

Program Complot  
(Version 2021-1)

by

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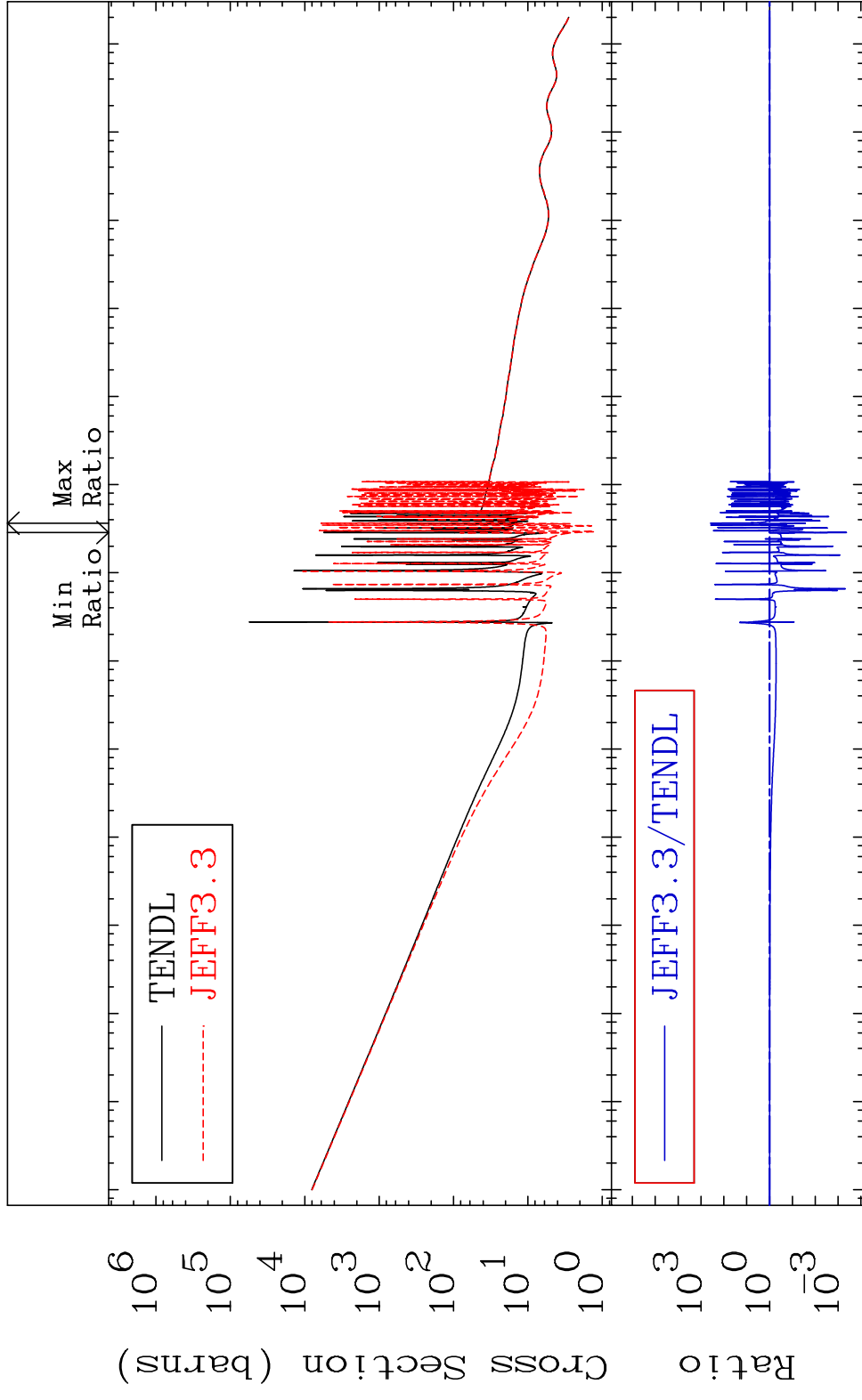
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7825

Total Cross Section -99.96 To 9999. %

78-Pt-190



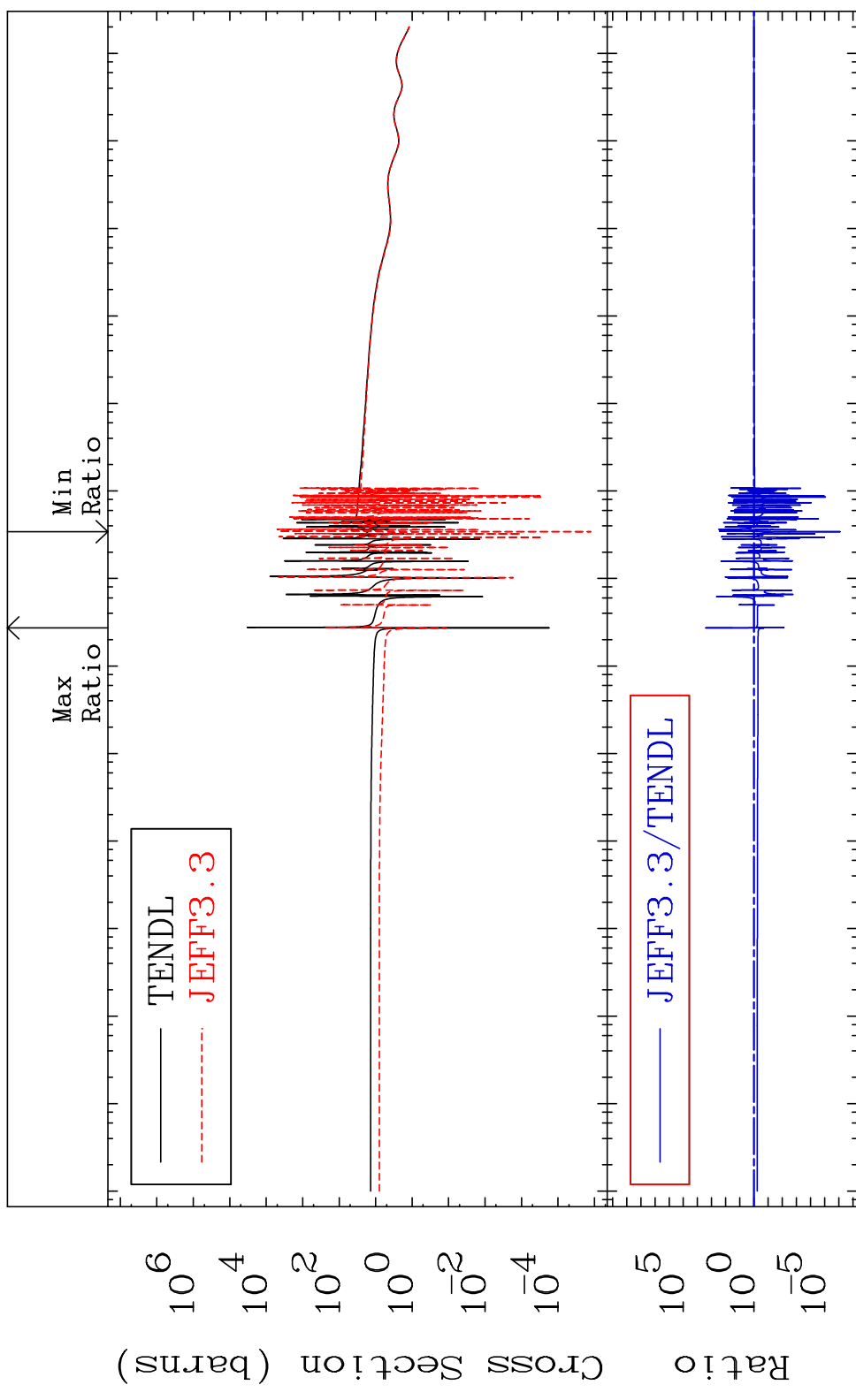
1

Incident Energy (eV)

78-Pt-190

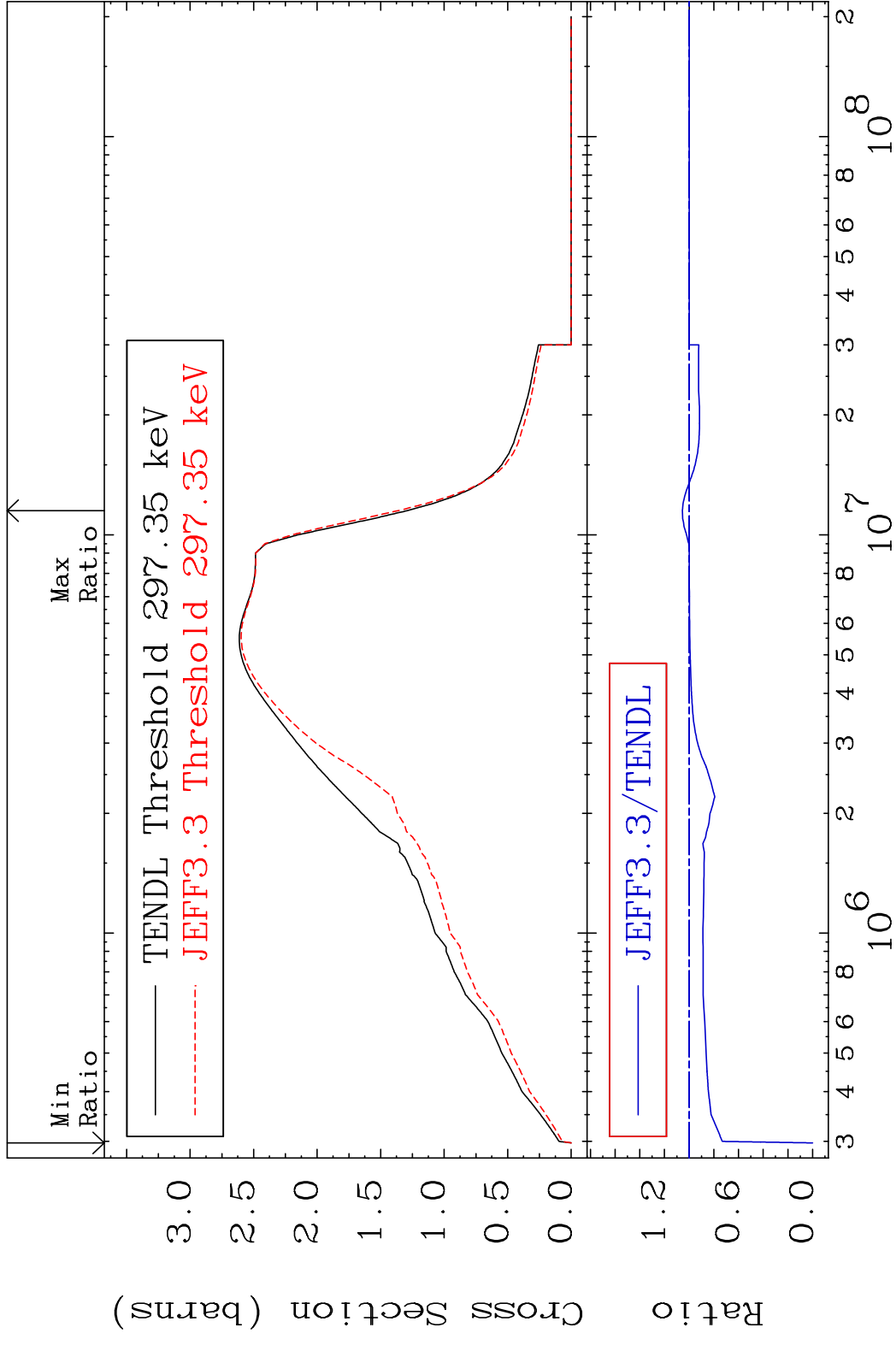
MAT 7825

Elastic Cross Section -100.0 To 9999. %  
78-Pt-190



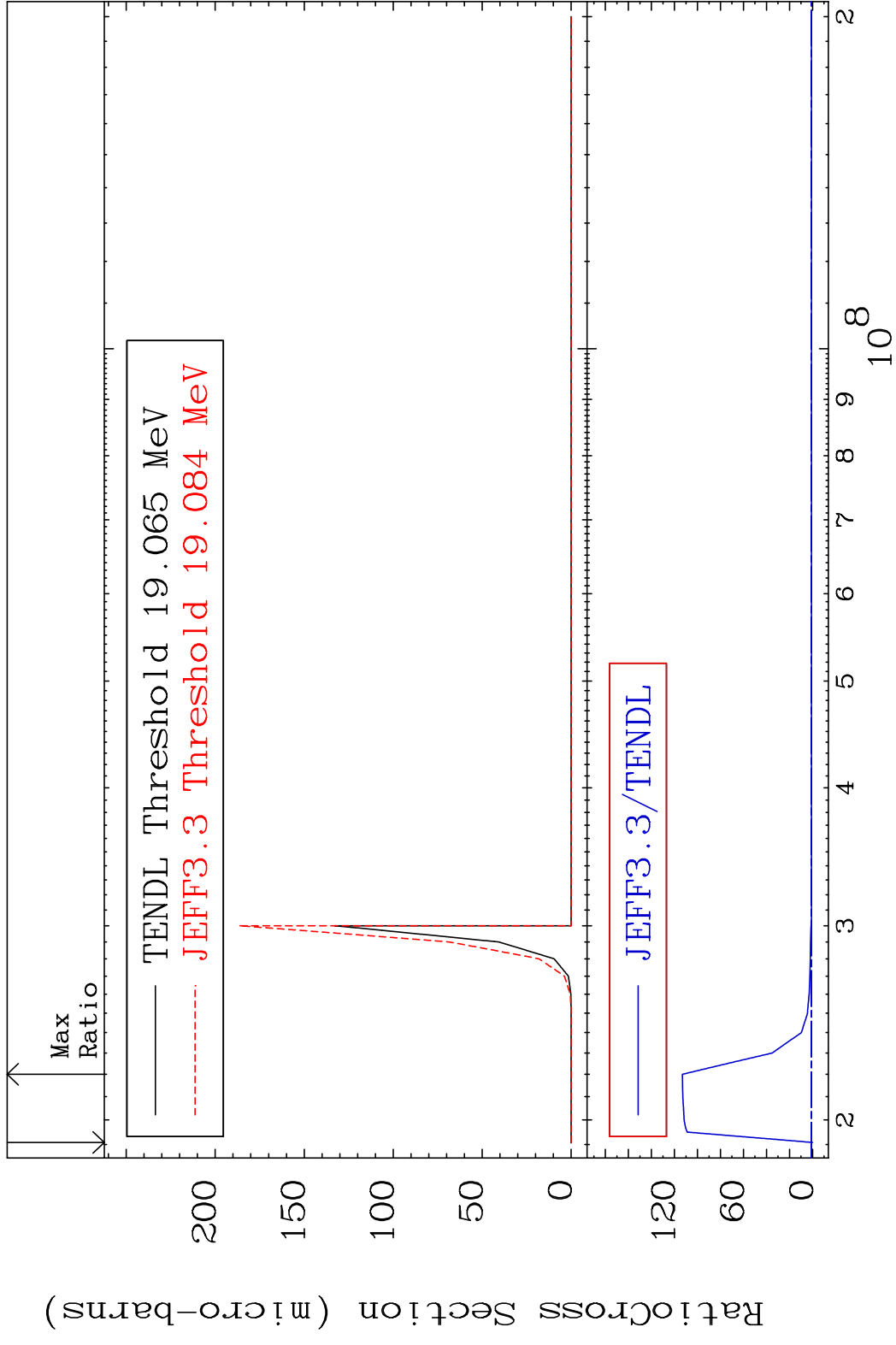
2 Incident Energy (eV) 78-Pt-190

MAT 7825 Inelastic Cross Section -100.0 To 5.509 % 78-Pt-190



3 3 Incident Energy (eV) 78-Pt-190

MAT 7825 (n,2n) d 78-Pt-190  
 Cross Section -100.0 To 9999. %

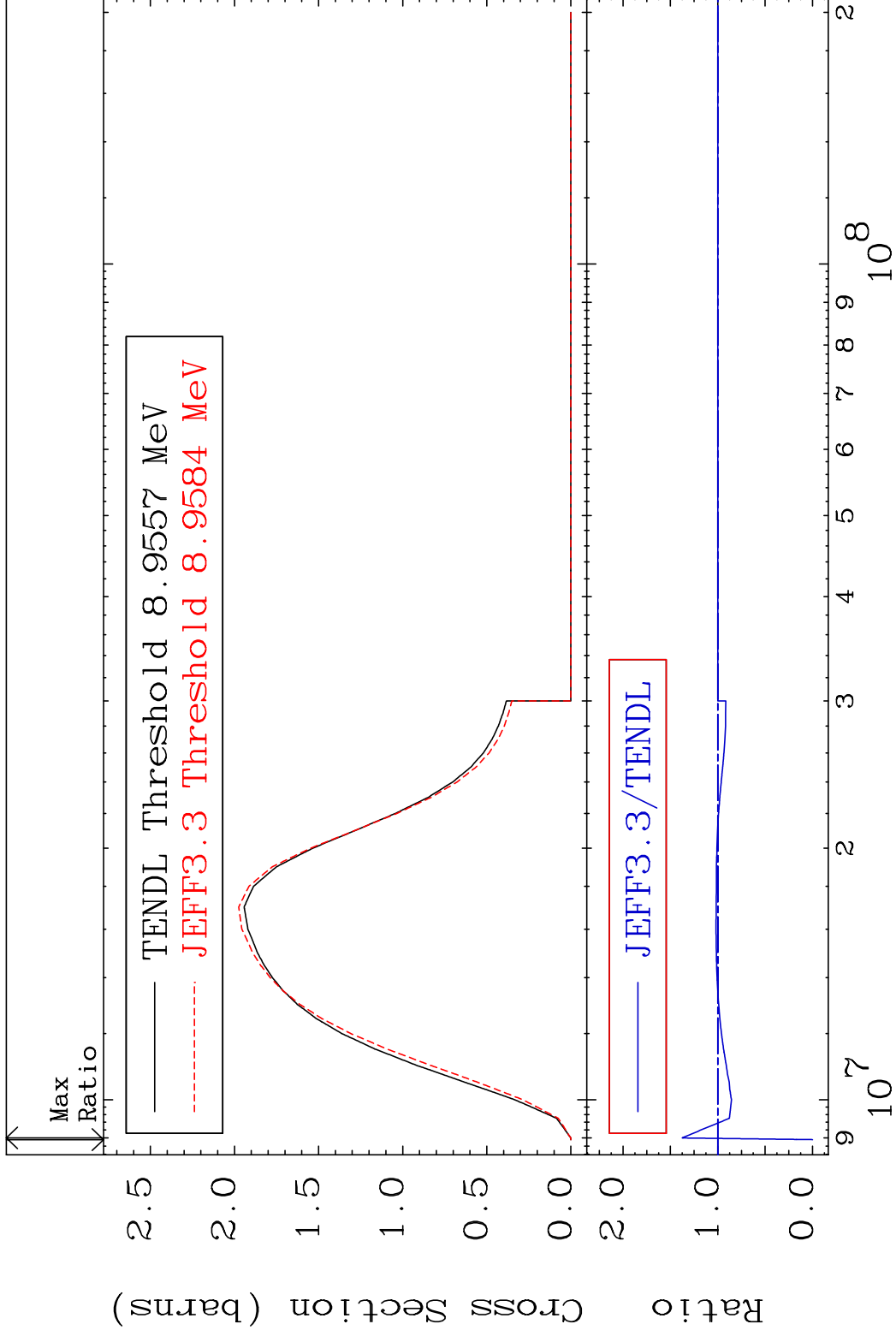


MAT 7825

(n,2n)

78-Pt-190

Cross Section -100.0 To 37.60 %



5

Incident Energy (eV)

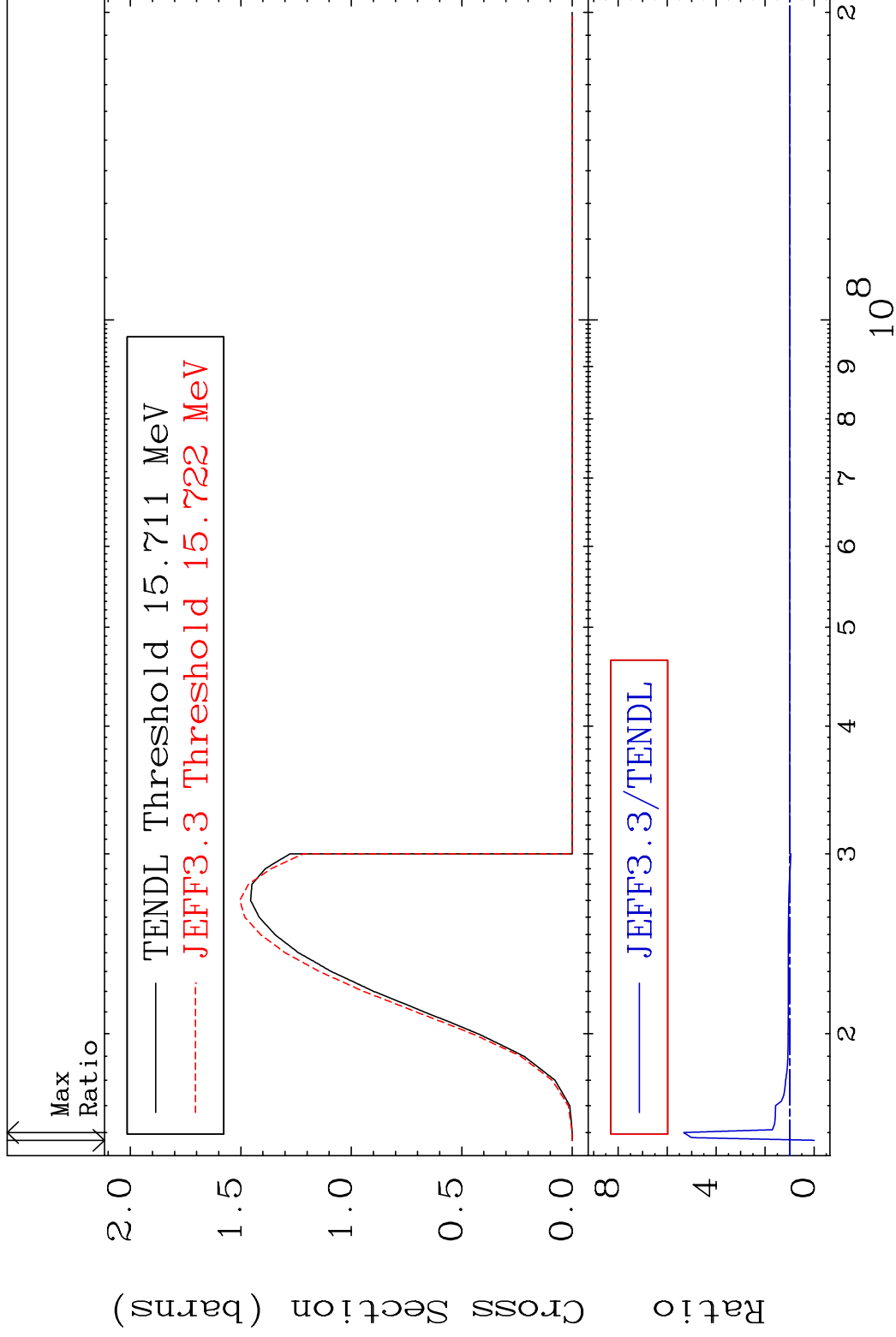
78-Pt-190

MAT 7825

(n,3n)

78-Pt-190

Cross Section -100.0 To 432.5 %



6

Incident Energy (eV)

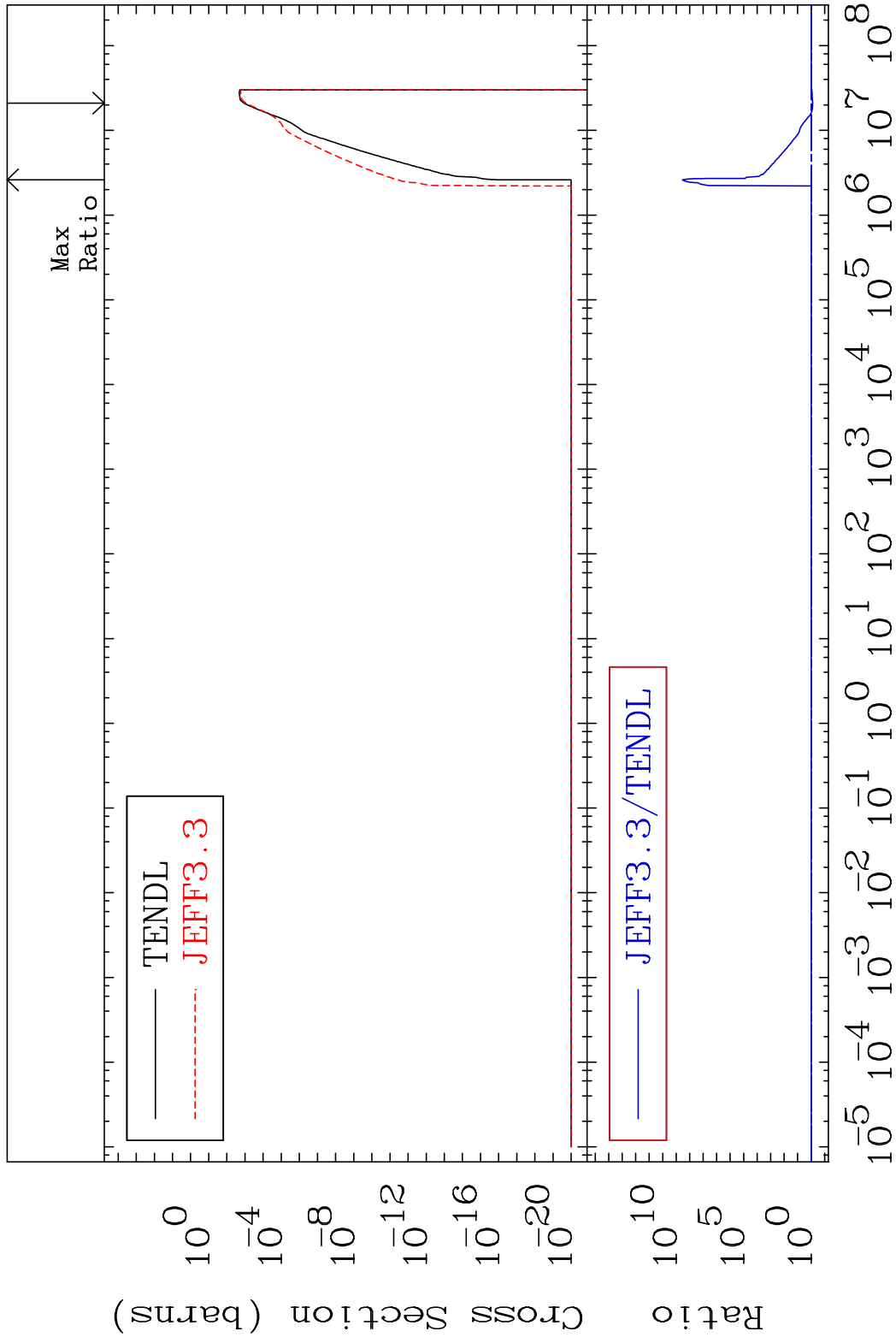
78-Pt-190

MAT 7825

(n, n')  $\alpha$

78-Pt-190

Cross Section -21.29 To 9999. %

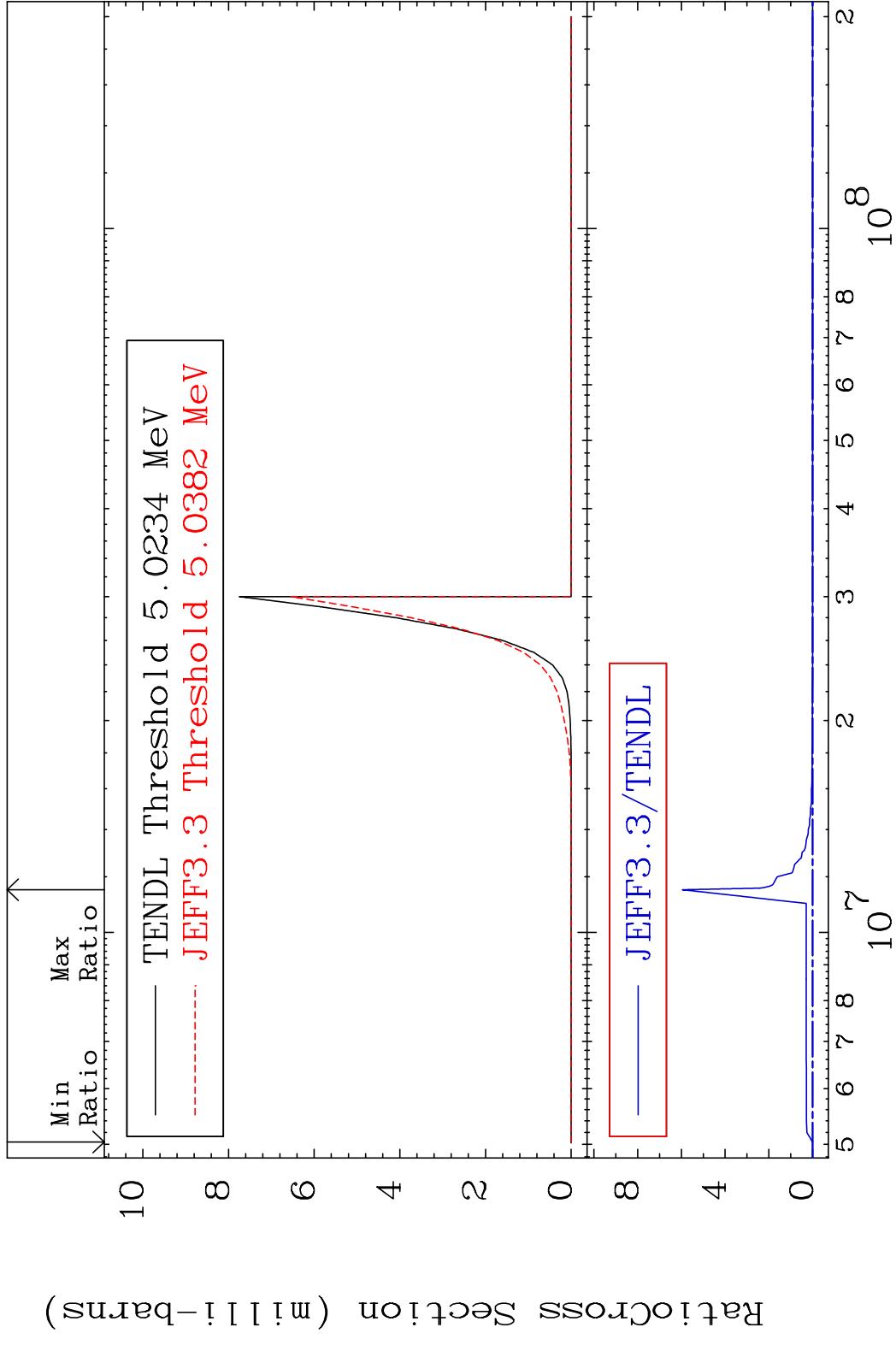


7

Incident Energy (eV)

78-Pt-190

MAT 7825 (n,2n)  $\alpha$  78-Pt-190  
 Cross Section -100.0 To 9999. %



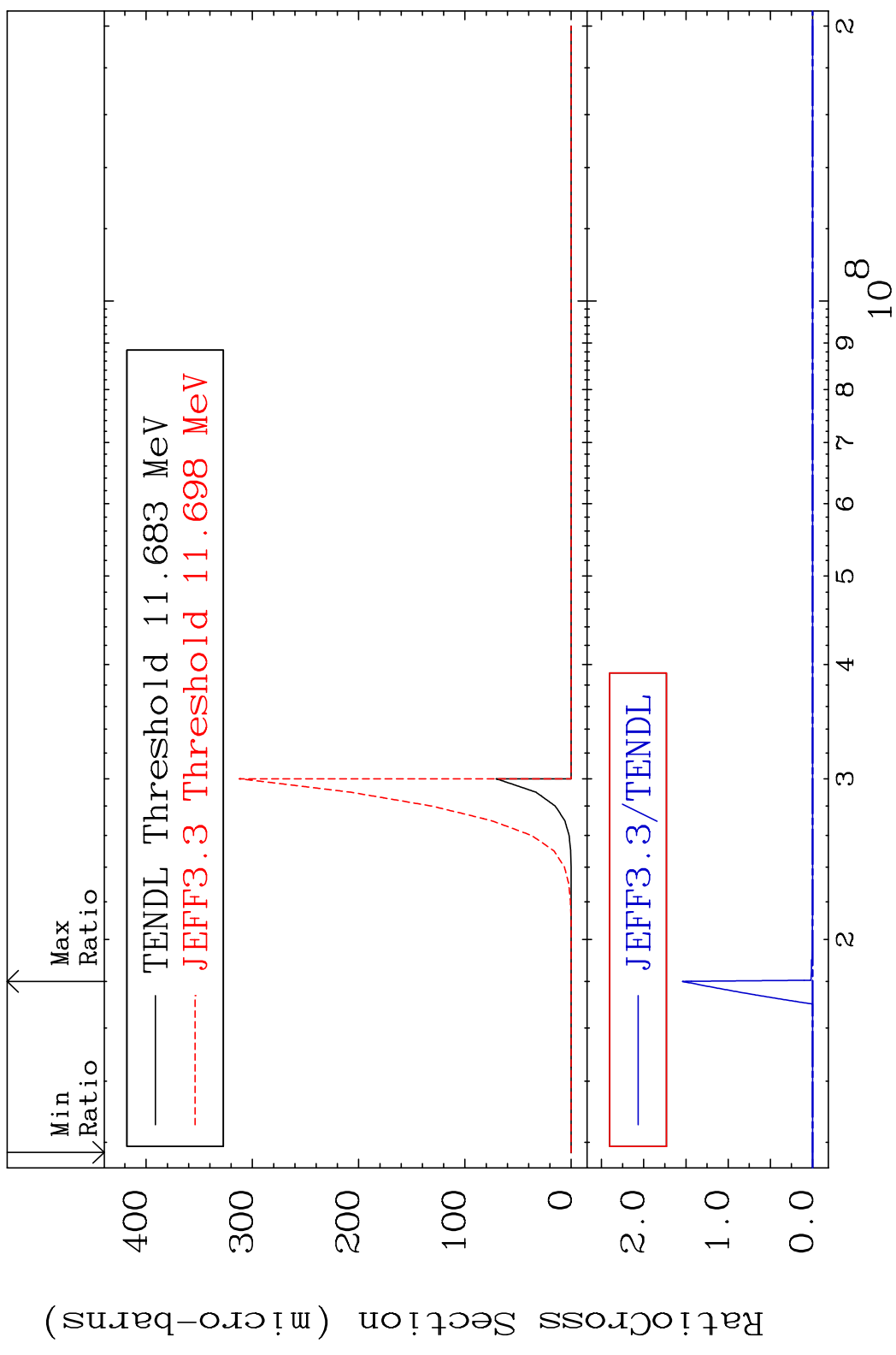
8 10 7 8 10 8 7 8 2 78-Pt-190

MAT 7825

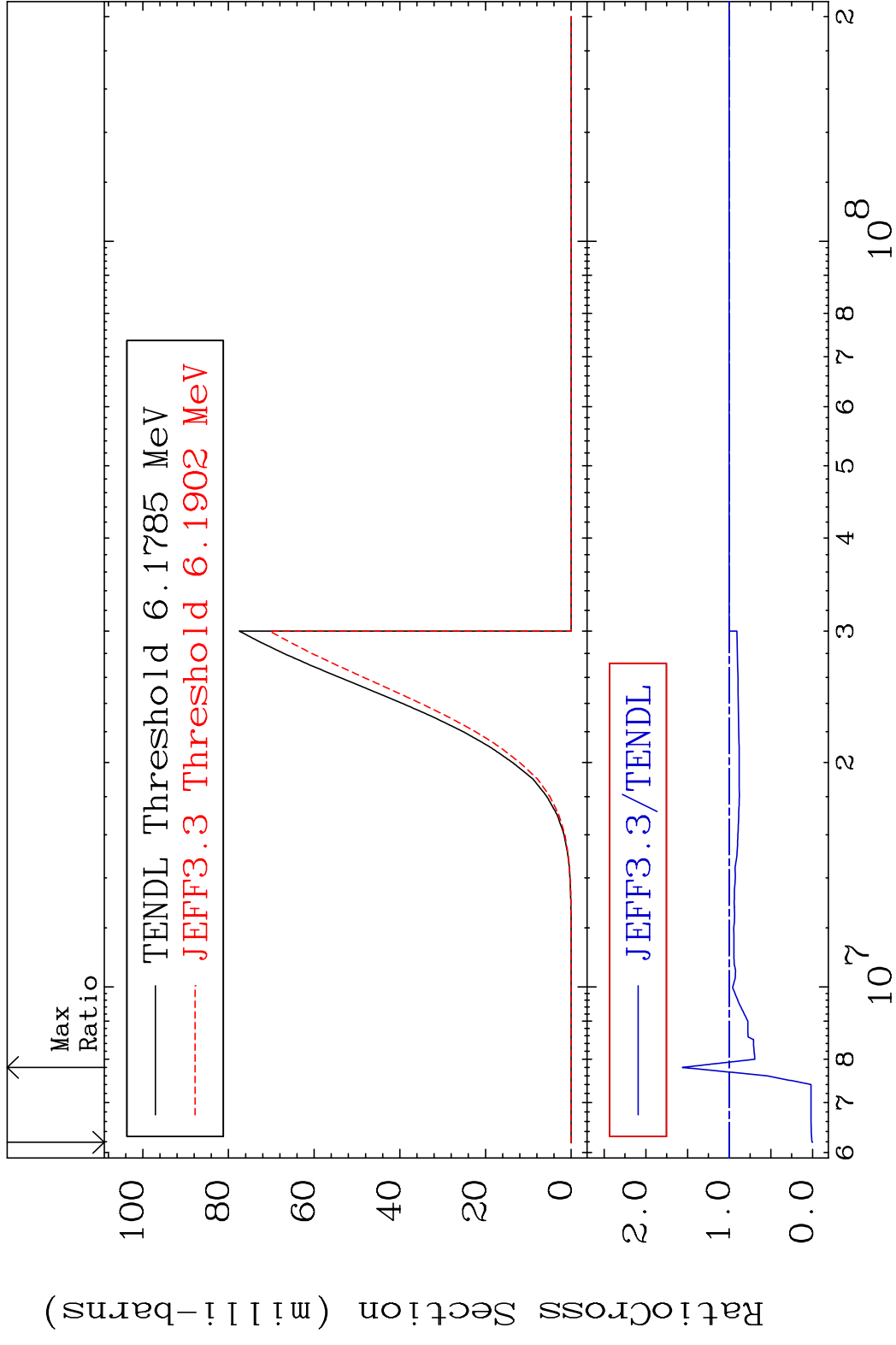
(n,3n)  $\alpha$

78-Pt-190

Cross Section -100.0 To 9999. %



MAT 7825 (n, n') p 78-Pt-190  
 Cross Section -100.0 To 56.21 %

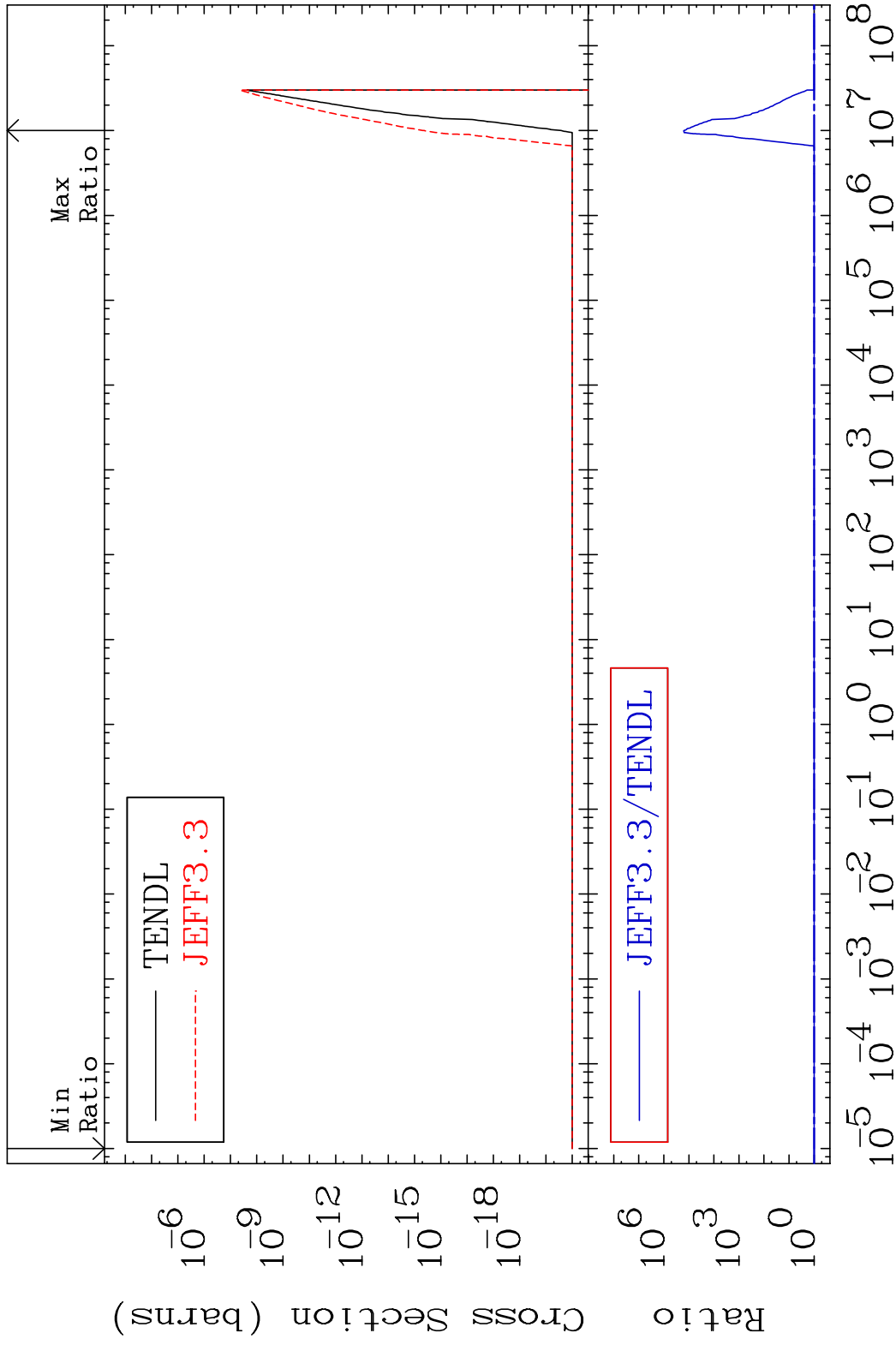


MAT 7825

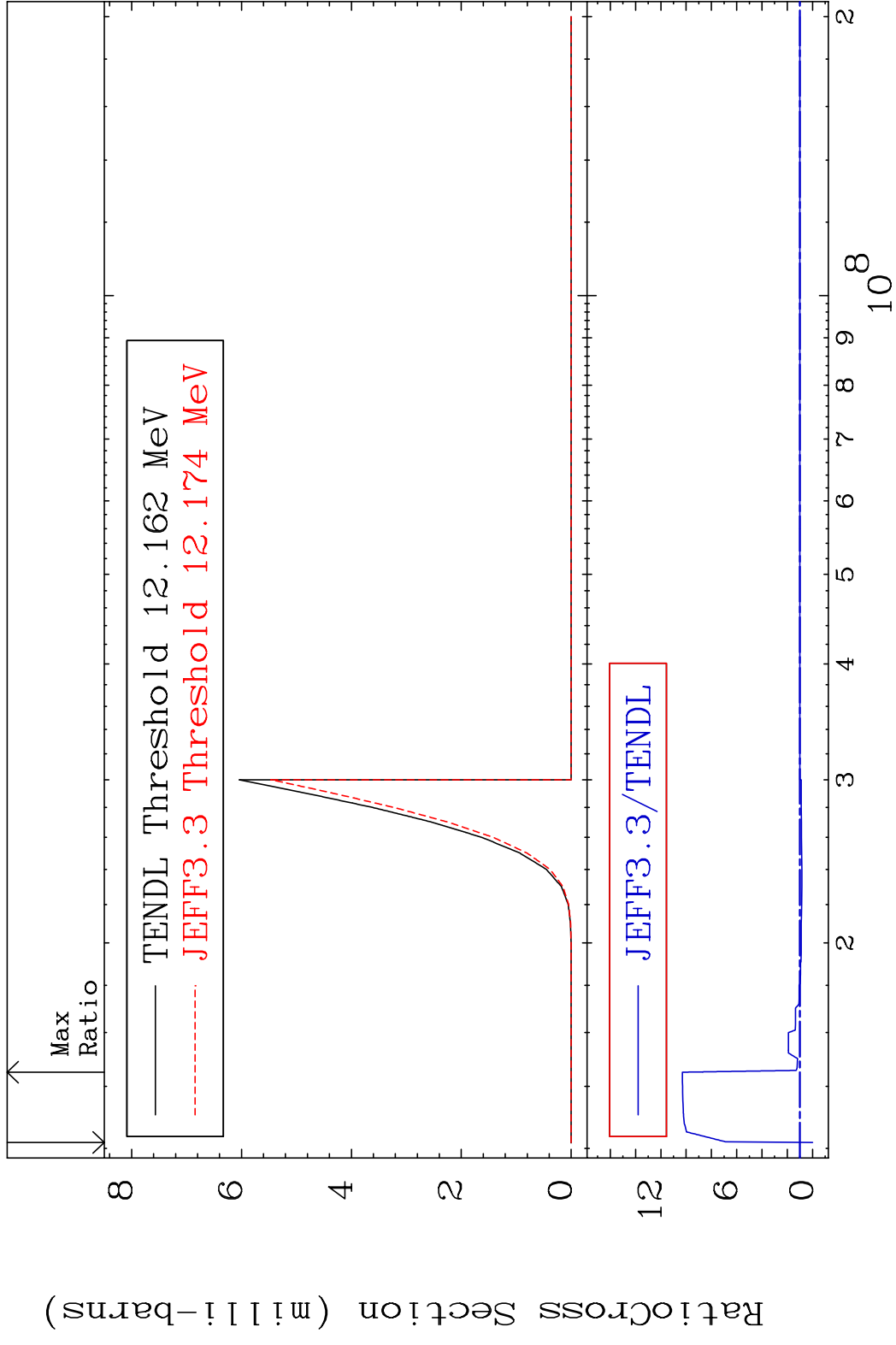
(n, n') 2α

78-Pt-190

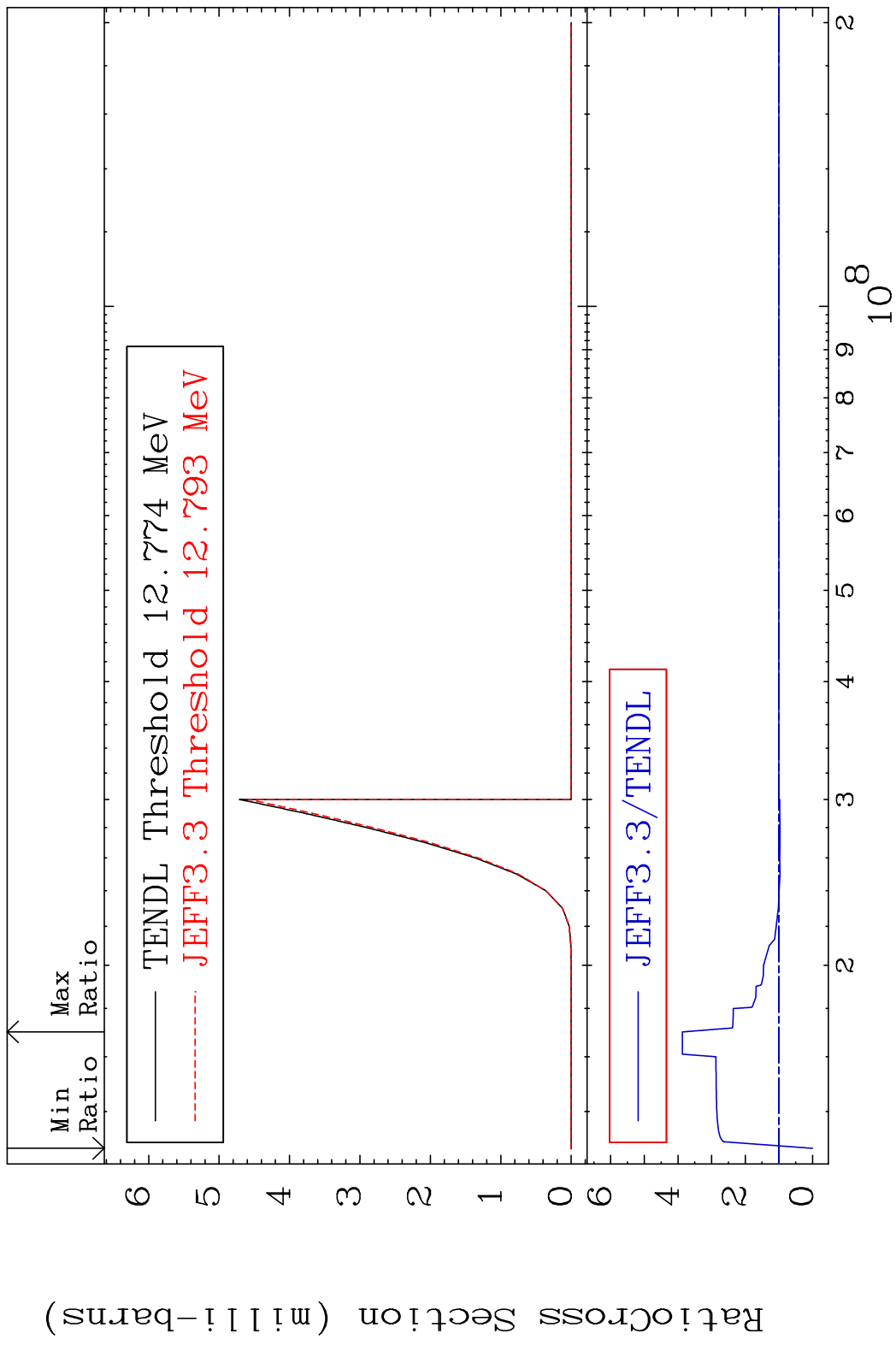
Cross Section 0.000 To 9999. %



MAT 7825 (n, n') d 78-Pt-190  
 Cross Section -100.0 To 930.0 %



MAT 7825 (n, n') t 78-Pt-190  
 Cross Section -100.0 To 286.9 %

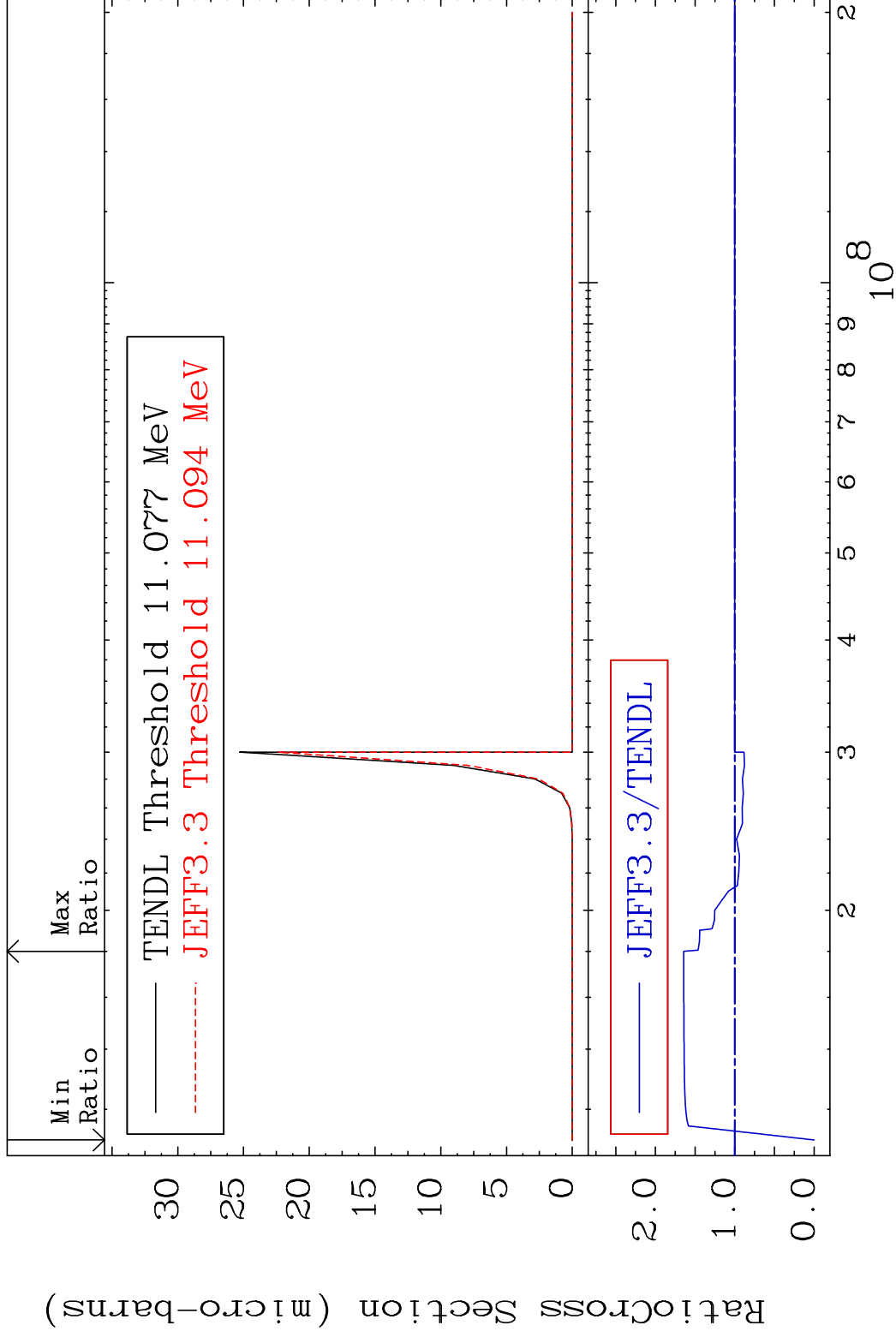


MAT 7825

(n,n') He-3

78-Pt-190

Cross Section -100.0 To 64.39 %

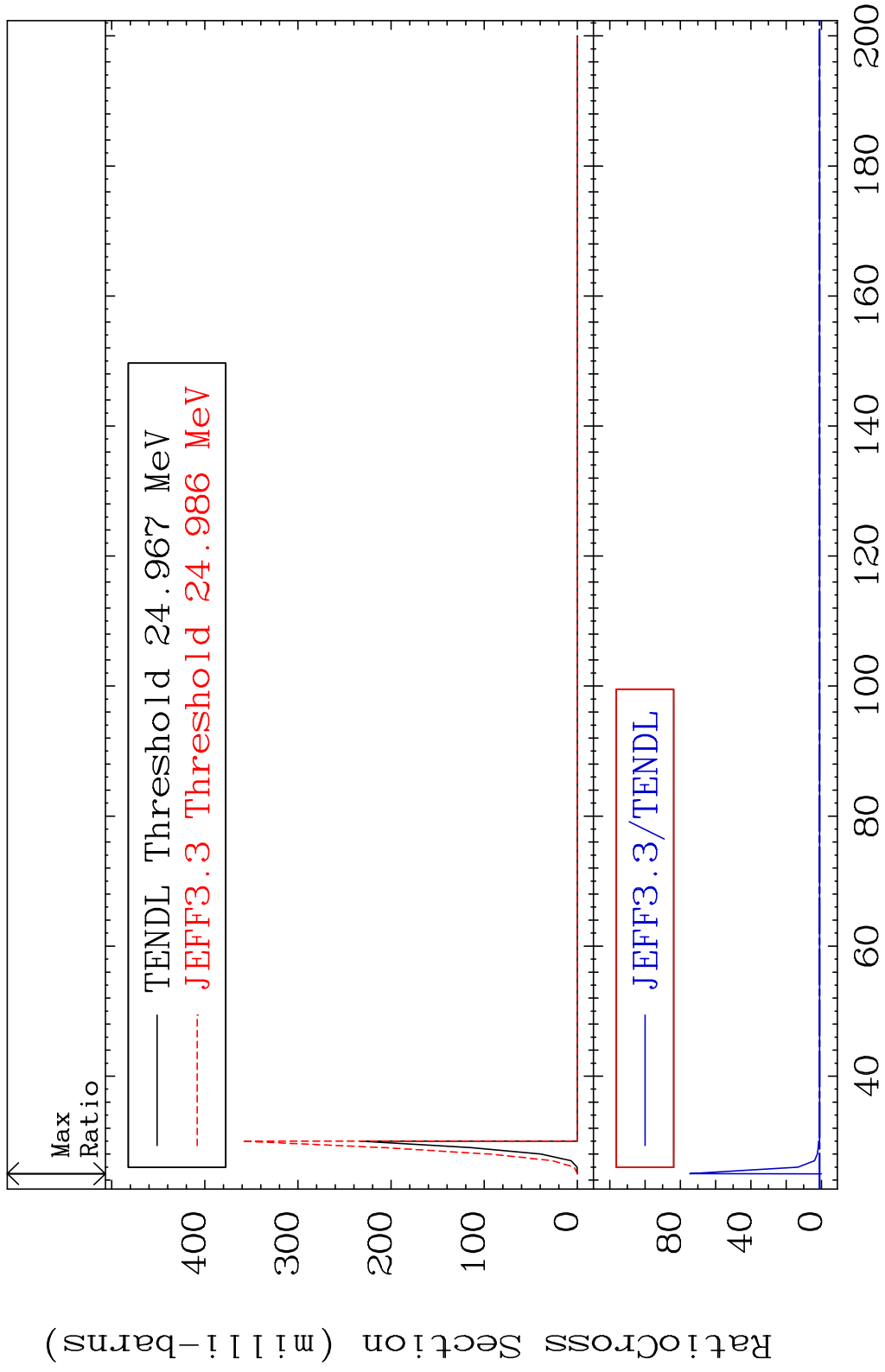


MAT 7825

(n,4n)

78-Pt-190

Cross Section -100.0 To 7364. %

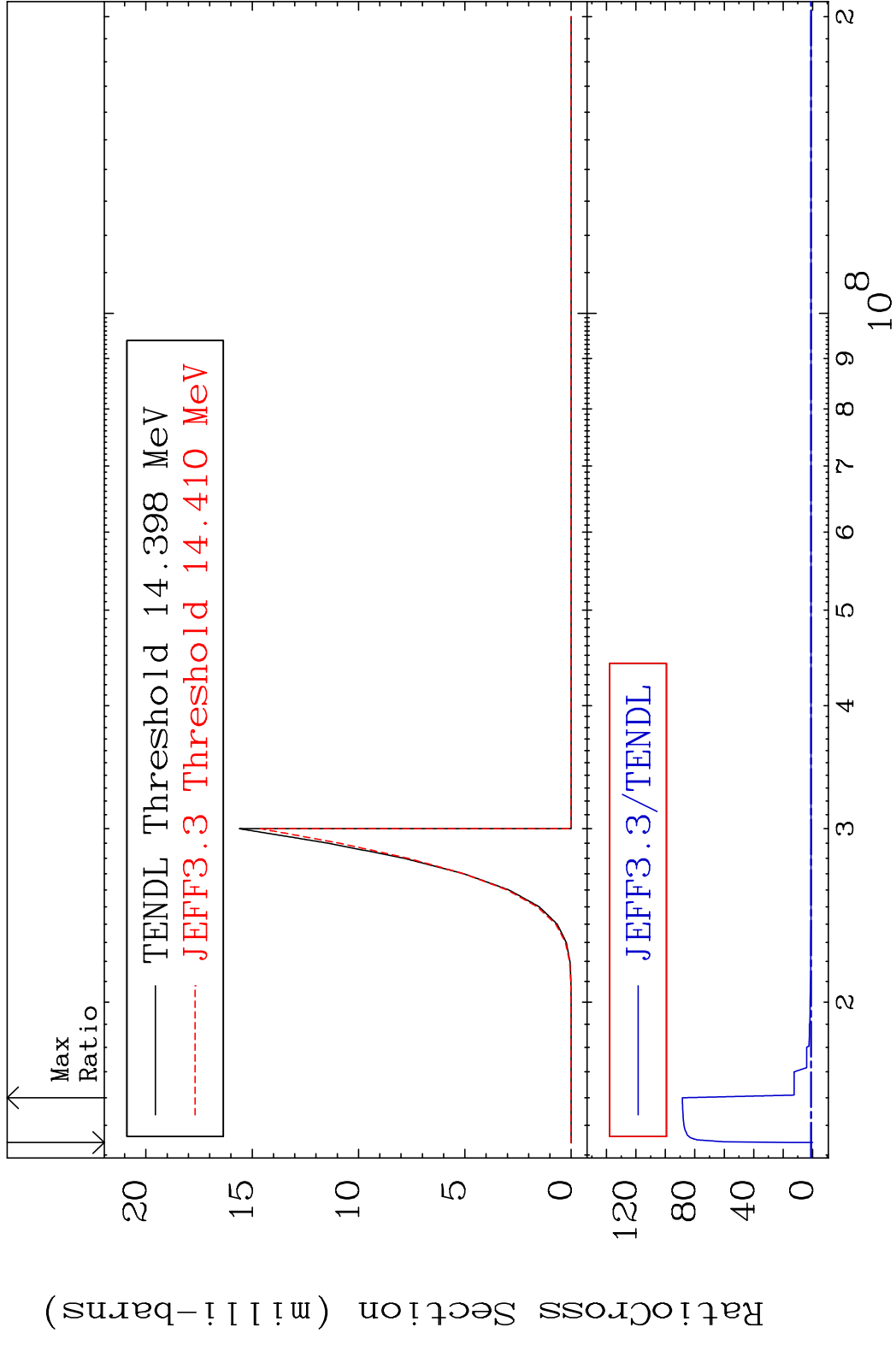


15

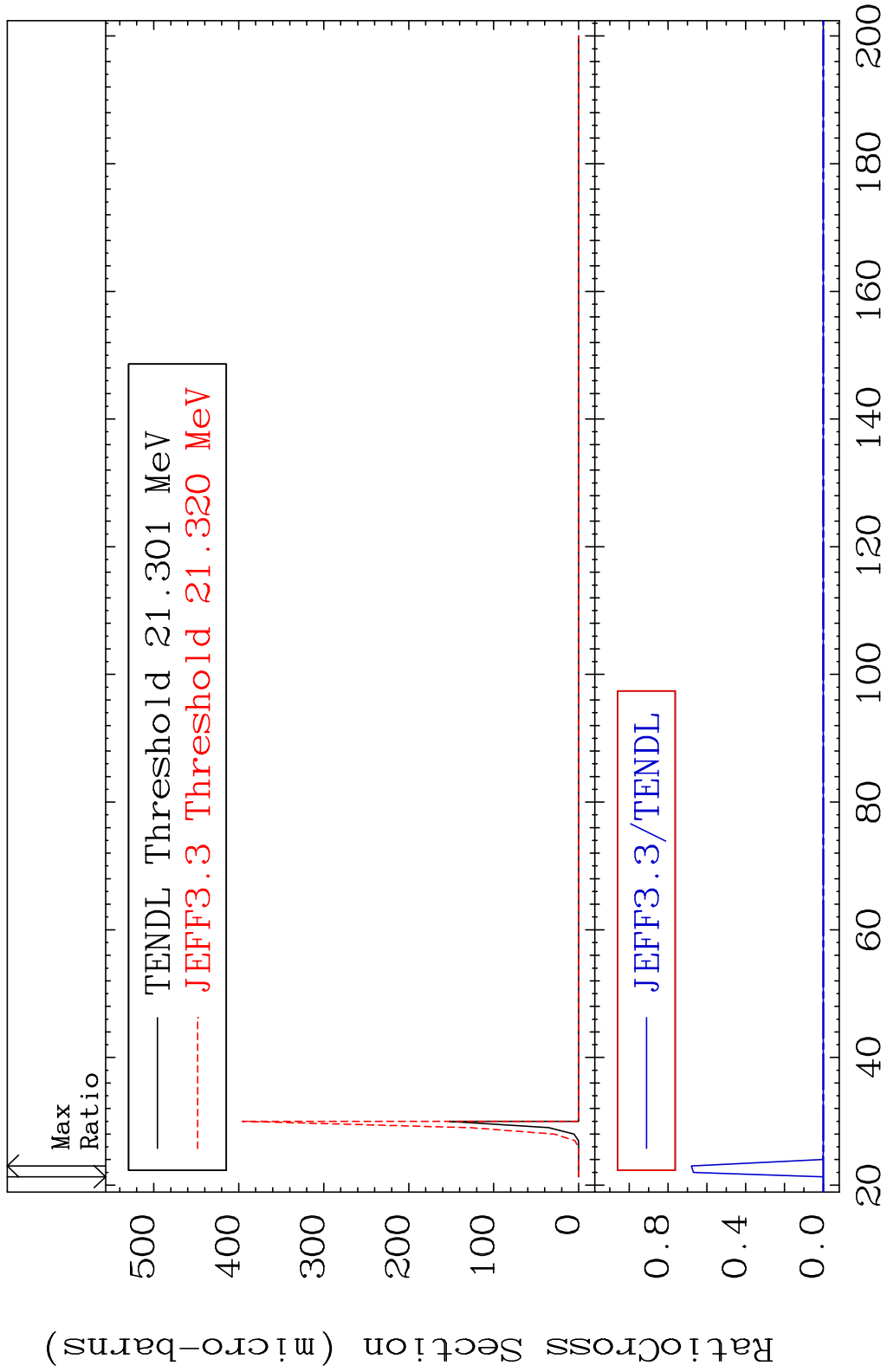
Incident Energy (MeV)

78-Pt-190

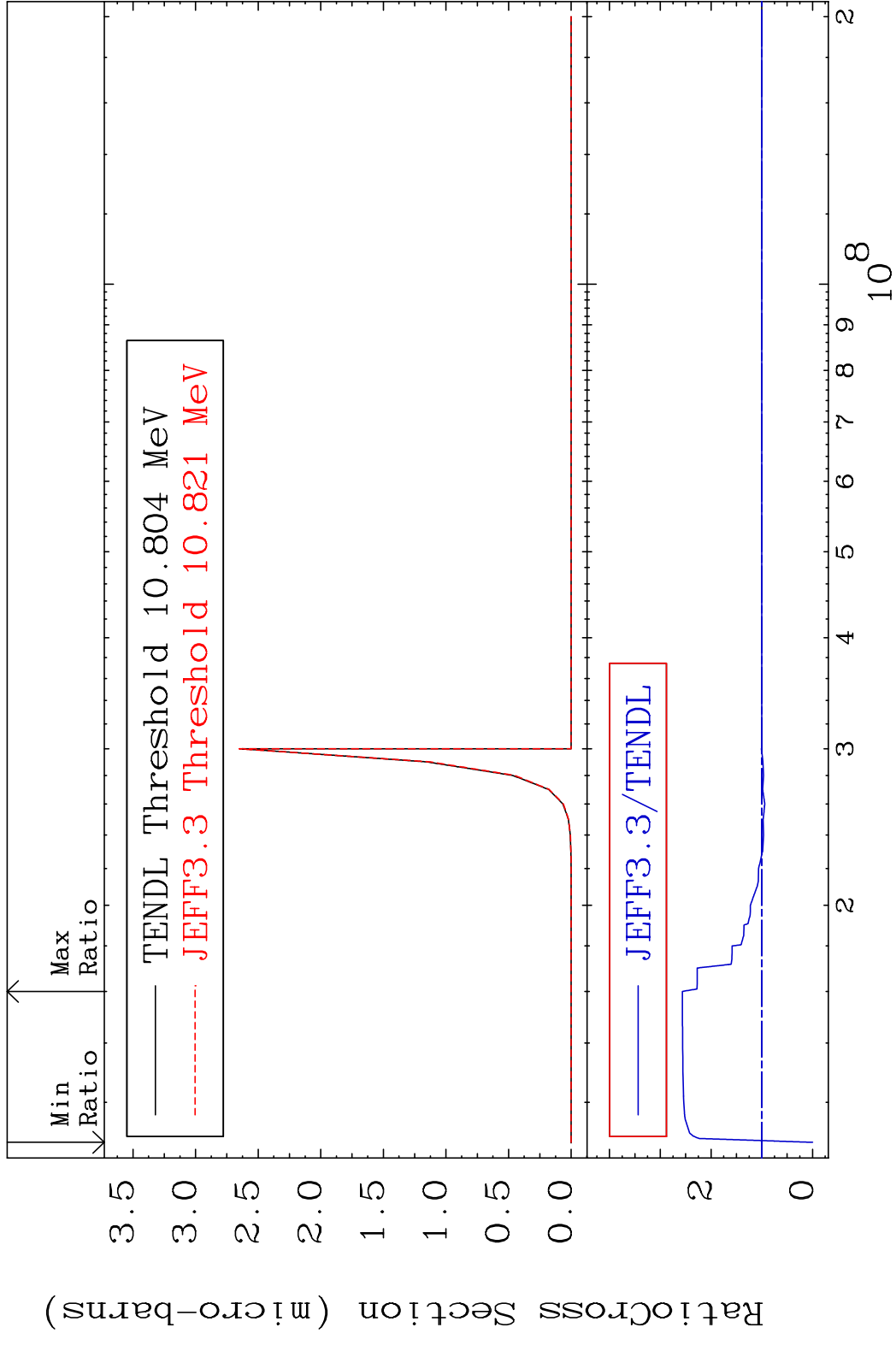
MAT 7825 (n,2n) p 78-Pt-190  
 Cross Section -100.0 To 8746. %



MAT 7825 (n,3n) p 78-Pt-190  
 Cross Section -100.0 To 9999. %



MAT 7825 (n,2n) p 78-Pt-190  
 Cross Section -100.0 To 156.5 %

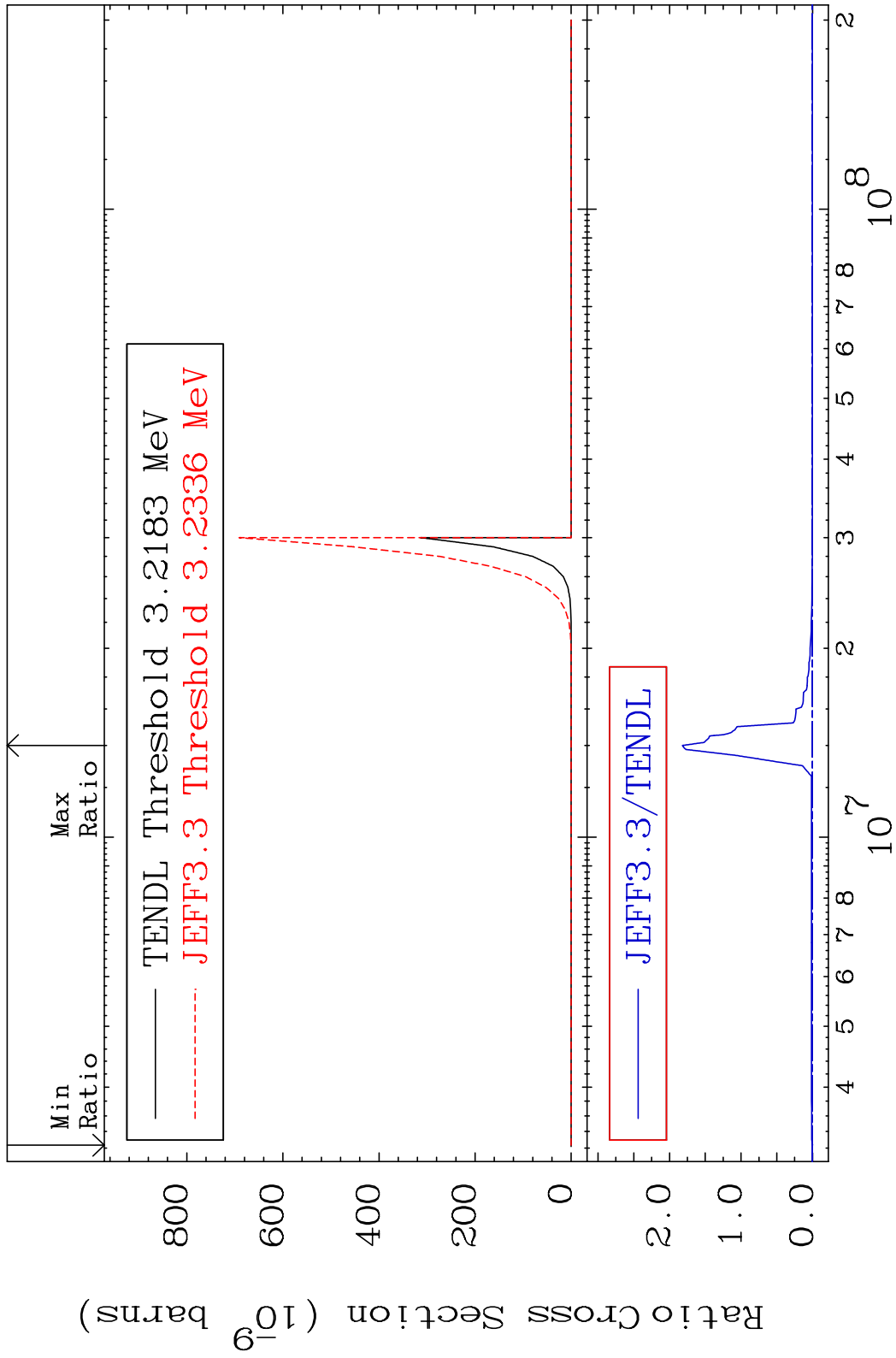


MAT 7825

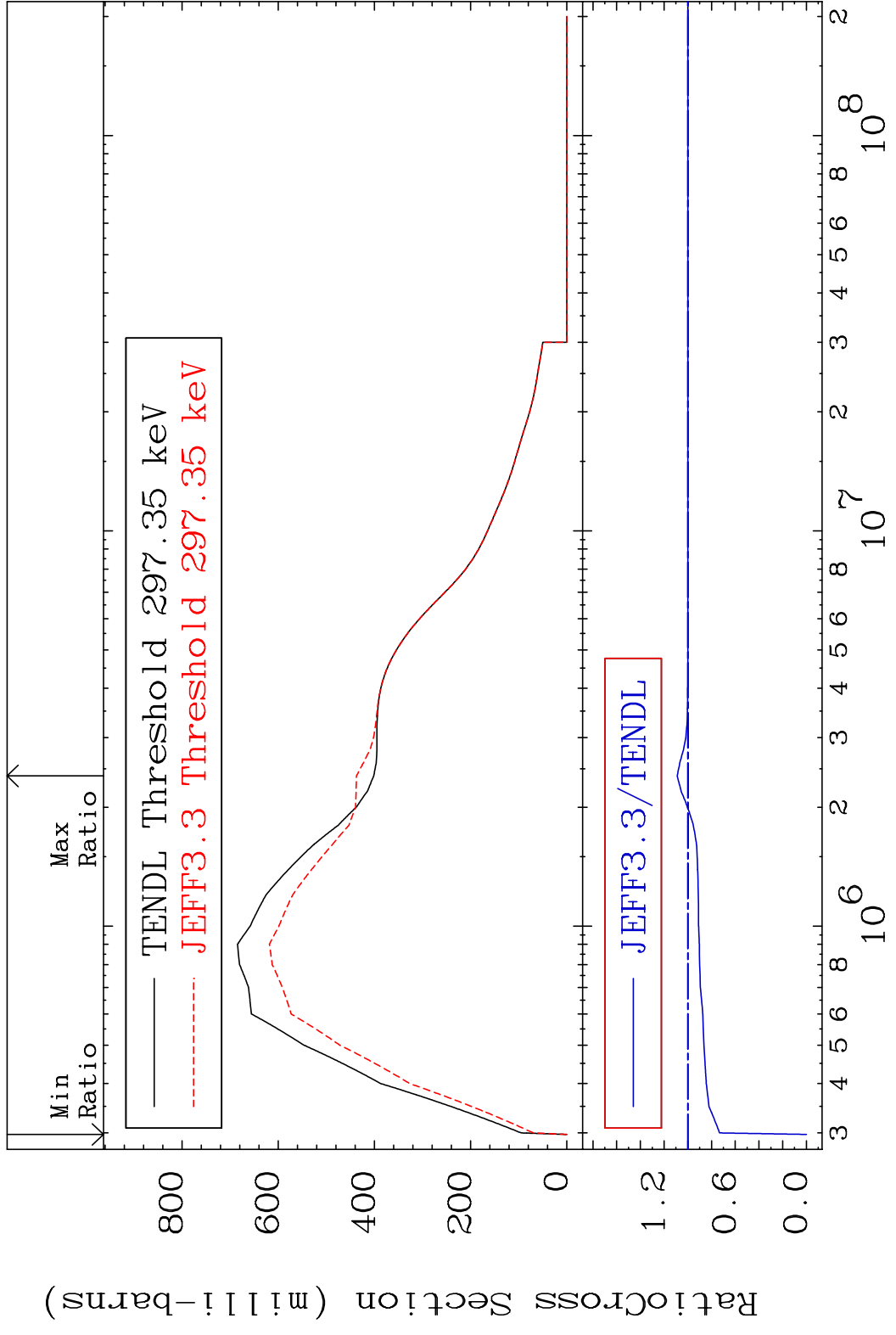
(n, n') p  $\alpha$

78-Pt-190

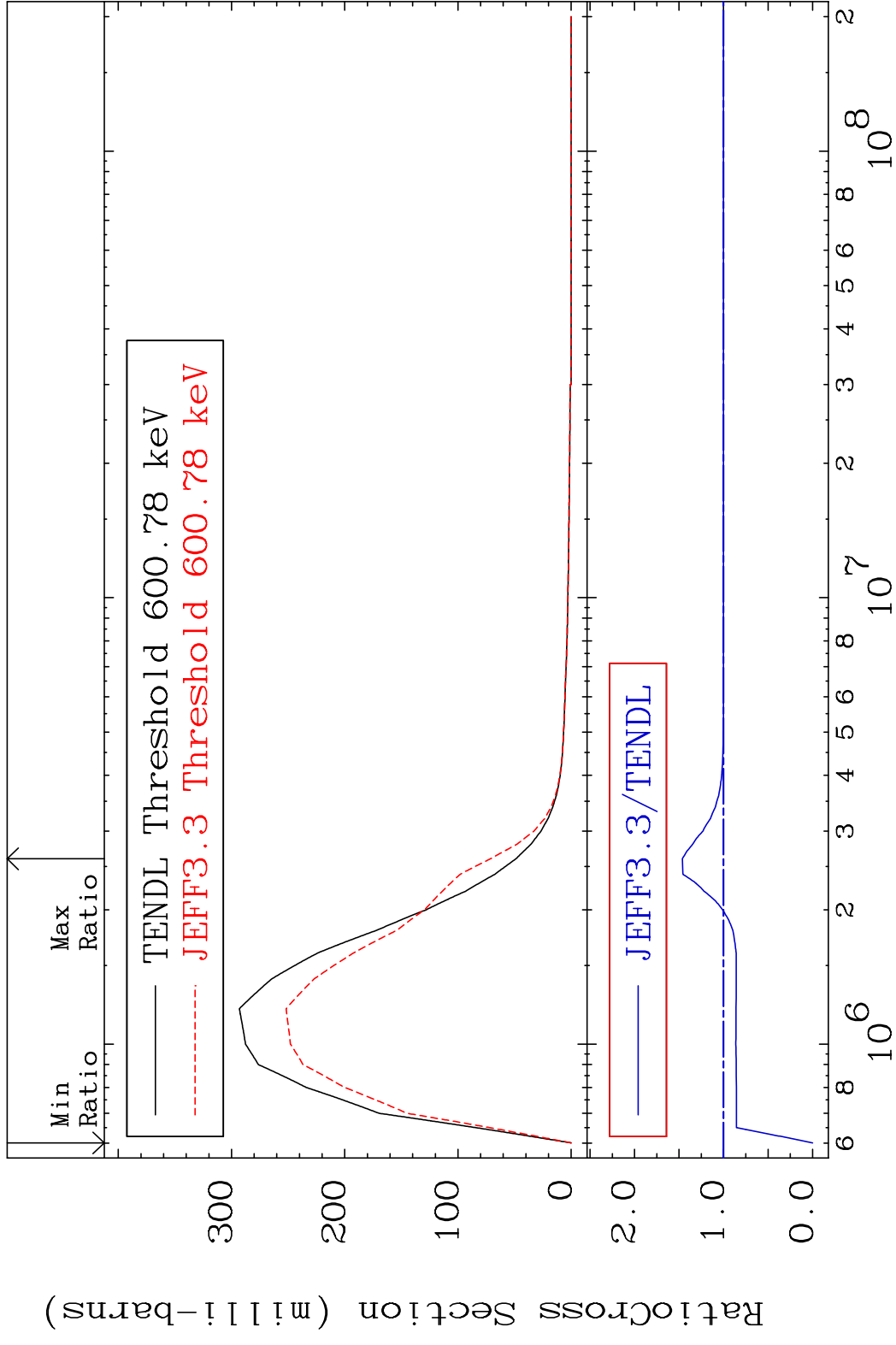
Cross Section -100.0 To 9999. %



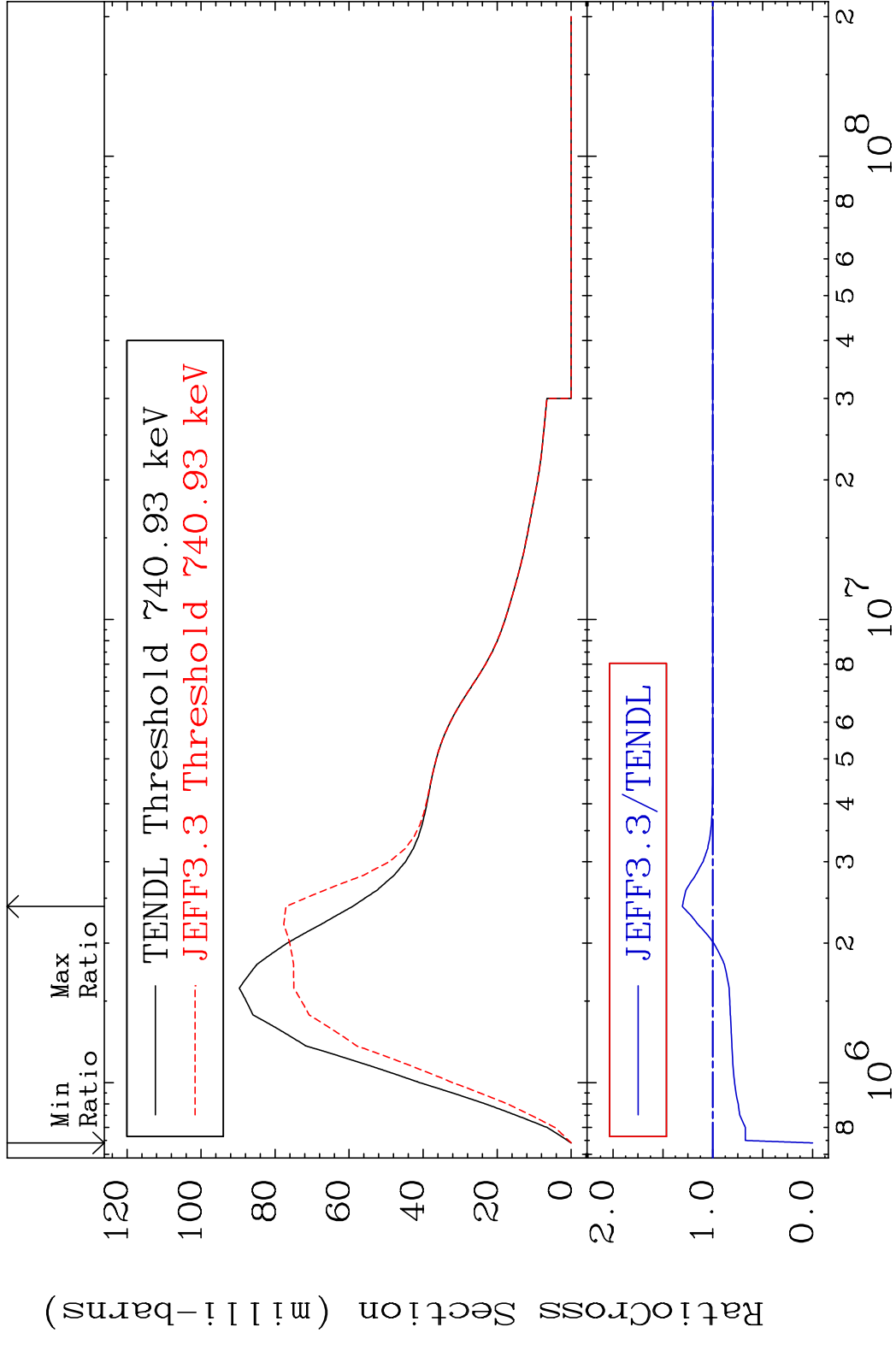
MAT 7825 MT= 51 (n, n') Level 78-Pt-190  
 Cross Section -100.0 To 8.960 %



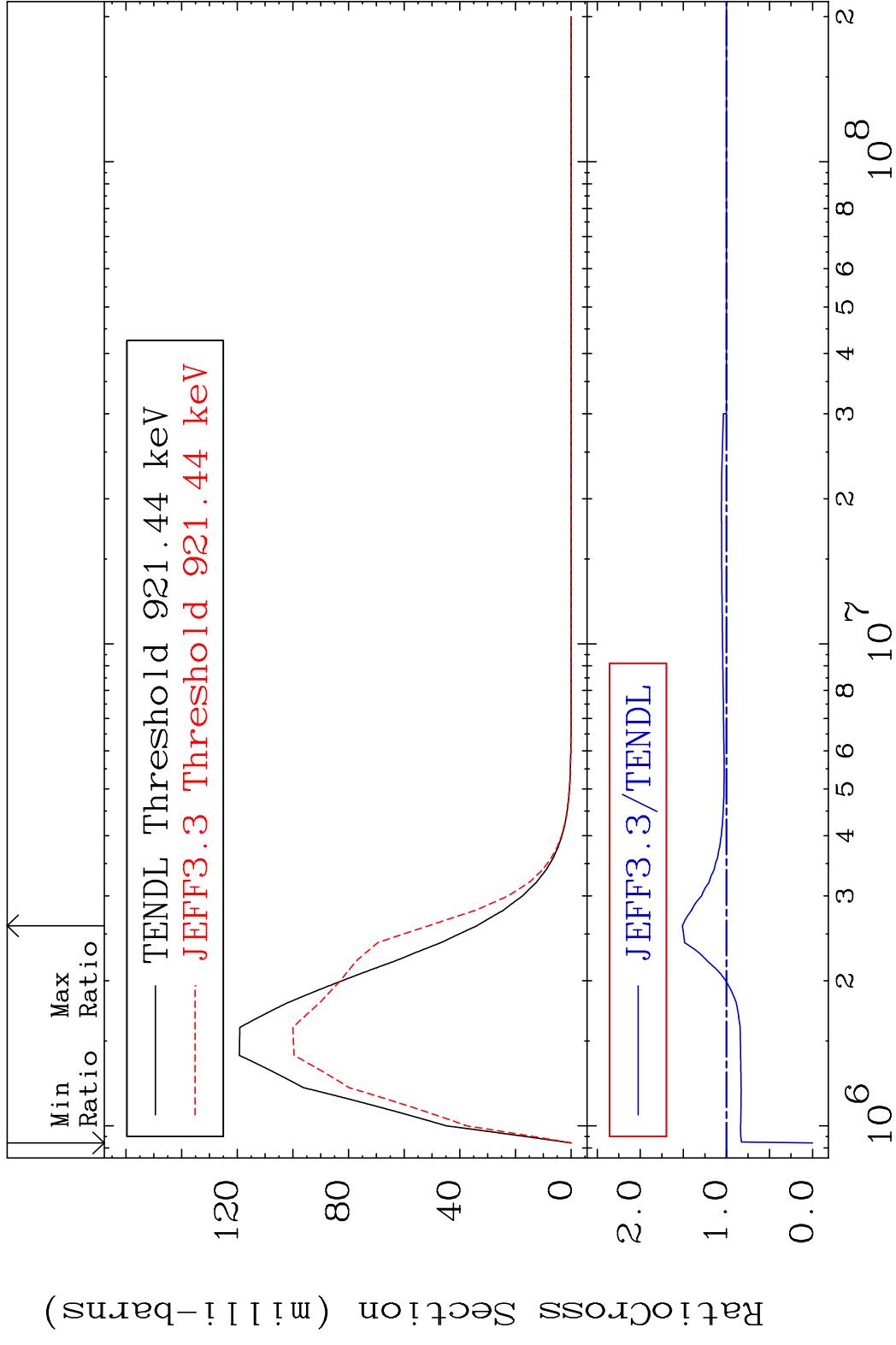
MAT 7825 MT= 52 (n,n') Level 78-Pt-190  
 Cross Section -100.0 To 46.28 %



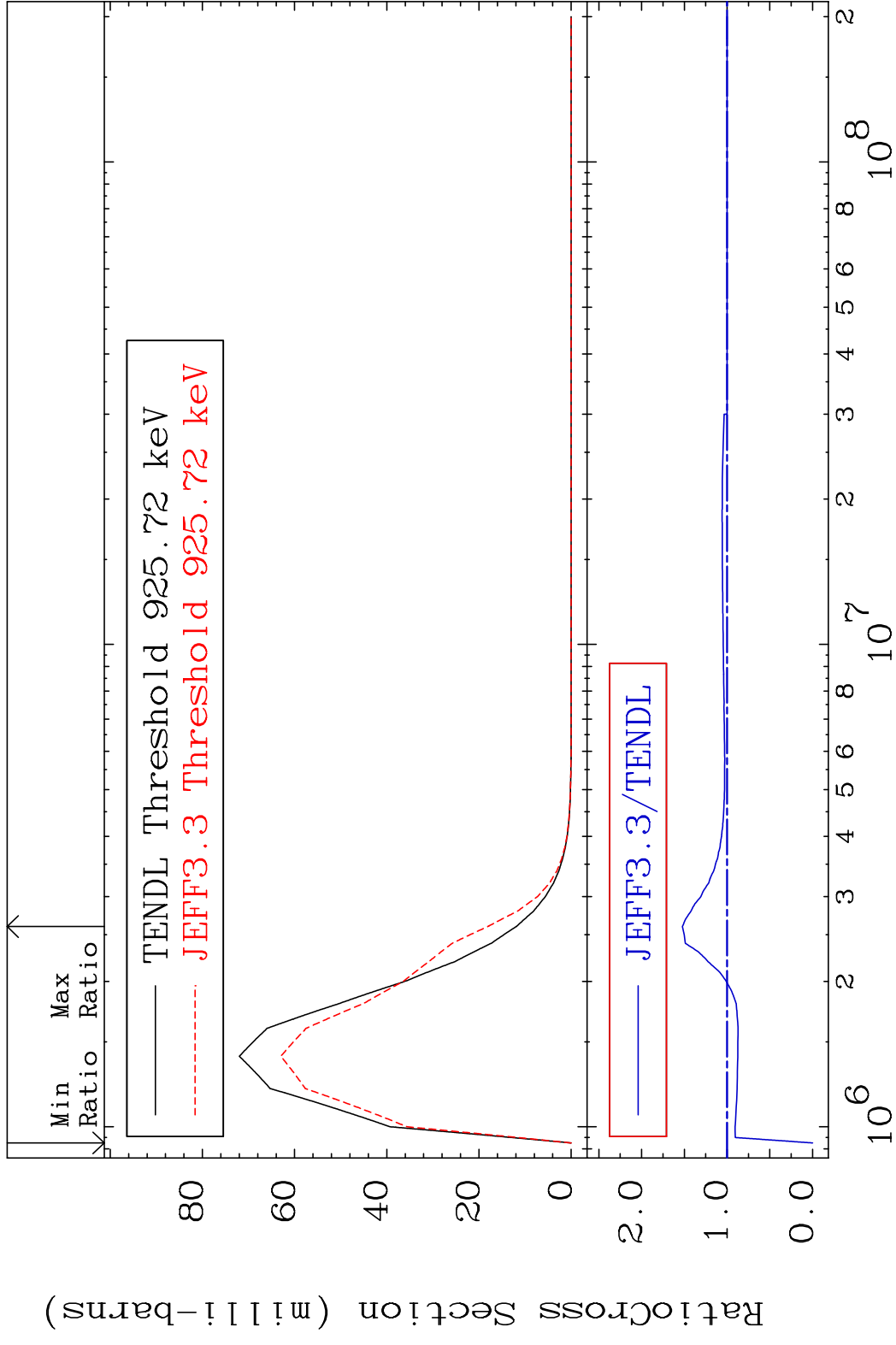
MAT 7825 MT= 53 (n, n') Level 78-Pt-190  
 Cross Section -100.0 To 30.50 %



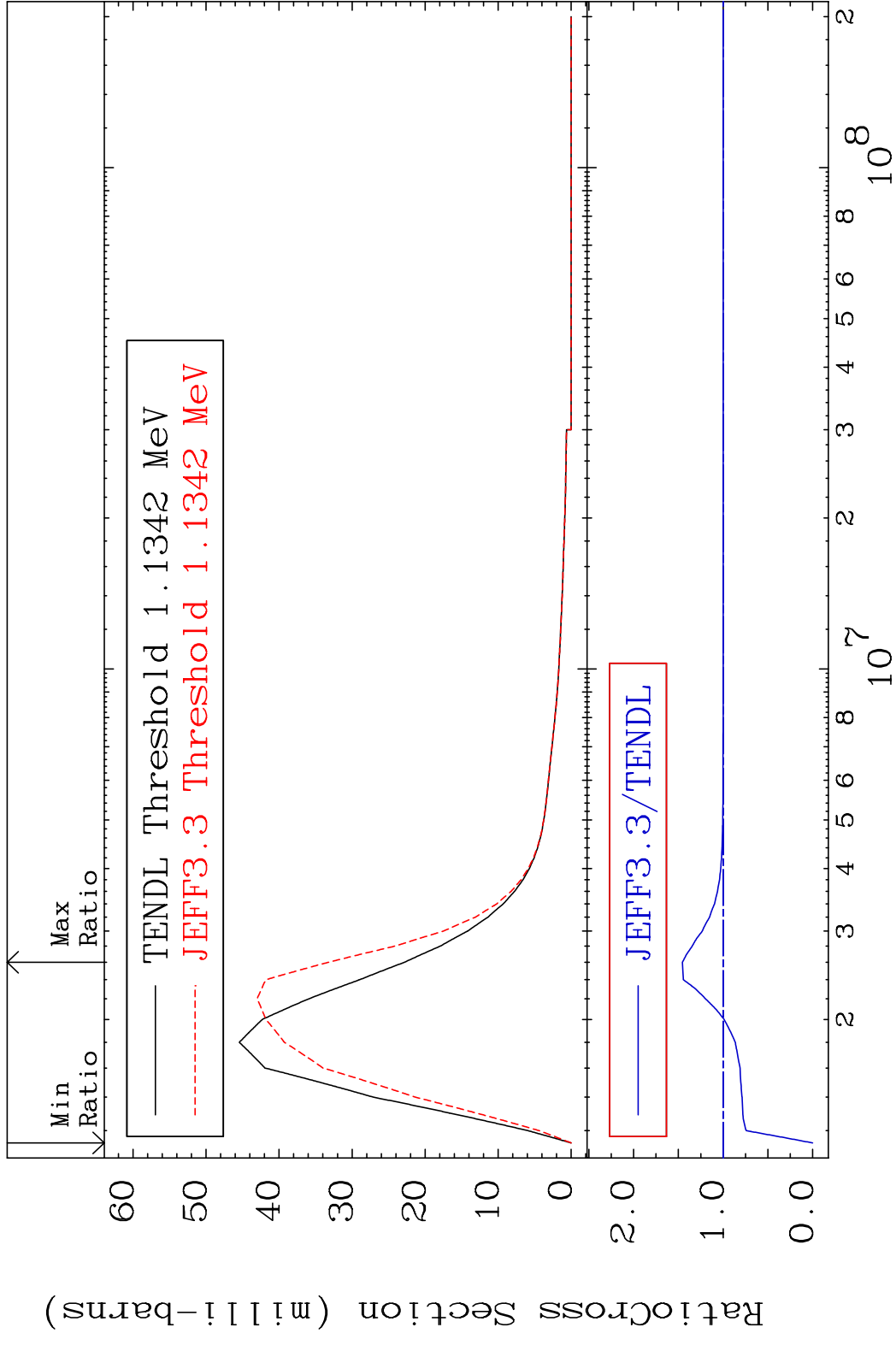
MAT 7825 MT= 54 (n,n') Level 78-Pt-190  
 Cross Section -100.0 To 51.16 %



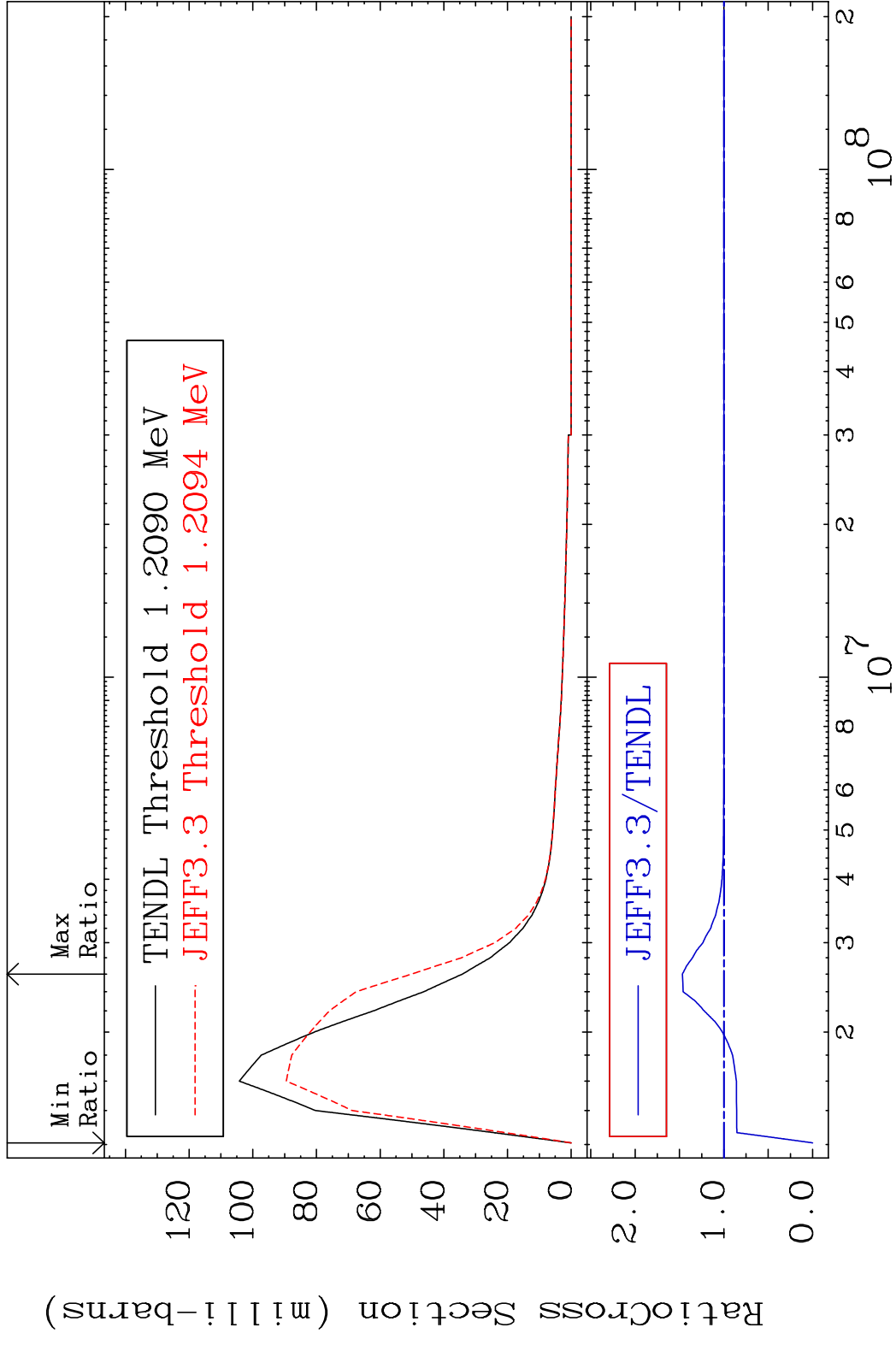
MAT 7825 MT= 55 (n,n') Level 78-Pt-190  
 Cross Section -100.0 To 52.33 %



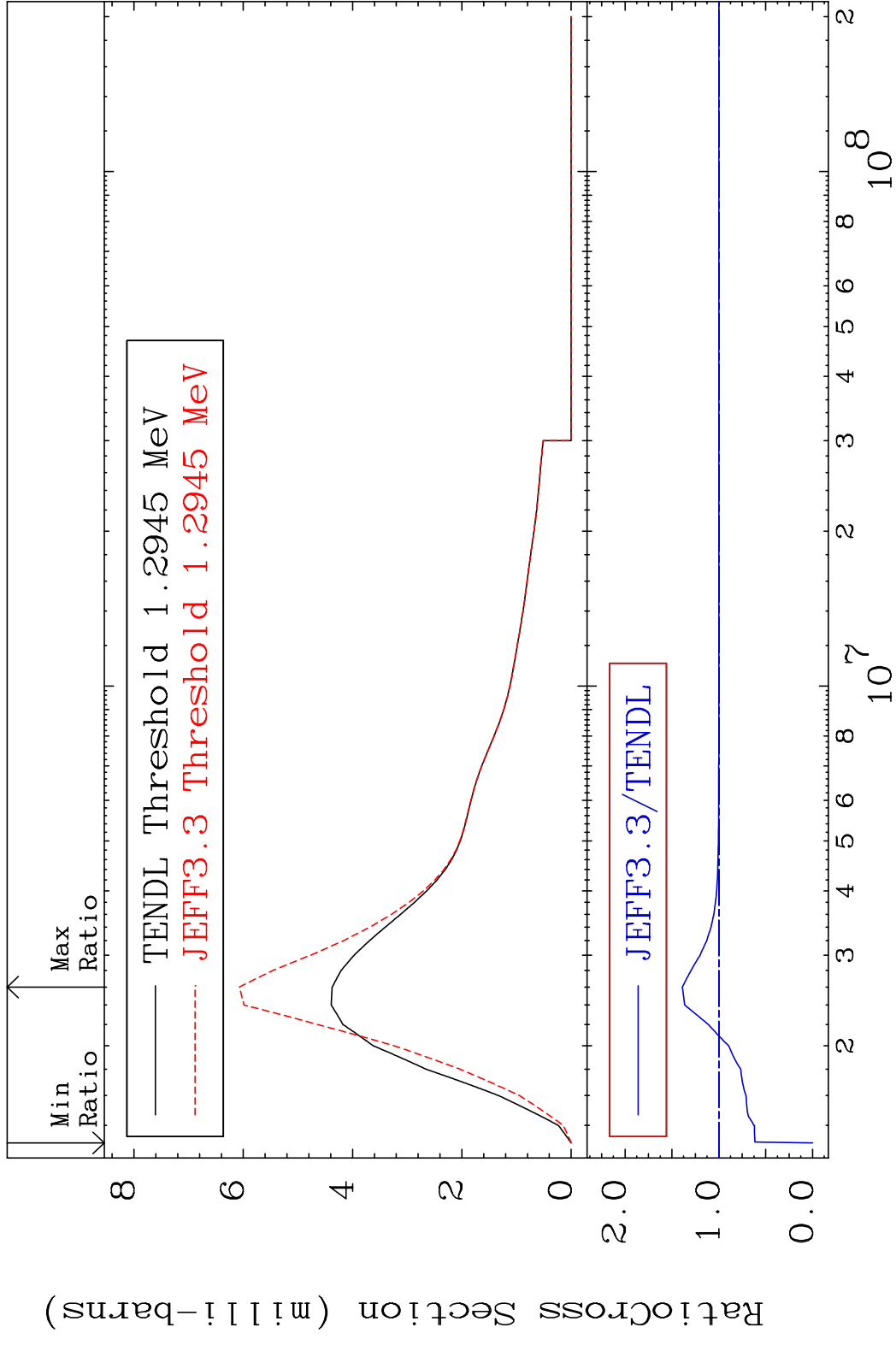
MAT 7825 MT= 56 (n, n') Level 78-Pt-190  
 Cross Section -100.0 To 45.57 %



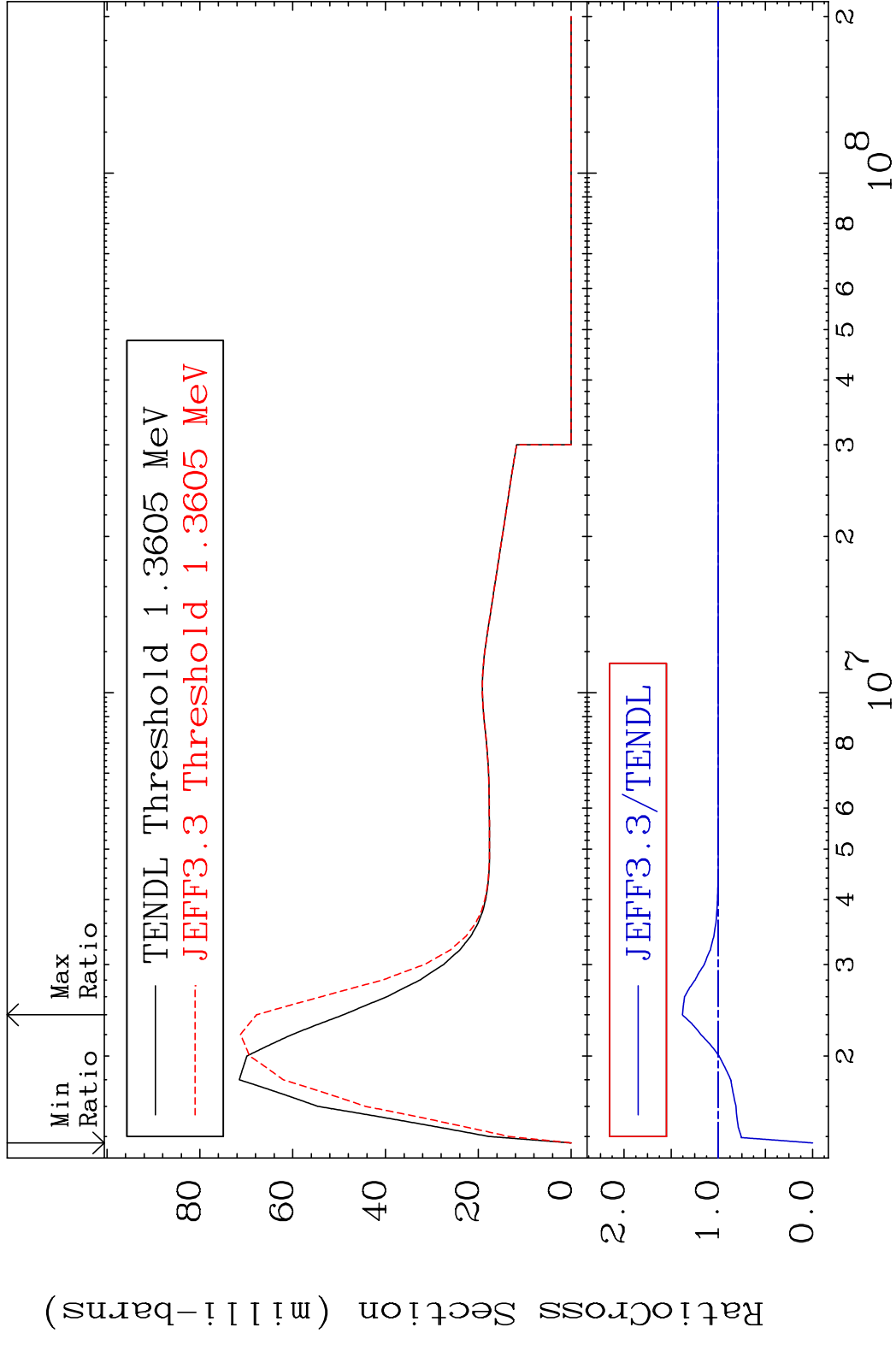
MAT 7825 MT= 57 (n, n') Level 78-Pt-190  
 Cross Section -100.0 To 46.78 %



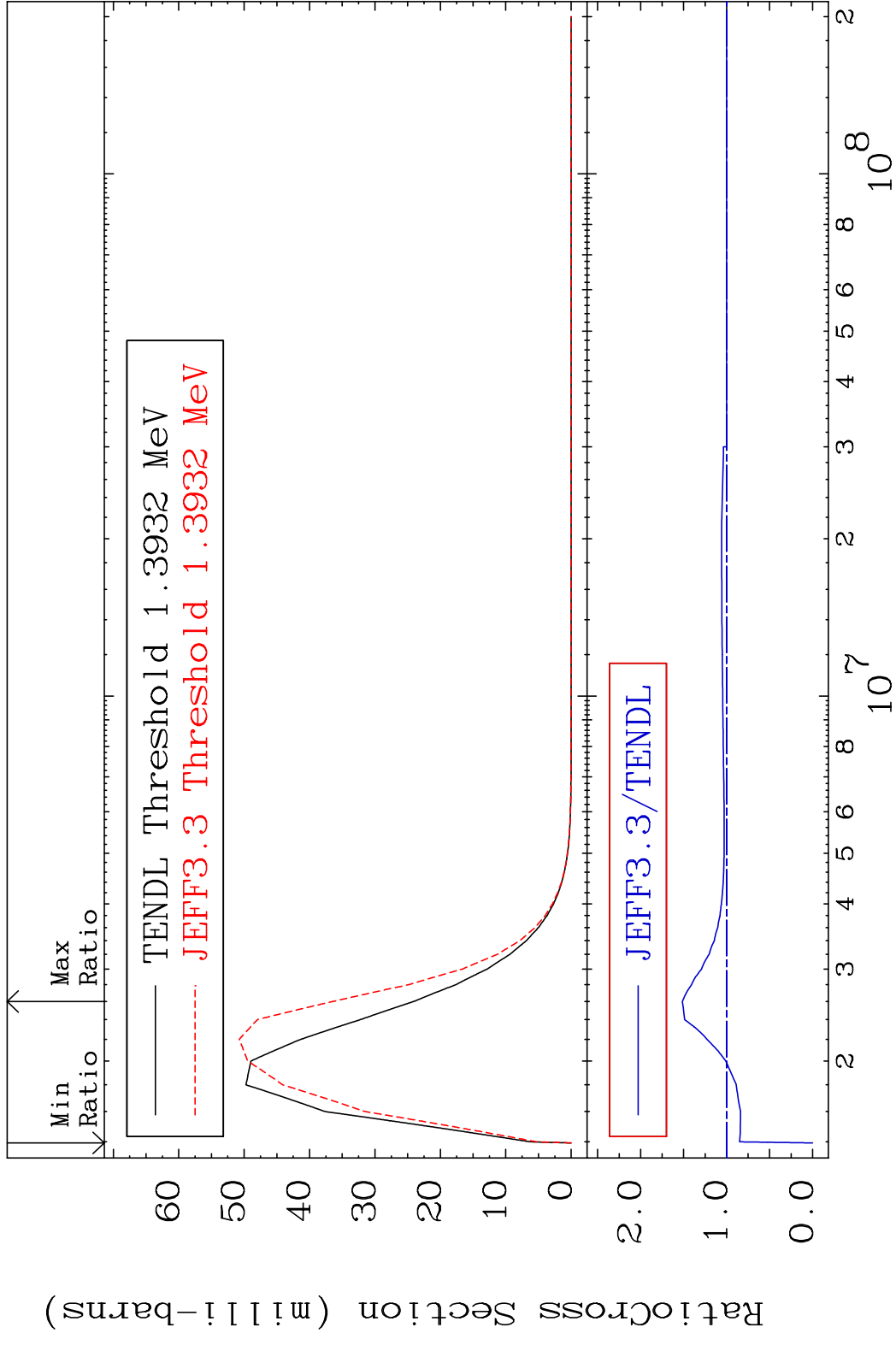
MAT 7825 MT= 58 (n, n') Level 78-Pt-190  
 Cross Section -100.0 To 38.87 %



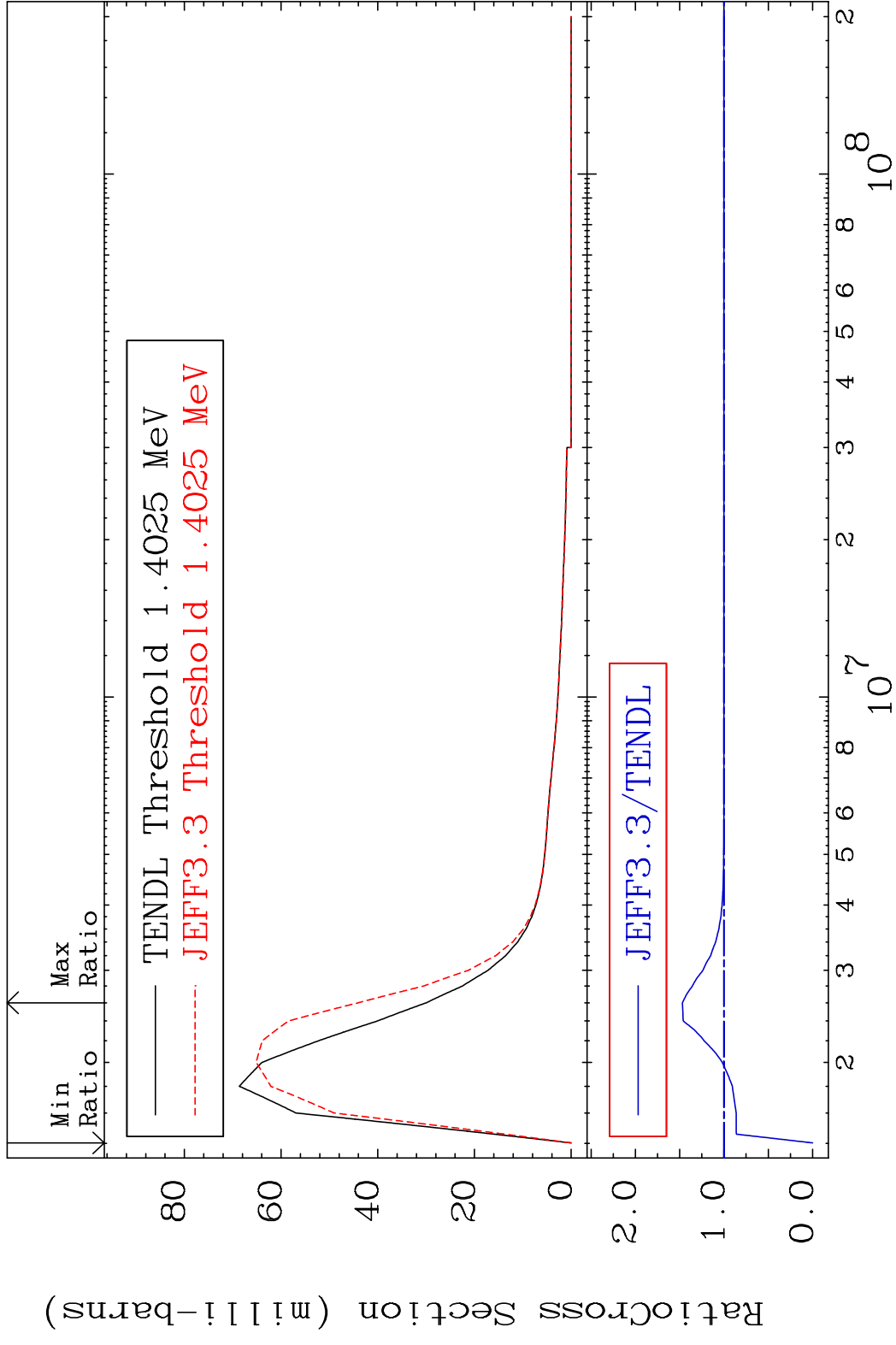
MAT 7825 MT= 59 (n,n') Level 78-Pt-190  
 Cross Section -100.0 To 38.13 %



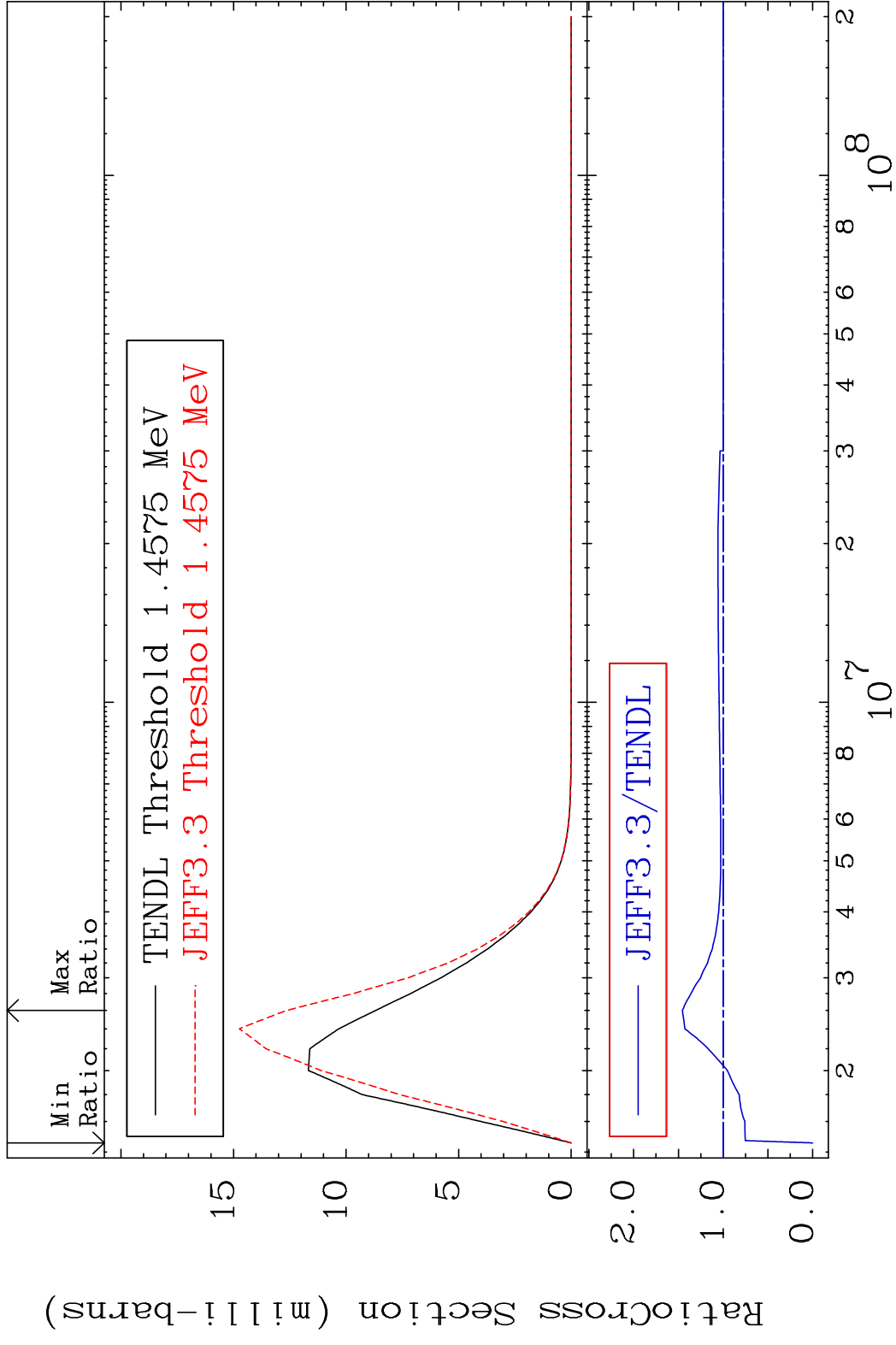
MAT 7825 MT= 60 (n,n') Level 78-Pt-190  
 Cross Section -100.0 To 51.45 %



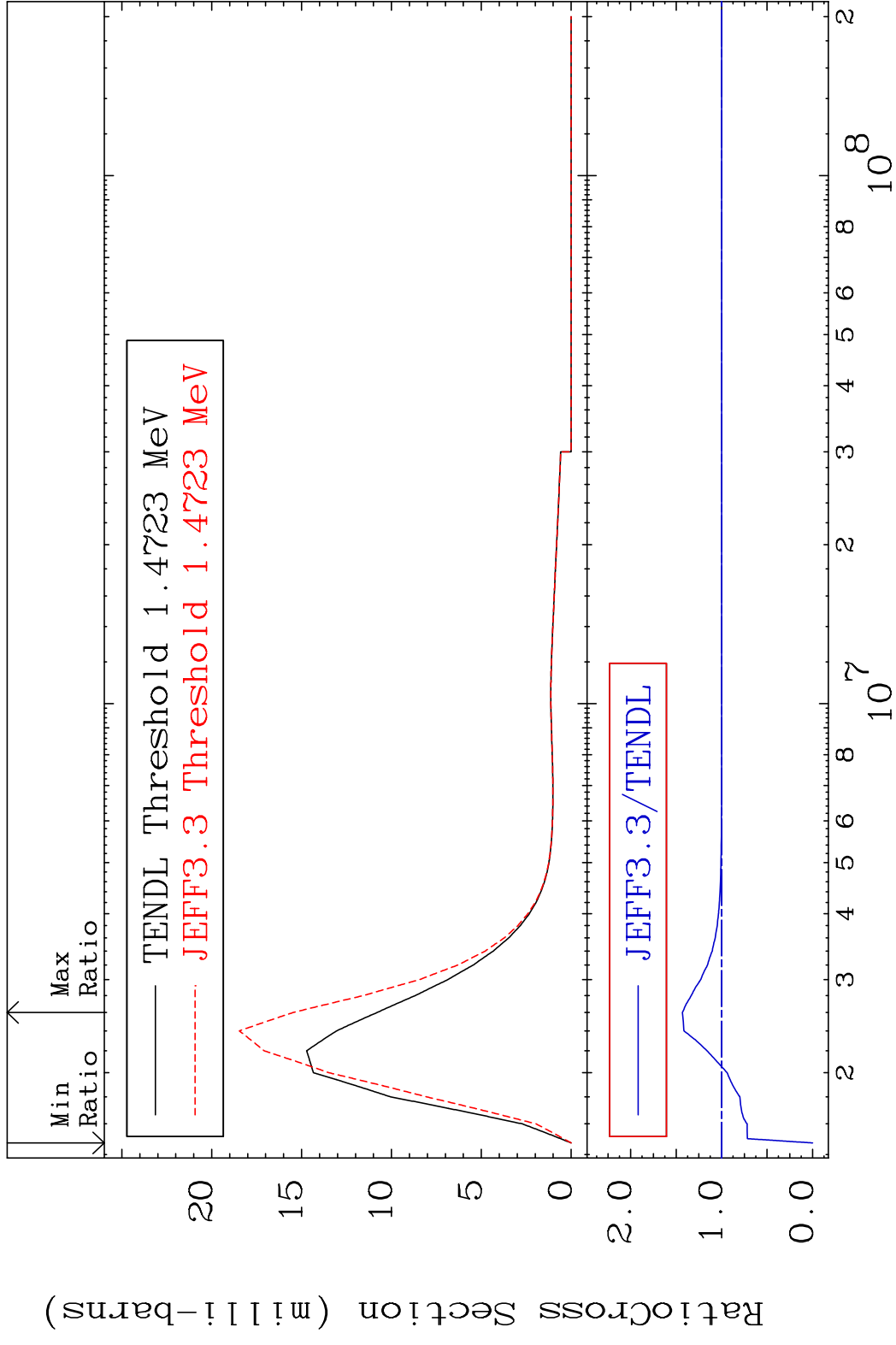
MAT 7825 MT= 61 (n, n') Level 78-Pt-190  
 Cross Section -100.0 To 46.98 %



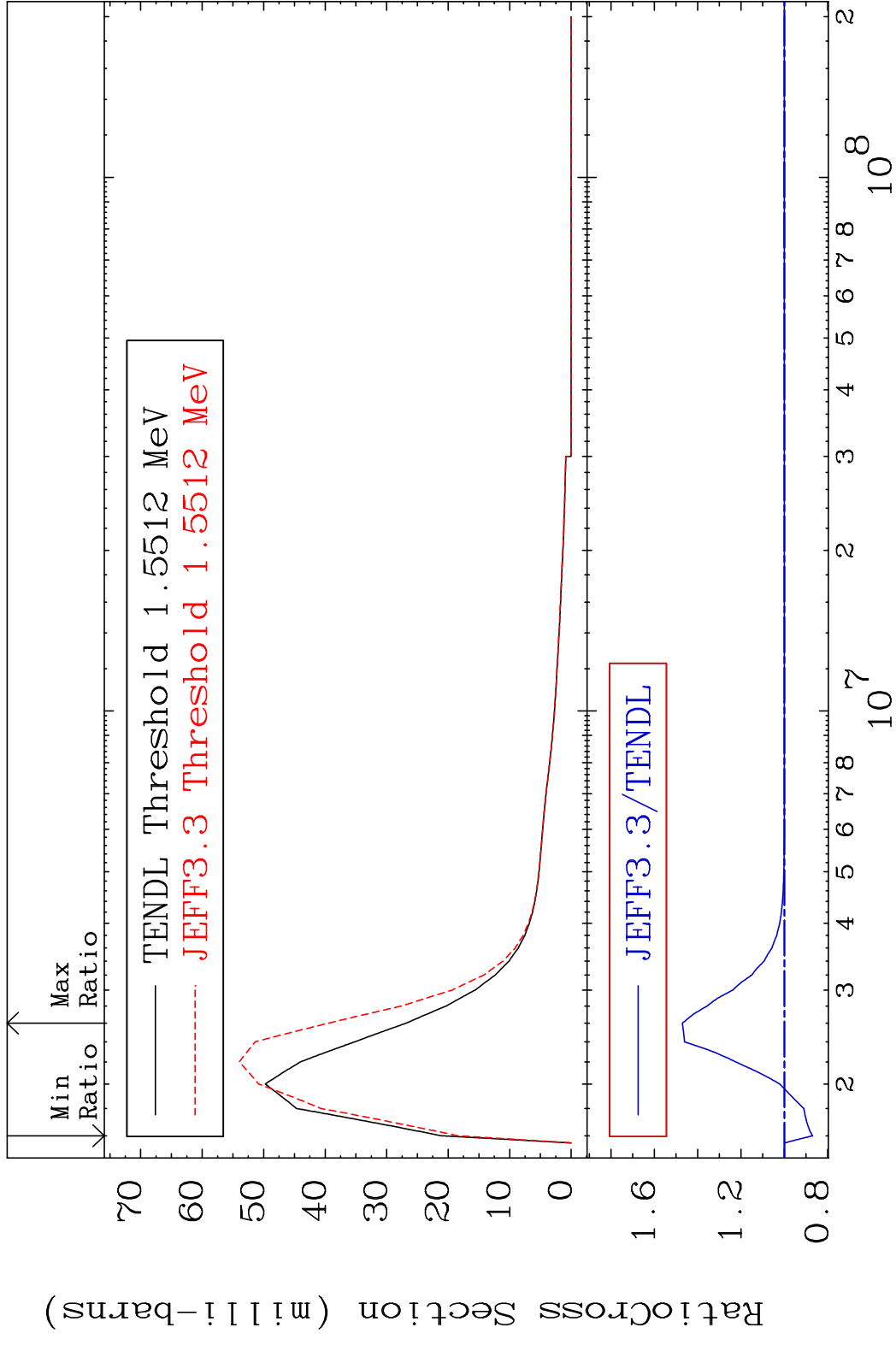
MAT 7825 MT= 62 (n, n') Level 78-Pt-190  
 Cross Section -100.0 To 45.58 %



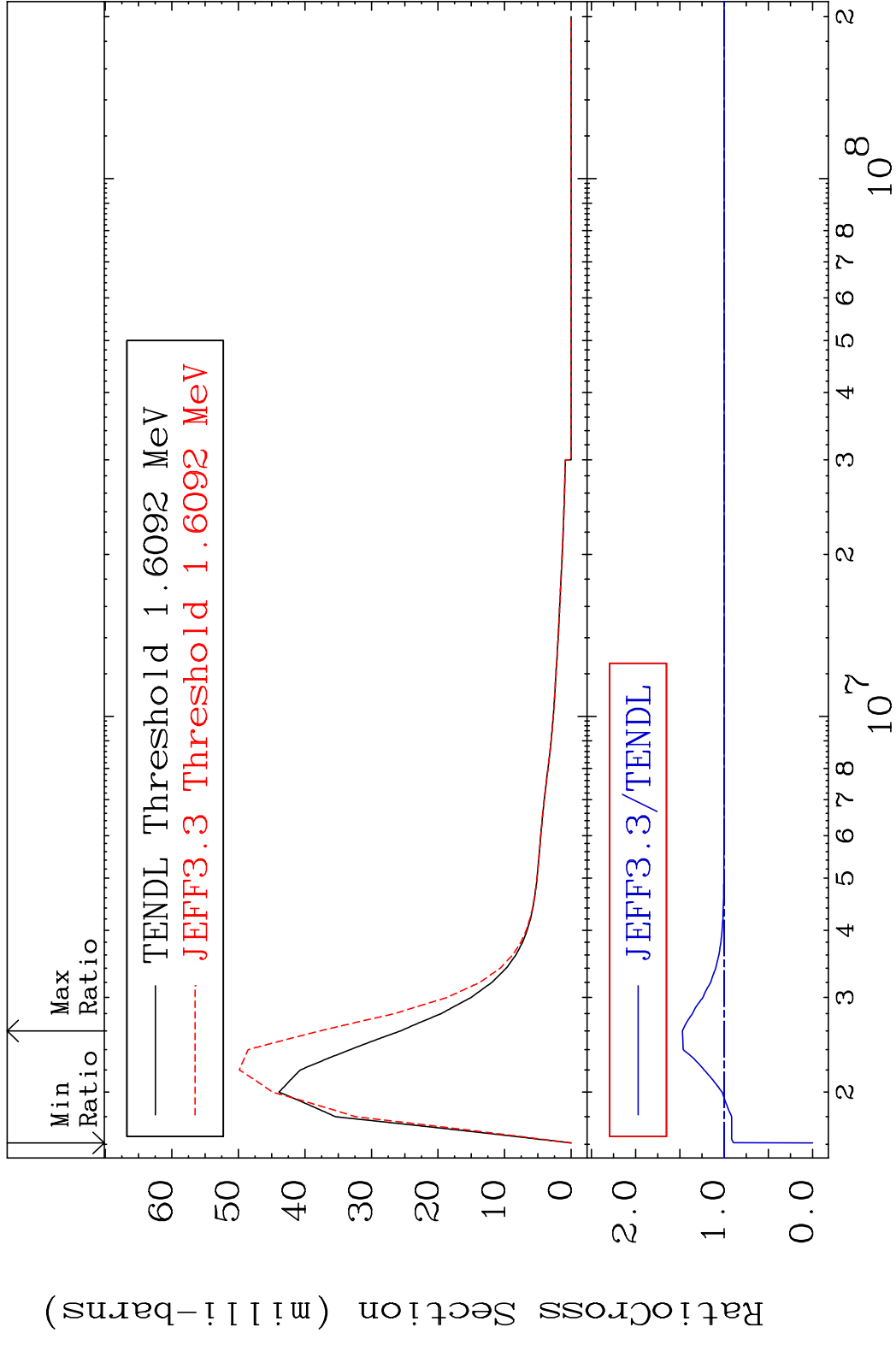
MAT 7825 MT= 63 (n, n') Level 78-Pt-190  
 Cross Section -100.0 To 43.21 %



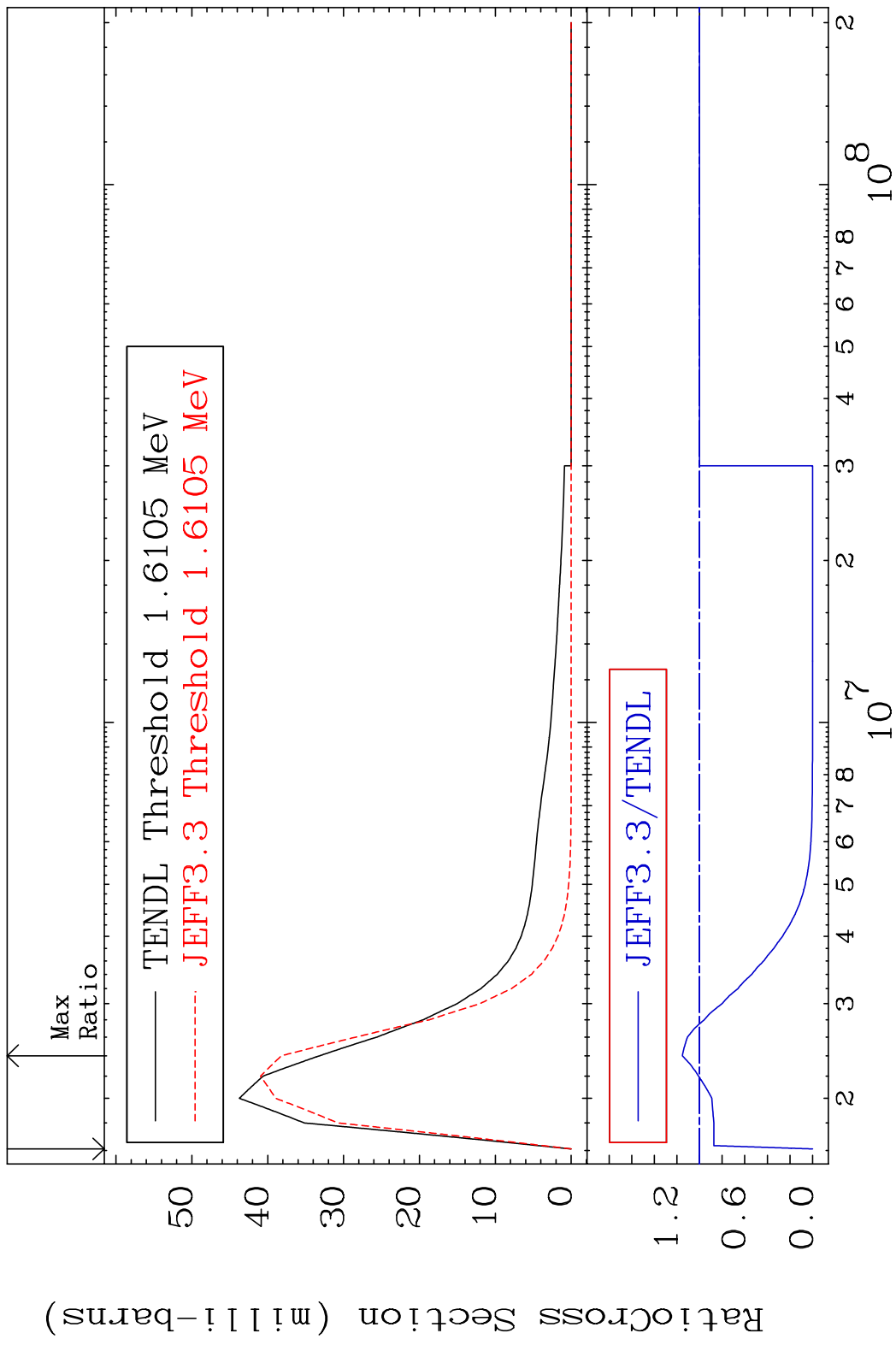
MAT 7825 MT= 64 (n, n') Level 78-Pt-190  
 Cross Section -12.98 To 47.12 %



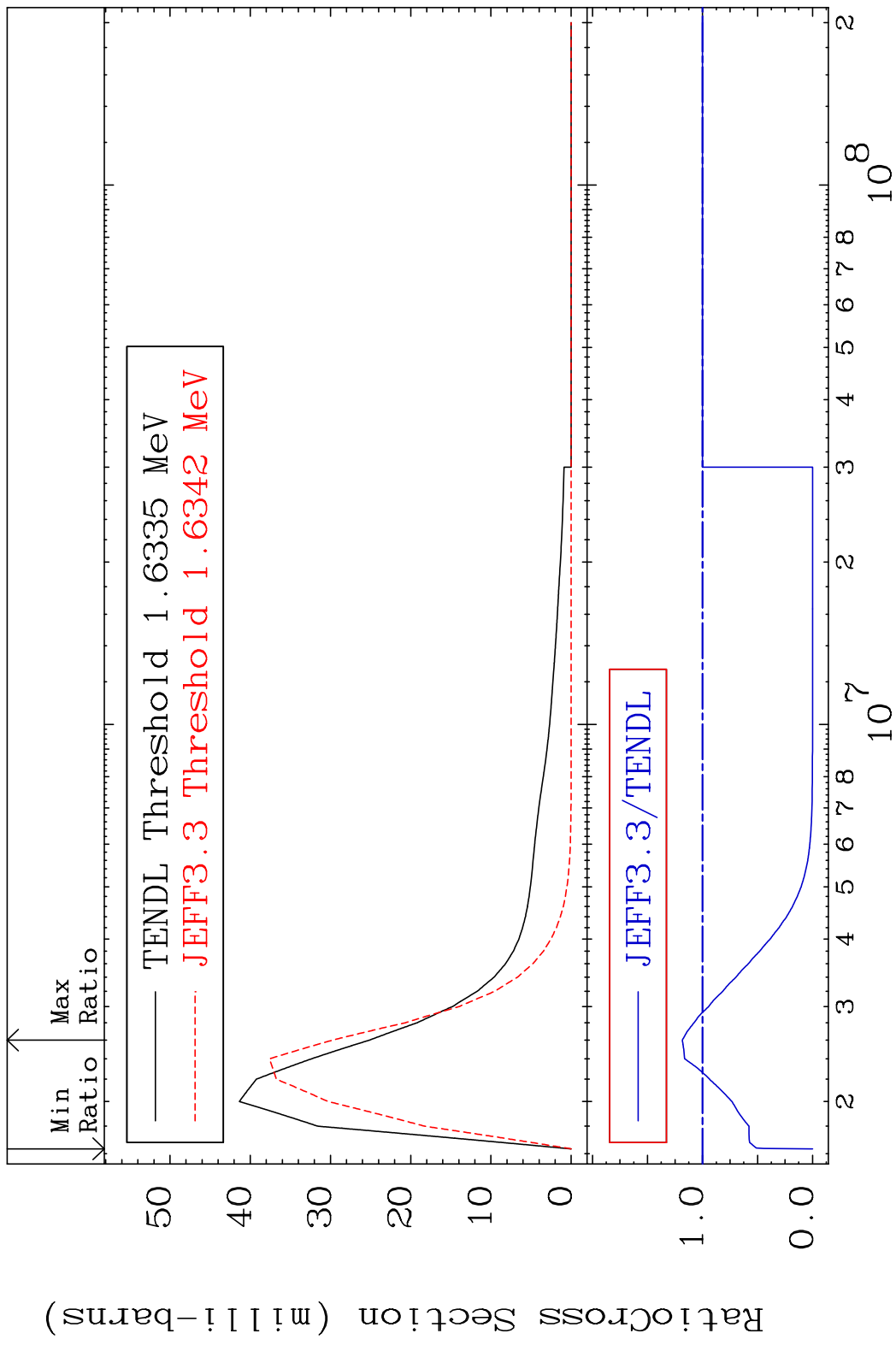
MAT 7825 MT= 65 (n,n') Level 78-Pt-190  
 Cross Section -100.0 To 47.16 %



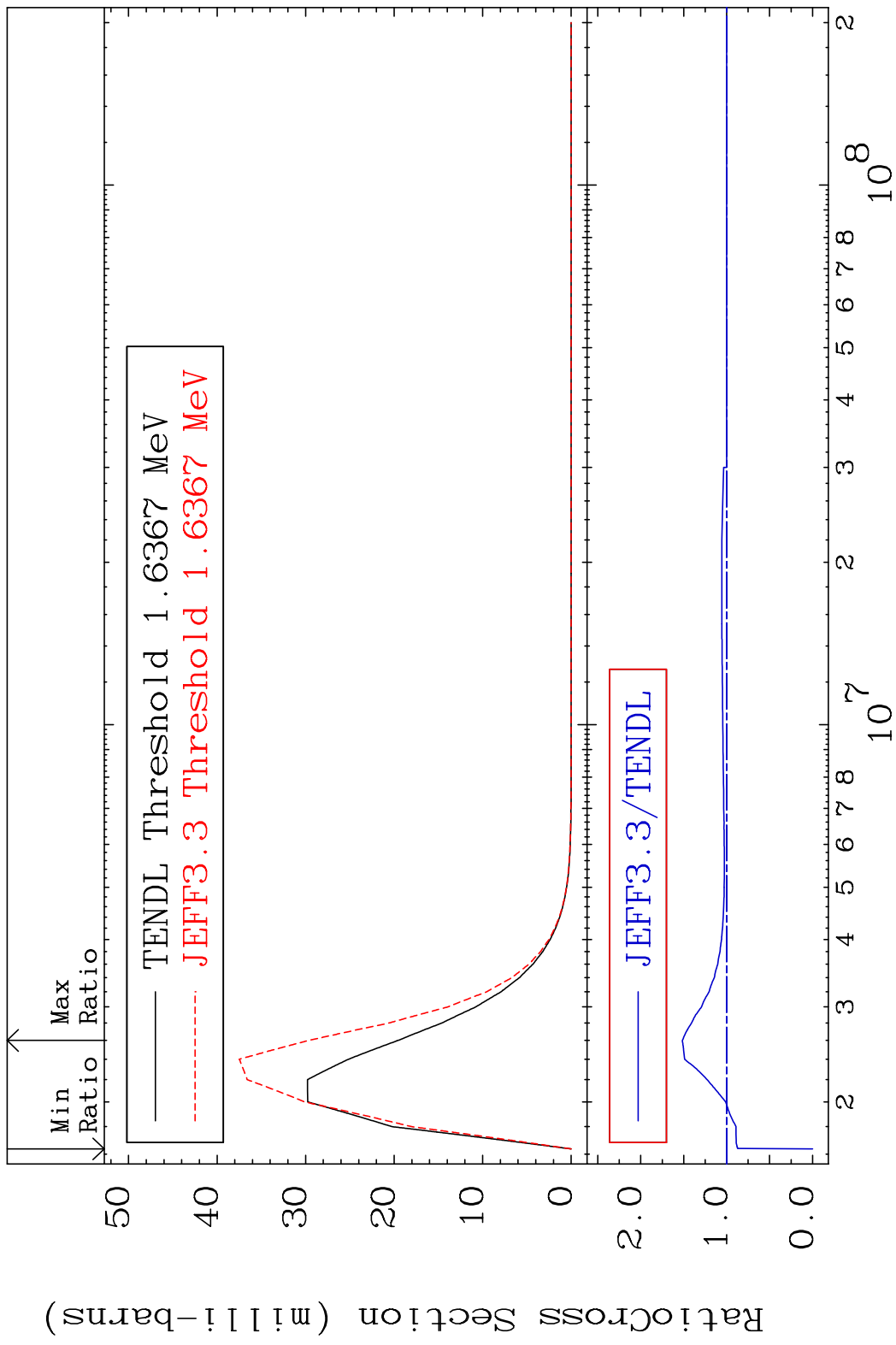
MAT 7825 MT= 66 (n,n') Level 78-Pt-190  
 Cross Section -100.0 To 15.19 %



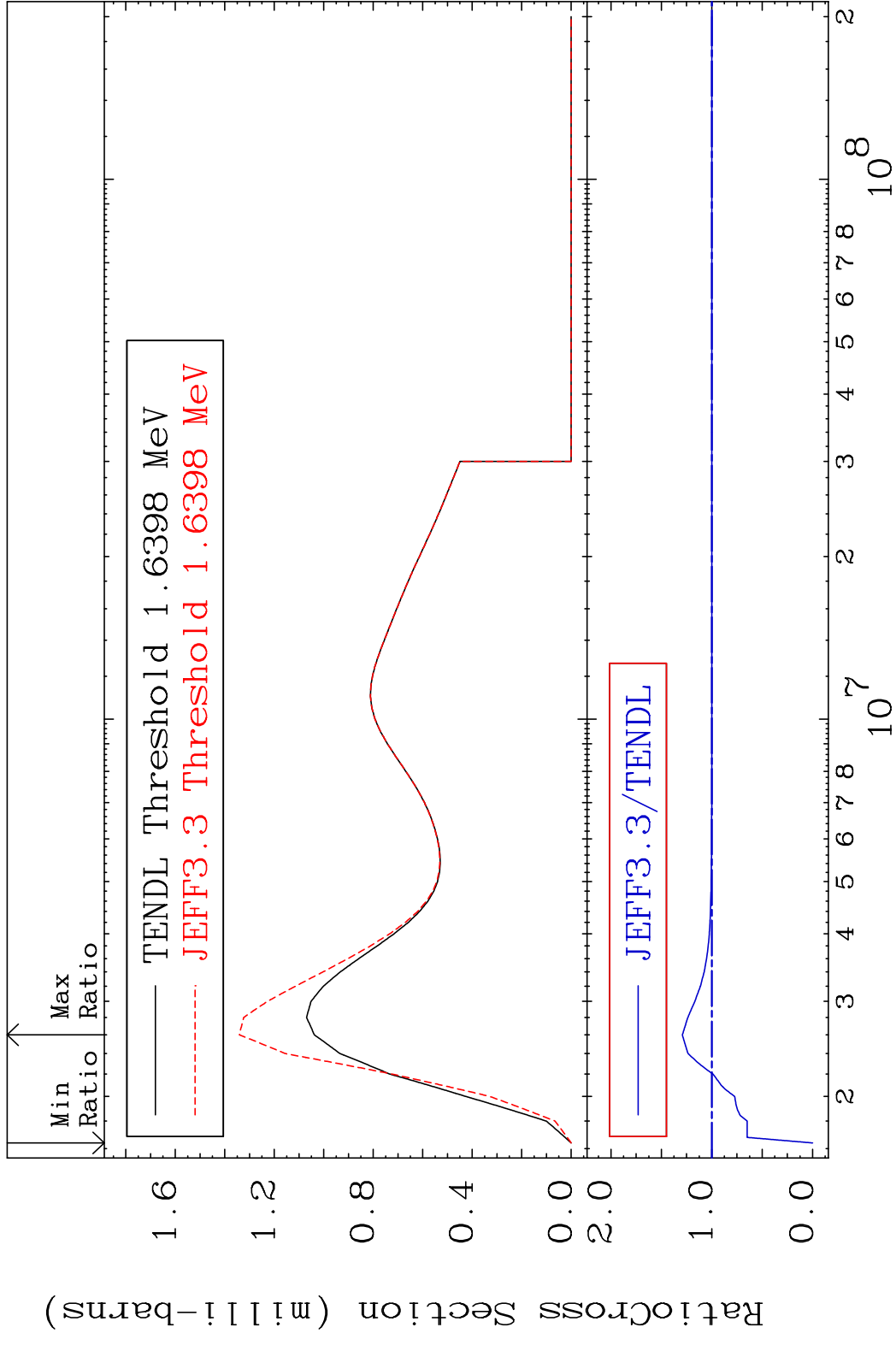
MAT 7825 MT= 67 (n,n') Level 78-Pt-190  
 Cross Section -100.0 To 18.32 %



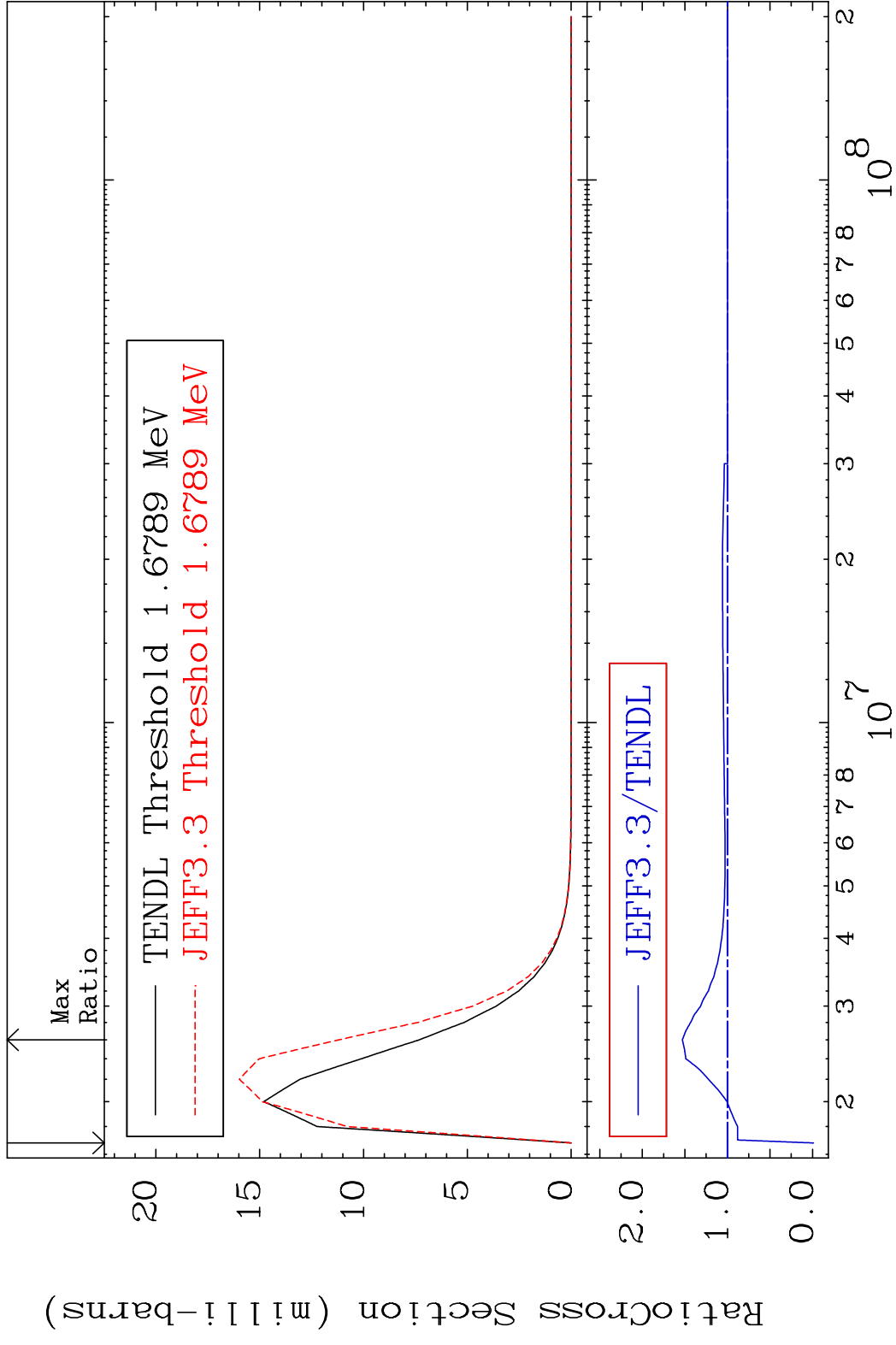
MAT 7825 MT= 68 (n,n') Level 78-Pt-190  
 Cross Section -100.0 To 51.58 %



MAT 7825 MT= 69 (n, n') Level 78-Pt-190  
 Cross Section -100.0 To 29.20 %



MAT 7825 MT= 70 (n, n') Level 78-Pt-190  
 Cross Section -100.0 To 52.96 %

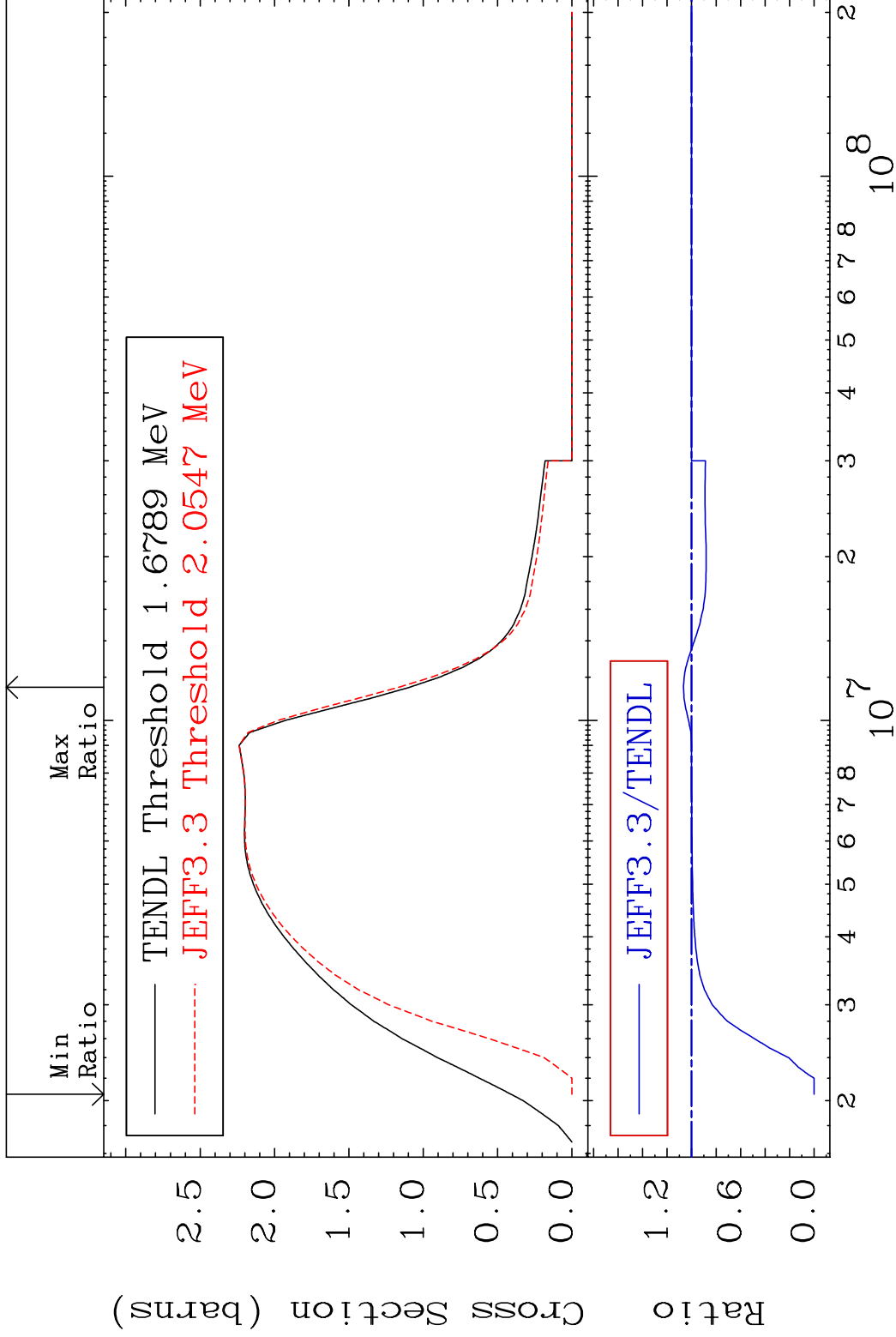


MAT 7825

(n, n') Continuum

78-Pt-190

Cross Section -100.0 To 6.648 %



40

Incident Energy (eV)

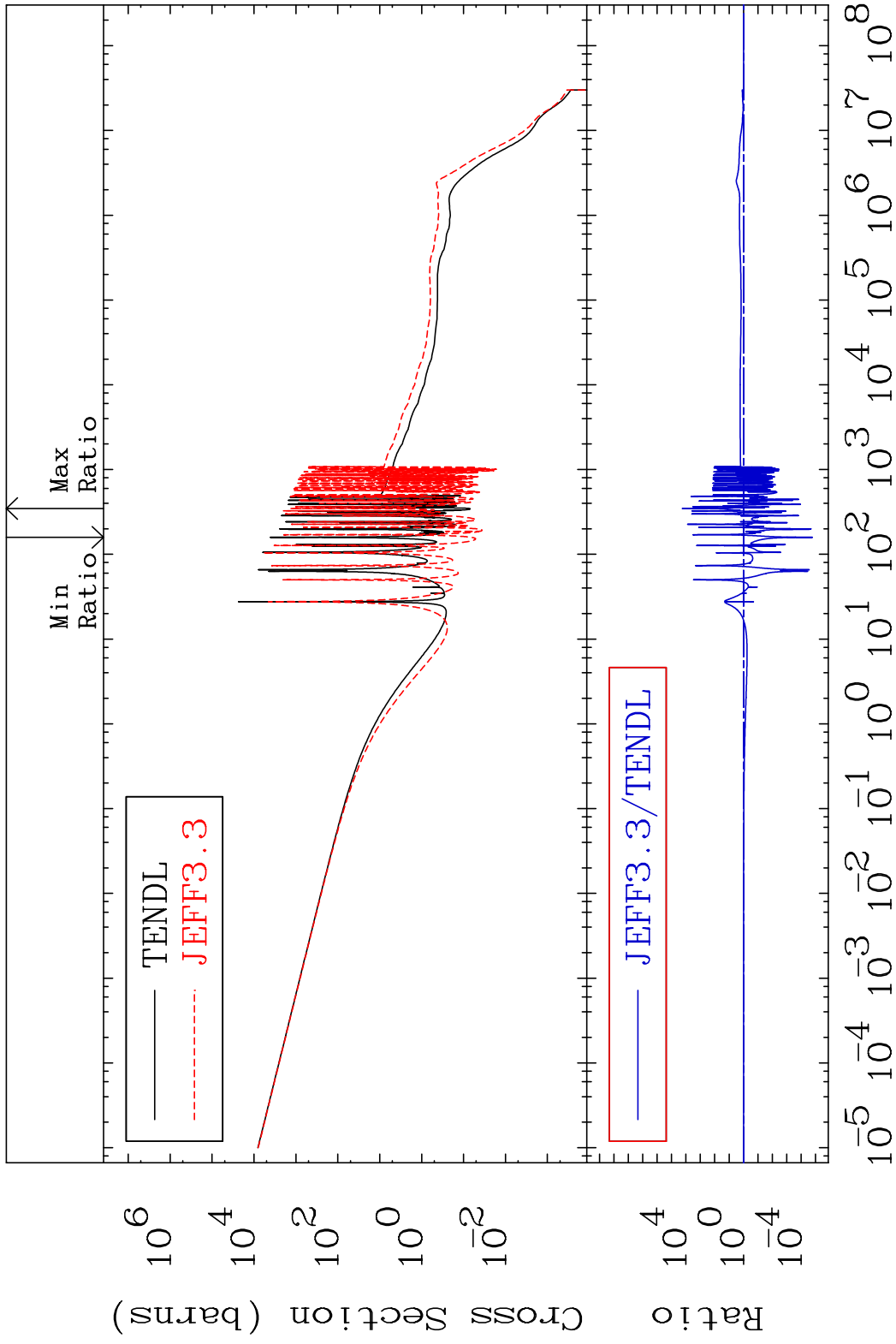
78-Pt-190

MAT 7825

(n,  $\gamma$ )

78-Pt-190

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

78-Pt-190

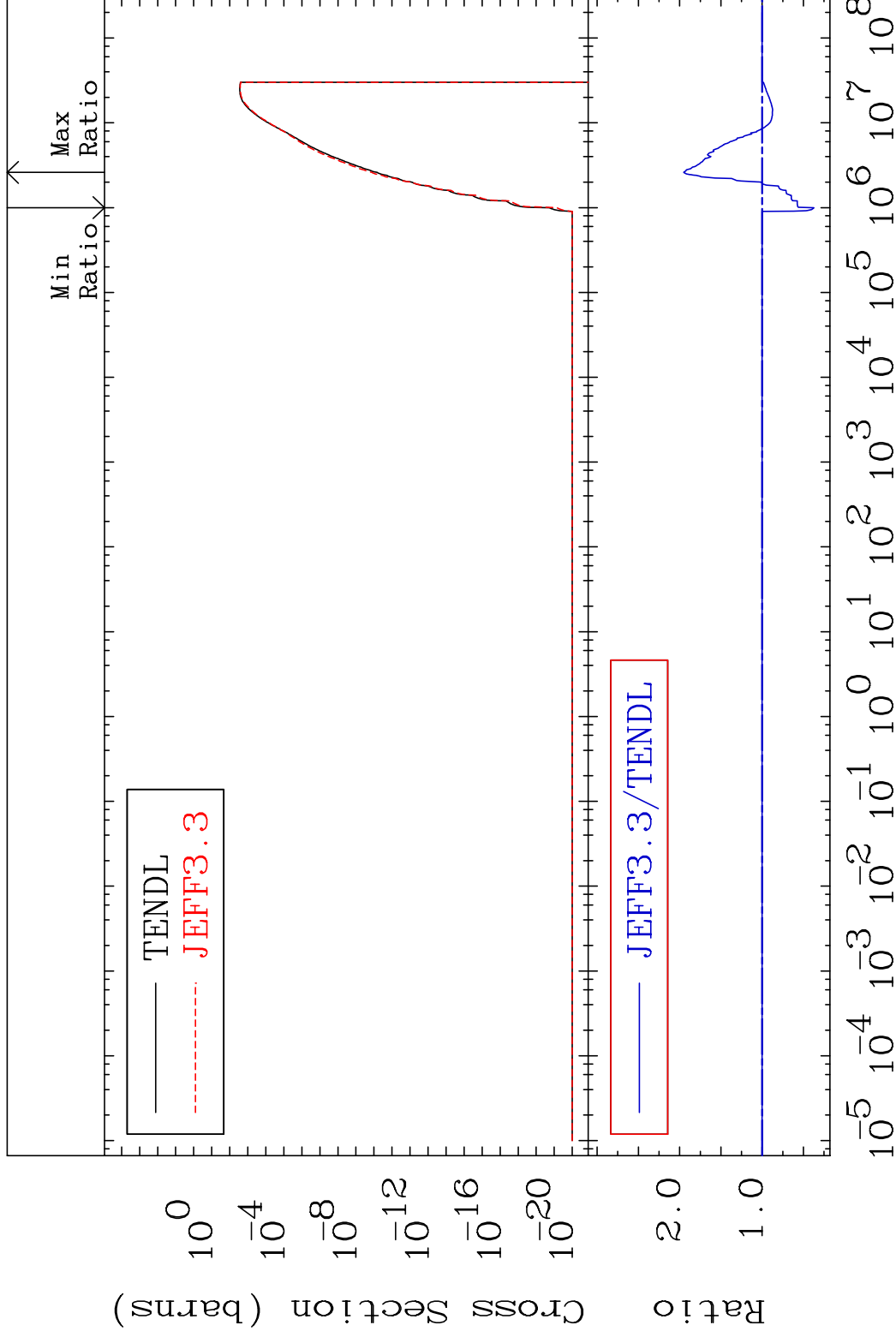
MAT 7825

(n, p)

78-Pt-190

Cross Section

-63.00 To 95.13 %

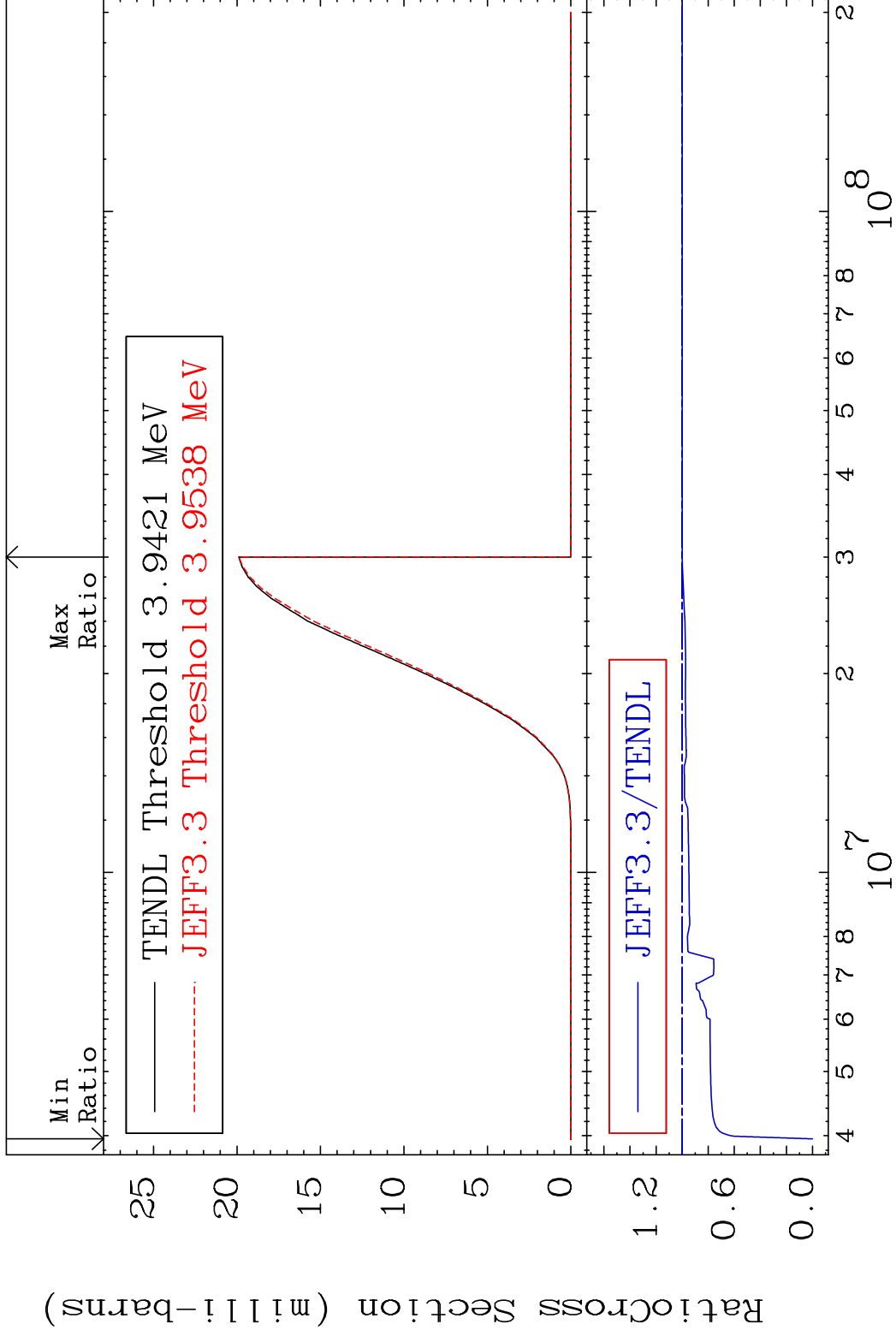


MAT 7825

(n, d)

78-Pt-190

Cross Section -100.0 To 0.000 %

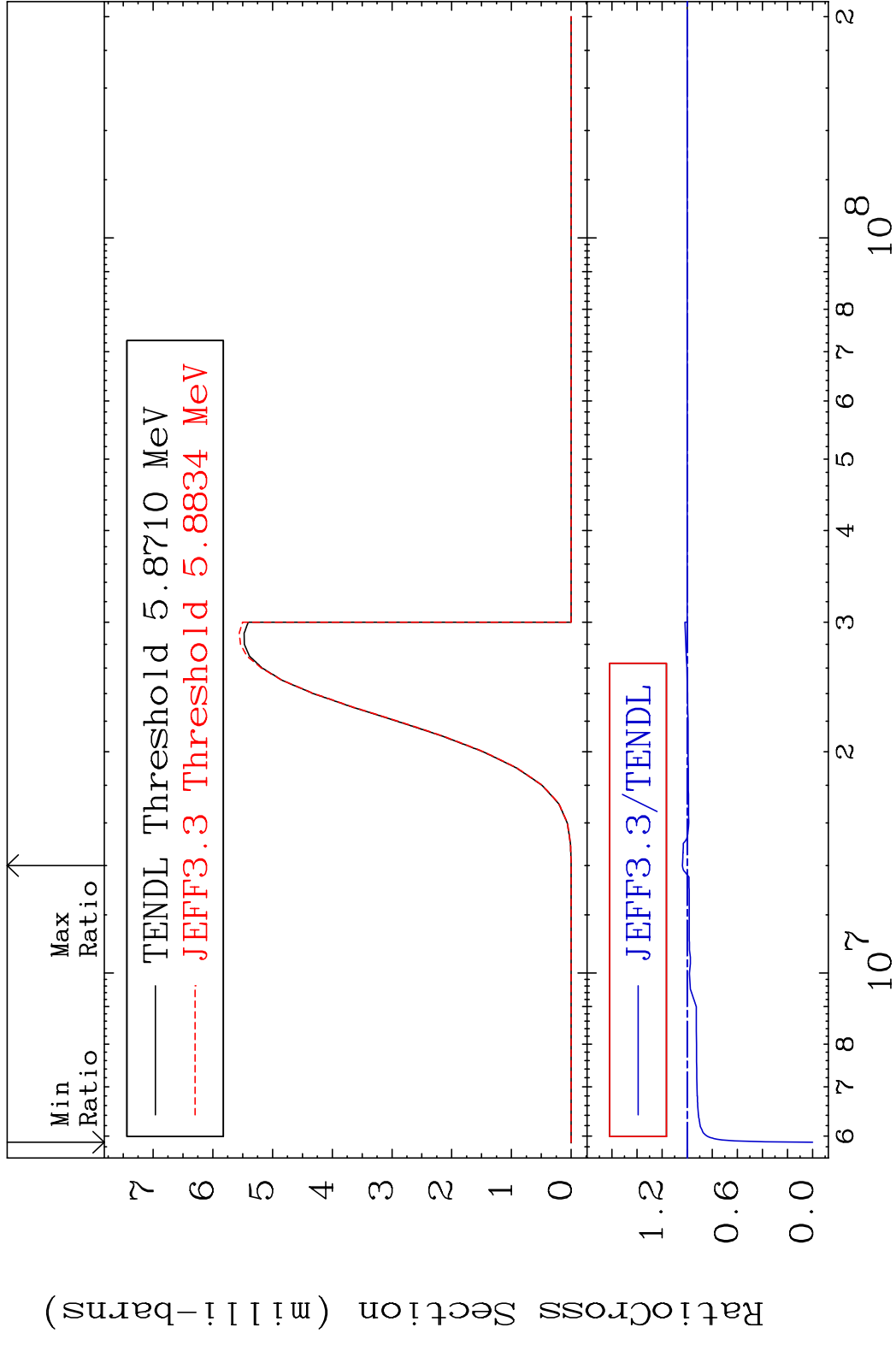


43

Incident Energy (eV)

78-Pt-190

MAT 7825 (n, t) 78-Pt-190  
 Cross Section -100.0 To 3.880 %

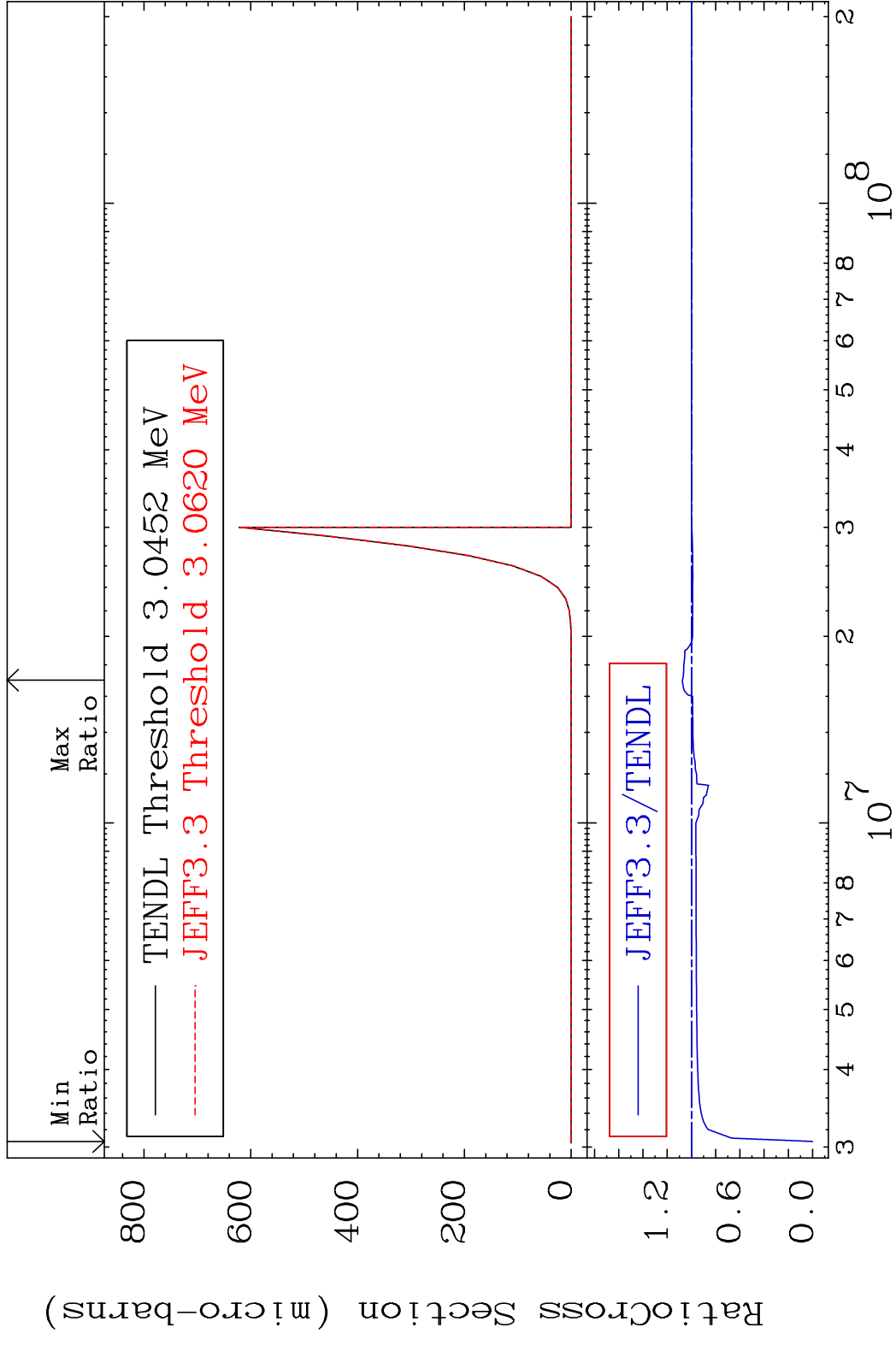


MAT 7825

(n, He-3)

78-Pt-190

Cross Section -100.0 To 7.495 %

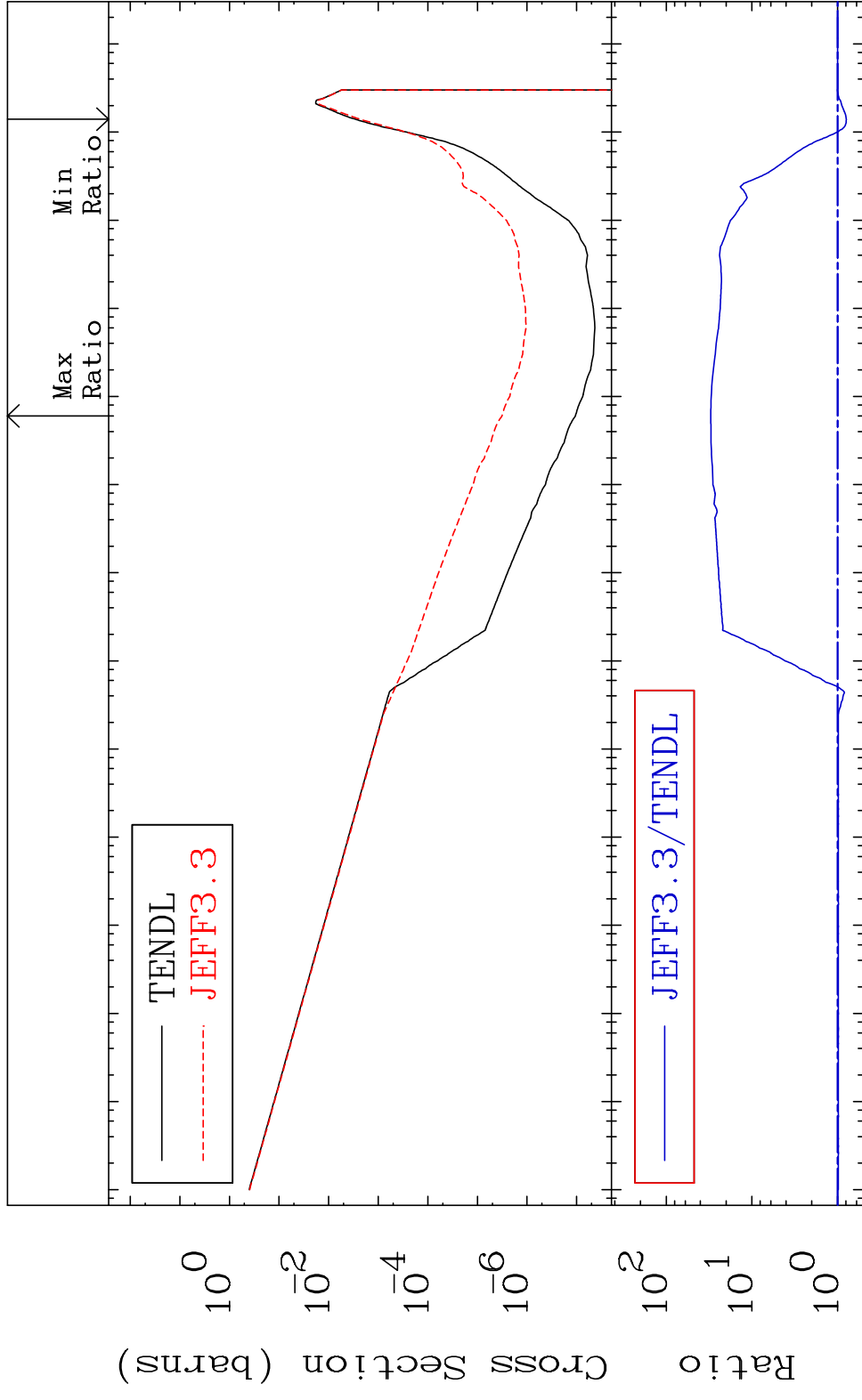


MAT 7825

78-Pt-190

(n,  $\alpha$ )

Cross Section -21.12 To 2928. %

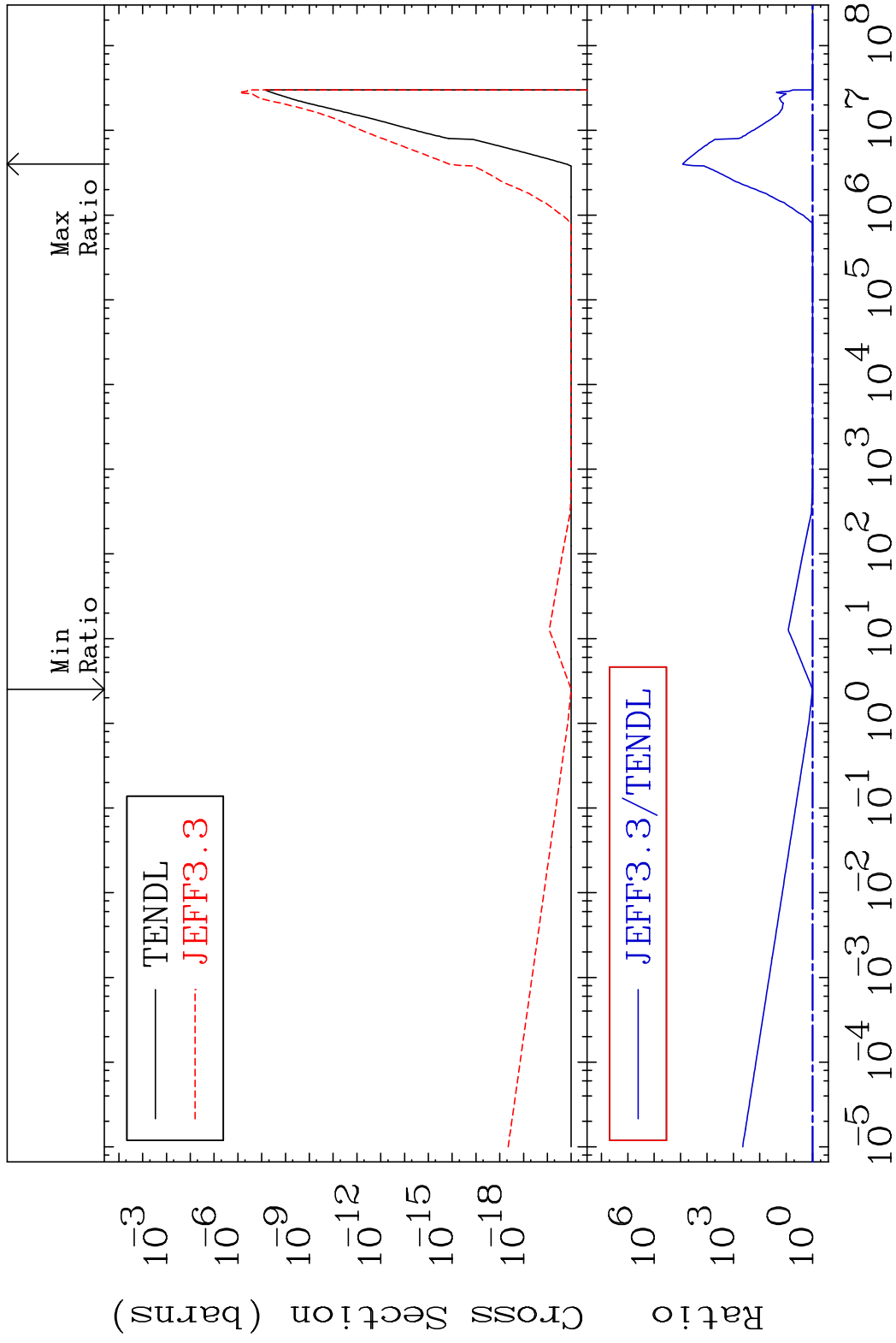


MAT 7825

(n,2α)

78-Pt-190

Cross Section 0.000 To 9999. %

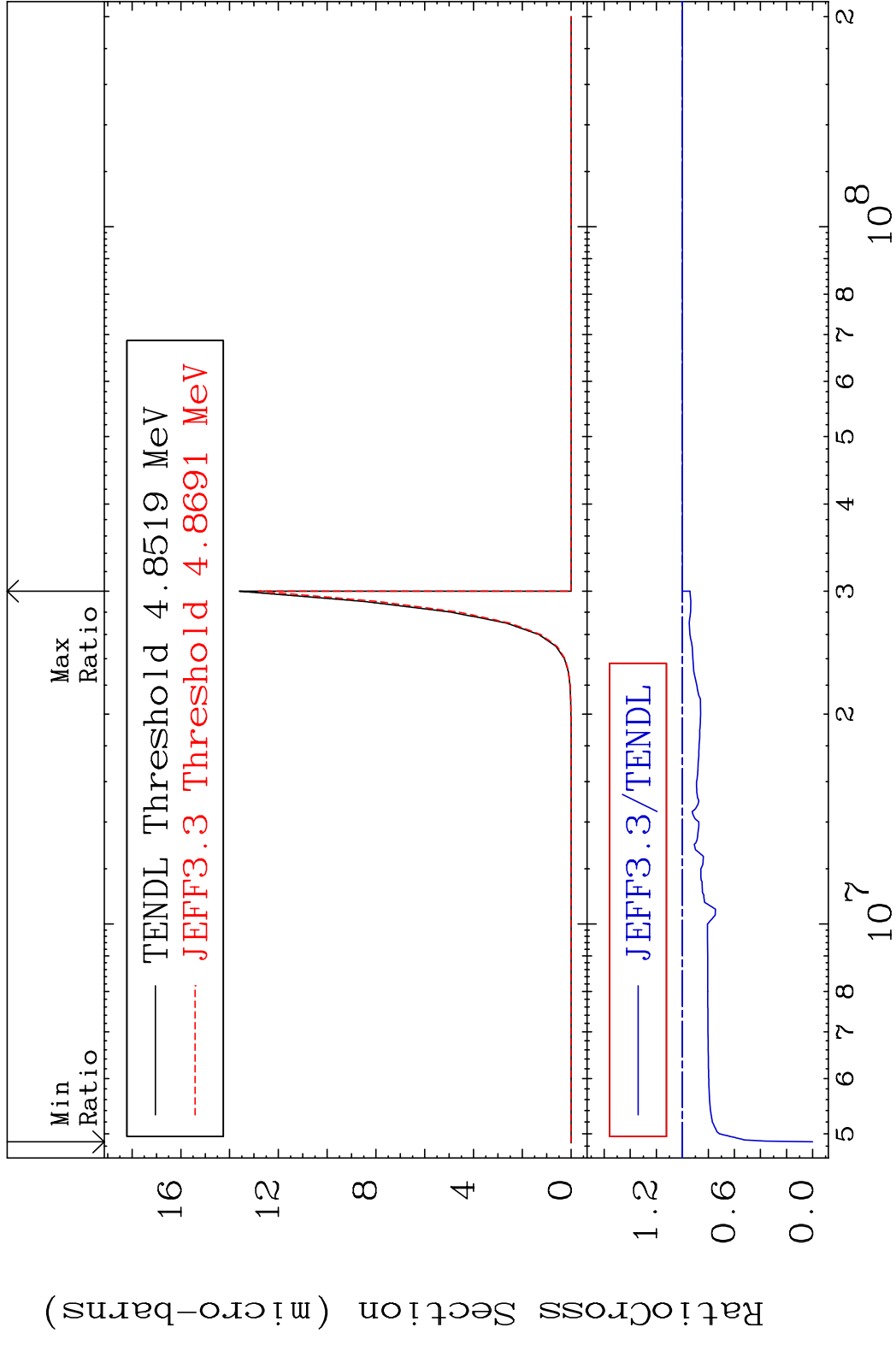


47

Incident Energy (eV)

78-Pt-190

MAT 7825 (n,2p) 78-Pt-190  
 Cross Section -100.0 To 0.000 %

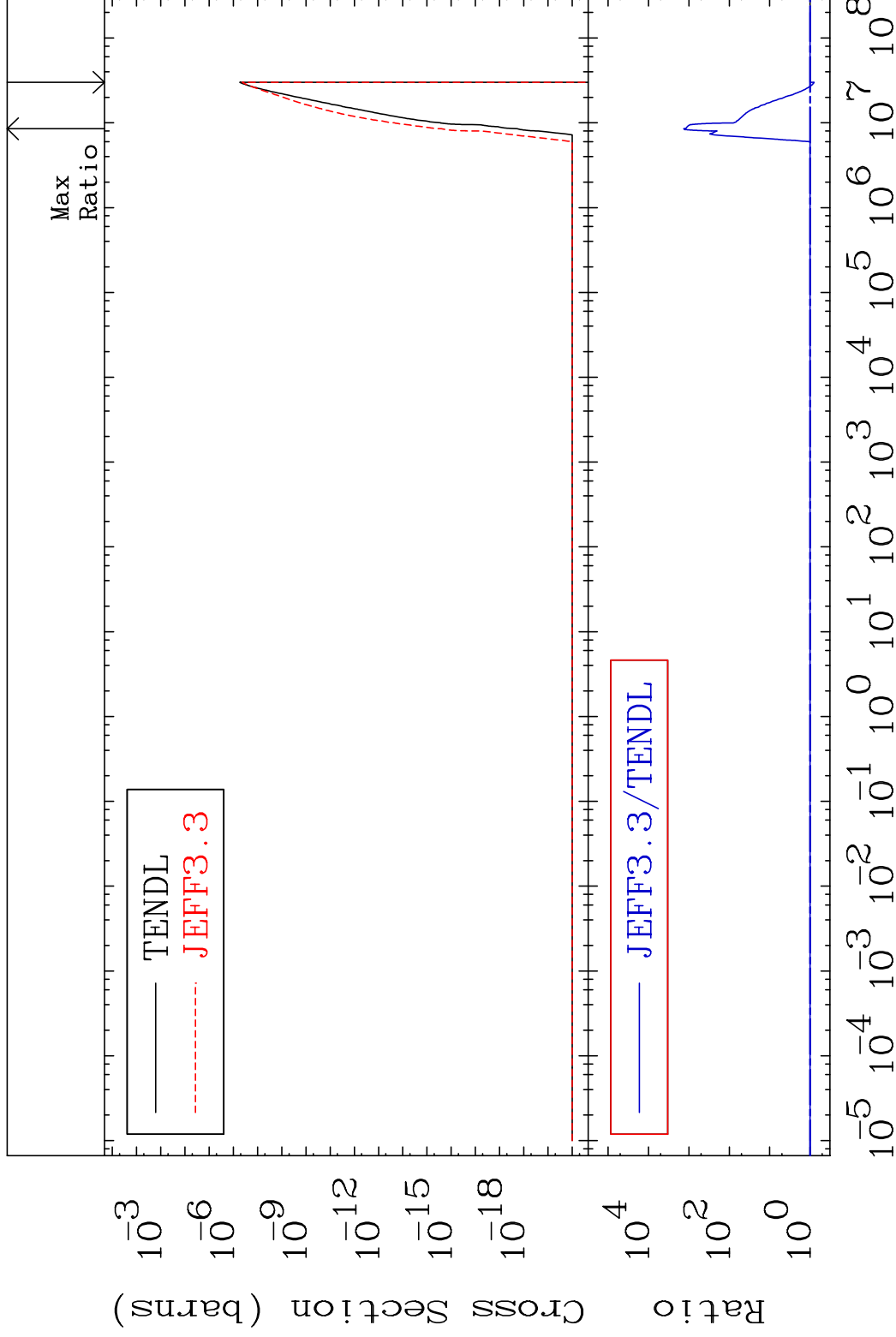


MAT 7825

(n, p)  $\alpha$

78-Pt-190

Cross Section -20.41 To 9999. %



49

Incident Energy (eV)

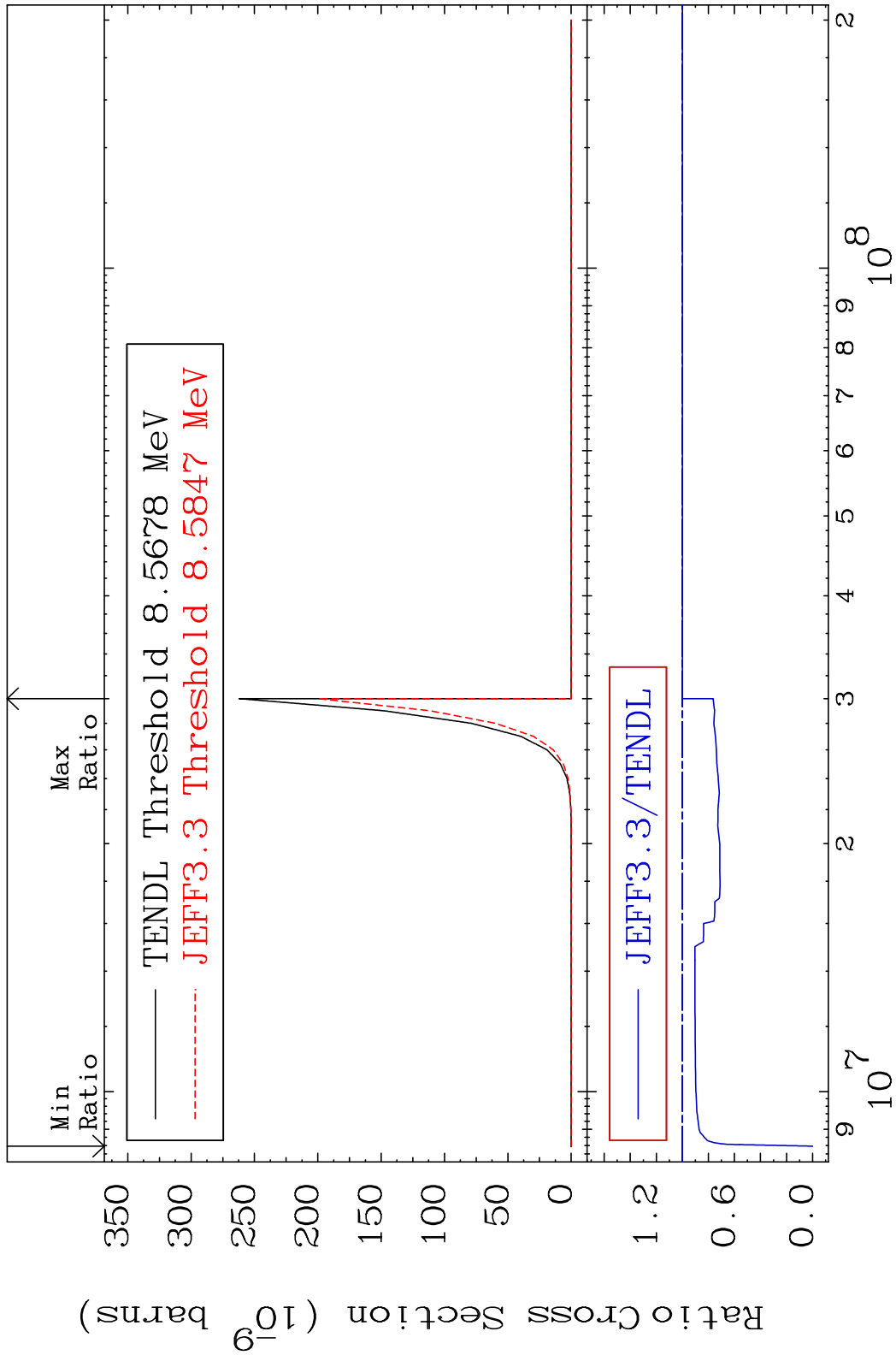
78-Pt-190

MAT 7825

(n,p) d

78-Pt-190

Cross Section -100.0 To 0.000 %



50

Incident Energy (eV)

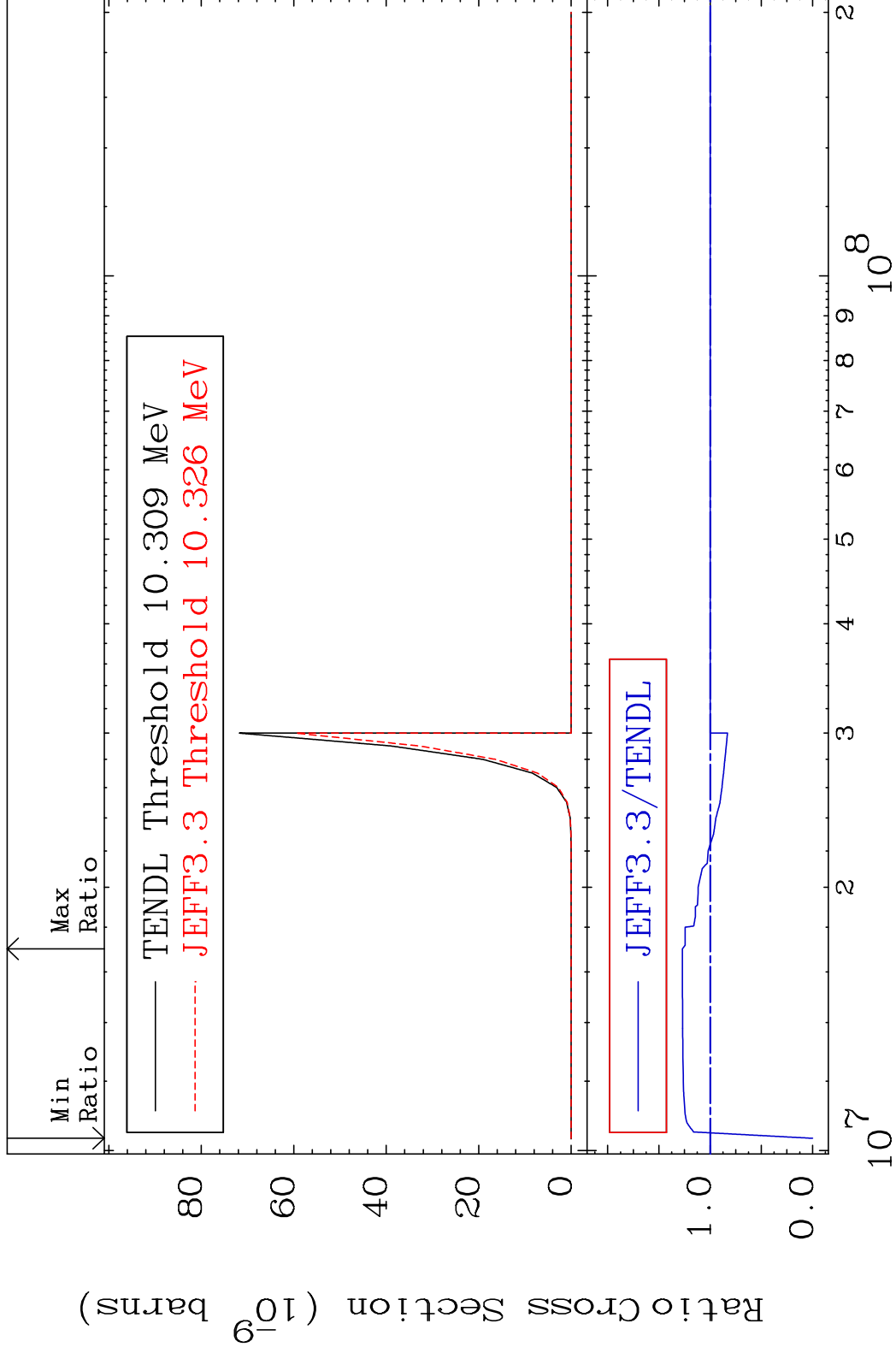
78-Pt-190

MAT 7825

(n,p) t

78-Pt-190

Cross Section -100.0 To 27.11 %

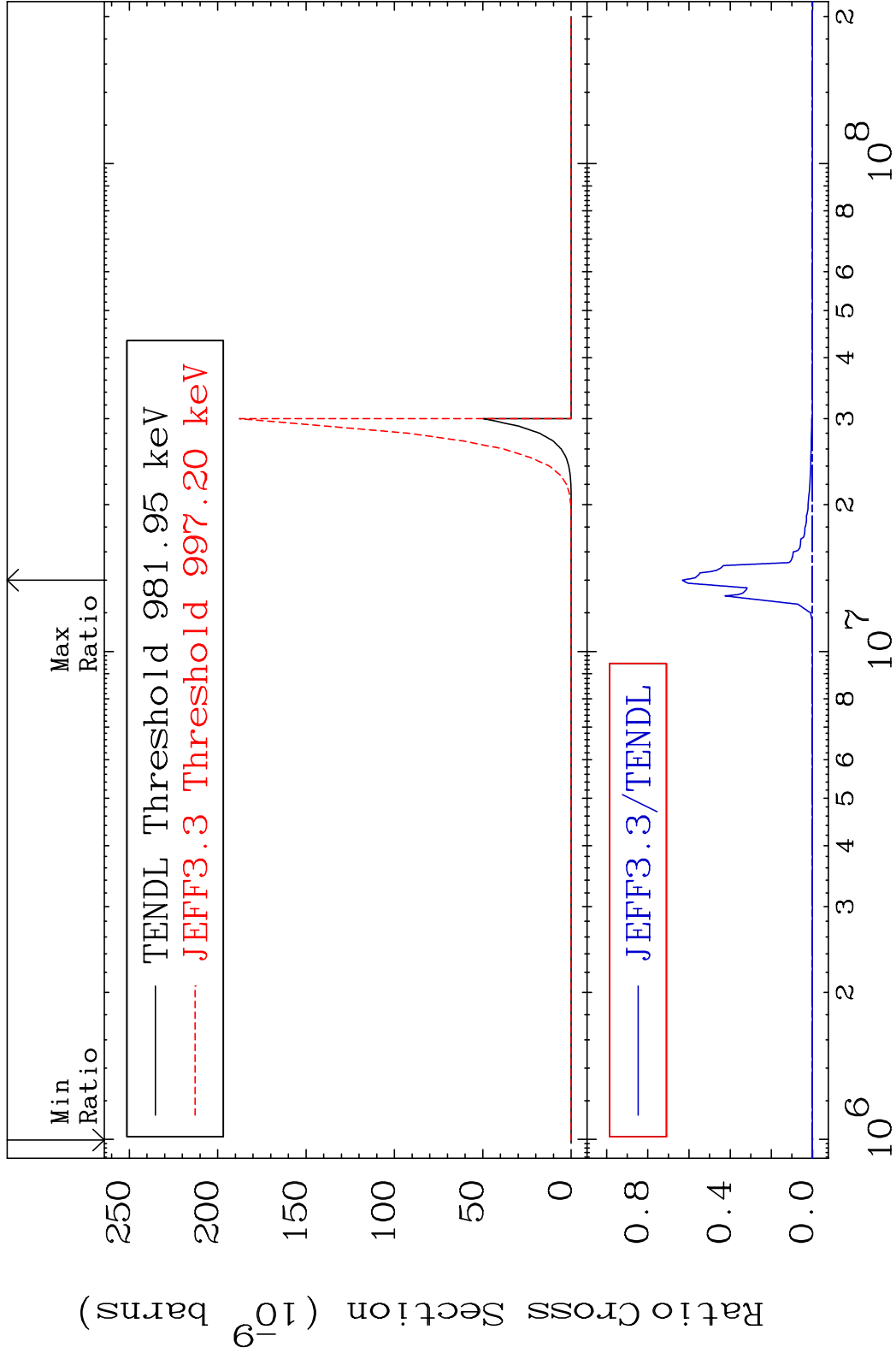


51

Incident Energy (eV)

78-Pt-190

MAT 7825 (n,d)  $\alpha$  78-Pt-190  
 Cross Section -100.0 To 9999. %



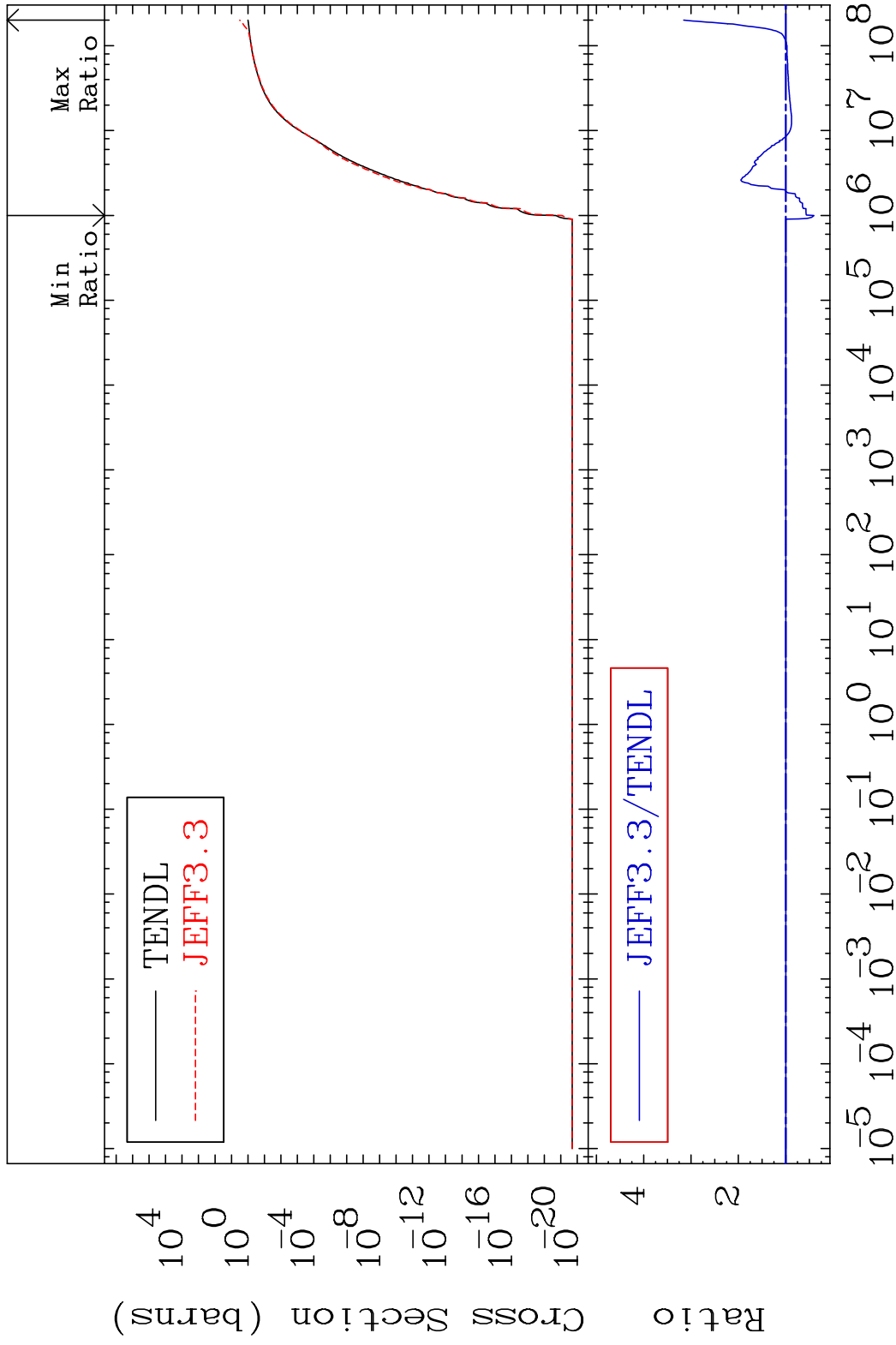
52 Incident Energy (eV) 78-Pt-190

MAT 7825

Hydrogen Production

78-Pt-190

Cross Section -59.96 To 215.7 %



53

Incident Energy (eV)

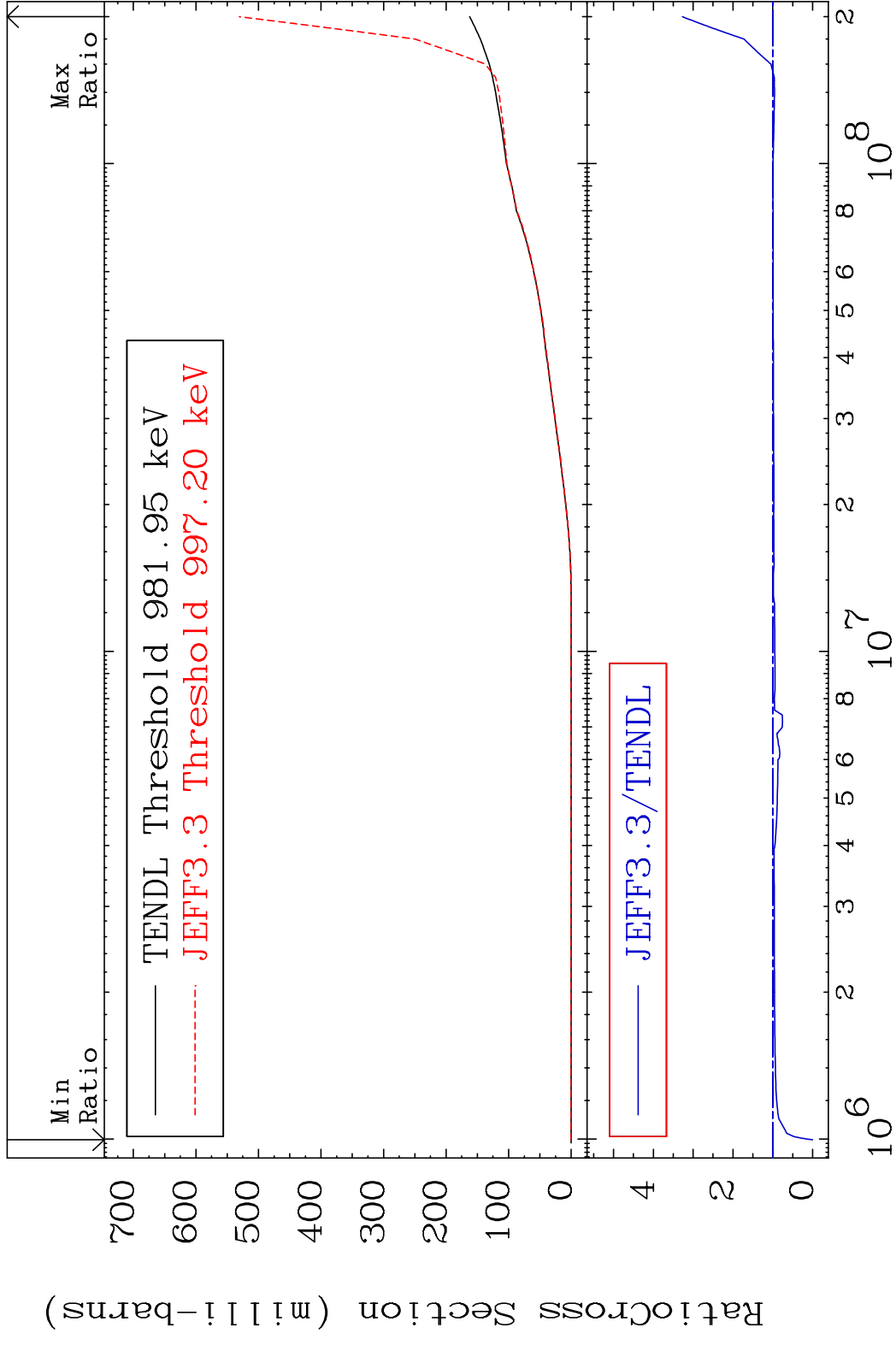
78-Pt-190

MAT 7825

Deuterium Production

78-Pt-190

Cross Section -100.0 To 227.1 %



54

Incident Energy (eV)

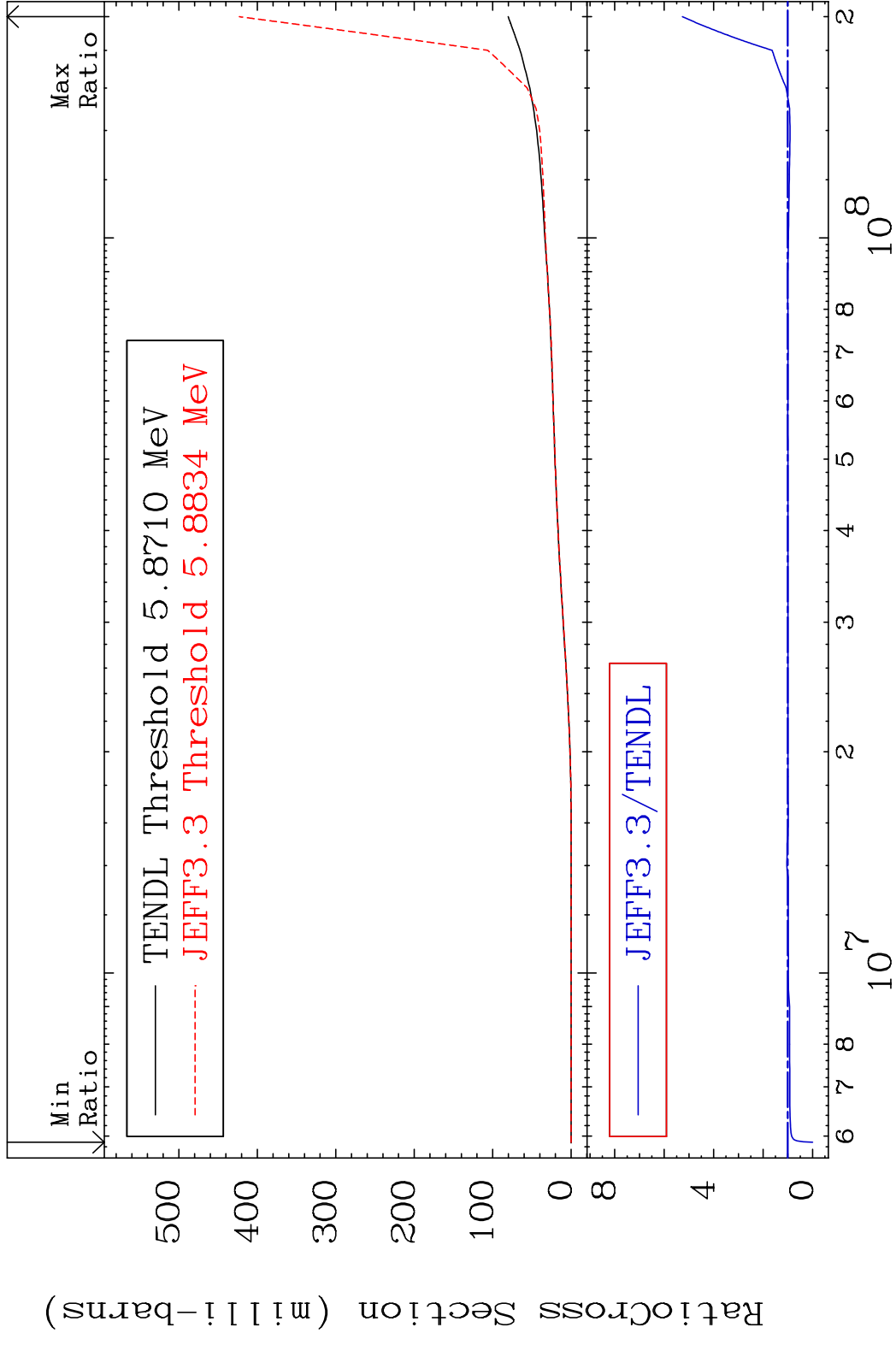
78-Pt-190

MAT 7825

Tritium Production

78-Pt-190

Cross Section -100.0 To 426.6 %

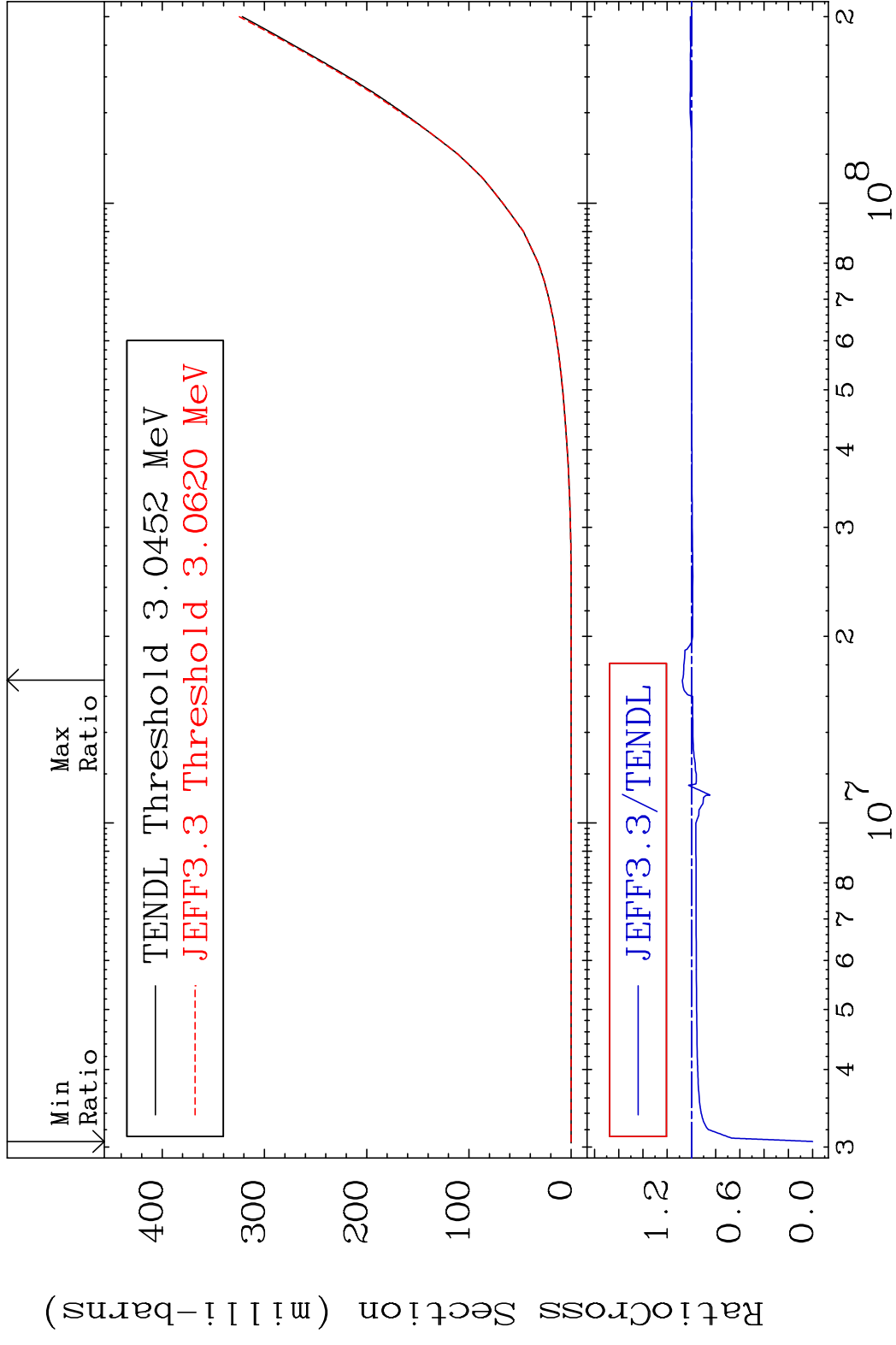


MAT 7825

He-3 Production

78-Pt-190

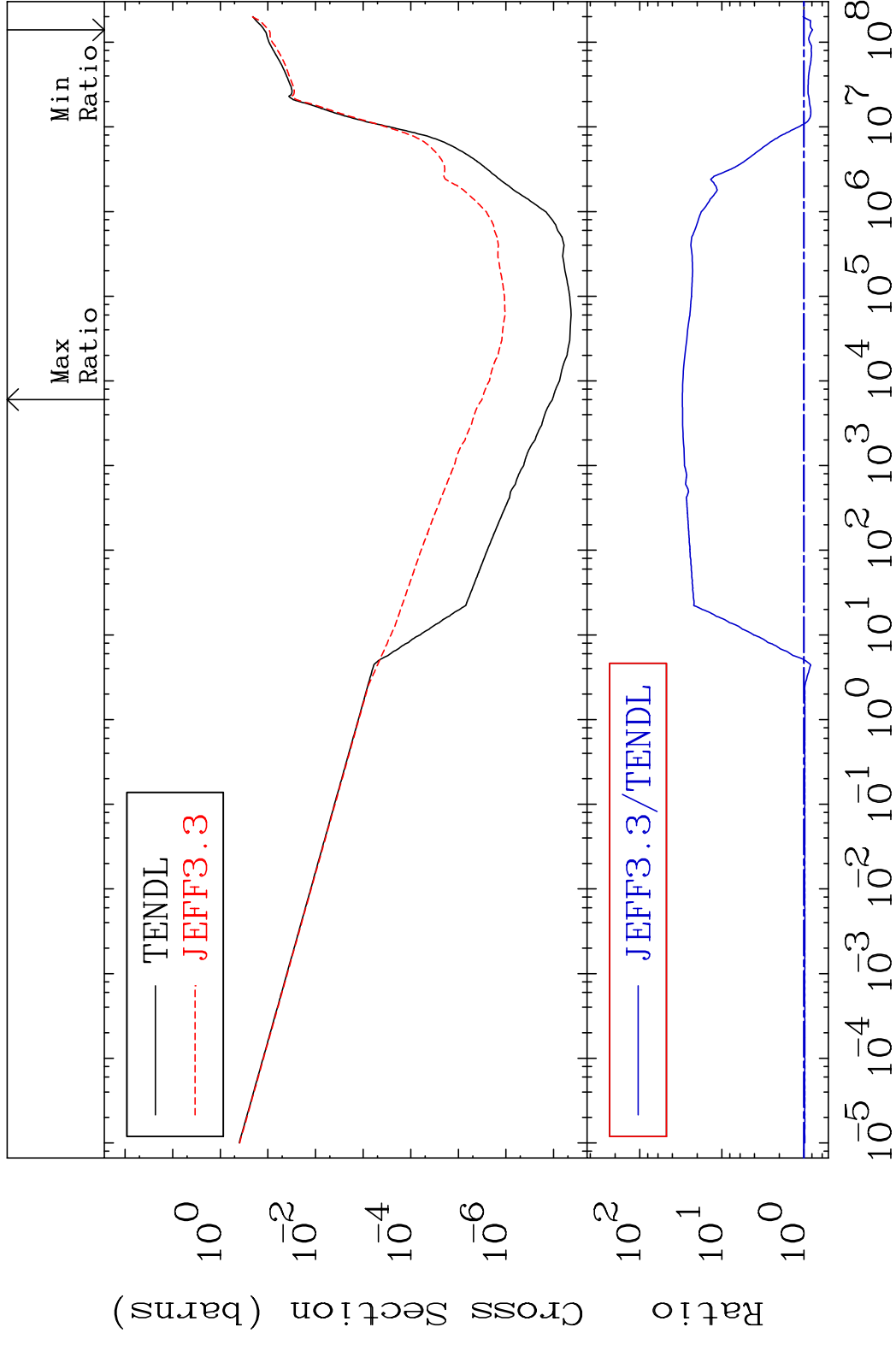
Cross Section -100.0 To 7.495 %



MAT 7825

He-4 Production  
Cross Section -21.30 To 2928. %

78-Pt-190

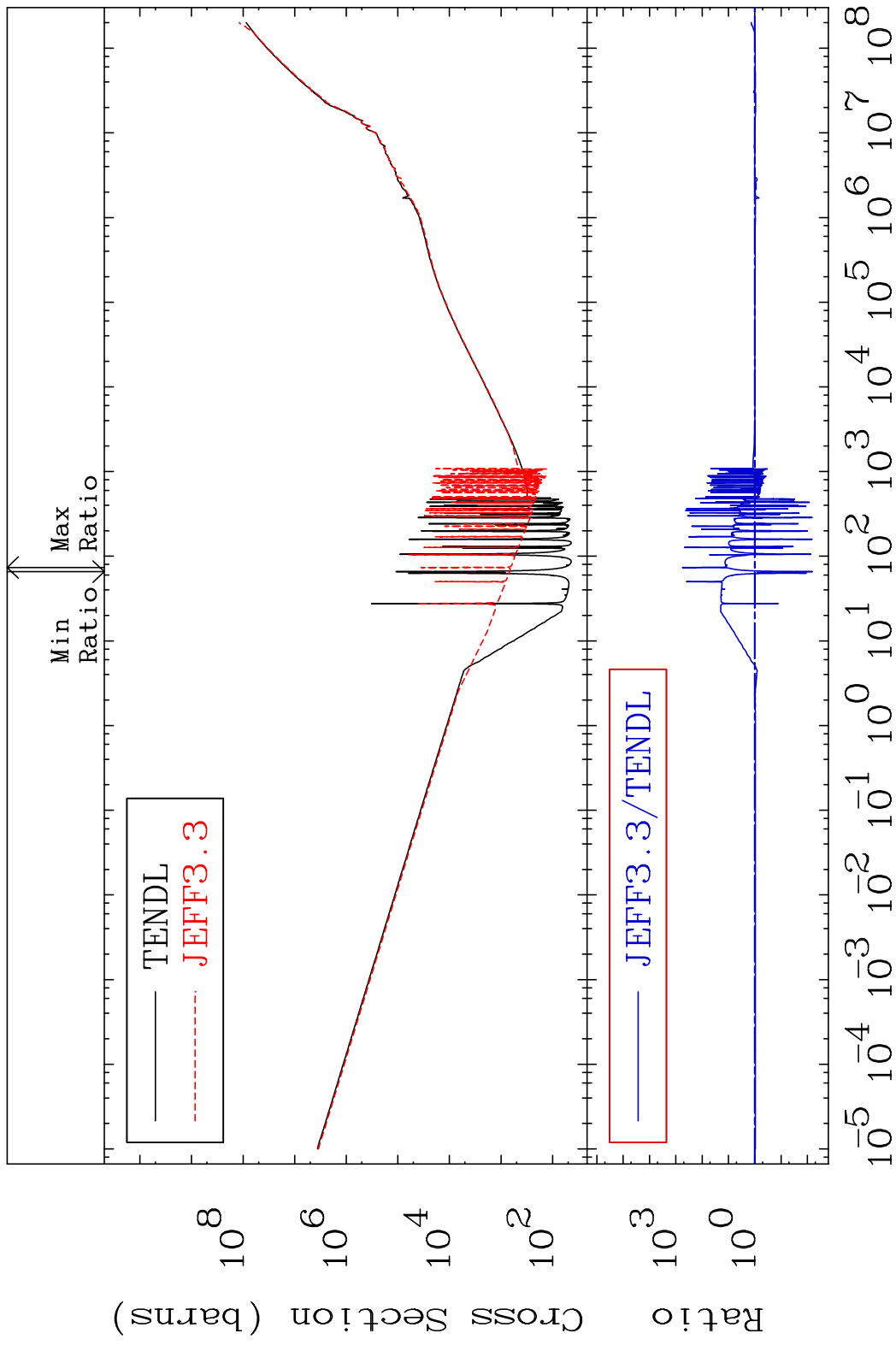


57

Incident Energy (eV)

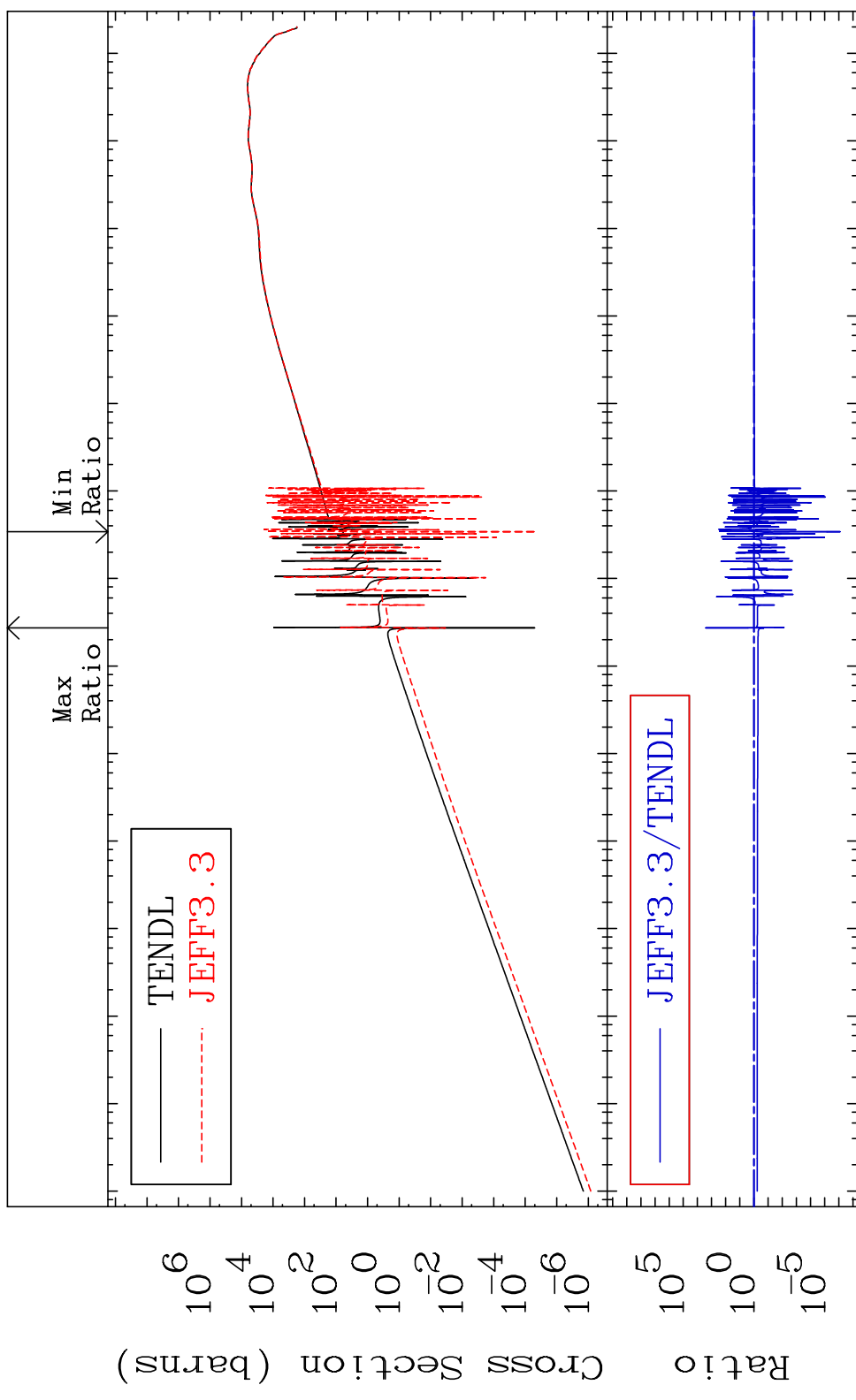
78-Pt-190

MAT 7825 Kerma total (eV-barns) 78-Pt-190  
 Cross Section -99.36 To 9999. %

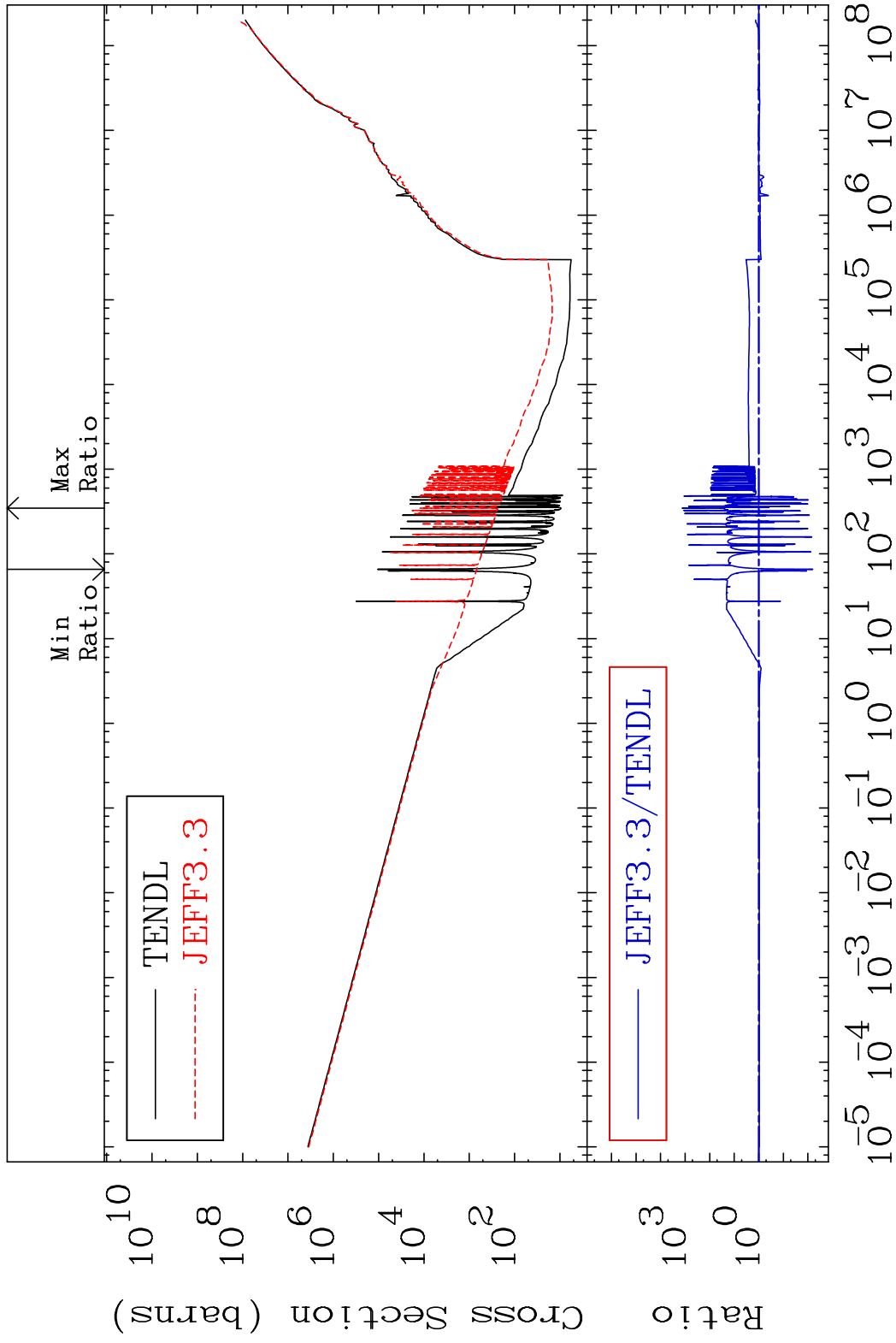


MAT 7825

Kerma elastic Cross Section -100.0 To 9999. %  
78-Pt-190

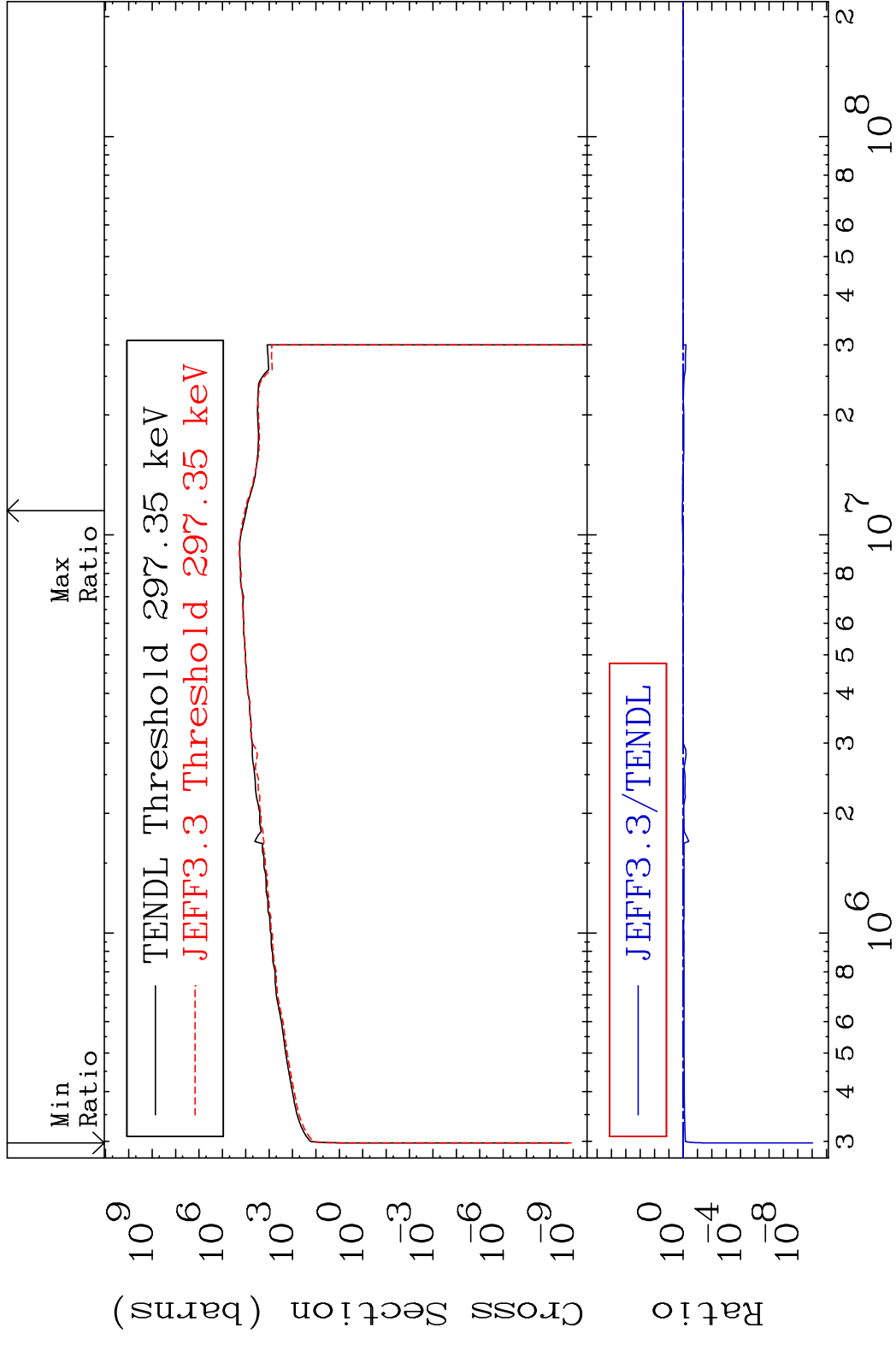


MAT 7825 Kerma non-elastic (all but mt2) 78-Pt-190  
 Cross Section -99.35 To 9999. %

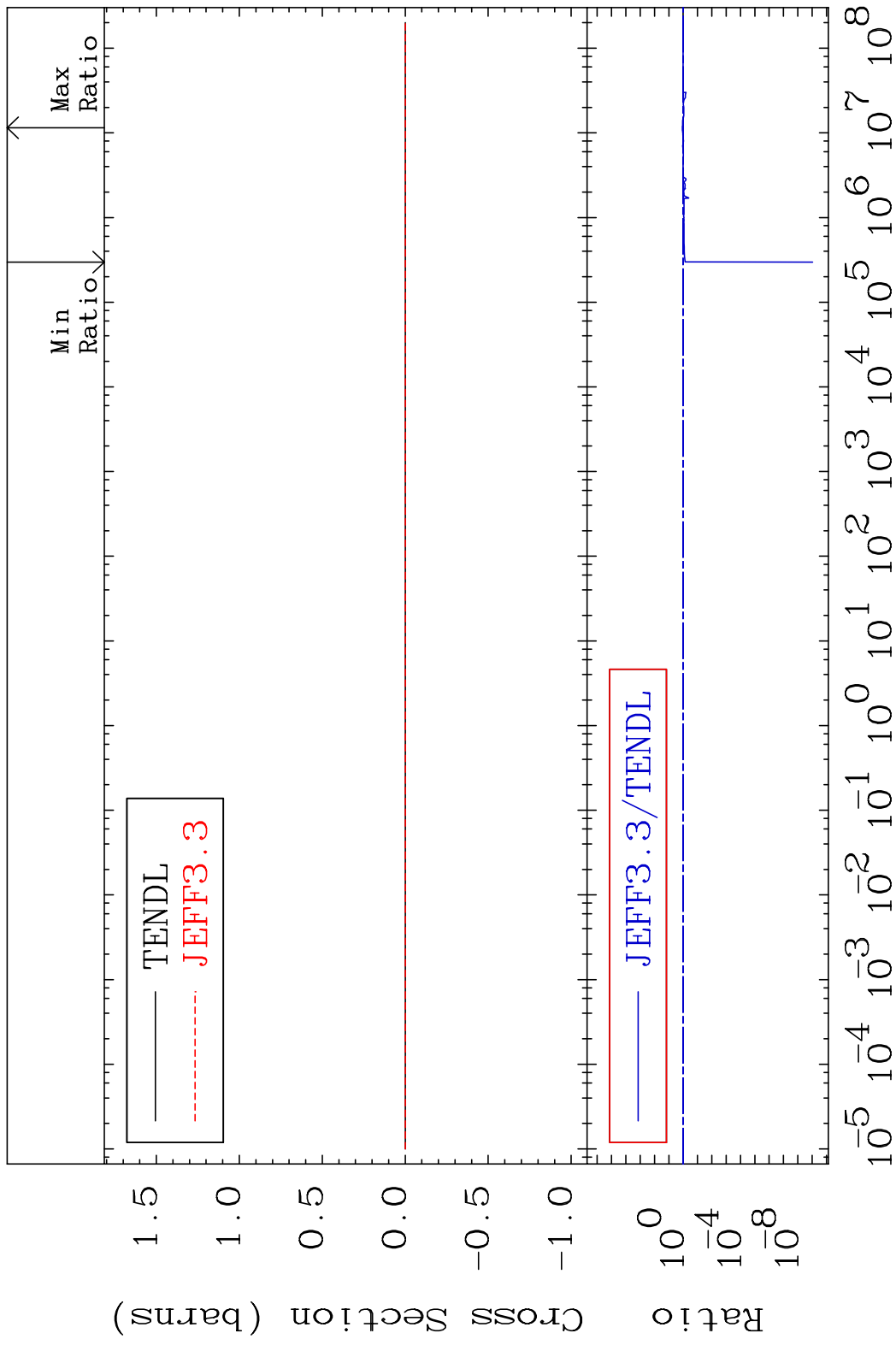


60 Incident Energy (eV) 78-Pt-190

MAT 7825 Kerma inelastic (mt51-91) 78-Pt-190  
 Cross Section -100.0 To 13.66 %

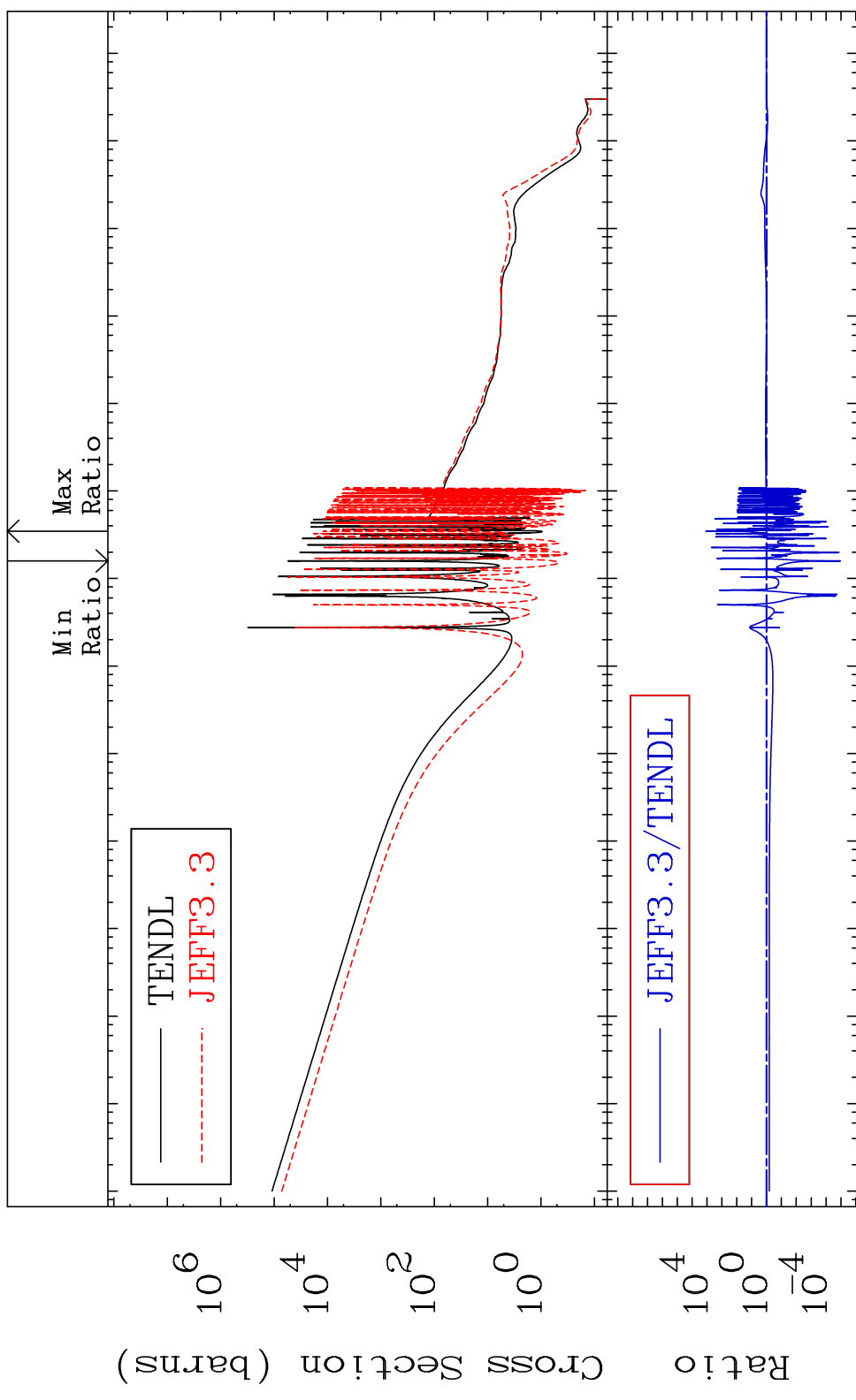


MAT 7825 Kerma fission (mt18 or mt19-20-21-38)78-Pt-190  
 Cross Section -100.0 To 13.66 %



MAT 7825

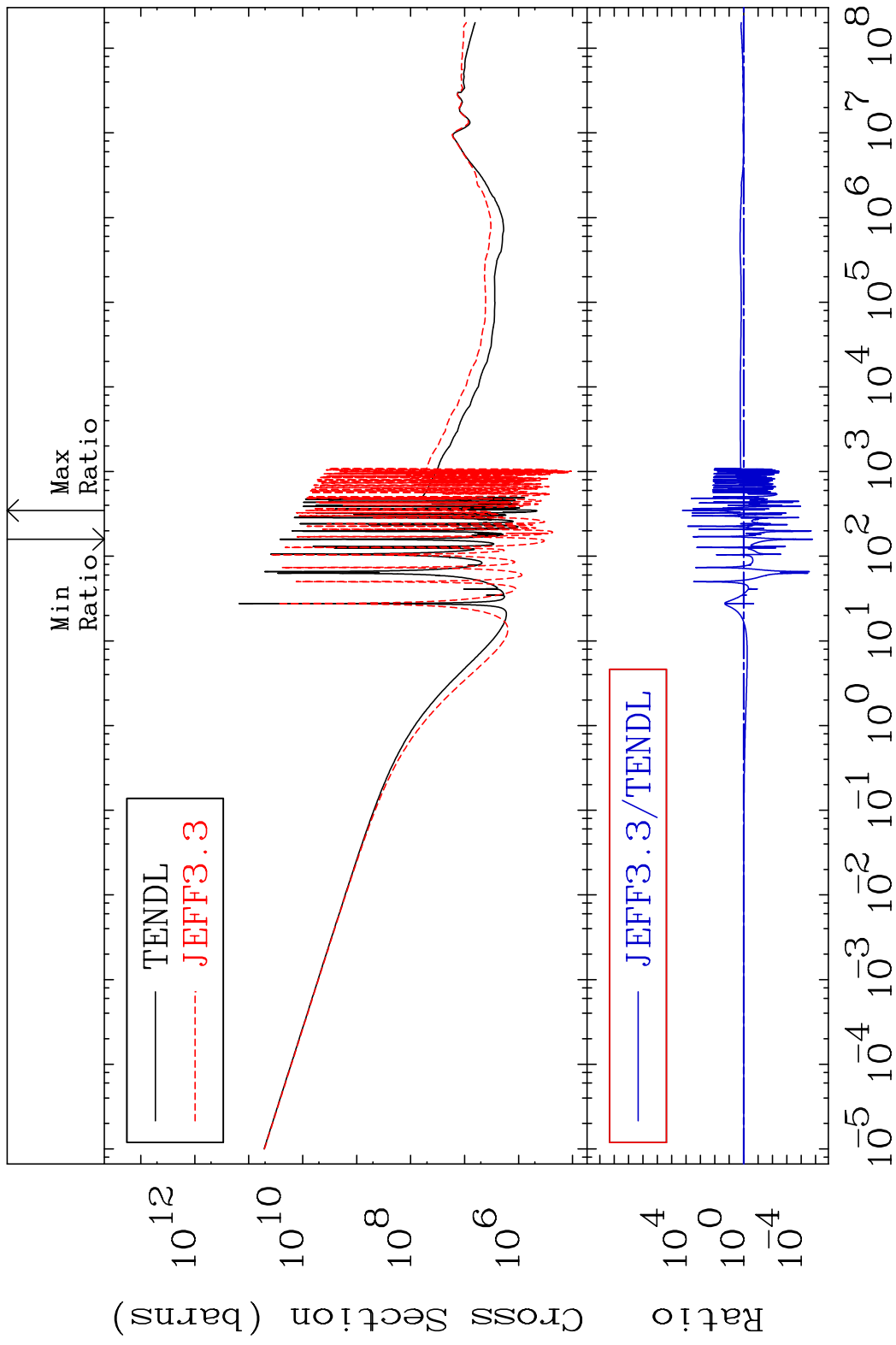
Kerma capture (mt102) 78-Pt-190  
Cross Section -100.0 To 9999. %



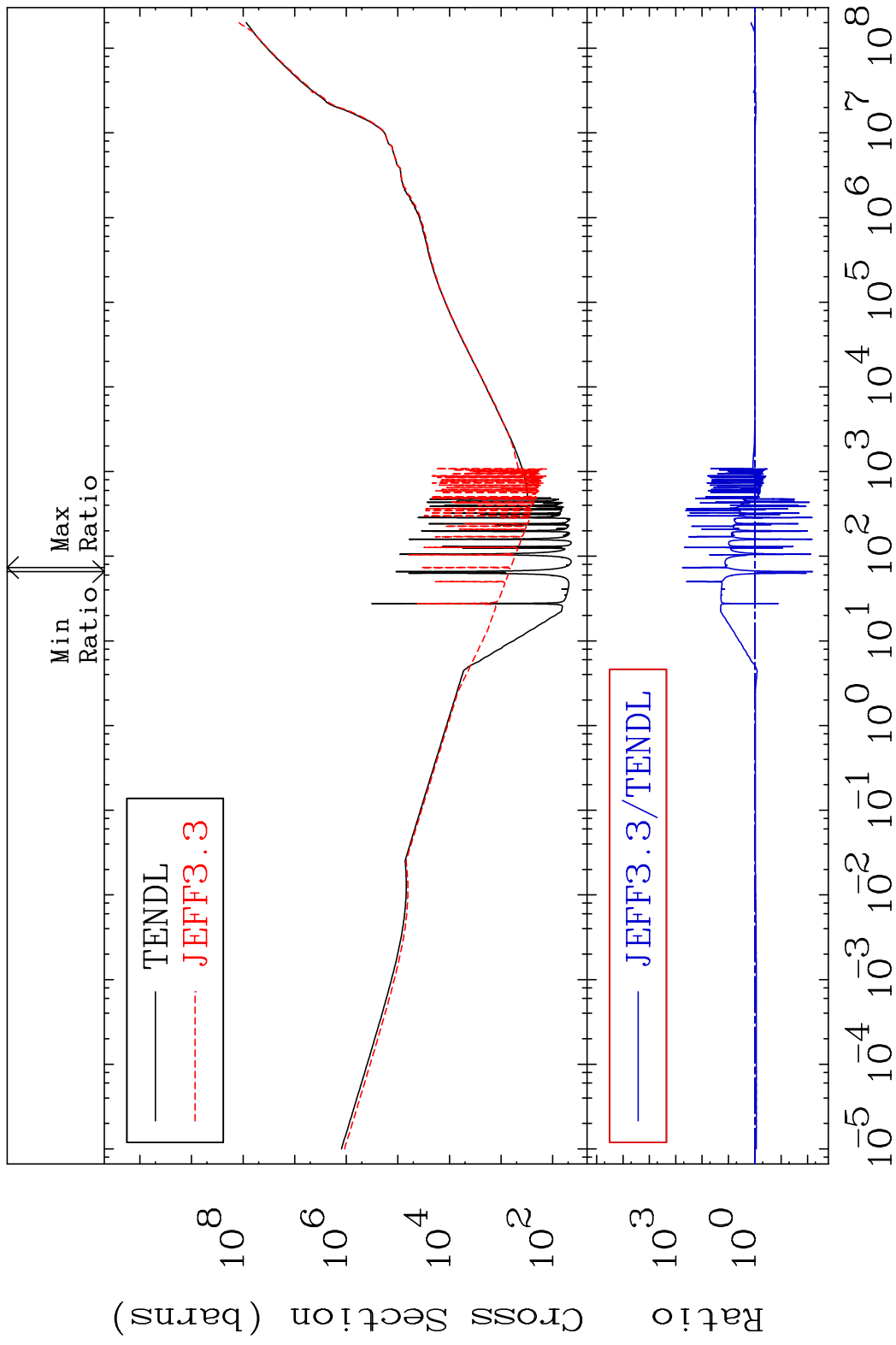
63

Incident Energy (eV) 78-Pt-190

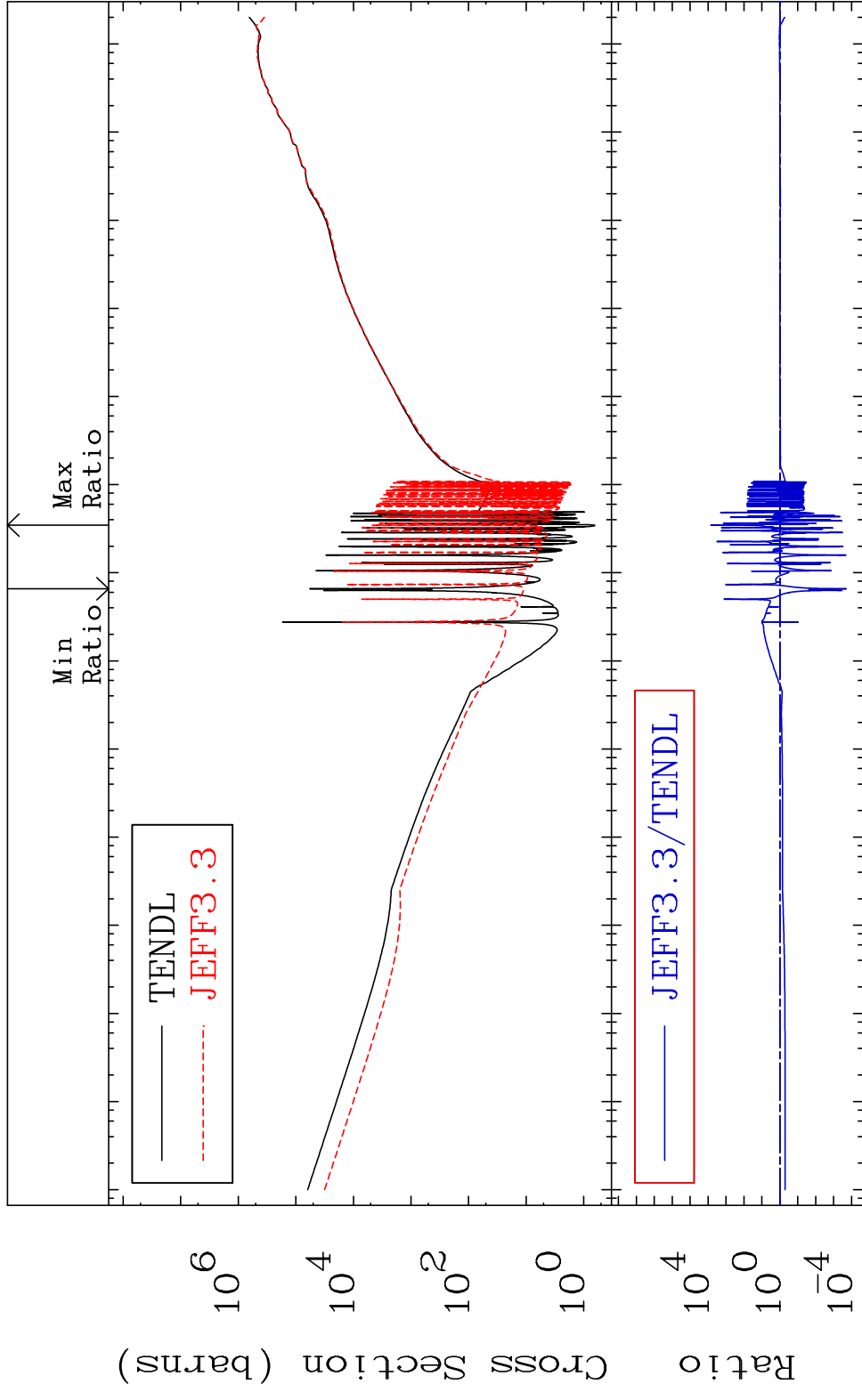
MAT 7825 Total photon (eV-barns) 78-Pt-190  
 Cross Section -100.0 To 9999. %



MAT 7825 Total kinematic kerma (high limit) 78-Pt-190  
 Cross Section -99.36 To 9999. %



MAT 7825 Dpa total (eV-barns) 78-Pt-190  
 Cross Section -99.98 To 9999. %

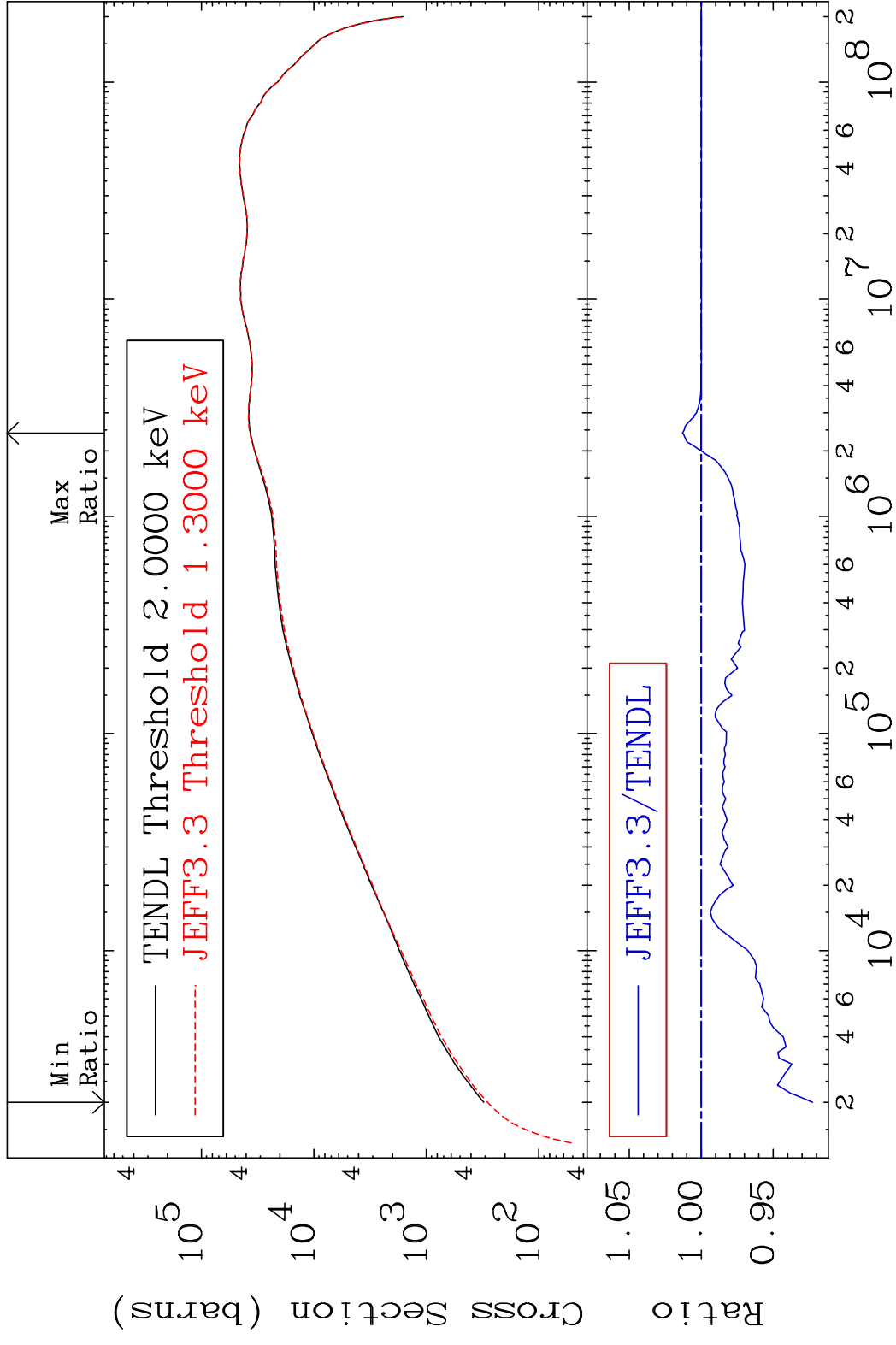


MAT 7825

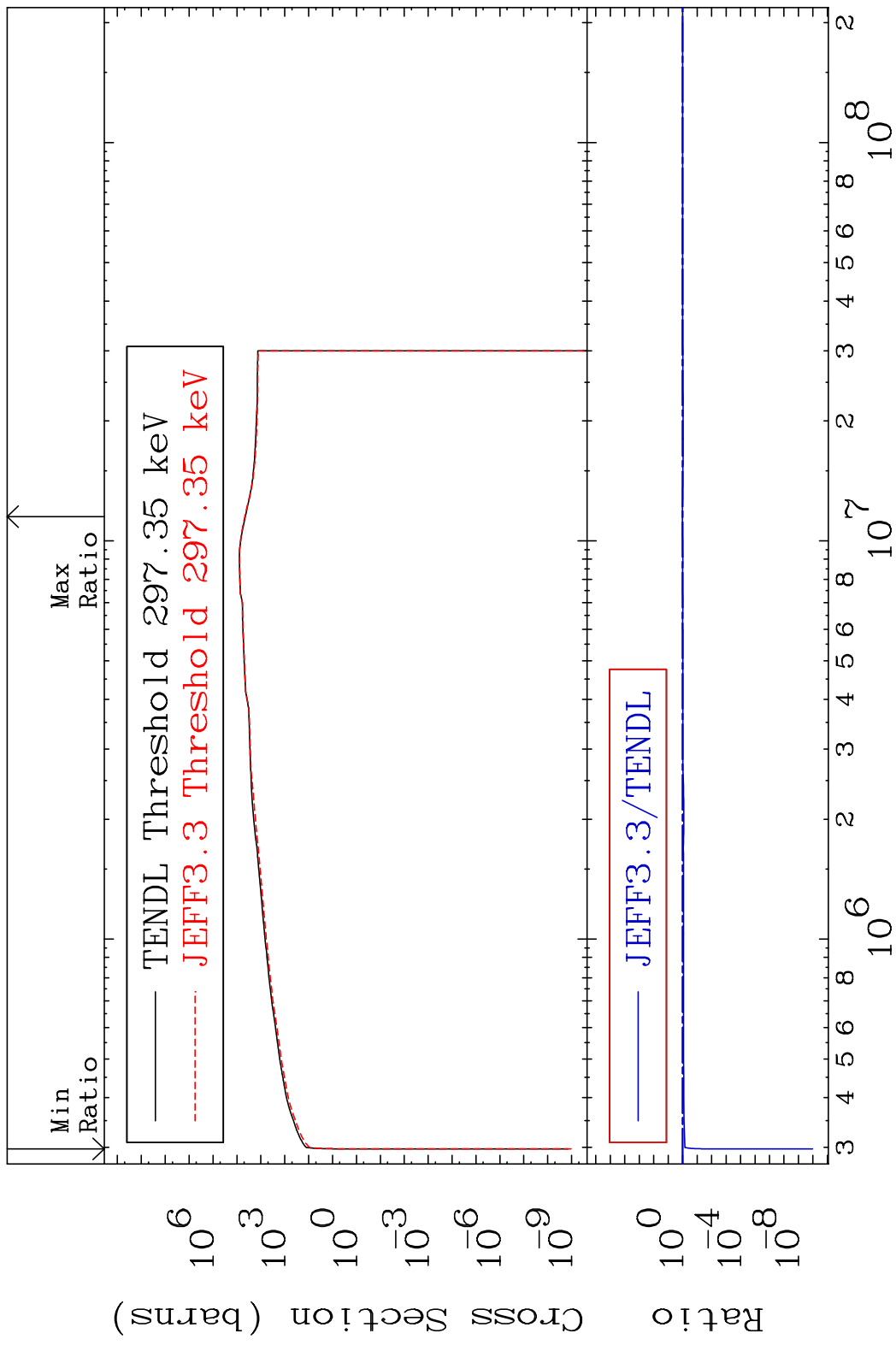
Dpa elastic (mt2)

78-Pt-190

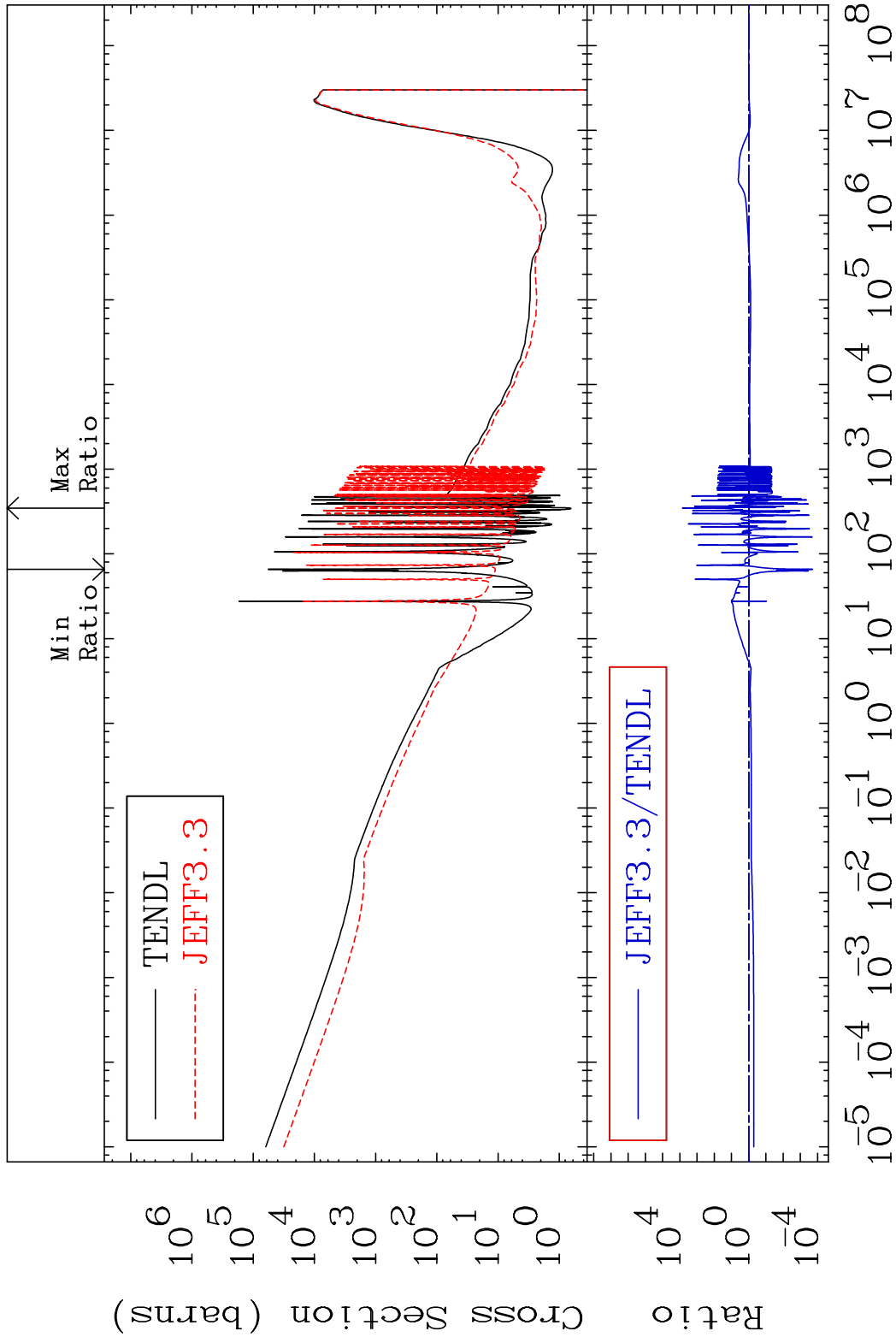
Cross Section -7.727 To 1.310 %



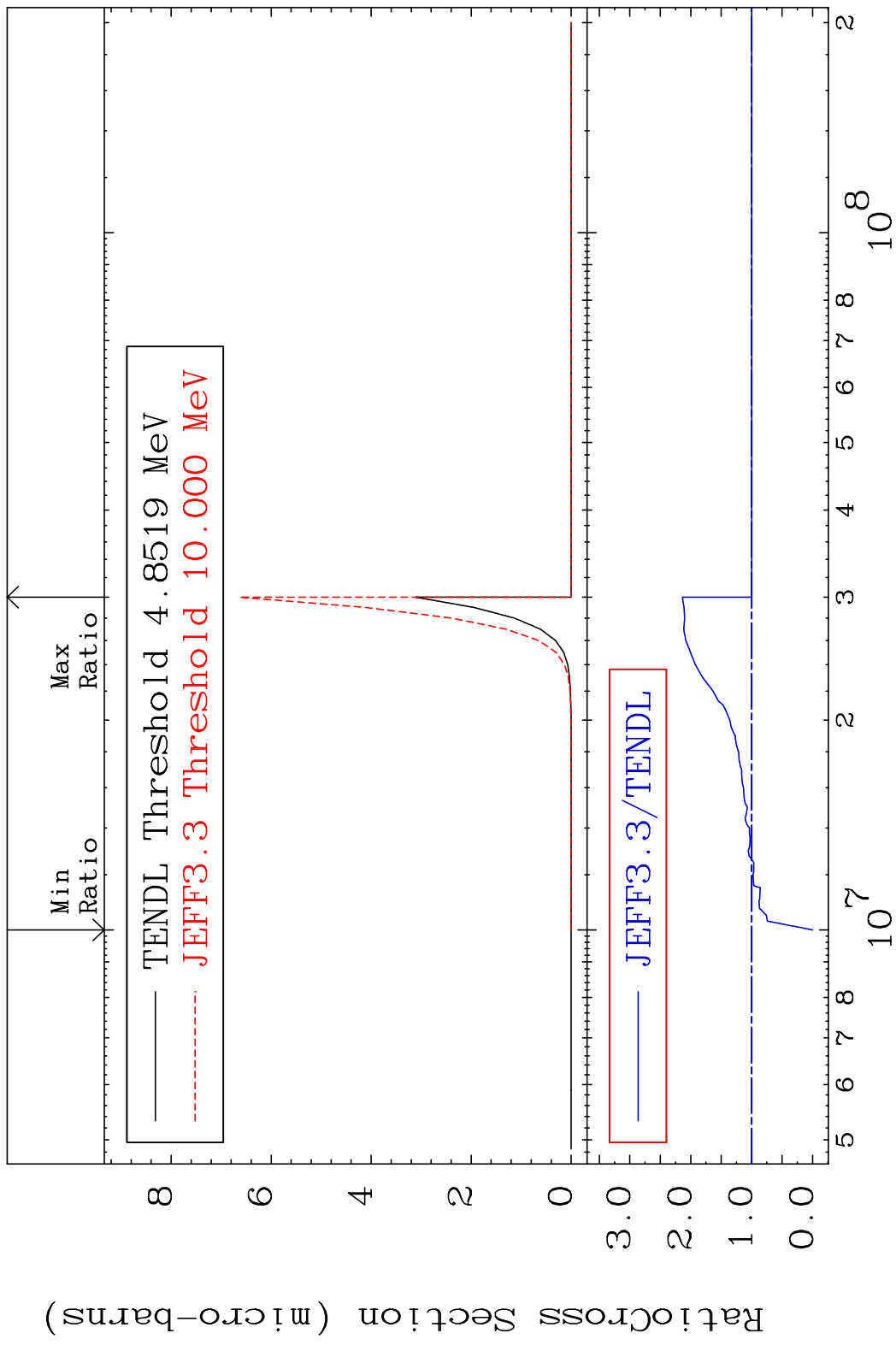
MAT 7825 Dpa inelastic (mt51-91) 78-Pt-190  
 Cross Section -100.0 To 5.254 %



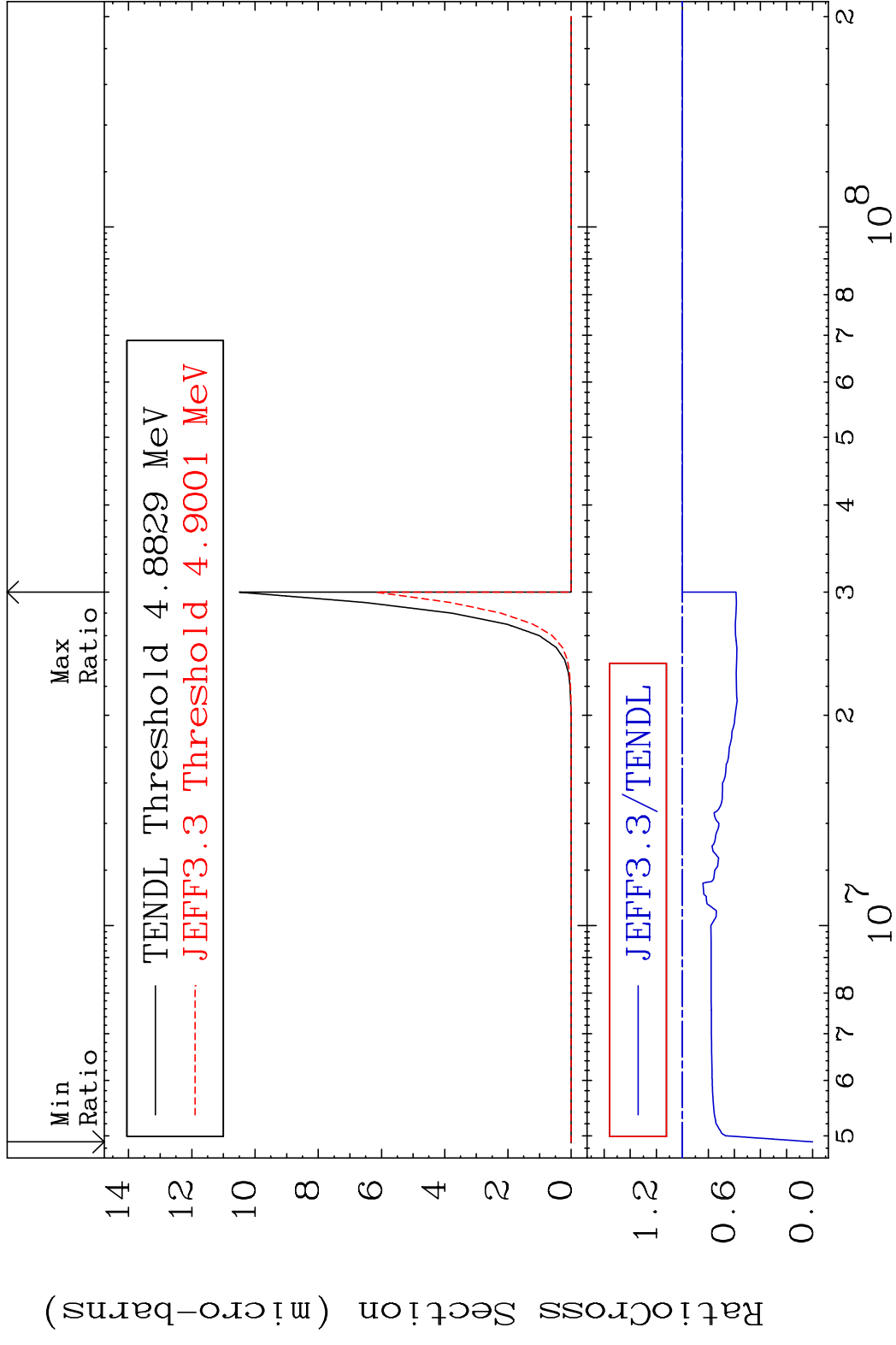
MAT 7825 Dpa disappearance (mt102 -120) 78-Pt-190  
 Cross Section -99.98 To 9999. %



MAT 7825 (n,2p):76-Os-189g 78-Pt-190  
 Radionuclide Production Cross Section 100.0 %  
 Ratio 113.7 %



70 Incident Energy (eV) 78-Pt-190



MAT 7825 (n,2p):76-0s-189m1 78-Pt-190  
 Radionuclide Production Cross Section 189m1 to 0.000 %

