

Program Complot  
(Version 2021-1)

by

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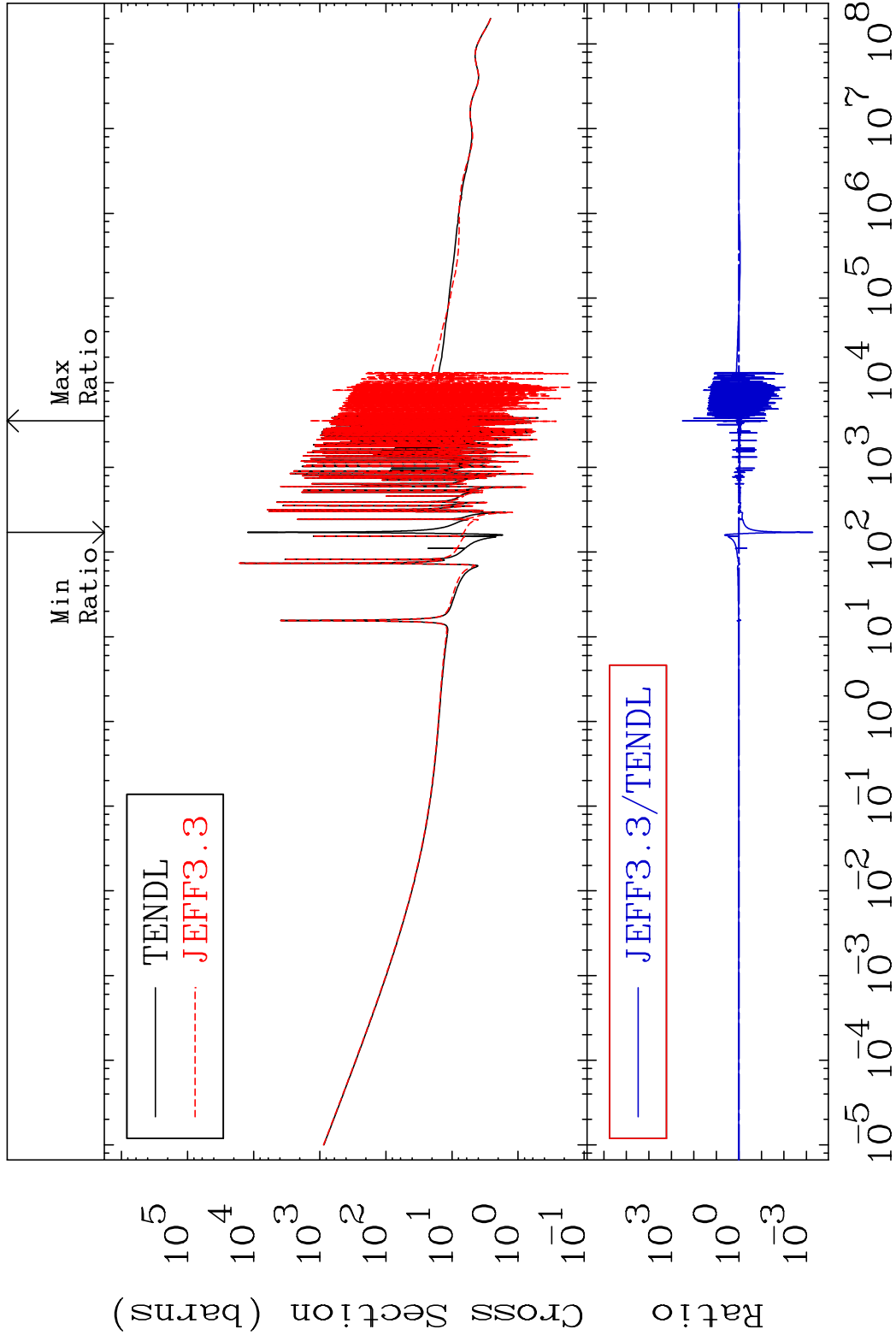
Press Mouse Button to Start

MAT 6837

Total

68-Er-166

Cross Section -99.95 To 9999. %



1

Incident Energy (eV)

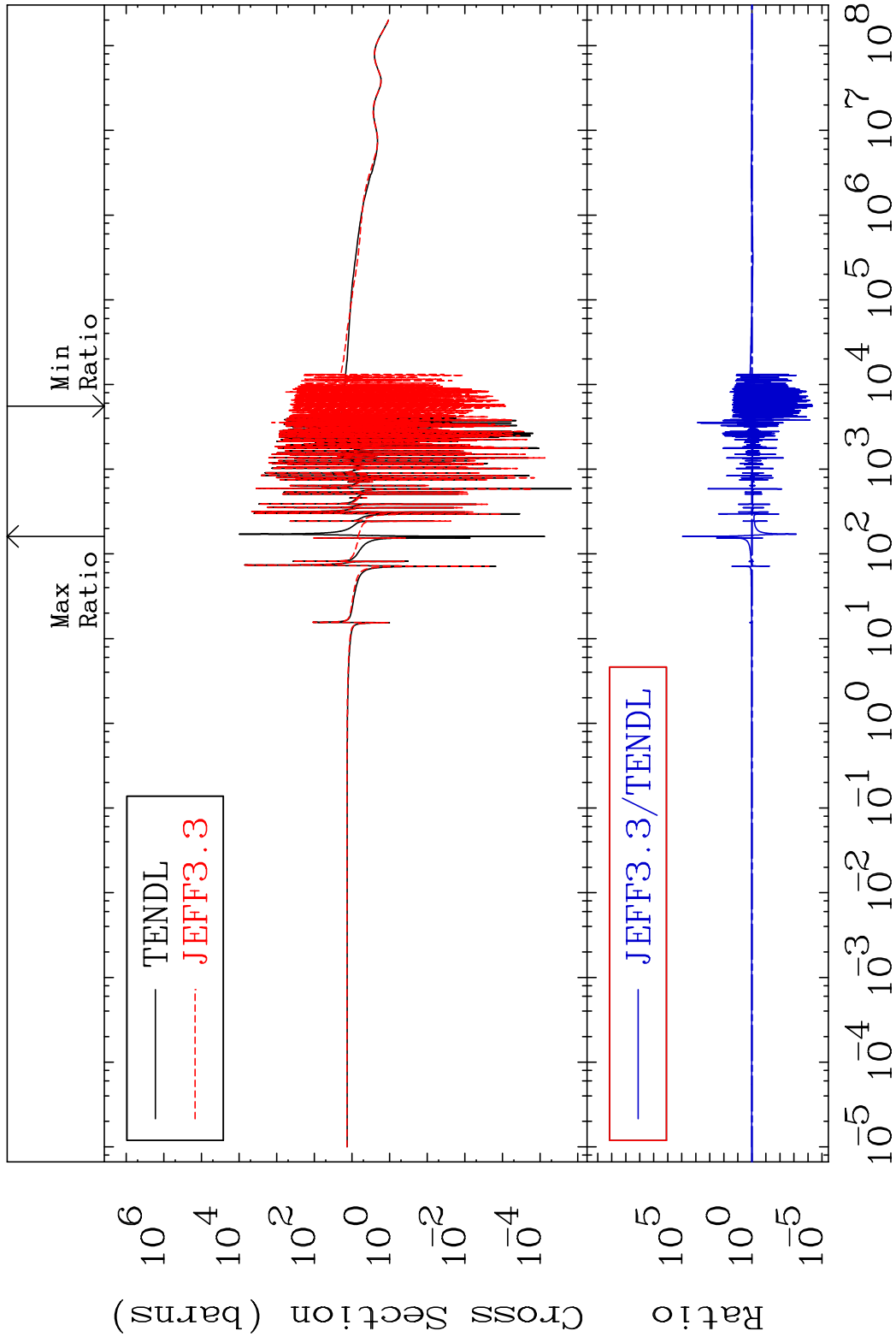
68-Er-166

MAT 6837

Elastic

68-Er-166

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

68-Er-166

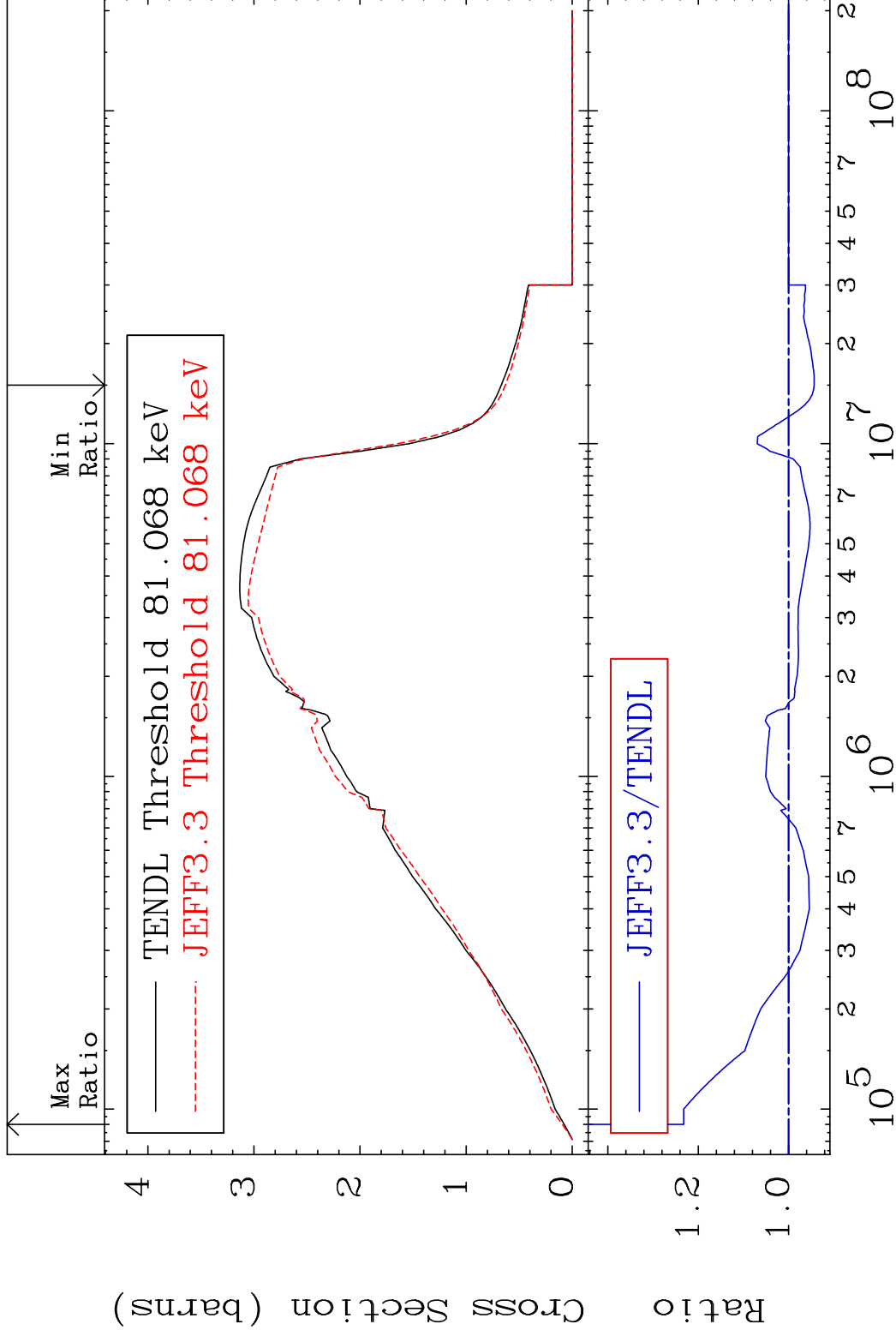
MAT 6837

Inelastic

68-Er-166

Cross Section

-5.657 To 23.22 %



3

Incident Energy (eV)

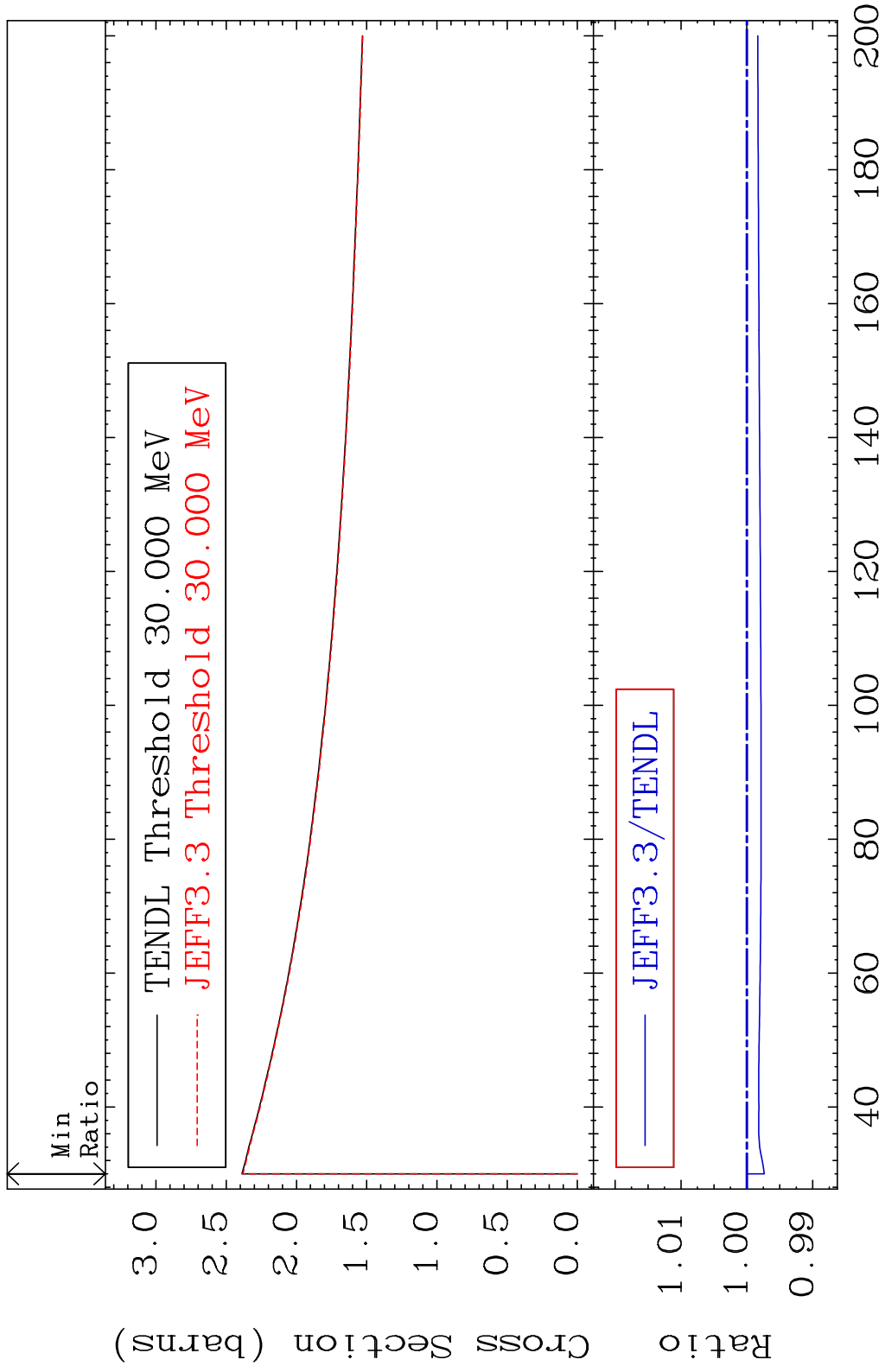
68-Er-166

MAT 6837

(n, remainder)

68-Er-166

Cross Section -0.265 To 0.000 %

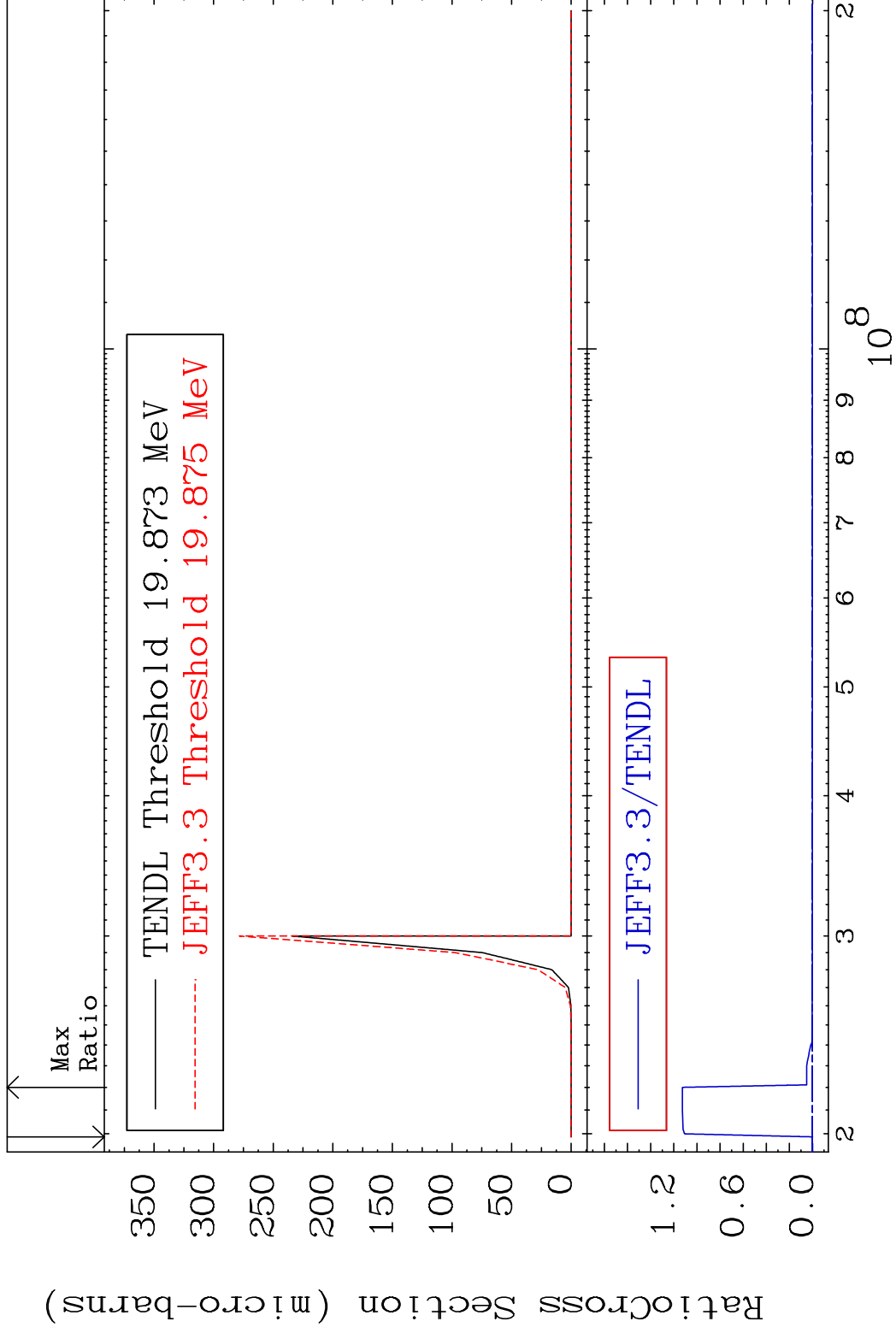


MAT 6837

(n,2n) d

68-Er-166

Cross Section -100.0 To 9999. %



5

Incident Energy (eV)

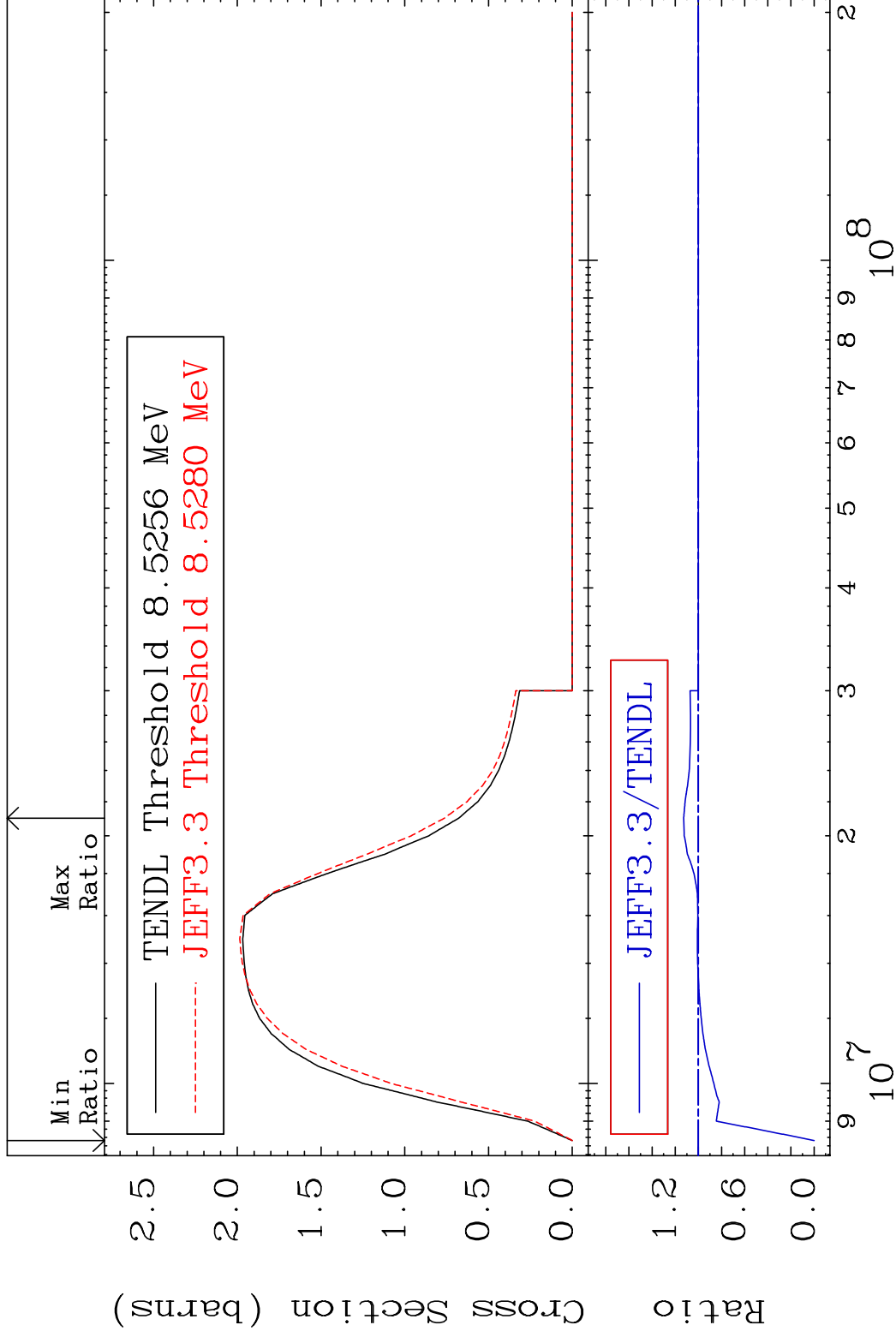
68-Er-166

MAT 6837

(n,2n)

68-Er-166

Cross Section -100.0 To 12.73 %



6

Incident Energy (eV)

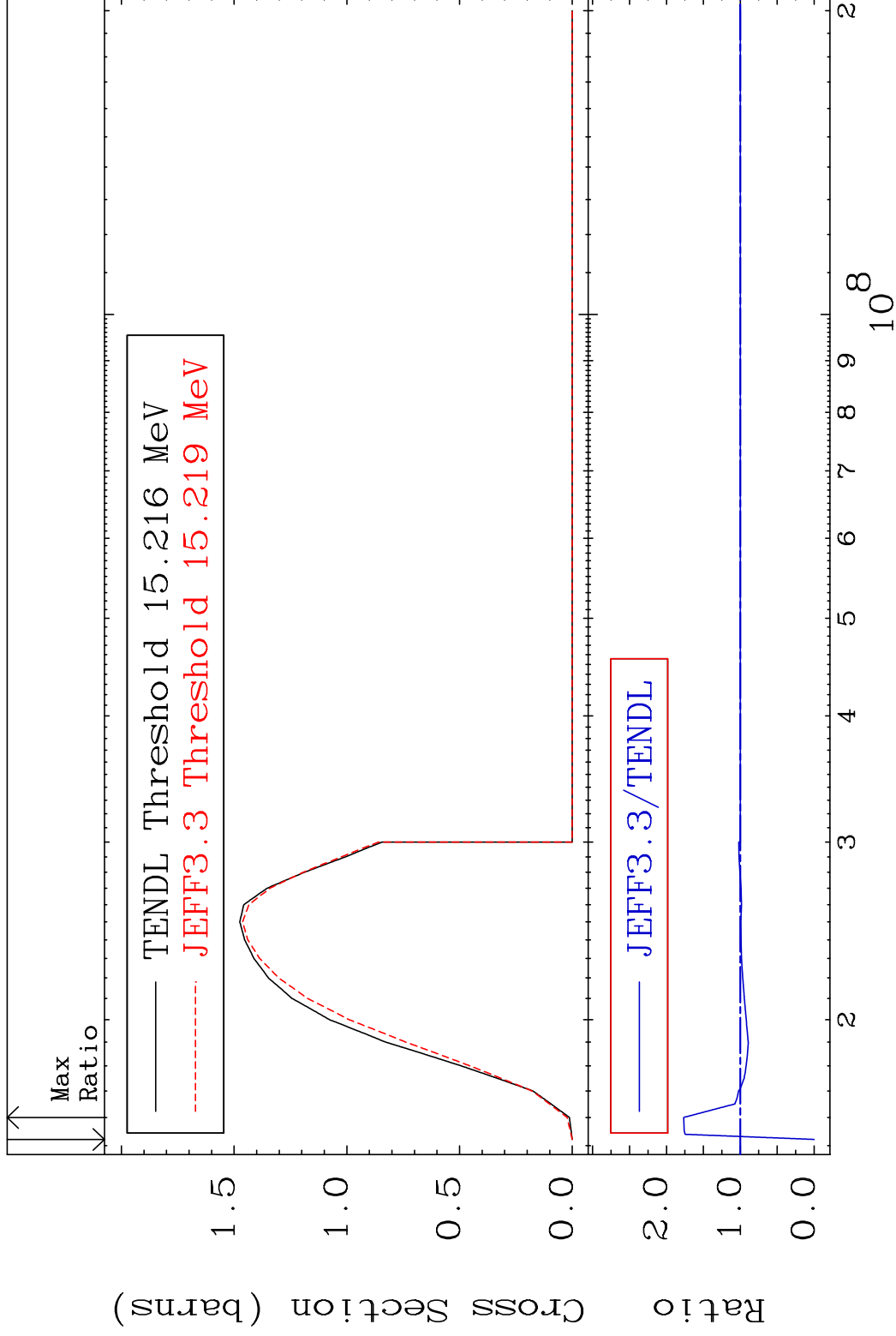
68-Er-166

MAT 6837

(n,3n)

68-Er-166

Cross Section -100.0 To 76.69 %



7

Incident Energy (eV)

68-Er-166

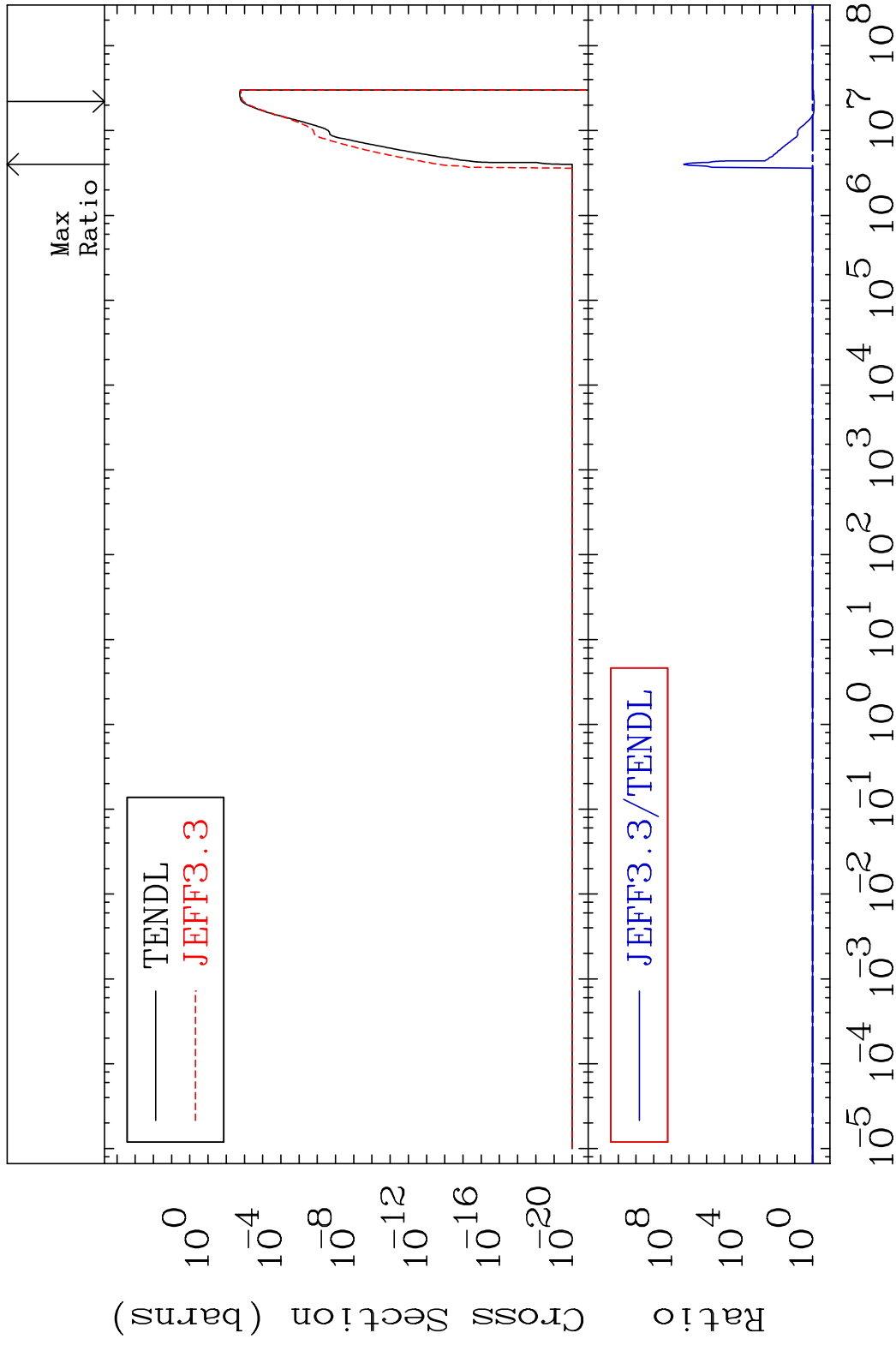


MAT 6837

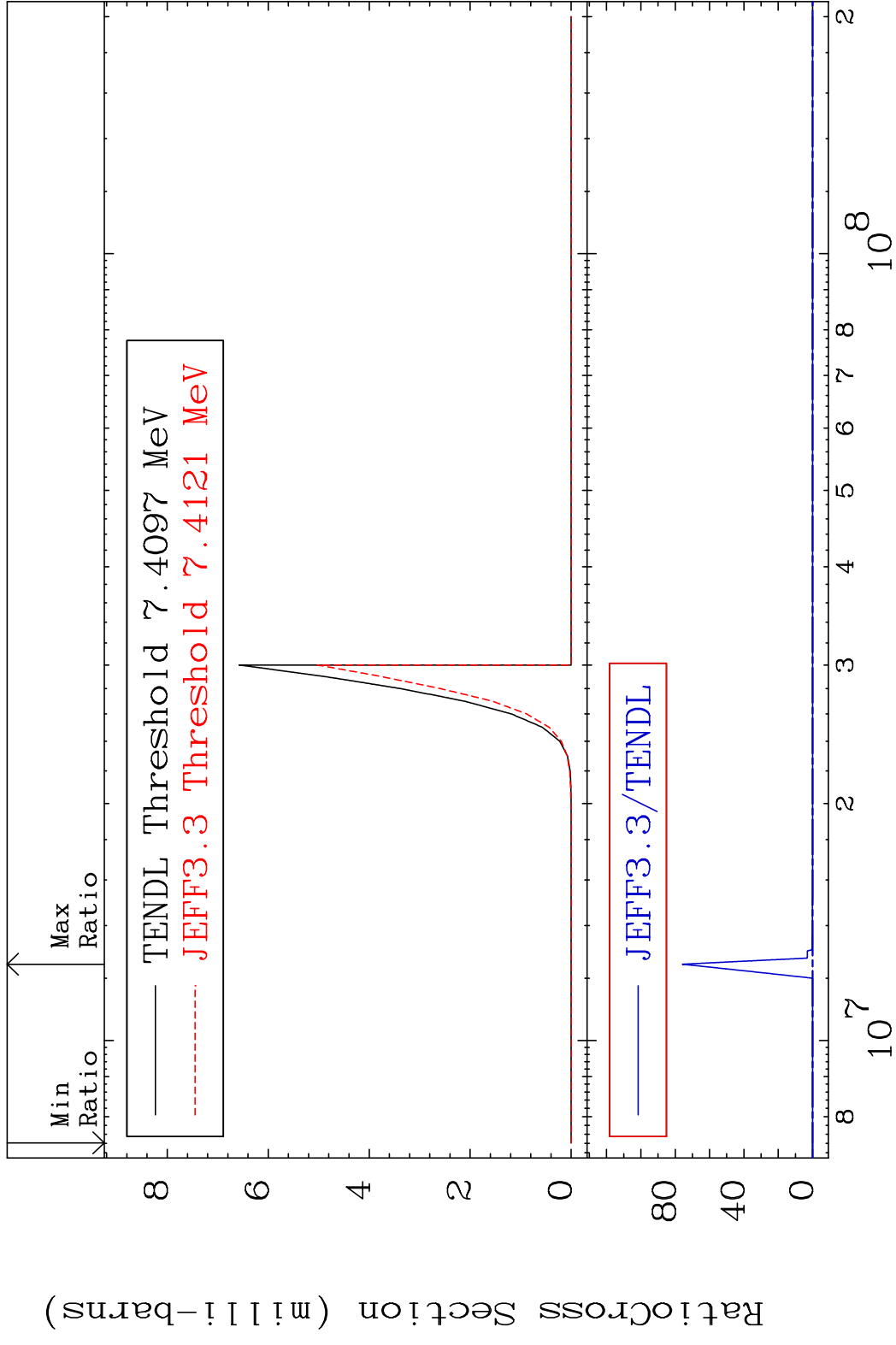
(n, n')  $\alpha$

68-Er-166

Cross Section -18.95 To 9999. %



MAT 6837 (n,2n)  $\alpha$  68-Er-166  
 Cross Section -100.0 To 9999. %



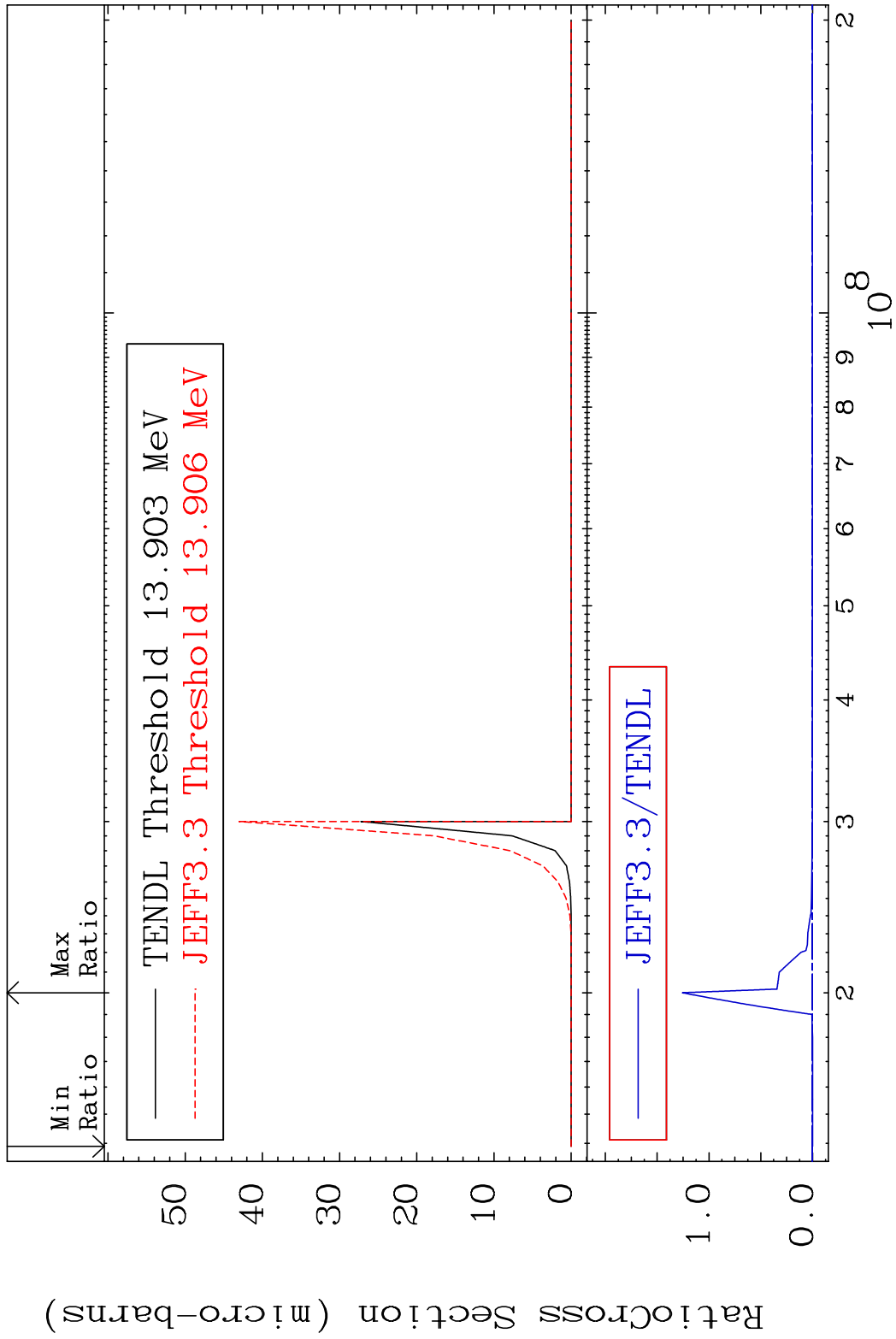
9 Incident Energy (eV) 68-Er-166

MAT 6837

(n,3n)  $\alpha$

68-Er-166

Cross Section -100.0 To 9999. %

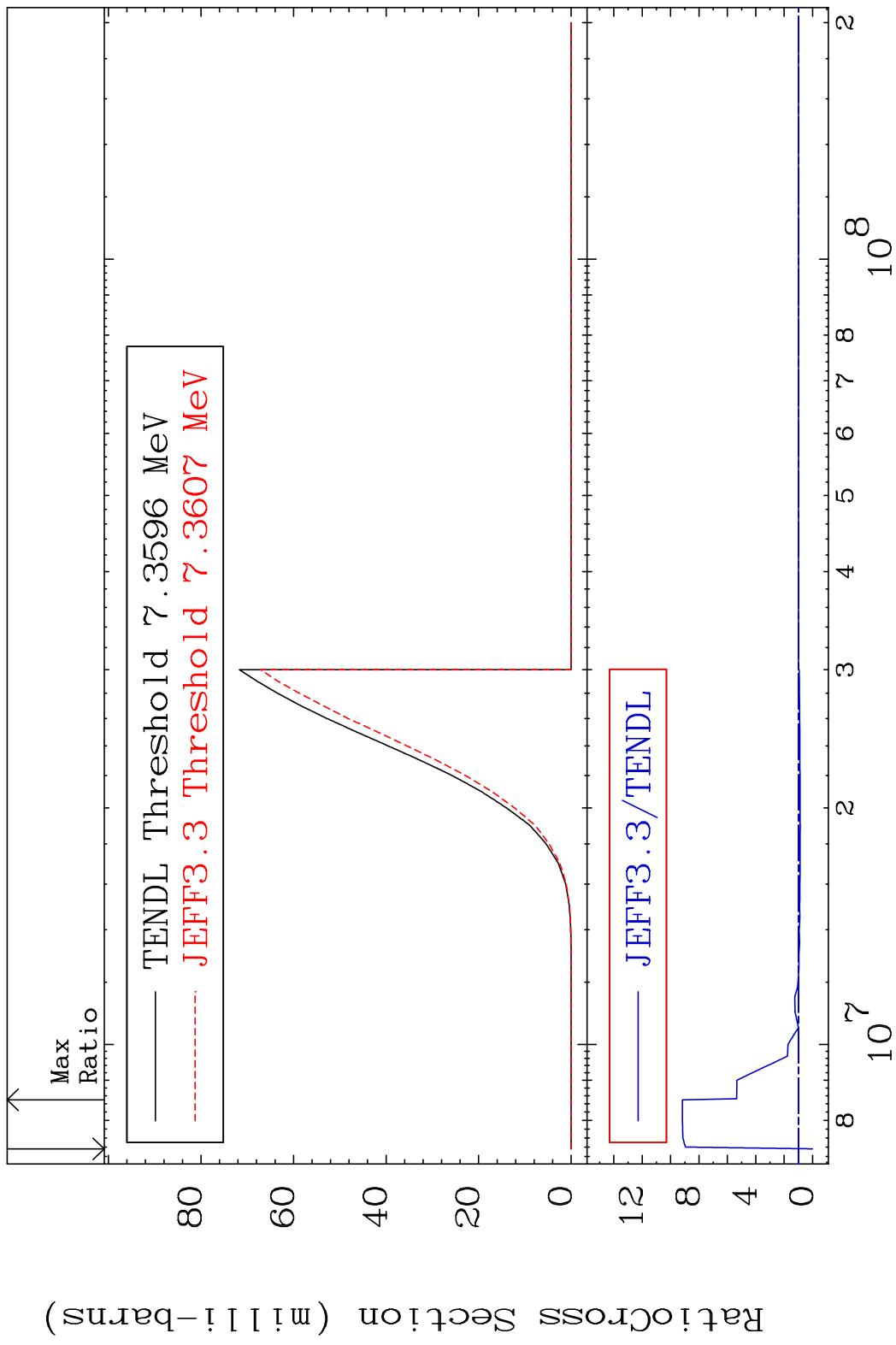


10

Incident Energy (eV)

68-Er-166

MAT 6837 (n, n') p 68-Er-166  
 Cross Section -100.0 To 817.1 %

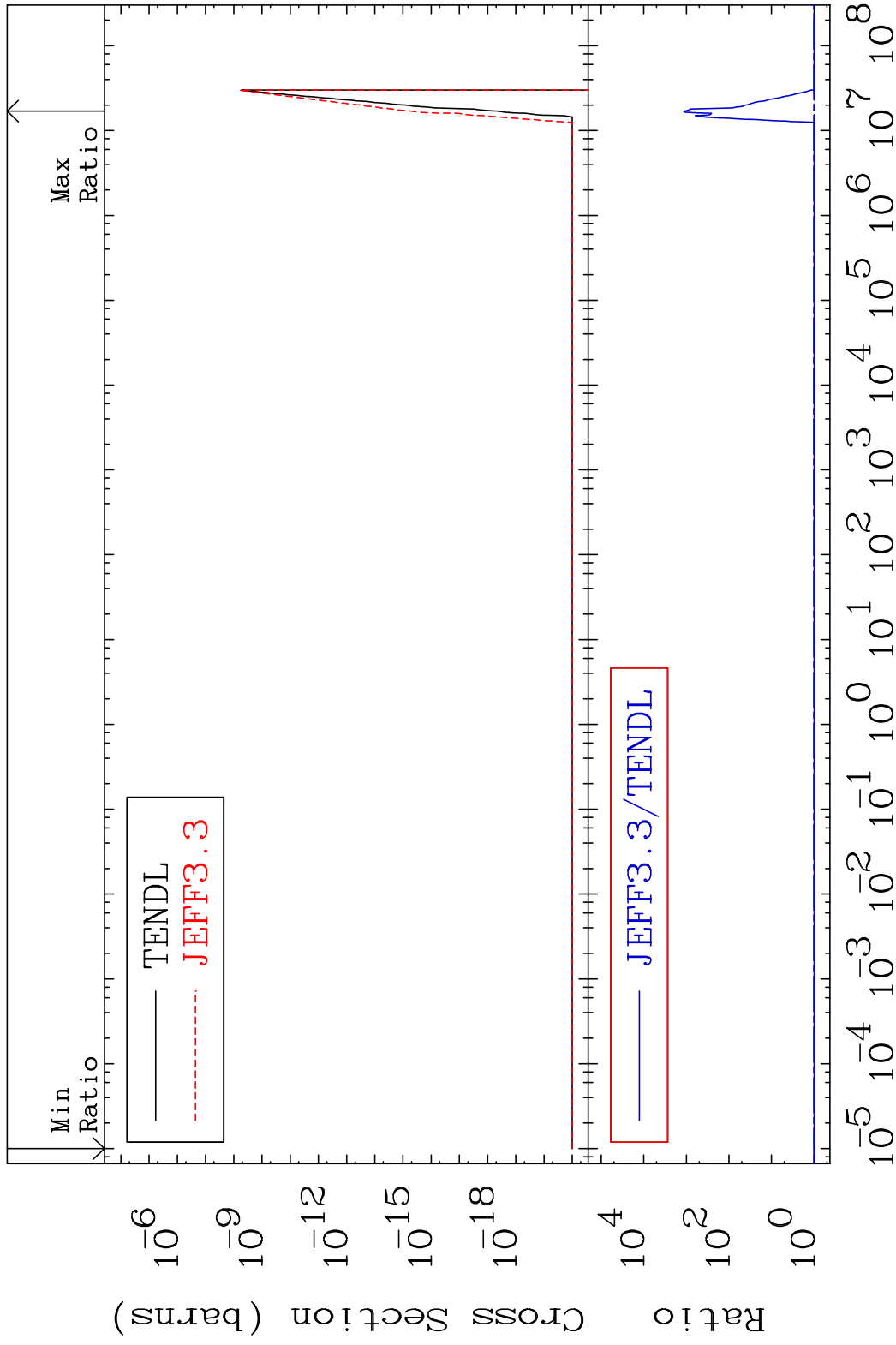


MAT 6837

(n, n') 2α

68-Er-166

Cross Section 0.000 To 9999. %



12

Incident Energy (eV)

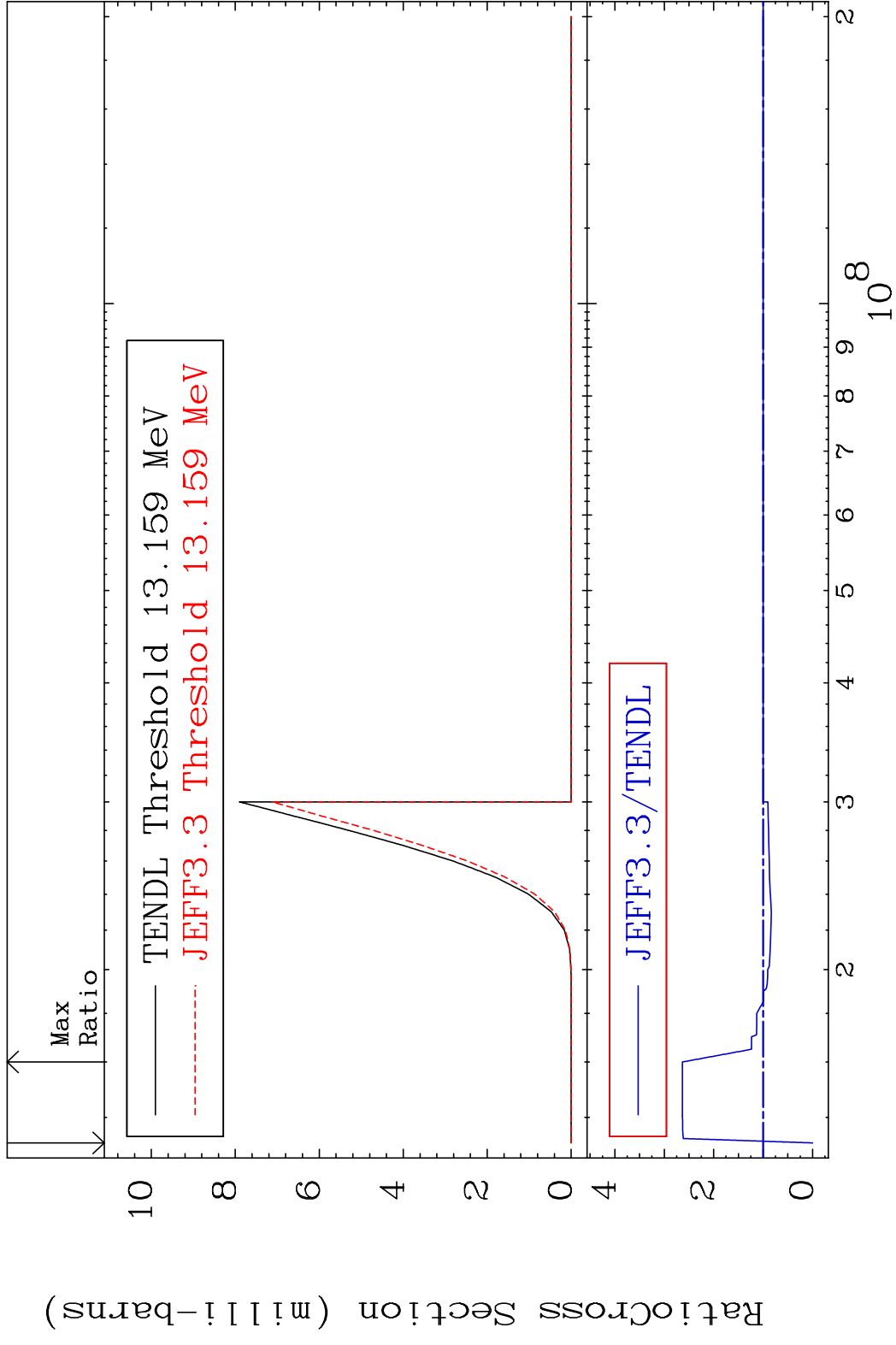
68-Er-166

MAT 6837

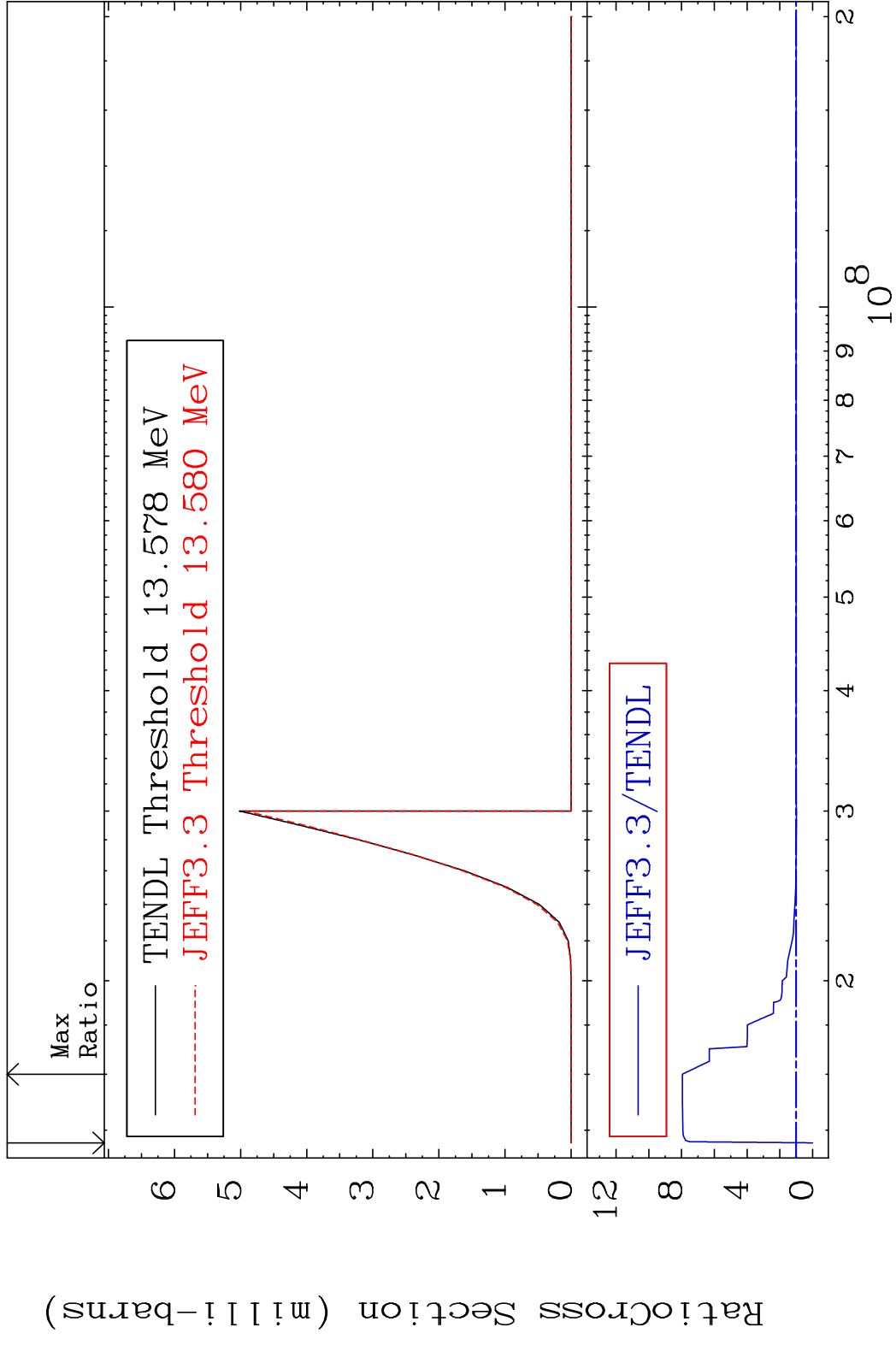
(n, n') d

68-Er-166

Cross Section -100.0 To 163.4 %



MAT 6837 (n, n') t 68-Er-166  
 Cross Section -100.0 To 695.0 %

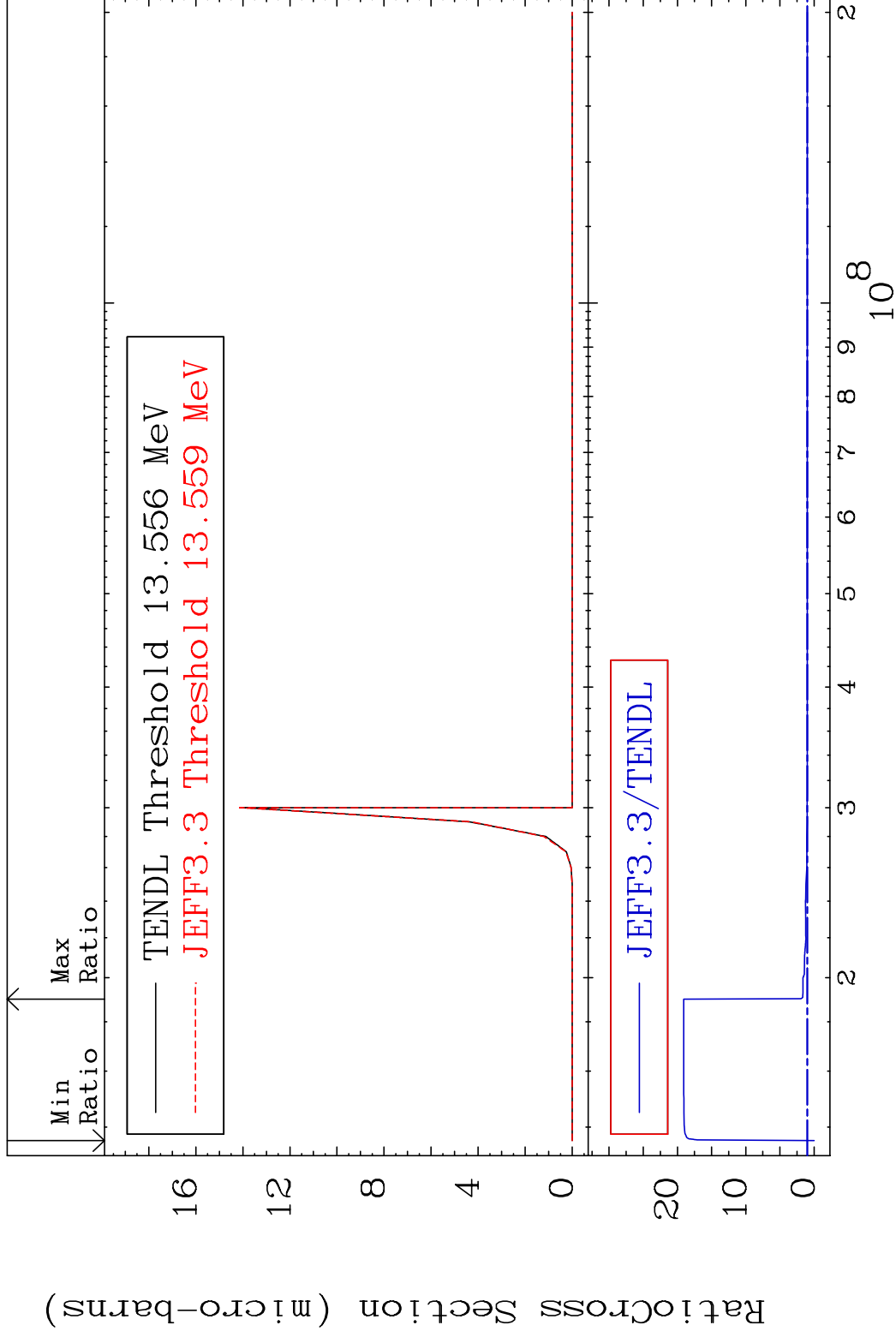


MAT 6837

(n,n') He-3

68-Er-166

Cross Section -100.0 To 1809. %



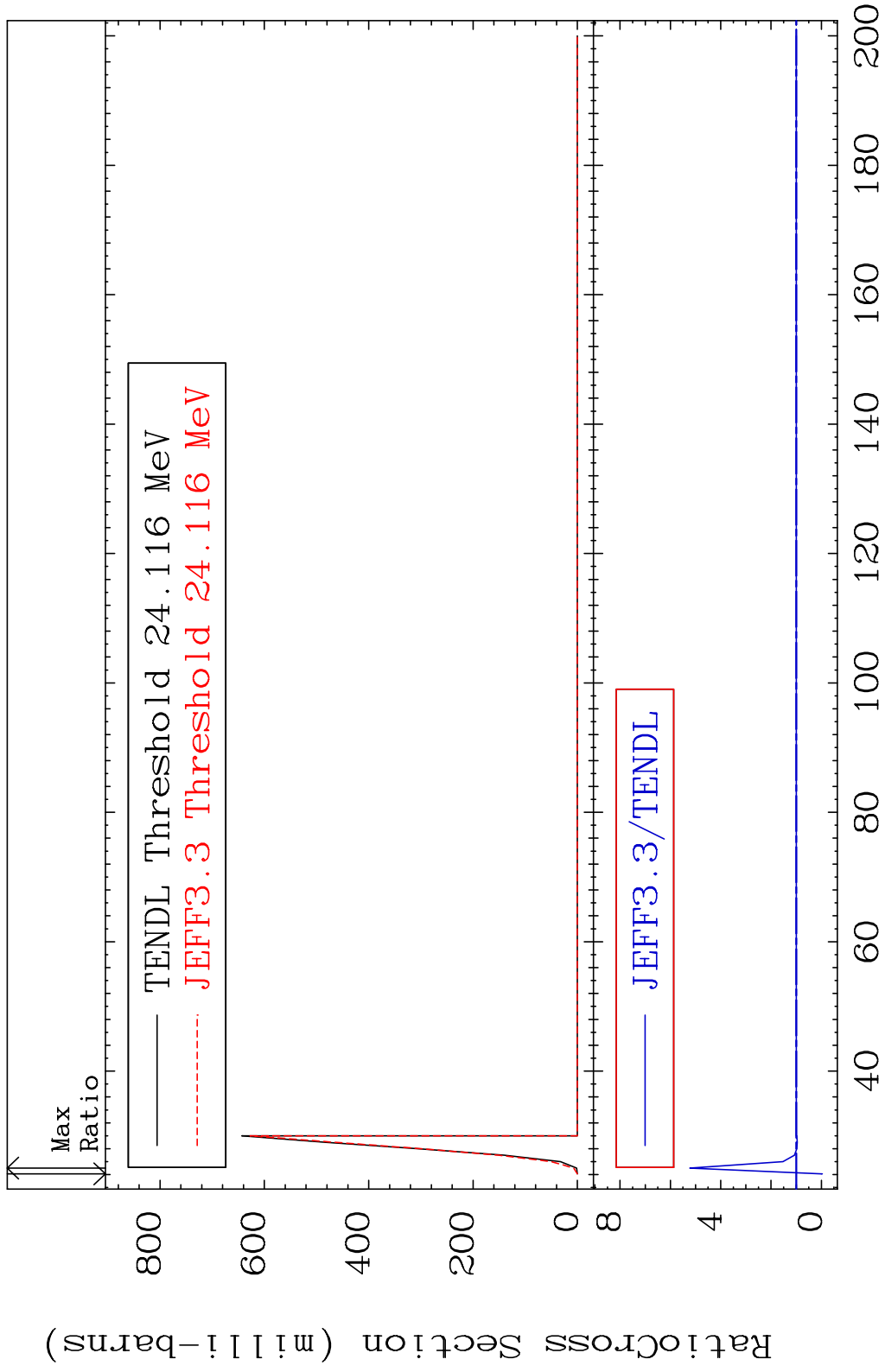


MAT 6837

(n,4n)

68-Er-166

Cross Section -100.0 To 422.9 %

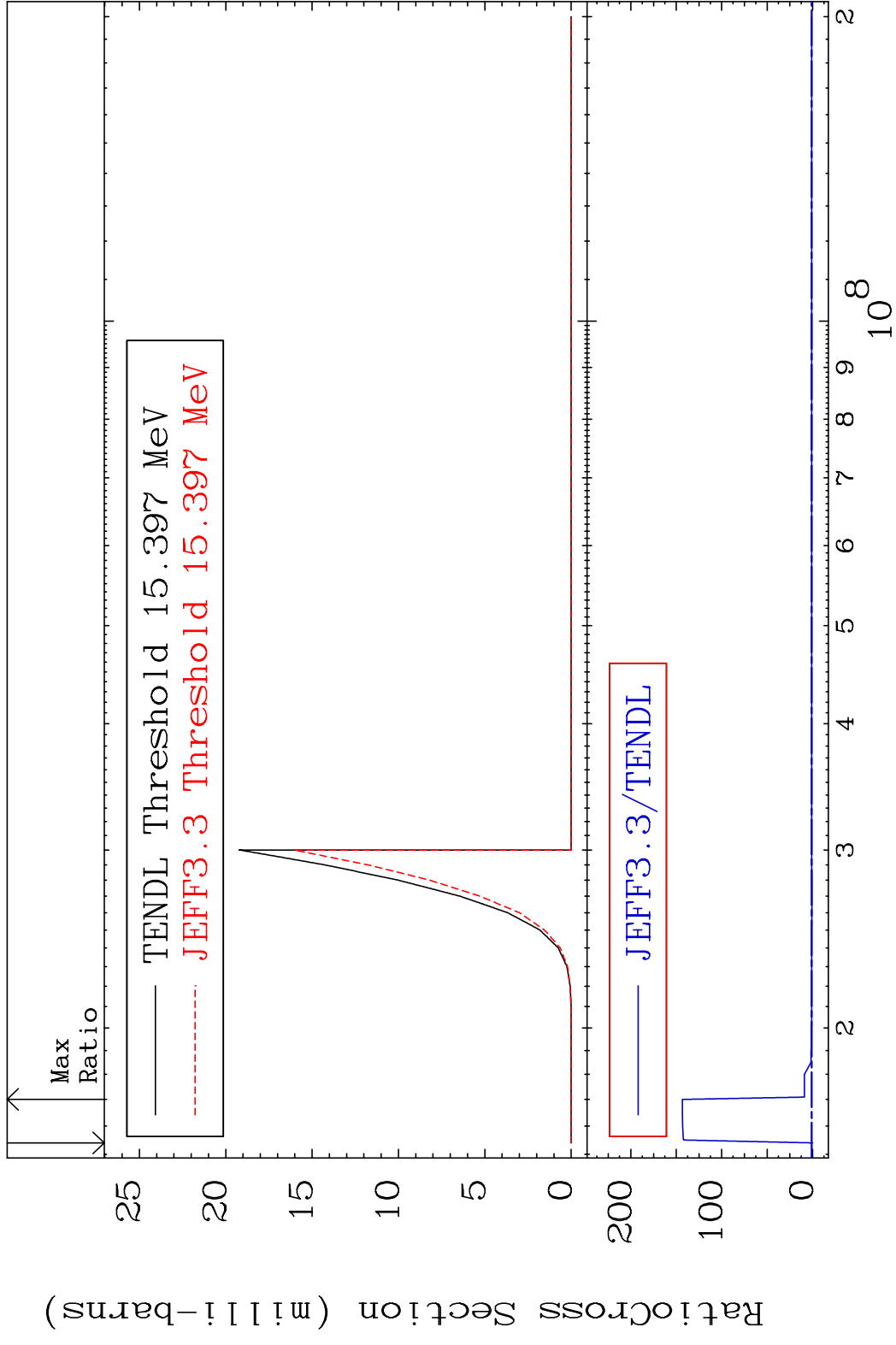


16

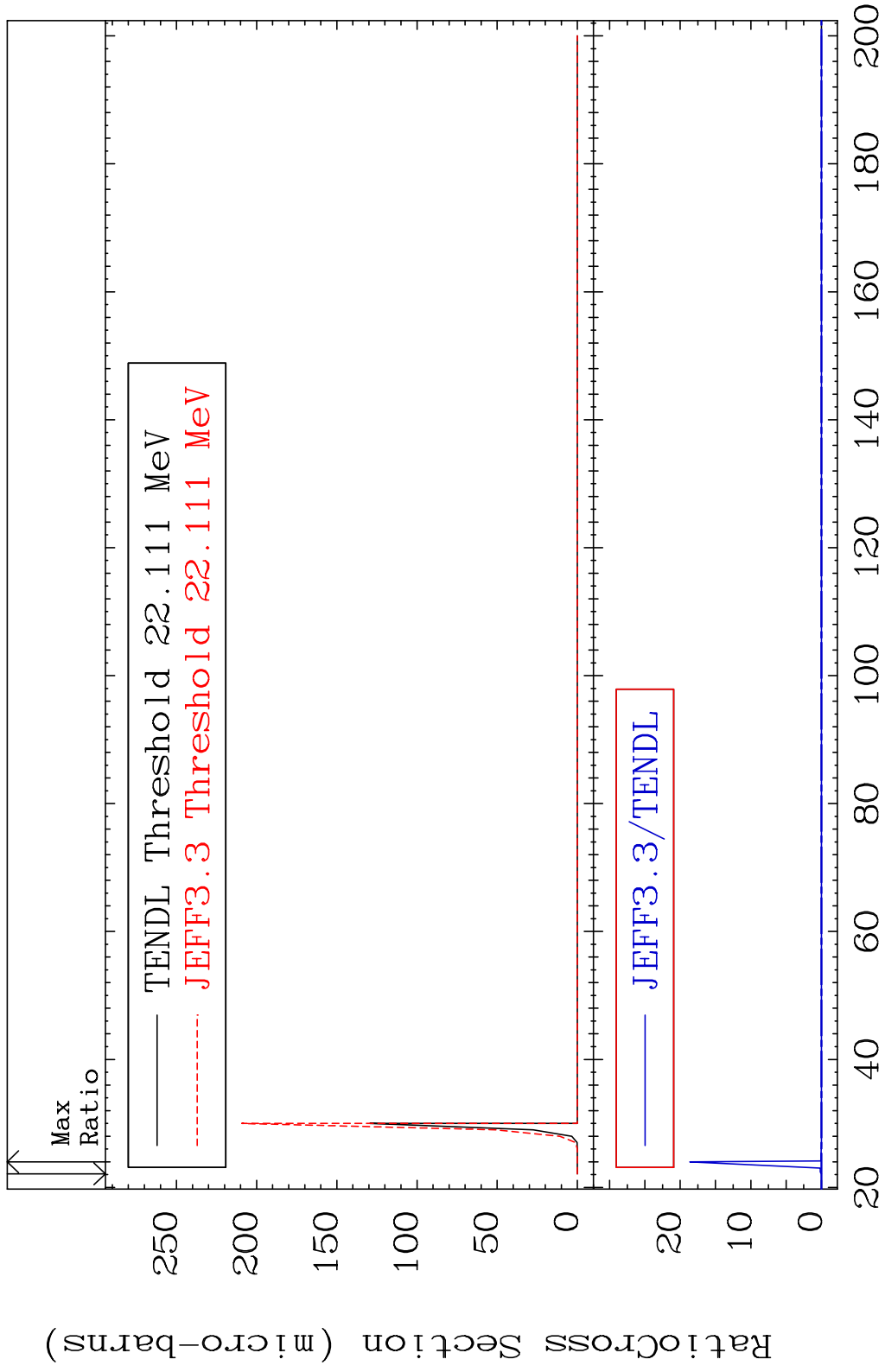
Incident Energy (MeV)

68-Er-166

MAT 6837 (n,2n) p 68-Er-166  
 Cross Section -100.0 To 9999. %



MAT 6837 (n,3n) p 68-Er-166  
 Cross Section -100.0 To 9999. %

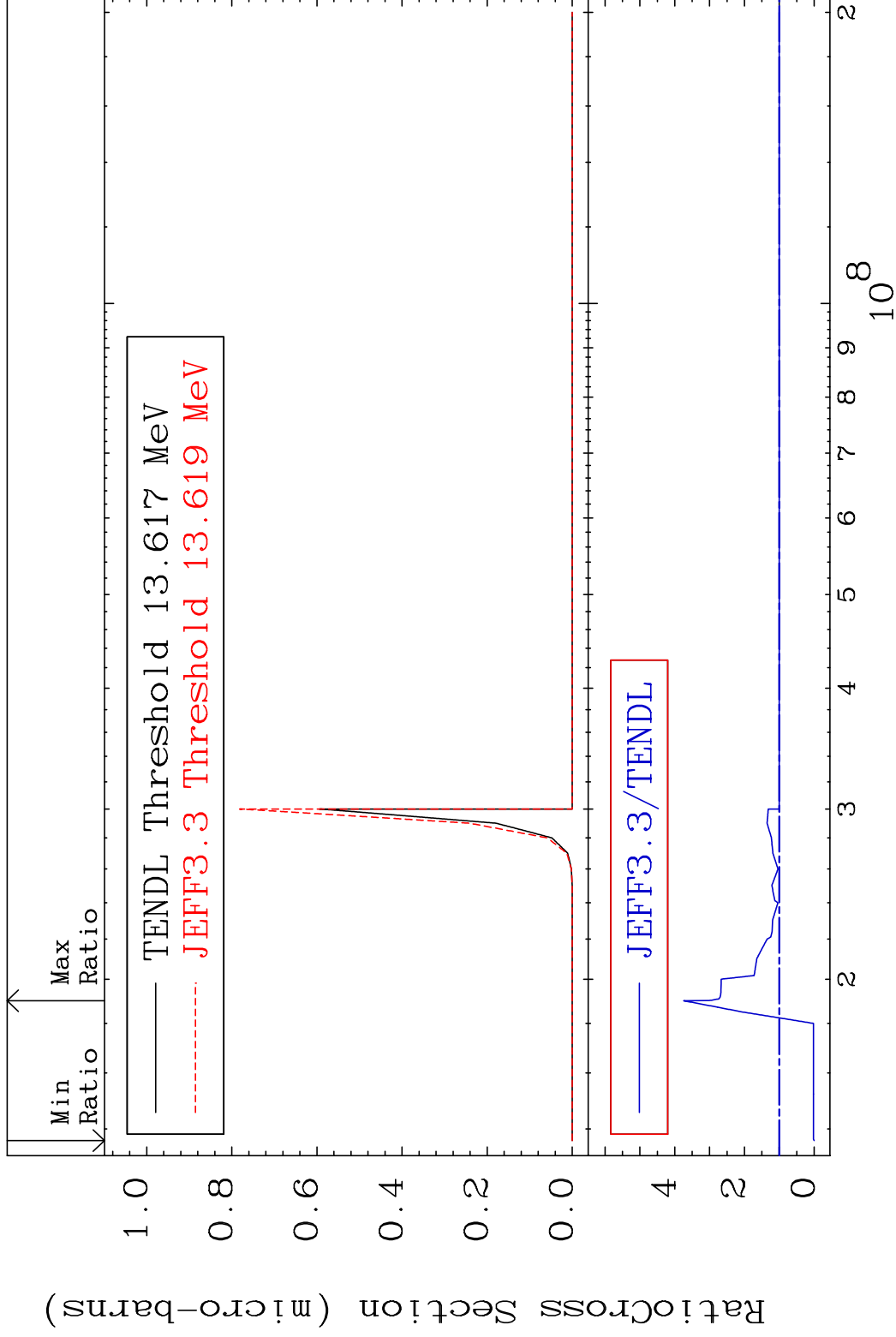


MAT 6837

(n,2n) p

68-Er-166

Cross Section -100.0 To 274.5 %

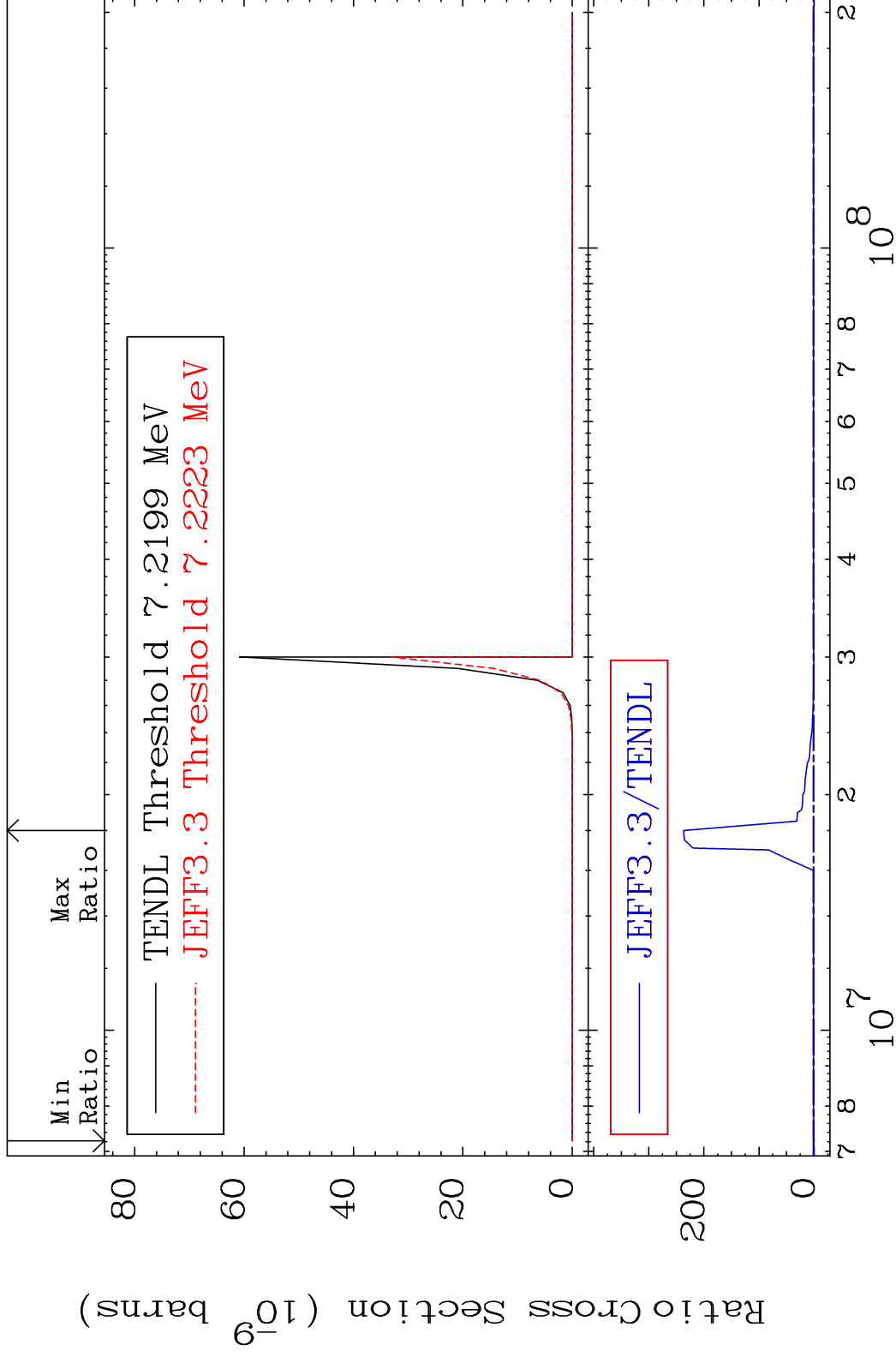


MAT 6837

(n,n') p  $\alpha$

68-Er-166

Cross Section -100.0 To 9999. %

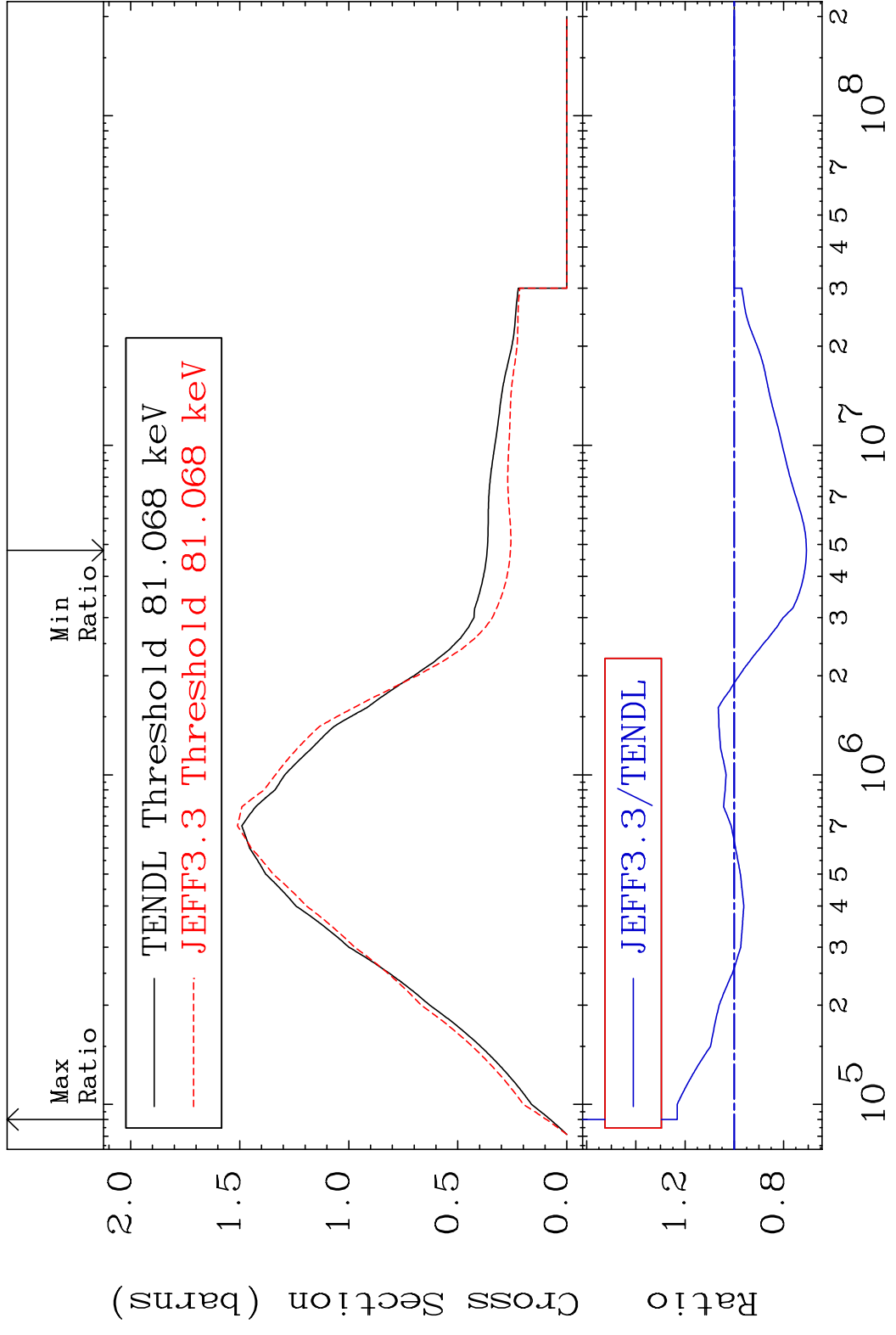


20

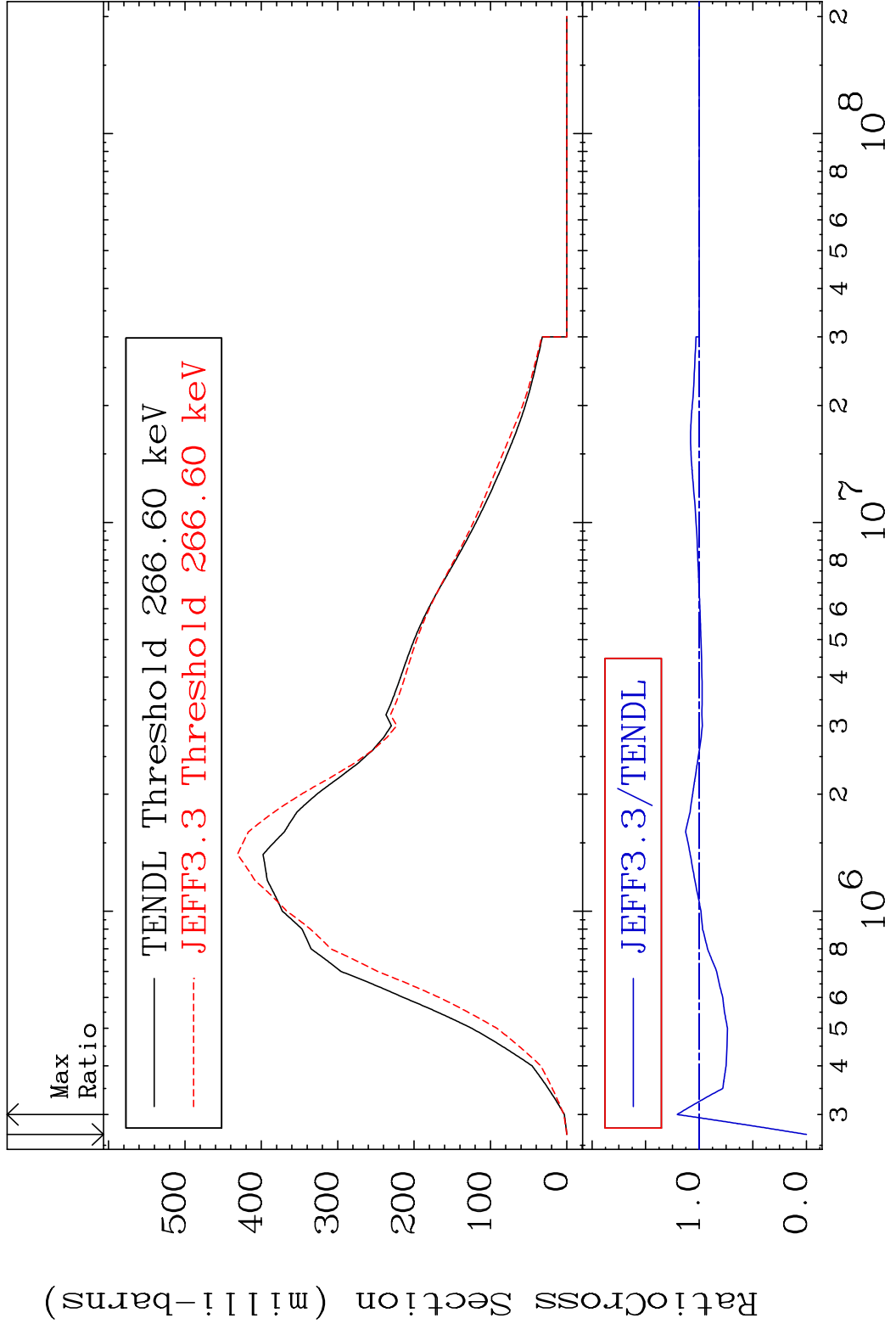
Incident Energy (eV)

68-Er-166

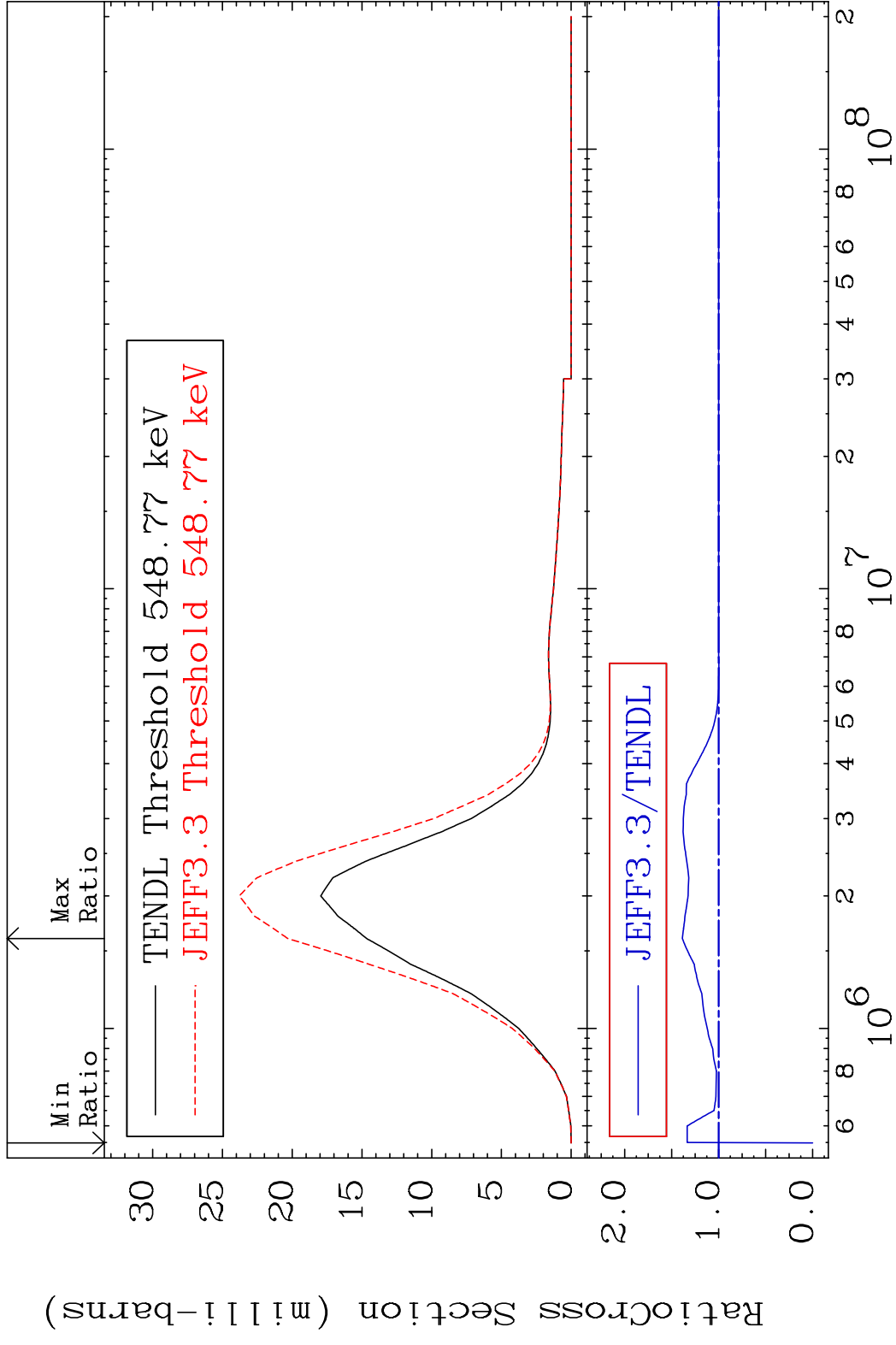
MAT 6837 MT= 51 (n, n') Level 68-Er-166  
 Cross Section -29.29 To 23.22 %



MAT 6837 MT= 52 (n, n') Level 68-Er-166  
 Cross Section -100.0 To 20.56 %

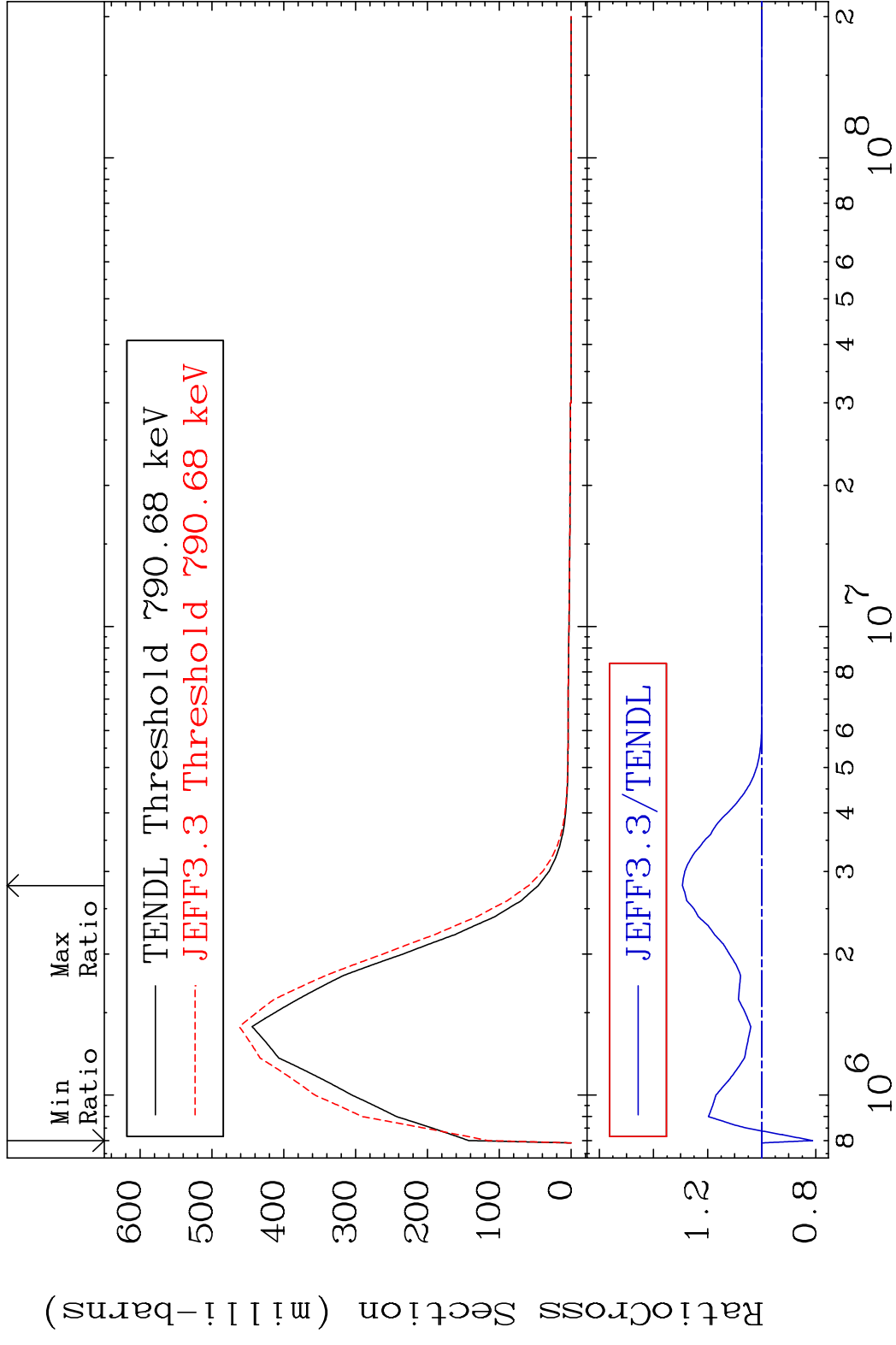


MAT 6837 MT= 53 (n, n') Level 68-Er-166  
 Cross Section -100.0 To 38.59 %





MAT 6837 MT= 54 (n,n') Level 68-Er-166  
 Cross Section -18.80 To 29.34 %

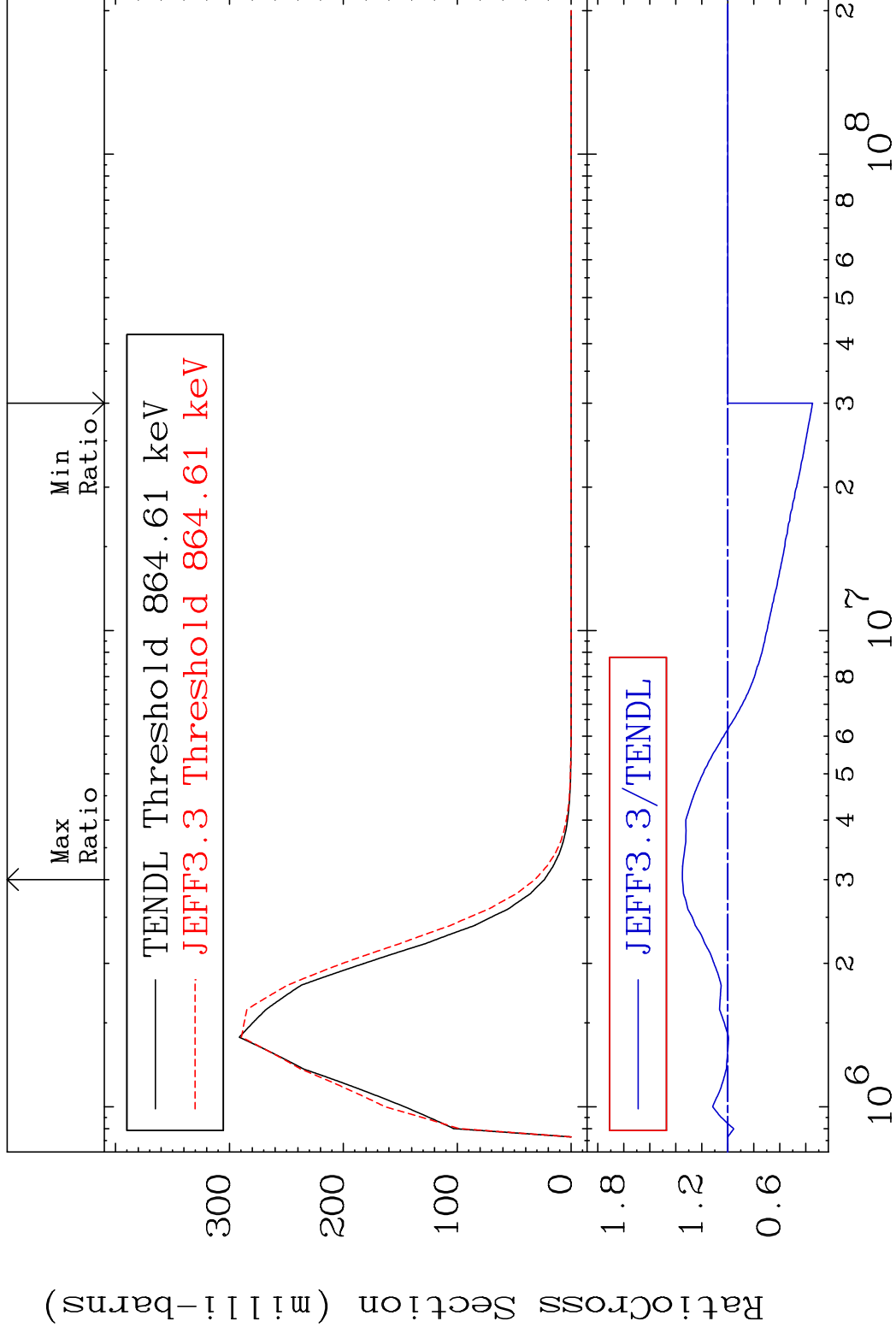


MAT 6837

MT= 55 (n, n') Level

68-Er-166

Cross Section -65.31 To 34.93 %

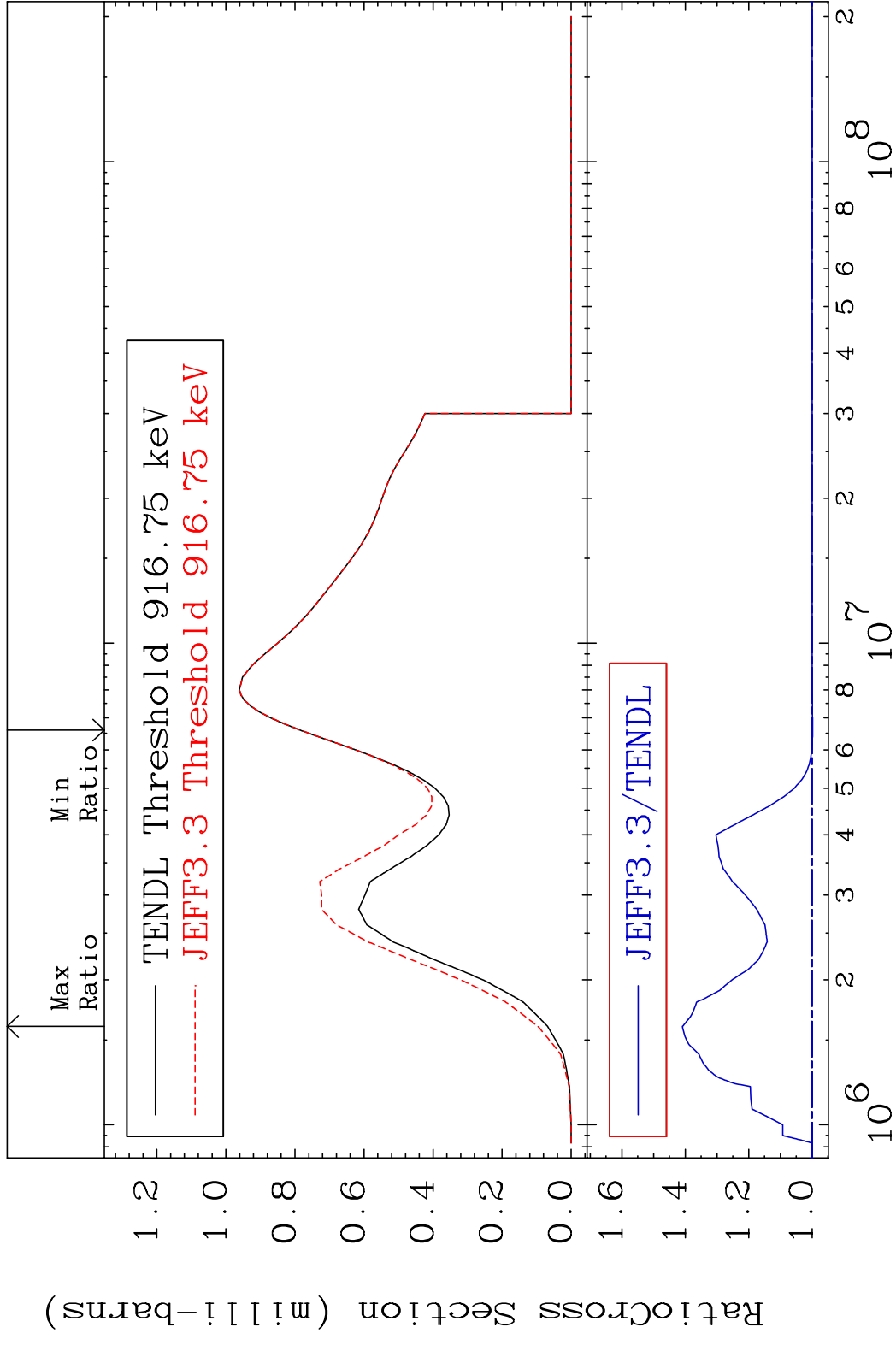


25

Incident Energy (eV)

68-Er-166

MAT 6837 MT= 56 (n,n') Level 68-Er-166  
 Cross Section -0.158 To 40.93 %

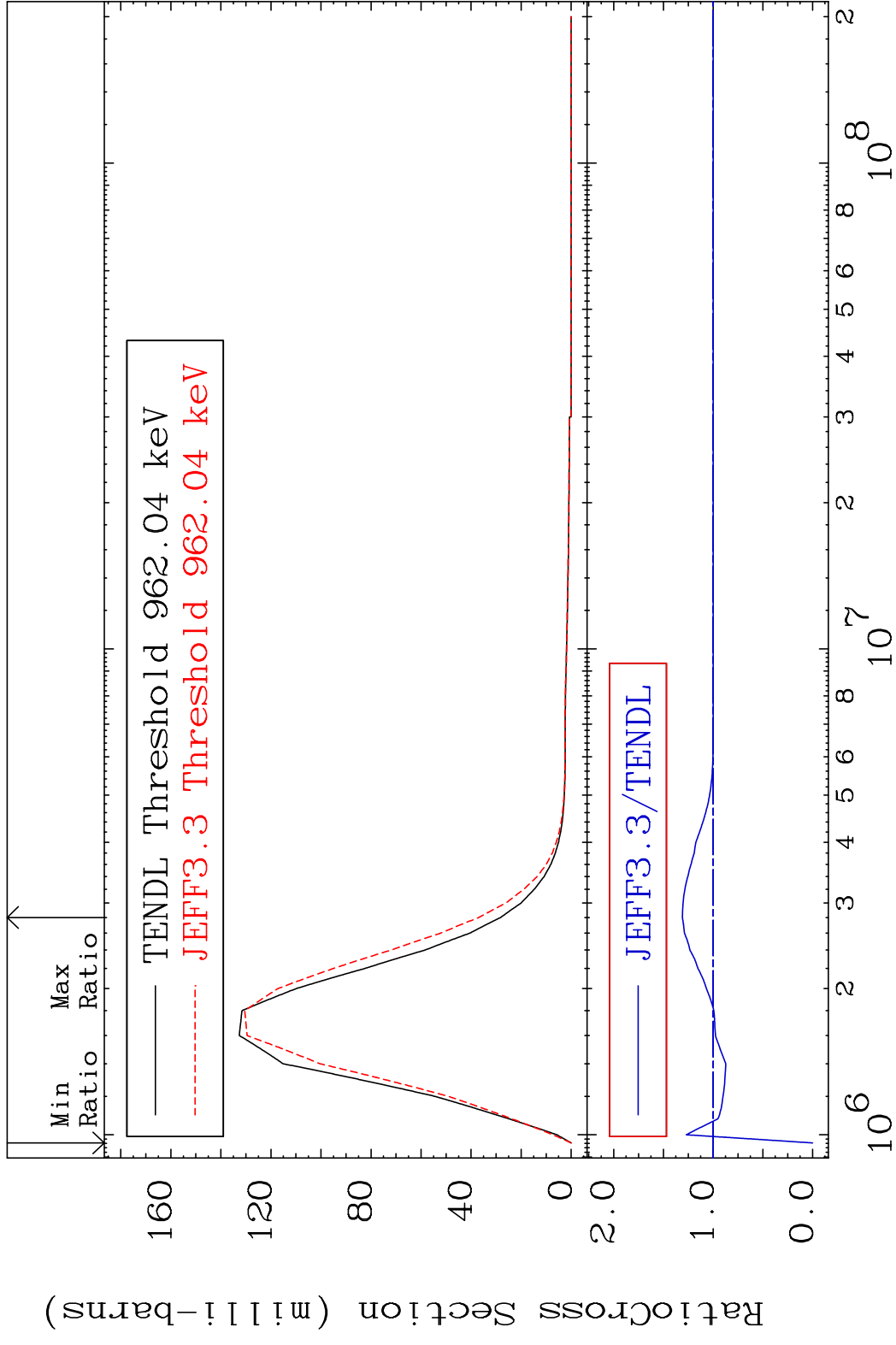


MAT 6837

MT= 57 (n,n') Level

68-Er-166

Cross Section -100.0 To 30.91 %

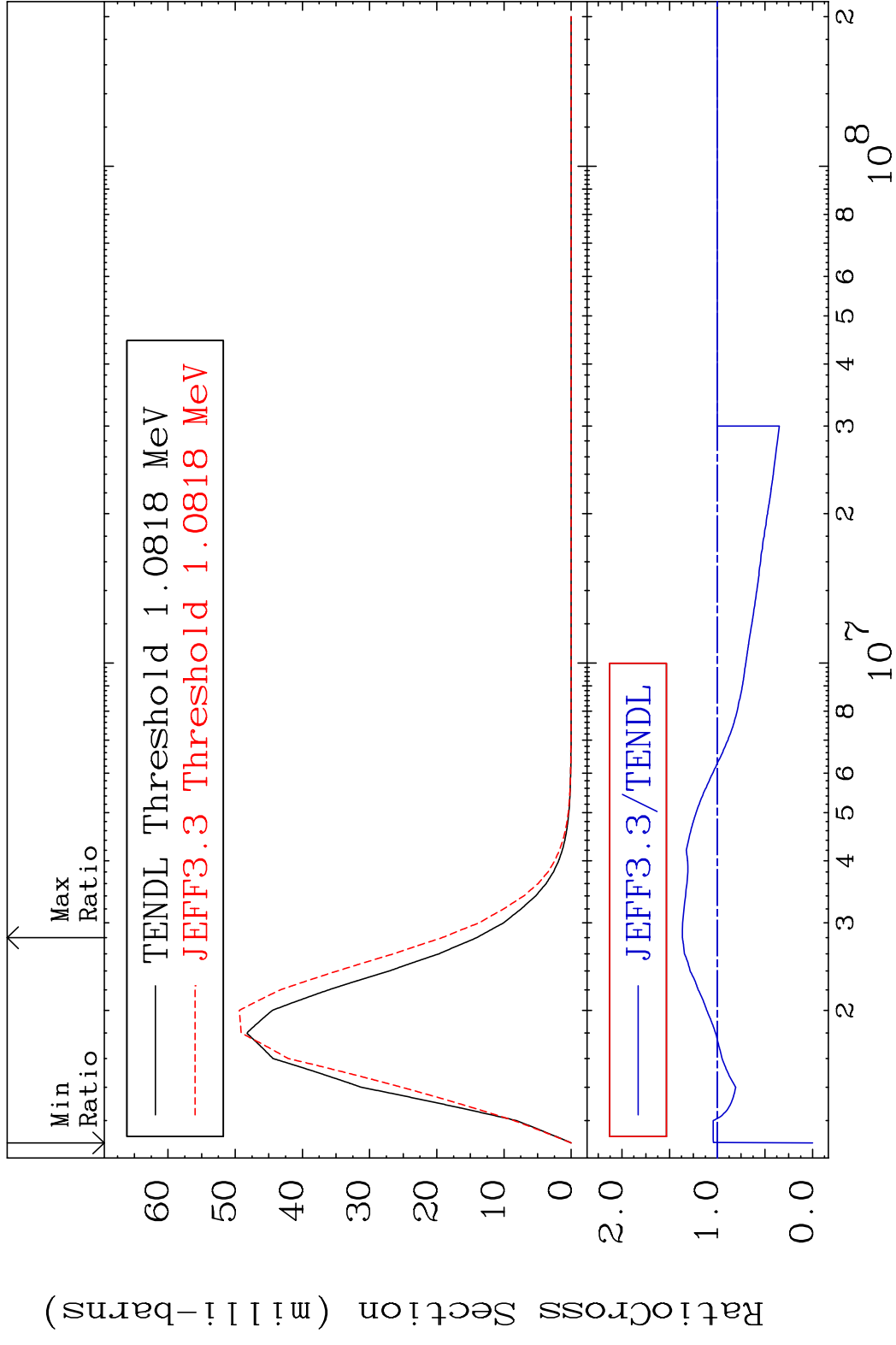


27

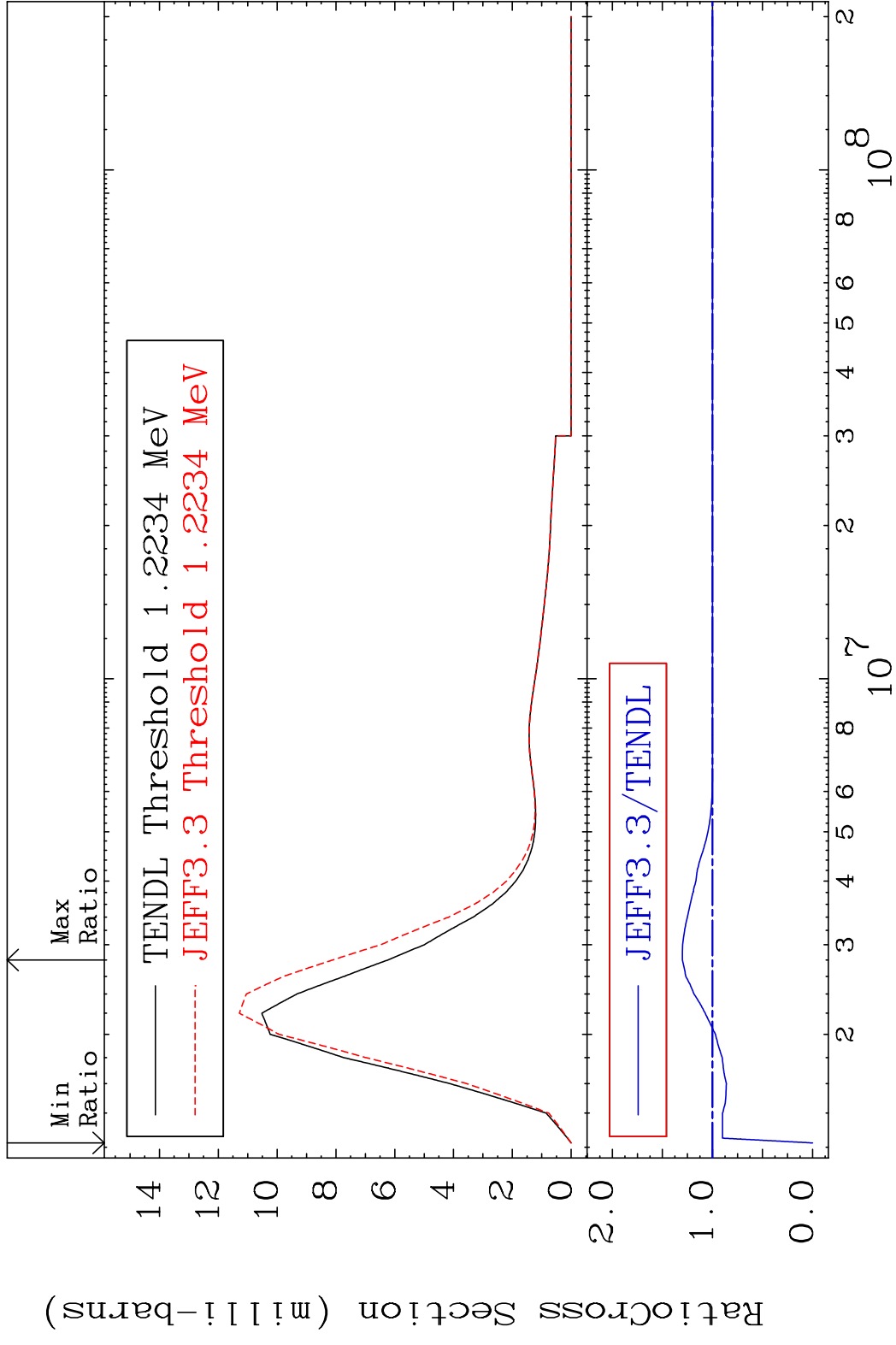
Incident Energy (eV)

68-Er-166

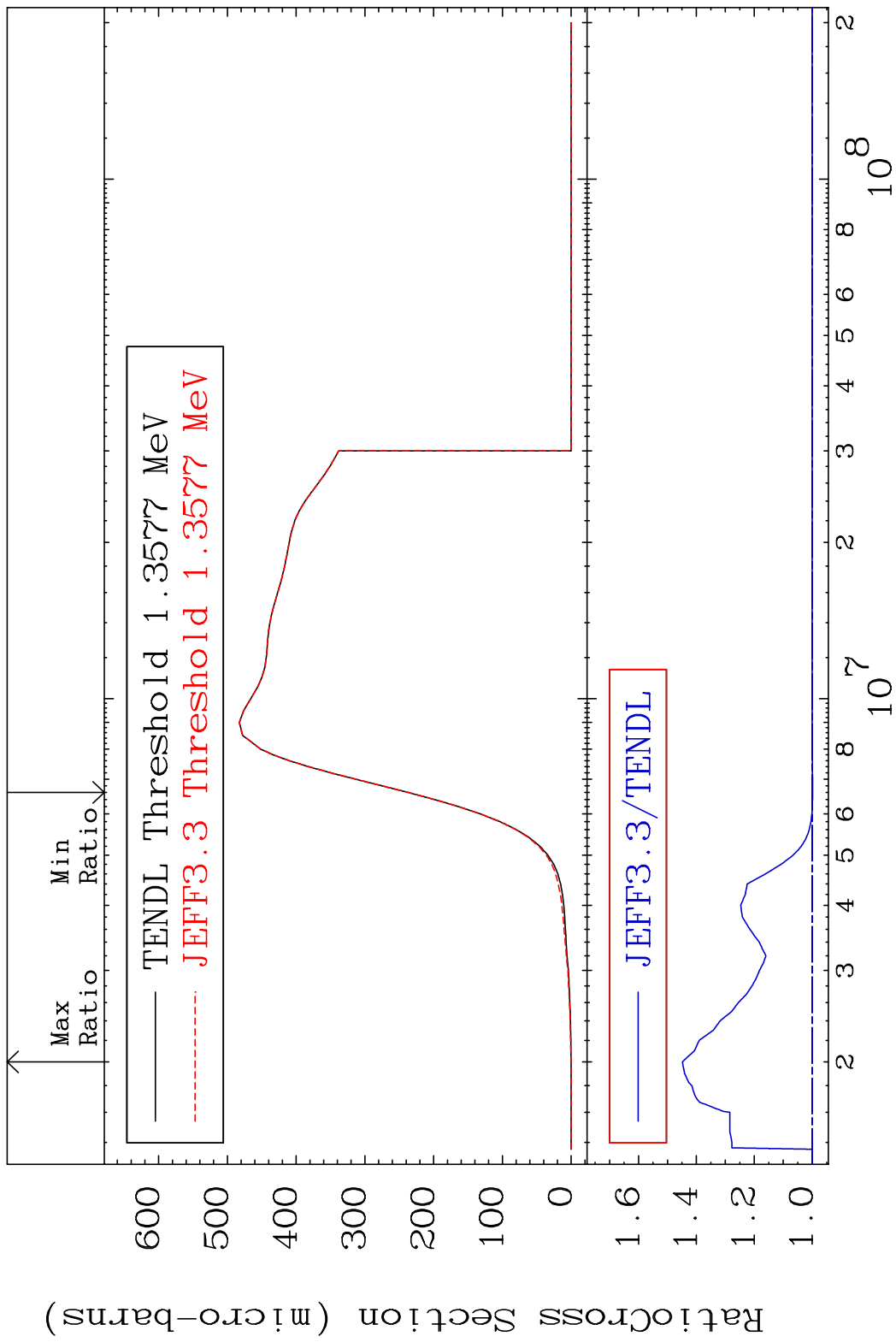
MAT 6837 MT= 58 (n,n') Level 68-Er-166  
 Cross Section -100.0 To 36.63 %



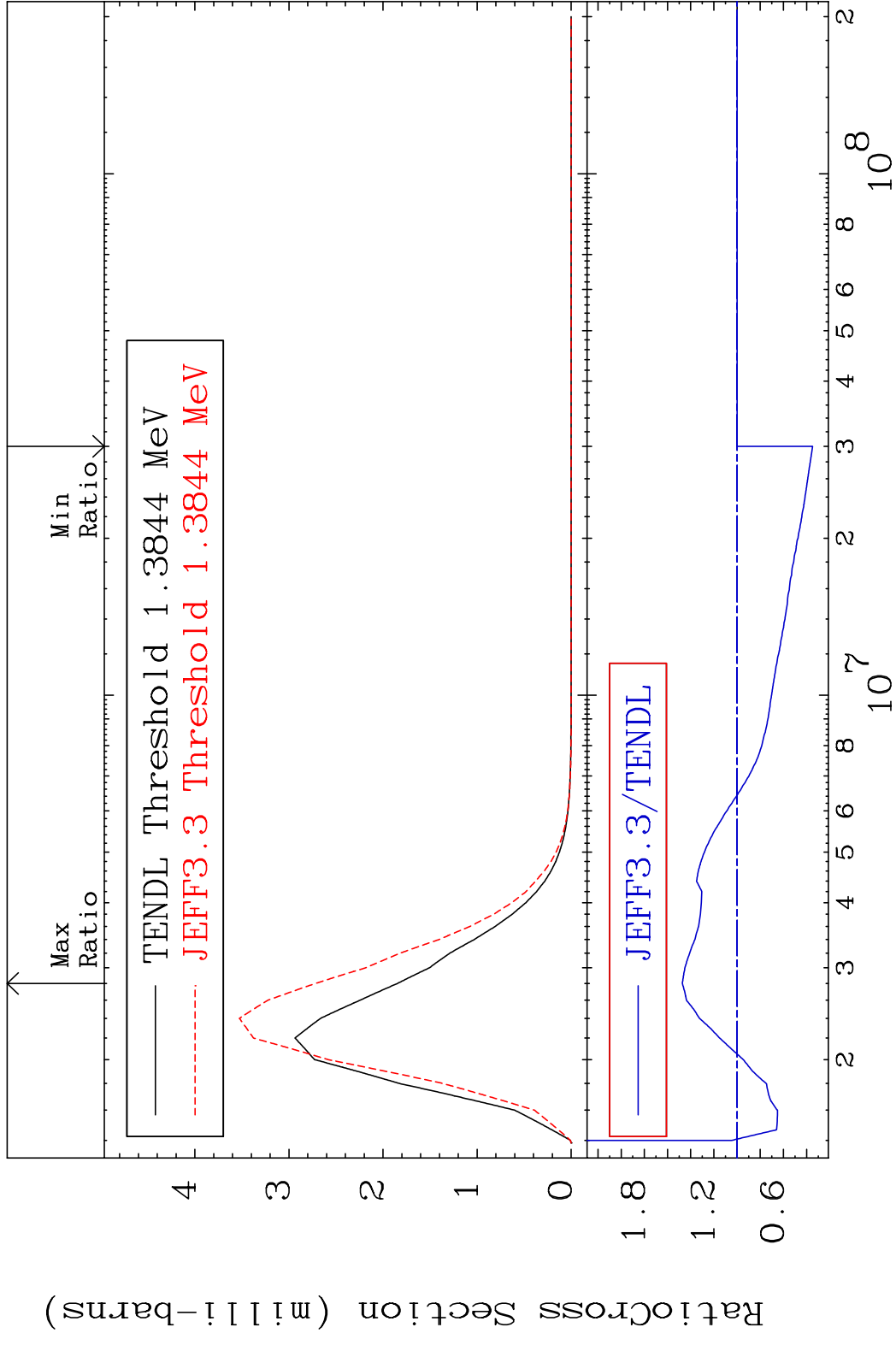
MAT 6837 MT= 59 (n,n') Level 68-Er-166  
 Cross Section -100.0 To 30.08 %



MAT 6837 MT= 60 (n, n') Level 68-Er-166  
 Cross Section -0.127 To 44.85 %



MAT 6837 MT= 61 (n, n') Level 68-Er-166  
 Cross Section -65.12 To 47.20 %



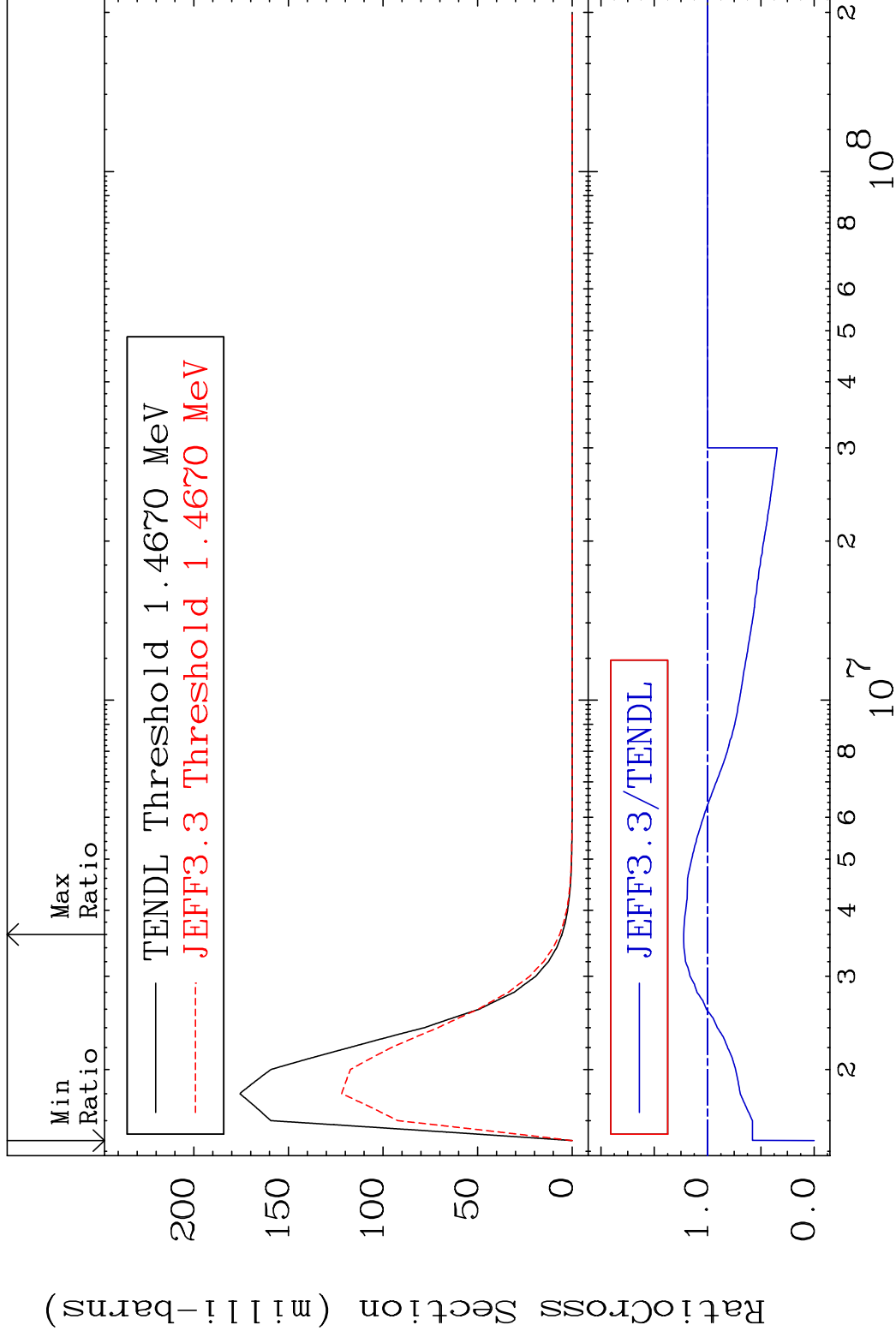


MAT 6837

MT= 62 (n, n') Level

68-Er-166

Cross Section -100.0 To 22.44 %

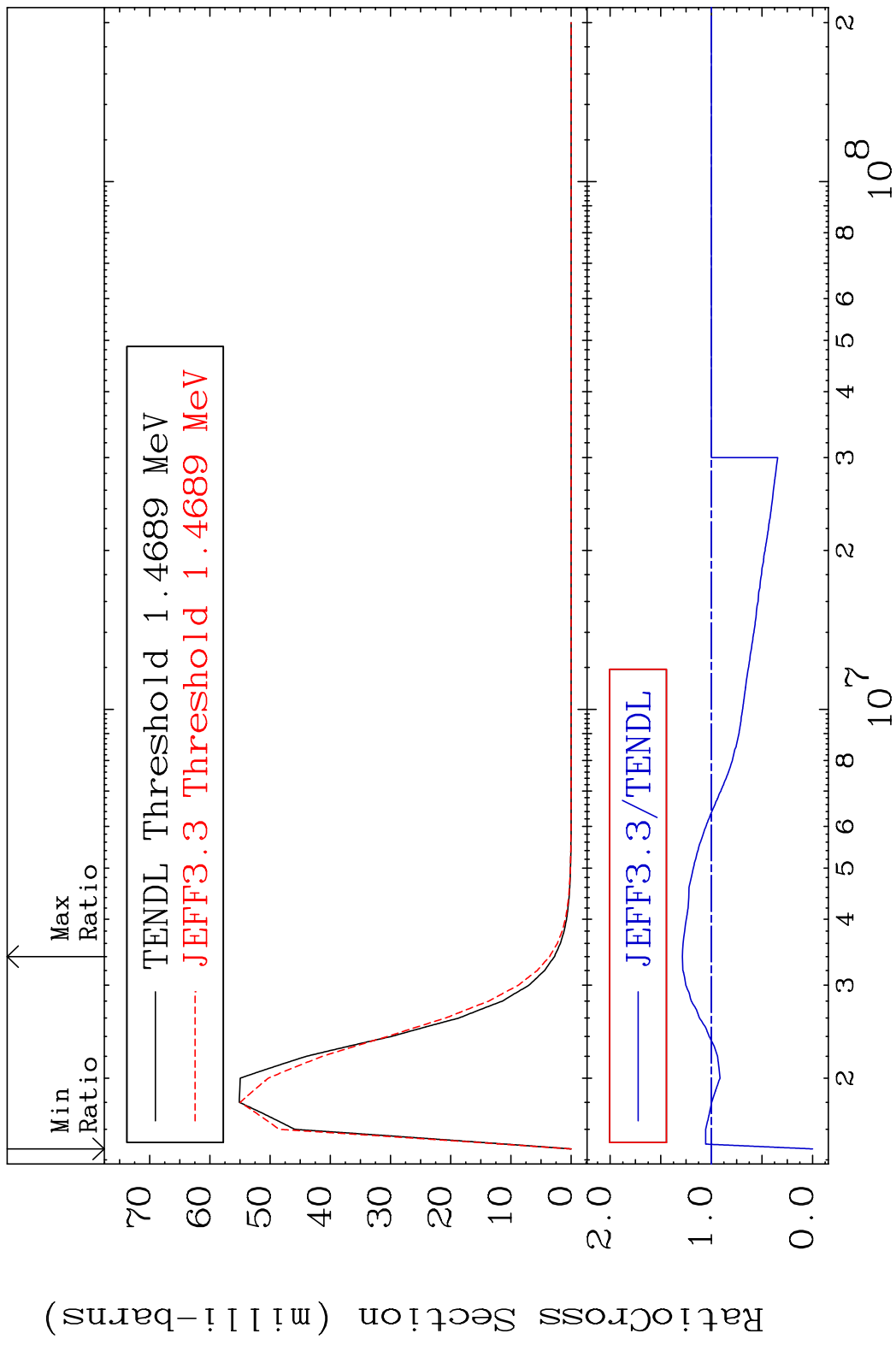


32

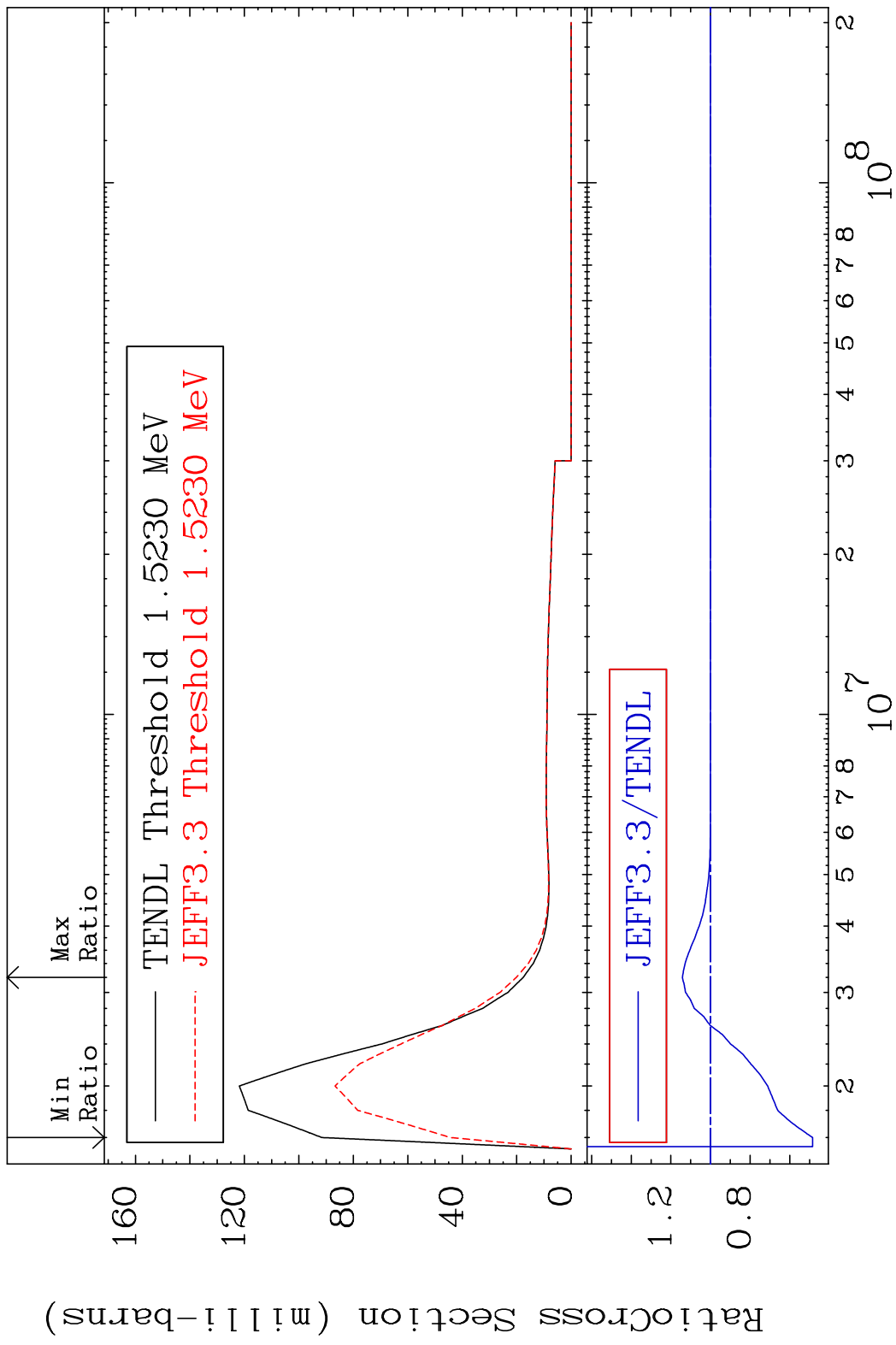
Incident Energy (eV)

68-Er-166

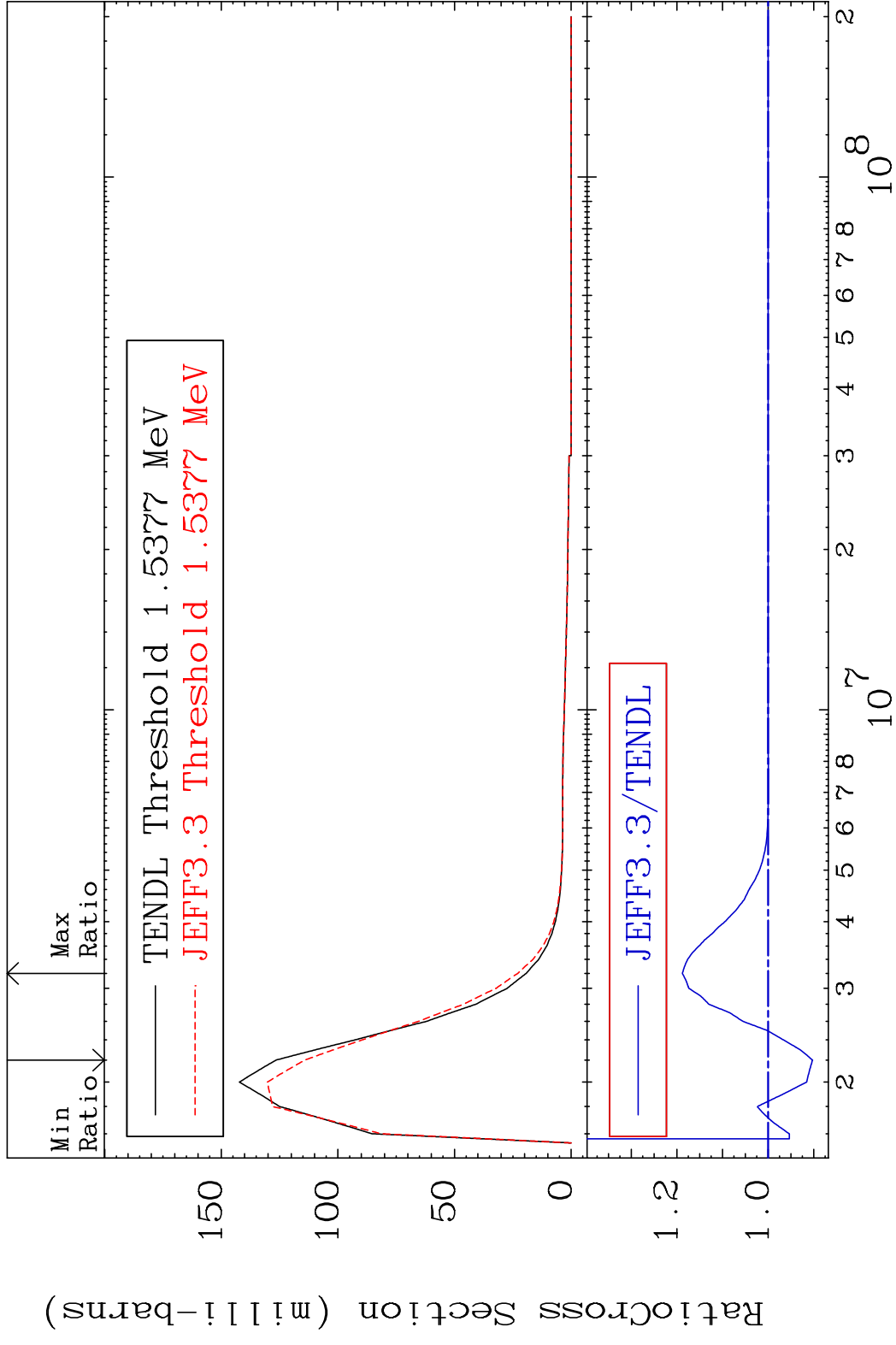
MAT 6837 MT= 63 (n, n') Level 68-Er-166  
 Cross Section -100.0 To 28.64 %



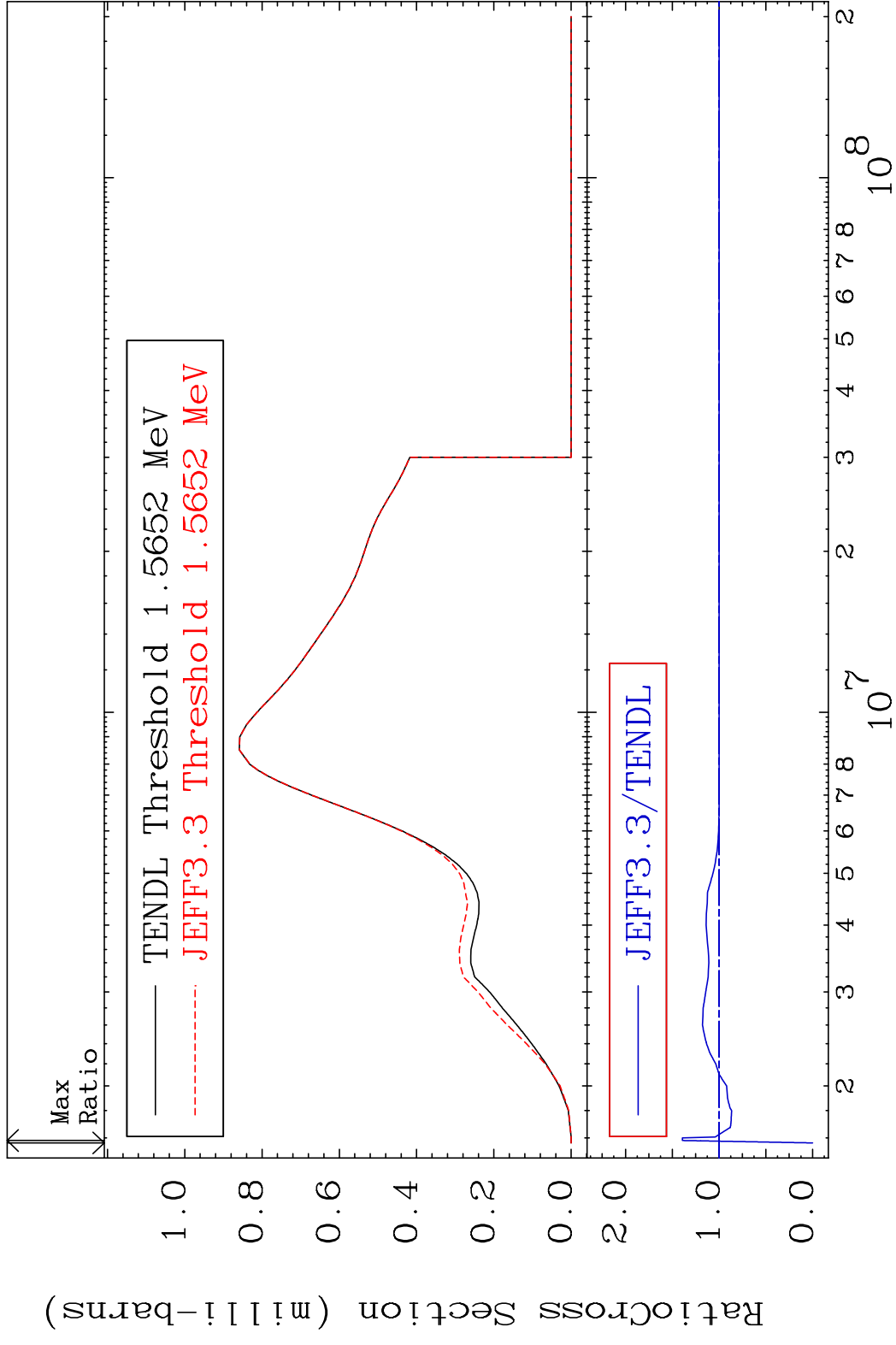
MAT 6837 MT= 64 (n,n') Level 68-Er-166  
 Cross Section -51.53 To 14.20 %



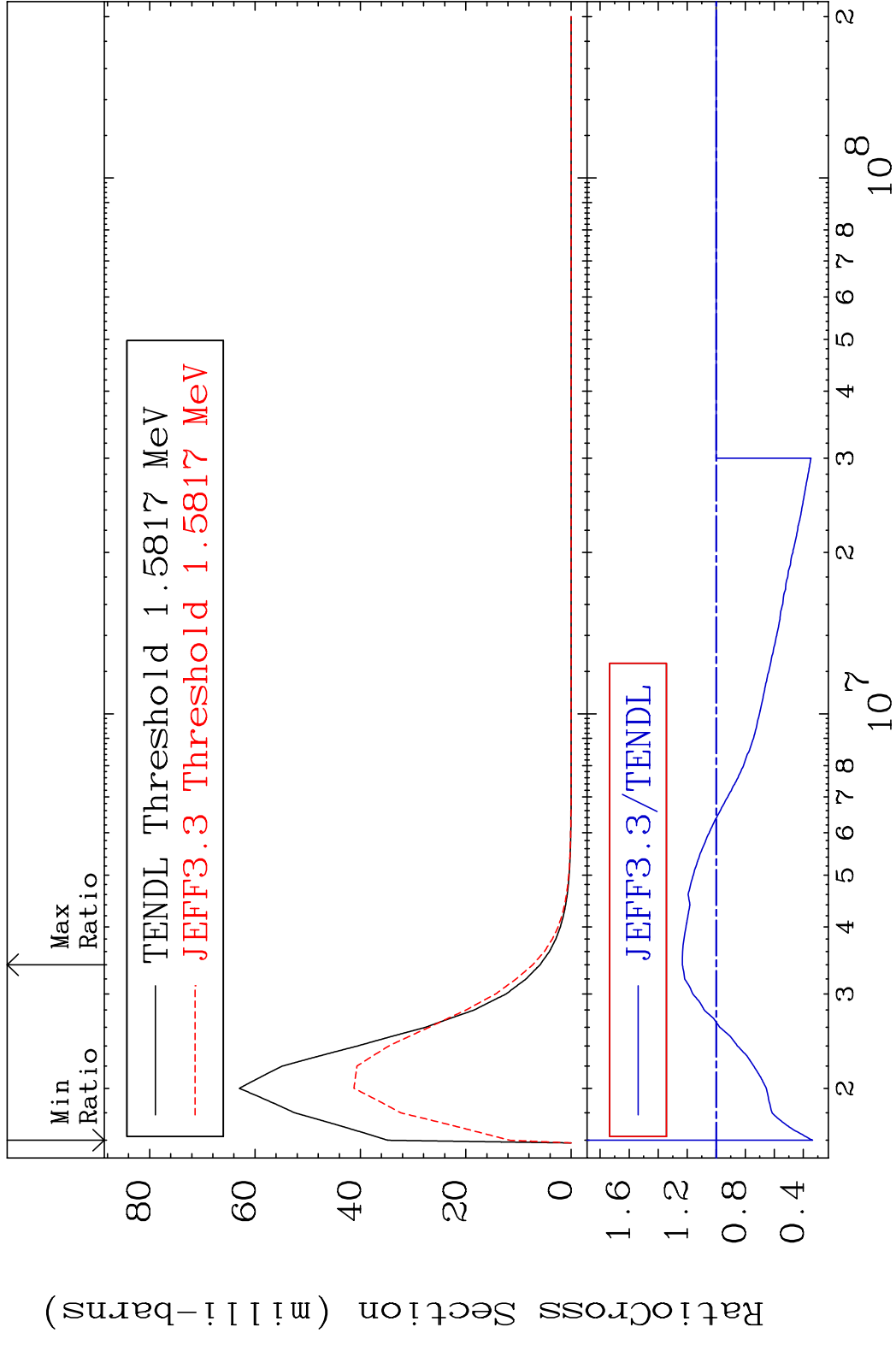
MAT 6837 MT= 65 (n, n') Level 68-Er-166  
 Cross Section -9.730 To 18.81 %



MAT 6837 MT= 66 (n, n') Level 68-Er-166  
 Cross Section -100.0 To 39.23 %



MAT 6837 MT= 67 (n, n') Level 68-Er-166  
 Cross Section -66.36 To 23.36 %

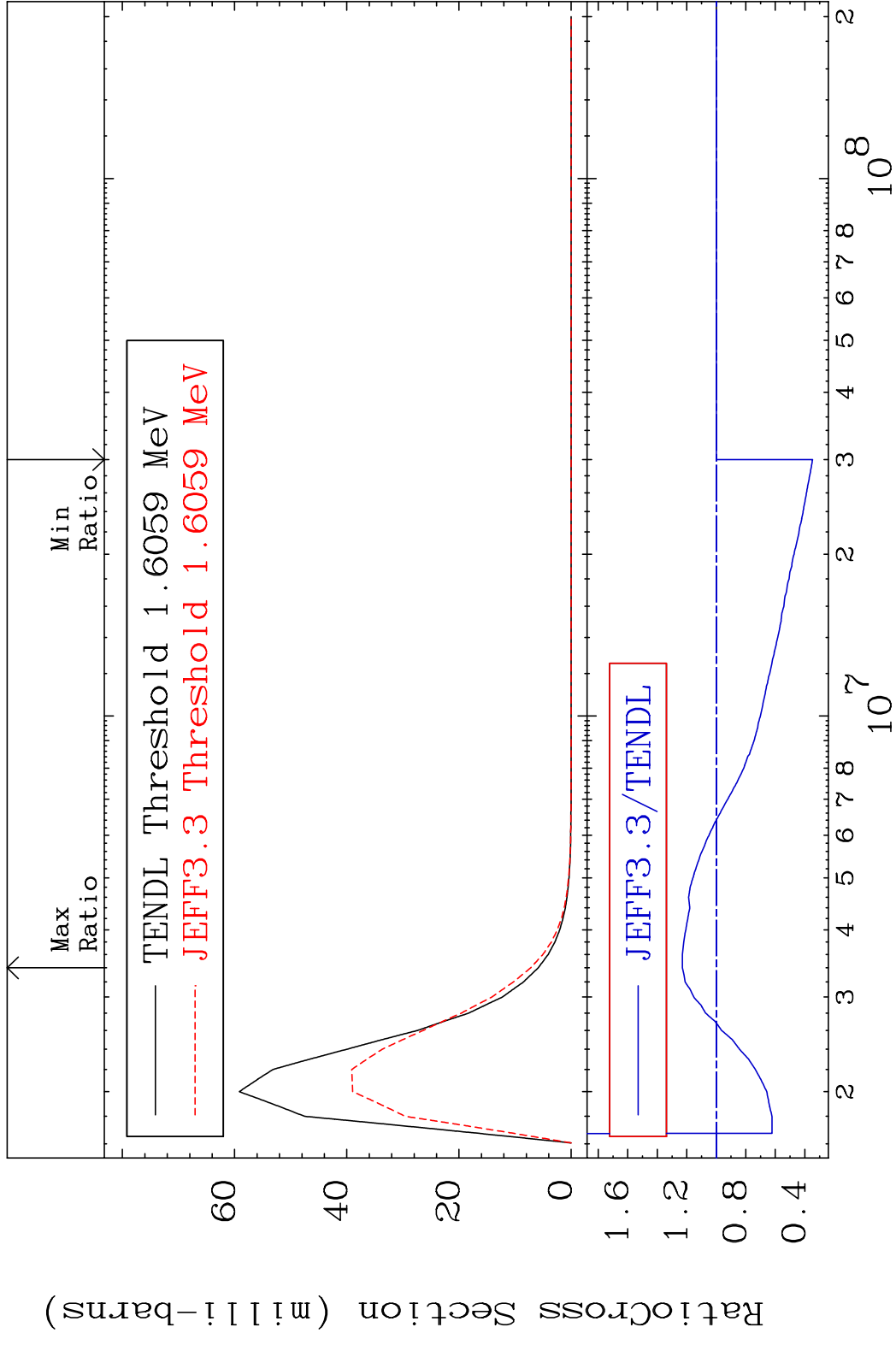


MAT 6837

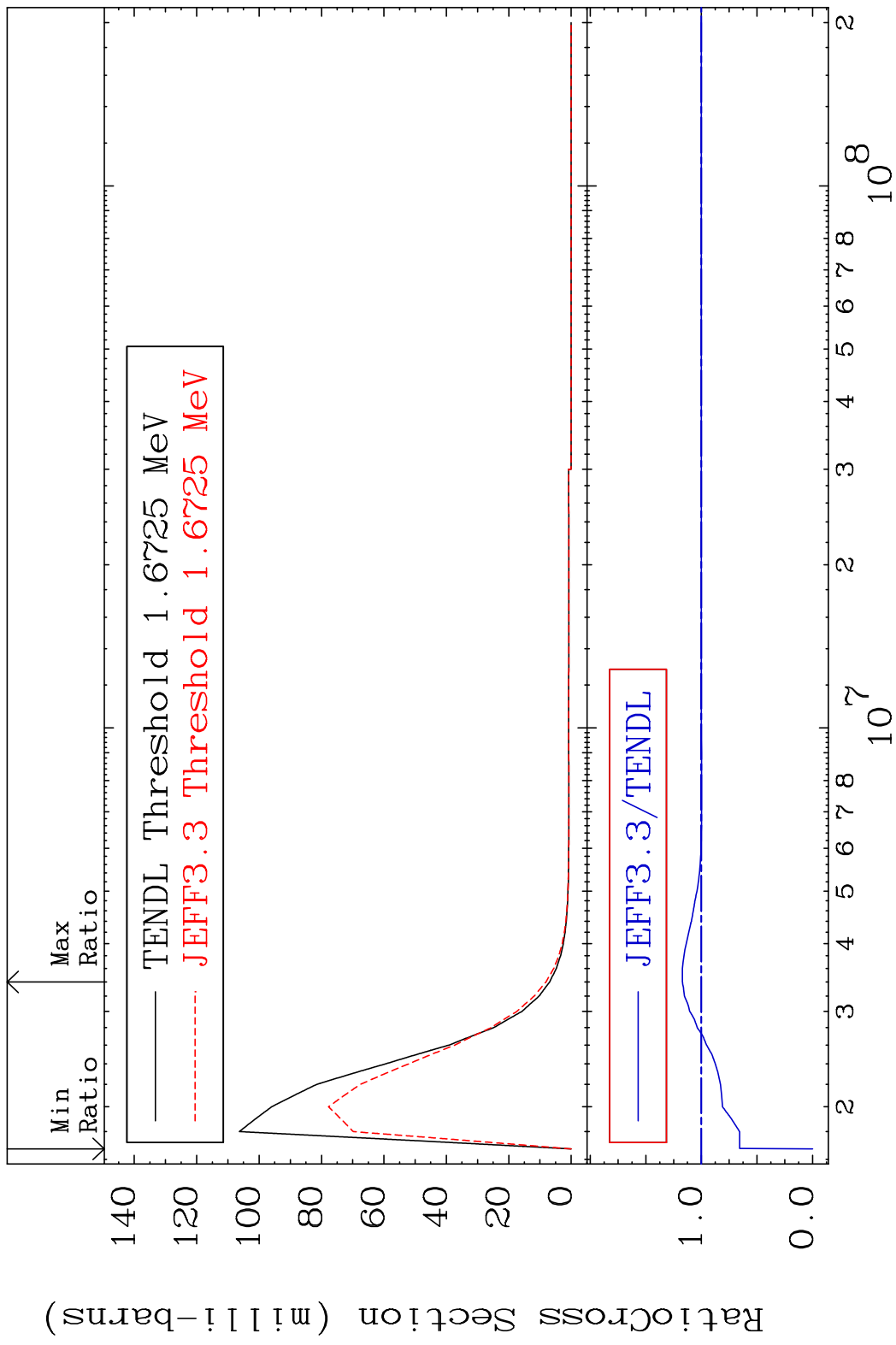
MT= 68 (n, n') Level

68-Er-166

Cross Section -65.23 To 23.00 %

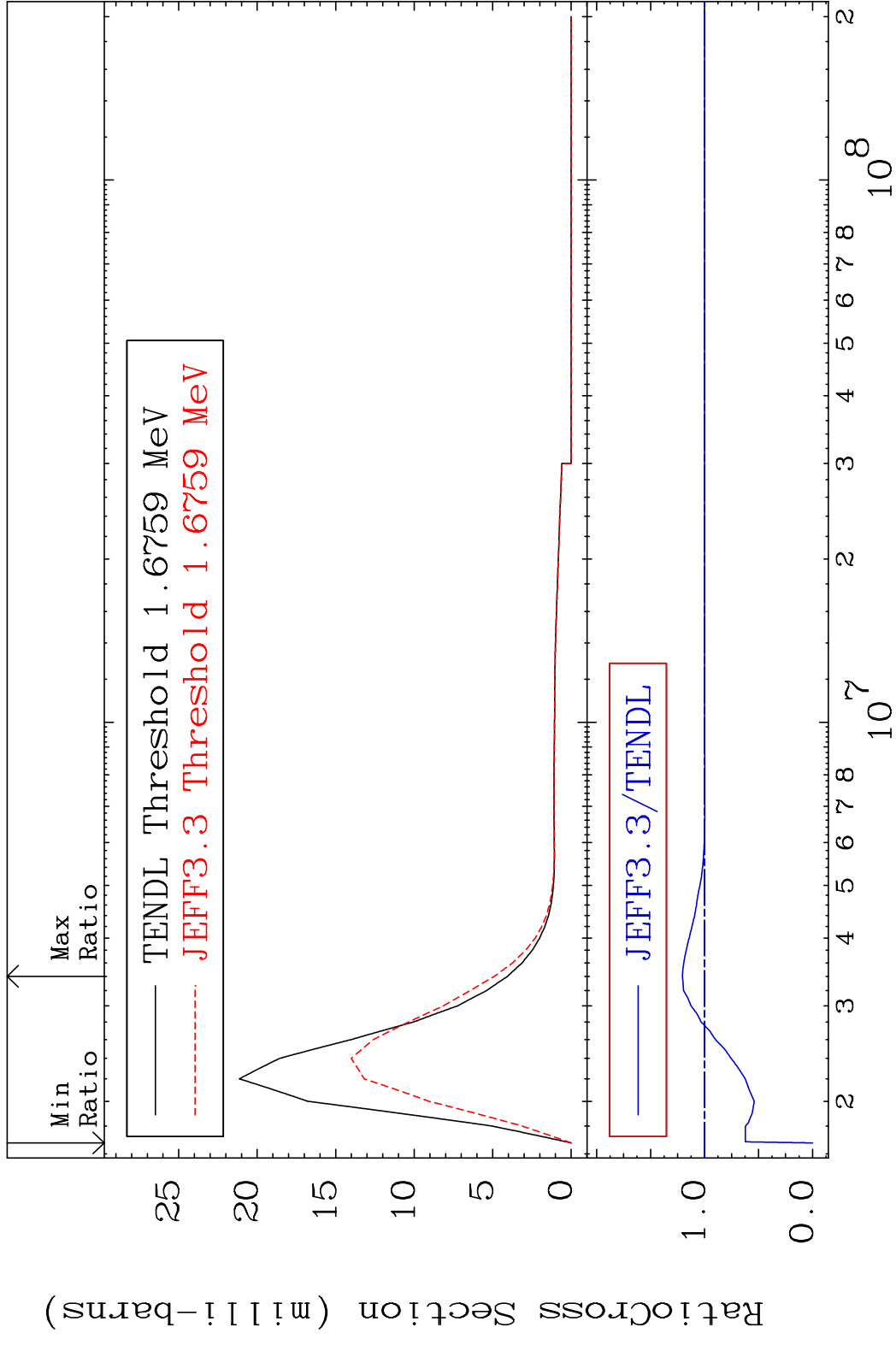


MAT 6837 MT= 69 (n,n') Level 68-Er-166  
 Cross Section -100.0 To 17.14 %



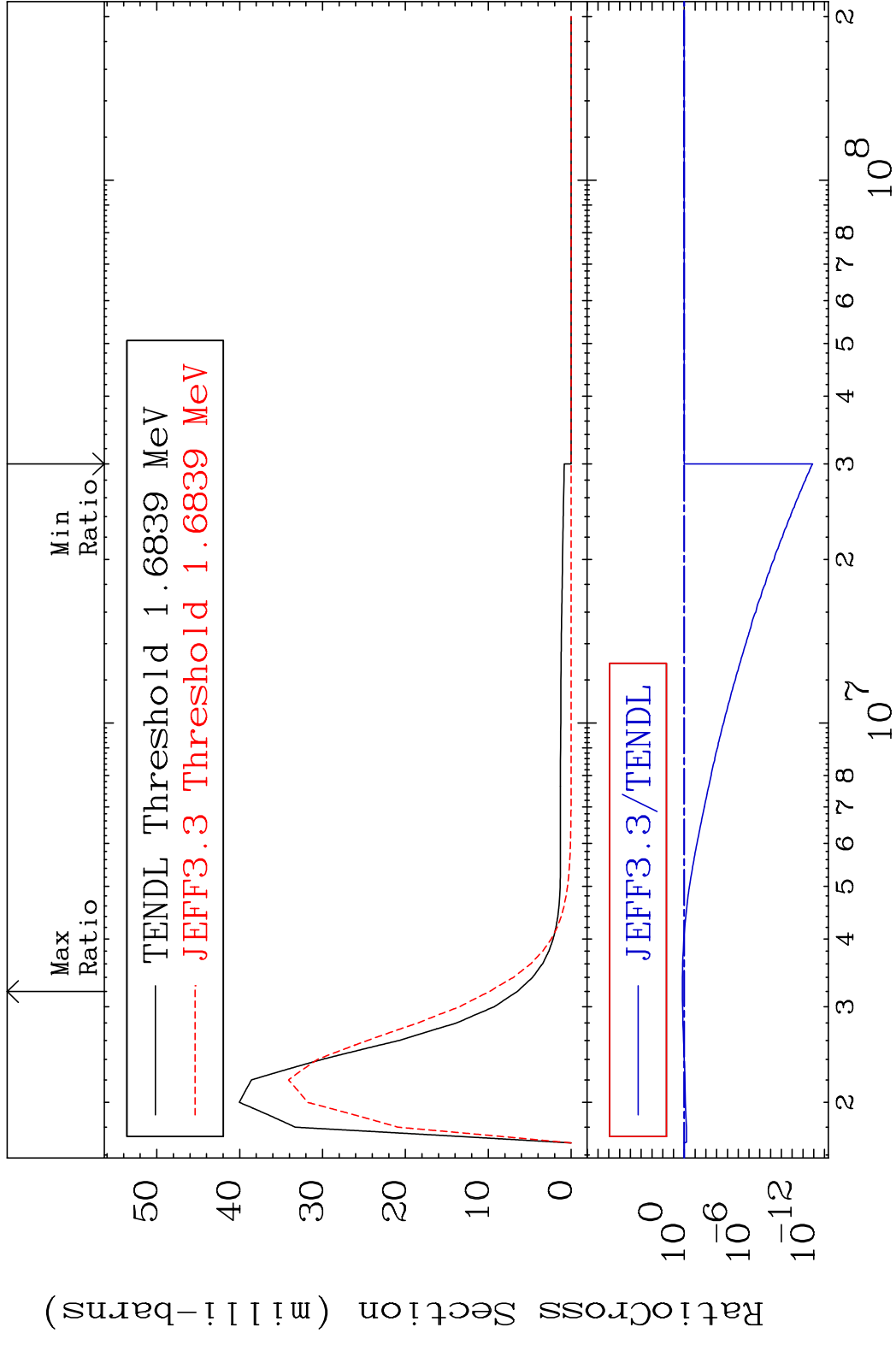


MAT 6837 MT= 70 (n, n') Level 68-Er-166  
 Cross Section -100.0 To 20.59 %

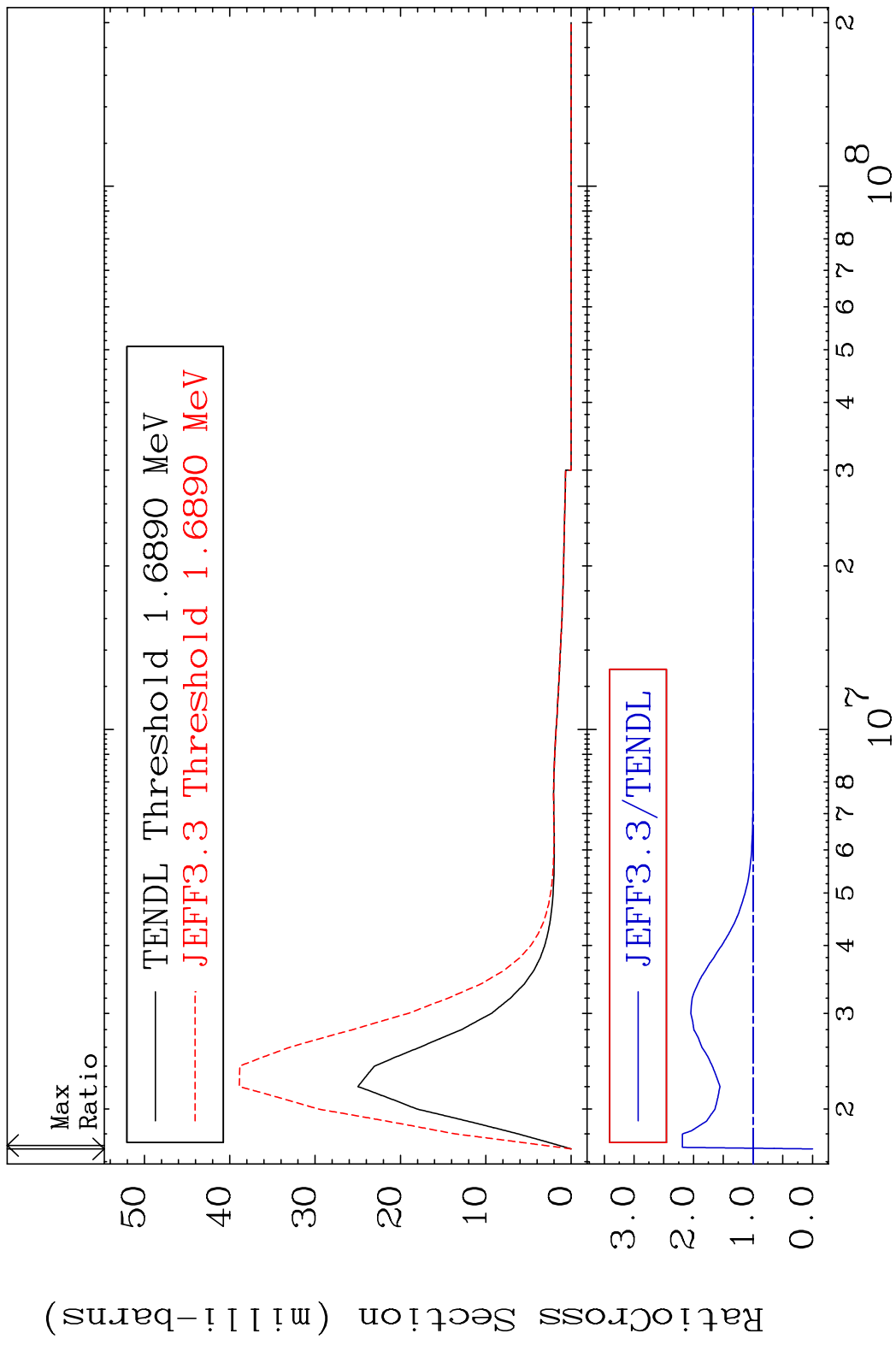


40 Incident Energy (eV) 68-Er-166

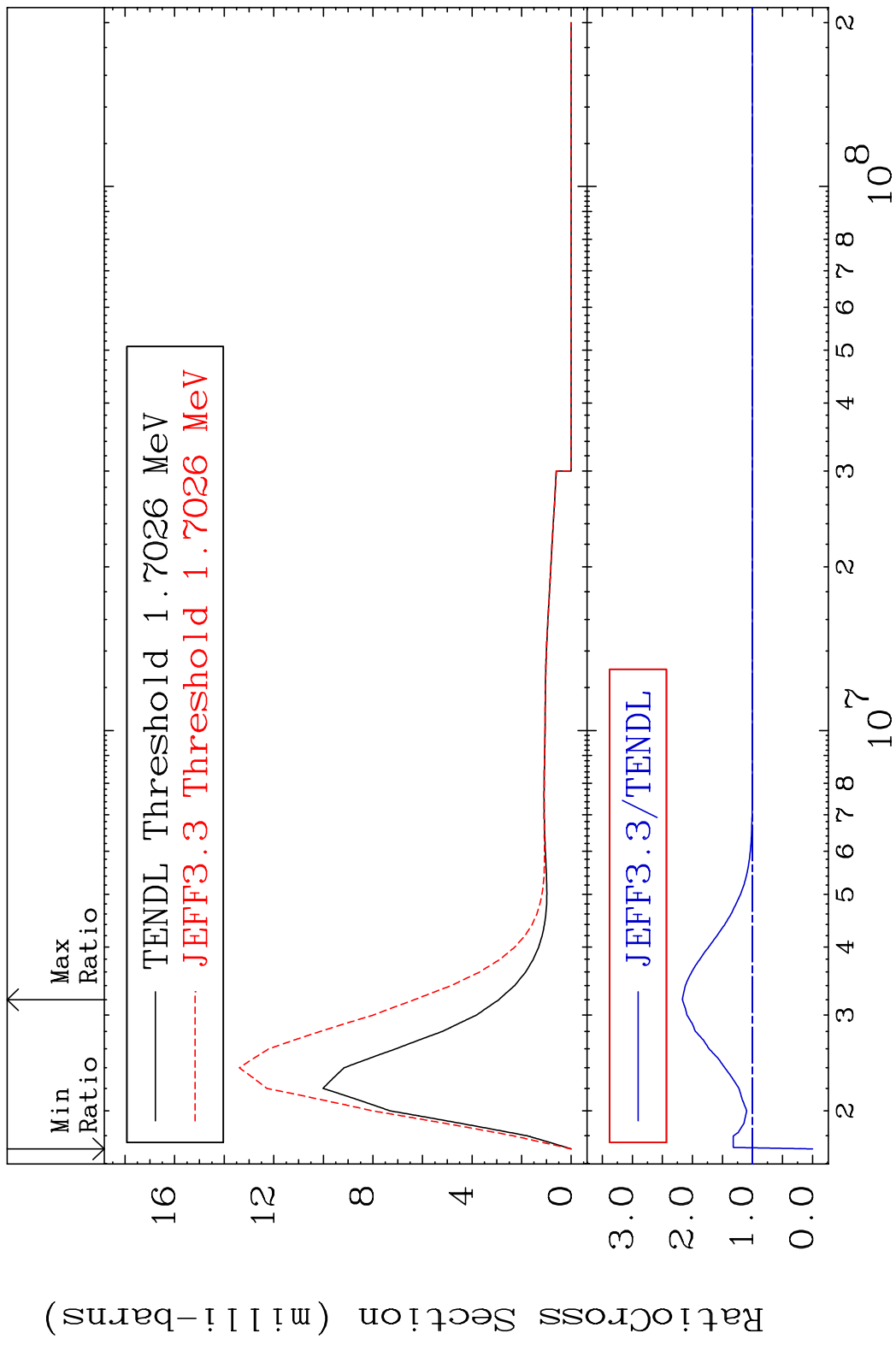
MAT 6837 MT= 71 (n,n') Level 68-Er-166  
 Cross Section -100.0 To 52.10 %



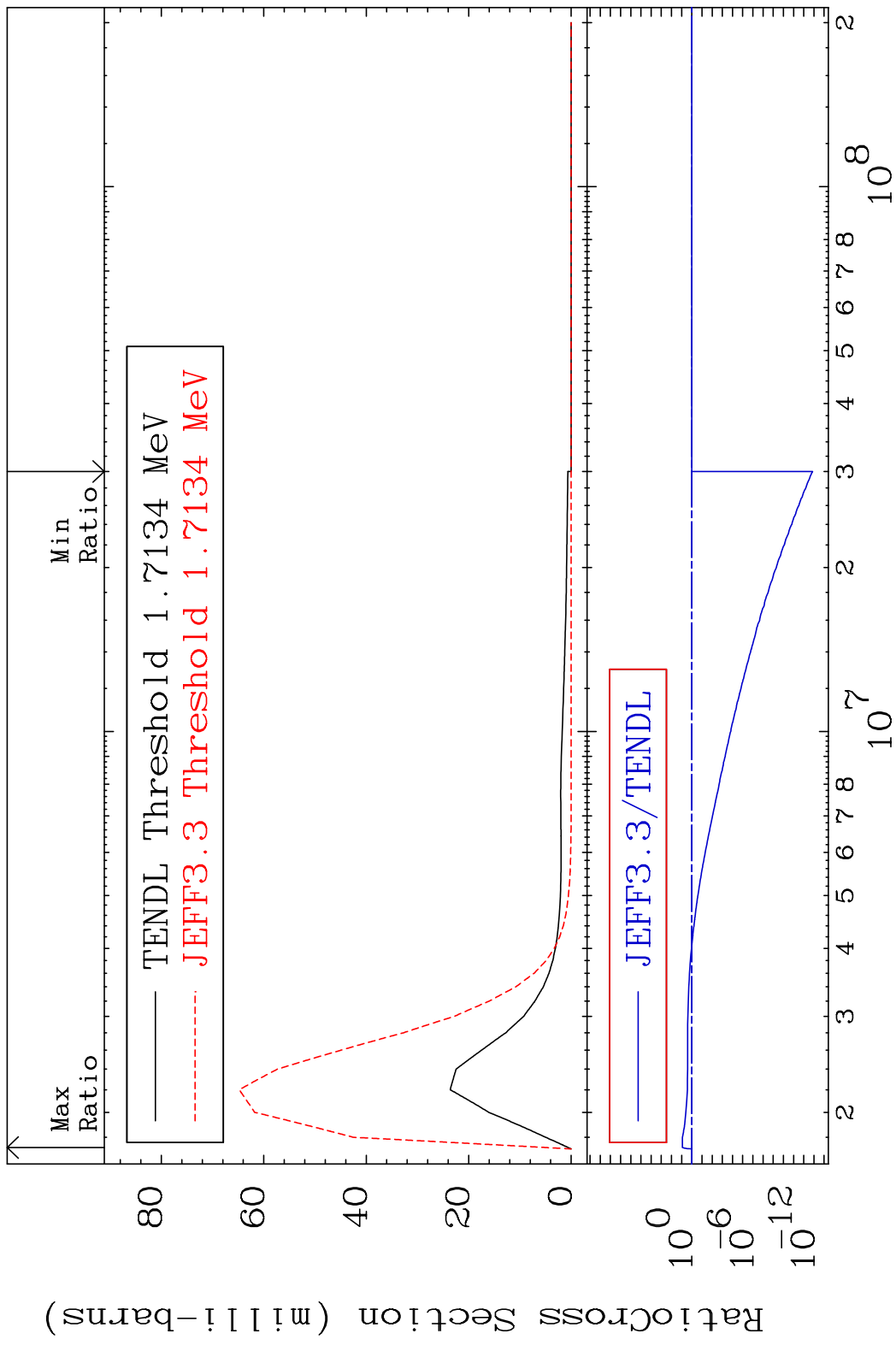
MAT 6837      MT= 72 (n, n') Level      68-Er-166  
 Cross Section    -100.0 To 118.8 %



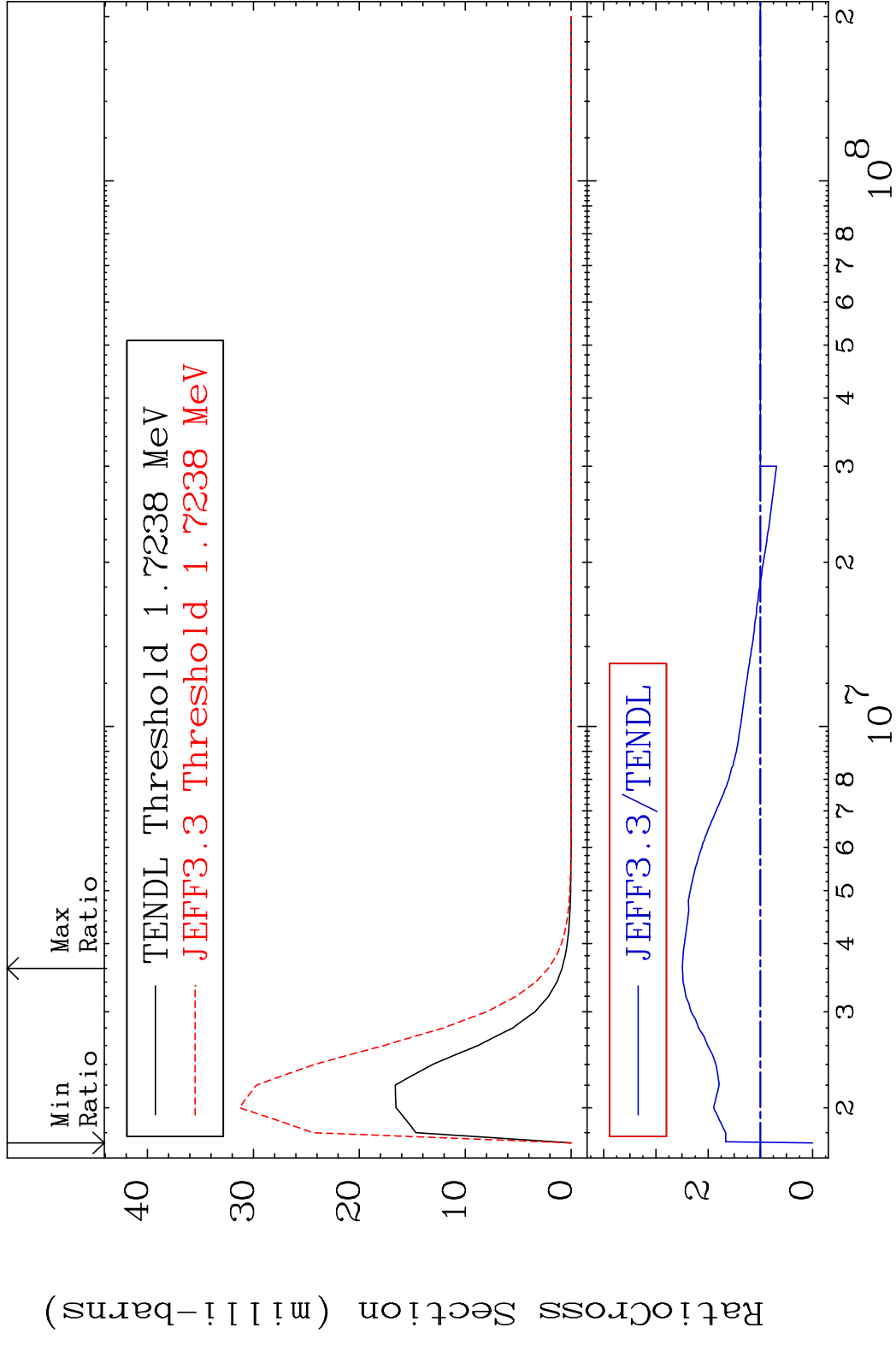
MAT 6837 MT= 73 (n, n') Level 68-Er-166  
 Cross Section -100.0 To 116.8 %



MAT 6837 MT= 74 (n, n') Level 68-Er-166  
 Cross Section -100.0 To 751.6 %

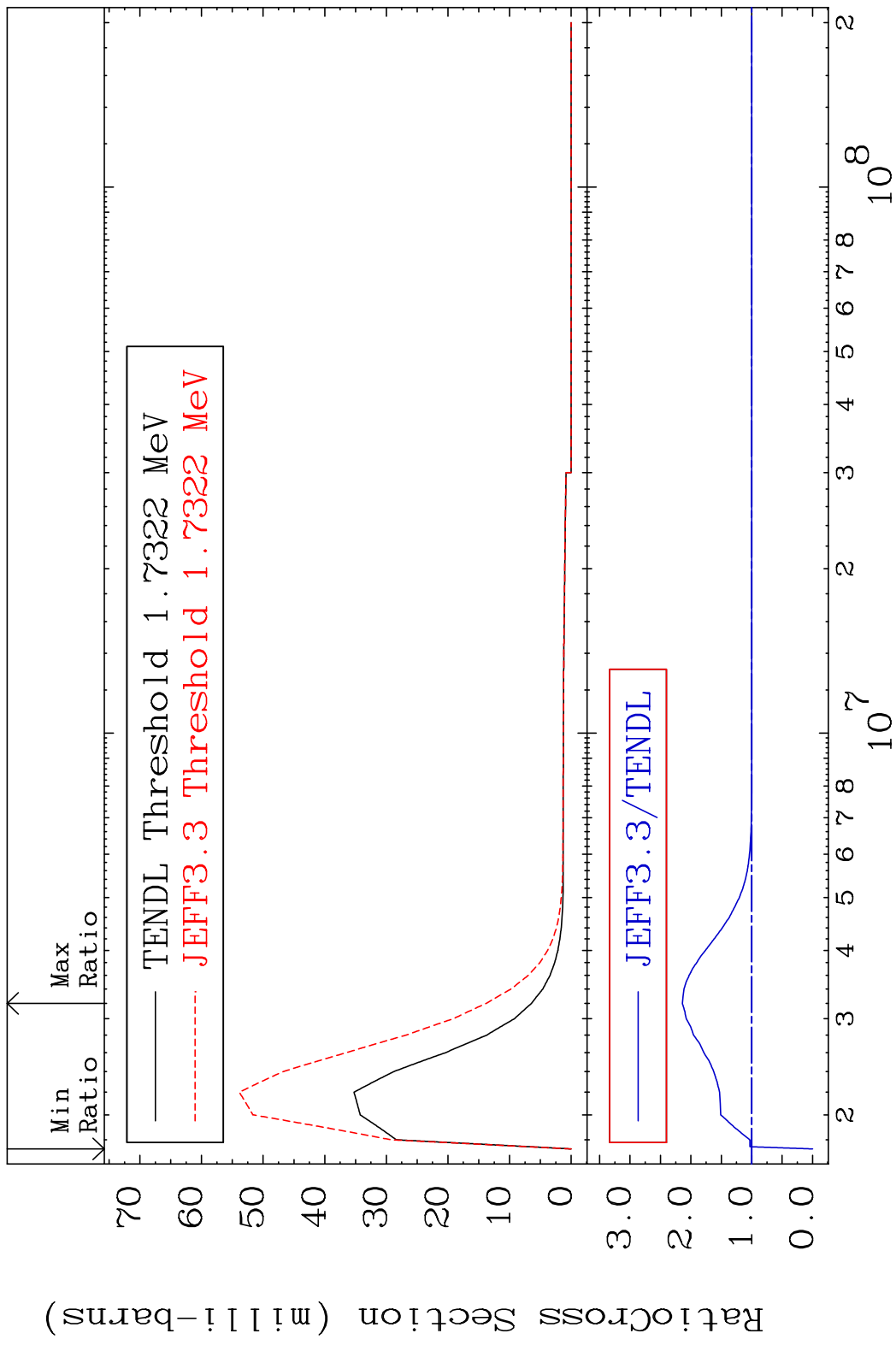


MAT 6837 MT= 75 (n, n') Level 68-Er-166  
 Cross Section -100.0 To 149.4 %

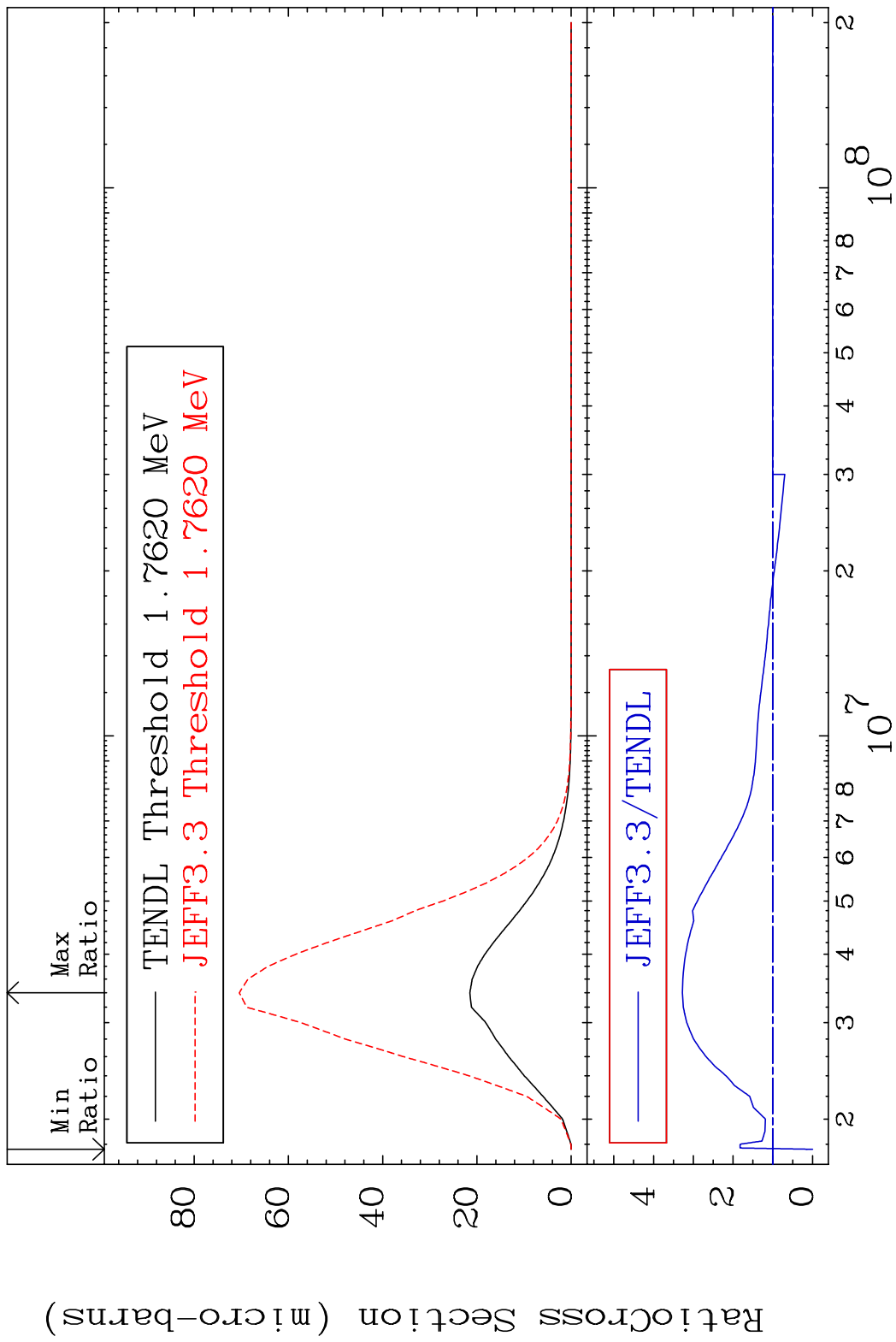


45 Incident Energy (eV) 68-Er-166

MAT 6837 MT= 76 (n, n') Level 68-Er-166  
 Cross Section -100.0 To 114.0 %

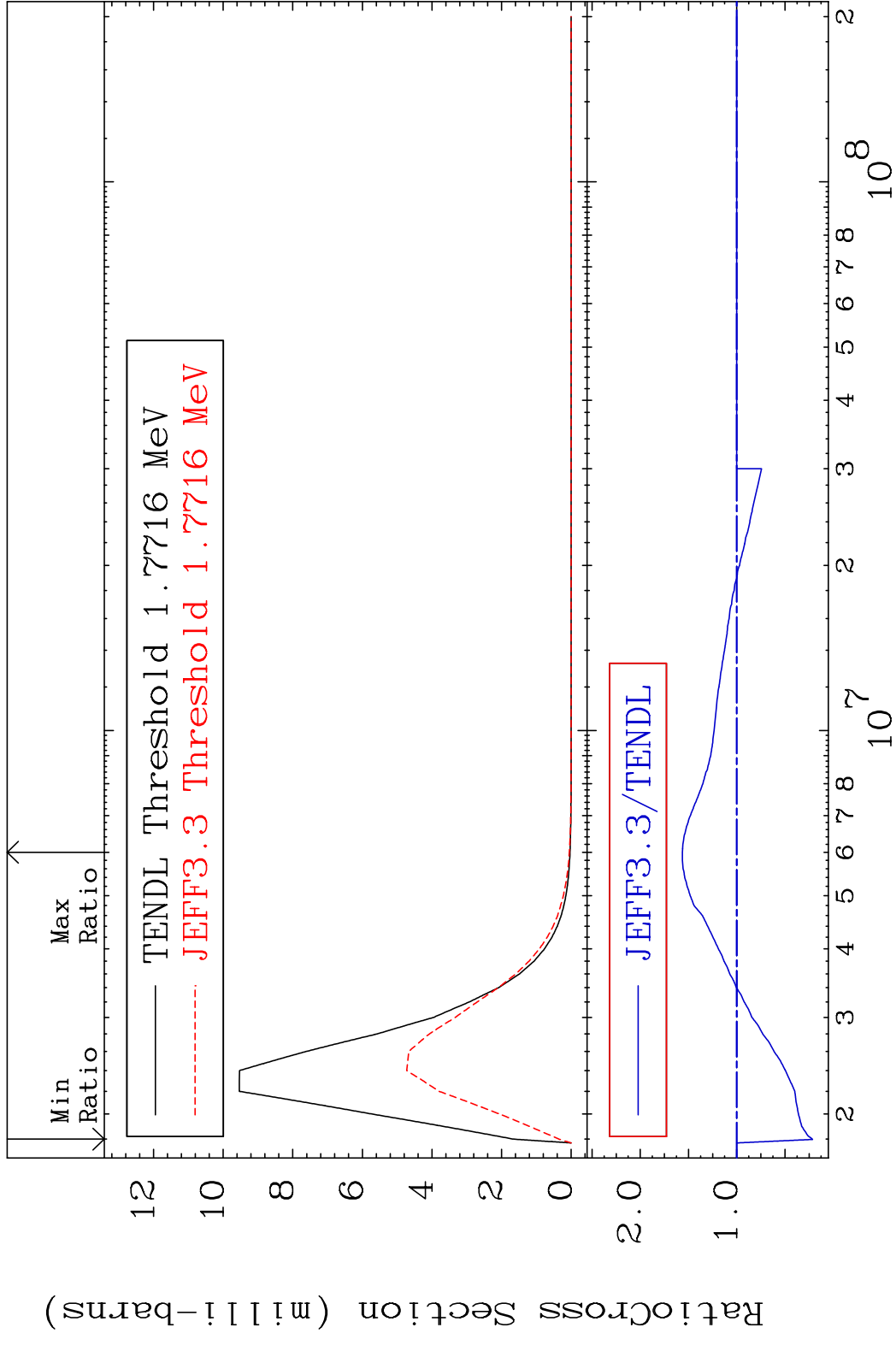


MAT 6837 MT= 77 (n, n') Level 68-Er-166  
 Cross Section -100.0 To 227.5 %

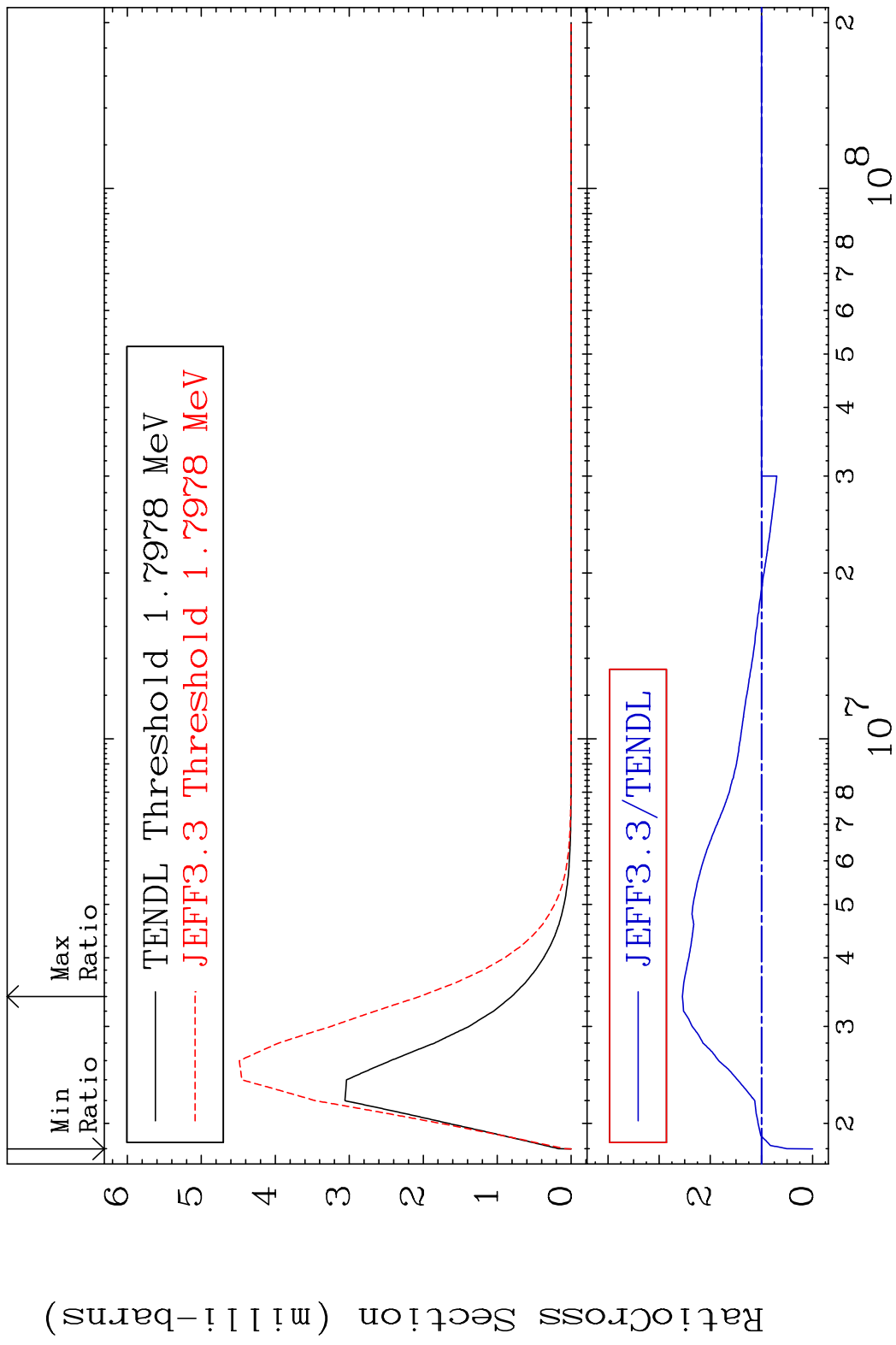




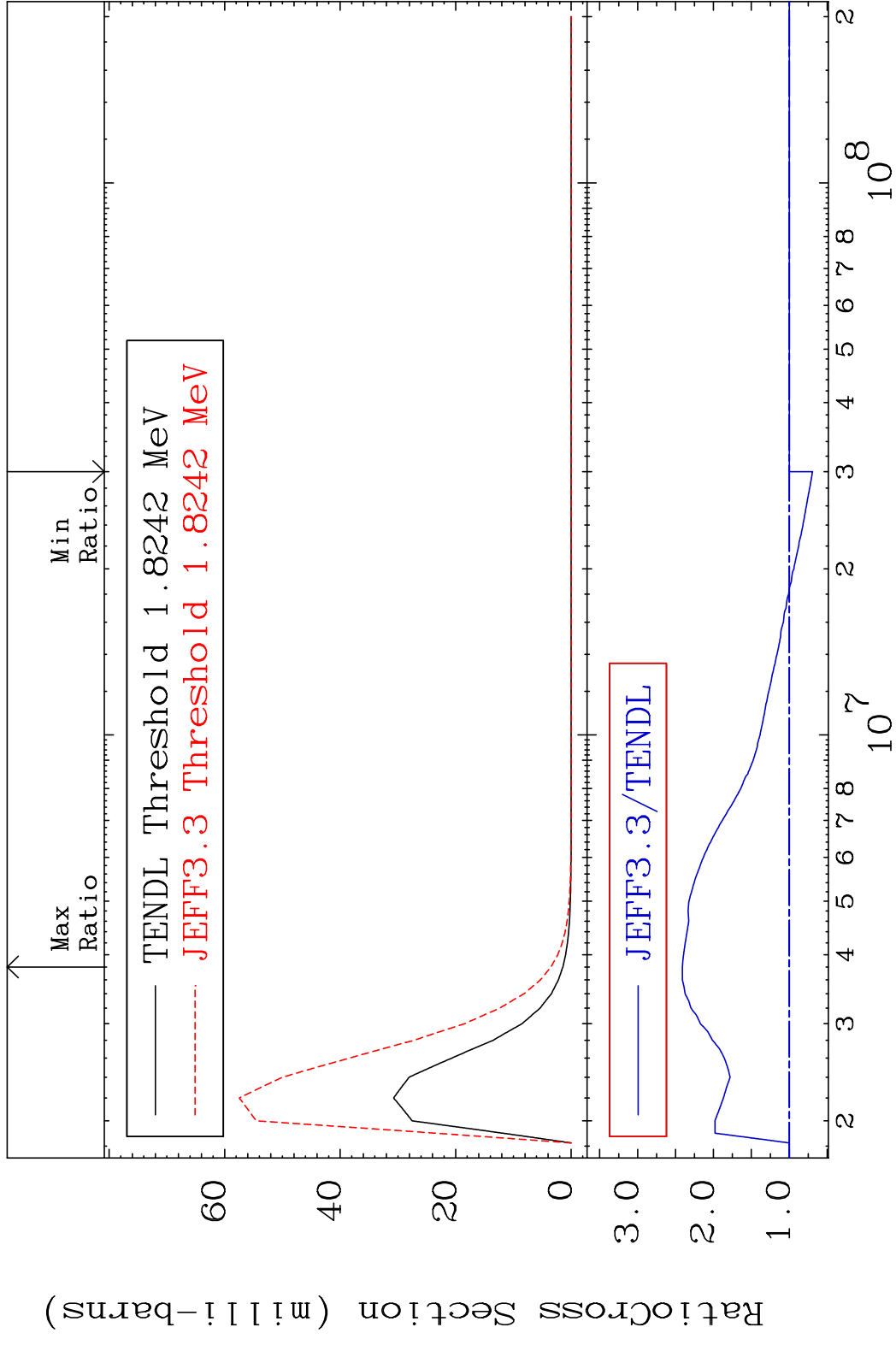
MAT 6837 MT= 78 (n, n') Level 68-Er-166  
 Cross Section -78.60 To 56.37 %



MAT 6837 MT= 79 (n, n') Level 68-Er-166  
 Cross Section -100.0 To 154.7 %



MAT 6837 MT= 80 (n, n') Level 68-Er-166  
 Cross Section -30.68 To 141.0 %



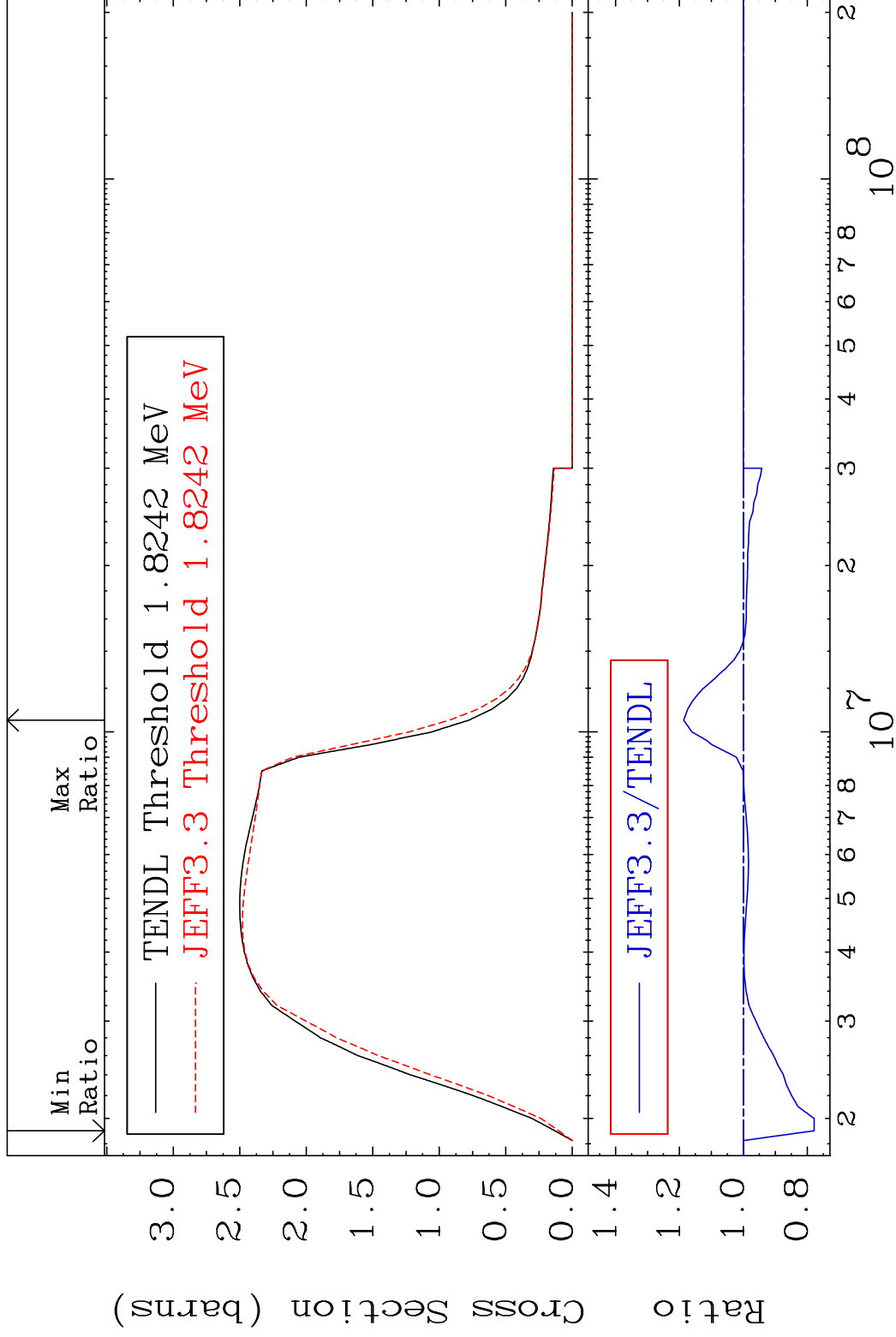
50 Incident Energy (eV) 68-Er-166

MAT 6837

(n,n') Continuum

68-Er-166

Cross Section -22.12 To 18.68 %

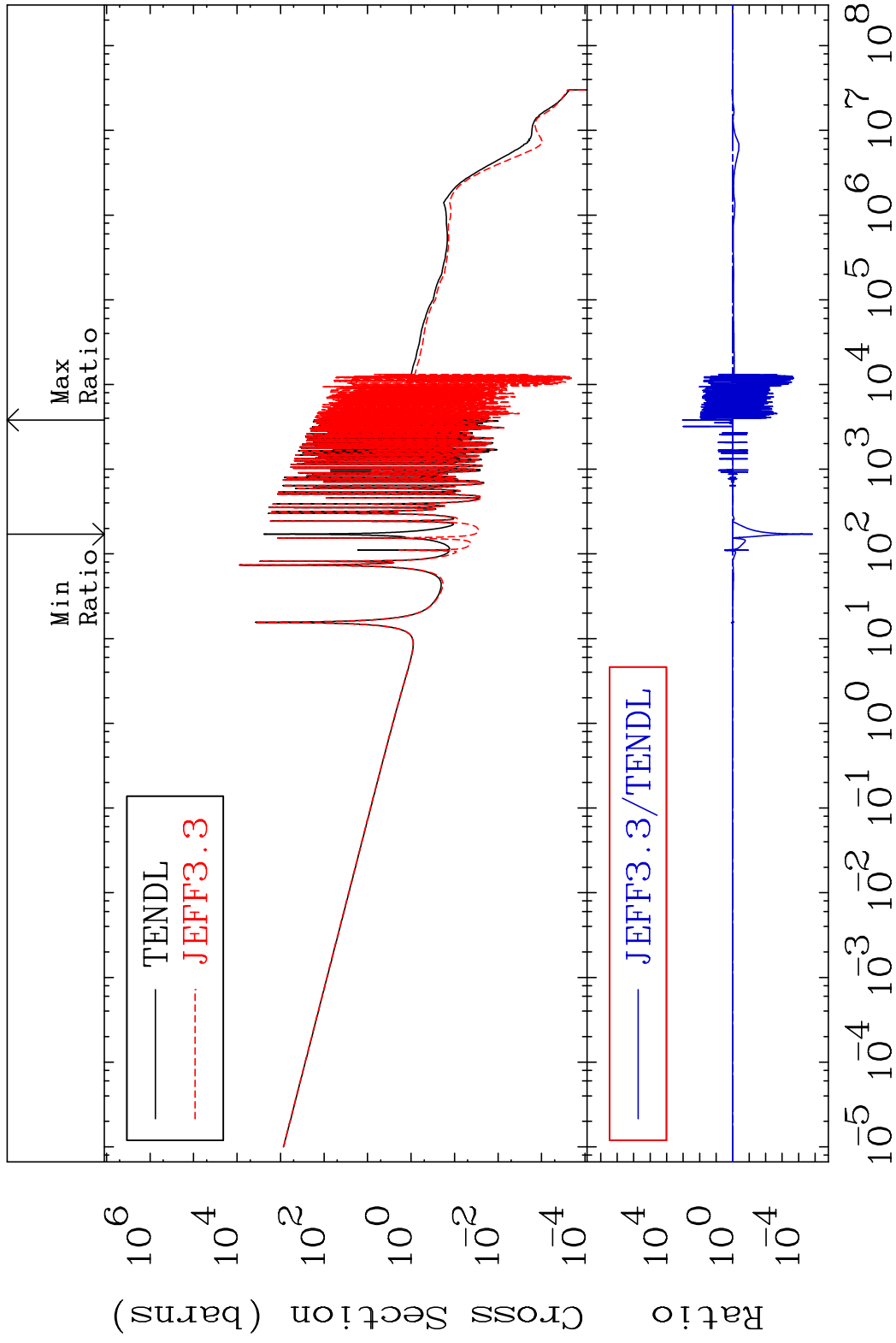


MAT 6837

(n,  $\gamma$ )

68-Er-166

Cross Section -100.0 To 9999. %



52

Incident Energy (eV)

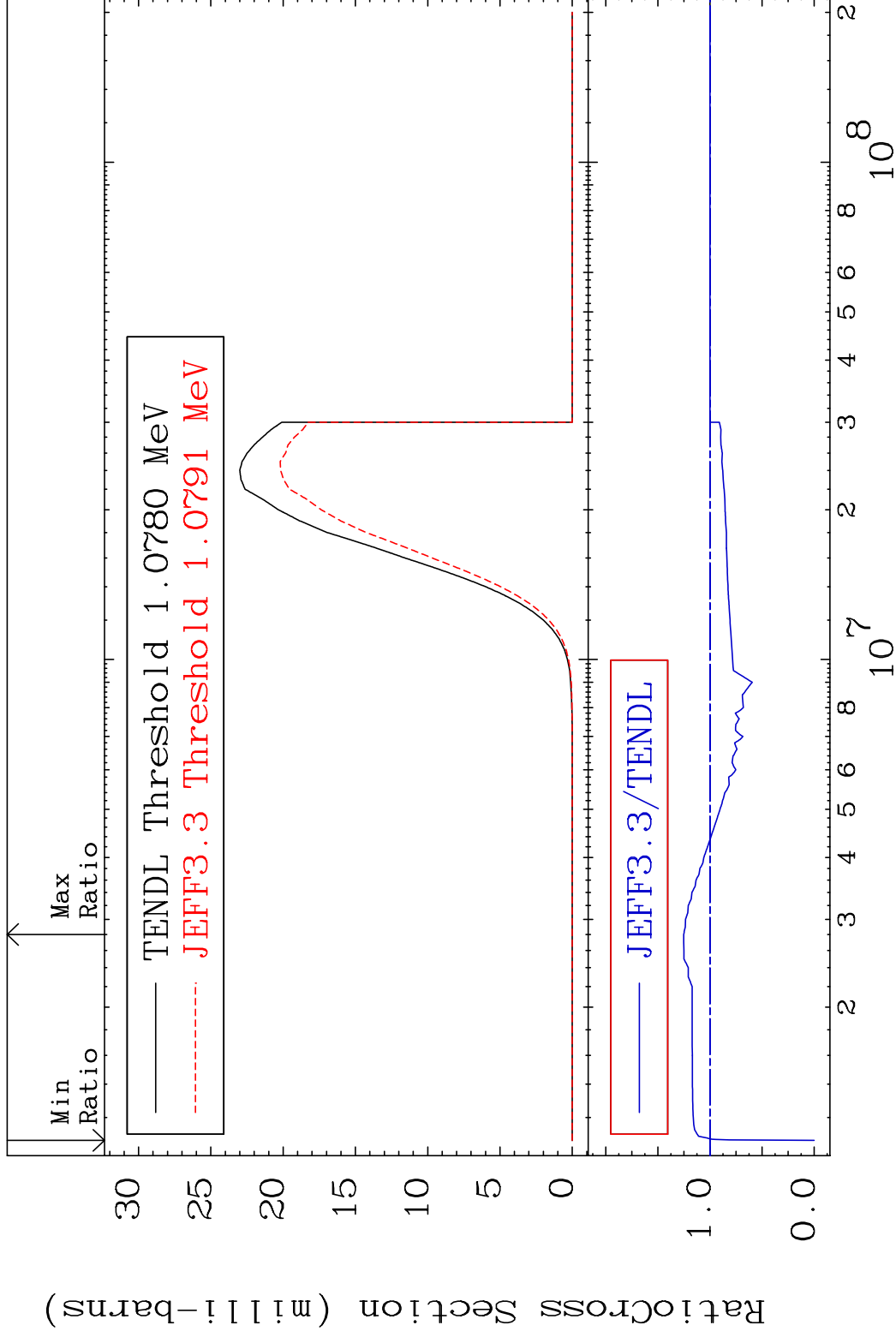
68-Er-166

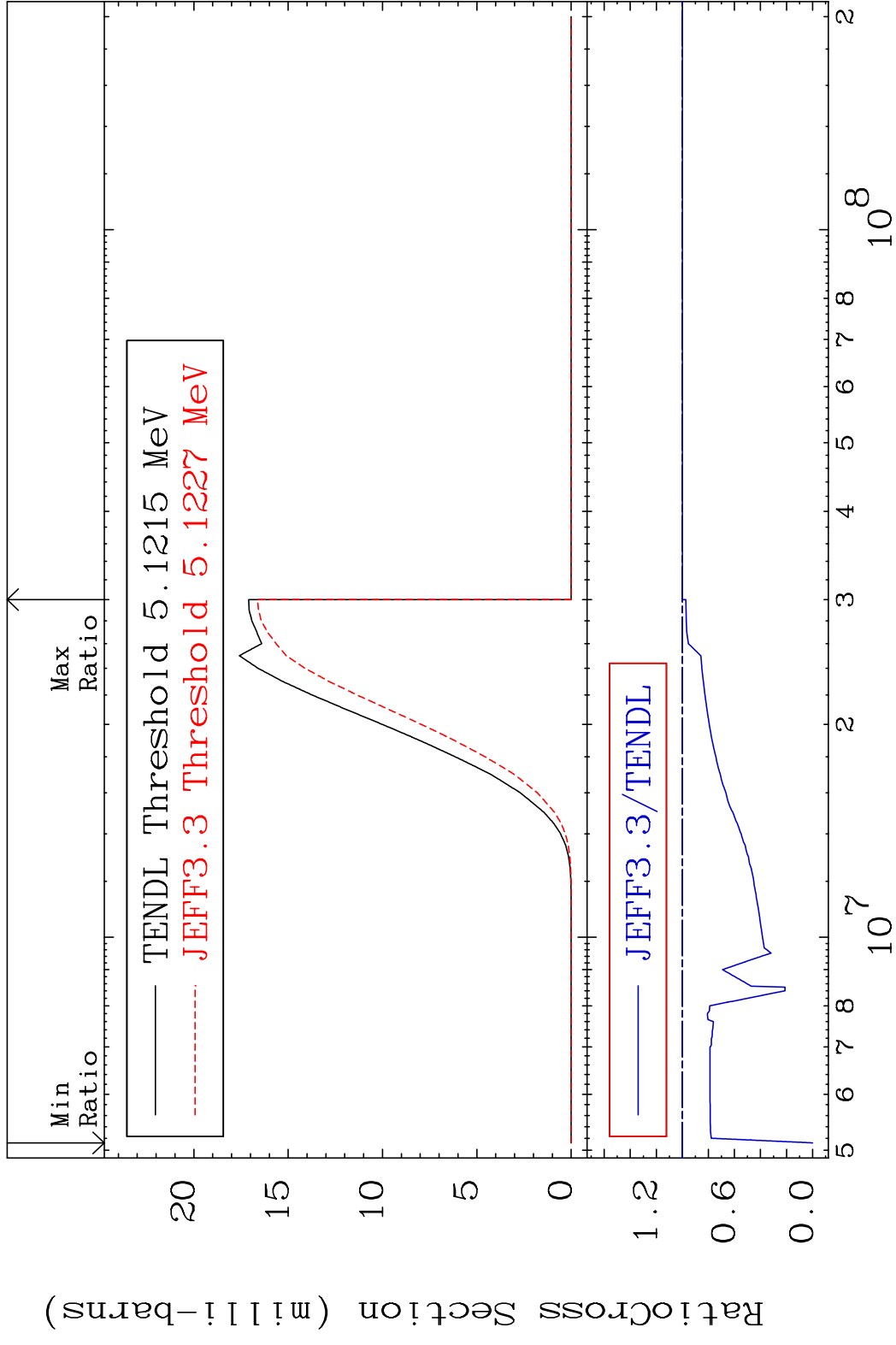
MAT 6837

(n,p)

68-Er-166

Cross Section -100.0 To 25.18 %



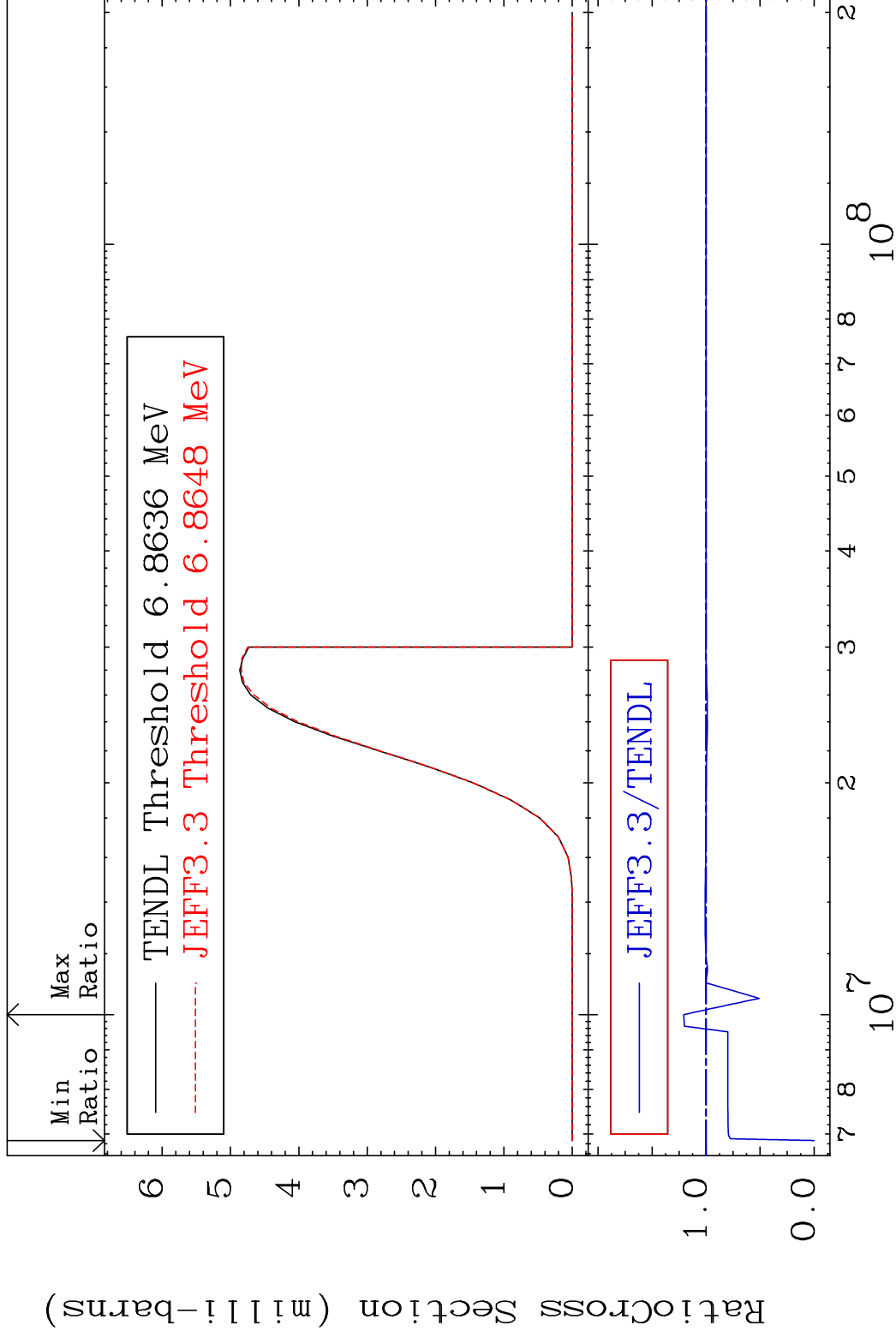


MAT 6837

(n, t)

68-Er-166

Cross Section -100.0 To 20.78 %



55

Incident Energy (eV)

68-Er-166

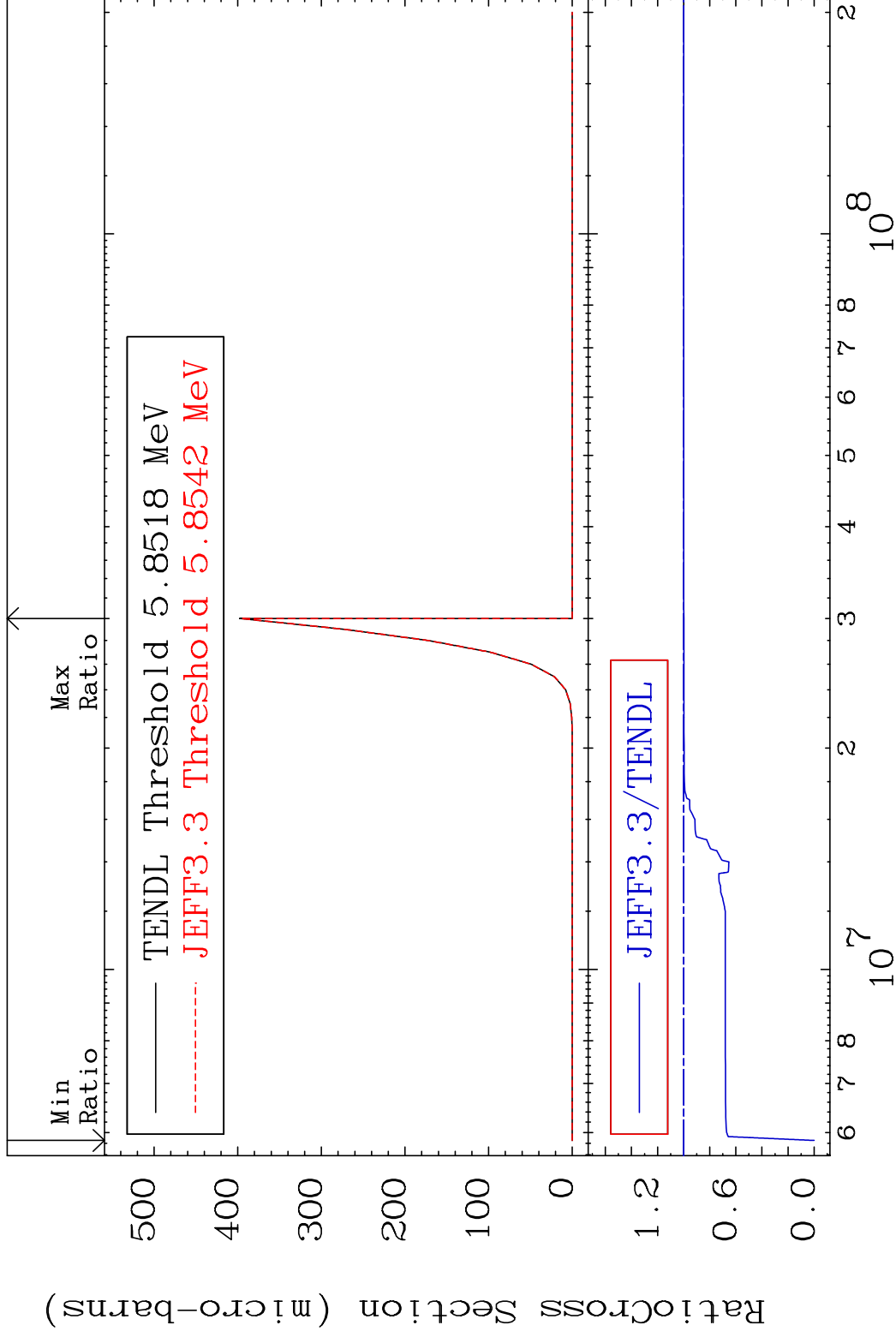


MAT 6837

(n, He-3)

68-Er-166

Cross Section -100.0 To 0.000 %



56

Incident Energy (eV)

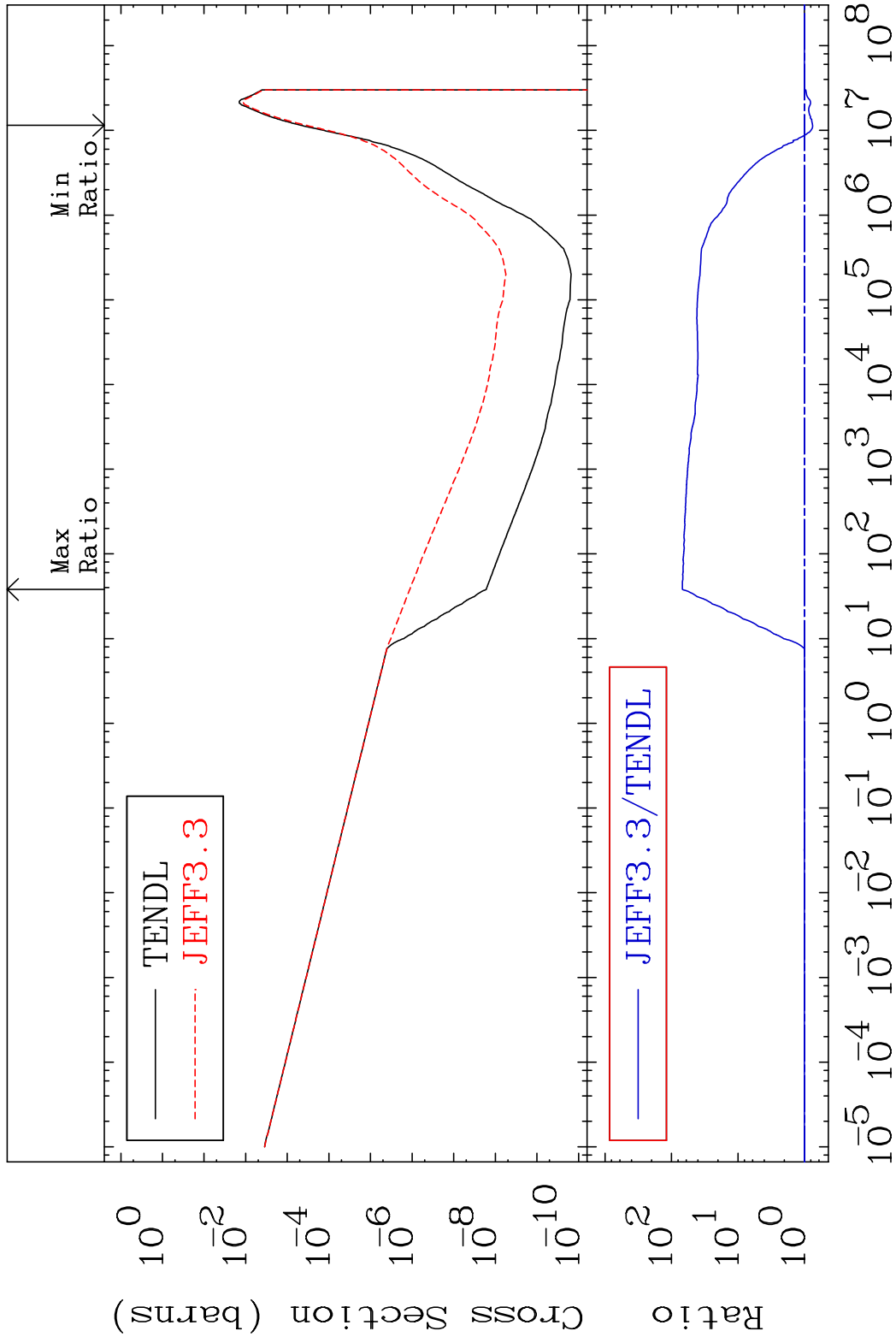
68-Er-166

MAT 6837

(n,  $\alpha$ )

68-Er-166

Cross Section -24.83 To 6770. %



57

Incident Energy (eV)

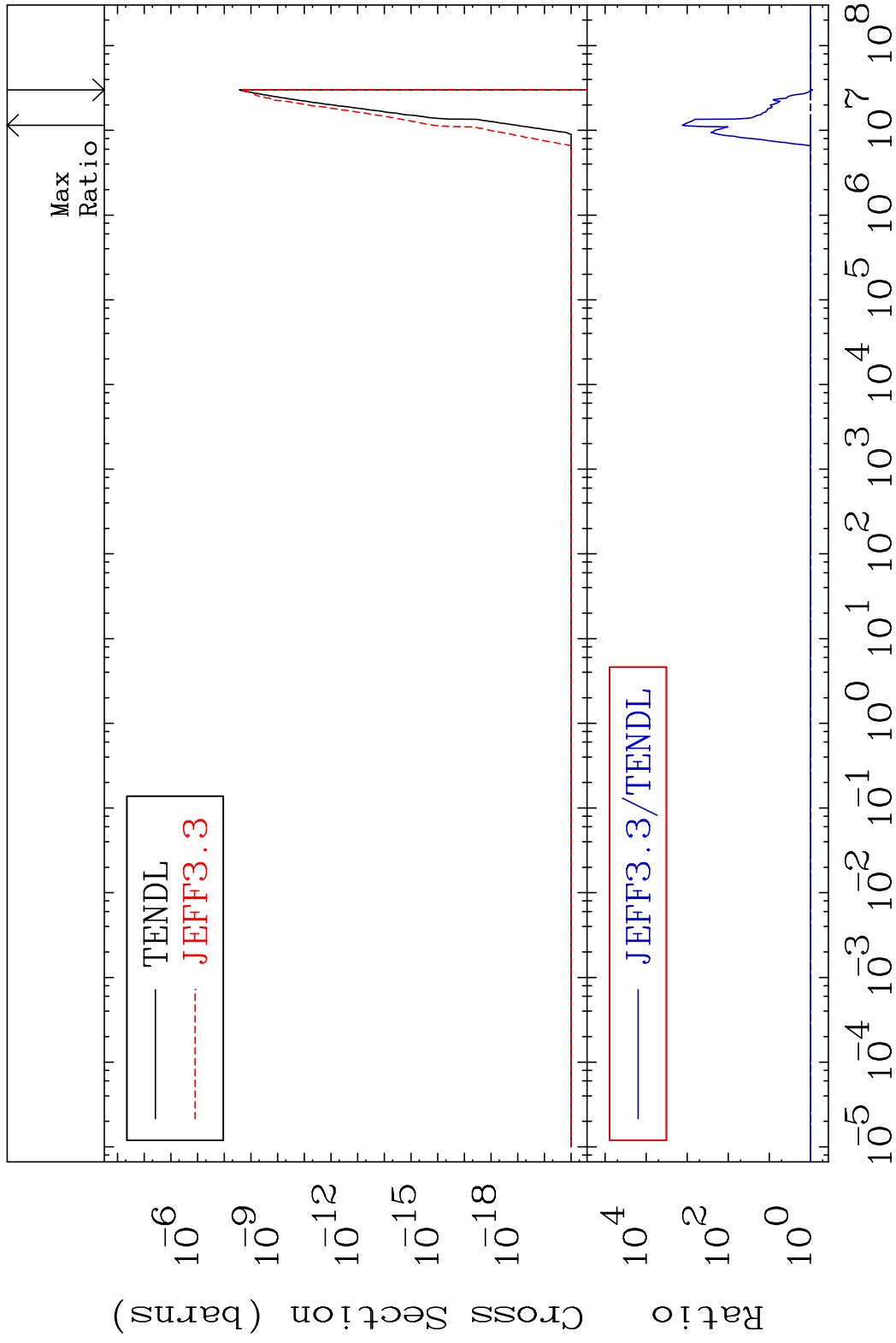
68-Er-166

MAT 6837

(n, 2α)

68-Er-166

Cross Section -11.94 To 9999. %



58

Incident Energy (eV)

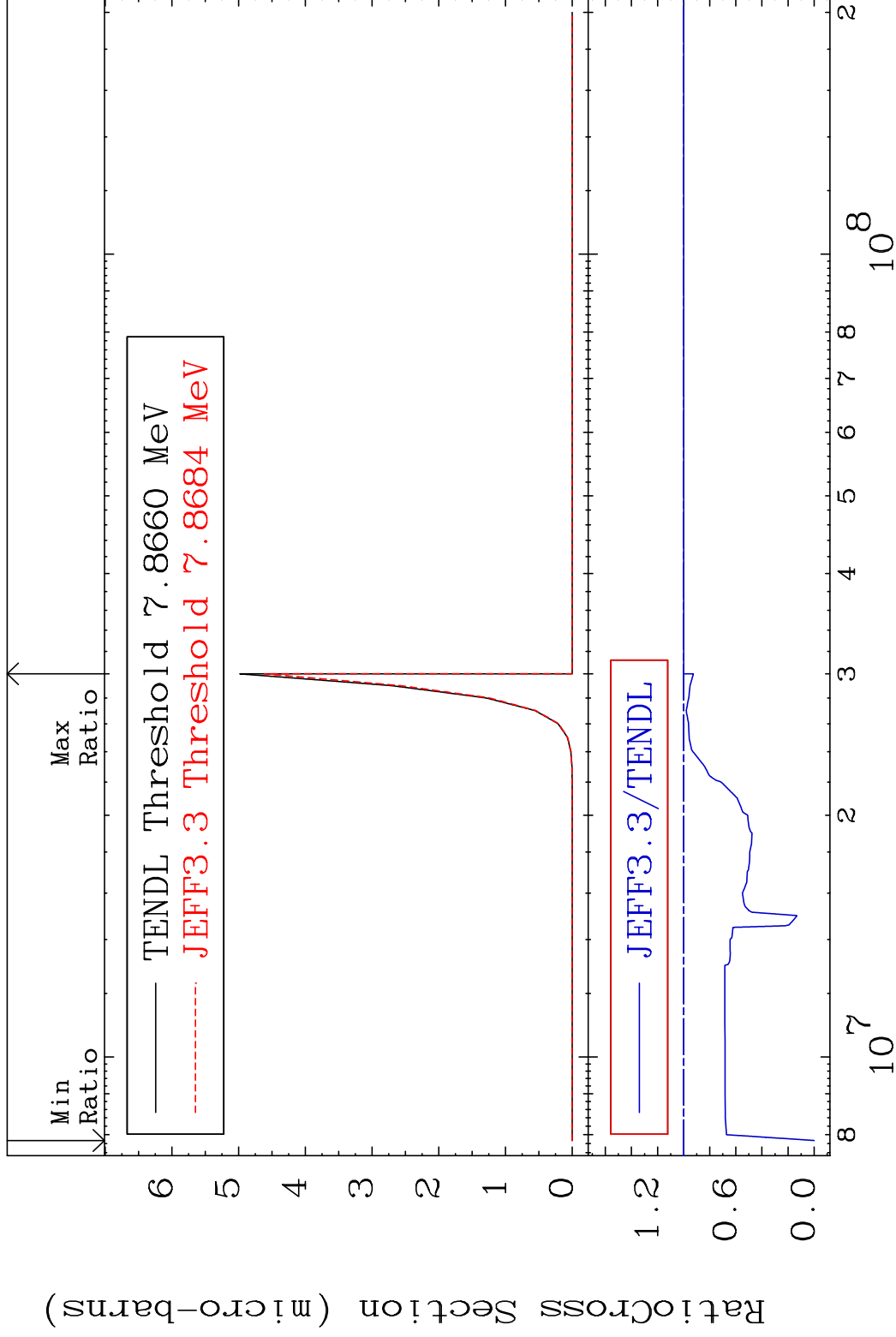
68-Er-166

MAT 6837

(n,2p)

68-Er-166

Cross Section -100.0 To 0.000 %



59

Incident Energy (eV)

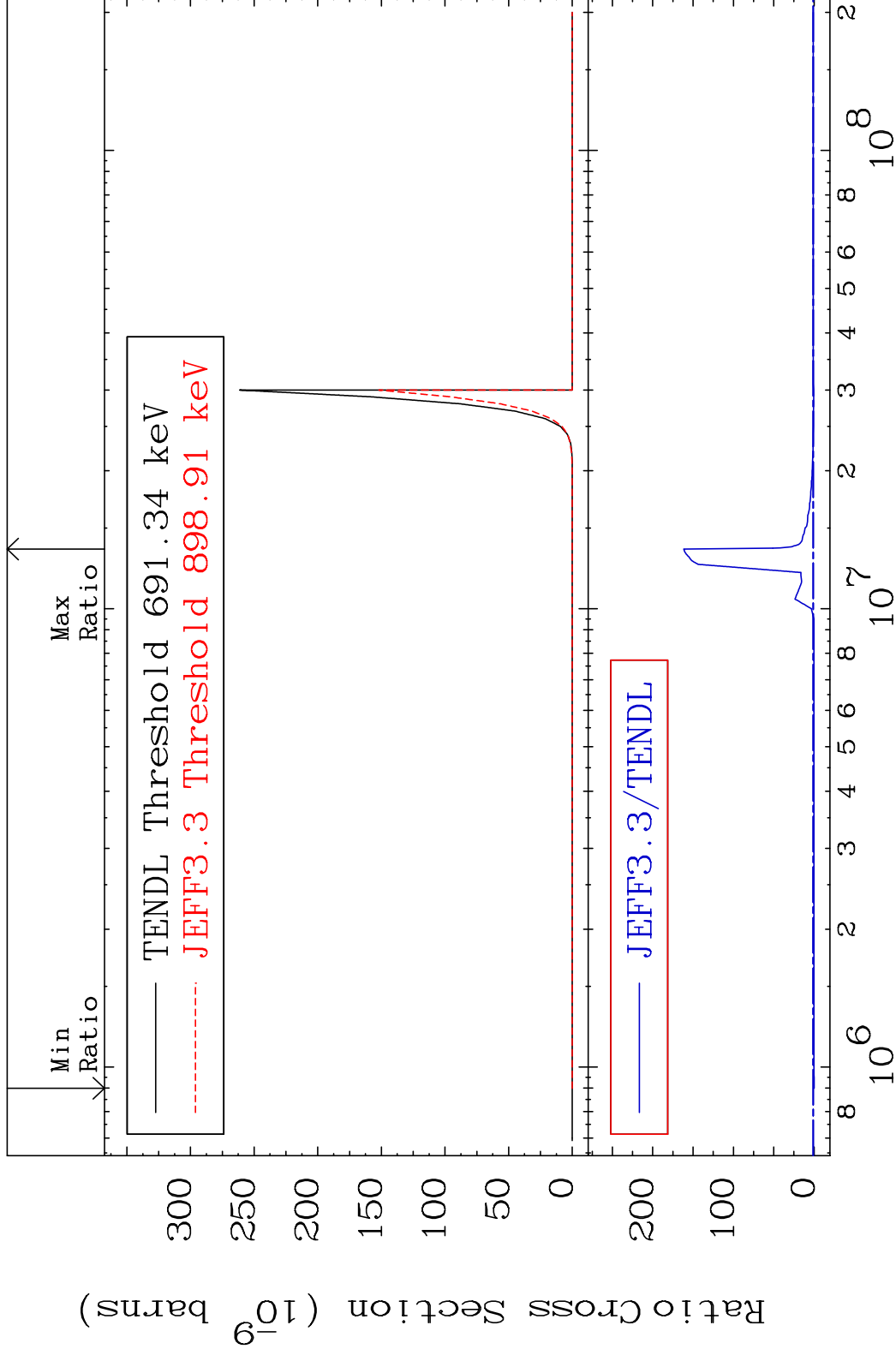
68-Er-166

MAT 6837

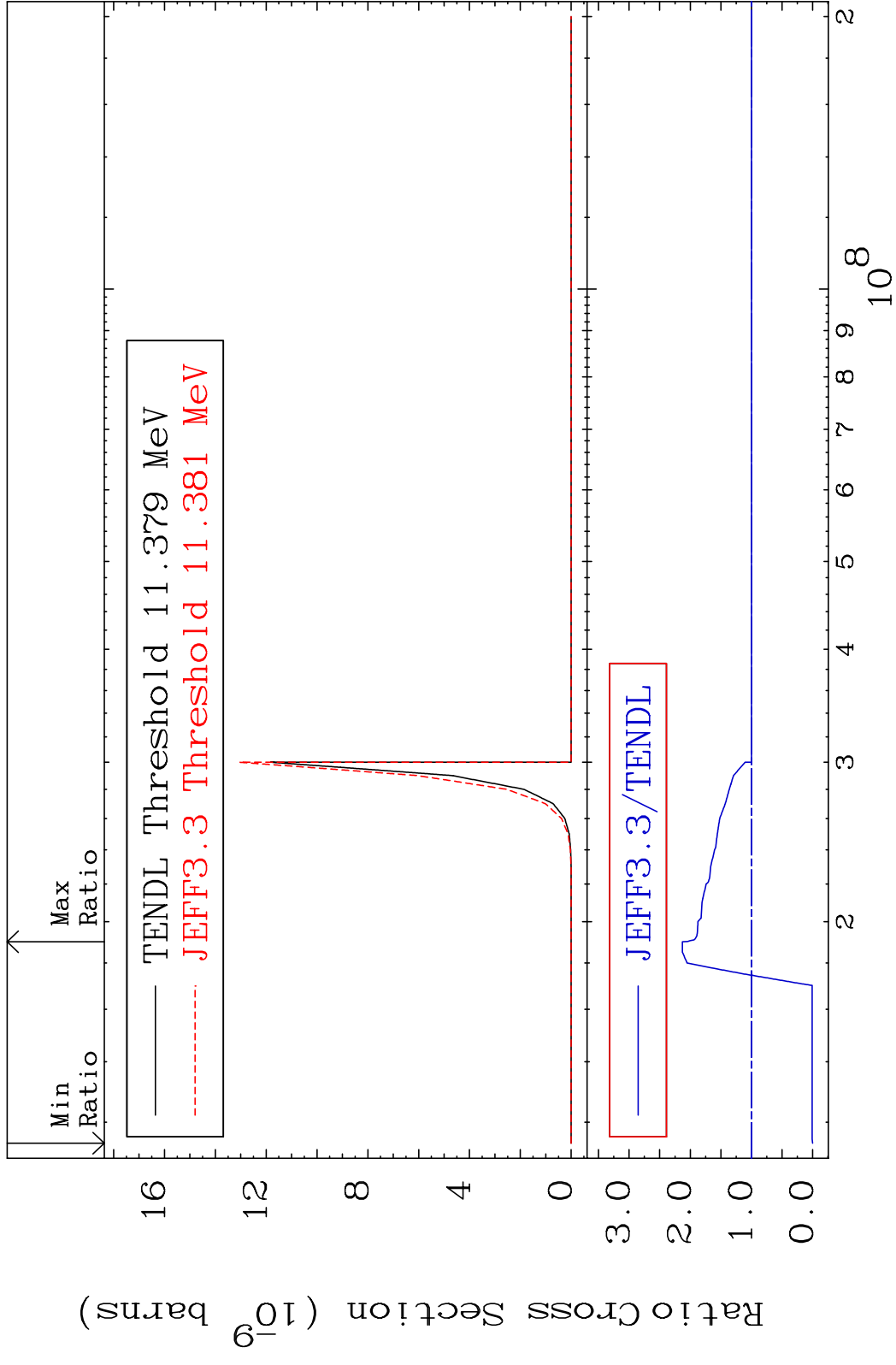
(n,p)  $\alpha$

68-Er-166

Cross Section -100.0 To 9999. %



MAT 6837 (n,p) d 68-Er-166  
 Cross Section -100.0 To 112.9 %

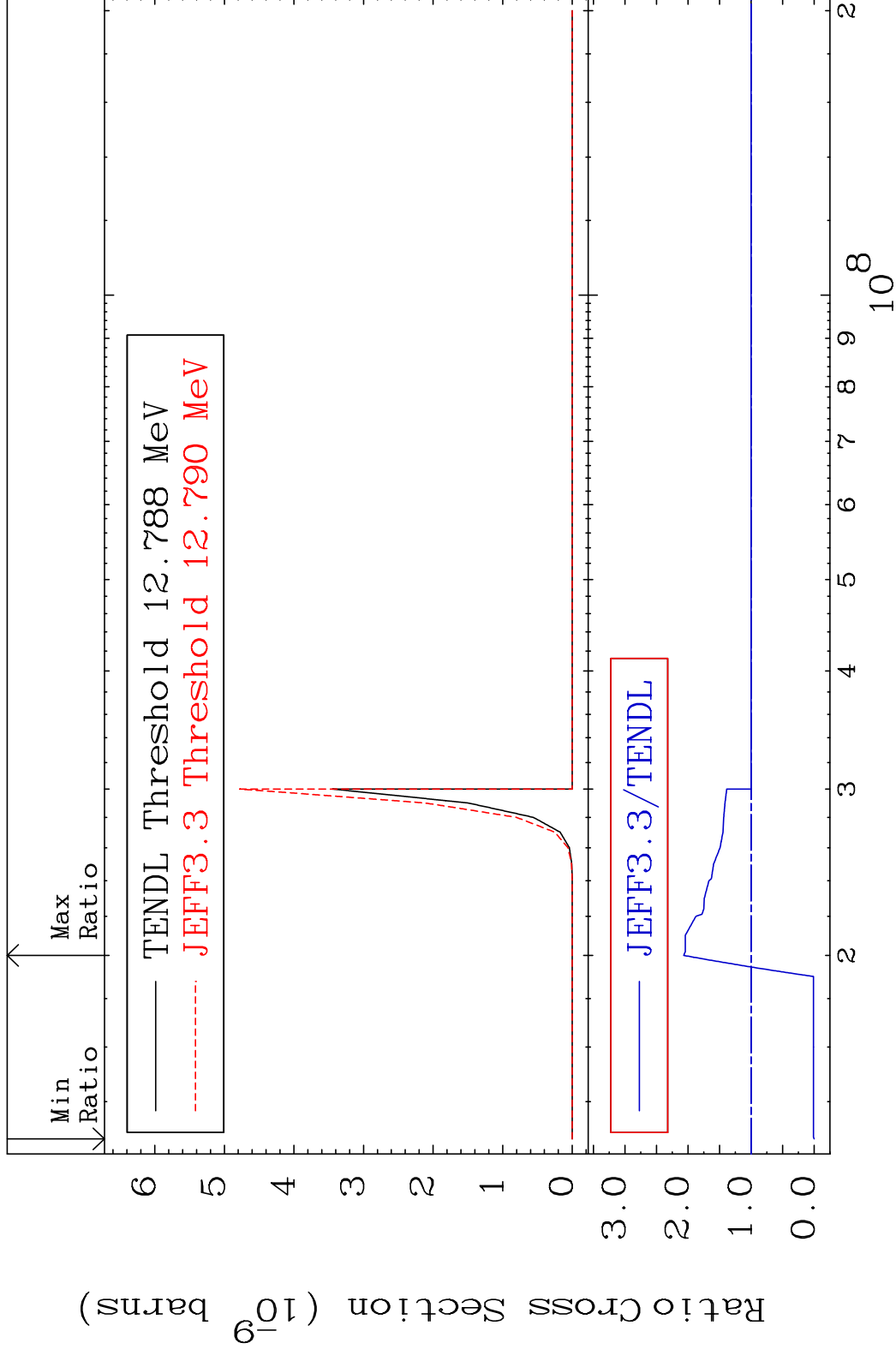


MAT 6837

(n,p) t

68-Er-166

Cross Section -100.0 To 106.9 %



62

Incident Energy (eV)

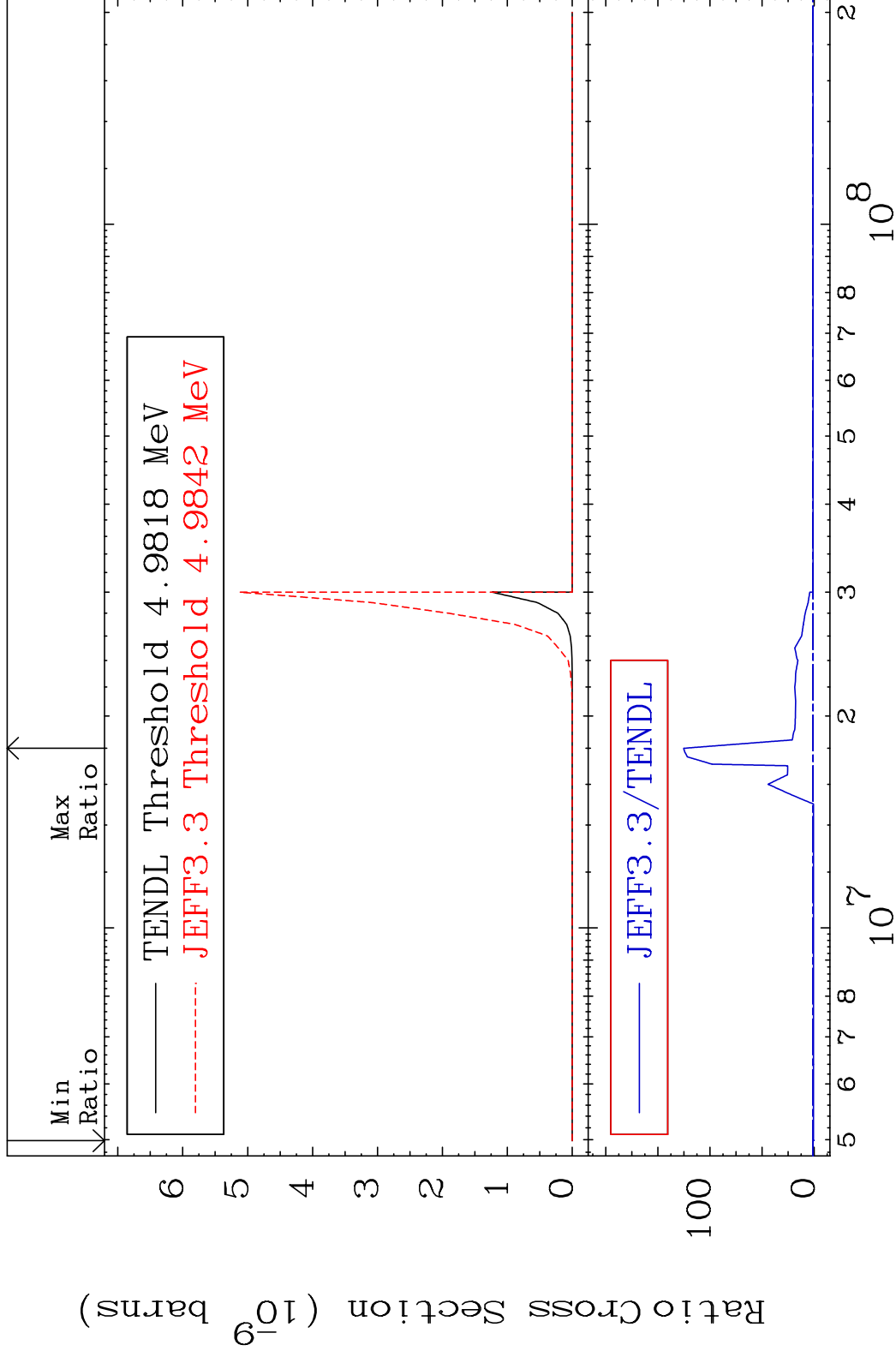
68-Er-166

MAT 6837

(n, d)  $\alpha$

68-Er-166

Cross Section -100.0 To 9999. %



63

Incident Energy (eV)

68-Er-166

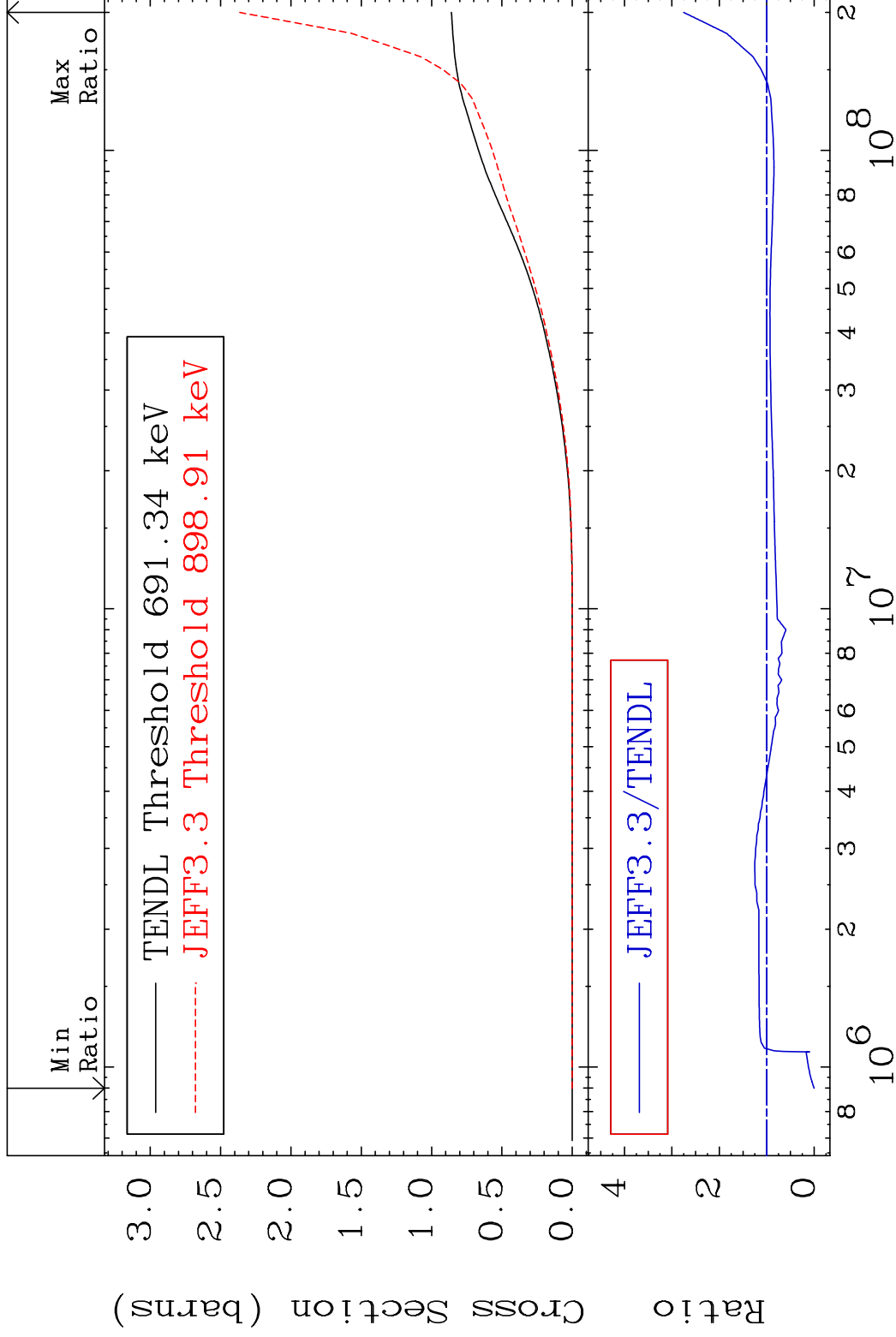


MAT 6837

Hydrogen Production

68-Er-166

Cross Section -100.0 To 175.2 %



64

Incident Energy (eV)

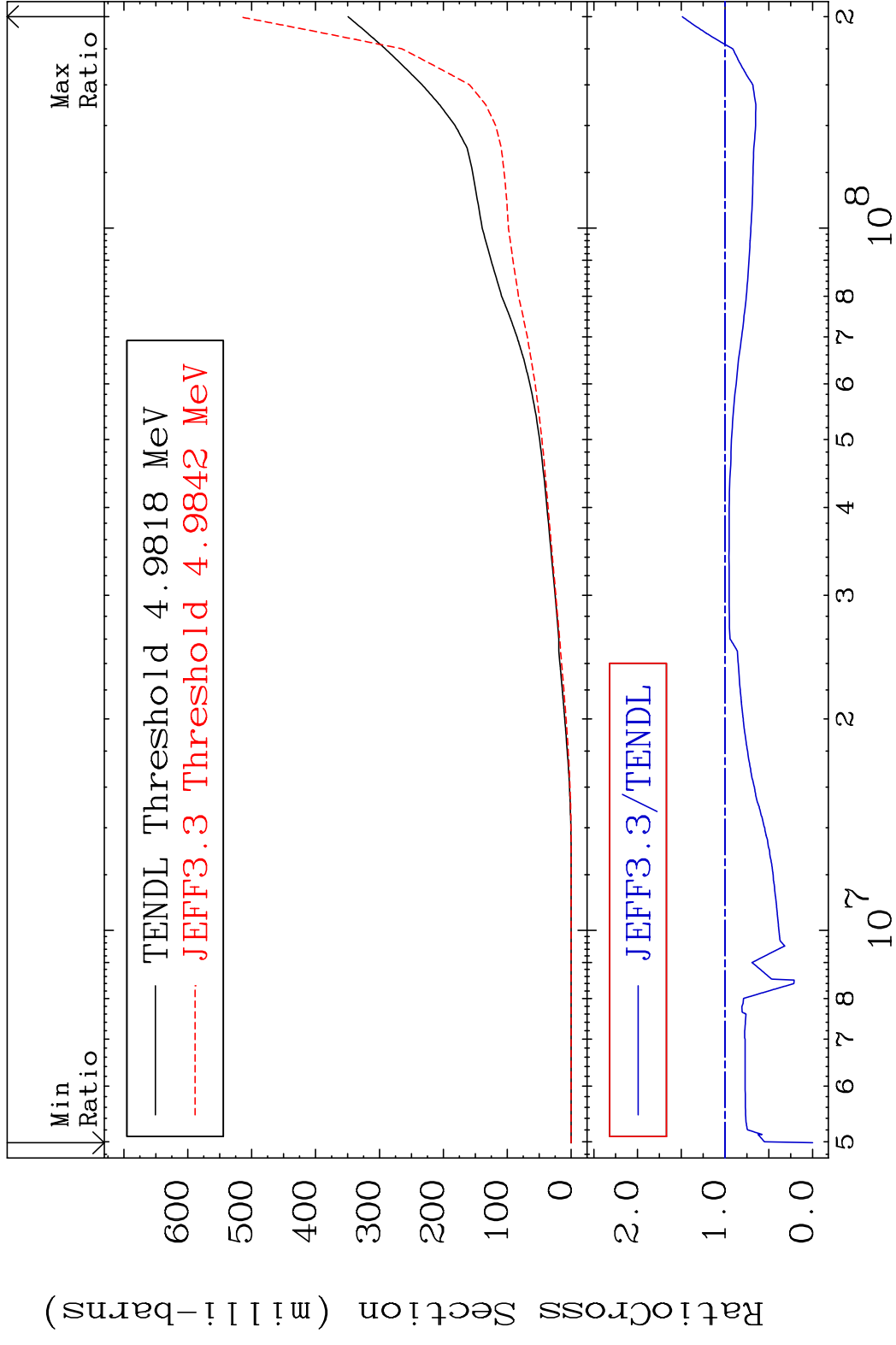
68-Er-166

MAT 6837

Deuterium Production

68-Er-166

Cross Section -100.0 To 48.80 %



65

Incident Energy (eV)

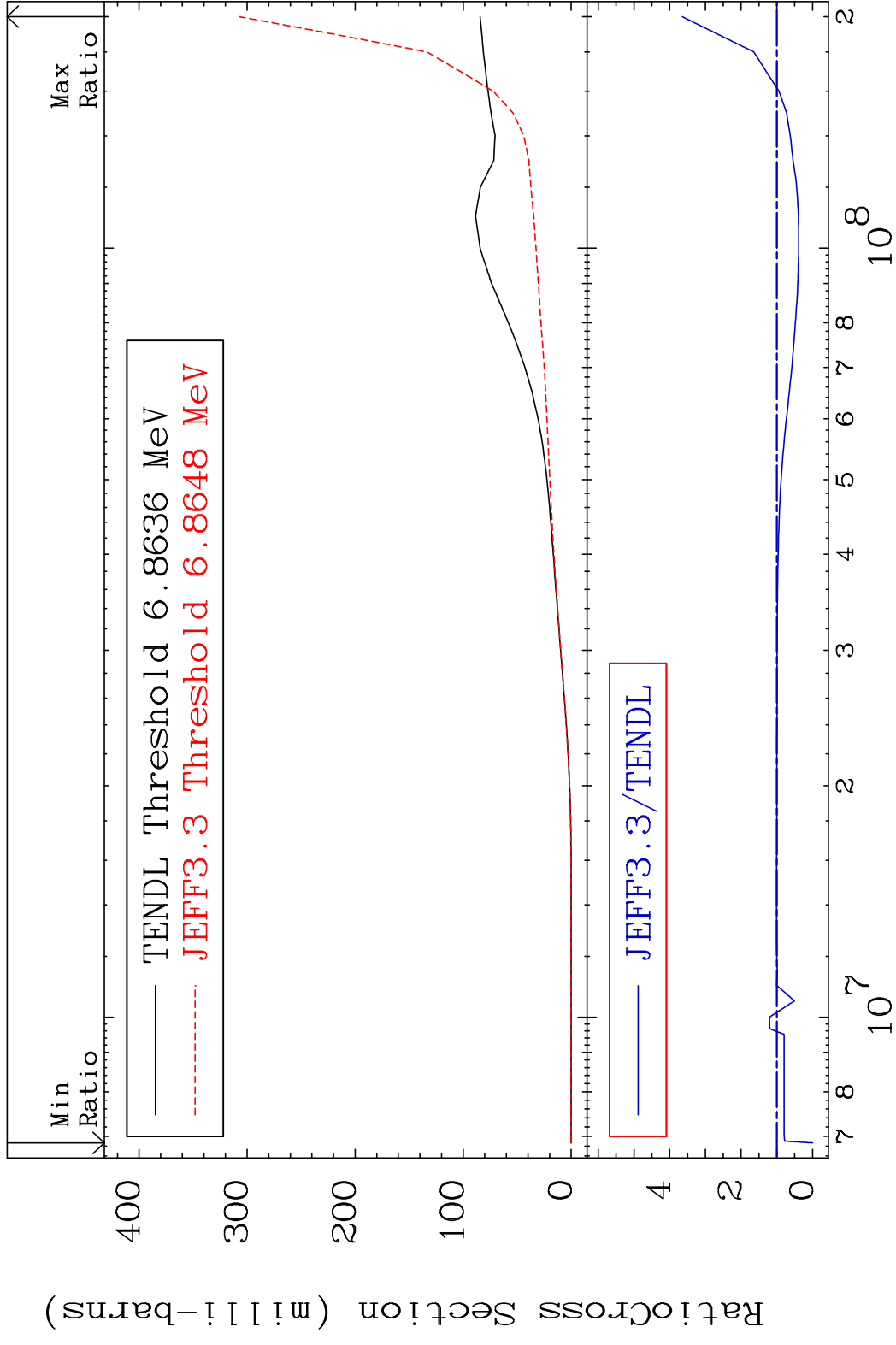
68-Er-166

MAT 6837

Tritium Production

68-Er-166

Cross Section -100.0 To 264.5 %



66

Incident Energy (eV)

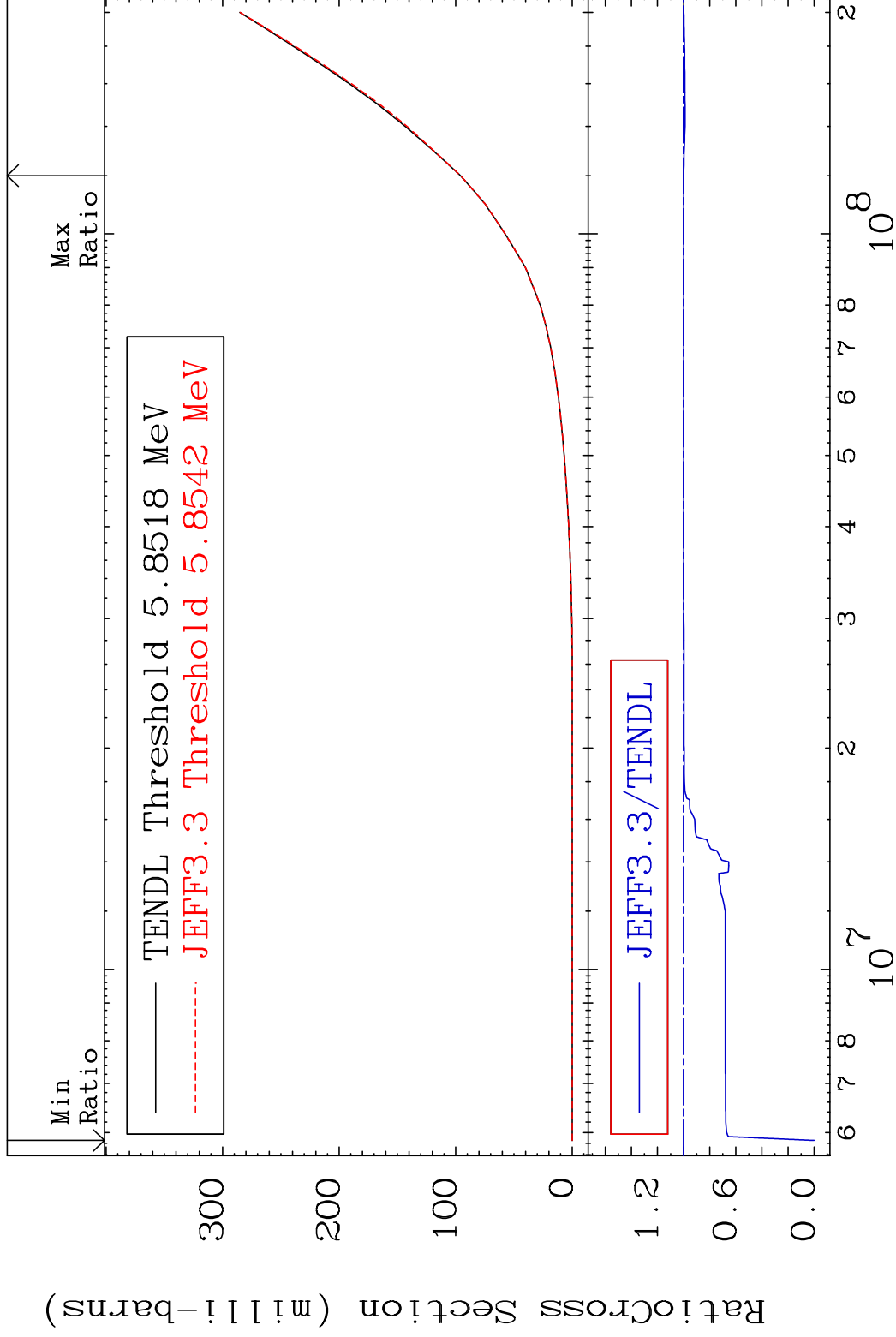
68-Er-166

MAT 6837

He-3 Production

68-Er-166

Cross Section -100.0 To -0.026%



67

Incident Energy (eV)

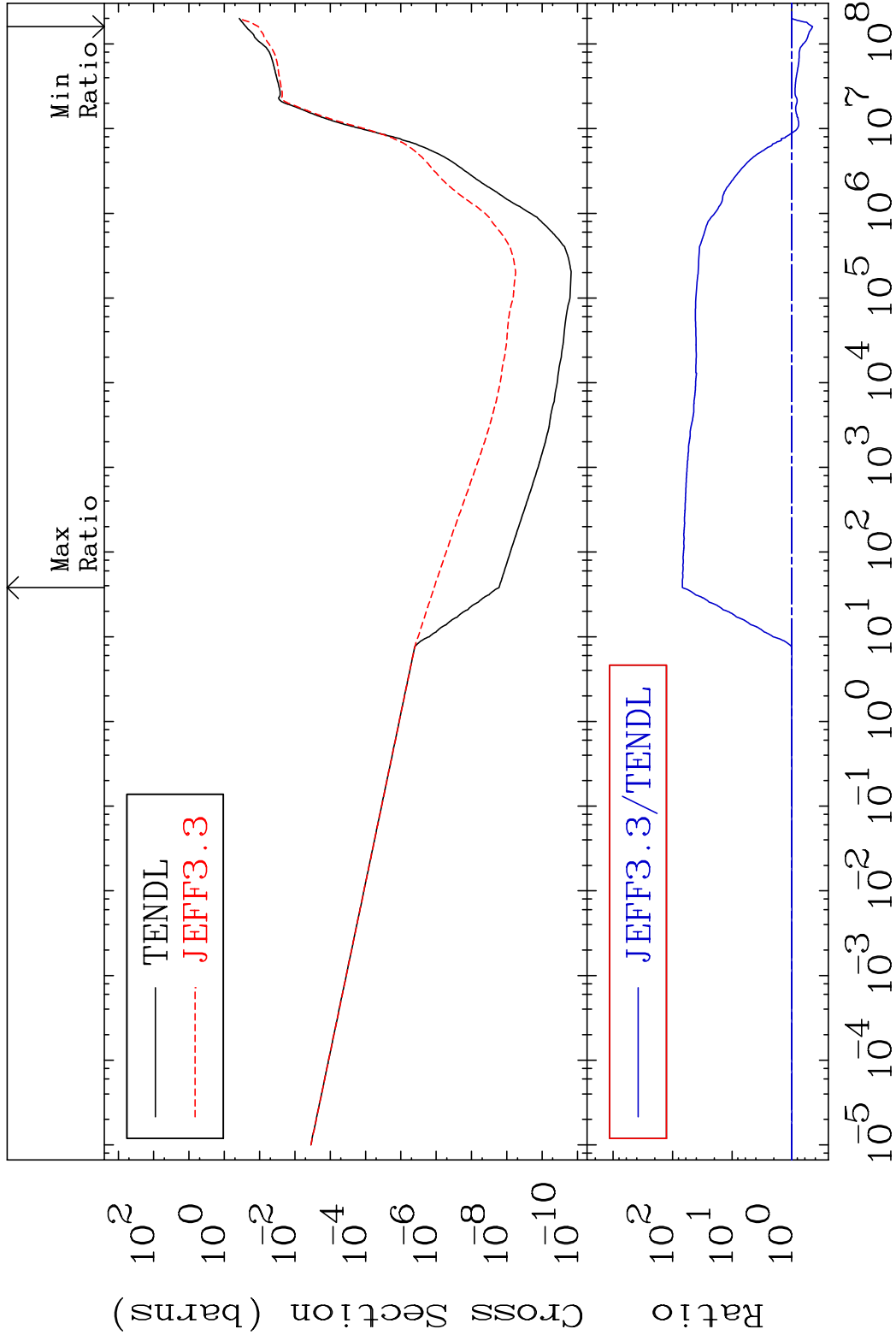
68-Er-166

MAT 6837

He-4 Production

68-Er-166

Cross Section -55.47 To 6770. %



68

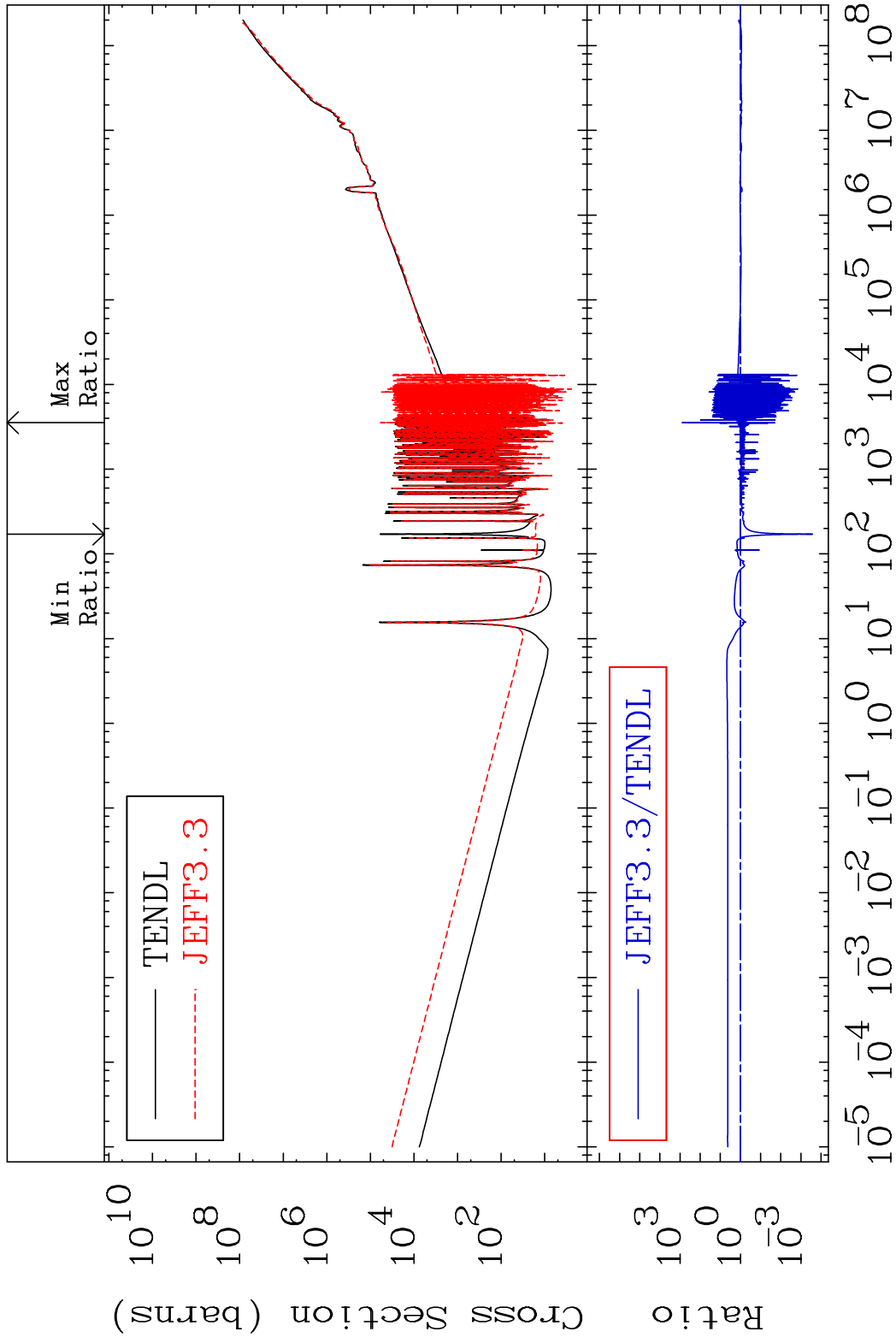
Incident Energy (eV)

68-Er-166

MAT 6837

Kerma total (eV-barns) 68-Er-166

Cross Section -99.97 To 9999. %



69

Incident Energy (eV)

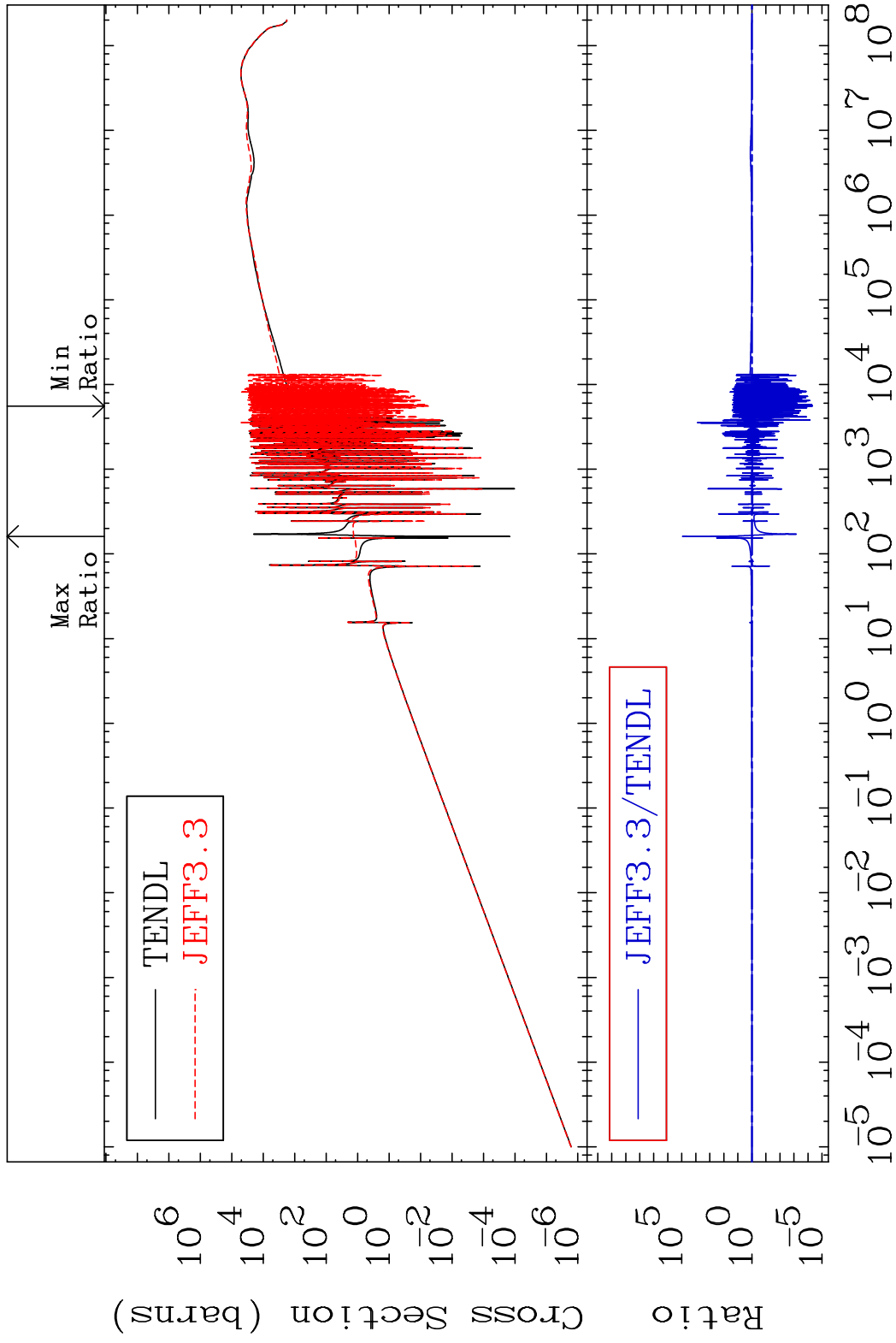
68-Er-166

MAT 6837

Kerma elastic

68-Er-166

Cross Section -100.0 To 9999. %

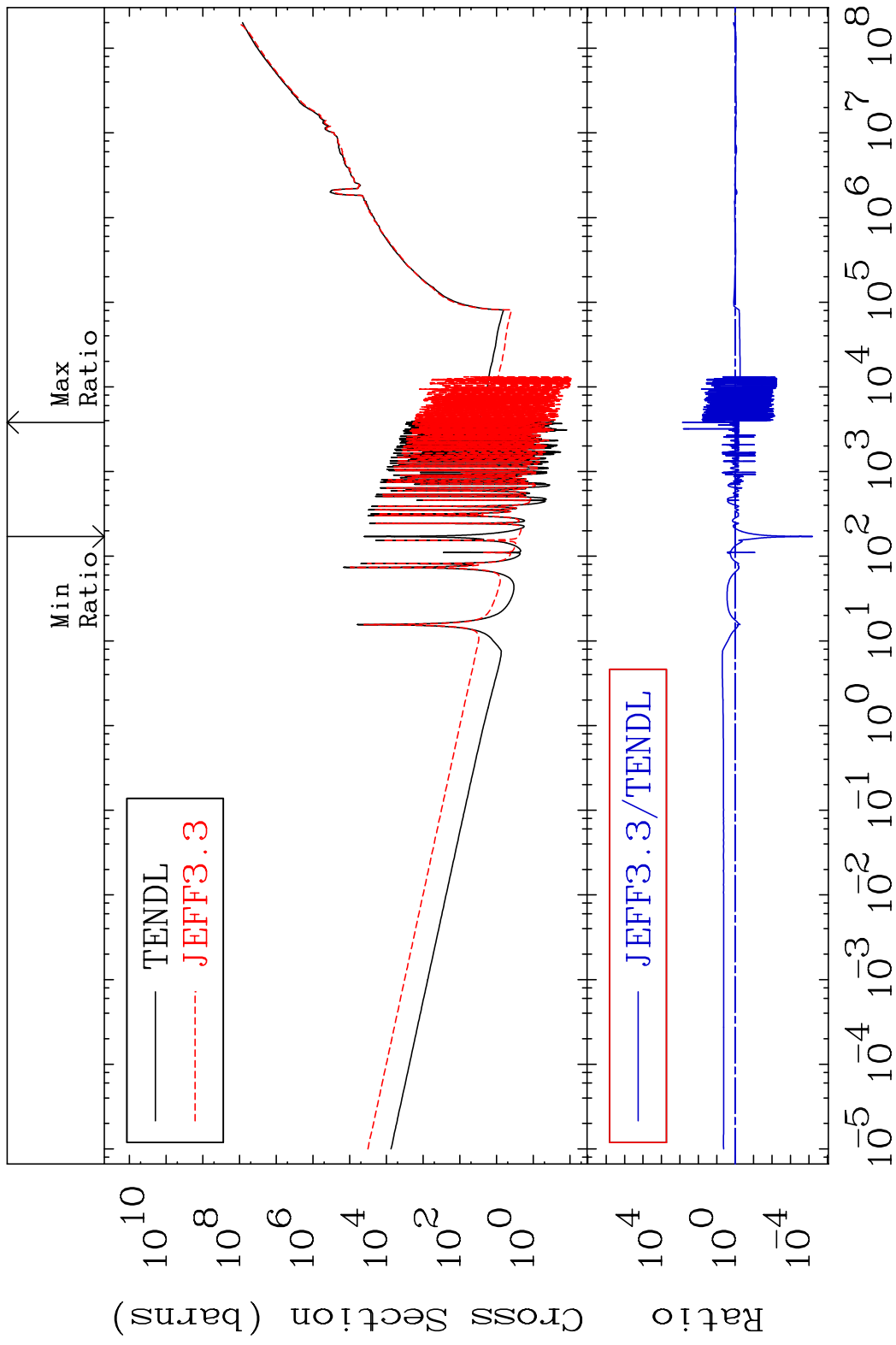


70

Incident Energy (eV)

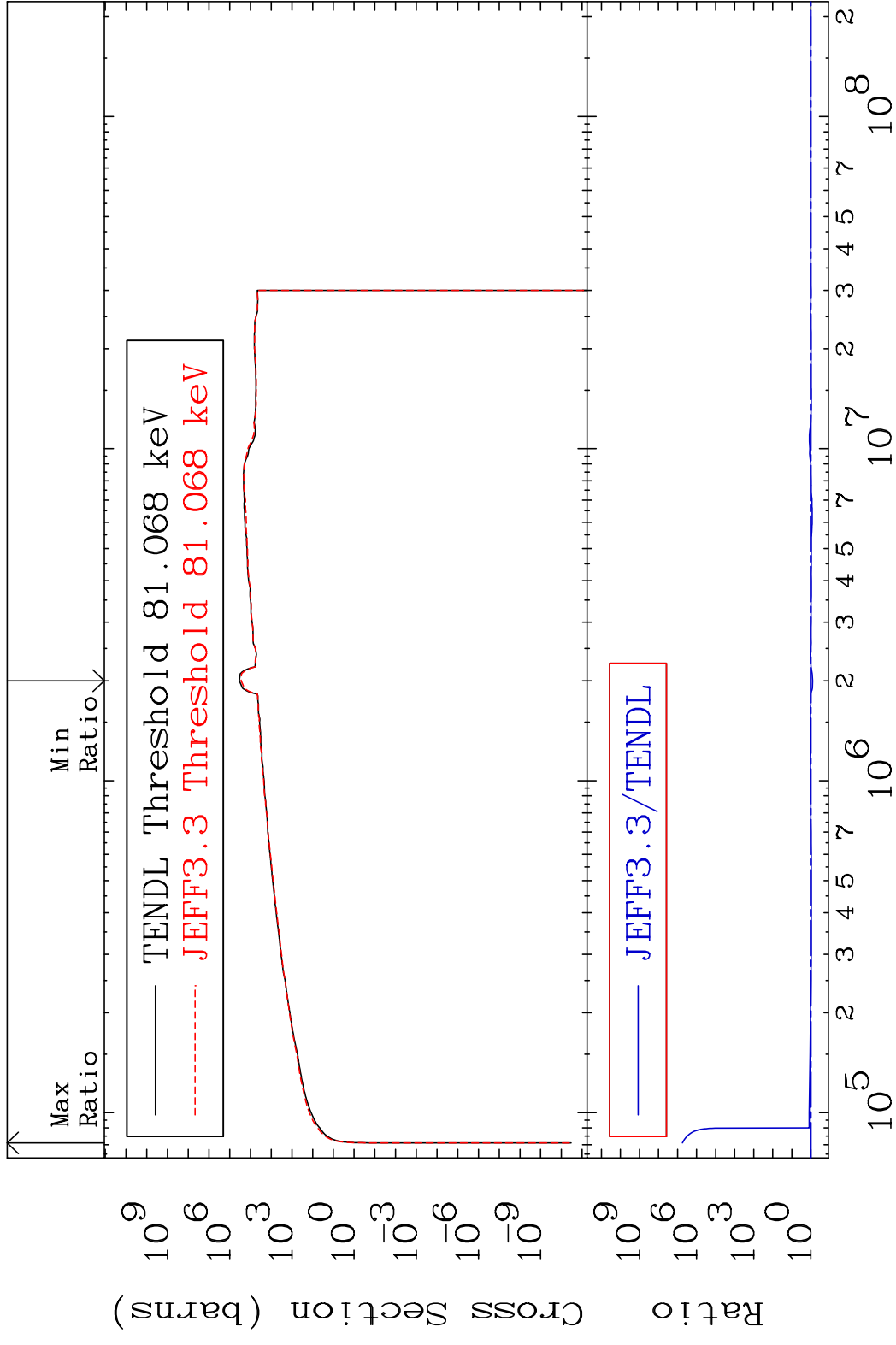
68-Er-166

MAT 6837 Kerma non-elastic (all but mt2) 68-Er-166  
 Cross Section -99.99 To 9999. %

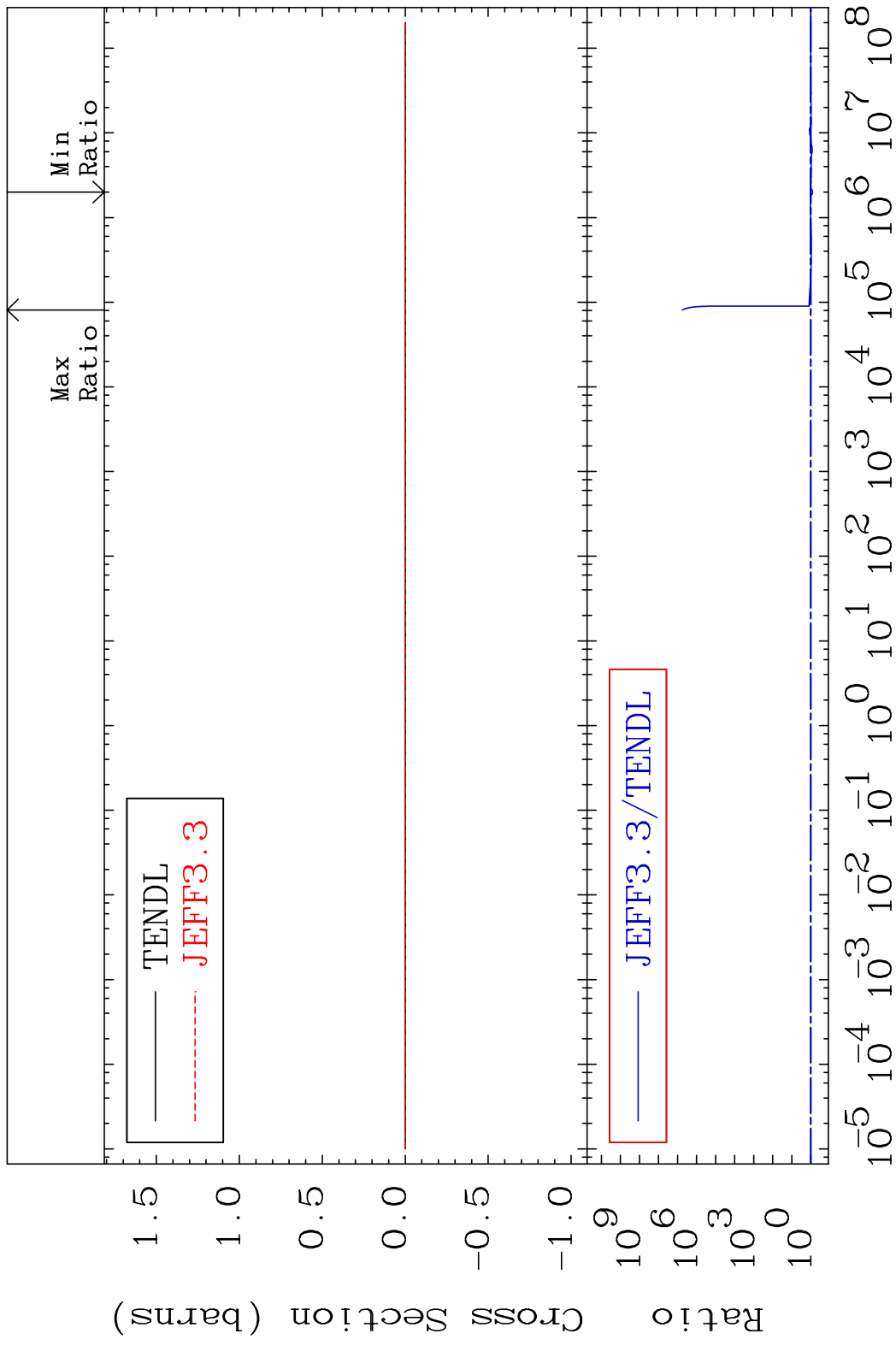




MAT 6837 Kerma inelastic (mt51-91) 68-Er-166  
 Cross Section -18.84 To 9999. %



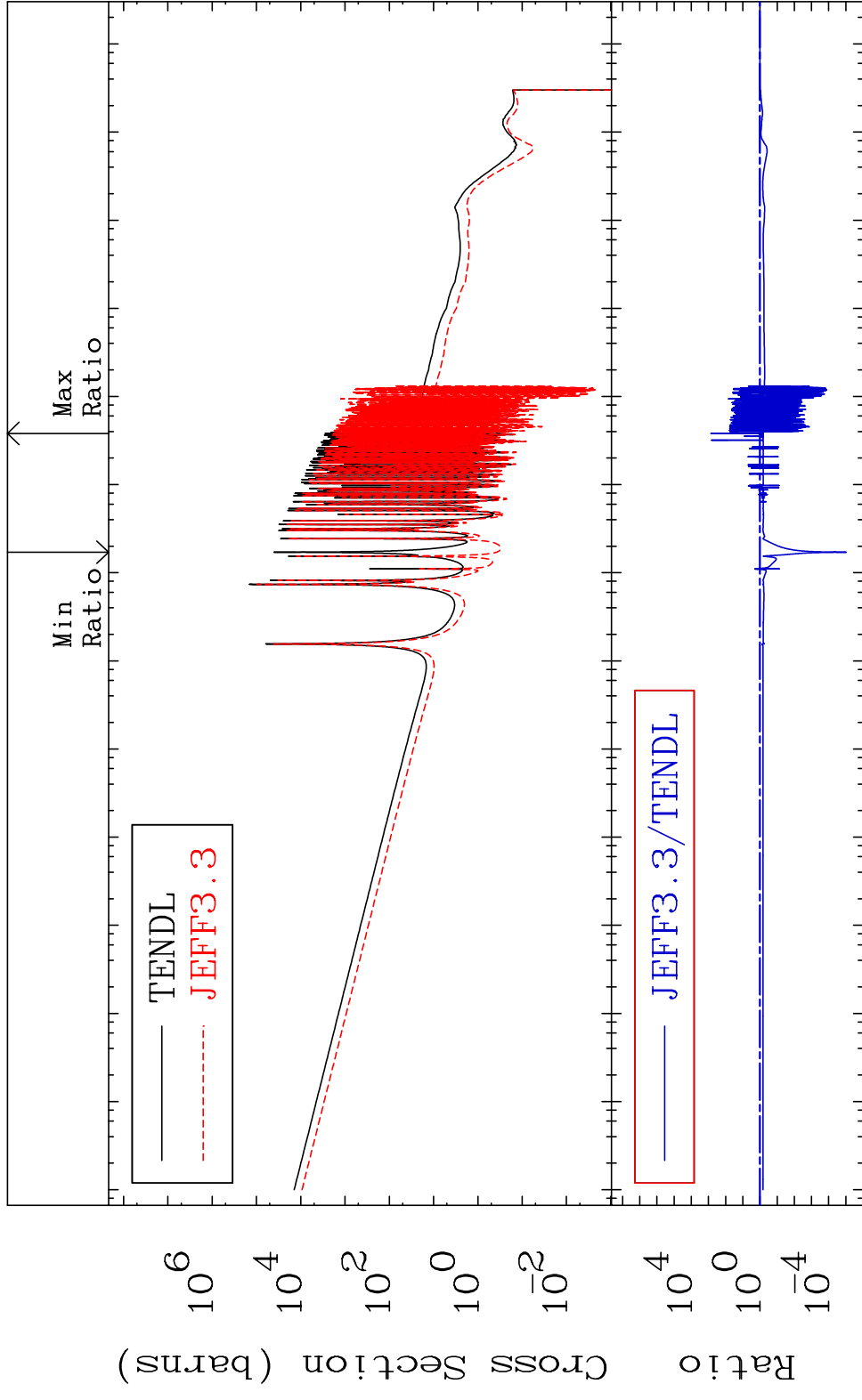
MAT 6837 Kerma fission (mt18 or mt19-20-21-38) 68-Er-166  
 Cross Section -18.84 To 9999. %



MAT 6837

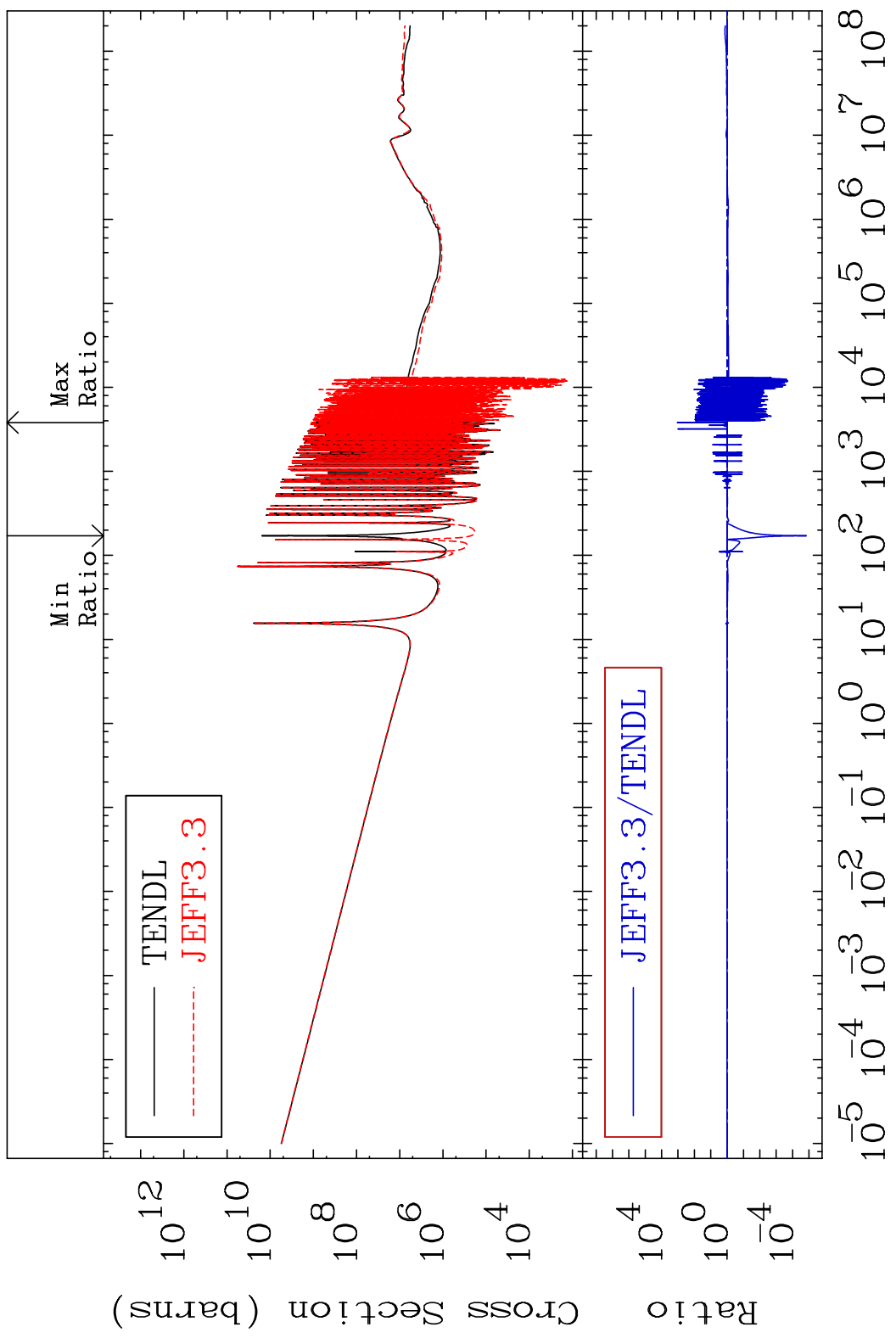
Kerma capture (mt102) 68-Er-166

Cross Section -100.0 To 9999. %



MAT 6837

Total photon (eV-barns) 68-Er-166  
Cross Section -100.0 To 9999. %

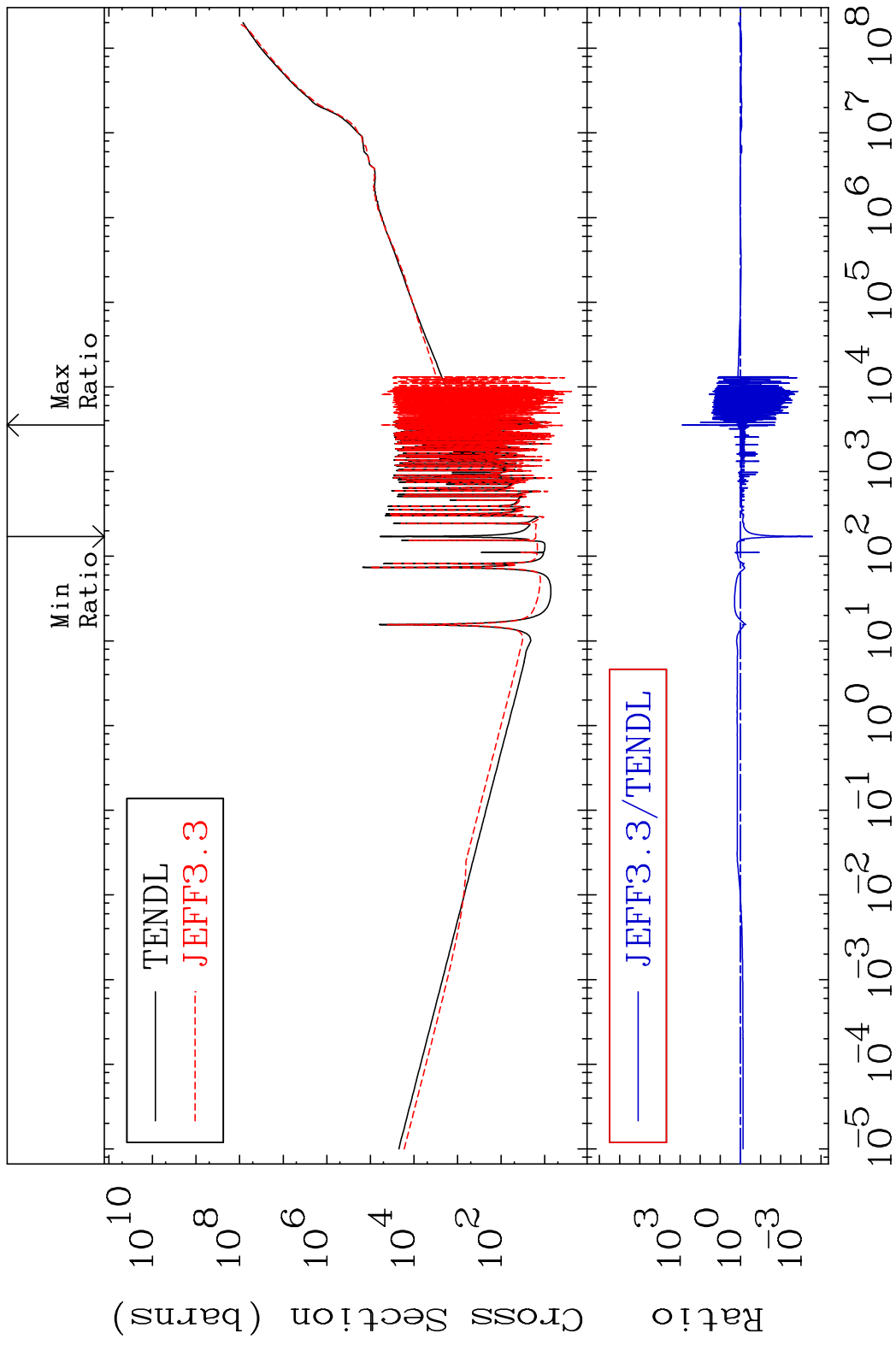


75

Incident Energy (eV)

68-Er-166

MAT 6837 Total kinematic kerma (high limit) 68-Er-166  
 Cross Section -99.97 To 9999. %

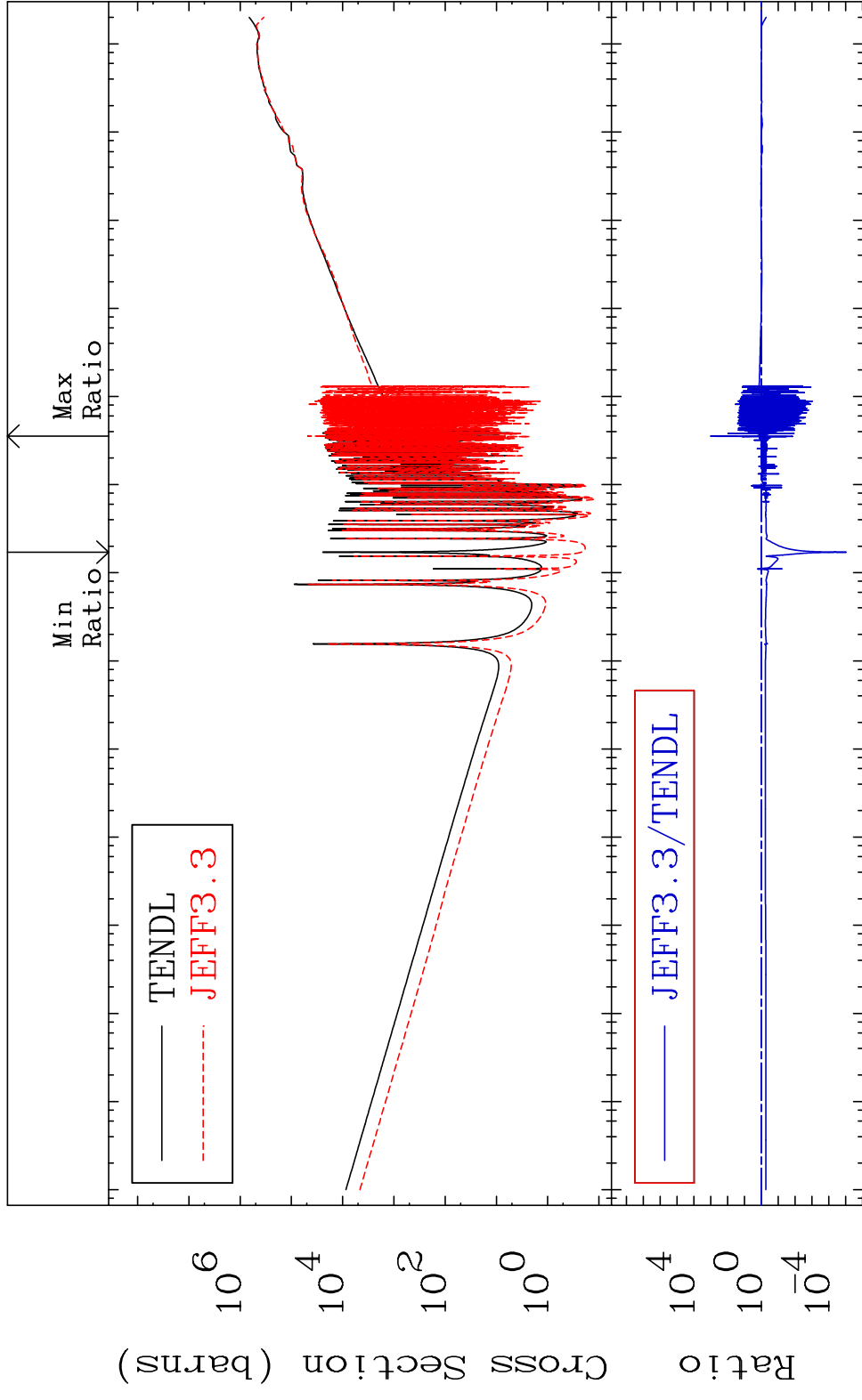


MAT 6837

Dpa total (eV-barns)

68-Er-166

Cross Section -100.0 To 9999. %



Ratio

77

Incident Energy (eV)

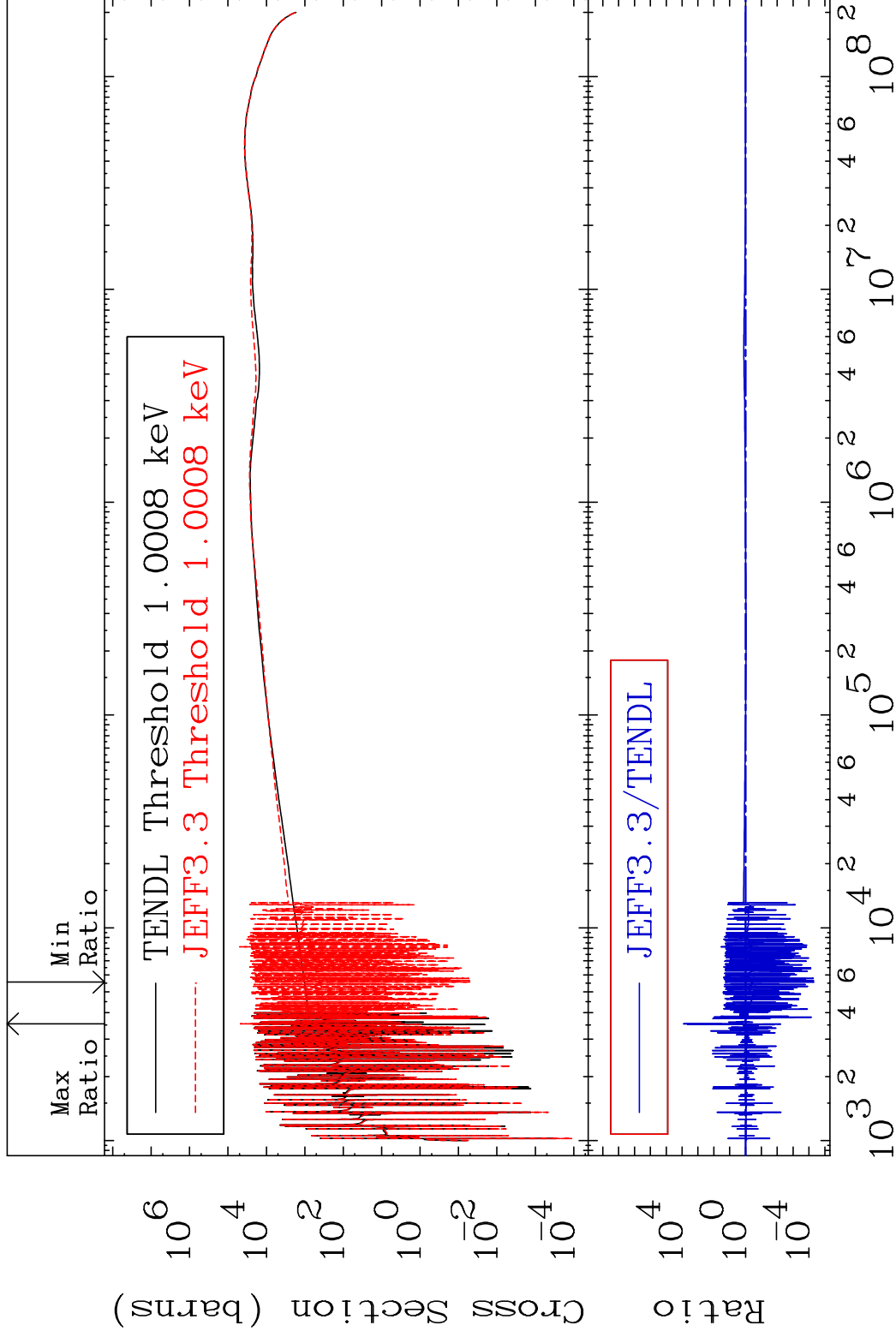
68-Er-166

MAT 6837

Dpa elastic (mt2)

68-Er-166

Cross Section -100.0 To 9999. %

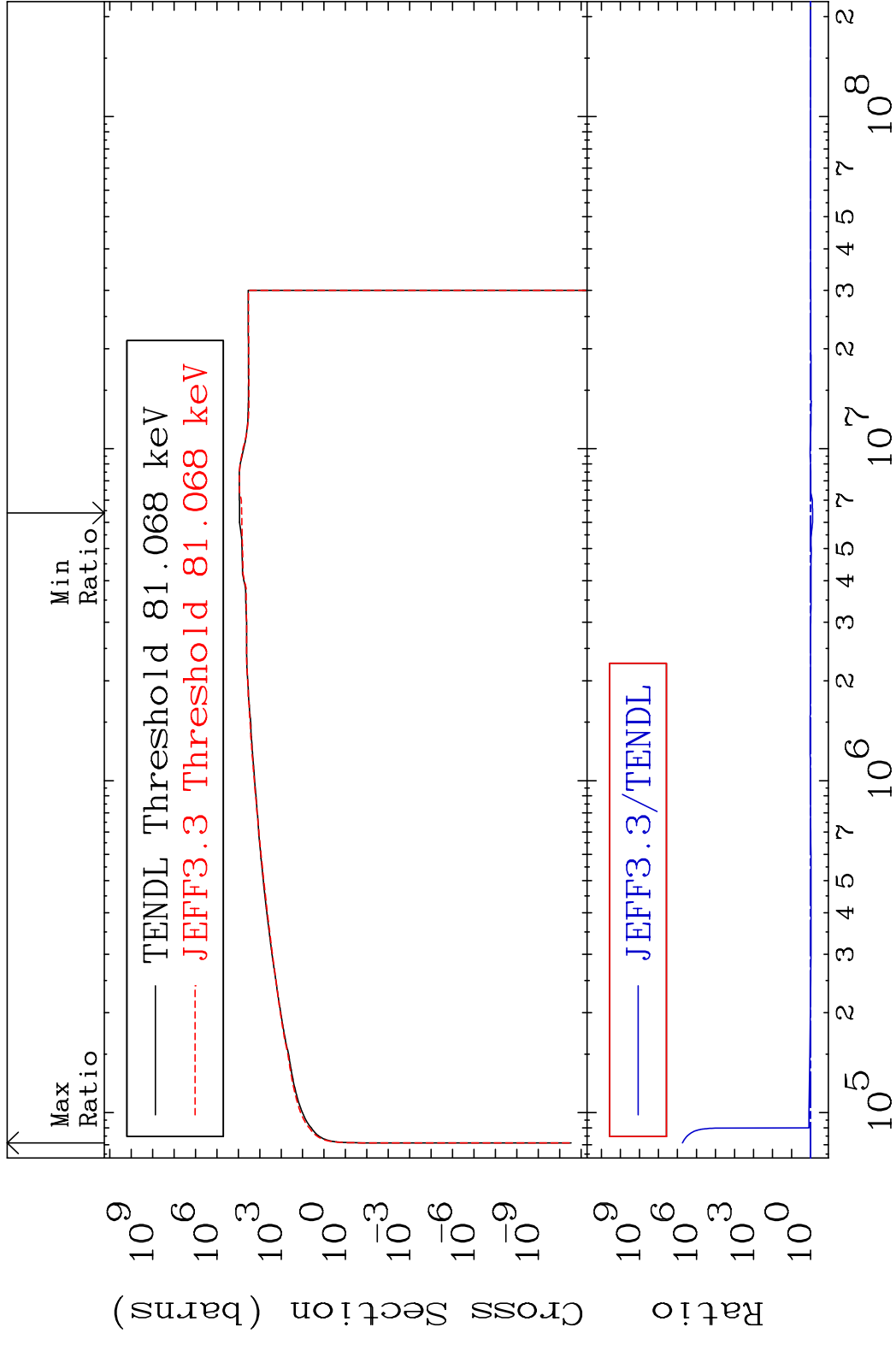


78

Incident Energy (eV)

68-Er-166

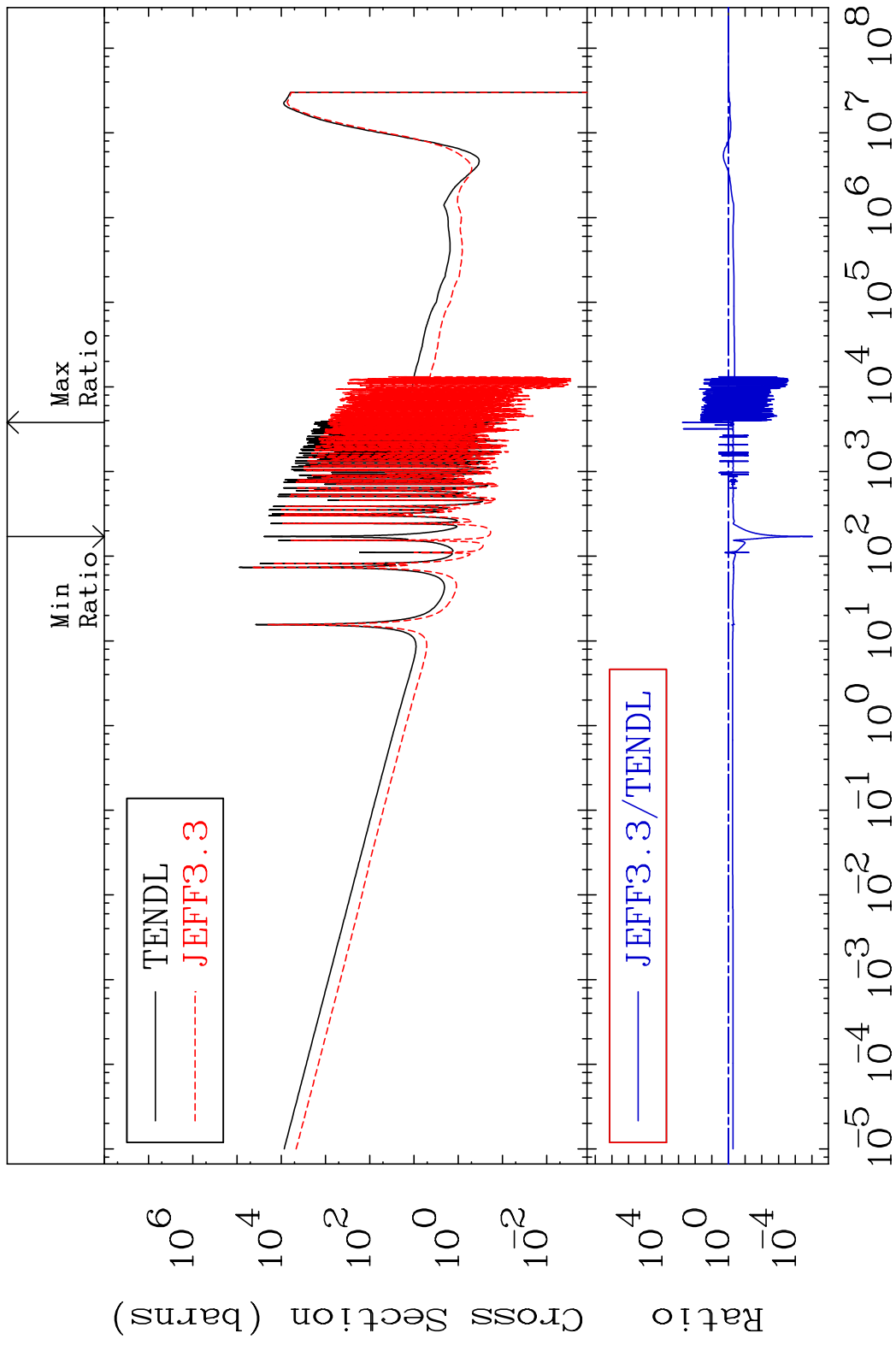
MAT 6837 Dpa inelastic (mt51-91) 68-Er-166  
 Cross Section -20.92 To 9999. %

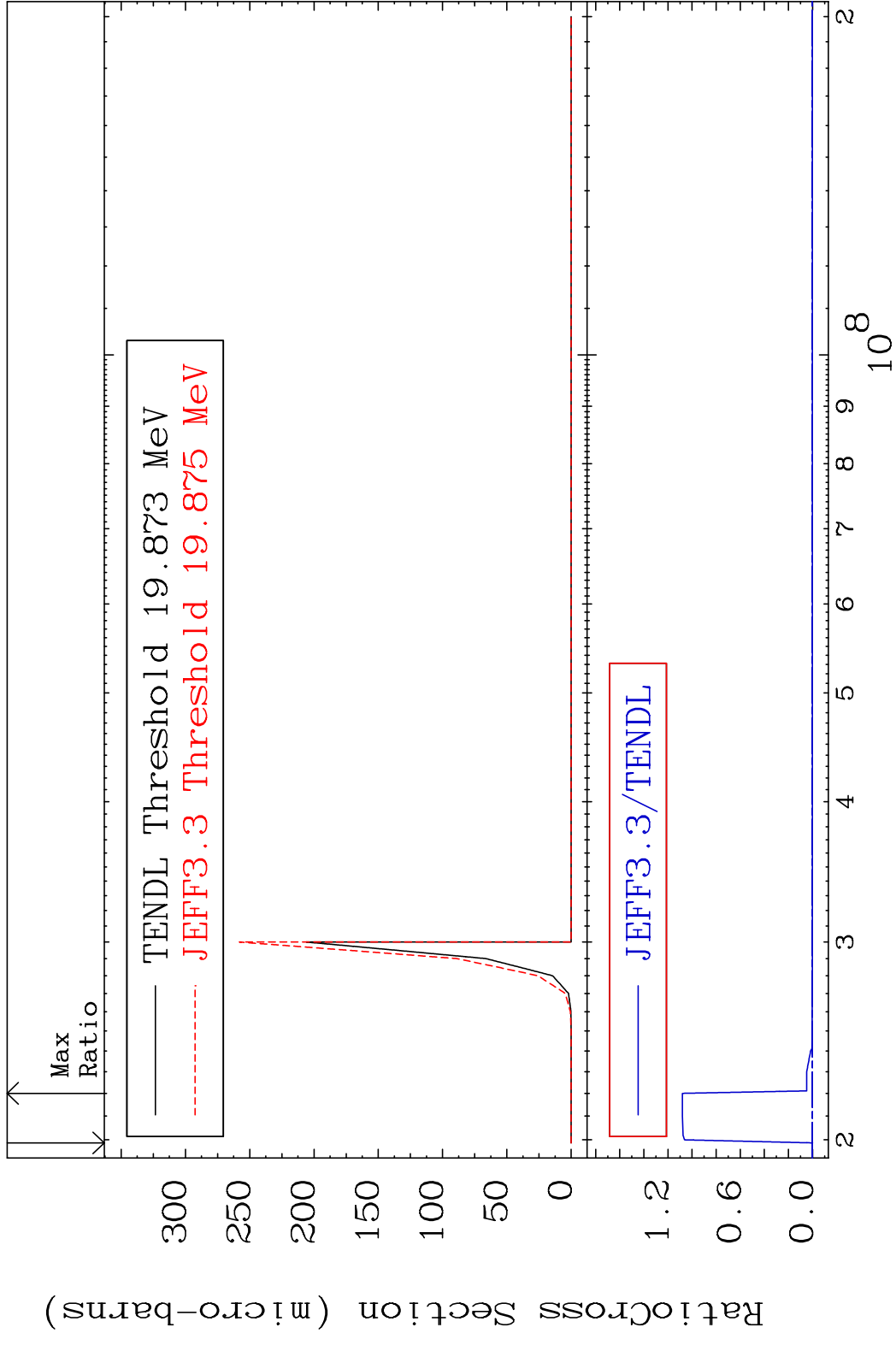


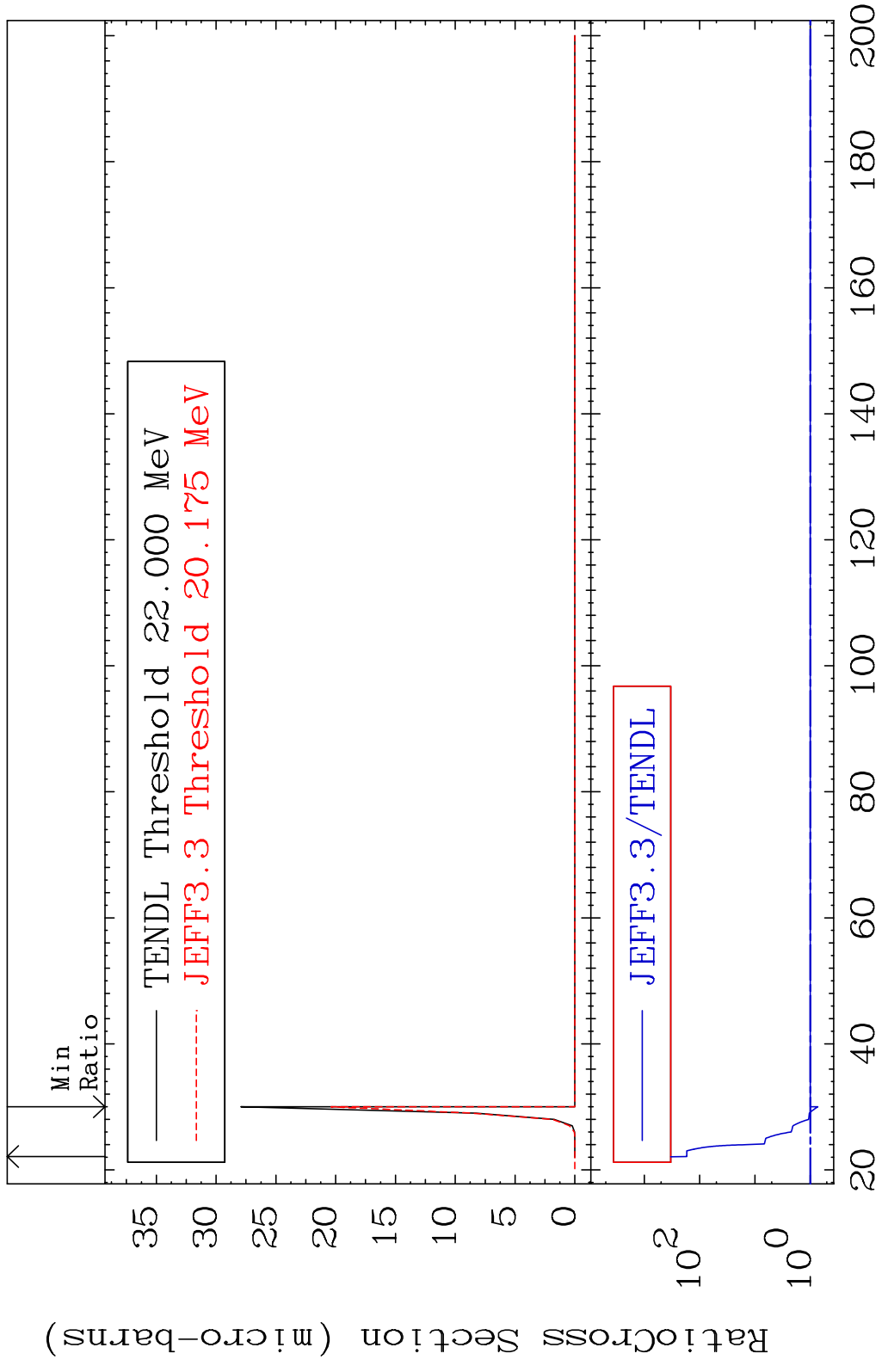
79 Incident Energy (eV) 68-Er-166



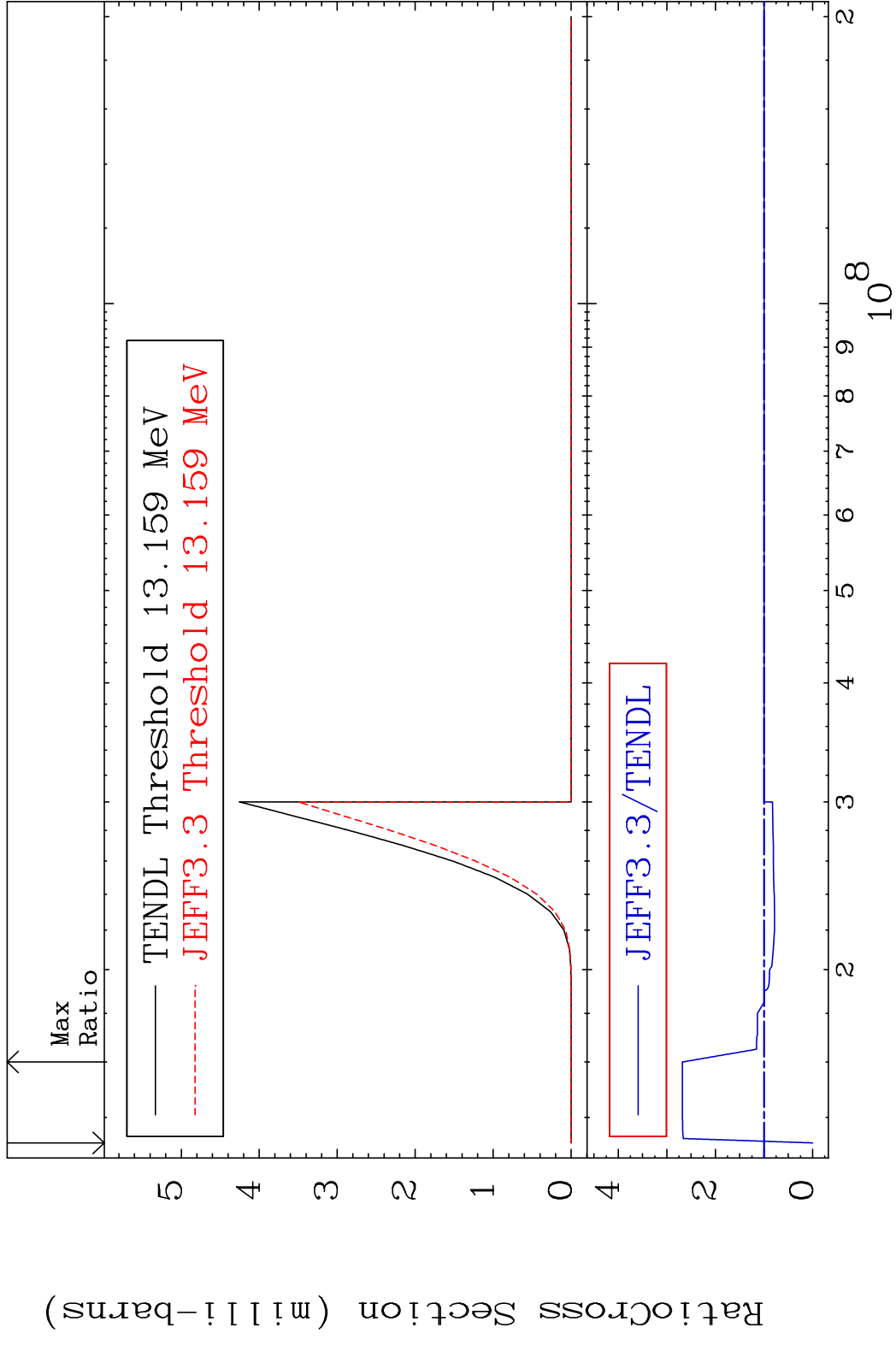
MAT 6837 Dpa disappearance (mt102 -120) 68-Er-166  
 Cross Section -100.0 To 9999. %

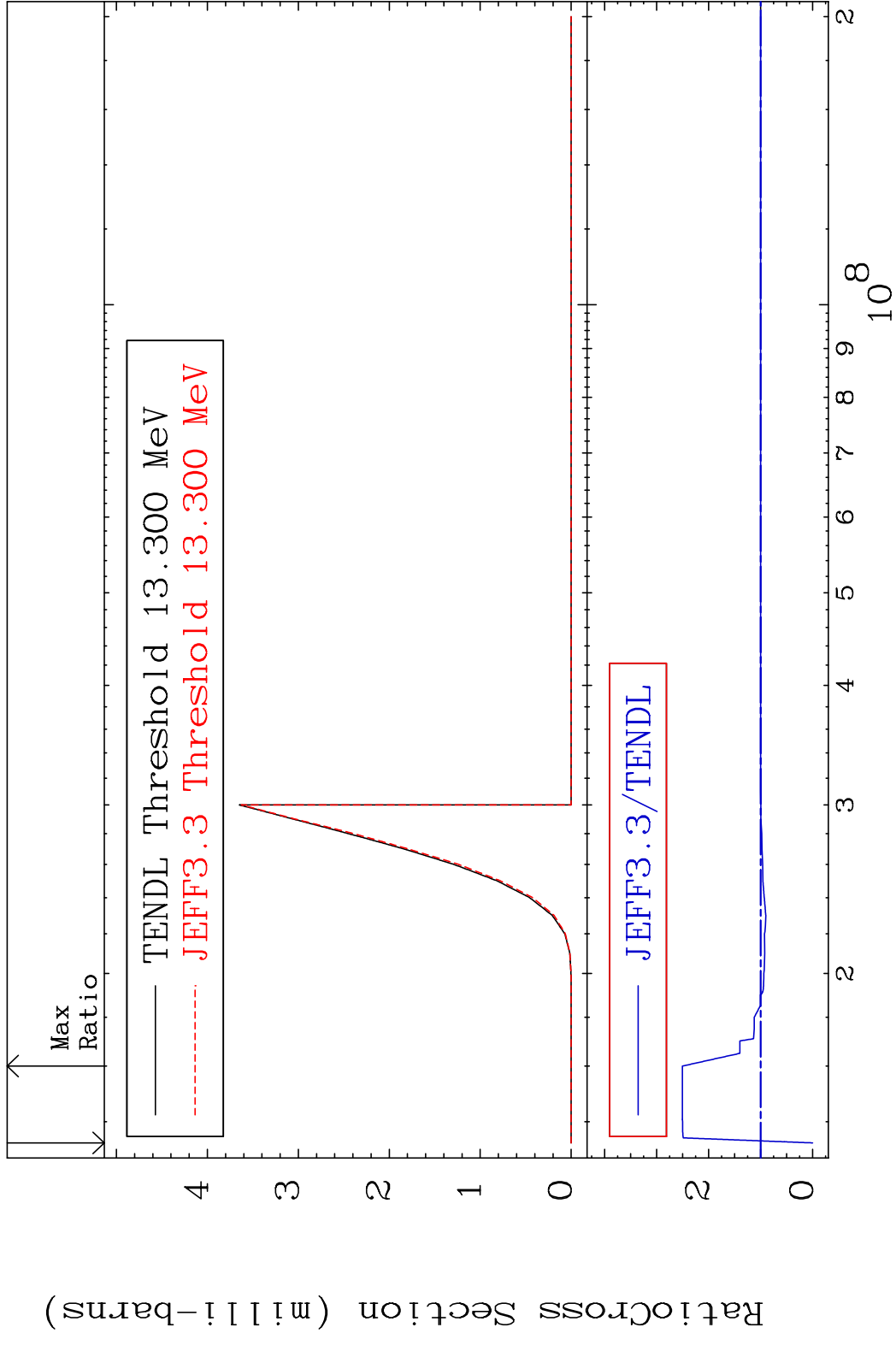




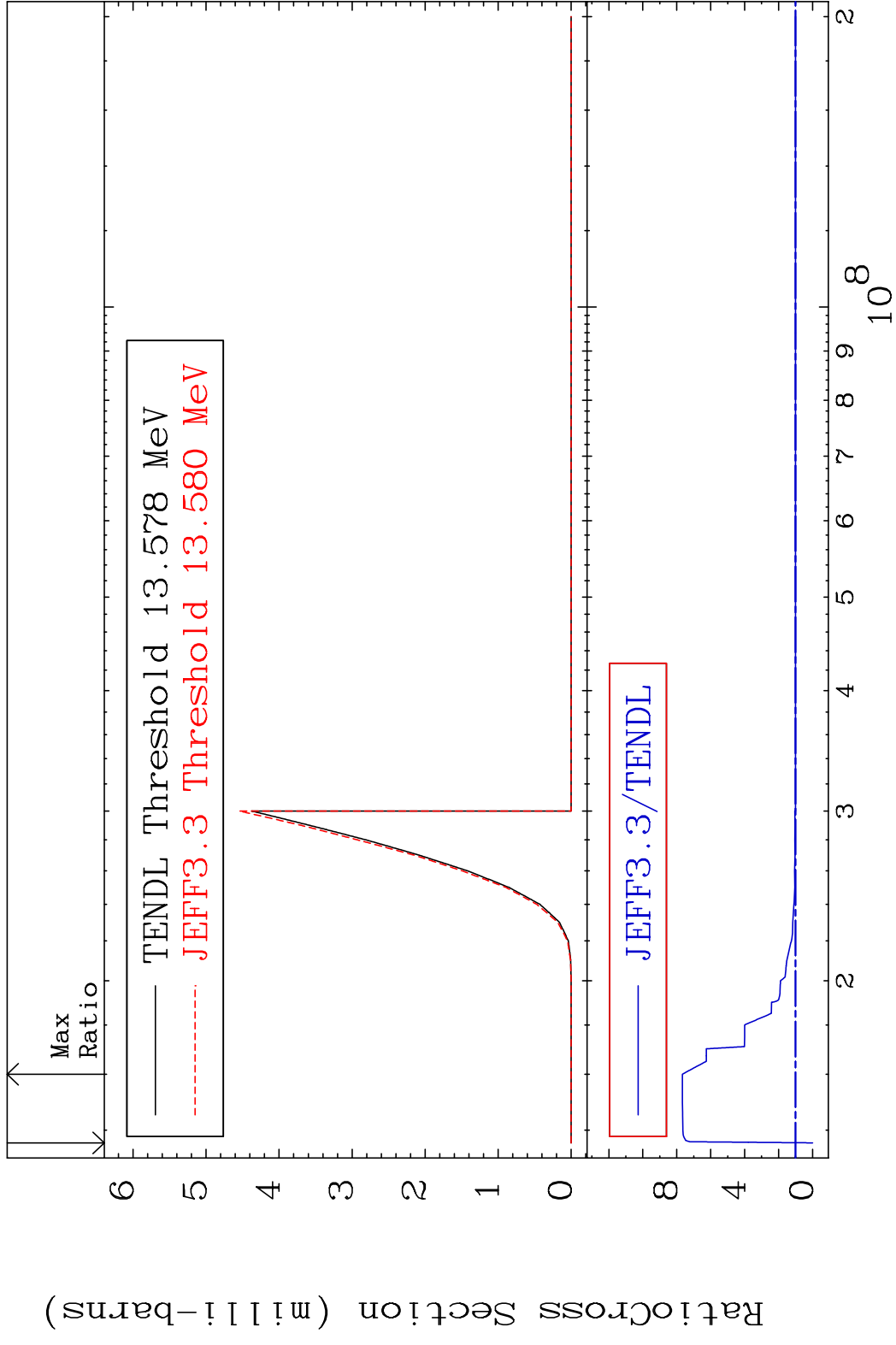


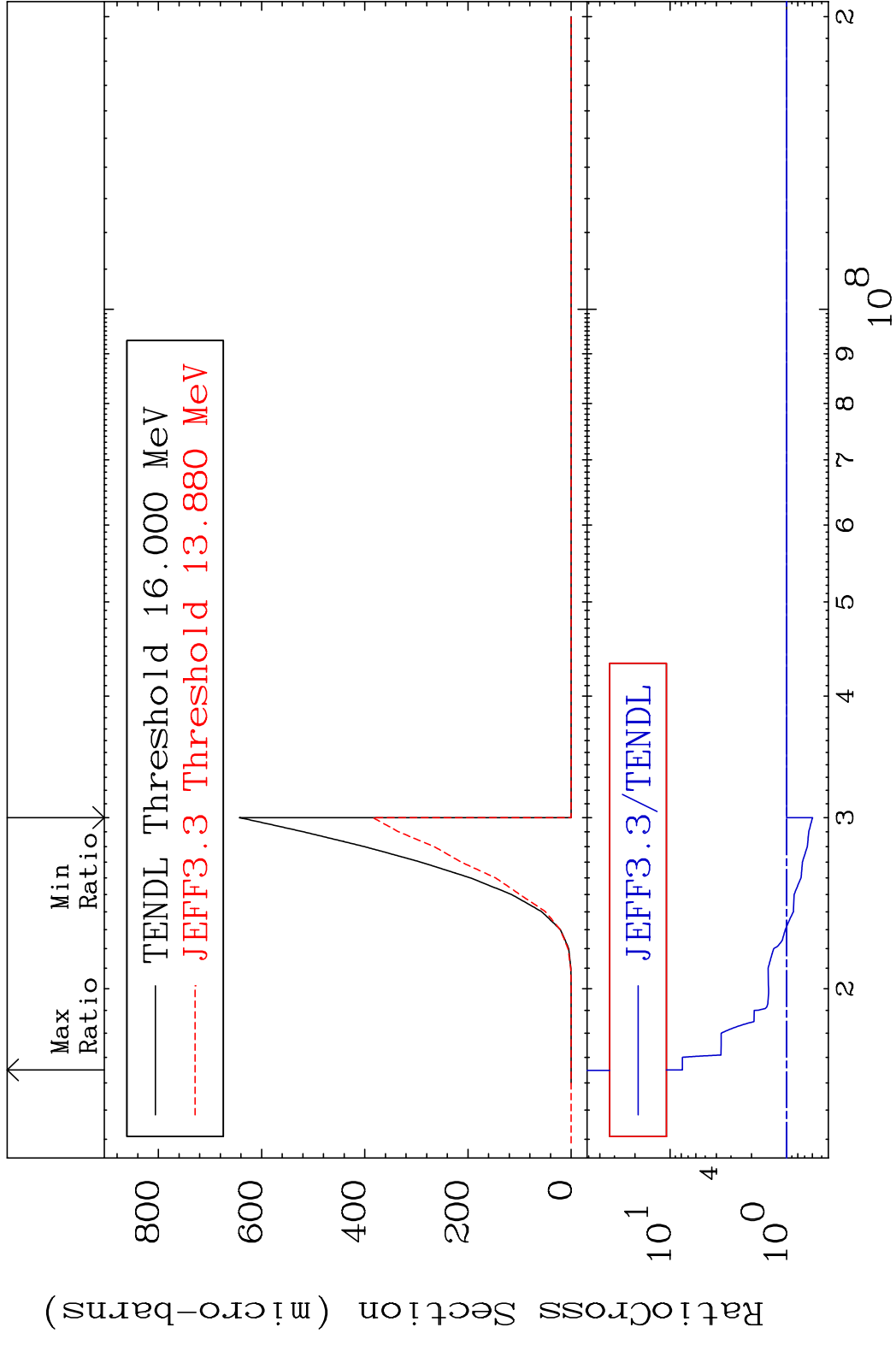
MAT 6837 (n, n') d:67-Ho-164g 68-Er-166  
 Radionuclide Production Cross Section 168.0 %

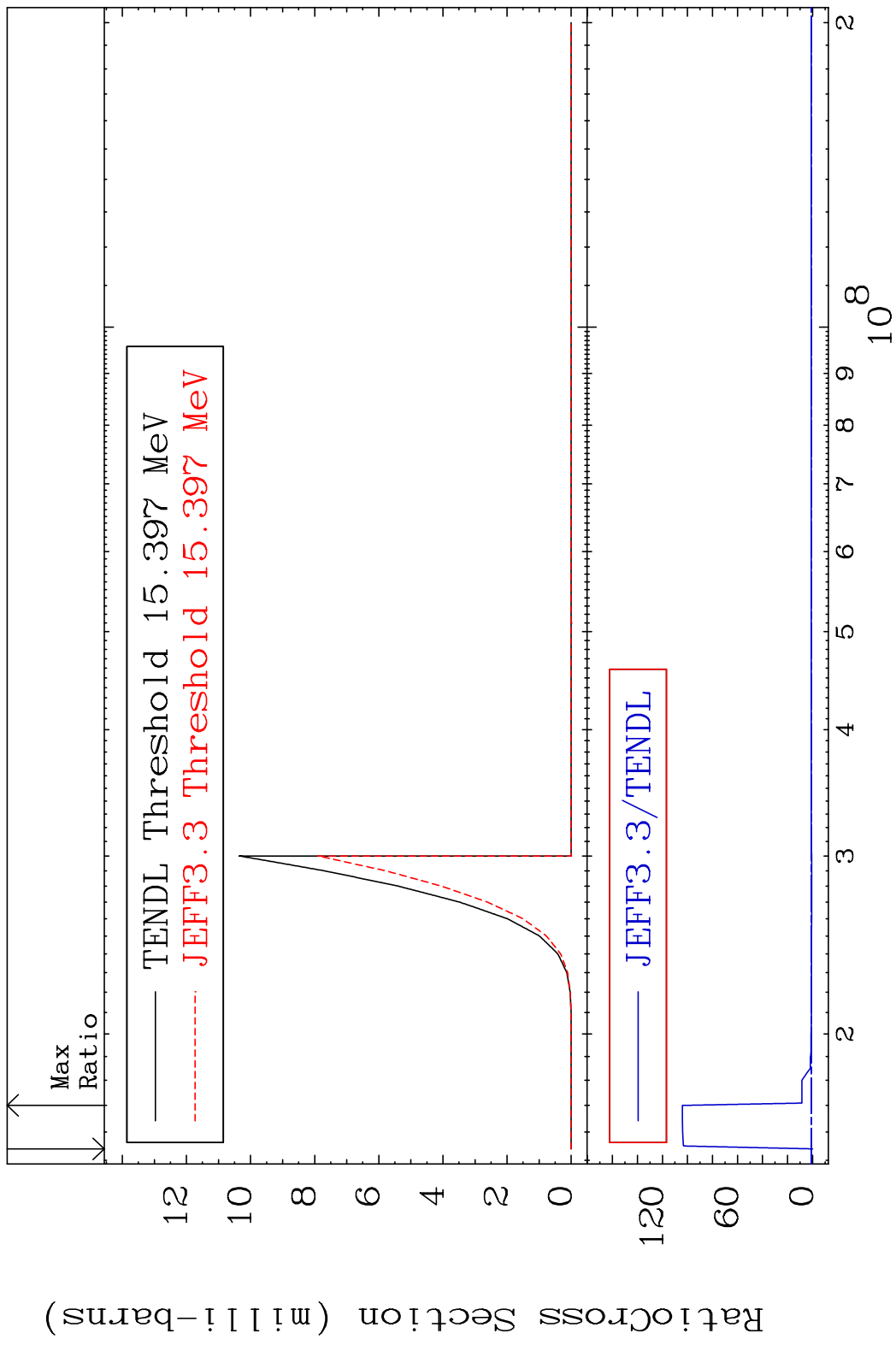




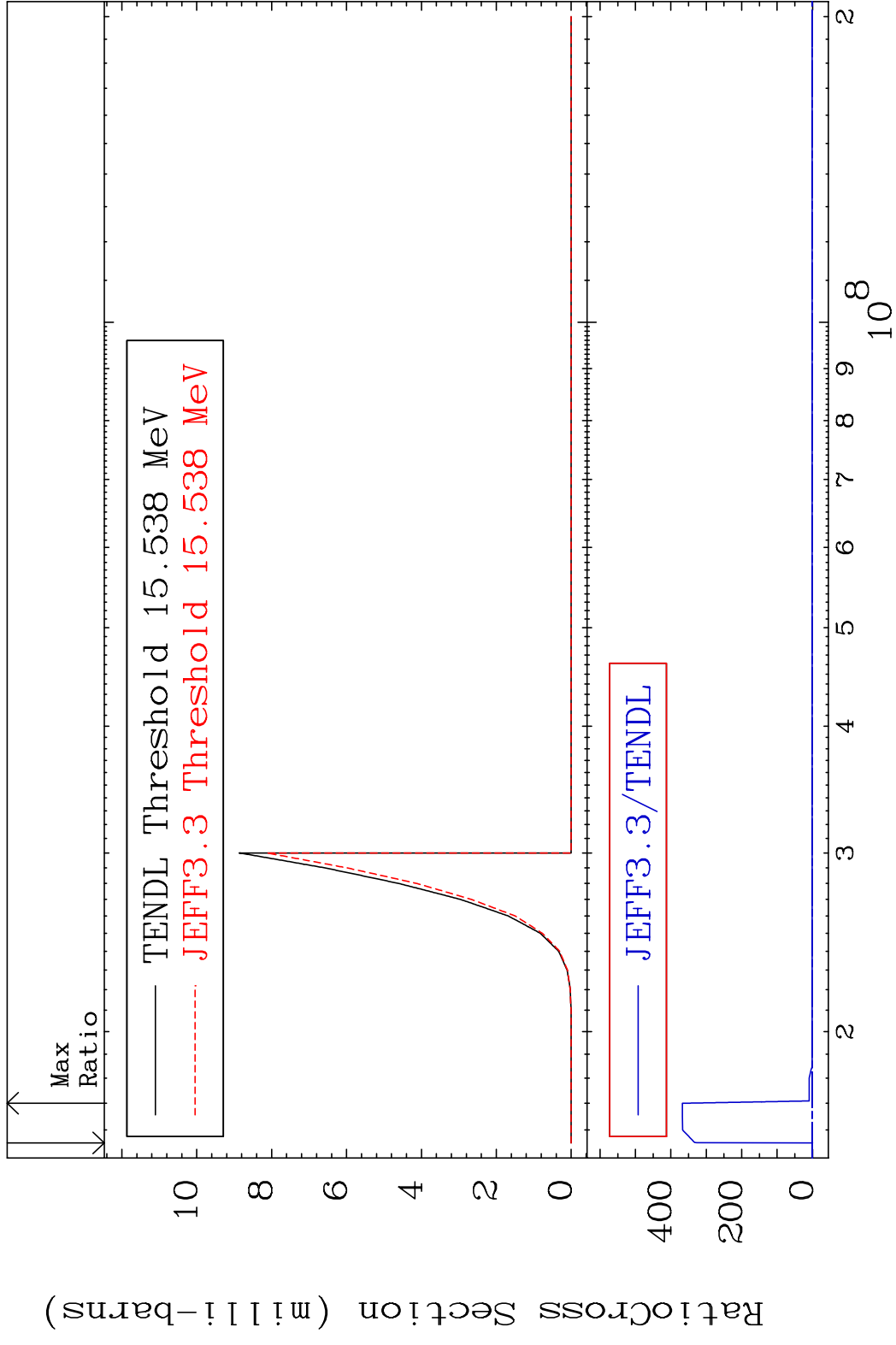
MAT 6837 (n, n') t:67-Ho-163g 68-Er-166  
 Radionuclide Production Cross Section 1800 d to 667.0 %

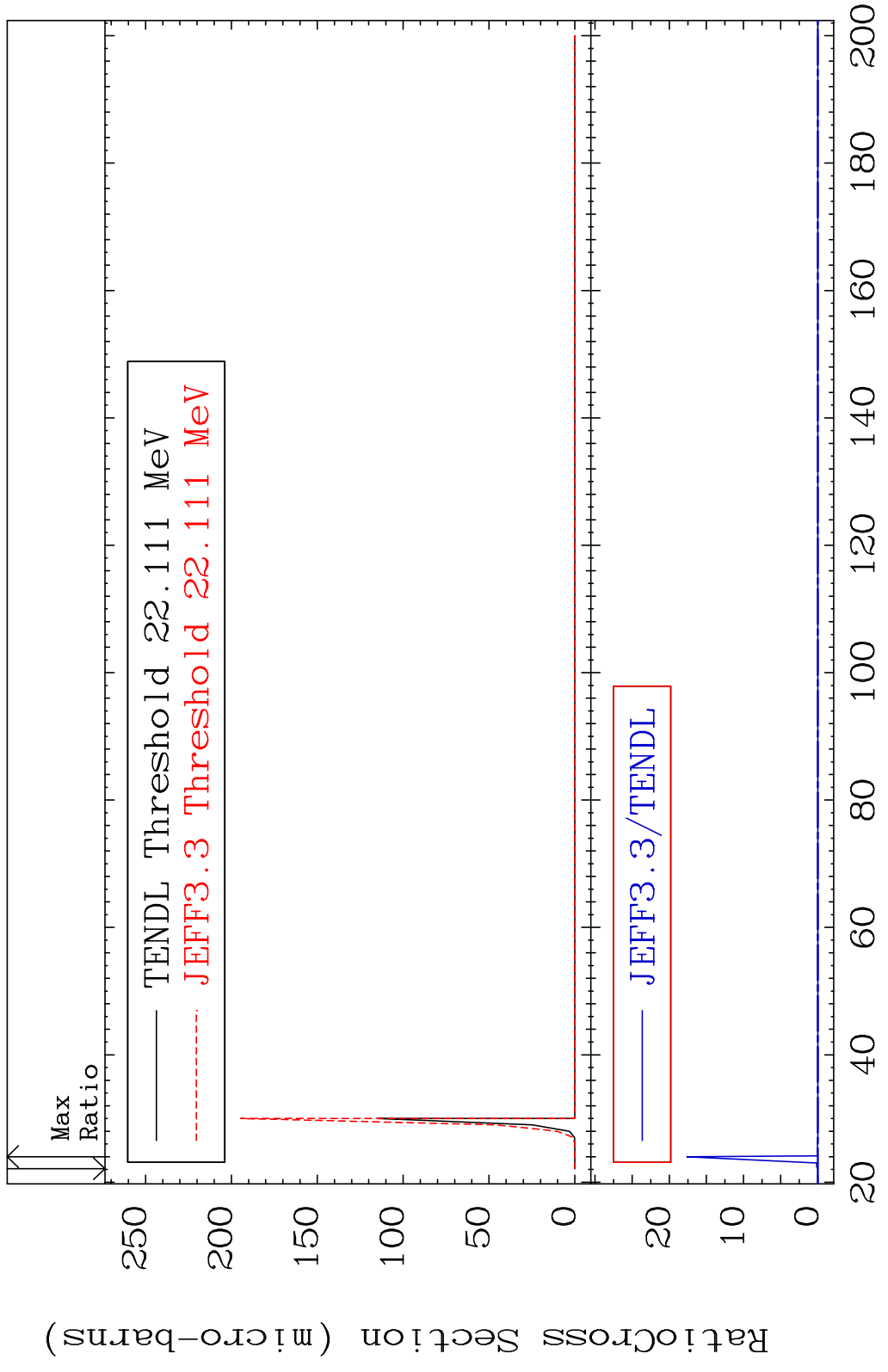


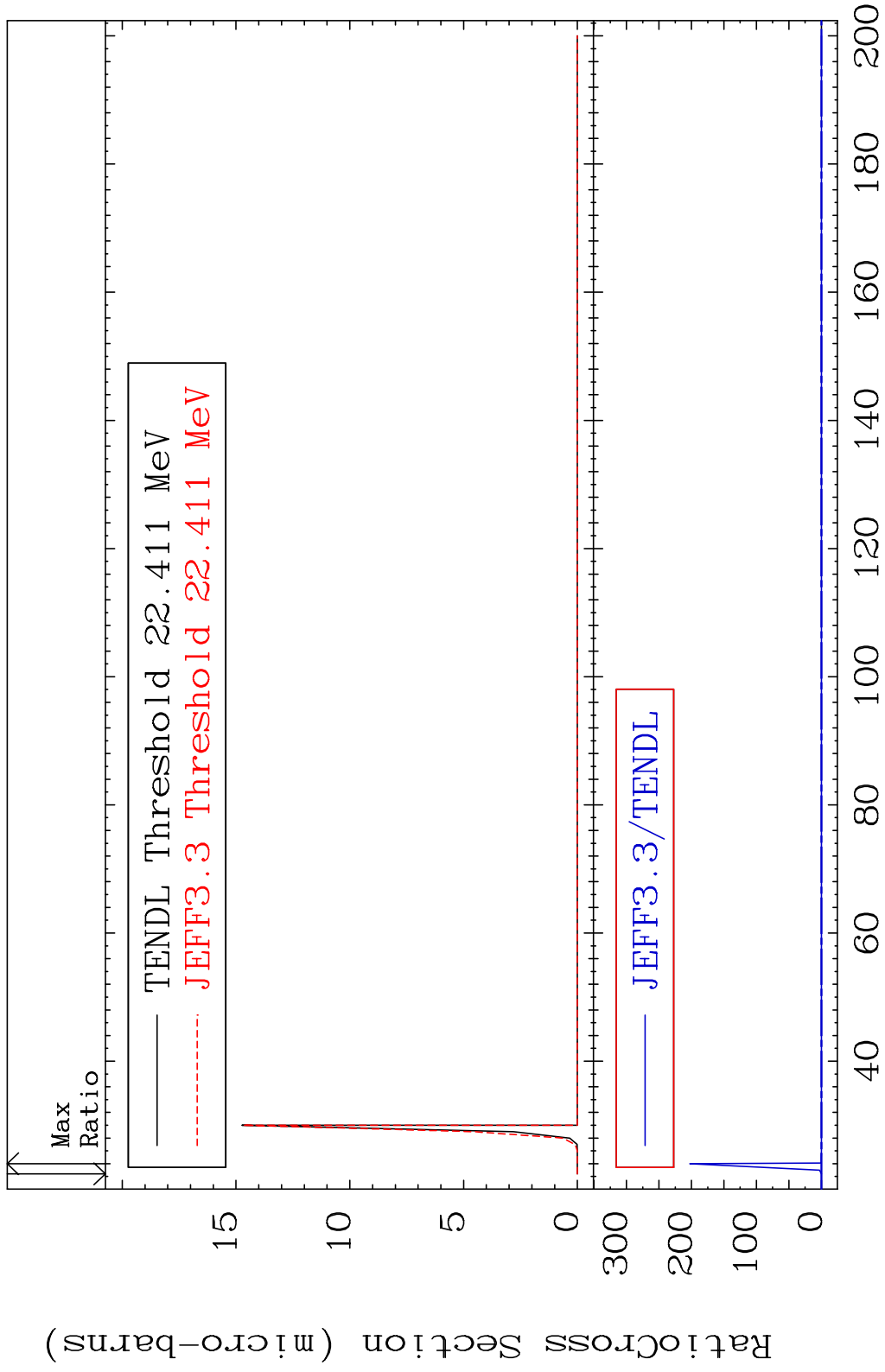


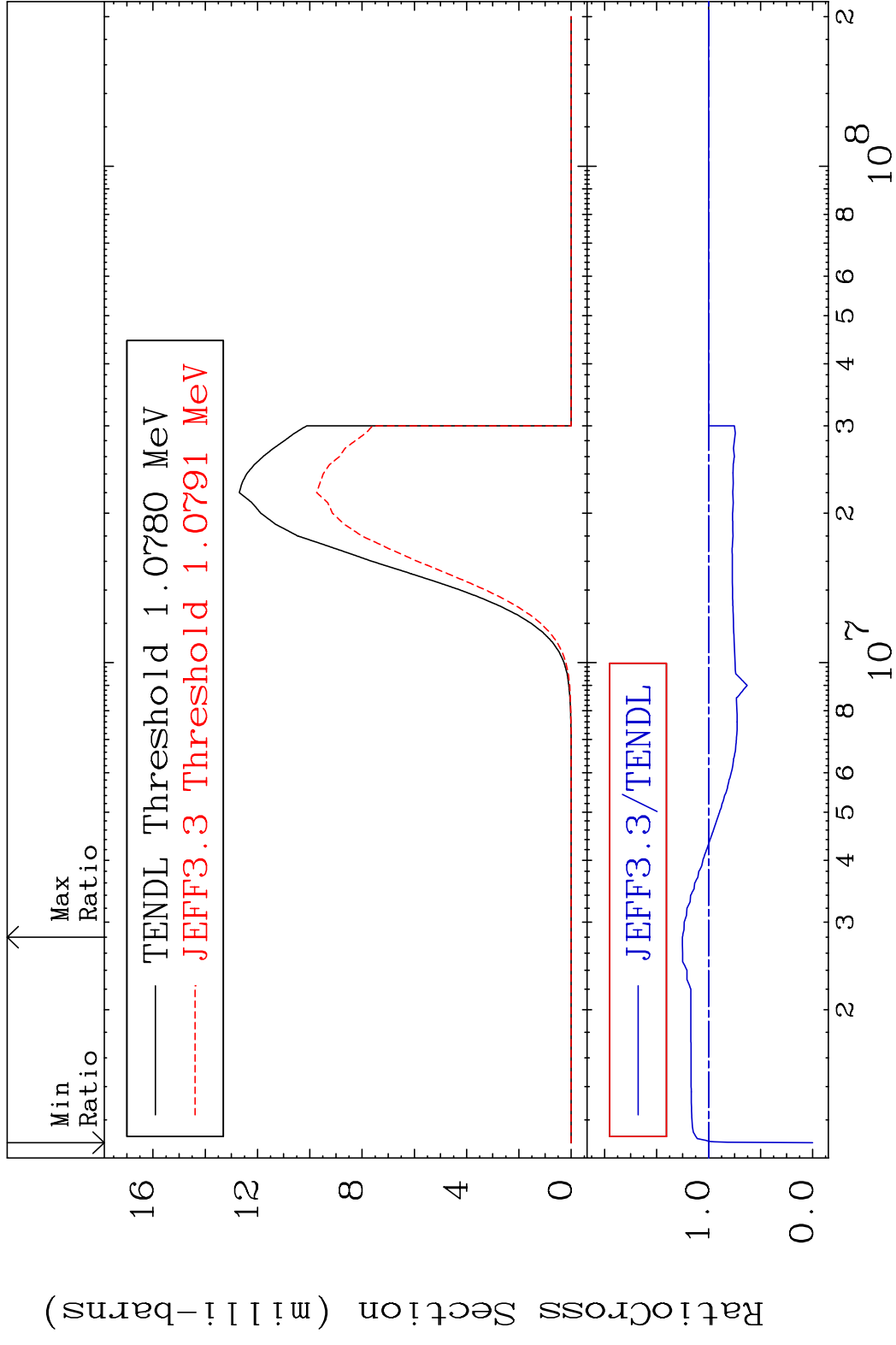


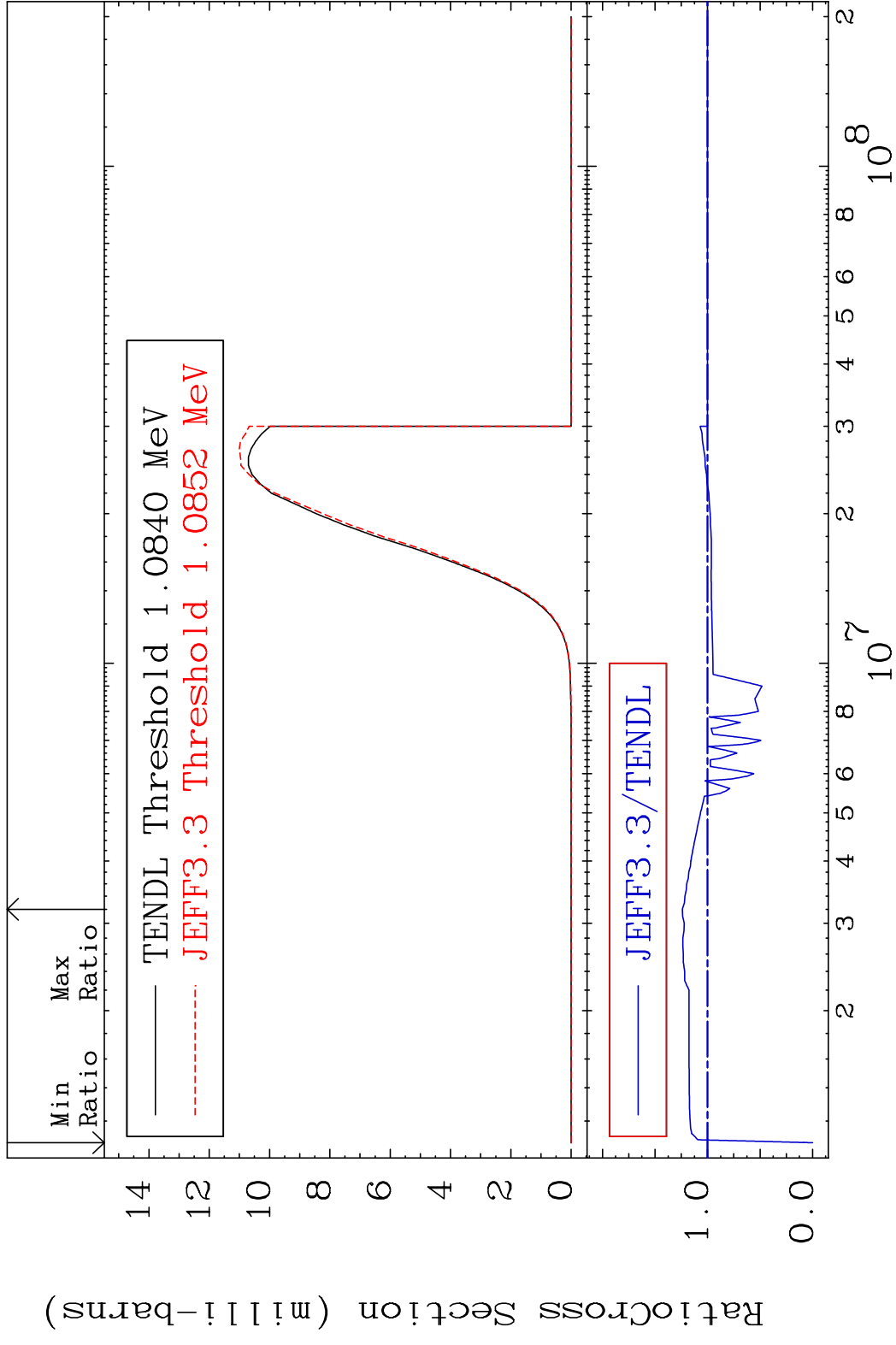




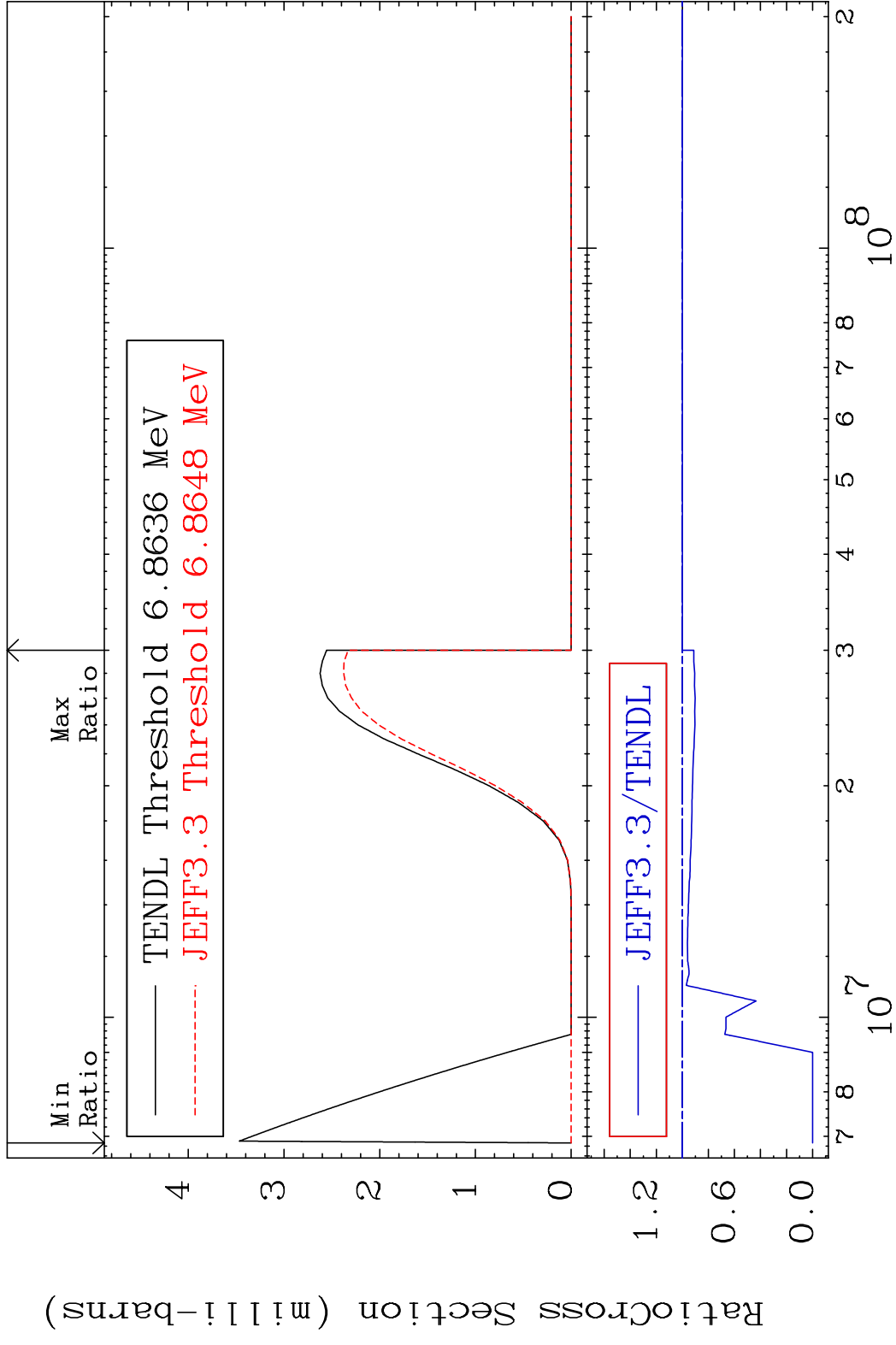


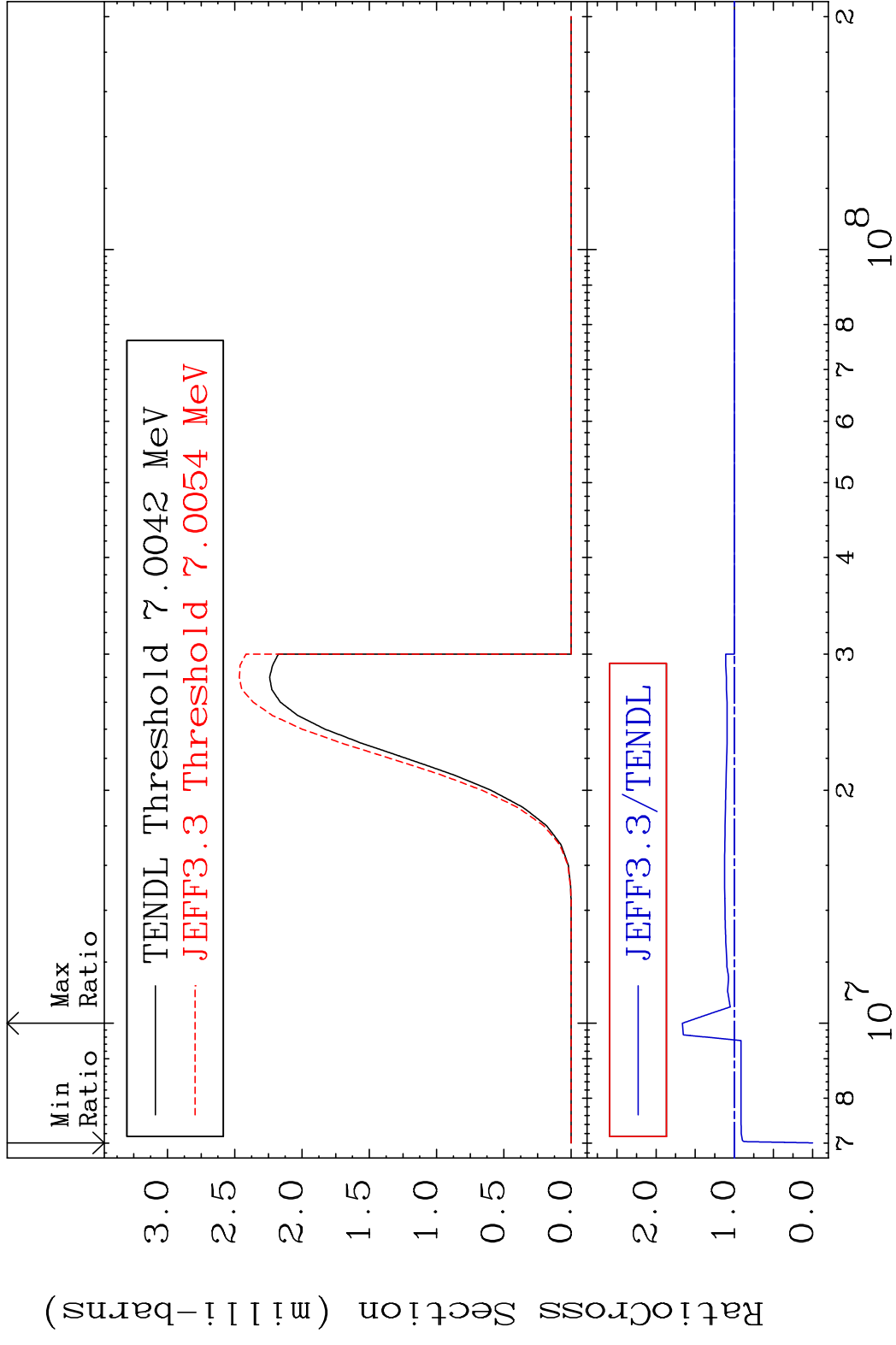






MAT 6837 (n, t):67-Ho-164g 68-Er-166  
 Radionuclide Production Cross Section 100.00 %  
 0.000 %





MAT 6837 (n,2p):66-Dy-165g 68-Er-166  
 Radionuclide Production Cross Section 180.01 dth 11.10 %

