

Program Complot  
(Version 2021-1)

by

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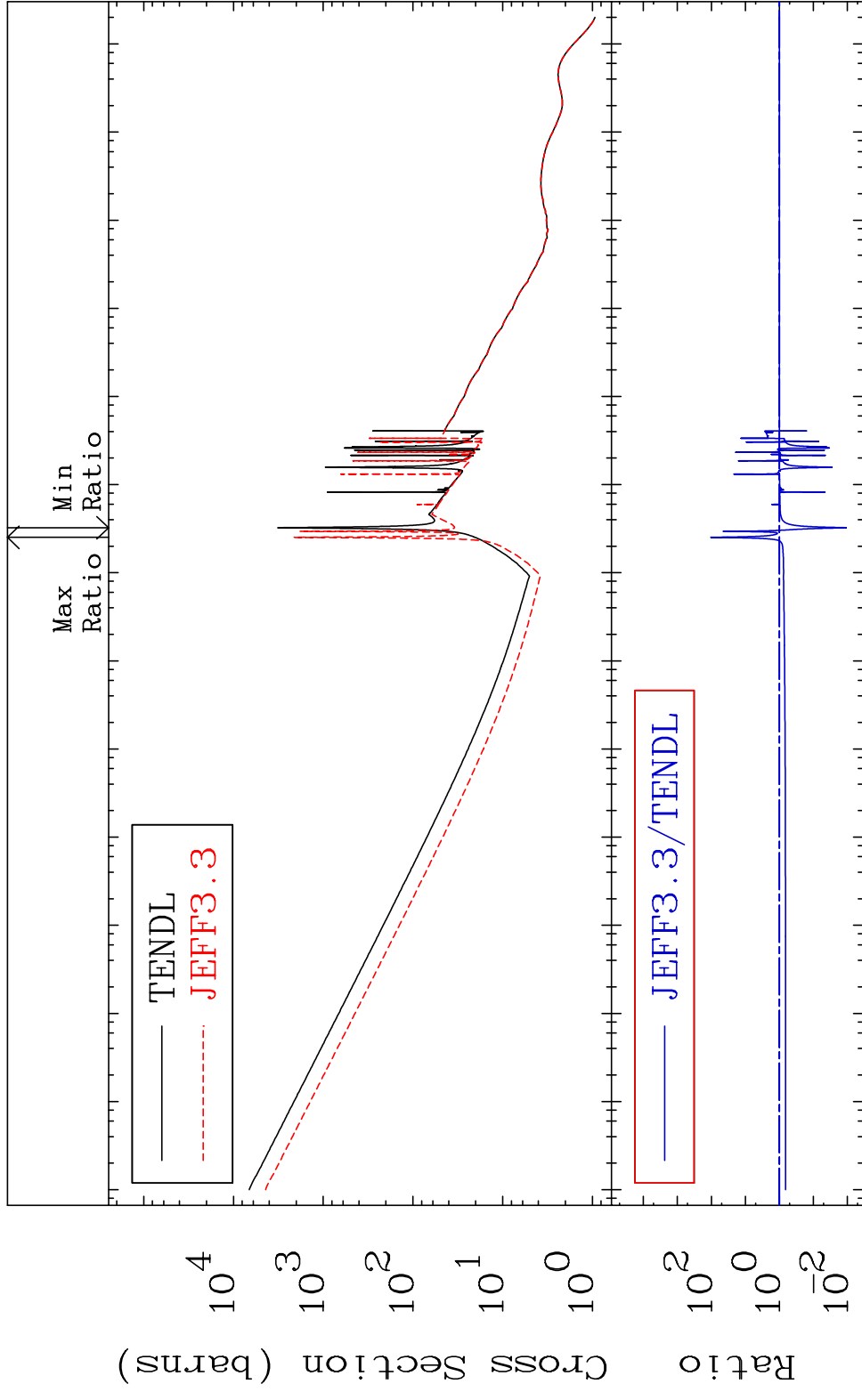
Press Mouse Button to Start

MAT 2319

23-V -48

Total

Cross Section -98.93 To 9999. %



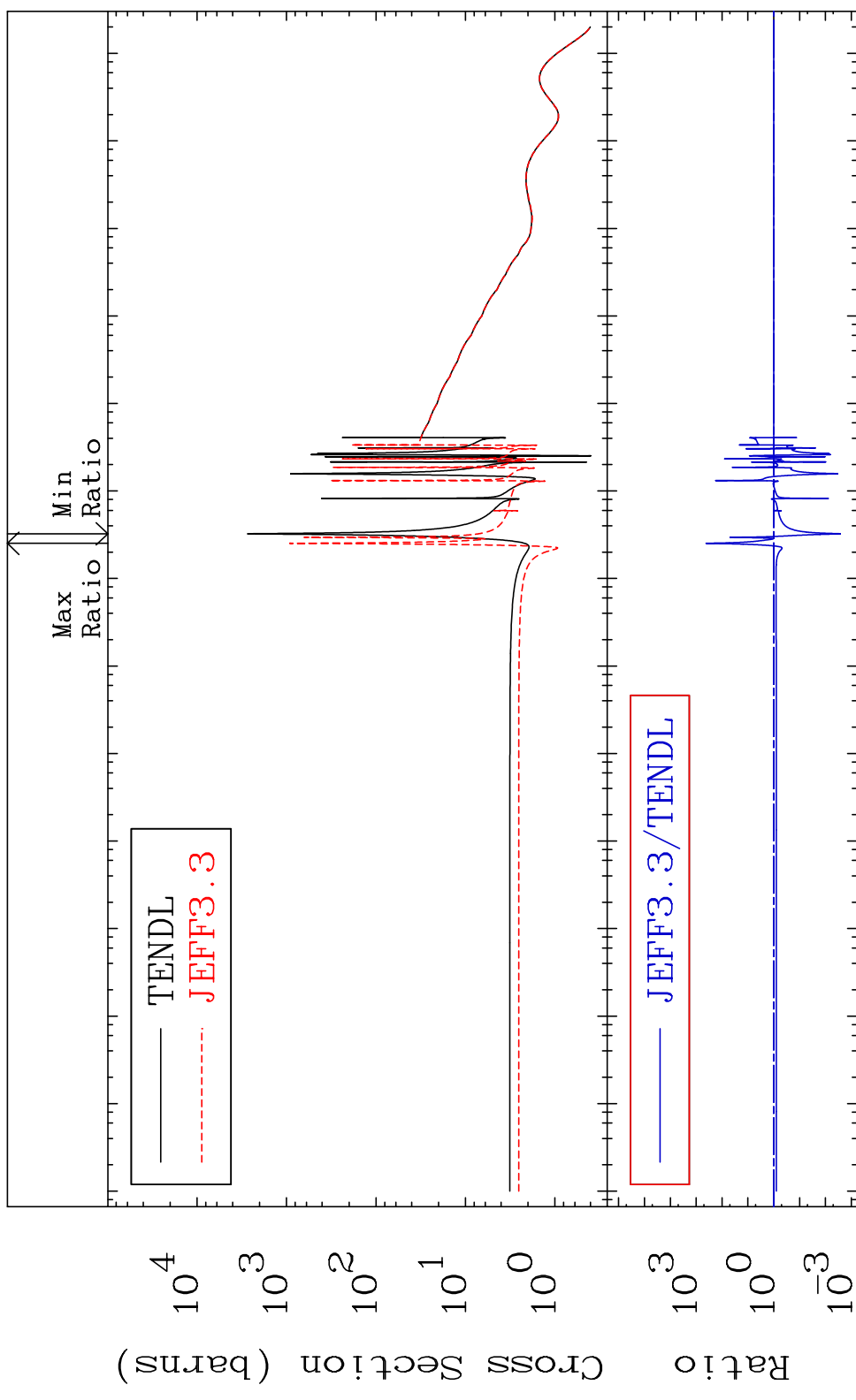
1

Incident Energy (eV)

23-V -48

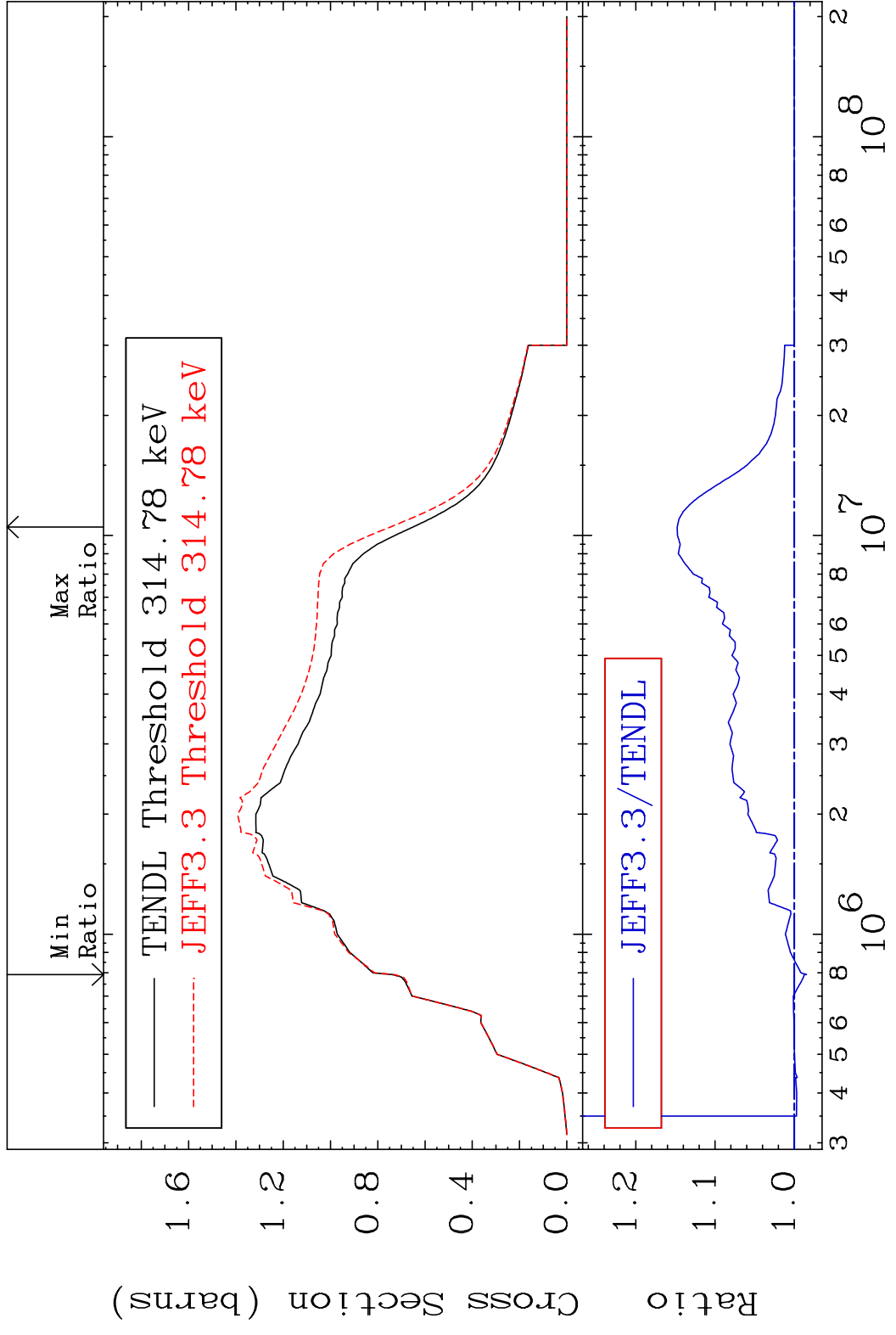
MAT 2319

Elastic Cross Section -99.74 To 9999. %  
23-V -48



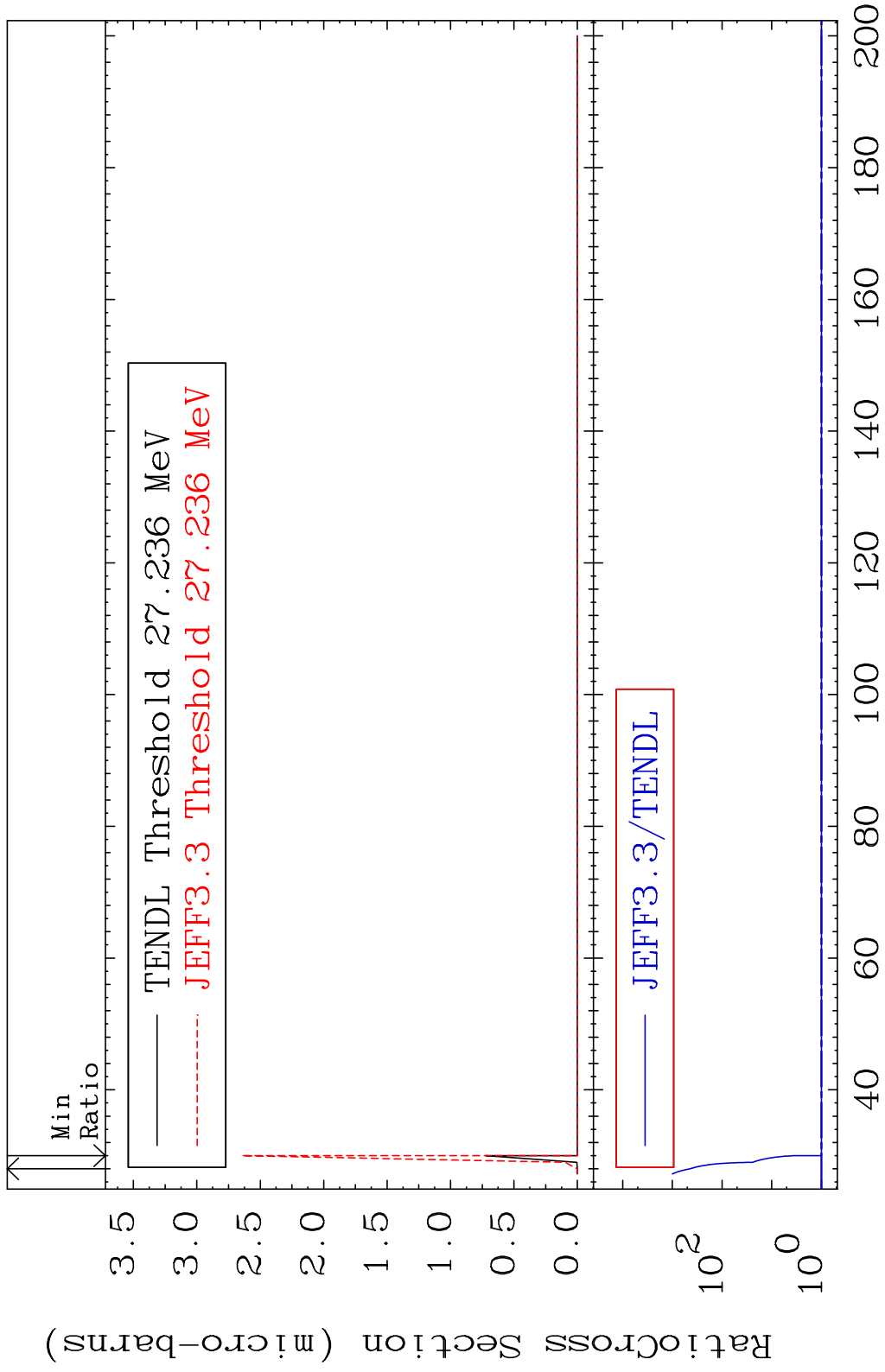
2 Incident Energy (eV) 23-V -48

MAT 2319 Inelastic 23-V -48  
 Cross Section -1.524 To 14.77 %



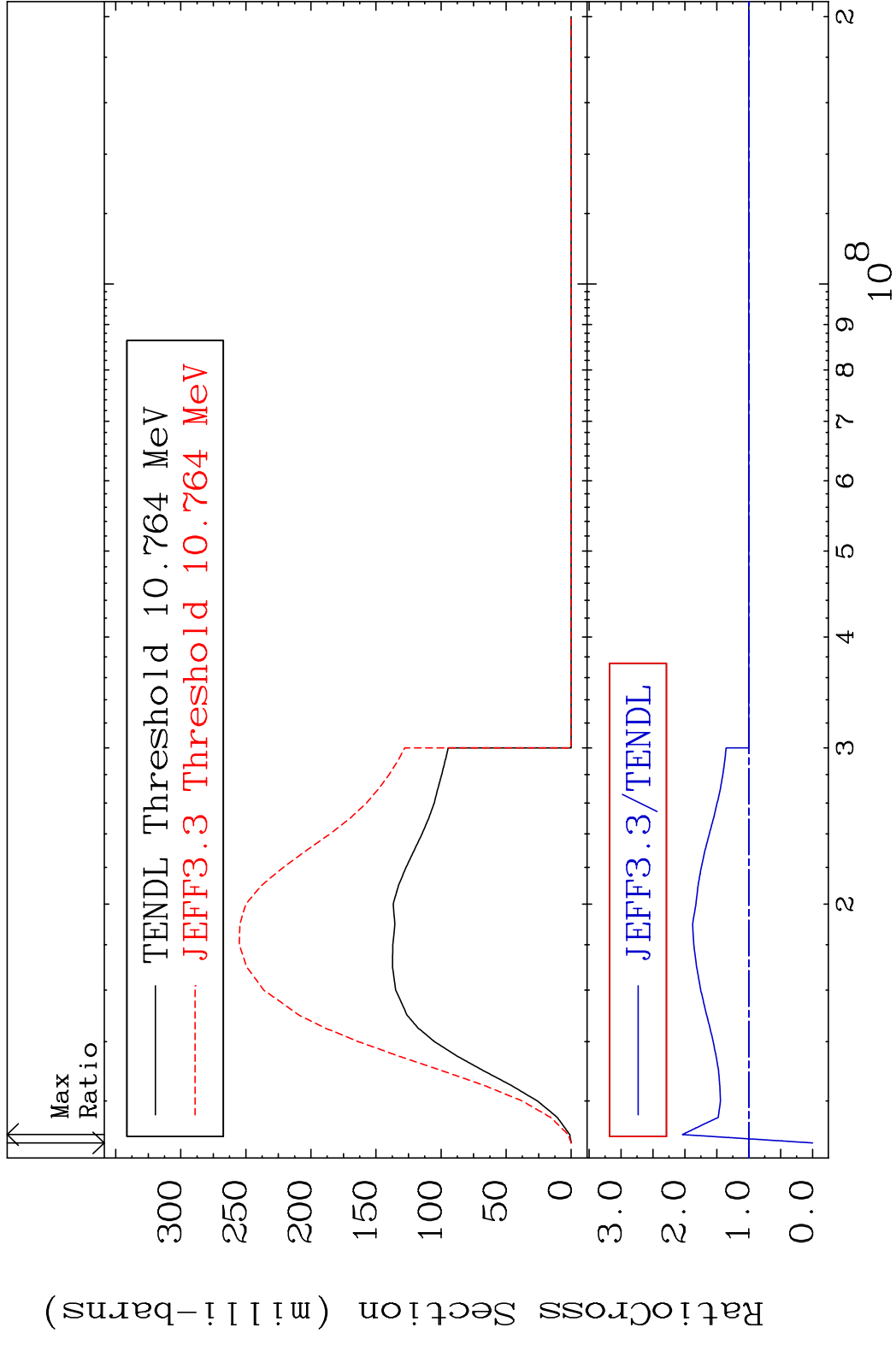
3 3 Incident Energy (eV) 23-V -48

MAT 2319 (n,2n) d 23-V -48  
 Cross Section 0.000 To 9999. %



4 Incident Energy (MeV) 23-V -48

MAT 2319 (n,2n) 23-V -48  
 Cross Section -100.0 To 104.0 %

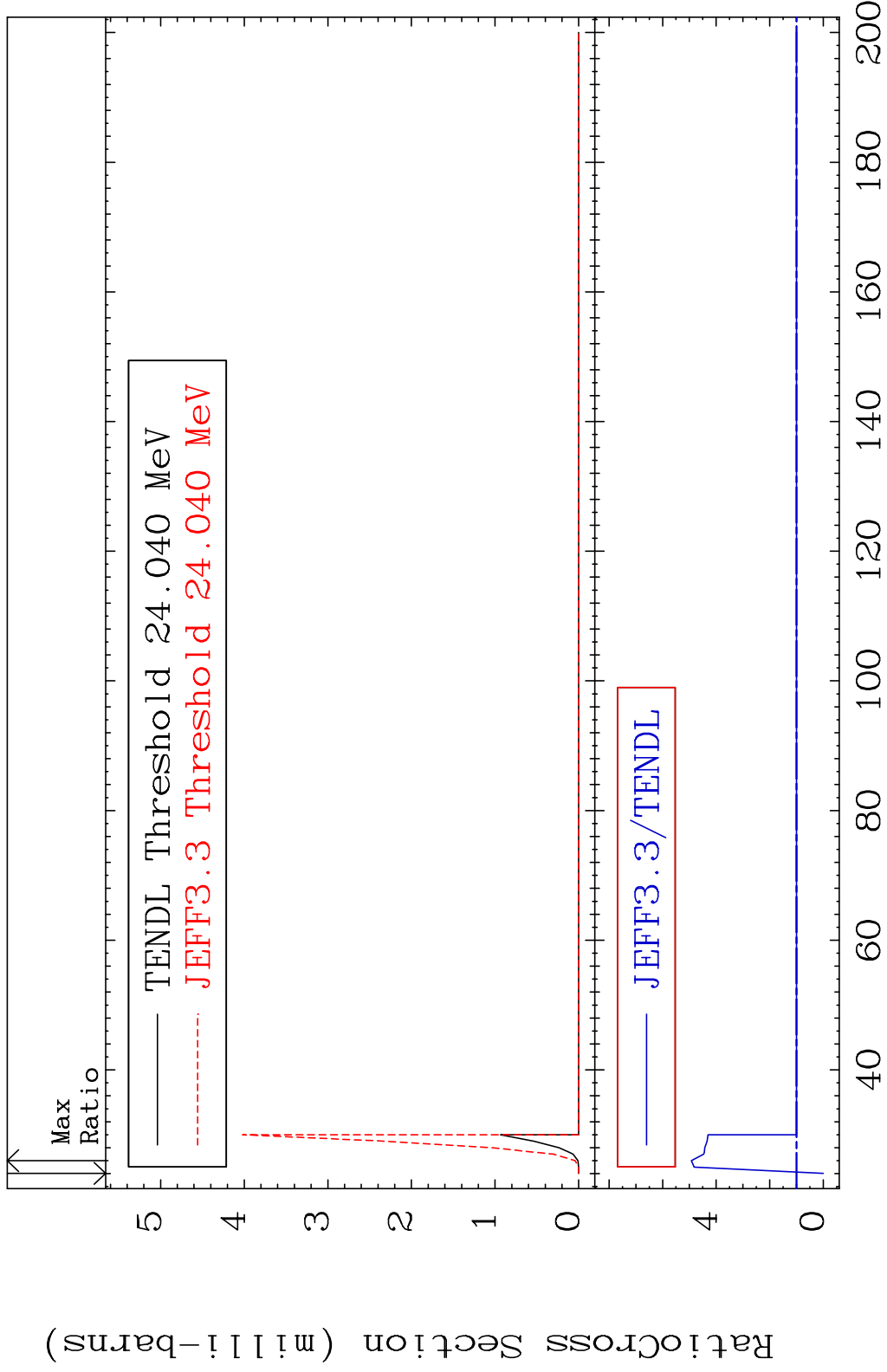


MAT 2319

(n,3n)

23-V -48

Cross Section -100.0 To 392.7 %



6

Incident Energy (MeV)

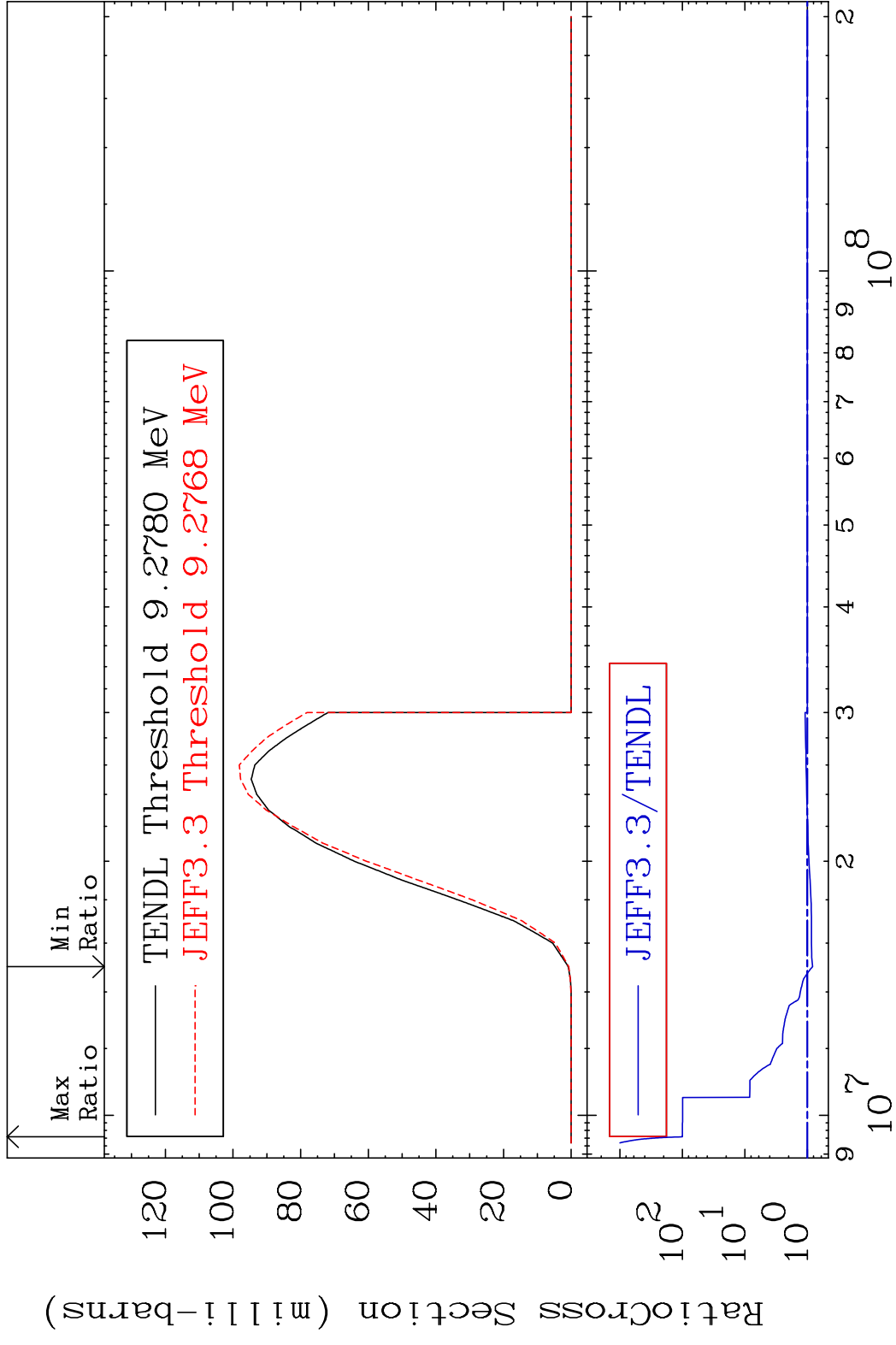
23-V -48

MAT 2319

(n, n')  $\alpha$

23-V -48

Cross Section -17.37 To 9930. %



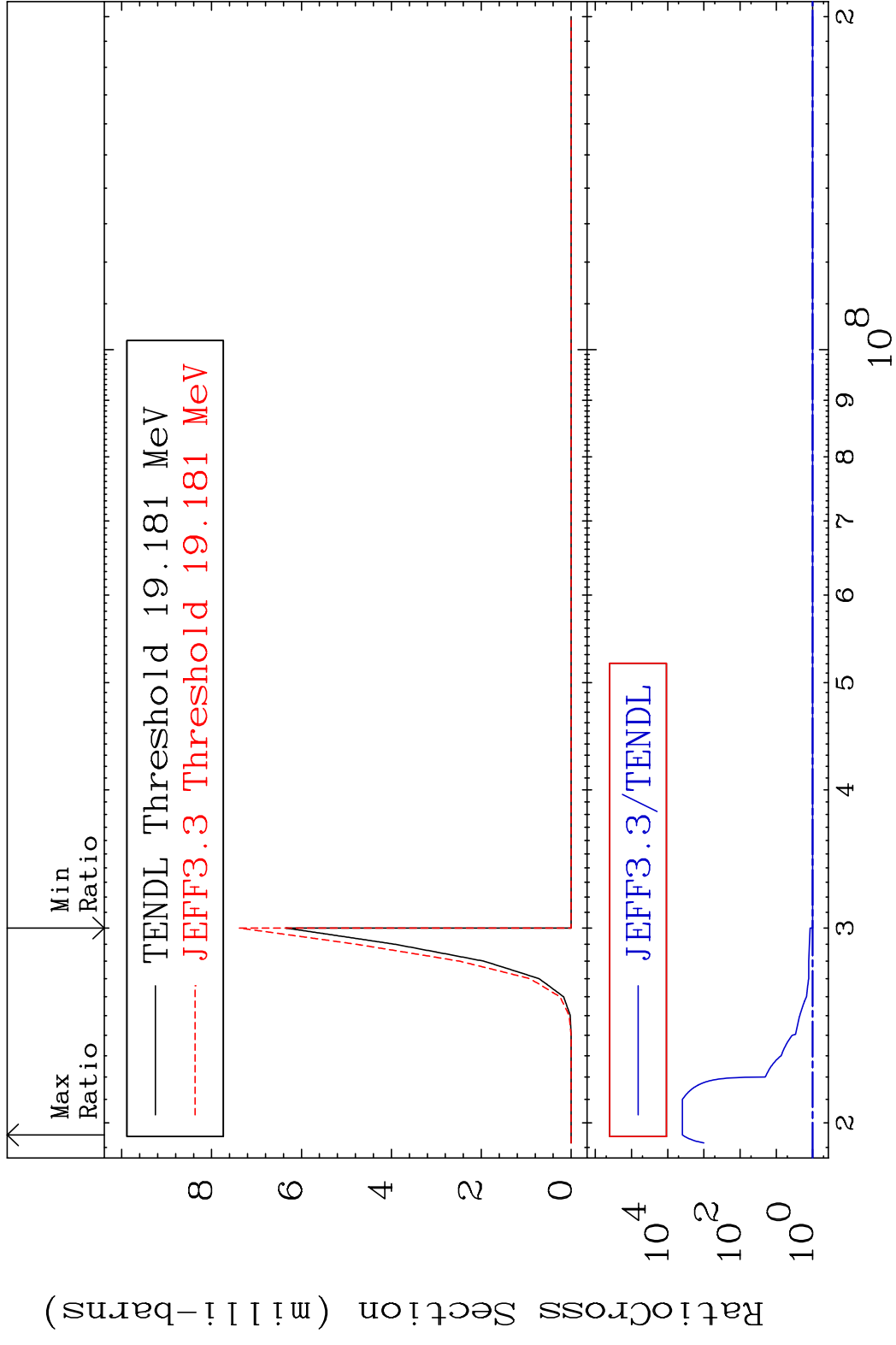
7

Incident Energy (eV)

23-V -48

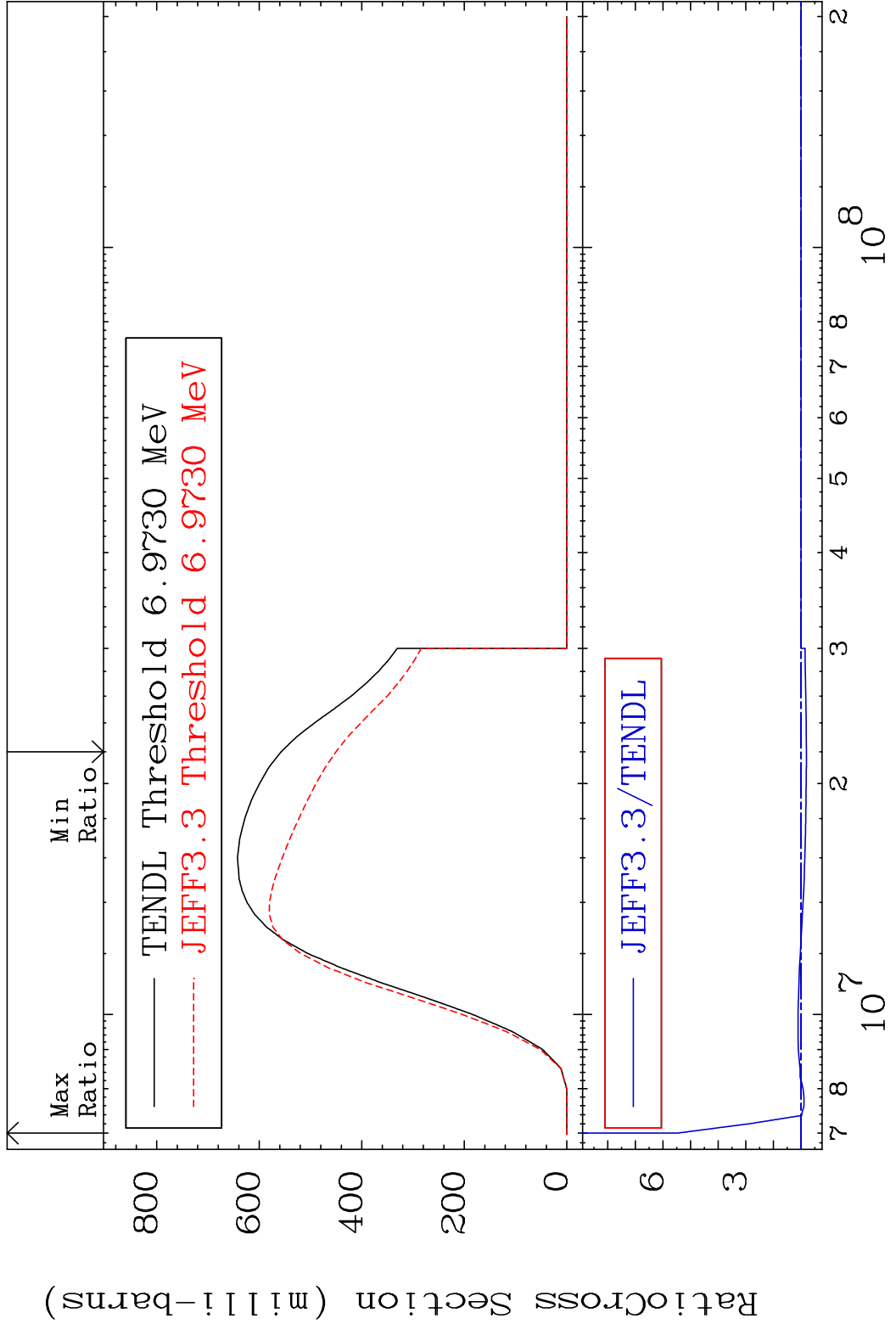


MAT 2319 (n,2n)  $\alpha$  23-V -48  
 Cross Section 0.000 To 9999. %



8 Incident Energy (eV) 23-V -48

MAT 2319 (n, n') p 23-V -48  
 Cross Section -19.18 To 448.5 %



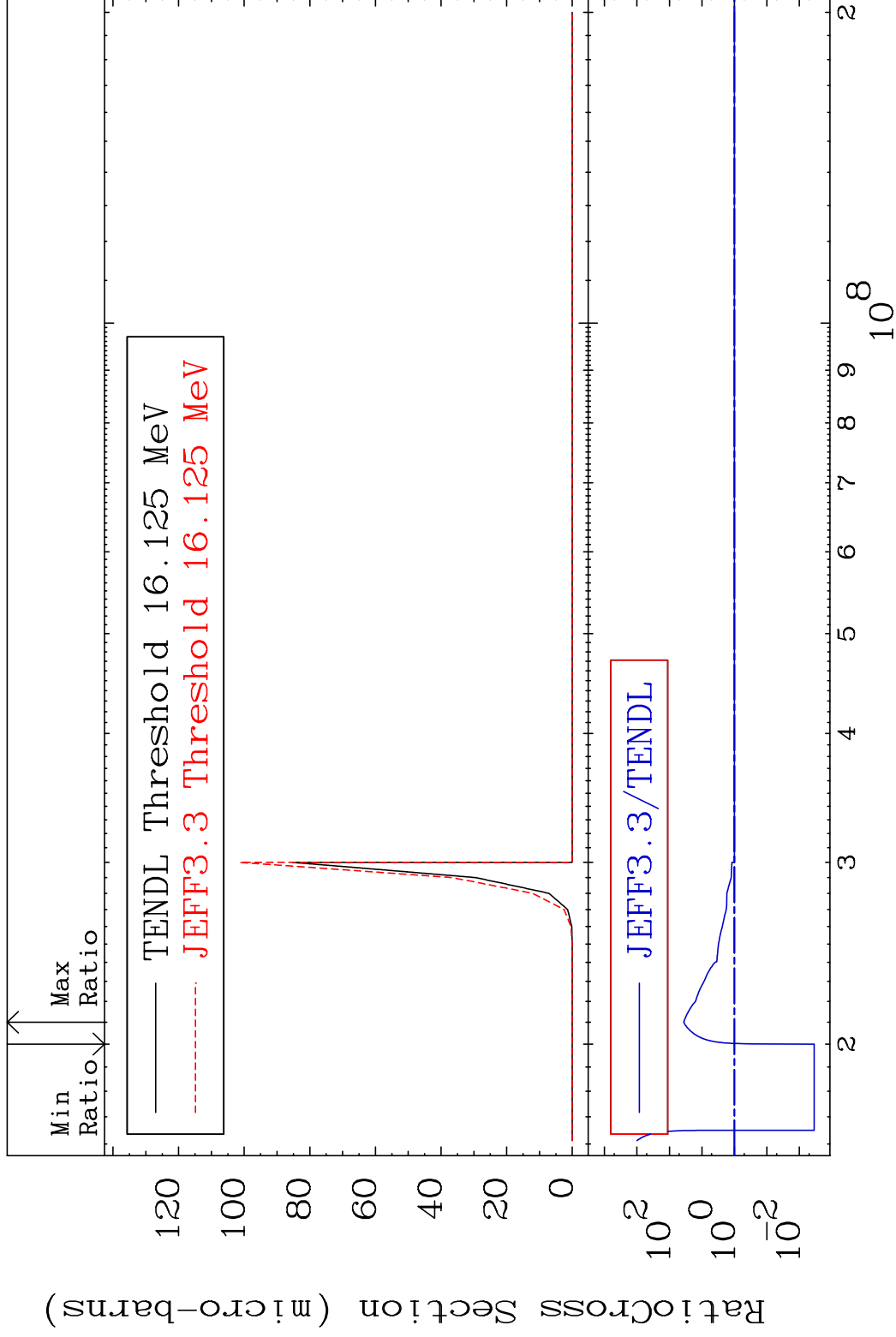
9 23-V -48

MAT 2319

(n, n') 2 $\alpha$

23-V -48

Cross Section -99.65 To 3543. %

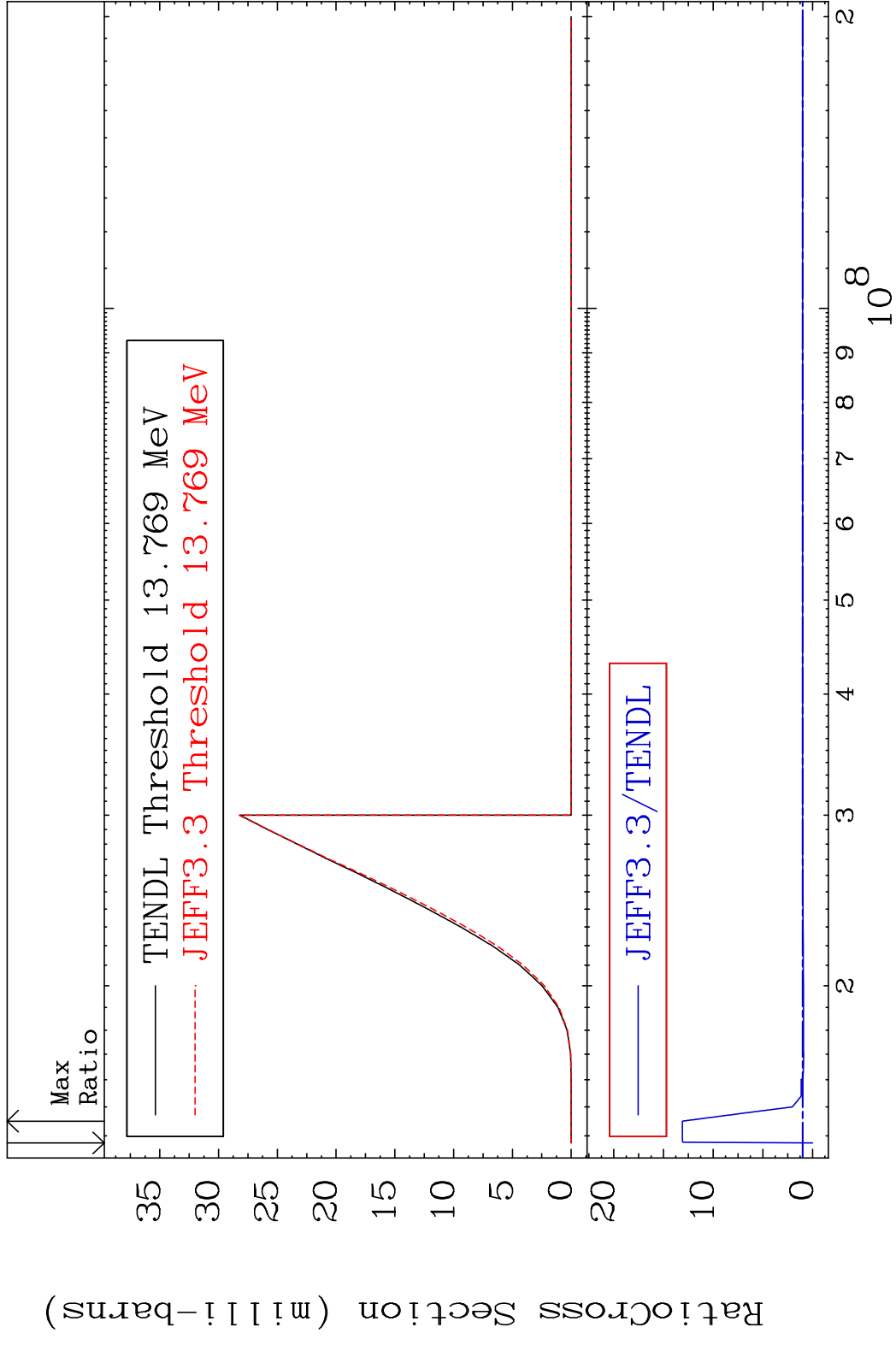


10

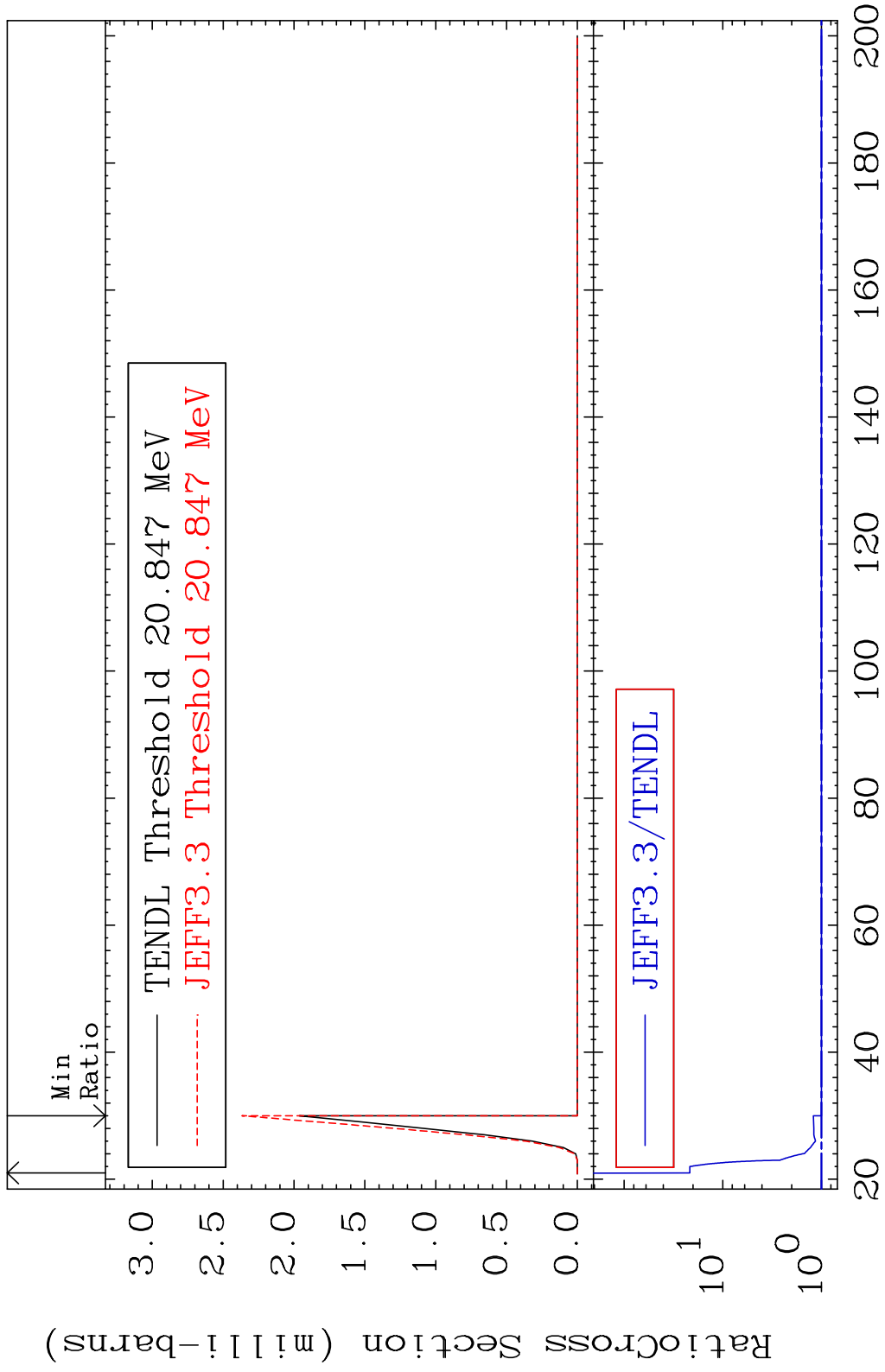
Incident Energy (eV)

23-V -48

MAT 2319 (n, n') d 23-V -48  
 Cross Section -100.0 To 1210. %



MAT 2319 (n, n') t 23-V -48  
 Cross Section 0.000 To 2061. %



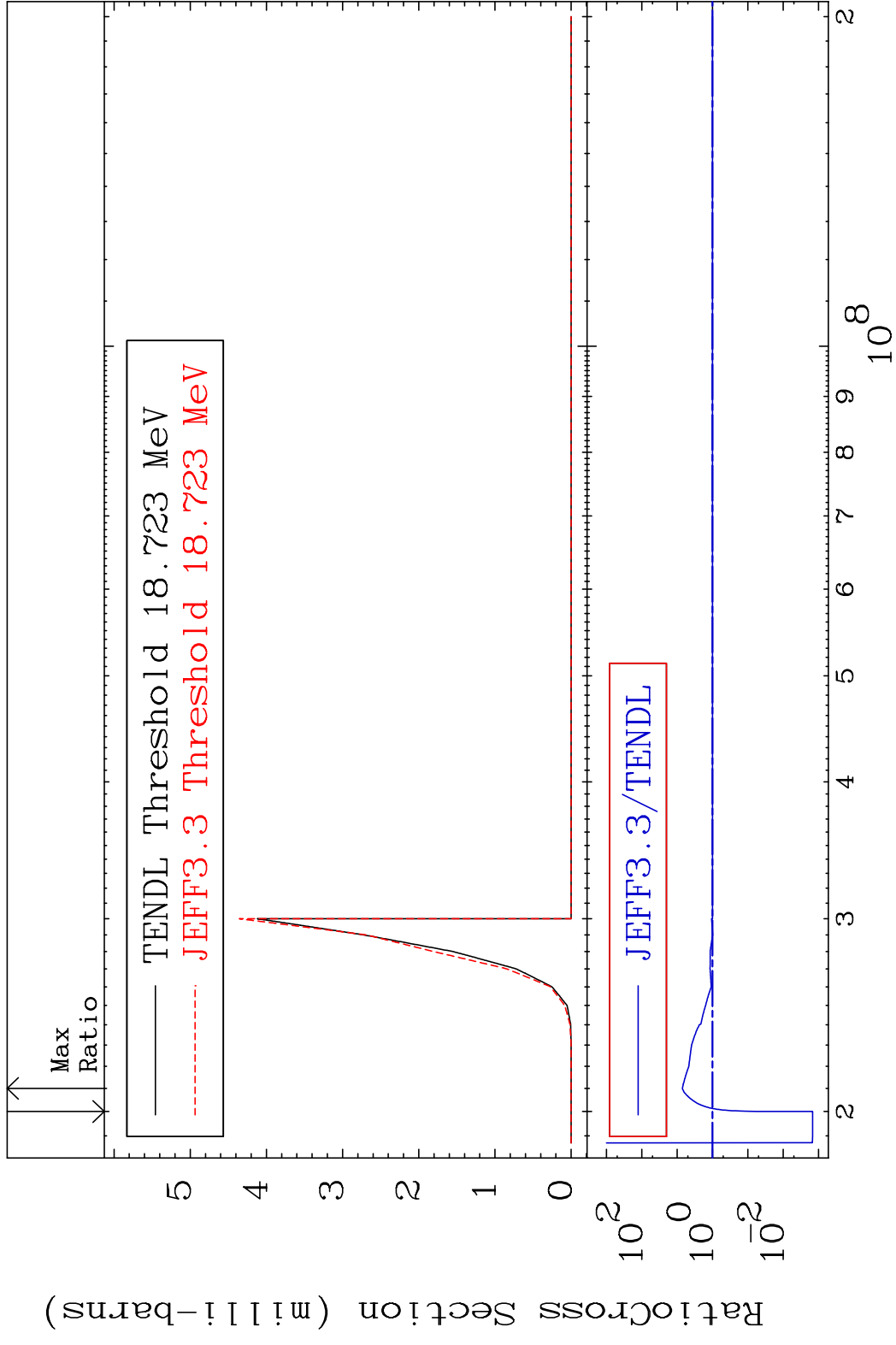
12 Incident Energy (MeV) 23-V -48

MAT 2319

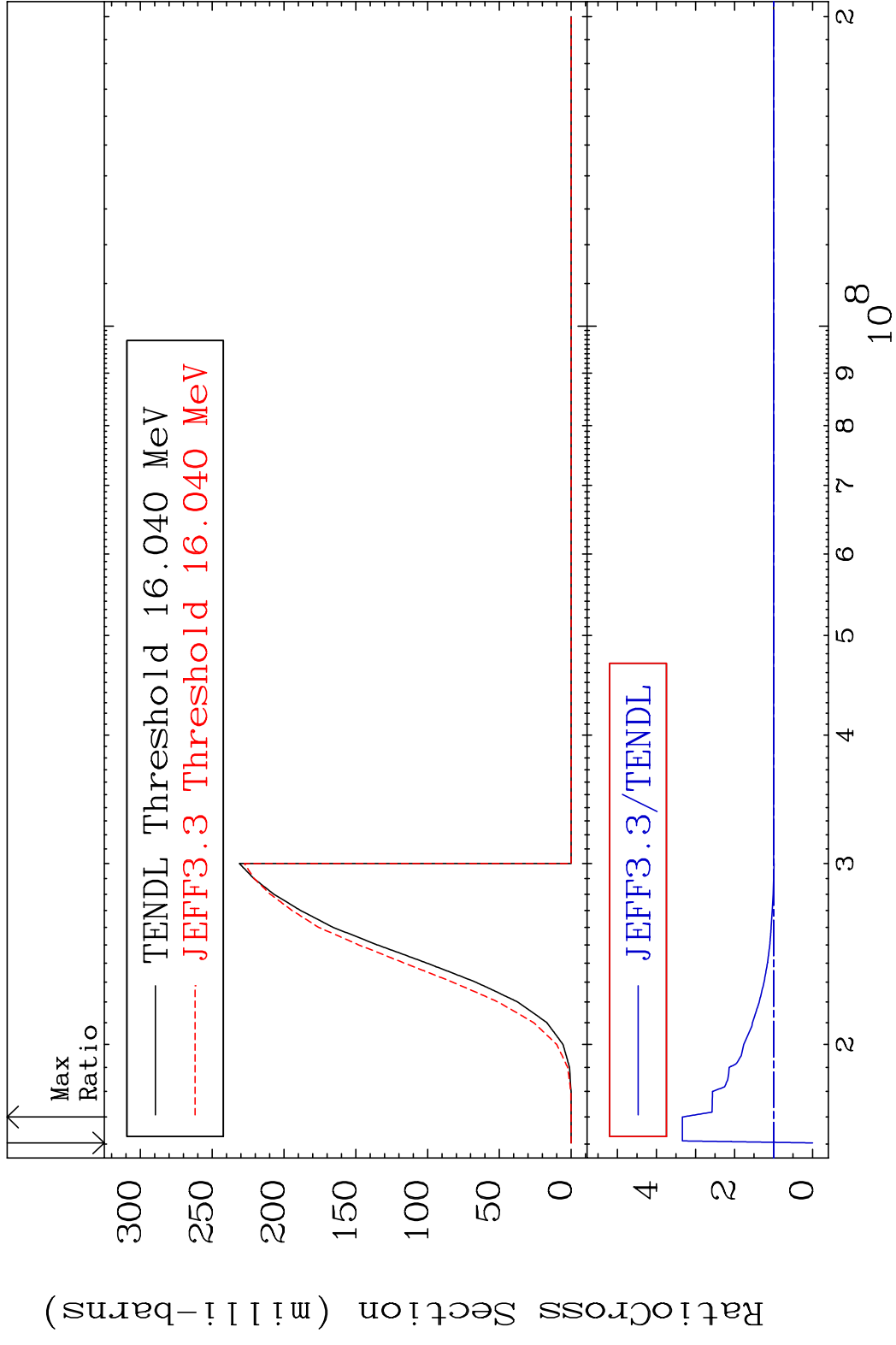
(n,n') He-3

23-V -48

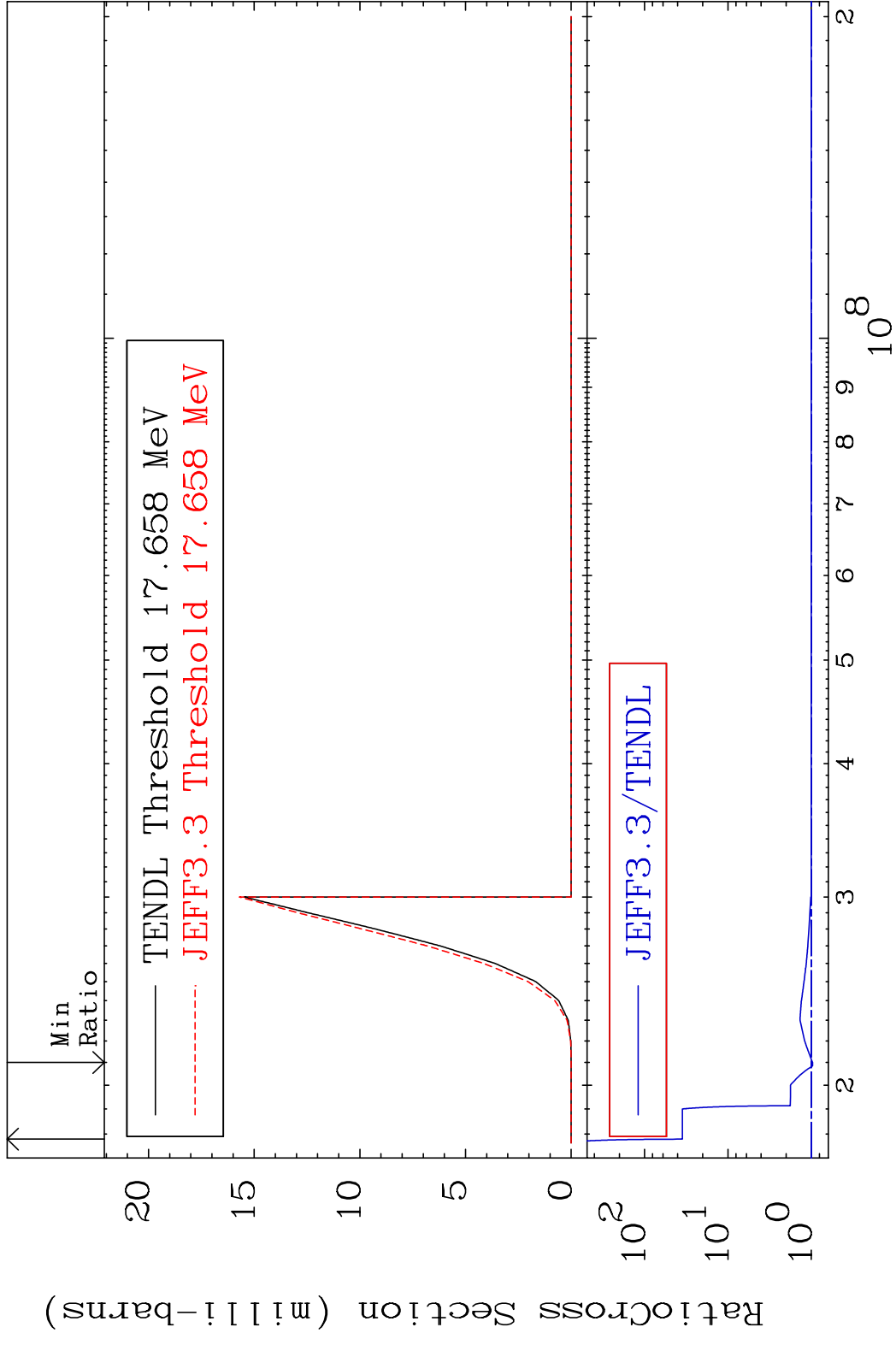
Cross Section -99.85 To 612.6 %



MAT 2319 (n,2n) p 23-V -48  
 Cross Section -100.0 To 233.7 %



MAT 2319 (n,2n) p 23-V -48  
 Cross Section -3.433 To 3415. %



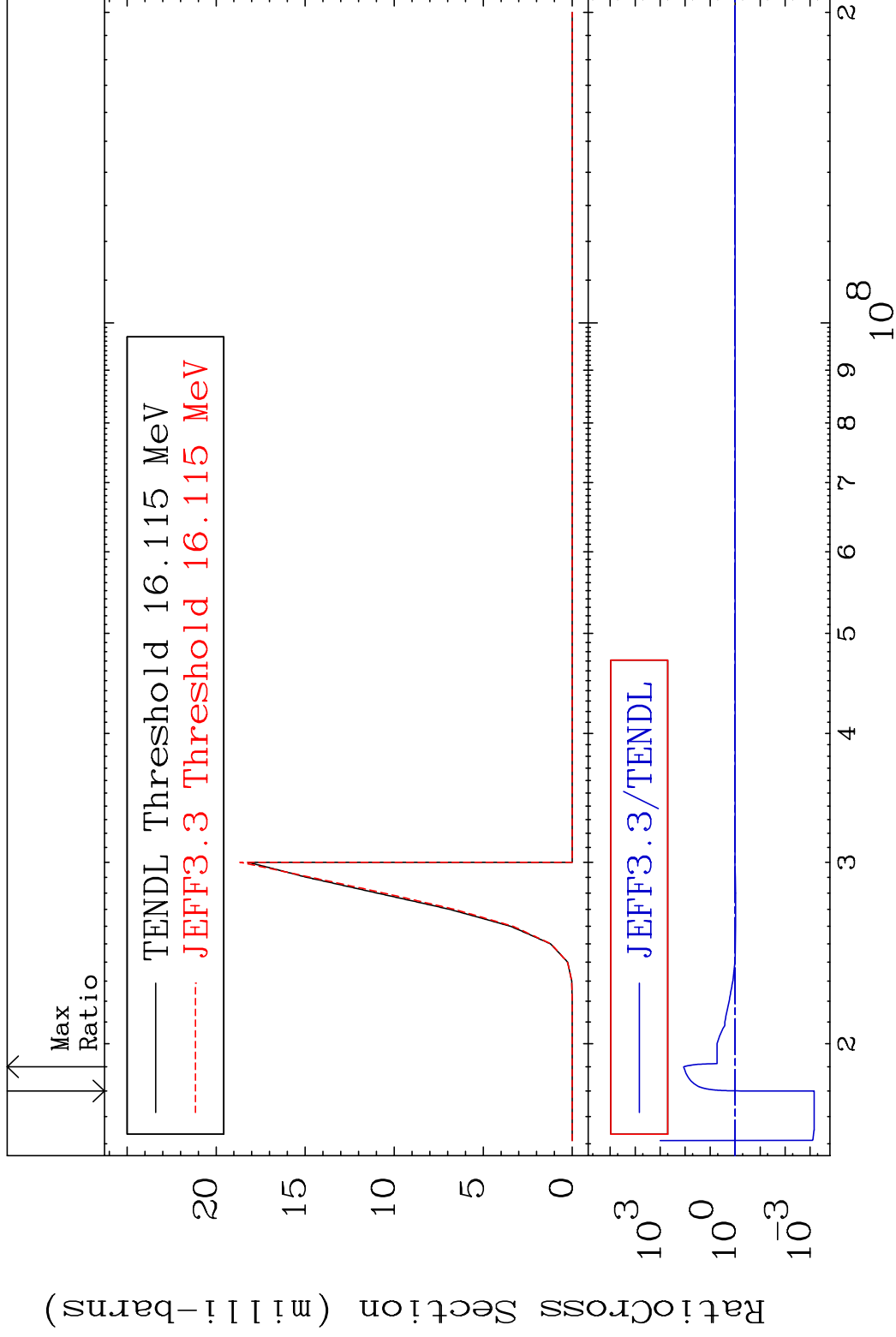


MAT 2319

(n,n') p  $\alpha$

23-V -48

Cross Section -99.93 To 9999. %

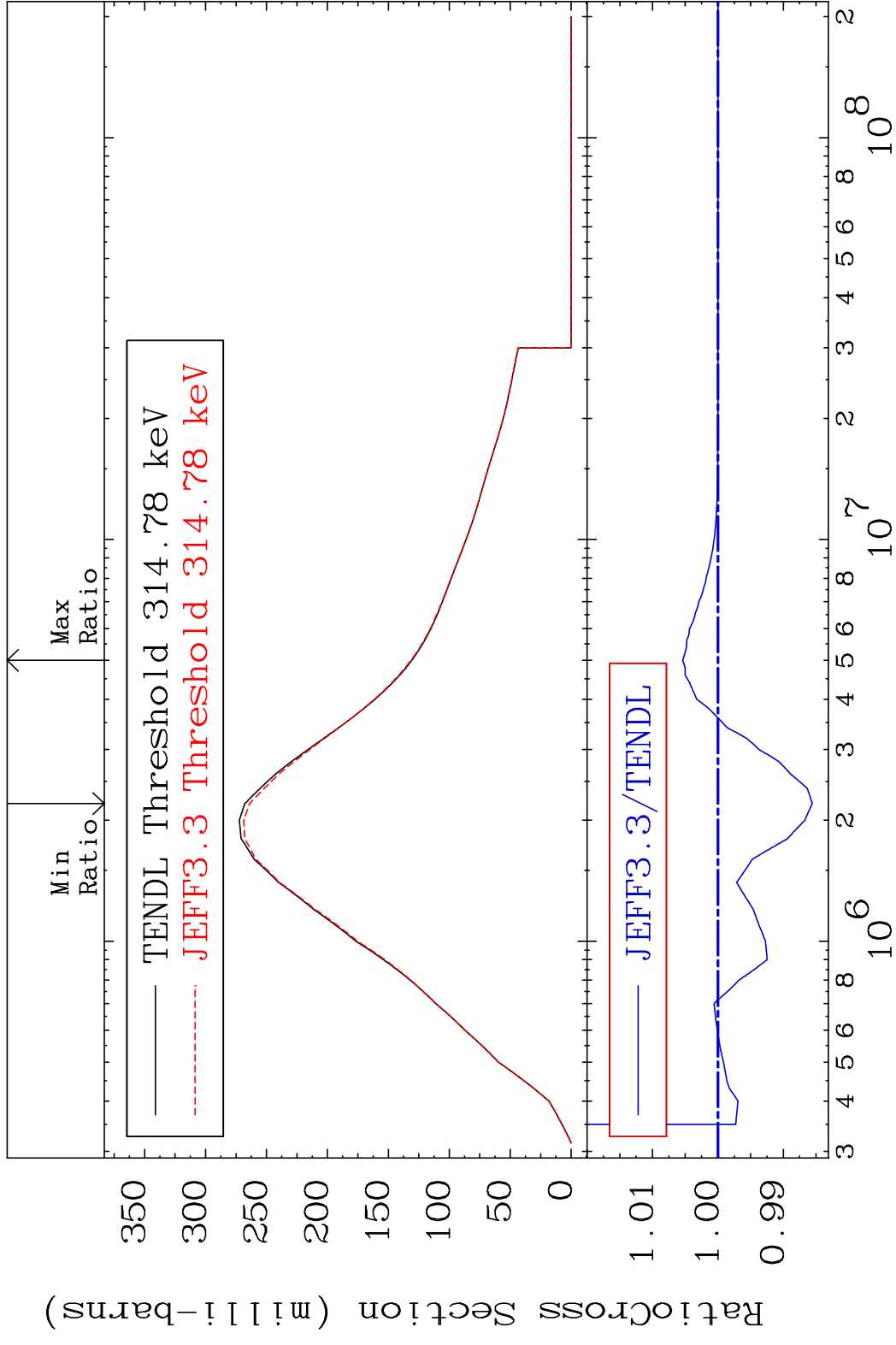


16

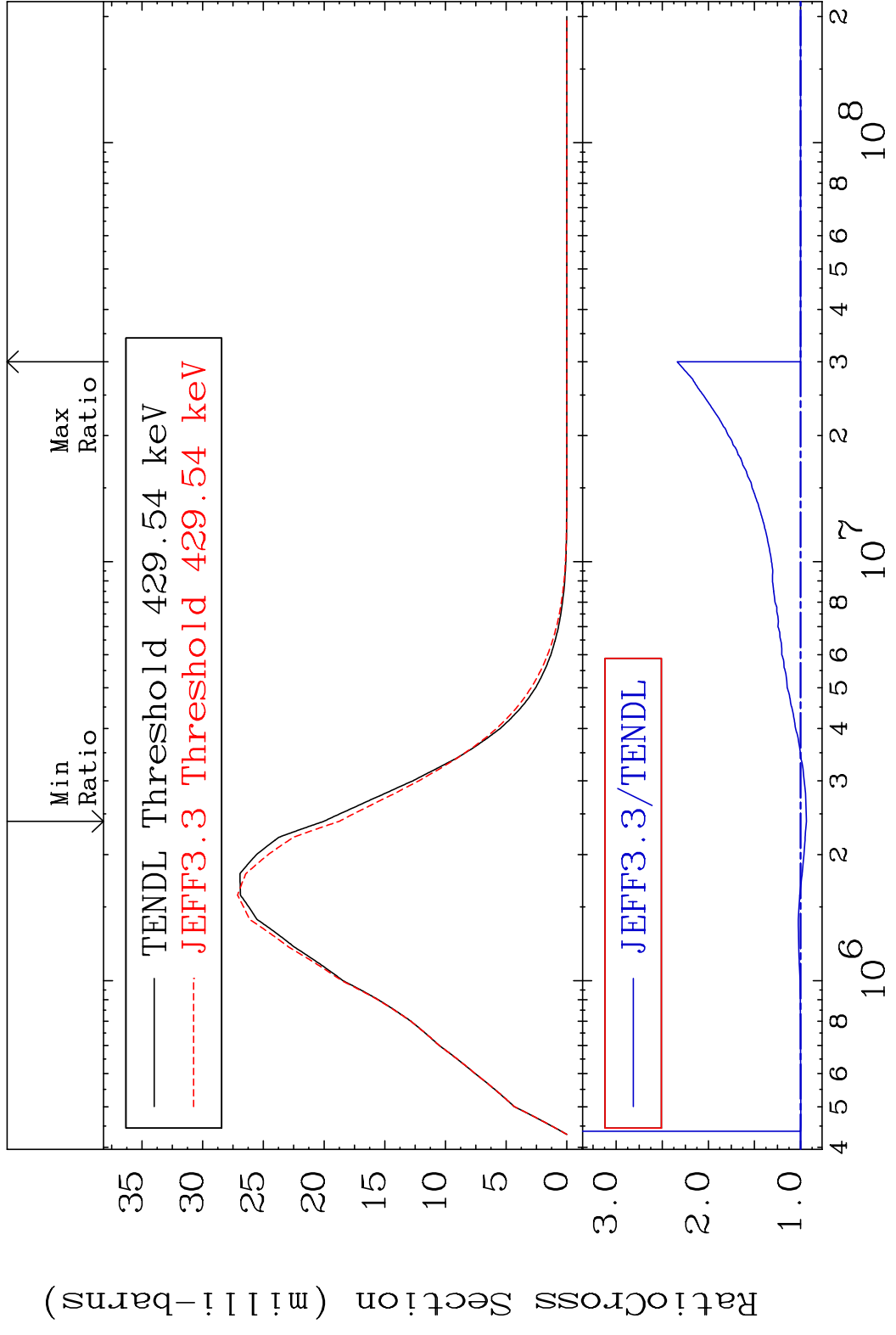
Incident Energy (eV)

23-V -48

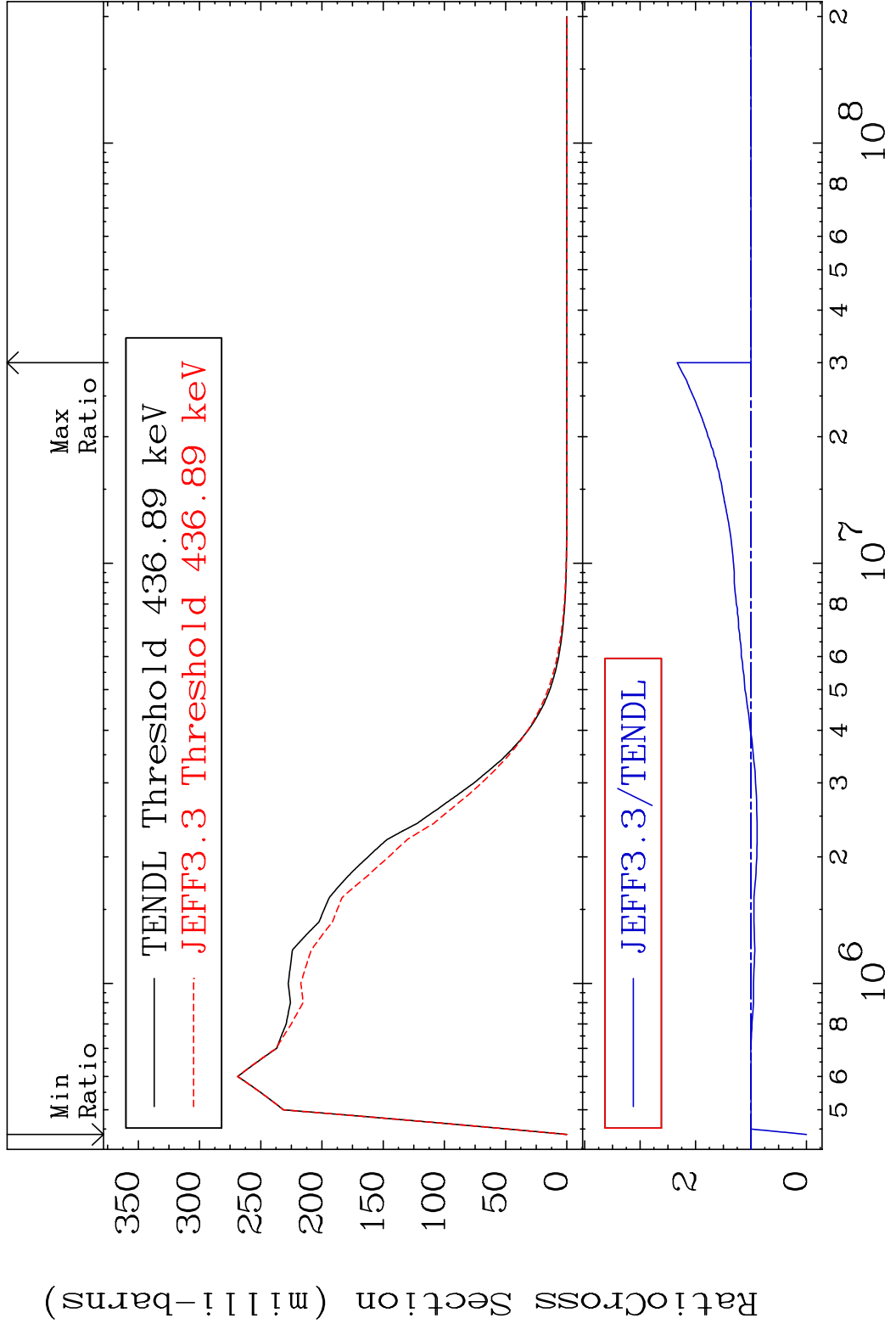
MAT 2319 MT= 51 (n, n') Level 23-V -48  
 Cross Section -1.442 To 0.540 %



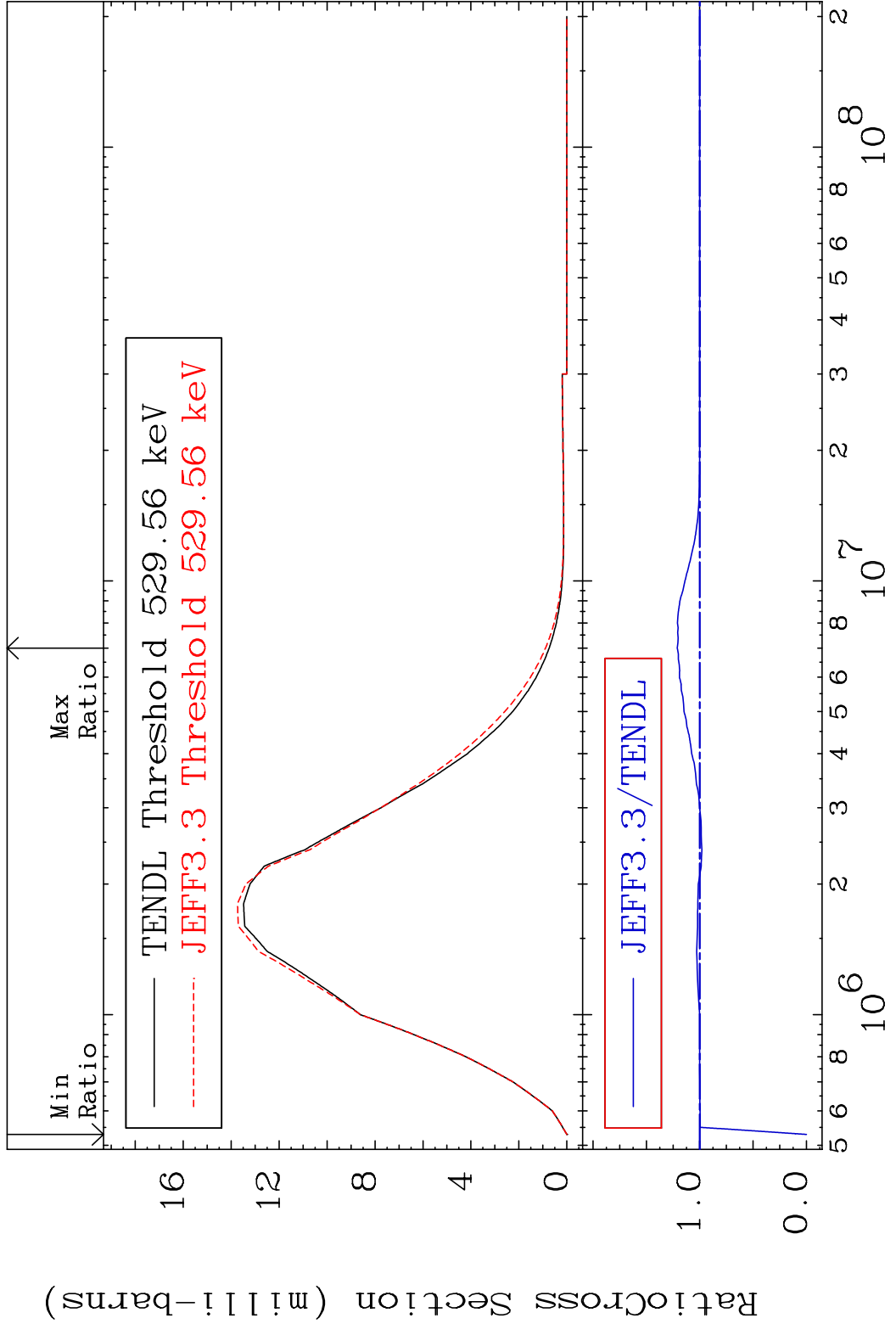
MAT 2319 MT= 52 (n,n') Level 23-V -48  
 Cross Section -6.328 To 133.8 %



MAT 2319 MT= 53 (n, n') Level 23-V -48  
 Cross Section -100.0 To 133.2 %

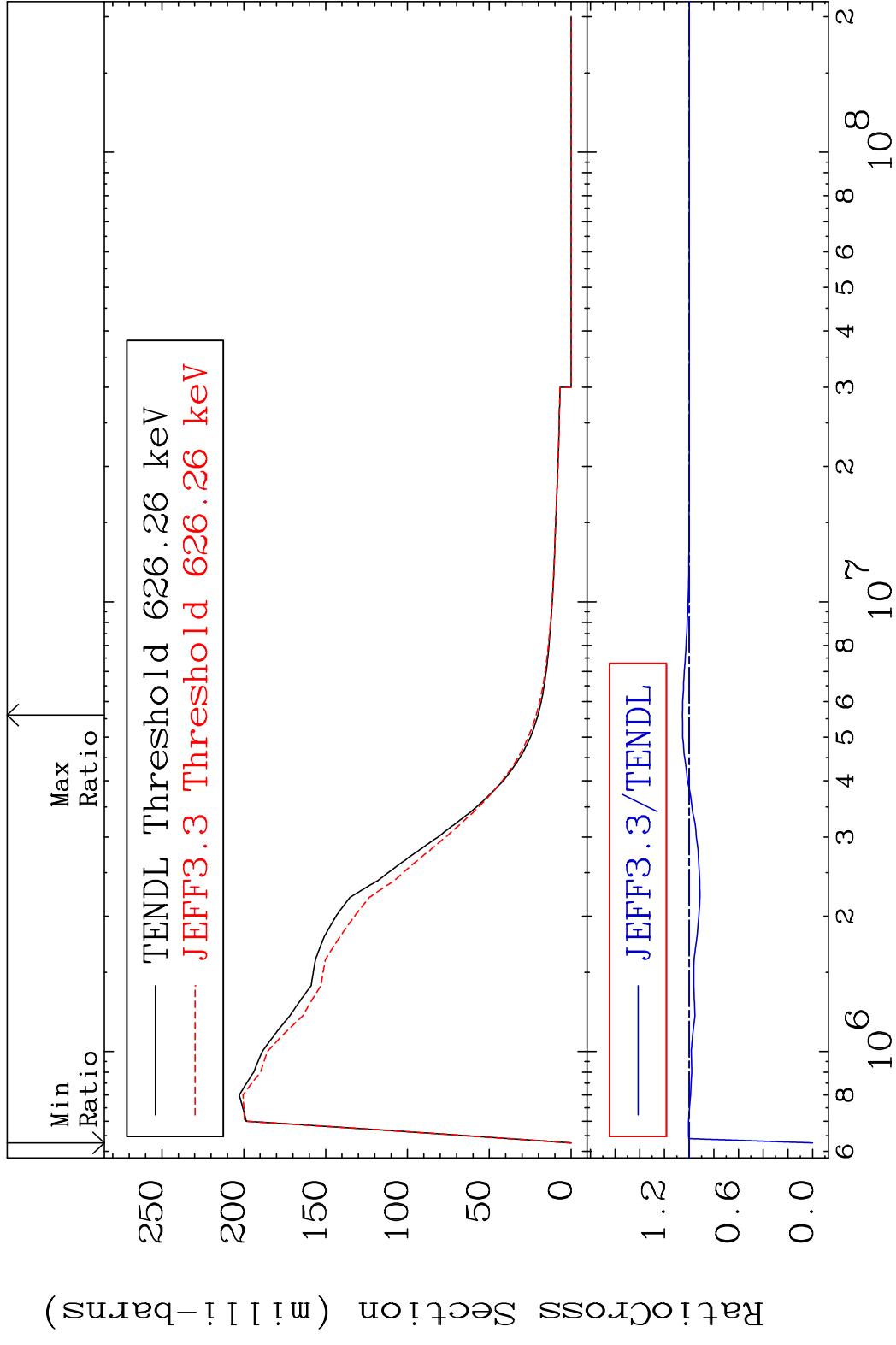


MAT 2319 MT= 54 (n, n') Level 23-V -48  
 Cross Section -100.0 To 21.14 %

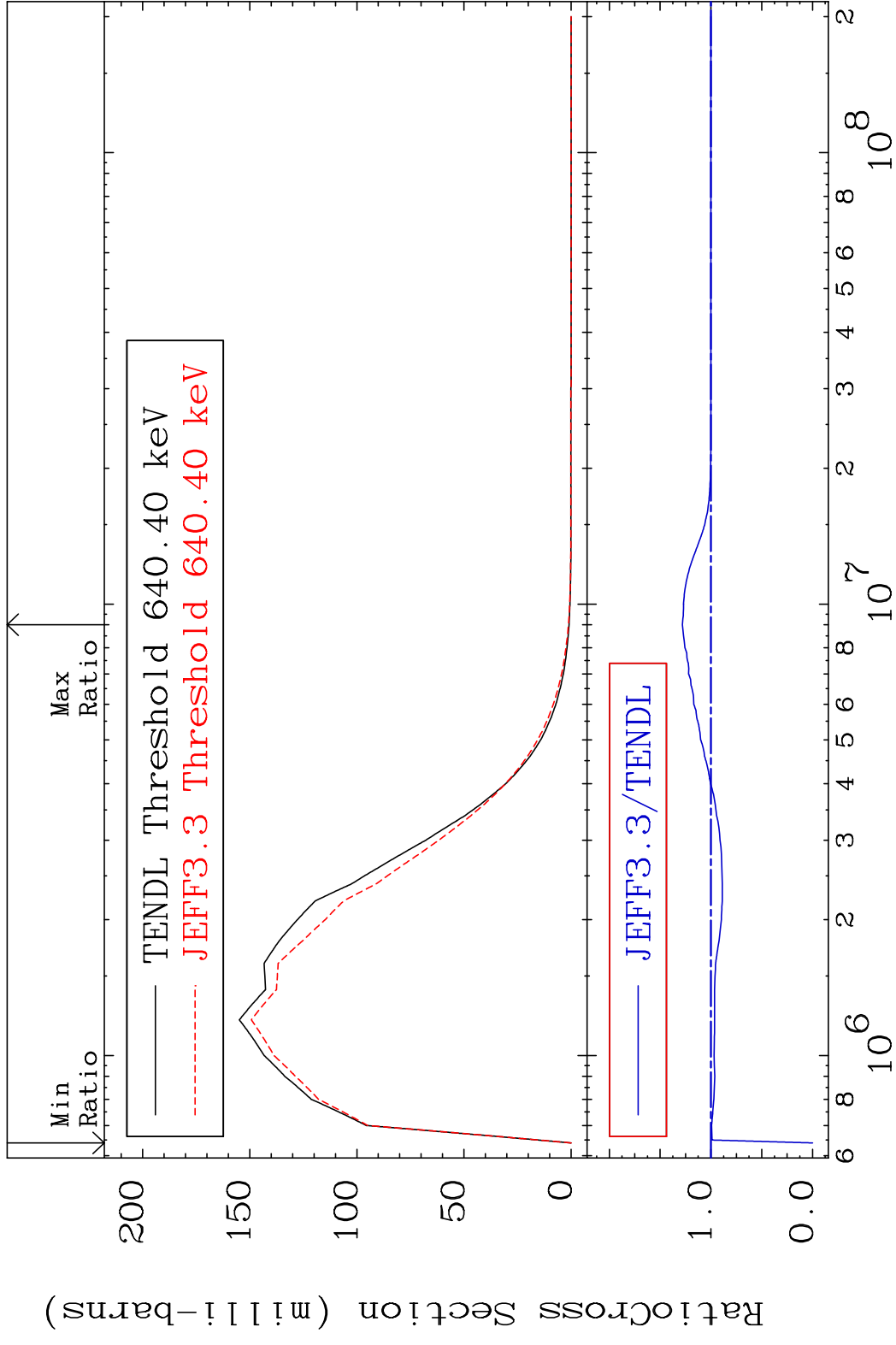


20 Incident Energy (eV) 23-V -48

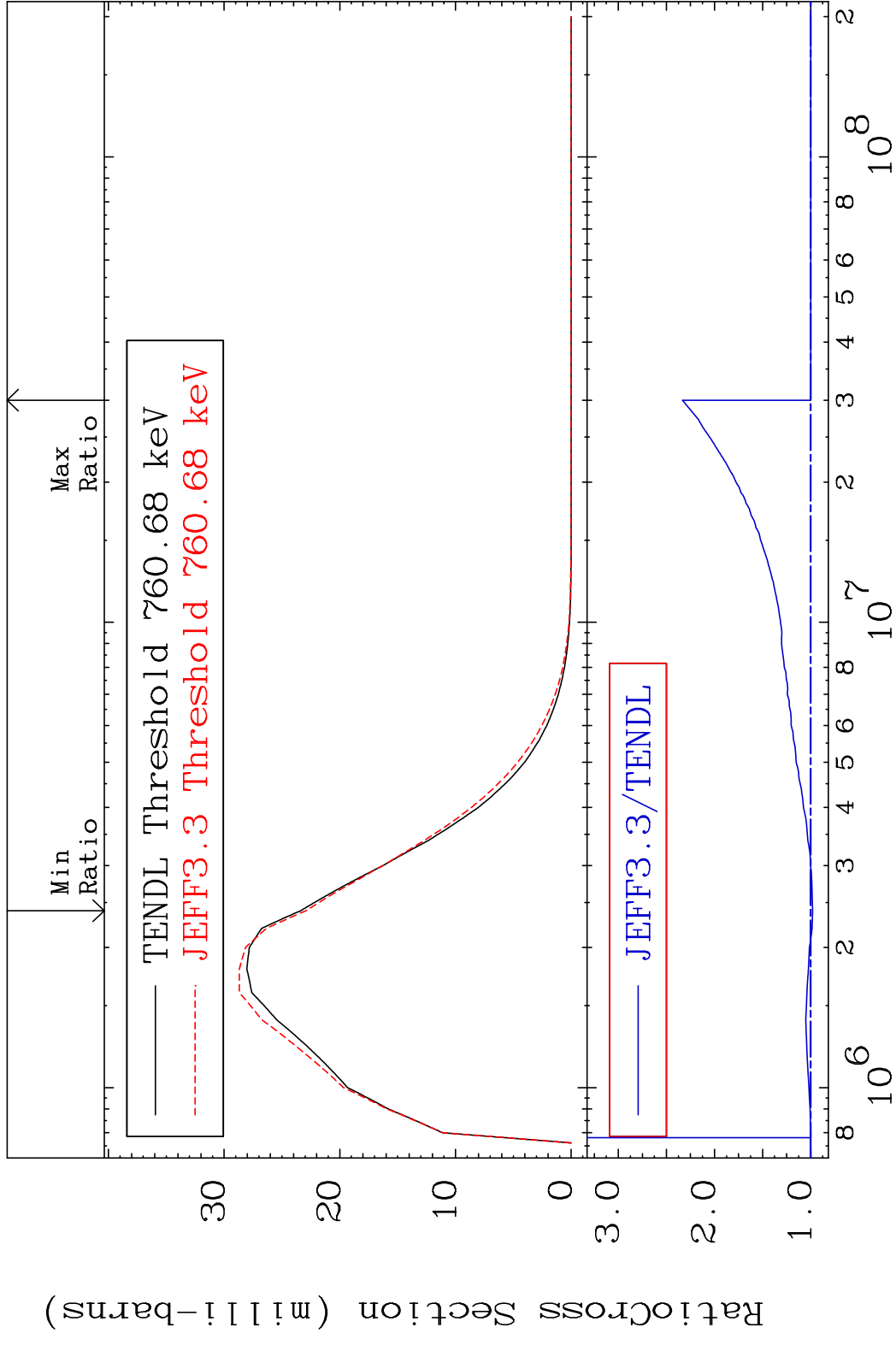
MAT 2319 MT= 55 (n, n') Level 23-V -48  
 Cross Section -100.0 To 5.505 %



MAT 2319 MT= 56 (n, n') Level 23-V -48  
 Cross Section -100.0 To 28.12 %



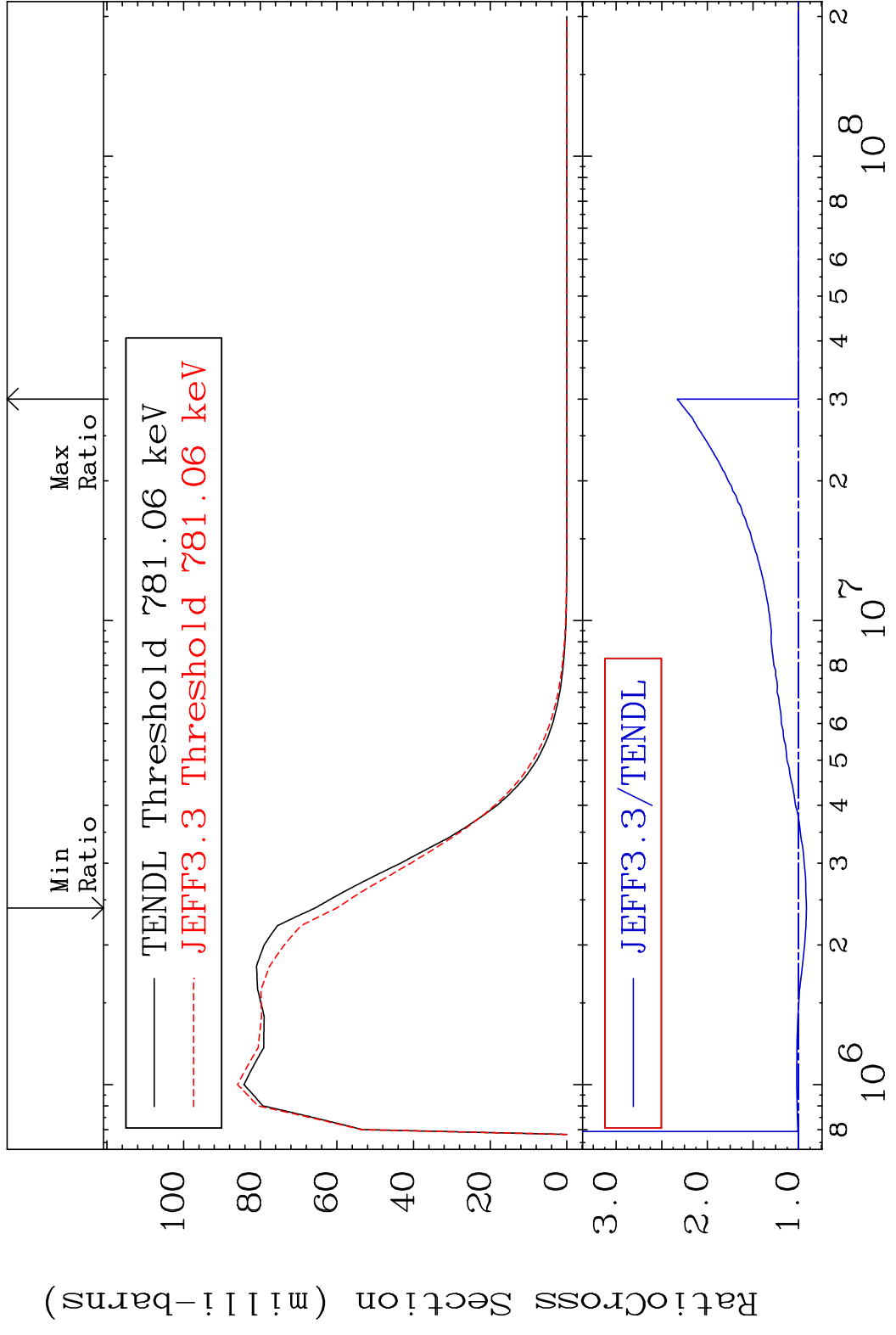
MAT 2319 MT= 57 (n,n') Level 23-V -48  
 Cross Section -1.962 To 133.4 %



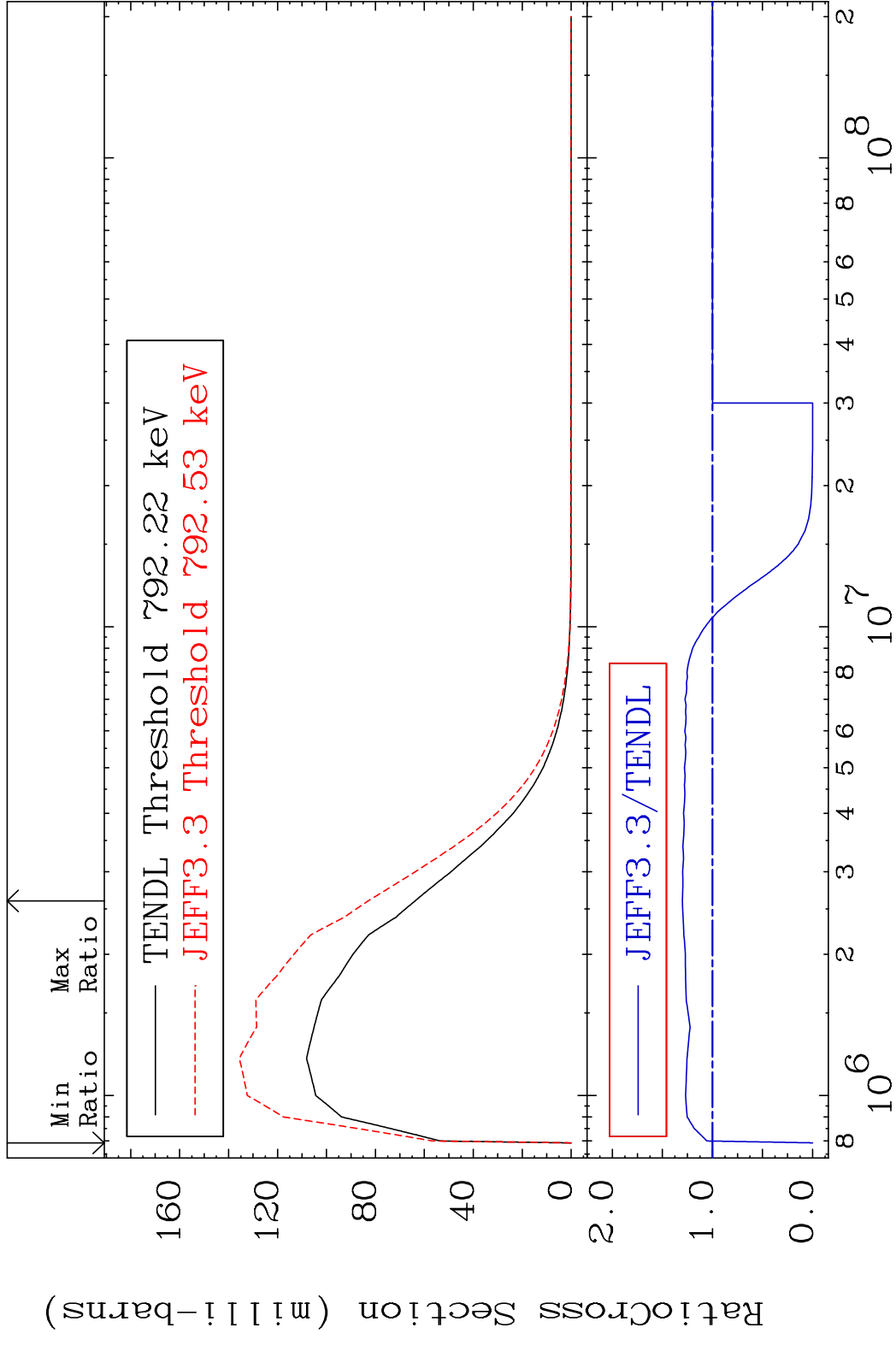
23 Incident Energy (eV) 23-V -48



MAT 2319 MT= 58 (n, n') Level 23-V -48  
 Cross Section -8.593 To 133.1 %

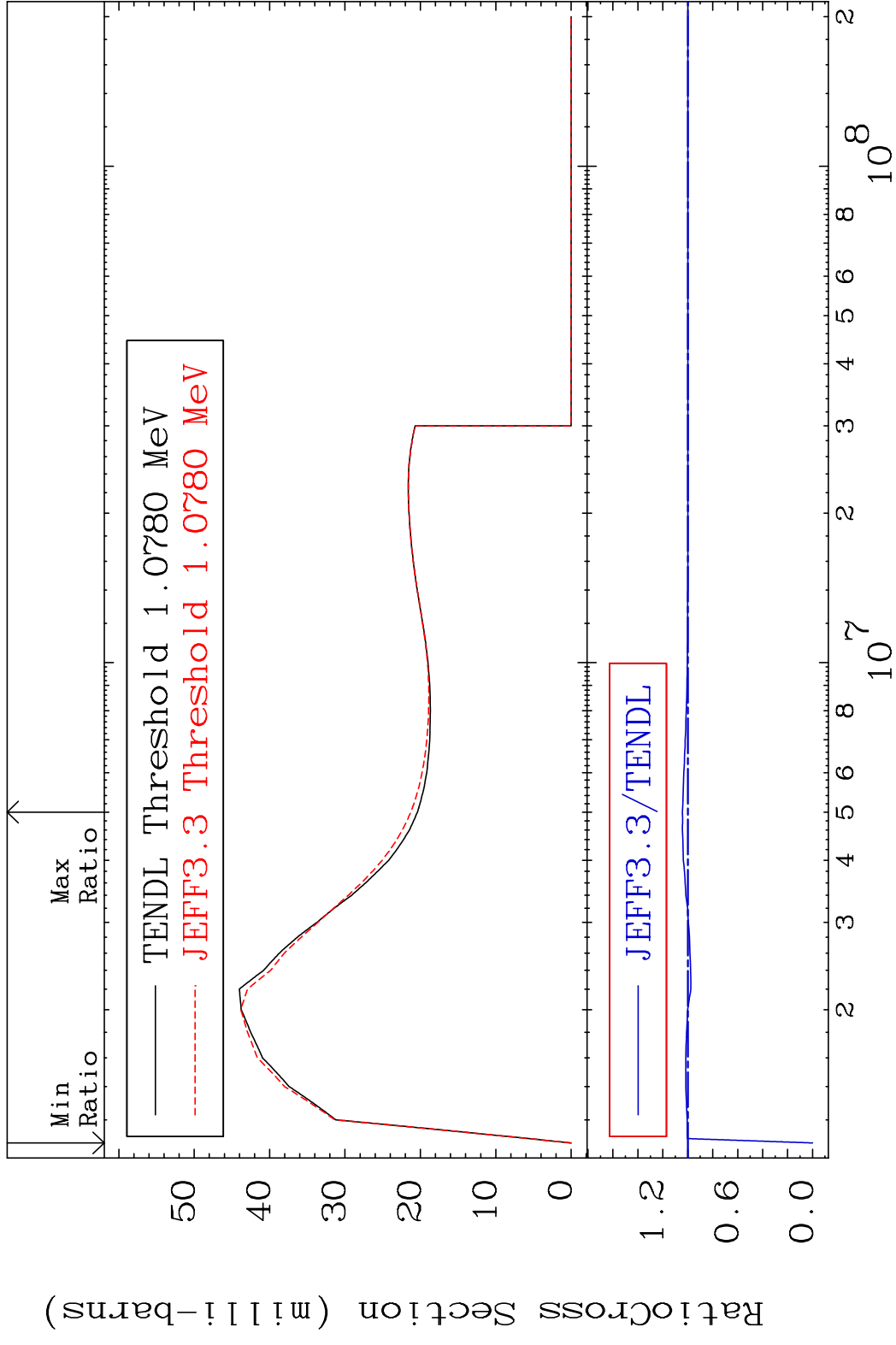


MAT 2319 MT= 59 (n,n') Level 23-V -48  
 Cross Section -100.0 To 30.08 %

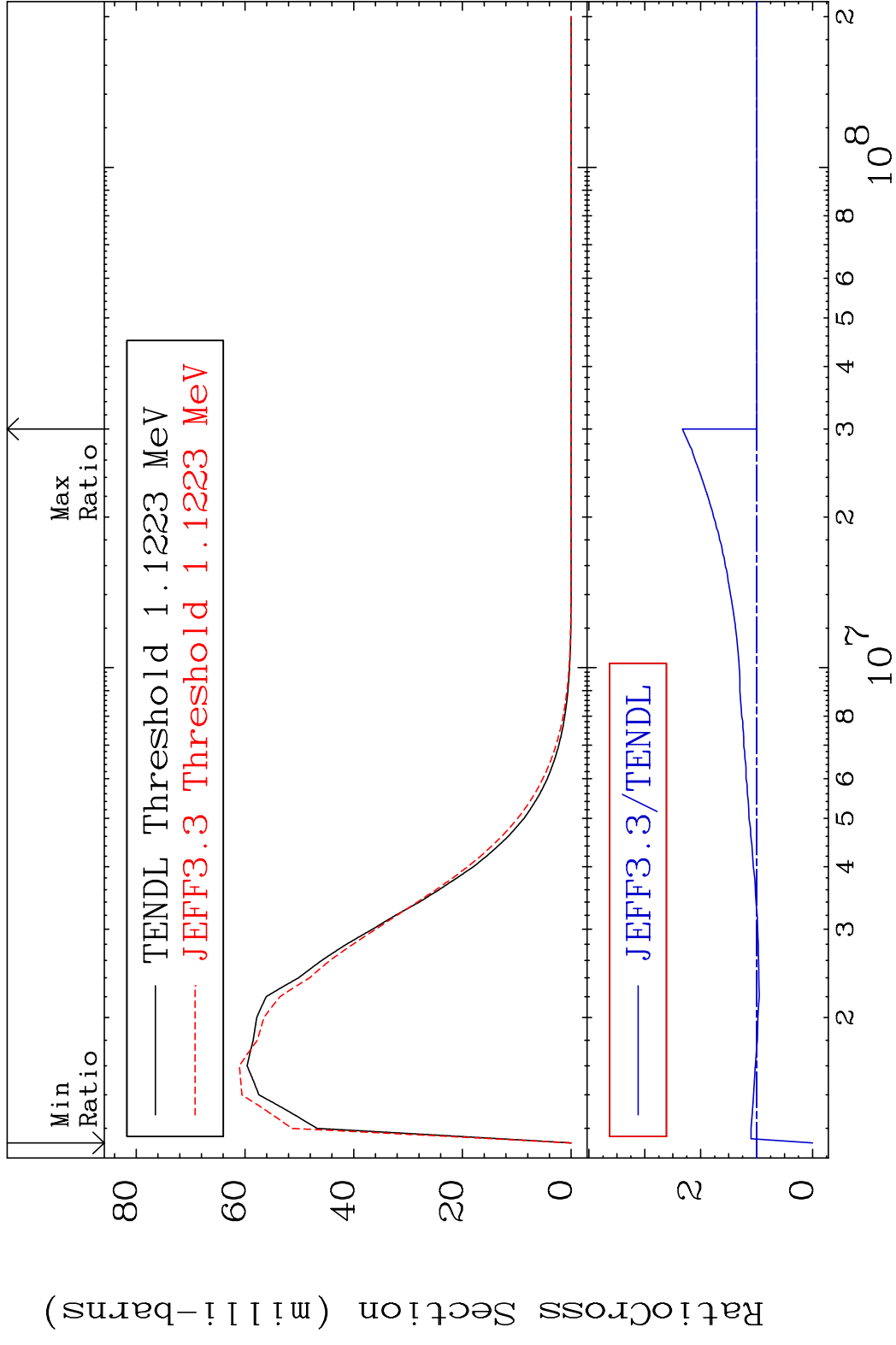


25 Incident Energy (eV) 23-V -48

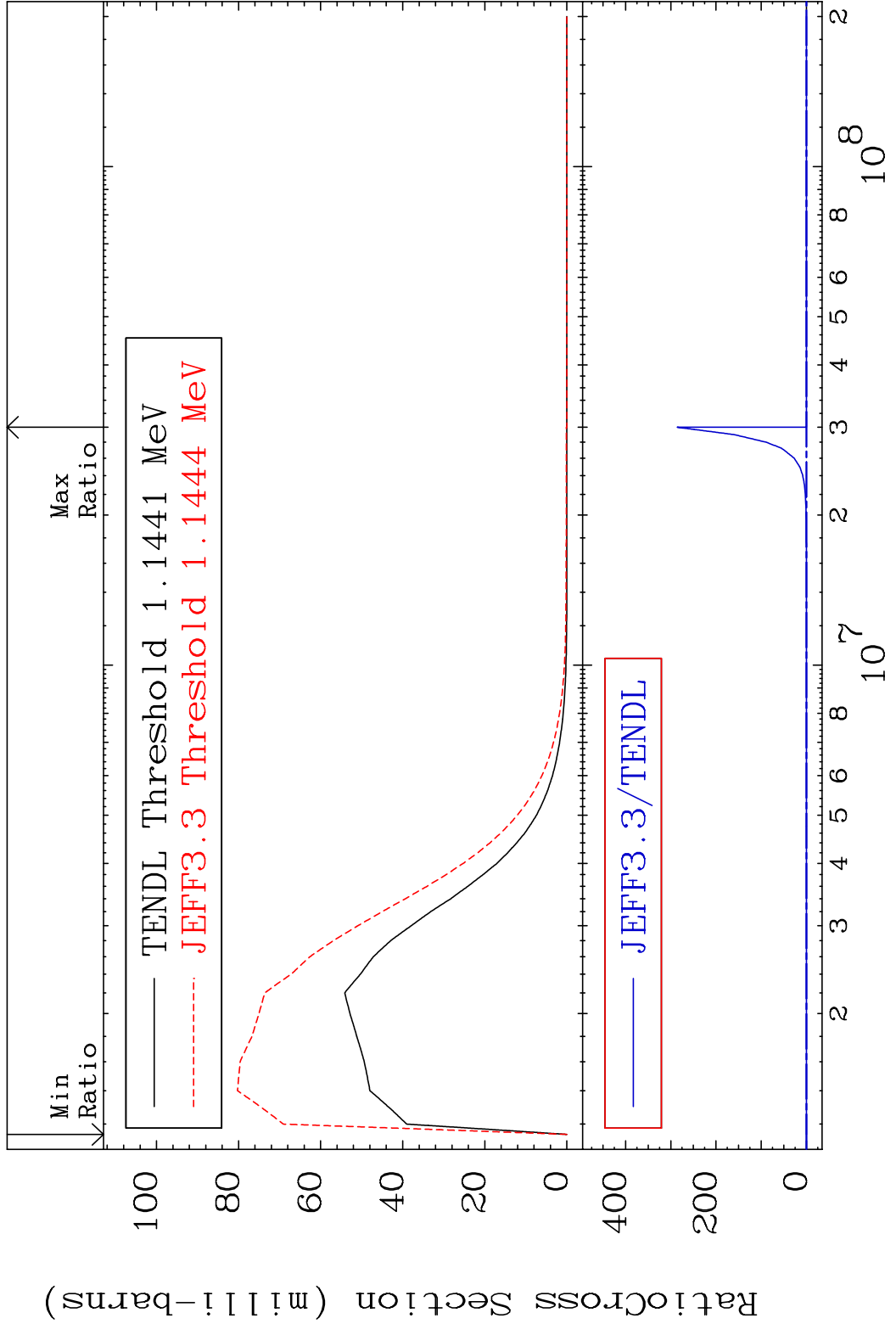
MAT 2319 MT= 60 (n,n') Level 23-V -48  
 Cross Section -100.0 To 4.355 %



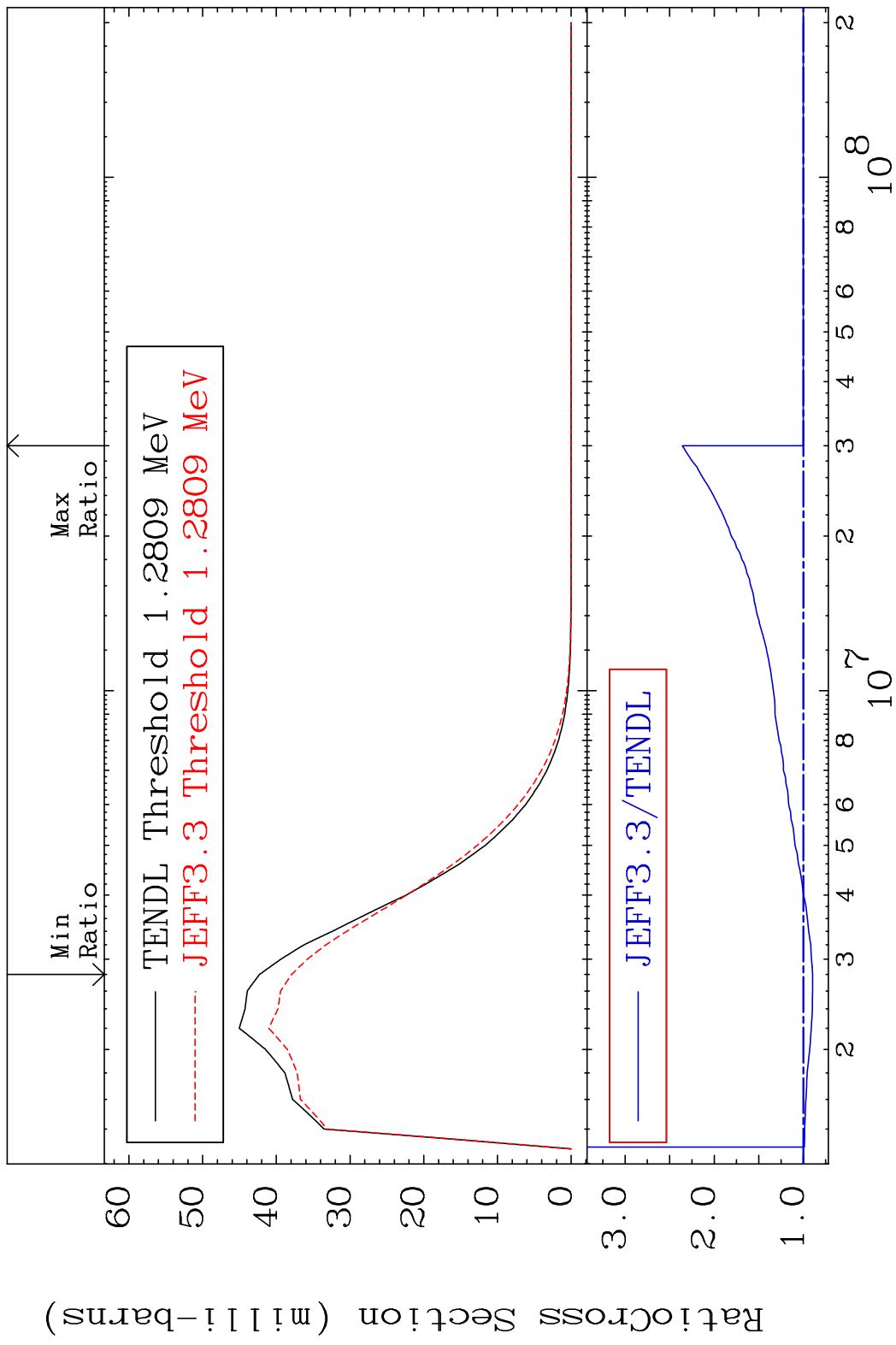
MAT 2319 MT= 61 (n, n') Level 23-V -48  
 Cross Section -100.0 To 132.9 %



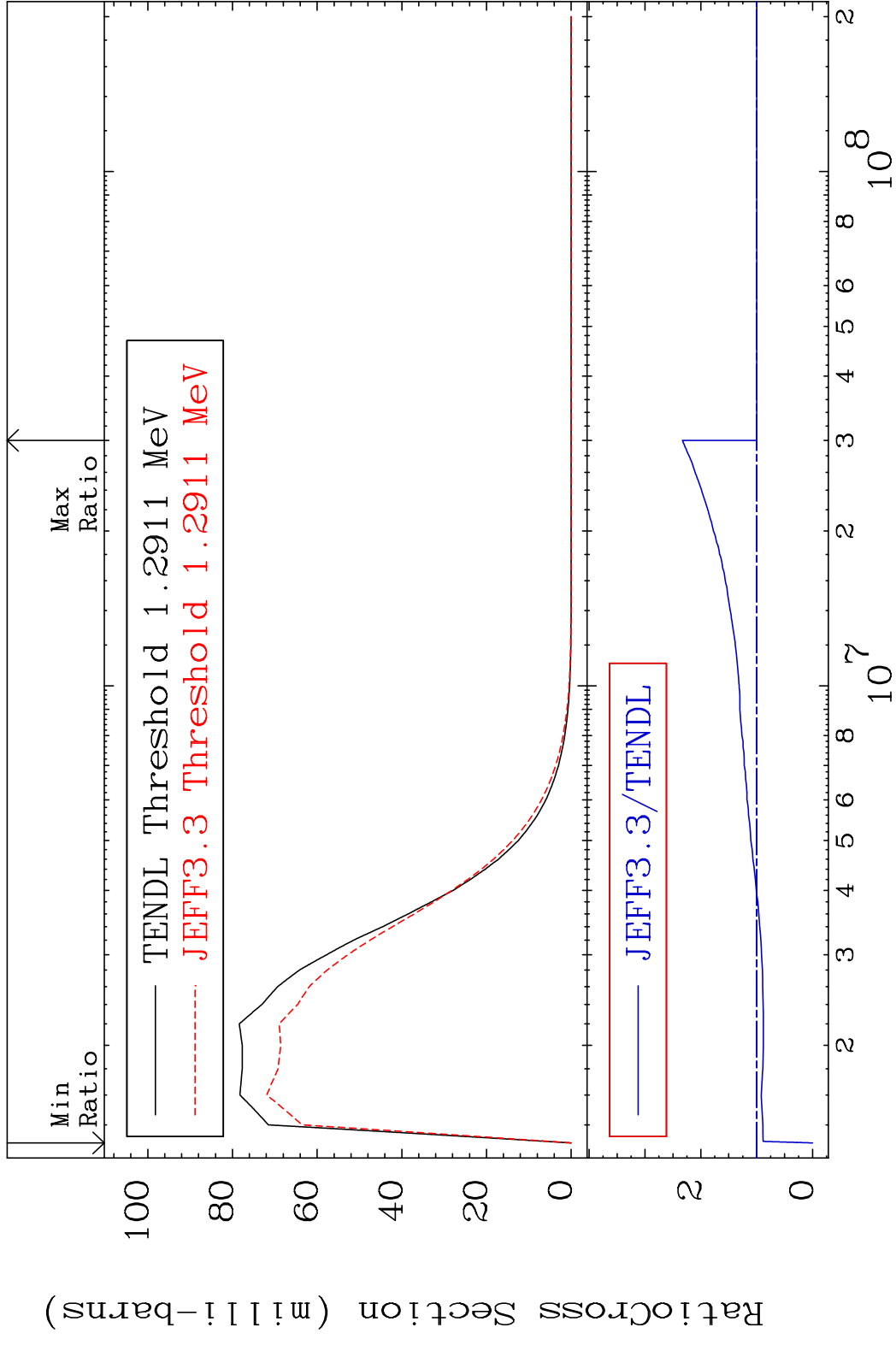
MAT 2319 MT= 62 (n, n') Level 23-V -48  
 Cross Section -100.0 To 9999. %



MAT 2319 MT= 63 (n, n') Level 23-V -48  
 Cross Section -10.31 To 135.8 %

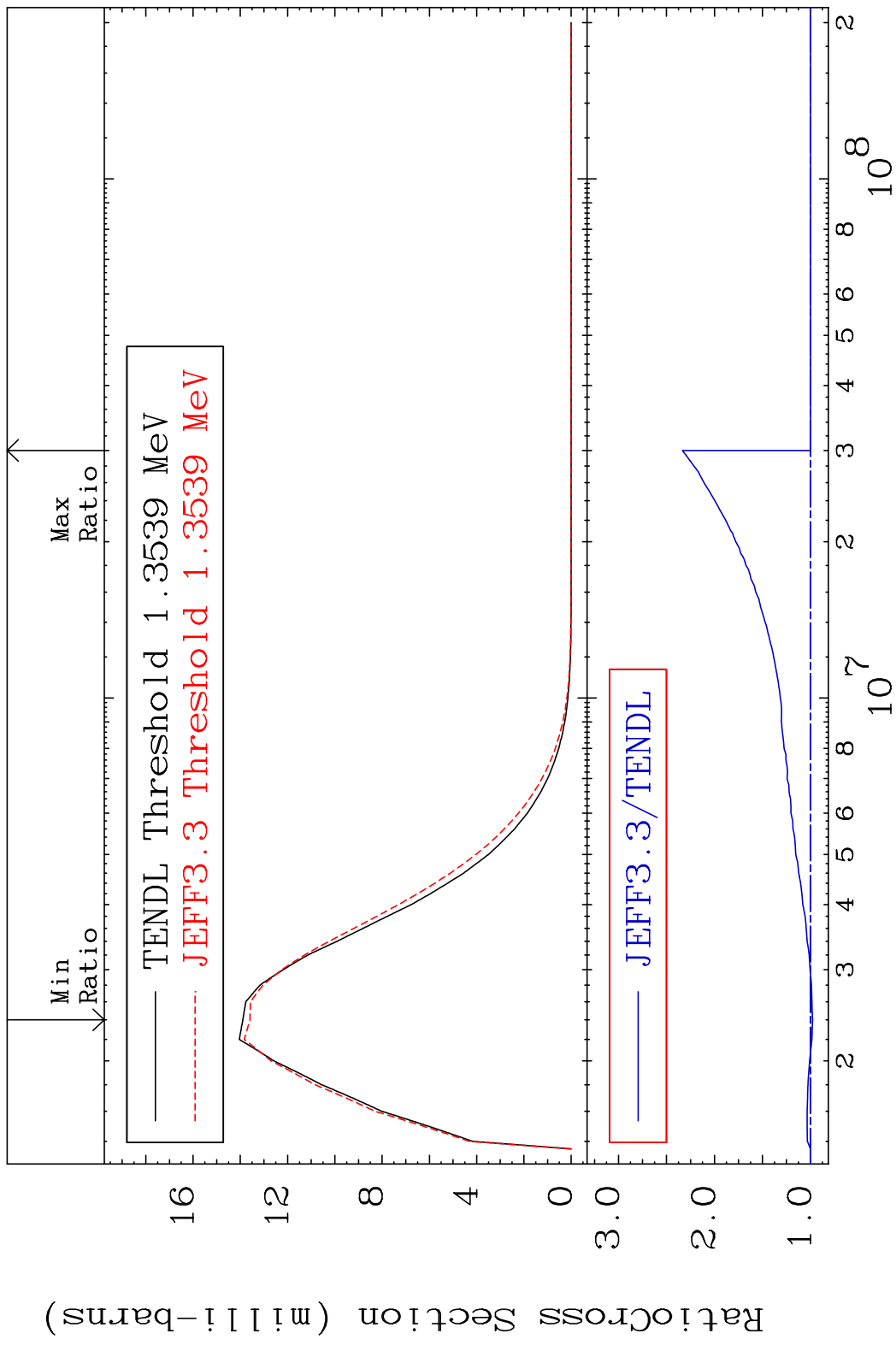


MAT 2319 MT= 64 (n, n') Level 23-V -48  
 Cross Section -100.0 To 133.1 %



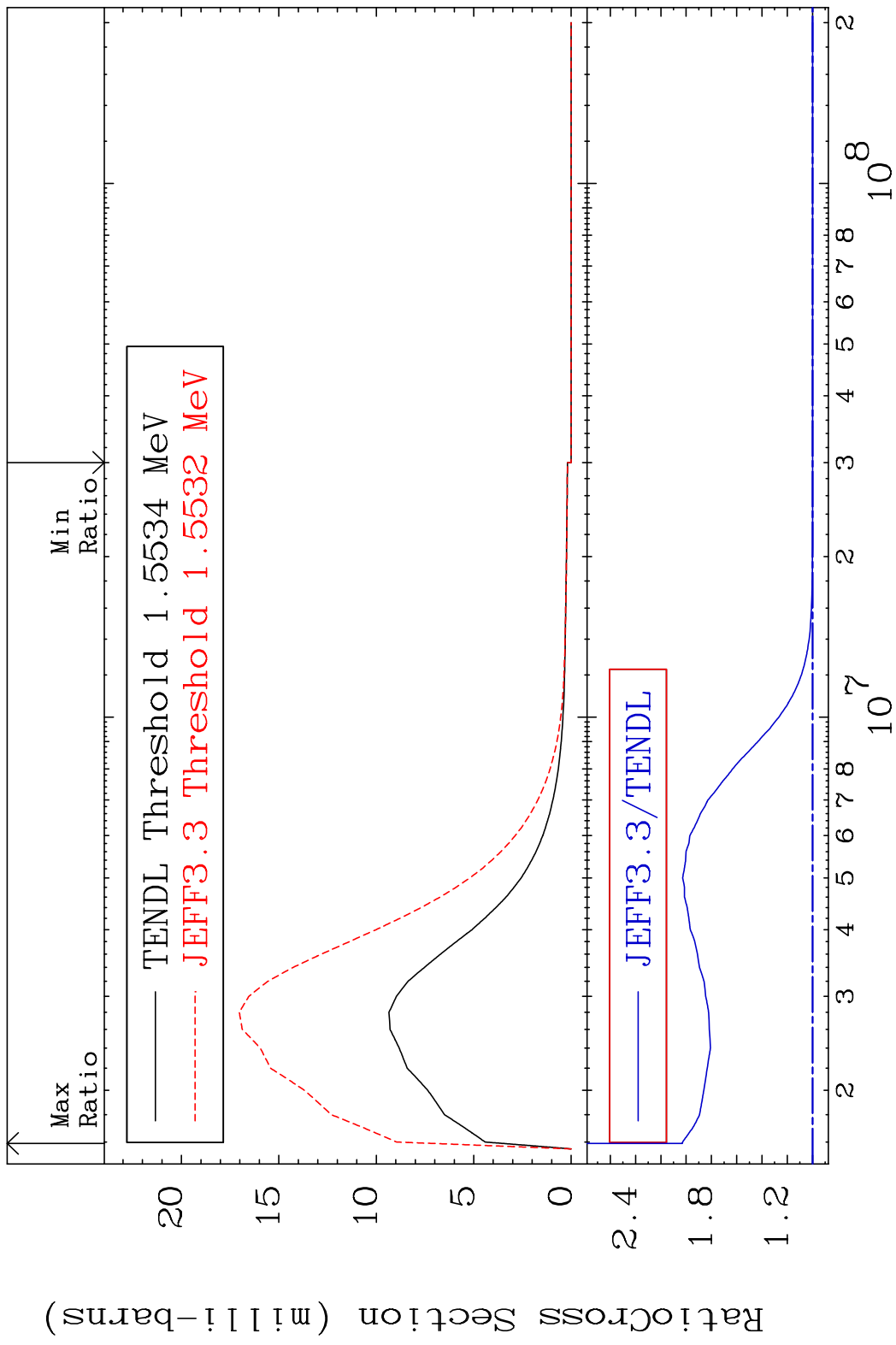
30 Incident Energy (eV) 23-V -48

MAT 2319 MT= 65 (n,n') Level 23-V -48  
 Cross Section -2.163 To 133.5 %

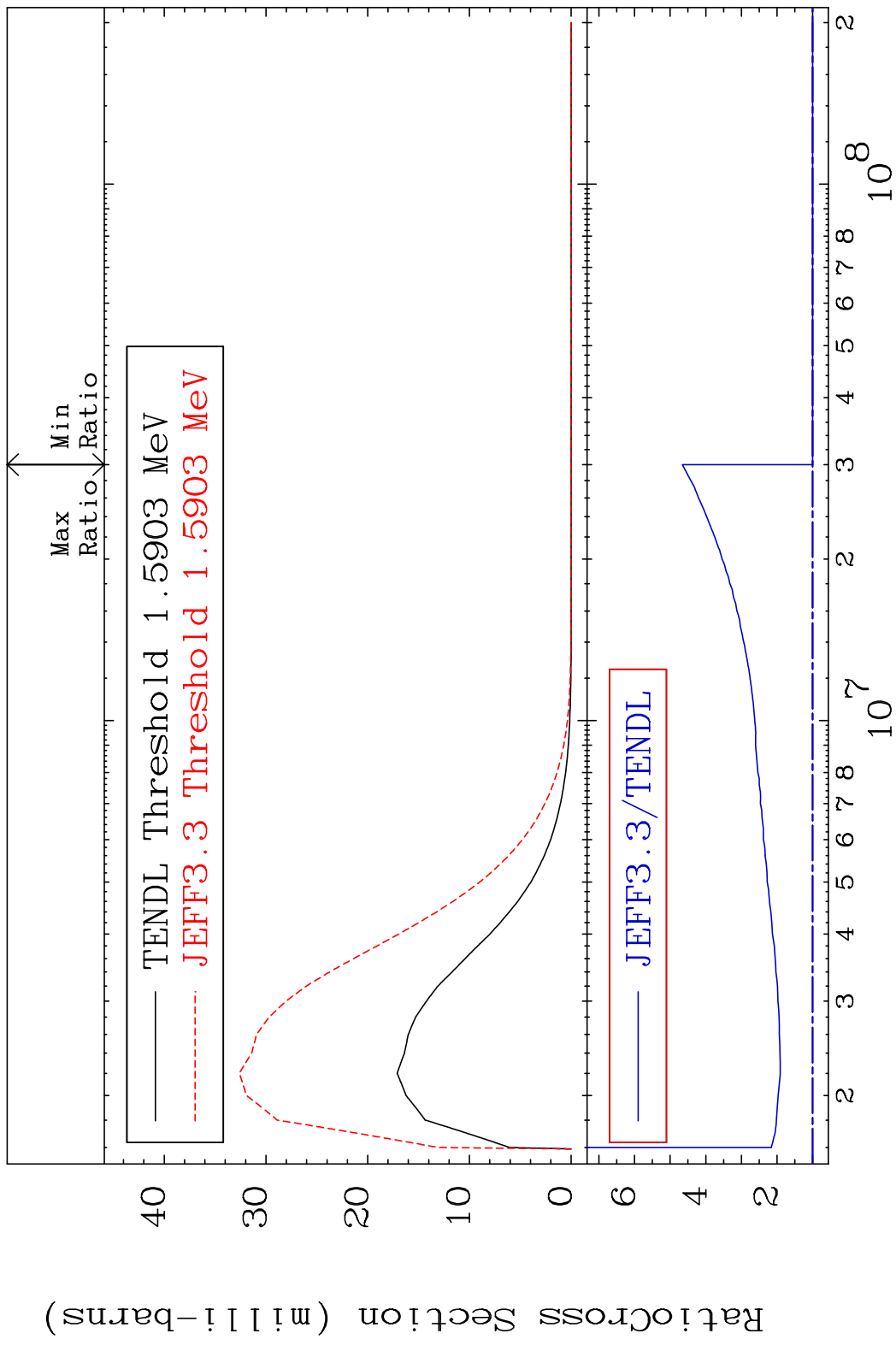




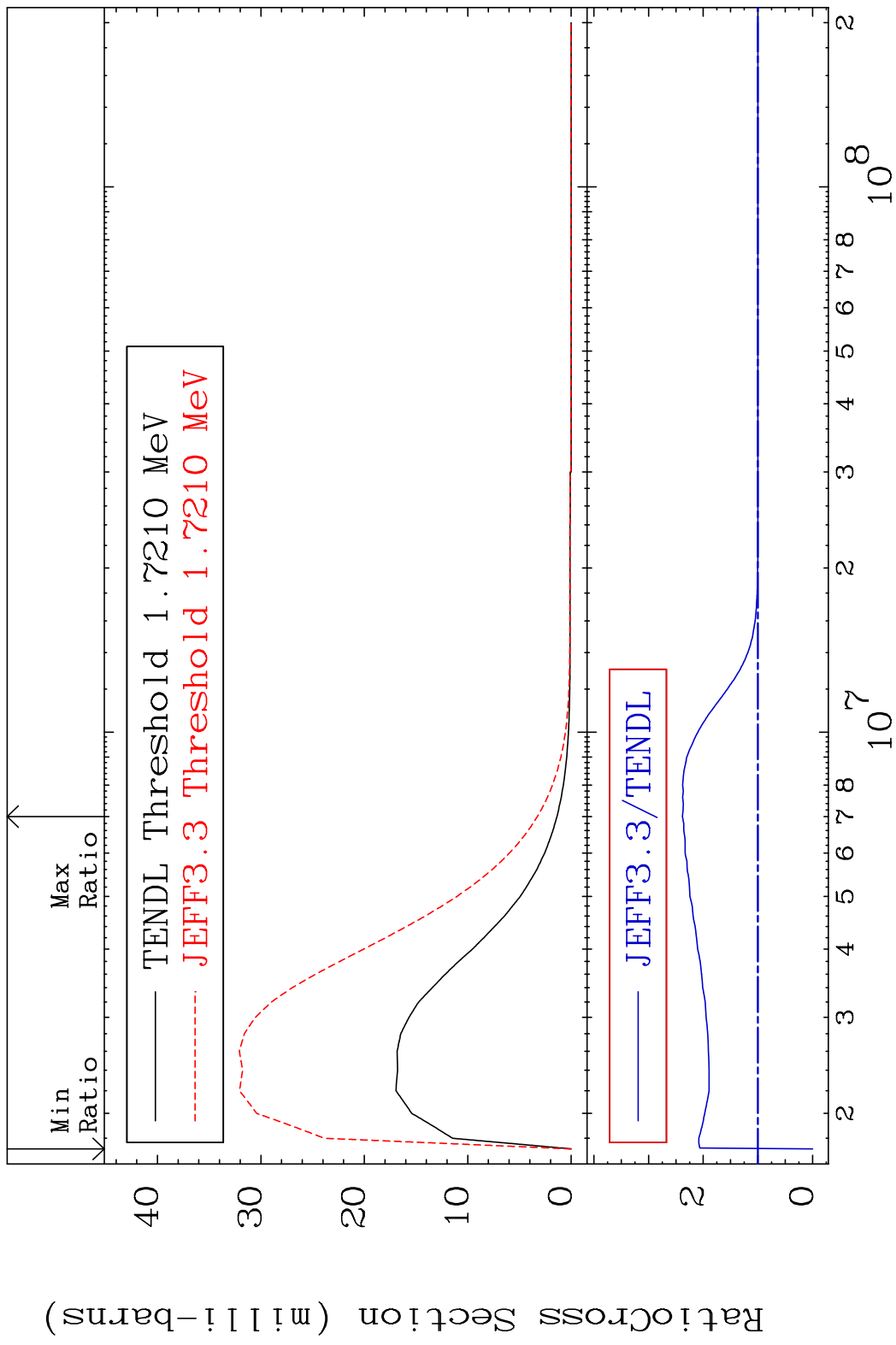
MAT 2319 MT= 66 (n, n') Level 23-V -48  
 Cross Section 0.000 To 103.0 %



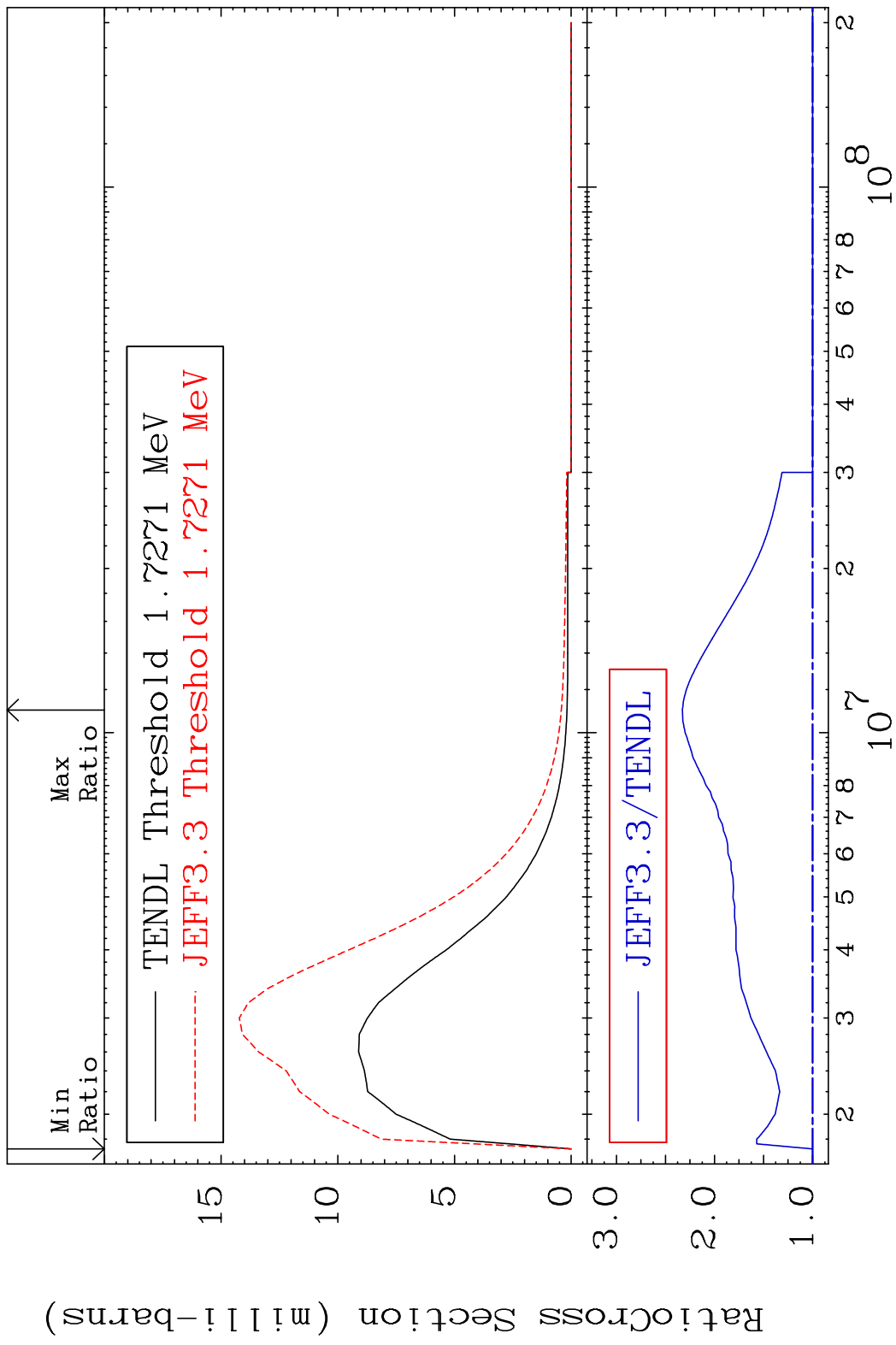
MAT 2319 MT= 67 (n, n') Level 23-V -48  
 Cross Section 0.000 To 365.8 %



MAT 2319 MT= 68 (n, n') Level 23-V -48  
 Cross Section -100.0 To 138.2 %

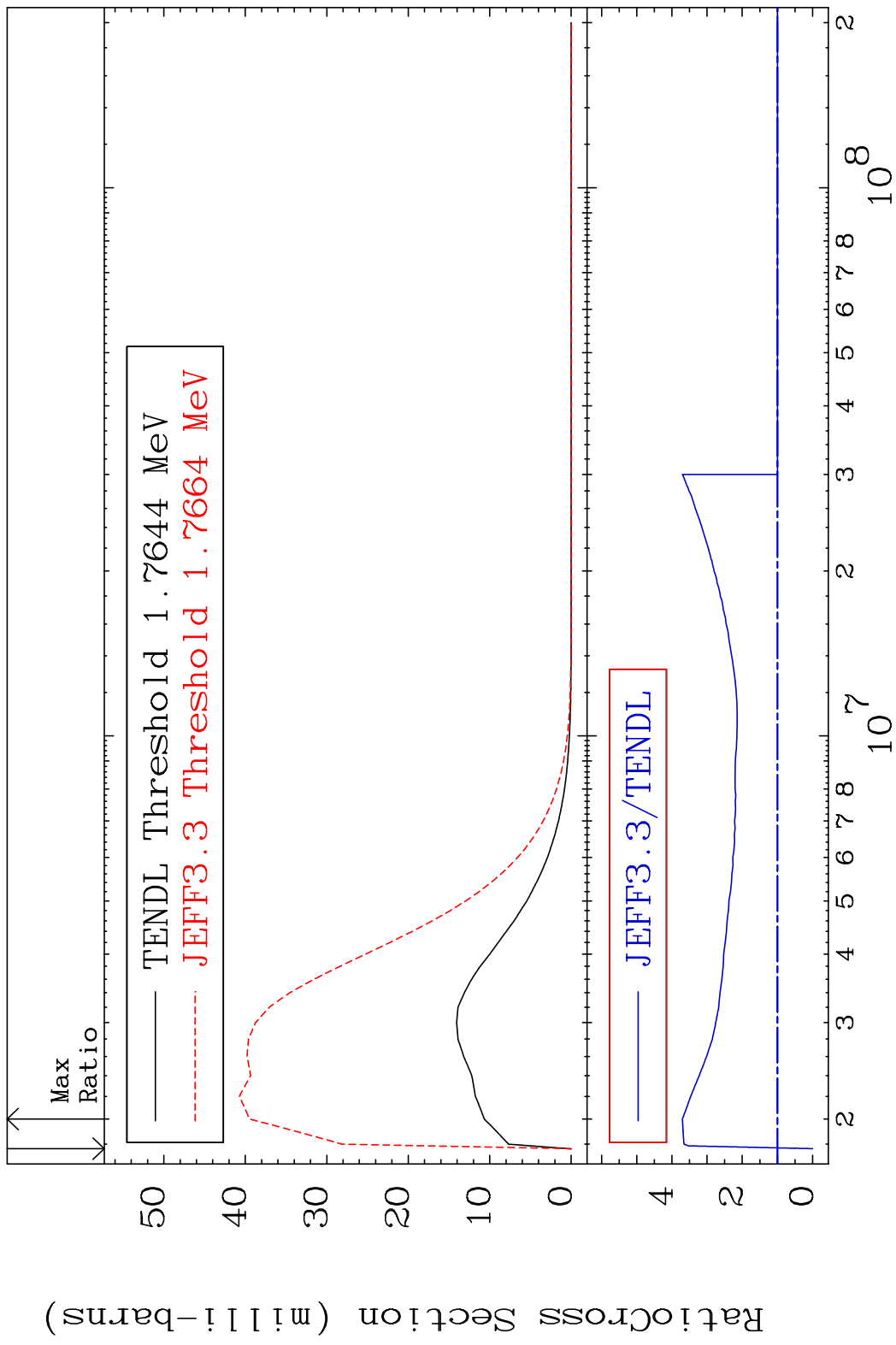


MAT 2319 MT= 69 (n,n') Level 23-V -48  
 Cross Section 0.000 To 132.7 %

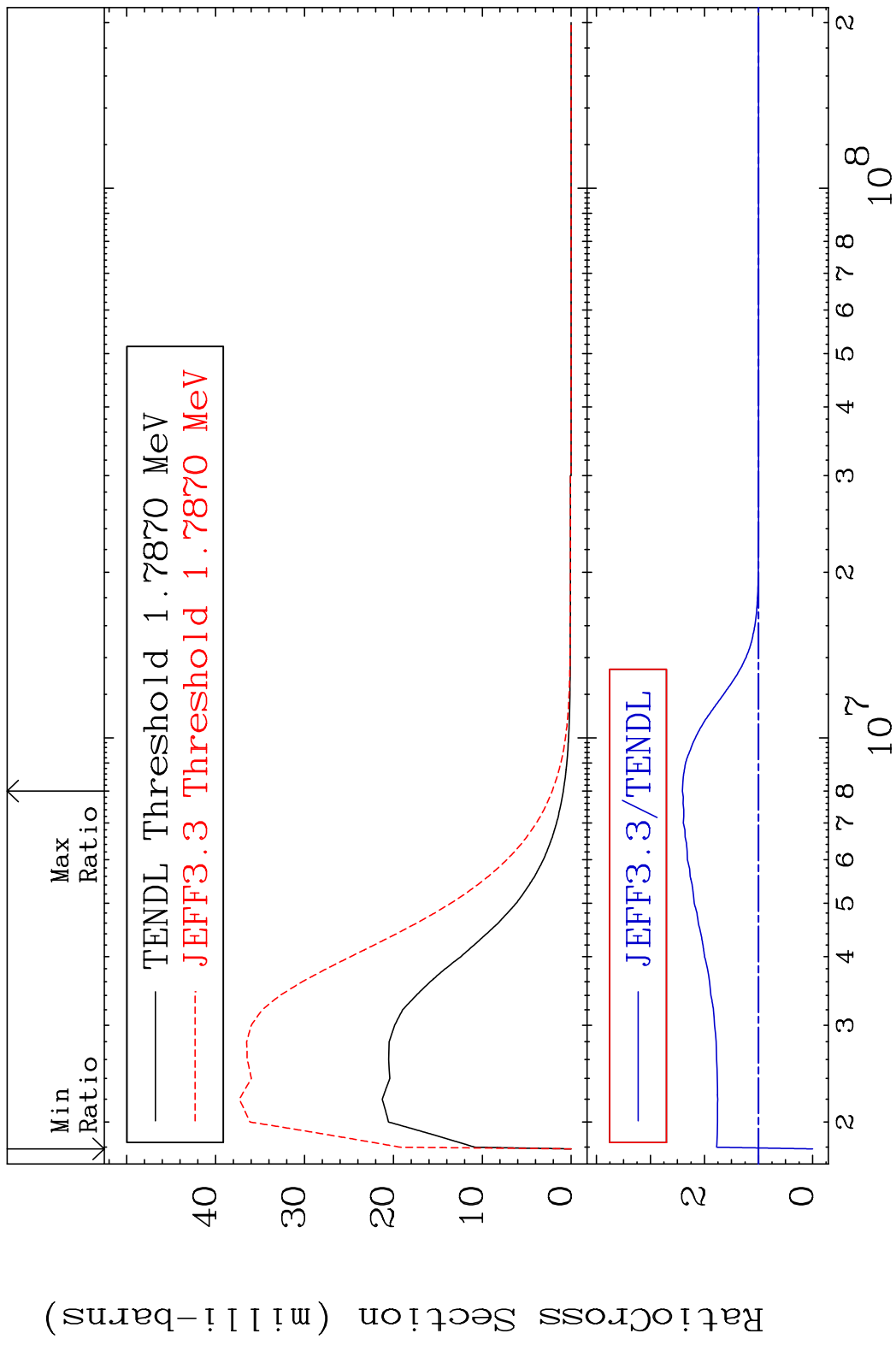


35 Incident Energy (eV) 23-V -48

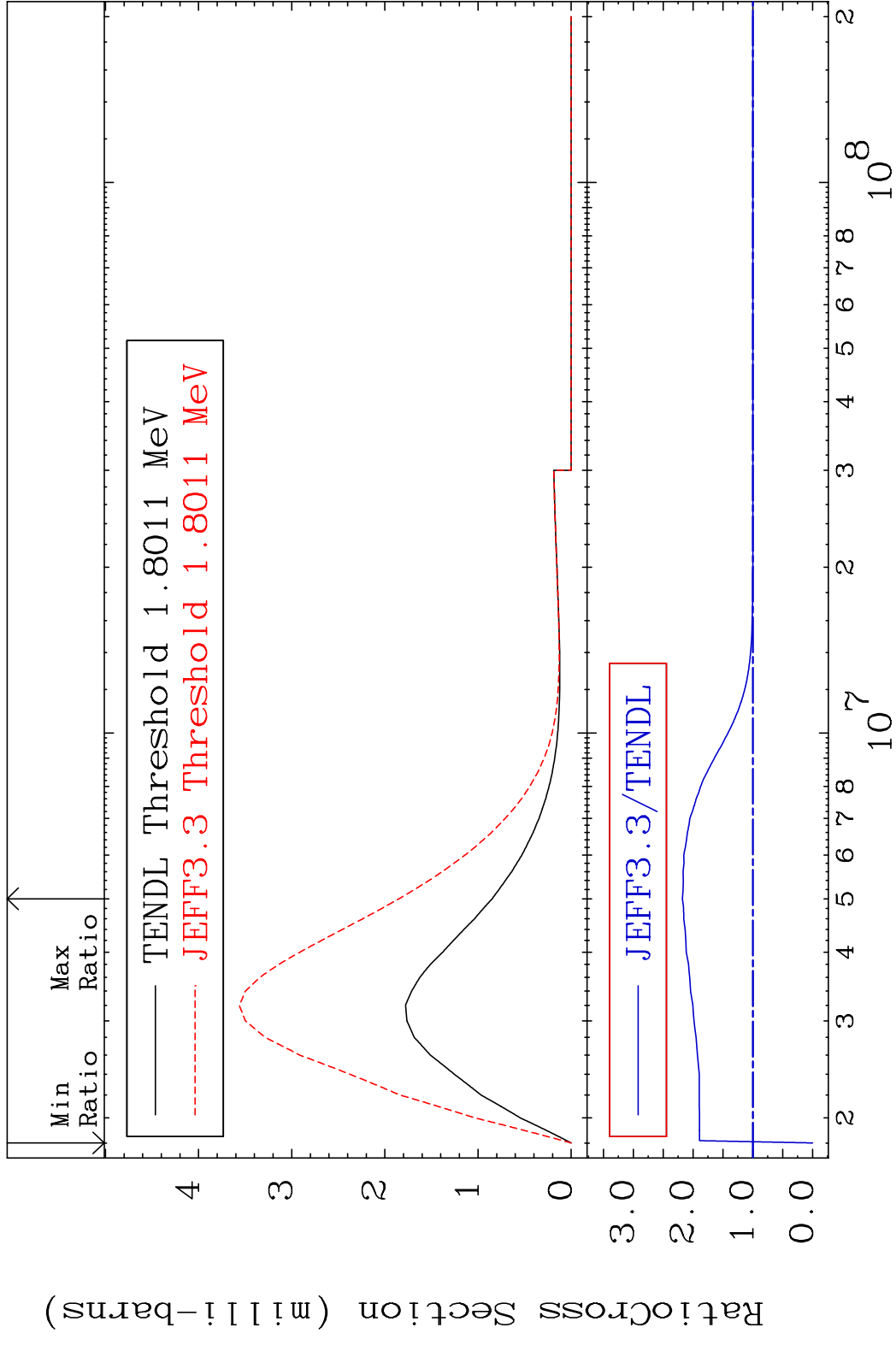
MAT 2319 MT= 70 (n, n') Level 23-V -48  
 Cross Section -100.0 To 270.3 %



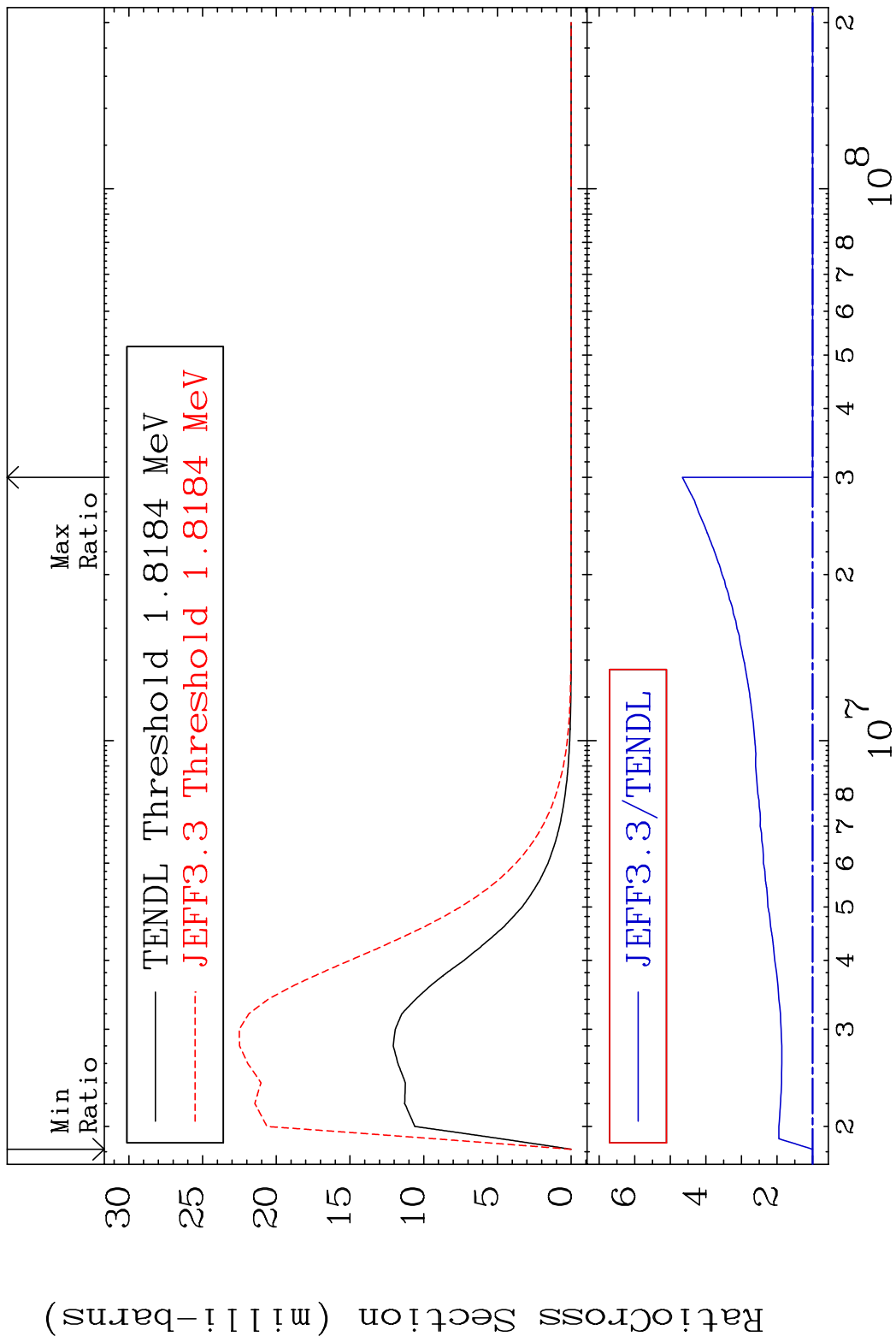
MAT 2319 MT= 71 (n, n') Level 23-V -48  
 Cross Section -100.0 To 141.0 %



MAT 2319 MT= 72 (n, n') Level 23-V -48  
 Cross Section -100.0 To 117.9 %



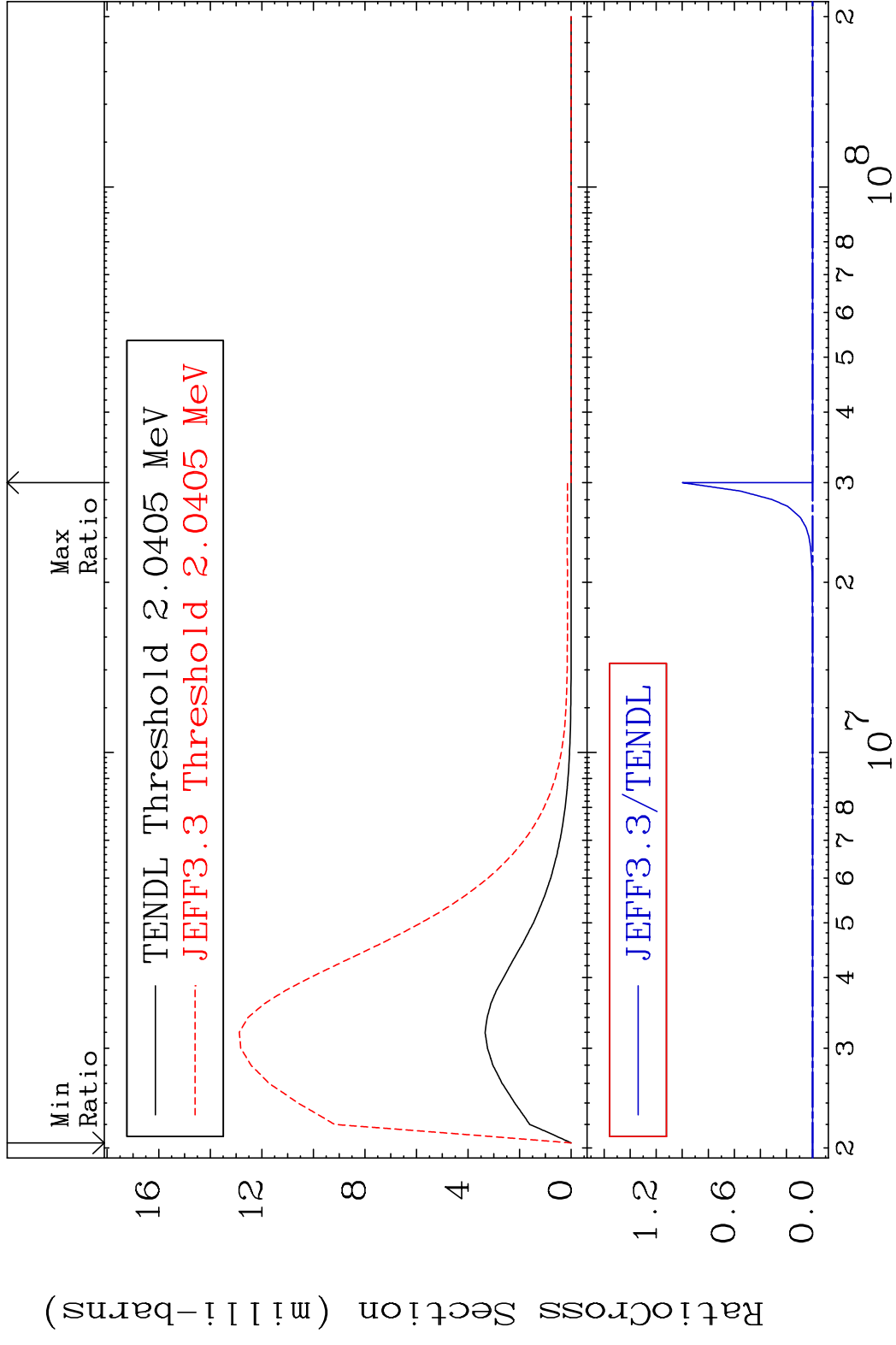
MAT 2319 MT= 73 (n, n') Level 23-V -48  
 Cross Section 0.000 To 366.2 %



39 Incident Energy (eV) 23-V -48

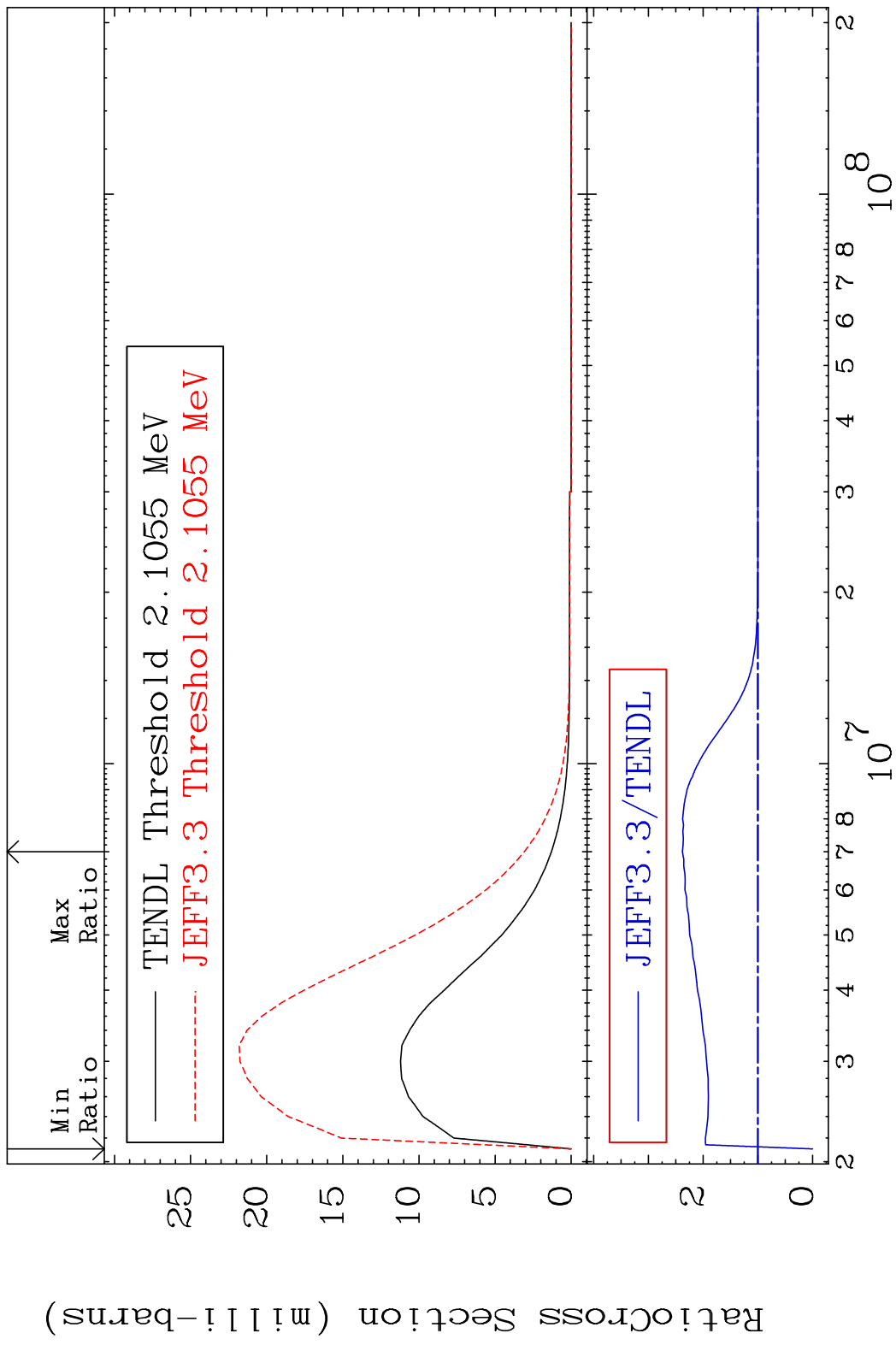


MAT 2319 MT= 74 (n, n') Level 23-V -48  
 Cross Section -100.0 To 9999. %



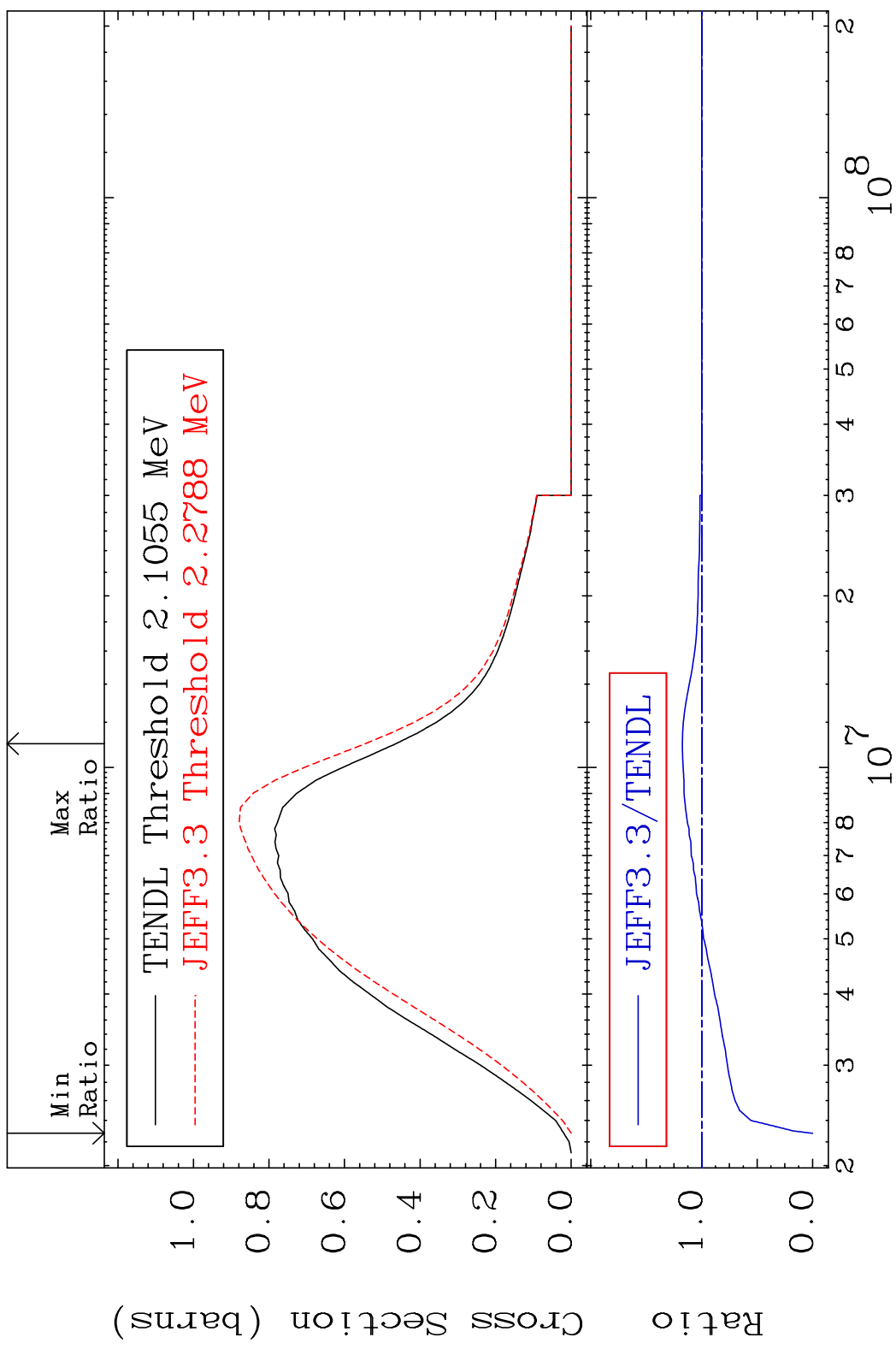
40 Incident Energy (eV) 23-V -48

MAT 2319 MT= 75 (n, n') Level 23-V -48  
 Cross Section -100.0 To 138.1 %



MAT 2319

(n,n') Continuum 23-V -48  
Cross Section -100.0 To 17.43 %



42

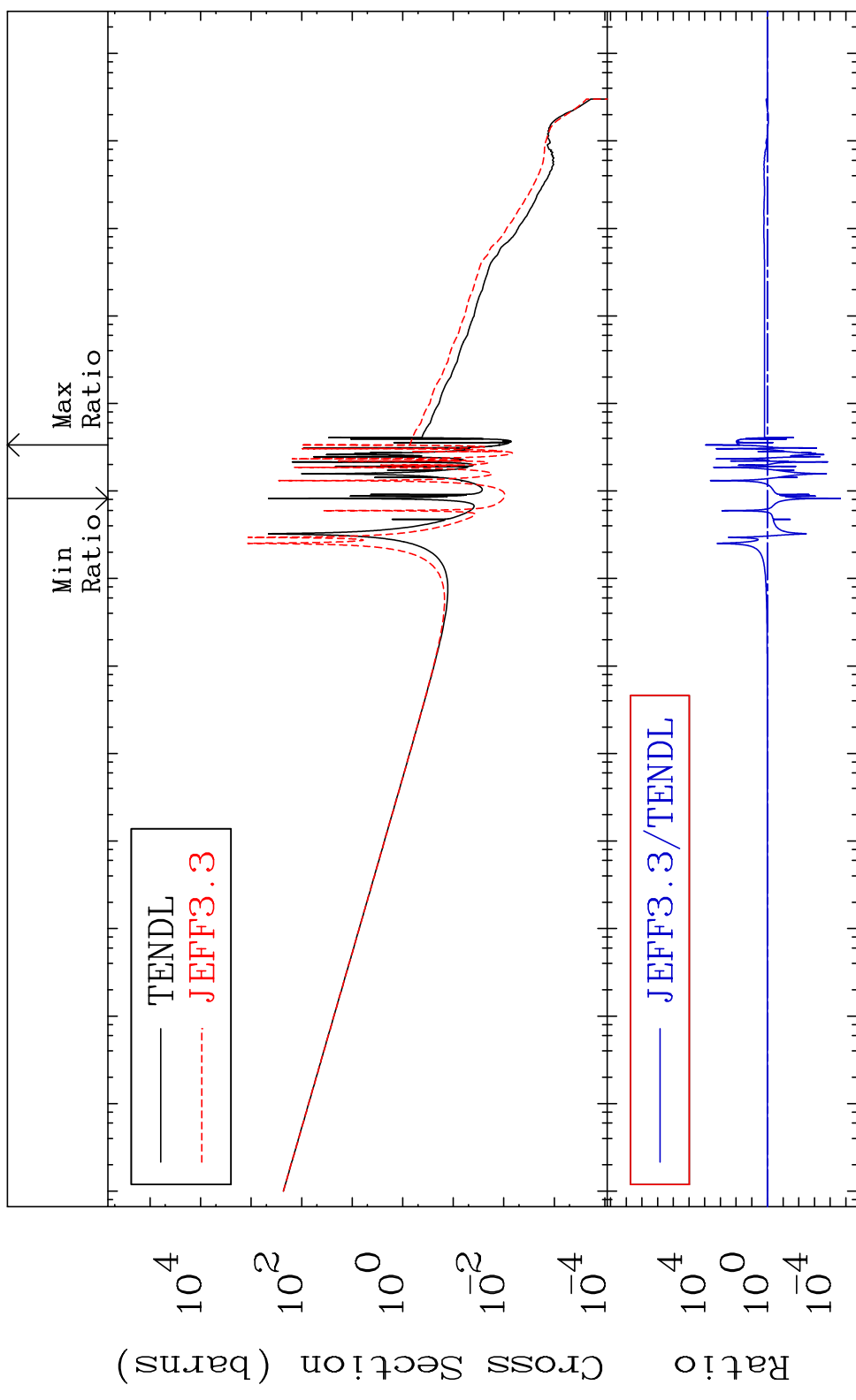
Incident Energy (eV) 23-V -48

MAT 2319

23-V -48

(n,  $\gamma$ )

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

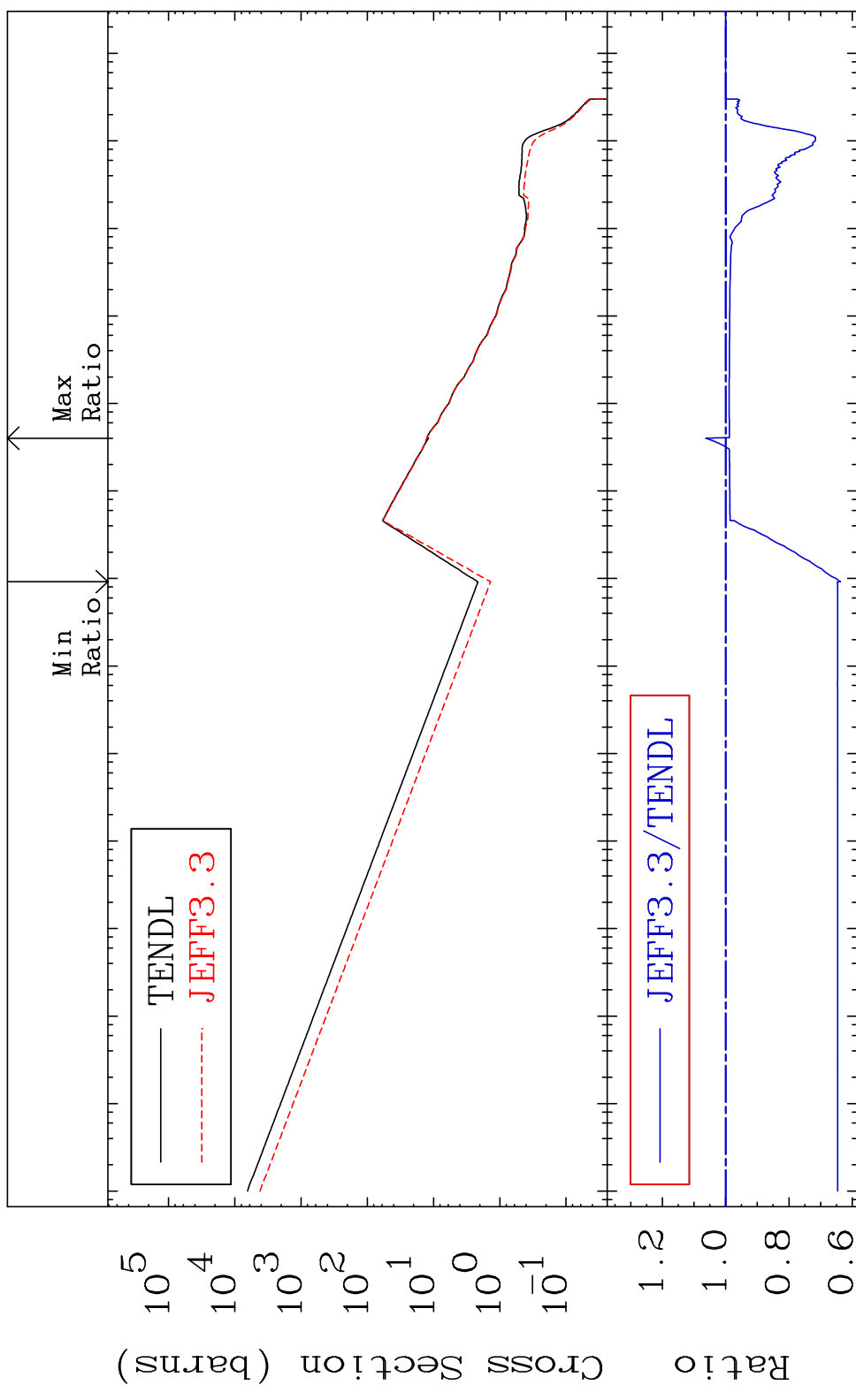
23-V -48

MAT 2319

(n, p)

23-V -48

Cross Section -36.28 To 6.309 %



44

Incident Energy (eV)

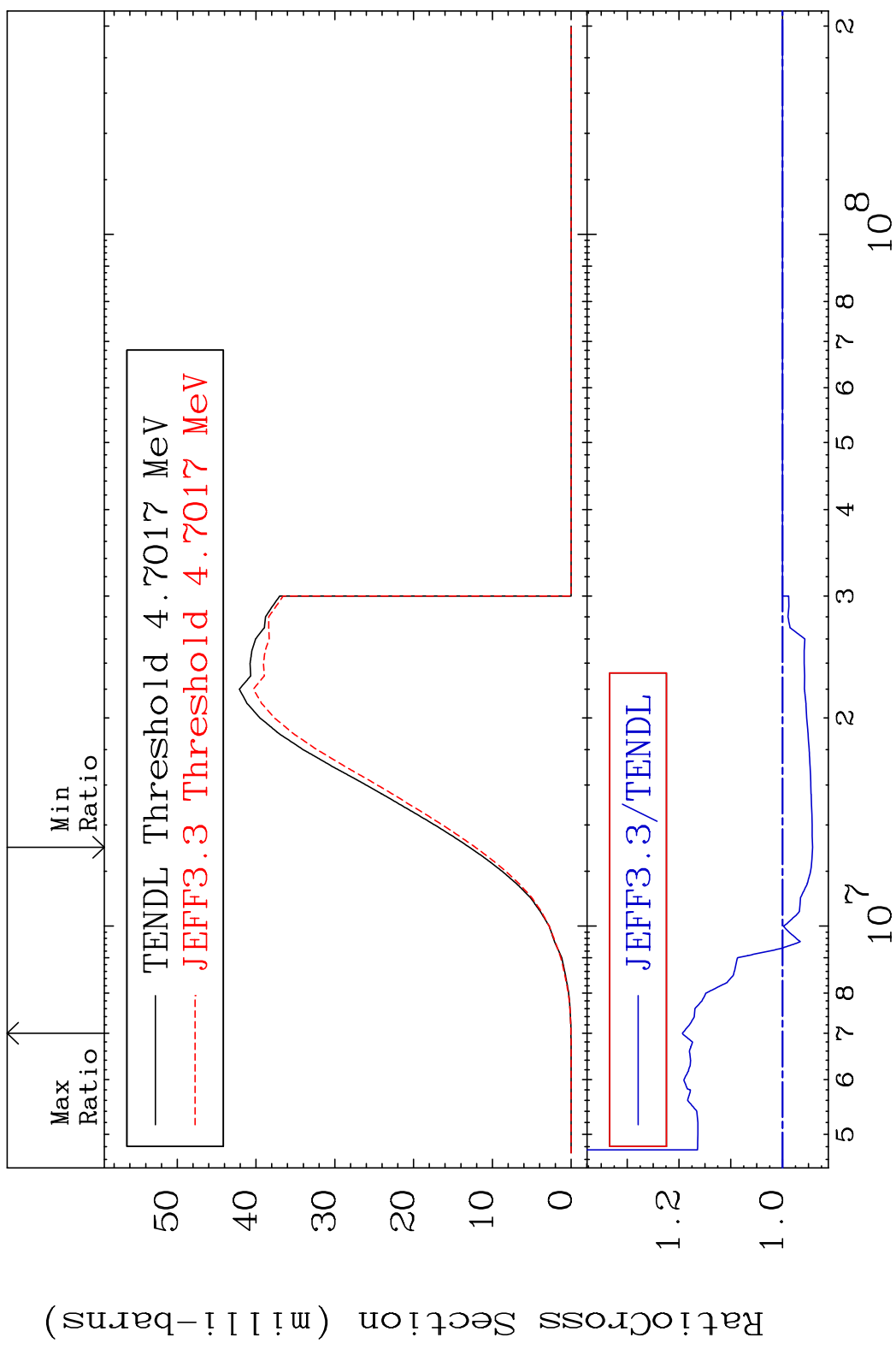
23-V -48

MAT 2319

(n, d)

23-V -48

Cross Section -5.783 To 19.35 %

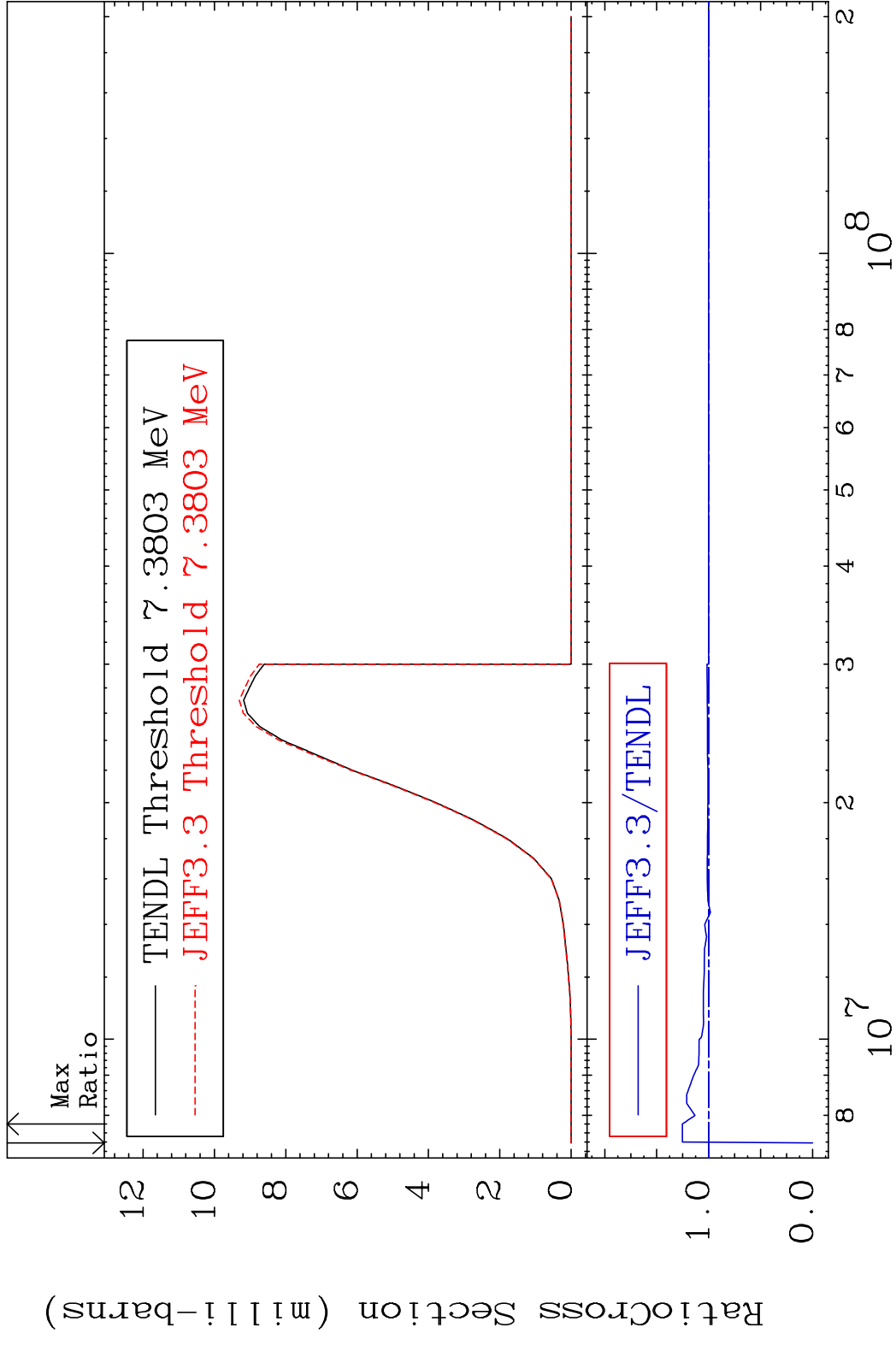


45

Incident Energy (eV)

23-V -48

MAT 2319 (n, t) 23-V -48  
 Cross Section -100.0 To 25.33 %



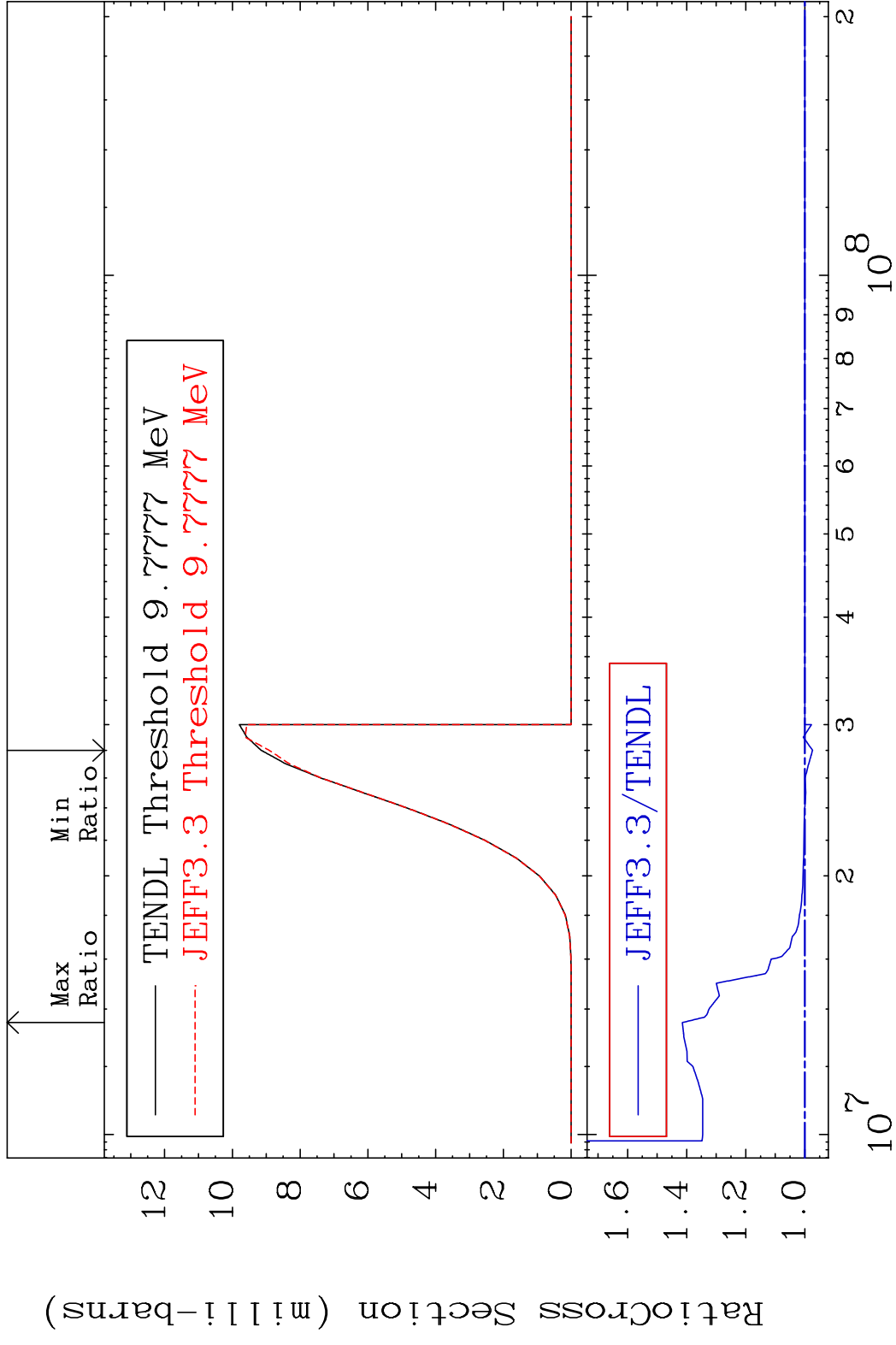
46 23-V -48

MAT 2319

(n, He-3)

23-V -48

Cross Section -2.613 To 41.45 %



47

Incident Energy (eV)

23-V -48

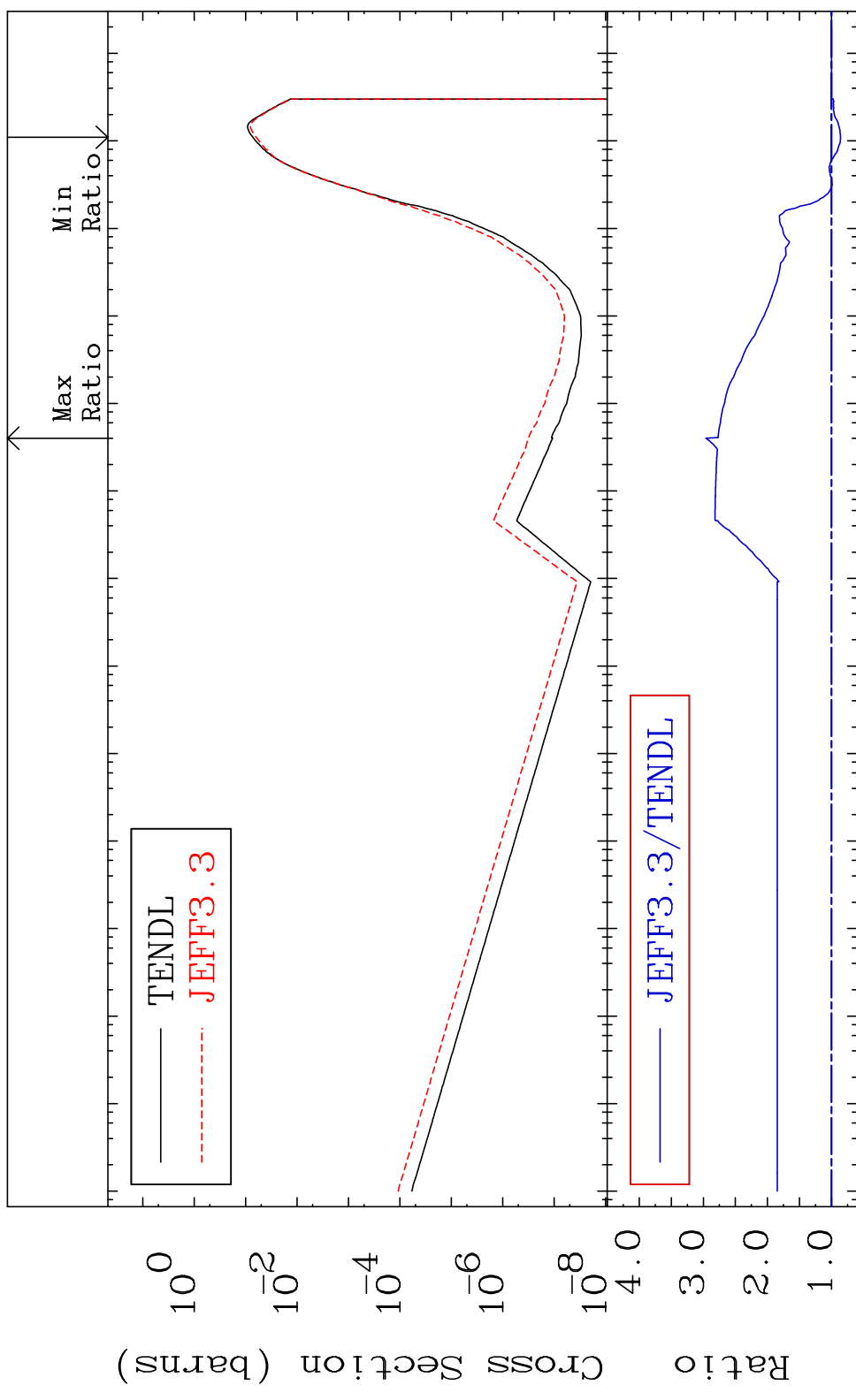


MAT 2319

(n,  $\alpha$ )

23-V -48

Cross Section -13.99 To 196.2 %



48

Incident Energy (eV)

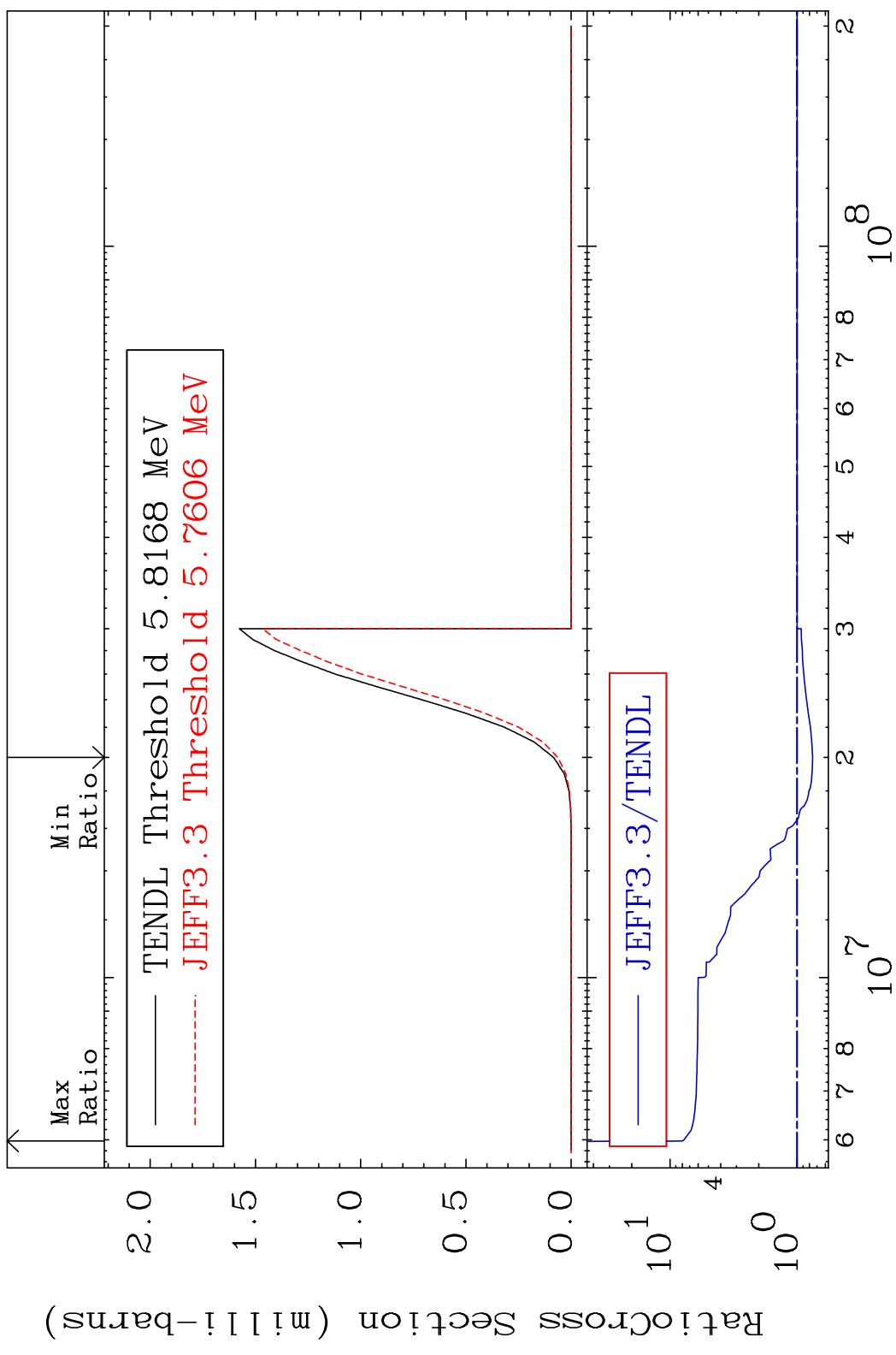
23-V -48

MAT 2319

(n,2α)

23-V -48

Cross Section -24.34 To 699.9 %



49

Incident Energy (eV)

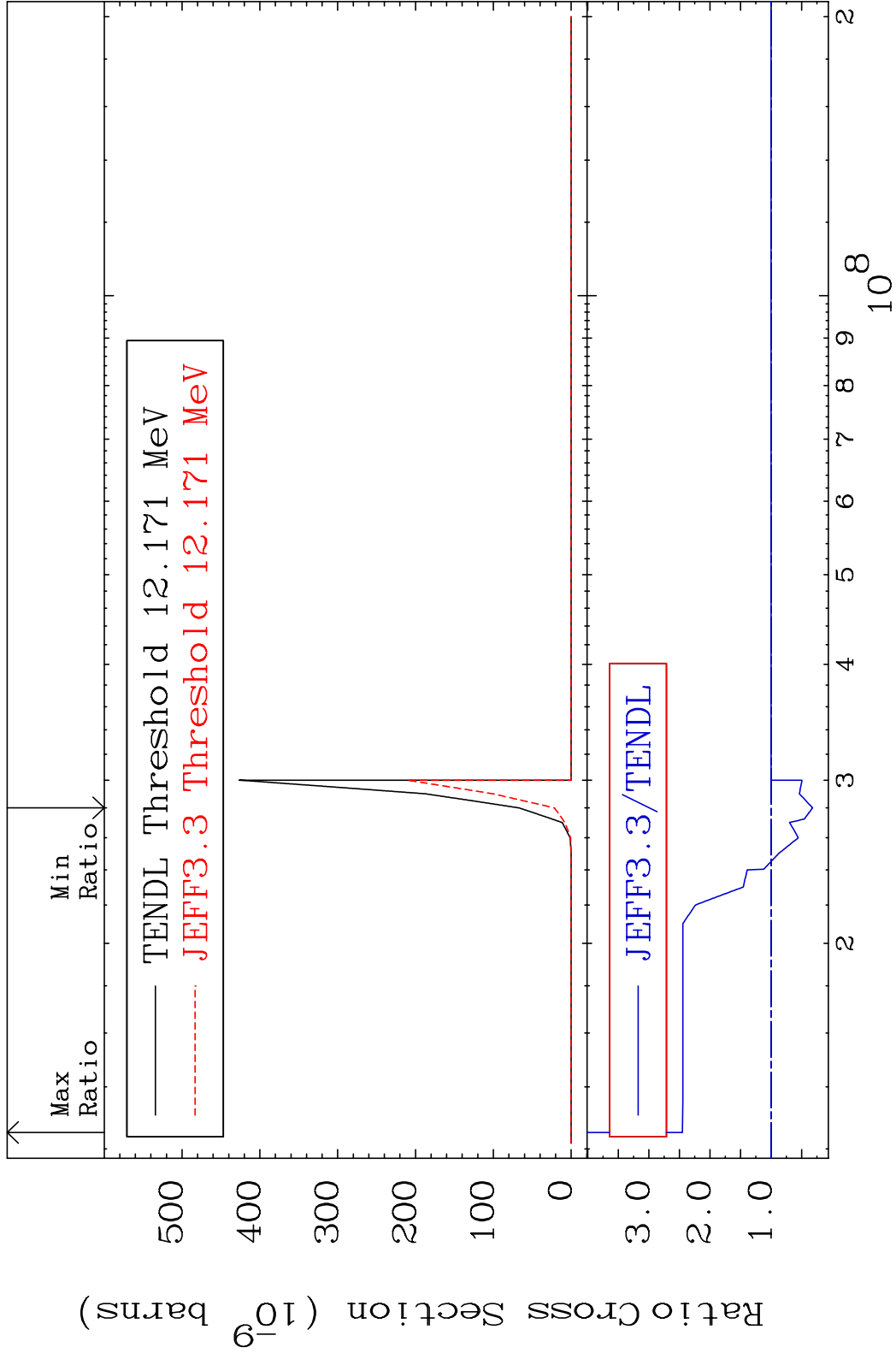
23-V -48

MAT 2319

(n,3α)

23-V -48

Cross Section -67.80 To 145.2 %



50

Incident Energy (eV)

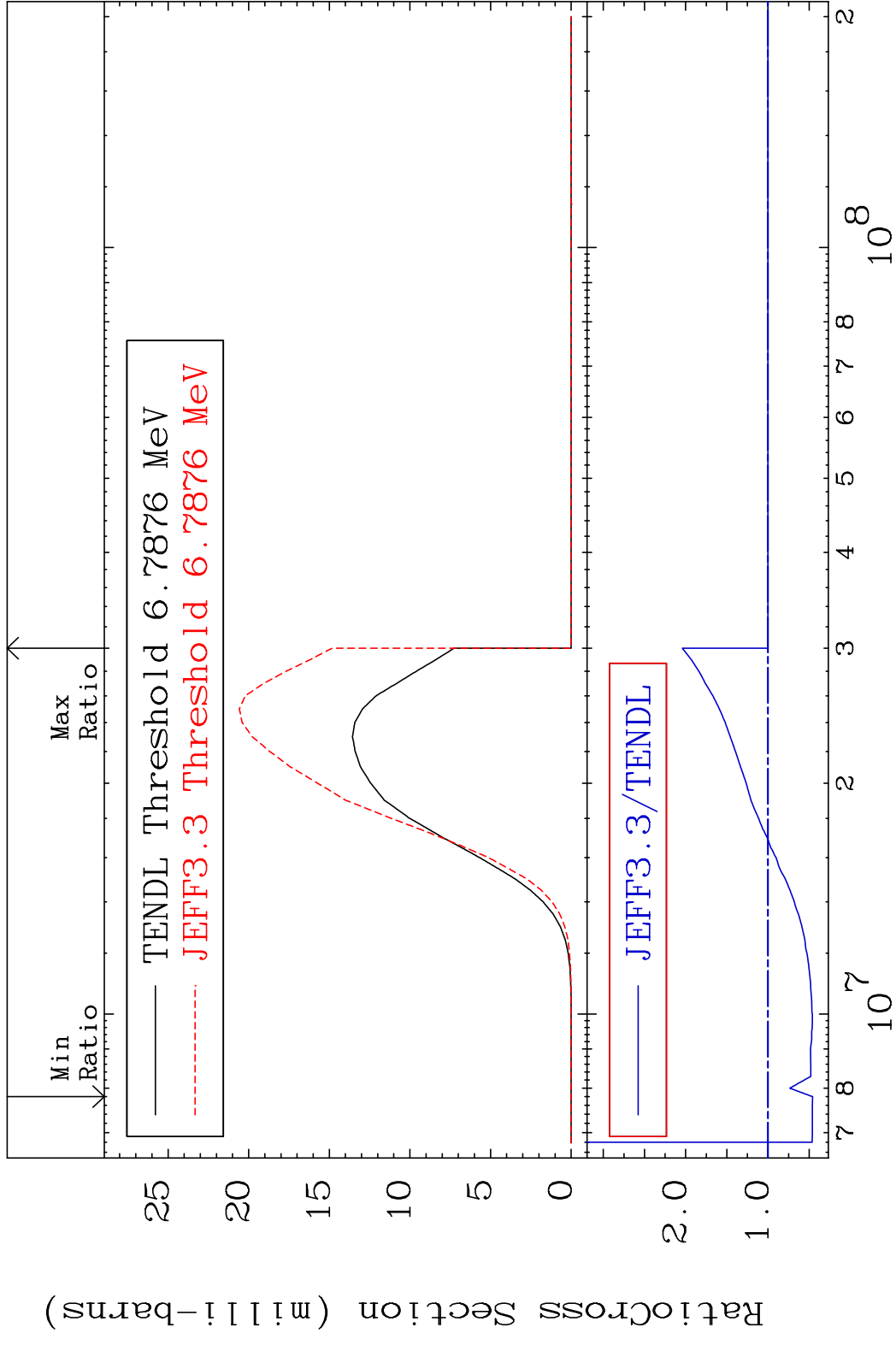
23-V -48

MAT 2319

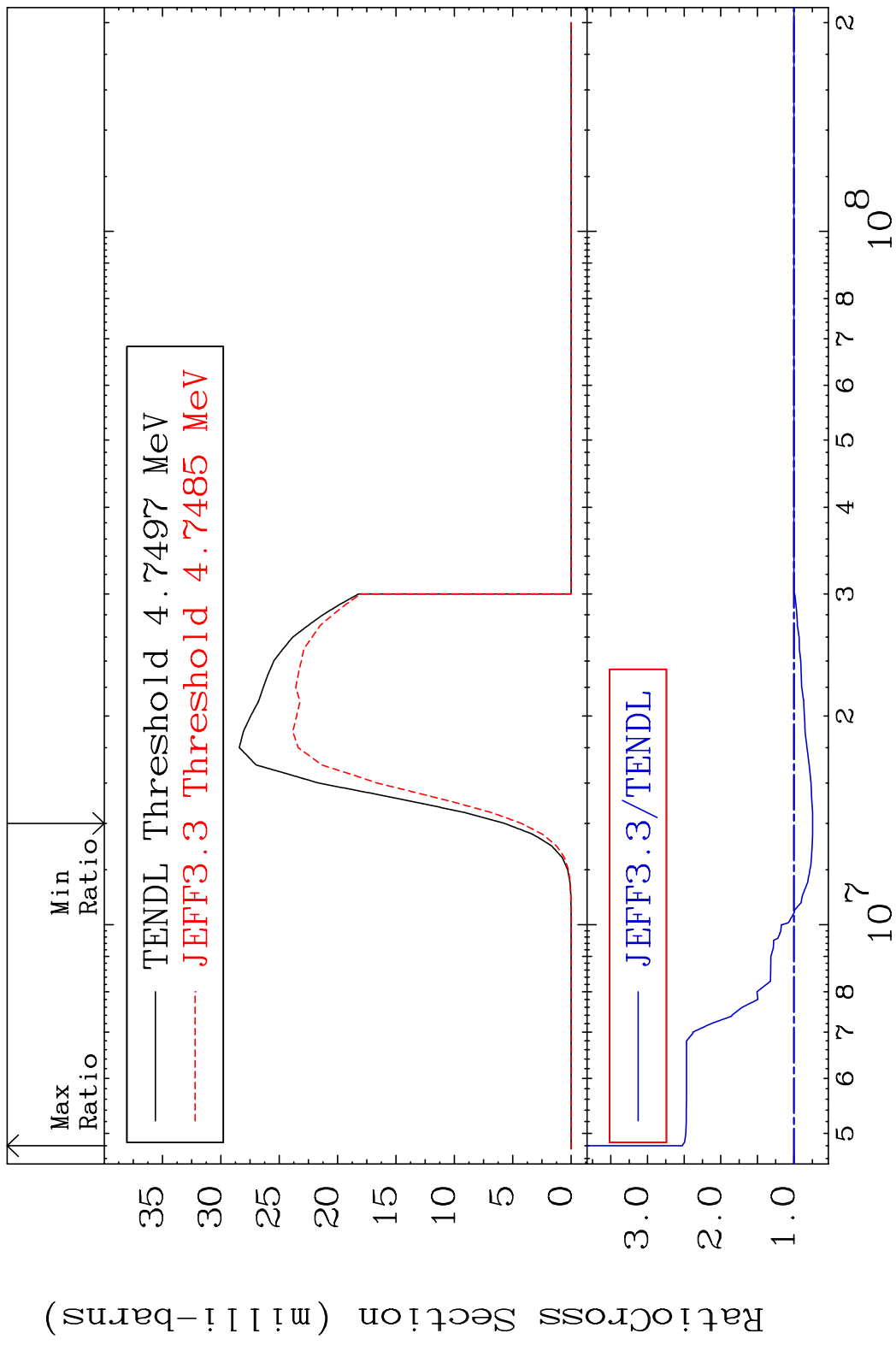
(n,2p)

23-V -48

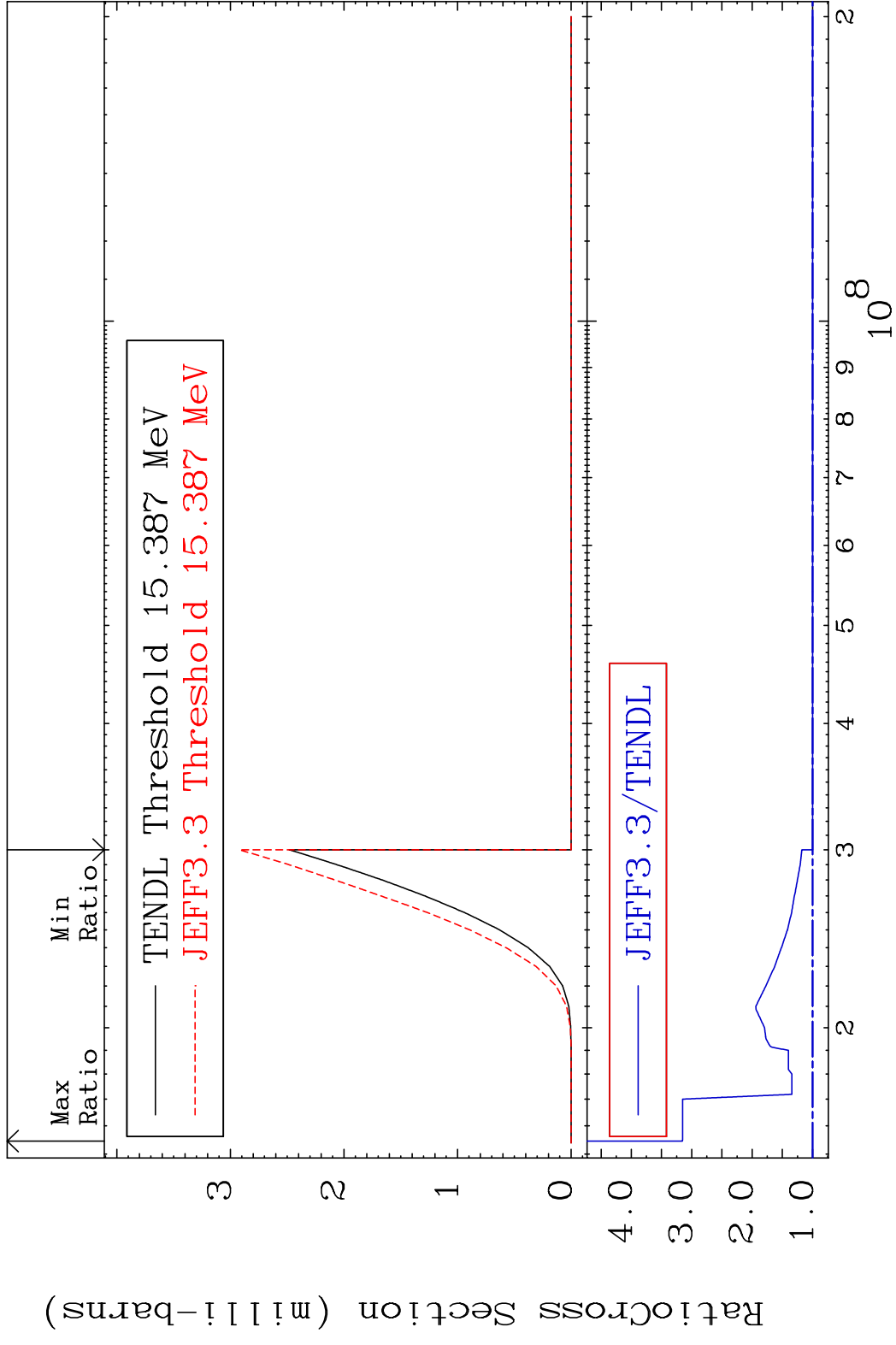
Cross Section -54.10 To 104.1 %



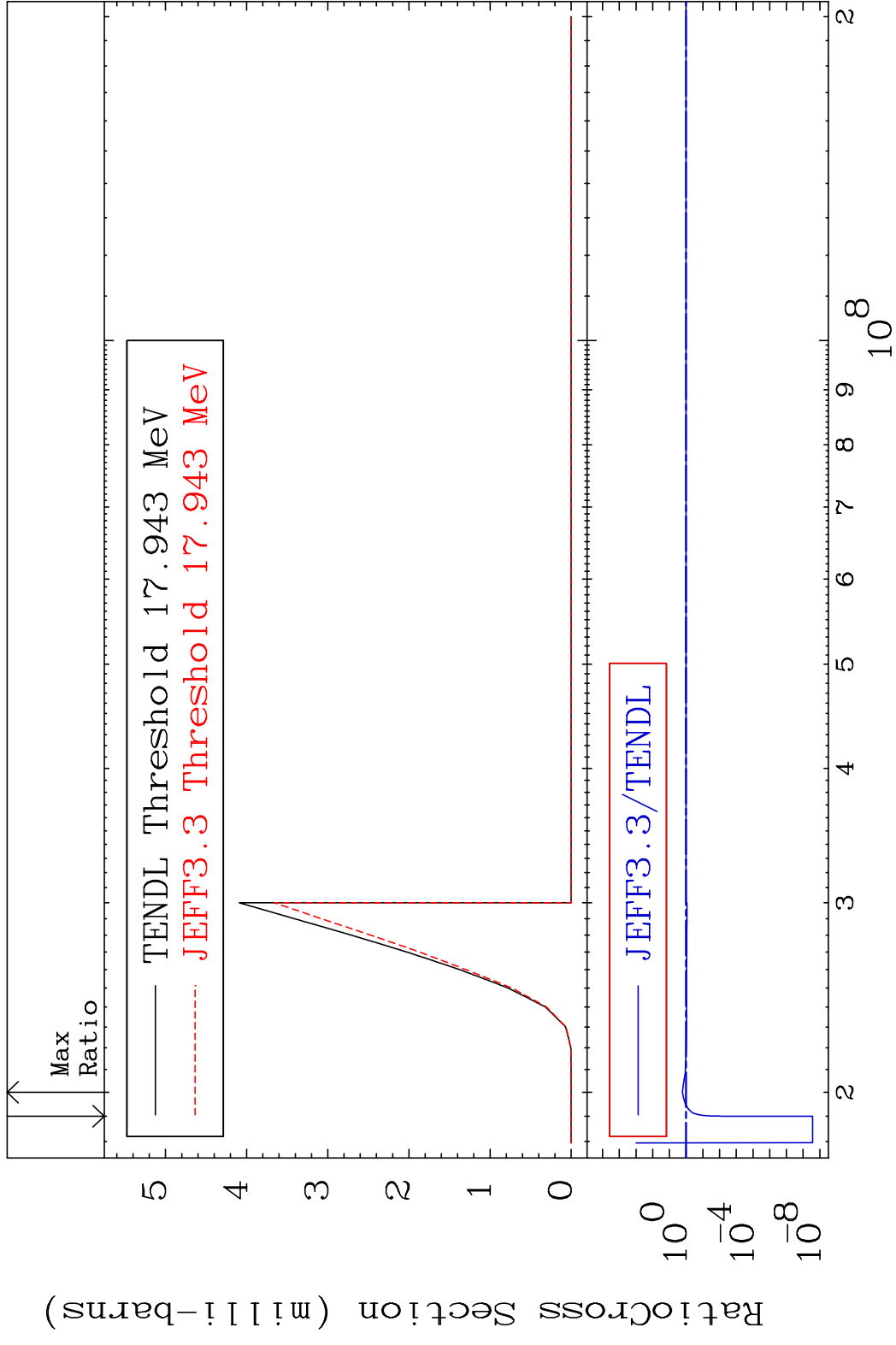
MAT 2319 (n,p)  $\alpha$  23-V -48  
 Cross Section -25.33 To 152.4 %



MAT 2319 (n,p) d 23-V -48  
 Cross Section 0.000 To 215.5 %



MAT 2319 (n,p) t 23-V -48  
 Cross Section -100.0 To 68.54 %

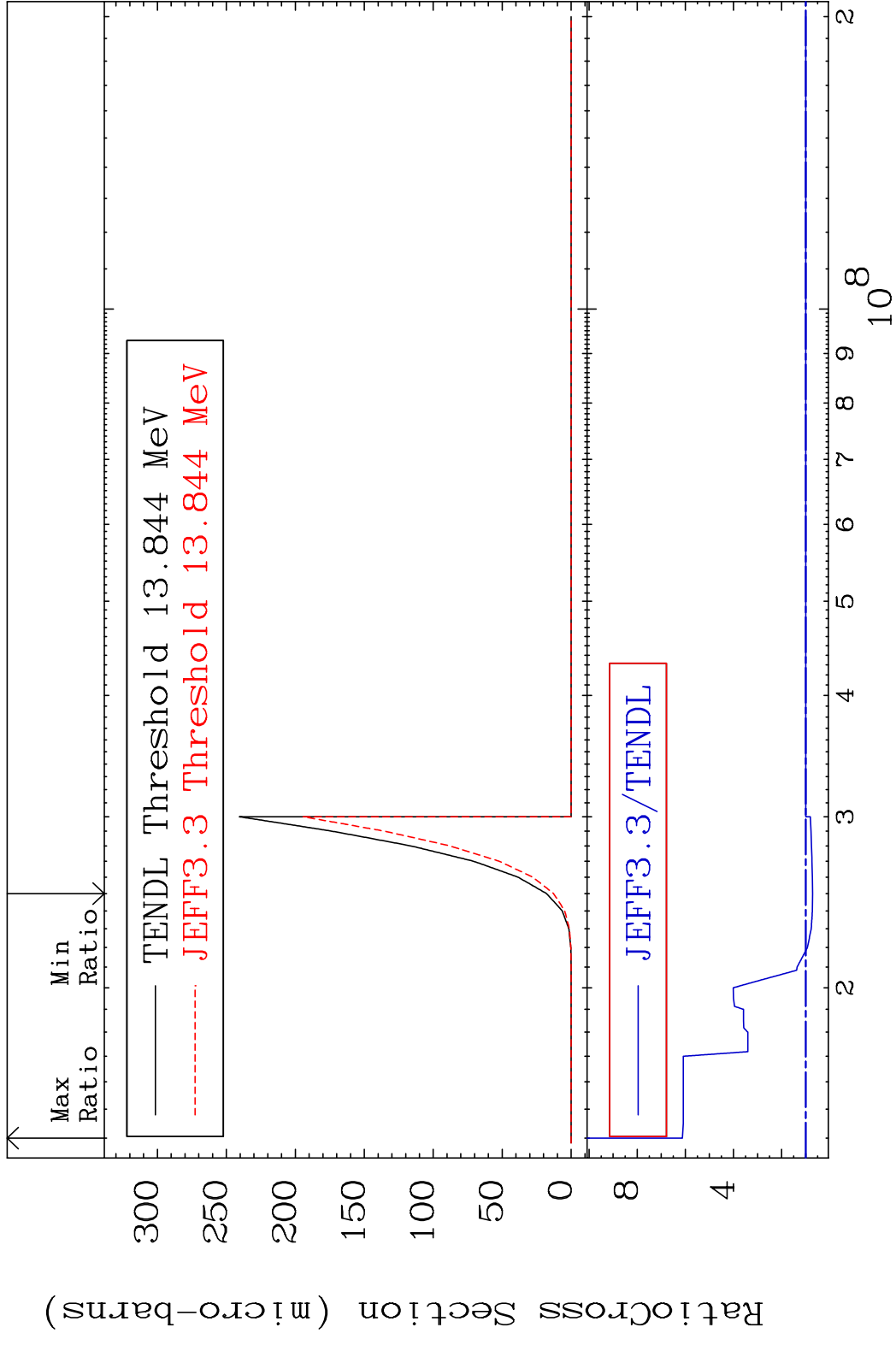


MAT 2319

(n,d)  $\alpha$

23-V -48

Cross Section -28.59 To 512.4 %



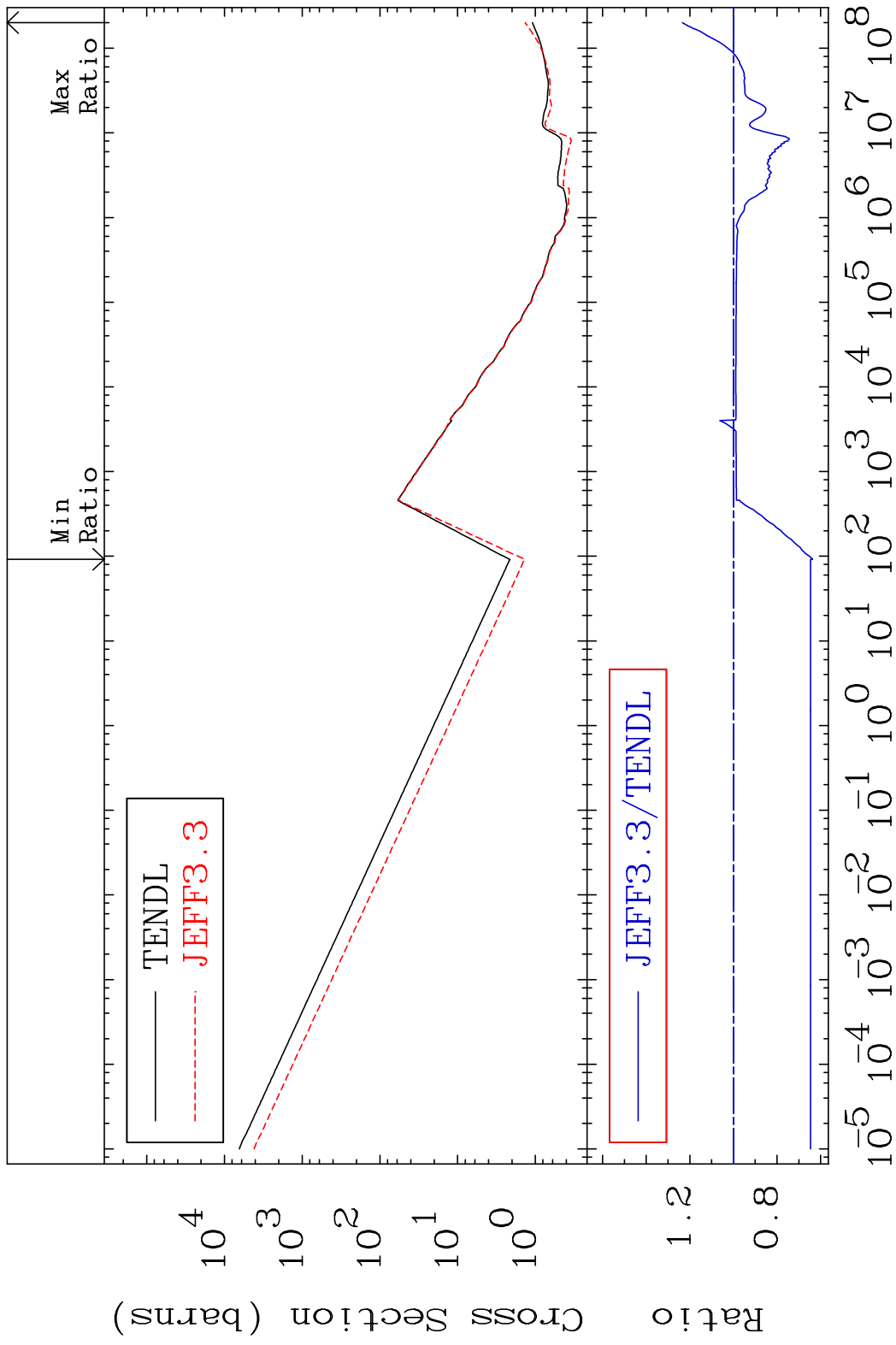
55

Incident Energy (eV)

23-V -48

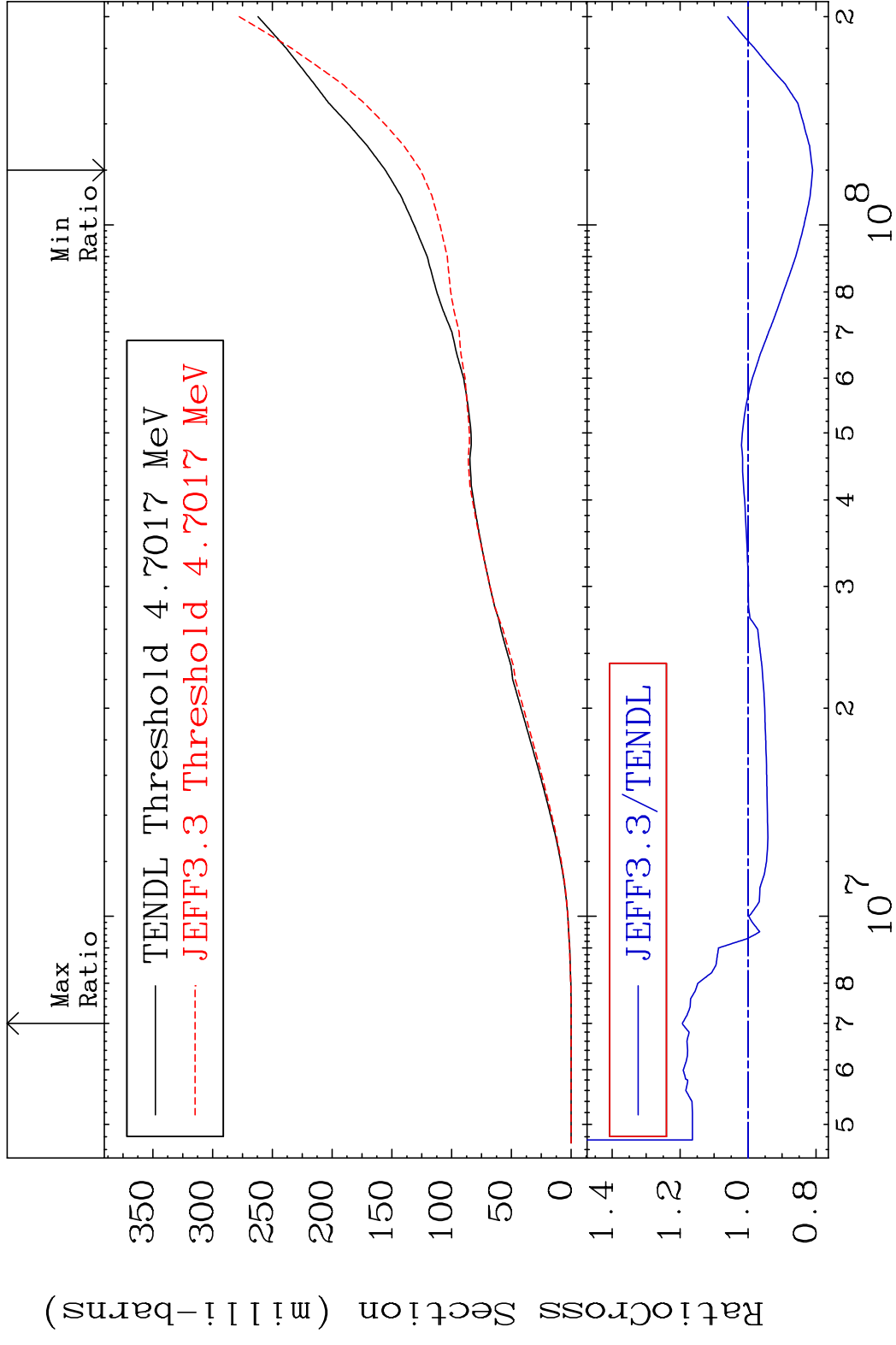


MAT 2319 Hydrogen Production 23-V -48  
 Cross Section -36.28 To 23.41 %

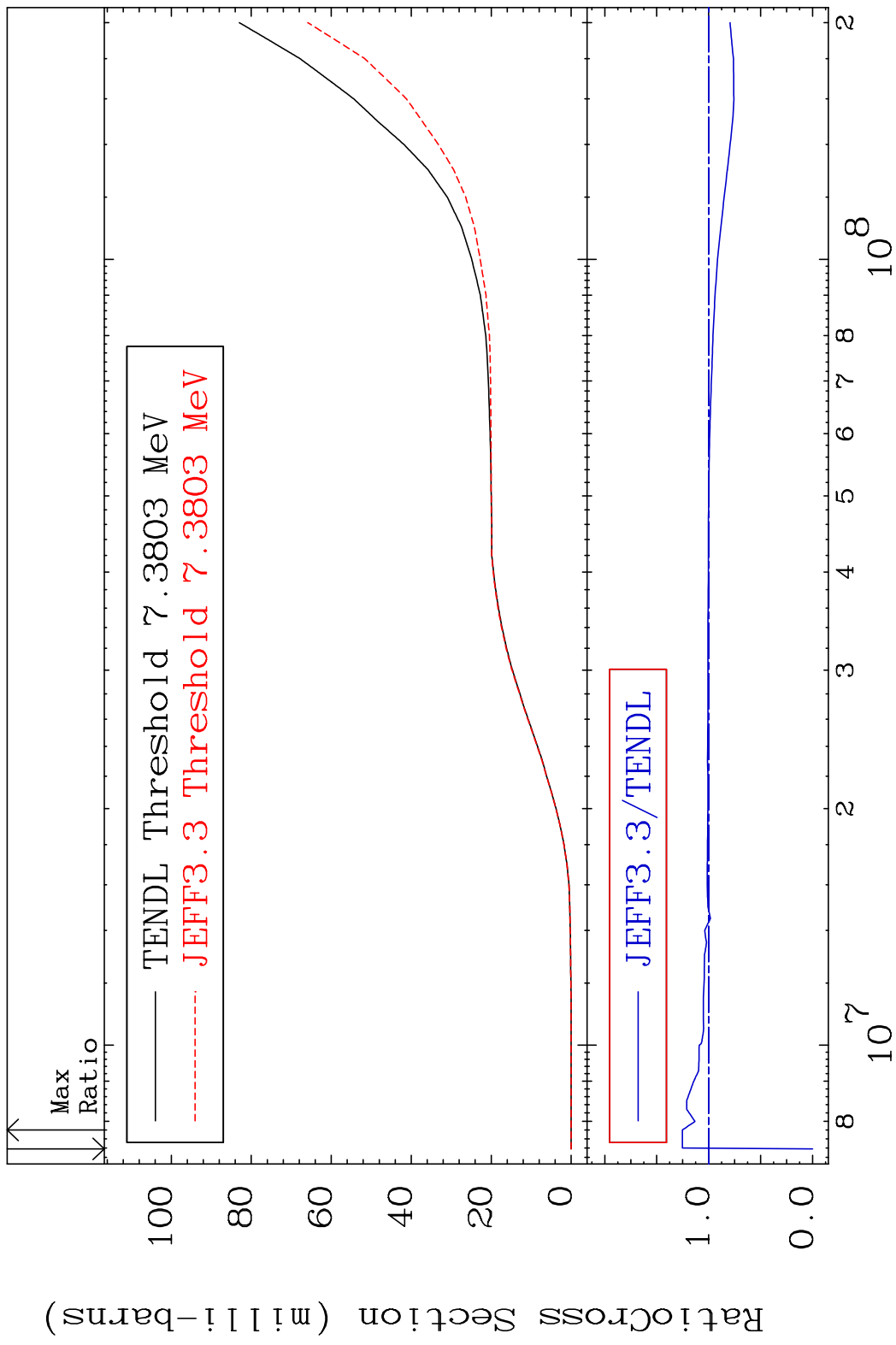


56 Incident Energy (eV) 23-V -48

MAT 2319 Deuterium Production 23-V -48  
 Cross Section -18.95 To 19.35 %



MAT 2319 Tritium Production 23-V -48  
 Cross Section -100.0 To 25.33 %



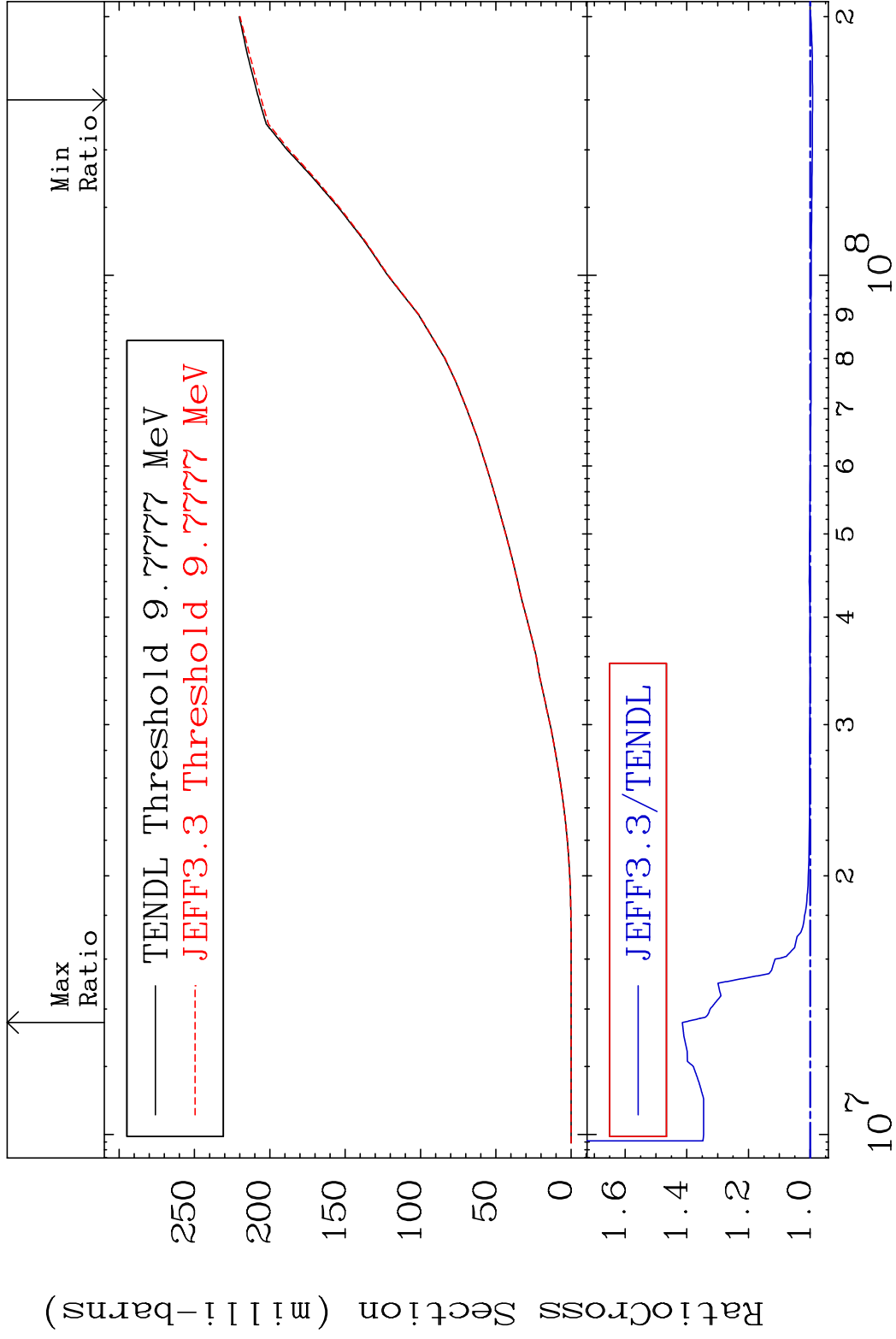
58 23-V -48

MAT 2319

He-3 Production

23-V -48

Cross Section -0.762 To 41.45 %



59

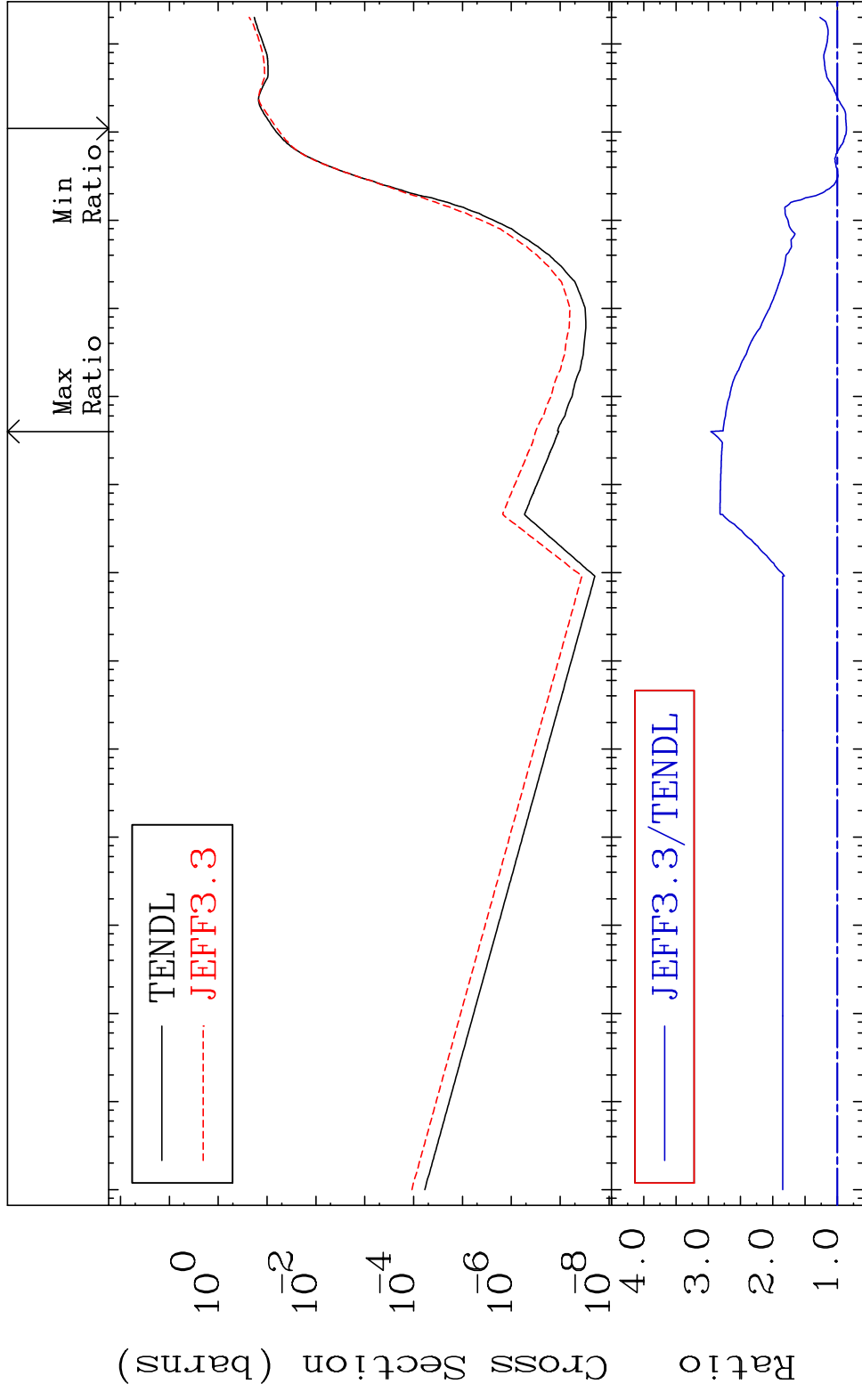
Incident Energy (eV)

23-V -48

MAT 2319

He-4 Production  
Cross Section

23-V -48  
-13.99 To 196.2 %

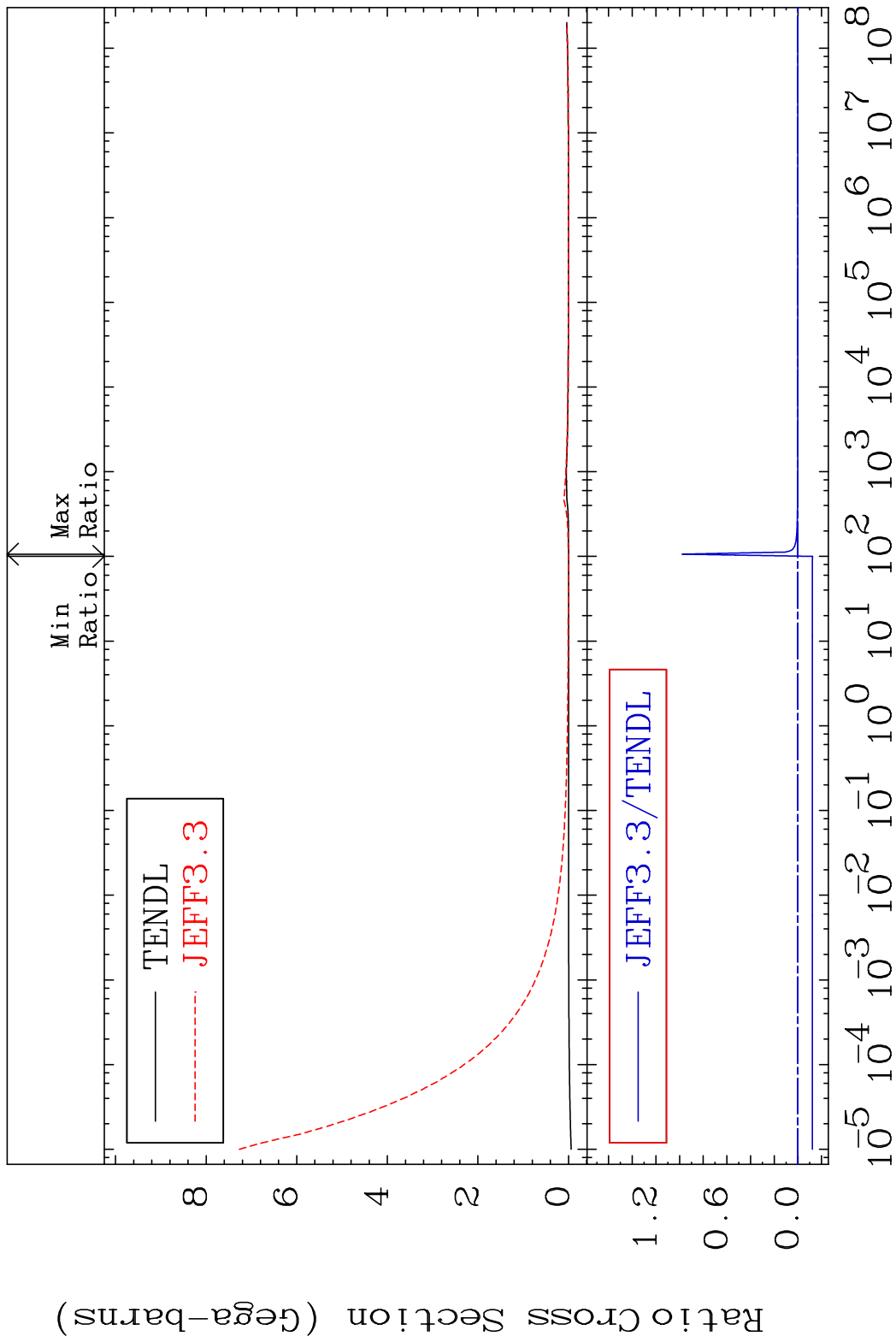


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Incident Energy (eV)

23-V -48

MAT 2319 Kerma total (eV-barns) 23-V -48  
 Cross Section -9999. To 9999. %

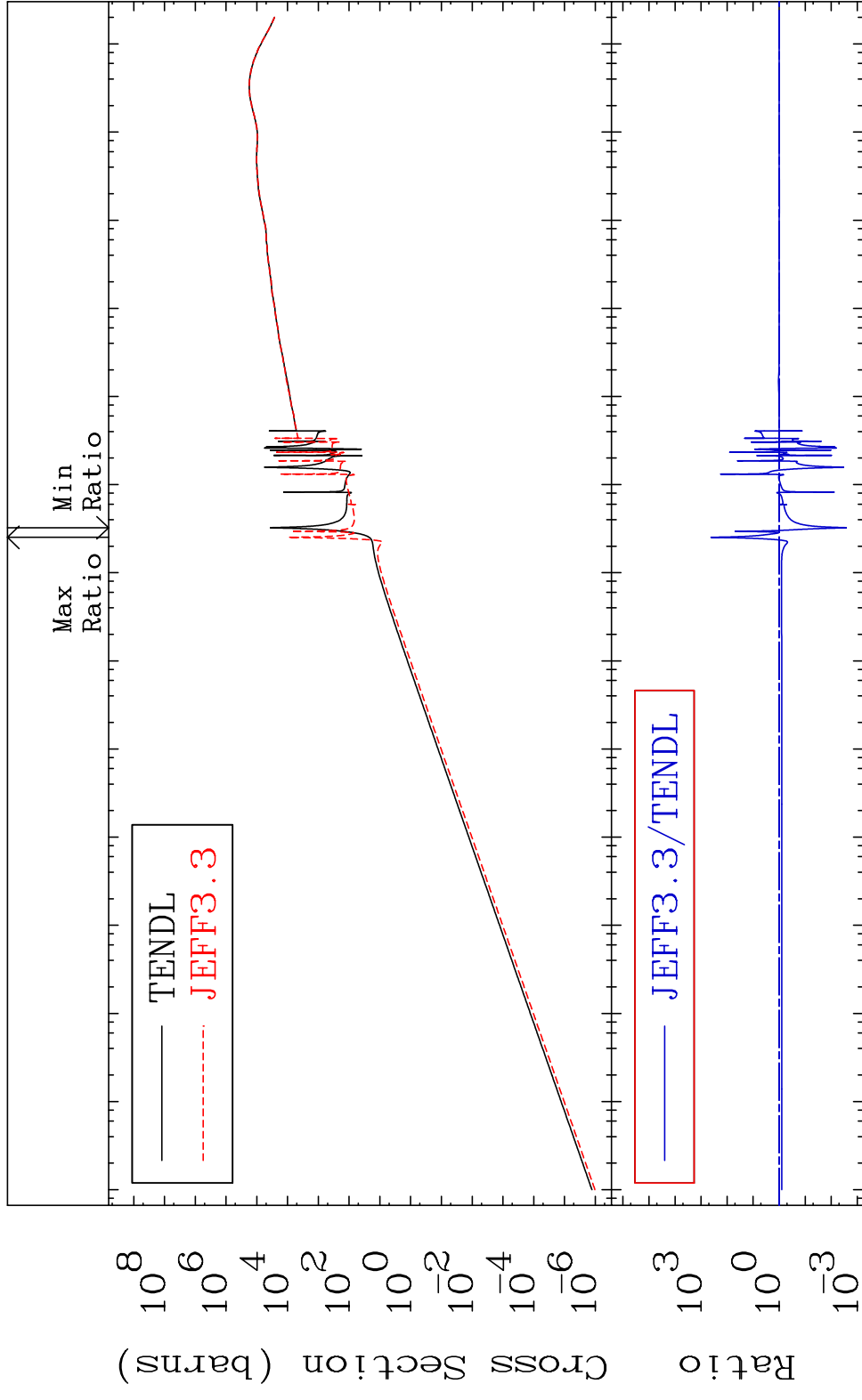


61 Incident Energy (eV) 23-V -48

MAT 2319

Kerma elastic  
Cross Section

23-V -48  
-99.74 To 9999. %

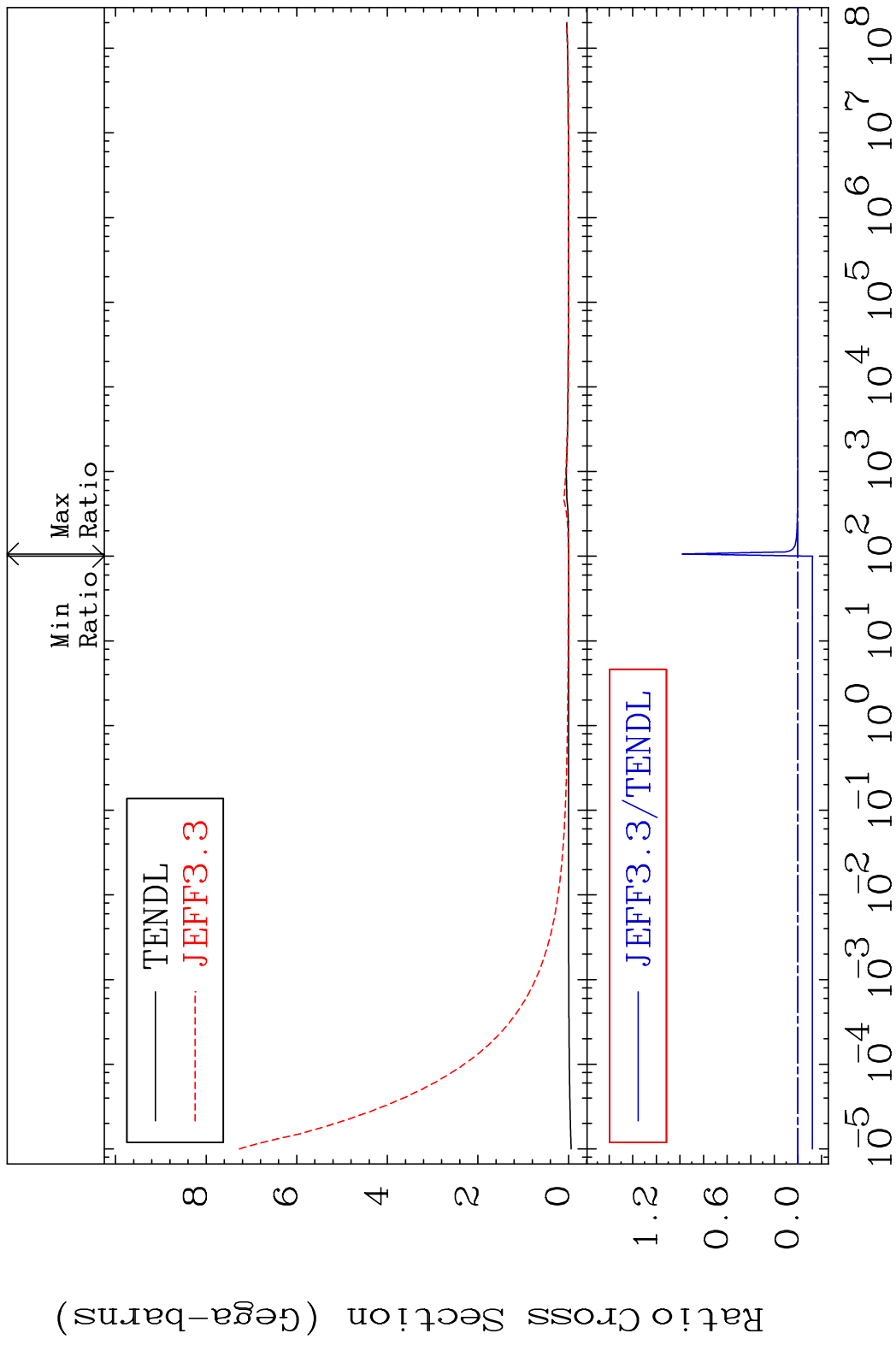


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Incident Energy (eV)

23-V -48

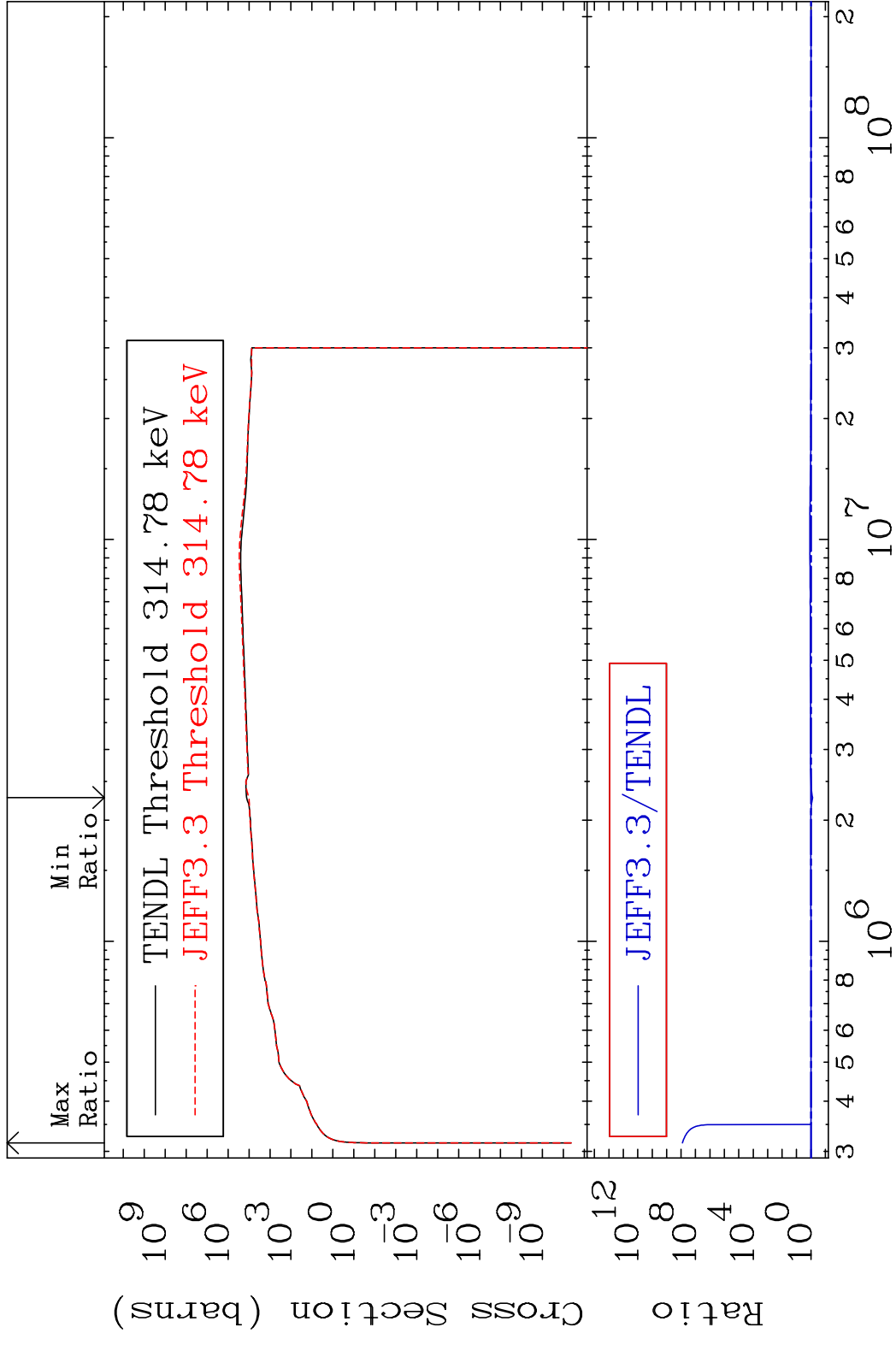
MAT 2319 Kerma non-elastic (all but mt2) 23-V -48  
 Cross Section -9999. To 9999. %



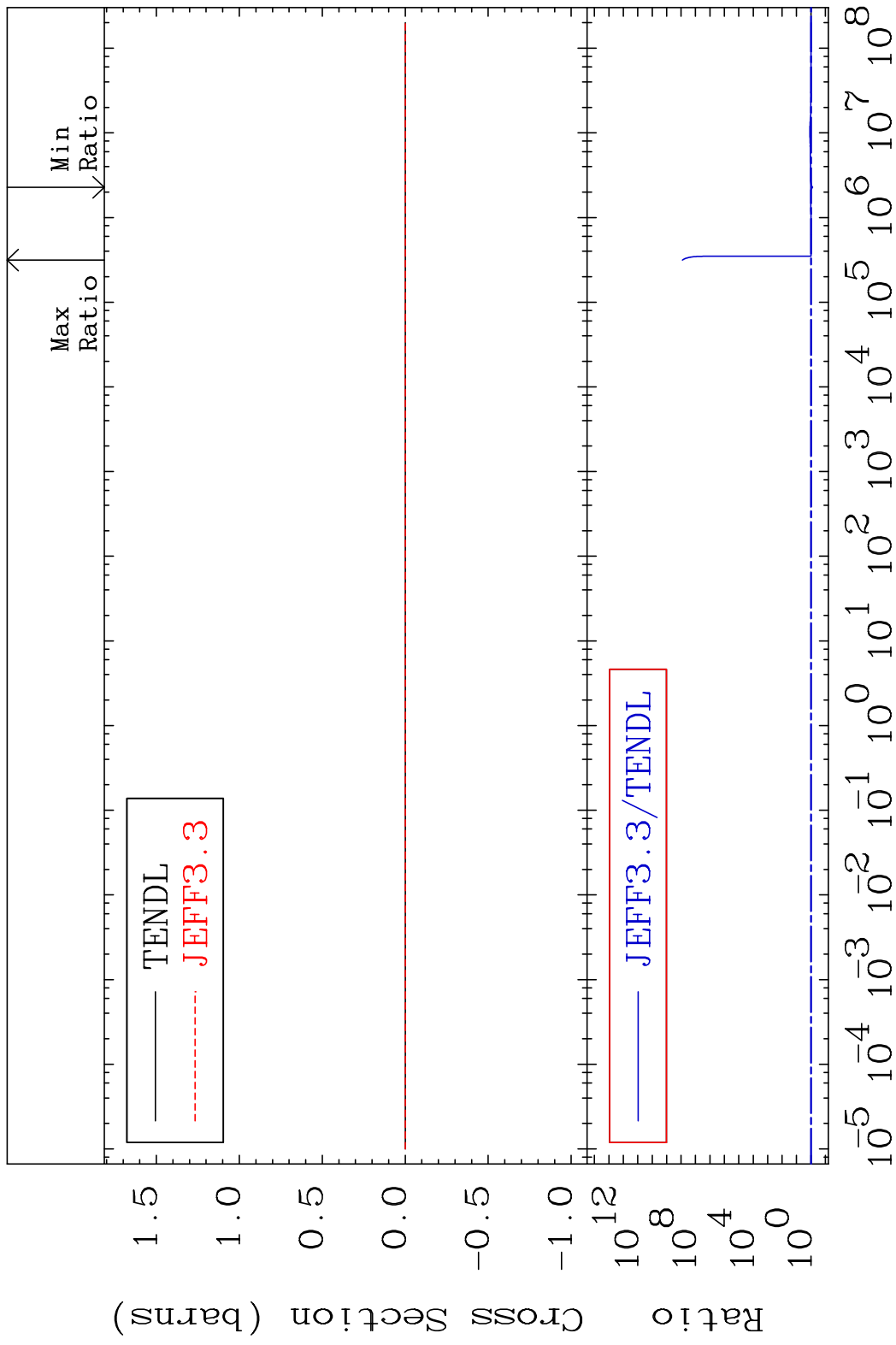
63 Incident Energy (eV) 23-V -48

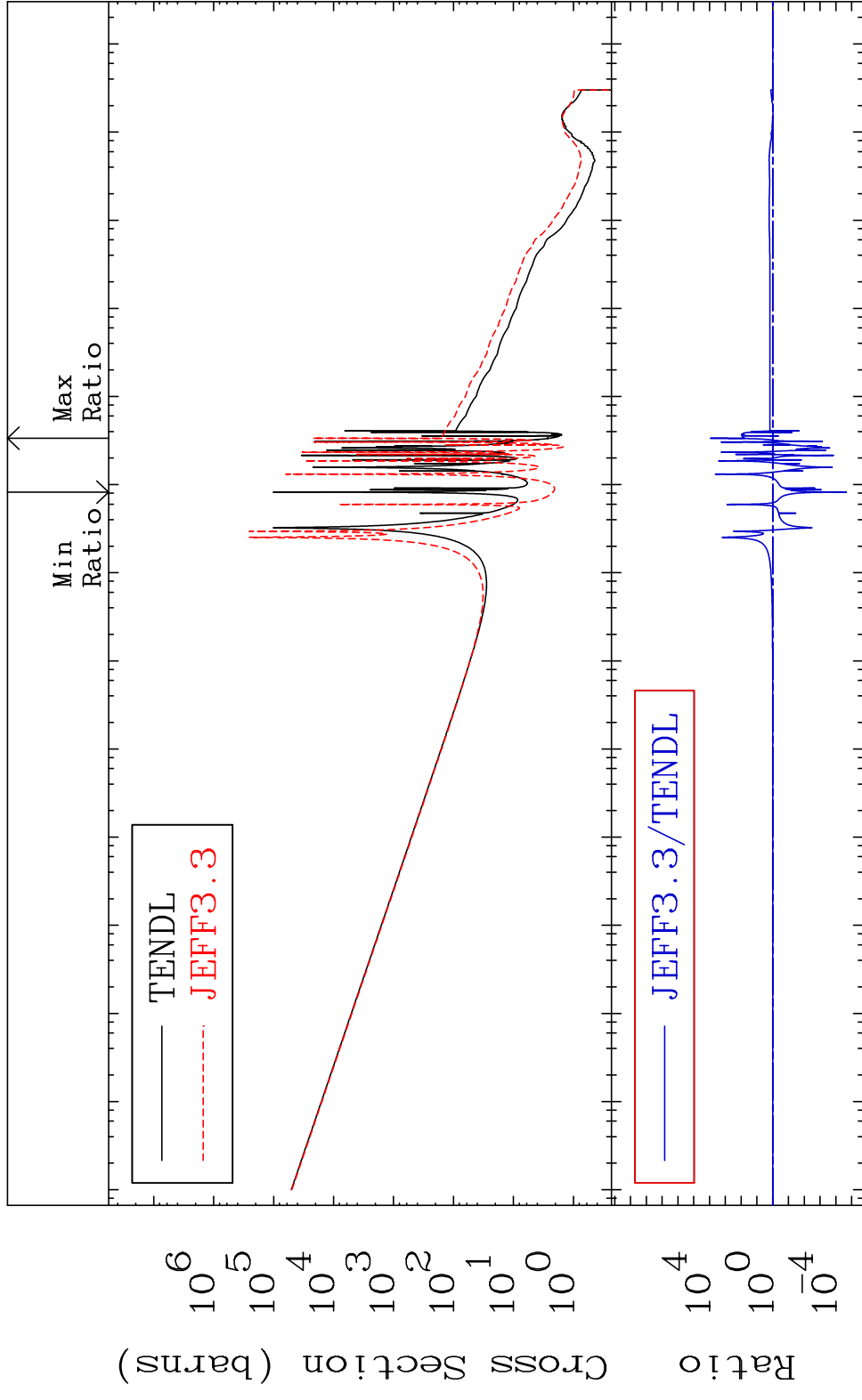


MAT 2319 Kerma inelastic (mt51-91) 23-V -48  
 Cross Section -22.70 To 9999. %

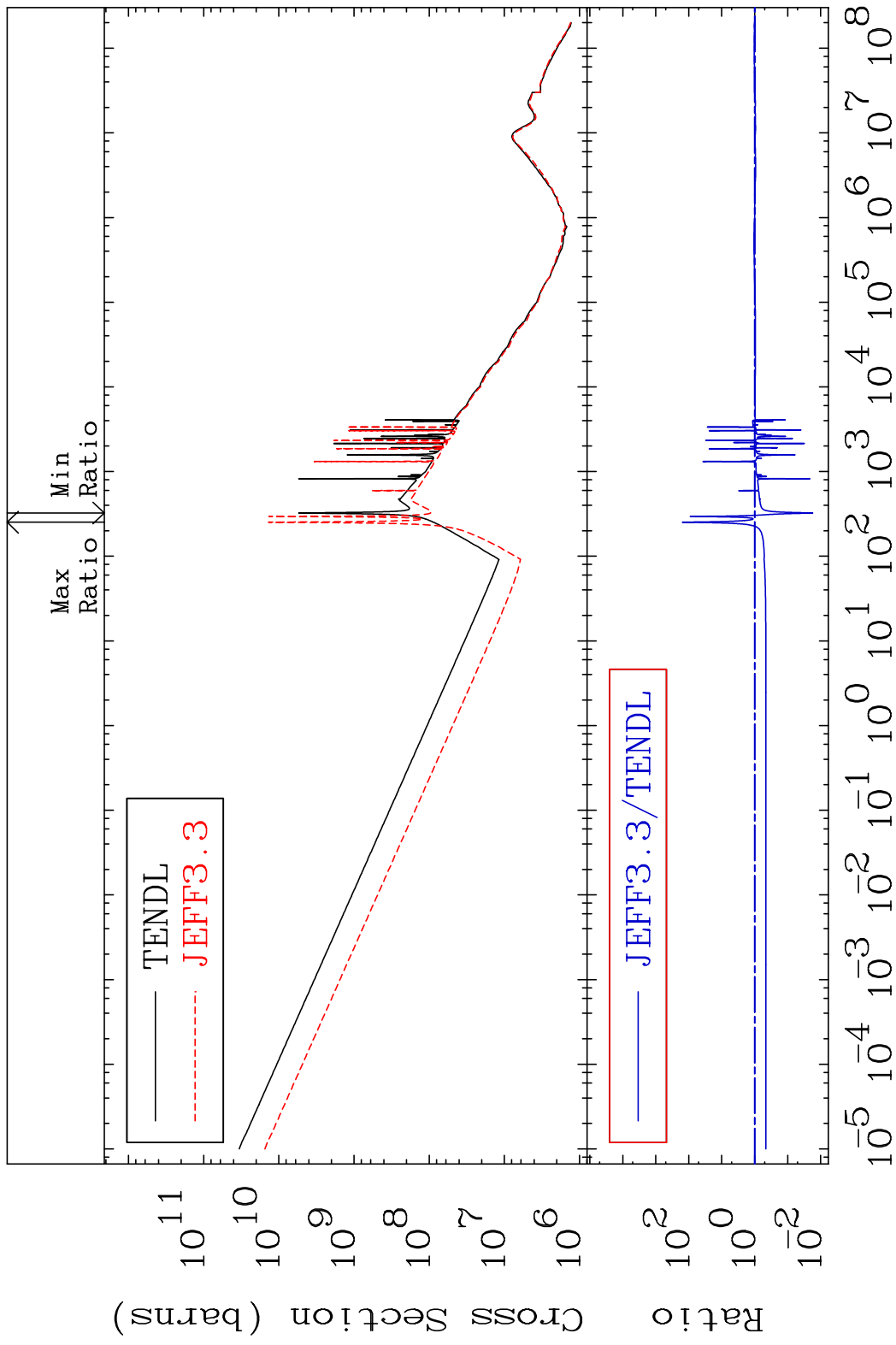


MAT 2319 Kerma fission (mt18 or mt19-20-21-38) 23-V -48  
 Cross Section -22.70 To 9999. %



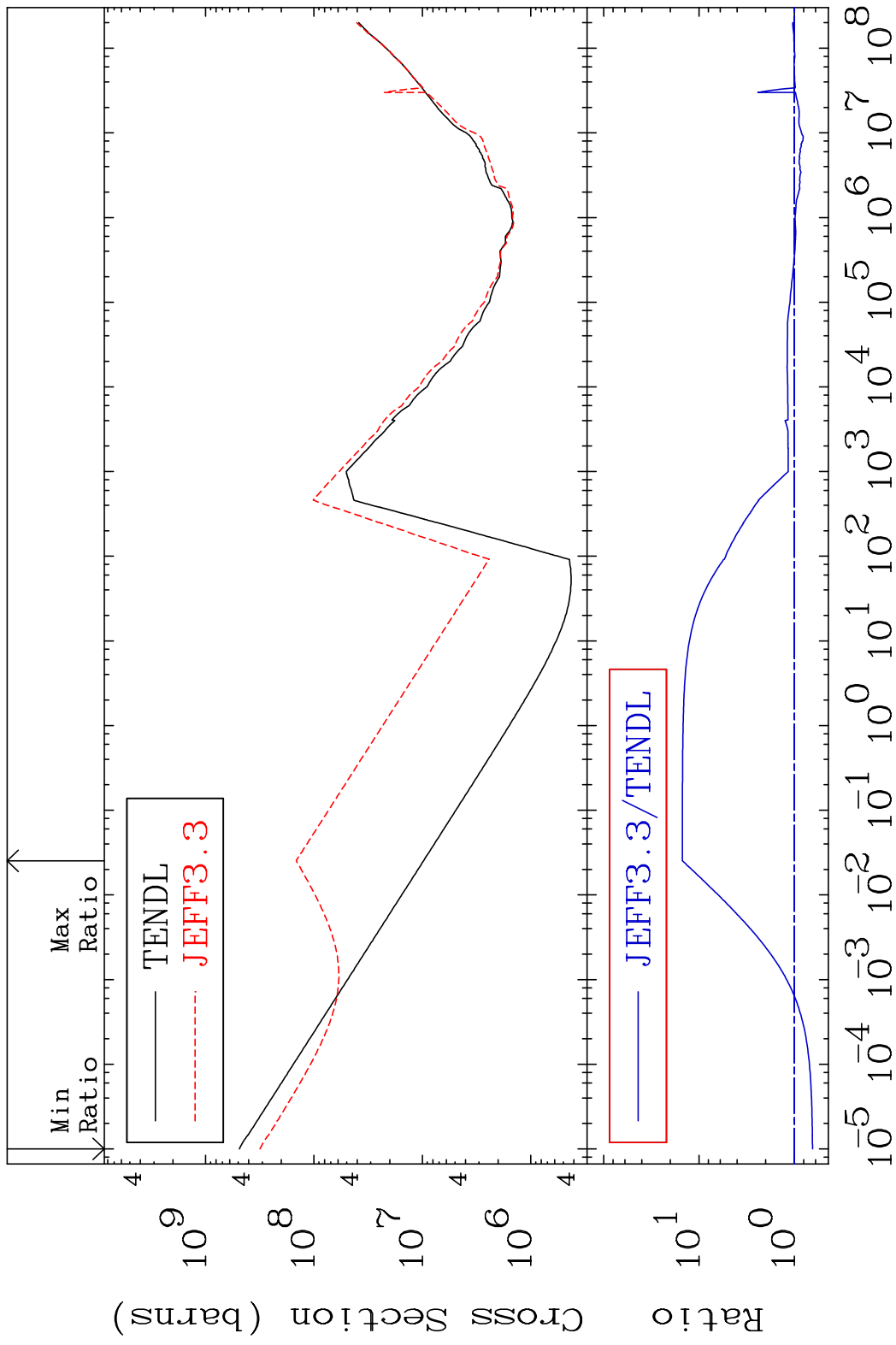


MAT 2319 Total photon (eV-barns) 23-V -48  
 Cross Section -98.24 To 9999. %



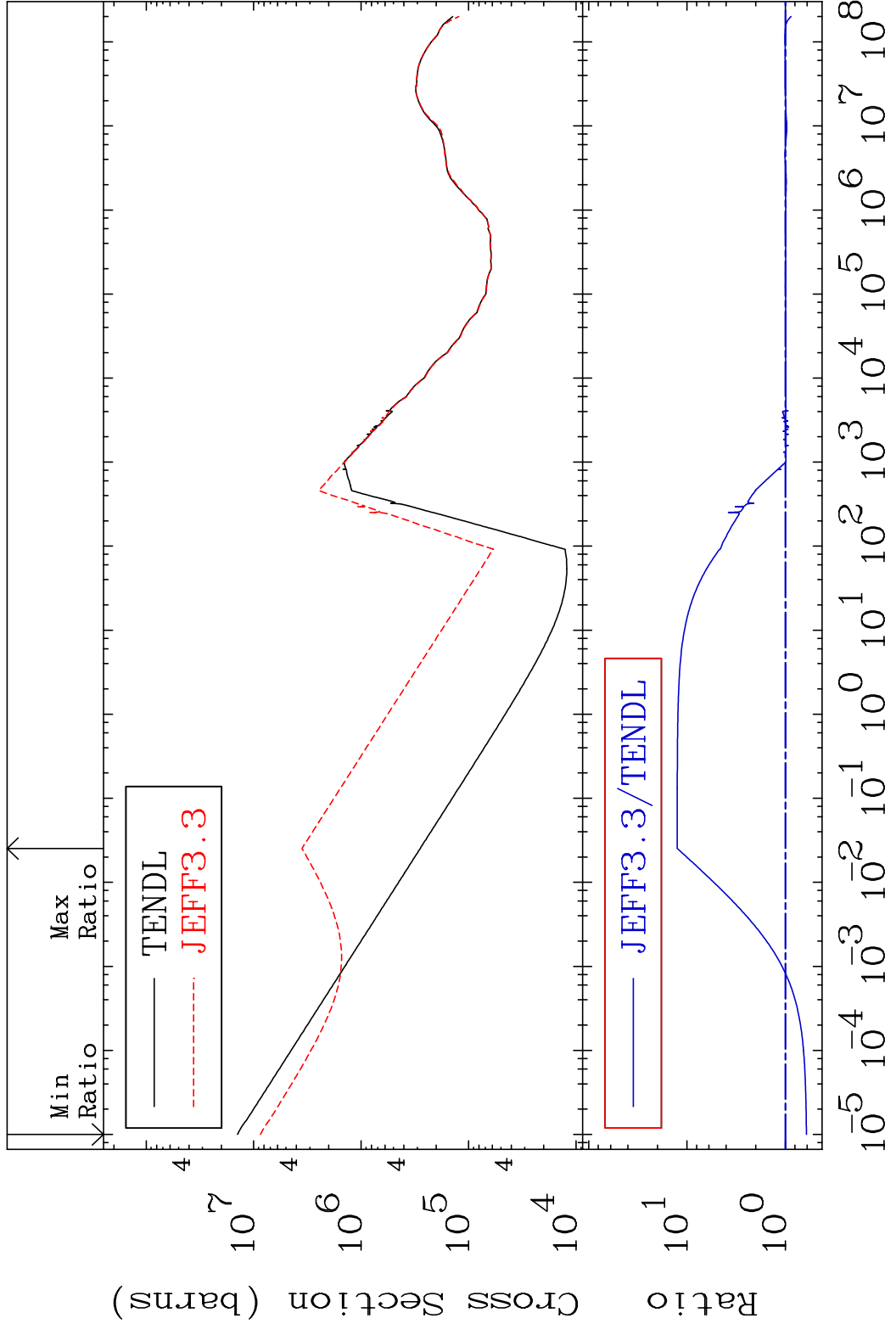
67 Incident Energy (eV) 23-V -48

MAT 2319 Total kinematic kerma (high limit) 23-V -48  
 Cross Section -35.53 To 1398. %



MAT 2319

Dpa total (eV-barns) 23-V -48  
Cross Section -38.93 To 1160. %



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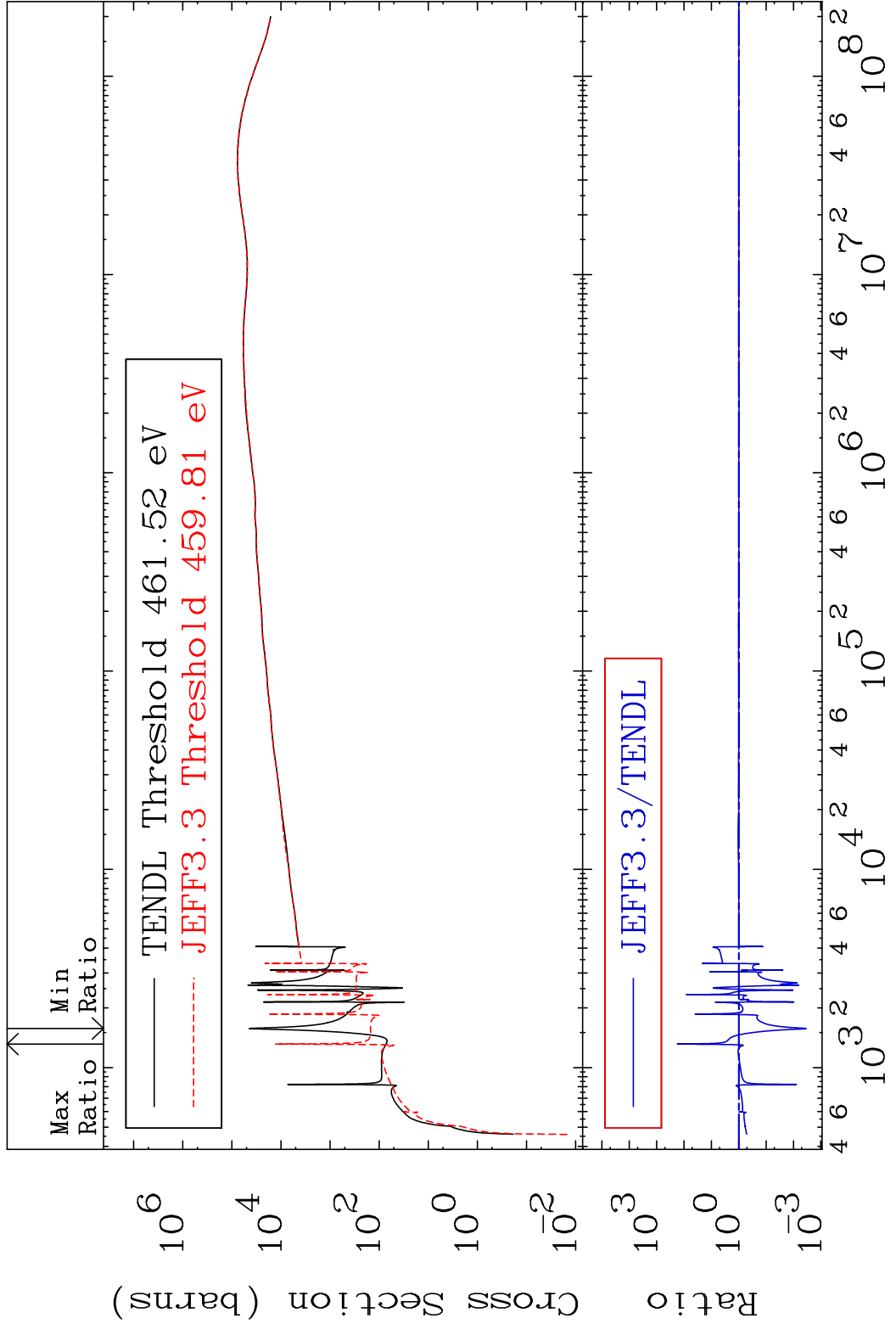
Incident Energy (eV) 23-V -48

MAT 2319

Dpa elastic (mt2)

23-V -48

Cross Section -99.66 To 9999. %

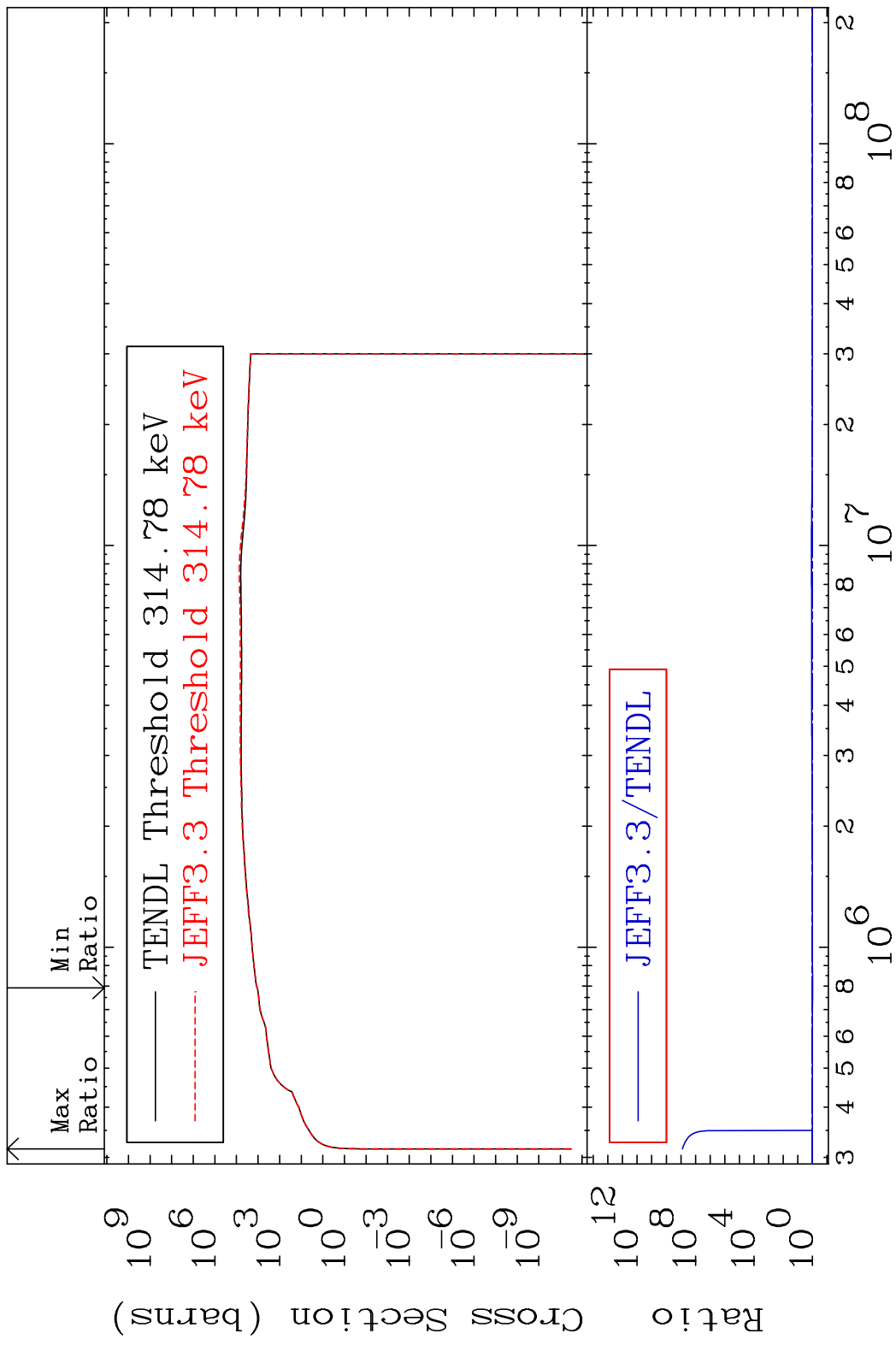


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Incident Energy (eV)

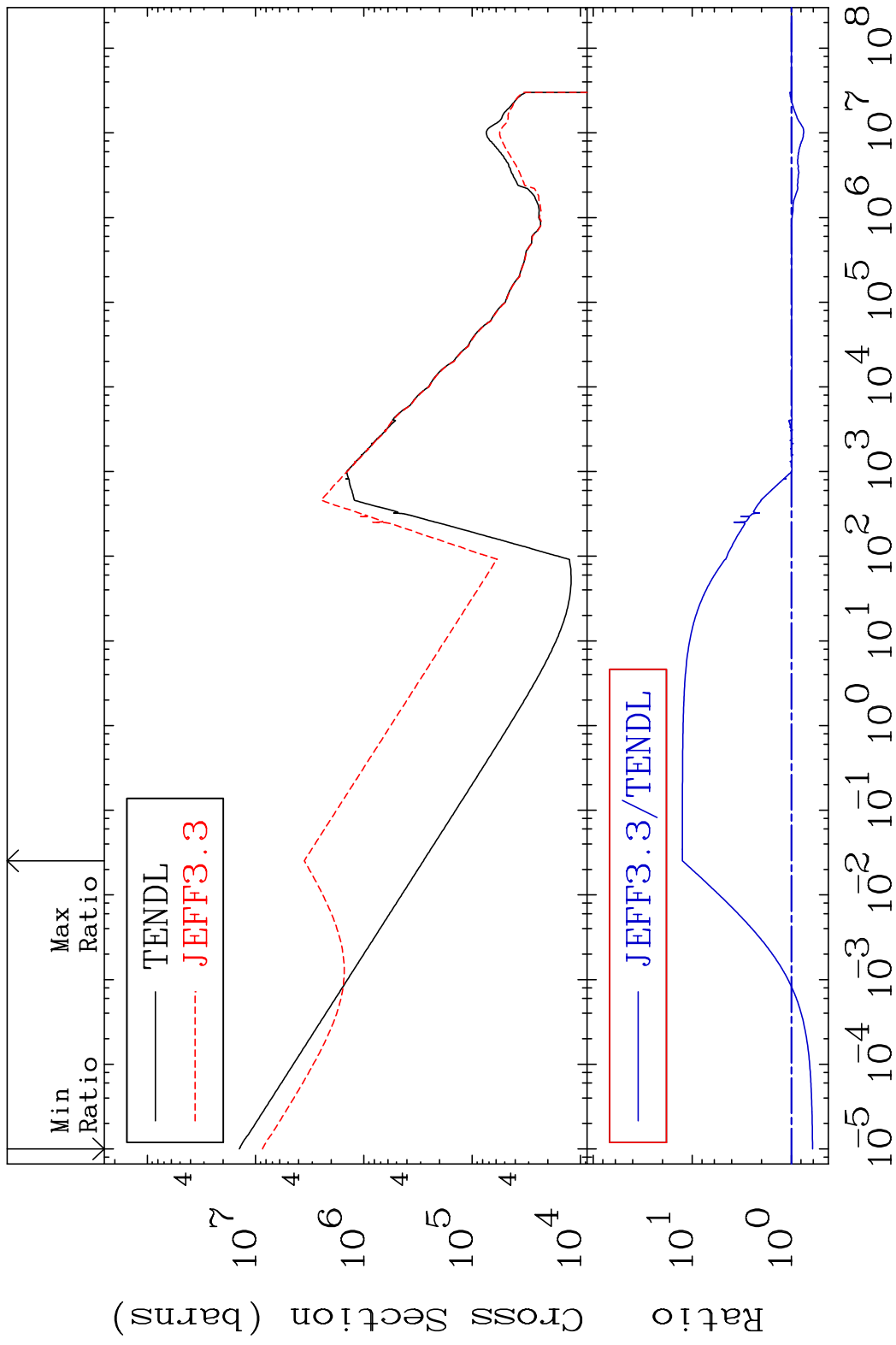
23-V -48

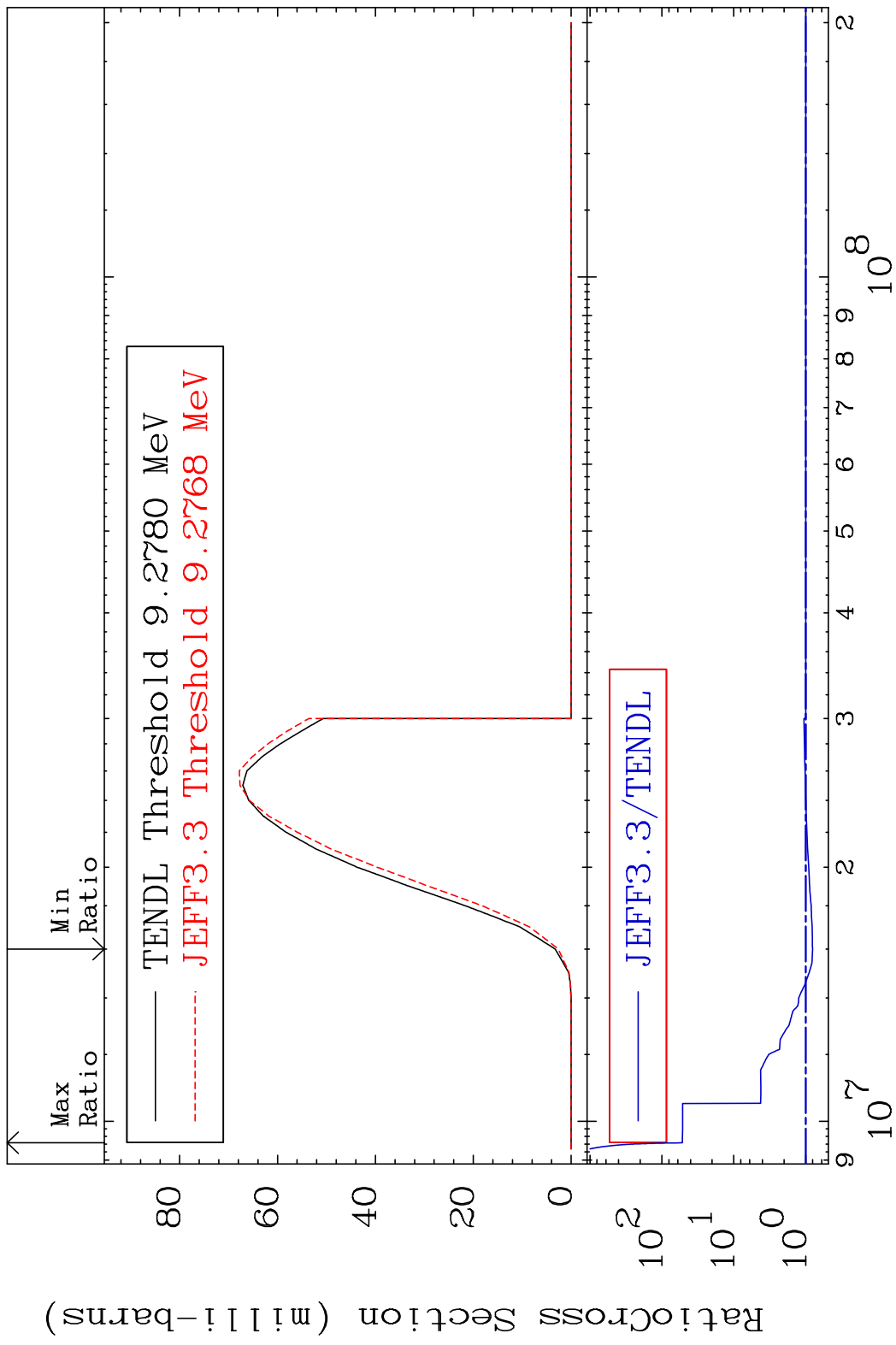
MAT 2319 Dpa inelastic (mt51-91) 23-V -48  
 Cross Section -1.456 To 9999. %



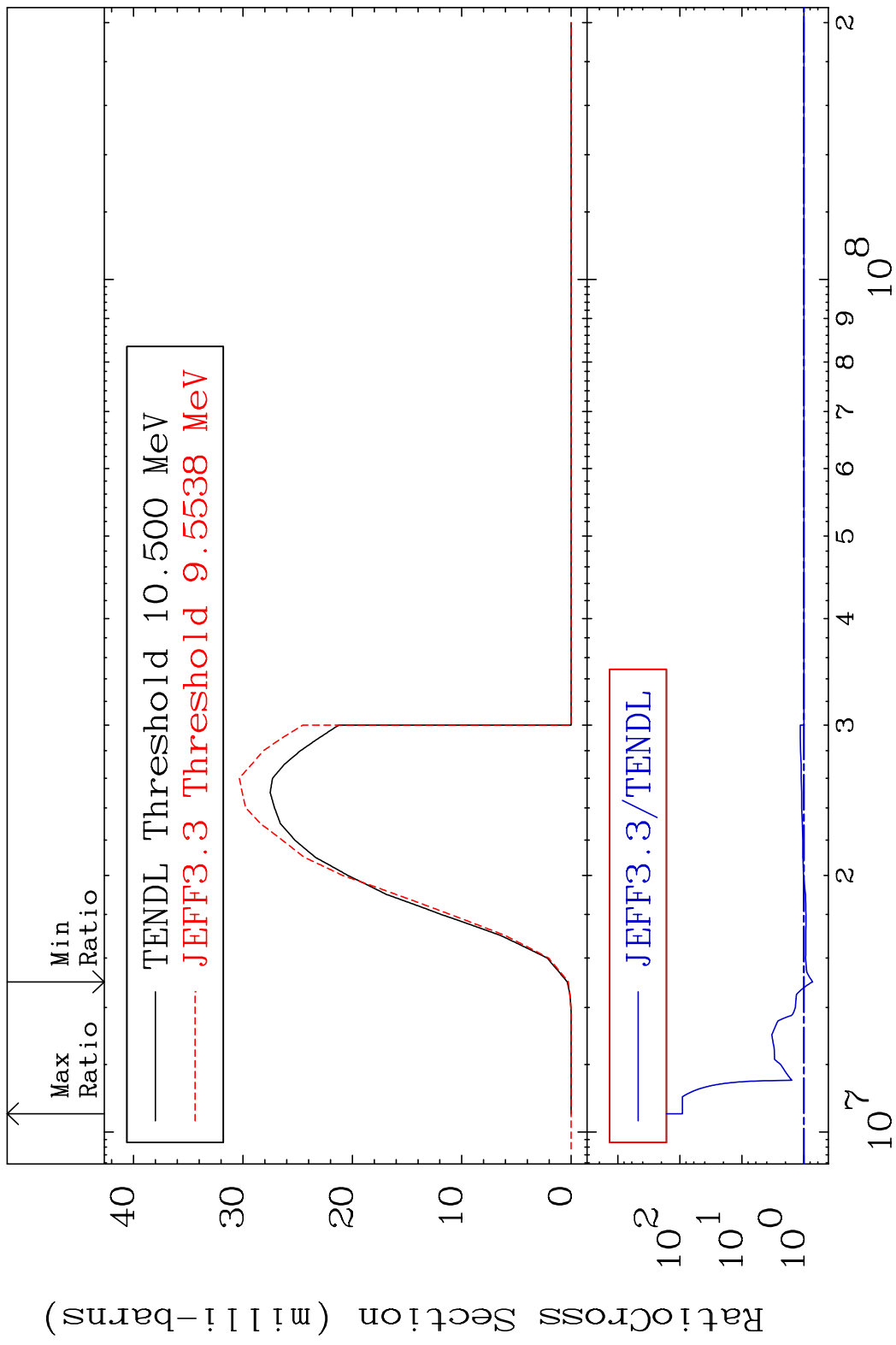


MAT 2319 Dpa disappearance (mt102 -120) 23-V -48  
 Cross Section -38.93 To 1160. %



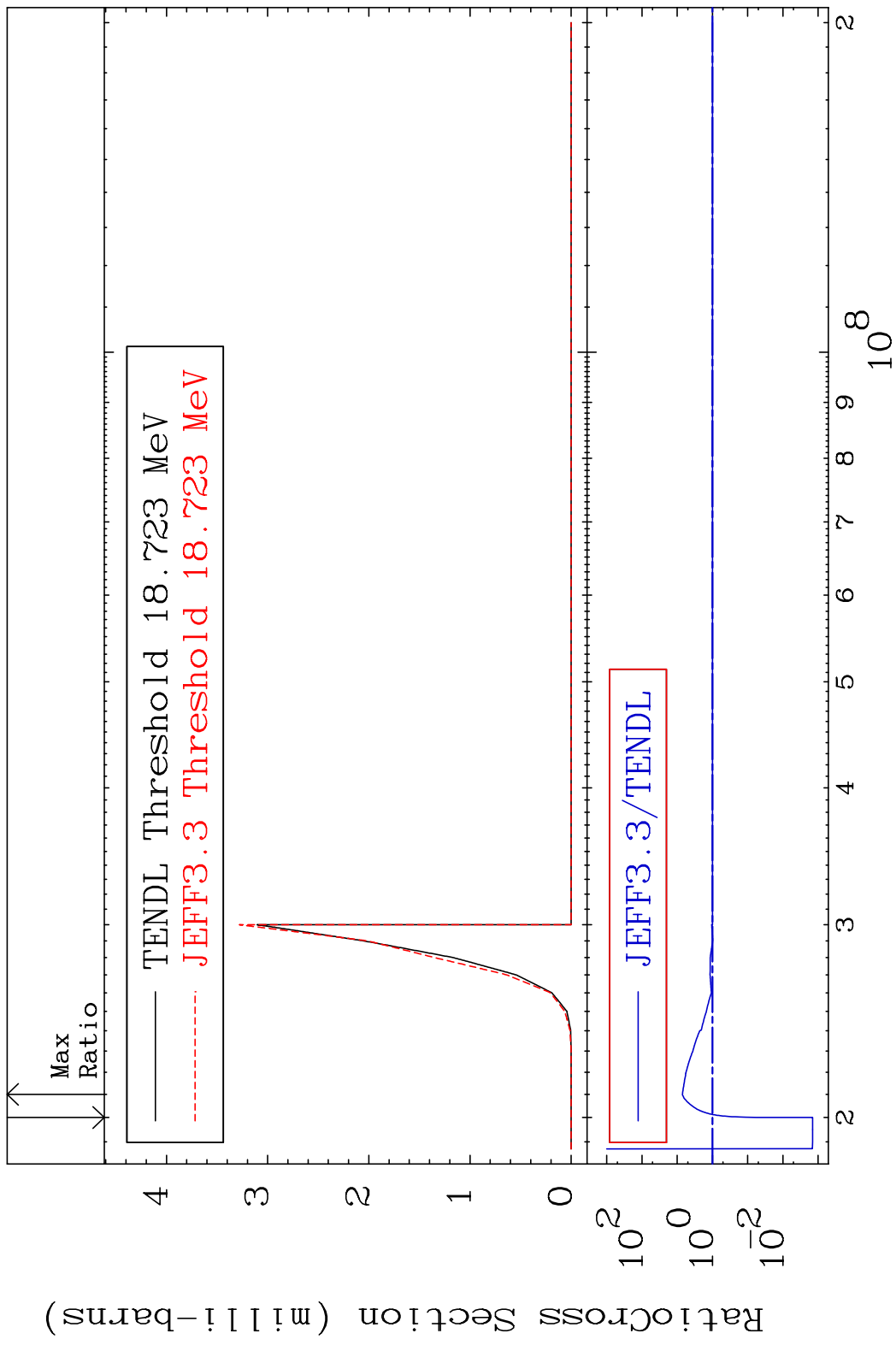


MAT 2319 (n, n')  $\alpha$ :21-Sc-44m4 23-V -48  
 Radionuclide Production Cross Section to 9055. %

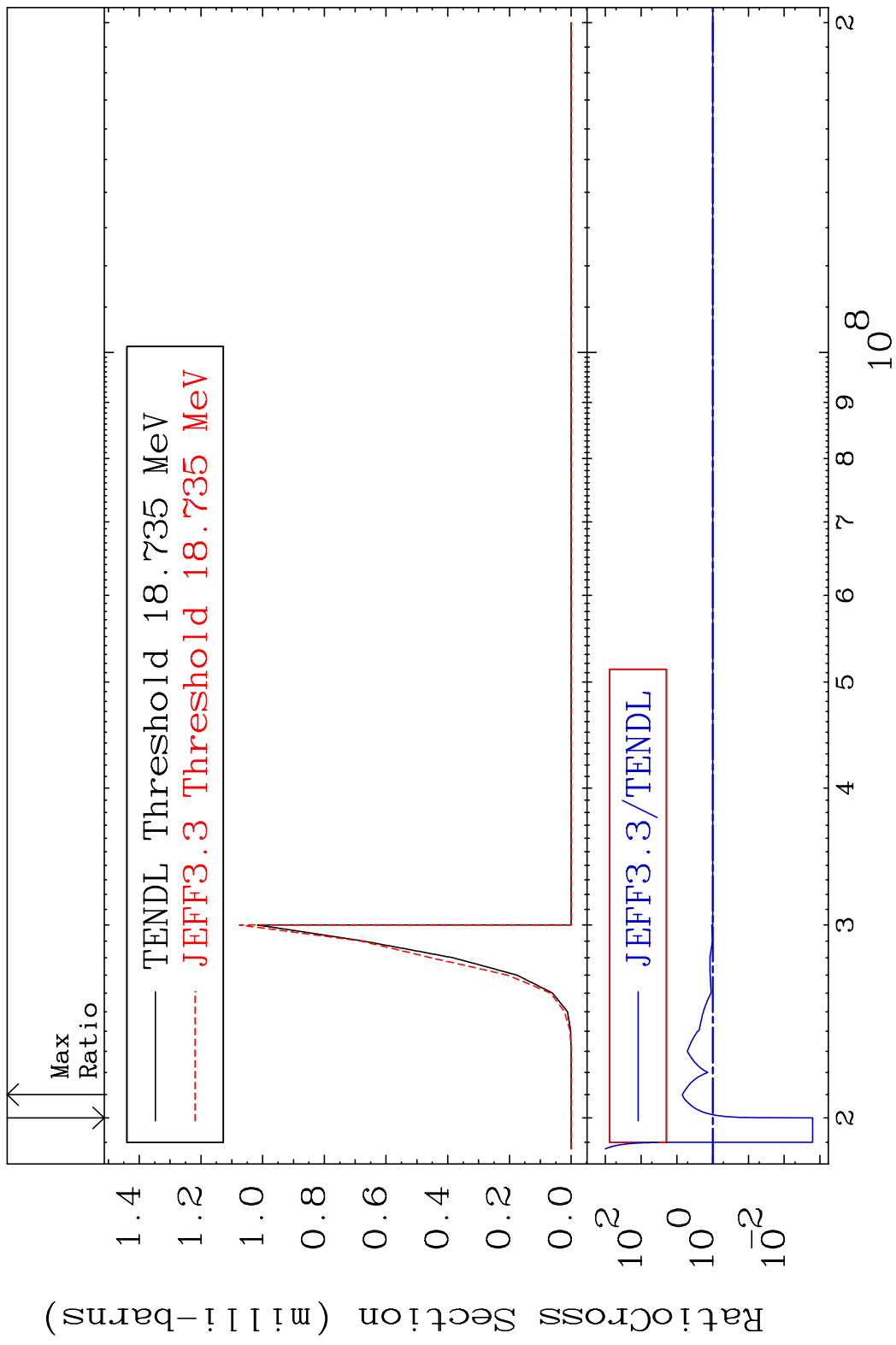


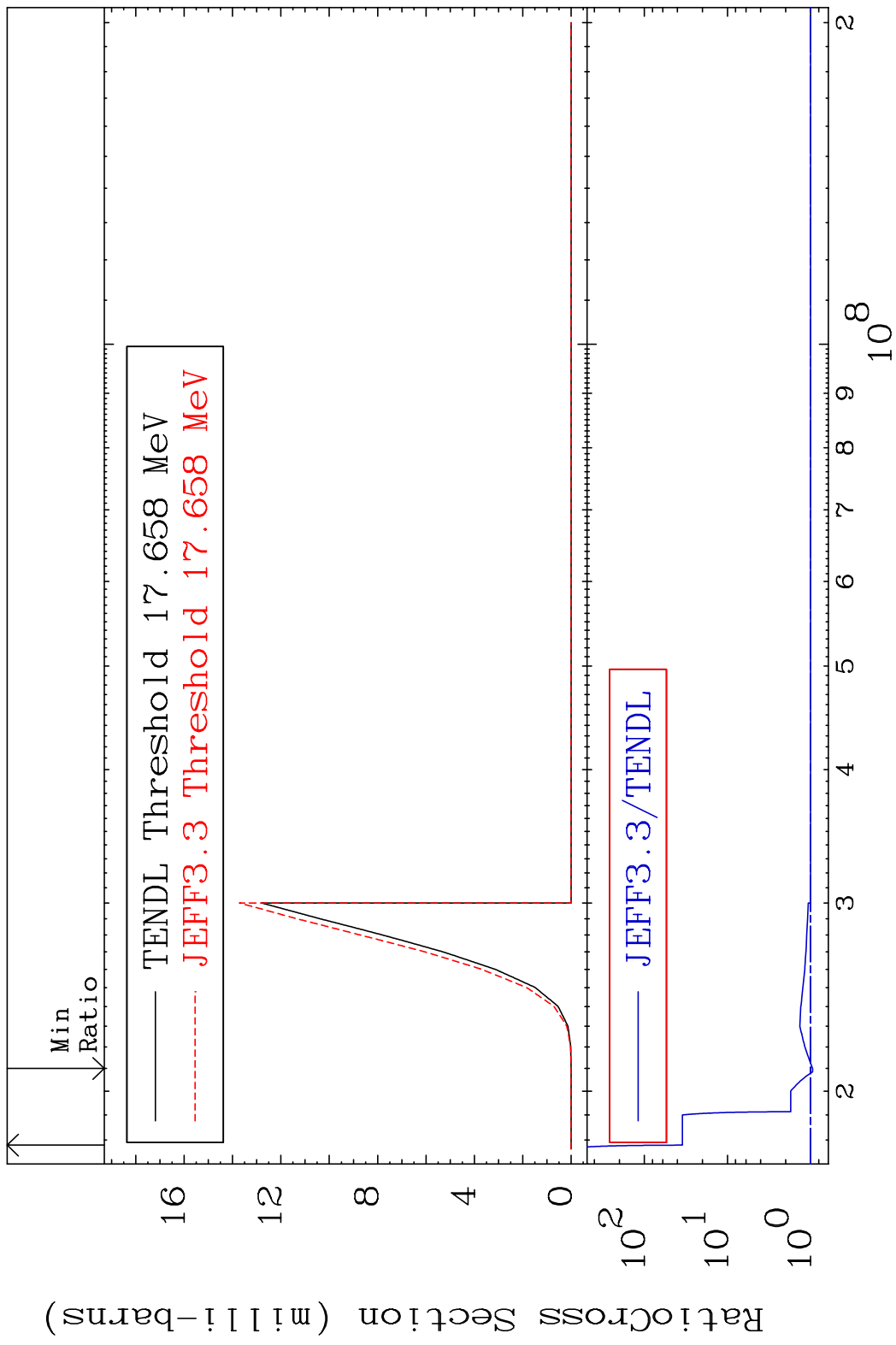
74 Incident Energy (eV) 23-V -48

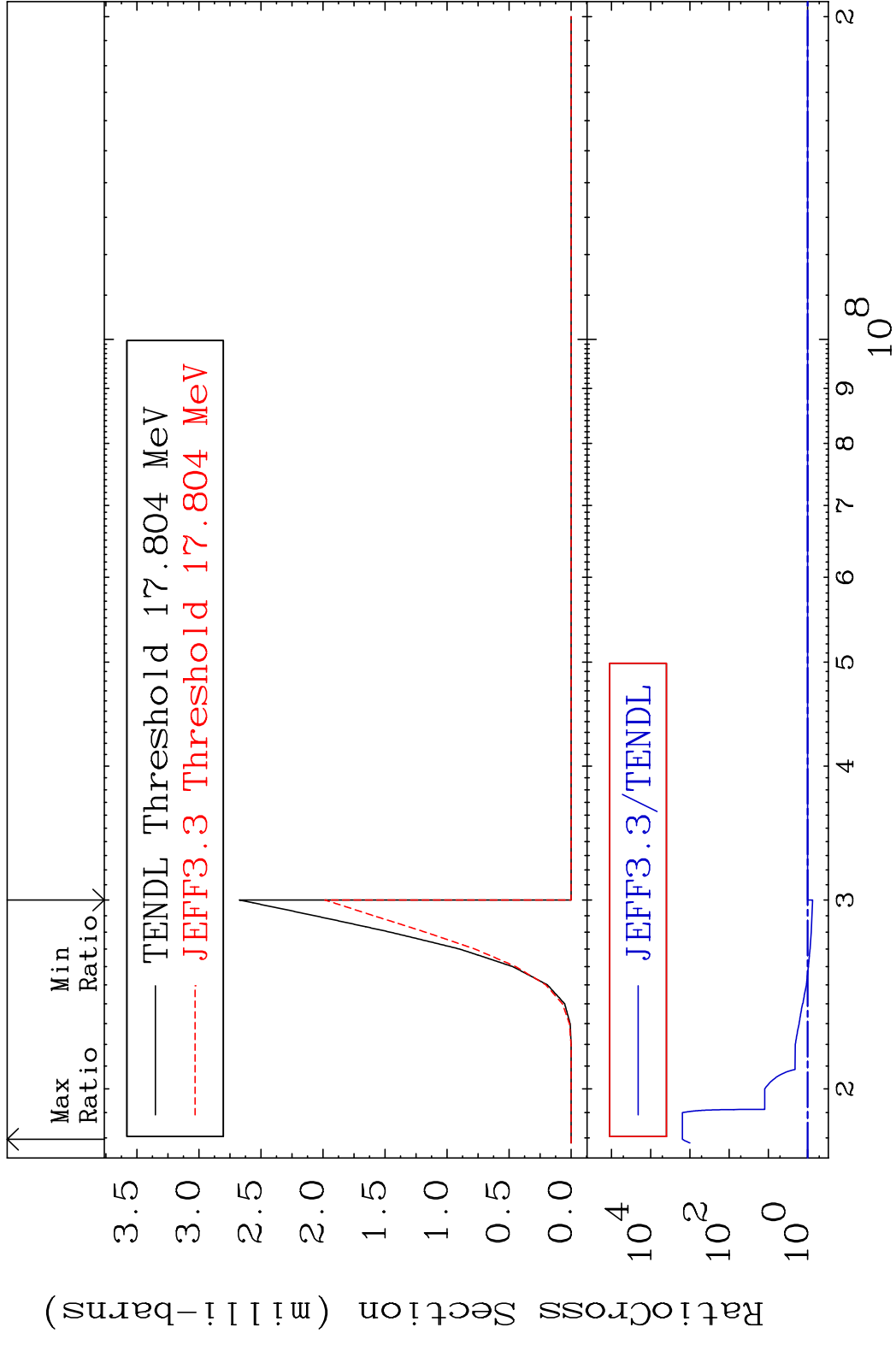
MAT 2319 (n, n') He-3:21-Sc-45g 23-V -48  
 Radionuclide Production Cross Section 615.7 %

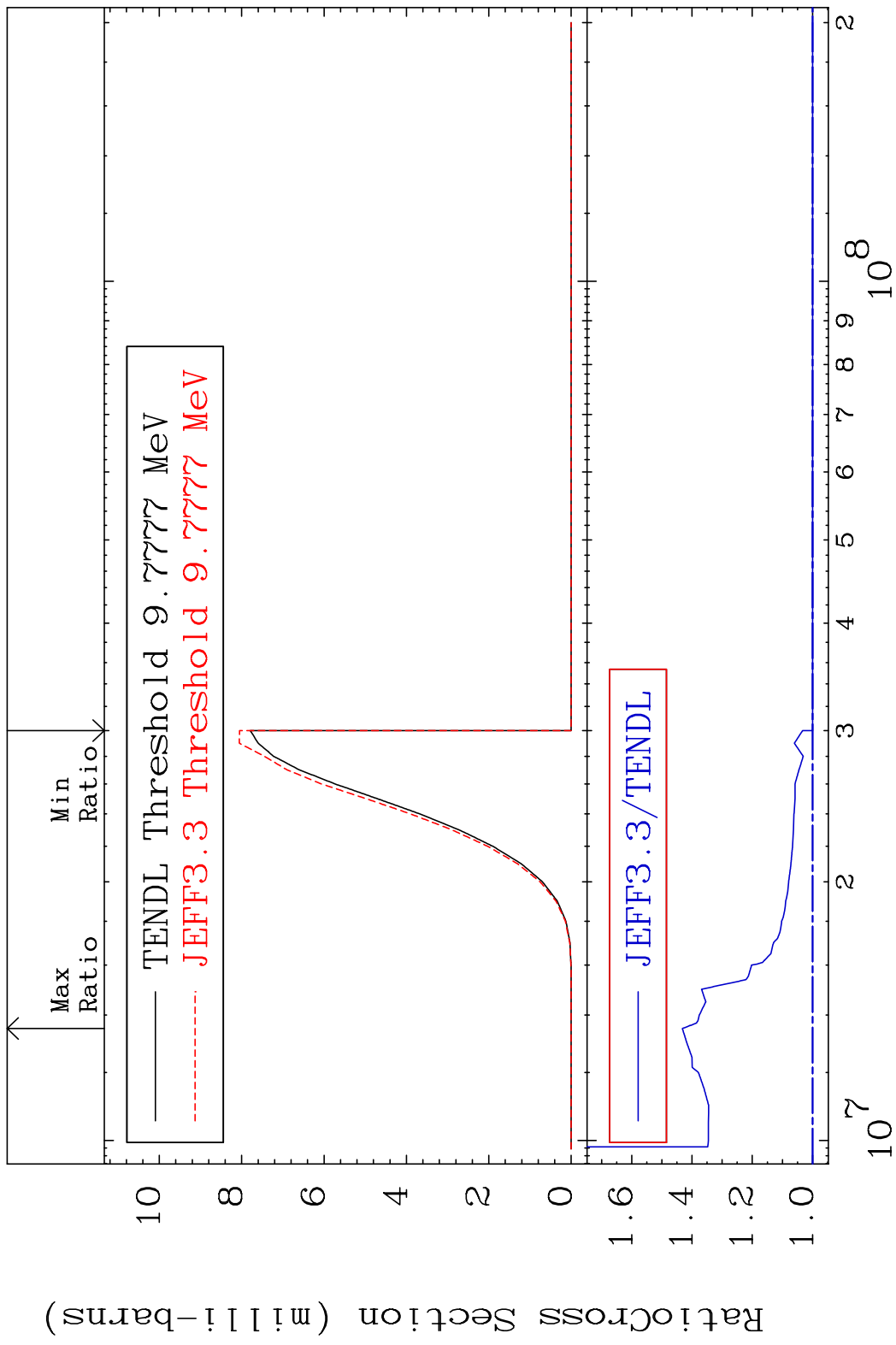


75 Incident Energy (eV) 23-V -48

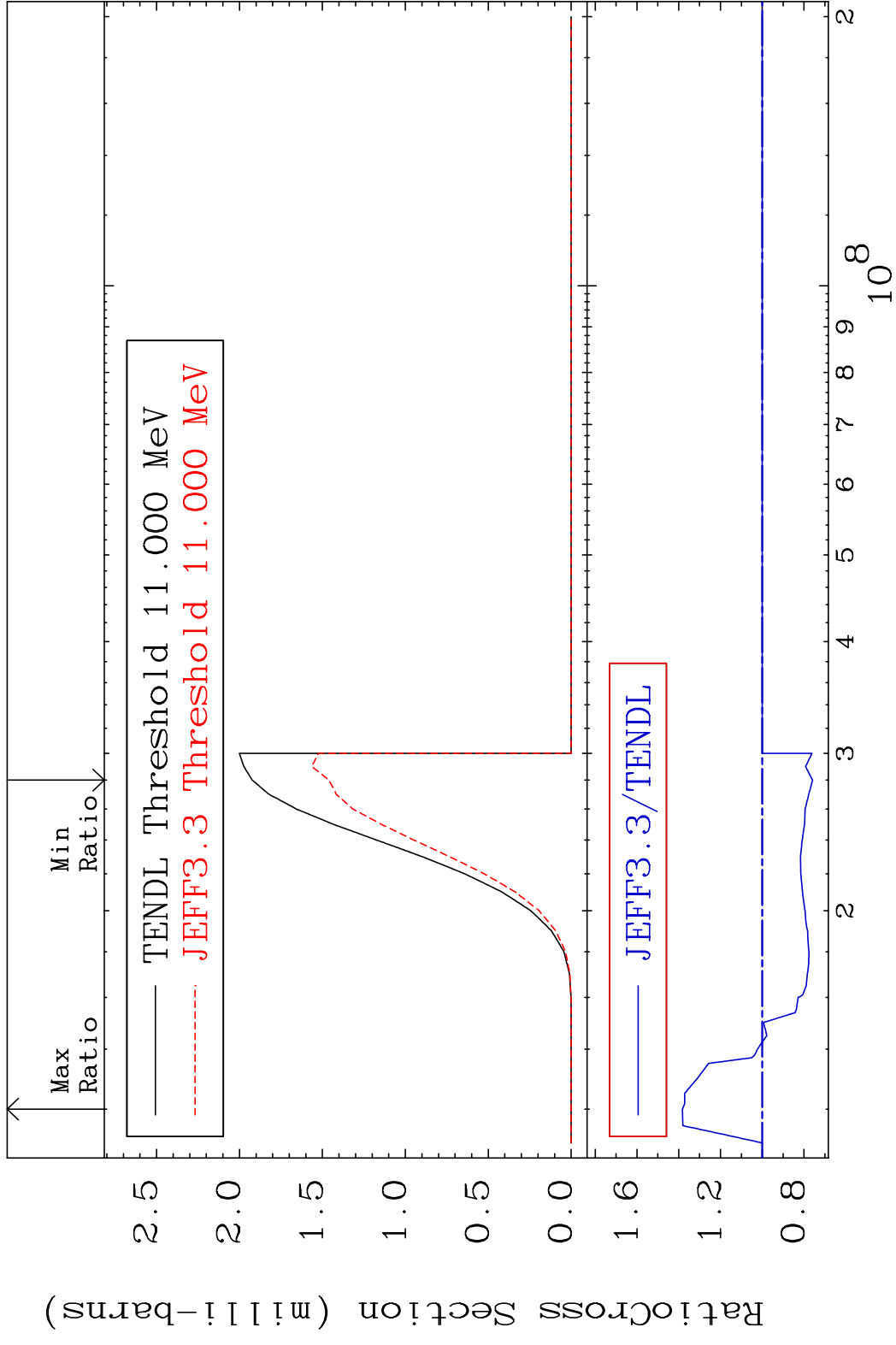


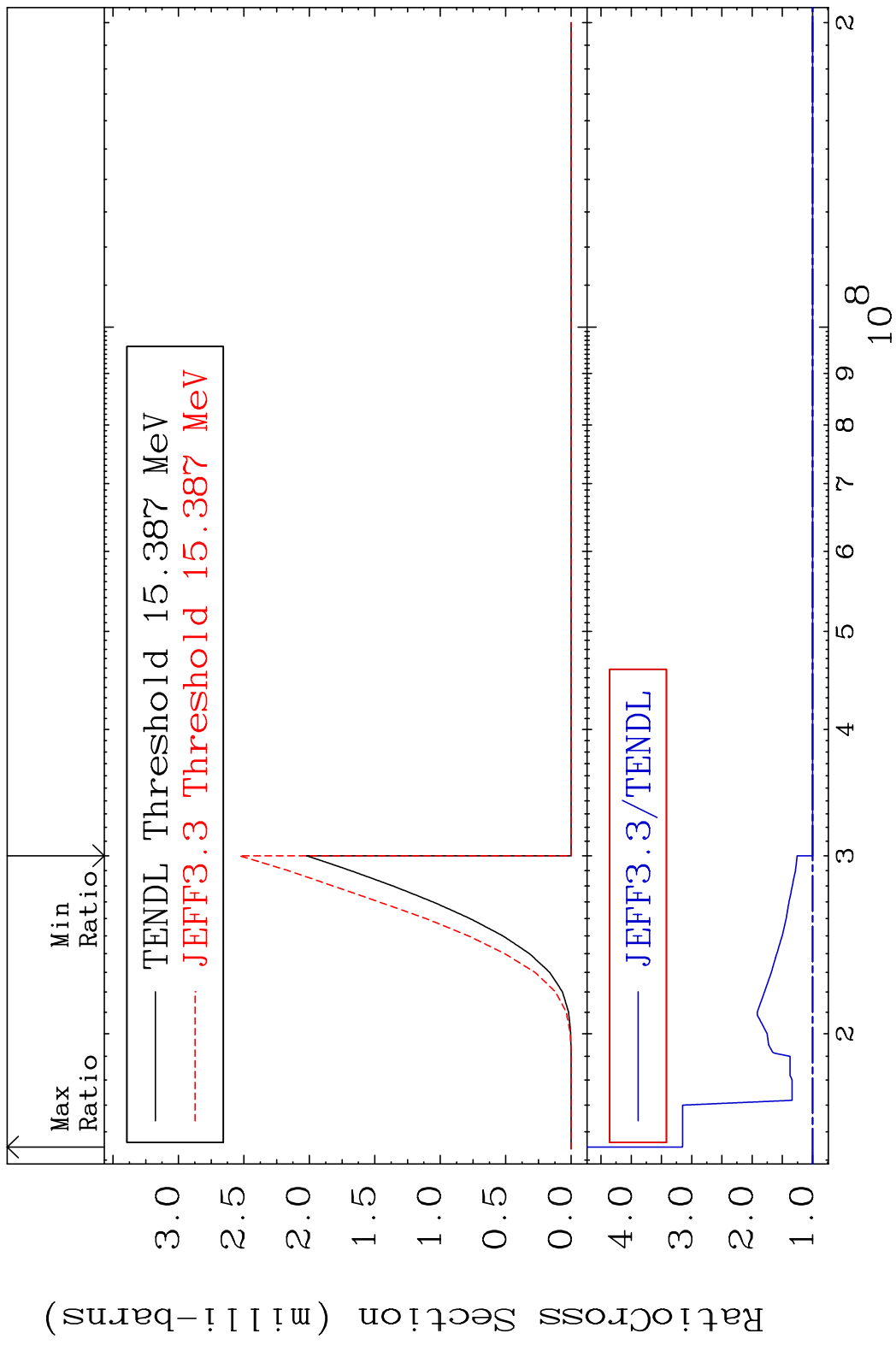


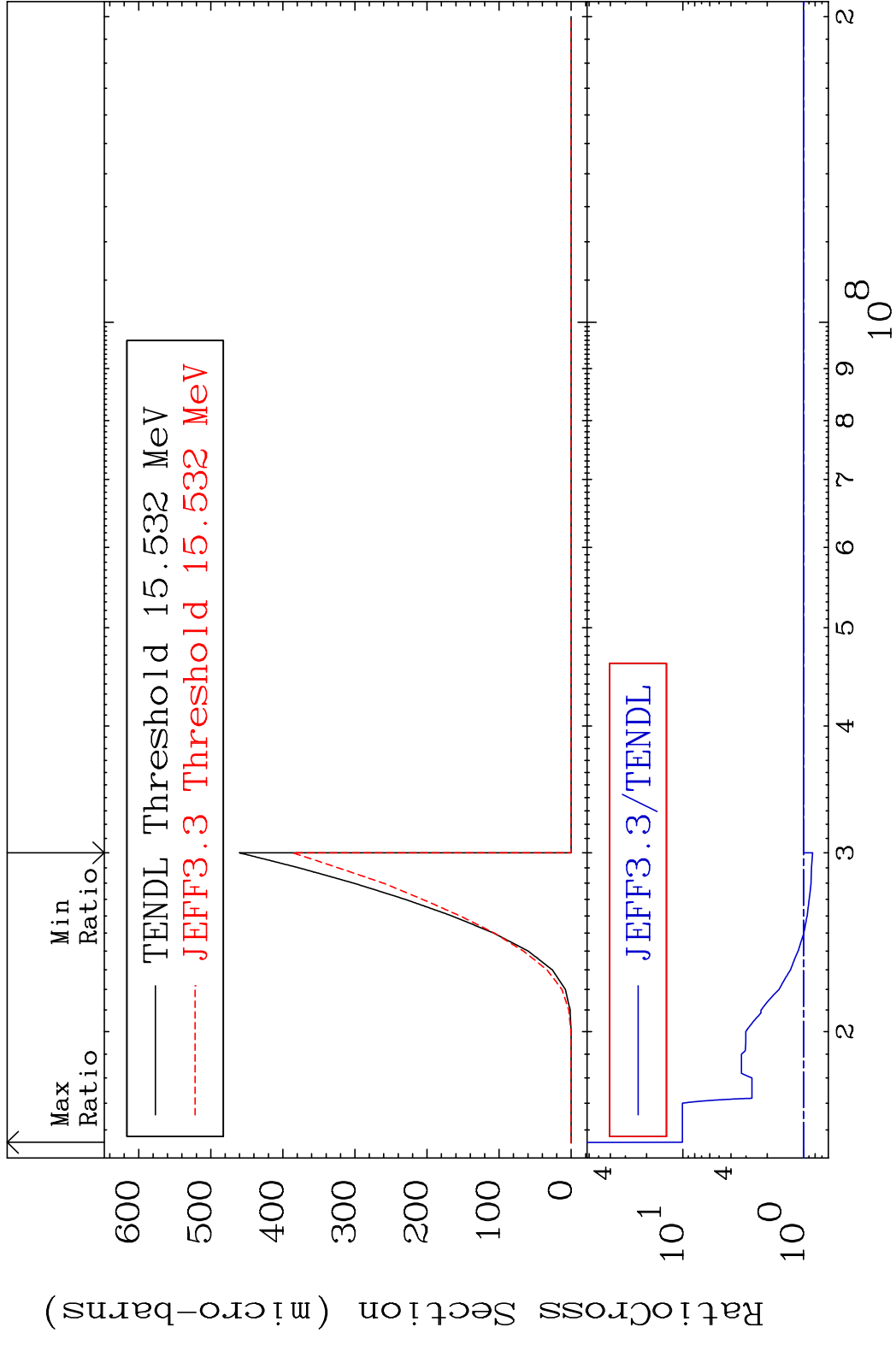




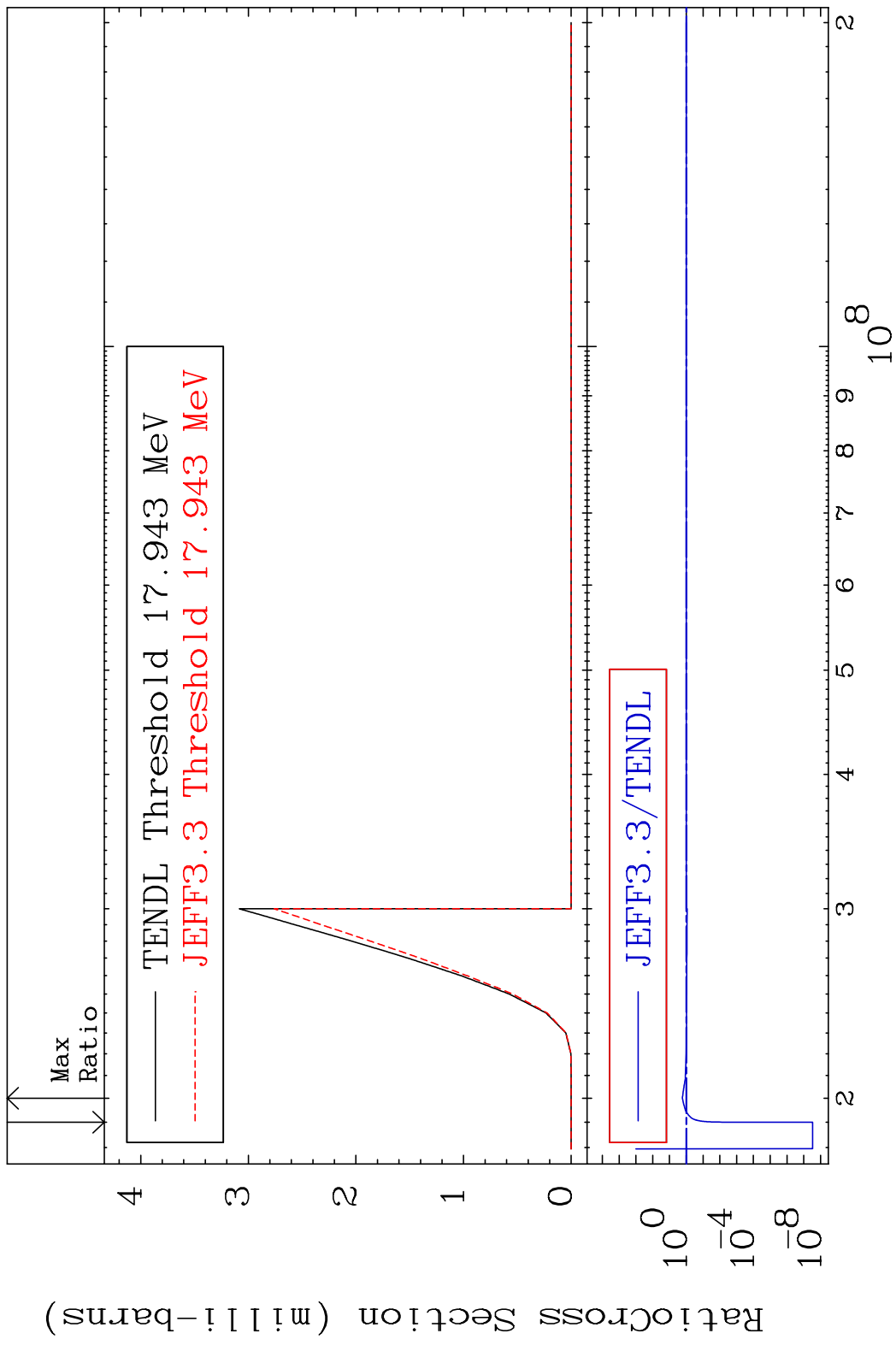








MAT 2319 (n,p) t:21-Sc-45g 23-V -48  
 Radionuclide Production Cross Section 180.01 dth 70.94 %



MAT 2319 (n,p) t:21-Sc-45m1 23-V -48  
 Radionuclide Production Cross Section 180.01 dth 60.65 %

