

Program Complot  
(Version 2021-1)

by

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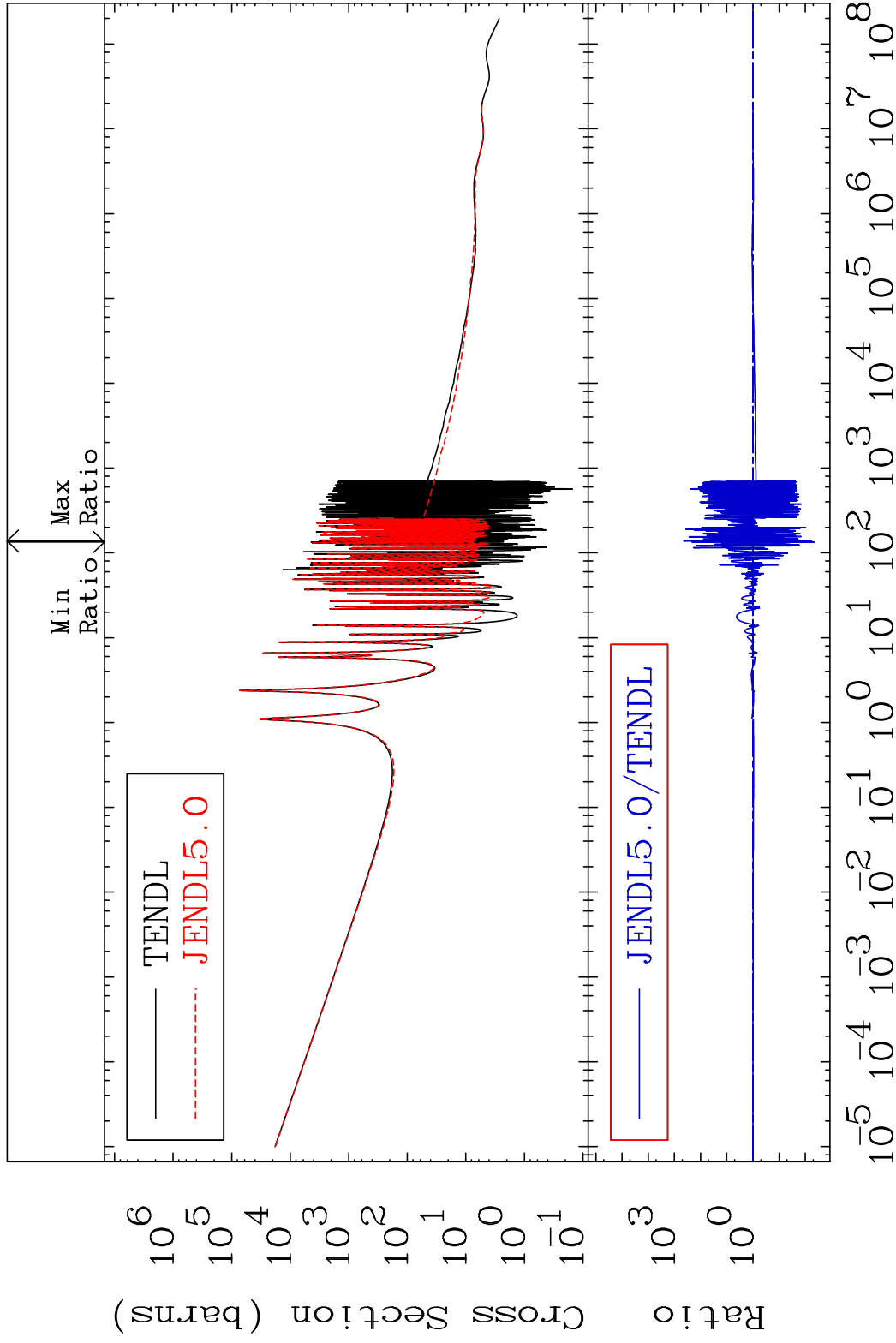
Press Mouse Button to Start

MAT 7234

Total

72-Hf-177

Cross Section -99.54 To 9999. %



1

Incident Energy (eV)

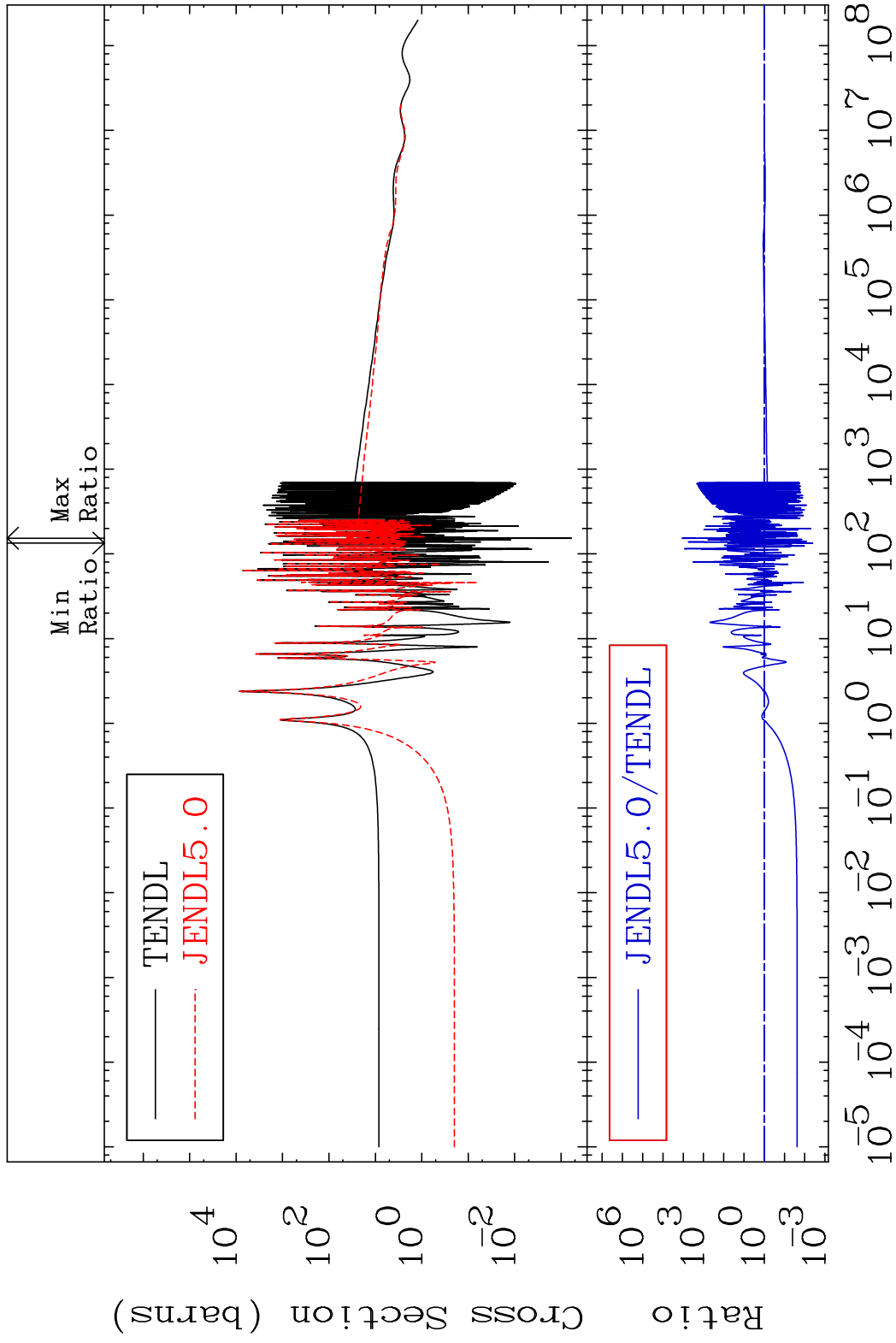
72-Hf-177

MAT 7234

Elastic

72-Hf-177

Cross Section -99.59 To 9999. %

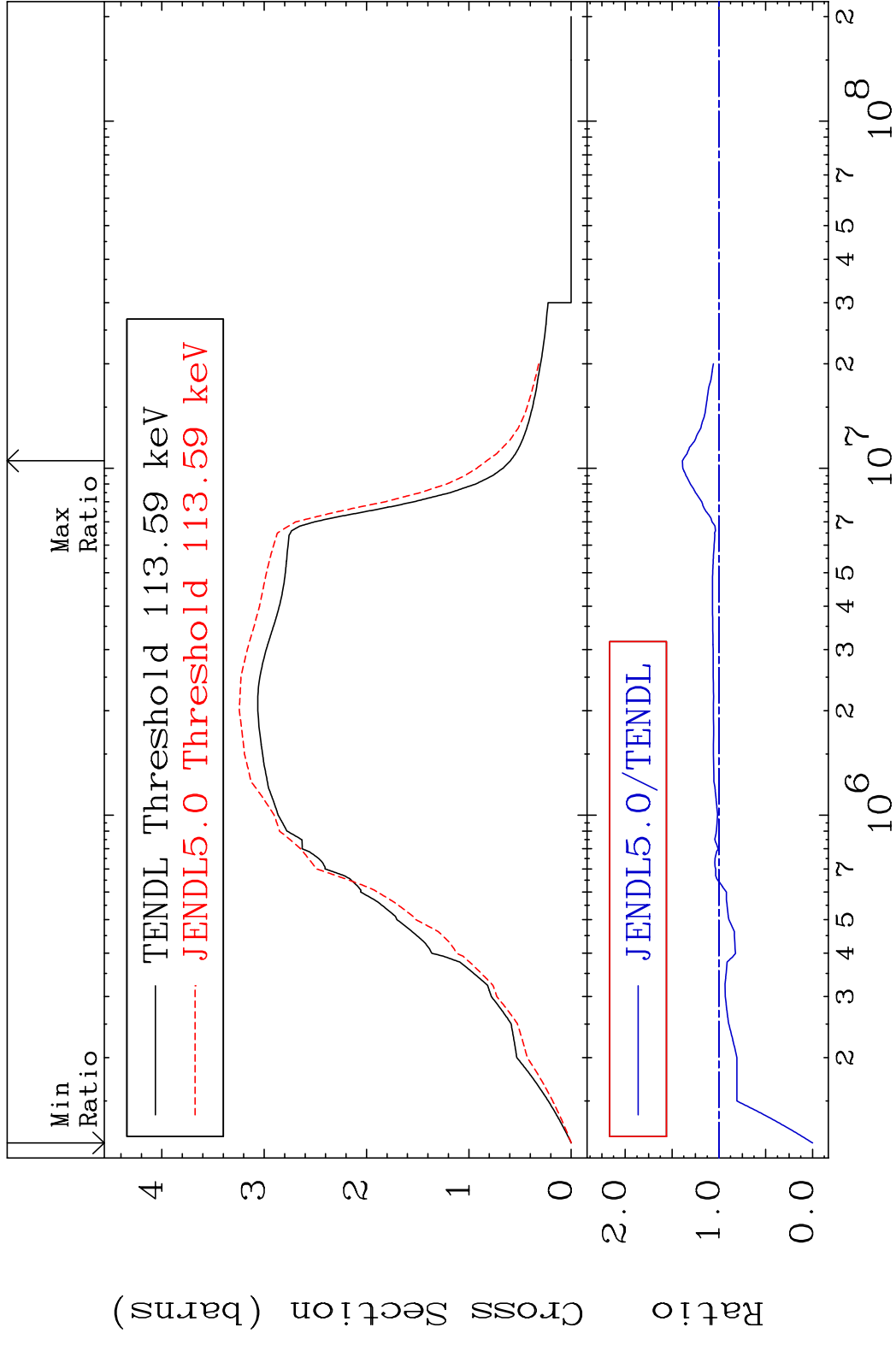


2

Incident Energy (eV)

72-Hf-177

MAT 7234 Inelastic 72-Hf-177  
 Cross Section -100.0 To 38.99 %

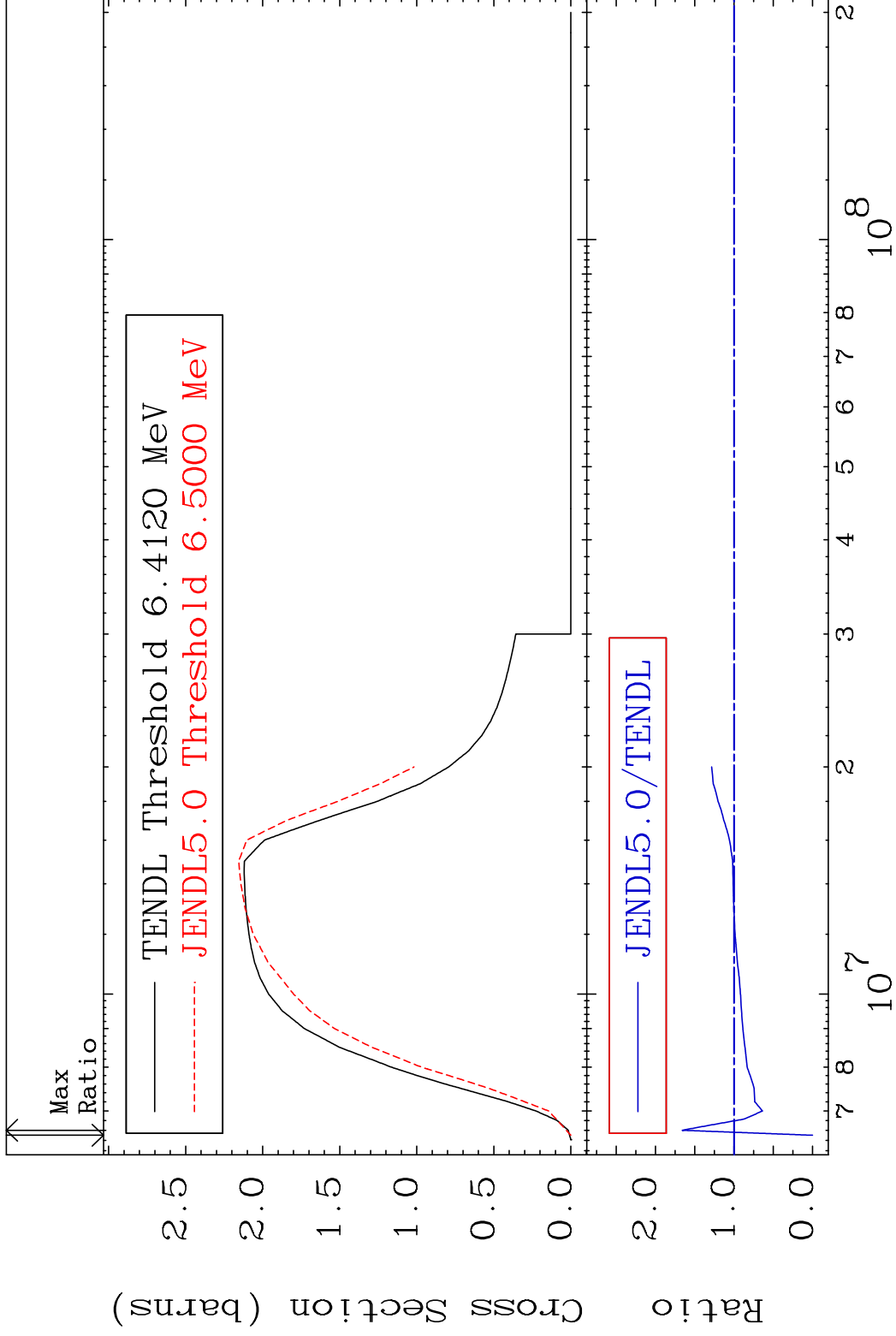


MAT 7234

(n,2n)

72-Hf-177

Cross Section -100.0 To 66.10 %



4

Incident Energy (eV)

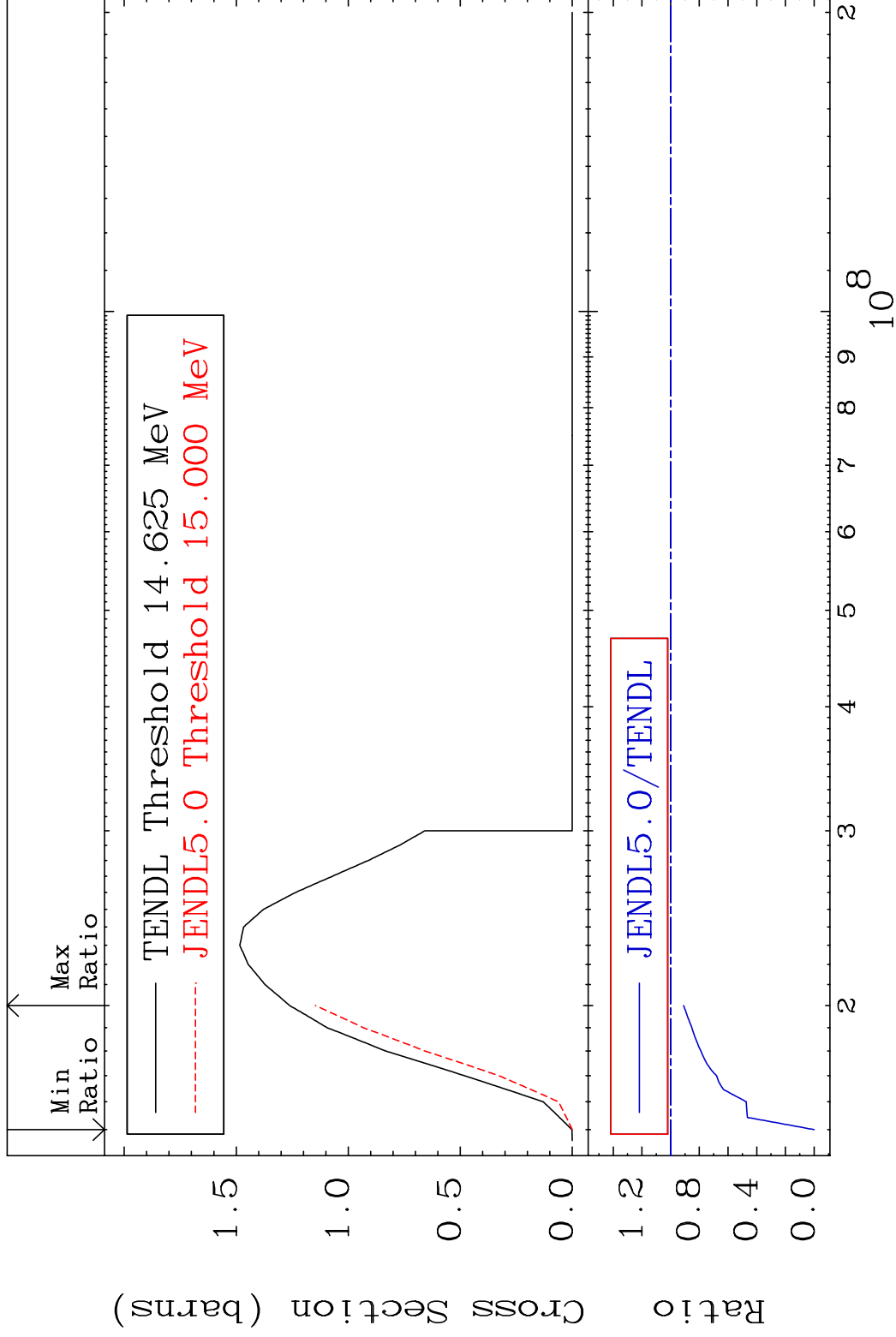
72-Hf-177

MAT 7234

(n,3n)

72-Hf-177

Cross Section -100.0 To -9.080%



5

Incident Energy (eV)

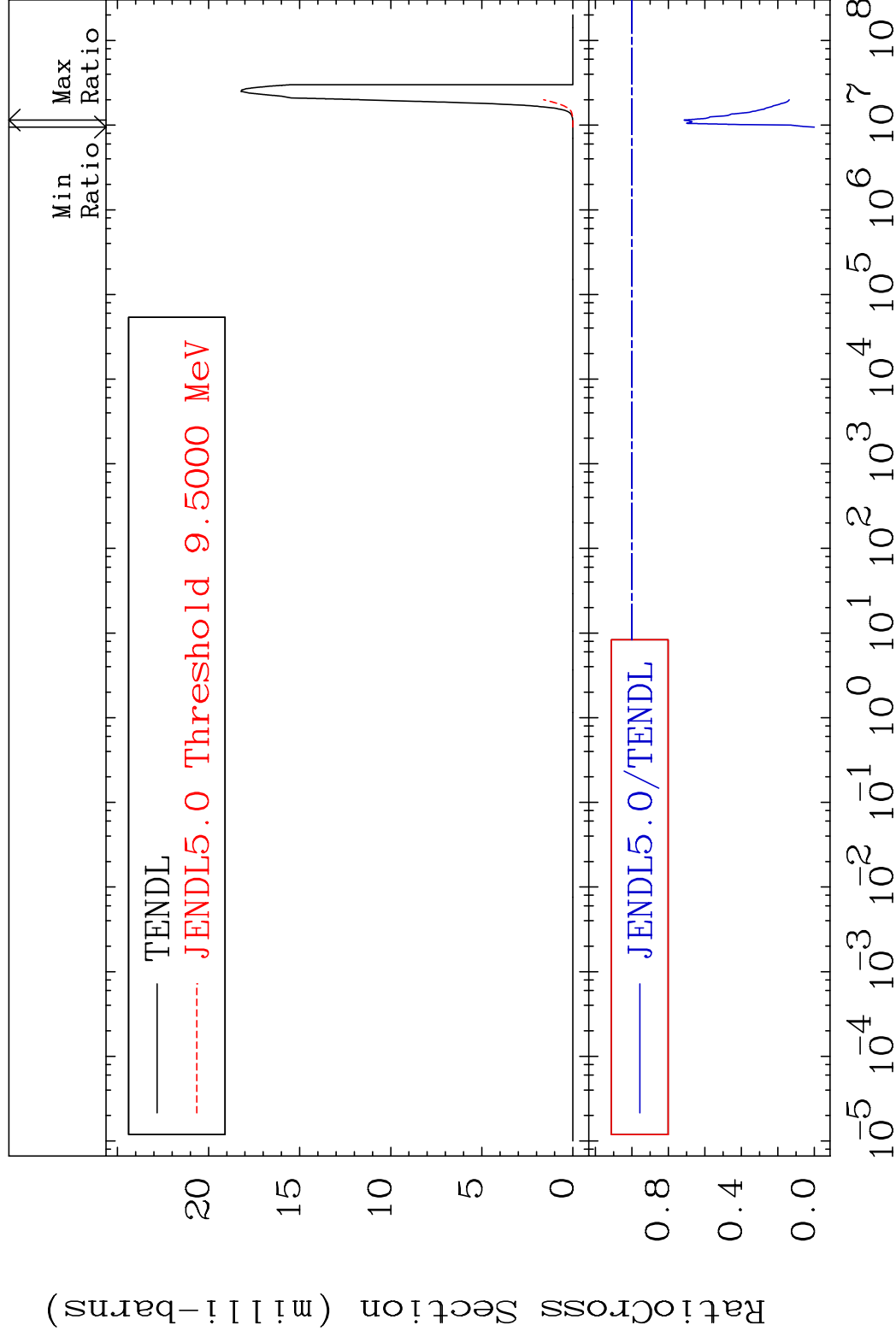
72-Hf-177

MAT 7234

(n, n')  $\alpha$

72-Hf-177

Cross Section -100.0 To -28.59%



6

Incident Energy (eV)

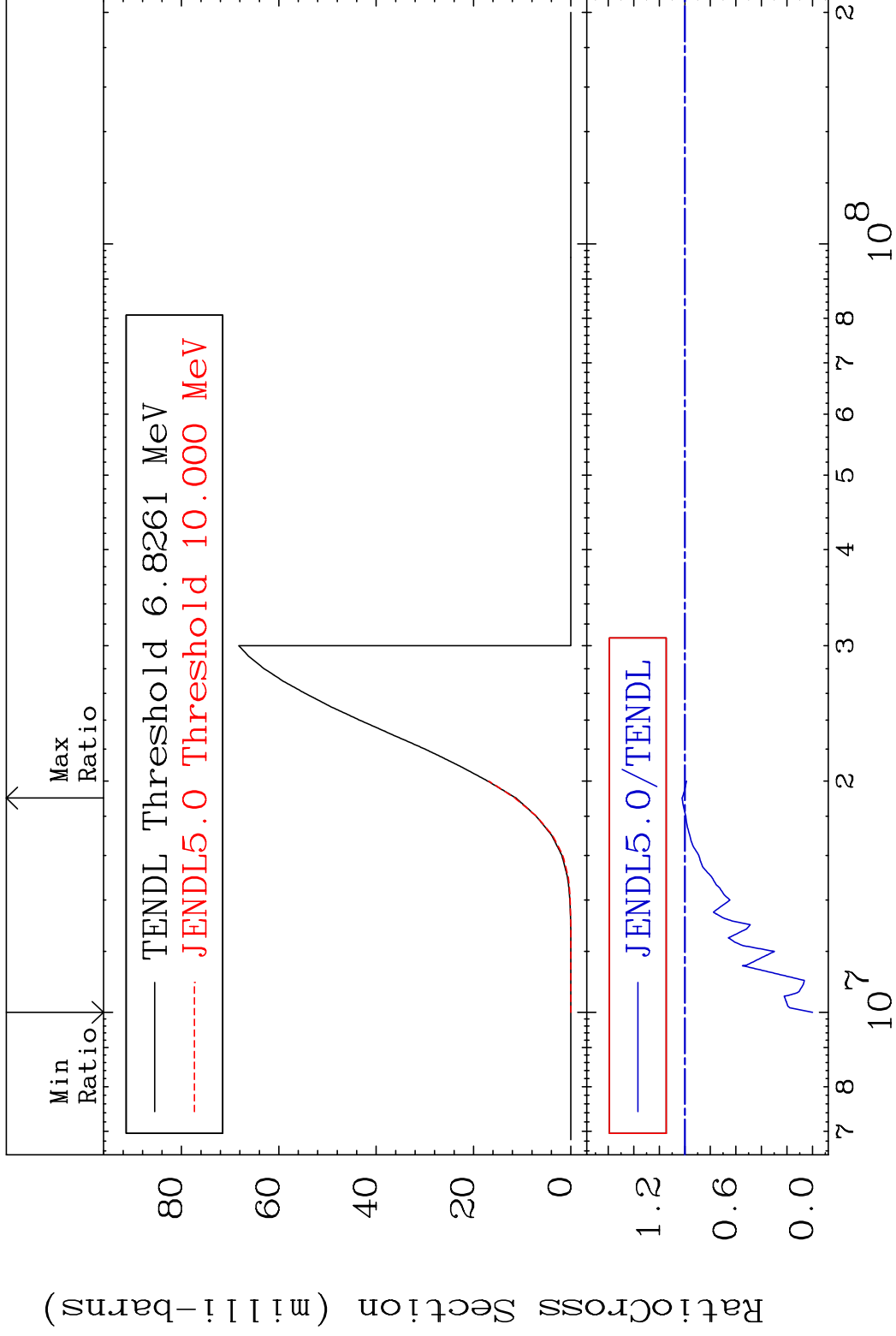
72-Hf-177

MAT 7234

(n, n') p

72-Hf-177

Cross Section -100.0 To 2.114 %



7

Incident Energy (eV)

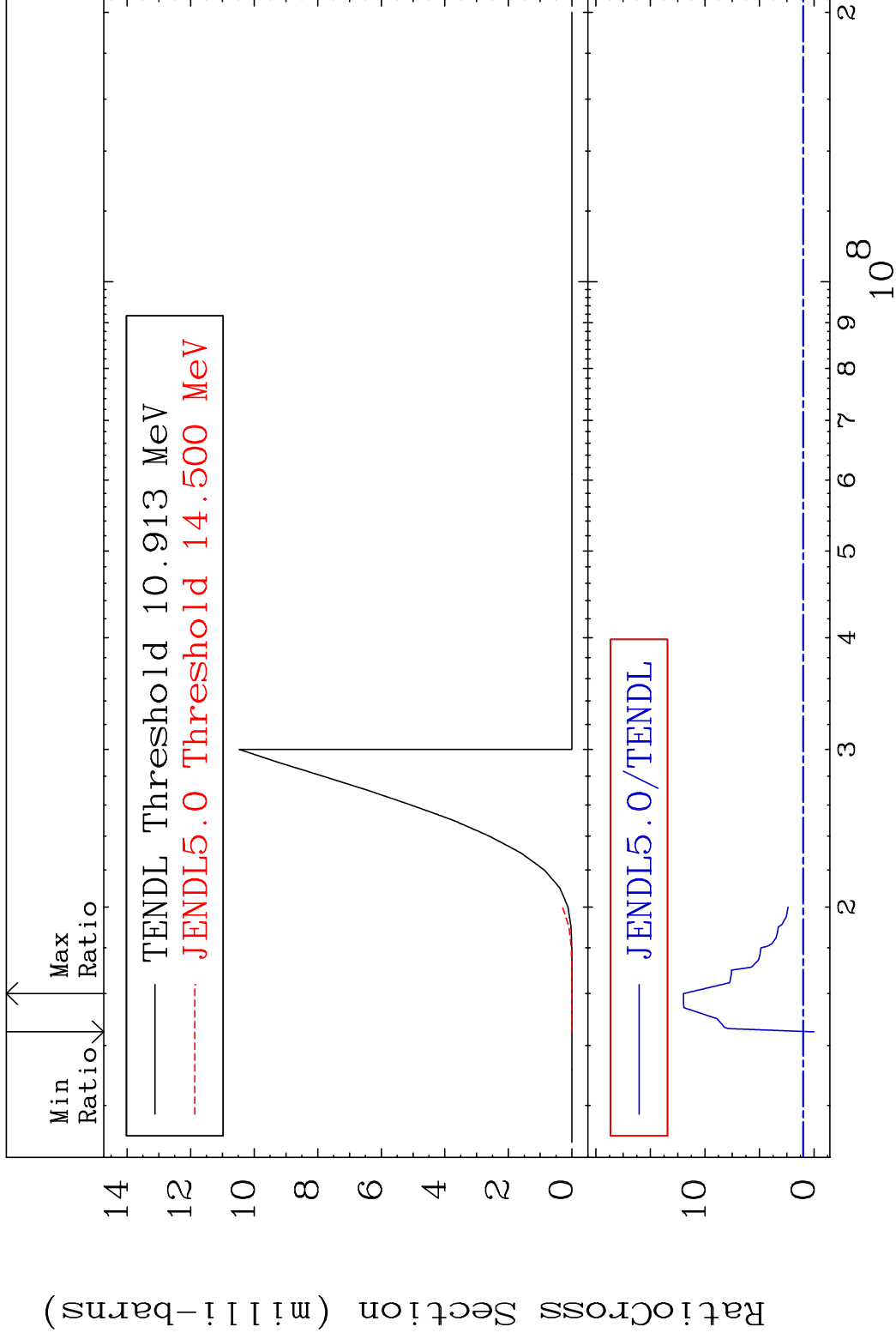
72-Hf-177

MAT 7234

(n, n') d

72-Hf-177

Cross Section -100.0 To 1097. %

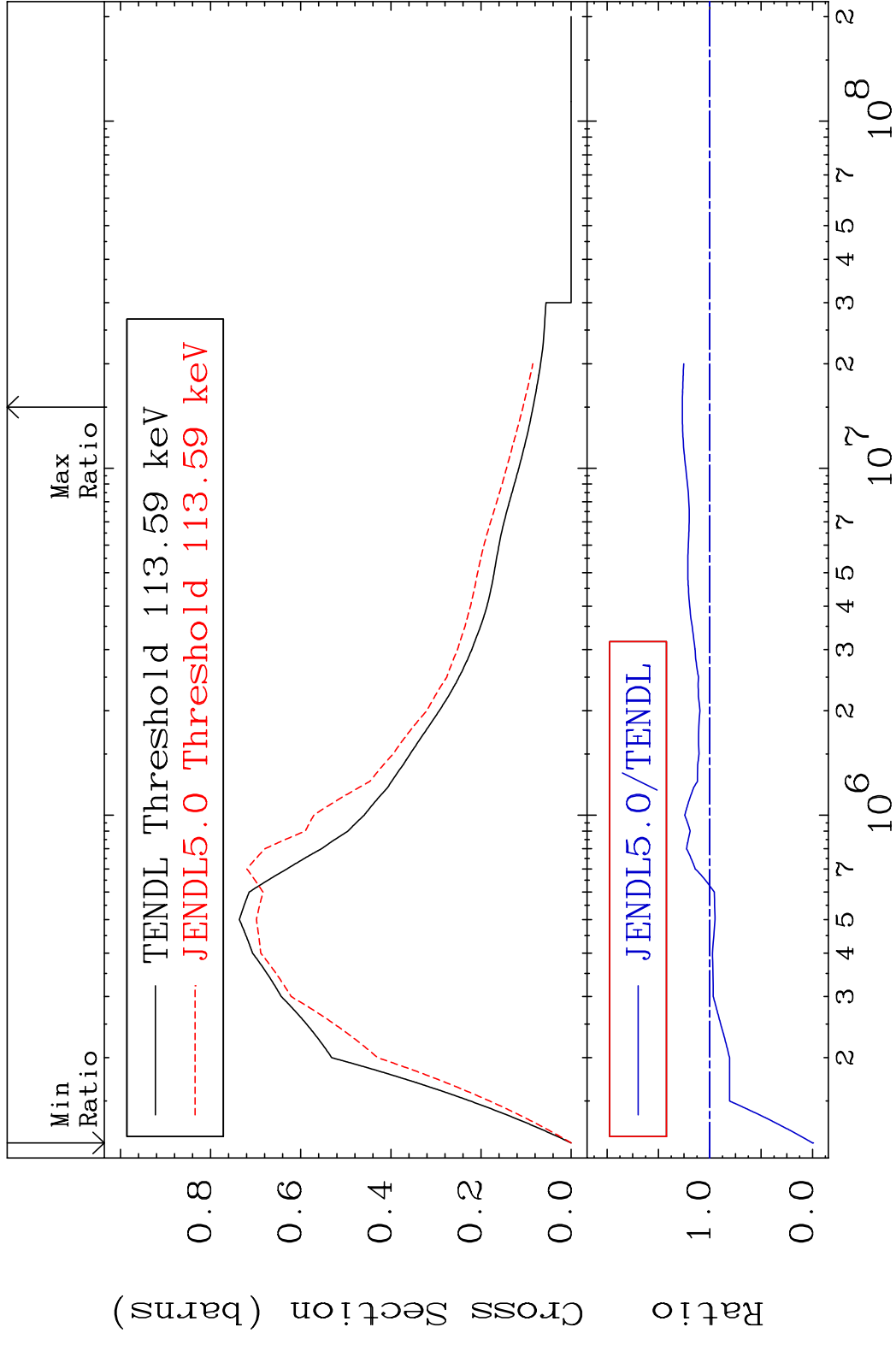


8

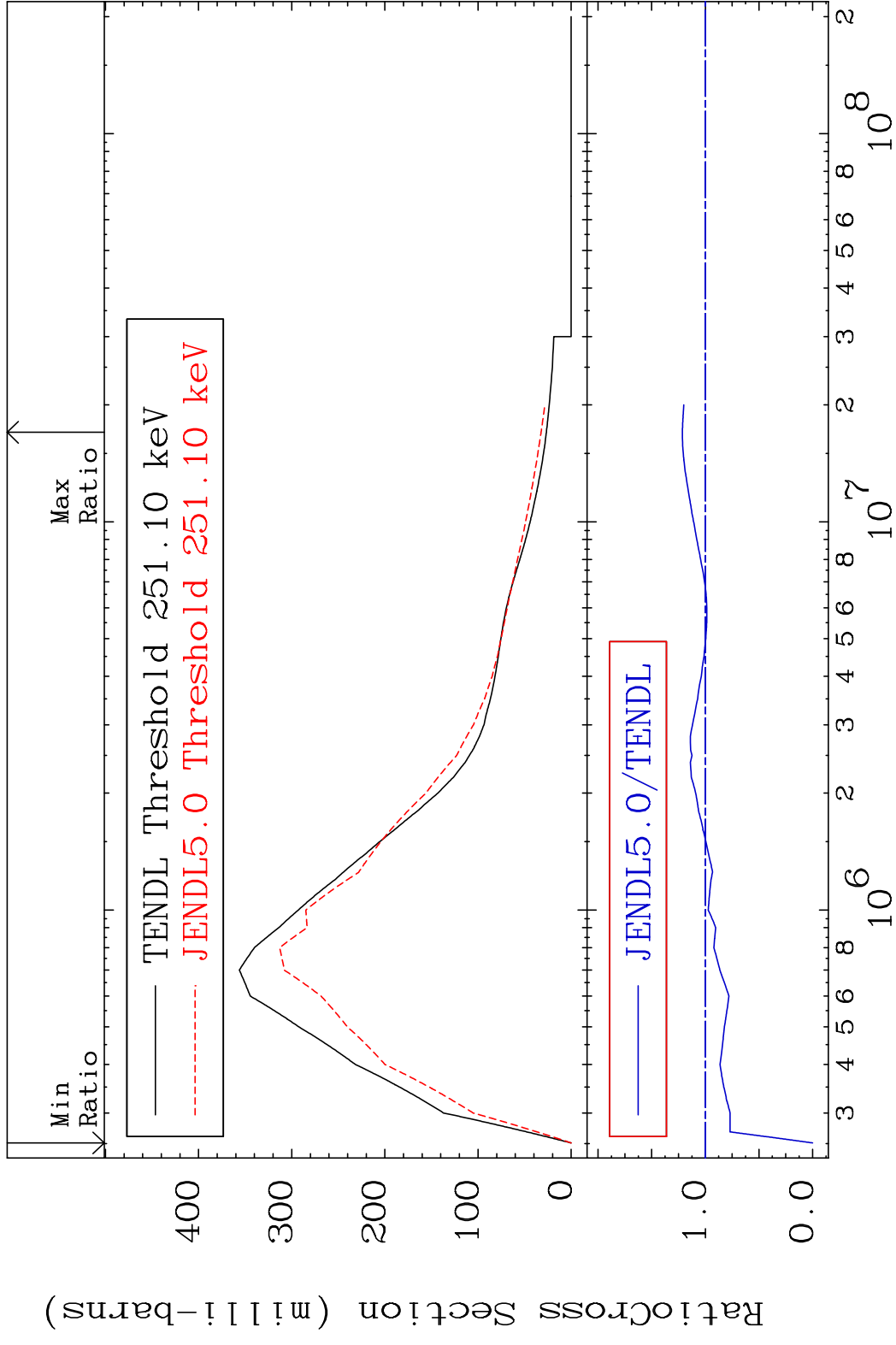
Incident Energy (eV)

72-Hf-177

MAT 7234 MT= 51 (n, n') Level 72-Hf-177  
 Cross Section -100.0 To 26.70 %

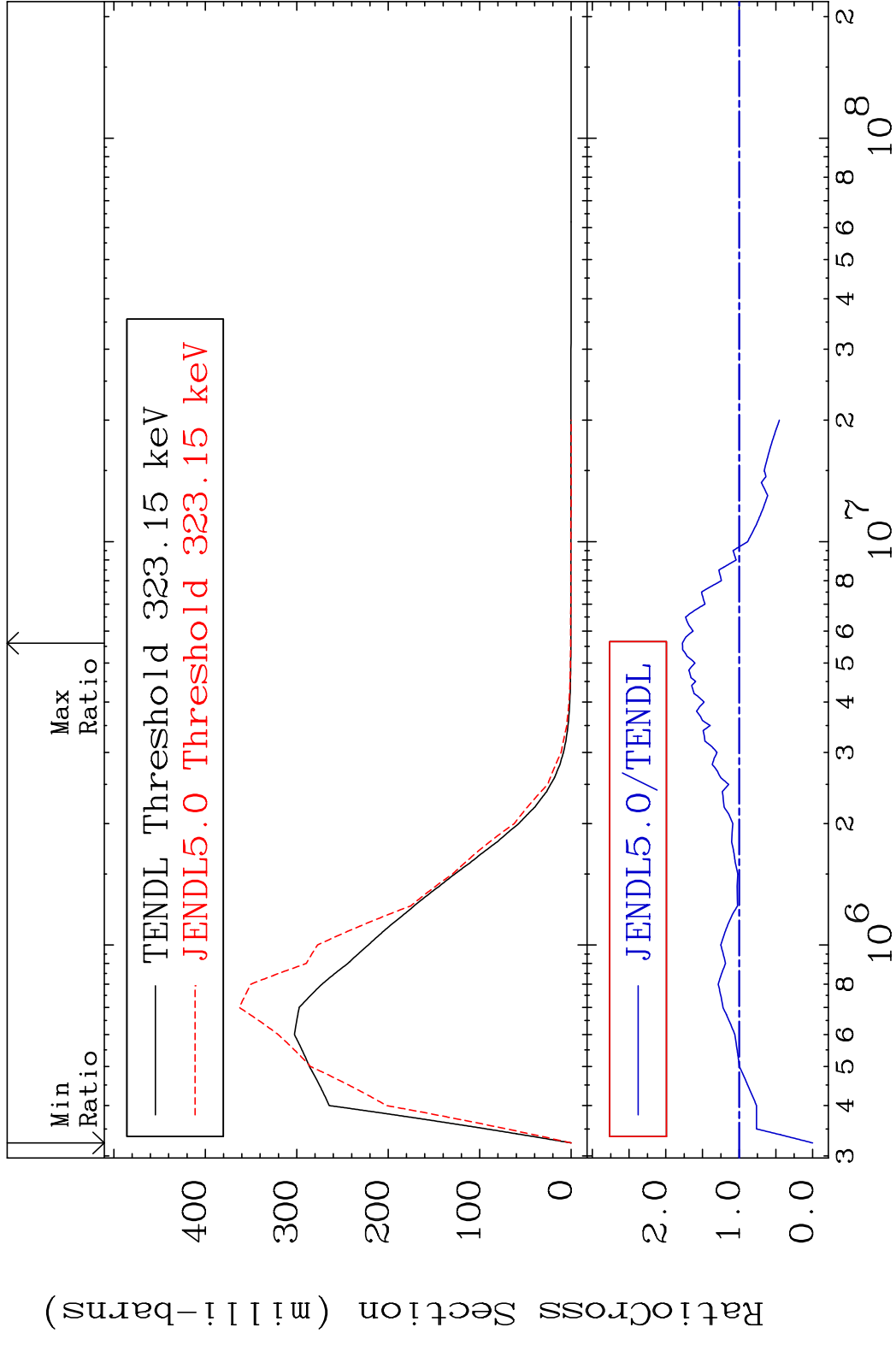


MAT 7234 MT= 52 (n, n') Level 72-Hf-177  
 Cross Section -100.0 To 21.43 %

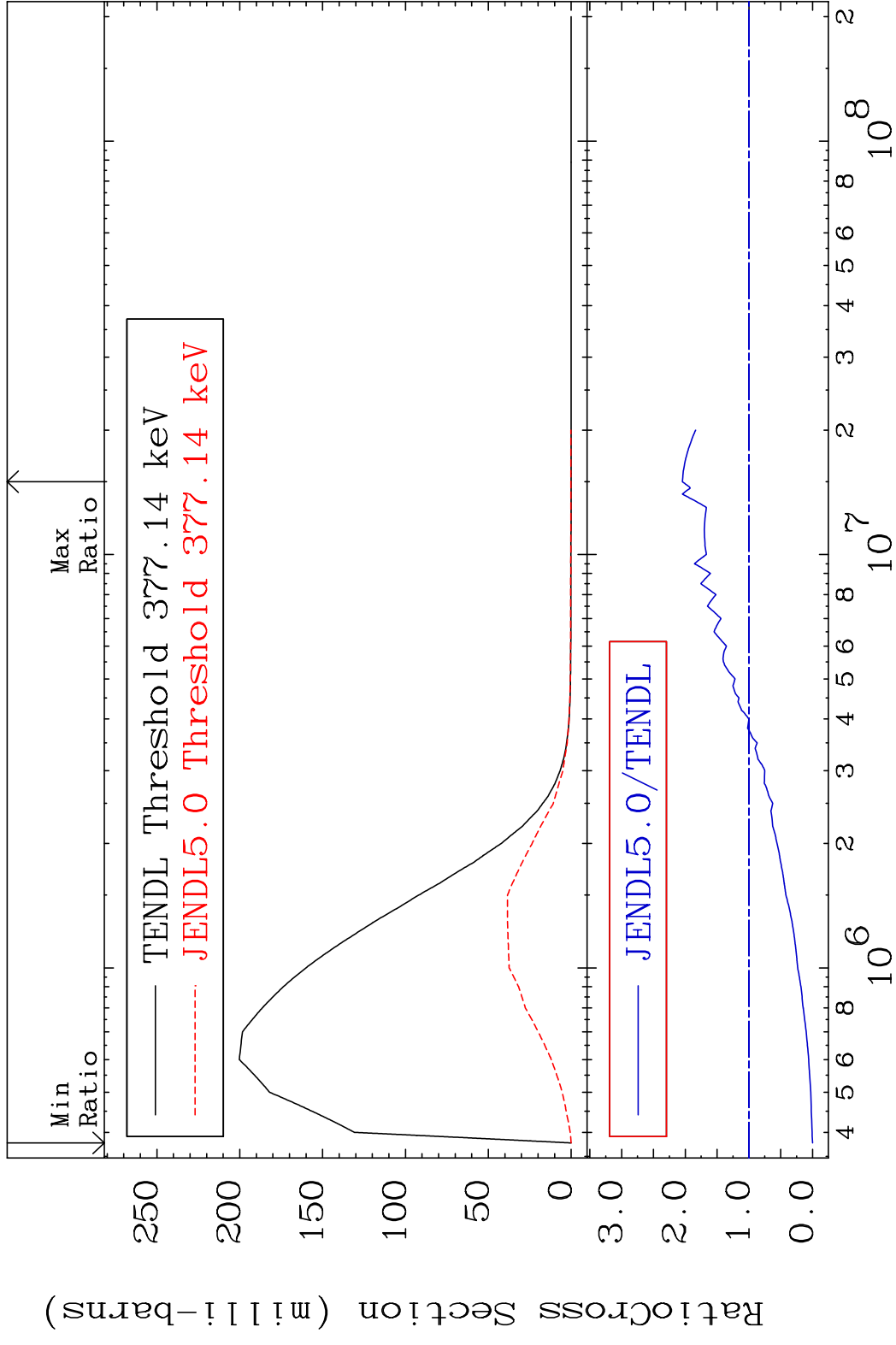


10 Incident Energy (eV) 72-Hf-177

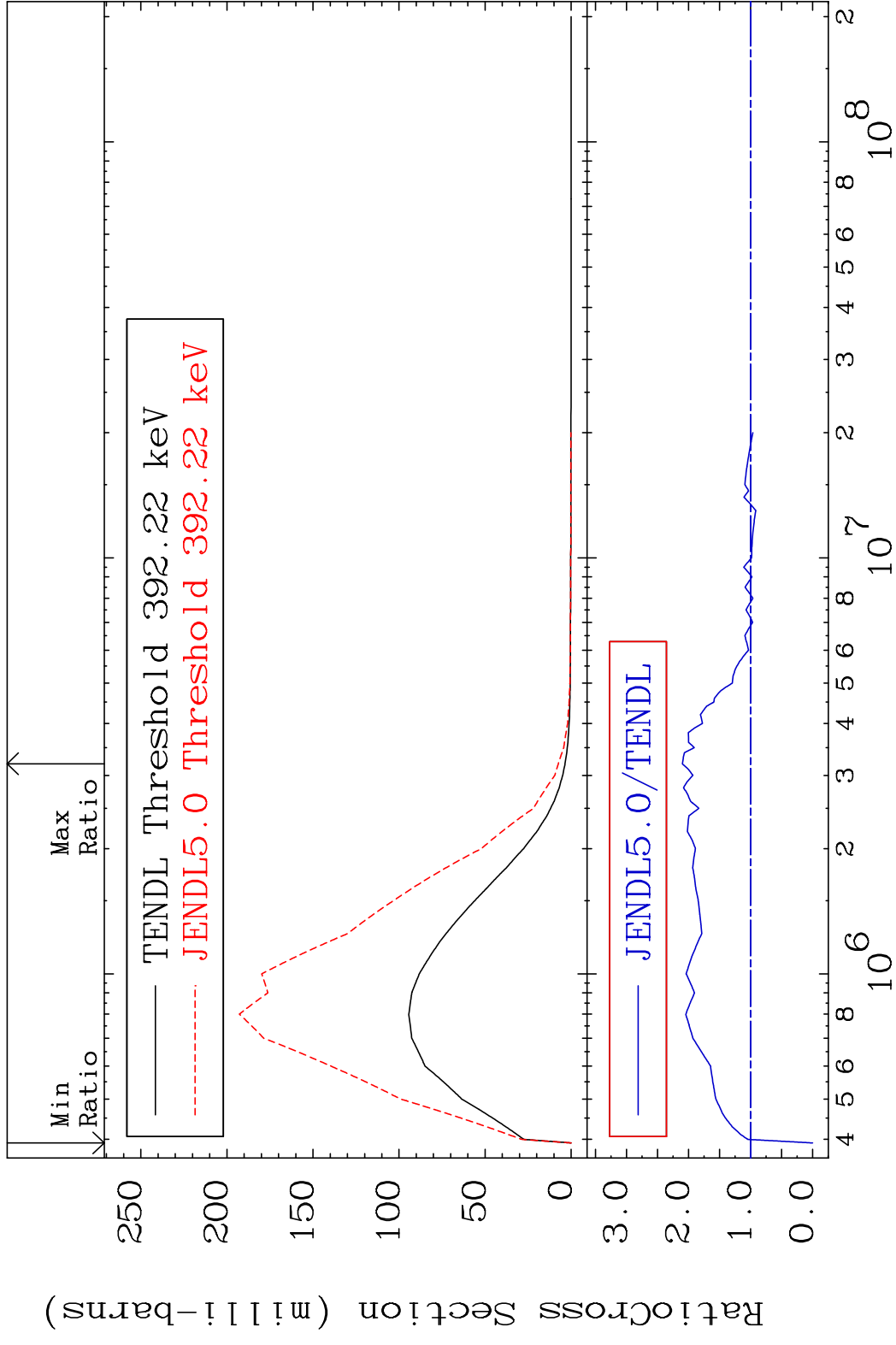
MAT 7234 MT= 53 (n,n') Level 72-Hf-177  
 Cross Section -100.0 To 77.42 %



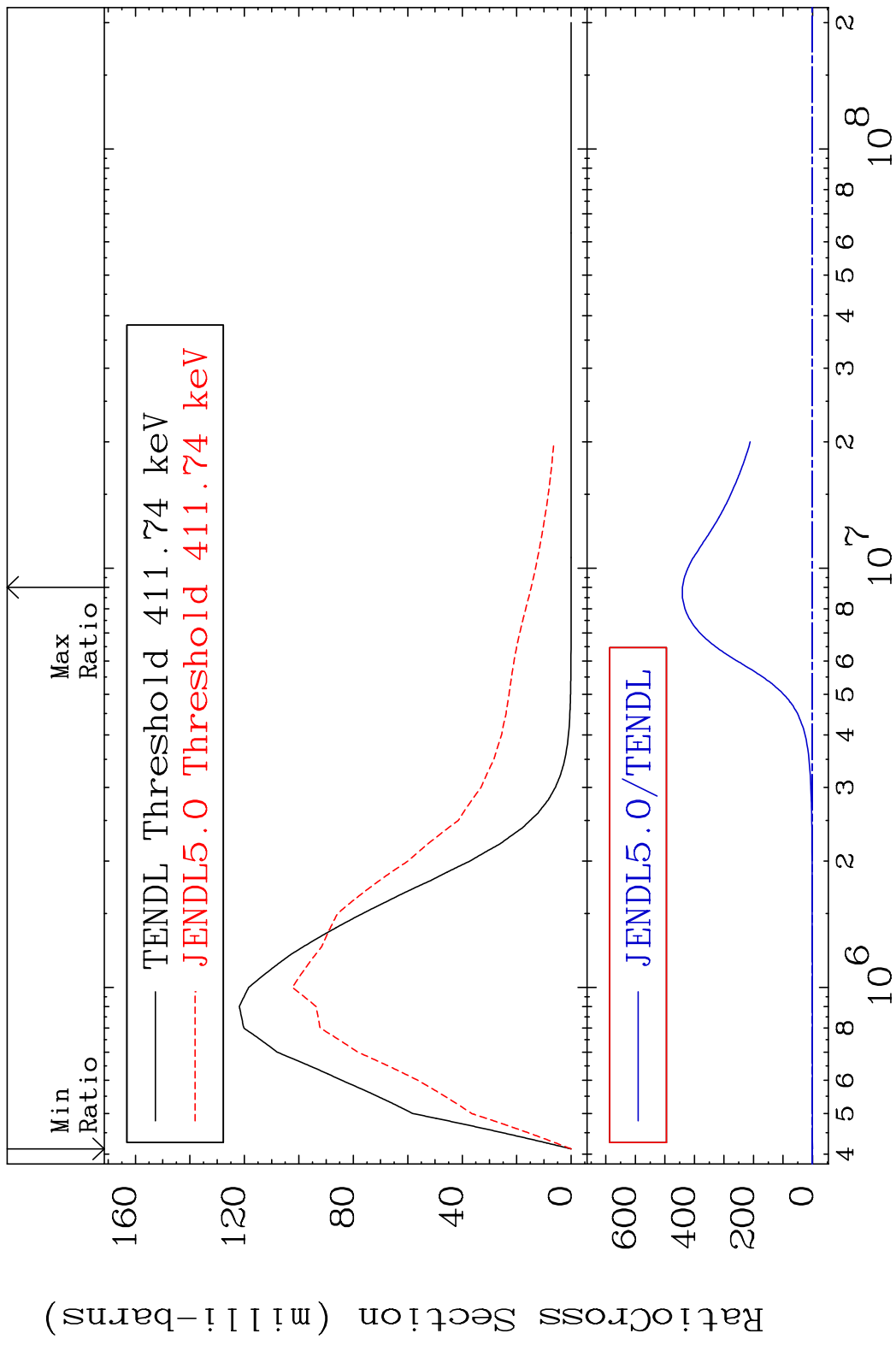
MAT 7234 MT= 54 (n,n') Level 72-Hf-177  
 Cross Section -100.0 To 104.6 %



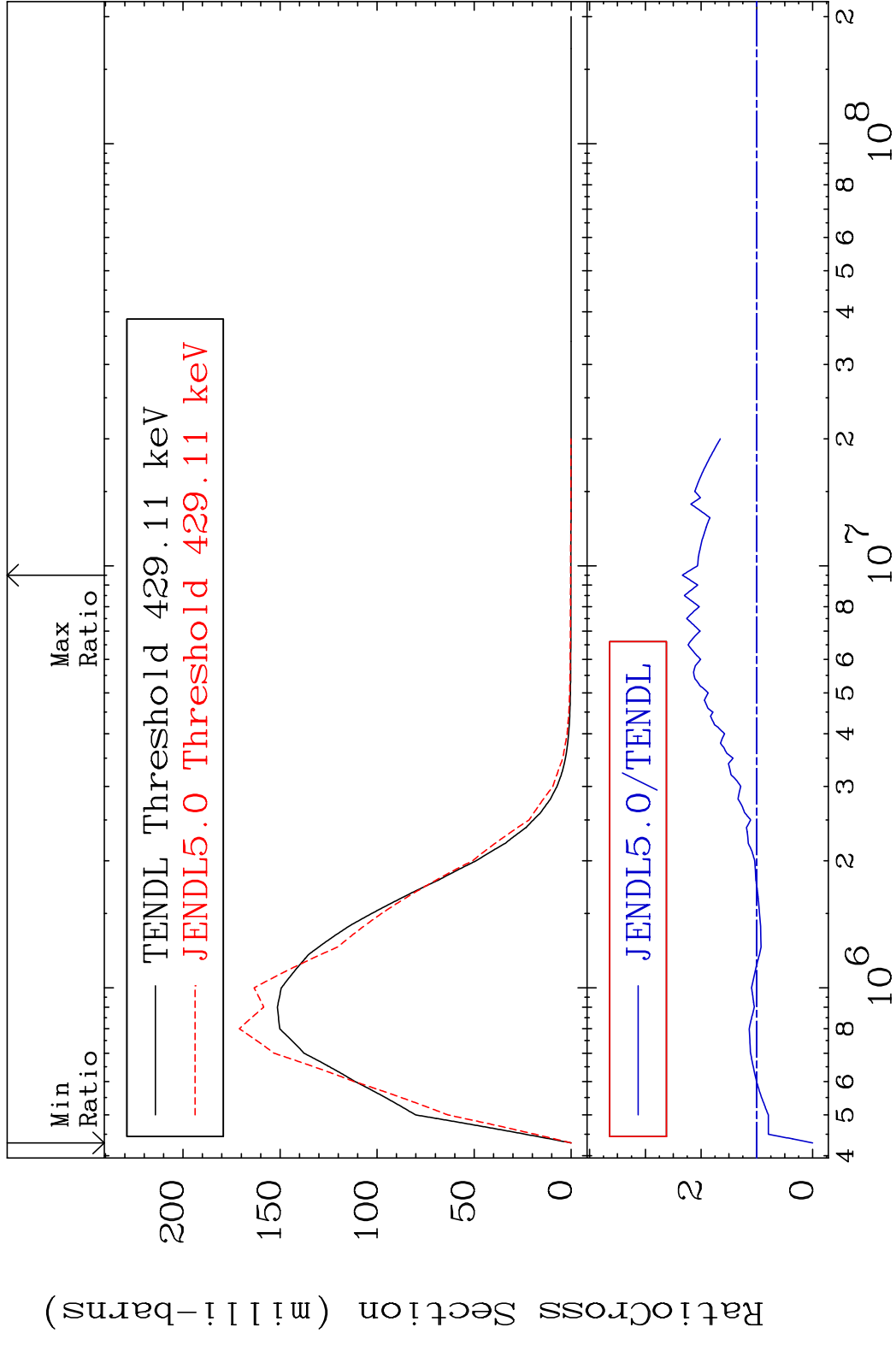
MAT 7234 MT= 55 (n,n') Level 72-Hf-177  
 Cross Section -100.0 To 109.9 %



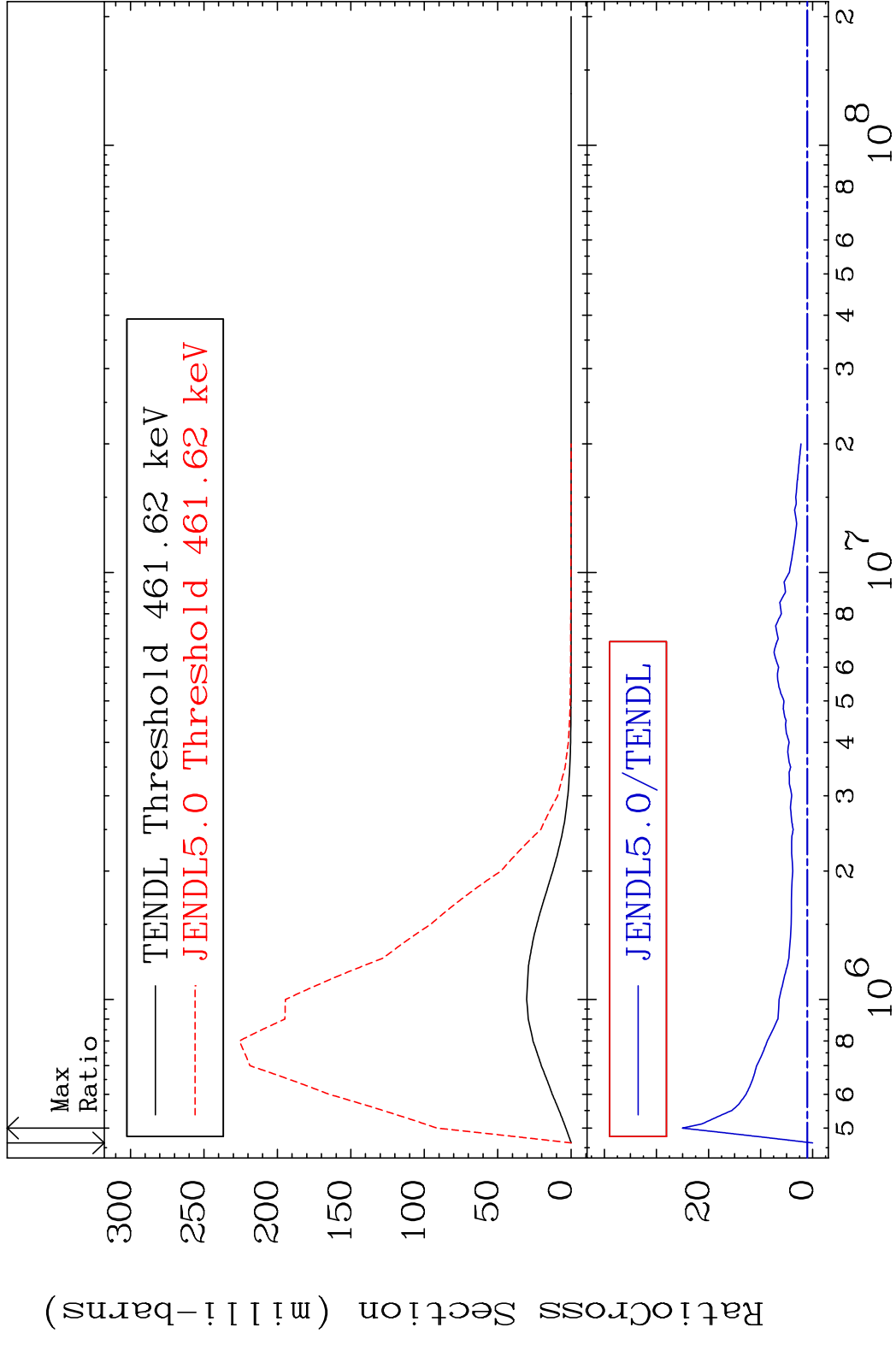
MAT 7234 MT= 56 (n, n') Level 72-Hf-177  
 Cross Section -100.0 To 9999. %



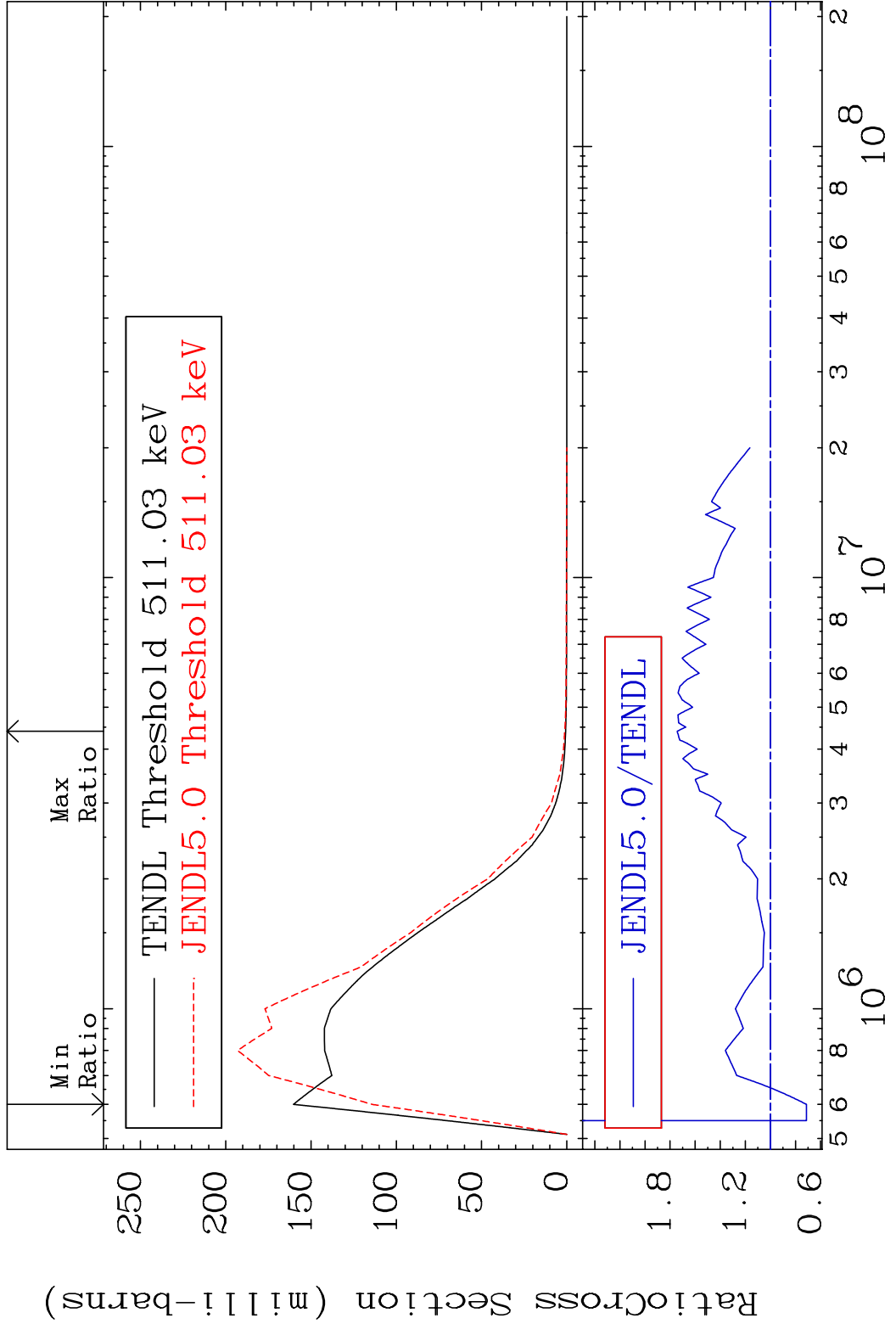
MAT 7234 MT= 57 (n, n') Level 72-Hf-177  
 Cross Section -100.0 To 133.6 %



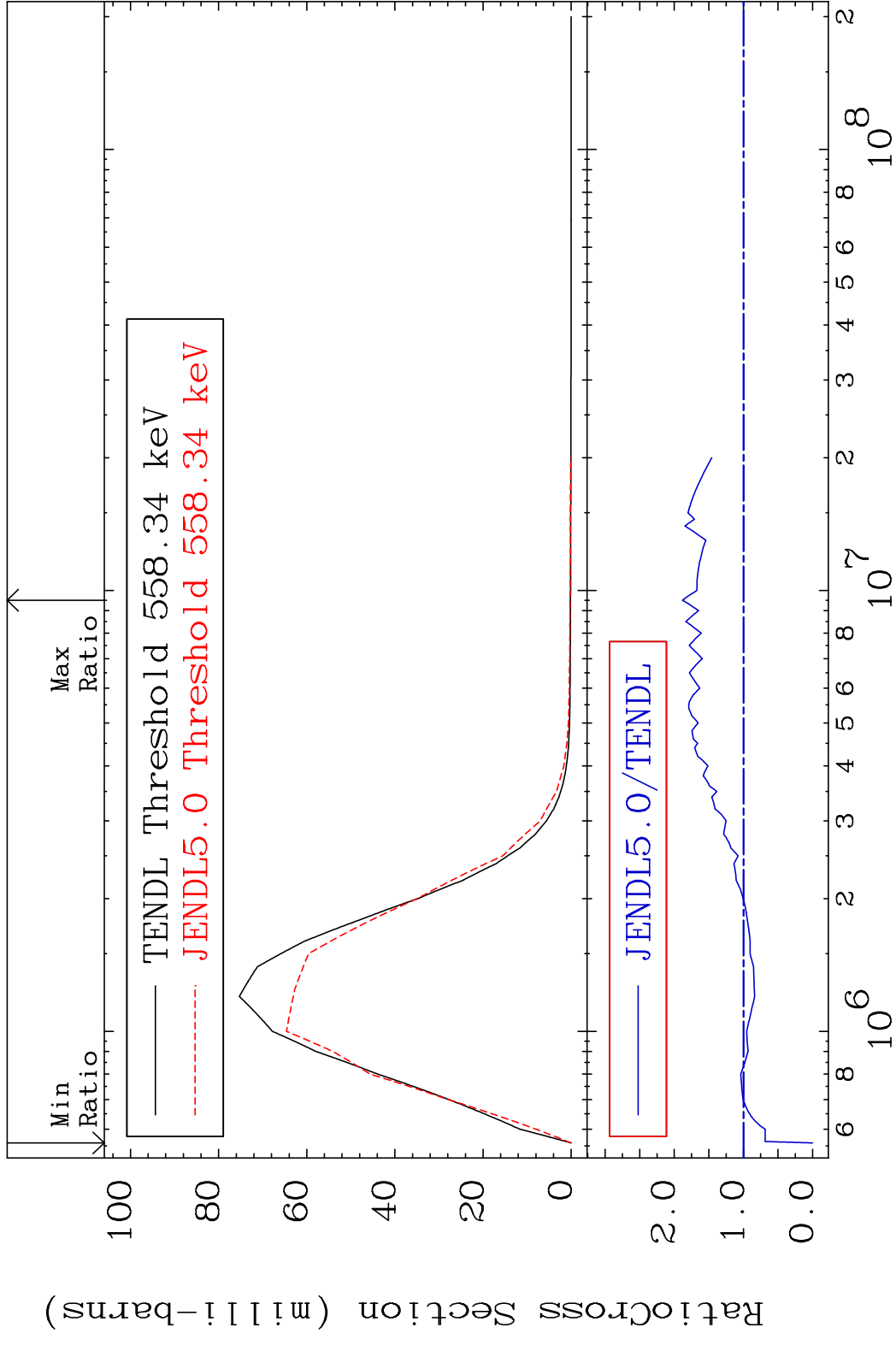
MAT 7234 MT= 58 (n,n') Level 72-Hf-177  
 Cross Section -100.0 To 2403. %



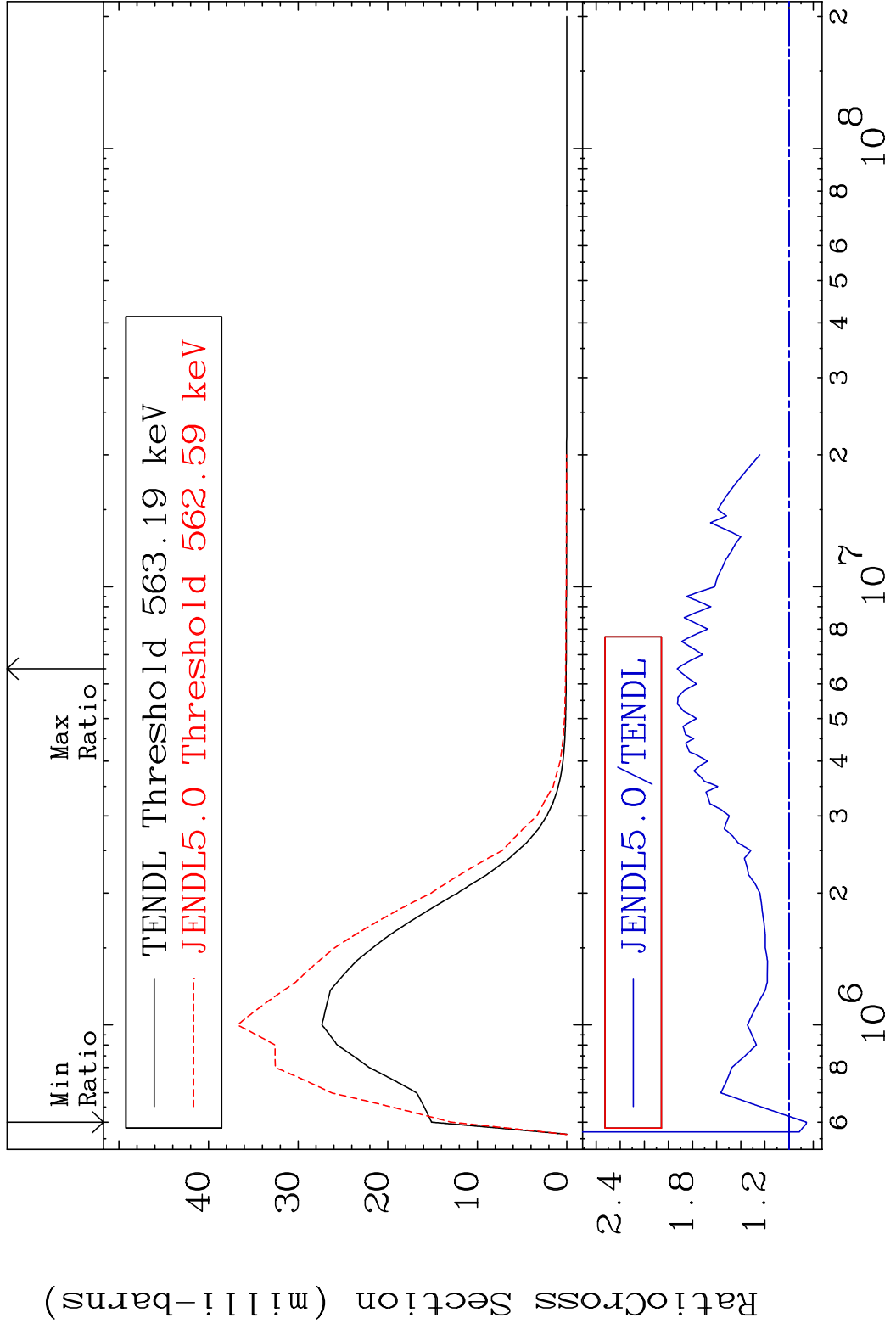
MAT 7234 MT= 59 (n,n') Level 72-Hf-177  
 Cross Section -28.70 To 74.33 %



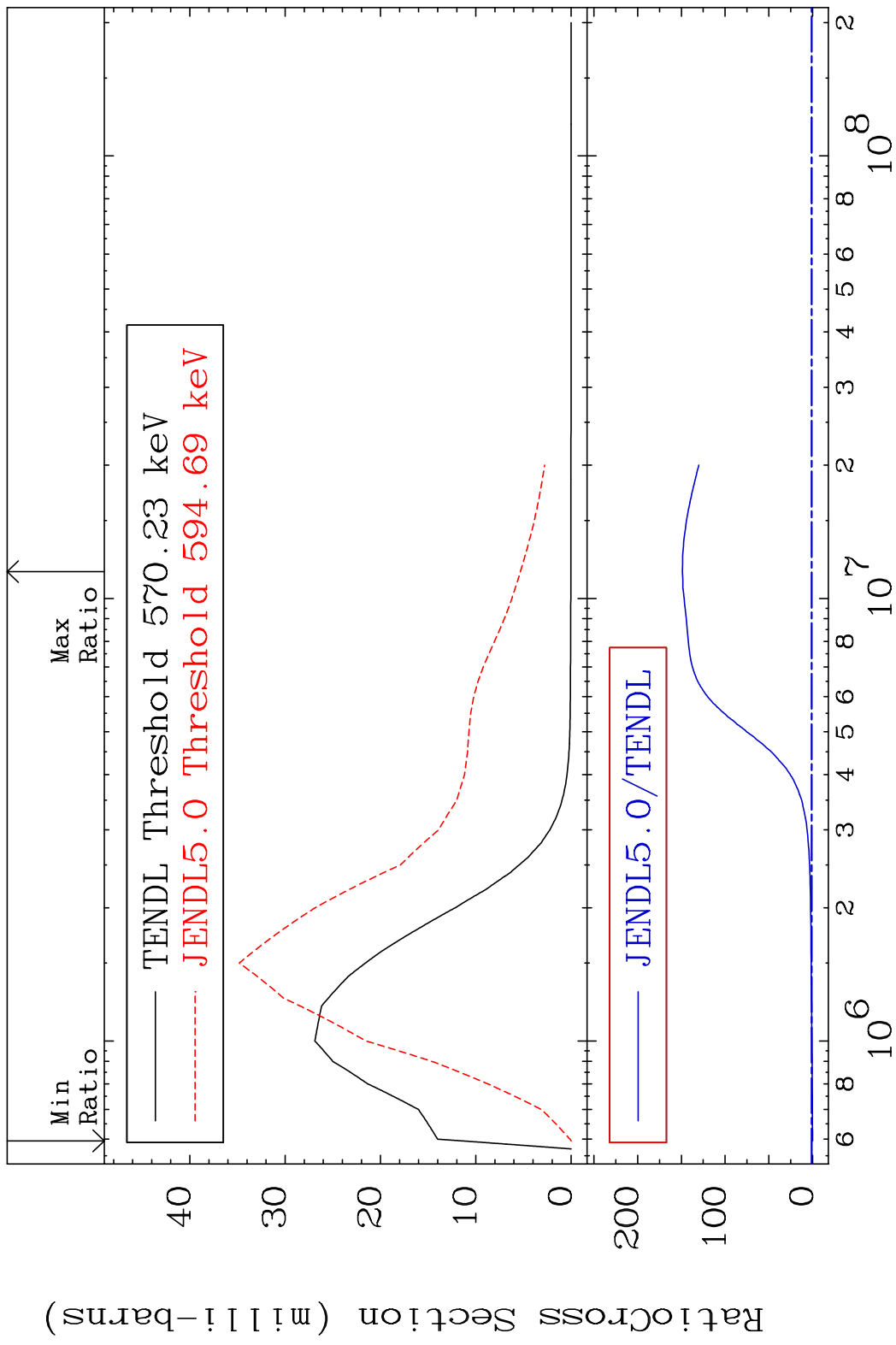
MAT 7234 MT= 60 (n, n') Level 72-Hf-177  
 Cross Section -100.0 To 88.32 %



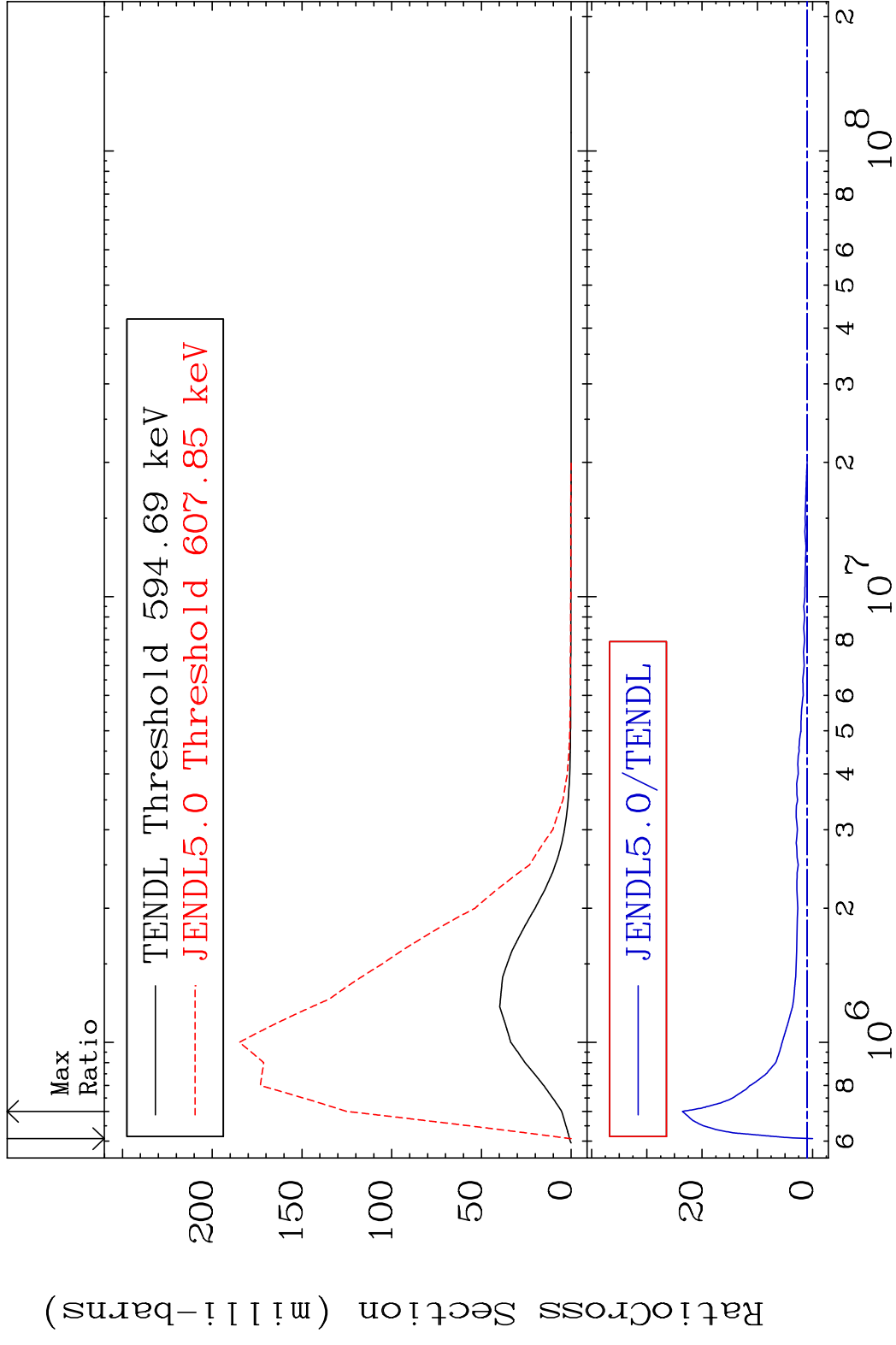
MAT 7234 MT= 61 (n, n') Level 72-Hf-177  
 Cross Section -14.40 To 92.75 %



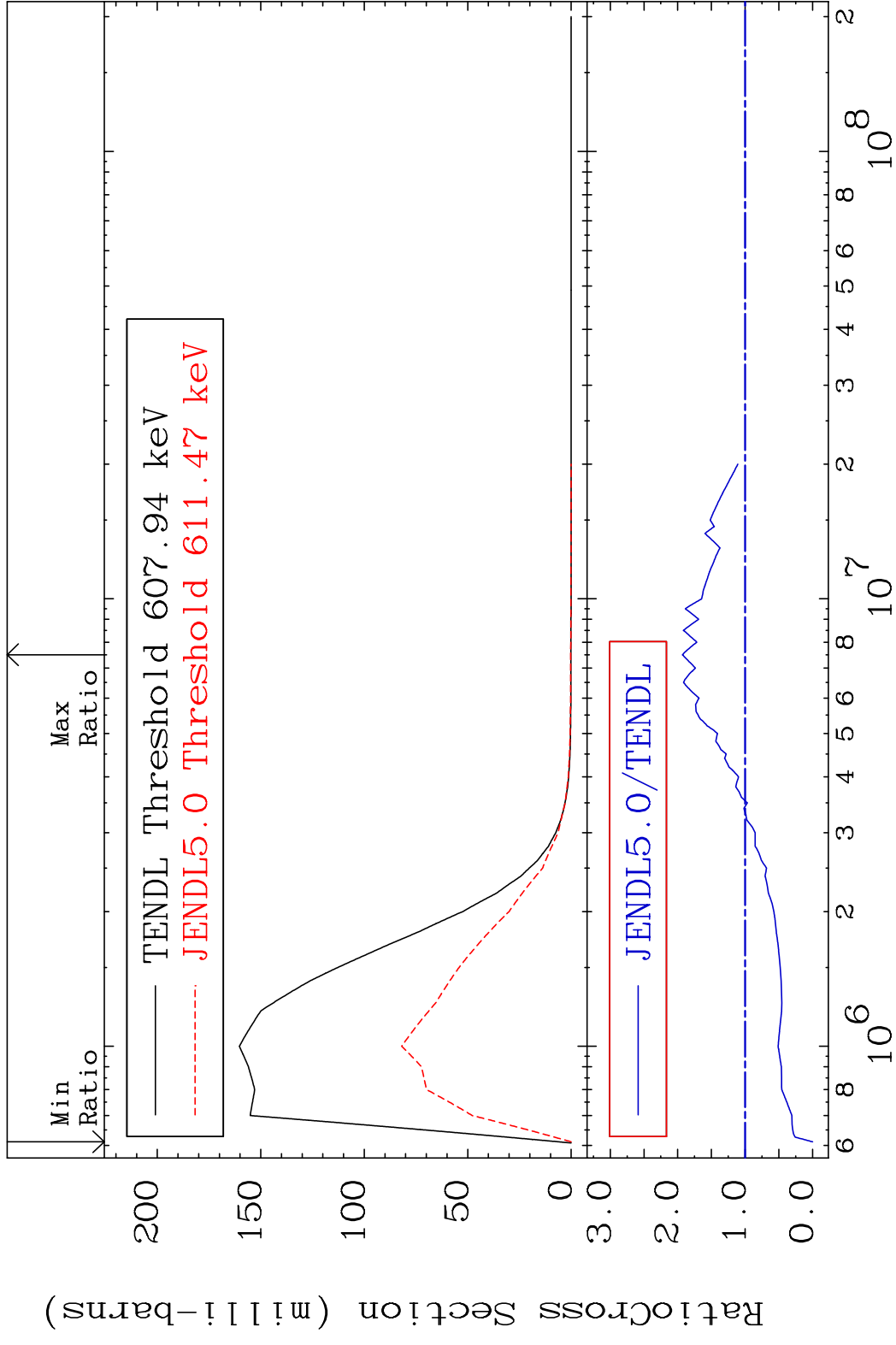
MAT 7234 MT= 62 (n, n') Level 72-Hf-177  
 Cross Section -100.0 To 9999. %



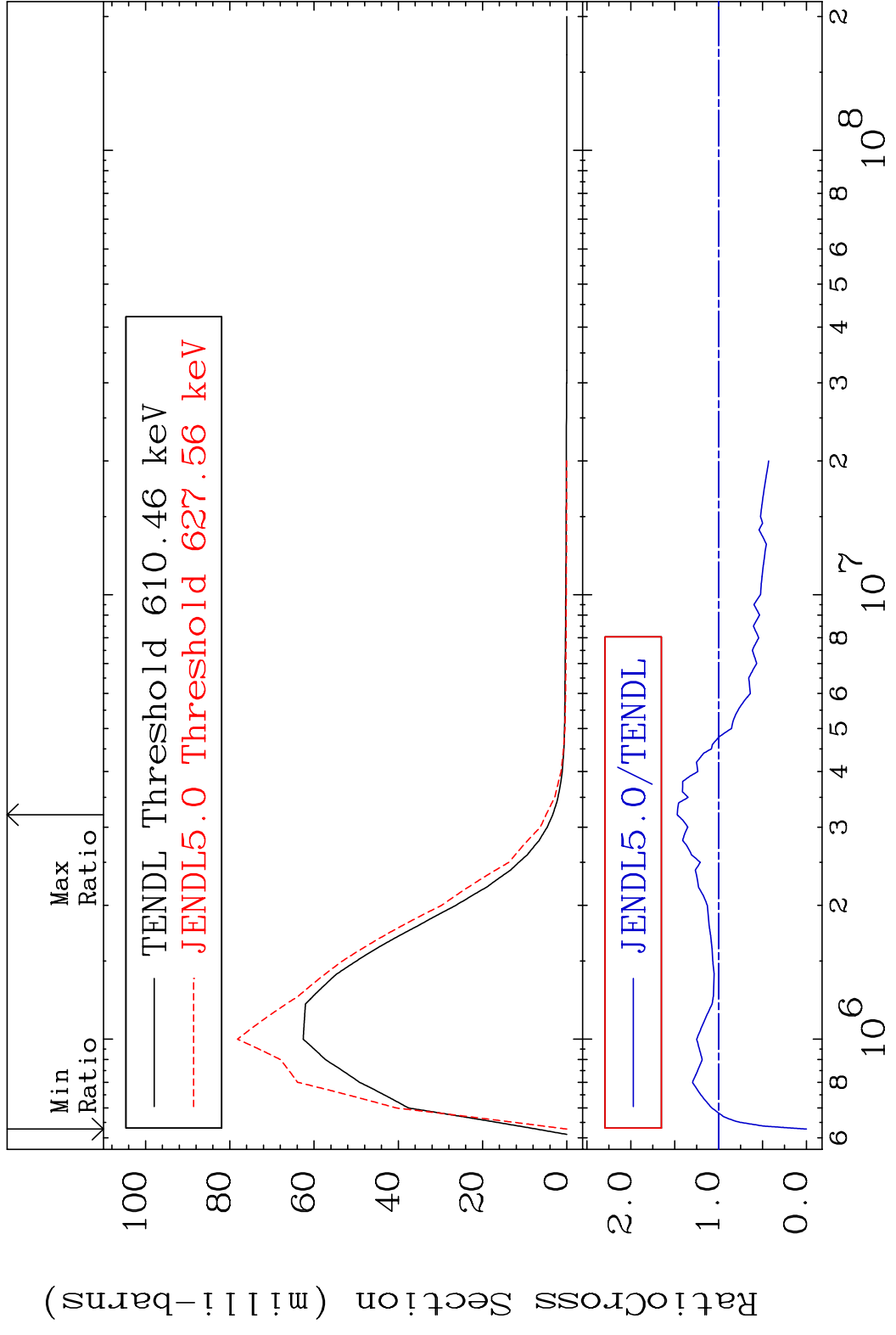
MAT 7234 MT= 63 (n,n') Level 72-Hf-177  
 Cross Section -100.0 To 2257. %



MAT 7234 MT= 64 (n, n') Level 72-Hf-177  
 Cross Section -100.0 To 93.09 %



MAT 7234 MT= 65 (n,n') Level 72-Hf-177  
 Cross Section -100.0 To 47.11 %

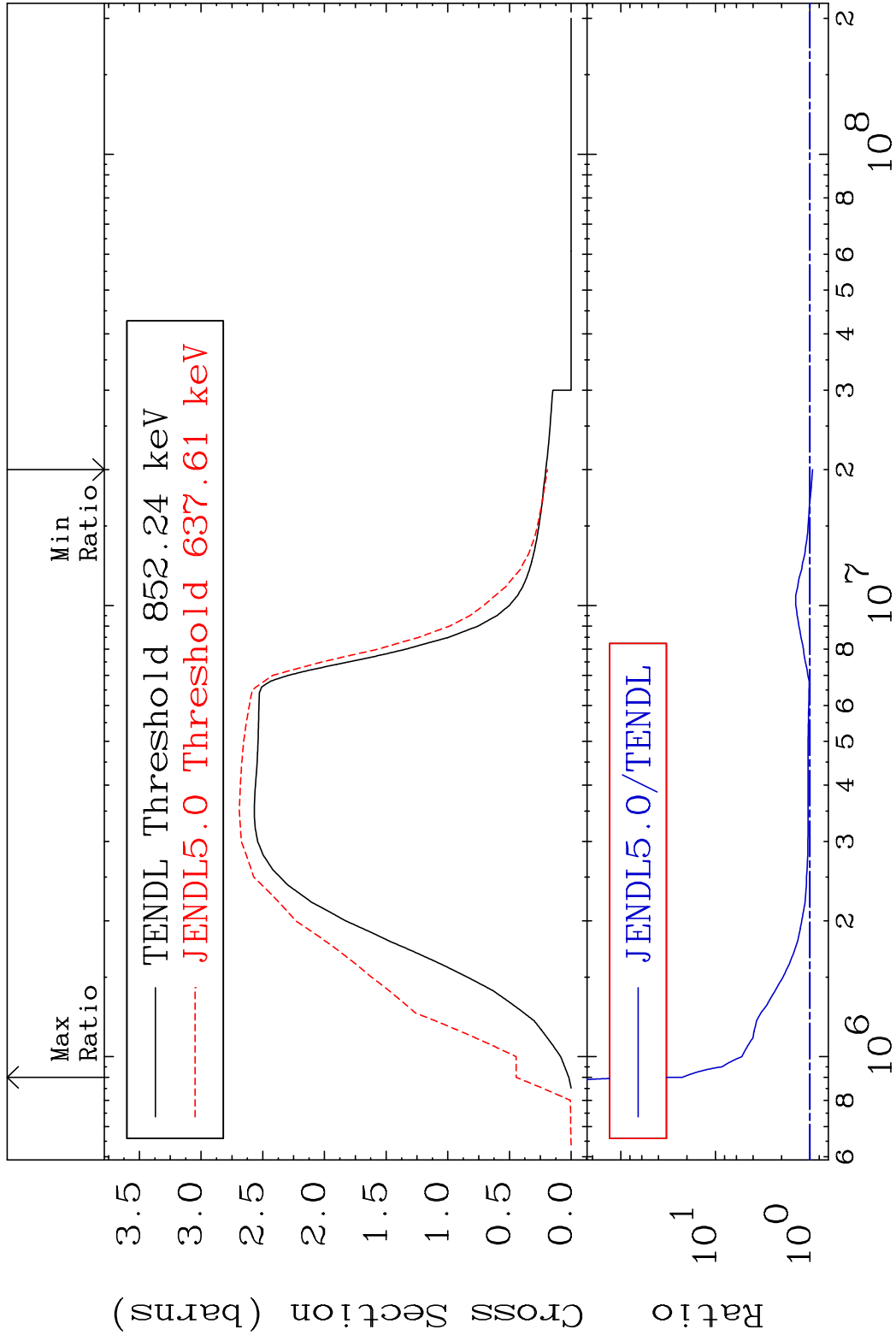


MAT 7234

(n, n') Continuum

72-Hf-177

Cross Section -6.126 To 2138. %



24

Incident Energy (eV)

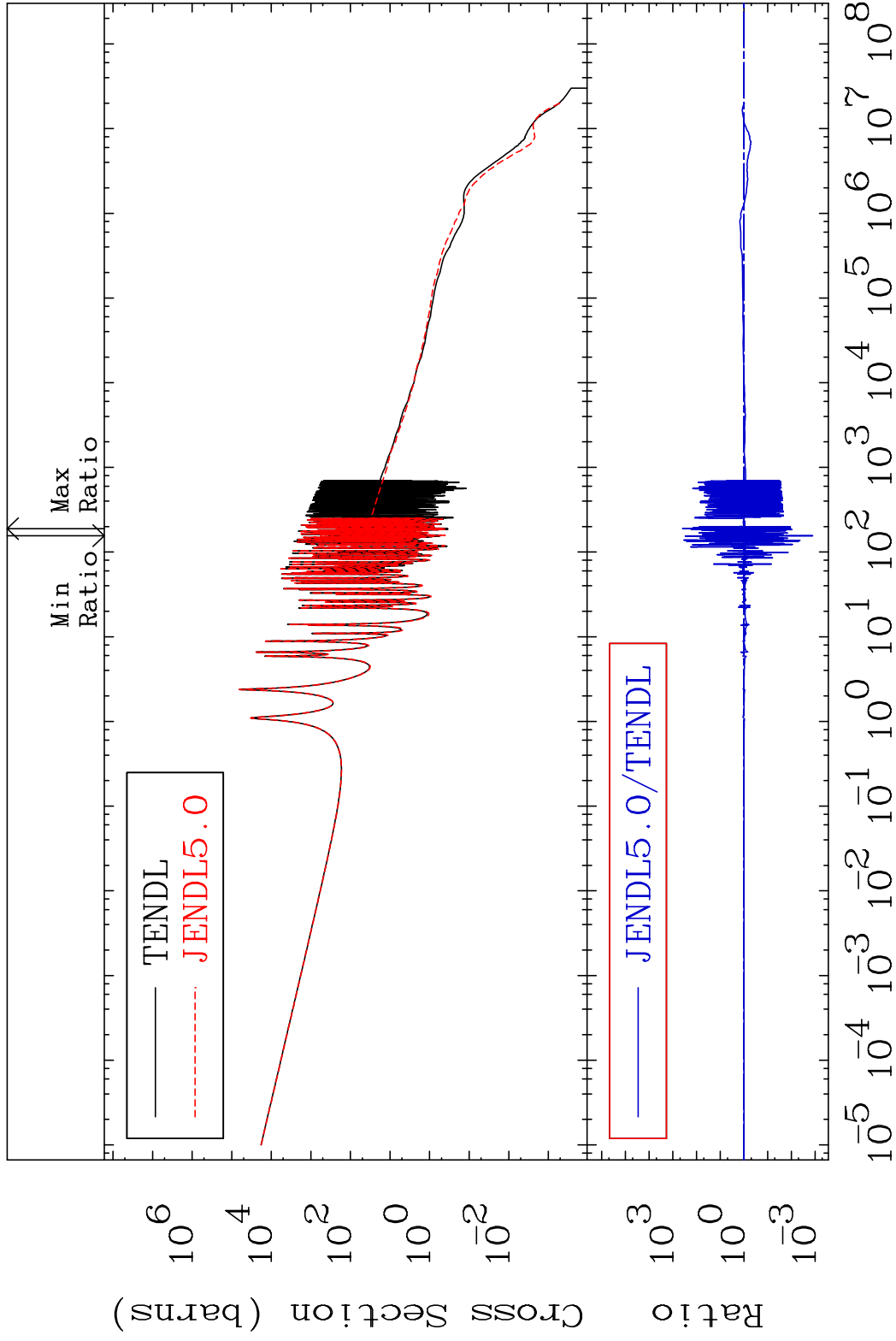
72-Hf-177

MAT 7234

(n,  $\gamma$ )

72-Hf-177

Cross Section -99.87 To 9999. %



25

Incident Energy (eV)

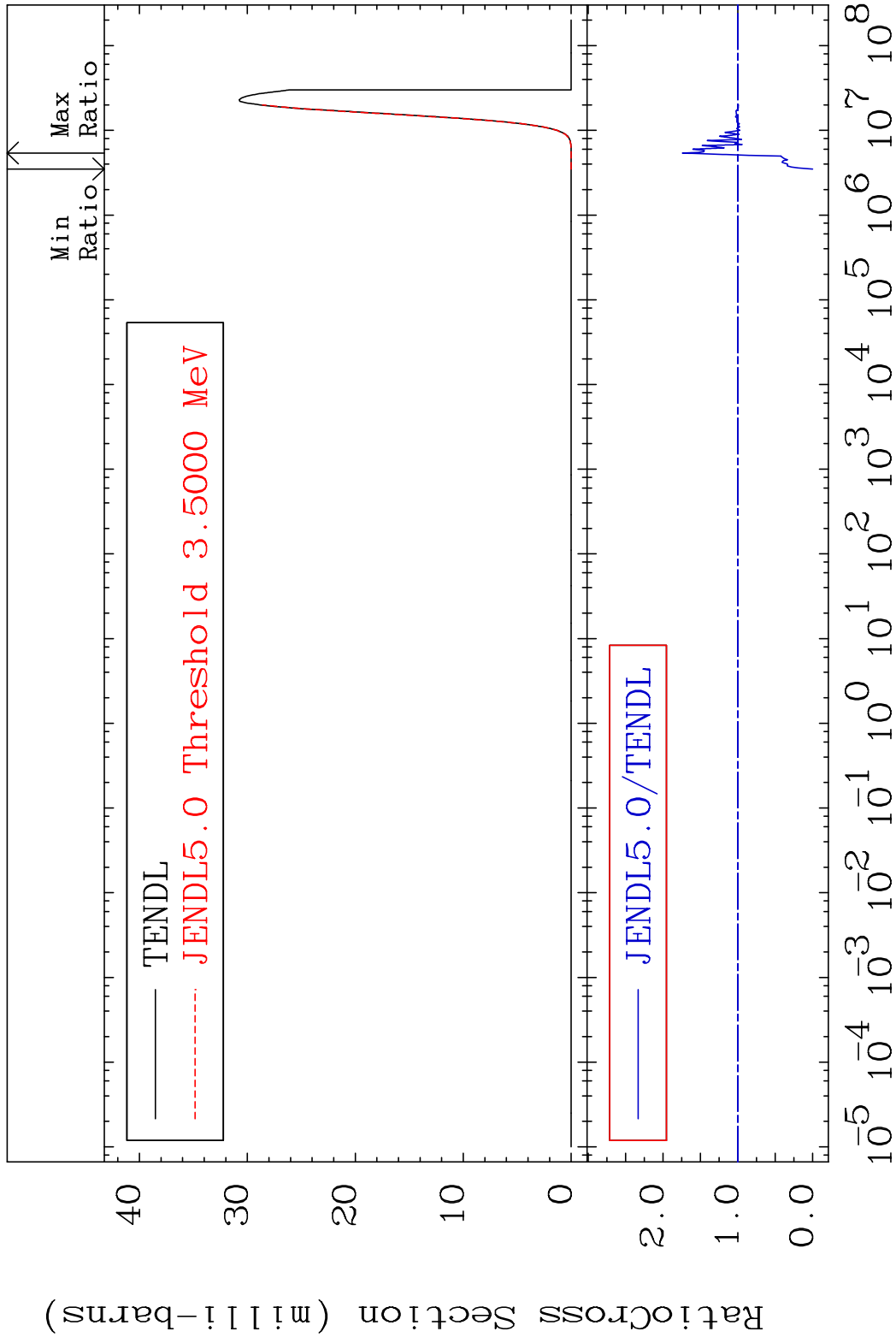
72-Hf-177

MAT 7234

(n, p)

72-Hf-177

Cross Section -100.0 To 74.18 %



26

Incident Energy (eV)

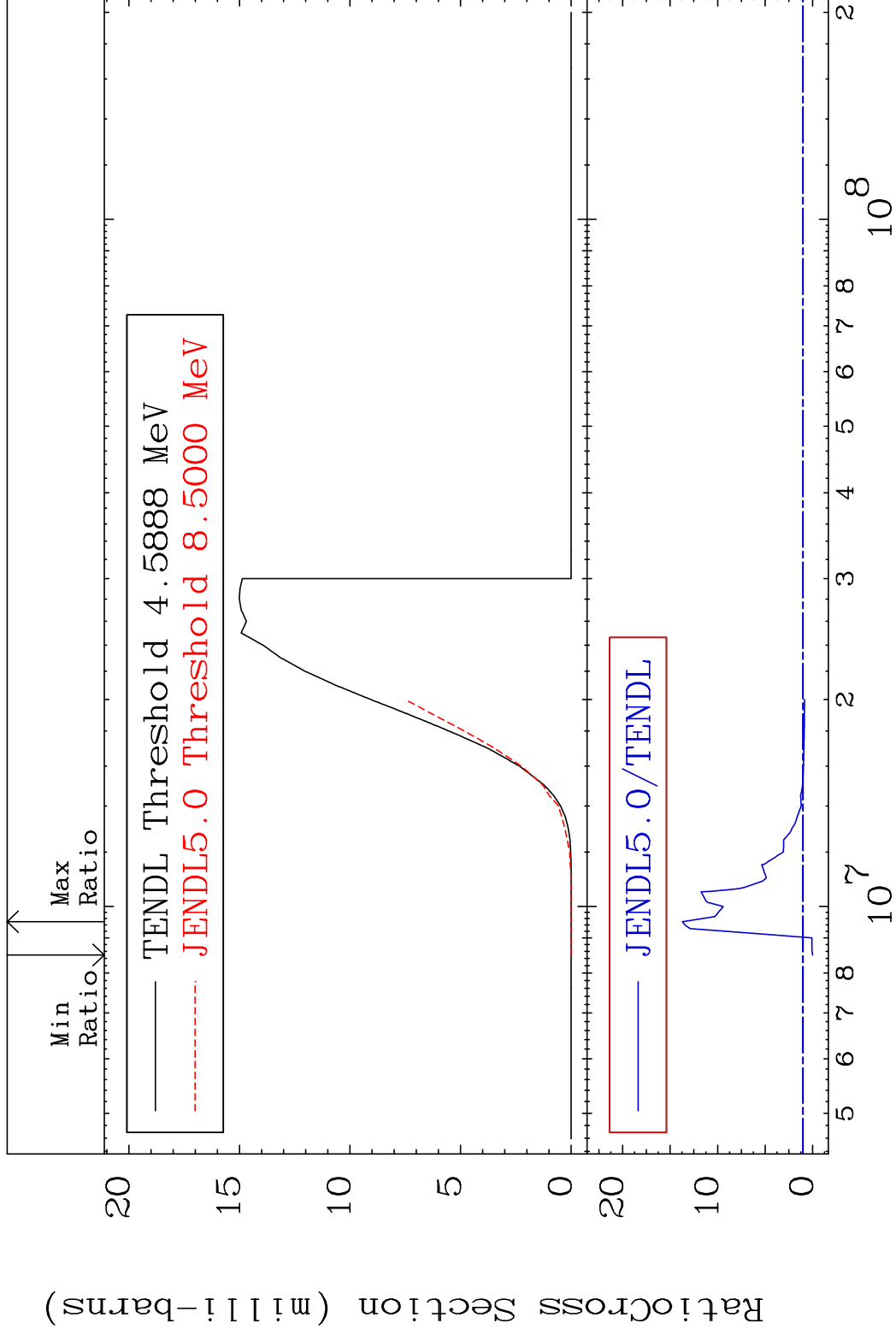
72-Hf-177

MAT 7234

(n, d)

72-Hf-177

Cross Section -100.0 To 1272. %



27

Incident Energy (eV)

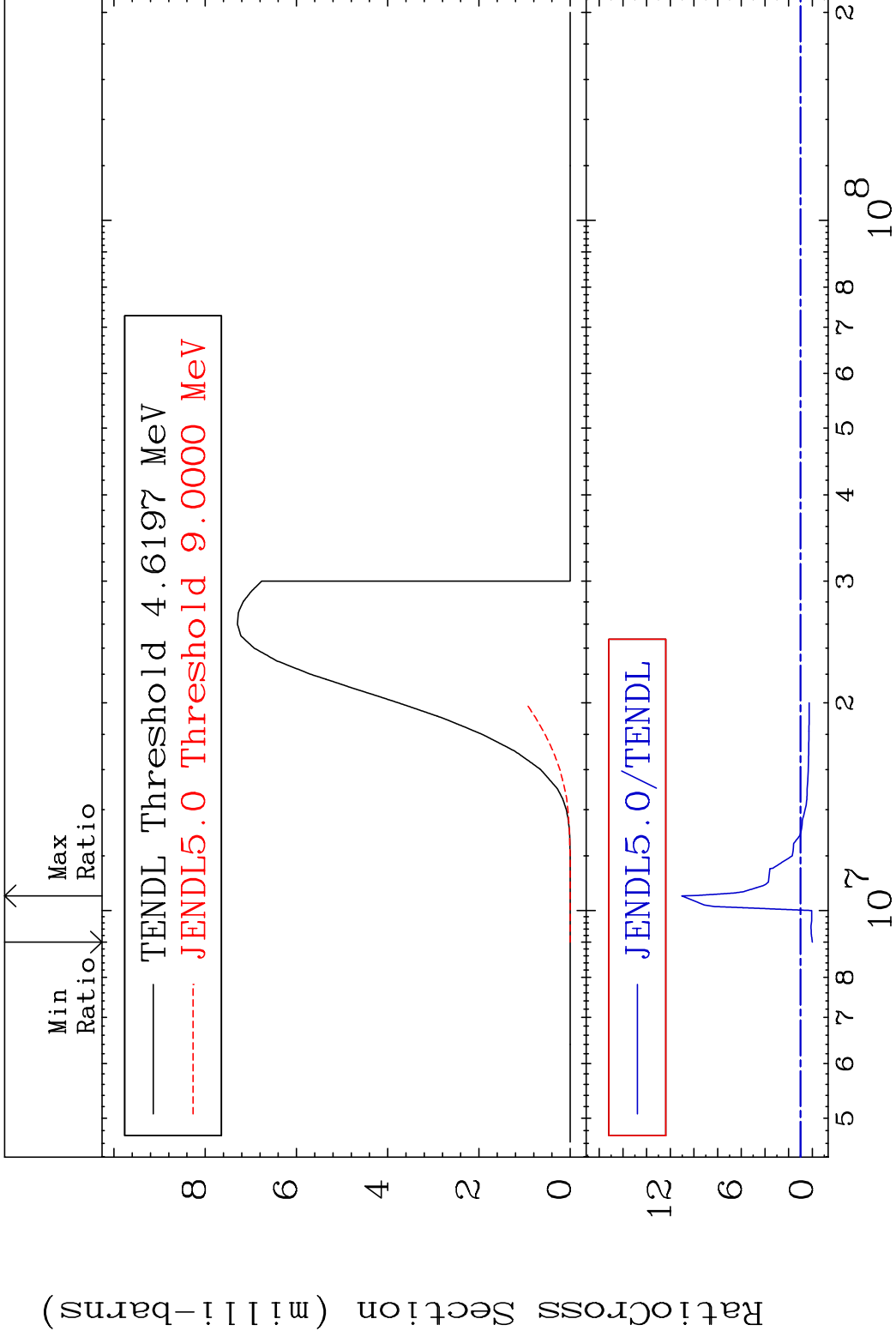
72-Hf-177

MAT 7234

(n, t)

72-Hf-177

Cross Section -100.0 To 1003. %



28

Incident Energy (eV)

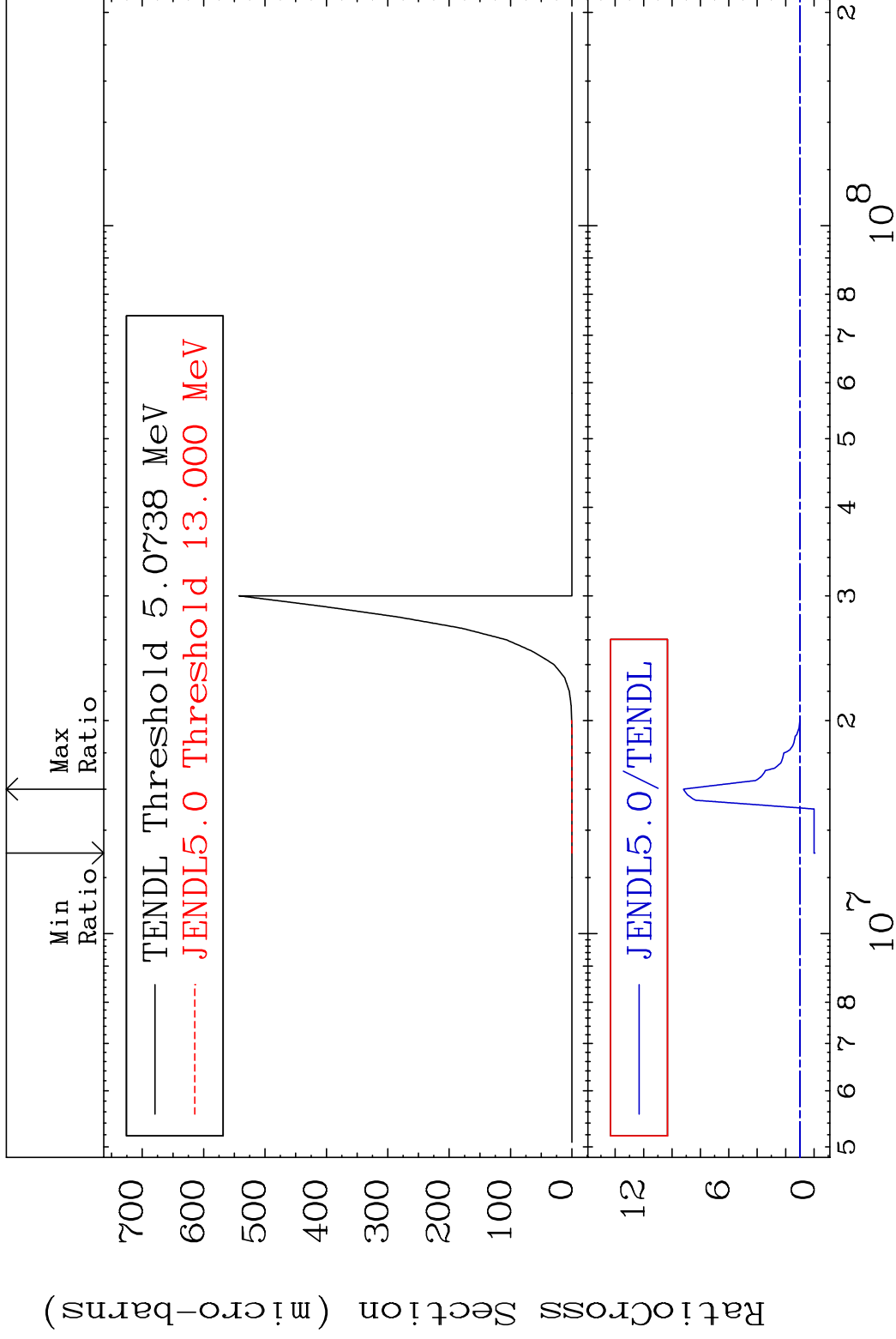
72-Hf-177

MAT 7234

(n, He-3)

72-Hf-177

Cross Section -100.0 To 819.5 %



29

Incident Energy (eV)

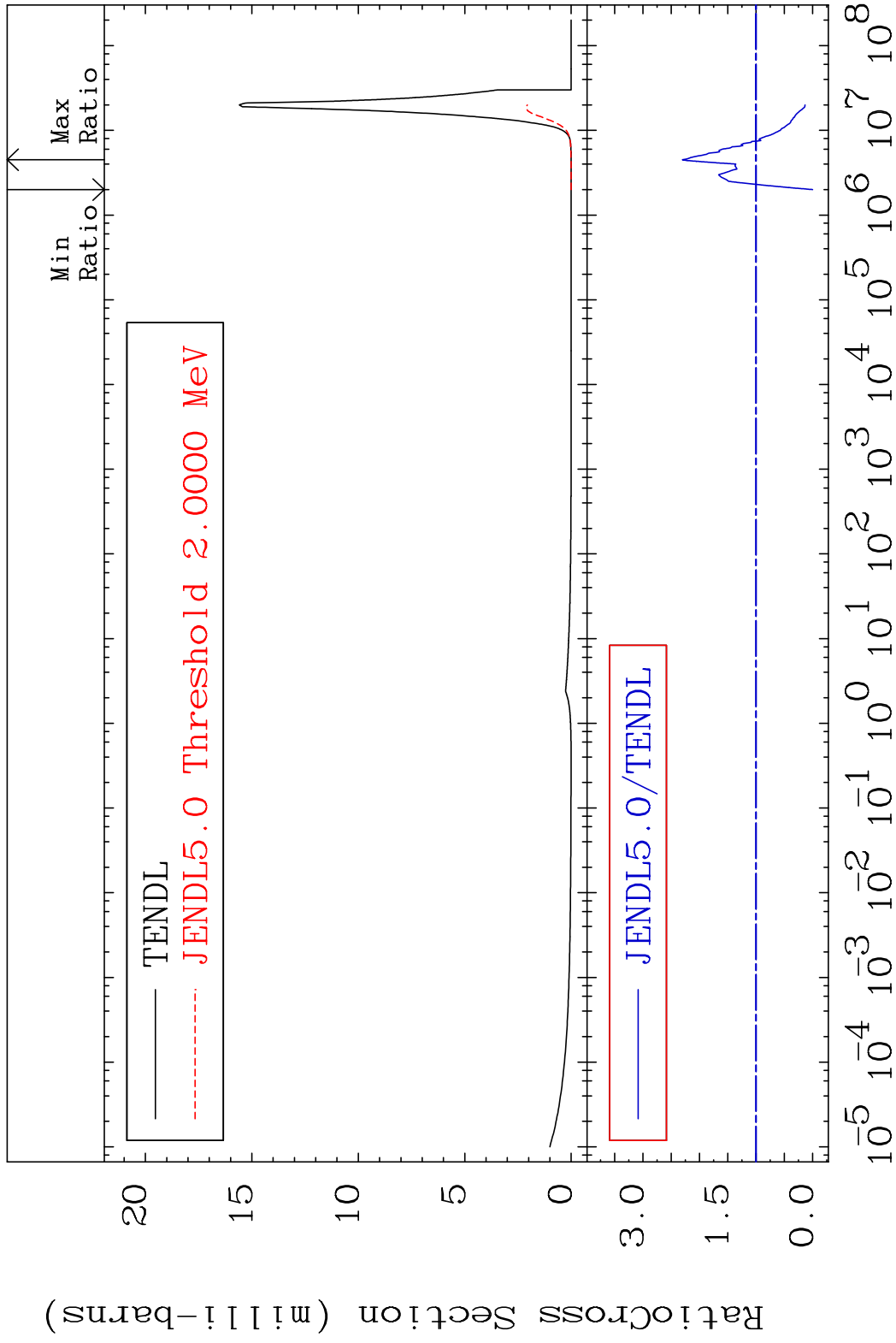
72-Hf-177

MAT 7234

(n,  $\alpha$ )

72-Hf-177

Cross Section -100.0 To 130.4 %



30

Incident Energy (eV)

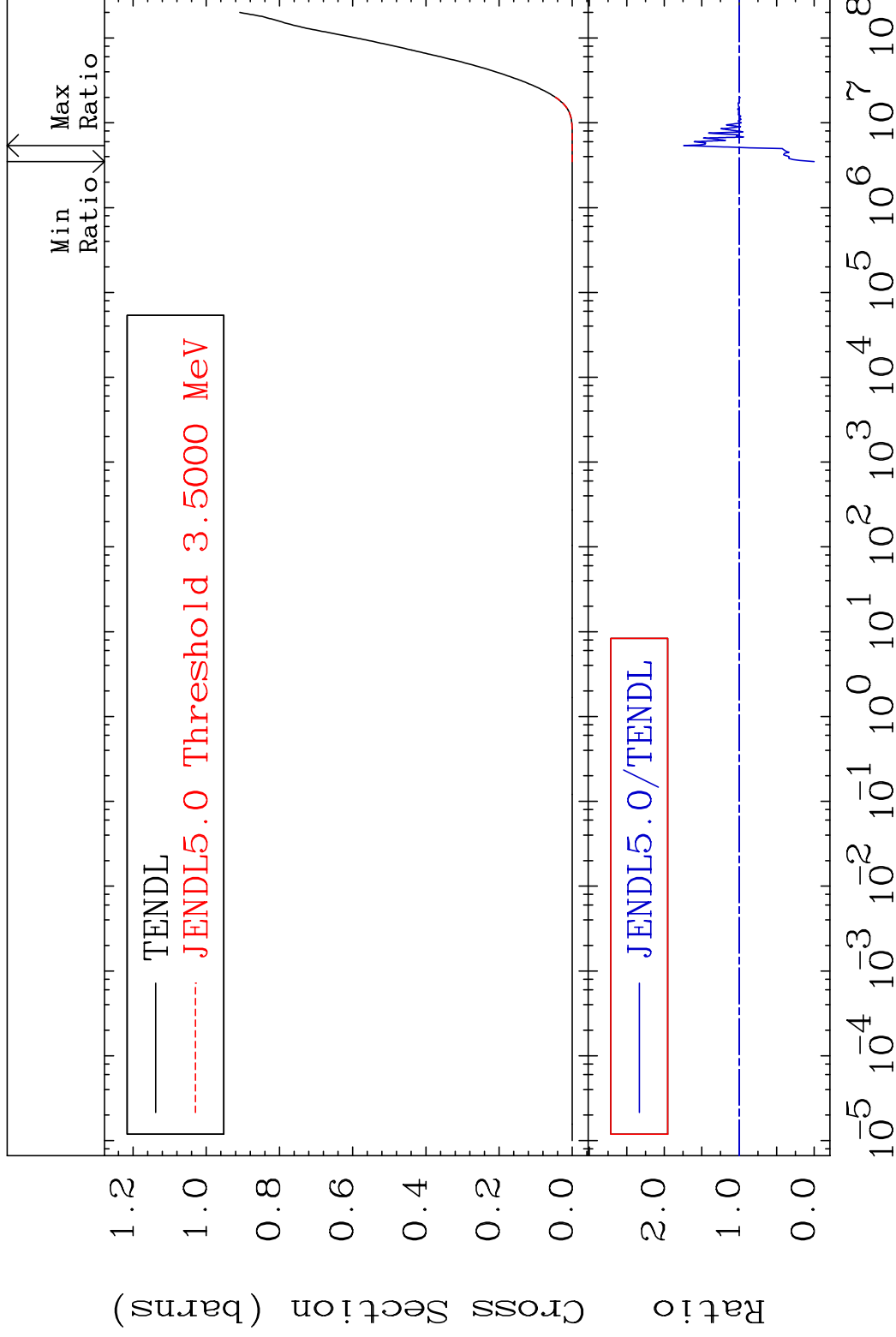
72-Hf-177

MAT 7234

Hydrogen Production

72-Hf-177

Cross Section -100.0 To 74.18 %

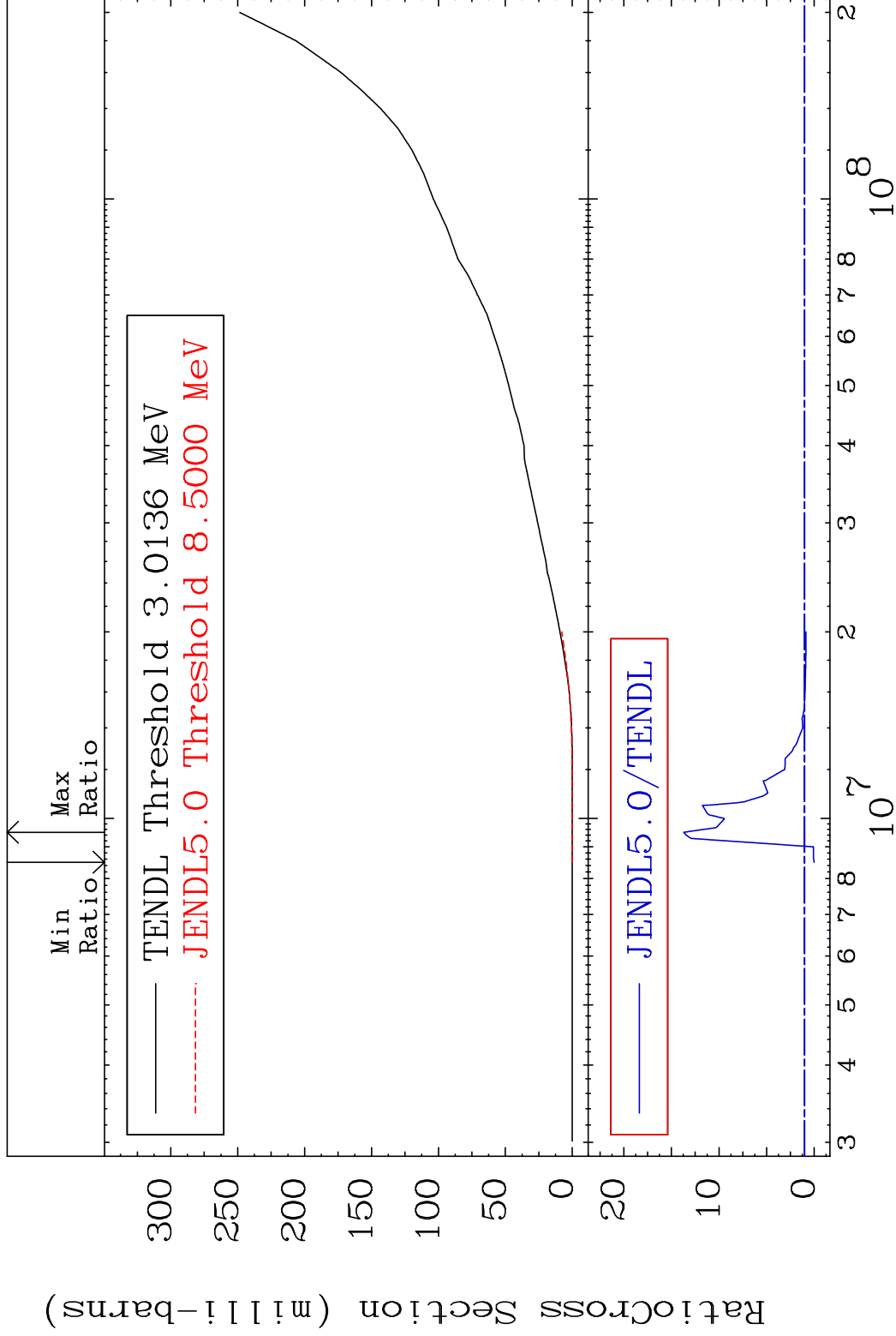


31

Incident Energy (eV)

72-Hf-177

Cross Section -100.0 To 1272. %

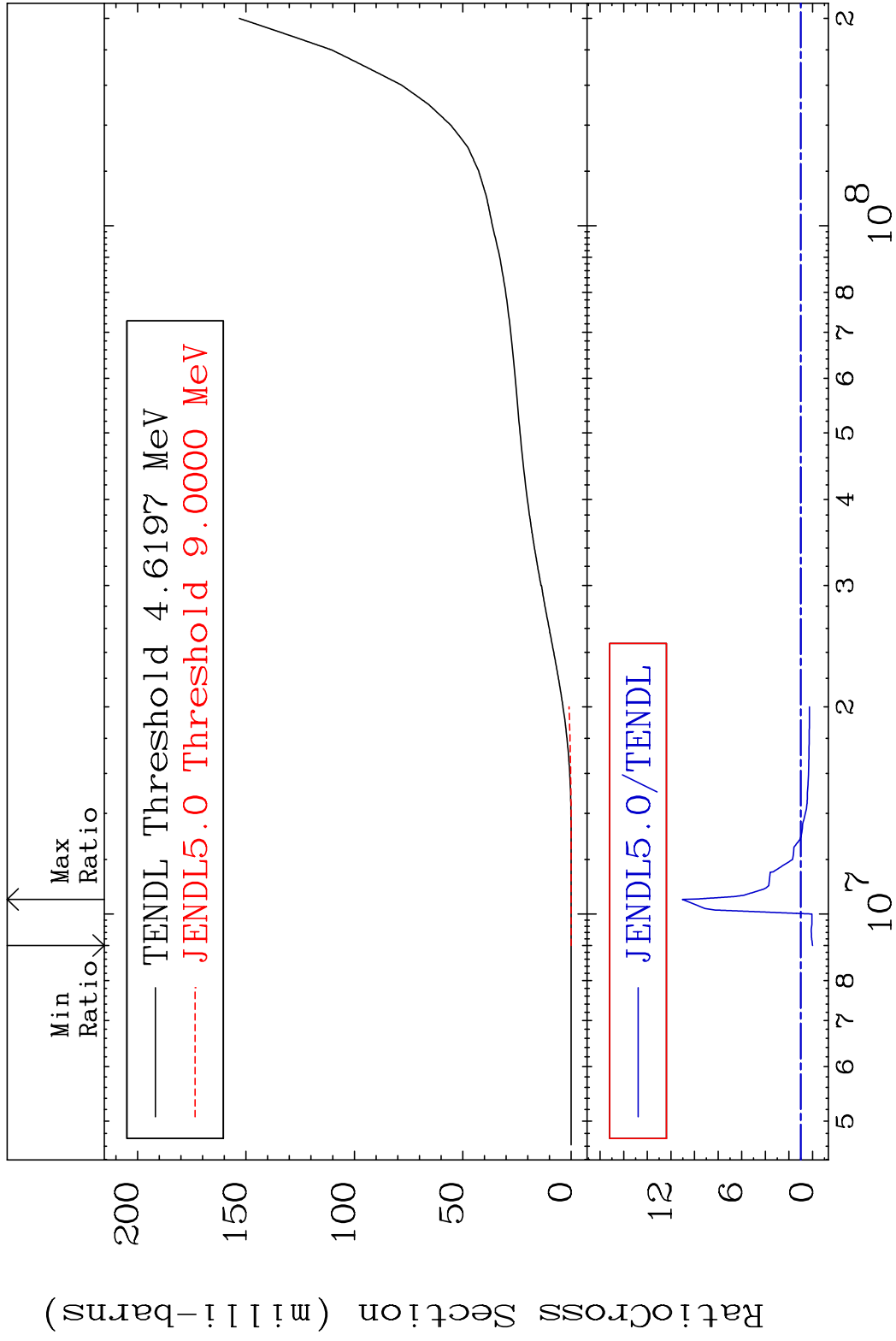


MAT 7234

Tritium Production

72-Hf-177

Cross Section -100.0 To 1003. %

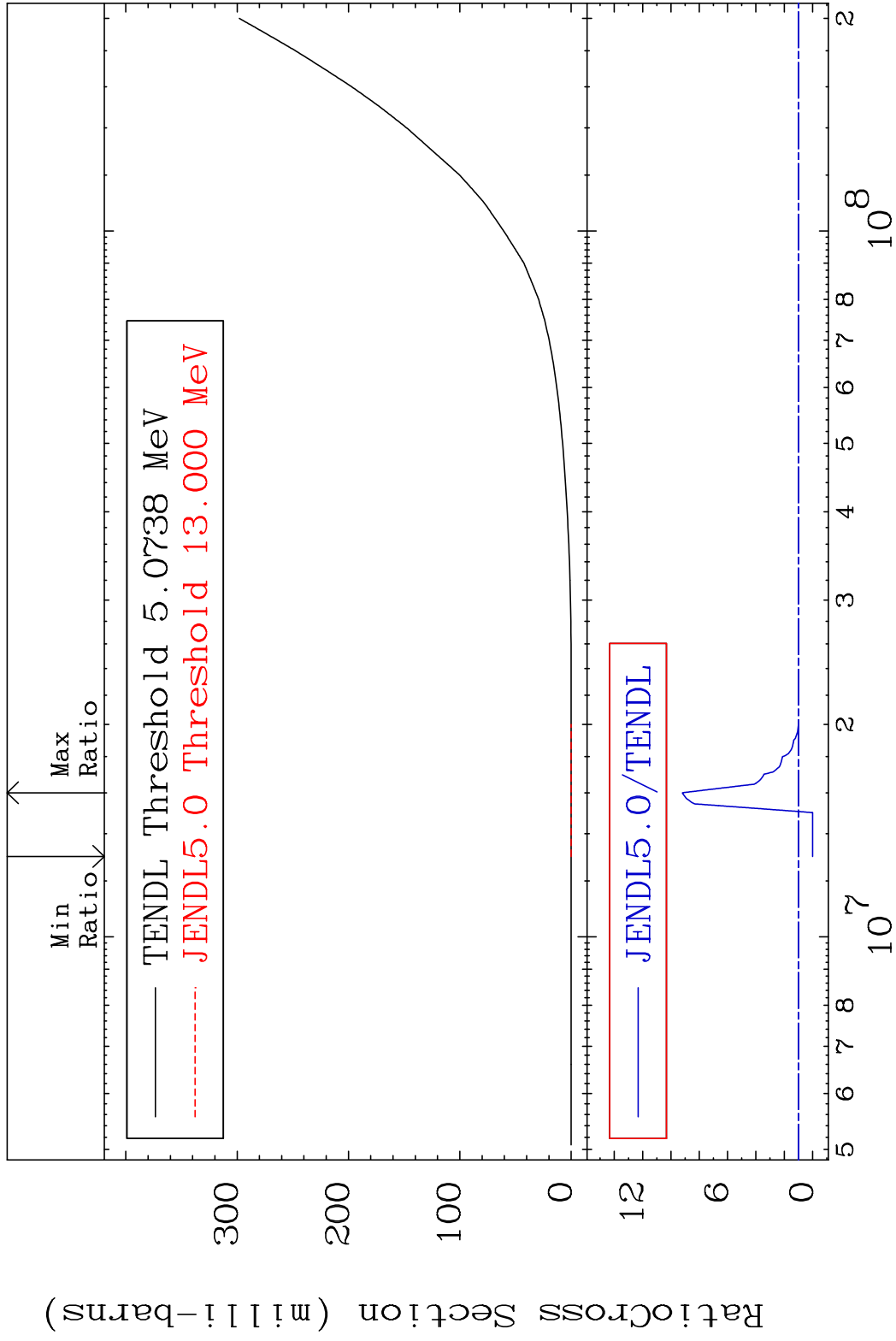


MAT 7234

He-3 Production

72-Hf-177

Cross Section -100.0 To 819.5 %



34

Incident Energy (eV)

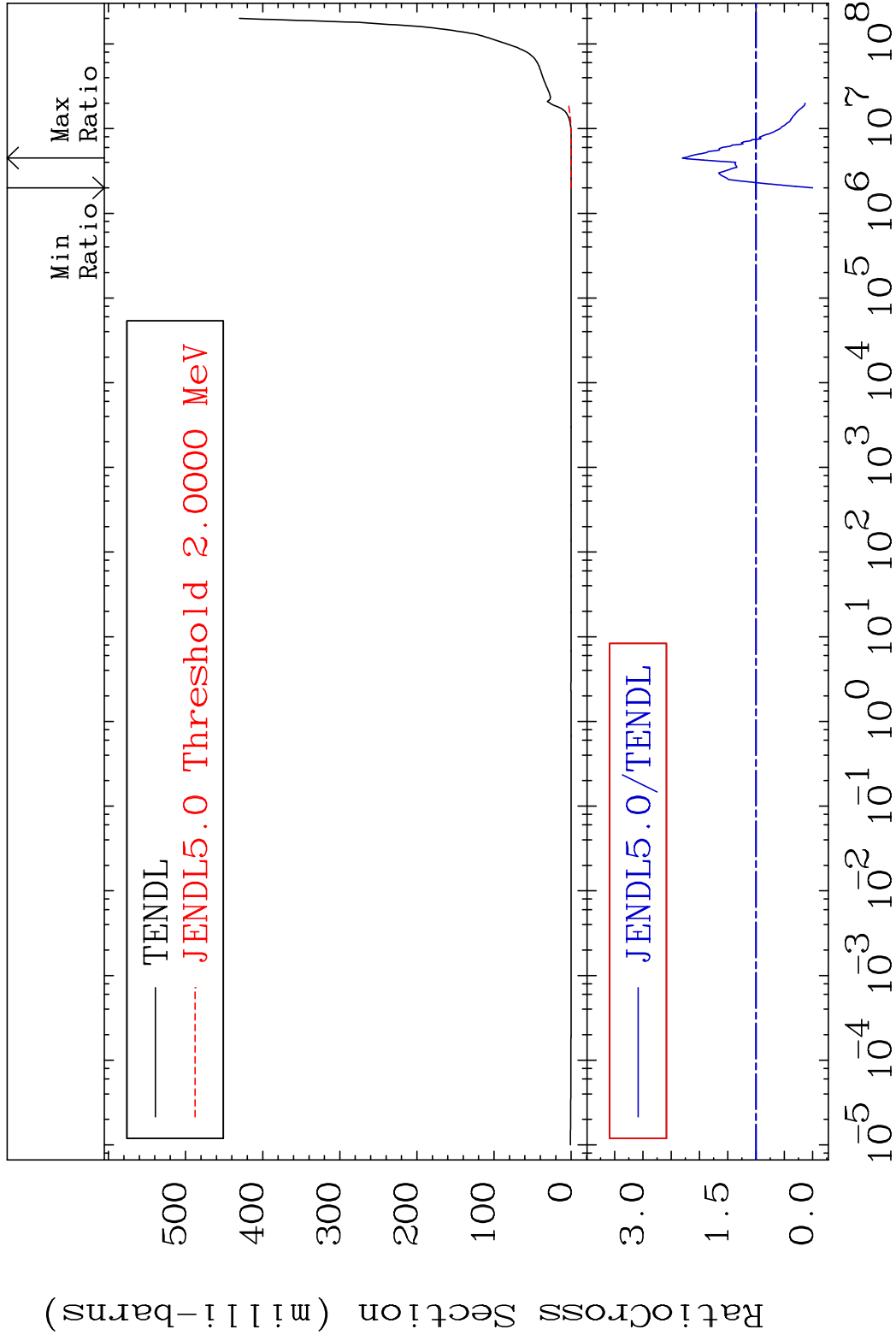
72-Hf-177

MAT 7234

He-4 Production

72-Hf-177

Cross Section -100.0 To 130.4 %

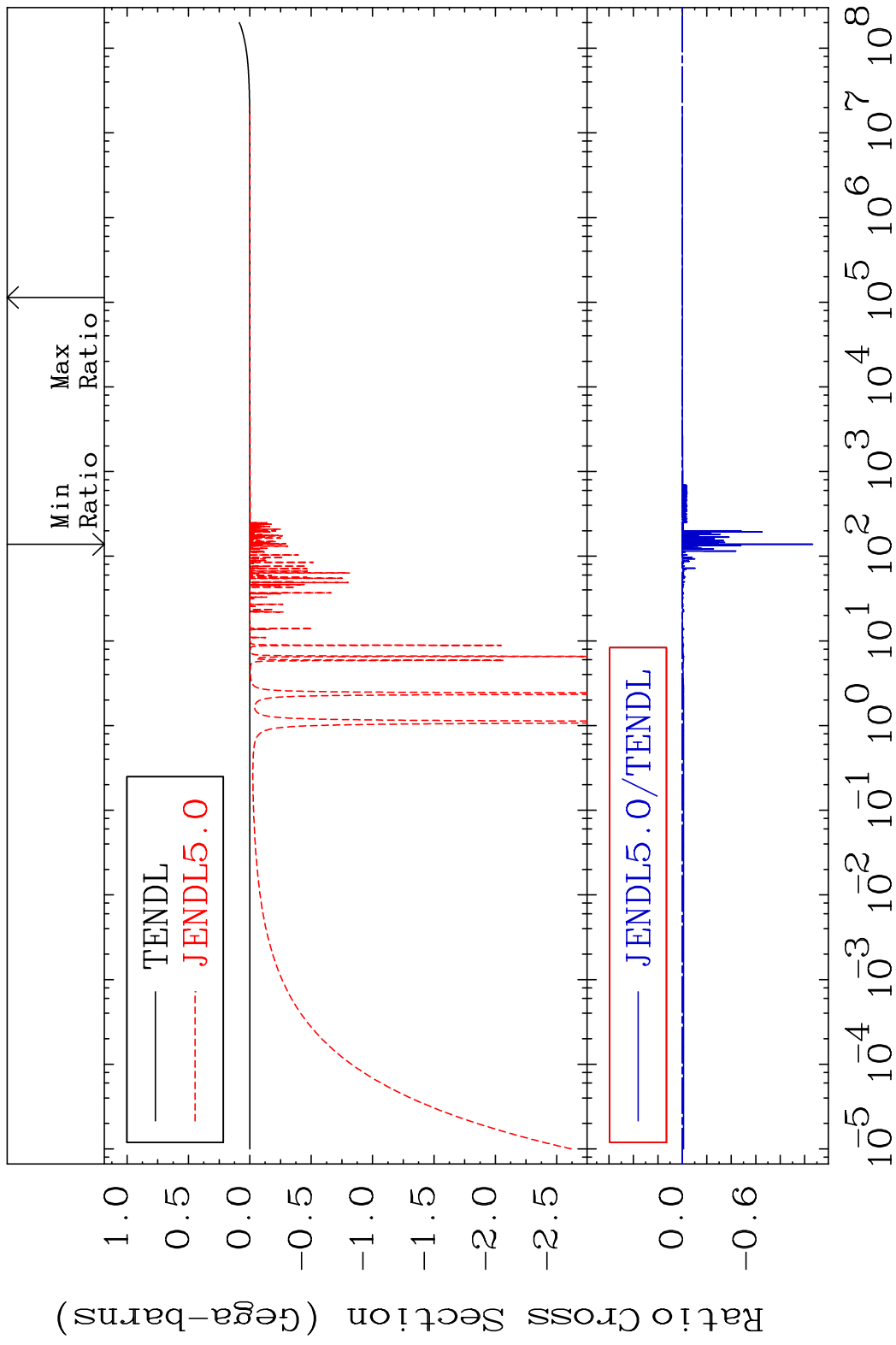


35

Incident Energy (eV)

72-Hf-177

MAT 7234 Kerma total (eV-barns) 72-Hf-177  
 Cross Section -9999. To 3540. %

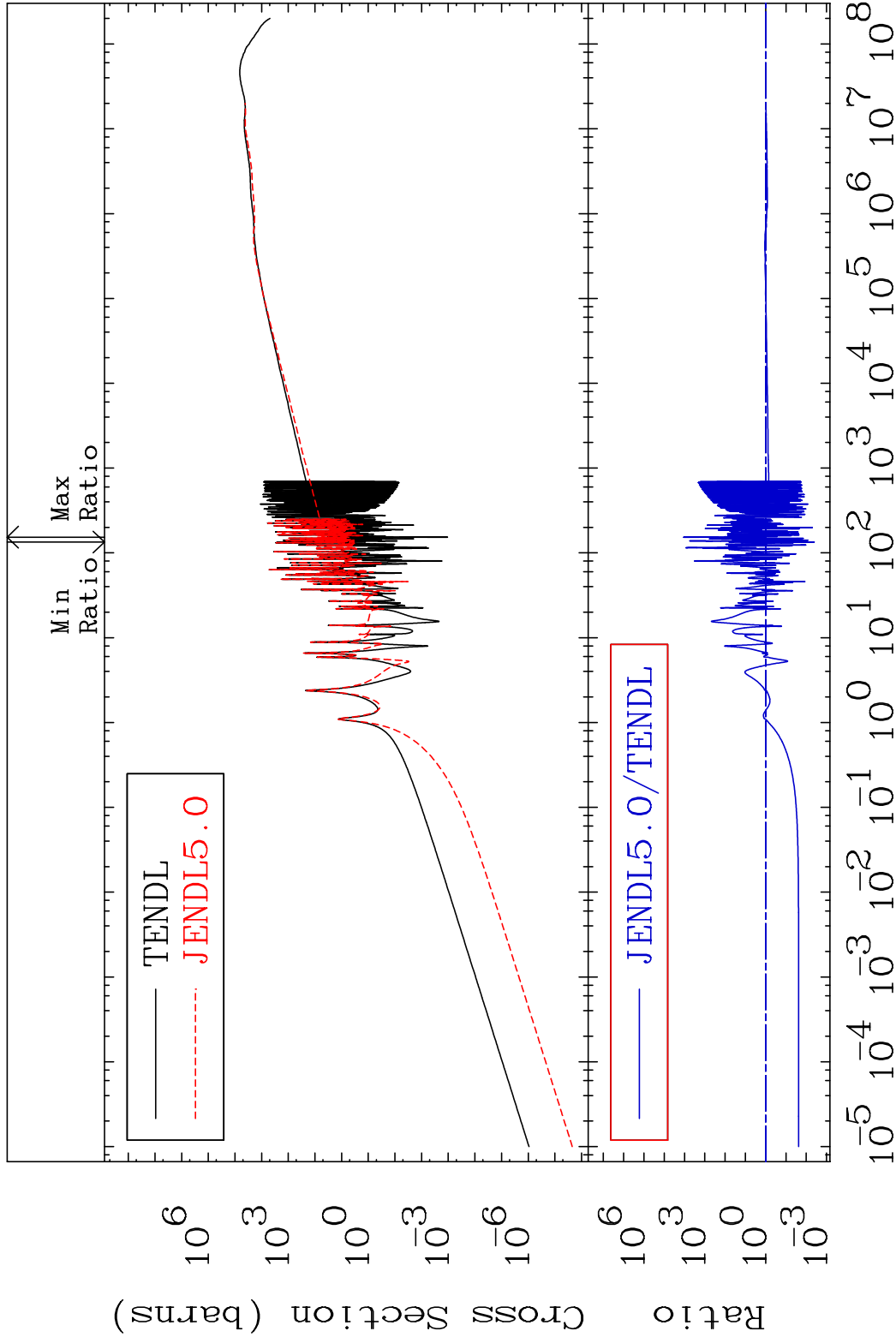


MAT 7234

Kerma elastic

72-Hf-177

Cross Section -99.59 To 9999. %

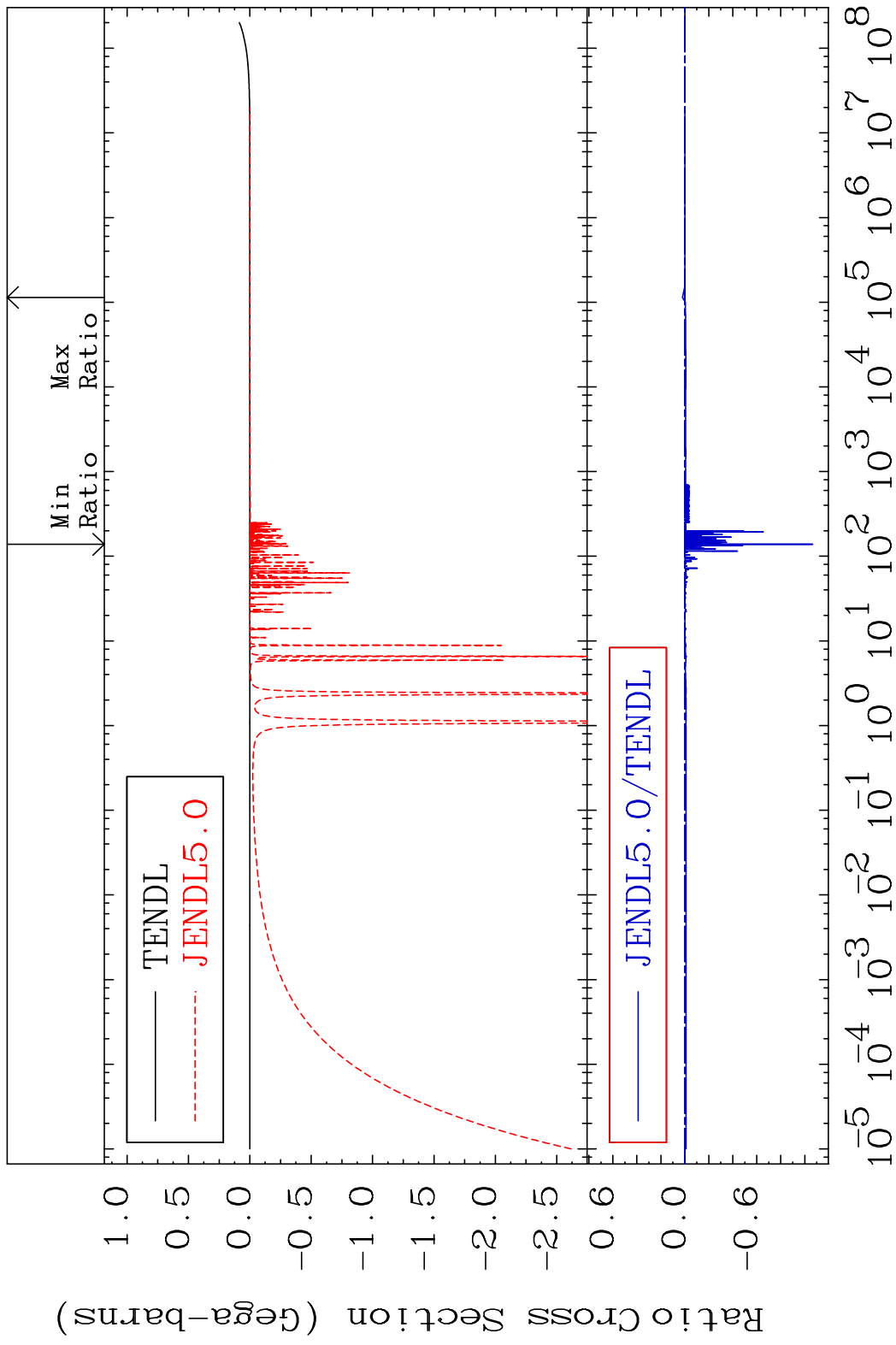


37

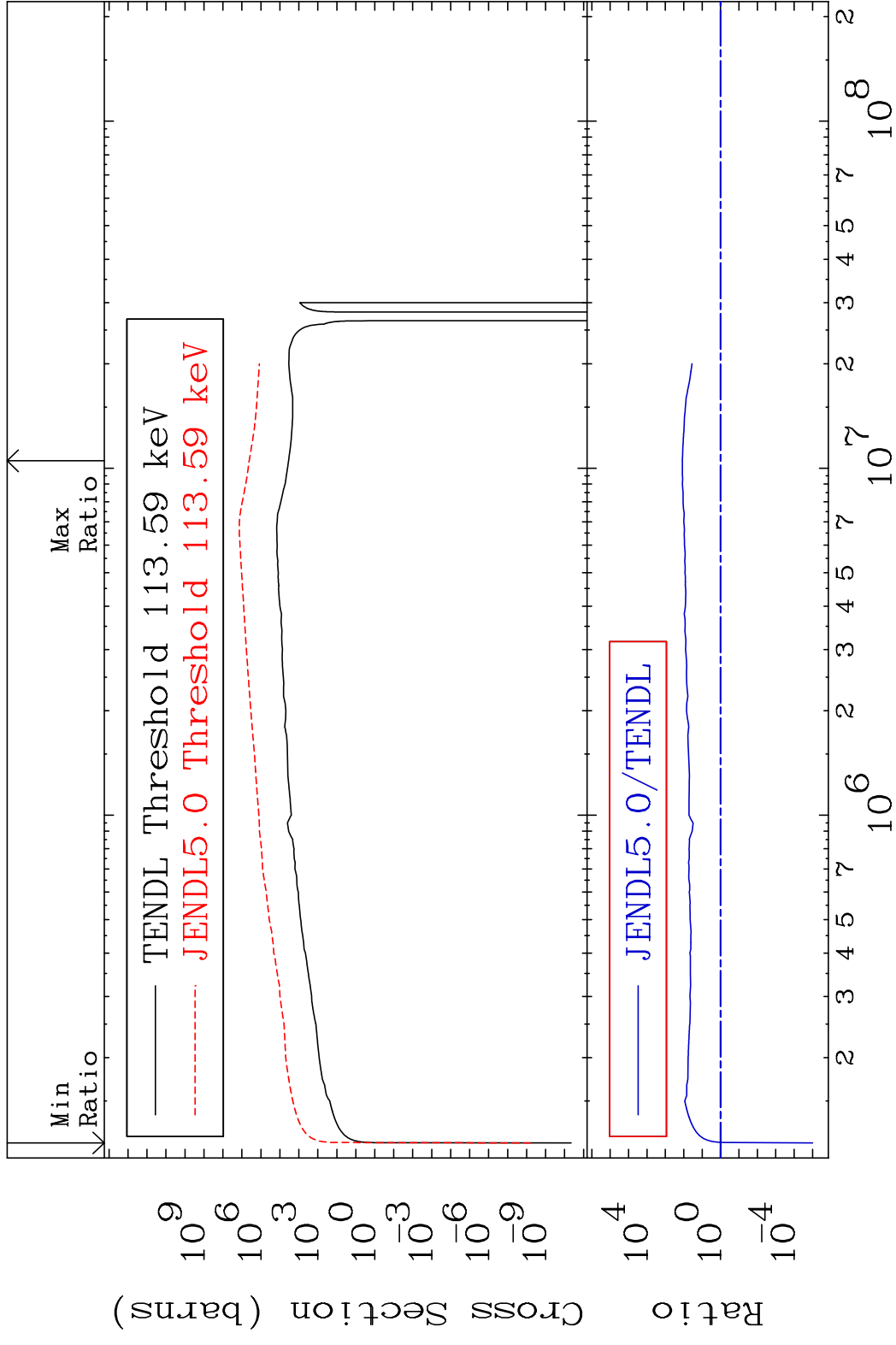
Incident Energy (eV)

72-Hf-177

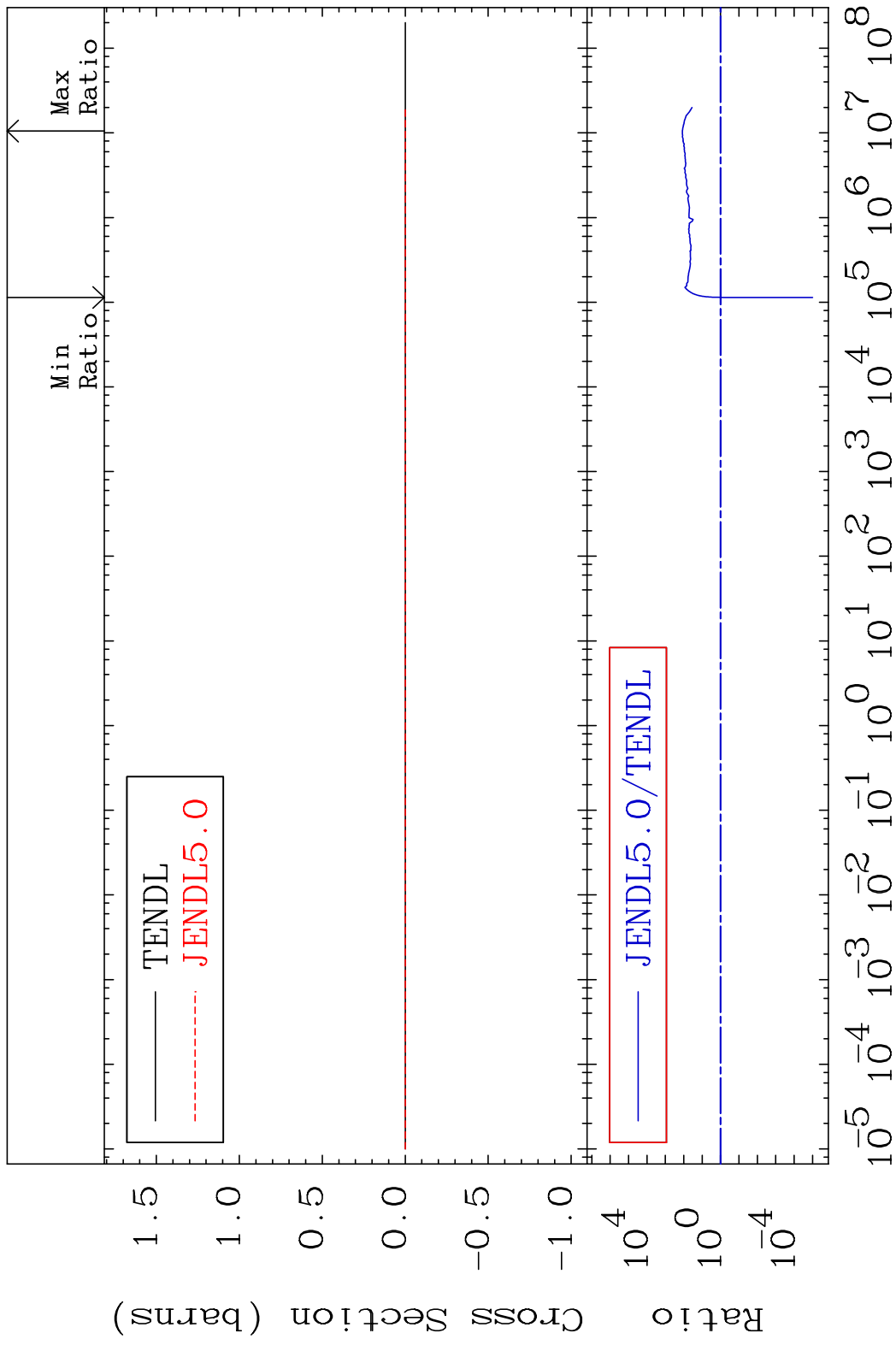
MAT 7234 Kerma non-elastic (all but mt2) 72-Hf-177  
 Cross Section -9999. To 9999. %



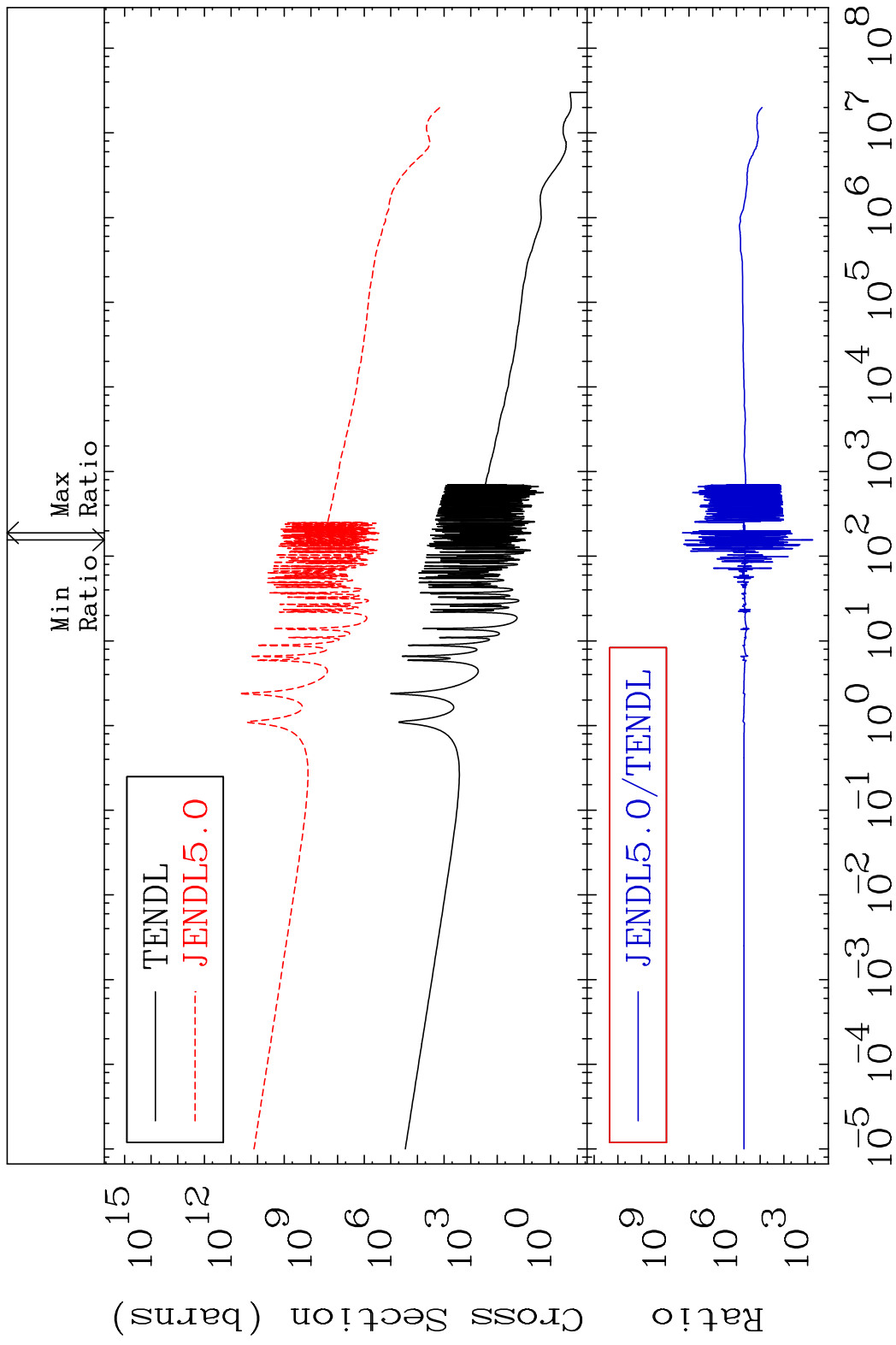
MAT 7234 Kerma inelastic (mt51-91) 72-Hf-177  
 Cross Section -100.0 To 9999. %



MAT 7234 Kerma fission (mt18 or mt19-20-21-38)72-Hf-177  
 Cross Section -100.0 To 9999. %



MAT 7234 Kerma capture (mt102) 72-Hf-177  
 Cross Section 9999. To 9999. %

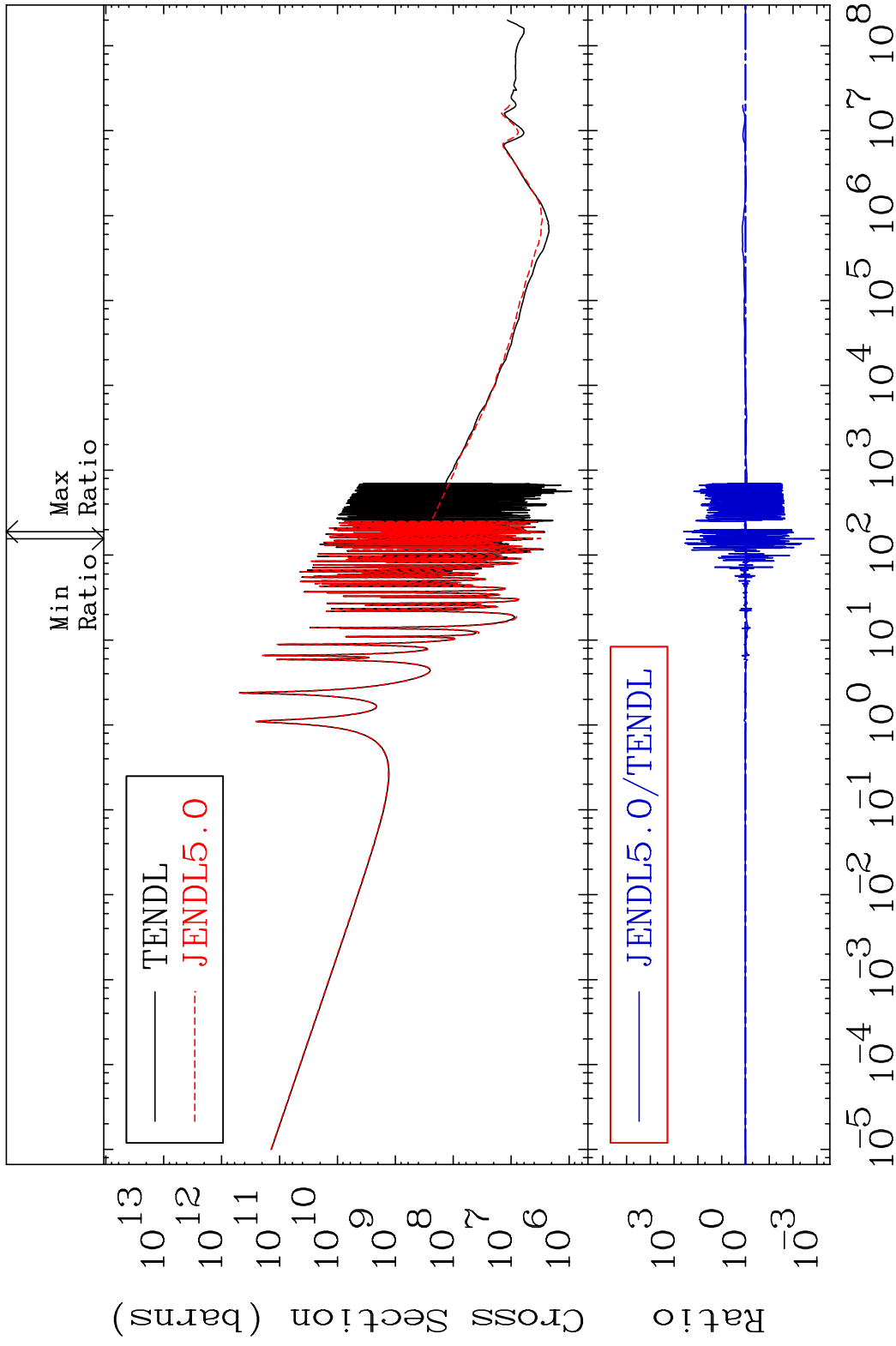


MAT 7234

Total photon (eV-barns)

72-Hf-177

Cross Section -99.87 To 9999. %

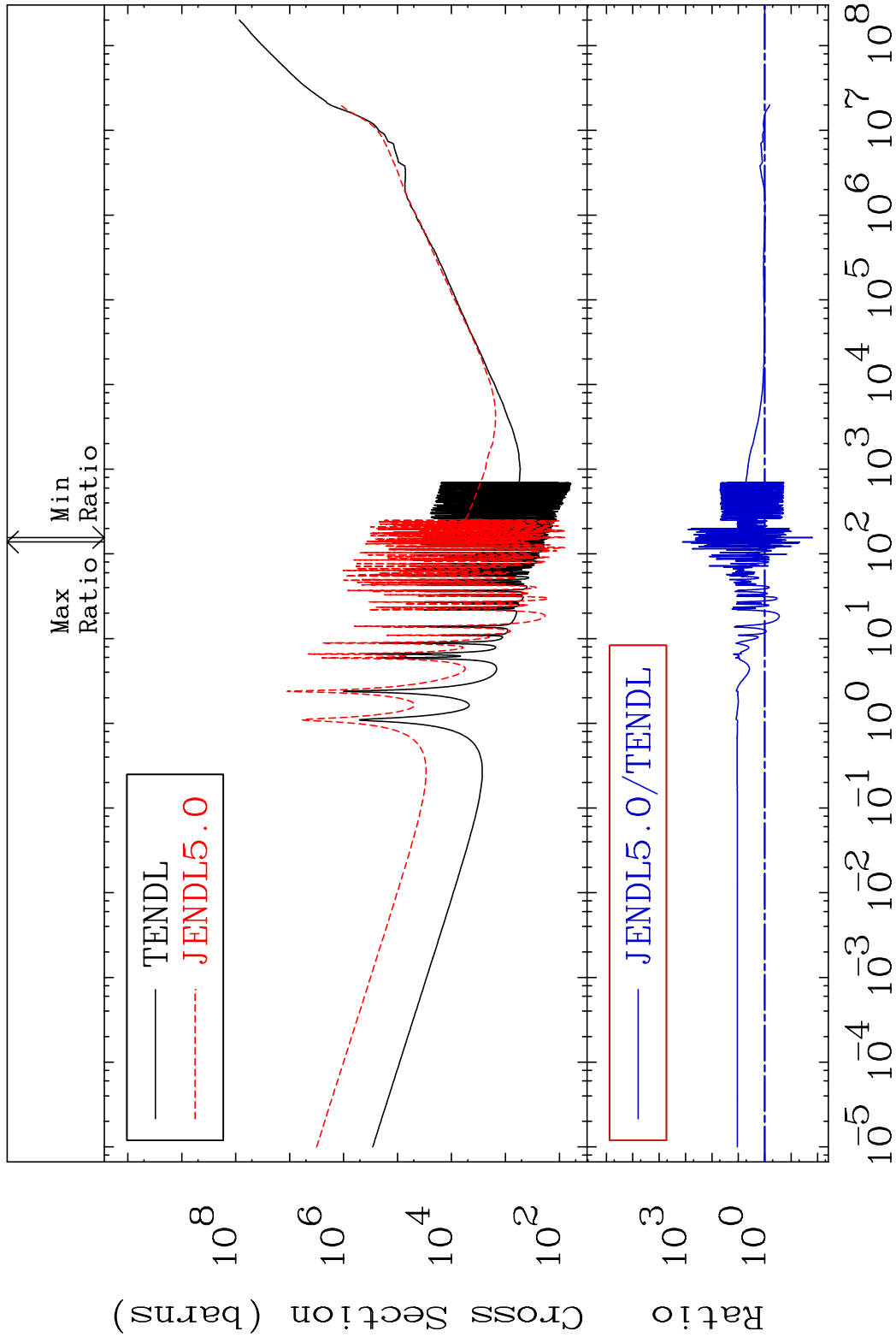


42

Incident Energy (eV)

72-Hf-177

MAT 7234 Total kinematic kerma (high limit) 72-Hf-177  
 Cross Section -98.46 To 9999. %

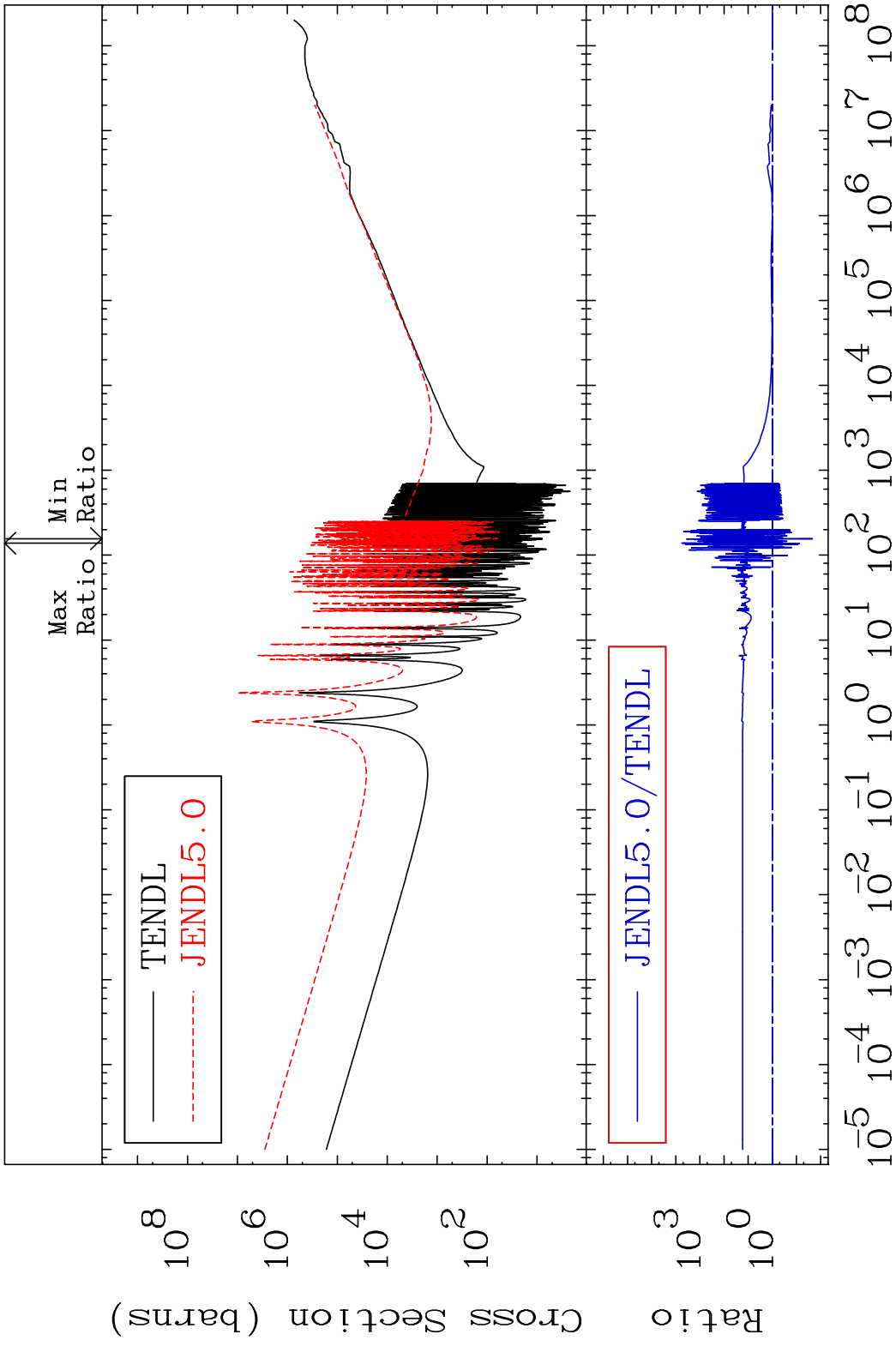


MAT 7234

Dpa total (eV-barns)

72-Hf-177

Cross Section -97.80 To 9999. %



44

Incident Energy (eV)

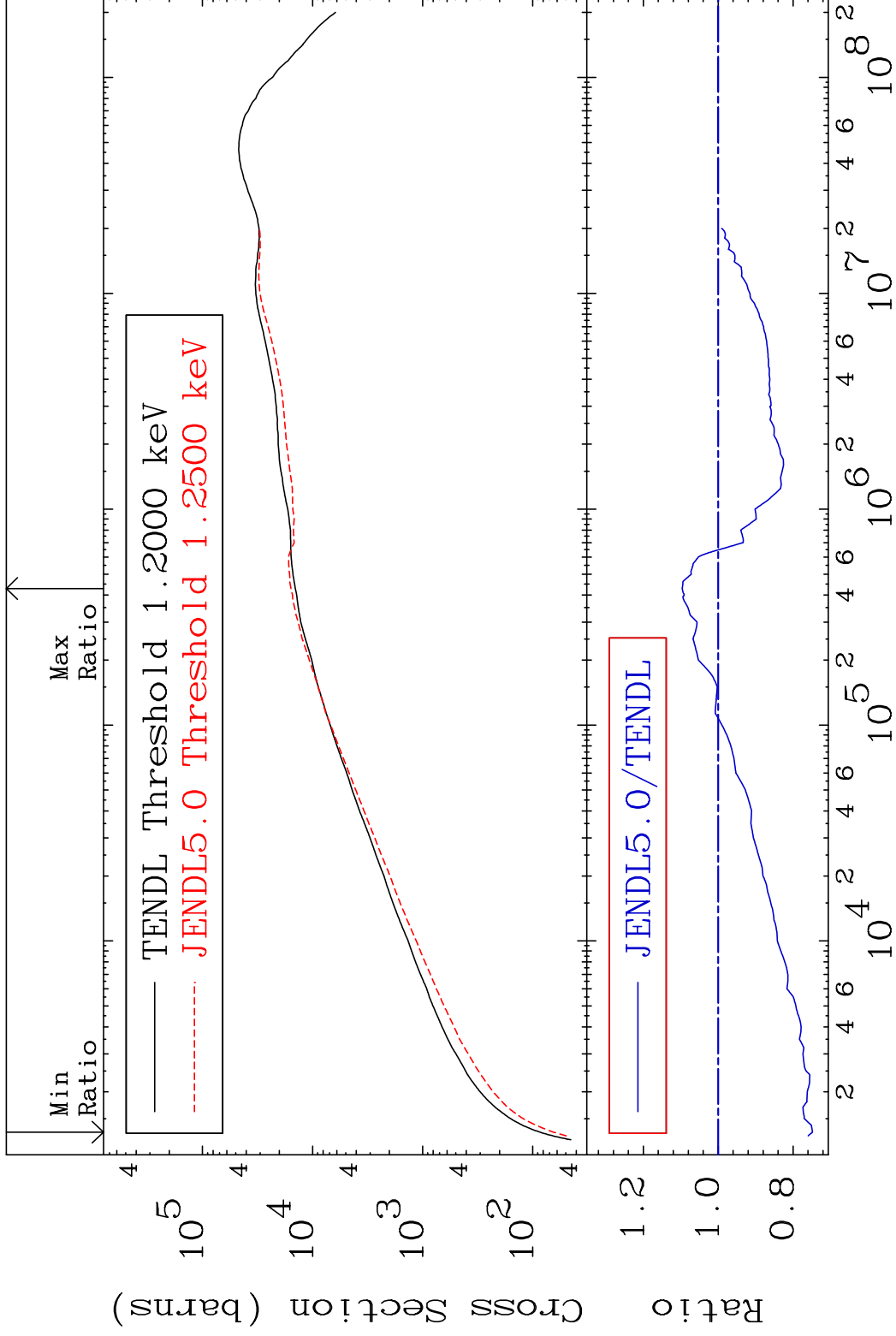
72-Hf-177

MAT 7234

Dpa elastic (mt2)

72-Hf-177

Cross Section -25.18 To 9.632 %

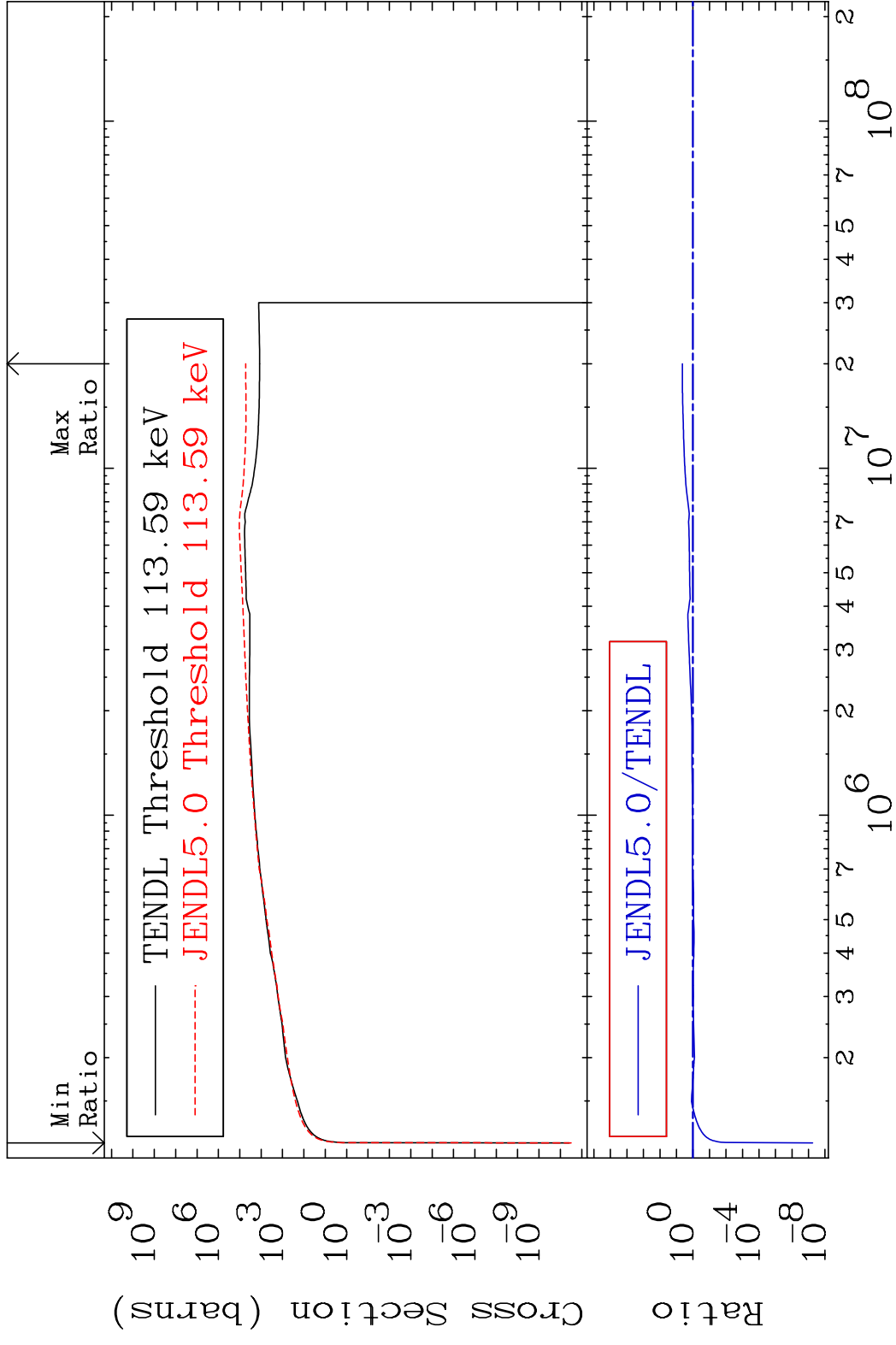


45

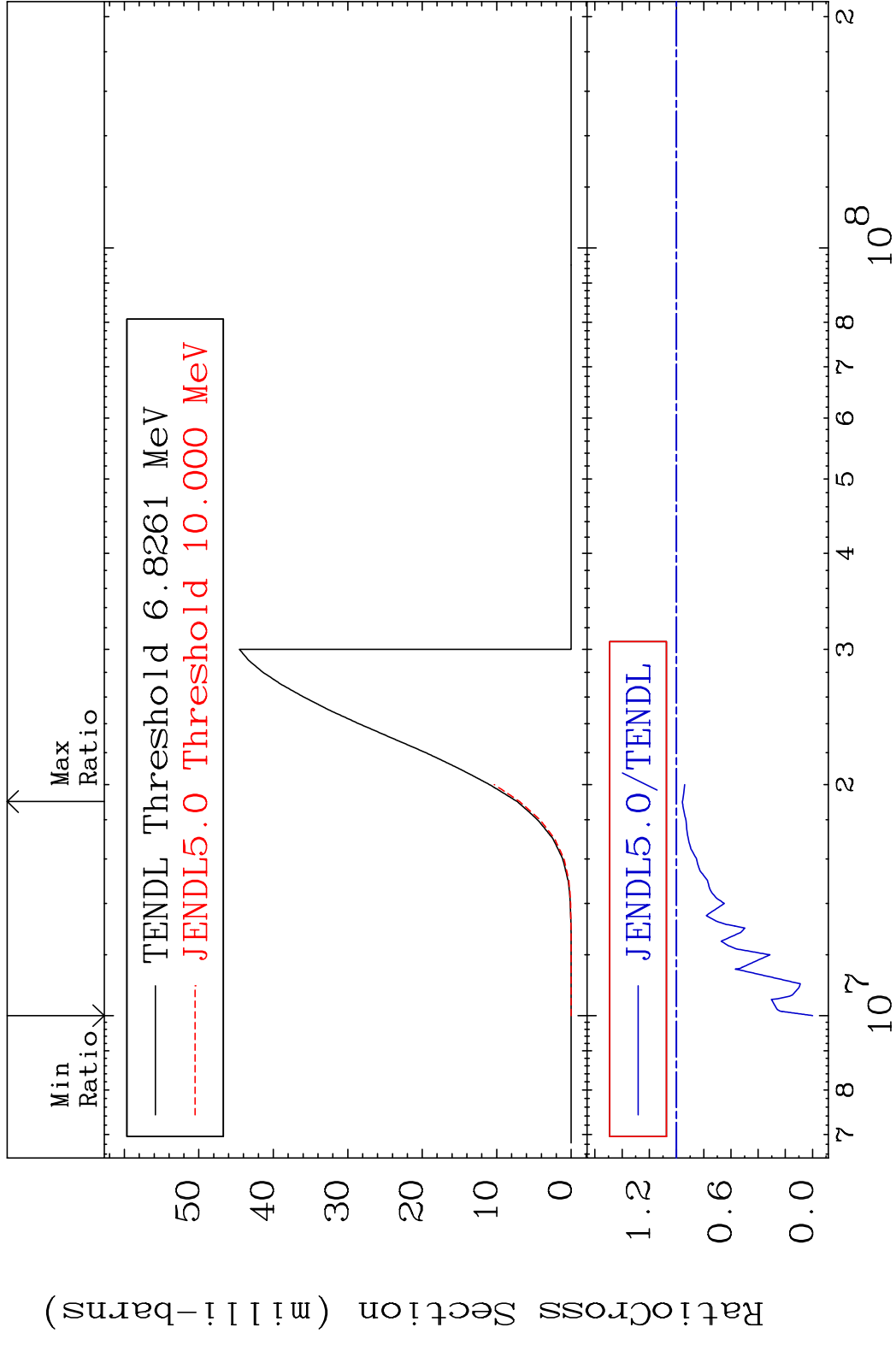
Incident Energy (eV)

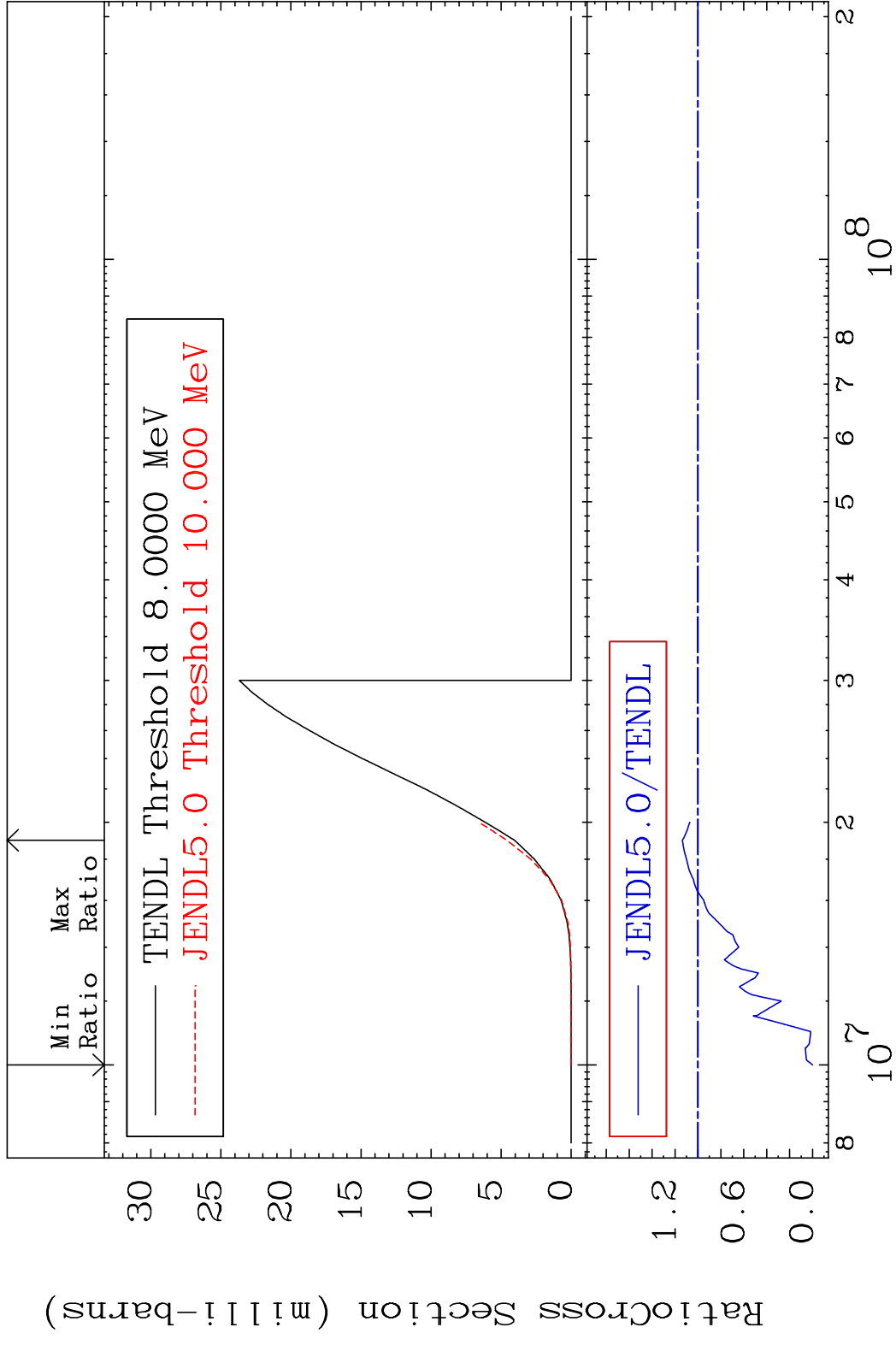
72-Hf-177

MAT 7234      Dpa inelastic (mt51-91)      72-Hf-177  
 Cross Section      -100.0 To 339.6 %

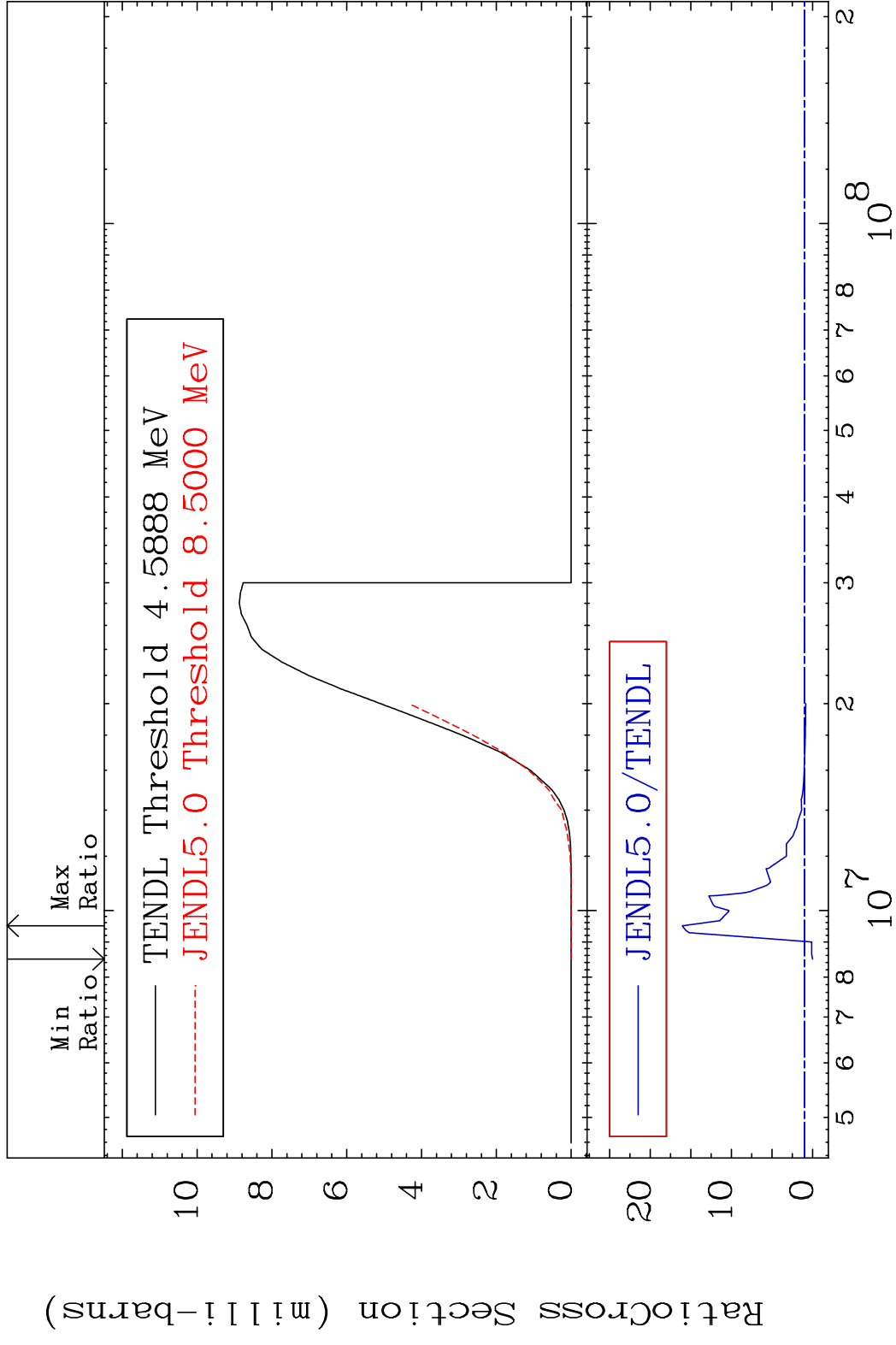


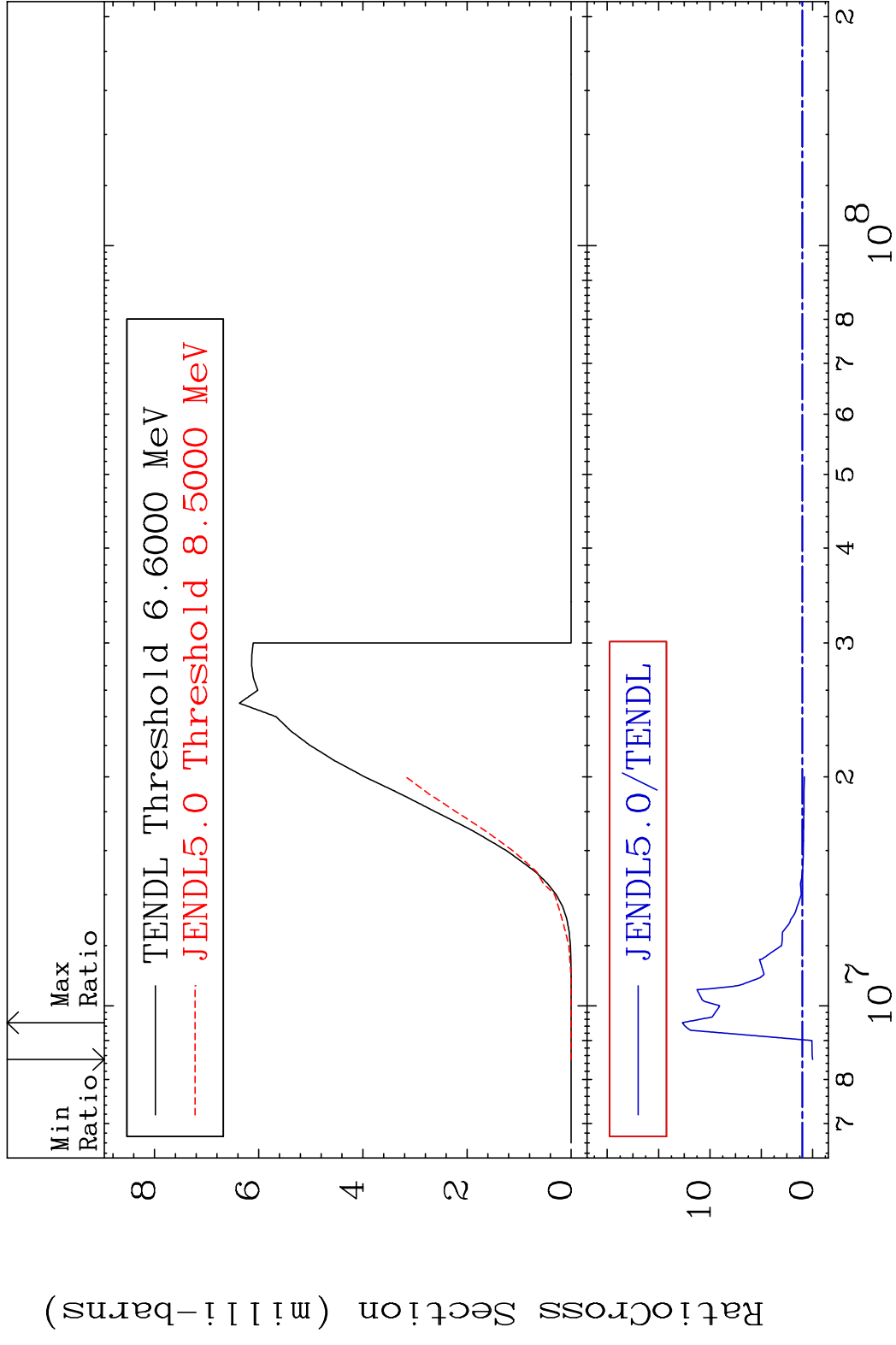






MAT 7234 (n, d):71-Lu-176g 72-Hf-177  
 Radionuclide Production Cross Section 1504.10 %

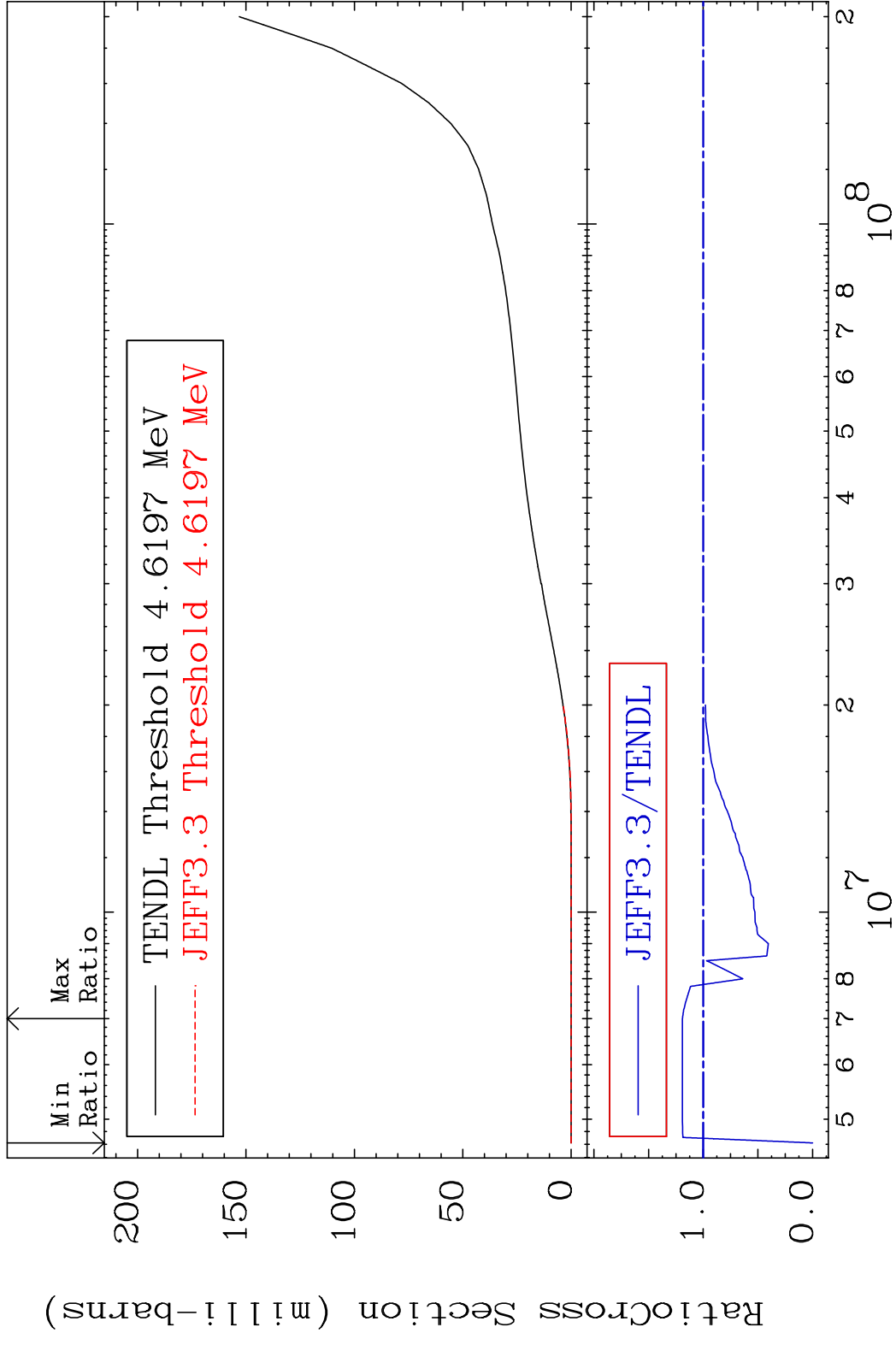




MAT 7234

Tritium Production  
Cross Section -100.0 To 19.11 %

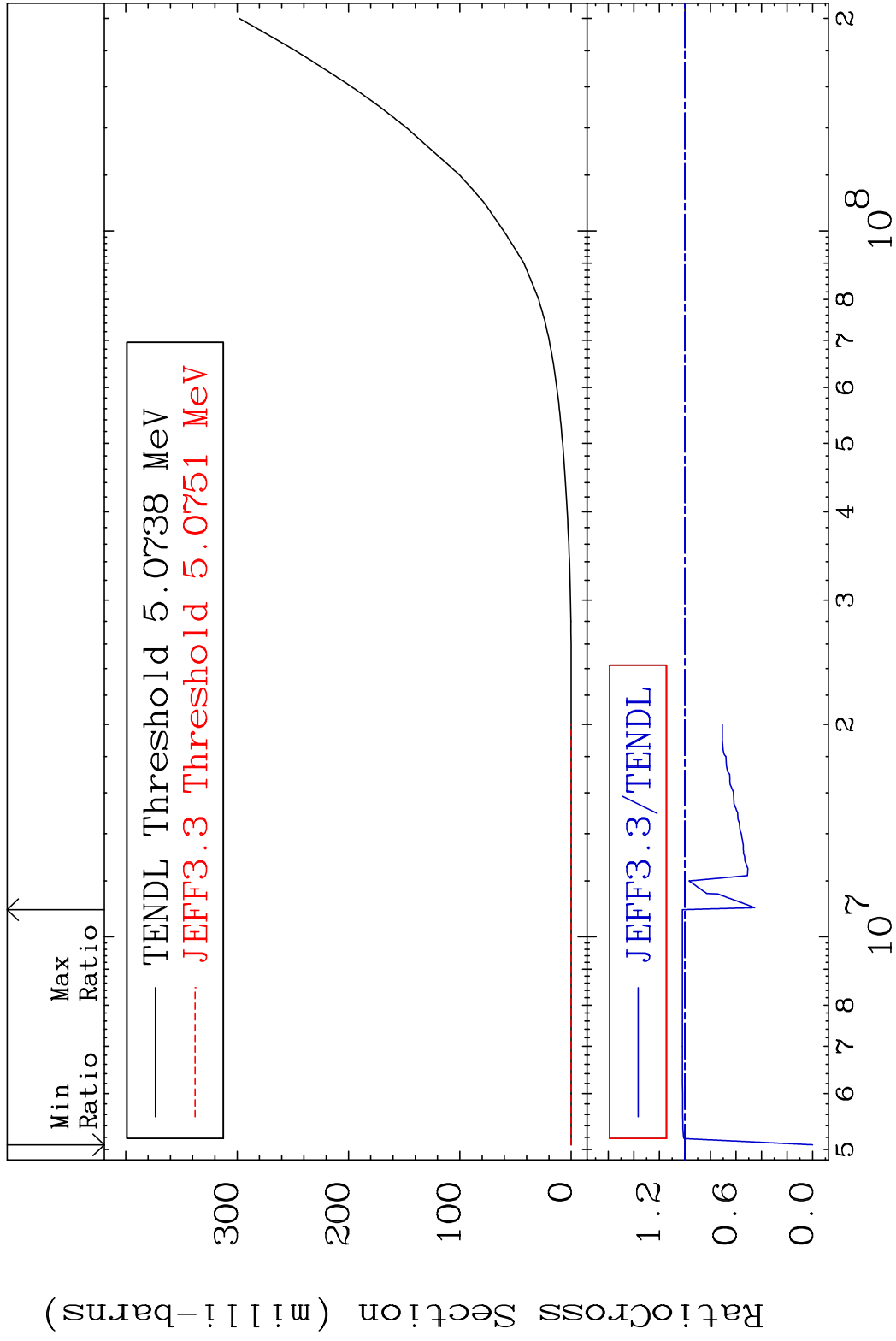
72-Hf-177



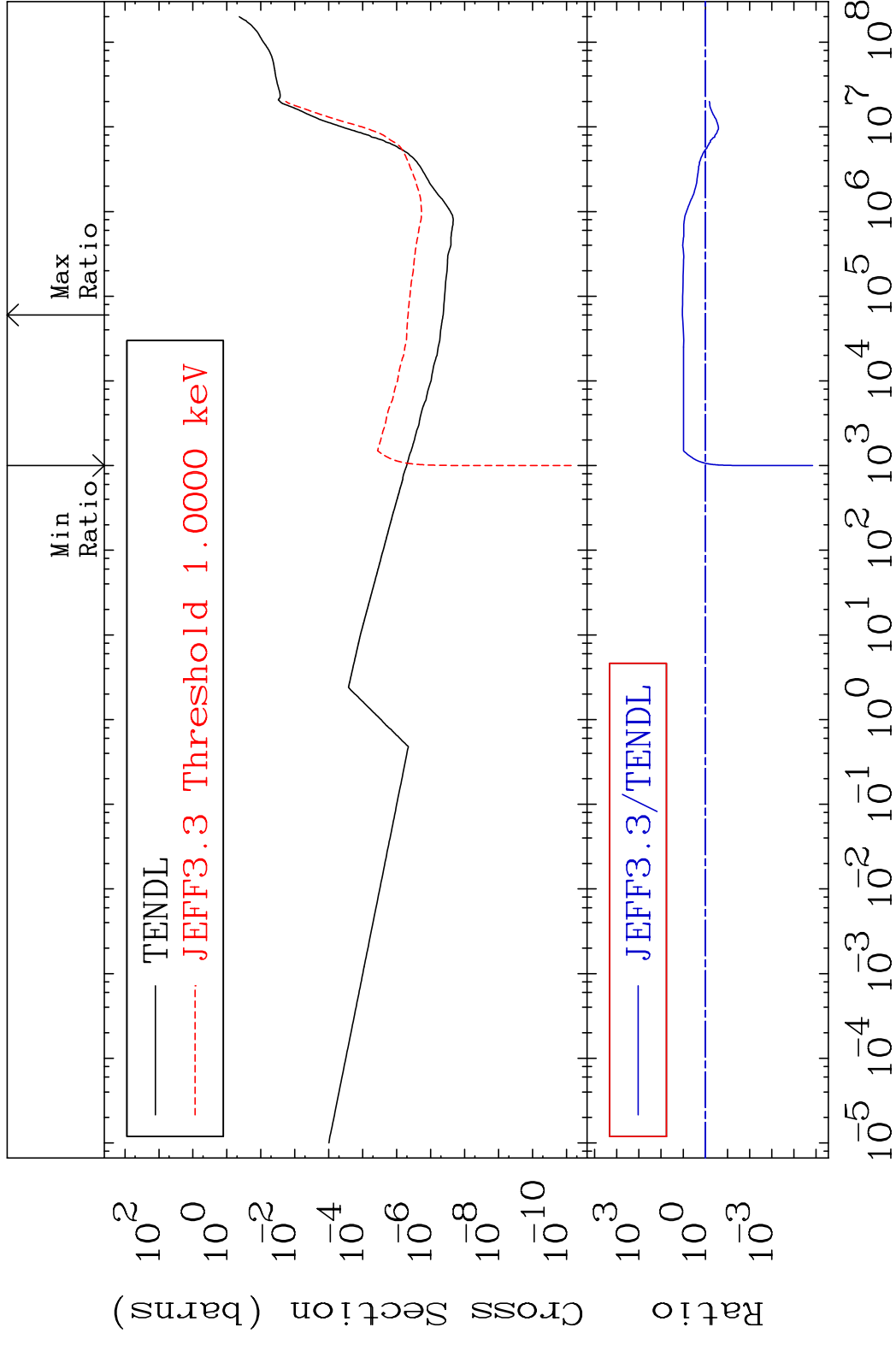
52

72-Hf-177

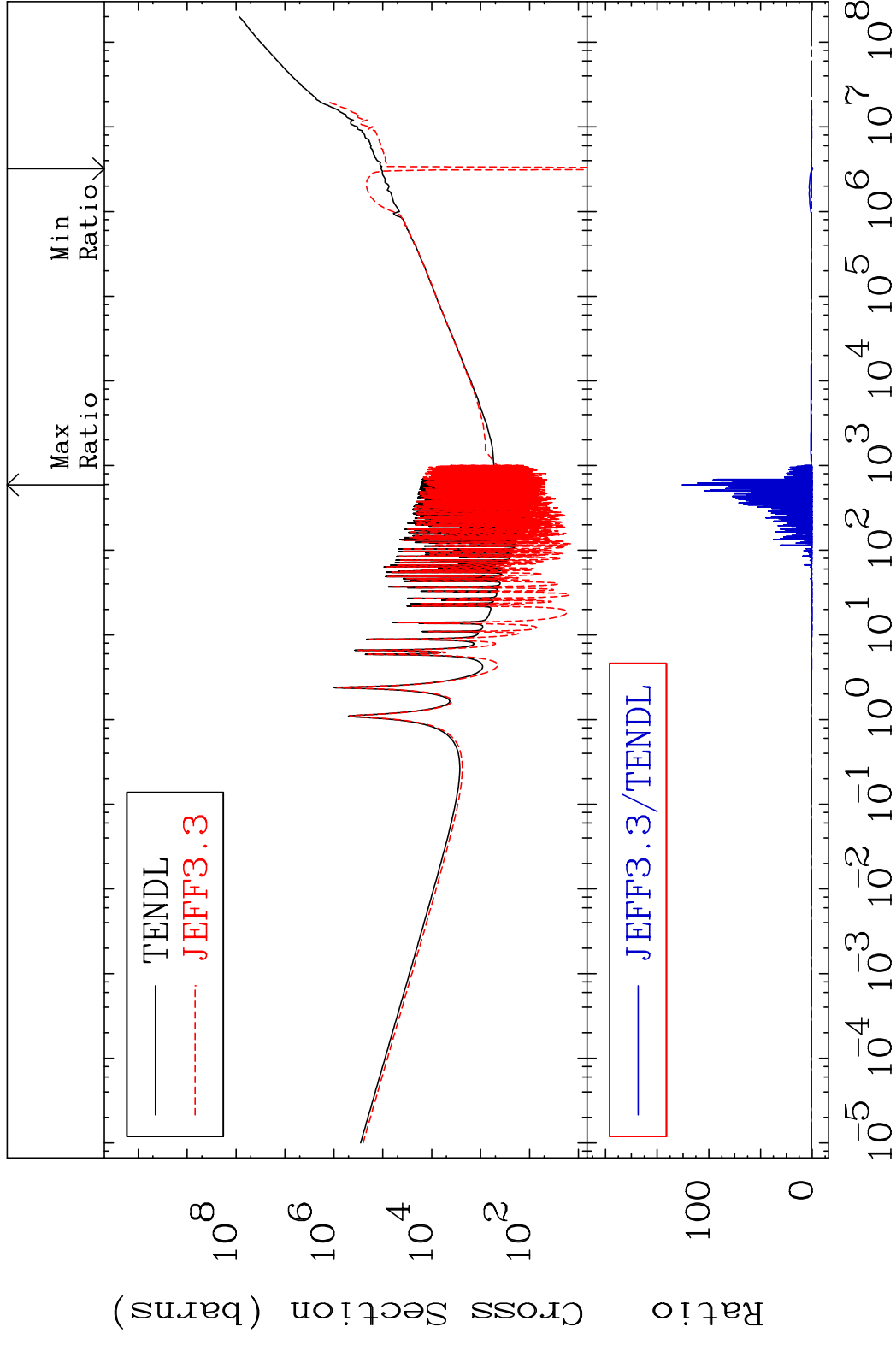
Cross Section -100.0 To 2.001 %



MAT 7234 He-4 Production 72-Hf-177  
 Cross Section -100.0 To 991.6 %



MAT 7234 Kerma total (eV-barns) 72-Hf-177  
 Cross Section -136.5 To 9999. %

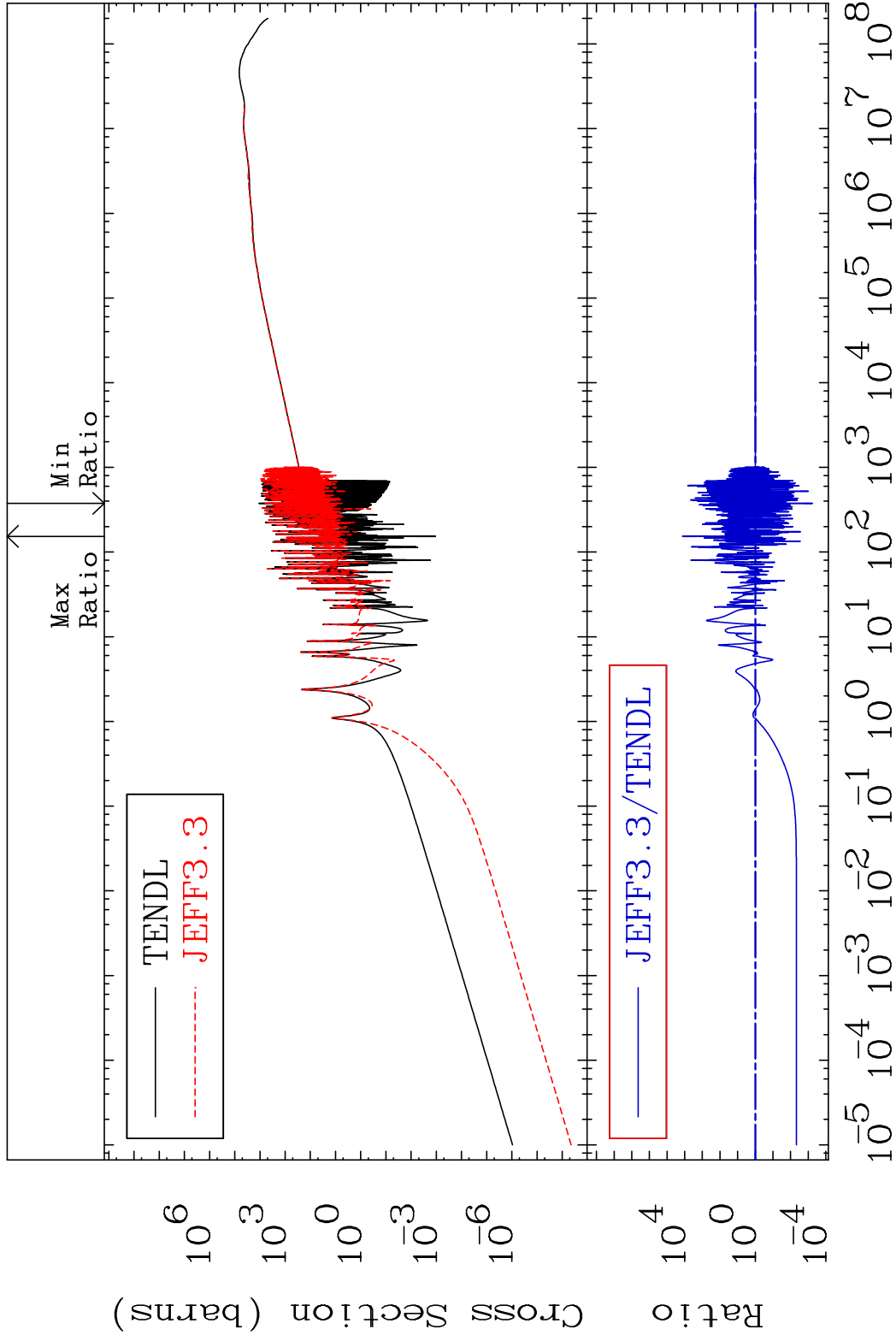


MAT 7234

Kerma elastic

72-Hf-177

Cross Section -99.94 To 9999. %

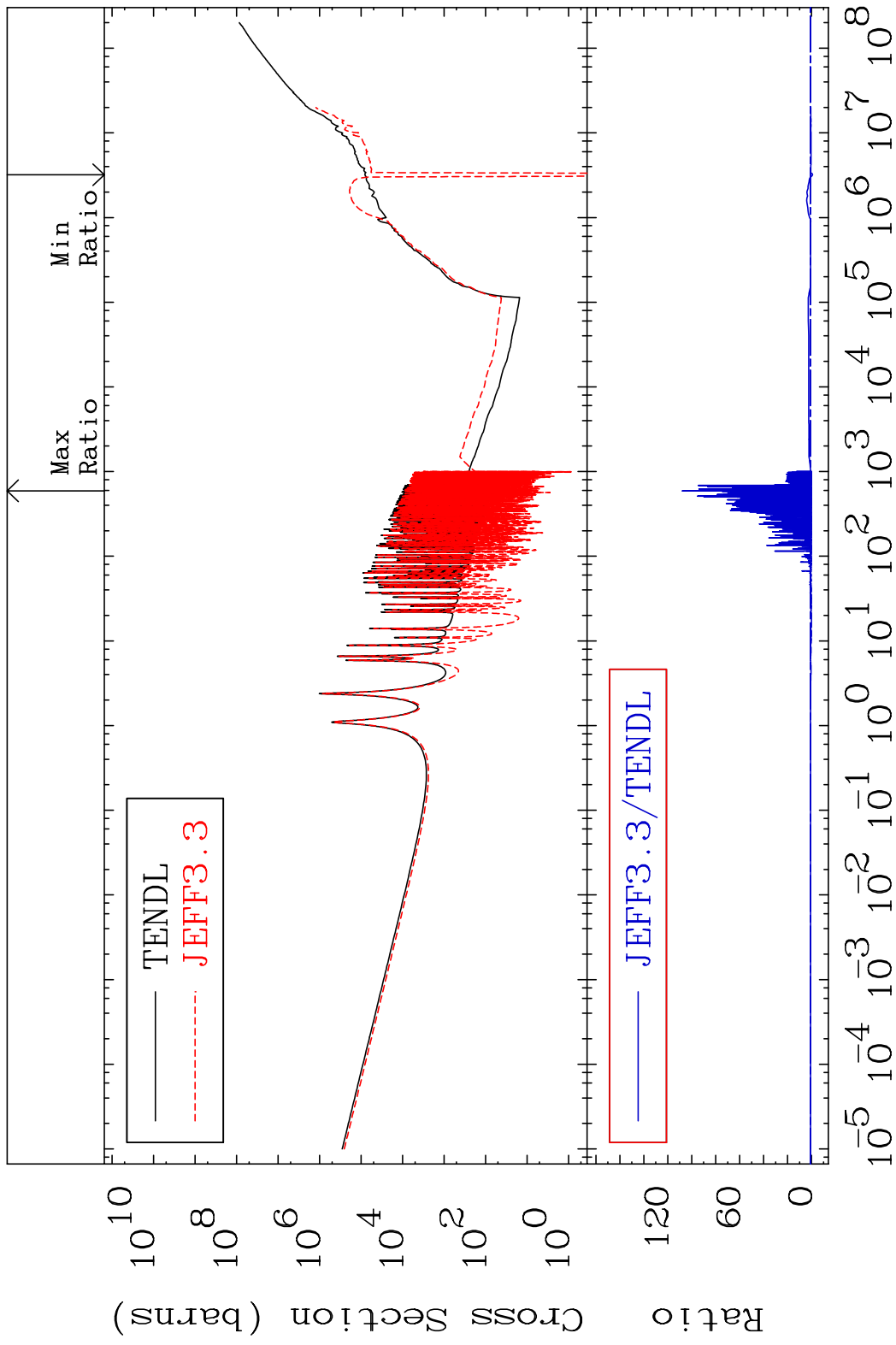


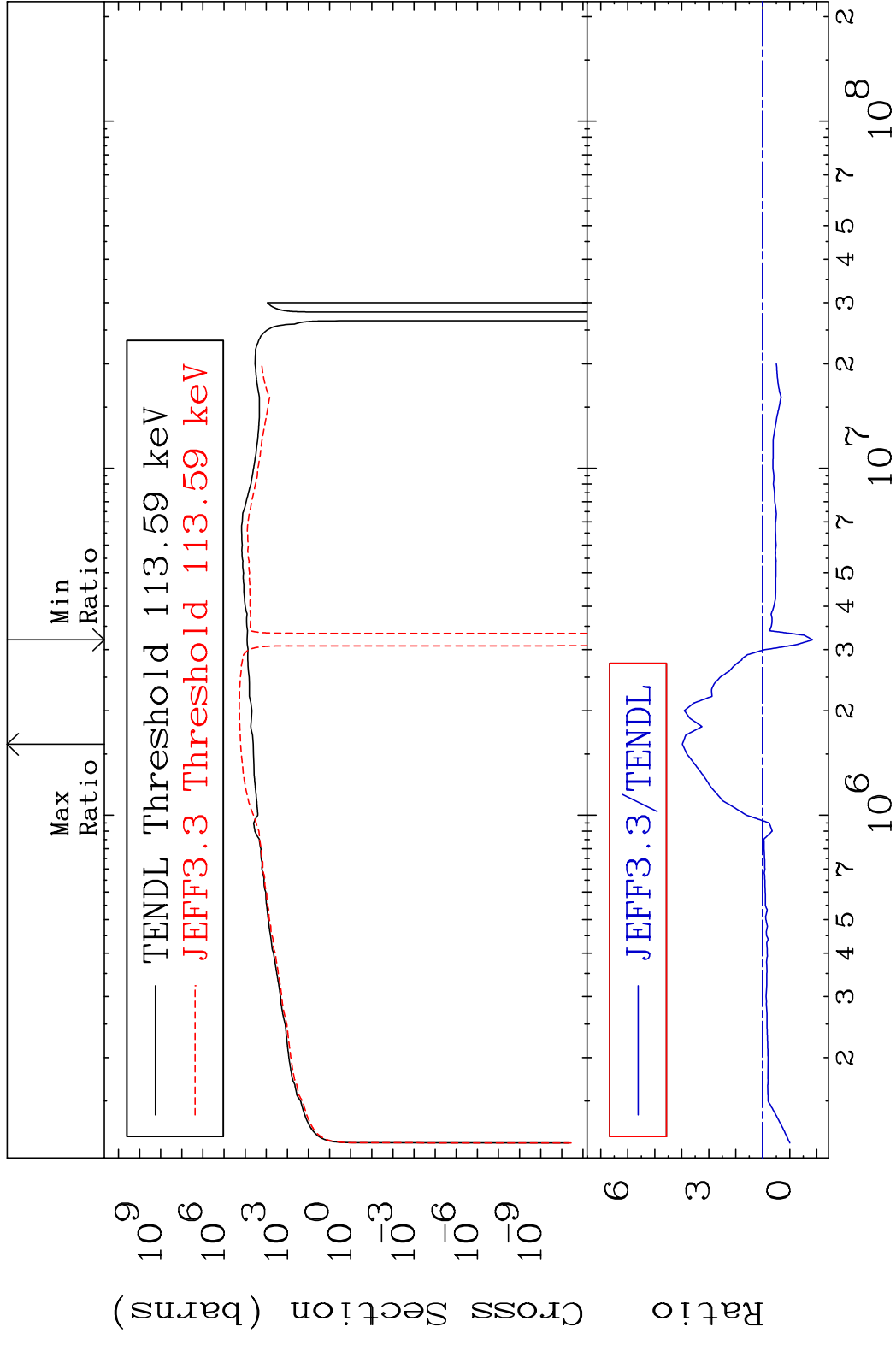
56

Incident Energy (eV)

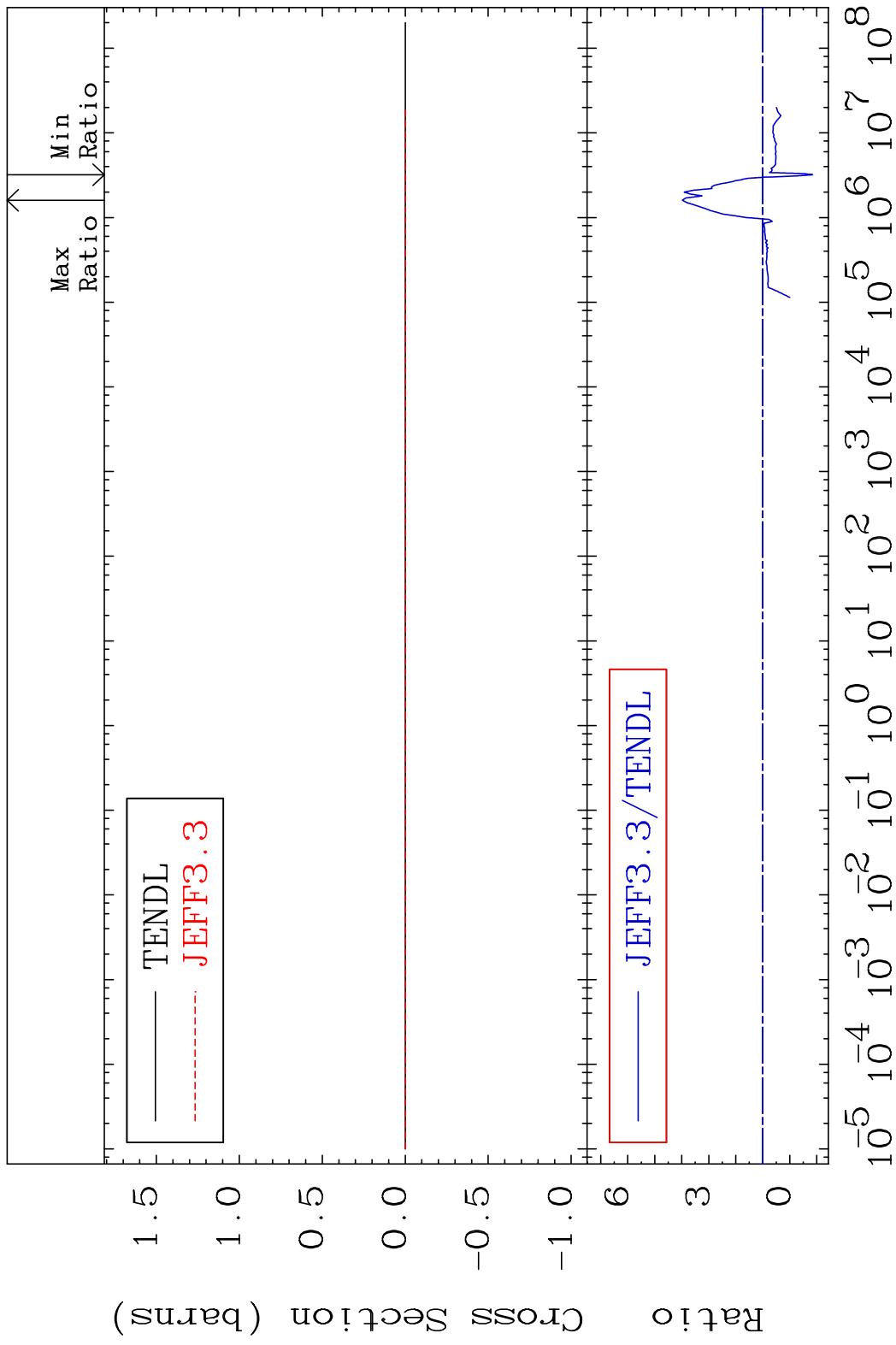
72-Hf-177

MAT 7234 Kerma non-elastic (all but mt2) 72-Hf-177  
 Cross Section -184.4 To 9999. %





MAT 7234 Kerma fission (mt18 or mt19-20-21-38)72-Hf-177  
 Cross Section -184.5 To 297.7 %

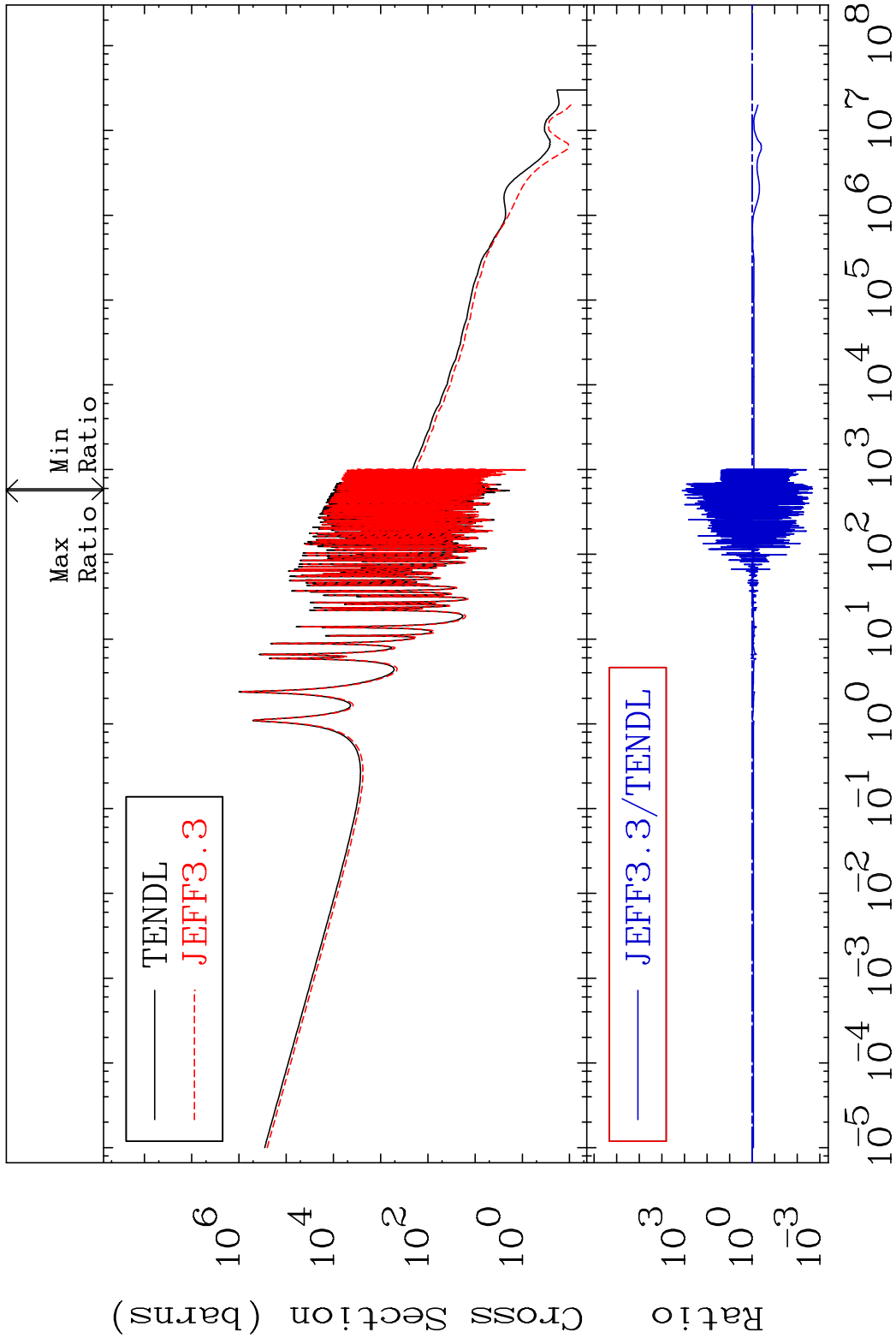


MAT 7234

Kerma capture (mt102)

72-Hf-177

Cross Section -99.79 To 9999. %



60

Incident Energy (eV)

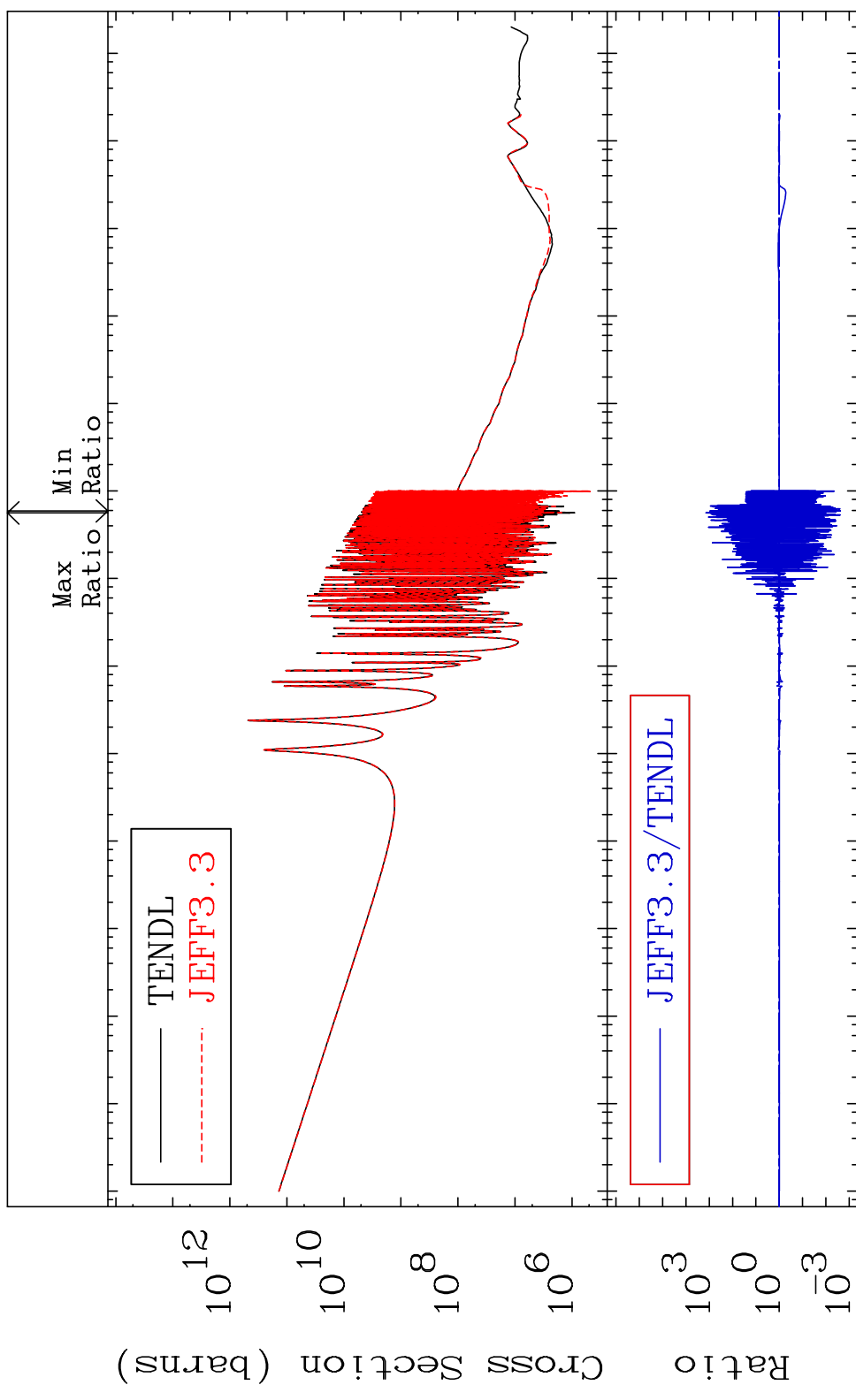
72-Hf-177

MAT 7234

Total photon (eV-barns)

72-Hf-177

Cross Section -99.76 To 9999. %

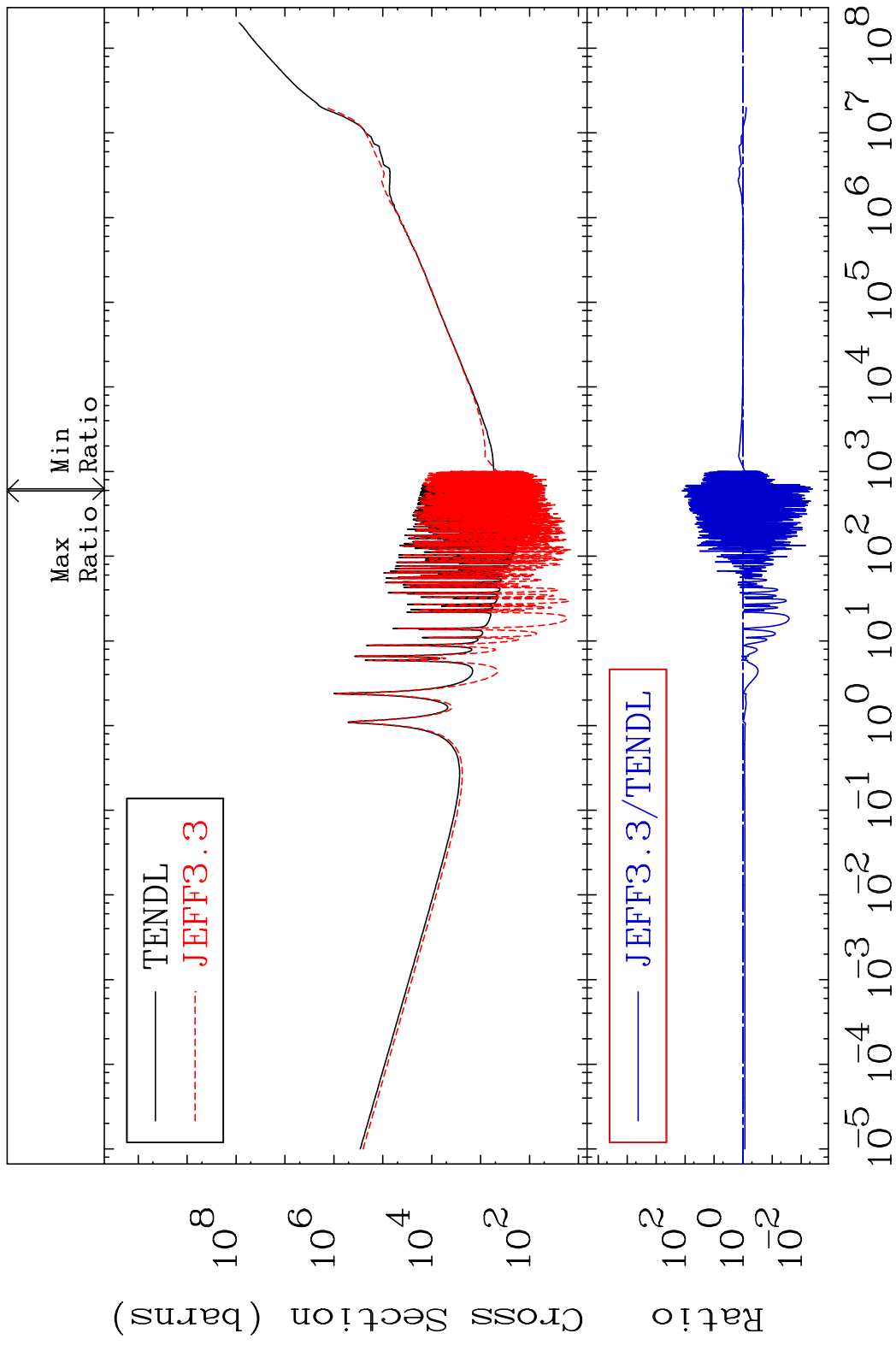


61

Incident Energy (eV)

72-Hf-177

MAT 7234 Total kinematic kerma (high limit) 72-Hf-177  
 Cross Section -99.60 To 9999. %

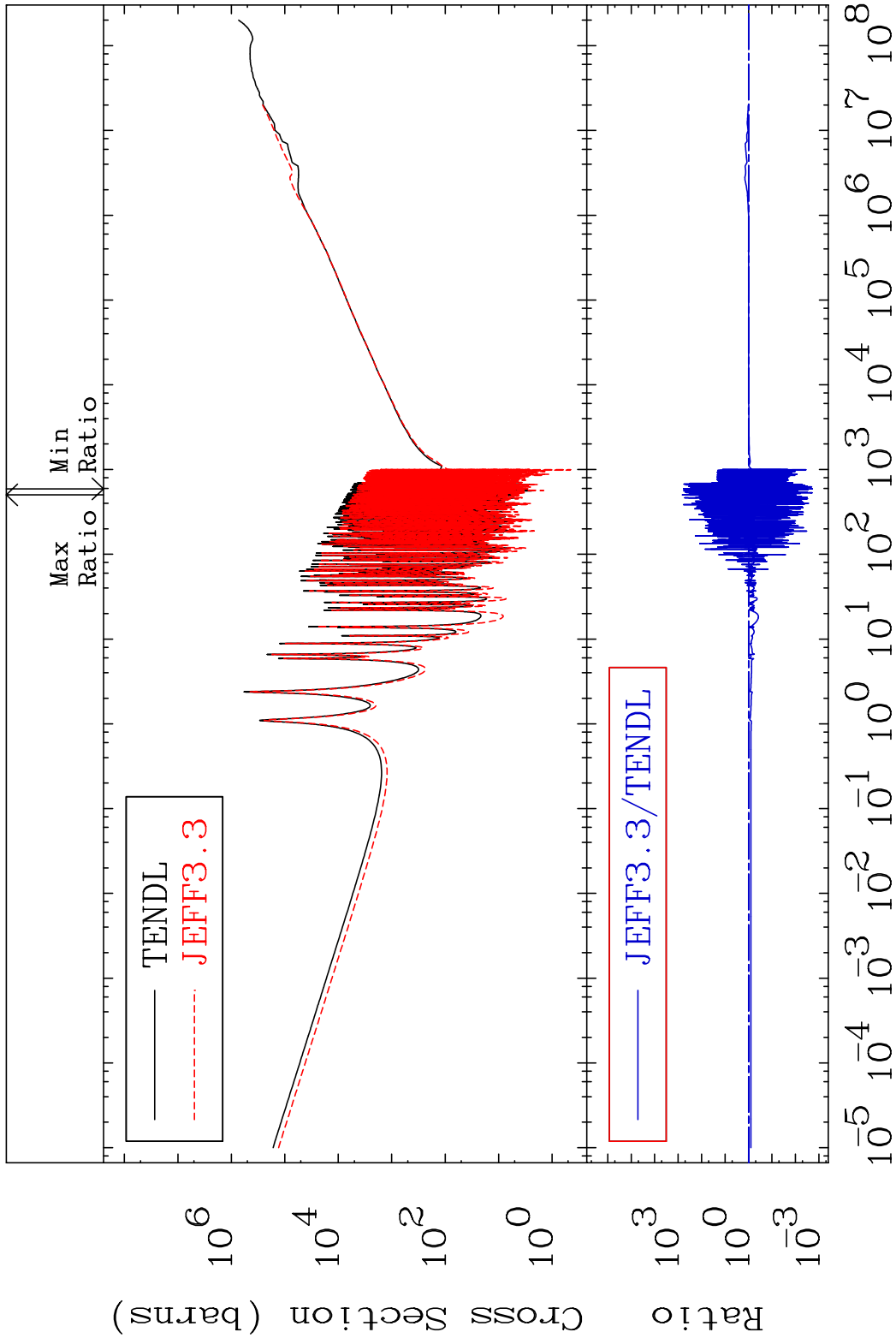


MAT 7234

Dpa total (eV-barns)

72-Hf-177

Cross Section -99.81 To 9999. %



63

Incident Energy (eV)

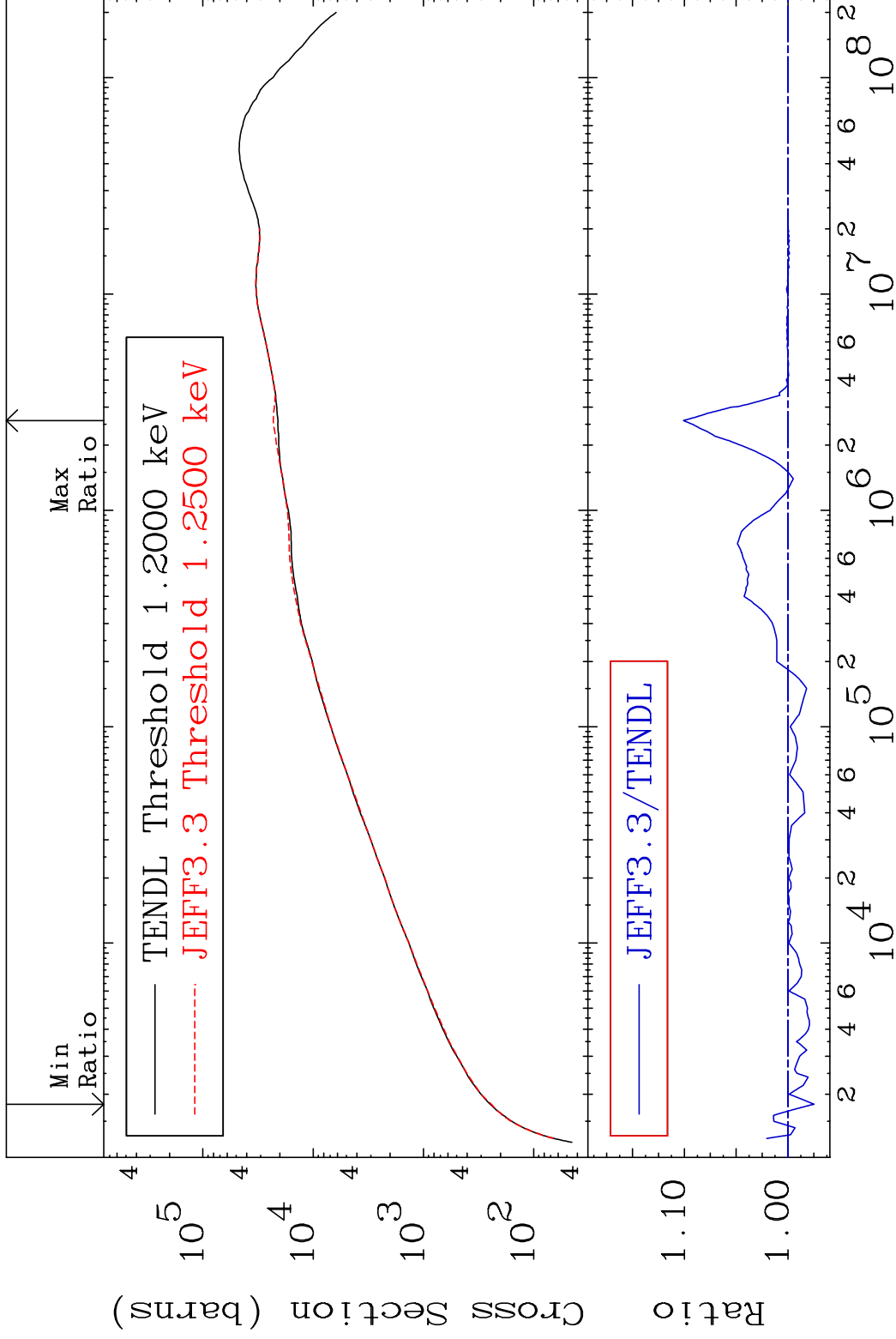
72-Hf-177

MAT 7234

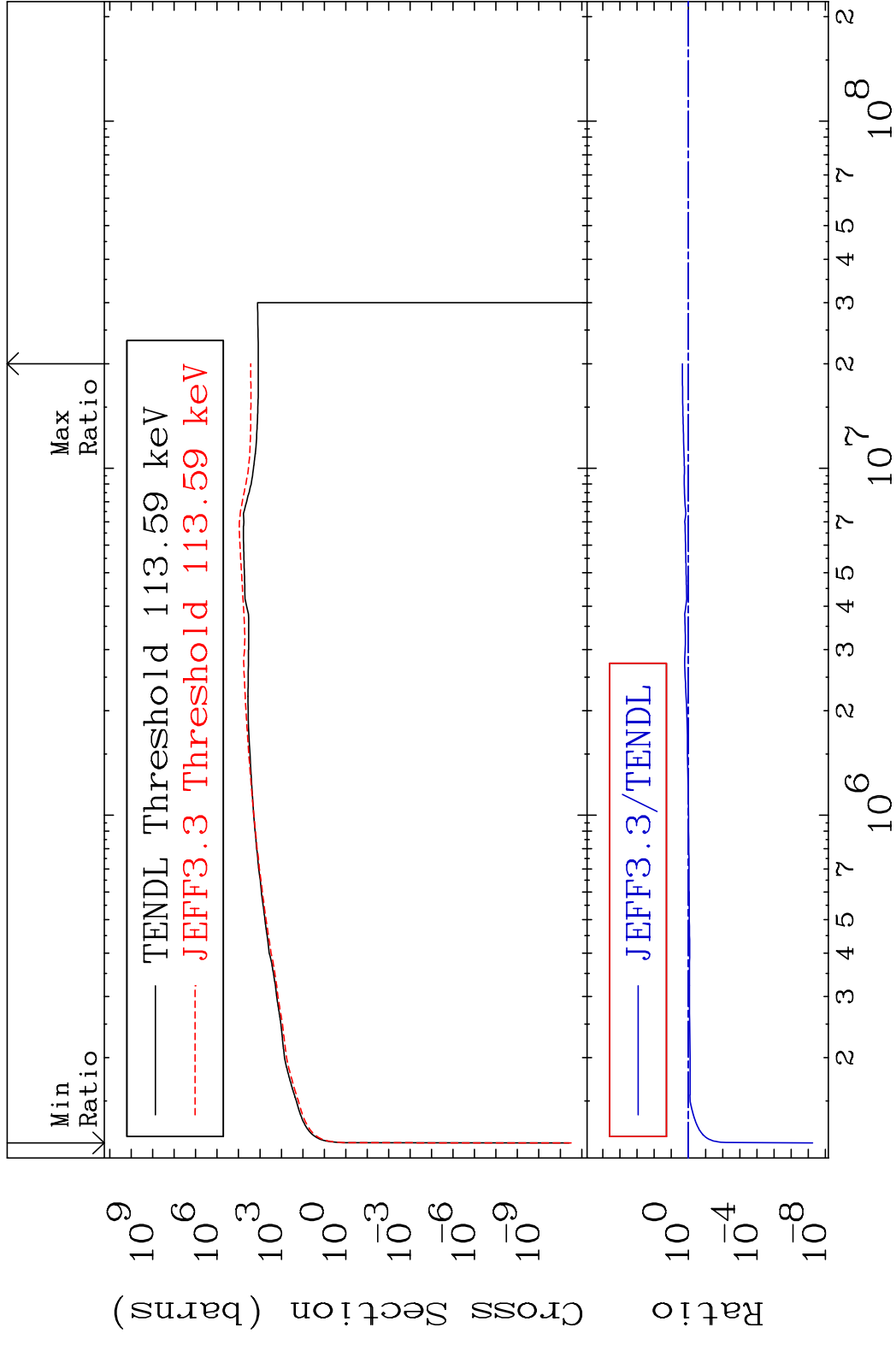
Dpa elastic (mt2)

72-Hf-177

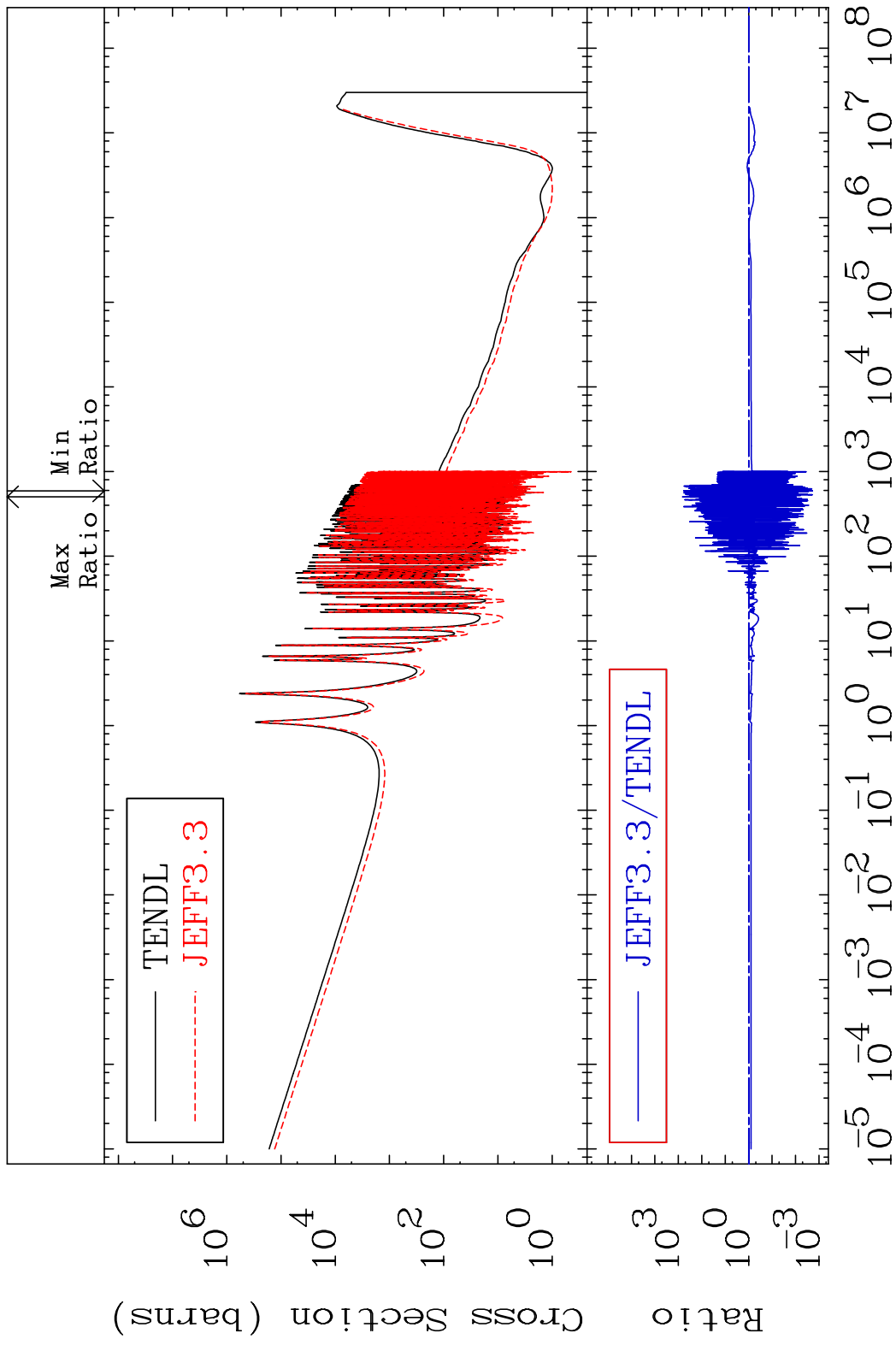
Cross Section -2.516 To 10.09 %

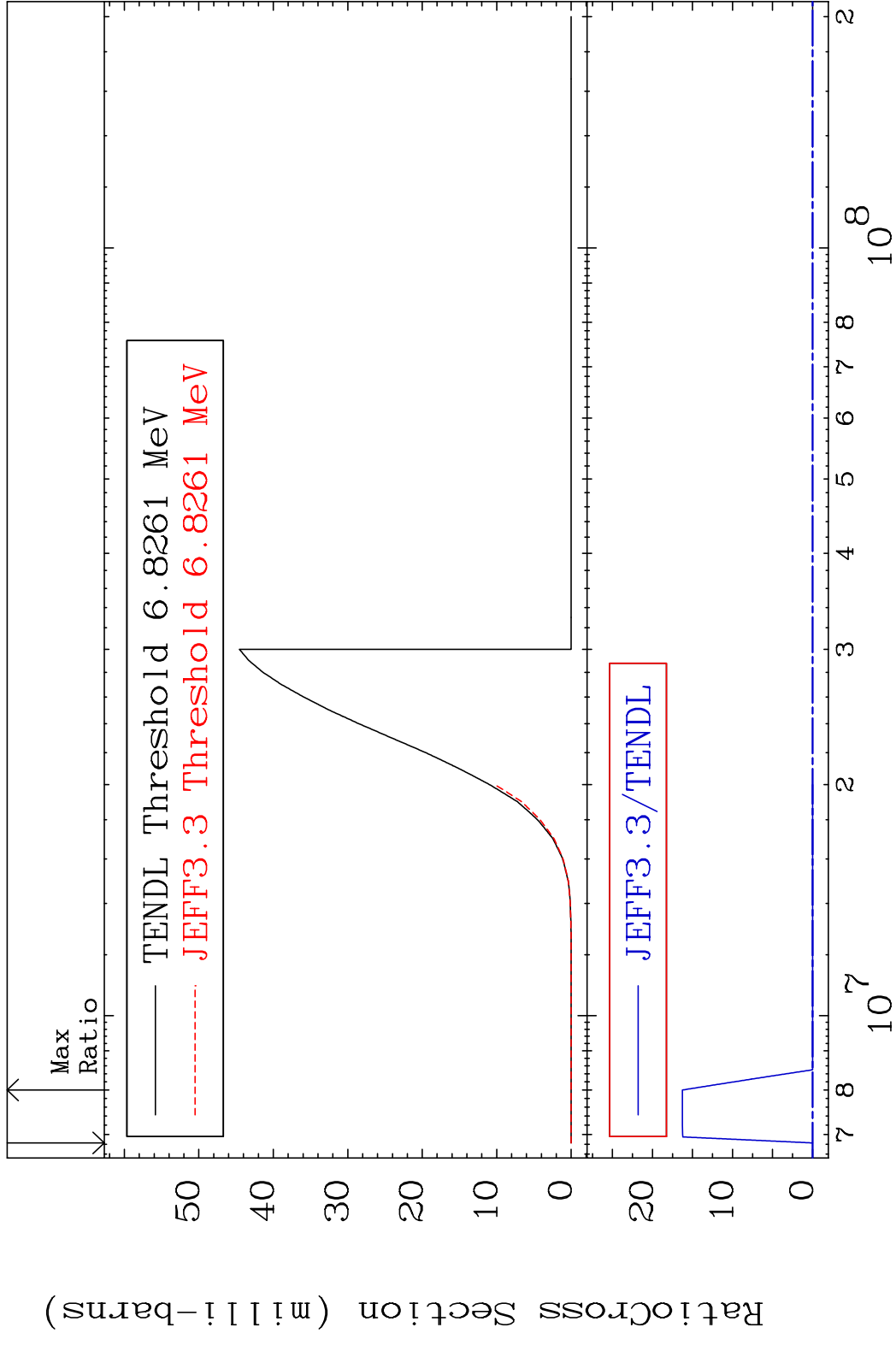


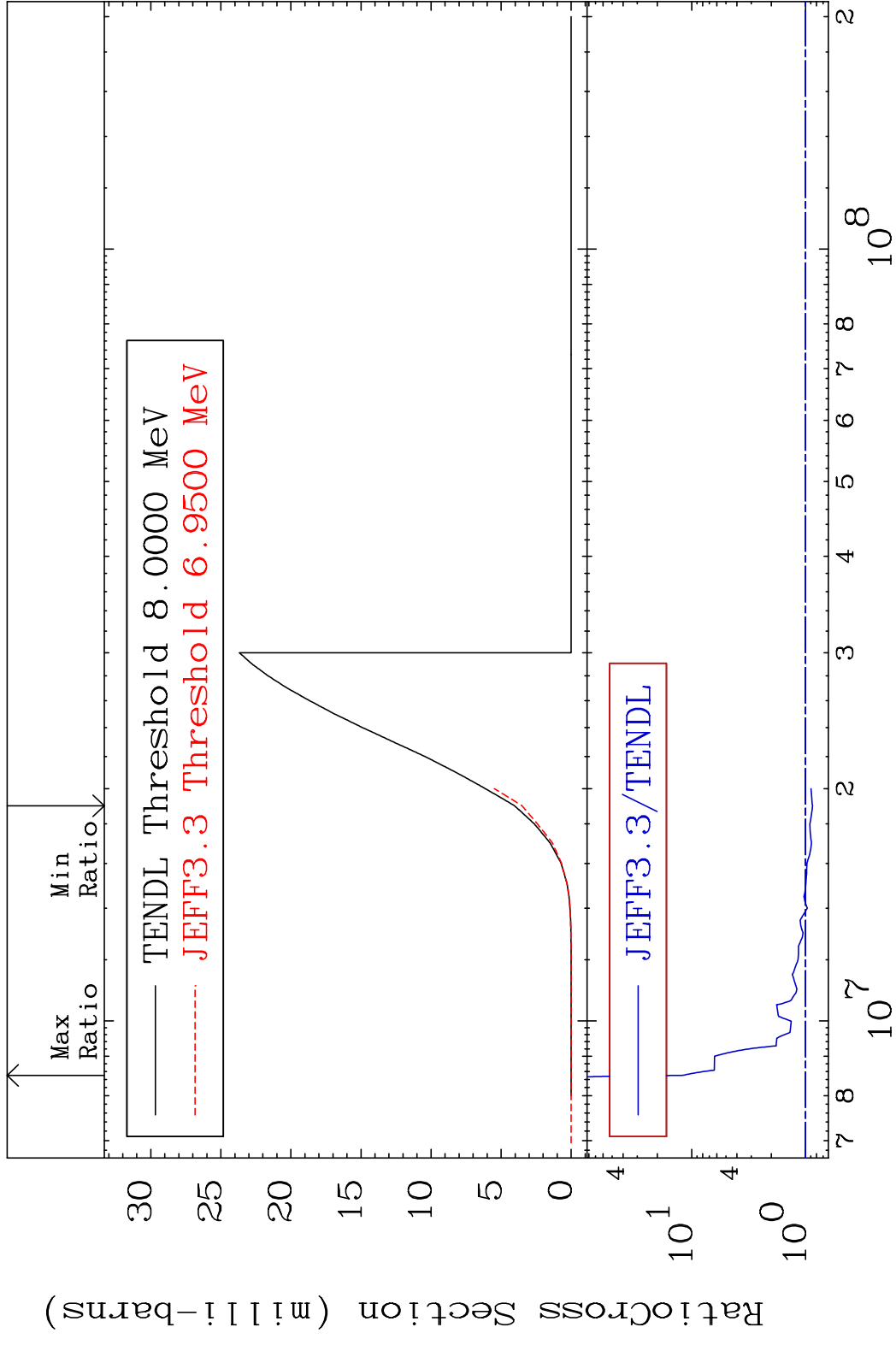
MAT 7234      Dpa inelastic (mt51-91)      72-Hf-177  
 Cross Section      -100.0 To 125.6 %

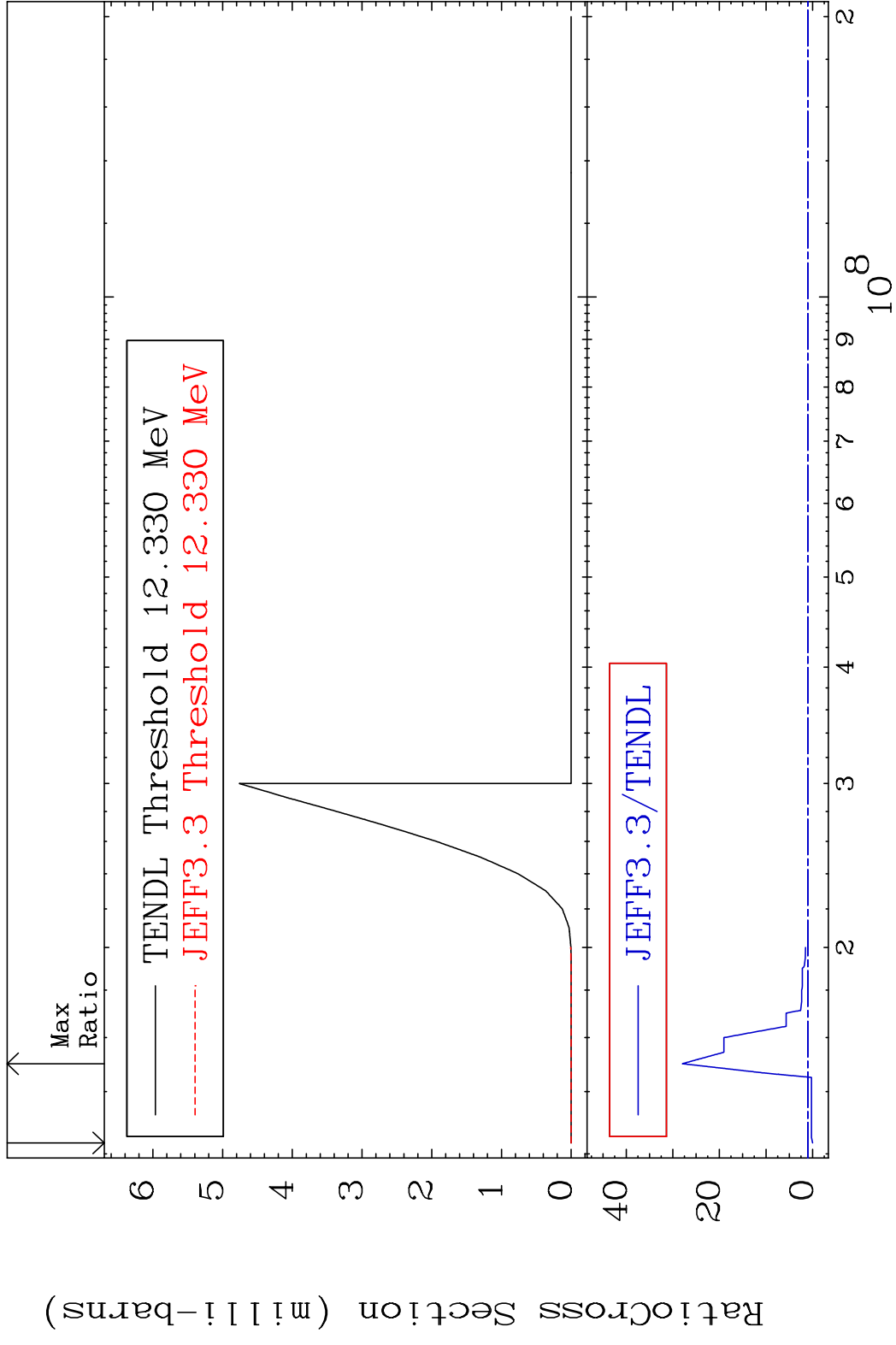


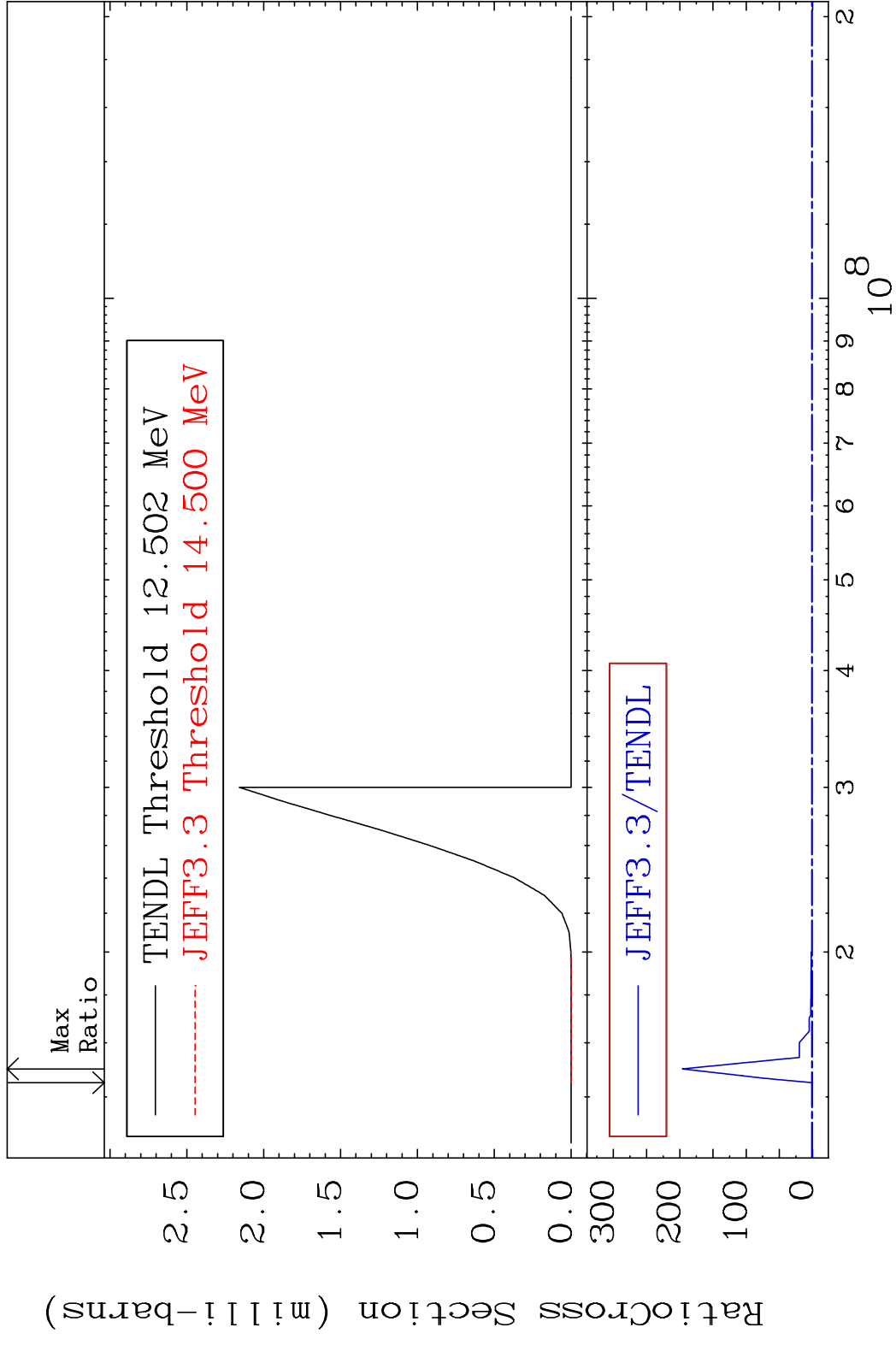
MAT 7234 Dpa disappearance (mt102 -120) 72-Hf-177  
 Cross Section -99.81 To 9999. %



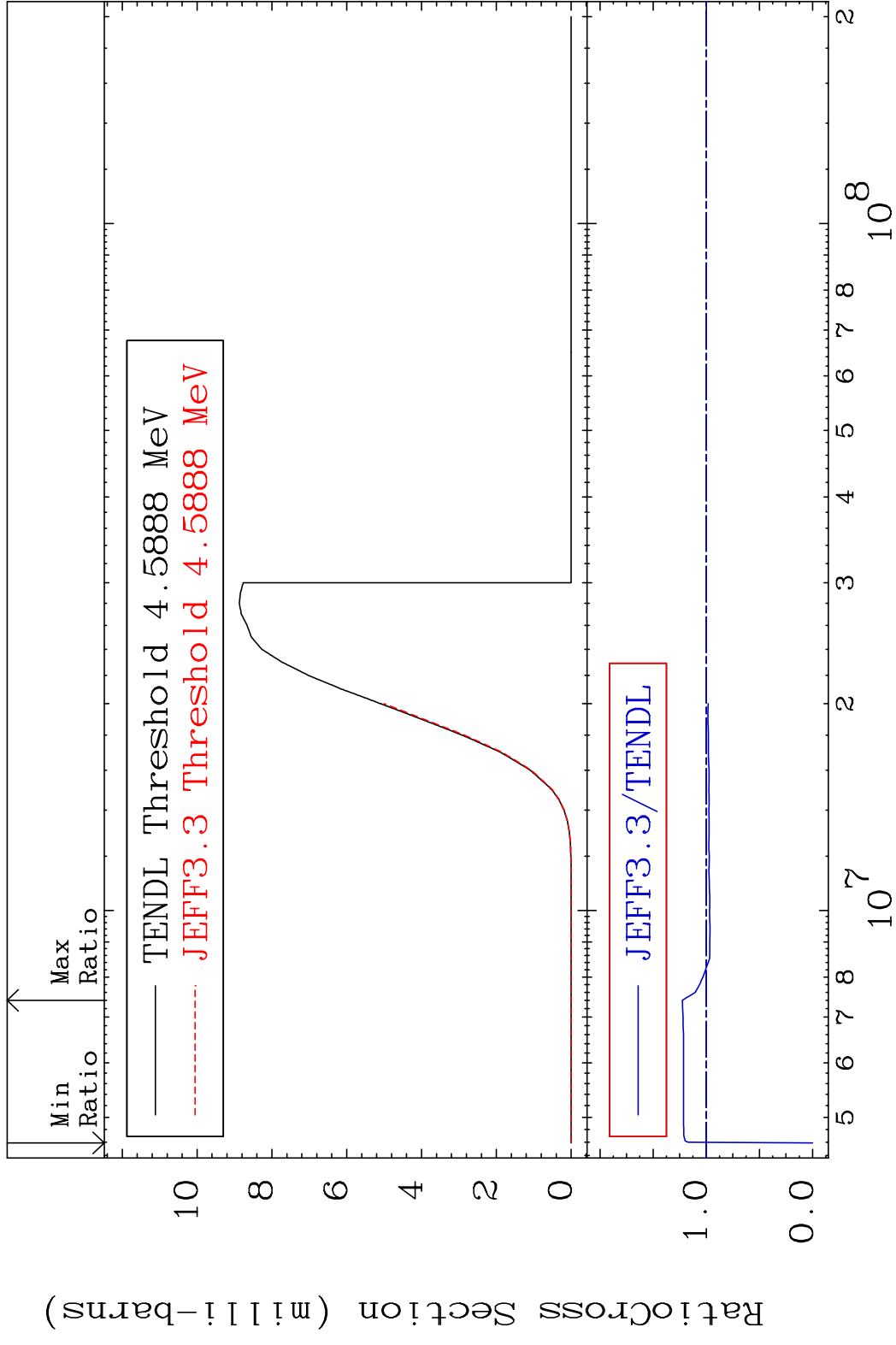








MAT 7234 (n, d):71-Lu-176g 72-Hf-177  
 Radionuclide Production Cross Section Ratio 22.49 %



MAT 7234 (n, d): 71-Lu-176m1 72-Hf-177  
 Radionuclide Production Cross Section 55.401 d10 22.25 %

