

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

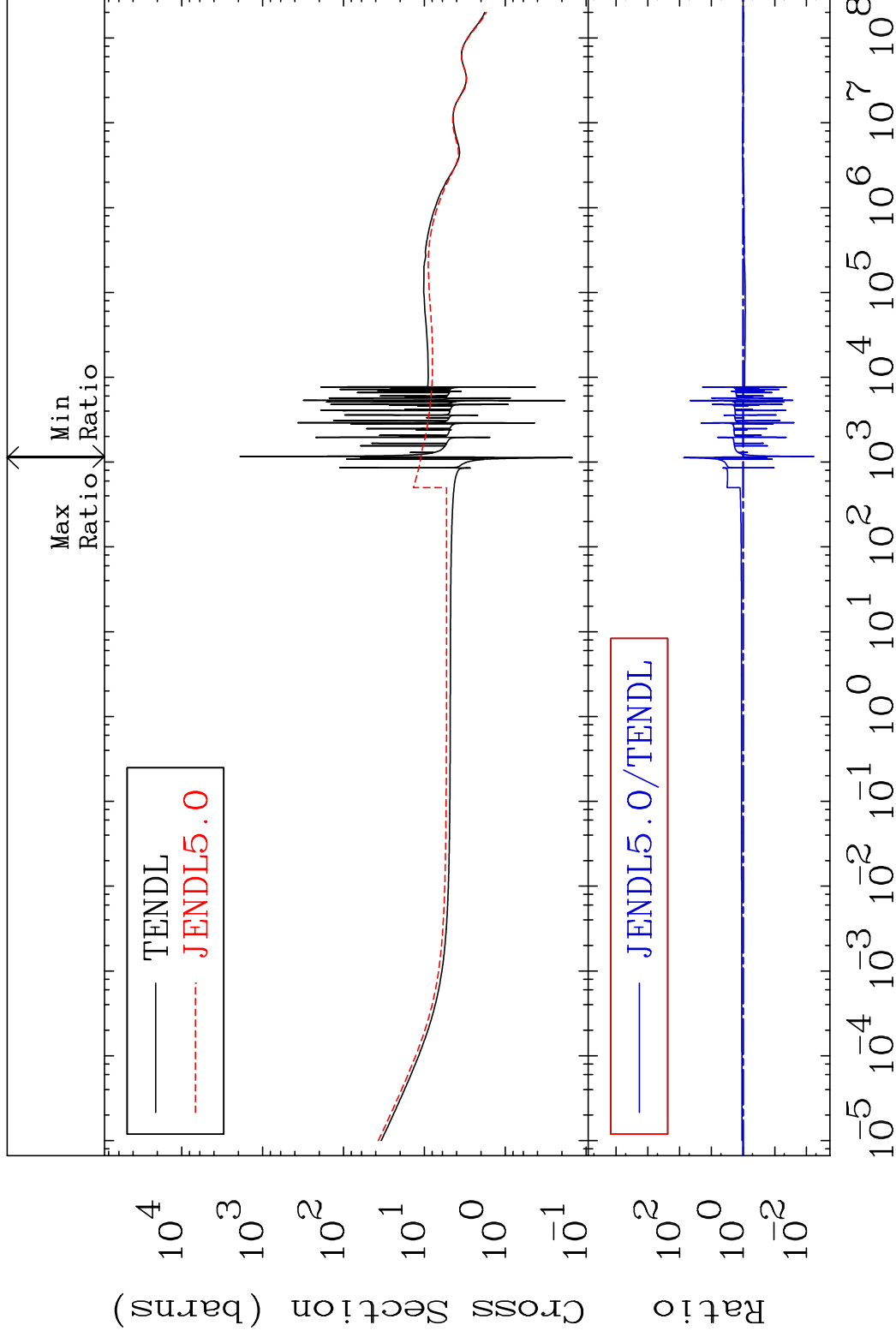
MAT 4455

Total

44-Ru-106

Cross Section

-99.43 To 7346. %



1

Incident Energy (eV)

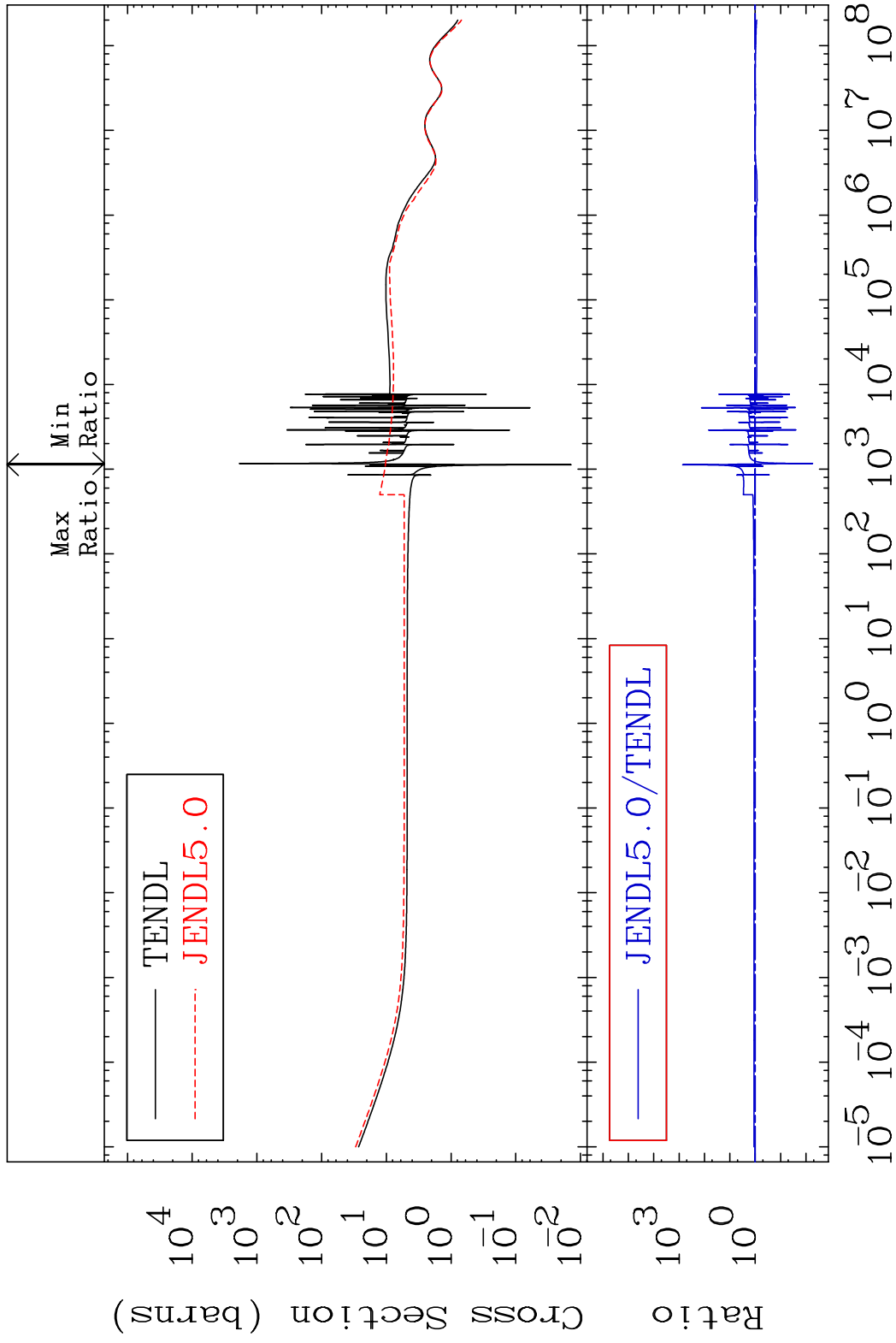
44-Ru-106

MAT 4455

Elastic

44-Ru-106

Cross Section -99.45 To 9999. %

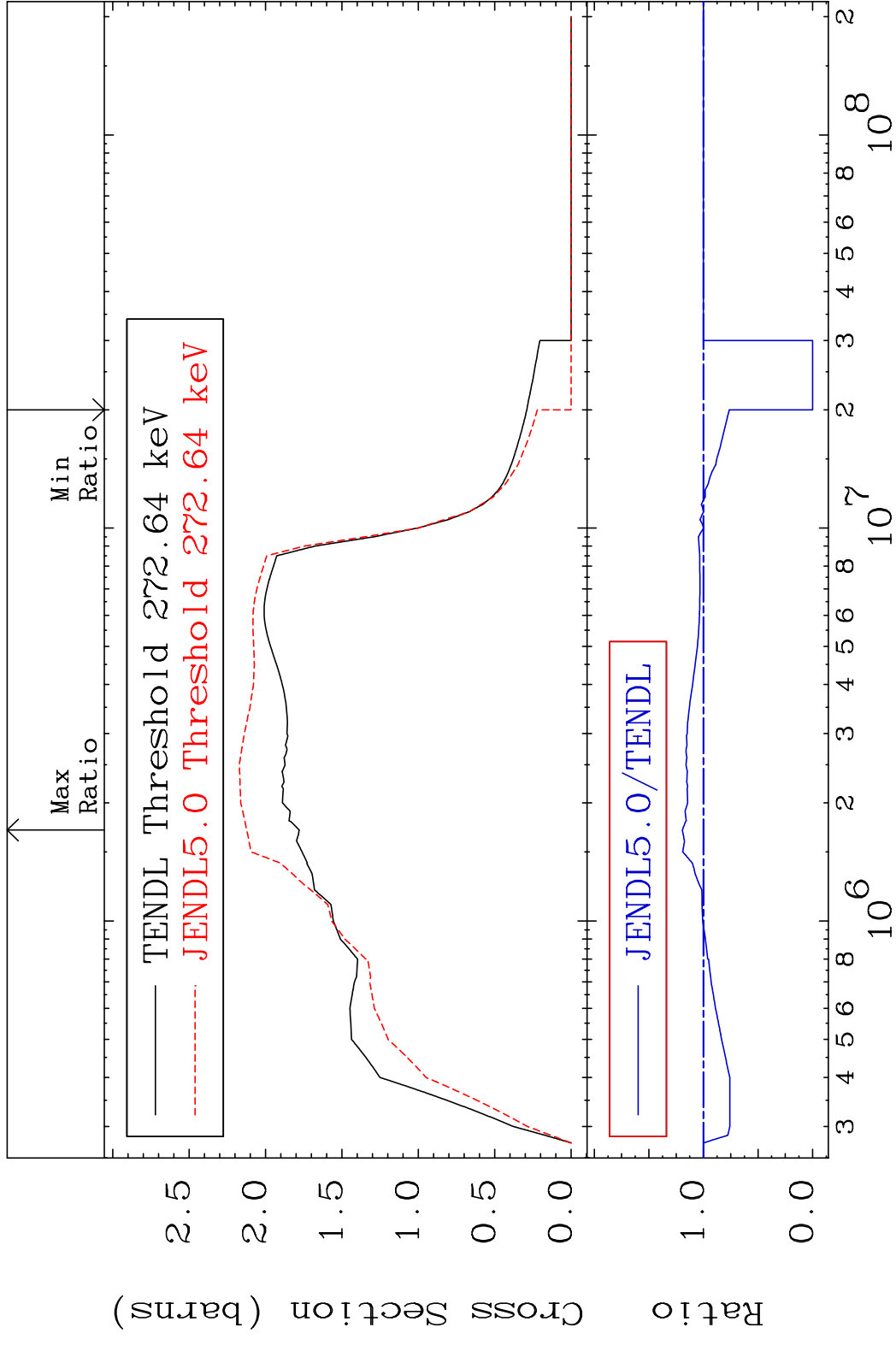


2

Incident Energy (eV)

44-Ru-106

MAT 4455 Inelastic 44-Ru-106  
 Cross Section -100.0 To 19.31 %

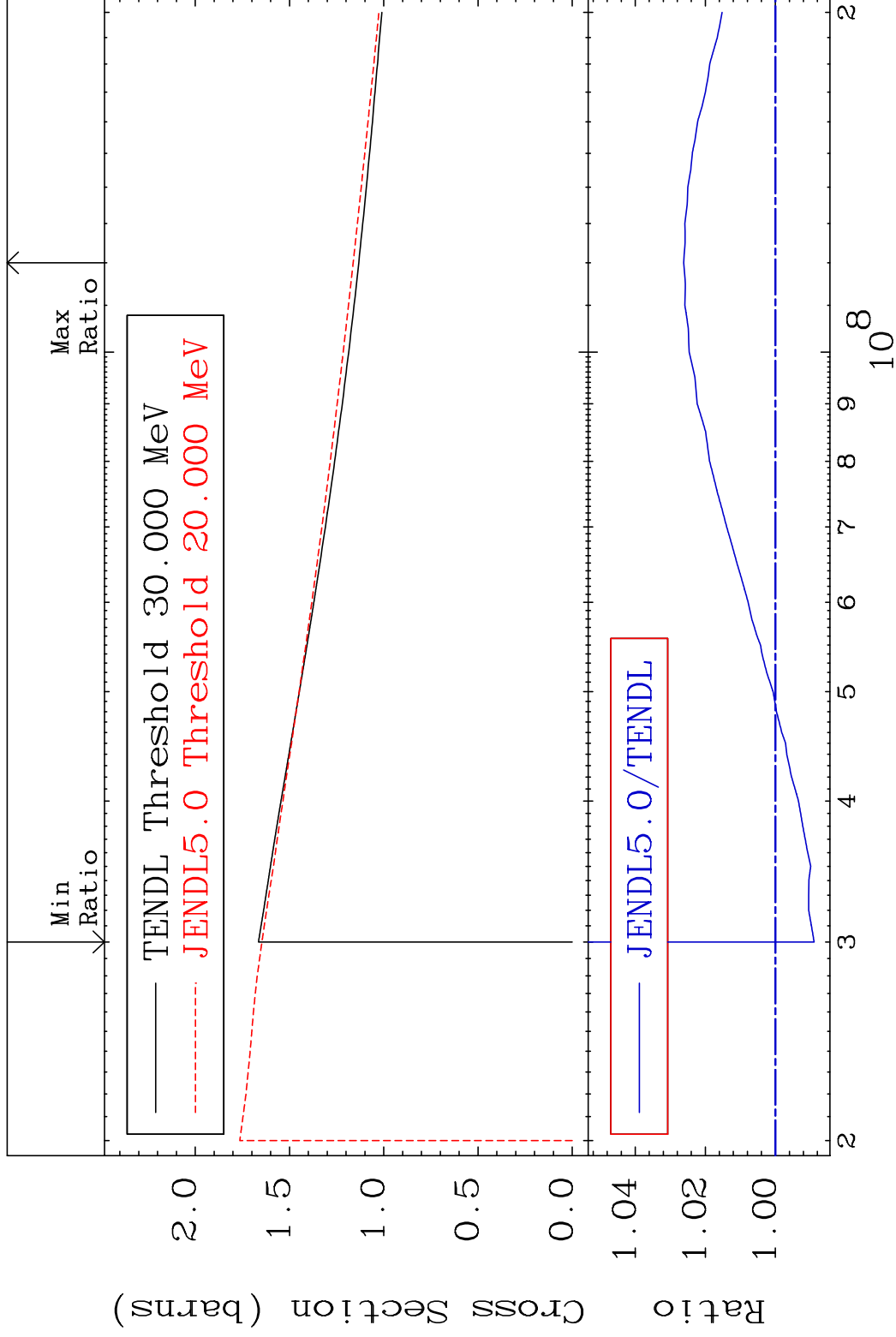


MAT 4455

(n, remainder)

44-Ru-106

Cross Section -1.105 To 2.619 %

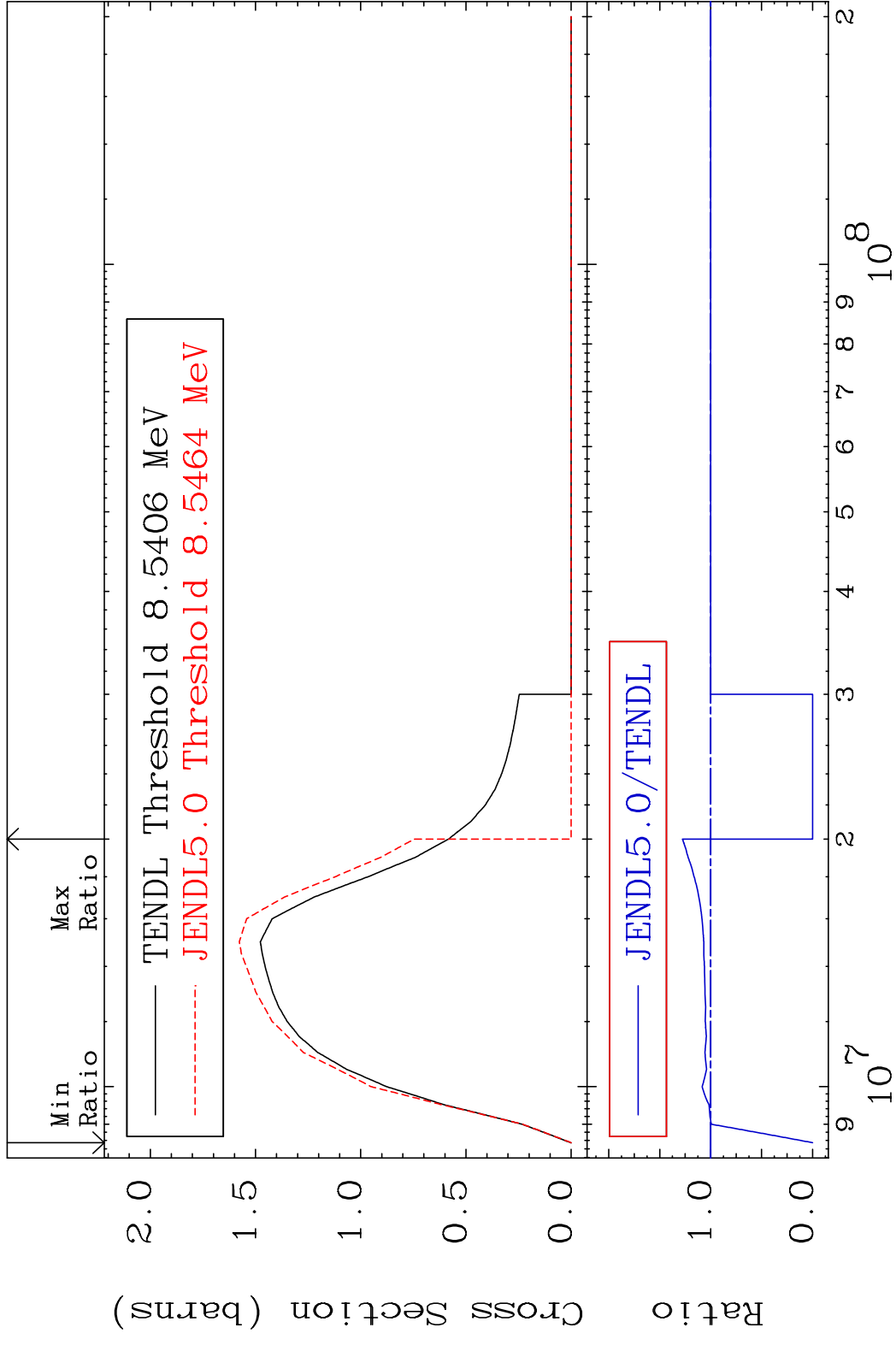


4

Incident Energy (eV)

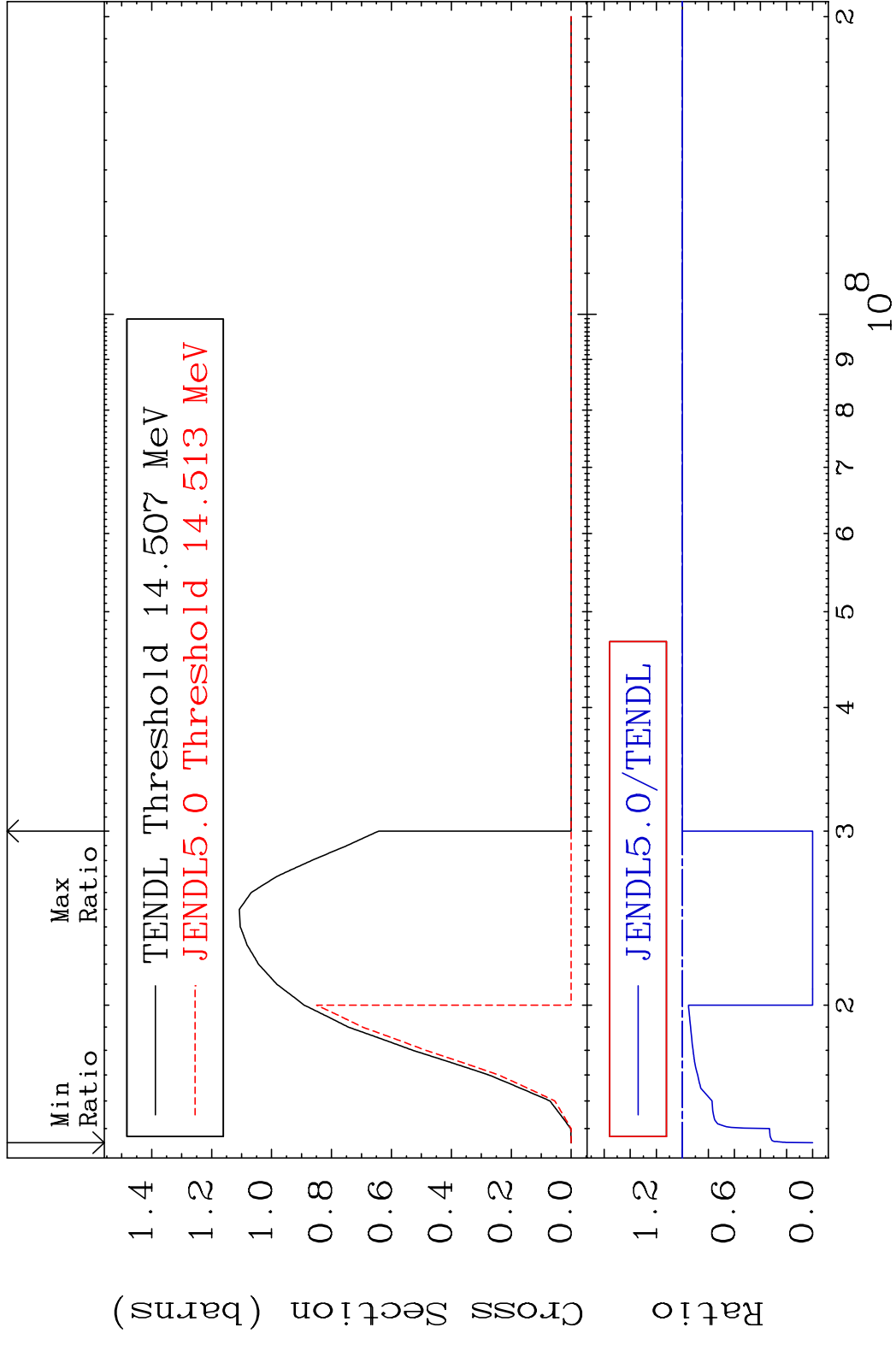
44-Ru-106

MAT 4455 (n,2n) 44-Ru-106  
 Cross Section -100.0 To 27.79 %



5 Incident Energy (eV) 44-Ru-106

MAT 4455 (n,3n) 44-Ru-106  
 Cross Section -100.0 To 0.000 %

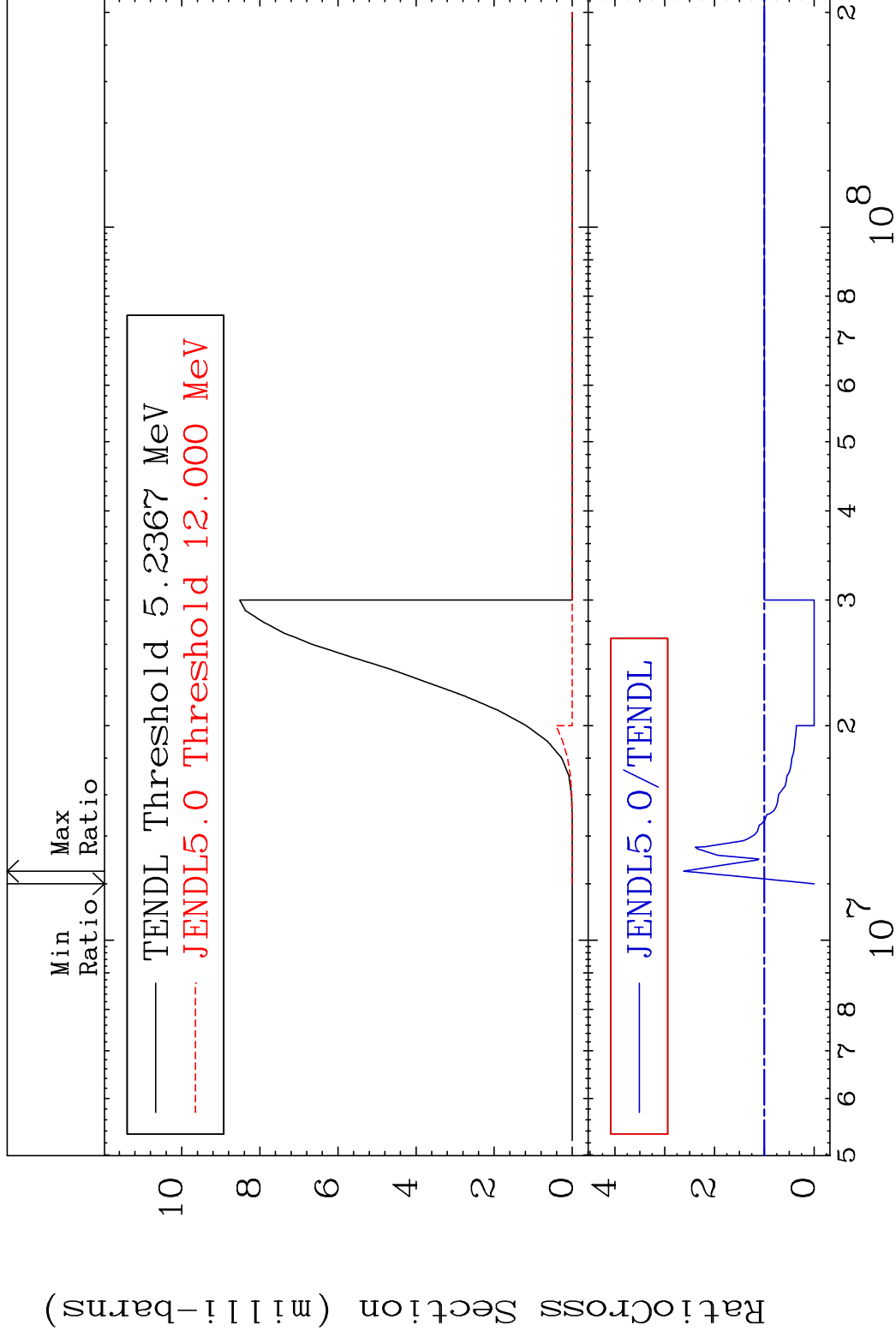


MAT 4455

(n, n')  $\alpha$

44-Ru-106

Cross Section -100.0 To 162.0 %

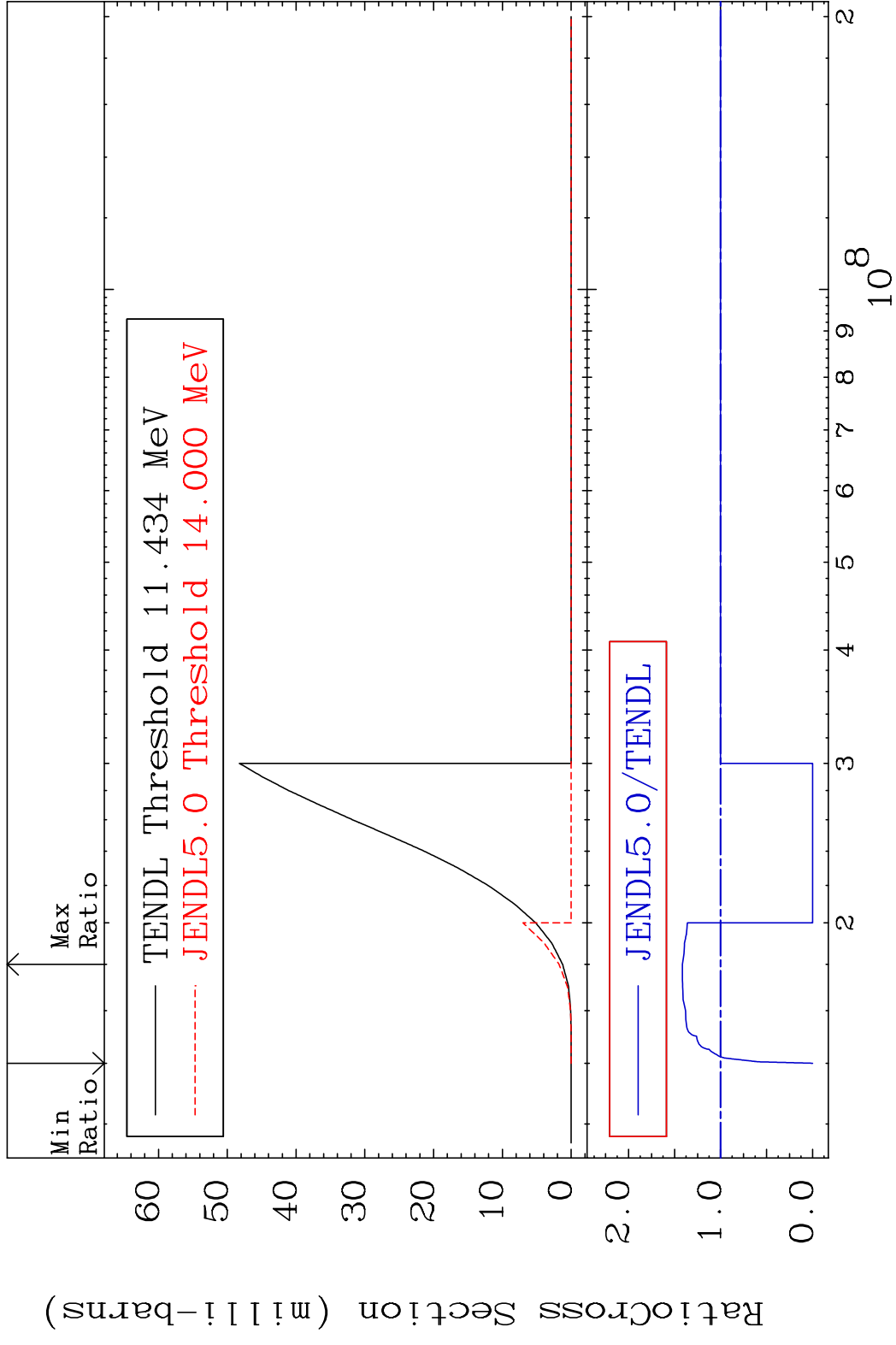


7

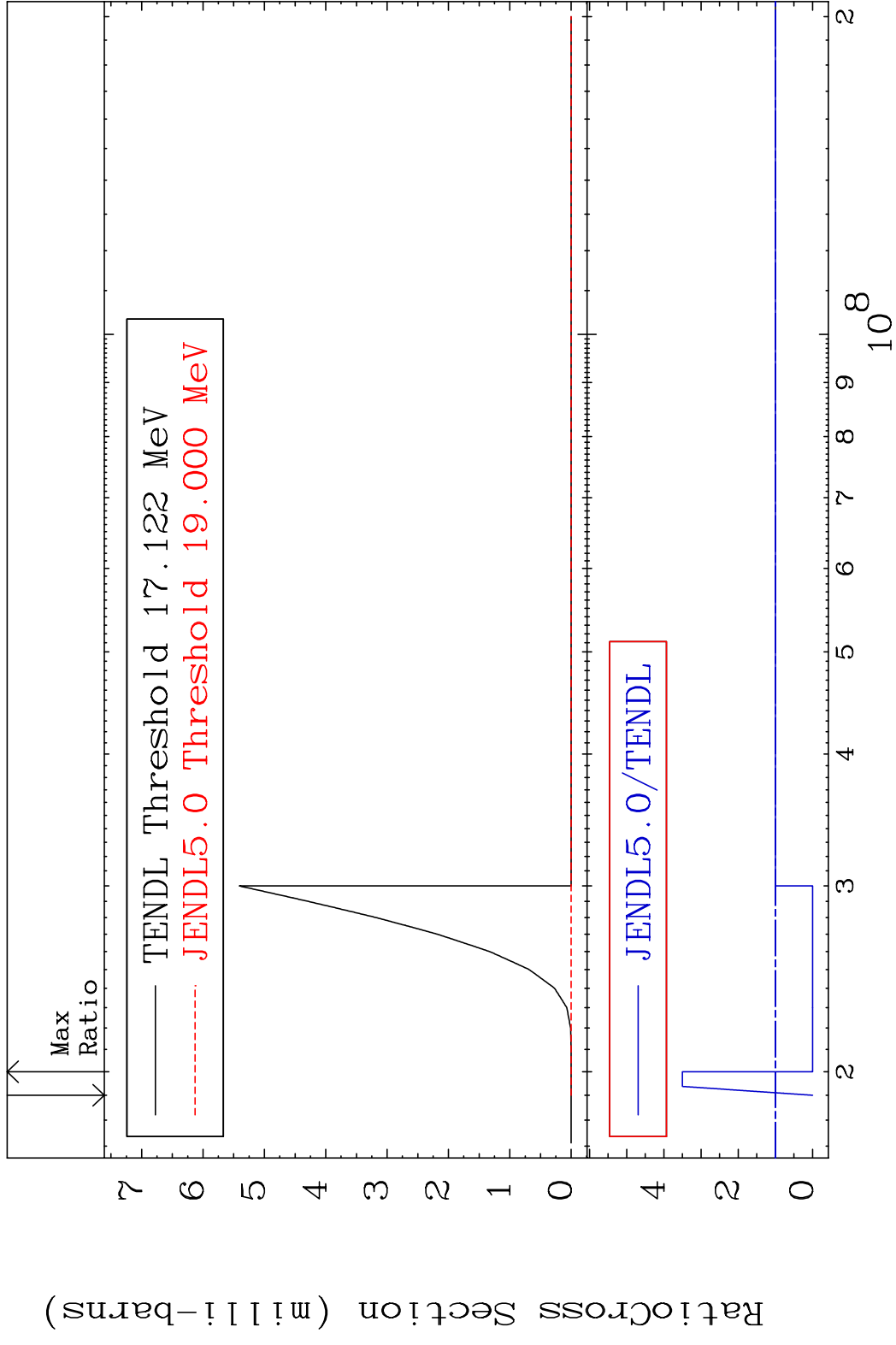
Incident Energy (eV)

44-Ru-106

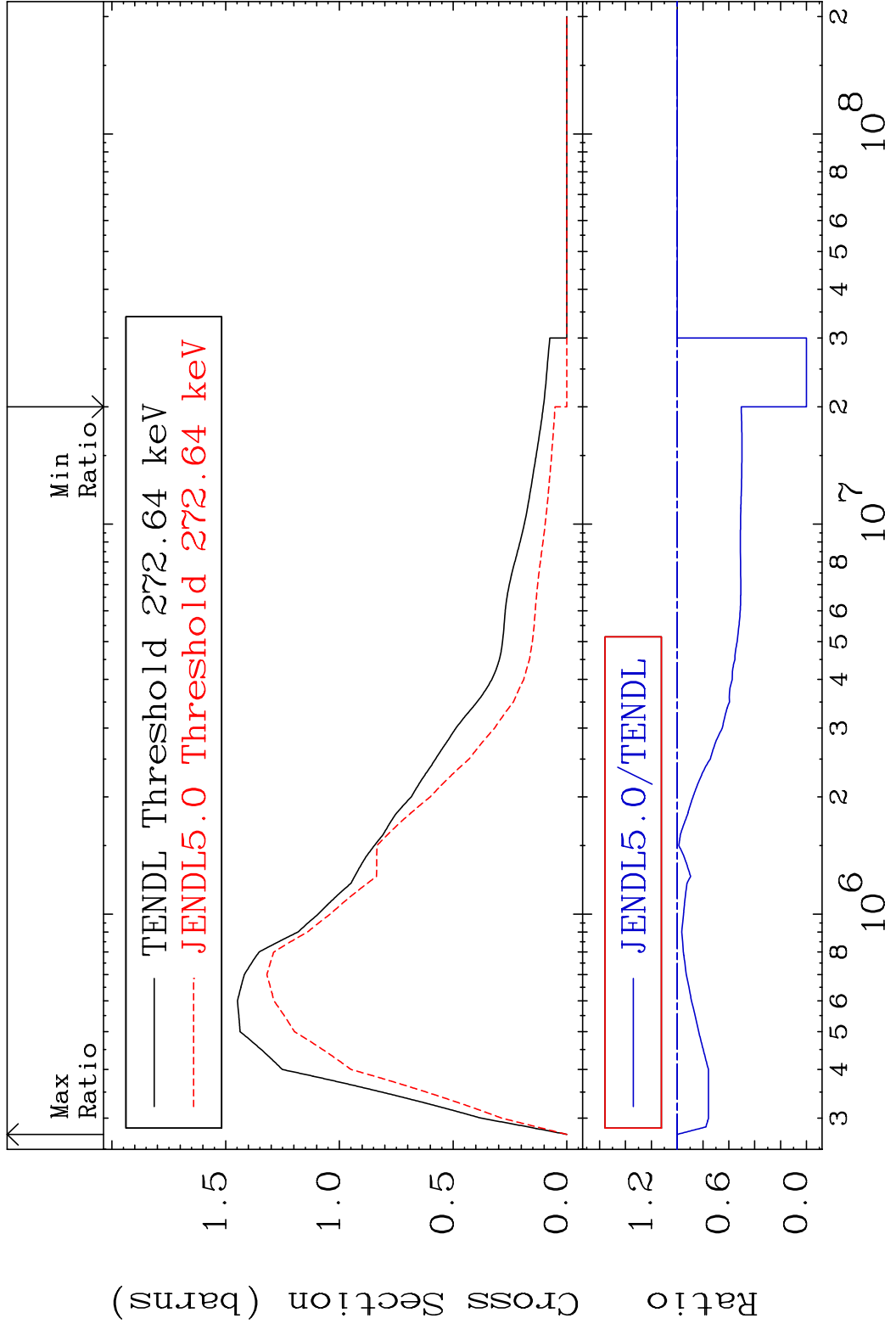
MAT 4455 (n, n') p 44-Ru-106  
 Cross Section -100.0 To 41.55 %



MAT 4455 (n, n') d 44-Ru-106  
 Cross Section -100.0 To 250.3 %

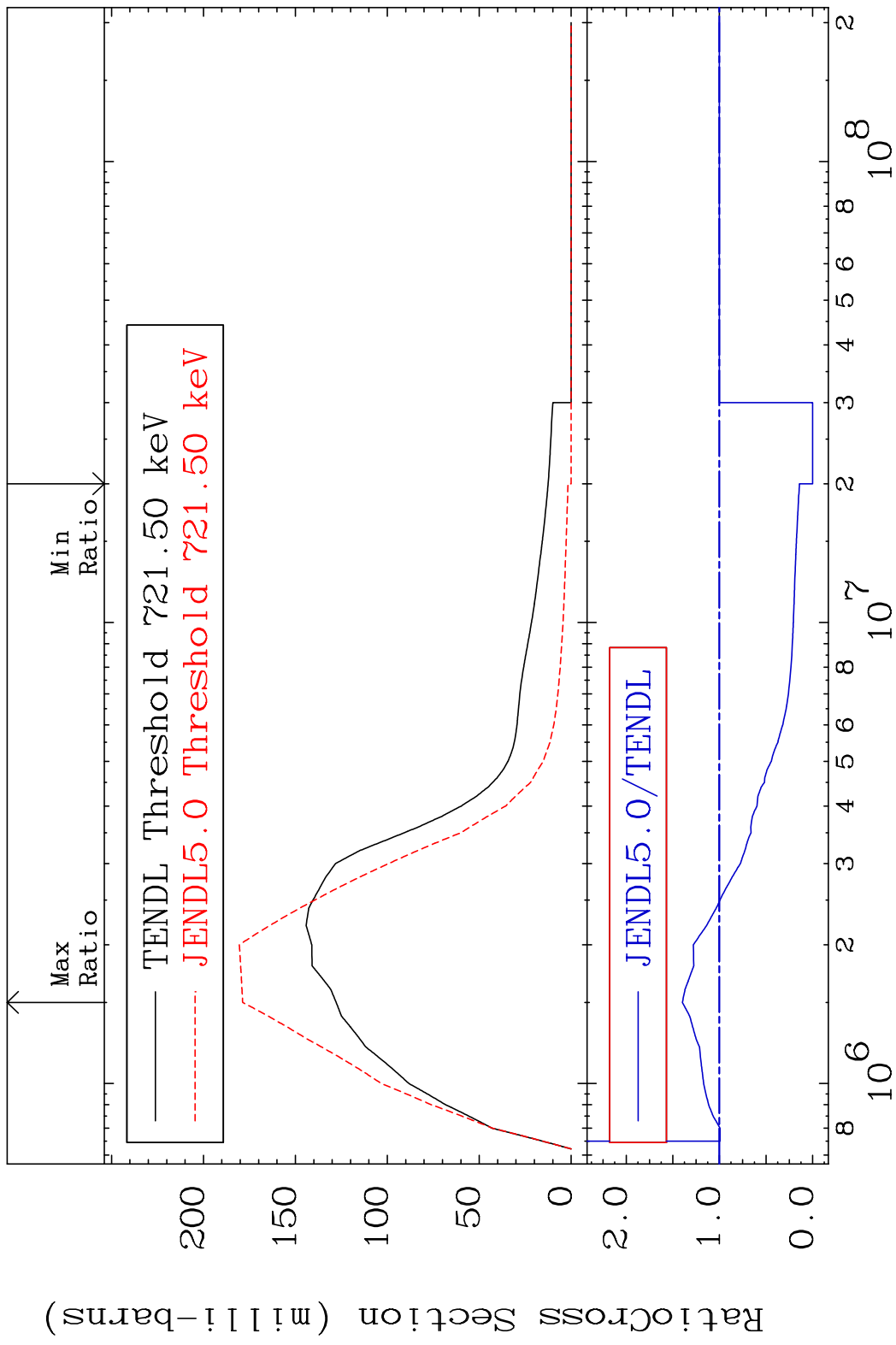


MAT 4455 MT= 51 (n,n') Level 44-Ru-106  
 Cross Section -100.0 To 0.000 %



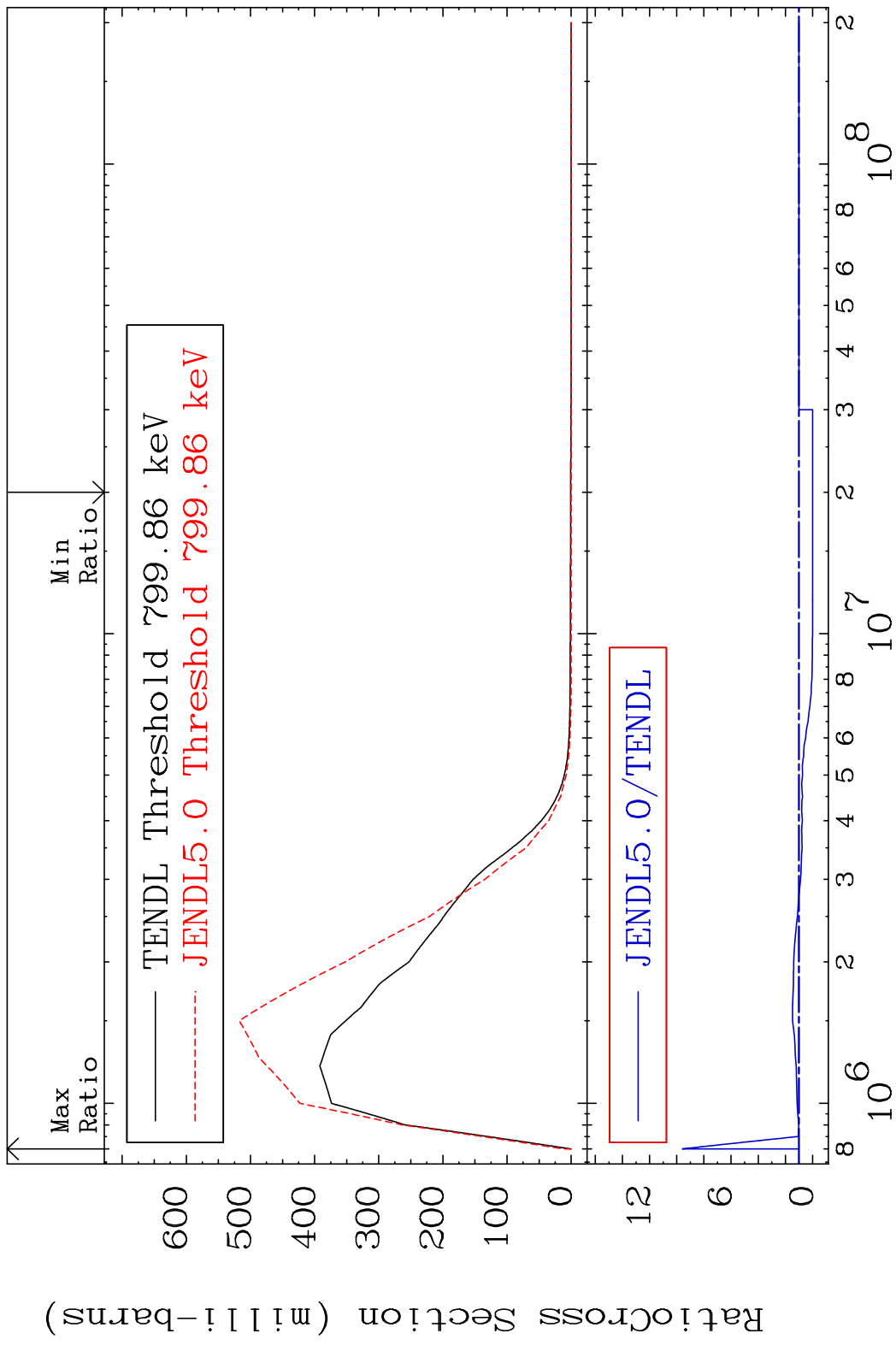
10 44-Ru-106

MAT 4455 MT= 52 (n, n') Level 44-Ru-106  
 Cross Section -100.0 To 39.78 %



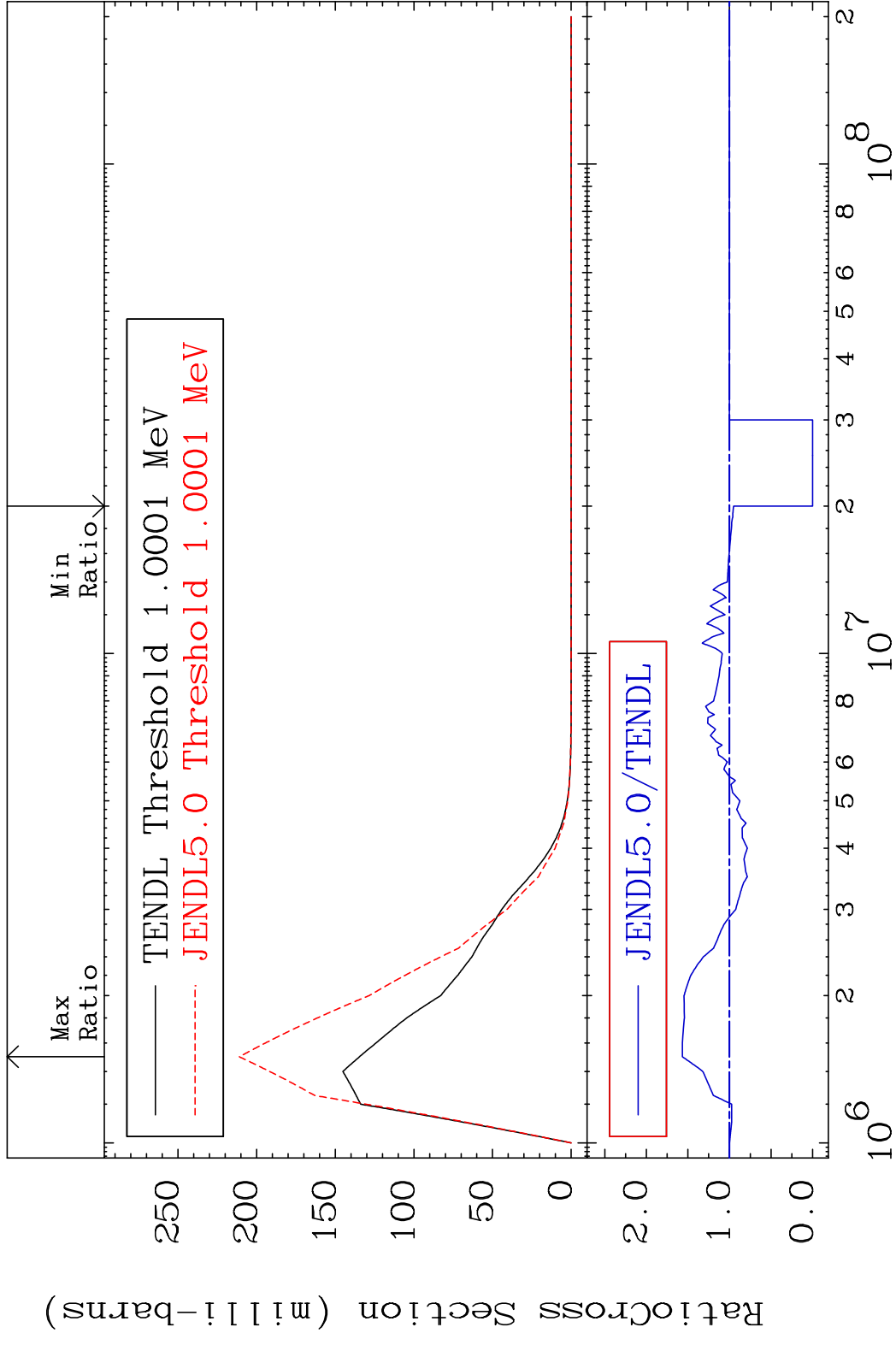
11 Incident Energy (eV) 44-Ru-106

MAT 4455 MT= 53 (n, n') Level 44-Ru-106  
 Cross Section -100.0 To 858.7 %



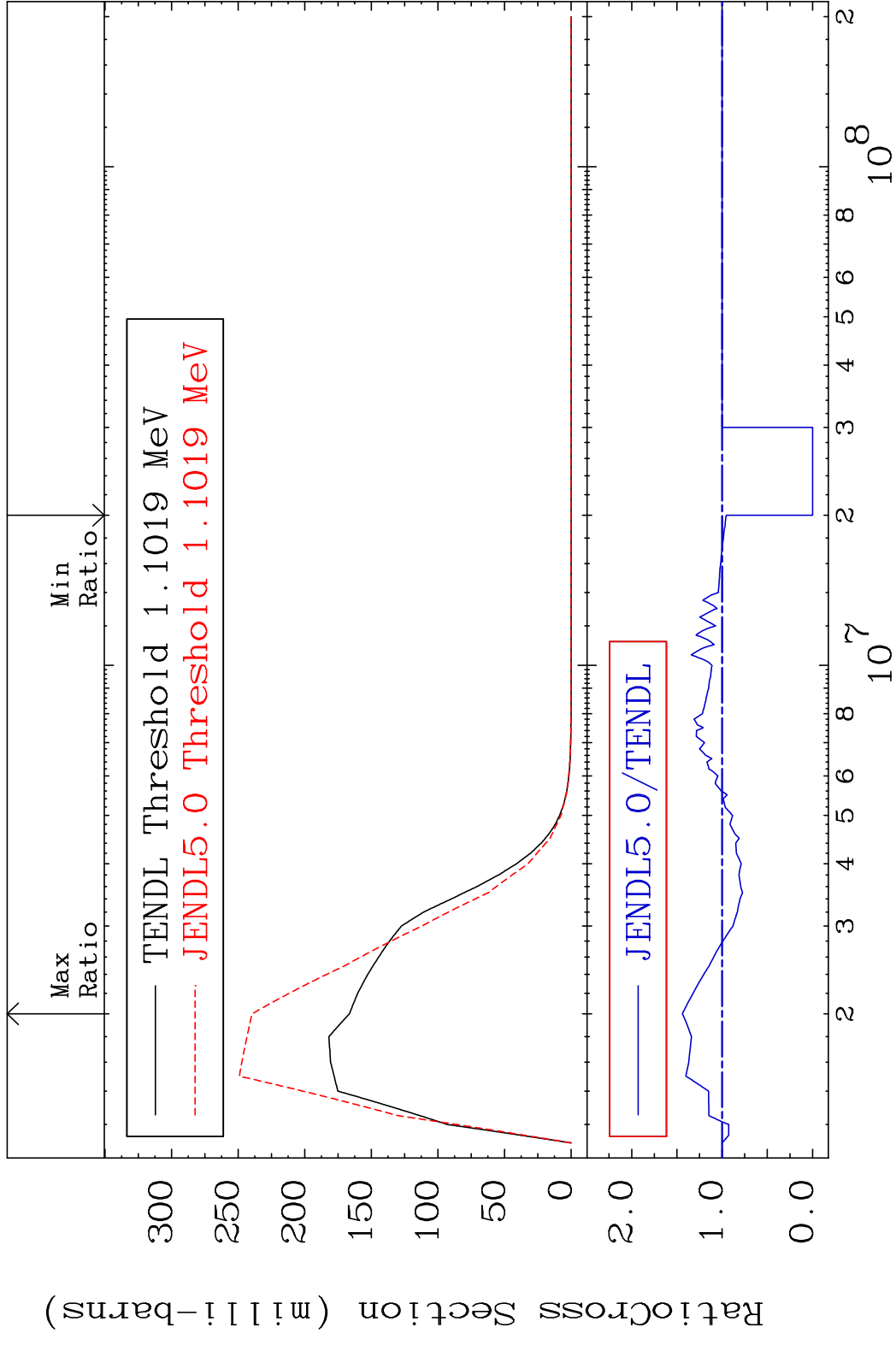
12 Incident Energy (eV) 44-Ru-106

MAT 4455 MT= 54 (n, n') Level 44-Ru-106  
 Cross Section -100.0 To 56.72 %

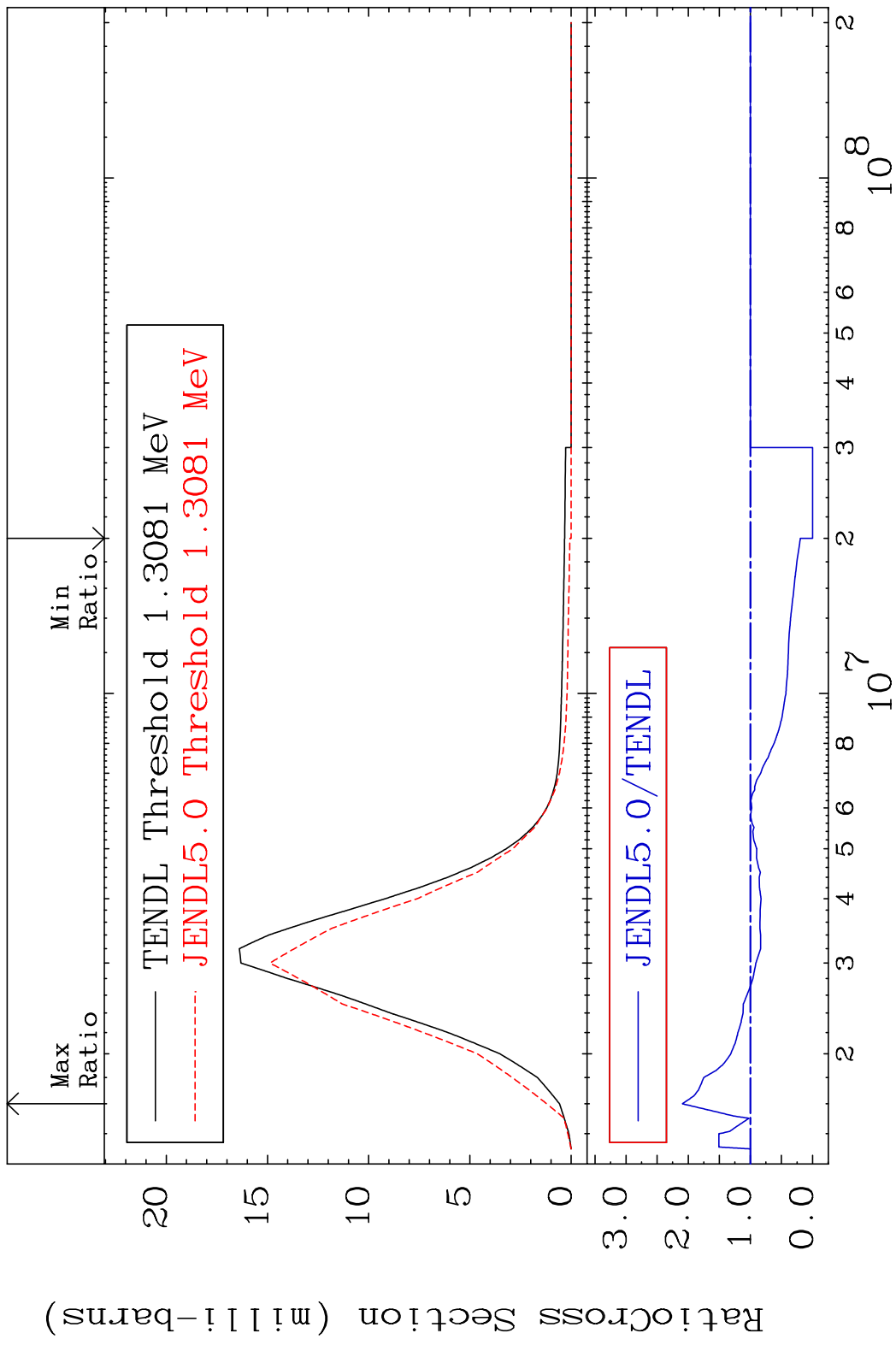


13 Incident Energy (eV) 44-Ru-106

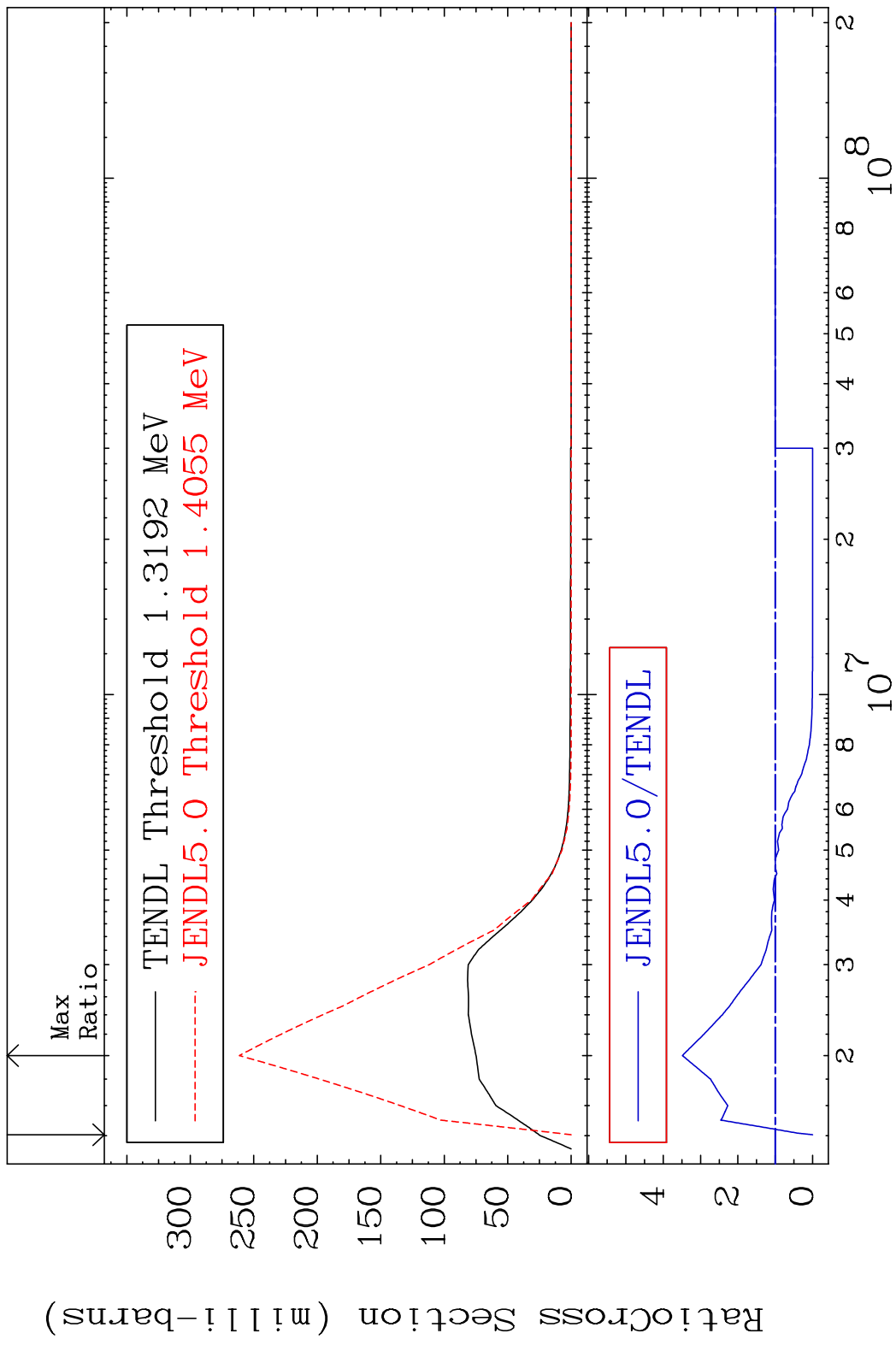
MAT 4455 MT= 55 (n, n') Level 44-Ru-106  
 Cross Section -100.0 To 43.95 %



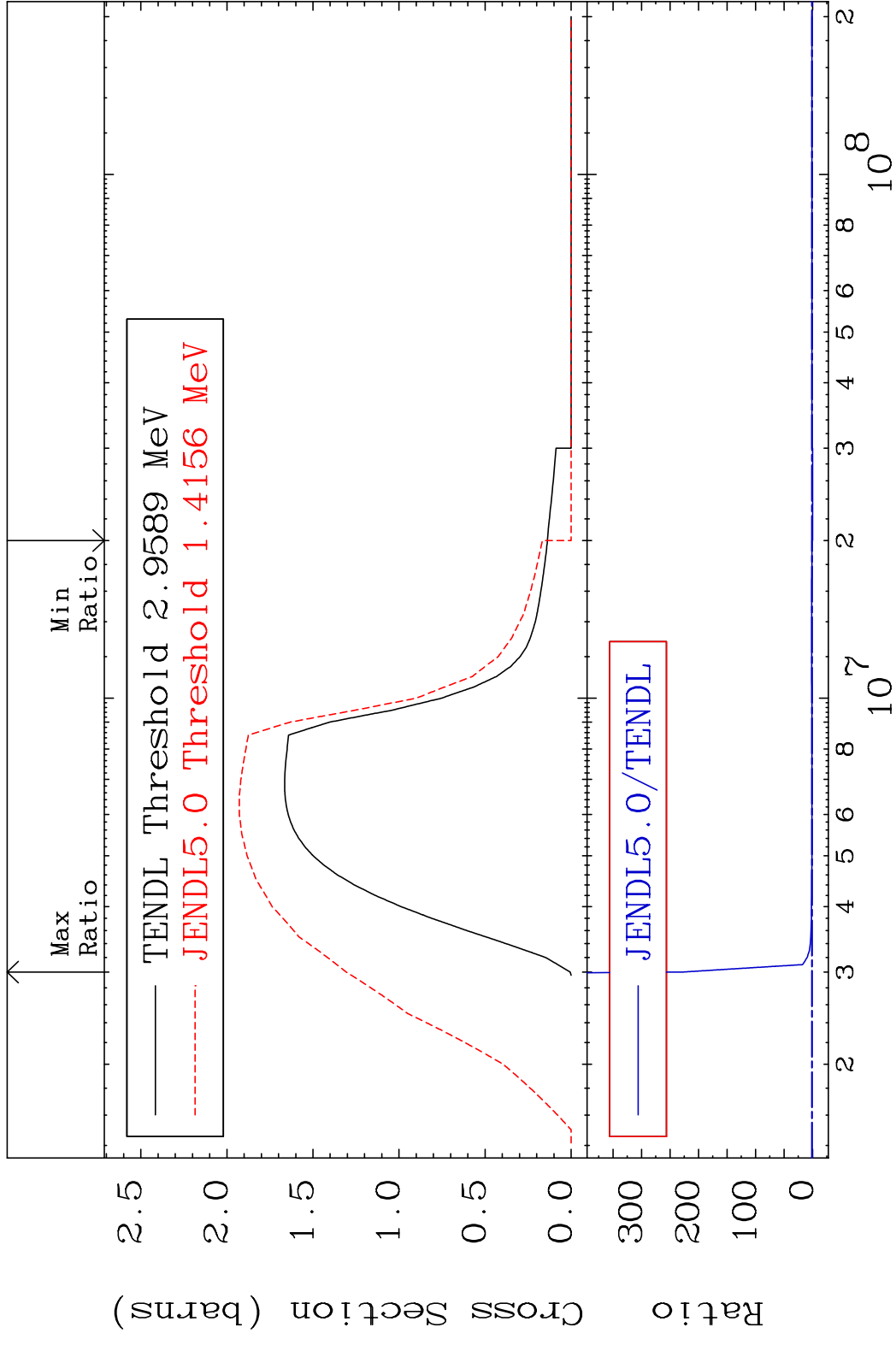
MAT 4455 MT= 56 (n, n') Level 44-Ru-106  
 Cross Section -100.0 To 109.4 %



MAT 4455 MT= 57 (n, n') Level 44-Ru-106  
 Cross Section -100.0 To 248.8 %



MAT 4455 (n, n') Continuum 44-Ru-106  
 Cross Section -100.0 To 9999. %

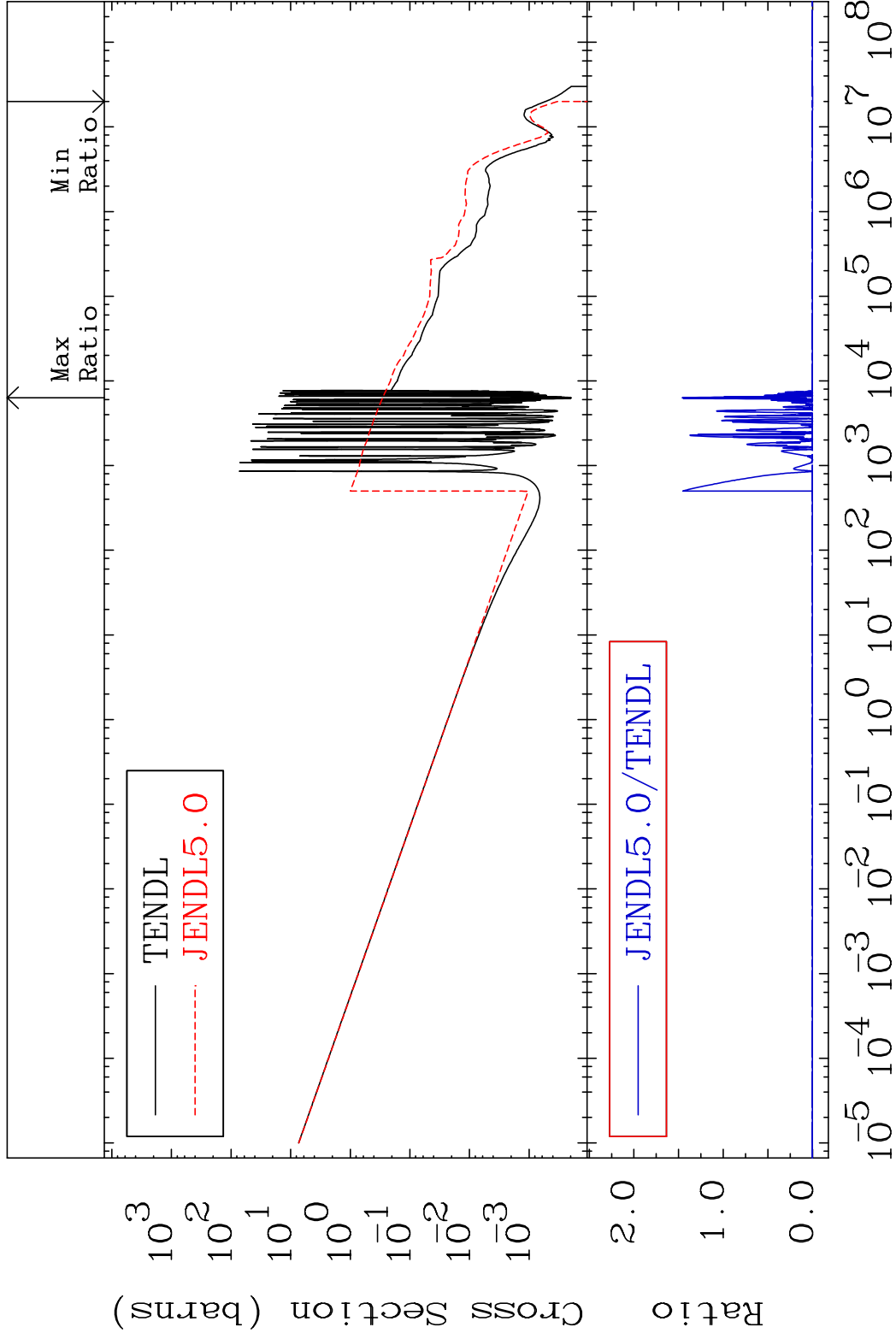


MAT 4455

(n,  $\gamma$ )

44-Ru-106

Cross Section -100.0 To 9999. %



18

Incident Energy (eV)

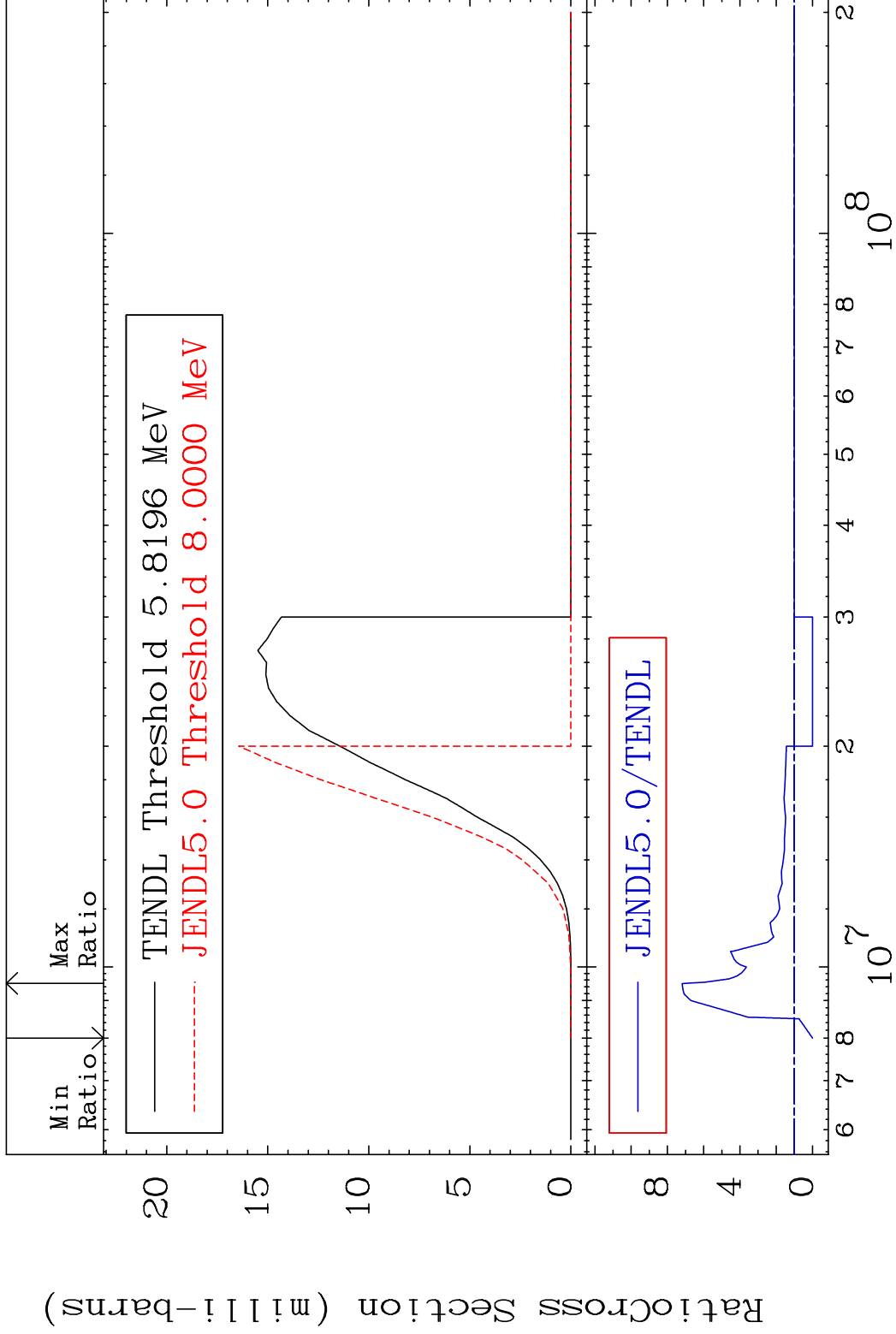
44-Ru-106

MAT 4455

(n,p)

44-Ru-106

Cross Section -100.0 To 618.7 %



19

Incident Energy (eV)

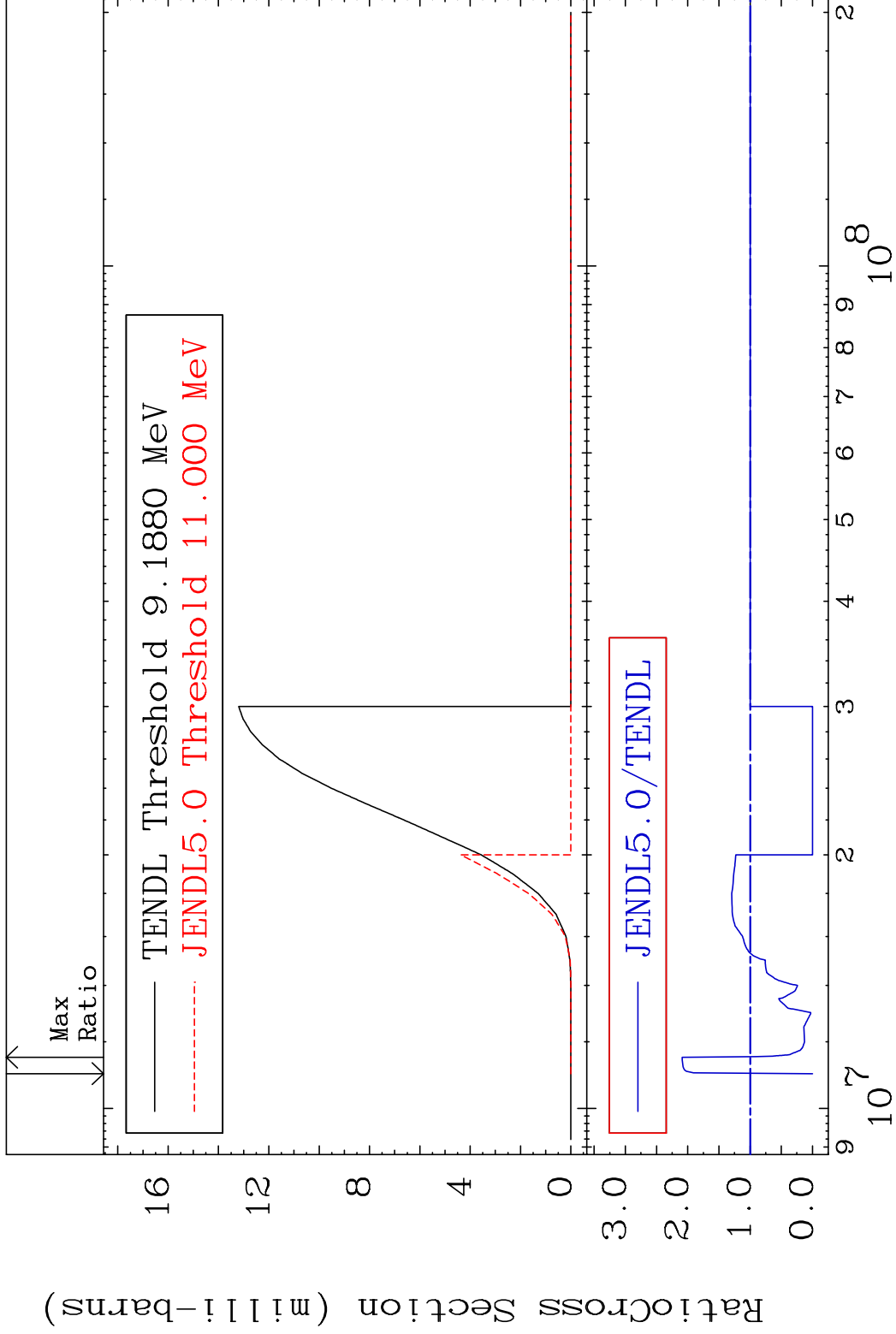
44-Ru-106

MAT 4455

(n,d)

44-Ru-106

Cross Section -100.0 To 108.9 %

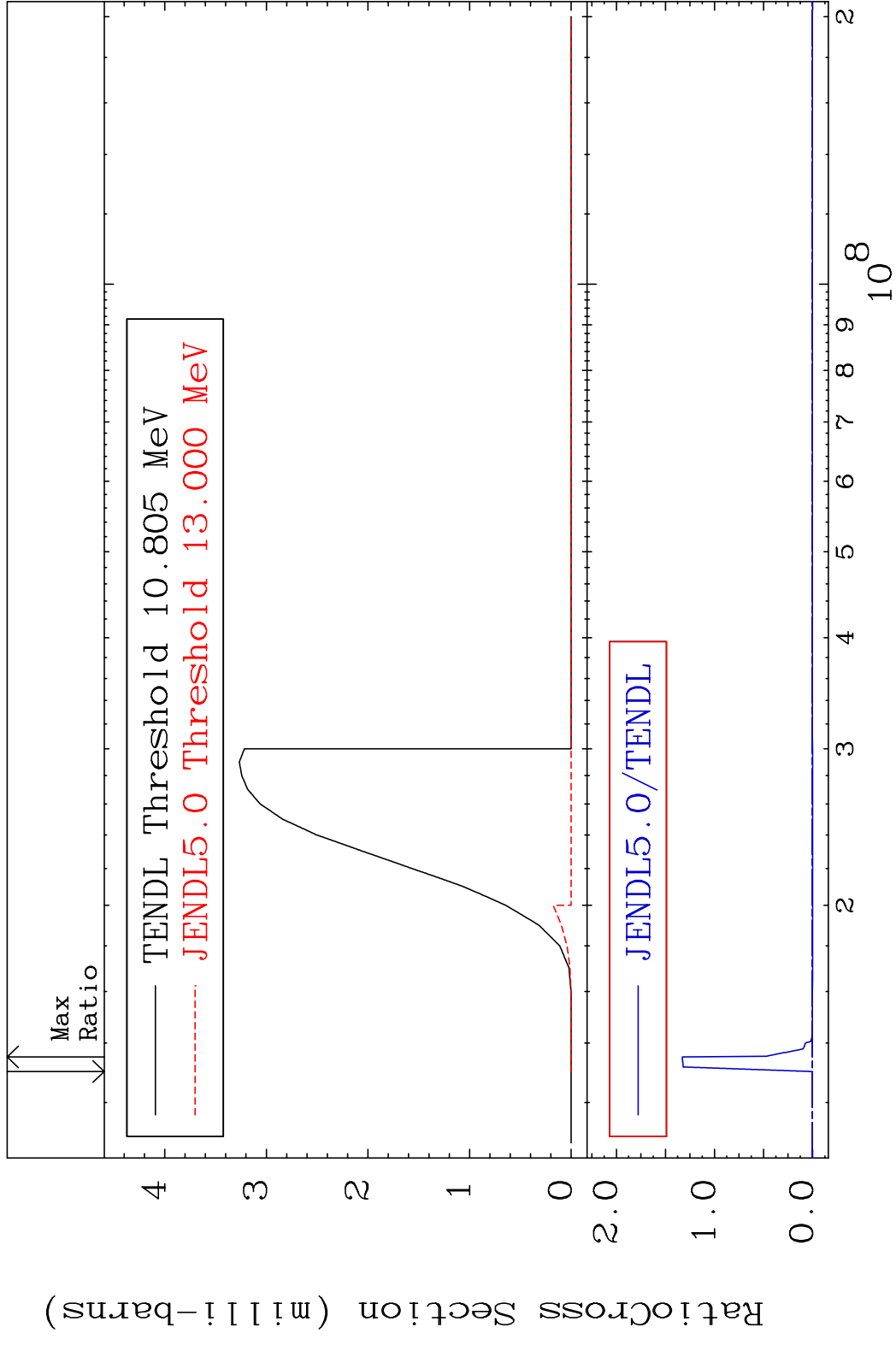


20

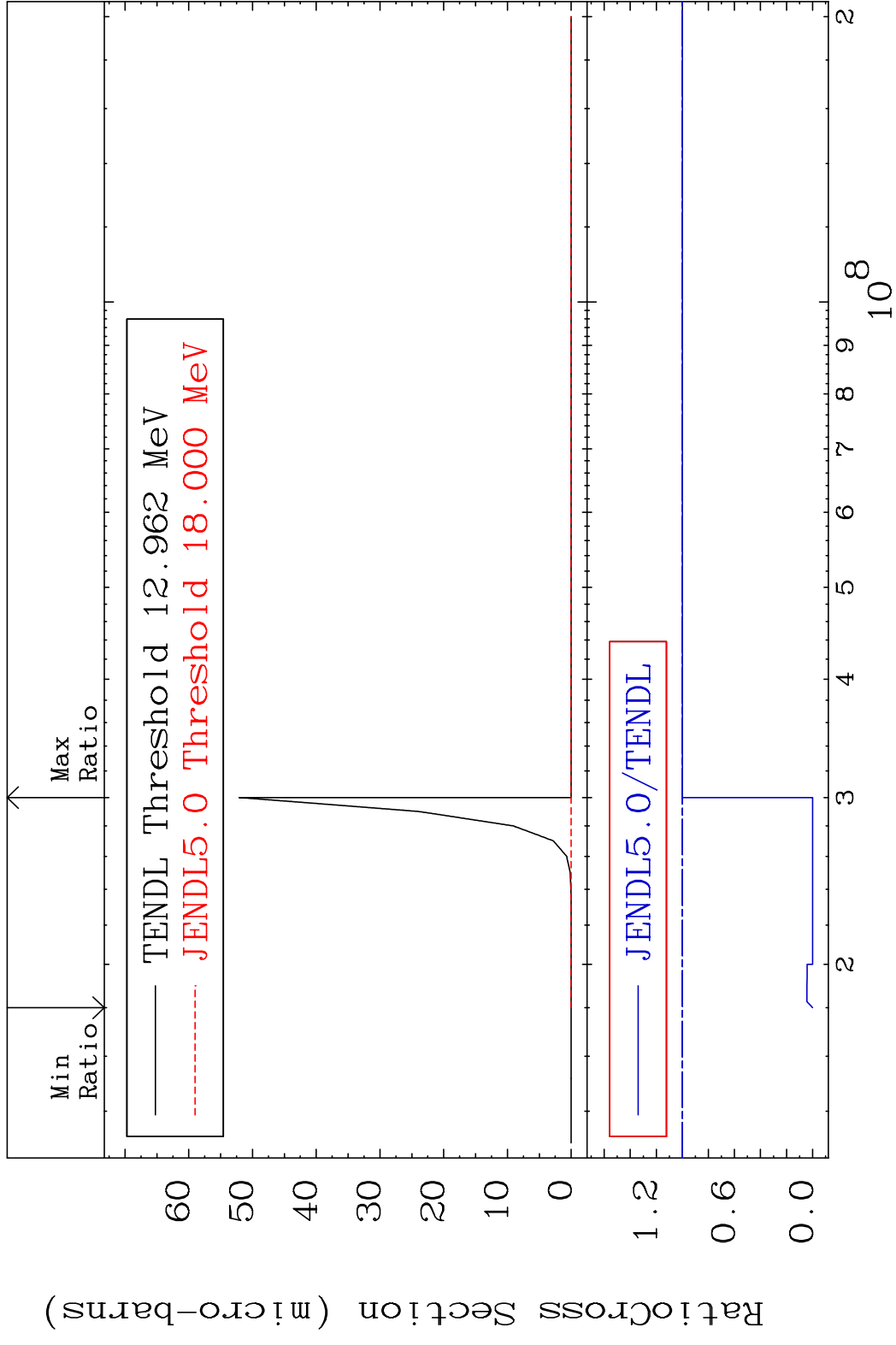
Incident Energy (eV)

44-Ru-106

MAT 4455 (n, t) 44-Ru-106  
 Cross Section -100.0 To 9999. %



MAT 4455 (n, He-3) 44-Ru-106  
 Cross Section -100.0 To 0.000 %

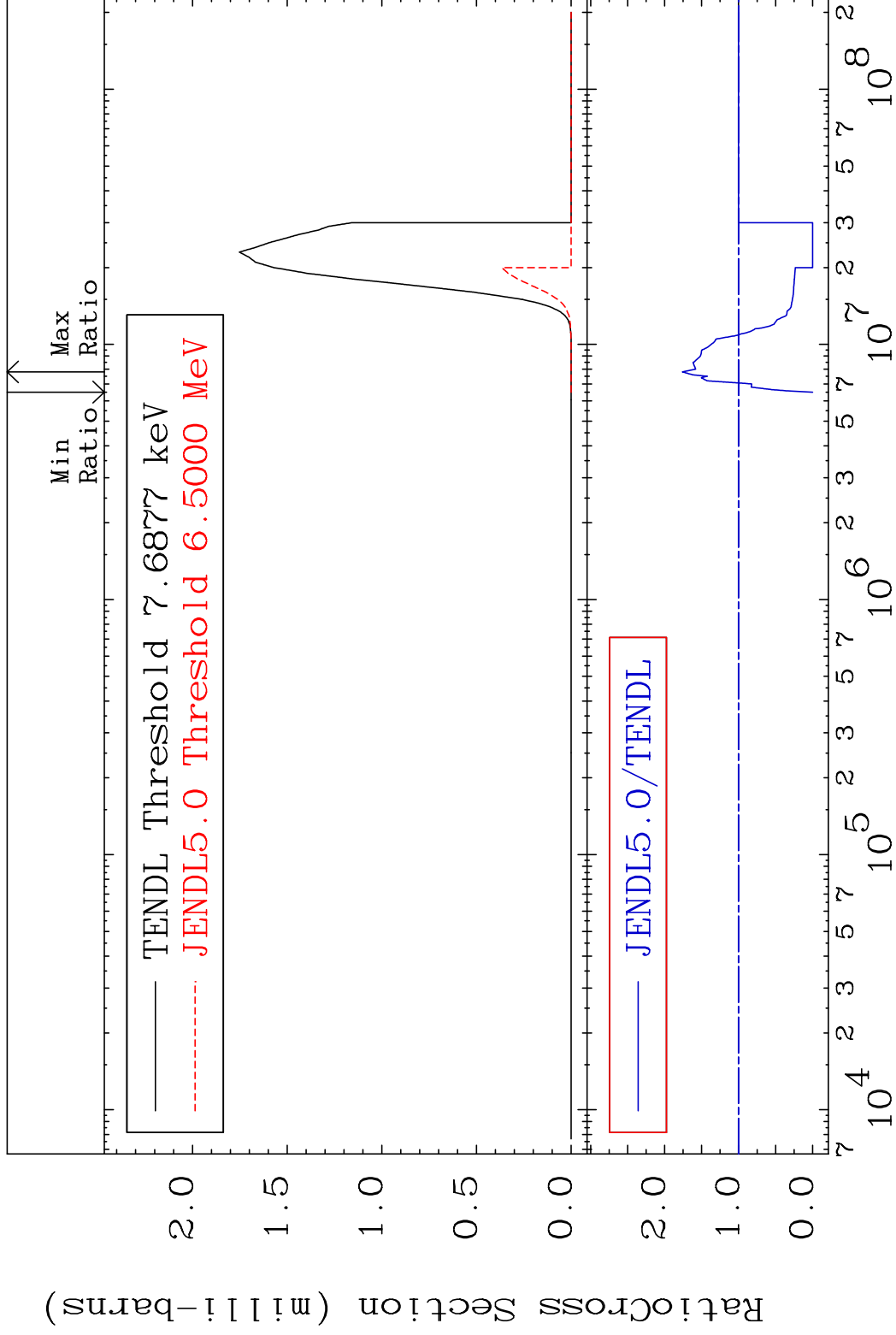


MAT 4455

(n,  $\alpha$ )

44-Ru-106

Cross Section -100.0 To 76.02 %

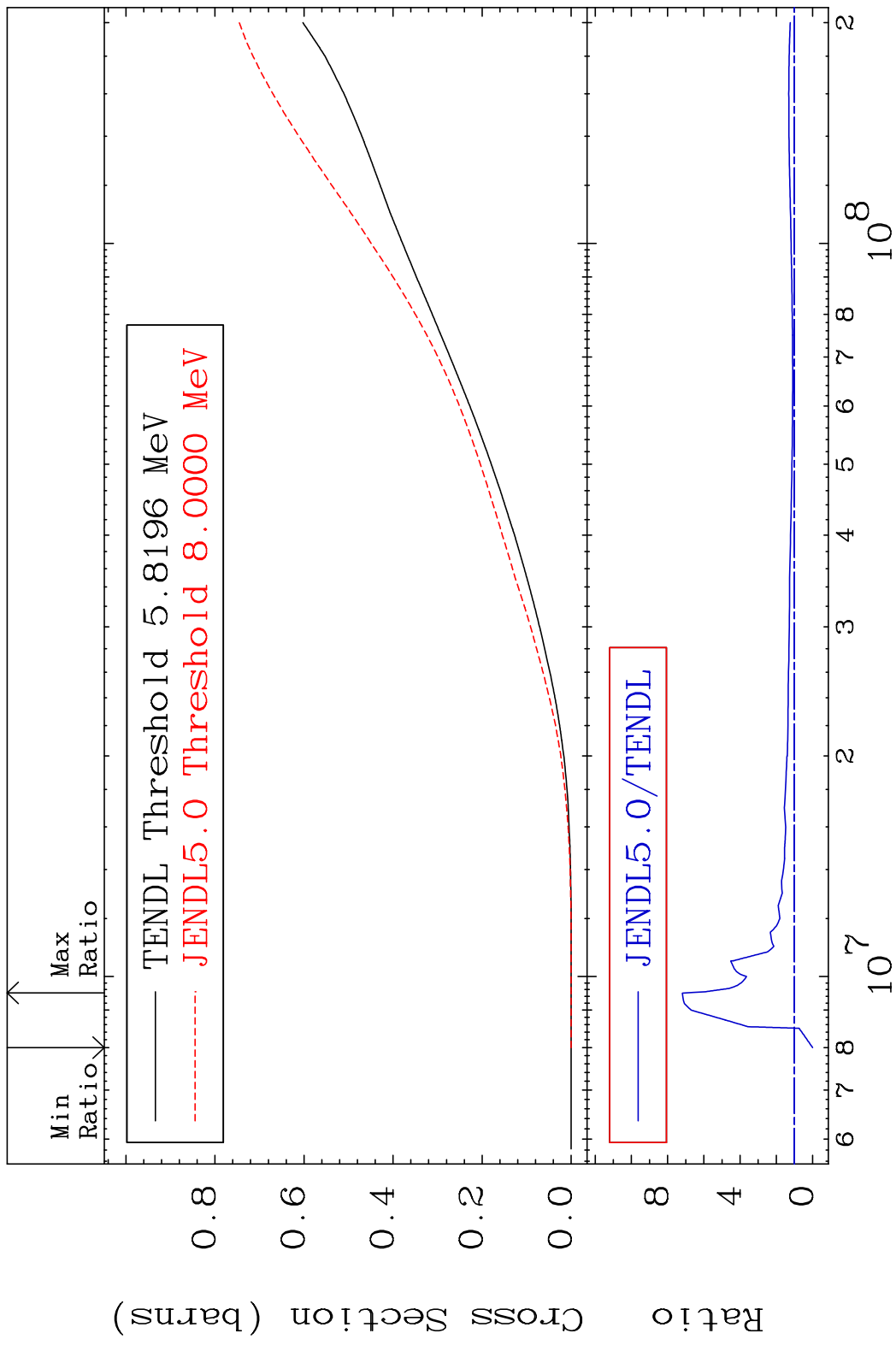


23

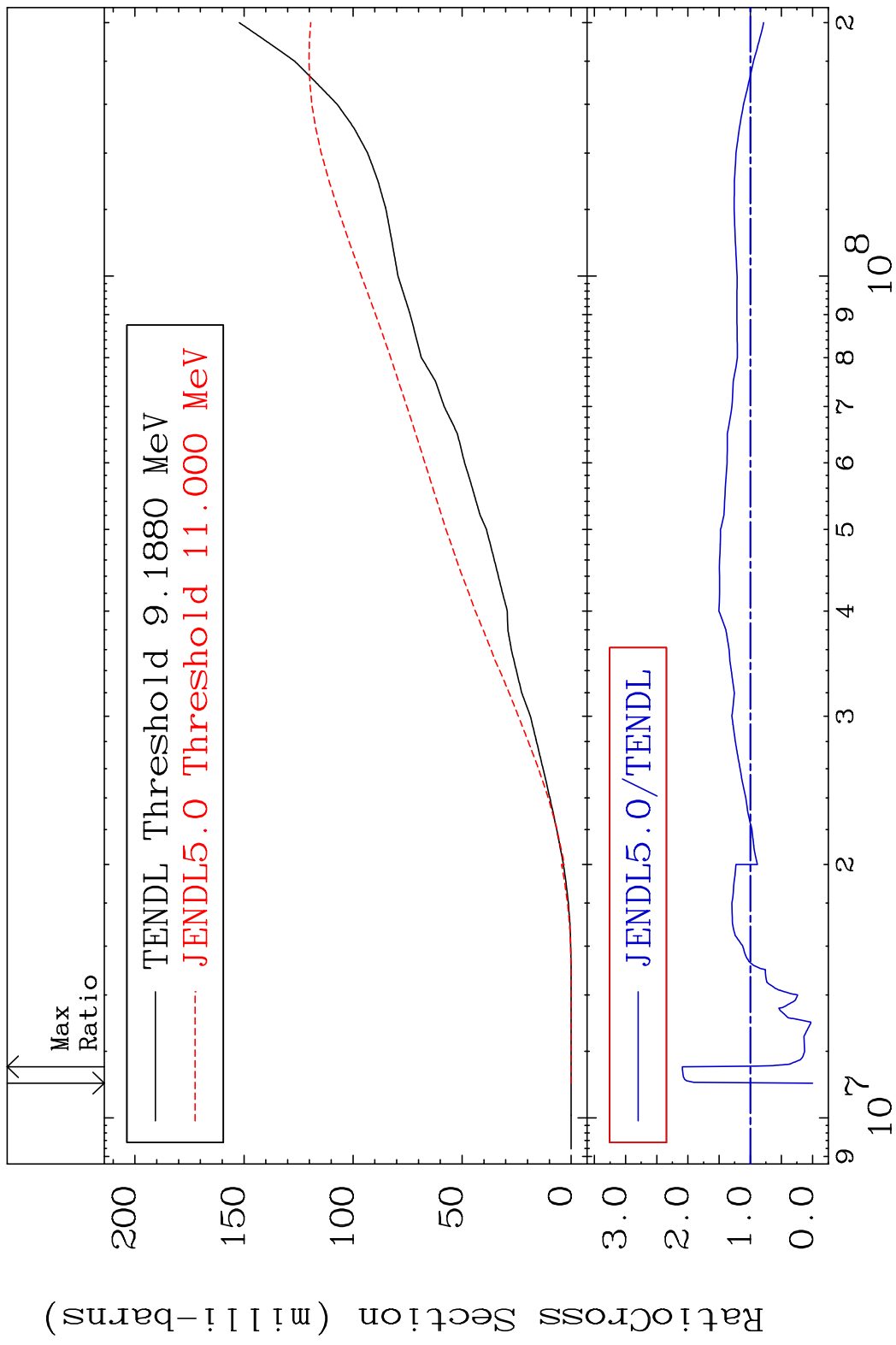
Incident Energy (eV)

44-Ru-106

MAT 4455 Hydrogen Production 44-Ru-106  
 Cross Section -100.0 To 618.7 %

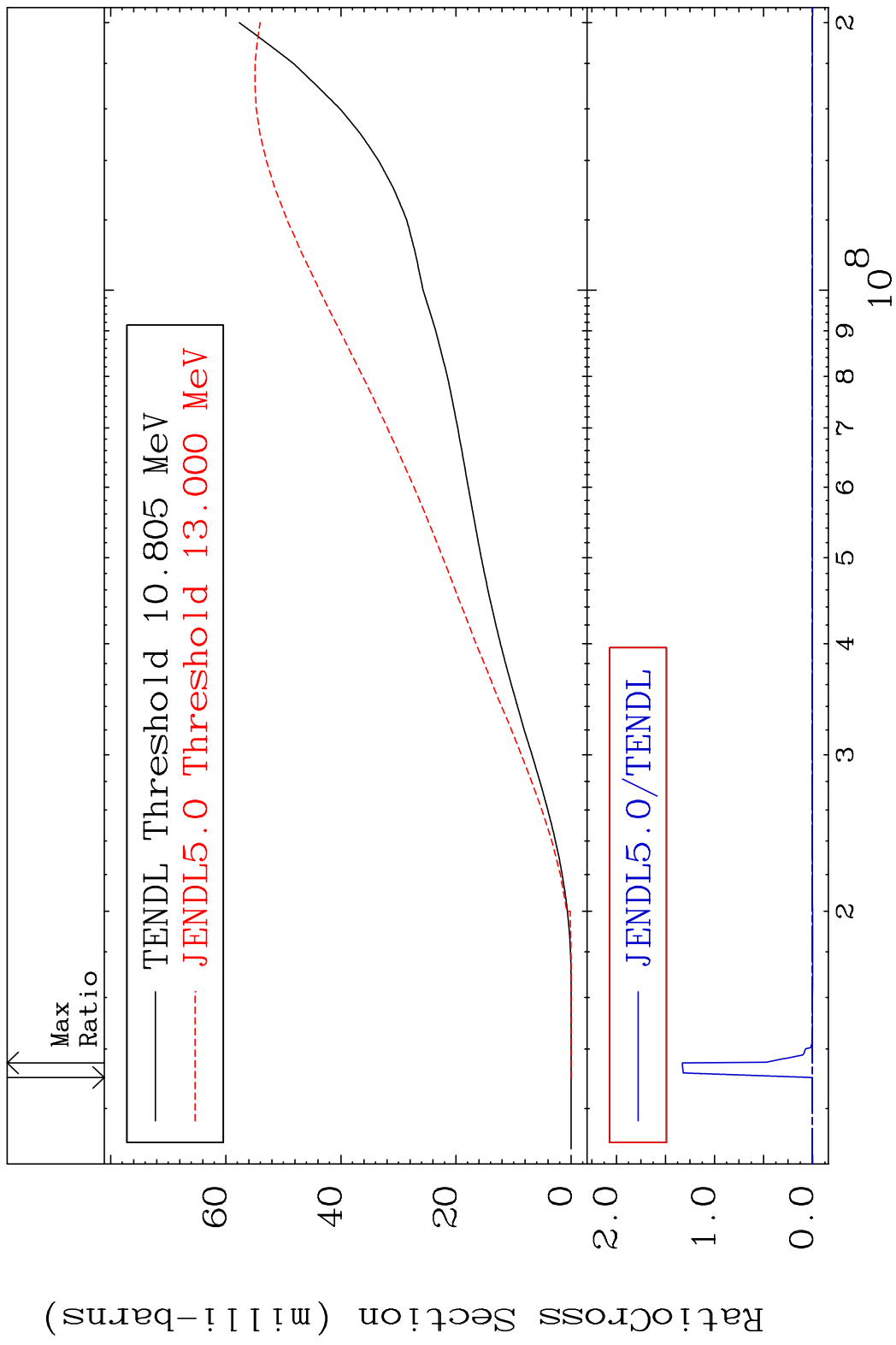


MAT 4455 Deuterium Production 44-Ru-106  
 Cross Section -100.0 To 108.9 %

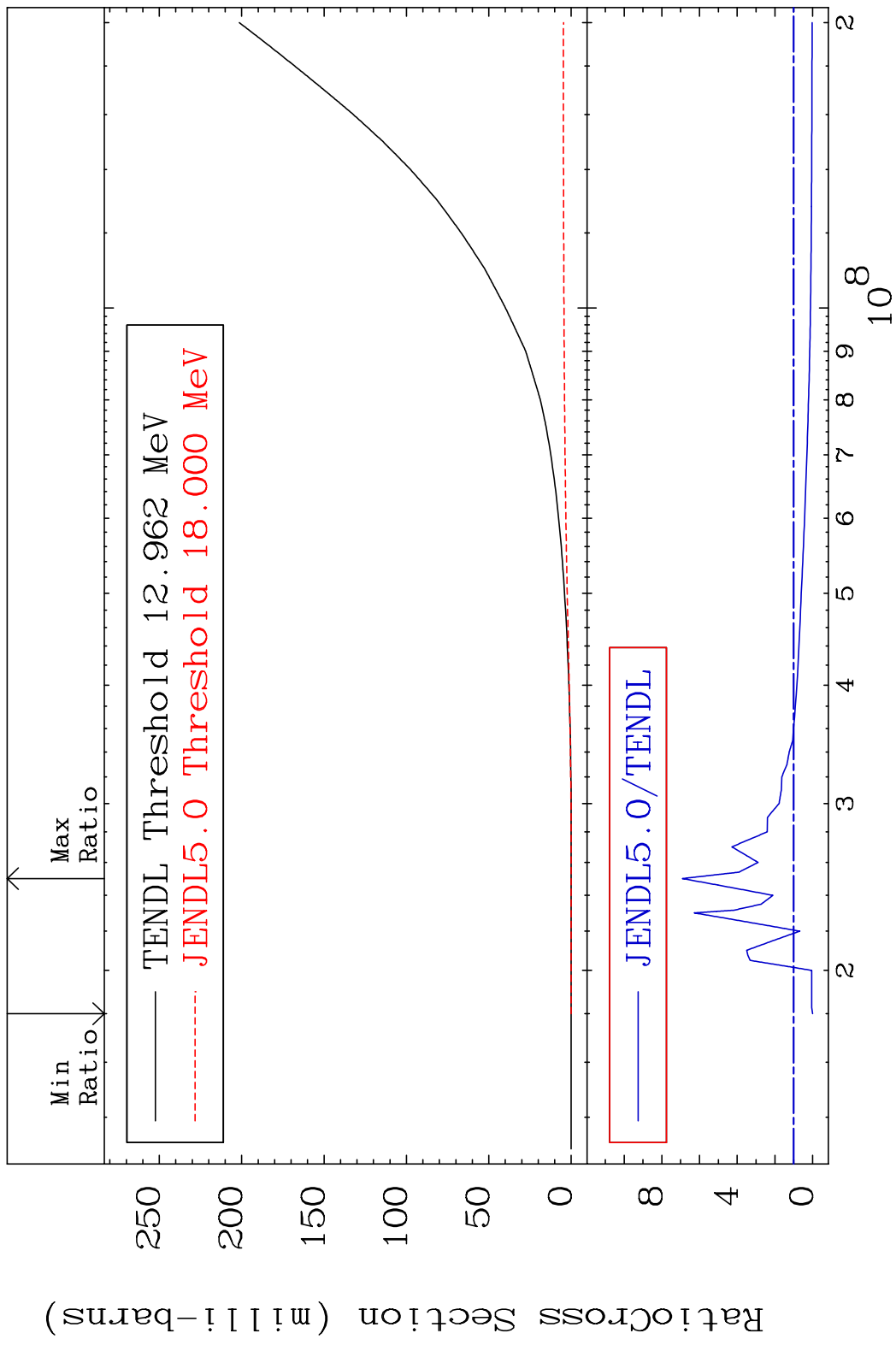


25 44-Ru-106

MAT 4455 Tritium Production 44-Ru-106  
 Cross Section -100.0 To 9999. %



MAT 4455 He-3 Production 44-Ru-106  
 Cross Section -100.0 To 591.0 %

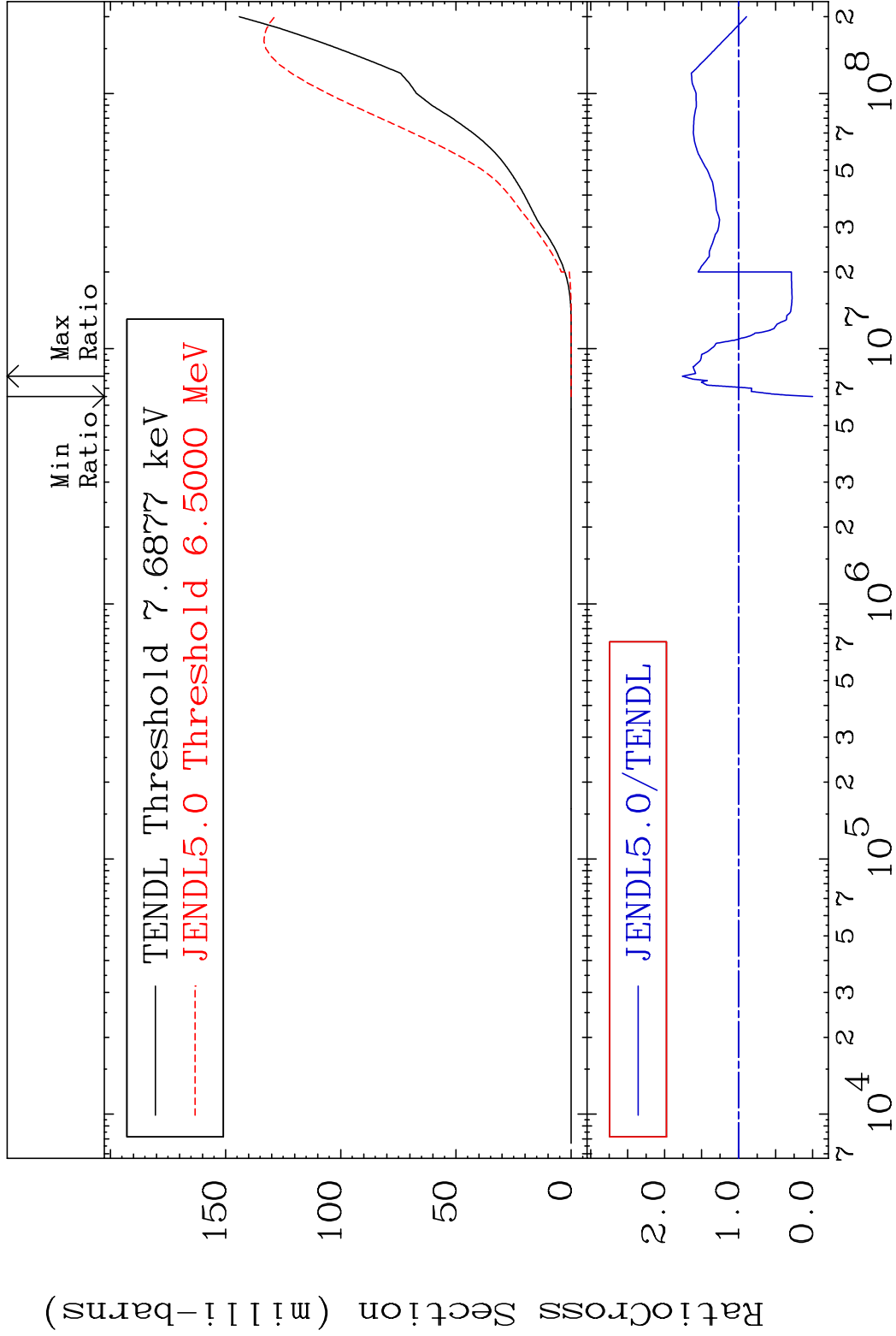


MAT 4455

He-4 Production

44-Ru-106

Cross Section -100.0 To 76.02 %

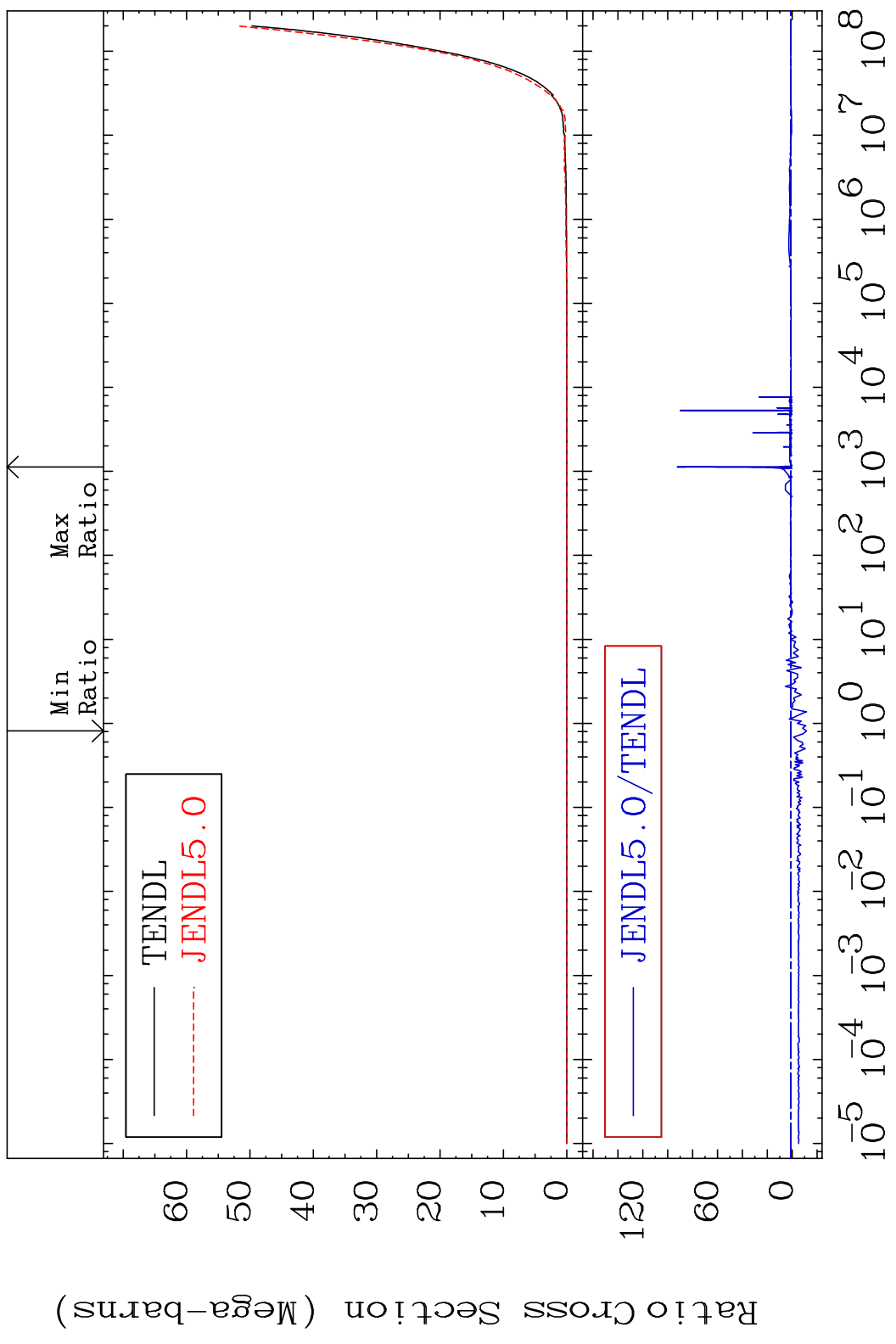


28

44-Ru-106

MAT 4455

Kerma total (eV-barns) 44-Ru-106  
Cross Section -1249. To 9134. %

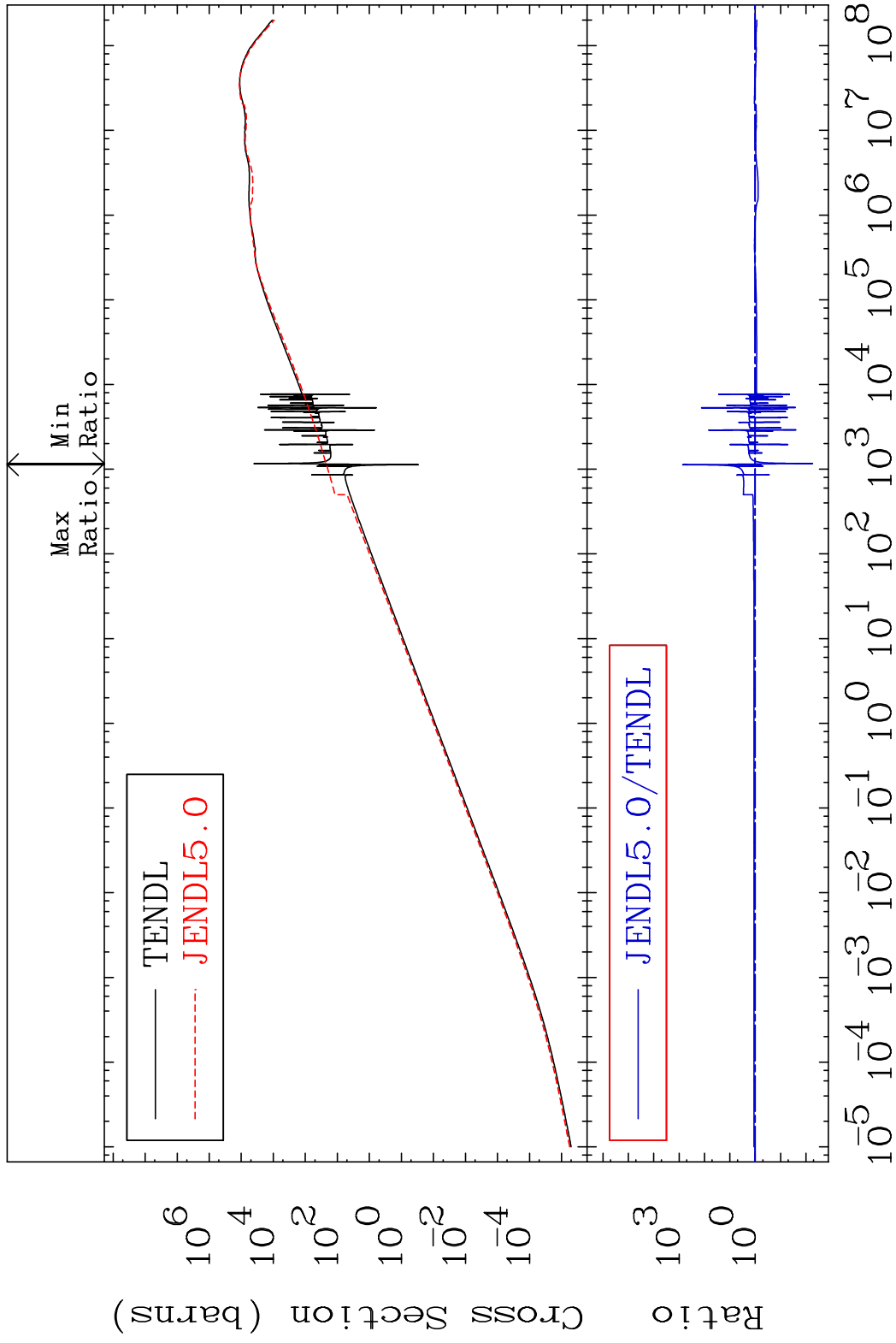


MAT 4455

Kerma elastic

44-Ru-106

Cross Section -99.45 To 9999. %

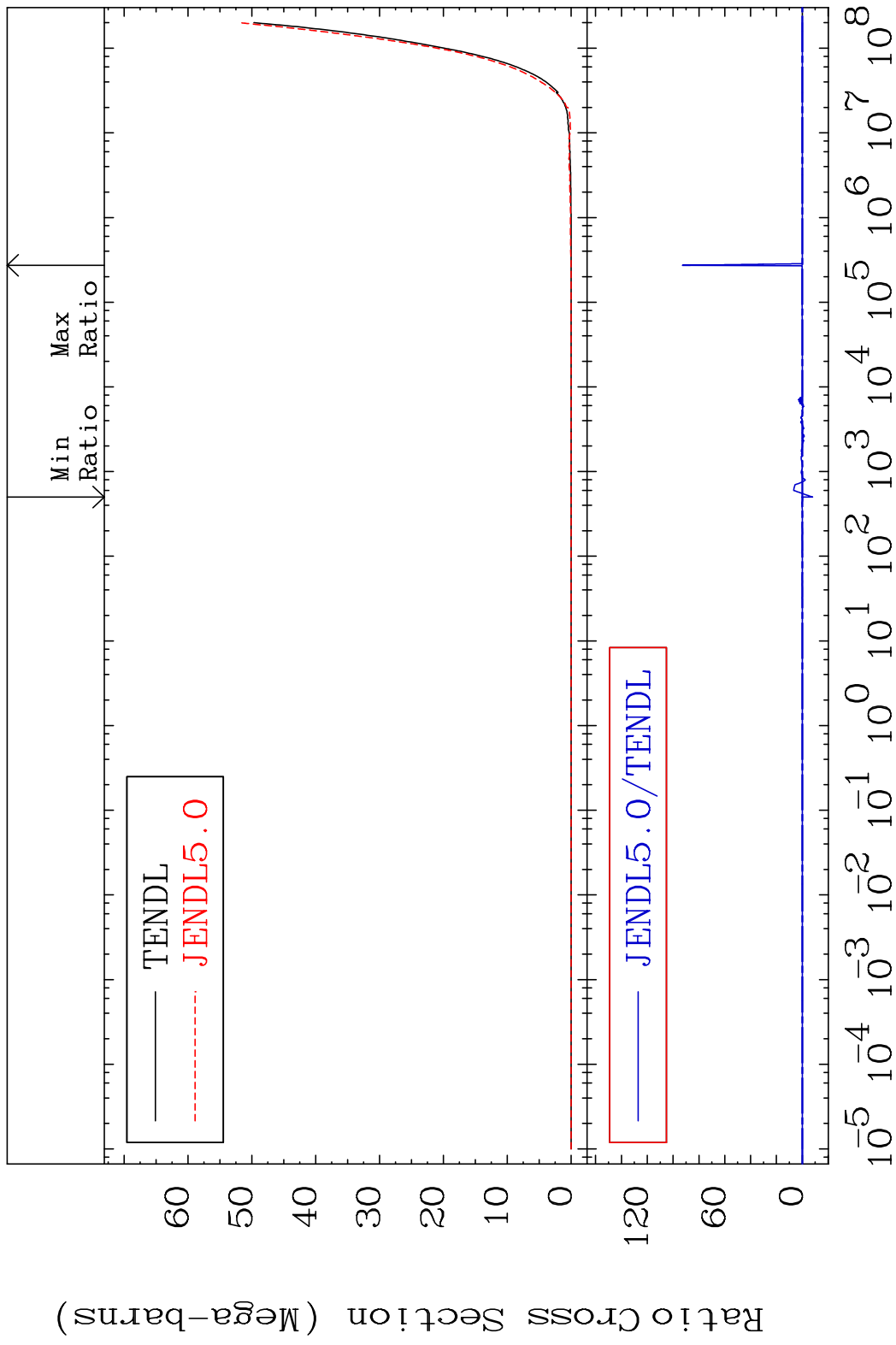


30

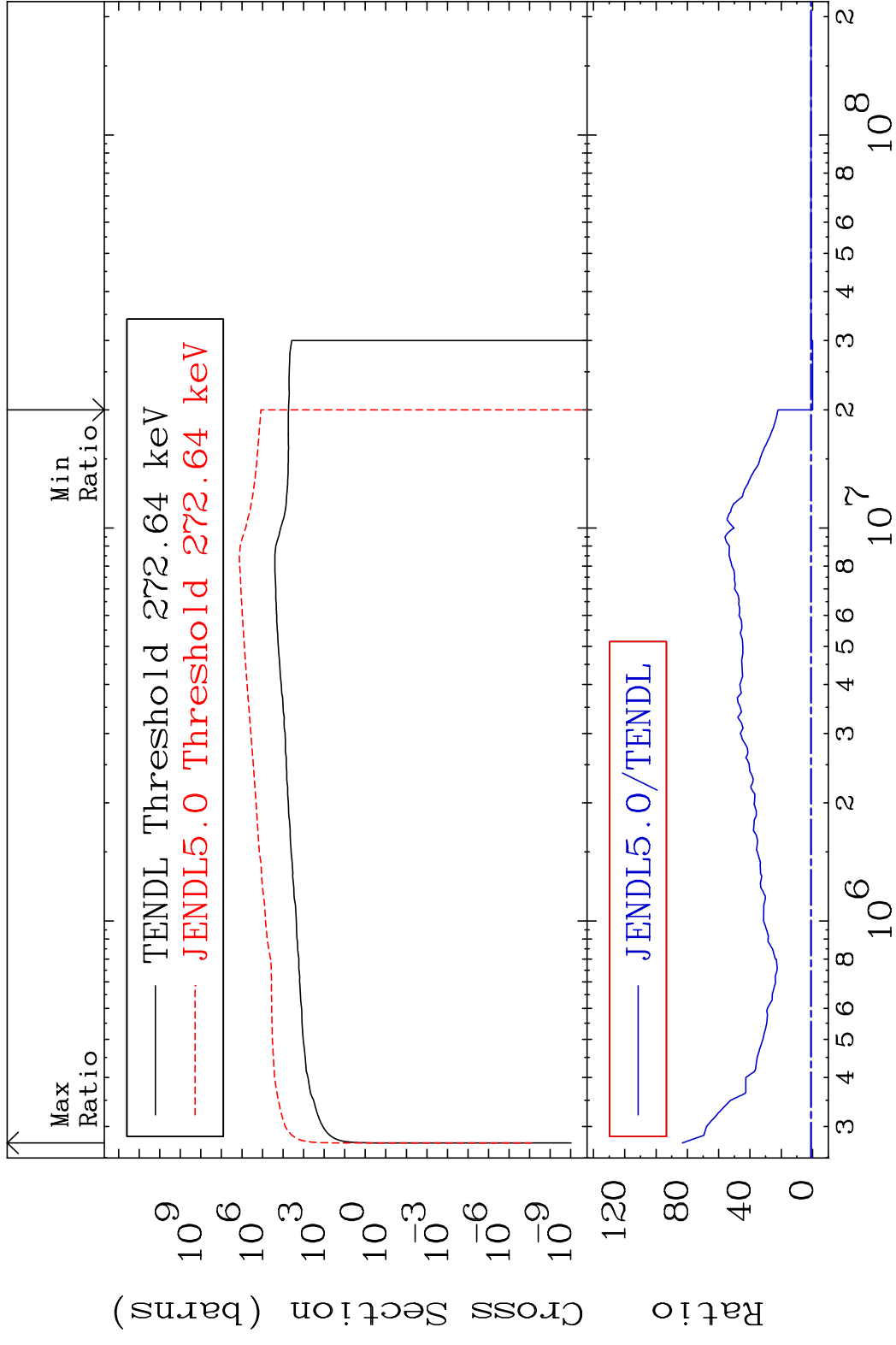
Incident Energy (eV)

44-Ru-106

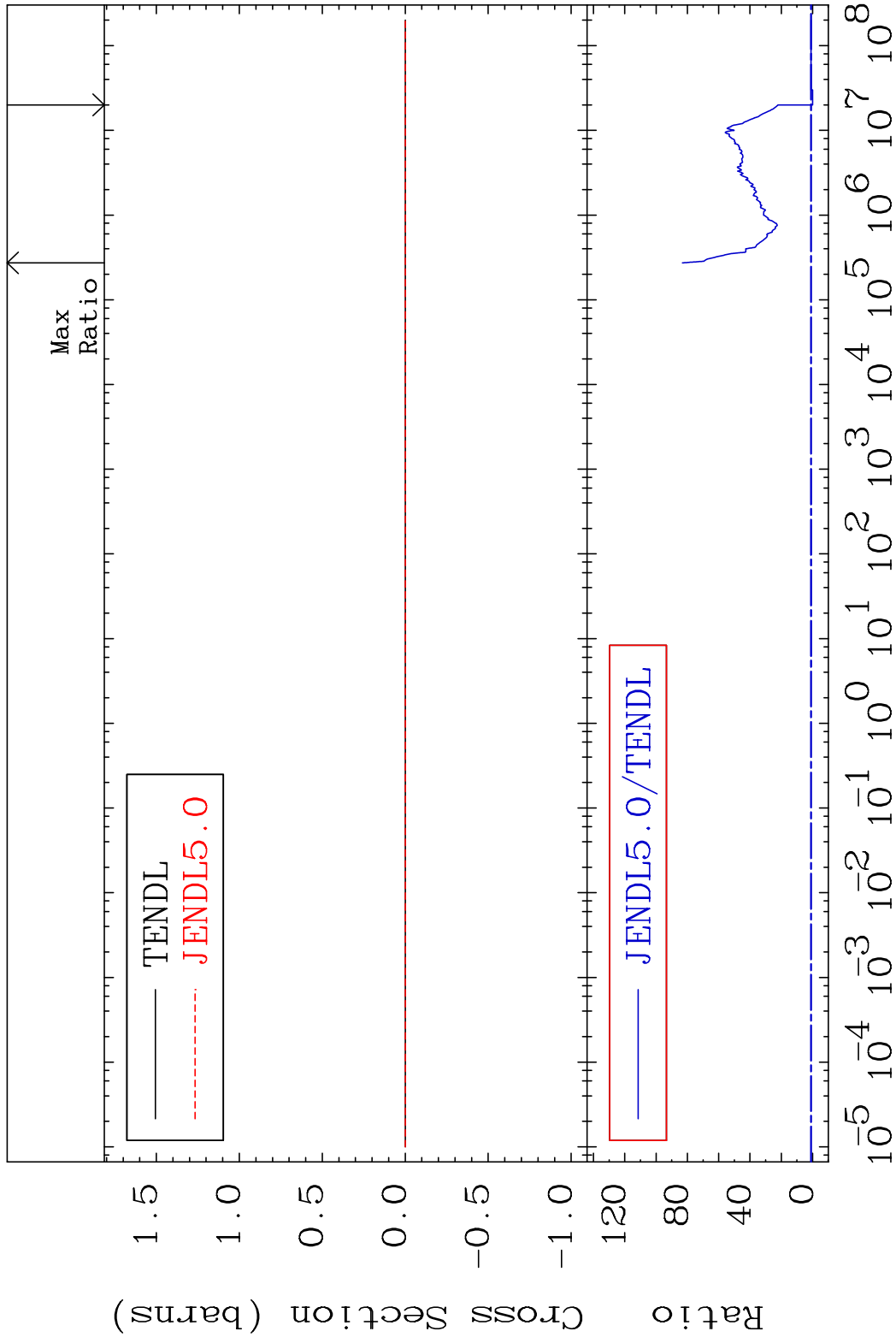
MAT 4455 Kerma non-elastic (all but mt2) 44-Ru-106  
Cross Section -9999. To 9999. %



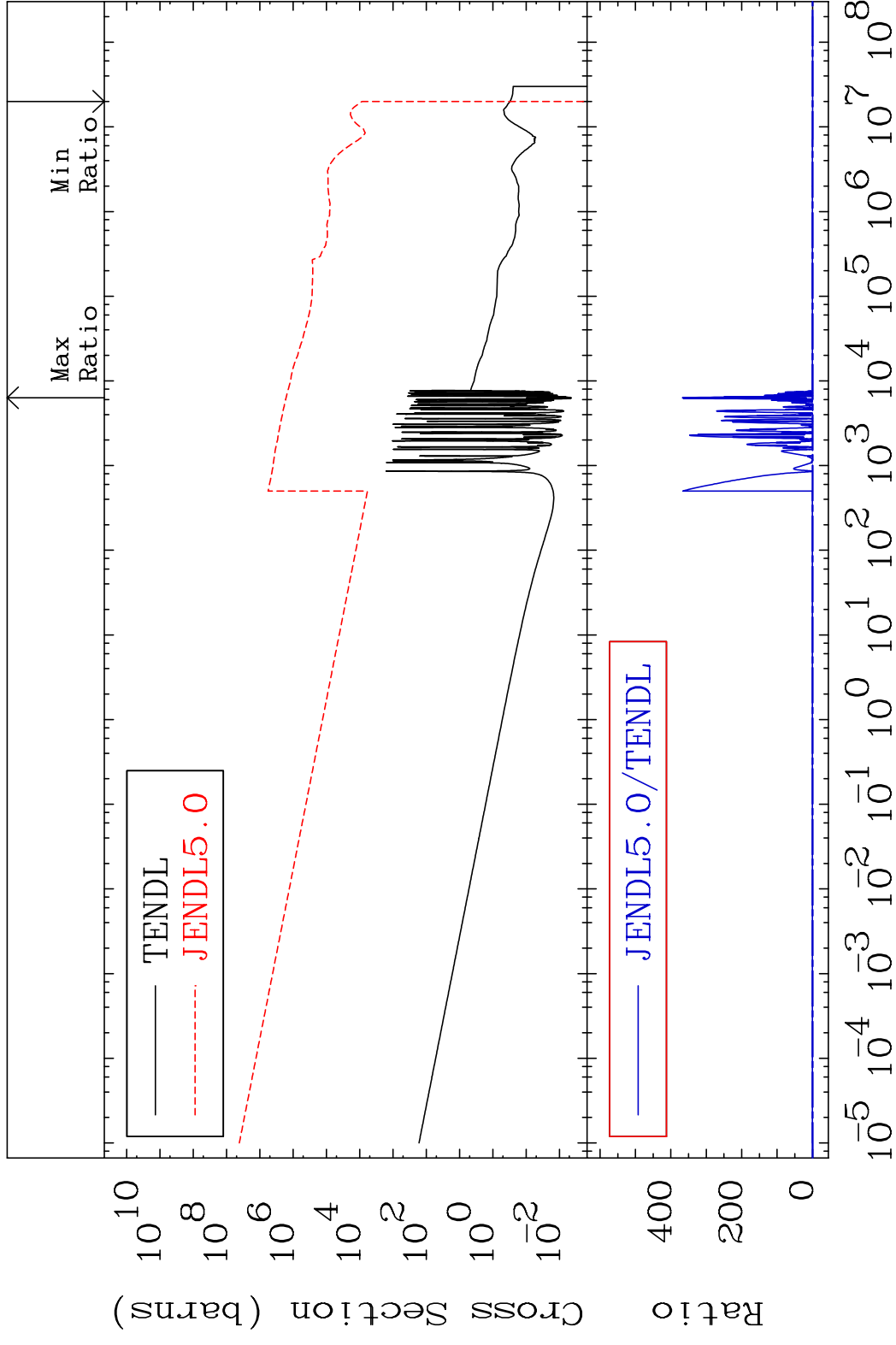
MAT 4455 Kerma inelastic (mt51-91) 44-Ru-106  
 Cross Section -100.0 To 8221. %



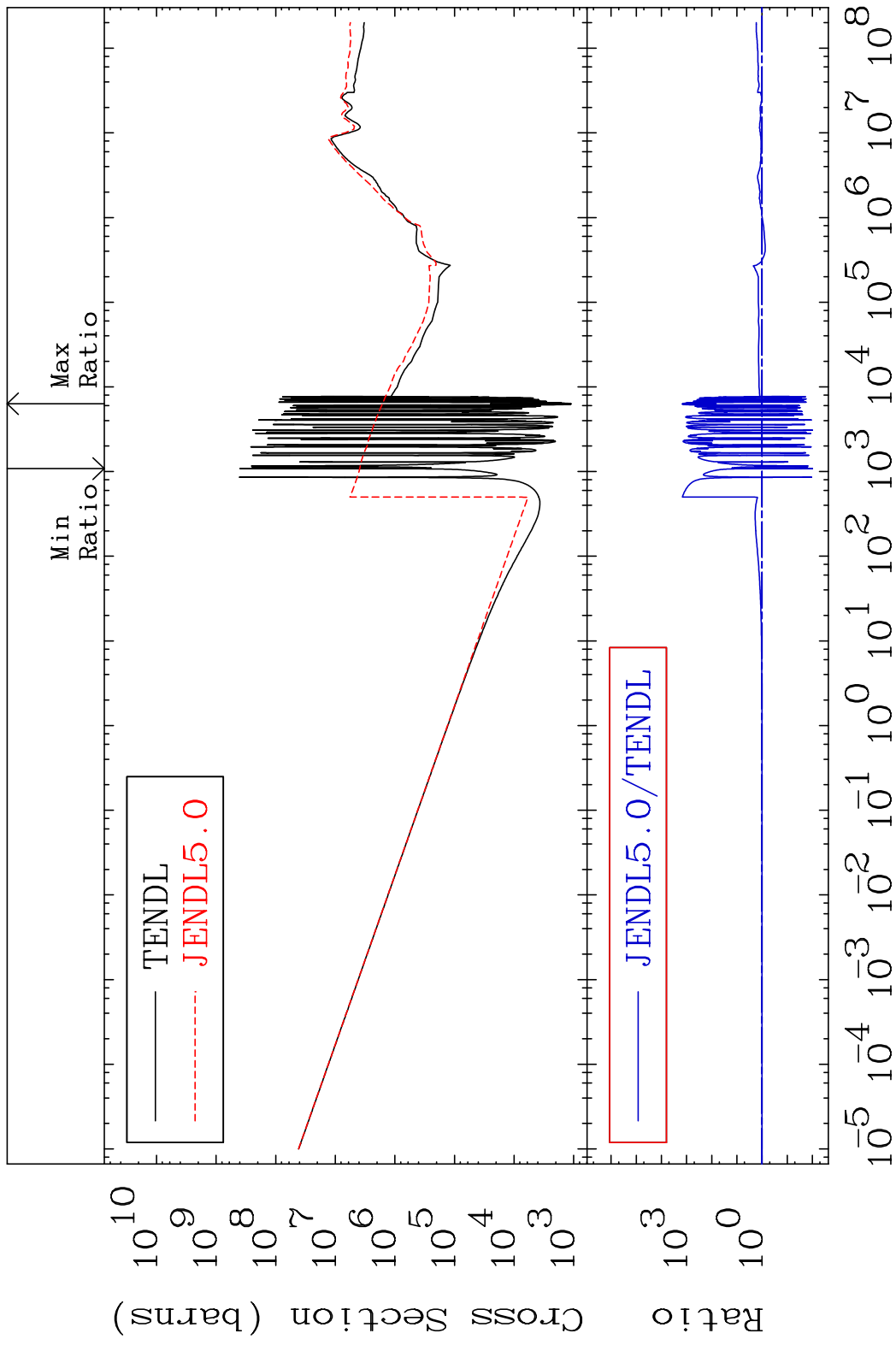
MAT 4455 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-106  
 Cross Section -100.0 To 8221. %



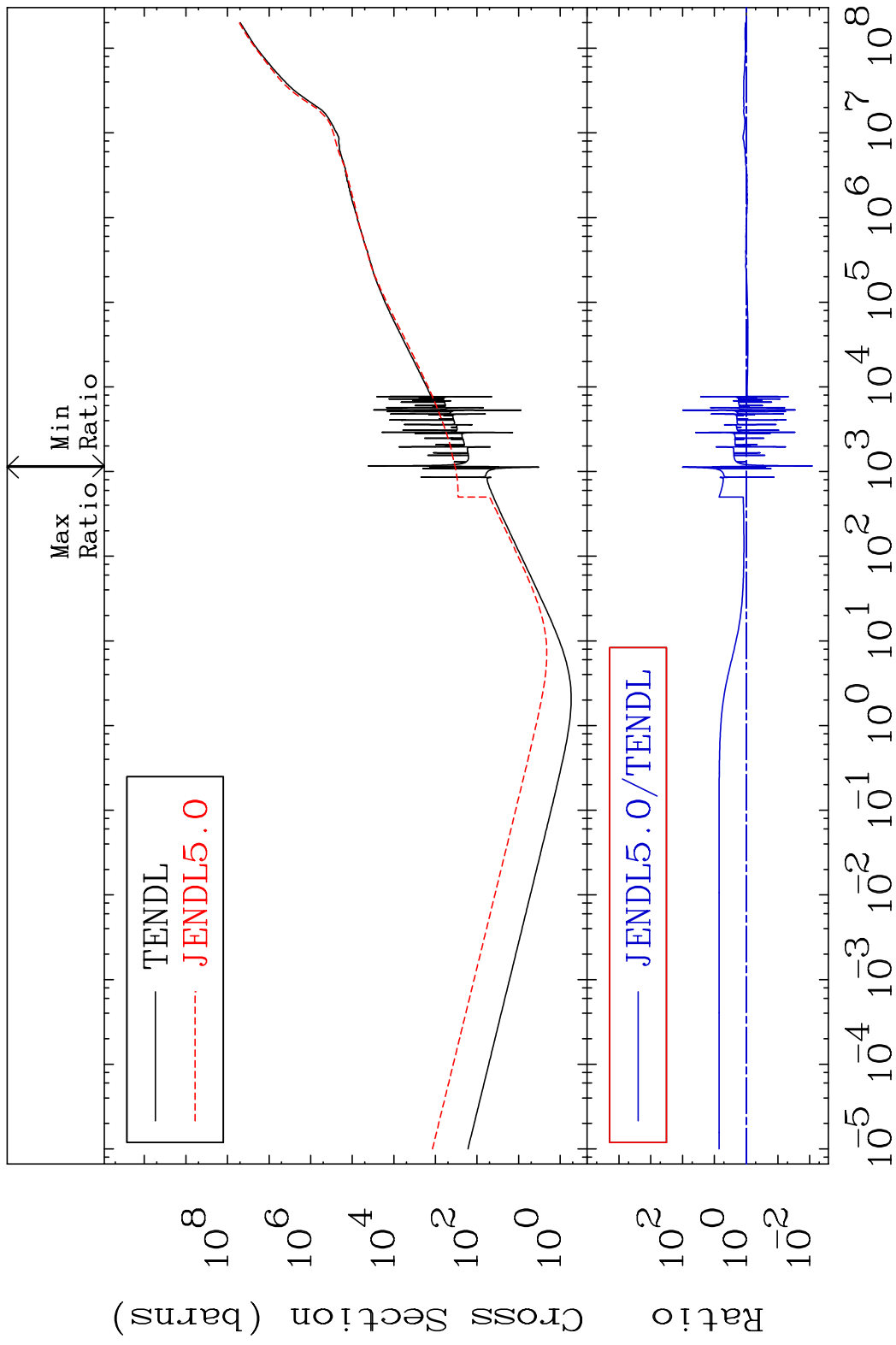
MAT 4455 Kerma capture (mt102) 44-Ru-106  
 Cross Section -100.0 To 9999. %



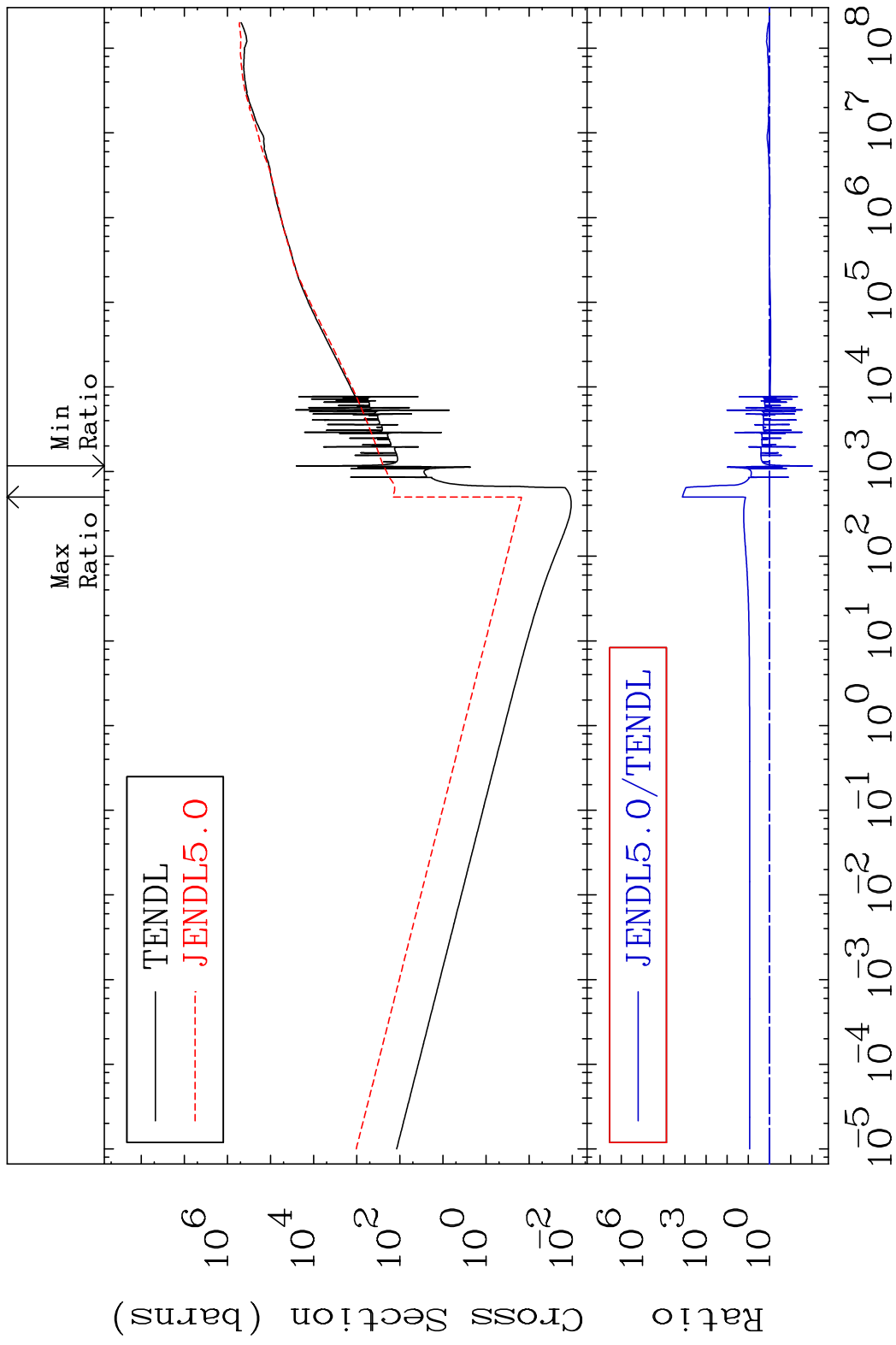
MAT 4455 Total photon (eV-barns) 44-Ru-106  
 Cross Section -99.01 To 9999. %



MAT 4455 Total kinematic kerma (high limit) 44-Ru-106  
 Cross Section -99.18 To 9999. %



MAT 4455      Dpa total (eV-barns)      44-Ru-106  
 Cross Section      -99.07 To 9999. %

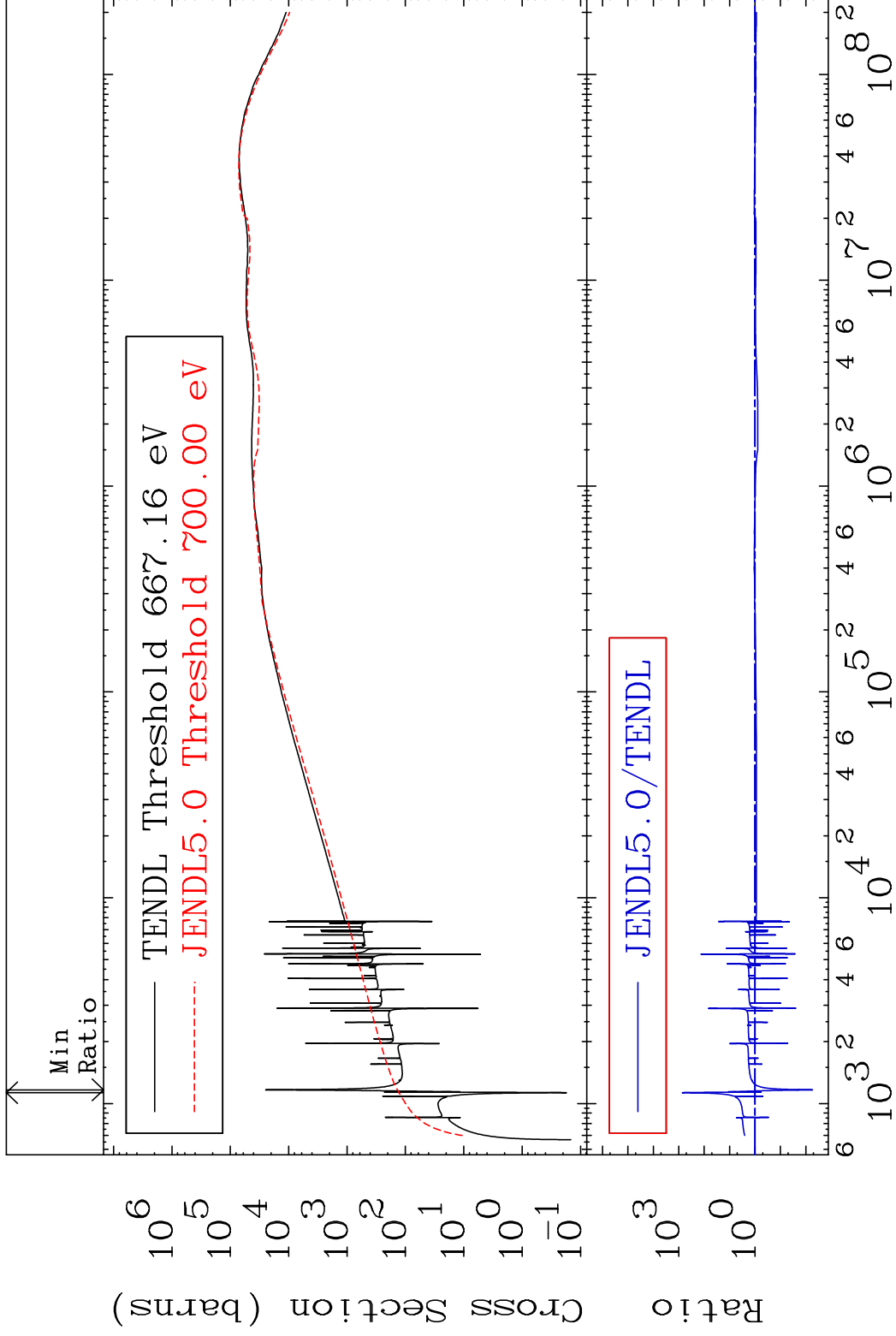


MAT 4455

Dpa elastic (mt2)

44-Ru-106

Cross Section -99.45 To 9999. %

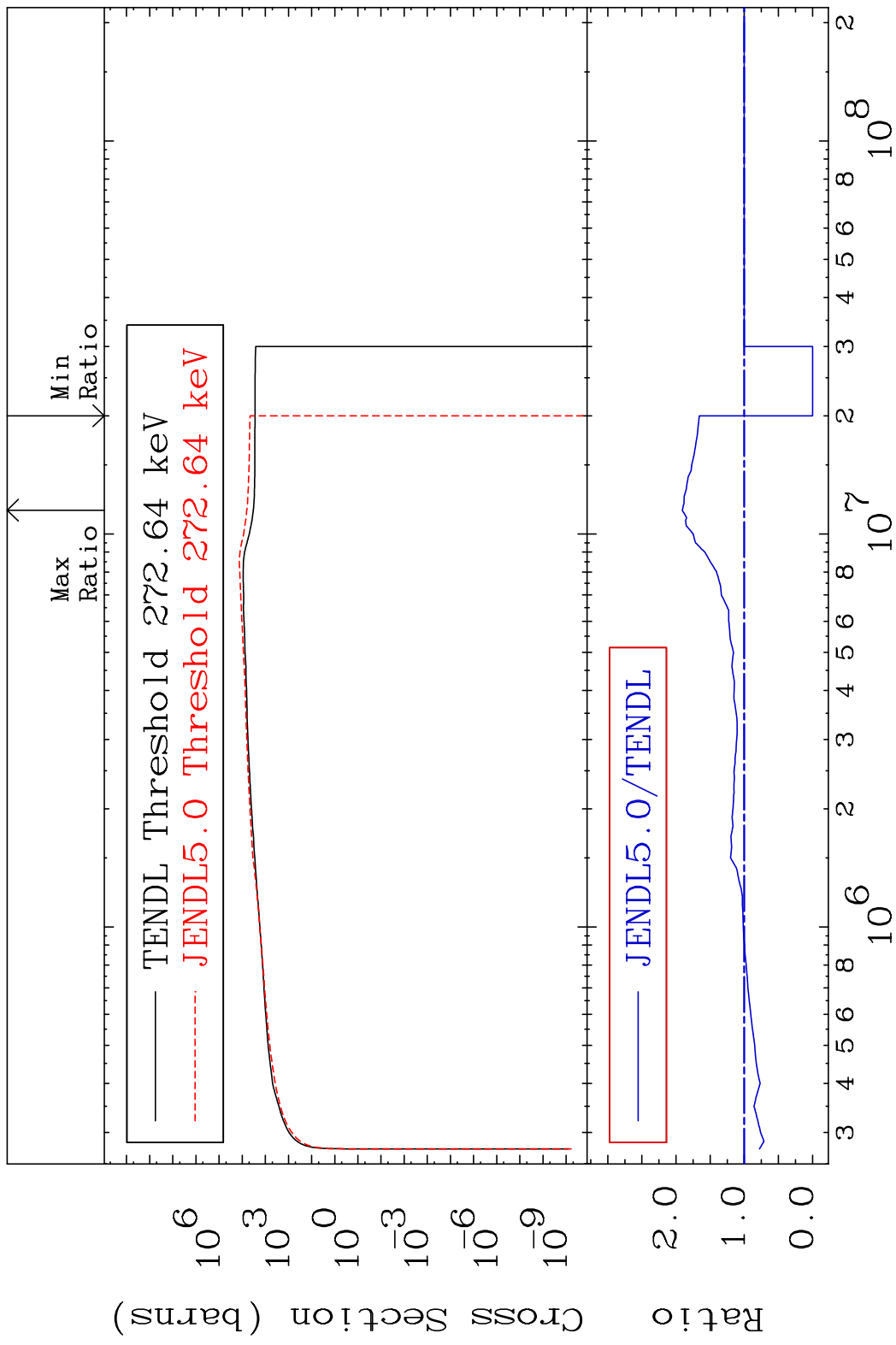


38

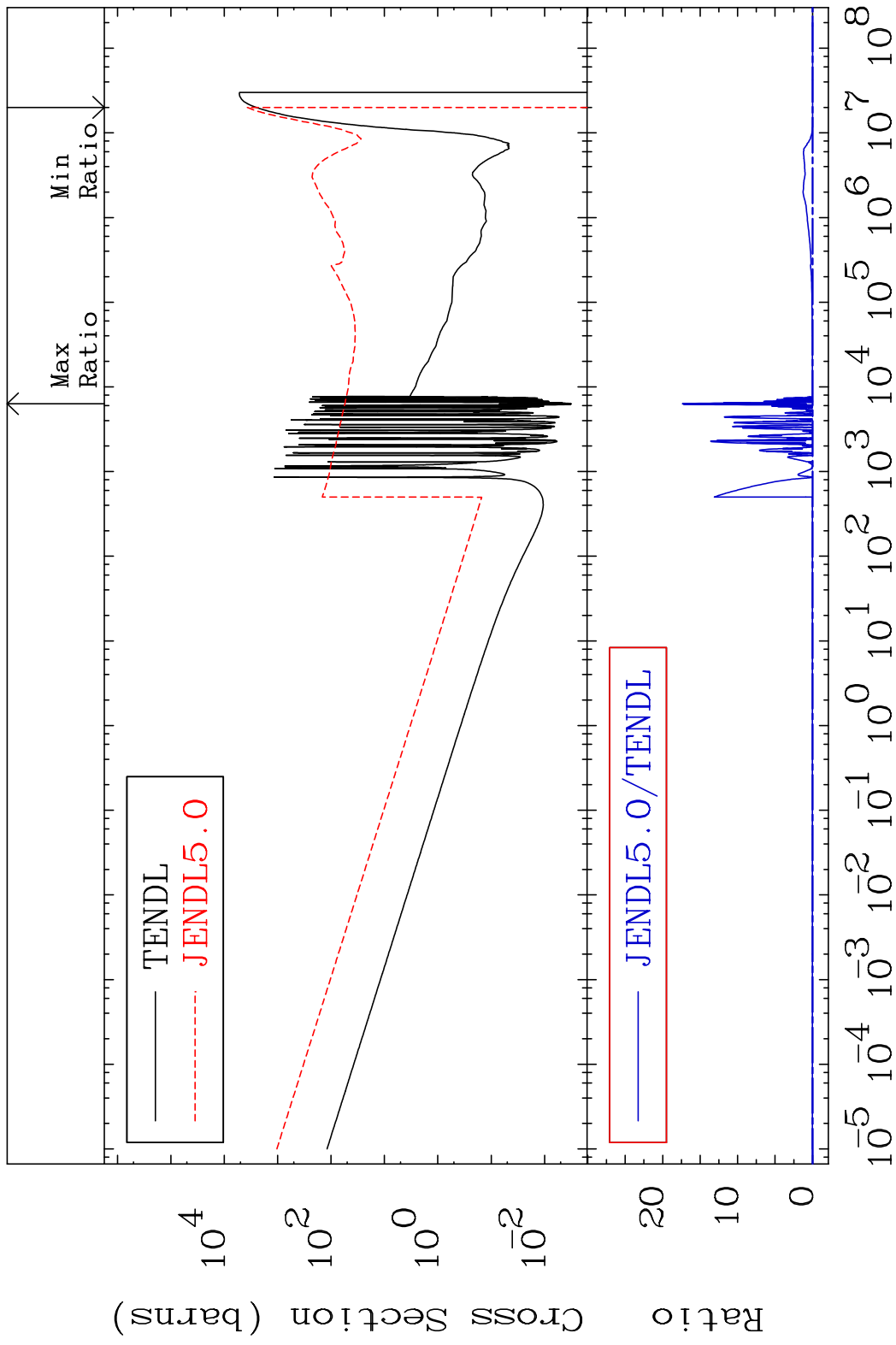
Incident Energy (eV)

44-Ru-106

MAT 4455 Dpa inelastic (mt51-91) 44-Ru-106  
 Cross Section -100.0 To 90.73 %

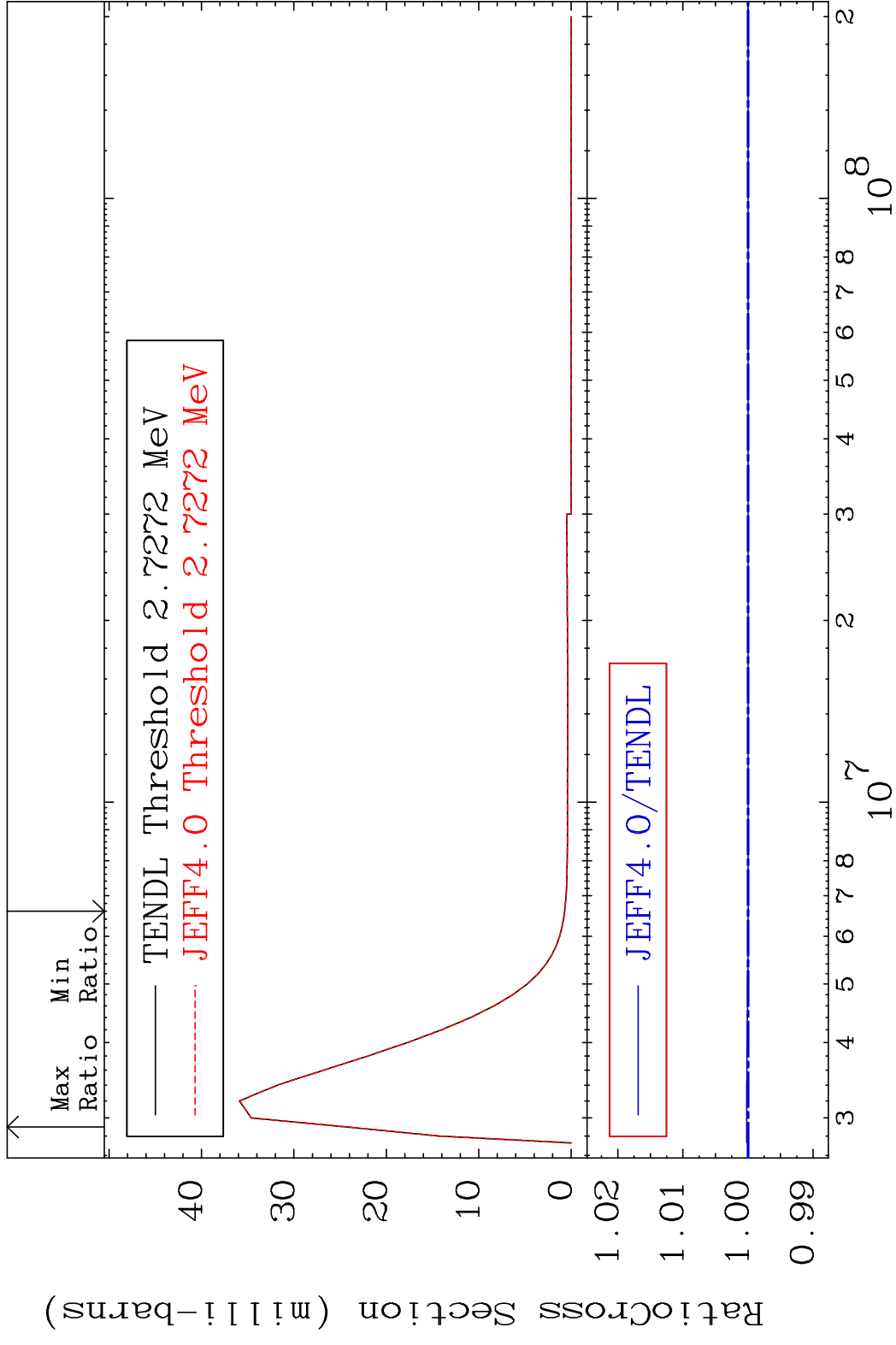


MAT 4455 Dpa disappearance (mt102 -120) 44-Ru-106  
Cross Section -100.0 To 9999. %

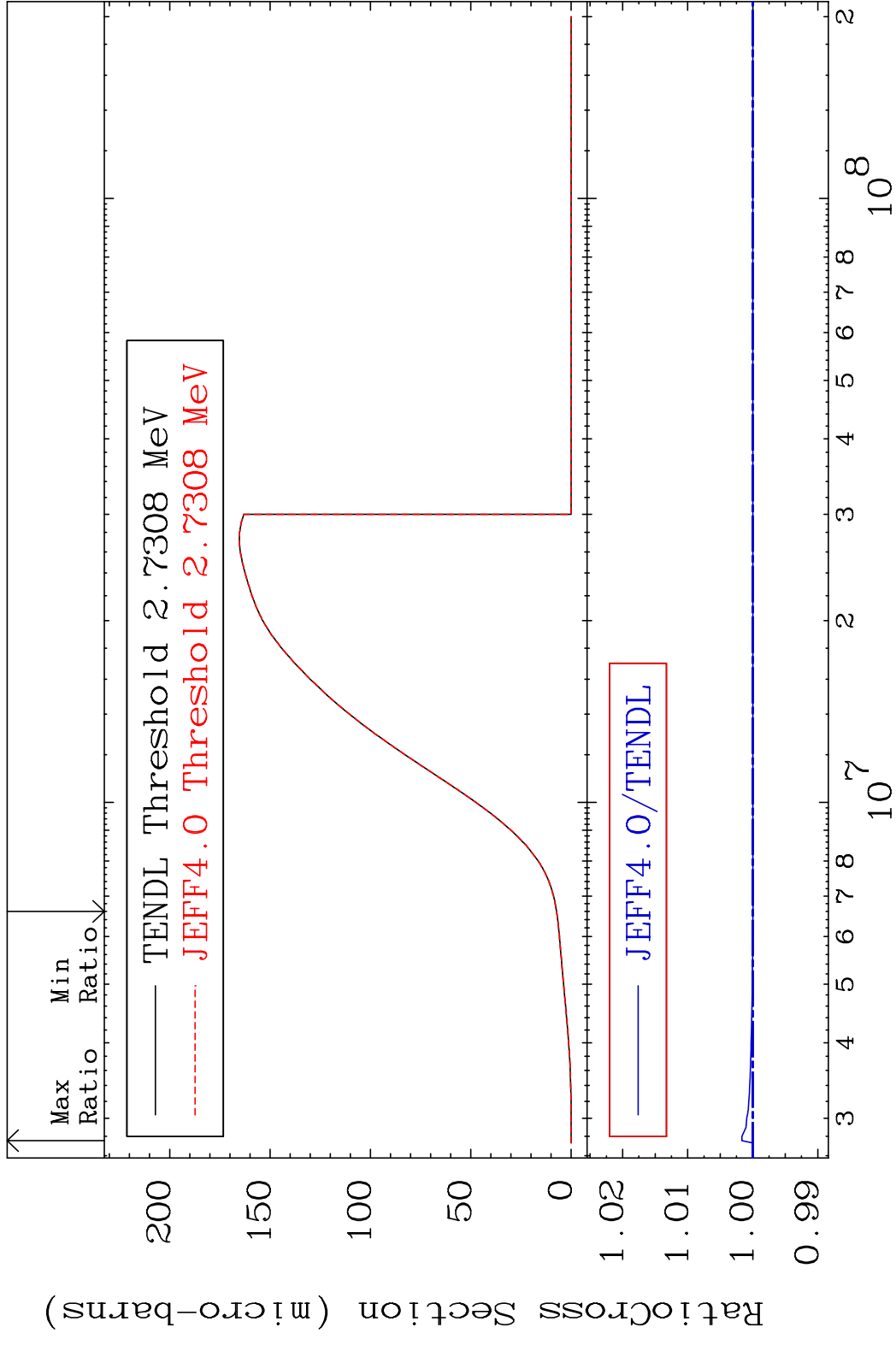


40 Incident Energy (eV) 44-Ru-106

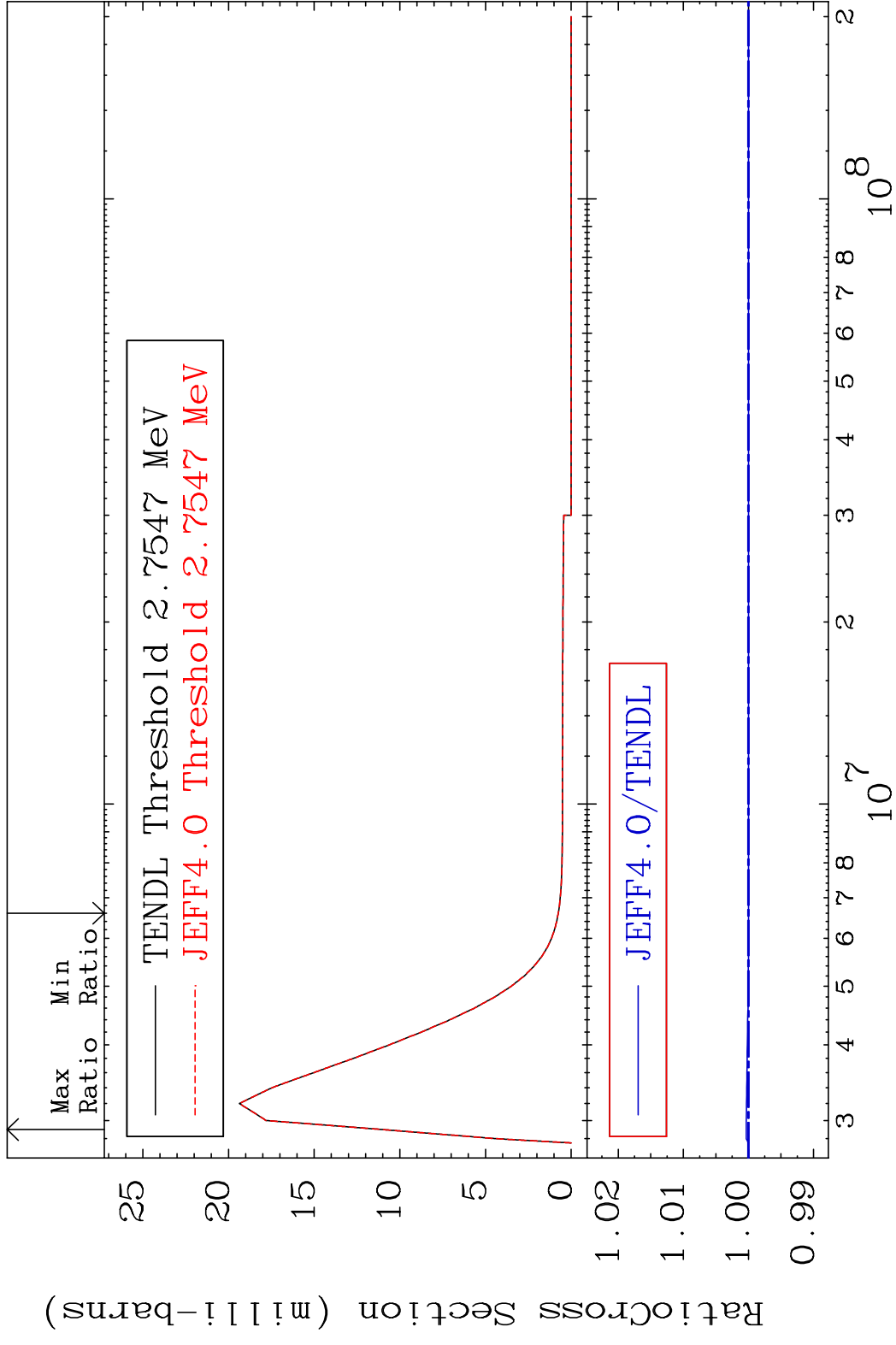
MAT 4455 MT= 74 (n,n') Level 44-Ru-106  
 Cross Section -0.004 To 0.021 %



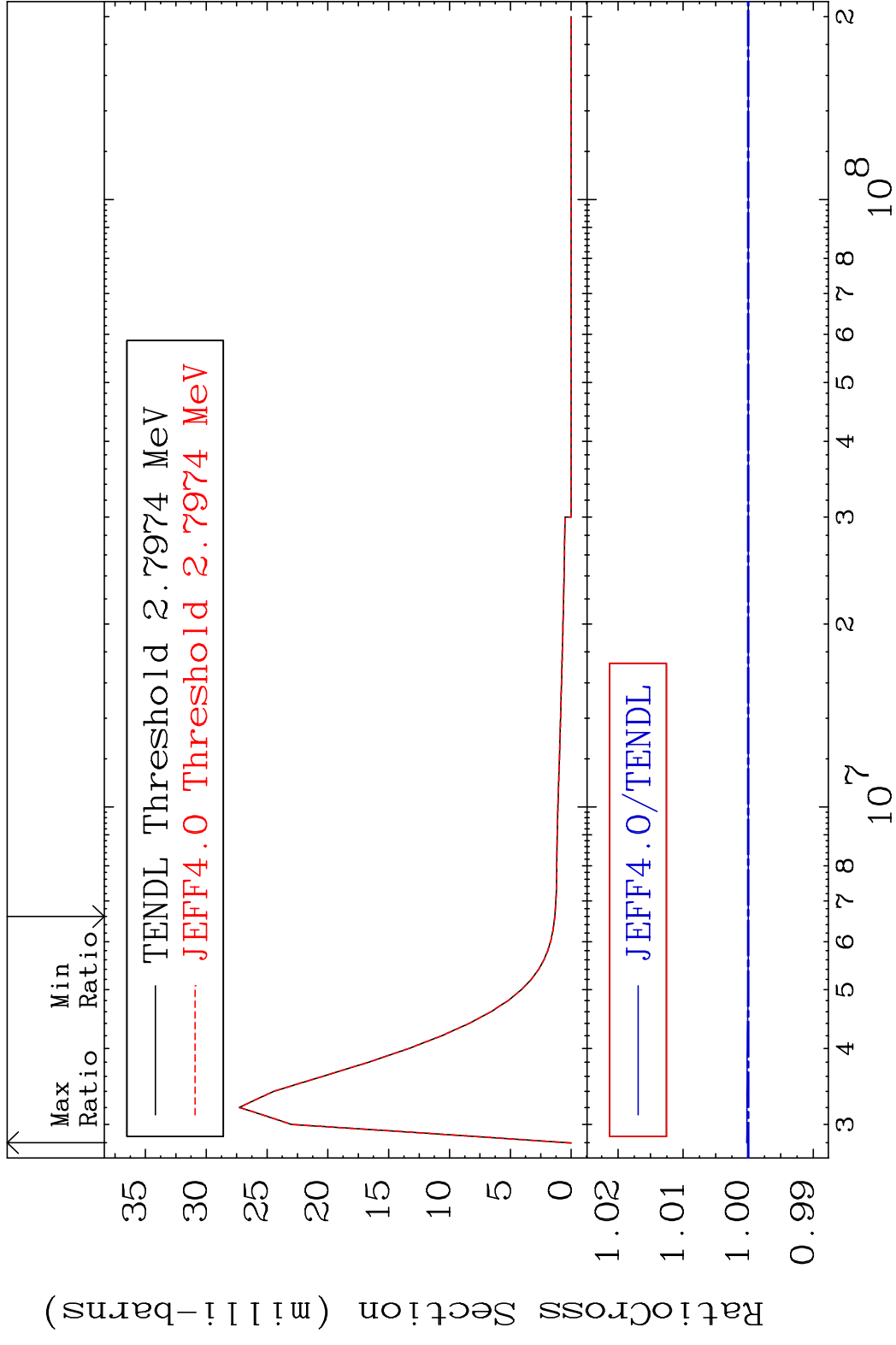
MAT 4455 MT= 75 (n, n') Level 44-Ru-106  
 Cross Section -0.005 To 0.168 %



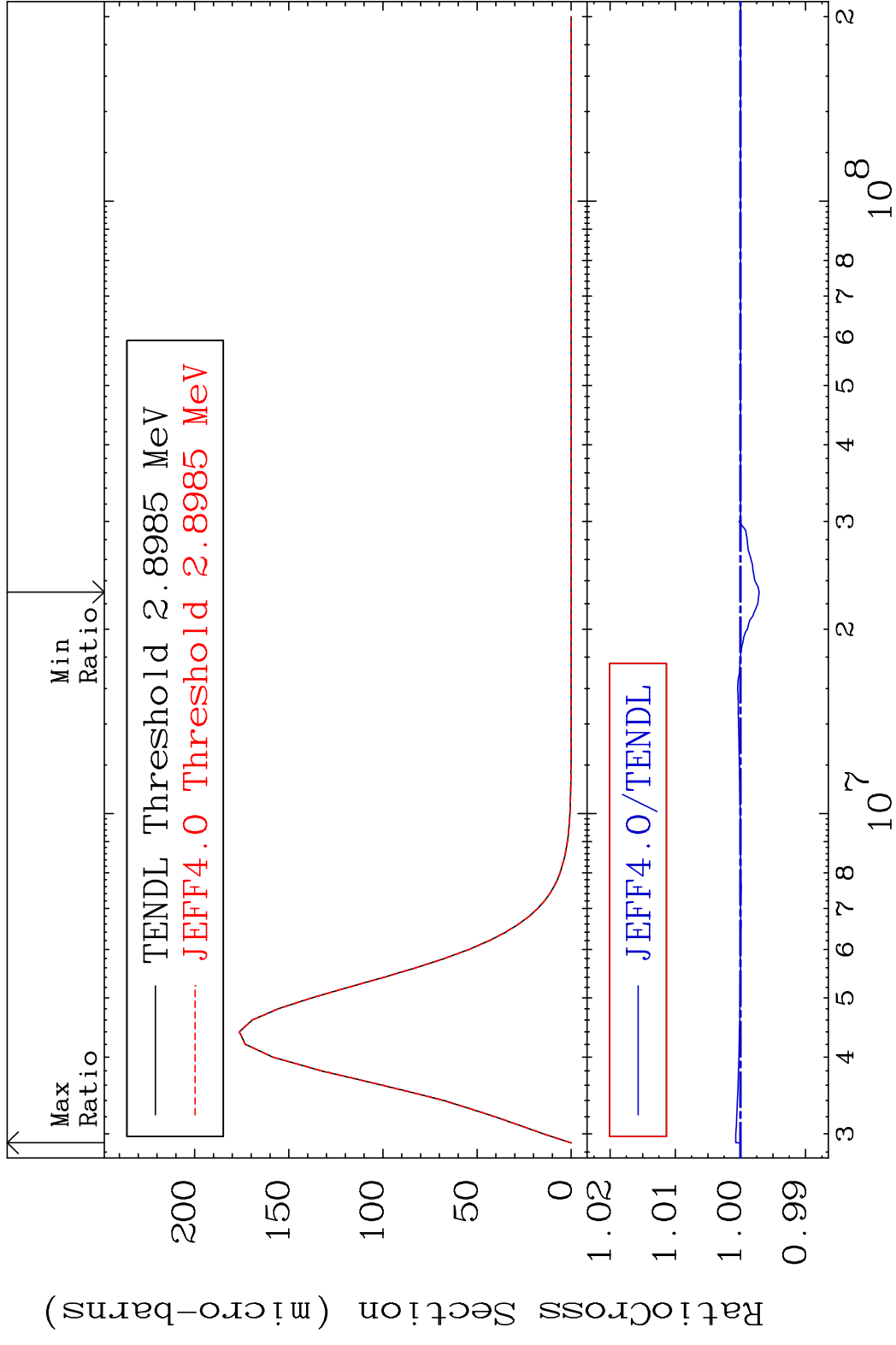
MAT 4455 MT= 76 (n,n') Level 44-Ru-106  
 Cross Section -0.003 To 0.033 %



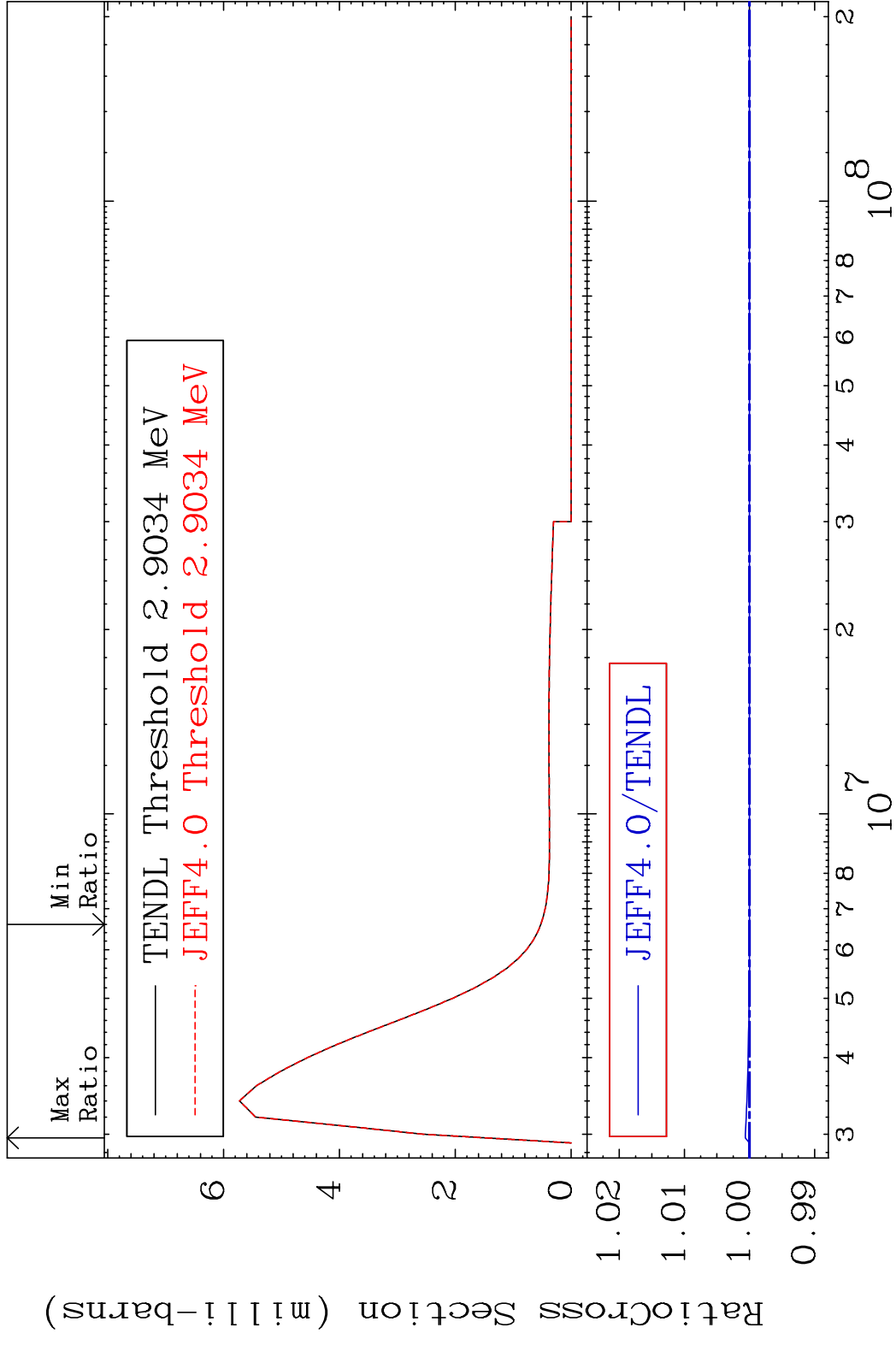
MAT 4455 MT= 77 (n,n') Level 44-Ru-106  
 Cross Section -0.001 To 0.025 %



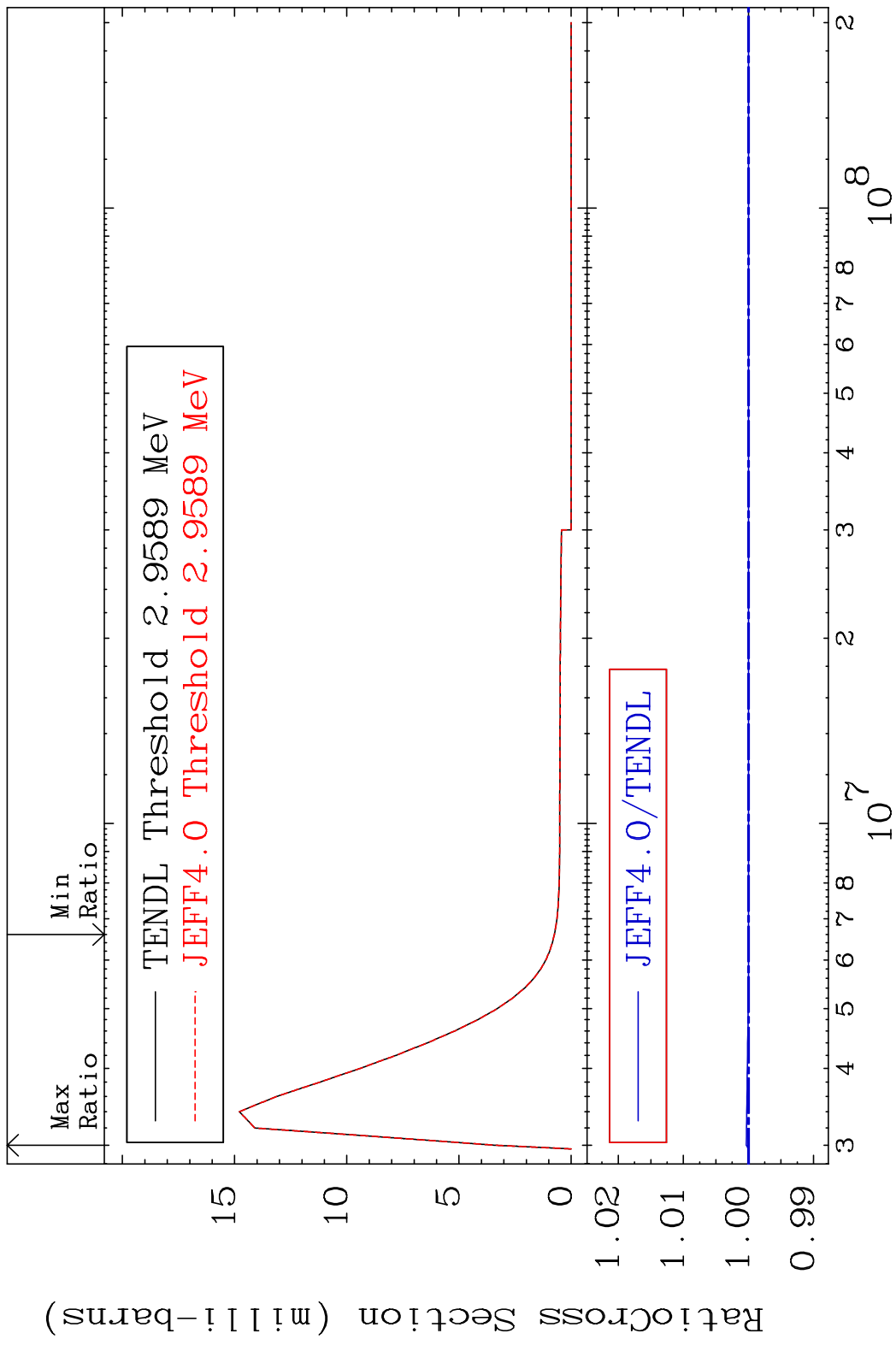
MAT 4455 MT= 78 (n, n') Level 44-Ru-106  
 Cross Section -0.288 To 0.073 %



MAT 4455 MT= 79 (n,n') Level 44-Ru-106  
 Cross Section -0.003 To 0.065 %



MAT 4455 MT= 80 (n,n') Level 44-Ru-106  
 Cross Section -0.003 To 0.033 %

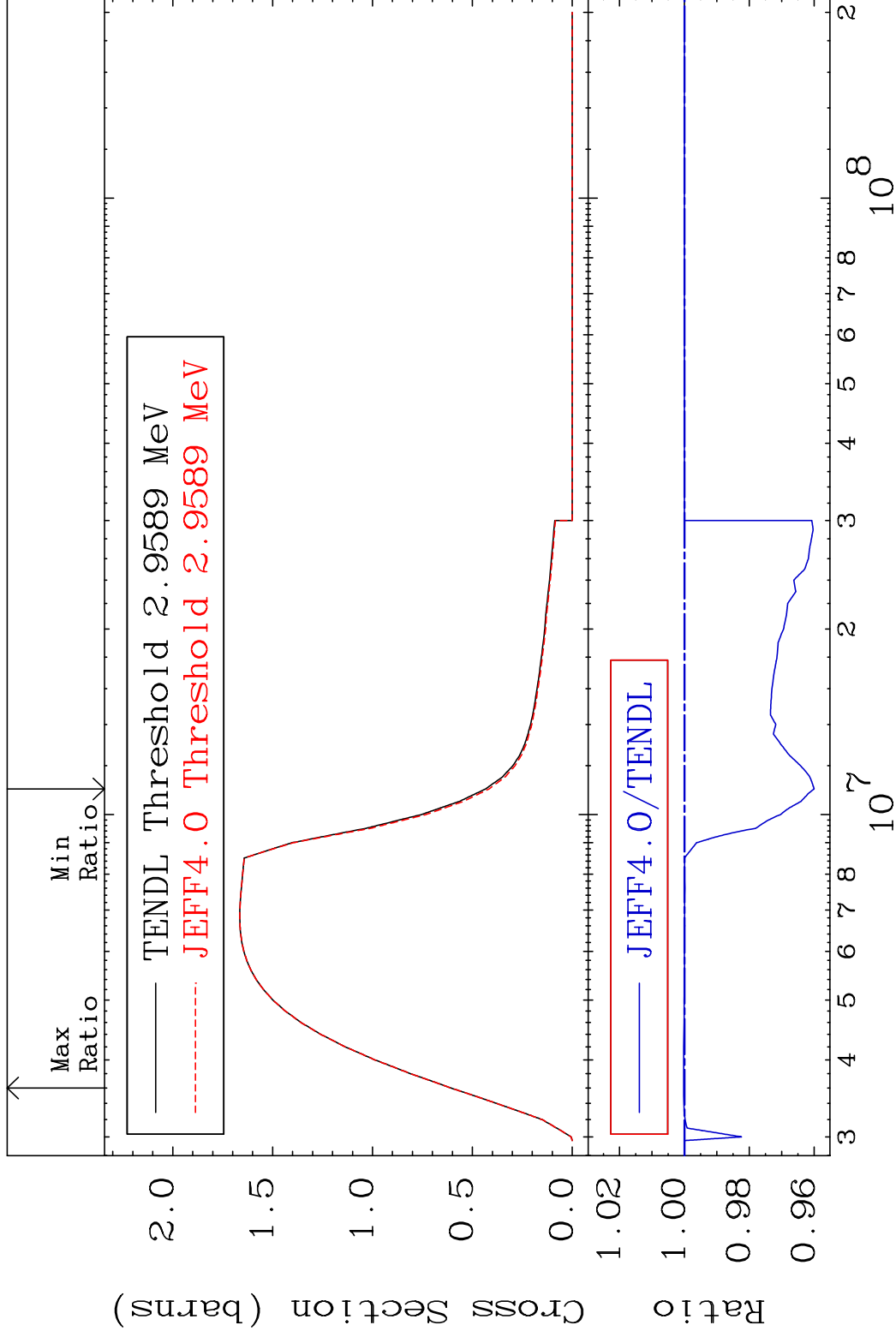


MAT 4455

(n,n') Continuum

44-Ru-106

Cross Section -3.998 To 0.025 %



48

Incident Energy (eV)

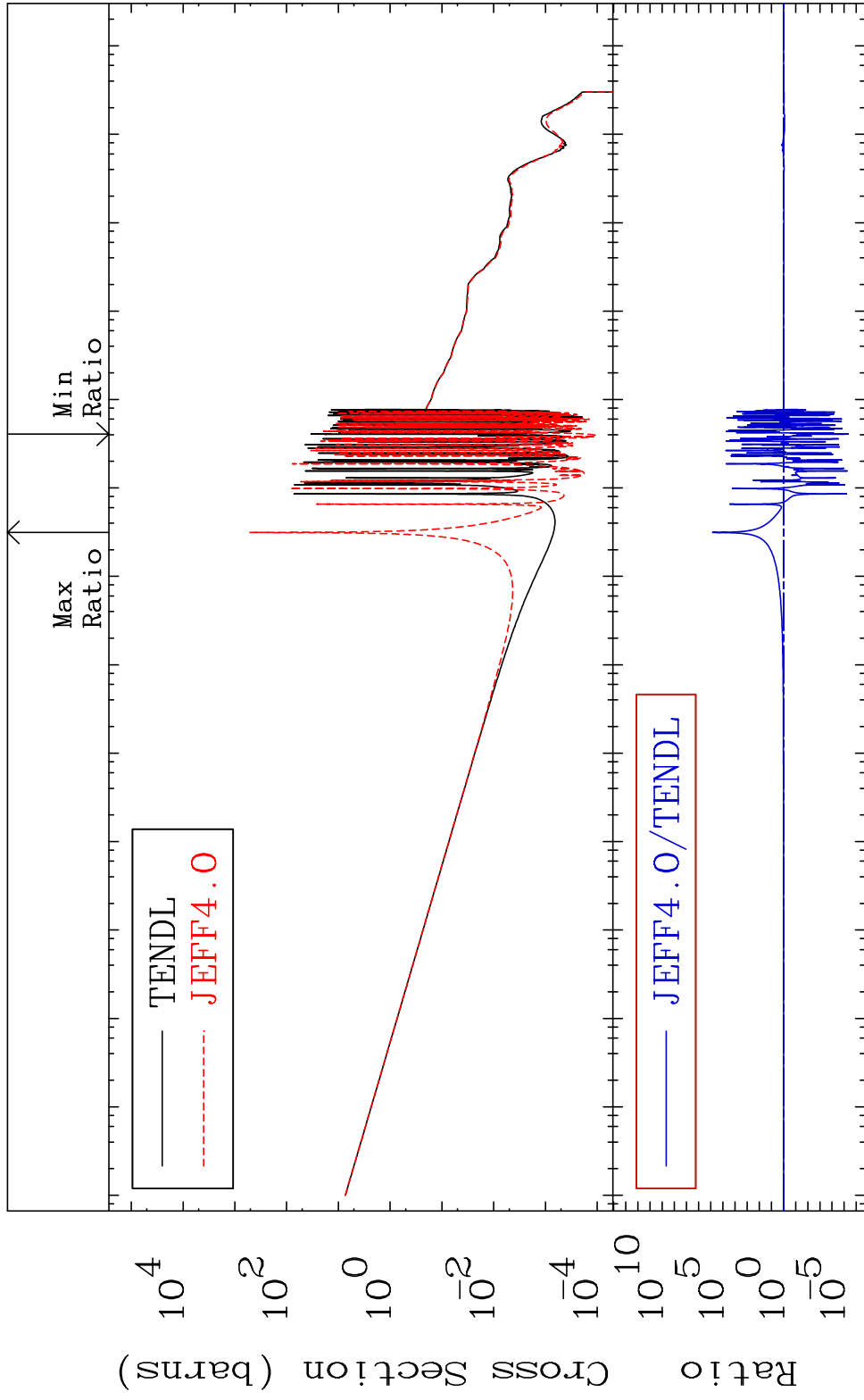
44-Ru-106

MAT 4455

(n,  $\gamma$ )

44-Ru-106

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

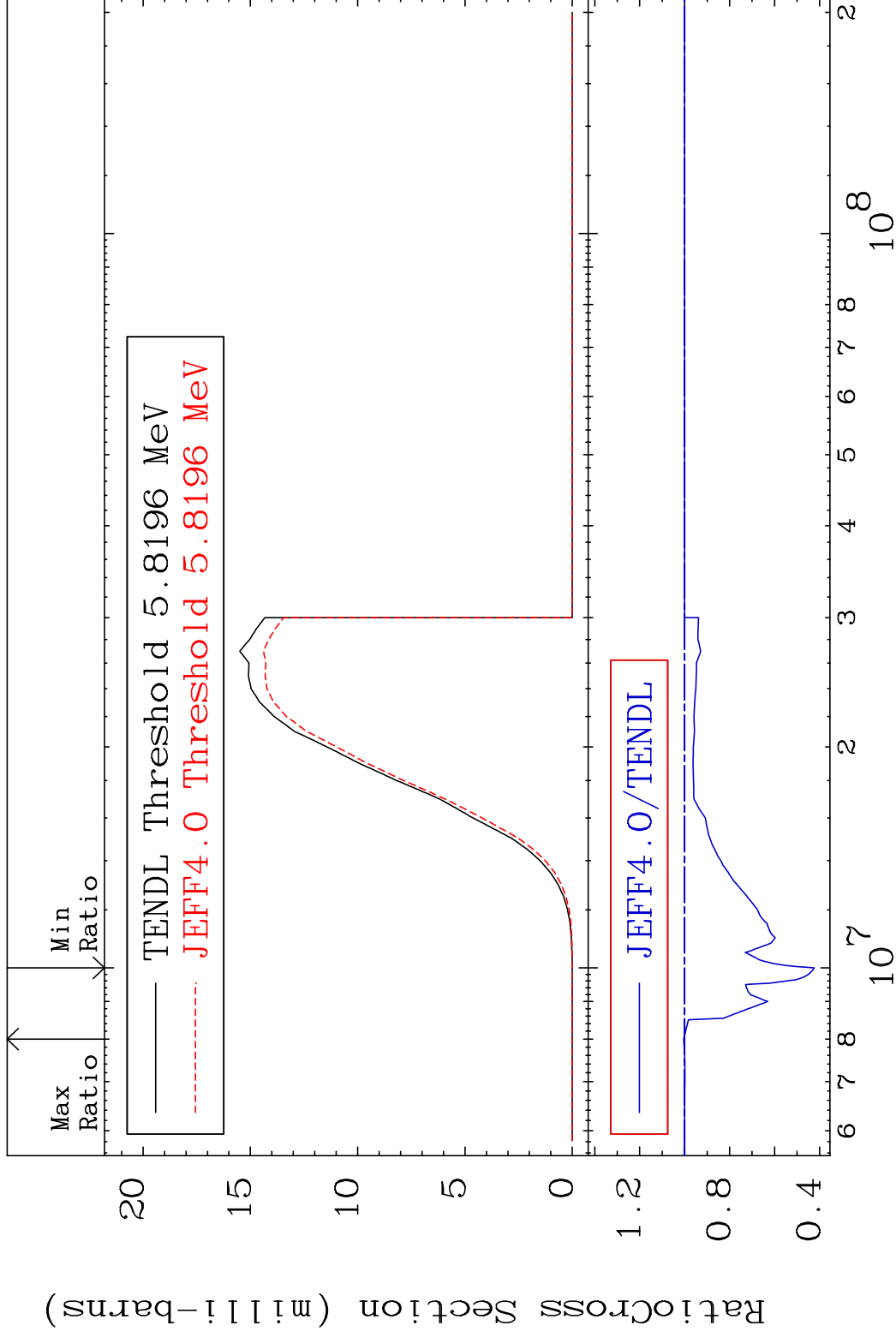
44-Ru-106

MAT 4455

(n, p)

44-Ru-106

Cross Section -57.57 To 0.445 %



50

Incident Energy (eV)

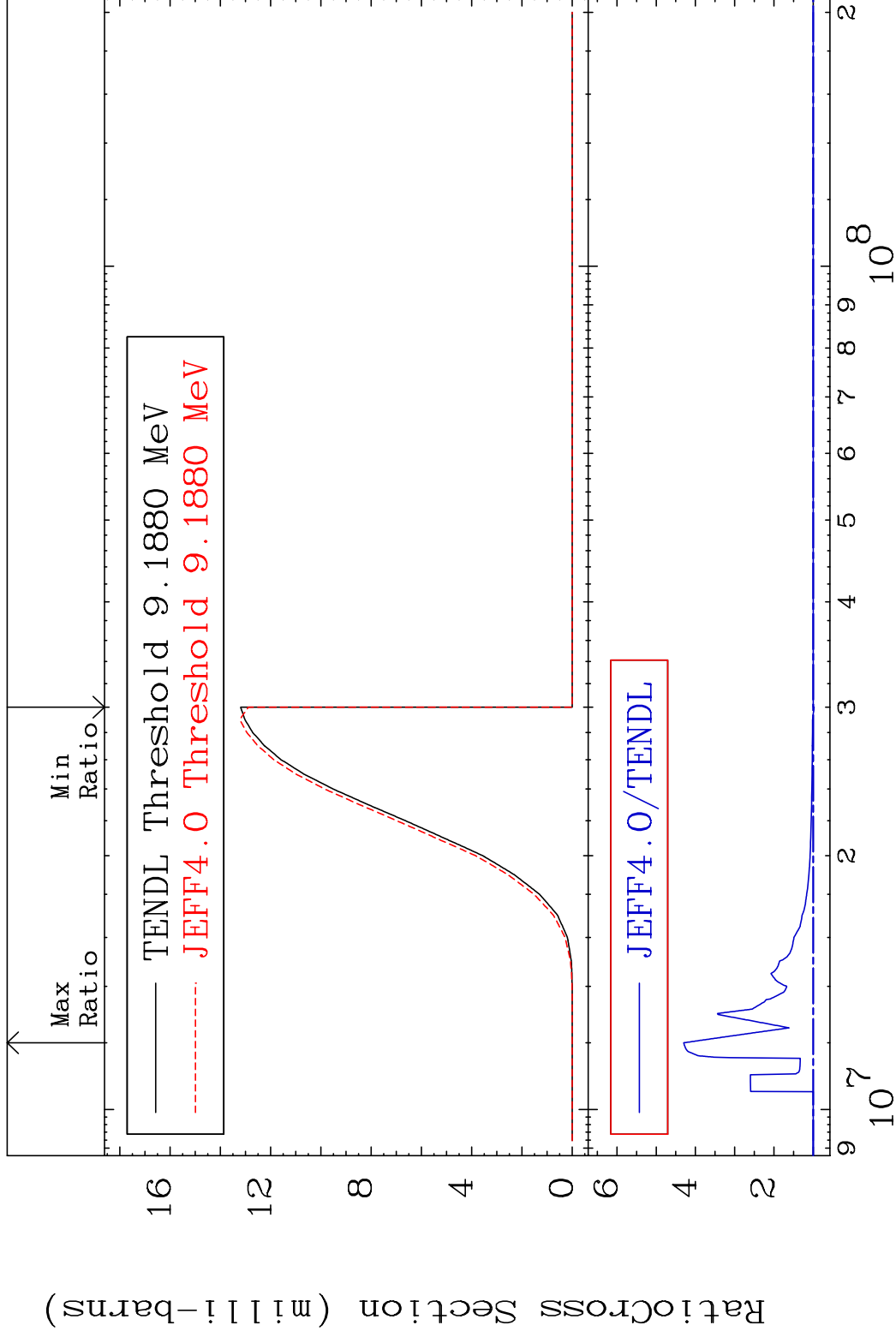
44-Ru-106

MAT 4455

(n, d)

44-Ru-106

Cross Section -2.319 To 330.0 %



51

Incident Energy (eV)

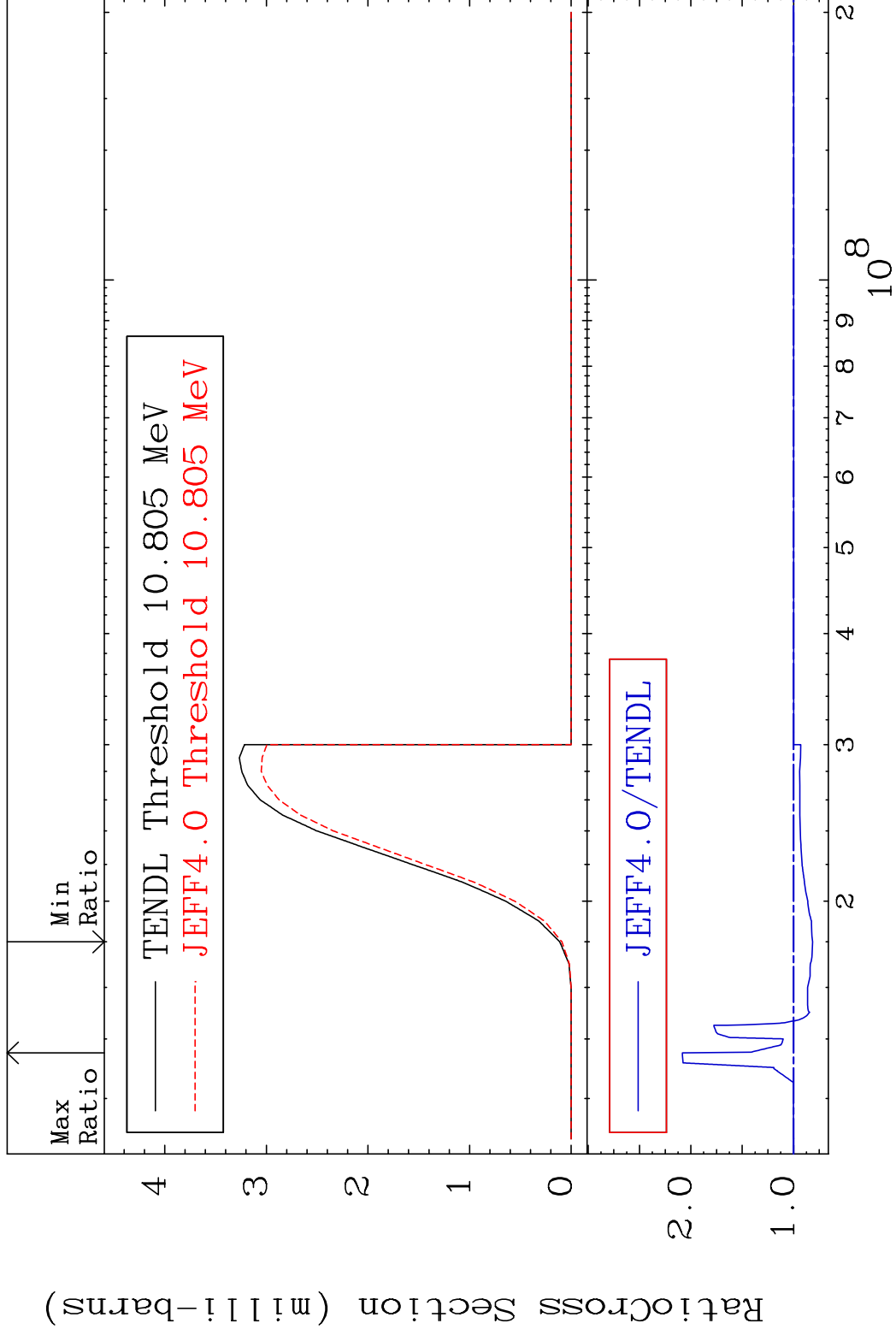
44-Ru-106

MAT 4455

(n, t)

44-Ru-106

Cross Section -18.48 To 108.3 %

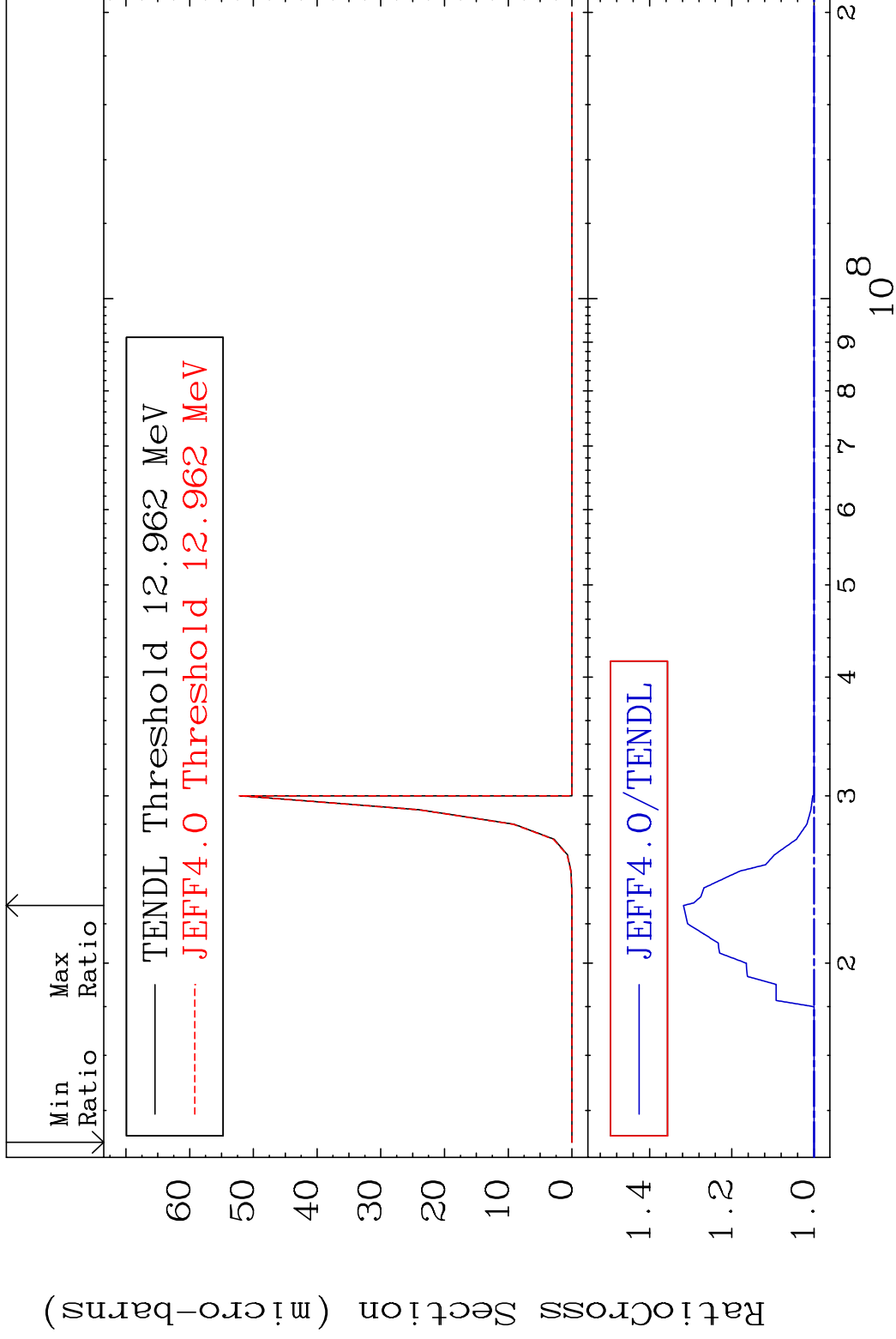


MAT 4455

(n, He-3)

44-Ru-106

Cross Section 0.000 To 31.77 %



53

Incident Energy (eV)

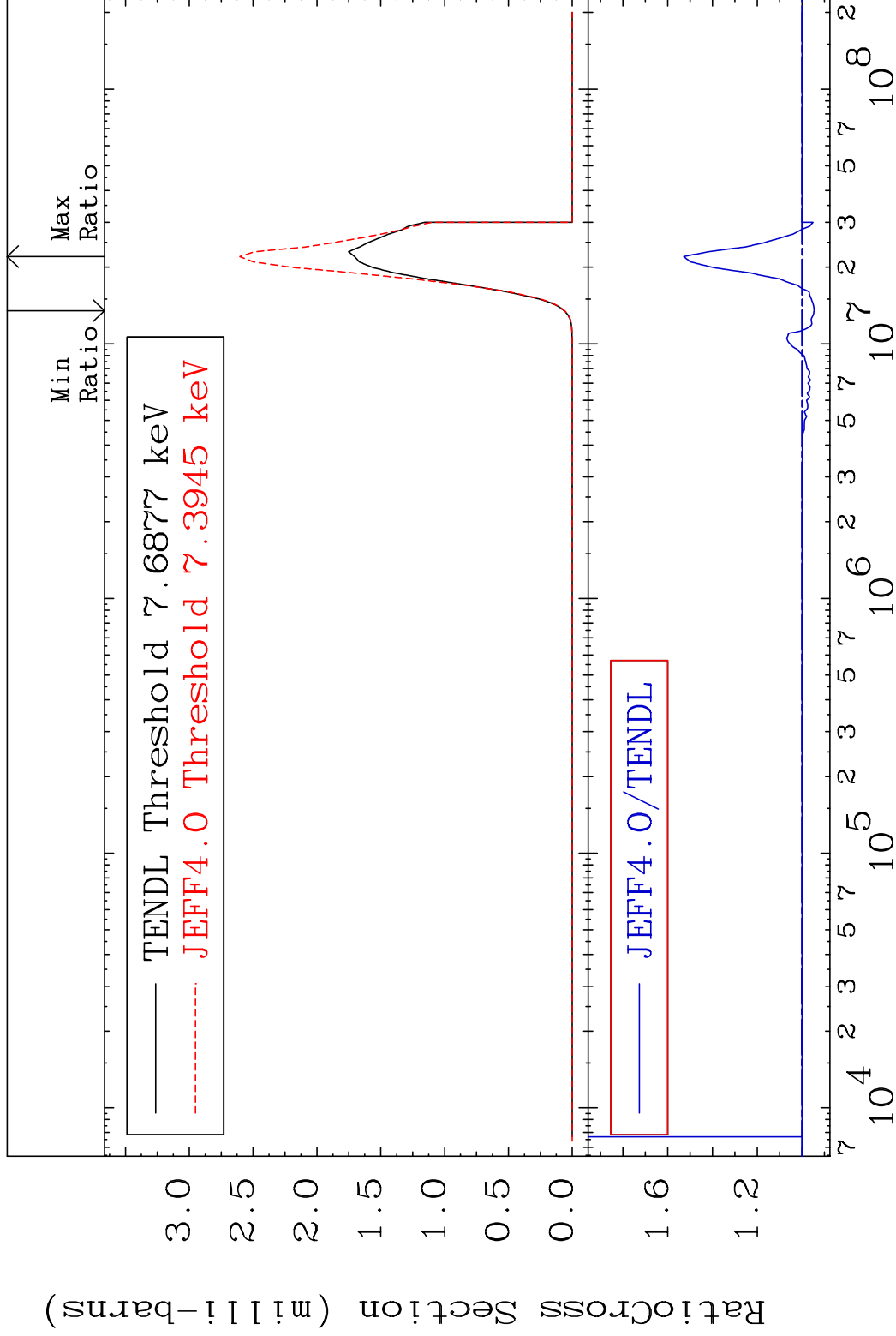
44-Ru-106

MAT 4455

(n,  $\alpha$ )

44-Ru-106

Cross Section -5.339 To 52.88 %



54

Incident Energy (eV)

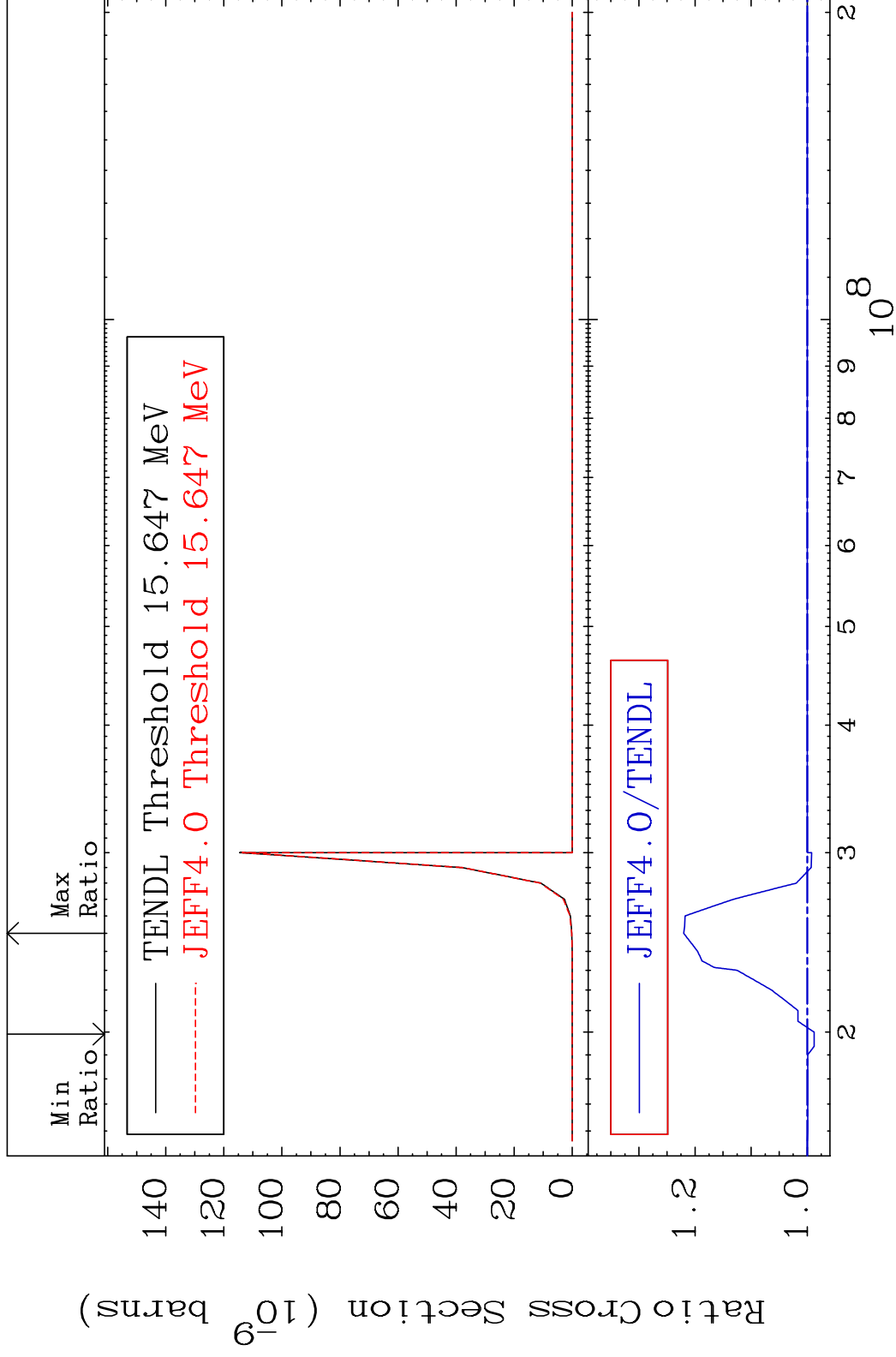
44-Ru-106

MAT 4455

(n,2p)

44-Ru-106

Cross Section -1.220 To 22.02 %



55

Incident Energy (eV)

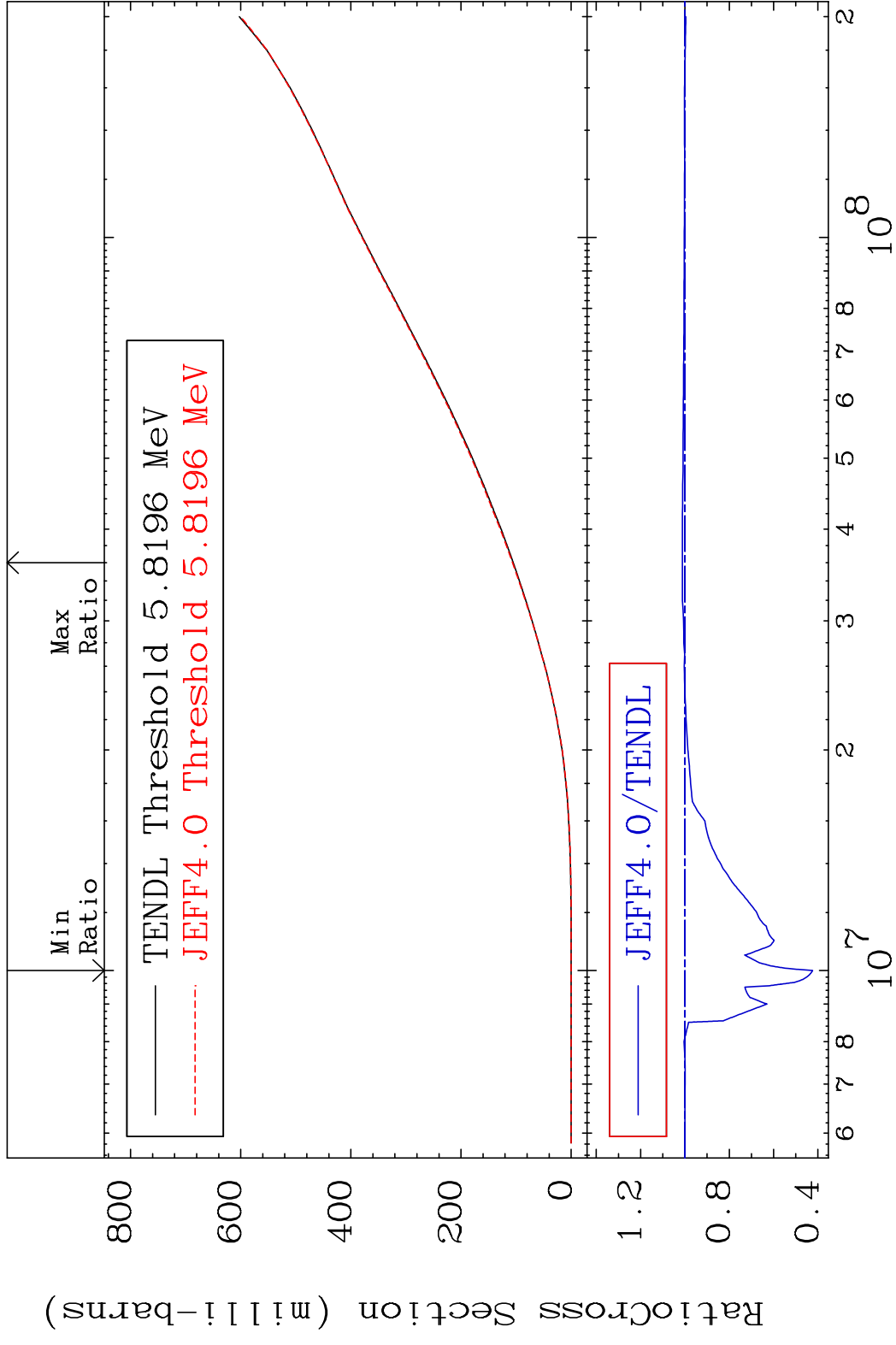
44-Ru-106



MAT 4455

Hydrogen Production  
Cross Section -57.57 To 1.170 %

44-Ru-106



57

Incident Energy (eV)

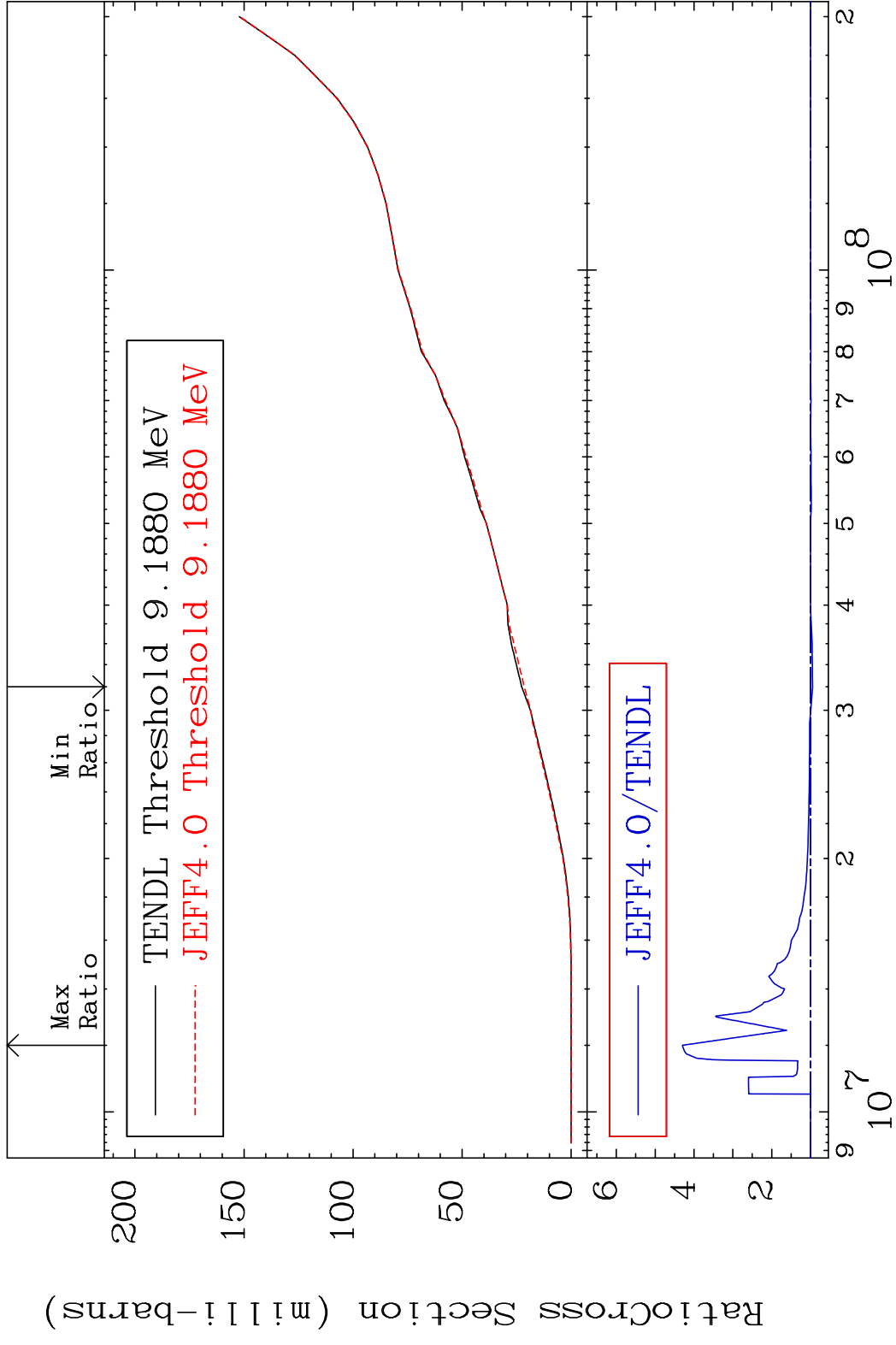
44-Ru-106

MAT 4455

Deuterium Production

44-Ru-106

Cross Section -5.229 To 330.0 %



58

Incident Energy (eV)

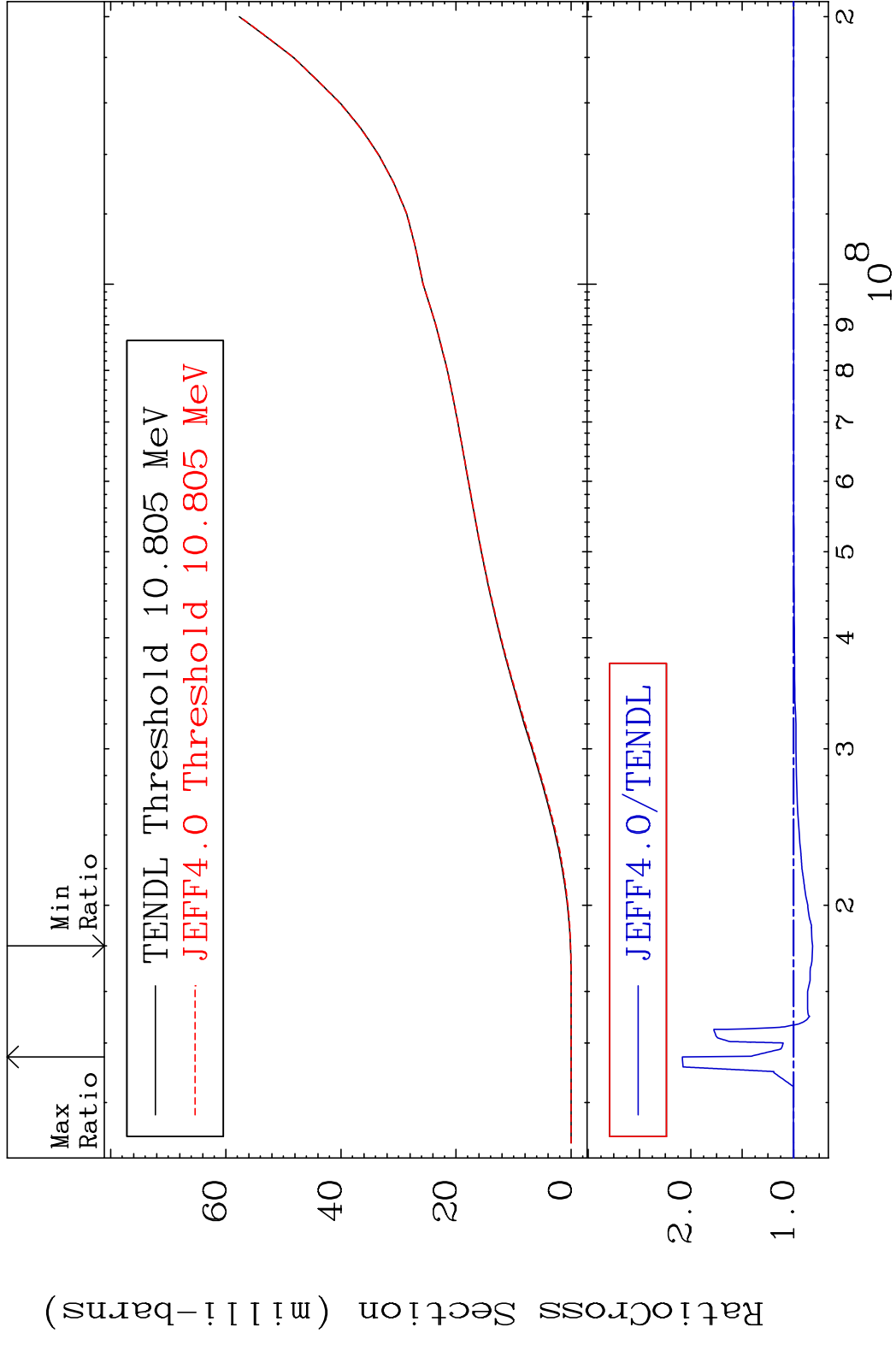
44-Ru-106

MAT 4455

Tritium Production

44-Ru-106

Cross Section -18.48 To 108.3 %

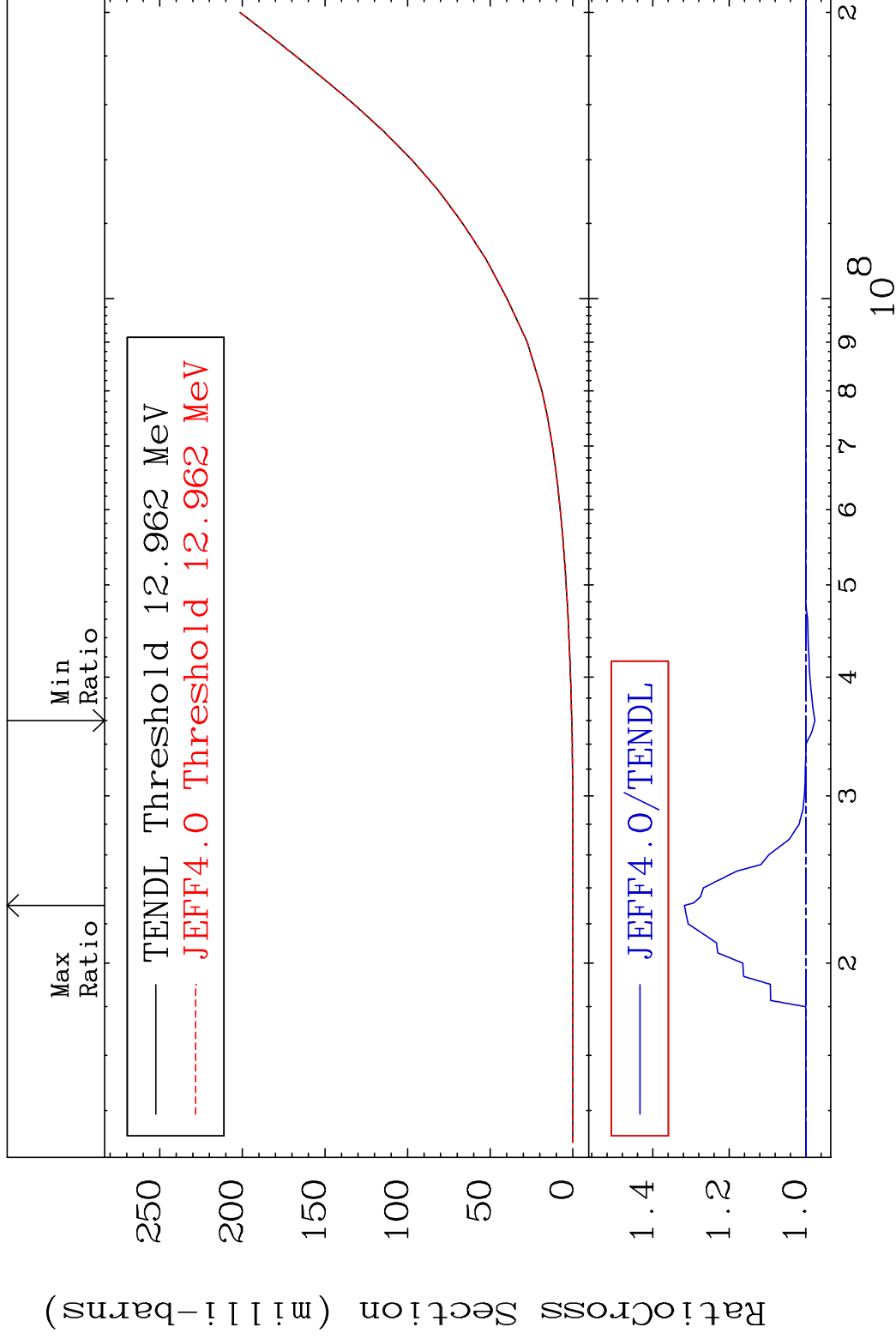


MAT 4455

He-3 Production

44-Ru-106

Cross Section -2.394 To 31.77 %



60

Incident Energy (eV)

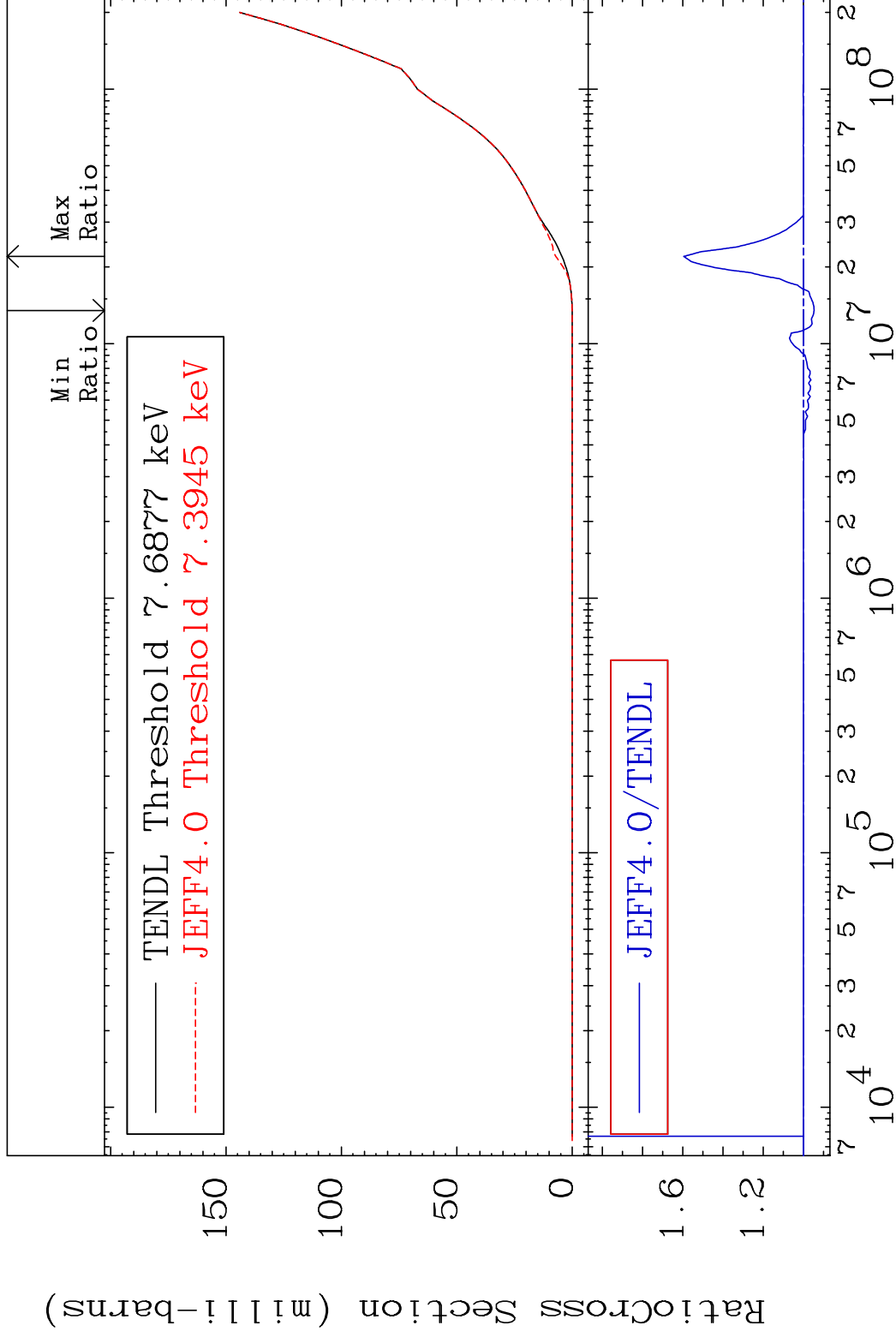
44-Ru-106

MAT 4455

He-4 Production

44-Ru-106

Cross Section -5.329 To 59.56 %



61

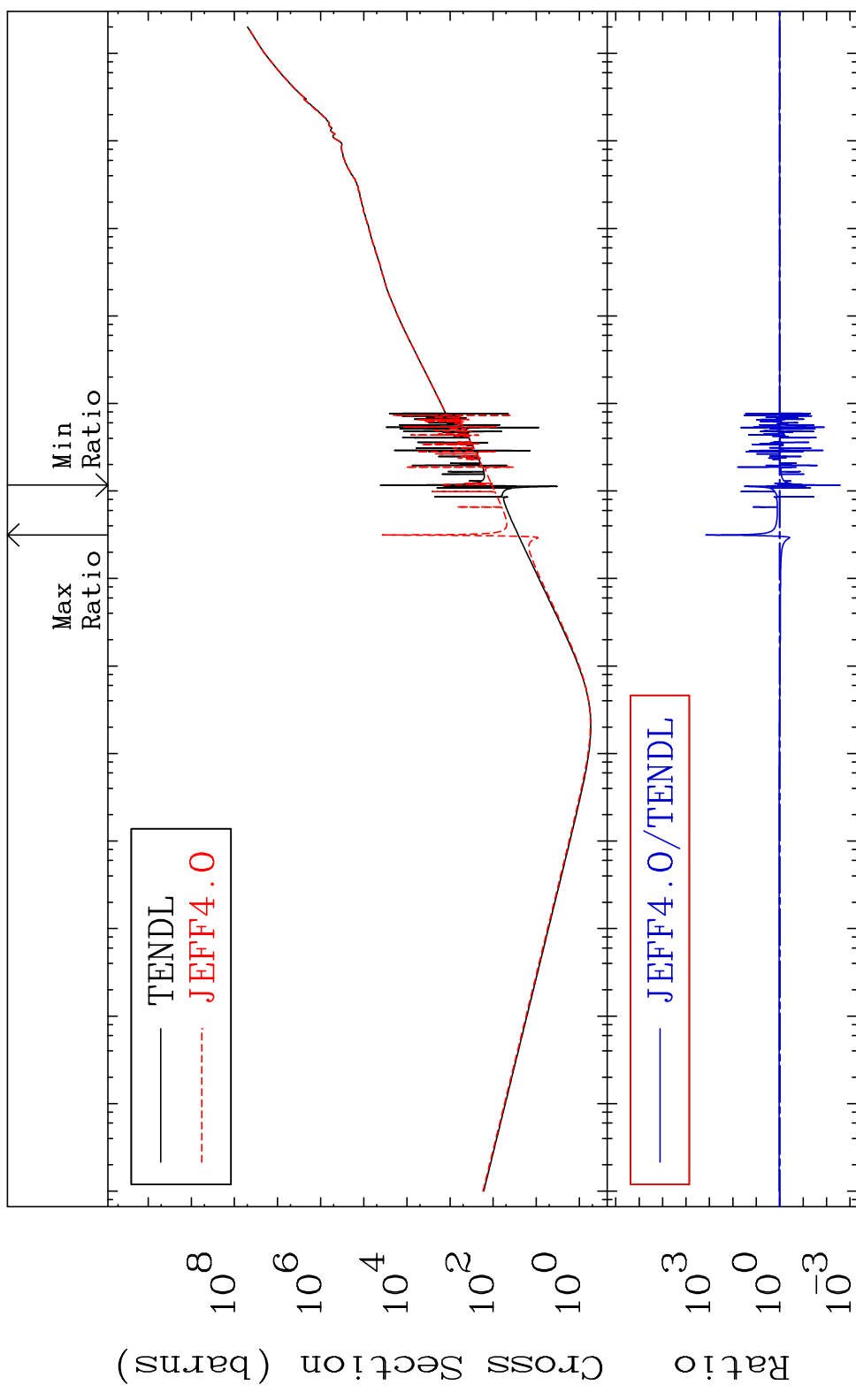
Incident Energy (eV)

44-Ru-106

MAT 4455

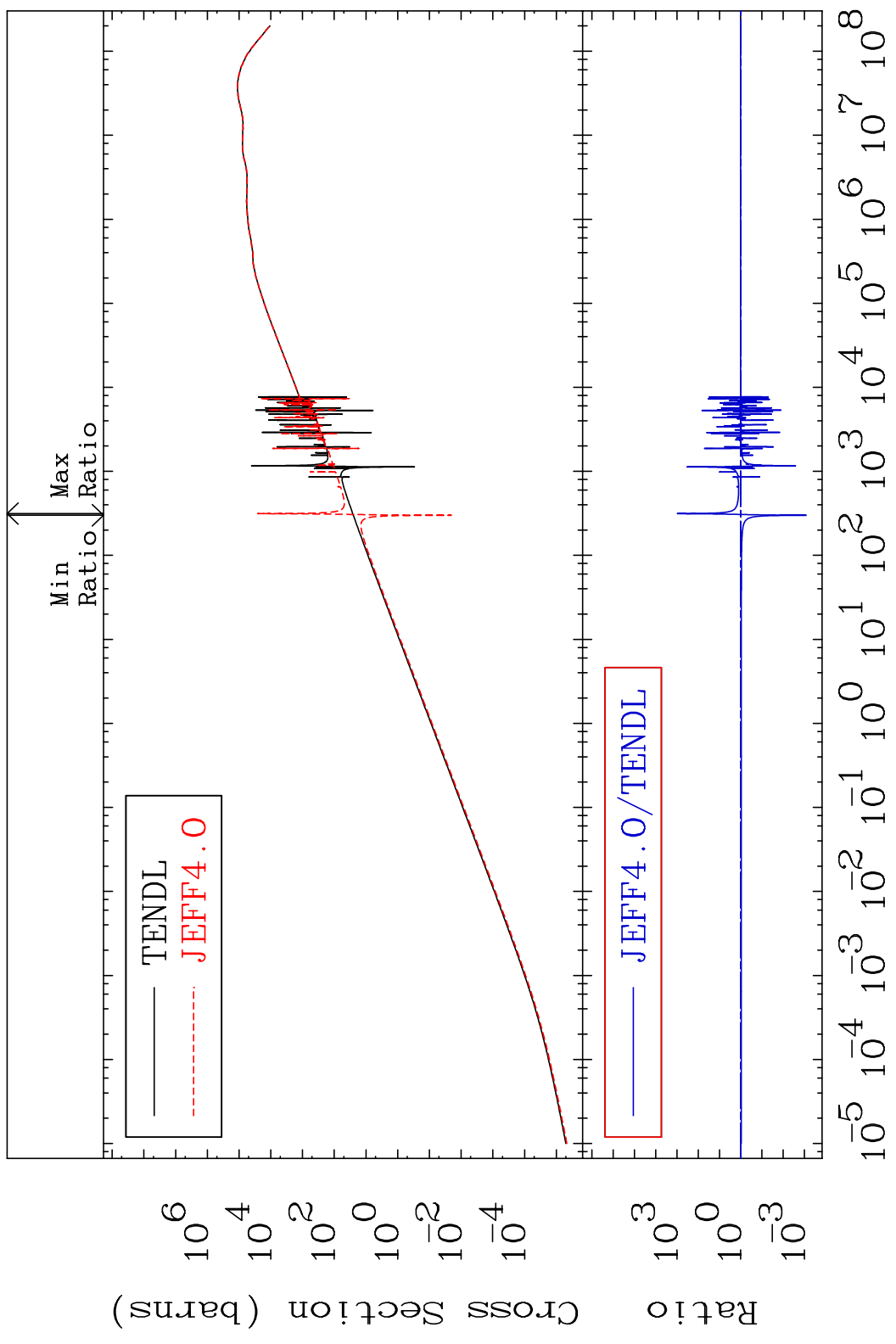
Kerma total (eV-barns) 44-Ru-106

Cross Section -99.75 To 9999. %

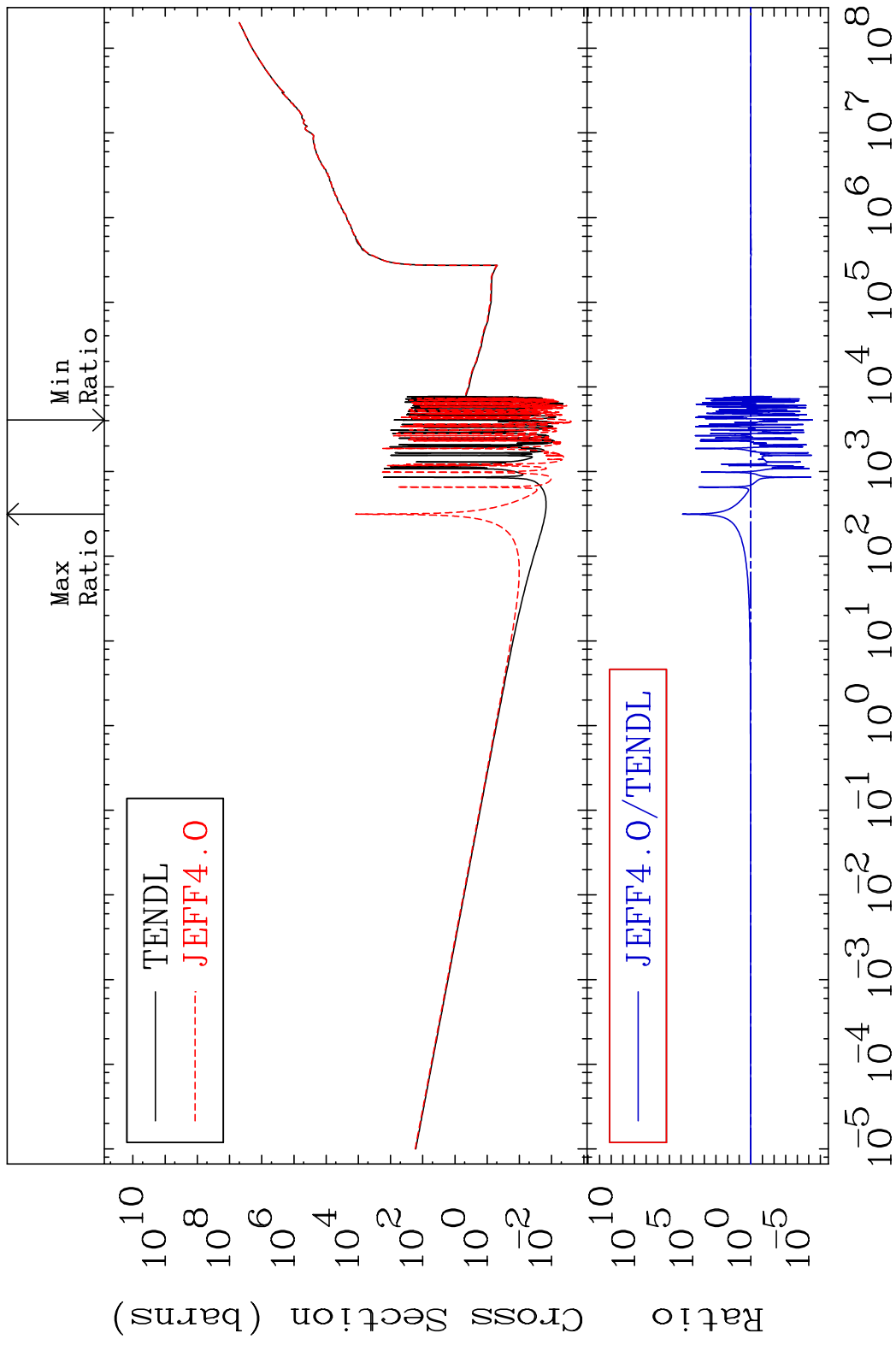


MAT 4455

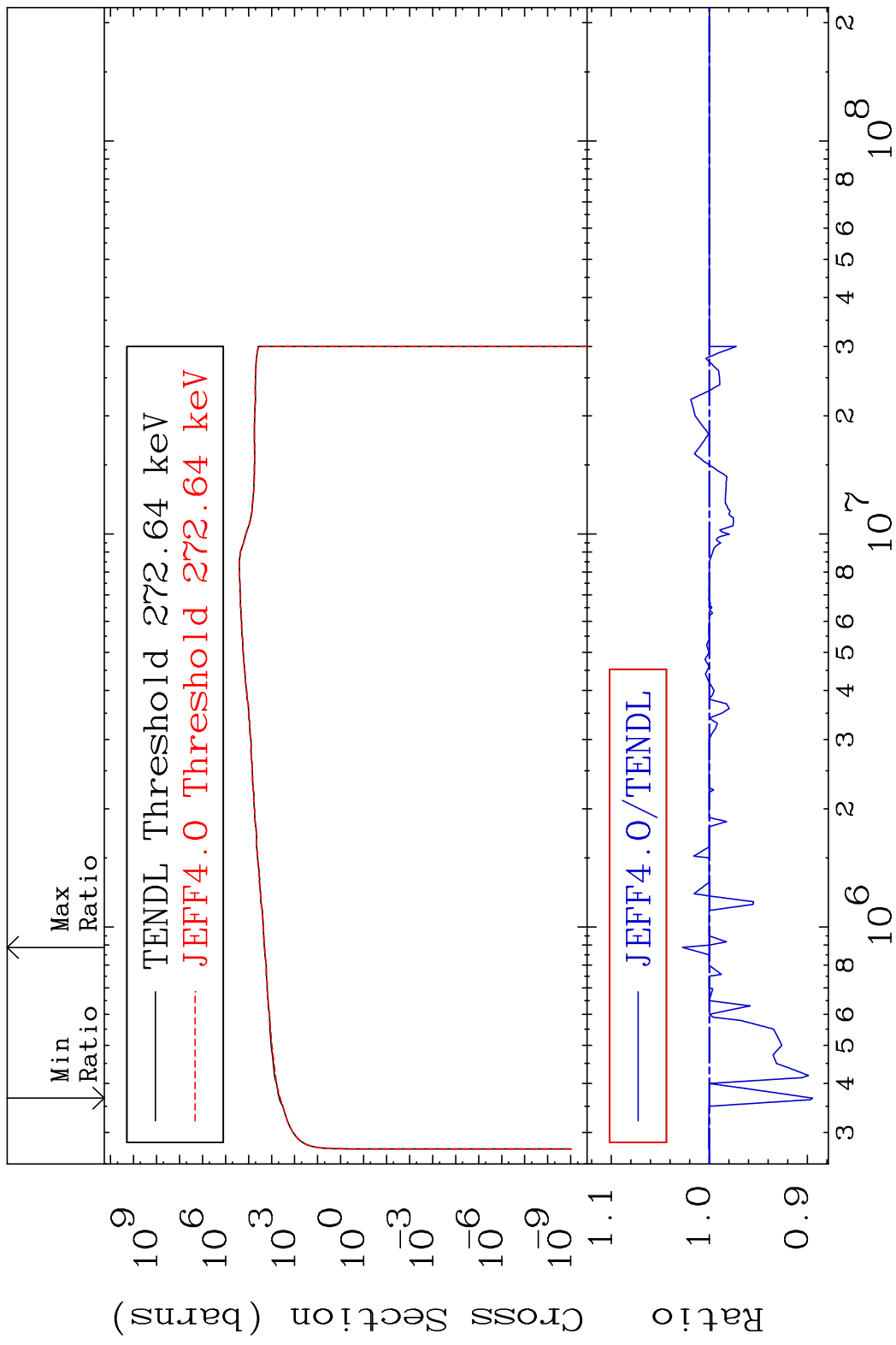
Kerma elastic Cross Section -99.92 To 9999. %  
44-Ru-106



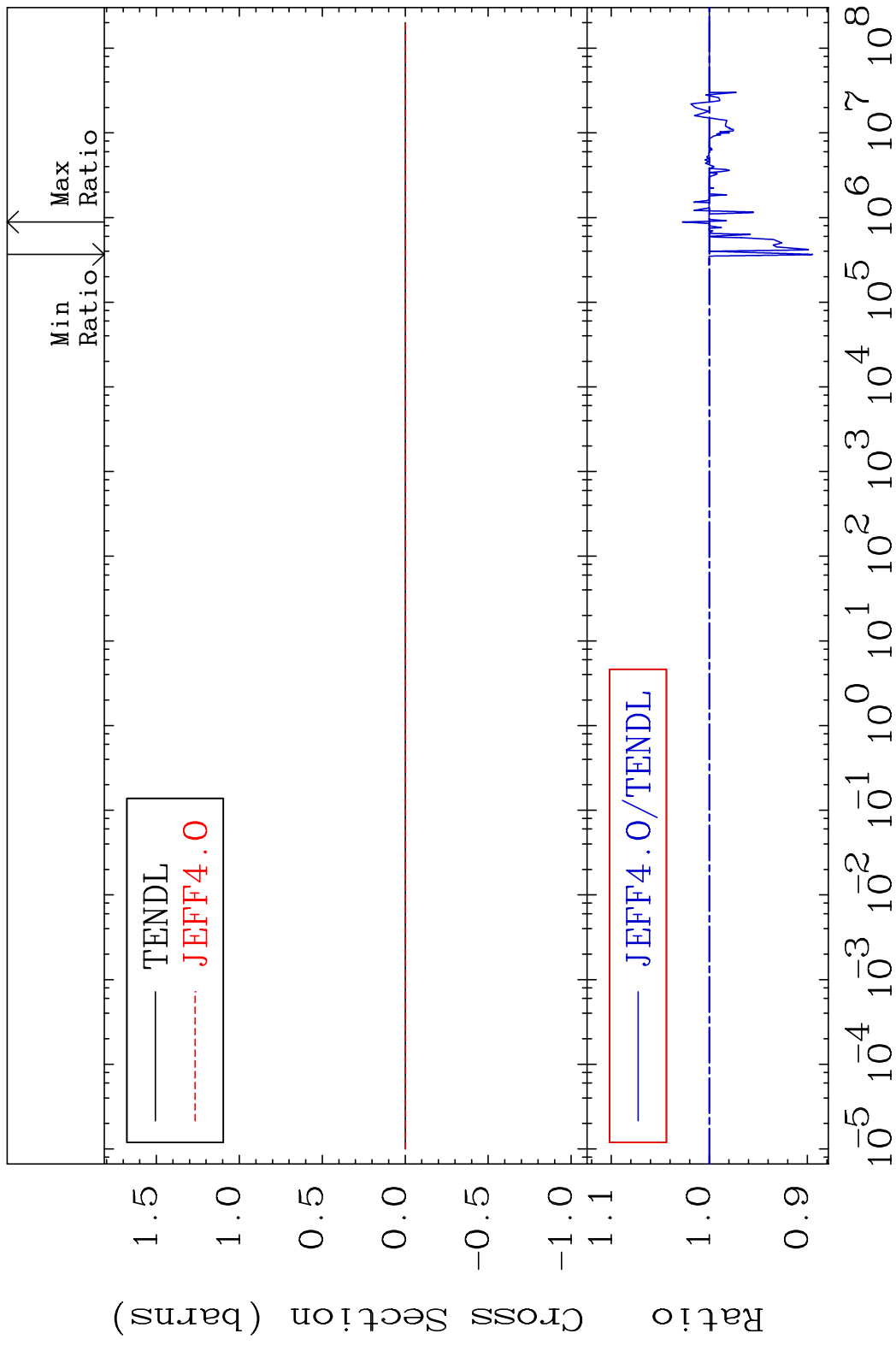
MAT 4455 Kerma non-elastic (all but mt2) 44-Ru-106  
 Cross Section -100.0 To 9999. %



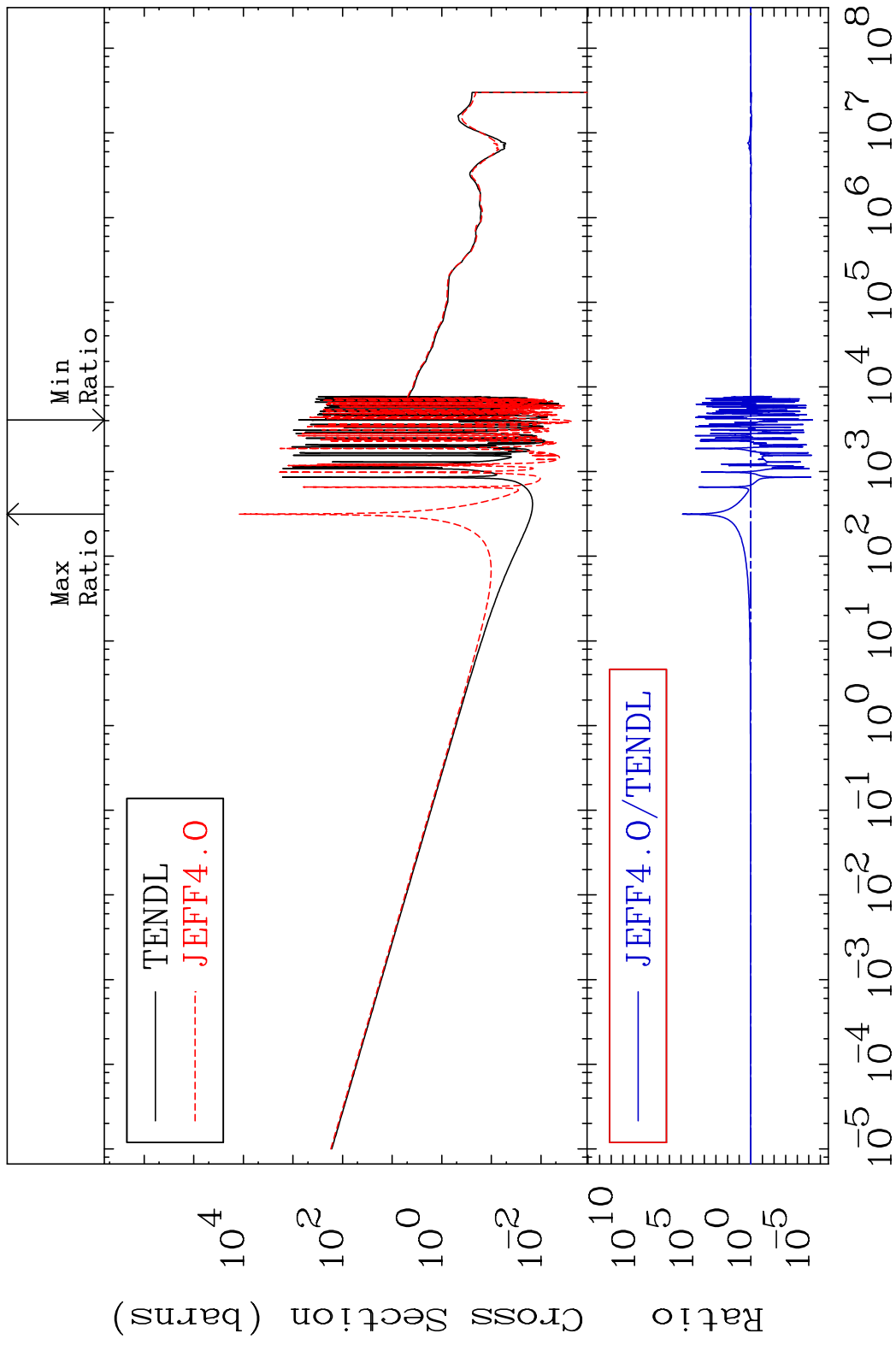
MAT 4455 Kerma inelastic (mt51-91) 44-Ru-106  
 Cross Section -10.53 To 2.747 %



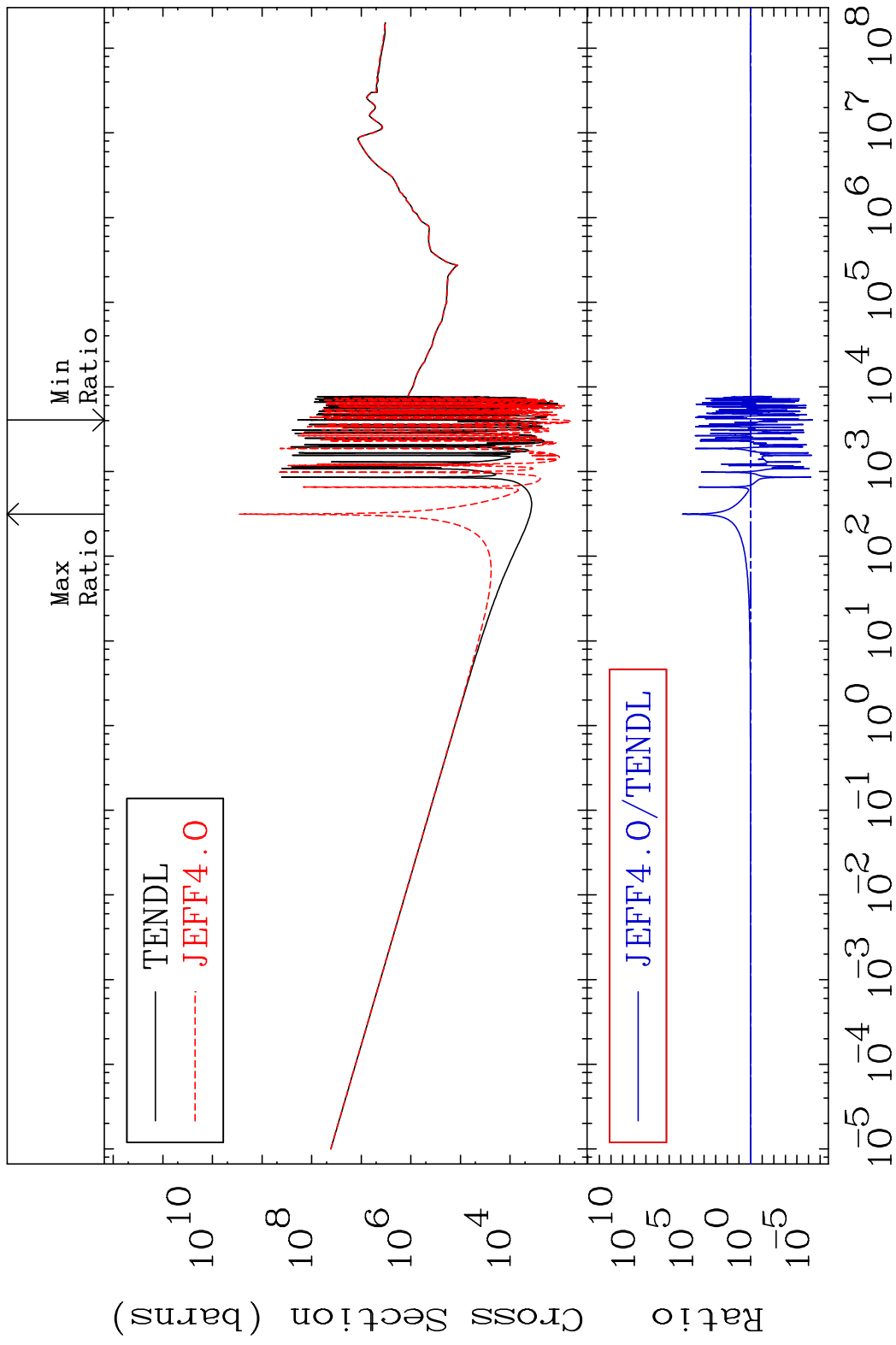
MAT 4455 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-106  
 Cross Section -10.53 To 2.747 %



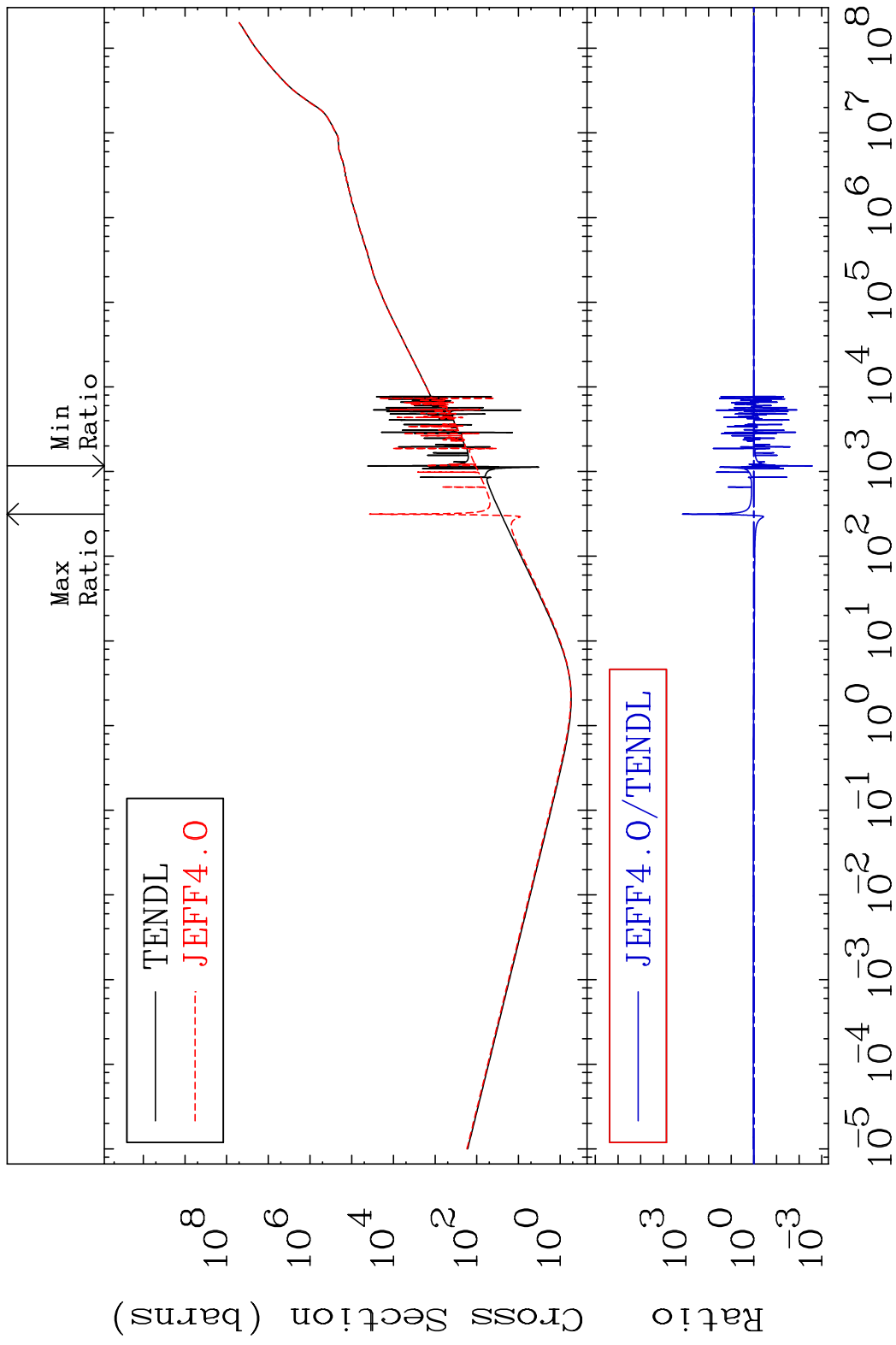
MAT 4455 Kerma capture (mt102) 44-Ru-106  
 Cross Section -100.0 To 9999. %



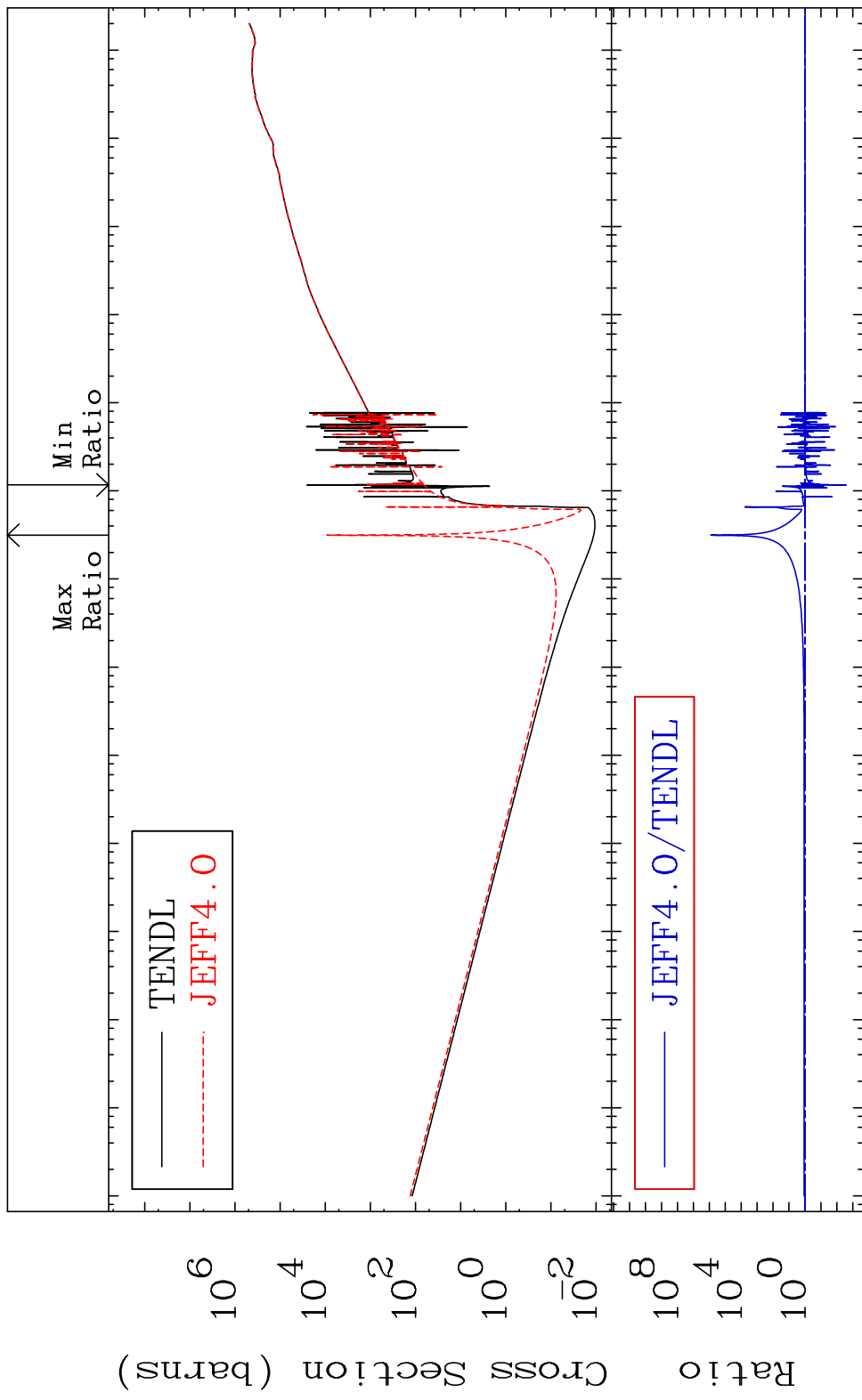
MAT 4455 Total photon (eV-barns) 44-Ru-106  
 Cross Section -100.0 To 9999. %



MAT 4455 Total kinematic kerma (high limit) 44-Ru-106  
 Cross Section -99.75 To 9999. %



MAT 4455      Dpa total (eV-barns)      44-Ru-106  
 Cross Section      -99.75 To 9999. %



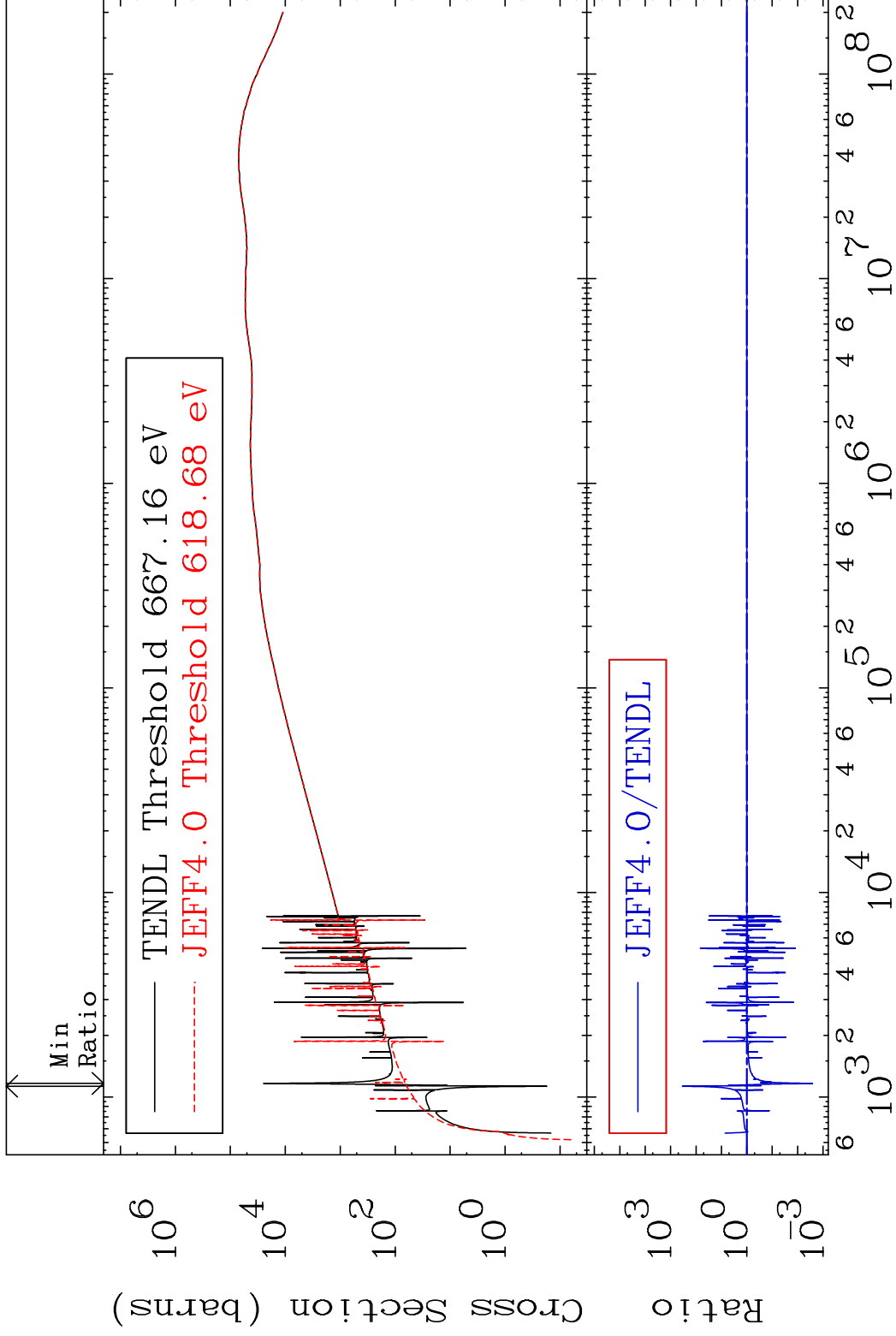
70      Incident Energy (eV)      44-Ru-106

MAT 4455

Dpa elastic (mt2)

44-Ru-106

Cross Section -99.74 To 9999. %

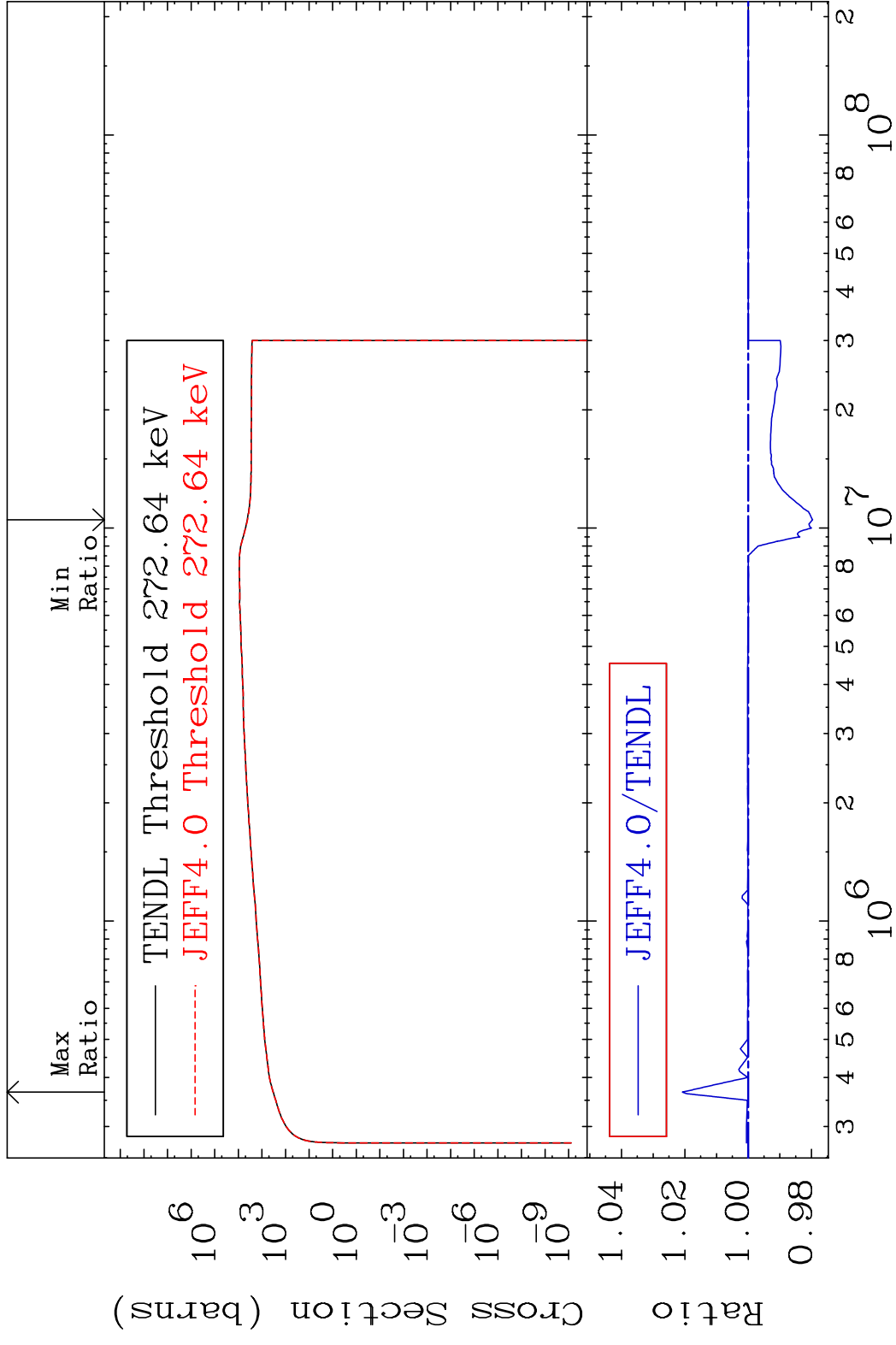


71

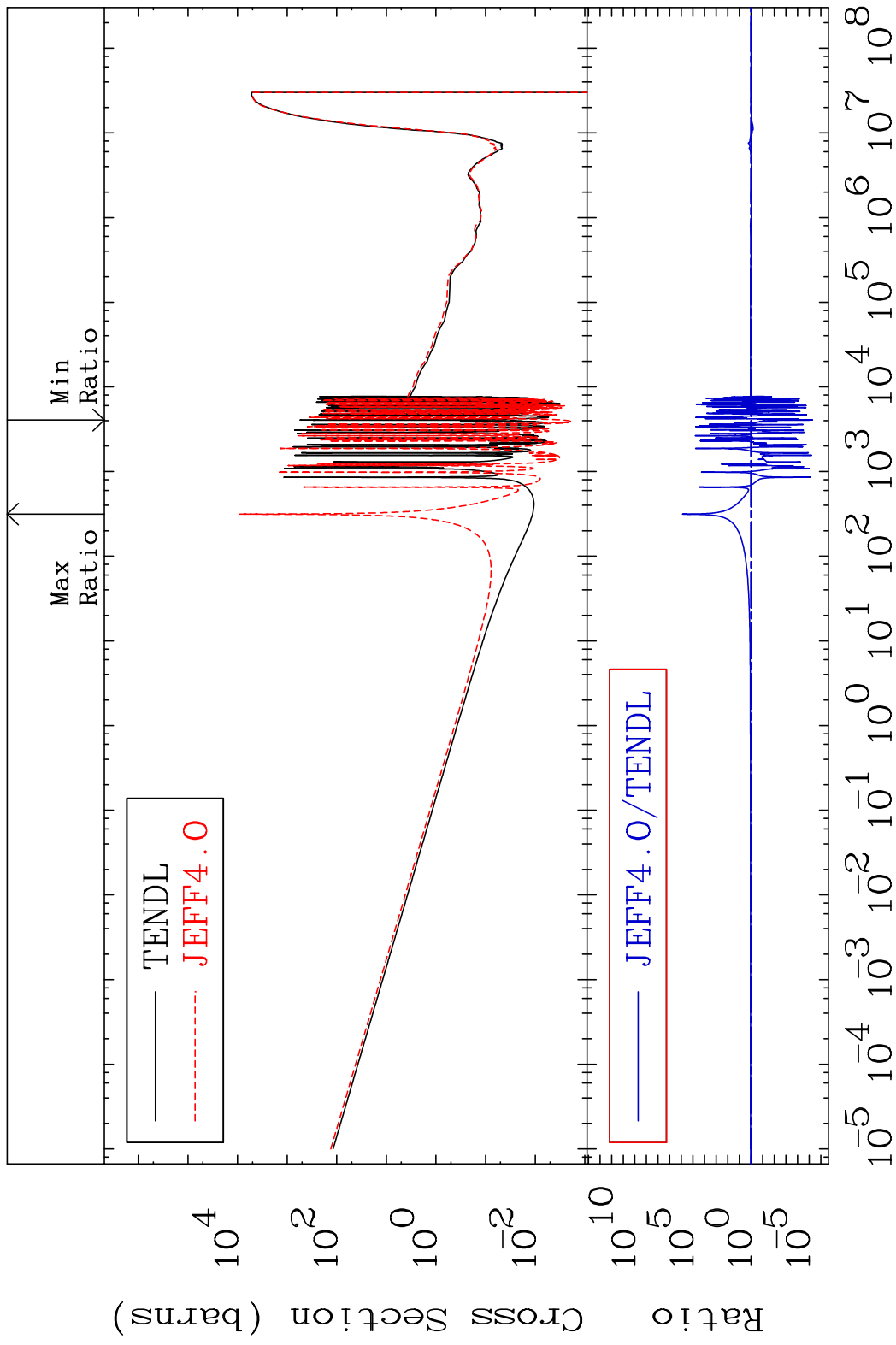
Incident Energy (eV)

44-Ru-106

MAT 4455 Dpa inelastic (mt51-91) 44-Ru-106  
 Cross Section -2.031 To 2.077 %



MAT 4455 Dpa disappearance (mt102 -120) 44-Ru-106  
 Cross Section -100.0 To 9999. %



73 Incident Energy (eV) 44-Ru-106

MAT 4455 (n, p)  $\alpha$ :41-Nb-102g 44-Ru-106  
 Radionuclide Production Cross Section 14.26 %

