

Program Complot
(Version 2021-1)

by

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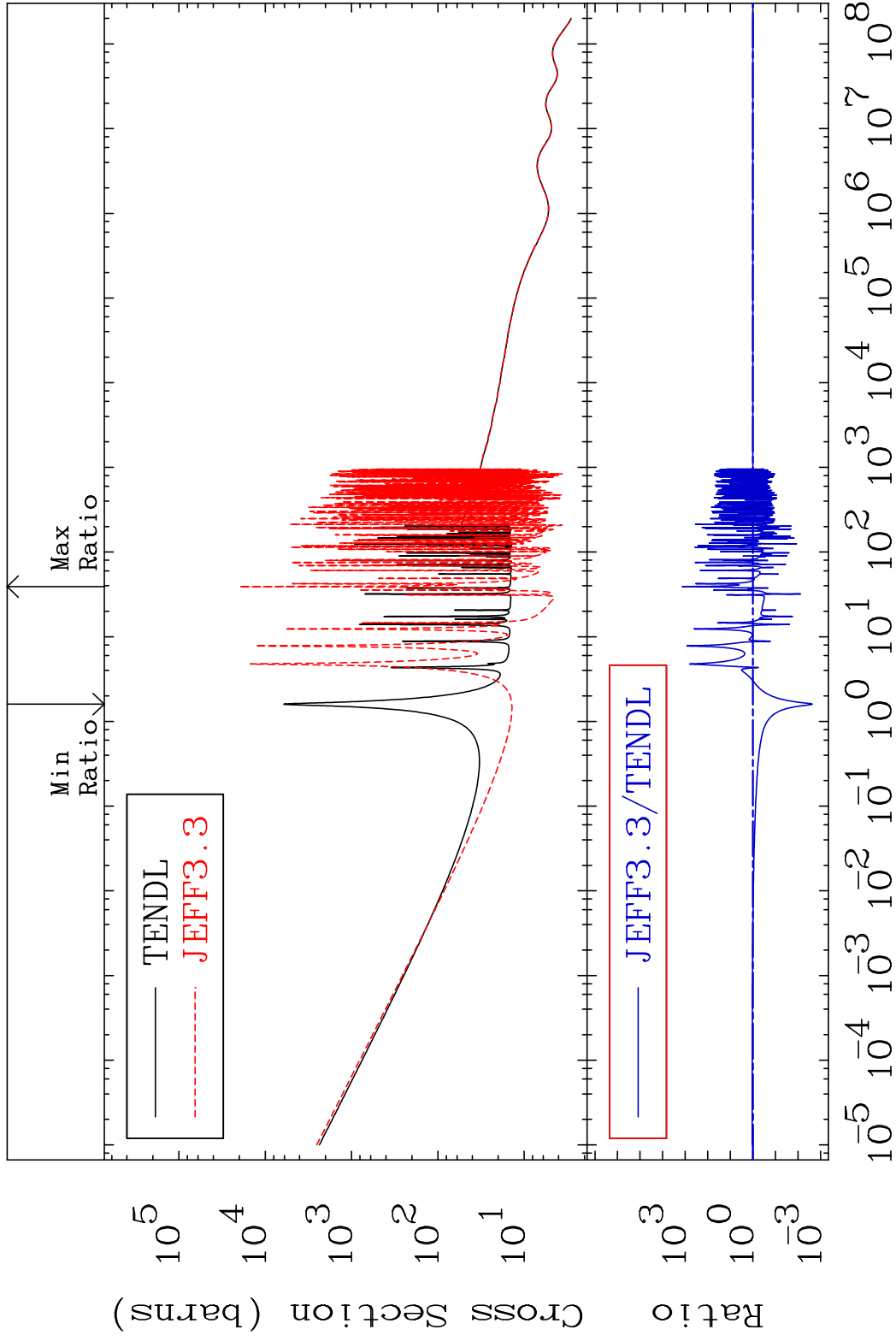
Press Mouse Button to Start

MAT 7834

Total

78-Pt-193

Cross Section -99.77 To 9999. %

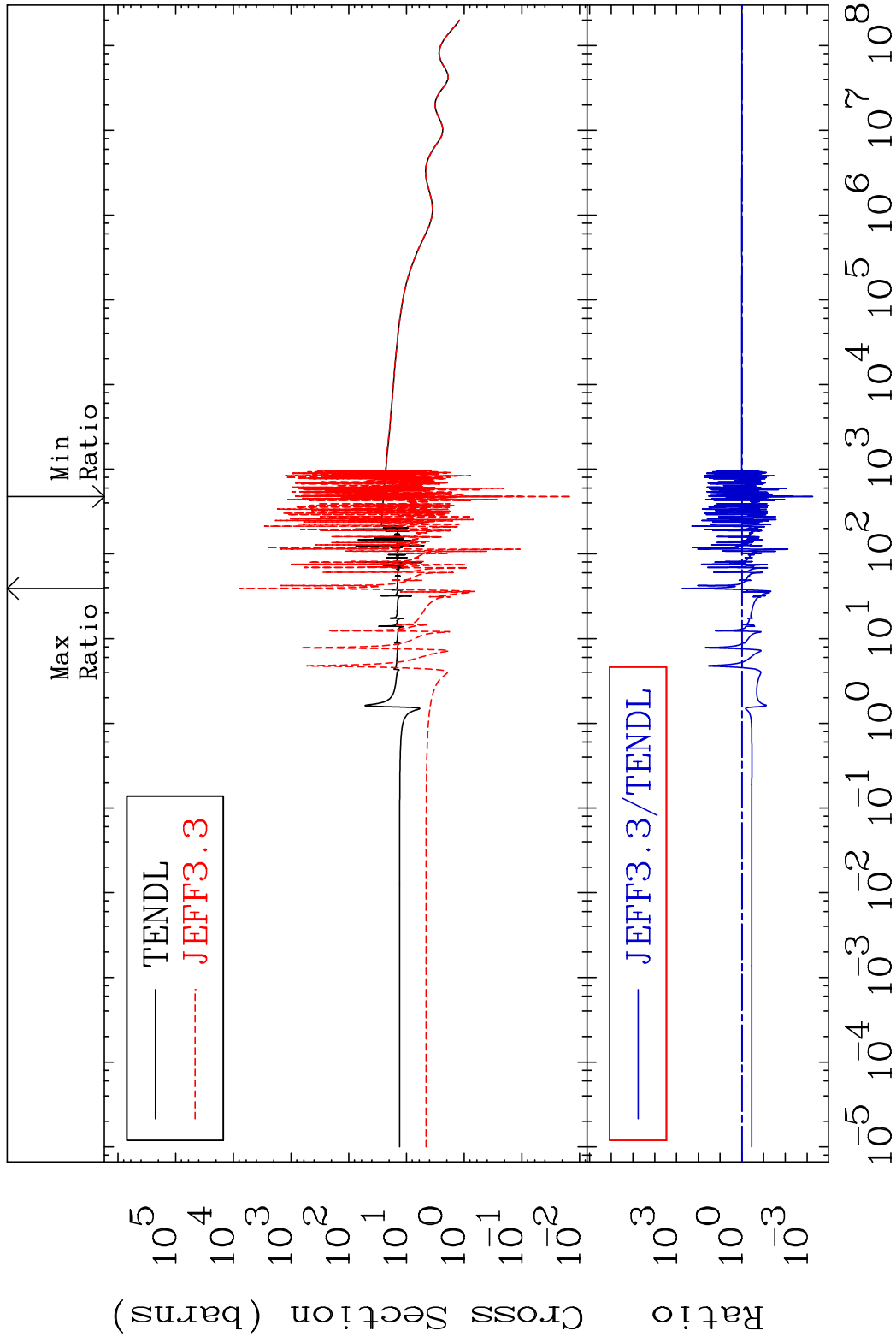


MAT 7834

Elastic

78-Pt-193

Cross Section -99.94 To 9999. %



2

Incident Energy (eV)

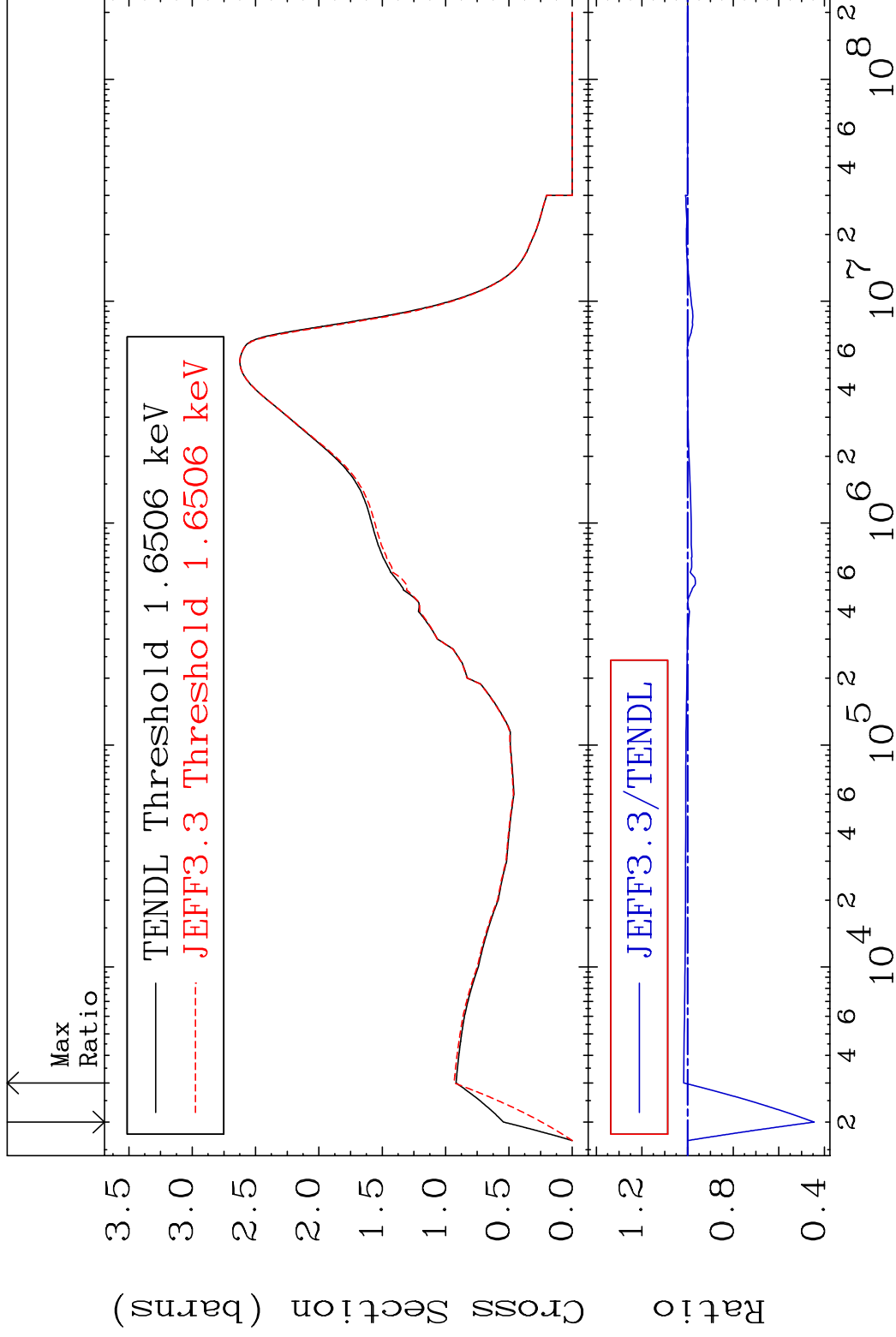
78-Pt-193

MAT 7834

Inelastic

78-Pt-193

Cross Section -55.49 To 1.705 %



3

Incident Energy (eV)

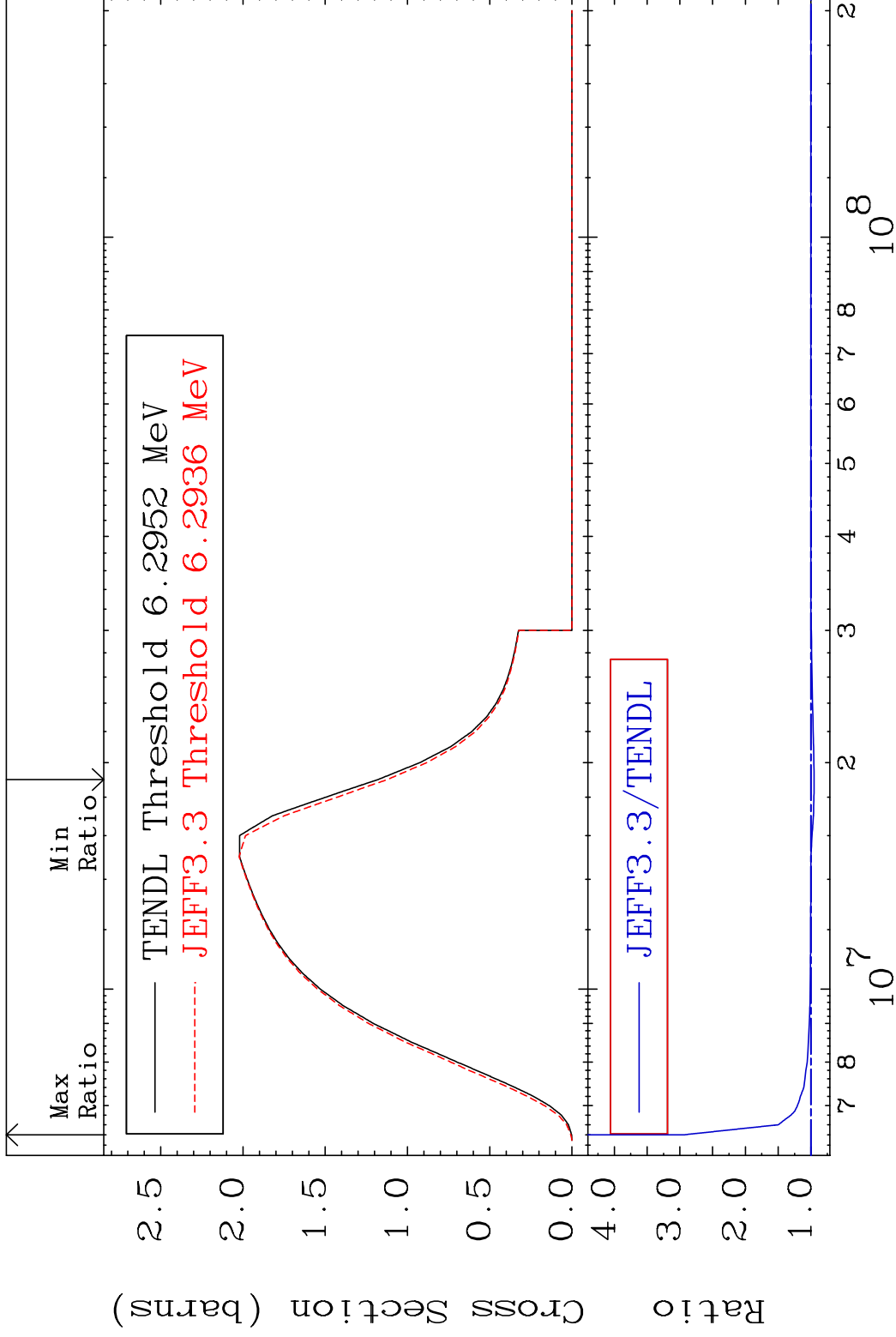
78-Pt-193

MAT 7834

(n,2n)

78-Pt-193

Cross Section -4.742 To 194.5 %



5

Incident Energy (eV)

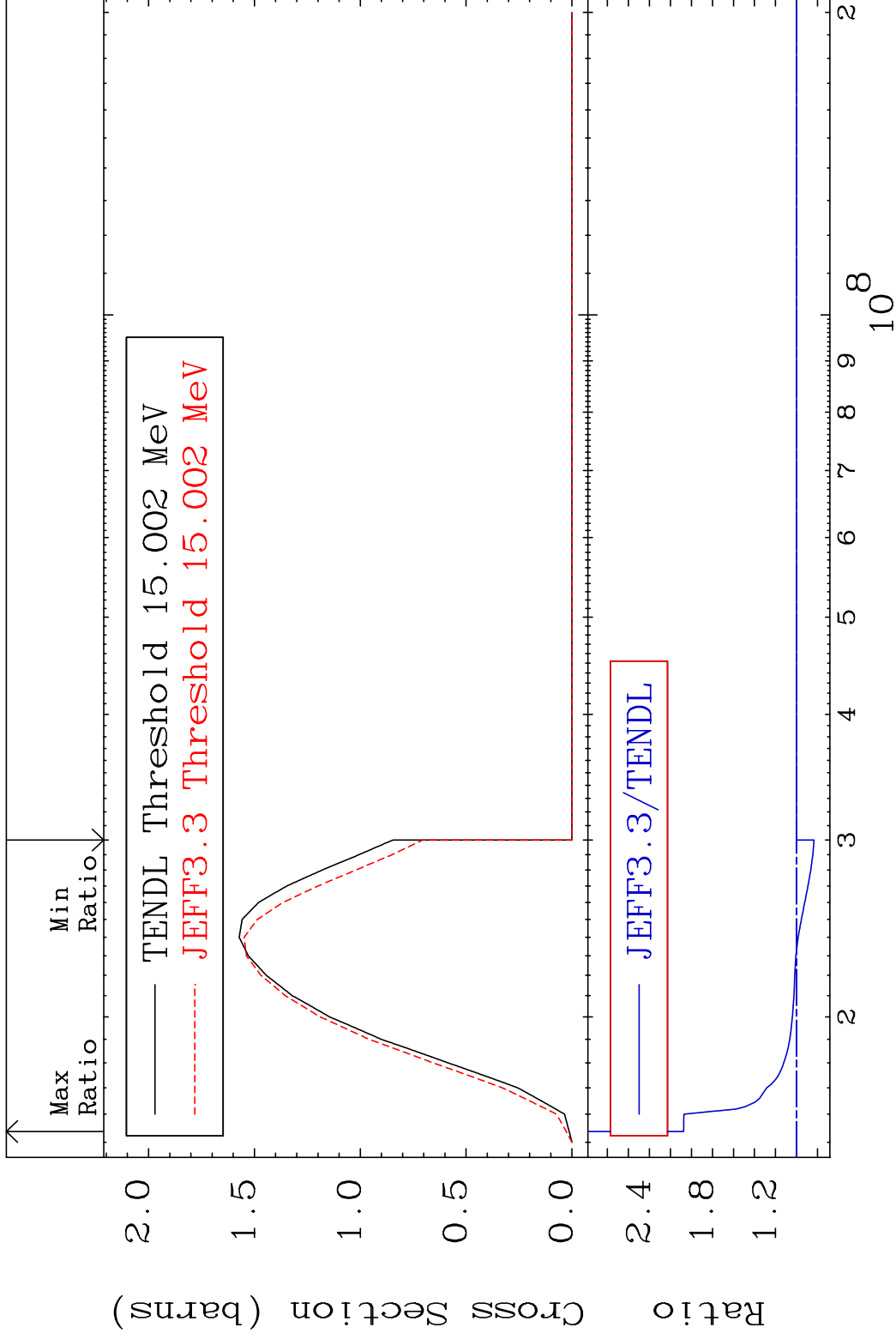
78-Pt-193

MAT 7834

(n,3n)

78-Pt-193

Cross Section -16.66 To 107.6 %



6

Incident Energy (eV)

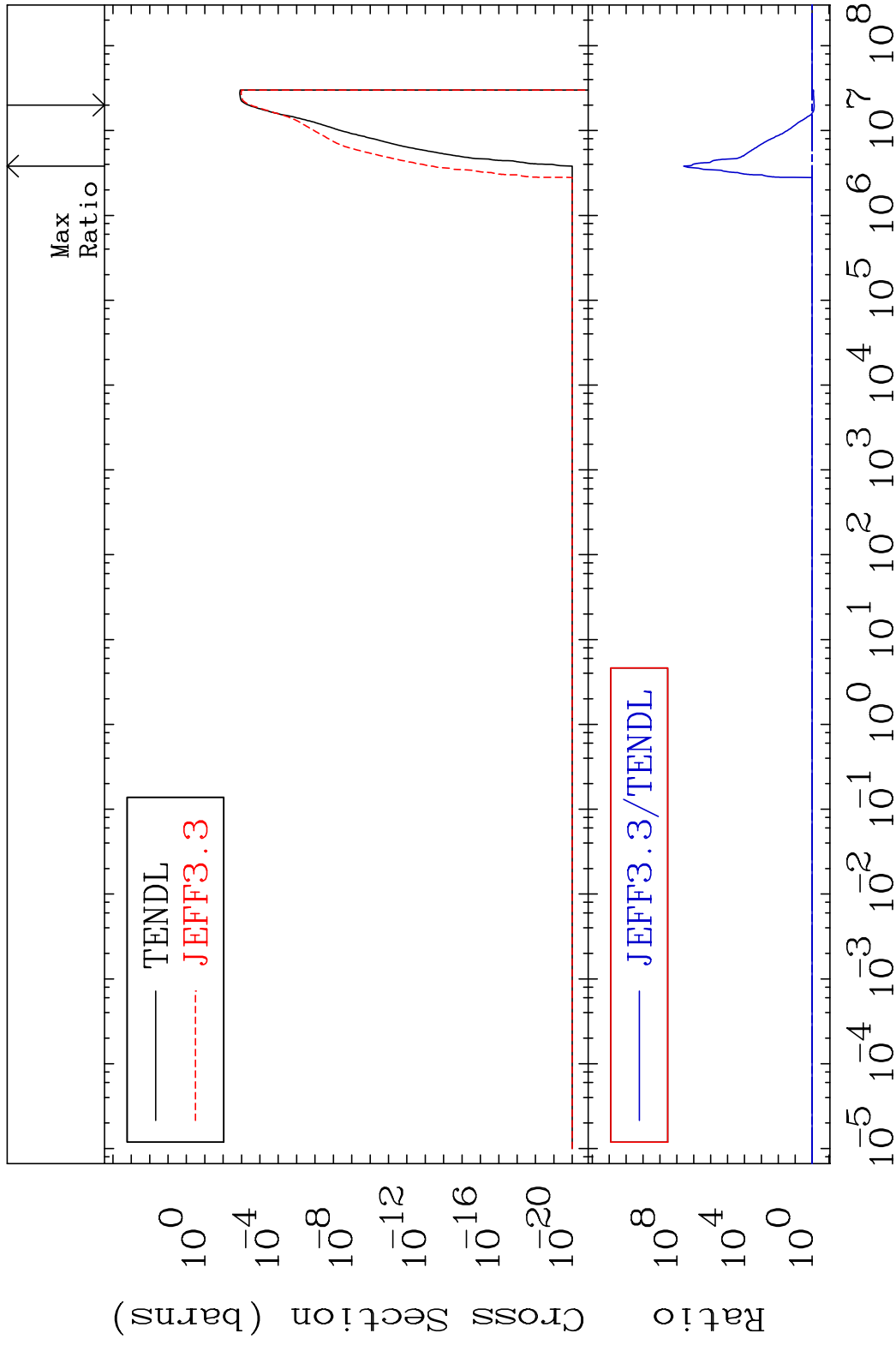
78-Pt-193

MAT 7834

(n, n') α

78-Pt-193

Cross Section -22.93 To 9999. %



7

Incident Energy (eV)

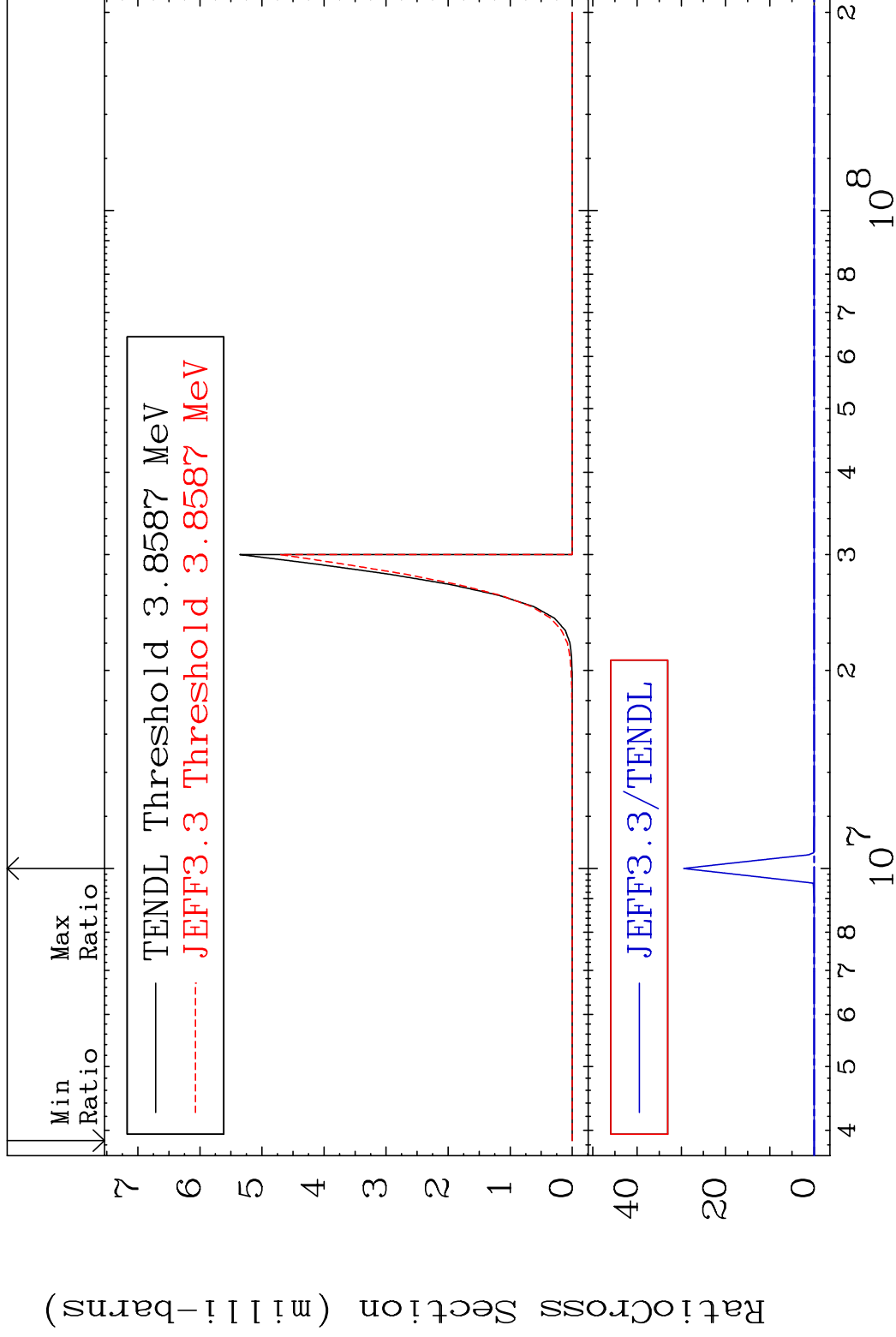
78-Pt-193

MAT 7834

(n,2n) α

78-Pt-193

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

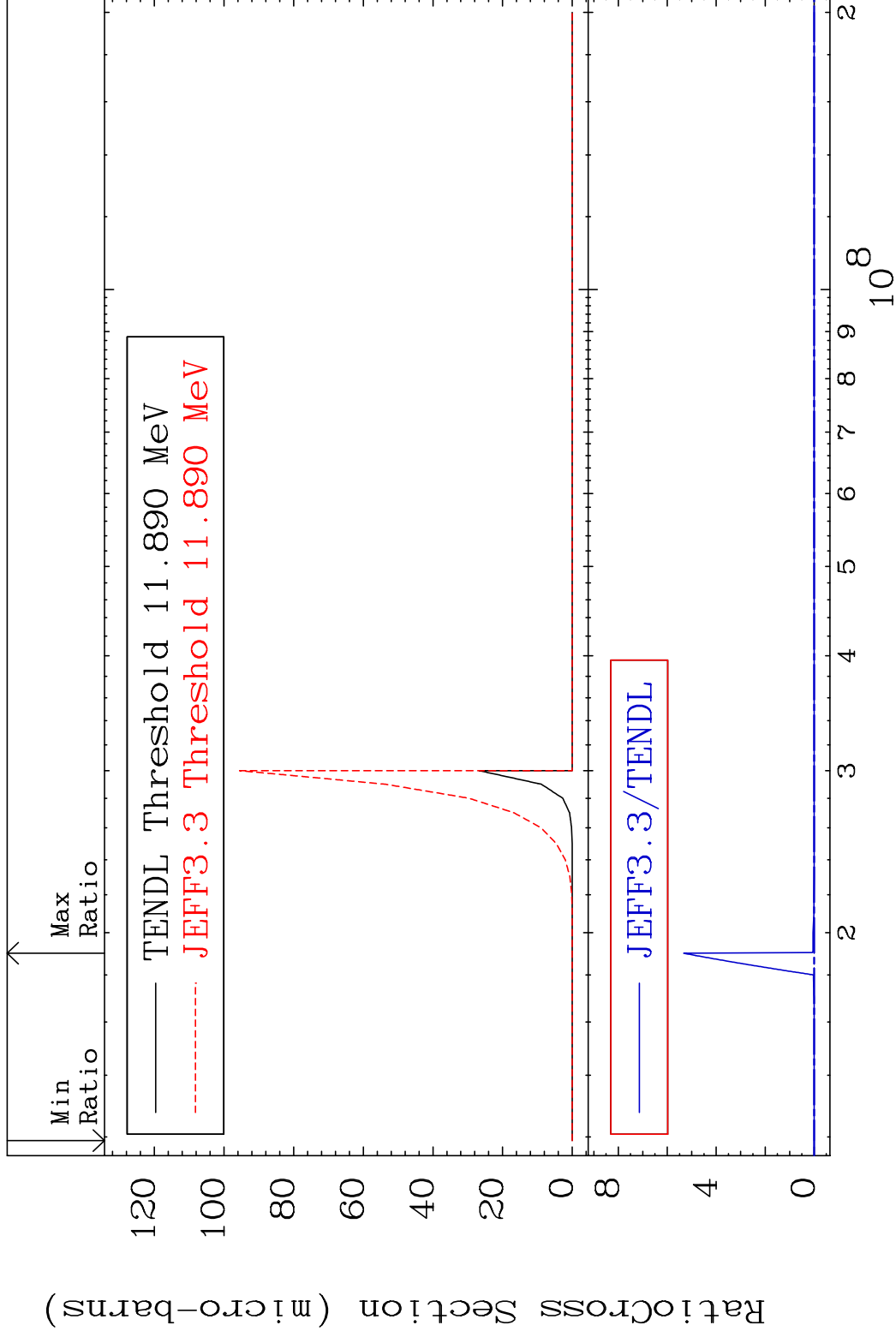
78-Pt-193

MAT 7834

(n,3n) α

78-Pt-193

Cross Section -100.0 To 9999. %

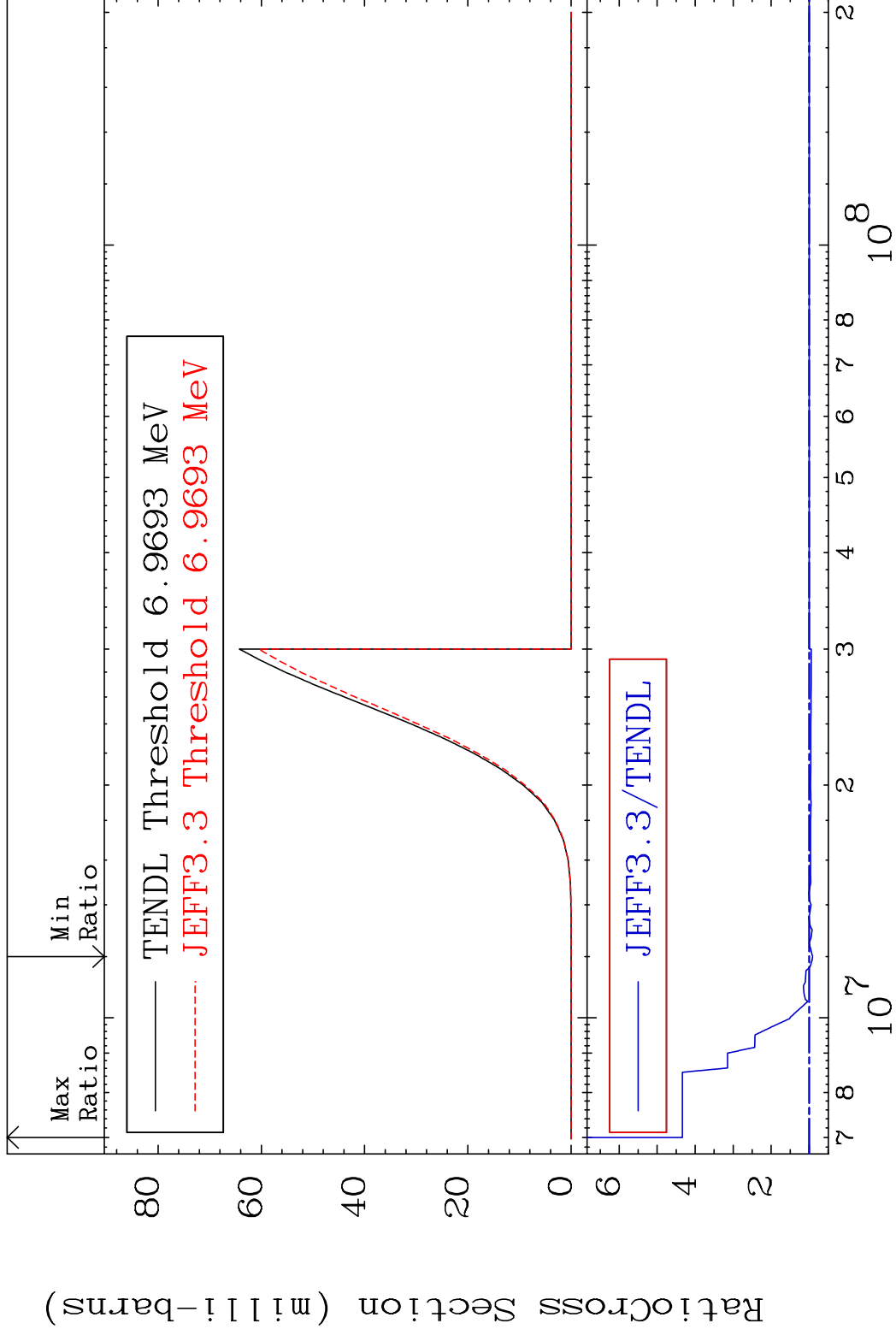


MAT 7834

(n, n') p

78-Pt-193

Cross Section -8.975 To 333.7 %



10

Incident Energy (eV)

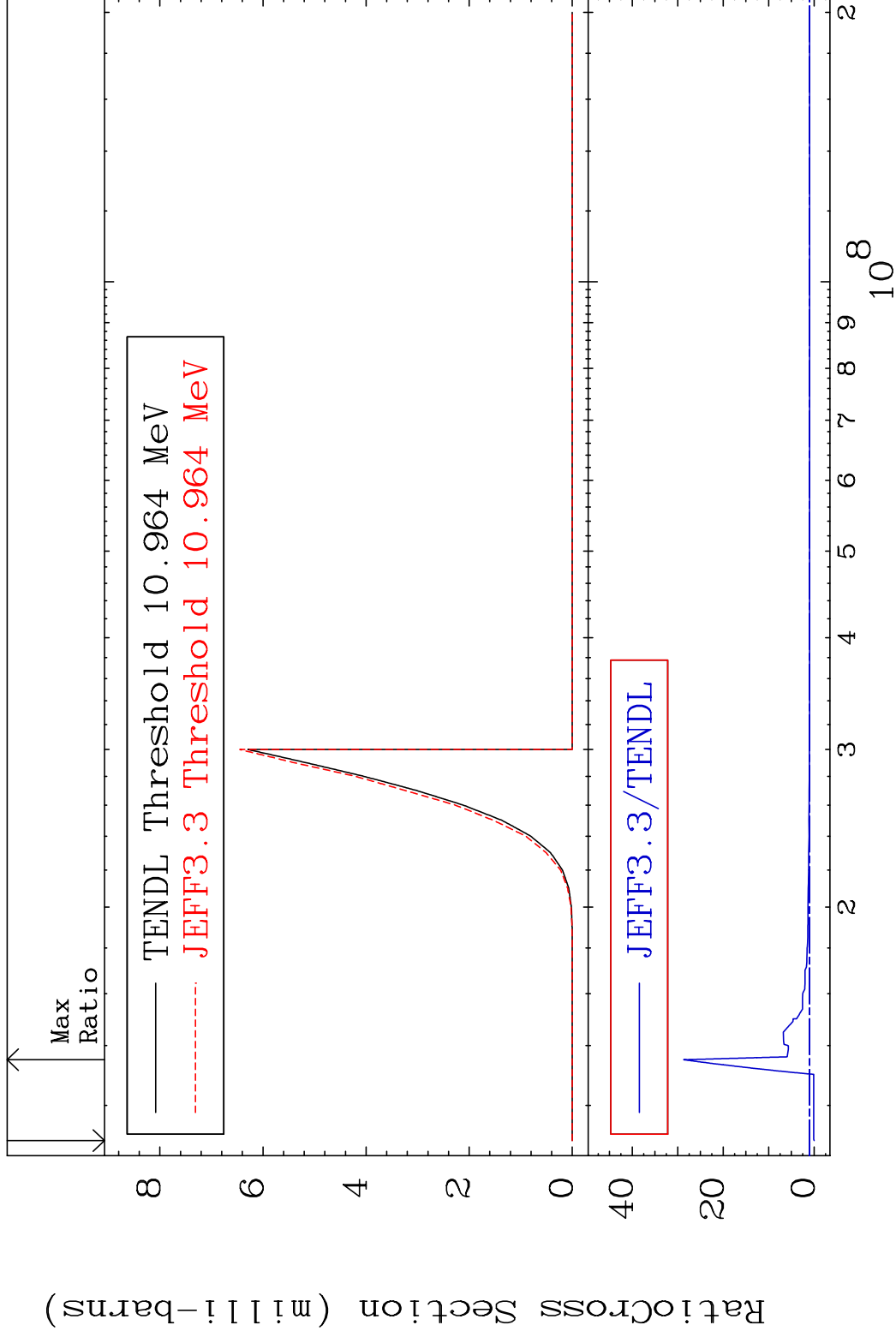
78-Pt-193

MAT 7834

(n, n') d

78-Pt-193

Cross Section -100.0 To 2769. %

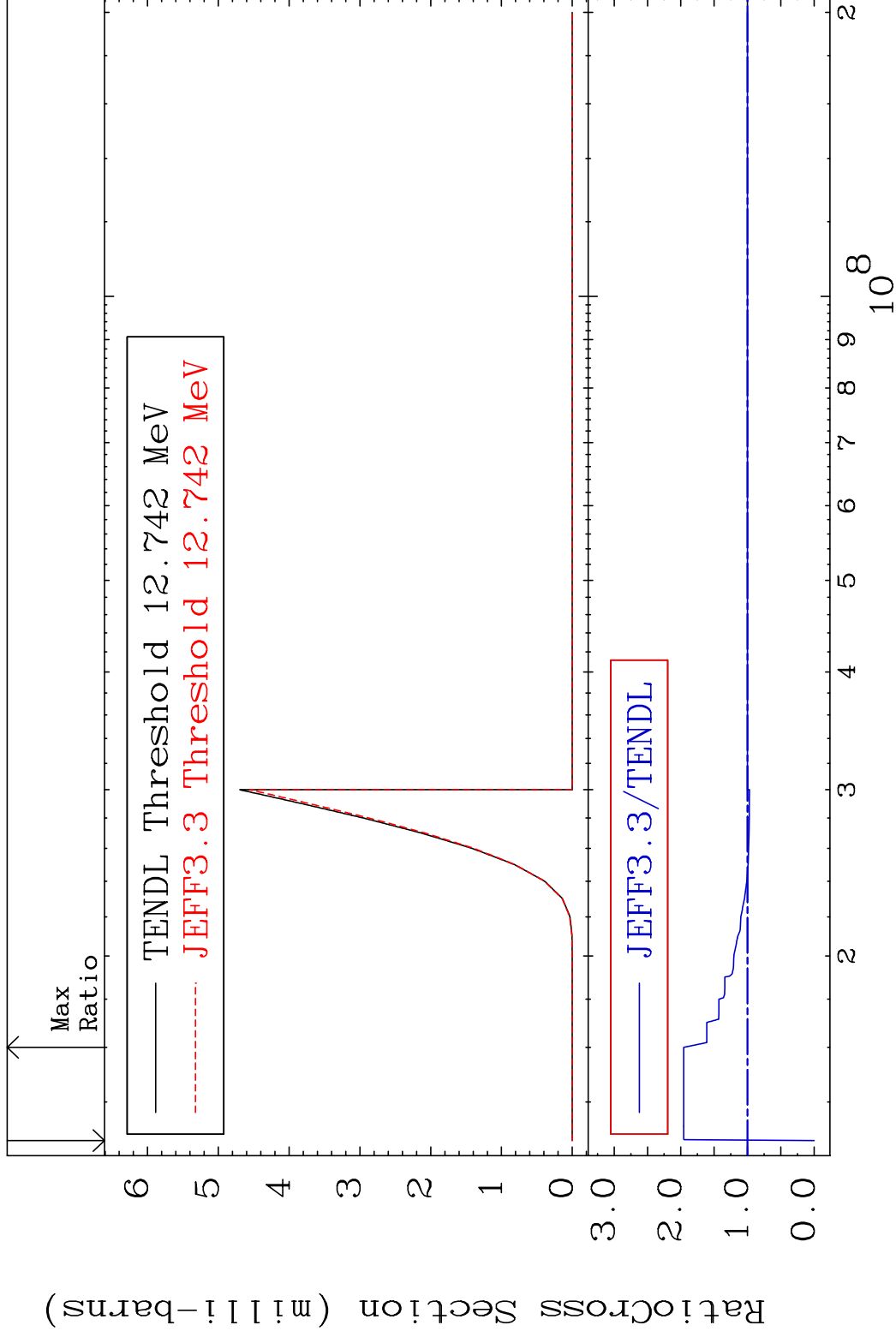


MAT 7834

(n, n') t

78-Pt-193

Cross Section -100.0 To 95.73 %

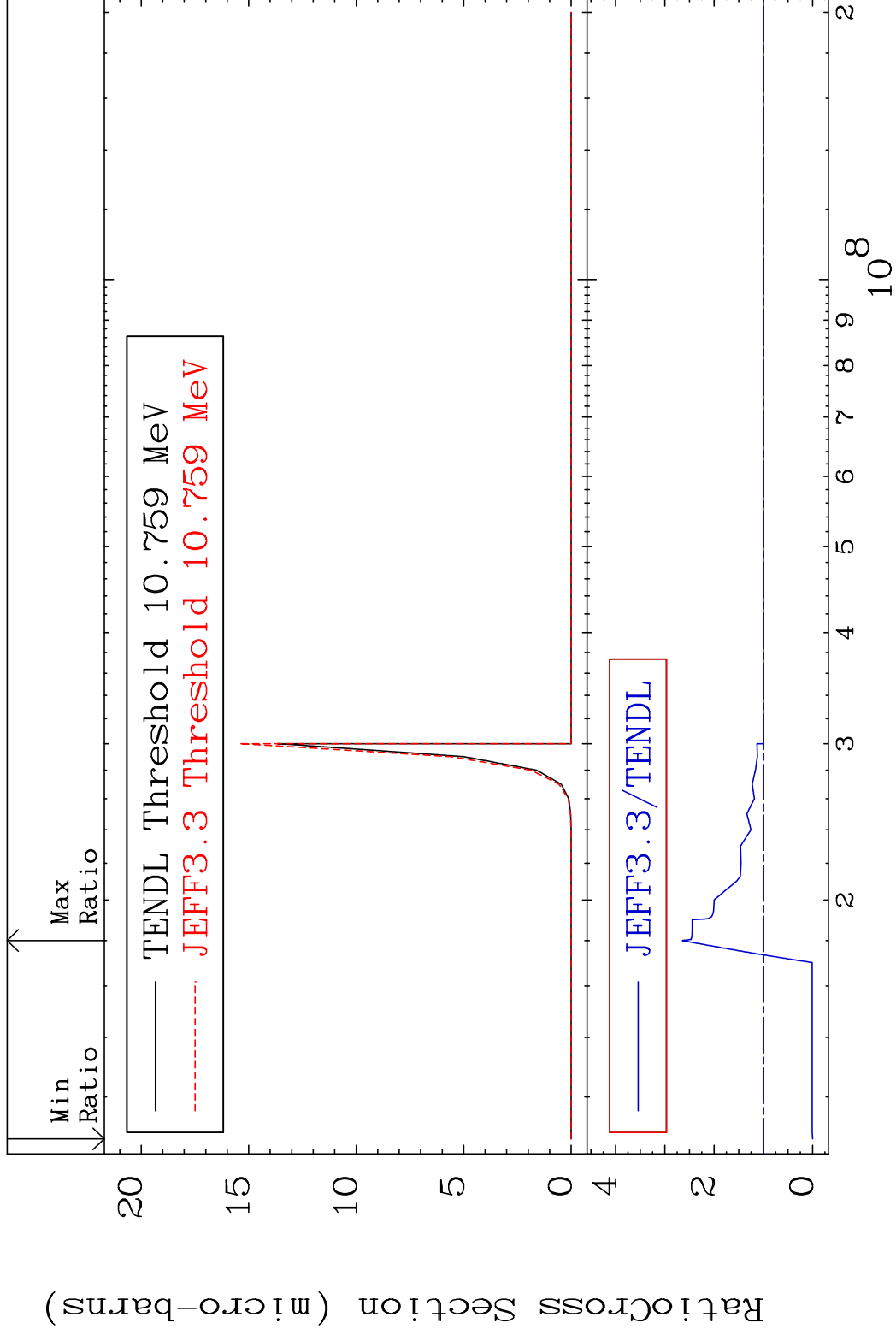


MAT 7834

(n,n') He-3

78-Pt-193

Cross Section -100.0 To 164.5 %



13

Incident Energy (eV)

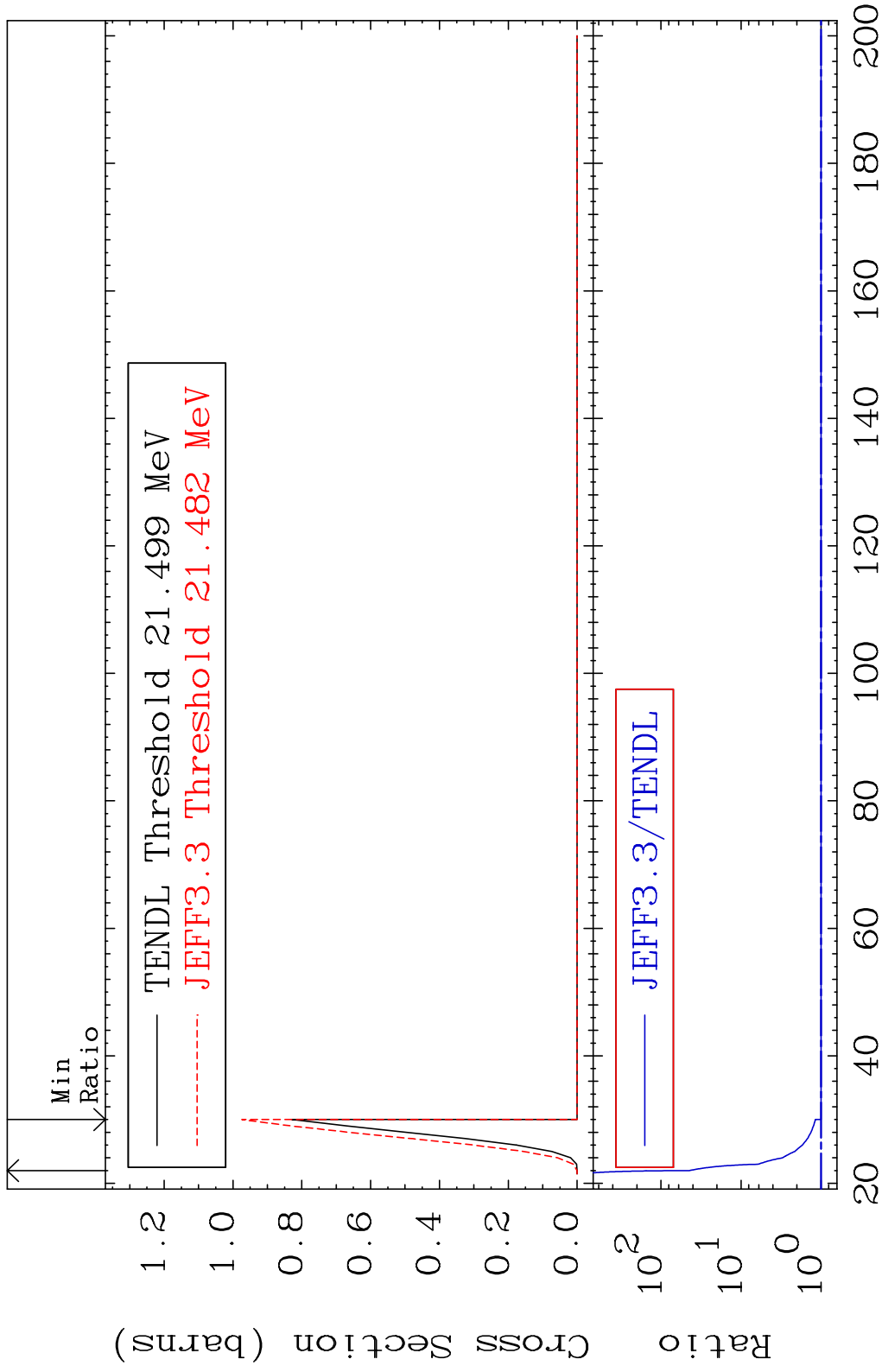
78-Pt-193

MAT 7834

(n,4n)

78-Pt-193

Cross Section 0.000 To 4309. %

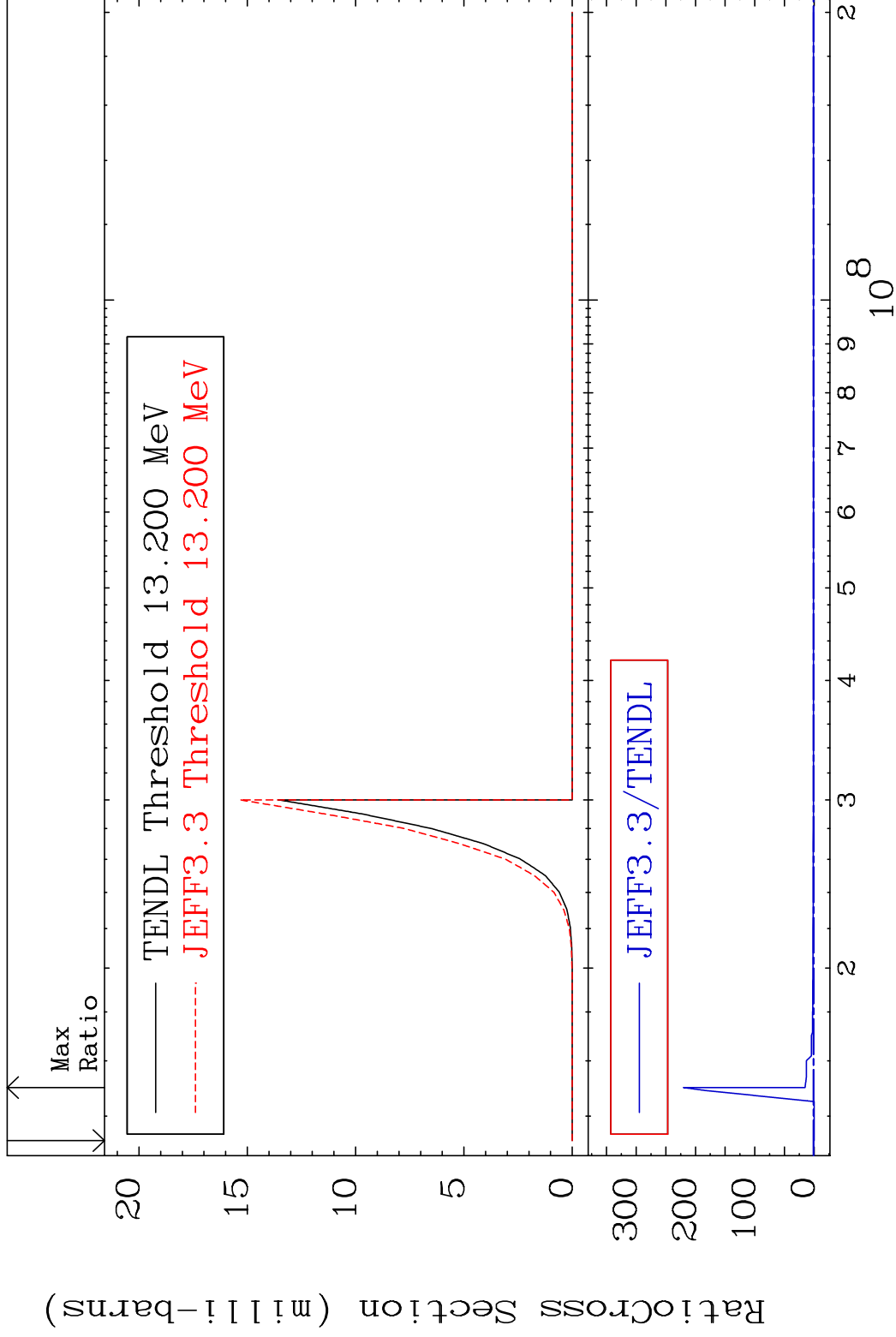


MAT 7834

(n,2n) p

78-Pt-193

Cross Section -100.0 To 9999. %

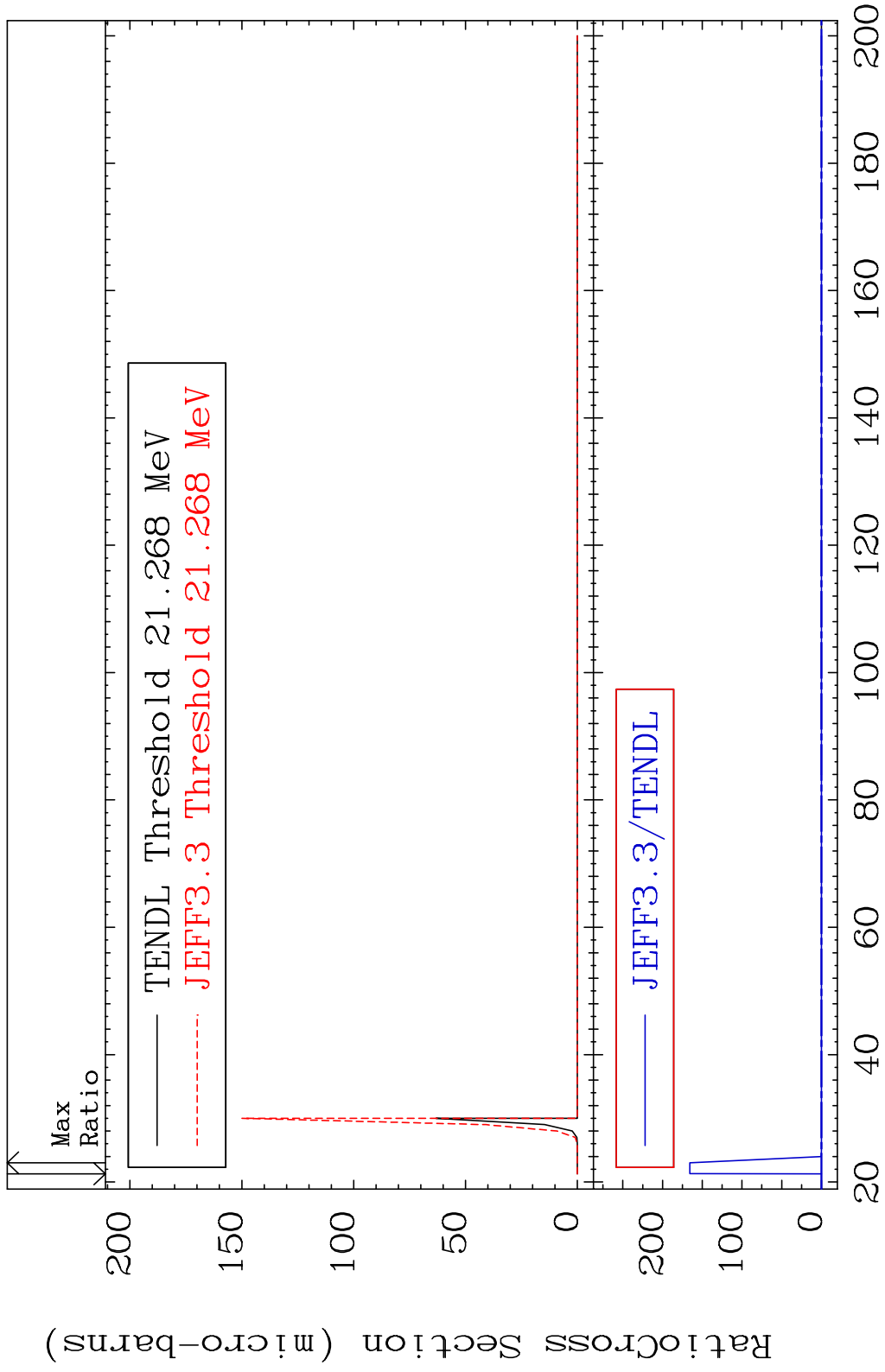


MAT 7834

(n,3n) p

78-Pt-193

Cross Section -100.0 To 9999. %



16

Incident Energy (MeV)

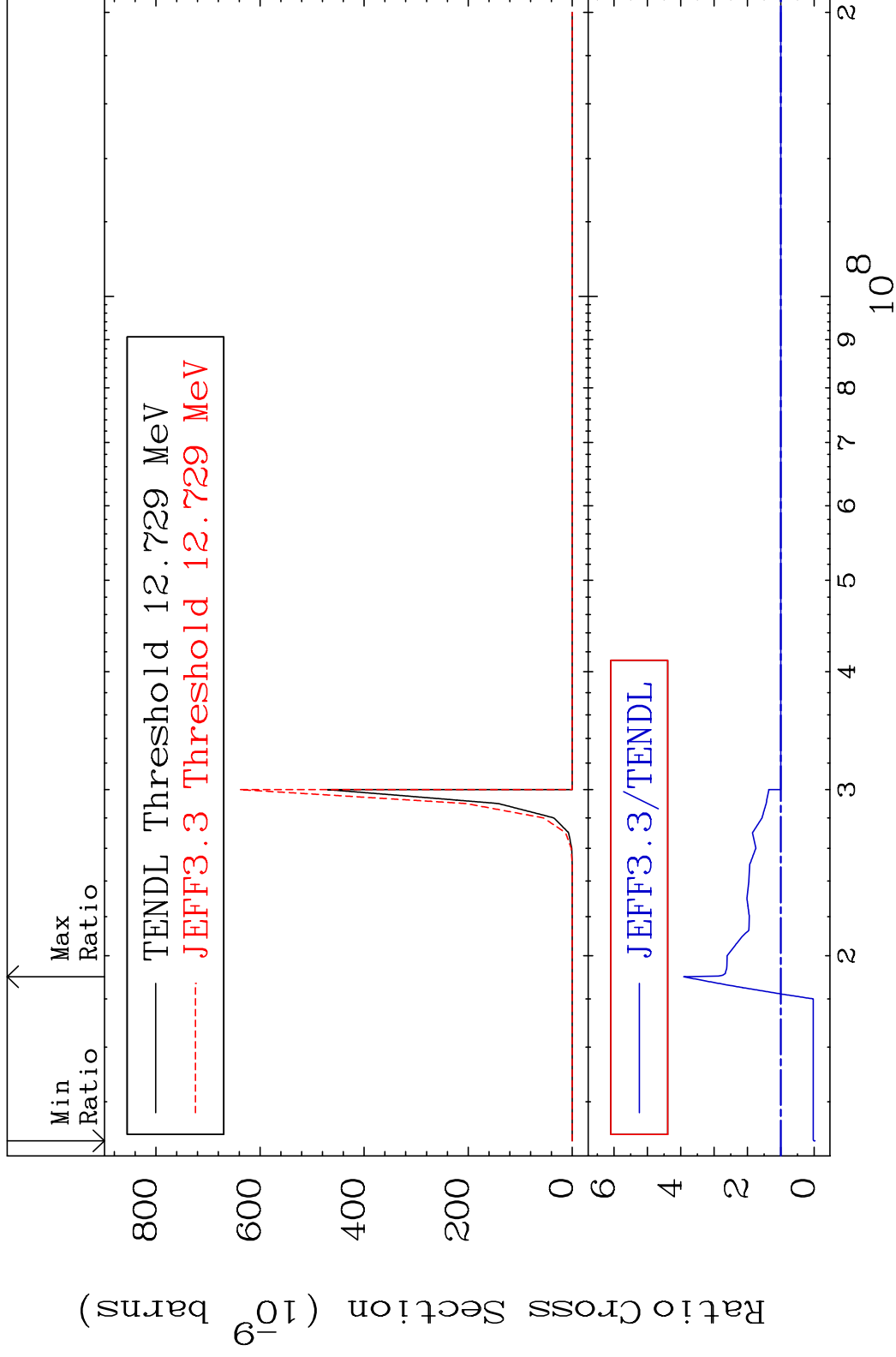
78-Pt-193

MAT 7834

(n,2n) p

78-Pt-193

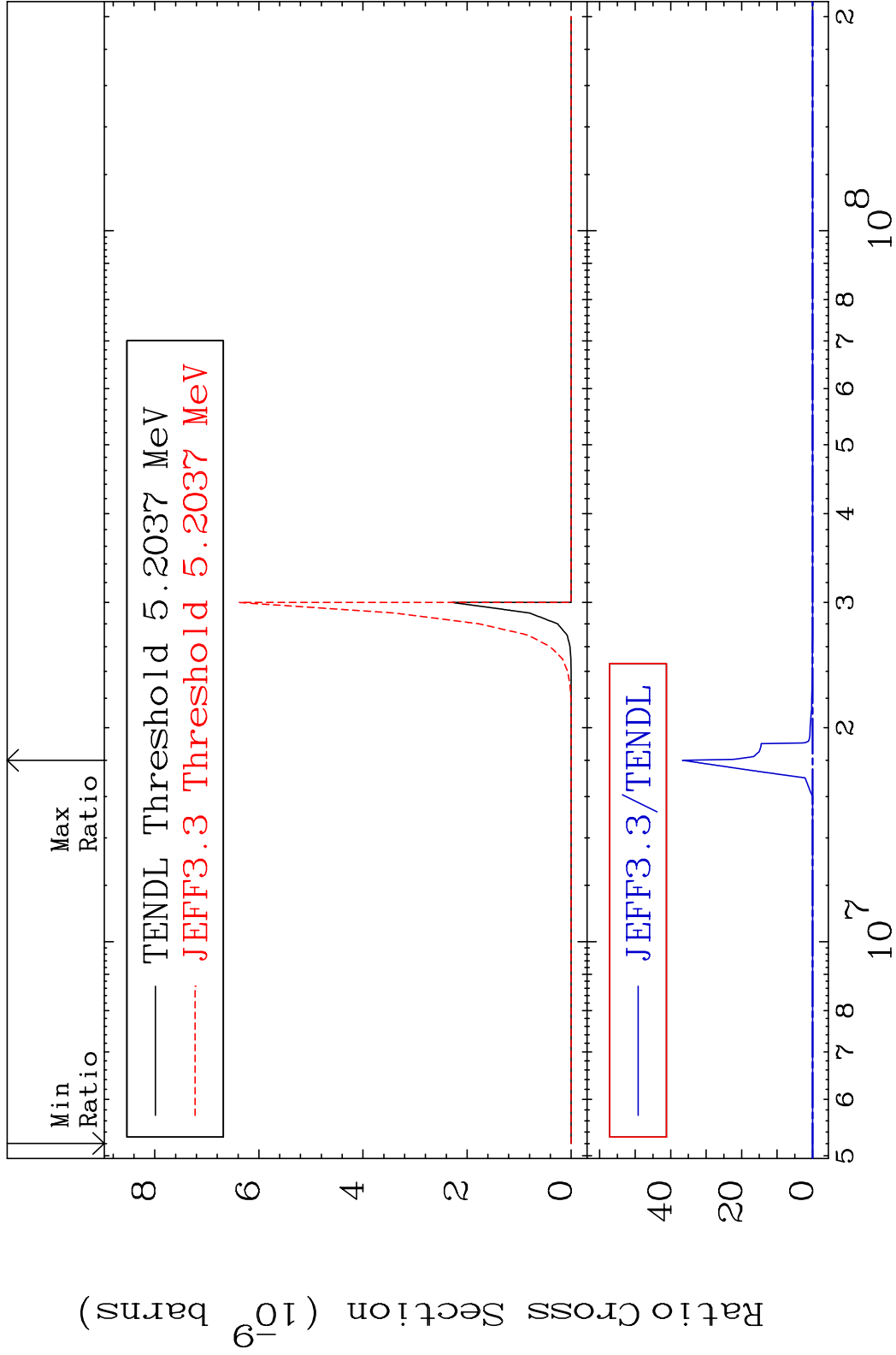
Cross Section -100.0 To 291.3 %



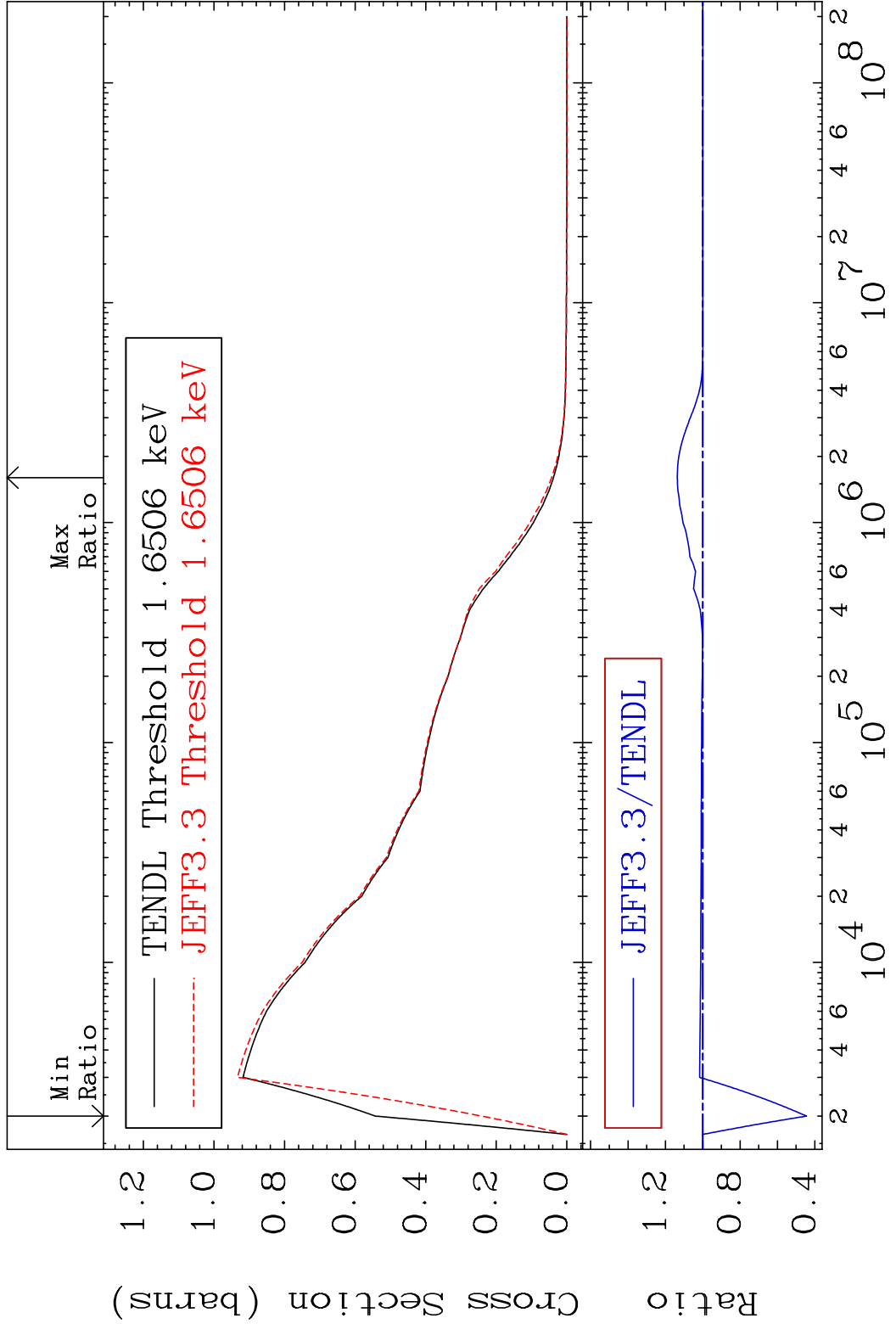
MAT 7834

(n,n') p α 78-Pt-193

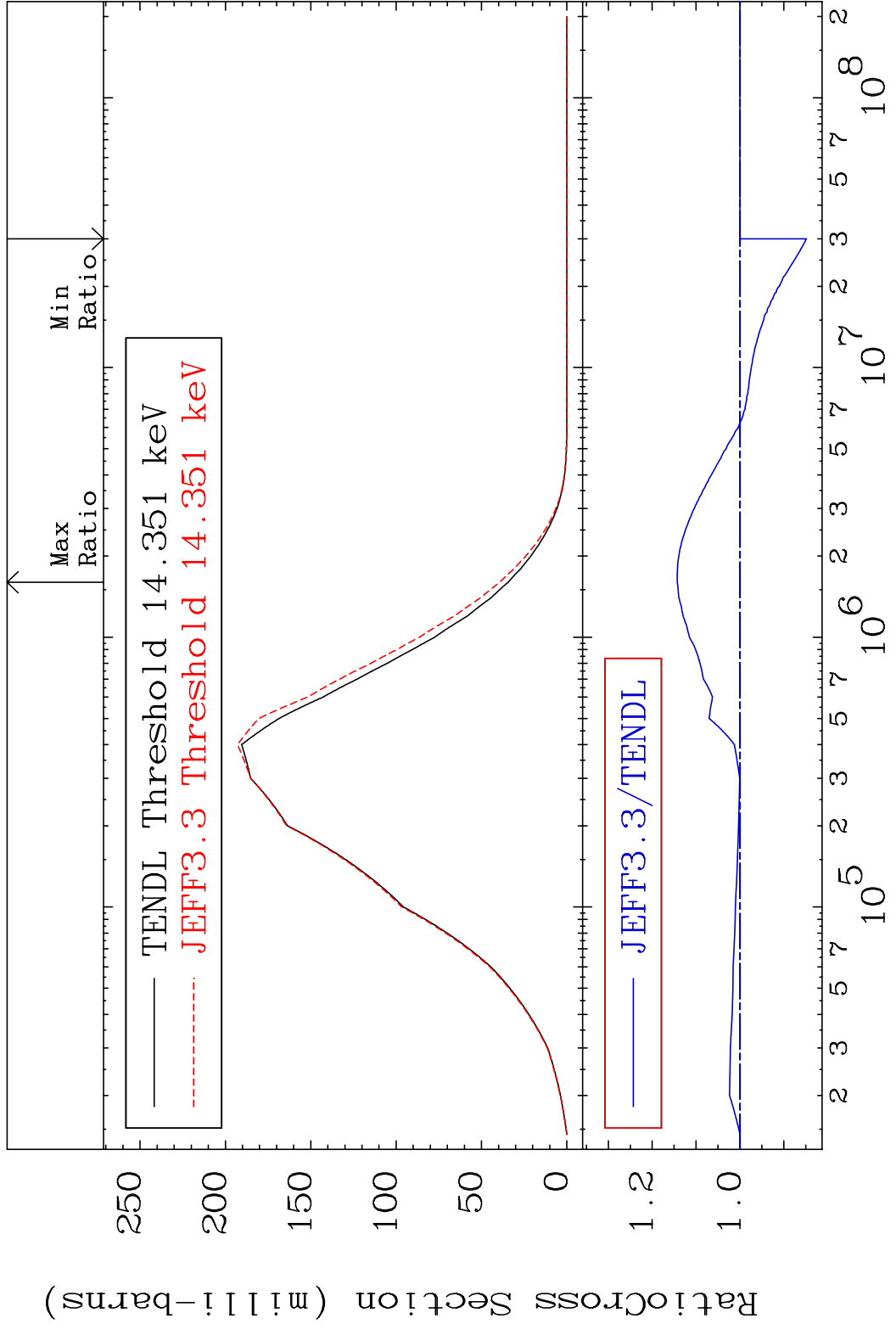
Cross Section -100.0 To 9999. %



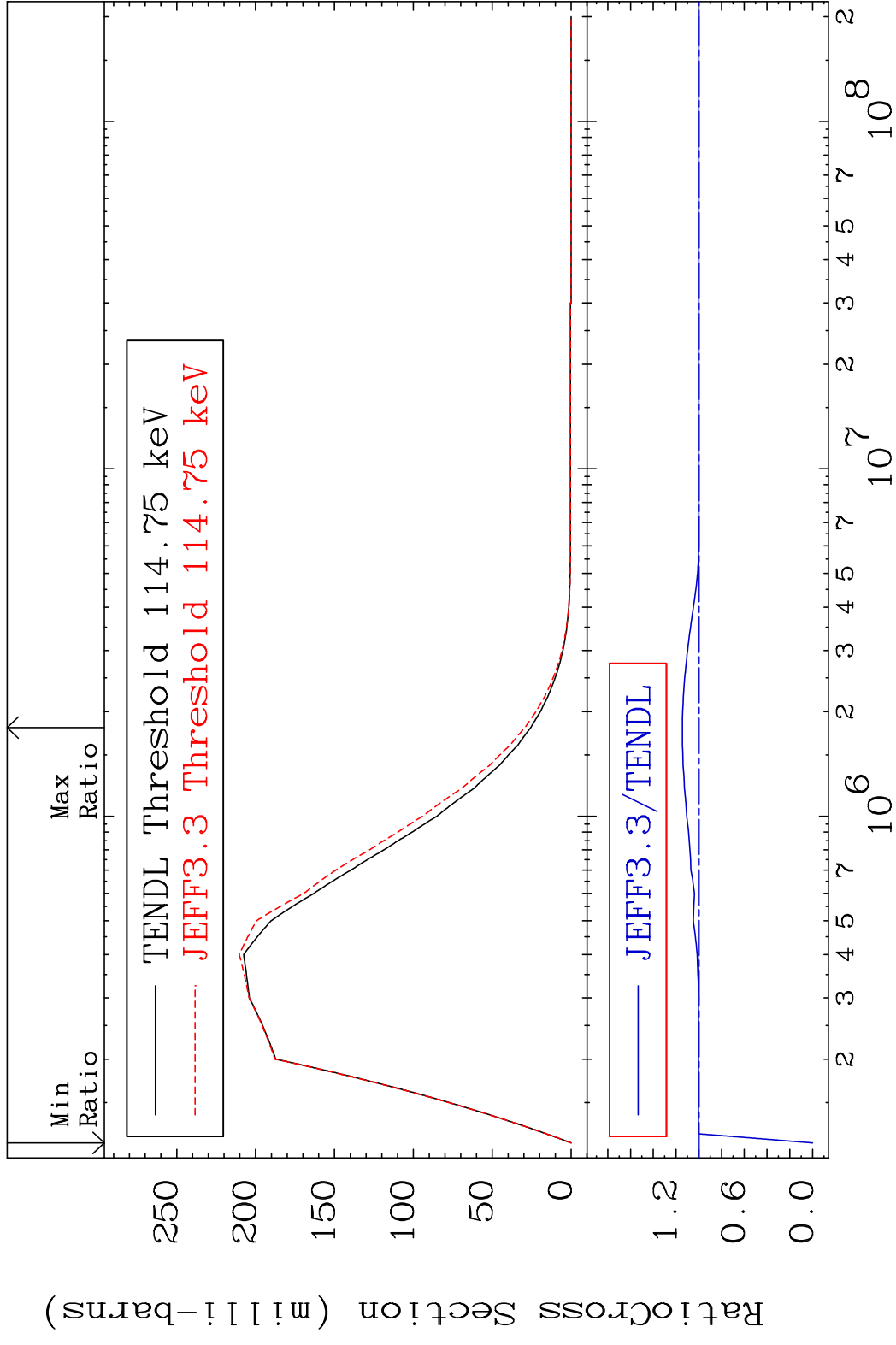
MAT 7834 MT= 51 (n, n') Level 78-Pt-193
 Cross Section -55.49 To 13.68 %



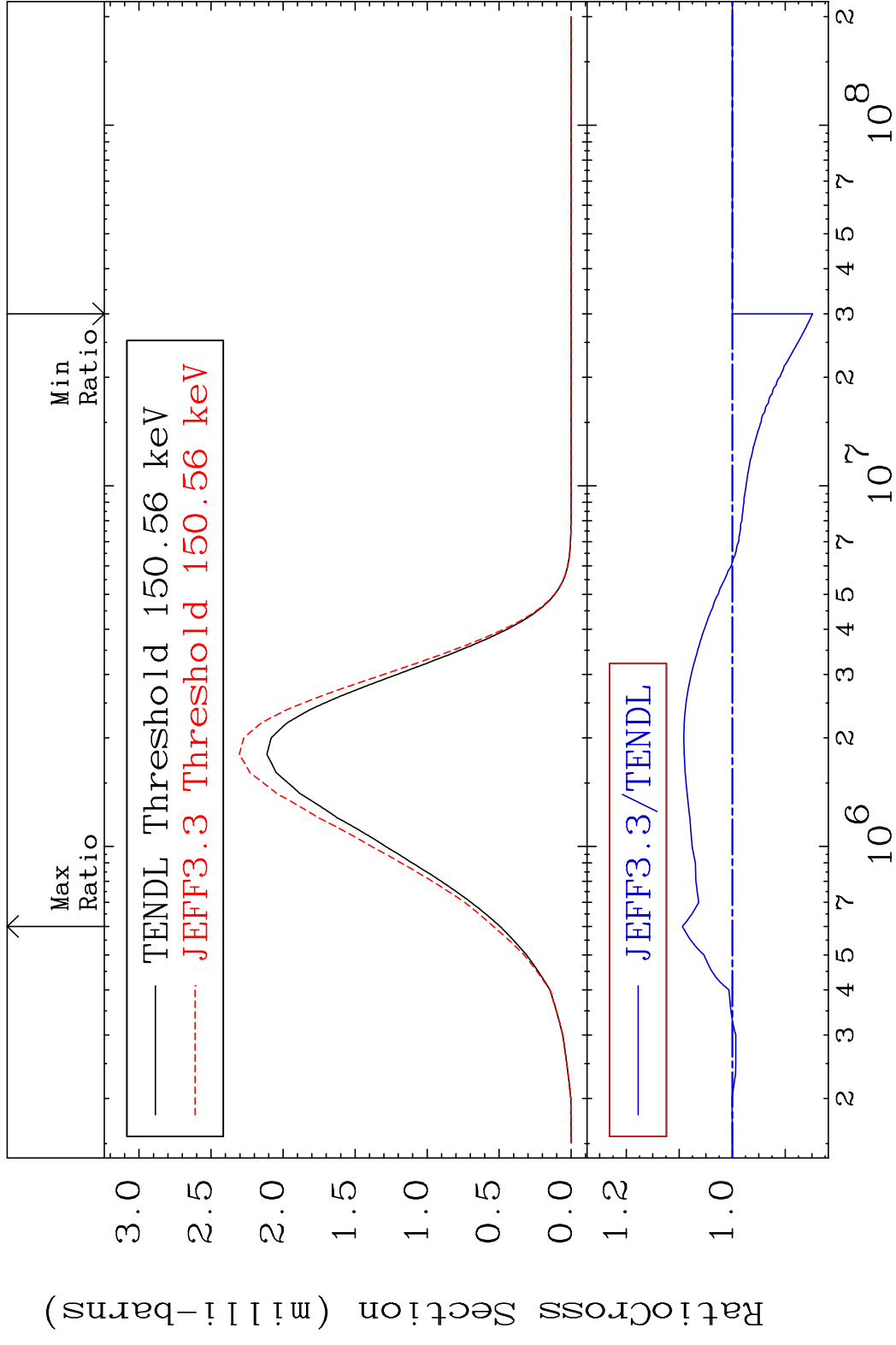
MAT 7834 MT= 52 (n, n') Level 78-Pt-193
 Cross Section -15.12 To 14.31 %



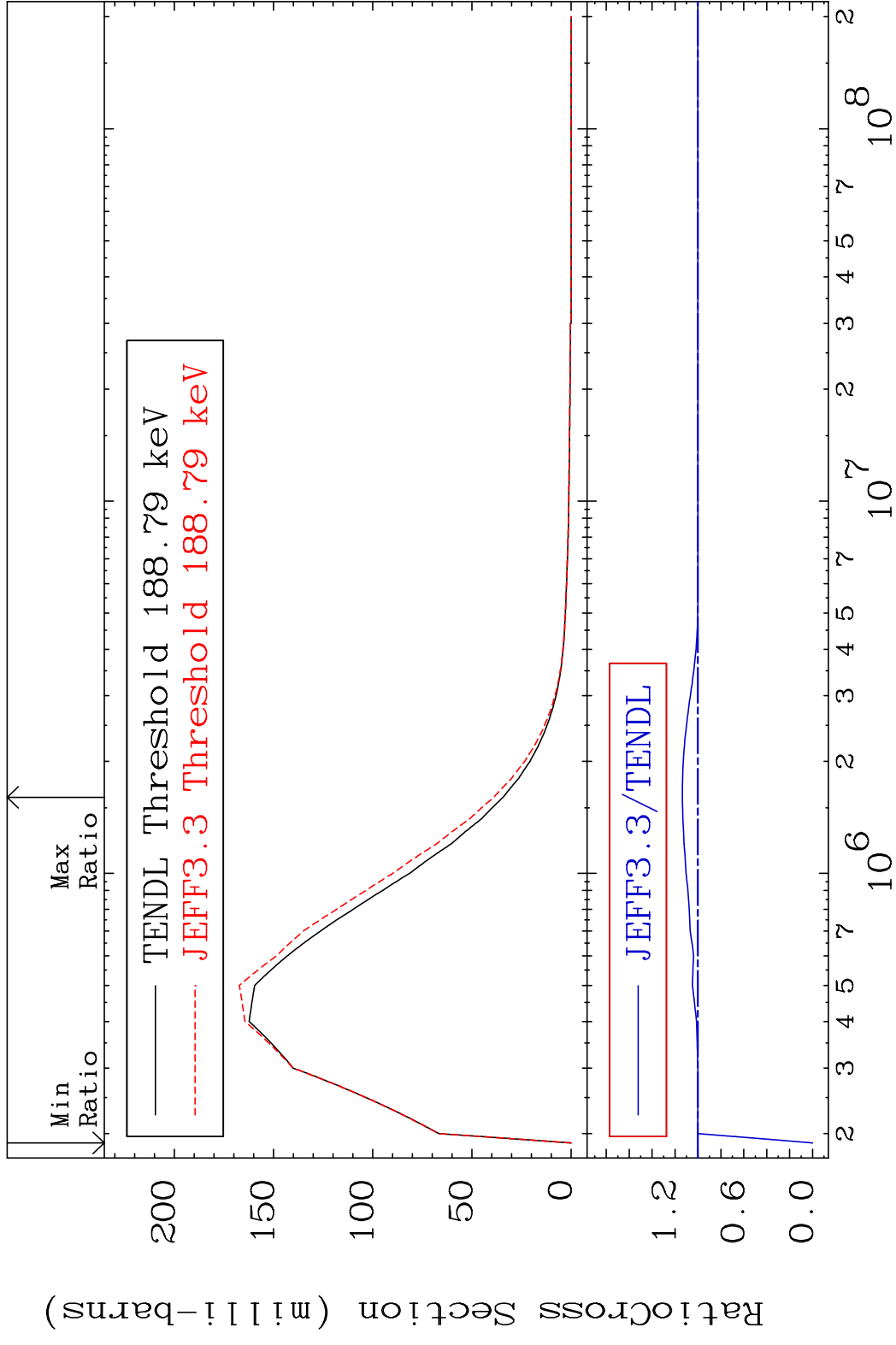
MAT 7834 MT= 53 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 14.45 %



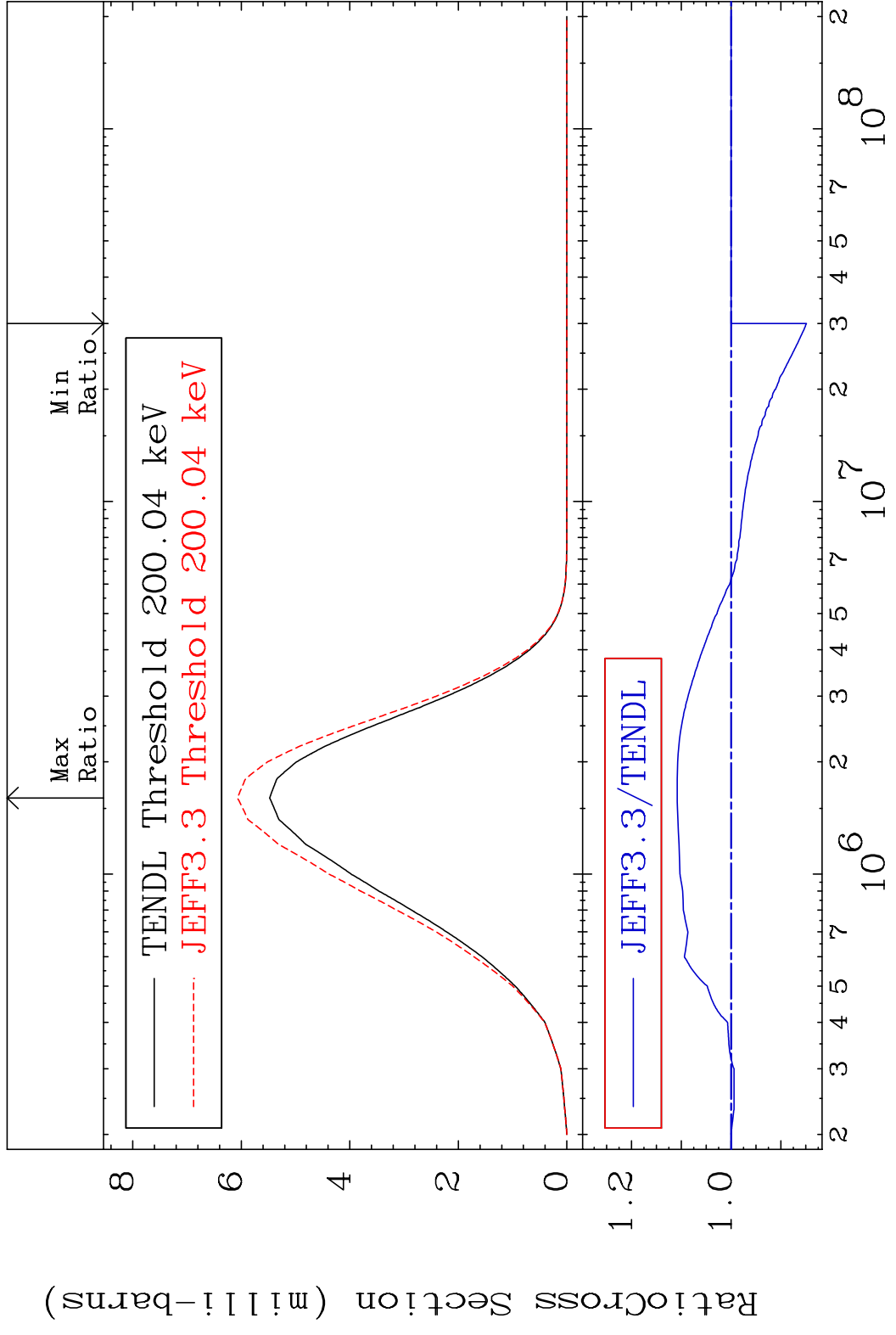
MAT 7834 MT= 55 (n,n') Level 78-Pt-193
 Cross Section -15.14 To 9.417 %



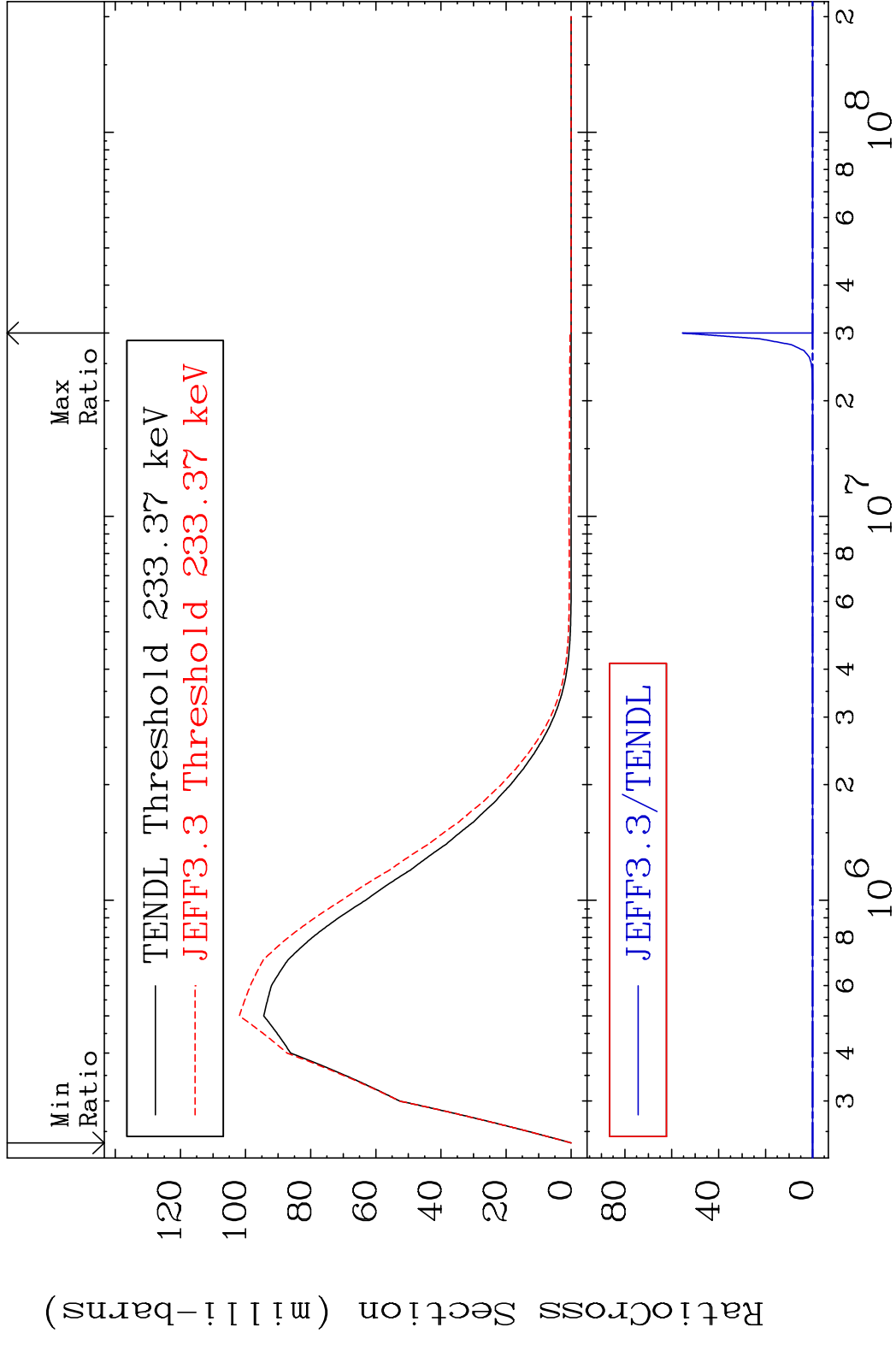
MAT 7834 MT= 56 (n,n') Level 78-Pt-193
 Cross Section -100.0 To 13.63 %



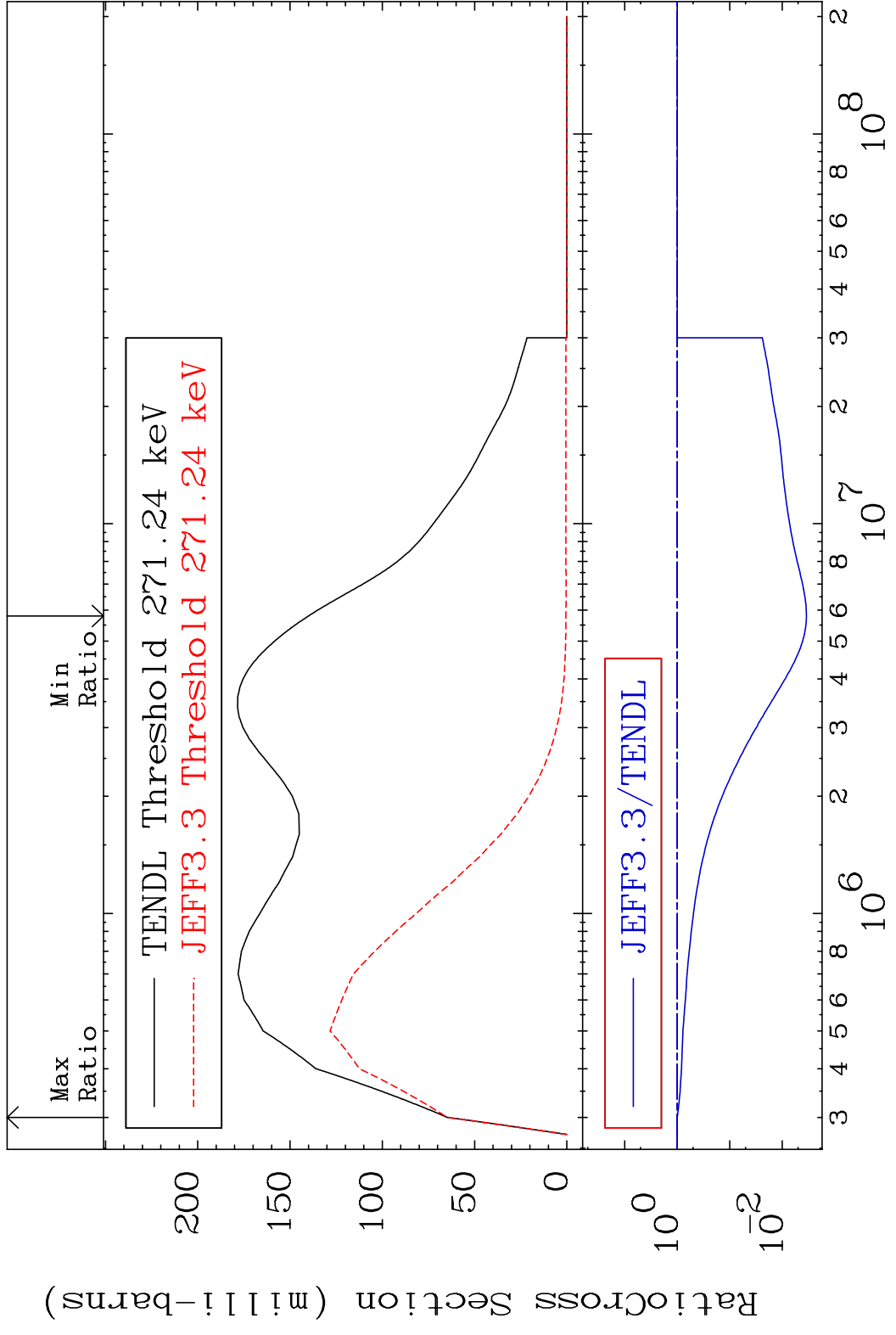
MAT 7834 MT= 57 (n,n') Level 78-Pt-193
 Cross Section -15.13 To 10.82 %



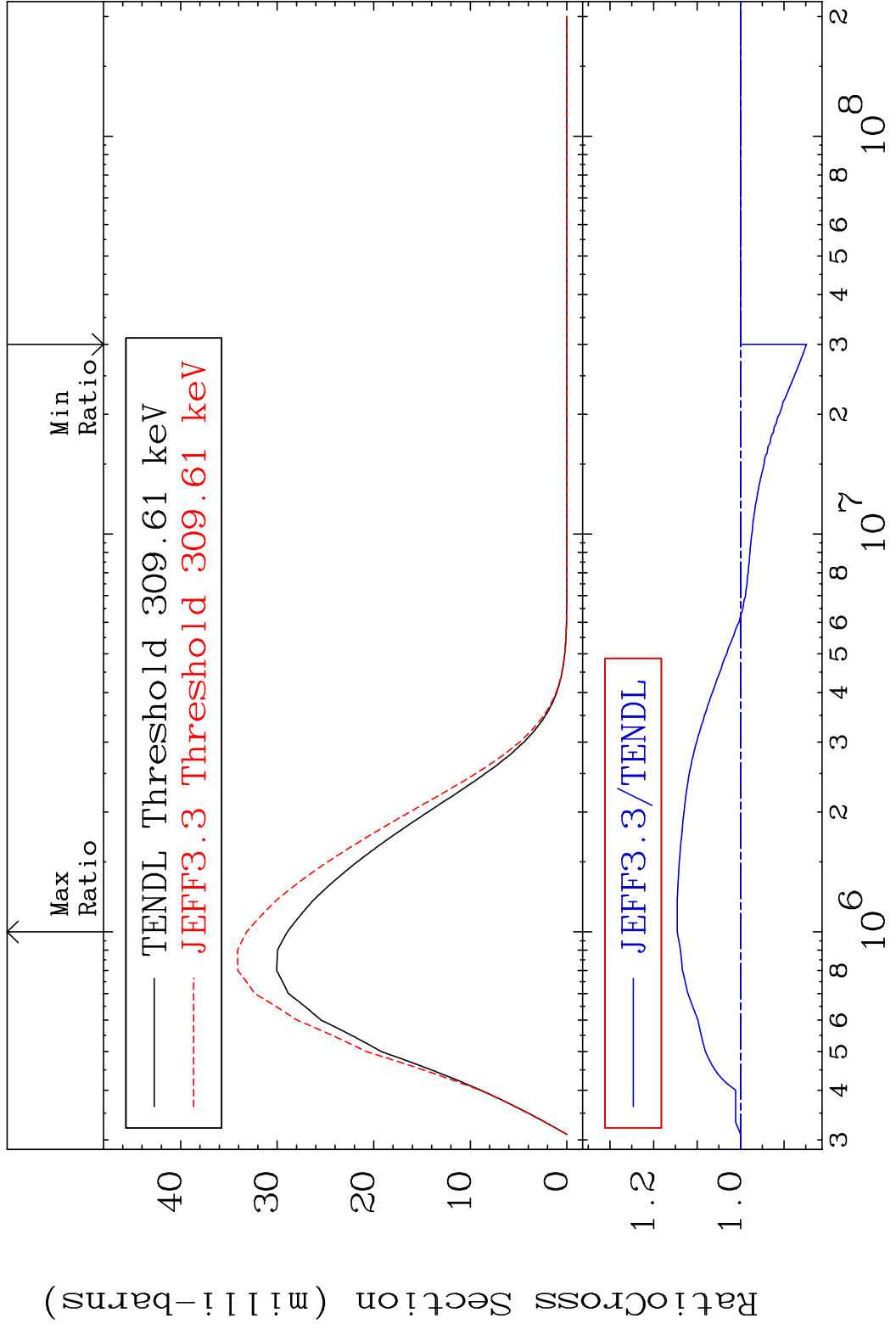
MAT 7834 MT= 58 (n,n') Level 78-Pt-193
 Cross Section -100.0 To 9999. %



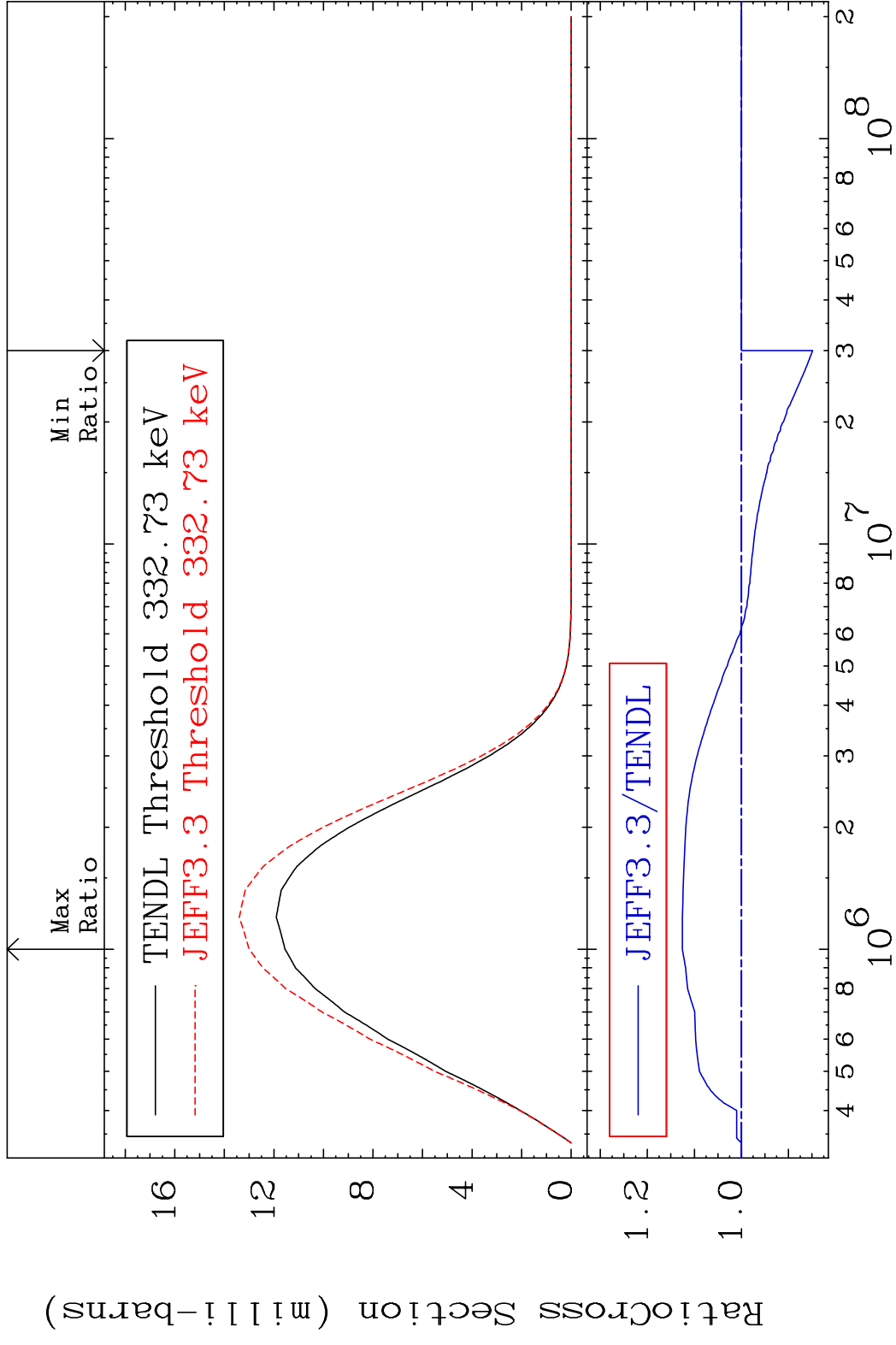
MAT 7834 MT= 59 (n, n') Level 78-Pt-193
 Cross Section -99.65 To 0.058 %



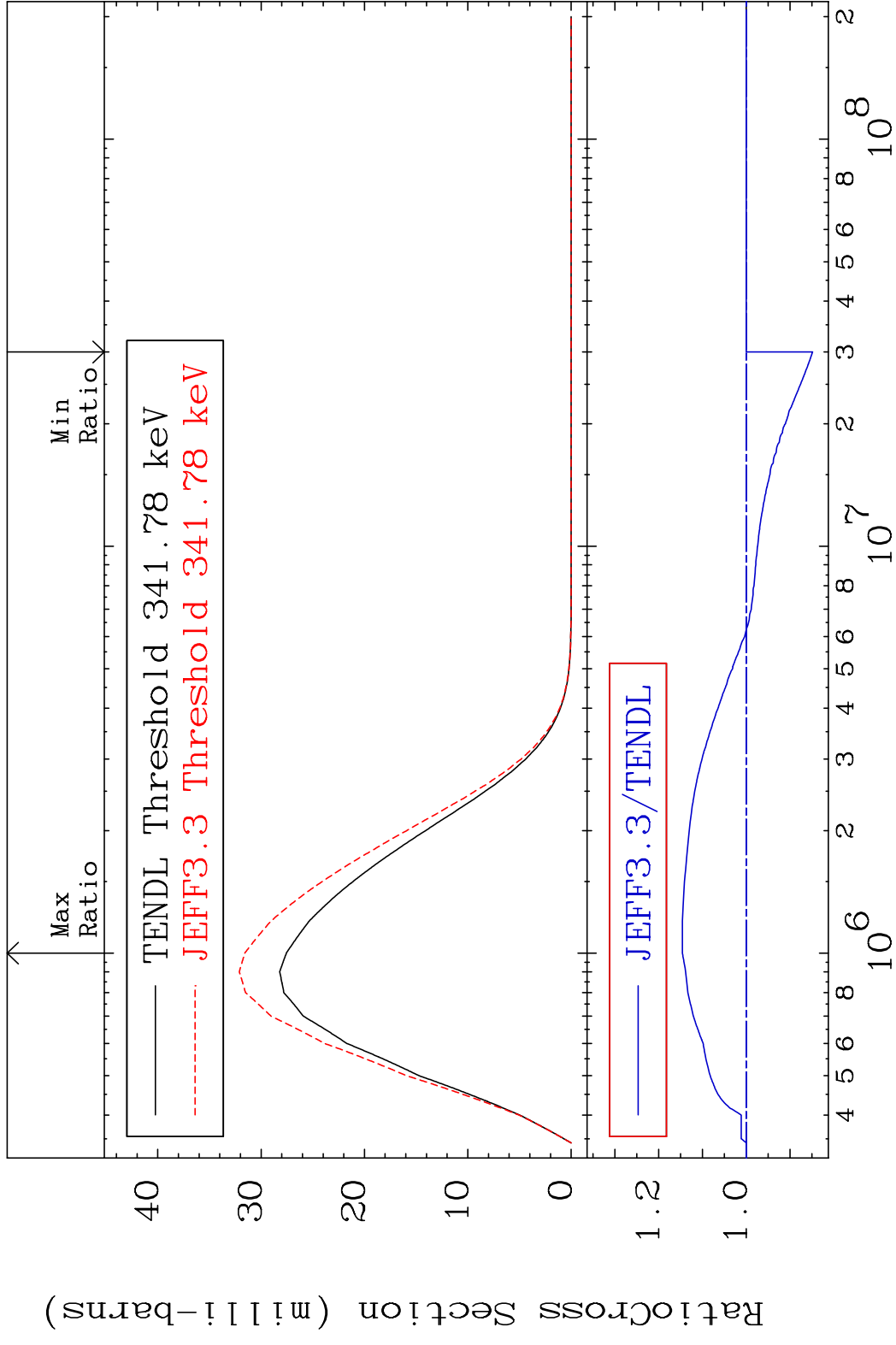
MAT 7834 MT= 60 (n,n') Level 78-Pt-193
 Cross Section -15.12 To 14.58 %



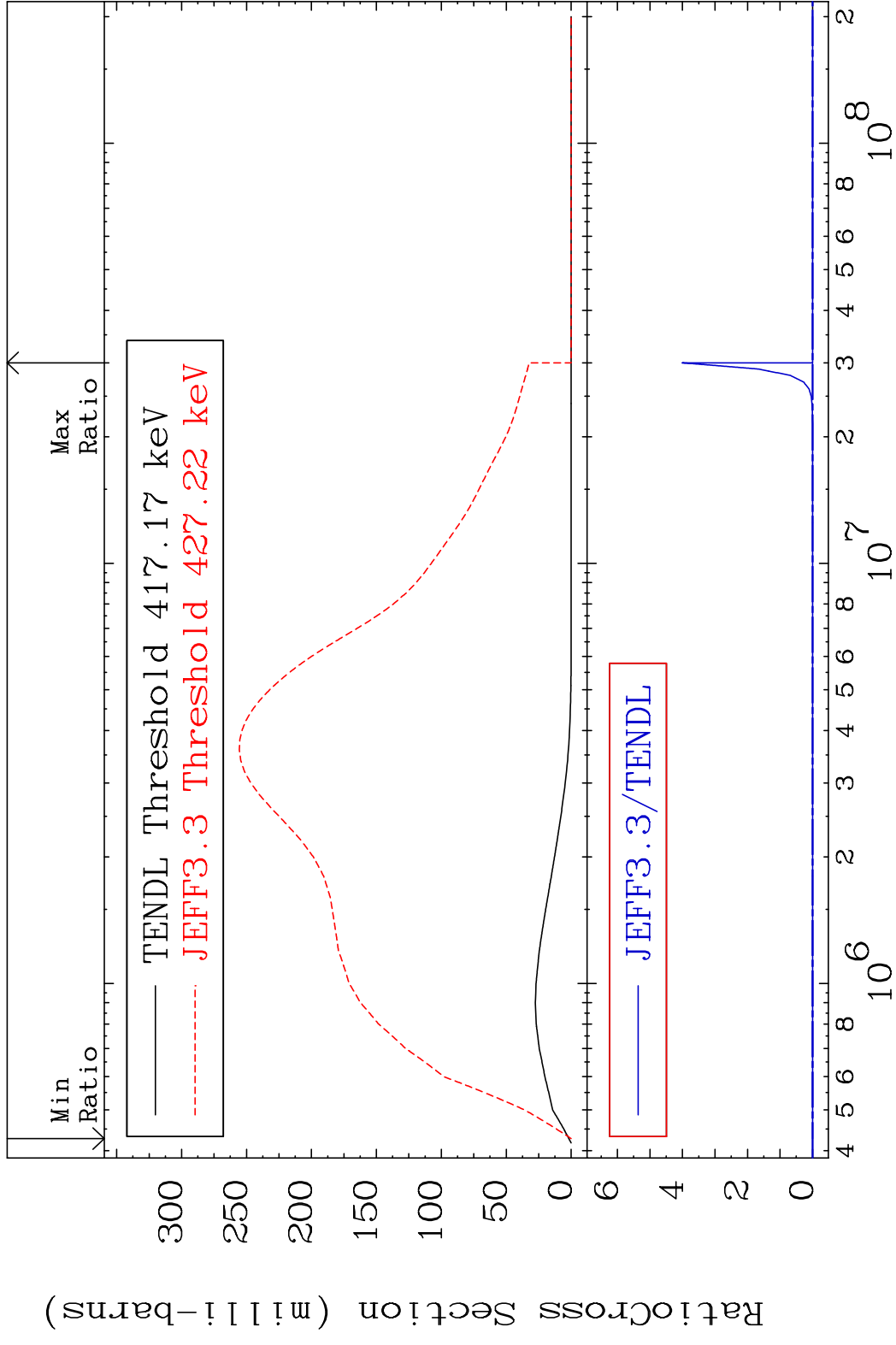
MAT 7834 MT= 61 (n, n') Level 78-Pt-193
 Cross Section -15.13 To 12.56 %



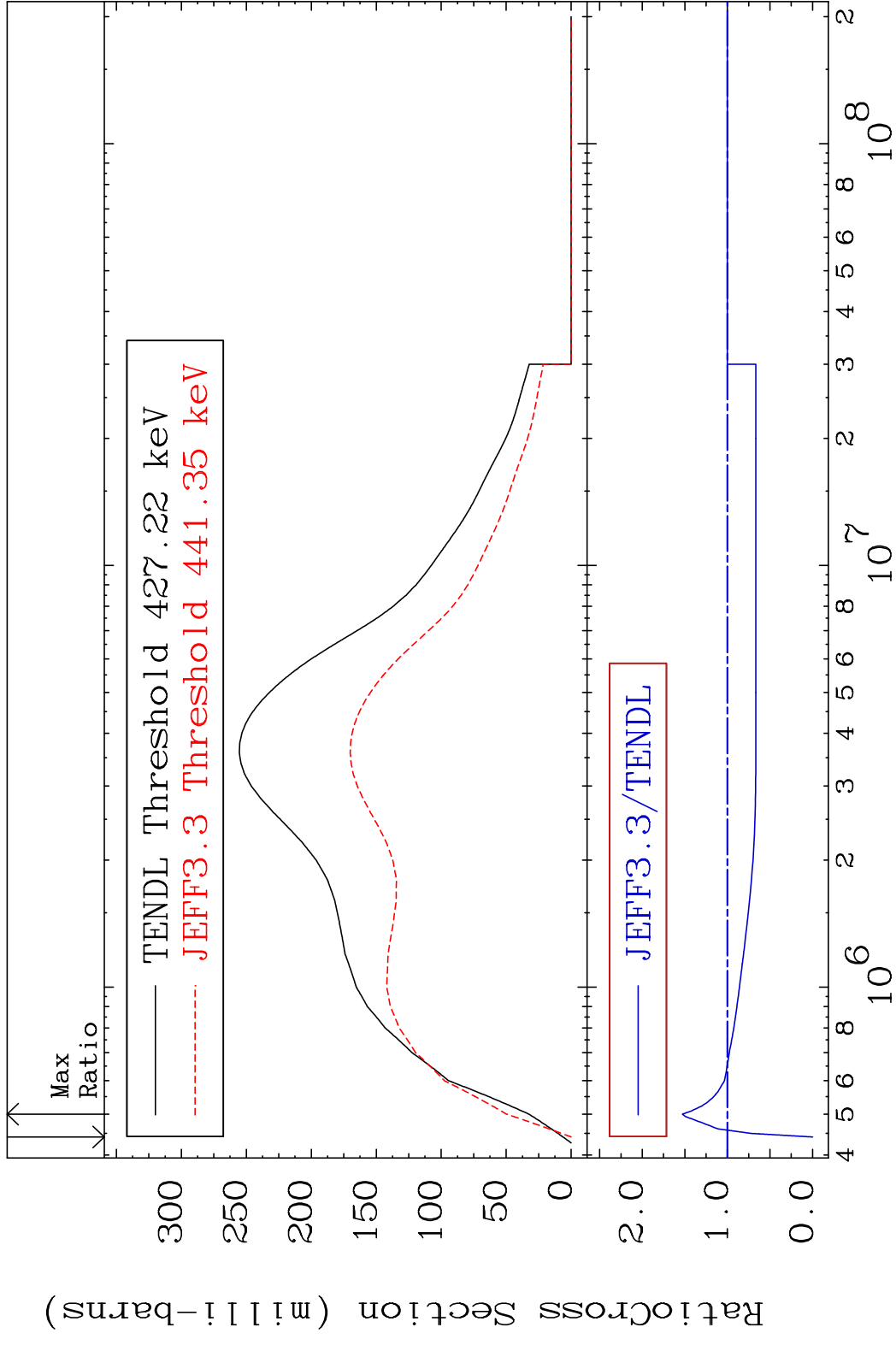
MAT 7834 MT= 62 (n,n') Level 78-Pt-193
 Cross Section -15.12 To 14.60 %



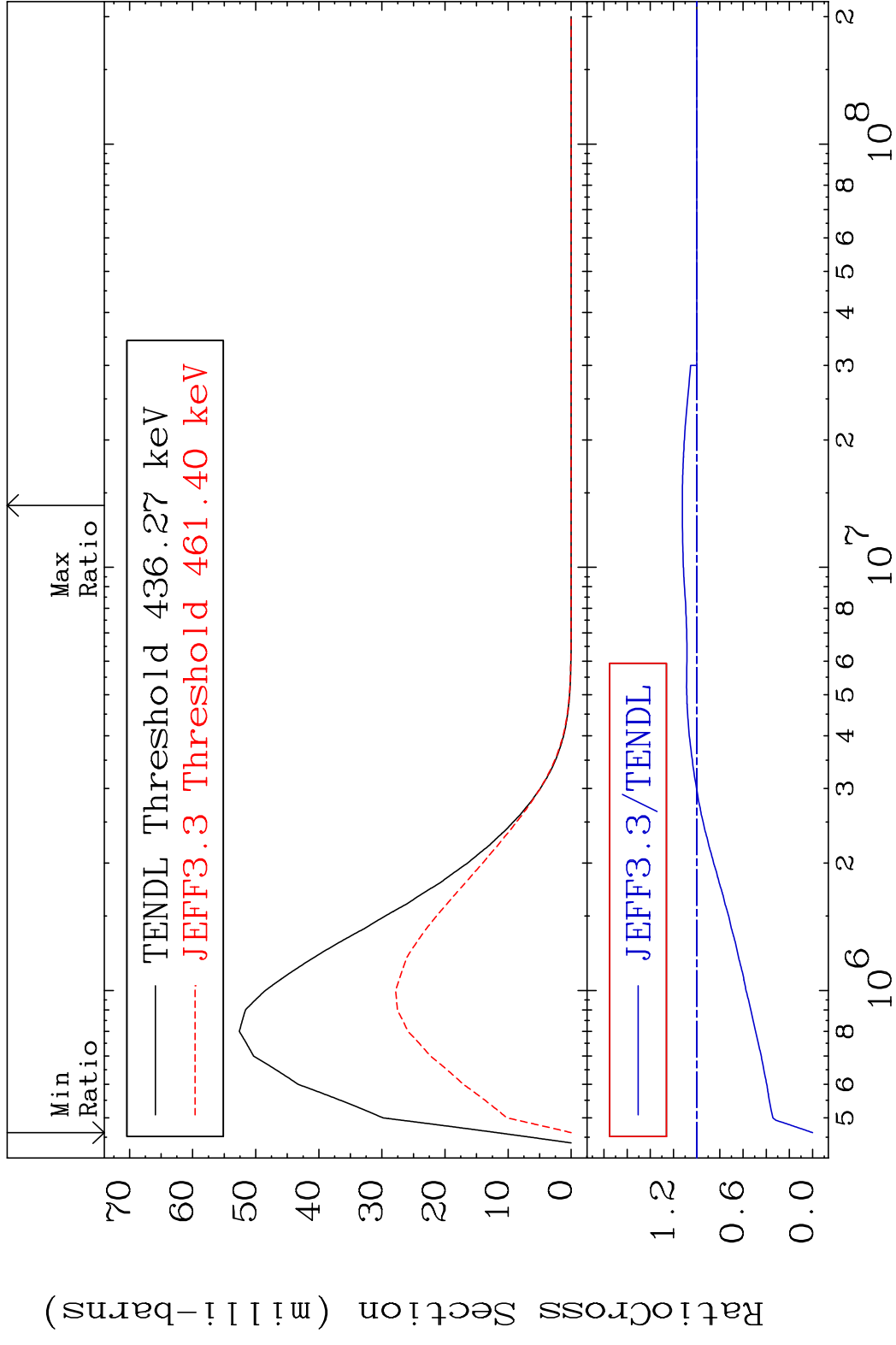
MAT 7834 MT= 63 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 9999. %



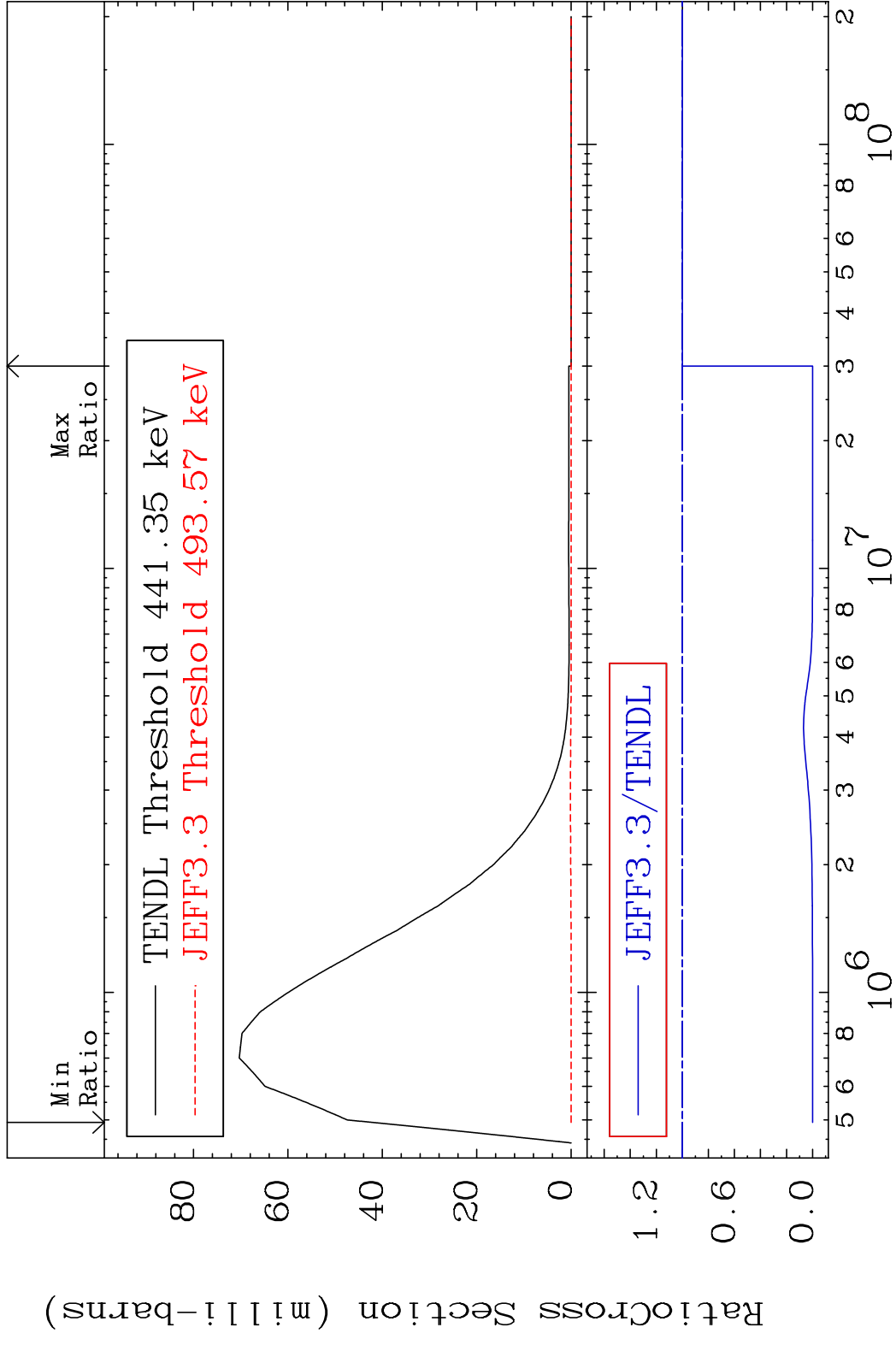
MAT 7834 MT= 64 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 52.88 %



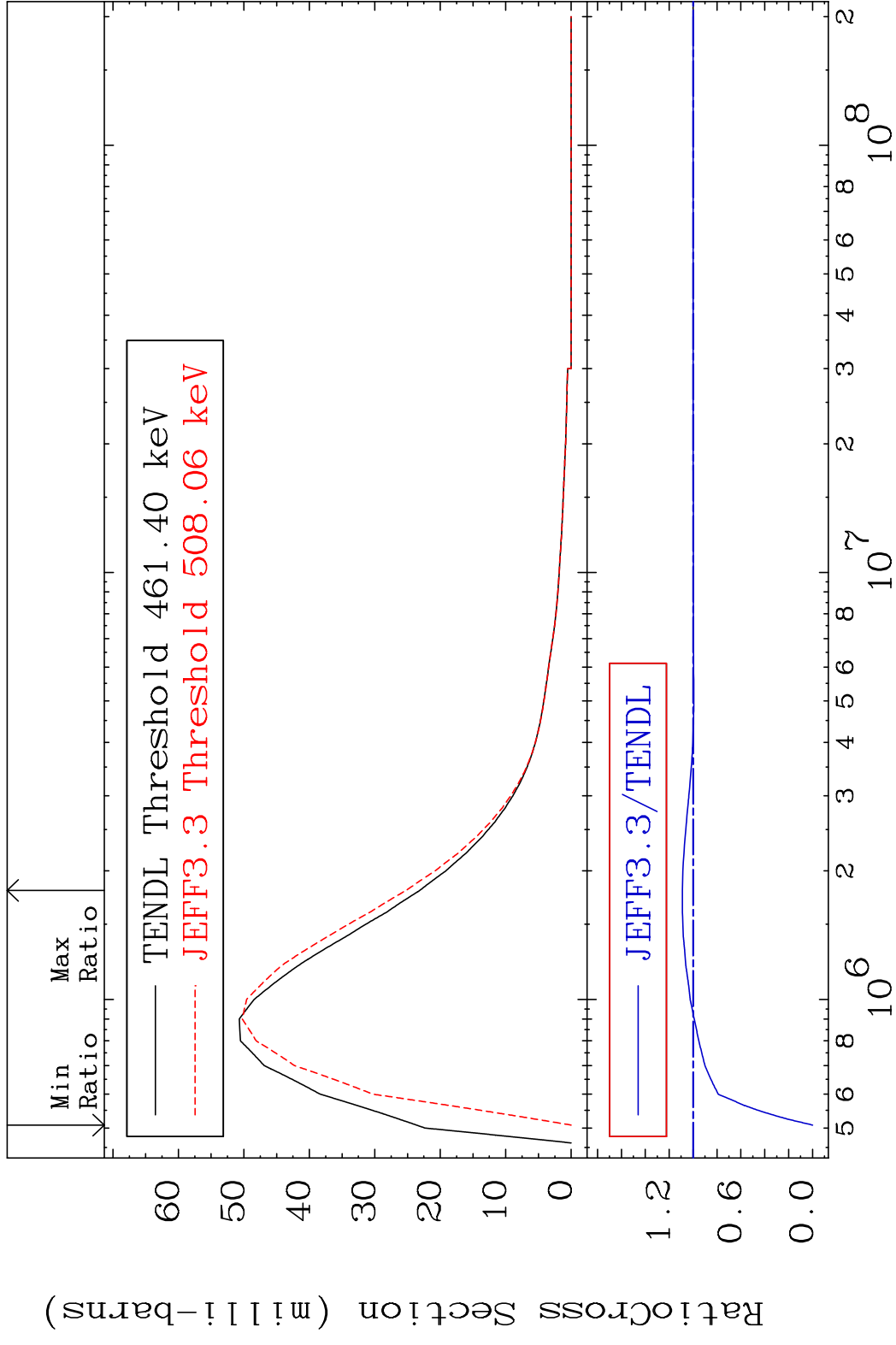
MAT 7834 MT= 65 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 12.35 %



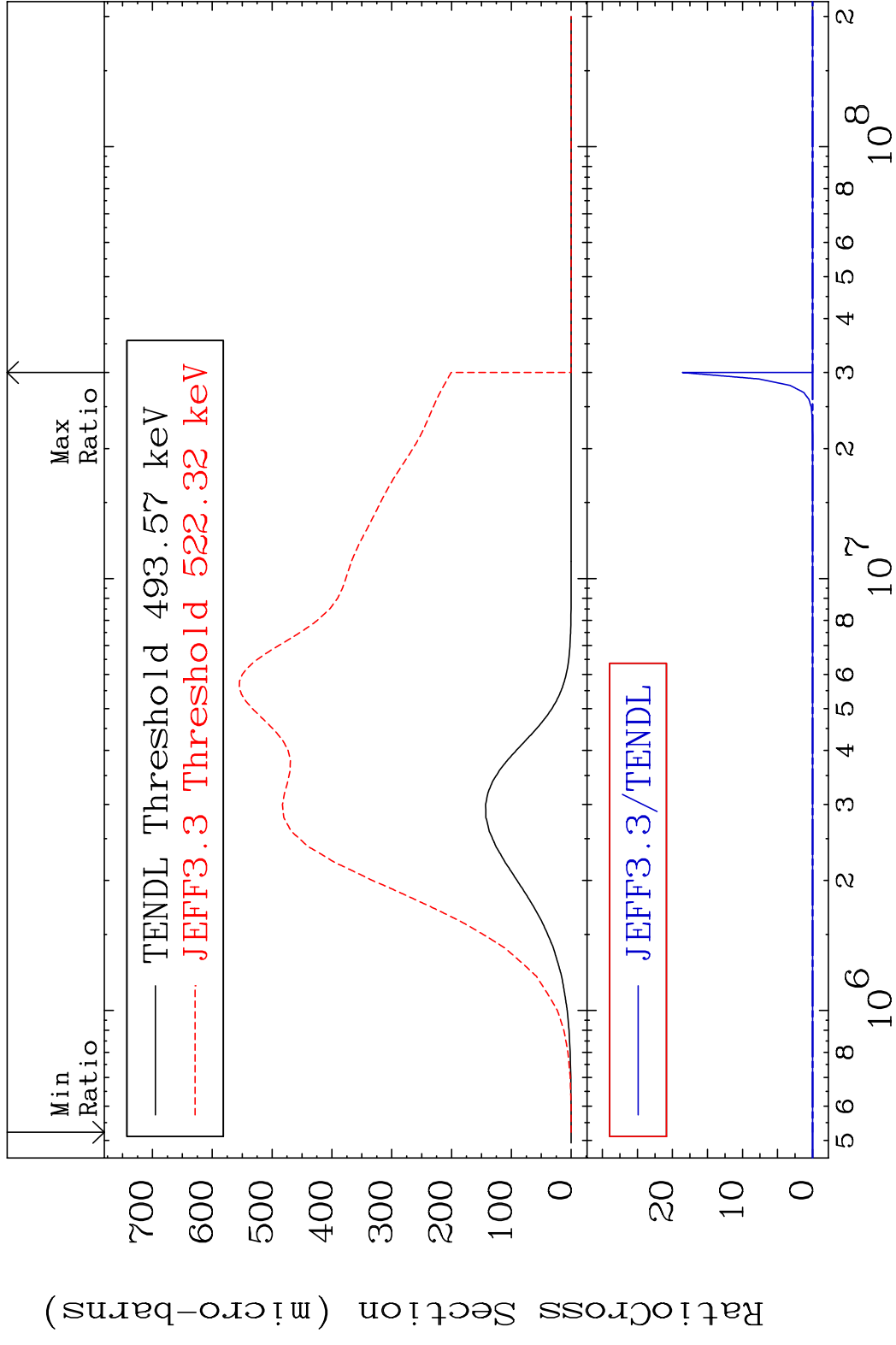
MAT 7834 MT= 66 (n,n') Level 78-Pt-193
 Cross Section -100.0 To 0.000 %



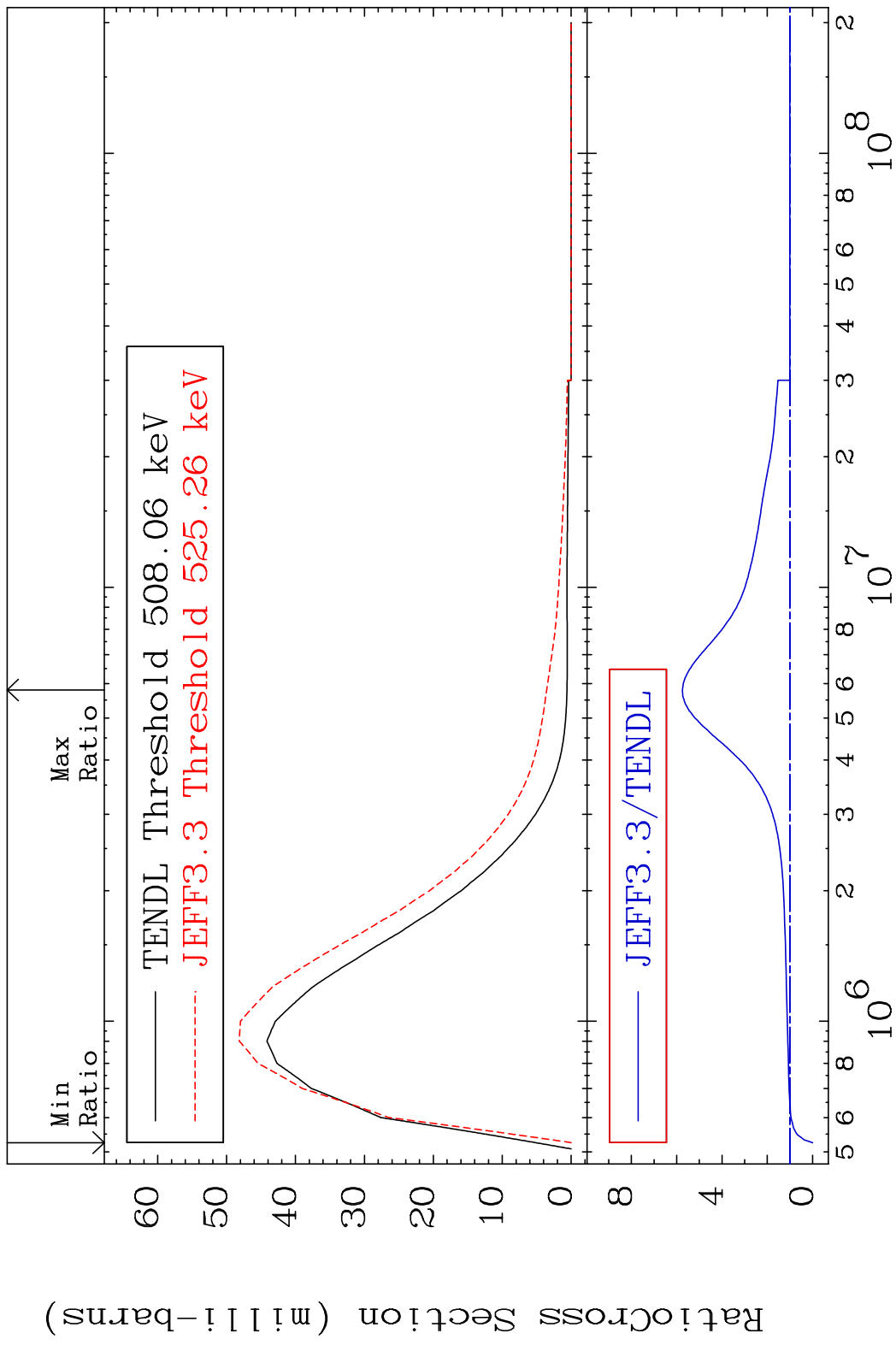
MAT 7834 MT= 67 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 8.975 %



MAT 7834 MT= 68 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 9999. %



MAT 7834 MT= 69 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 474.9 %

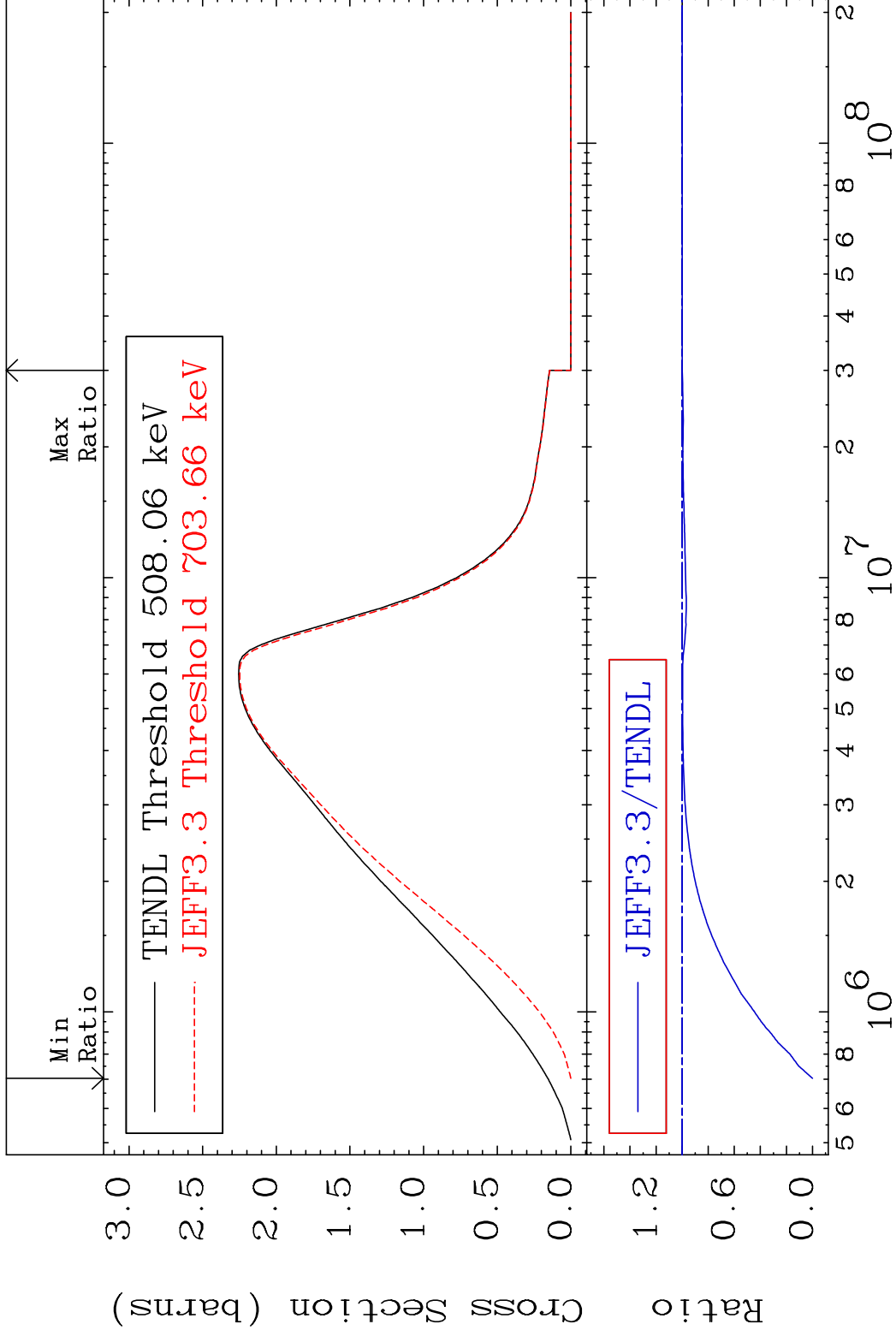


MAT 7834

(n,n') Continuum

78-Pt-193

Cross Section -100.0 To 0.000 %



38

Incident Energy (eV)

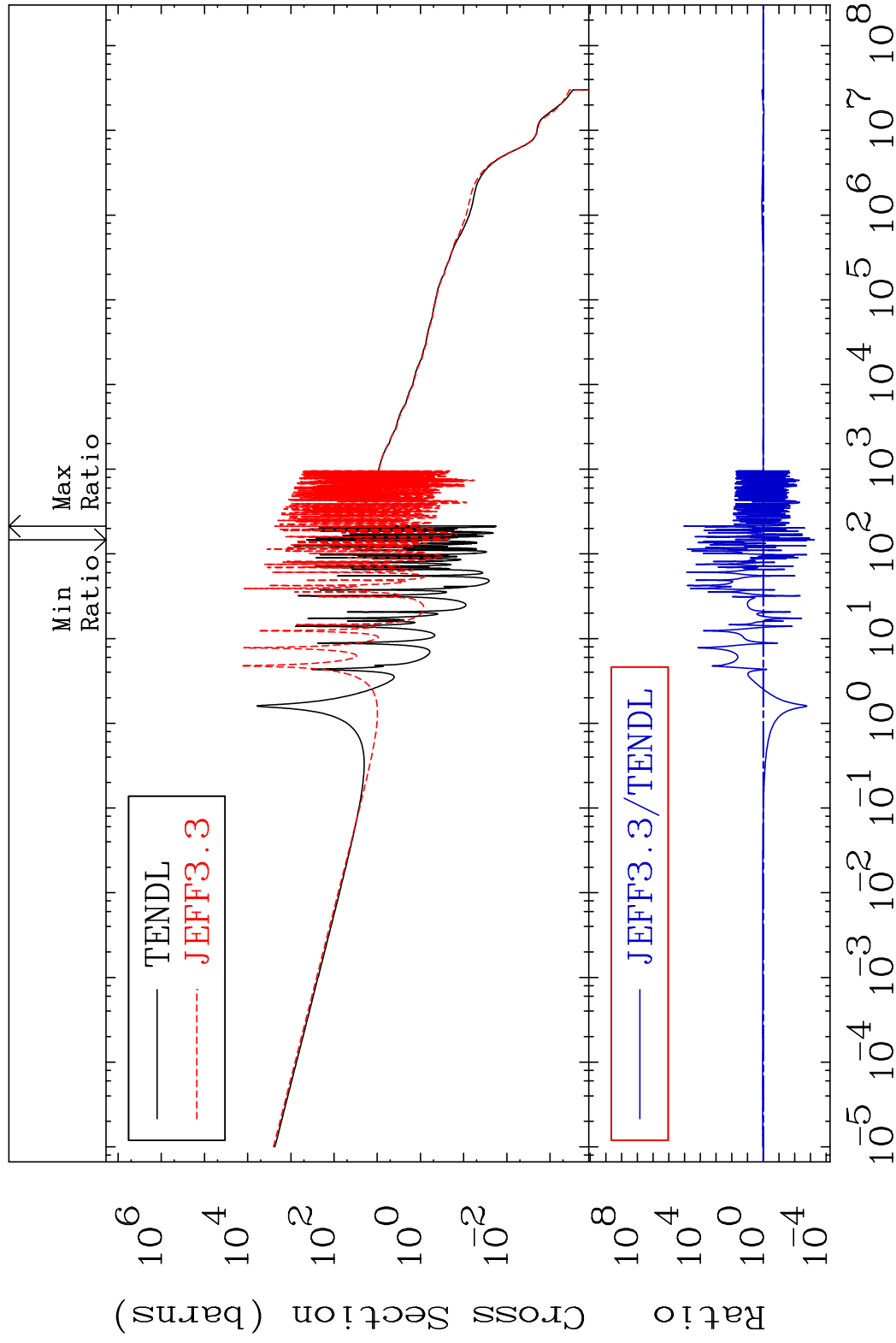
78-Pt-193

MAT 7834

(n, γ)

78-Pt-193

Cross Section -99.94 To 9999. %



39

Incident Energy (eV)

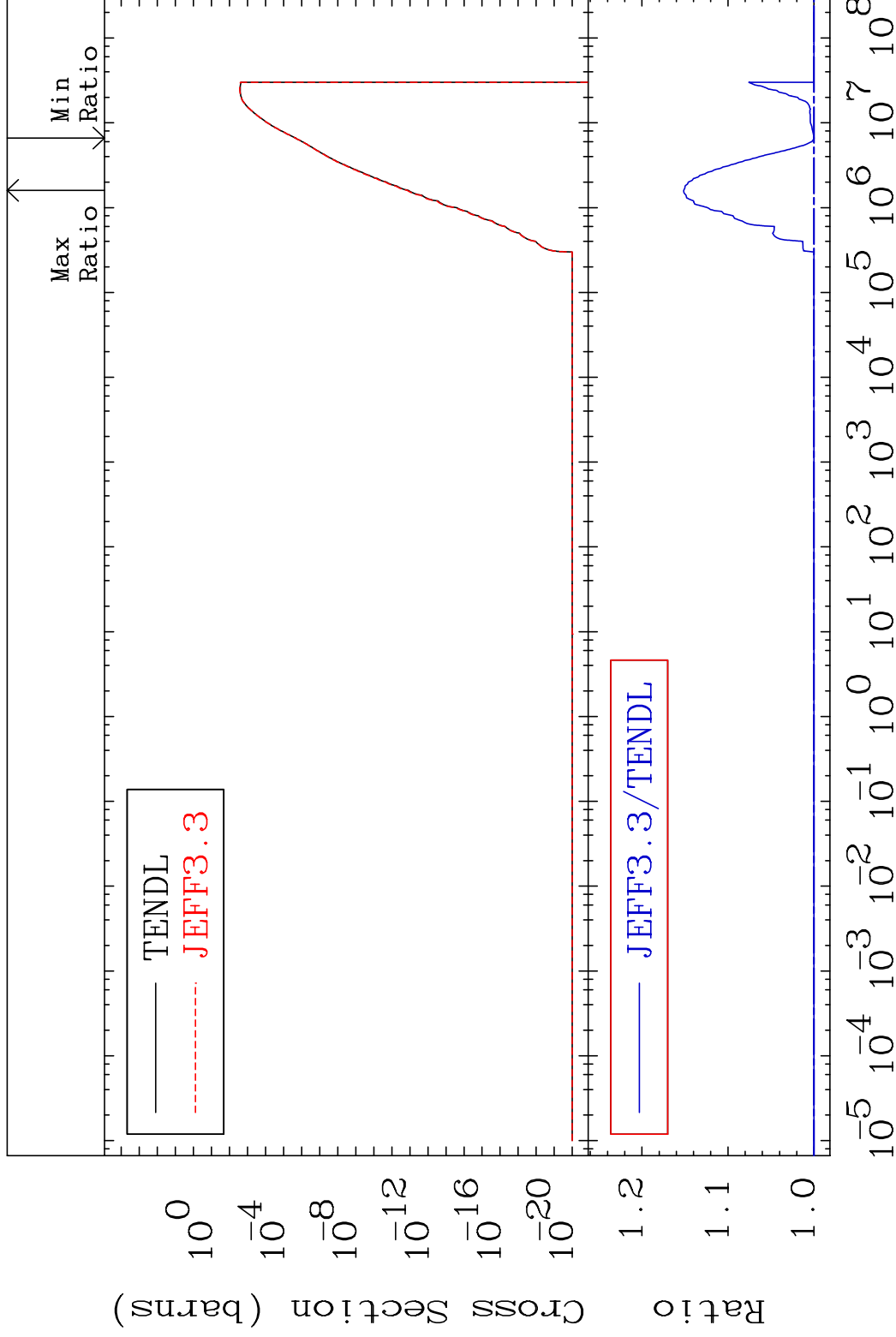
78-Pt-193

MAT 7834

(n, p)

78-Pt-193

Cross Section -0.014 To 15.15 %



40

Incident Energy (eV)

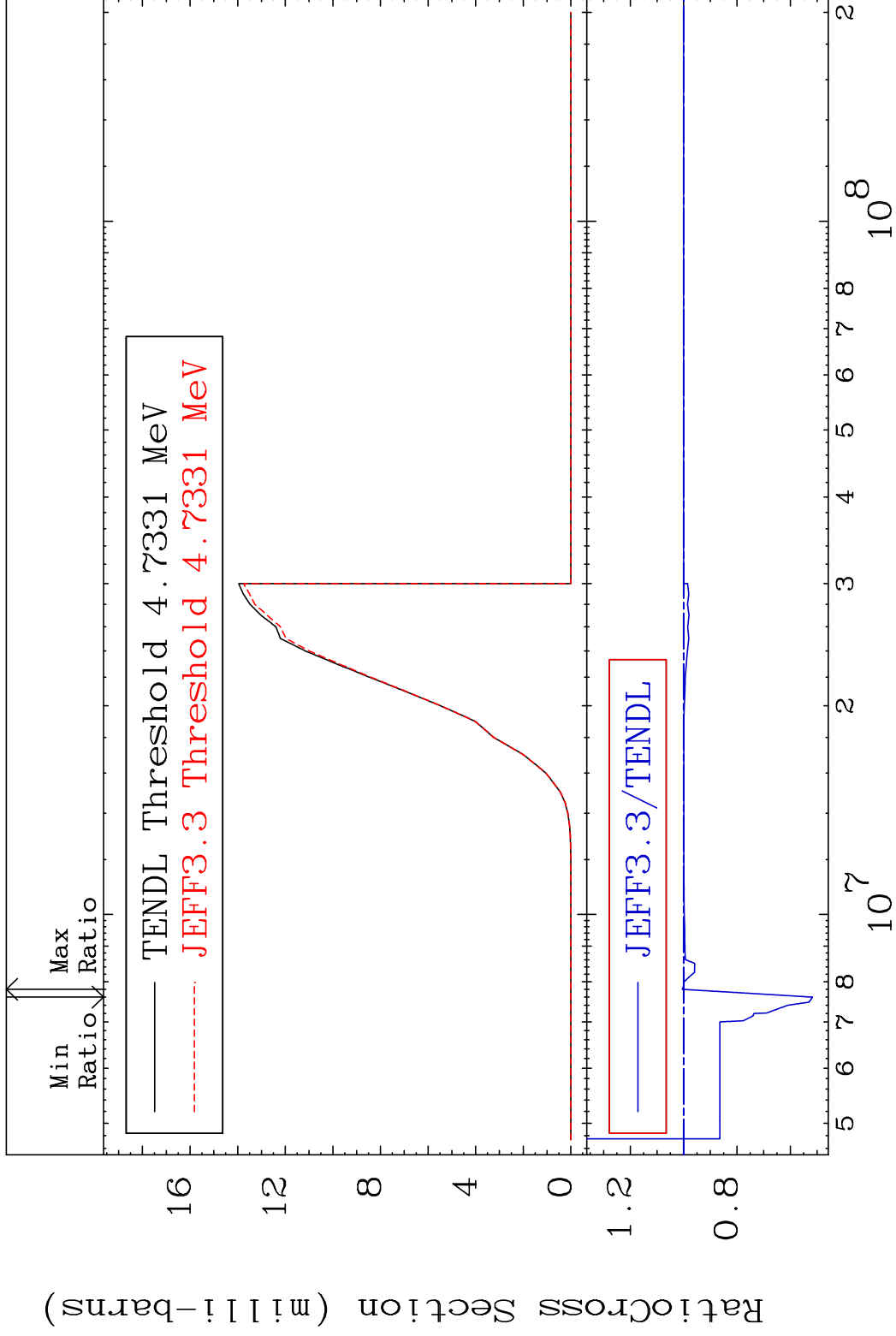
78-Pt-193

MAT 7834

(n,d)

78-Pt-193

Cross Section -48.31 To 0.557 %



41

Incident Energy (eV)

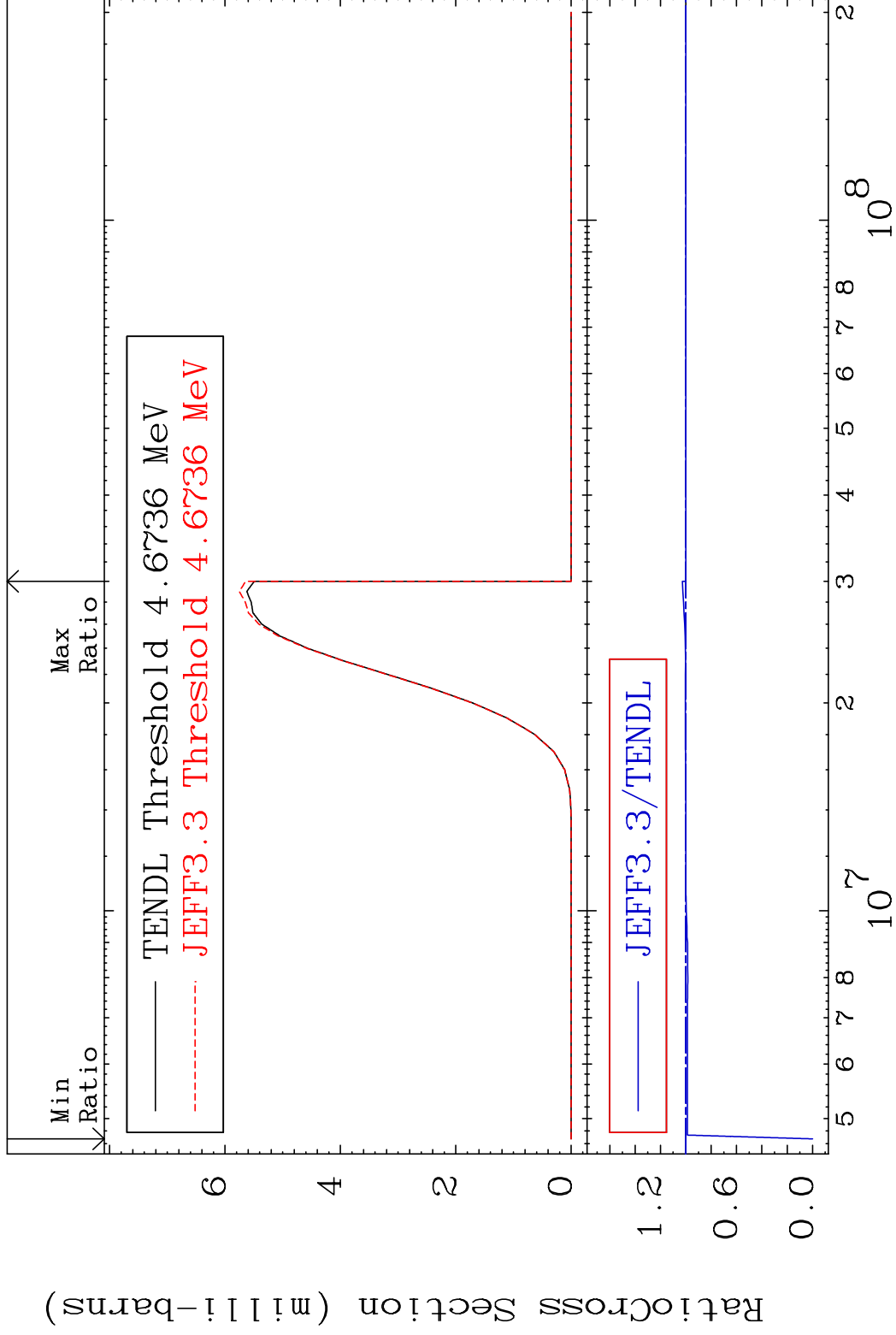
78-Pt-193

MAT 7834

(n, t)

78-Pt-193

Cross Section -100.0 To 2.732 %



42

Incident Energy (eV)

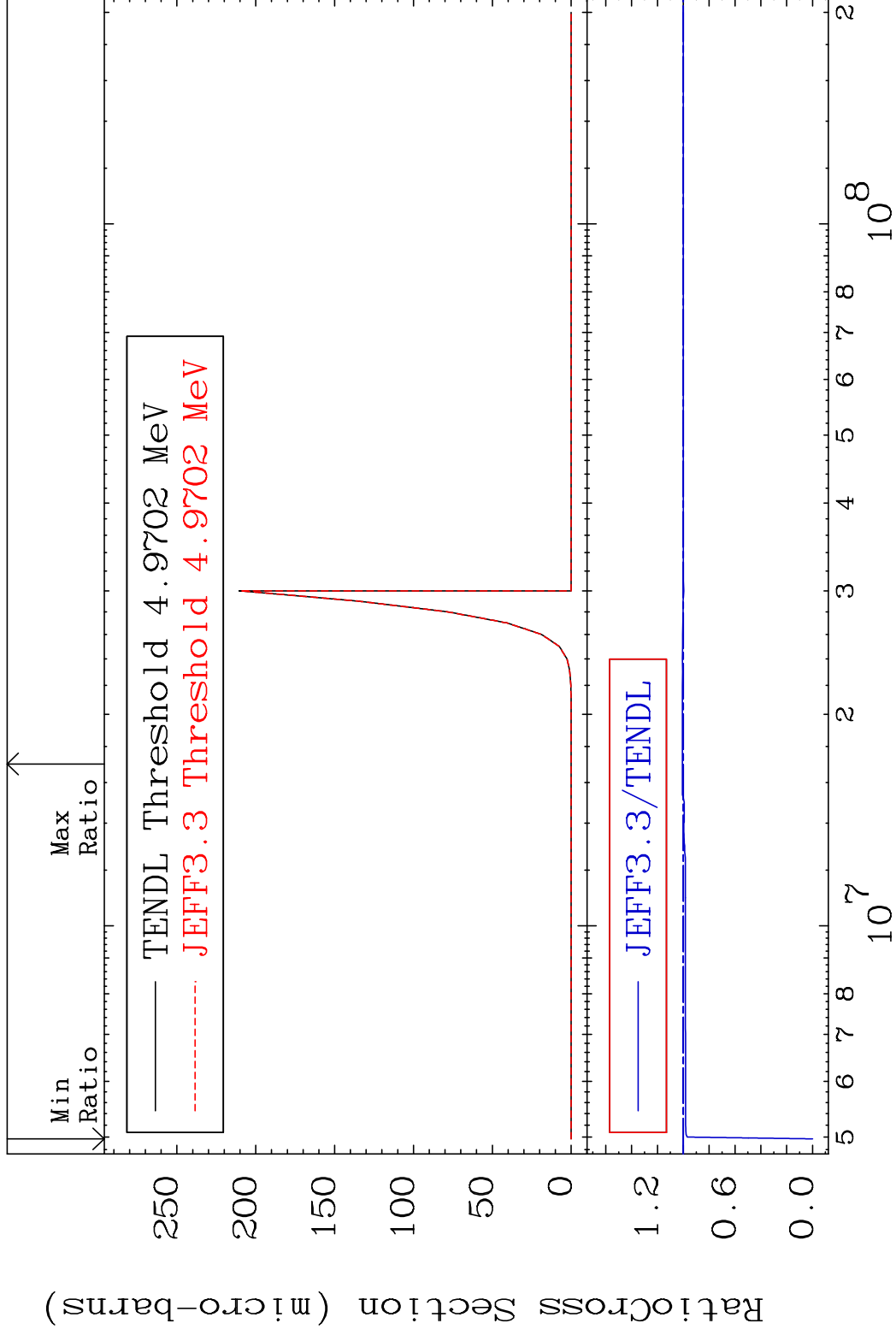
78-Pt-193

MAT 7834

(n, He-3)

78-Pt-193

Cross Section -100.0 To 0.732 %



43

Incident Energy (eV)

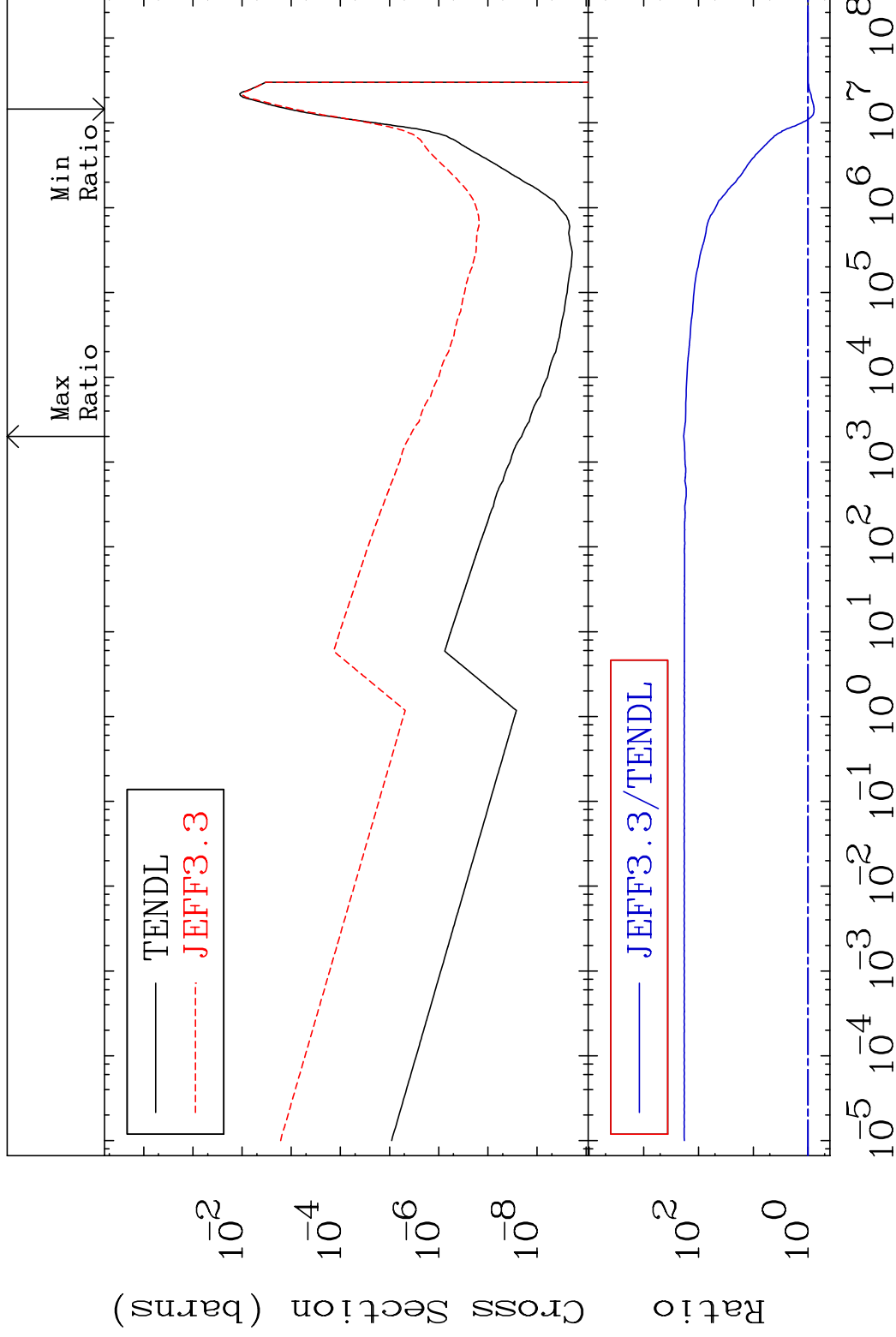
78-Pt-193

MAT 7834

78-Pt-193

(n, α)

Cross Section -22.37 To 9999. %



44

Incident Energy (eV)

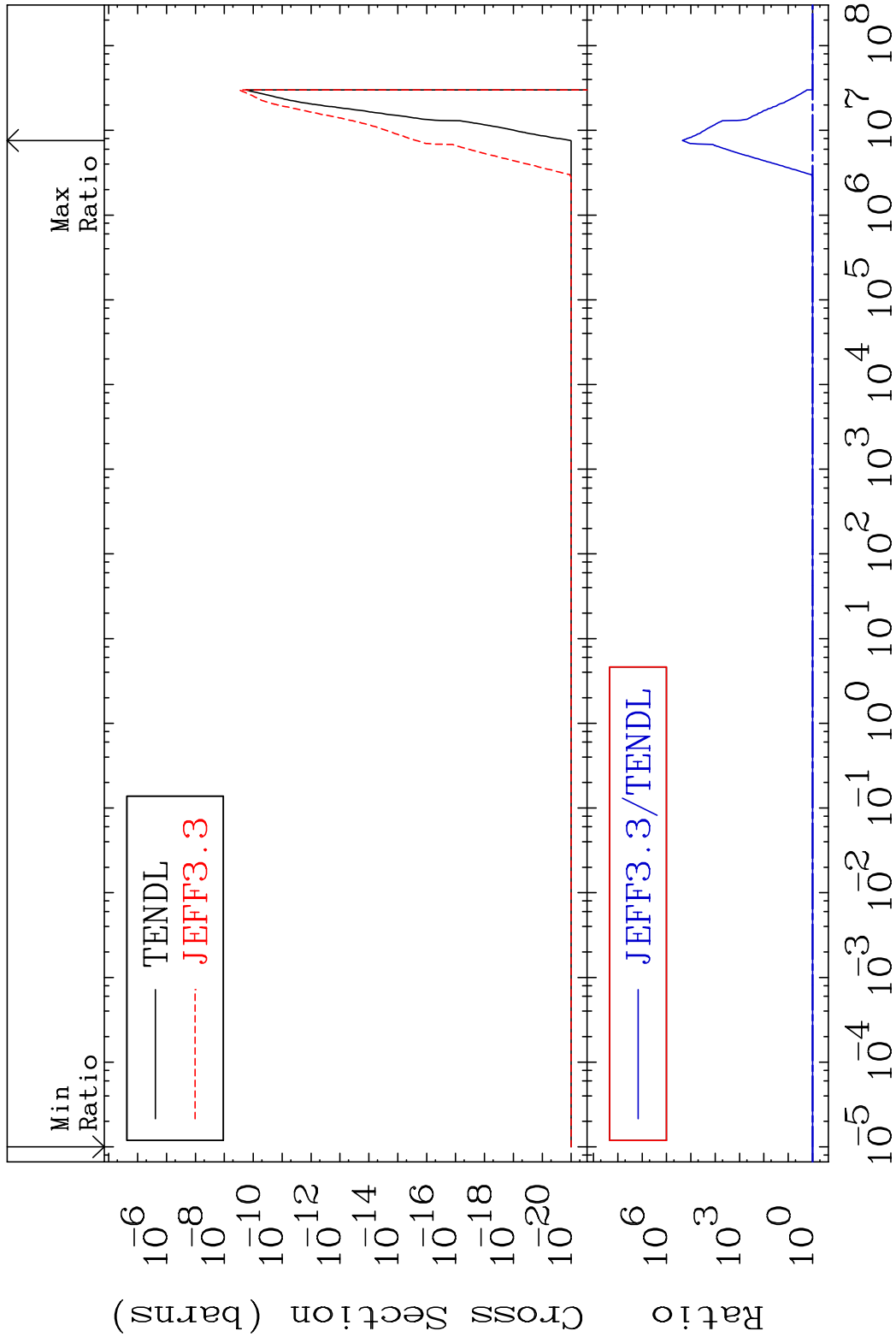
78-Pt-193

MAT 7834

(n, 2α)

78-Pt-193

Cross Section 0.000 To 9999. %

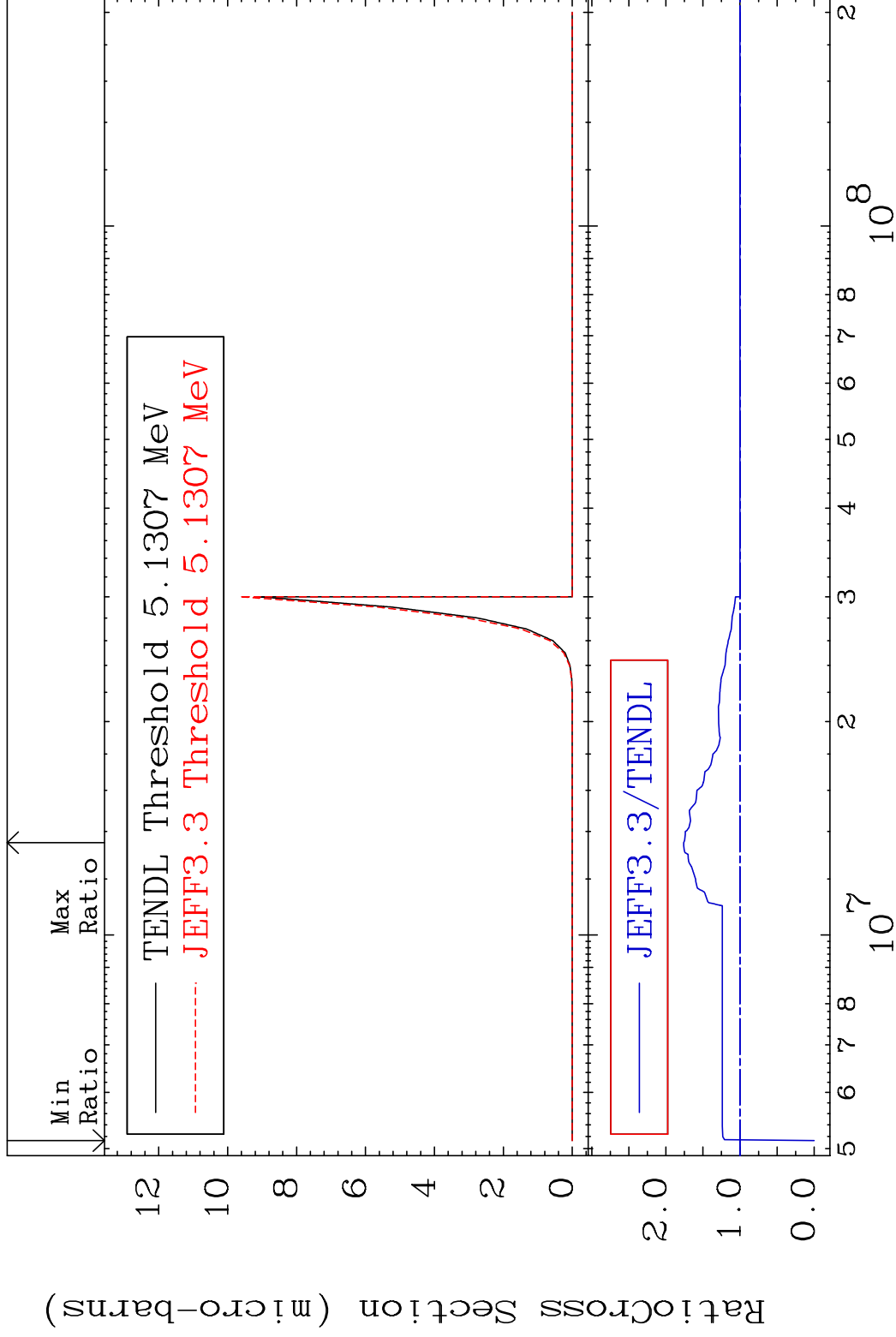


MAT 7834

(n,2p)

78-Pt-193

Cross Section -100.0 To 76.02 %



46

Incident Energy (eV)

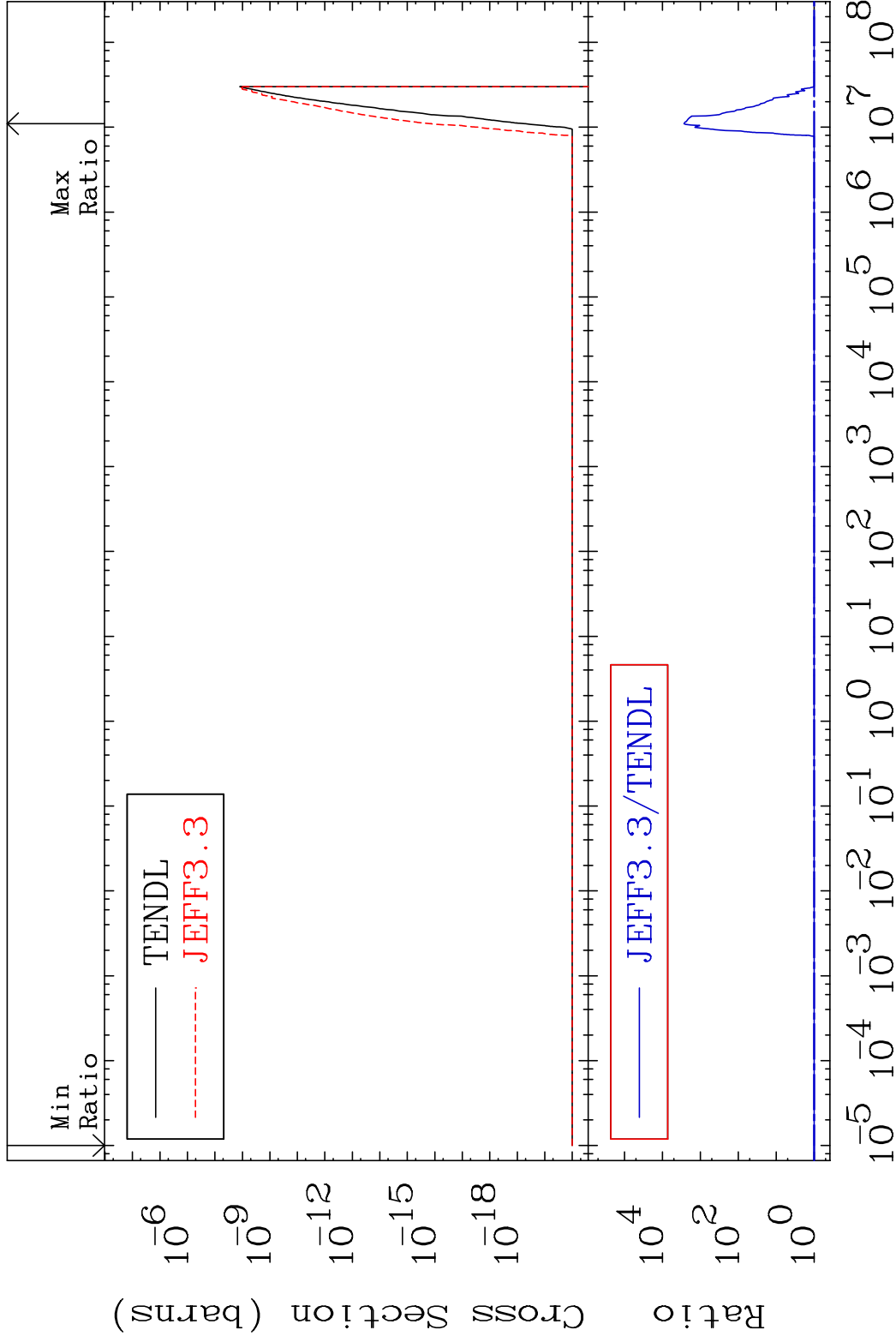
78-Pt-193

MAT 7834

(n,p) α

78-Pt-193

Cross Section 0.000 To 9999. %



47

Incident Energy (eV)

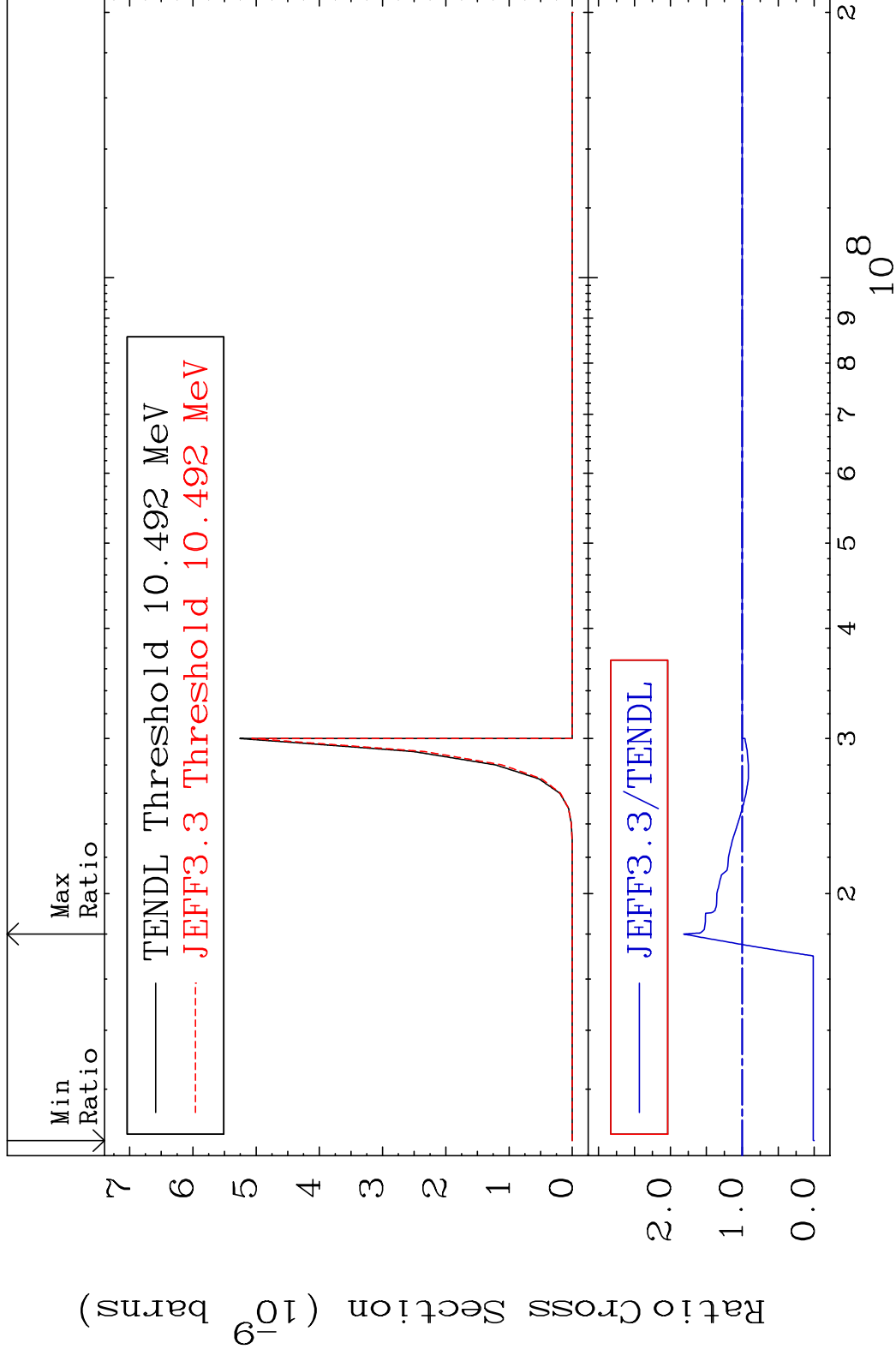
78-Pt-193

MAT 7834

(n,p) d

78-Pt-193

Cross Section -100.0 To 81.55 %



48

Incident Energy (eV)

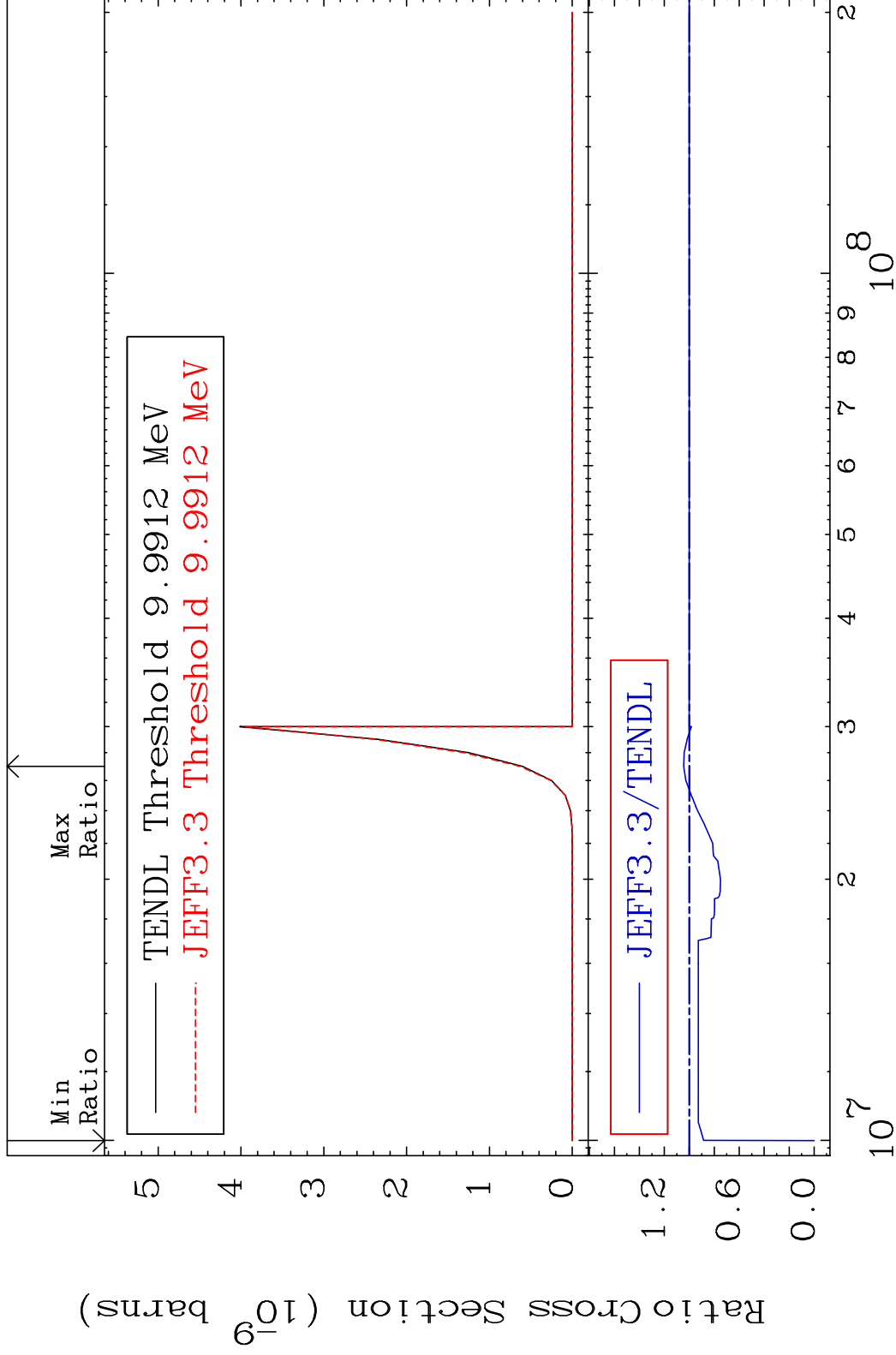
78-Pt-193

MAT 7834

(n,p) t

78-Pt-193

Cross Section -100.0 To 4.503 %



49

Incident Energy (eV)

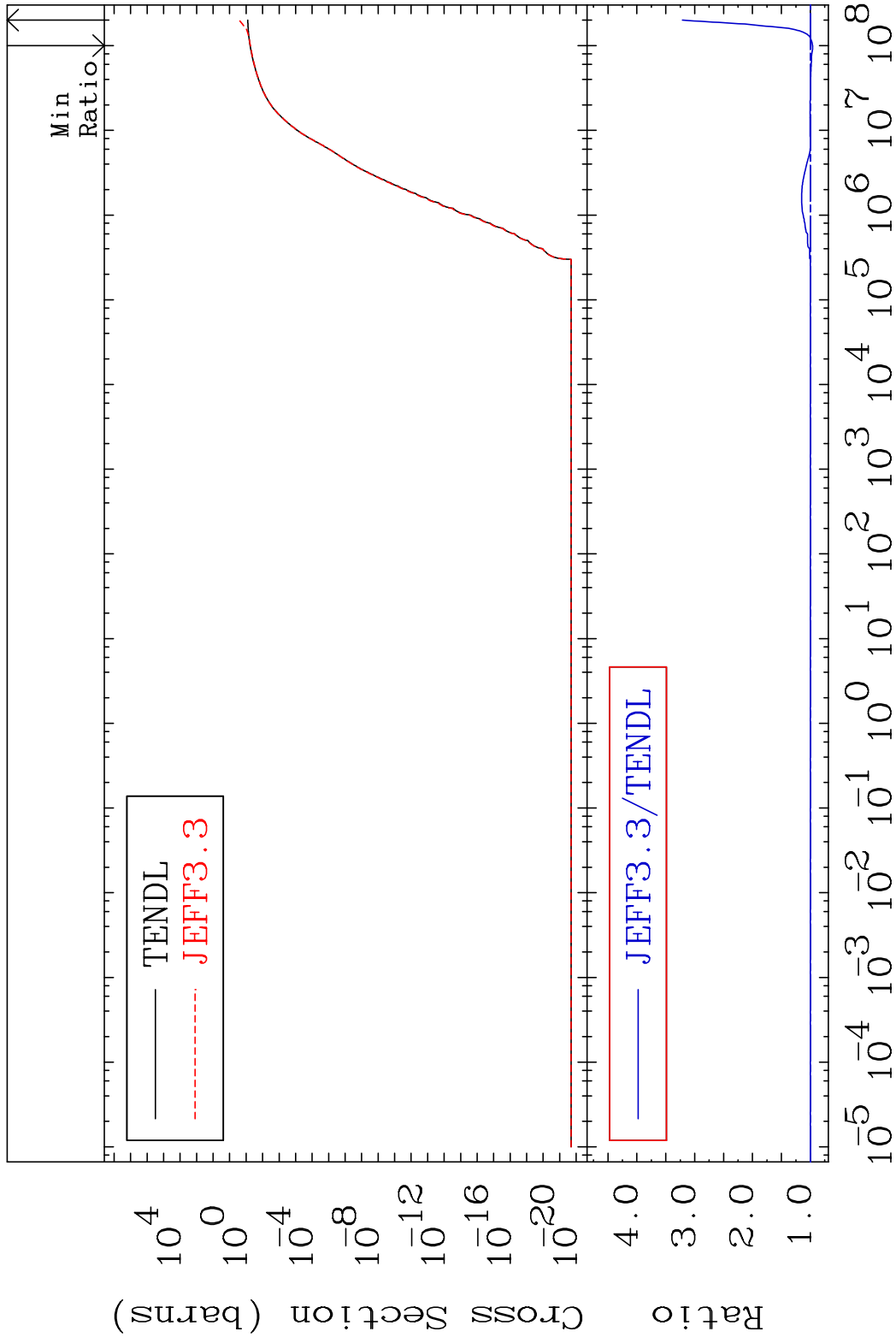
78-Pt-193

MAT 7834

Hydrogen Production

78-Pt-193

Cross Section -3.858 To 221.3 %

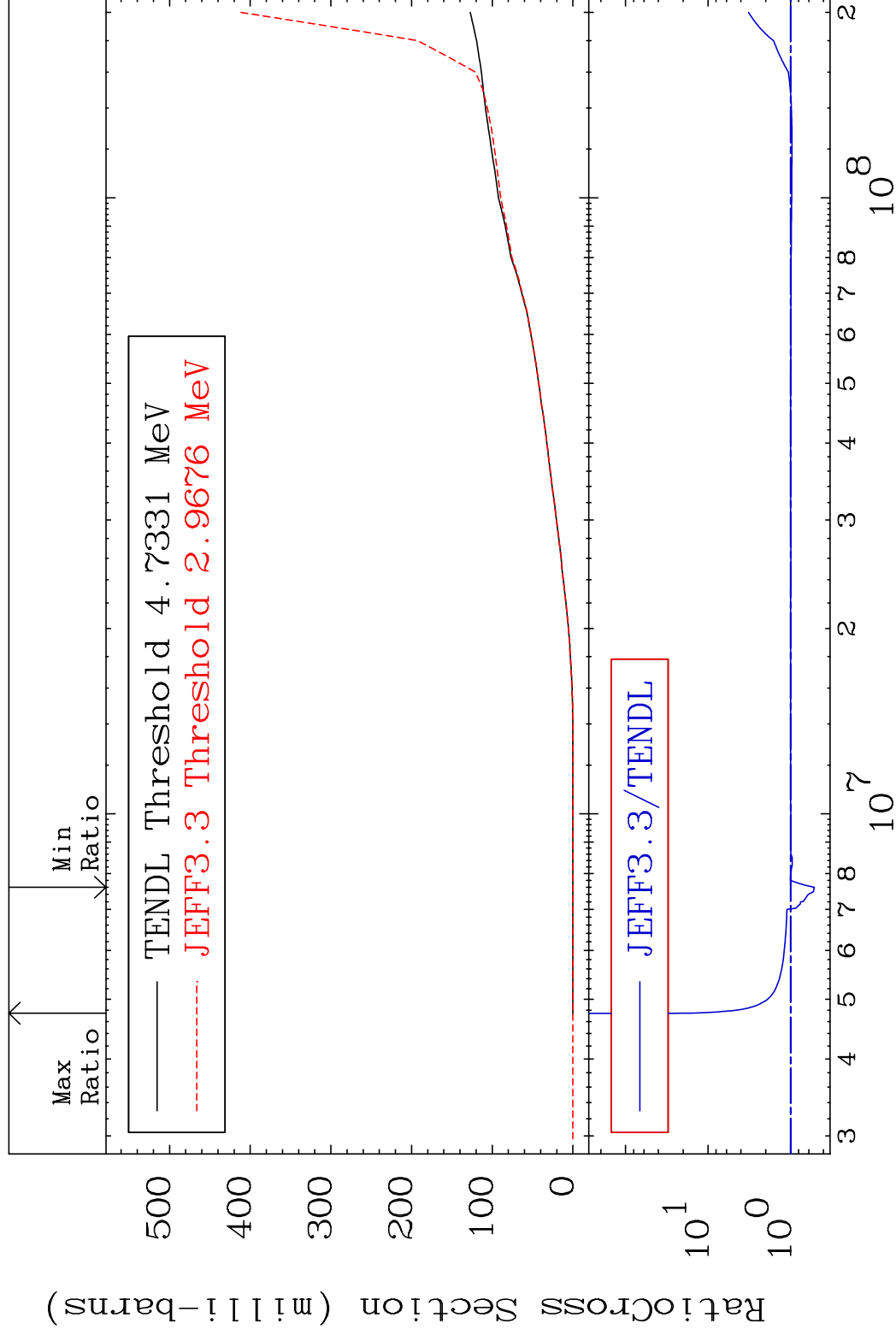


50

Incident Energy (eV)

78-Pt-193

Cross Section -48.29 To 1856. %

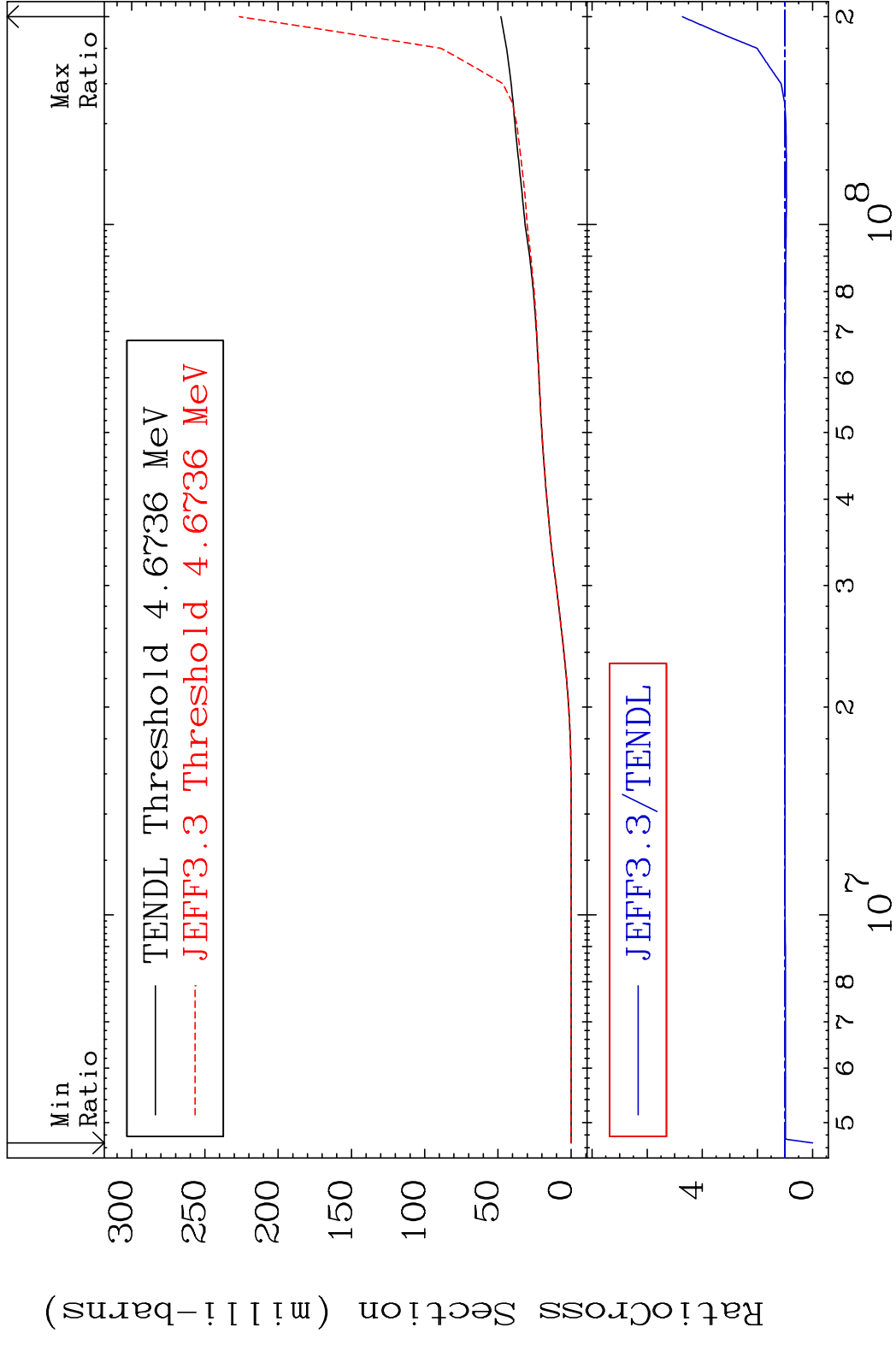


MAT 7834

Tritium Production

78-Pt-193

Cross Section -100.0 To 372.3 %

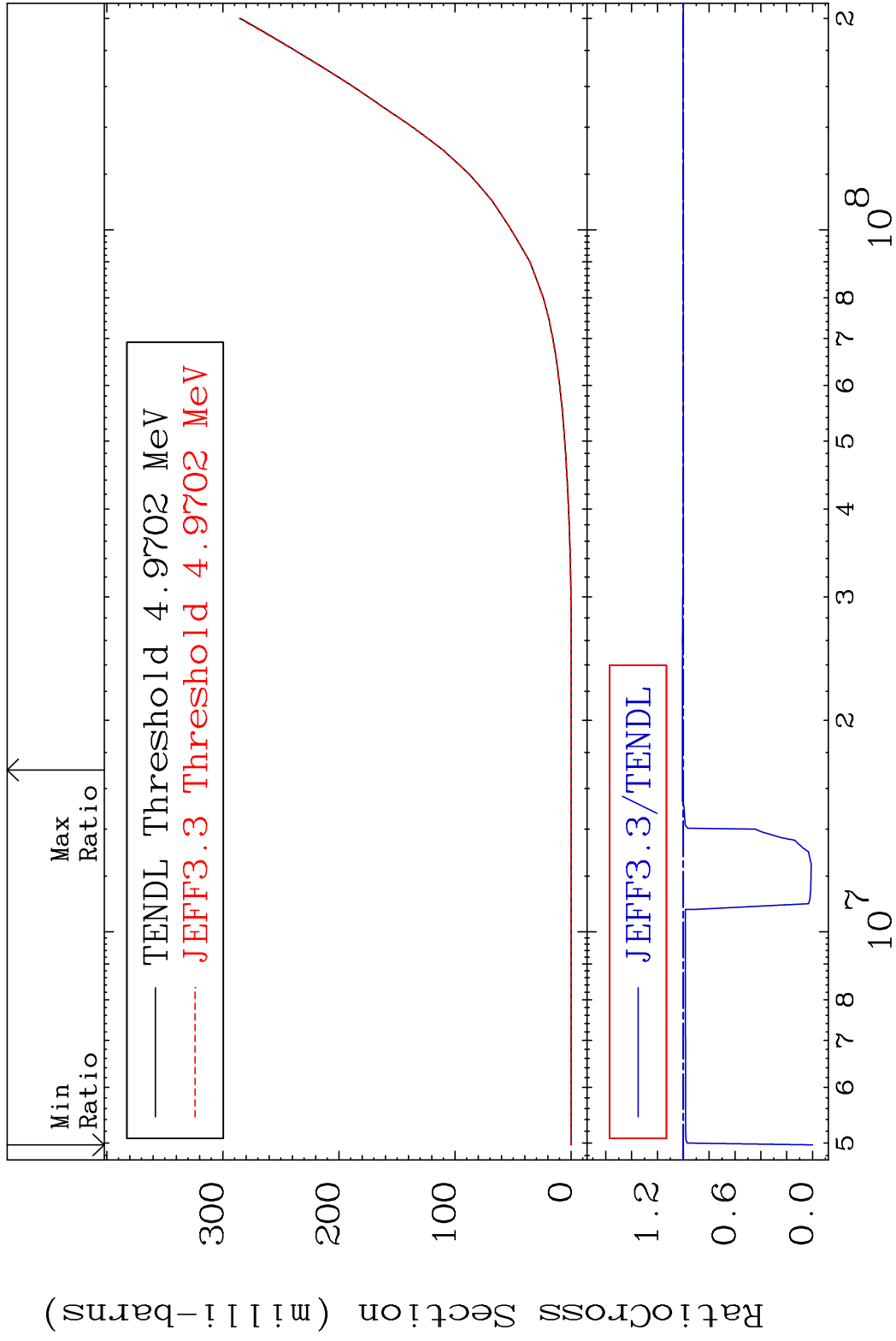


MAT 7834

He-3 Production

78-Pt-193

Cross Section -100.0 To 0.732 %



53

Incident Energy (eV)

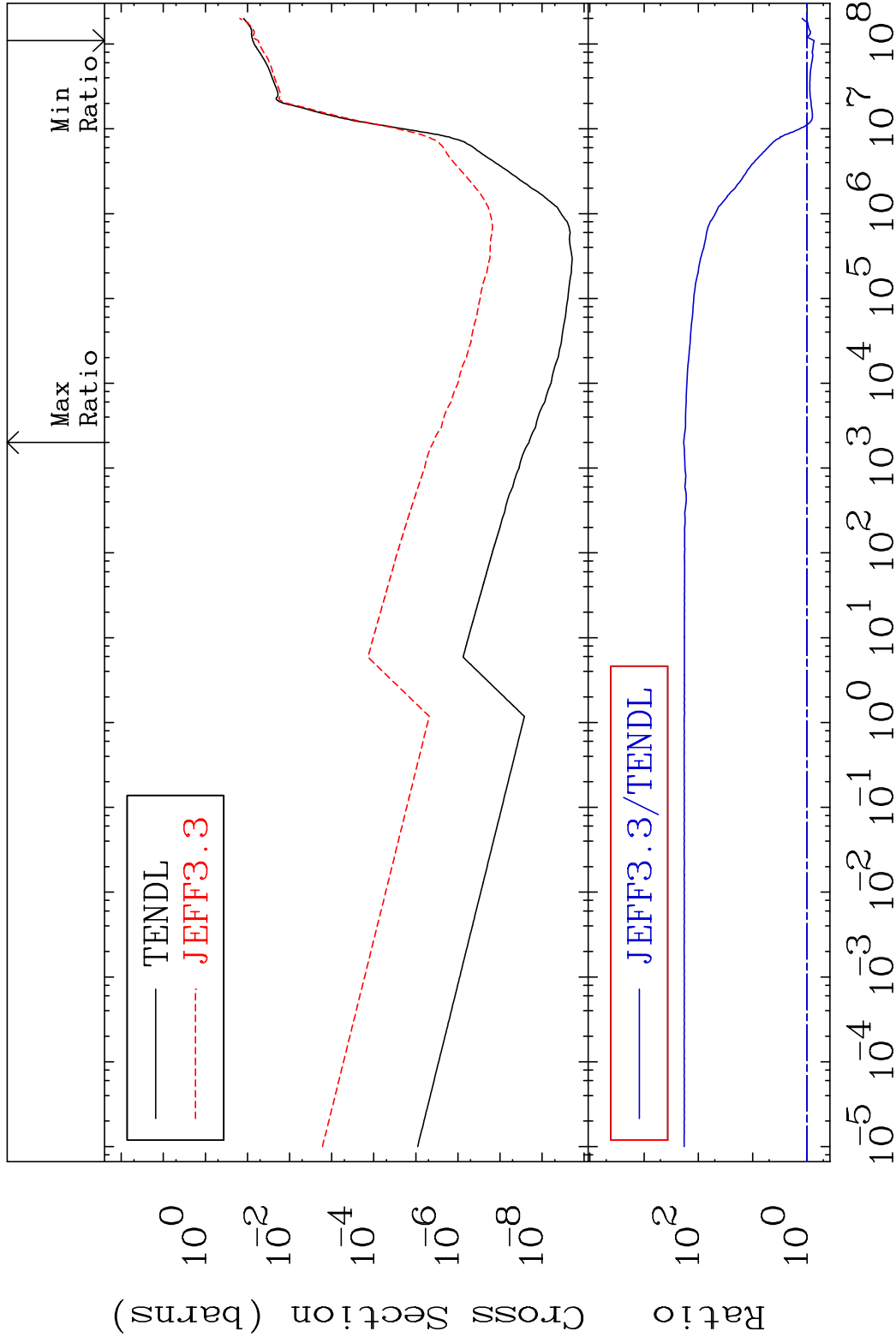
78-Pt-193

MAT 7834

He-4 Production

78-Pt-193

Cross Section -26.01 To 9999. %



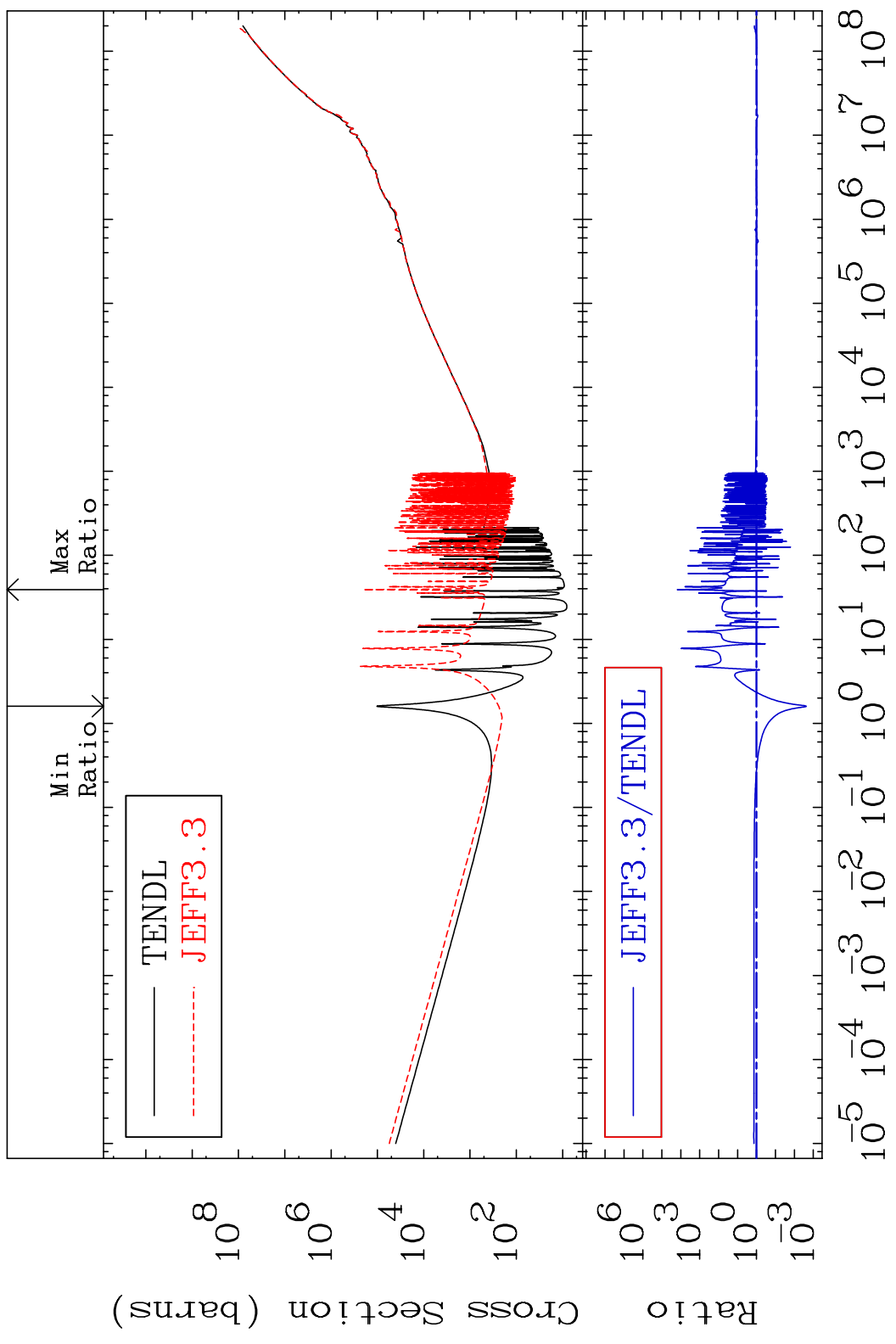
54

Incident Energy (eV)

78-Pt-193

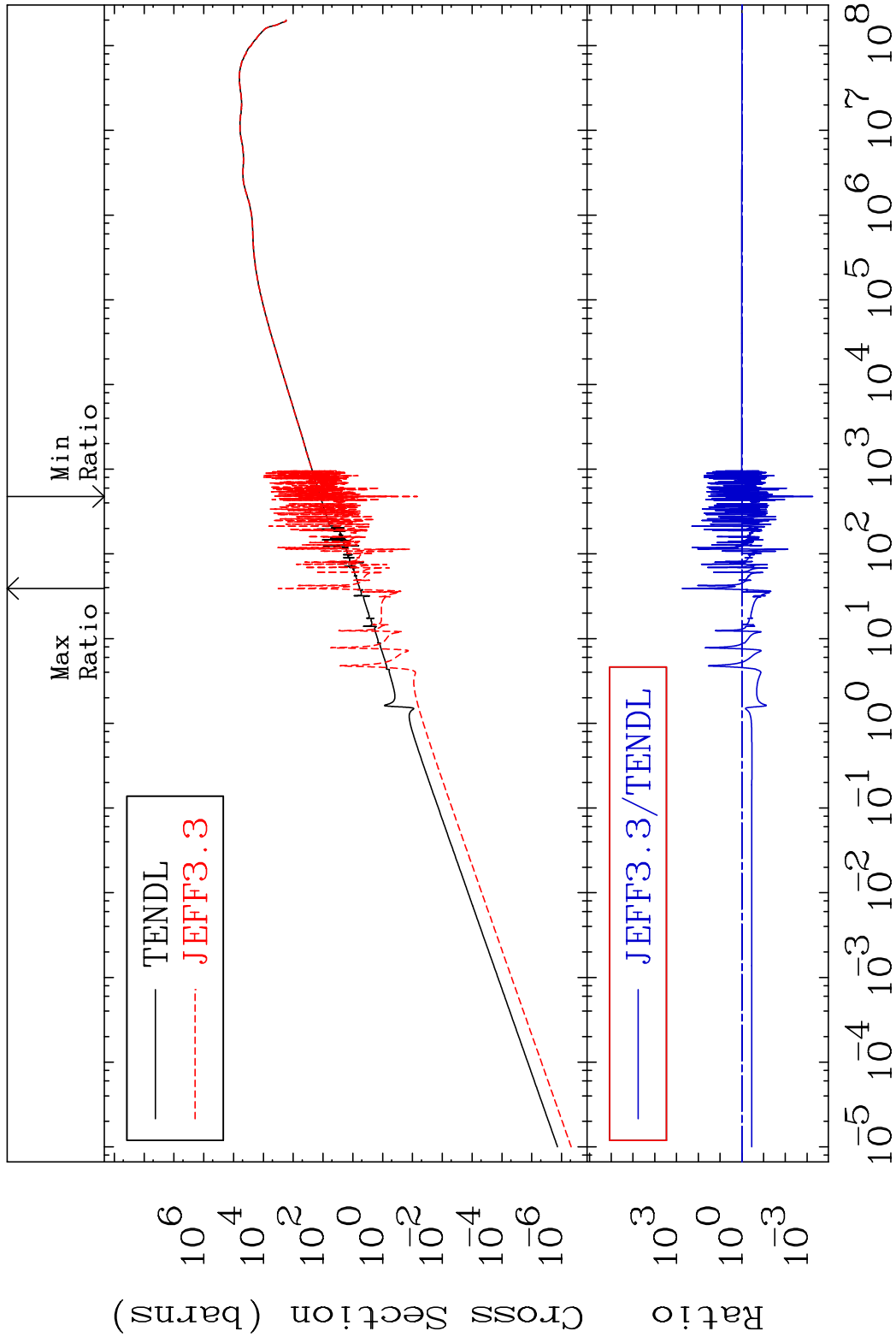
MAT 7834

Kerma total (eV-barns) 78-Pt-193
Cross Section -99.77 To 9999. %



MAT 7834

Kerma elastic Cross Section -99.94 To 9999. %
78-Pt-193

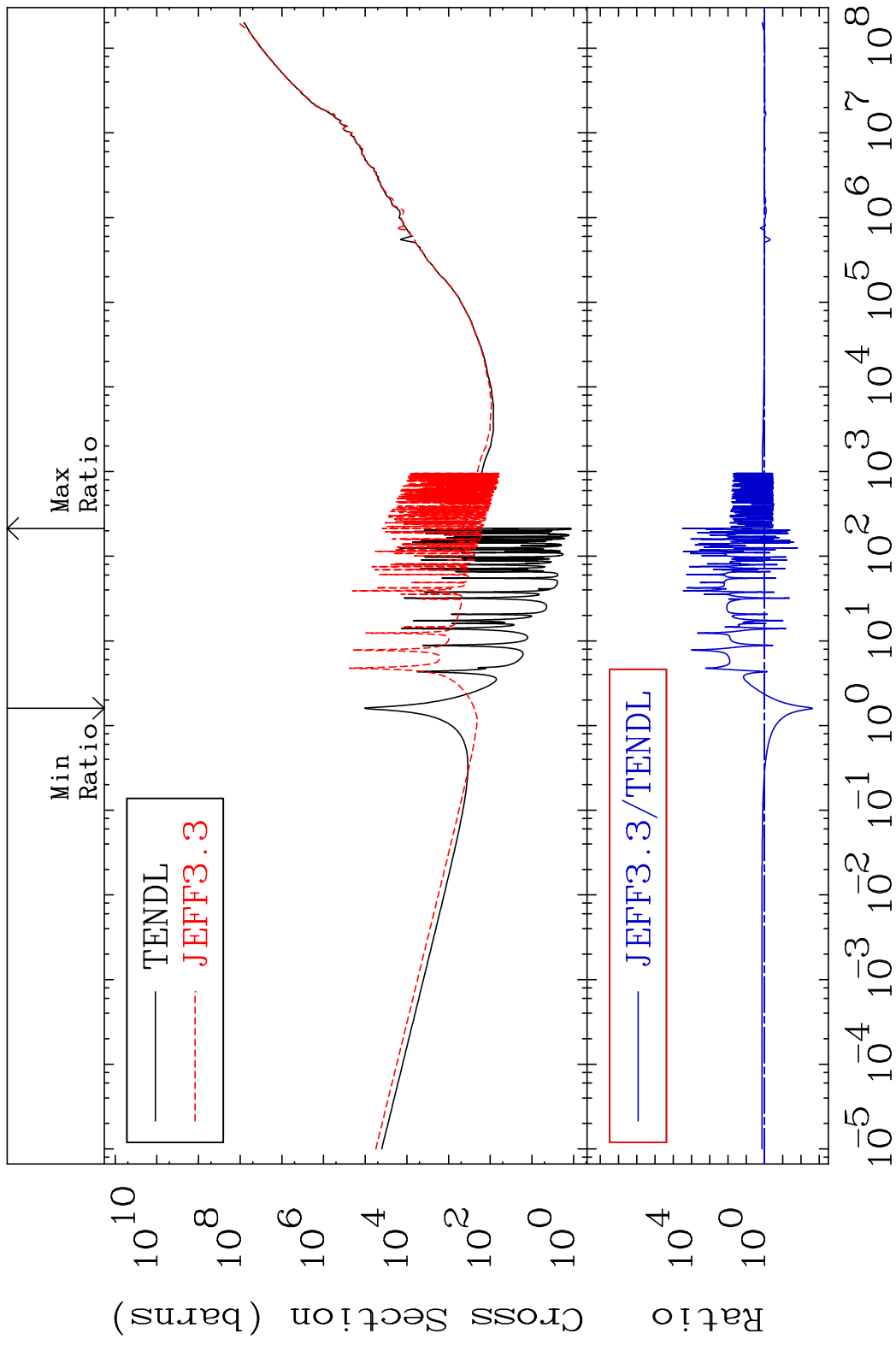


56

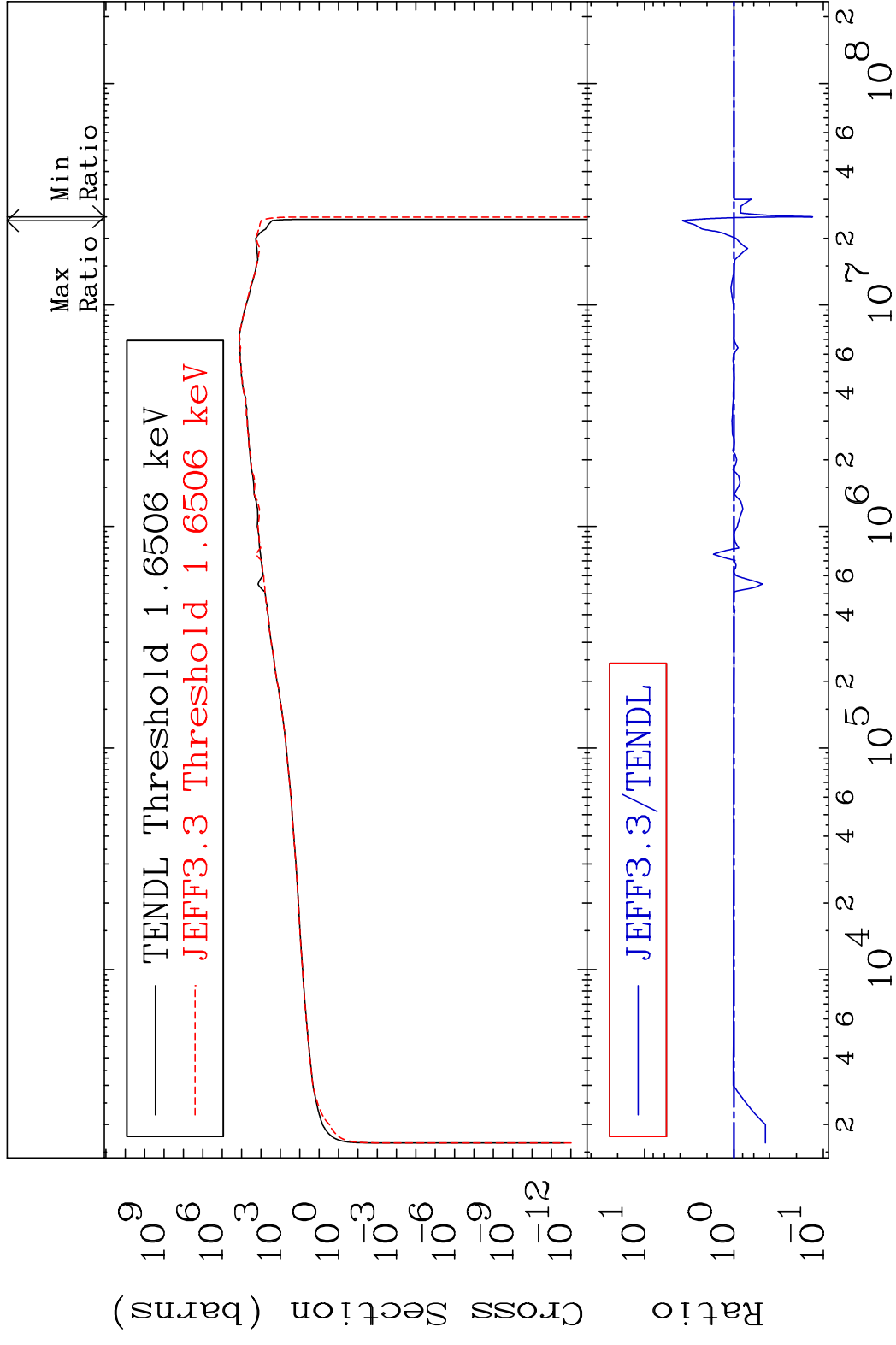
Incident Energy (eV)

78-Pt-193

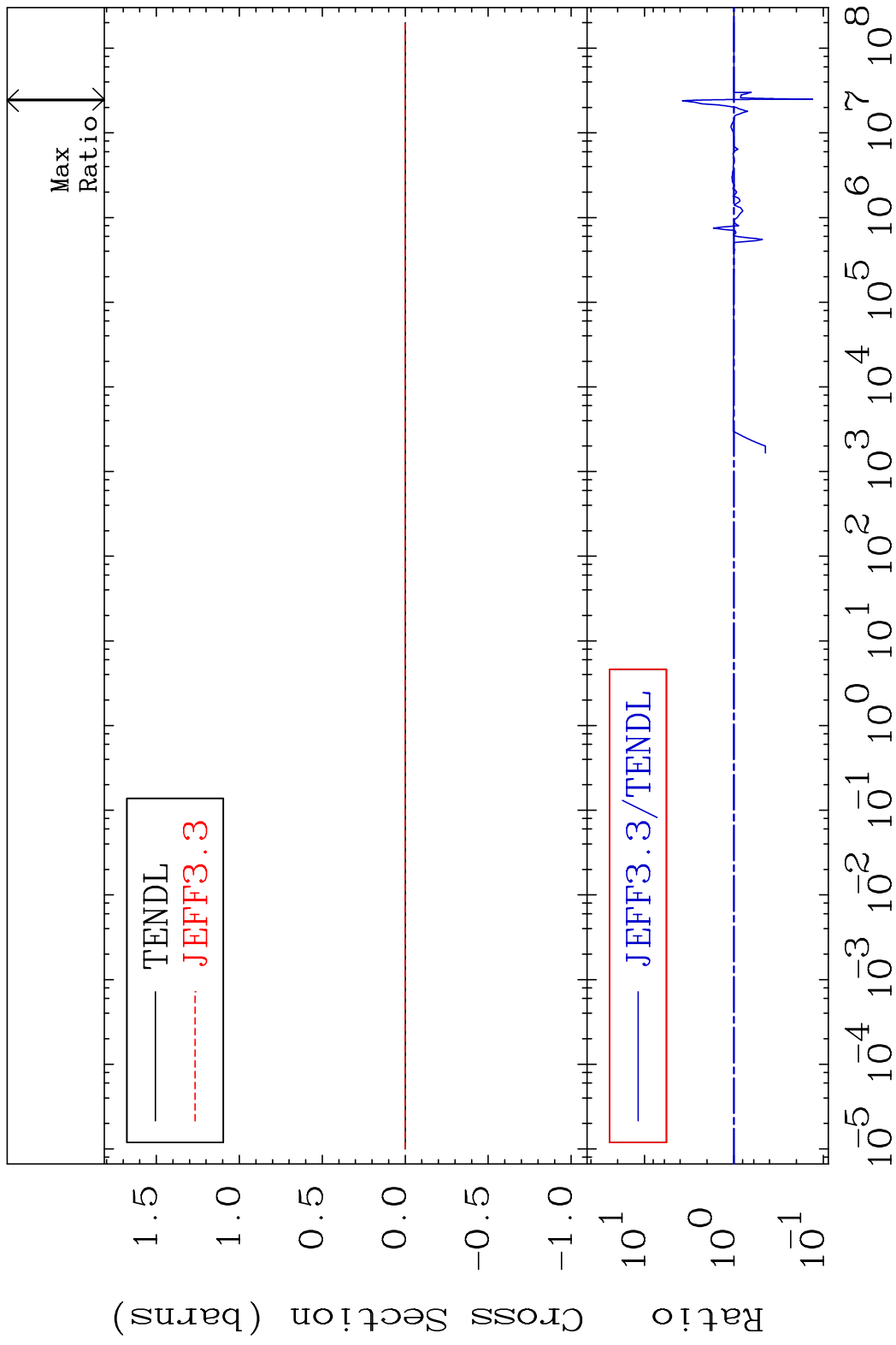
MAT 7834 Kerma non-elastic (all but mt2) 78-Pt-193
 Cross Section -99.77 To 9999. %



MAT 7834 Kerma inelastic (mt51-91) 78-Pt-193
 Cross Section -86.83 To 277.9 %



MAT 7834 Kerma fission (mt18 or mt19-20-21-38)78-Pt-193
 Cross Section -86.83 To 277.9 %

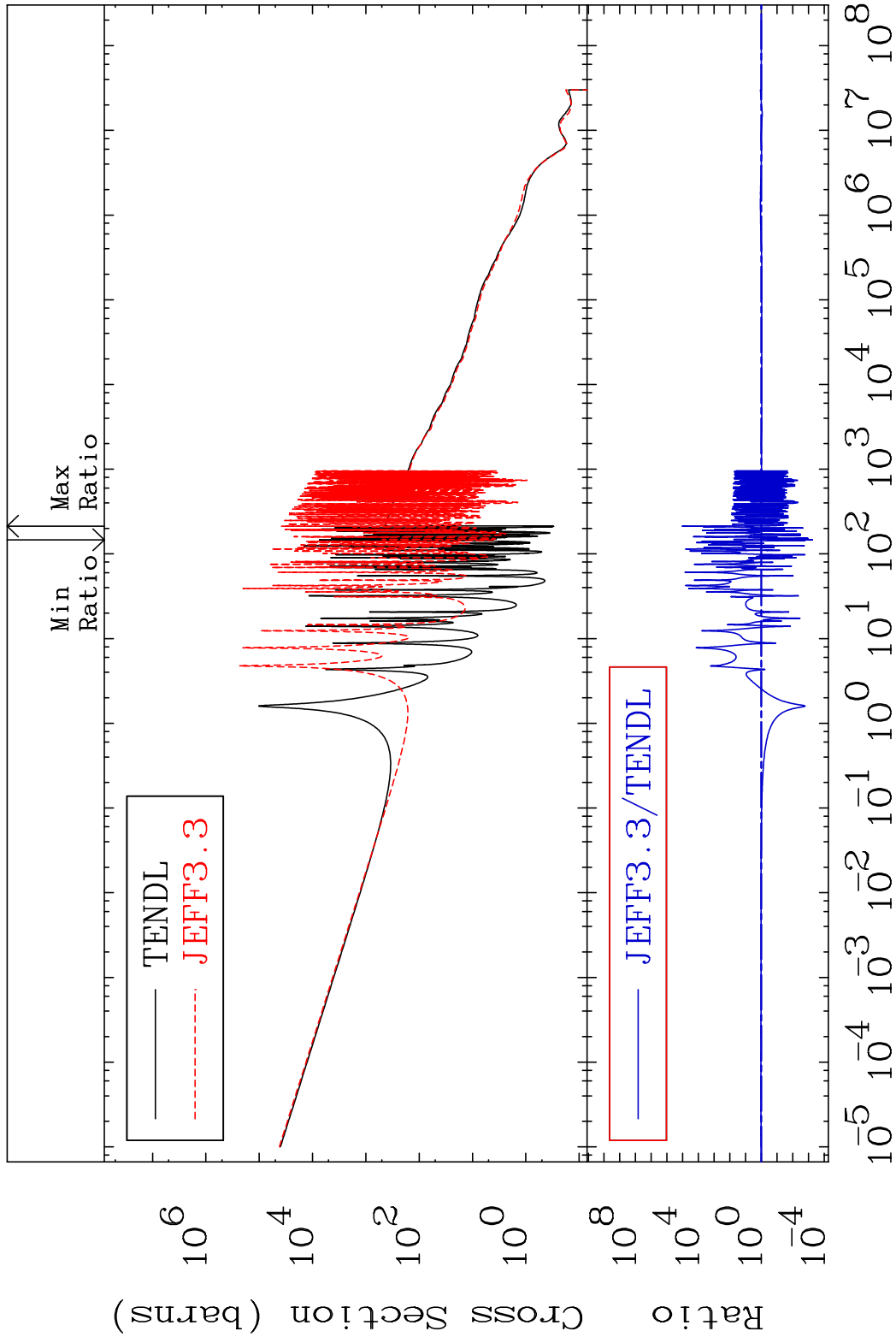


MAT 7834

Kerma capture (mt102)

78-Pt-193

Cross Section -99.95 To 9999. %

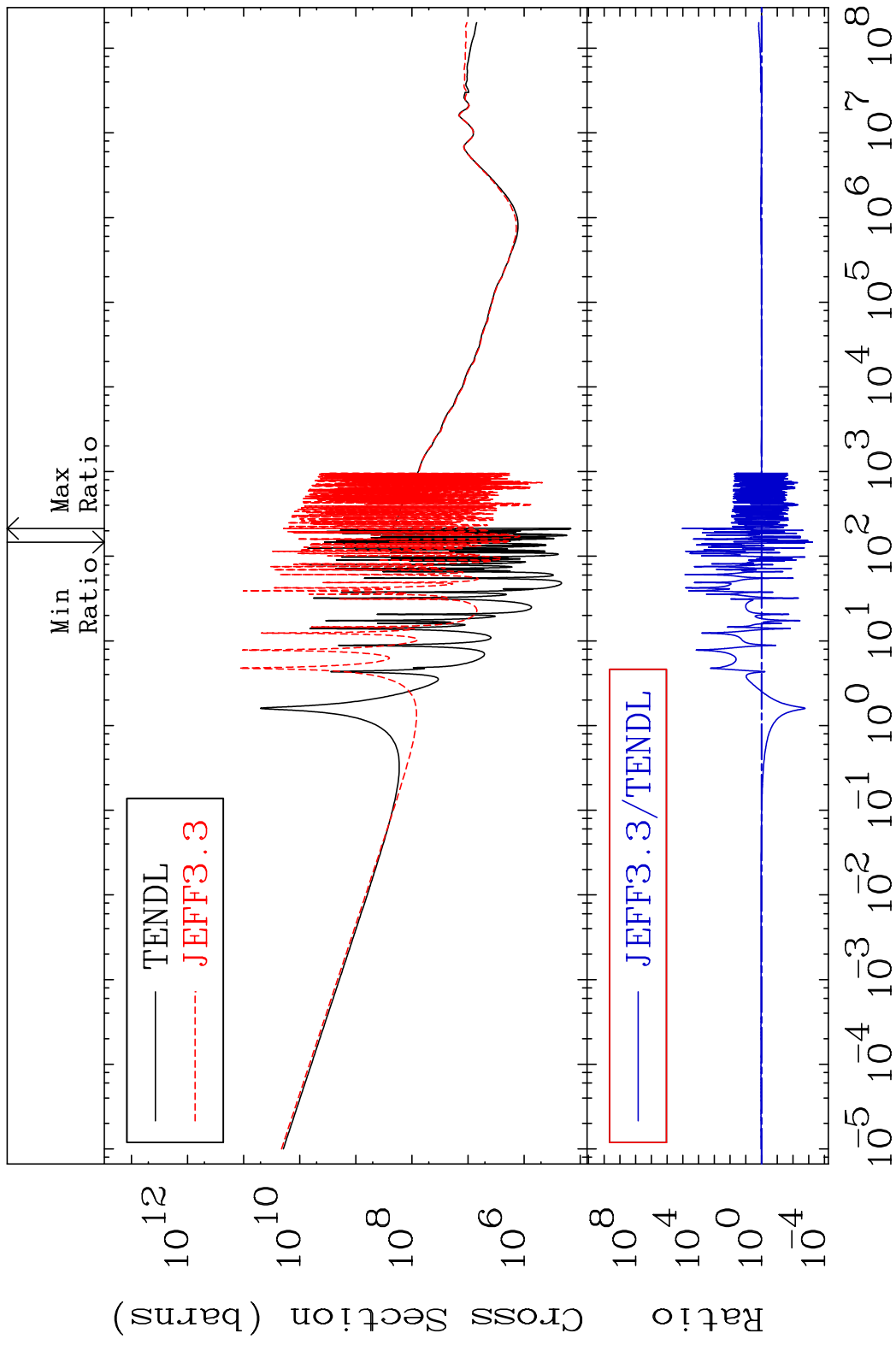


60

Incident Energy (eV)

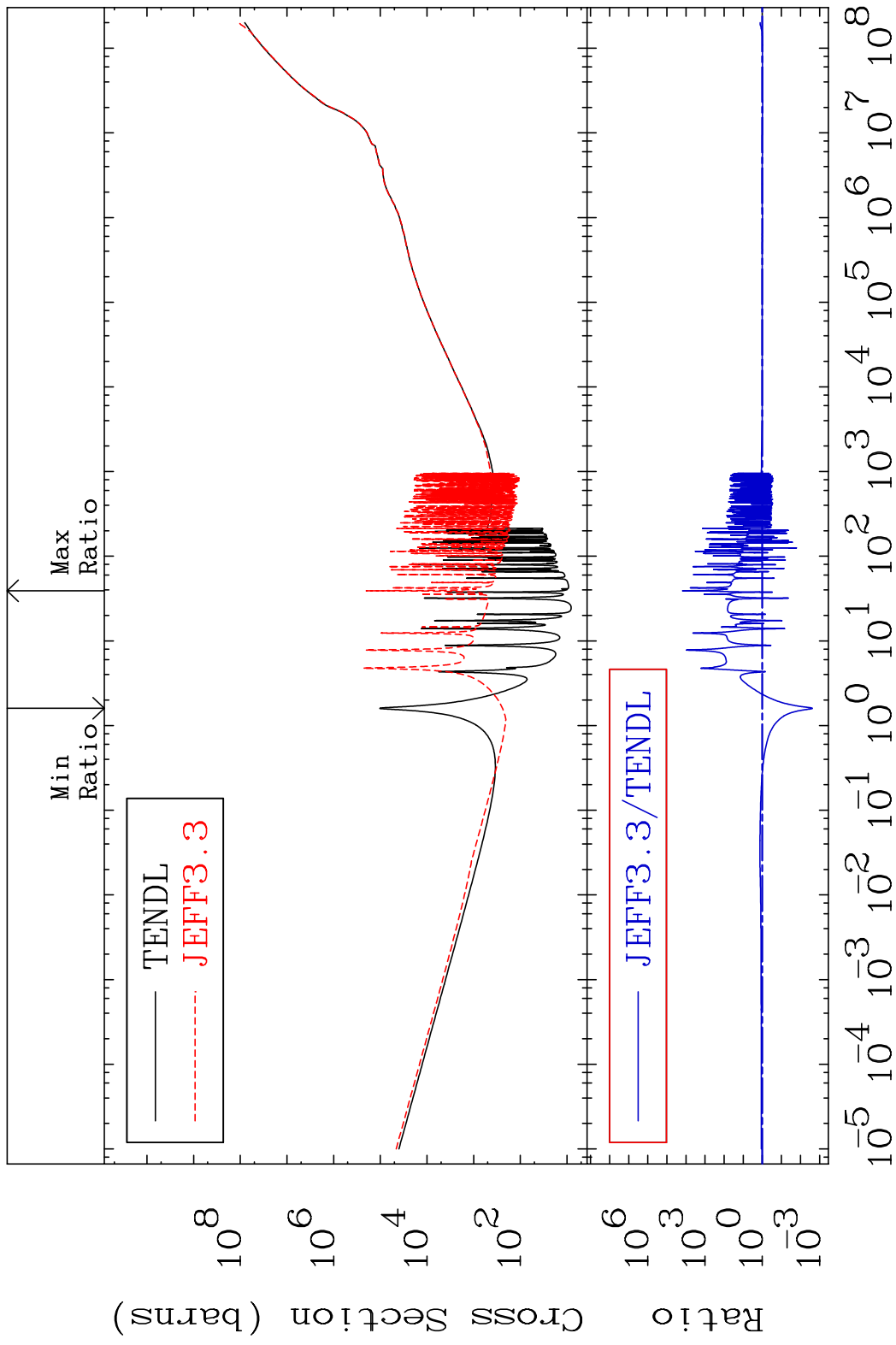
78-Pt-193

MAT 7834 Total photon (eV-barns) 78-Pt-193
 Cross Section -99.94 To 9999. %



61 Incident Energy (eV) 78-Pt-193

MAT 7834 Total kinematic kerma (high limit) 78-Pt-193
 Cross Section -99.77 To 9999. %

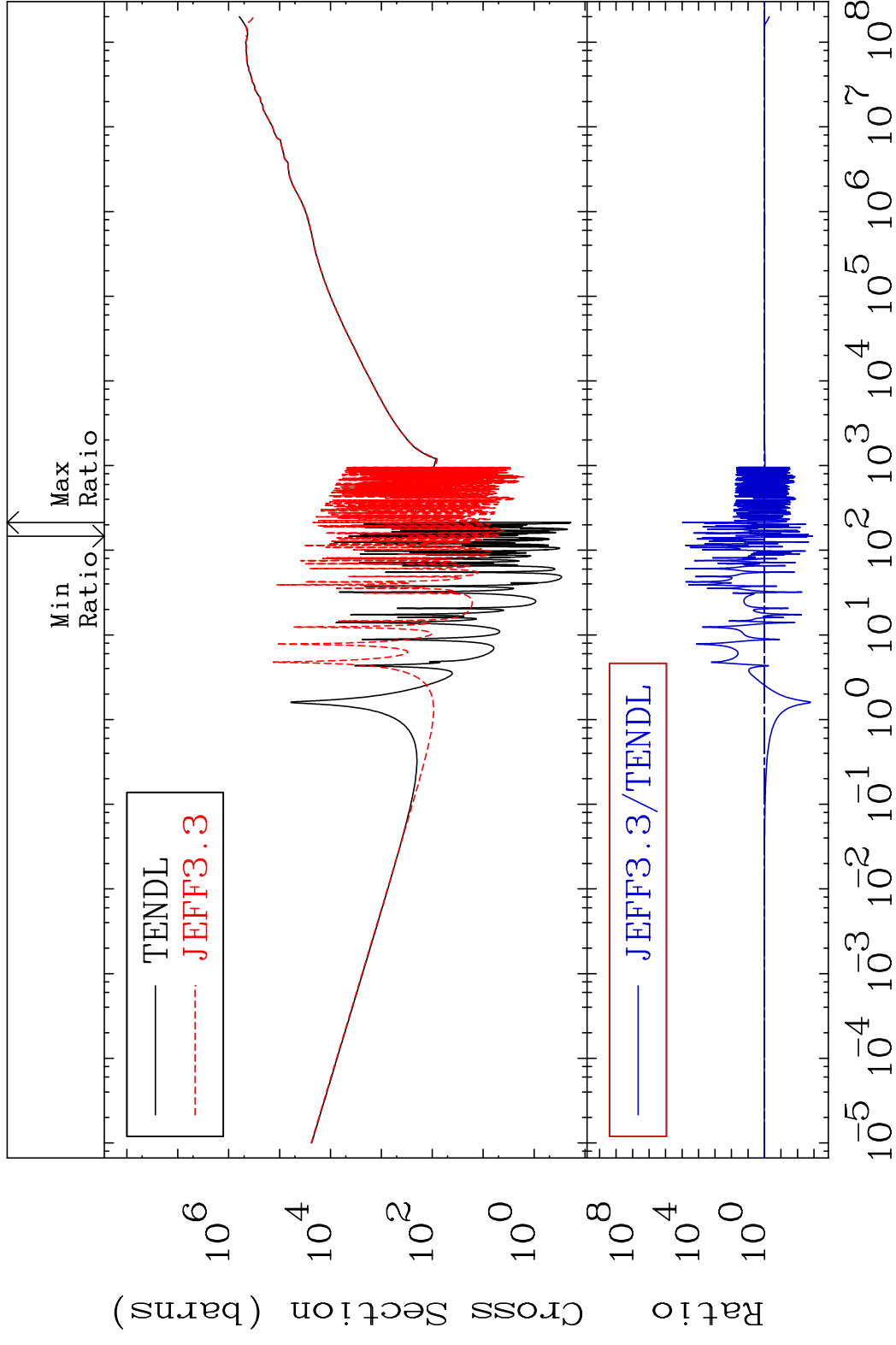


MAT 7834

Dpa total (eV-barns)

78-Pt-193

Cross Section -99.88 To 9999. %



63

Incident Energy (eV)

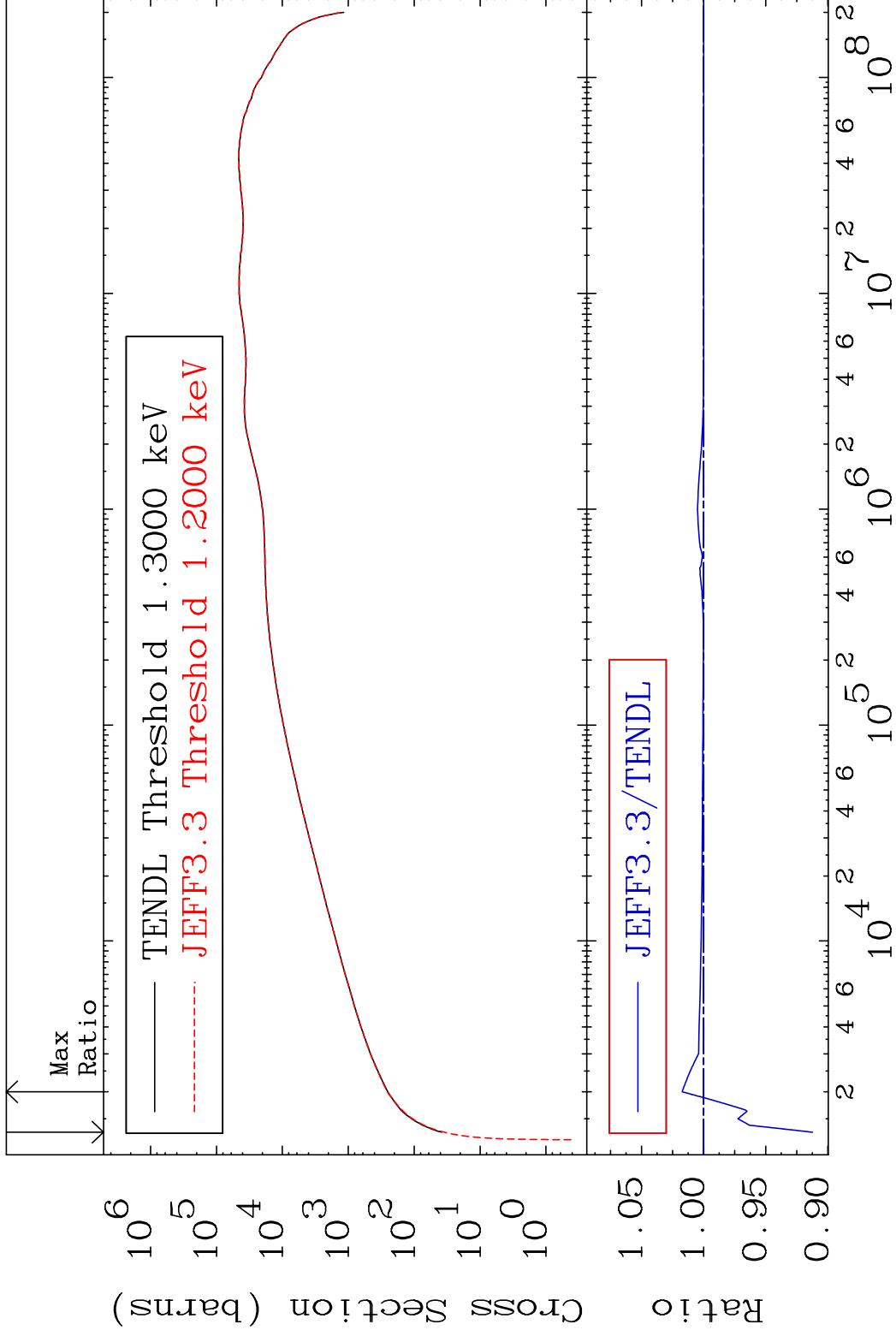
78-Pt-193

MAT 7834

Dpa elastic (mt2)

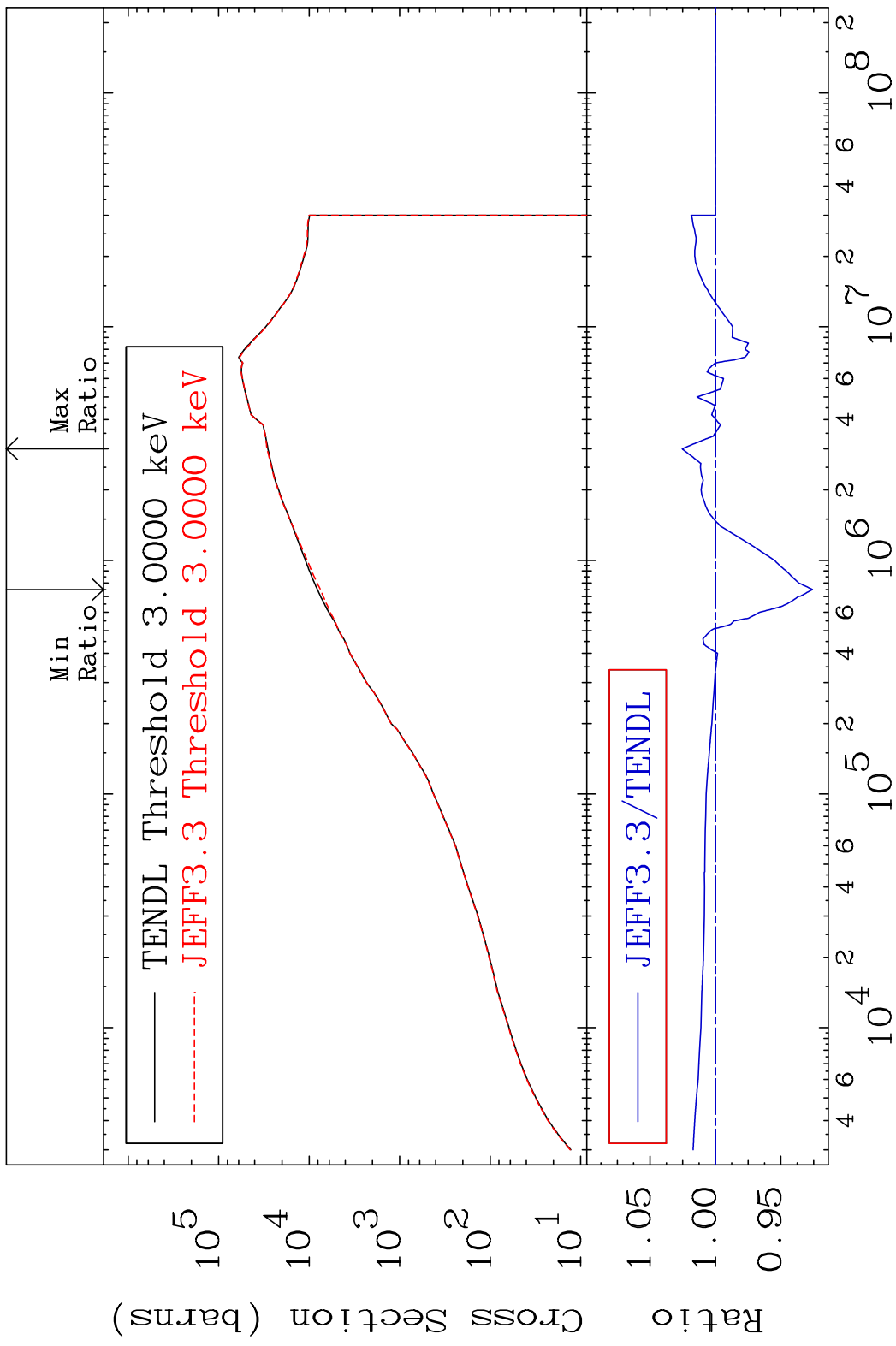
78-Pt-193

Cross Section -8.773 To 1.728 %



MAT 7834

Dpa inelastic (mt51-91) 78-Pt-193
Cross Section -7.416 To 2.544 %

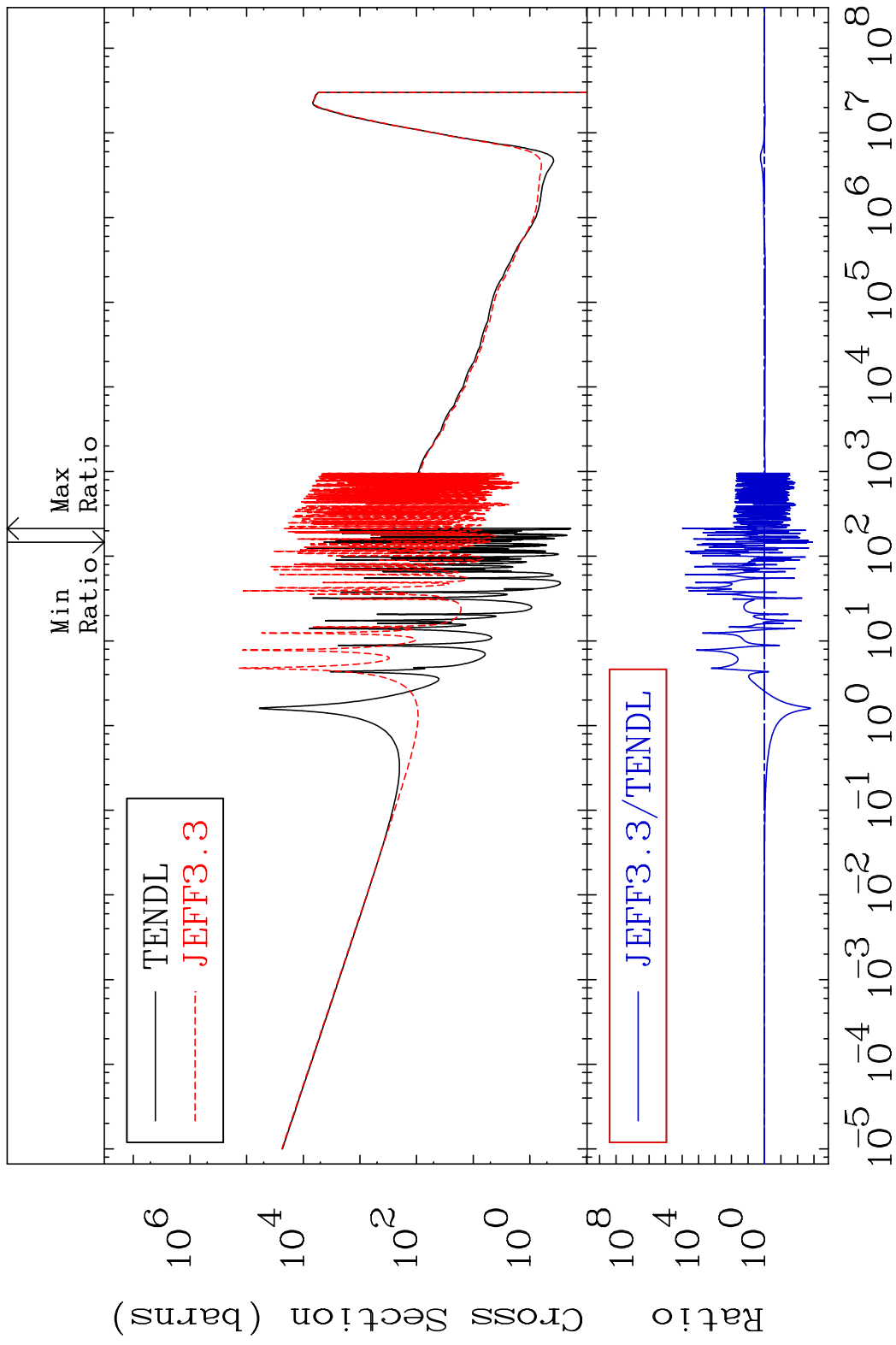


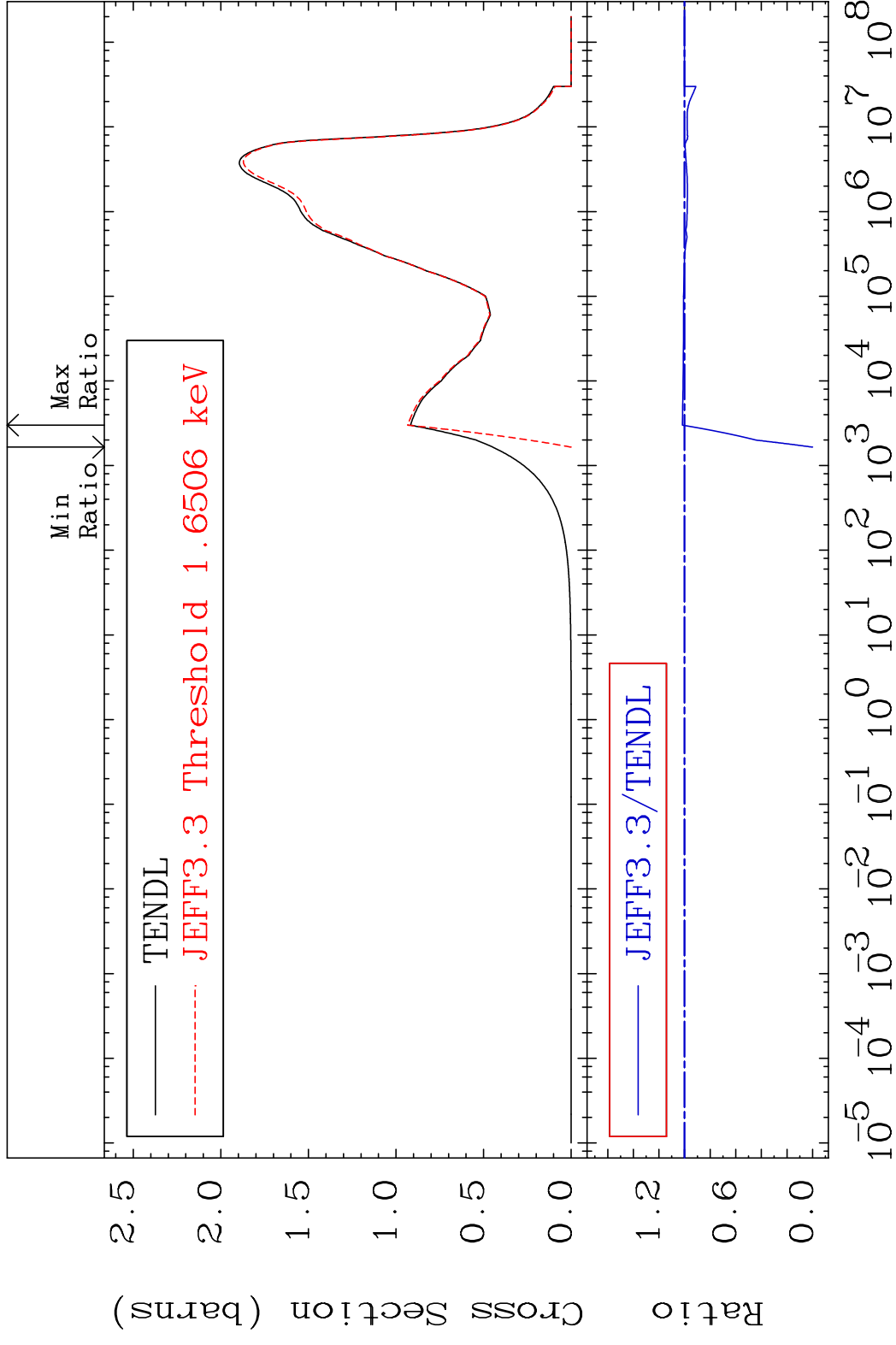
65

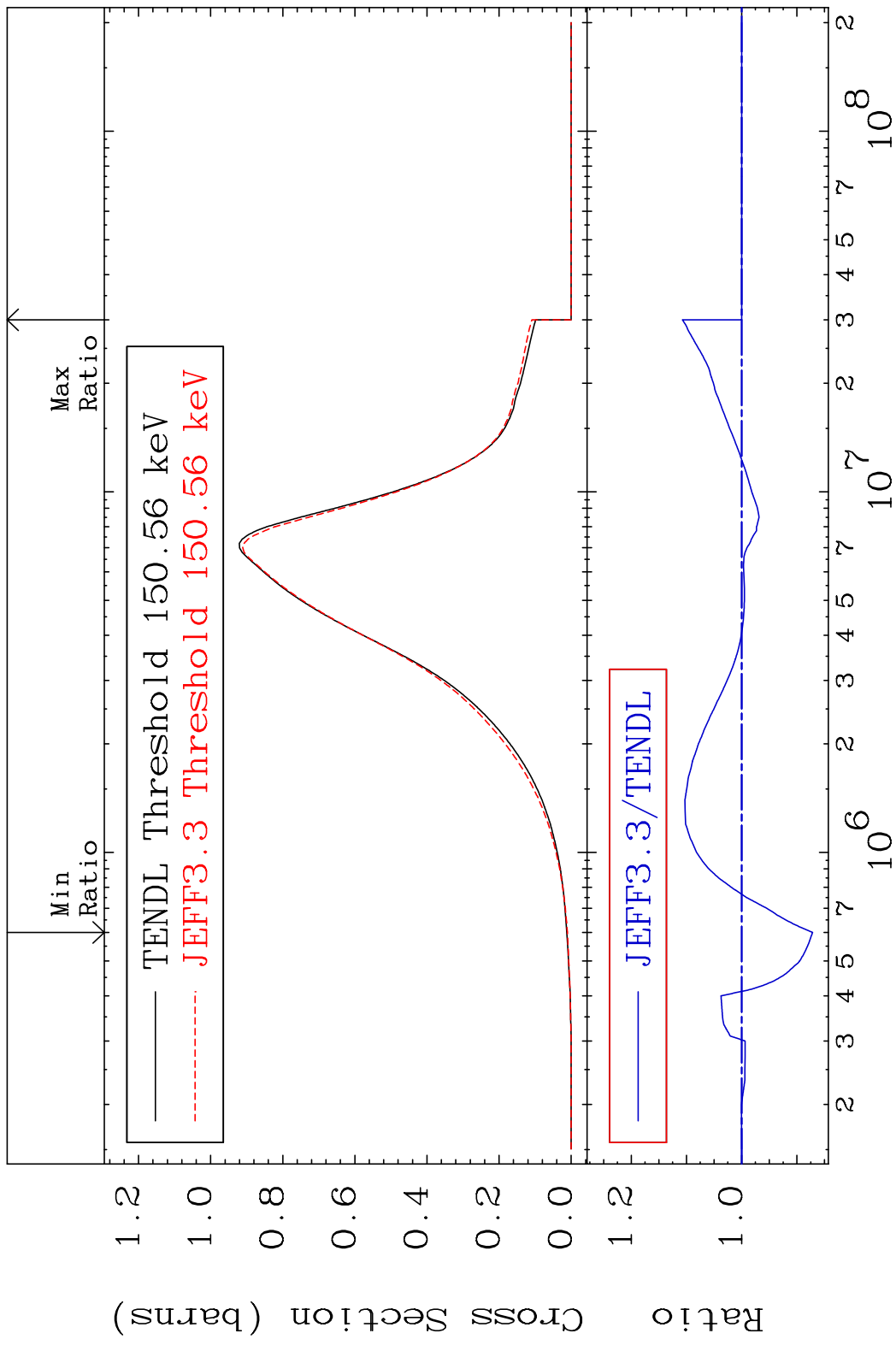
Incident Energy (eV)

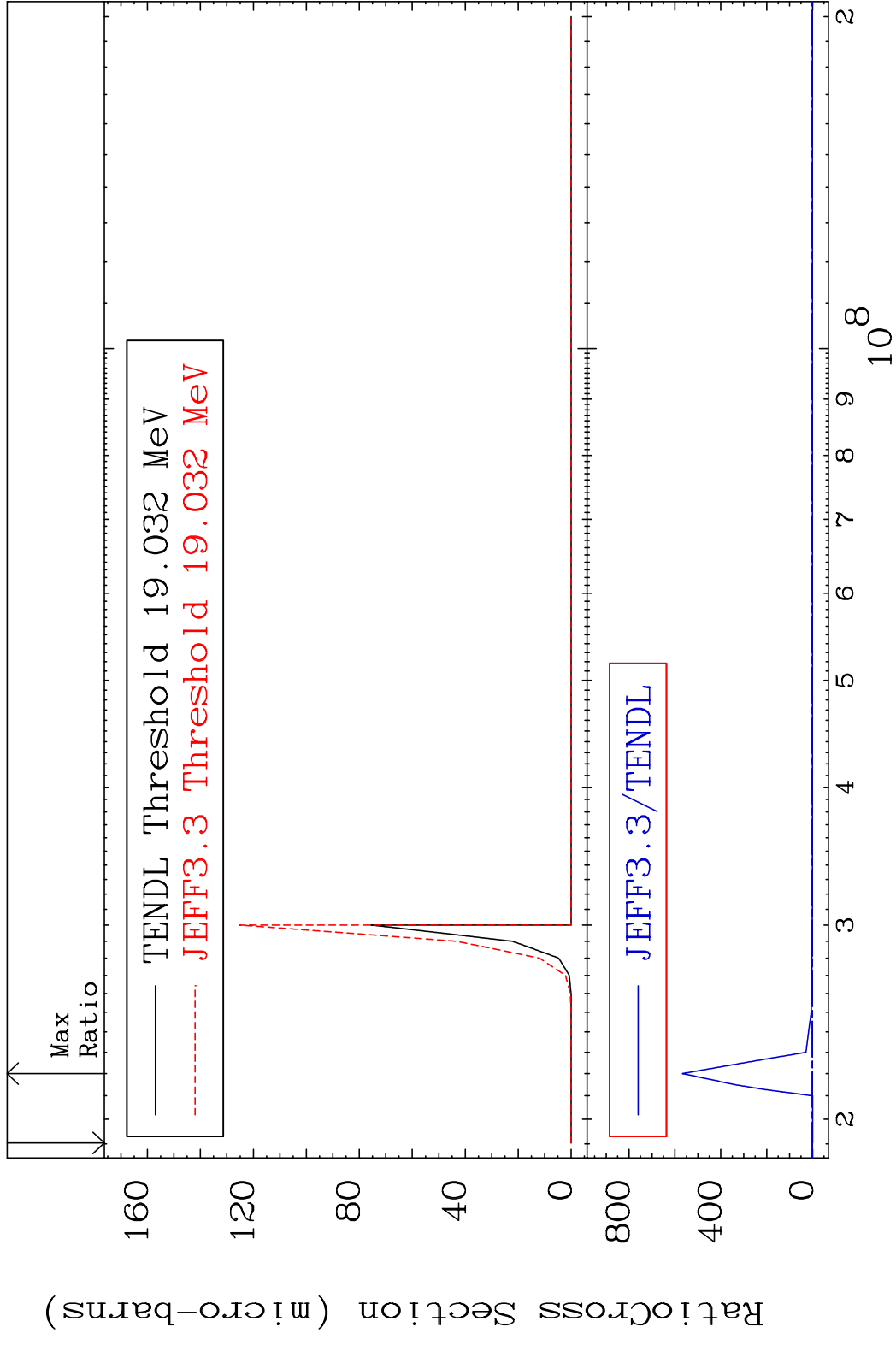
78-Pt-193

MAT 7834 Dpa disappearance (mt102 -120) 78-Pt-193
 Cross Section -99.88 To 9999. %

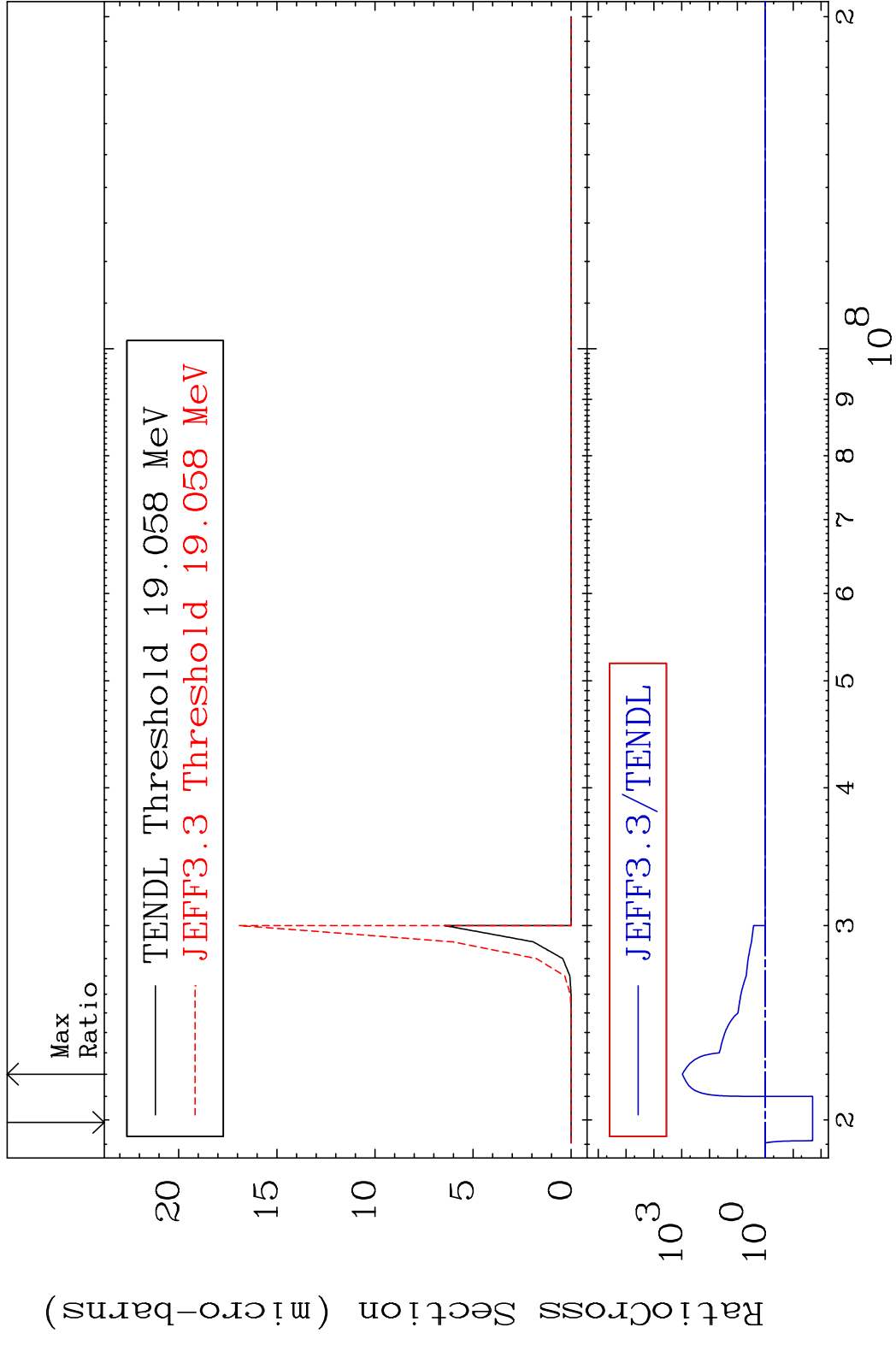


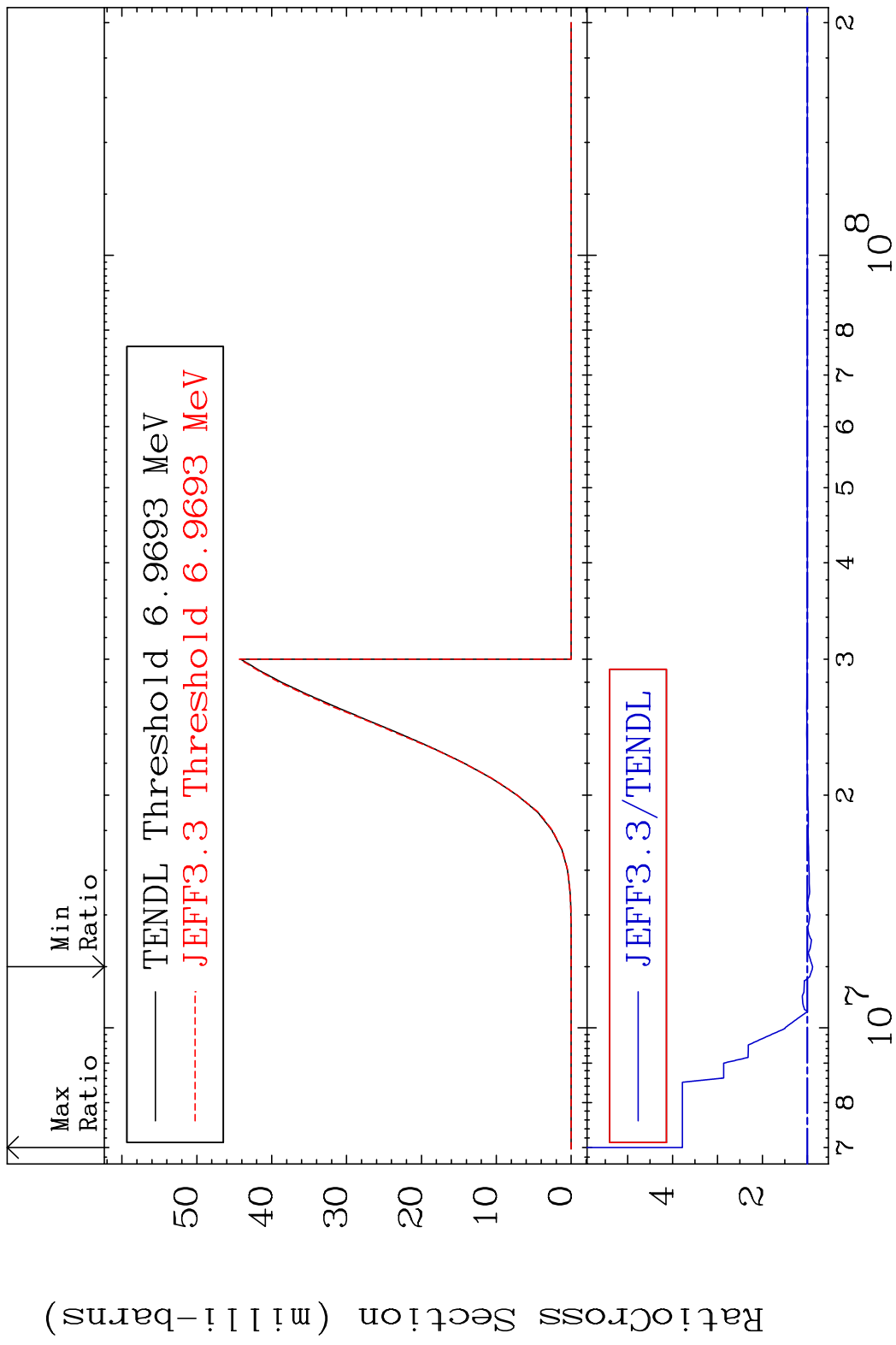


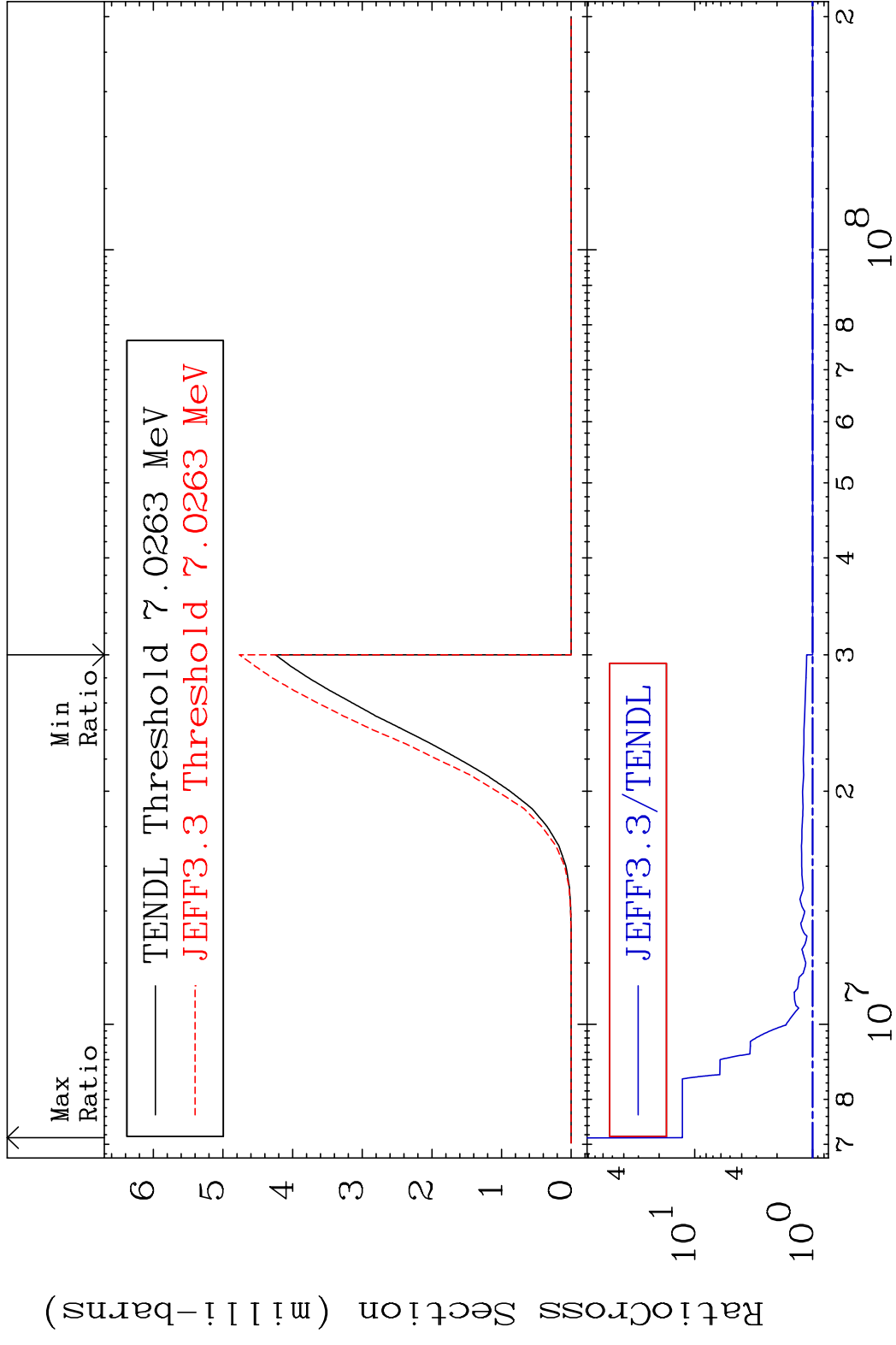


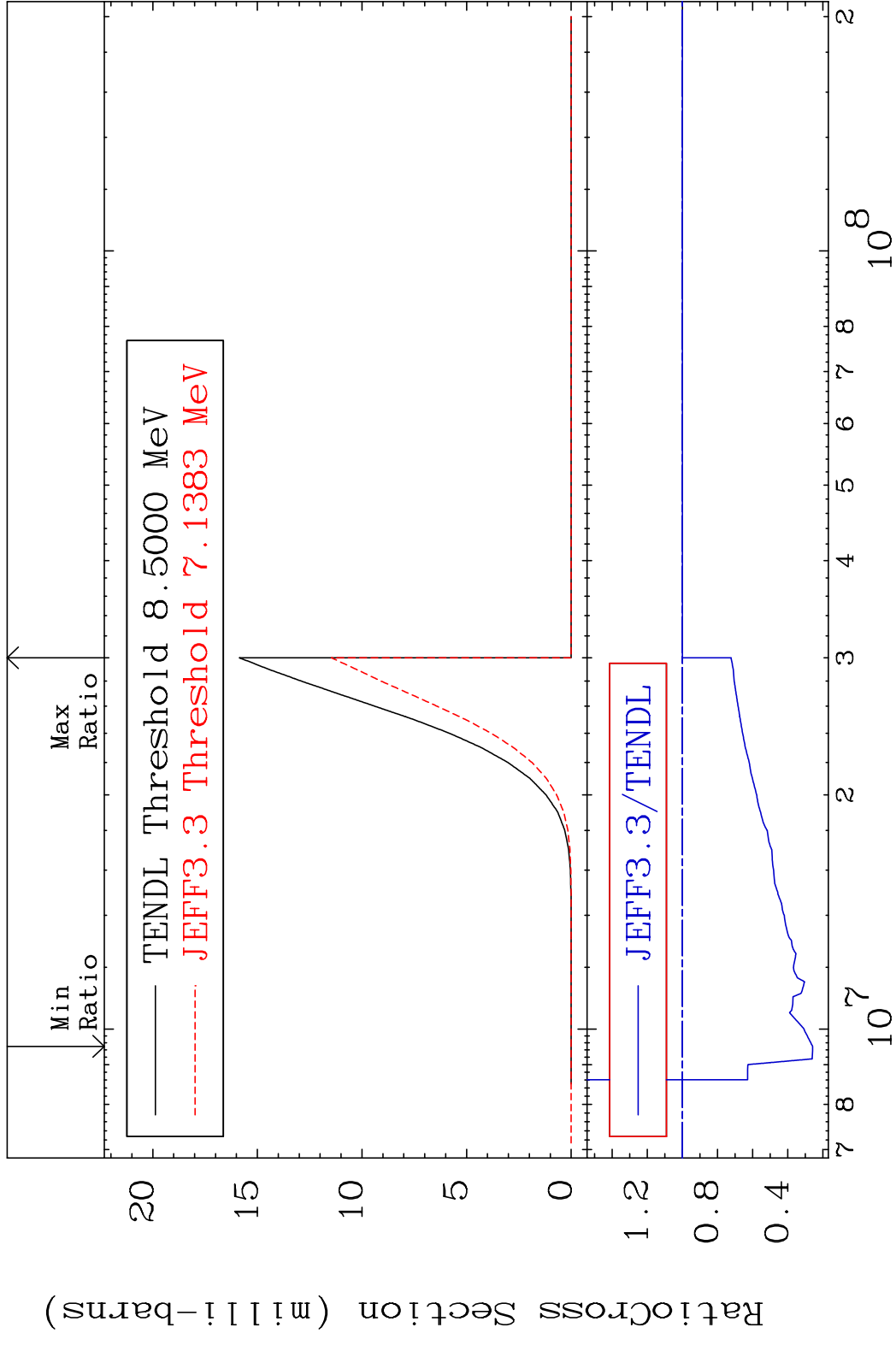


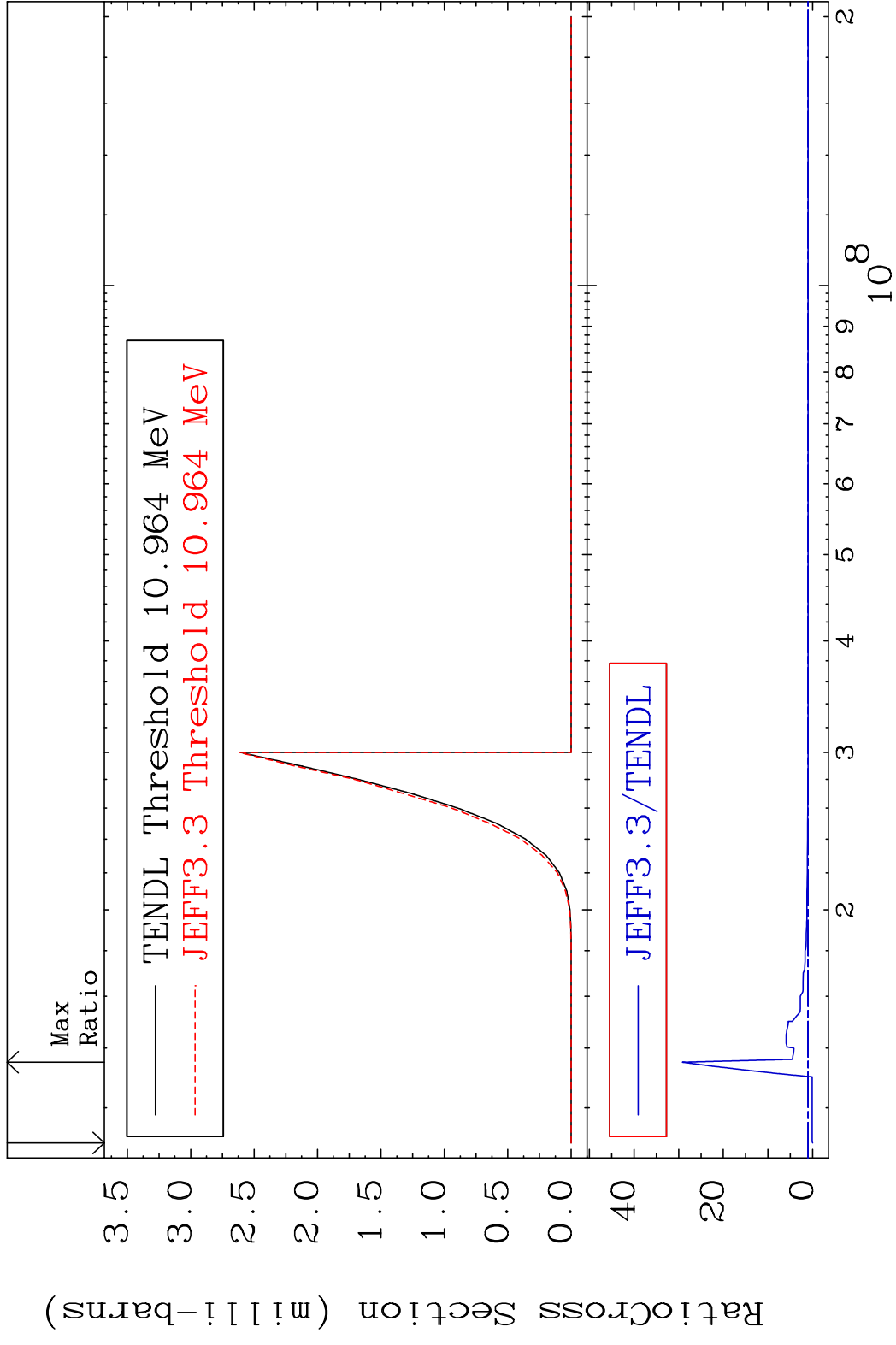
MAT 7834 (n,2n) d:77-Ir-190m2 78-Pt-193
 Radionuclide Production Cross Section to 9999. %

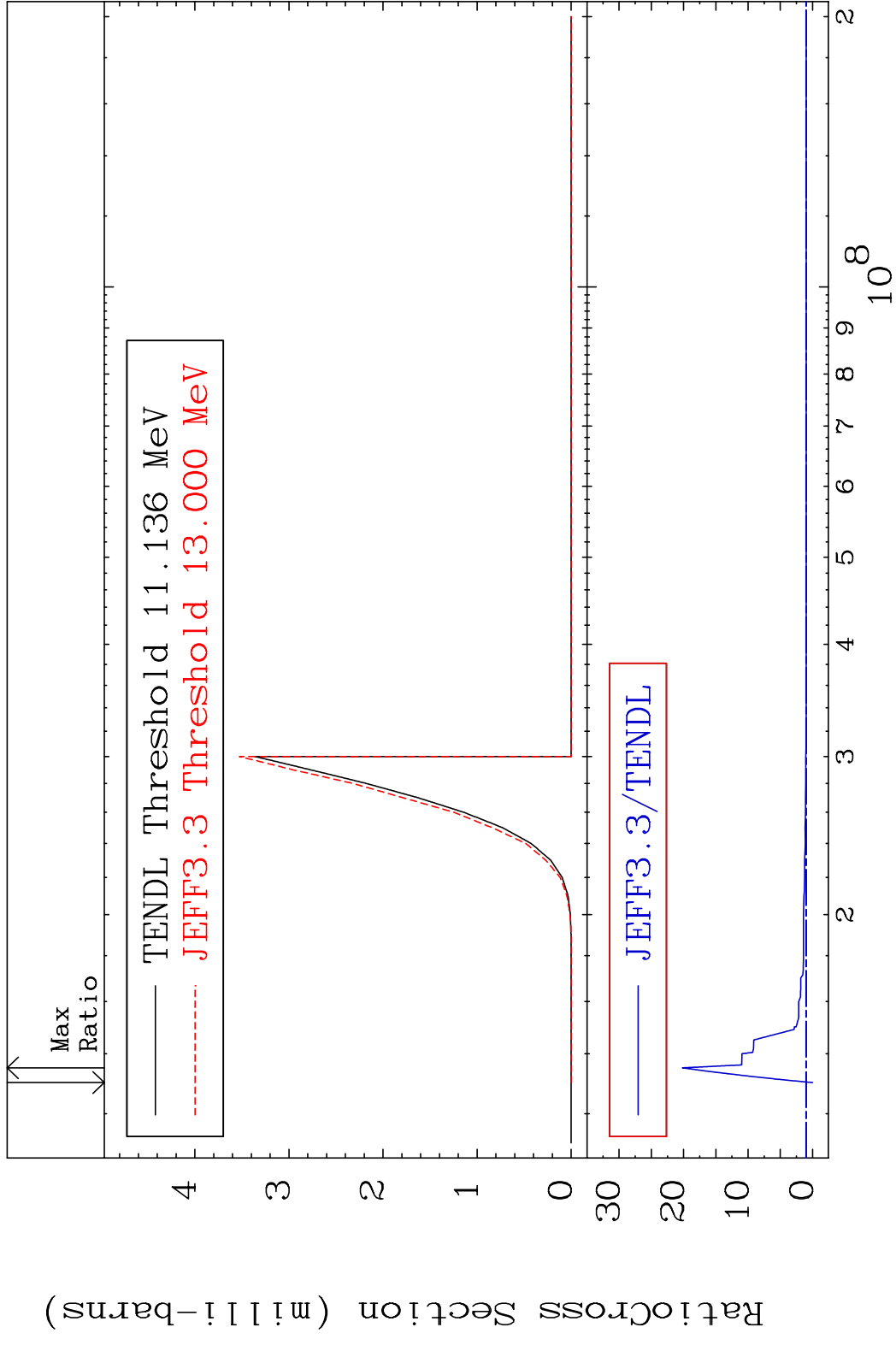




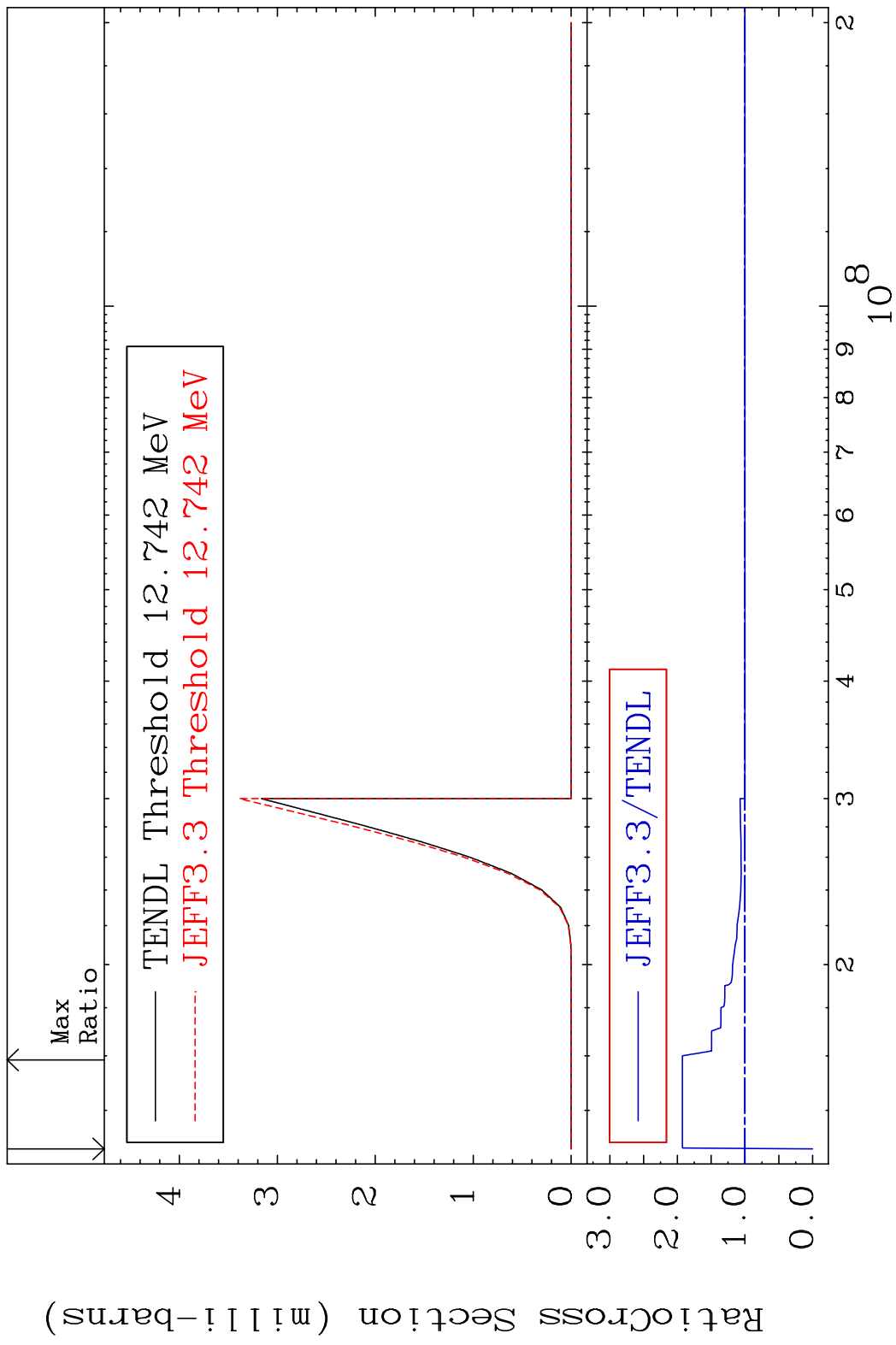




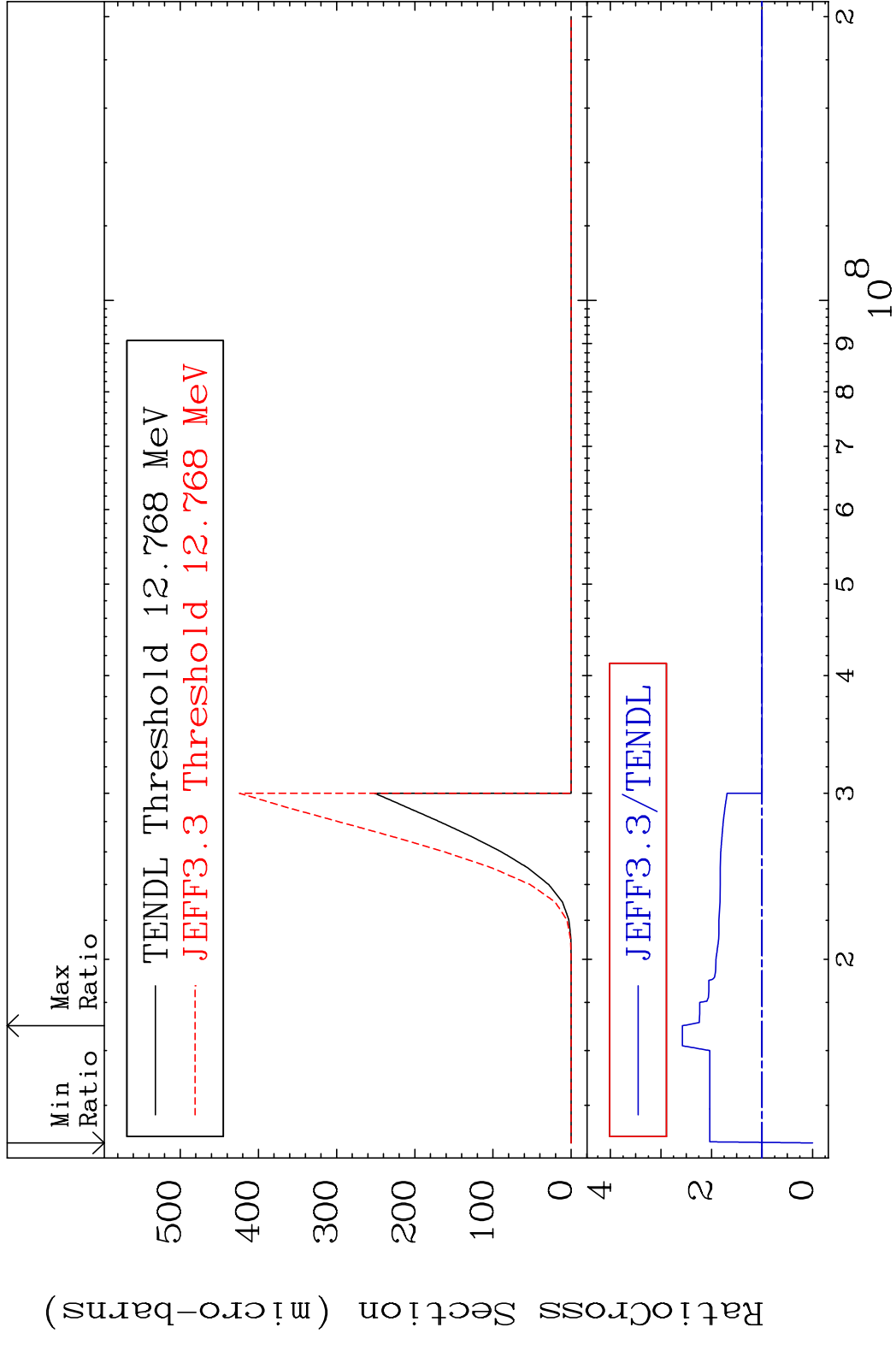




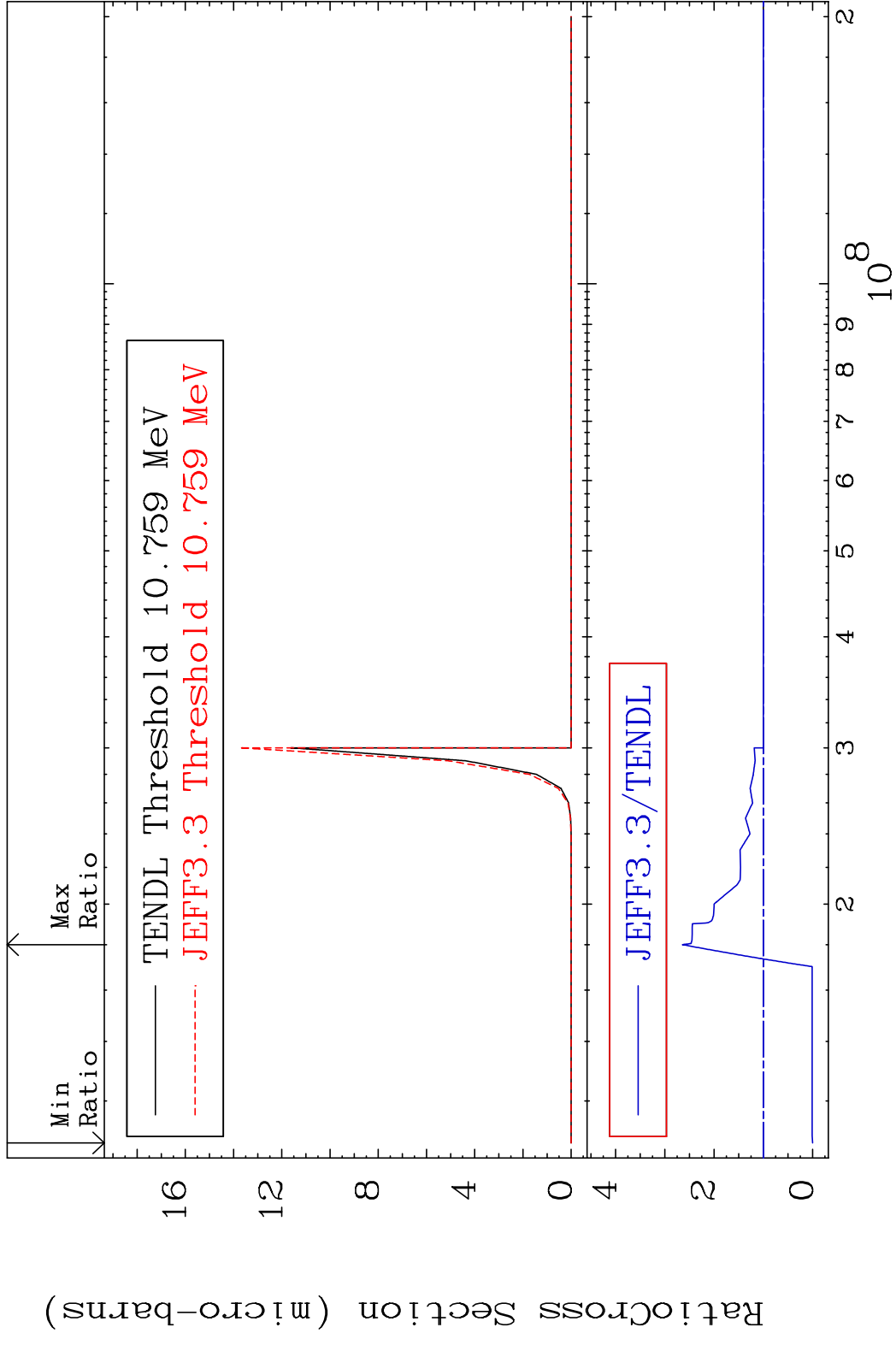
MAT 7834 (n, n') t:77-Ir-190g 78-Pt-193
 Radionuclide Production Cross Section 180.01 dth 92.67 %

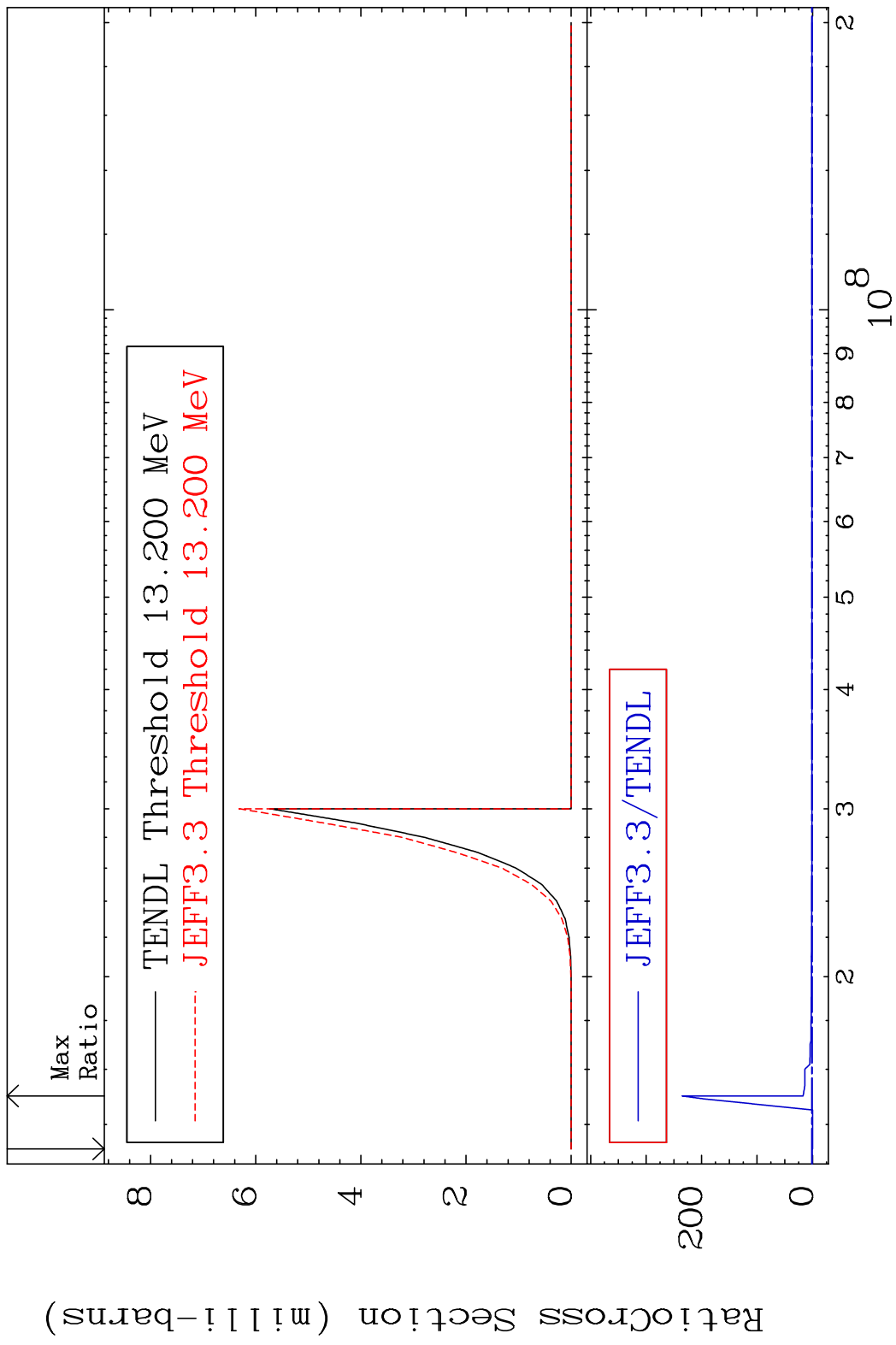


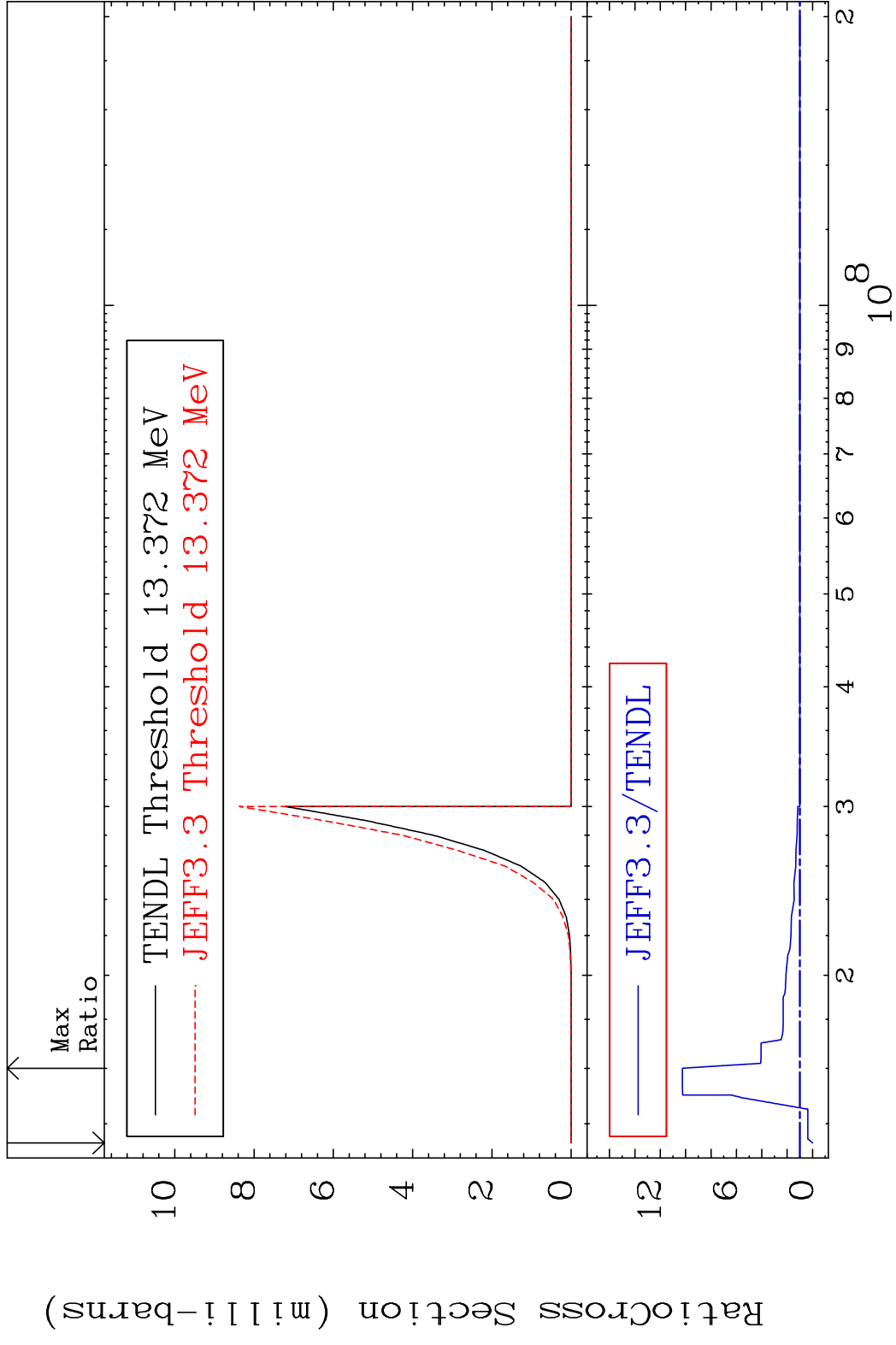
MAT 7834 (n, n') t:77-Ir-190m2 78-Pt-193
 Radionuclide Production Cross Section 157.6 %

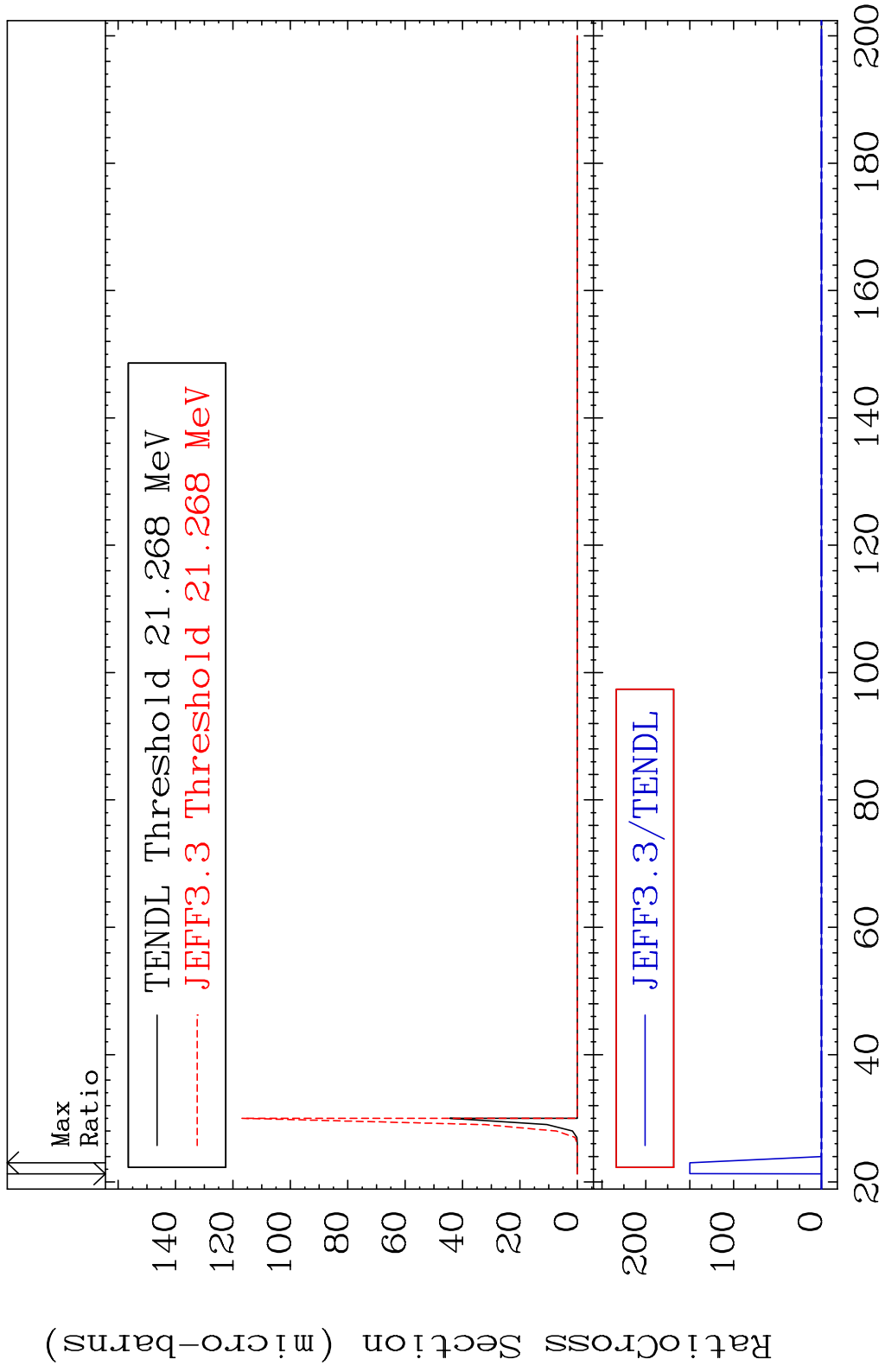


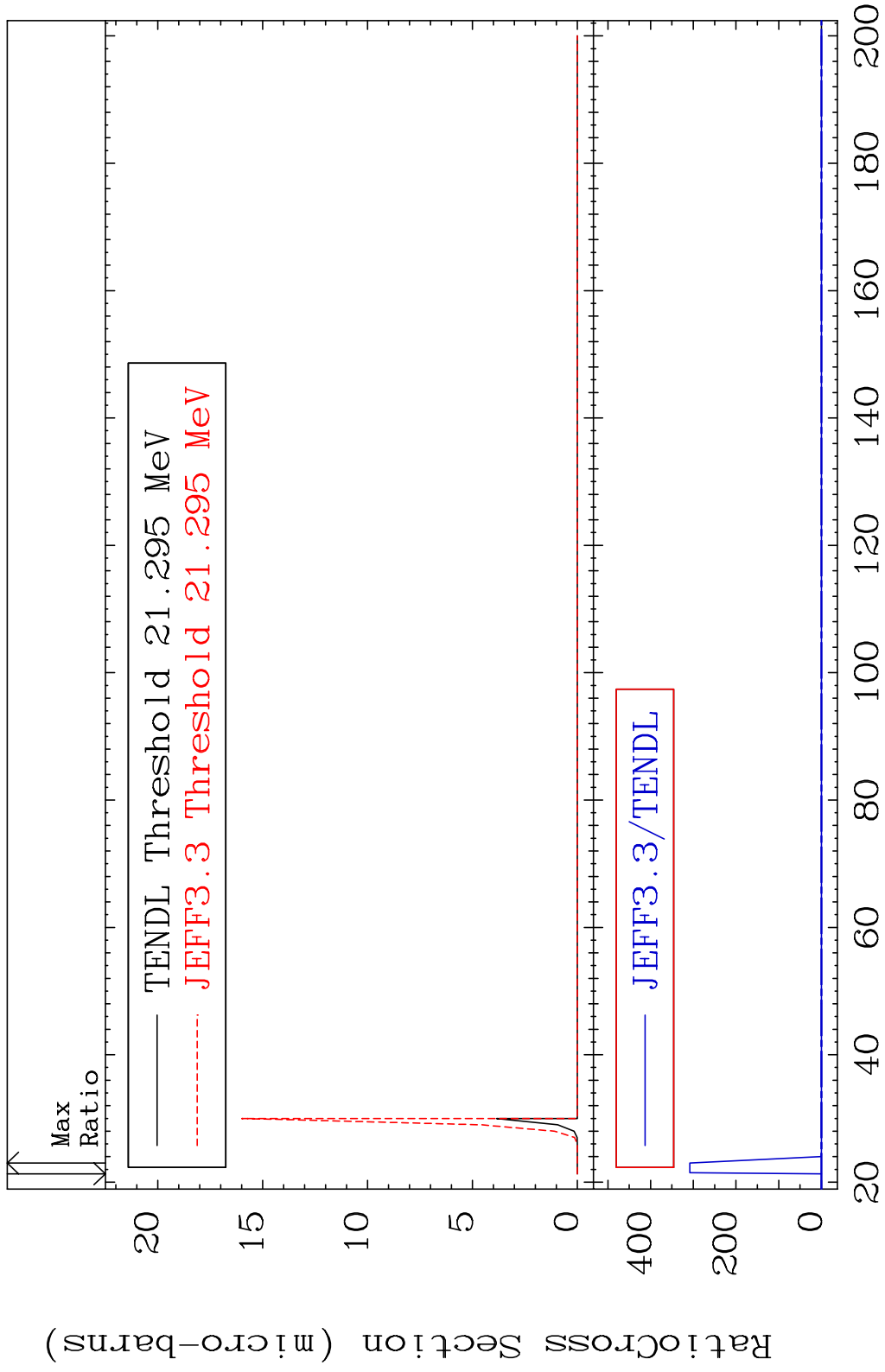
MAT 7834 (n, n') He-3:76-0s-190g 78-Pt-193
 Radionuclide Production Cross Section 180.0 d to 164.5 %

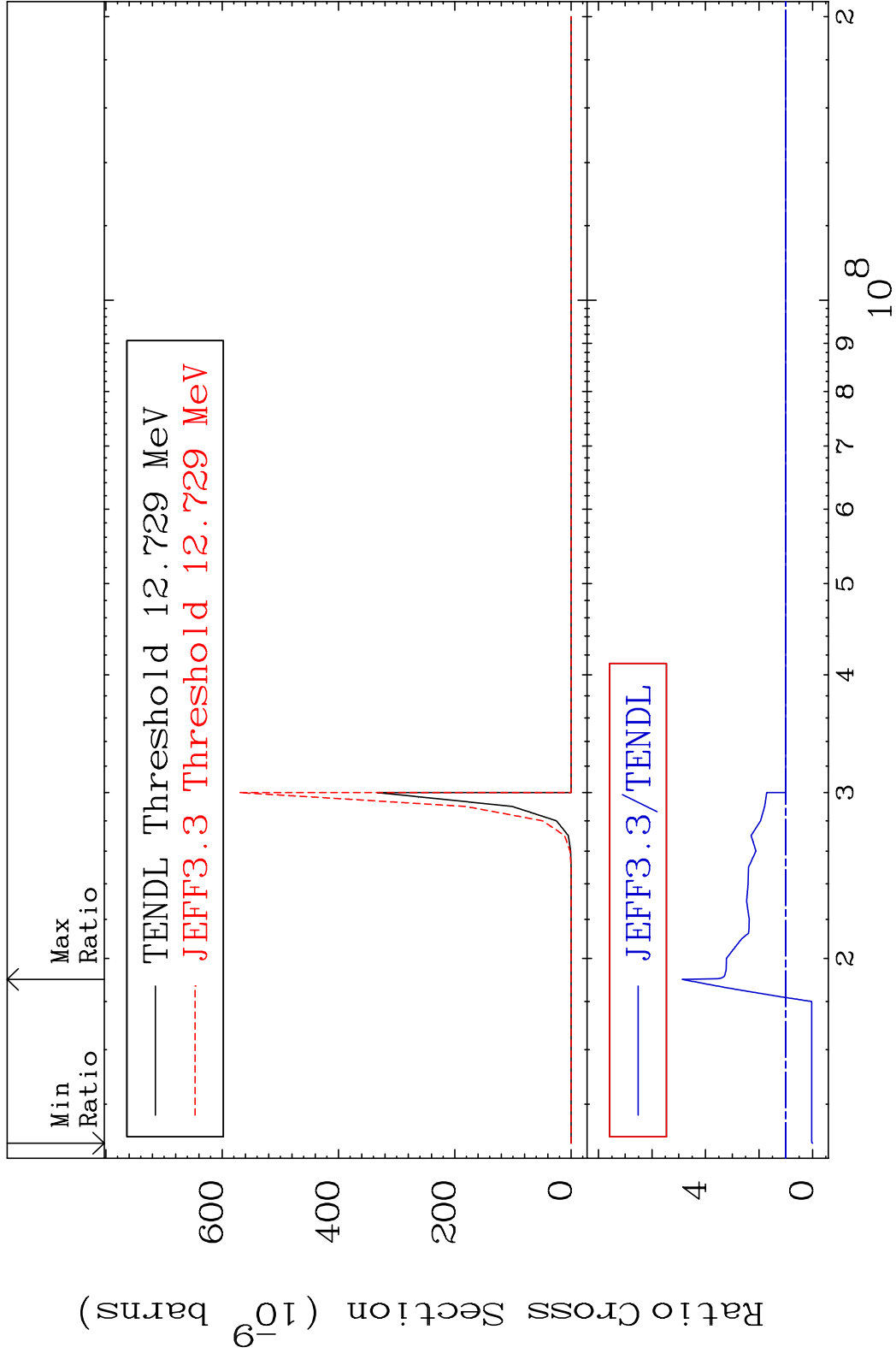


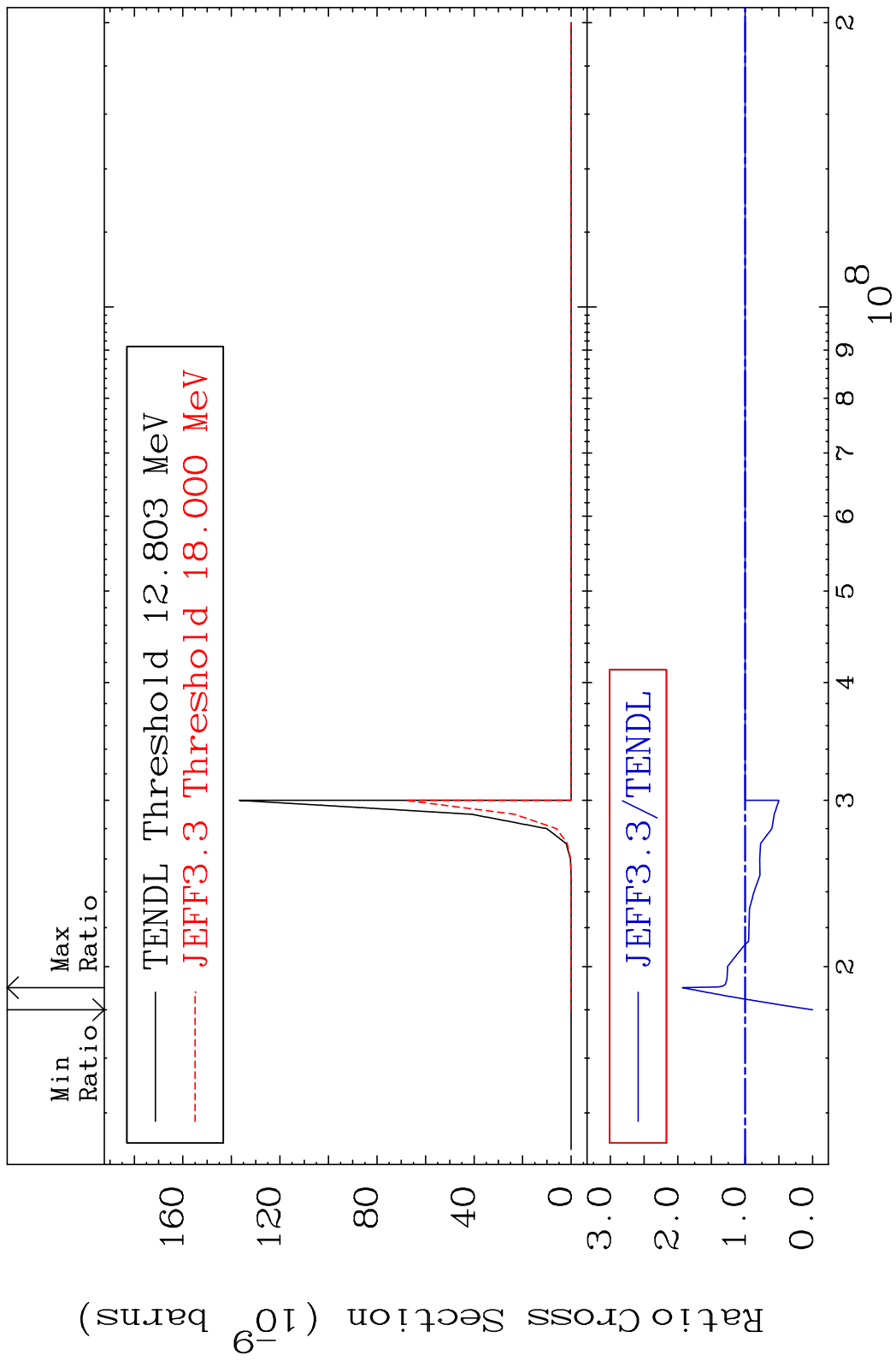


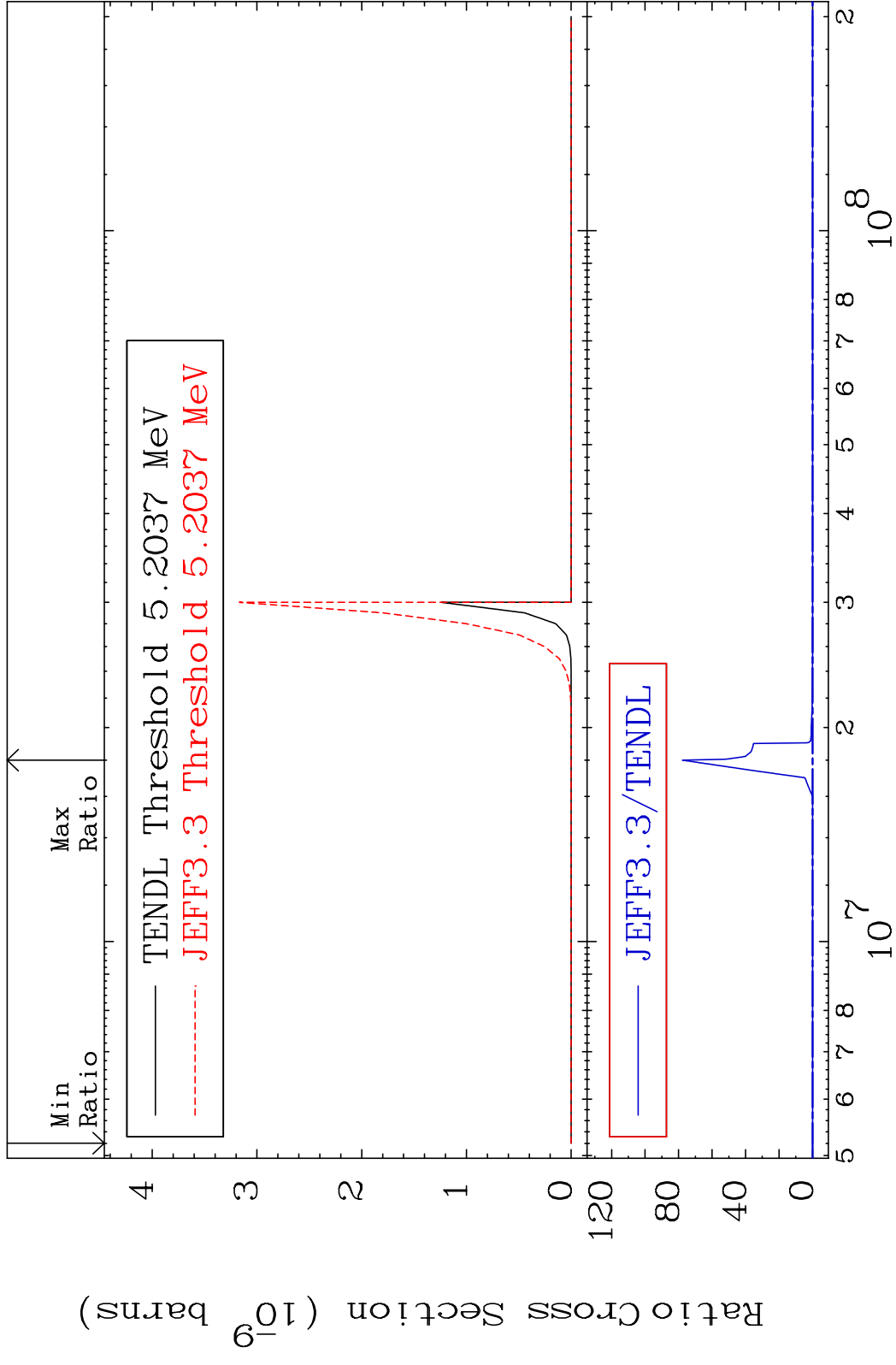


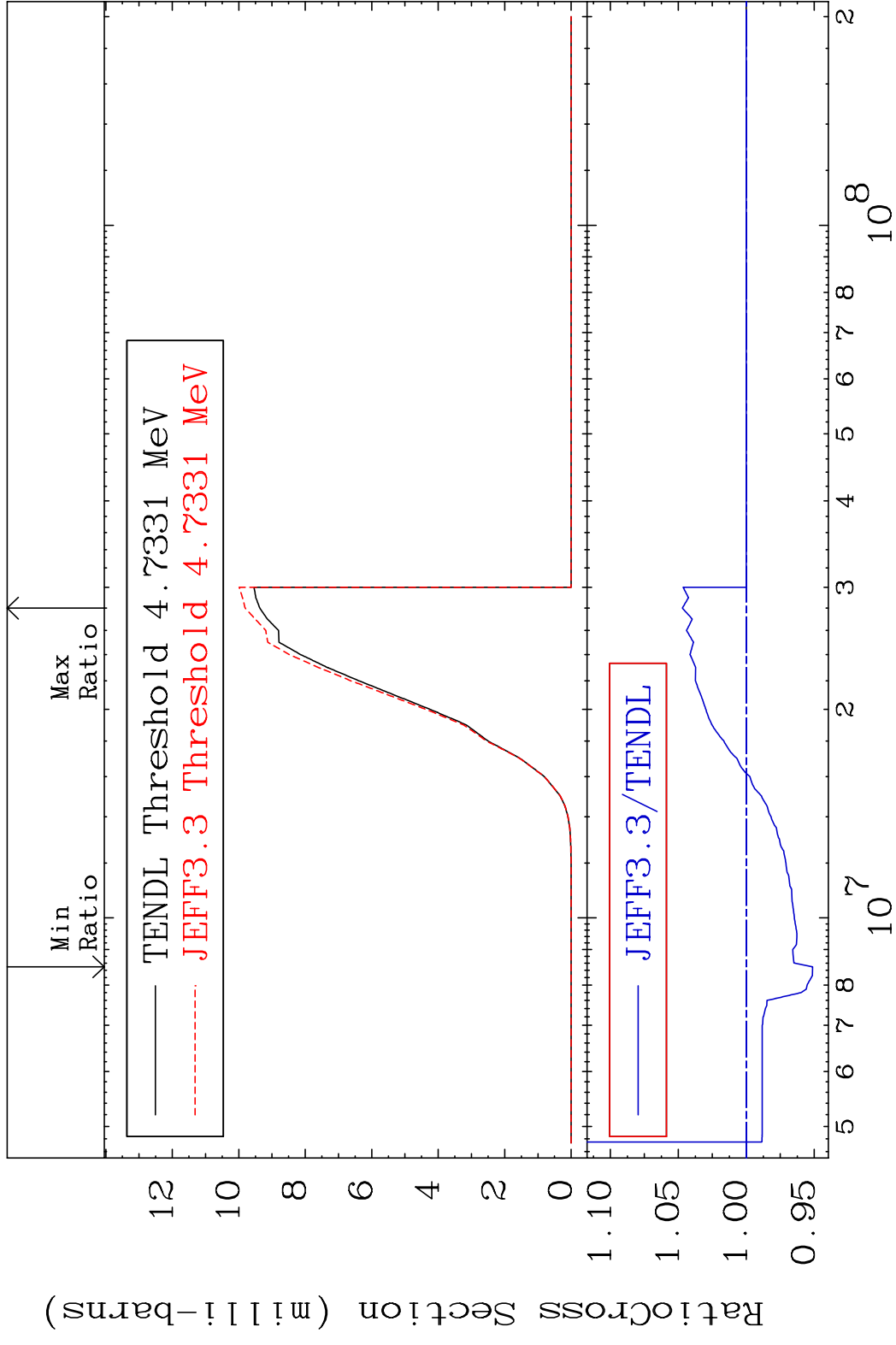


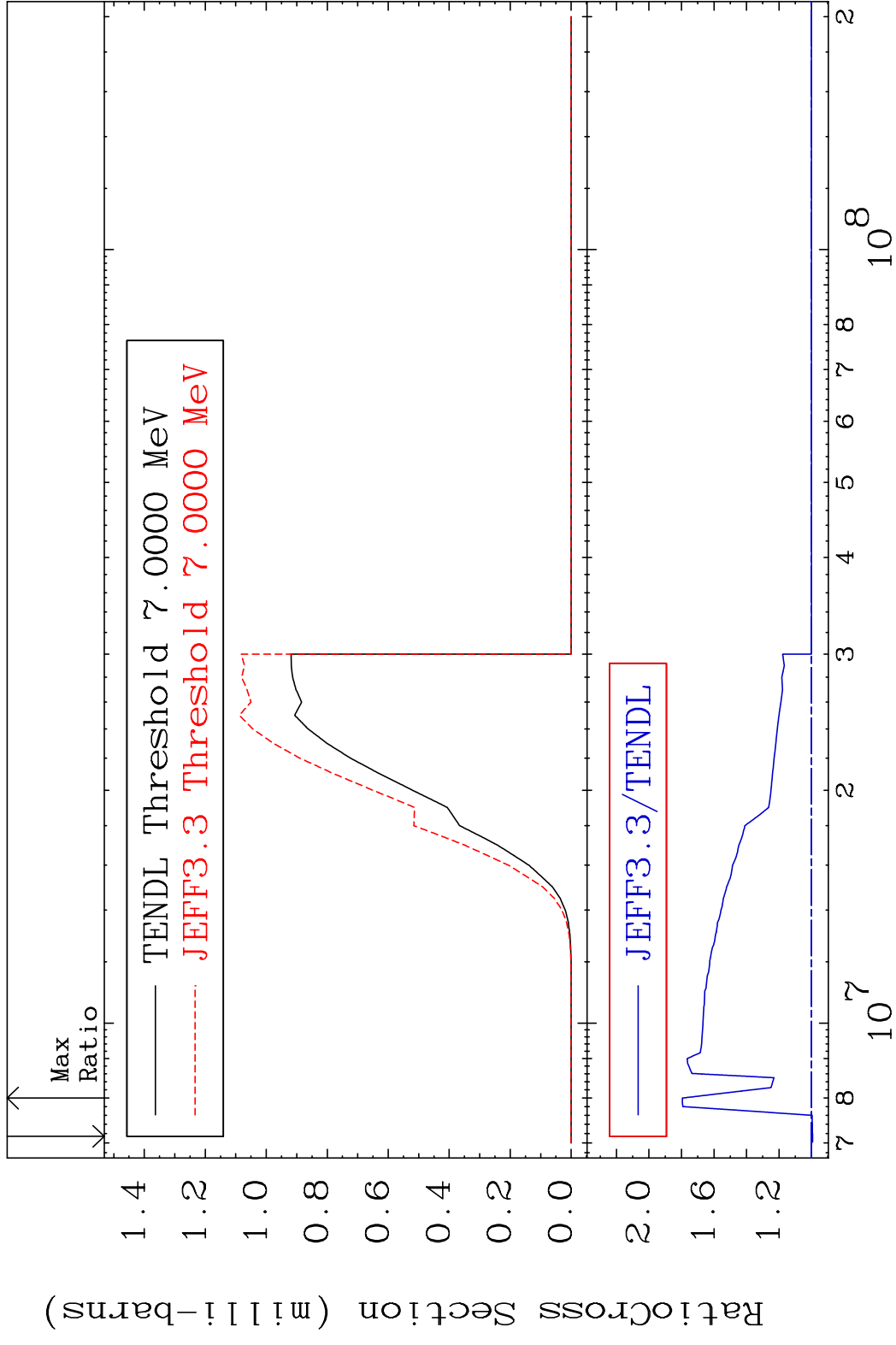




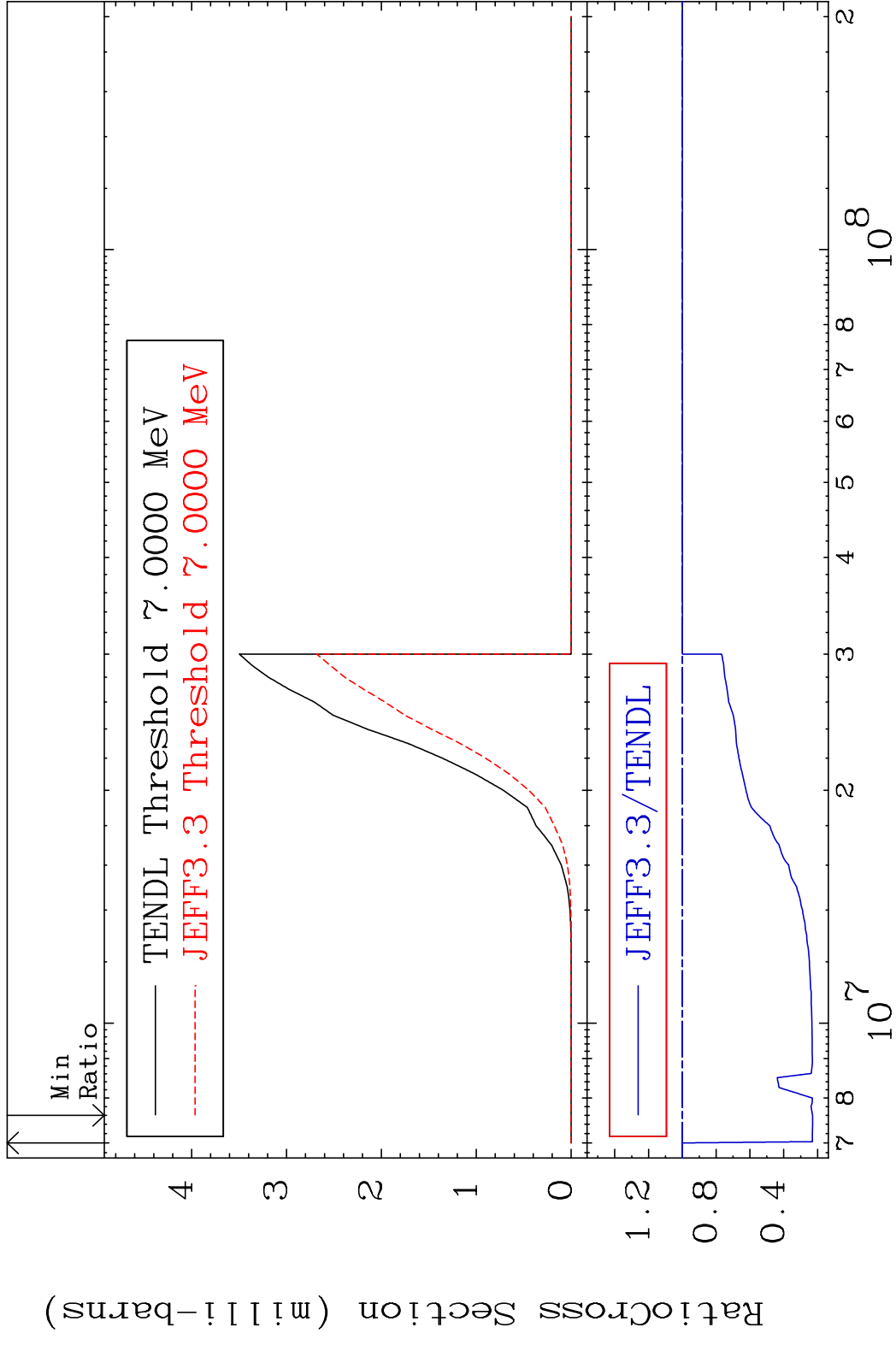




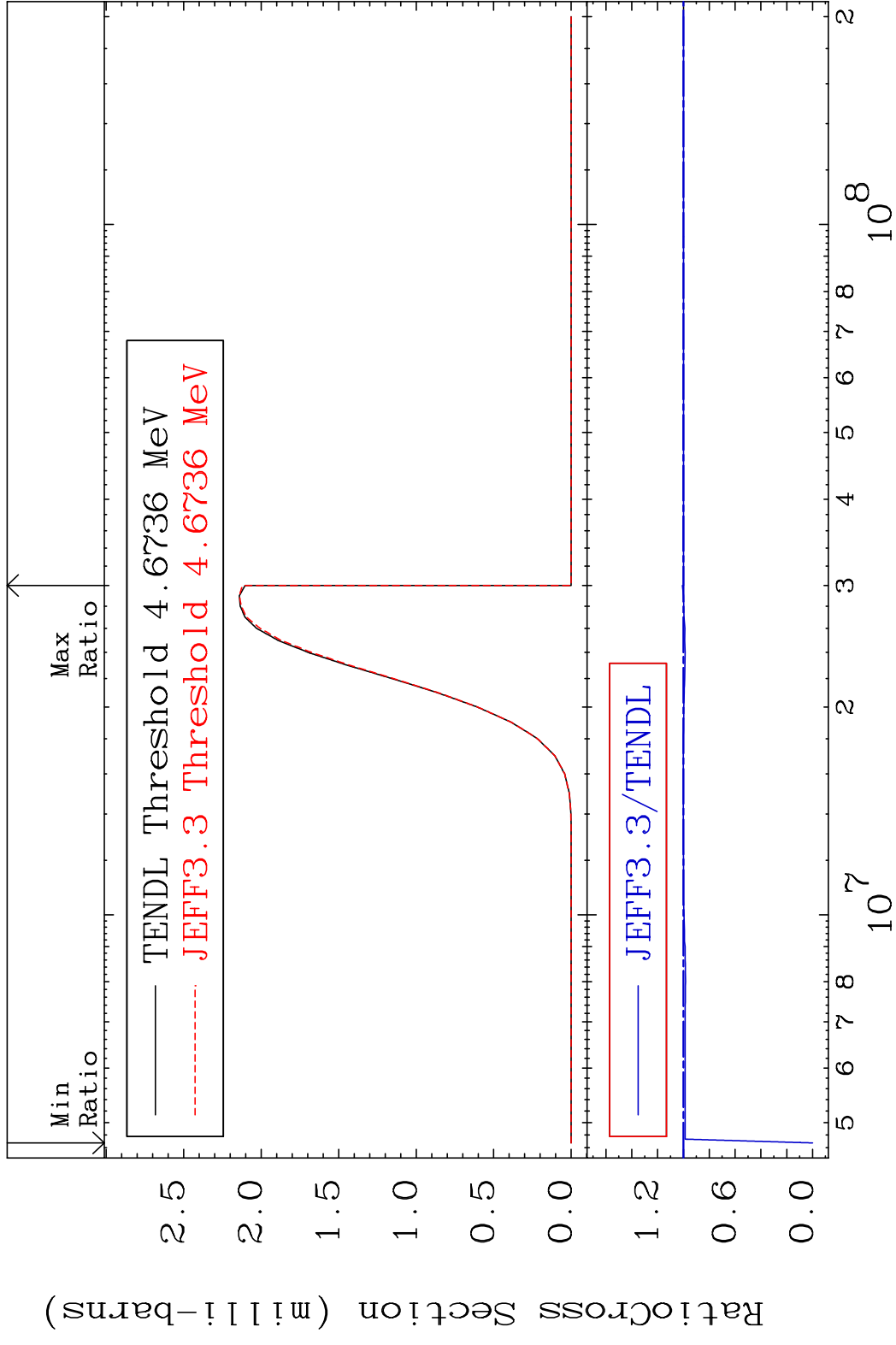




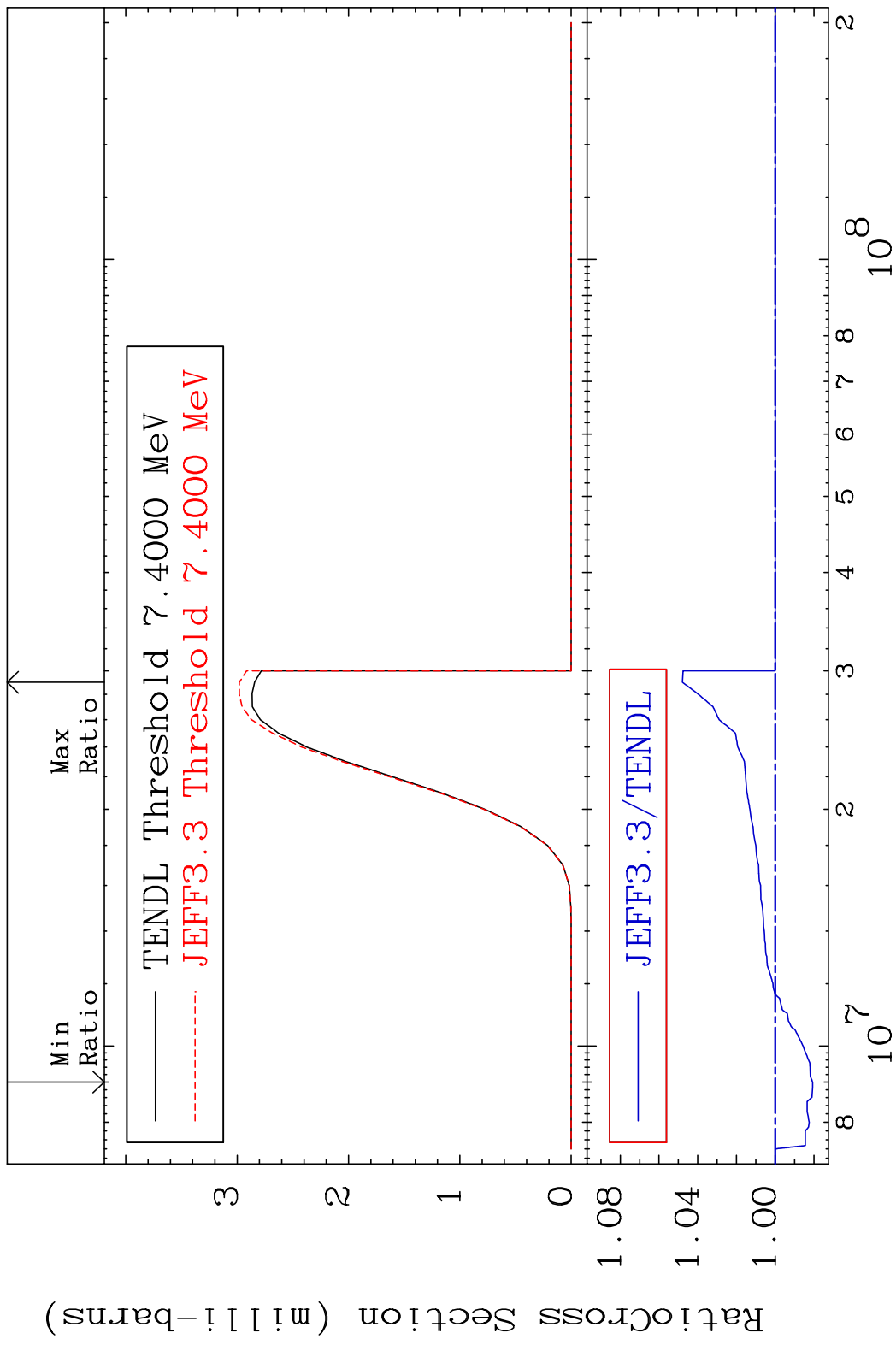
MAT 7834 (n, d): 77-Ir-192m15 78-Pt-193
 Radionuclide Production Cross Section 78Pt-193 0.000 %

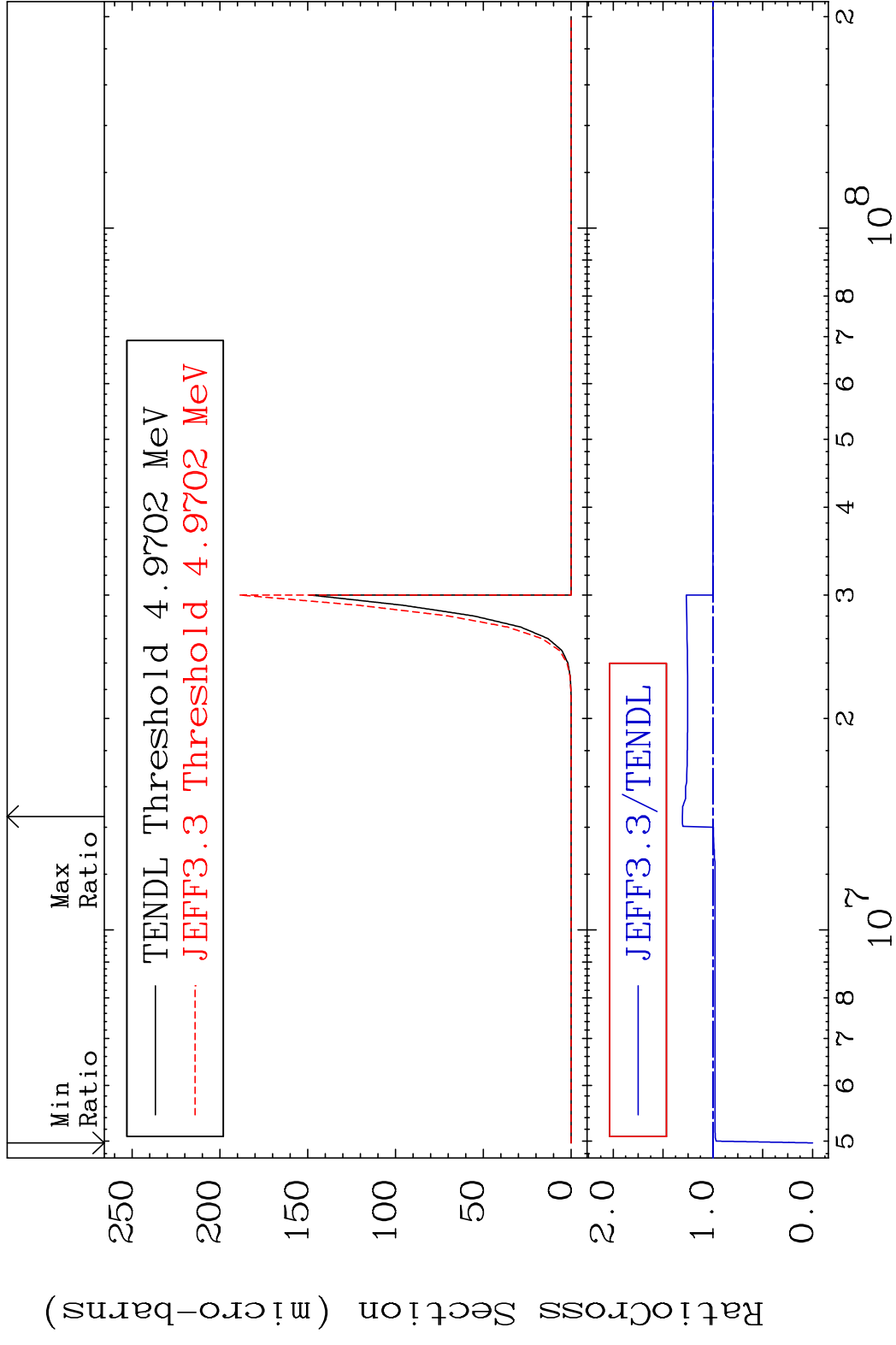


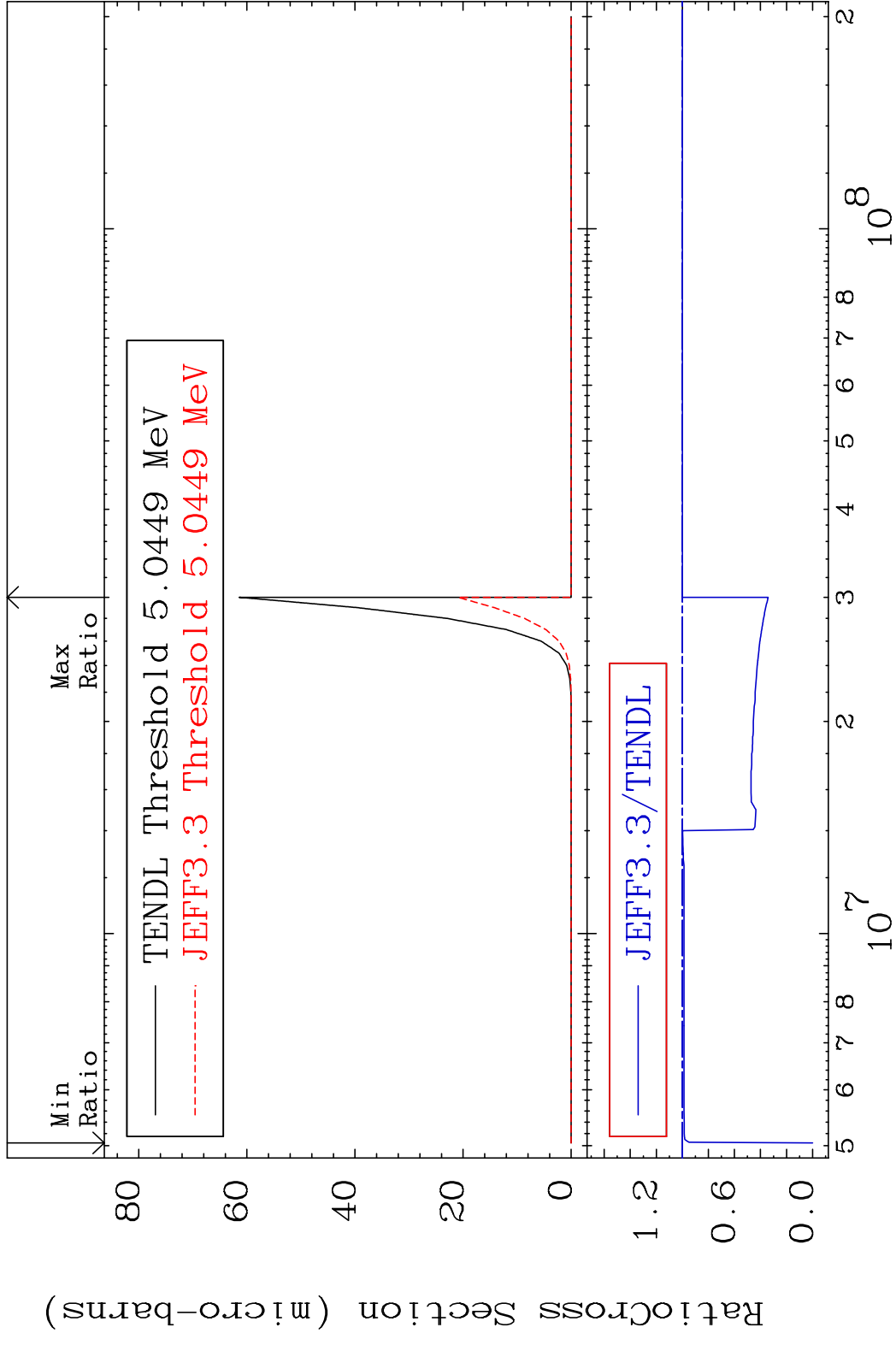
MAT 7834 (n,t):77-Ir-191g 78-Pt-193
 Radionuclide Production Cross Section 0.825 %

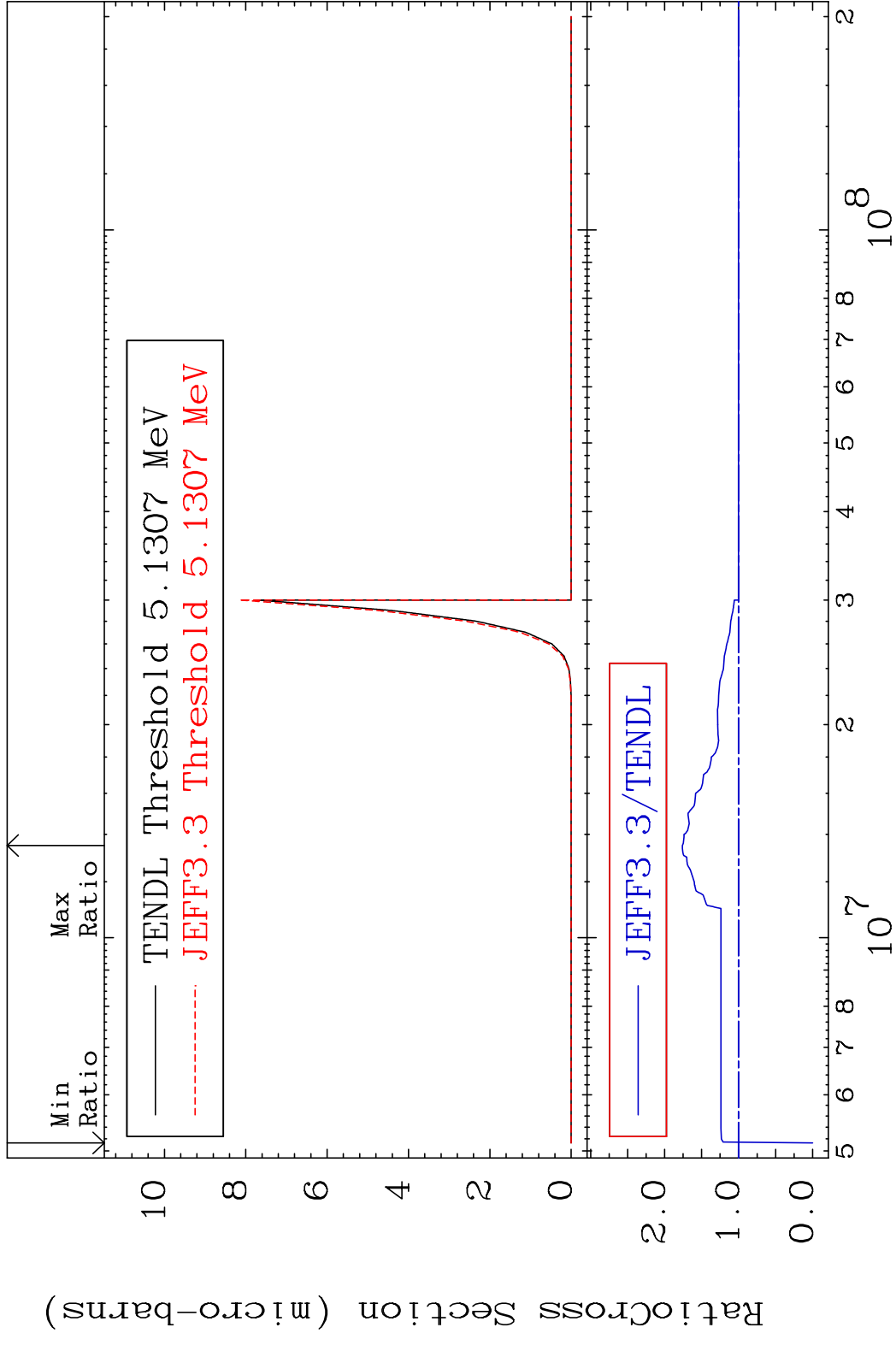


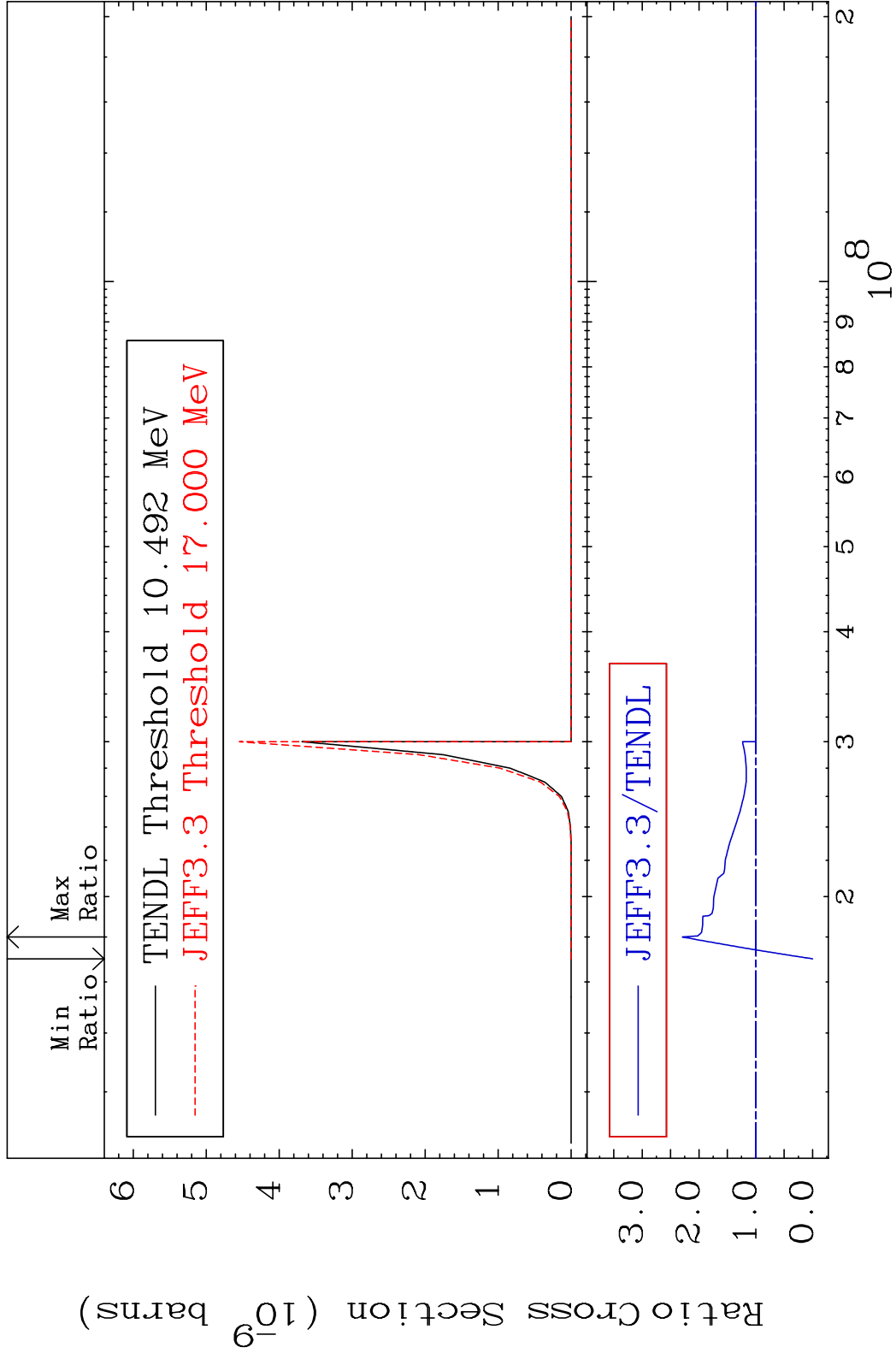
MAT 7834 (n, t): 77-Ir-191m3 78-Pt-193
 Radionuclide Production Cross Section 4.795 %

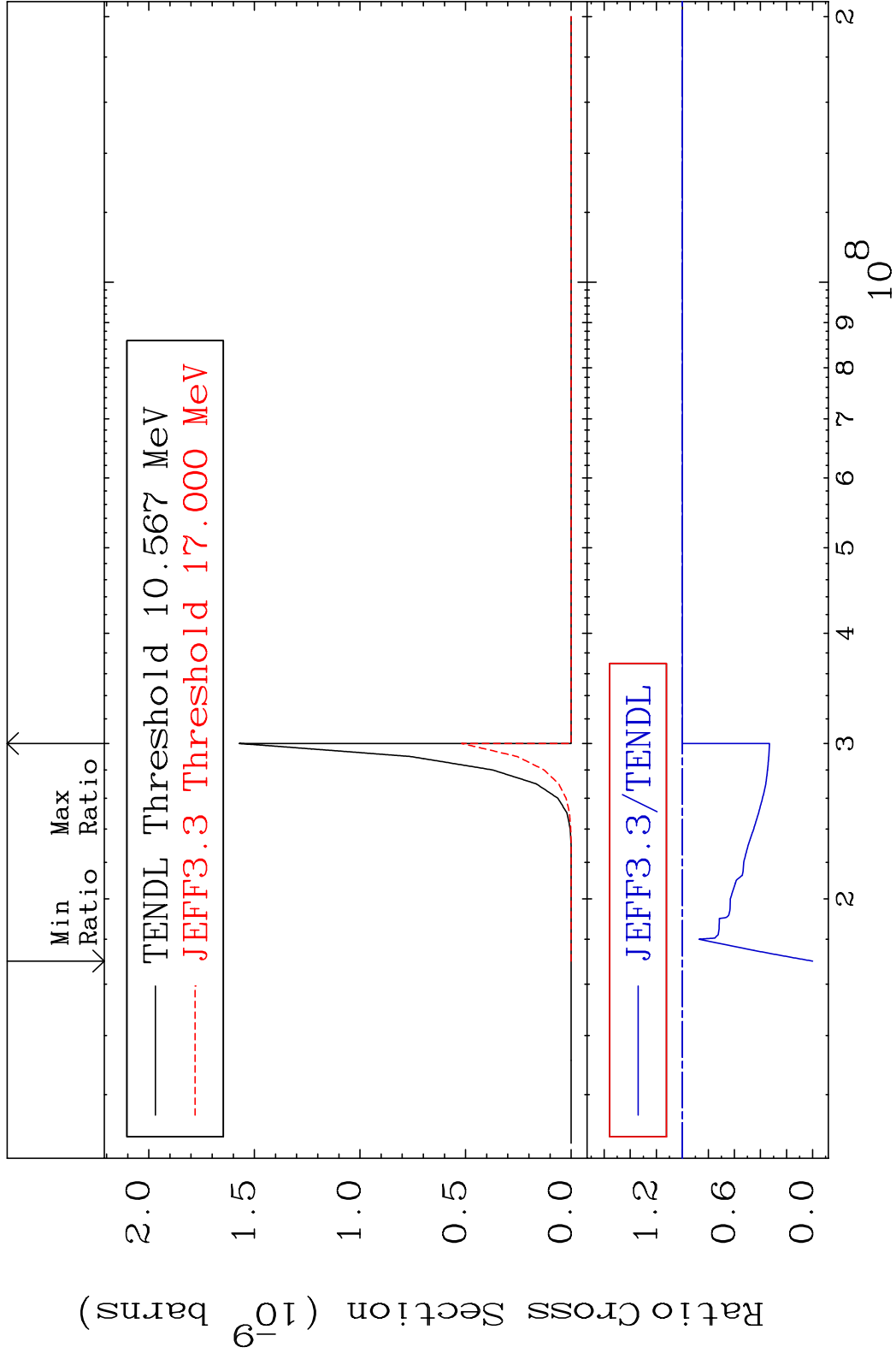












MAT 7834 (n,p) t:76-0s-190g 78-Pt-193
 Radionuclide Production Cross Section Ratio 9.877 %

