

Program Complot
(Version 2021-1)

by

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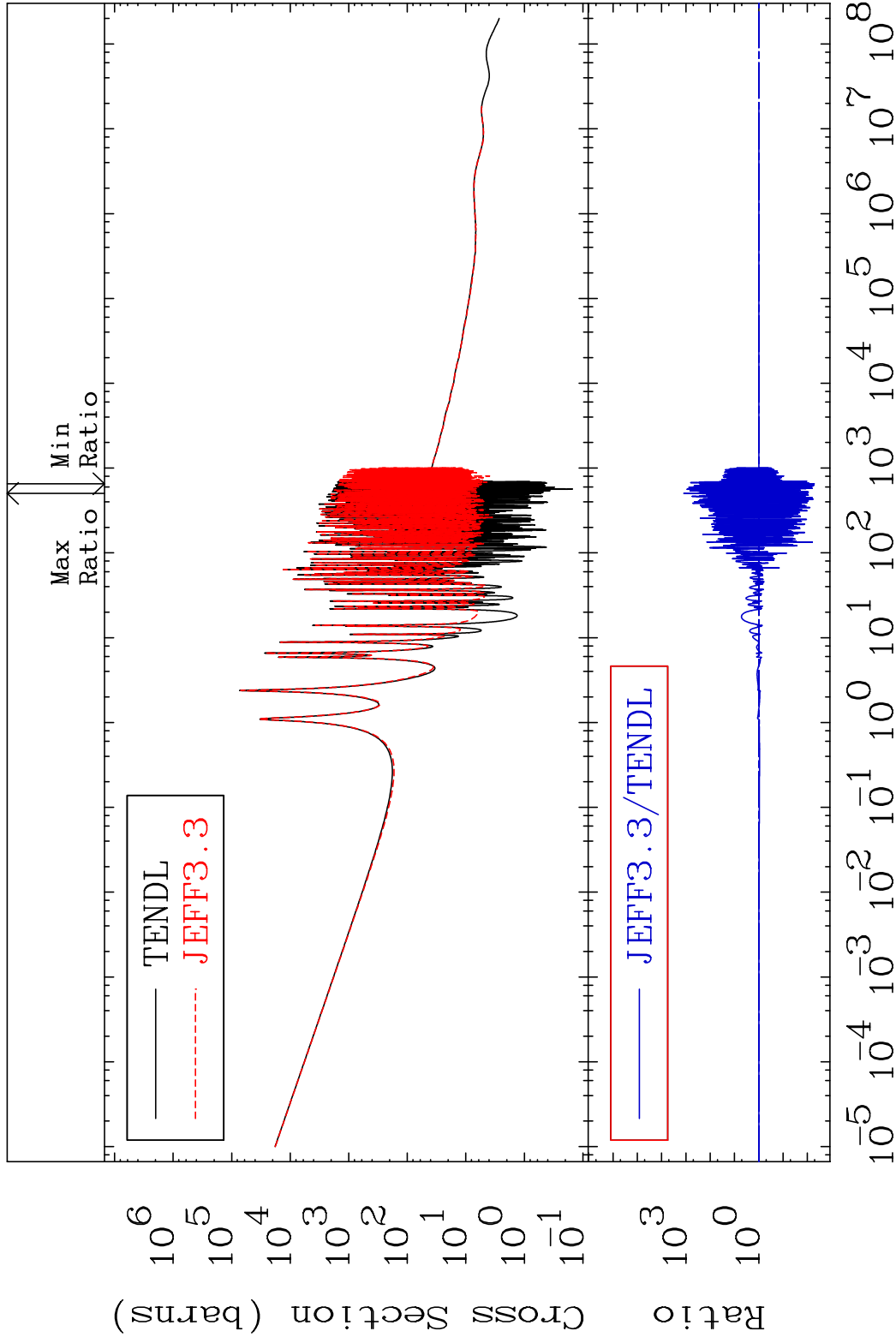
Press Mouse Button to Start

MAT 7234

Total

72-Hf-177

Cross Section -99.47 To 9999. %



1

Incident Energy (eV)

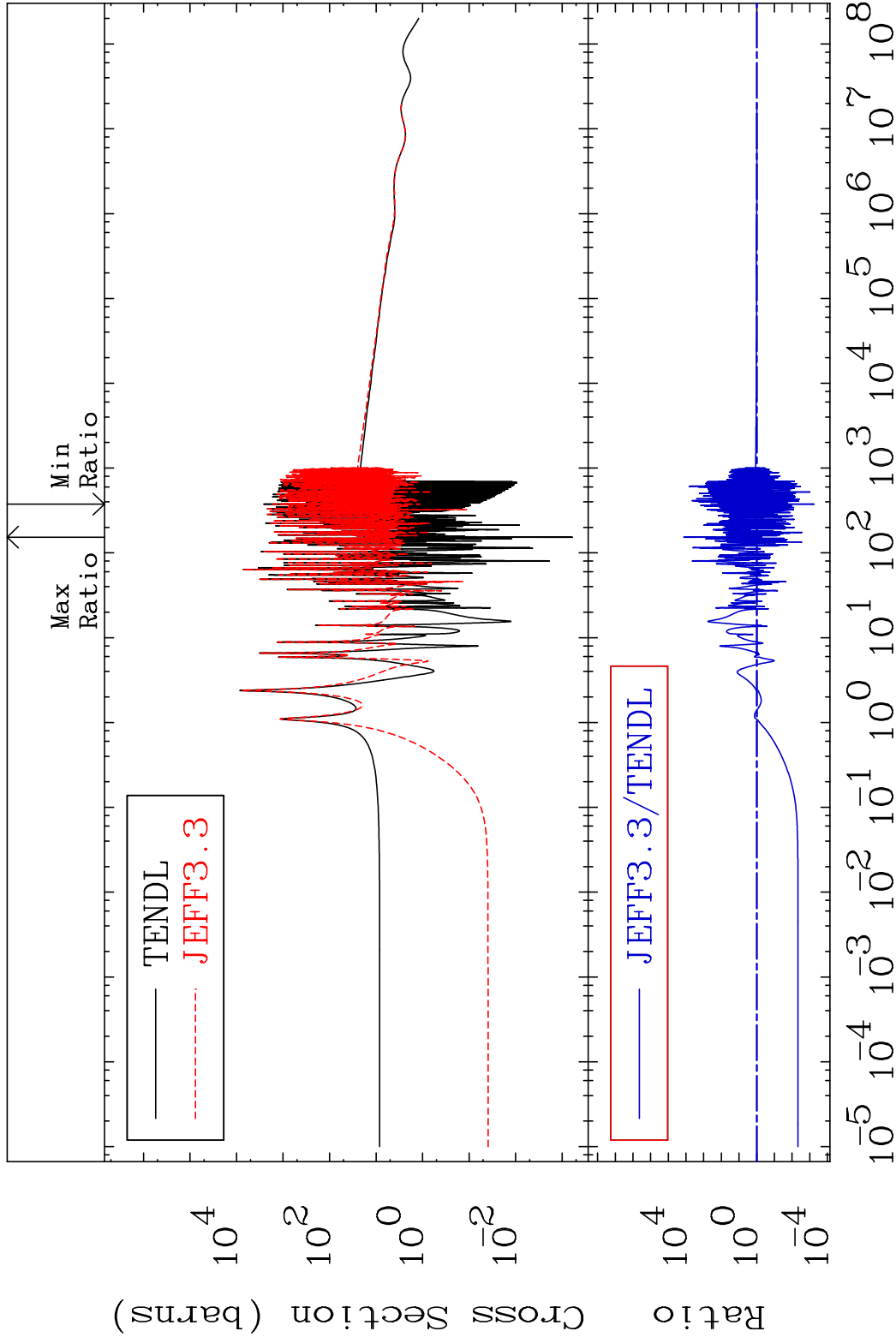
72-Hf-177

MAT 7234

Elastic

72-Hf-177

Cross Section -99.94 To 9999. %



2

Incident Energy (eV)

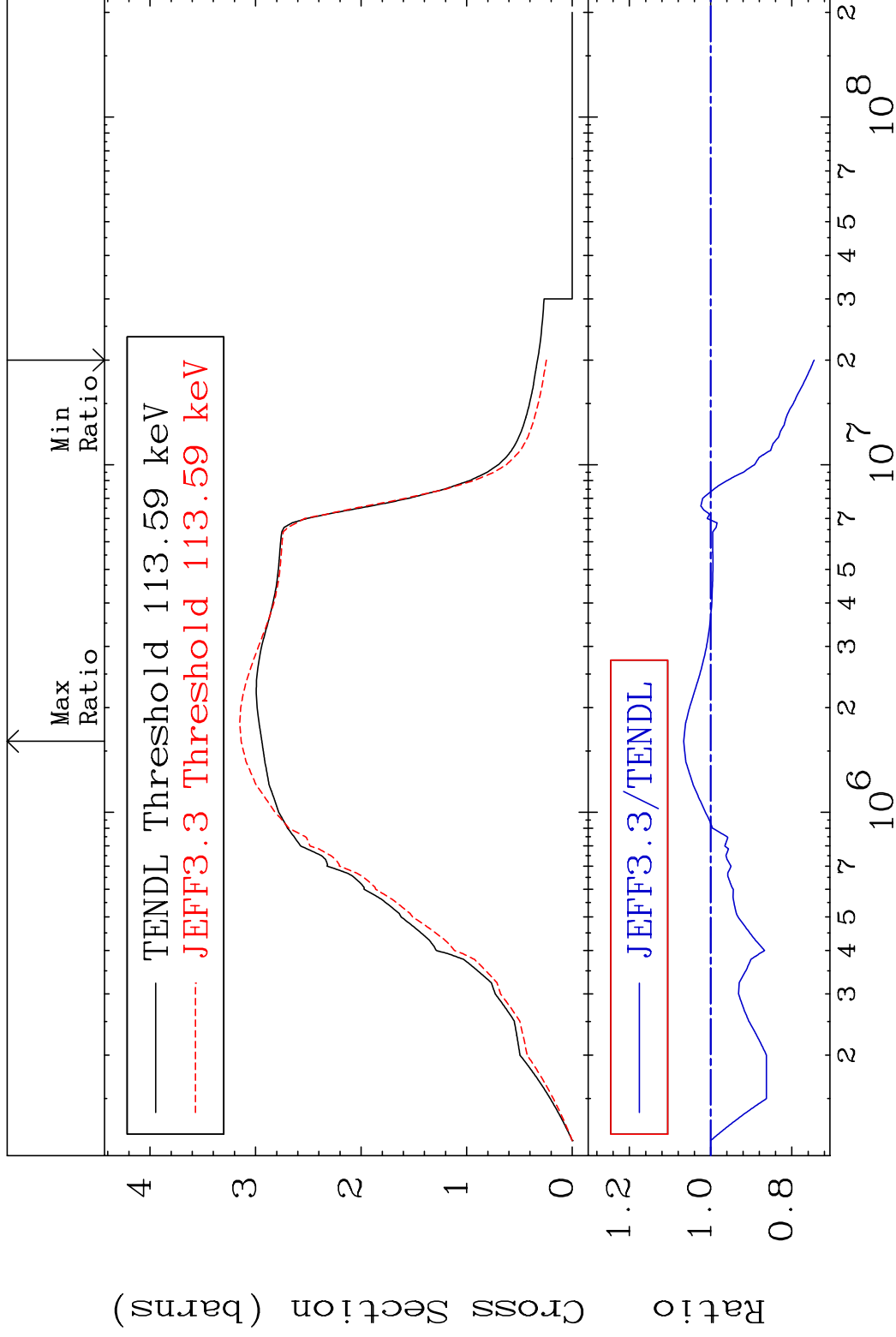
72-Hf-177

MAT 7234

Inelastic

72-Hf-177

Cross Section -25.47 To 6.646 %



3

Incident Energy (eV)

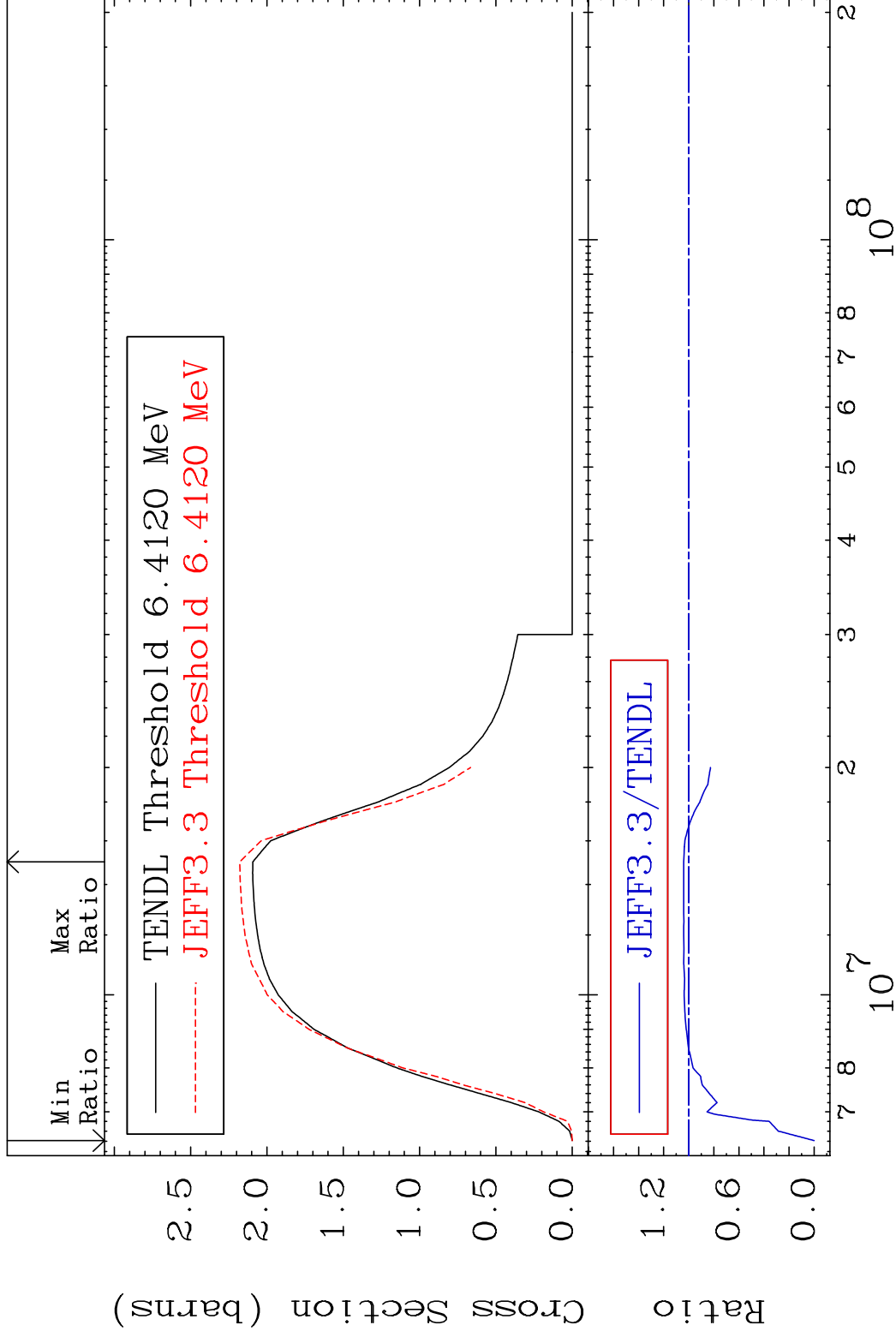
72-Hf-177

MAT 7234

(n,2n)

72-Hf-177

Cross Section -100.0 To 4.063 %



4

Incident Energy (eV)

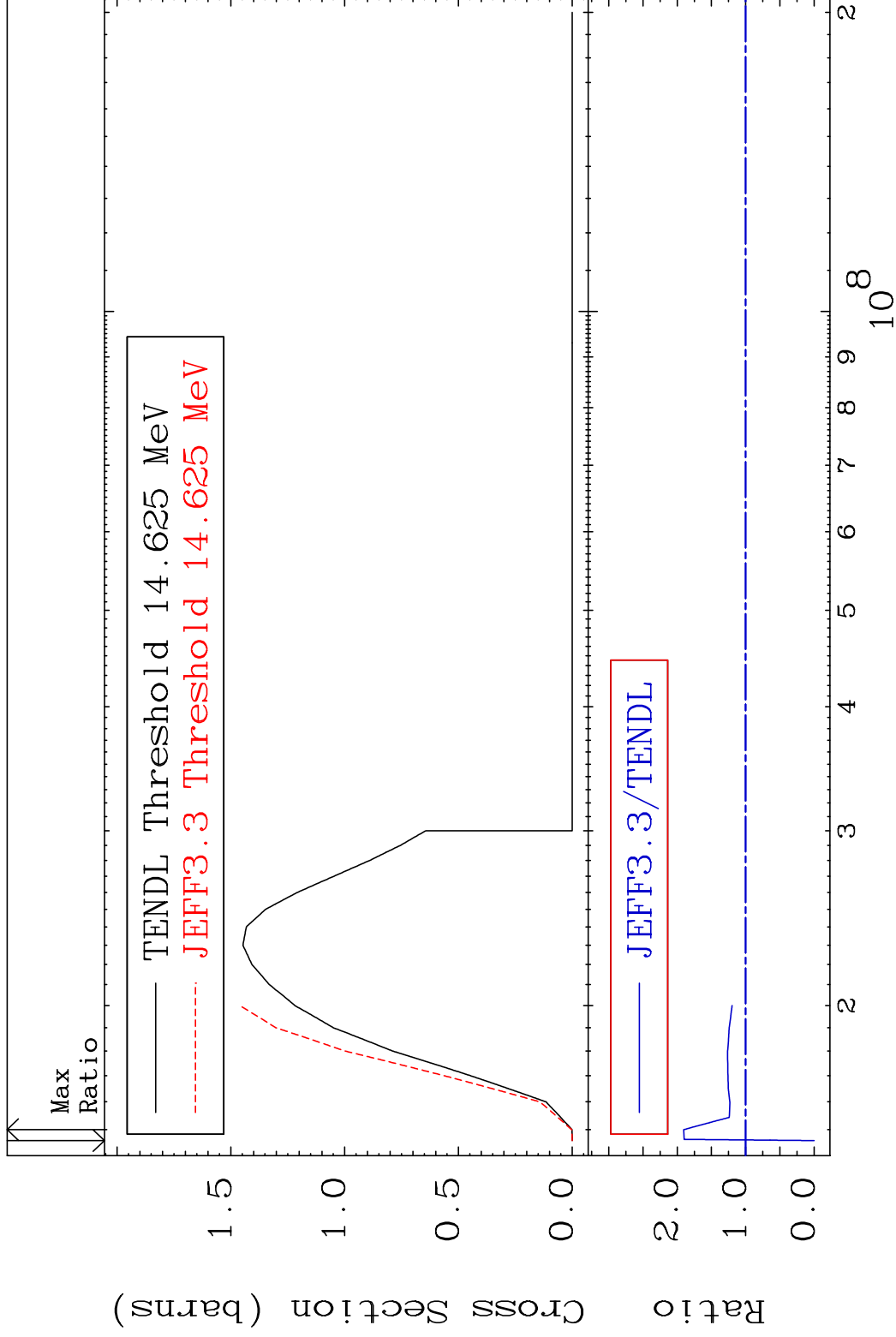
72-Hf-177

MAT 7234

(n,3n)

72-Hf-177

Cross Section -100.0 To 90.59 %



5

Incident Energy (eV)

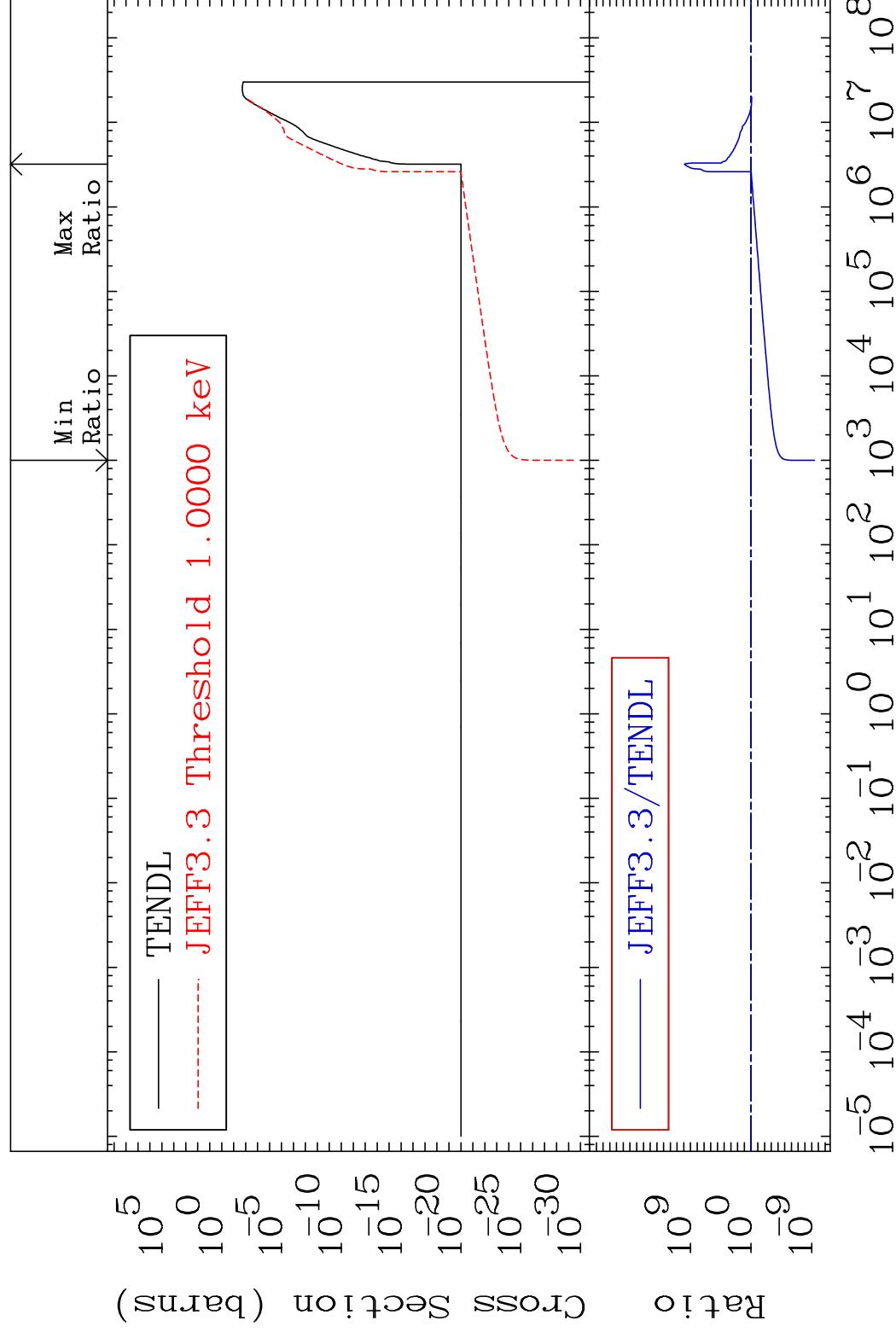
72-Hf-177

MAT 7234

(n, n') α

72-Hf-177

Cross Section -100.0 To 9999. %

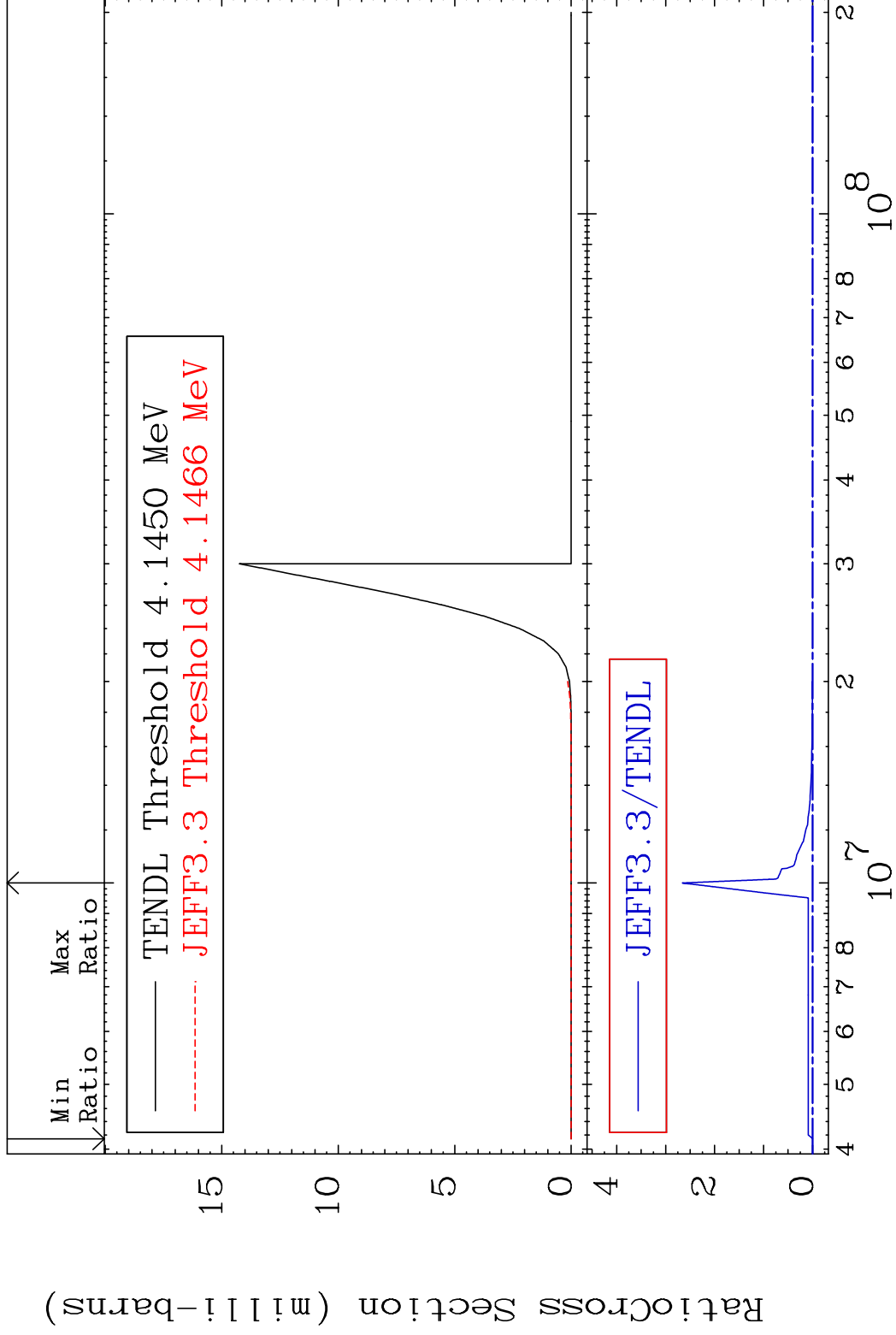


MAT 7234

(n,2n) α

72-Hf-177

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

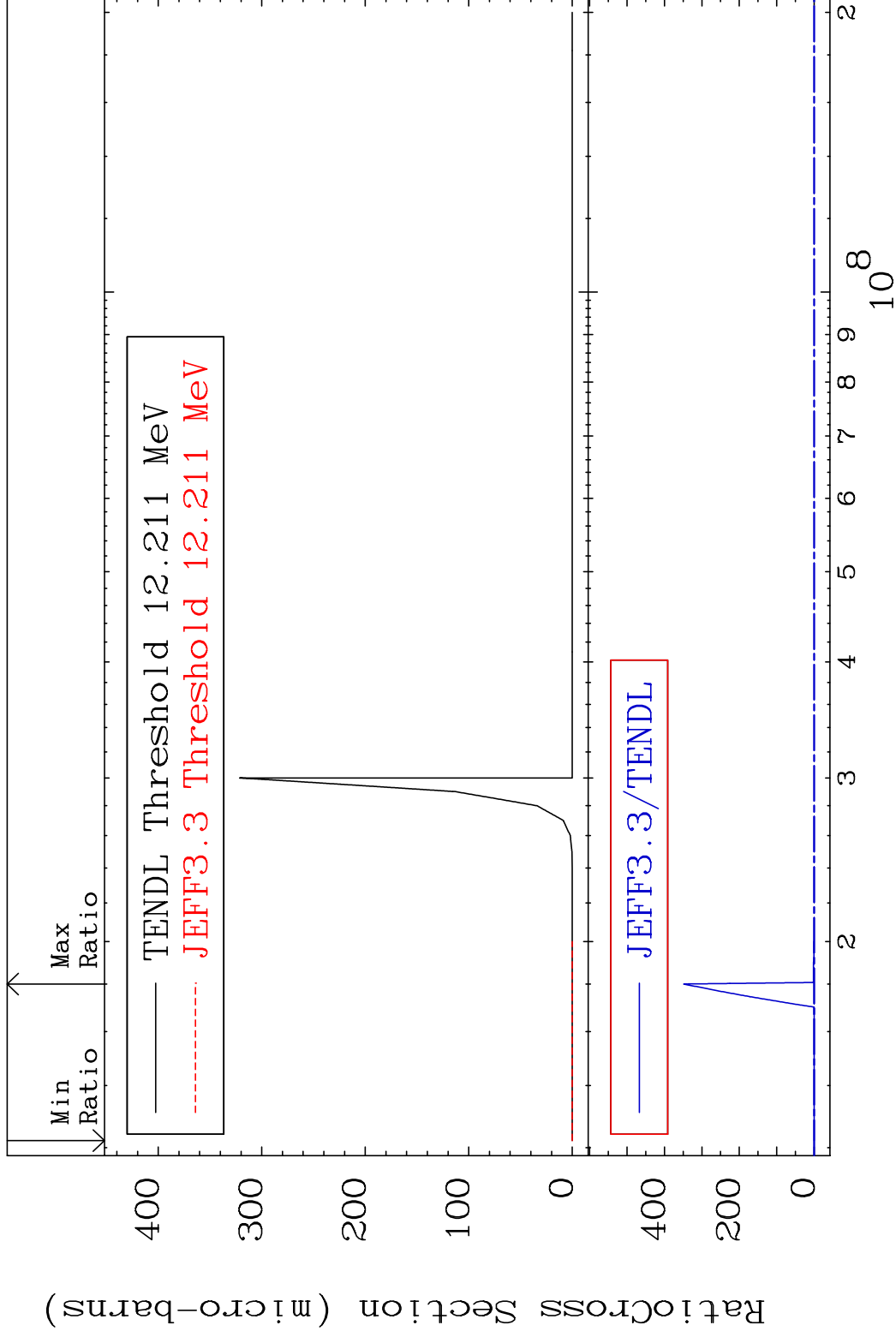
72-Hf-177

MAT 7234

(n,3n) α

72-Hf-177

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

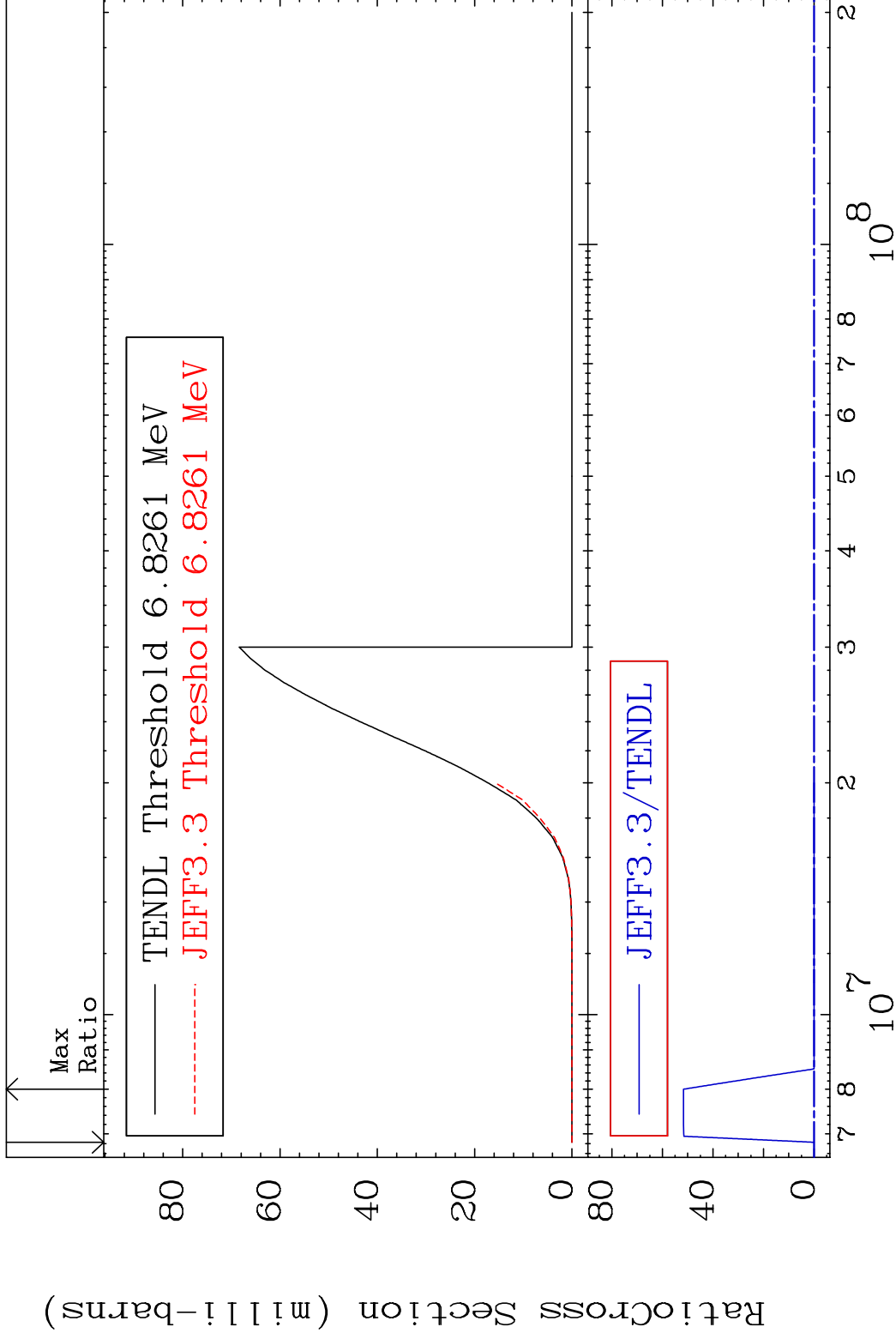
72-Hf-177

MAT 7234

(n, n') p

72-Hf-177

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

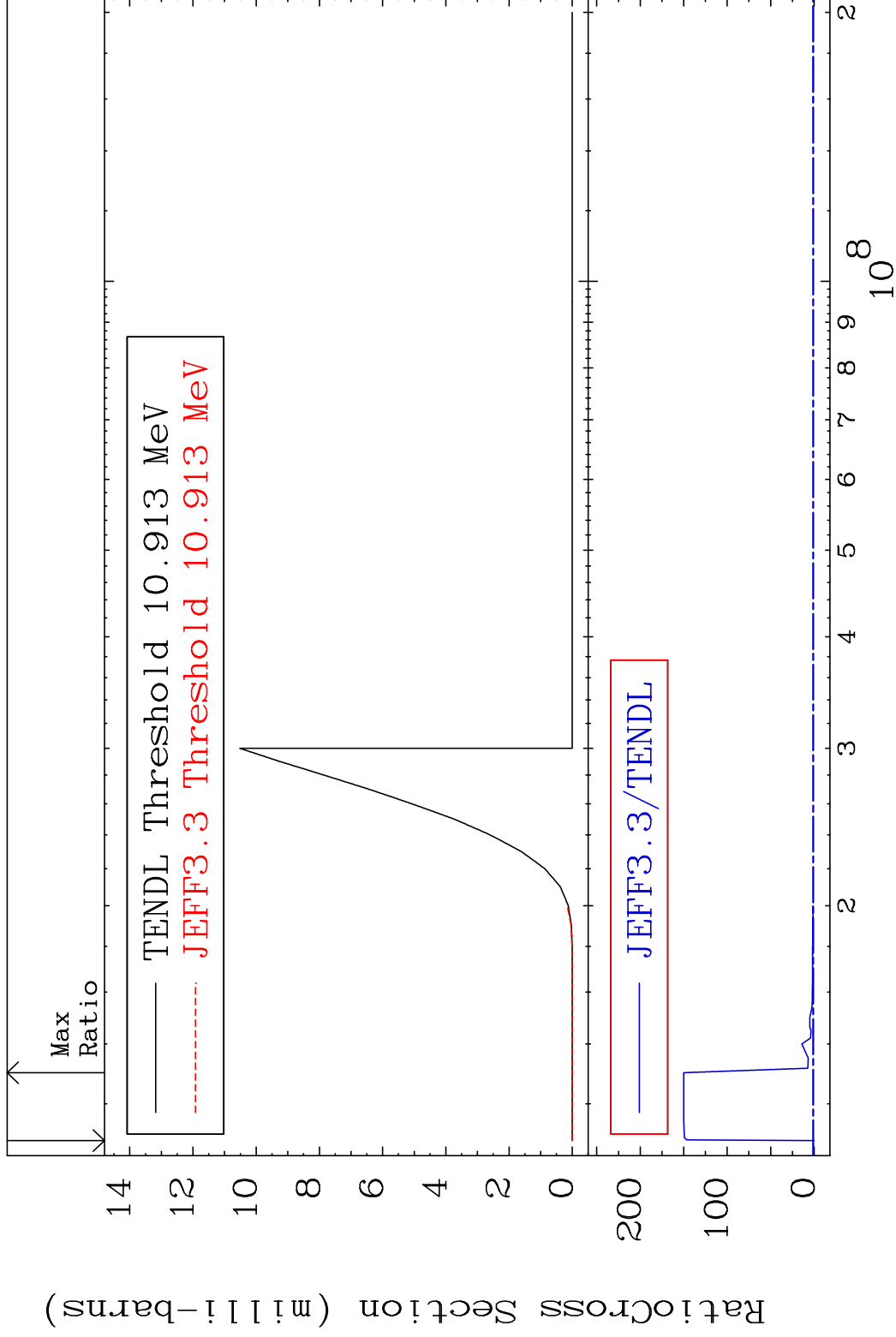
72-Hf-177

MAT 7234

(n, n') d

72-Hf-177

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

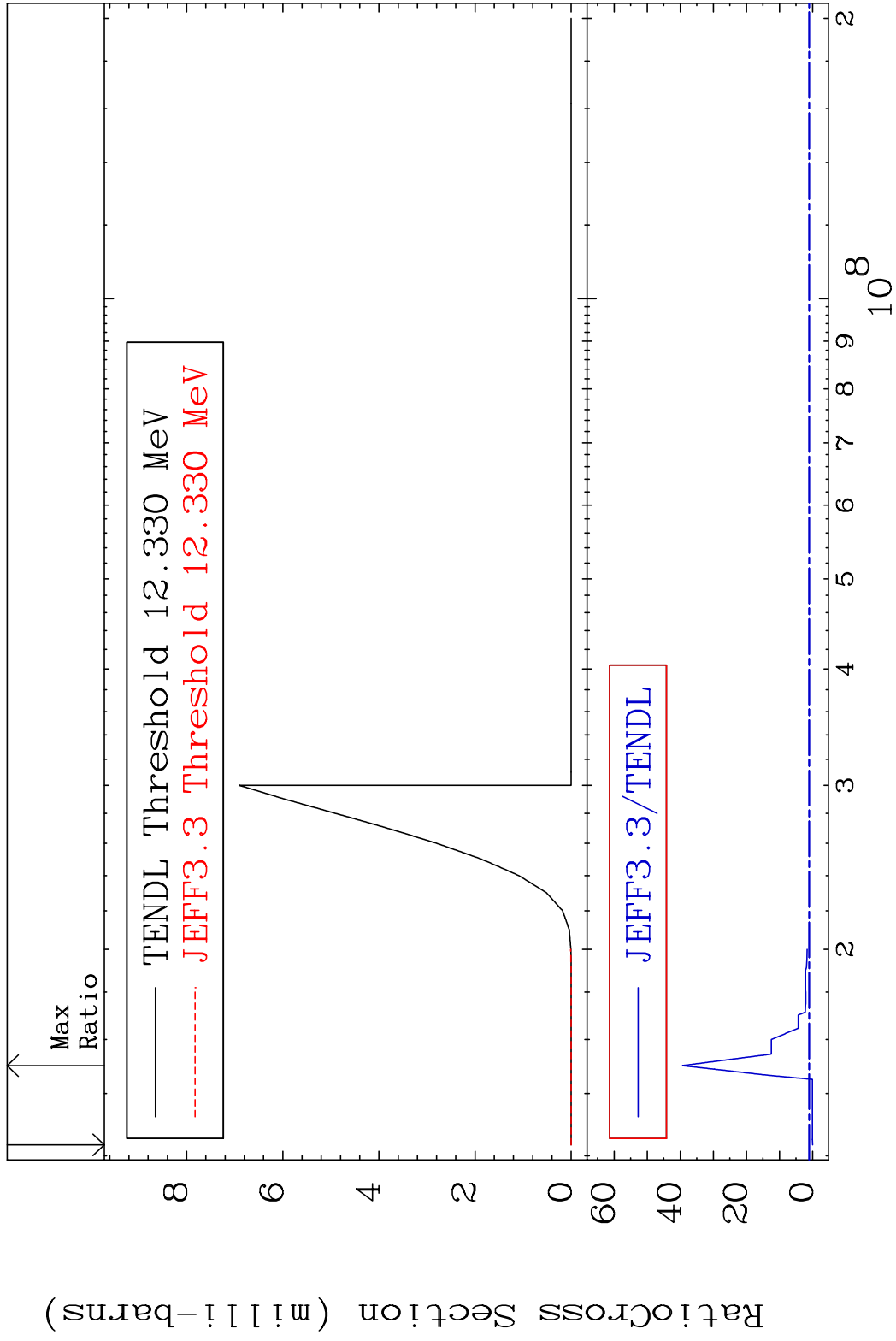
72-Hf-177

MAT 7234

(n, n') t

72-Hf-177

Cross Section -100.0 To 3838. %

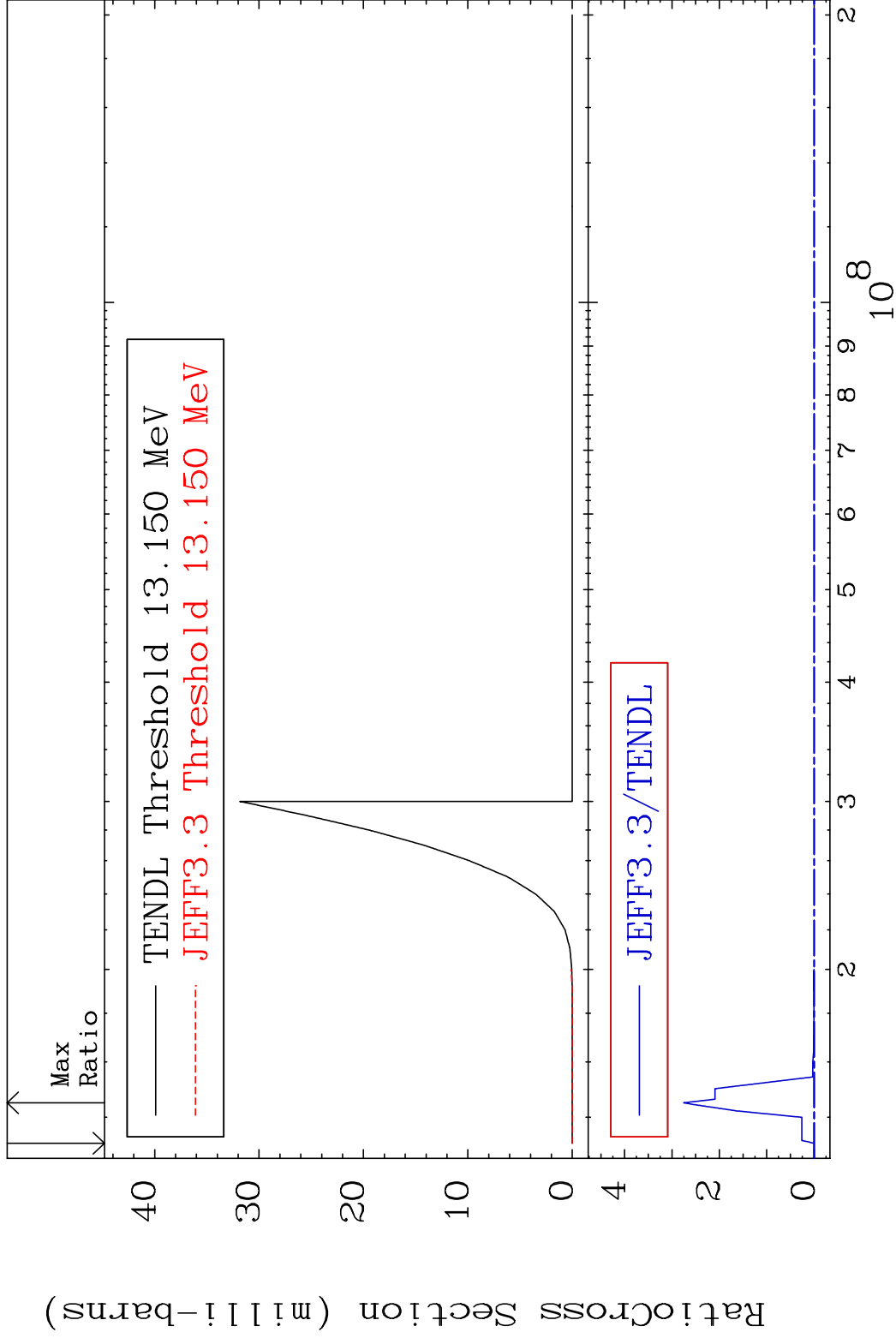


MAT 7234

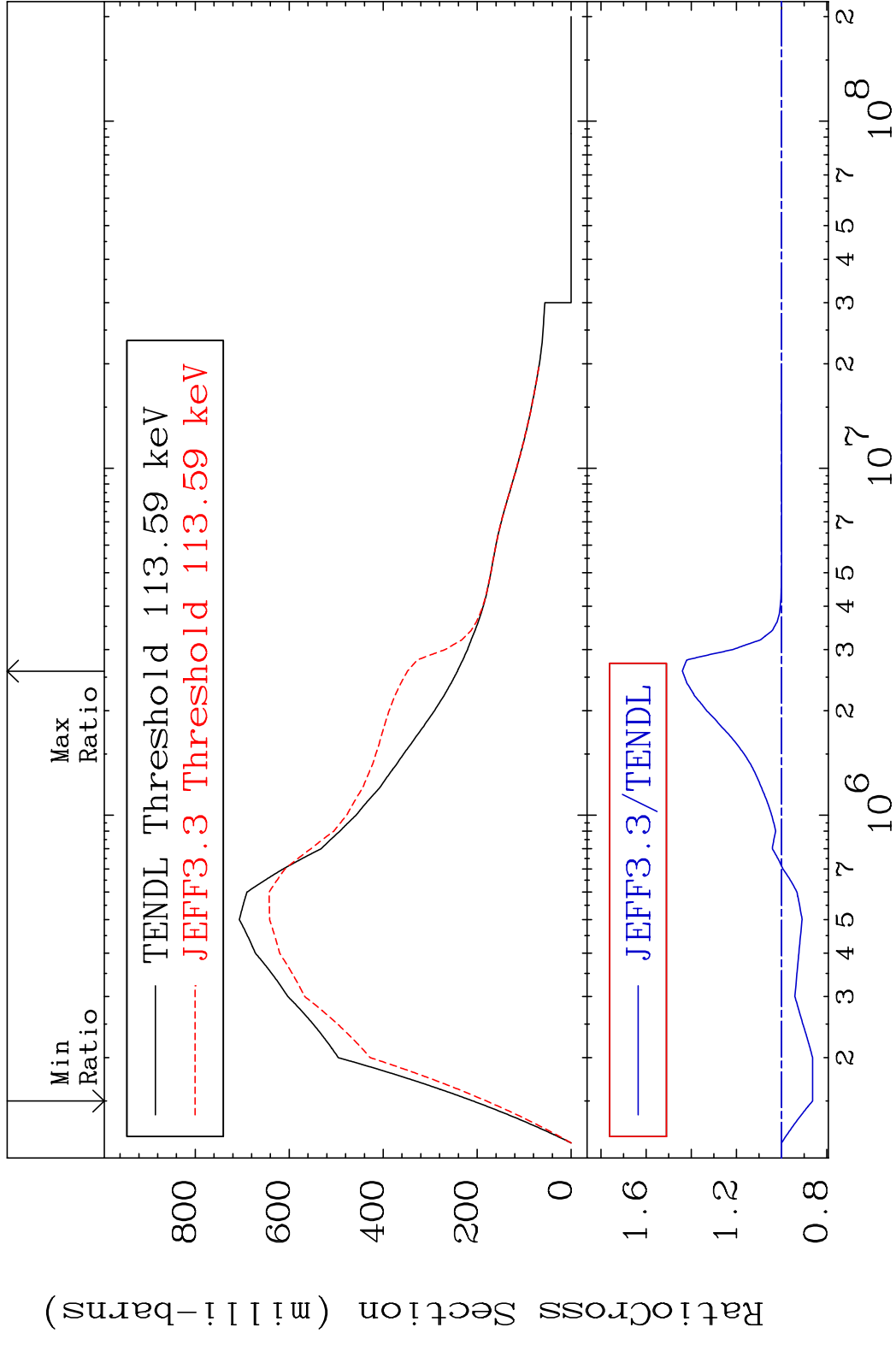
(n,2n) p

72-Hf-177

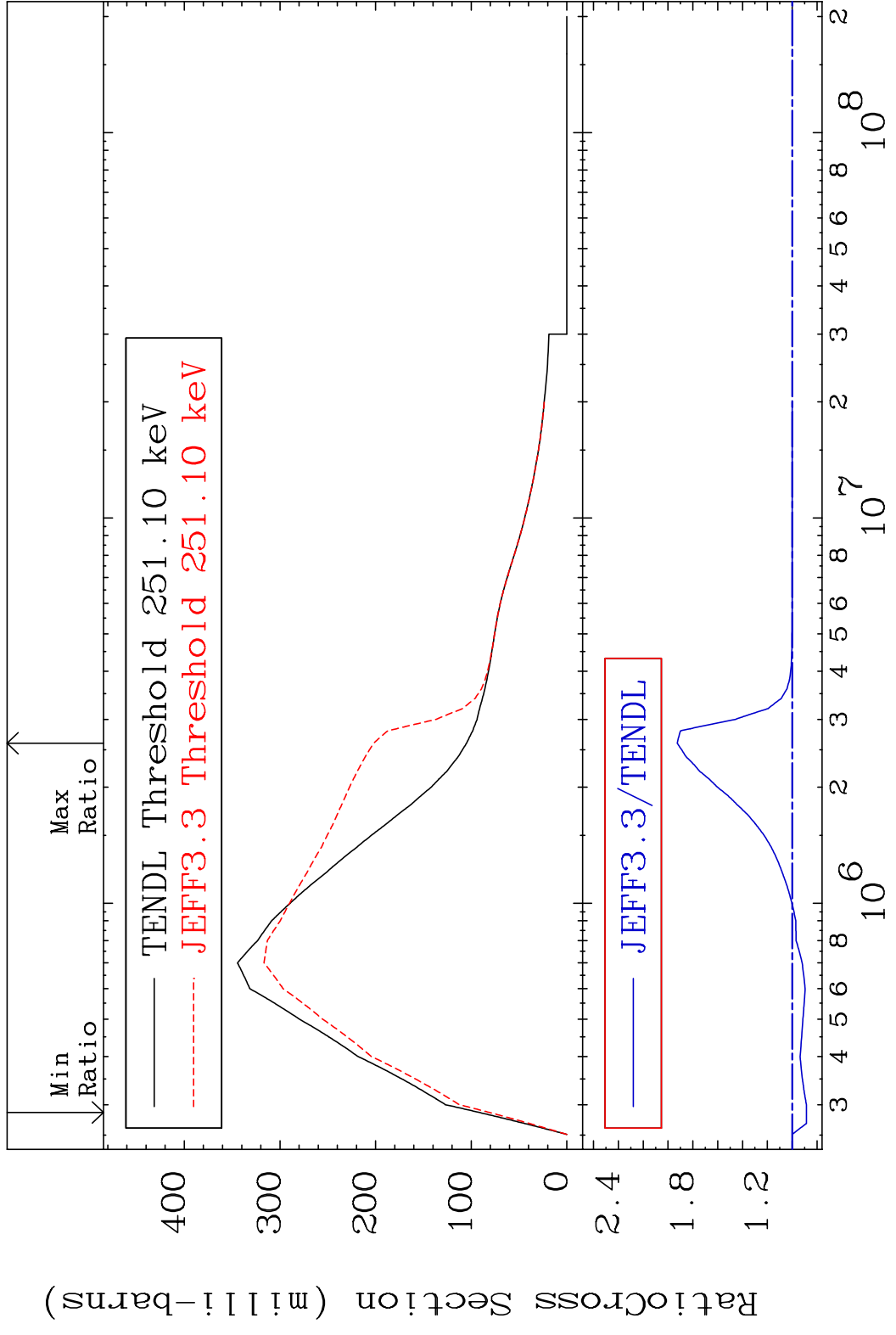
Cross Section -100.0 To 9999. %



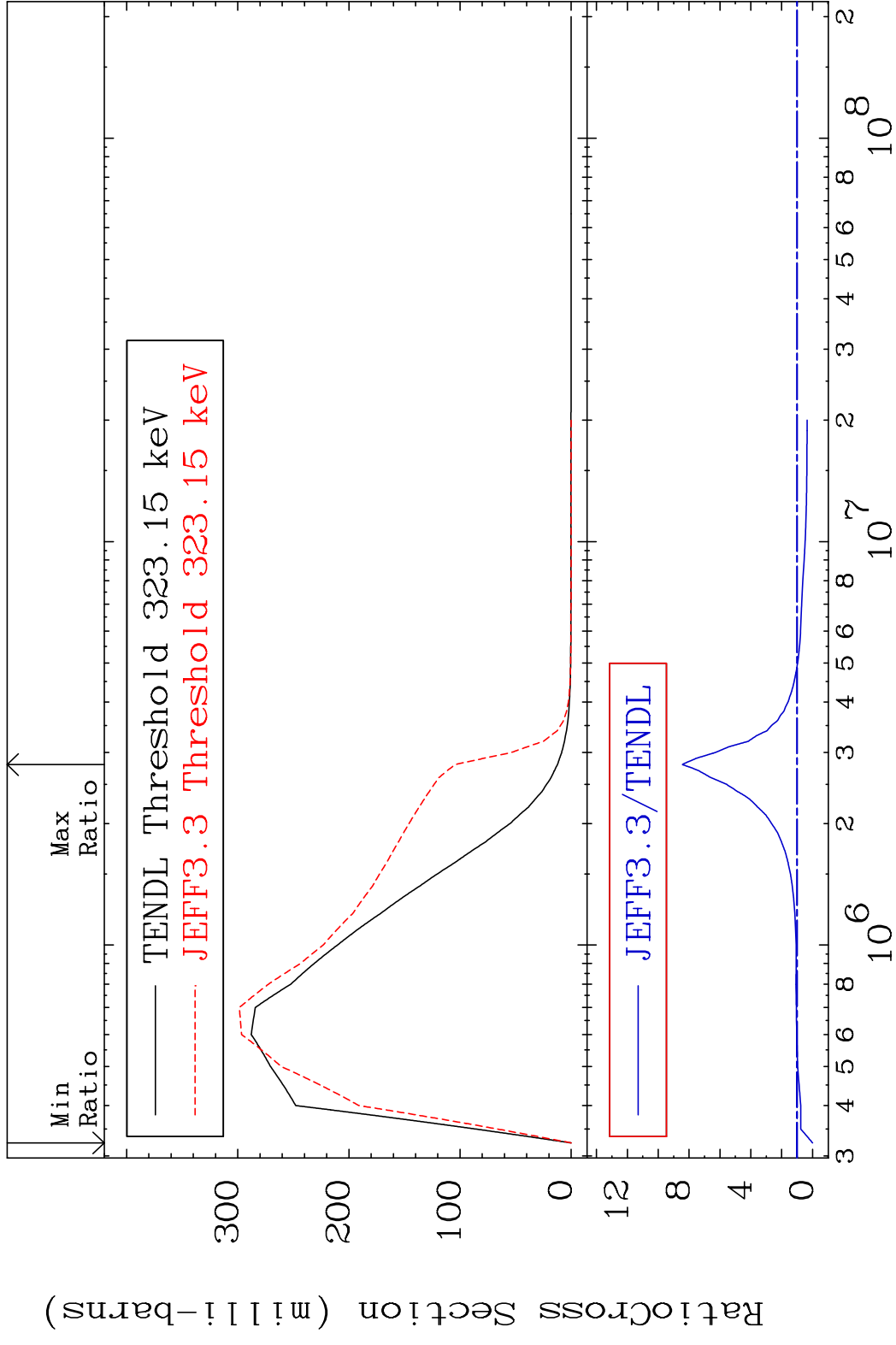
MAT 7234 MT= 51 (n, n') Level 72-Hf-177
 Cross Section -13.74 To 43.93 %



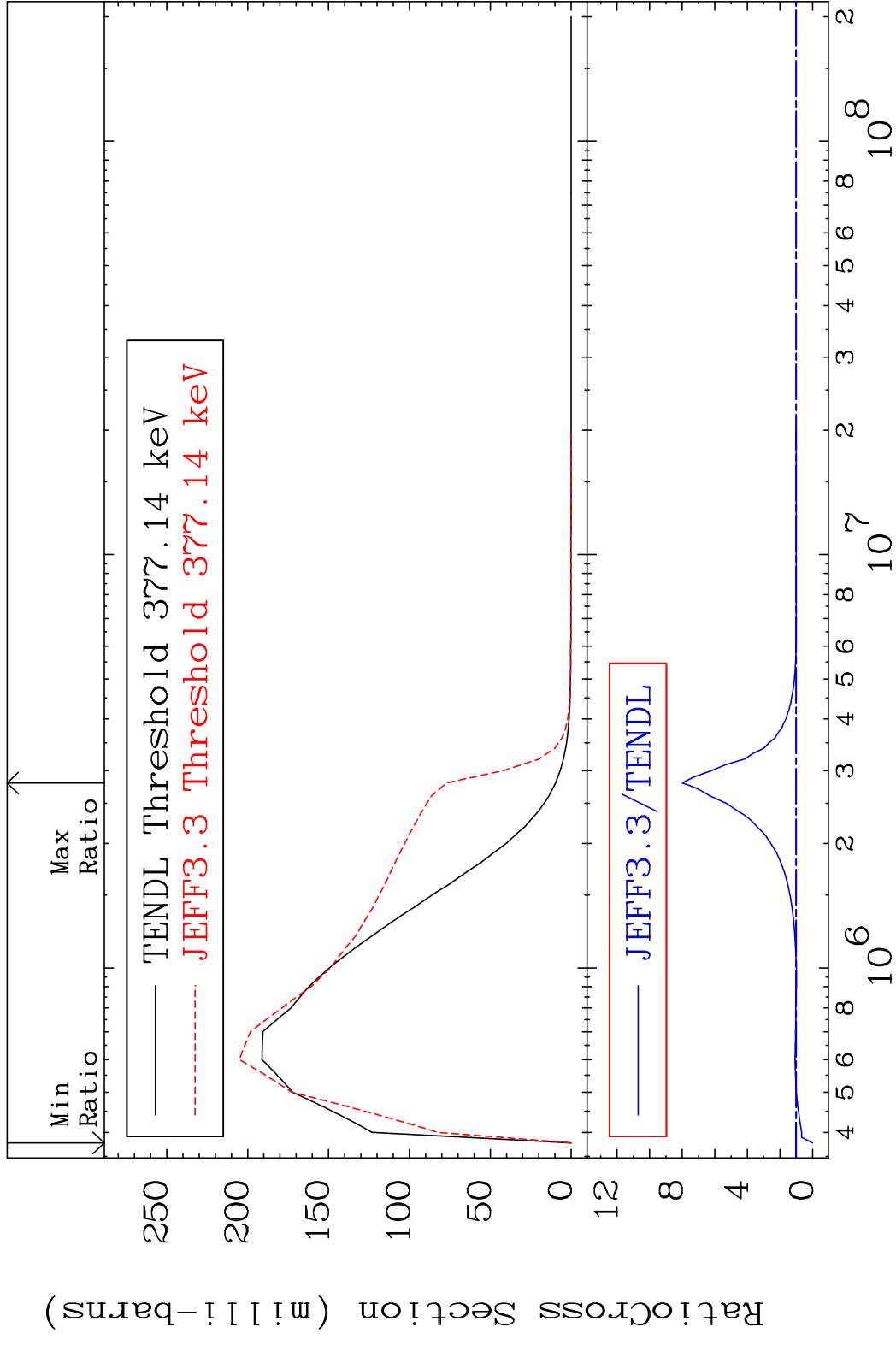
MAT 7234 MT= 52 (n,n') Level 72-Hf-177
 Cross Section -11.47 To 92.64 %



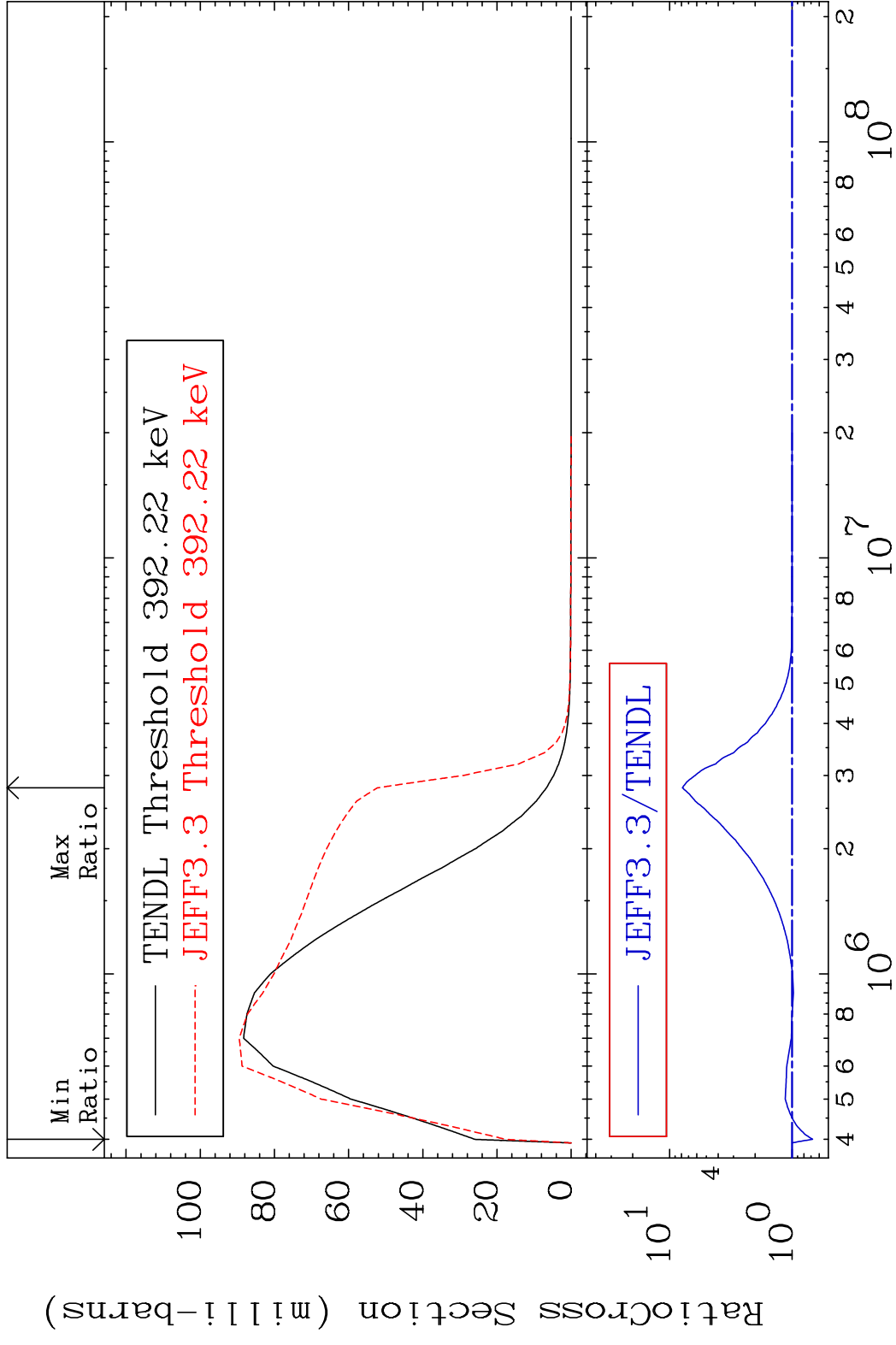
MAT 7234 MT= 53 (n, n') Level 72-Hf-177
 Cross Section -100.0 To 743.5 %



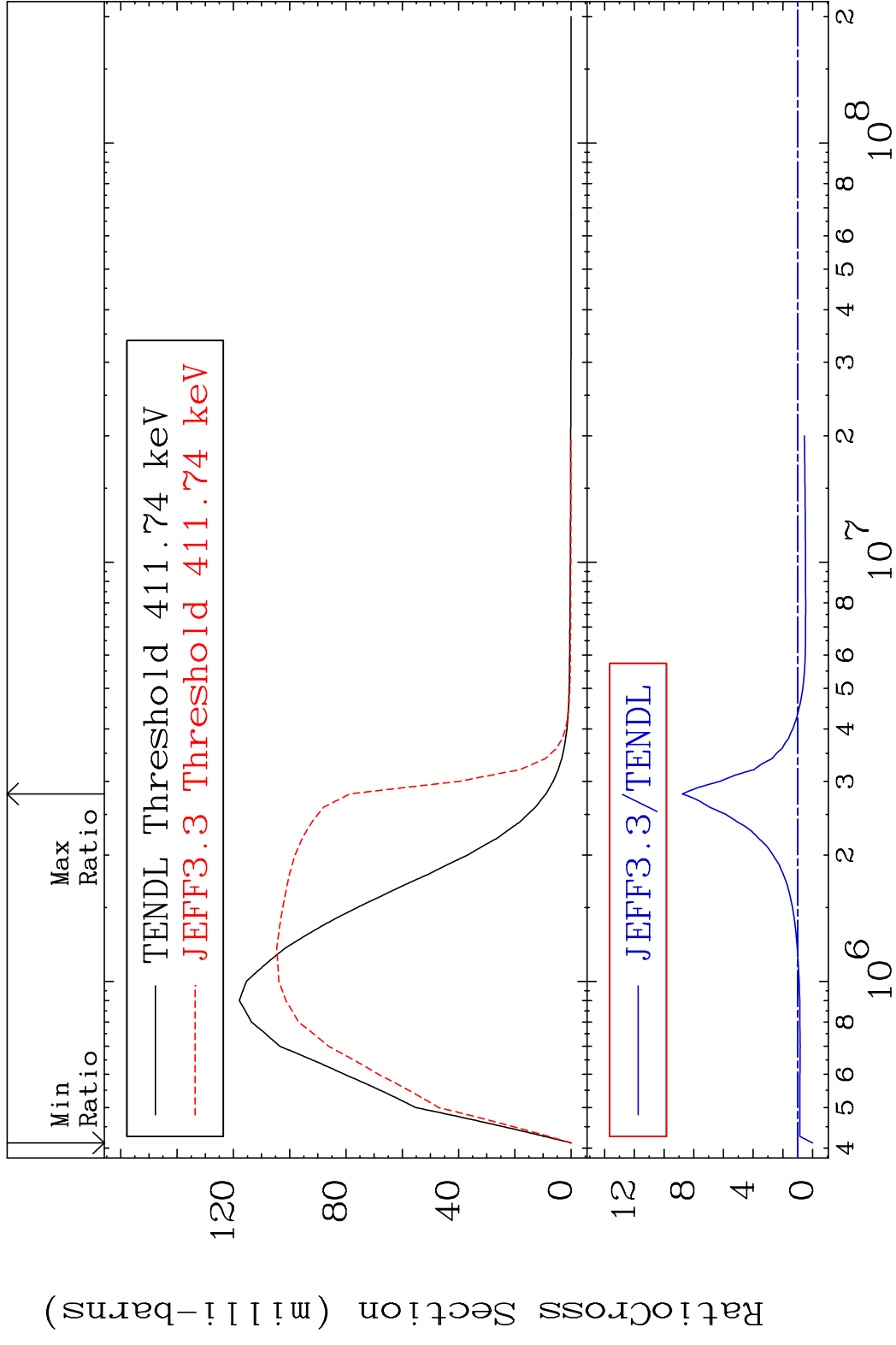
MAT 7234 MT= 54 (n,n') Level 72-Hf-177
 Cross Section -100.0 To 699.1 %



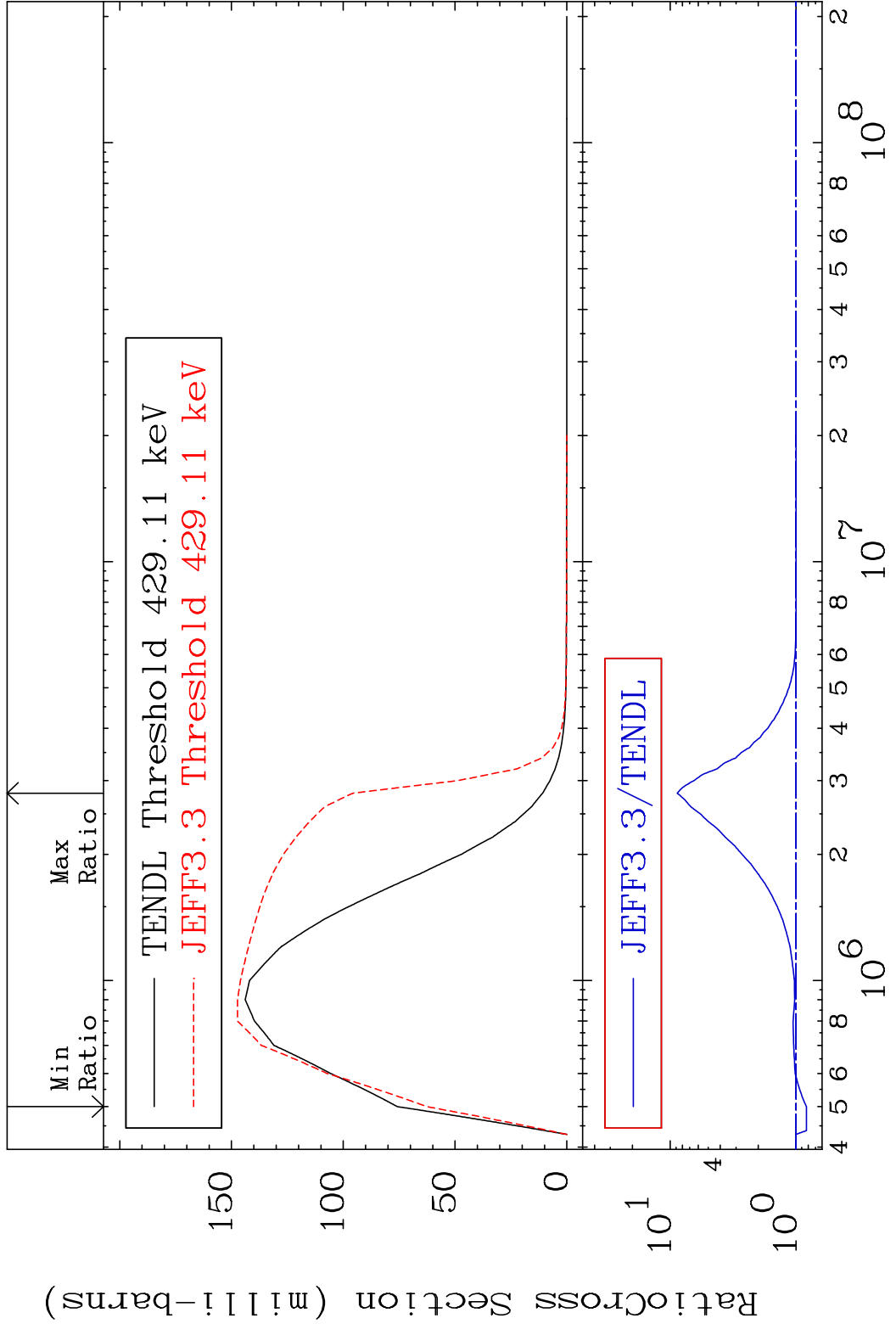
MAT 7234 MT= 55 (n,n') Level 72-Hf-177
 Cross Section -32.06 To 686.0 %



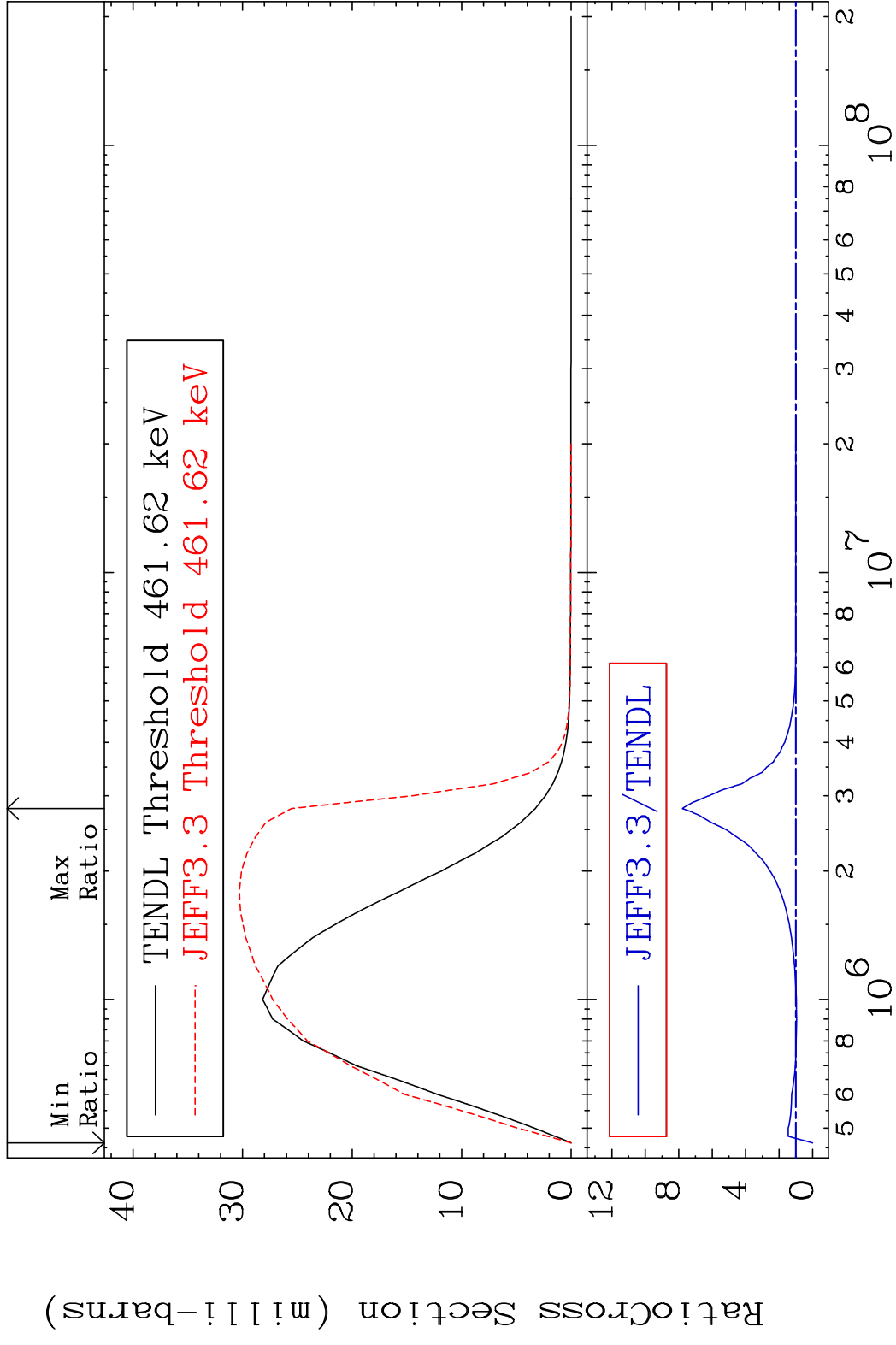
MAT 7234 MT= 56 (n,n') Level 72-Hf-177
 Cross Section -100.0 To 776.7 %



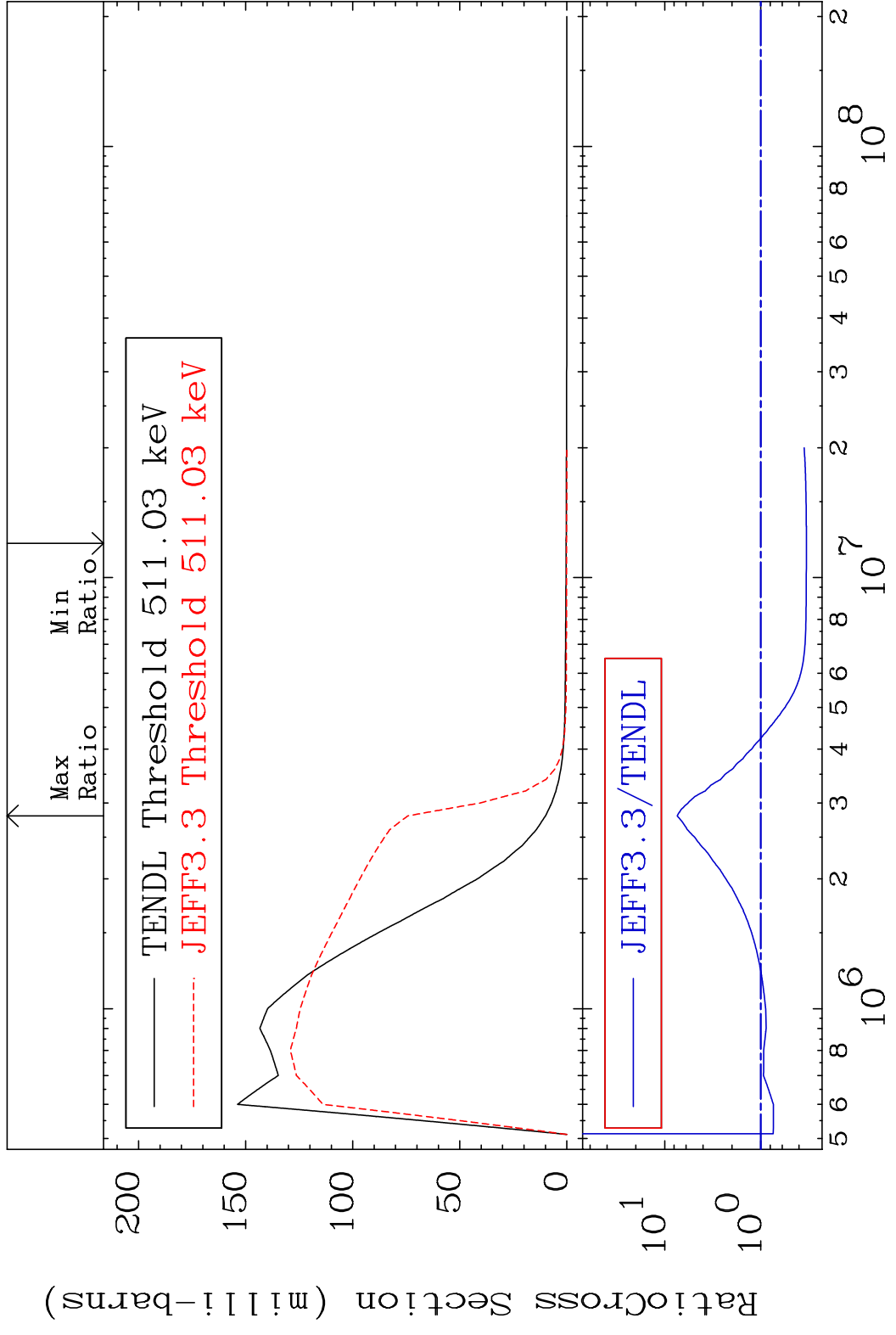
MAT 7234 MT= 57 (n,n') Level 72-Hf-177
 Cross Section -17.38 To 781.4 %



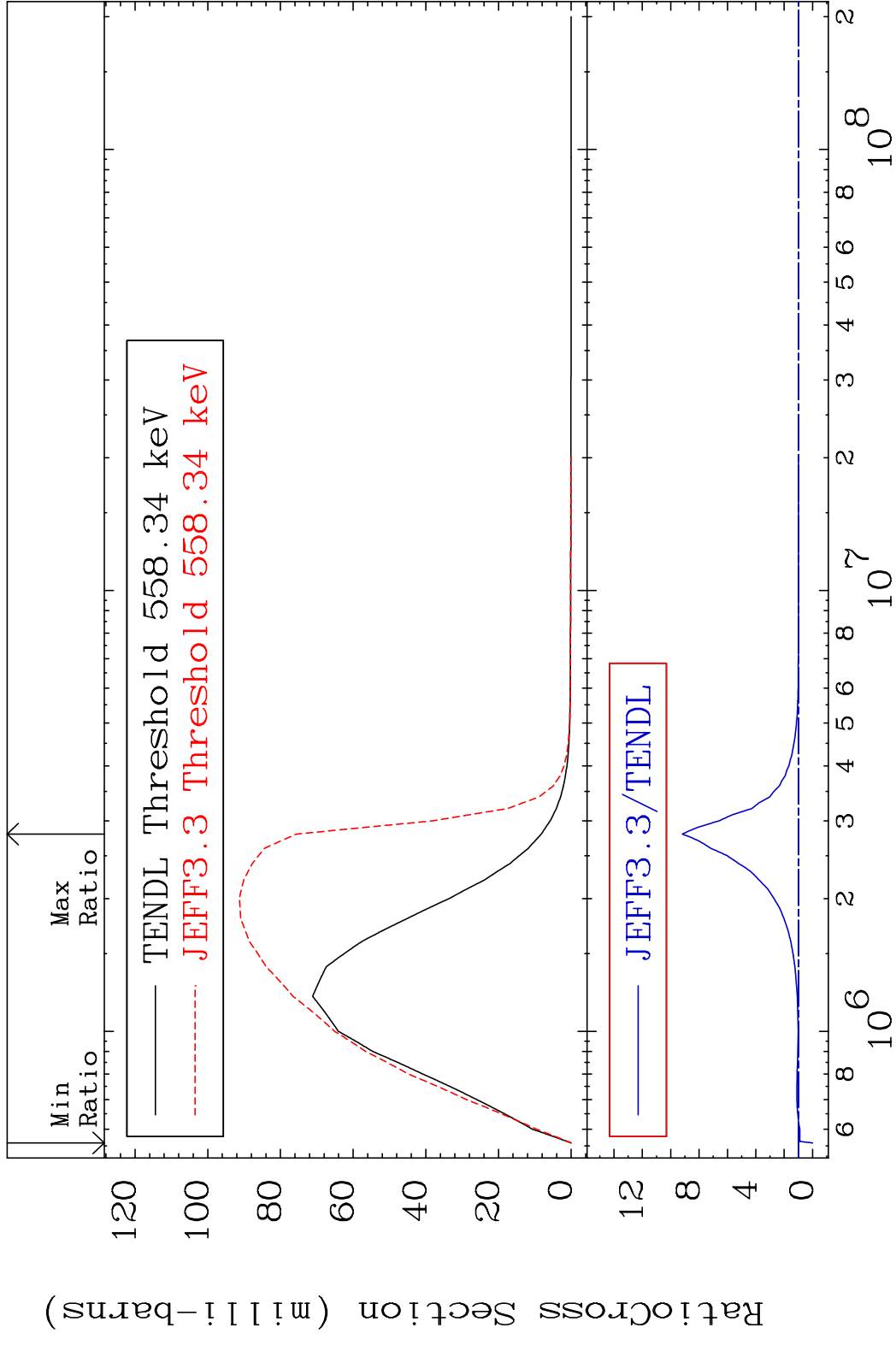
MAT 7234 MT= 58 (n,n') Level 72-Hf-177
 Cross Section -100.0 To 678.6 %



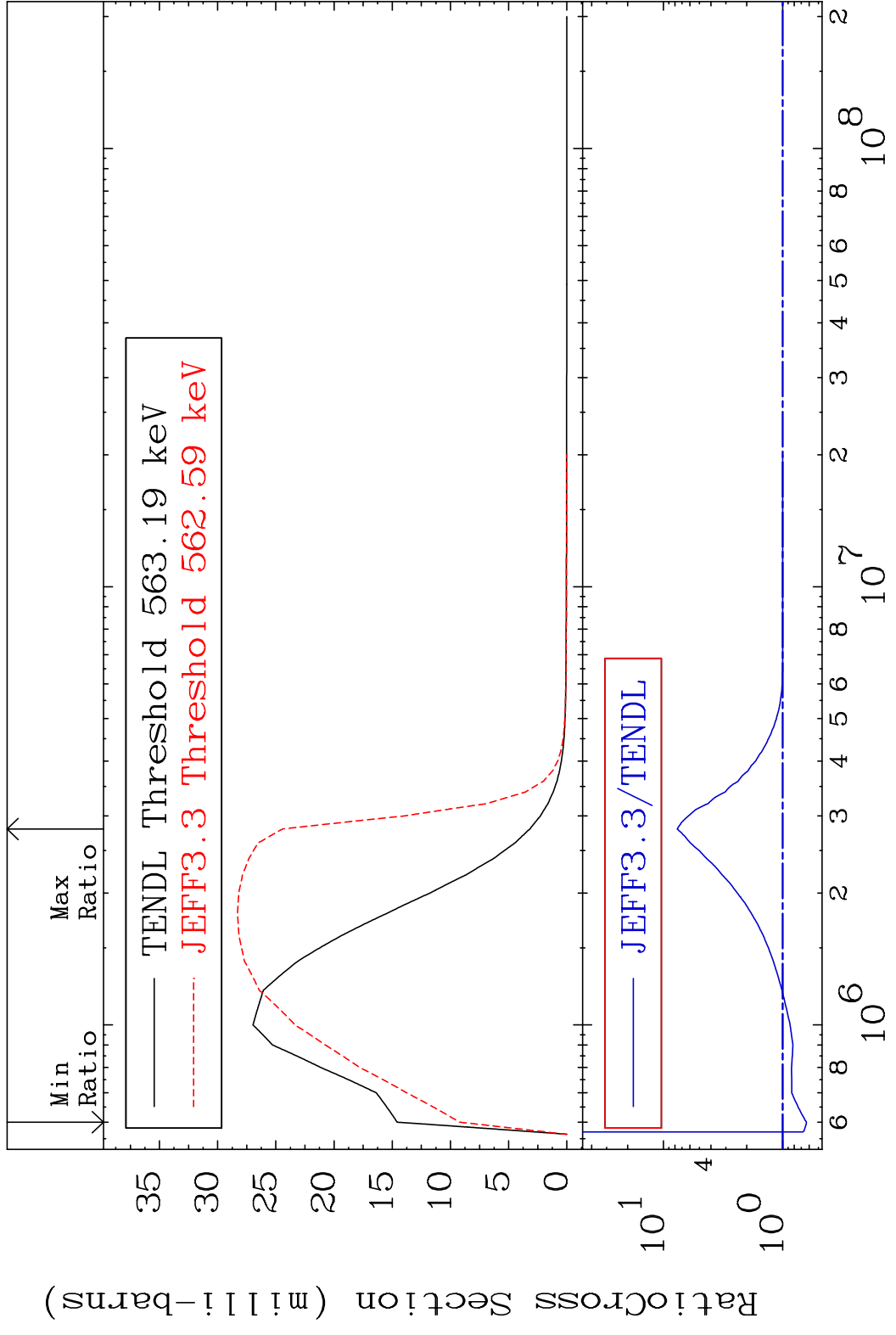
MAT 7234 MT= 59 (n, n') Level 72-Hf-177
 Cross Section -66.46 To 643.3 %



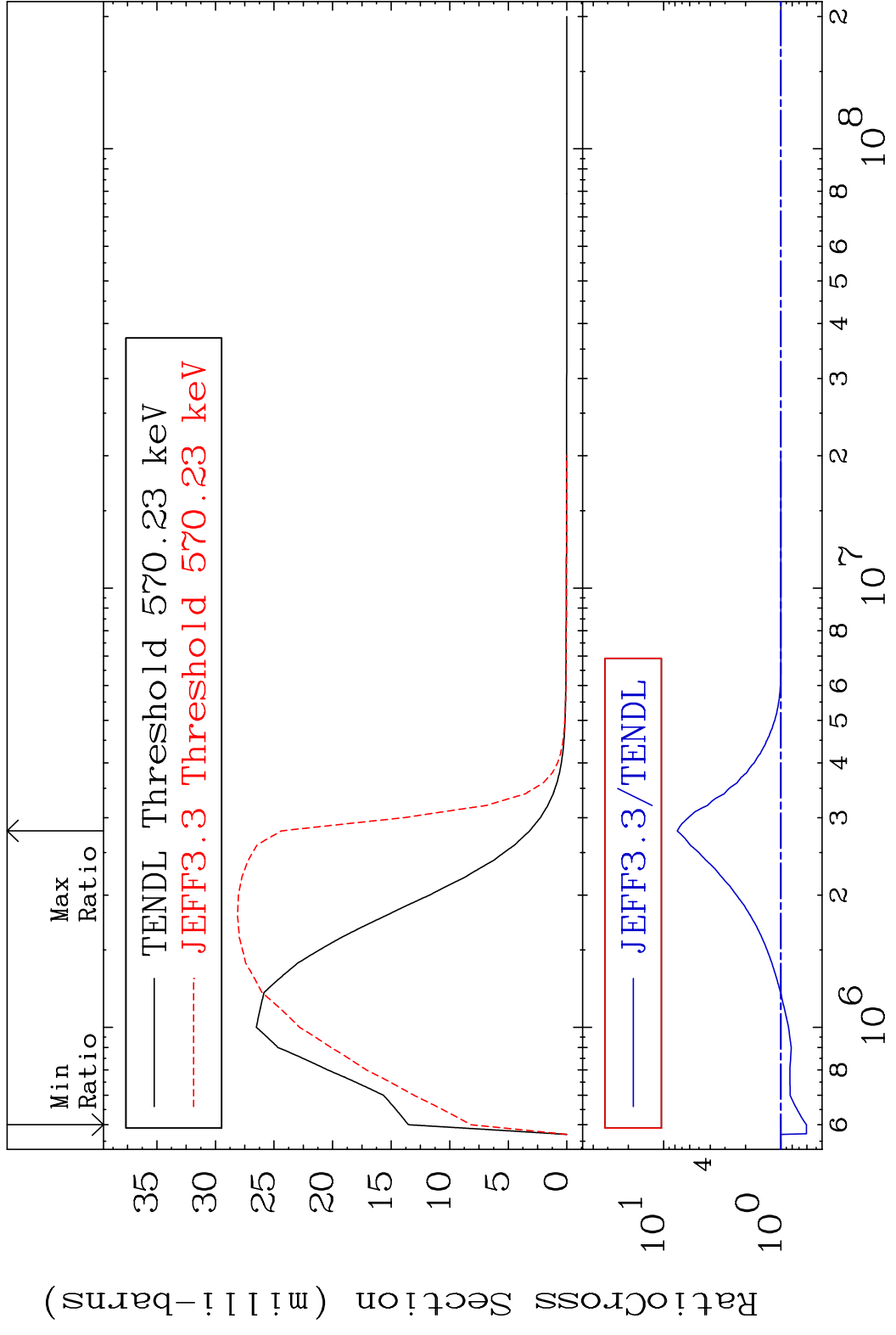
MAT 7234 MT= 60 (n,n') Level 72-Hf-177
 Cross Section -100.0 To 818.0 %



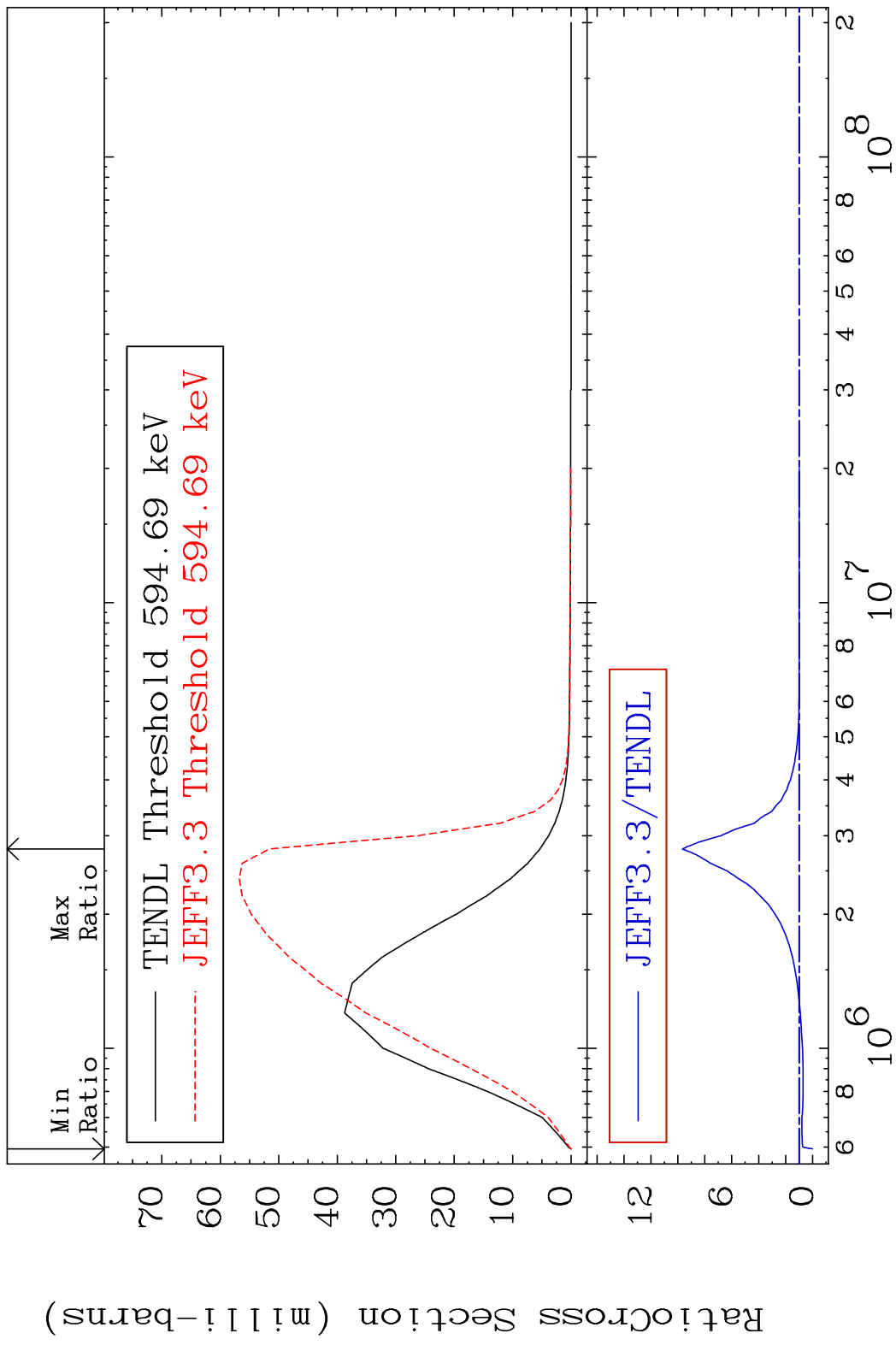
MAT 7234 MT= 61 (n,n') Level 72-Hf-177
 Cross Section -36.77 To 667.5 %



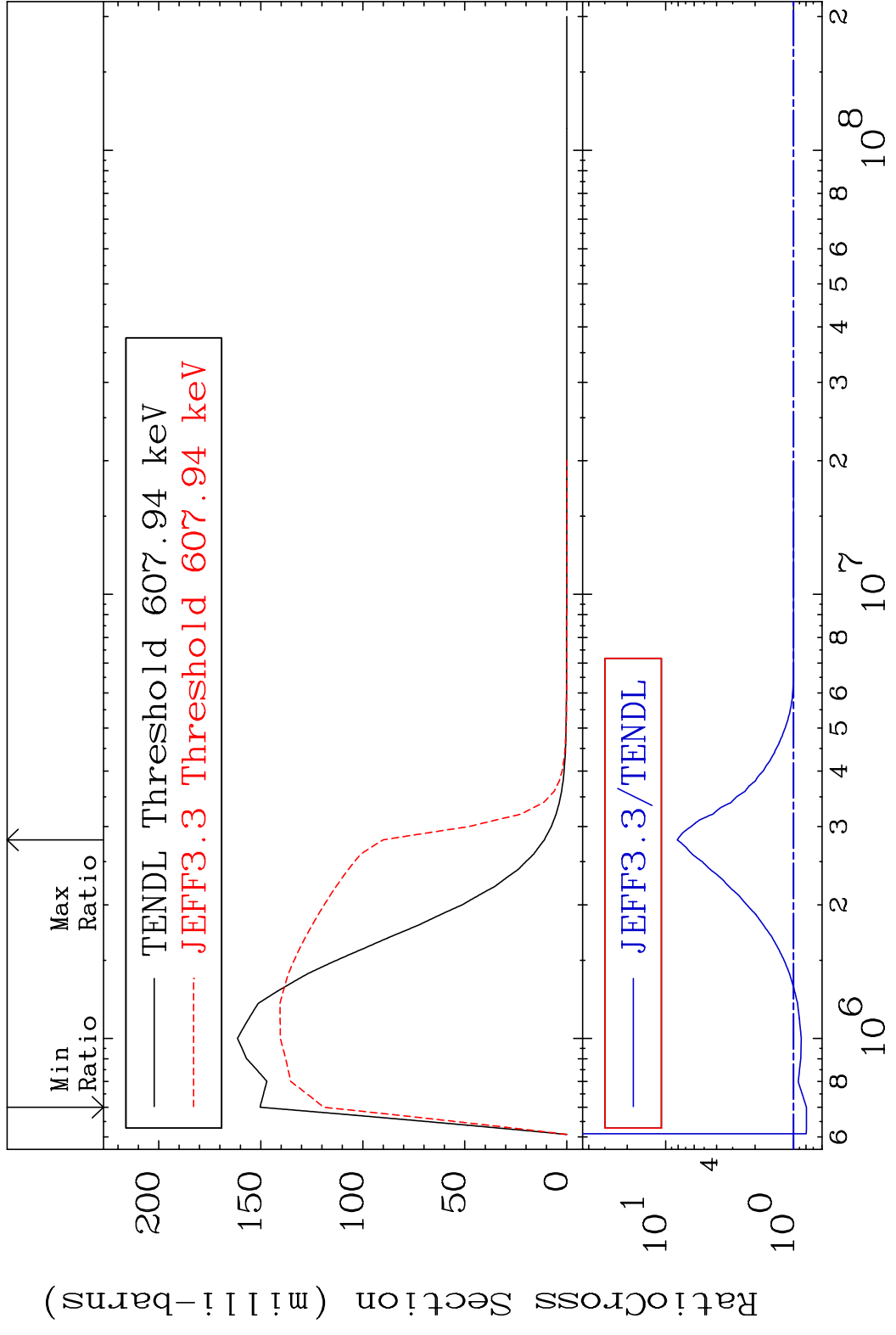
MAT 7234 MT= 62 (n,n') Level 72-Hf-177
 Cross Section -39.42 To 667.4 %



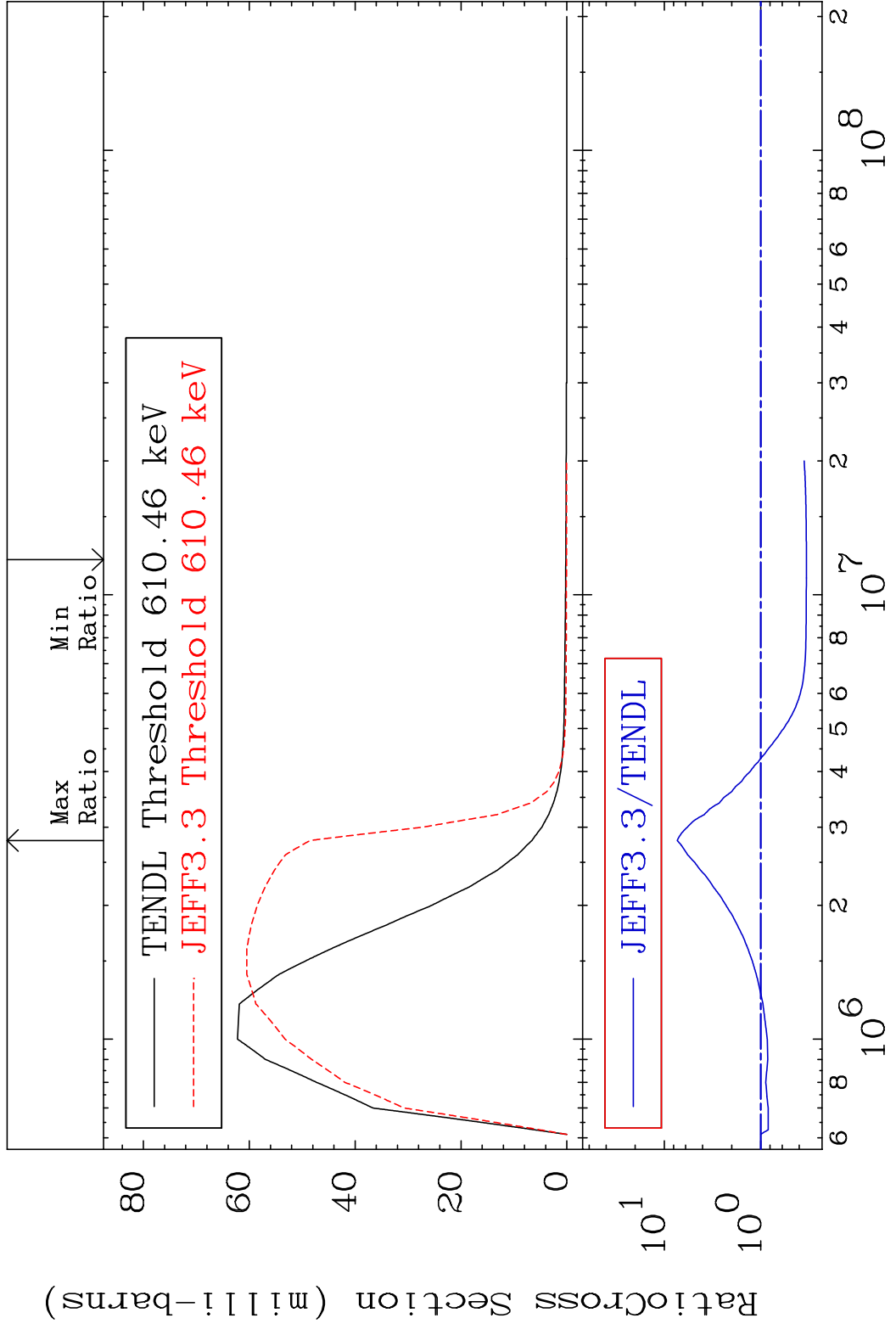
MAT 7234 MT= 63 (n, n') Level 72-Hf-177
 Cross Section -100.0 To 866.7 %



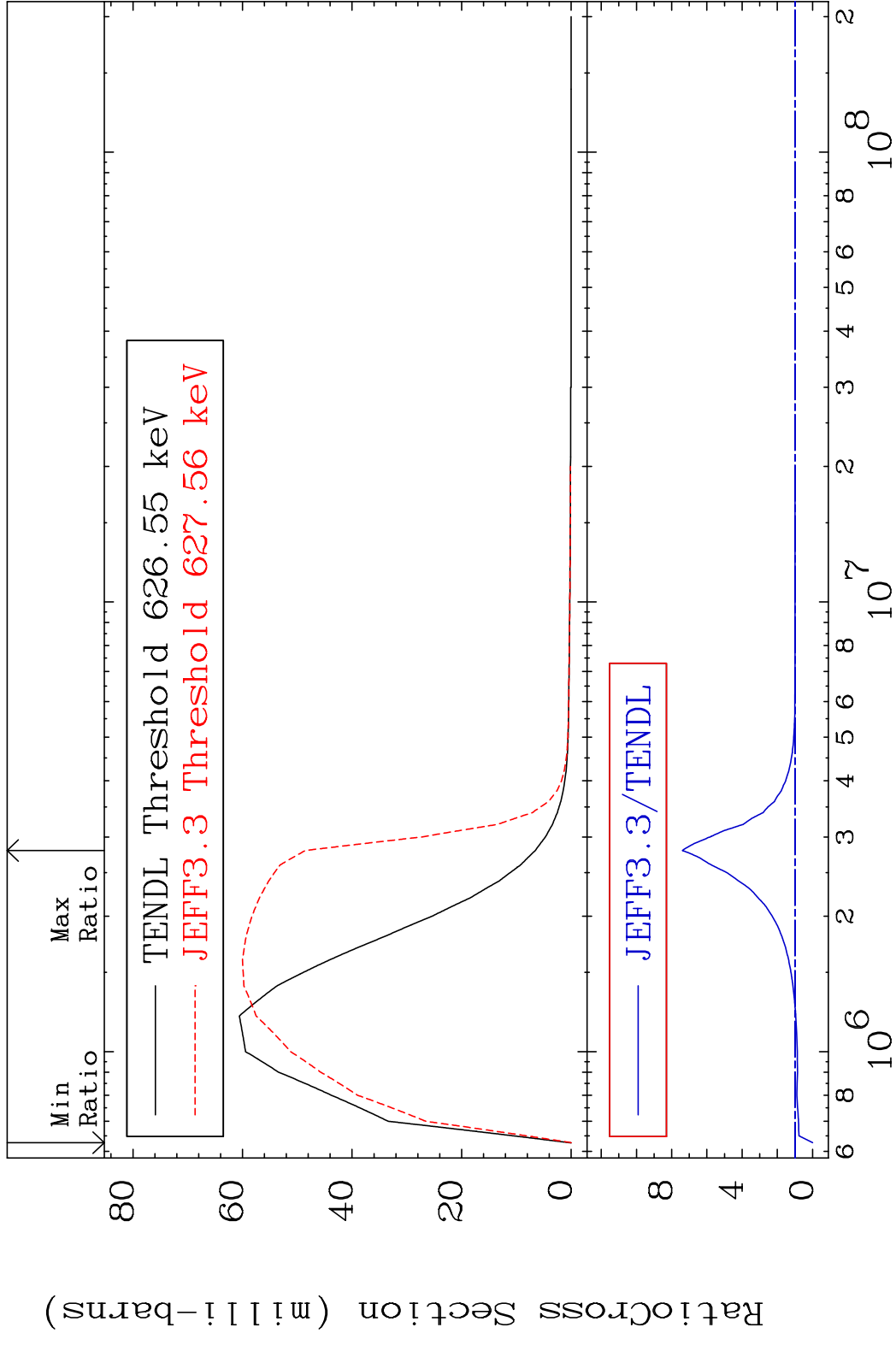
MAT 7234 MT= 64 (n,n') Level 72-Hf-177
 Cross Section -20.67 To 714.0 %



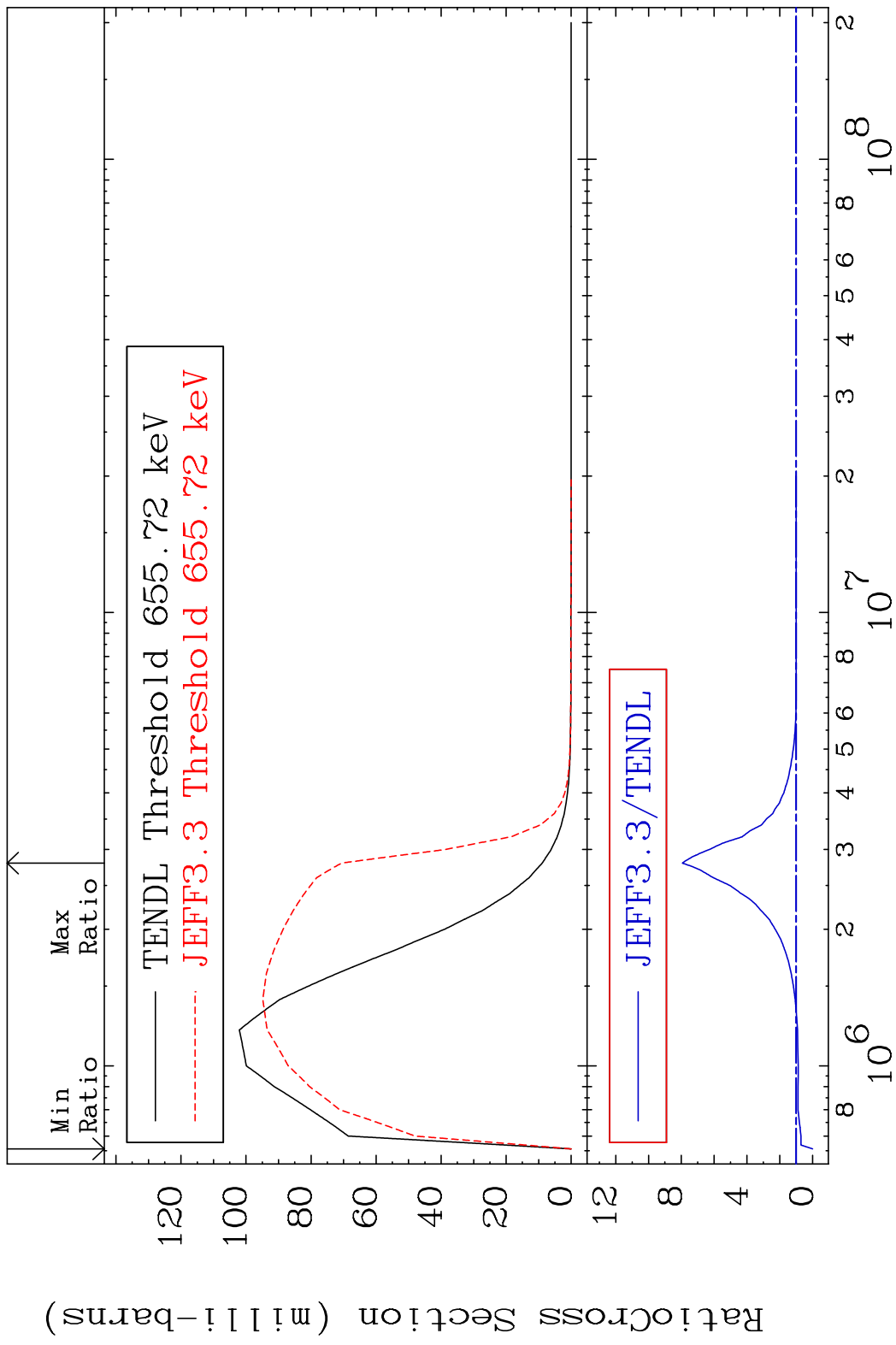
MAT 7234 MT= 65 (n, n') Level 72-Hf-177
 Cross Section -66.37 To 634.7 %



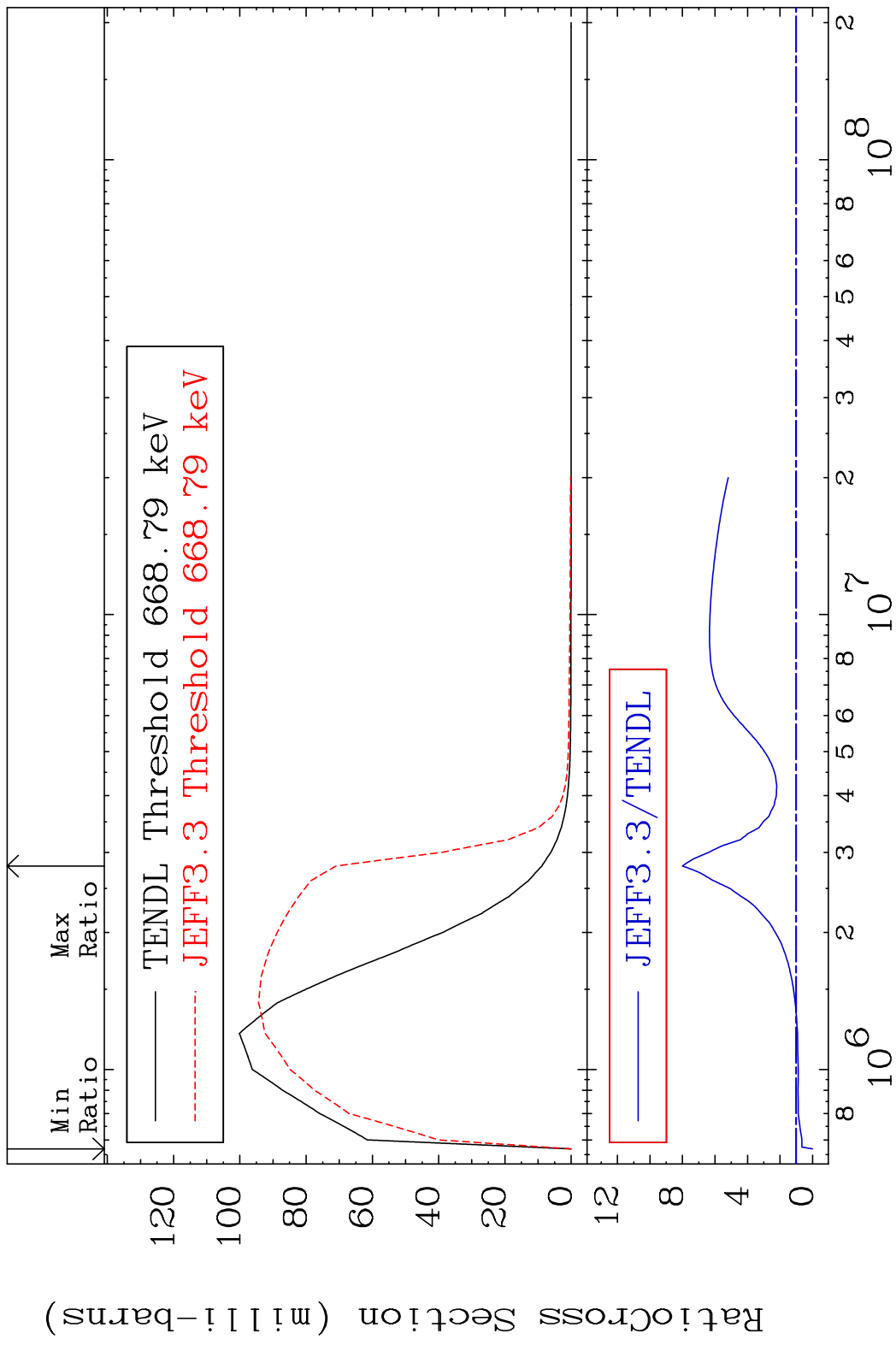
MAT 7234 MT= 66 (n,n') Level 72-Hf-177
 Cross Section -100.0 To 639.3 %



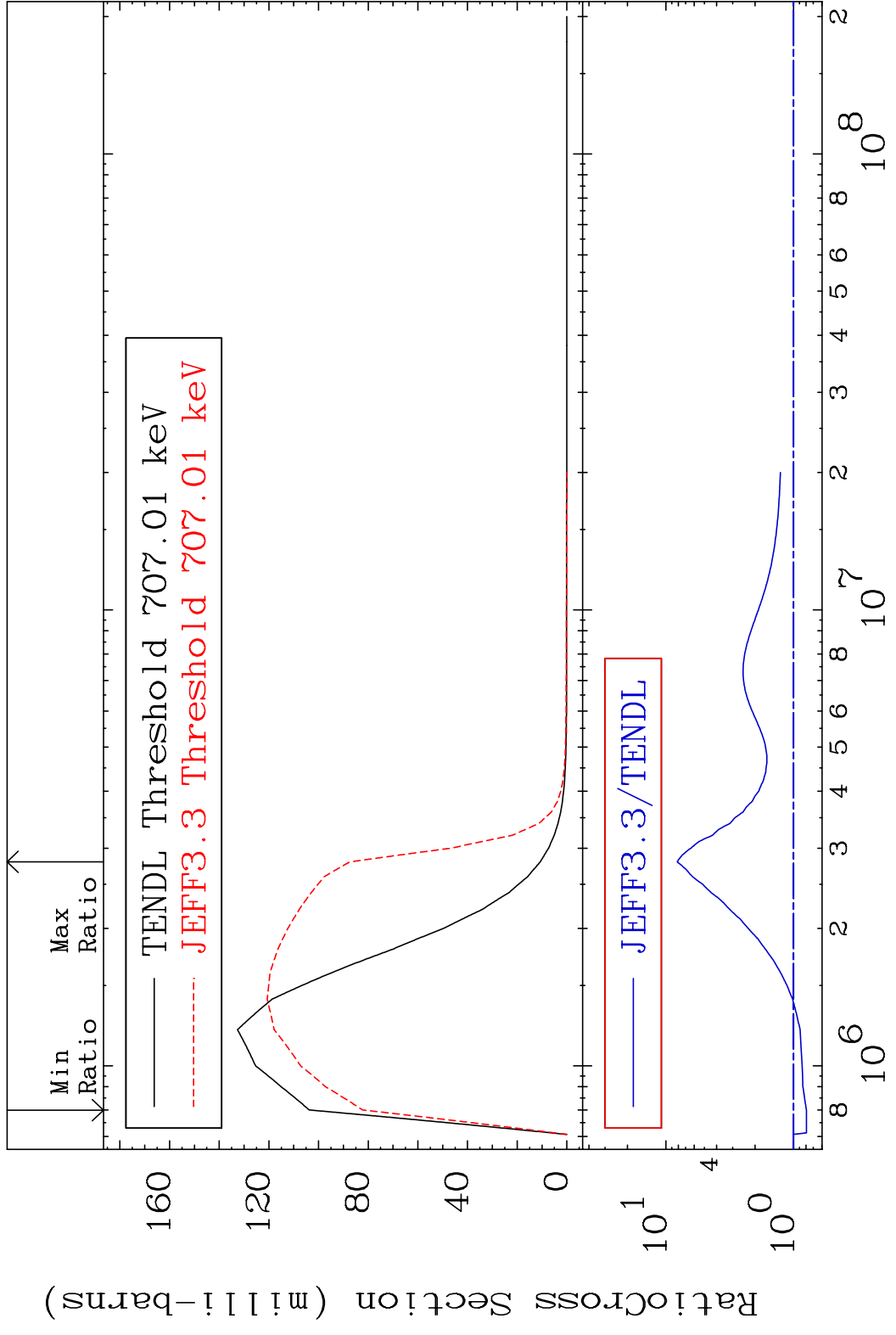
MAT 7234 MT= 67 (n, n') Level 72-Hf-177
 Cross Section -100.0 To 693.8 %



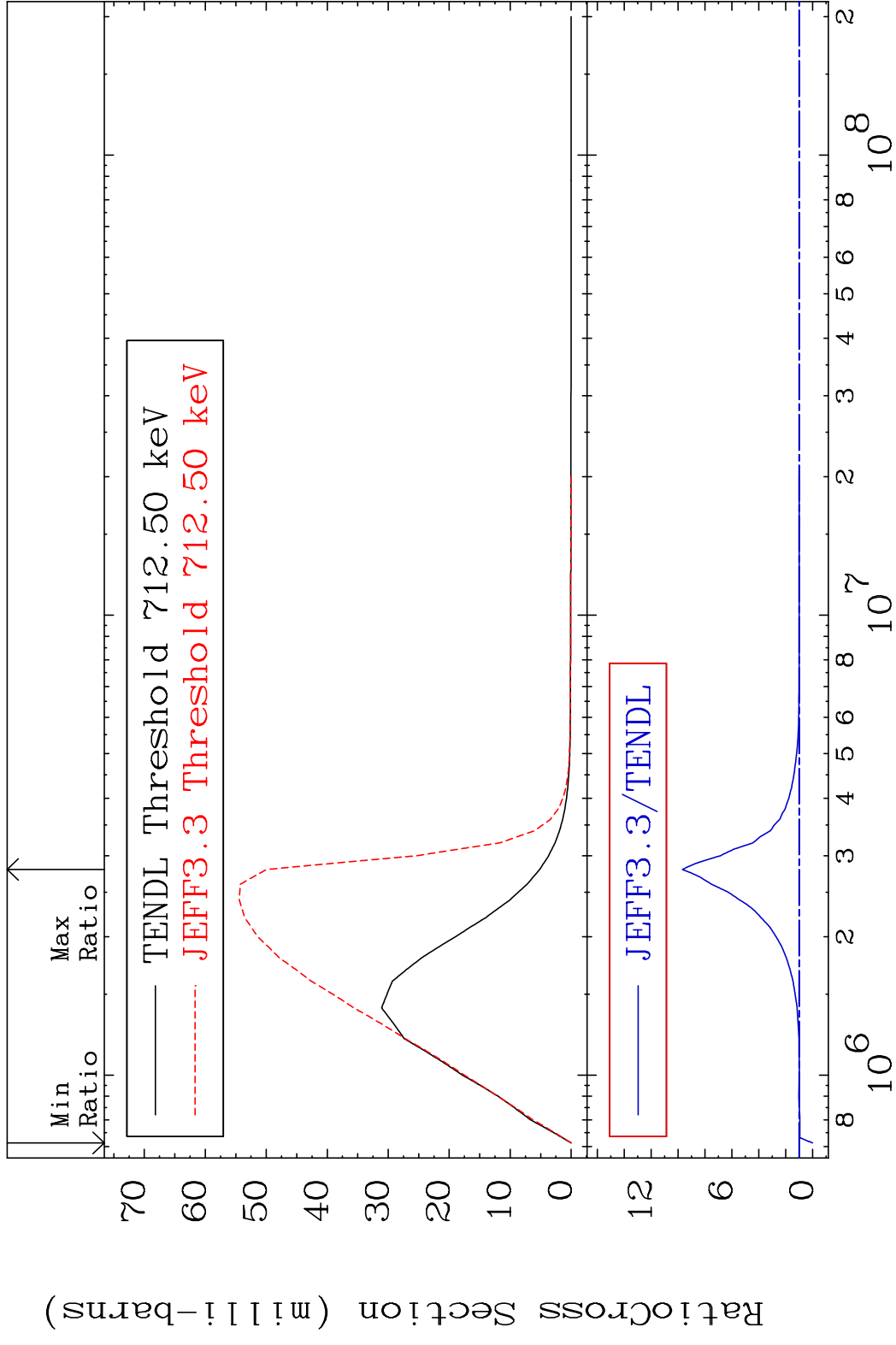
MAT 7234 MT= 68 (n,n') Level 72-Hf-177
 Cross Section -100.0 To 700.8 %



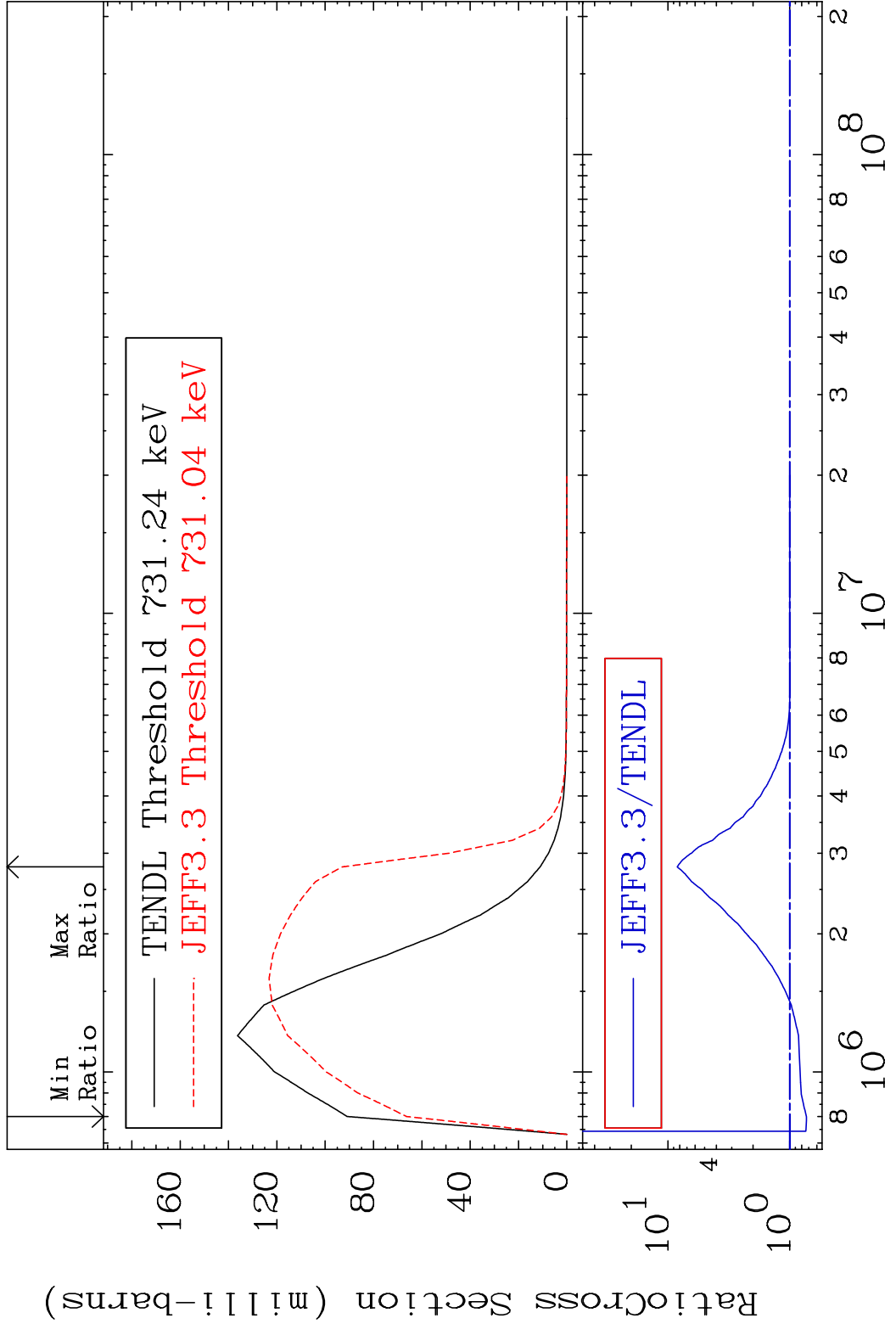
MAT 7234 MT= 69 (n,n') Level 72-Hf-177
 Cross Section -20.71 To 715.6 %



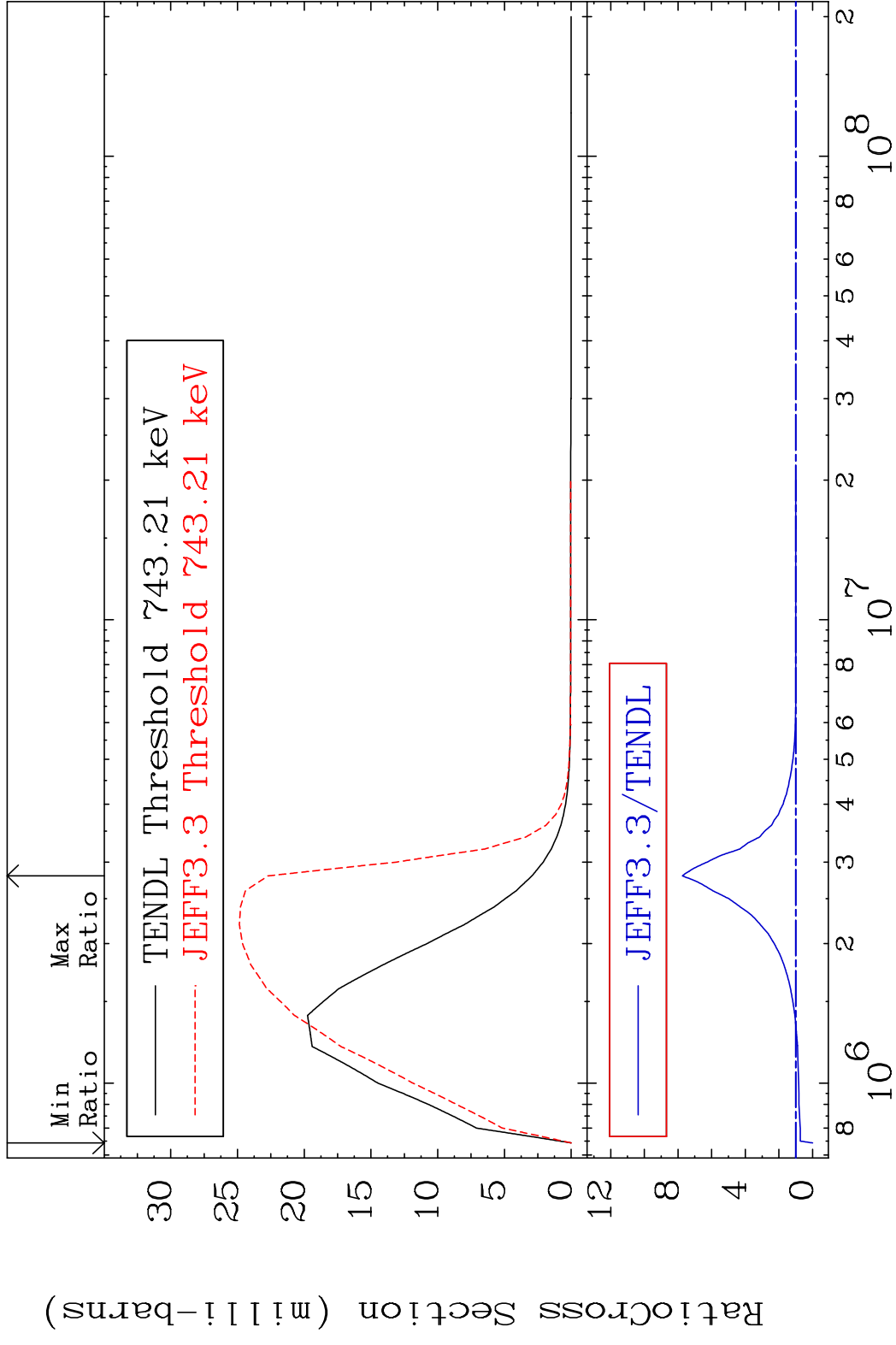
MAT 7234 MT= 70 (n, n') Level 72-Hf-177
 Cross Section -100.0 To 867.9 %



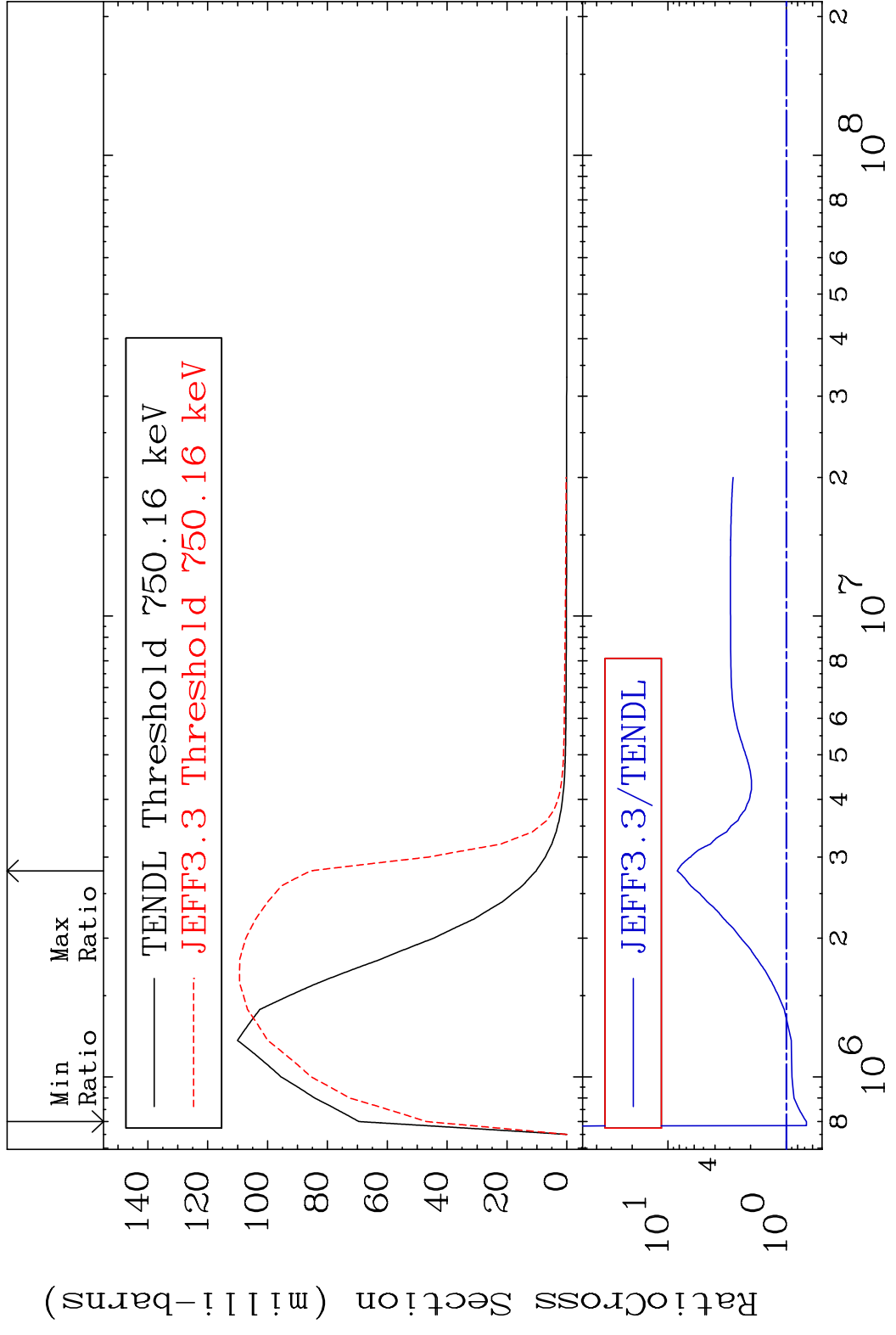
MAT 7234 MT= 71 (n,n') Level 72-Hf-177
 Cross Section -26.96 To 740.9 %



MAT 7234 MT= 72 (n, n') Level 72-Hf-177
 Cross Section -100.0 To 674.1 %



MAT 7234 MT= 73 (n,n') Level 72-Hf-177
 Cross Section -32.42 To 734.2 %

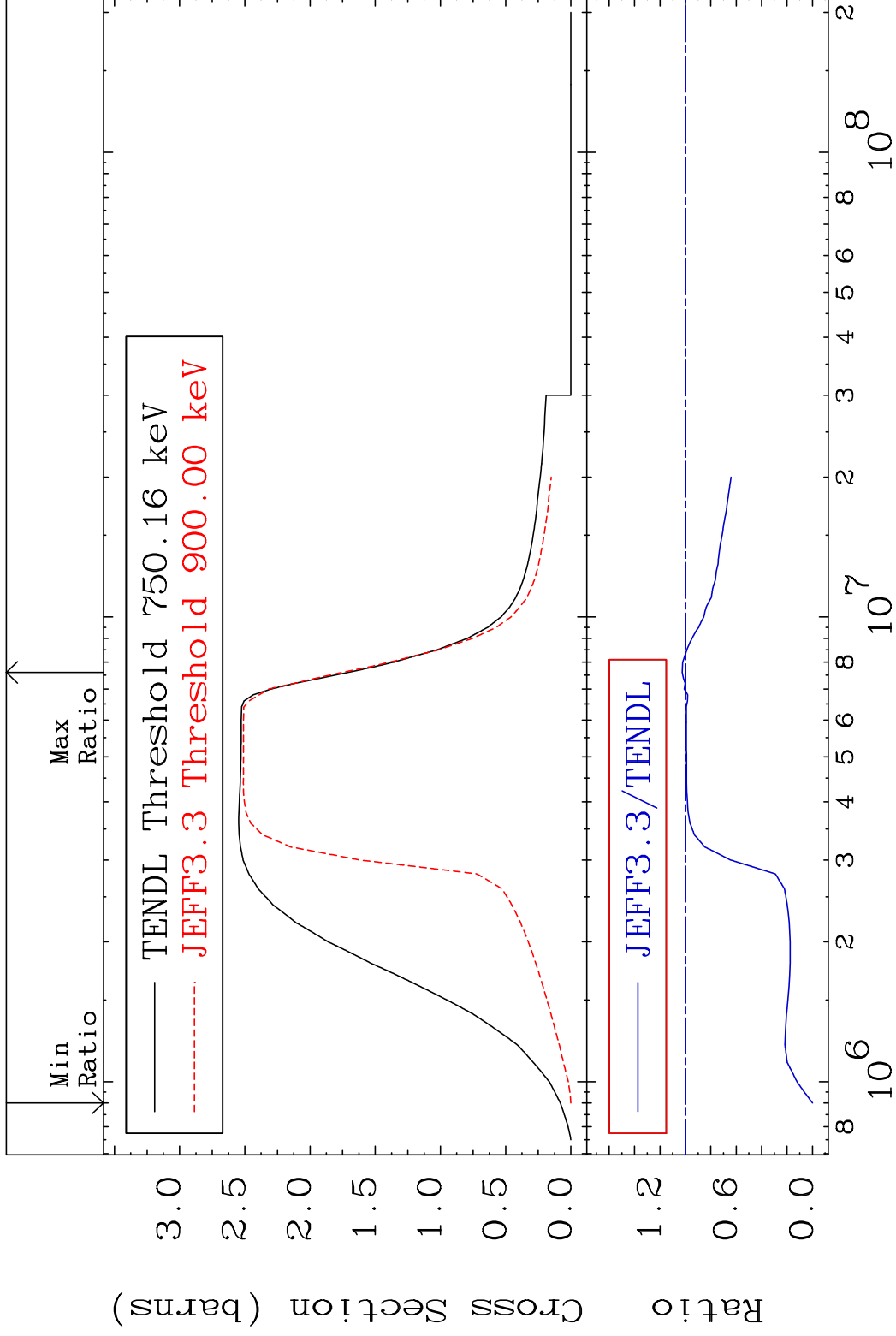


MAT 7234

(n, n') Continuum

72-Hf-177

Cross Section -100.0 To 2.566 %



36

Incident Energy (eV)

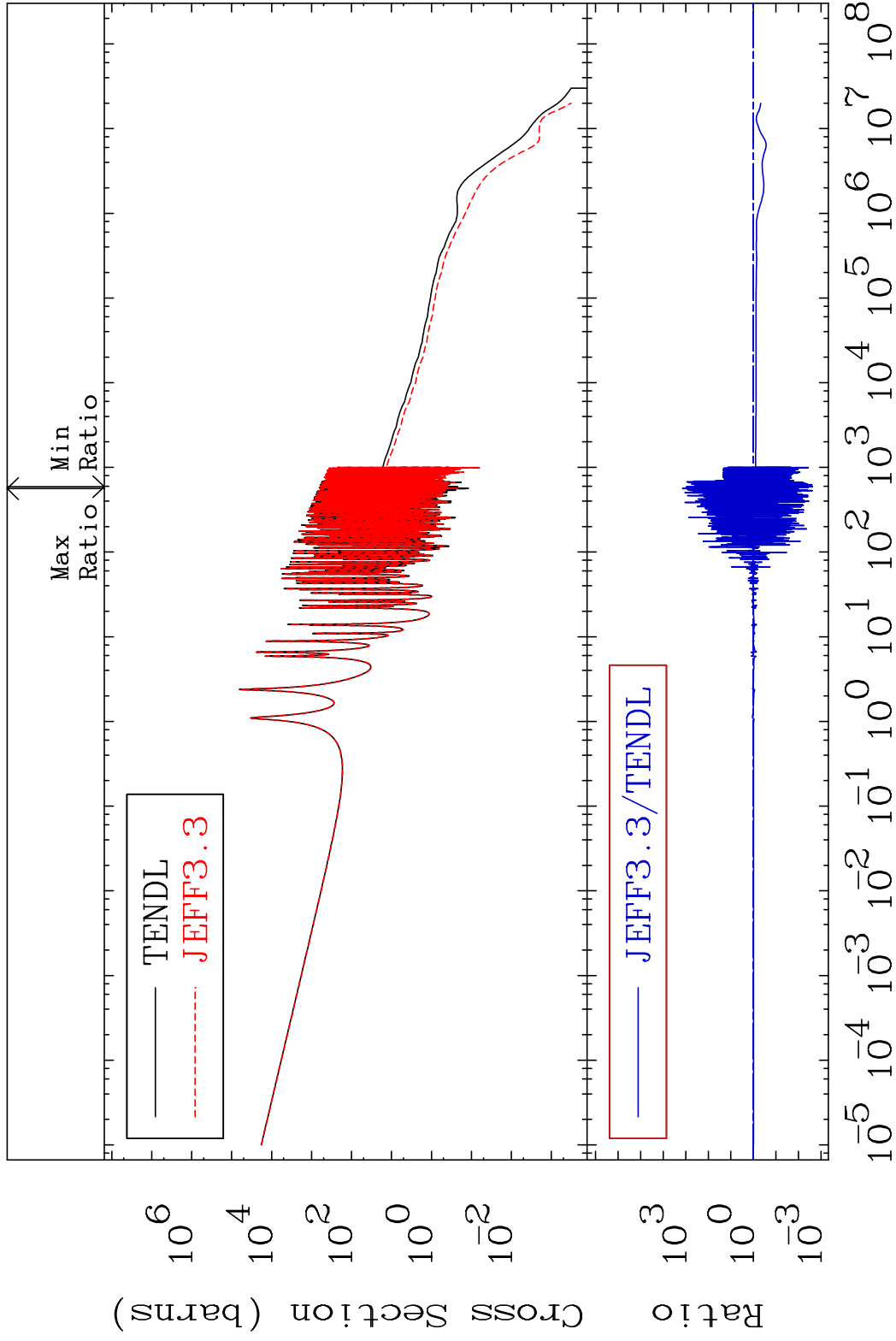
72-Hf-177

MAT 7234

(n, γ)

72-Hf-177

Cross Section -99.76 To 9999. %



37

Incident Energy (eV)

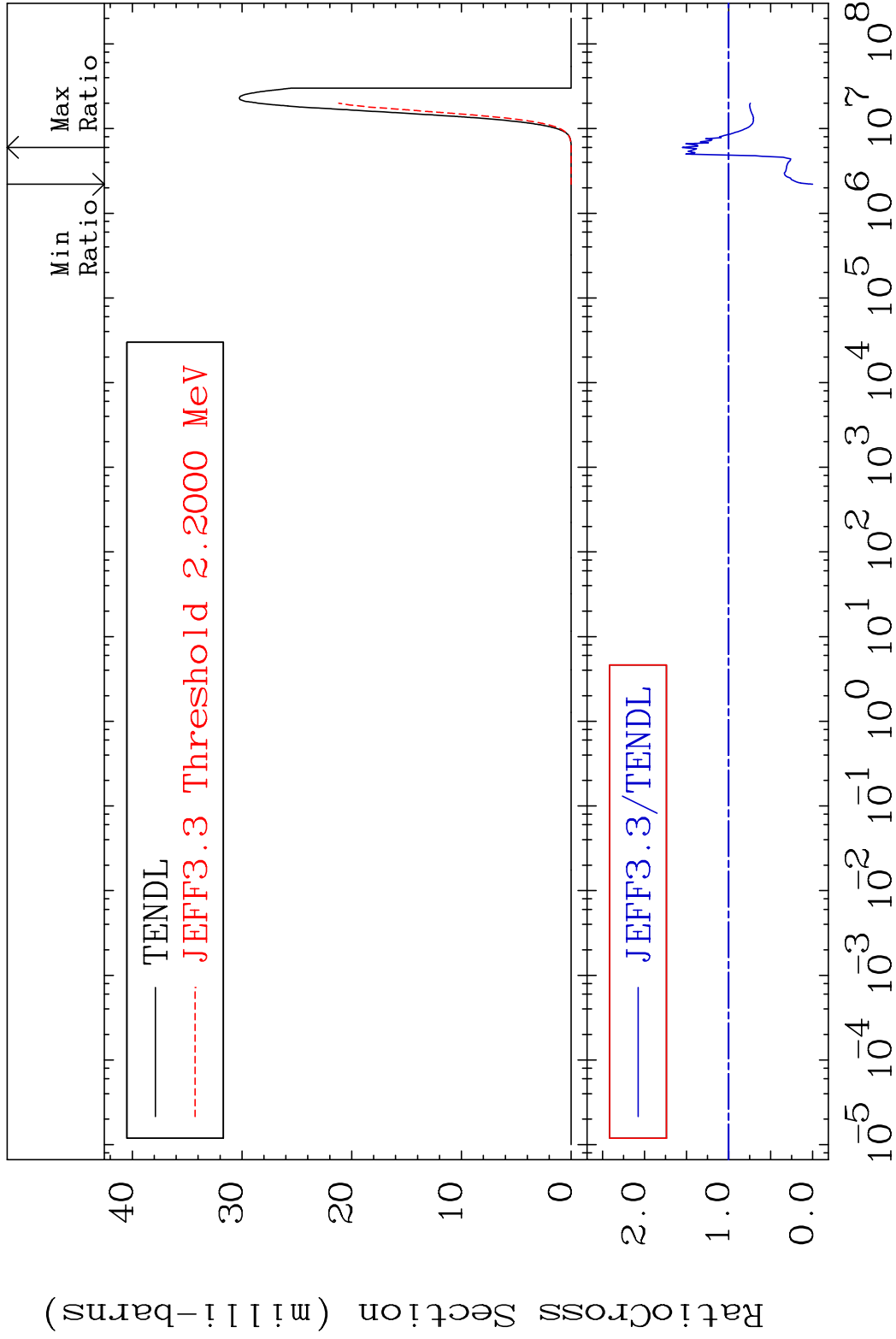
72-Hf-177

MAT 7234

(n, p)

72-Hf-177

Cross Section -100.0 To 55.04 %

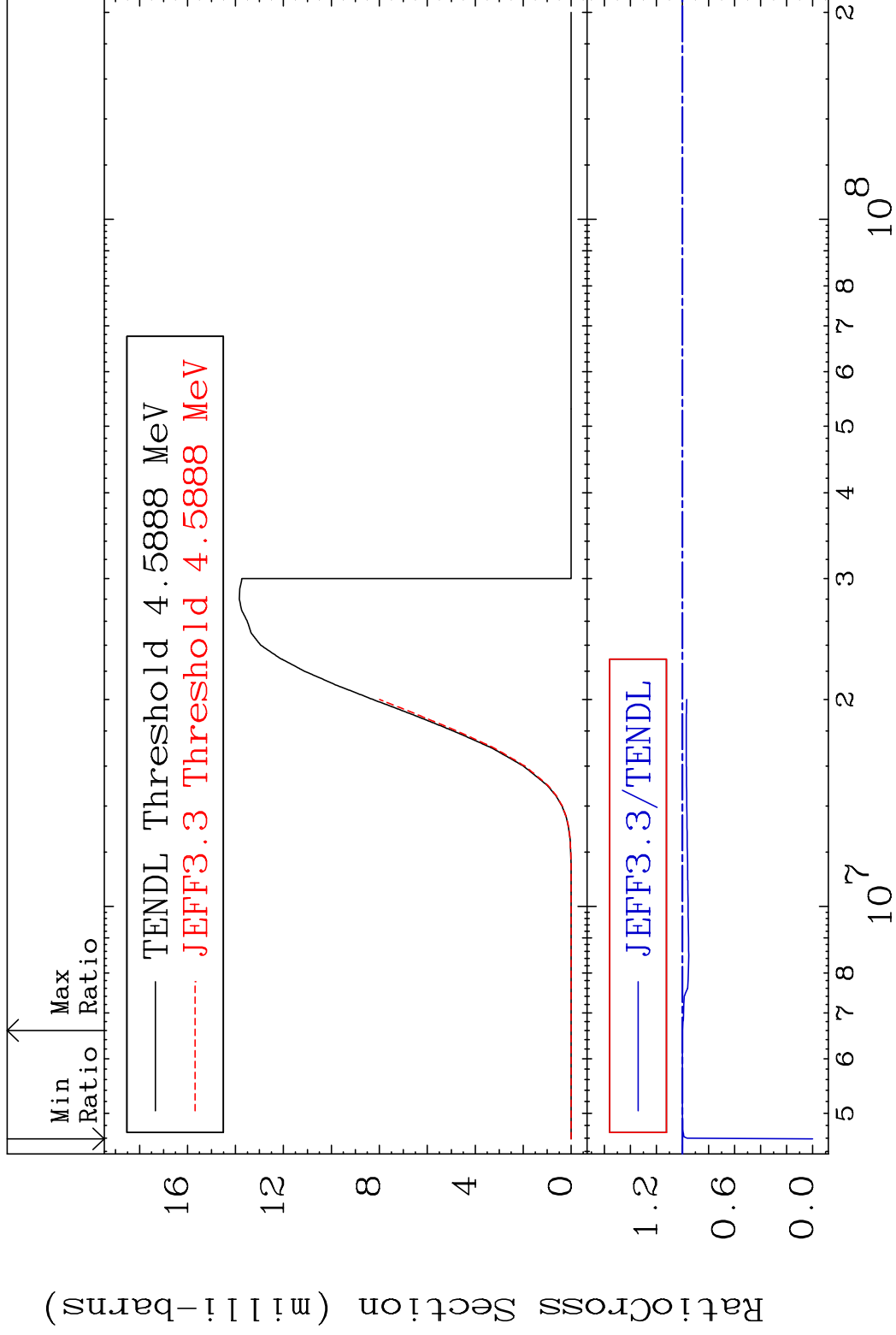


MAT 7234

(n,d)

72-Hf-177

Cross Section -100.0 To 0.108 %



39

Incident Energy (eV)

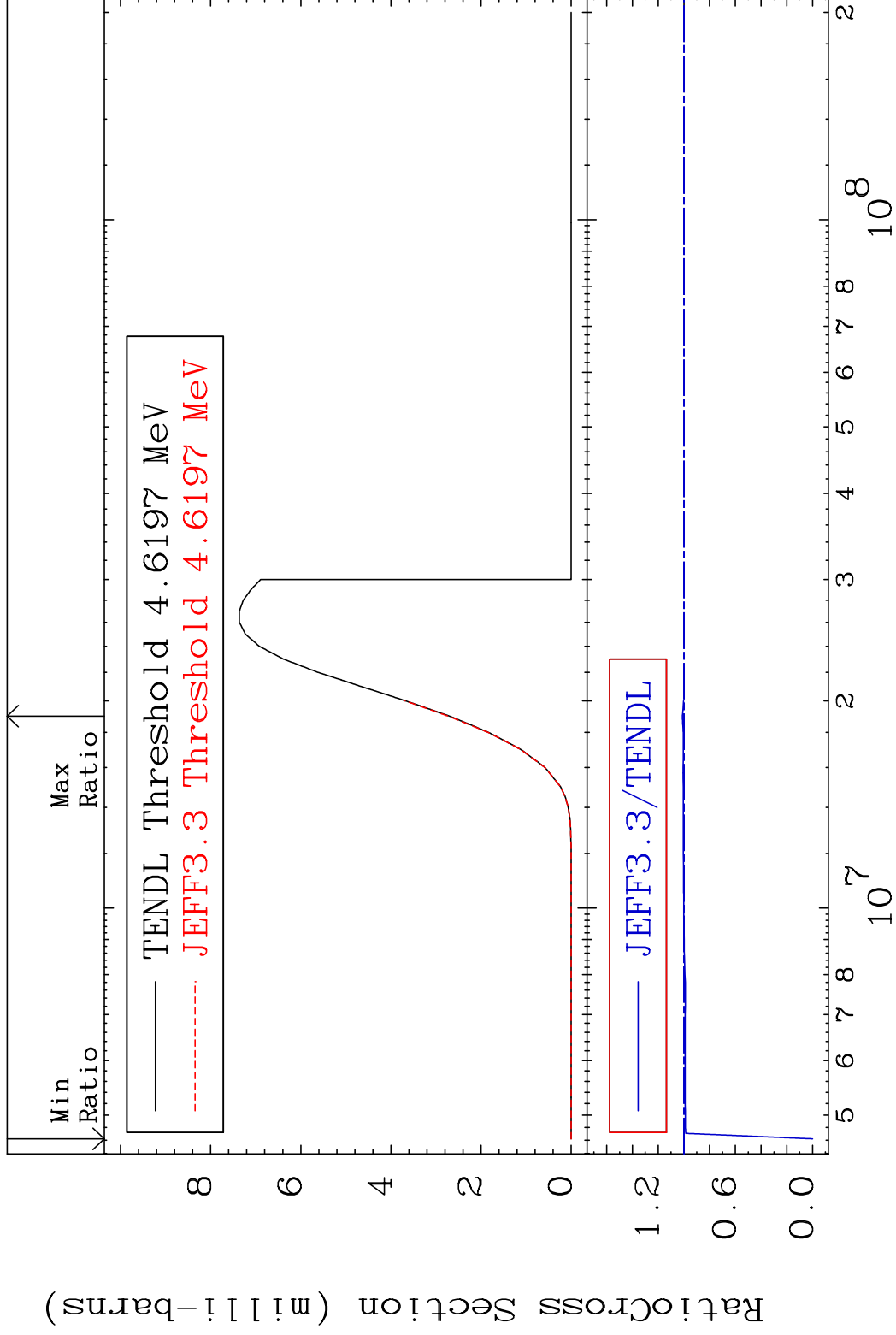
72-Hf-177

MAT 7234

(n, t)

72-Hf-177

Cross Section -100.0 To 1.197 %



40

Incident Energy (eV)

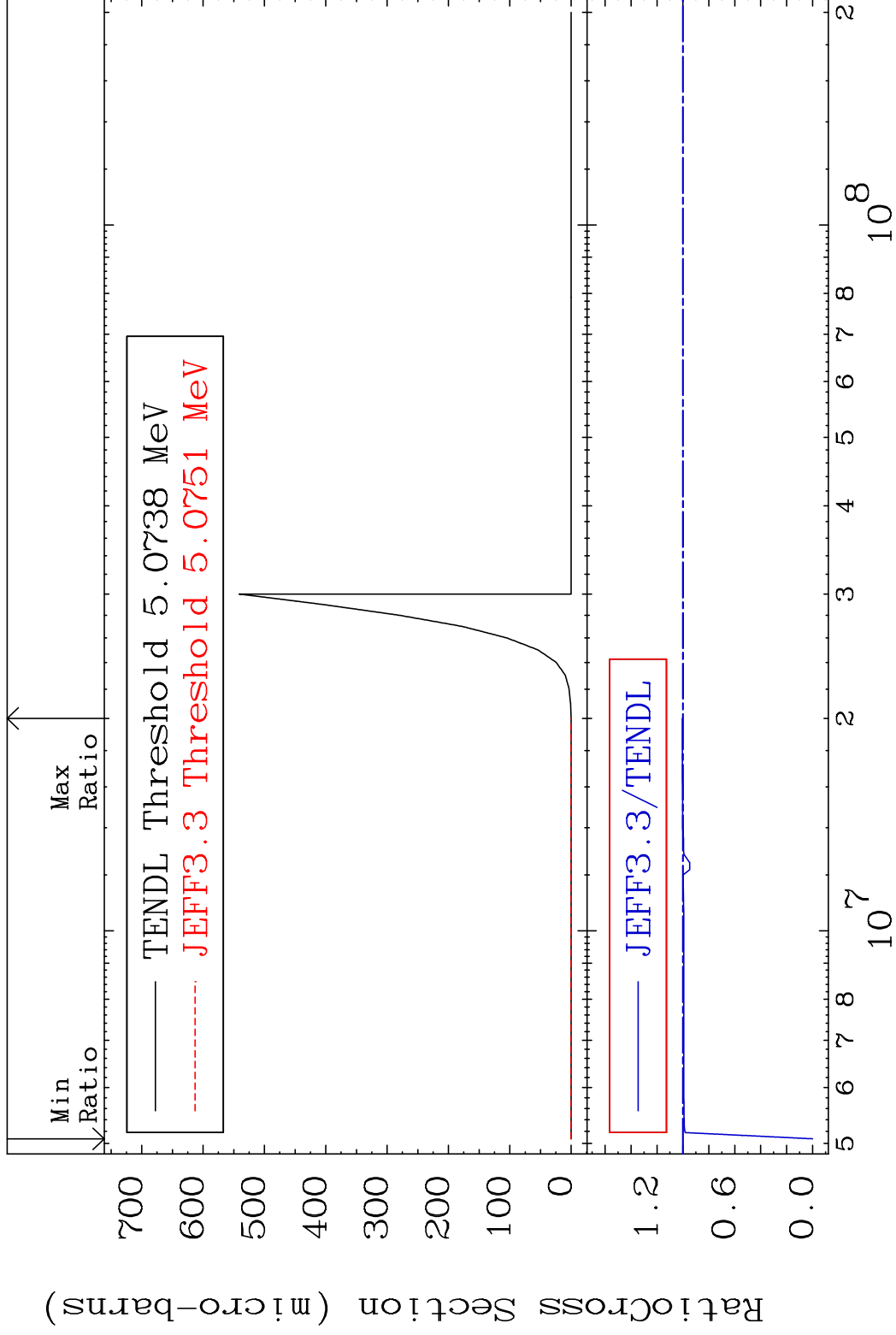
72-Hf-177

MAT 7234

(n, He-3)

72-Hf-177

Cross Section -100.0 To 0.424 %



41

Incident Energy (eV)

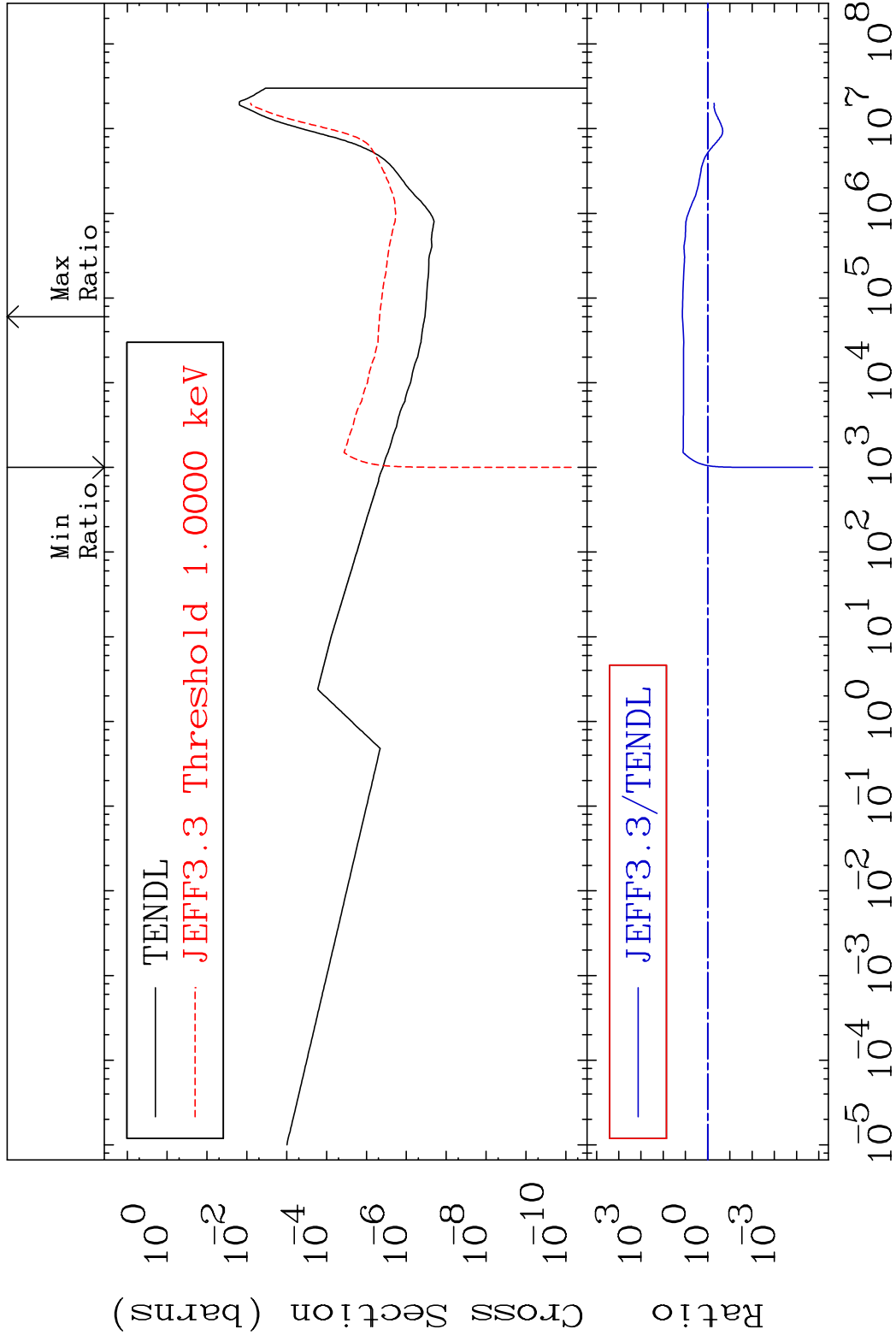
72-Hf-177

MAT 7234

(n, α)

72-Hf-177

Cross Section -100.0 To 1276. %



42

Incident Energy (eV)

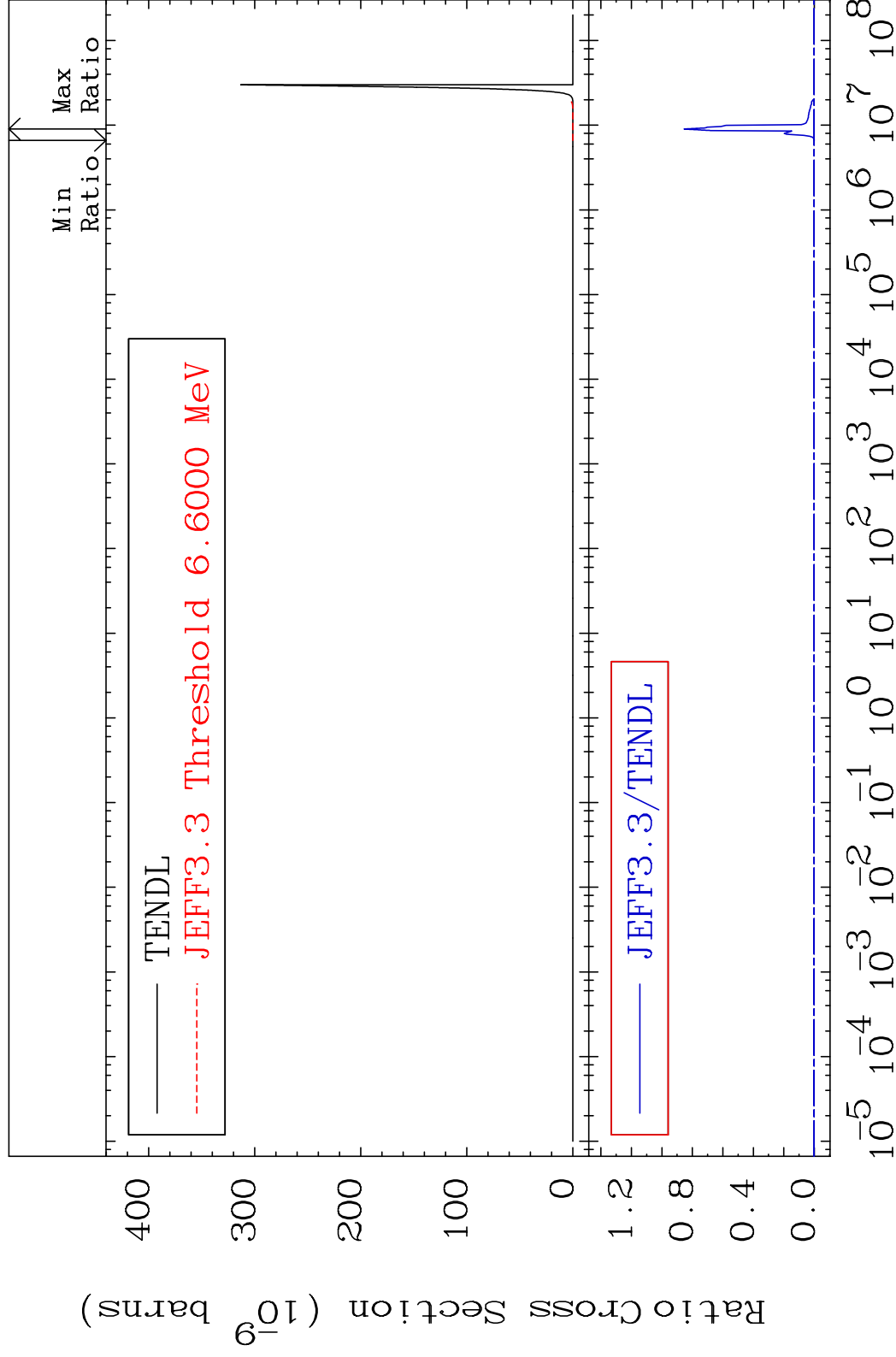
72-Hf-177

MAT 7234

(n,p) α

72-Hf-177

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

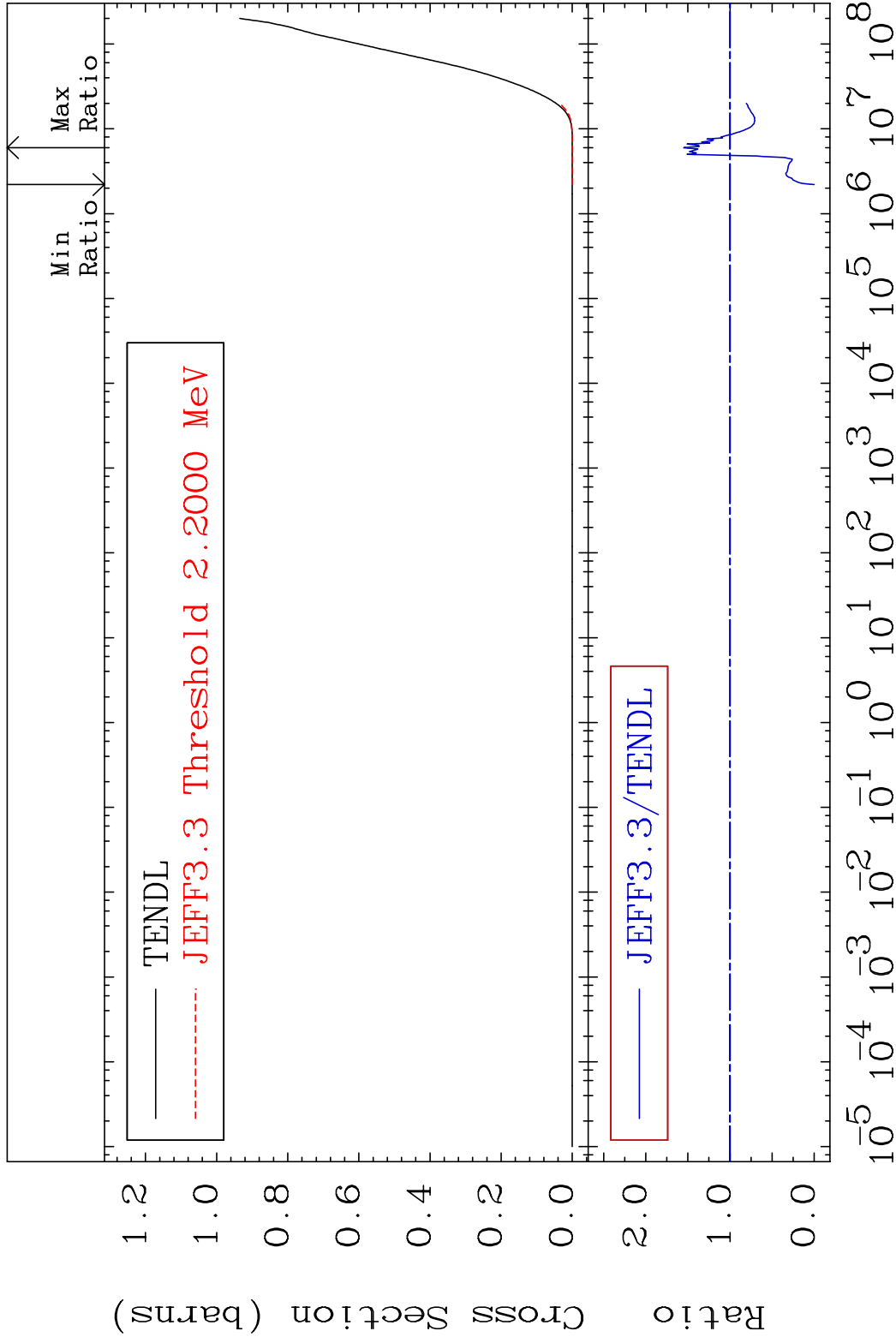
72-Hf-177

MAT 7234

Hydrogen Production

72-Hf-177

Cross Section -100.0 To 55.04 %



44

Incident Energy (eV)

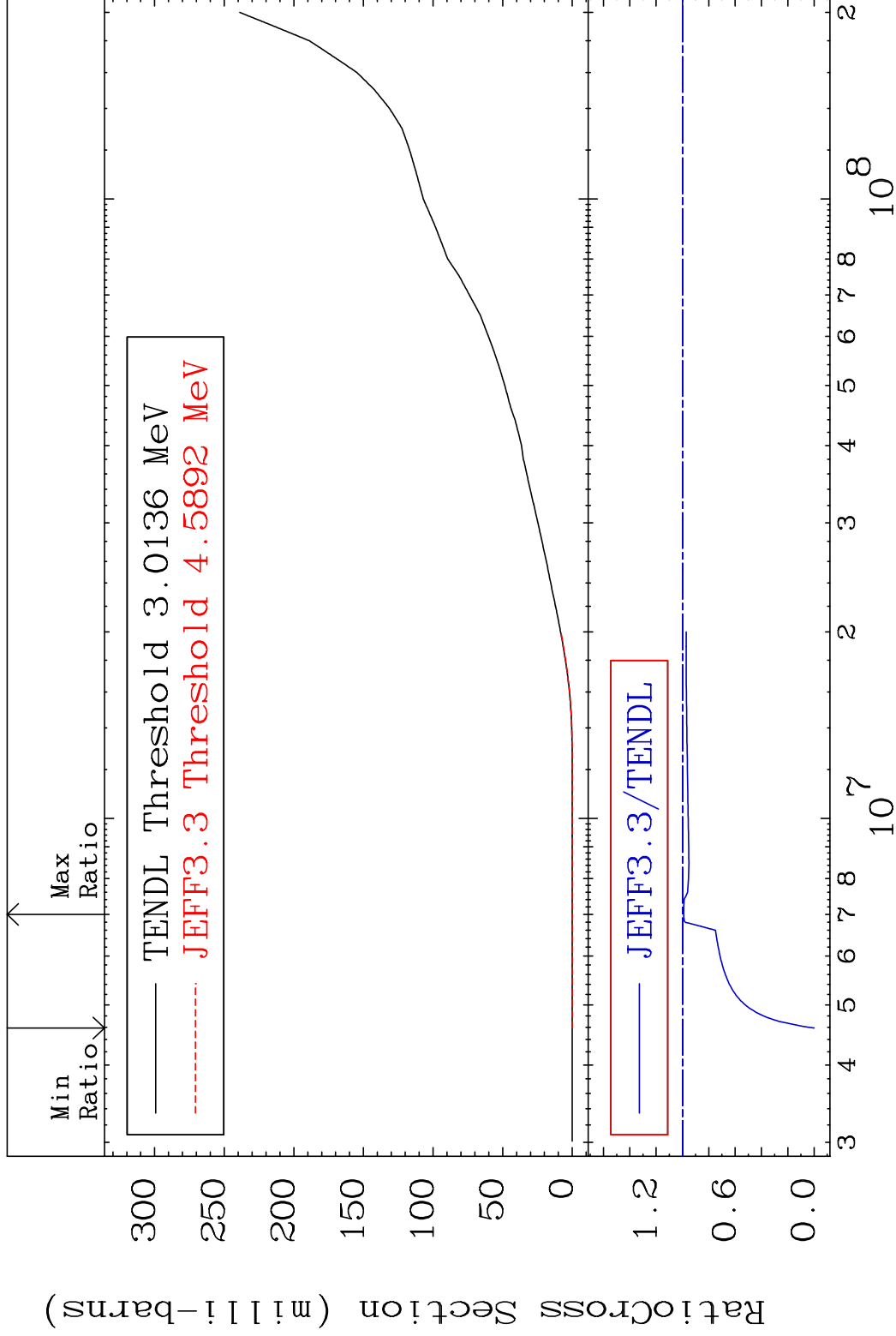
72-Hf-177

MAT 7234

Deuterium Production

72-Hf-177

Cross Section -100.0 To -0.902%



45

Incident Energy (eV)

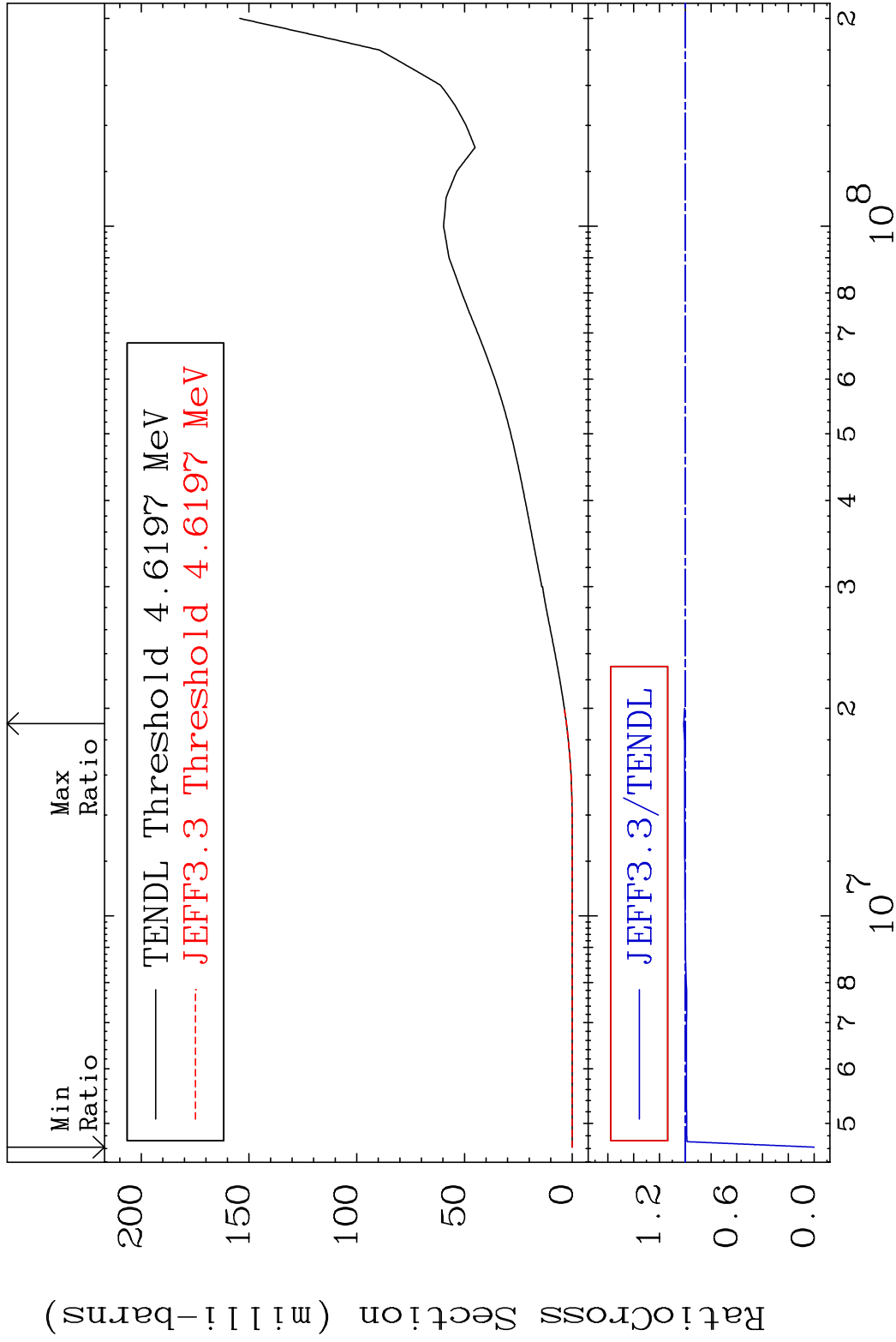
72-Hf-177

MAT 7234

Tritium Production

72-Hf-177

Cross Section -100.0 To 1.218 %



46

Incident Energy (eV)

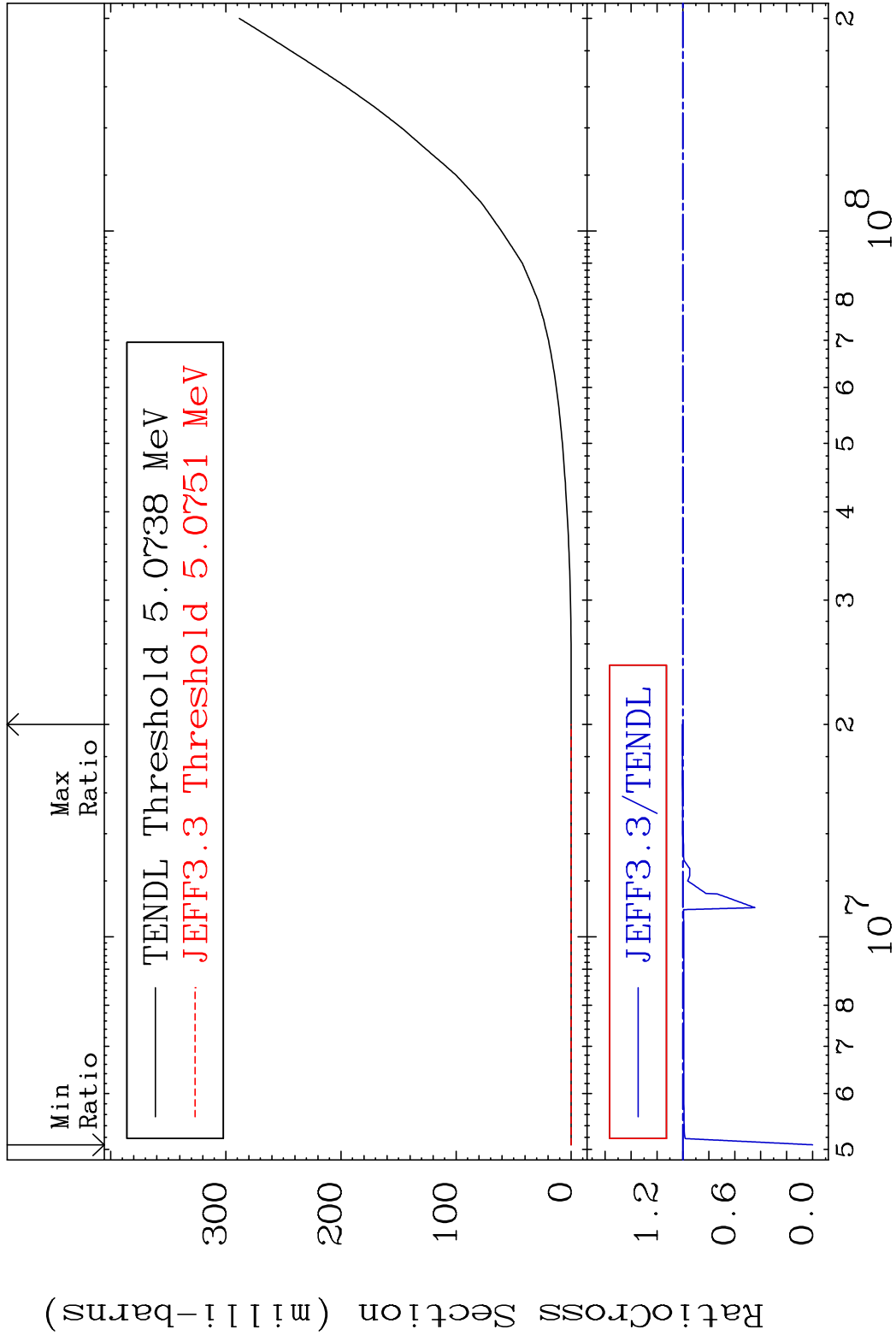
72-Hf-177

MAT 7234

He-3 Production

72-Hf-177

Cross Section -100.0 To 0.423 %



47

Incident Energy (eV)

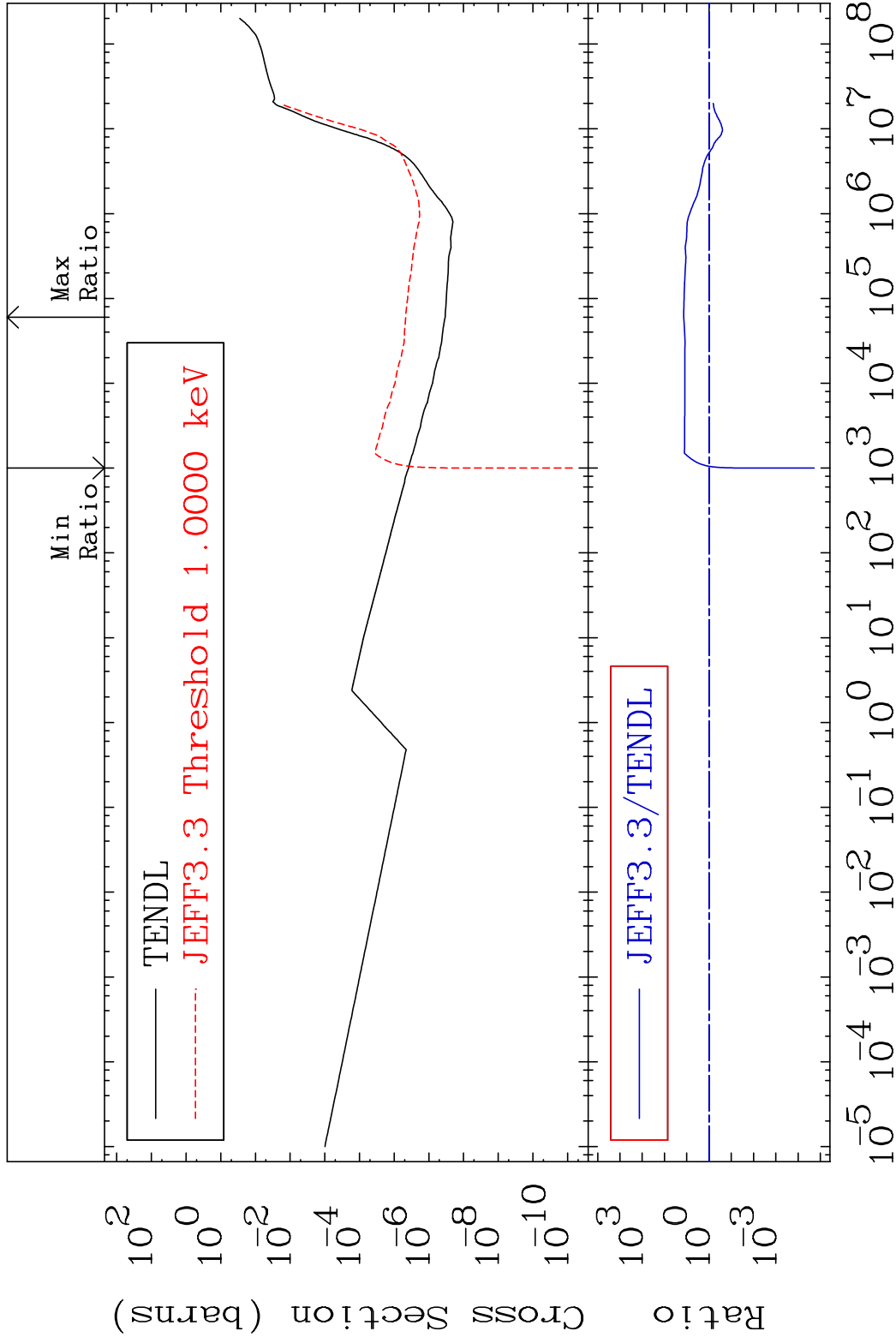
72-Hf-177

MAT 7234

He-4 Production

72-Hf-177

Cross Section -100.0 To 1276. %

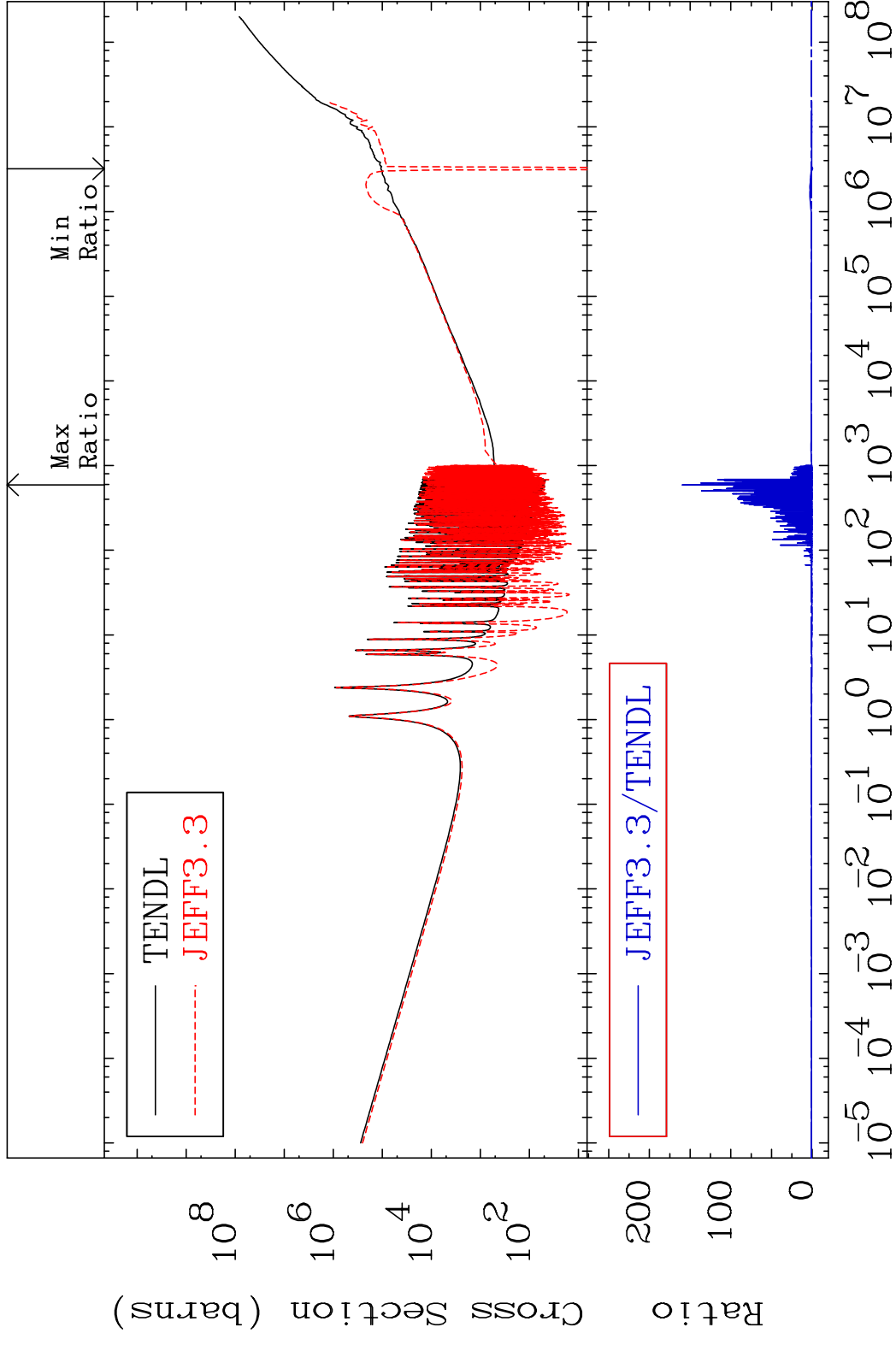


48

Incident Energy (eV)

72-Hf-177

MAT 7234 Kerma total (eV-barns) 72-Hf-177
 Cross Section -136.9 To 9999. %

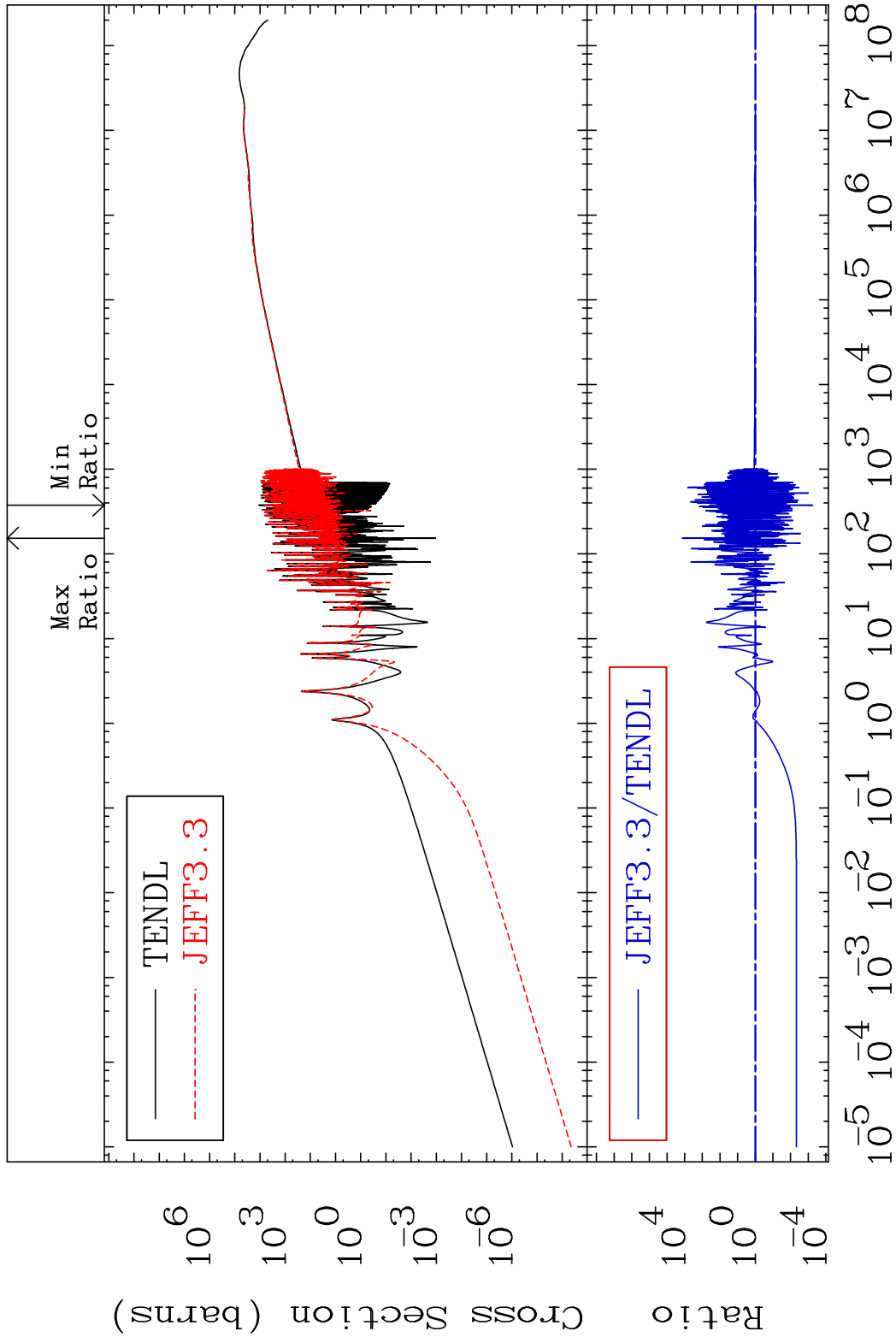


MAT 7234

Kerma elastic

72-Hf-177

Cross Section -99.94 To 9999. %

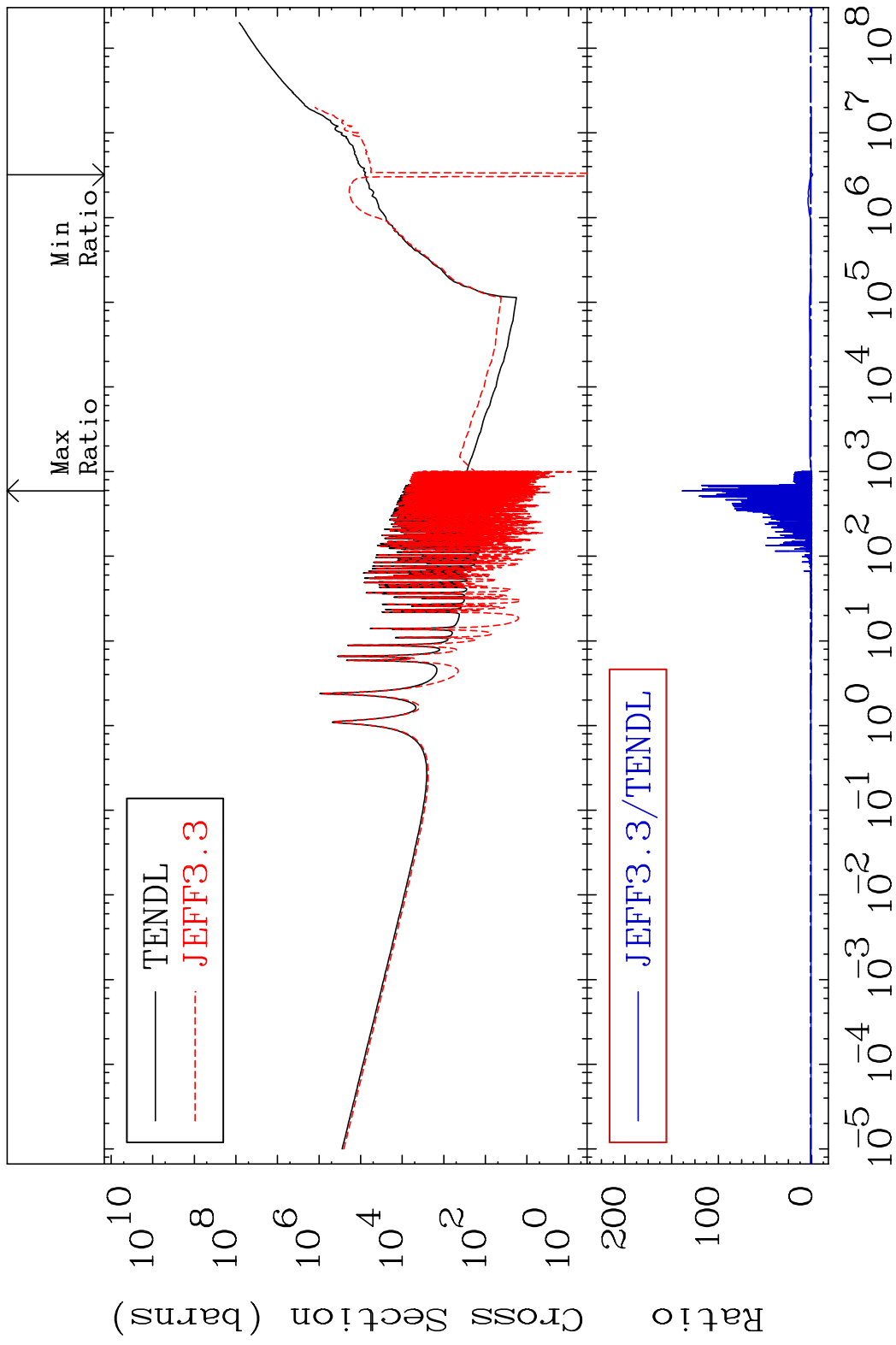


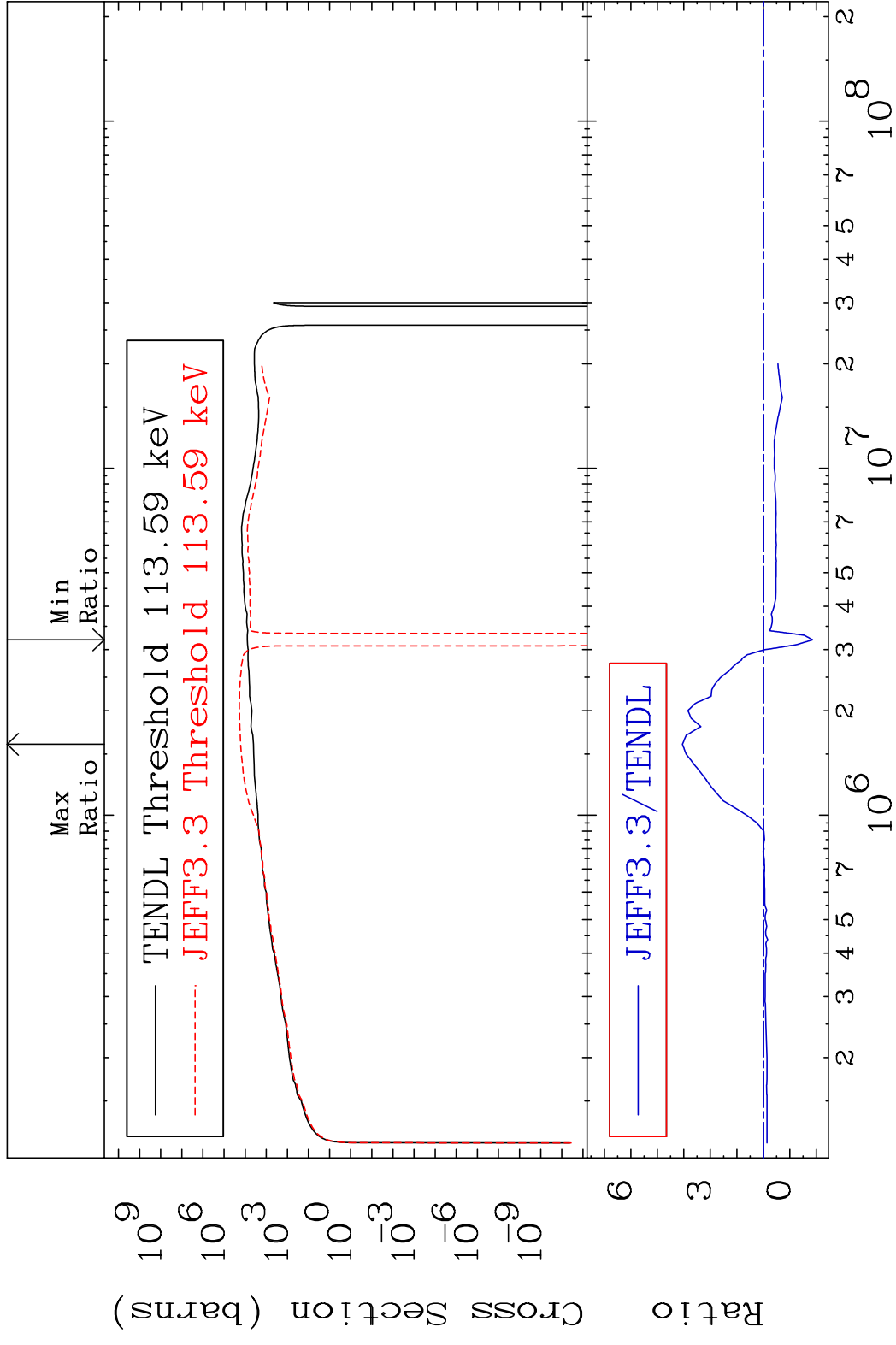
50

Incident Energy (eV)

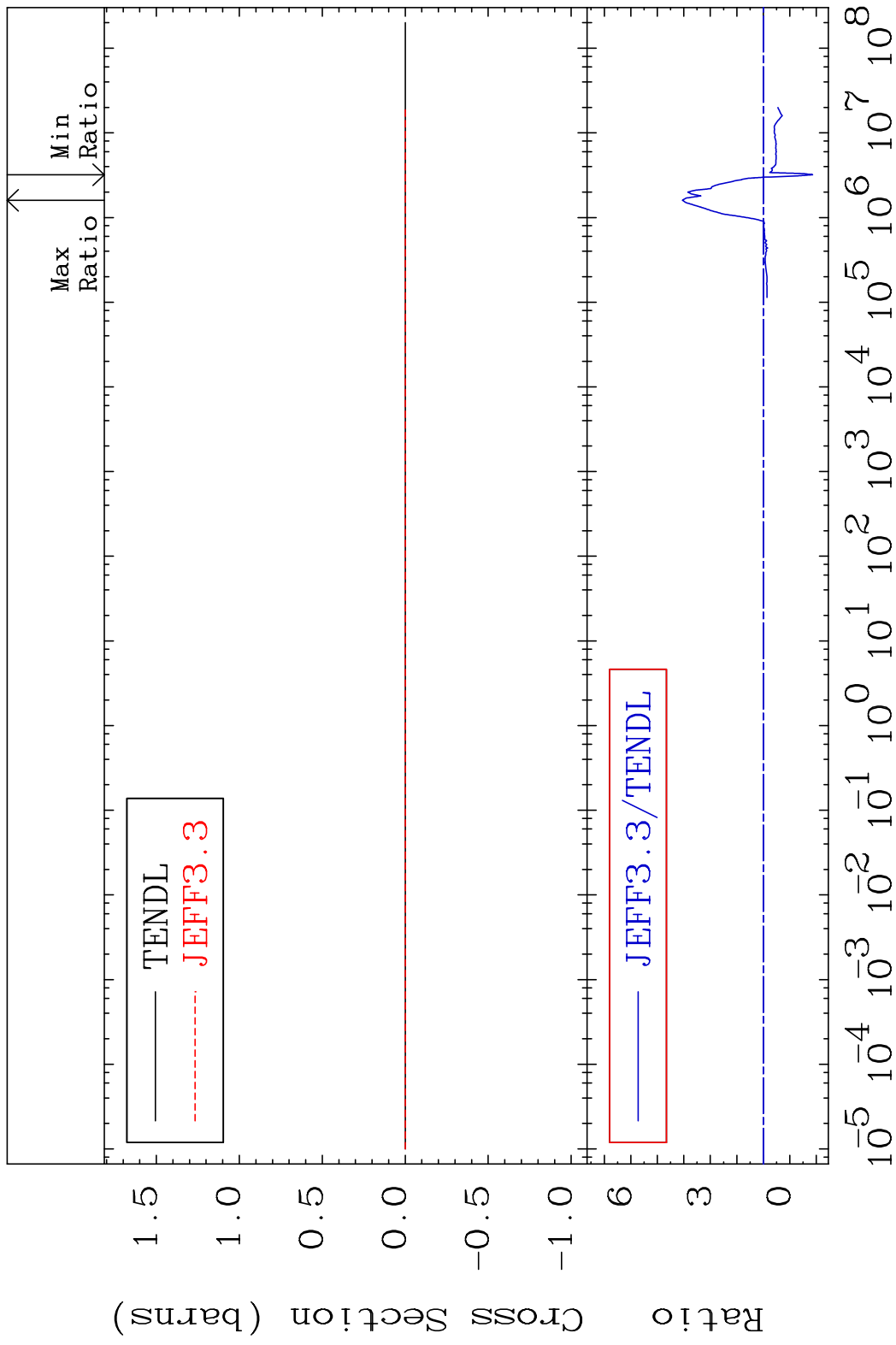
72-Hf-177

MAT 7234 Kerma non-elastic (all but mt2) 72-Hf-177
 Cross Section -185.7 To 9999. %

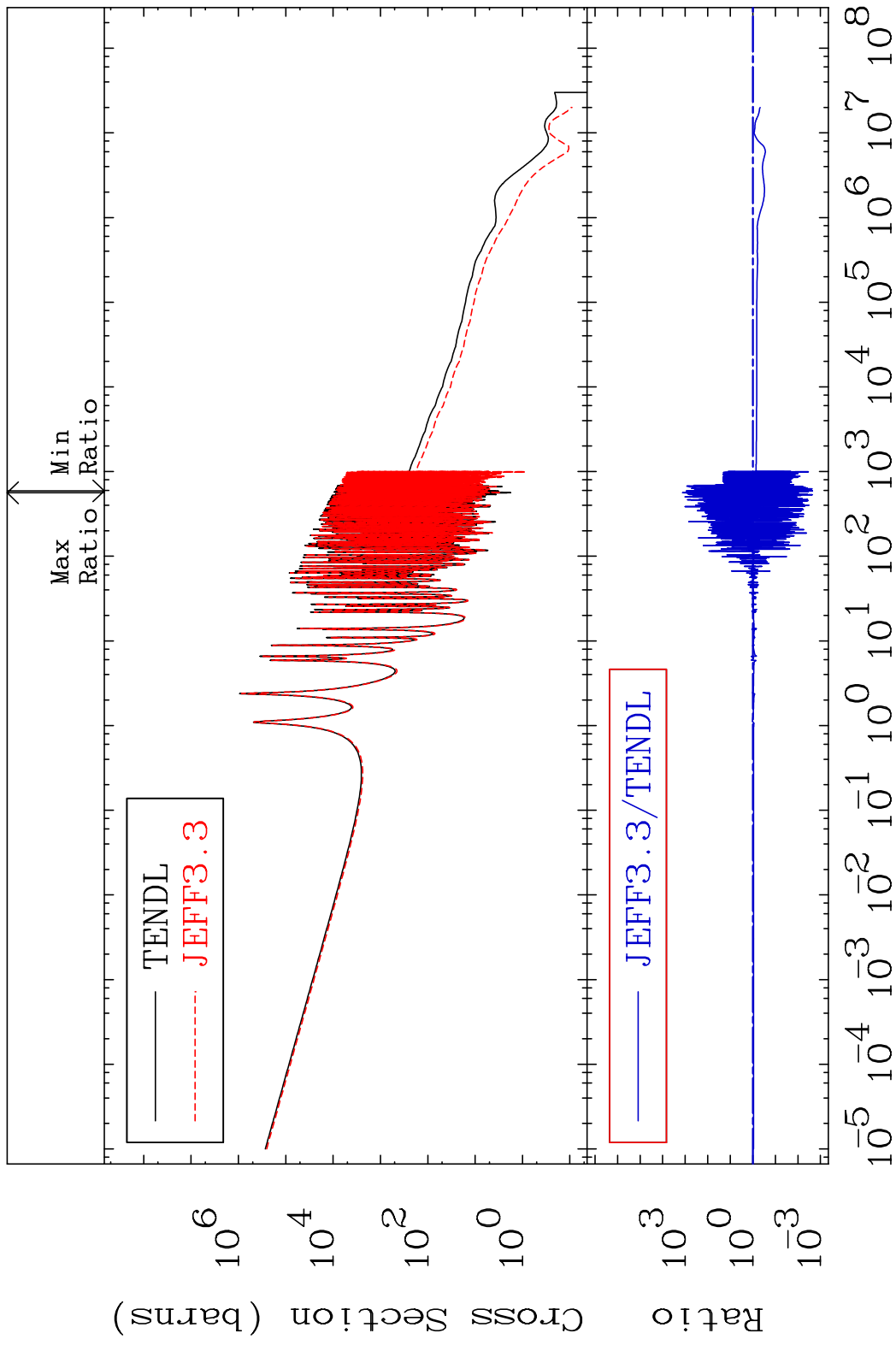




MAT 7234 Kerma fission (mt18 or mt19-20-21-38)72-Hf-177
 Cross Section -185.8 To 305.5 %



MAT 7234 Kerma capture (mt102) 72-Hf-177
 Cross Section -99.78 To 9999. %

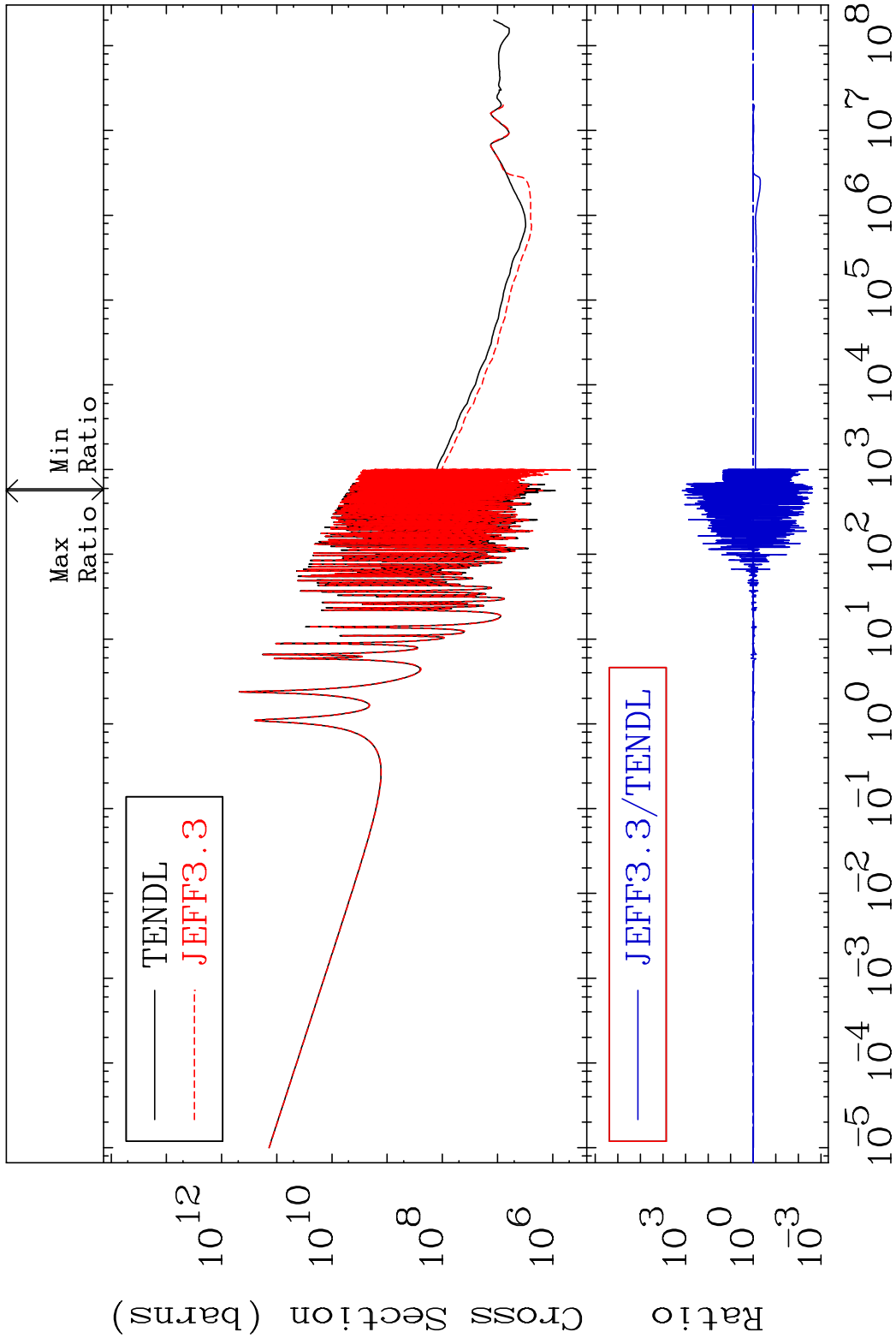


MAT 7234

Total photon (eV-barns)

72-Hf-177

Cross Section -99.76 To 9999. %

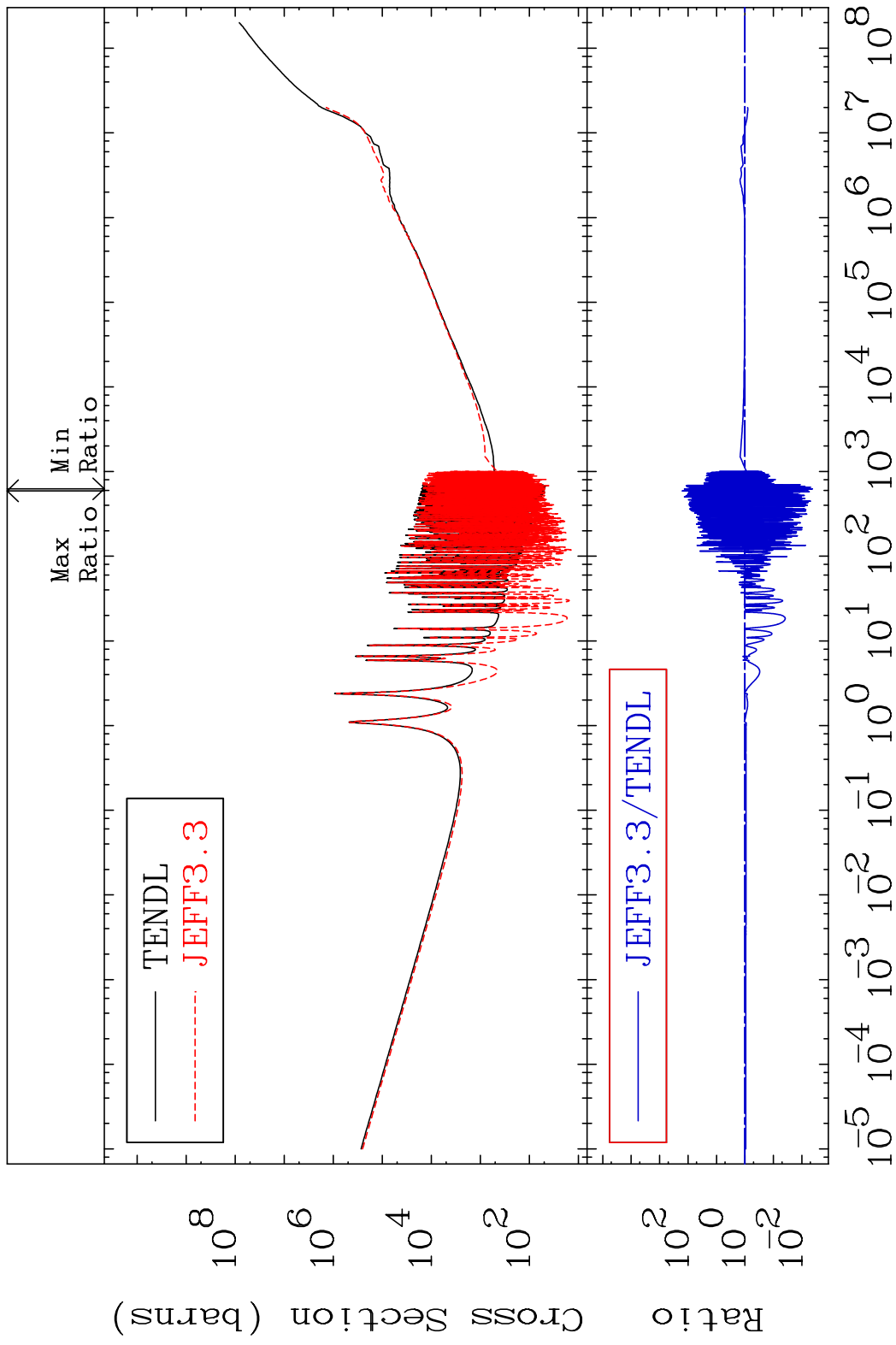


55

Incident Energy (eV)

72-Hf-177

MAT 7234 Total kinematic kerma (high limit) 72-Hf-177
 Cross Section -99.58 To 9999. %

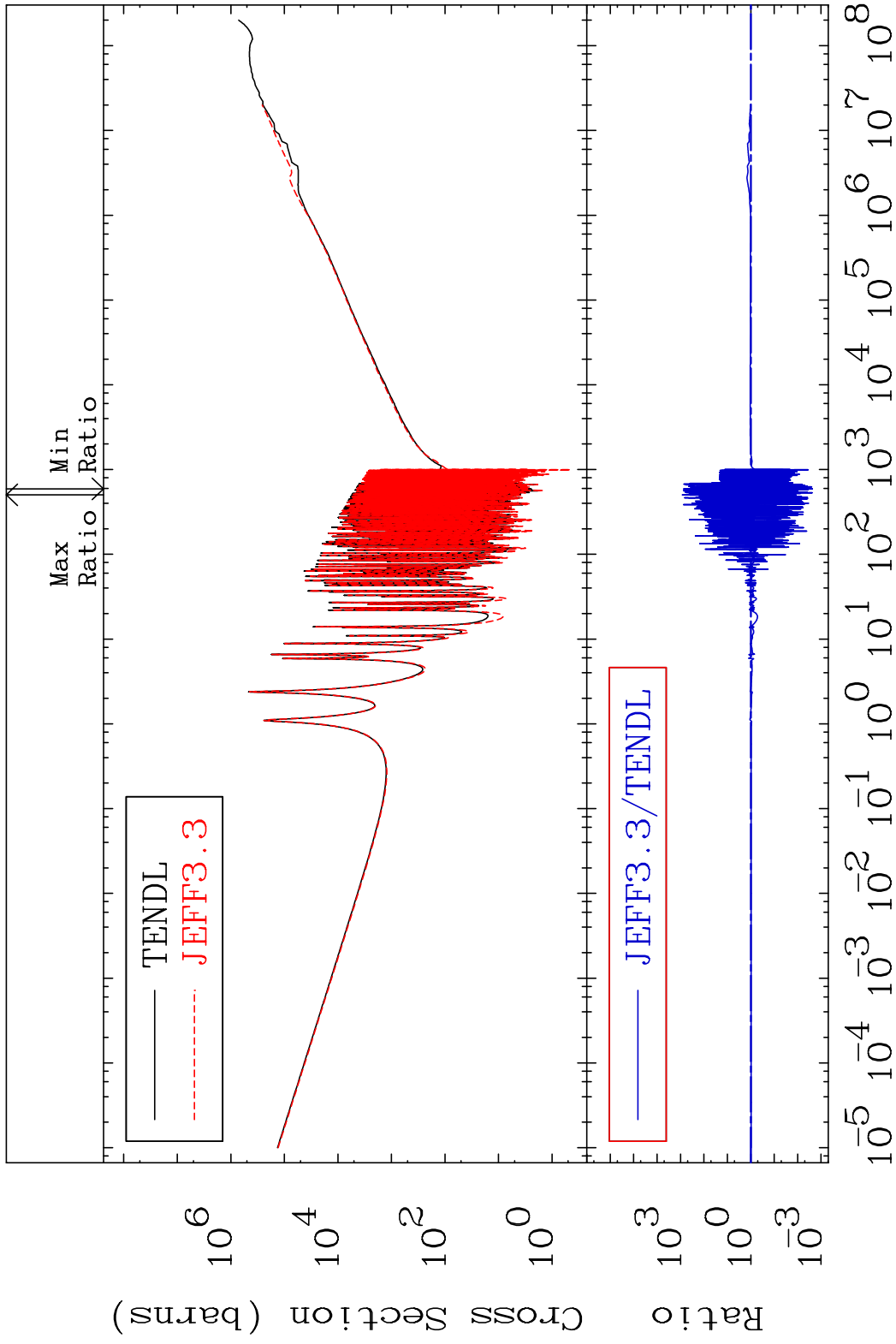


MAT 7234

Dpa total (eV-barns)

72-Hf-177

Cross Section -99.77 To 9999. %



57

Incident Energy (eV)

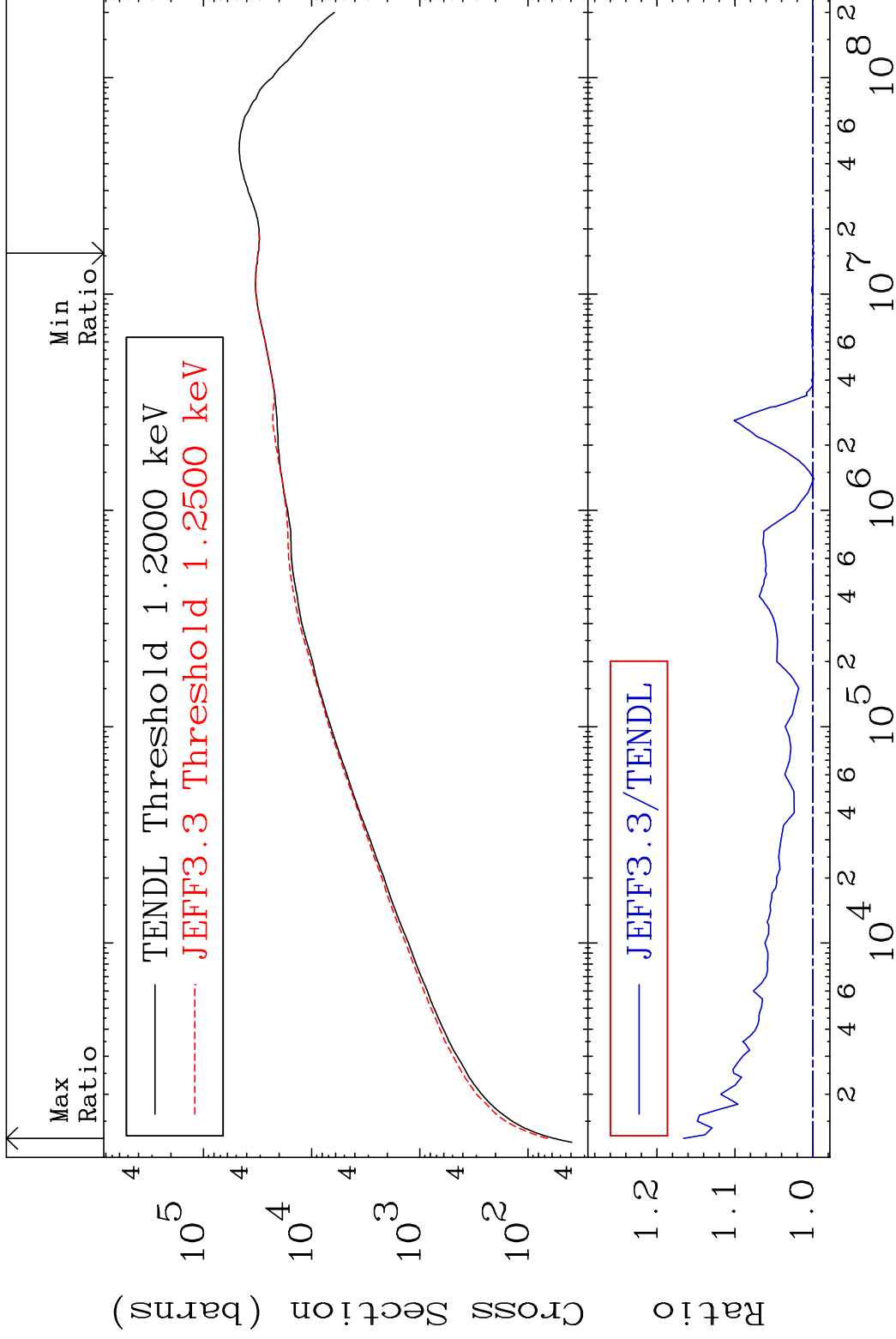
72-Hf-177

MAT 7234

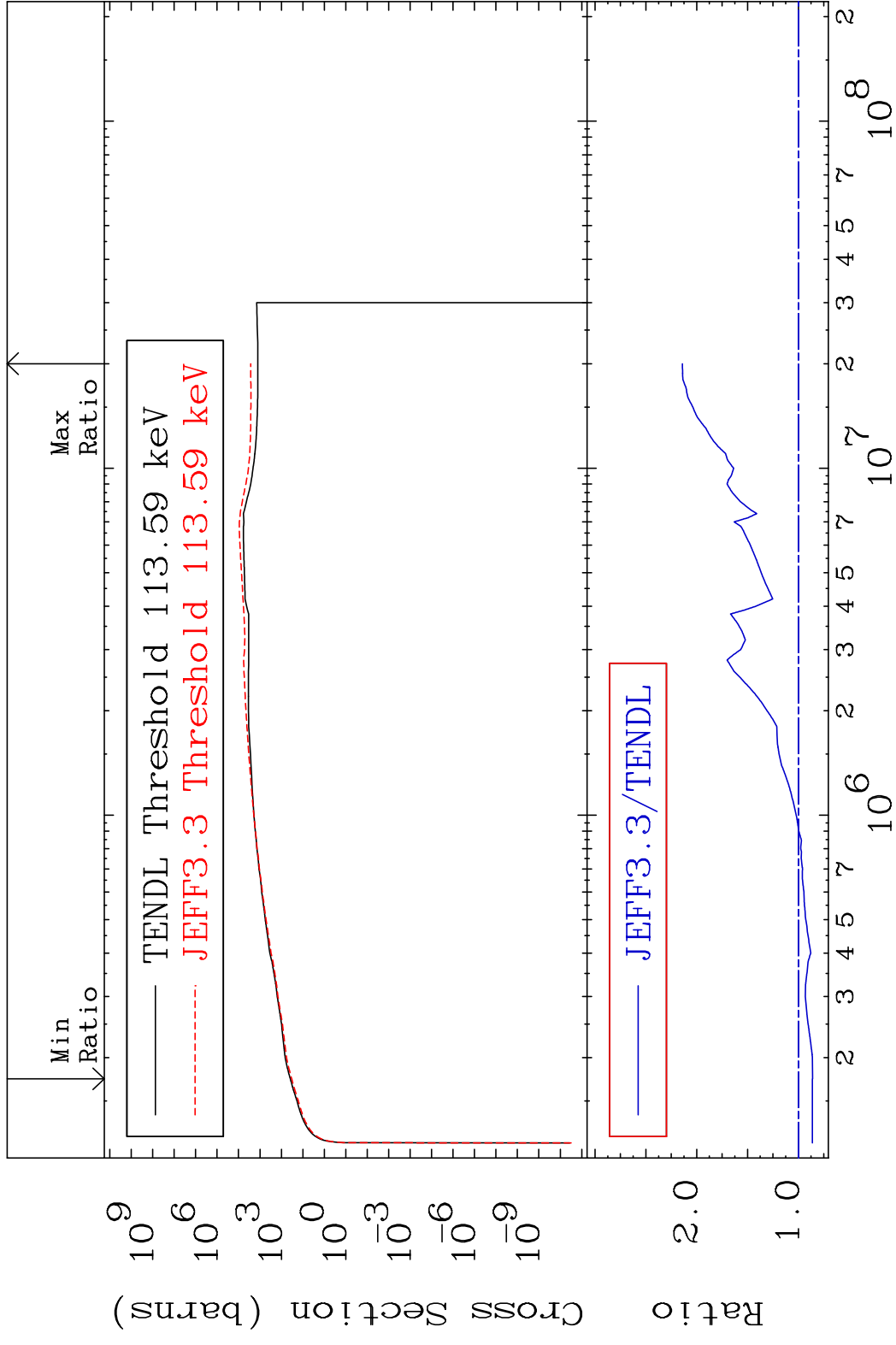
Dpa elastic (mt2)

72-Hf-177

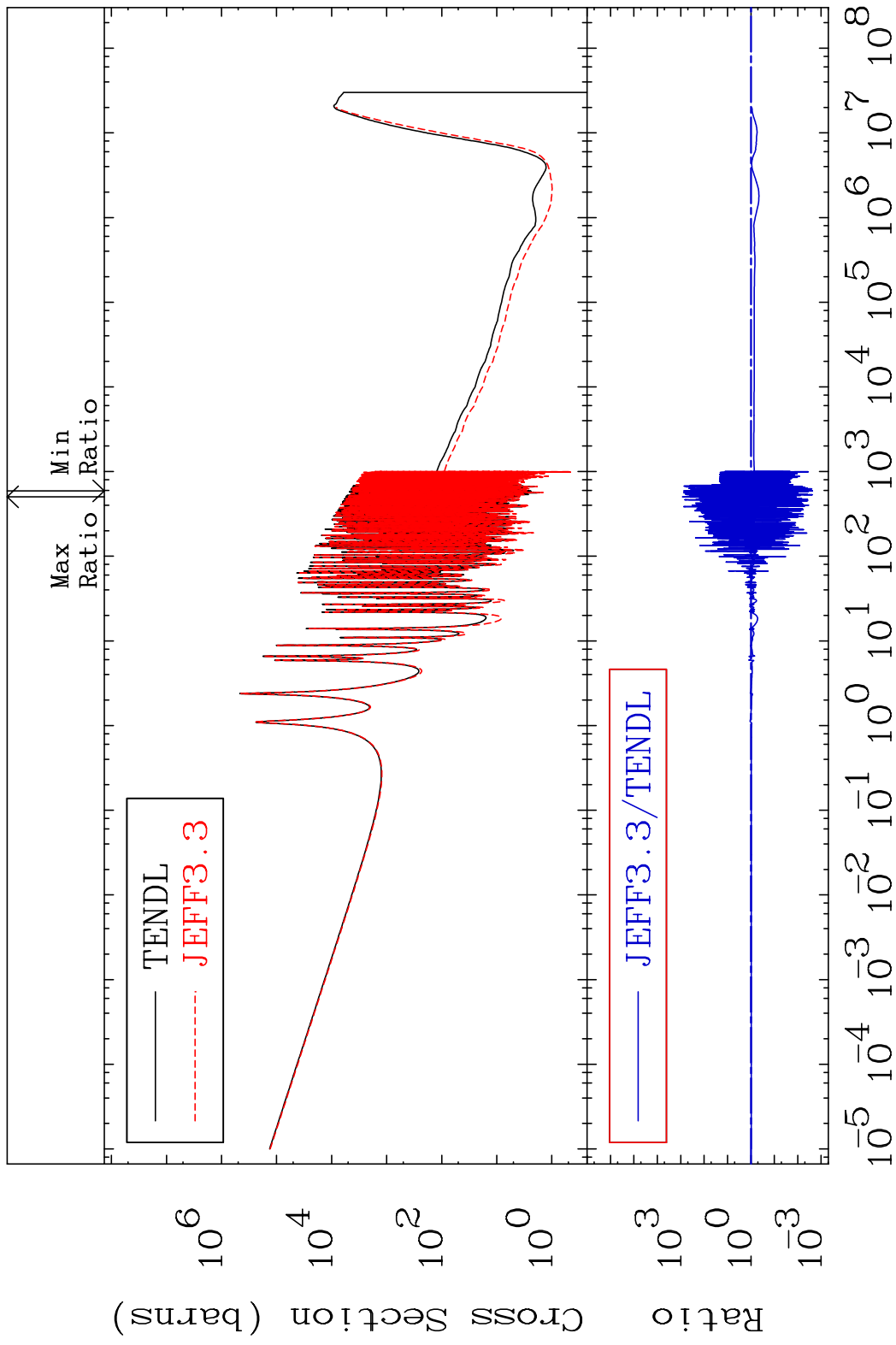
Cross Section -0.168 To 16.60 %



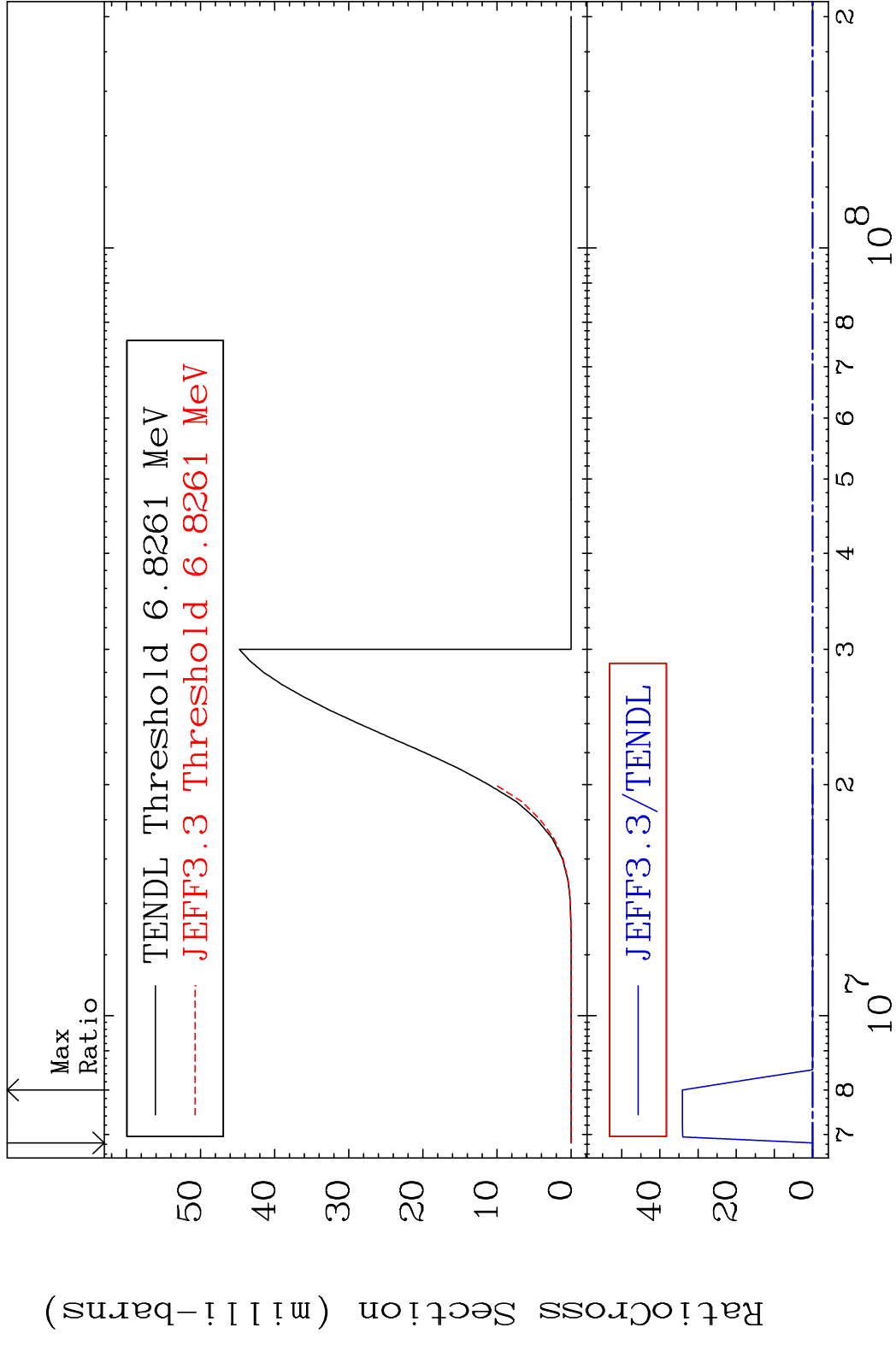
MAT 7234 Dpa inelastic (mt51-91) 72-Hf-177
 Cross Section -13.94 To 114.1 %

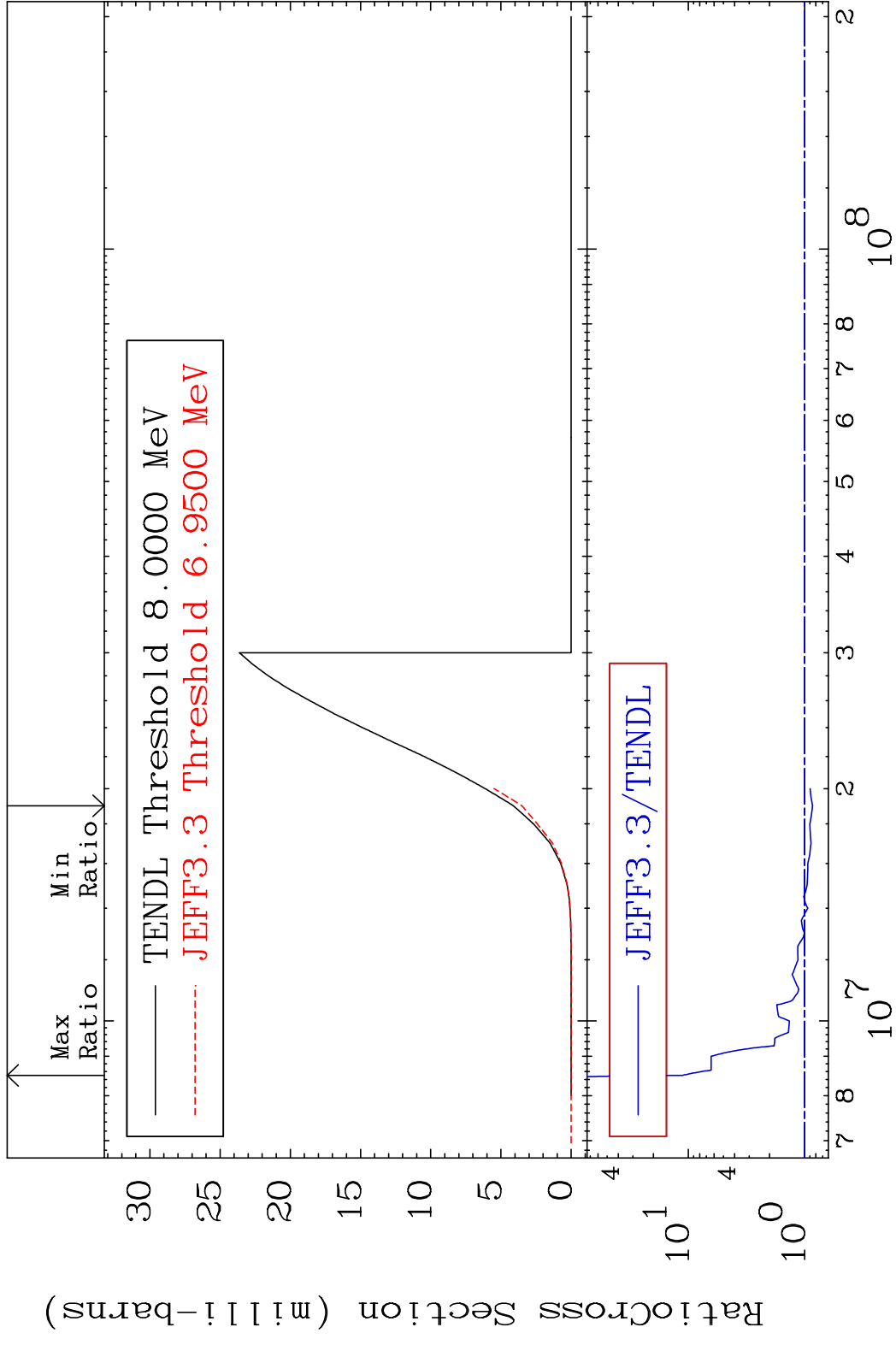


MAT 7234 Dpa disappearance (mt102 -120) 72-Hf-177
 Cross Section -99.77 To 9999. %

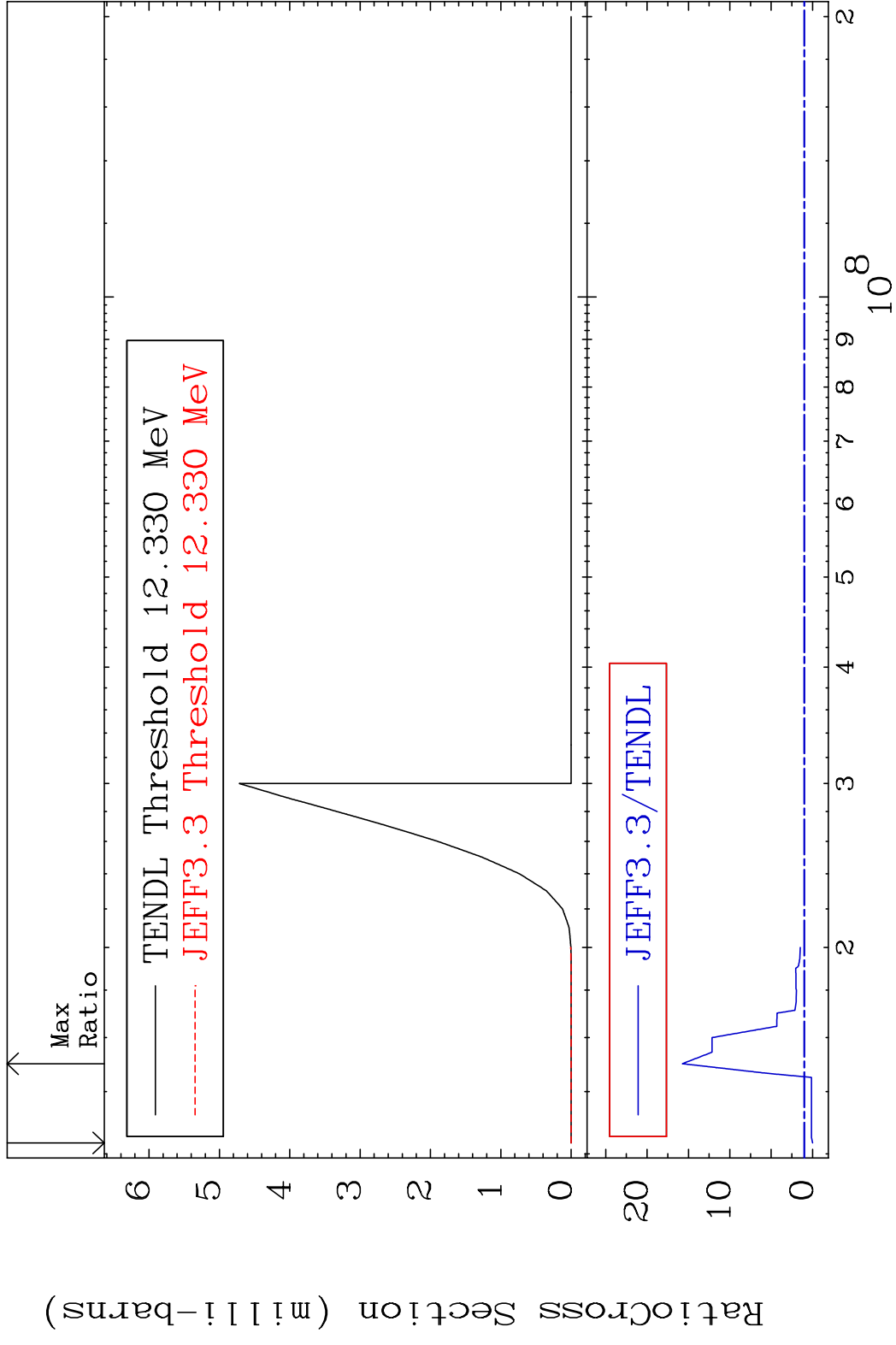


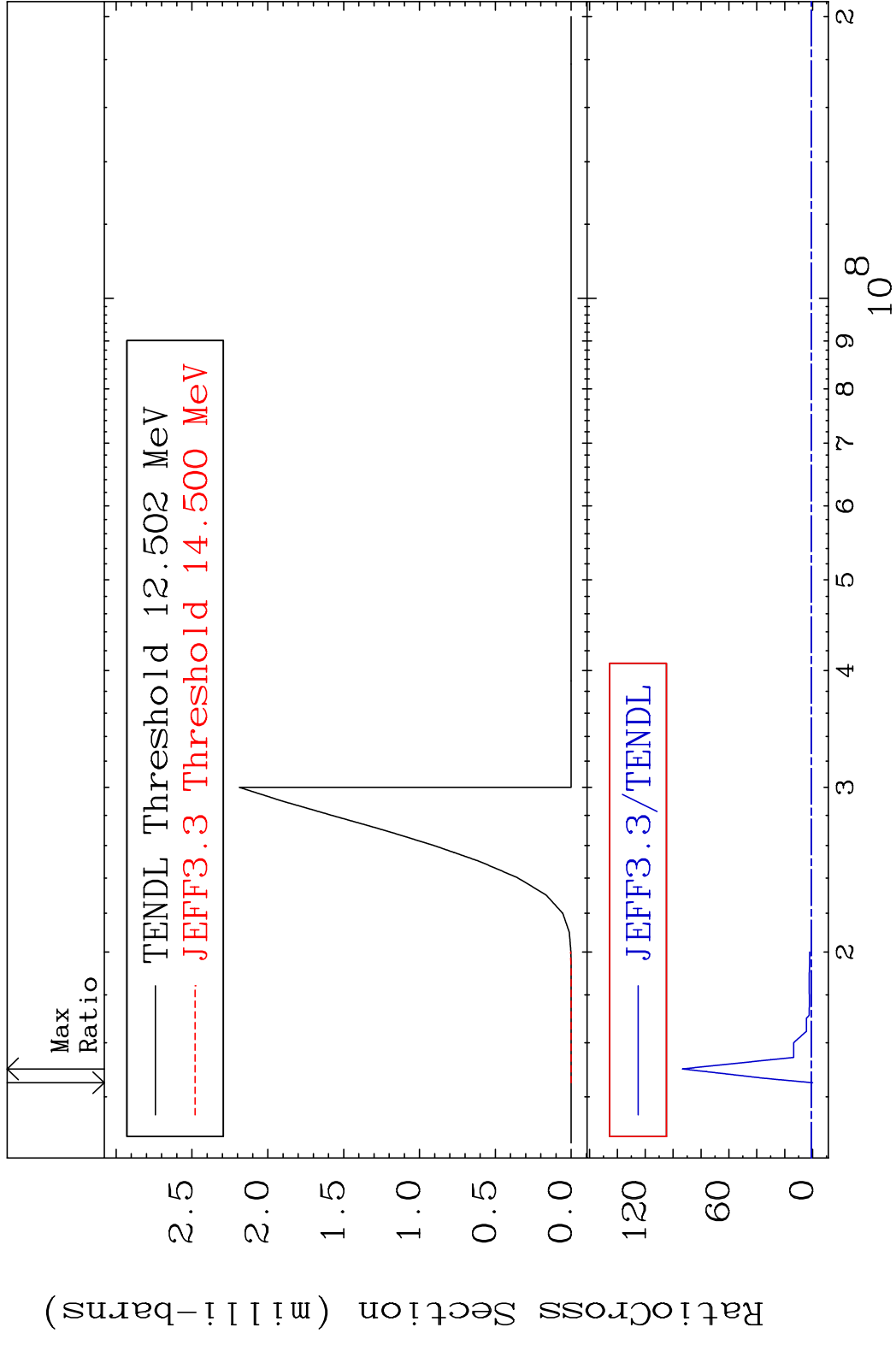
60 Incident Energy (eV) 72-Hf-177



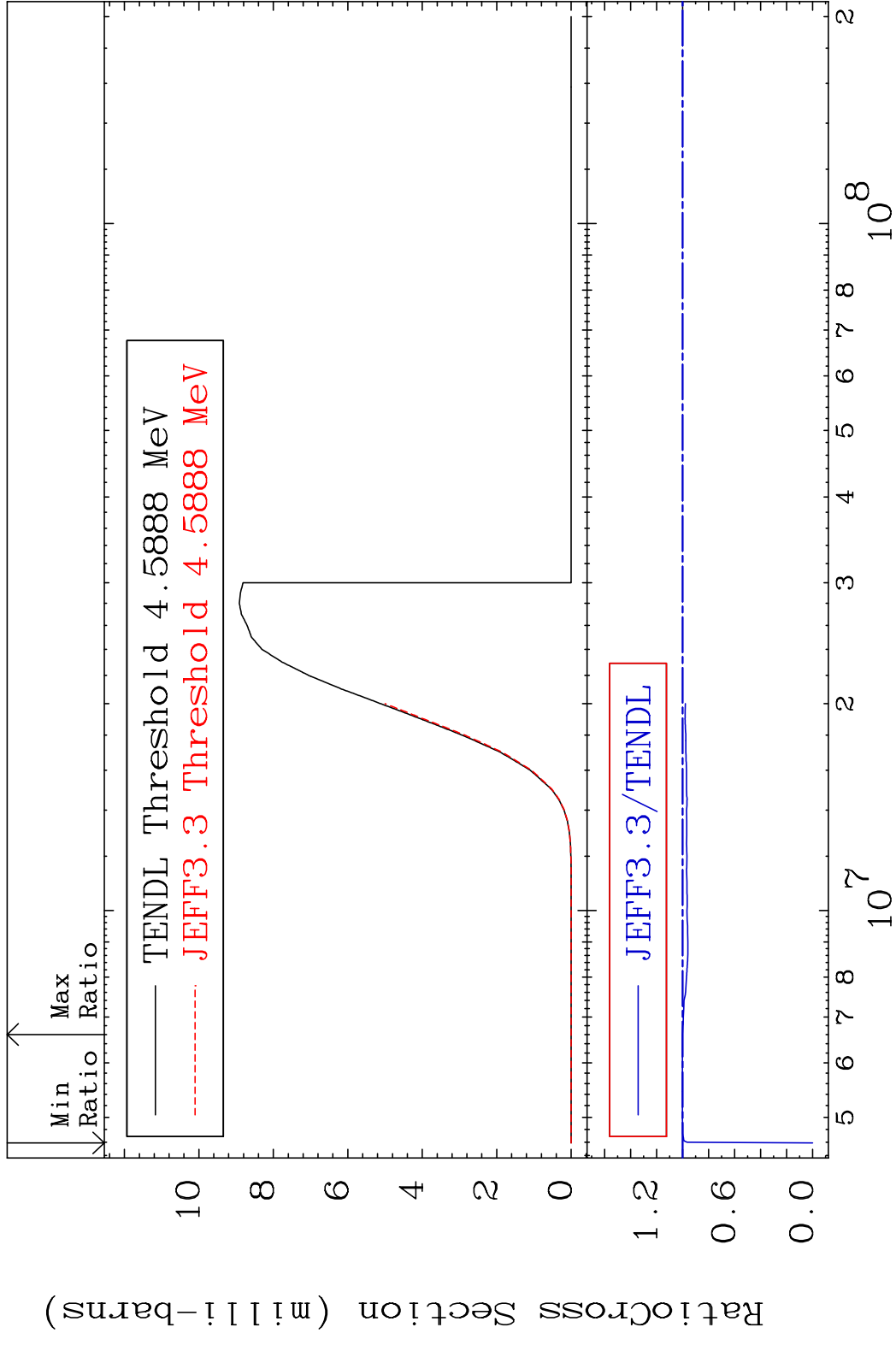


MAT 7234 (n, n') t:71-Lu-174g 72-Hf-177
 Radionuclide Production Cross Section 1800 d to 1474. %





MAT 7234 (n, d):71-Lu-176g 72-Hf-177
 Radionuclide Production Cross Section 180.0 mb 0.160 %



MAT 7234 (n, d): 71-Lu-176m1 72-Hf-177
 Radionuclide Production Cross Section 5453 d to 0.000 %

