

Program Complot  
(Version 2021-1)

by

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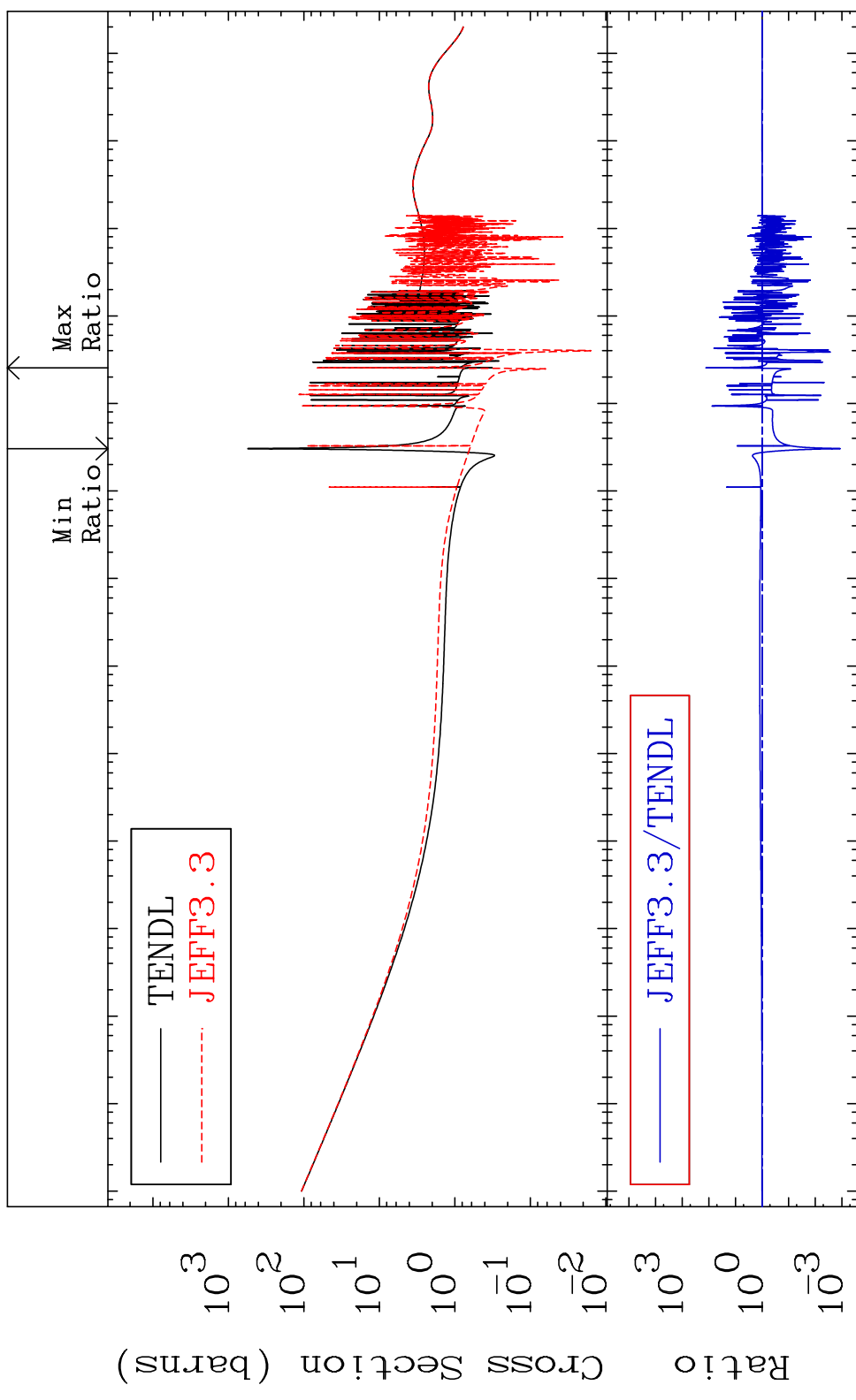
Press Mouse Button to Start

MAT 1925

Total

19-K -39

Cross Section -99.89 To 9999. %



1

Incident Energy (eV)

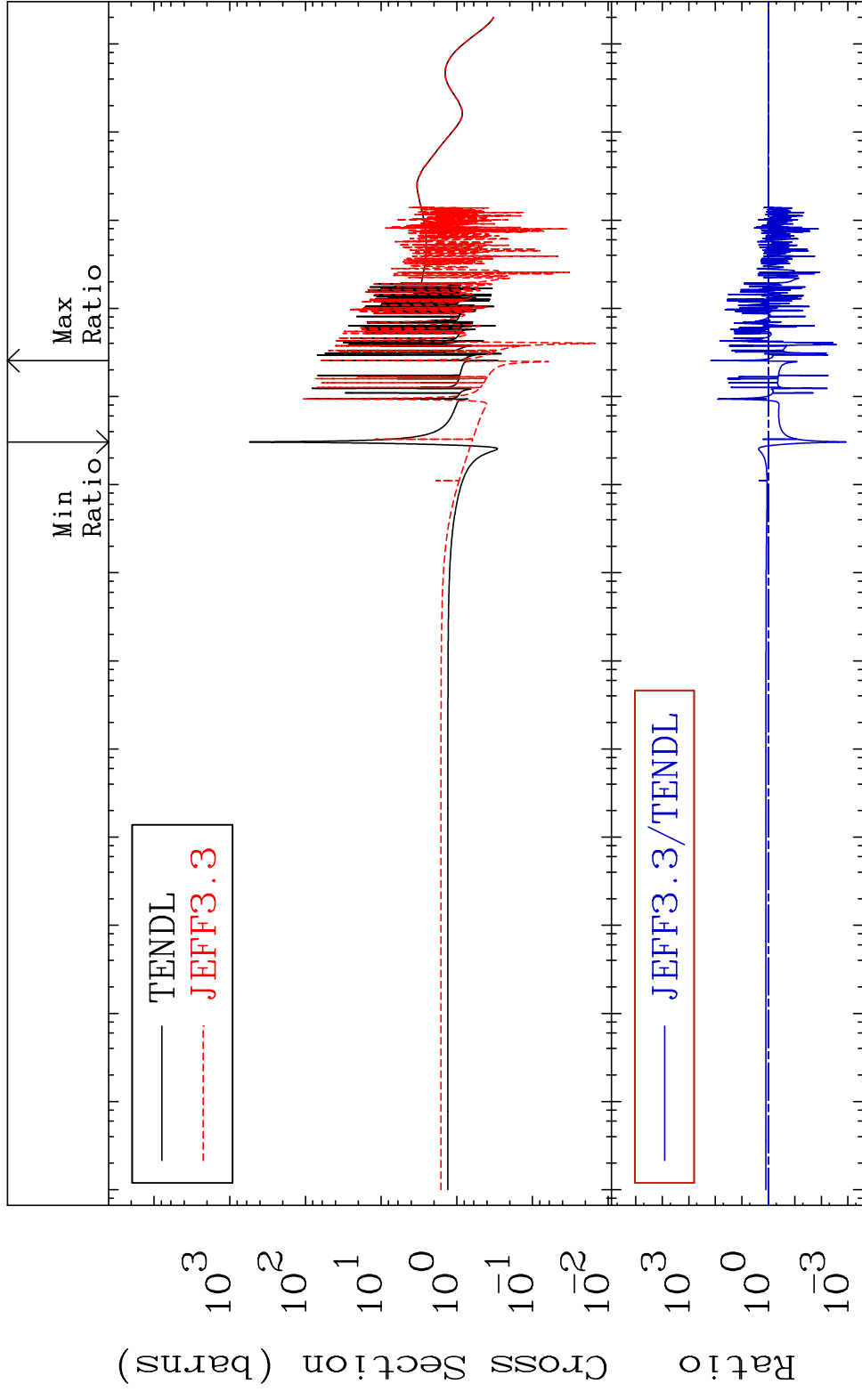
19-K -39

MAT 1925

Elastic

19-K -39

Cross Section -99.89 To 9999. %

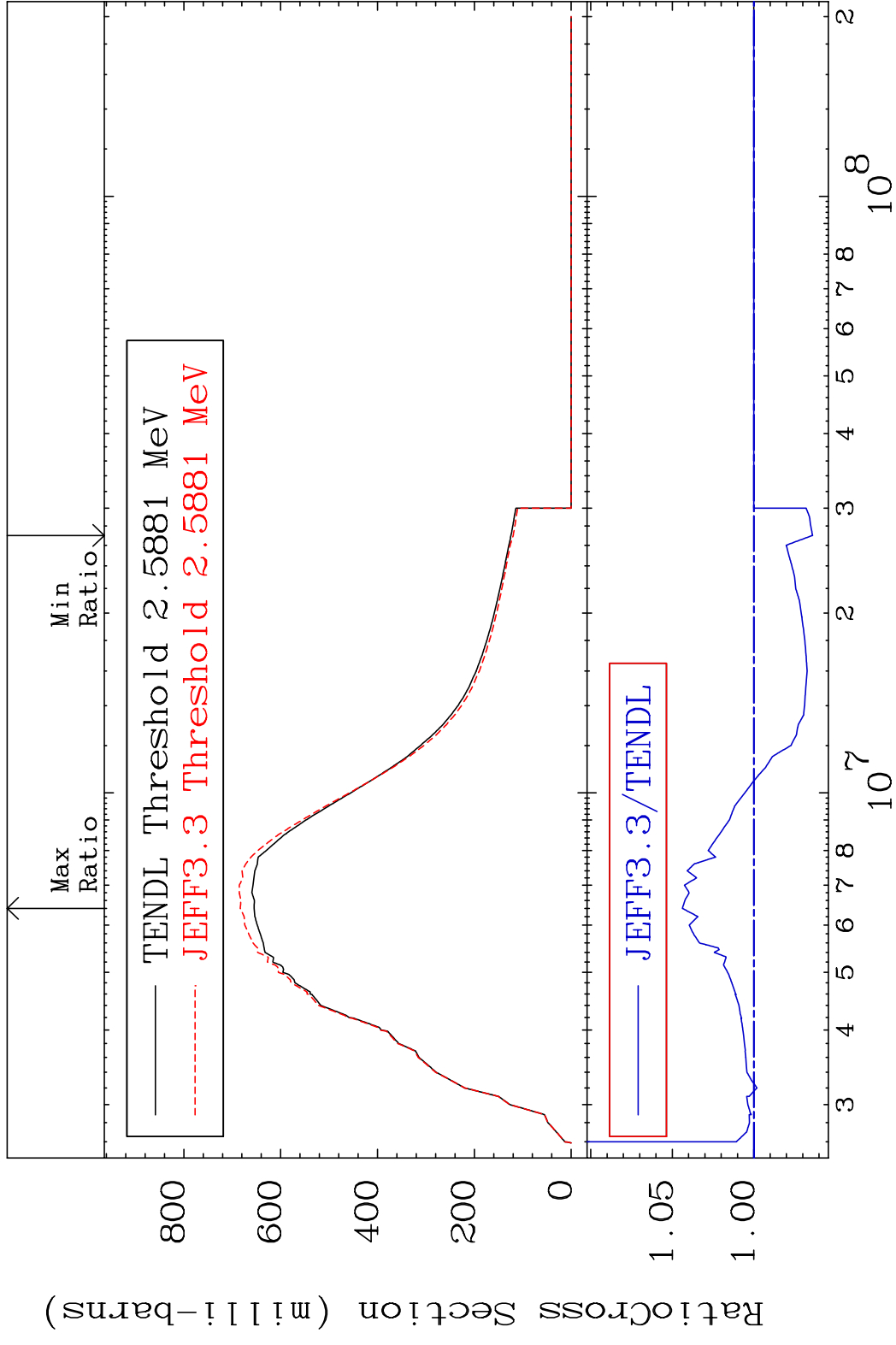


MAT 1925

Inelastic

19-K -39

Cross Section -3.601 To 4.381 %

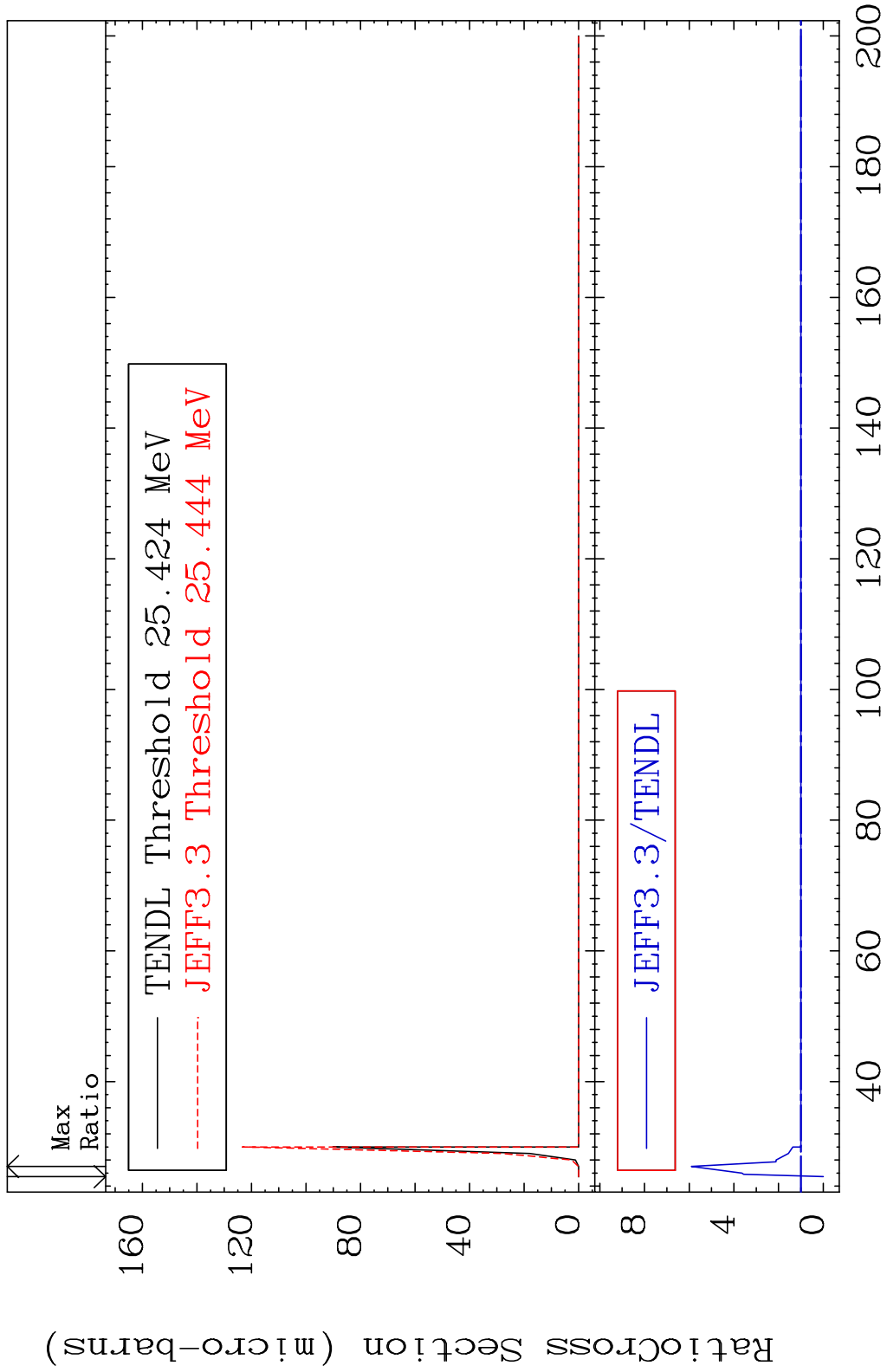


3

Incident Energy (eV)

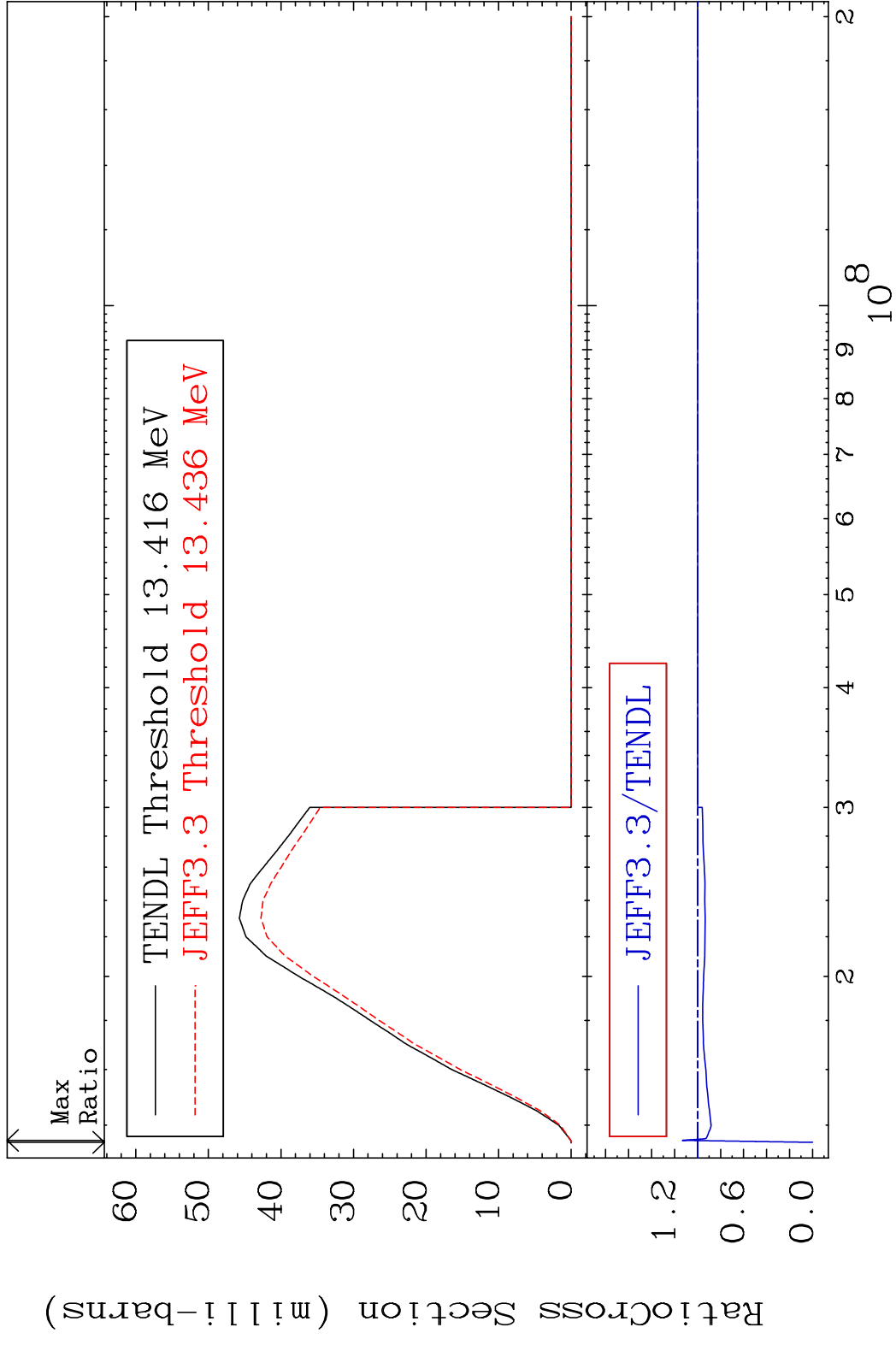
19-K -39

MAT 1925 (n,2n) d 19-K -39  
Cross Section -100.0 To 490.4 %



4 19-K -39

MAT 1925 (n,2n) 19-K -39  
 Cross Section -100.0 To 13.27 %

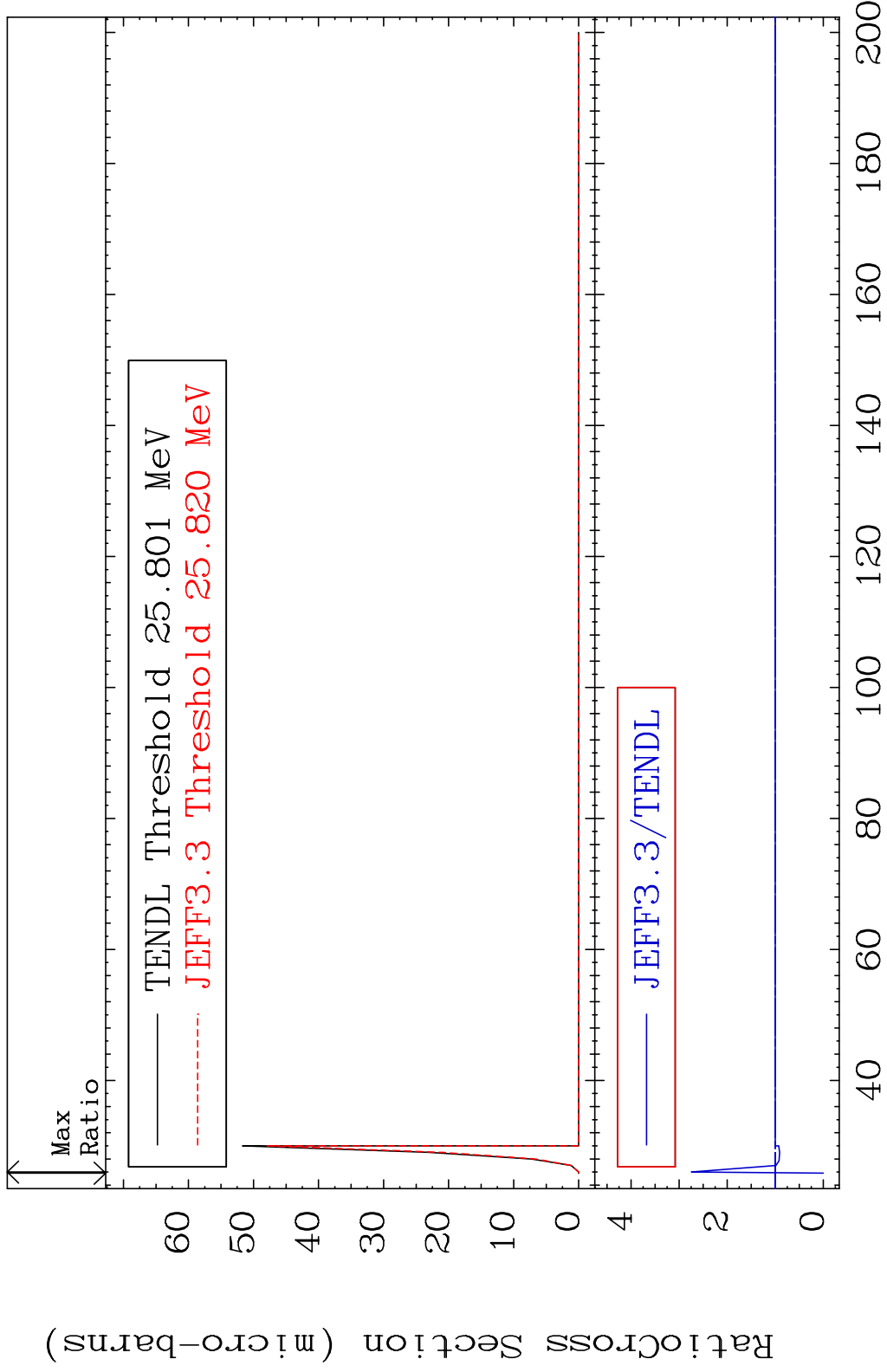


MAT 1925

(n,3n)

19-K -39

Cross Section -100.0 To 174.4 %

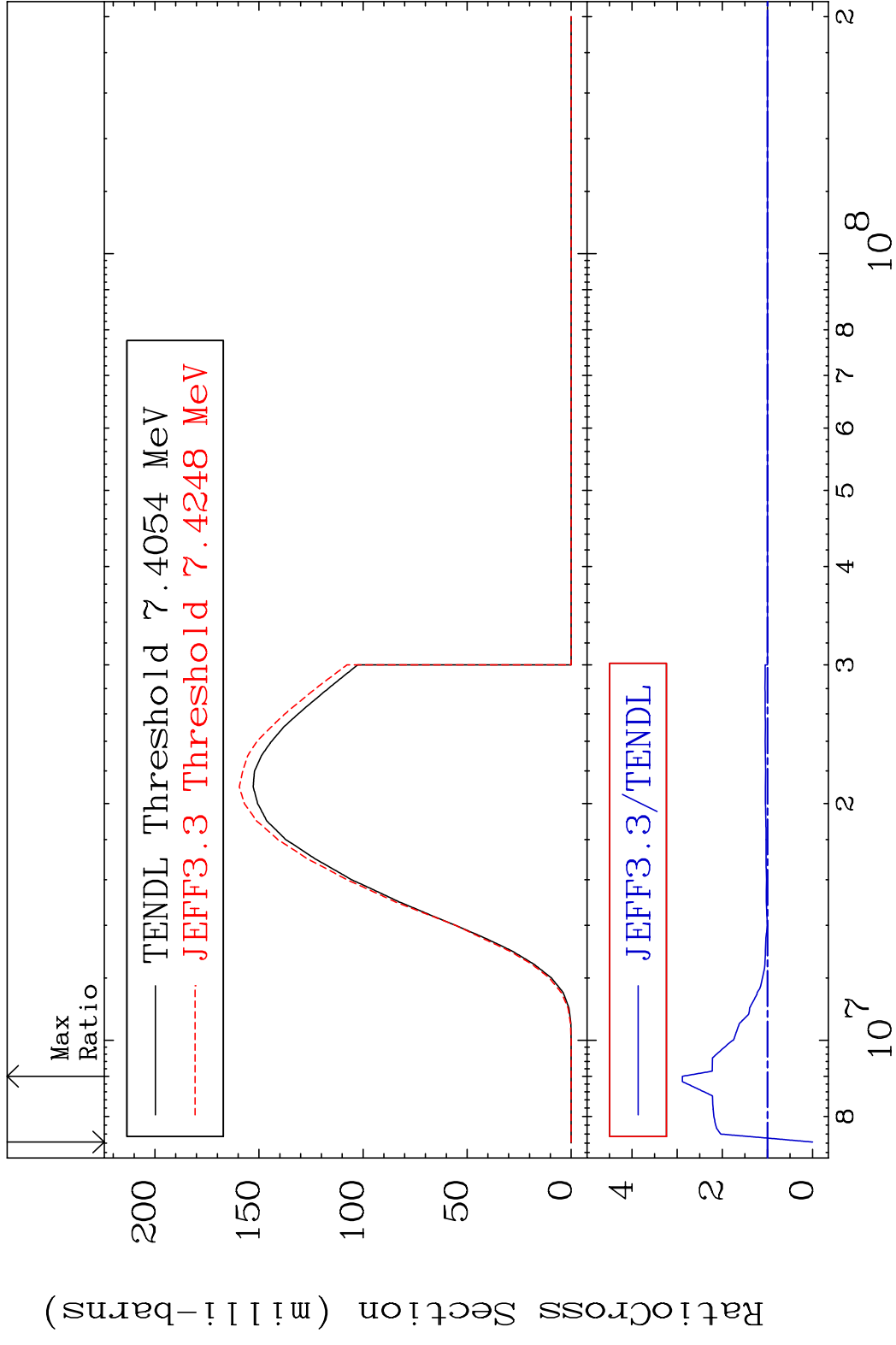


6

Incident Energy (MeV)

19-K -39

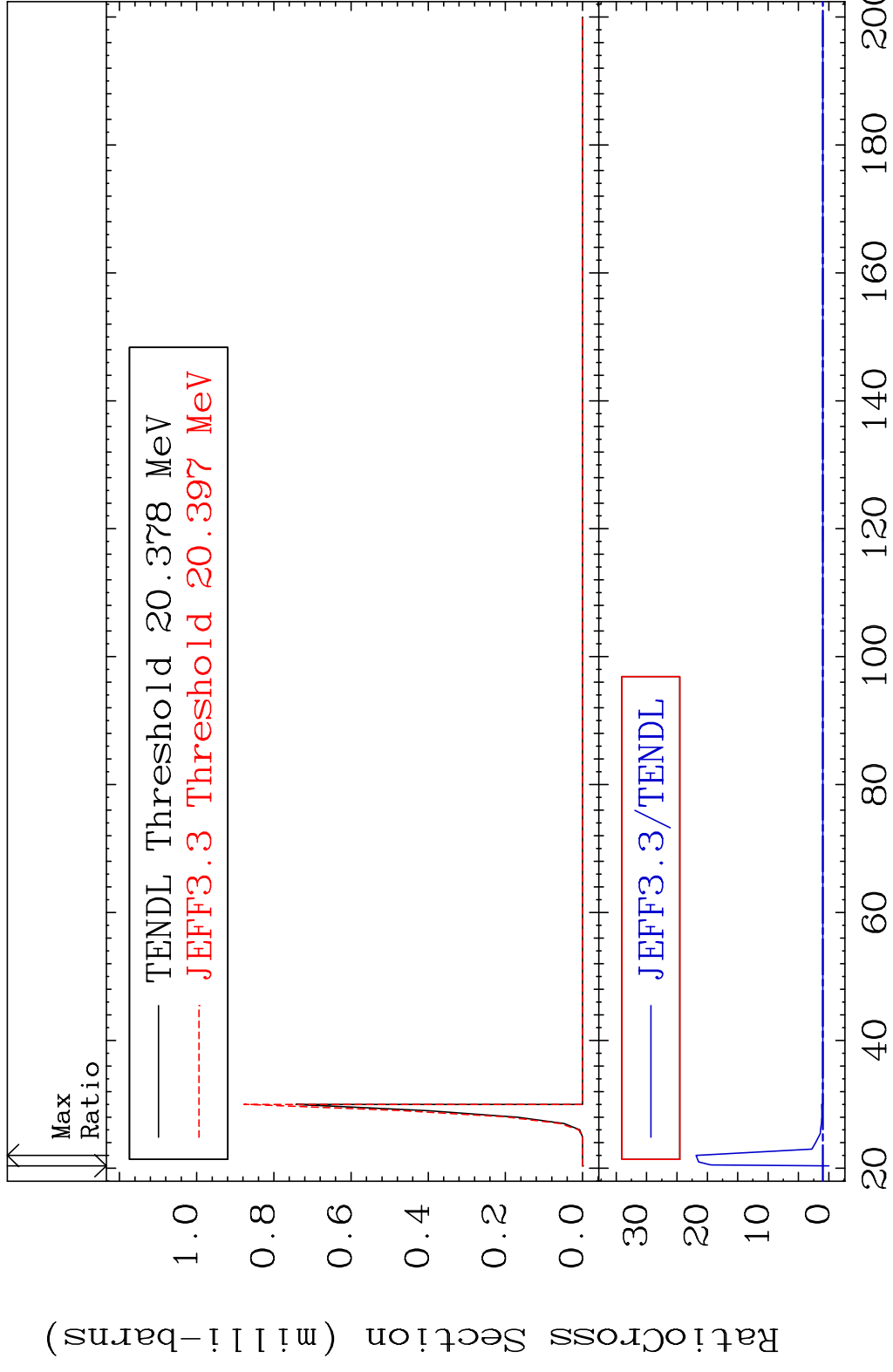
MAT 1925 (n, n')  $\alpha$  19-K -39  
 Cross Section -100.0 To 188.3 %



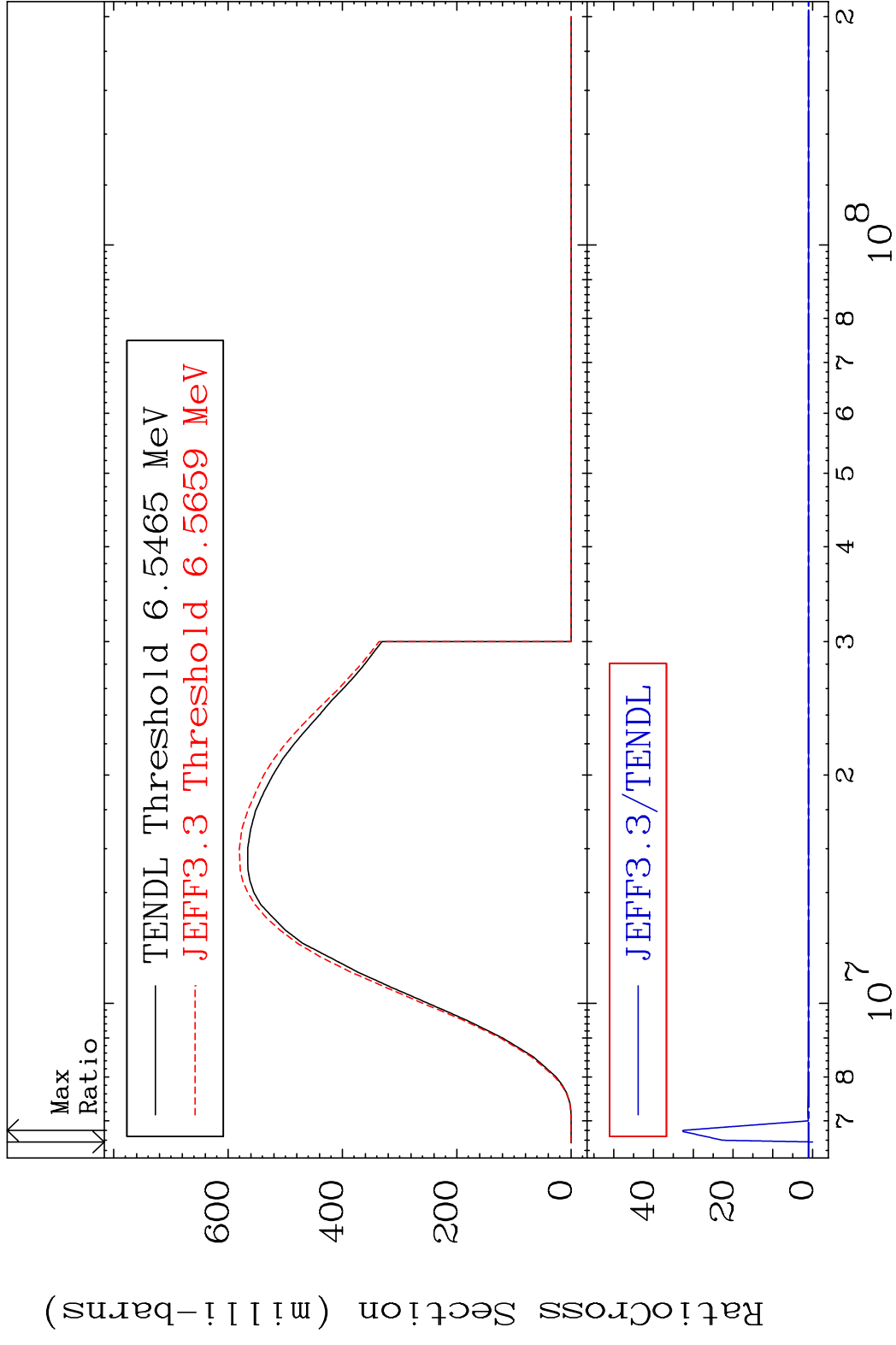
7 19-K -39



MAT 1925 (n,2n)  $\alpha$  19-K -39  
 Cross Section -100.0 To 2087. %



MAT 1925 (n, n') p 19-K -39  
 Cross Section -100.0 To 3174. %

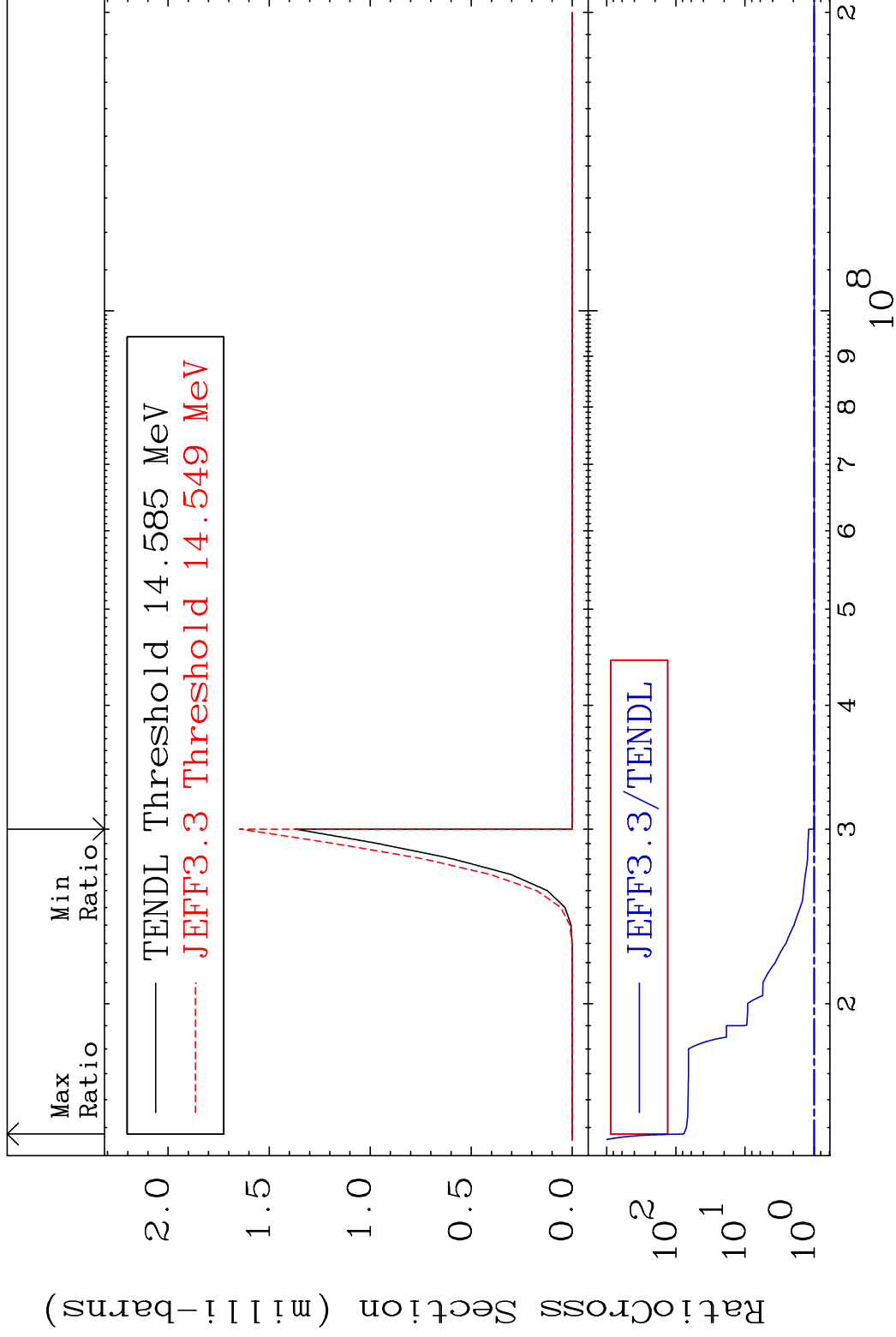


MAT 1925

(n, n') 2α

19-K -39

Cross Section 0.000 To 7612. %

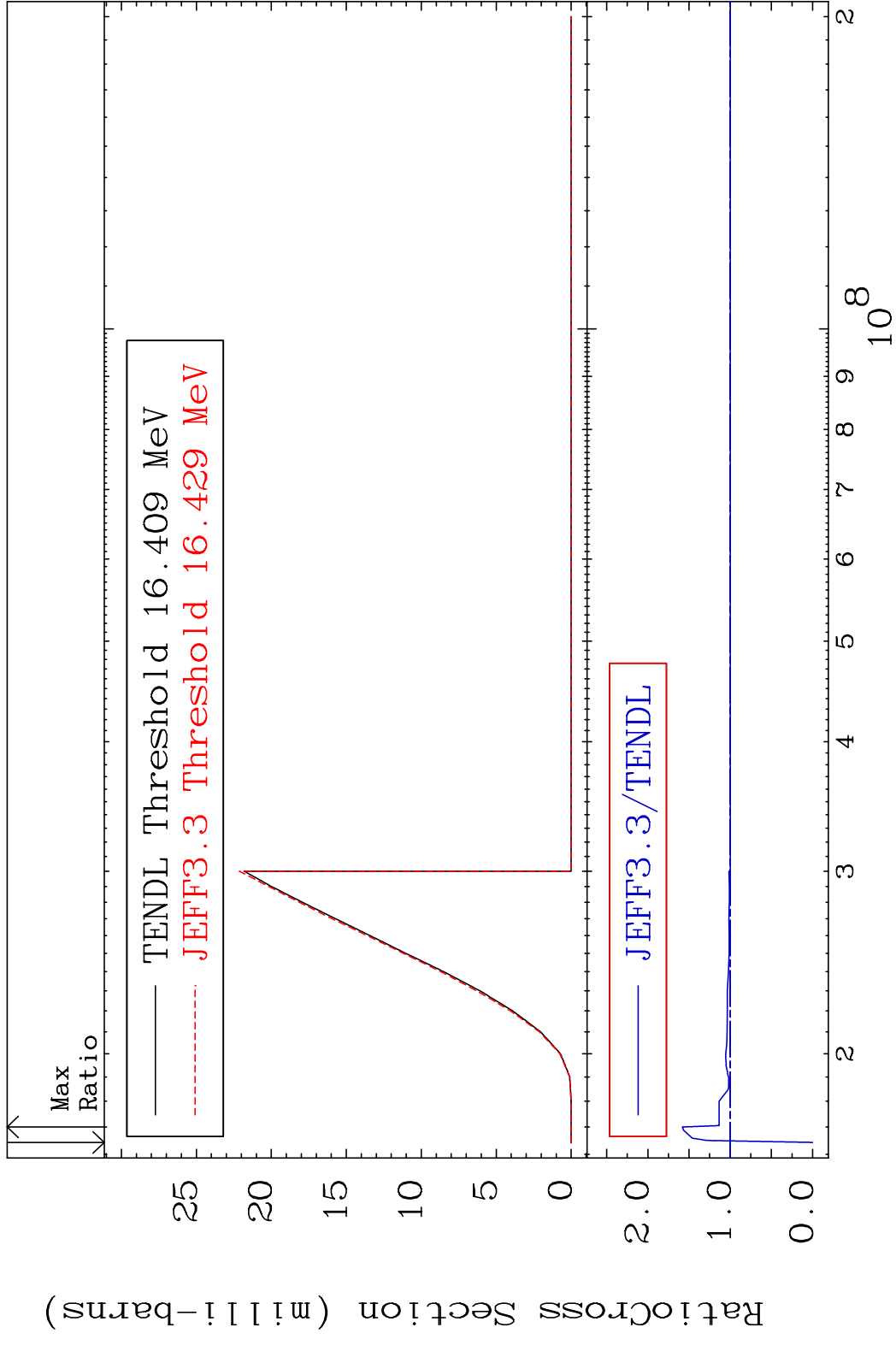


10

Incident Energy (eV)

19-K -39

MAT 1925 (n, n') d 19-K -39  
 Cross Section -100.0 To 58.13 %

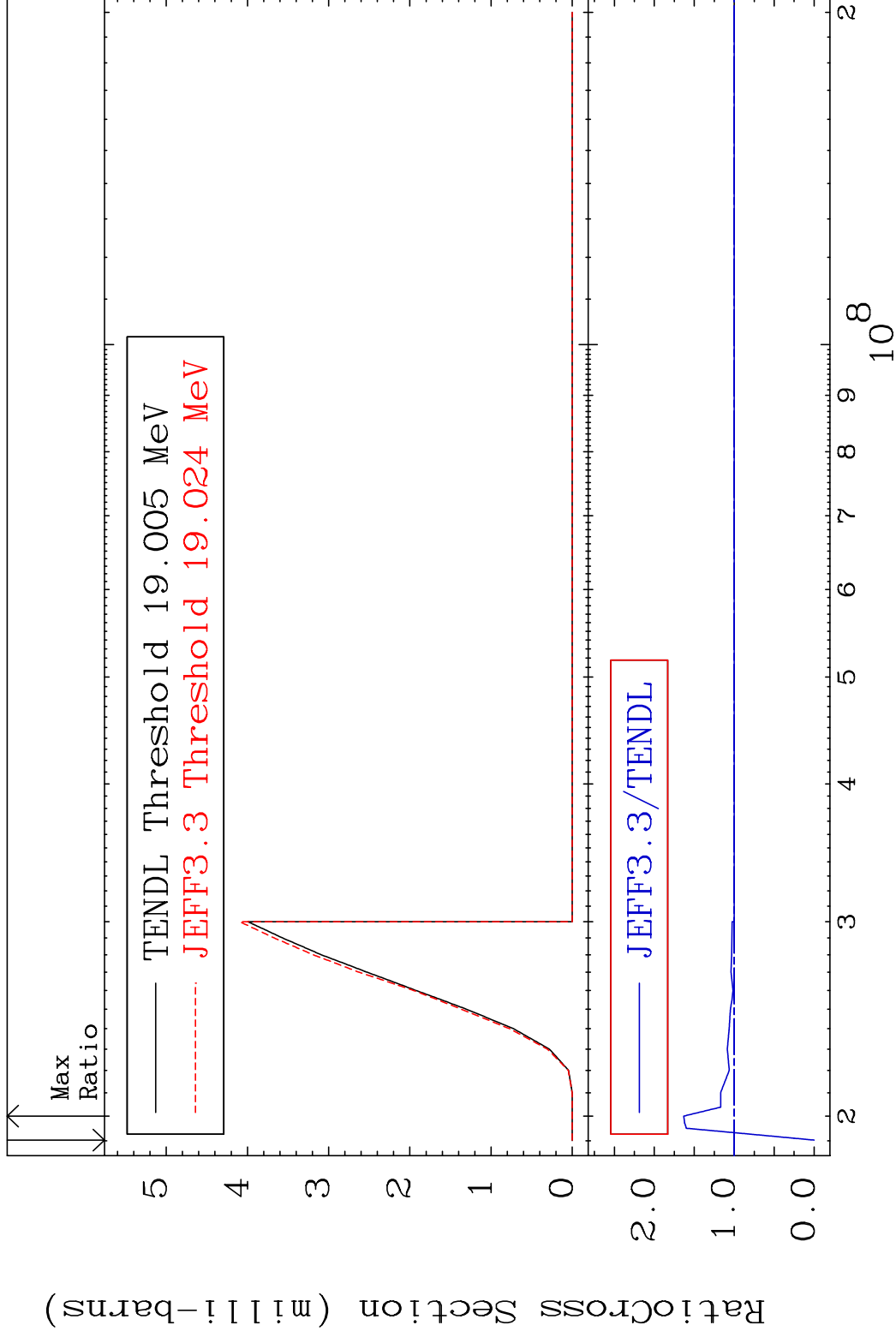


MAT 1925

(n, n') t

19-K -39

Cross Section -100.0 To 63.29 %

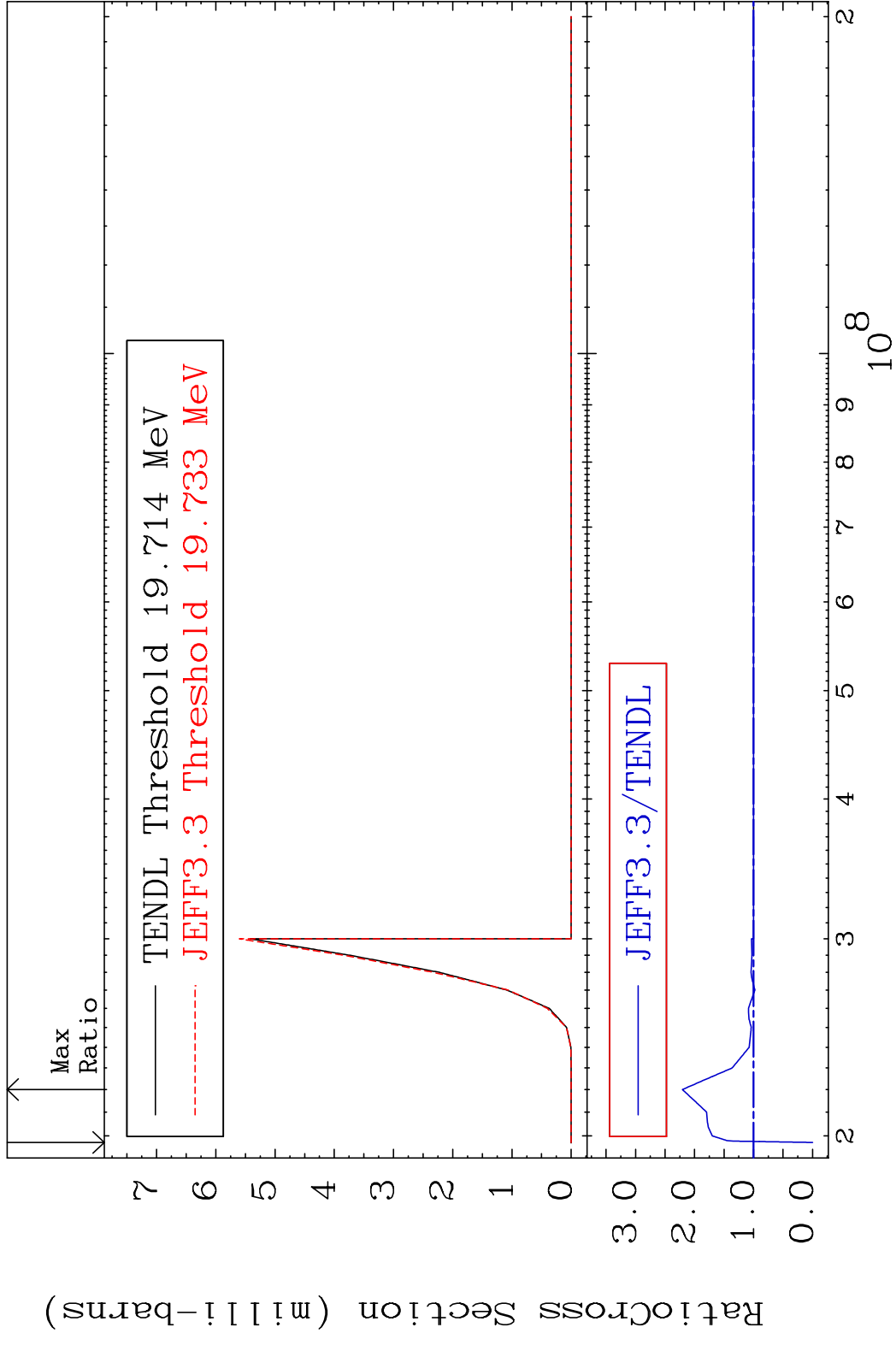


12

Incident Energy (eV)

19-K -39

MAT 1925 (n,n') He-3 19-K -39  
 Cross Section -100.0 To 120.7 %

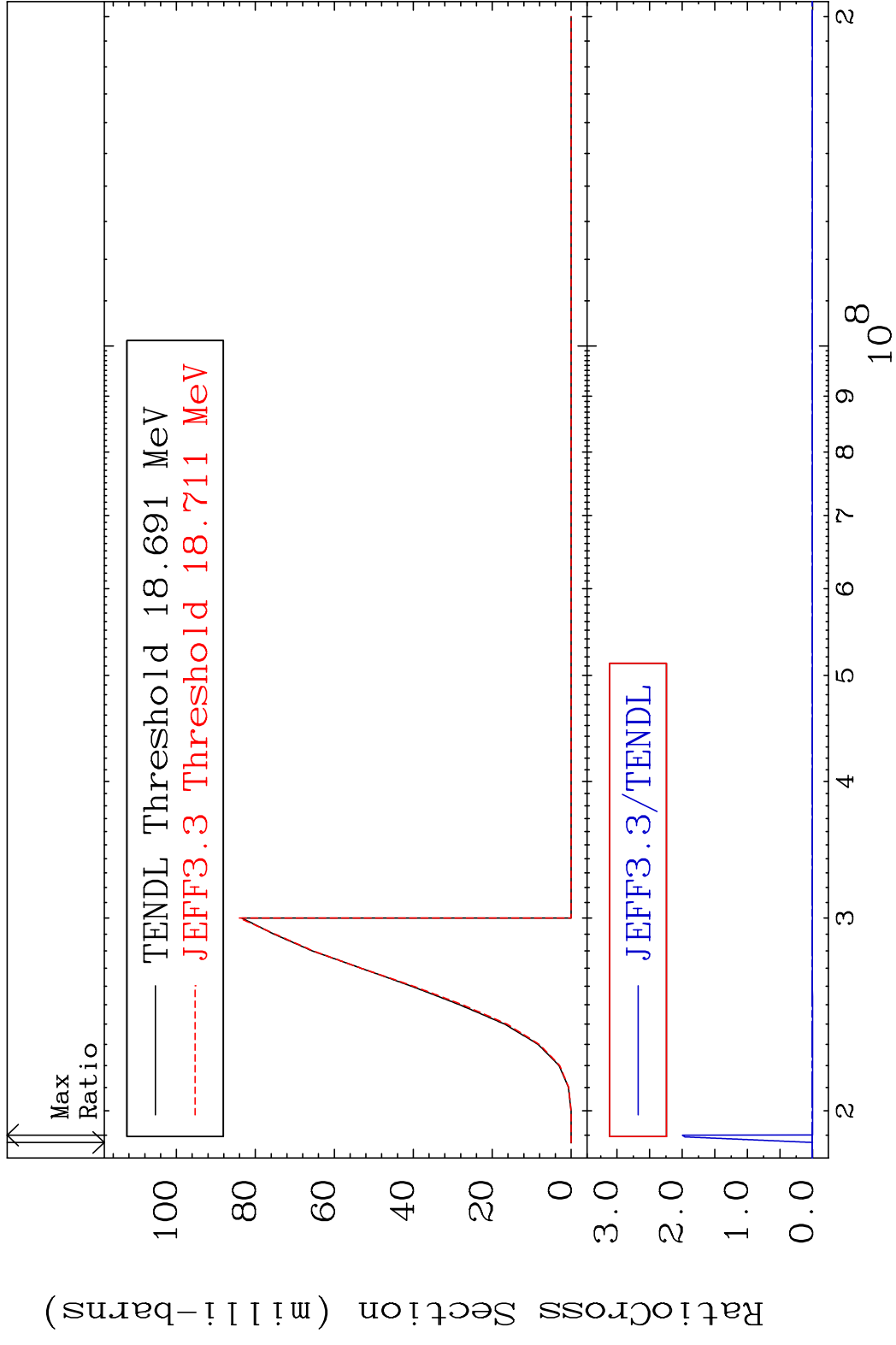


MAT 1925

(n,2n) p

19-K -39

Cross Section -100.0 To 9999. %

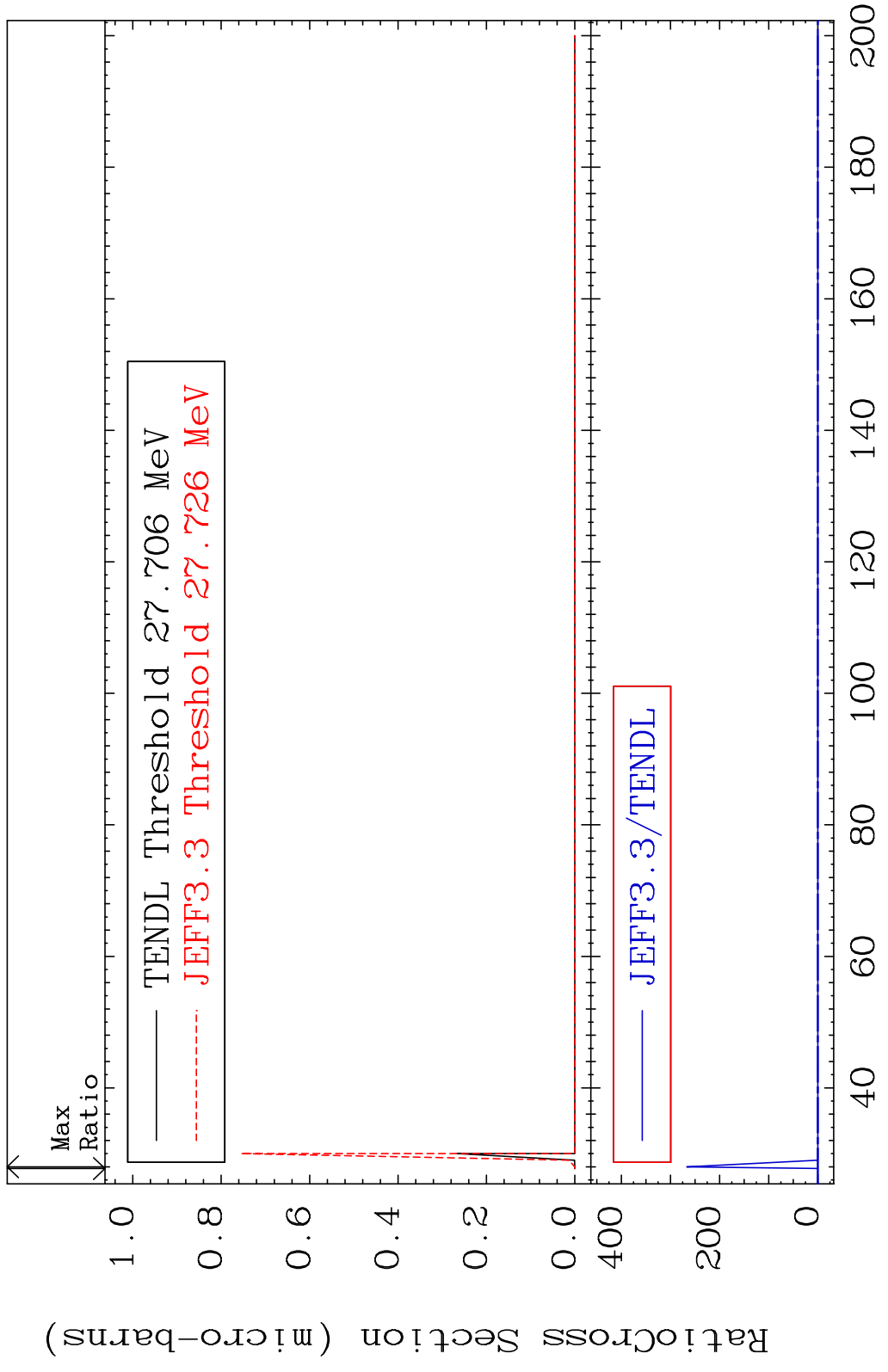


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Incident Energy (eV)

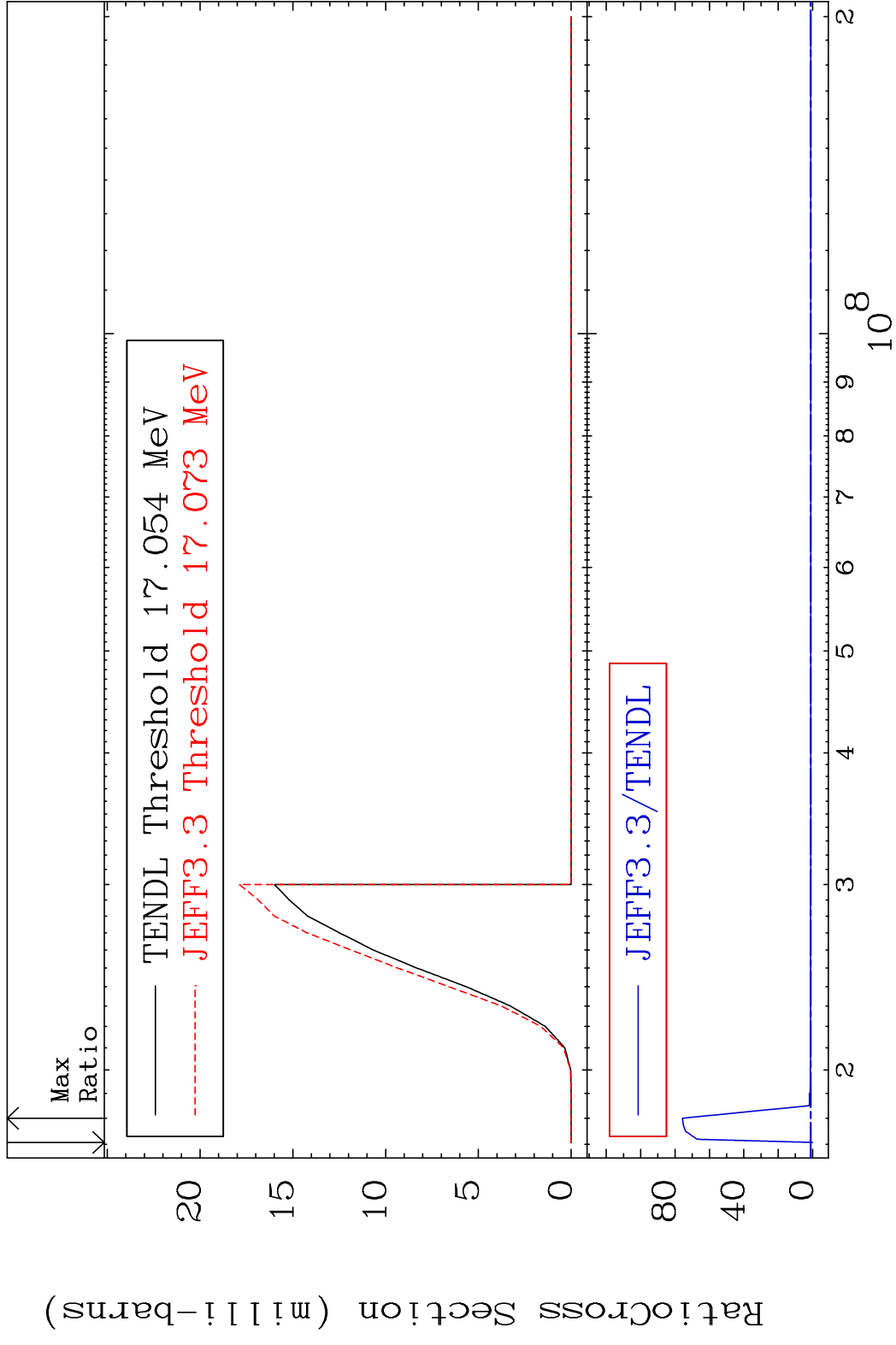
19-K -39

MAT 1925 (n,3n) p 19-K -39  
 Cross Section -100.0 To 9999. %

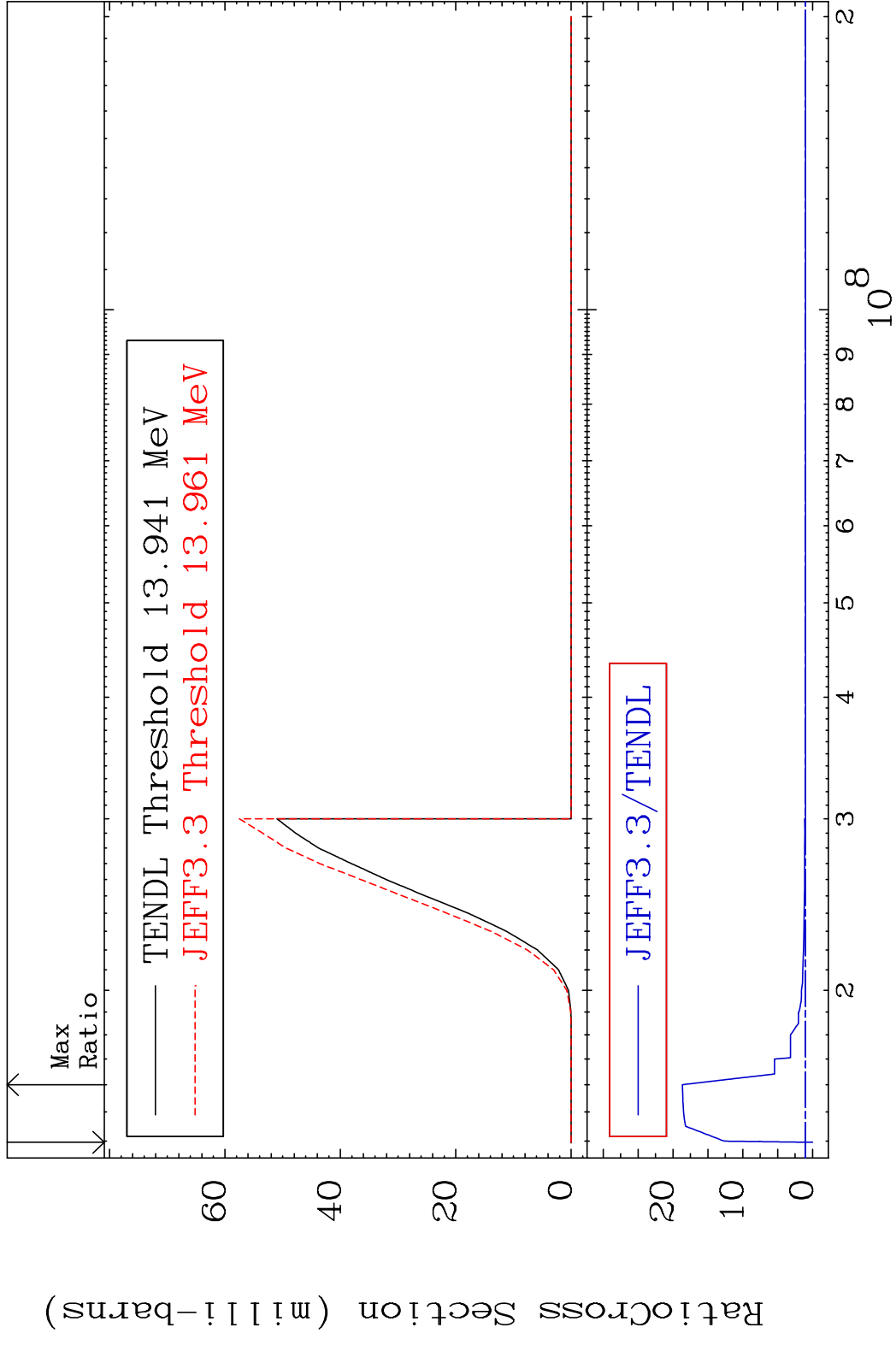




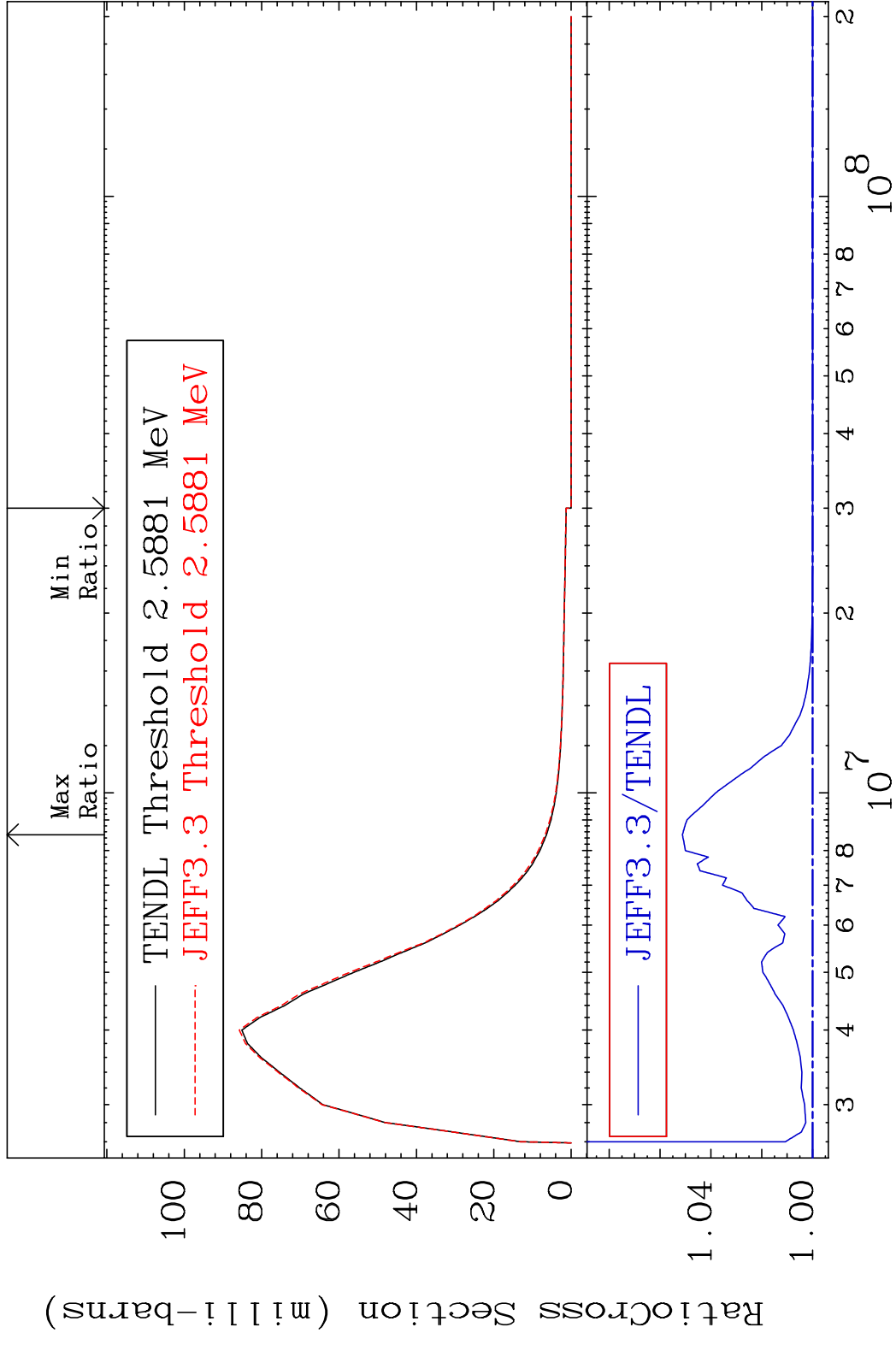
MAT 1925 (n,2n) p 19-K -39  
 Cross Section -100.0 To 7475. %



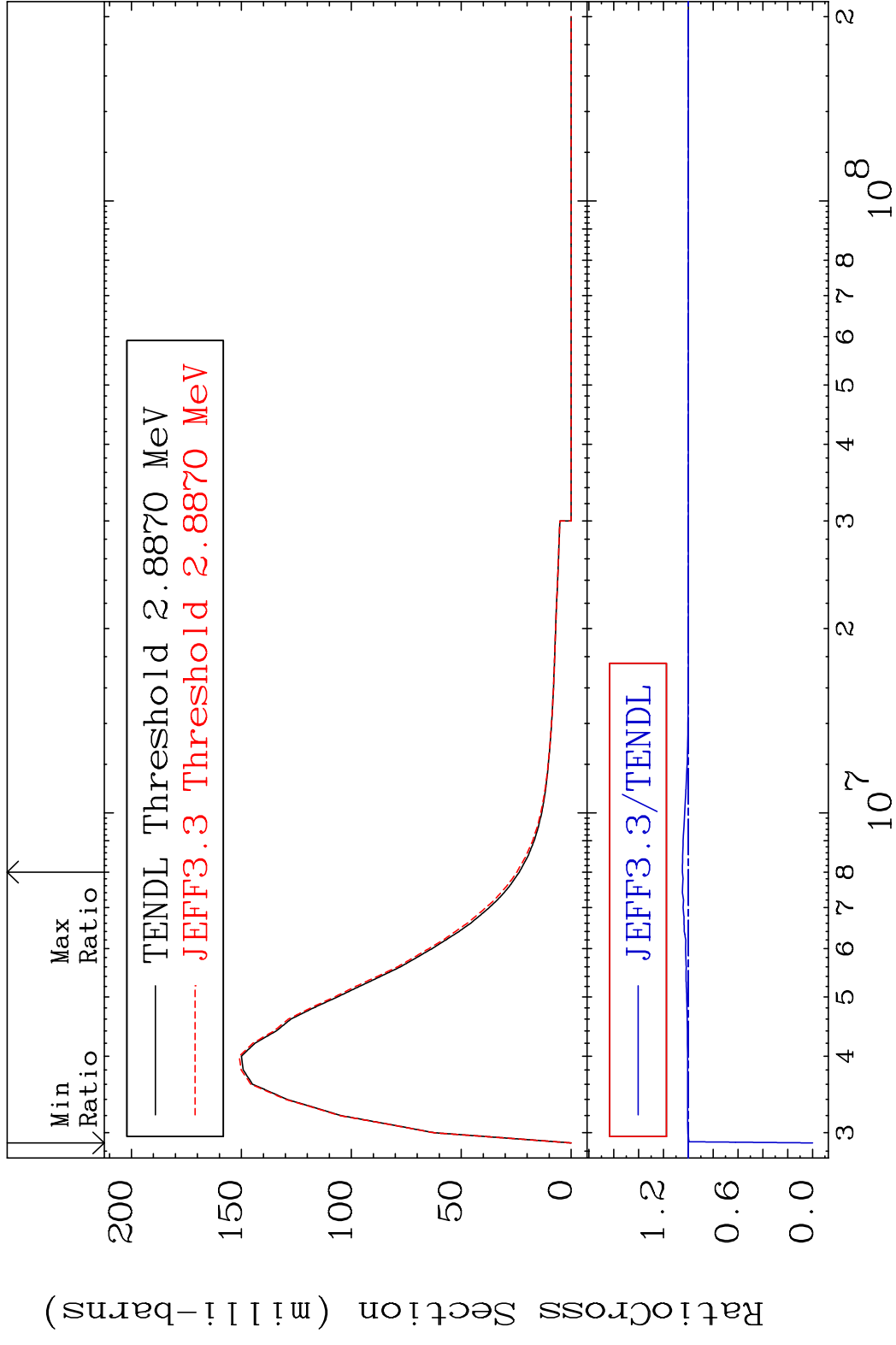
MAT 1925 (n,n') p α 19-K -39  
 Cross Section -100.0 To 1766. %



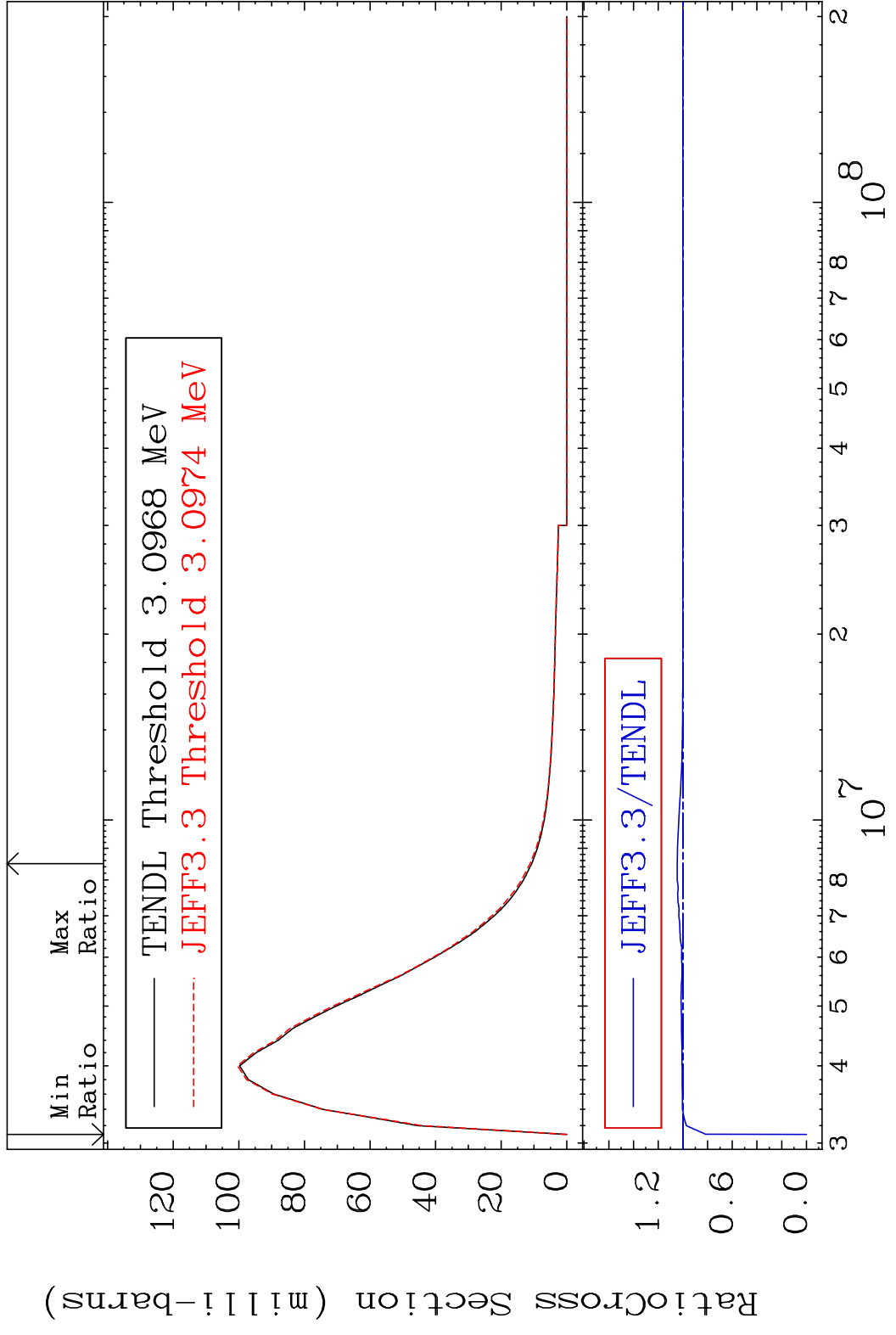
MAT 1925 MT= 51 (n, n') Level 19-K -39  
 Cross Section 0.000 To 5.121 %



MAT 1925 MT= 52 (n, n') Level 19-K -39  
 Cross Section -100.0 To 4.813 %

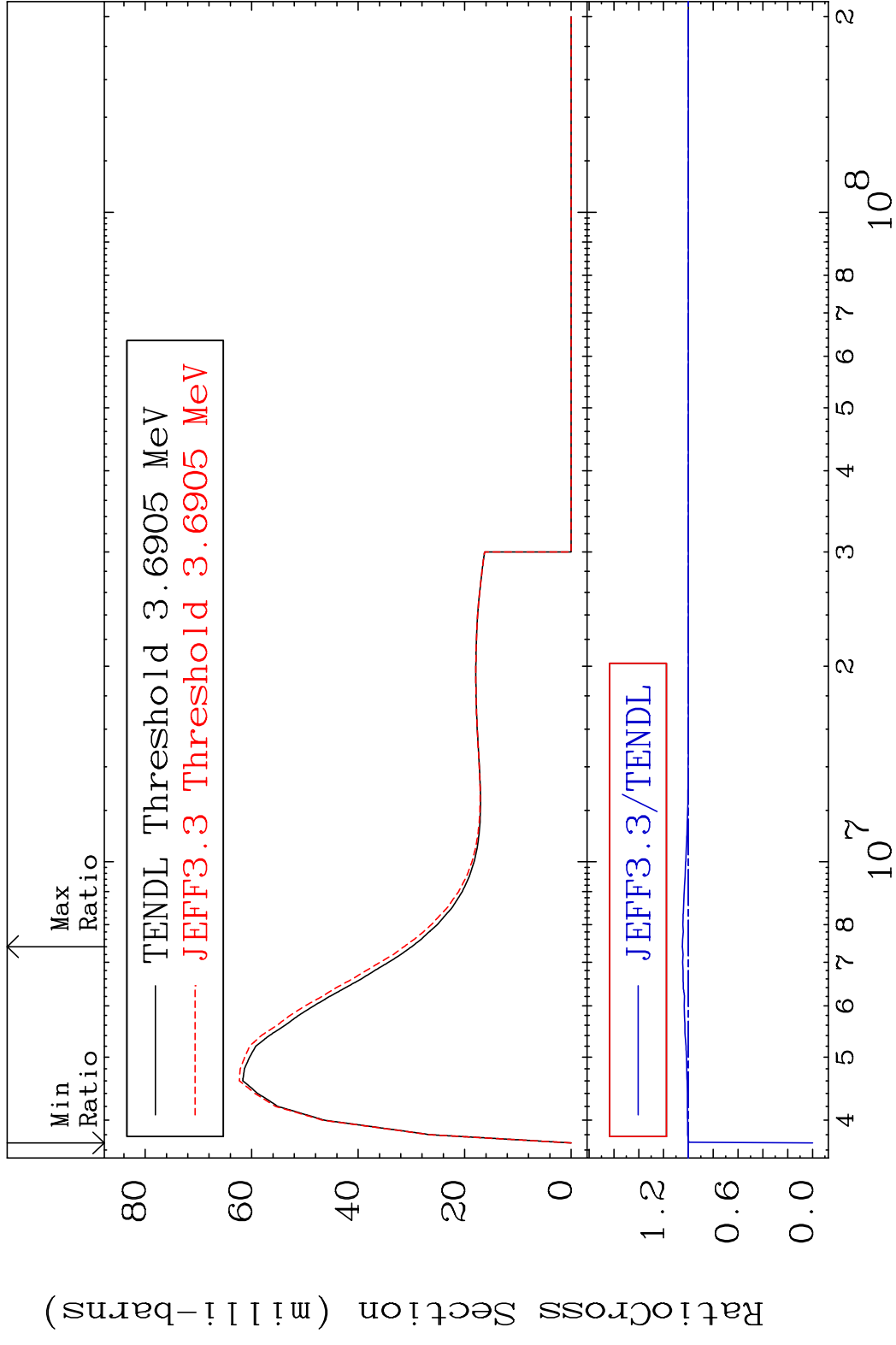


MAT 1925 MT= 53 (n, n') Level 19-K -39  
 Cross Section -100.0 To 4.612 %

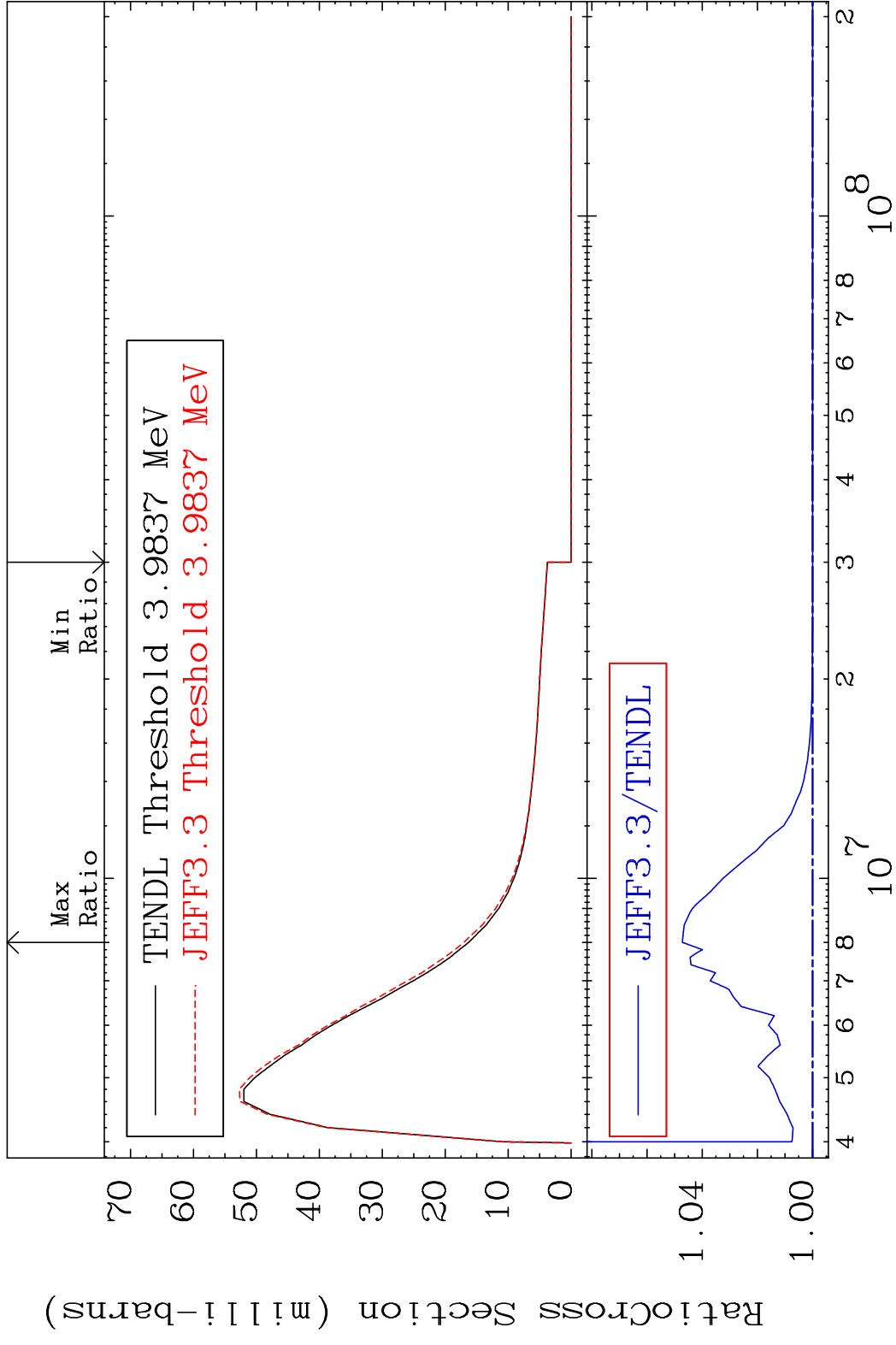


20 19-K -39

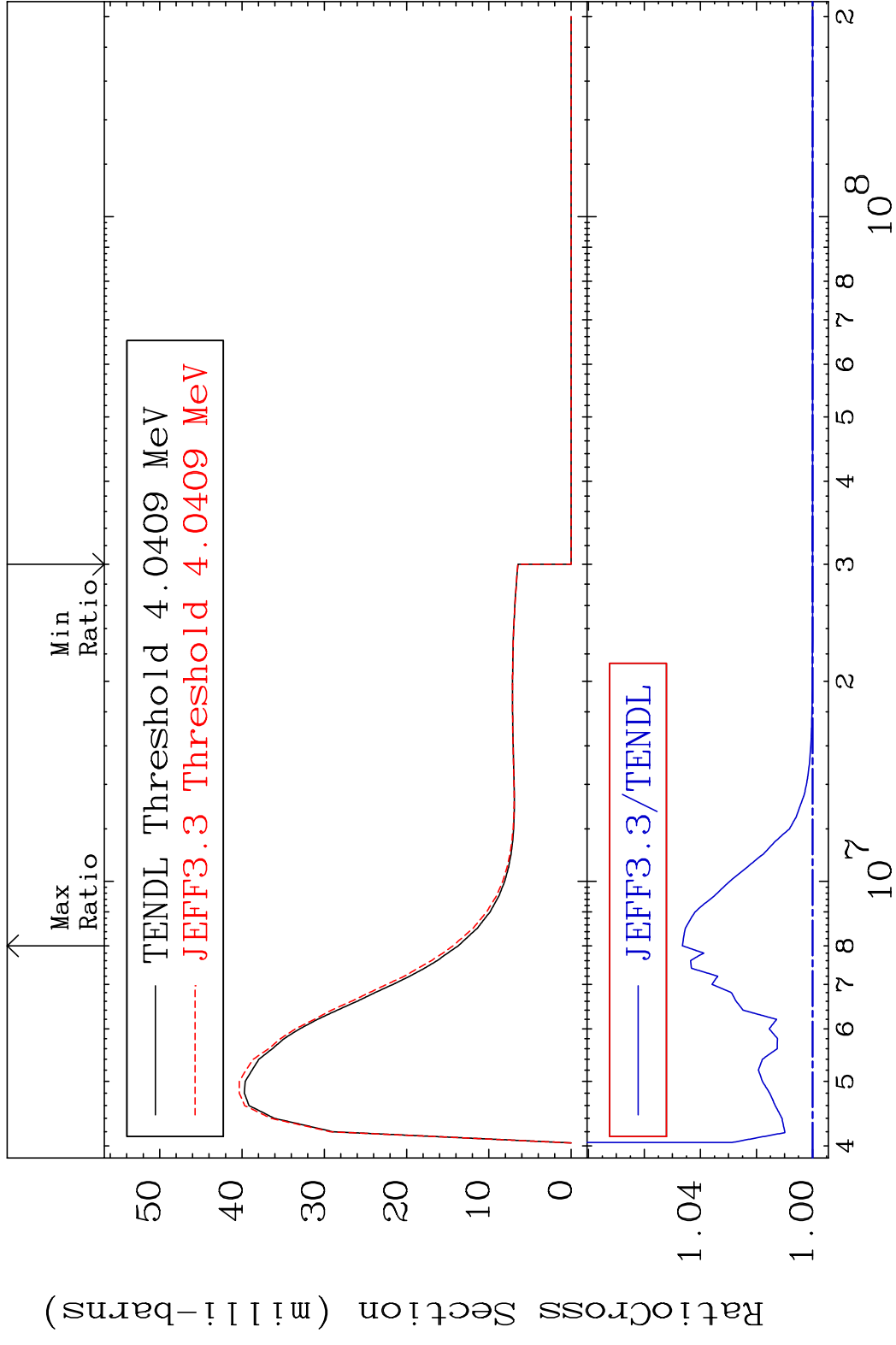
MAT 1925 MT= 54 (n,n') Level 19-K -39  
 Cross Section -100.0 To 4.861 %



MAT 1925 MT= 55 (n,n') Level 19-K -39  
 Cross Section 0.000 To 4.720 %

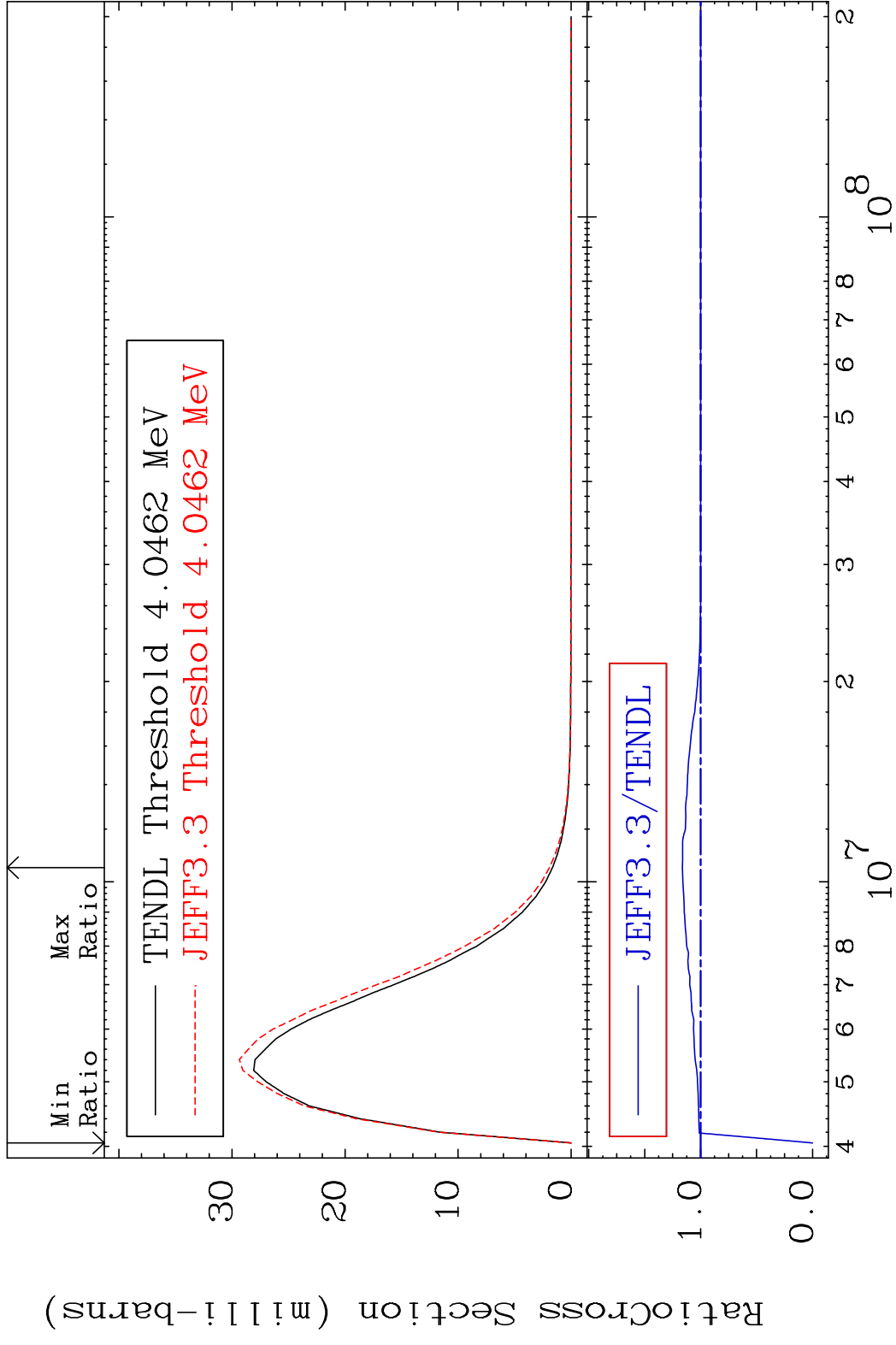


MAT 1925 MT= 56 (n, n') Level 19-K -39  
 Cross Section 0.000 To 4.645 %

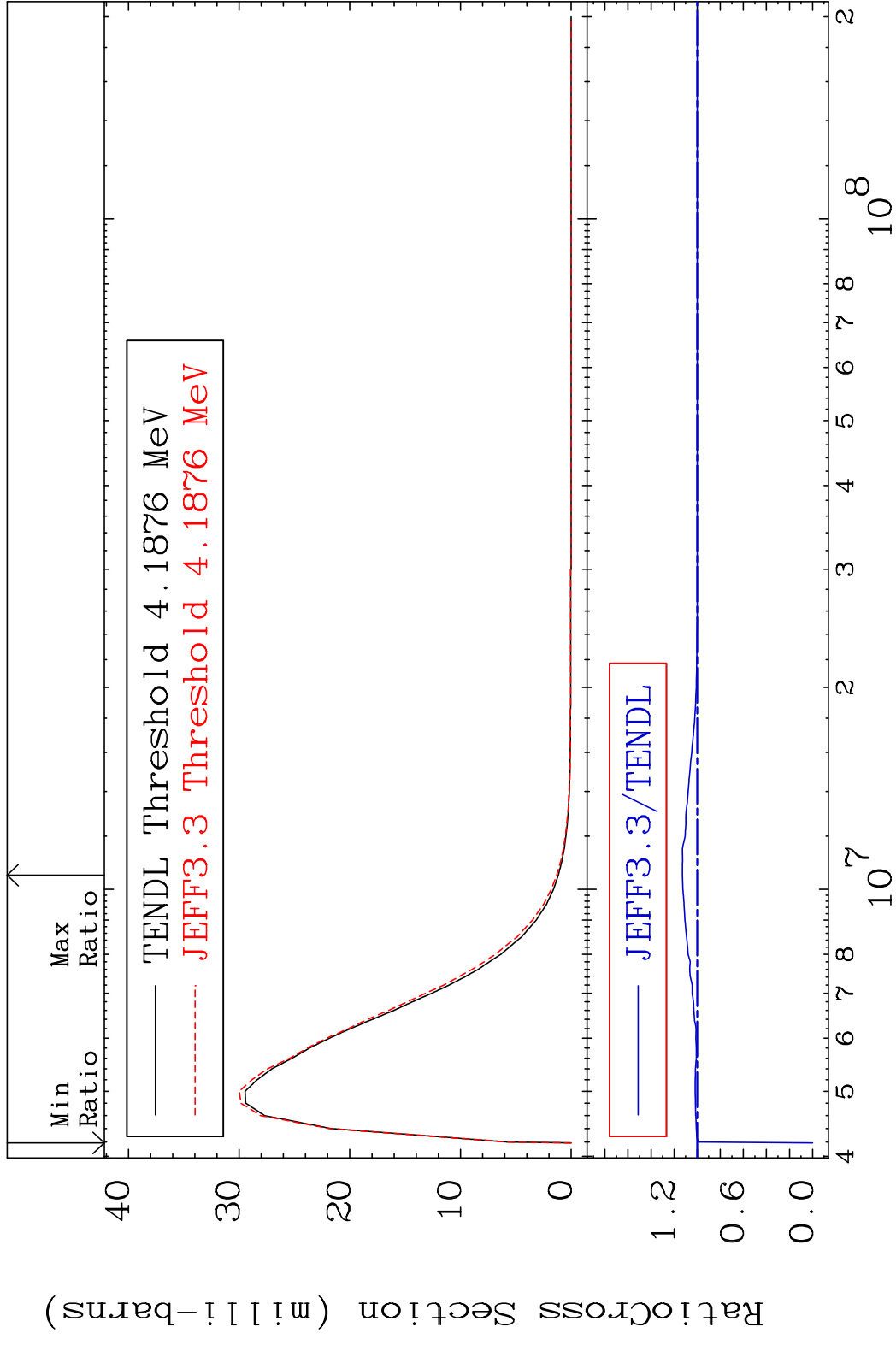




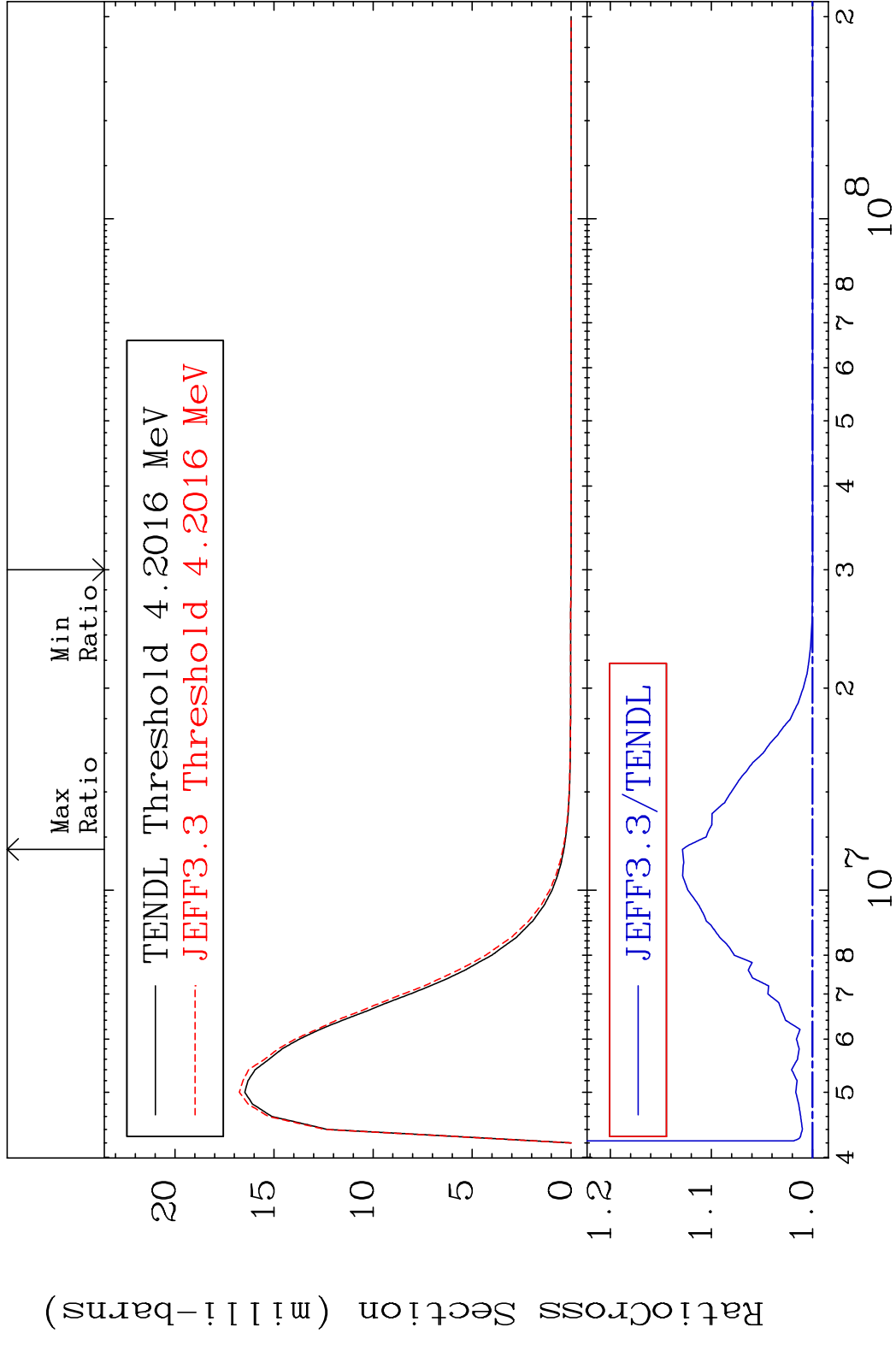
MAT 1925 MT= 57 (n,n') Level 19-K -39  
 Cross Section -100.0 To 16.35 %



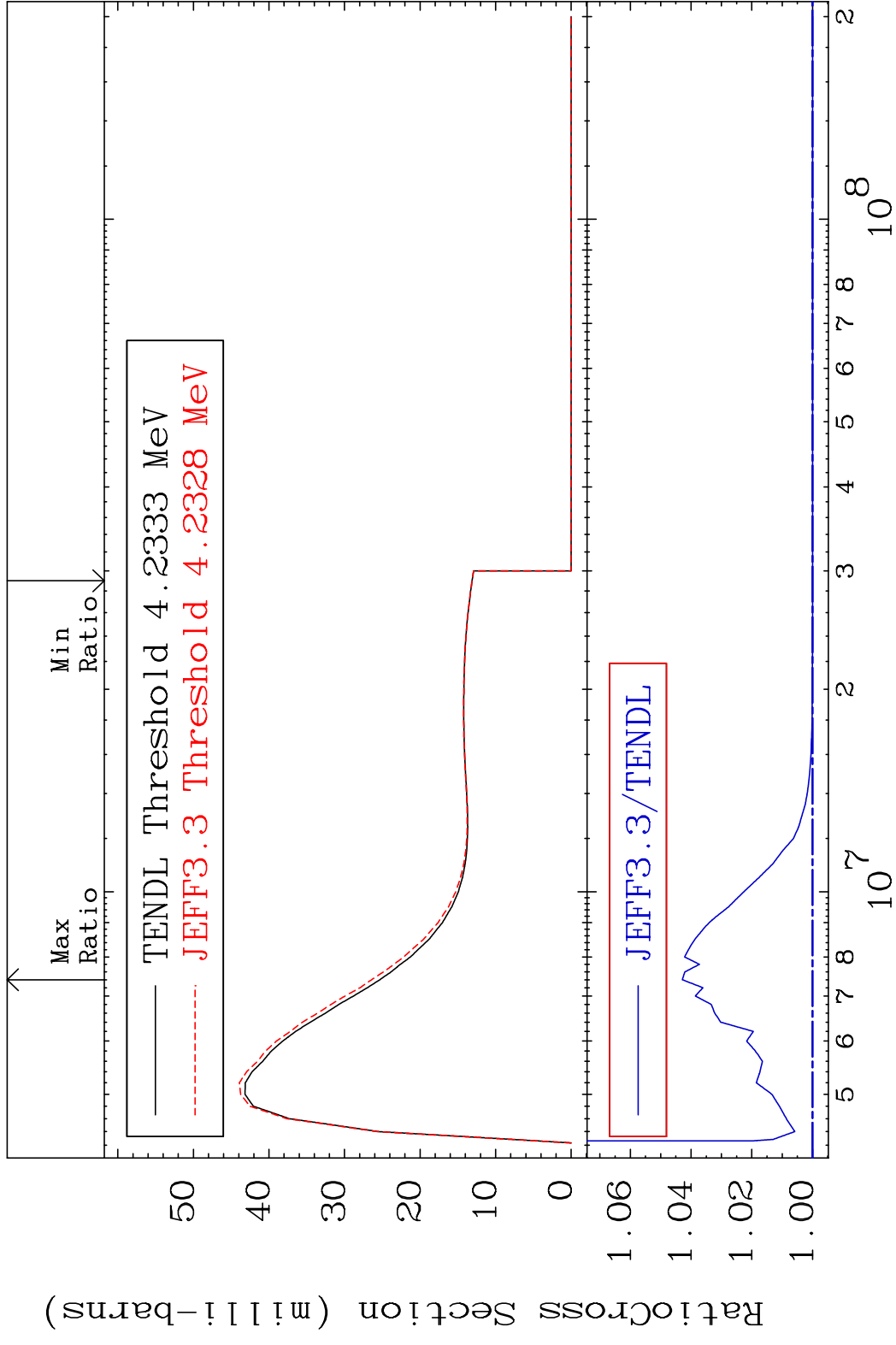
MAT 1925 MT= 58 (n, n') Level 19-K -39  
 Cross Section -100.0 To 12.85 %



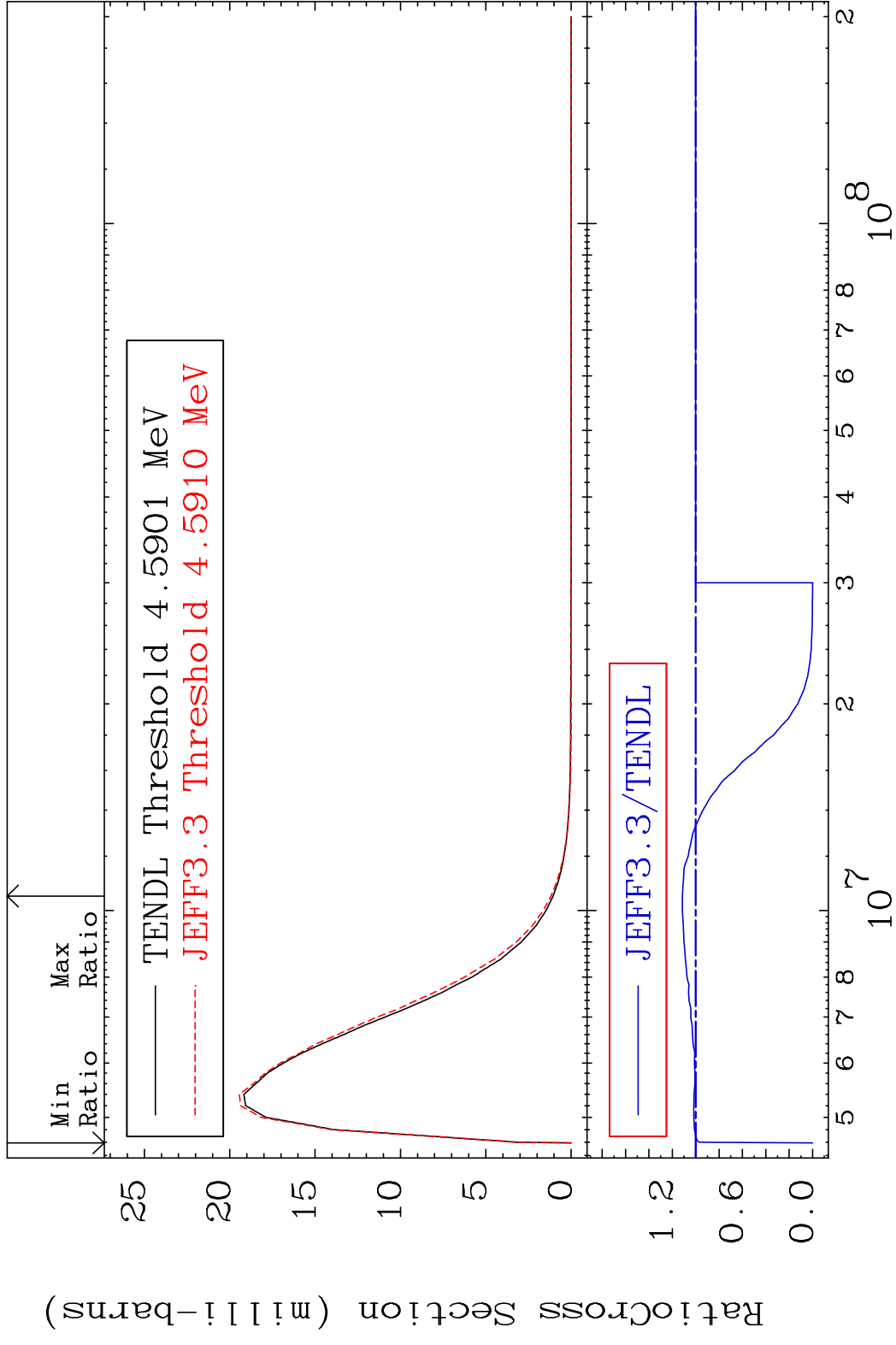
MAT 1925 MT= 59 (n, n') Level 19-K -39  
 Cross Section 0.000 To 12.87 %



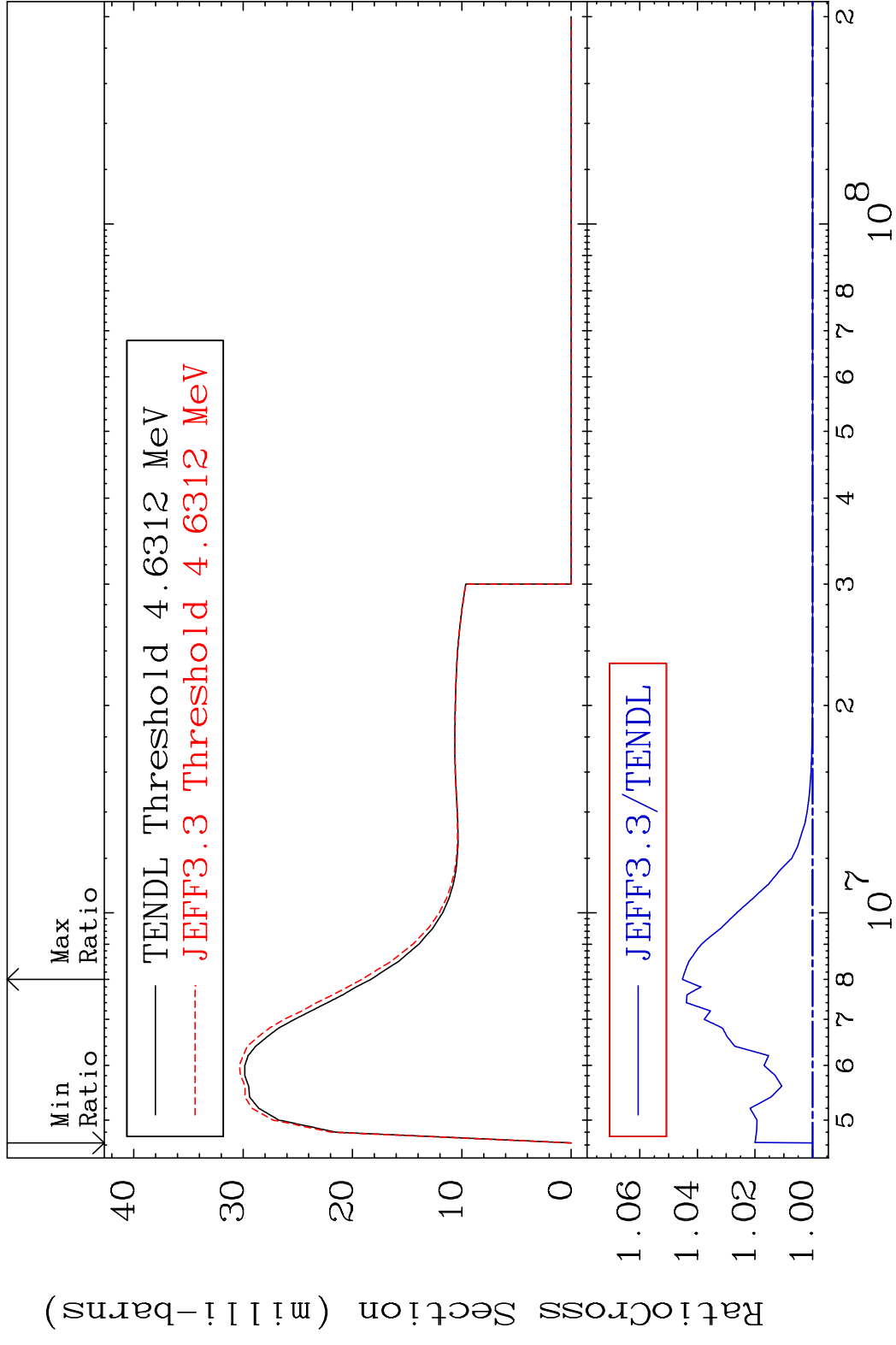
MAT 1925 MT= 60 (n, n') Level 19-K -39  
 Cross Section 0.000 To 4.286 %



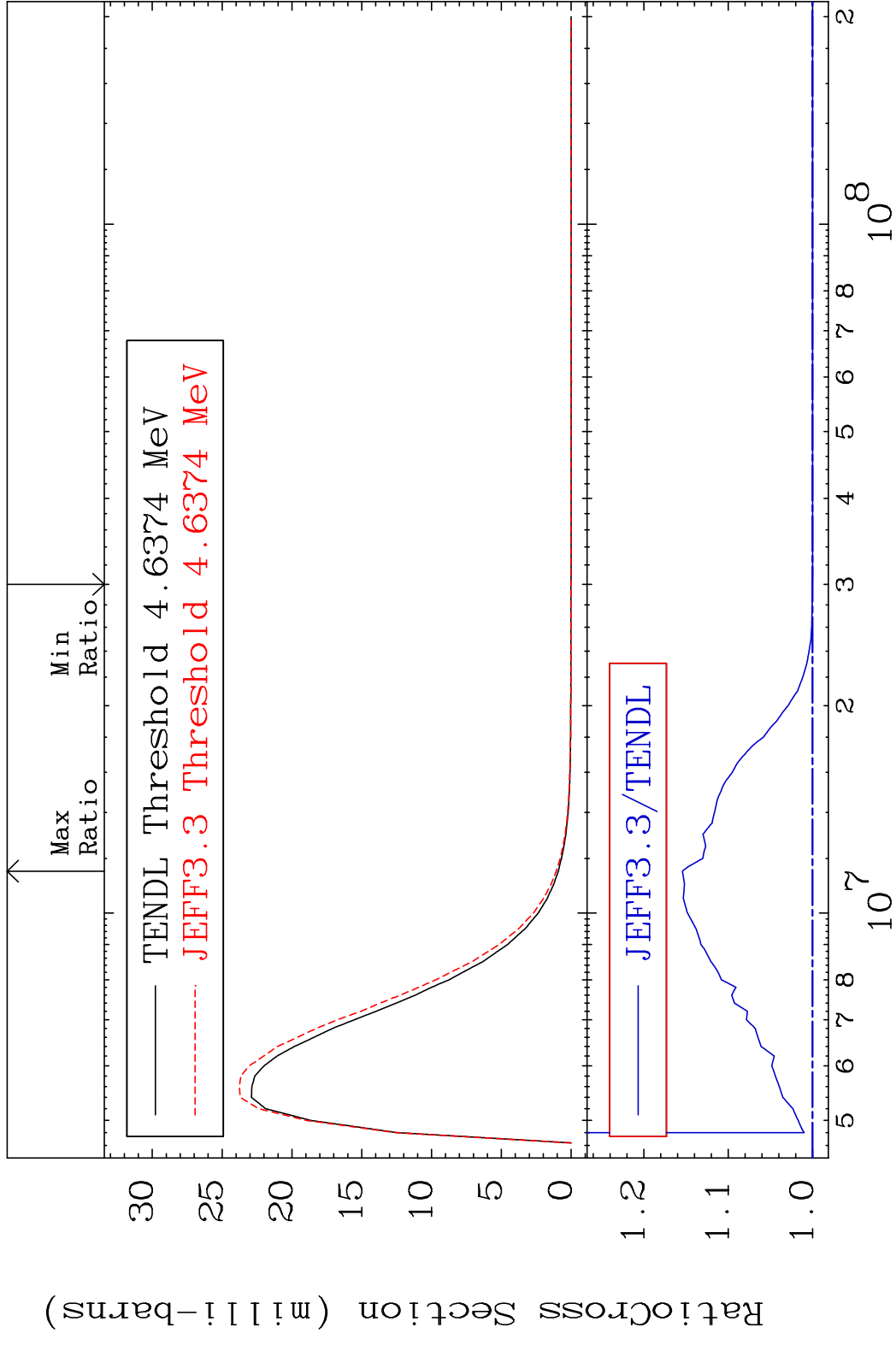
MAT 1925 MT= 61 (n,n') Level 19-K -39  
 Cross Section -100.0 To 11.42 %



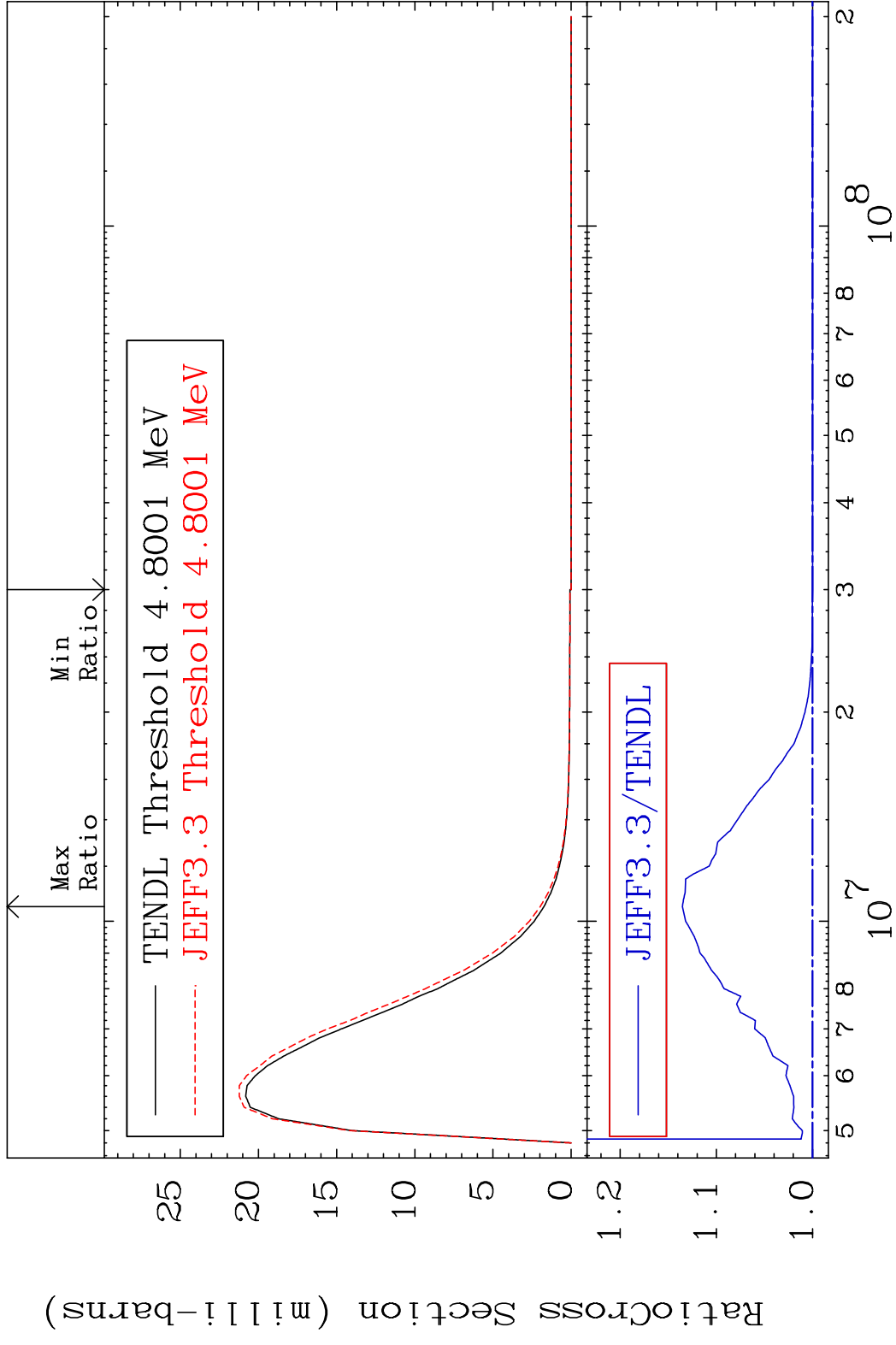
MAT 1925 MT= 62 (n, n') Level 19-K -39  
 Cross Section 0.000 To 4.523 %



MAT 1925 MT= 63 (n, n') Level 19-K -39  
 Cross Section 0.000 To 15.43 %

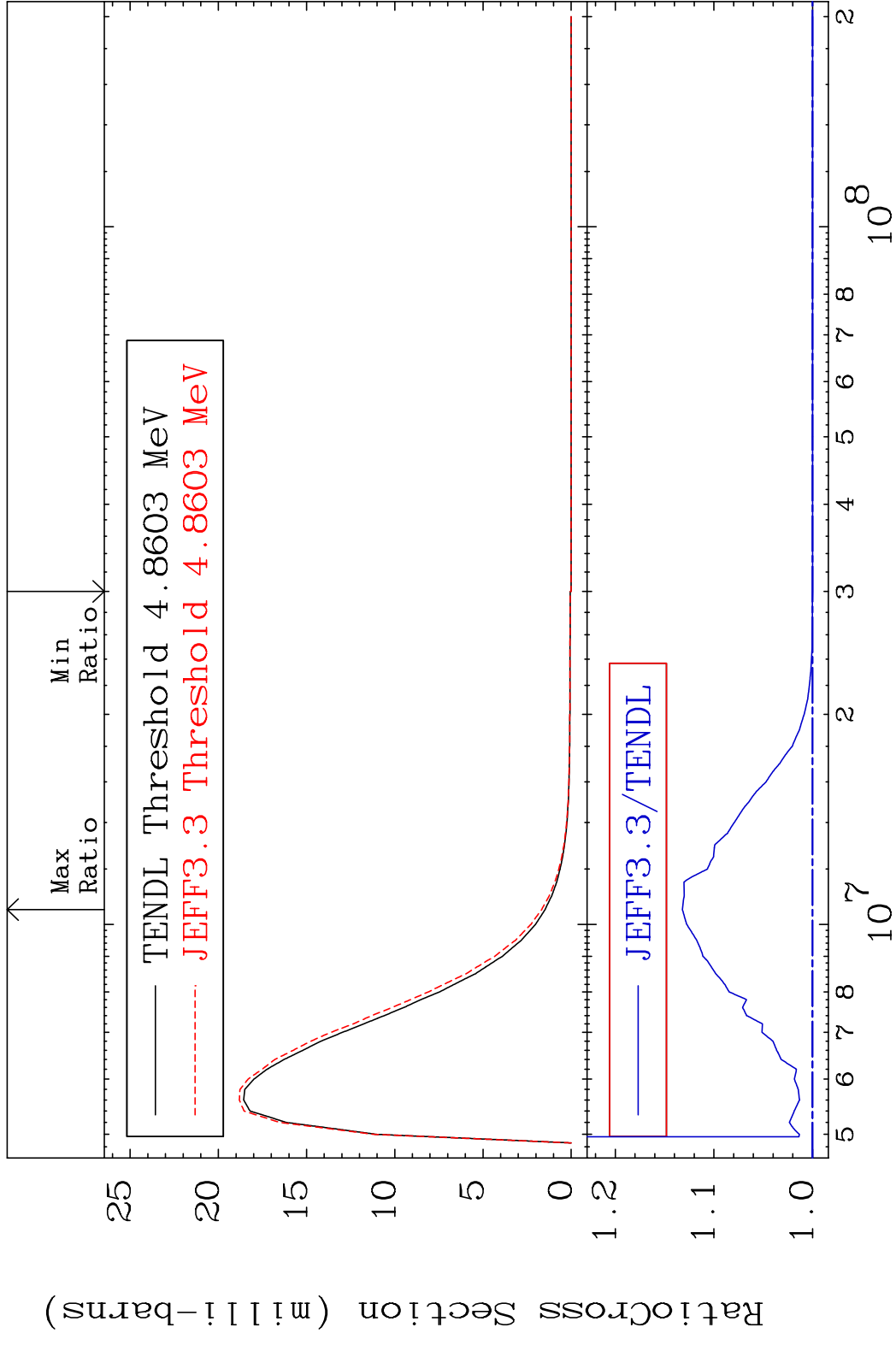


MAT 1925 MT= 64 (n, n') Level 19-K -39  
 Cross Section 0.000 To 13.54 %

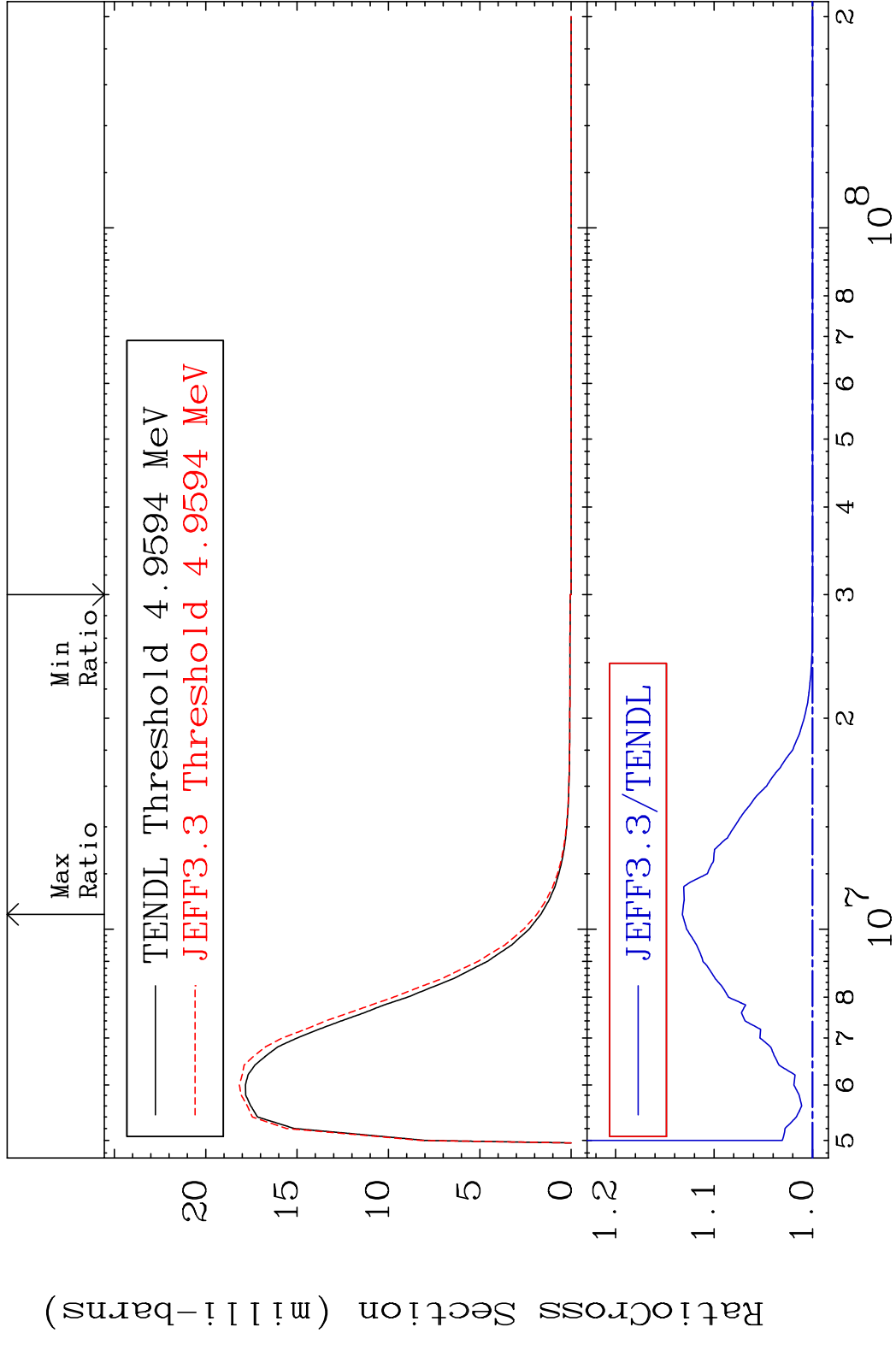




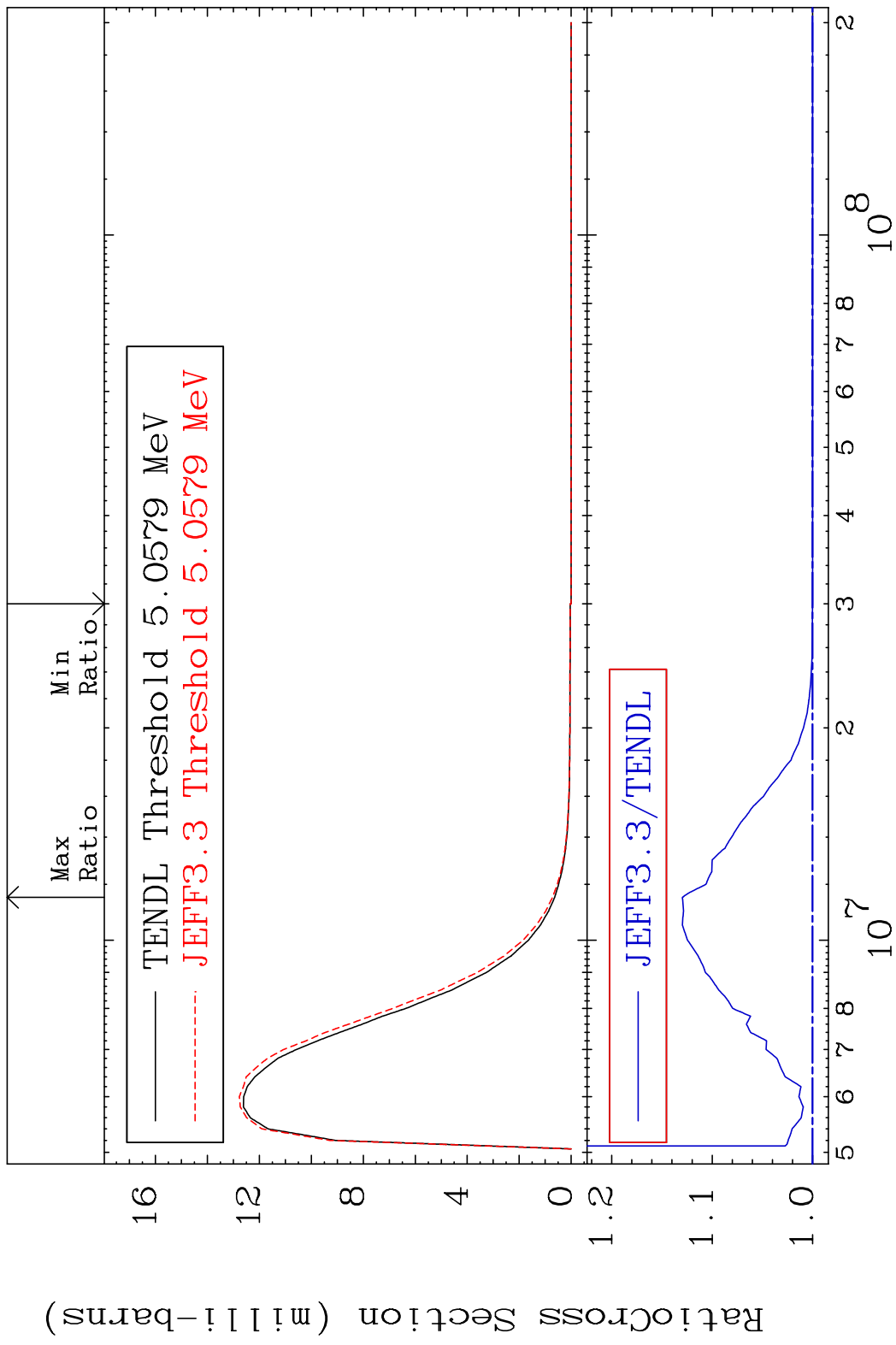
MAT 1925 MT= 65 (n,n') Level 19-K -39  
 Cross Section 0.000 To 13.20 %



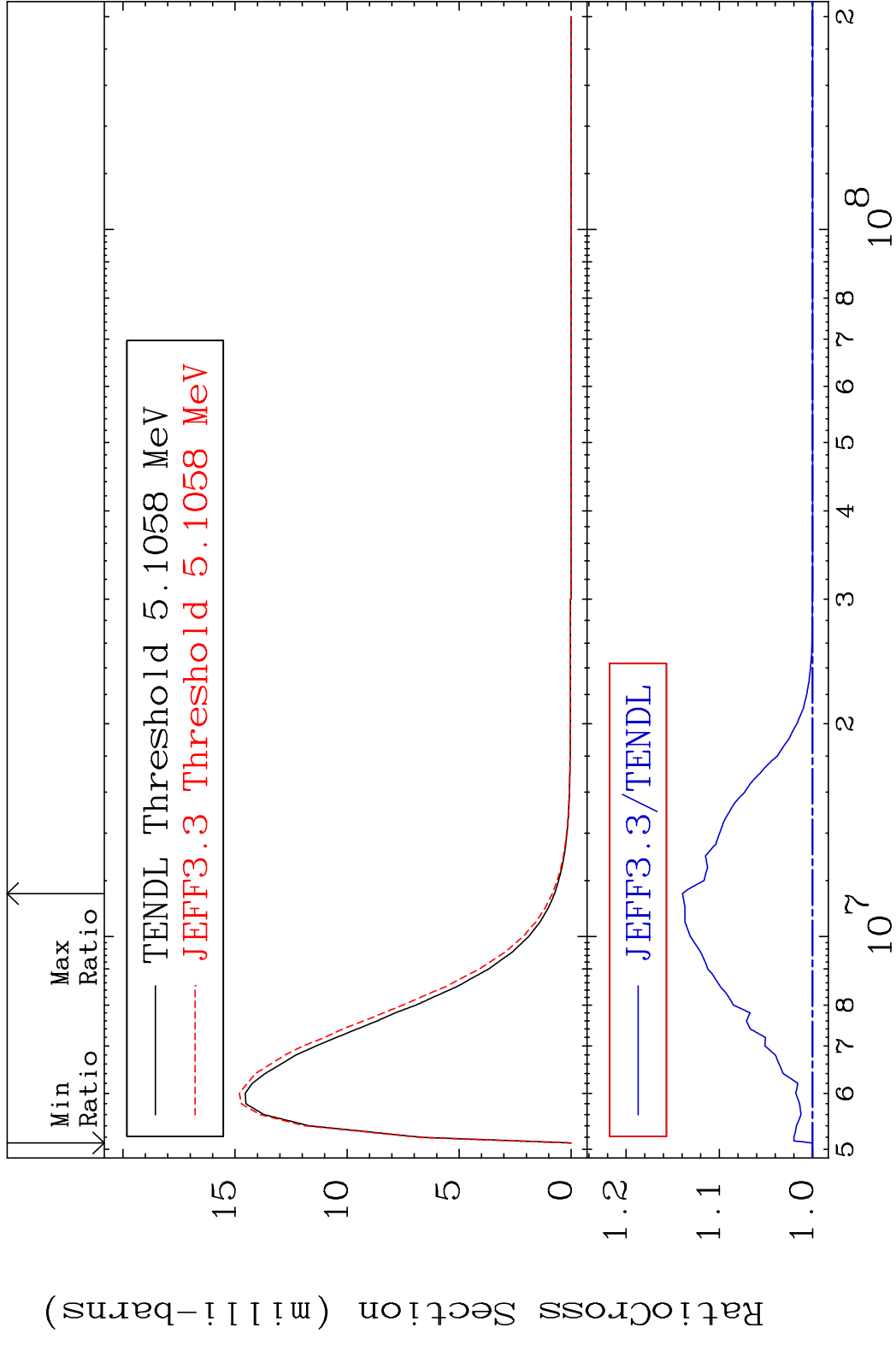
MAT 1925 MT= 66 (n,n') Level 19-K -39  
 Cross Section 0.000 To 13.23 %



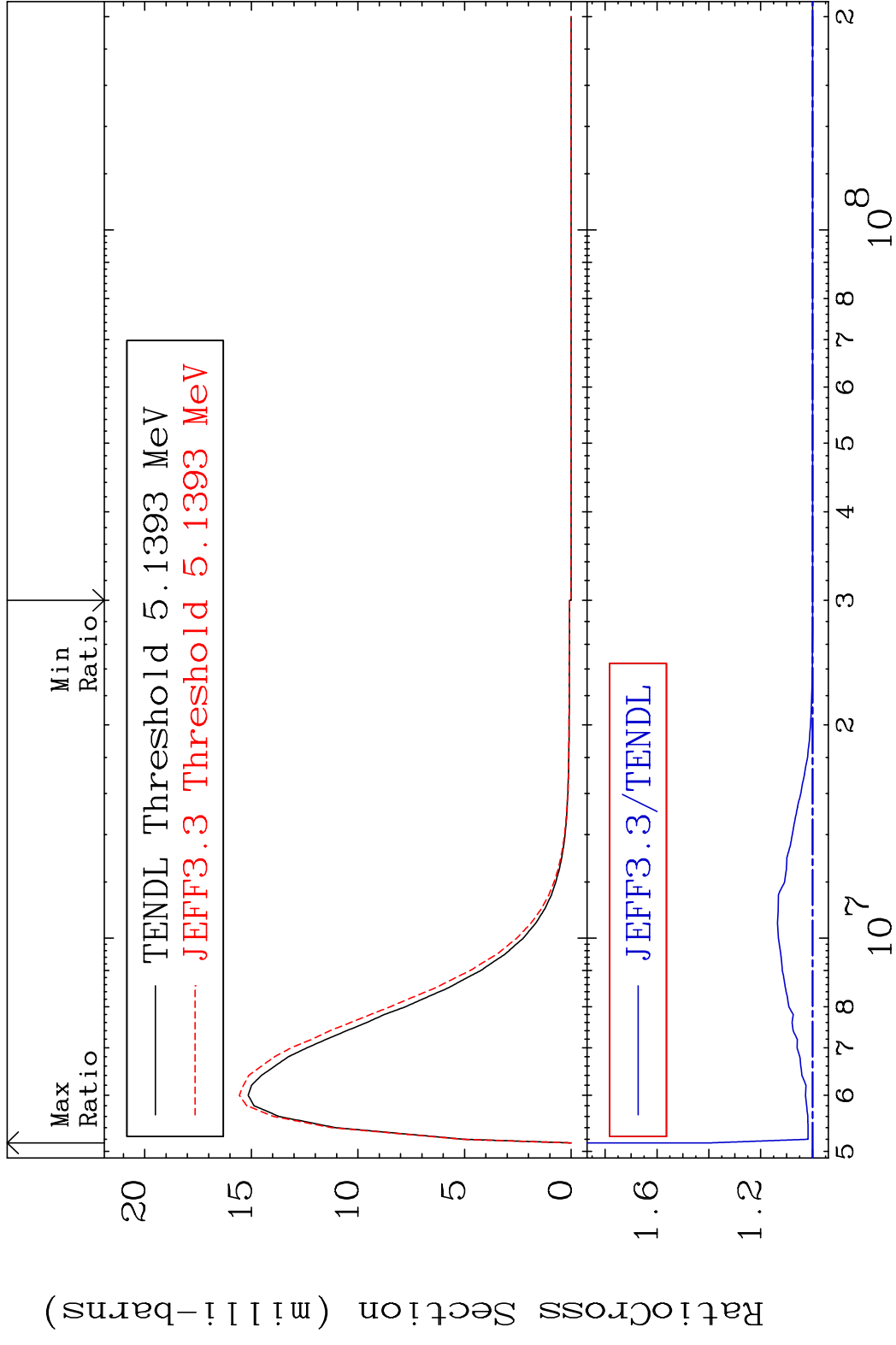
MAT 1925 MT= 67 (n, n') Level 19-K -39  
 Cross Section 0.000 To 12.97 %



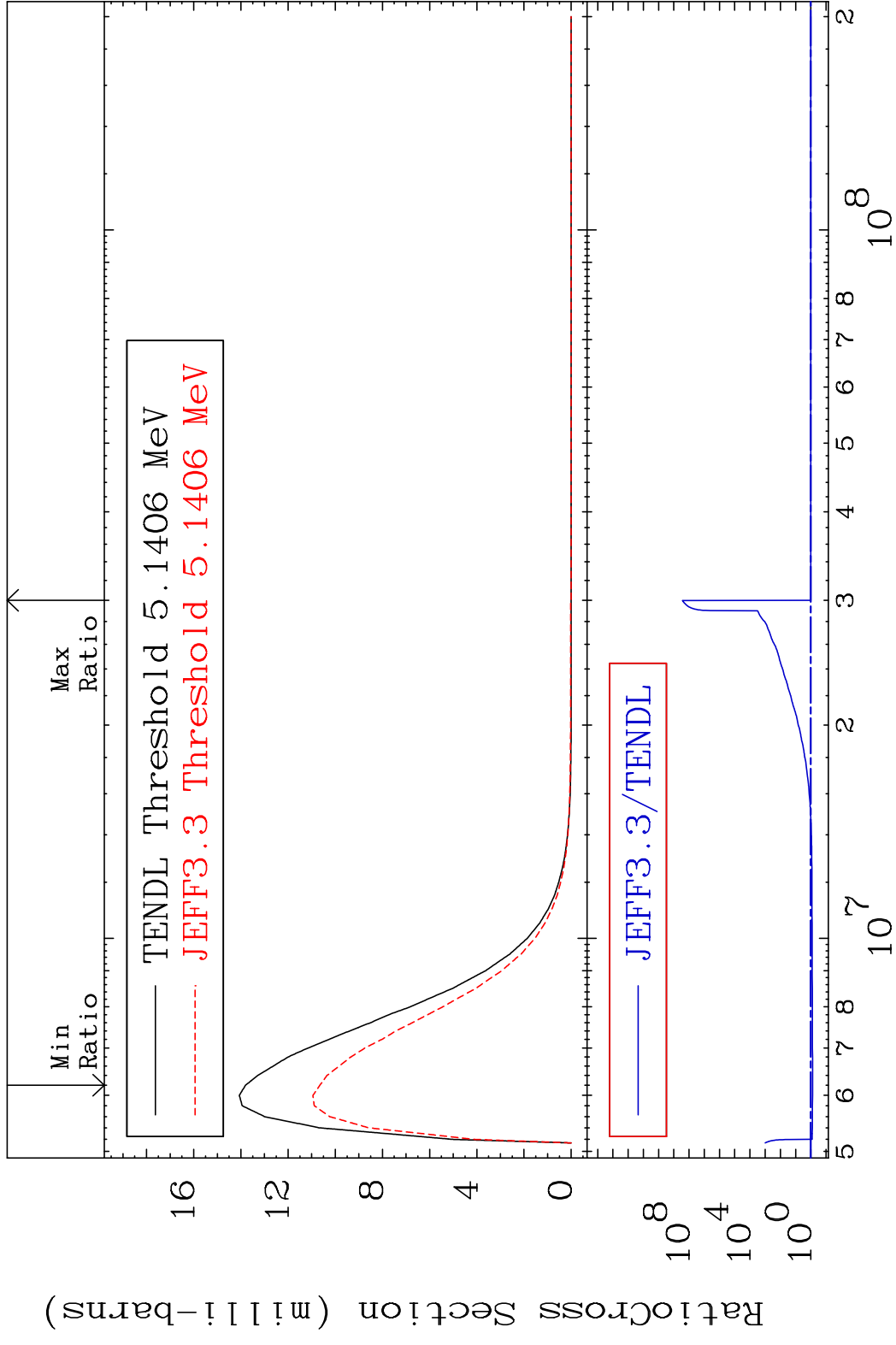
MAT 1925 MT= 68 (n,n') Level 19-K -39  
 Cross Section 0.000 To 13.97 %



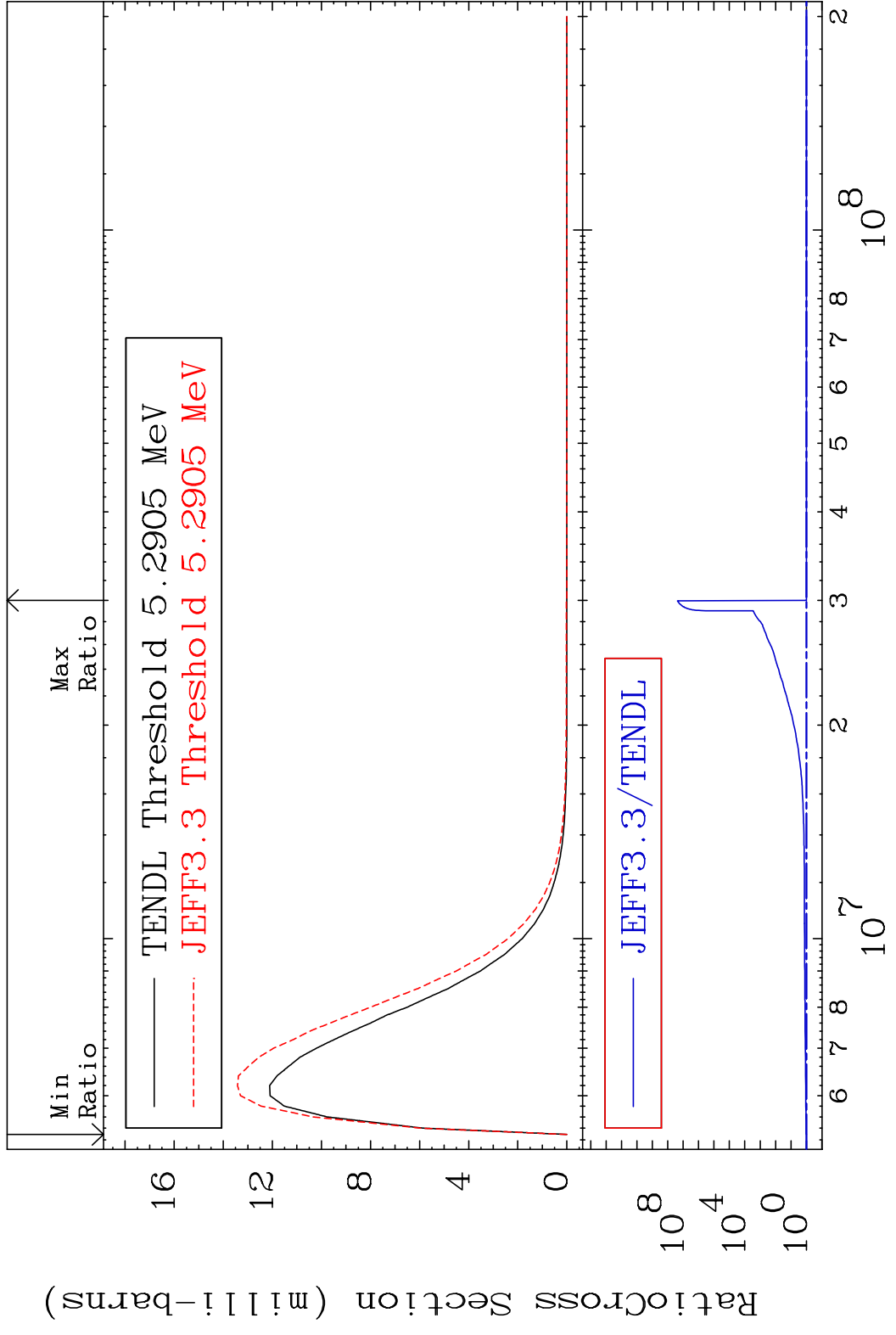
MAT 1925 MT= 69 (n,n') Level 19-K -39  
 Cross Section 0.000 To 50.21 %



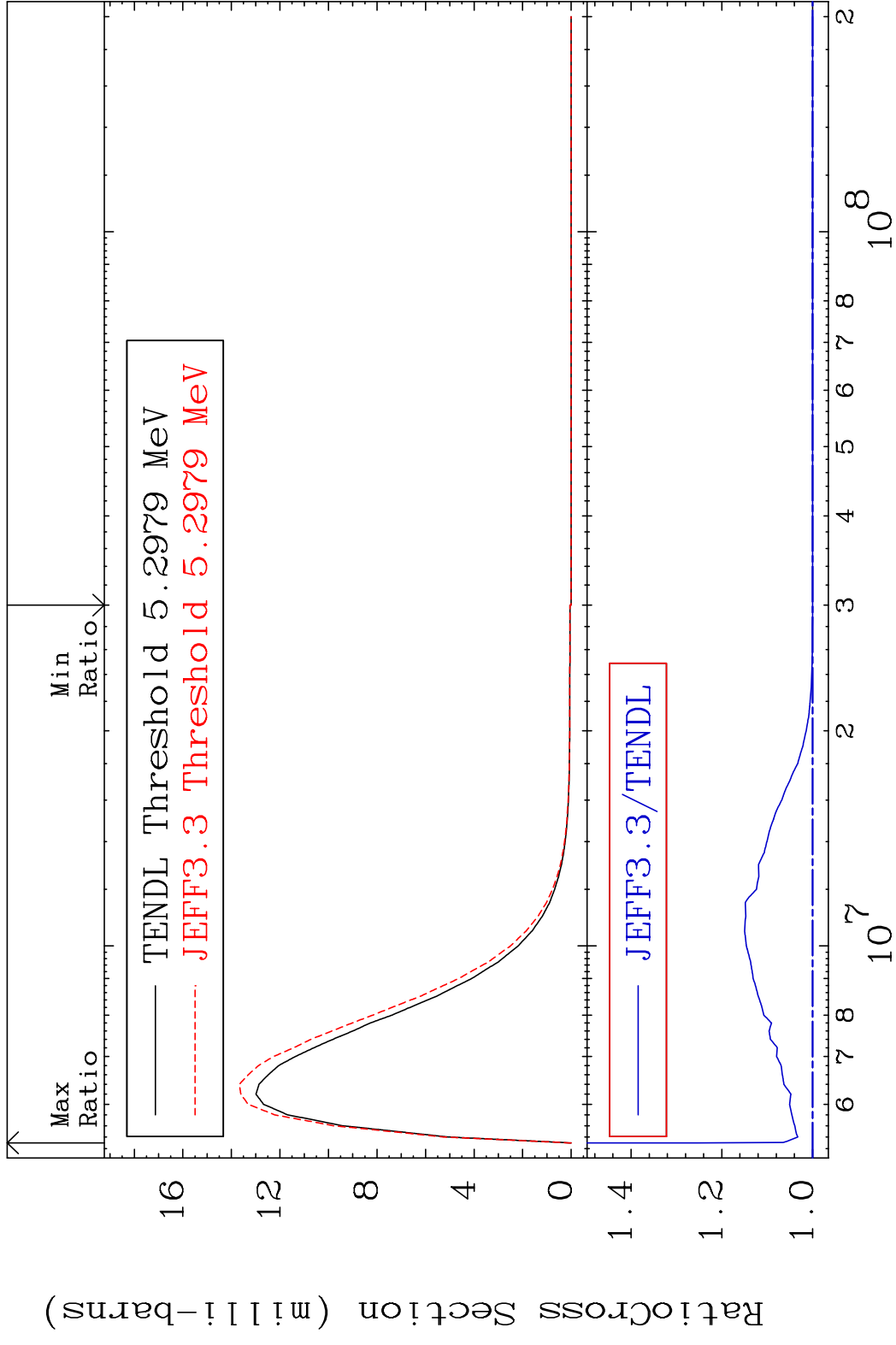
MAT 1925 MT= 70 (n, n') Level 19-K -39  
 Cross Section -22.84 To 9999. %



MAT 1925 MT= 71 (n, n') Level 19-K -39  
 Cross Section 0.000 To 9999. %

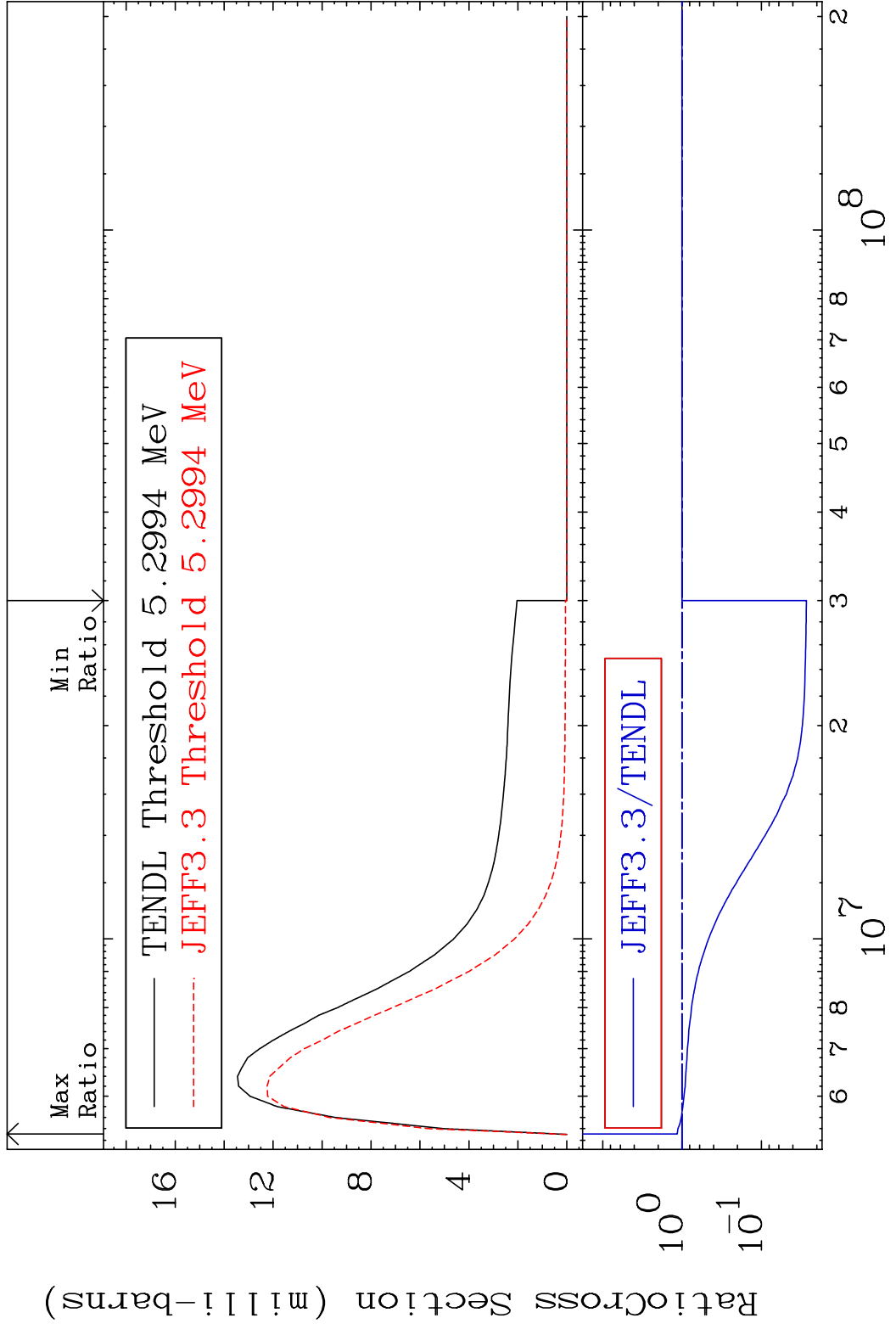


MAT 1925 MT= 72 (n, n') Level 19-K -39  
 Cross Section 0.000 To 28.70 %



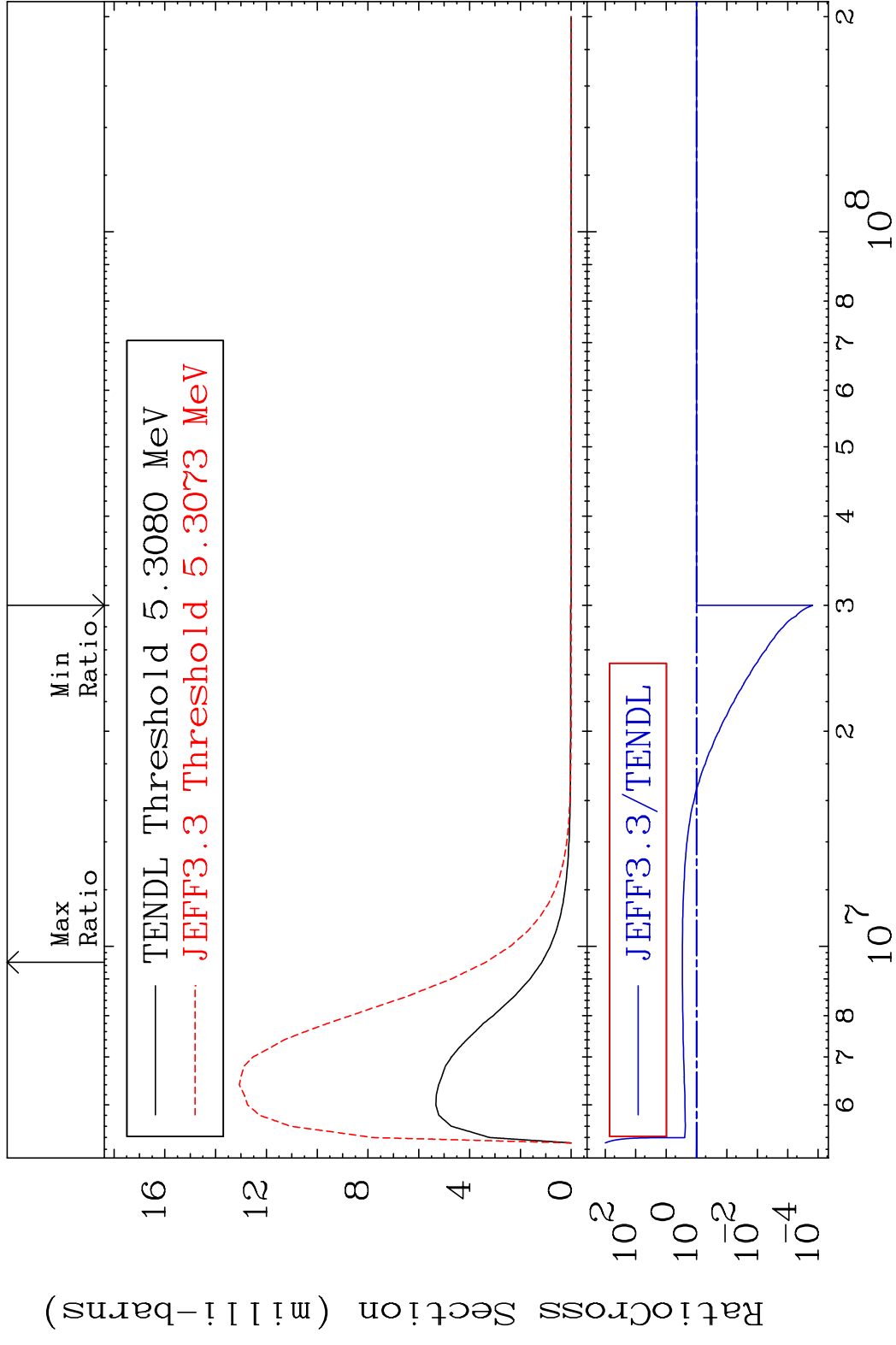


MAT 1925 MT= 73 (n, n') Level 19-K -39  
 Cross Section -97.30 To 15.07 %

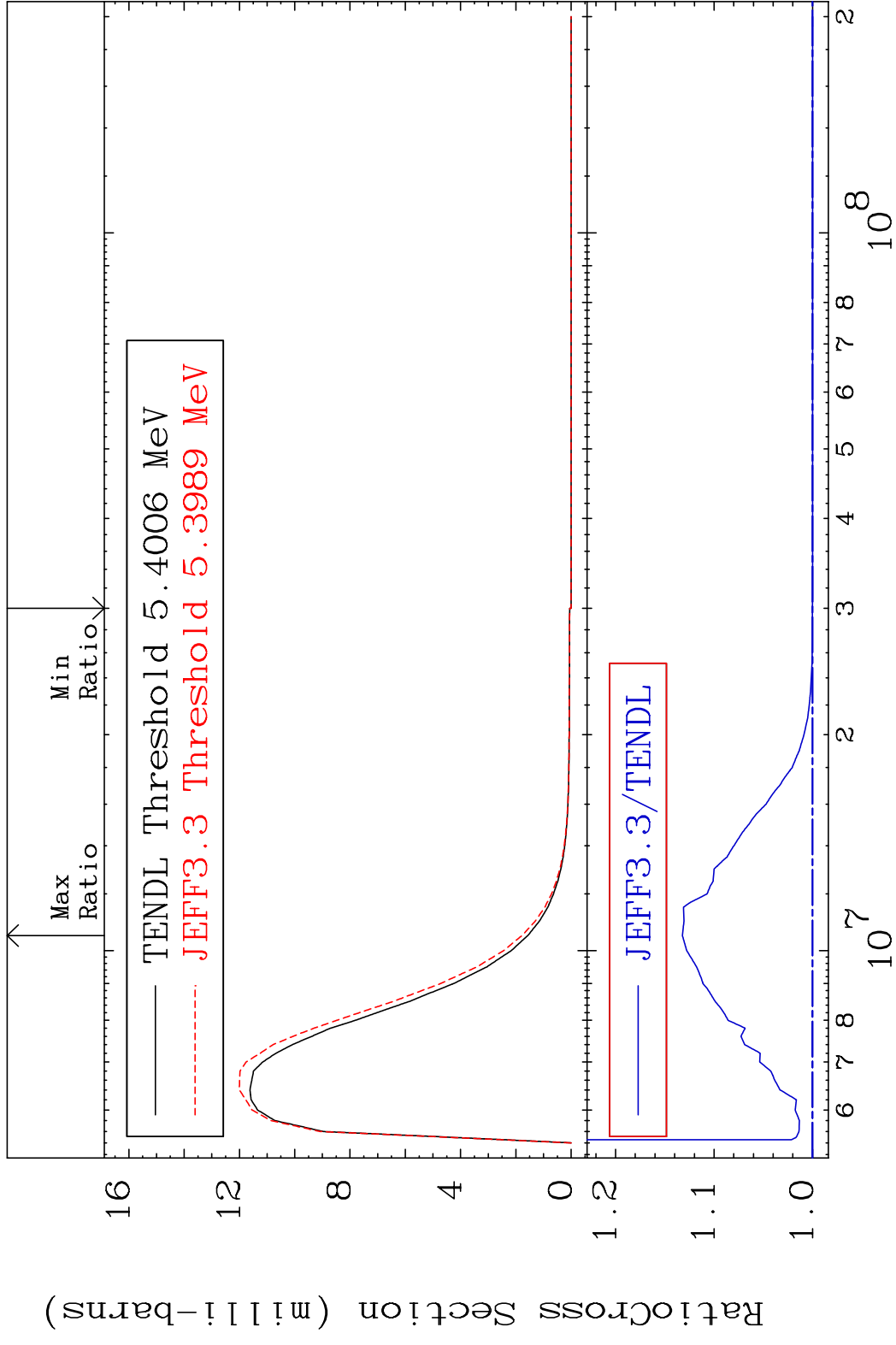


40 Incident Energy (eV) 19-K -39

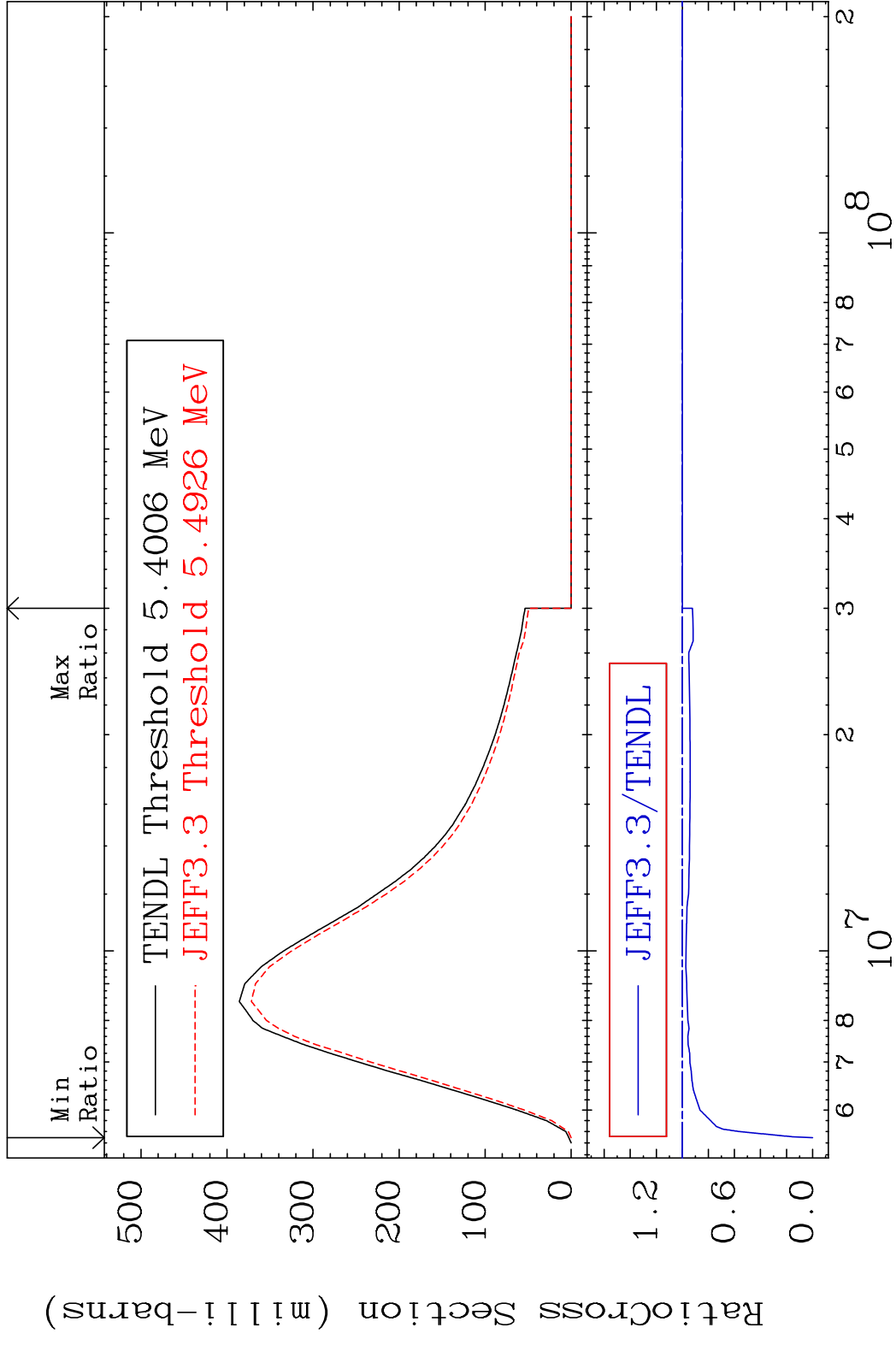
MAT 1925 MT= 74 (n,n') Level 19-K -39  
 Cross Section -99.98 To 191.9 %



MAT 1925 MT= 75 (n,n') Level 19-K -39  
 Cross Section 0.000 To 13.22 %



MAT 1925 (n, n') Continuum 19-K -39  
 Cross Section -100.0 To 0.000 %

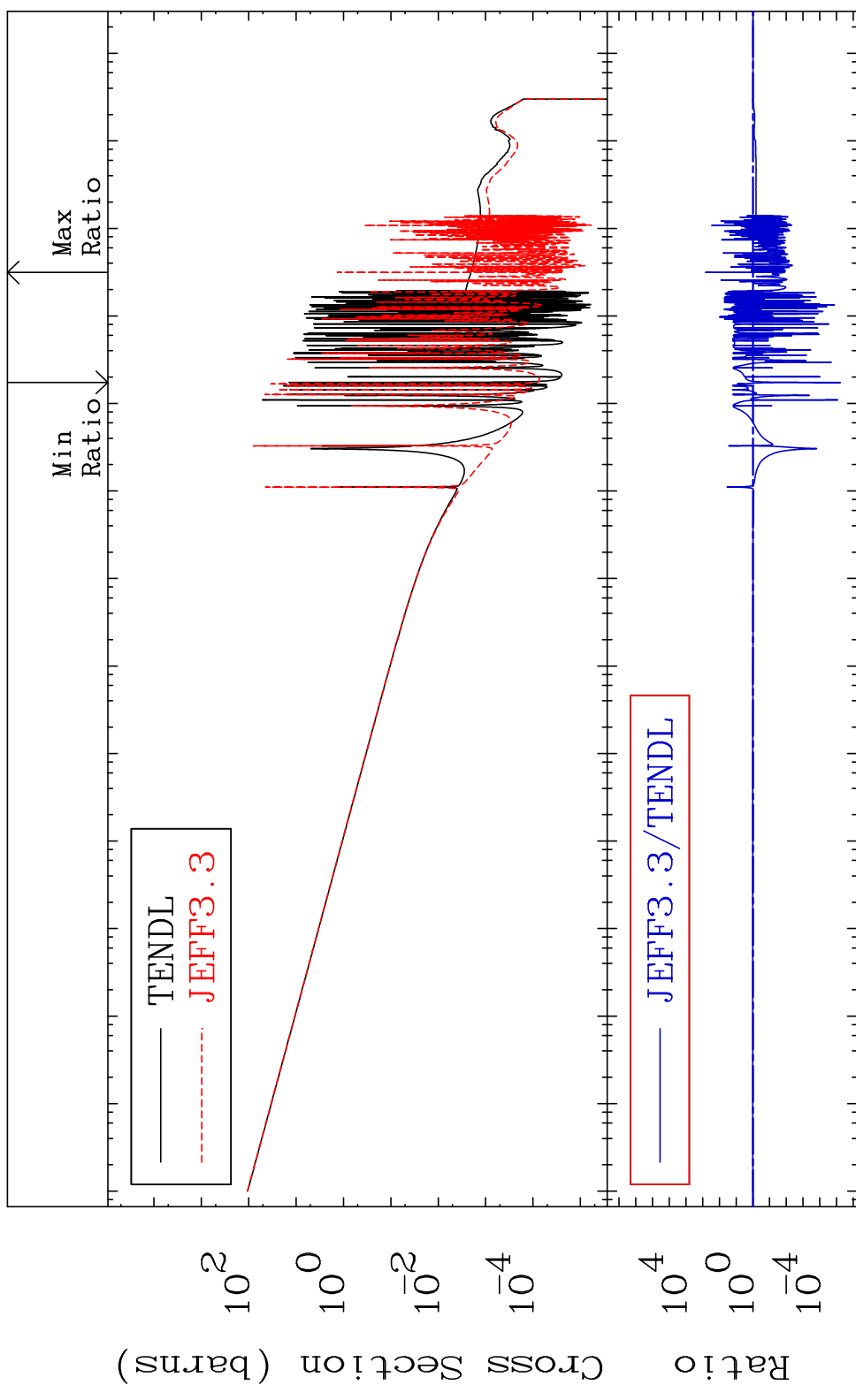


MAT 1925

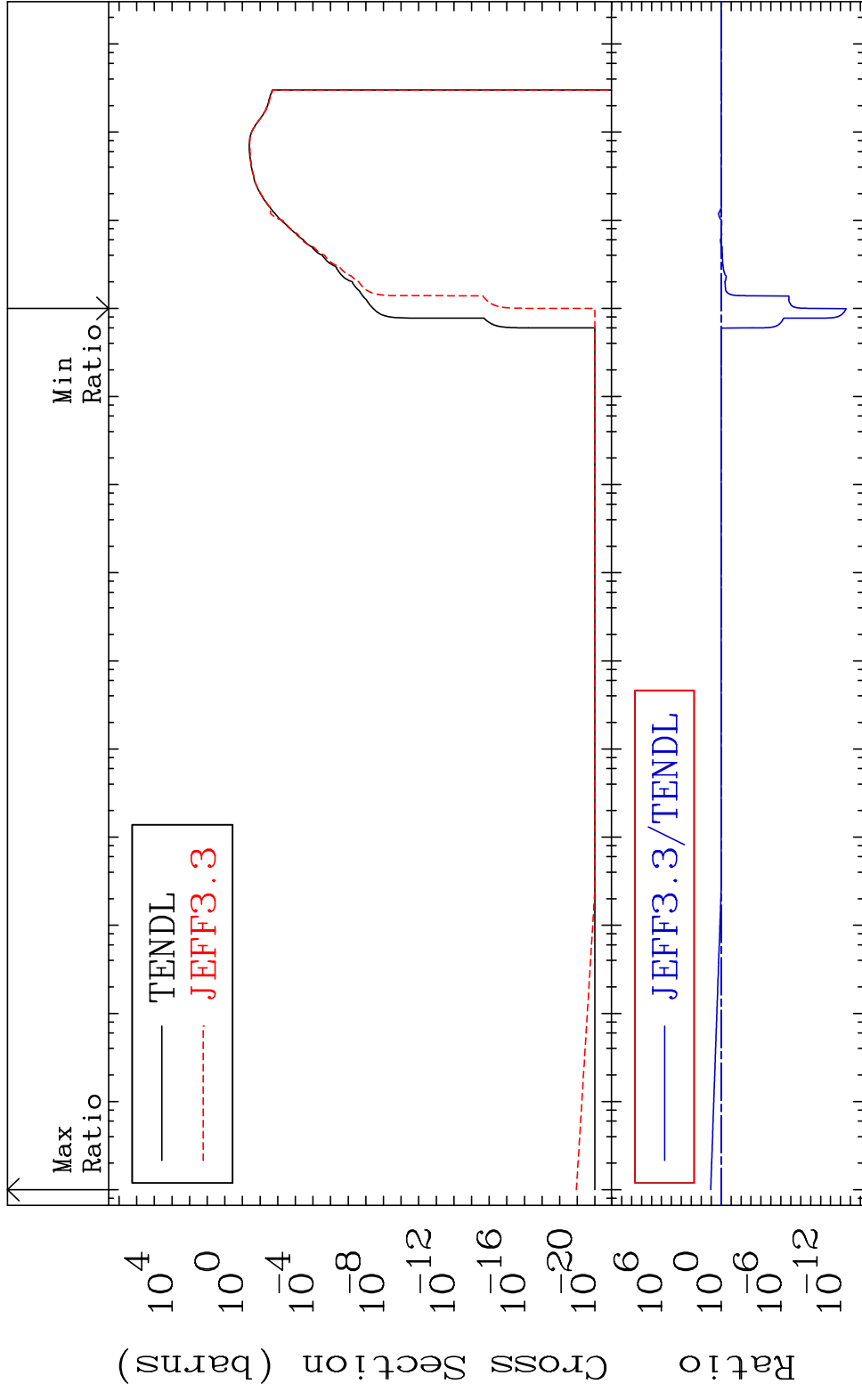
(n,  $\gamma$ )

19-K -39

Cross Section -100.0 To 9999. %

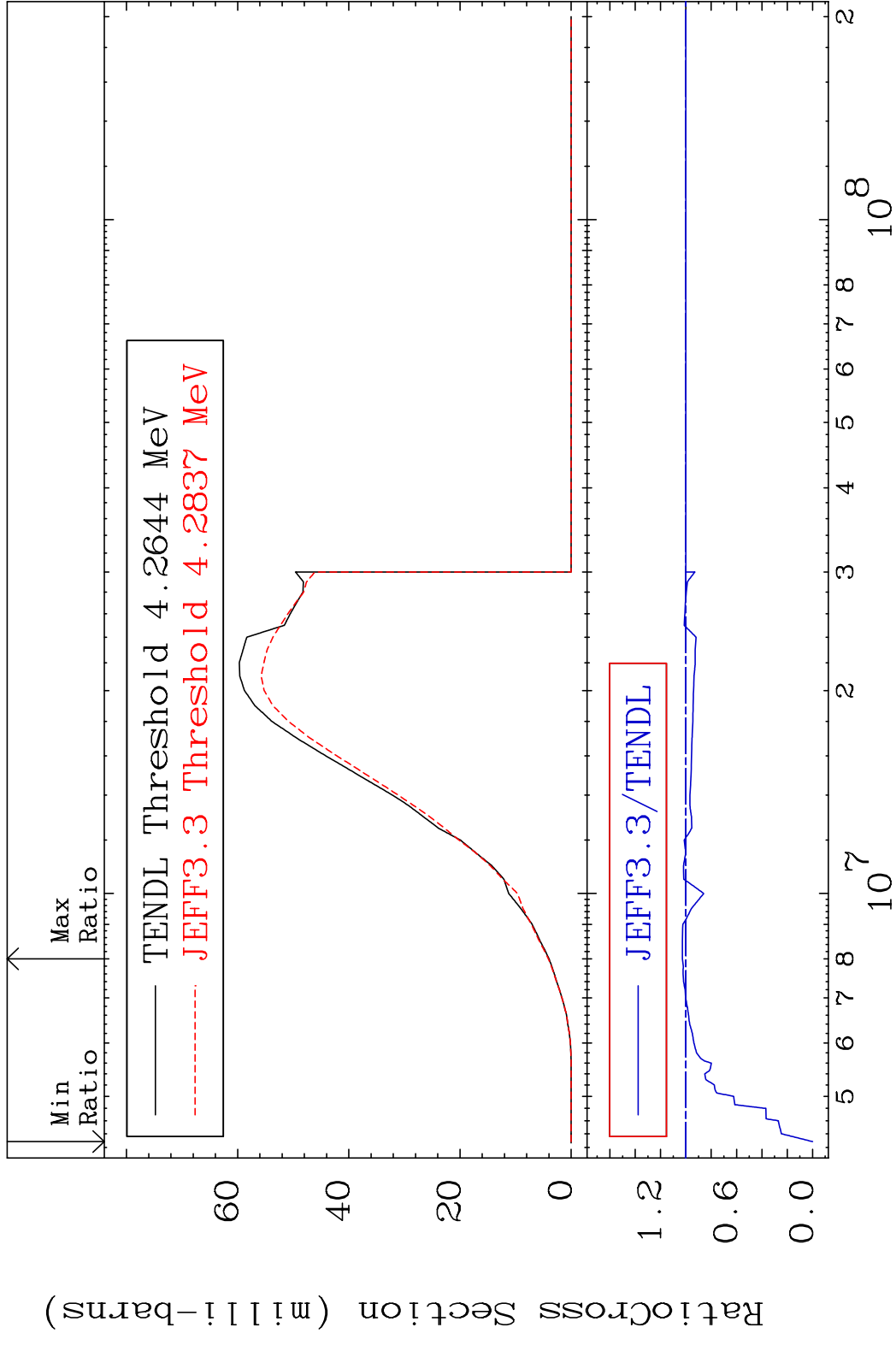


MAT 1925 (n,p) 19-K -39  
 Cross Section -100.0 To 1019. %

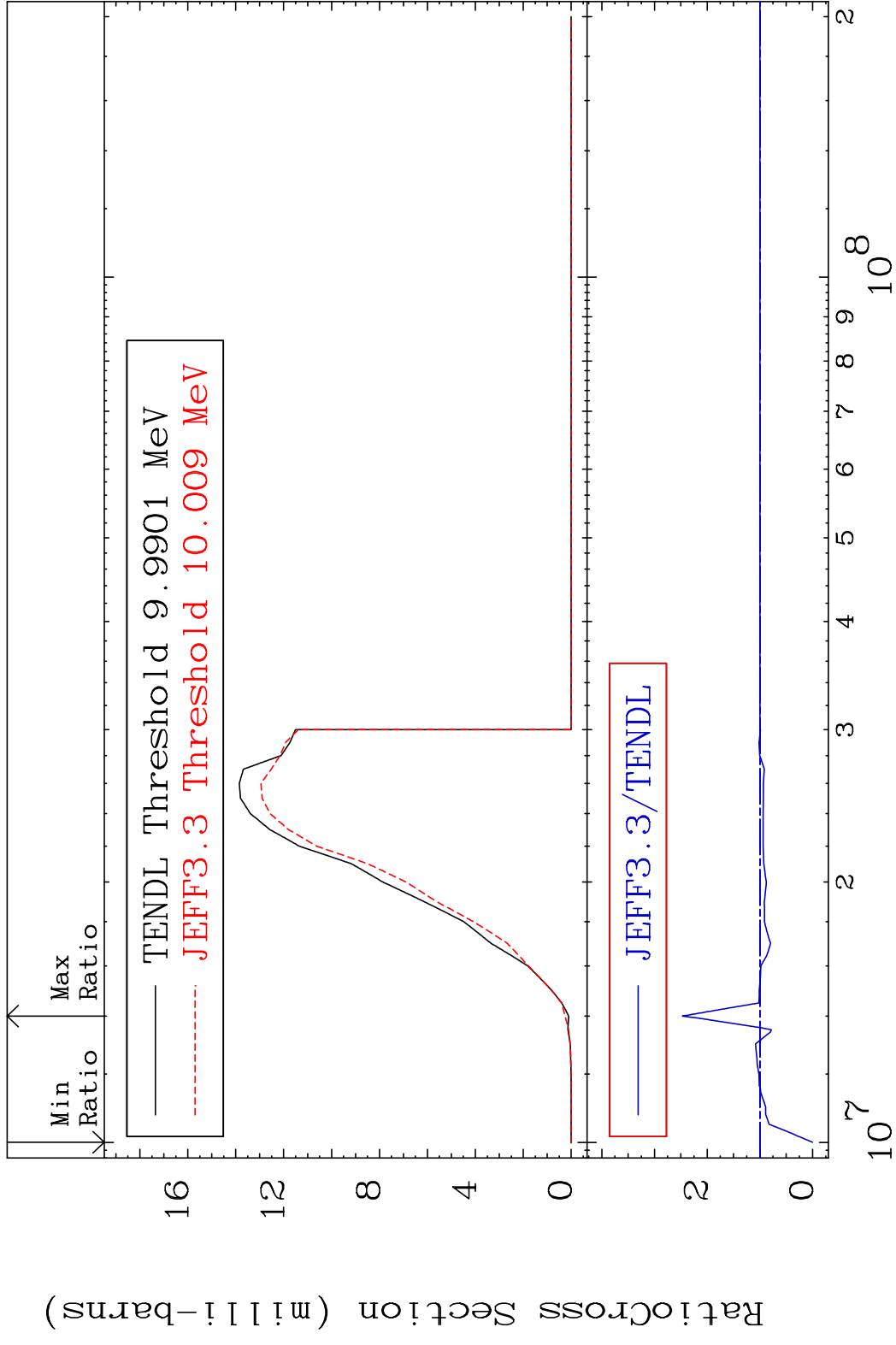


45 Incident Energy (eV) 19-K -39

MAT 1925 (n,d) 19-K -39  
 Cross Section -100.0 To 2.785 %



MAT 1925 (n, t) 19-K -39  
 Cross Section -100.0 To 147.1 %



47 19-K -39

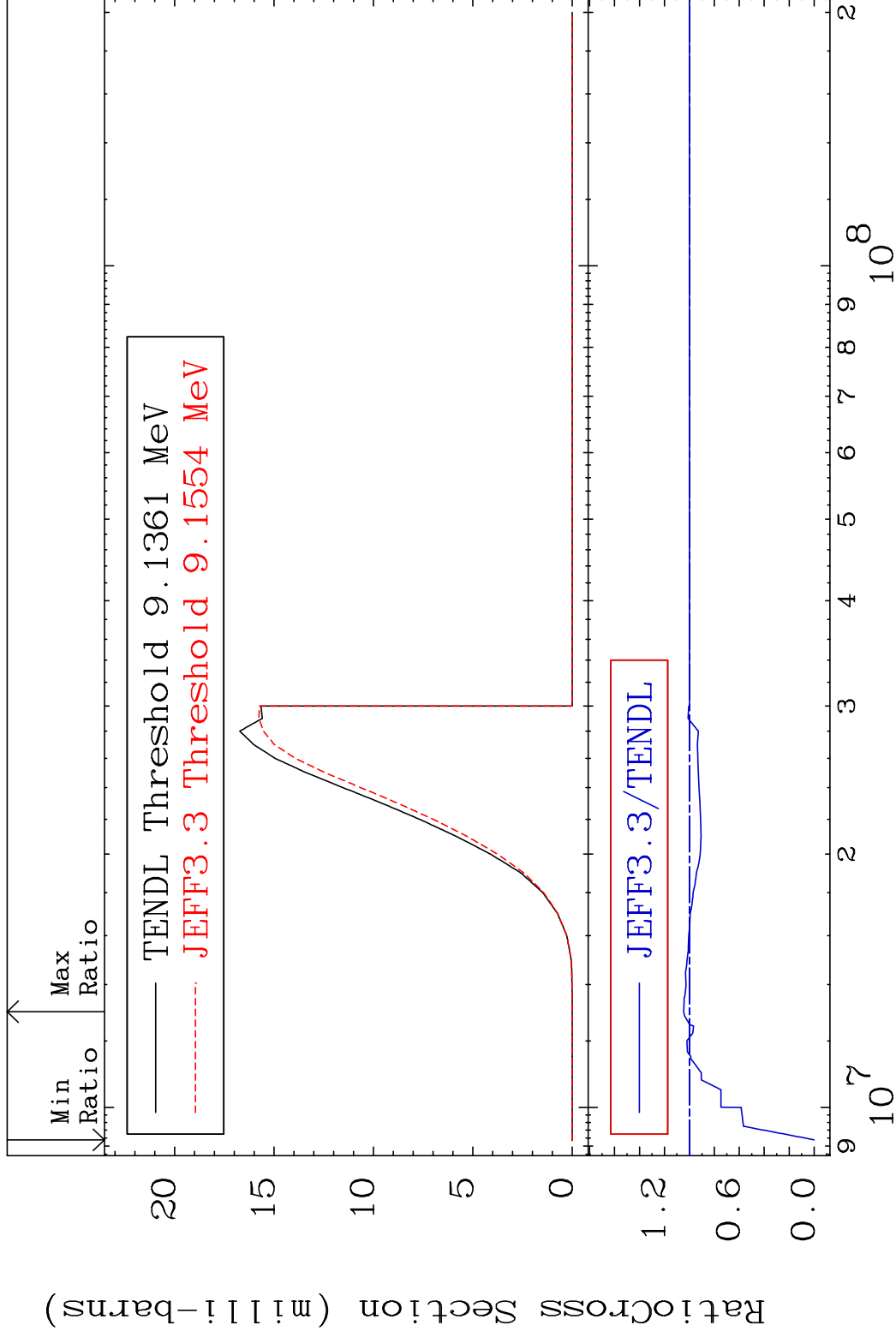


MAT 1925

(n, He-3)

19-K -39

Cross Section -100.0 To 4.593 %



48

Incident Energy (eV)

19-K -39

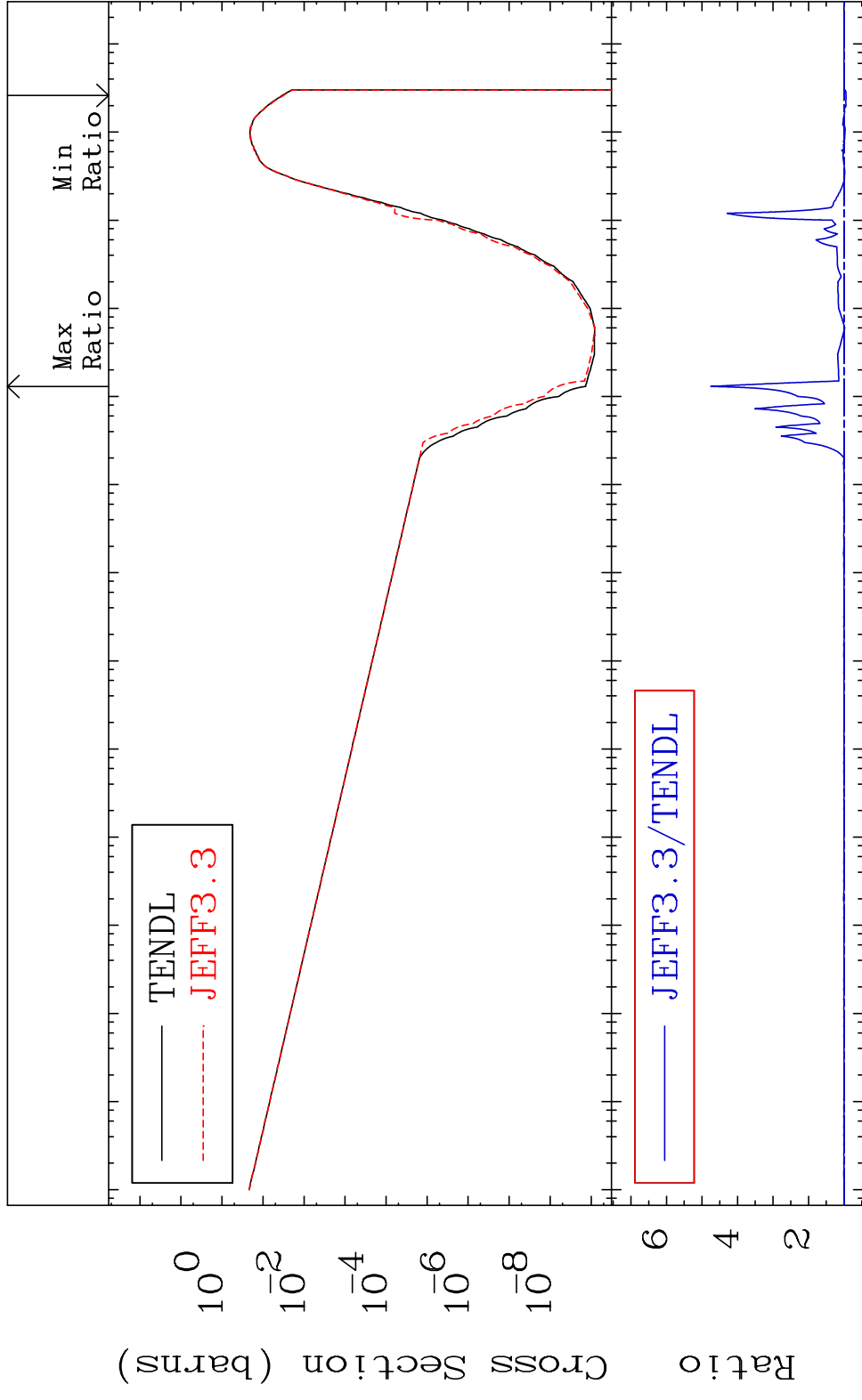
MAT 1925

(n,  $\alpha$ )

19-K -39

Cross Section

-6.508 To 375.5 %



49

Incident Energy (eV)

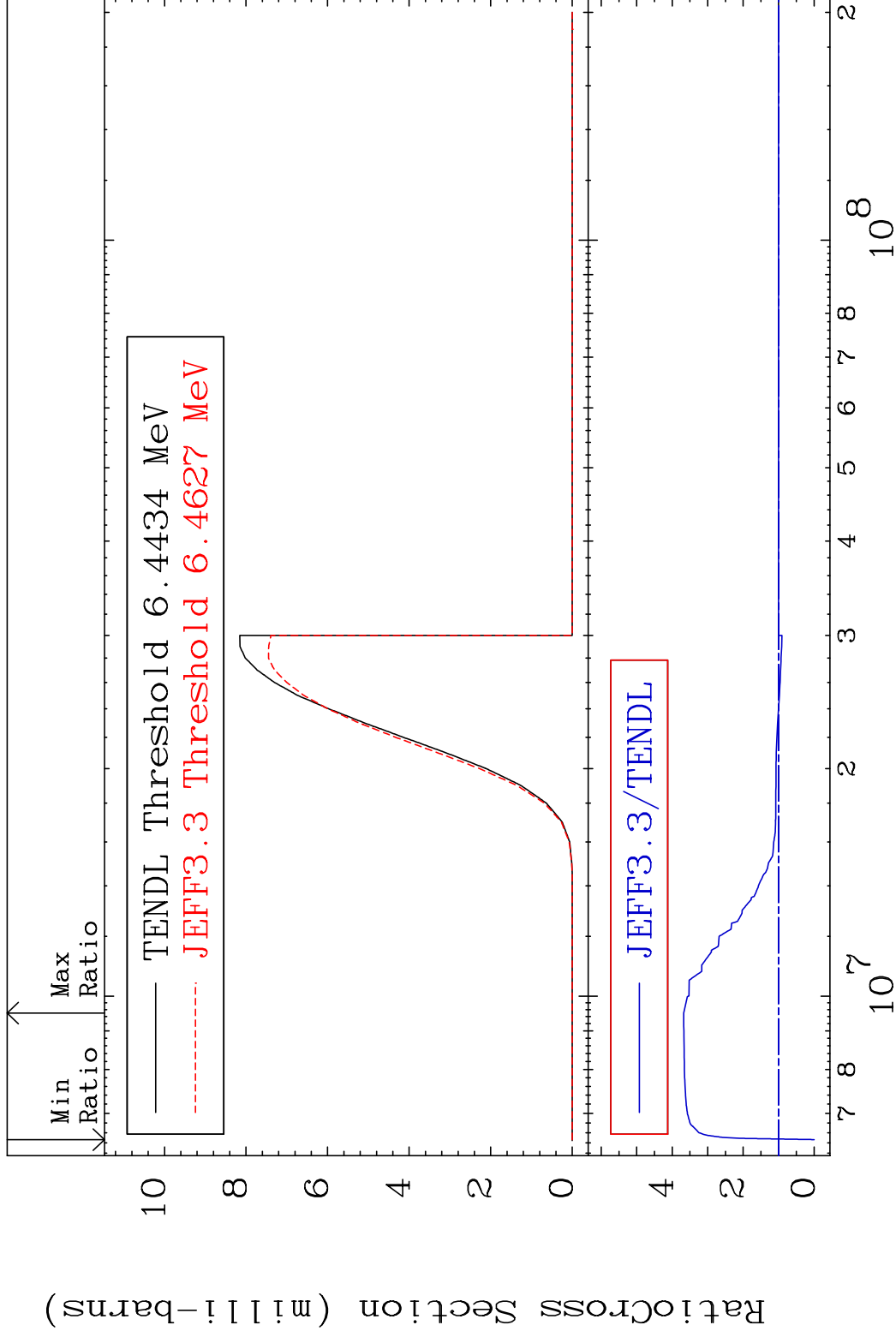
19-K -39

MAT 1925

(n,2α)

19-K -39

Cross Section -100.0 To 267.6 %

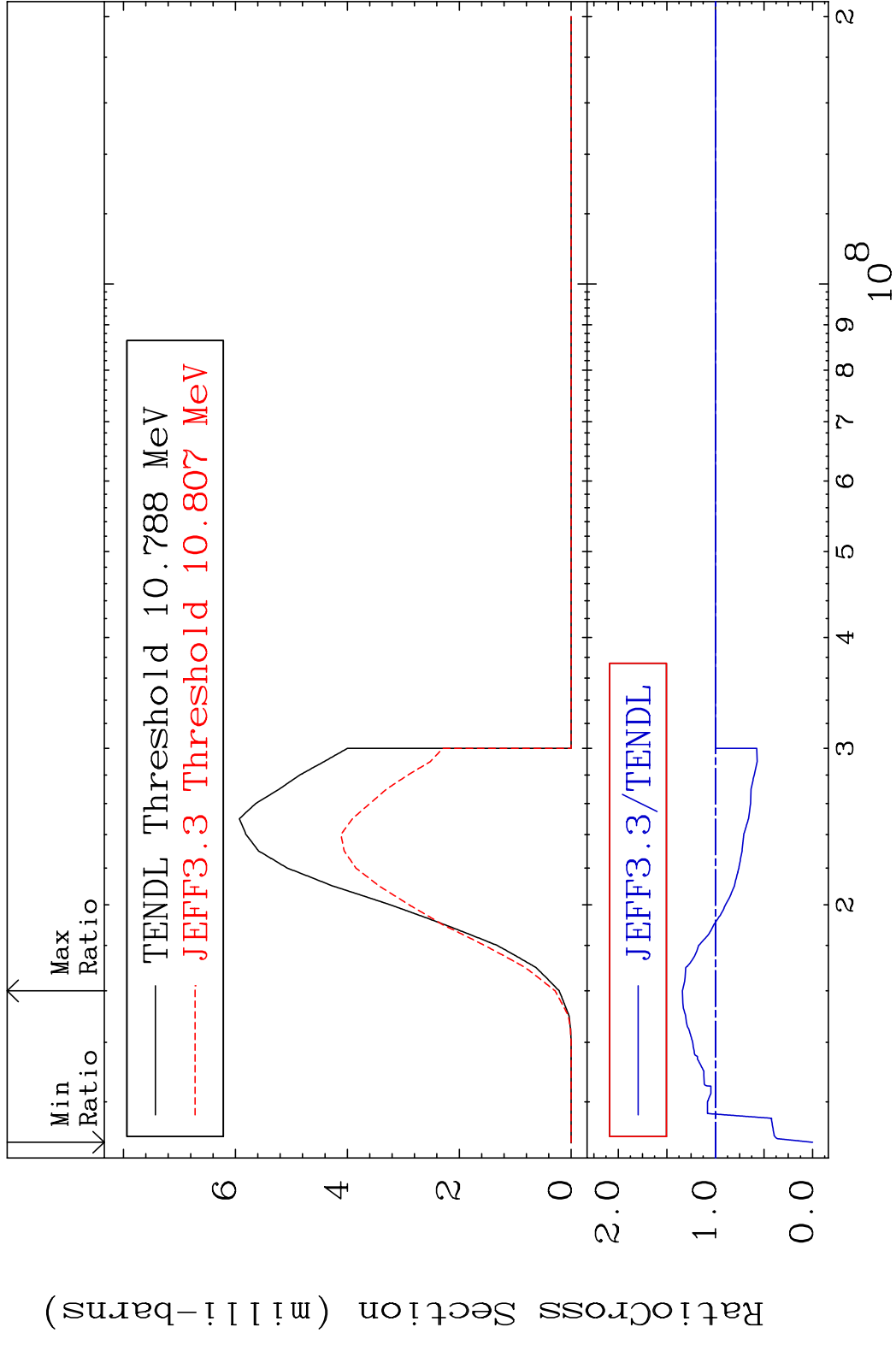


50

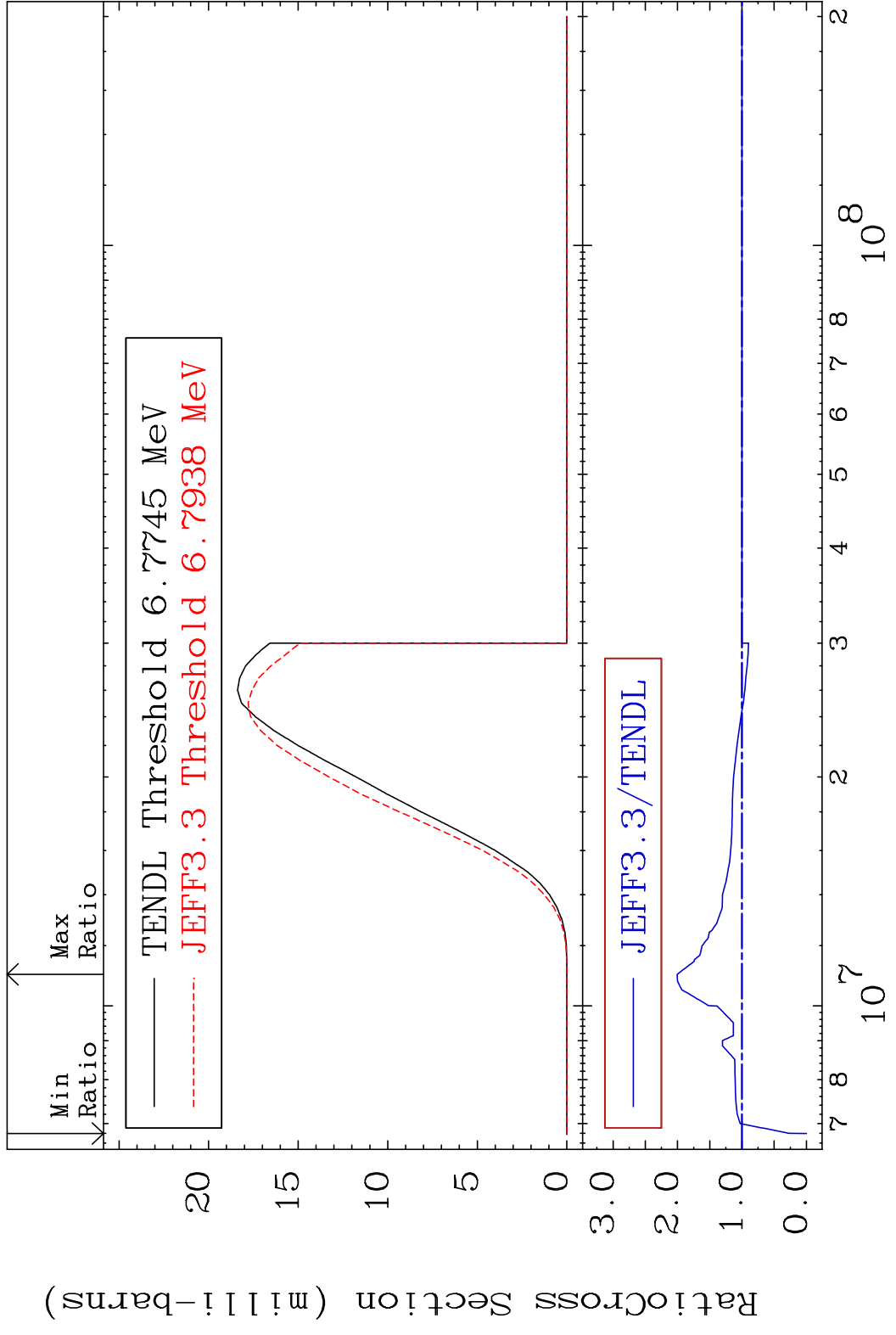
Incident Energy (eV)

19-K -39

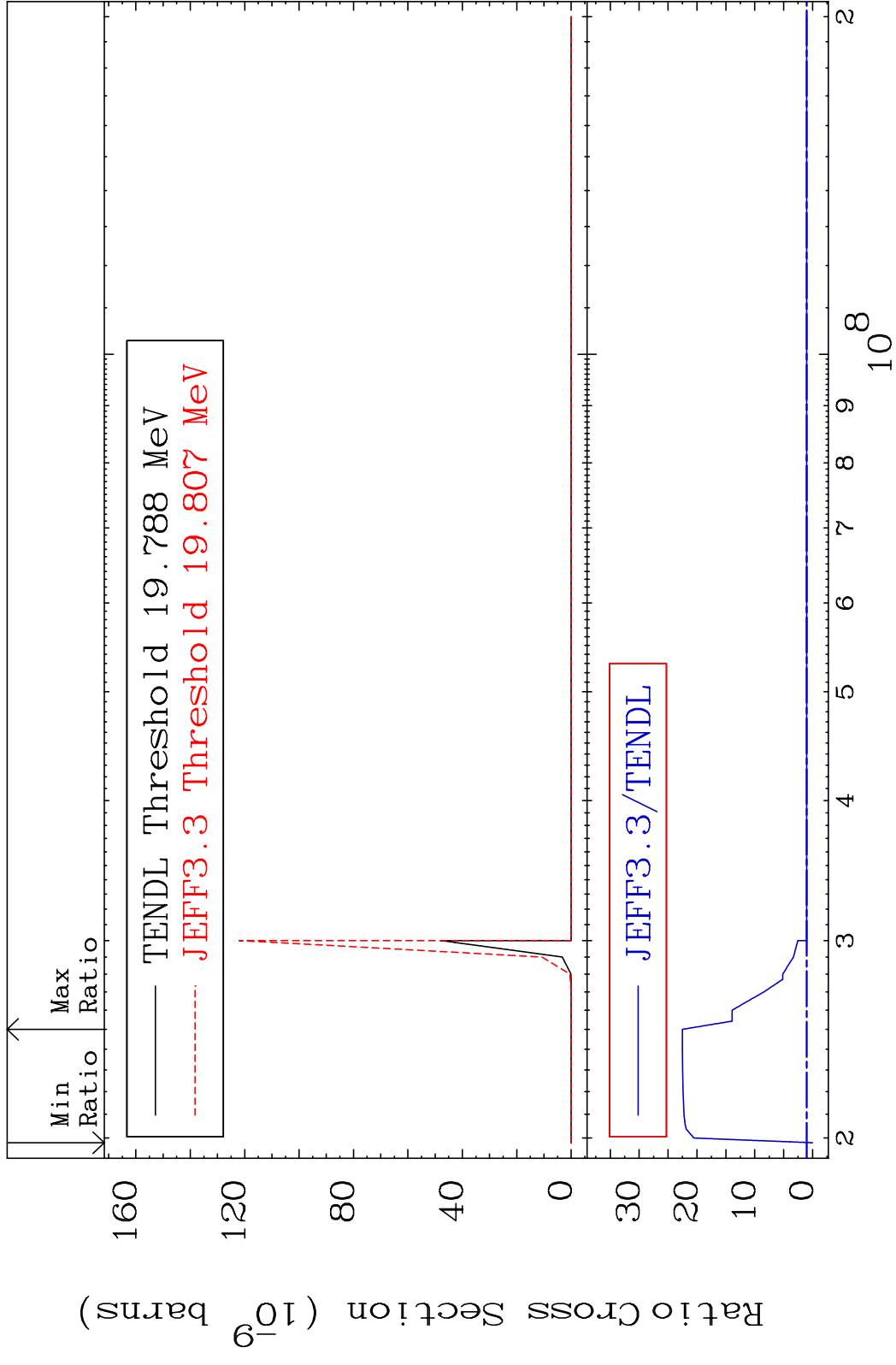
MAT 1925 (n,2p) 19-K -39  
 Cross Section -100.0 To 33.99 %



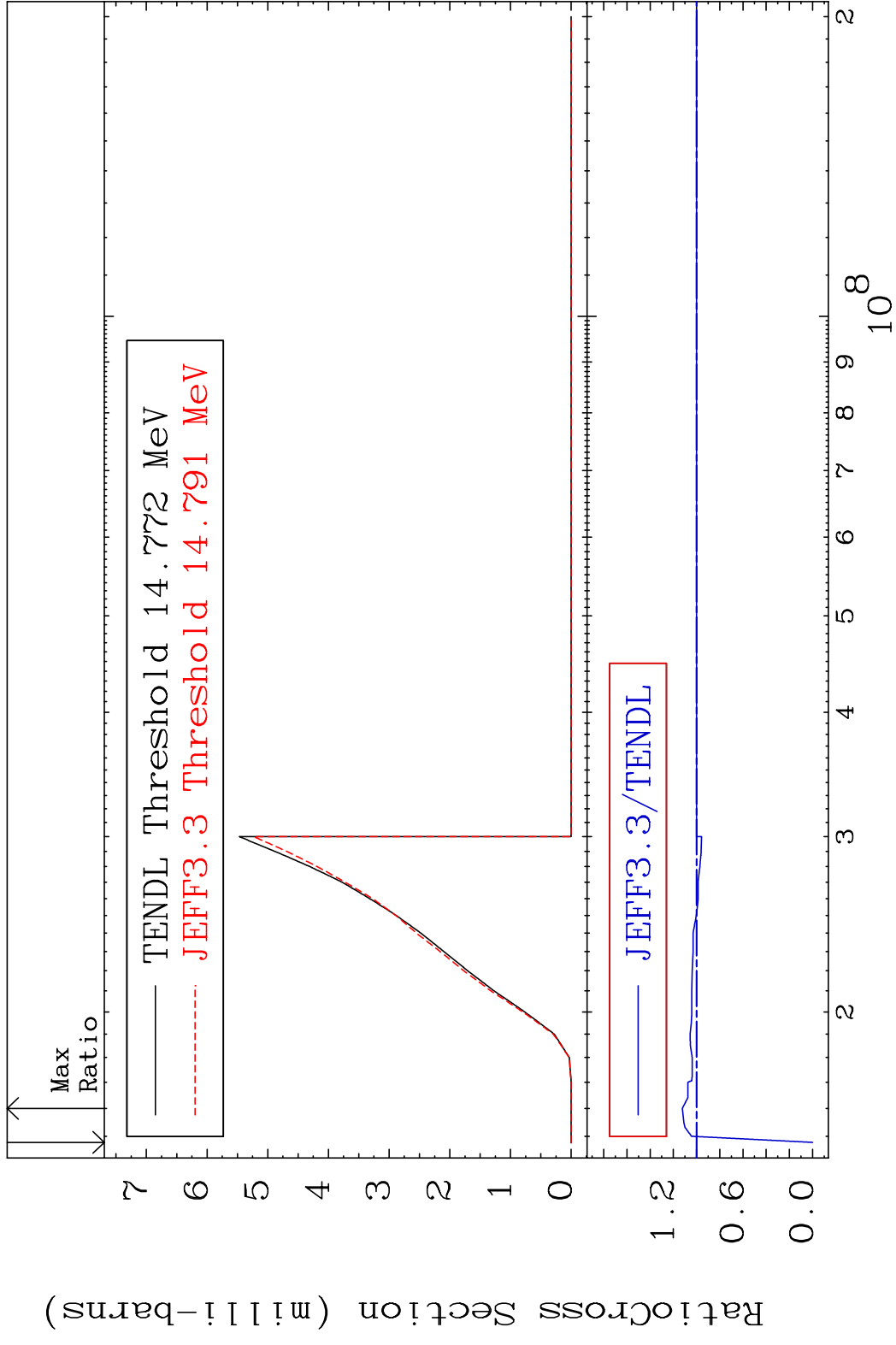
MAT 1925 (n,p)  $\alpha$  19-K -39  
 Cross Section -100.0 To 100.5 %



MAT 1925 (n,d)  $^{239}\text{Pu}$  19-K -39  
 Cross Section -100.0 To 2153. %



MAT 1925 (n,p) d 19-K -39  
 Cross Section -100.0 To 12.24 %

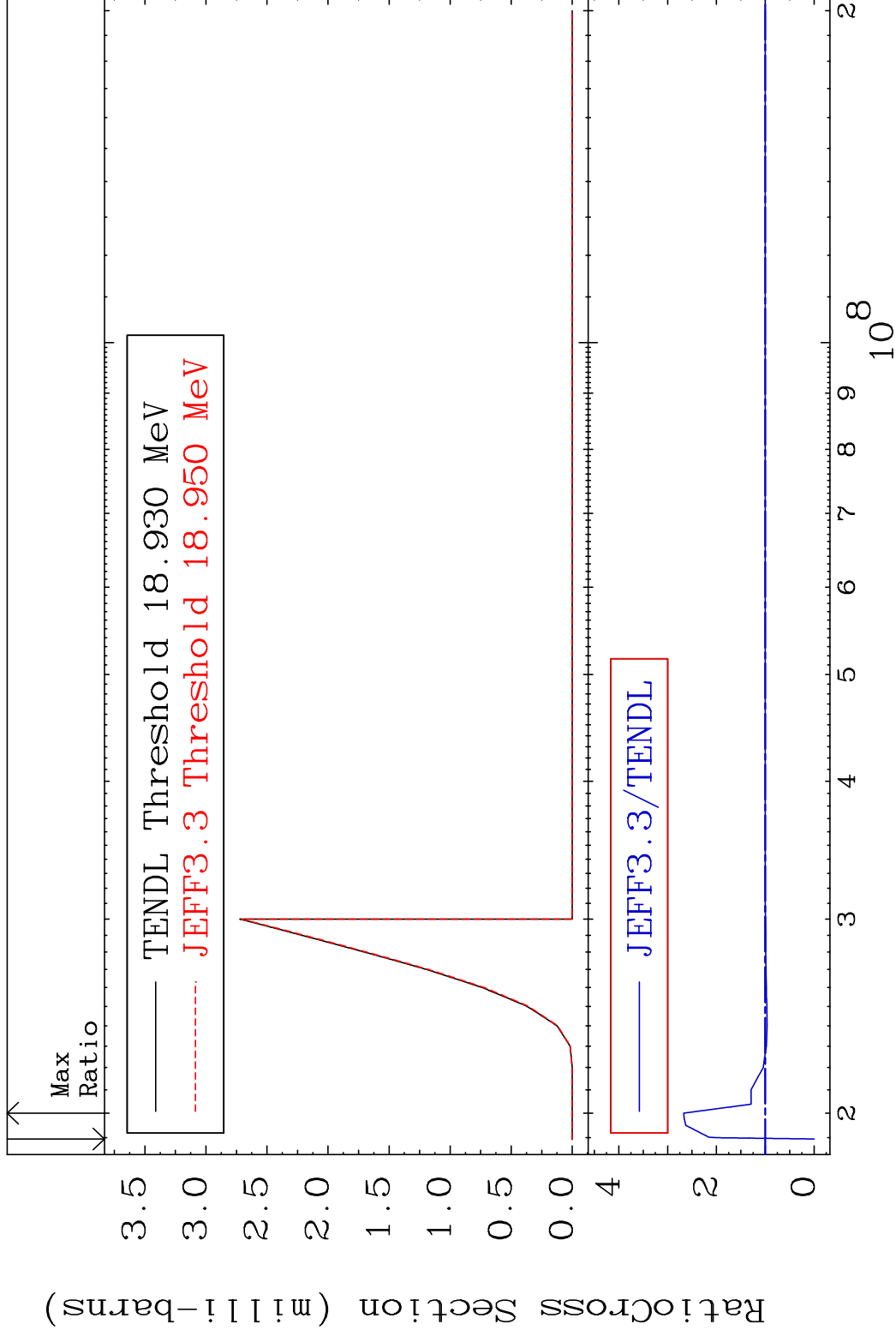


MAT 1925

(n,p) t

19-K -39

Cross Section -100.0 To 167.1 %



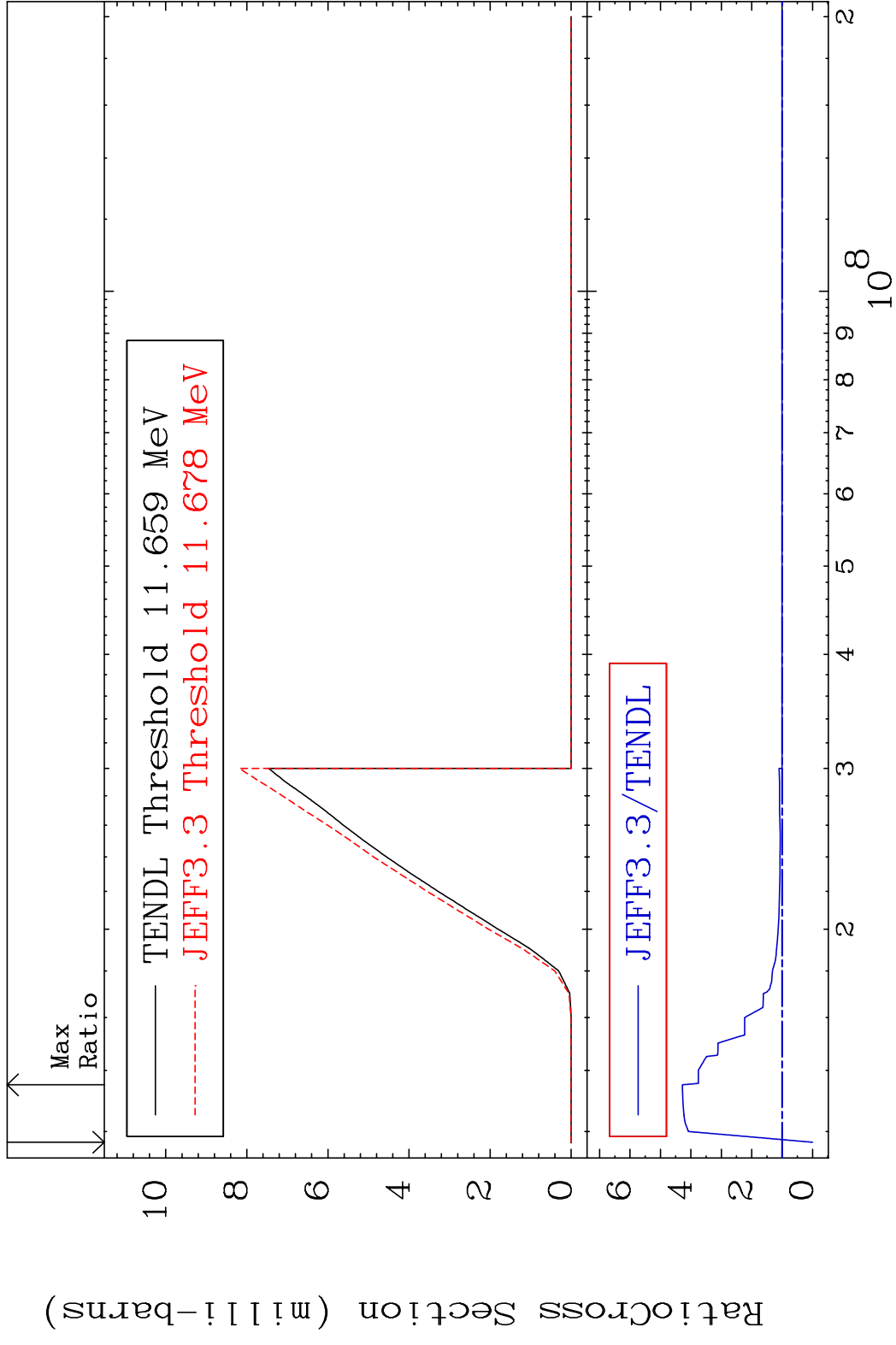
55

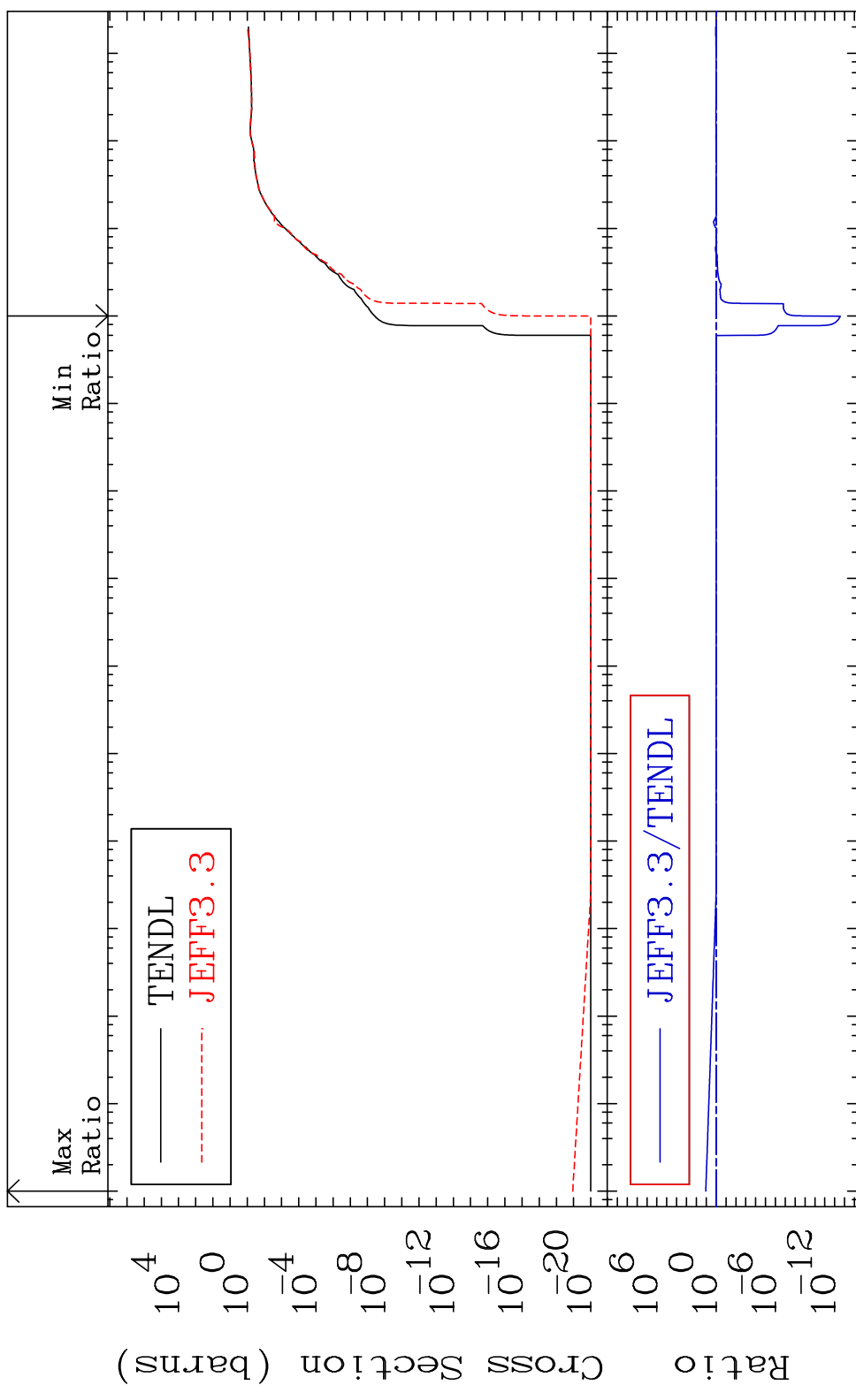
Incident Energy (eV)

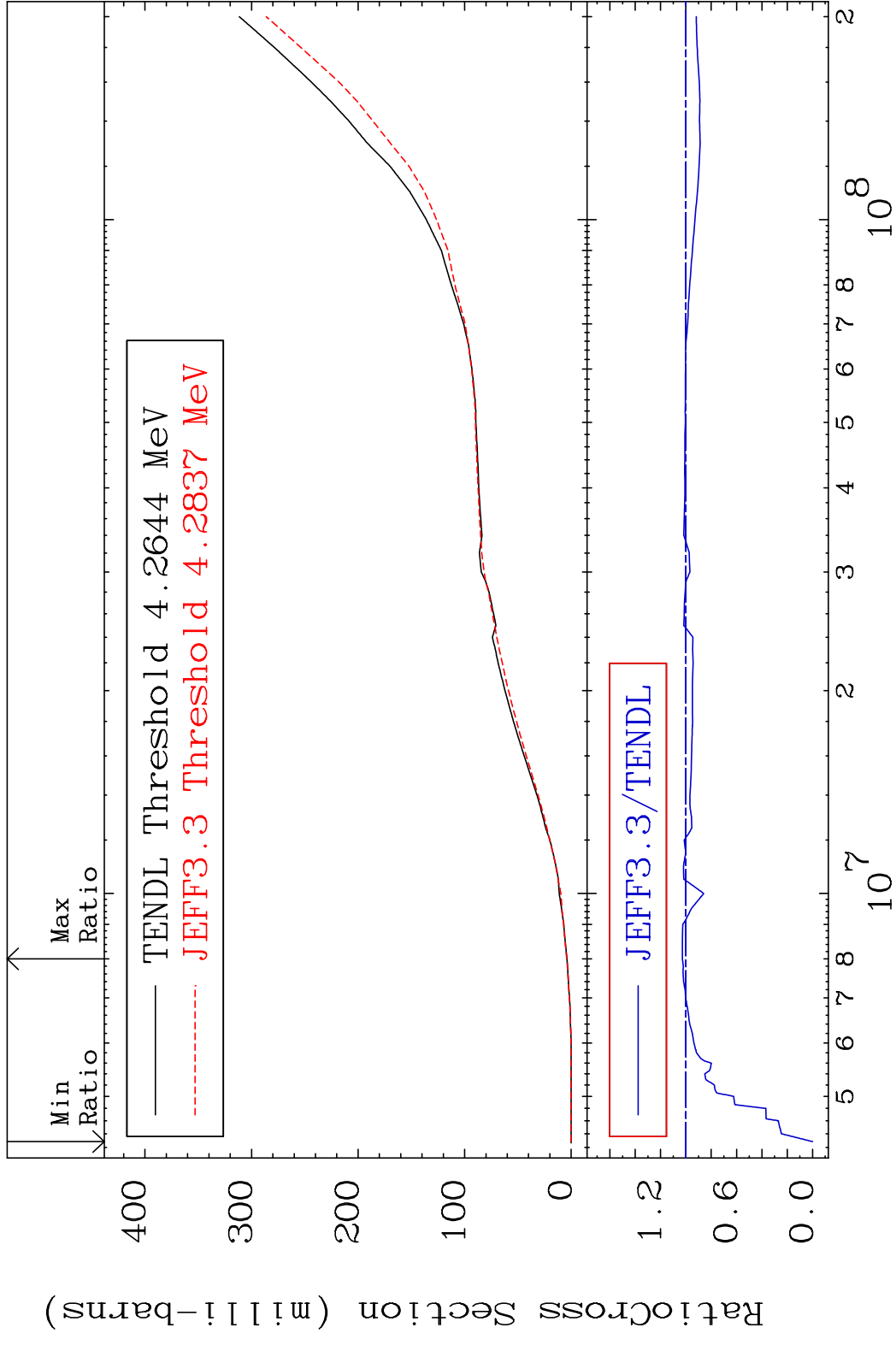
19-K -39



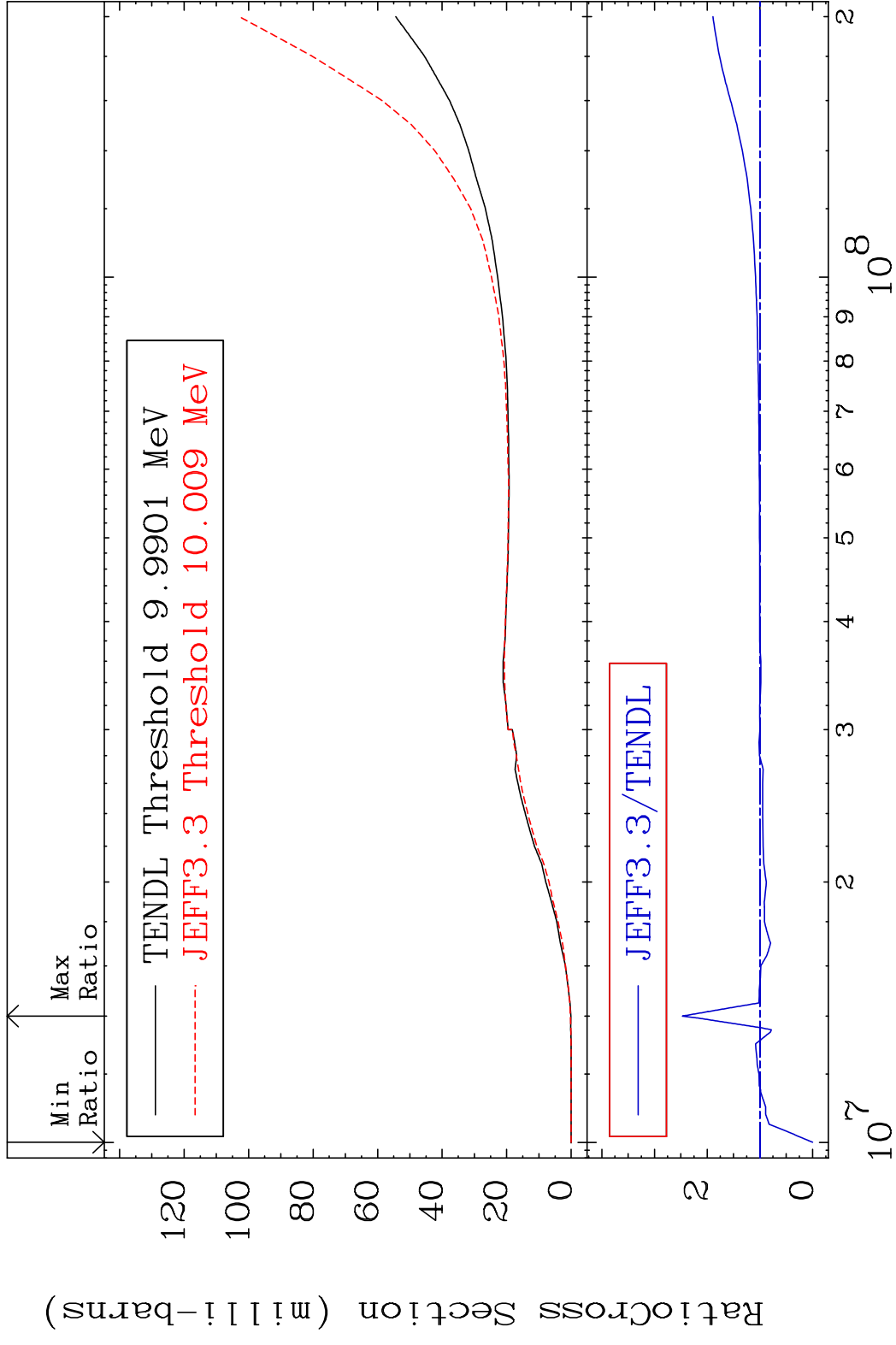
MAT 1925 (n,d)  $\alpha$  19-K -39  
 Cross Section -100.0 To 328.0 %







MAT 1925 Tritium Production 19-K -39  
 Cross Section -100.0 To 147.1 %



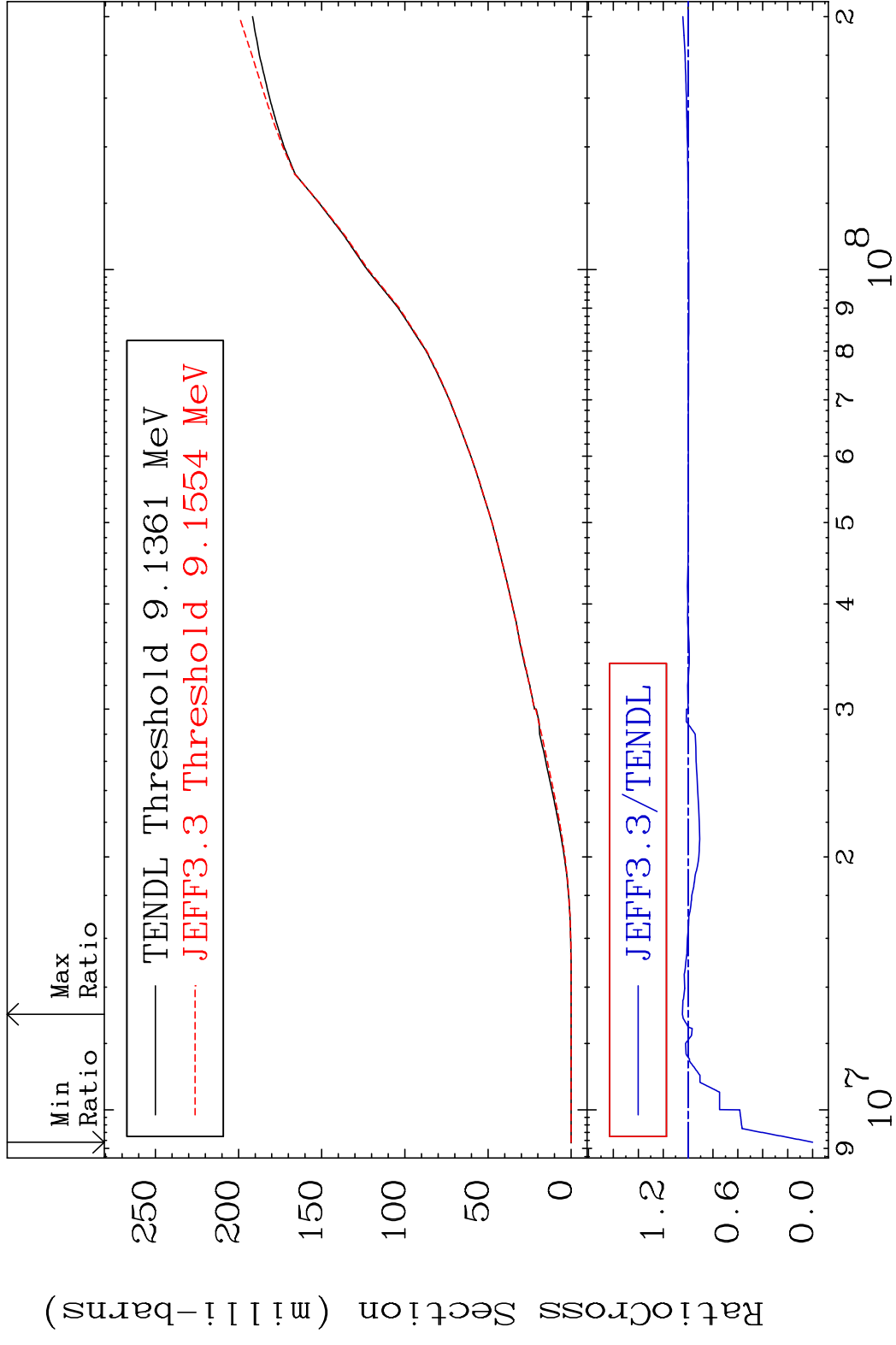
59 19-K -39

MAT 1925

He-3 Production

19-K -39

Cross Section -100.0 To 4.593 %



60

Incident Energy (eV)

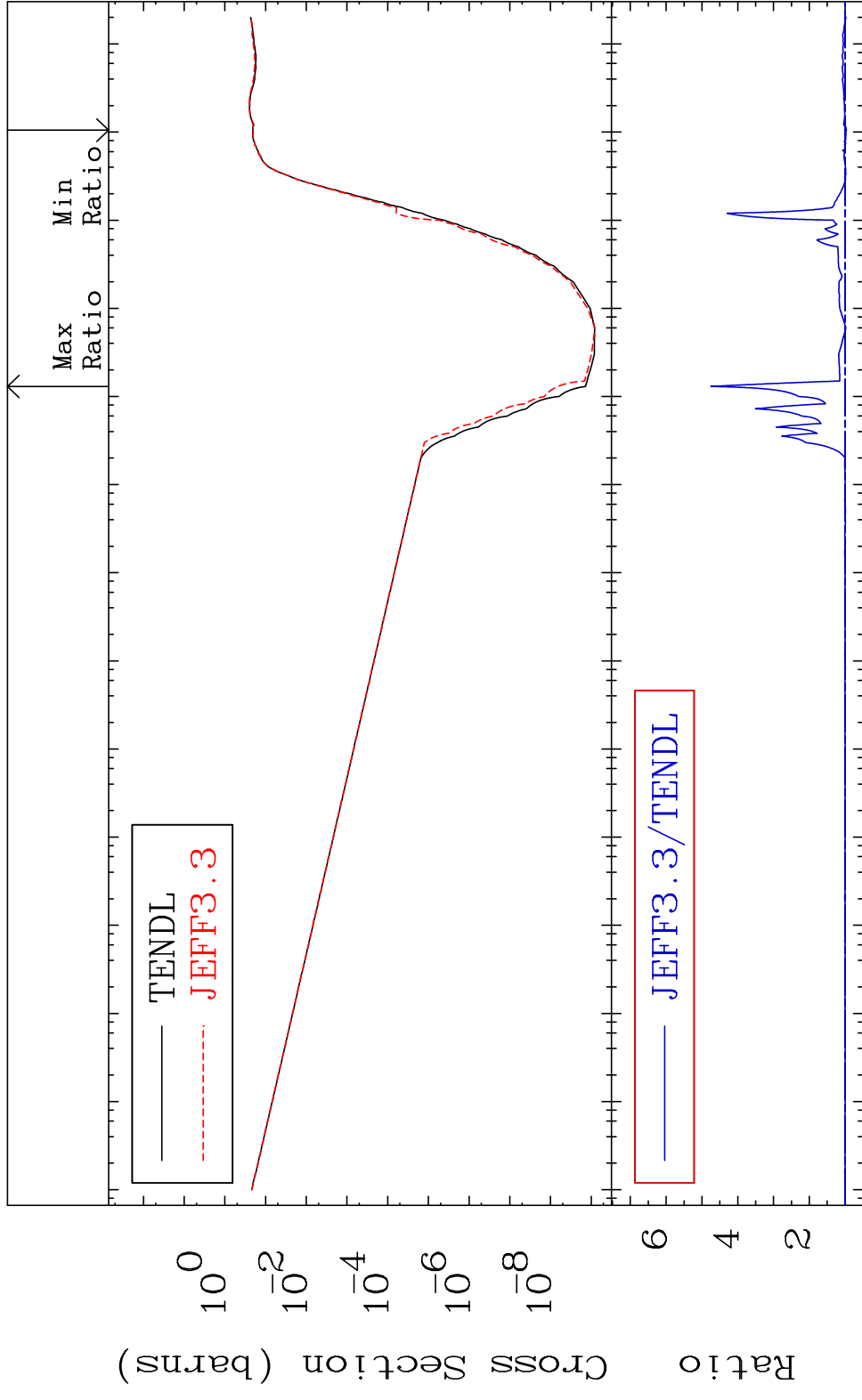
19-K -39

MAT 1925

He-4 Production

19-K -39

Cross Section -3.452 To 375.5 %

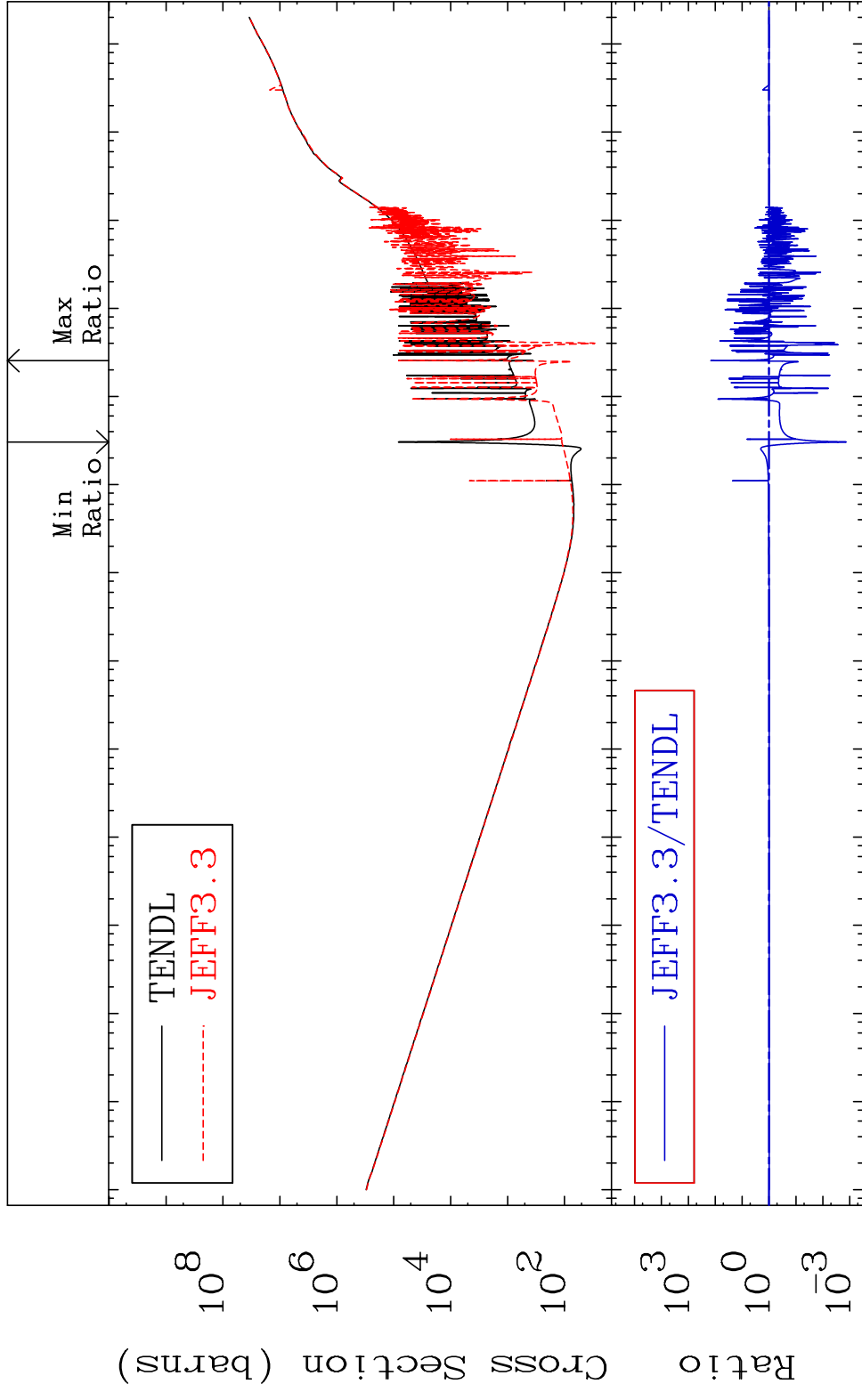


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Incident Energy (eV)

19-K -39

MAT 1925 Kerma total (eV-barns) 19-K -39  
 Cross Section -99.87 To 9999. %

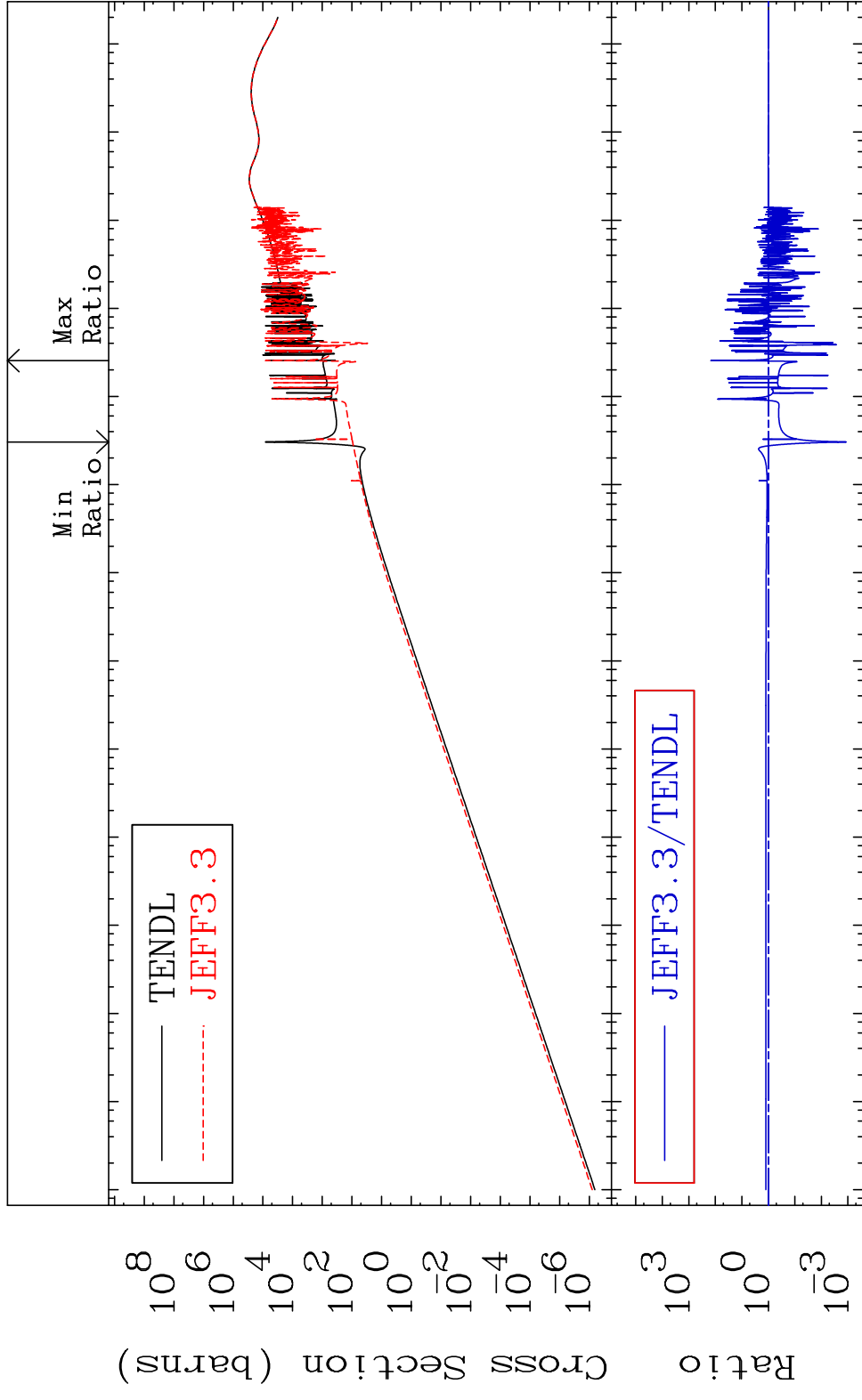


62 Incident Energy (eV) 19-K -39

MAT 1925

Kerma elastic  
Cross Section

19-K -39  
-99.89 To 9999. %



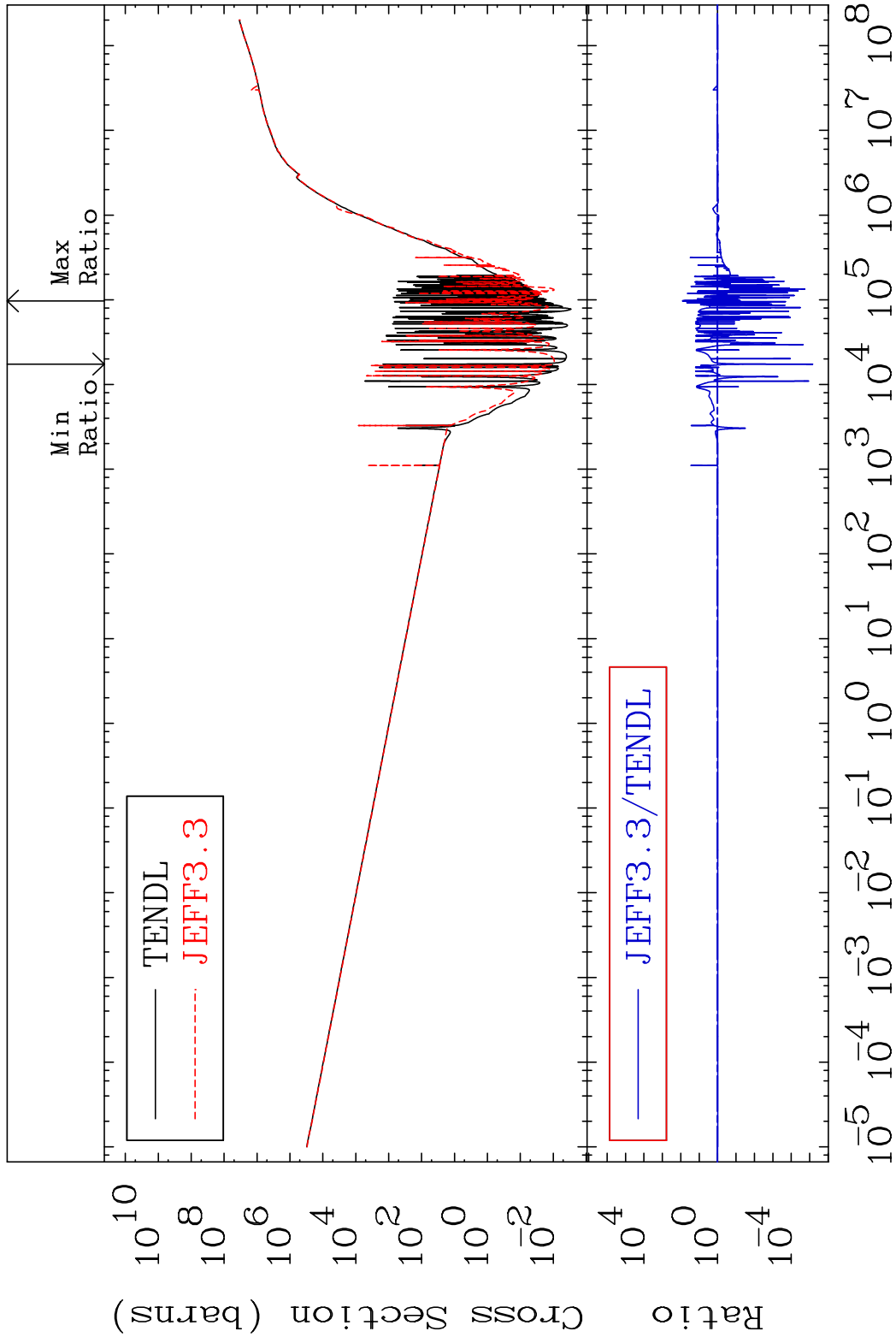
63

Incident Energy (eV)

19-K -39

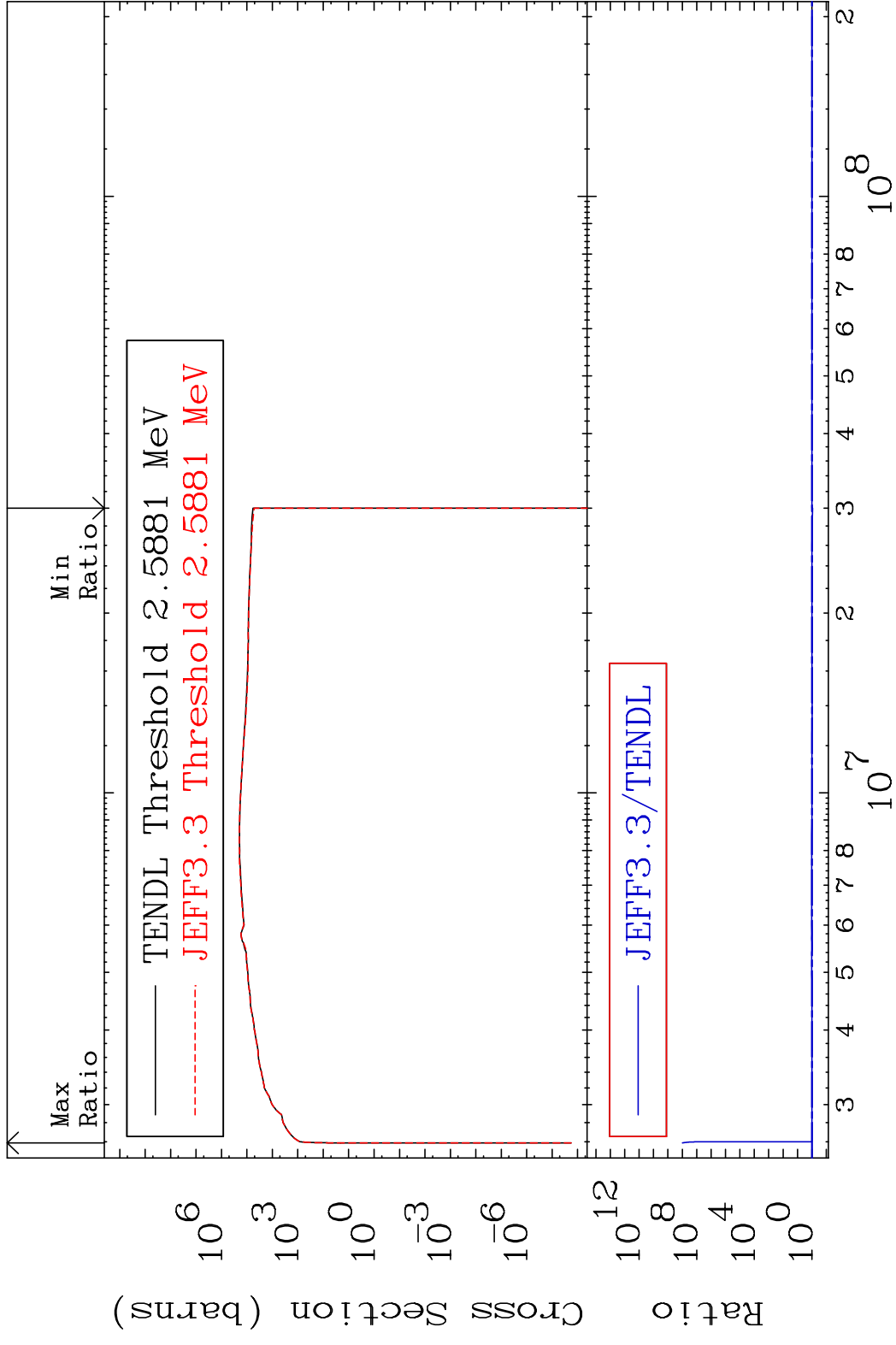


MAT 1925 Kerma non-elastic (all but mt2) 19-K -39  
 Cross Section -100.0 To 8106. %

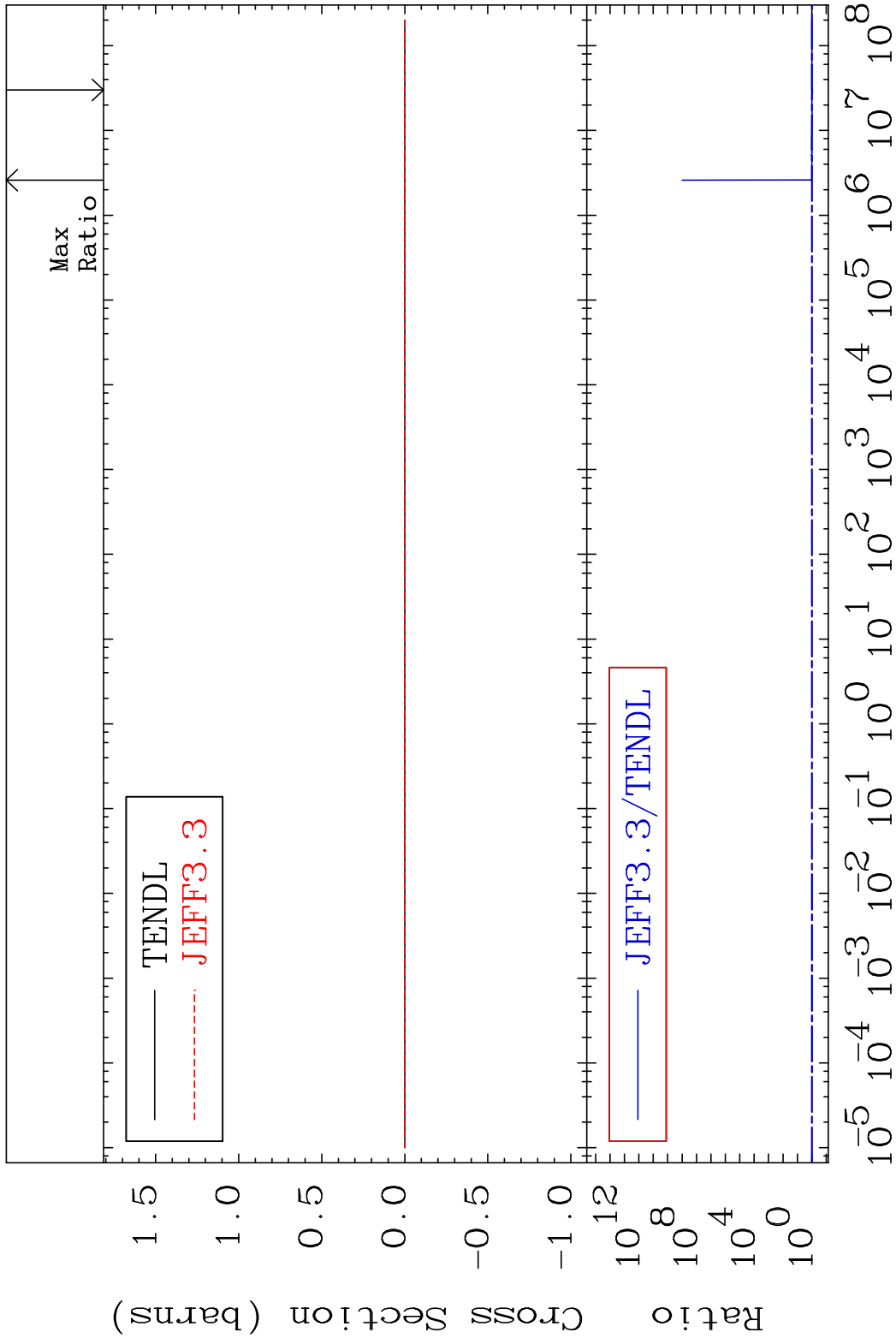


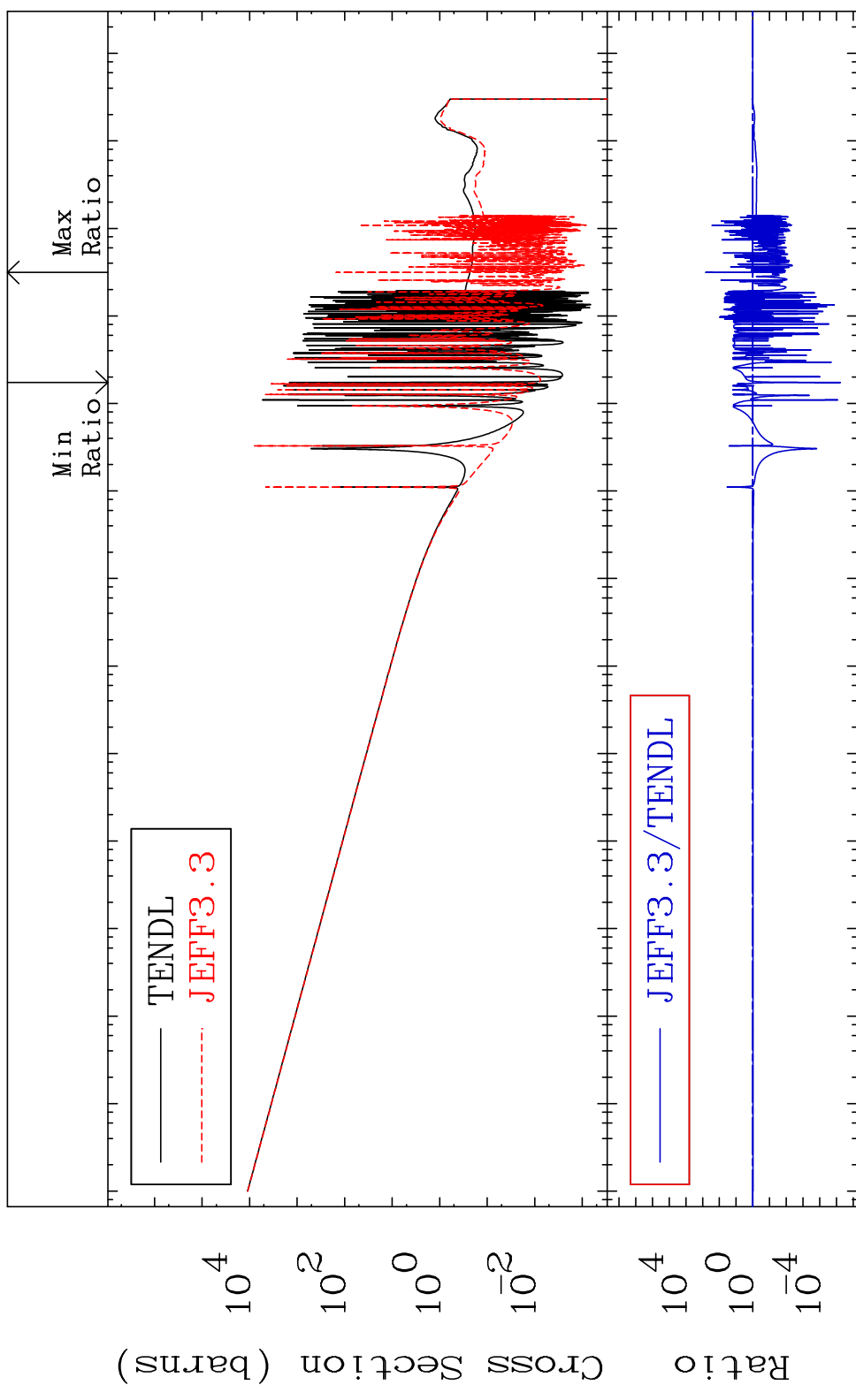
64 Incident Energy (eV) 19-K -39

MAT 1925 Kerma inelastic (mt51-91) 19-K -39  
 Cross Section -9.948 To 9999. %

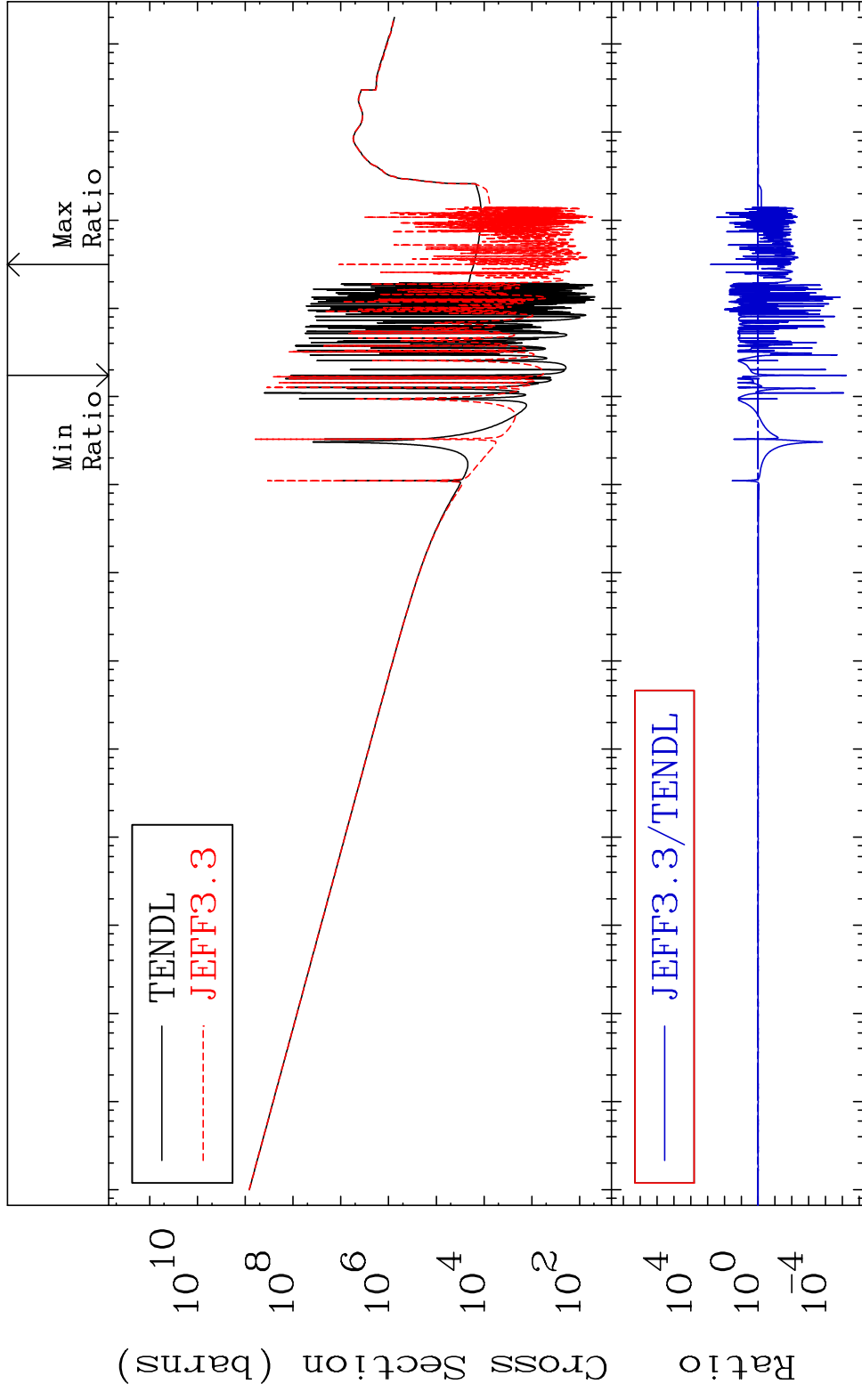


MAT 1925 Kerma fission (mt18 or mt19-20-21-38) 19-K -39  
 Cross Section -9.948 To 9999. %

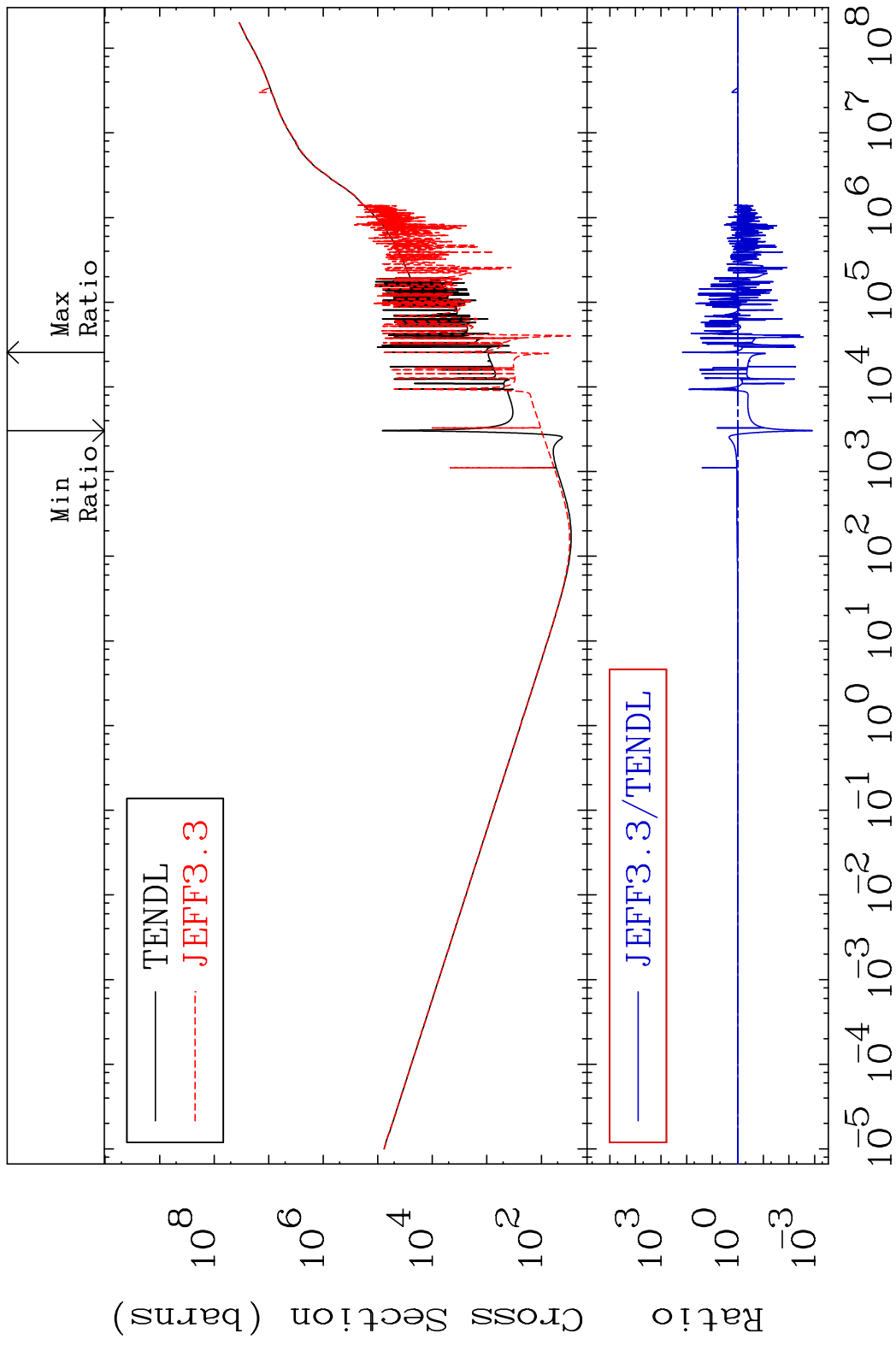




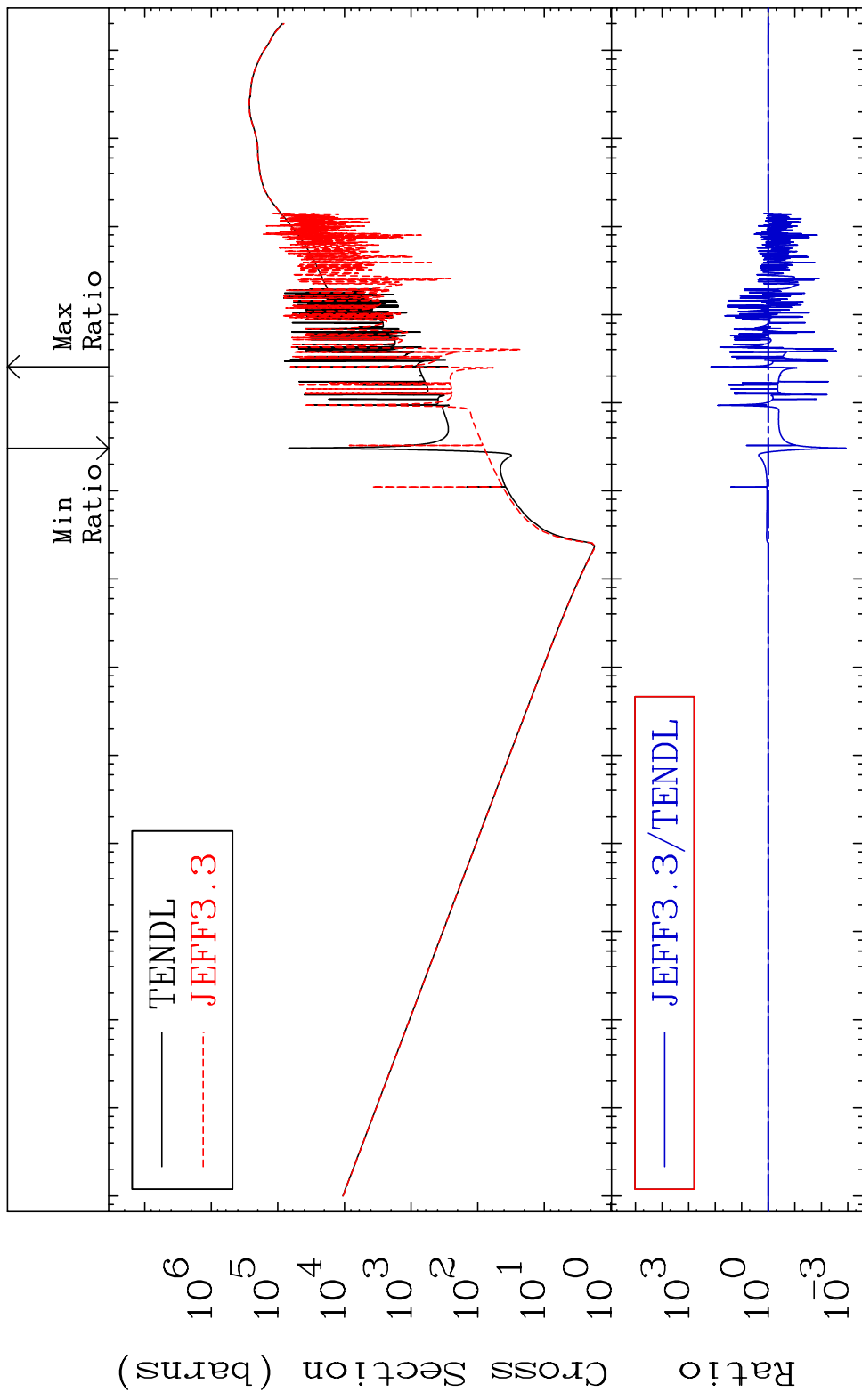
MAT 1925 Total photon (eV-barns) 19-K -39  
 Cross Section -100.0 To 9999. %



MAT 1925 Total kinematic kerma (high limit) 19-K -39  
 Cross Section -99.88 To 9999. %



MAT 1925 Dpa total (eV-barns) 19-K -39  
 Cross Section -99.89 To 9999. %



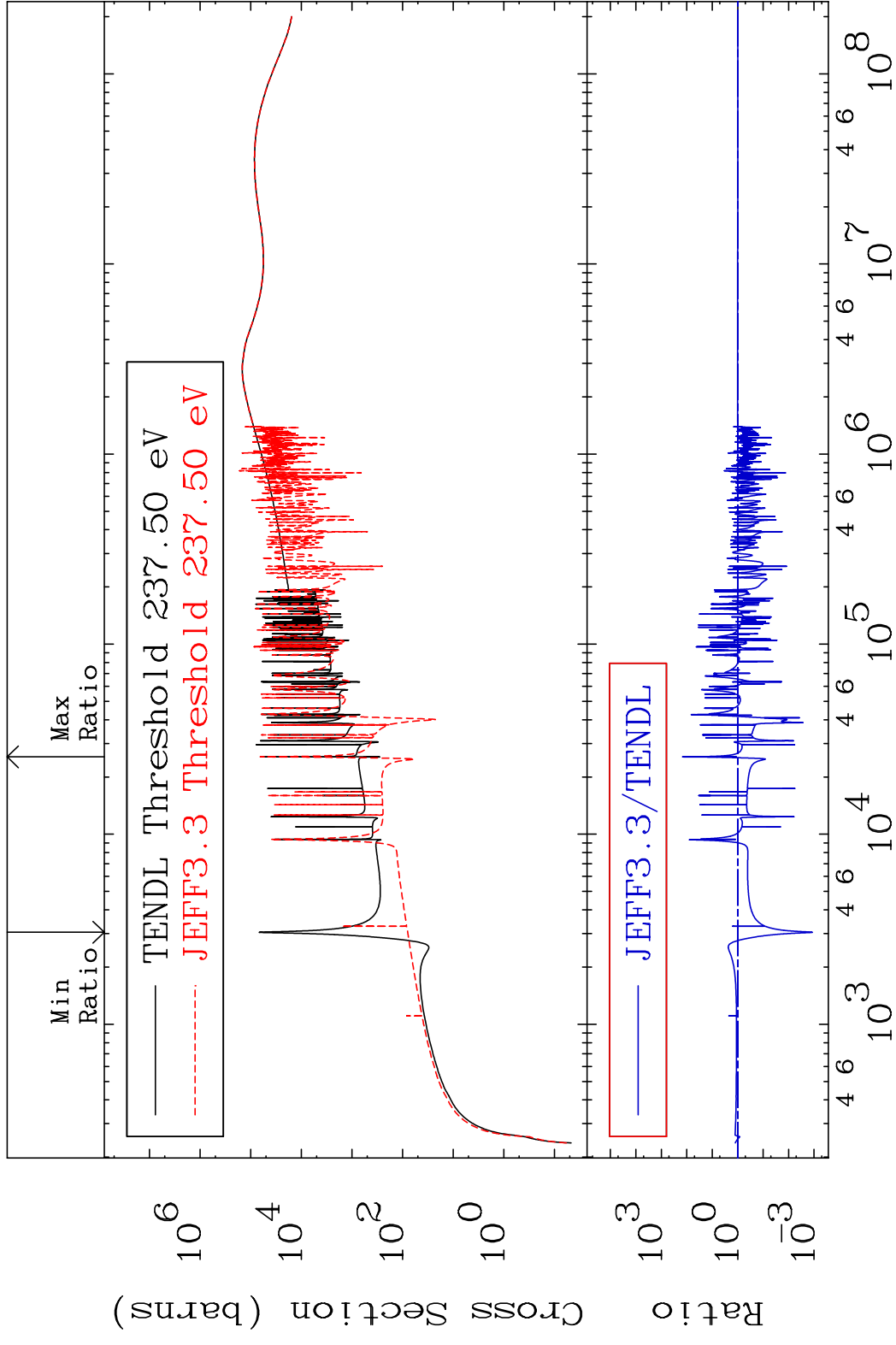
70 Incident Energy (eV) 19-K -39

MAT 1925

Dpa elastic (mt2)

19-K -39

Cross Section -99.89 To 9999. %



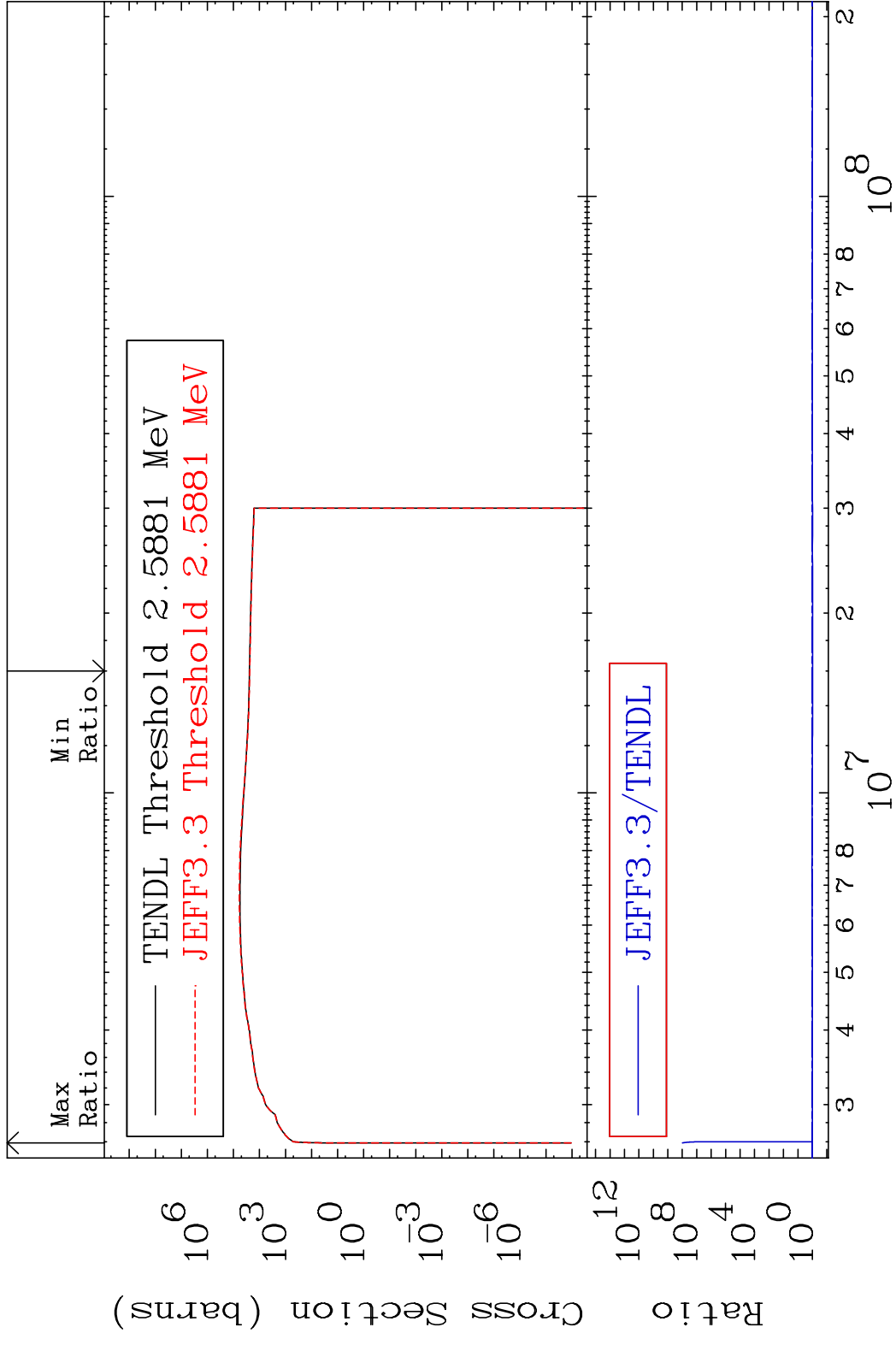
71

Incident Energy (eV)

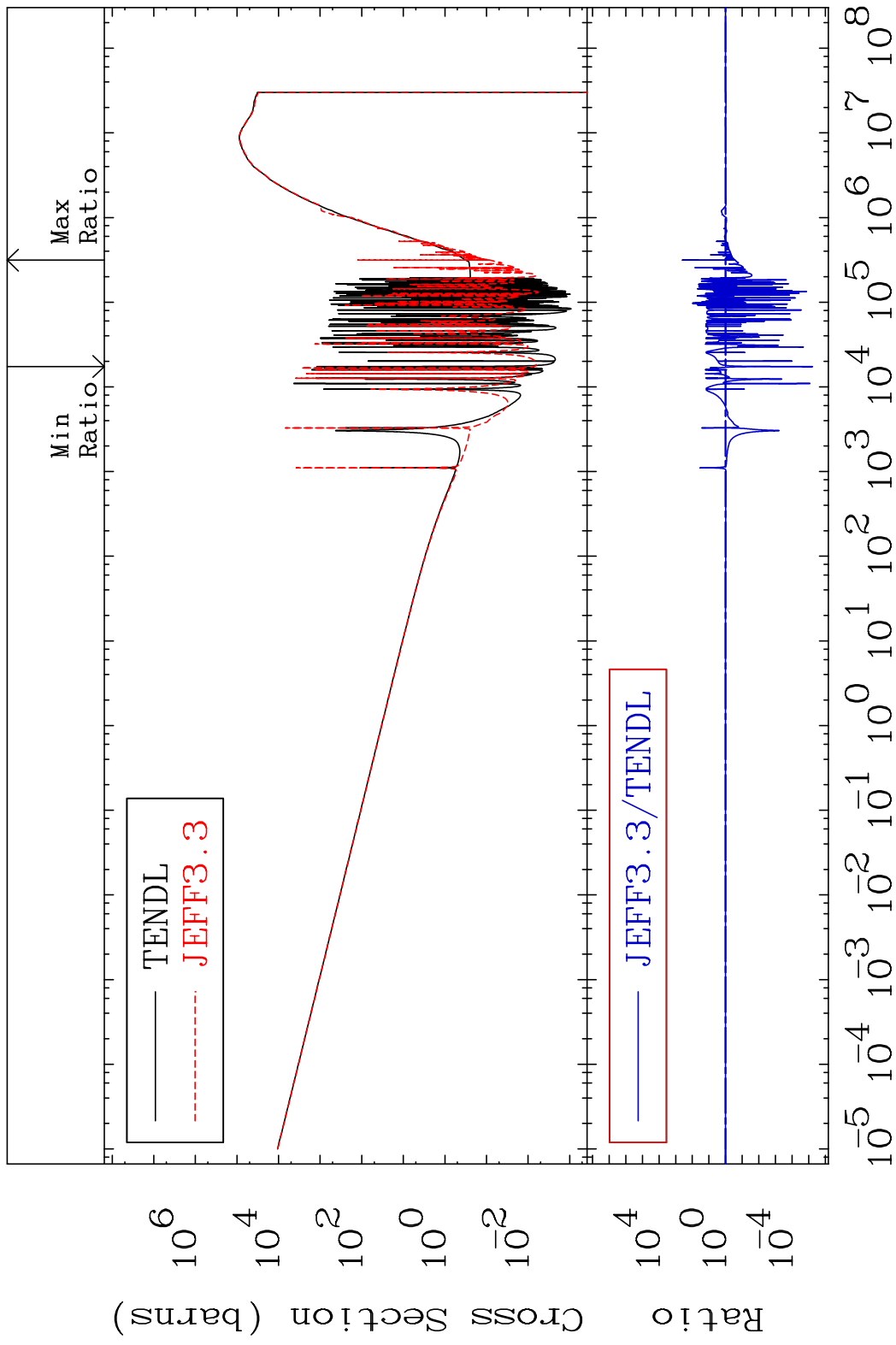
19-K -39



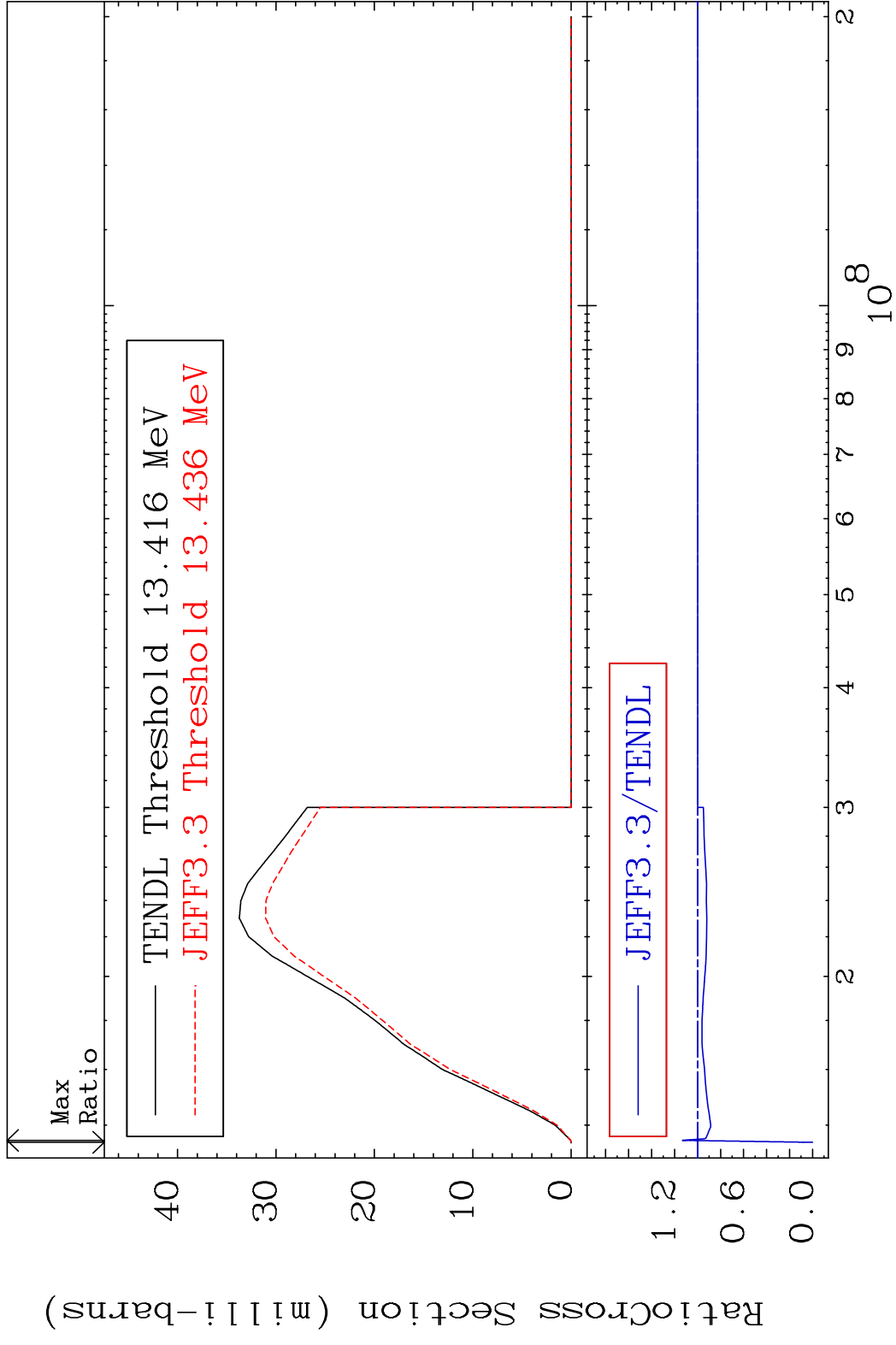
MAT 1925 Dpa inelastic (mt51-91) 19-K -39  
 Cross Section -2.543 To 9999. %

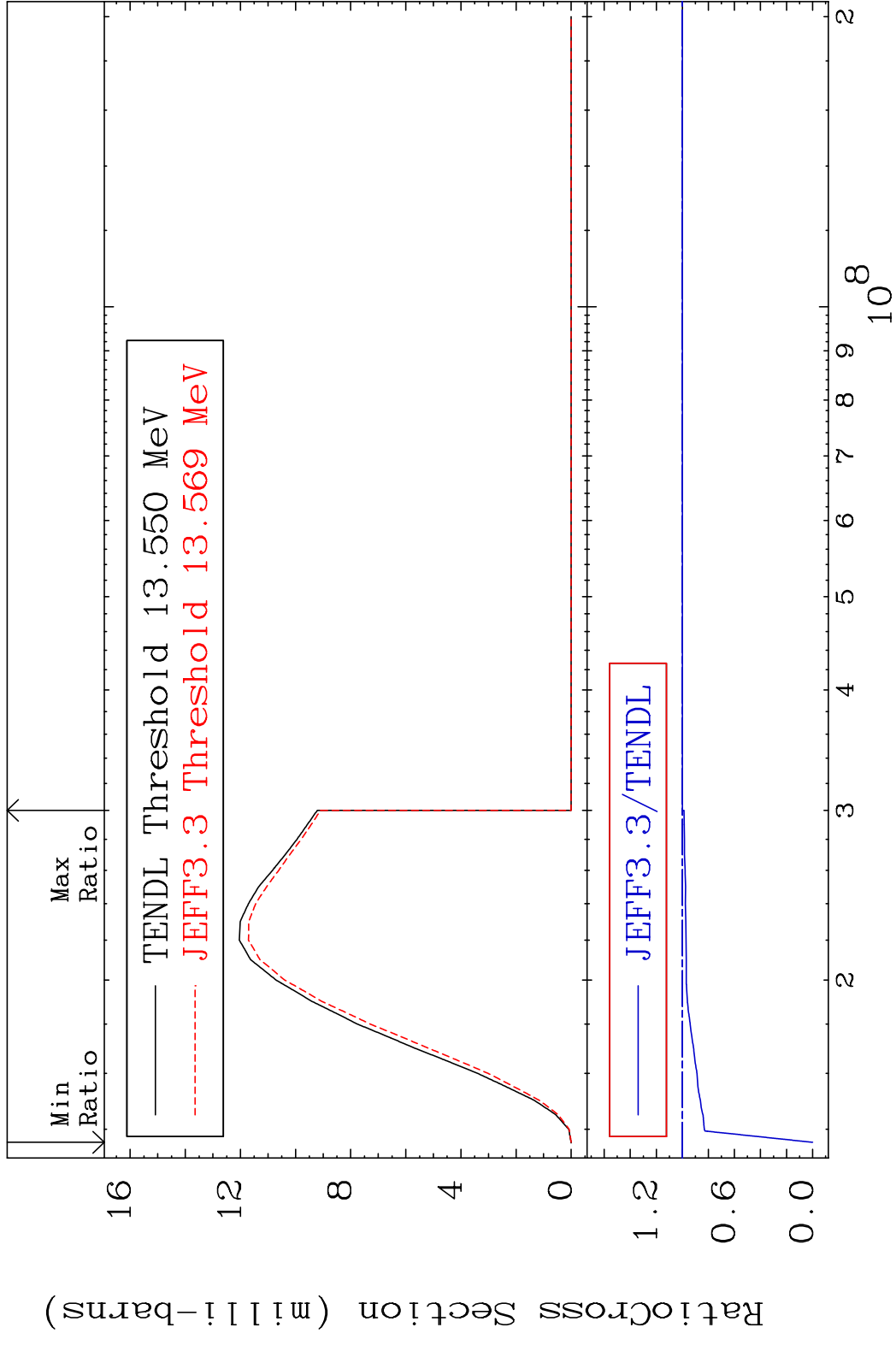


MAT 1925 Dpa disappearance (mt102 -120) 19-K -39  
 Cross Section -100.0 To 9999. %

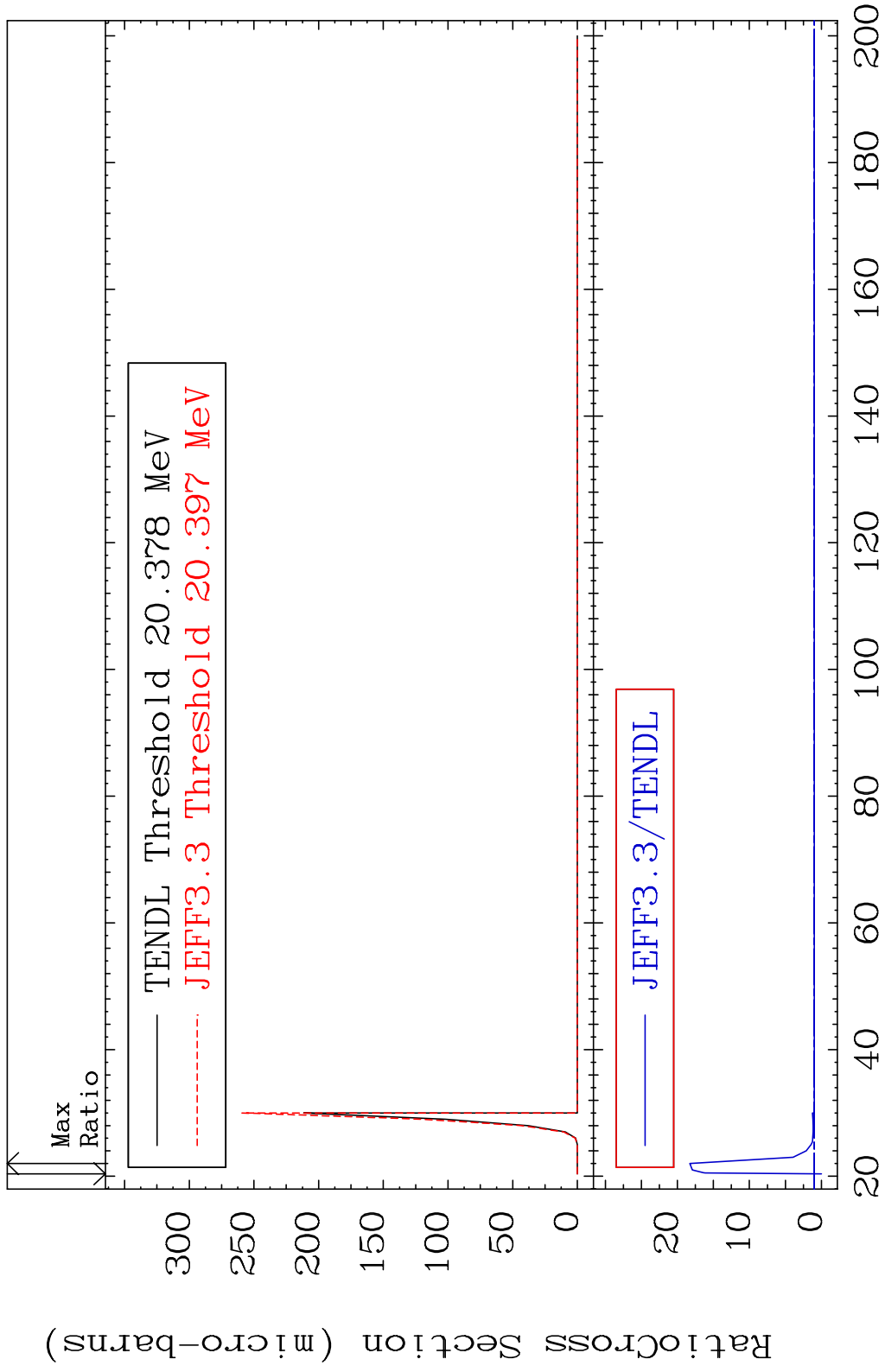


MAT 1925 (n,2n):19-K -38g 19-K -39  
 Radionuclide Production Cross Section 13.27 %



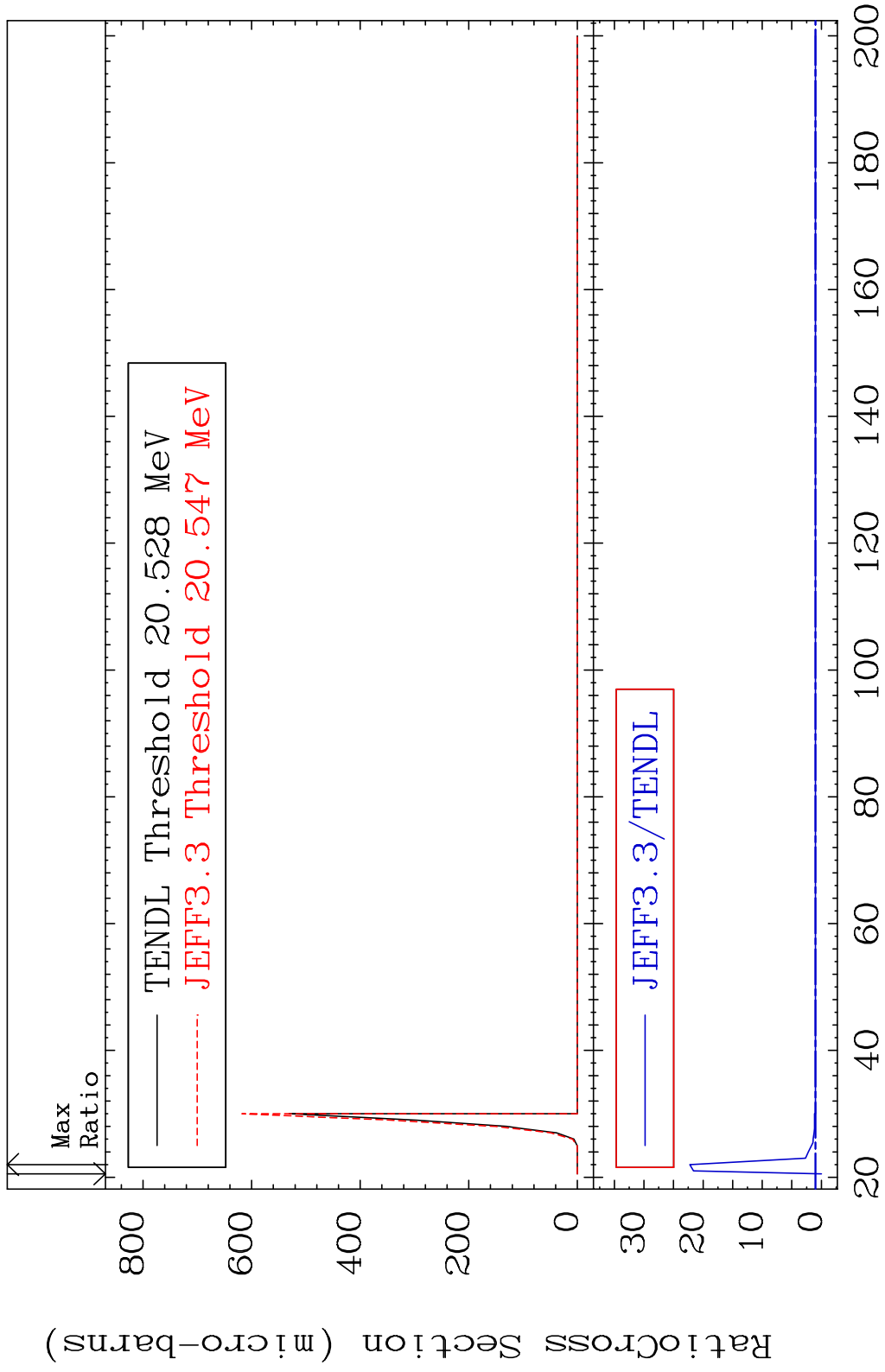


MAT 1925 (n,2n)  $\alpha$ :17-Cl-34g 19-K -39  
 Radionuclide Production Cross Section Ratio 1800:1 to 1728. %

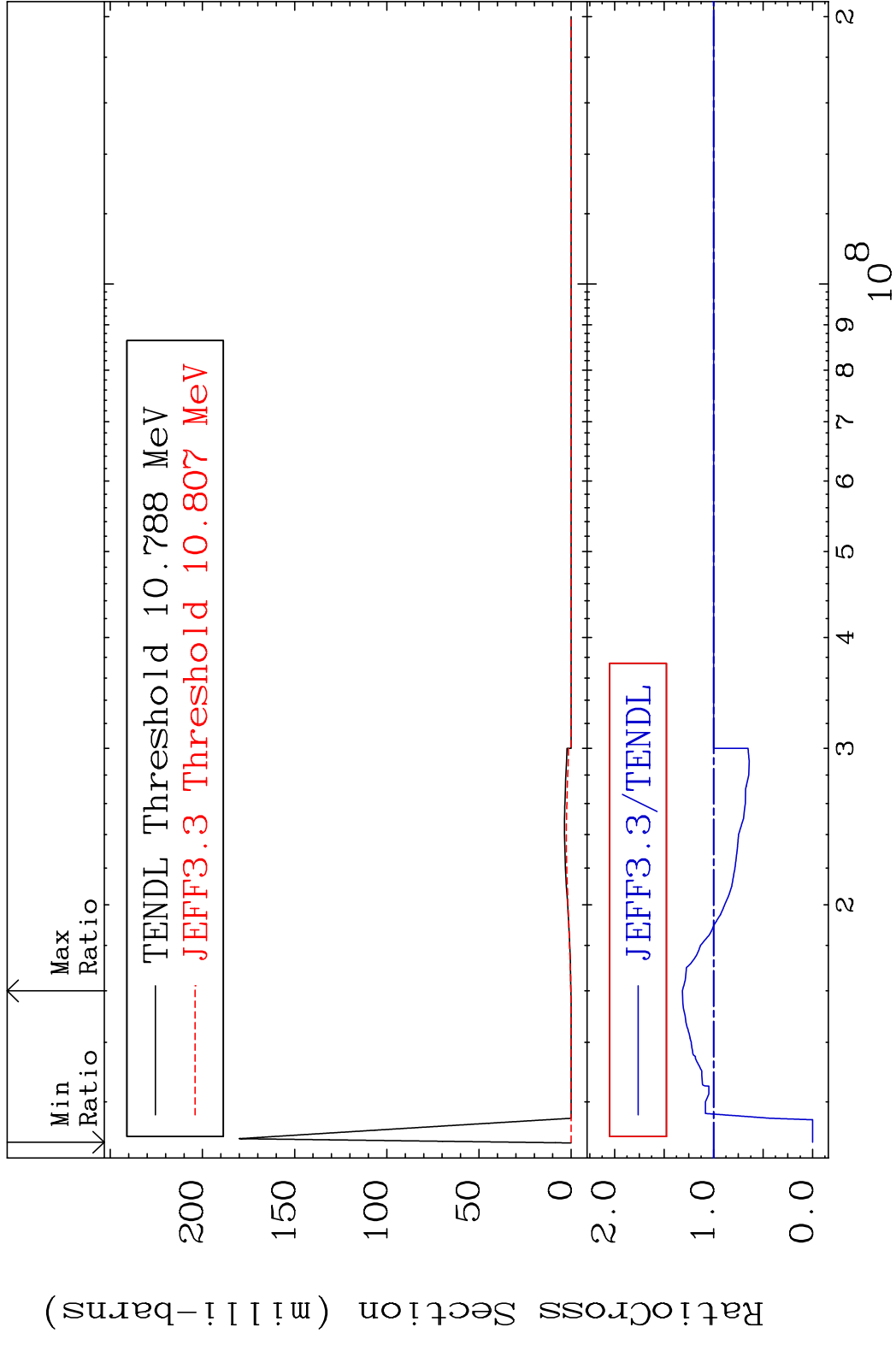


76 Incident Energy (MeV) 19-K -39

MAT 1925 (n,2n)  $\alpha$ :17-CI-34m1 19-K -39  
 Radionuclide Production Cross Section Ratio 2125. %



MAT 1925 (n,2p):17-C1-38g 19-K -39  
 Radionuclide Production Cross Section 180.01 dth 31.54 %



MAT 1925 (n,2p):17-C1-38m1 19-K -39  
 Radionuclide Production Cross Section 52.661 mb 38.03 %

