

Program Complot  
(Version 2021-1)

by

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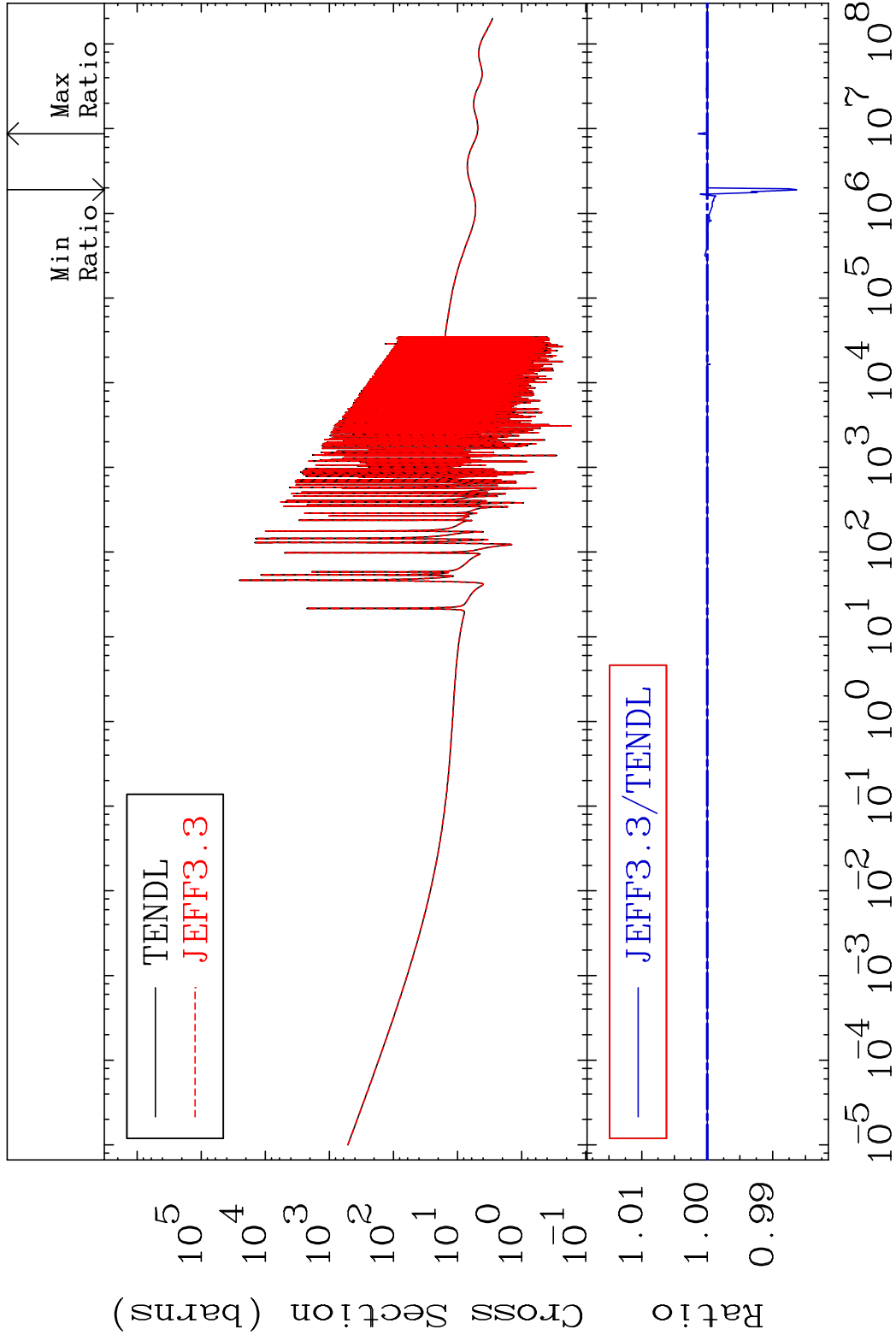
Press Mouse Button to Start

MAT 7831

Total

78-Pt-192

Cross Section -1.367 To 0.137 %



1

Incident Energy (eV)

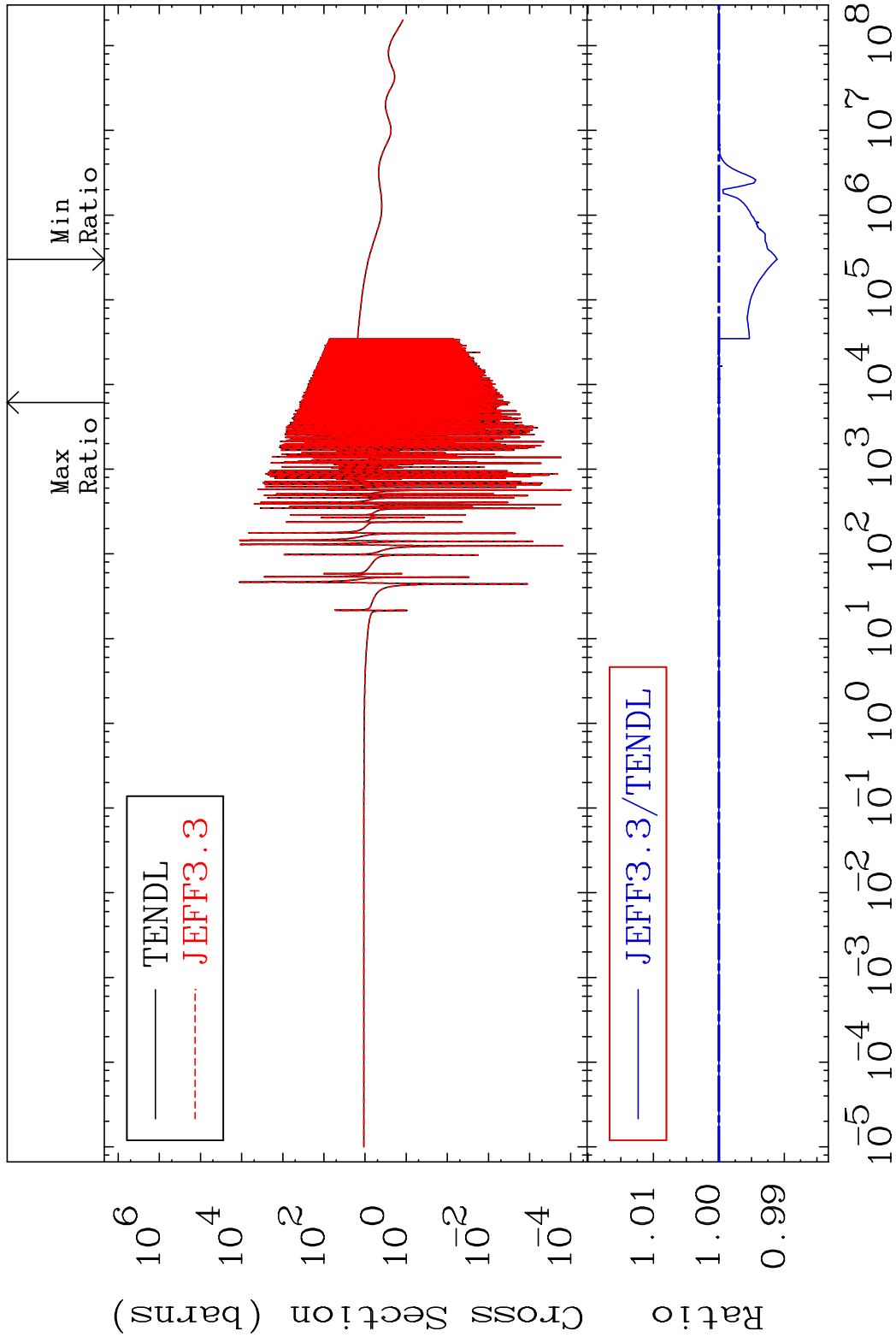
78-Pt-192

MAT 7831

Elastic

78-Pt-192

Cross Section -0.892 To 0.017 %

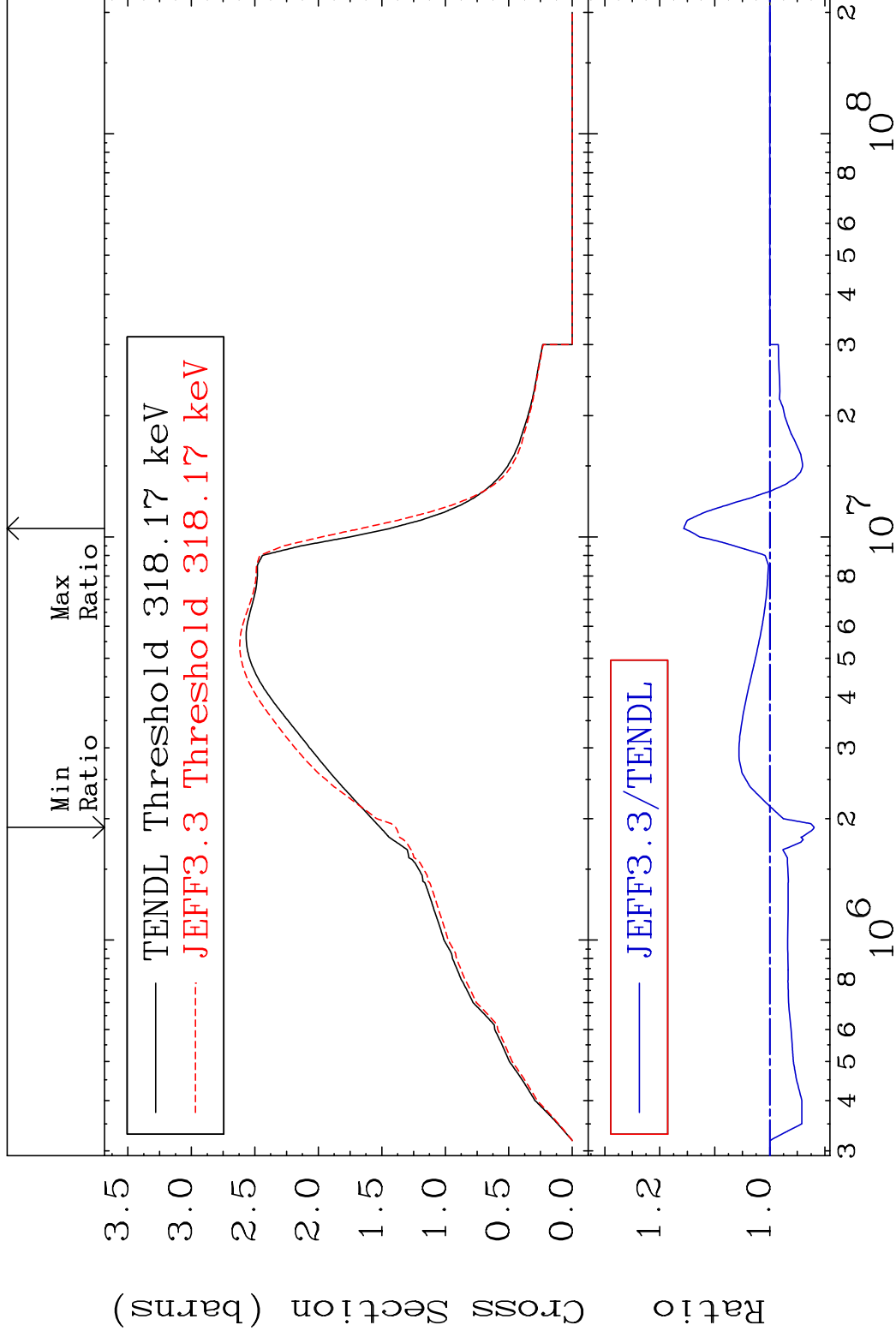


MAT 7831

Inelastic

78-Pt-192

Cross Section -8.049 To 15.66 %



3

Incident Energy (eV)

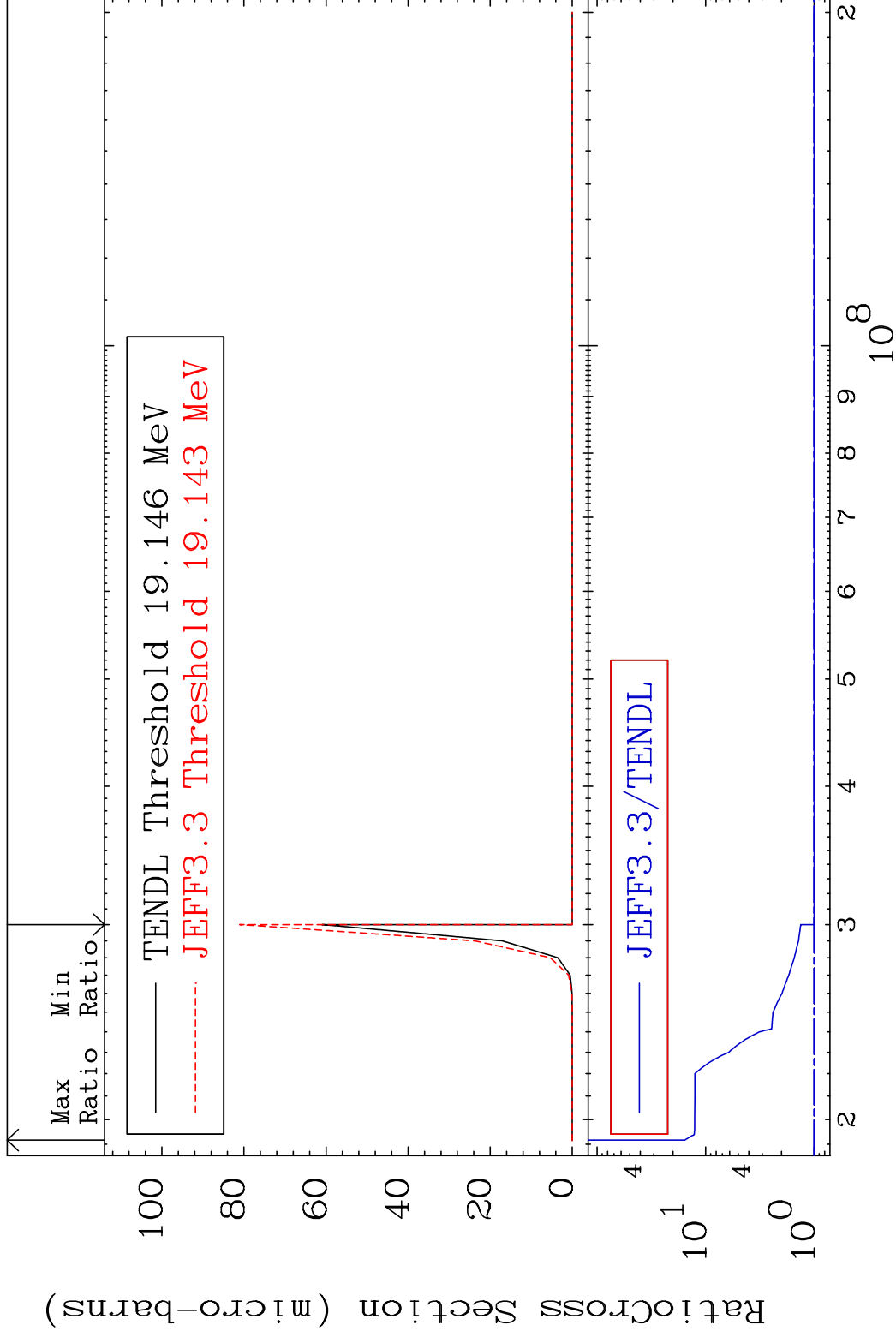
78-Pt-192

MAT 7831

(n,2n) d

78-Pt-192

Cross Section 0.000 To 1493. %



4

Incident Energy (eV)

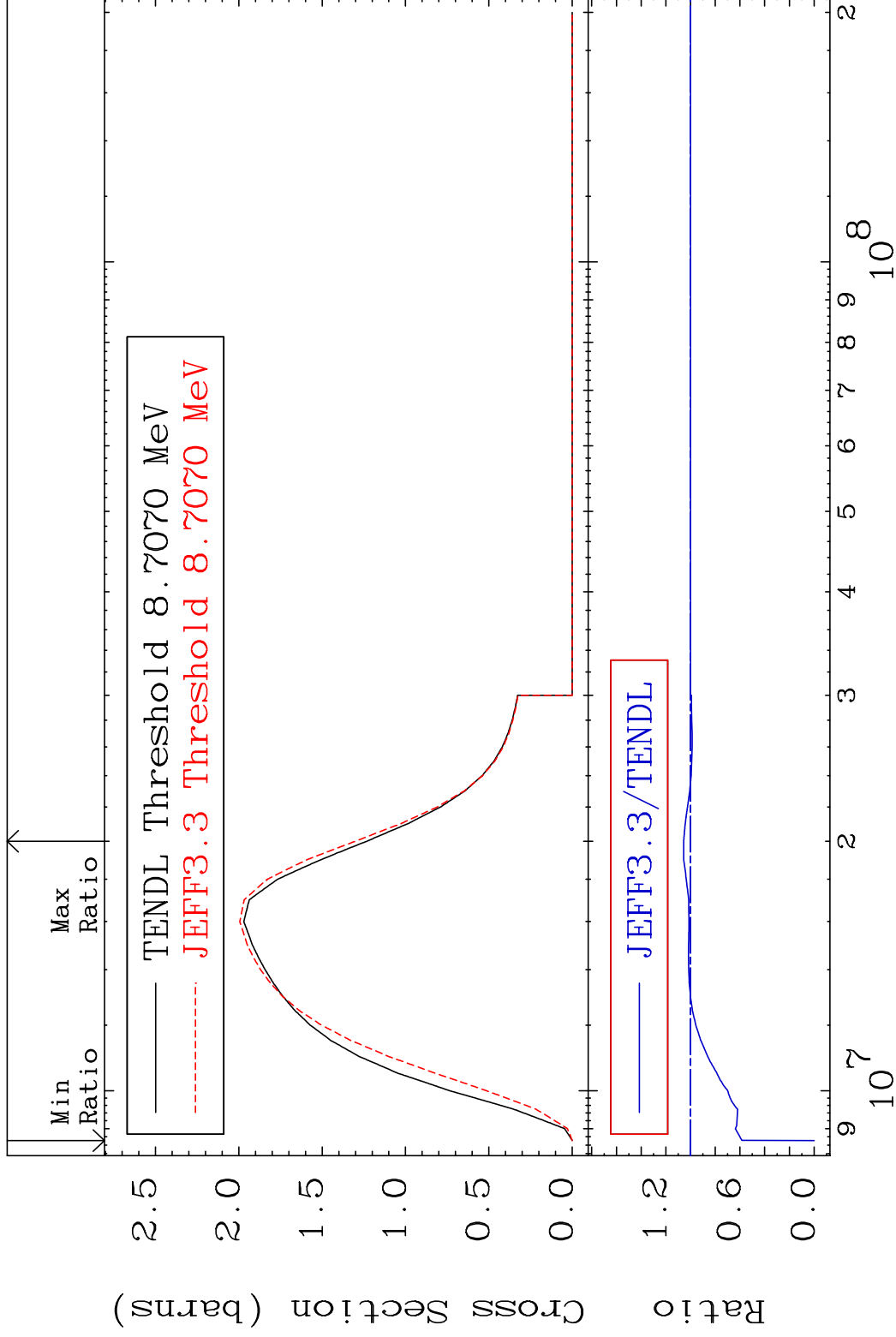
78-Pt-192

MAT 7831

(n,2n)

78-Pt-192

Cross Section -100.0 To 5.582 %



5

Incident Energy (eV)

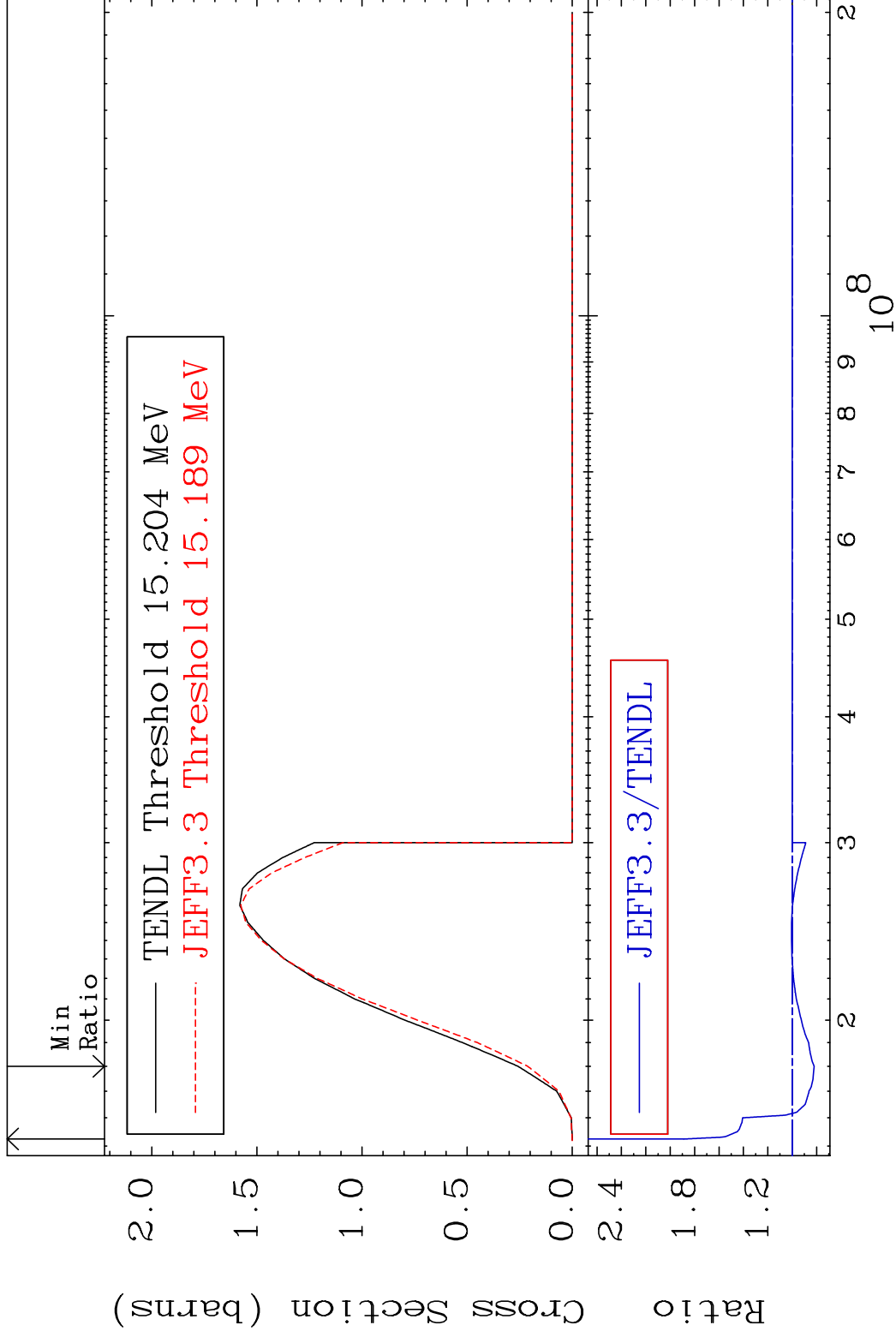
78-Pt-192

MAT 7831

(n,3n)

78-Pt-192

Cross Section -17.98 To 88.97 %

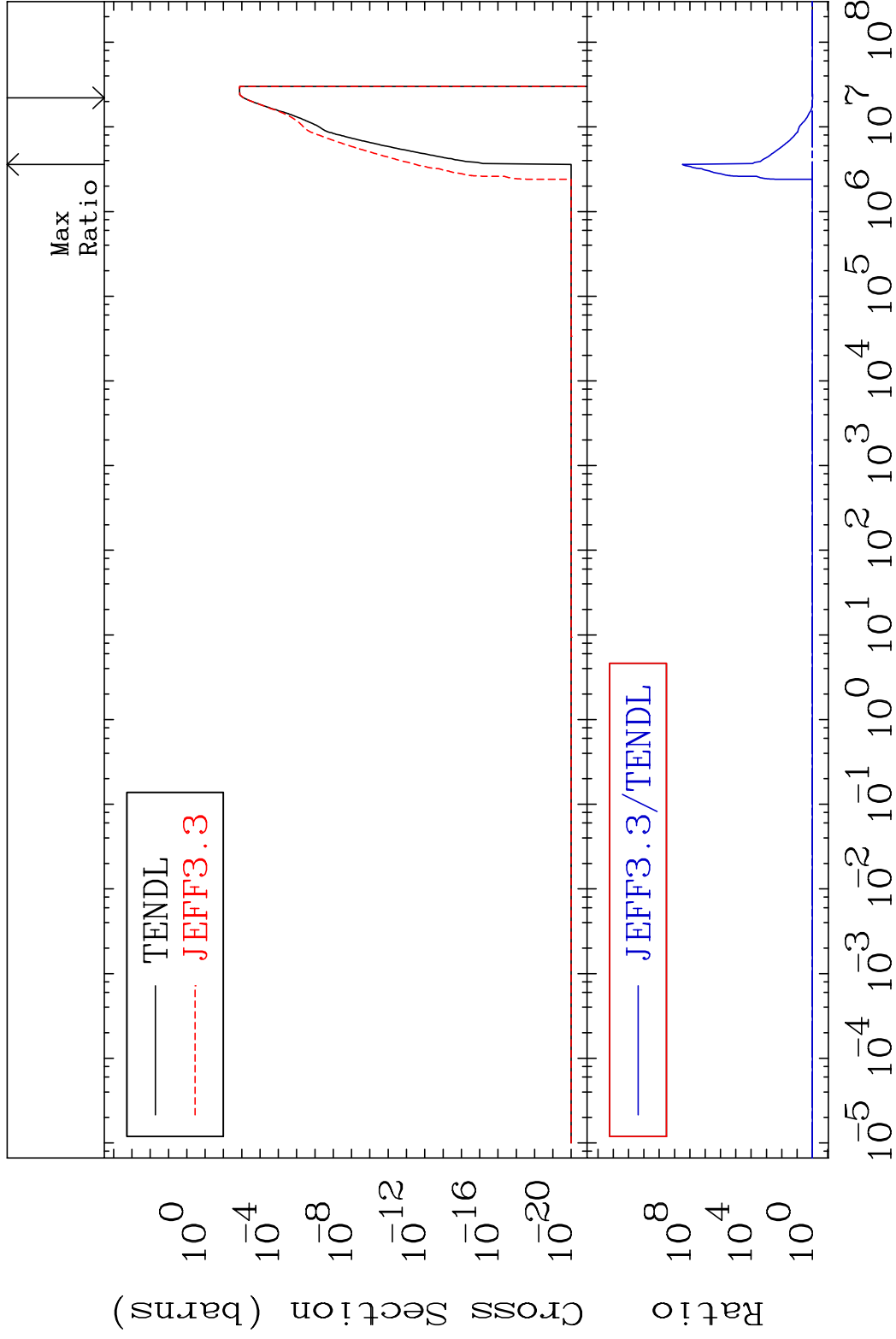


MAT 7831

(n, n')  $\alpha$

78-Pt-192

Cross Section -2.321 To 9999. %



7

Incident Energy (eV)

78-Pt-192

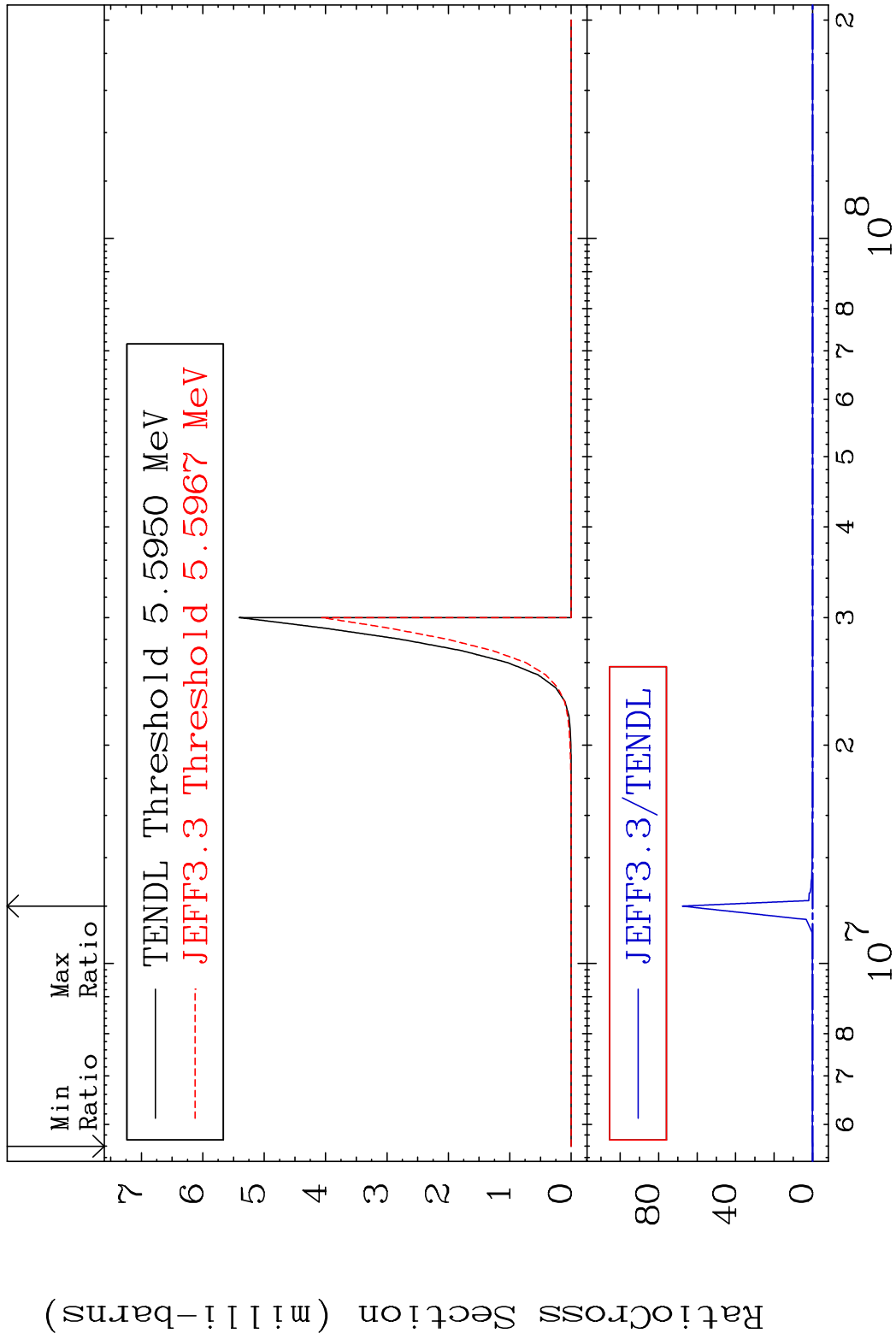


MAT 7831

(n,2n)  $\alpha$

78-Pt-192

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

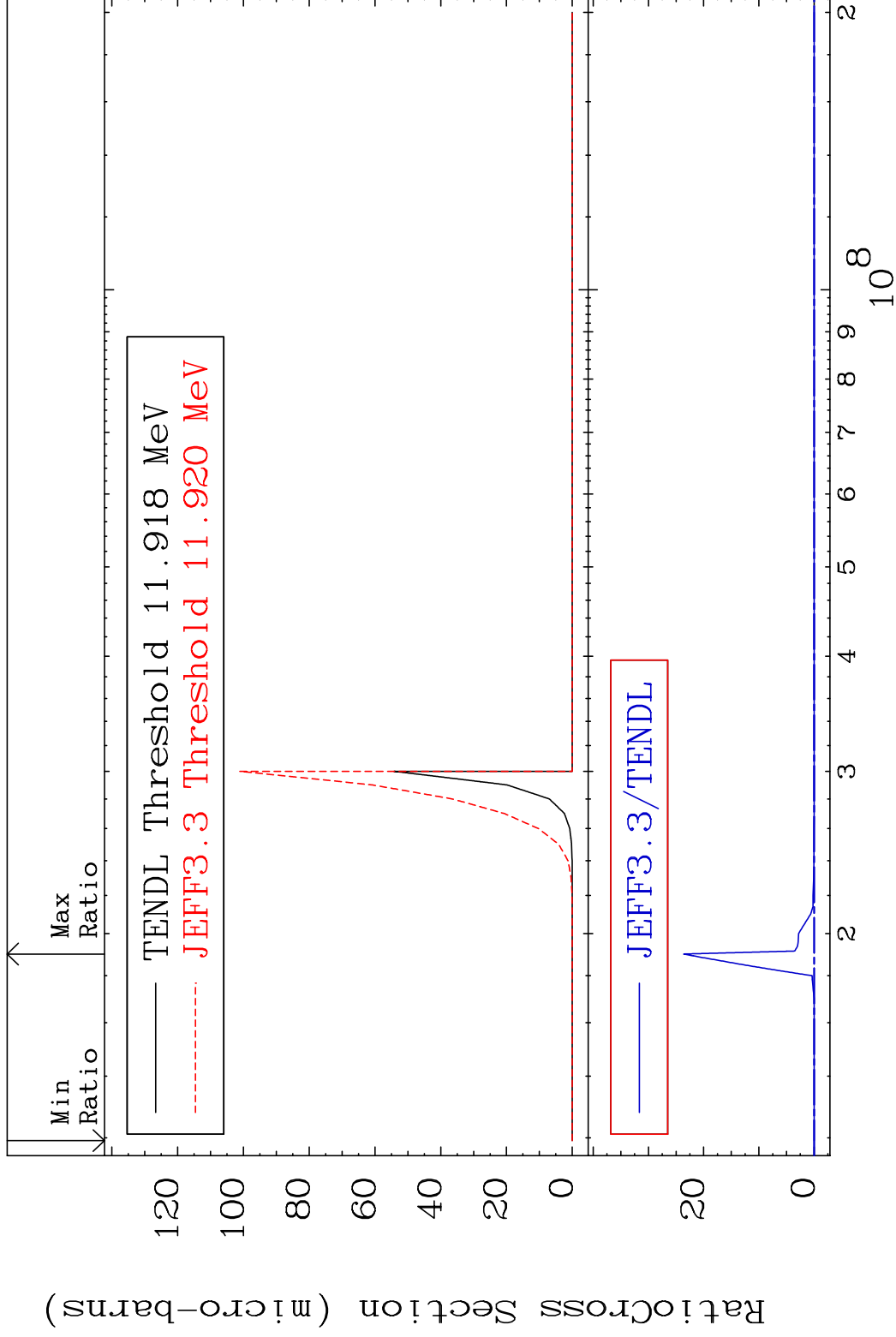
78-Pt-192

MAT 7831

(n,3n)  $\alpha$

78-Pt-192

Cross Section -100.0 To 9999. %

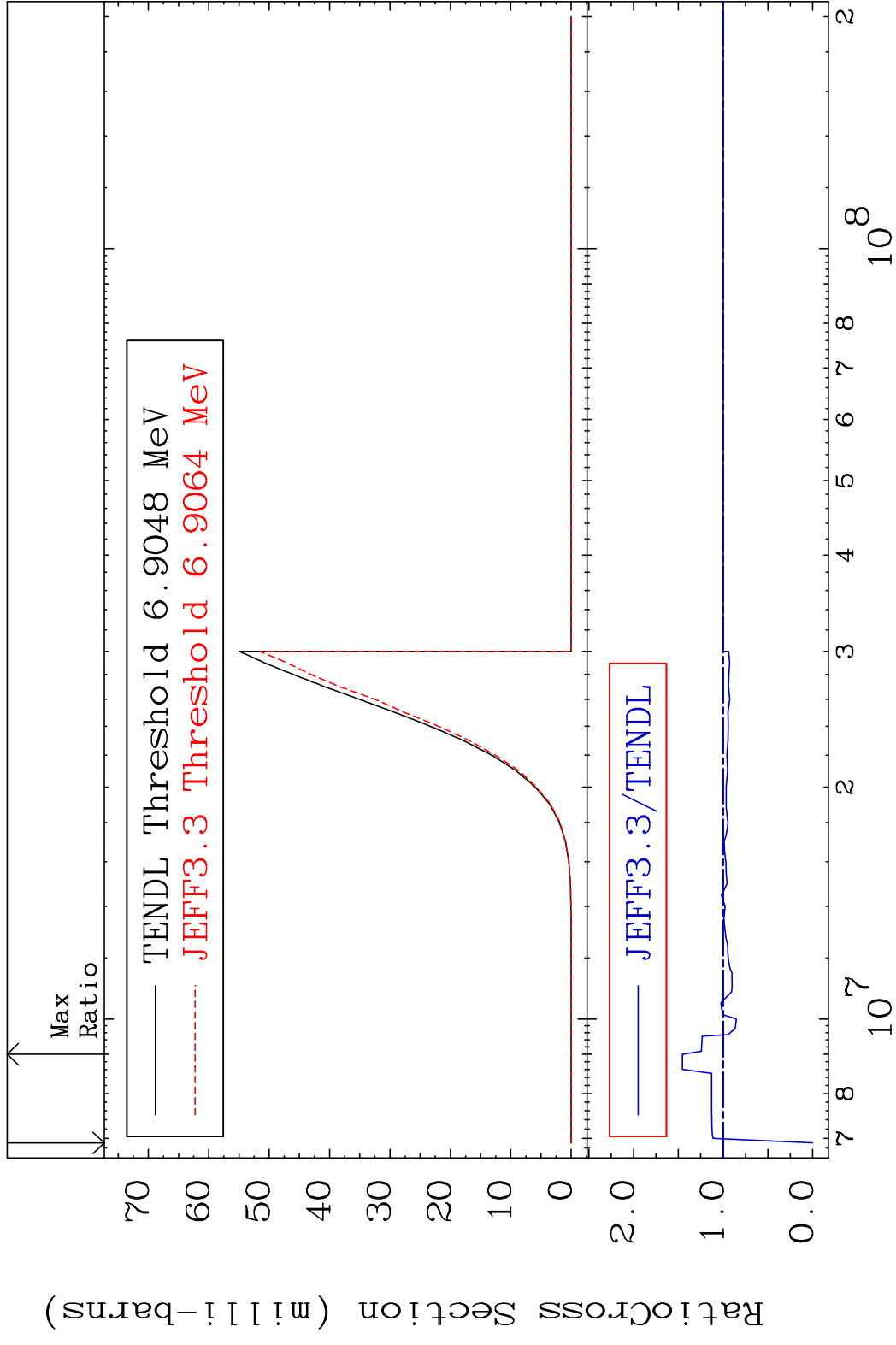


9

Incident Energy (eV)

78-Pt-192

MAT 7831 (n, n') p 78-Pt-192  
 Cross Section -100.0 To 45.55 %



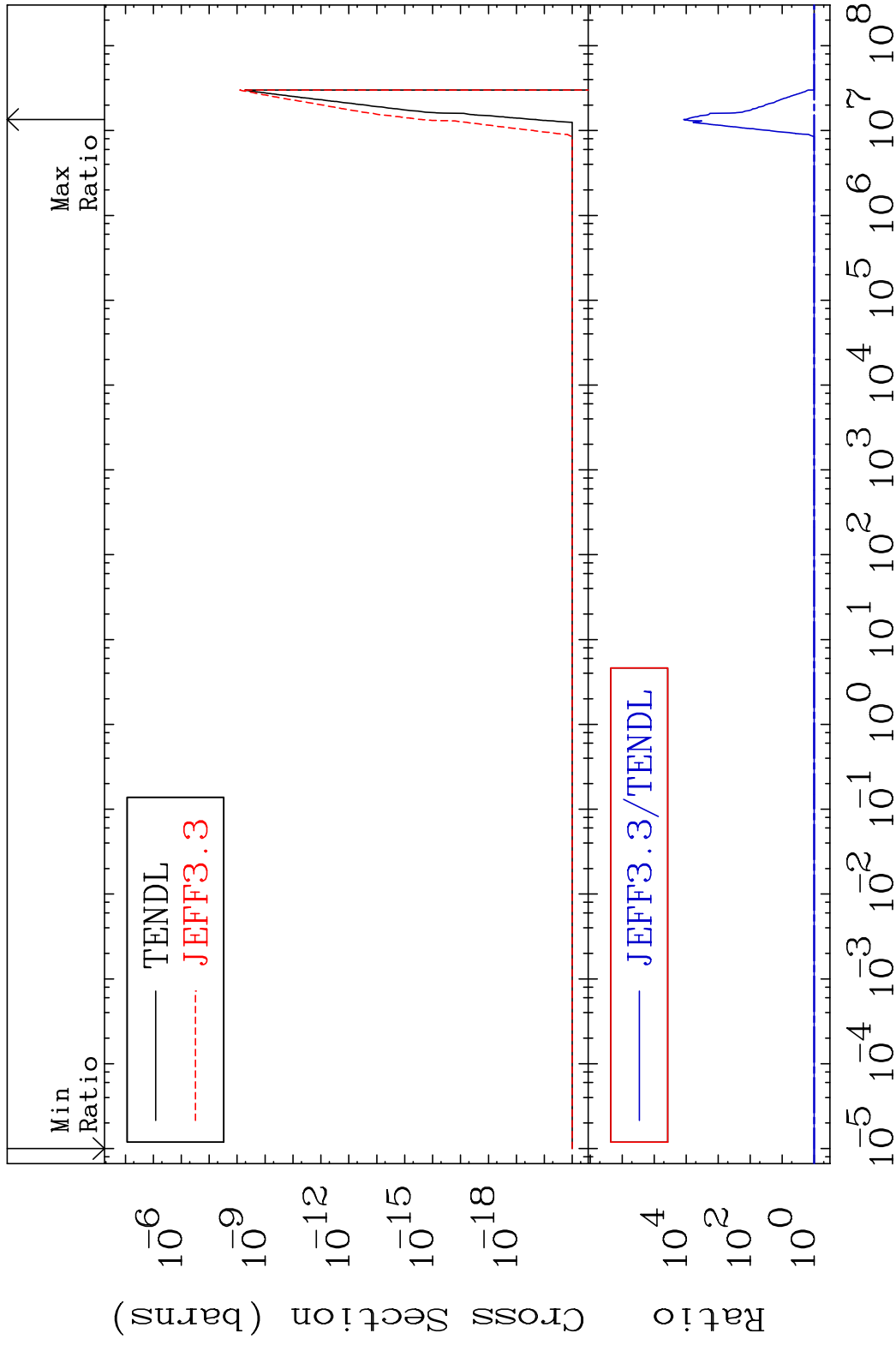
10 Incident Energy (eV) 78-Pt-192

MAT 7831

(n, n') 2α

78-Pt-192

Cross Section 0.000 To 9999. %



11

Incident Energy (eV)

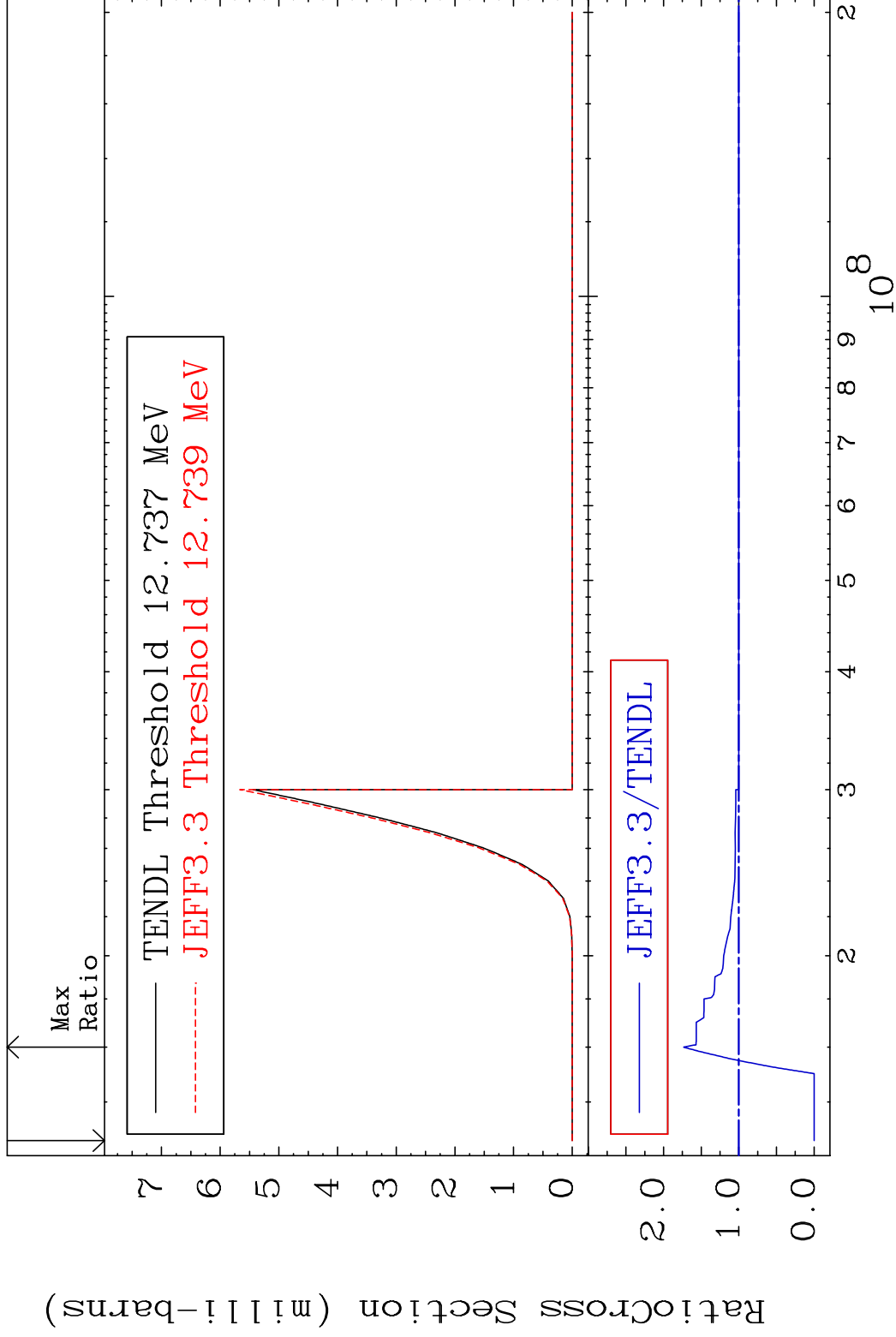
78-Pt-192

MAT 7831

(n, n') d

78-Pt-192

Cross Section -100.0 To 73.34 %

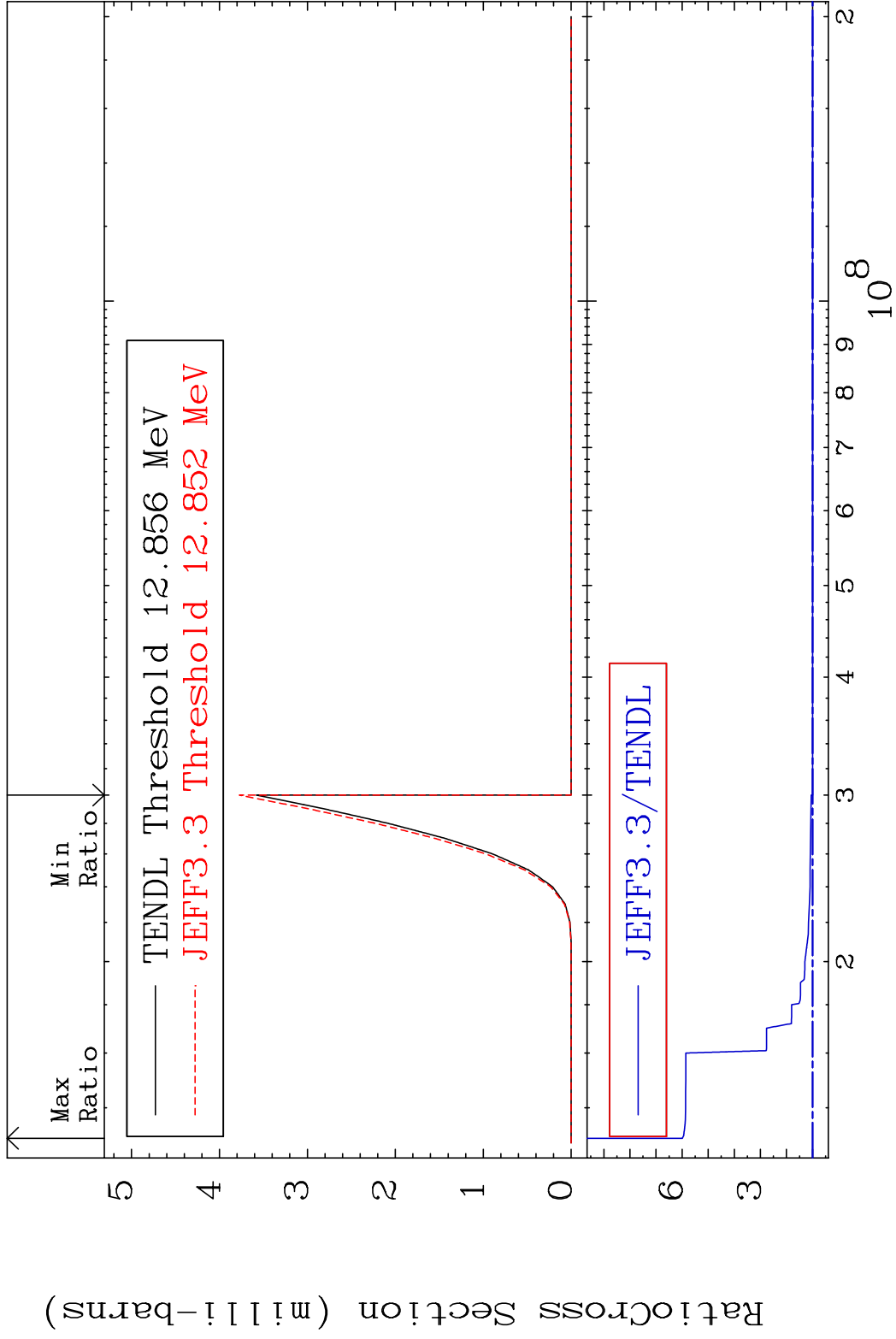


MAT 7831

(n, n') t

78-Pt-192

Cross Section 0.000 To 499.1 %



13

Incident Energy (eV)

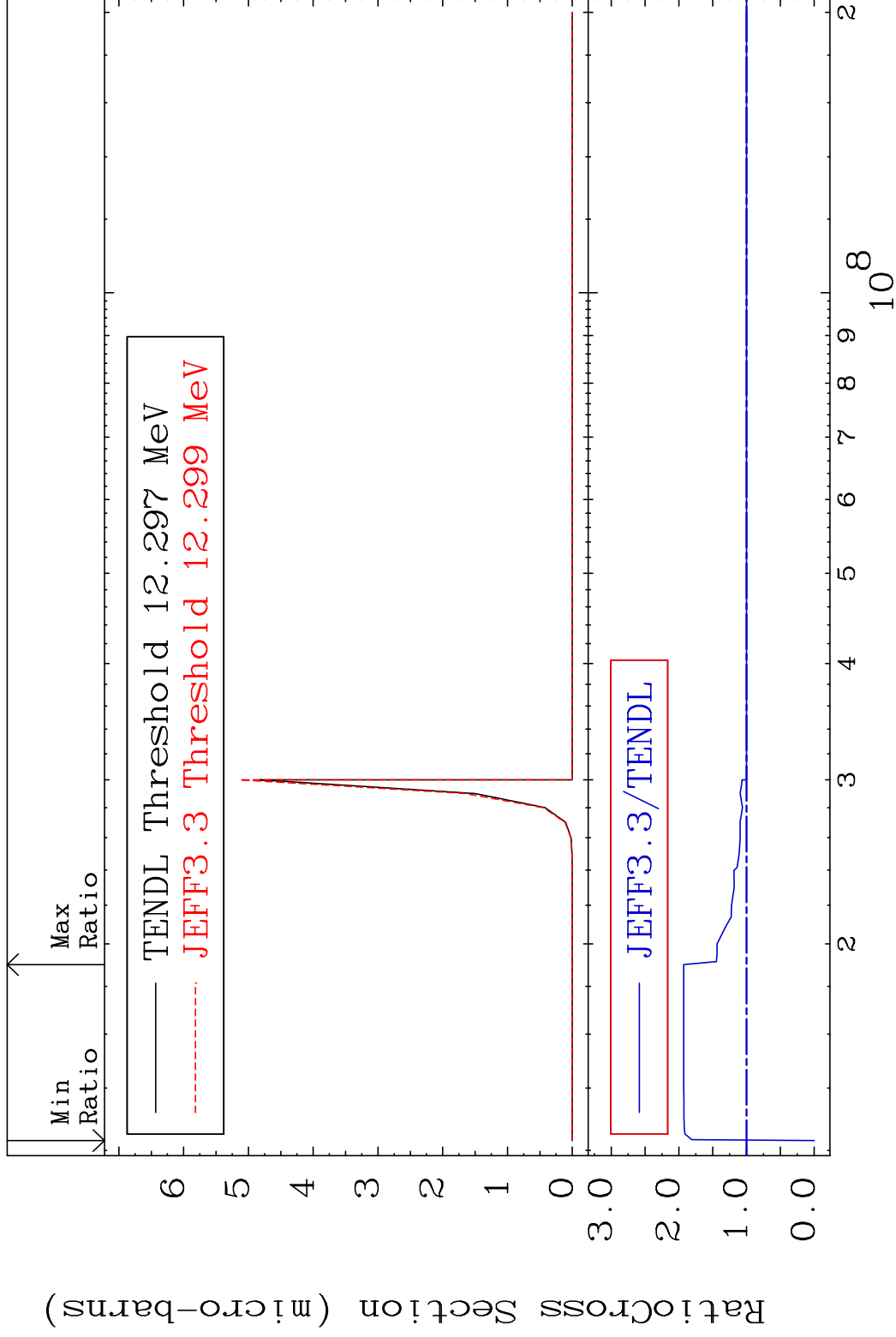
78-Pt-192

MAT 7831

(n,n') He-3

78-Pt-192

Cross Section -100.0 To 92.96 %

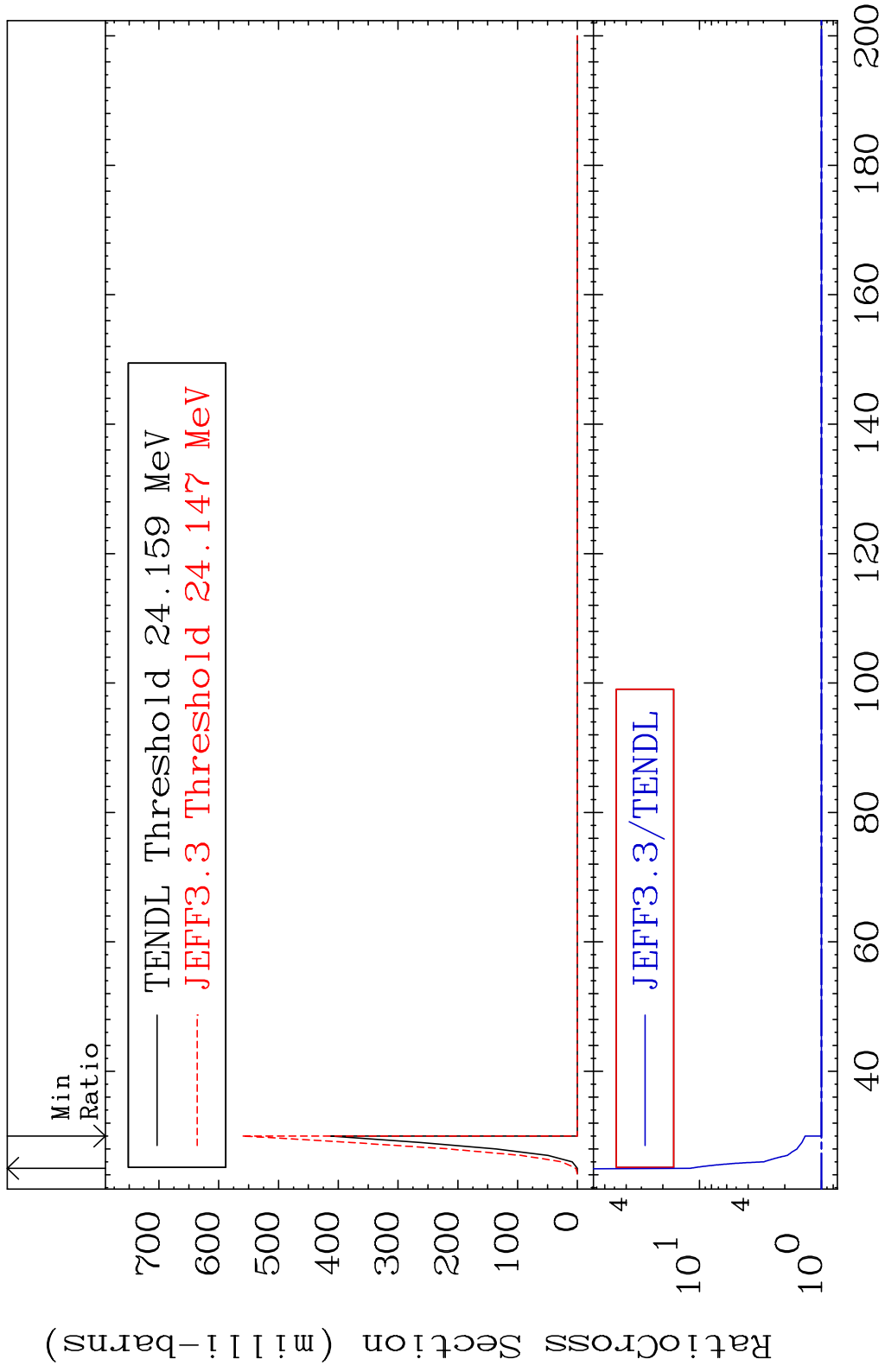


MAT 7831

(n,4n)

78-Pt-192

Cross Section 0.000 To 1104. %



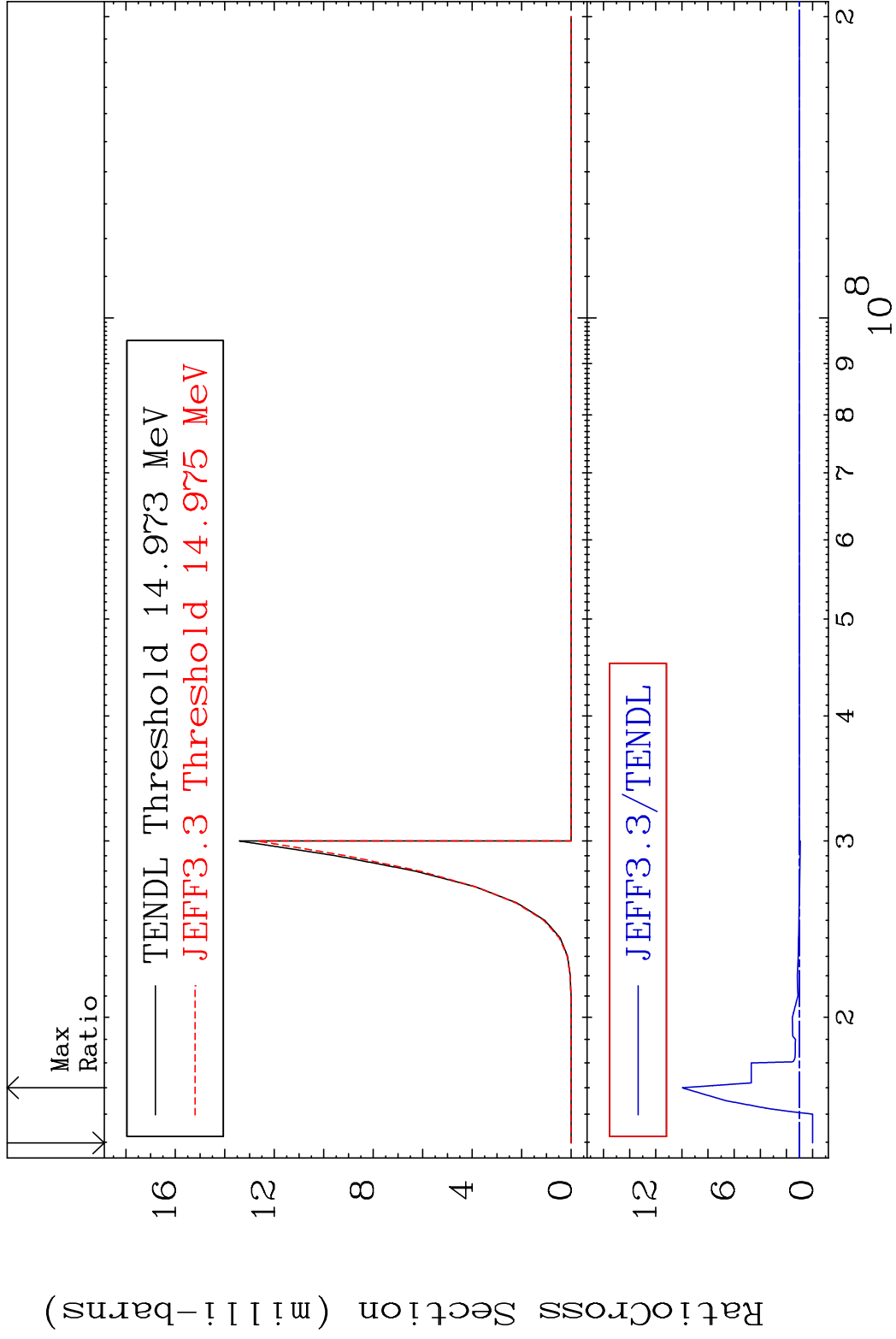


MAT 7831

(n,2n) p

78-Pt-192

Cross Section -100.0 To 896.6 %



16

Incident Energy (eV)

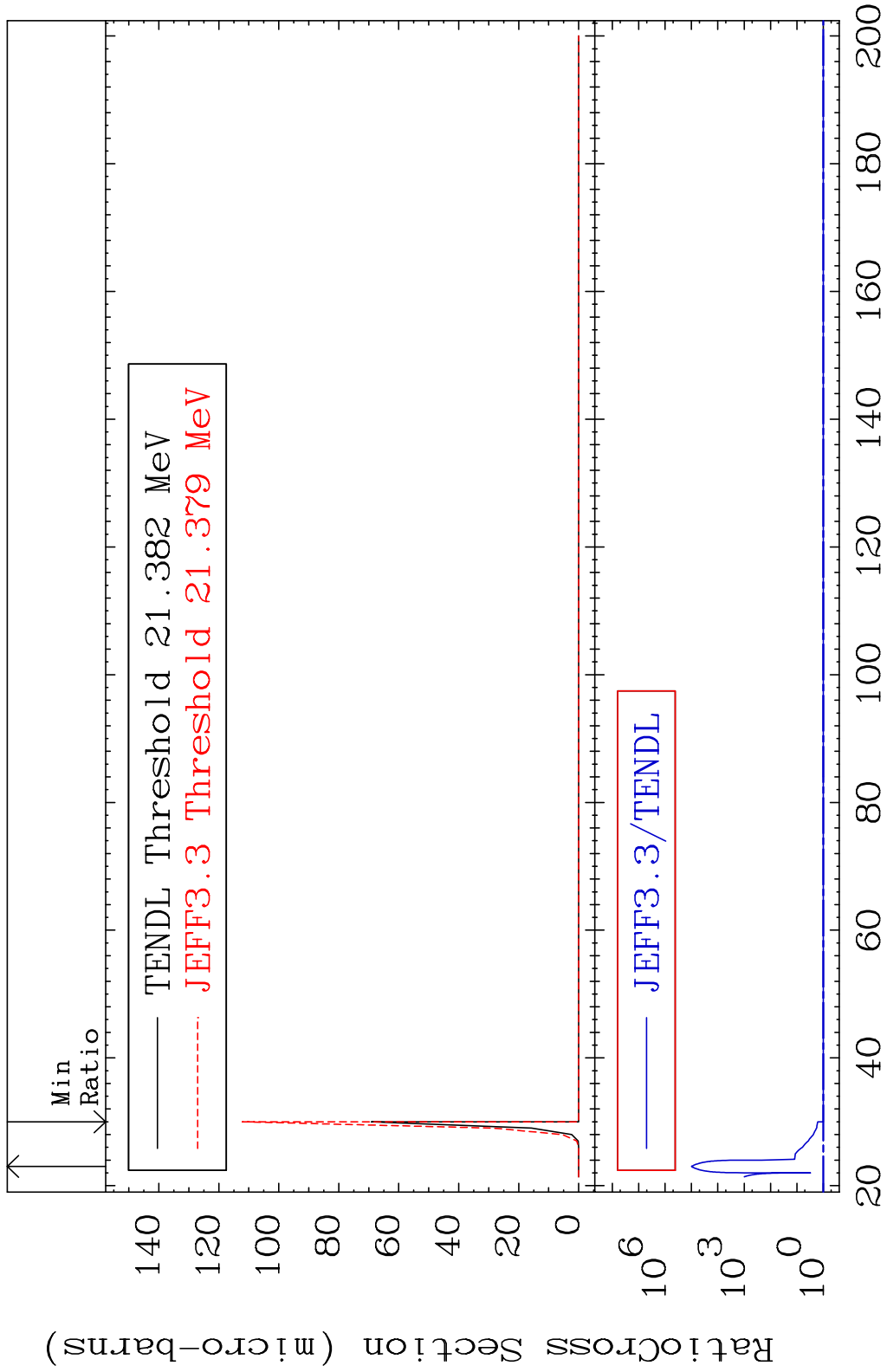
78-Pt-192

MAT 7831

(n,3n) p

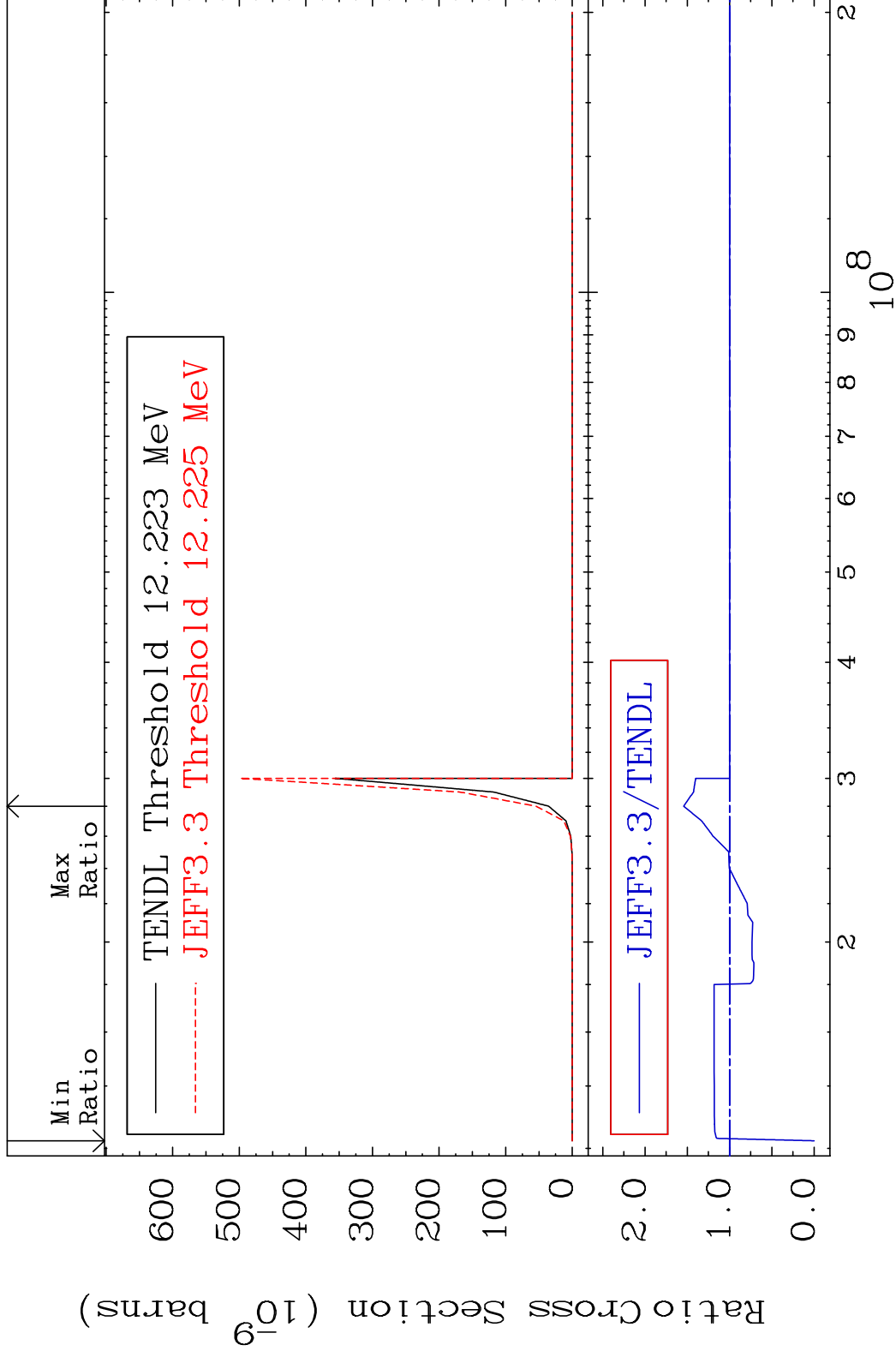
78-Pt-192

Cross Section 0.000 To 9999. %



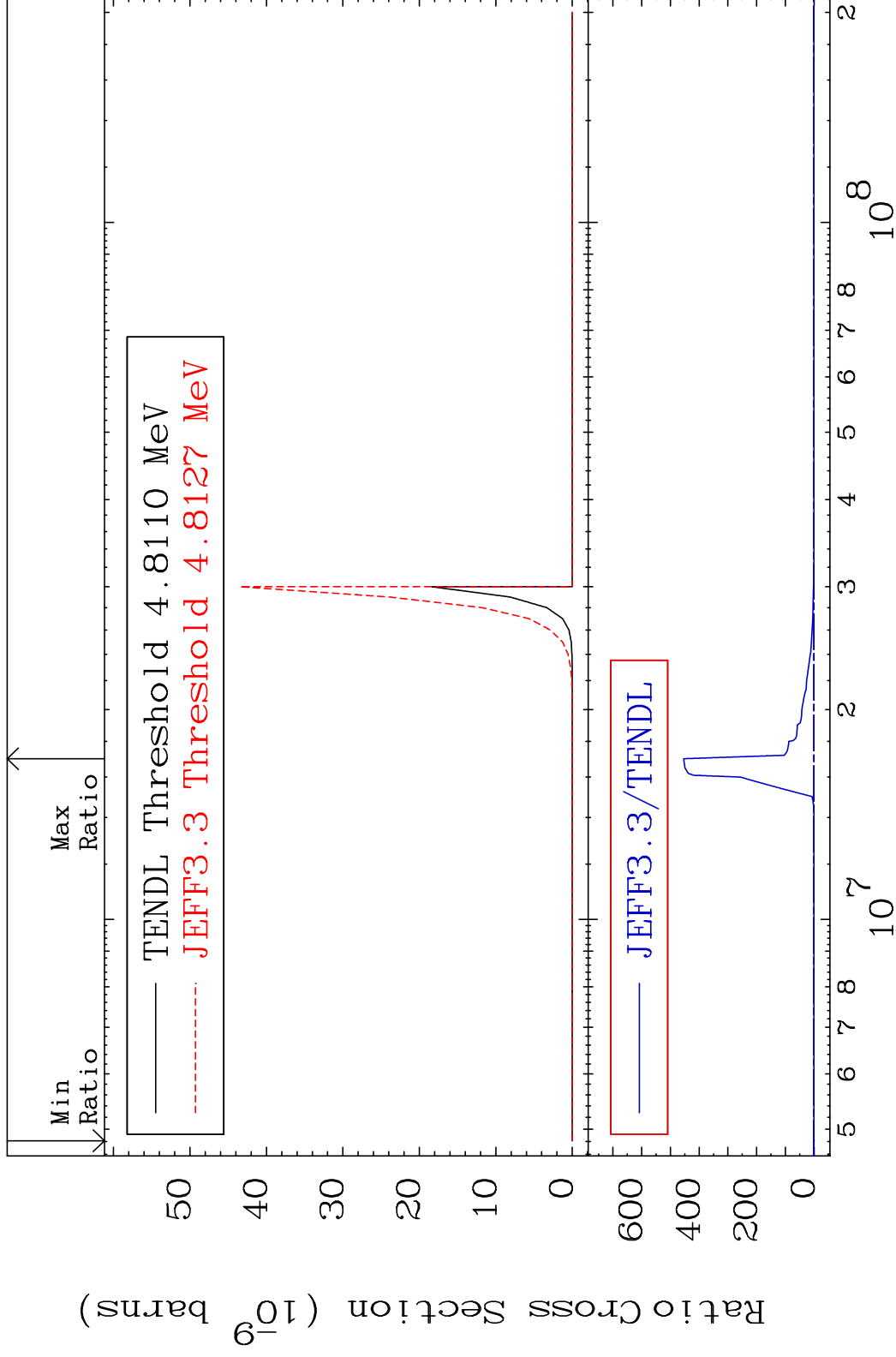
MAT 7831

(n,2n) p 78-Pt-192  
Cross Section -100.0 To 54.34 %



MAT 7831

(n,n') p  $\alpha$  78-Pt-192  
Cross Section -100.0 To 9999. %

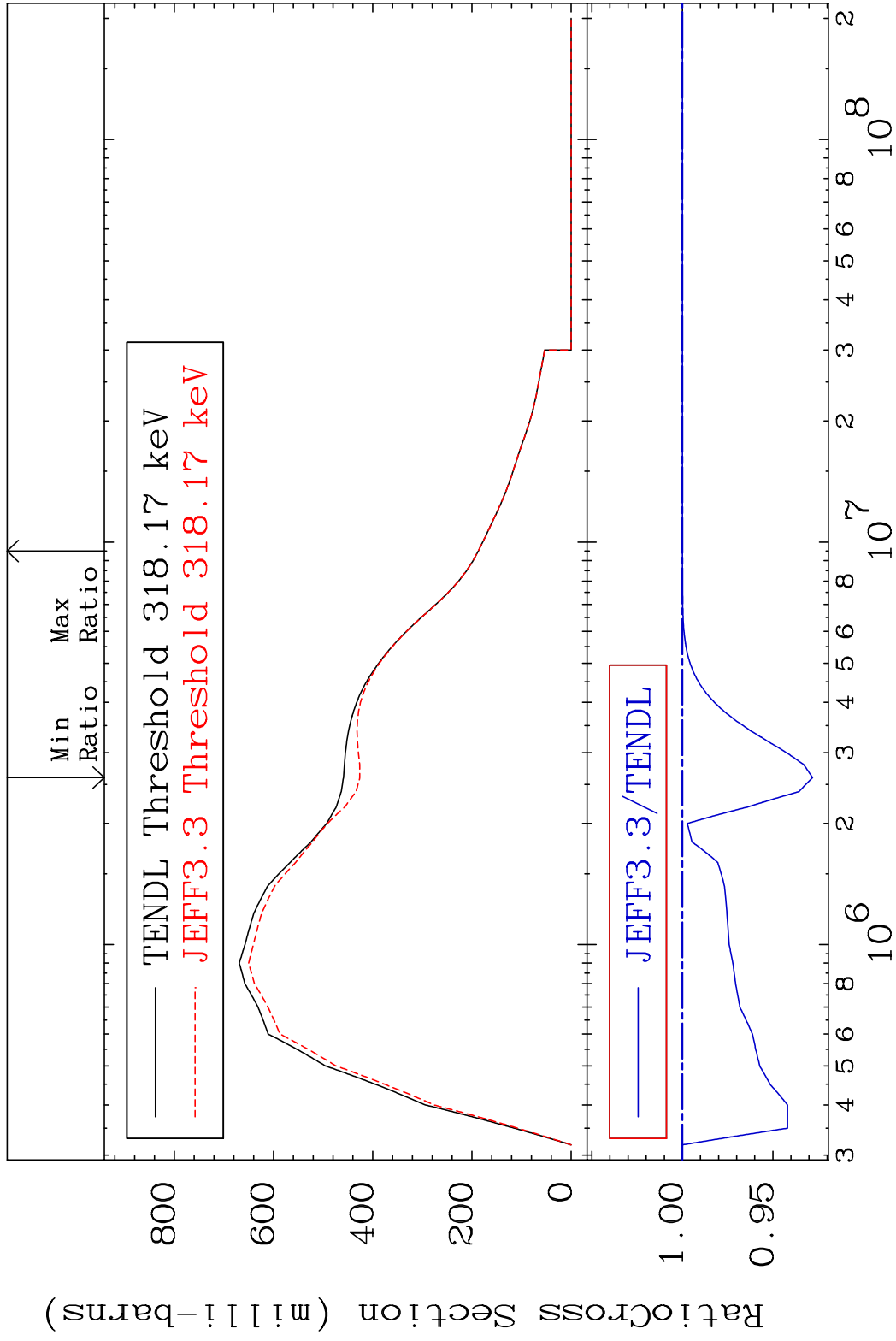


MAT 7831

MT= 51 (n, n') Level

78-Pt-192

Cross Section -7.196 To 0.000 %

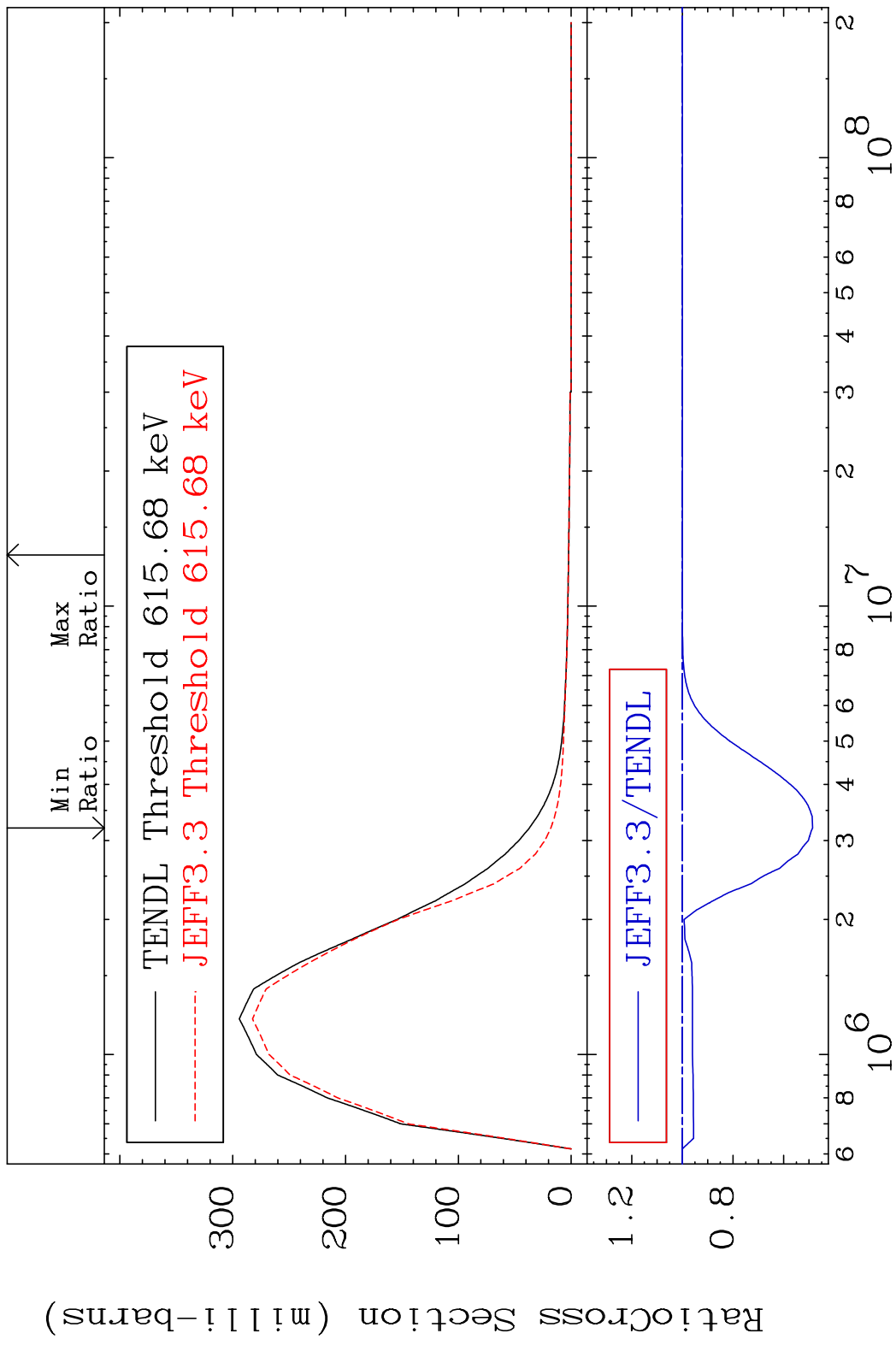


20

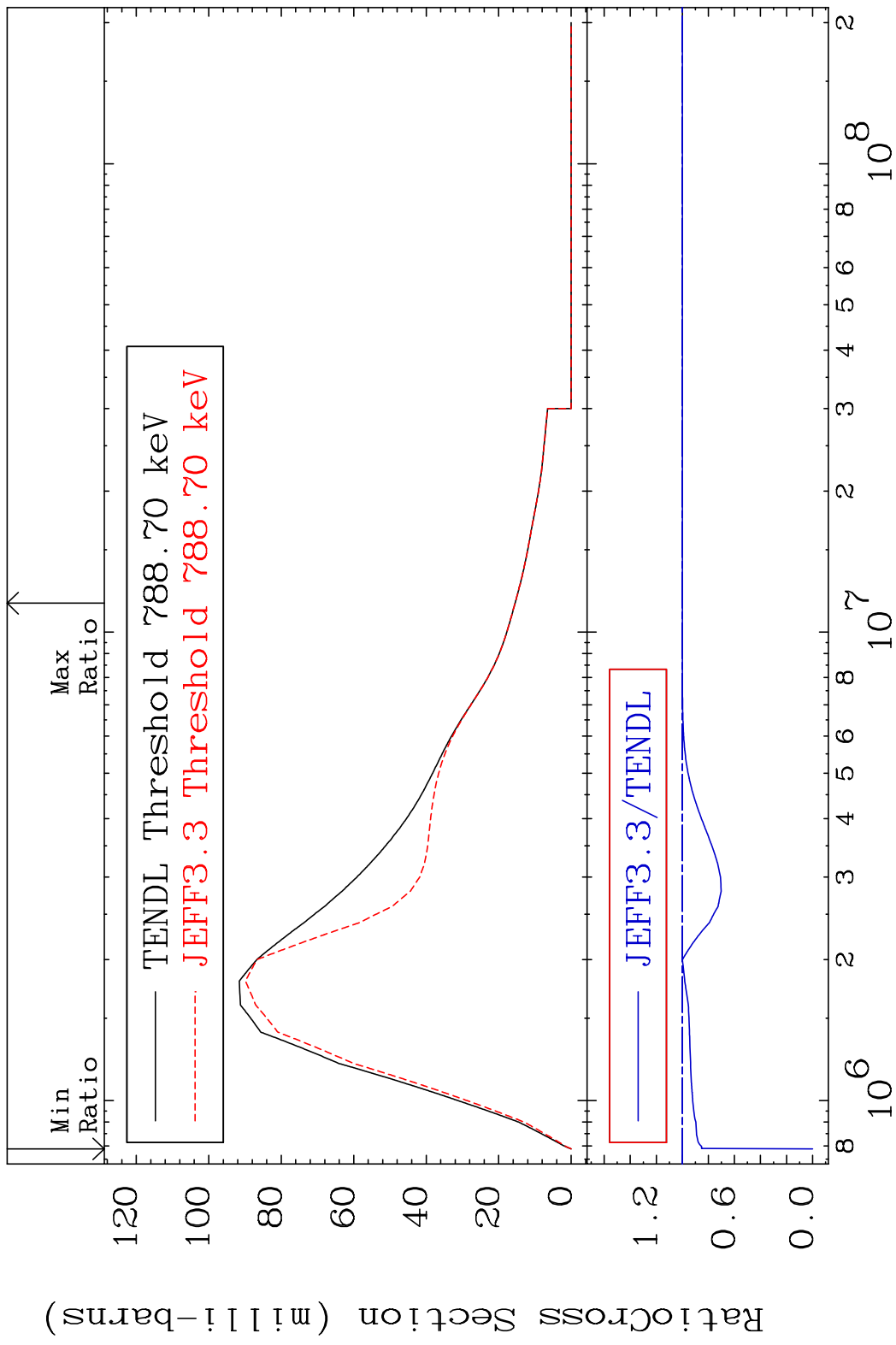
Incident Energy (eV)

78-Pt-192

MAT 7831 MT= 52 (n, n') Level 78-Pt-192  
 Cross Section -51.39 To 0.000 %



MAT 7831 MT= 53 (n, n') Level 78-Pt-192  
 Cross Section -100.0 To 0.000 %

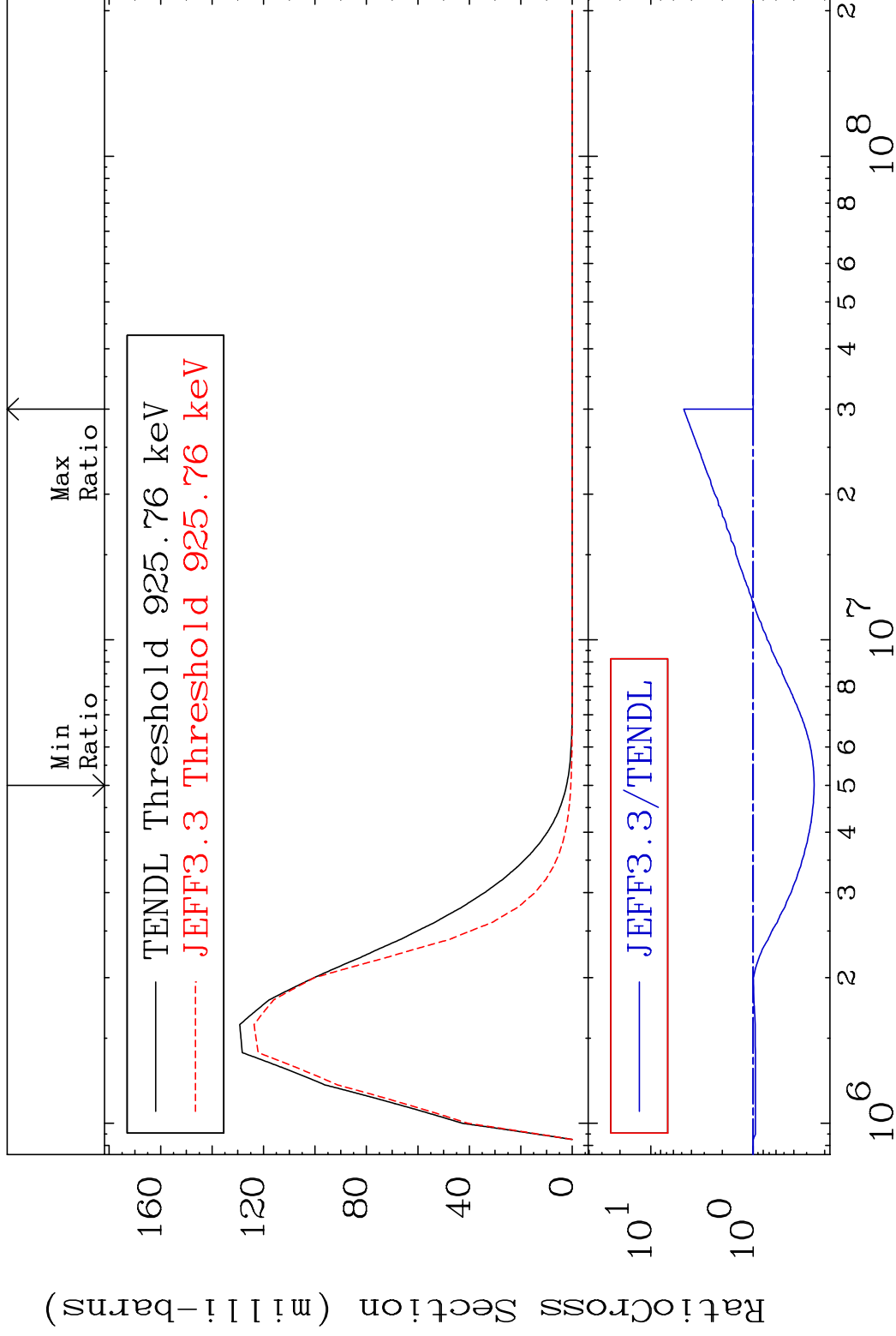


MAT 7831

MT= 54 (n, n') Level

78-Pt-192

Cross Section -74.59 To 377.4 %



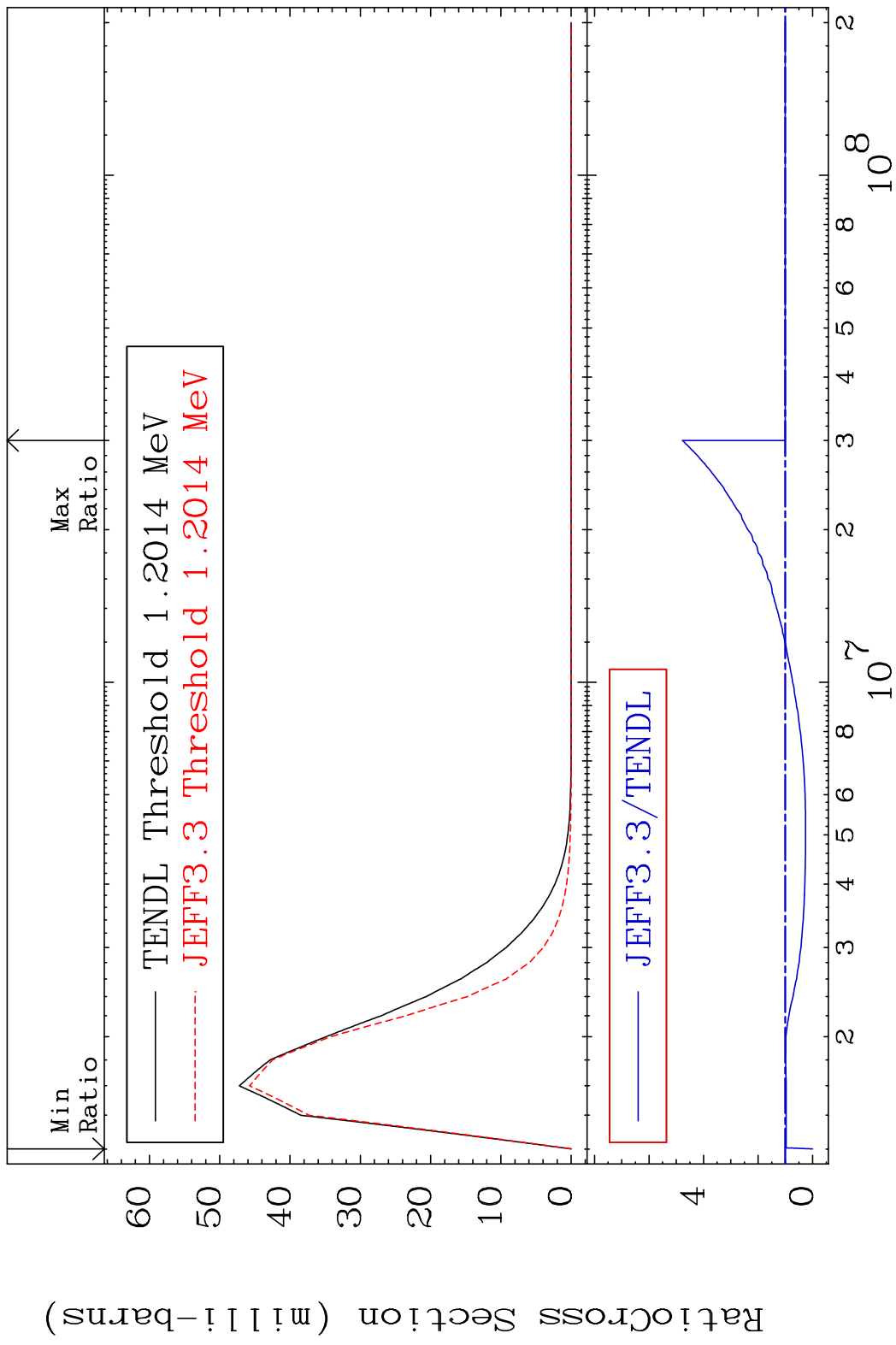
23

Incident Energy (eV)

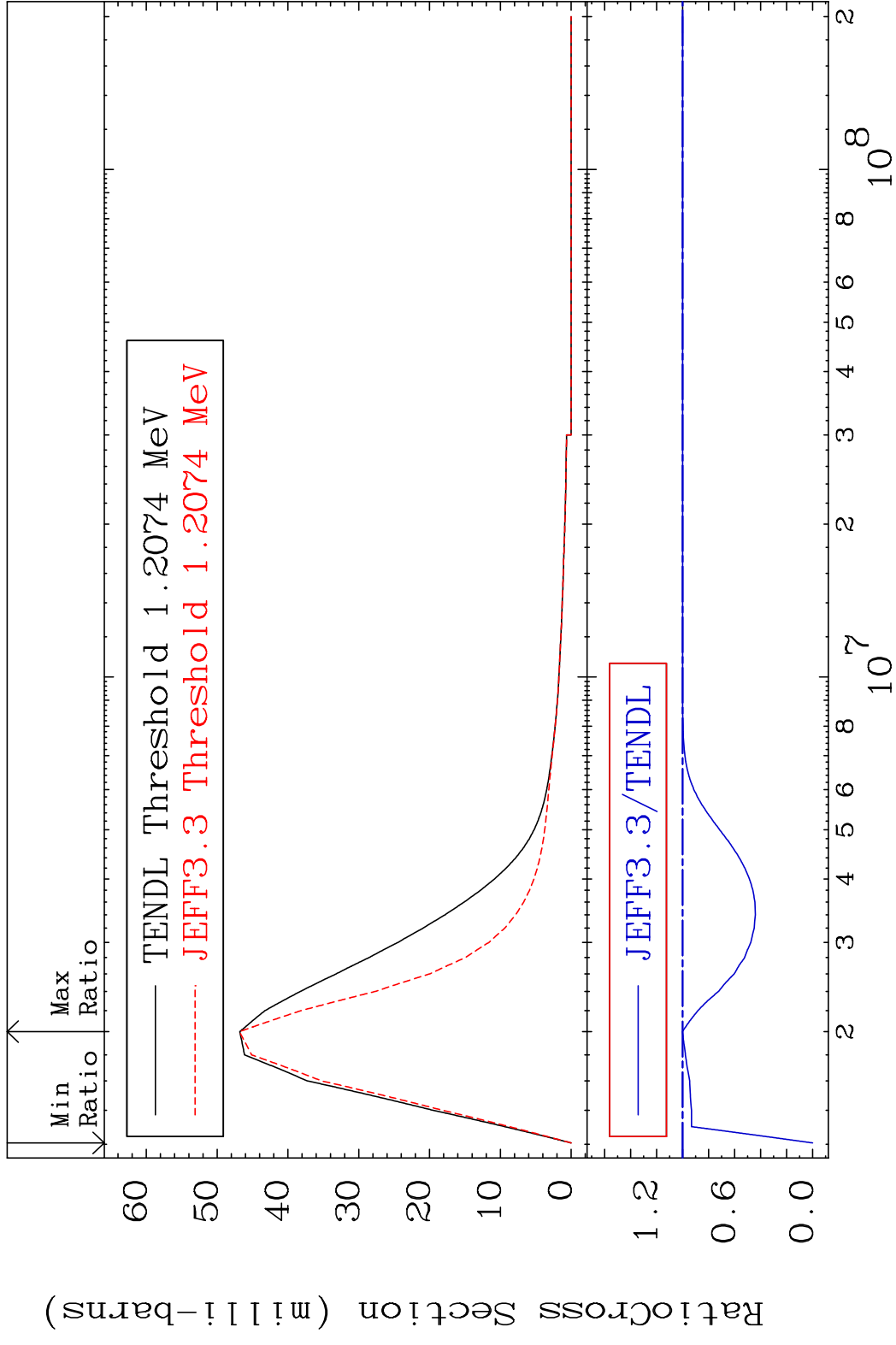
78-Pt-192



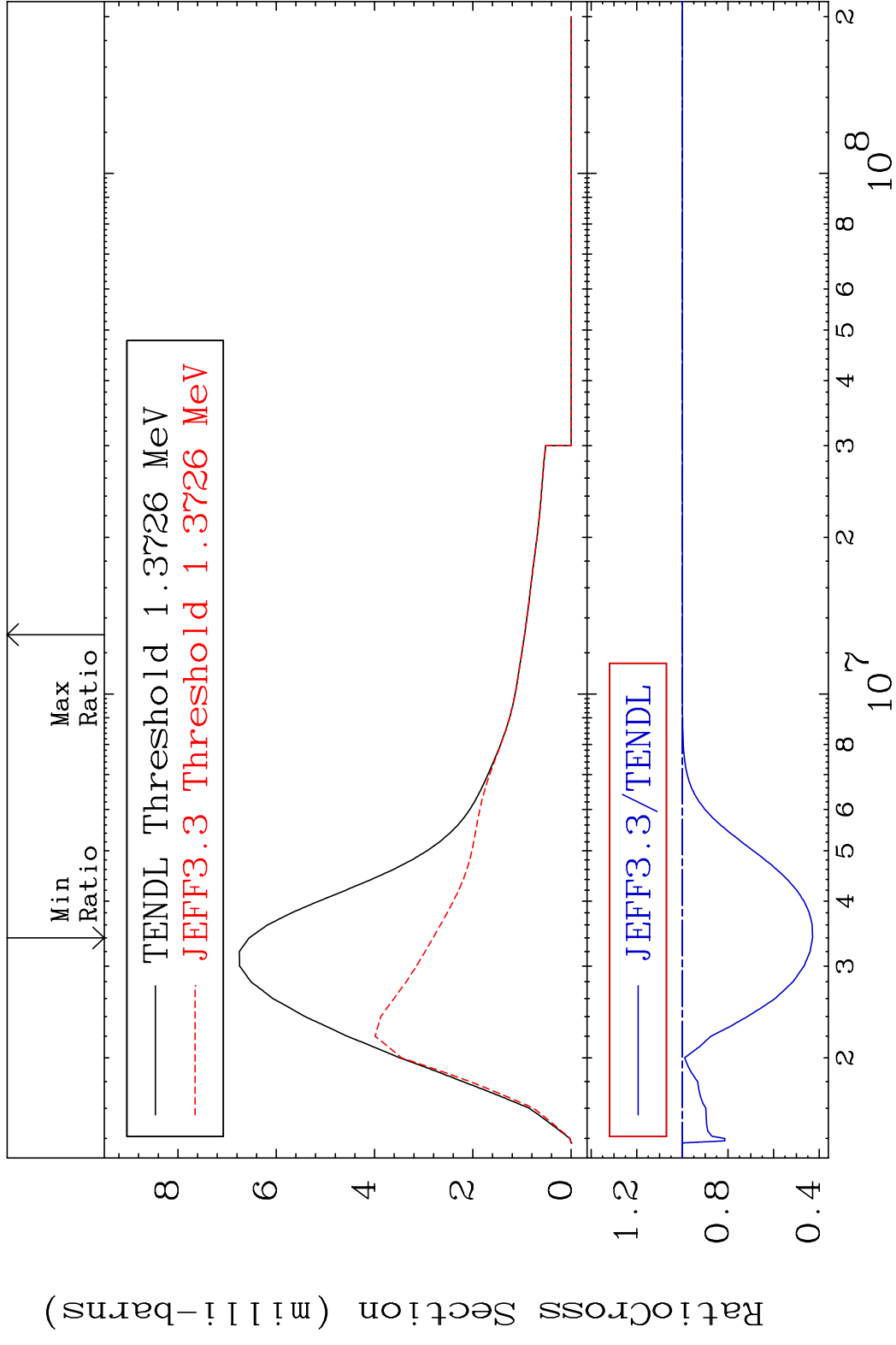
MAT 7831 MT= 55 (n,n') Level 78-Pt-192  
 Cross Section -100.0 To 377.7 %



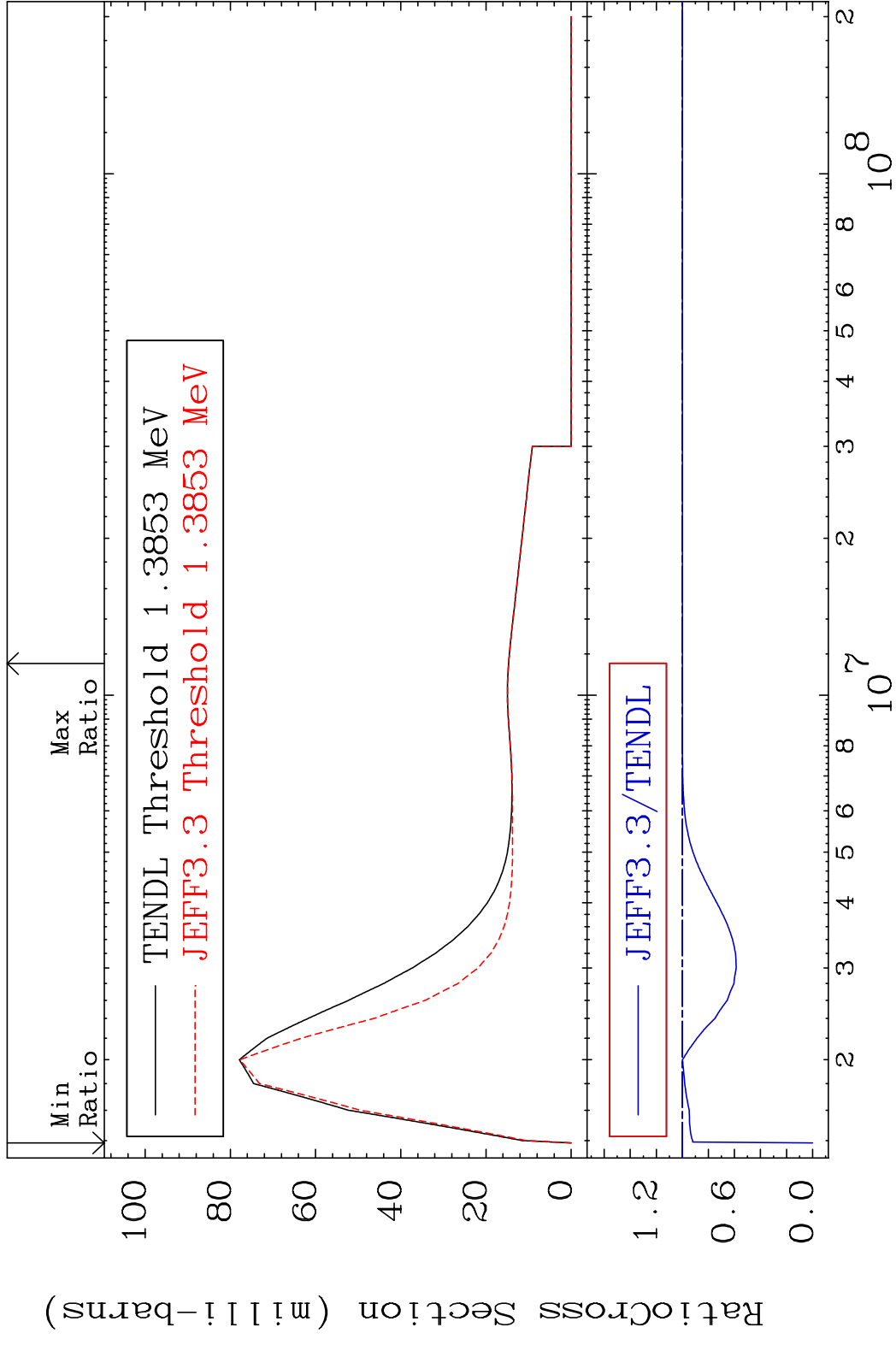
MAT 7831 MT= 56 (n,n') Level 78-Pt-192  
 Cross Section -100.0 To 0.149 %



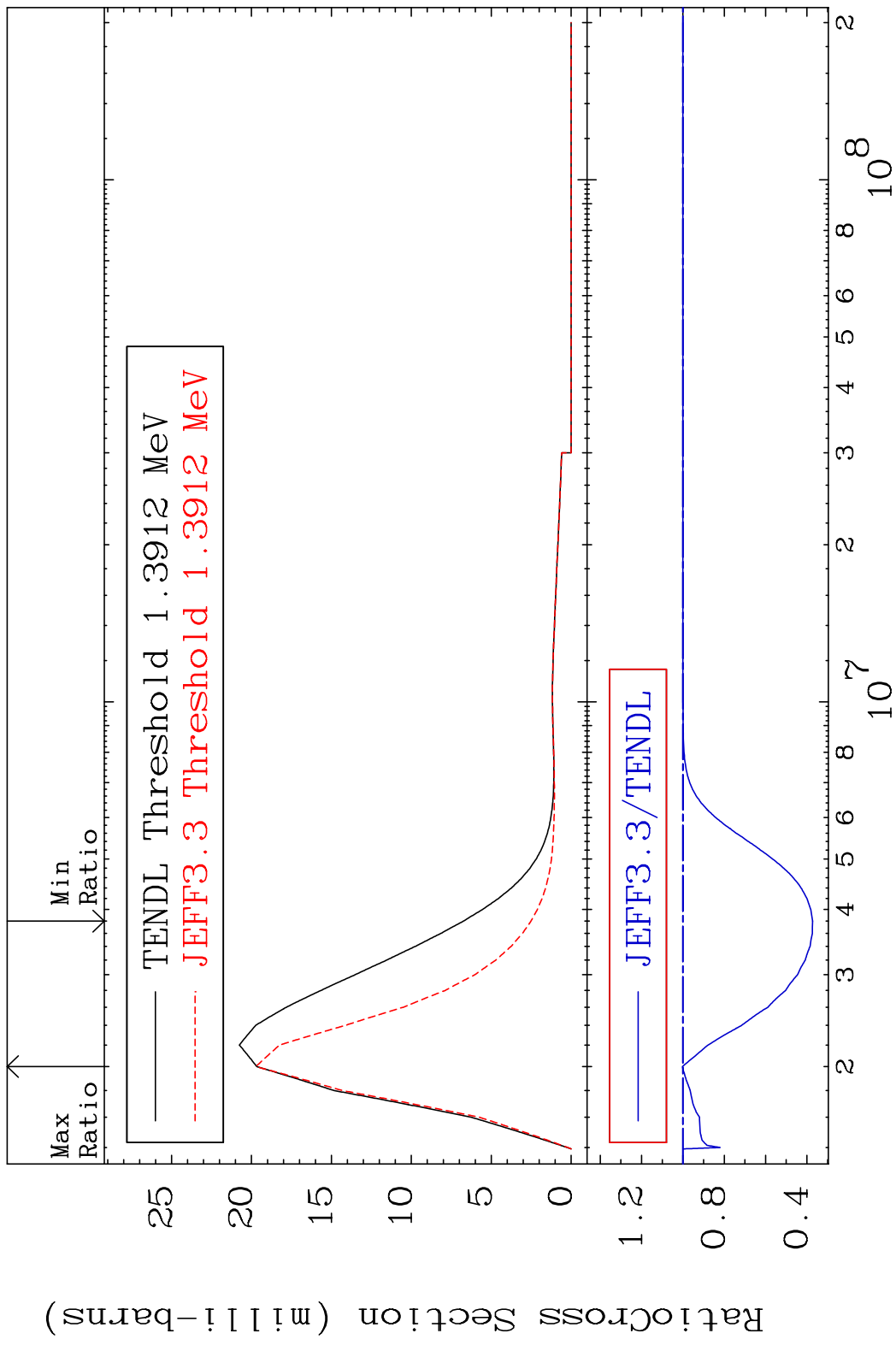
MAT 7831 MT= 57 (n, n') Level 78-Pt-192  
 Cross Section -57.09 To 0.000 %



MAT 7831 MT= 58 (n,n') Level 78-Pt-192  
 Cross Section -100.0 To 0.000 %



MAT 7831 MT= 59 (n,n') Level 78-Pt-192  
 Cross Section -62.72 To 0.277 %

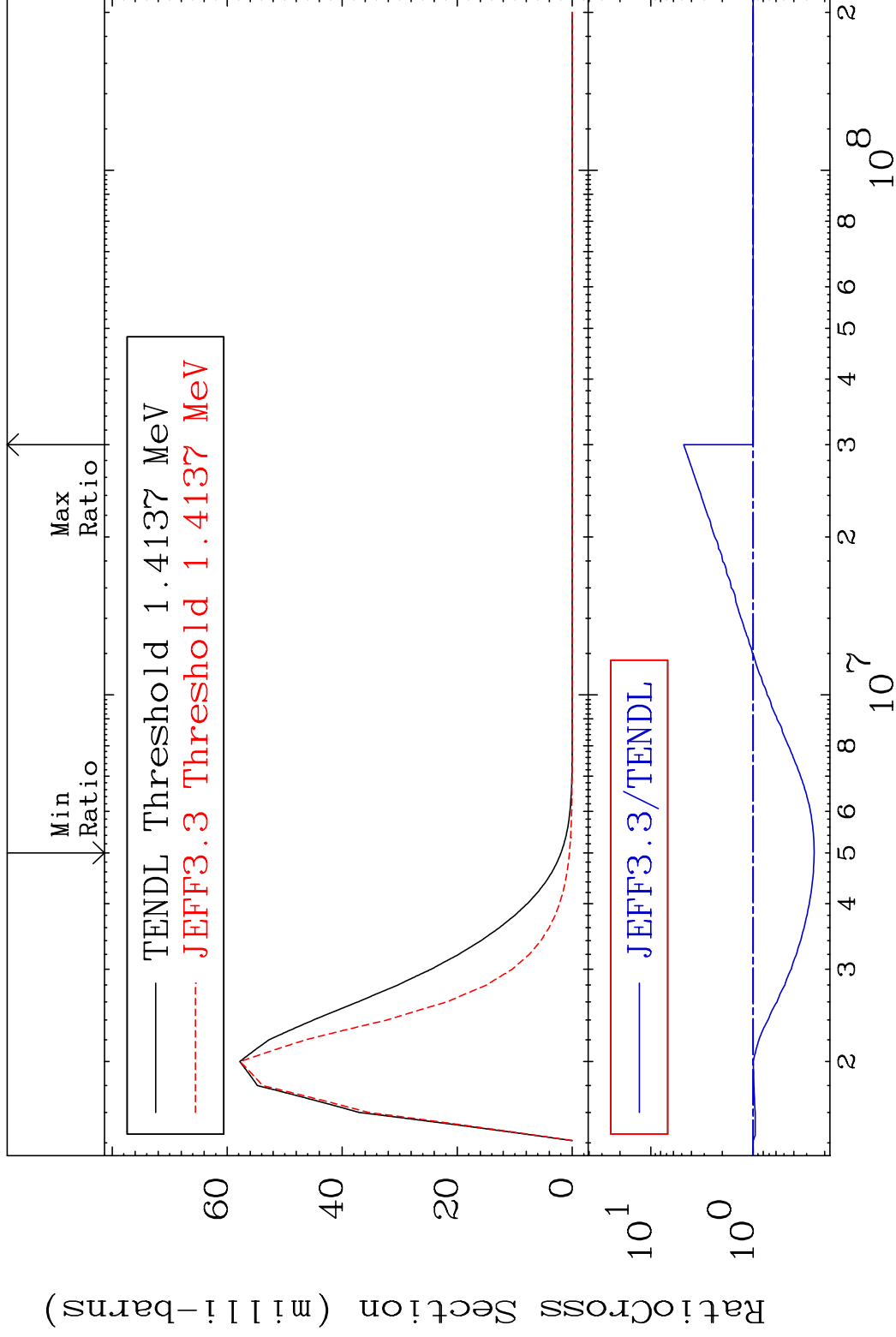


MAT 7831

MT= 60 (n, n') Level

78-Pt-192

Cross Section -74.59 To 377.5 %

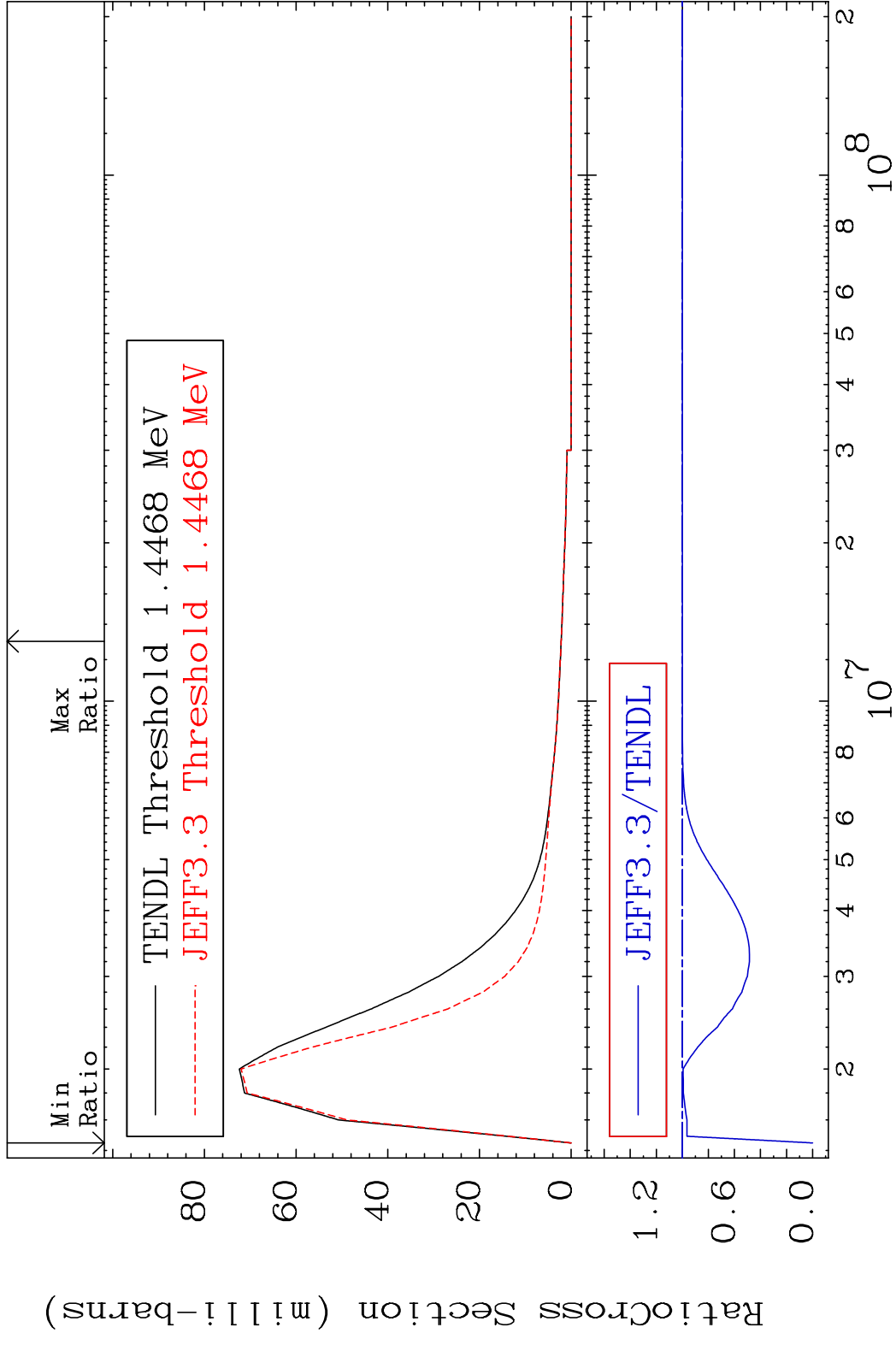


29

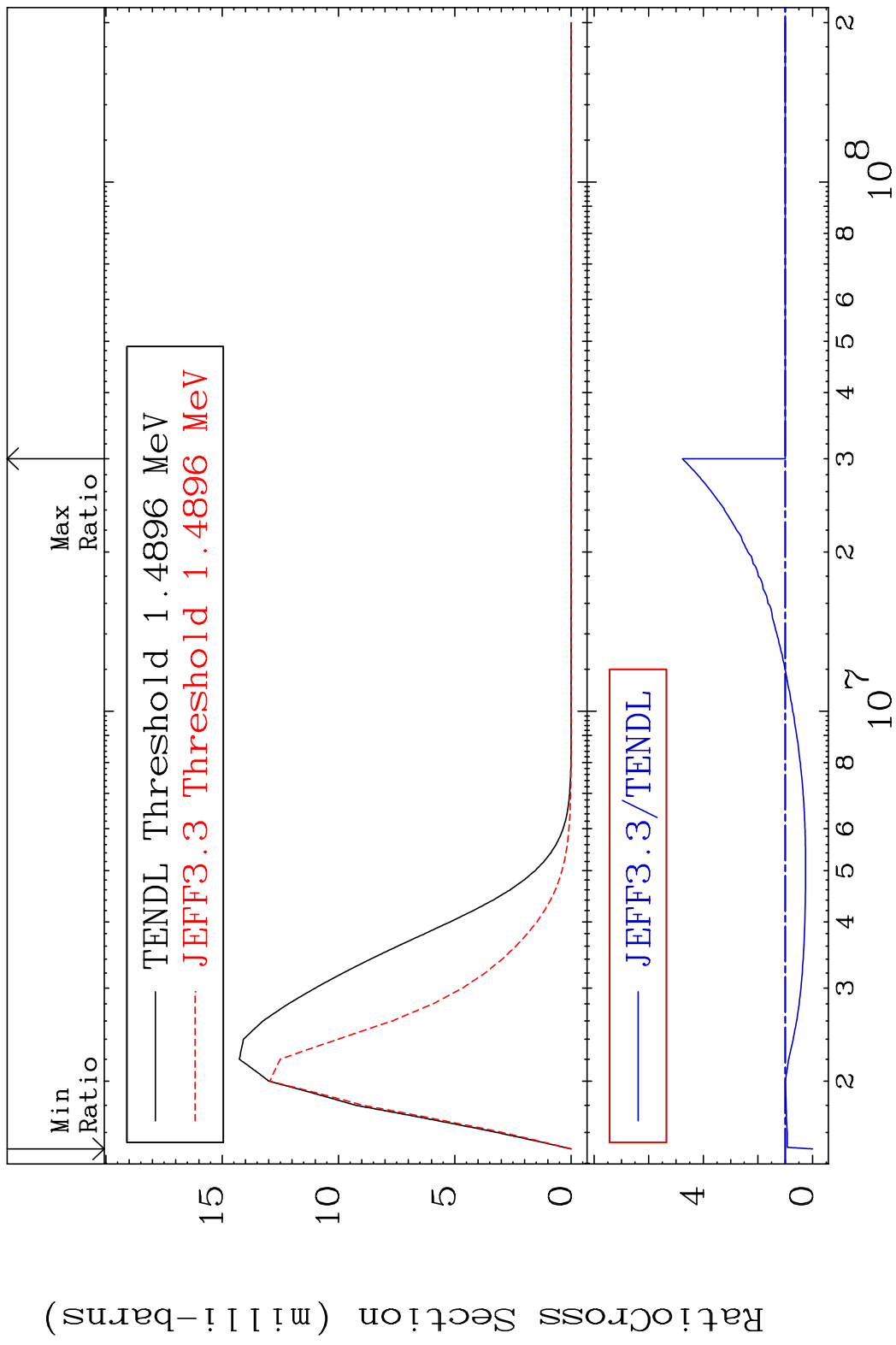
Incident Energy (eV)

78-Pt-192

MAT 7831 MT= 61 (n,n') Level 78-Pt-192  
 Cross Section -100.0 To 0.000 %

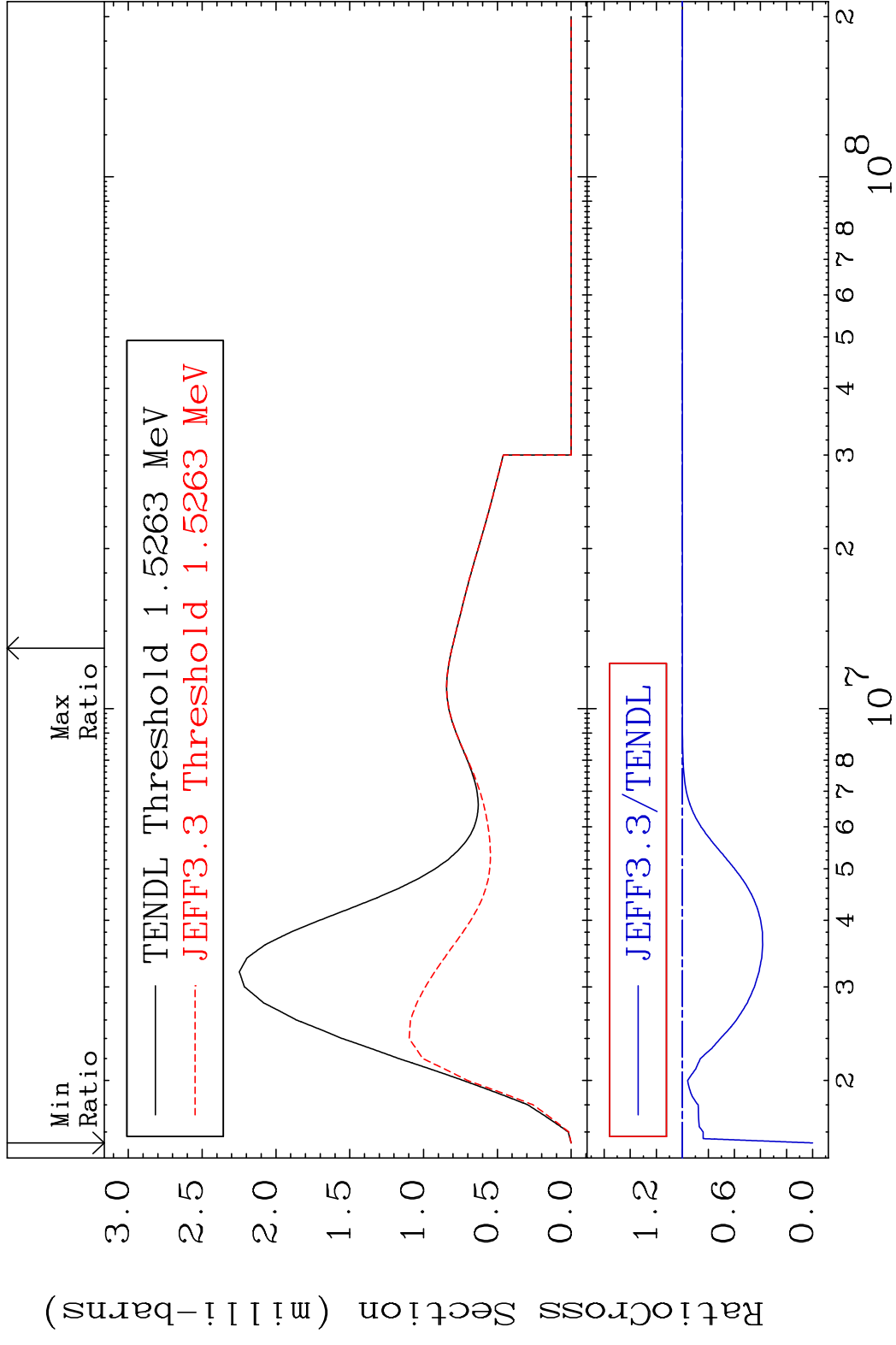


MAT 7831 MT= 62 (n, n') Level 78-Pt-192  
 Cross Section -100.0 To 376.8 %

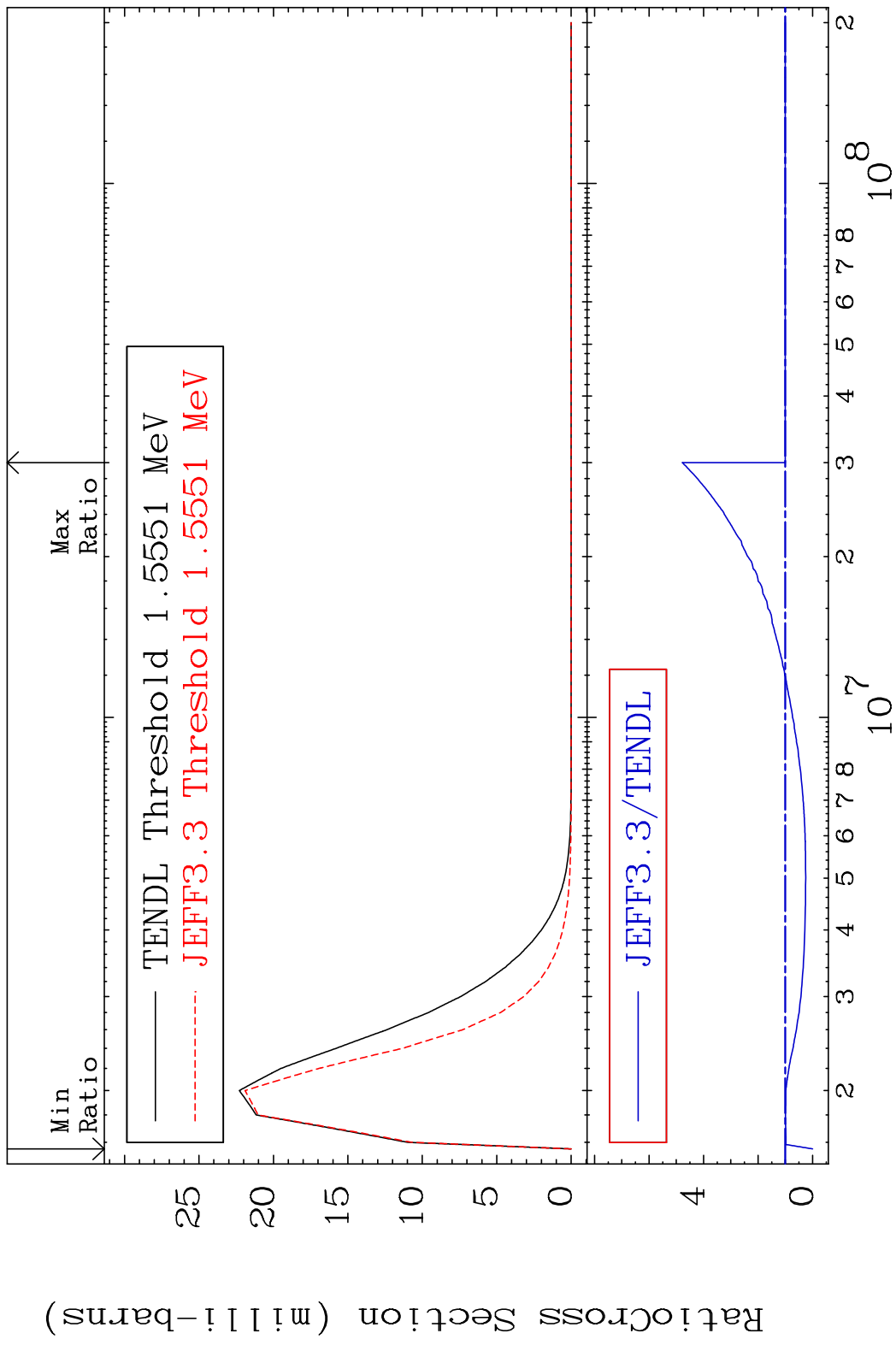




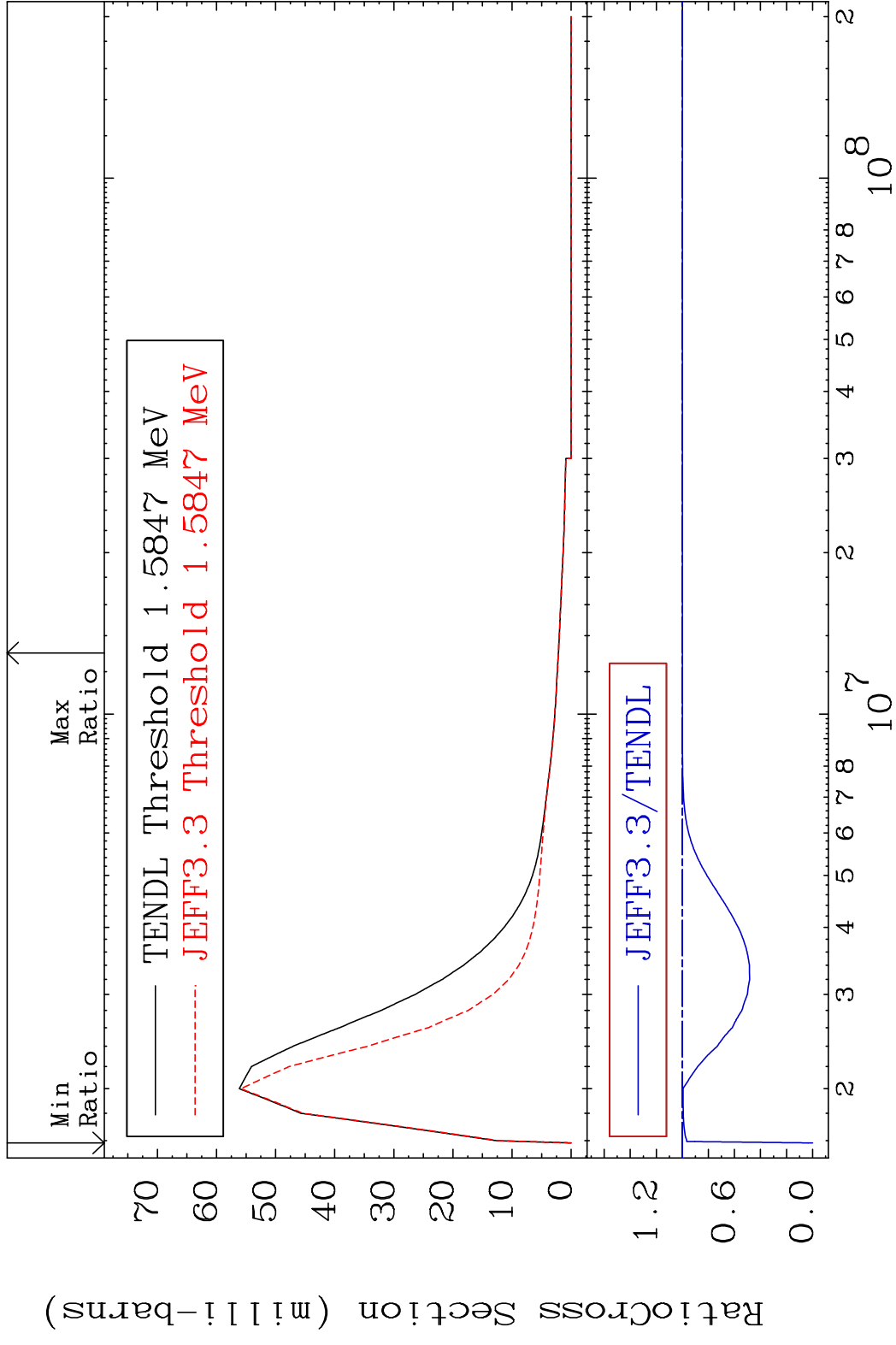
MAT 7831 MT= 63 (n, n') Level 78-Pt-192  
 Cross Section -100.0 To 0.000 %



MAT 7831 MT= 64 (n, n') Level 78-Pt-192  
 Cross Section -100.0 To 377.8 %



MAT 7831 MT= 65 (n,n') Level 78-Pt-192  
 Cross Section -100.0 To 0.000 %

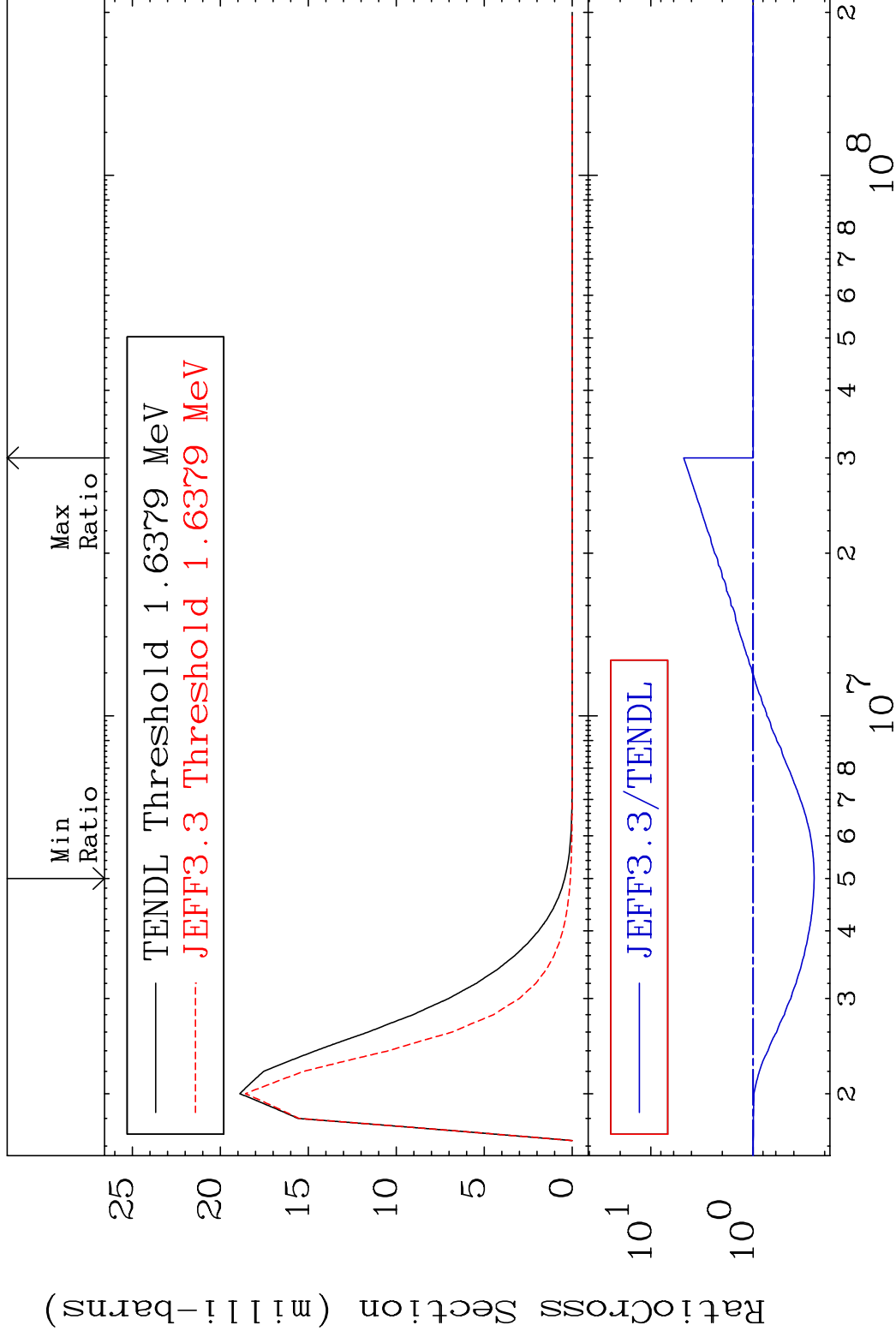


MAT 7831

MT= 66 (n,n') Level

78-Pt-192

Cross Section -74.67 To 377.8 %

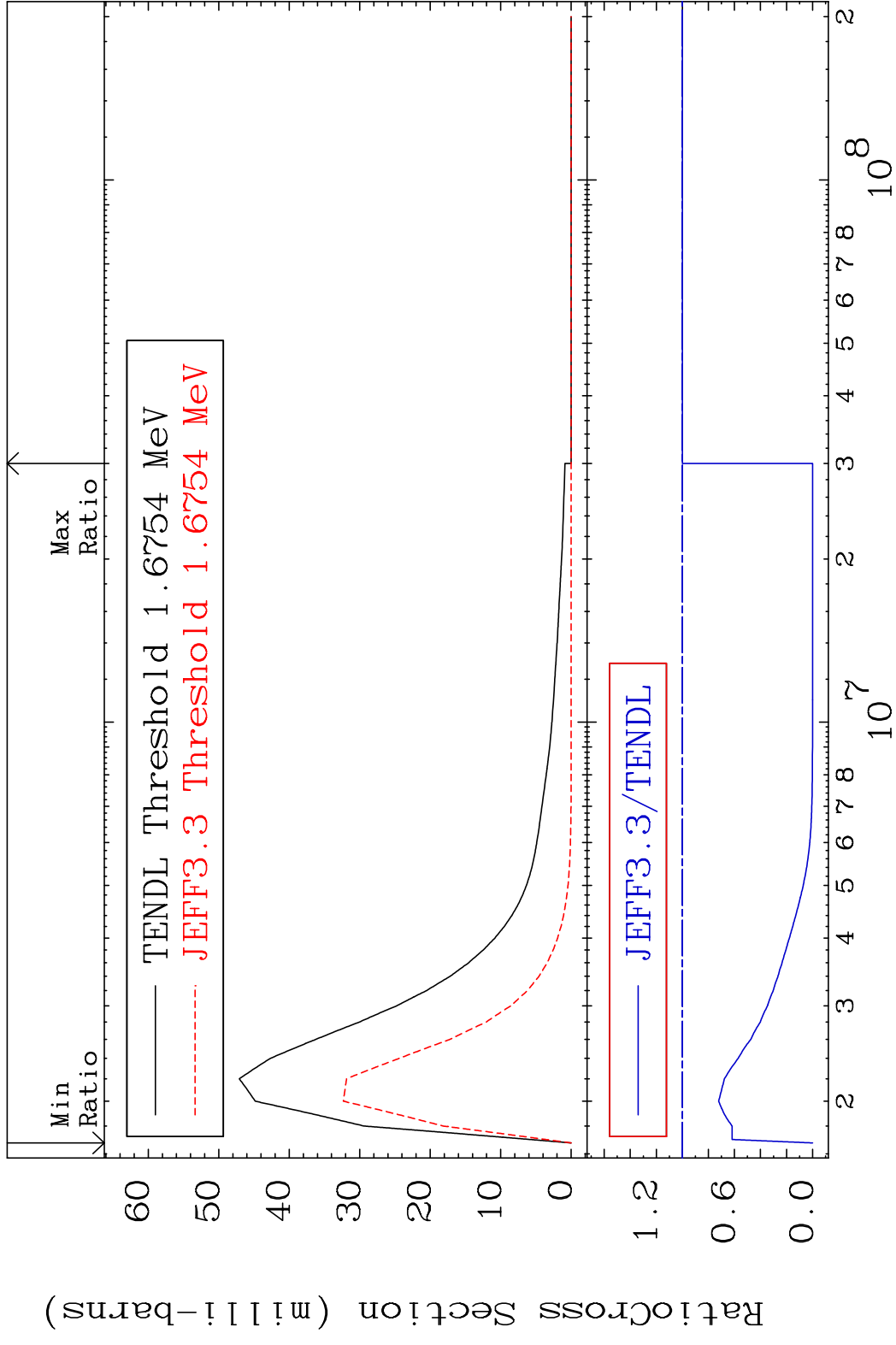


35

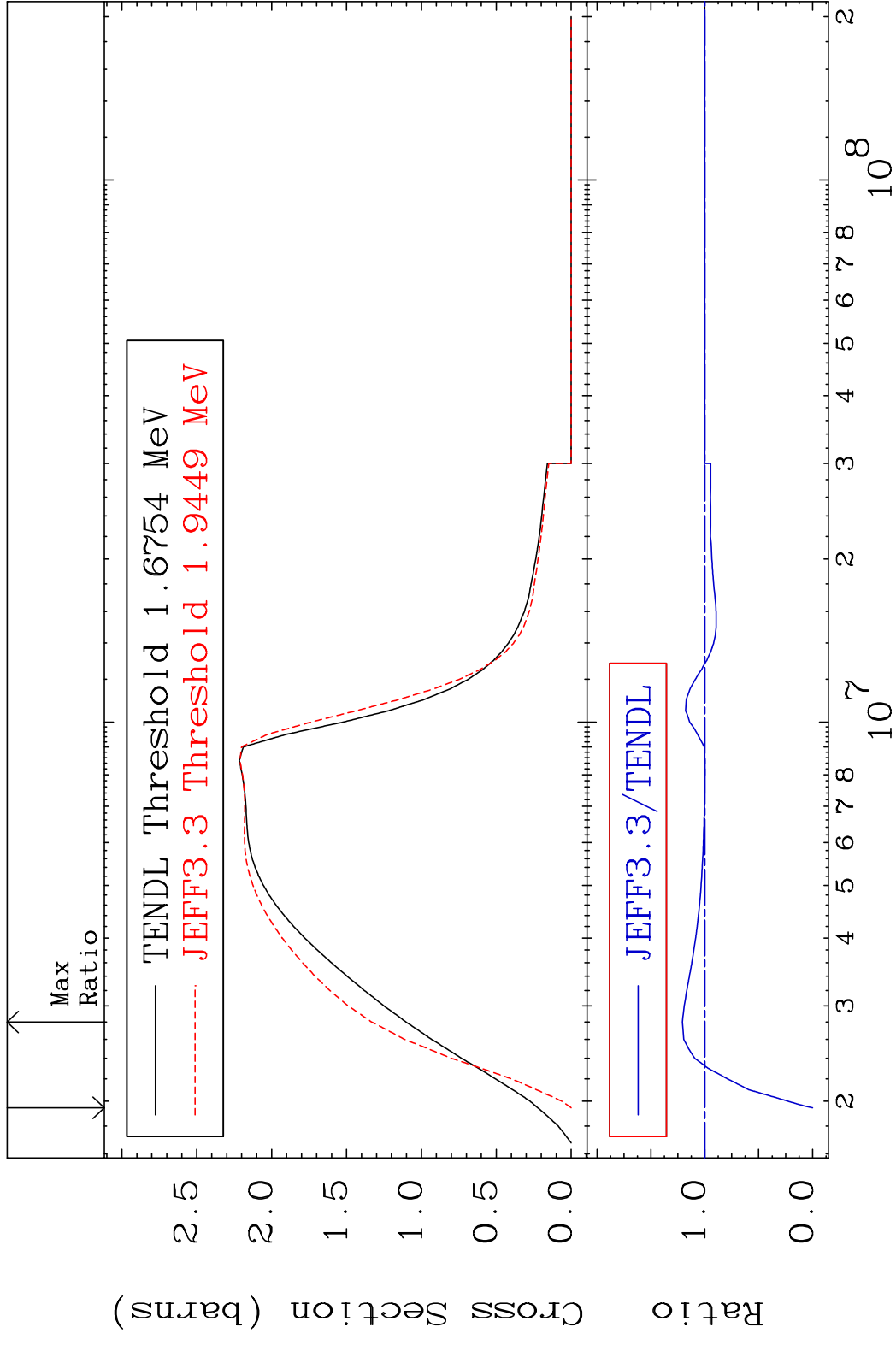
Incident Energy (eV)

78-Pt-192

MAT 7831 MT= 67 (n, n') Level 78-Pt-192  
 Cross Section -100.0 To 0.000 %



MAT 7831 (n, n') Continuum 78-Pt-192  
 Cross Section -100.0 To 20.80 %



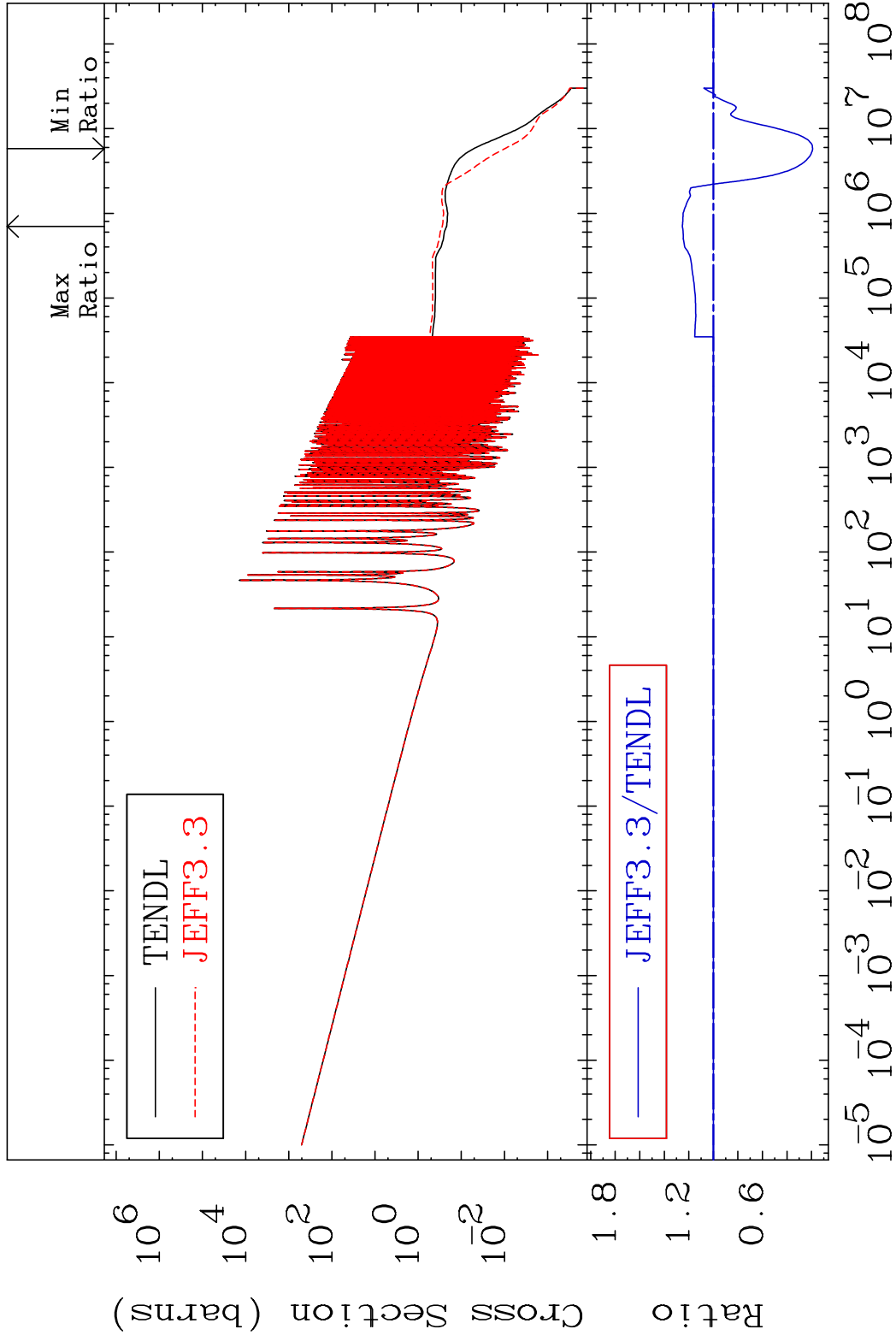
MAT 7831

(n,  $\gamma$ )

78-Pt-192

Cross Section

-80.86 To 25.27 %



38

Incident Energy (eV)

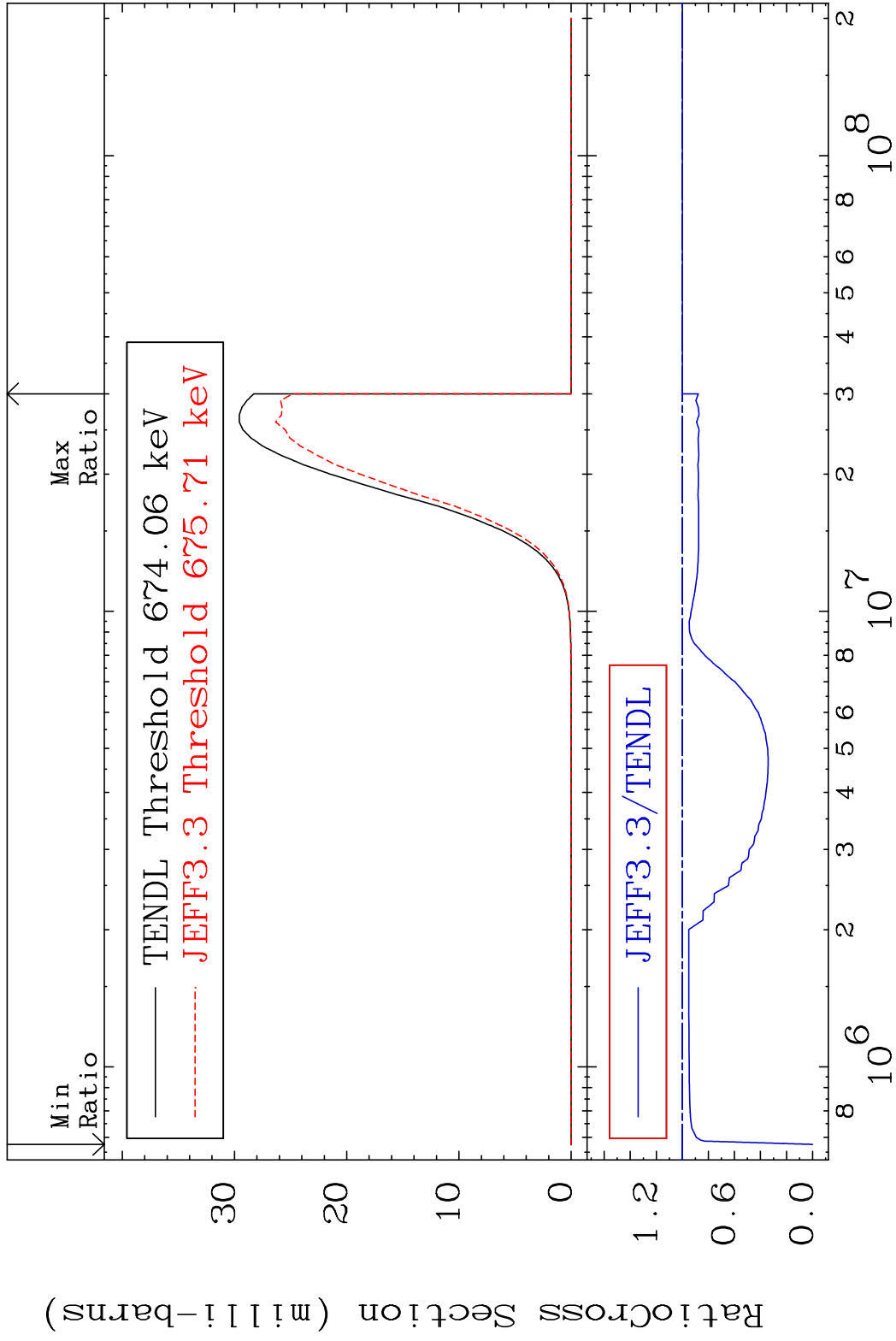
78-Pt-192

MAT 7831

(n,p)

78-Pt-192

Cross Section -100.0 To 0.000 %



39

Incident Energy (eV)

78-Pt-192

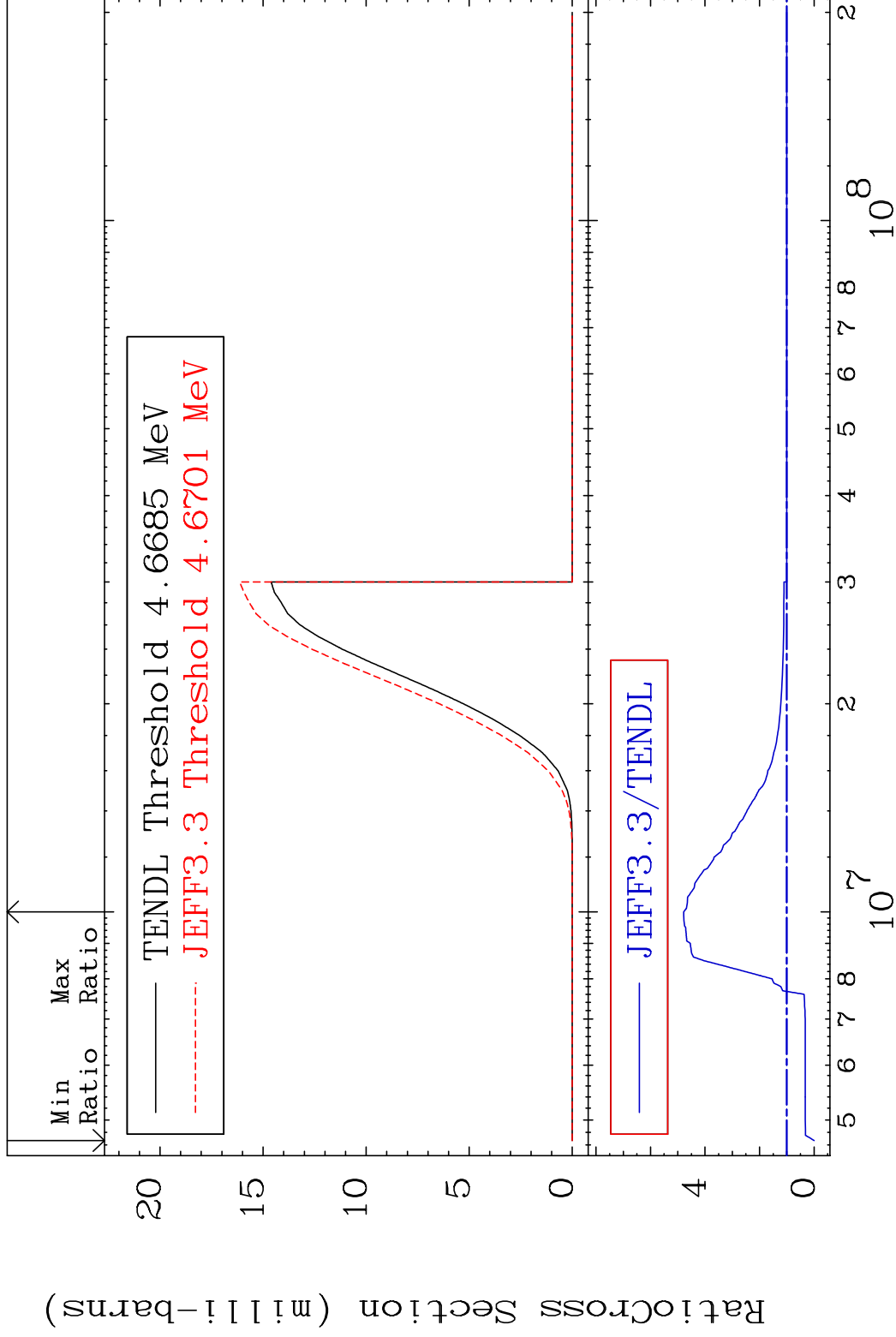


MAT 7831

(n,d)

78-Pt-192

Cross Section -100.0 To 378.5 %



40

Incident Energy (eV)

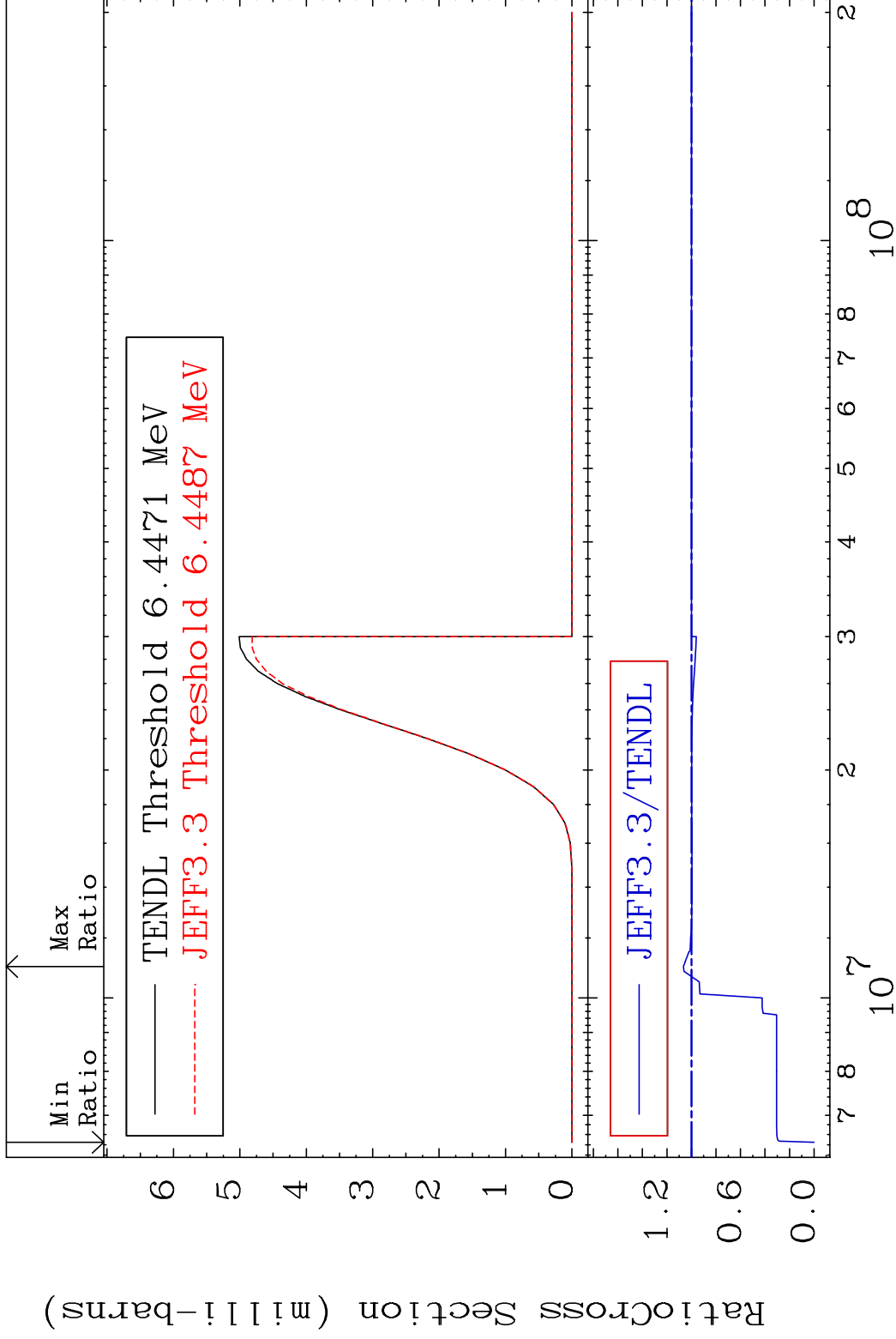
78-Pt-192

MAT 7831

(n, t)

78-Pt-192

Cross Section -100.0 To 6.531 %



41

Incident Energy (eV)

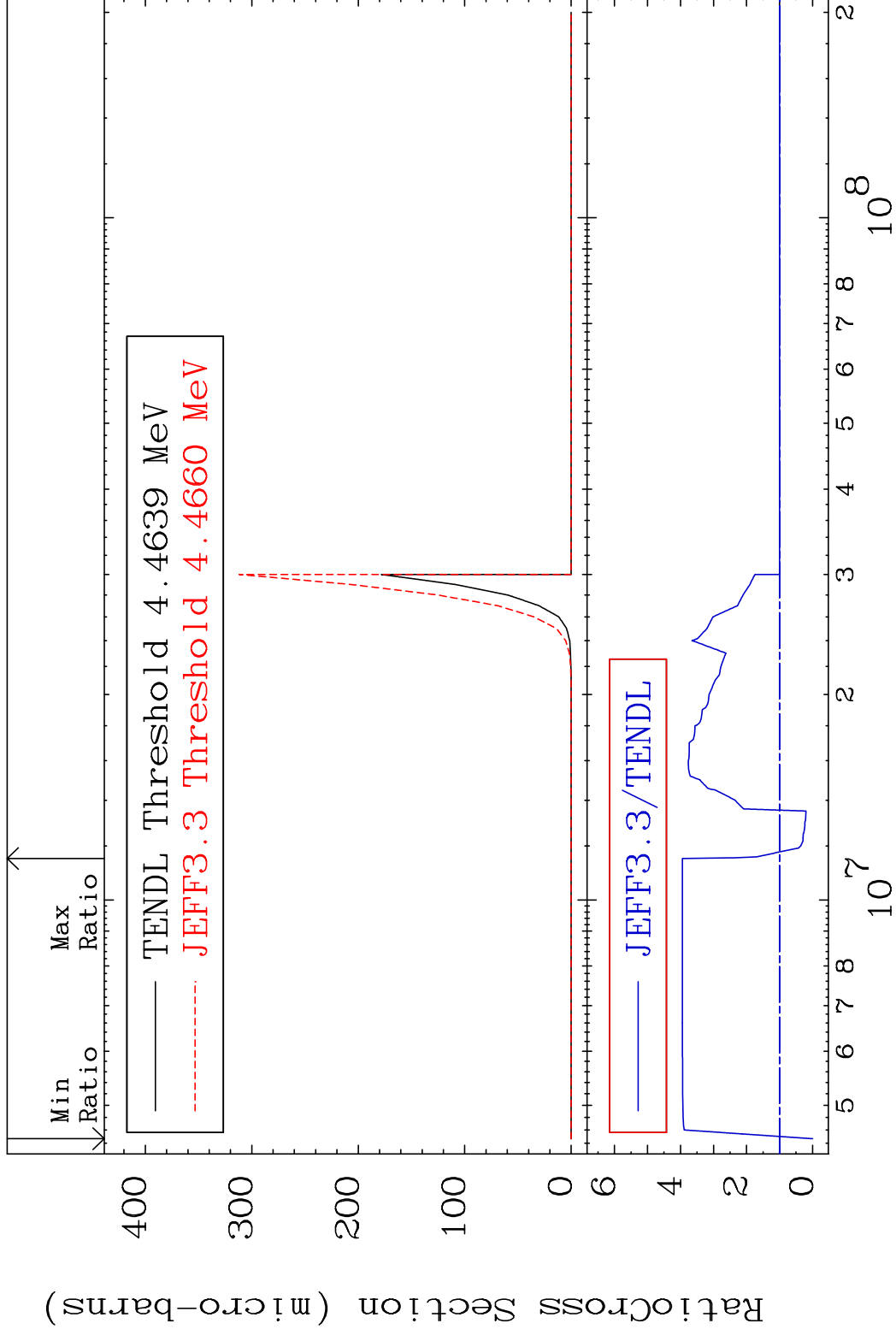
78-Pt-192

MAT 7831

(n, He-3)

78-Pt-192

Cross Section -100.0 To 294.5 %



42

Incident Energy (eV)

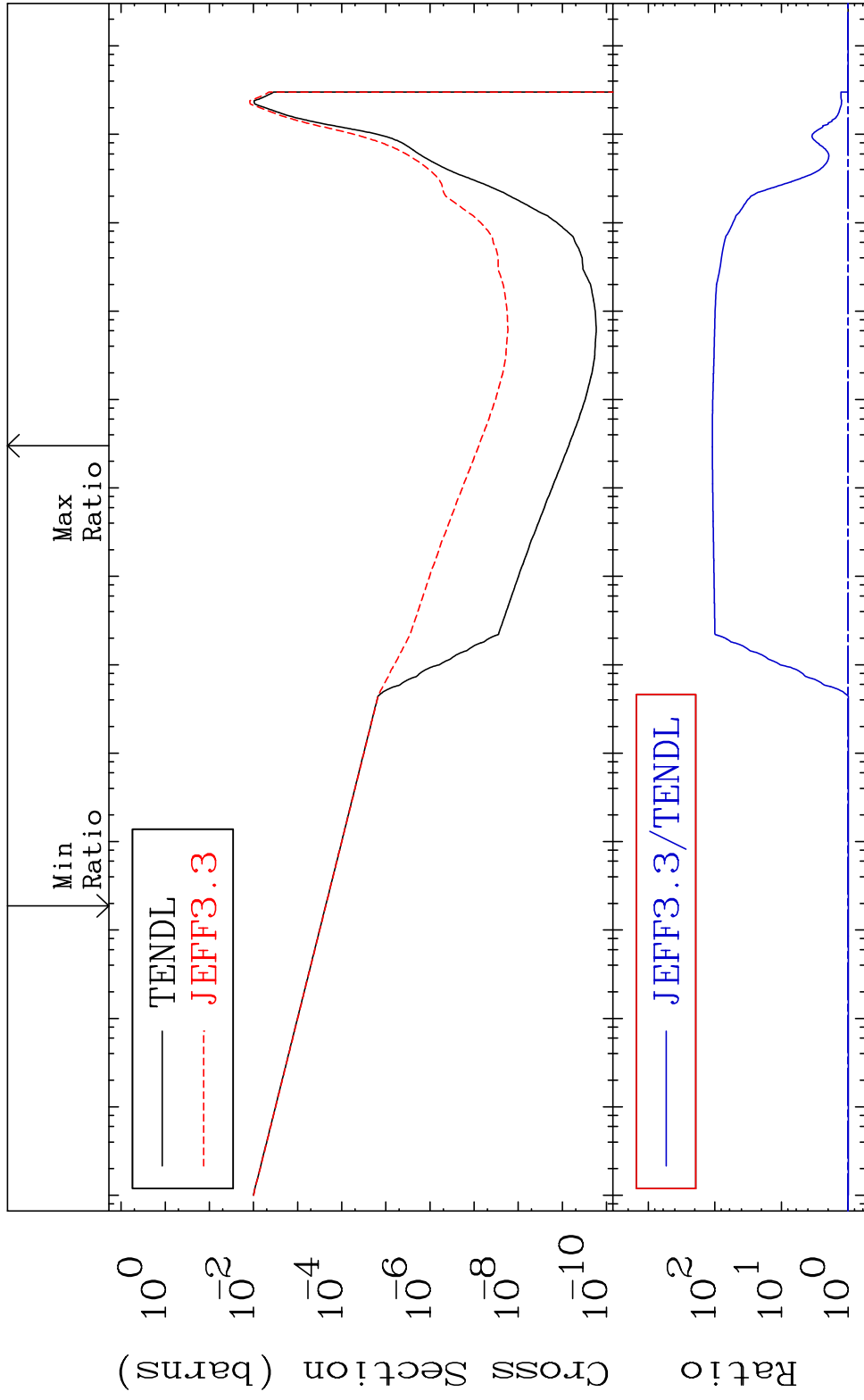
78-Pt-192

MAT 7831

(n,  $\alpha$ )

78-Pt-192

Cross Section -0.804 To 9999. %



43

Incident Energy (eV)

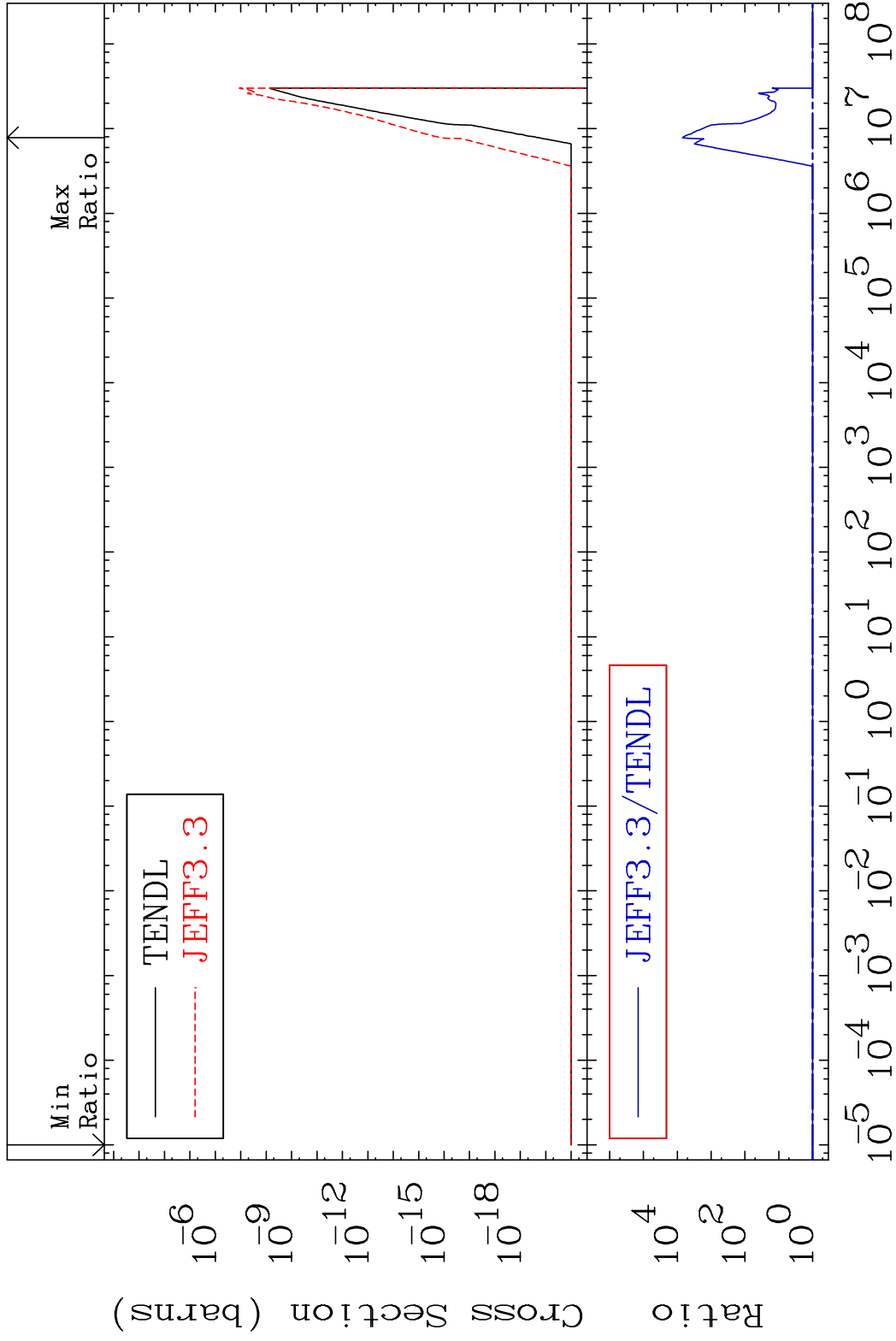
78-Pt-192

MAT 7831

(n,2α)

78-Pt-192

Cross Section 0.000 To 9999. %

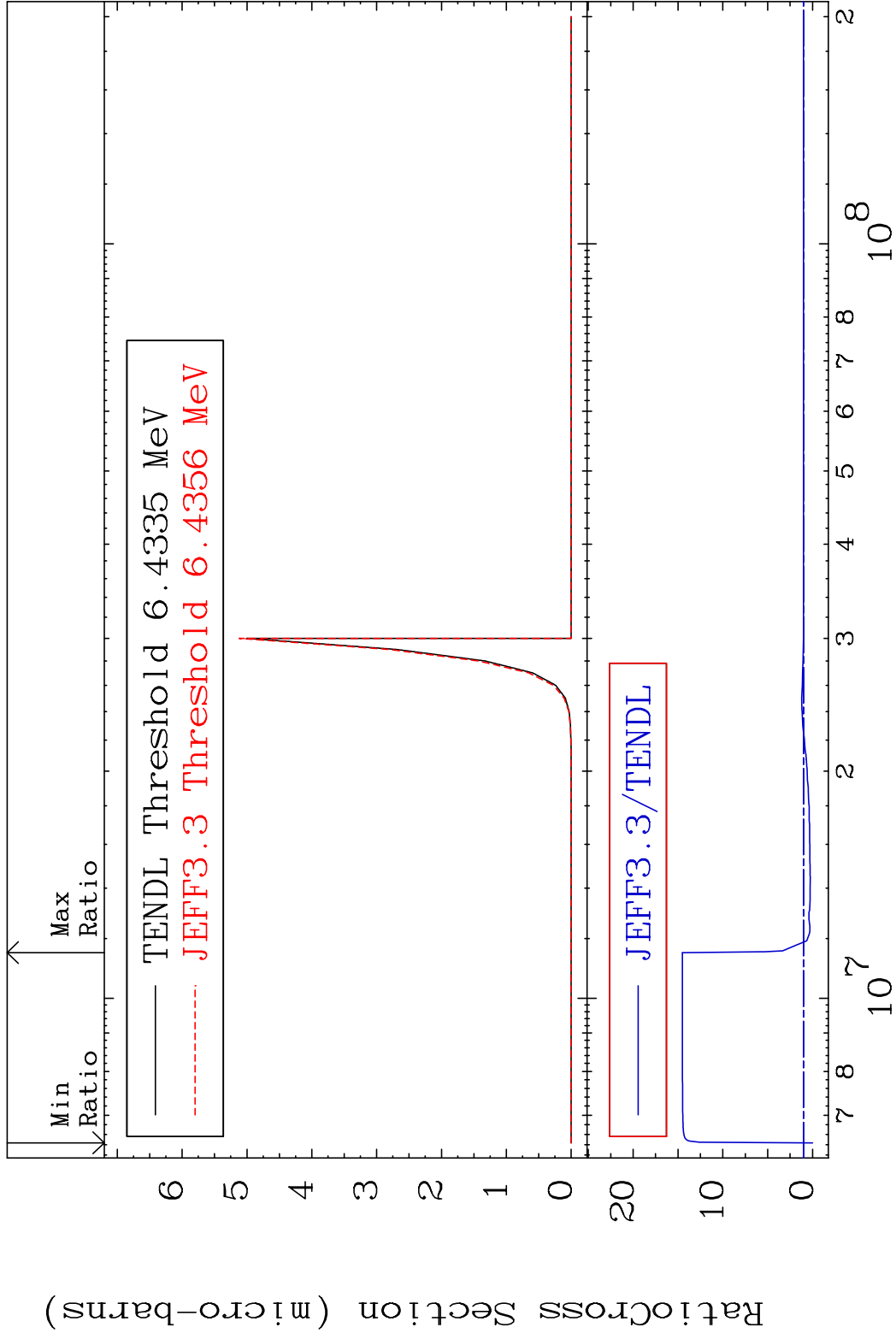


MAT 7831

(n,2p)

78-Pt-192

Cross Section -100.0 To 1352. %



45

Incident Energy (eV)

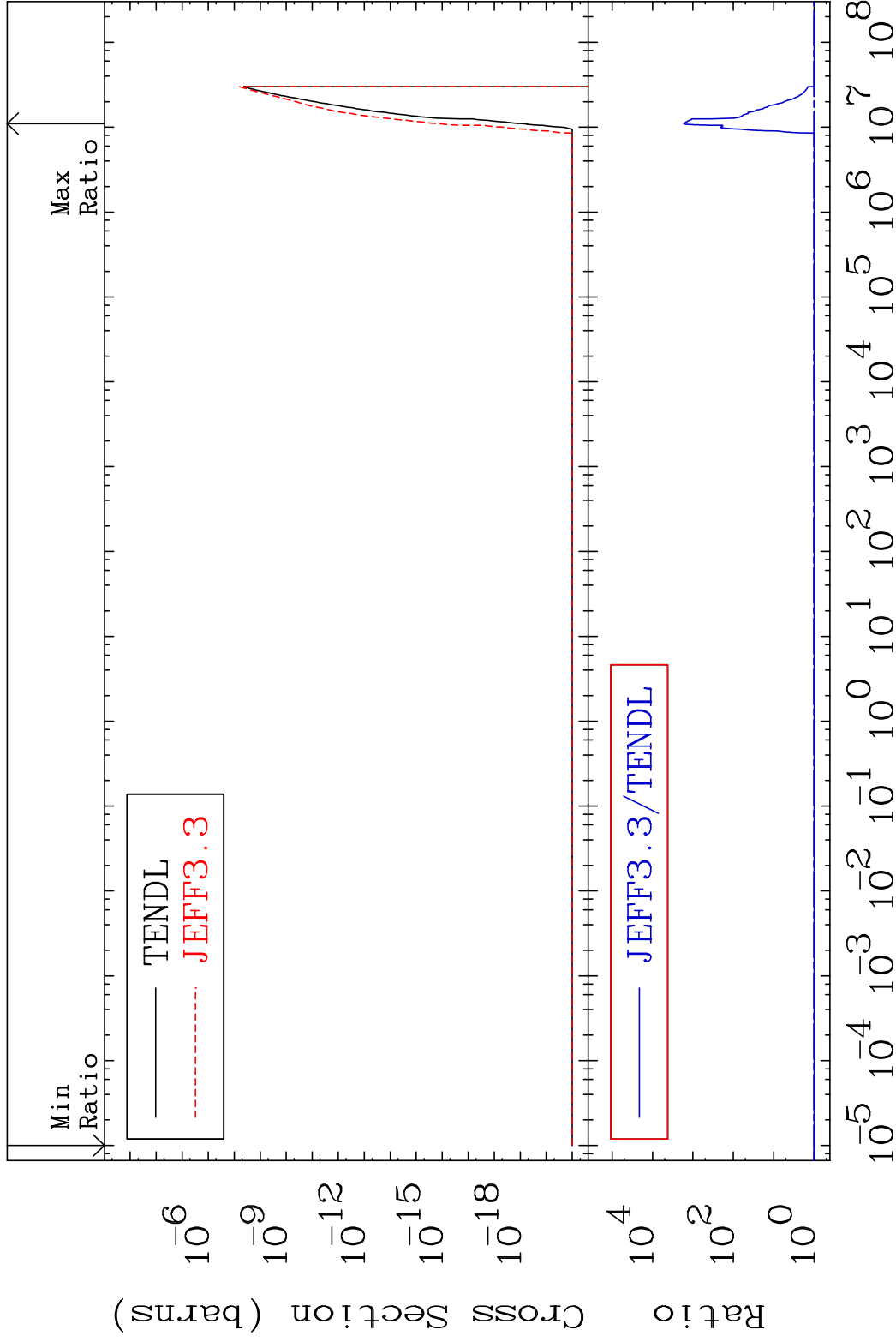
78-Pt-192

MAT 7831

(n,p)  $\alpha$

78-Pt-192

Cross Section 0.000 To 9999. %



46

Incident Energy (eV)

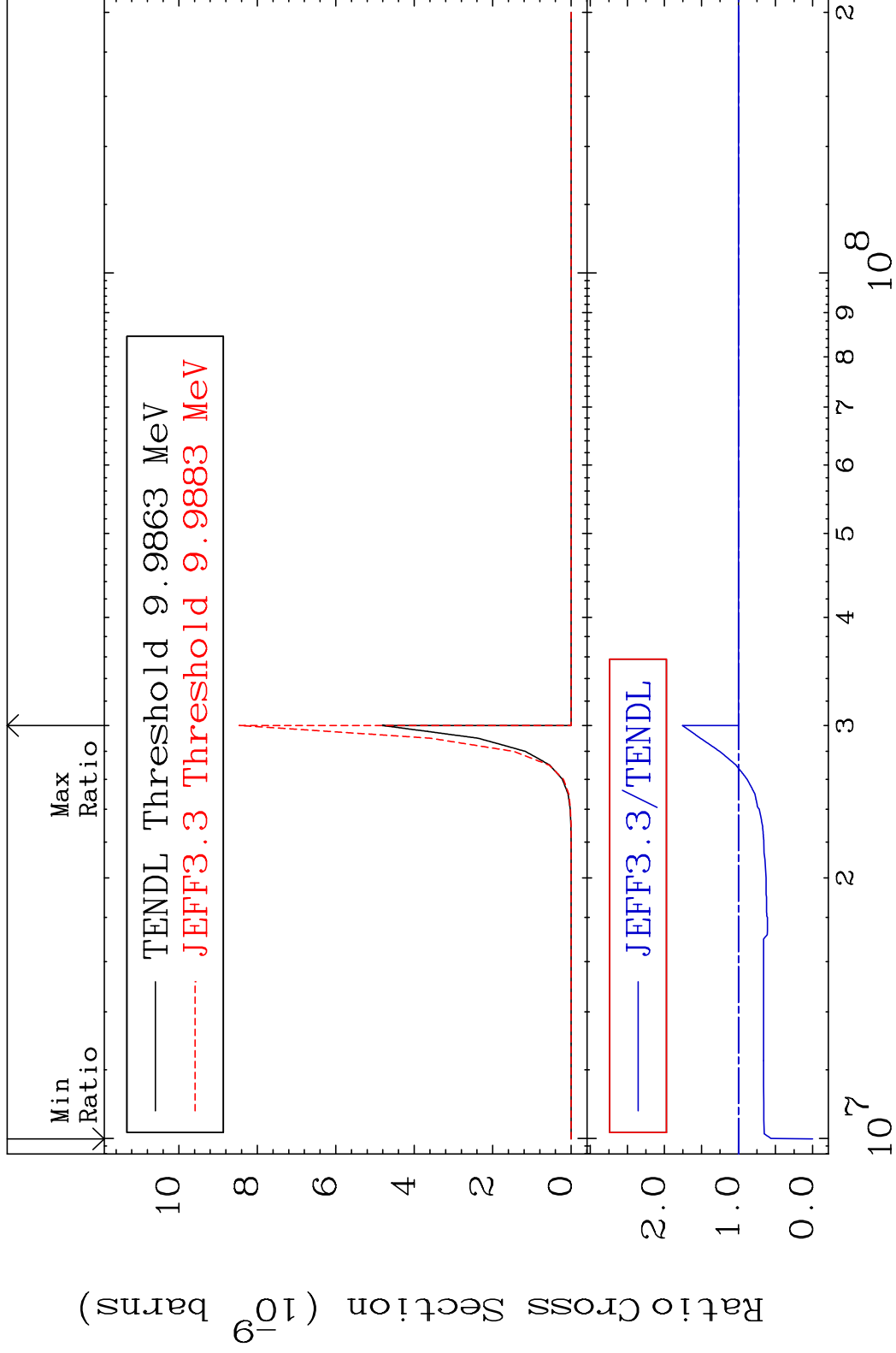
78-Pt-192

MAT 7831

(n,p) d

78-Pt-192

Cross Section -100.0 To 75.80 %



47

Incident Energy (eV)

78-Pt-192

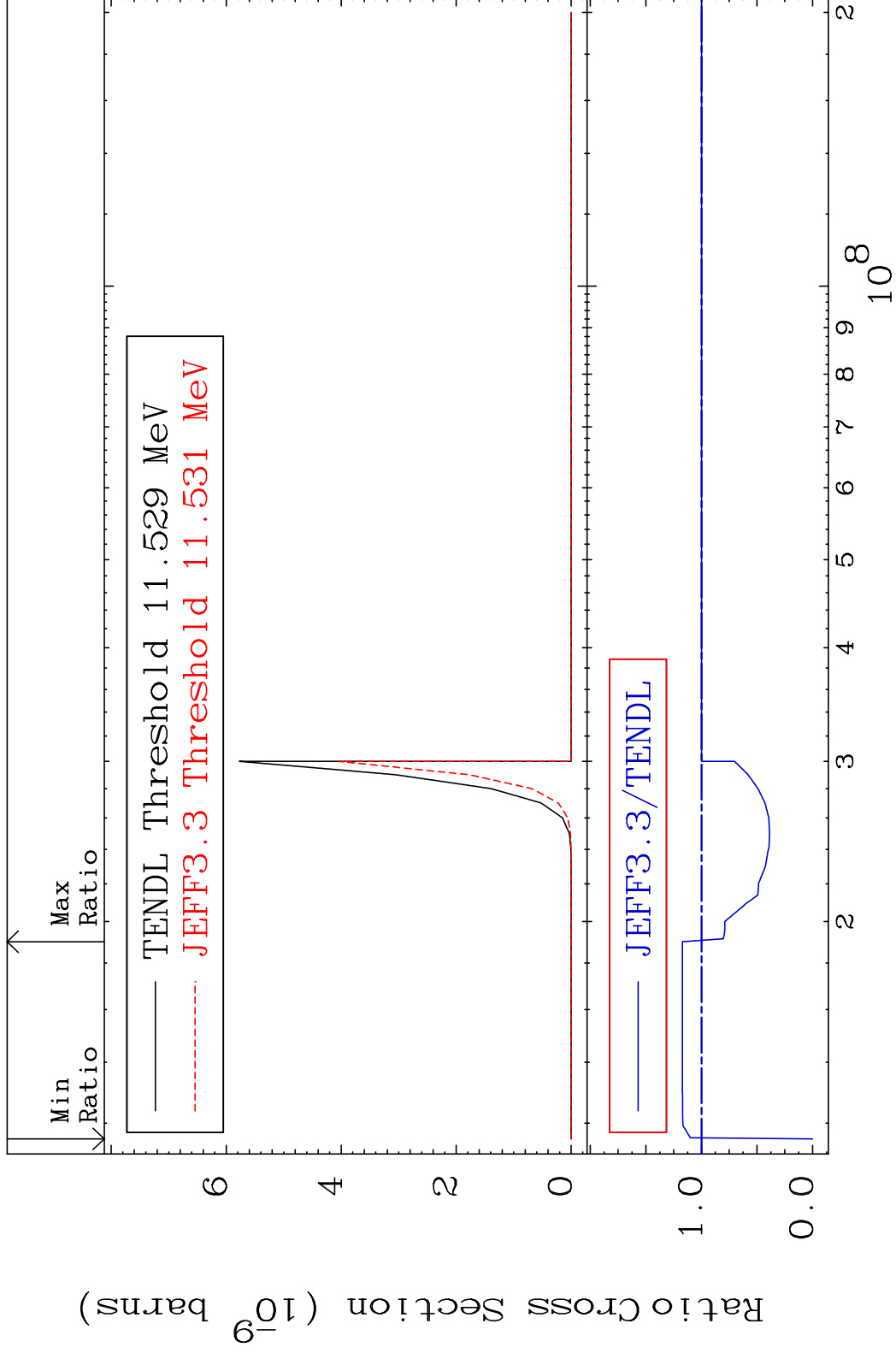


MAT 7831

(n,p) t

78-Pt-192

Cross Section -100.0 To 17.18 %



48

Incident Energy (eV)

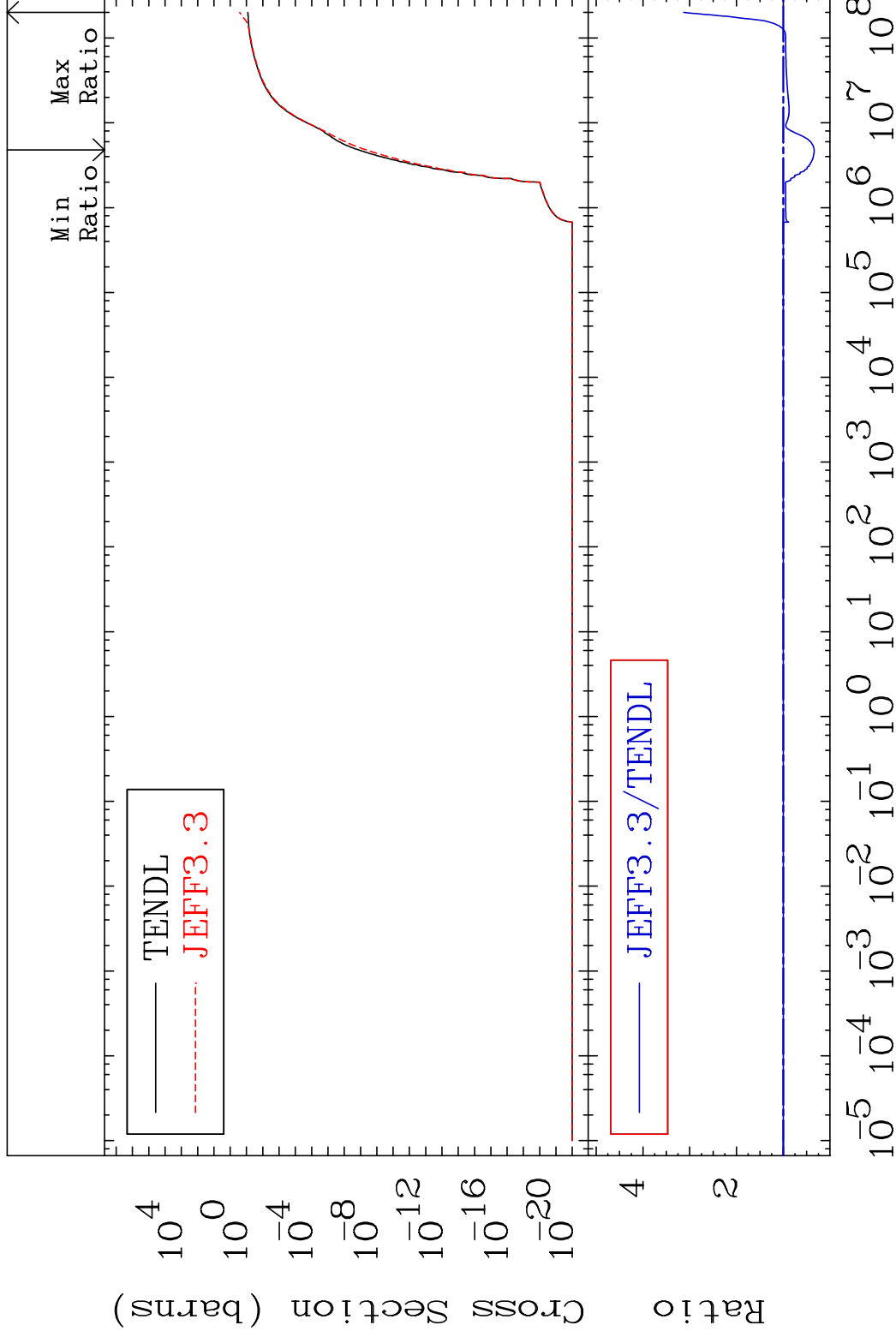
78-Pt-192

MAT 7831

Hydrogen Production

78-Pt-192

Cross Section -65.83 To 213.0 %



49

Incident Energy (eV)

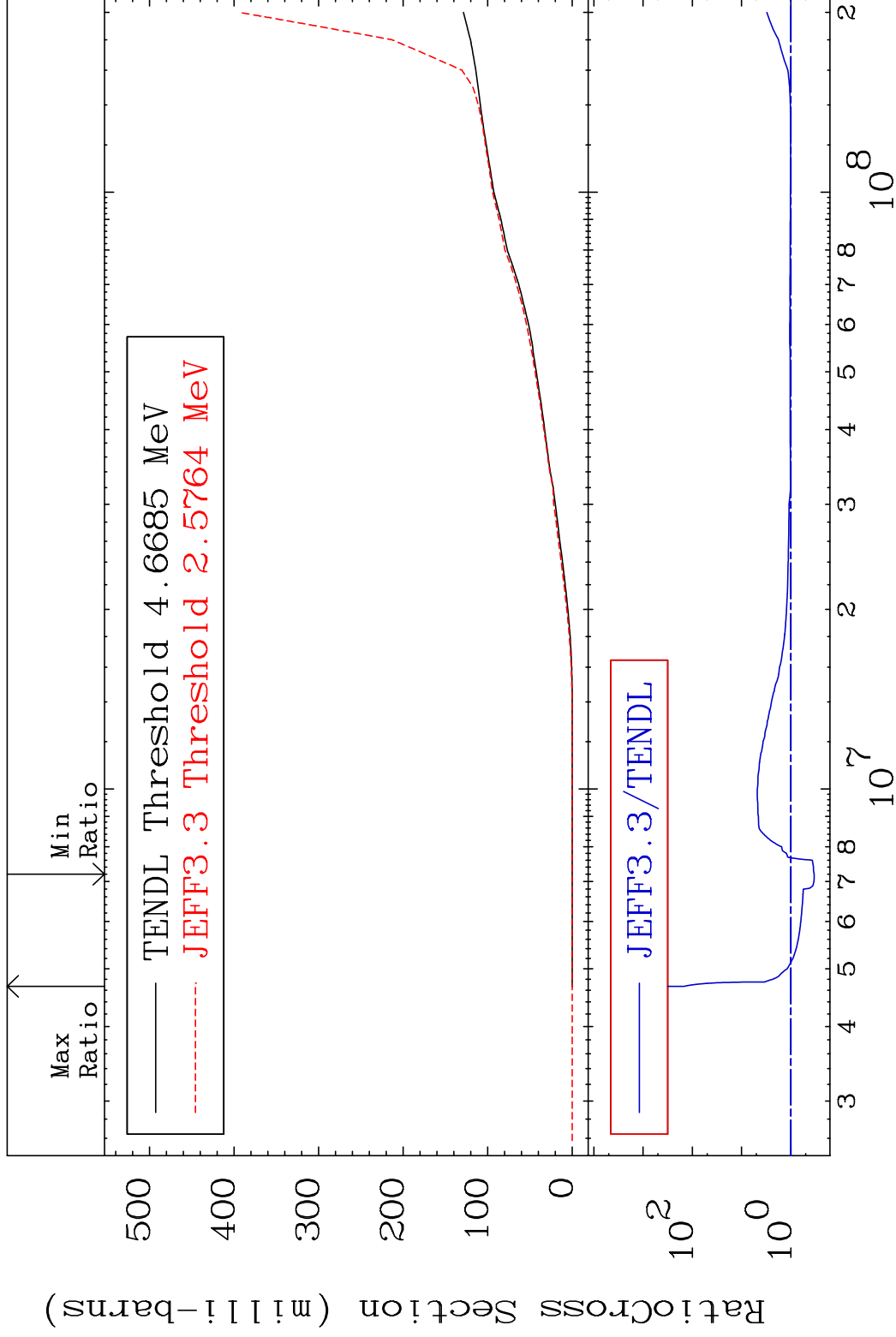
78-Pt-192

MAT 7831

Deuterium Production

78-Pt-192

Cross Section -66.37 To 9999. %



50

Incident Energy (eV)

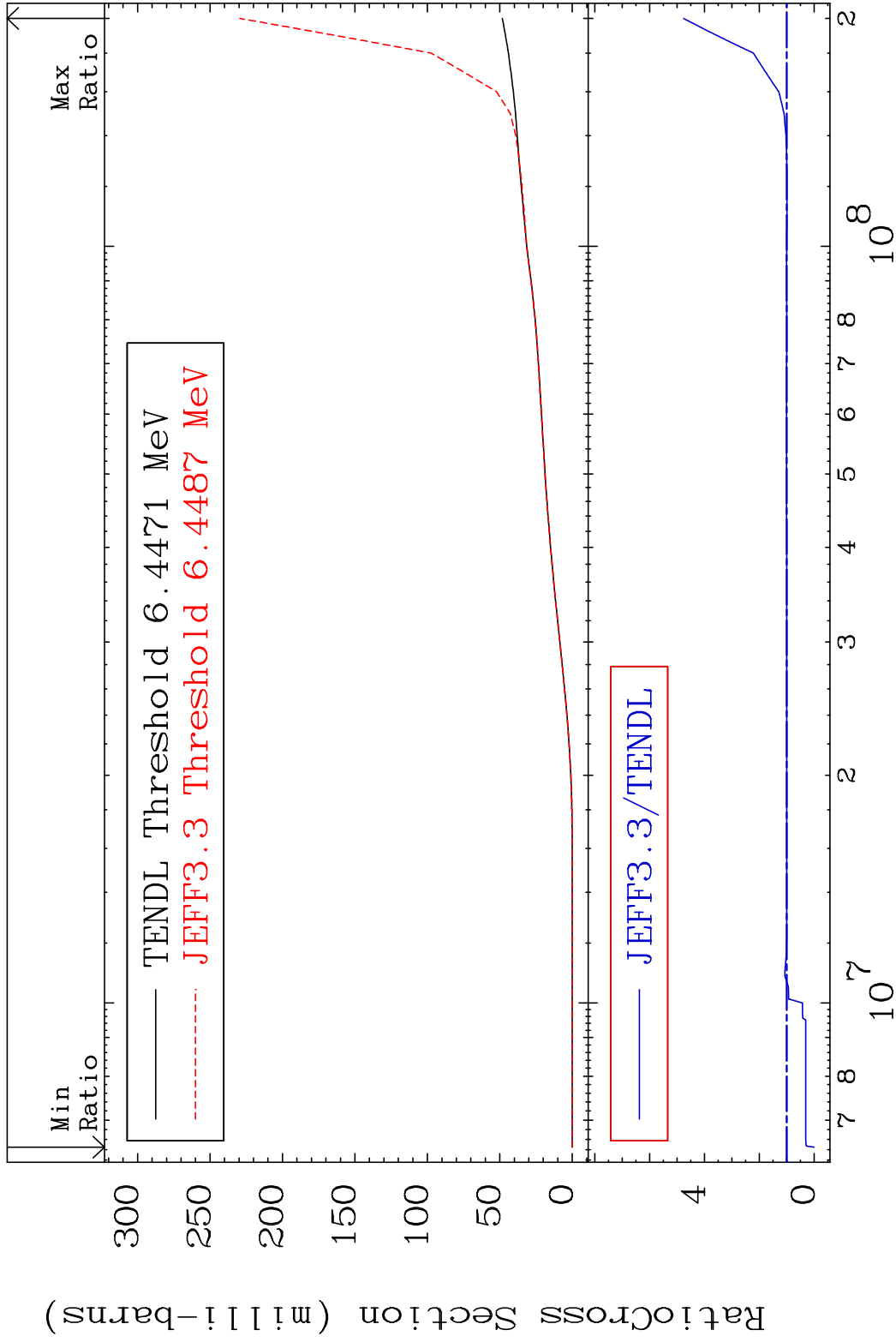
78-Pt-192

MAT 7831

Tritium Production

78-Pt-192

Cross Section -100.0 To 375.8 %



51

Incident Energy (eV)

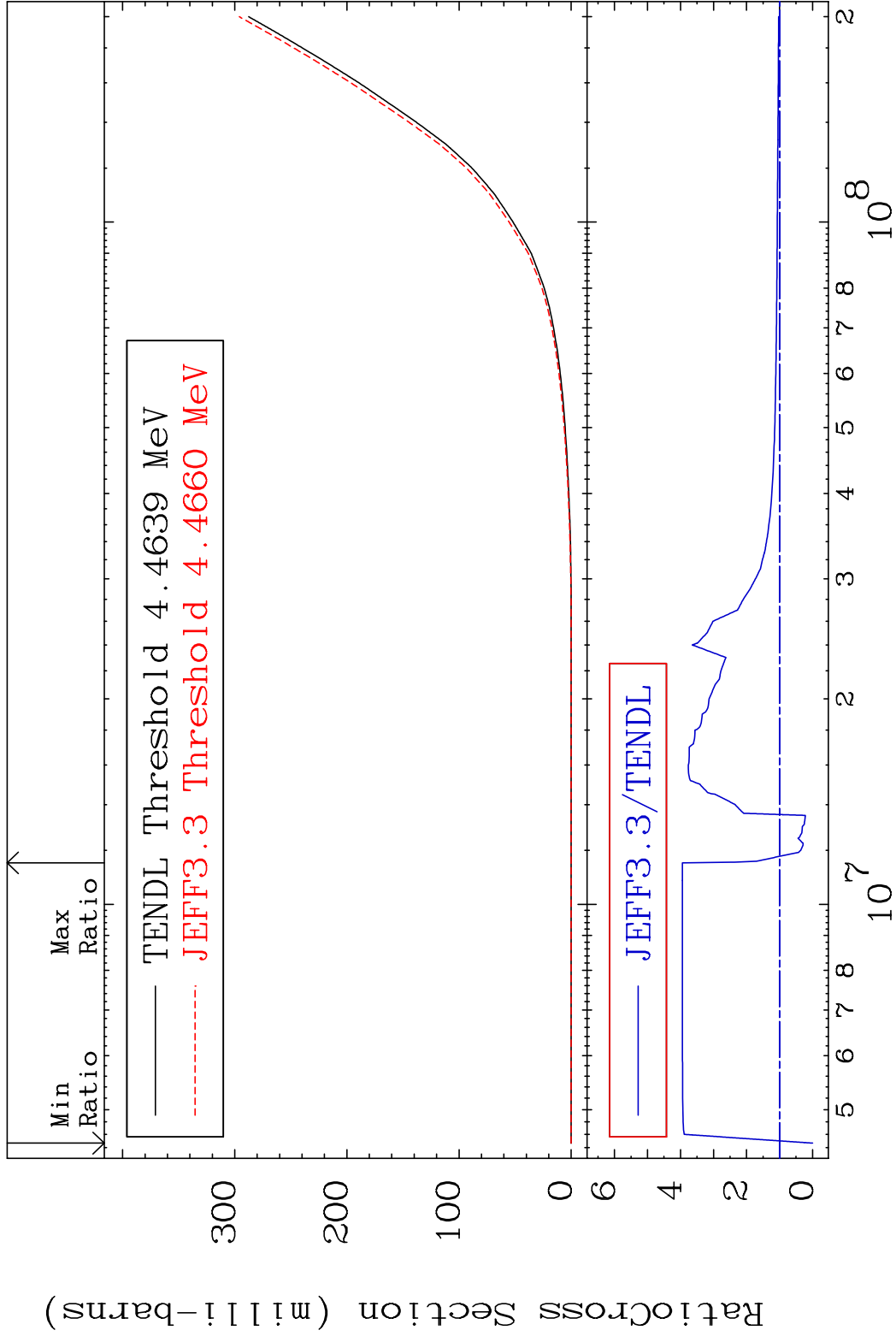
78-Pt-192

MAT 7831

He-3 Production

78-Pt-192

Cross Section -100.0 To 294.5 %

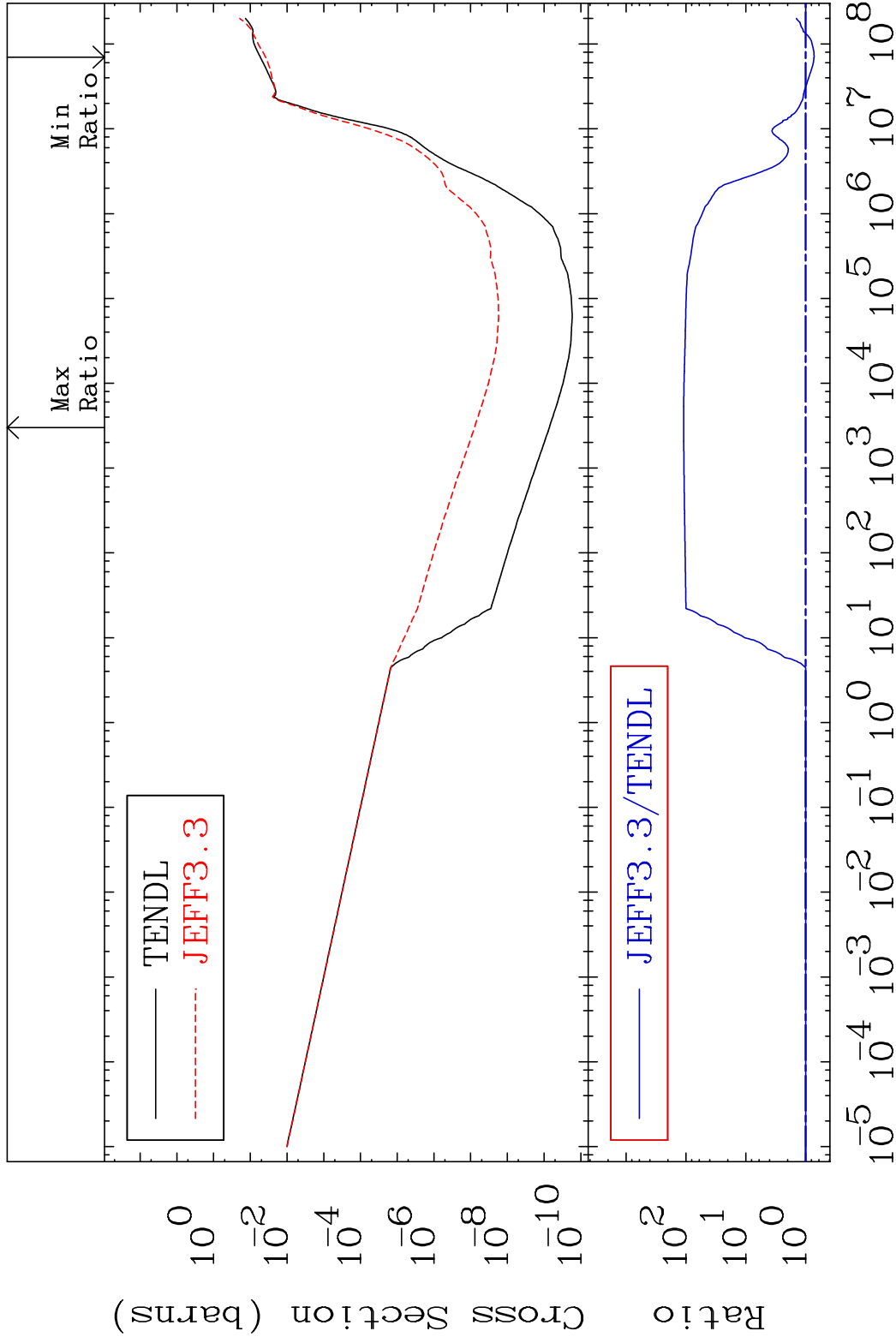


MAT 7831

He-4 Production

78-Pt-192

Cross Section -27.94 To 9999. %

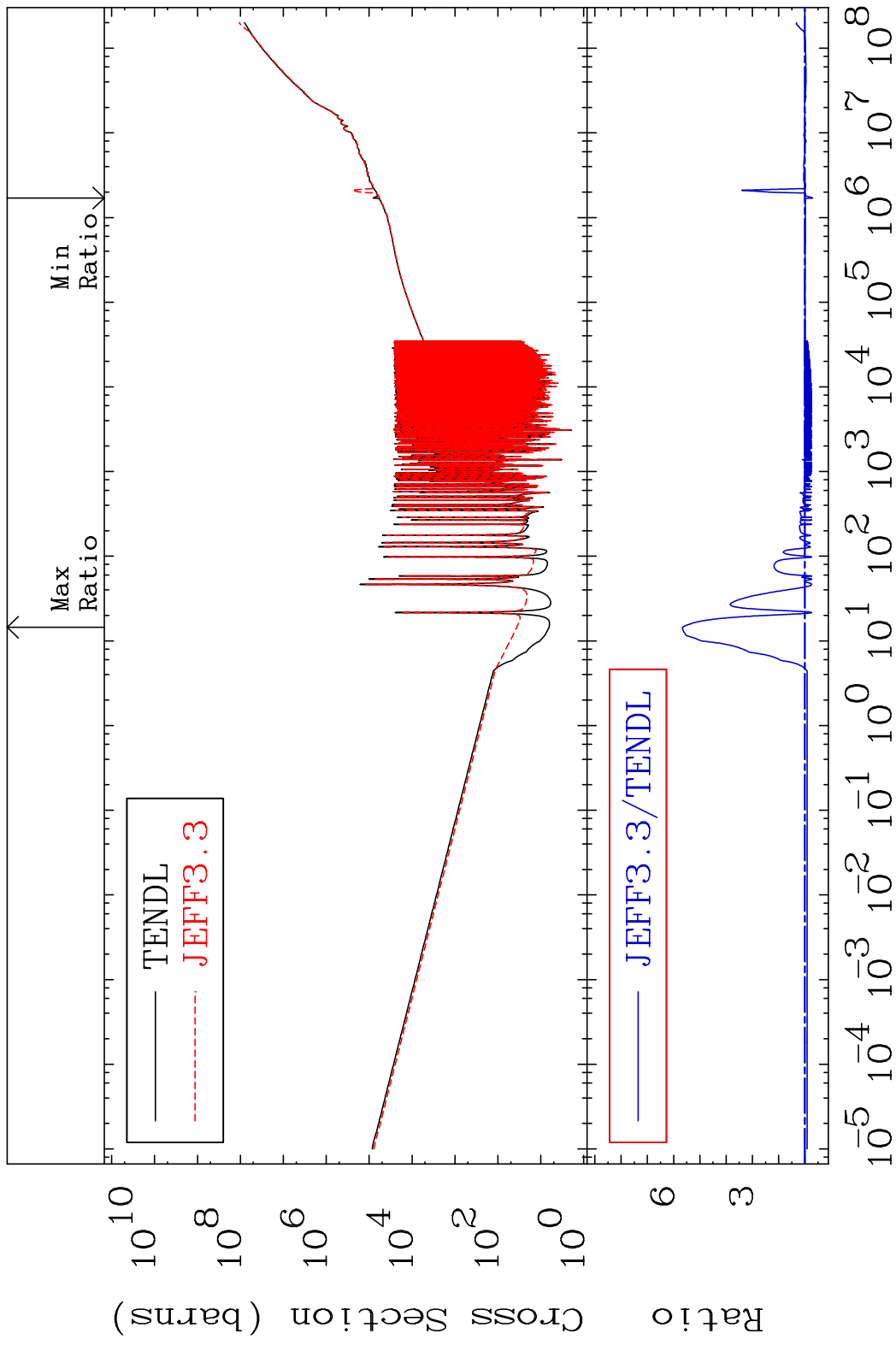


53

Incident Energy (eV)

78-Pt-192

MAT 7831 Kerma total (eV-barns) 78-Pt-192  
 Cross Section -29.09 To 466.8 %

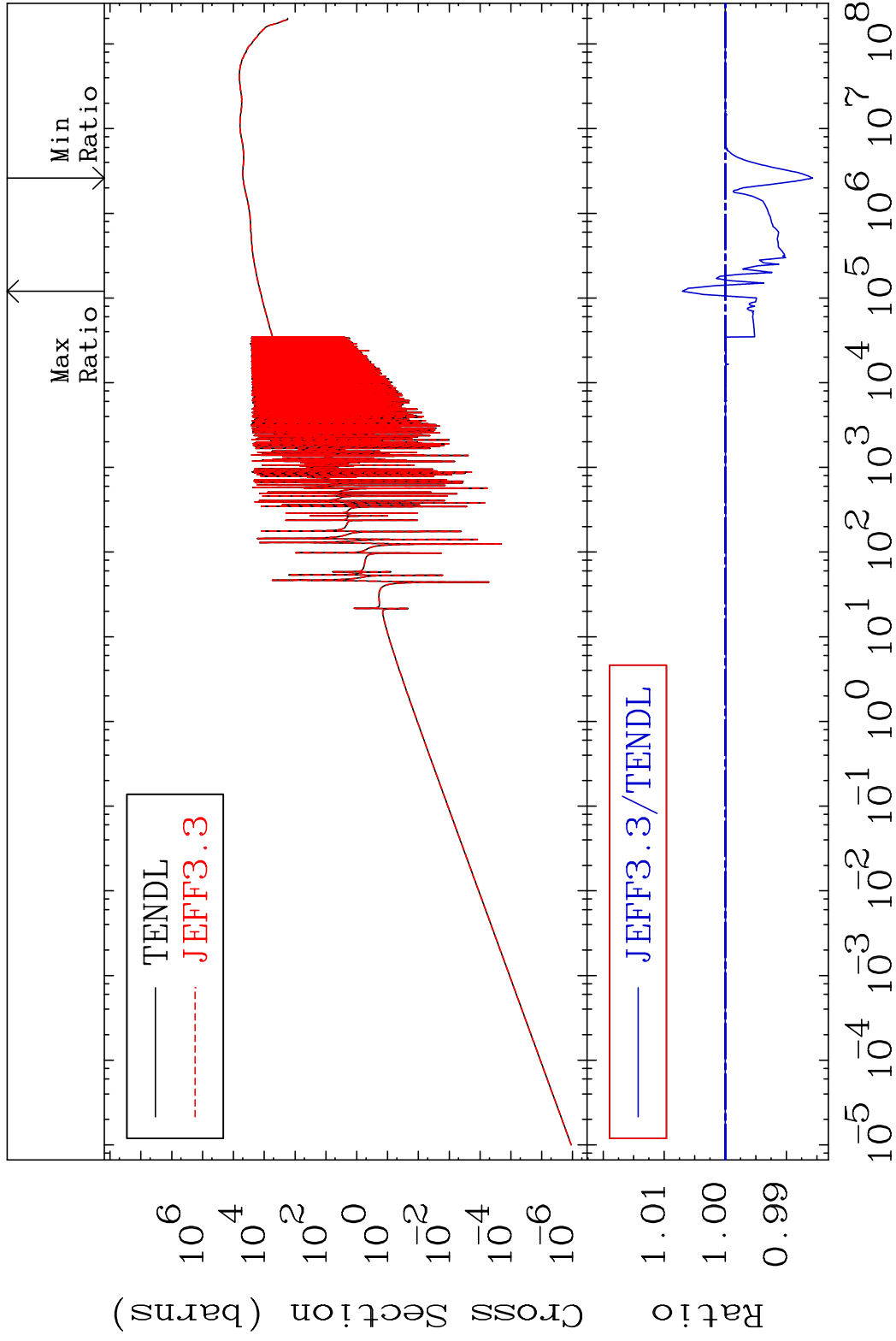


MAT 7831

Kerma elastic

78-Pt-192

Cross Section -1.428 To 0.704 %



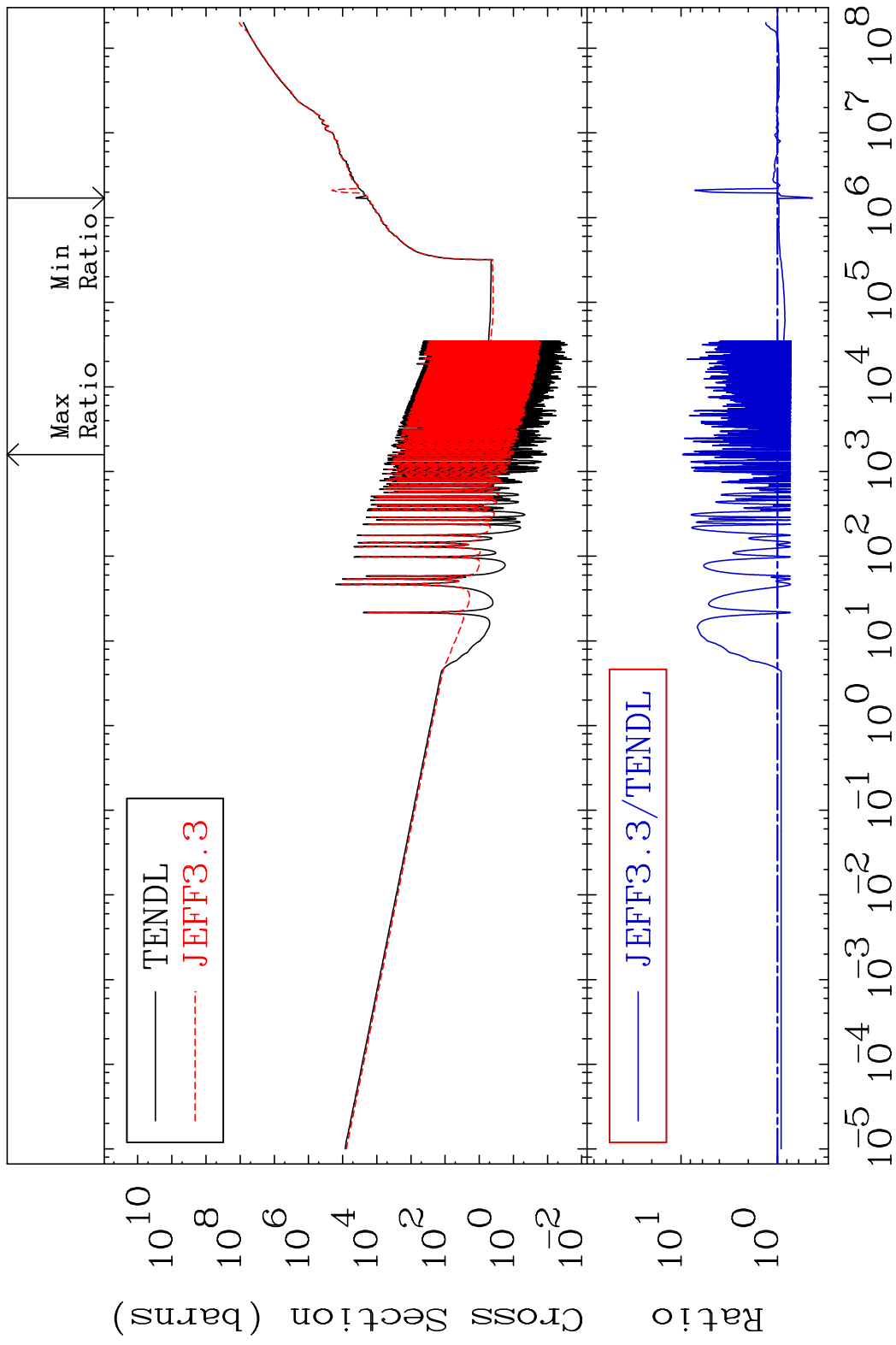
55

Incident Energy (eV)

78-Pt-192



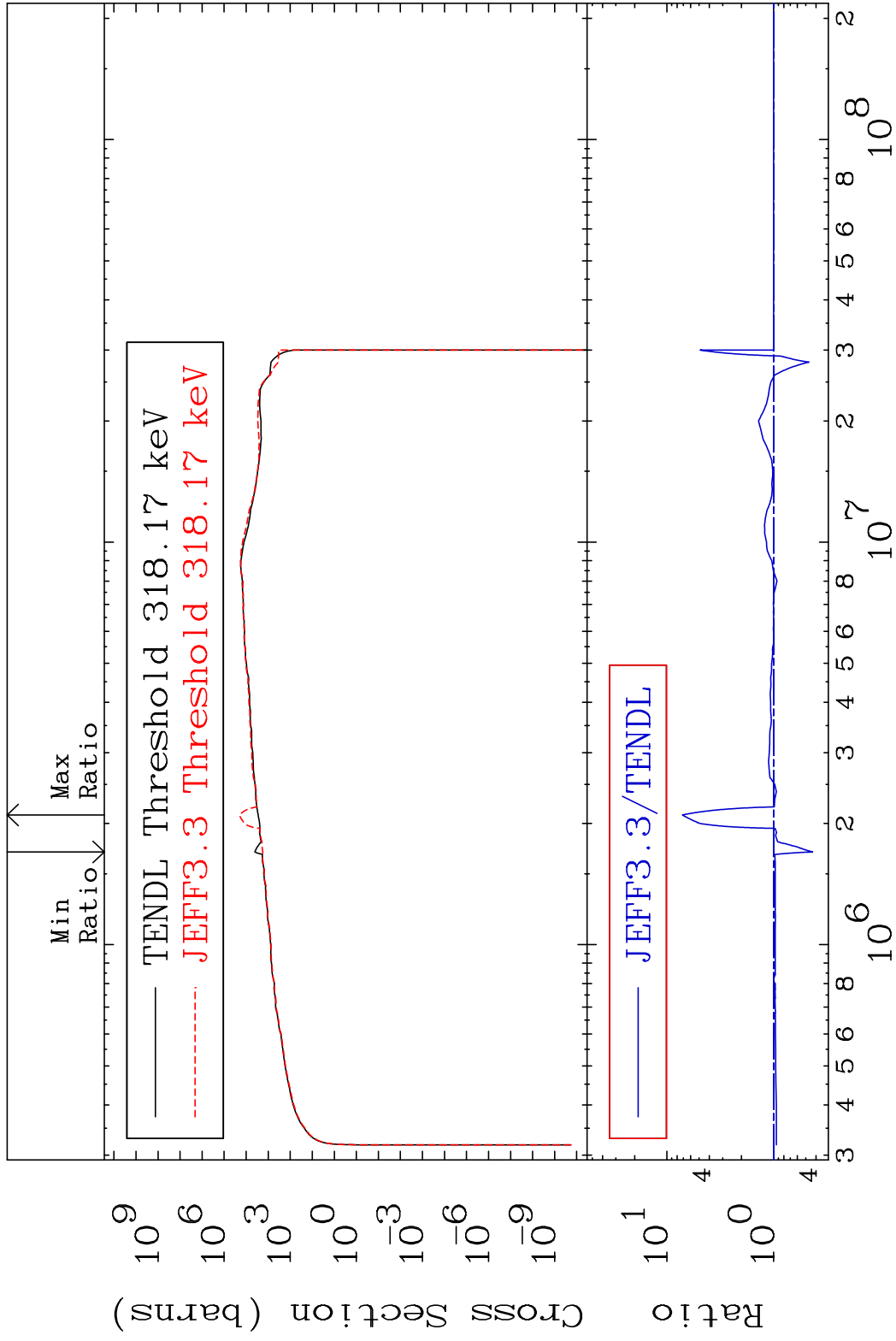
MAT 7831 Kerma non-elastic (all but mt2) 78-Pt-192  
 Cross Section -56.82 To 867.0 %



MAT 7831

Kerma inelastic (mt51-91) 78-Pt-192

Cross Section -56.83 To 615.7 %

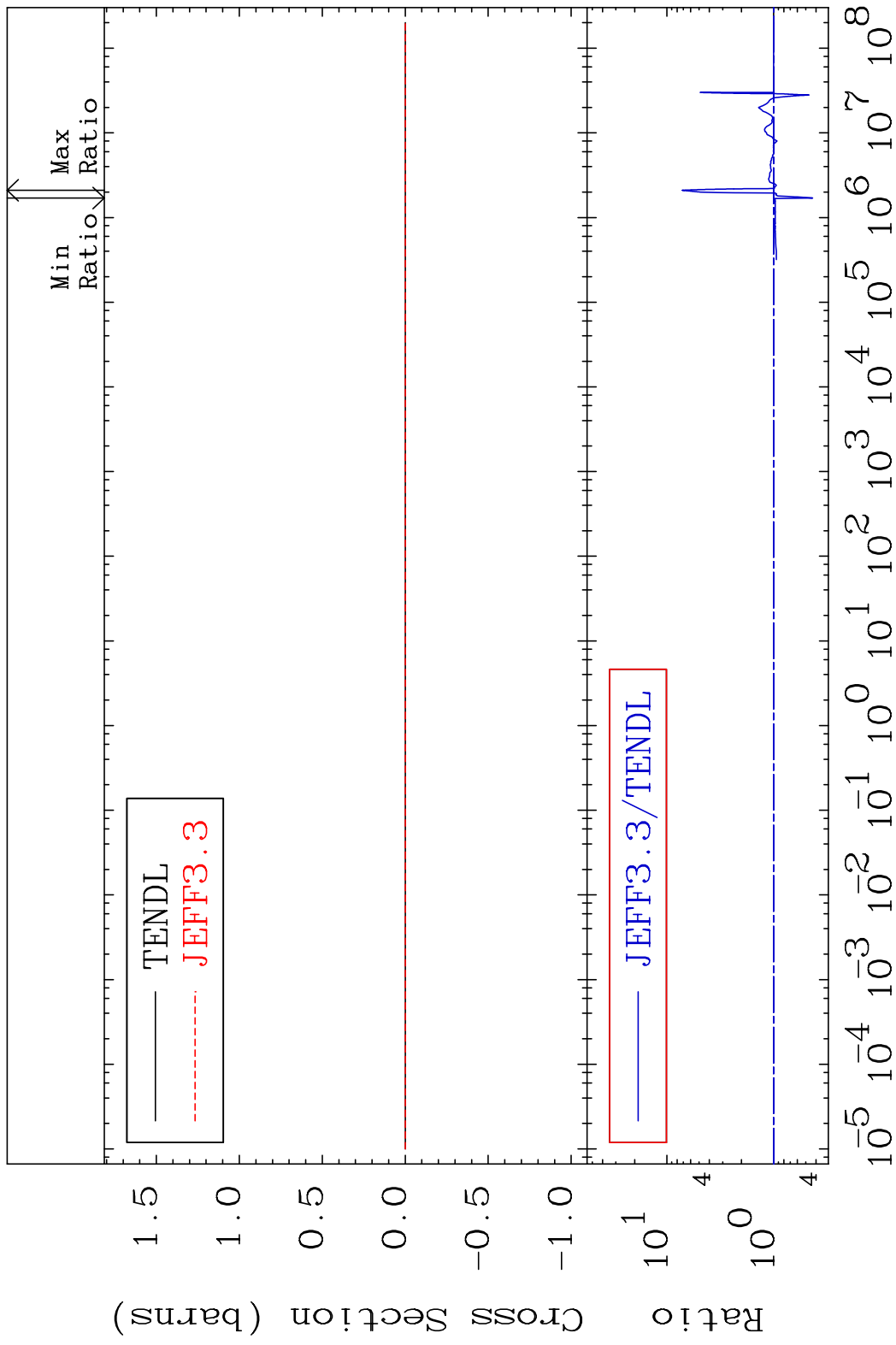


57

Incident Energy (eV)

78-Pt-192

MAT 7831 Kerma fission (mt18 or mt19-20-21-38)78-Pt-192  
 Cross Section -56.83 To 615.7 %

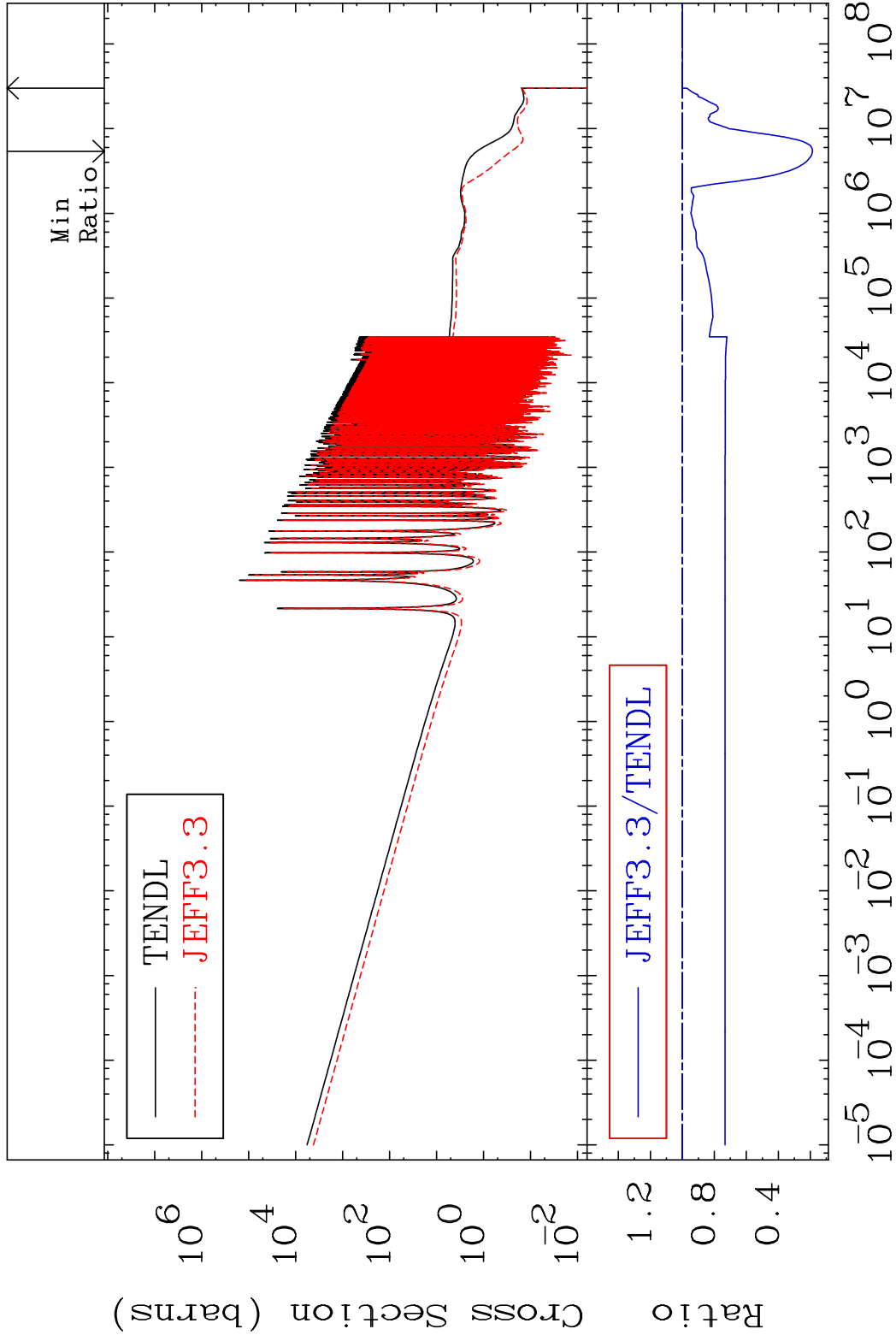


MAT 7831

Kerma capture (mt102)

78-Pt-192

Cross Section -81.38 To 0.000 %



59

Incident Energy (eV)

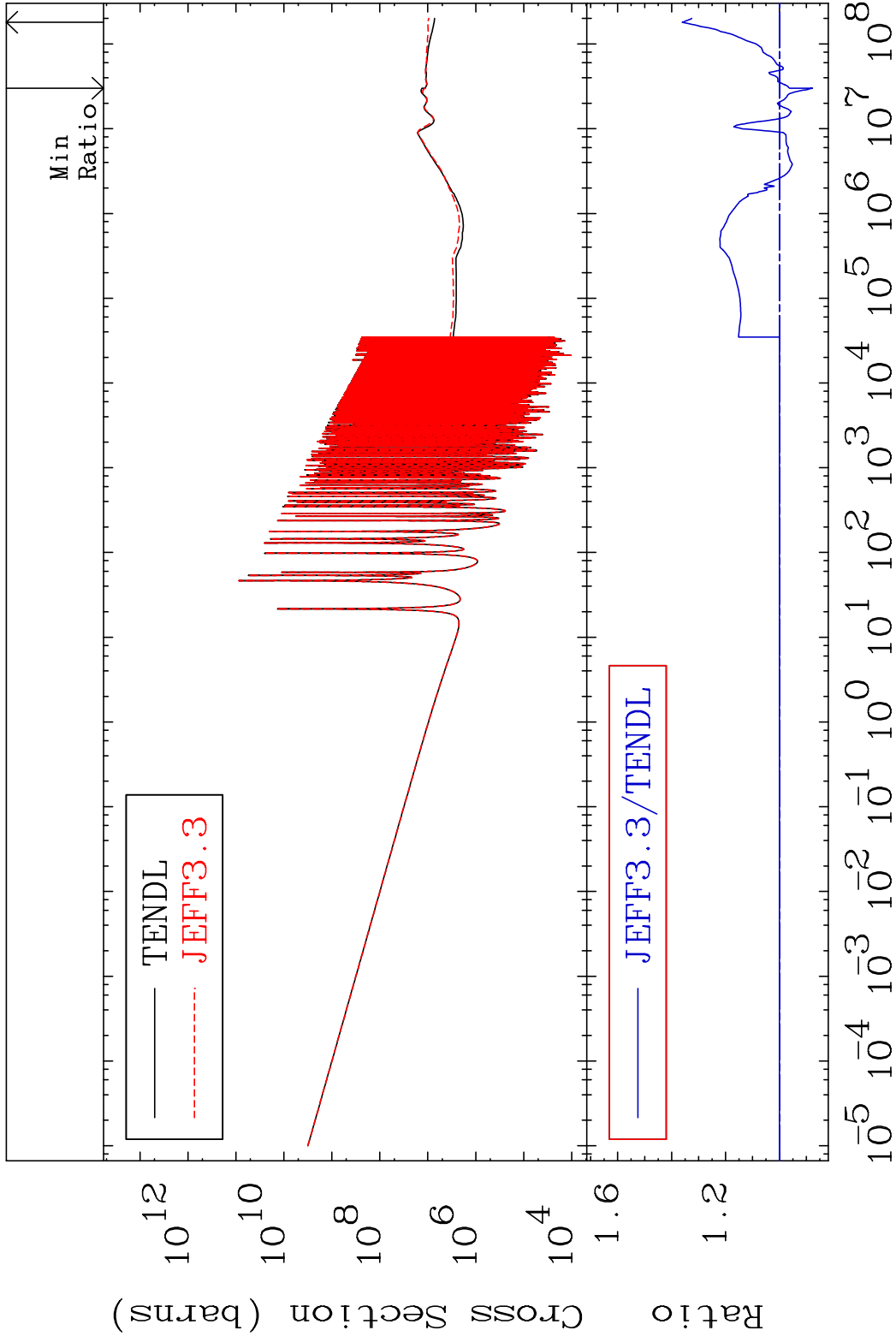
78-Pt-192

MAT 7831

Total photon (eV-barns)

78-Pt-192

Cross Section -12.25 To 36.09 %

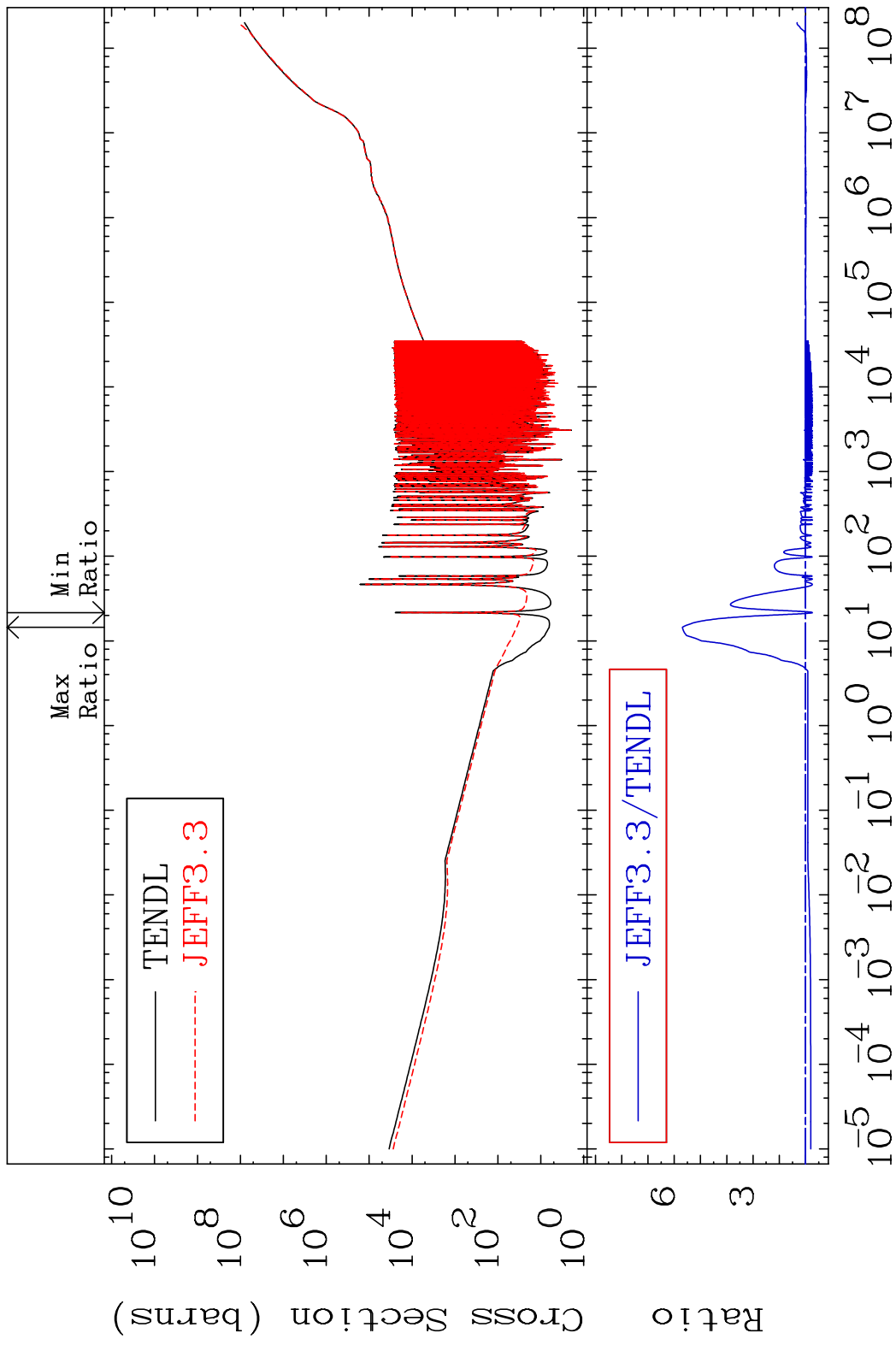


60

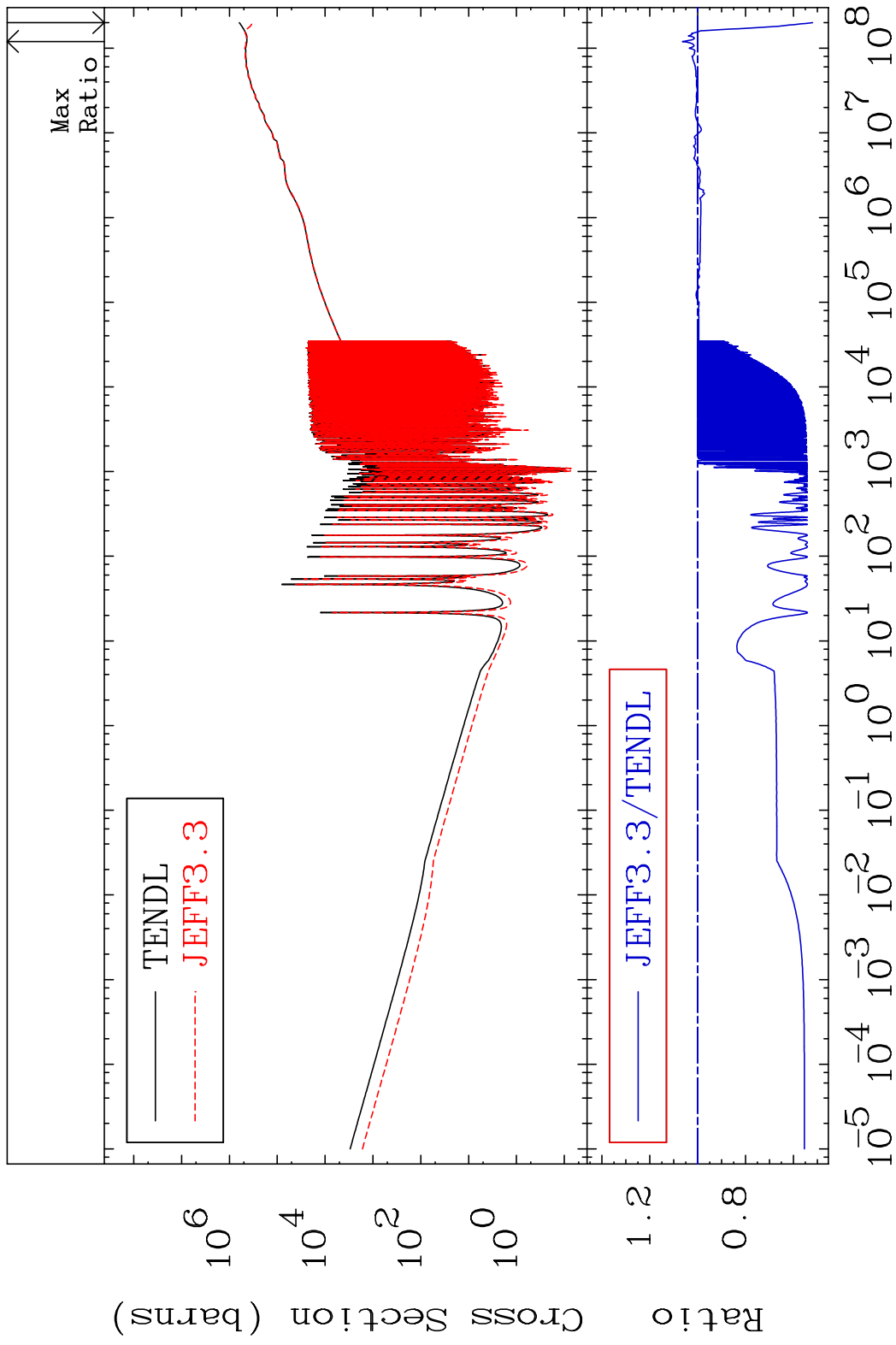
Incident Energy (eV)

78-Pt-192

MAT 7831 Total kinematic kerma (high limit) 78-Pt-192  
 Cross Section -26.64 To 469.1 %



MAT 7831      Dpa total (eV-barns)      78-Pt-192  
 Cross Section      -48.00 To 6.414 %



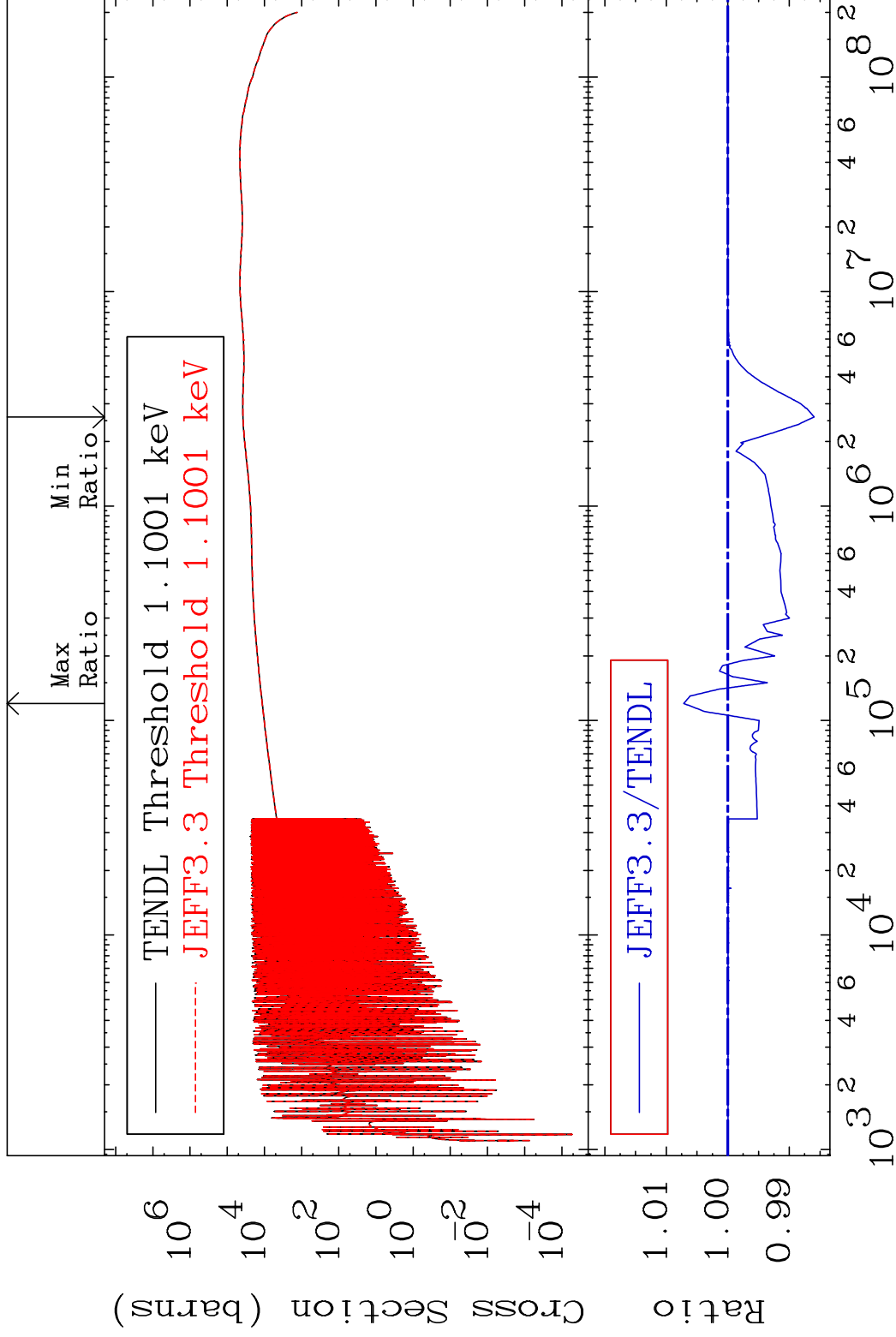
62      Incident Energy (eV)      78-Pt-192

MAT 7831

Dpa elastic (mt2)

78-Pt-192

Cross Section -1.404 To 0.718 %

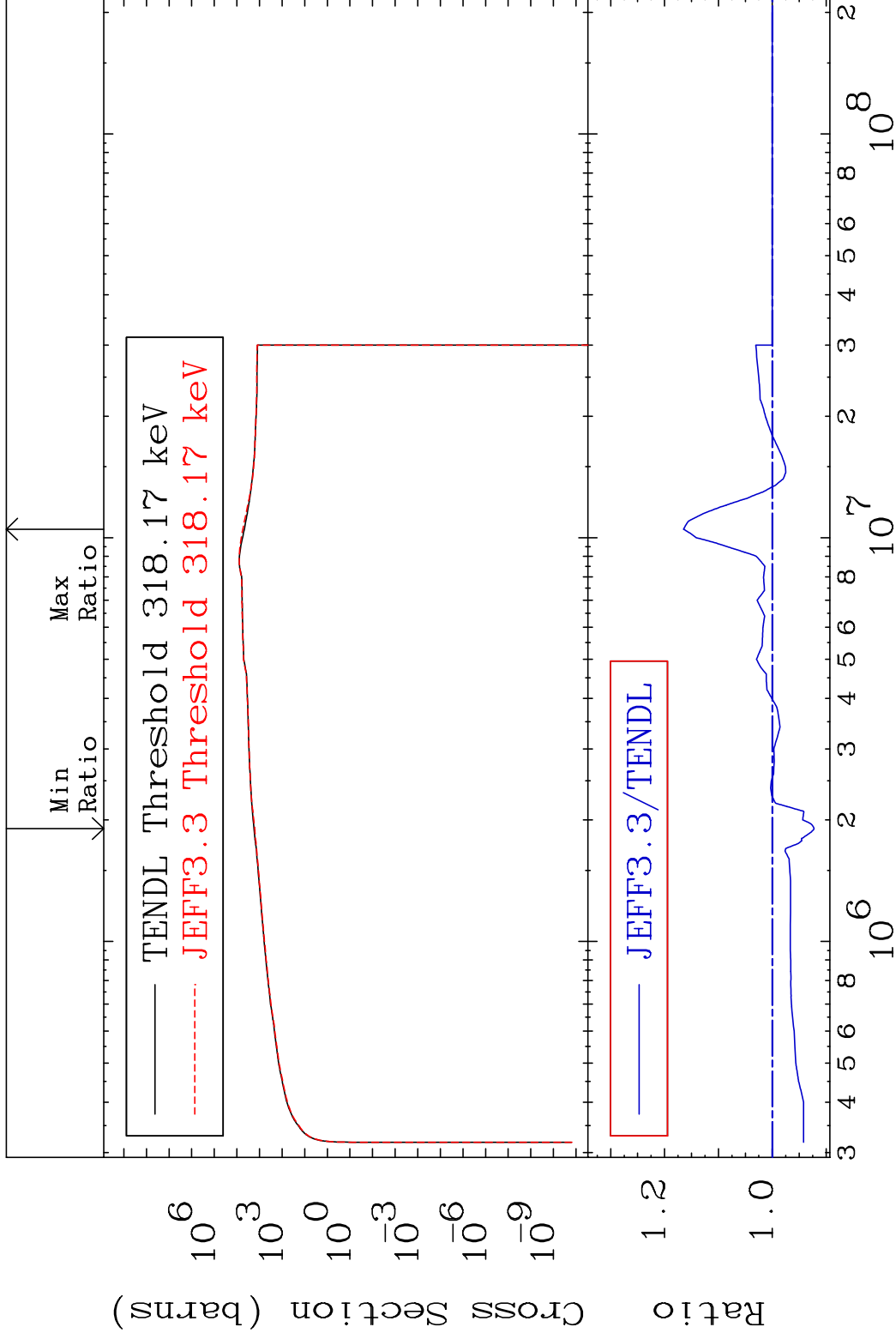


63

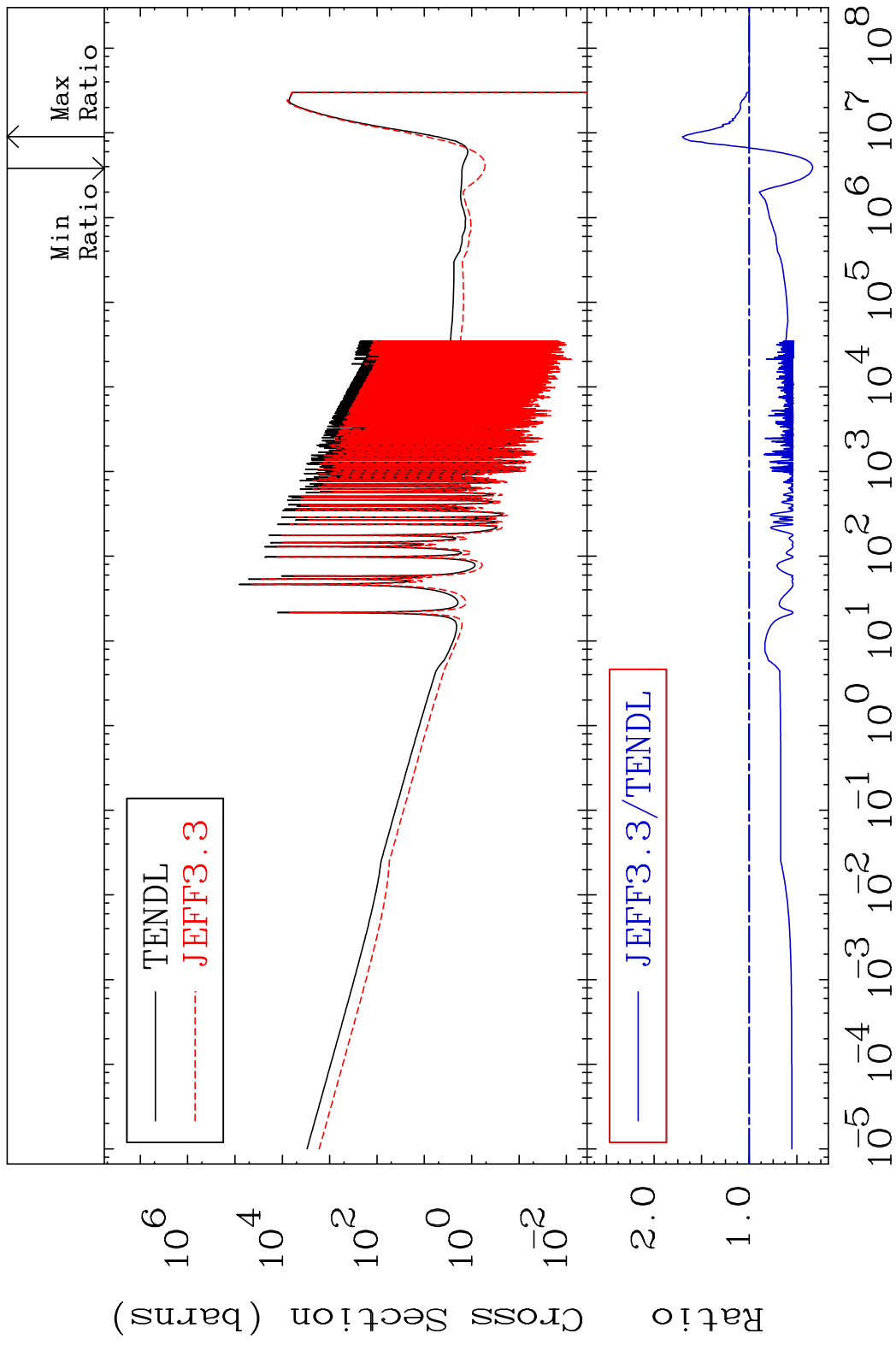
Incident Energy (eV)

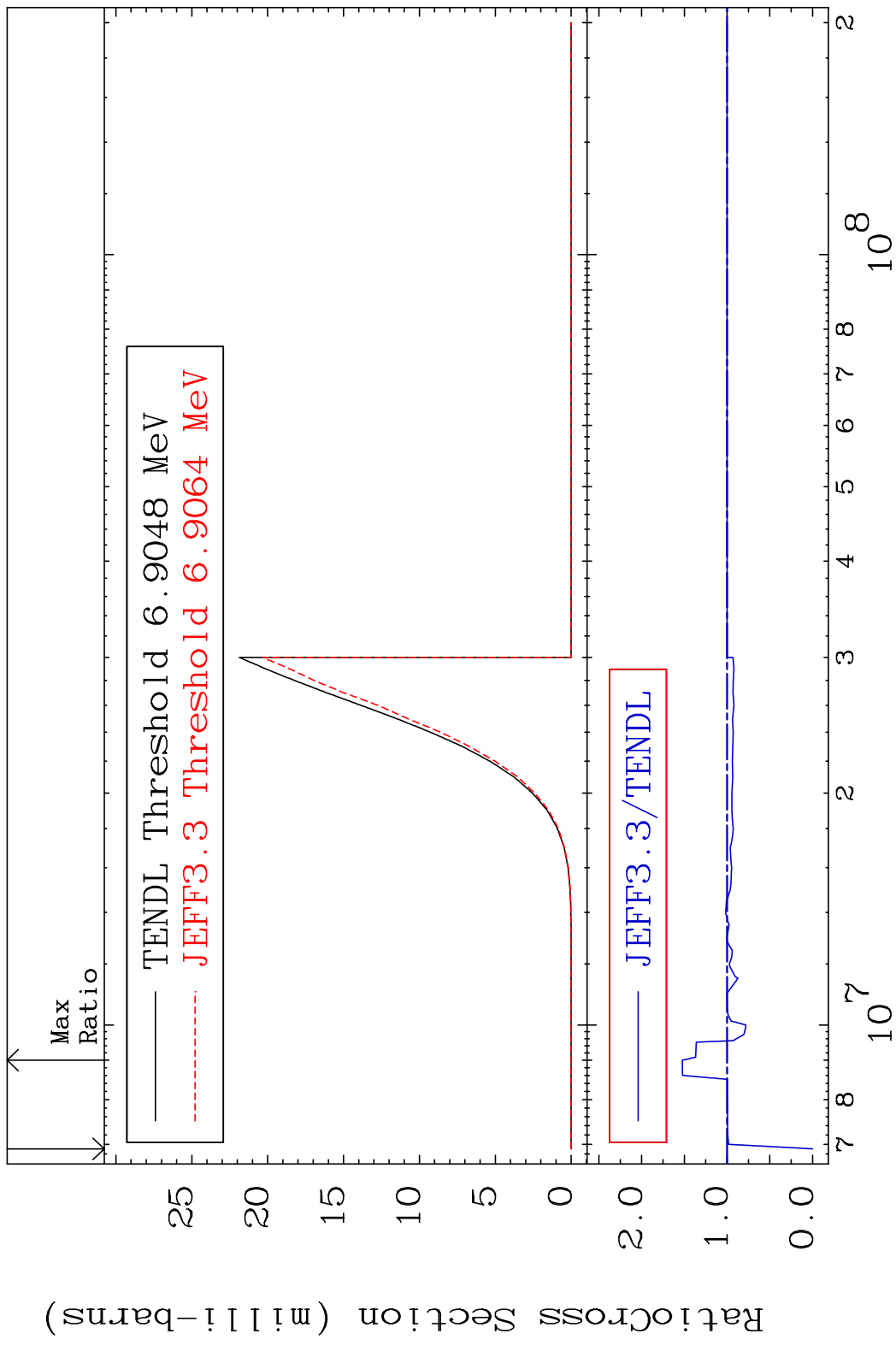
78-Pt-192

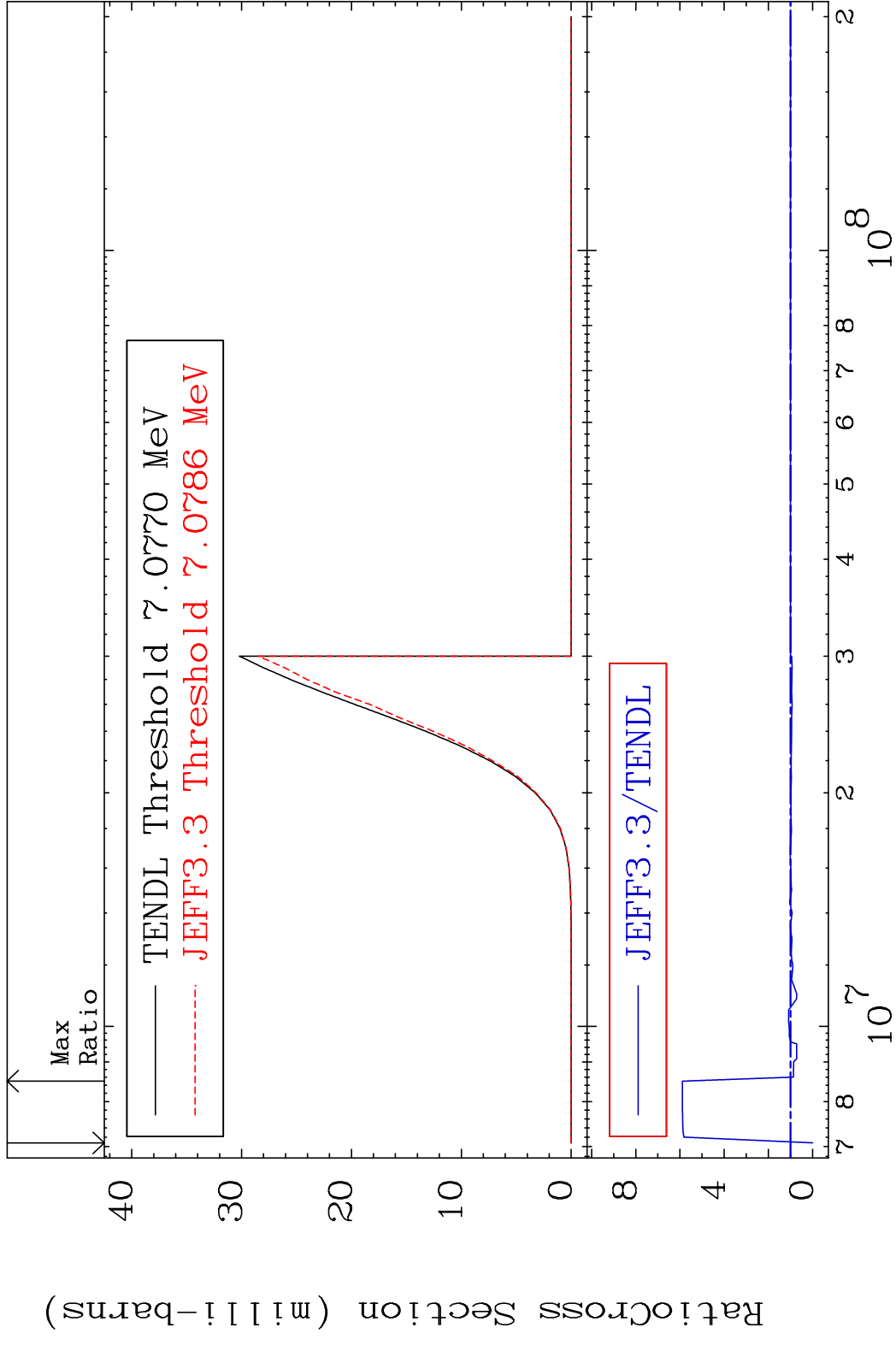


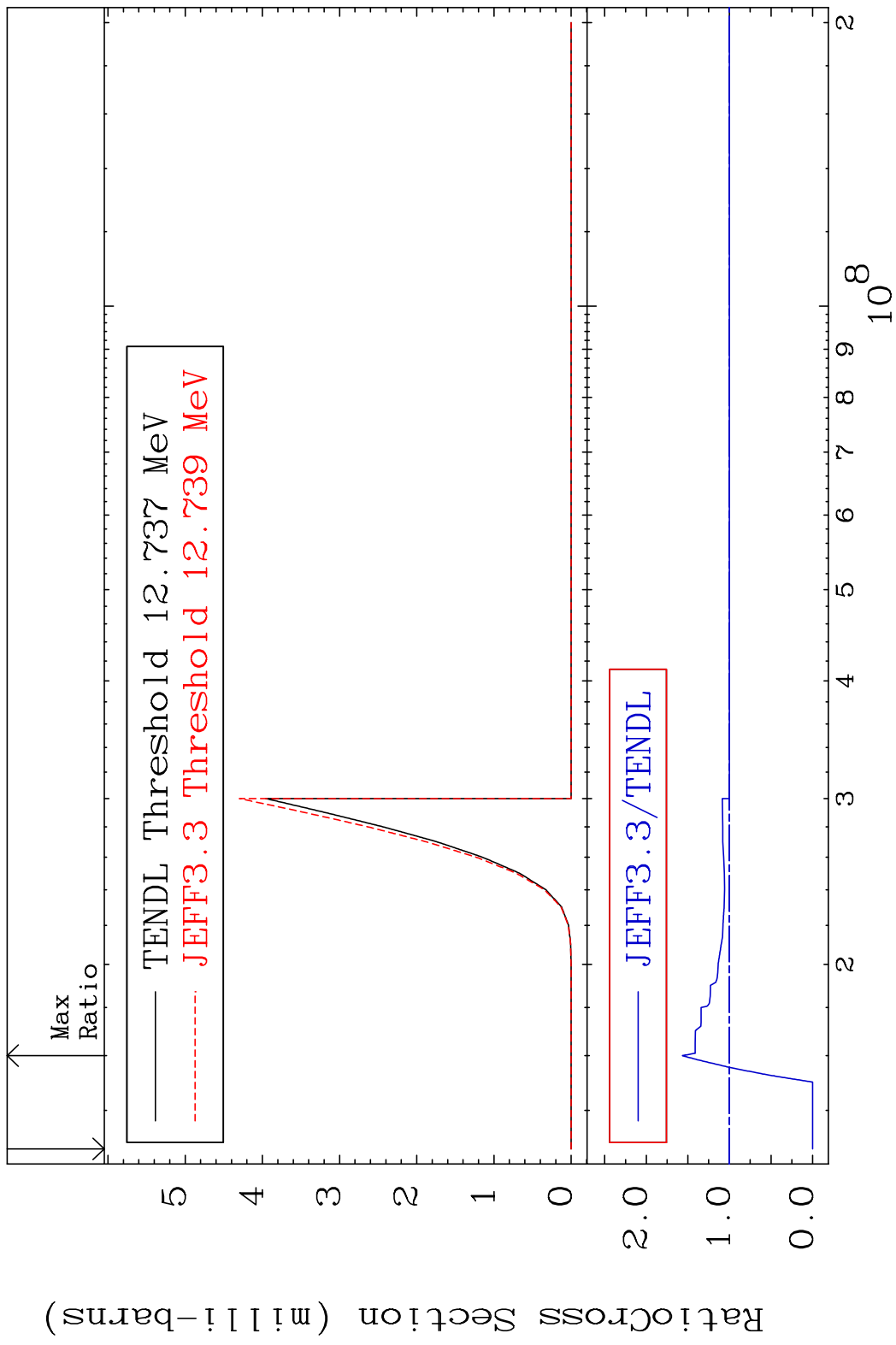


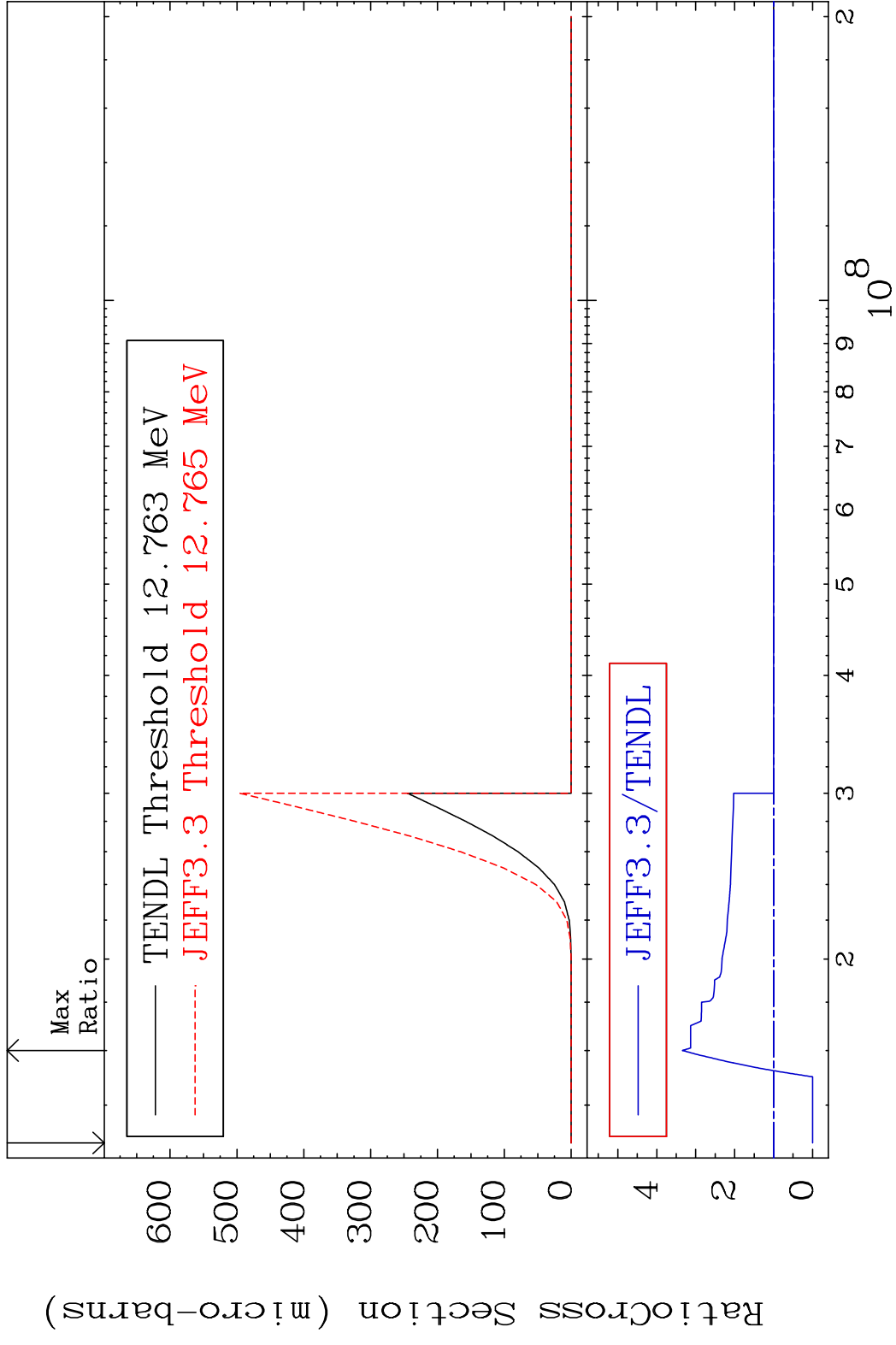
MAT 7831 Dpa disappearance (mt102 -120) 78-Pt-192  
 Cross Section -66.43 To 70.25 %

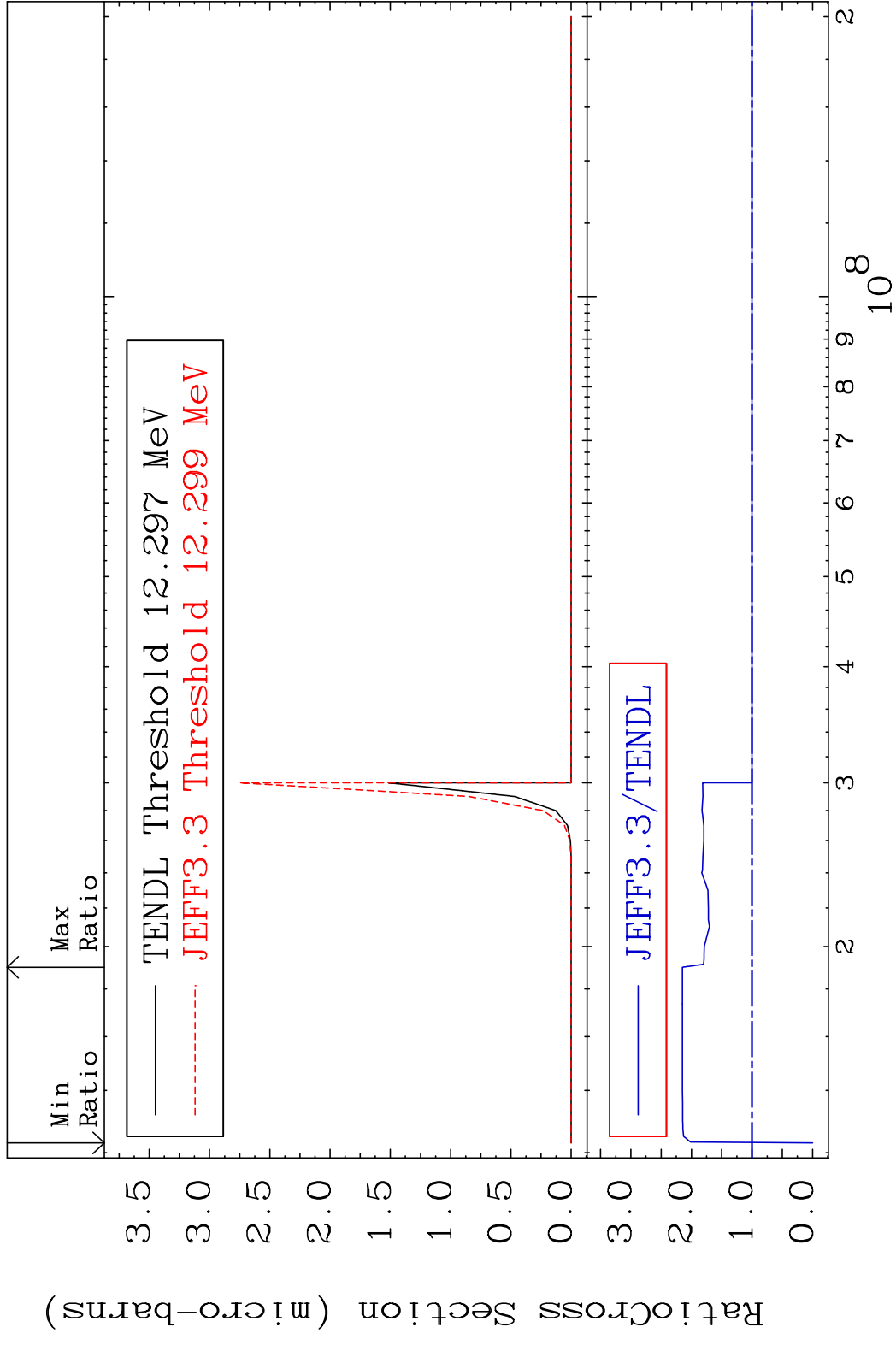


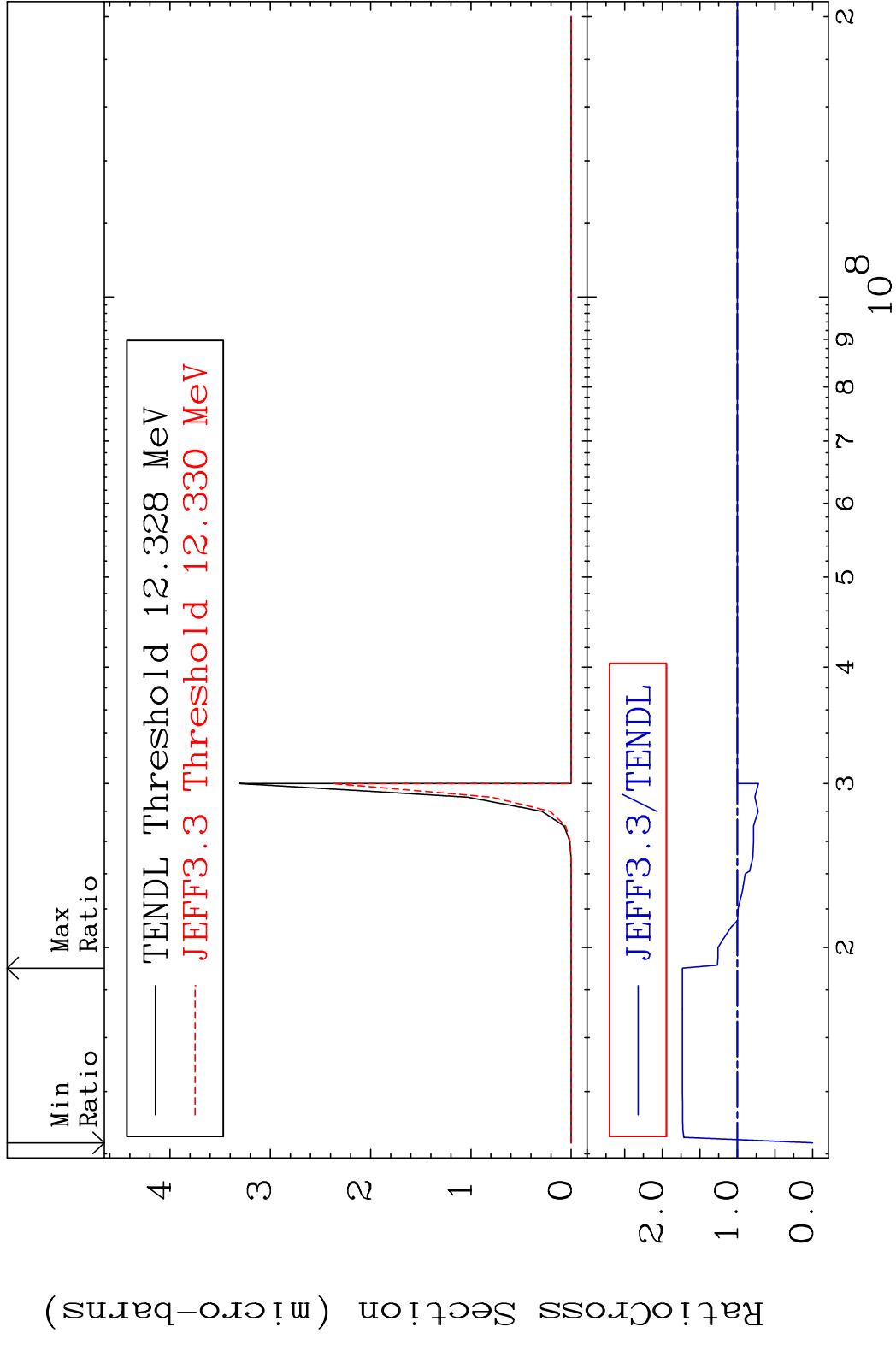




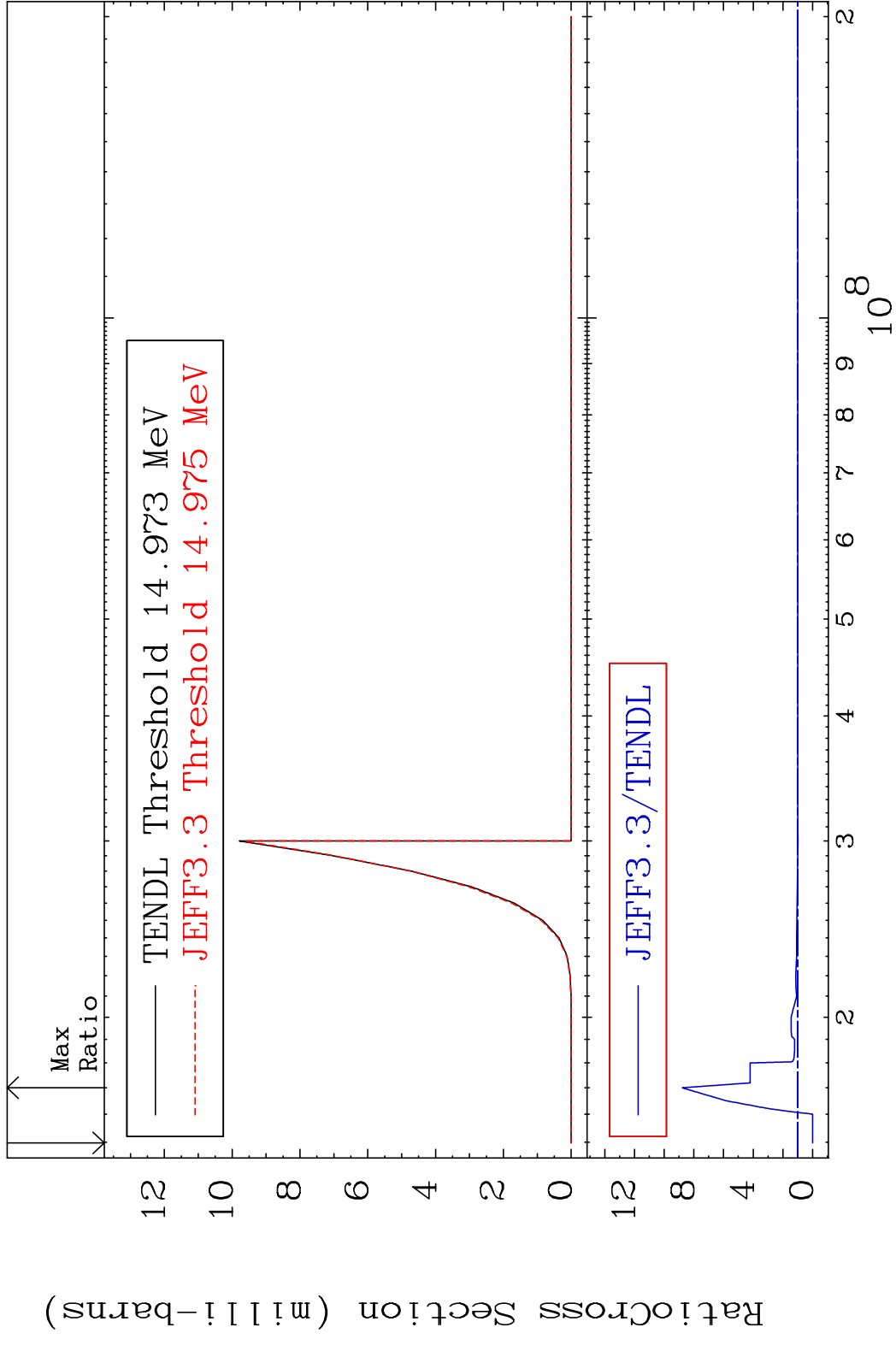


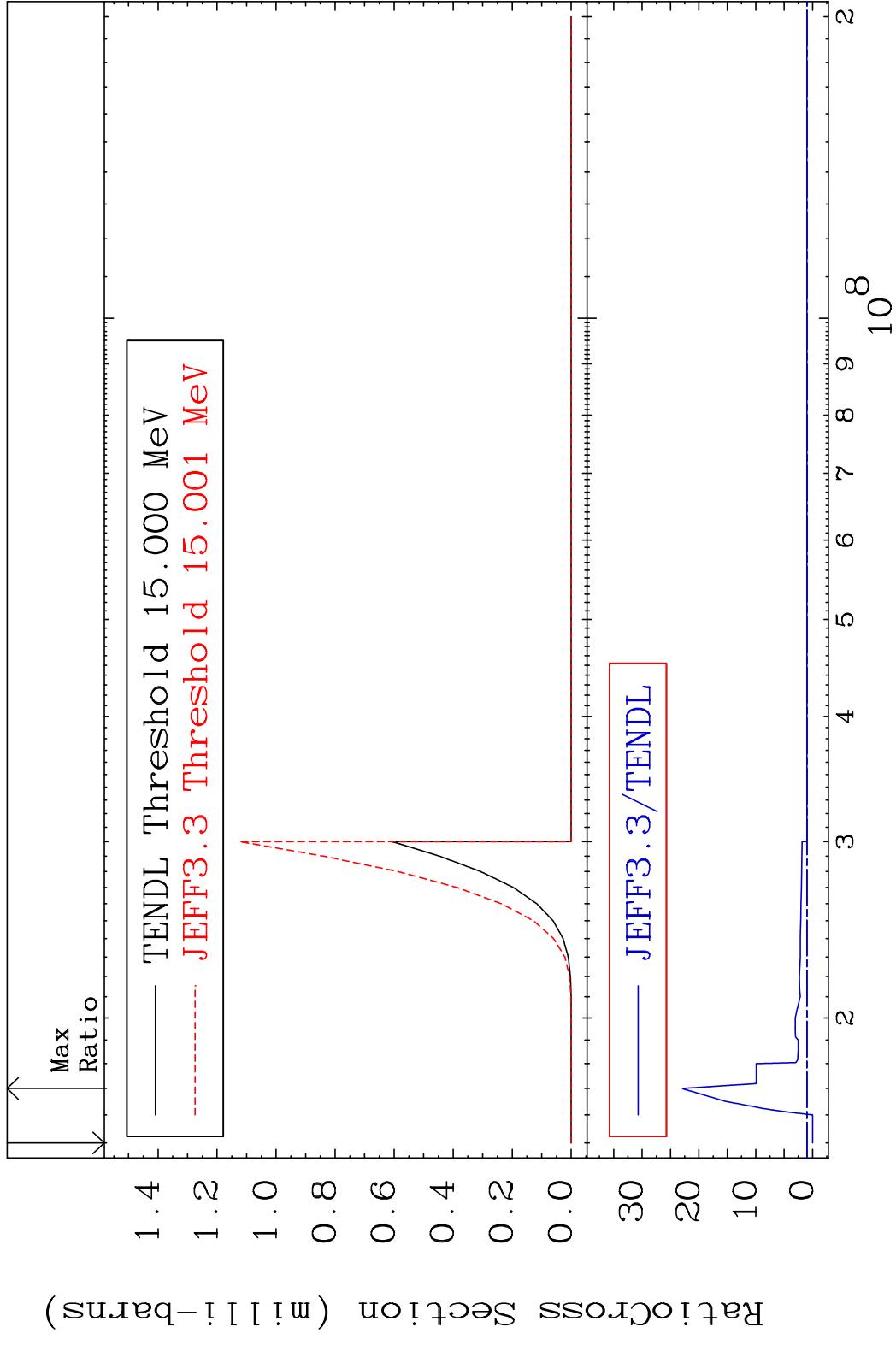


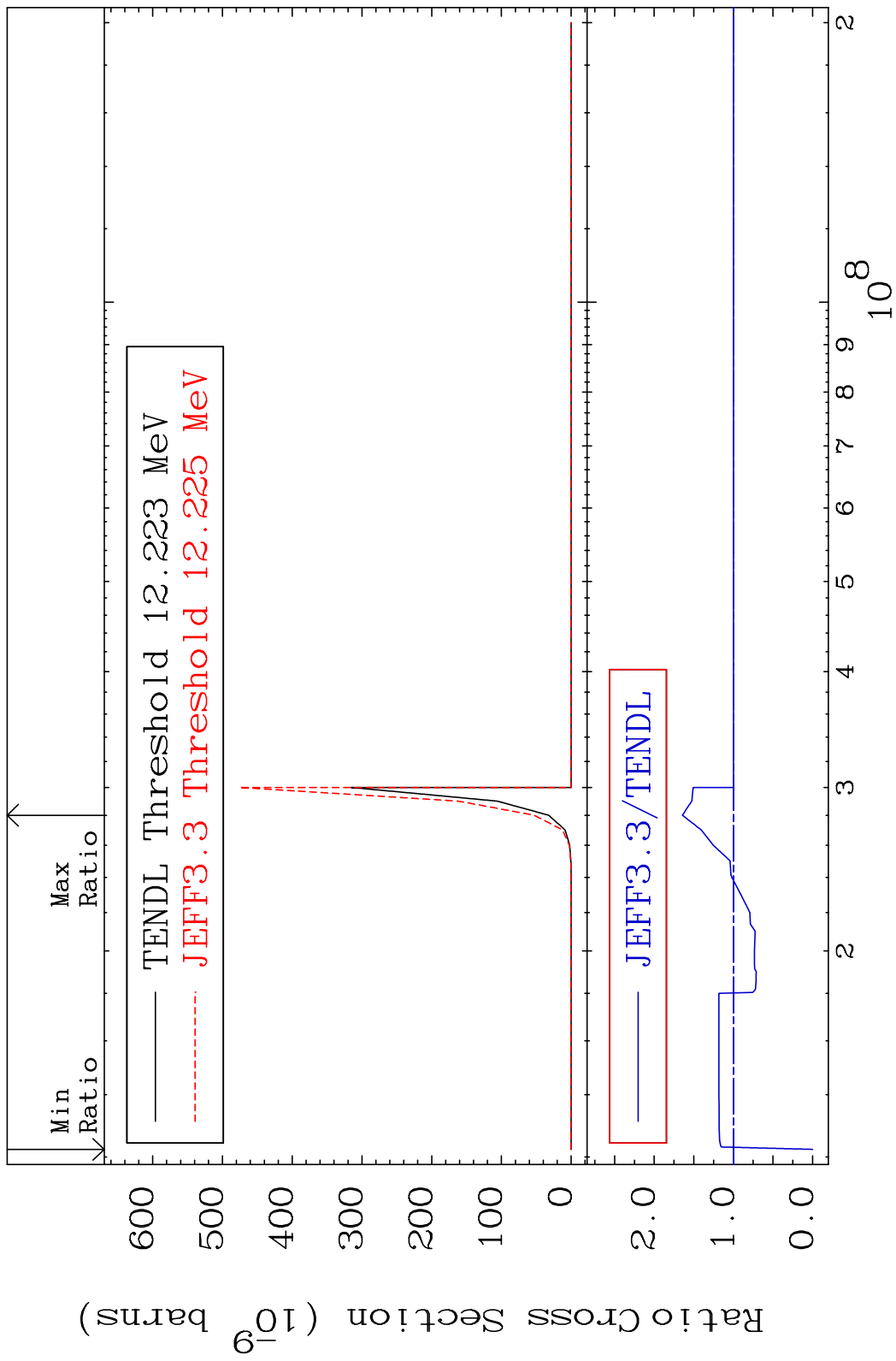




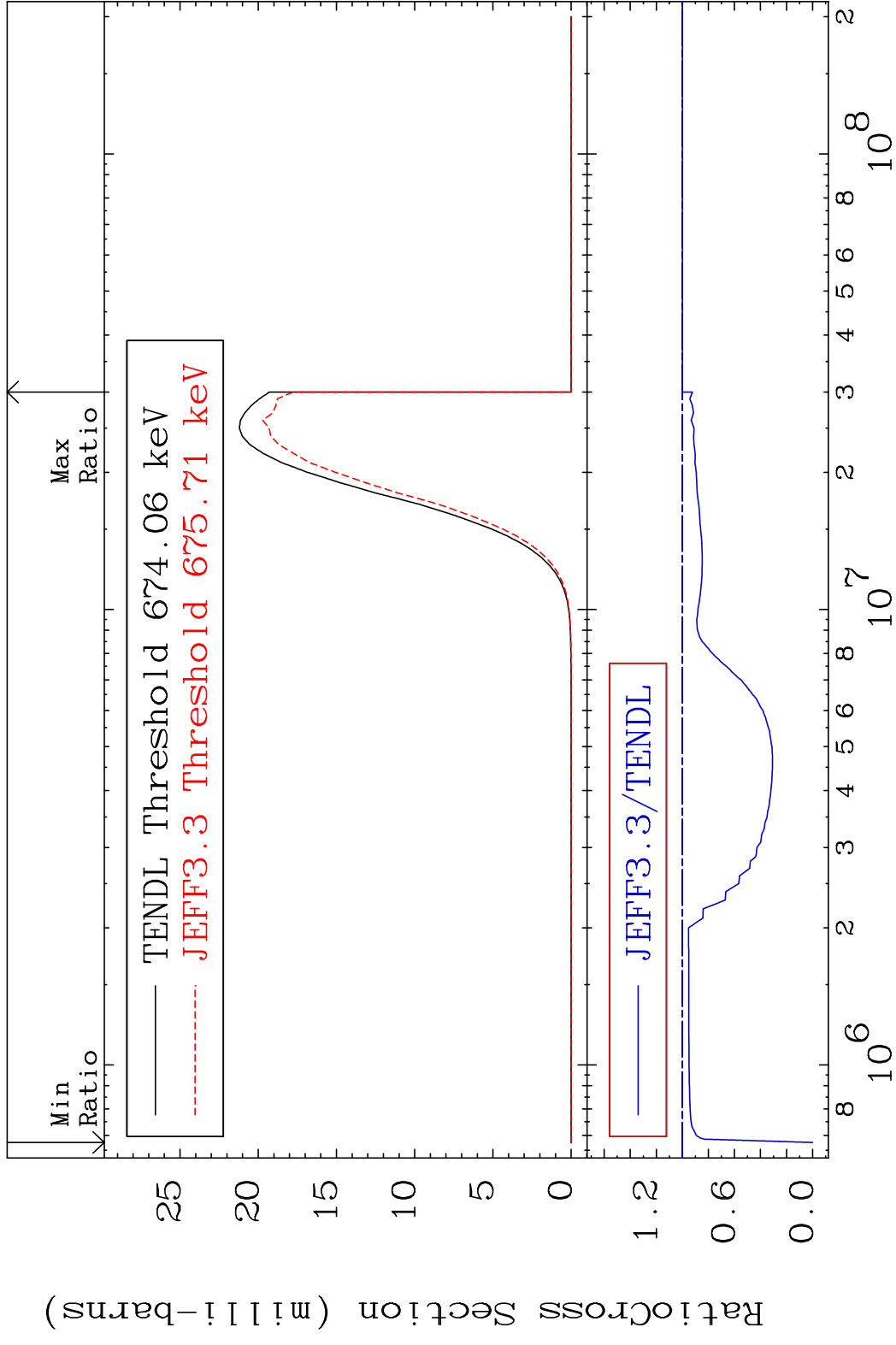




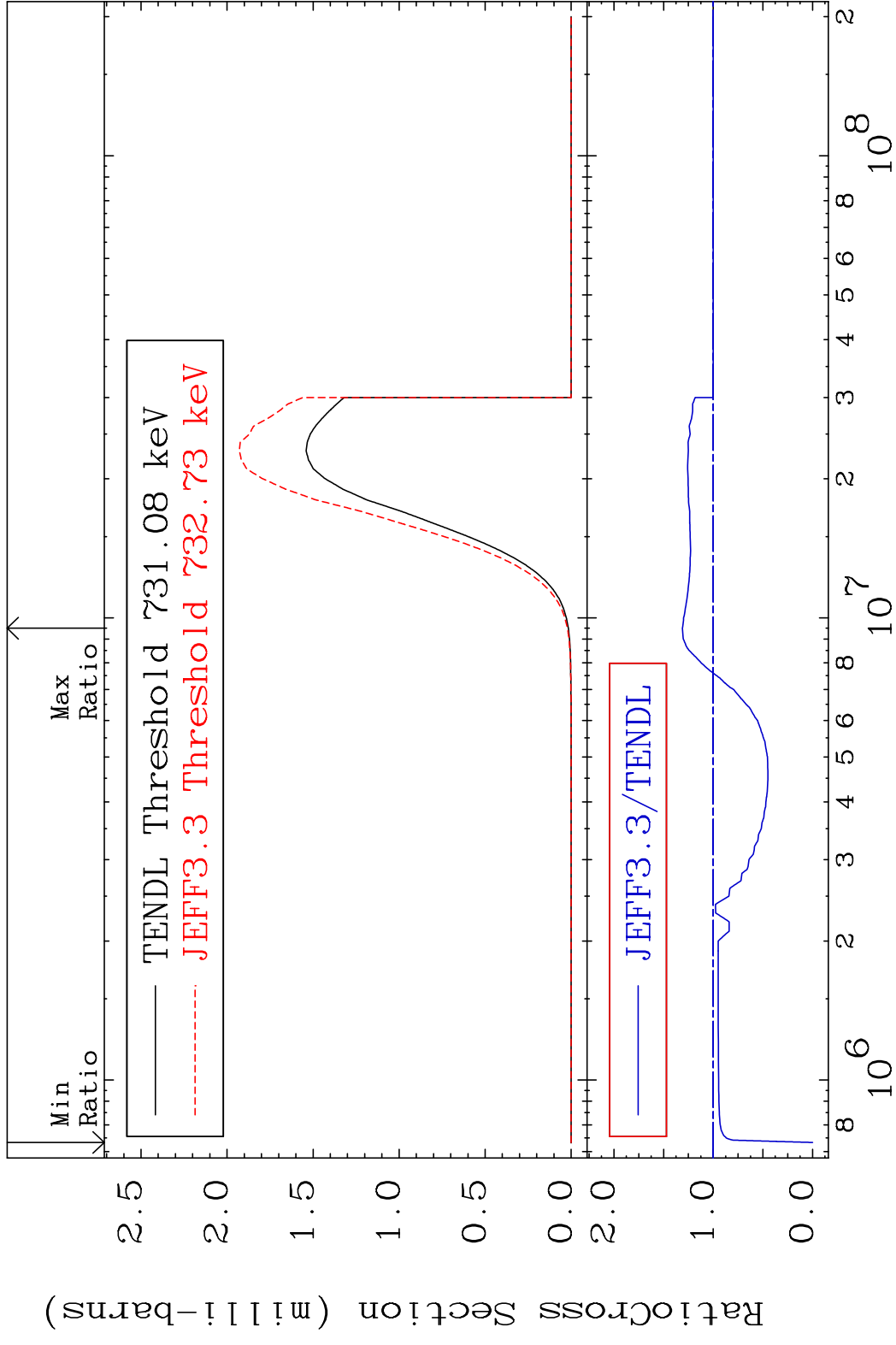


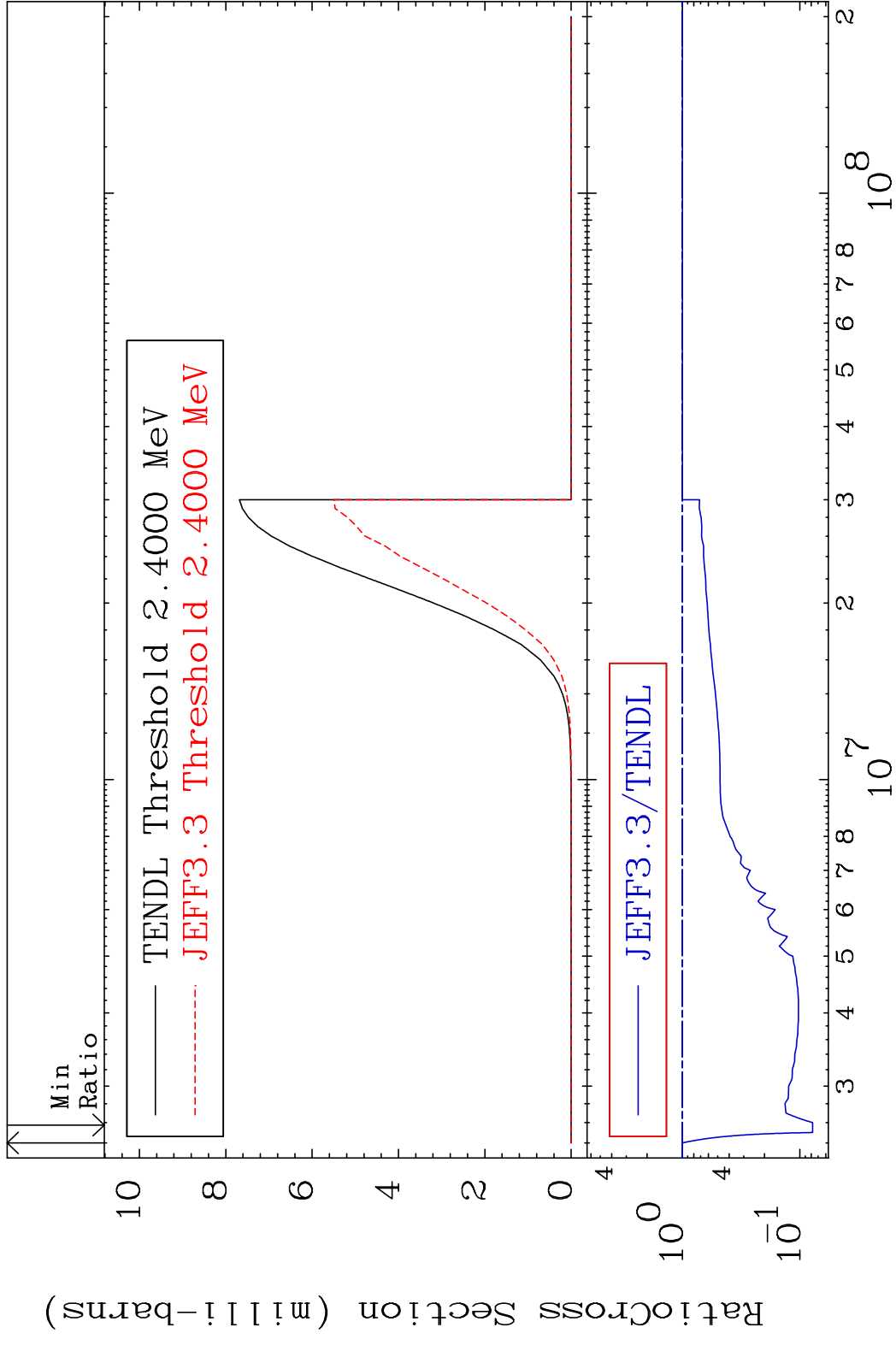


MAT 7831 (n,p):77-Ir-192g 78-Pt-192  
 Radionuclide Production Cross Section 0.000 %

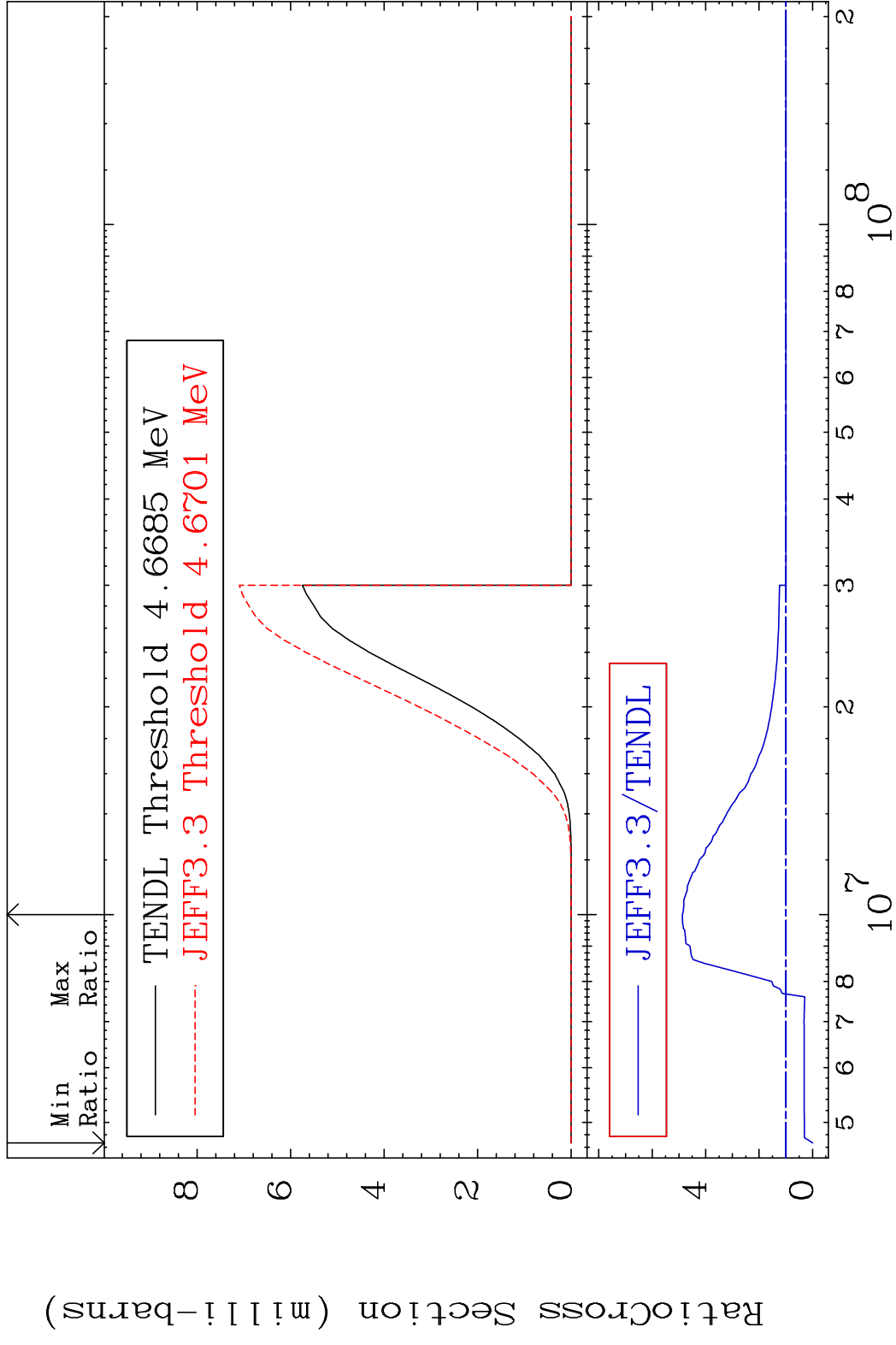


75 Incident Energy (eV) 78-Pt-192

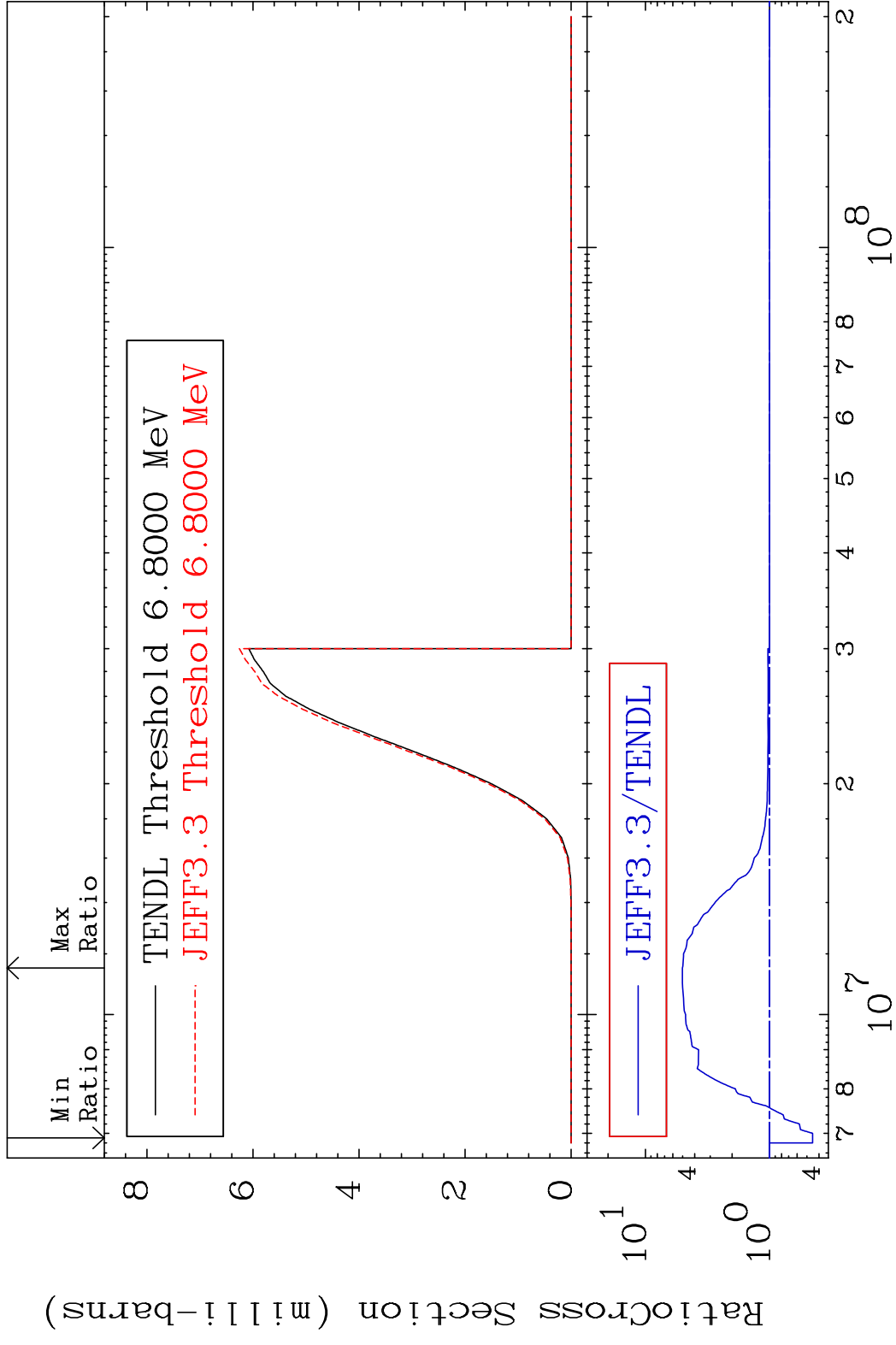




MAT 7831 (n,d):77-Ir-191g 78-Pt-192  
 Radionuclide Production Cross Section 387.2 %

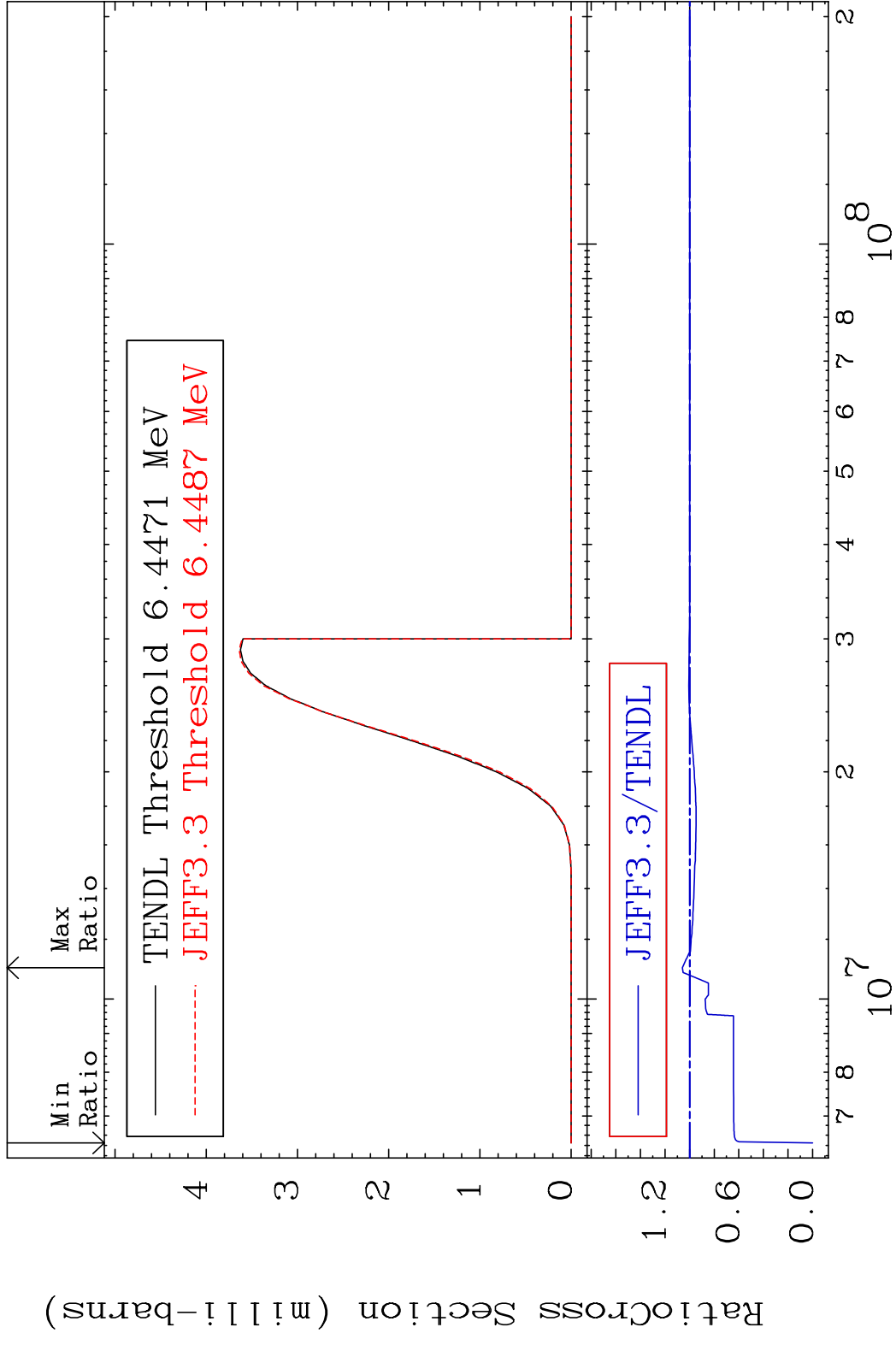


MAT 7831 (n, d): 77-Ir-191m3 78-Pt-192  
 Radionuclide Production Cross Section 5.6e-08 b 403.5 %

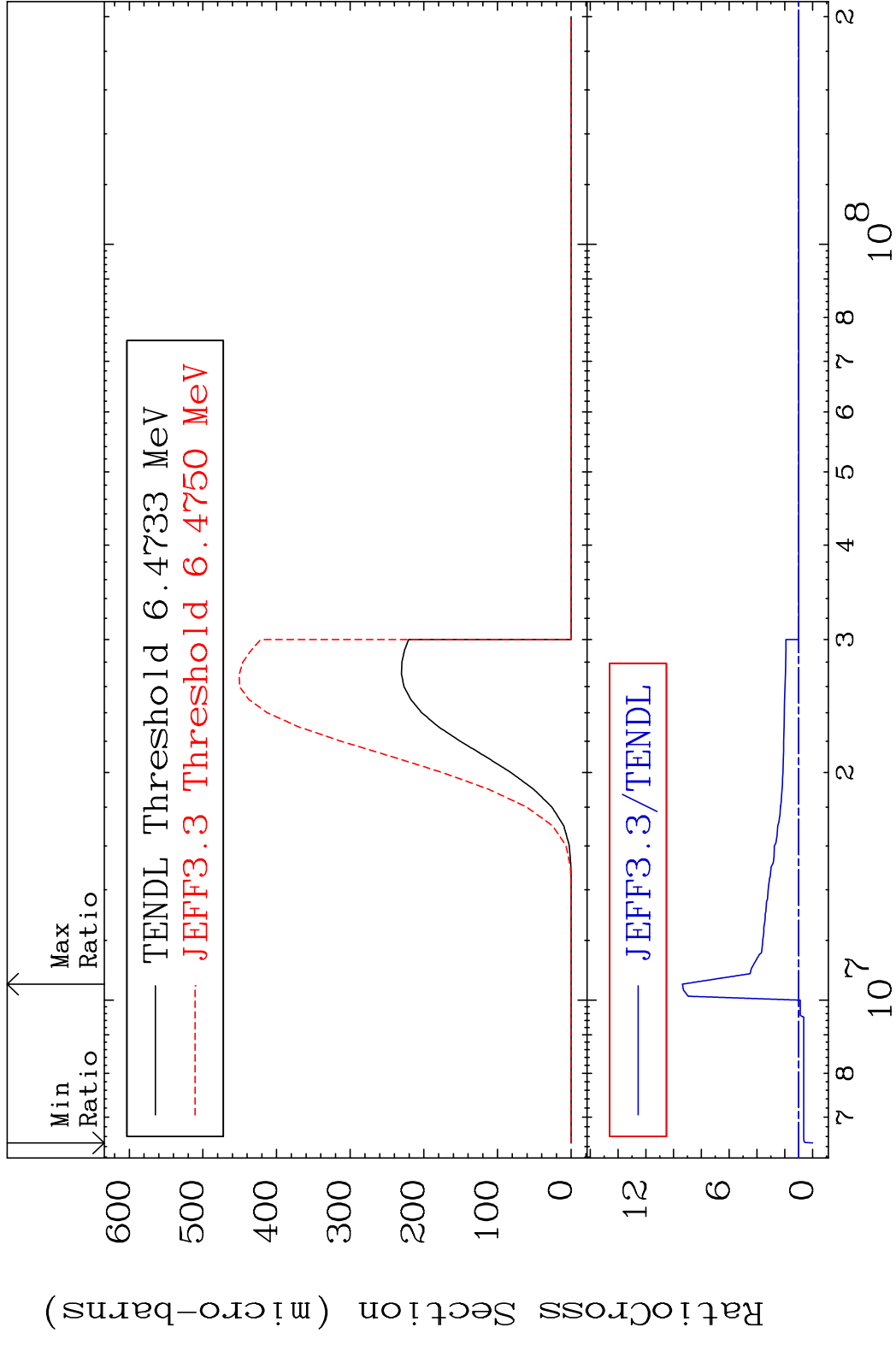


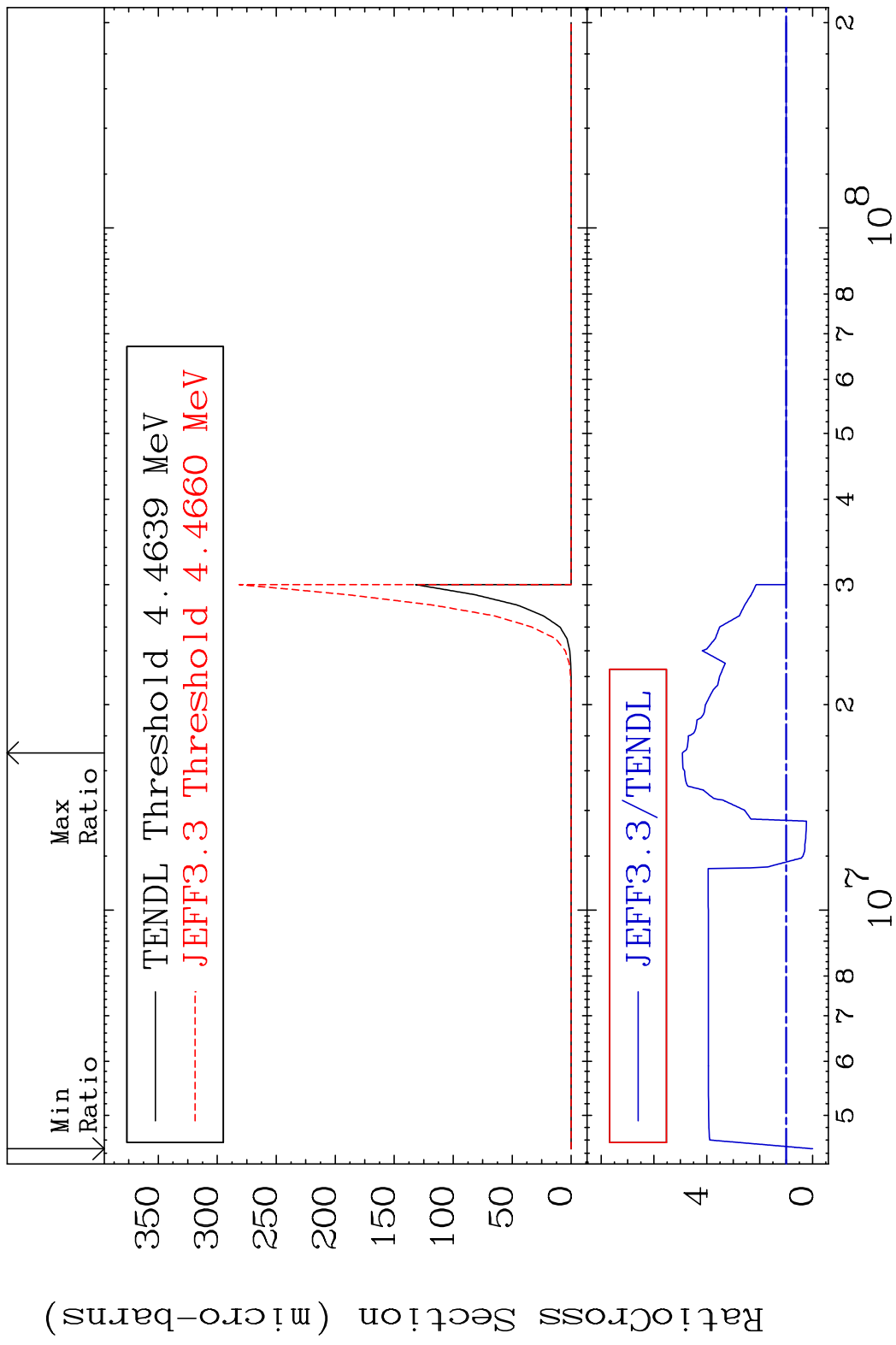


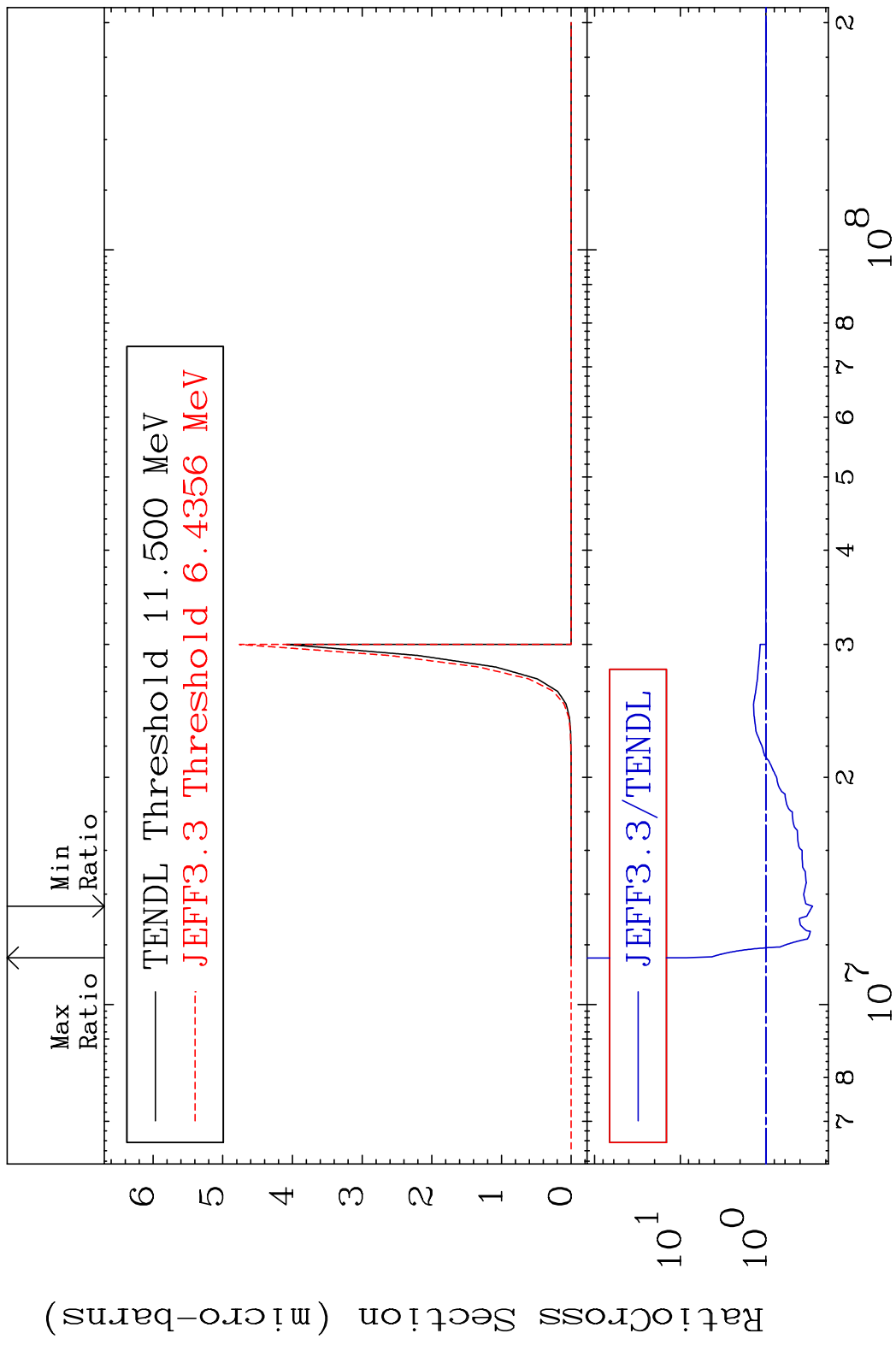
MAT 7831 (n,t):77-Ir-190g 78-Pt-192  
 Radionuclide Production Cross Section 180.01 dth 5.913 %

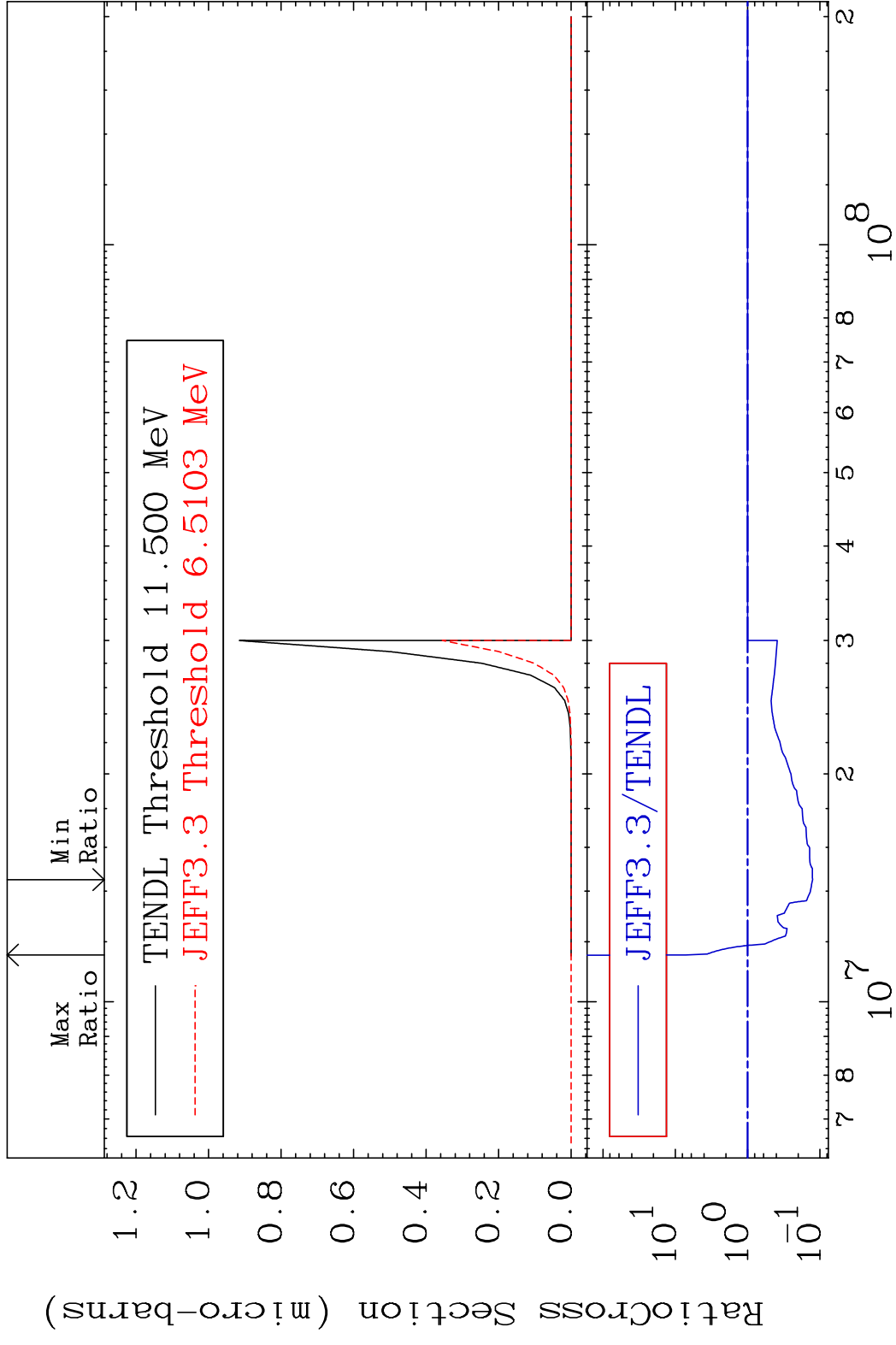


MAT 7831 (n, t): 77-Ir-190m2 78-Pt-192  
 Radionuclide Production Cross Section 180.0 dth 837.0 %

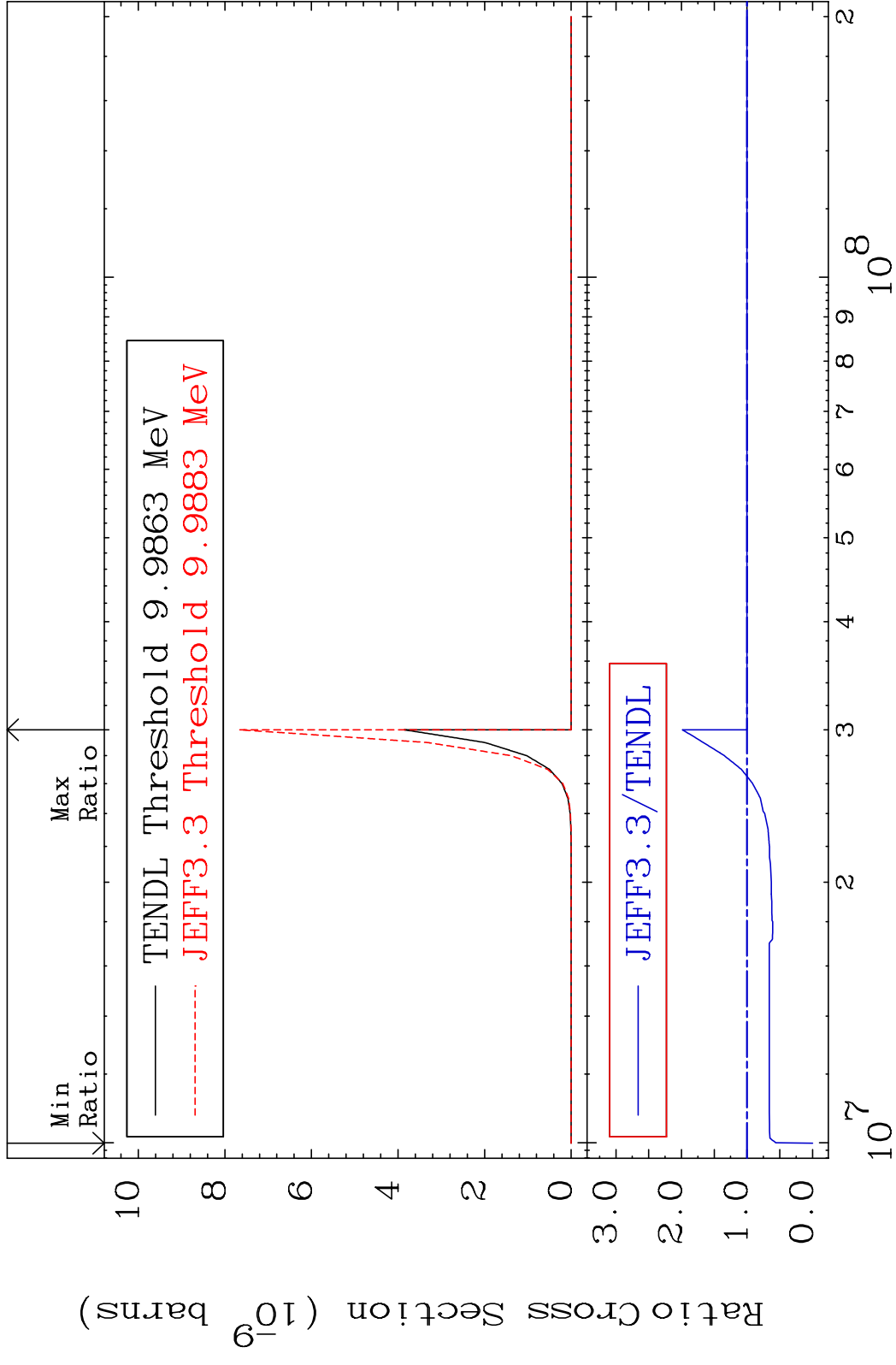




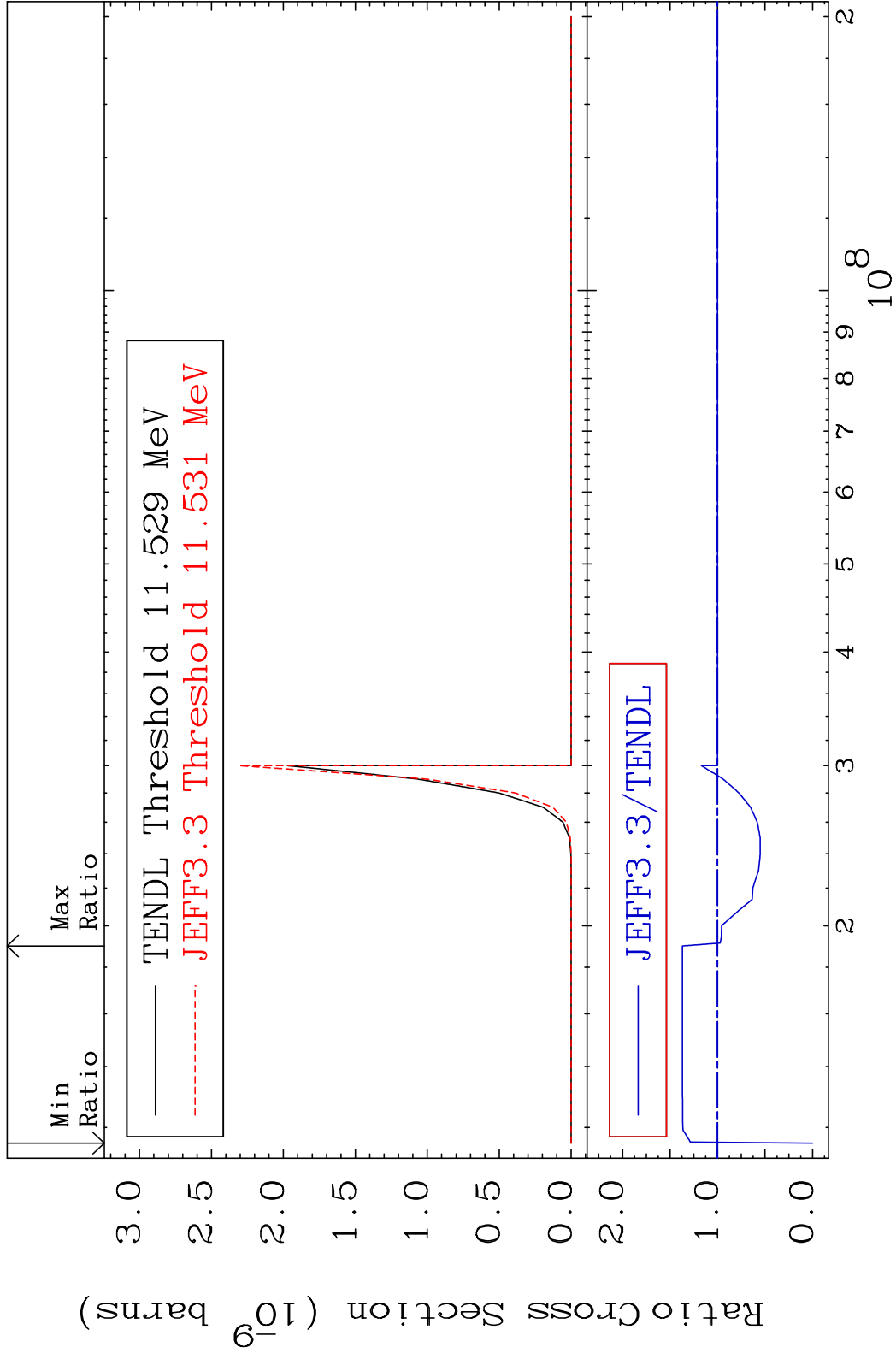




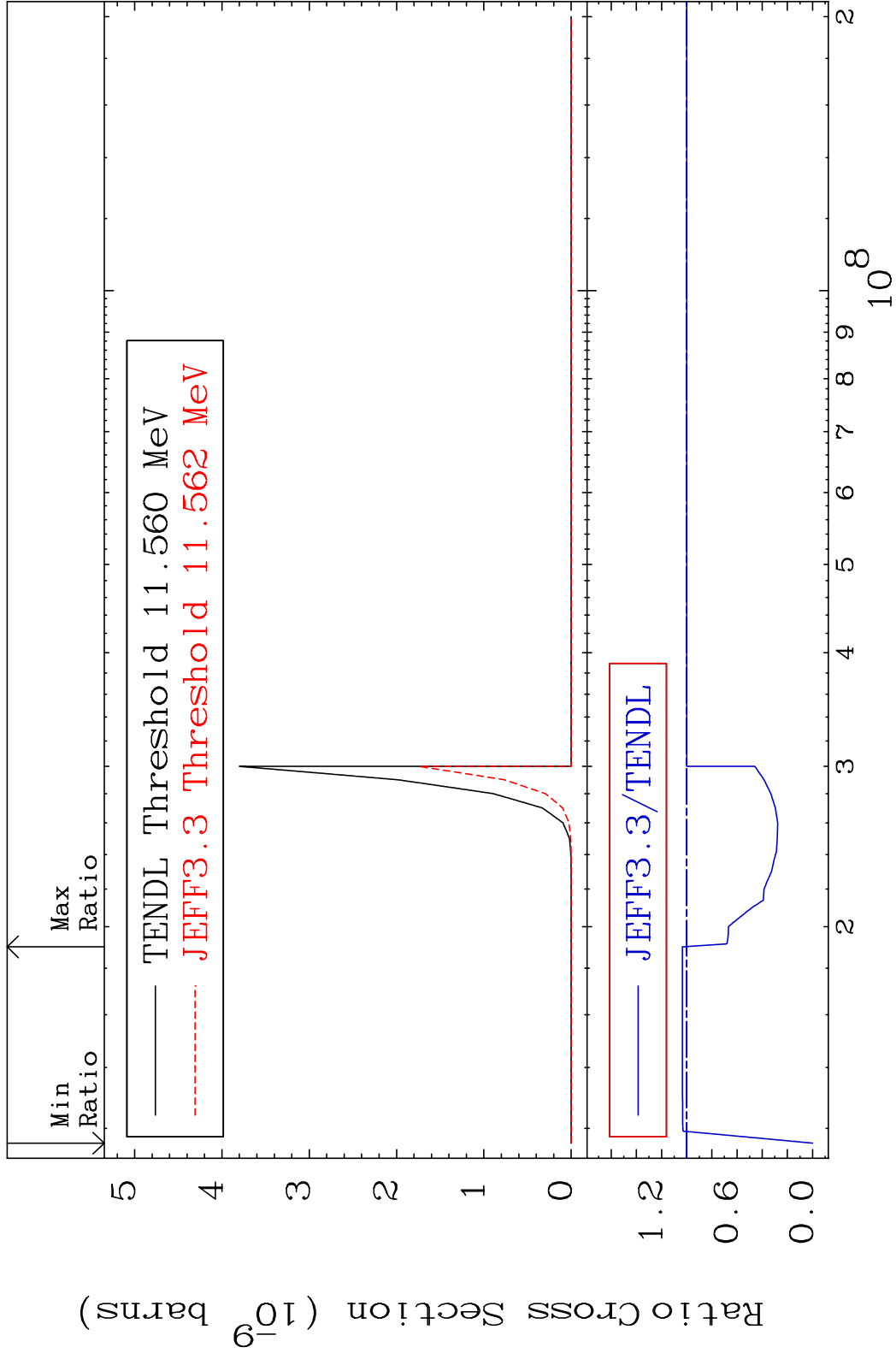
MAT 7831 (n, p) d:76-0s-190g 78-Pt-192  
 Radionuclide Production Cross Section Ratio 98.64 %



MAT 7831 (n,p) t:76-0s-189g 78-Pt-192  
 Radionuclide Production Cross Section 189gPt-192 37.04 %



MAT 7831 (n, p) t:76-0s-189m1 78-Pt-192  
 Radionuclide Production Cross Section Ratio 3.457 %





MAT 7831 (n, p) t:76-0s-189m1 78-Pt-192  
 Radionuclide Production Cross Section Ratio 3.457 %

