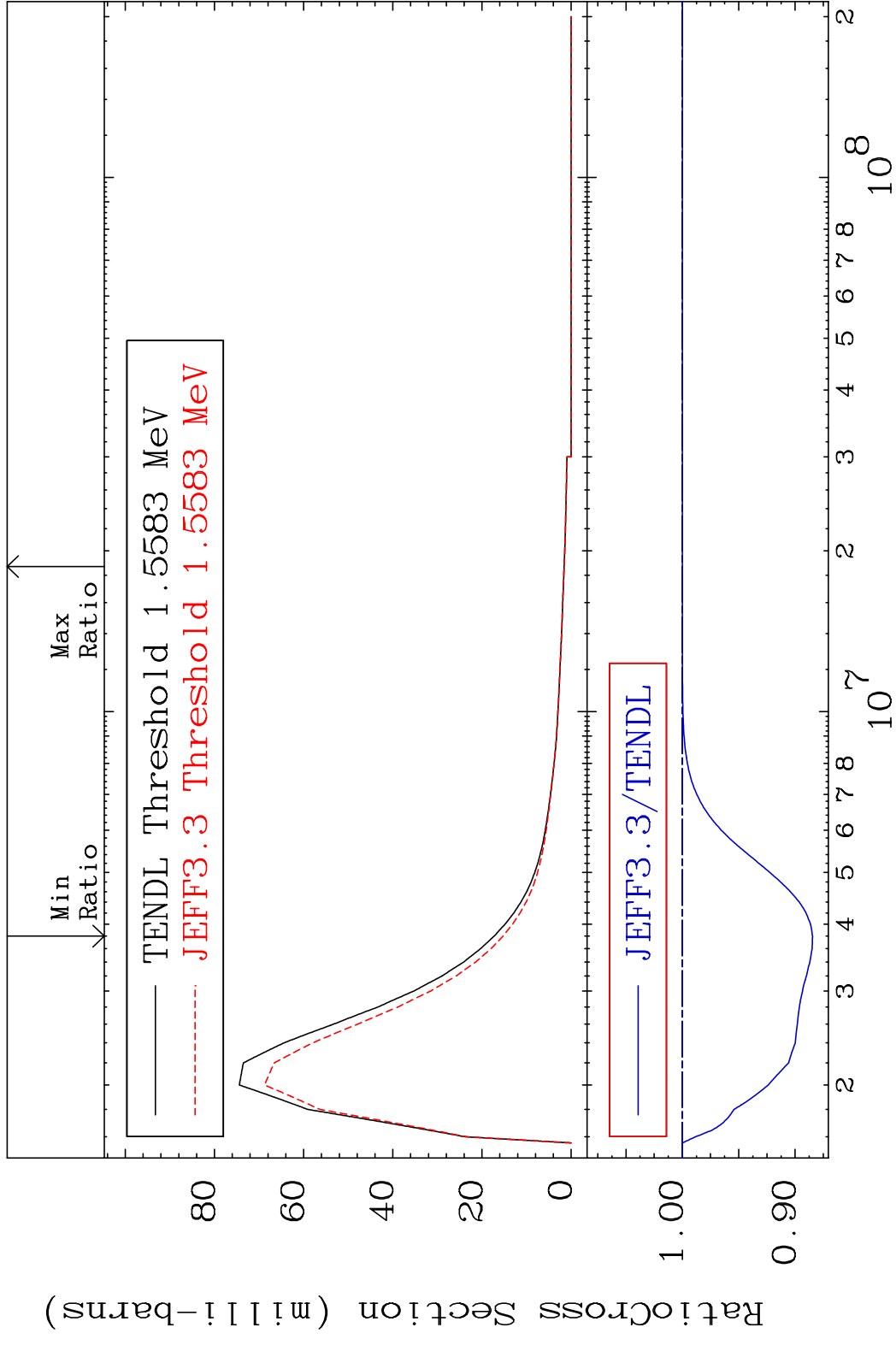


MAT 7849

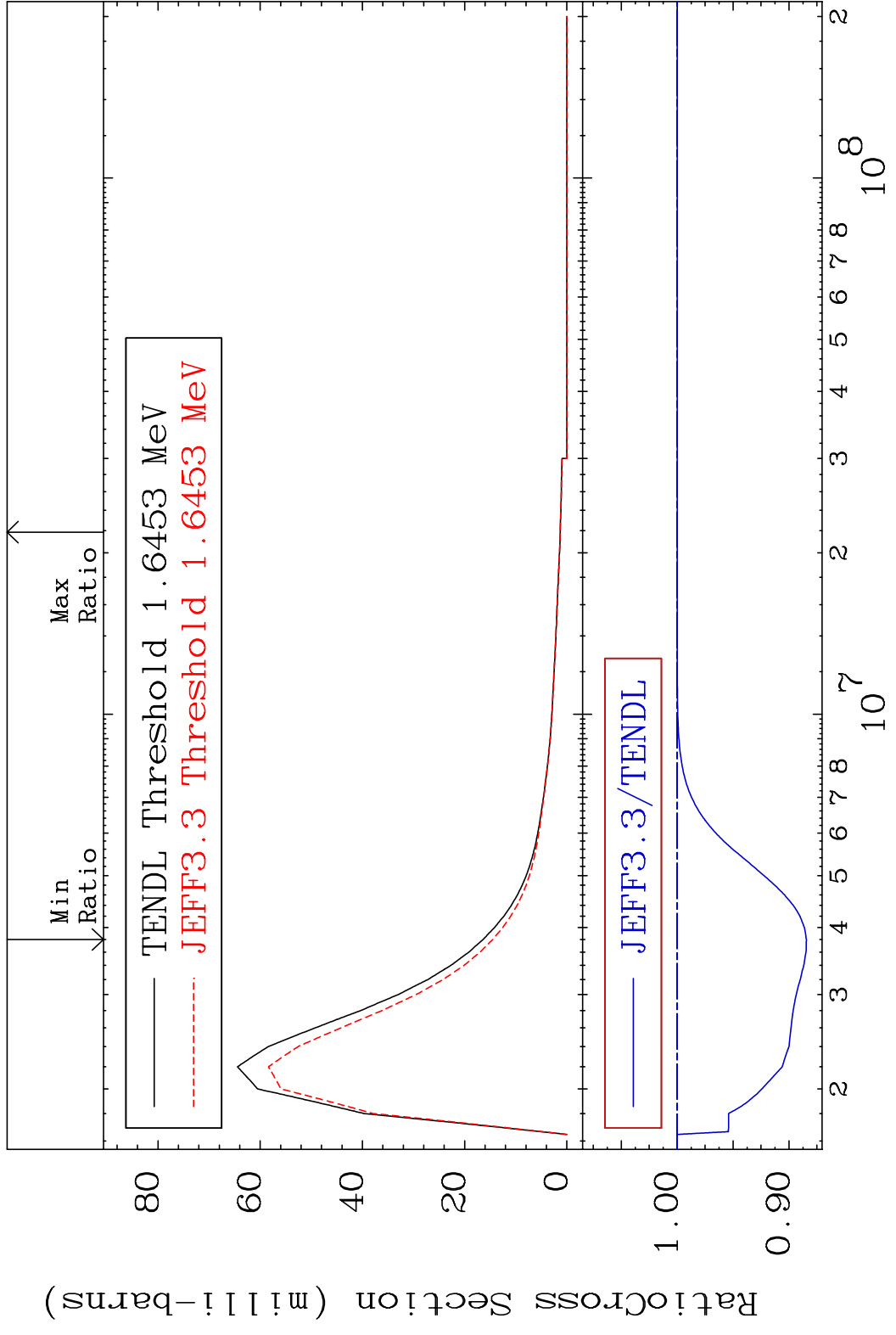
MT= 64 (n, n') Level

78-Pt-198

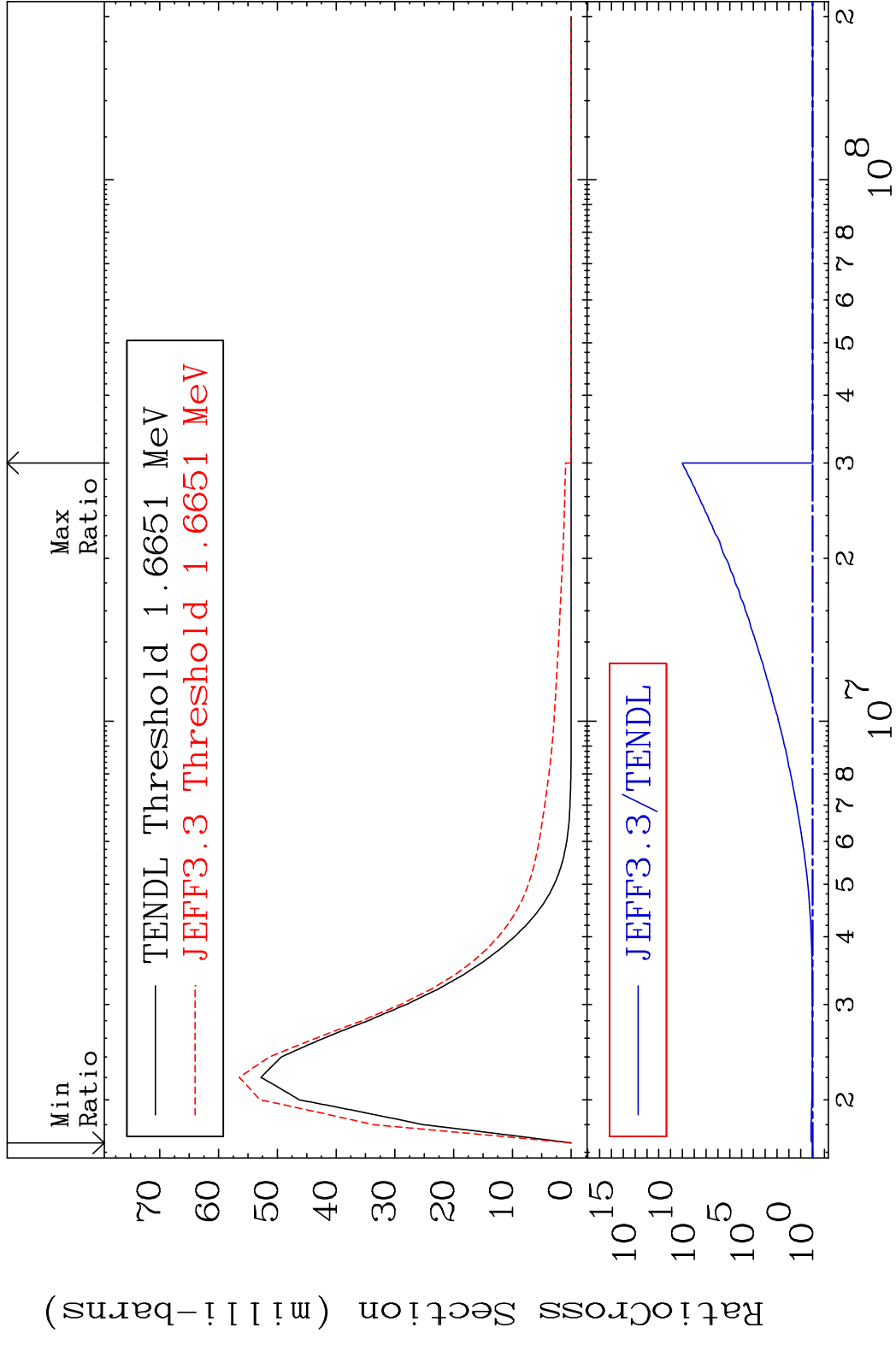
Cross Section -11.55 To 0.000 %



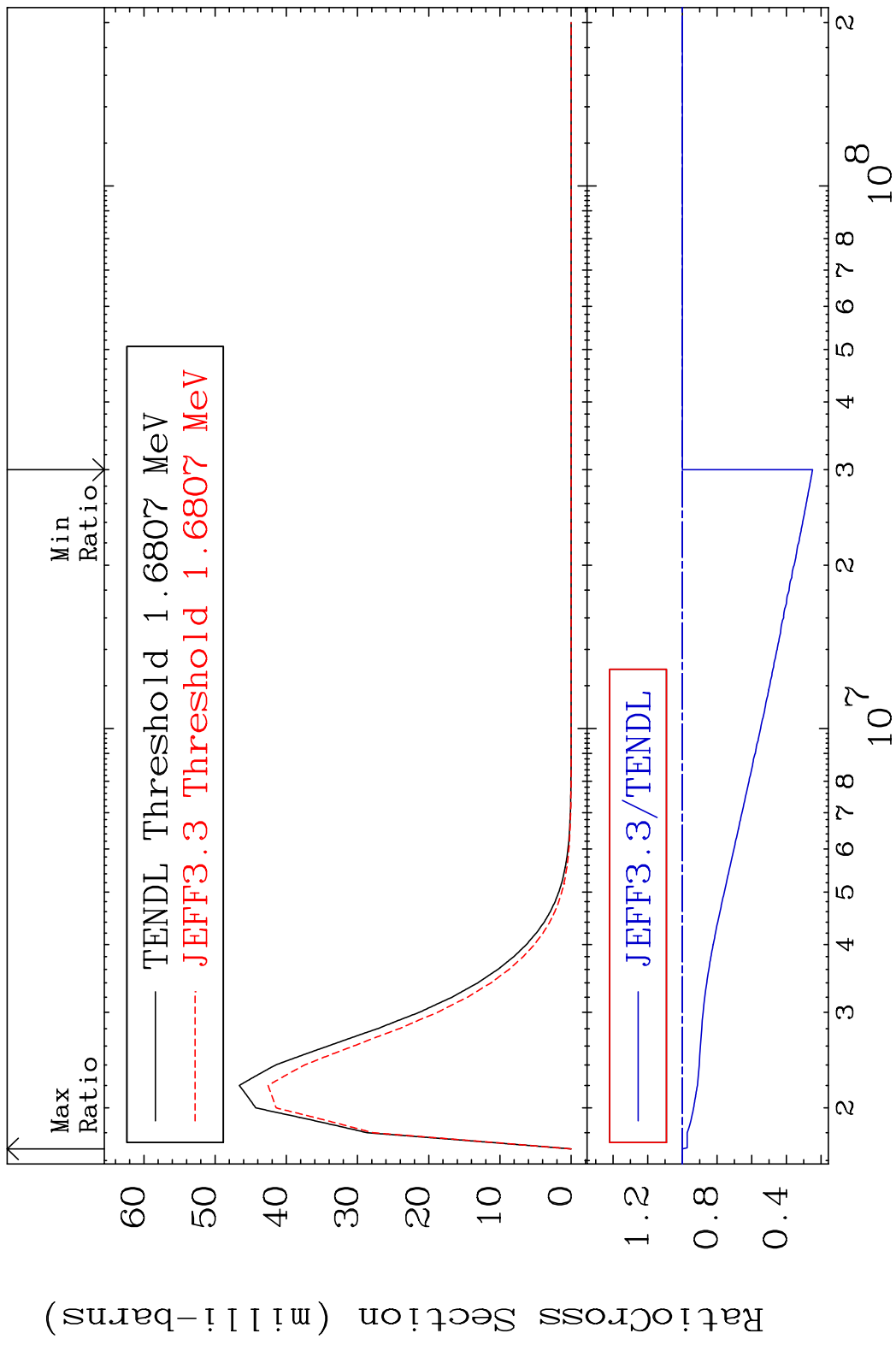
MAT 7849 MT= 65 (n, n') Level 78-Pt-198
 Cross Section -11.56 To 0.000 %



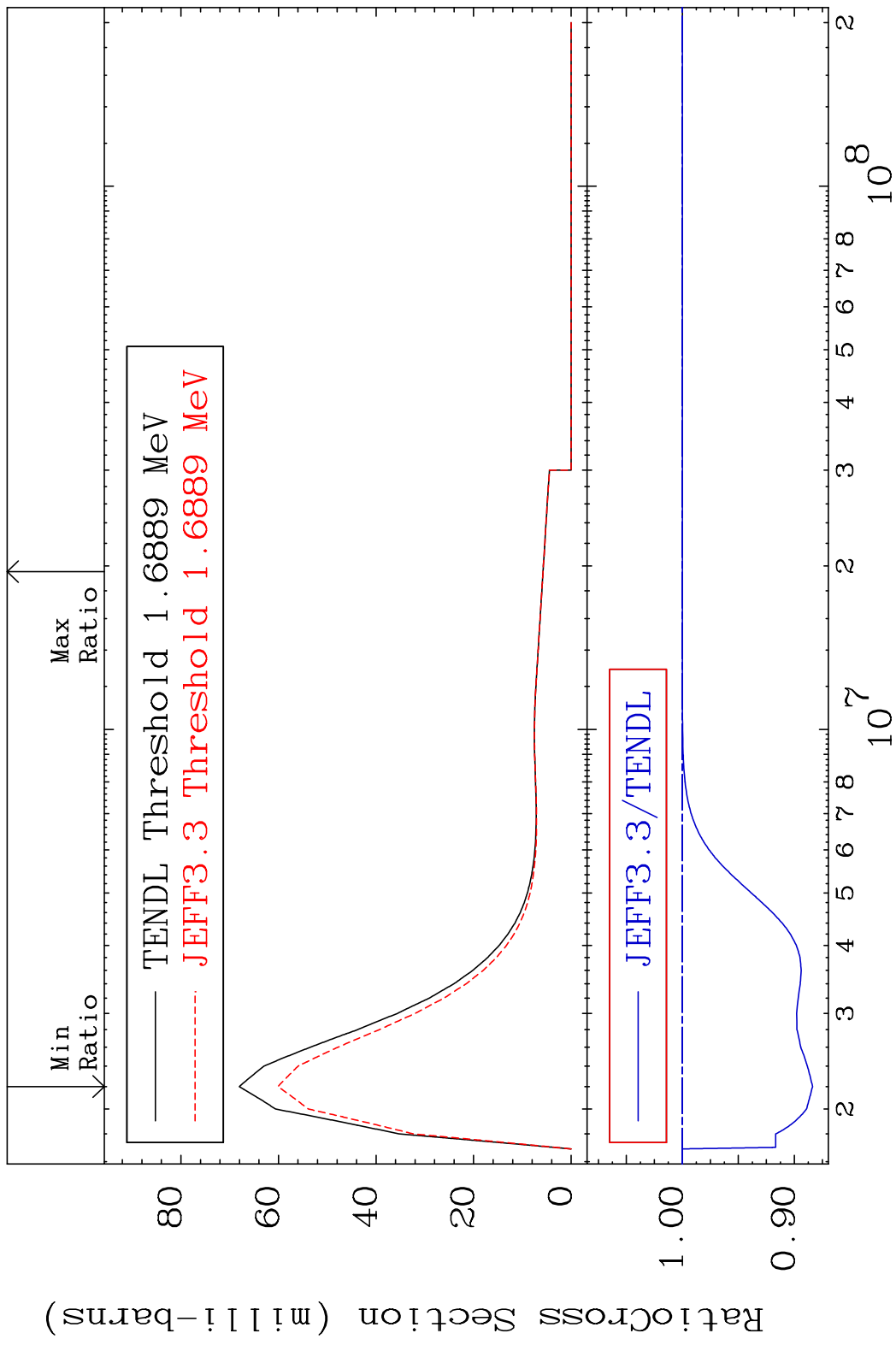
MAT 7849 MT= 66 (n,n') Level 78-Pt-198
 Cross Section 0.000 To 9999. %



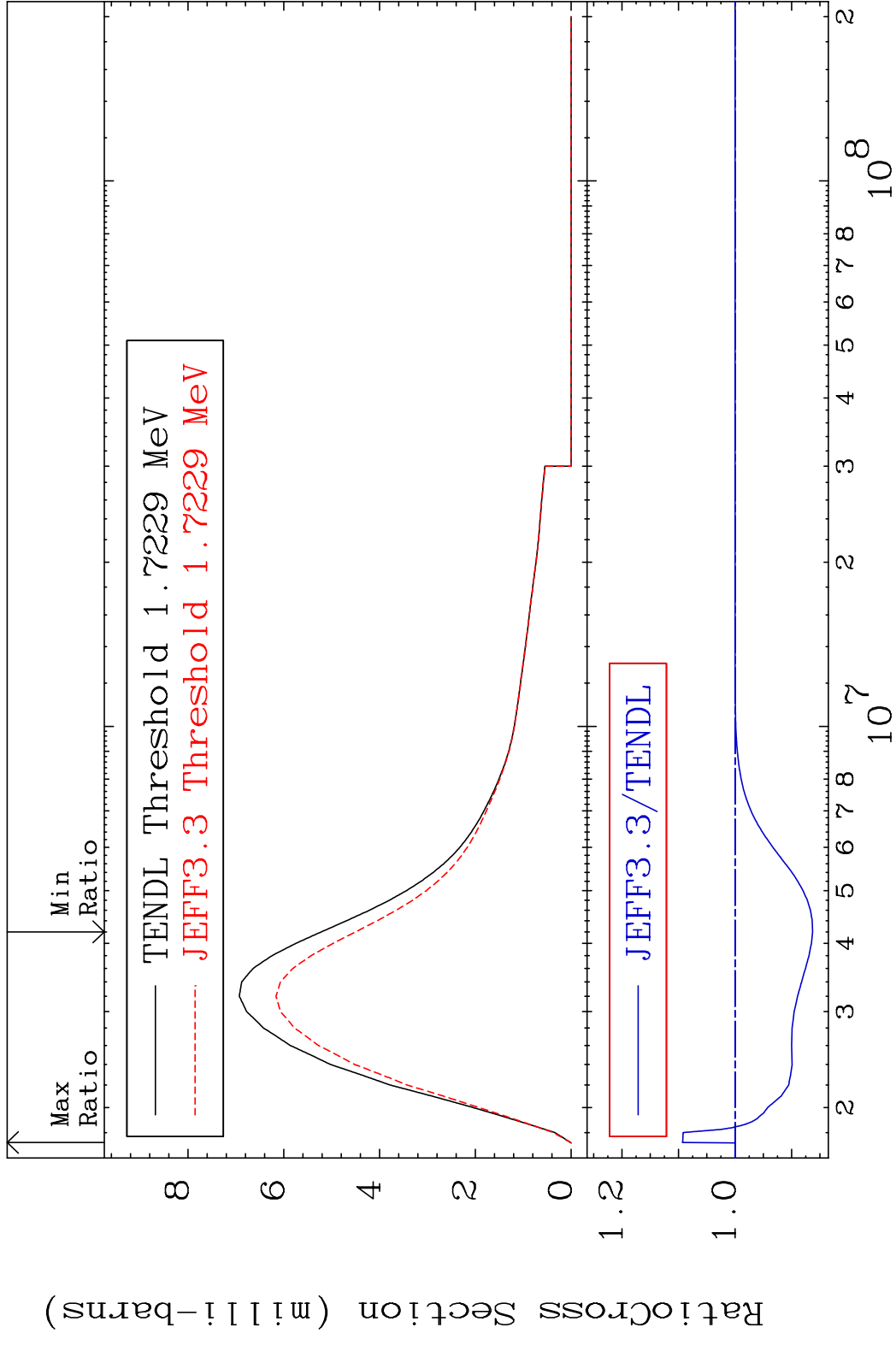
MAT 7849 MT= 67 (n, n') Level 78-Pt-198
 Cross Section -75.13 To 0.000 %



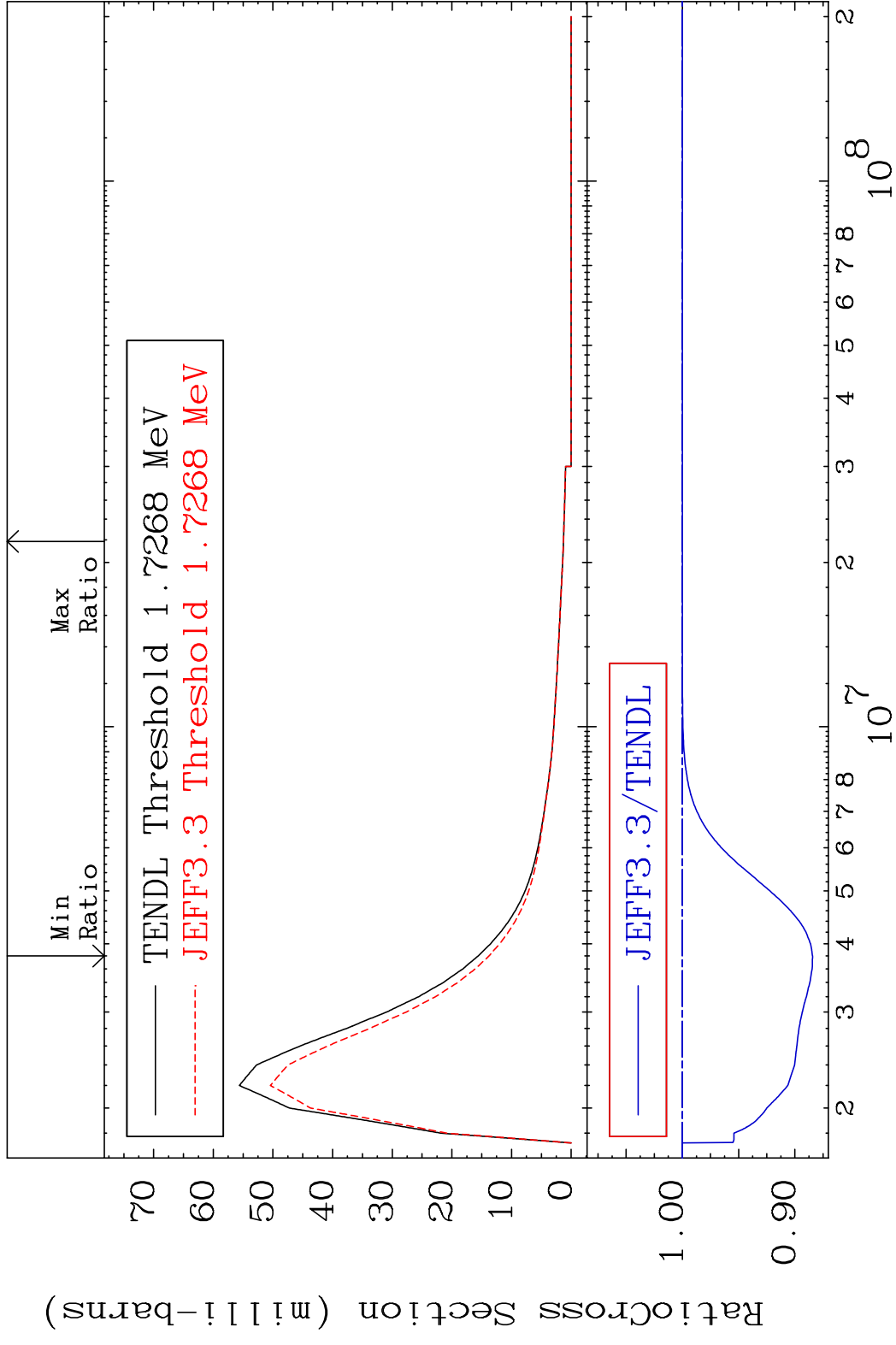
MAT 7849 MT= 68 (n, n') Level 78-Pt-198
 Cross Section -11.63 To 0.000 %



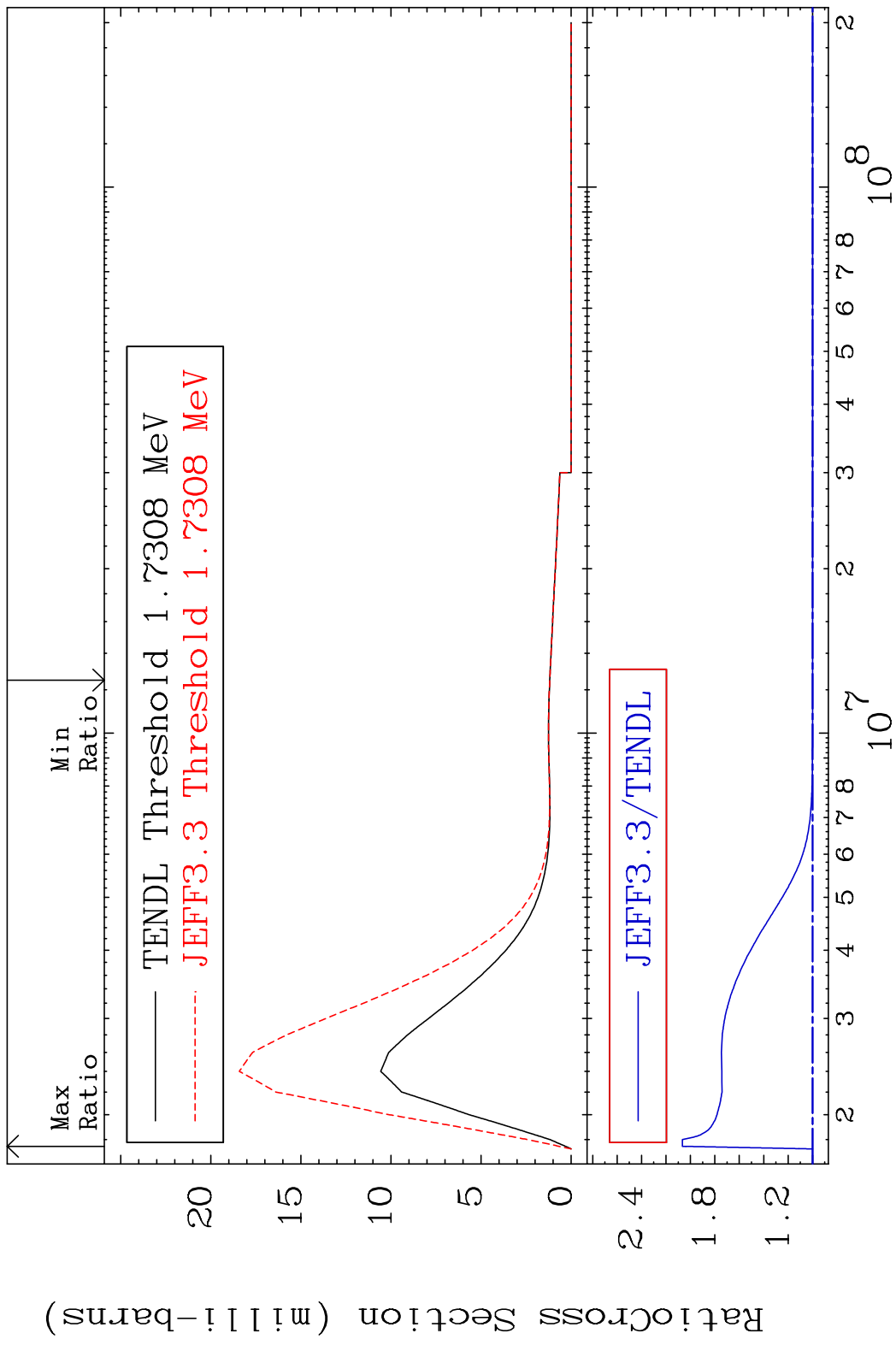
MAT 7849 MT= 69 (n, n') Level 78-Pt-198
 Cross Section -13.71 To 9.309 %



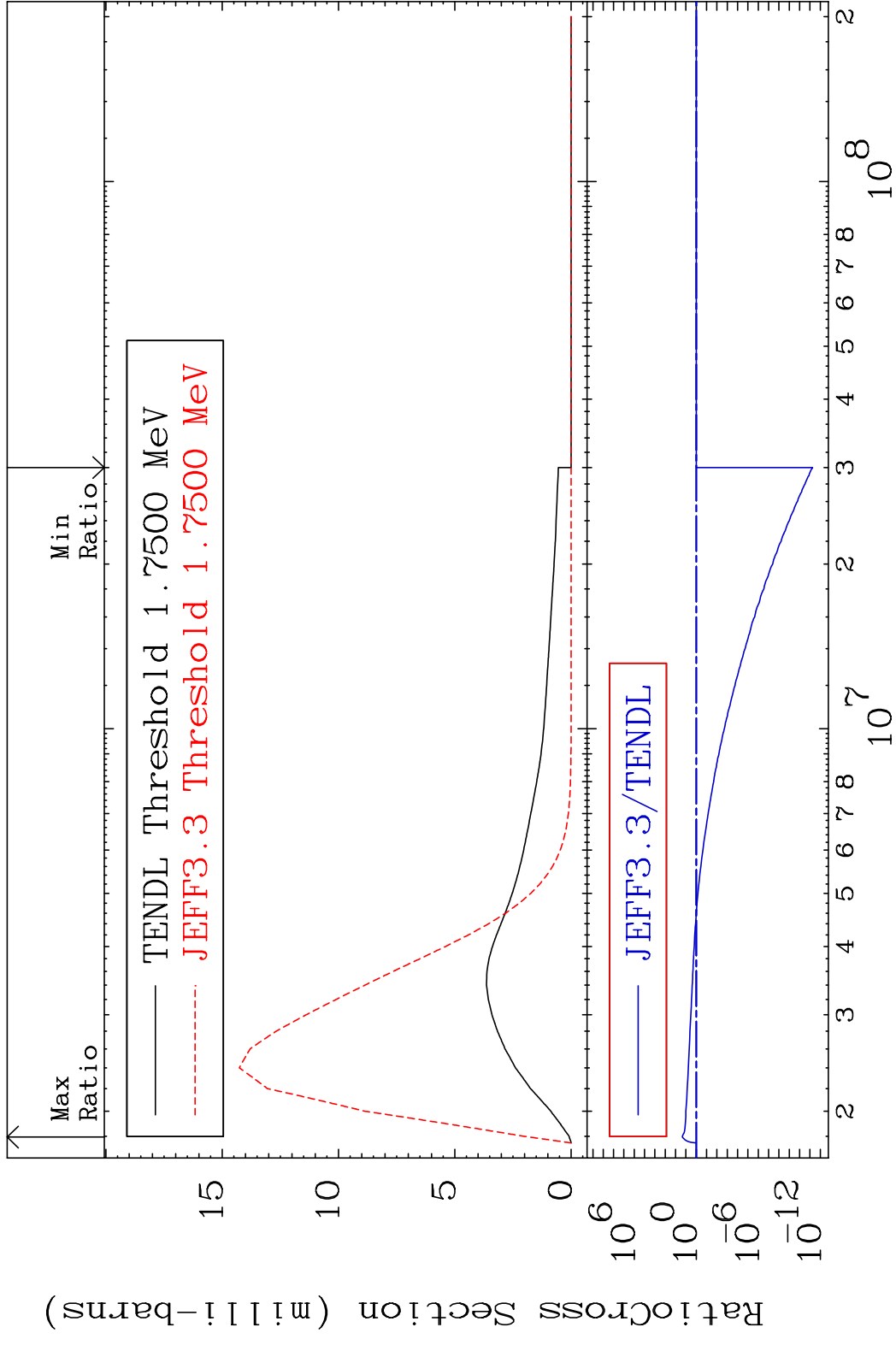
MAT 7849 MT= 70 (n, n') Level 78-Pt-198
 Cross Section -11.57 To 0.000 %



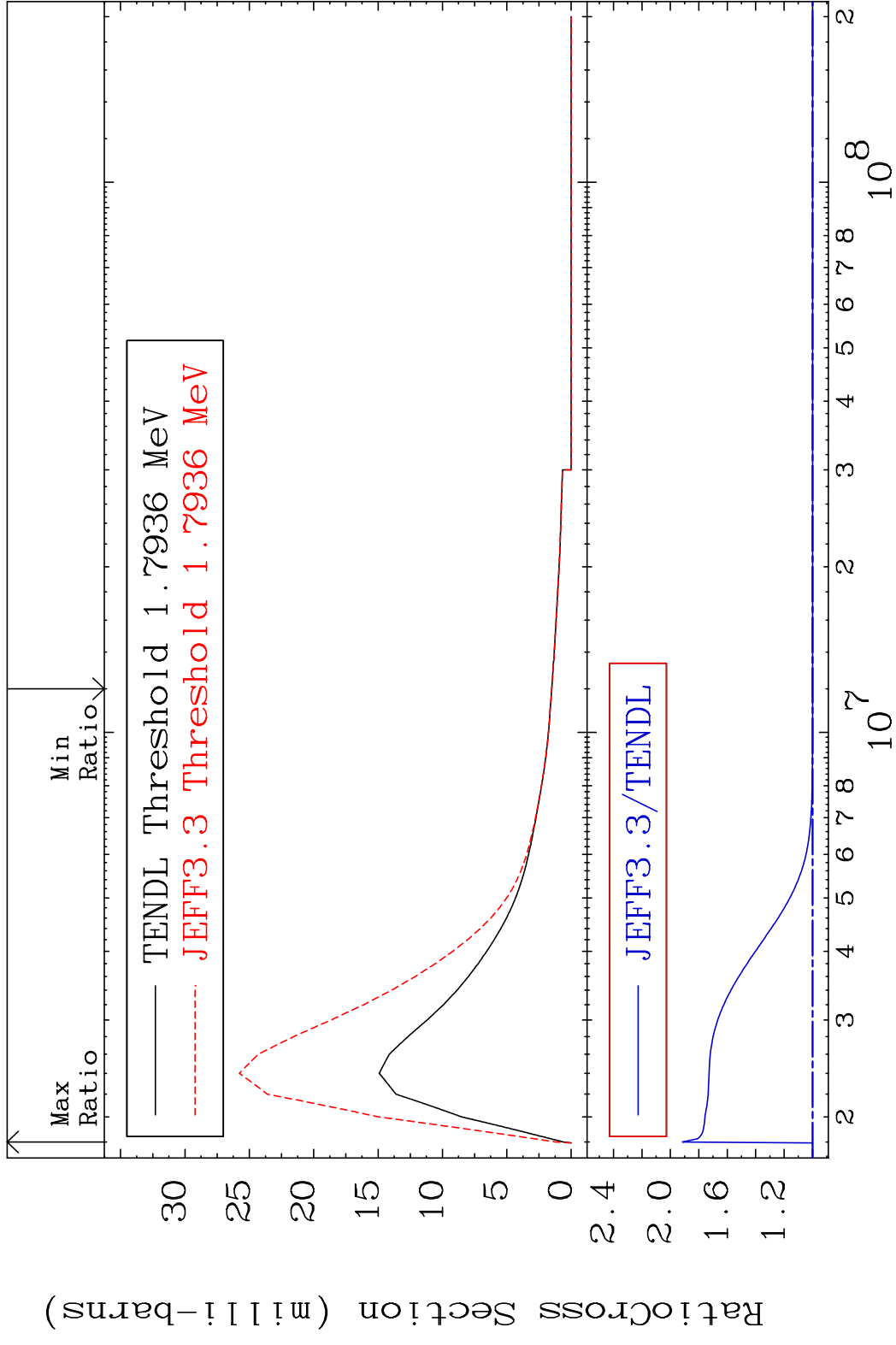
MAT 7849 MT= 71 (n, n') Level 78-Pt-198
 Cross Section 0.000 To 106.6 %



MAT 7849 MT= 72 (n, n') Level 78-Pt-198
 Cross Section -100.0 To 2104. %

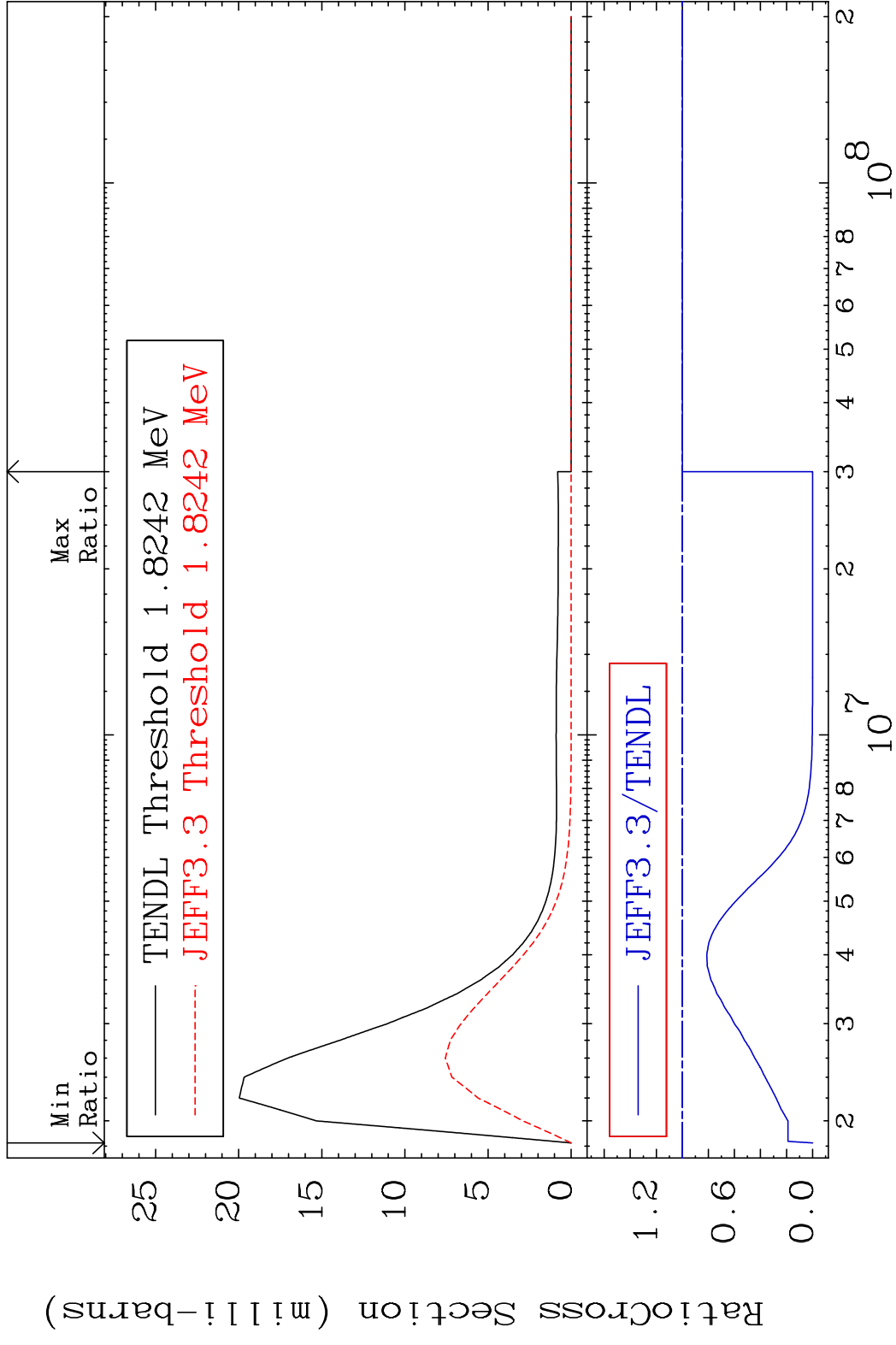


MAT 7849 MT= 73 (n, n') Level 78-Pt-198
 Cross Section 0.000 To 91.60 %

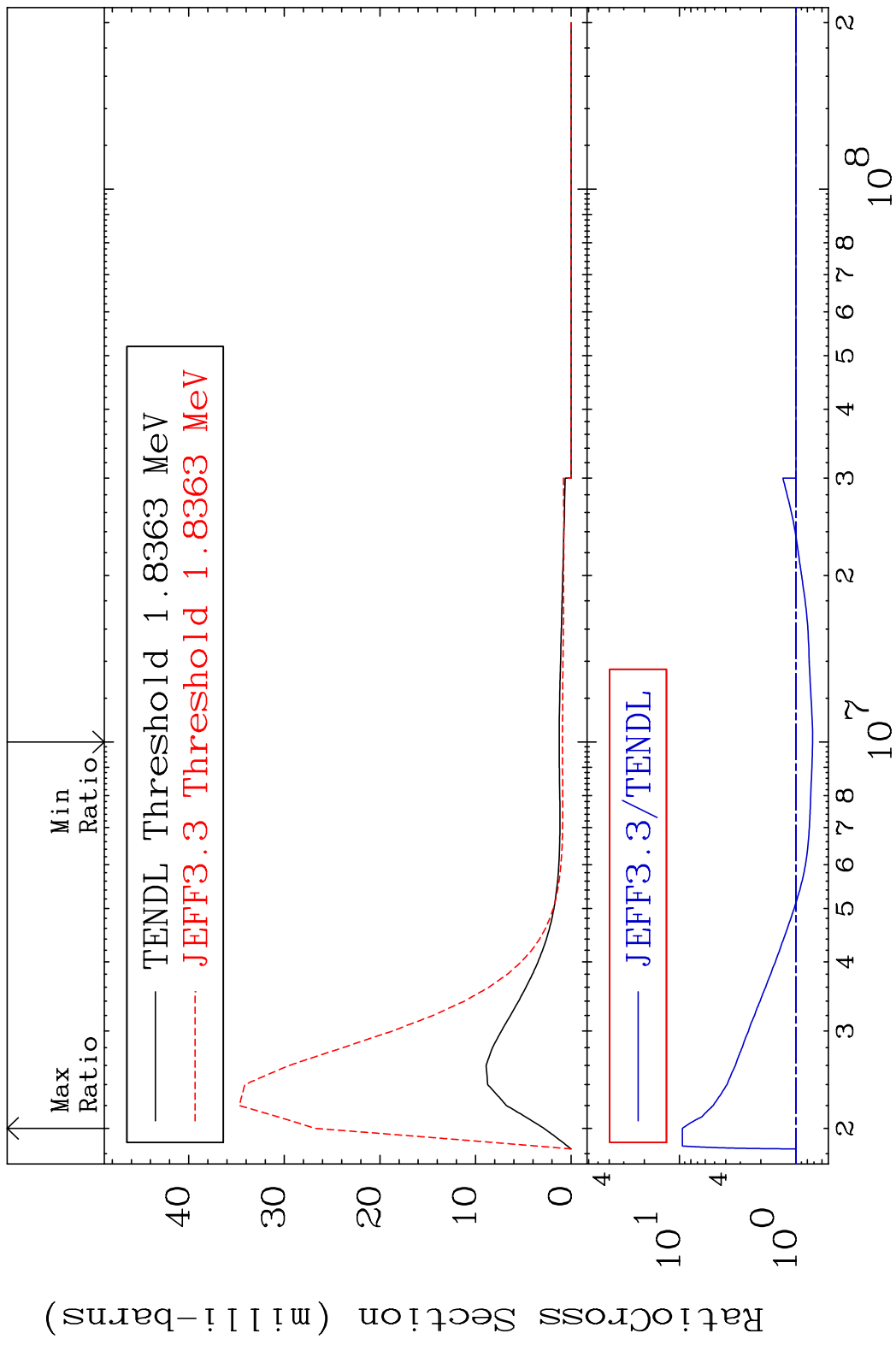


40 Incident Energy (eV) 78-Pt-198

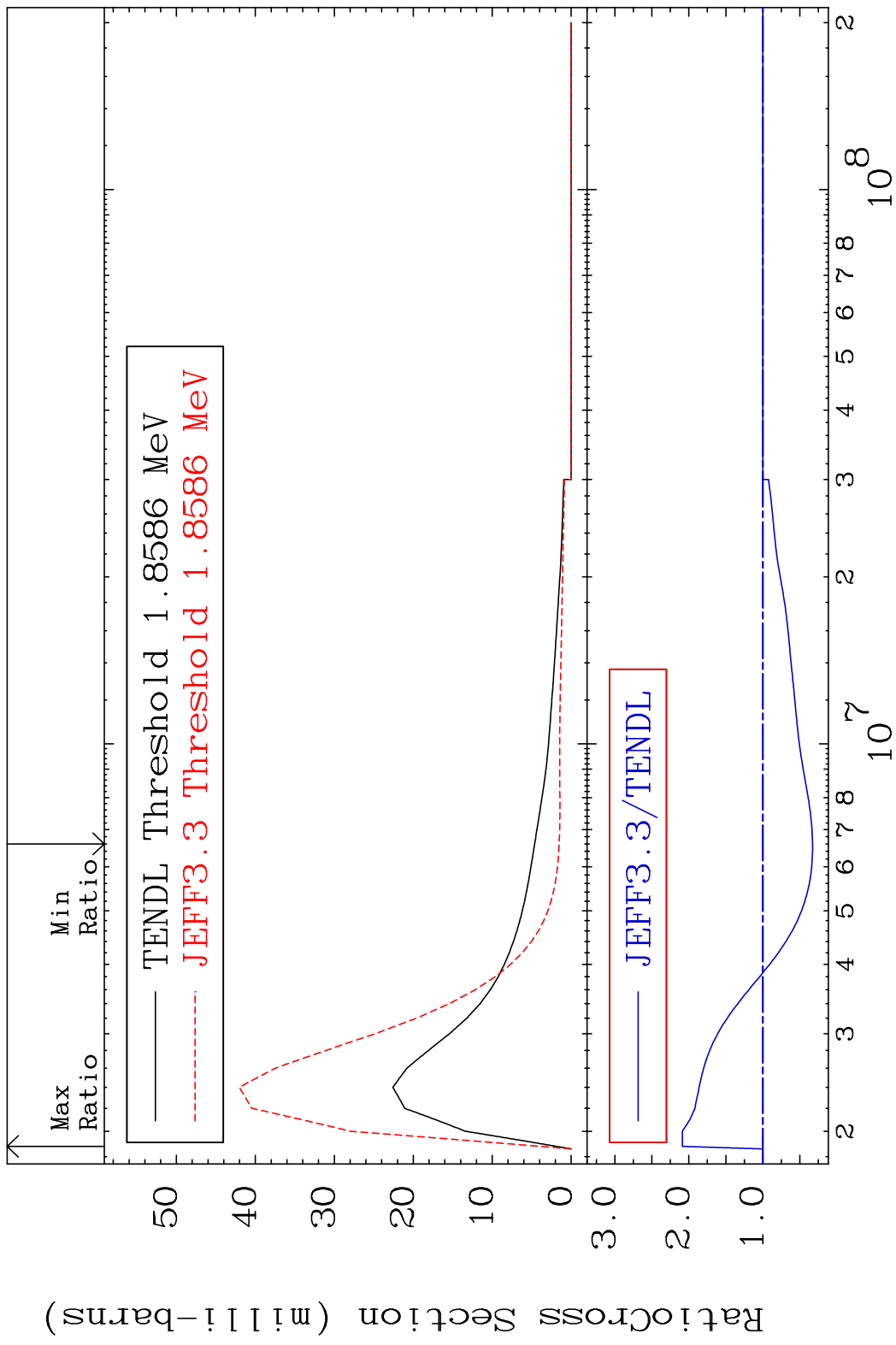
MAT 7849 MT= 74 (n, n') Level 78-Pt-198
 Cross Section -100.0 To 0.000 %



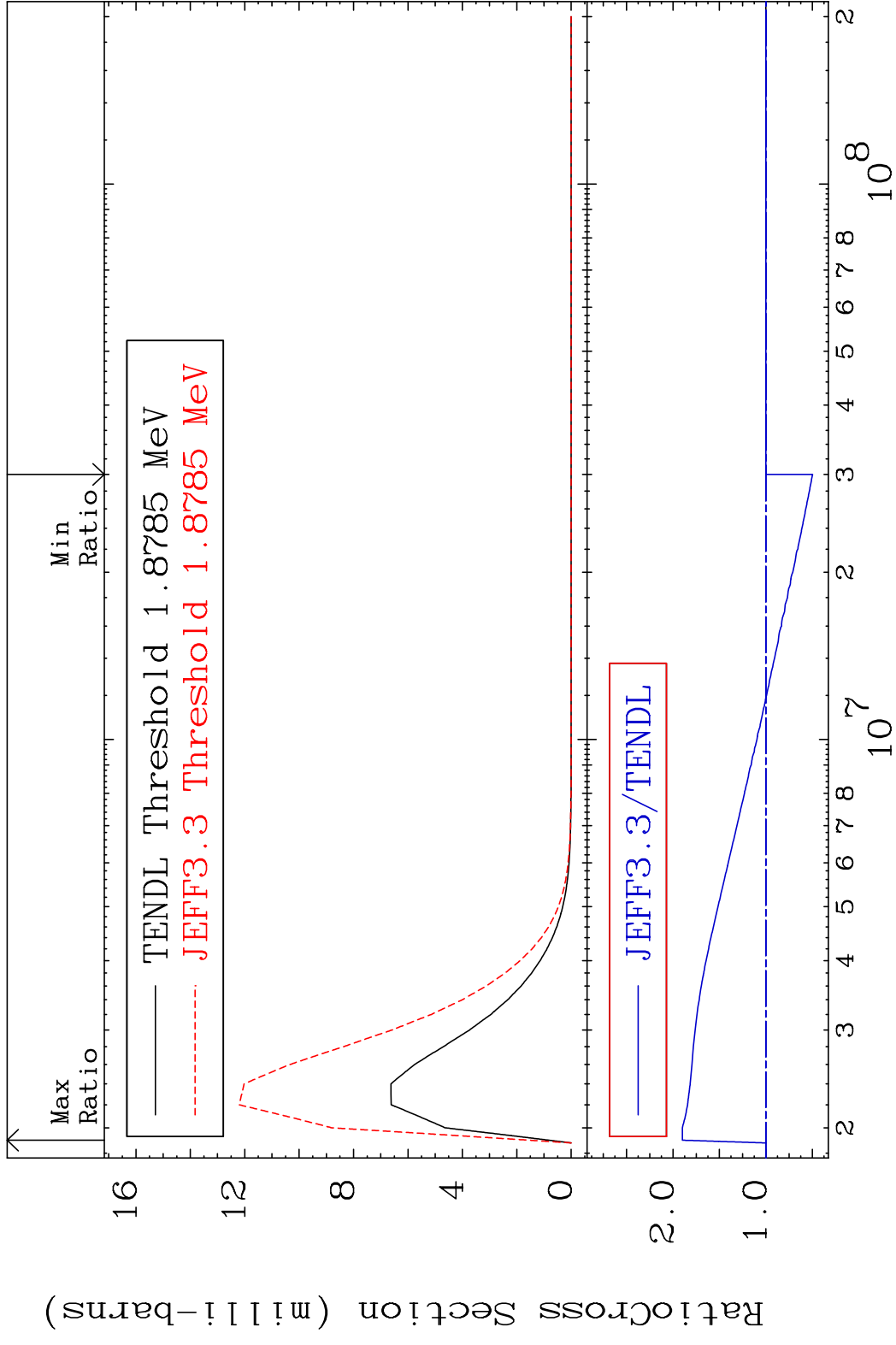
MAT 7849 MT= 75 (n,n') Level 78-Pt-198
 Cross Section -27.88 To 843.7 %



MAT 7849 MT= 76 (n,n') Level 78-Pt-198
 Cross Section -67.13 To 108.8 %

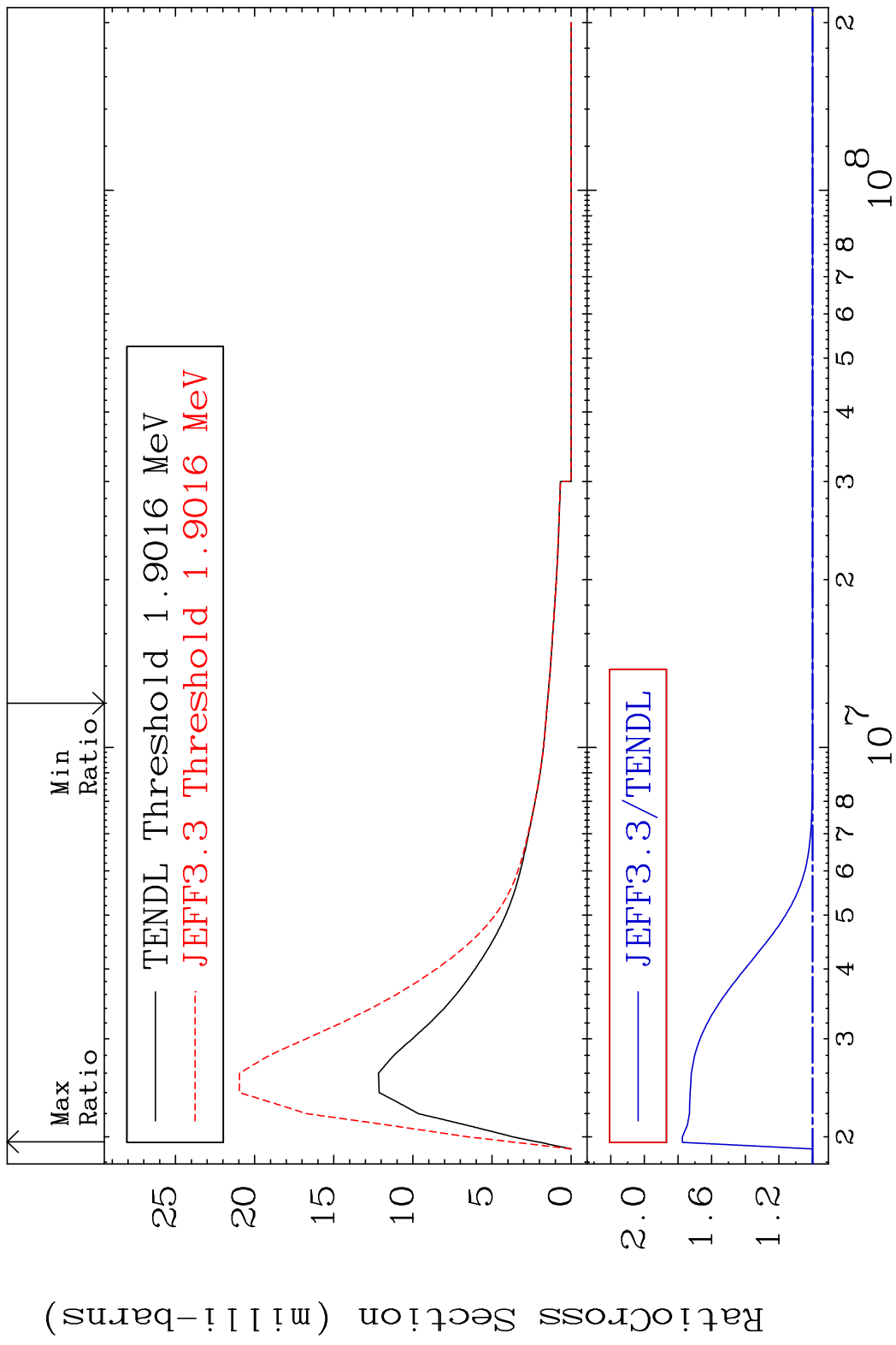


MAT 7849 MT= 77 (n,n') Level 78-Pt-198
 Cross Section -50.25 To 89.91 %

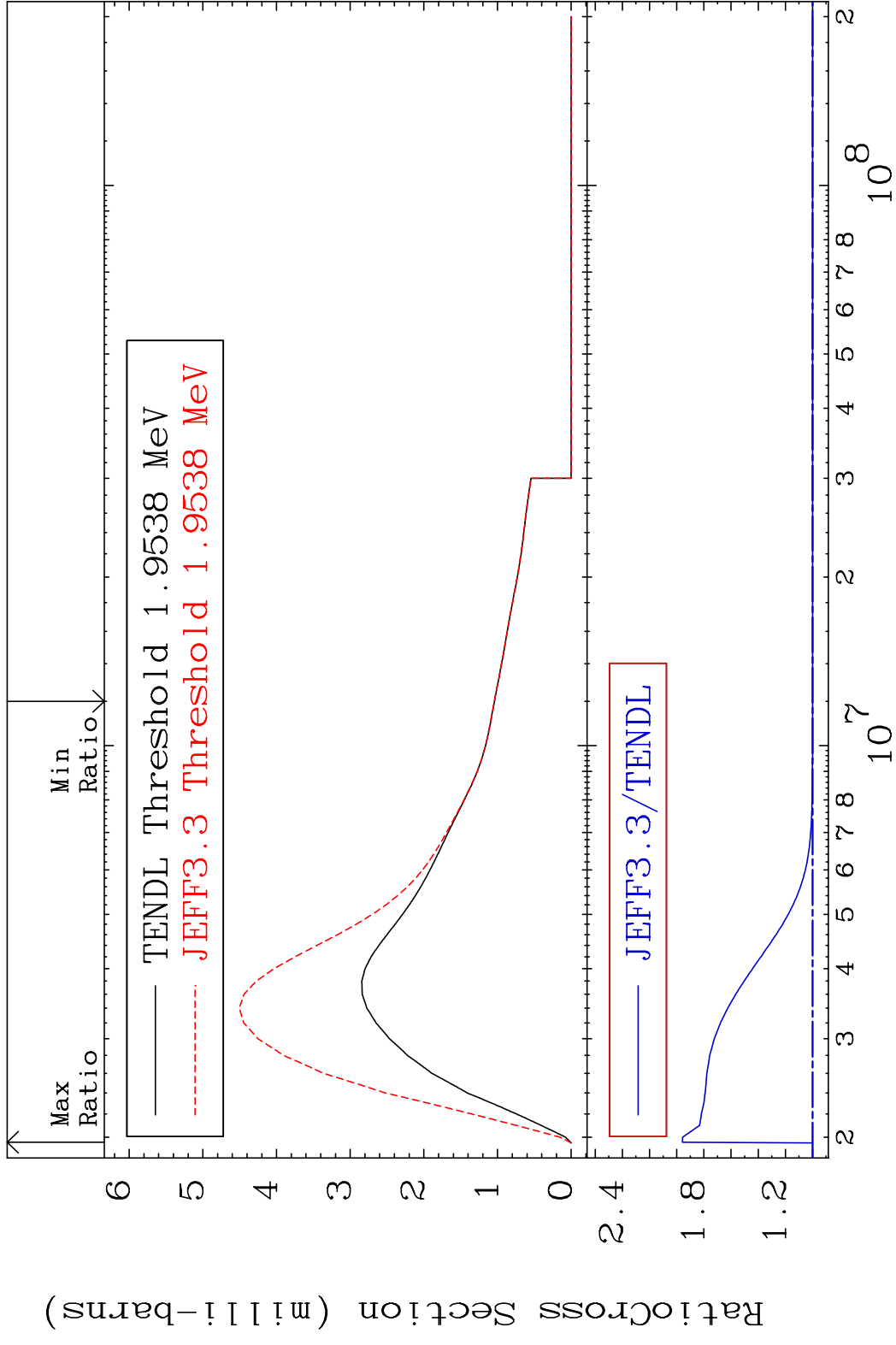


44 Incident Energy (eV) 78-Pt-198

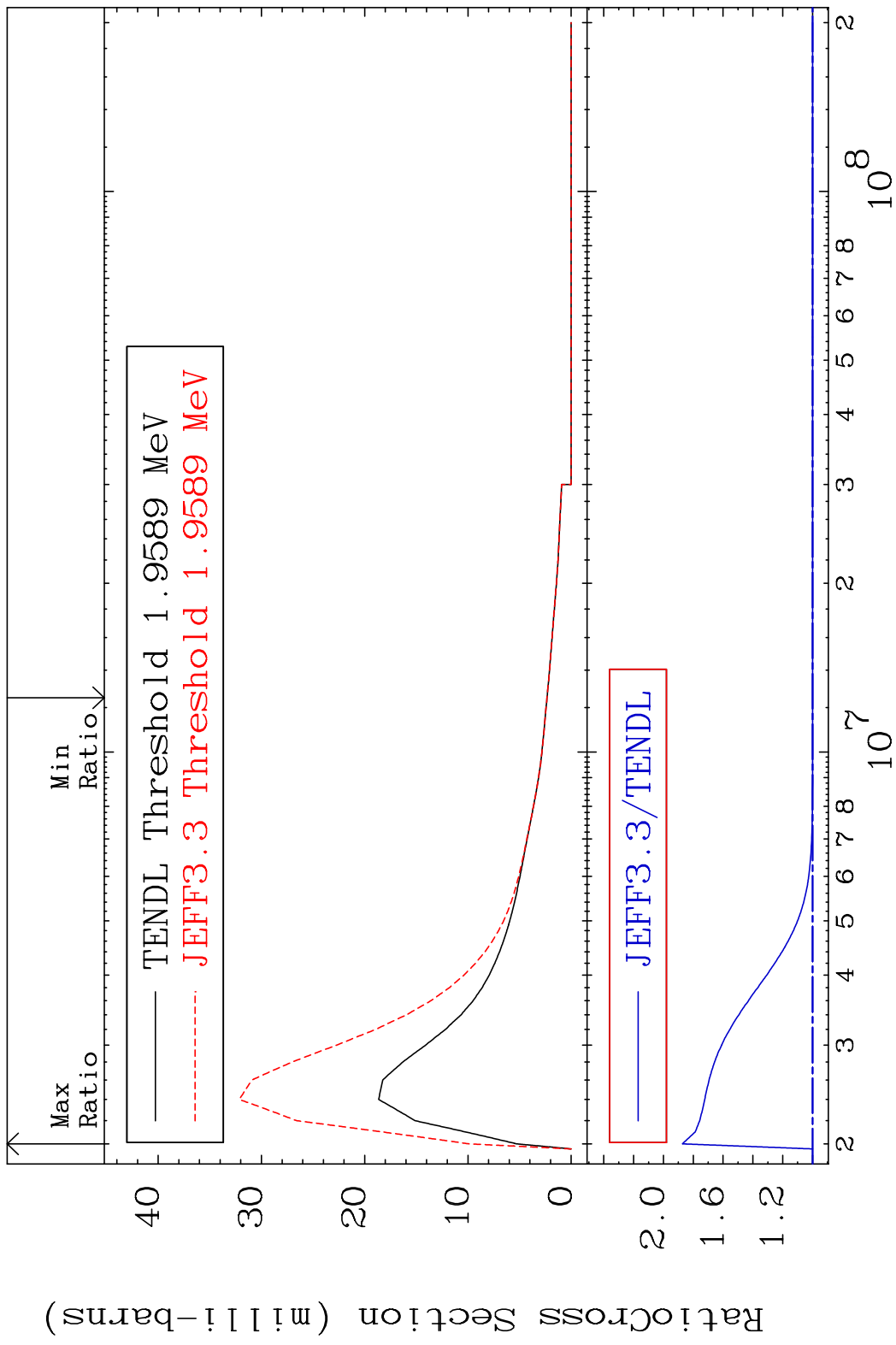
MAT 7849 MT= 78 (n,n') Level 78-Pt-198
 Cross Section 0.000 To 77.43 %



MAT 7849 MT= 79 (n, n') Level 78-Pt-198
 Cross Section 0.000 To 95.85 %



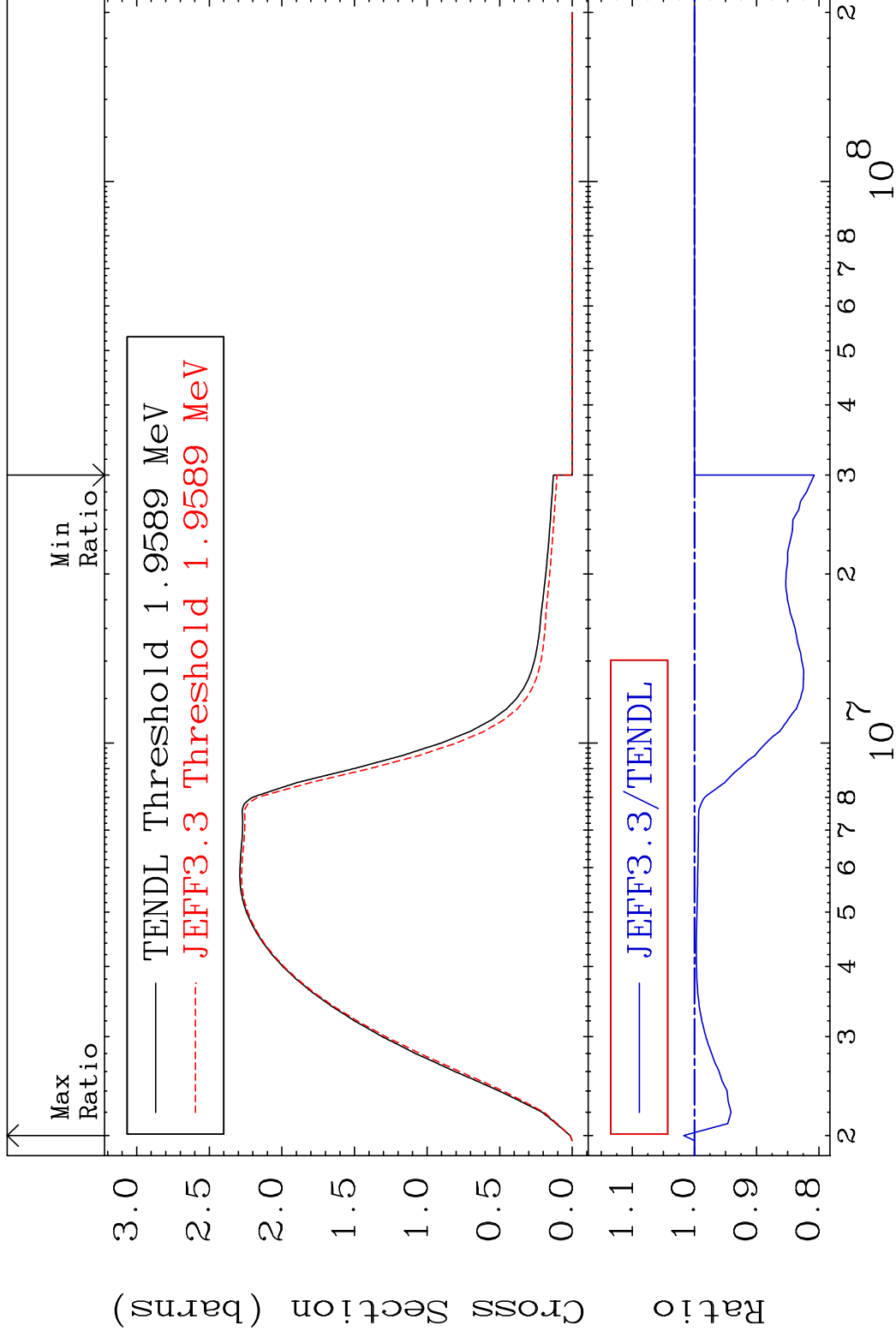
MAT 7849 MT= 80 (n, n') Level 78-Pt-198
 Cross Section 0.000 To 87.32 %



MAT 7849

(n,n') Continuum
Cross Section -19.24 To 1.730 %

78-Pt-198



48

Incident Energy (eV)

78-Pt-198

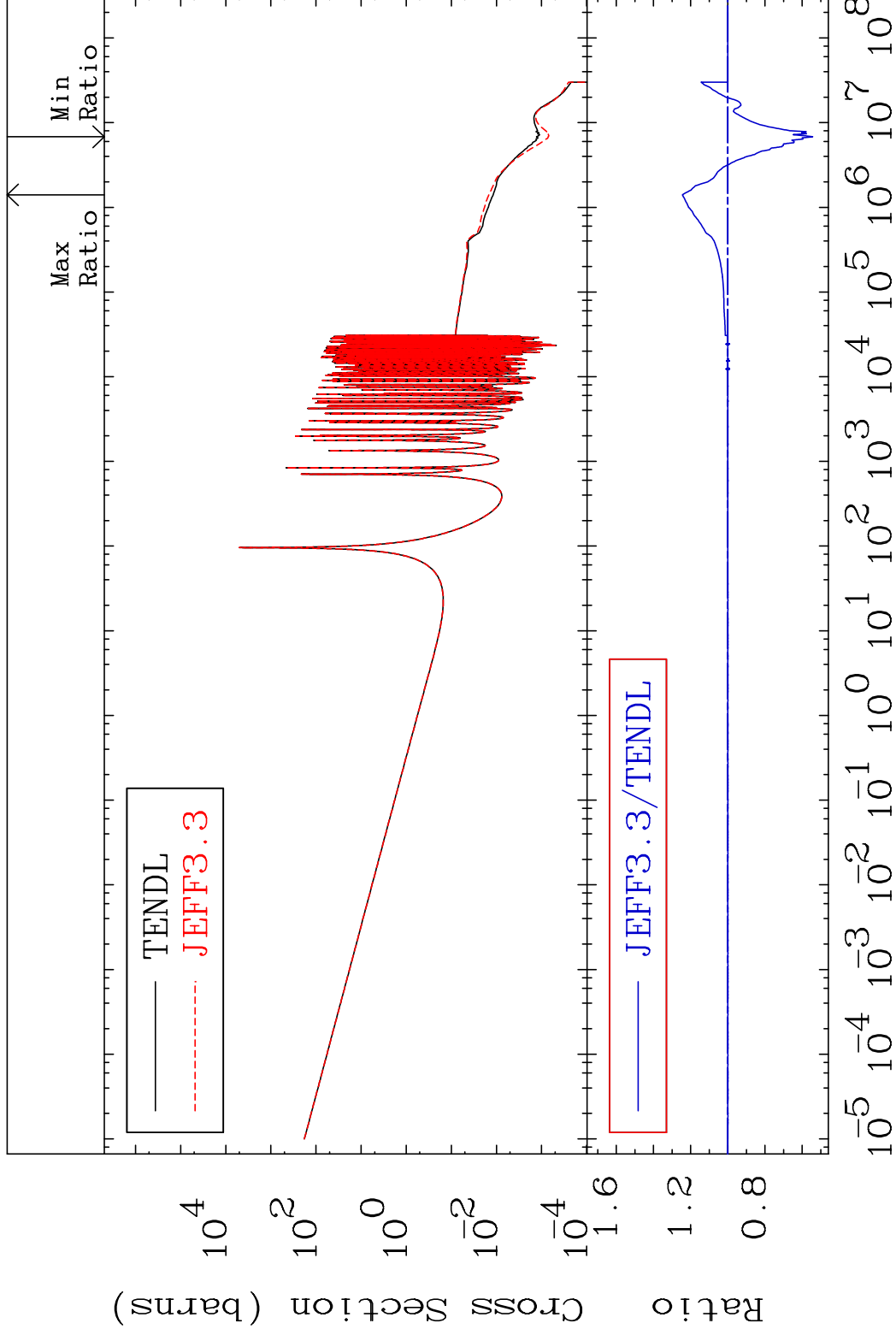
MAT 7849

(n, γ)

78-Pt-198

Cross Section

-45.57 To 24.47 %



49

Incident Energy (eV)

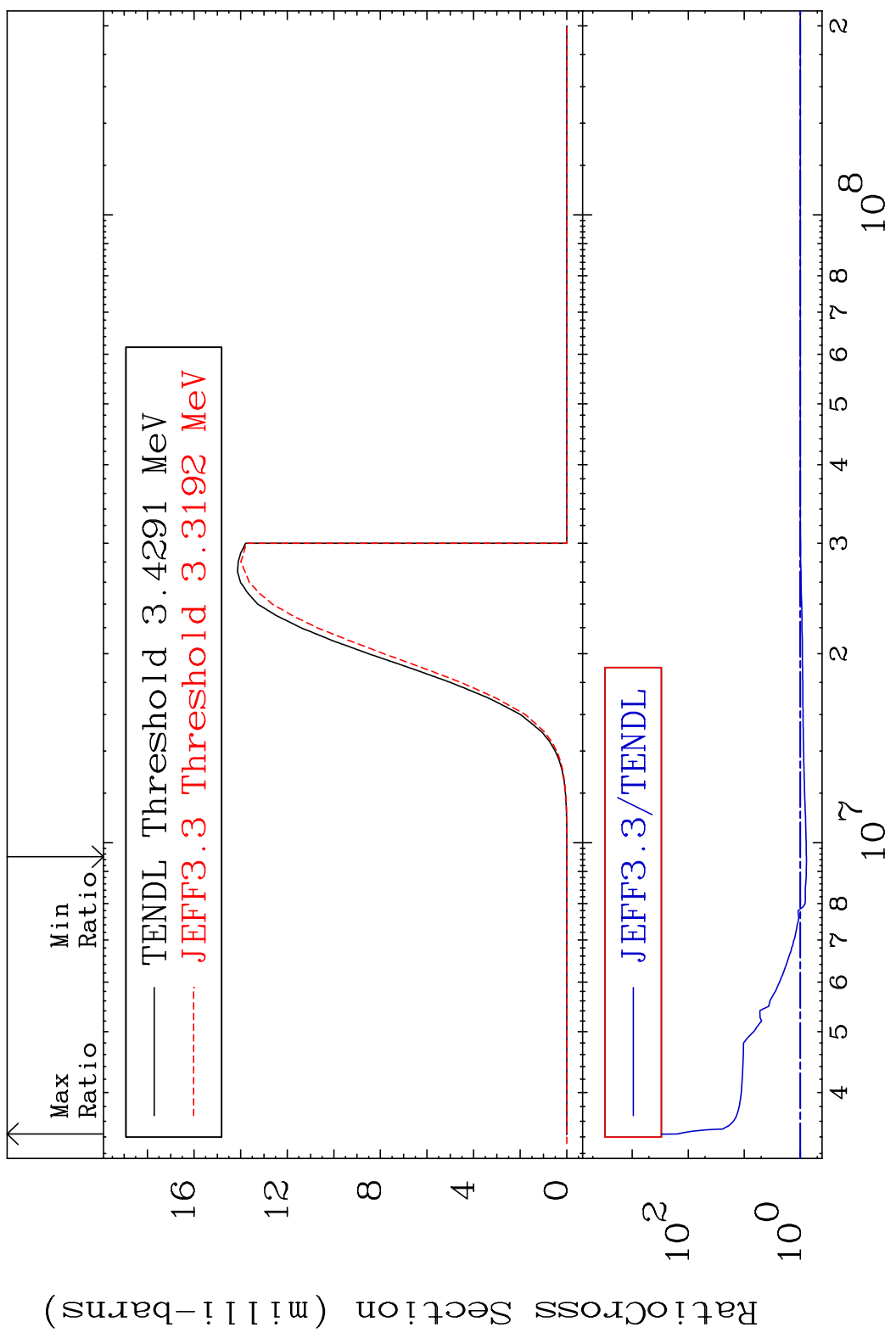
78-Pt-198

MAT 7849

(n,p)

78-Pt-198

Cross Section -21.70 To 9999. %

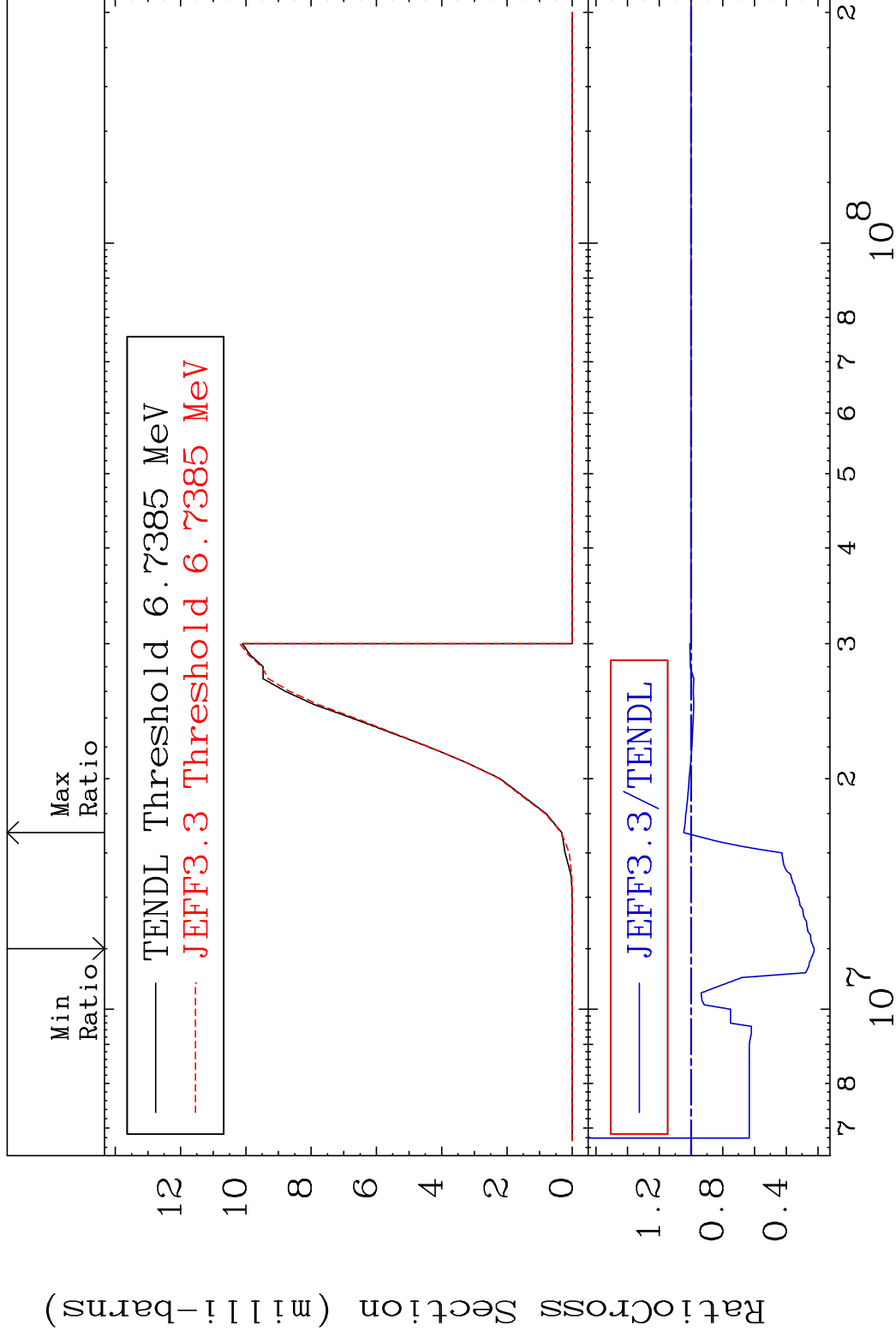


MAT 7849

(n, d)

78-Pt-198

Cross Section -77.58 To 4.654 %

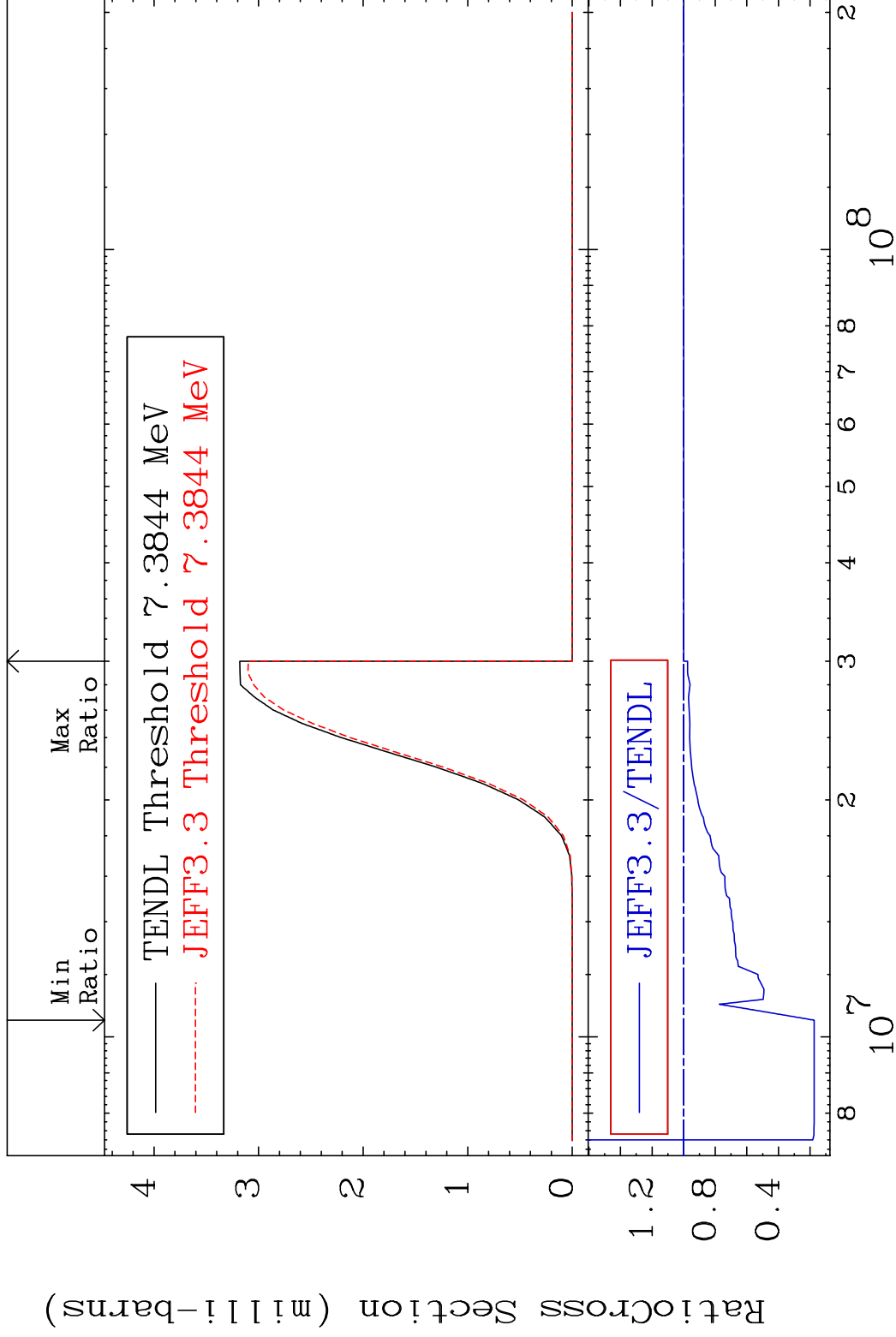


MAT 7849

(n, t)

78-Pt-198

Cross Section -82.56 To 0.000 %



52

Incident Energy (eV)

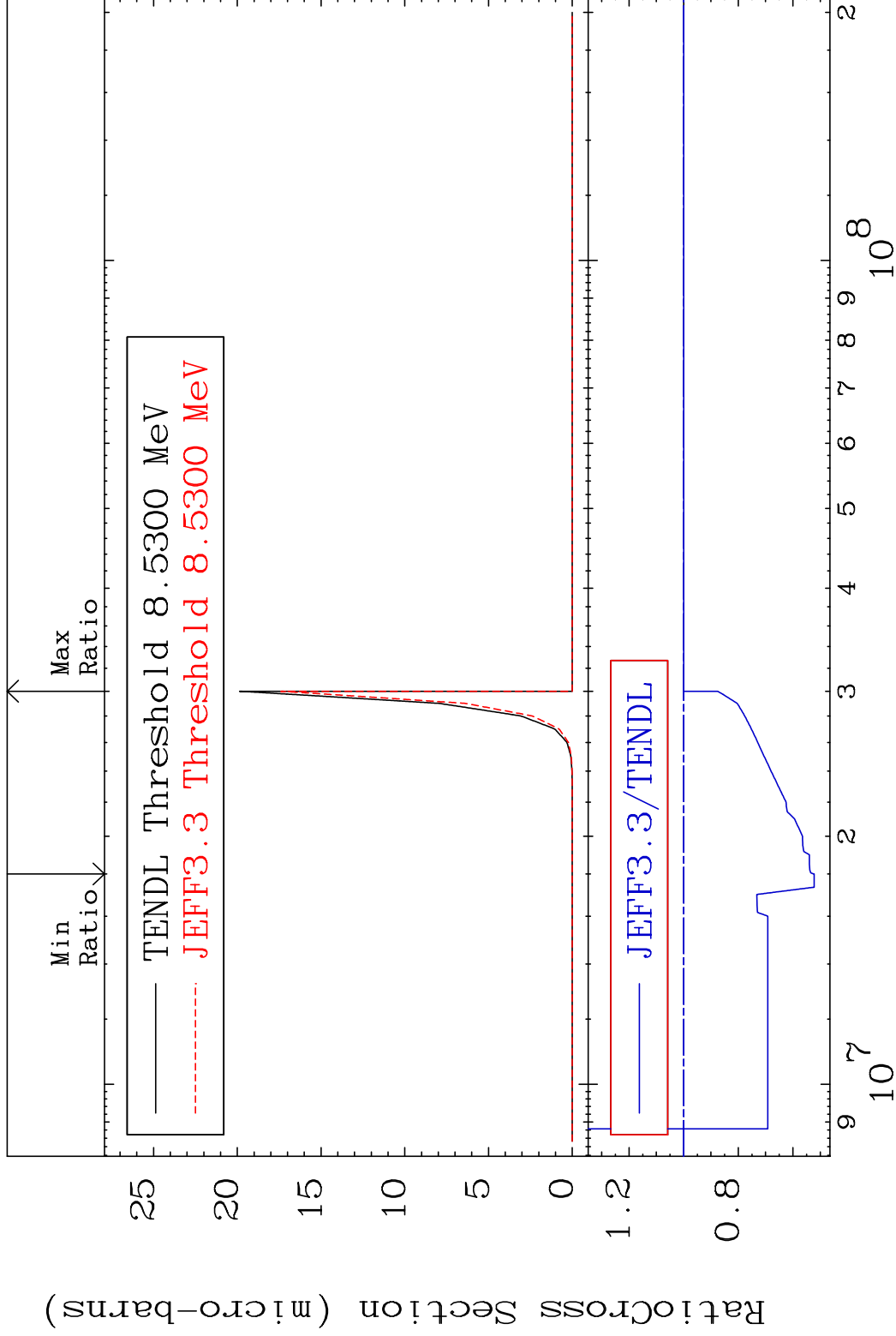
78-Pt-198

MAT 7849

(n, He-3)

78-Pt-198

Cross Section -47.76 To 0.000 %



53

Incident Energy (eV)

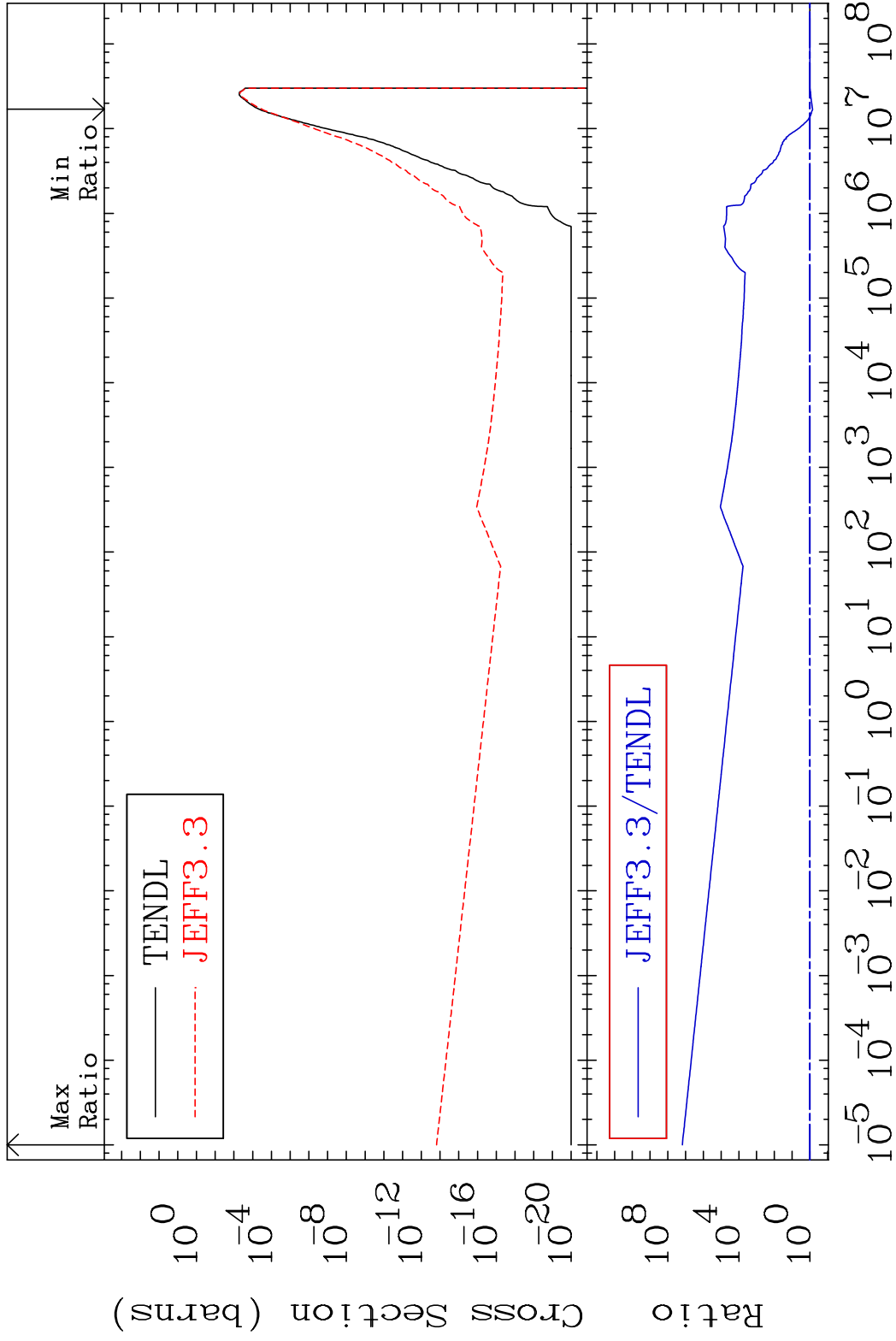
78-Pt-198

MAT 7849

(n, α)

78-Pt-198

Cross Section -29.25 To 9999. %

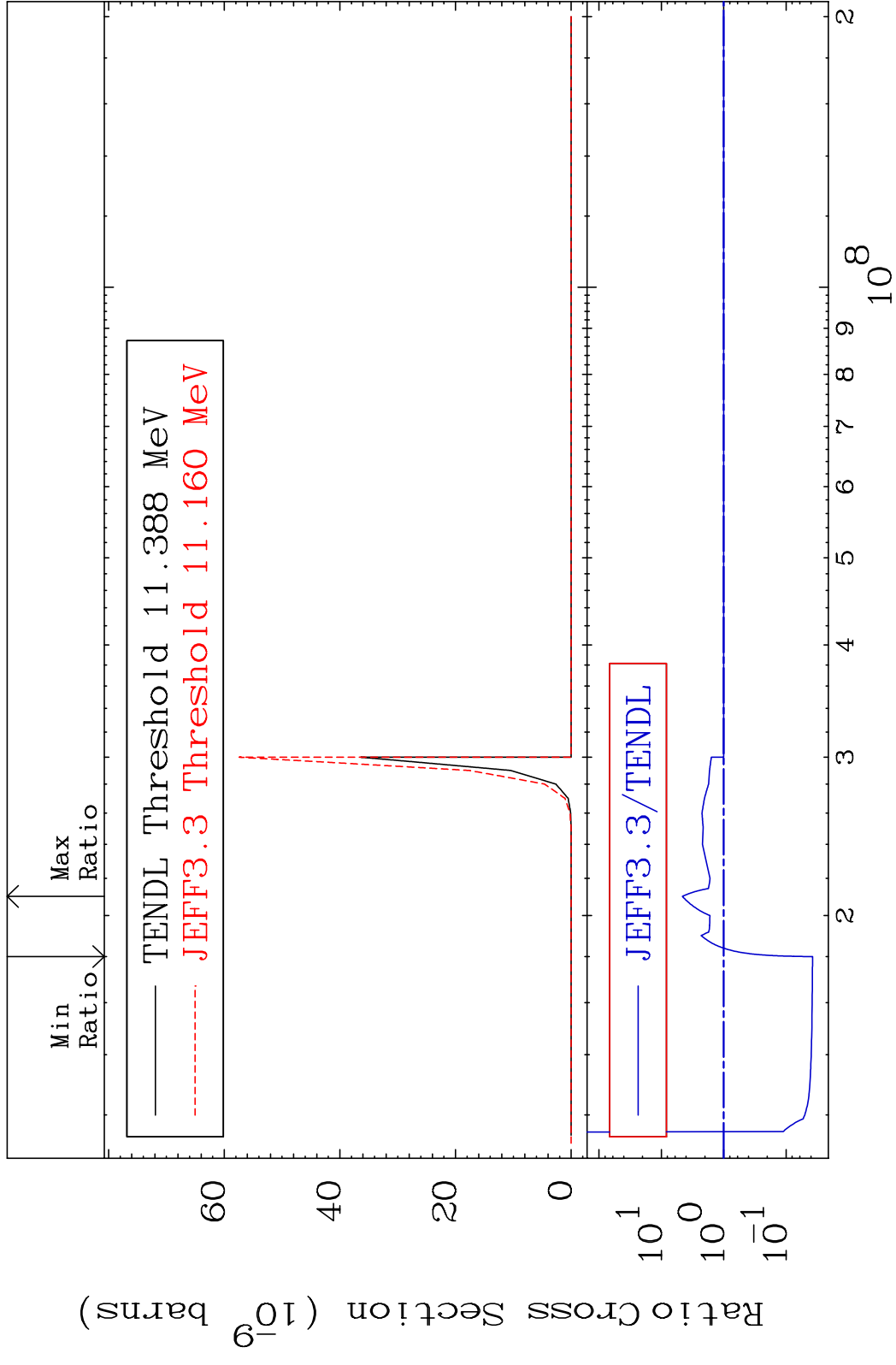


MAT 7849

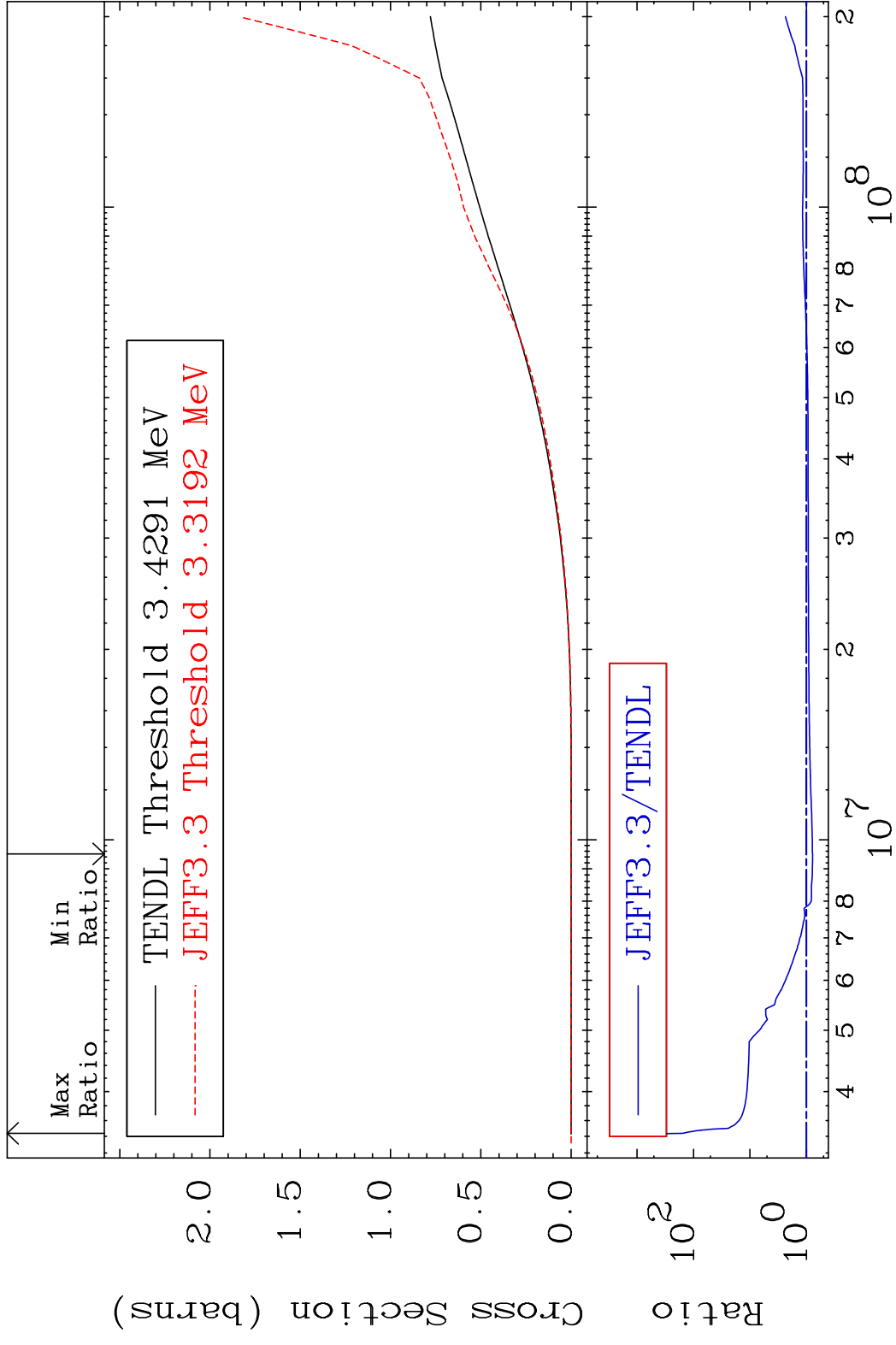
(n,2p)

78-Pt-198

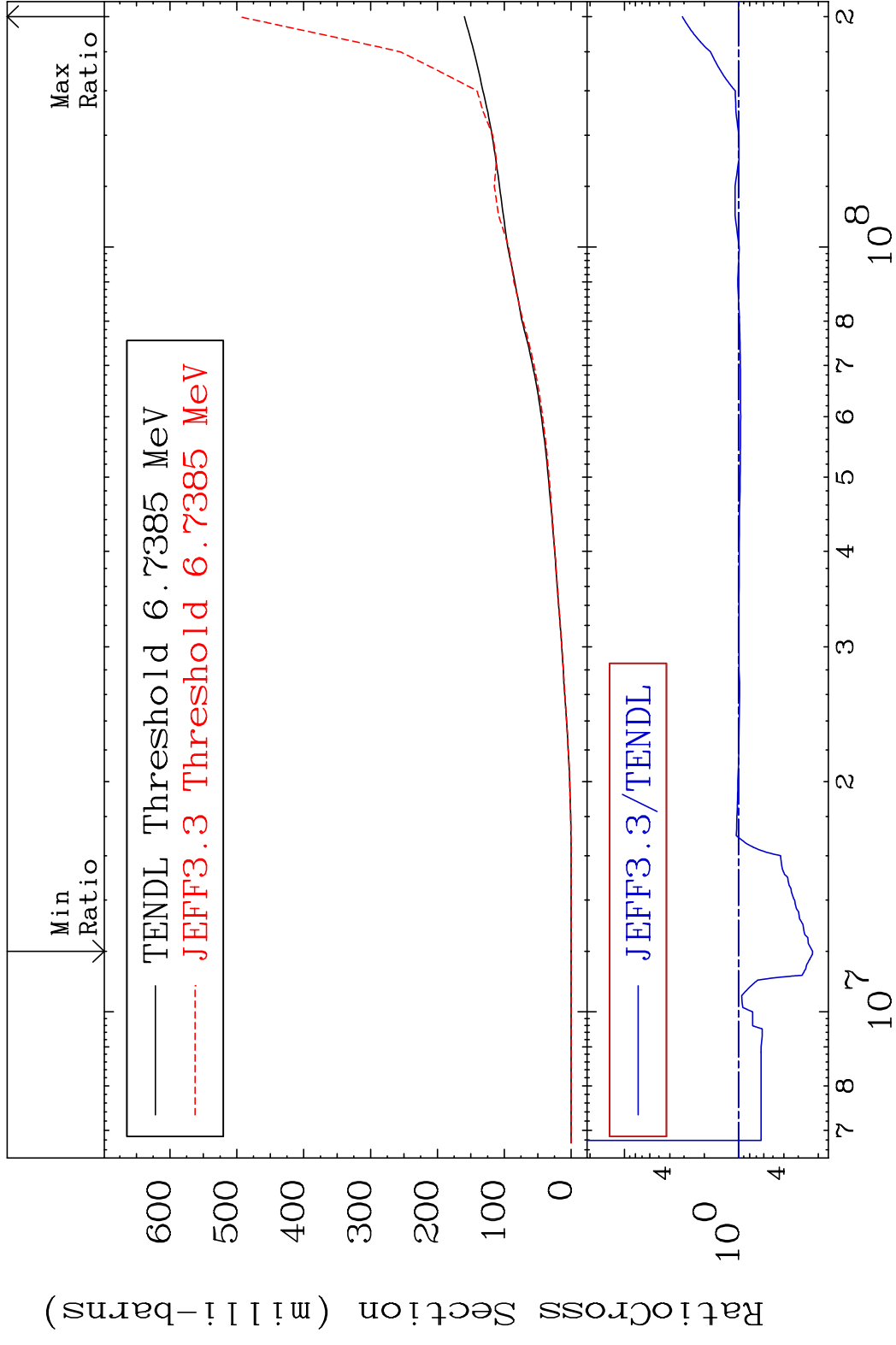
Cross Section -96.24 To 360.1 %



Cross Section -21.70 To 9999. %



Cross Section -77.58 To 210.7 %



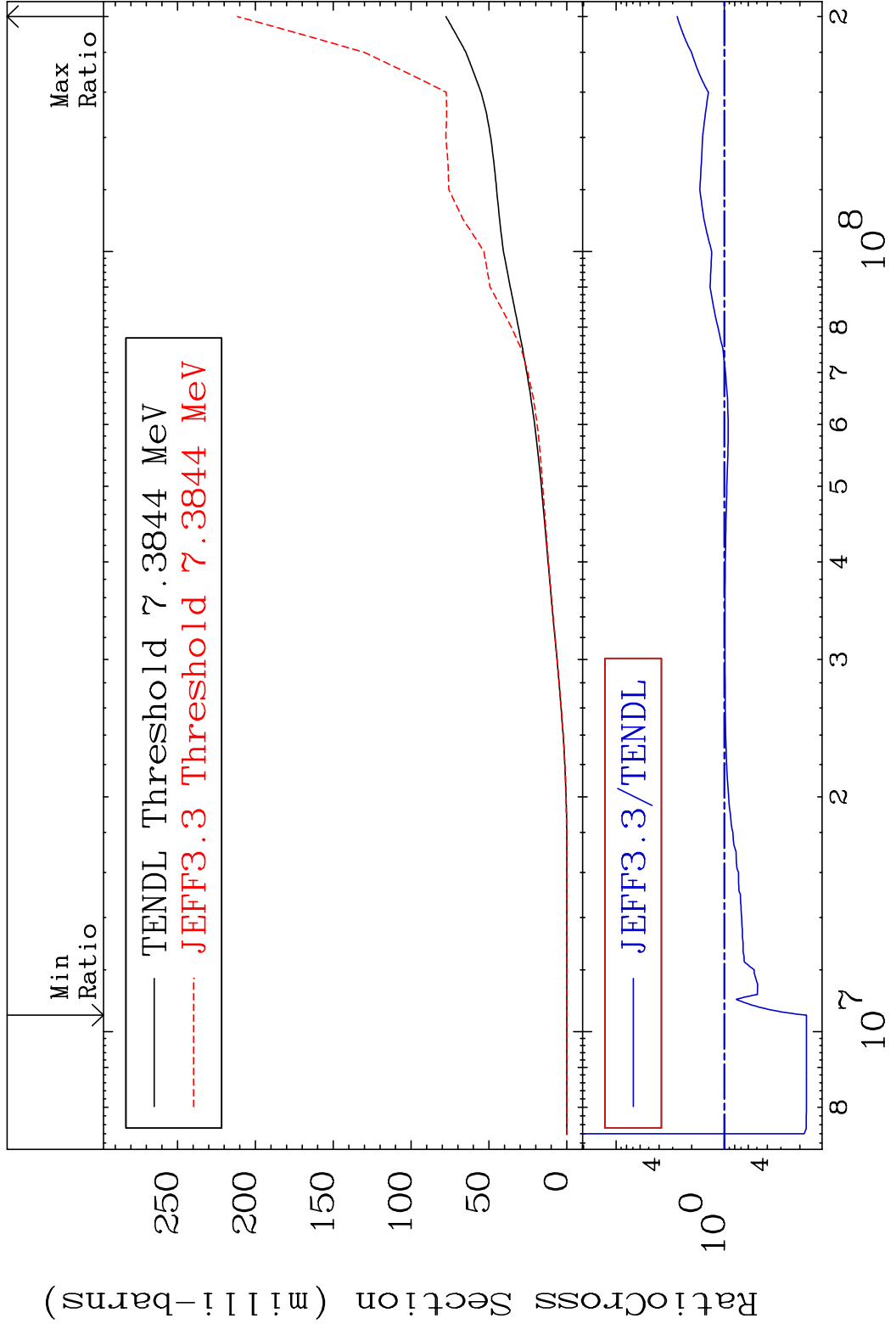
MAT 7849

Tritium Production

78-Pt-198

Cross Section

-82.56 To 172.4 %

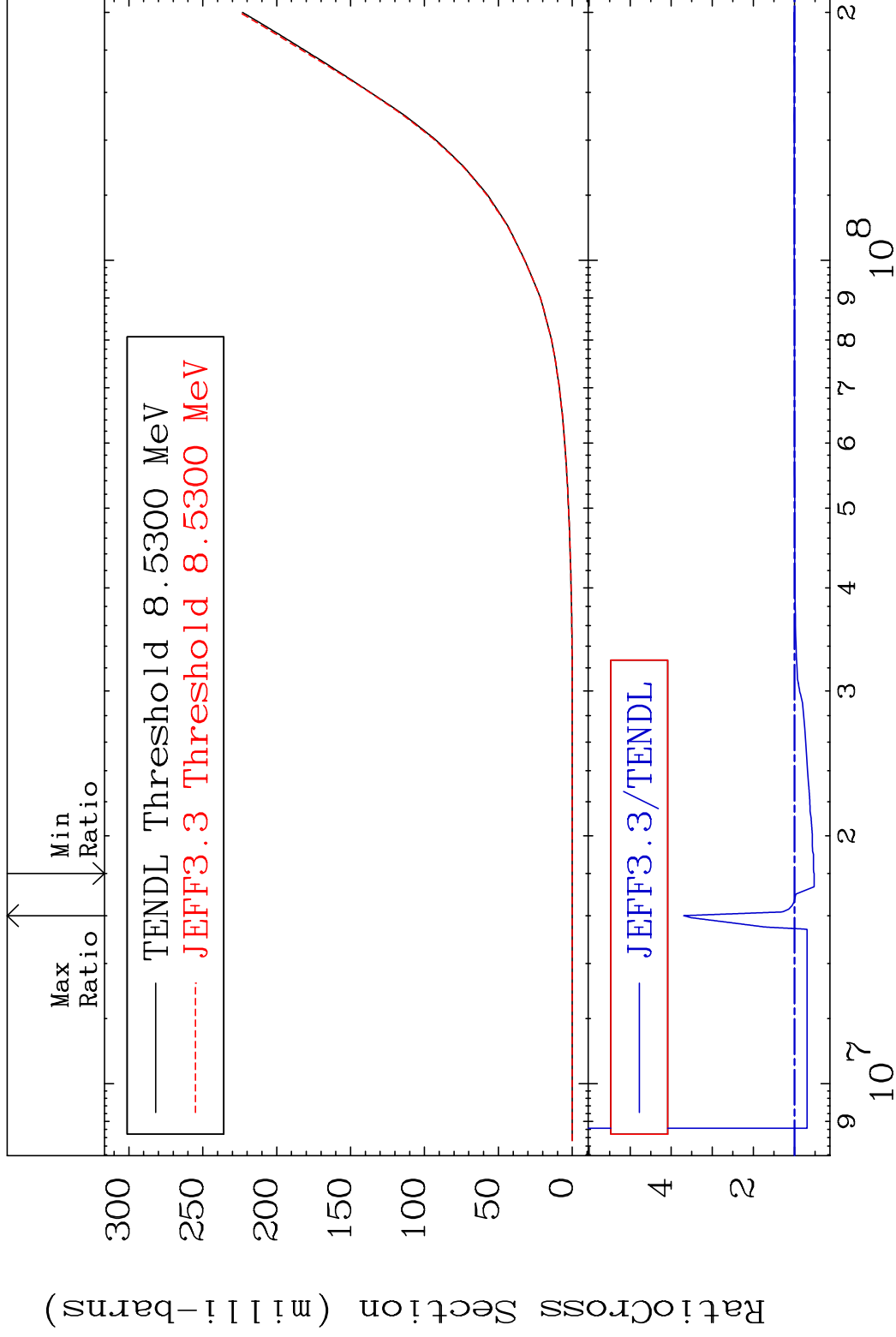


MAT 7849

He-3 Production

78-Pt-198

Cross Section -47.74 To 269.7 %



59

Incident Energy (eV)

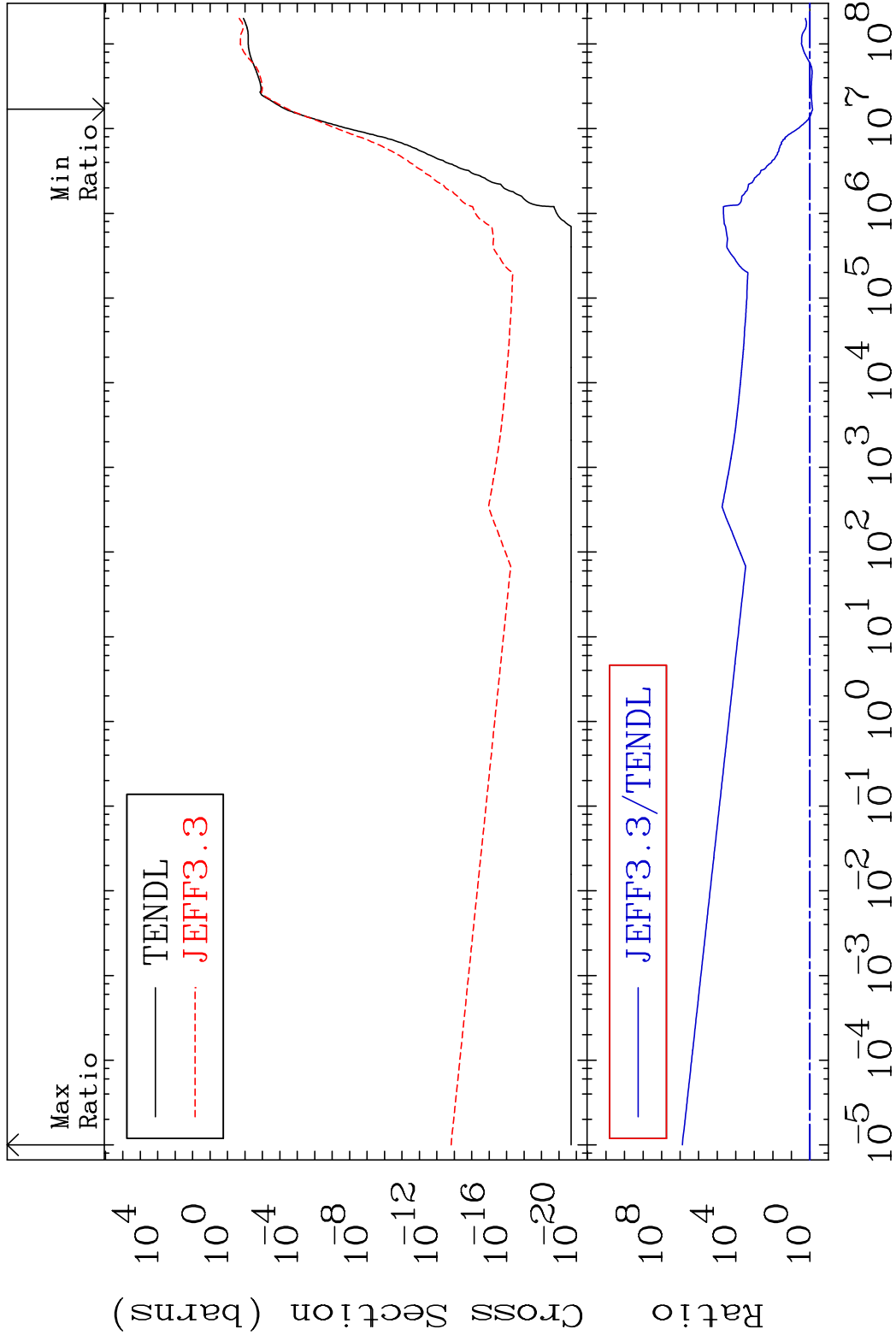
78-Pt-198

MAT 7849

He-4 Production

78-Pt-198

Cross Section -28.01 To 9999. %



60

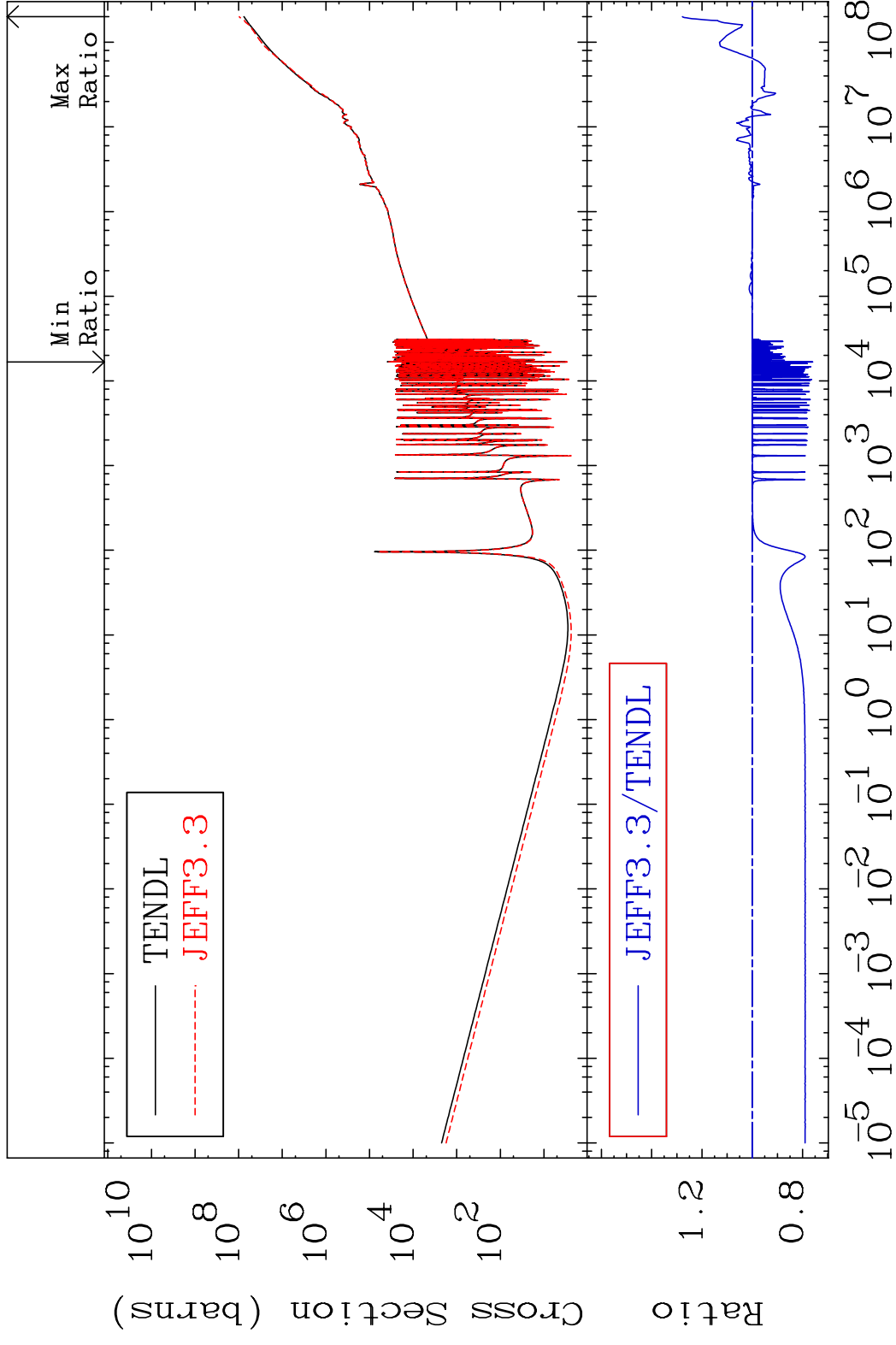
Incident Energy (eV)

78-Pt-198

MAT 7849

Kerma total (eV-barns) 78-Pt-198

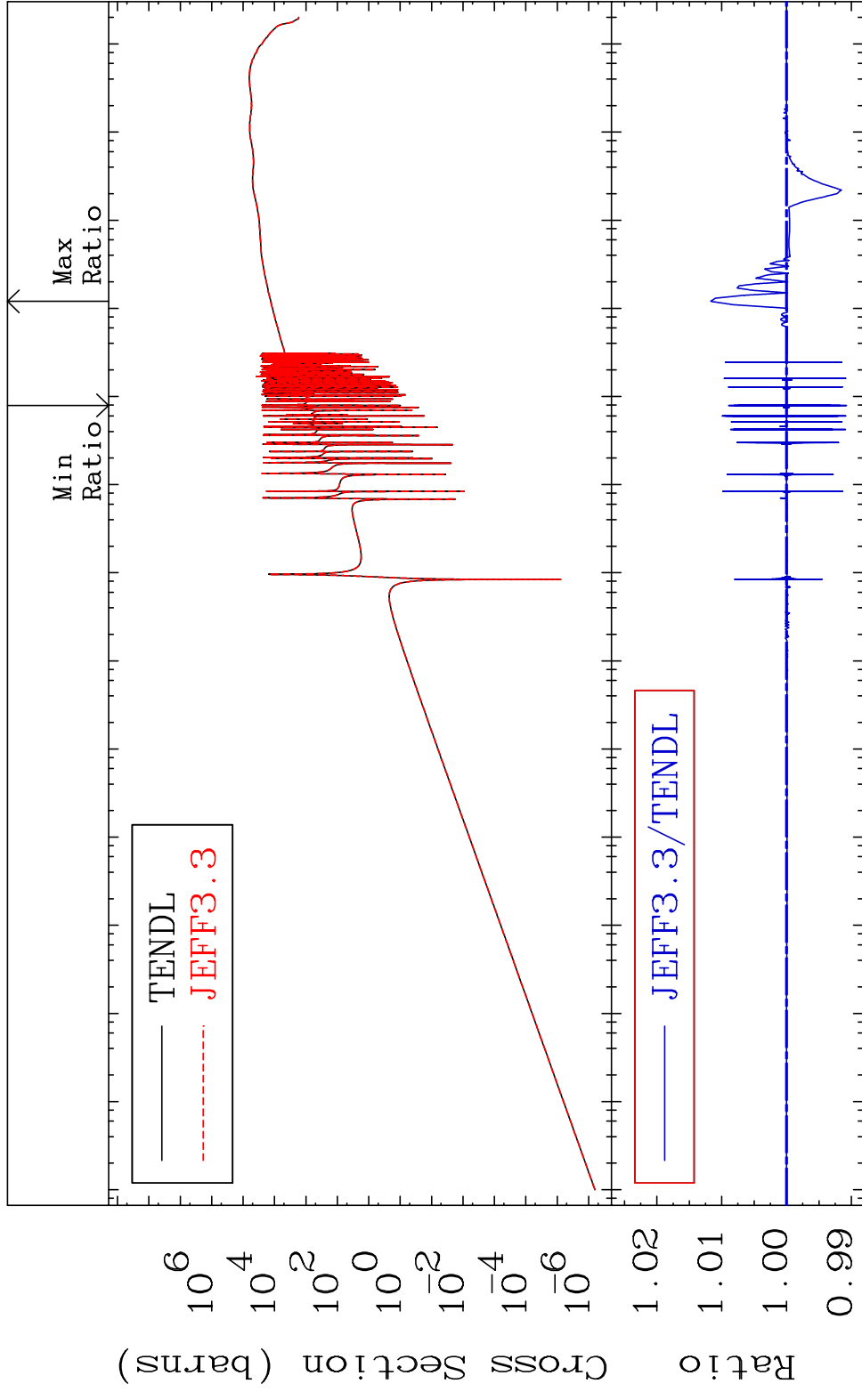
Cross Section -23.98 To 27.79 %



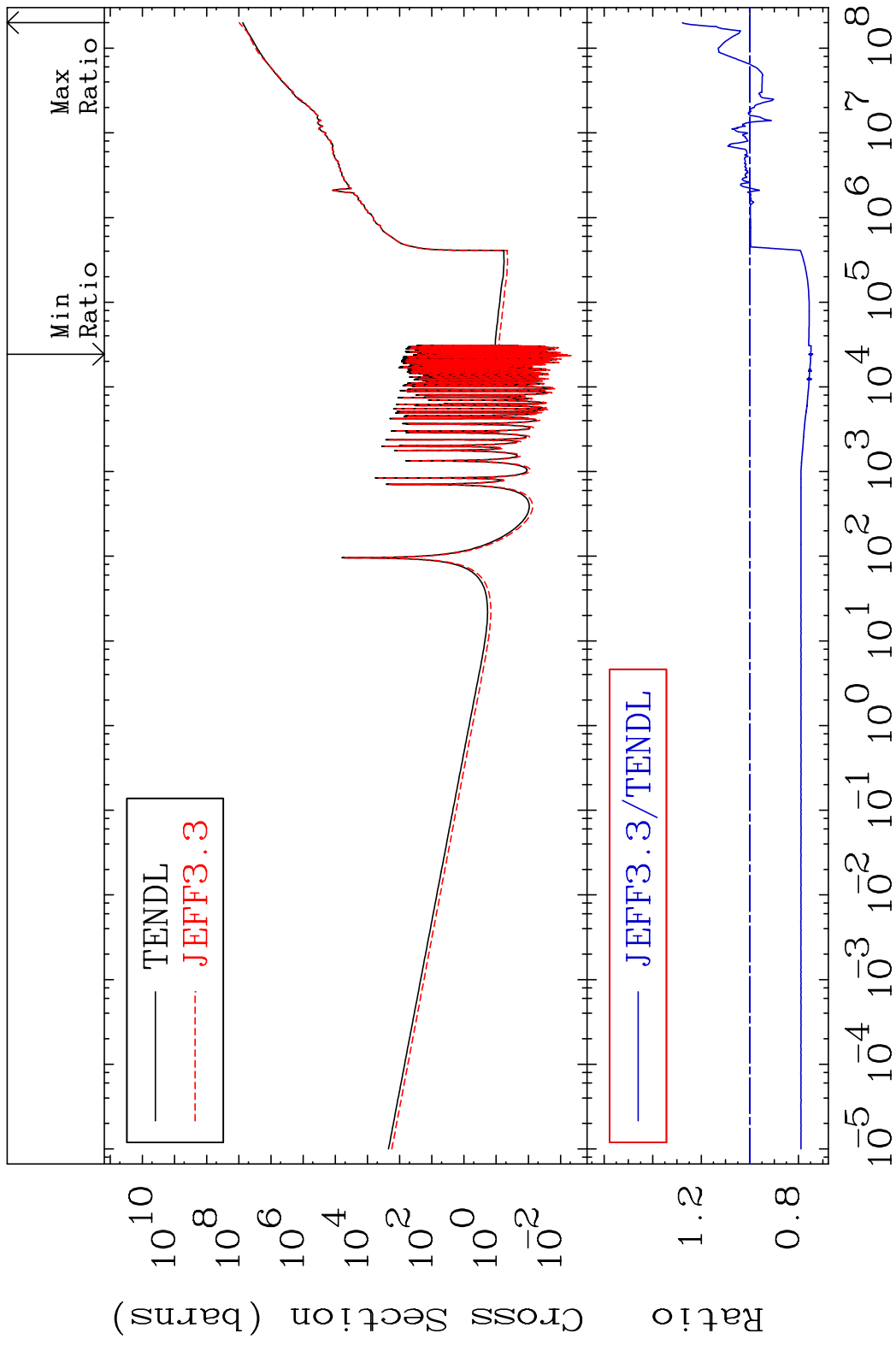
MAT 7849

Kerma elastic
Cross Section

78-Pt-198
-0.922 To 1.170 %

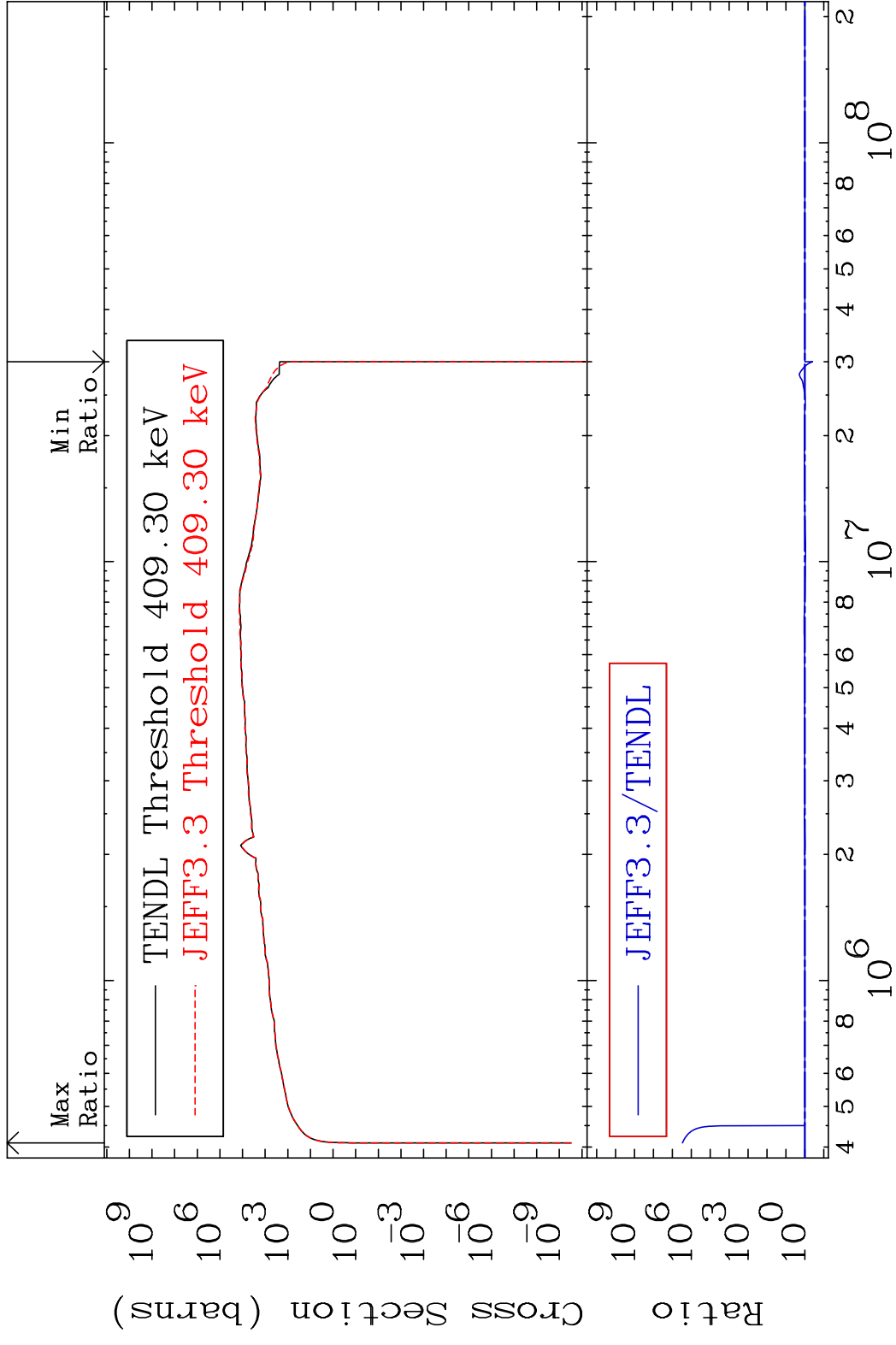


MAT 7849 Kerma non-elastic (all but mt2) 78-Pt-198
 Cross Section -25.78 To 27.80 %

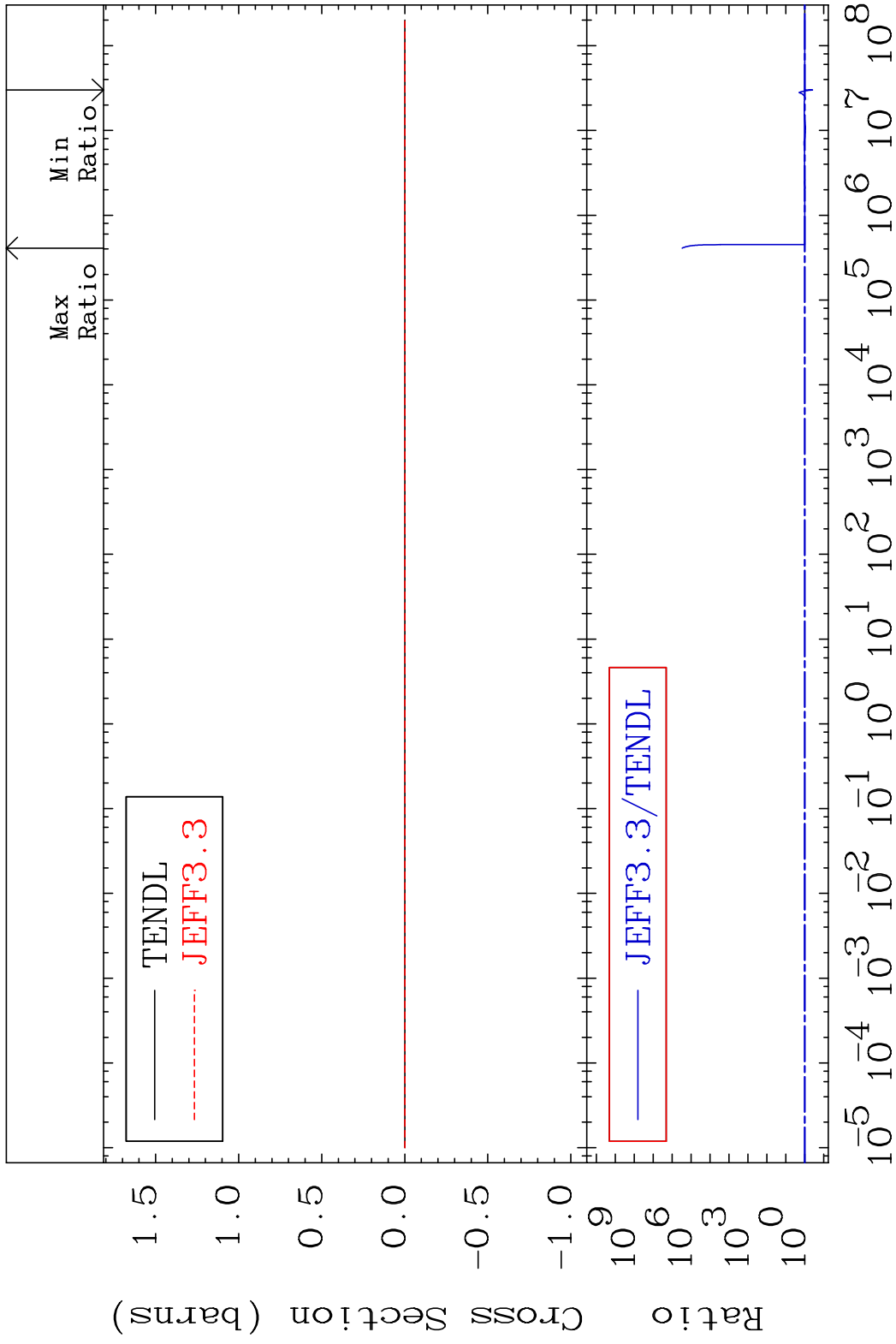


63 Incident Energy (eV) 78-Pt-198

MAT 7849 Kerma inelastic (mt51-91) 78-Pt-198
 Cross Section -61.19 To 9999. %

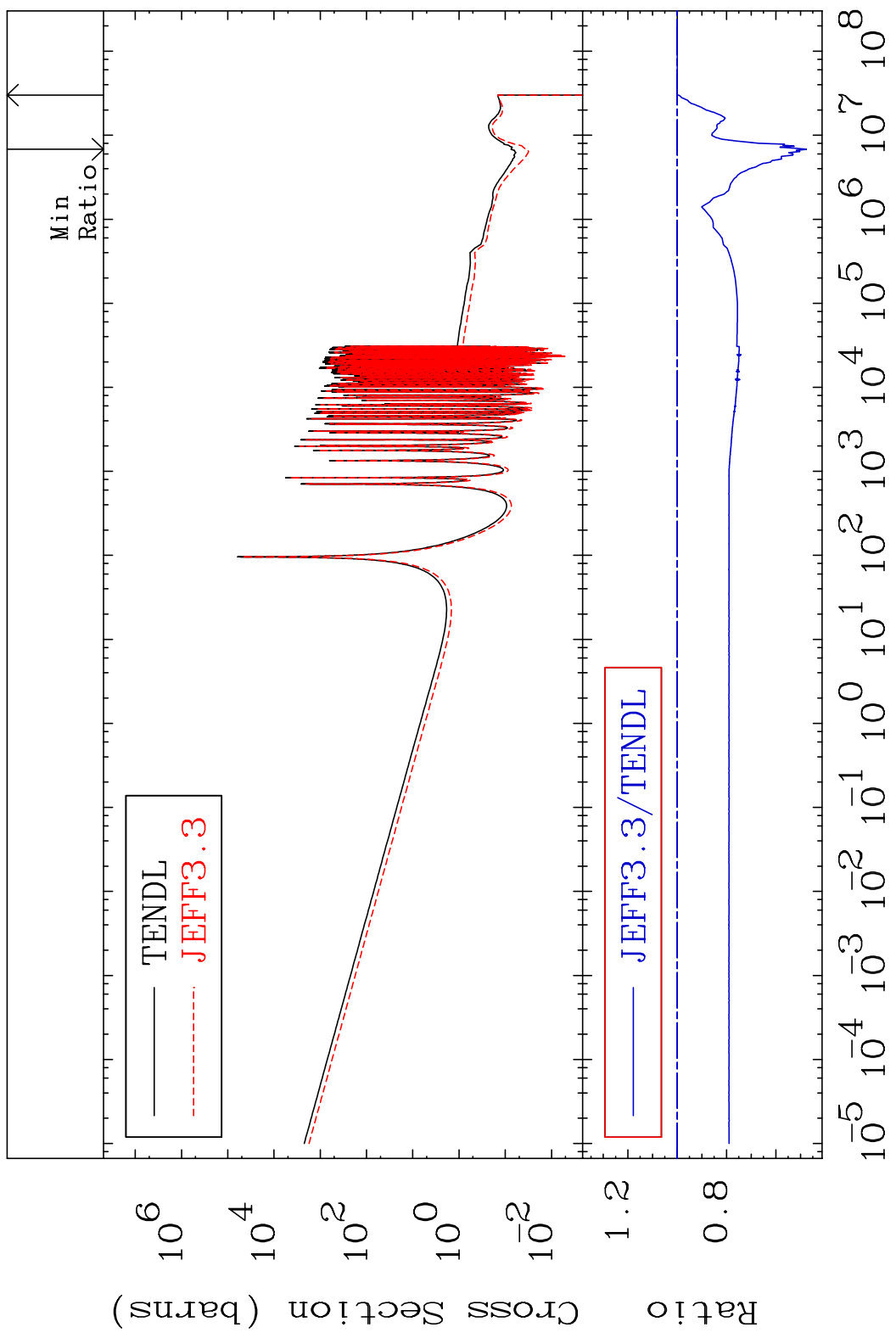


MAT 7849 Kerma fission (mt18 or mt19-20-21-38) 78-Pt-198
 Cross Section -61.19 To 9999. %



MAT 7849

Kerma capture (mt102) 78-Pt-198
Cross Section -52.41 To 0.000 %



66

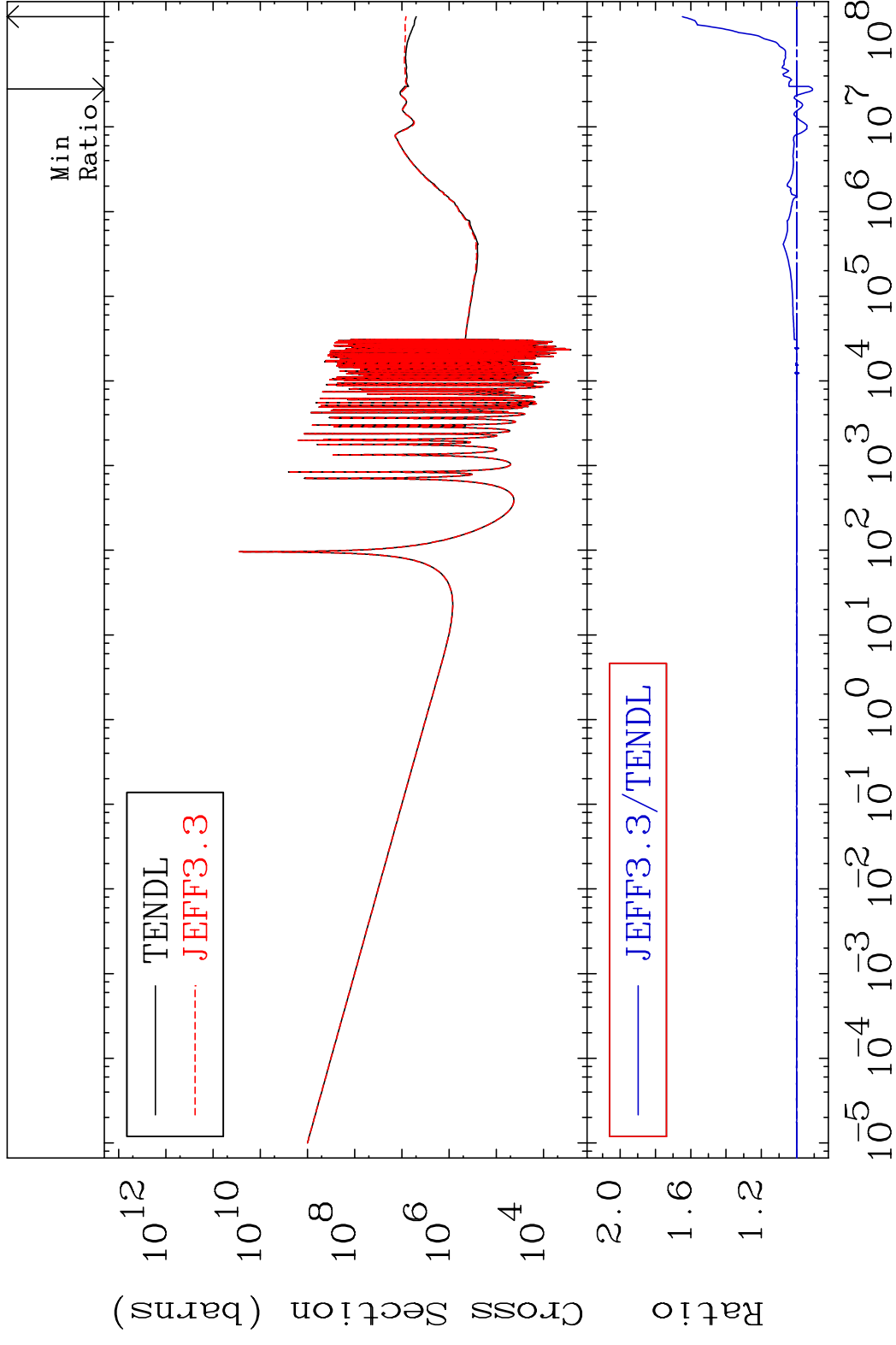
Incident Energy (eV) 78-Pt-198

MAT 7849

Total photon (eV-barns)

78-Pt-198

Cross Section -9.017 To 64.75 %

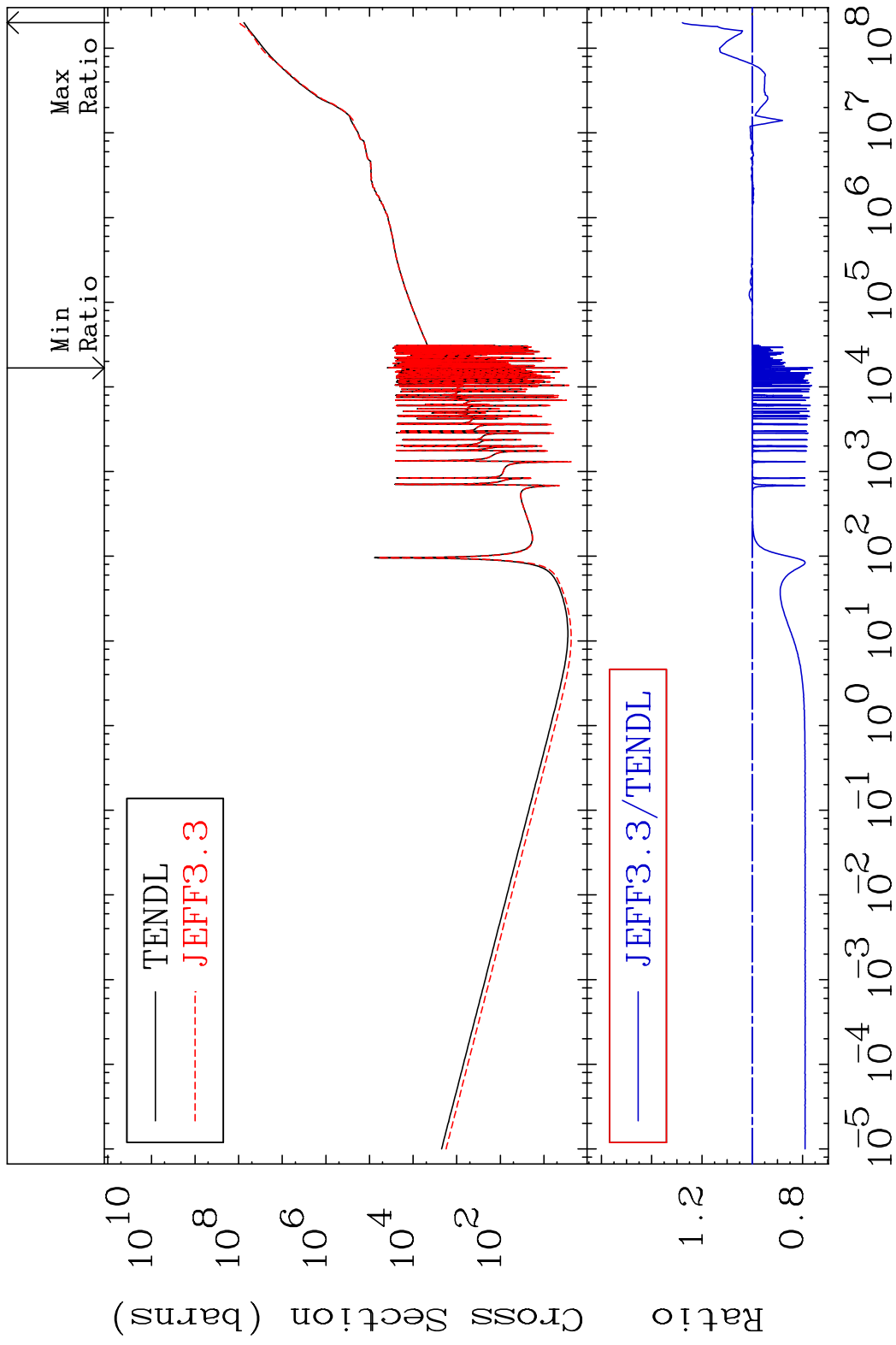


67

Incident Energy (eV)

78-Pt-198

MAT 7849 Total kinematic kerma (high limit) 78-Pt-198
 Cross Section -23.98 To 27.79 %



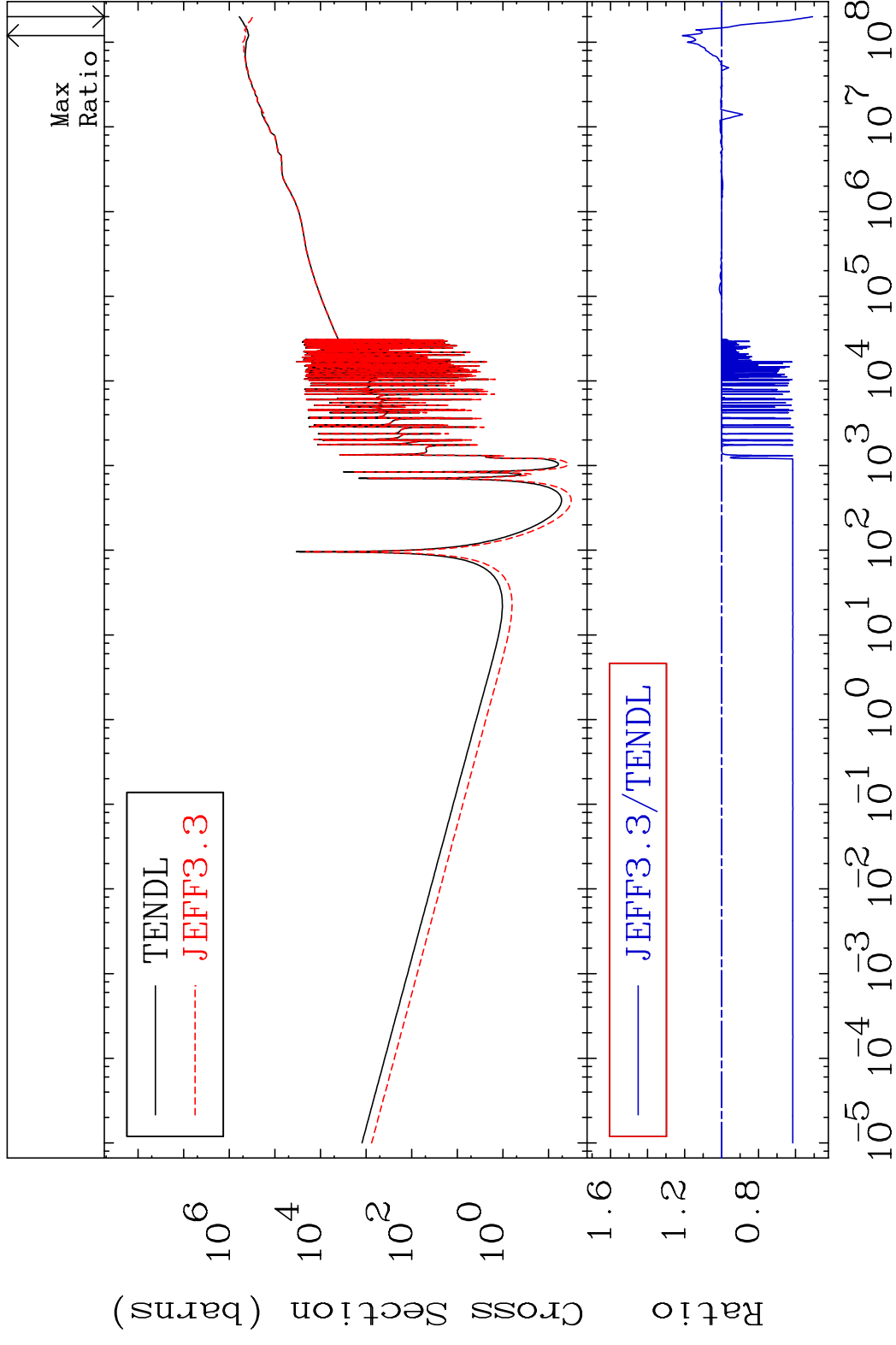
MAT 7849

Dpa total (eV-barns)

78-Pt-198

Cross Section

-49.17 To 21.19 %



69

Incident Energy (eV)

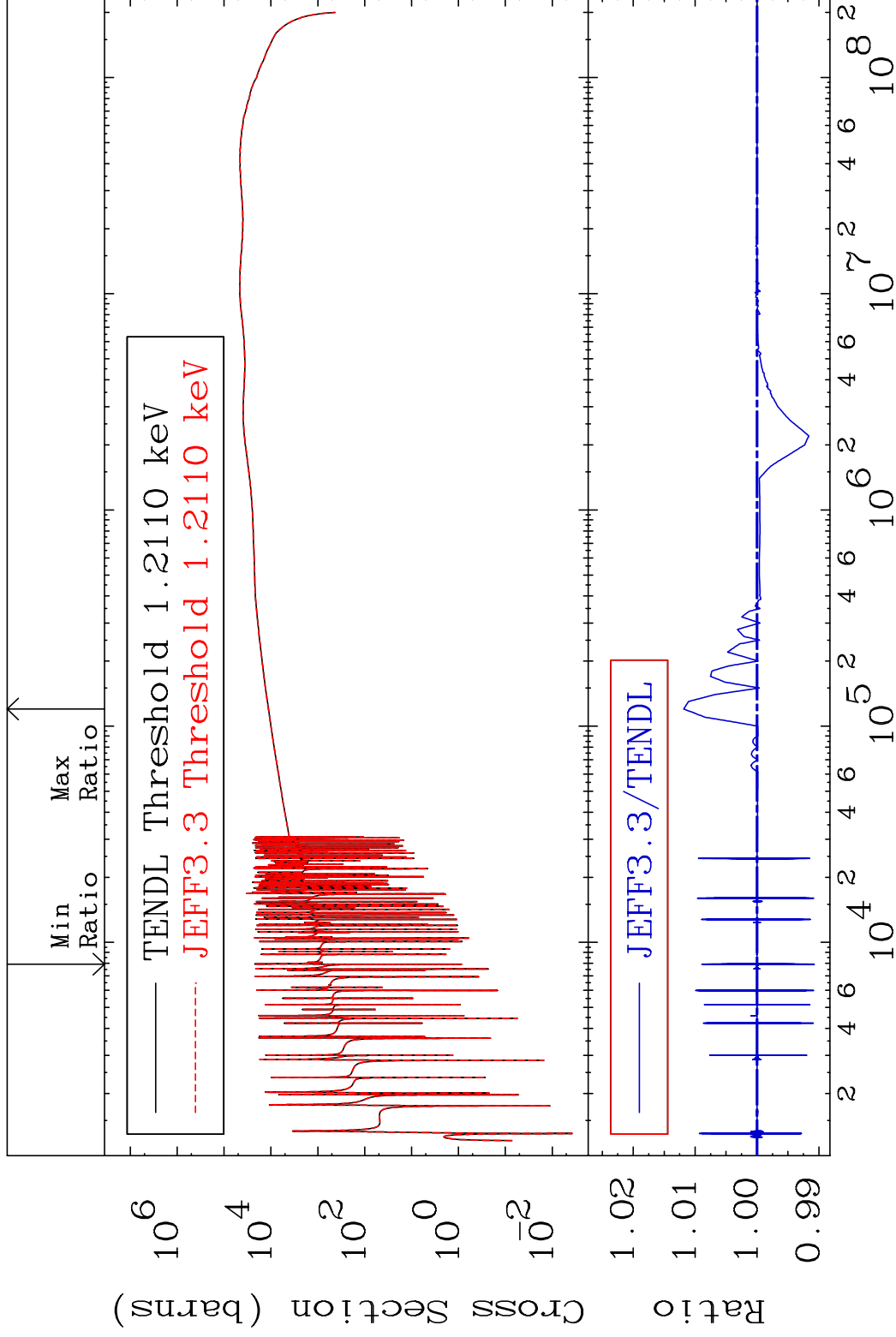
78-Pt-198

MAT 7849

Dpa elastic (mt2)

78-Pt-198

Cross Section -0.922 To 1.185 %

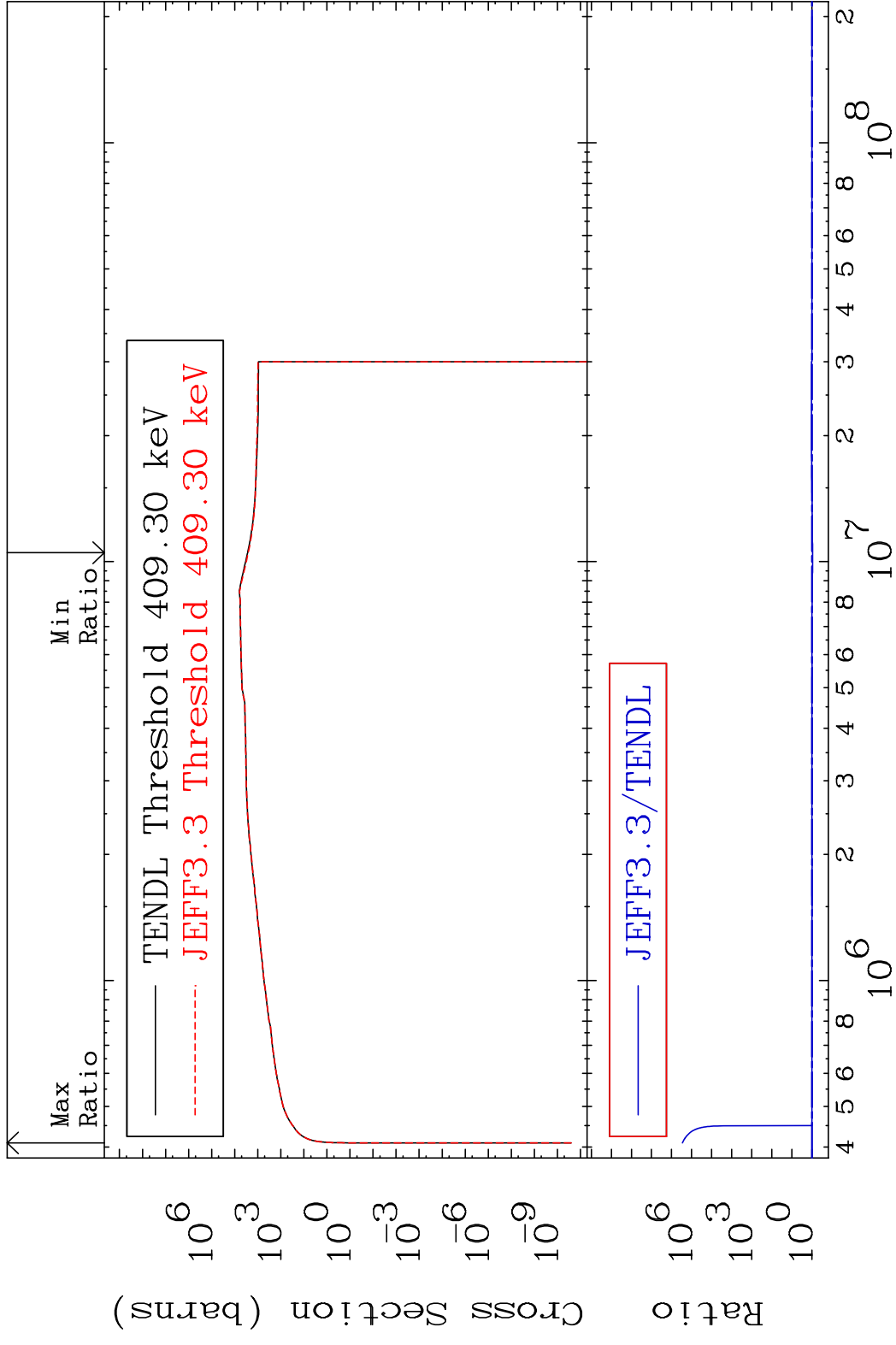


70

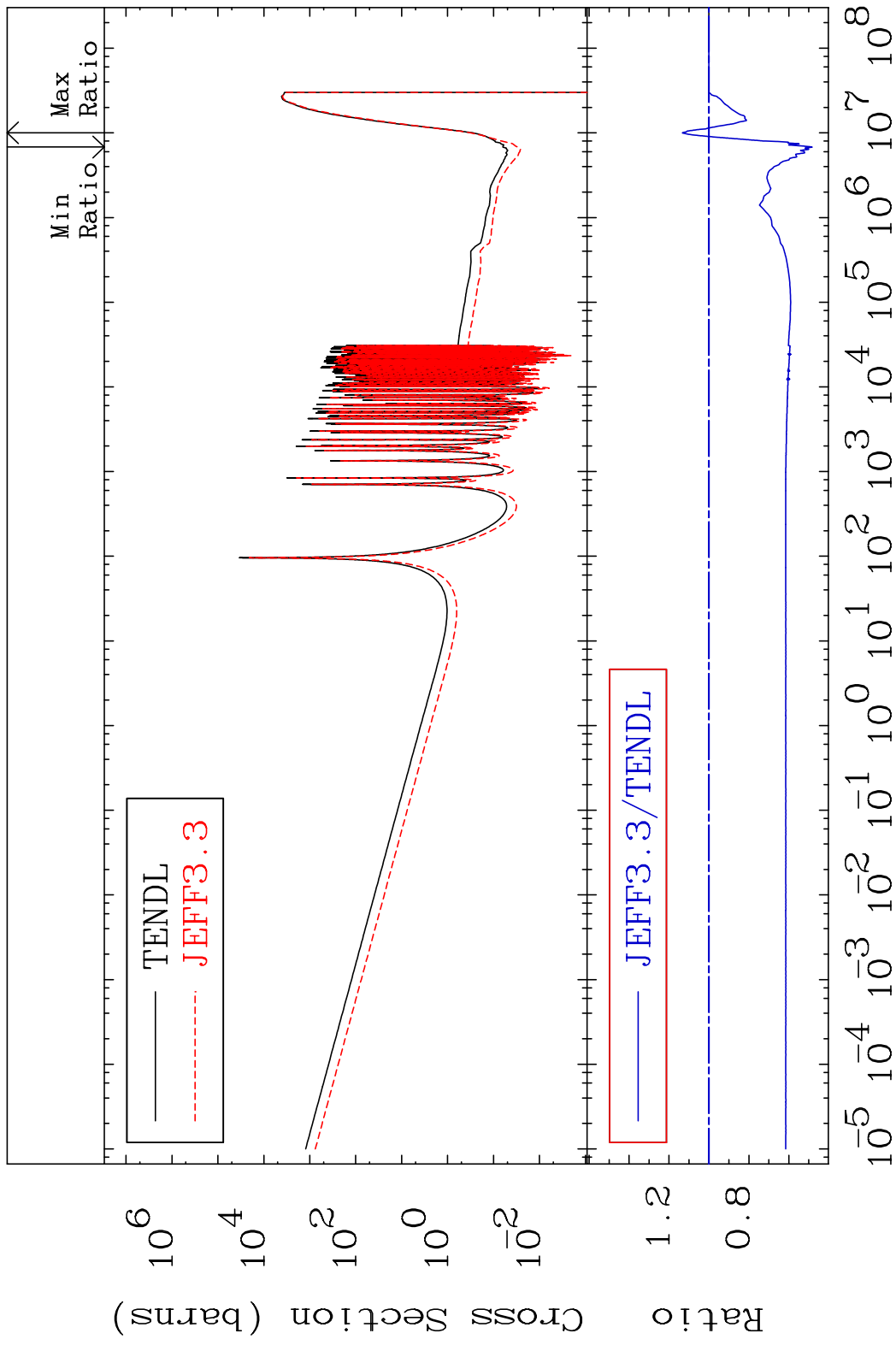
Incident Energy (eV)

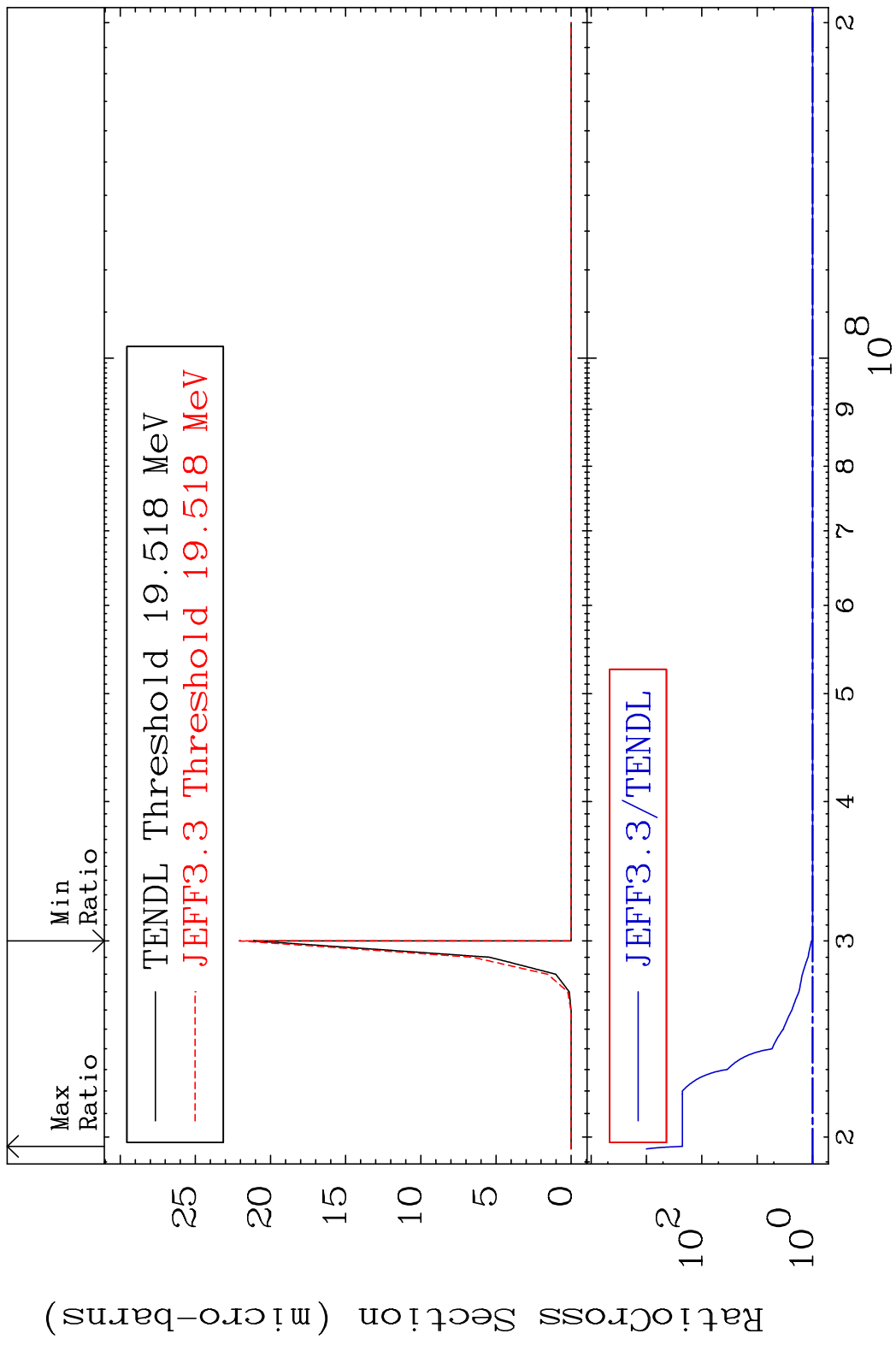
78-Pt-198

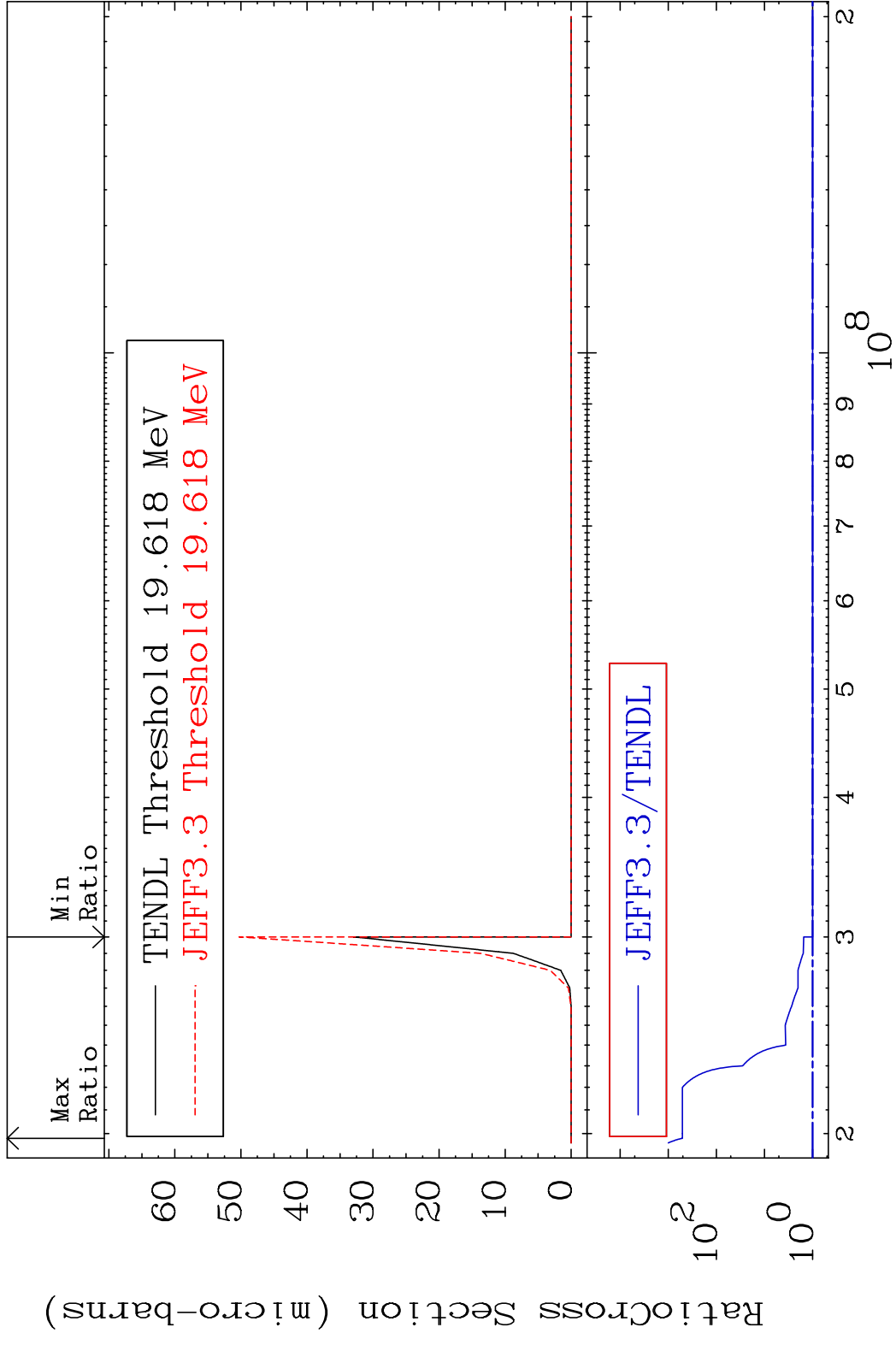
MAT 7849 Dpa inelastic (mt51-91) 78-Pt-198
 Cross Section -6.428 To 9999. %



MAT 7849 Dpa disappearance (mt102 -120) 78-Pt-198
 Cross Section -51.91 To 13.32 %







MAT 7849 (n,2n):78-Pt-197g 78-Pt-198
 Radionuclide Production Cross Section 230.6 %

