

Program Complot
(Version 2021-1)

by

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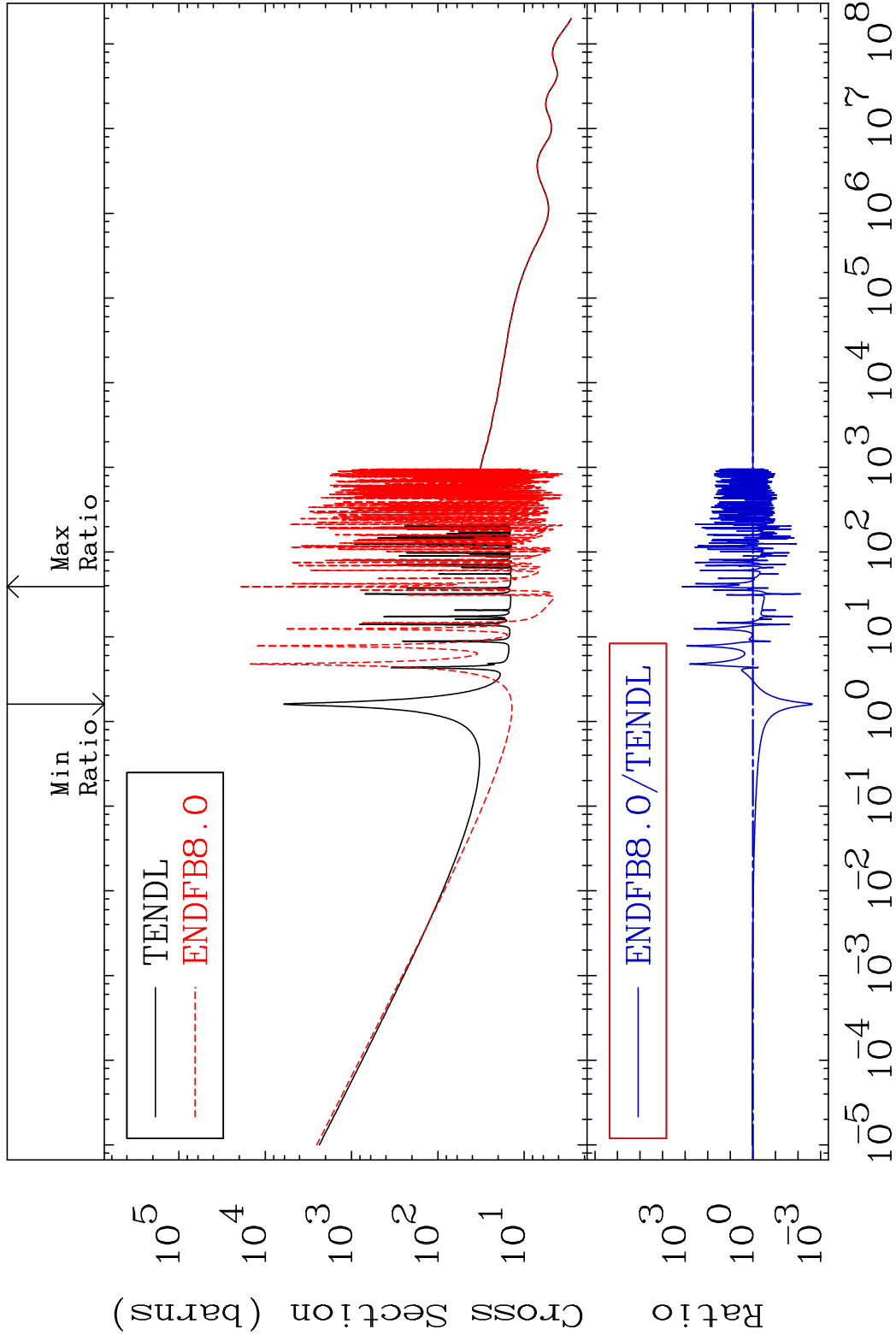
Press Mouse Button to Start

MAT 7834

Total

78-Pt-193

Cross Section -99.77 To 9999. %



1

Incident Energy (eV)

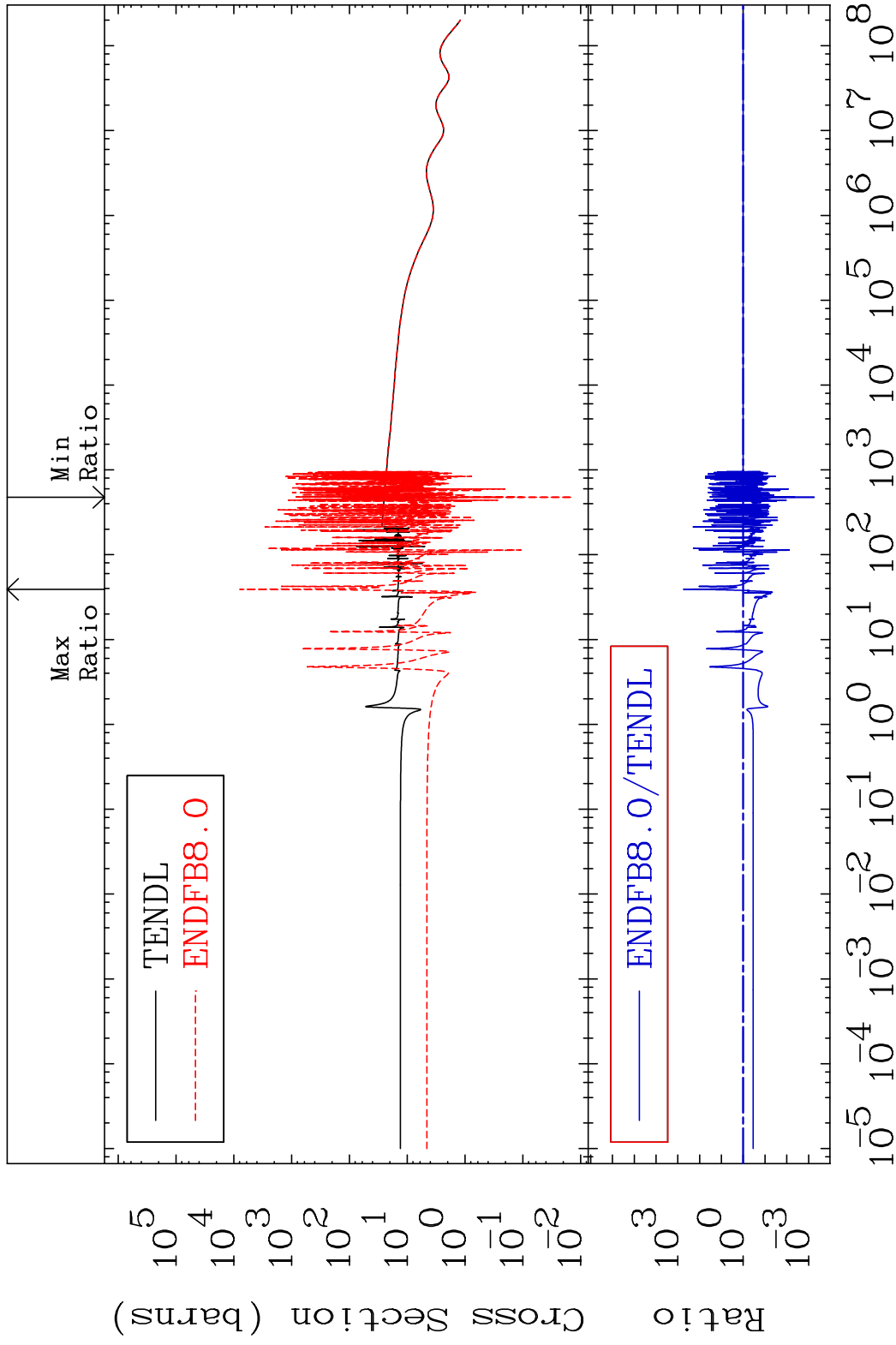
78-Pt-193

MAT 7834

Elastic

78-Pt-193

Cross Section -99.94 To 9999. %

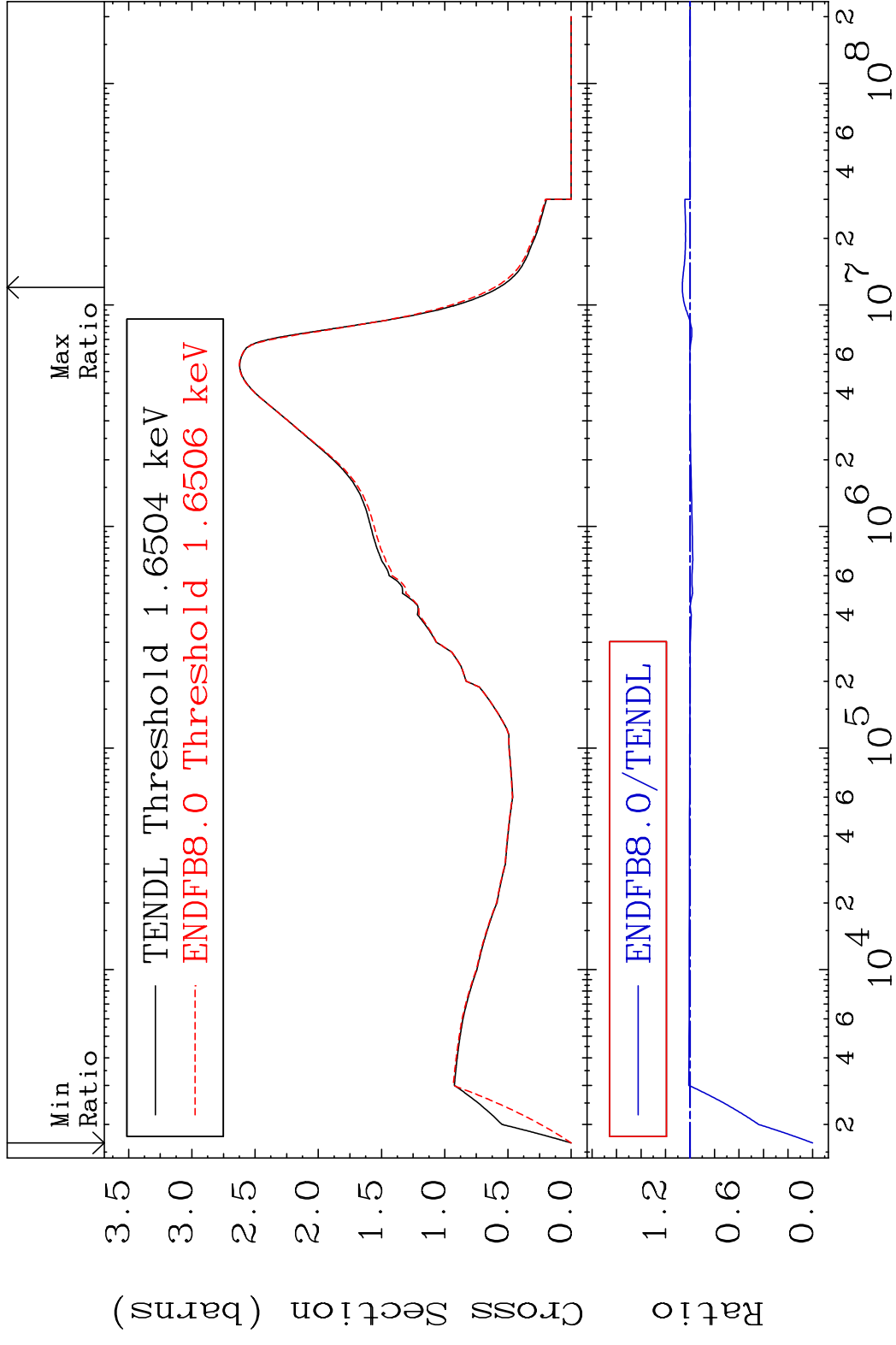


2

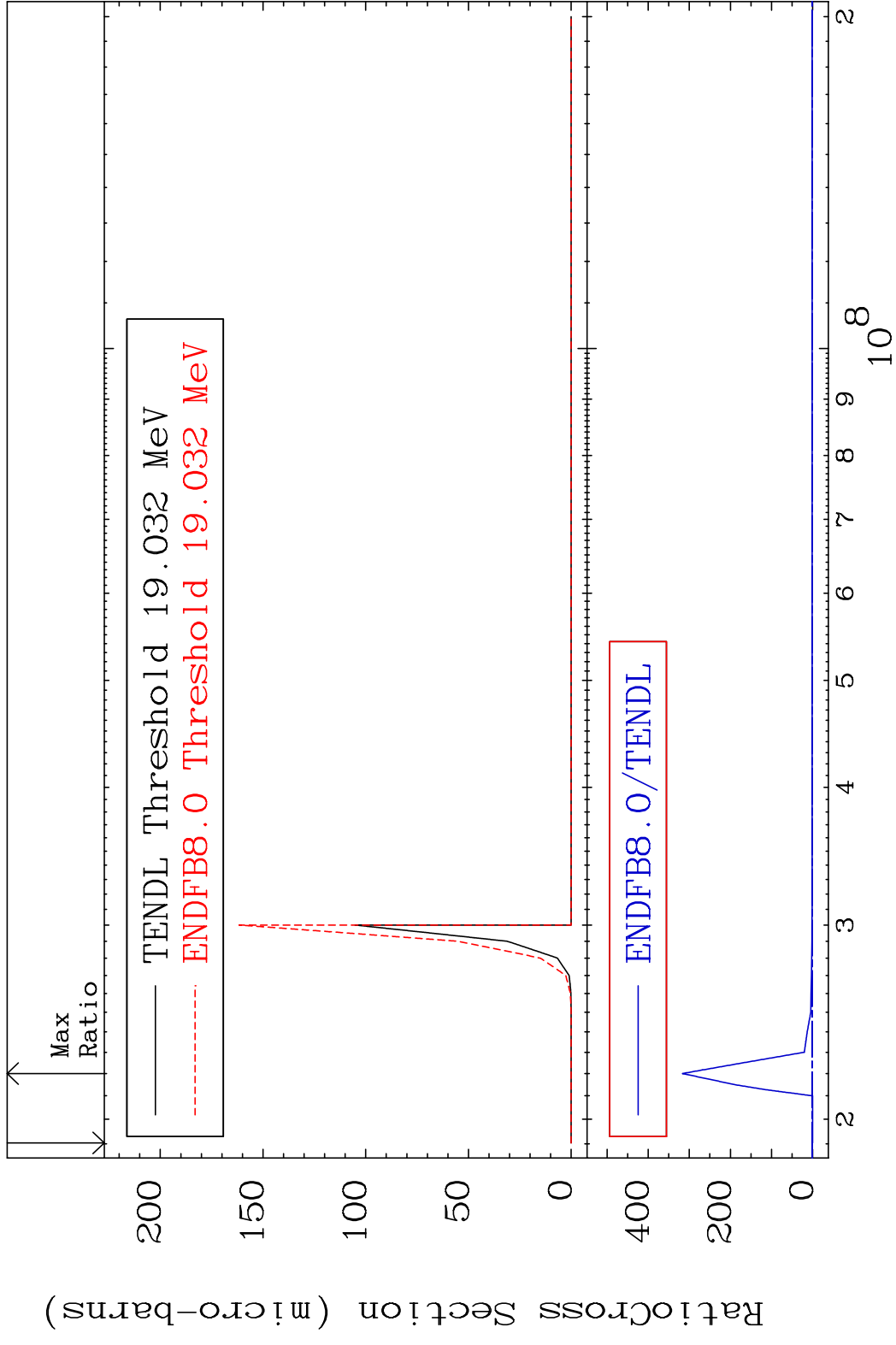
Incident Energy (eV)

78-Pt-193

MAT 7834 Inelastic Cross Section -100.0 To 6.291 % 78-Pt-193



MAT 7834 (n,2n) d 78-Pt-193
 Cross Section -100.0 To 9999. %



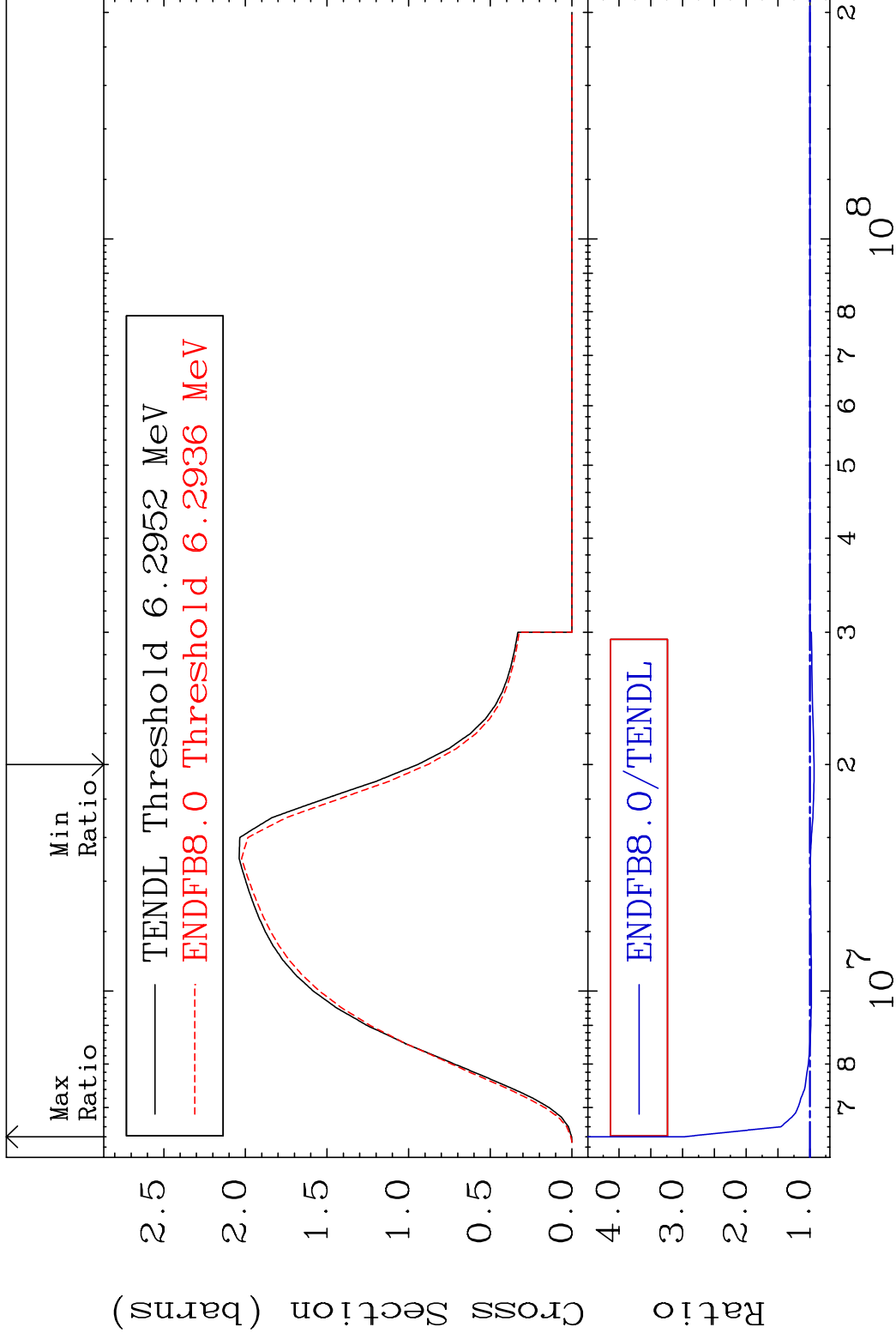
4 Incident Energy (eV) 78-Pt-193

MAT 7834

(n,2n)

78-Pt-193

Cross Section -6.566 To 198.7 %



5

Incident Energy (eV)

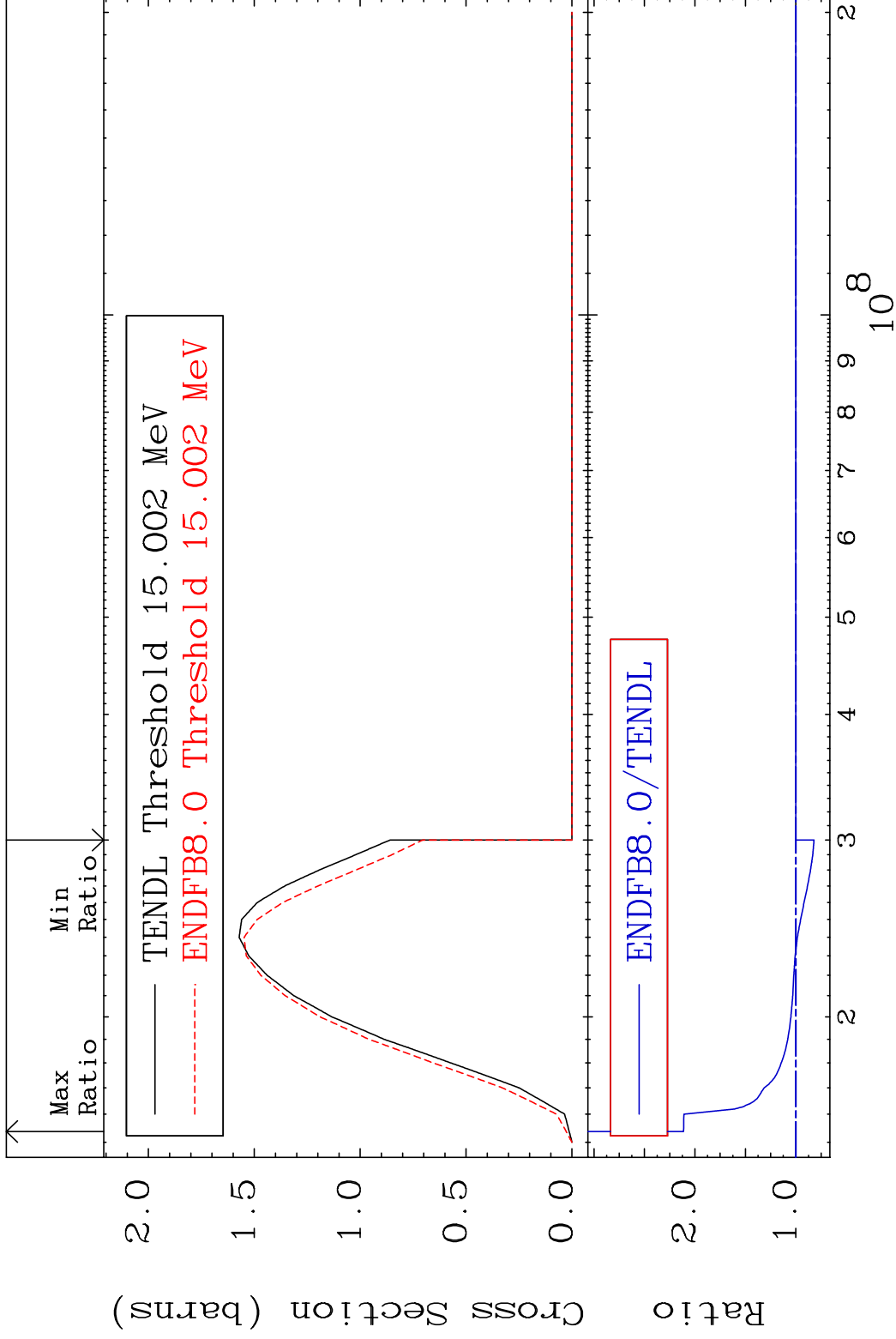
78-Pt-193

MAT 7834

(n,3n)

78-Pt-193

Cross Section -17.97 To 111.4 %

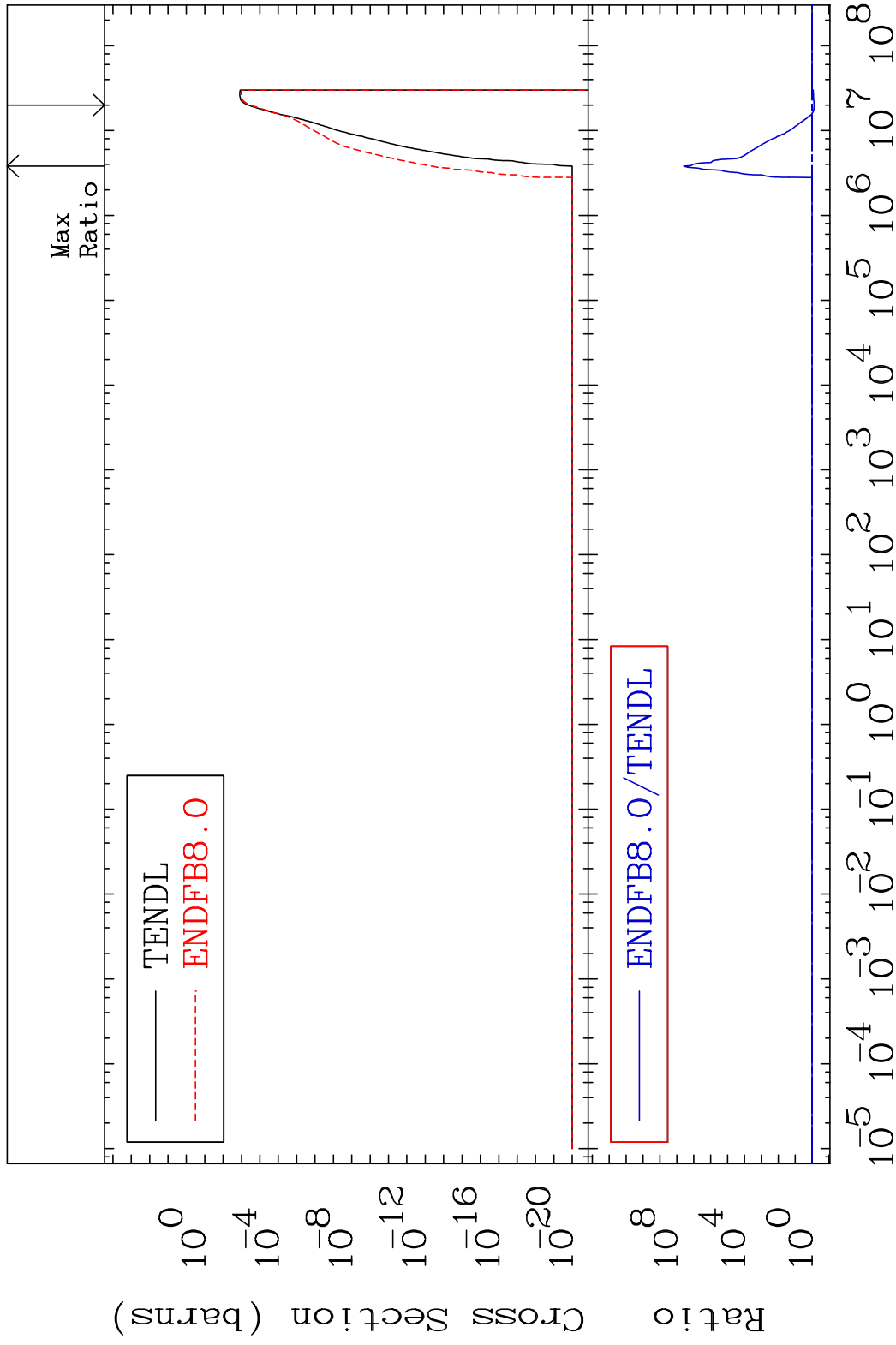


MAT 7834

(n, n') α

78-Pt-193

Cross Section -23.95 To 9999. %



7

Incident Energy (eV)

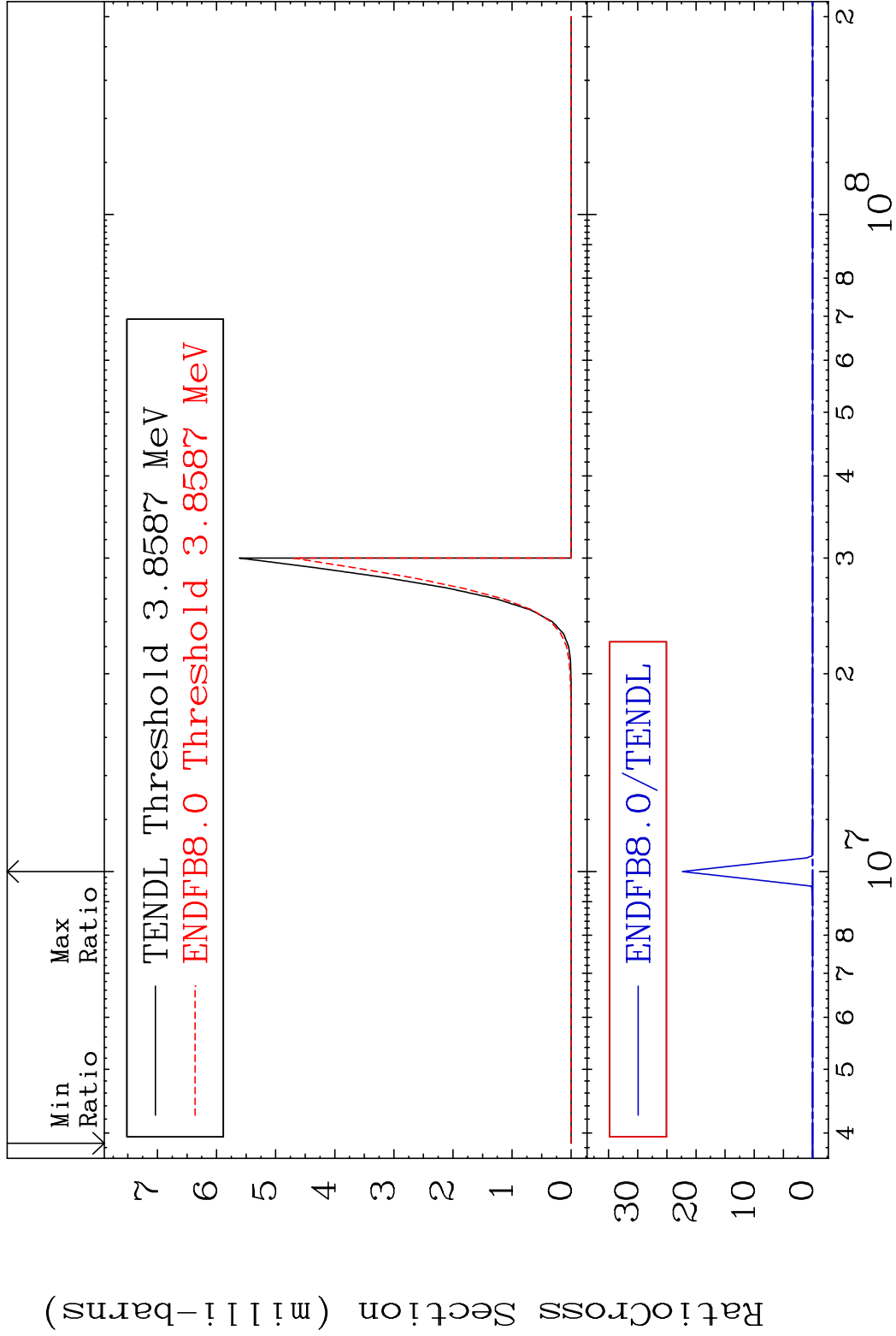
78-Pt-193

MAT 7834

(n,2n) α

78-Pt-193

Cross Section -100.0 To 9999. %

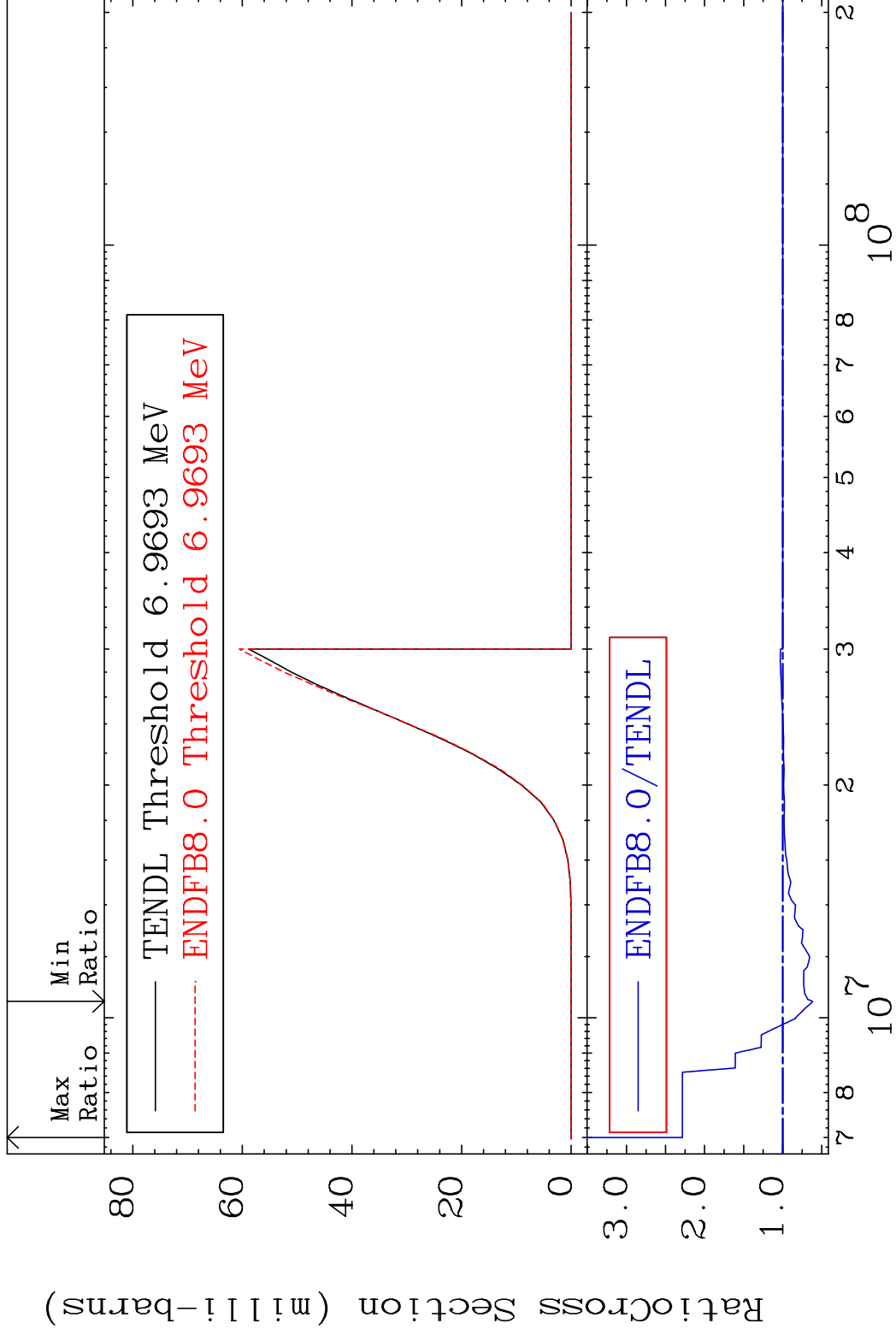


MAT 7834

(n, n') p

78-Pt-193

Cross Section -38.29 To 128.5 %

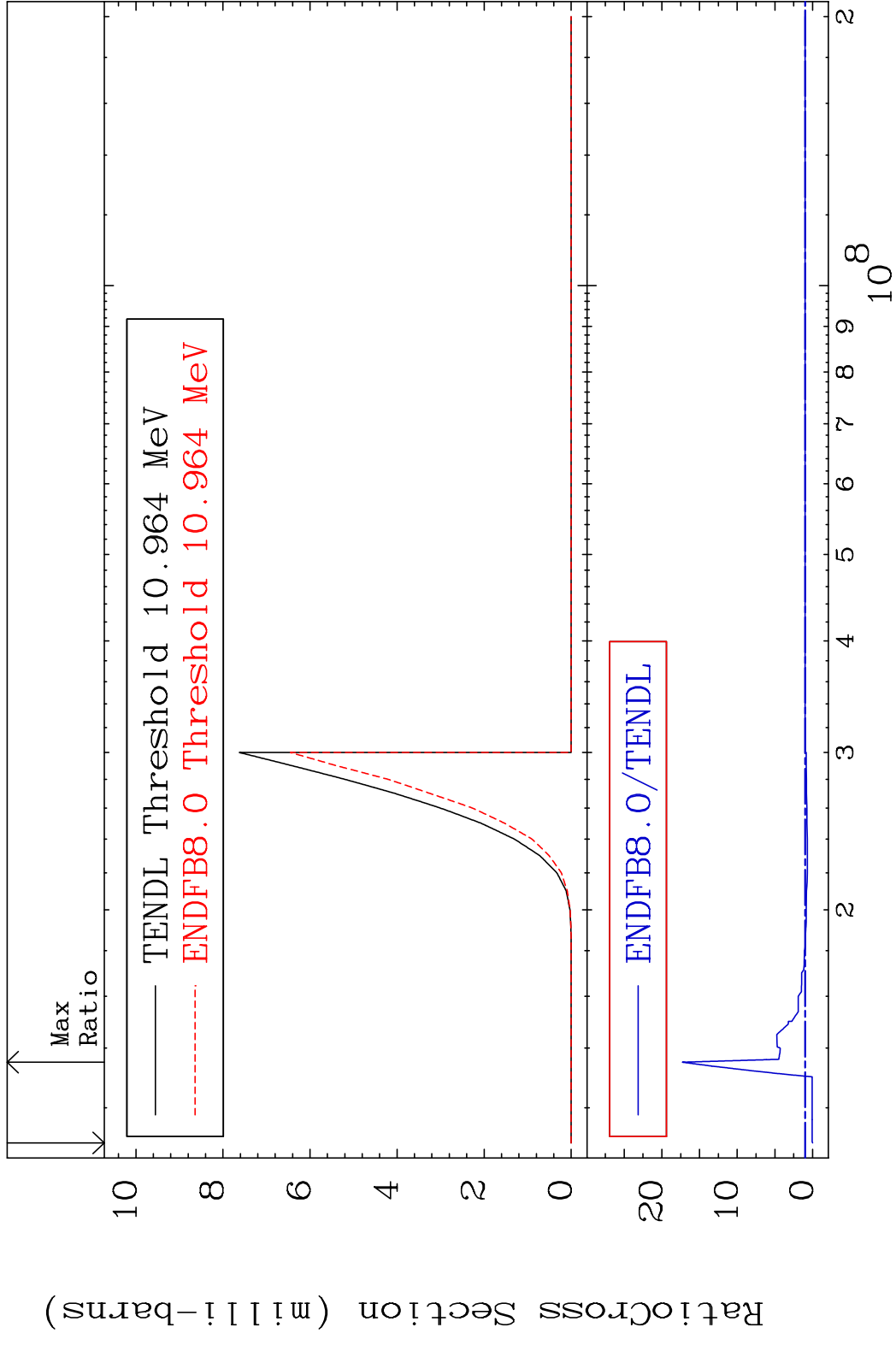


10

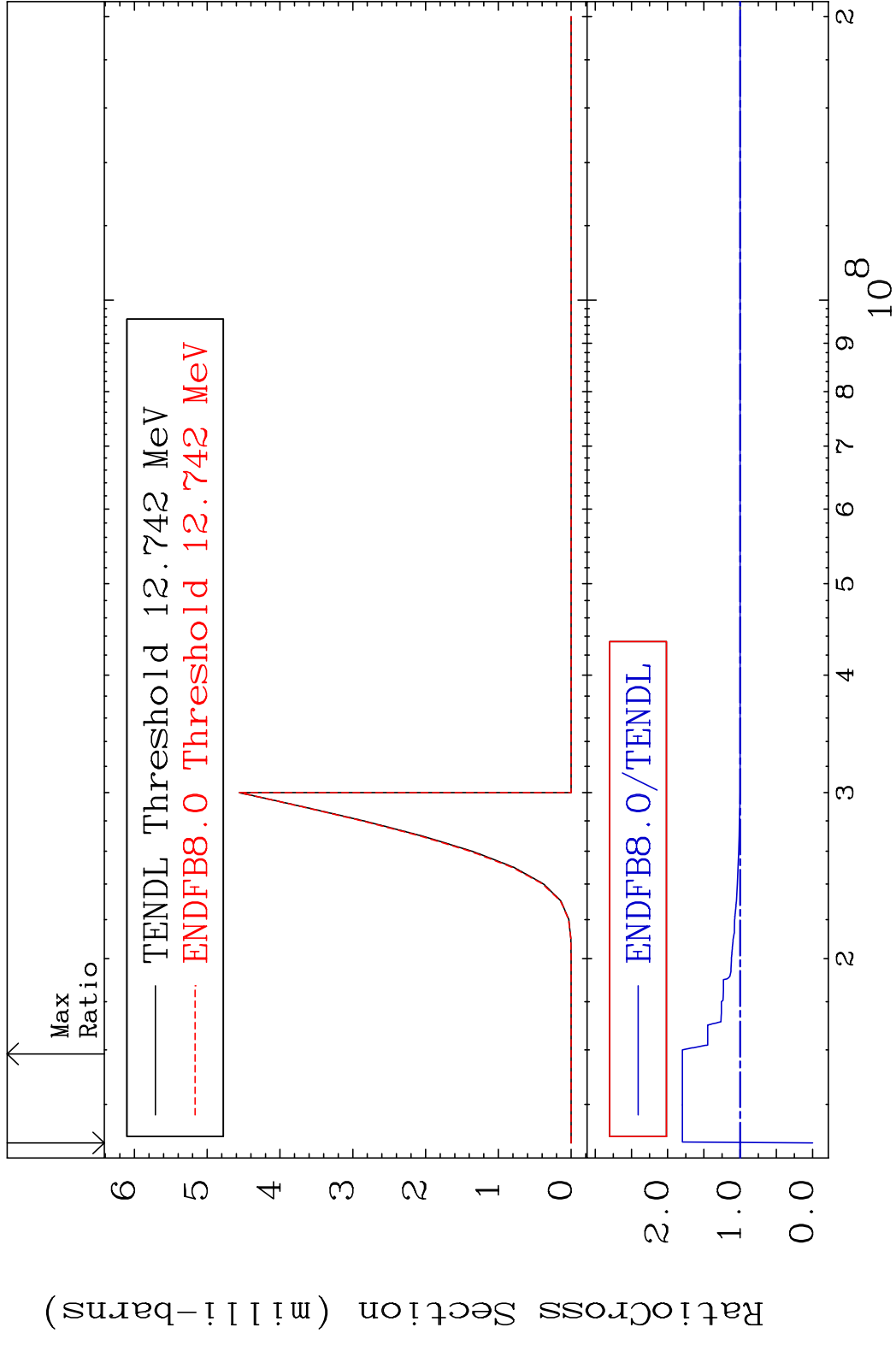
Incident Energy (eV)

78-Pt-193

MAT 7834 (n, n') d 78-Pt-193
 Cross Section -100.0 To 1628. %



MAT 7834 (n, n') t 78-Pt-193
 Cross Section -100.0 To 79.74 %

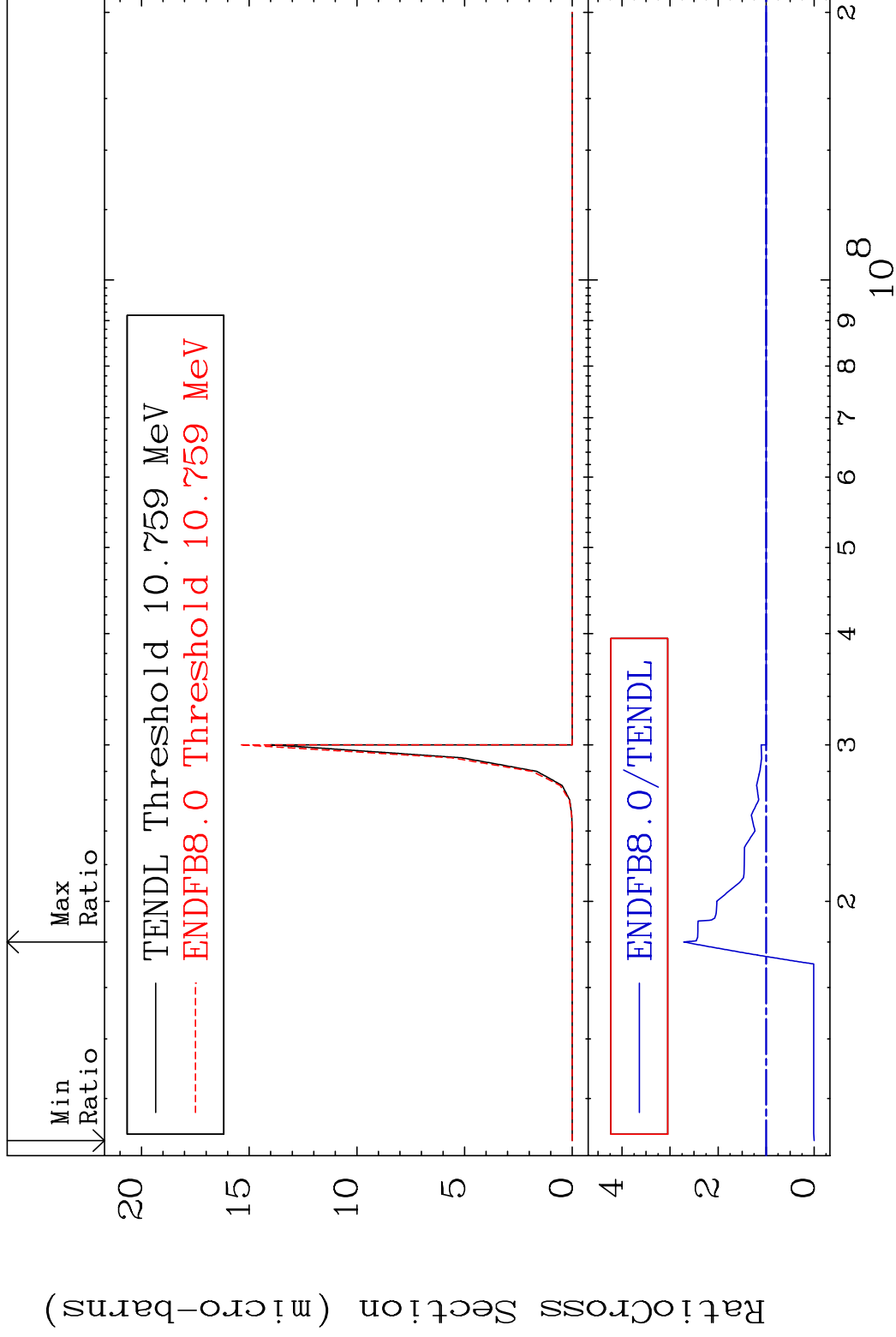


MAT 7834

(n,n') He-3

78-Pt-193

Cross Section -100.0 To 171.7 %

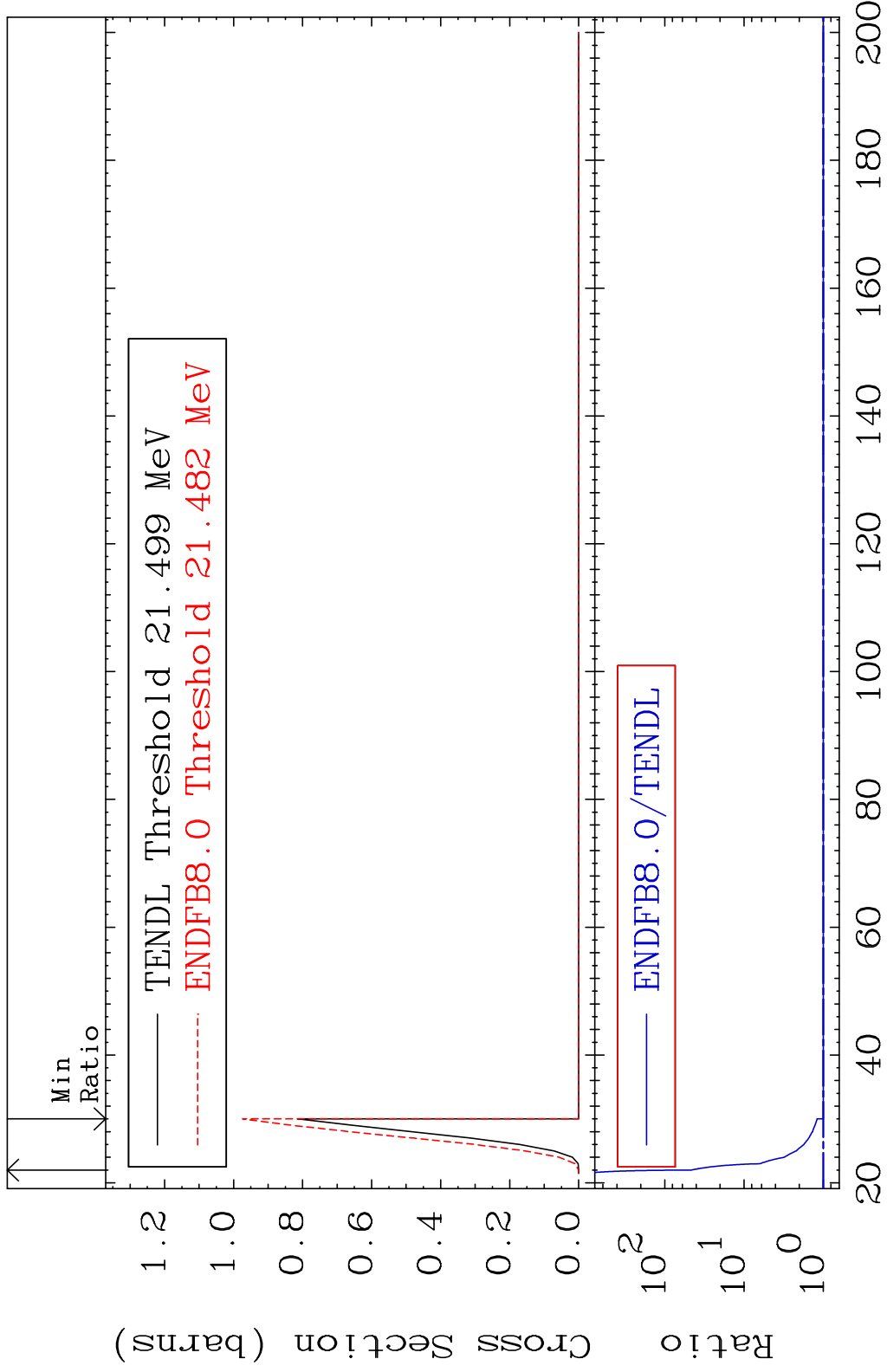


MAT 7834

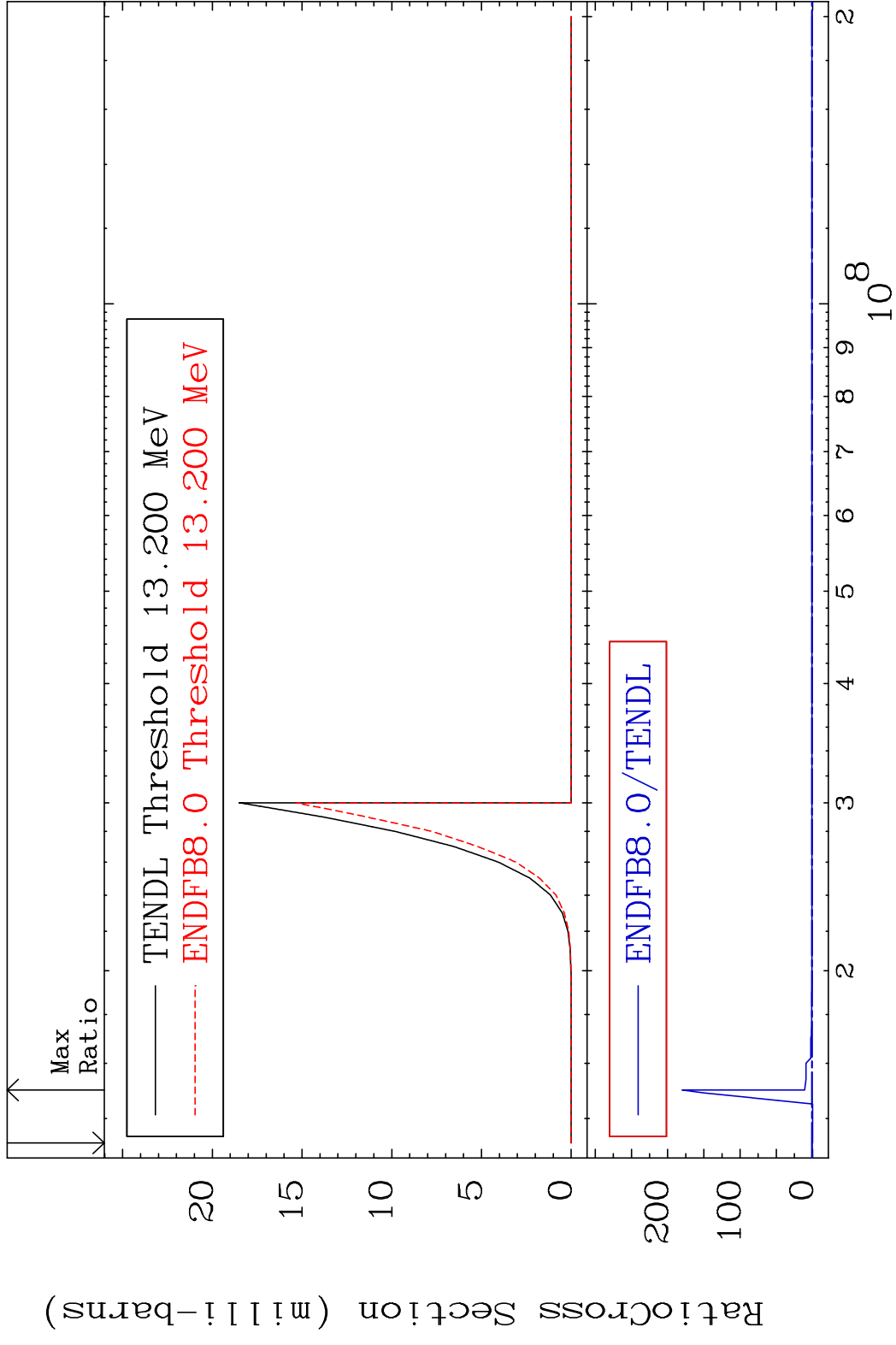
(n,4n)

78-Pt-193

Cross Section 0.000 To 4512. %



MAT 7834 (n,2n) p 78-Pt-193
 Cross Section -100.0 To 9999. %

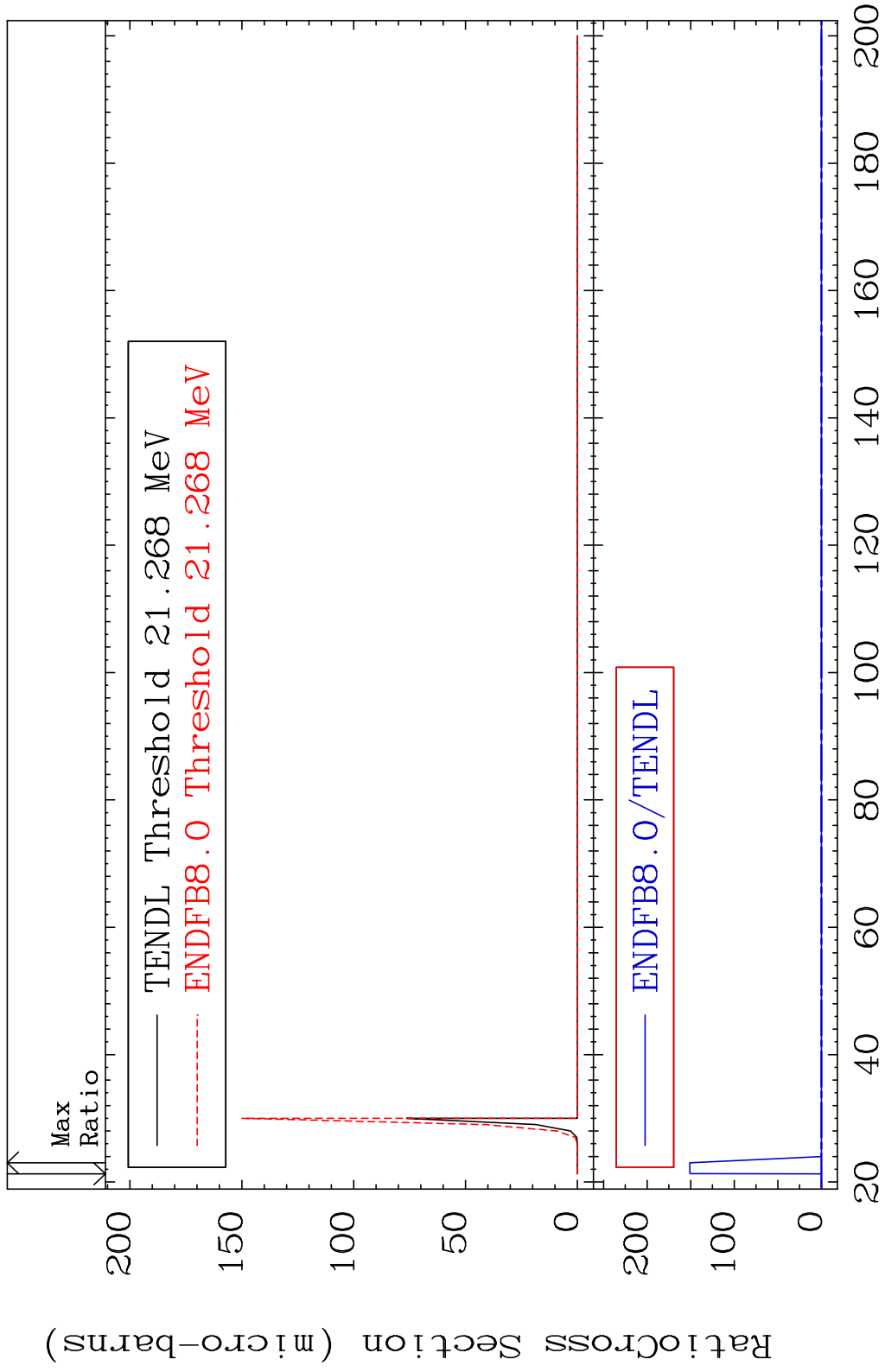


MAT 7834

(n,3n) p

78-Pt-193

Cross Section -100.0 To 9999. %



16

Incident Energy (MeV)

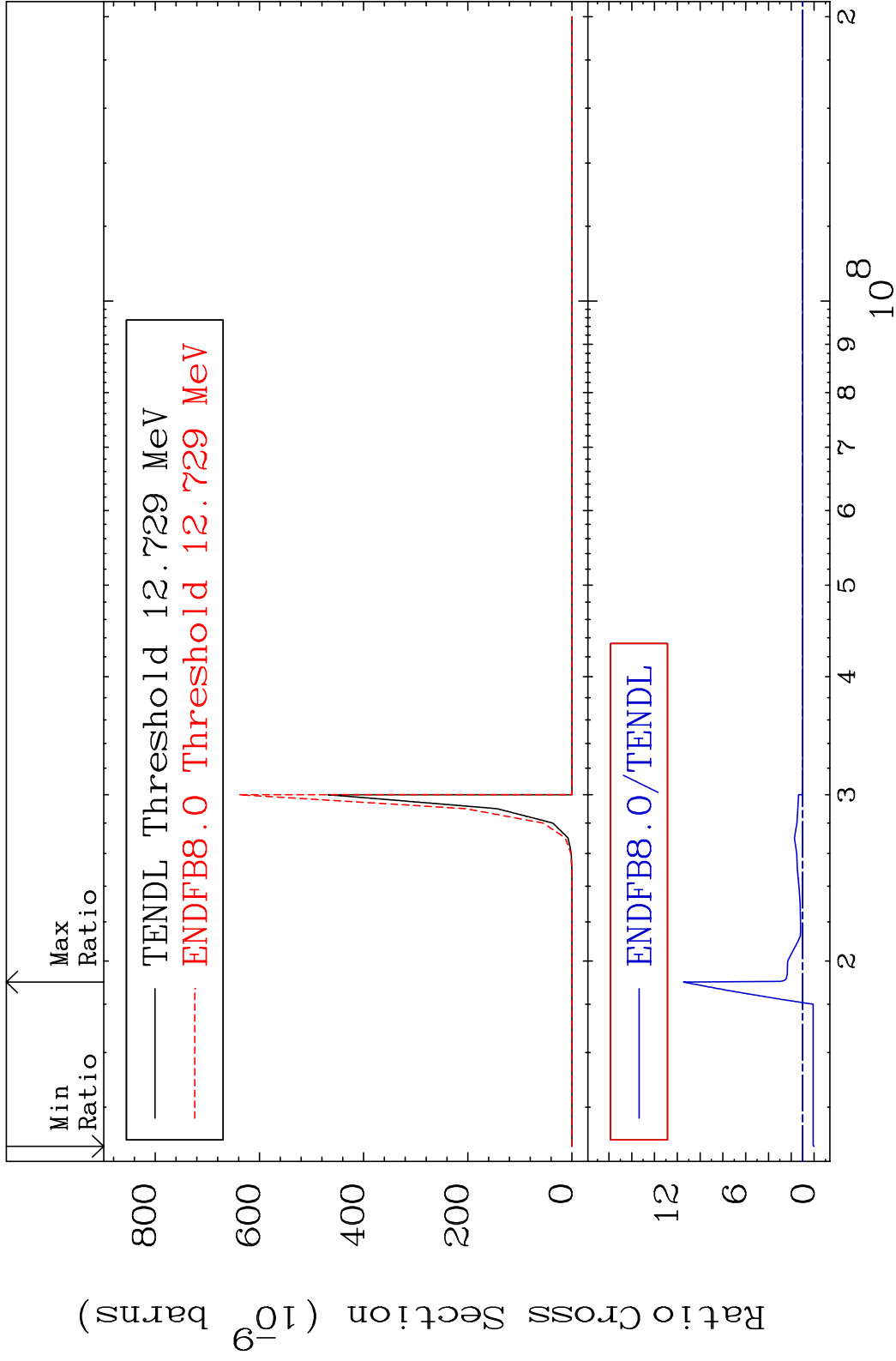
78-Pt-193

MAT 7834

(n,2n) p

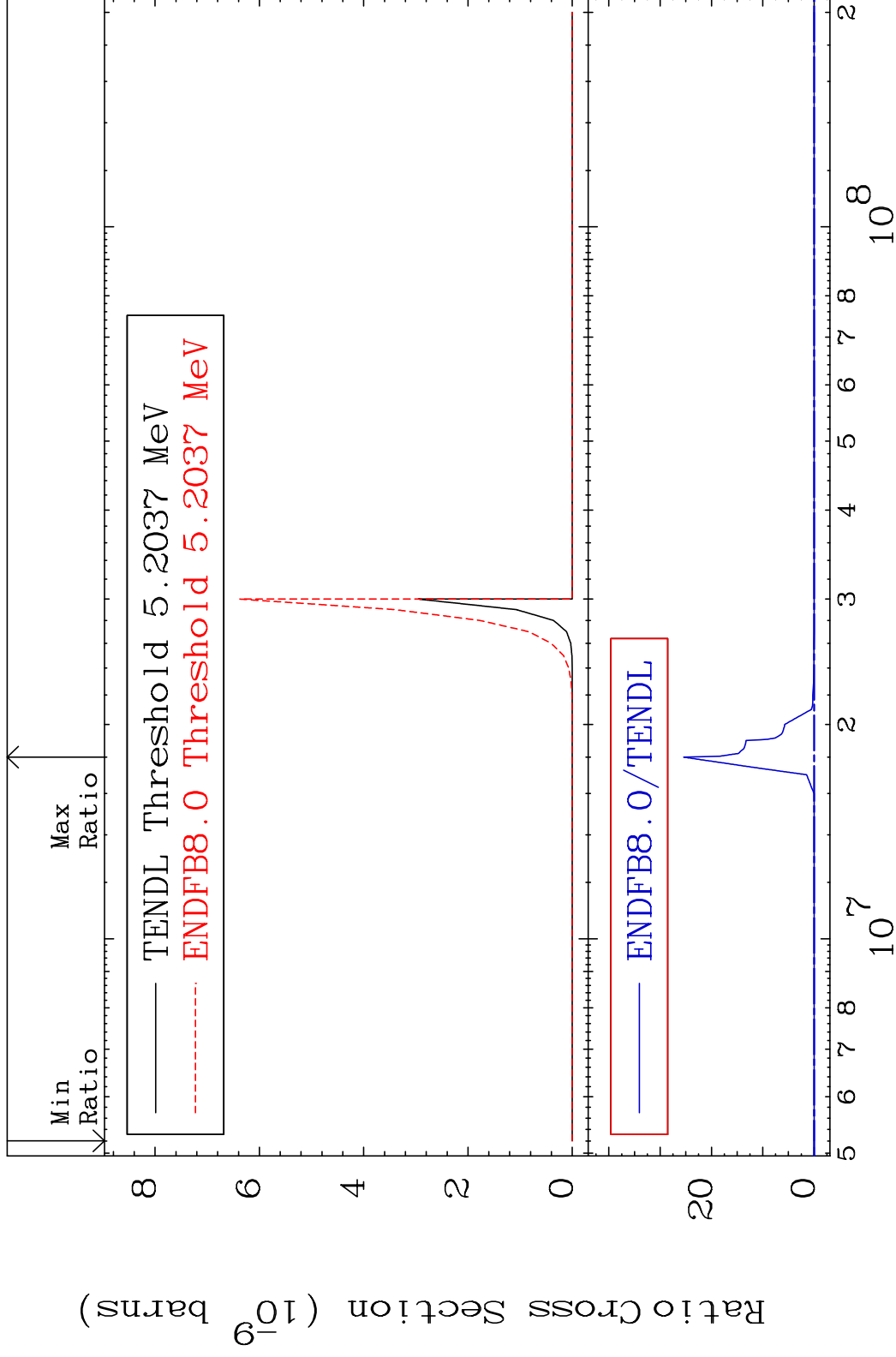
78-Pt-193

Cross Section -100.0 To 1046. %



MAT 7834

(n,n') p α 78-Pt-193
Cross Section -100.0 To 9999. %



18

Incident Energy (eV)

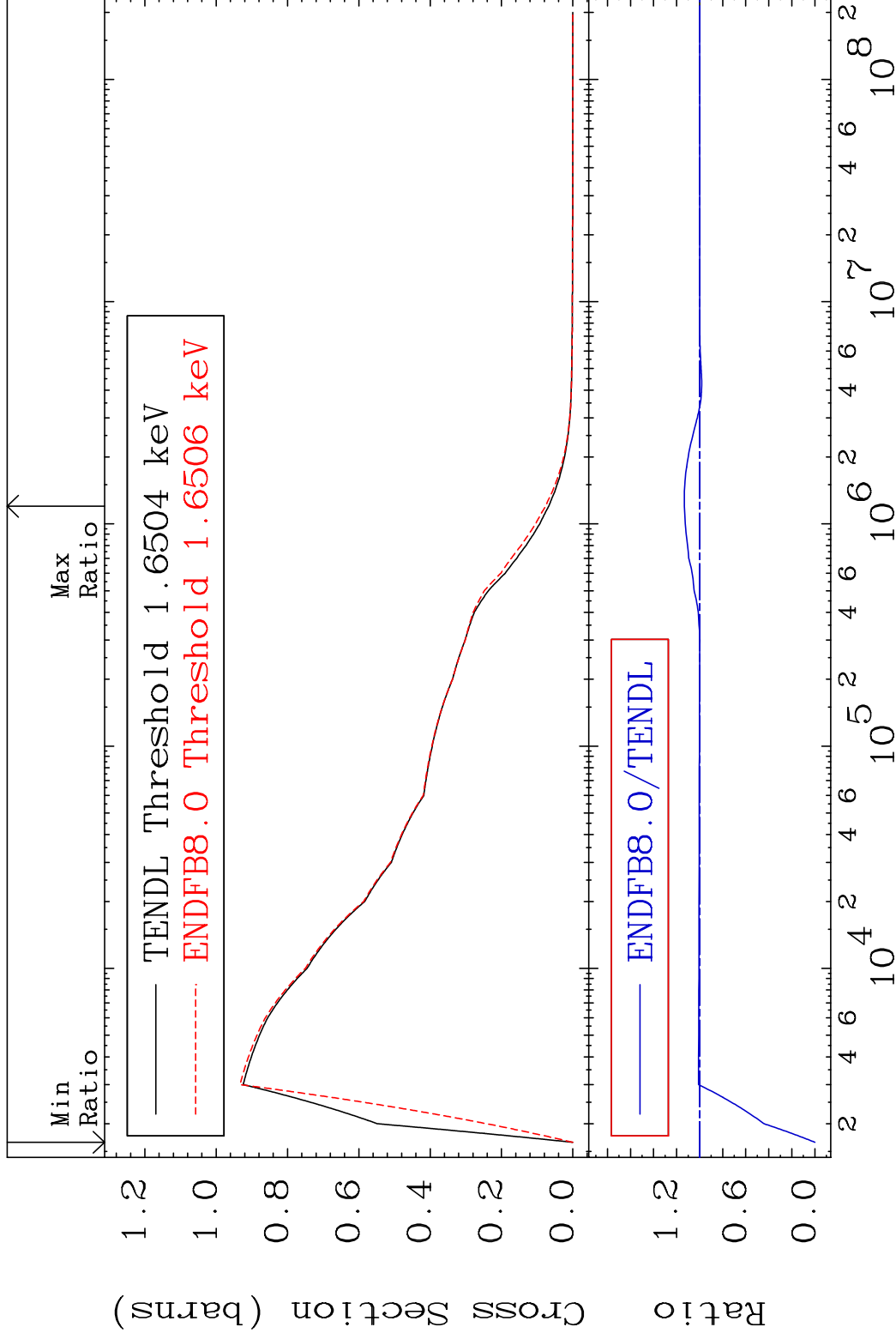
78-Pt-193

MAT 7834

MT= 51 (n, n')

Level 78-Pt-193

Cross Section -100.0 To 13.31 %

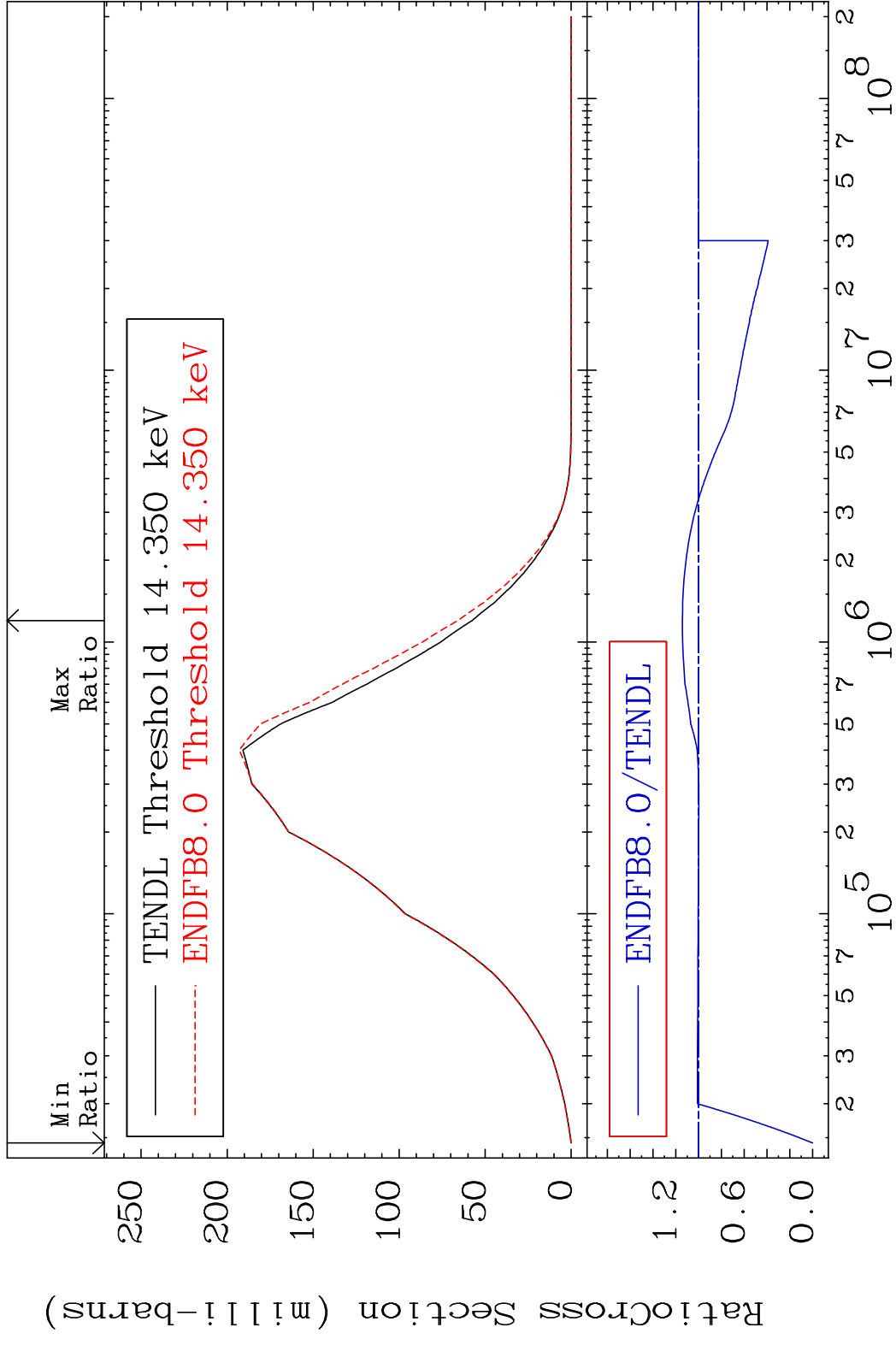


19

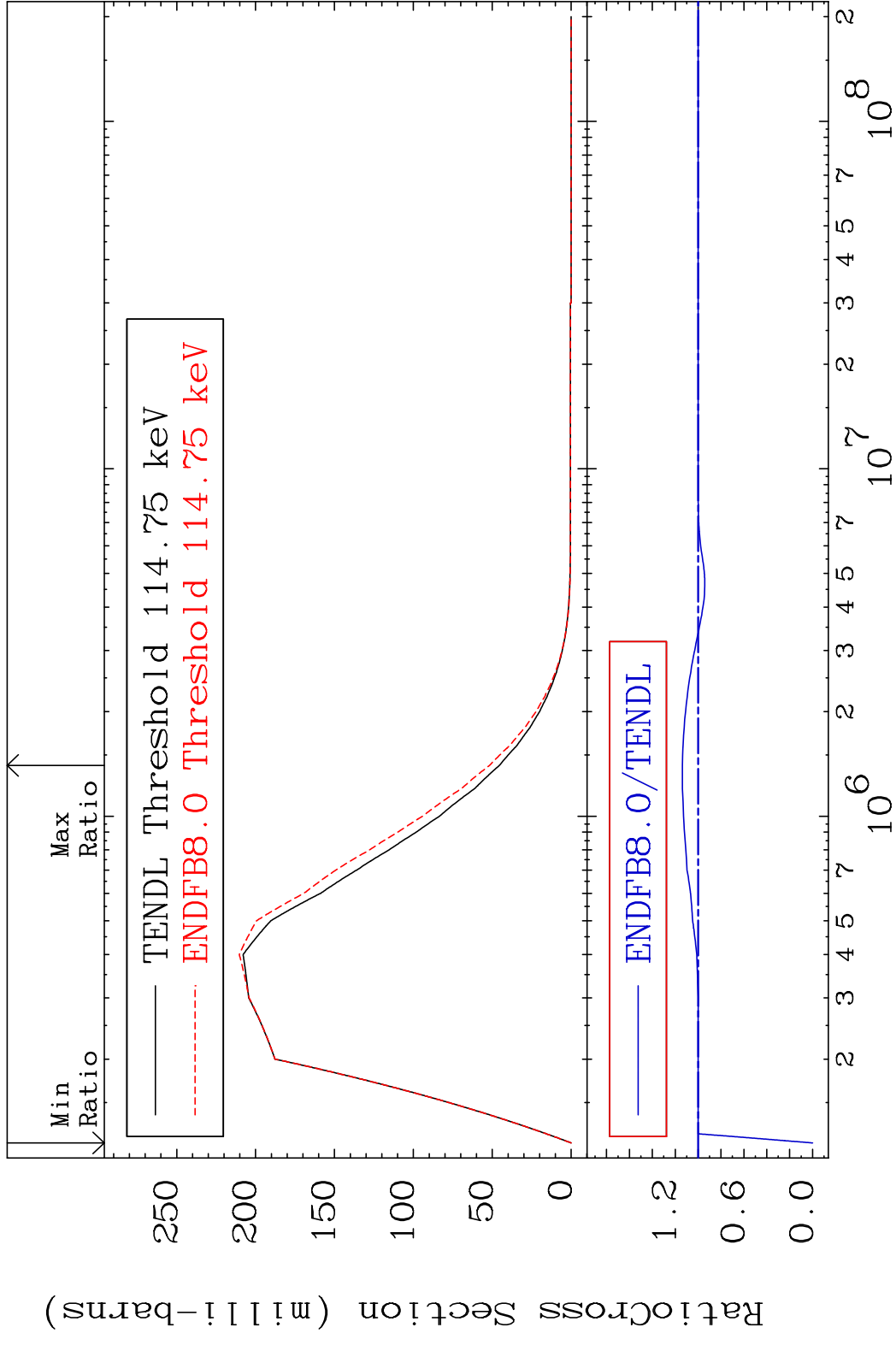
Incident Energy (eV)

78-Pt-193

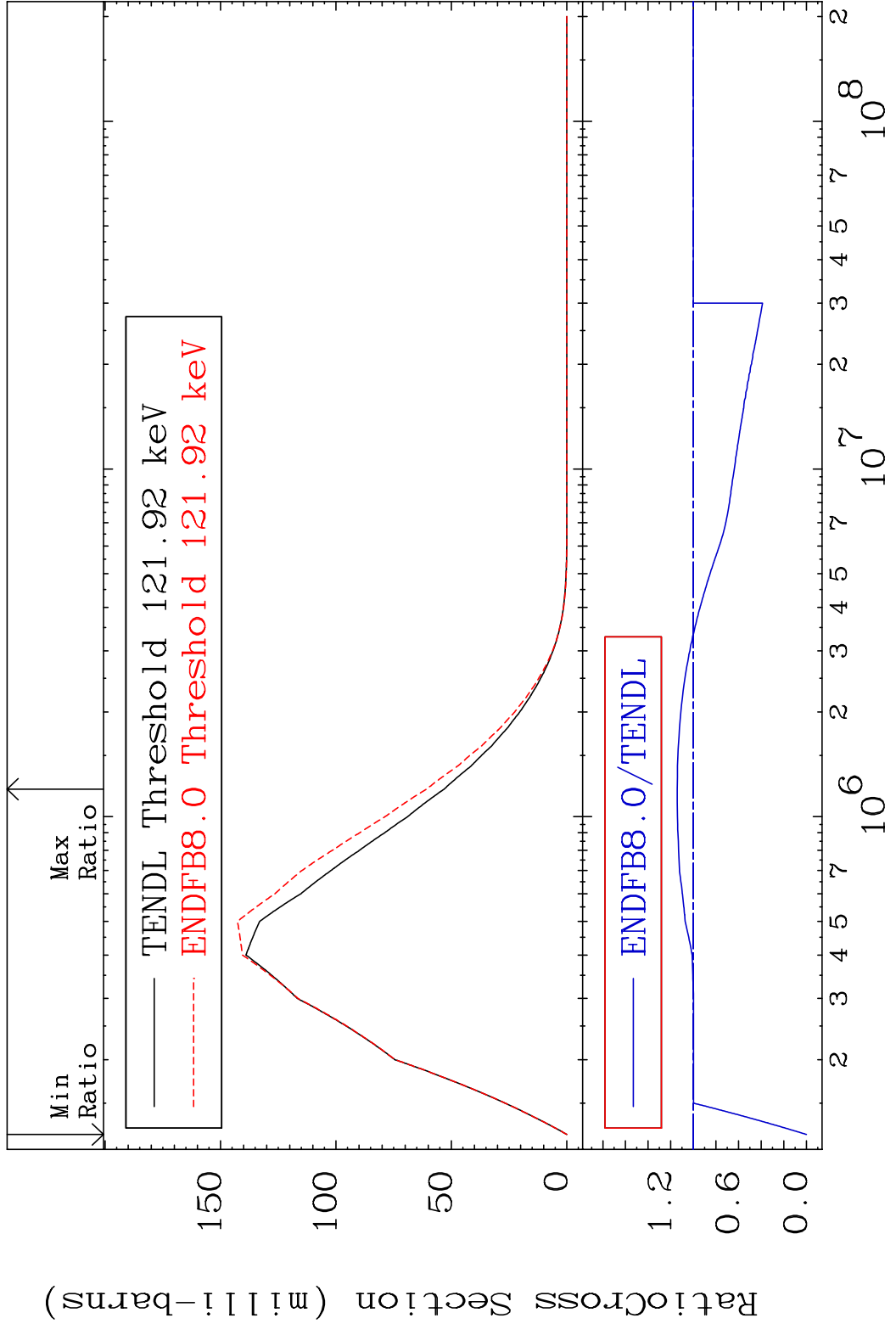
MAT 7834 MT= 52 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 14.21 %



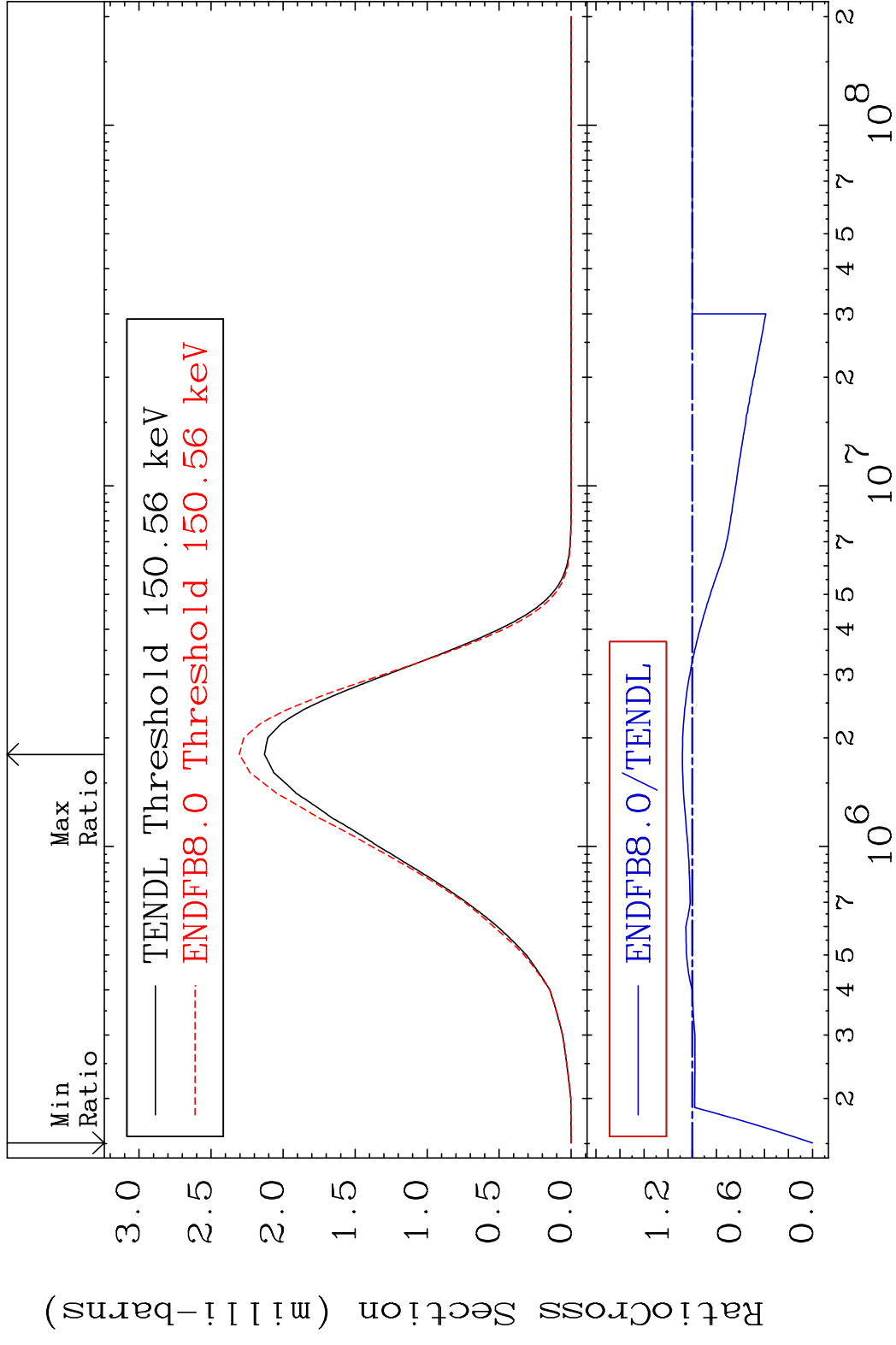
MAT 7834 MT= 53 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 13.77 %



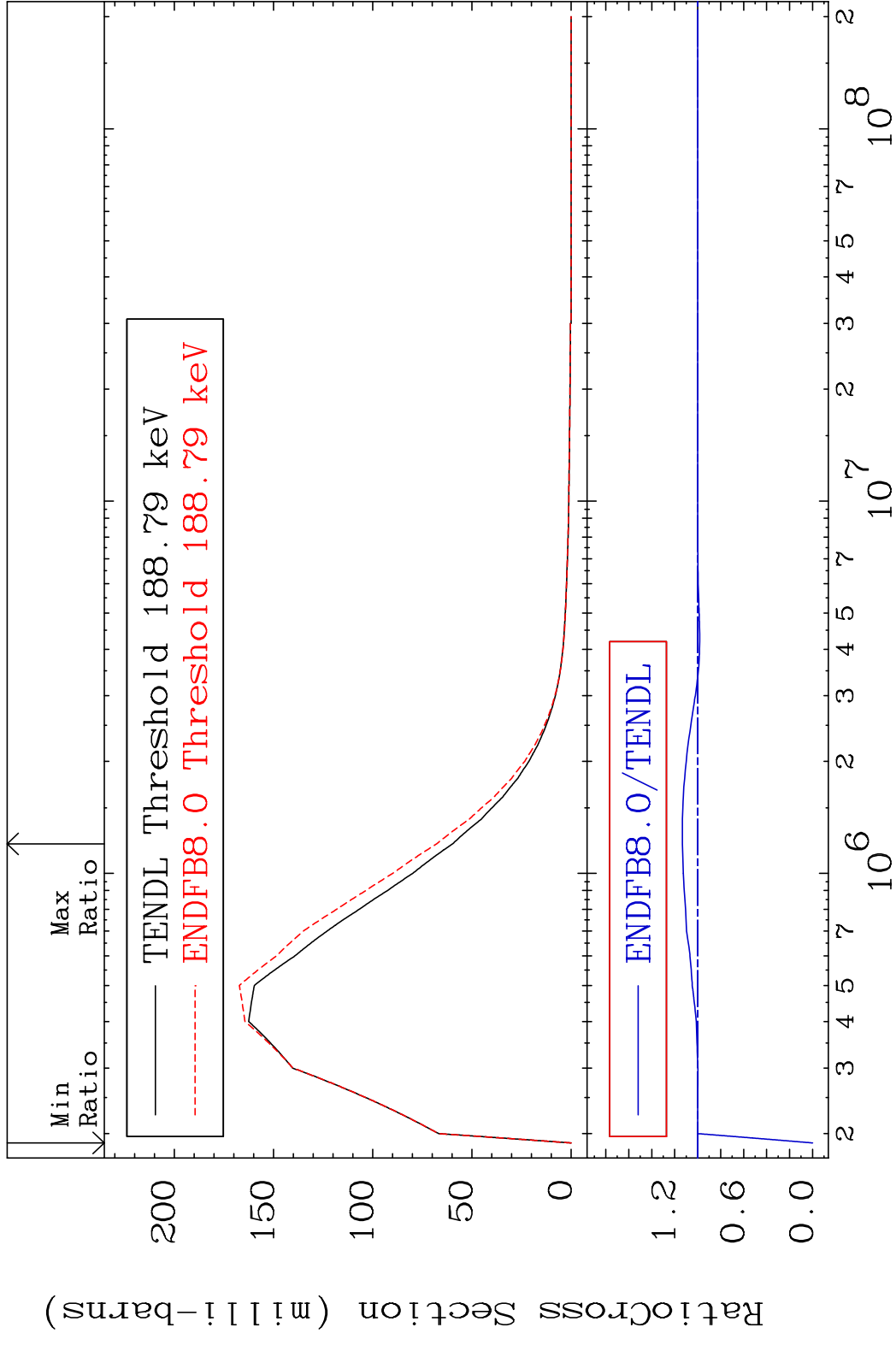
MAT 7834 MT= 54 (n,n') Level 78-Pt-193
 Cross Section -100.0 To 14.28 %



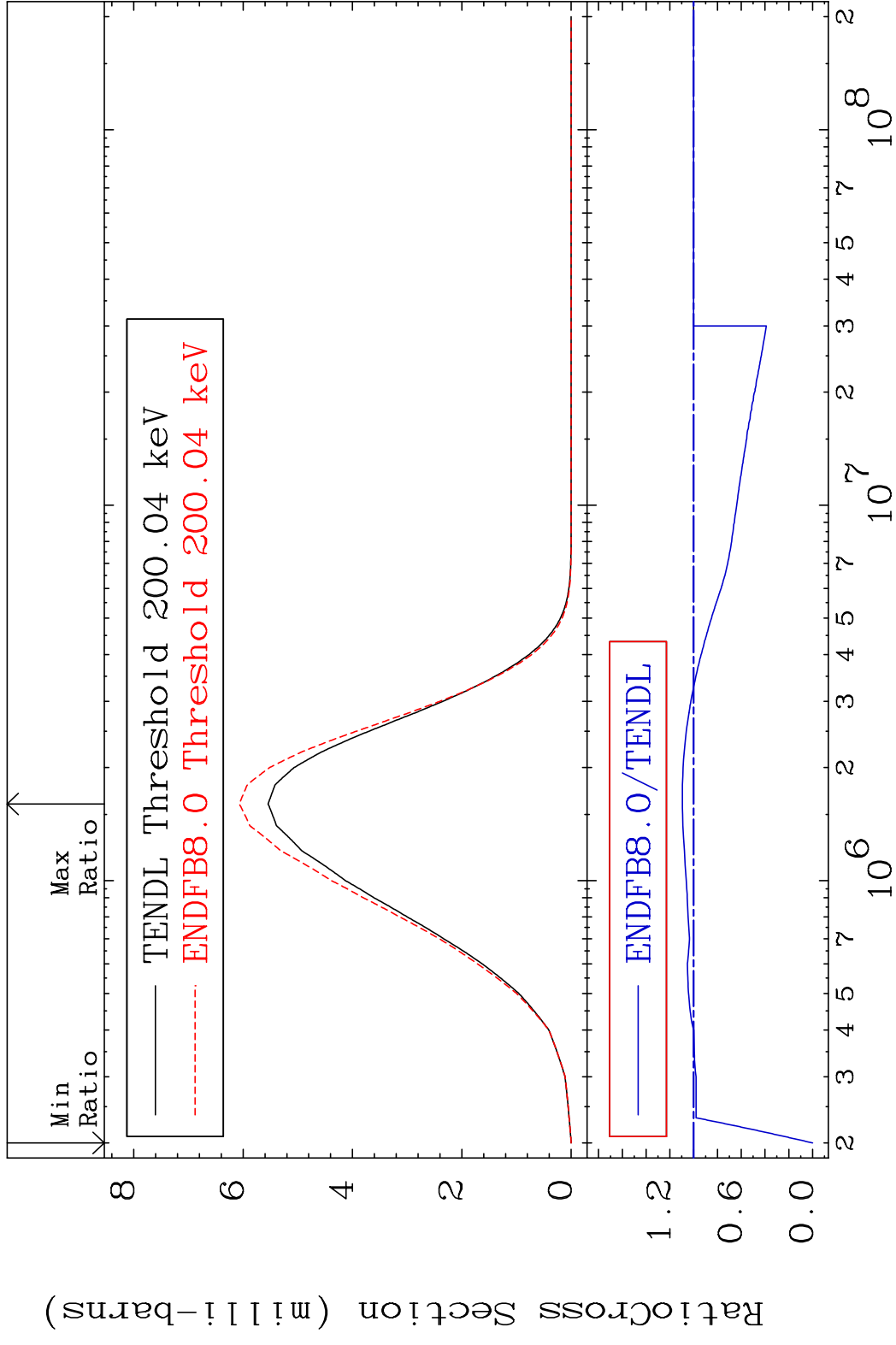
MAT 7834 MT= 55 (n,n') Level 78-Pt-193
 Cross Section -100.0 To 8.185 %



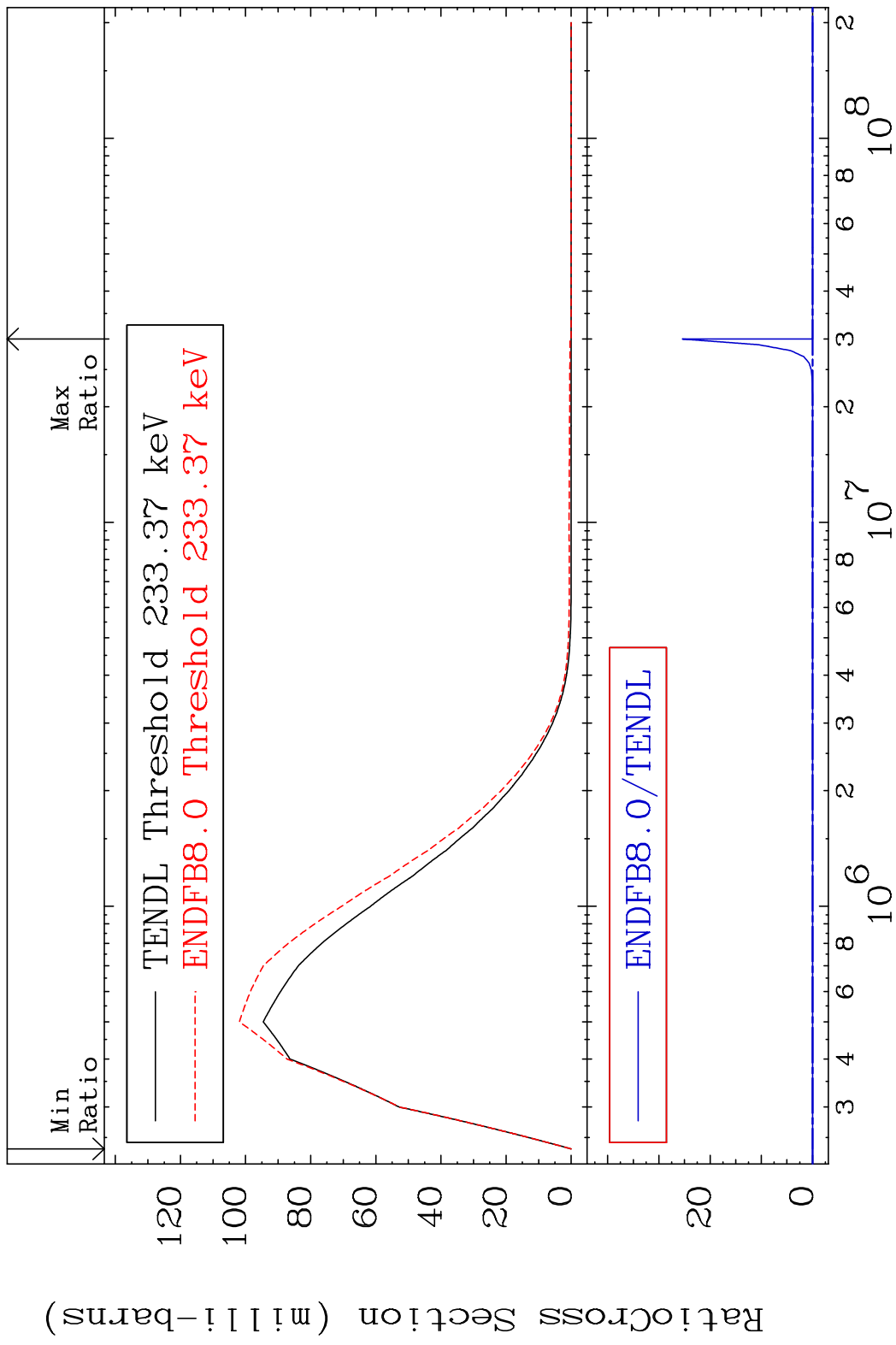
MAT 7834 MT= 56 (n,n') Level 78-Pt-193
 Cross Section -100.0 To 13.35 %



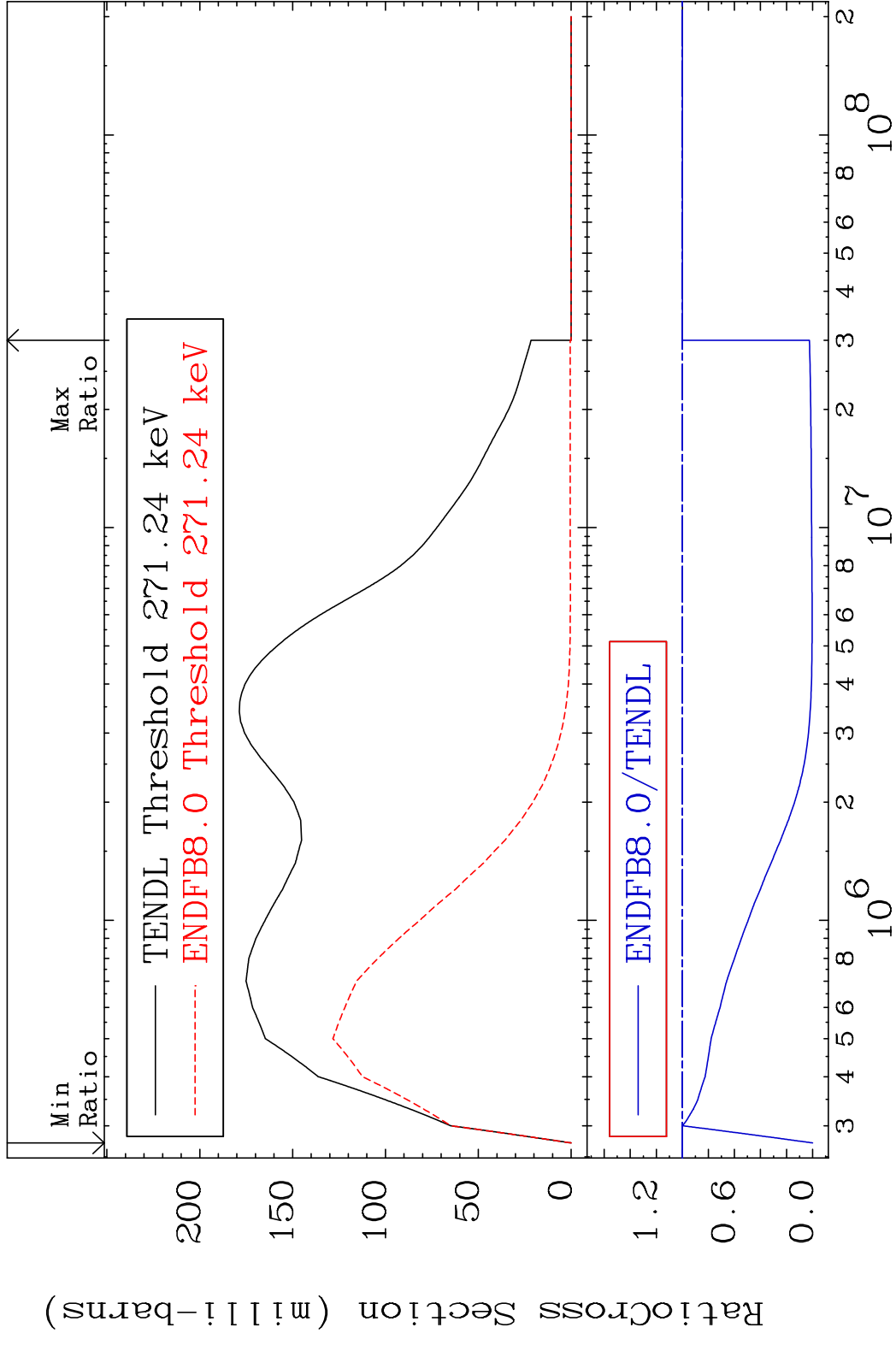
MAT 7834 MT= 57 (n,n') Level 78-Pt-193
 Cross Section -100.0 To 9.515 %



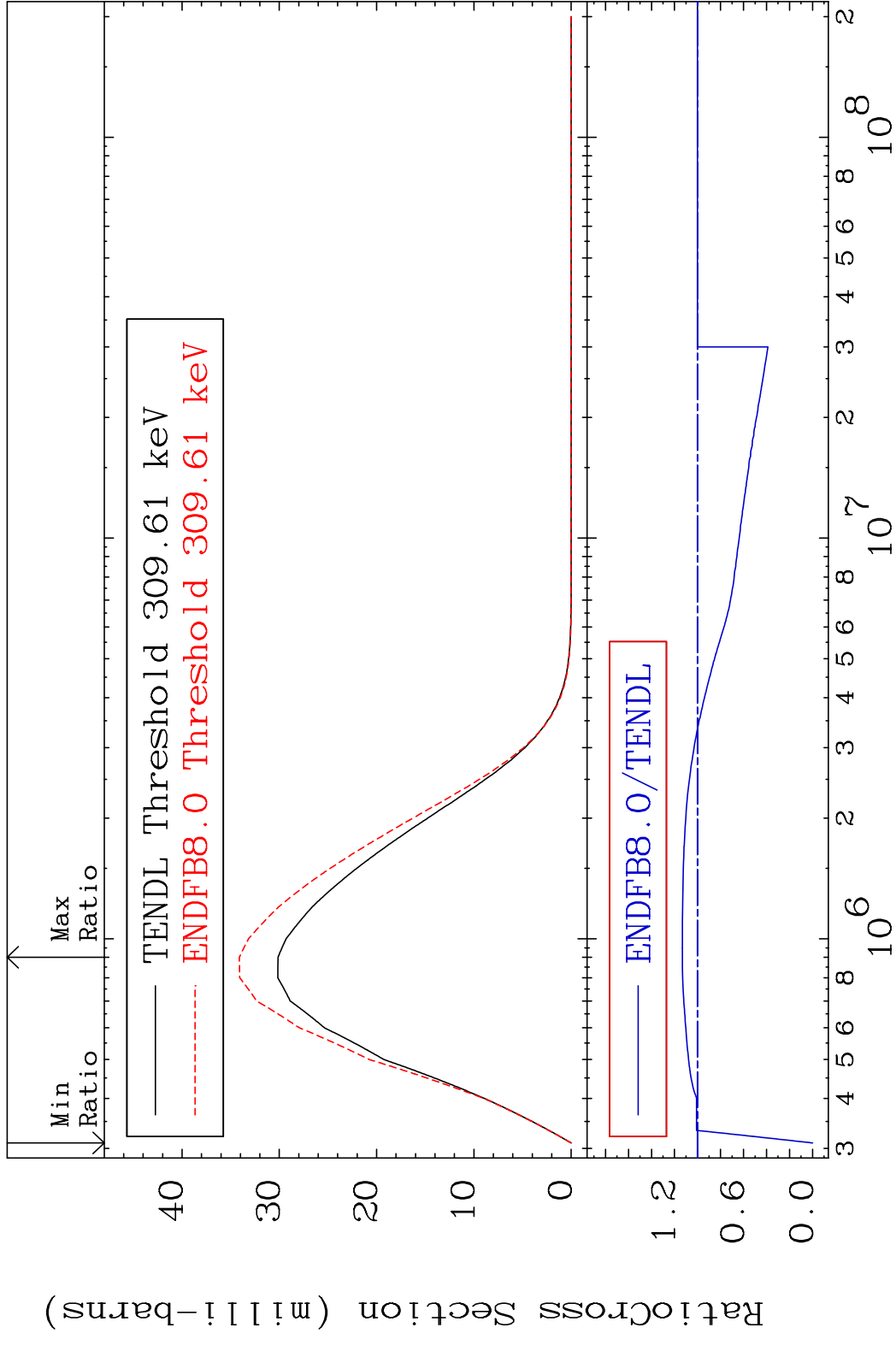
MAT 7834 MT= 58 (n,n') Level 78-Pt-193
 Cross Section -100.0 To 9999. %



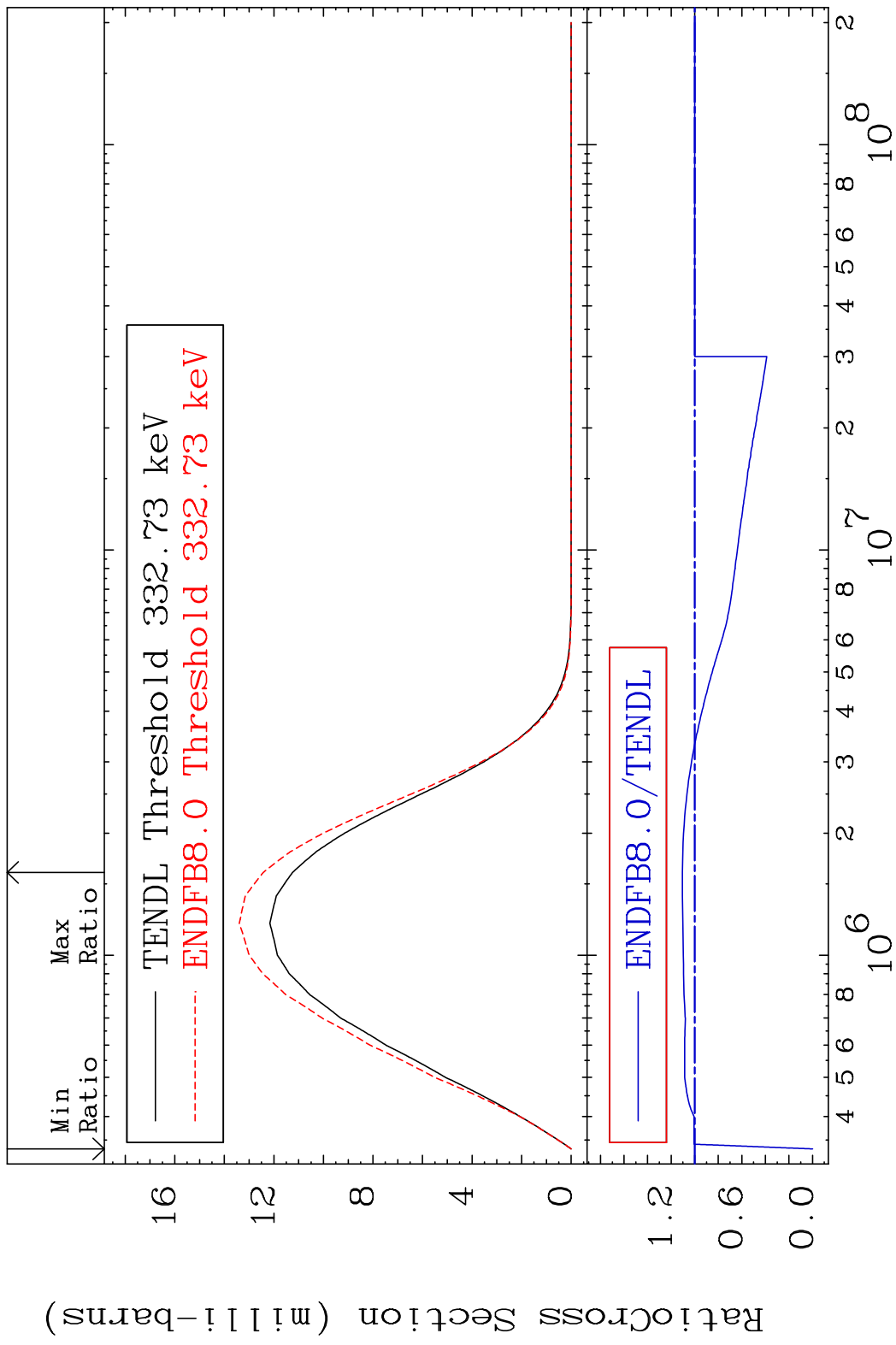
MAT 7834 MT= 59 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 0.000 %



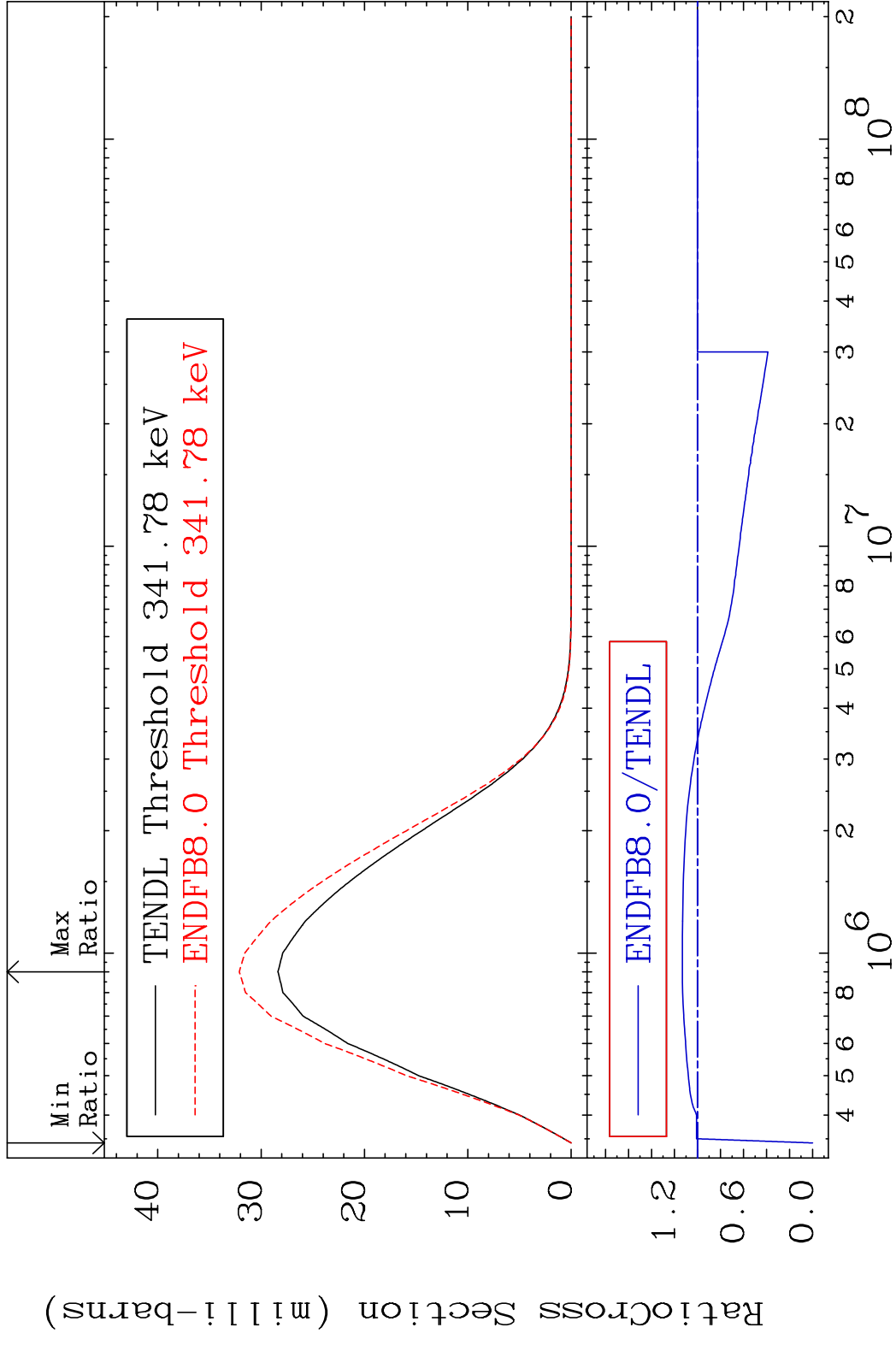
MAT 7834 MT= 60 (n,n') Level 78-Pt-193
 Cross Section -100.0 To 13.19 %



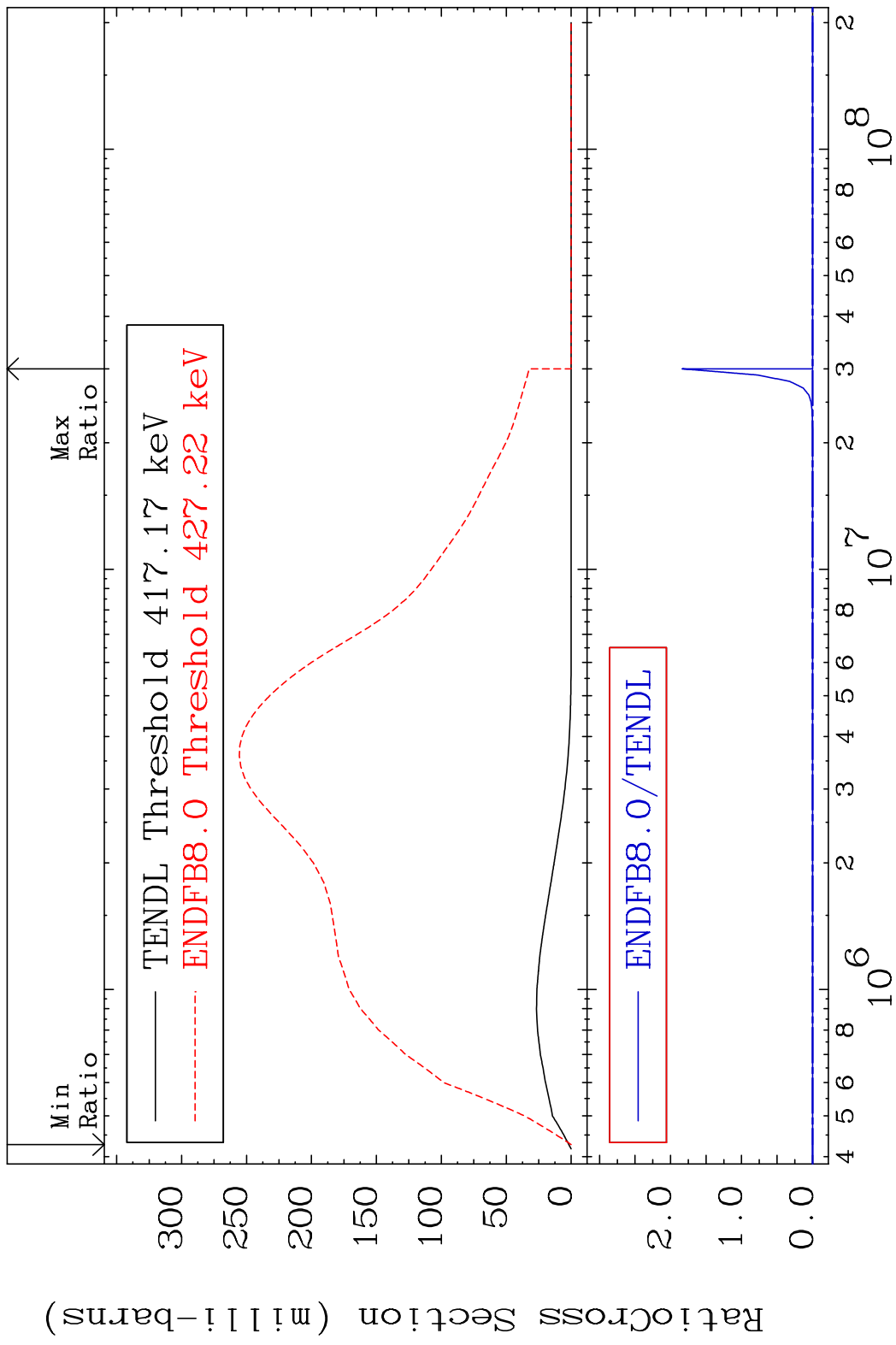
MAT 7834 MT= 61 (n,n') Level 78-Pt-193
 Cross Section -100.0 To 10.51 %



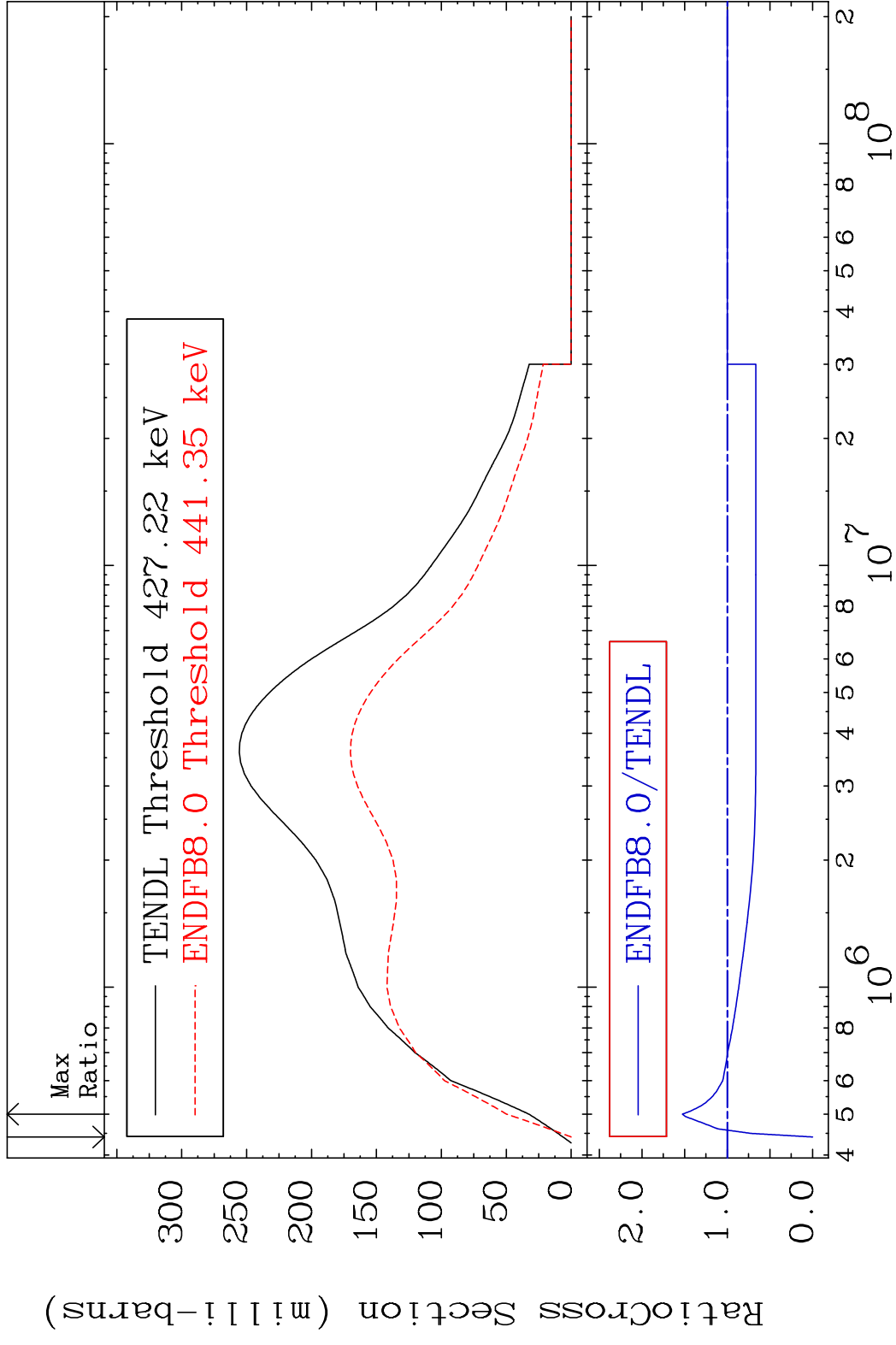
MAT 7834 MT= 62 (n,n') Level 78-Pt-193
 Cross Section -100.0 To 13.18 %



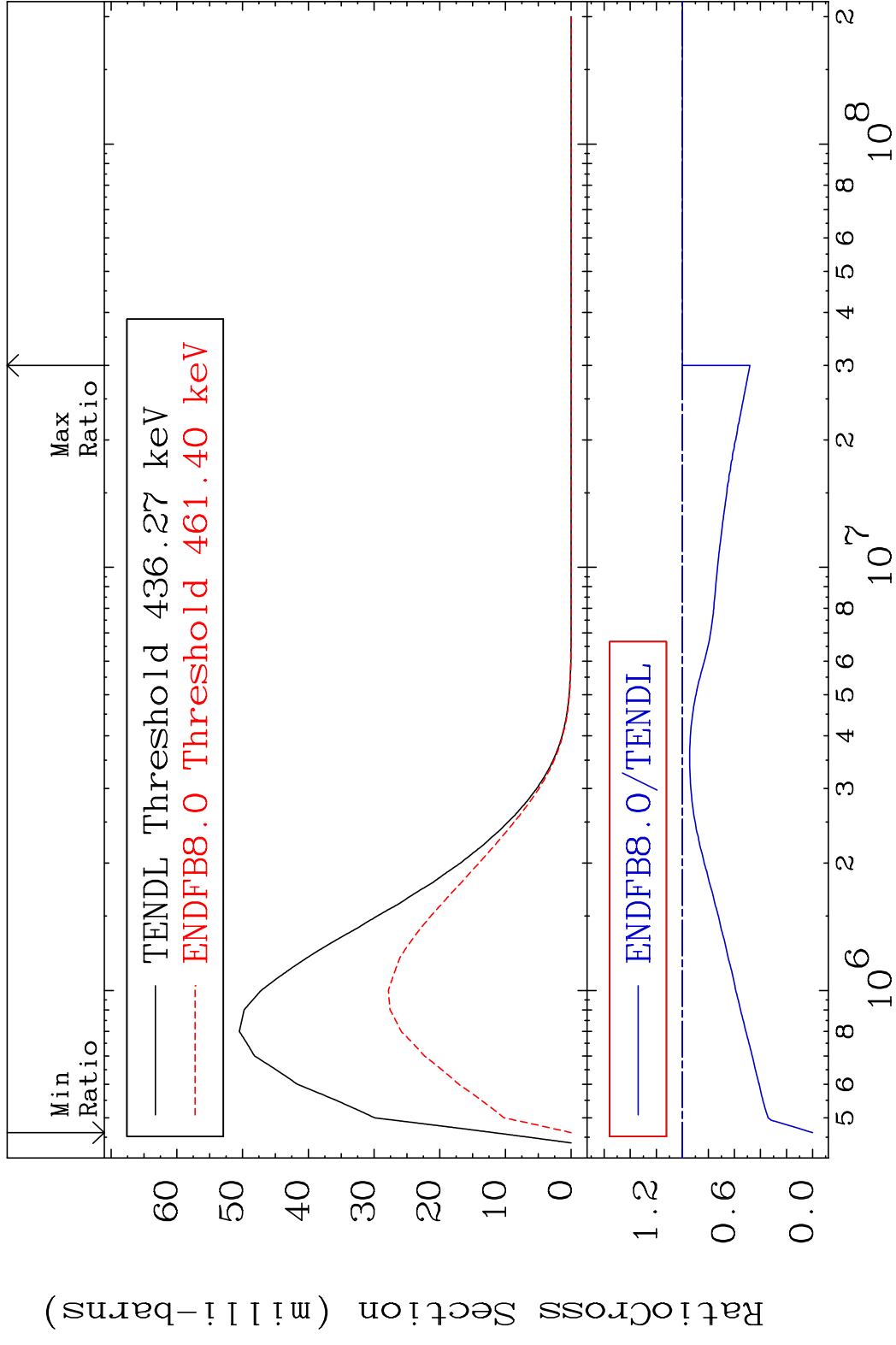
MAT 7834 MT= 63 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 9999. %



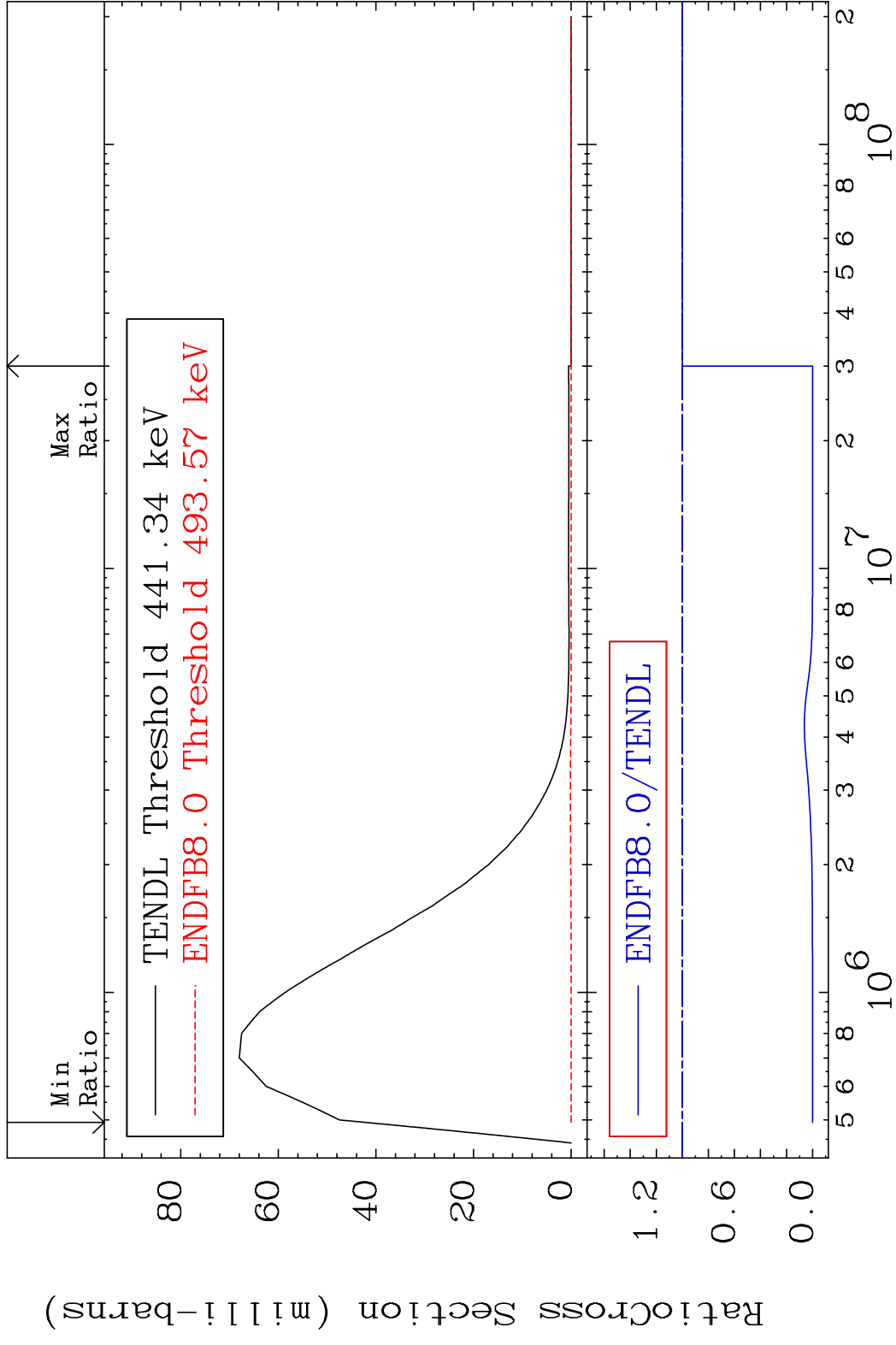
MAT 7834 MT= 64 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 52.65 %



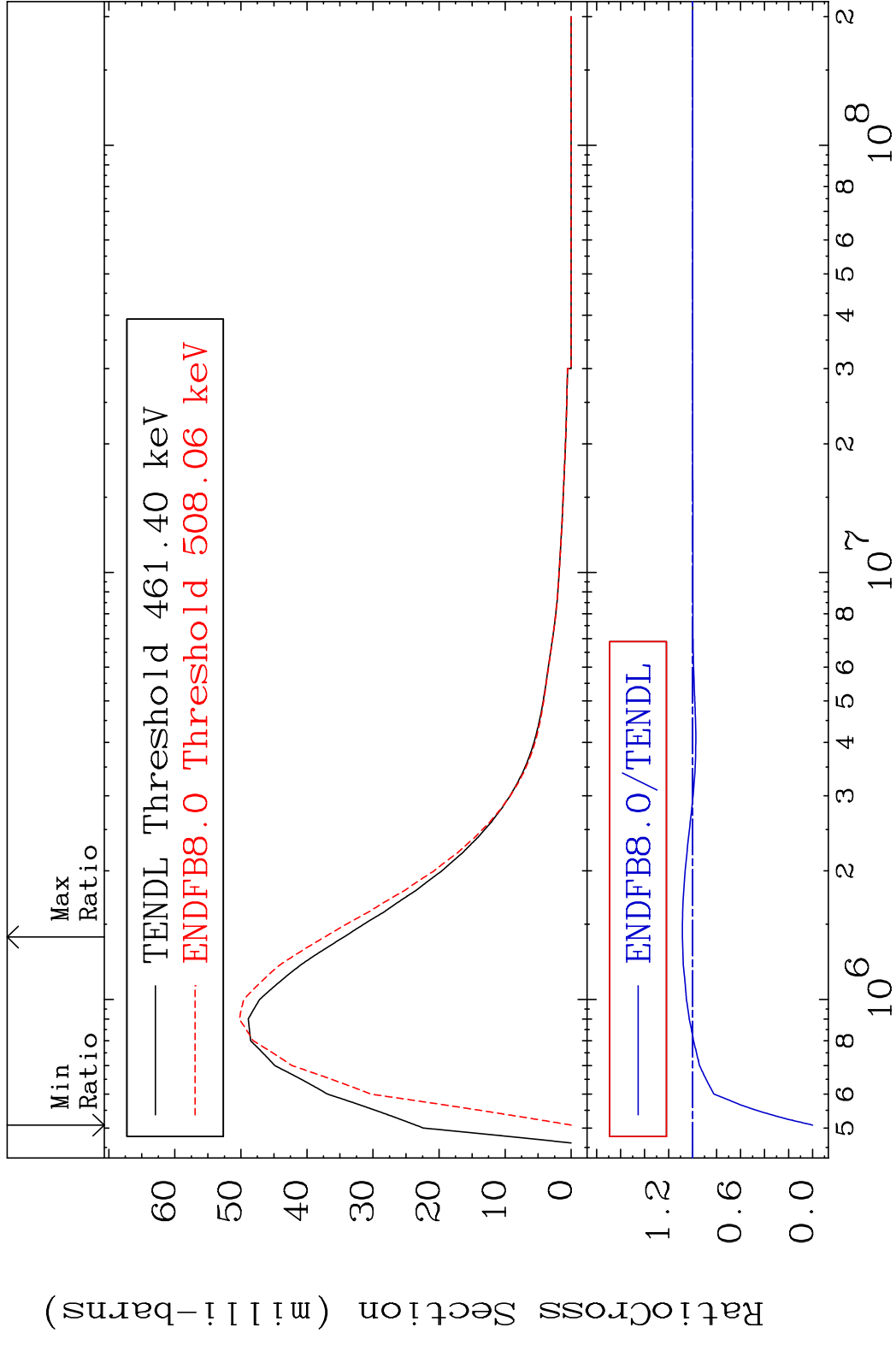
MAT 7834 MT= 65 (n,n') Level 78-Pt-193
 Cross Section -100.0 To 0.000 %



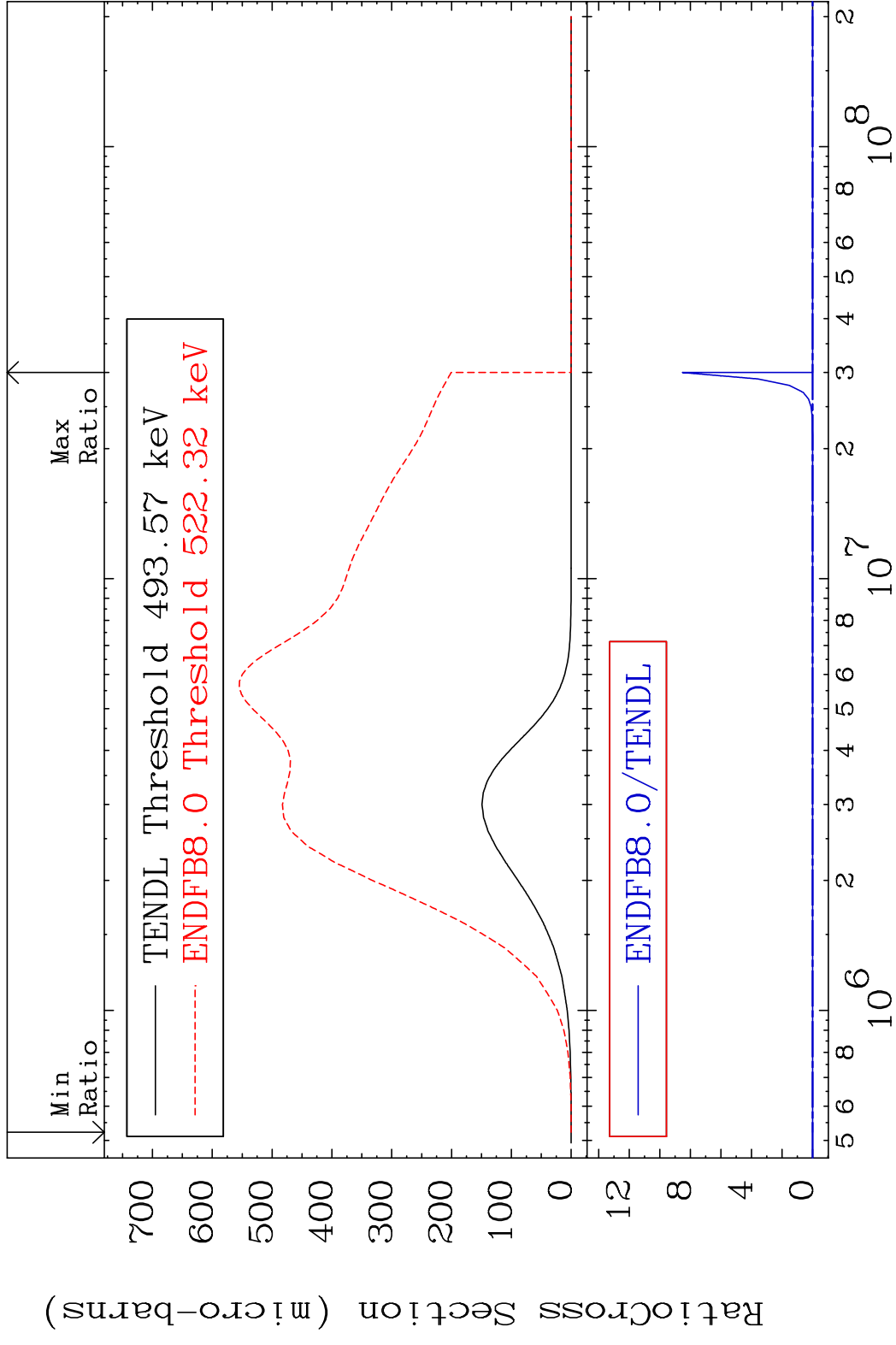
MAT 7834 MT= 66 (n,n') Level 78-Pt-193
 Cross Section -100.0 To 0.000 %



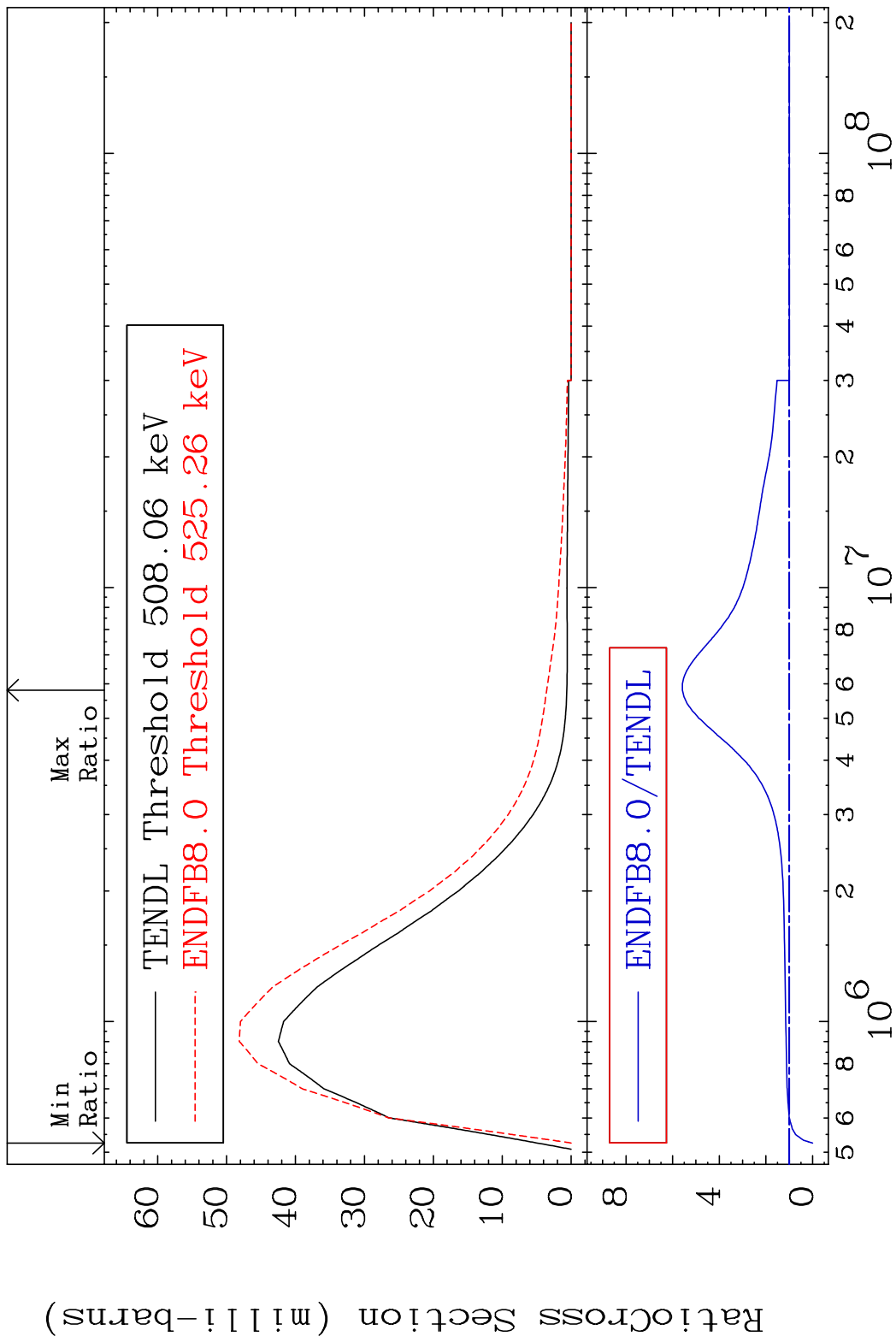
MAT 7834 MT= 67 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 8.535 %



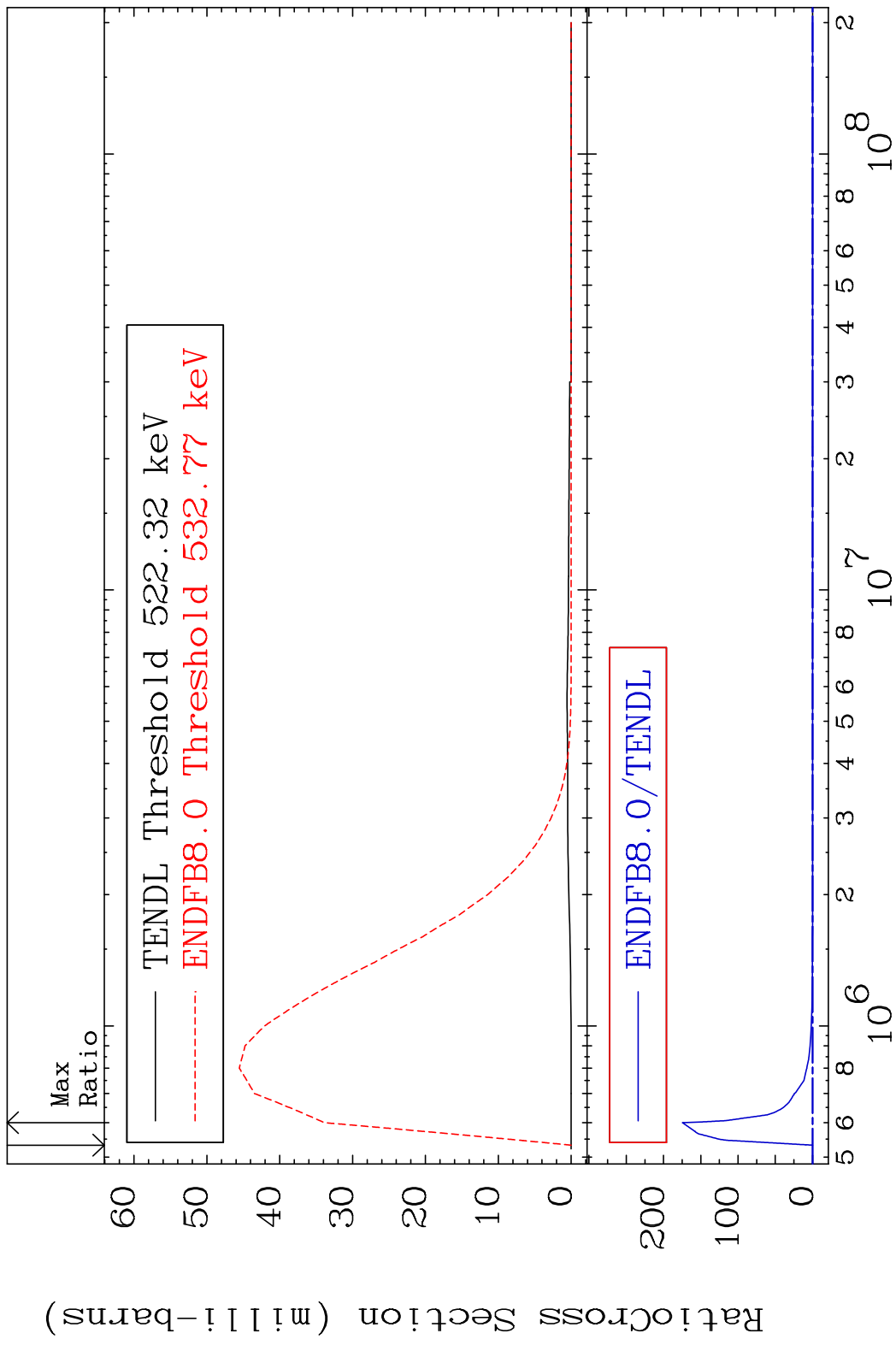
MAT 7834 MT= 68 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 9999. %



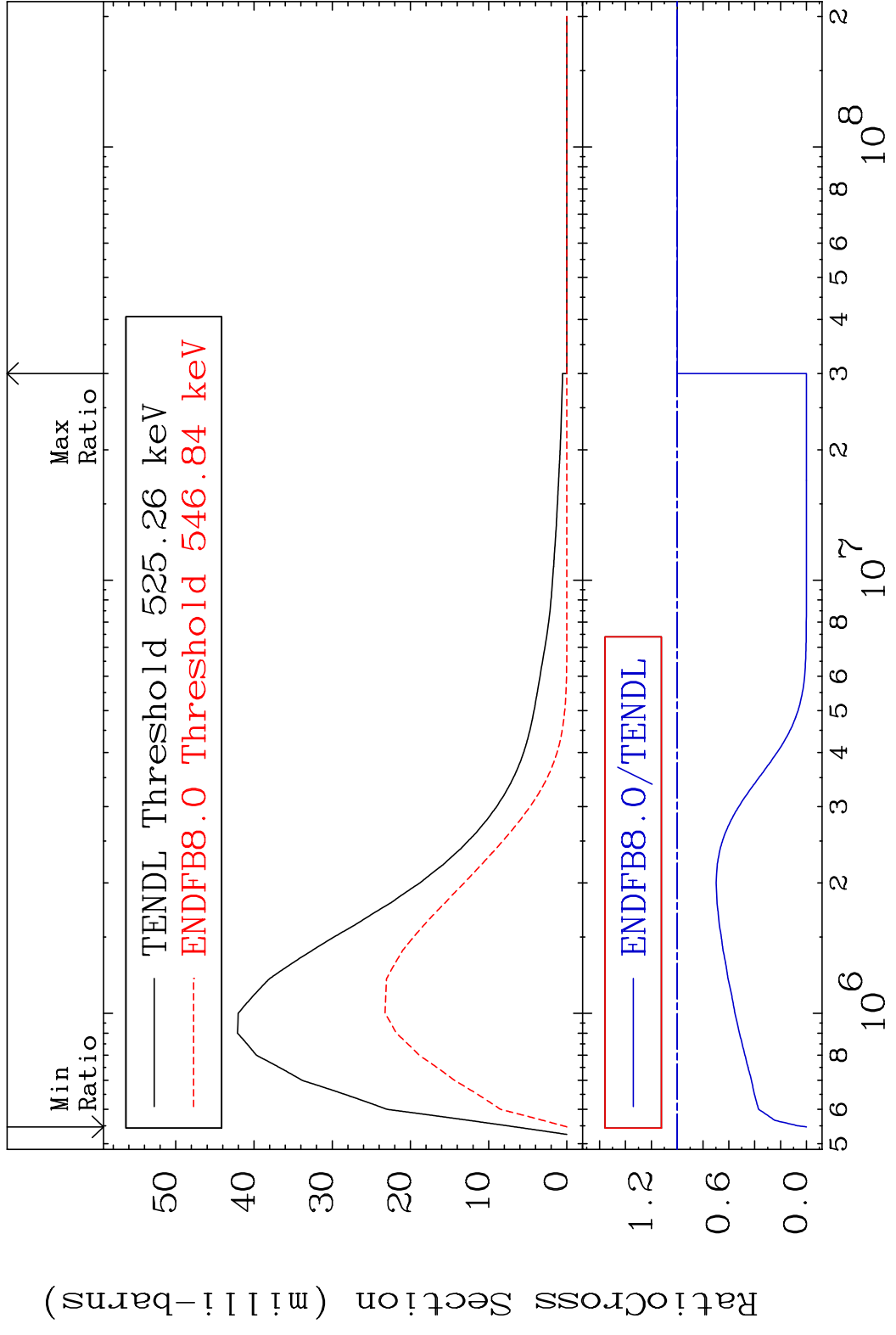
MAT 7834 MT= 69 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 458.2 %



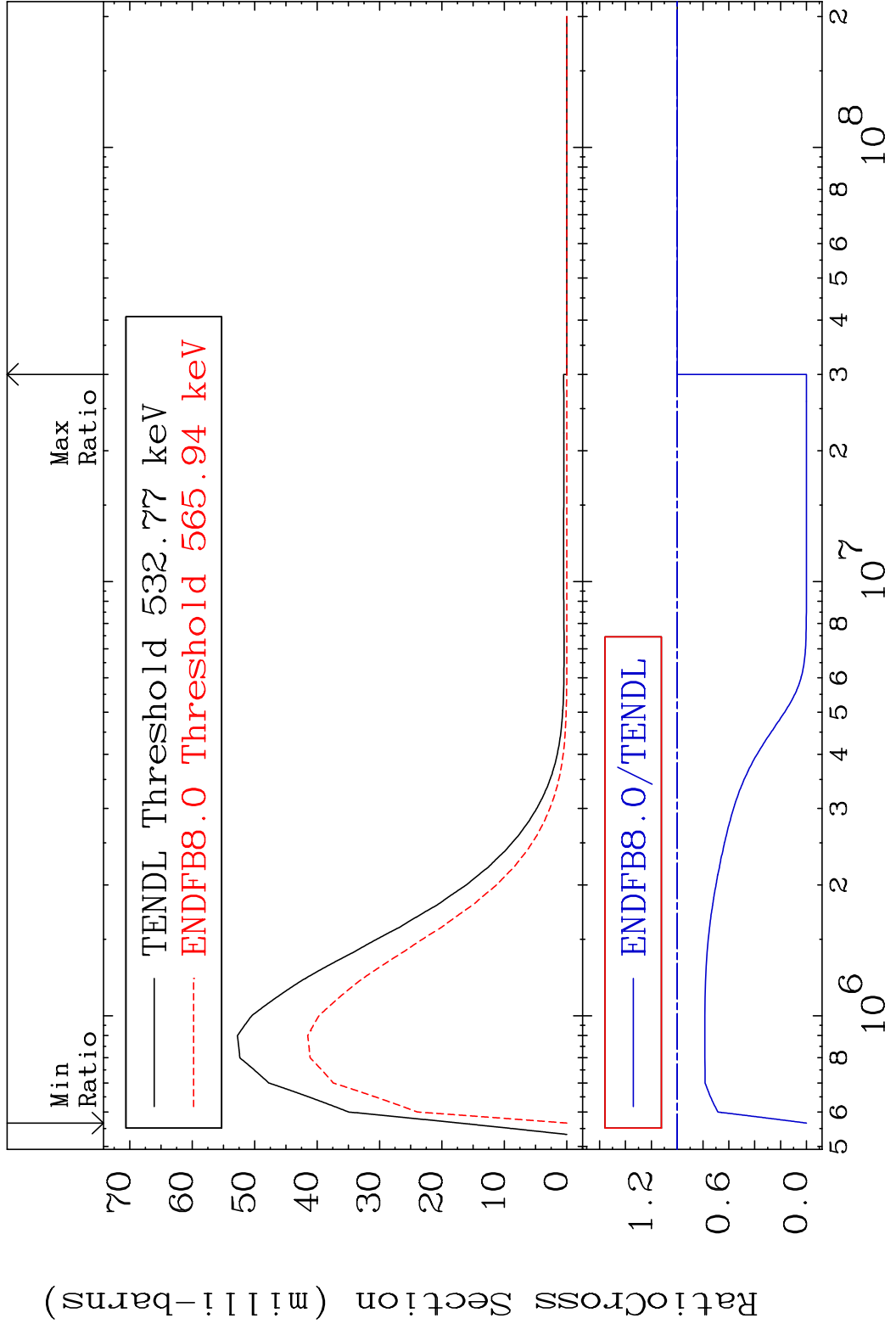
MAT 7834 MT= 70 (n,n') Level 78-Pt-193
 Cross Section -100.0 To 9999. %



MAT 7834 MT= 71 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 0.000 %

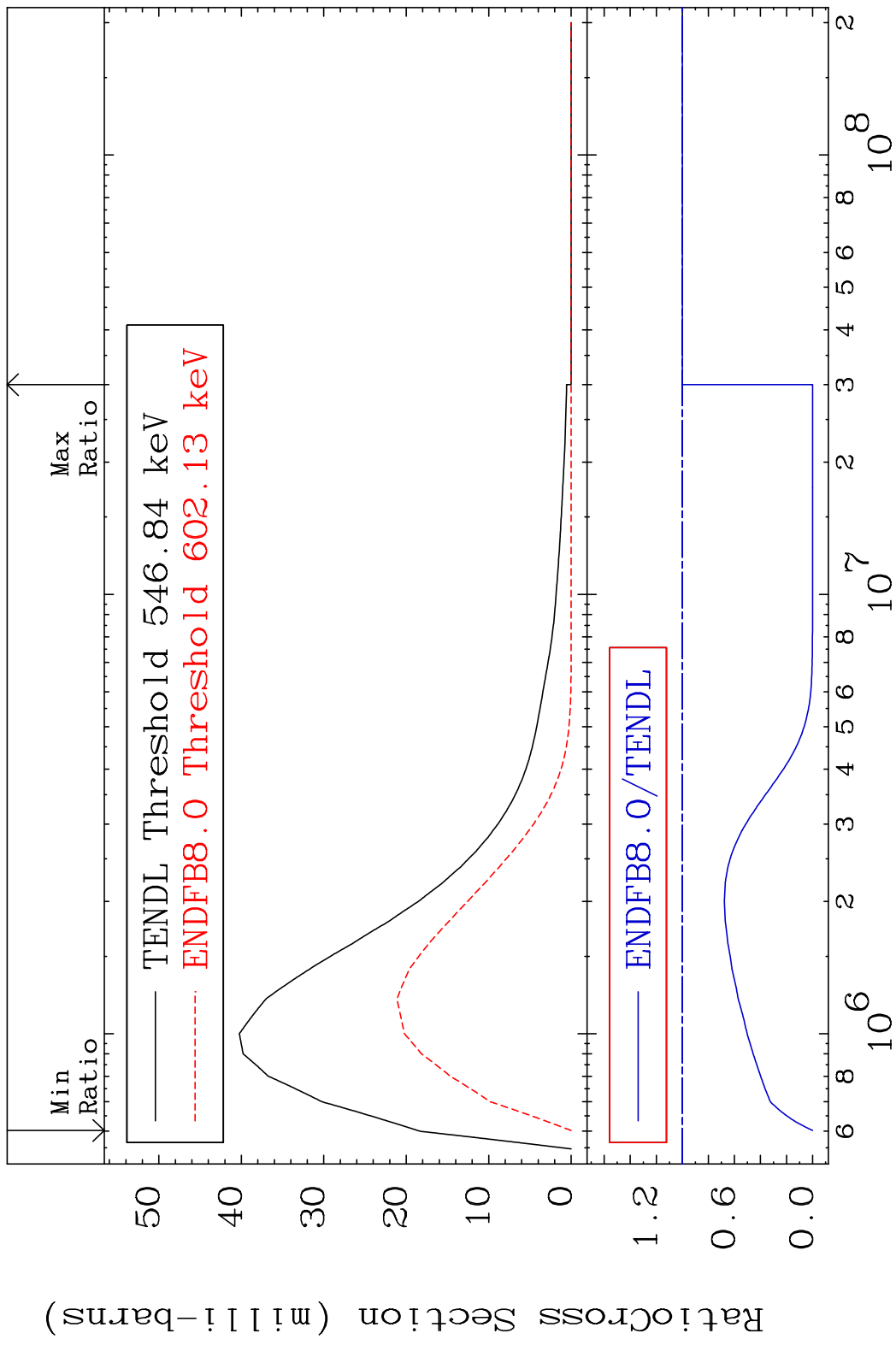


MAT 7834 MT= 72 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 0.000 %

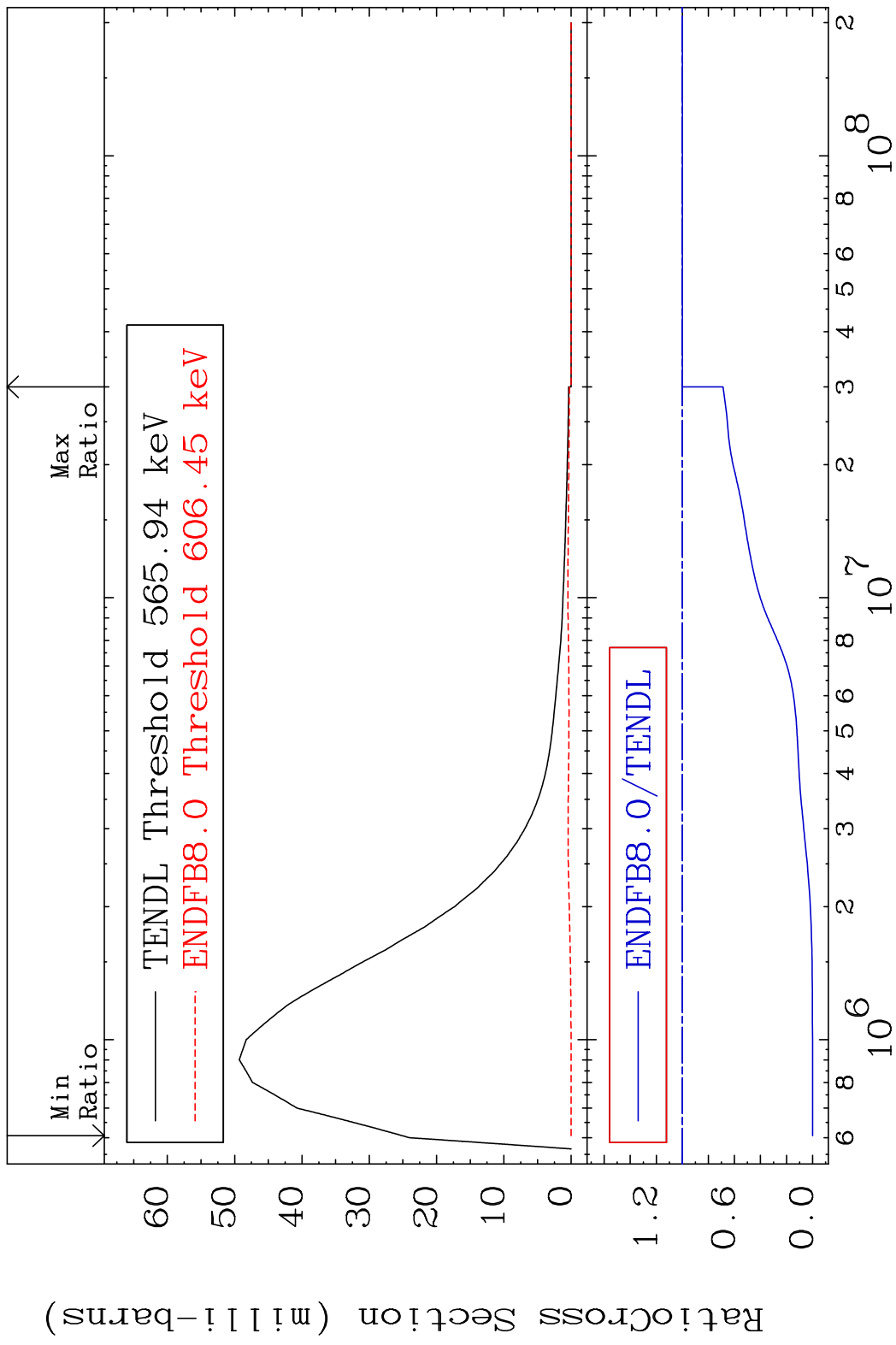


40 Incident Energy (eV) 78-Pt-193

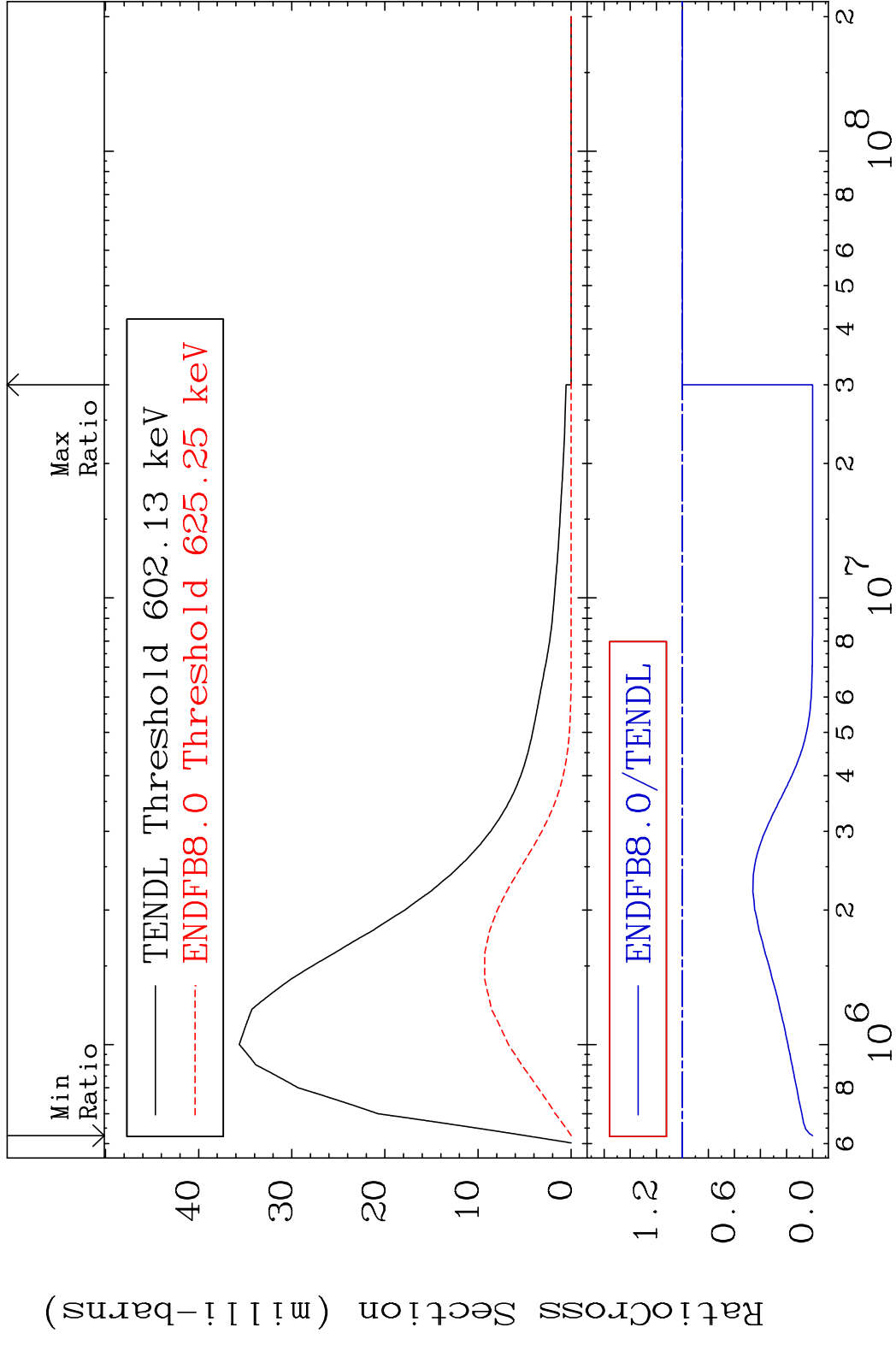
MAT 7834 MT= 73 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 0.000 %



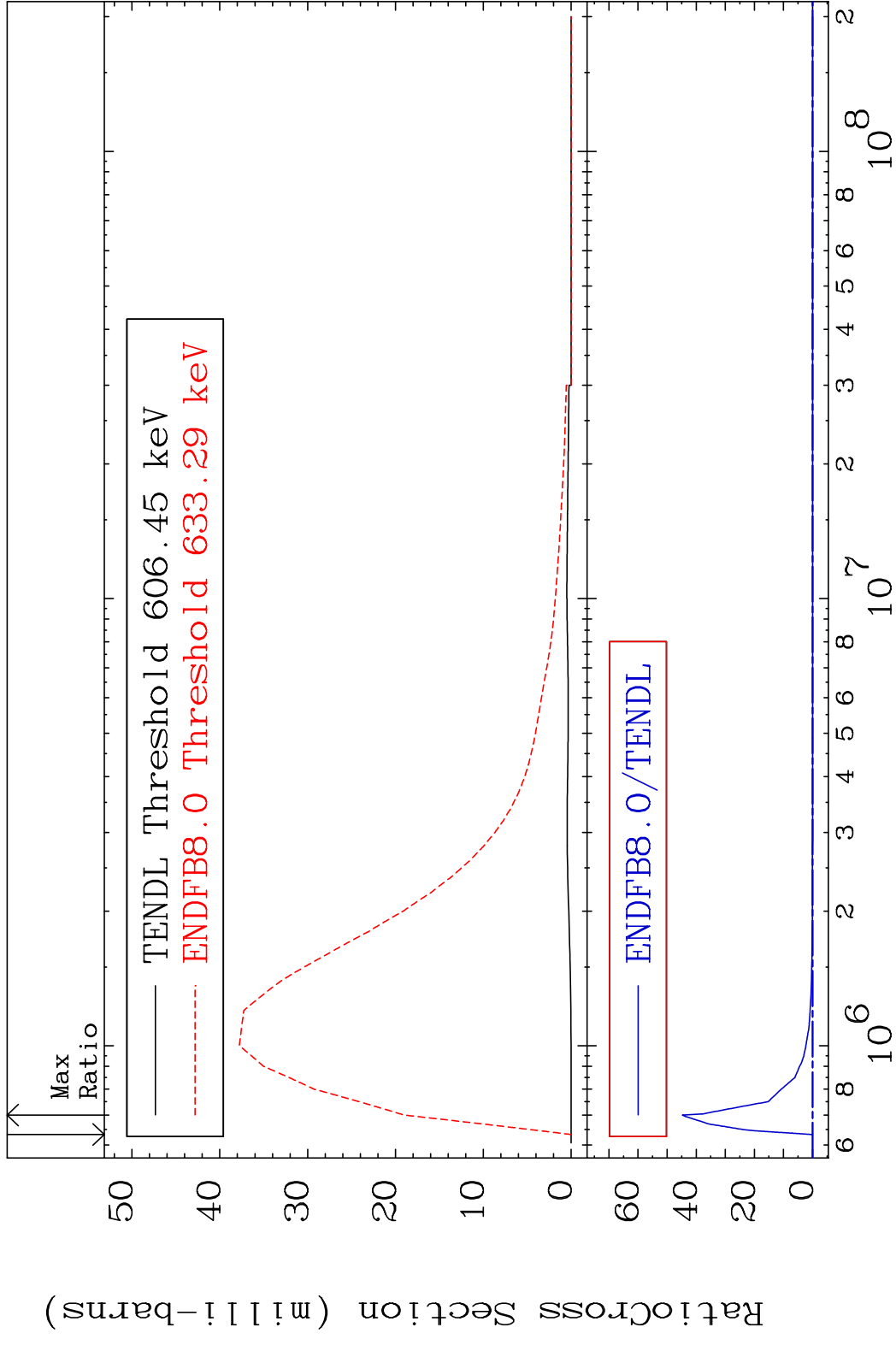
MAT 7834 MT= 74 (n,n') Level 78-Pt-193
 Cross Section -100.0 To 0.000 %



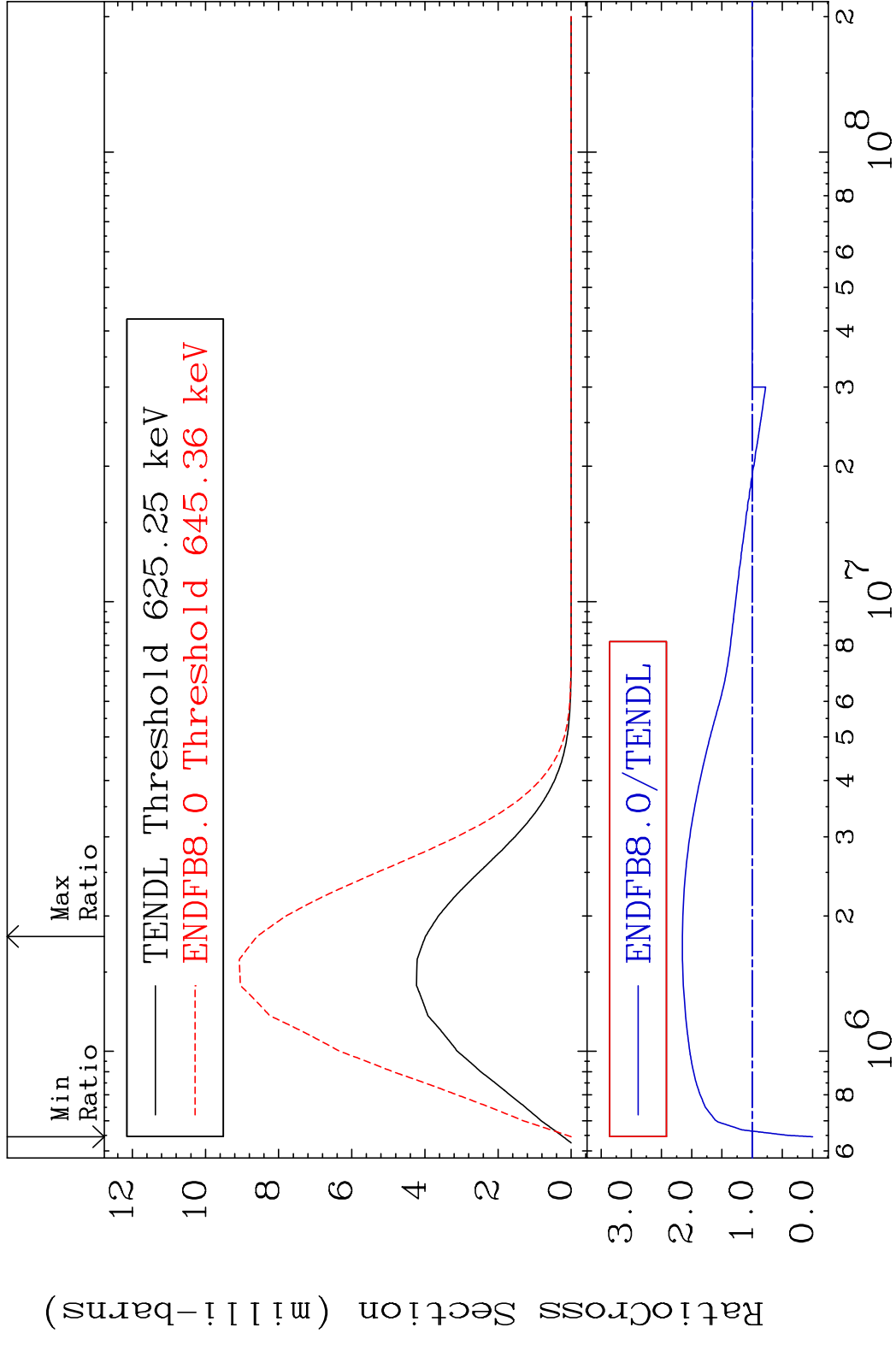
MAT 7834 MT= 75 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 0.000 %



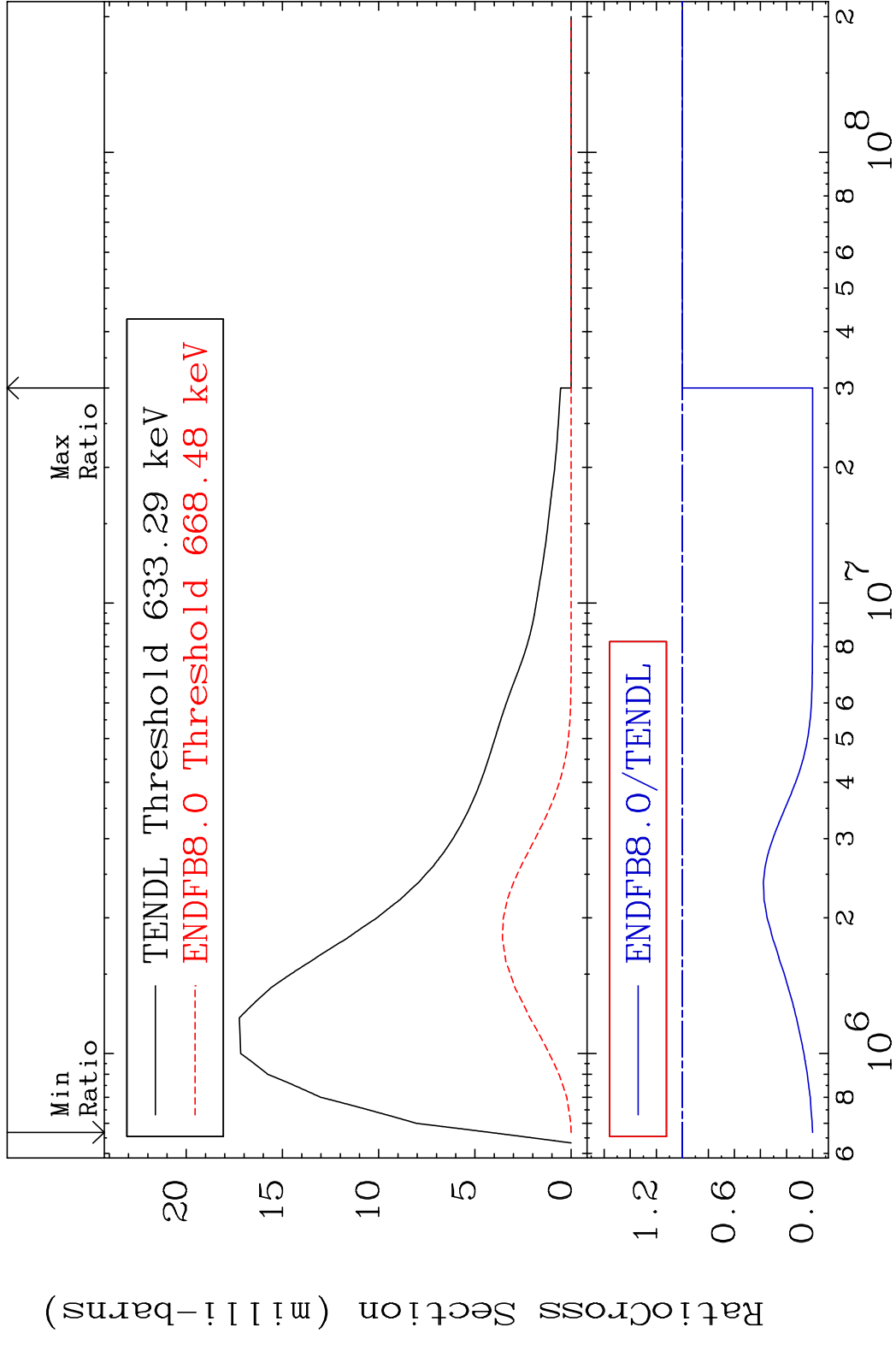
MAT 7834 MT= 76 (n,n') Level 78-Pt-193
 Cross Section -100.0 To 9999. %



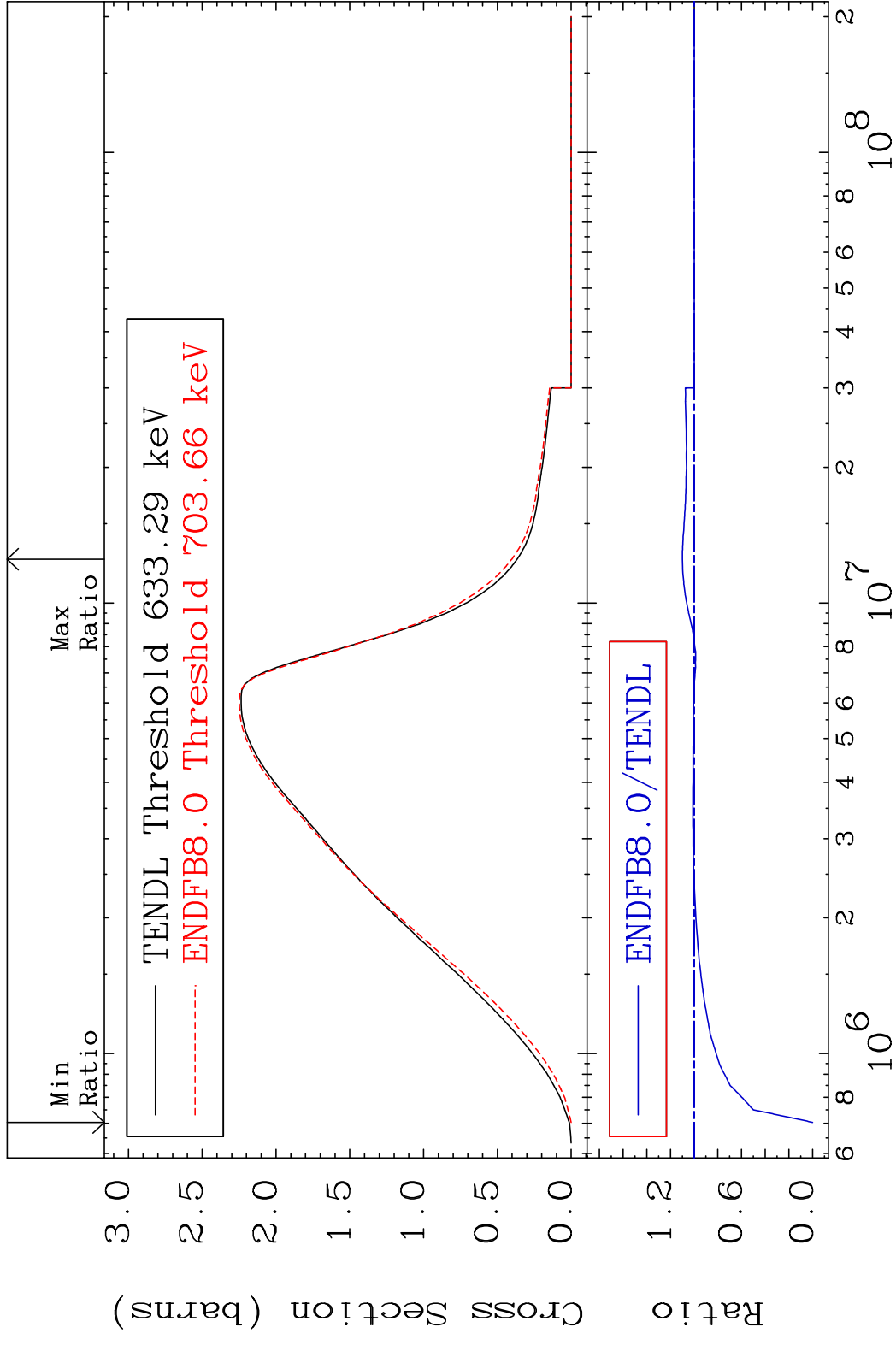
MAT 7834 MT= 77 (n, n') Level 78-Pt-193
 Cross Section -100.0 To 115.5 %



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



MAT 7834 (n,n') Continuum 78-Pt-193
 Cross Section -100.0 To 9.948 %

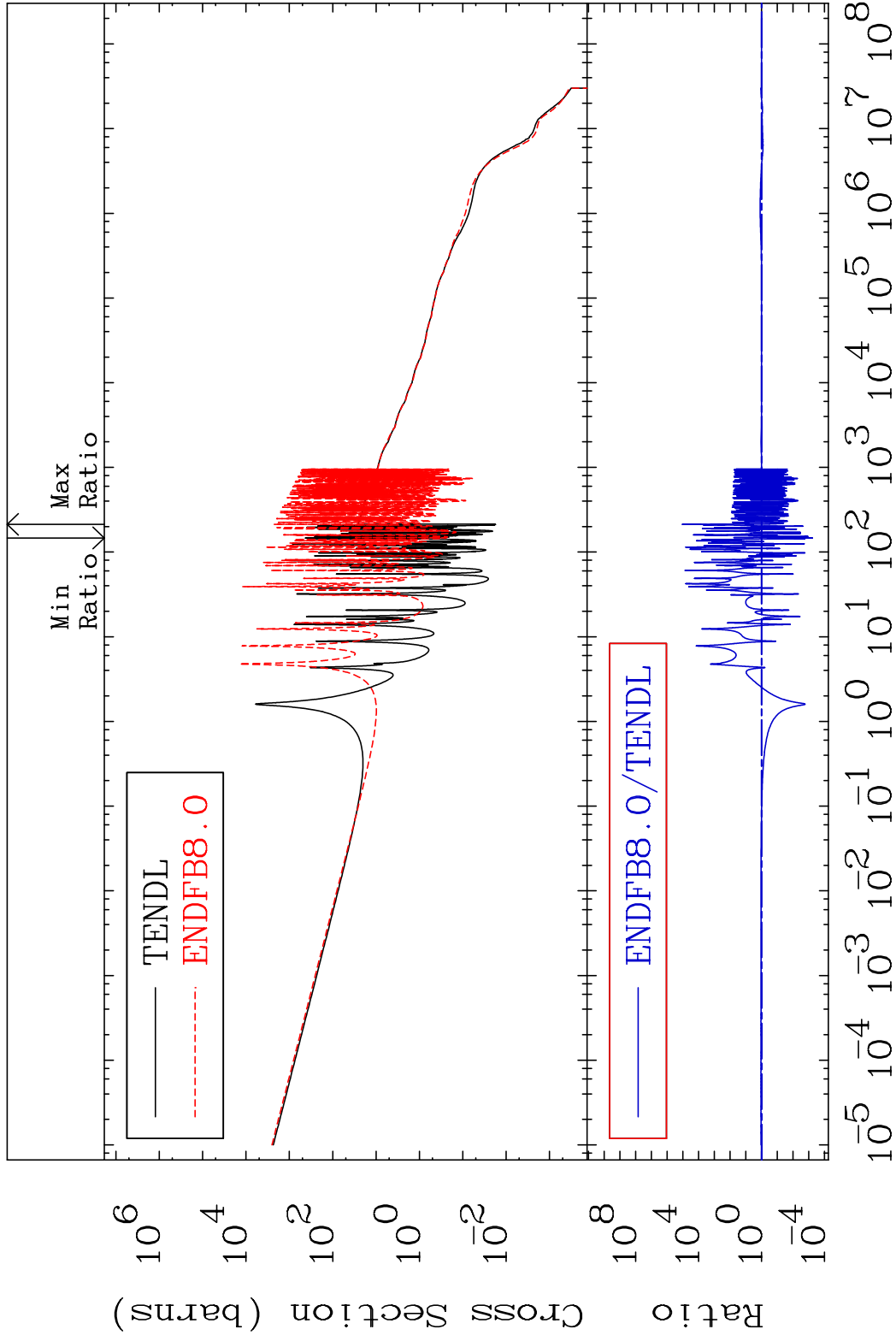


MAT 7834

(n, γ)

78-Pt-193

Cross Section -99.94 To 9999. %



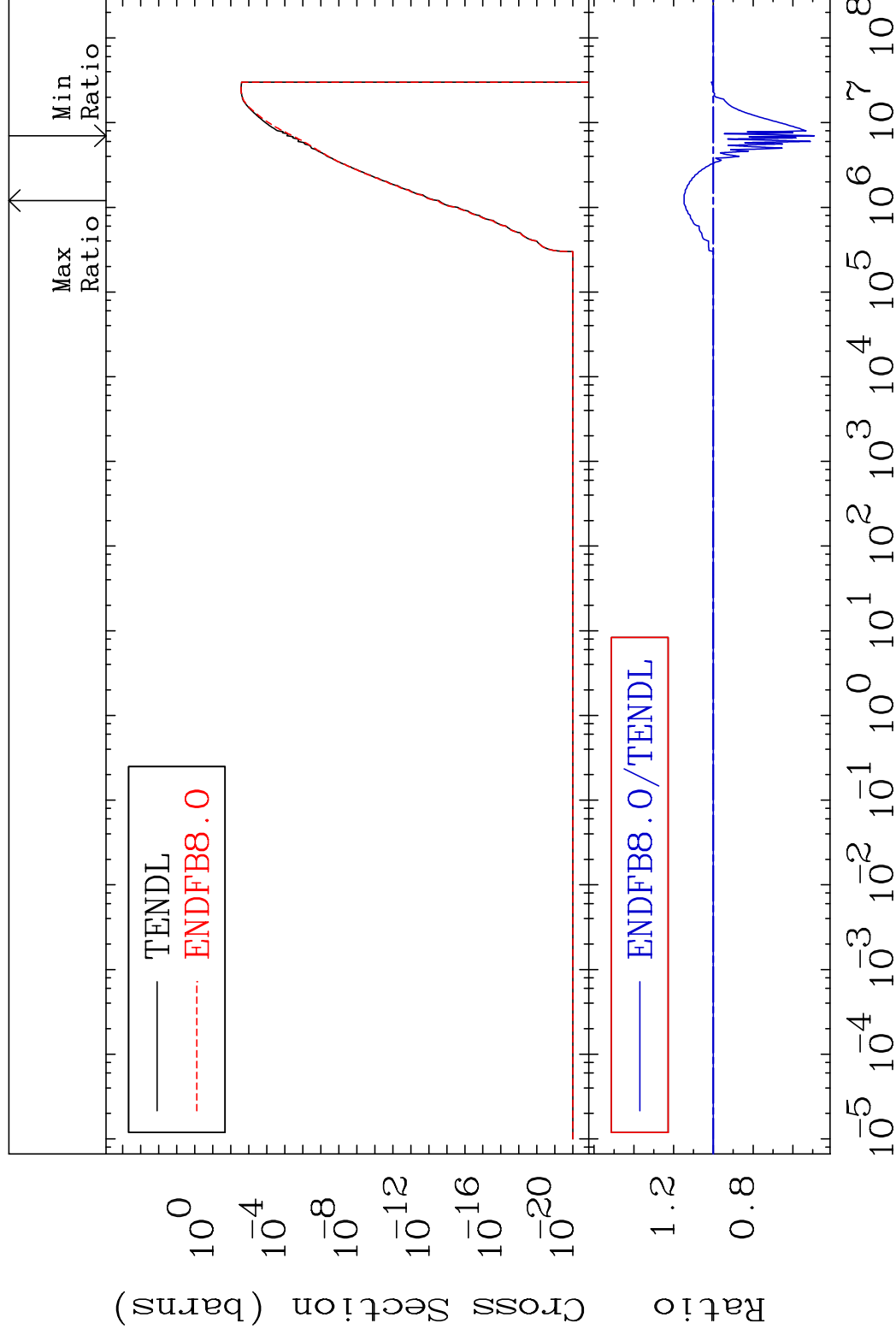
MAT 7834

(n, p)

78-Pt-193

Cross Section

-50.76 To 14.74 %



49

Incident Energy (eV)

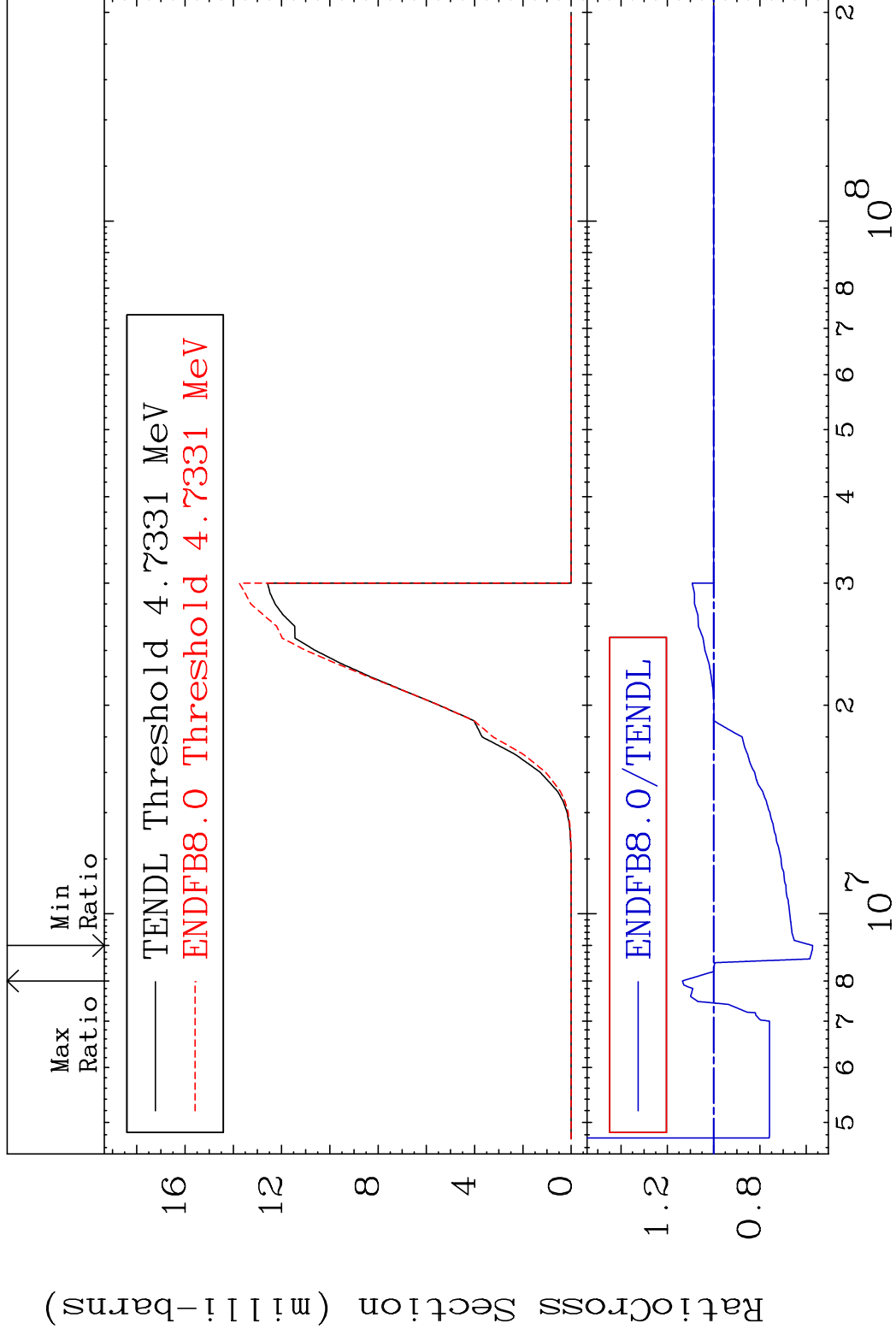
78-Pt-193

MAT 7834

(n, d)

78-Pt-193

Cross Section -42.69 To 13.51 %



50

Incident Energy (eV)

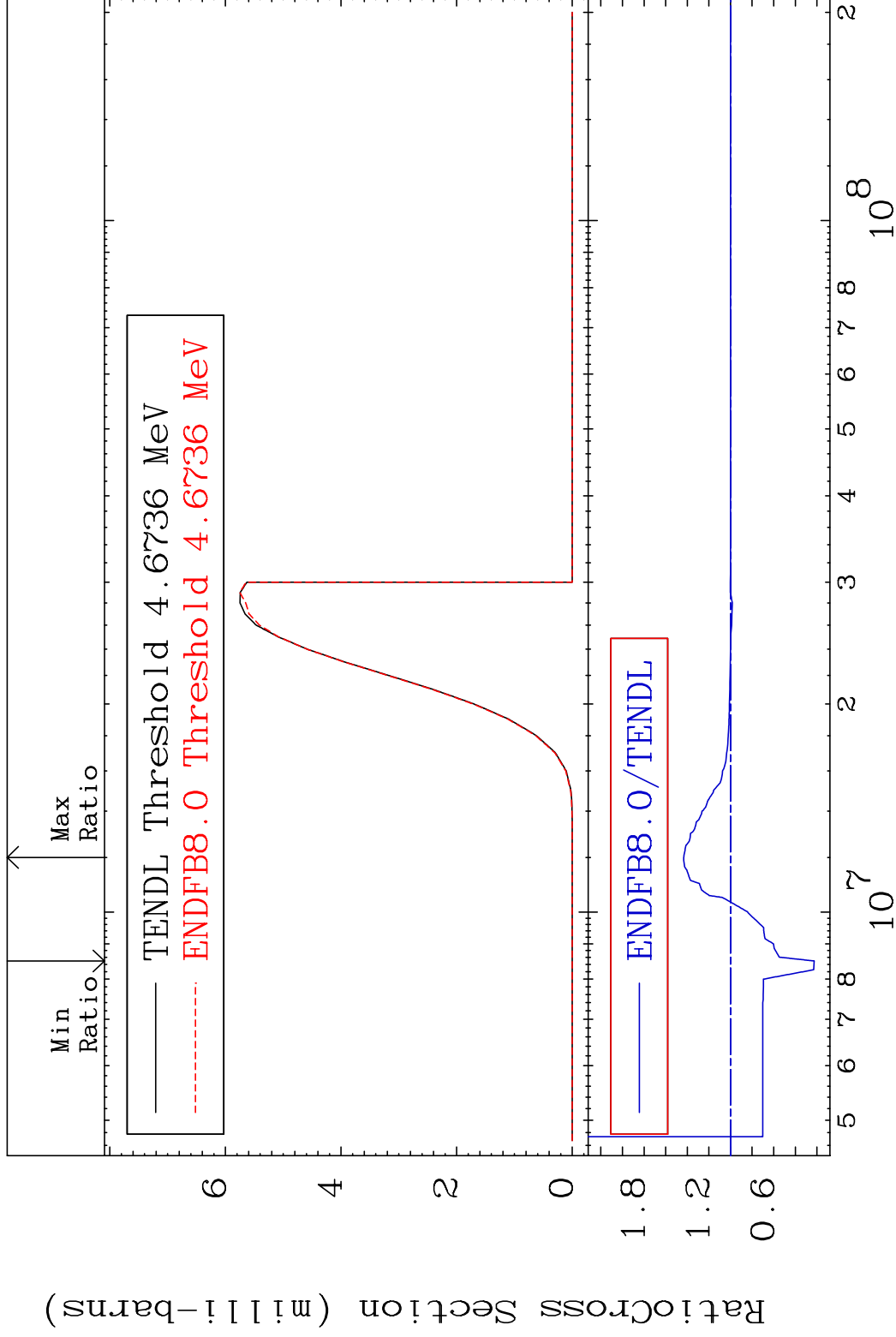
78-Pt-193

MAT 7834

(n, t)

78-Pt-193

Cross Section -77.38 To 43.36 %



51

Incident Energy (eV)

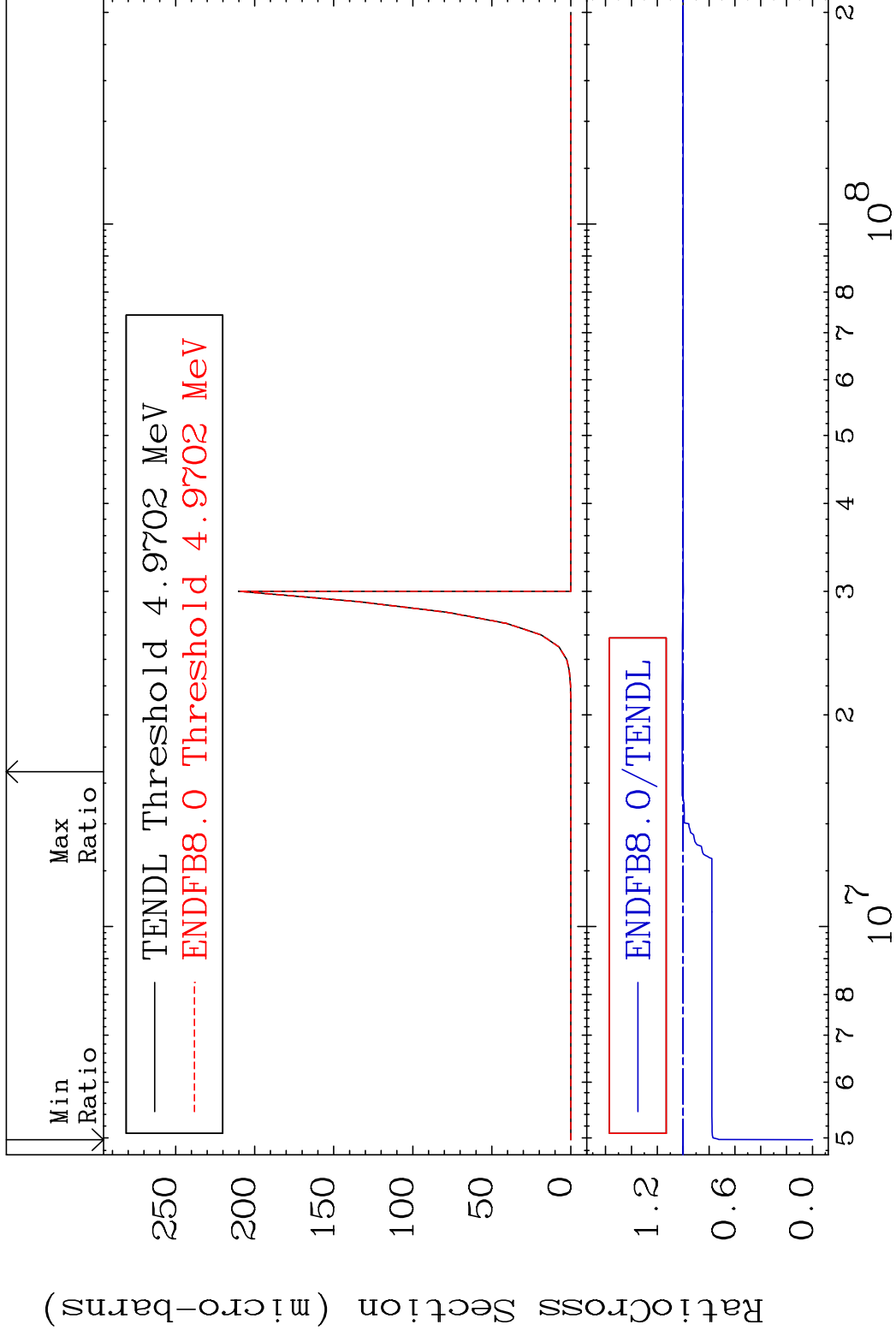
78-Pt-193

MAT 7834

(n, He-3)

78-Pt-193

Cross Section -100.0 To 0.770 %

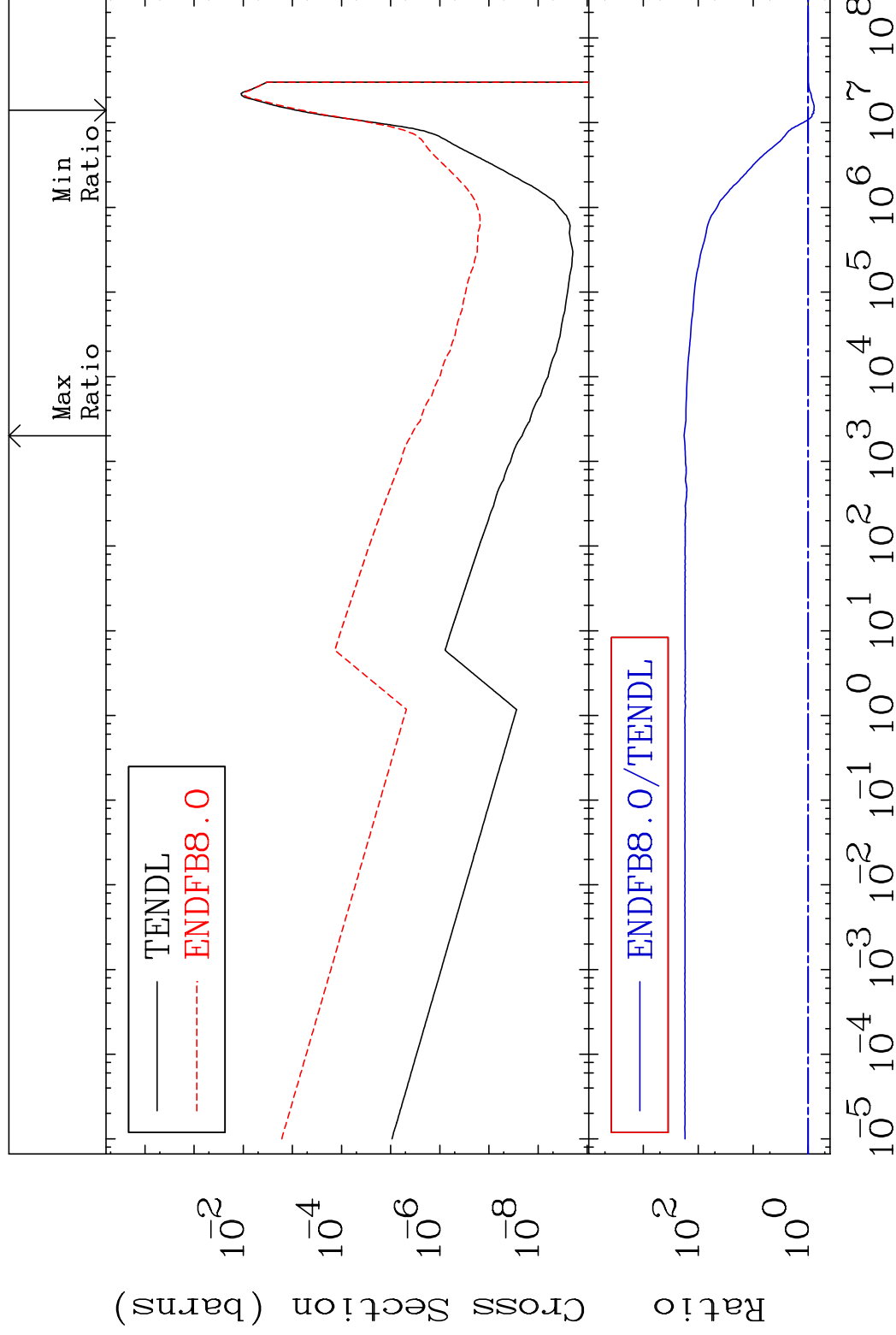


MAT 7834

78-Pt-193

(n, α)

Cross Section -22.25 To 9999. %



53

Incident Energy (eV)

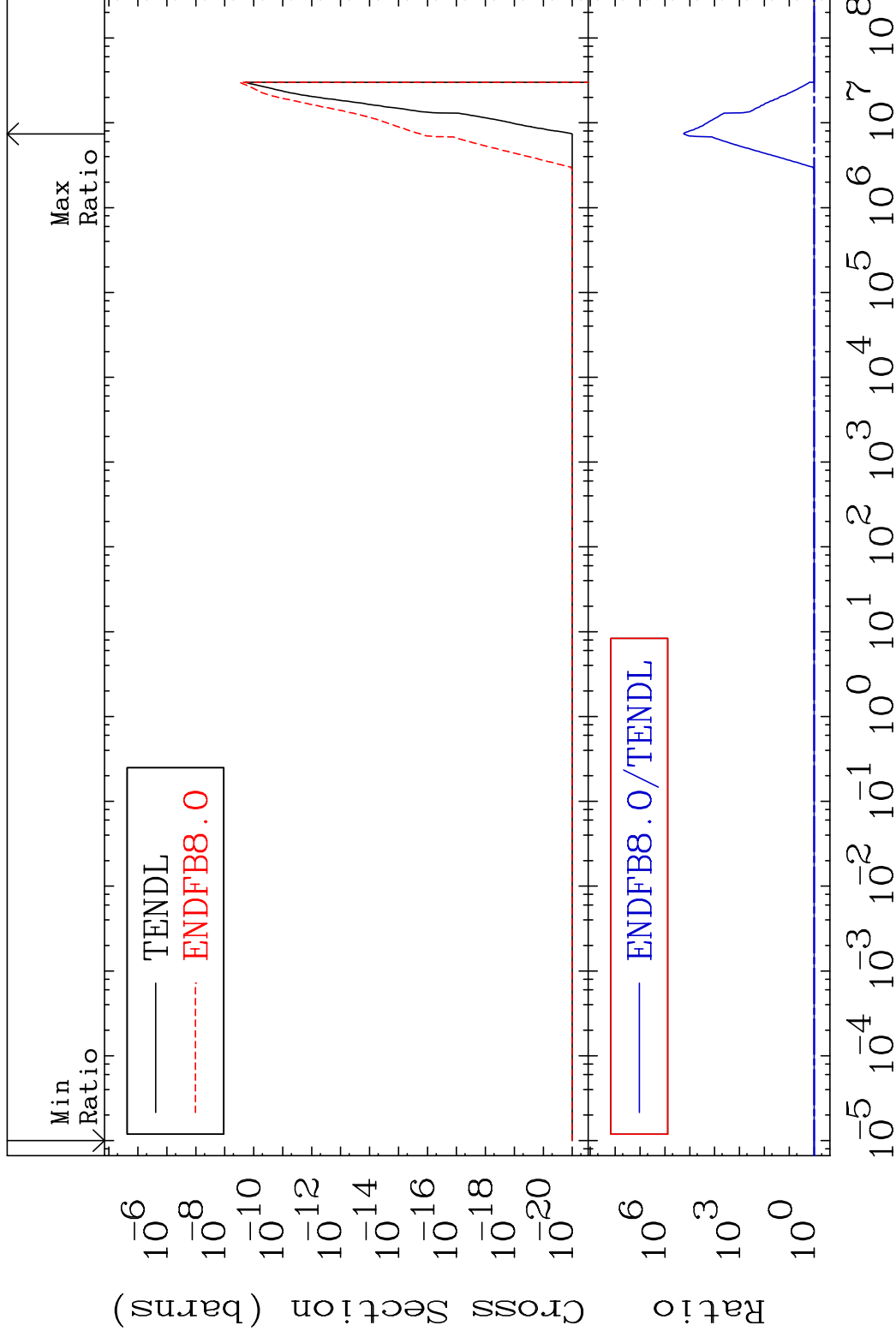
78-Pt-193

MAT 7834

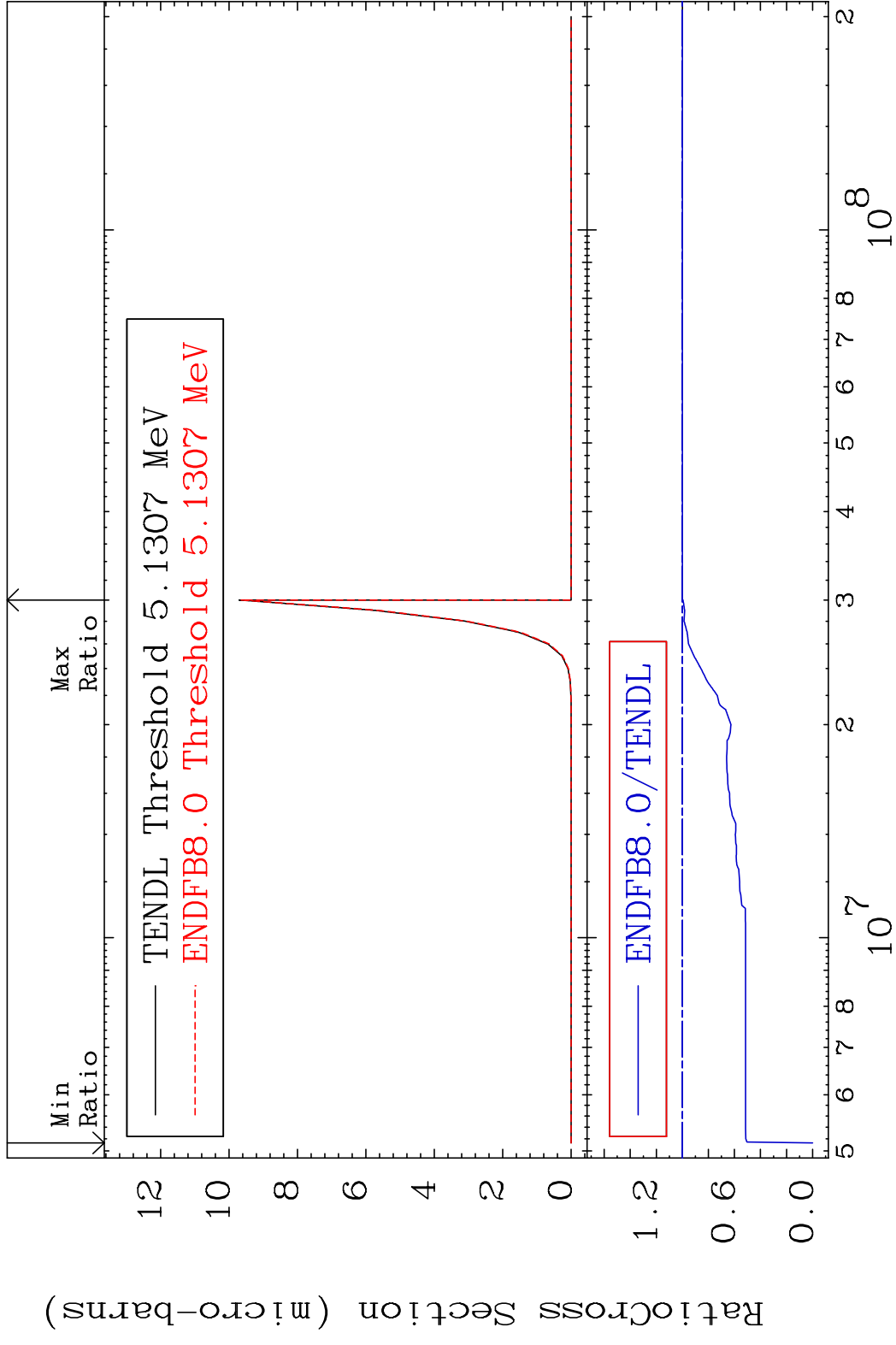
(n,2α)

78-Pt-193

Cross Section 0.000 To 9999. %



MAT 7834 (n,2p) 78-Pt-193
 Cross Section -100.0 To 0.000 %

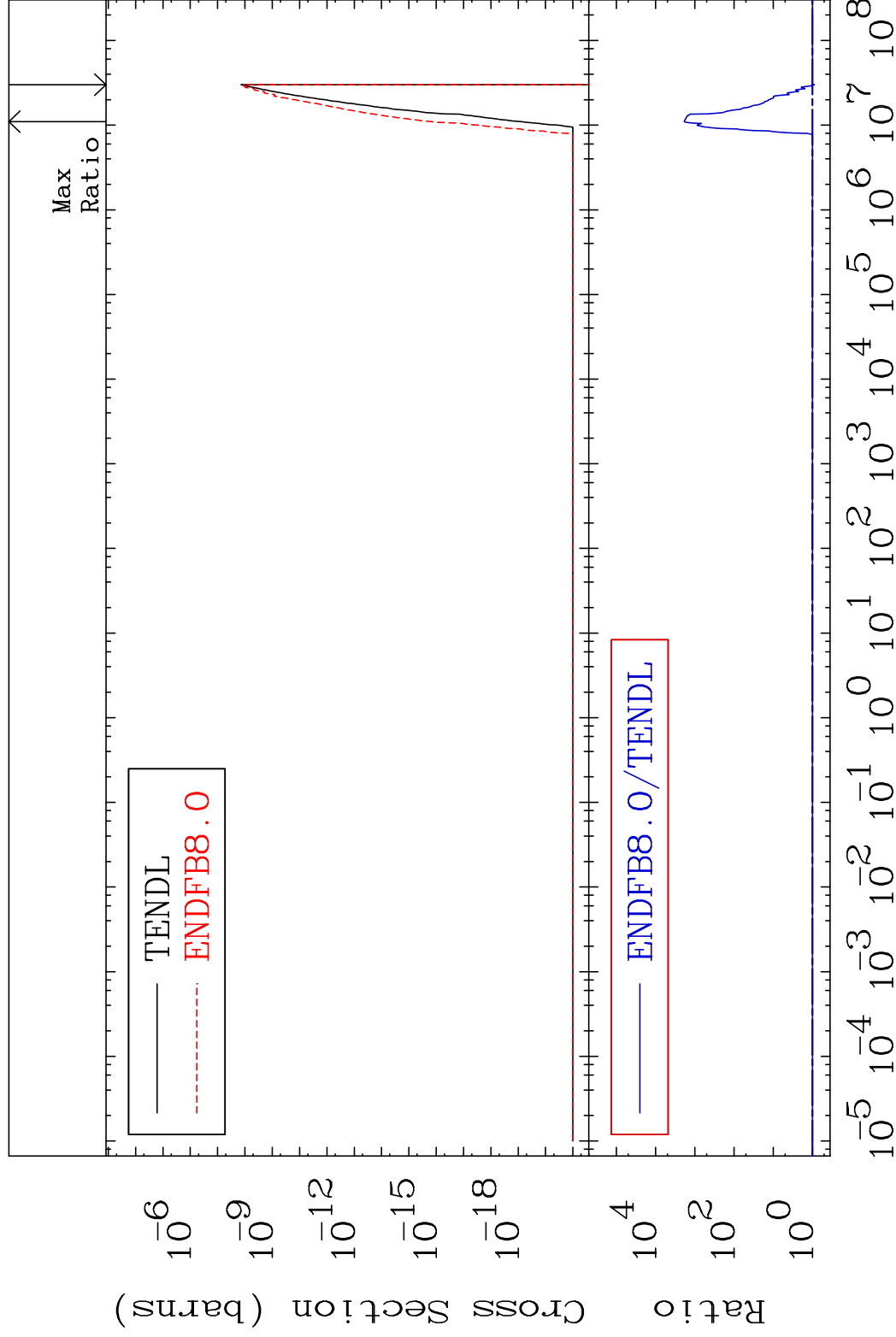


MAT 7834

(n,p) α

78-Pt-193

Cross Section -10.35 To 9999. %



56

Incident Energy (eV)

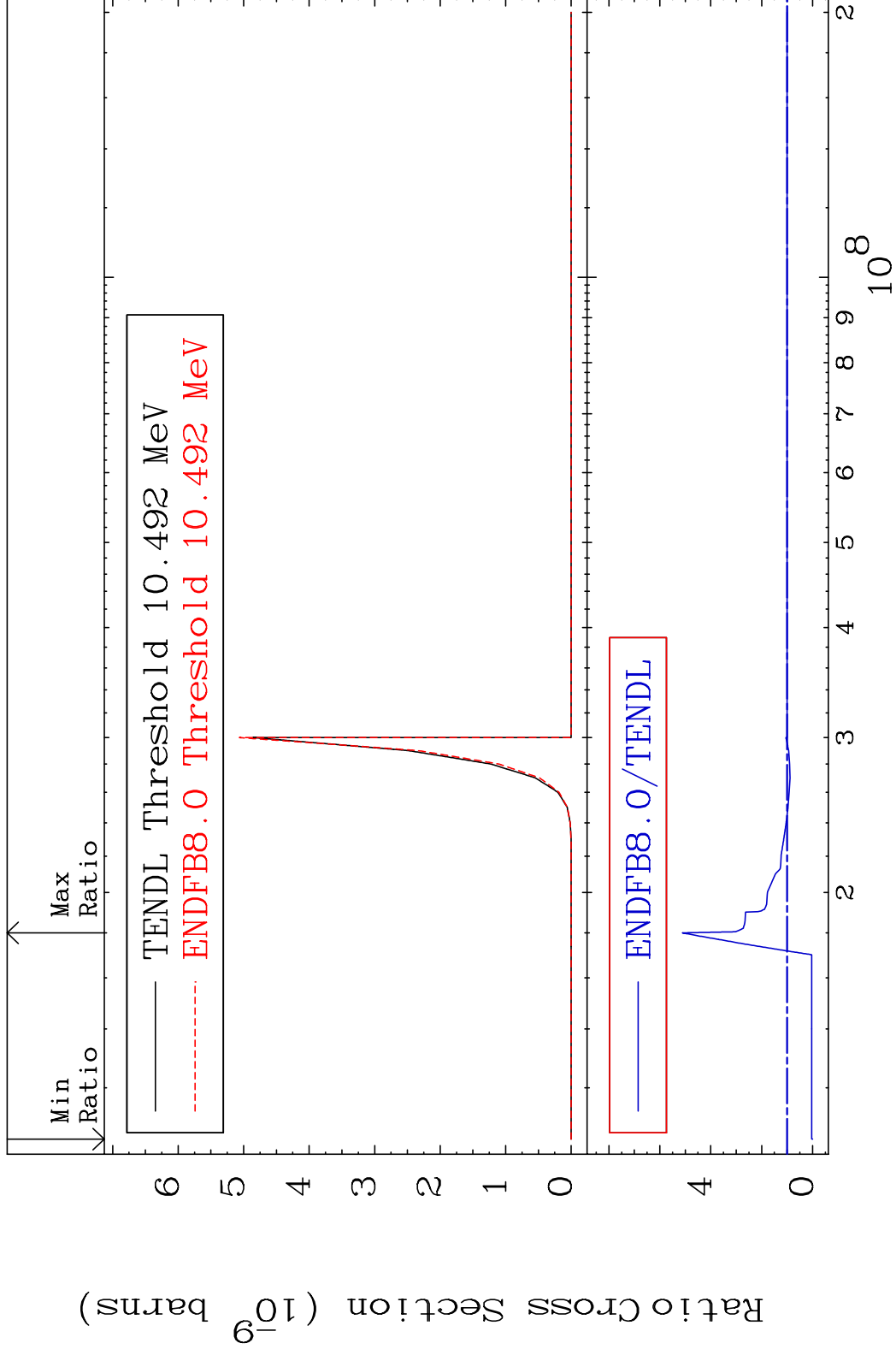
78-Pt-193

MAT 7834

(n,p) d

78-Pt-193

Cross Section -100.0 To 411.4 %

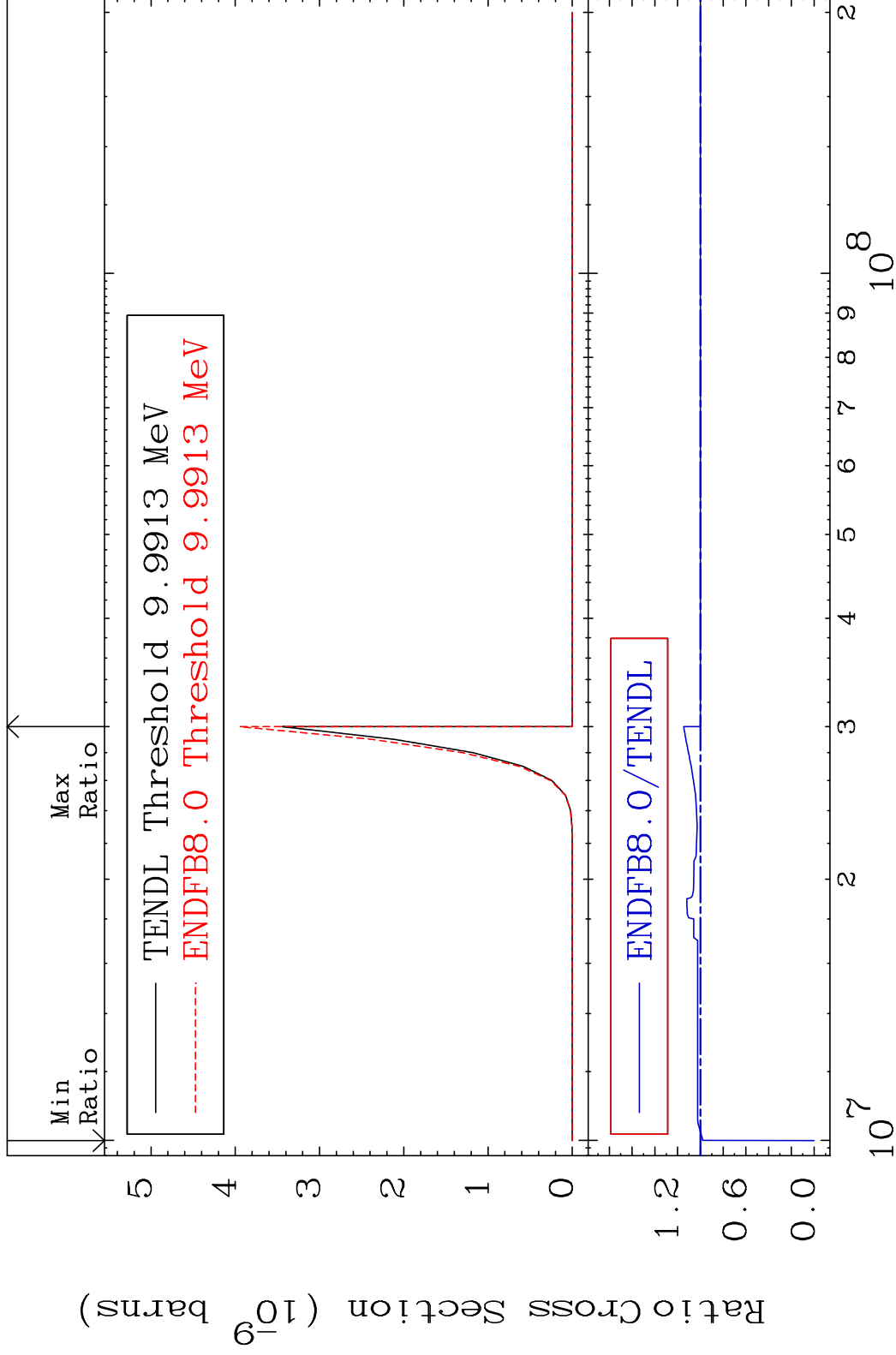


MAT 7834

(n,p) t

78-Pt-193

Cross Section -100.0 To 14.68 %



58

Incident Energy (eV)

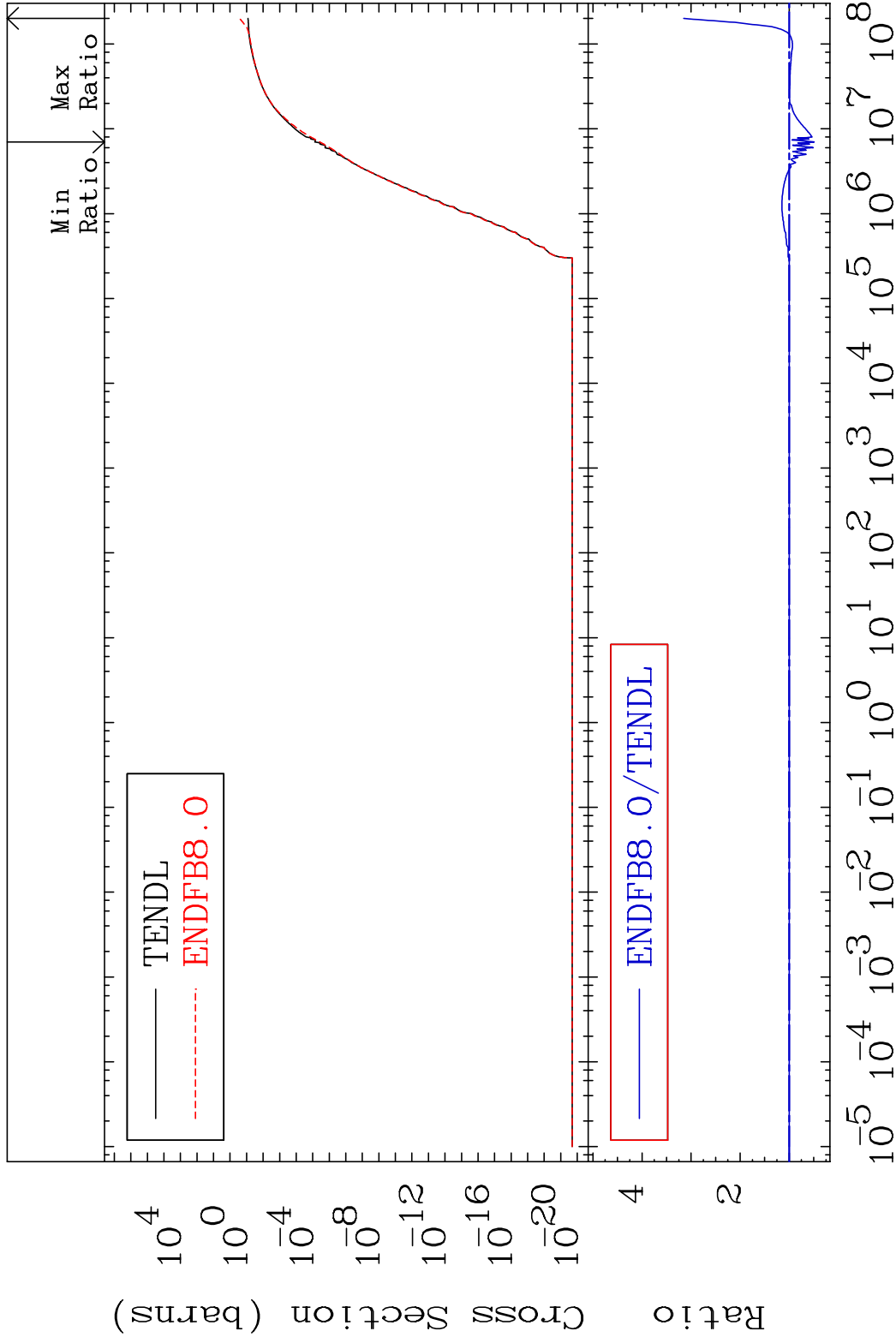
78-Pt-193

MAT 7834

Hydrogen Production

78-Pt-193

Cross Section -50.76 To 215.1 %



59

Incident Energy (eV)

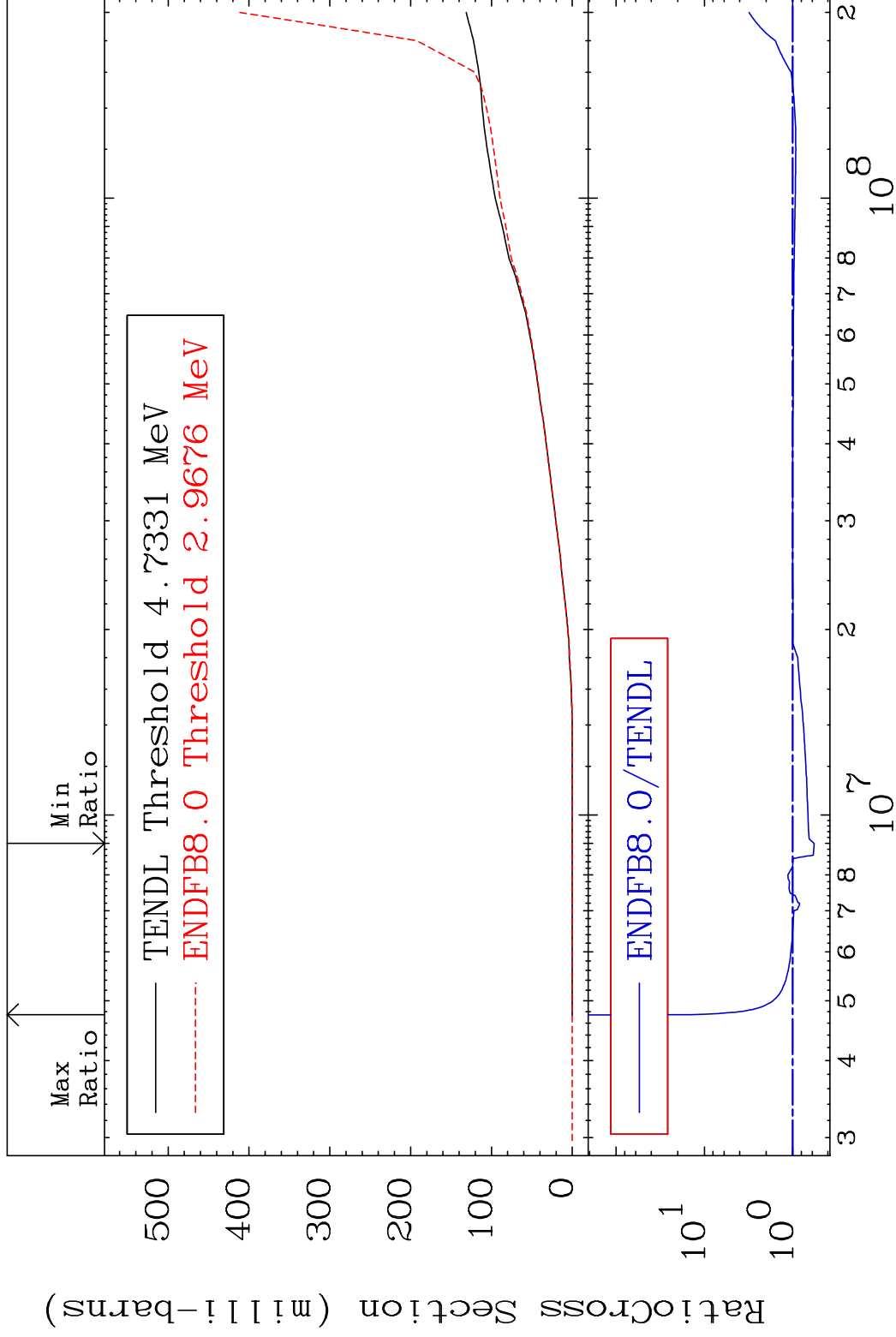
78-Pt-193

MAT 7834

Deuterium Production

78-Pt-193

Cross Section -42.69 To 1620. %



60

Incident Energy (eV)

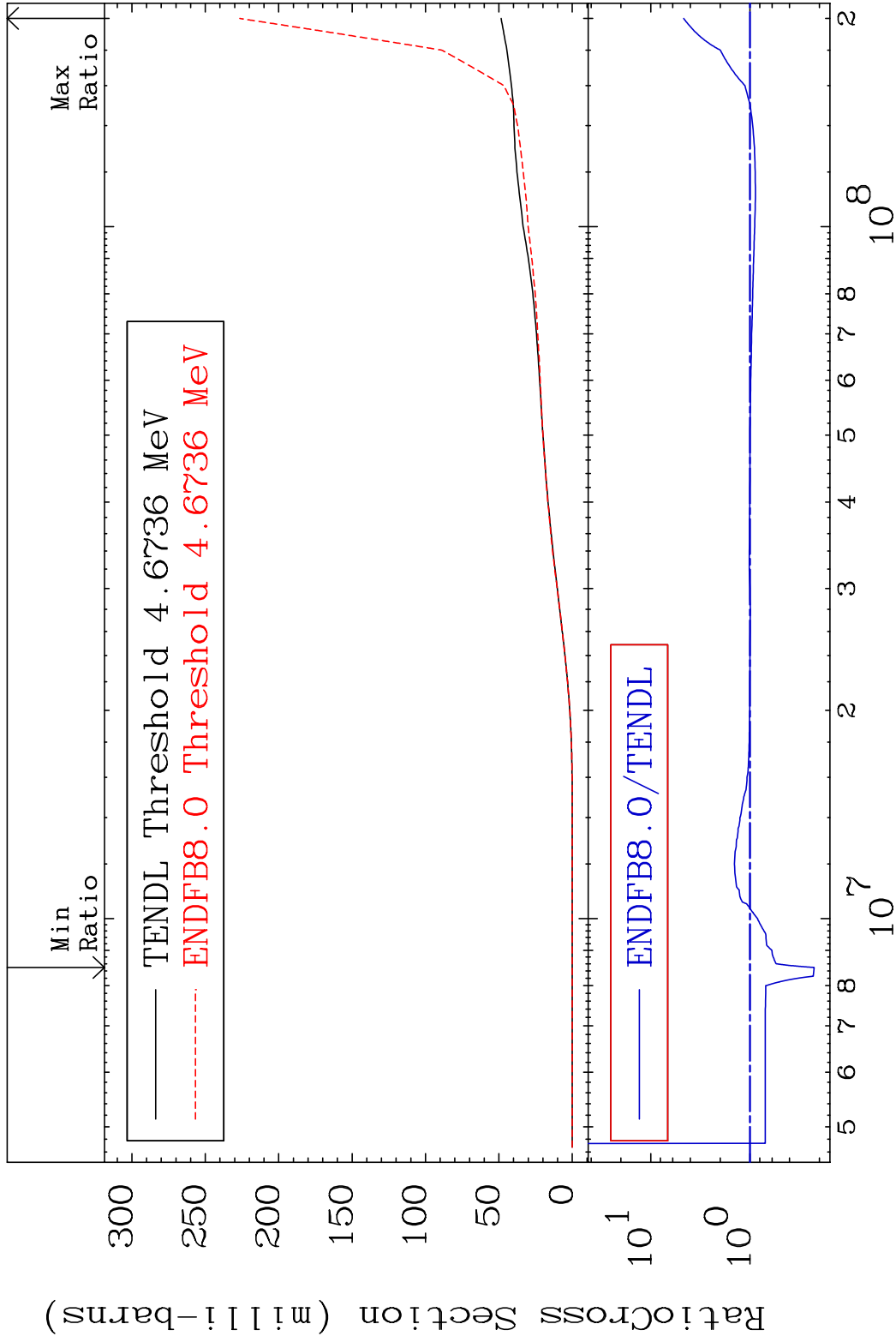
78-Pt-193

MAT 7834

Tritium Production

78-Pt-193

Cross Section -77.38 To 366.7 %



61

Incident Energy (eV)

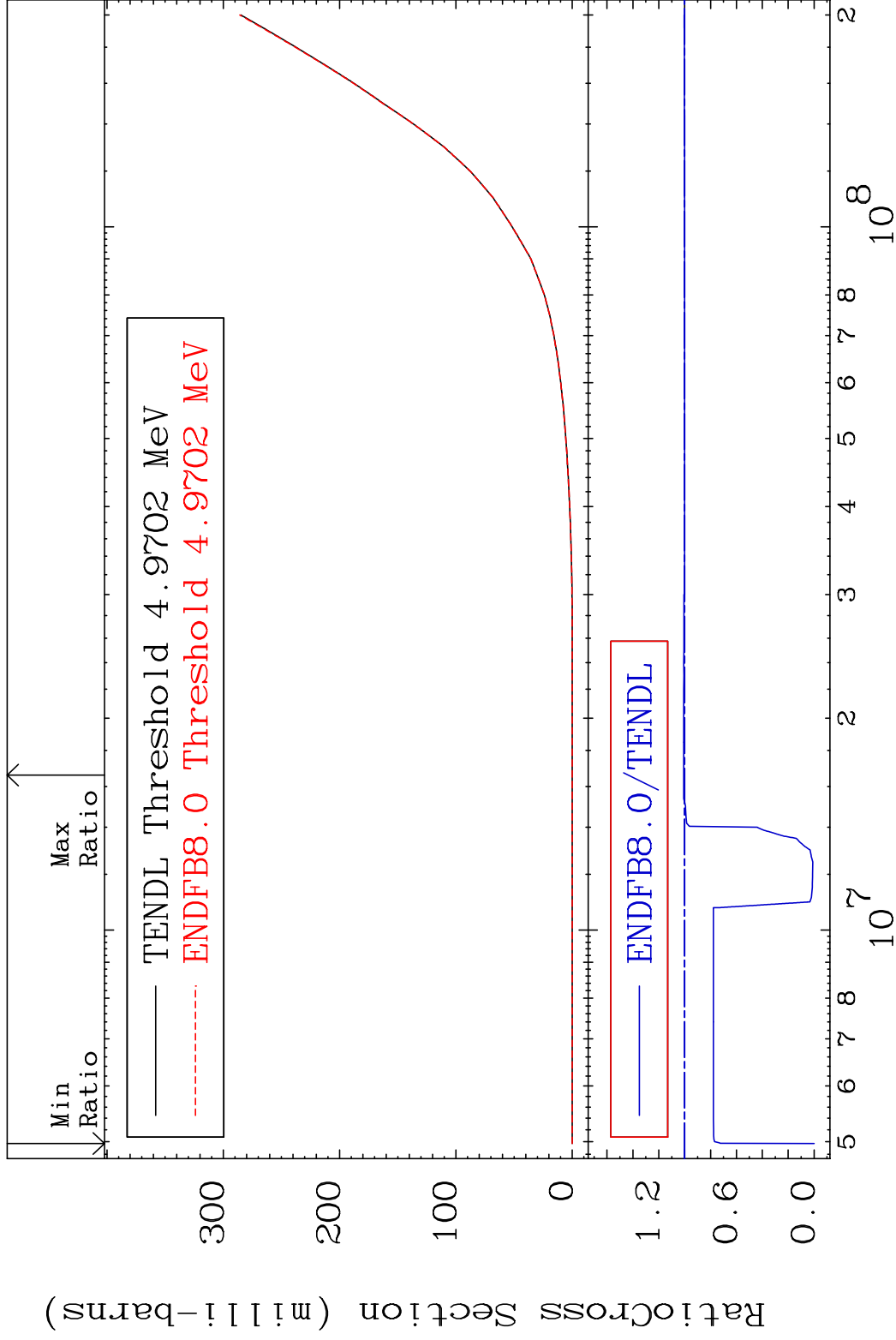
78-Pt-193

MAT 7834

He-3 Production

78-Pt-193

Cross Section -100.0 To 0.770 %



62

Incident Energy (eV)

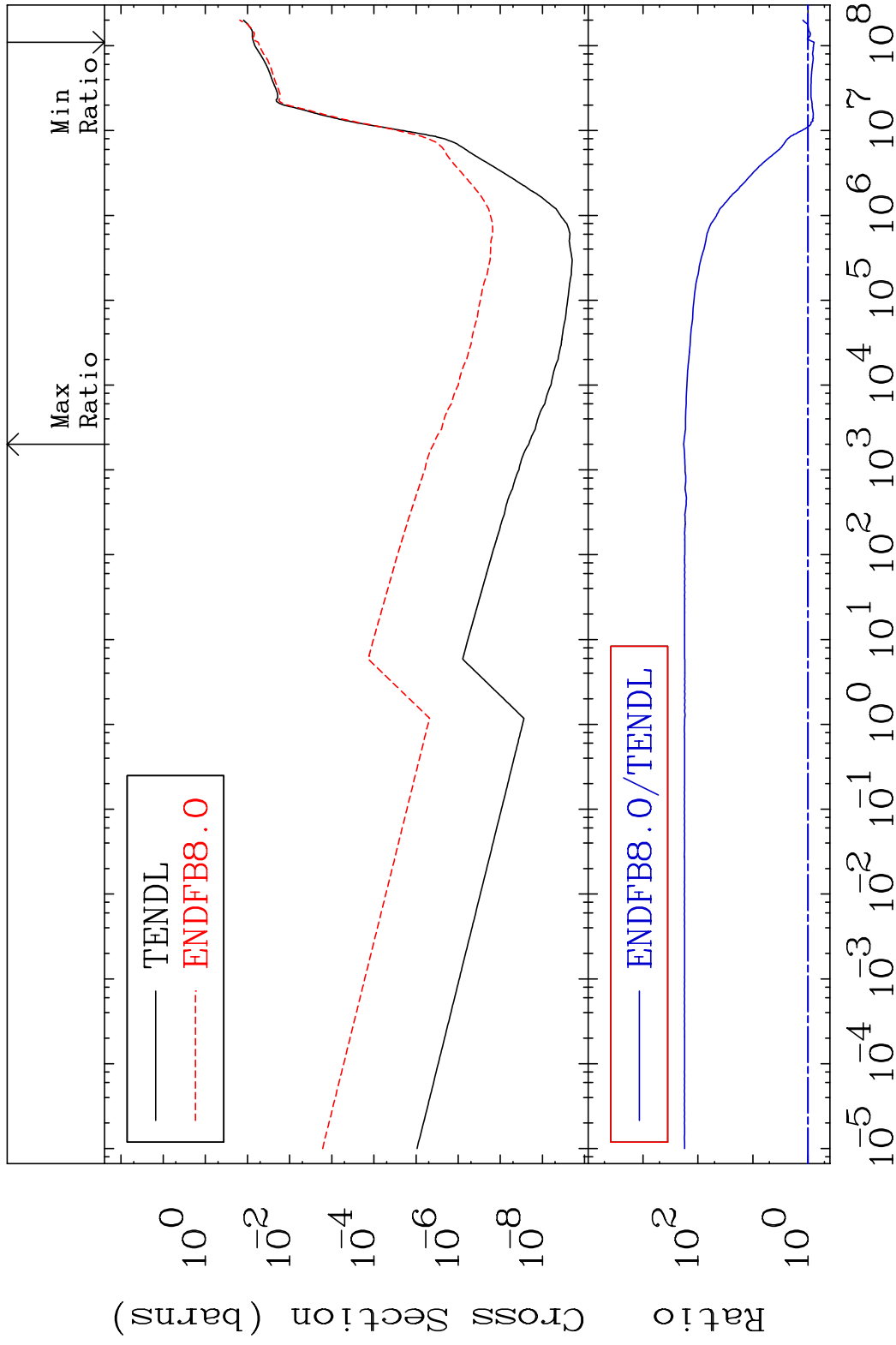
78-Pt-193

MAT 7834

He-4 Production

78-Pt-193

Cross Section -22.95 To 9999. %

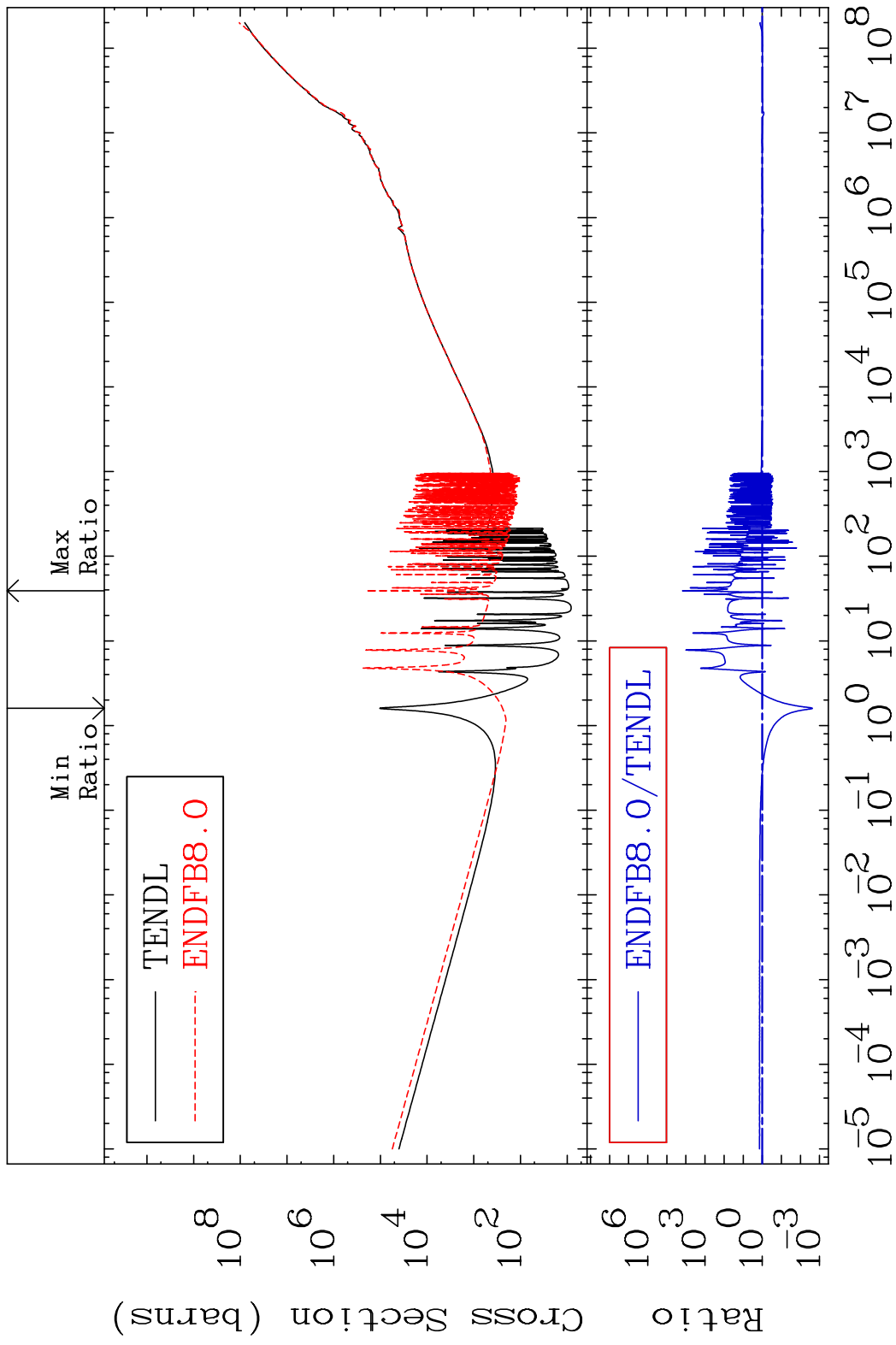


63

Incident Energy (eV)

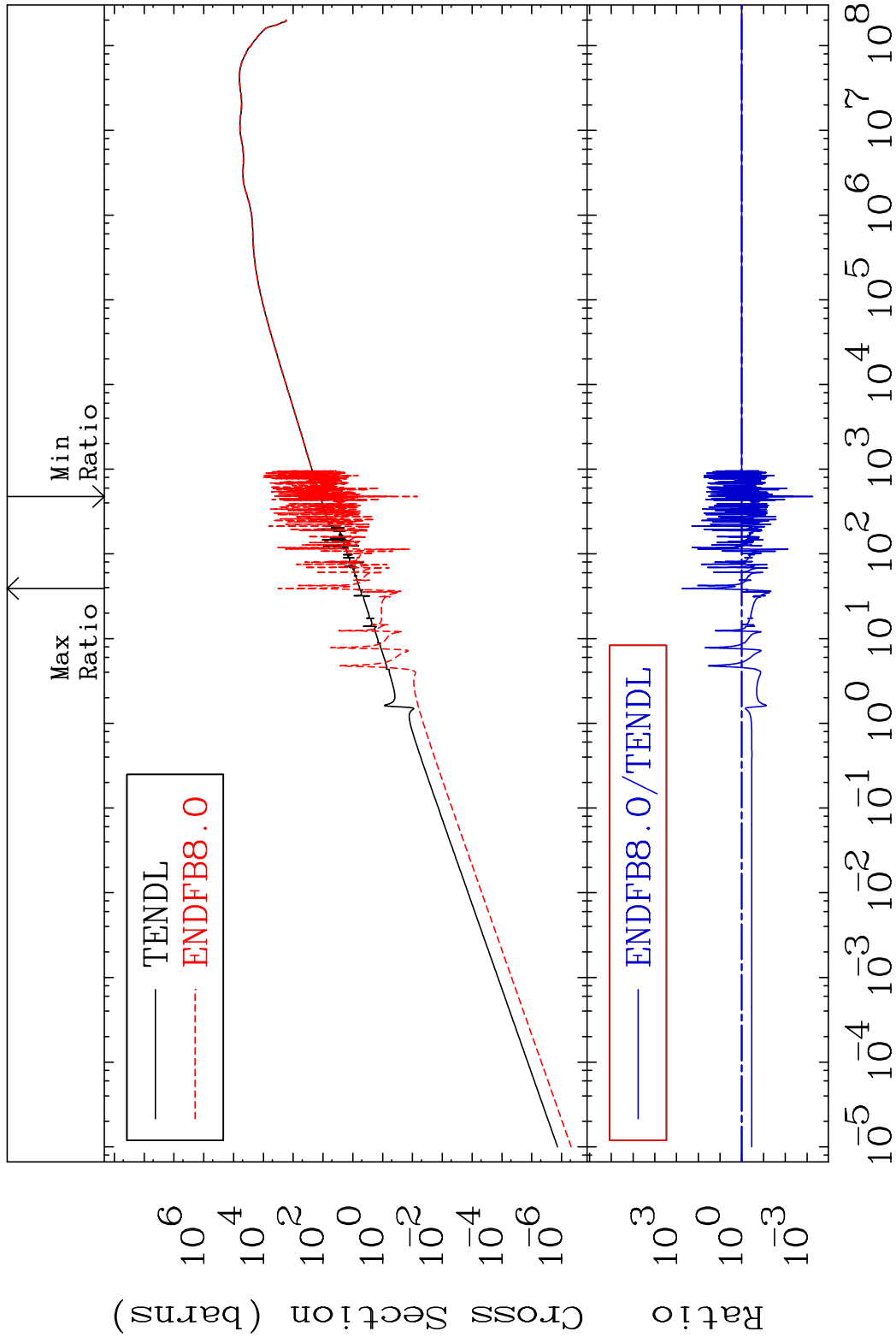
78-Pt-193

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

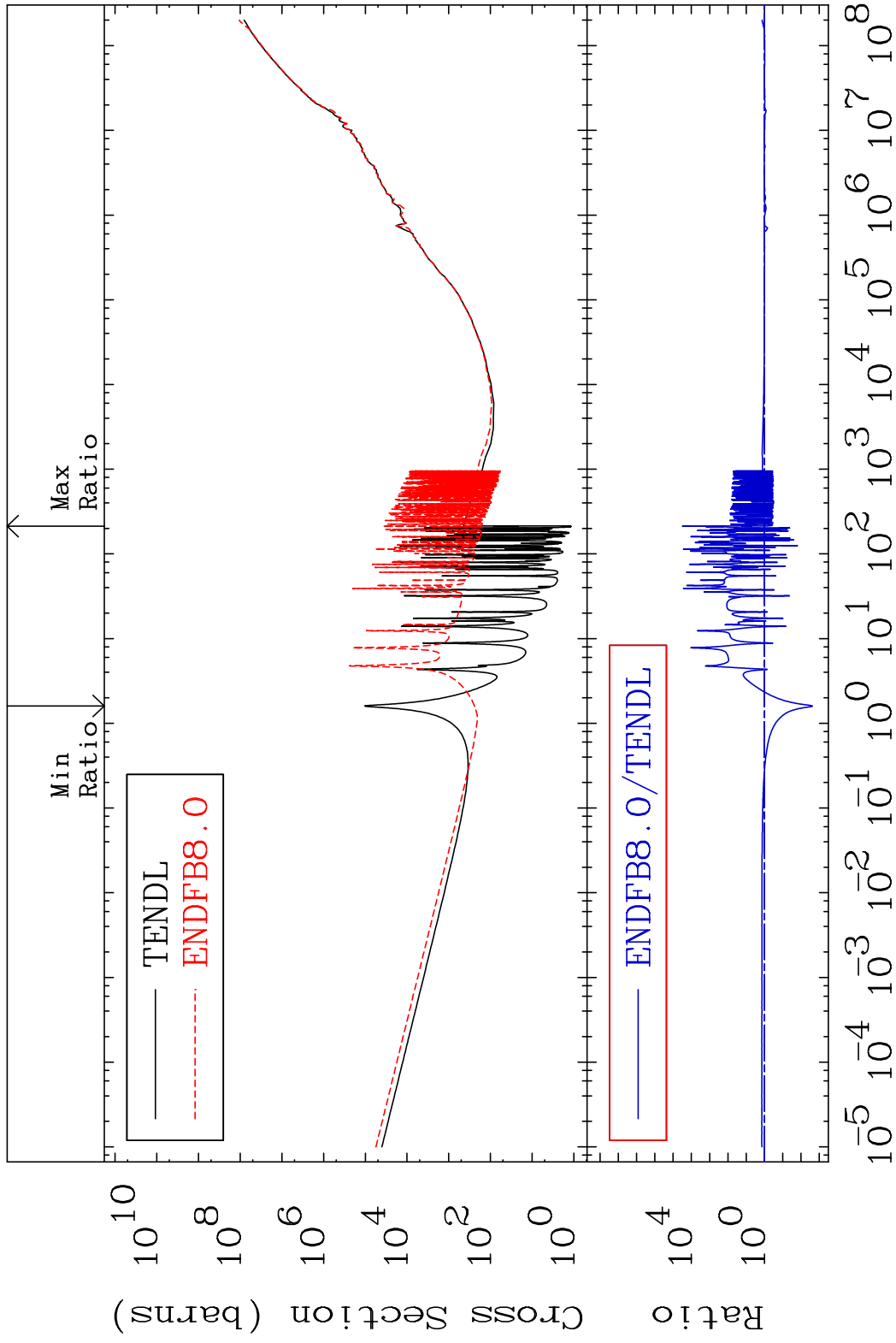


65

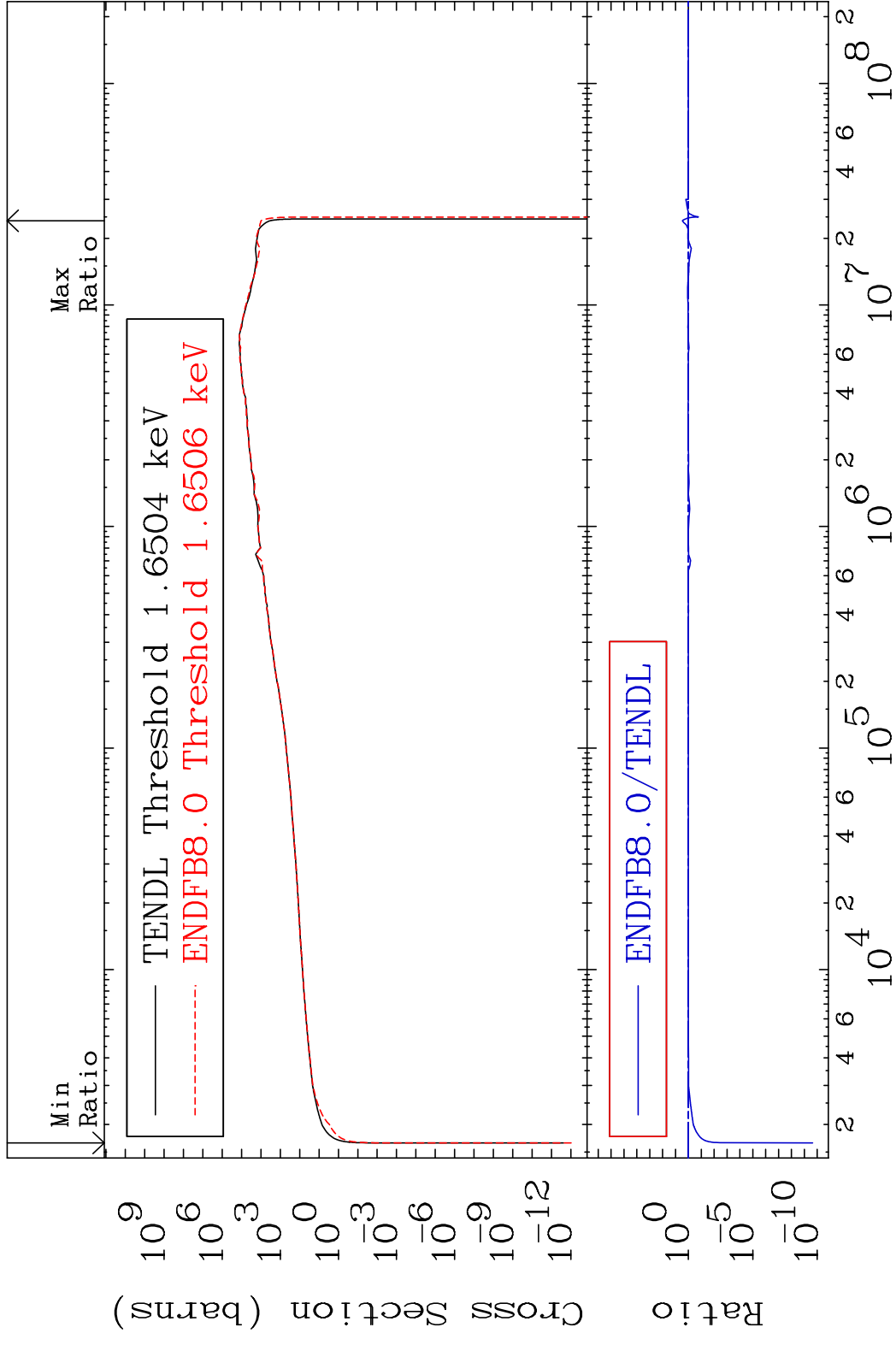
Incident Energy (eV)

78-Pt-193

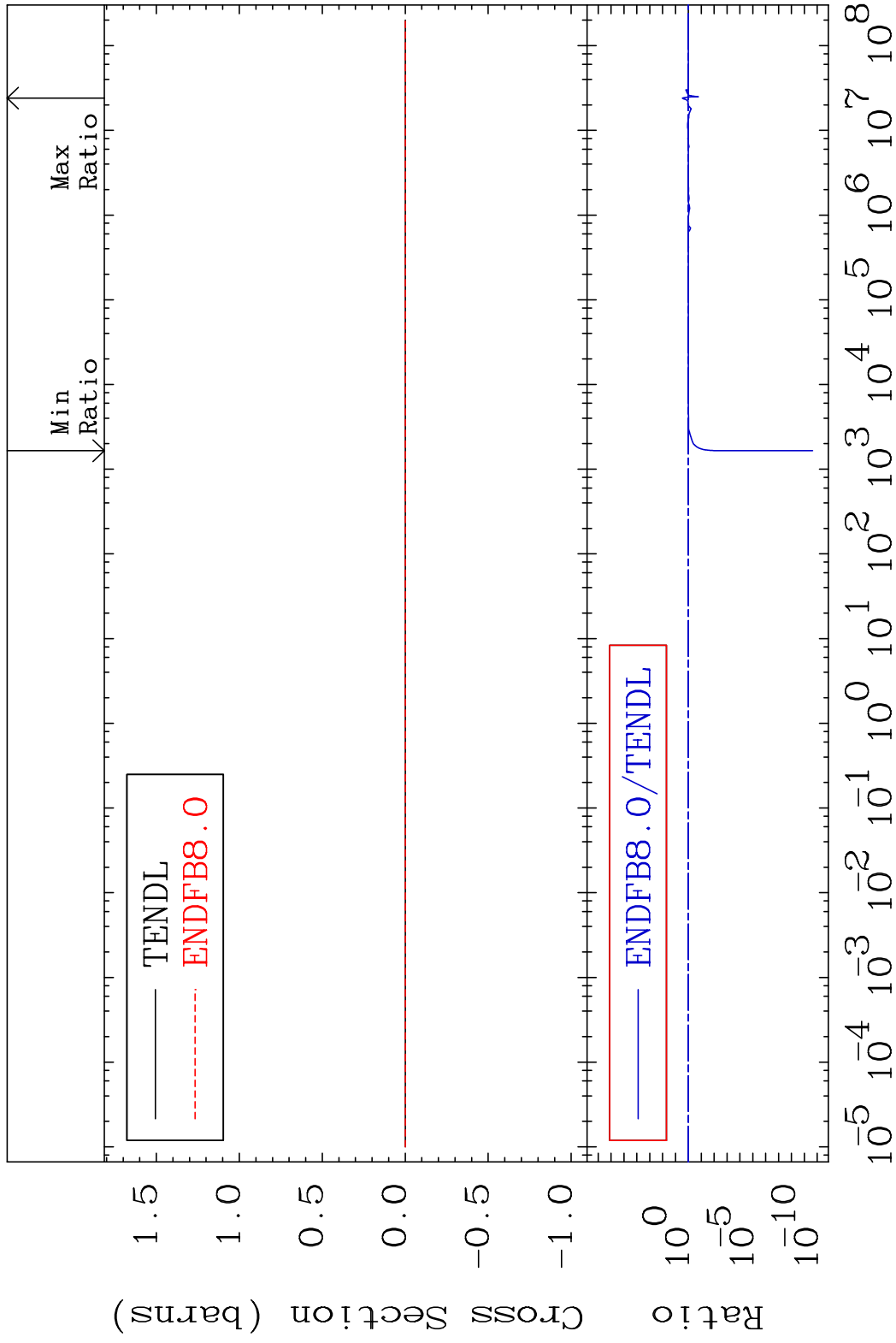
MAT 7834 Kerma non-elastic (all but mt2) 78-Pt-193
 Cross Section -99.77 To 9999. %

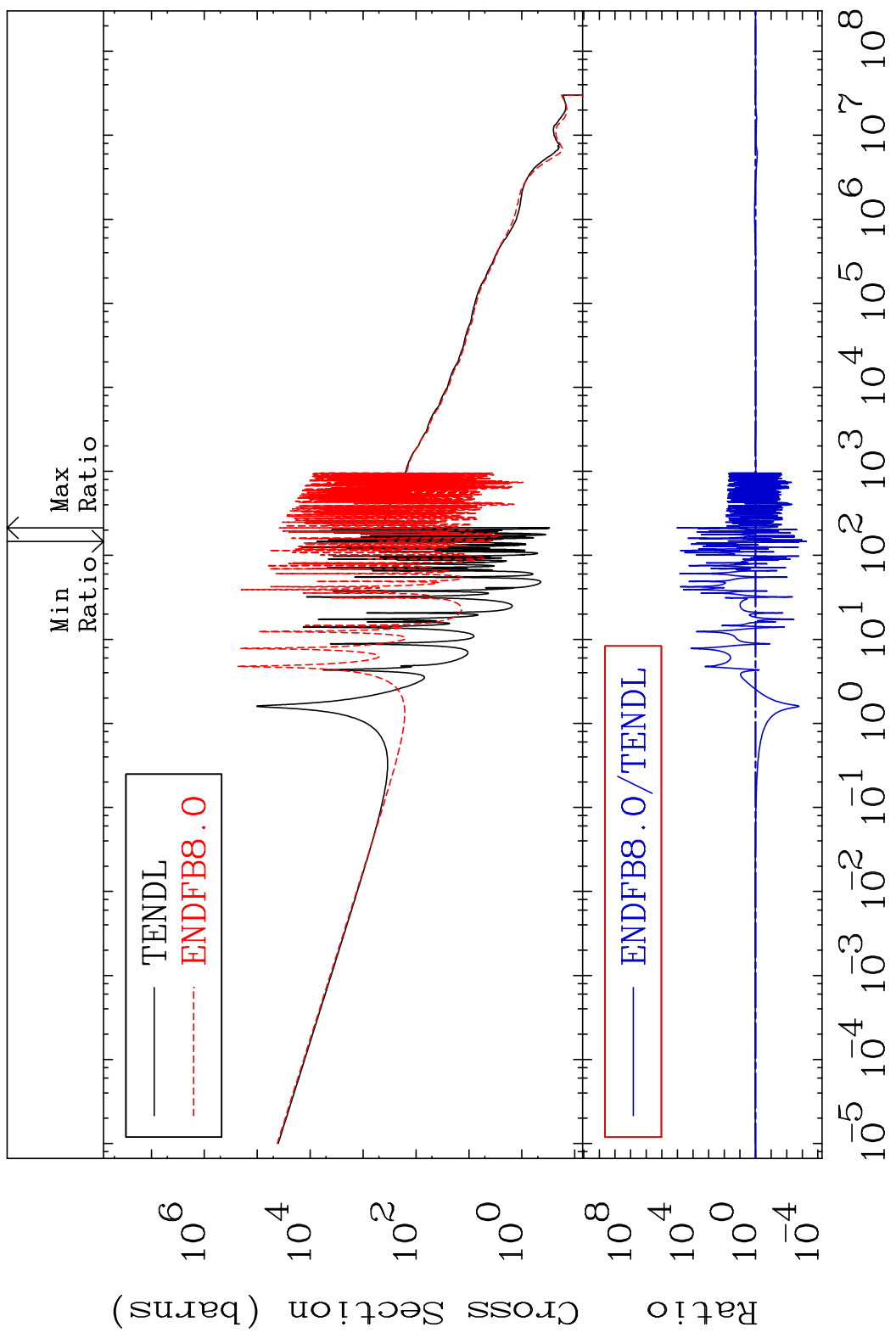


MAT 7834 Kerma inelastic (mt51-91) 78-Pt-193
 Cross Section -100.0 To 192.5 %

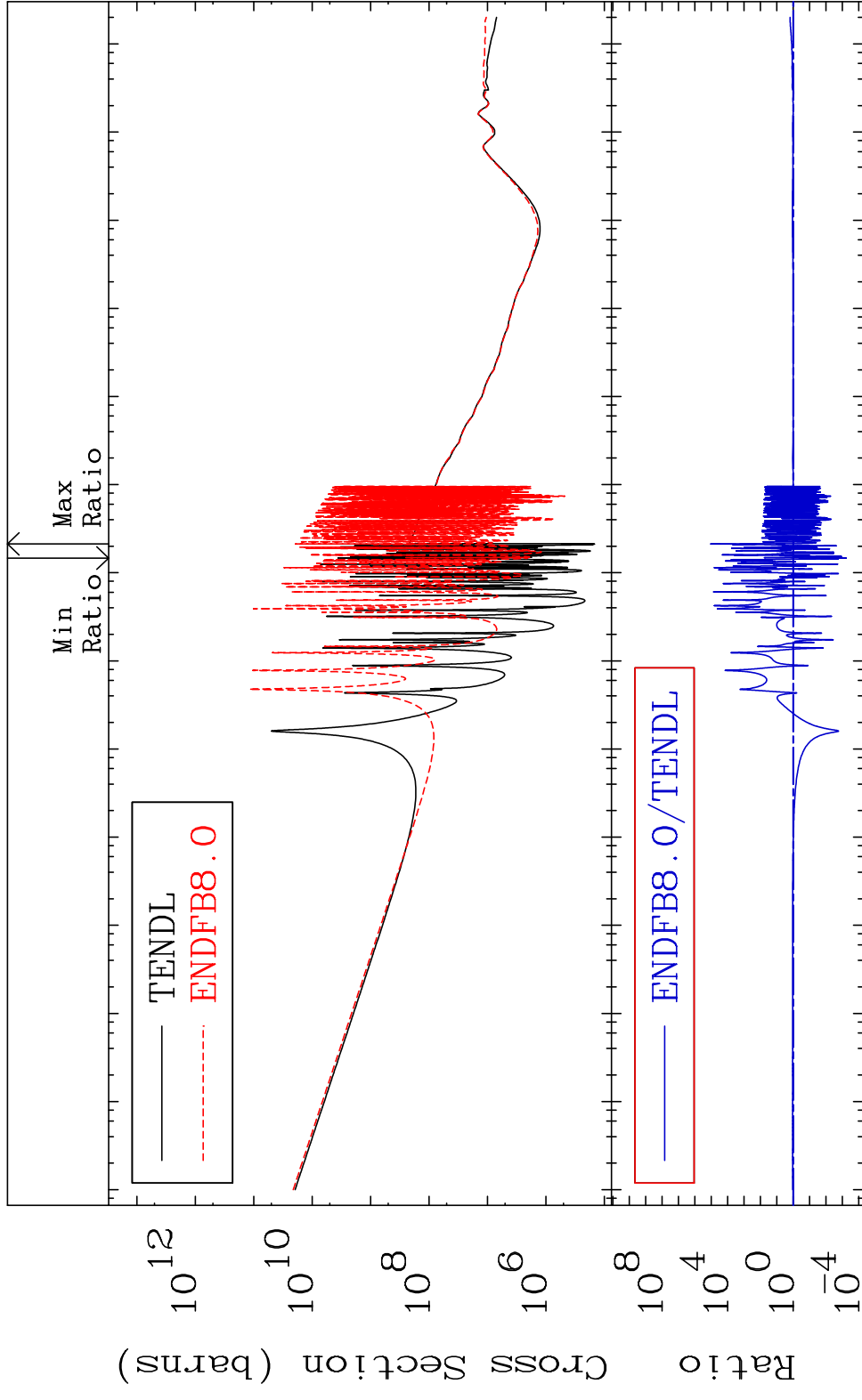


MAT 7834 Kerma fission (mt18 or mt19-20-21-38)78-Pt-193
 Cross Section -100.0 To 192.5 %



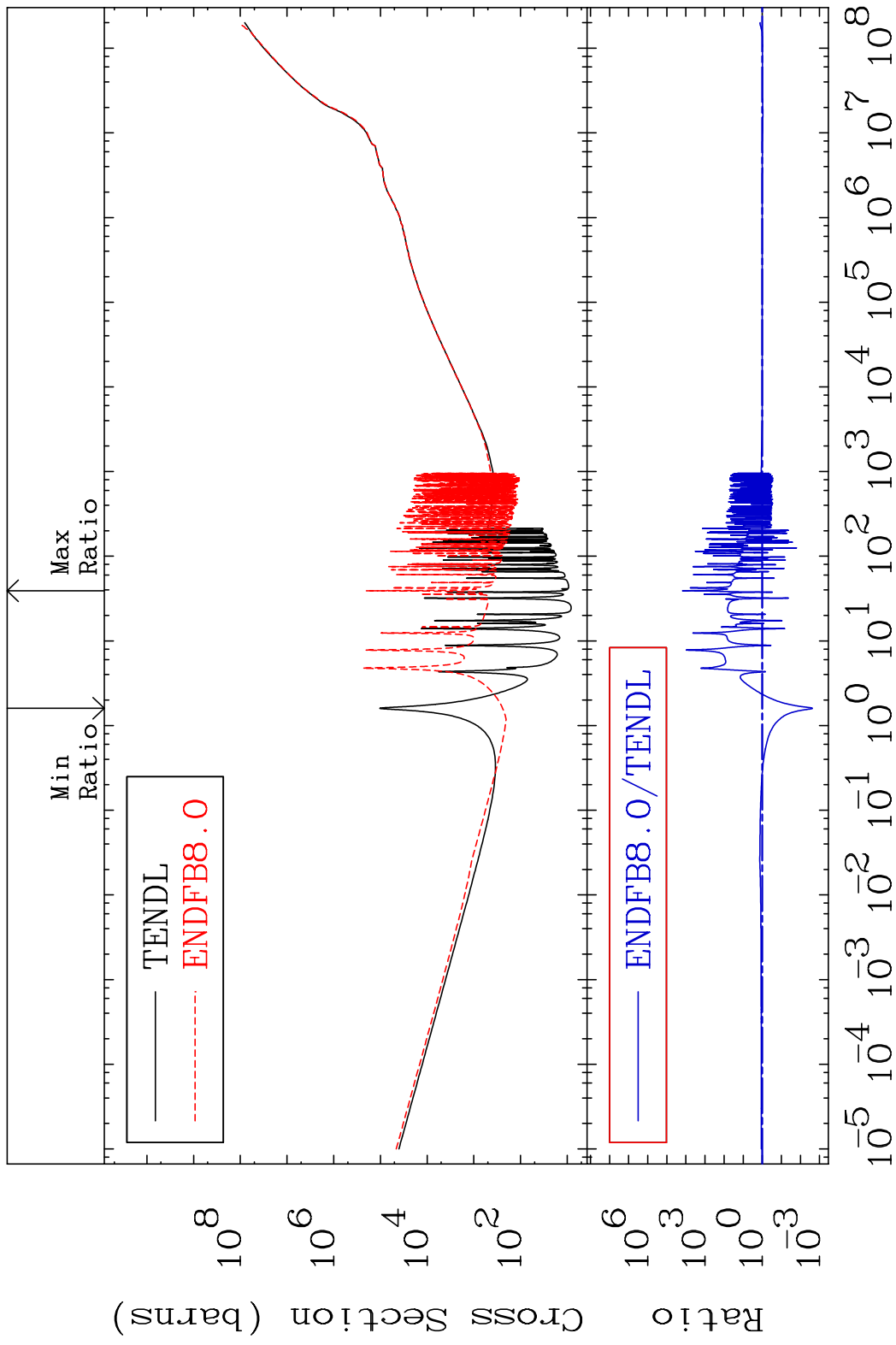


MAT 7834 Total photon (eV-barns) 78-Pt-193
 Cross Section -99.94 To 9999. %



70 Incident Energy (eV) 78-Pt-193

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

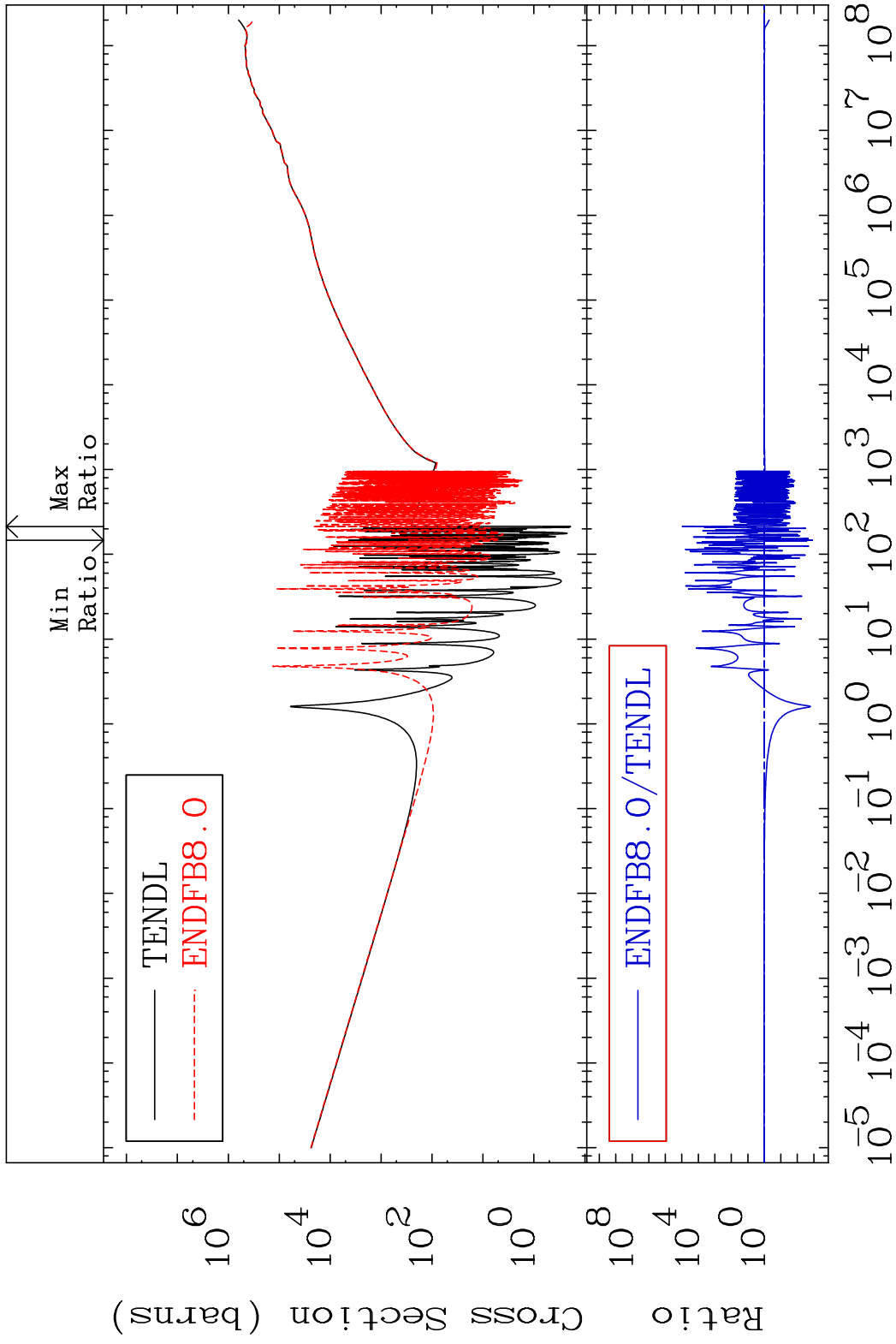


MAT 7834

Dpa total (eV-barns)

78-Pt-193

Cross Section -99.88 To 9999. %



72

Incident Energy (eV)

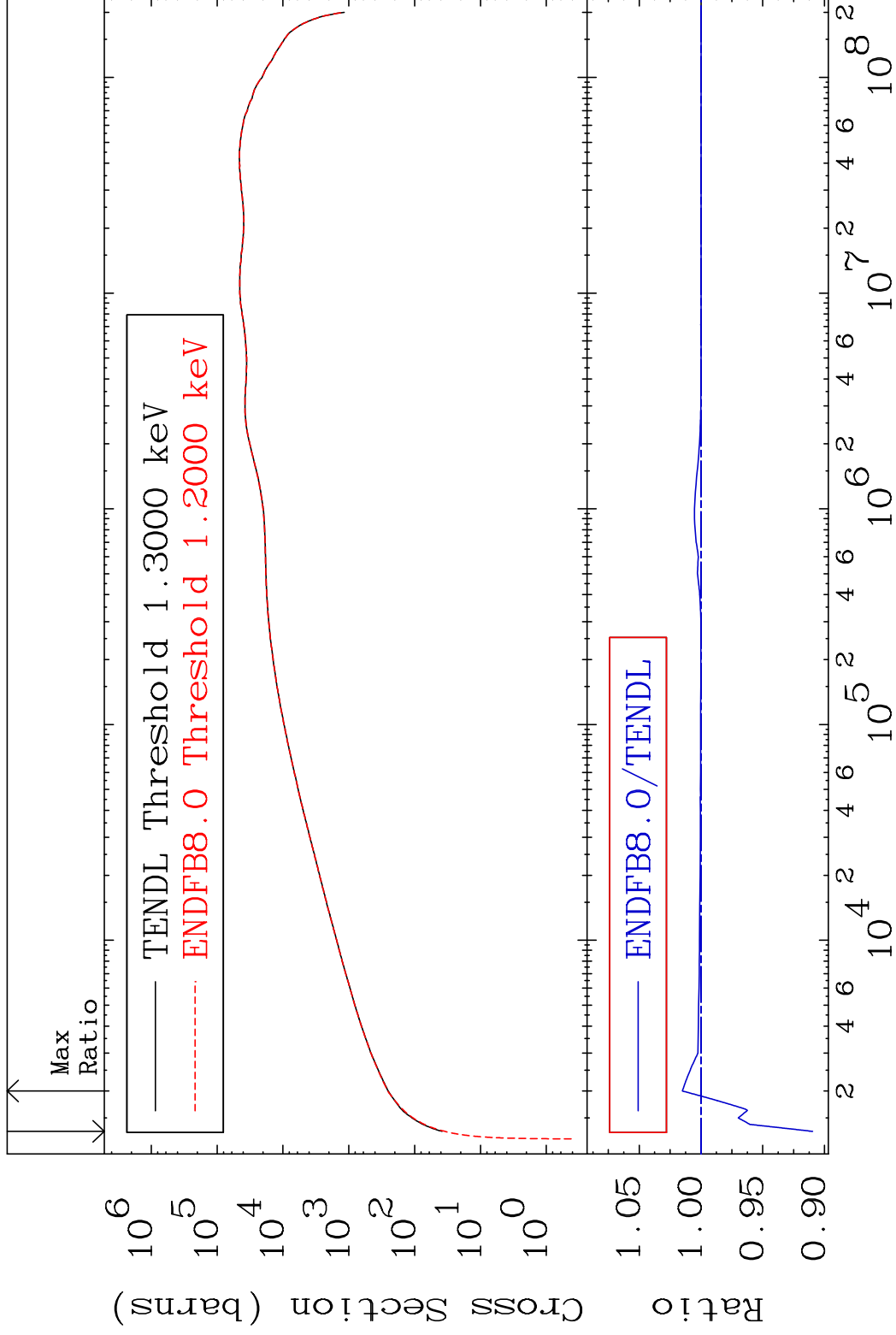
78-Pt-193

MAT 7834

Dpa elastic (mt2)

78-Pt-193

Cross Section -9.031 To 1.508 %

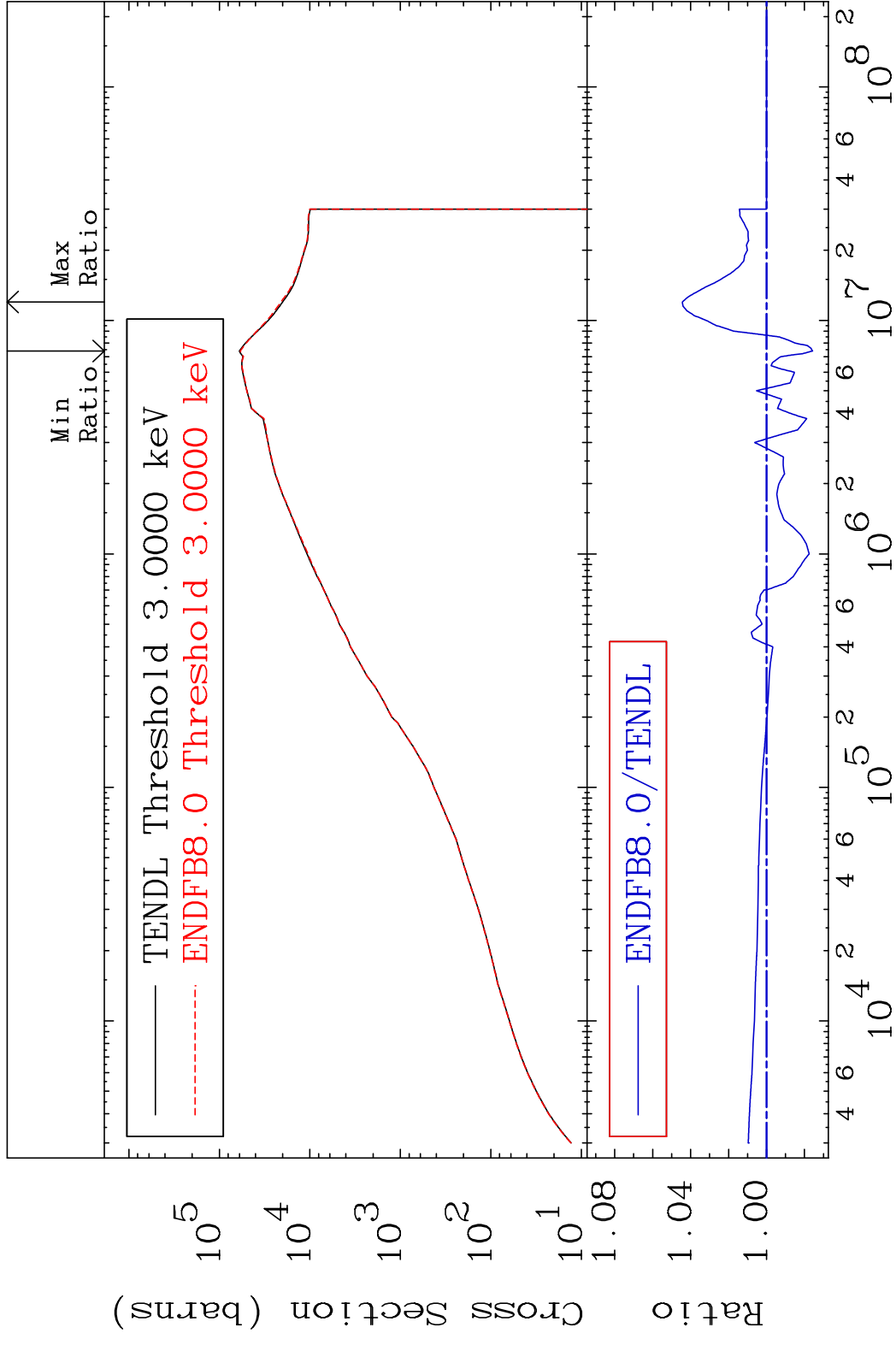


73

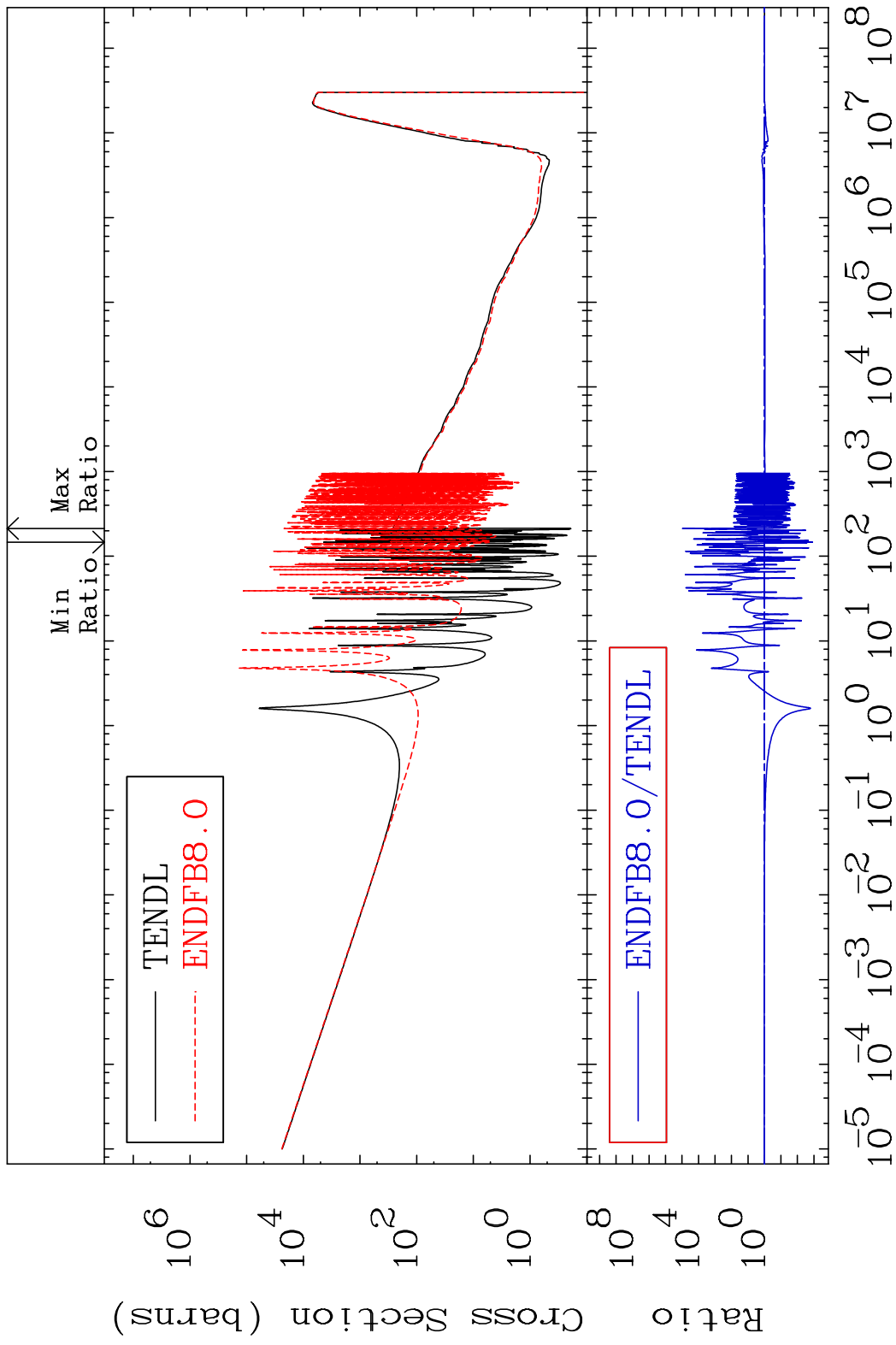
Incident Energy (eV)

78-Pt-193

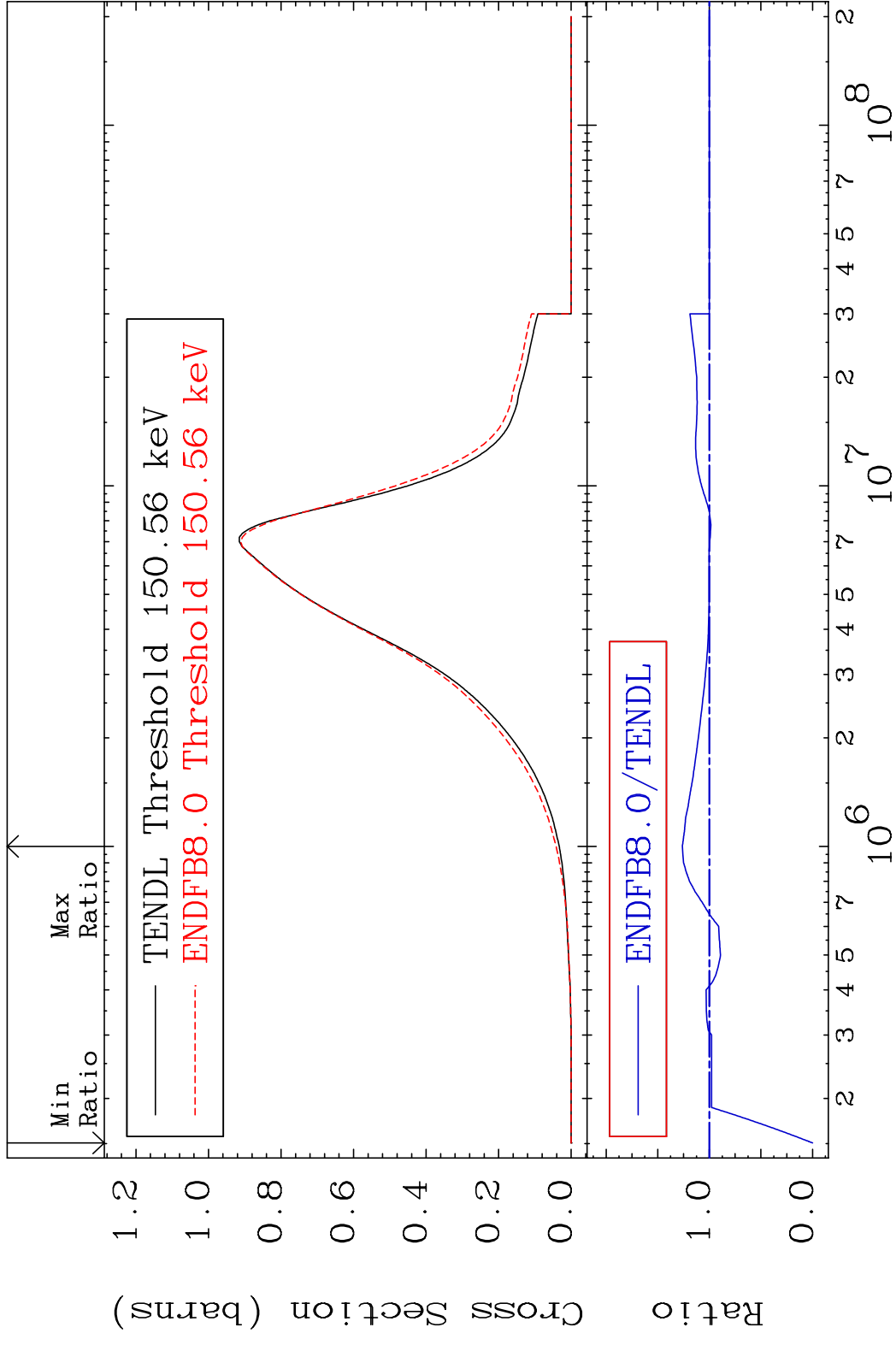
MAT 7834 Dpa inelastic (mt51-91) 78-Pt-193
 Cross Section -2.425 To 4.435 %



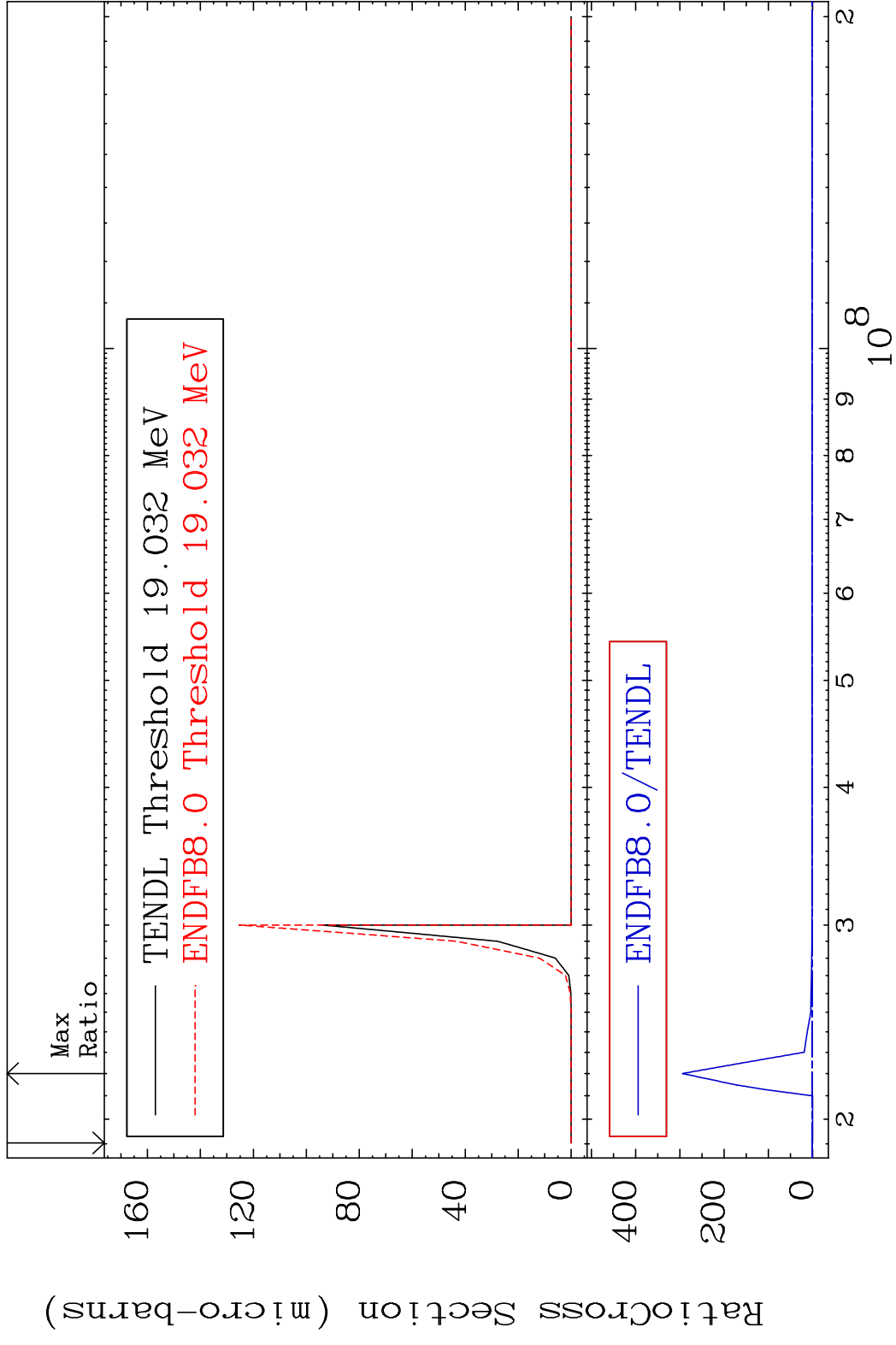
MAT 7834 Dpa disappearance (mt102 -120) 78-Pt-193
 Cross Section -99.88 To 9999. %

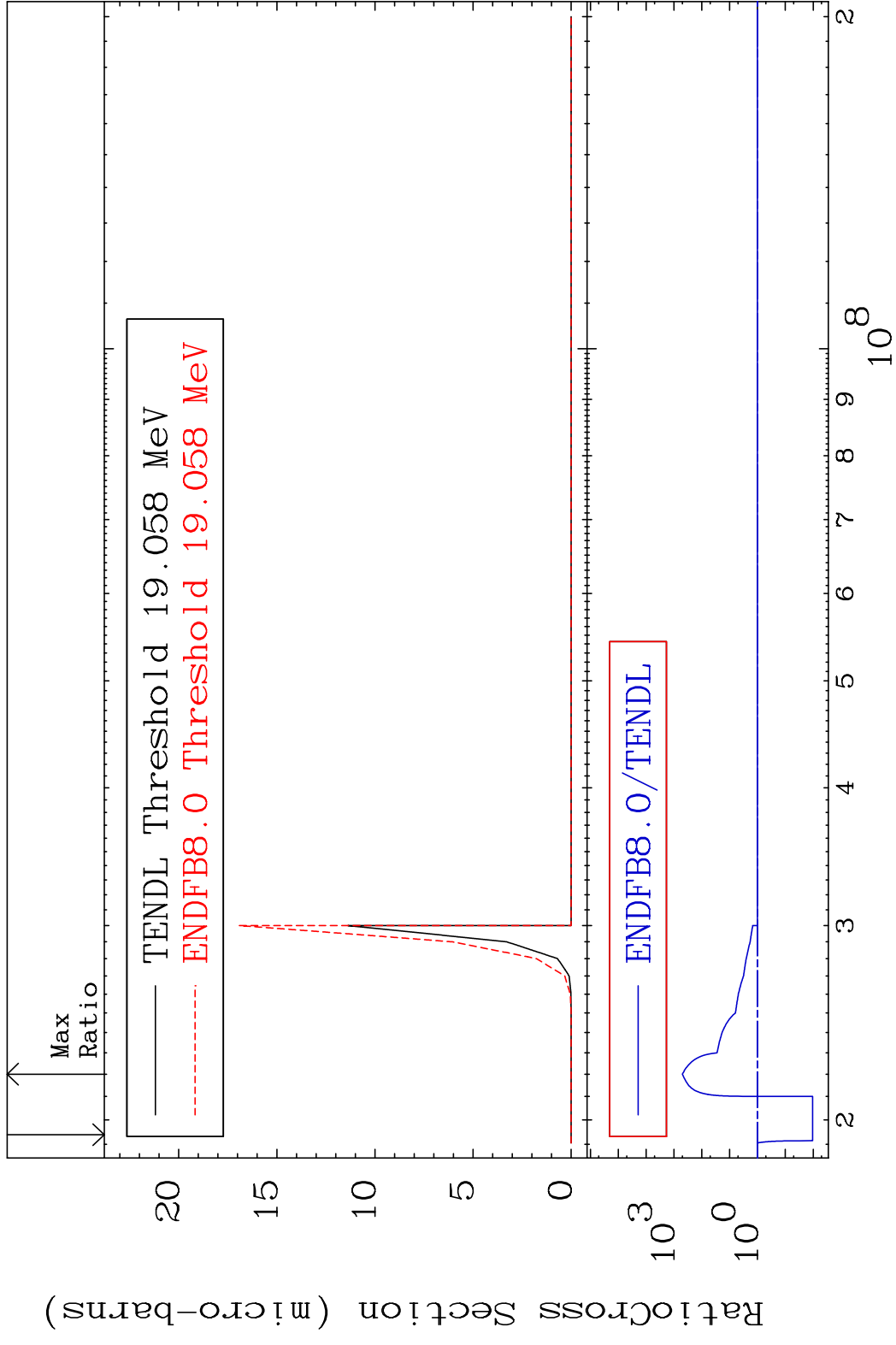


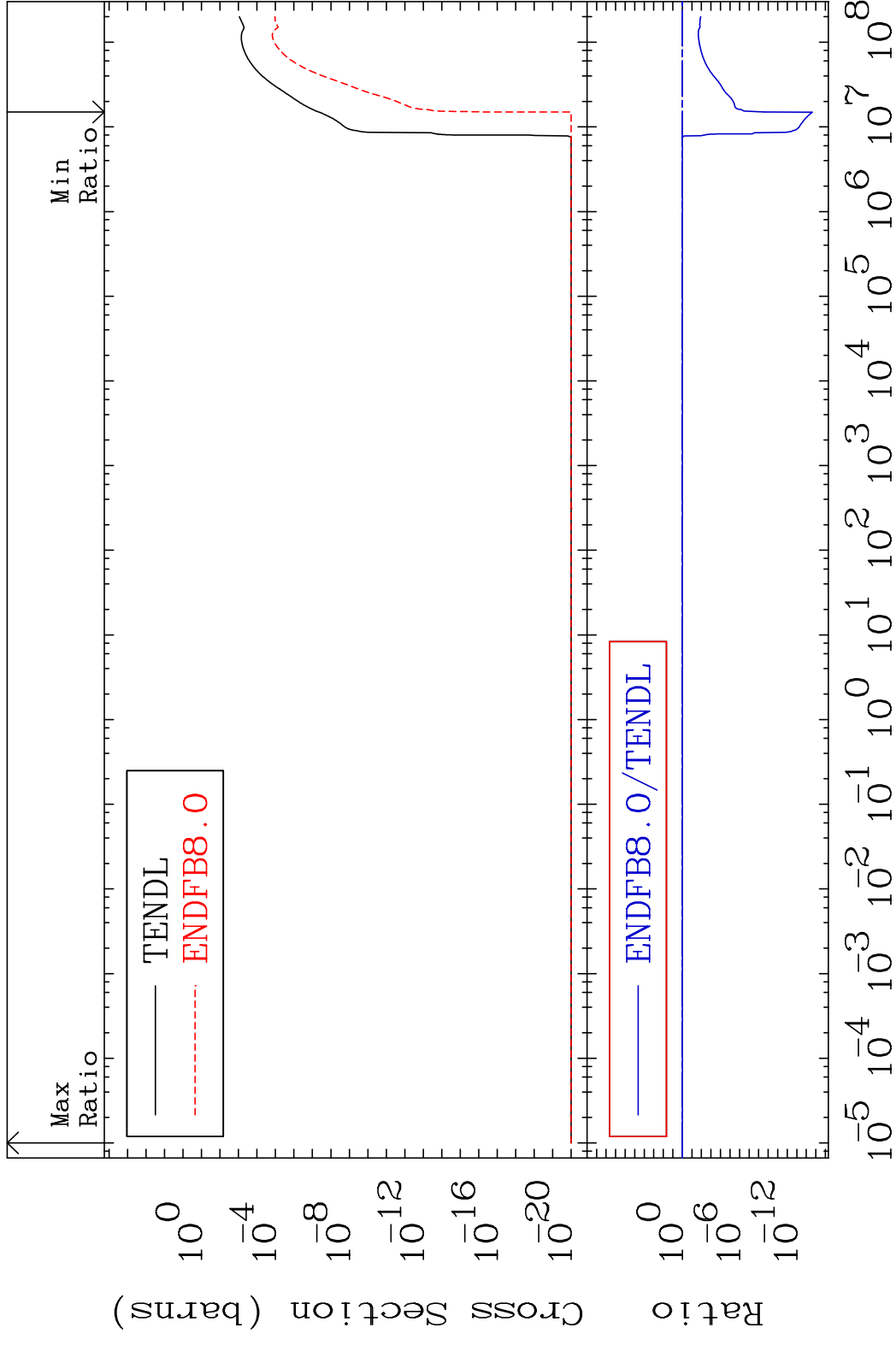
75 Incident Energy (eV) 78-Pt-193

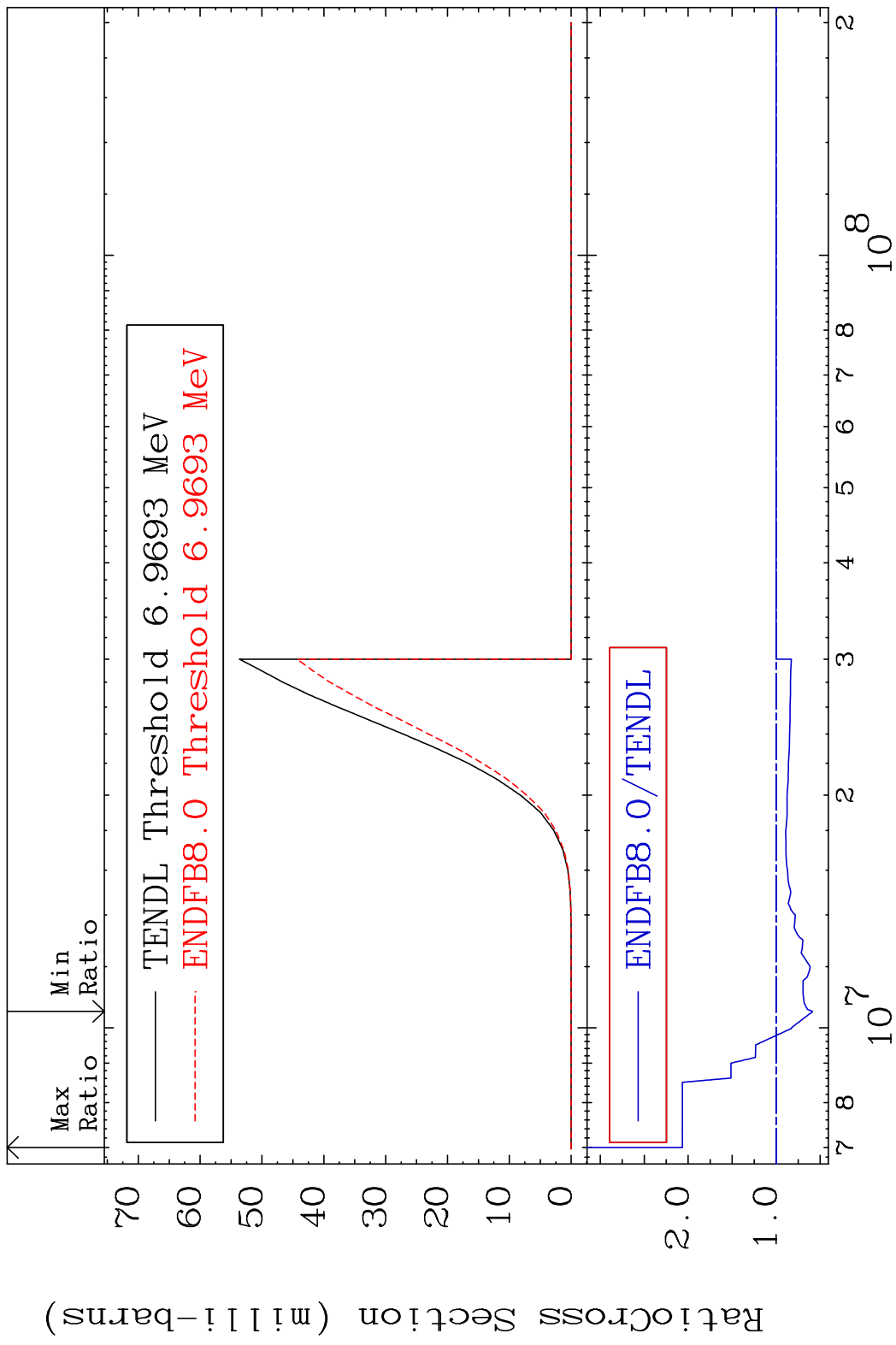


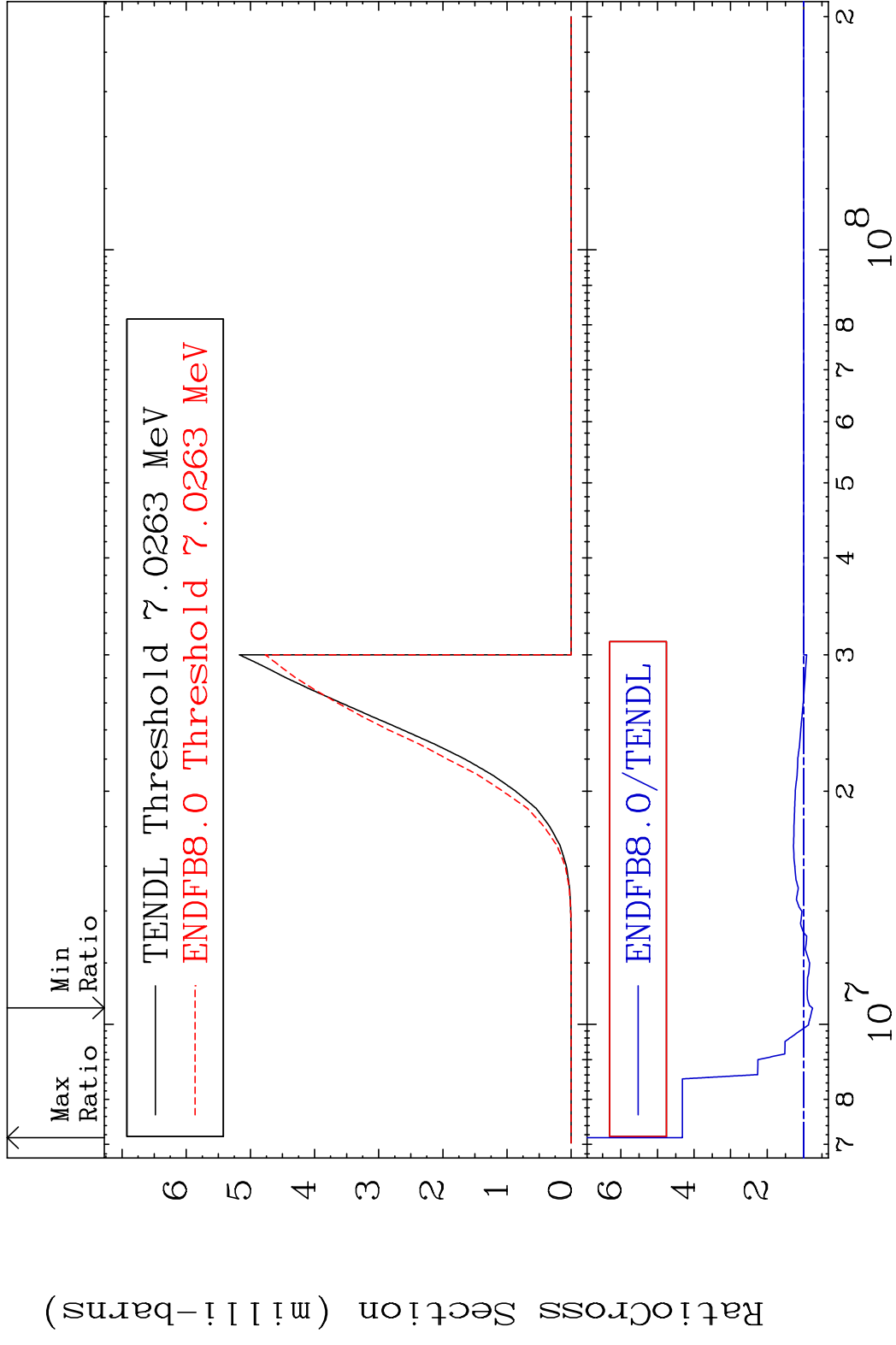
MAT 7834 (n,2n) d:77-Ir-190g 78-Pt-193
 Radionuclide Production Cross Section to 9999. %

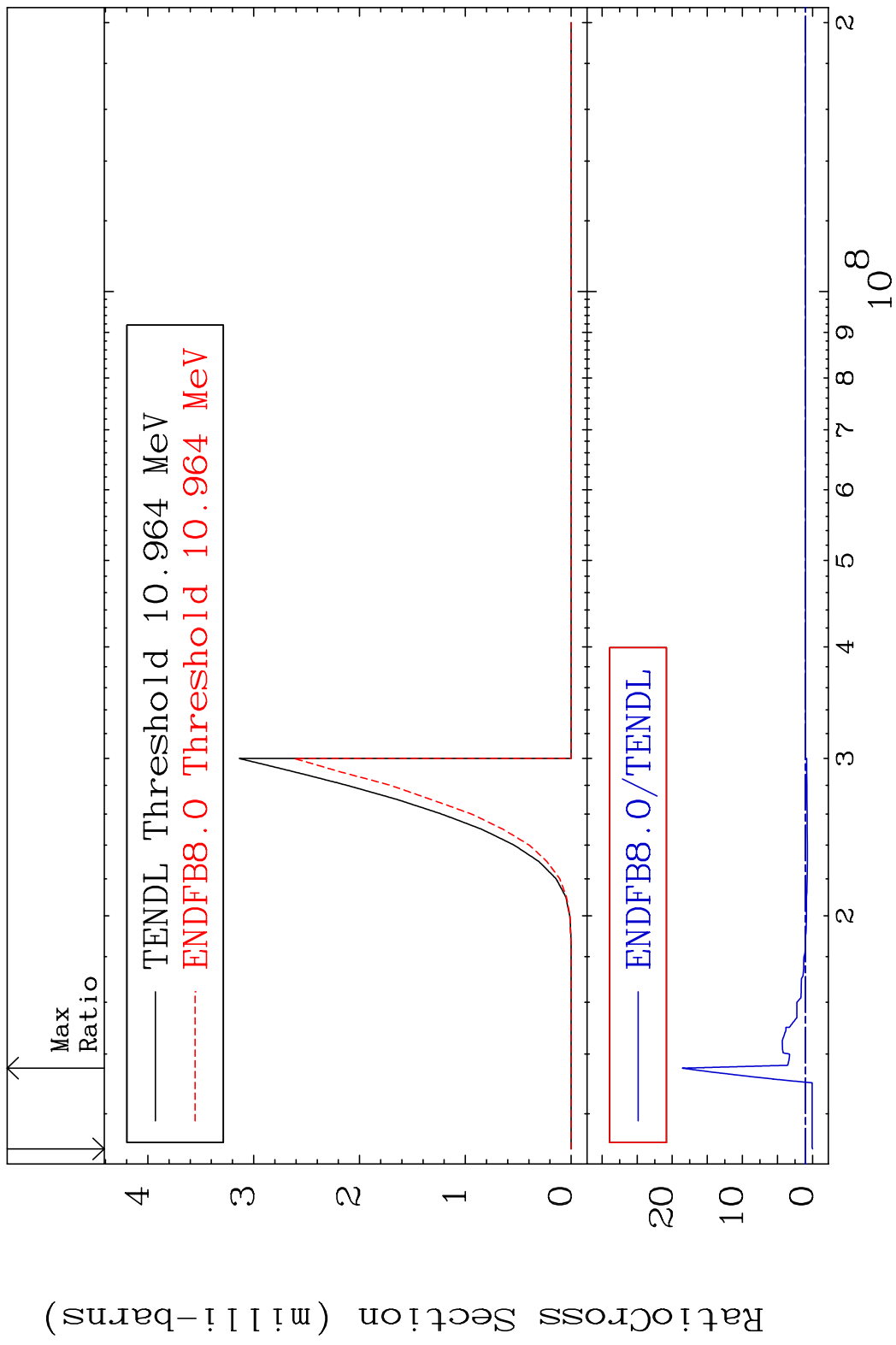


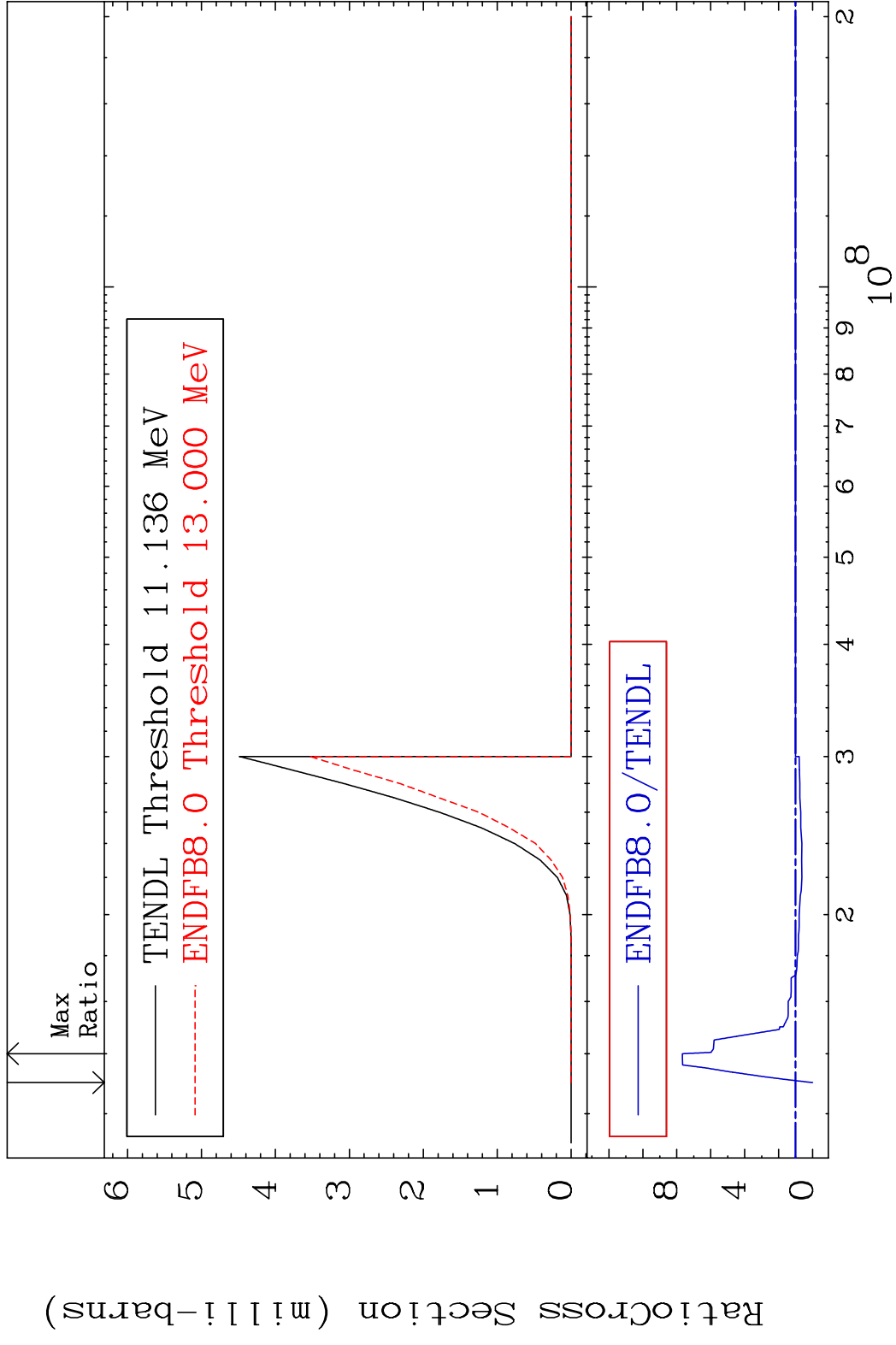




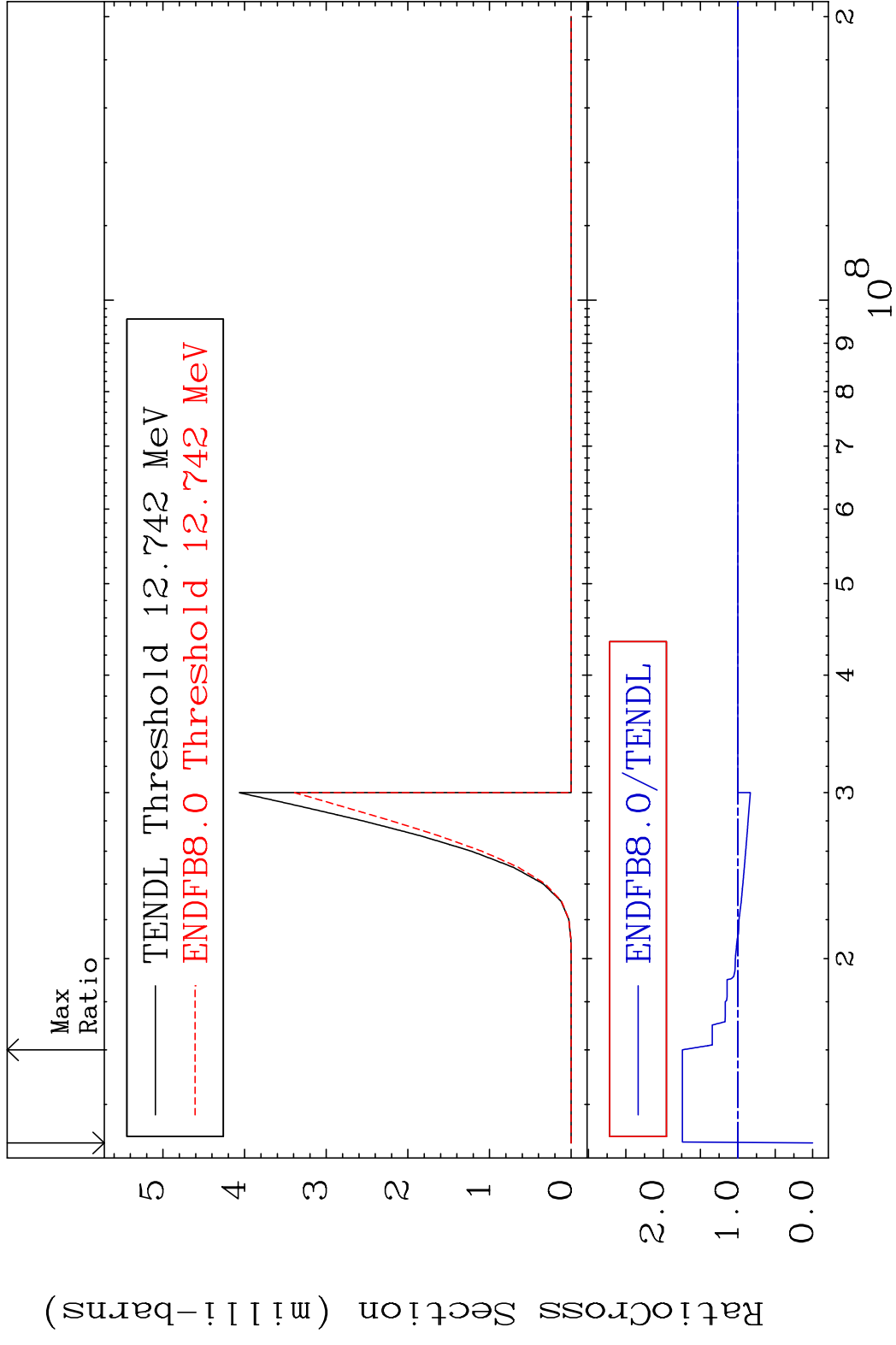


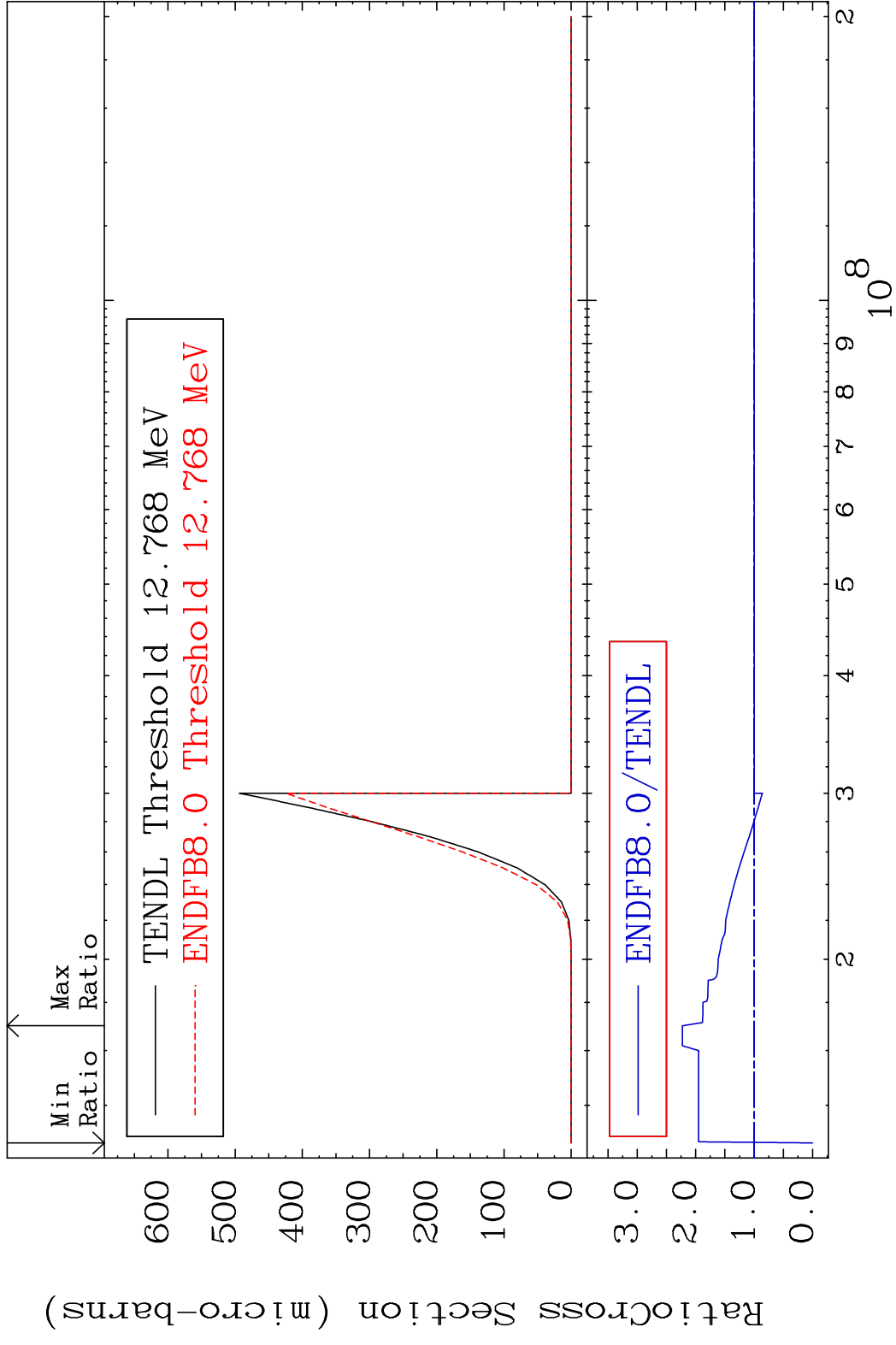


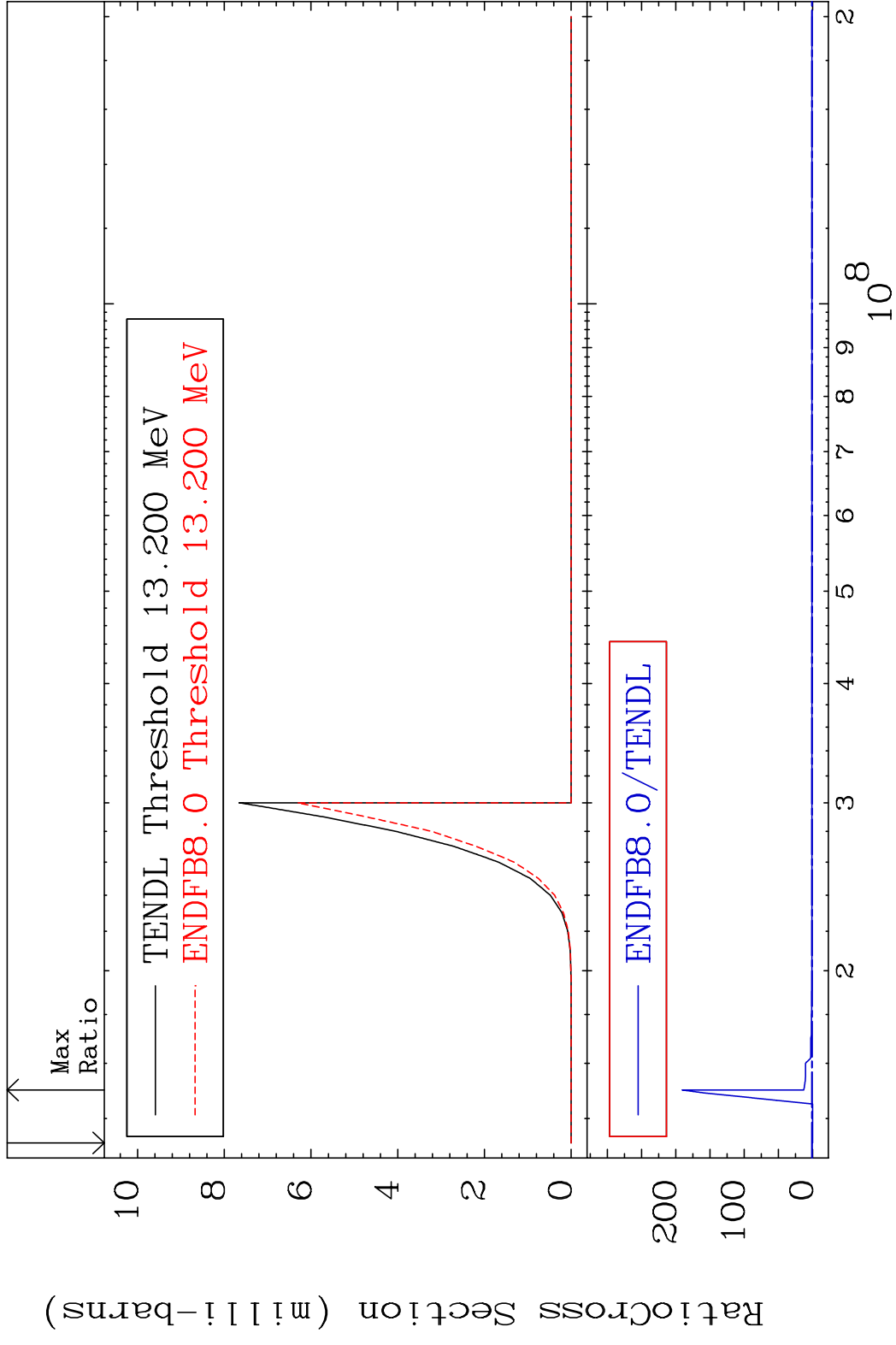


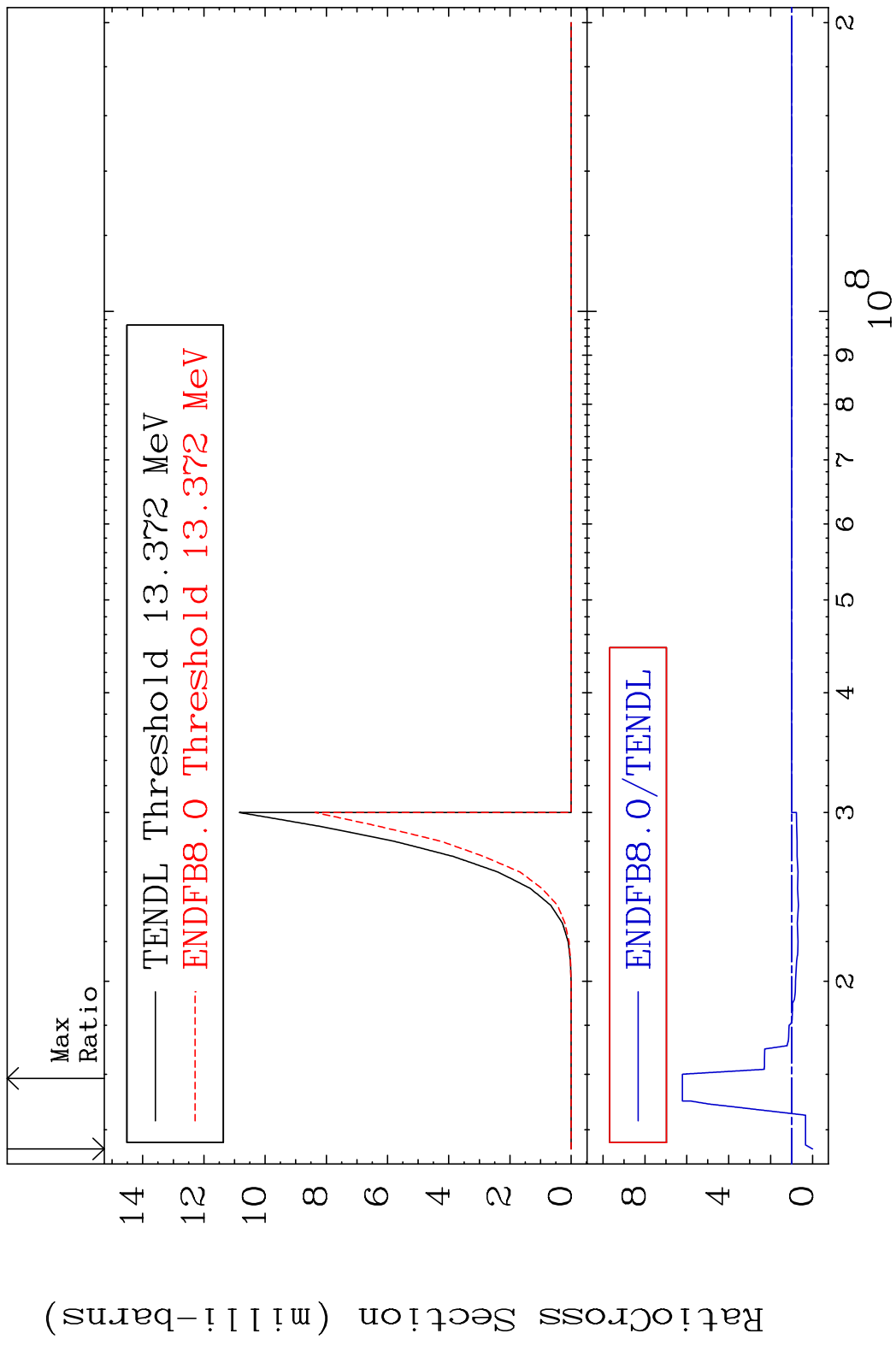


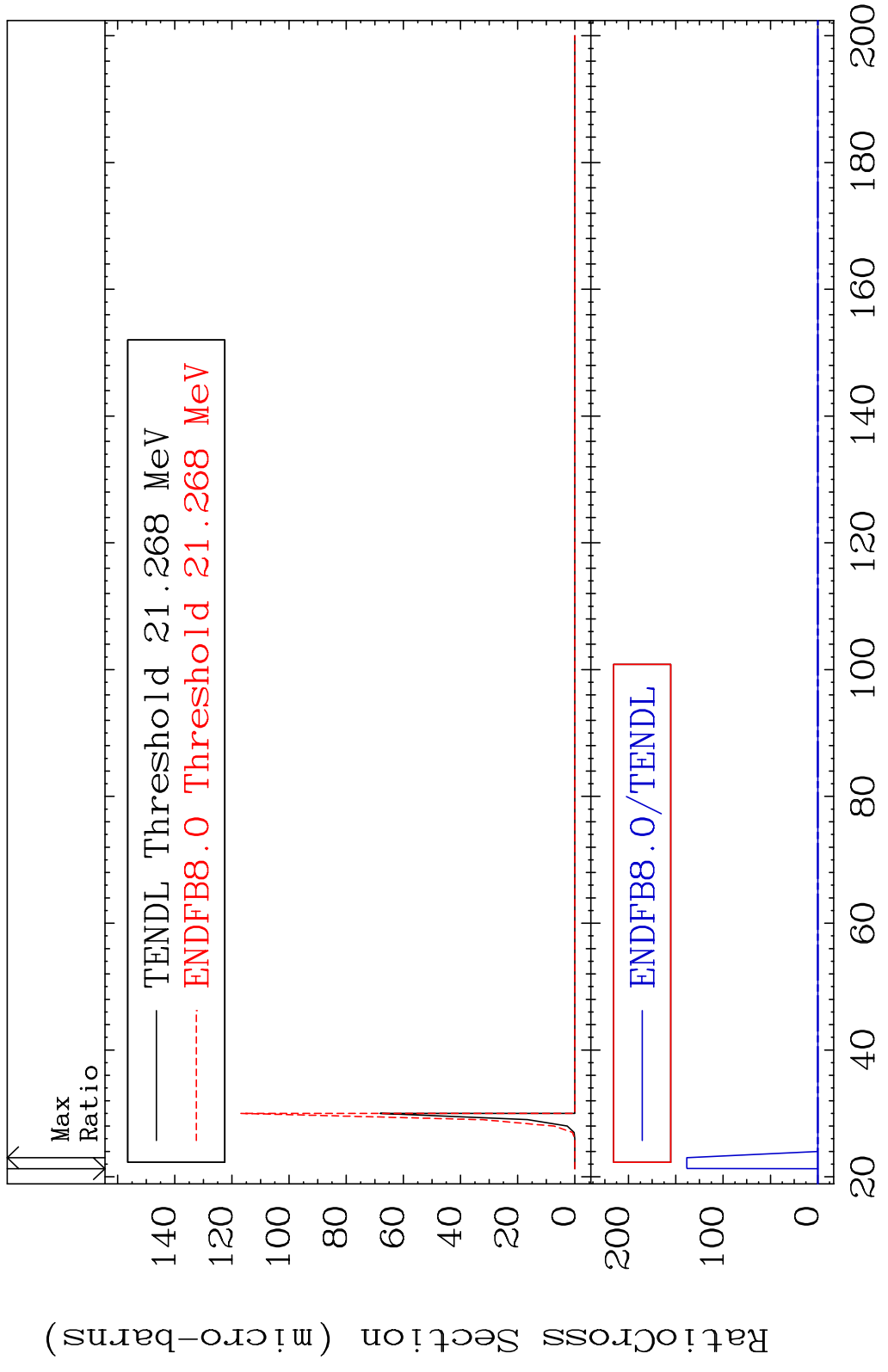
MAT 7834 (n, n') t:77-Ir-190g 78-Pt-193
 Radionuclide Production Cross Section Ratio 74.26 %

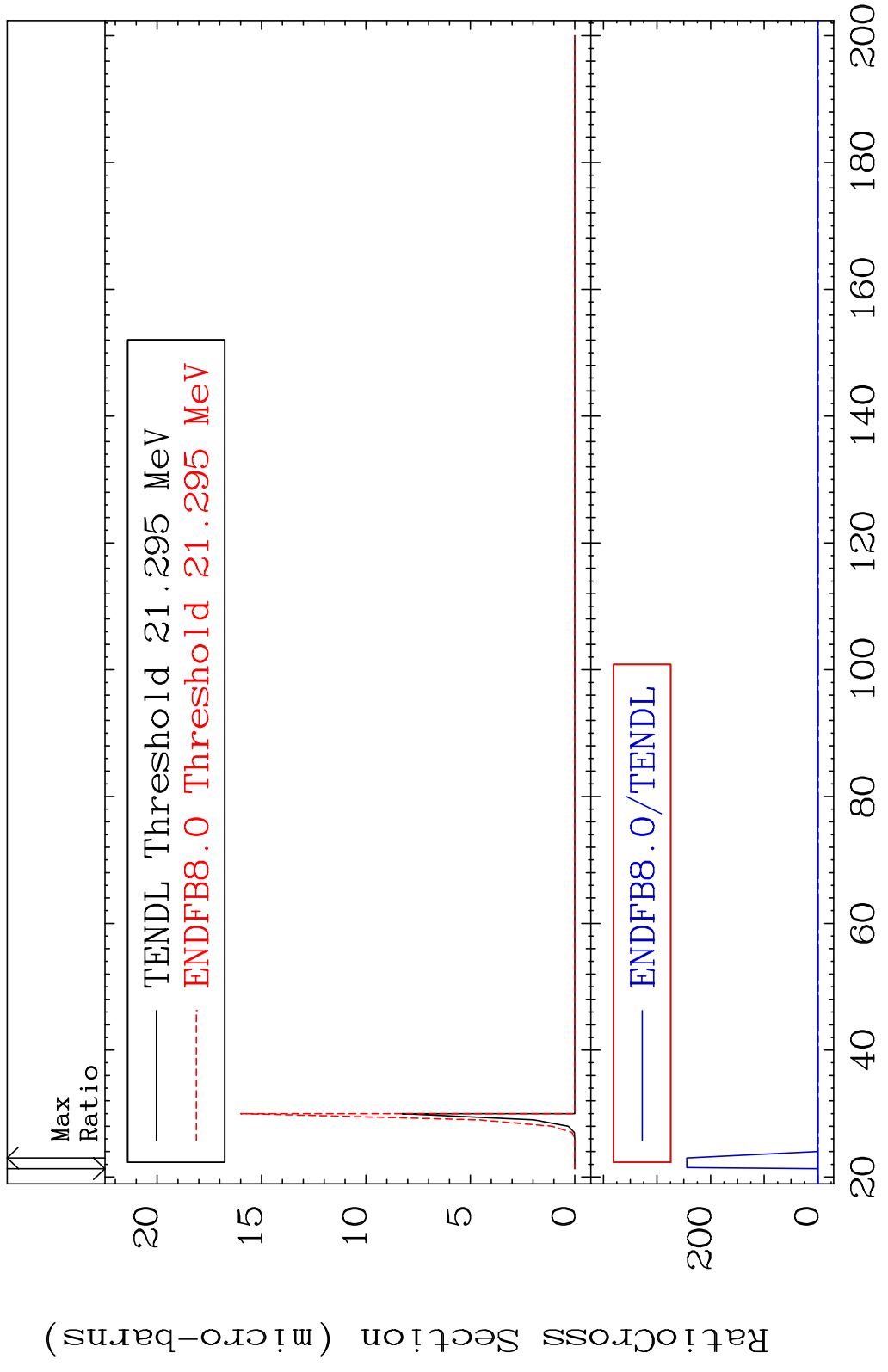


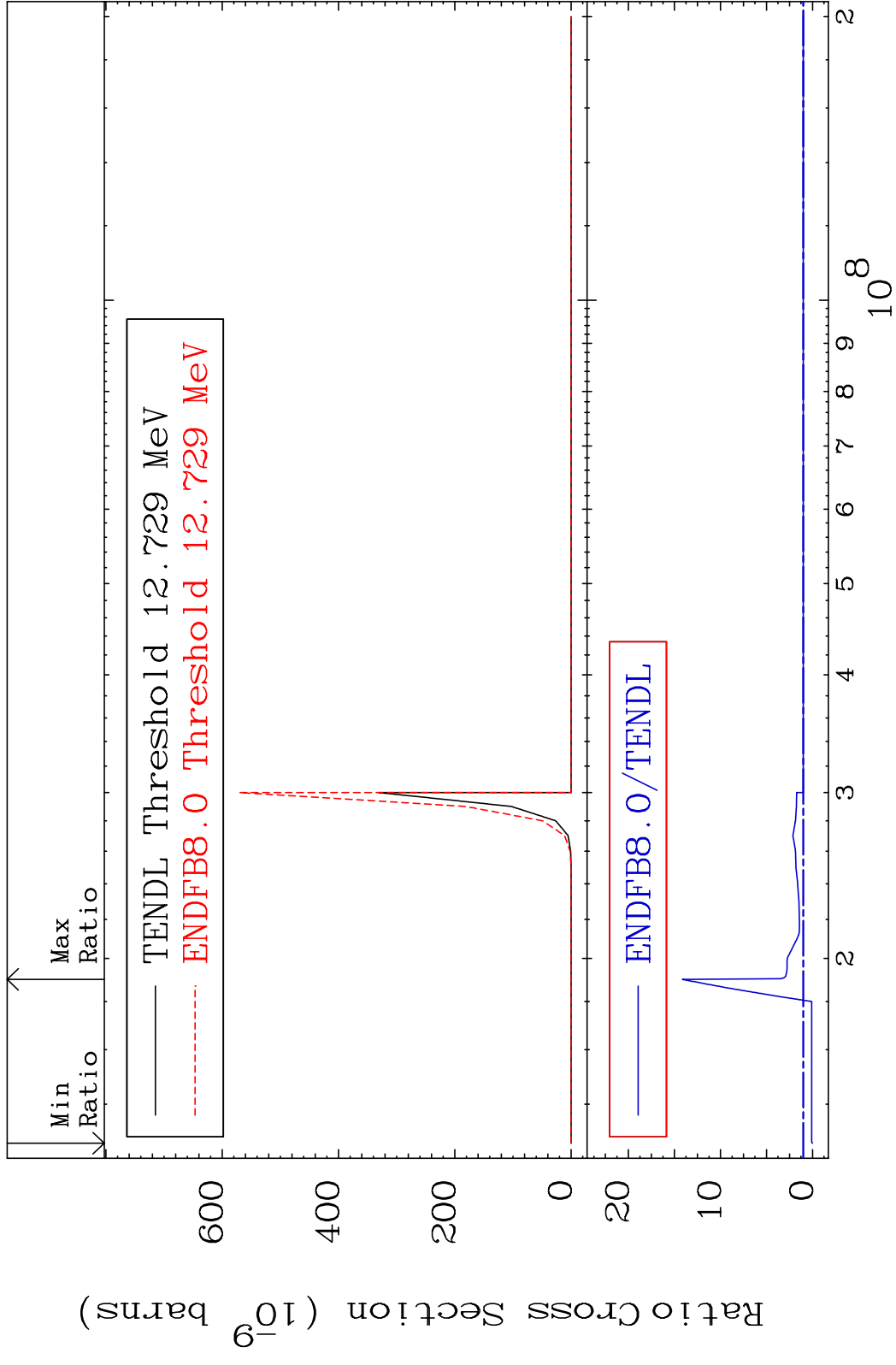


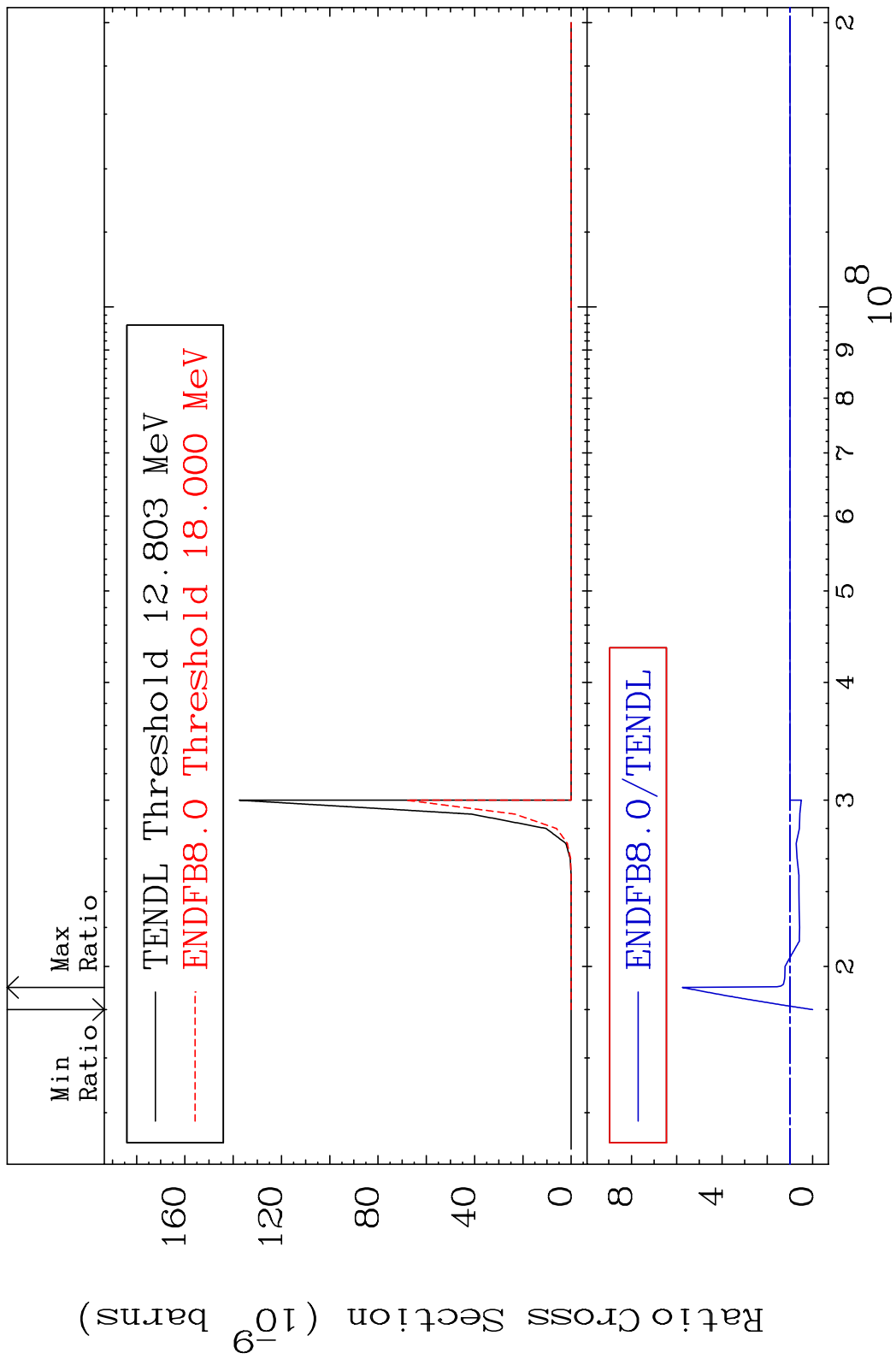


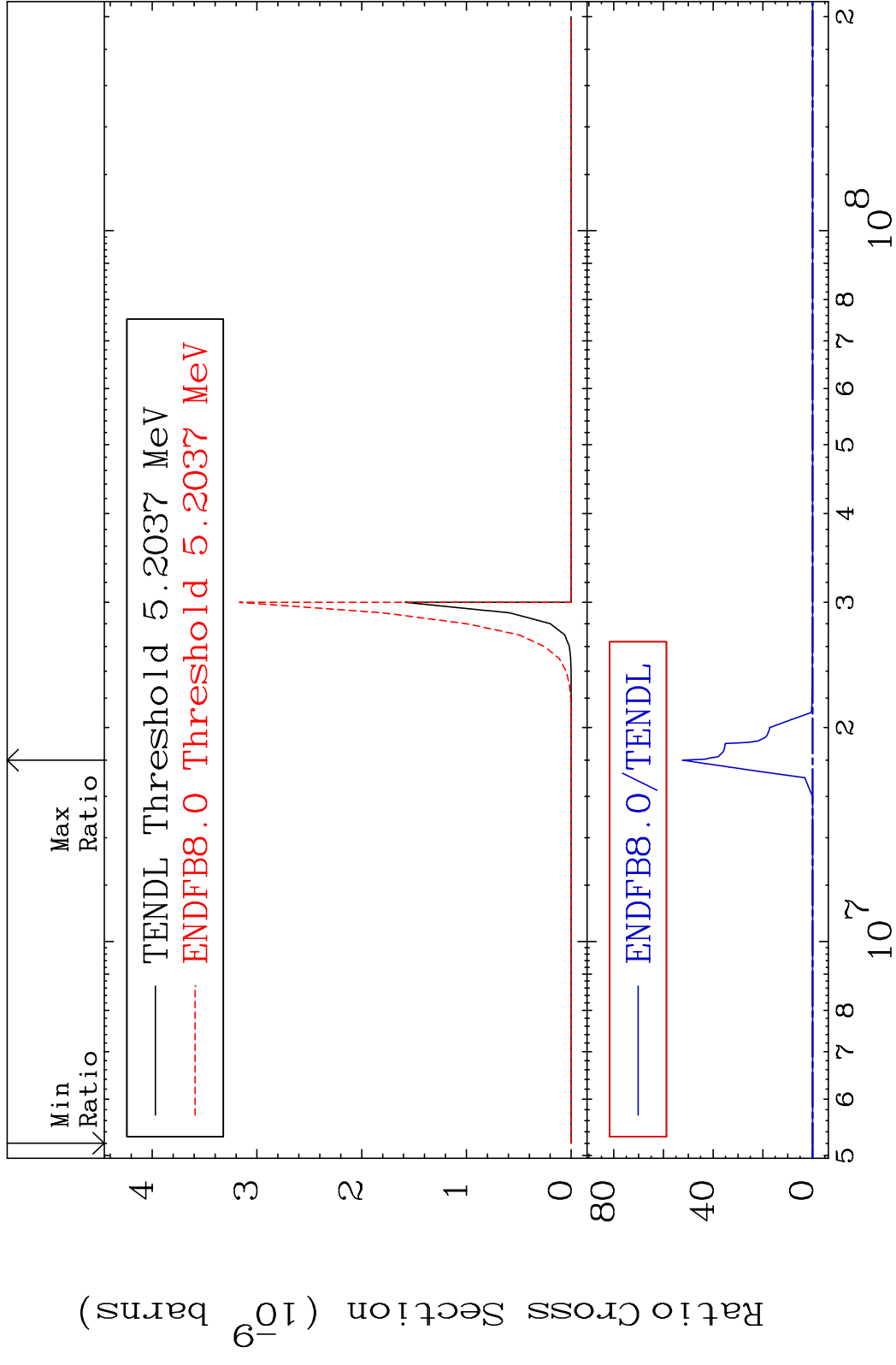


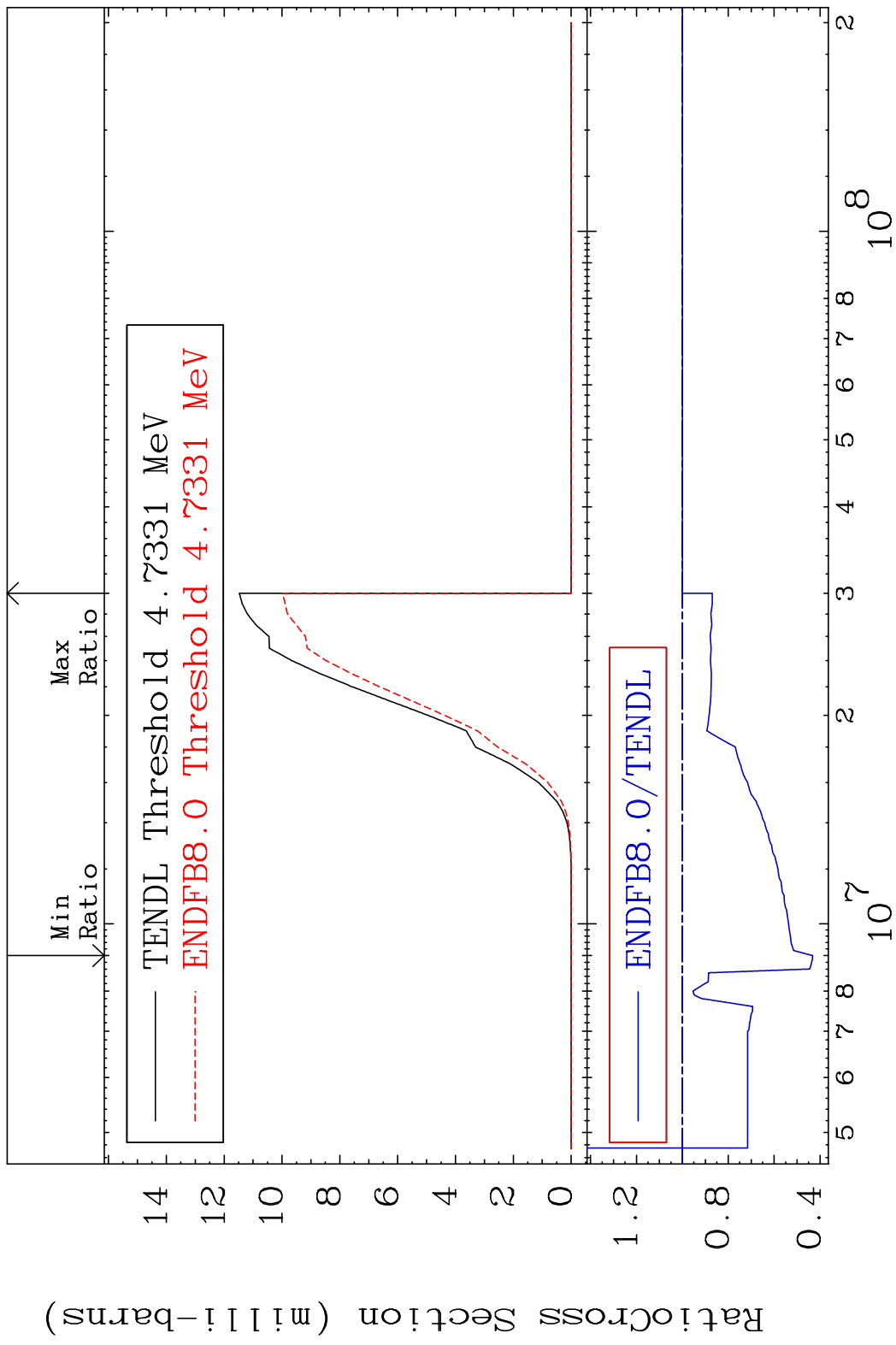


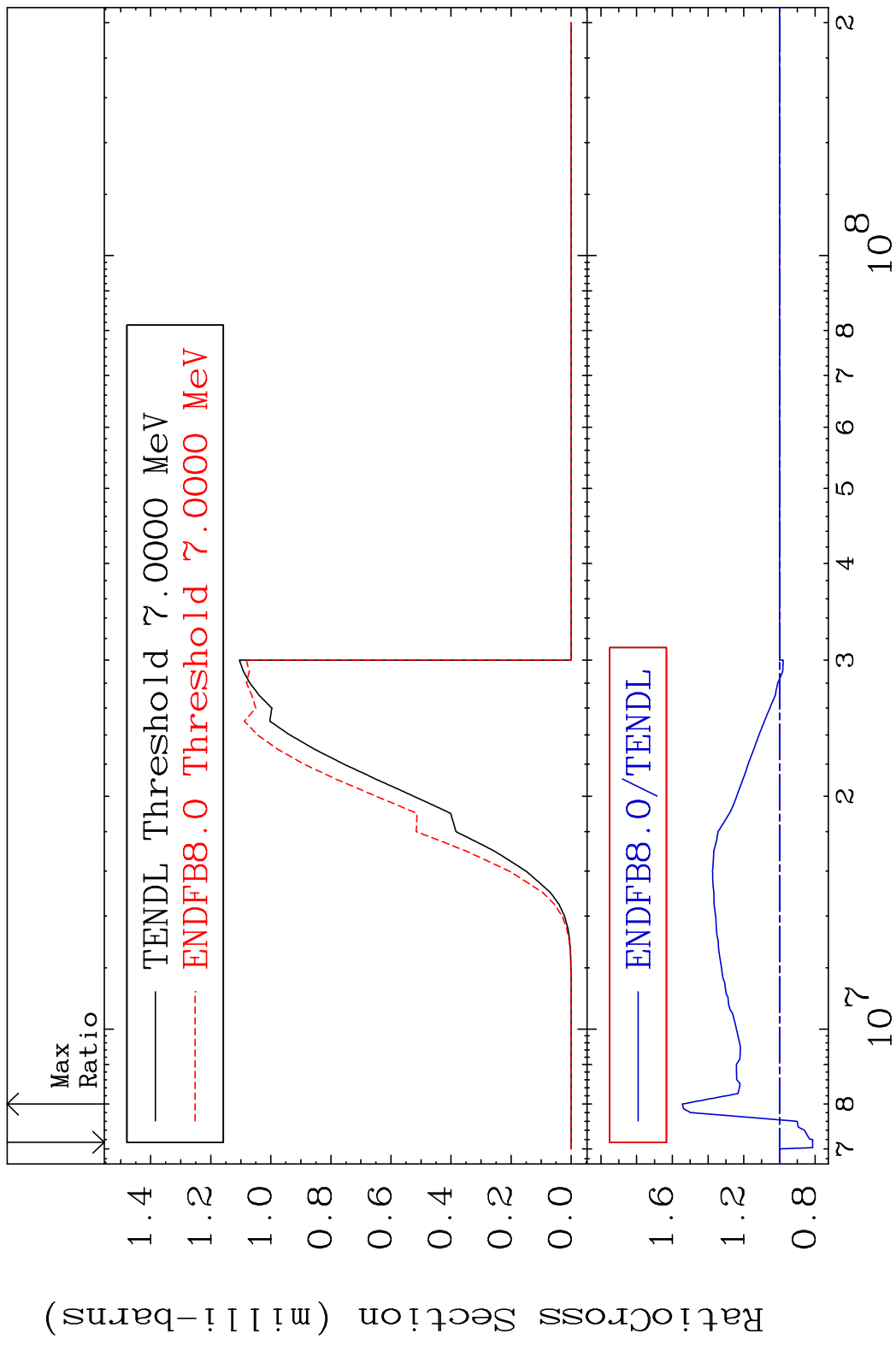


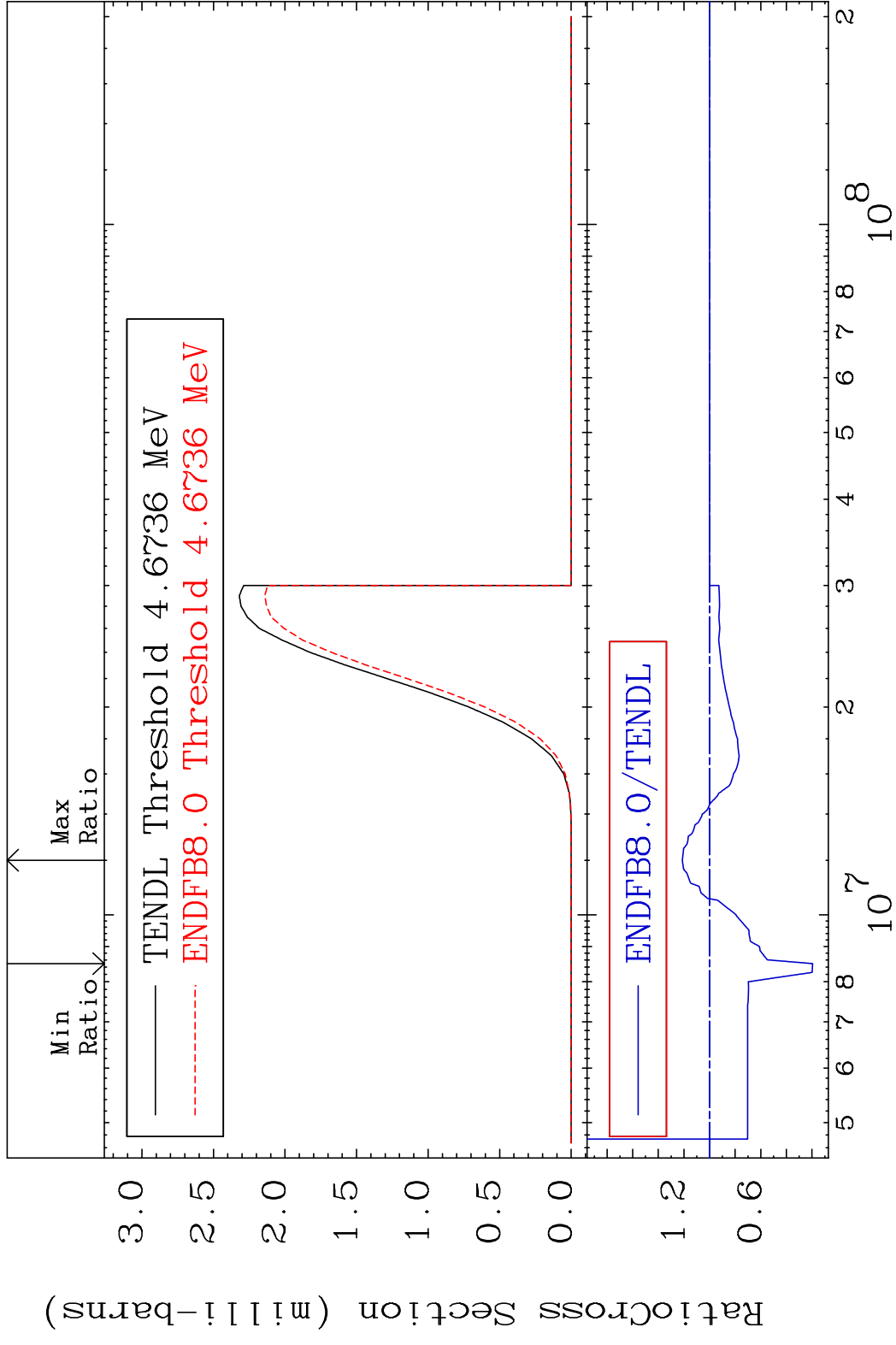




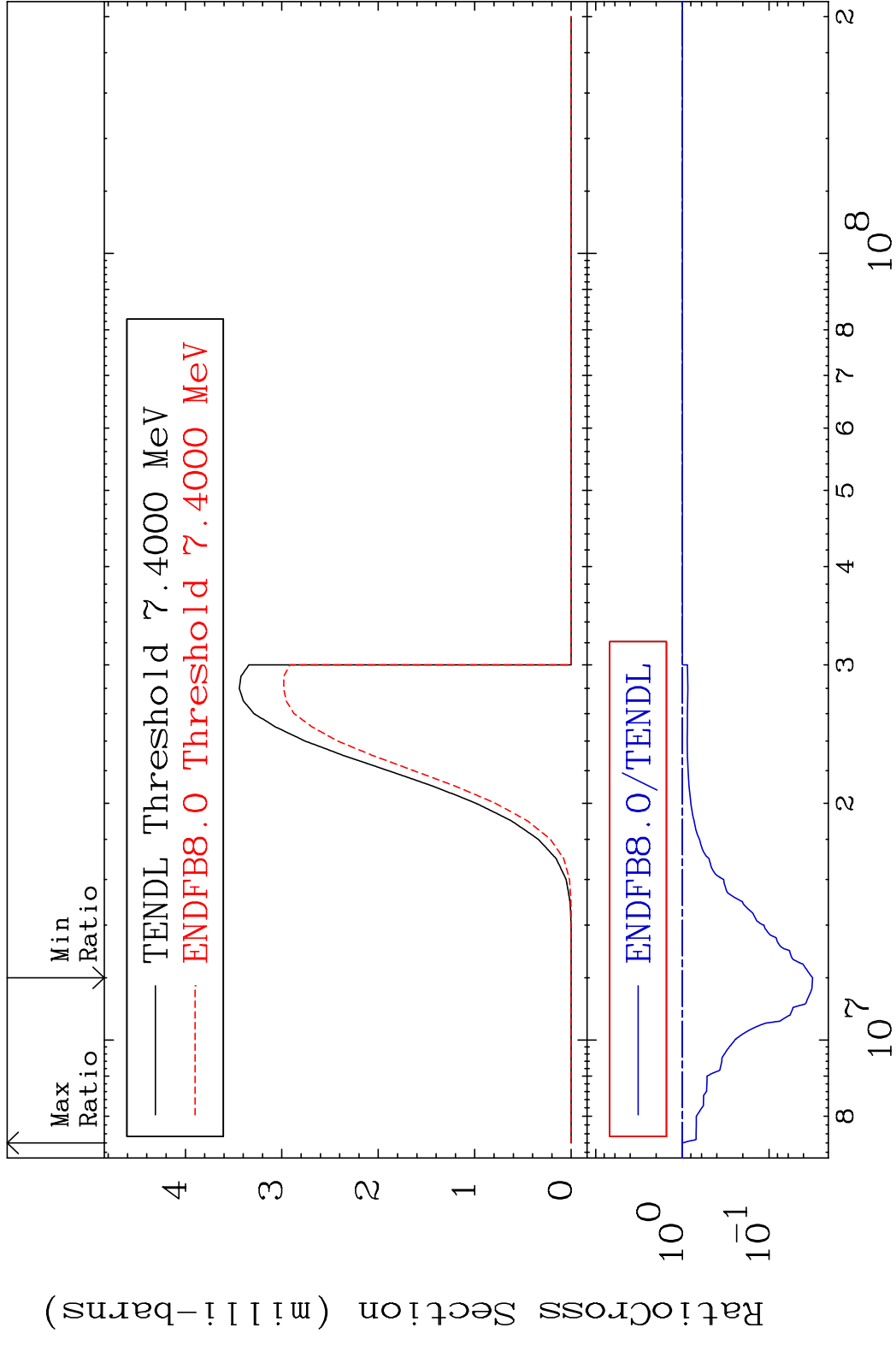




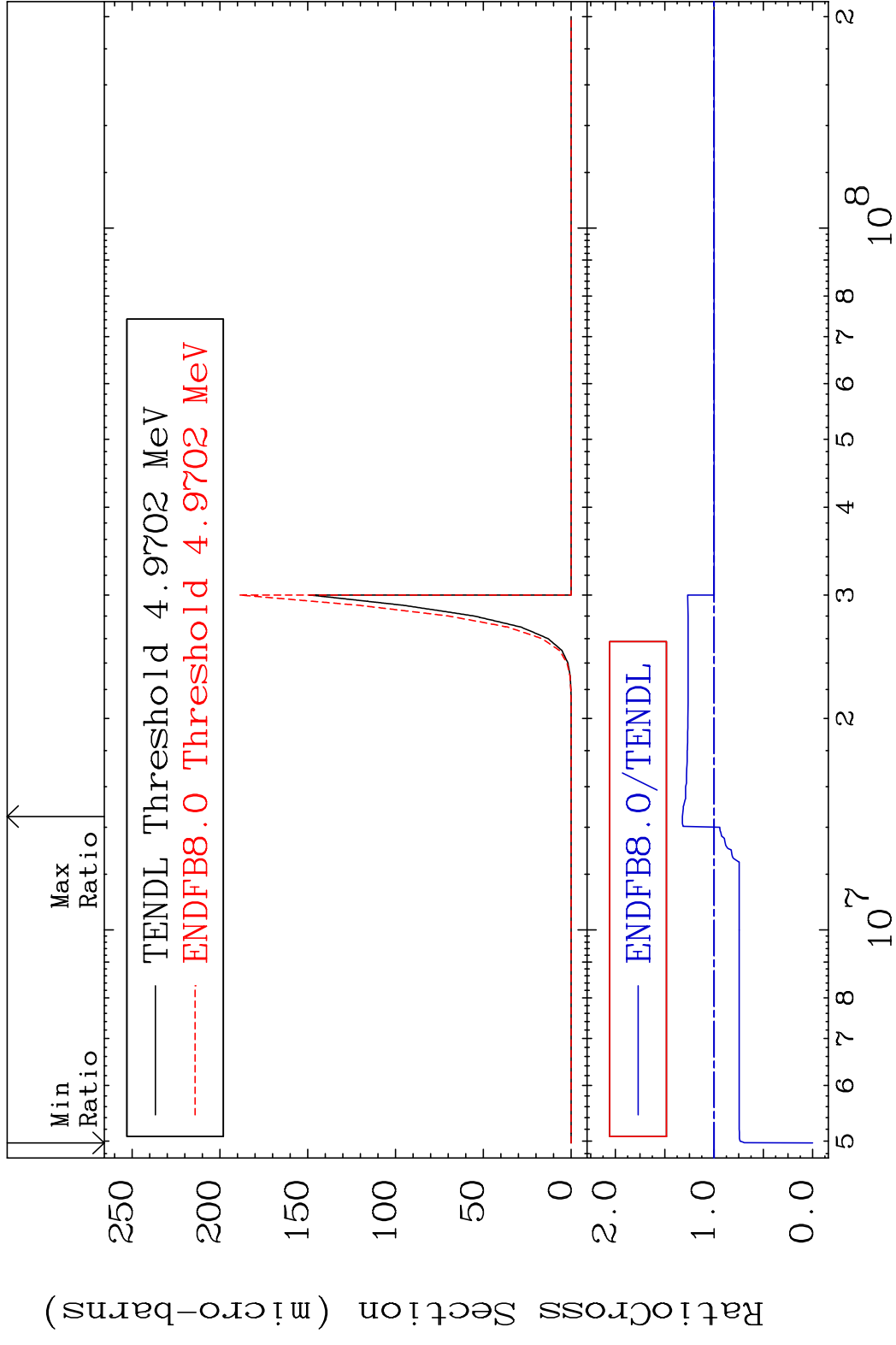


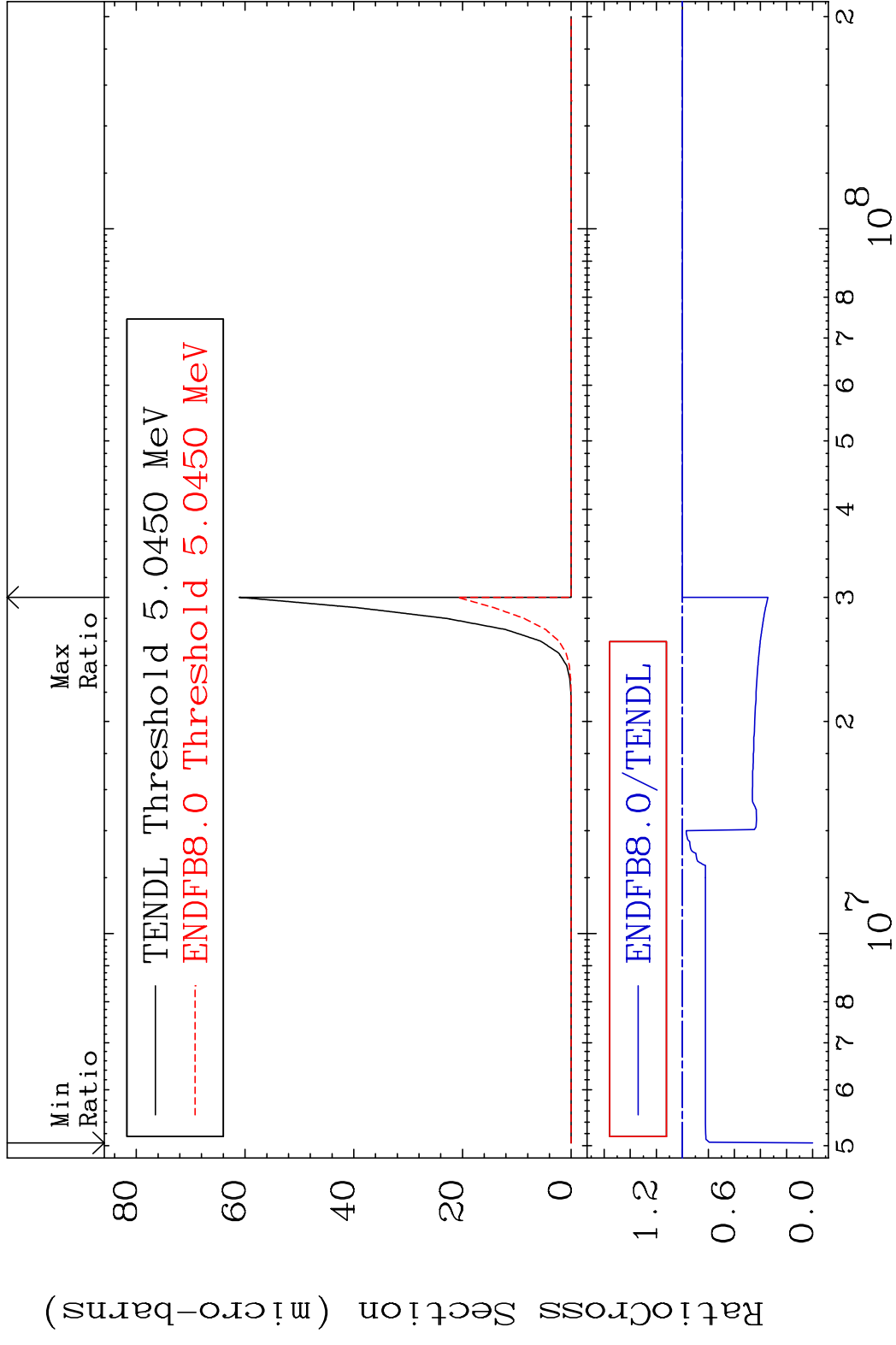


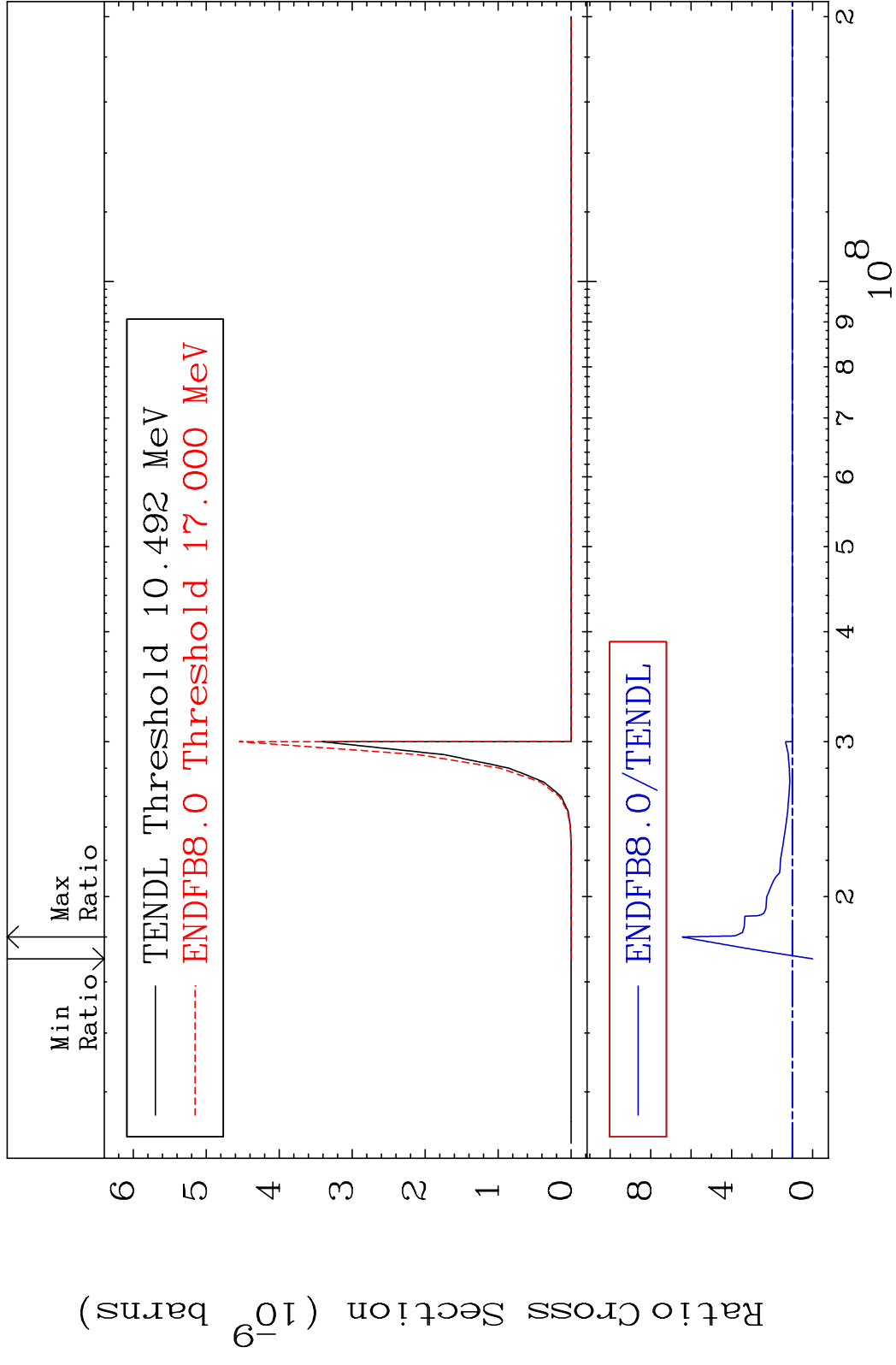
MAT 7834 (n, t): 77-Ir-191m3 78-Pt-193
 Radionuclide Production Cross Section 0.000 %



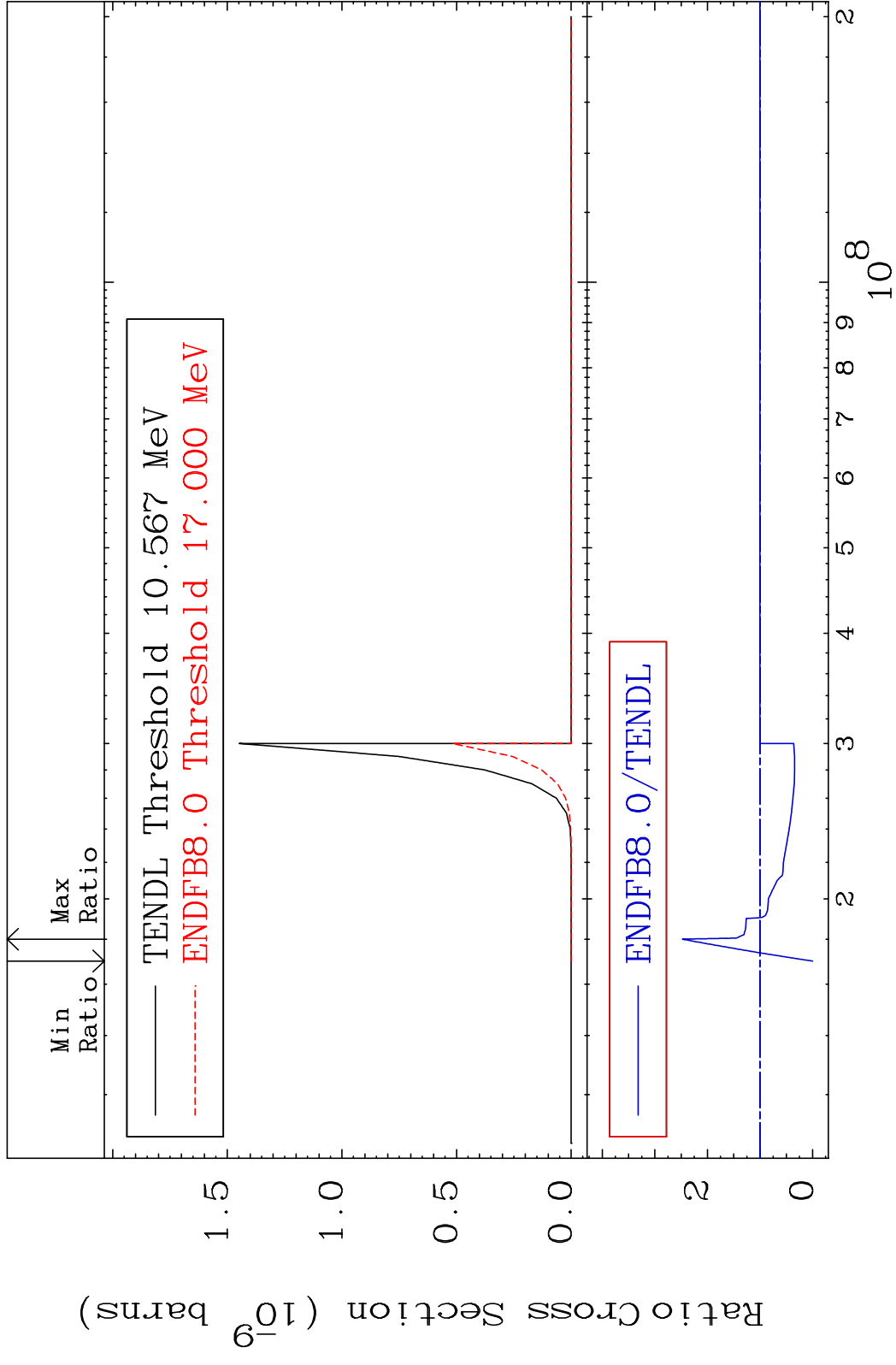
MAT 7834 (n, He-3): 76-Os-191g 78-Pt-193
 Radionuclide Production Cross Section Ratio 32.11 %







MAT 7834 (n, p) d:76-Os-191m1 78-Pt-193
 Radionuclide Production Cross Section Ratio 147.7 %



100 Incident Energy (eV) 78-Pt-193