

Program Complot  
(Version 2021-1)

by

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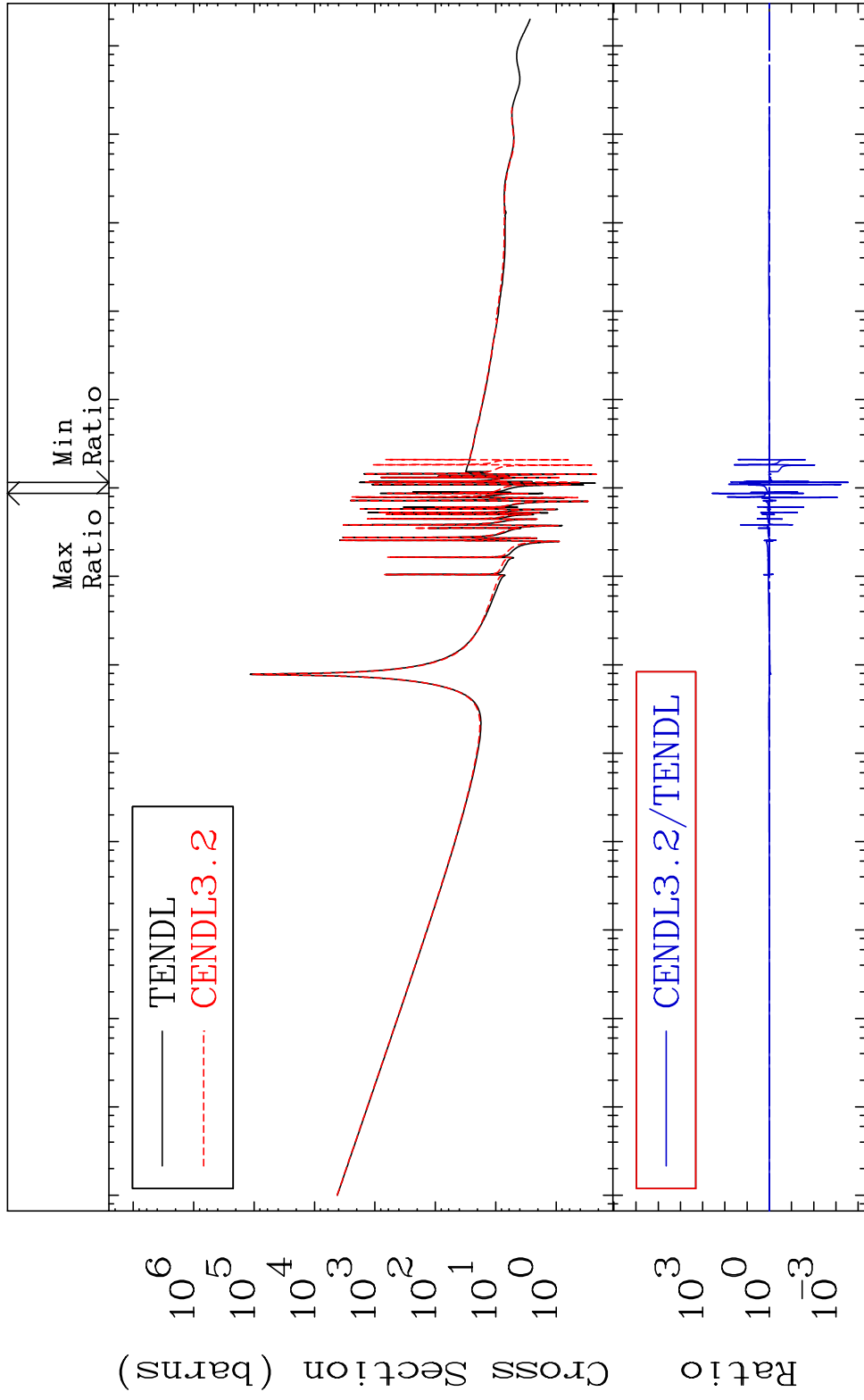
Press Mouse Button to Start

MAT 7237

Total

72-Hf-178

Cross Section -99.97 To 9999. %



1

Incident Energy (eV)

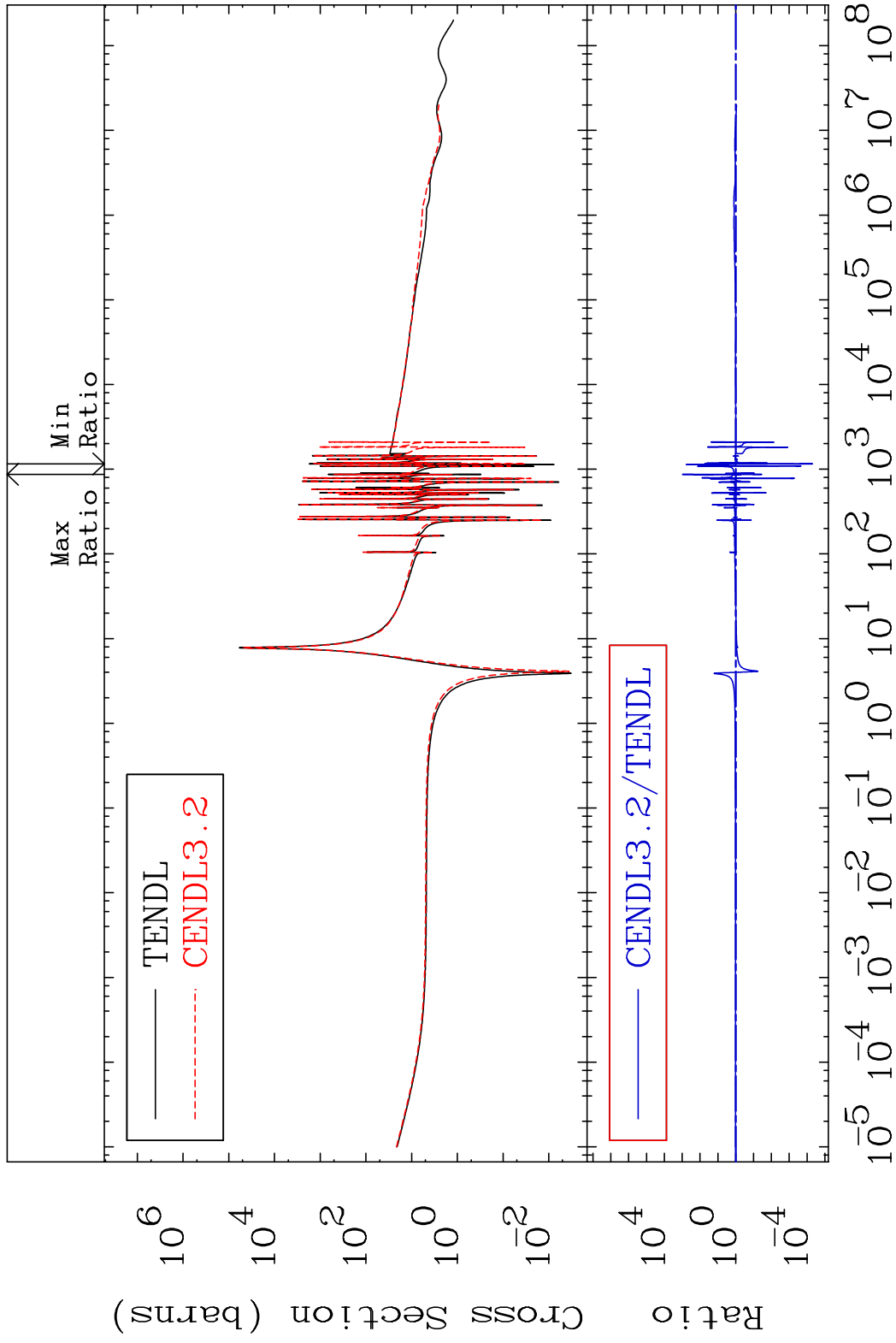
72-Hf-178

MAT 7237

Elastic

72-Hf-178

Cross Section -100.0 To 9999. %

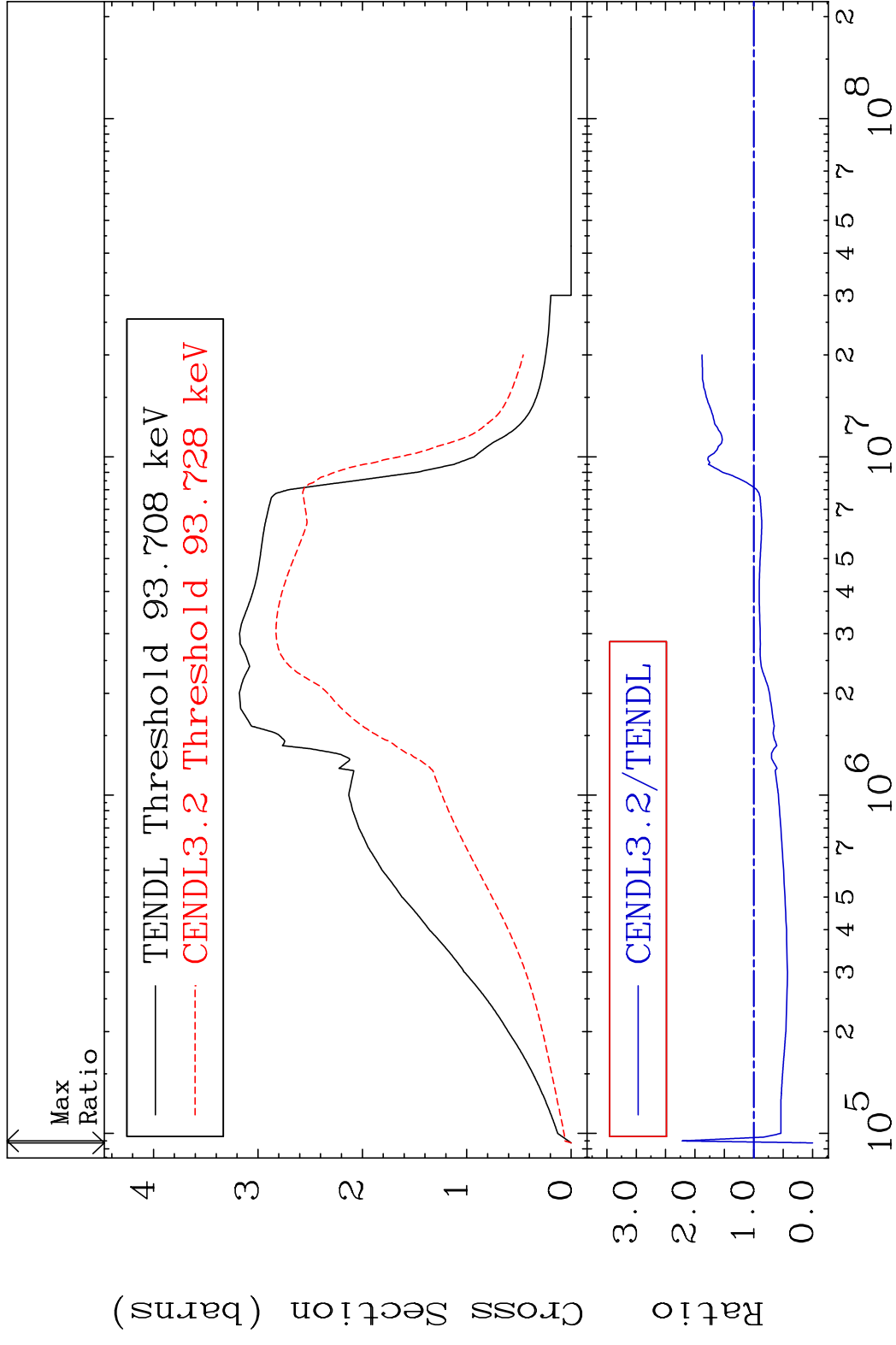


2

Incident Energy (eV)

72-Hf-178

MAT 7237                      Inelastic                      72-Hf-178  
 Cross Section                      -100.0 To 121.5 %



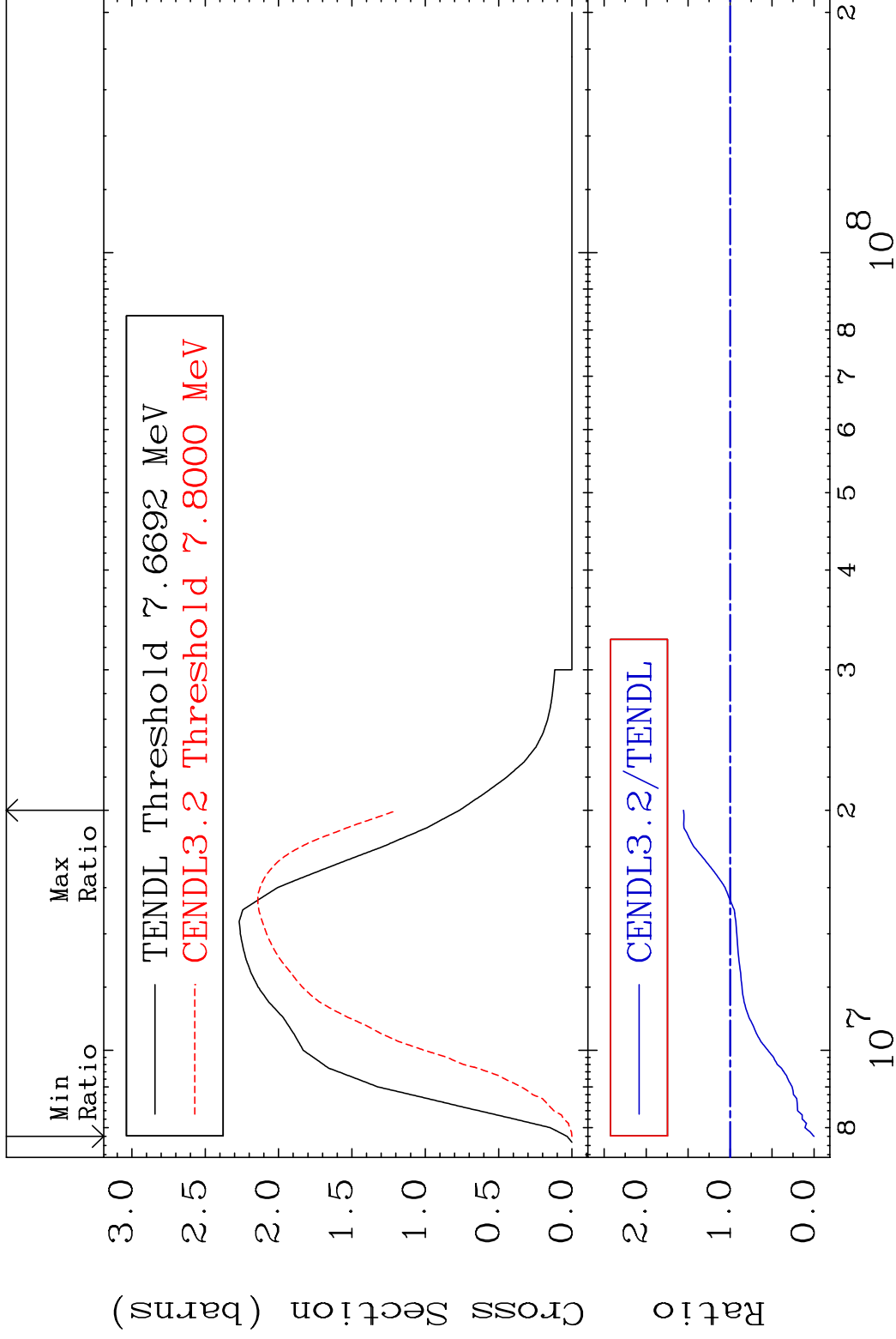
3                      Incident Energy (eV)                      72-Hf-178

MAT 7237

(n,2n)

72-Hf-178

Cross Section -100.0 To 55.57 %



4

Incident Energy (eV)

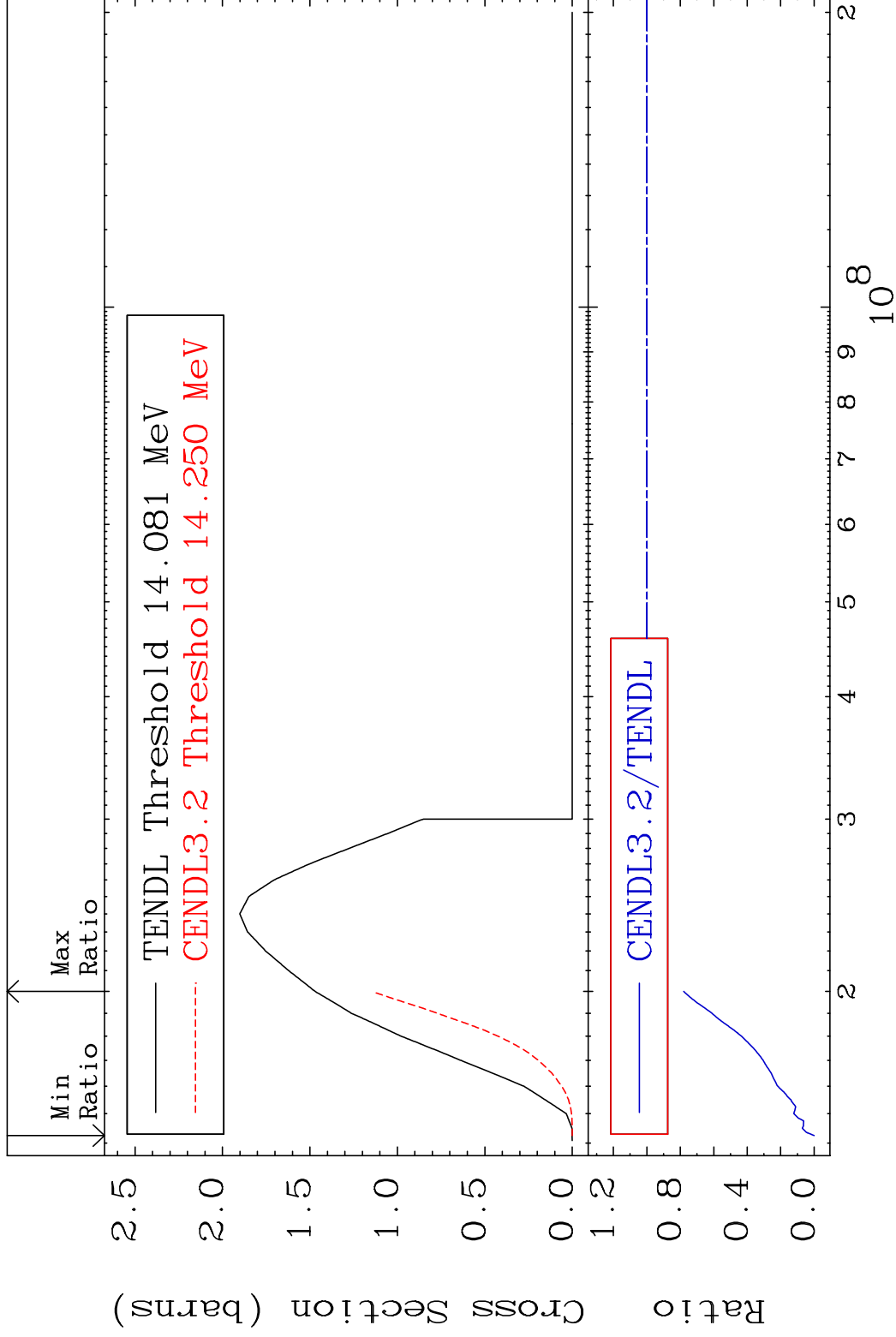
72-Hf-178

MAT 7237

(n,3n)

72-Hf-178

Cross Section -100.0 To -22.01%



5

Incident Energy (eV)

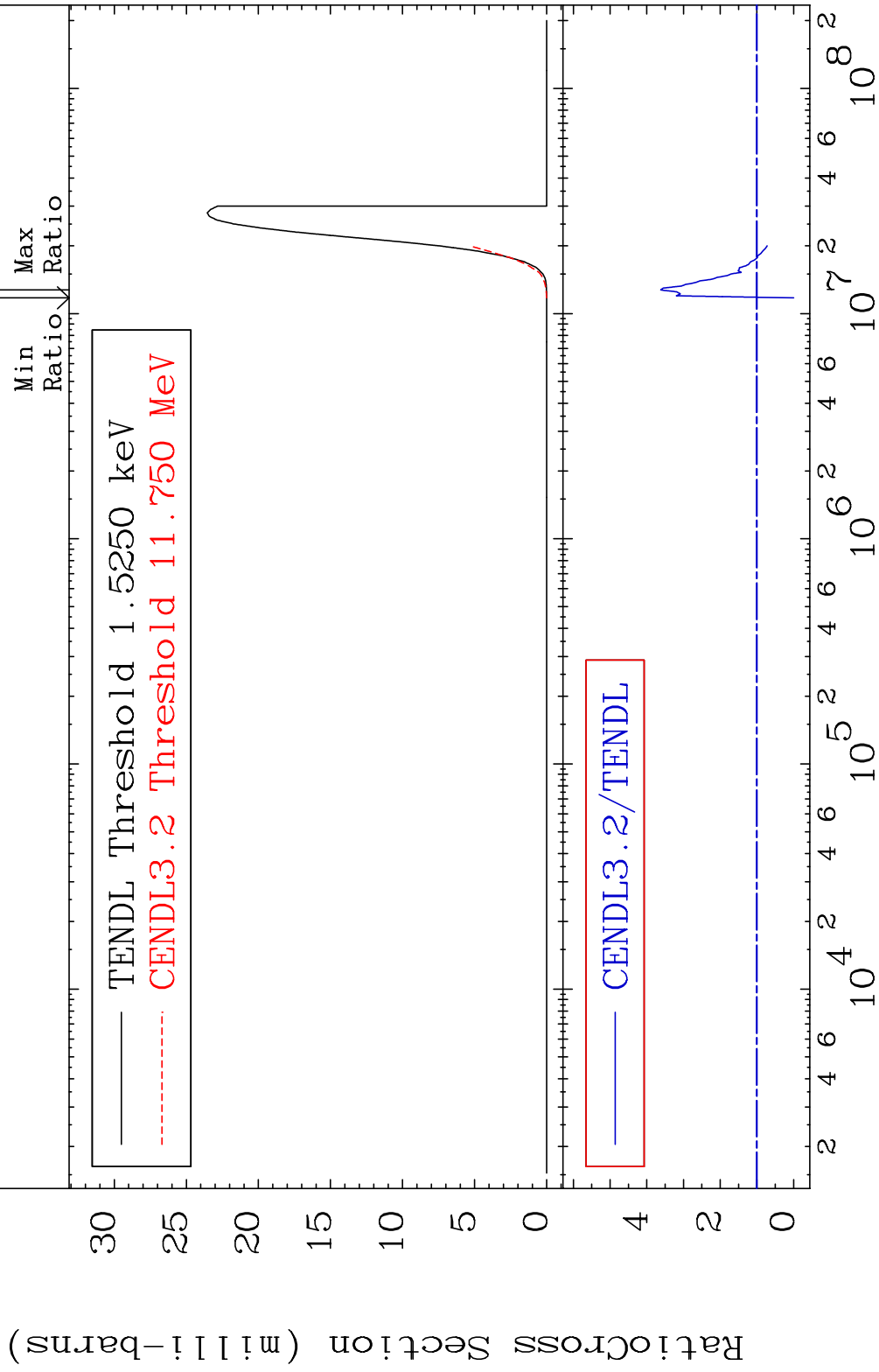
72-Hf-178

MAT 7237

(n, n')  $\alpha$

72-Hf-178

Cross Section -100.0 To 262.9 %



6

Incident Energy (eV)

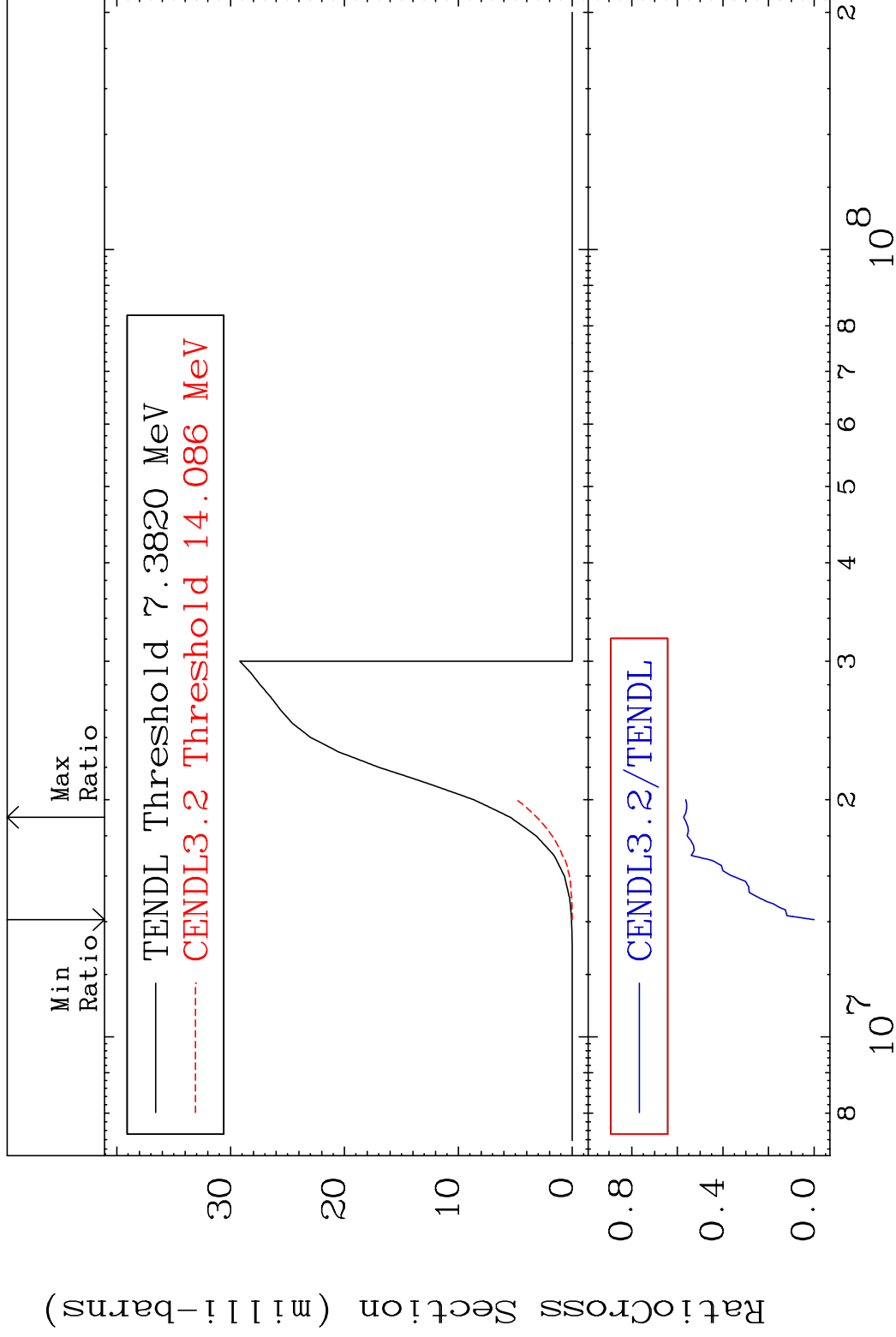
72-Hf-178

MAT 7237

(n, n') p

72-Hf-178

Cross Section -100.0 To -42.76%

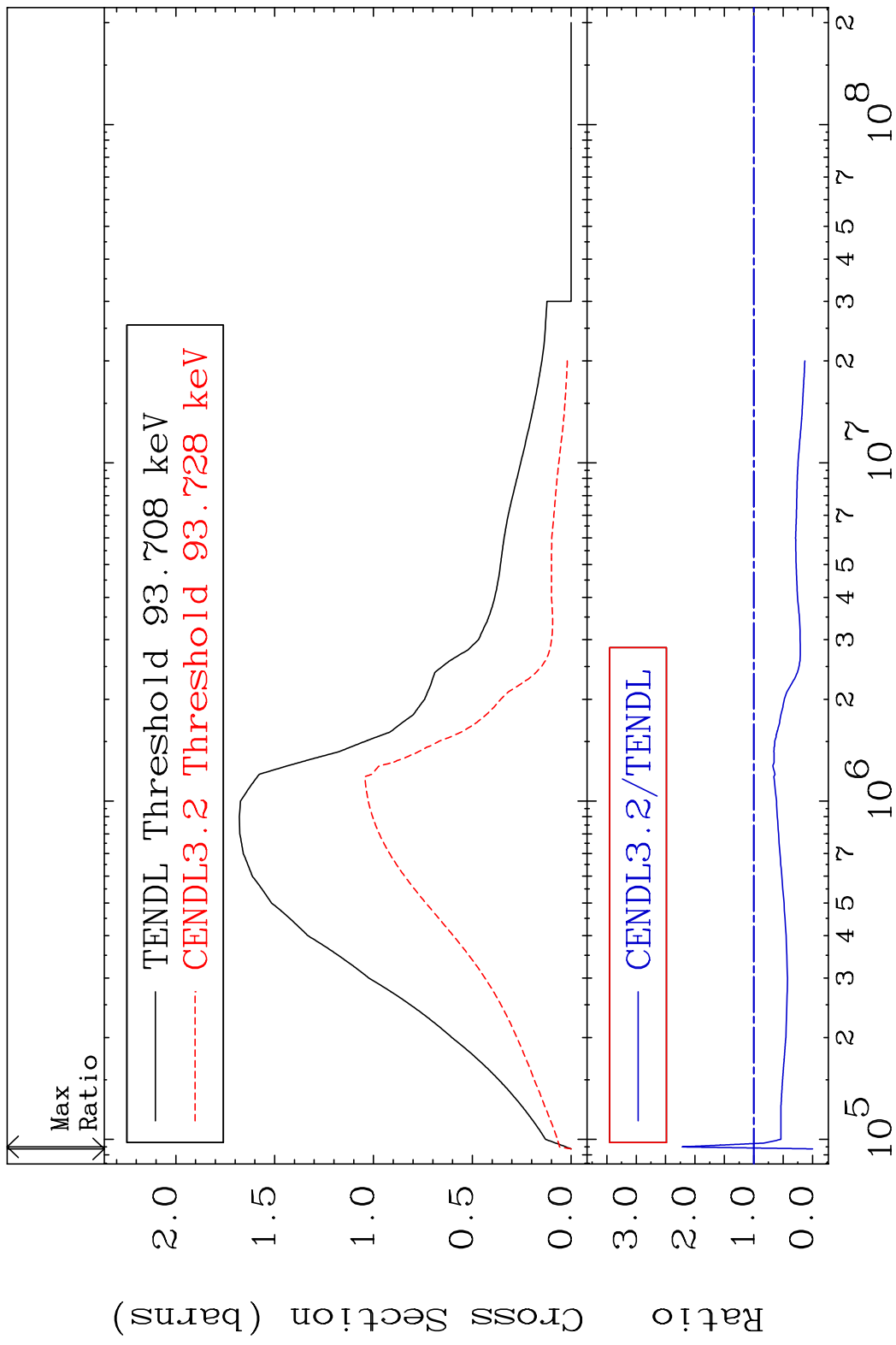


7

Incident Energy (eV)

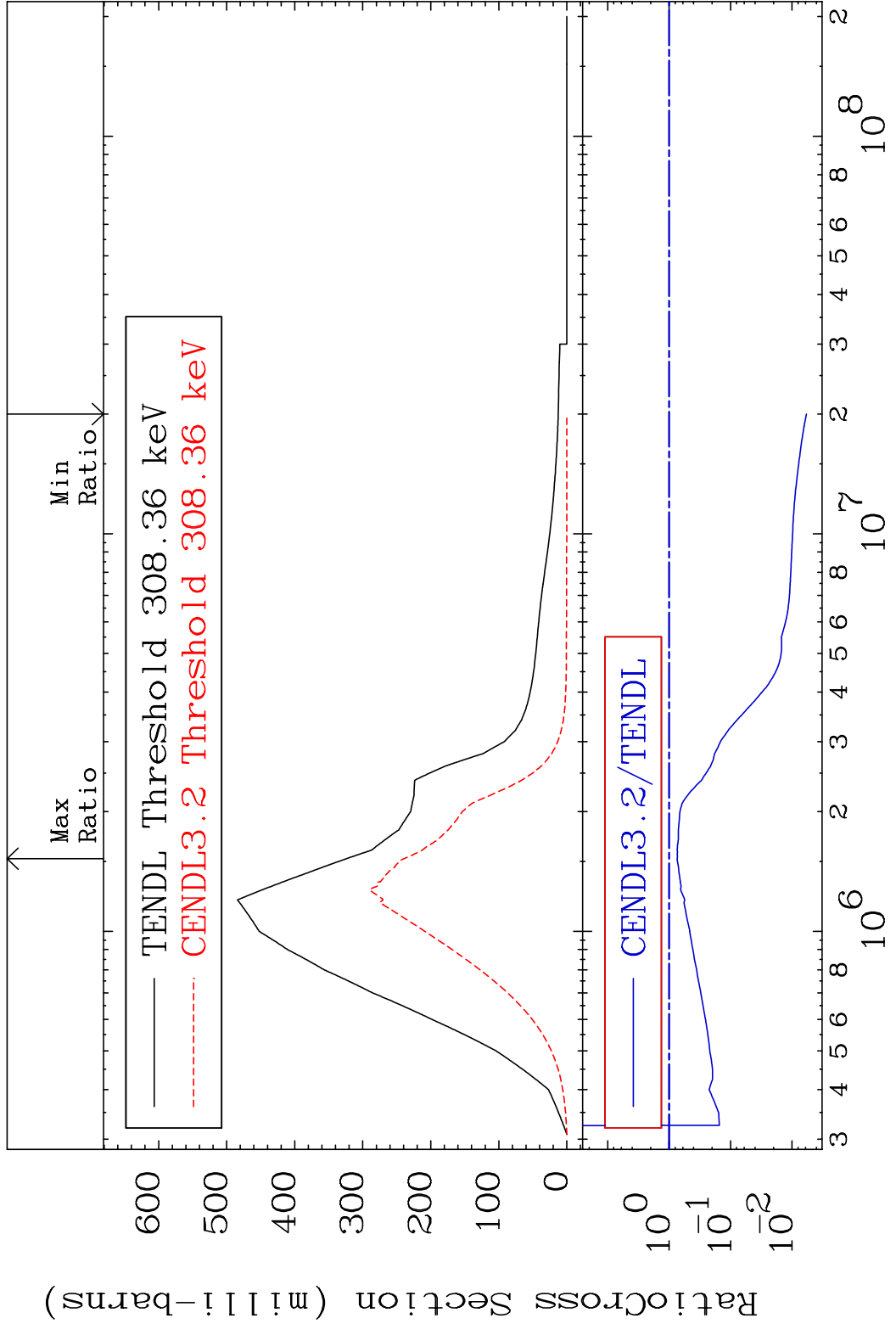
72-Hf-178

MAT 7237 MT= 51 (n,n') Level 72-Hf-178  
 Cross Section -100.0 To 121.5 %

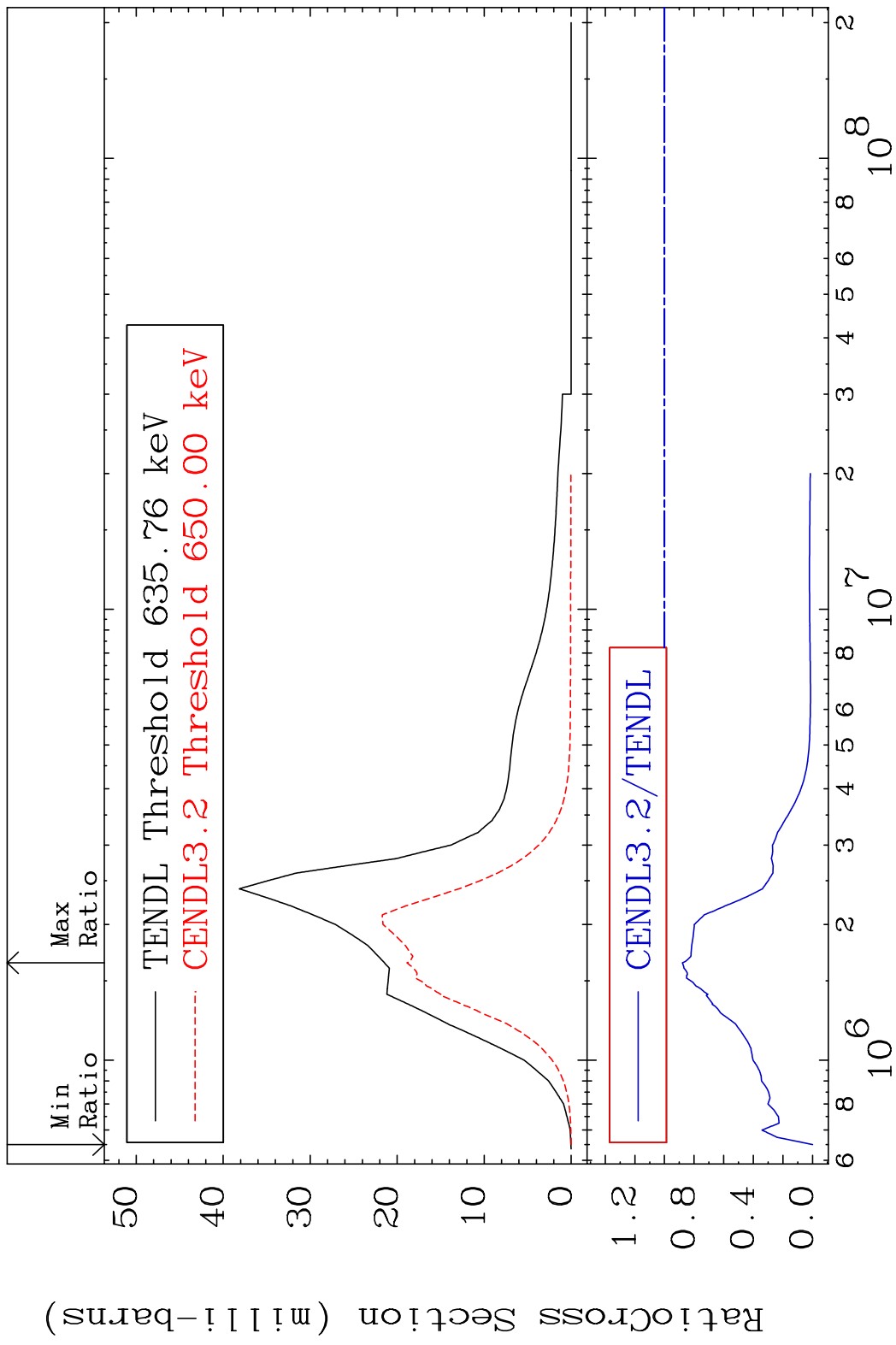


8 Incident Energy (eV) 72-Hf-178

MAT 7237 MT= 52 (n, n') Level 72-Hf-178  
 Cross Section -99.42 To -25.98%

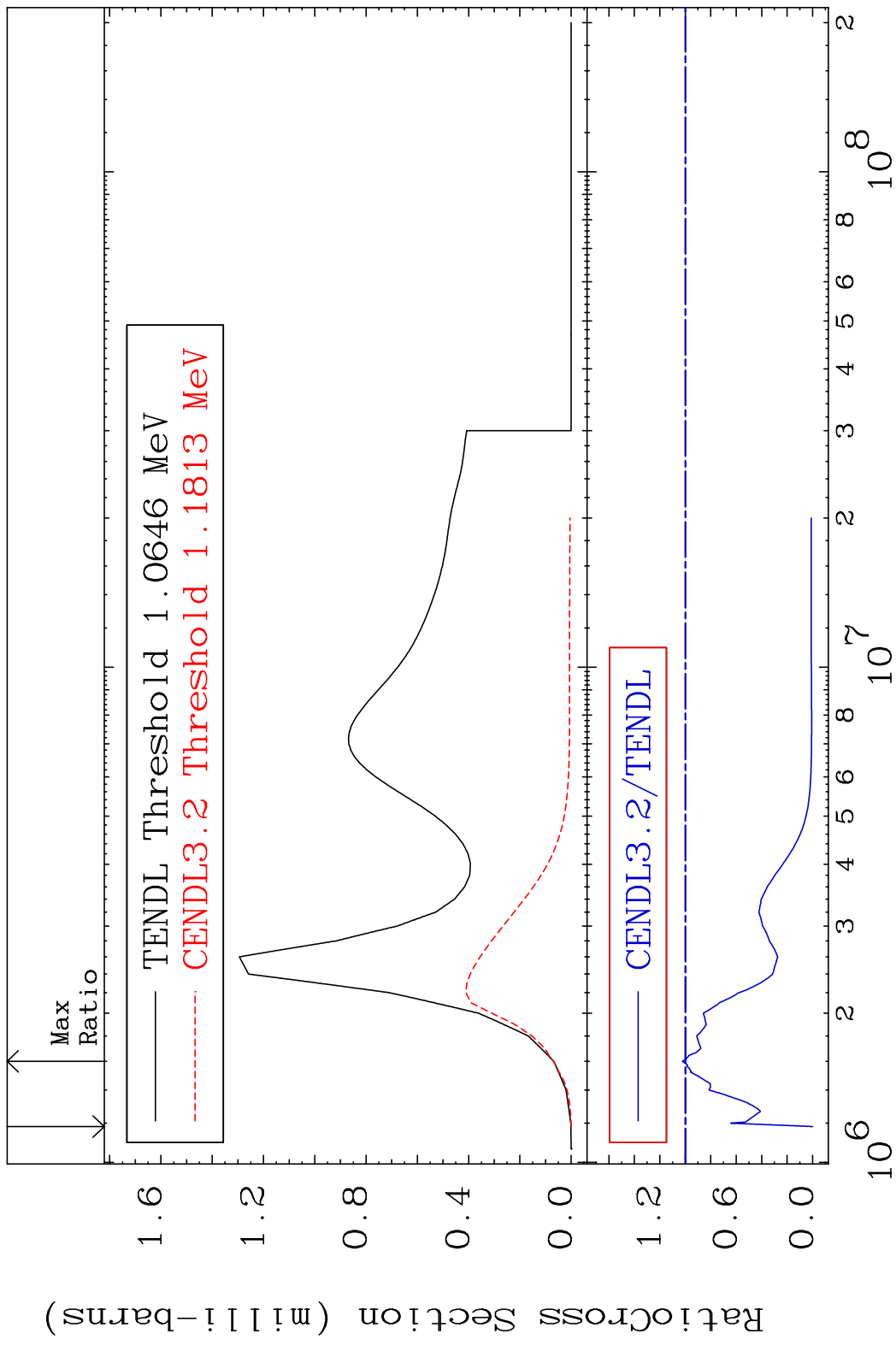


MAT 7237 MT= 53 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To -12.07%



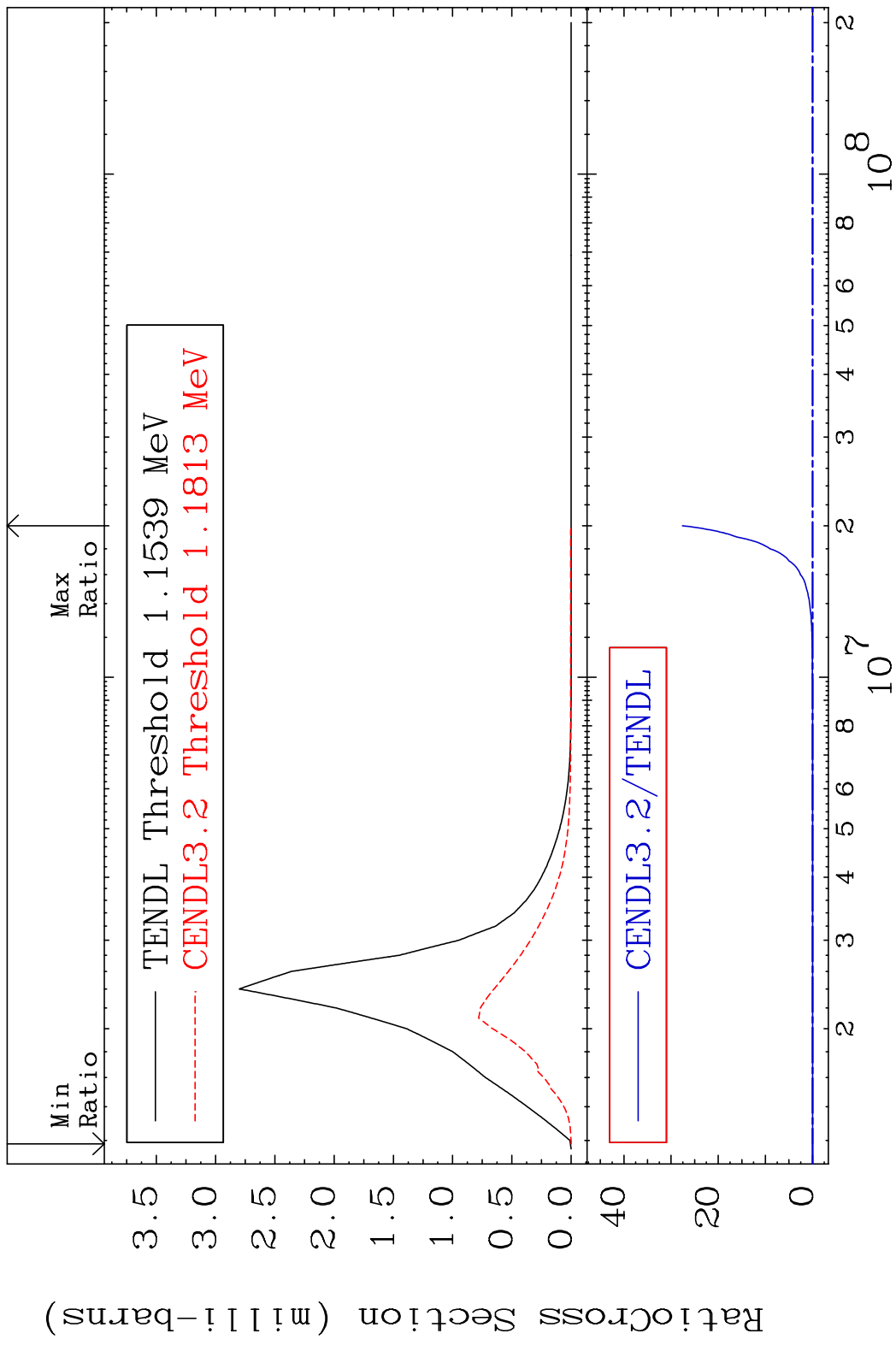
10 Incident Energy (eV) 72-Hf-178

MAT 7237 MT= 54 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 2.298 %



11 Incident Energy (eV) 72-Hf-178

MAT 7237 MT= 55 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 9999. %

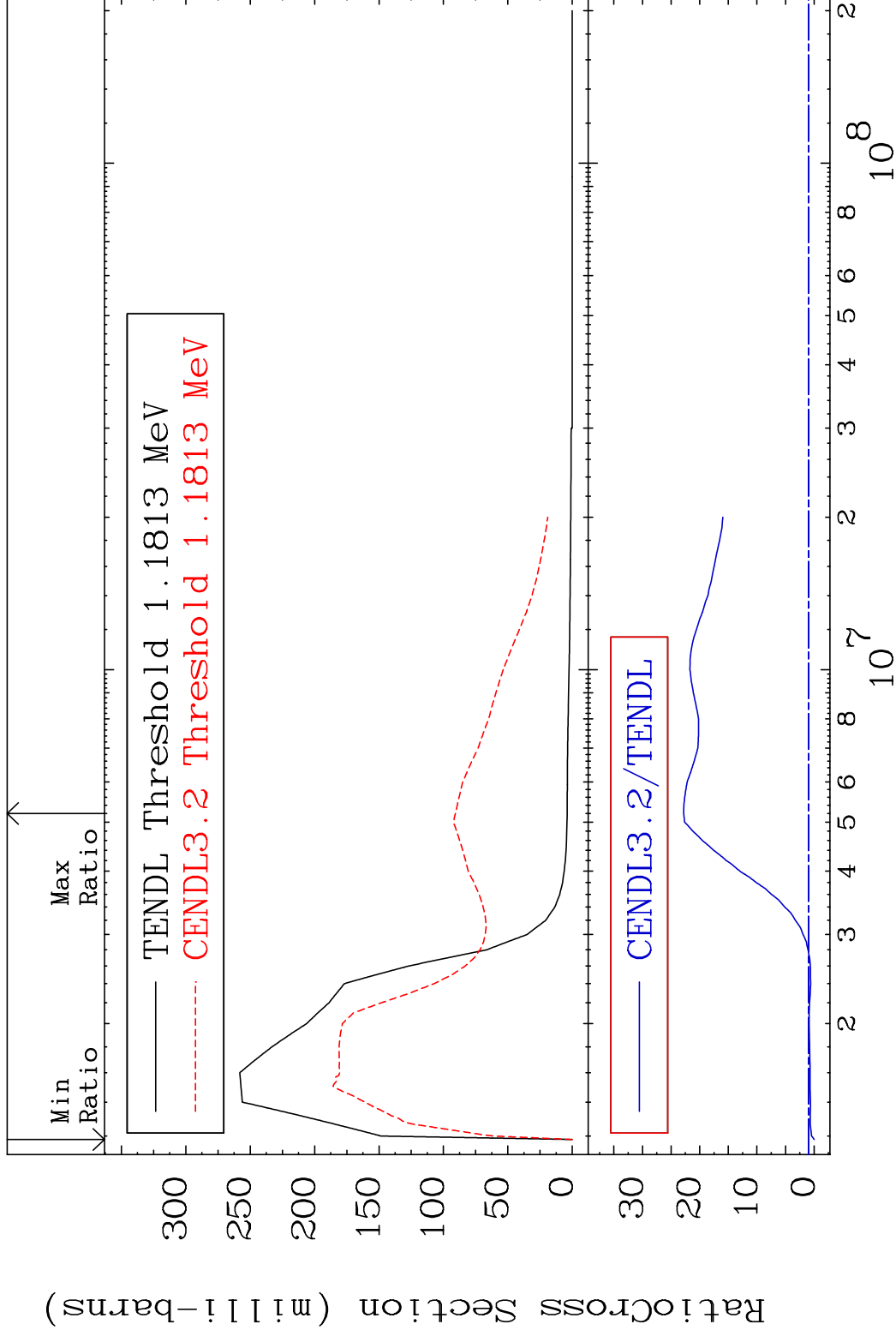


MAT 7237

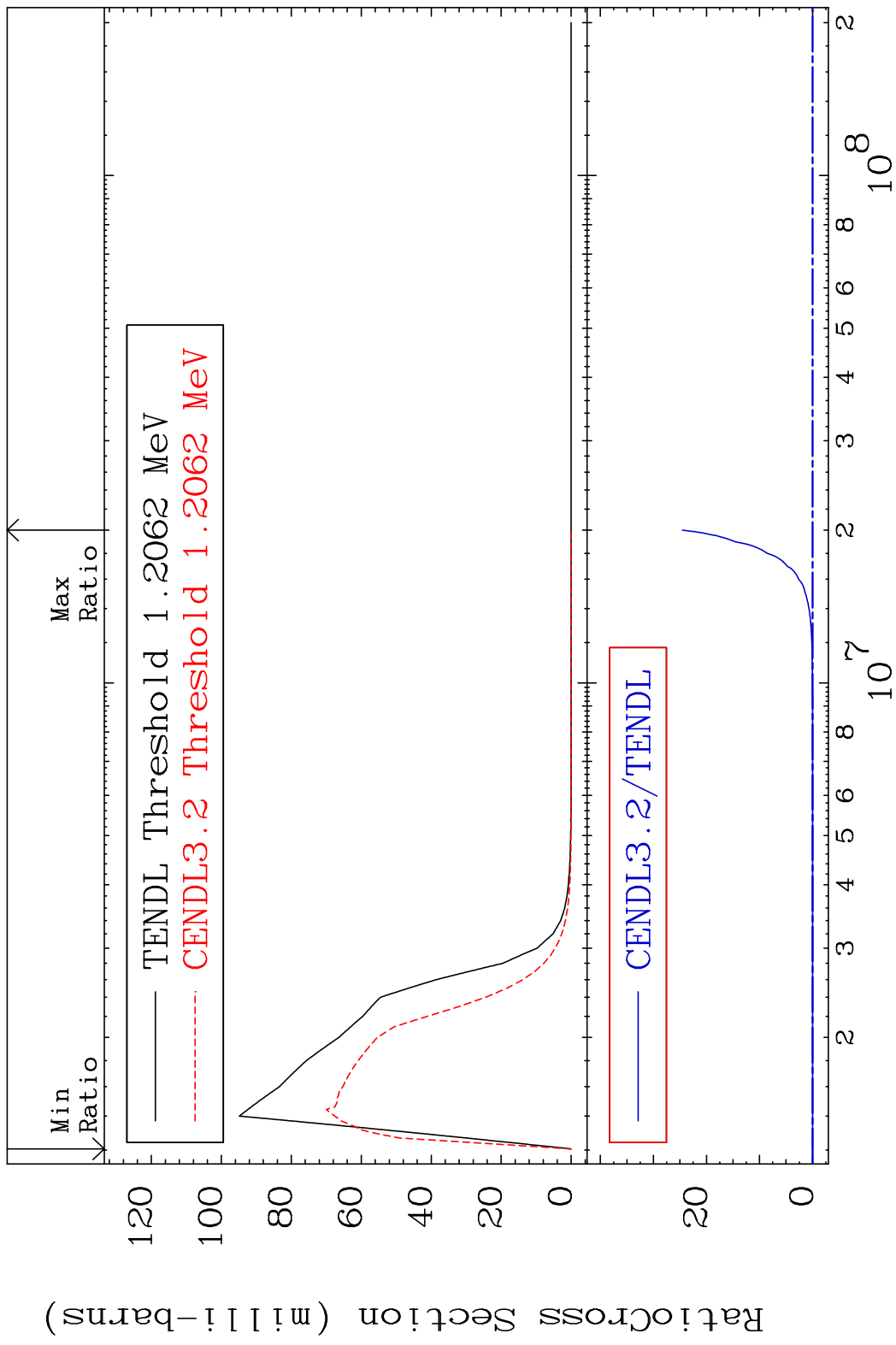
MT= 56 (n, n') Level

72-Hf-178

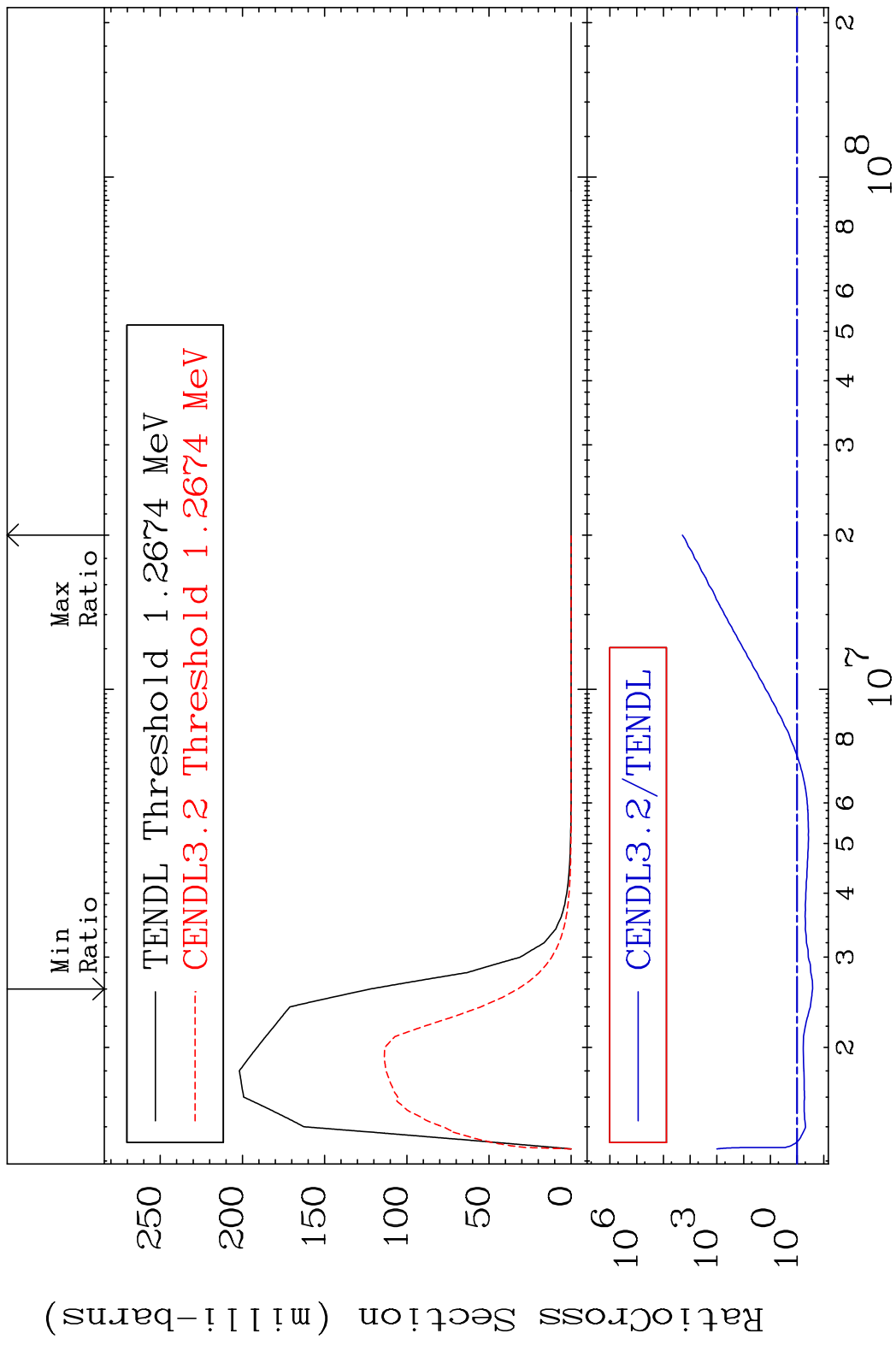
Cross Section -100.0 To 2180. %



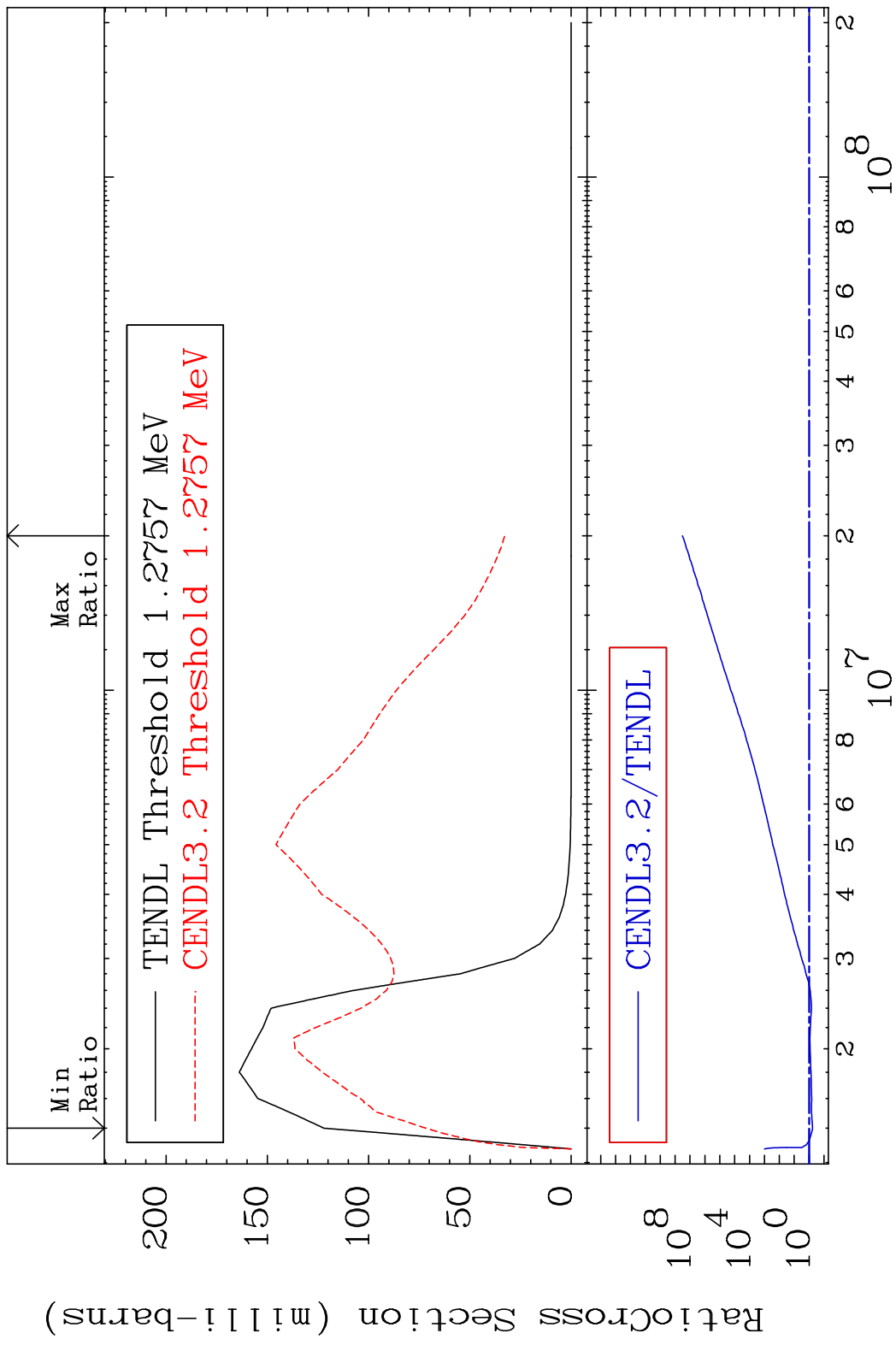
MAT 7237 MT= 57 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 9999. %



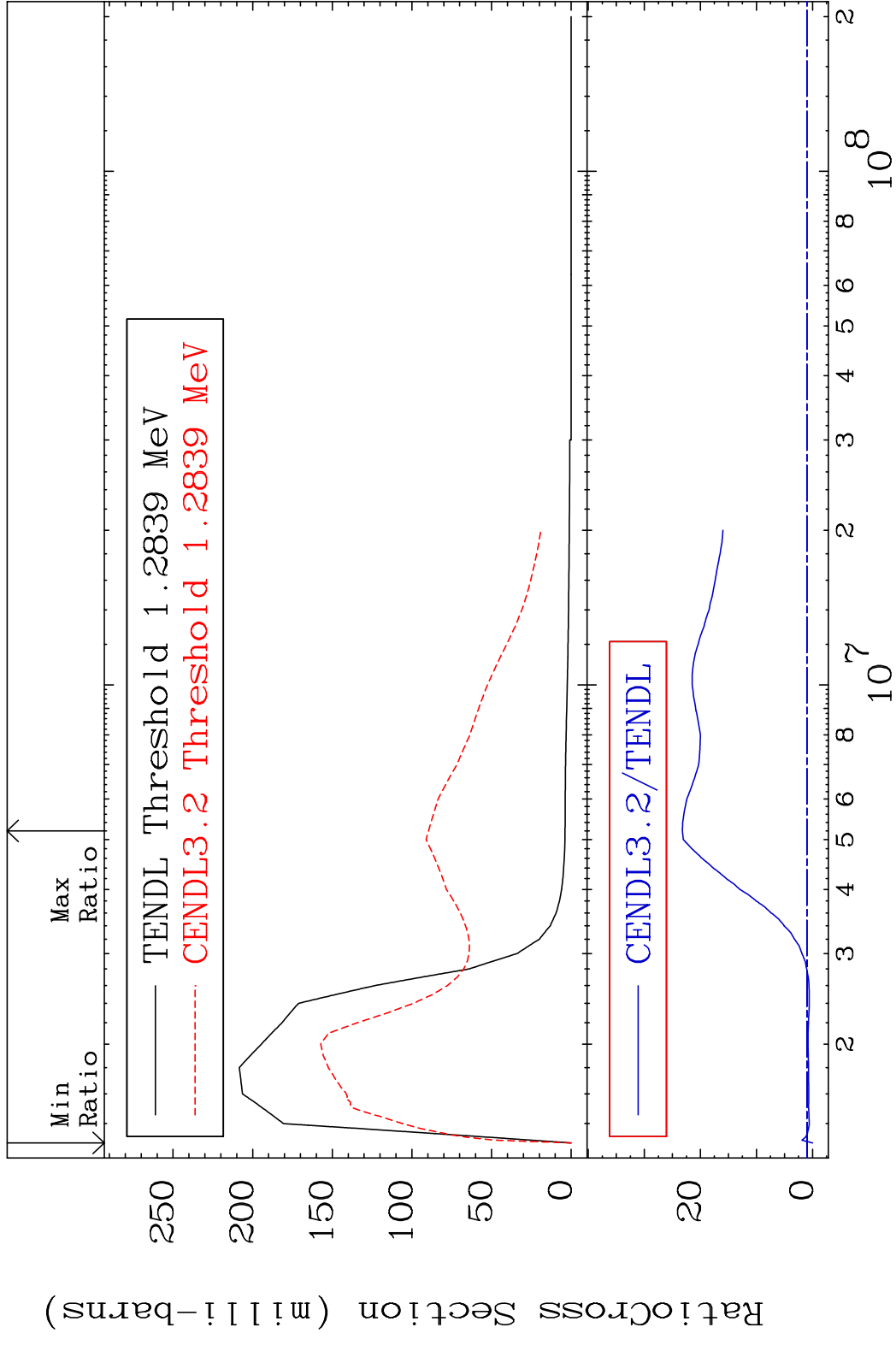
MAT 7237 MT= 58 (n, n') Level 72-Hf-178  
 Cross Section -73.47 To 9999. %



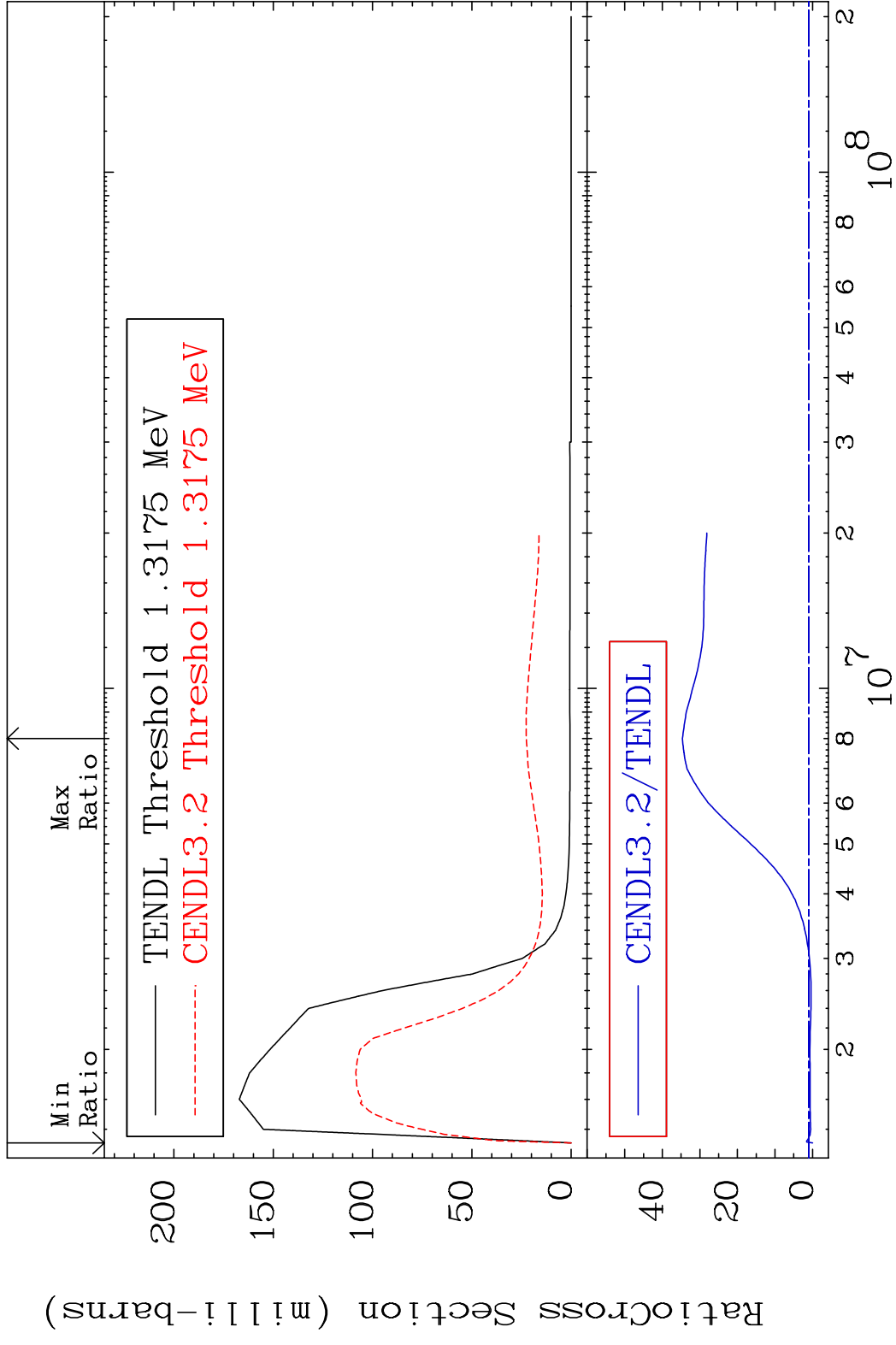
MAT 7237 MT= 59 (n, n') Level 72-Hf-178  
 Cross Section -41.32 To 9999. %



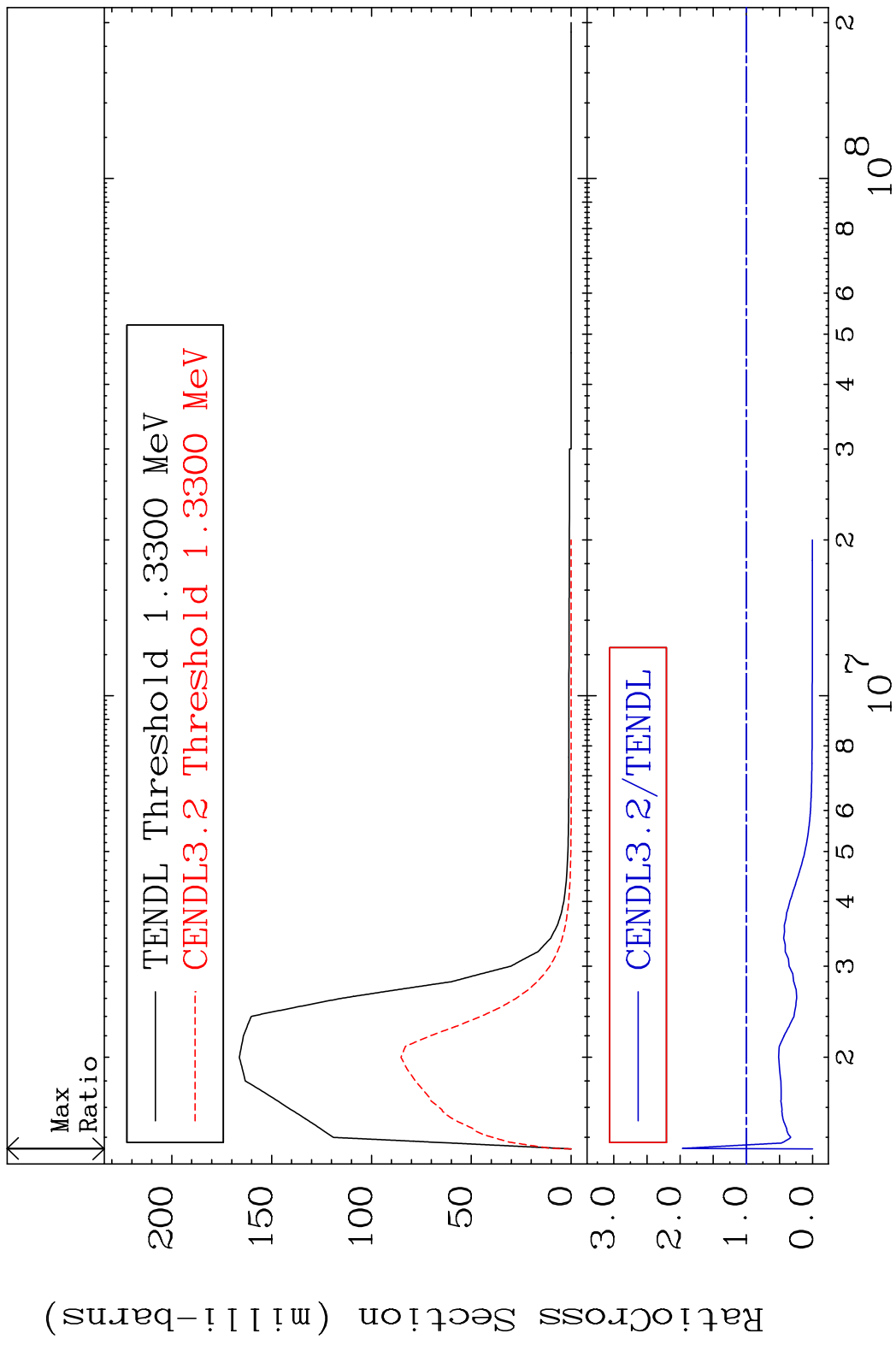
MAT 7237 MT= 60 (n,n') Level 72-Hf-178  
 Cross Section -100.0 To 2222. %



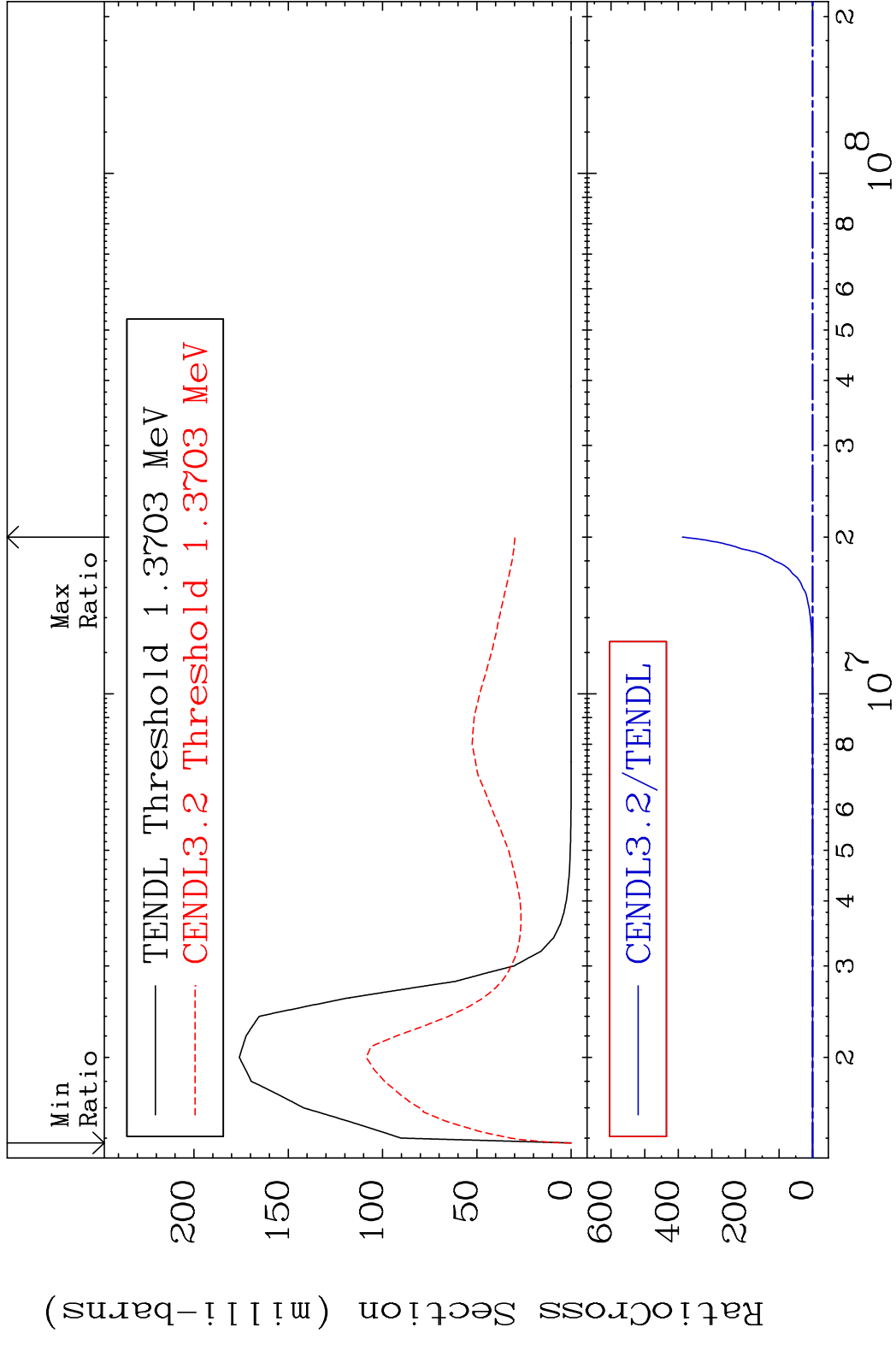
MAT 7237 MT= 61 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 3366. %



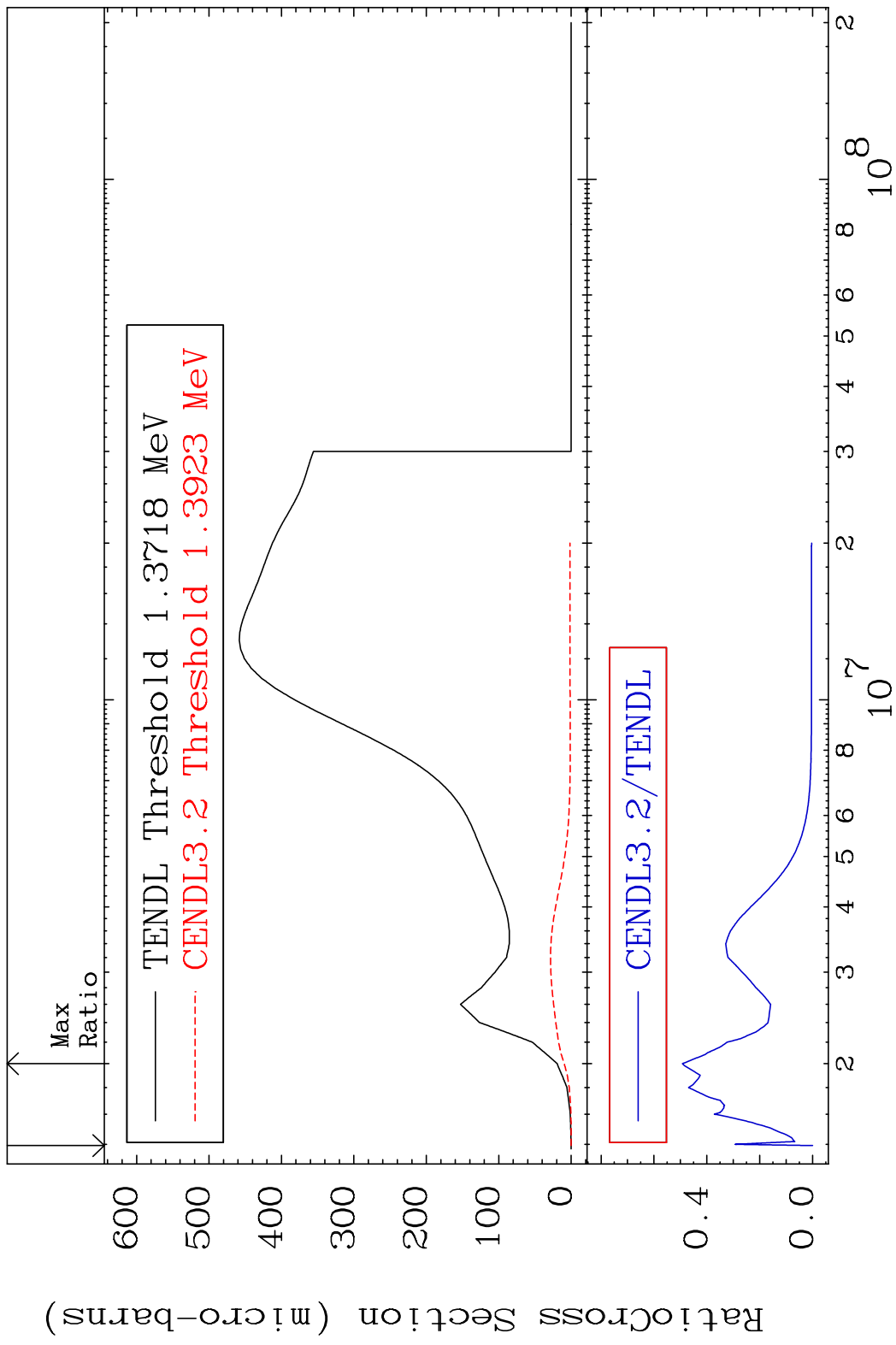
MAT 7237 MT= 62 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 96.58 %



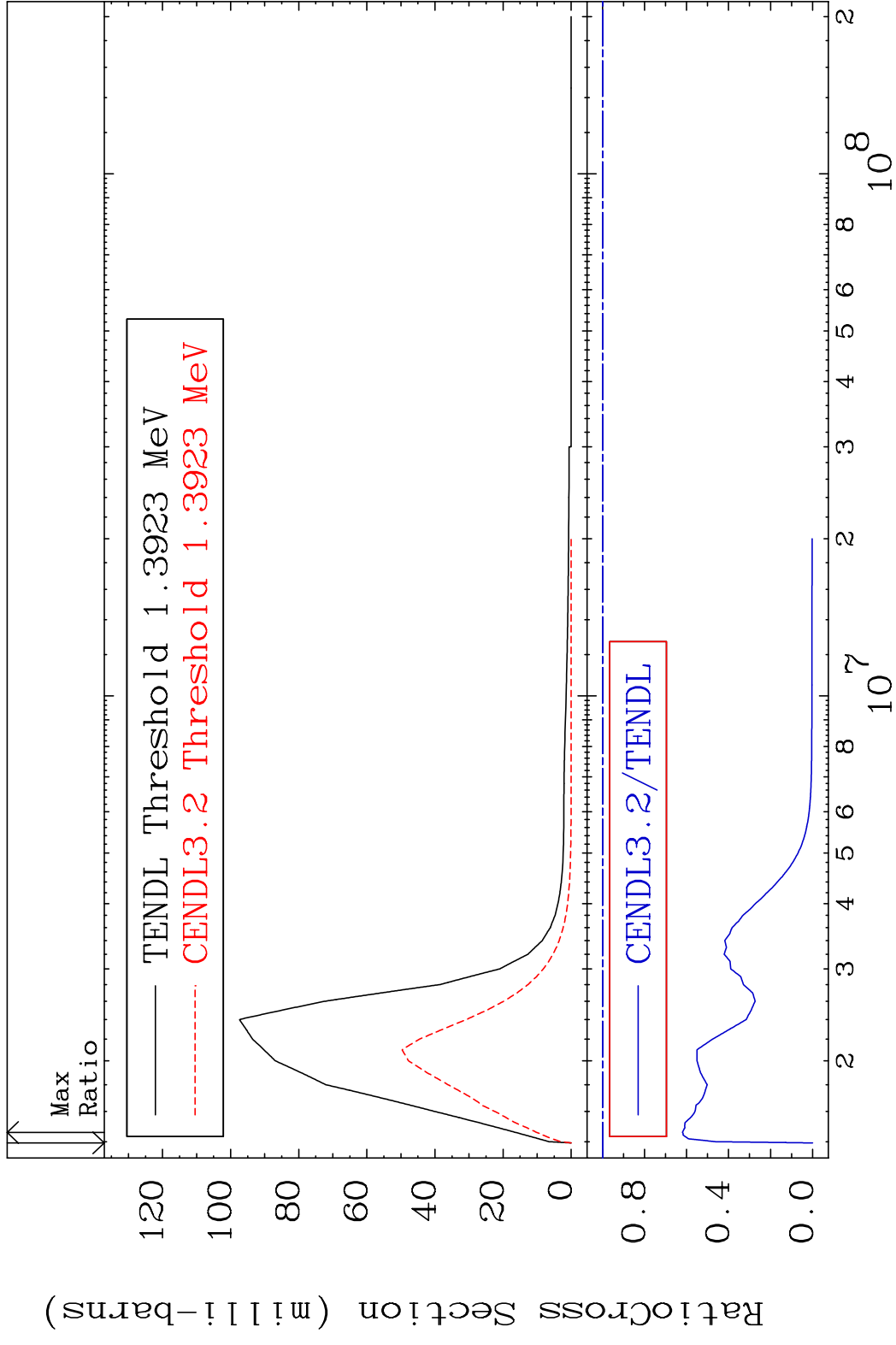
MAT 7237 MT= 63 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 9999. %



MAT 7237 MT= 64 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To -50.74%



MAT 7237 MT= 65 (n,n') Level 72-Hf-178  
 Cross Section -100.0 To -38.01%

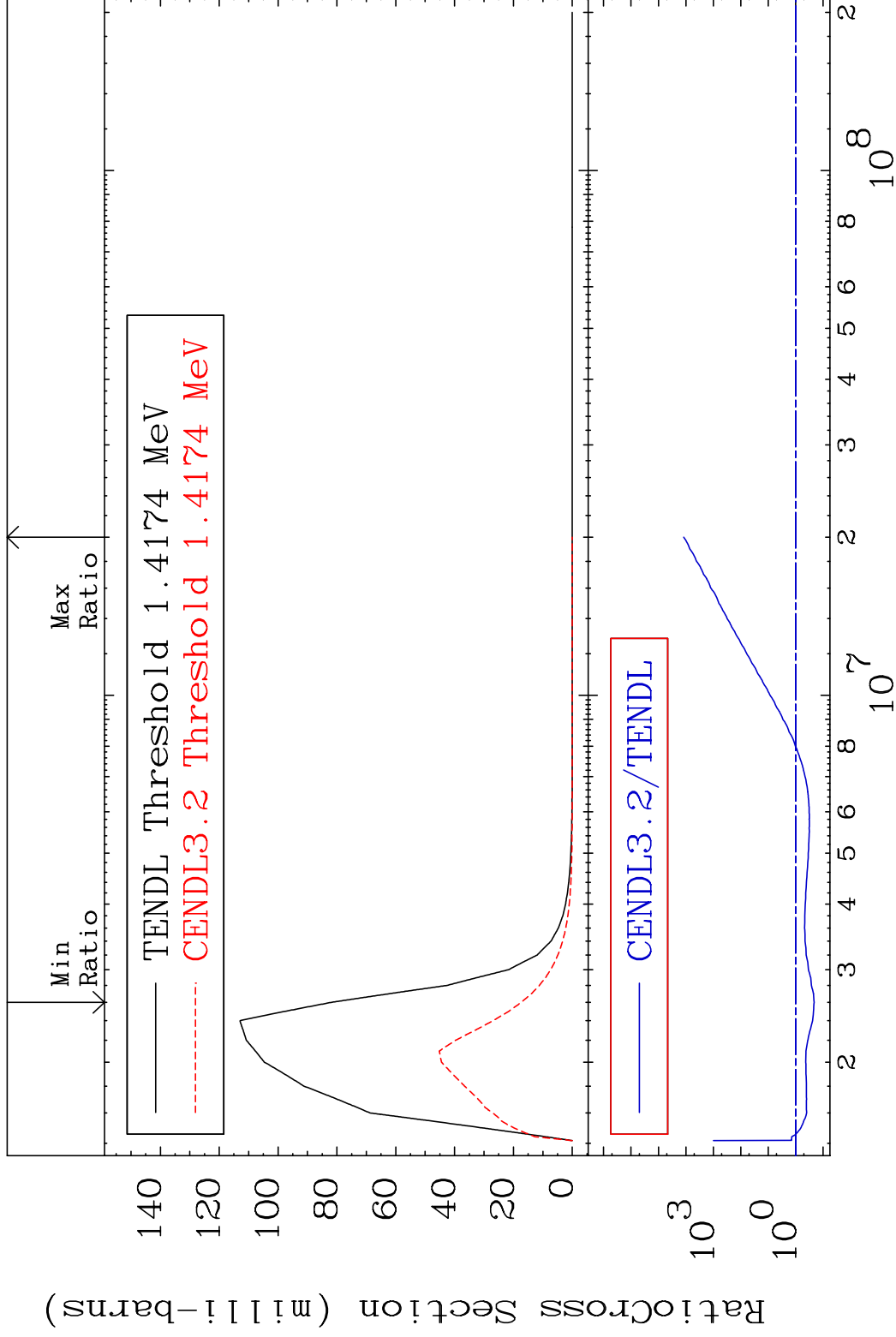


MAT 7237

MT= 66 (n, n') Level

72-Hf-178

Cross Section -78.86 To 9999. %

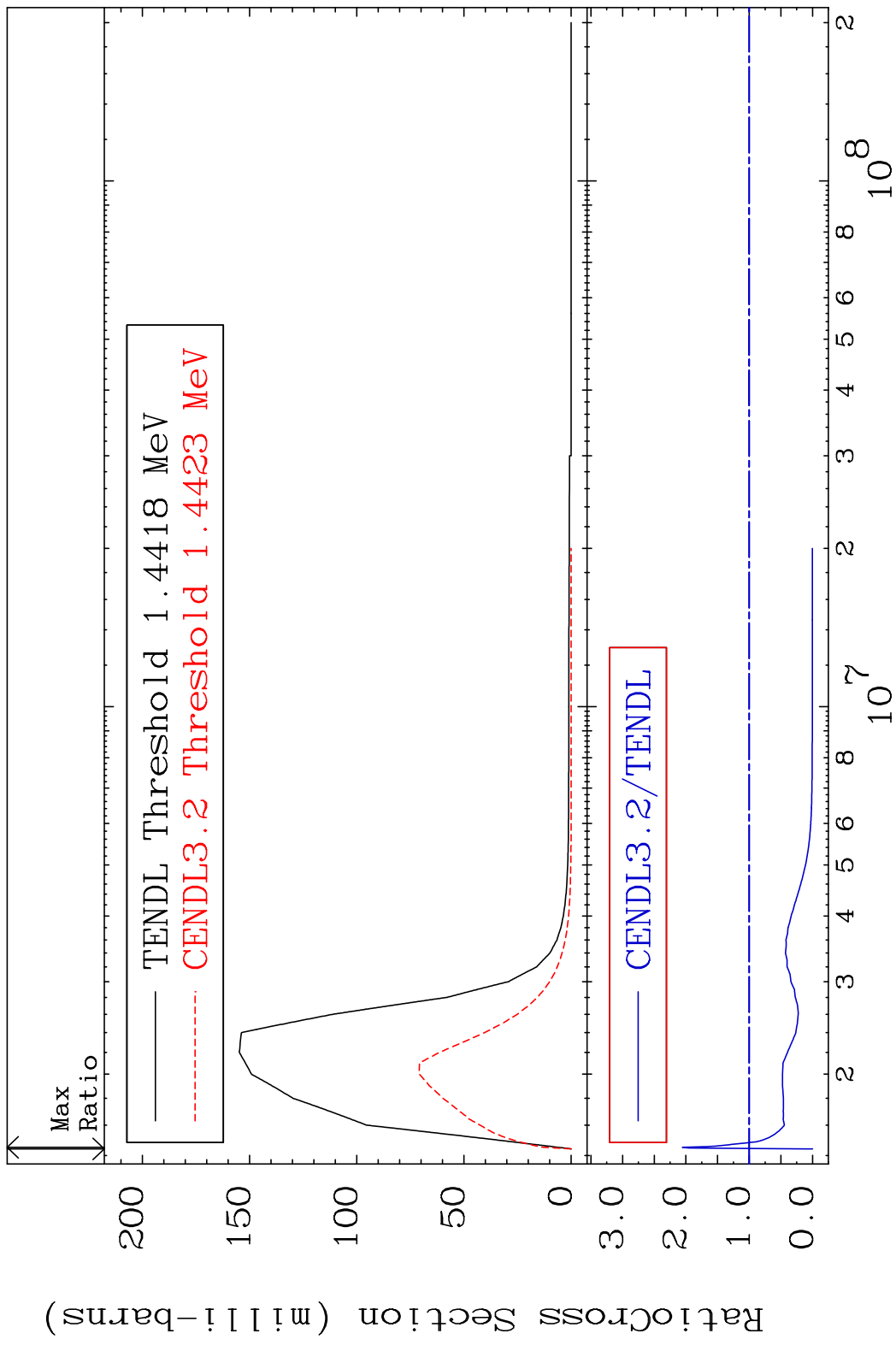


23

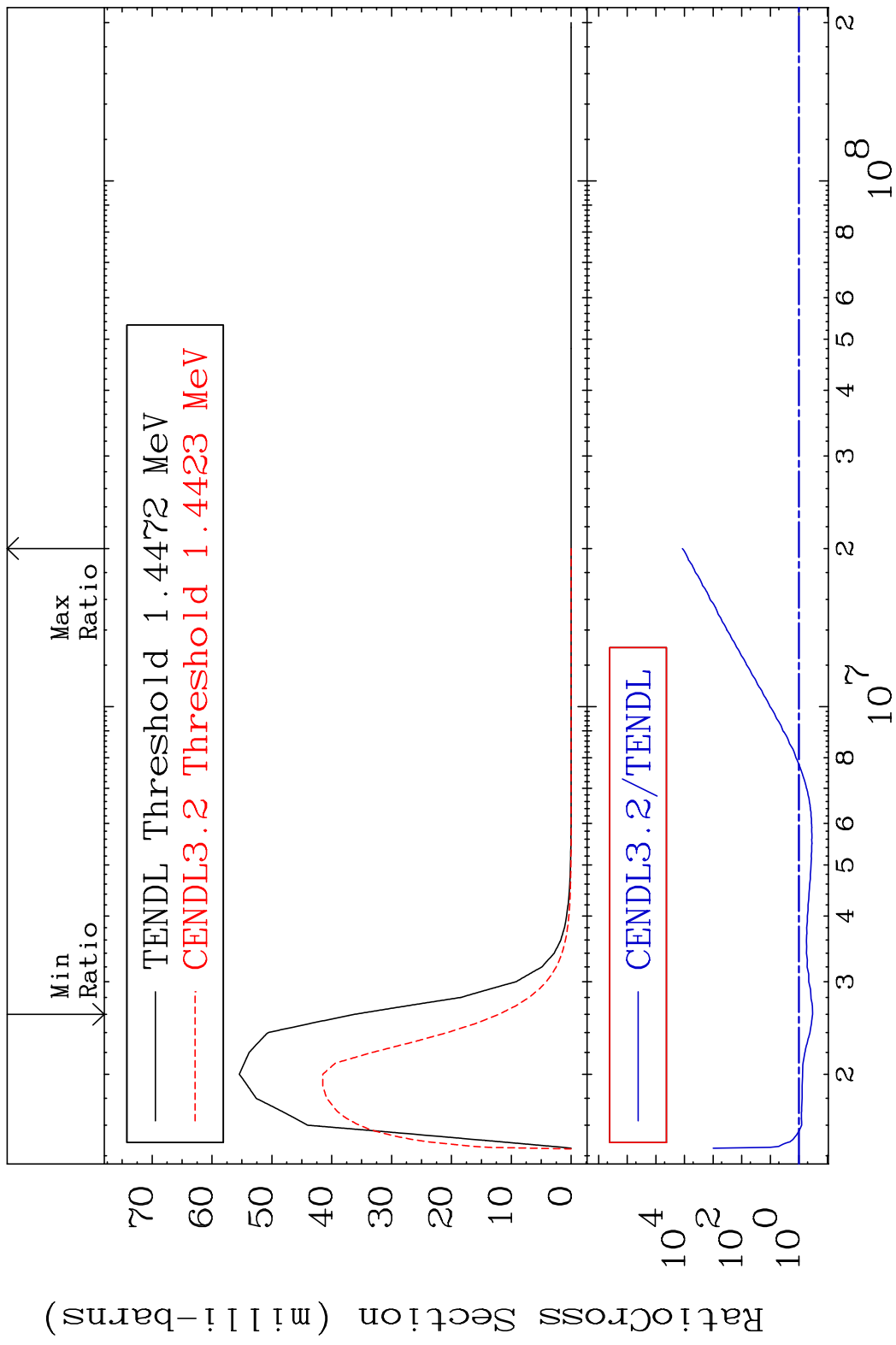
Incident Energy (eV)

72-Hf-178

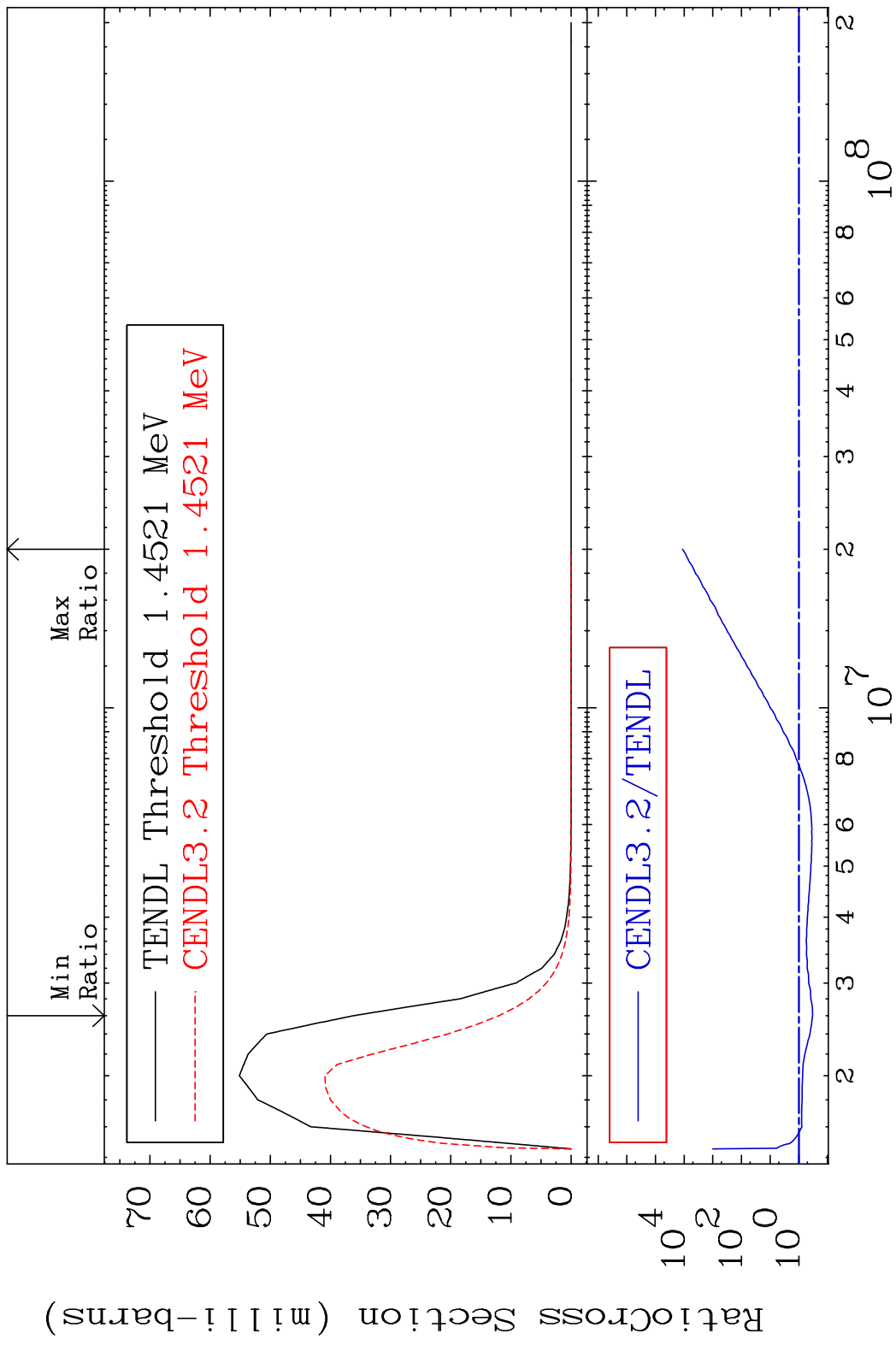
MAT 7237 MT= 67 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 105.6 %



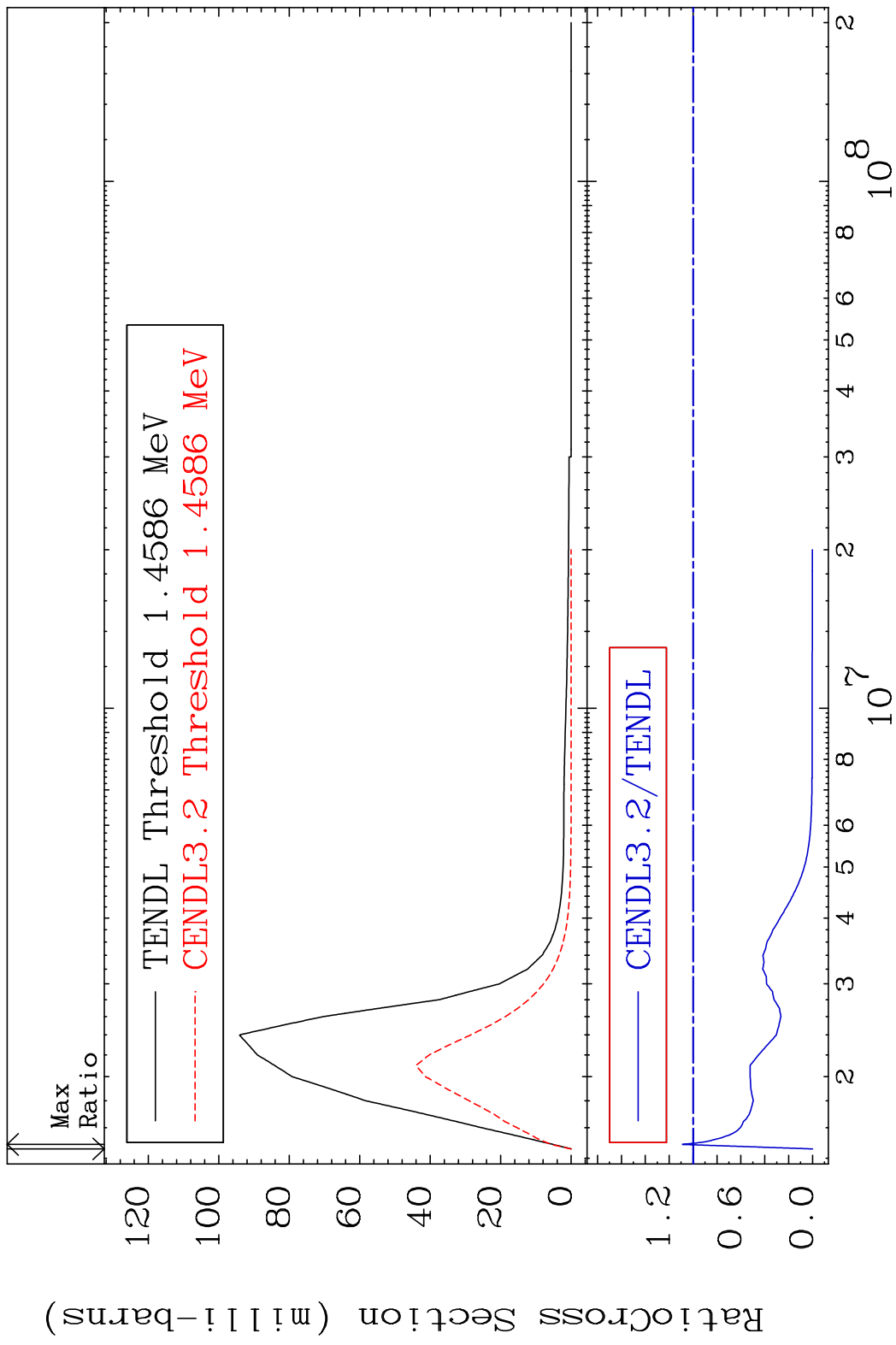
MAT 7237 MT= 68 (n, n') Level 72-Hf-178  
 Cross Section -66.62 To 9999. %



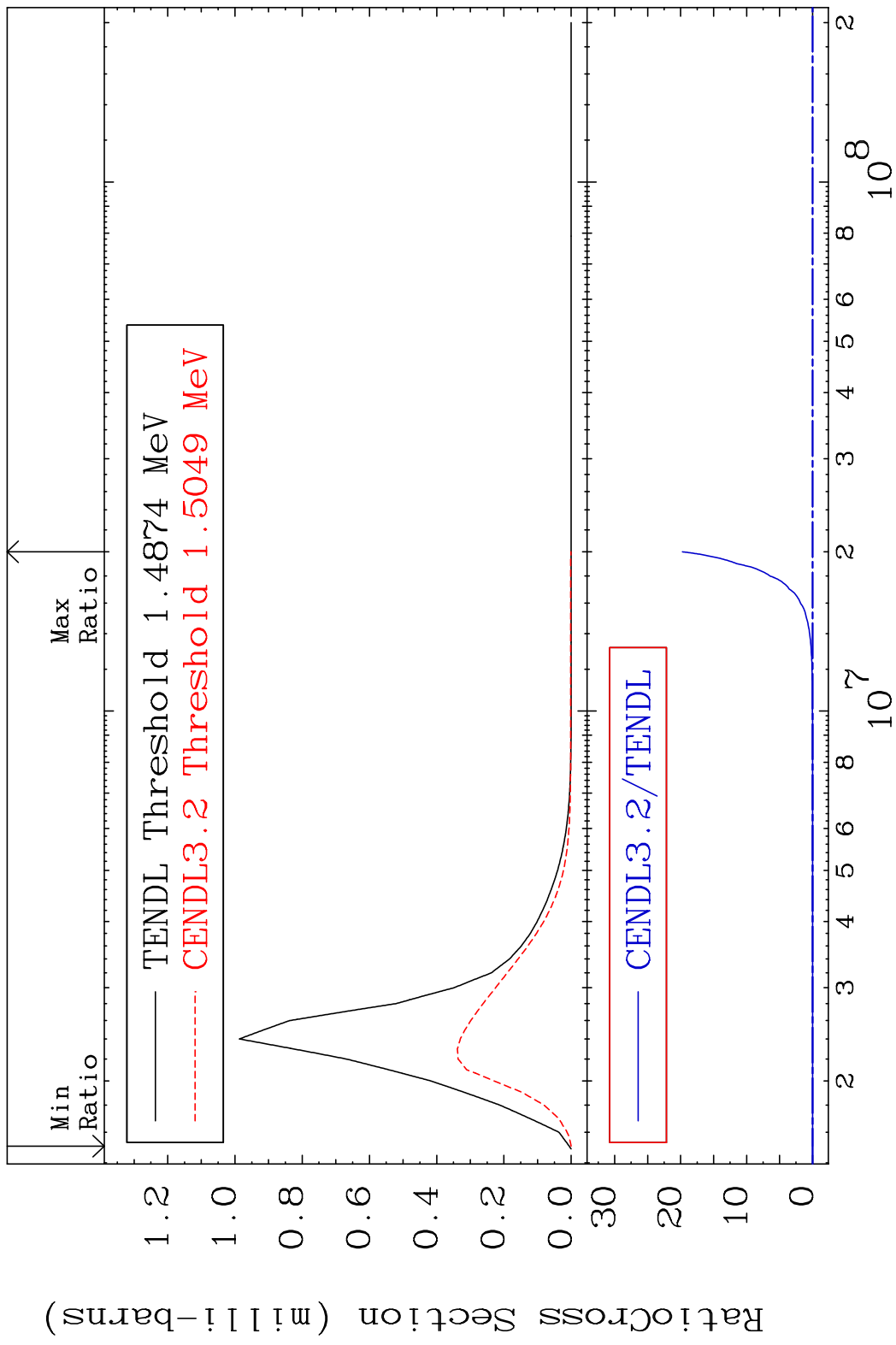
MAT 7237 MT= 69 (n, n') Level 72-Hf-178  
 Cross Section -66.78 To 9999. %



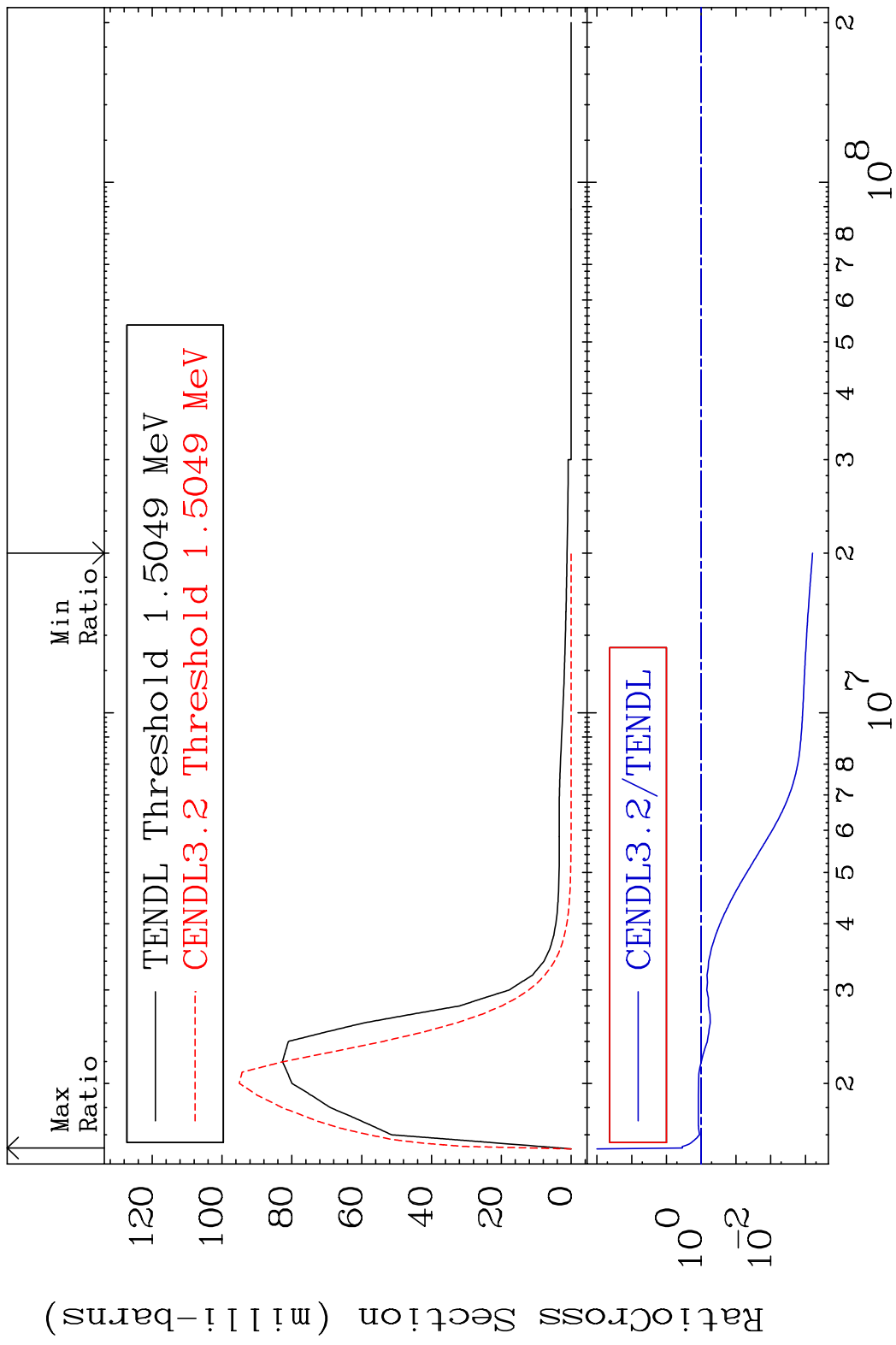
MAT 7237 MT= 70 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 8.972 %



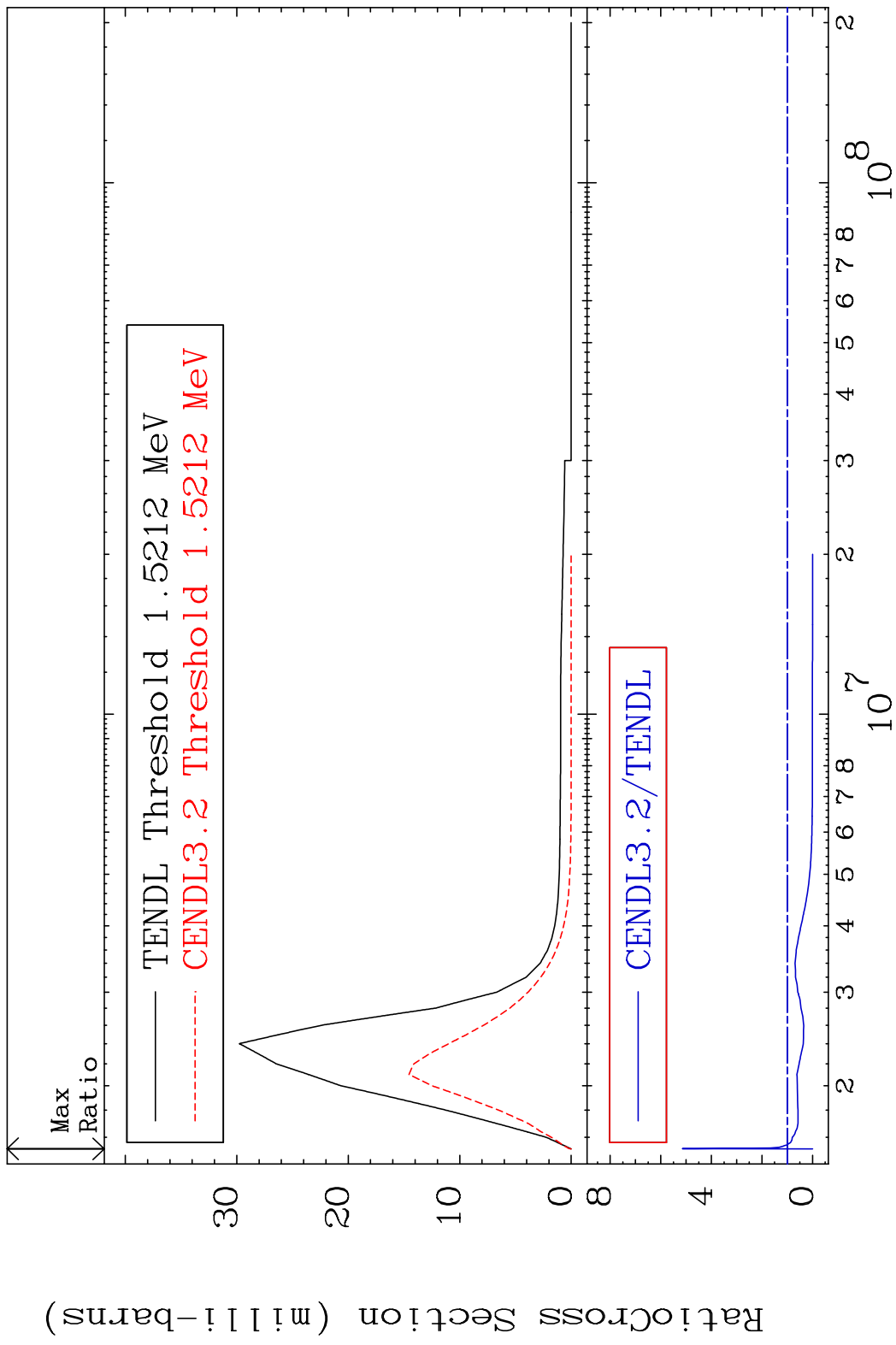
MAT 7237 MT= 71 (n,n') Level 72-Hf-178  
 Cross Section -100.0 To 9999. %



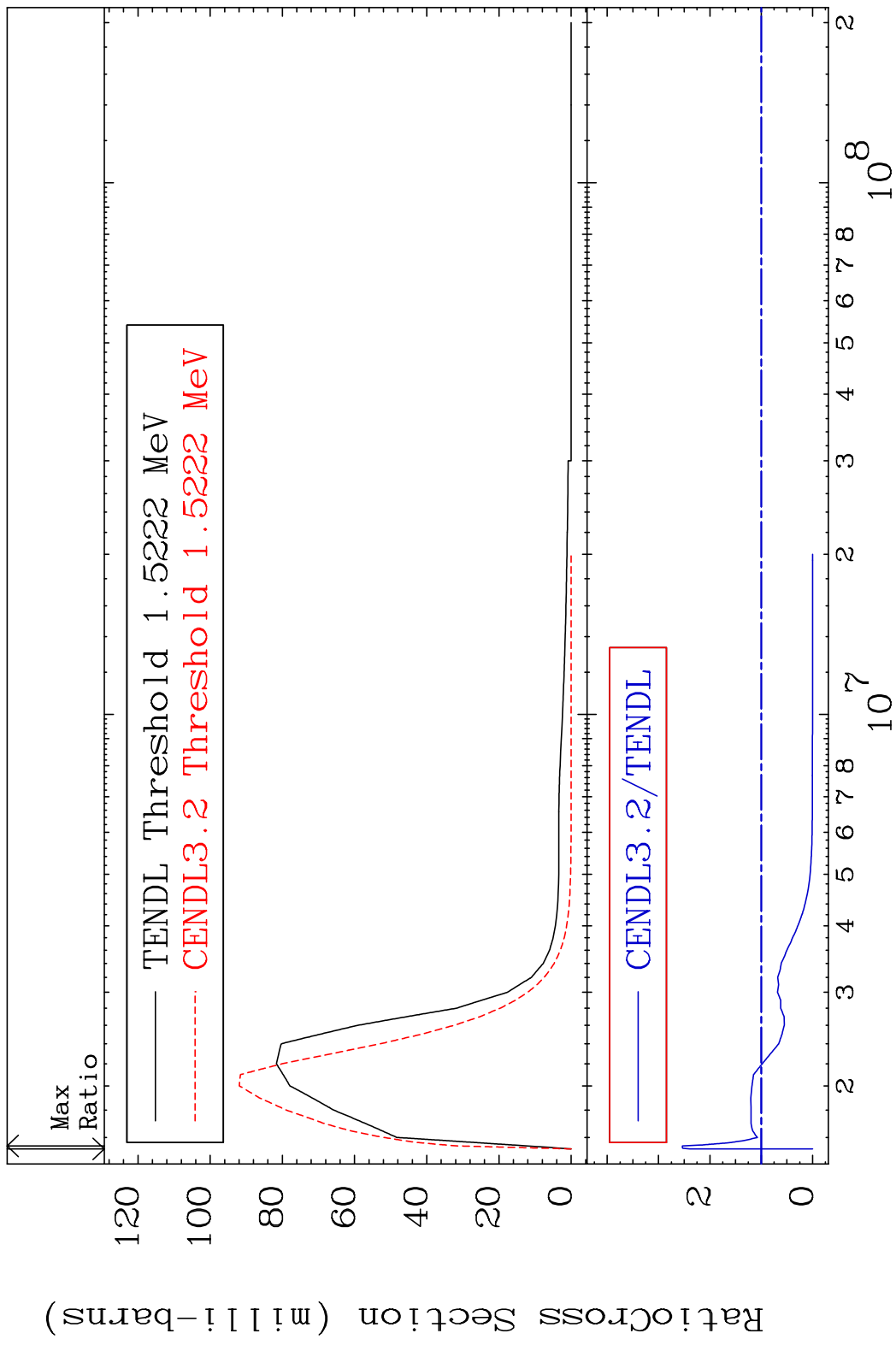
MAT 7237 MT= 72 (n,n') Level 72-Hf-178  
 Cross Section -99.94 To 248.4 %



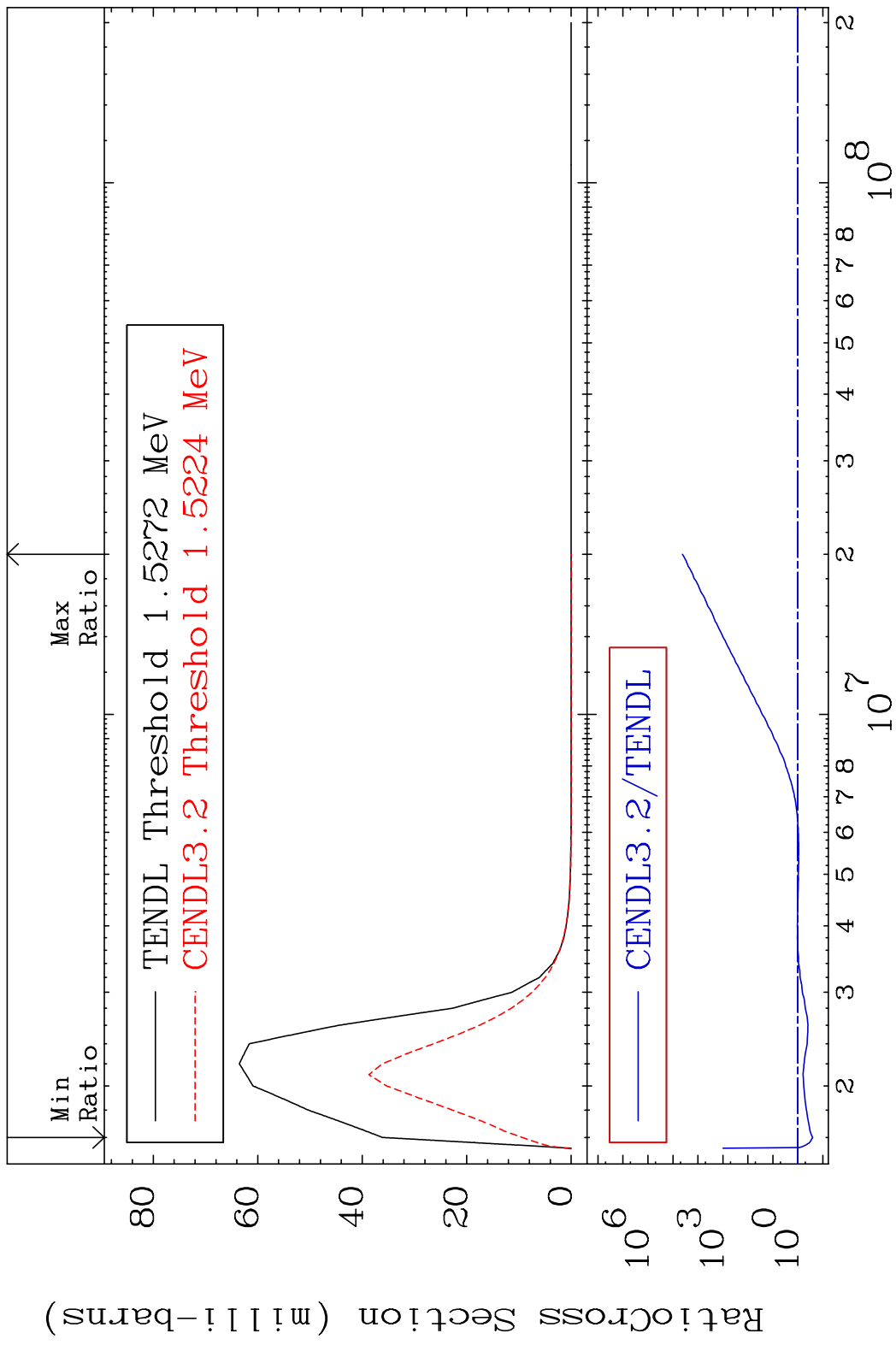
MAT 7237 MT= 73 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 414.7 %



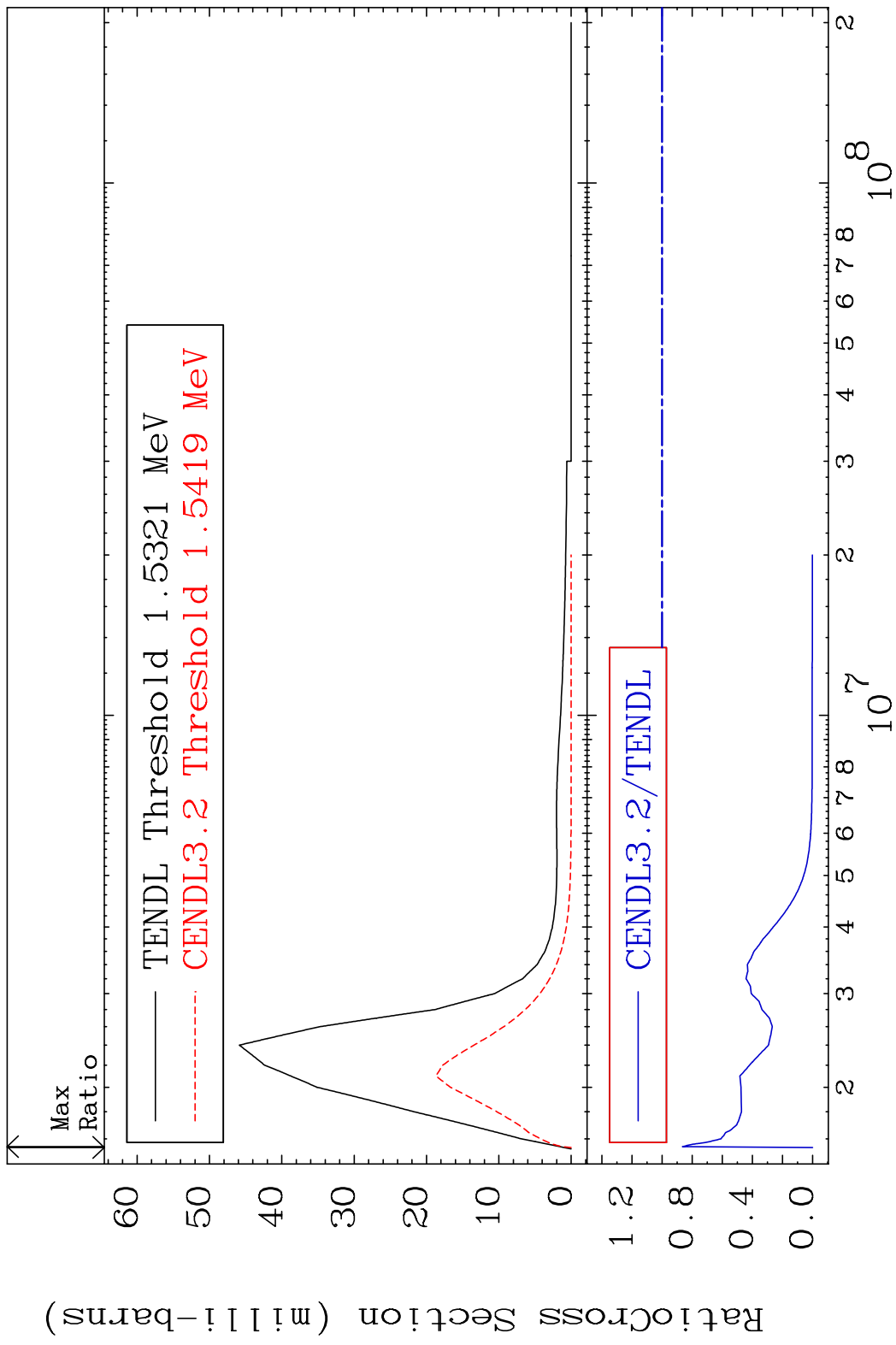
MAT 7237 MT= 74 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 153.6 %



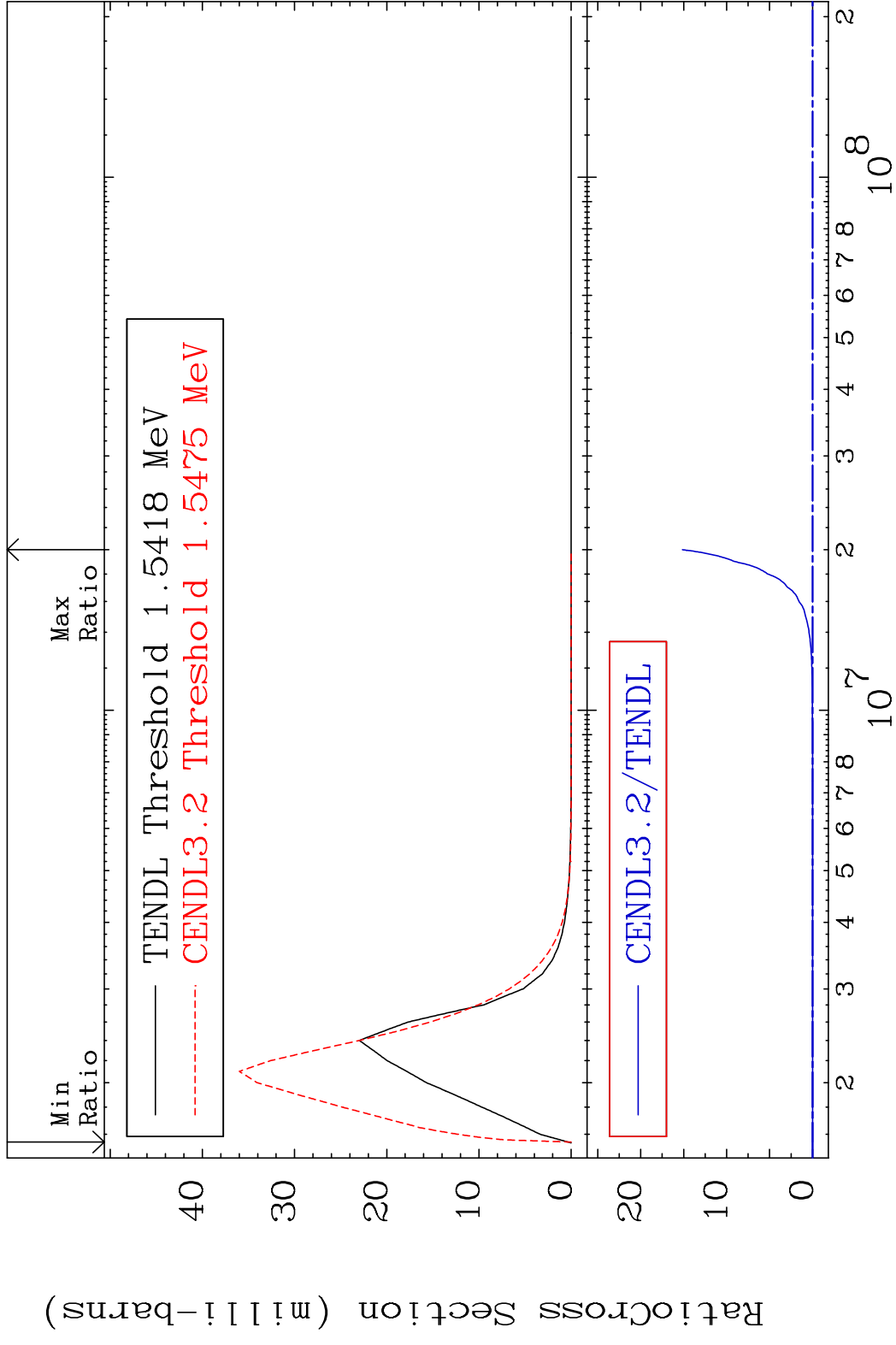
MAT 7237 MT= 75 (n,n') Level 72-Hf-178  
 Cross Section -74.10 To 9999. %



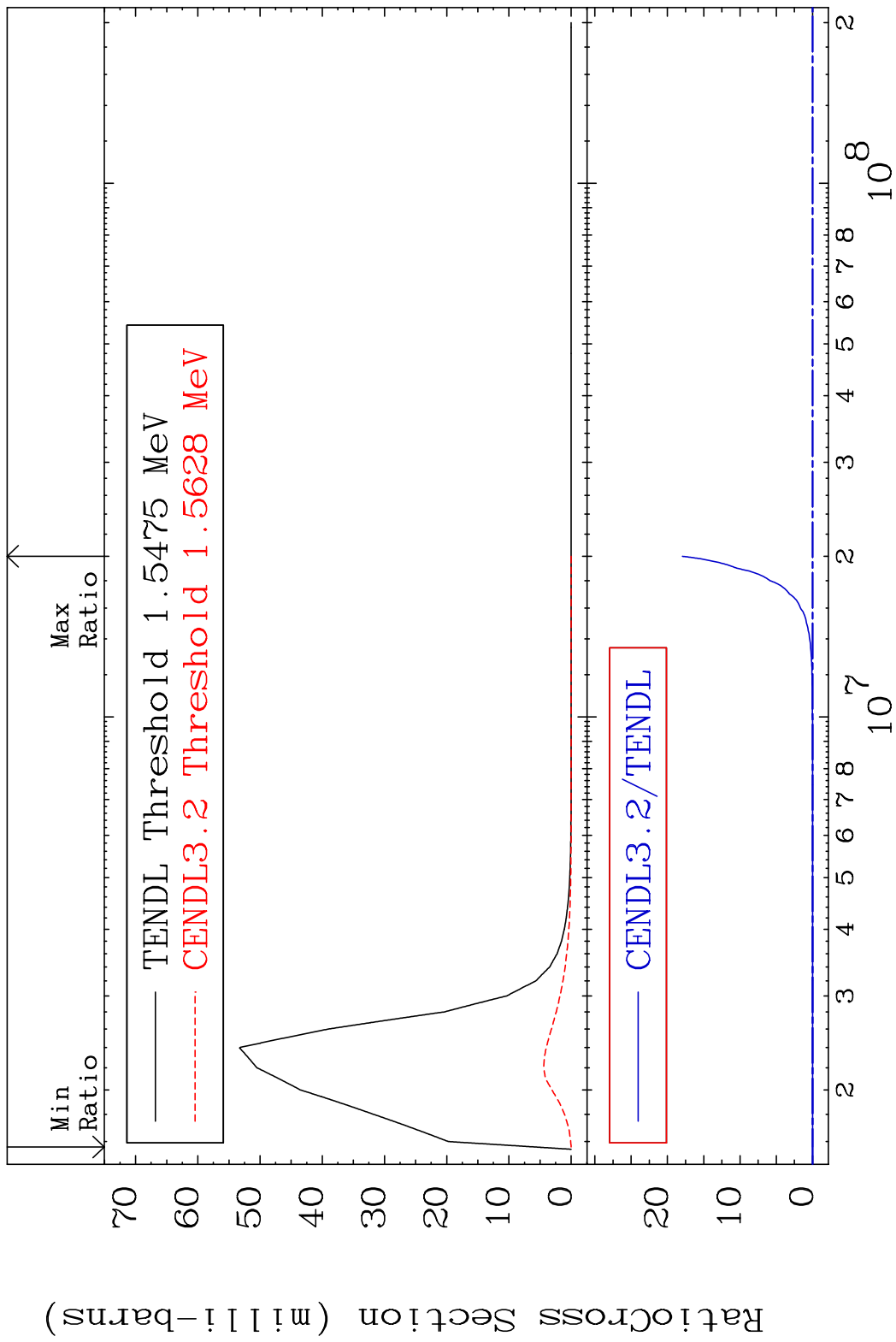
MAT 7237 MT= 76 (n,n') Level 72-Hf-178  
 Cross Section -100.0 To -13.46%



MAT 7237 MT= 77 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 9999. %



MAT 7237 MT= 78 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 9999. %

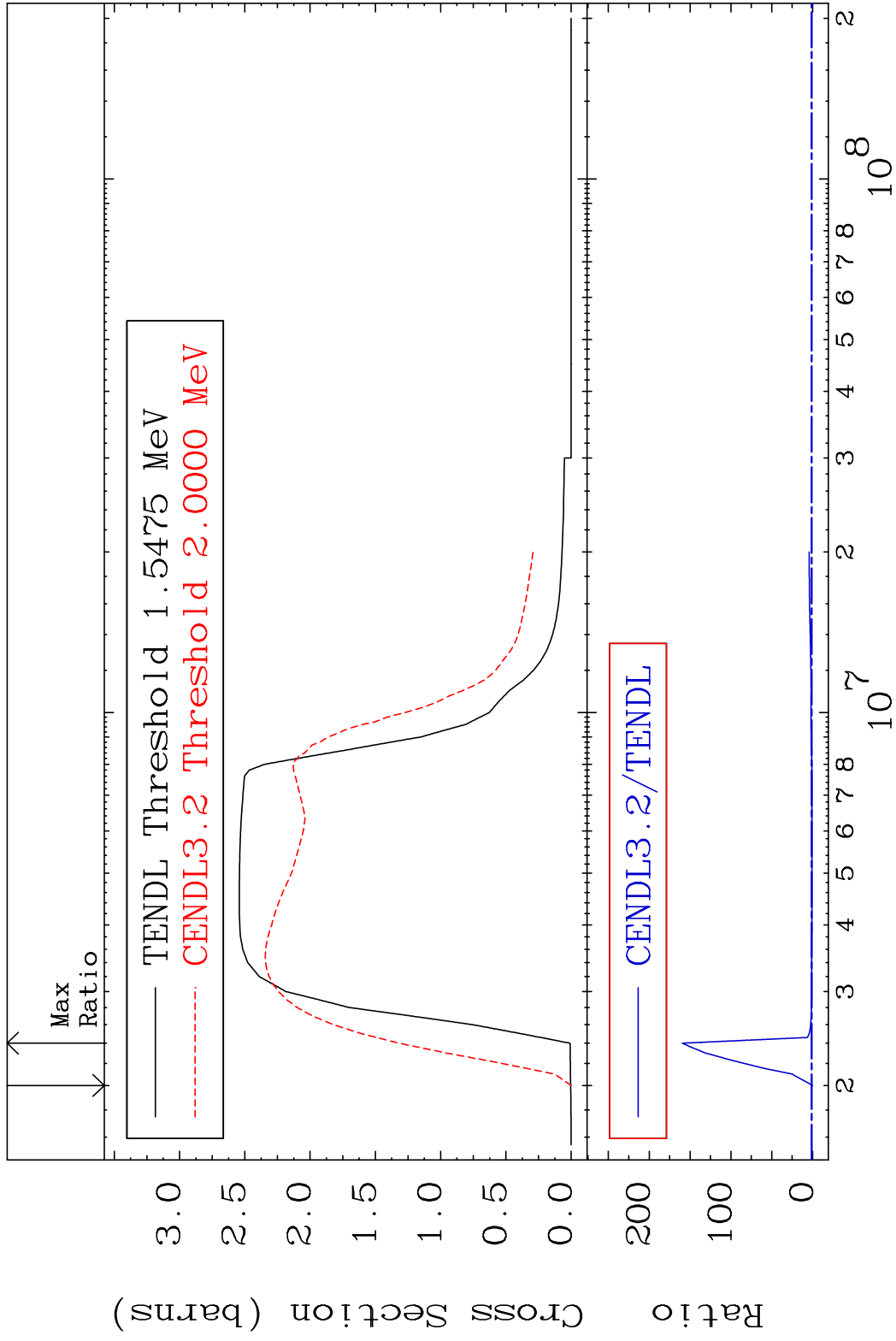


MAT 7237

(n,n') Continuum

72-Hf-178

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

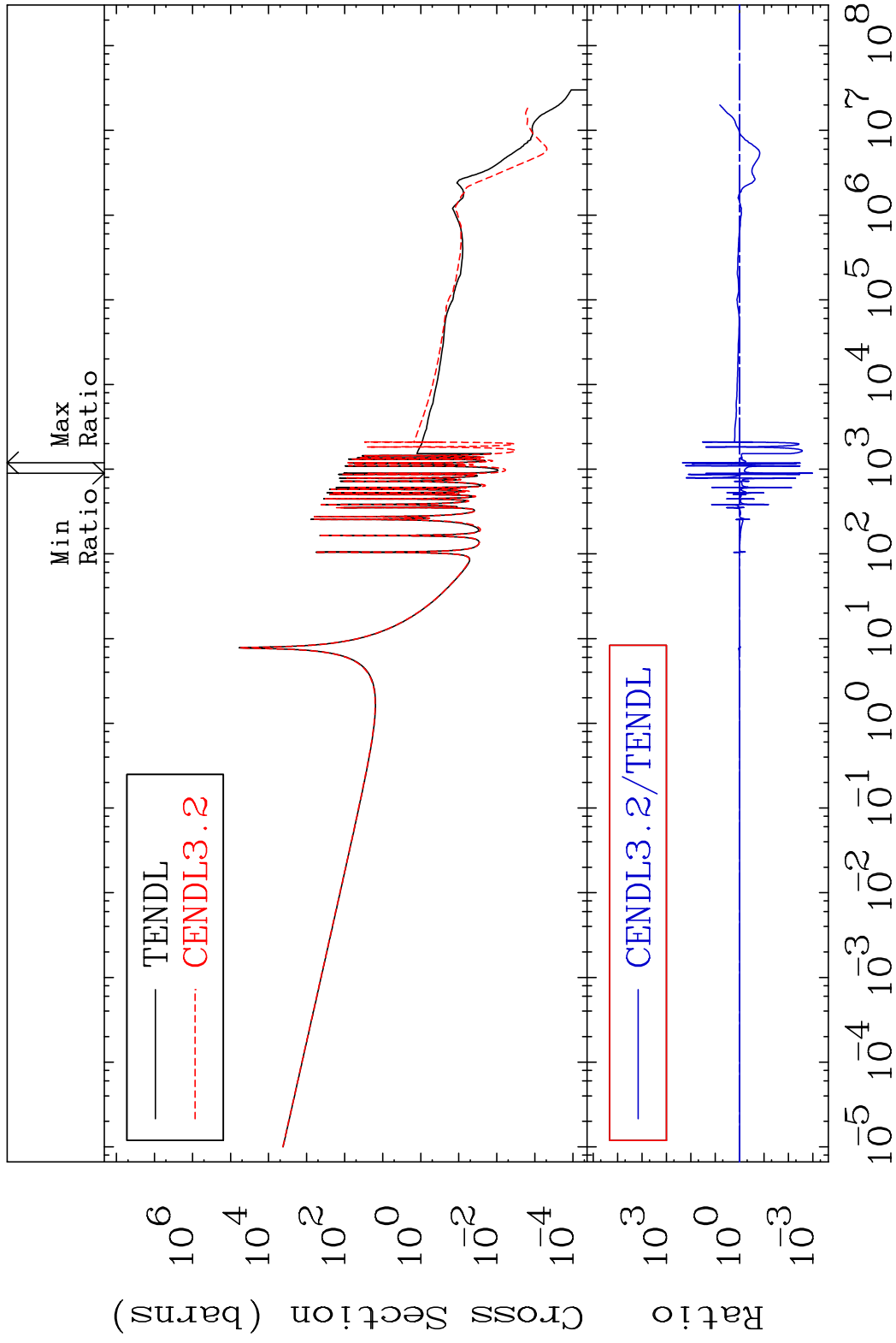
72-Hf-178

MAT 7237

(n,  $\gamma$ )

72-Hf-178

Cross Section -99.90 To 9999. %



37

Incident Energy (eV)

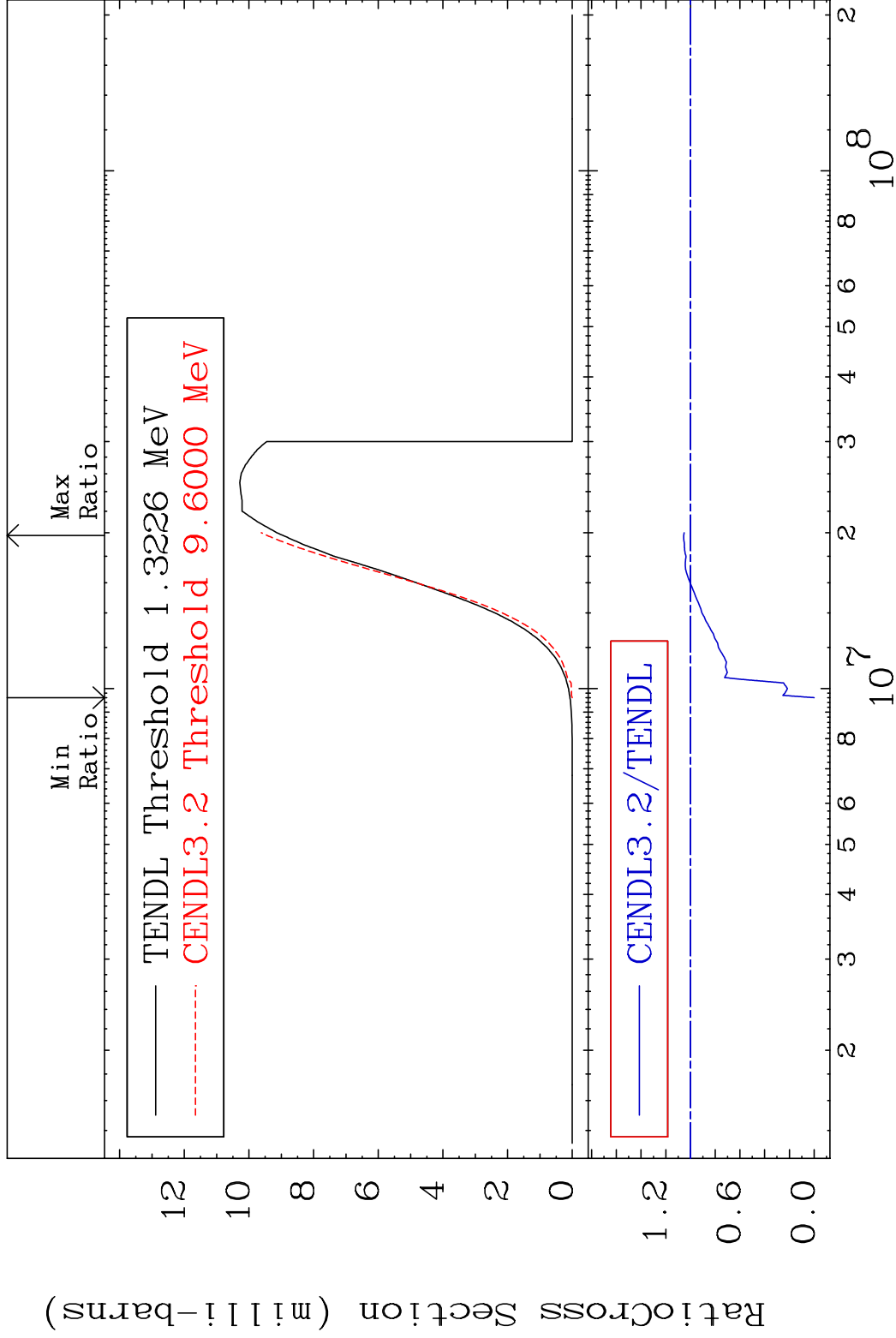
72-Hf-178

MAT 7237

(n, p)

72-Hf-178

Cross Section -100.0 To 5.542 %



38

Incident Energy (eV)

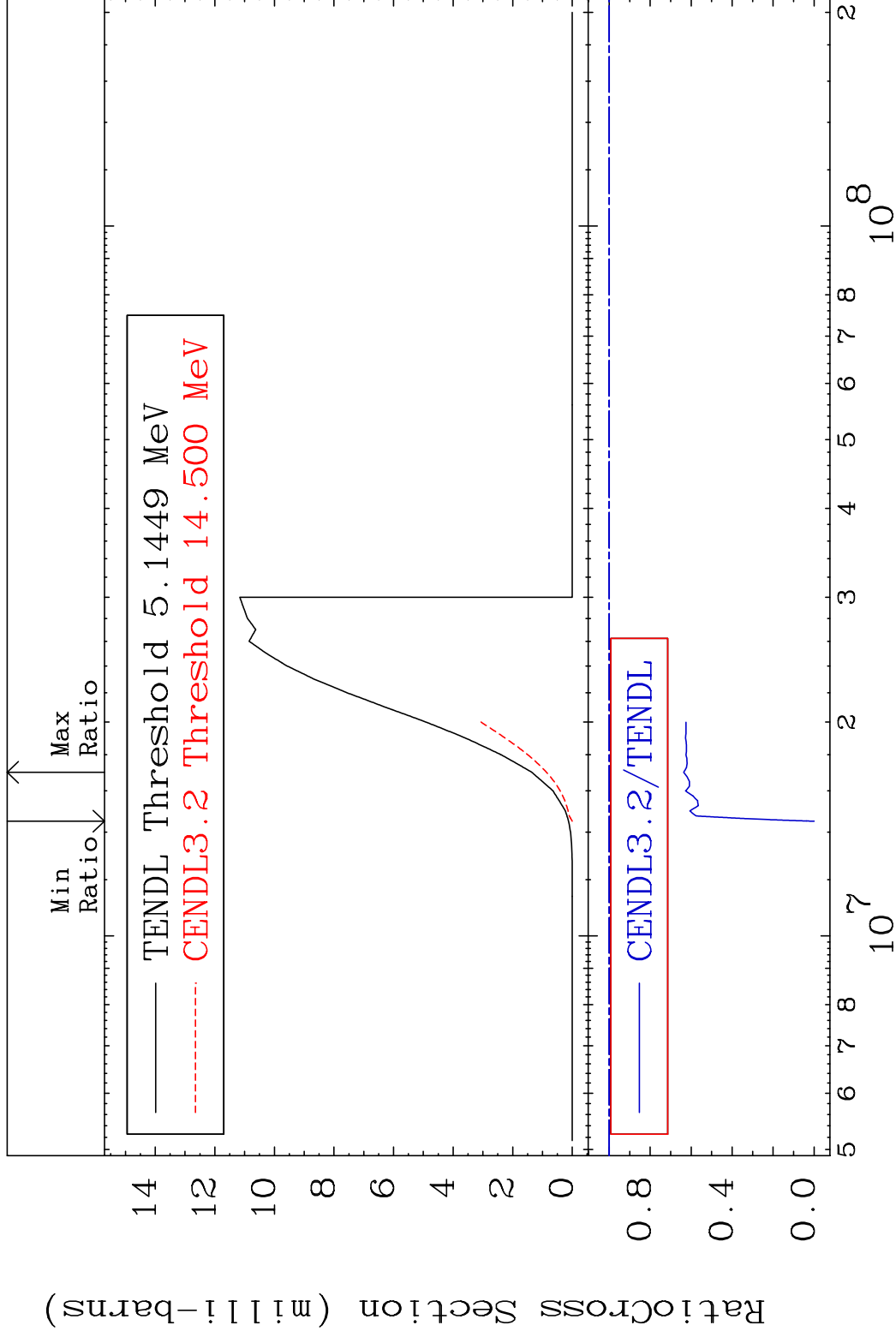
72-Hf-178

MAT 7237

(n,d)

72-Hf-178

Cross Section -100.0 To -36.33%



39

Incident Energy (eV)

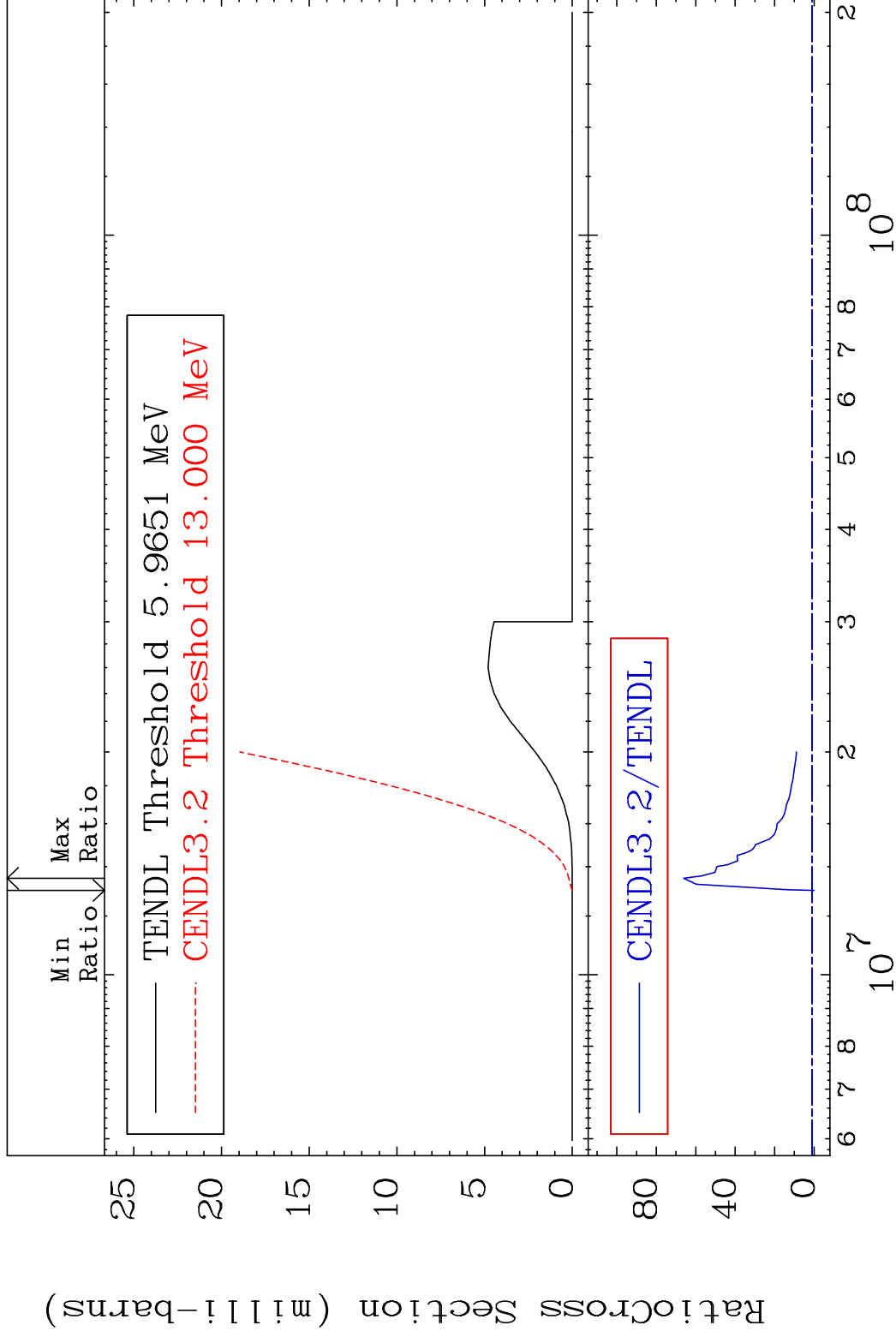
72-Hf-178

MAT 7237

(n, t)

72-Hf-178

Cross Section -100.0 To 6513. %



40

Incident Energy (eV)

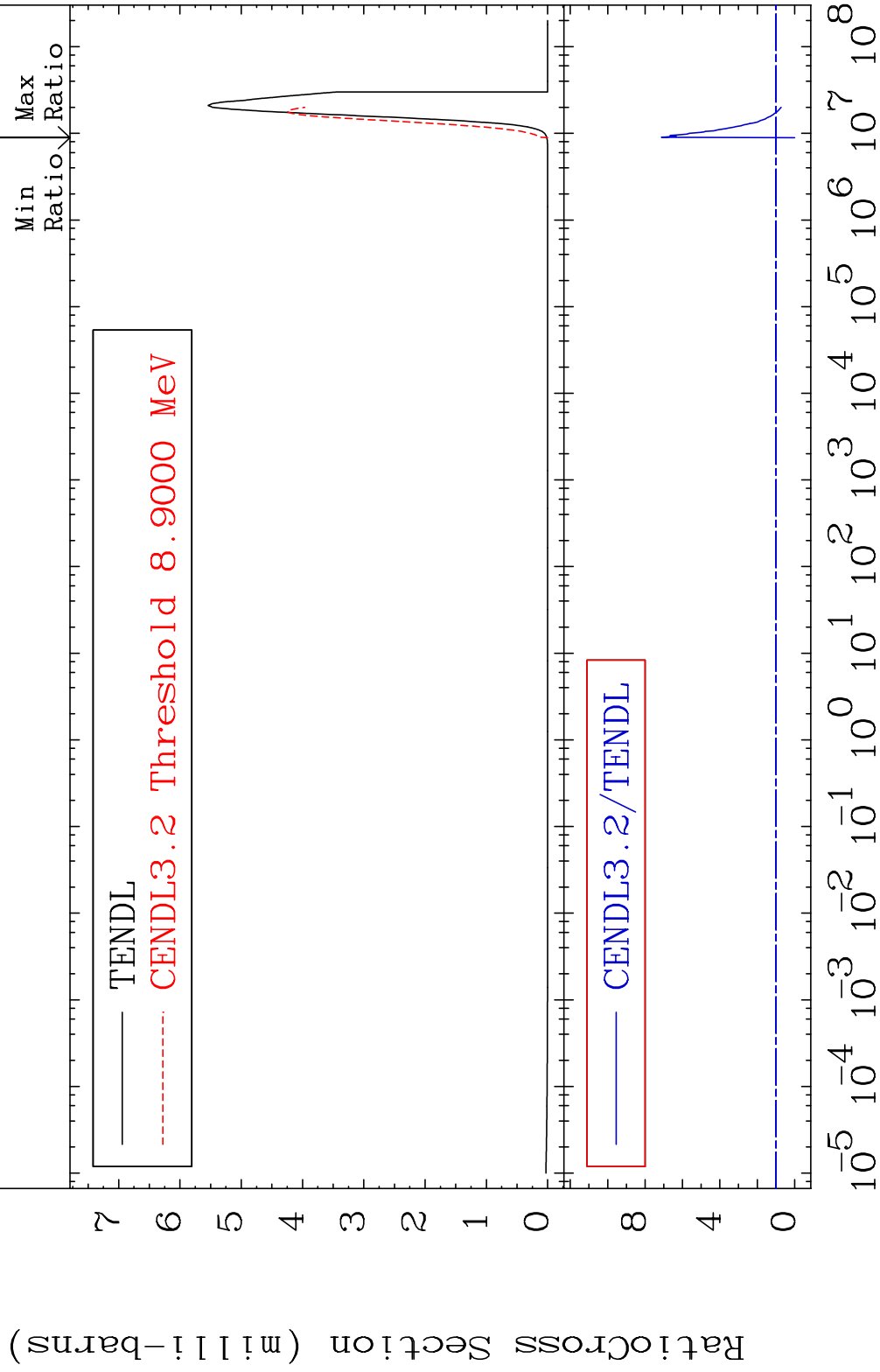
72-Hf-178

MAT 7237

(n,  $\alpha$ )

72-Hf-178

Cross Section -100.0 To 612.6 %



41

Incident Energy (eV)

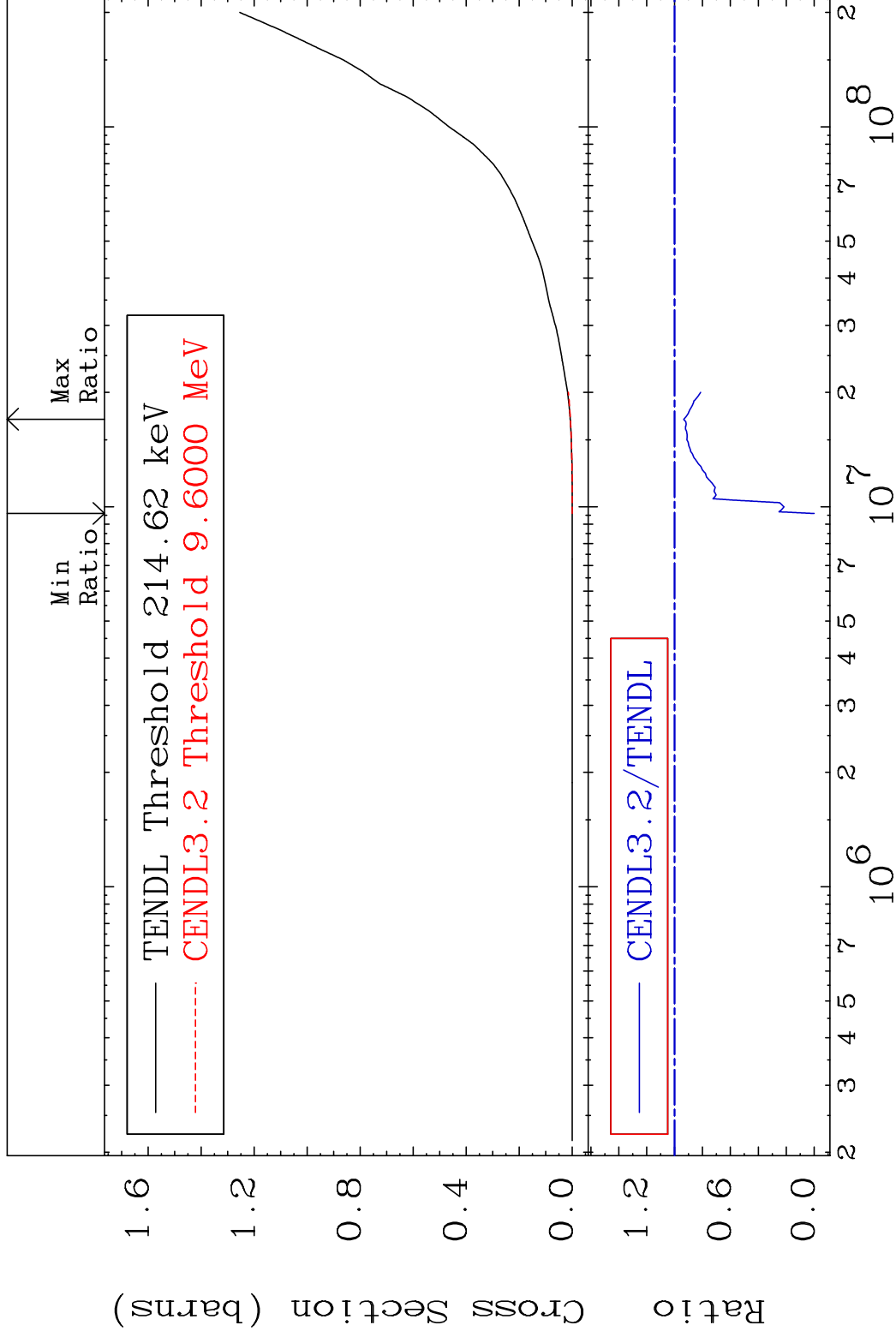
72-Hf-178

MAT 7237

Hydrogen Production

72-Hf-178

Cross Section -100.0 To -6.500%



42

Incident Energy (eV)

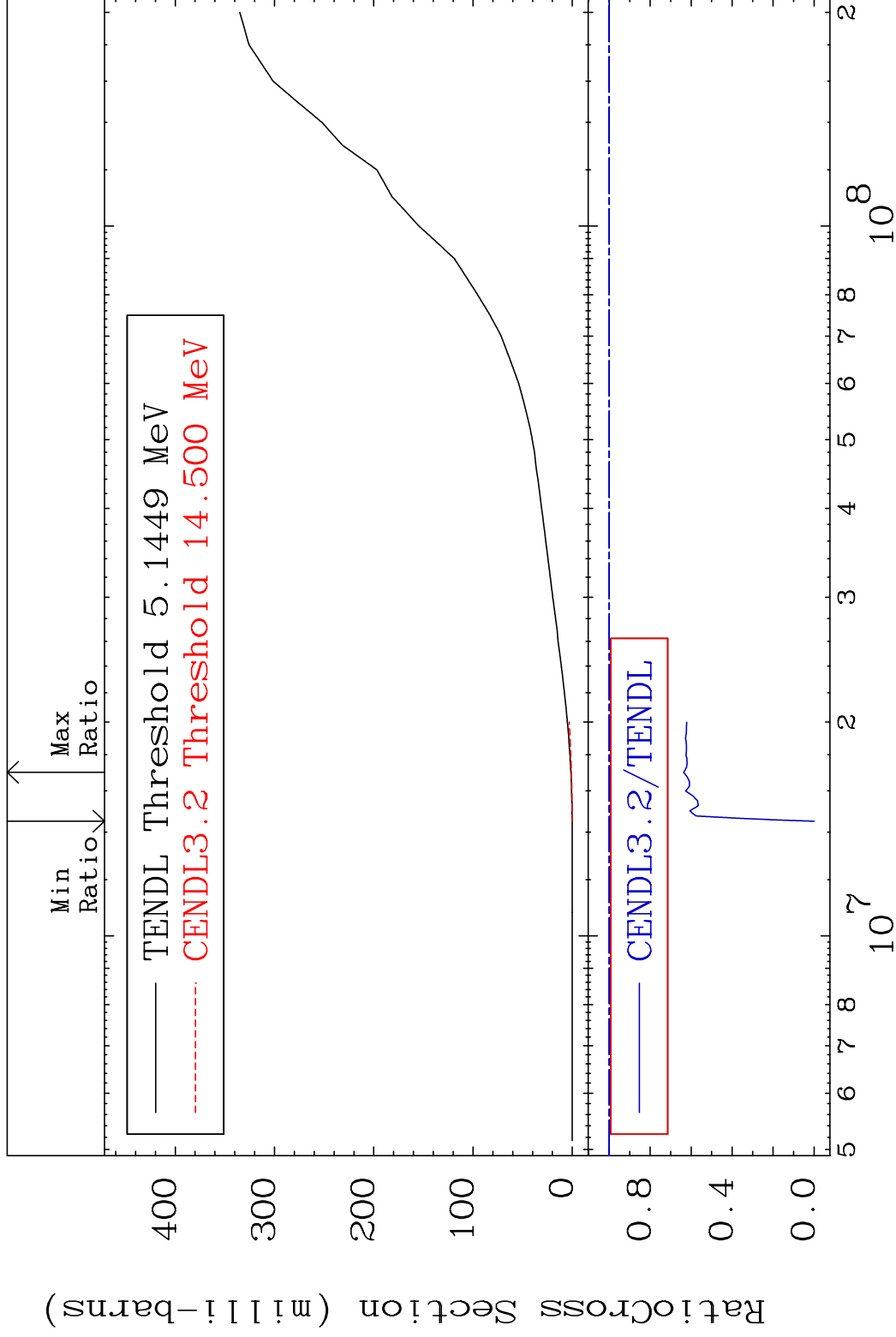
72-Hf-178

MAT 7237

Deuterium Production

72-Hf-178

Cross Section -100.0 To -36.33%



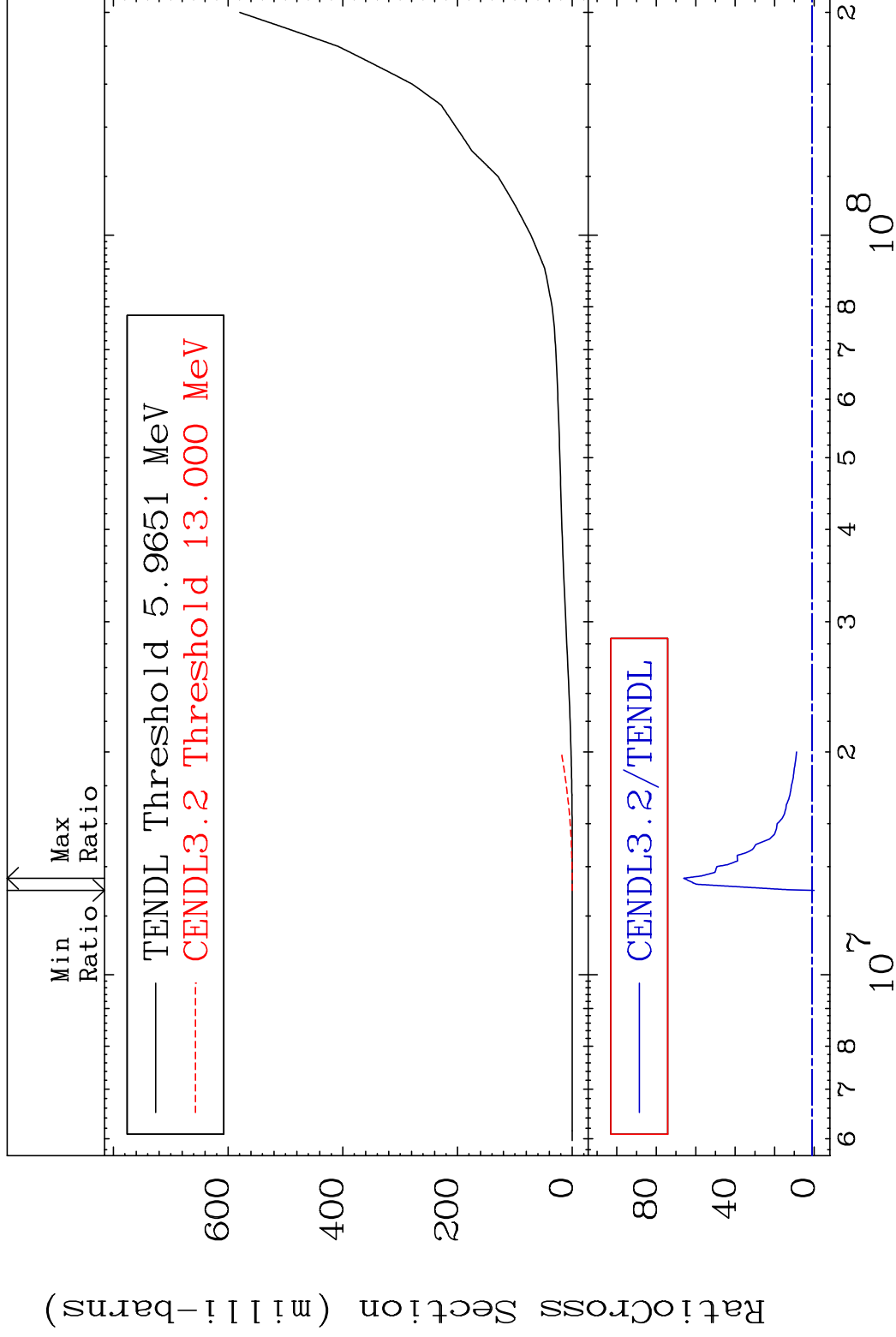
43

Incident Energy (eV)

72-Hf-178

MAT 7237

Tritium Production 72-Hf-178  
Cross Section -100.0 To 6513. %



44

Incident Energy (eV)

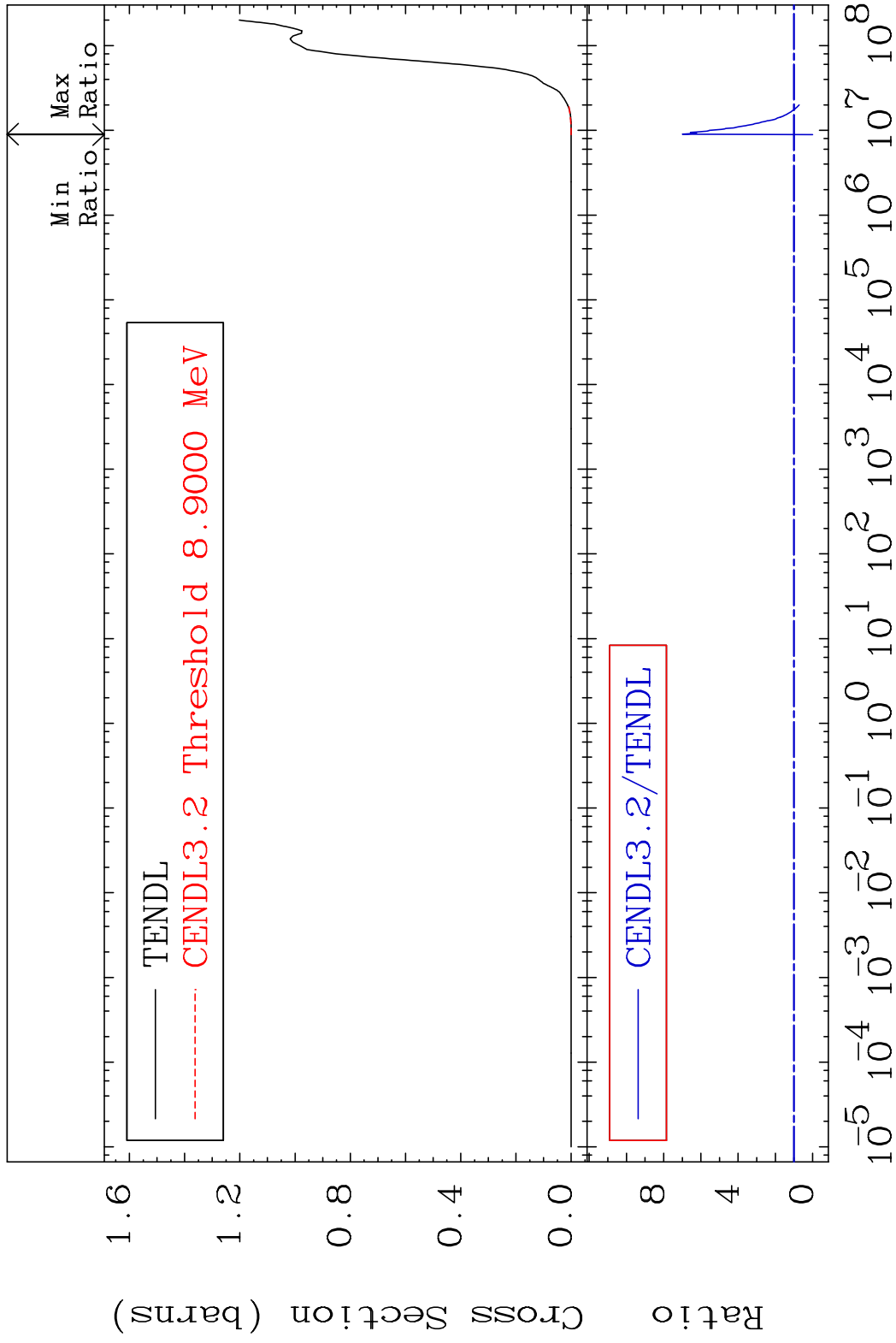
72-Hf-178

MAT 7237

He-4 Production

72-Hf-178

Cross Section -100.0 To 599.6 %



45

Incident Energy (eV)

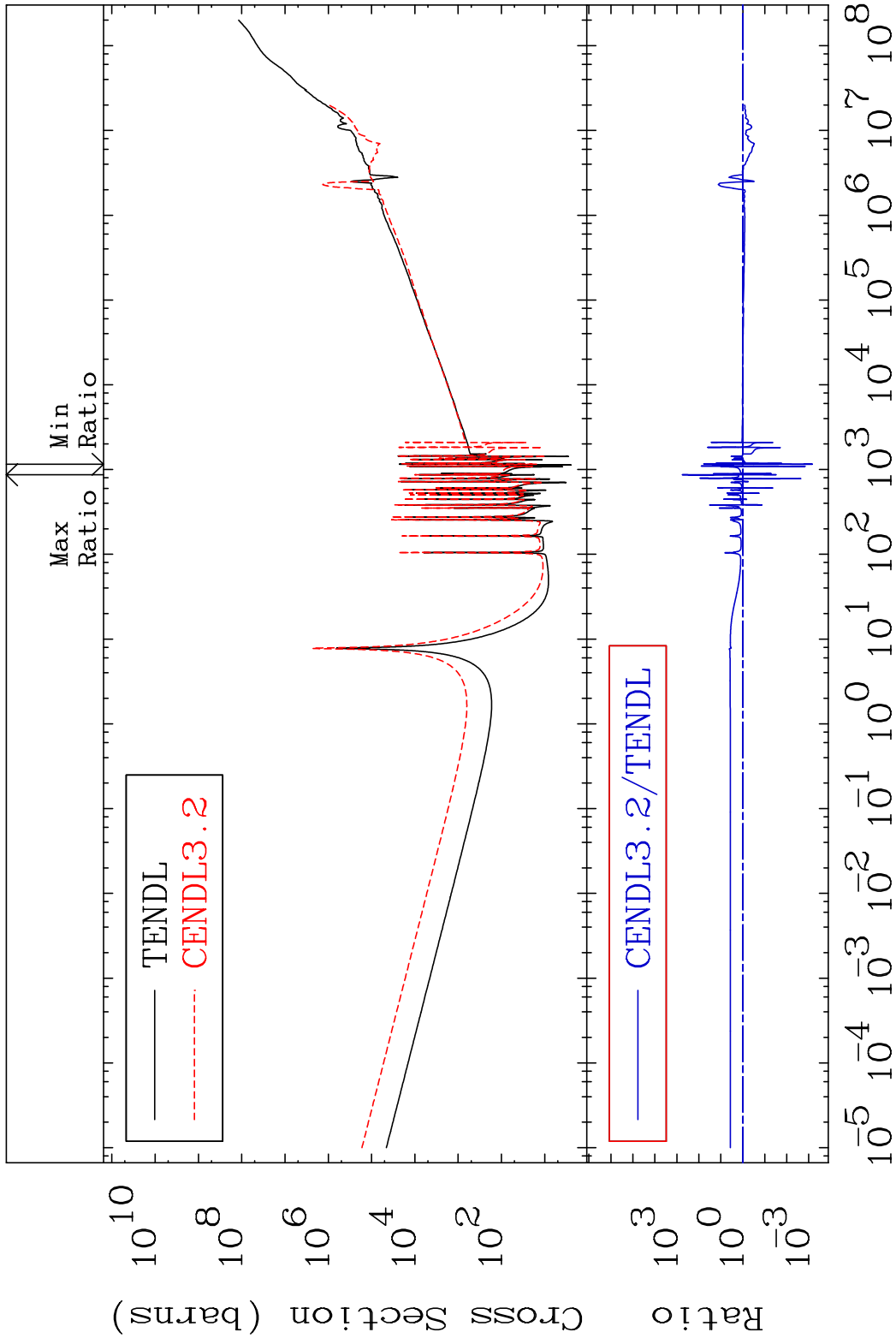
72-Hf-178

MAT 7237

Kerma total (eV-barns)

72-Hf-178

Cross Section -99.93 To 9999. %



46

Incident Energy (eV)

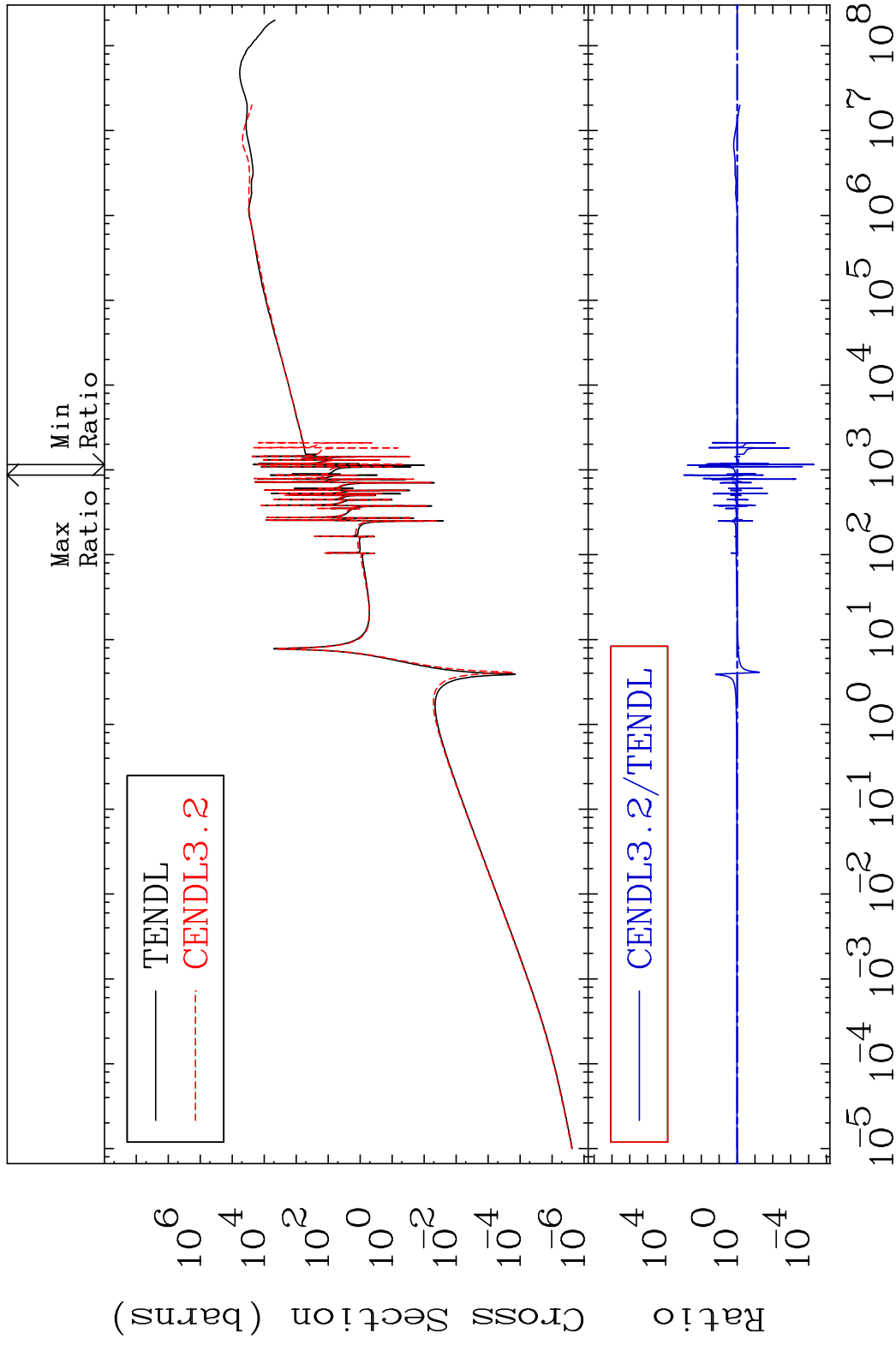
72-Hf-178

MAT 7237

Kerma elastic

72-Hf-178

Cross Section -100.0 To 9999. %

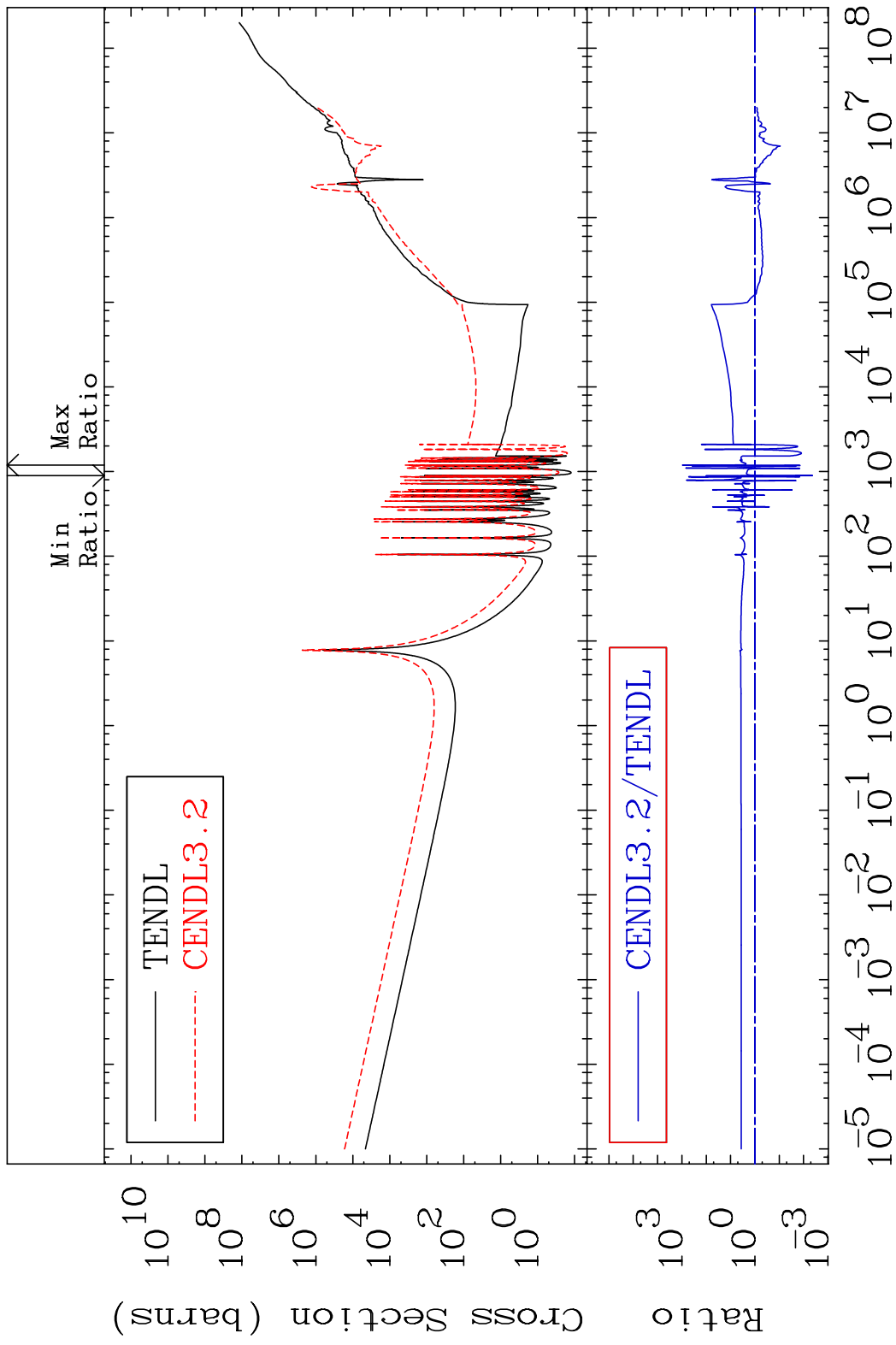


47

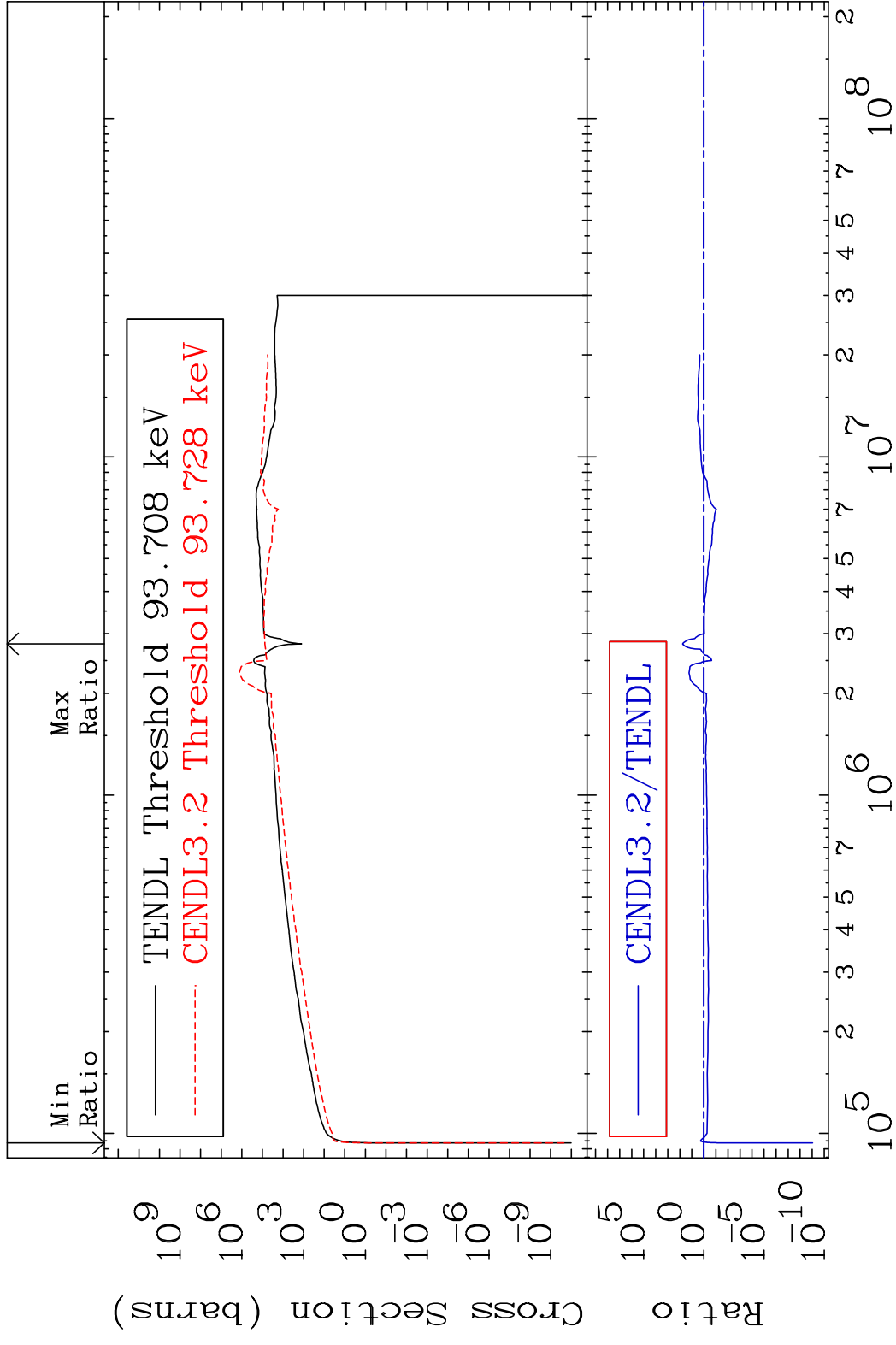
Incident Energy (eV)

72-Hf-178

MAT 7237 Kerma non-elastic (all but mt2) 72-Hf-178  
 Cross Section -99.57 To 9999. %

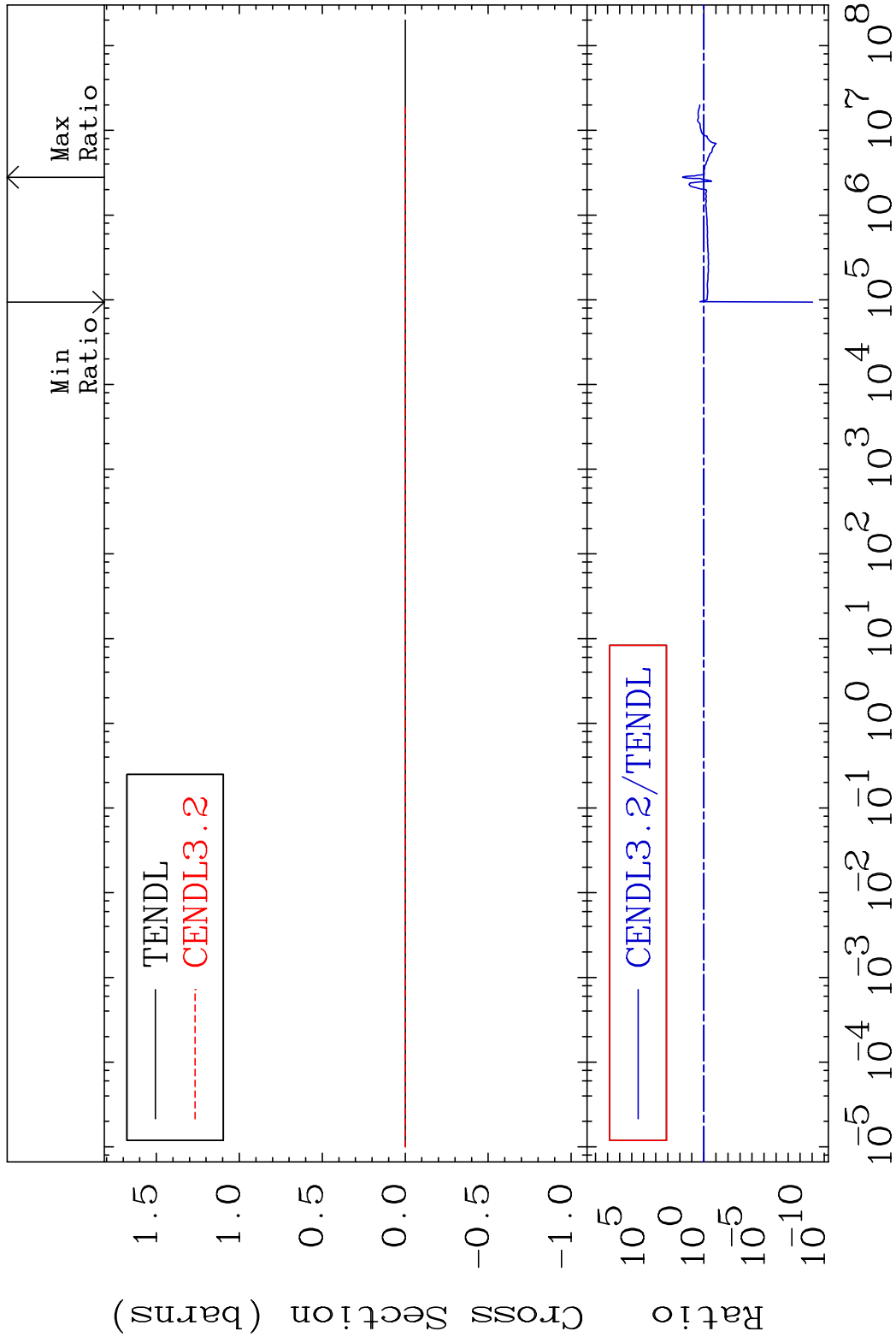


MAT 7237 Kerma inelastic (mt51-91) 72-Hf-178  
 Cross Section -100.0 To 6034. %



49 Incident Energy (eV) 72-Hf-178

MAT 7237 Kerma fission (mt18 or mt19-20-21-38) 72-Hf-178  
 Cross Section -100.0 To 6034. %

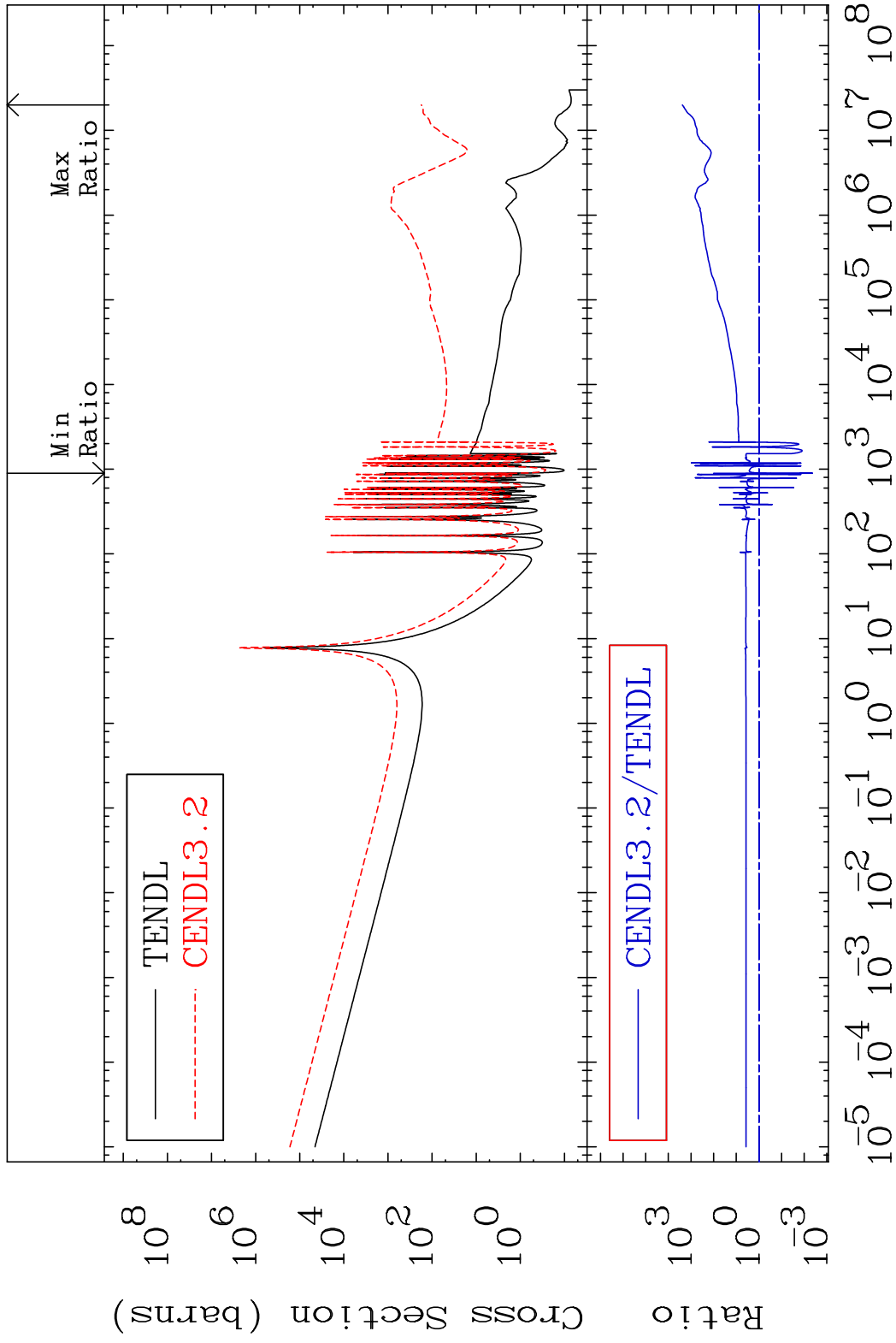


MAT 7237

Kerma capture (mt102)

72-Hf-178

Cross Section -99.57 To 9999. %



51

Incident Energy (eV)

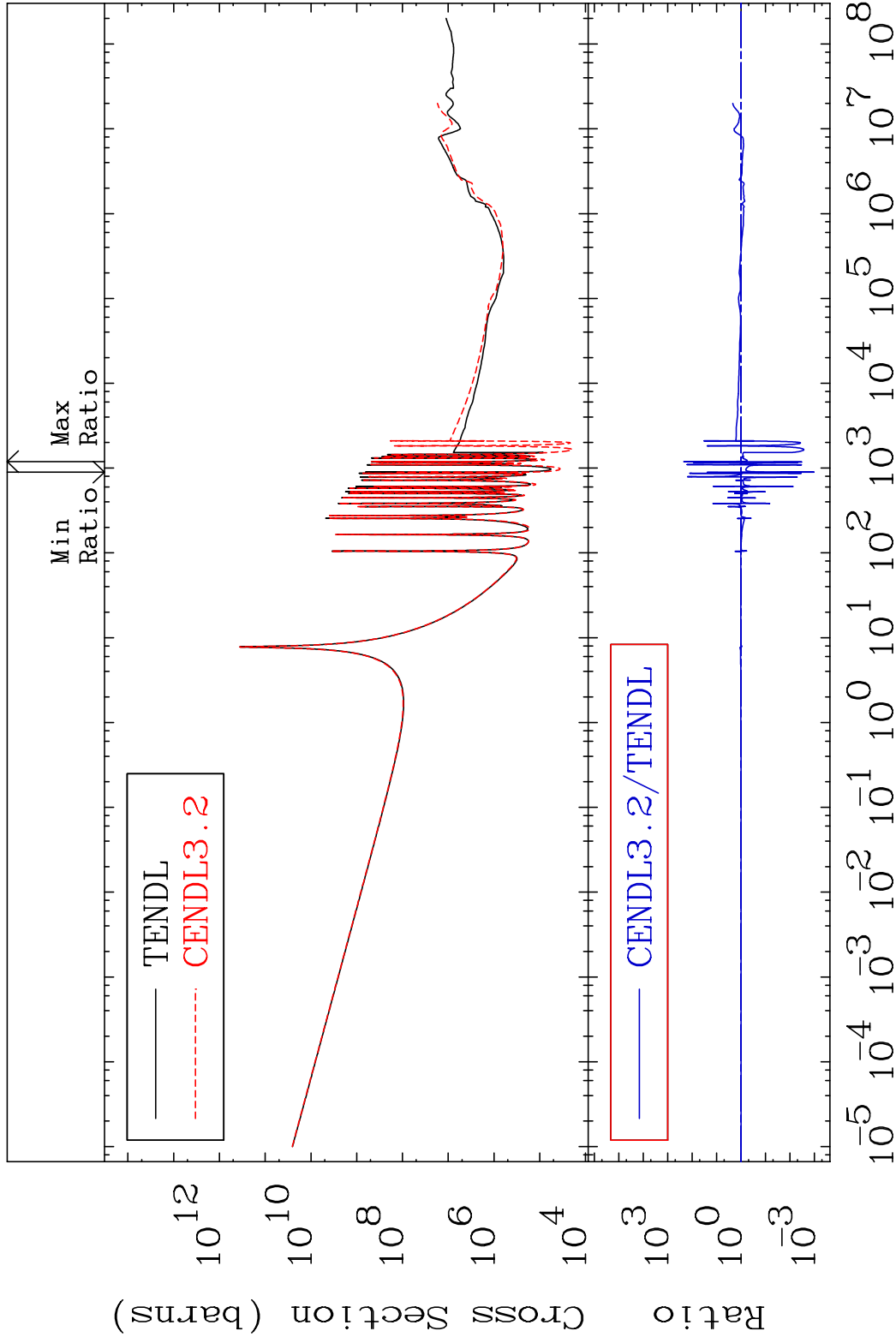
72-Hf-178

MAT 7237

Total photon (eV-barns)

72-Hf-178

Cross Section -99.90 To 9999. %

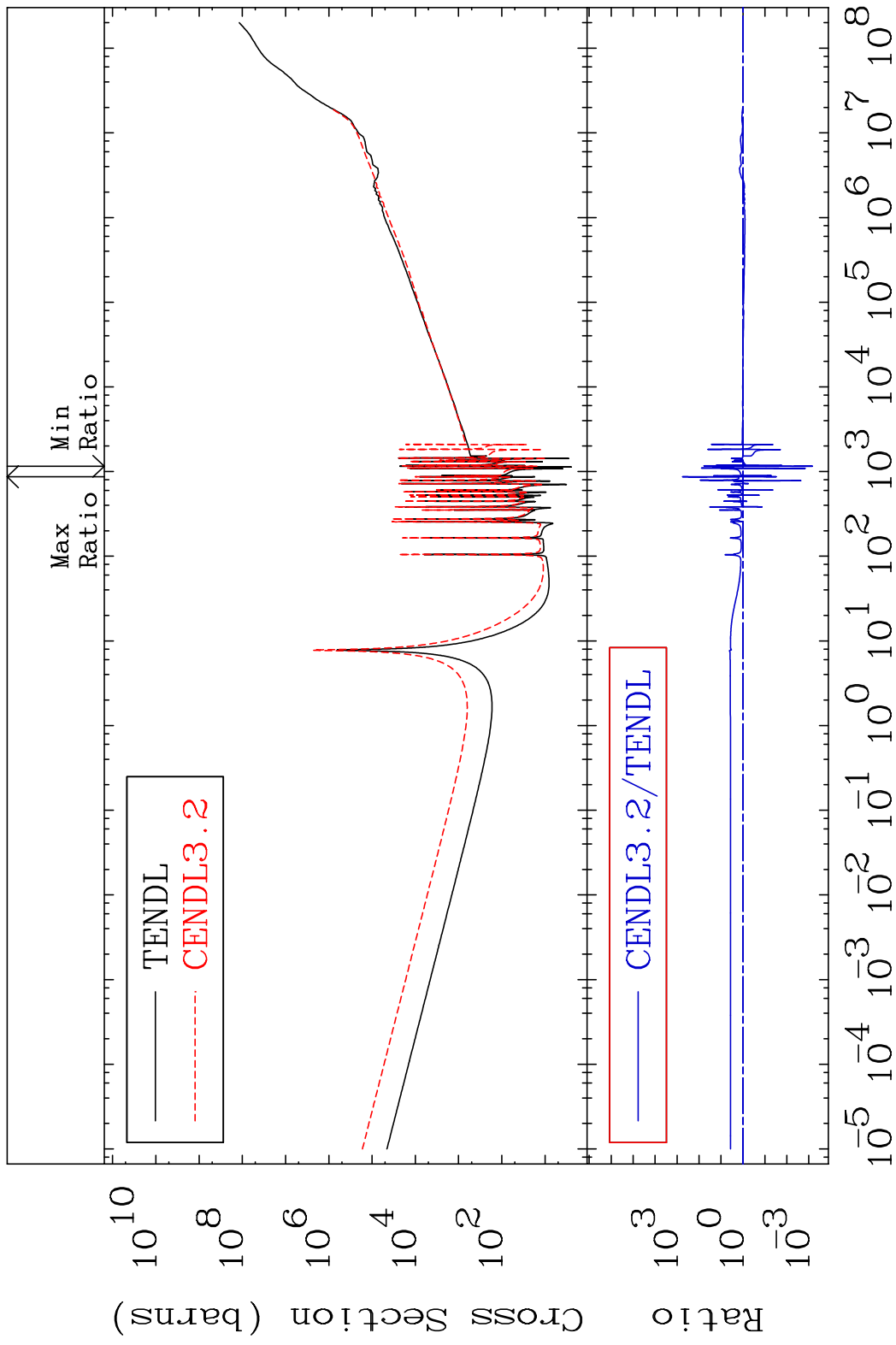


52

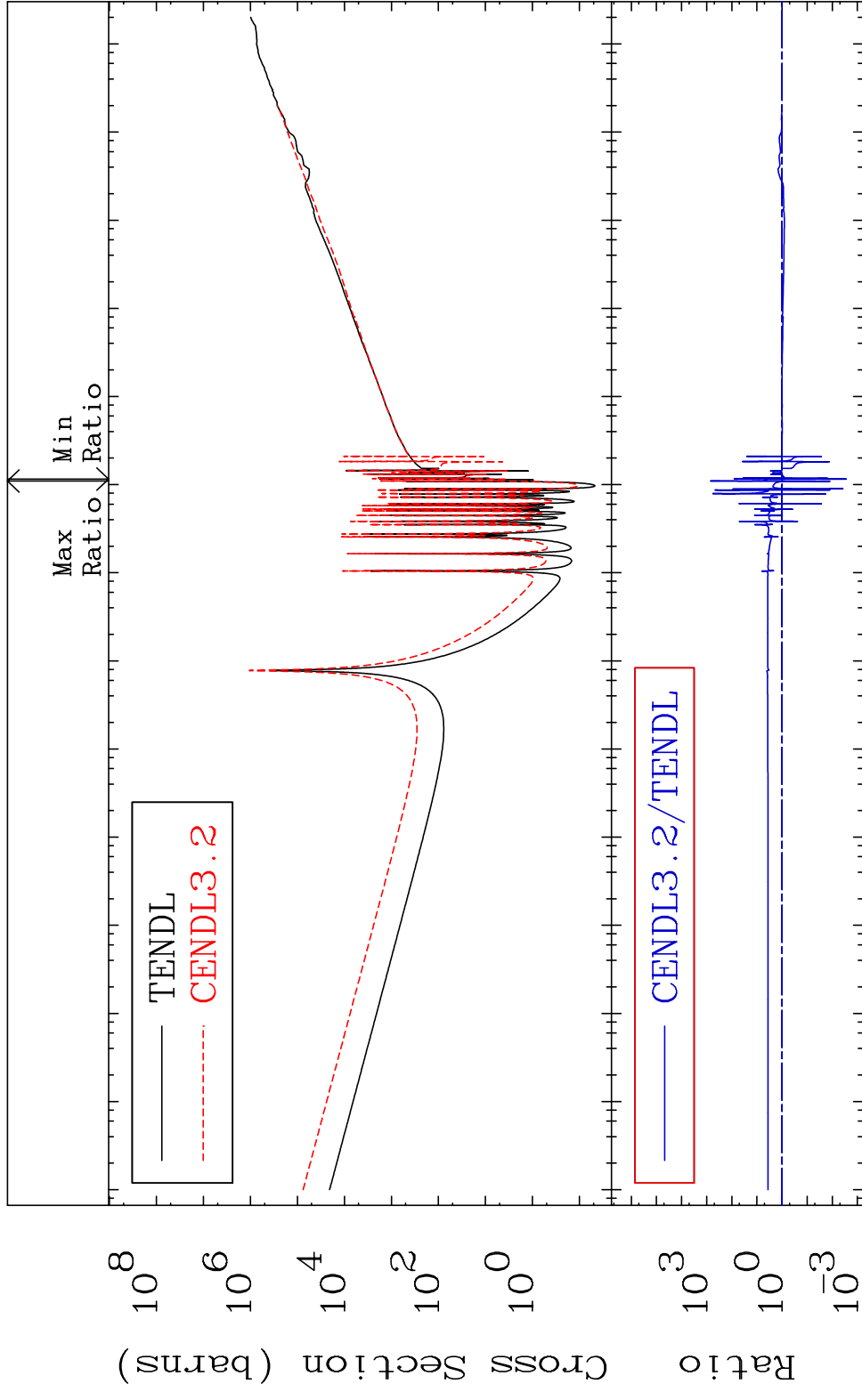
Incident Energy (eV)

72-Hf-178

MAT 7237 Total kinematic kerma (high limit) 72-Hf-178  
 Cross Section -99.93 To 9999. %



Cross Section -99.72 To 9999. %



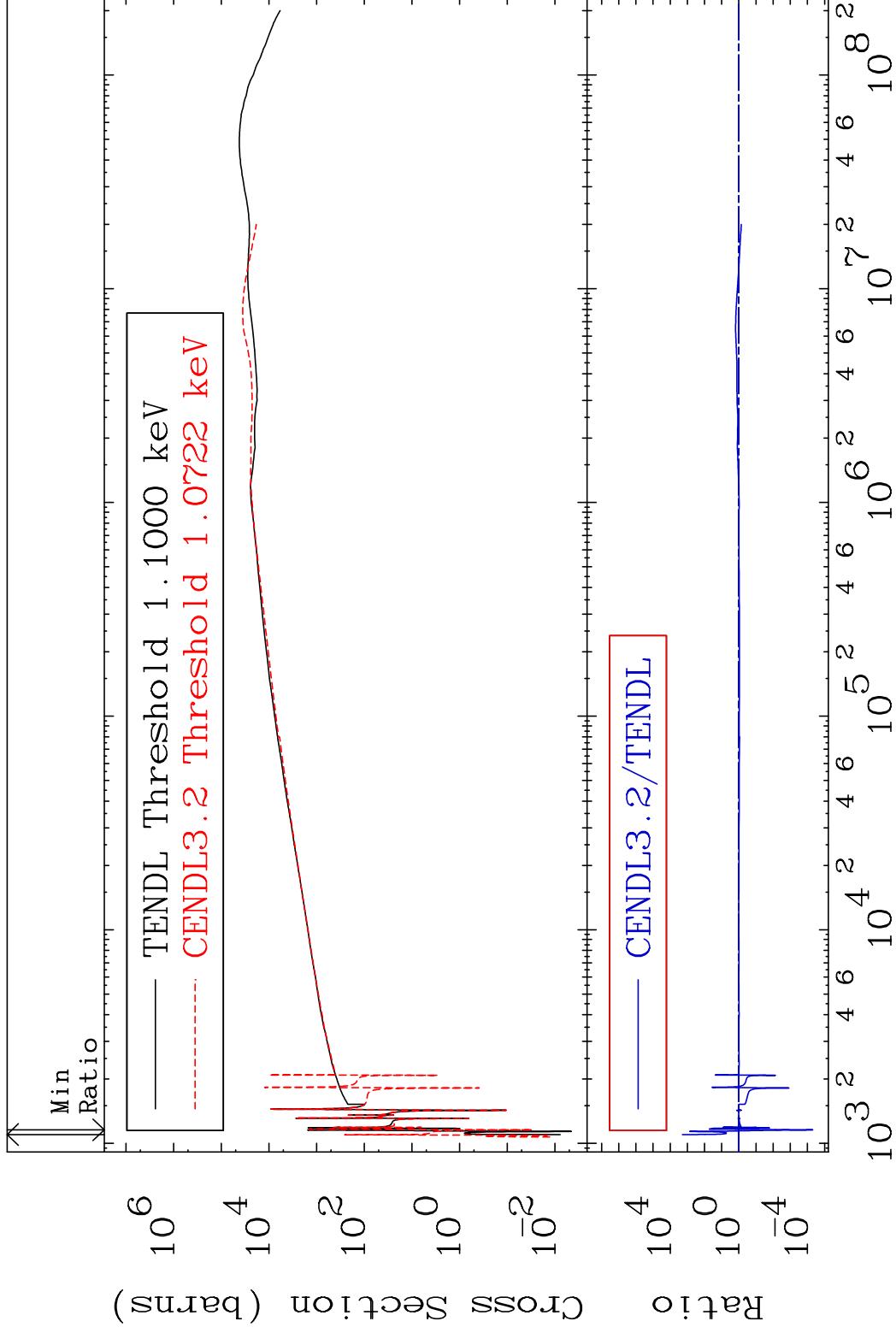
MAT 7237

Dpa elastic (mt2)

72-Hf-178

Cross Section

-99.99 To 9999. %

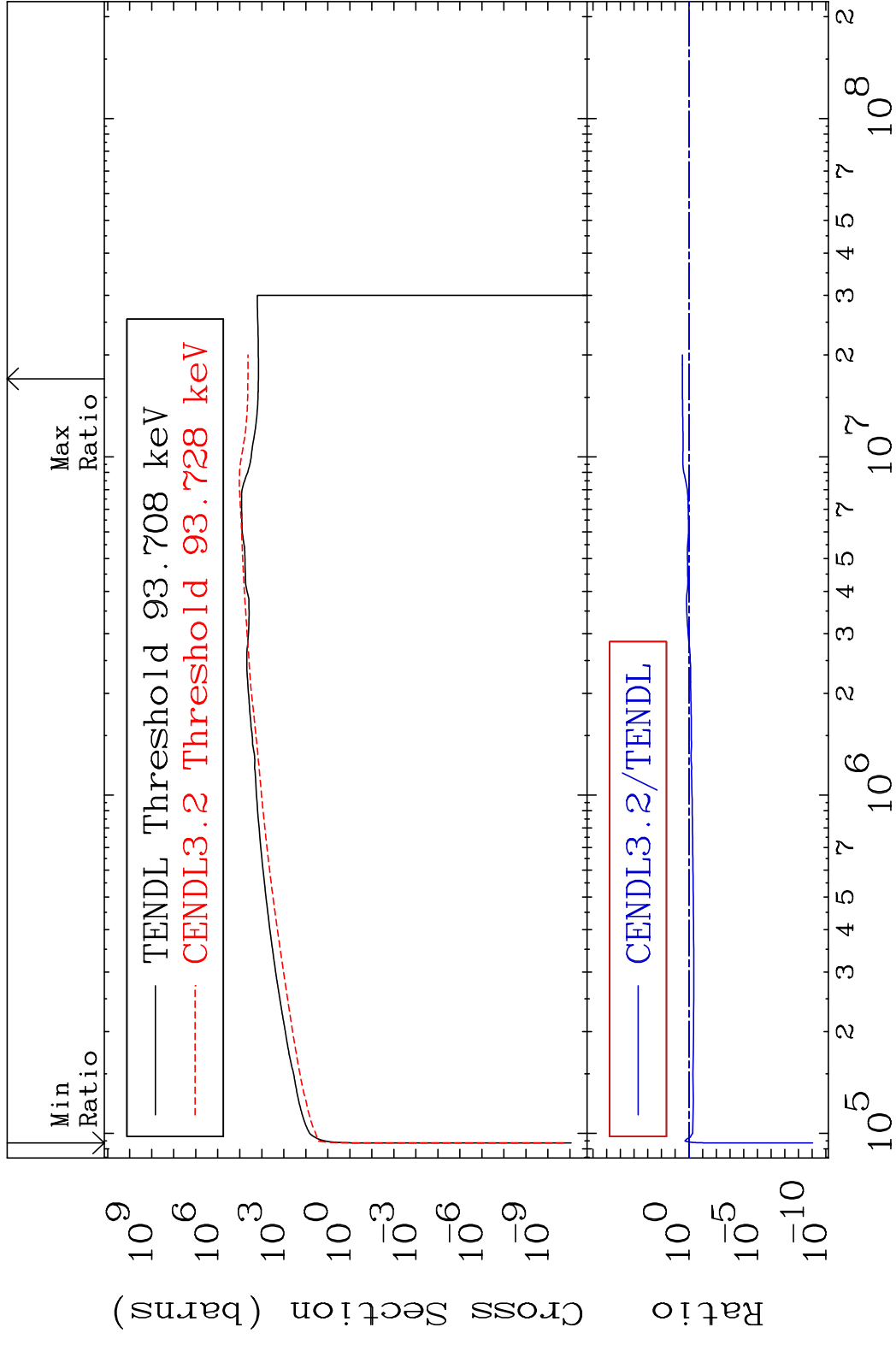


55

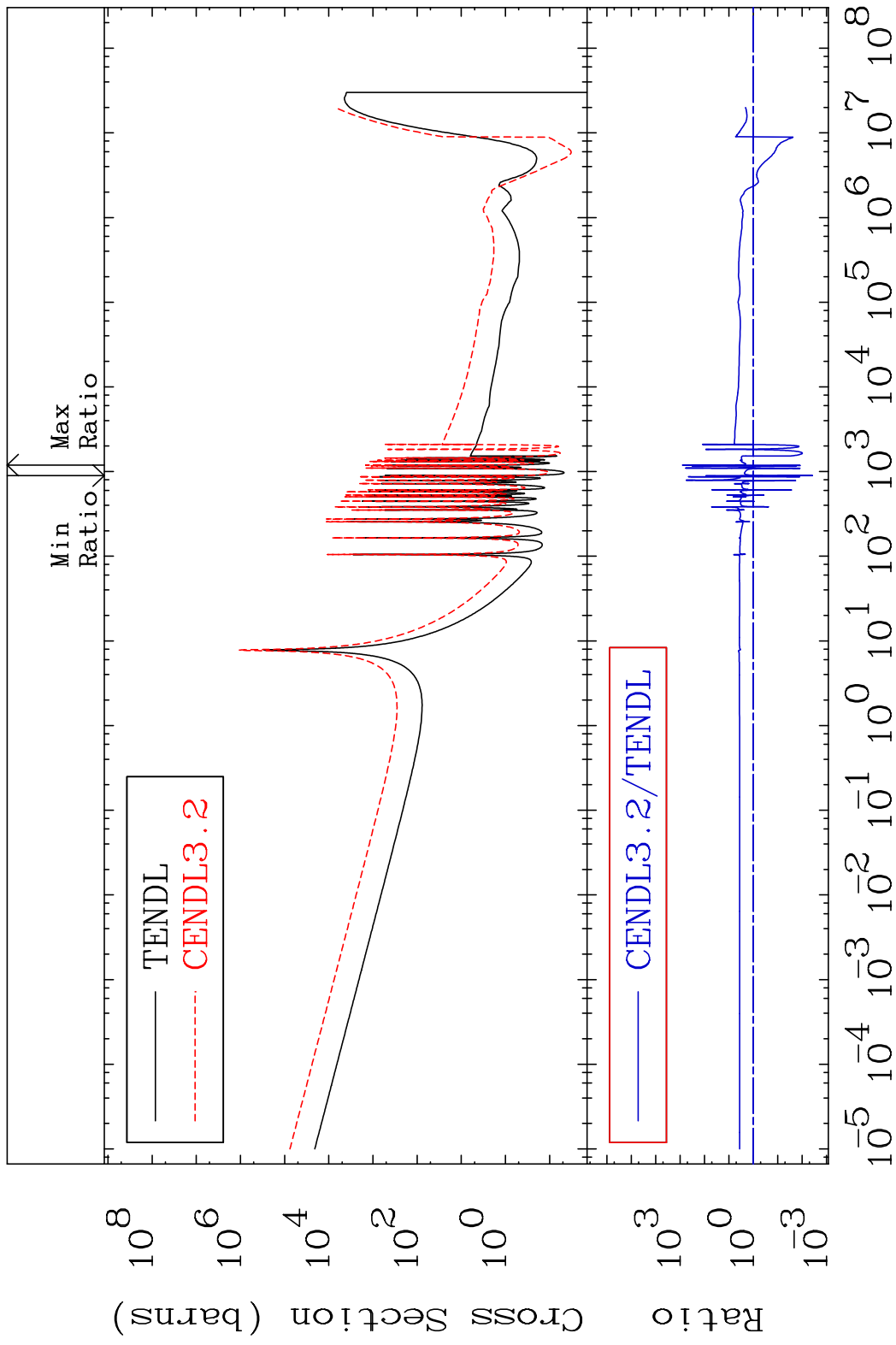
Incident Energy (eV)

72-Hf-178

MAT 7237      Dpa inelastic (mt51-91)      72-Hf-178  
 Cross Section      -100.0 To 200.4 %



MAT 7237 Dpa disappearance (mt102 -120) 72-Hf-178  
 Cross Section -99.63 To 9999. %

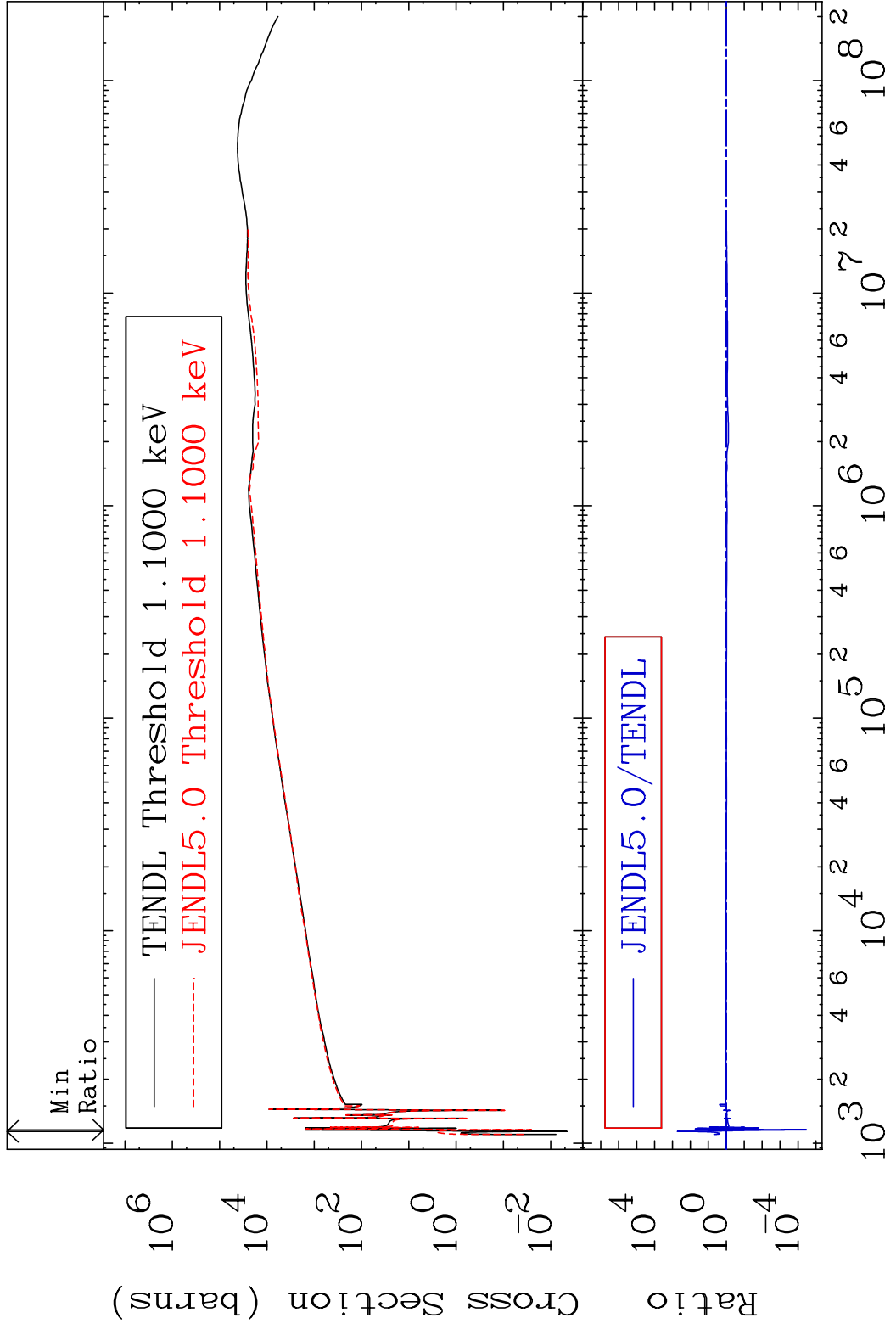


MAT 7237

Dpa elastic (mt2)

72-Hf-178

Cross Section -100.0 To 9999. %



58

Incident Energy (eV)

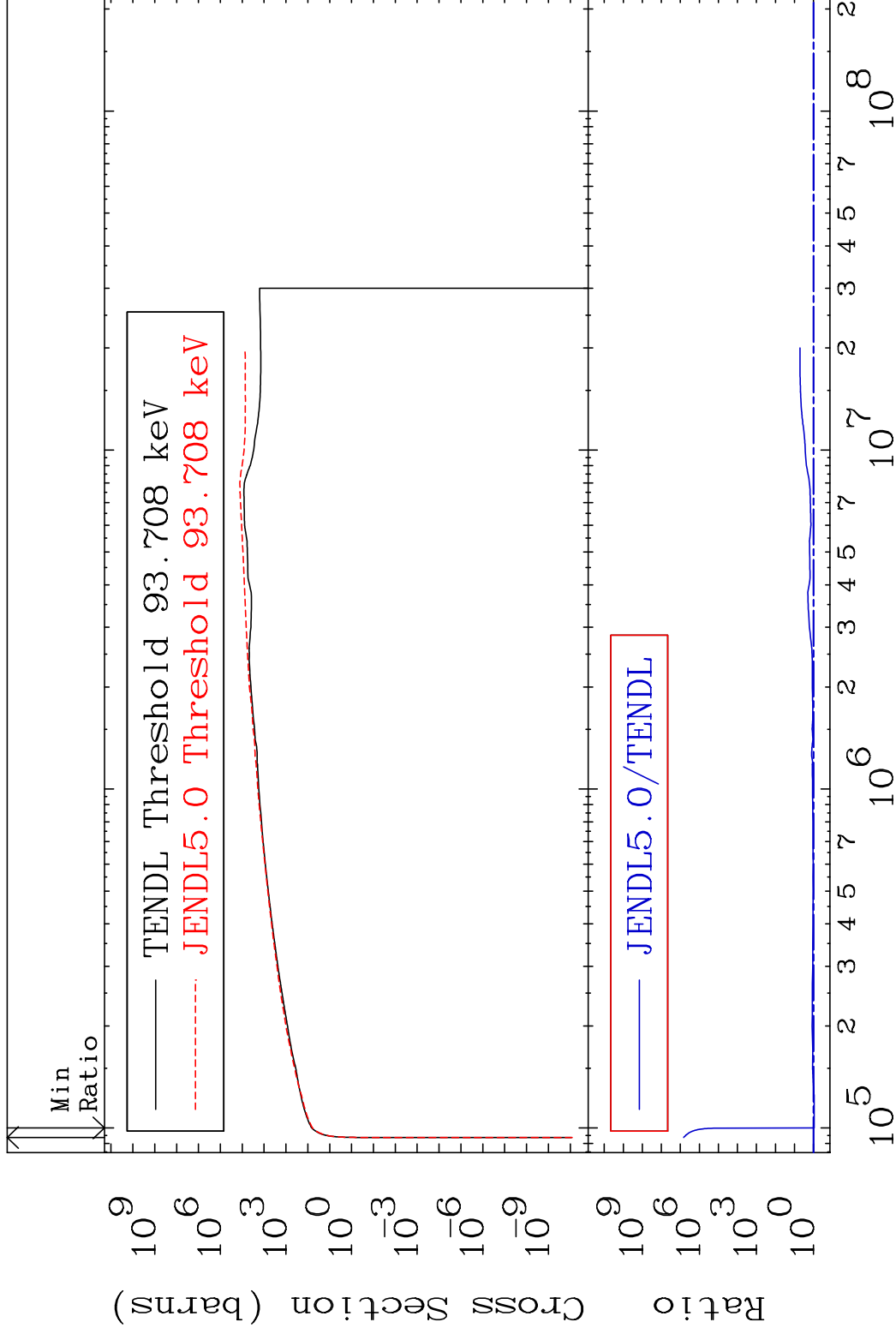
72-Hf-178

MAT 7237

Dpa inelastic (mt51-91)

72-Hf-178

Cross Section -7.249 To 9999. %

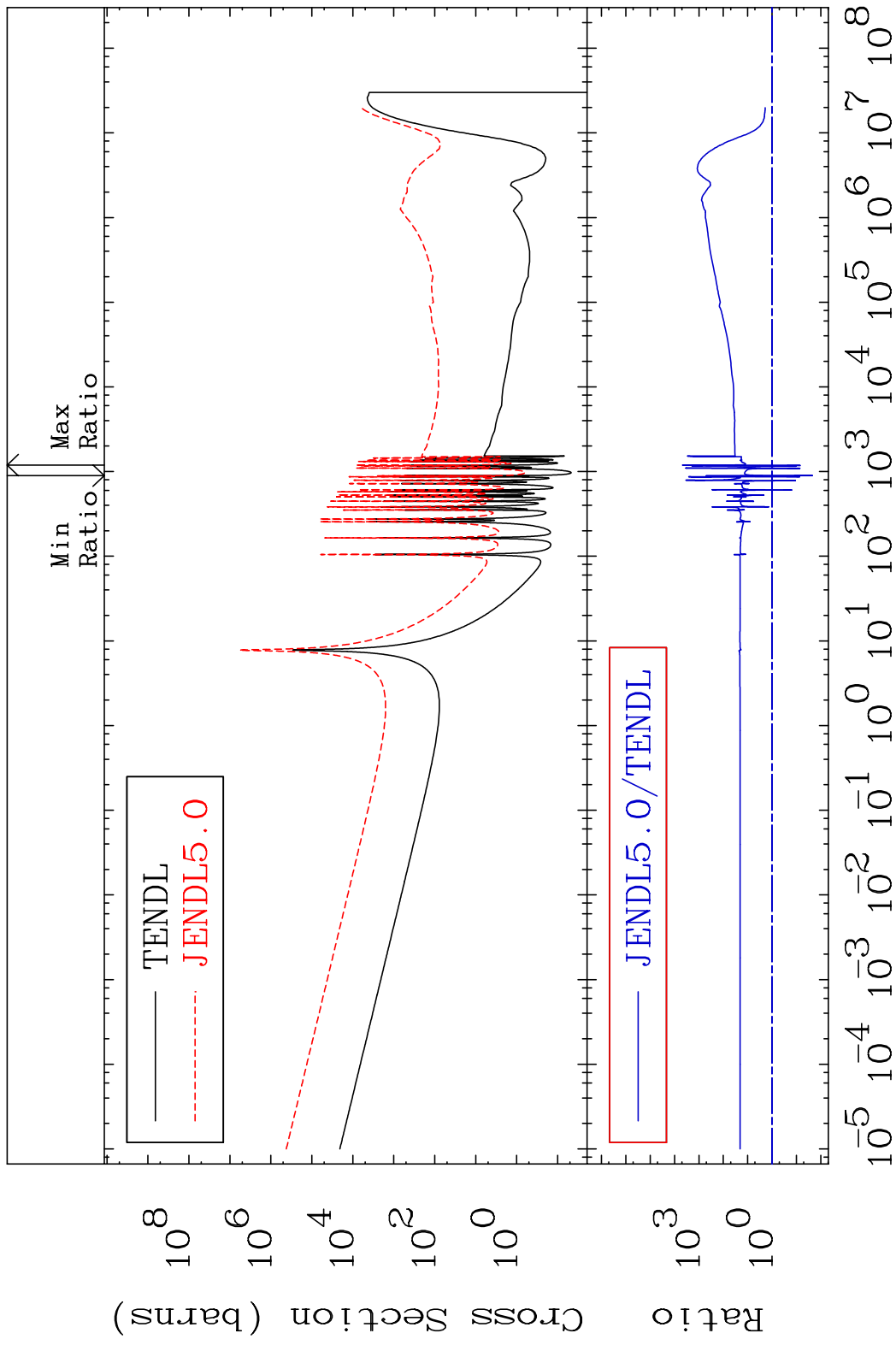


59

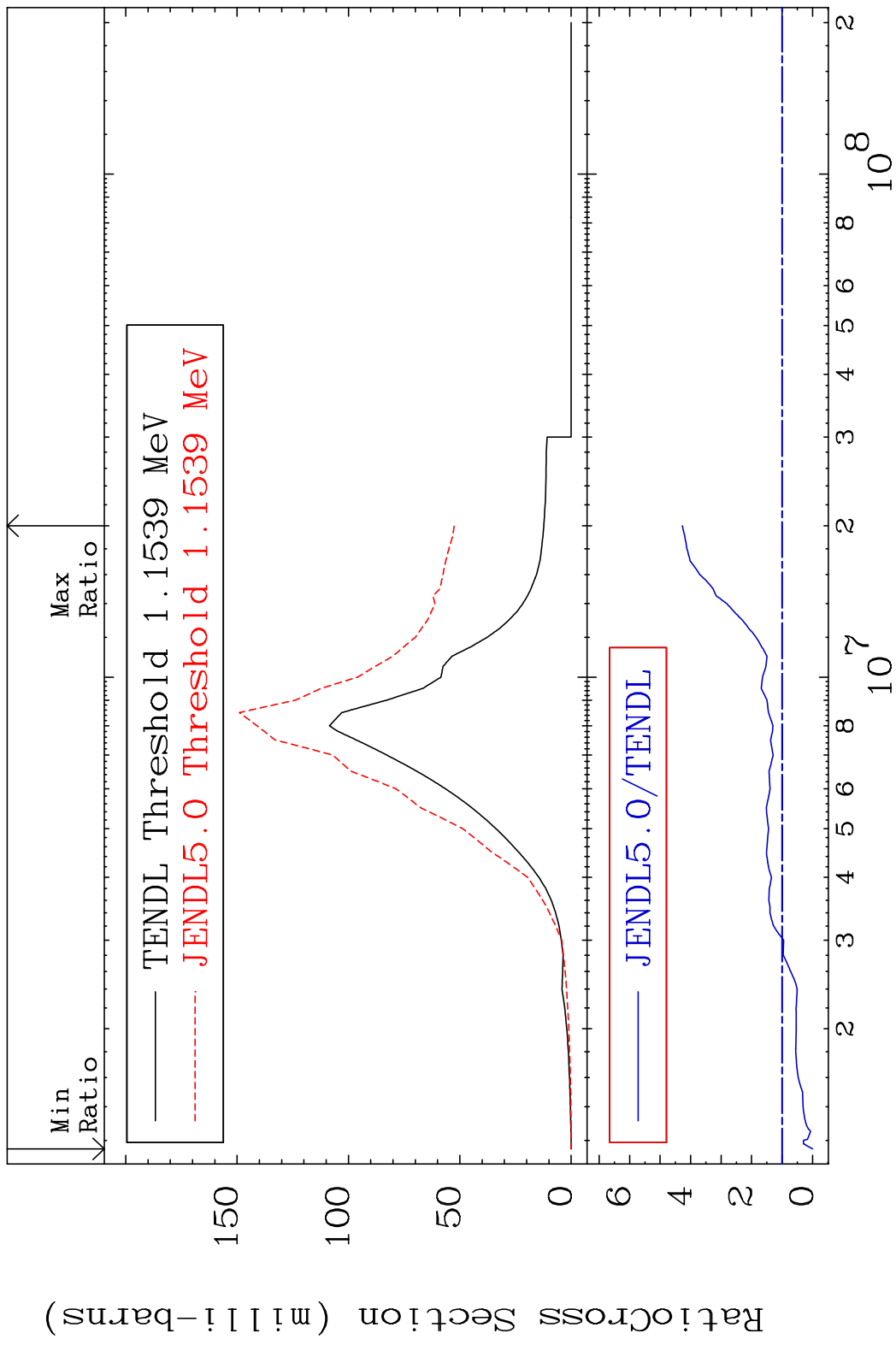
Incident Energy (eV)

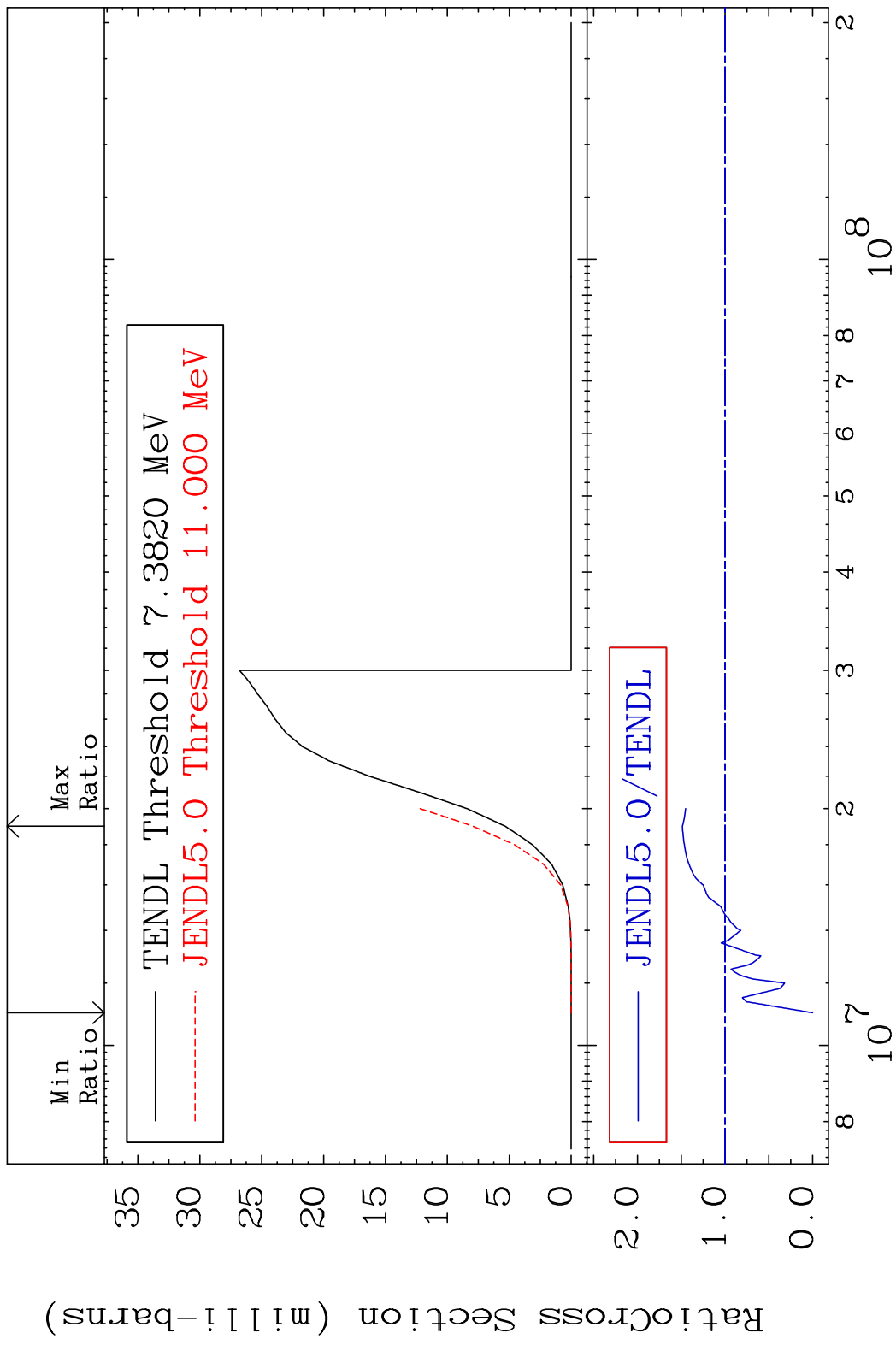
72-Hf-178

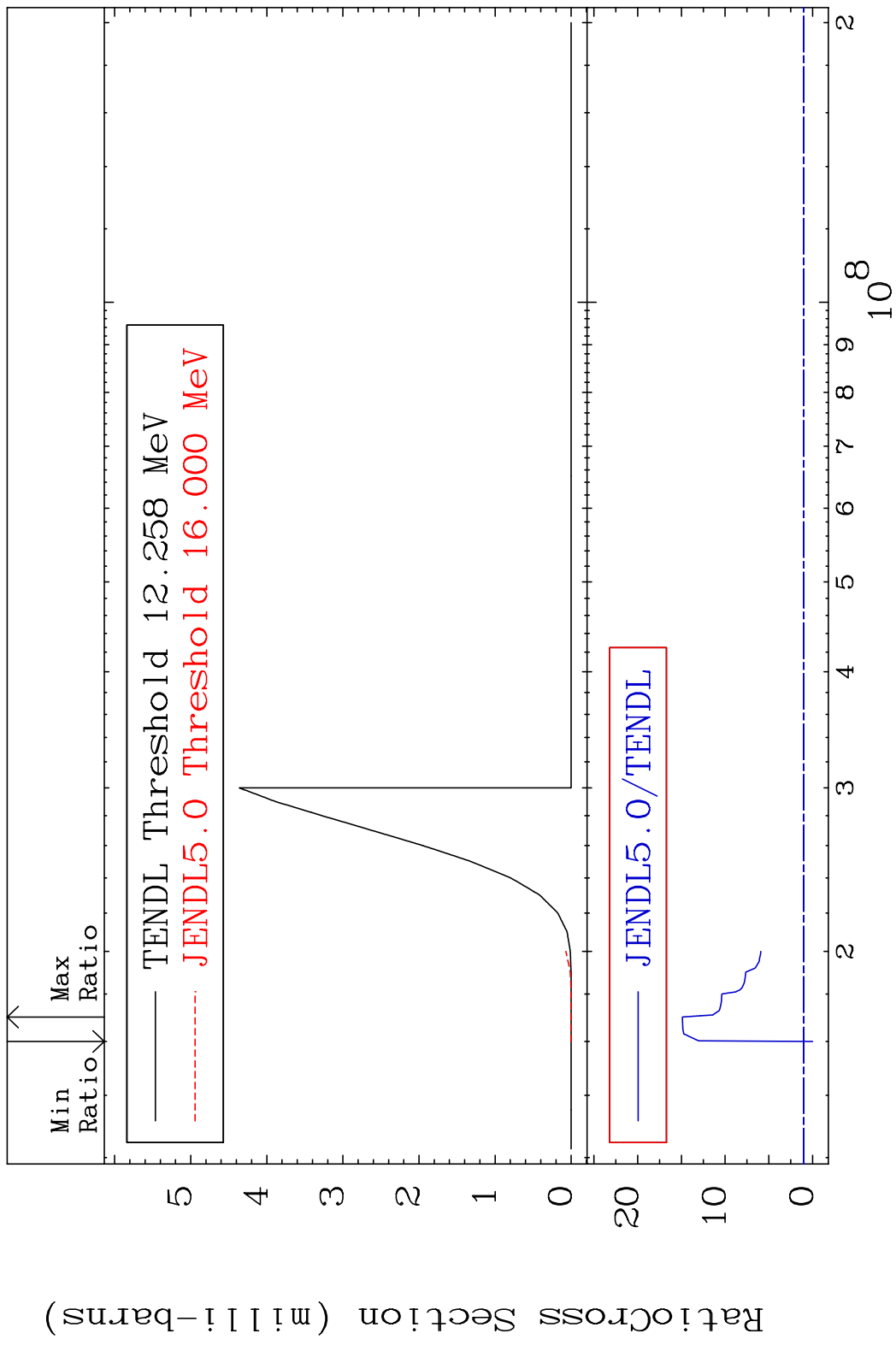
MAT 7237 Dpa disappearance (mt102 -120) 72-Hf-178  
Cross Section -97.82 To 9999. %

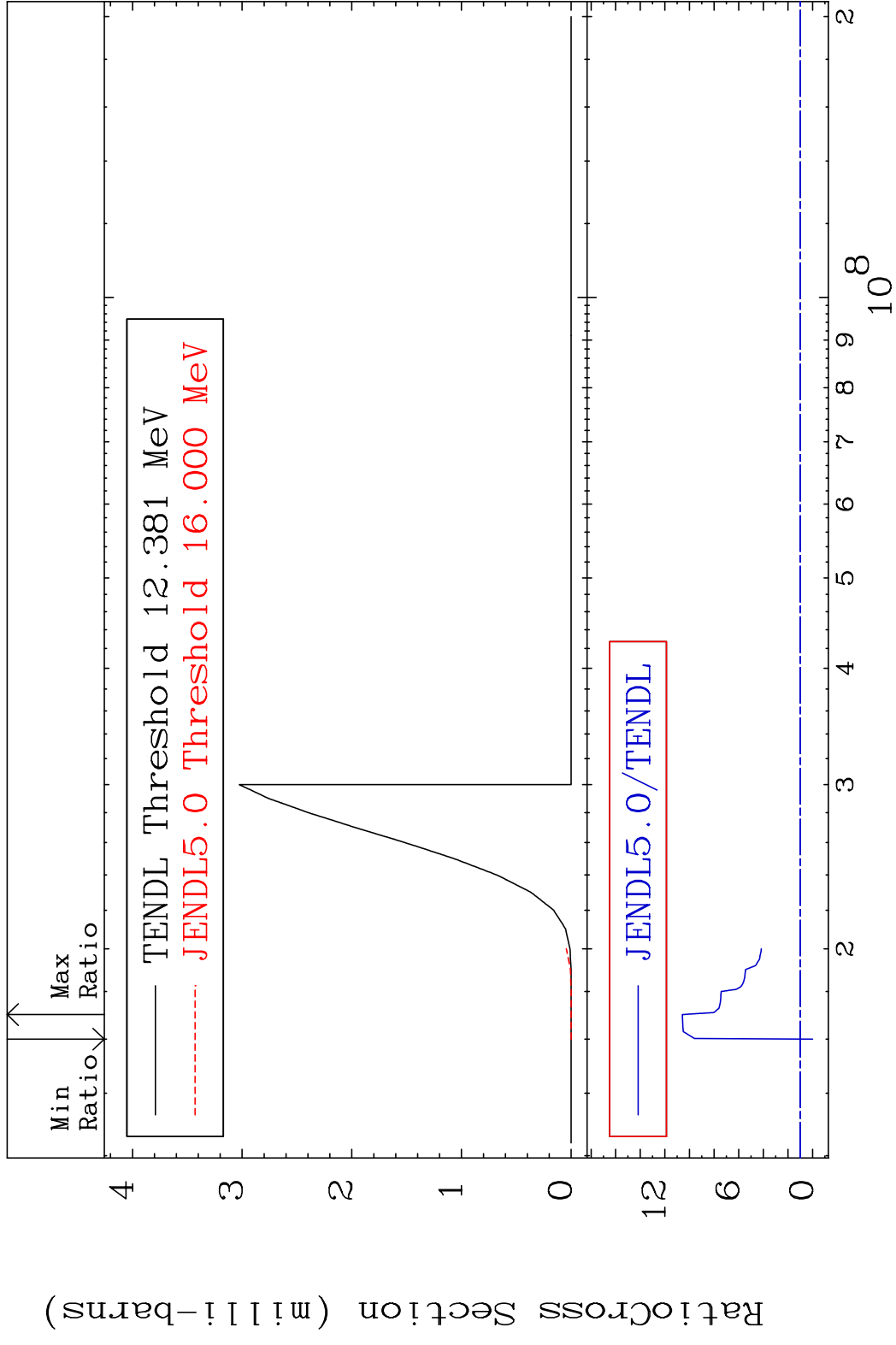


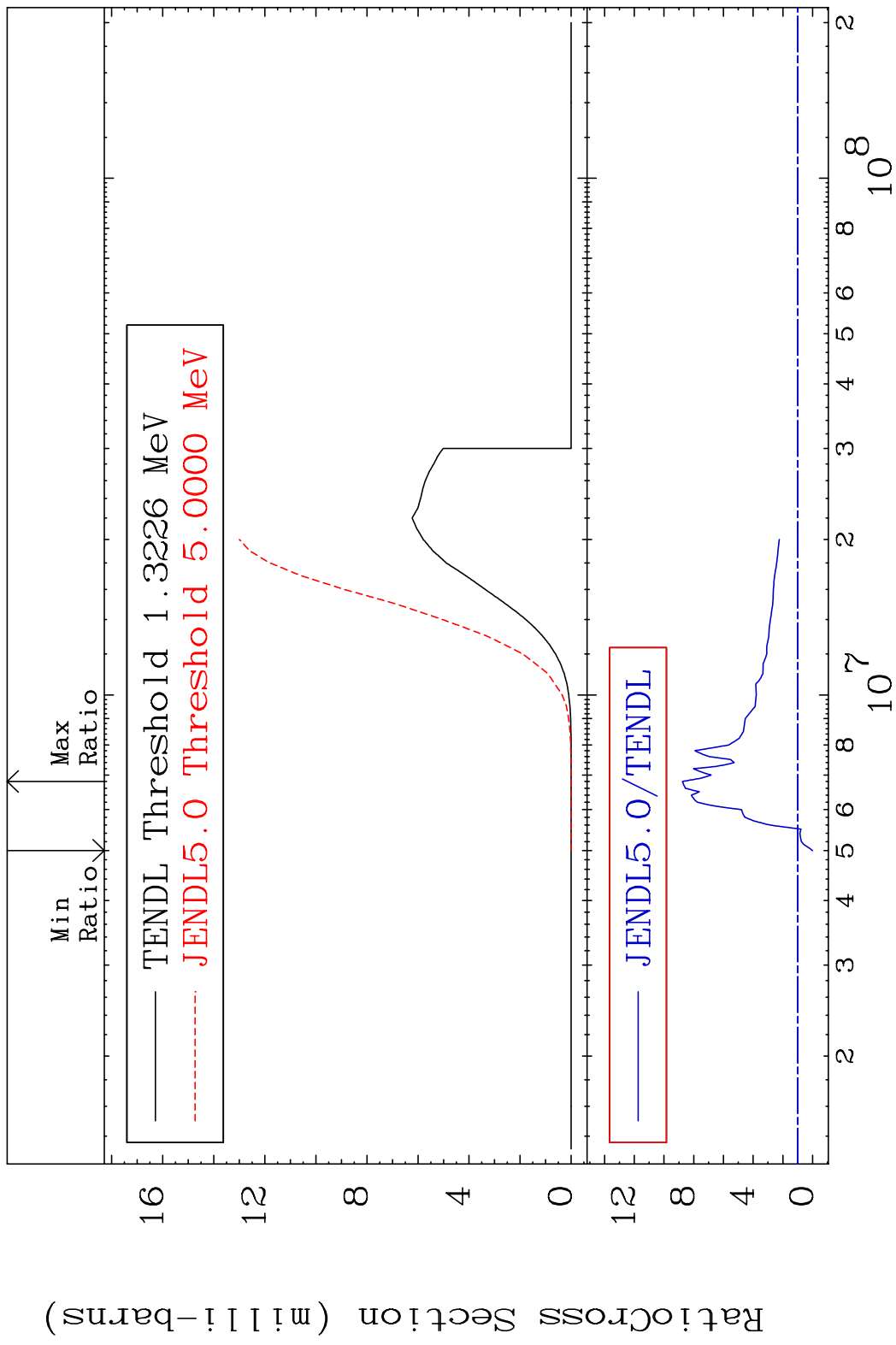
60 Incident Energy (eV) 72-Hf-178

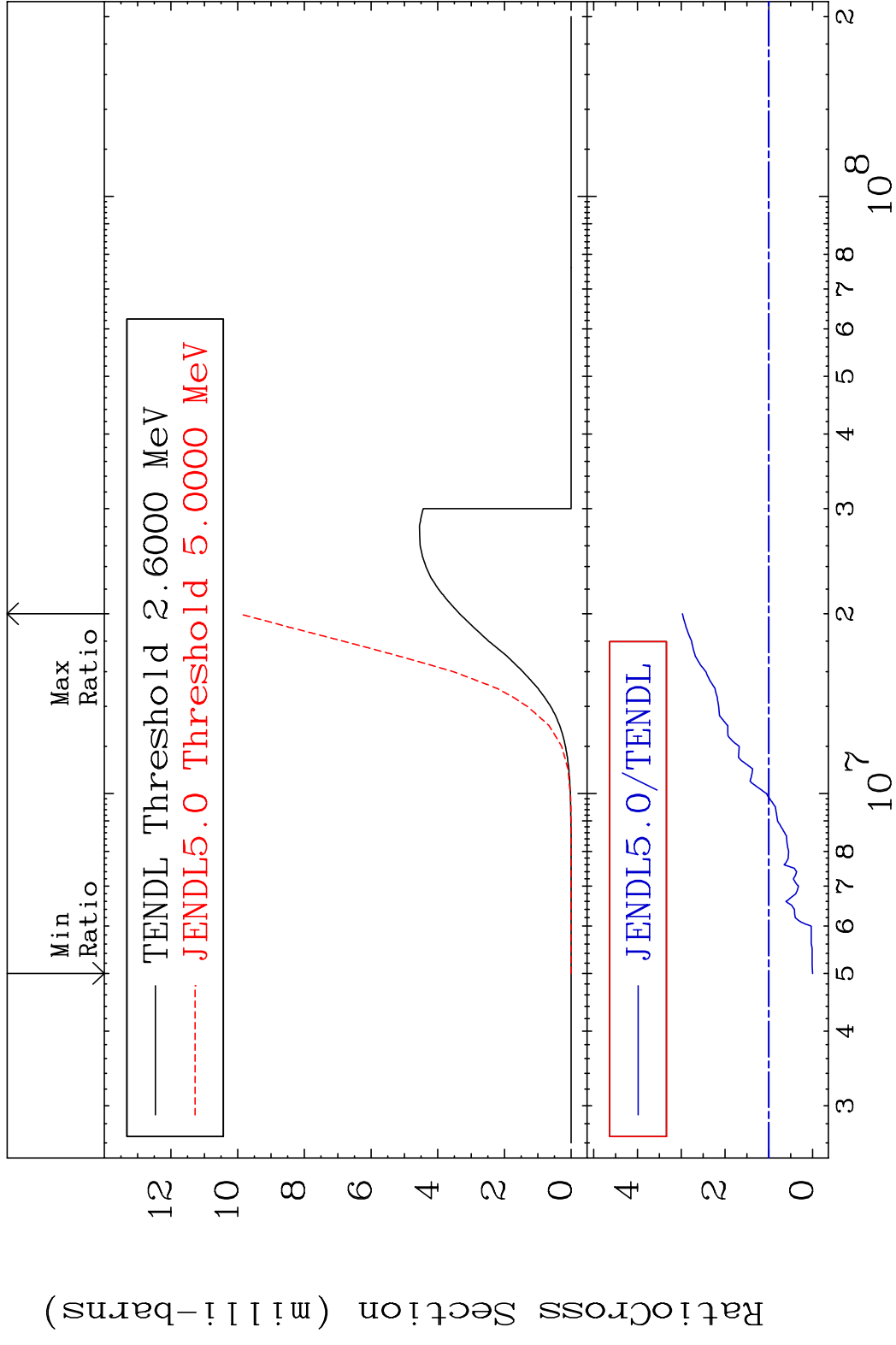


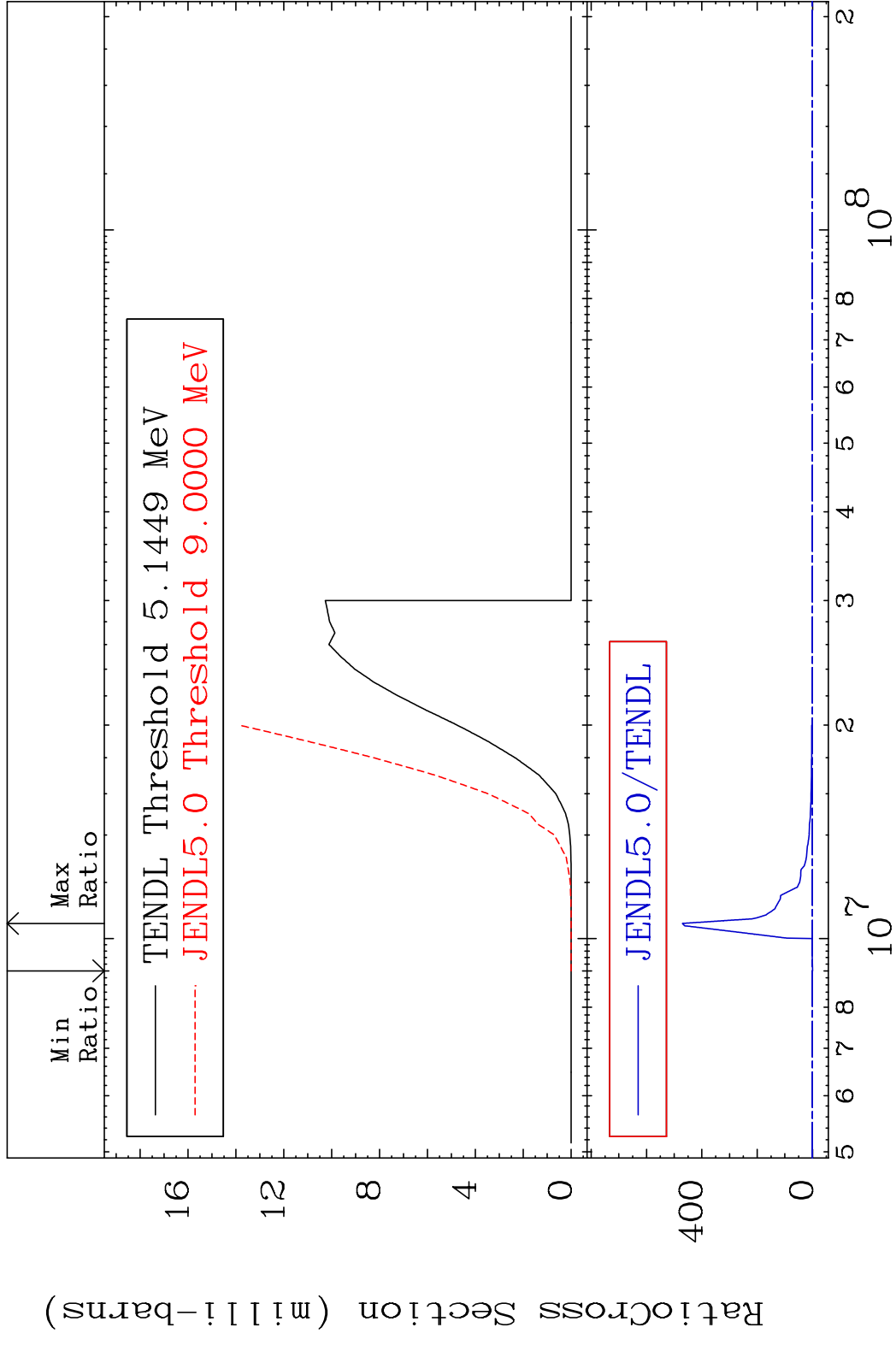


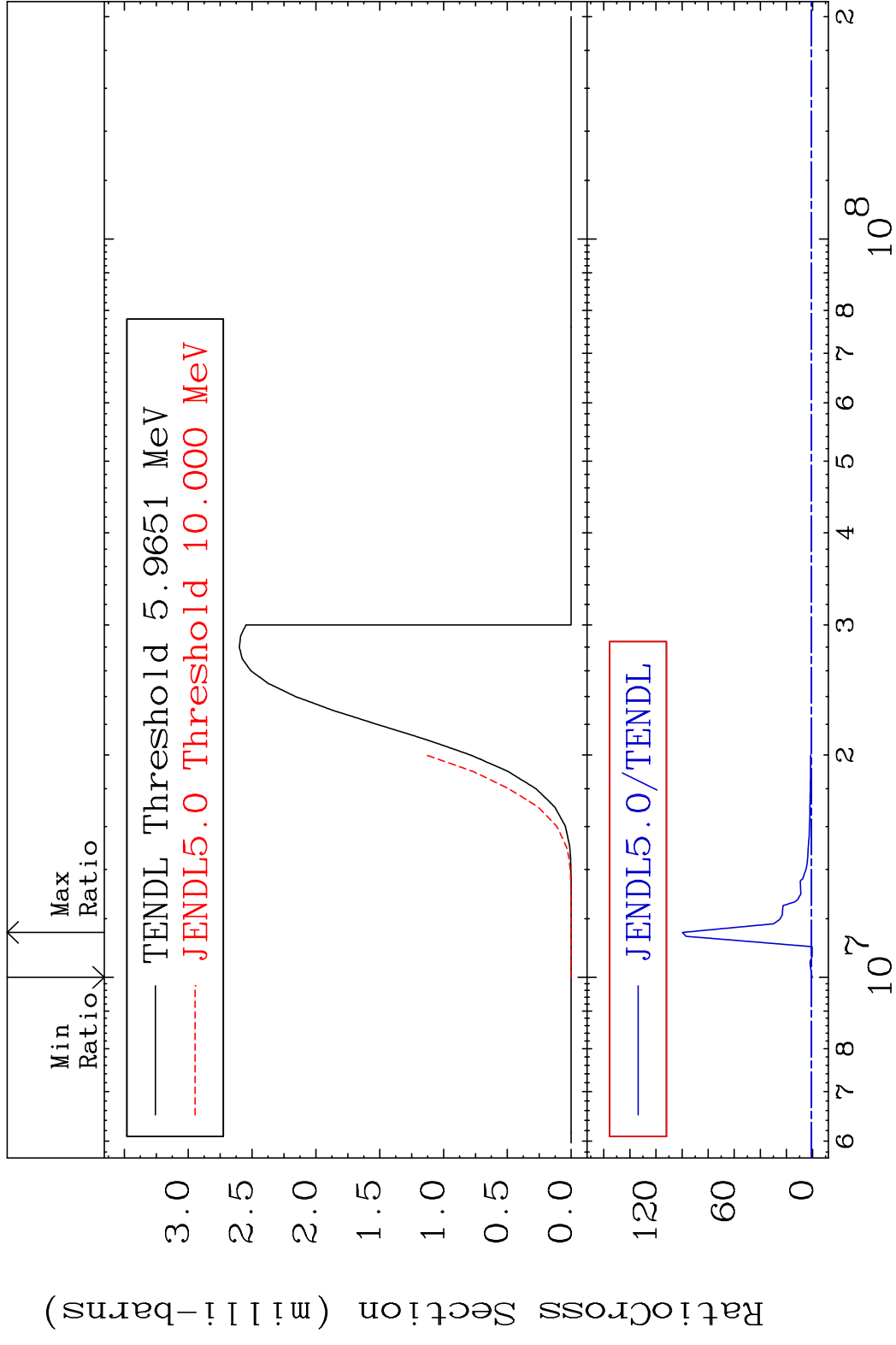




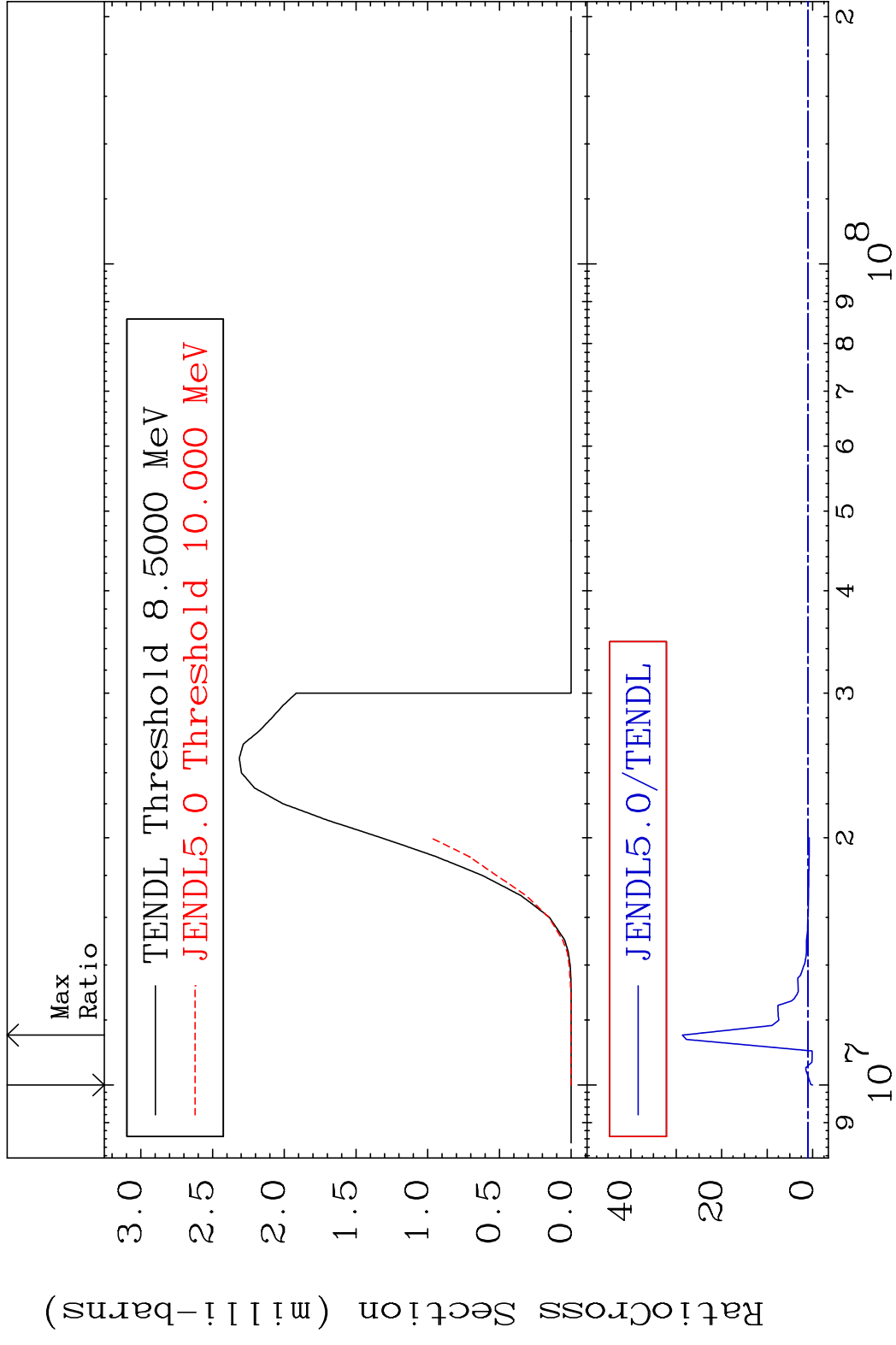




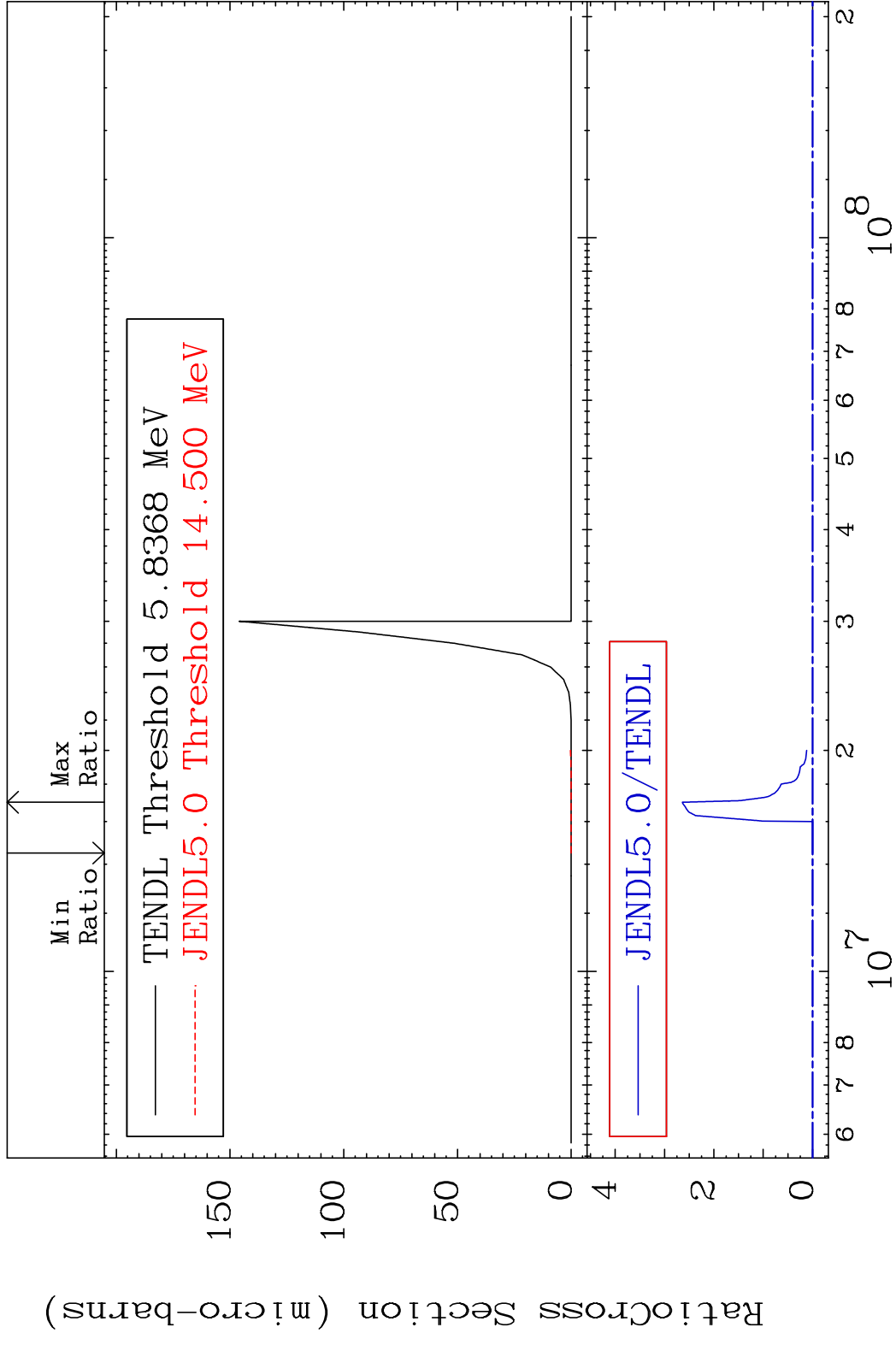




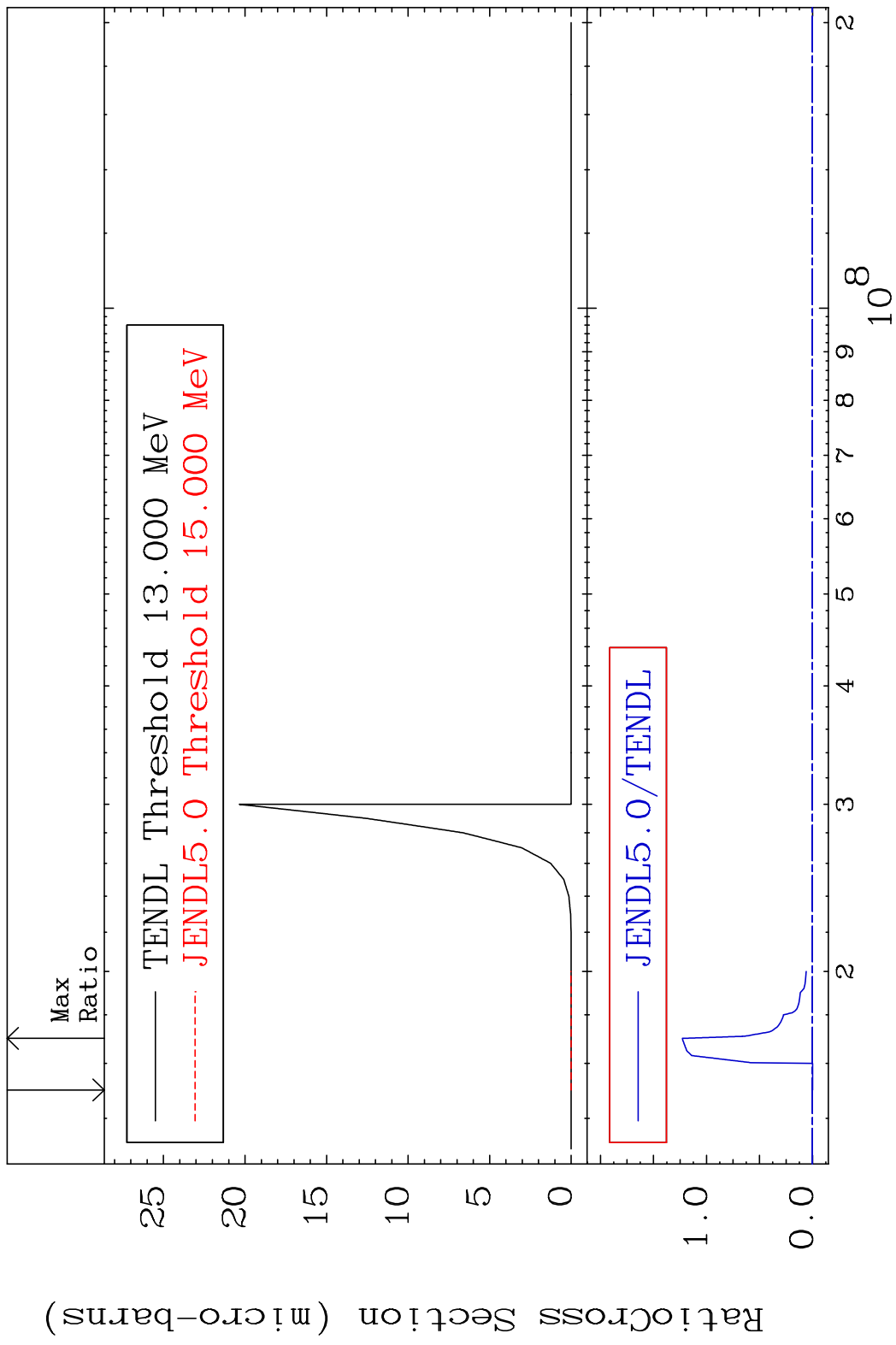
MAT 7237 (n, t):71-Lu-176m1 72-Hf-178  
 Radionuclide Production Cross Section 180.01 dth 2766. %

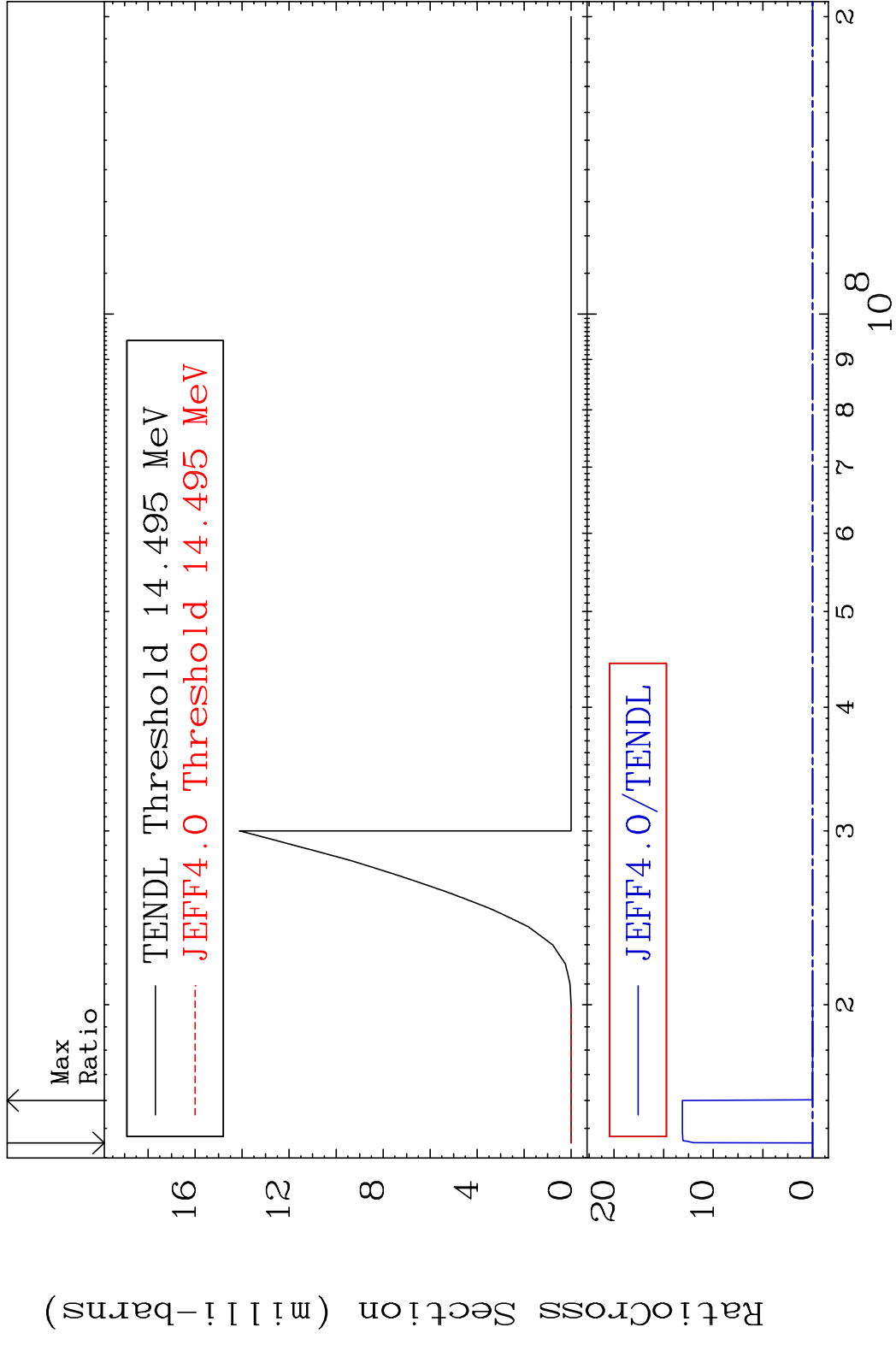


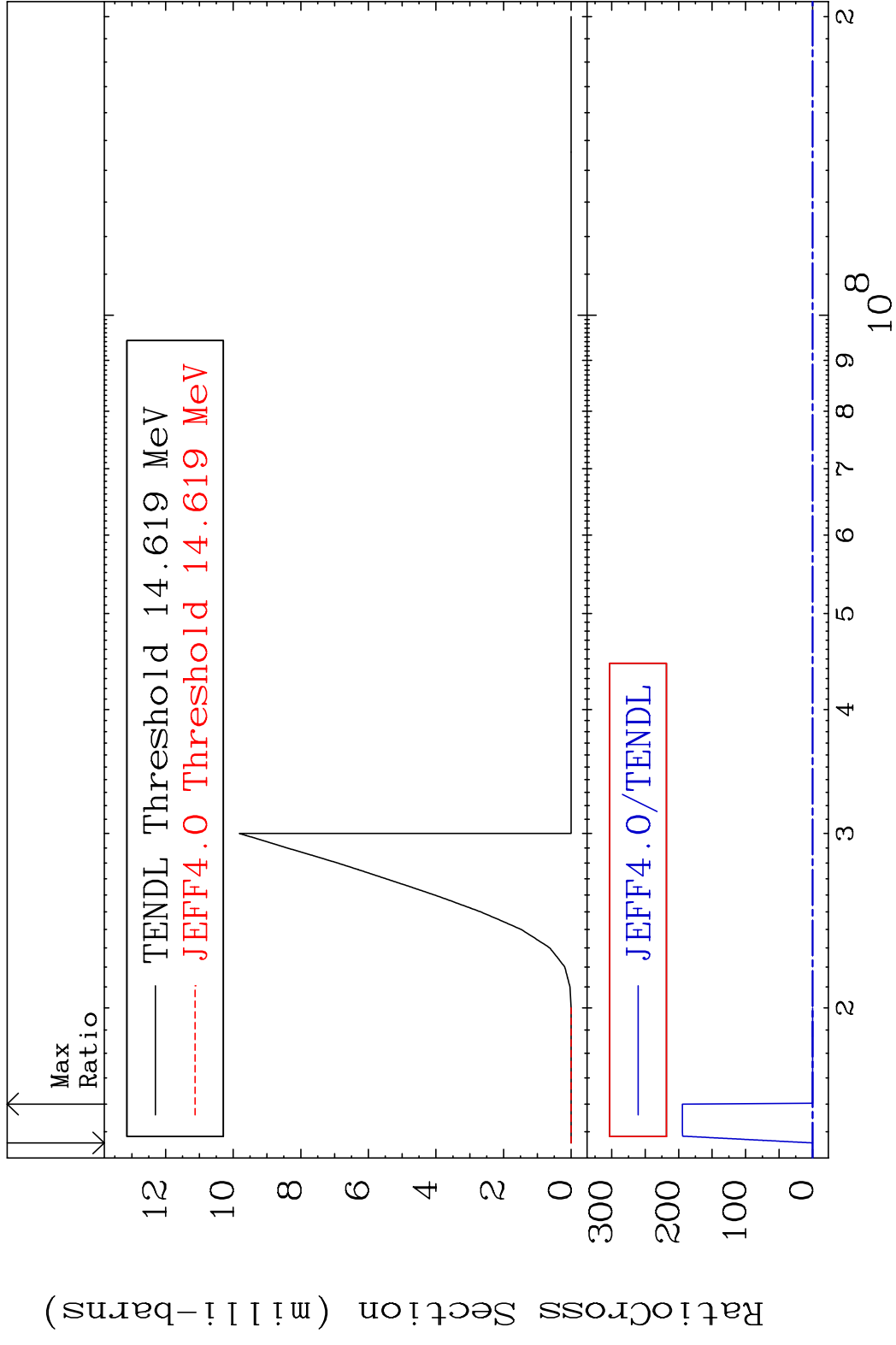
MAT 7237 (n, He-3) : 70-Yb-176g 72-Hf-178  
 Radionuclide Production Cross Section Ratio 9999. %

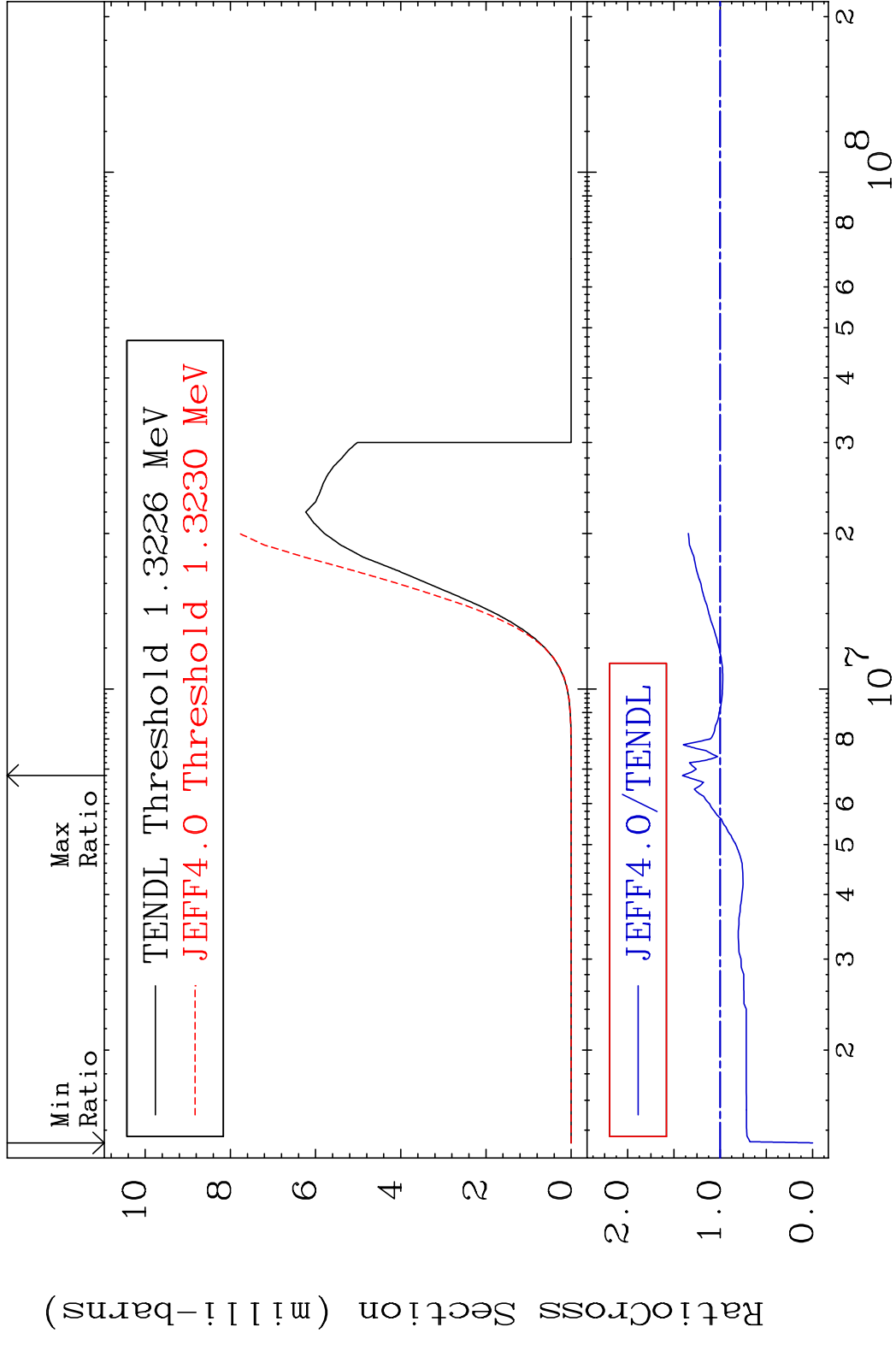


70 Incident Energy (eV) 72-Hf-178

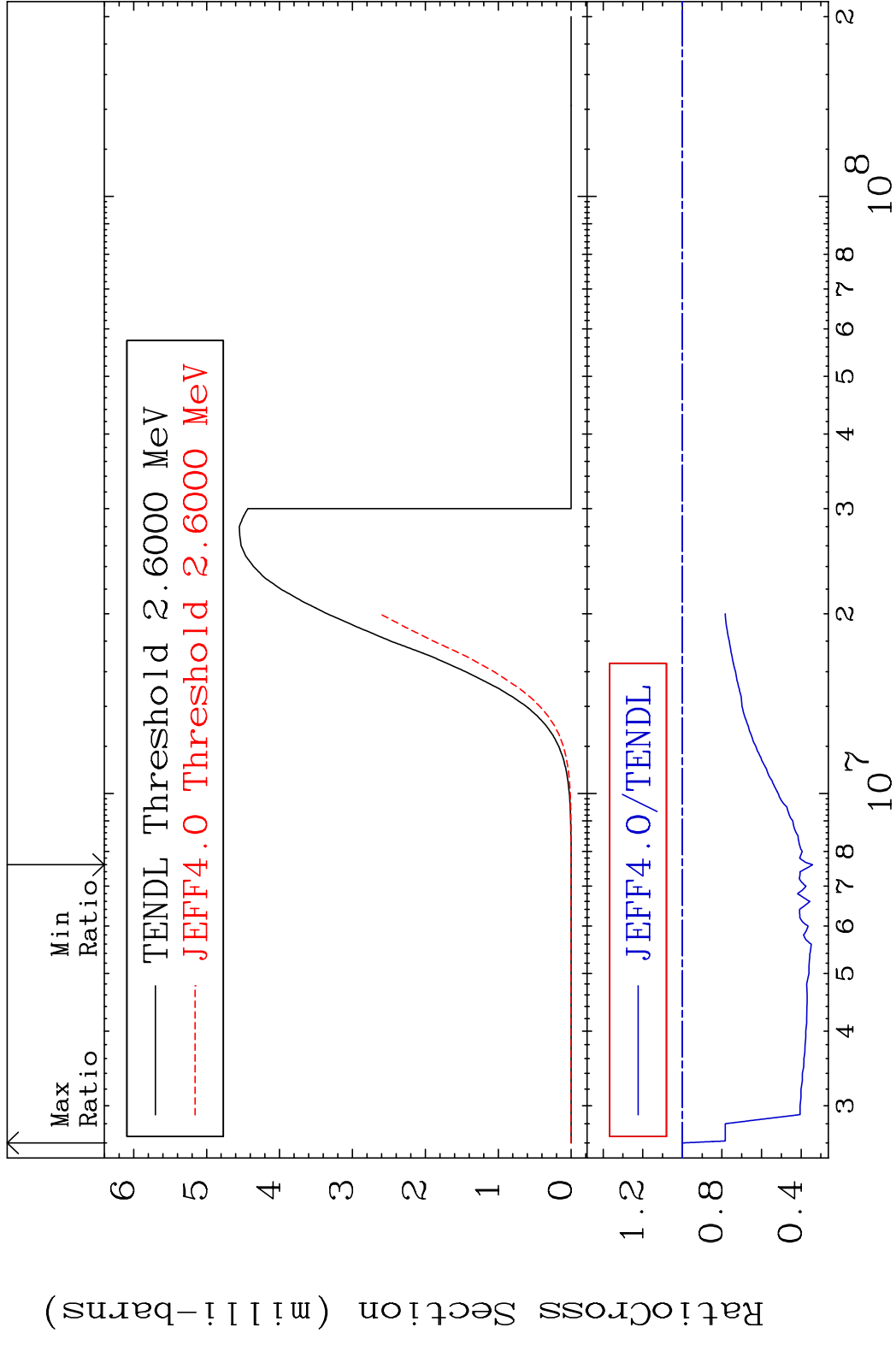






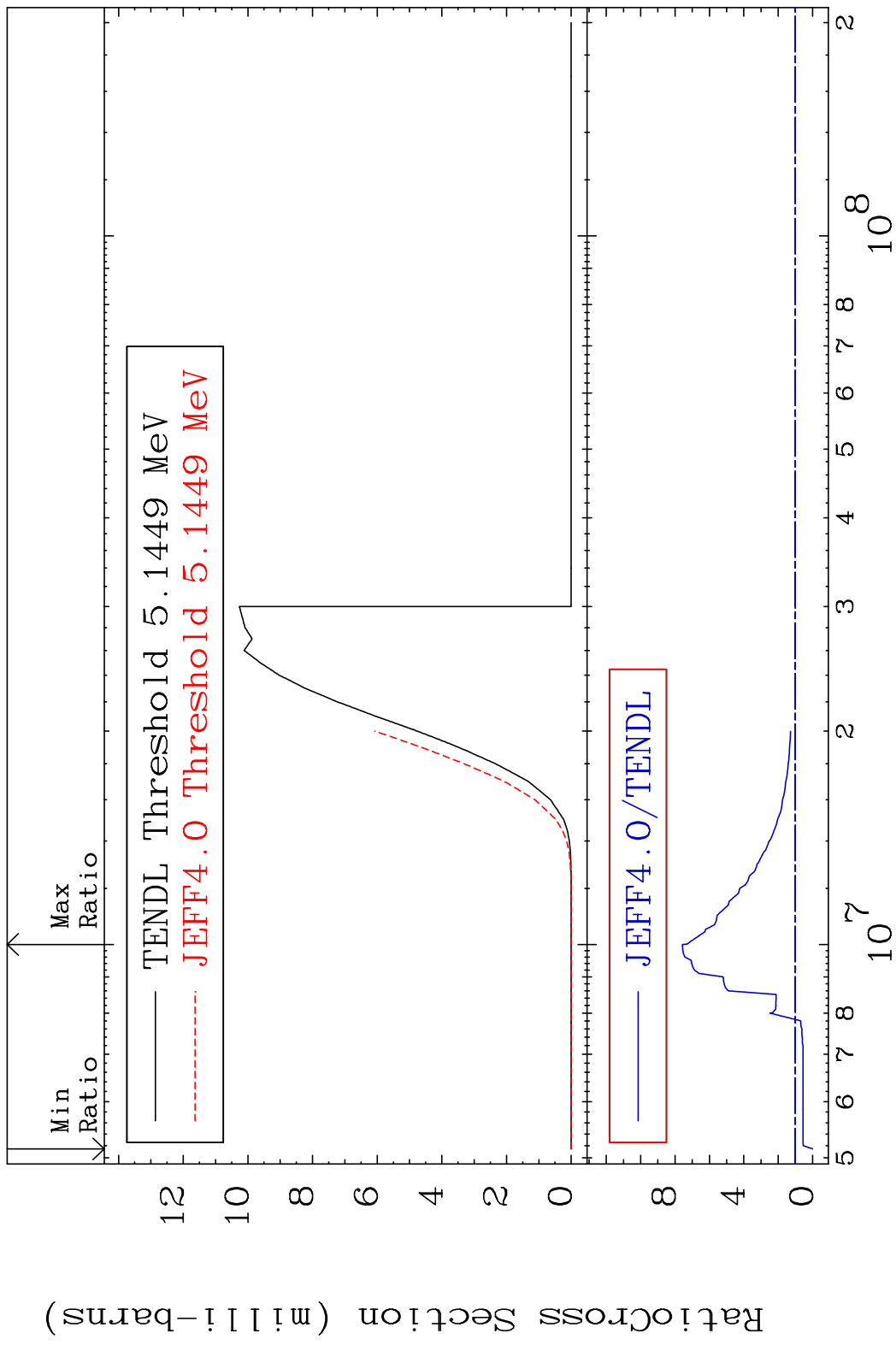


MAT 7237 (n, p): 71-Lu-178m3 72-Hf-178  
 Radionuclide Production Cross Section 0.000 %

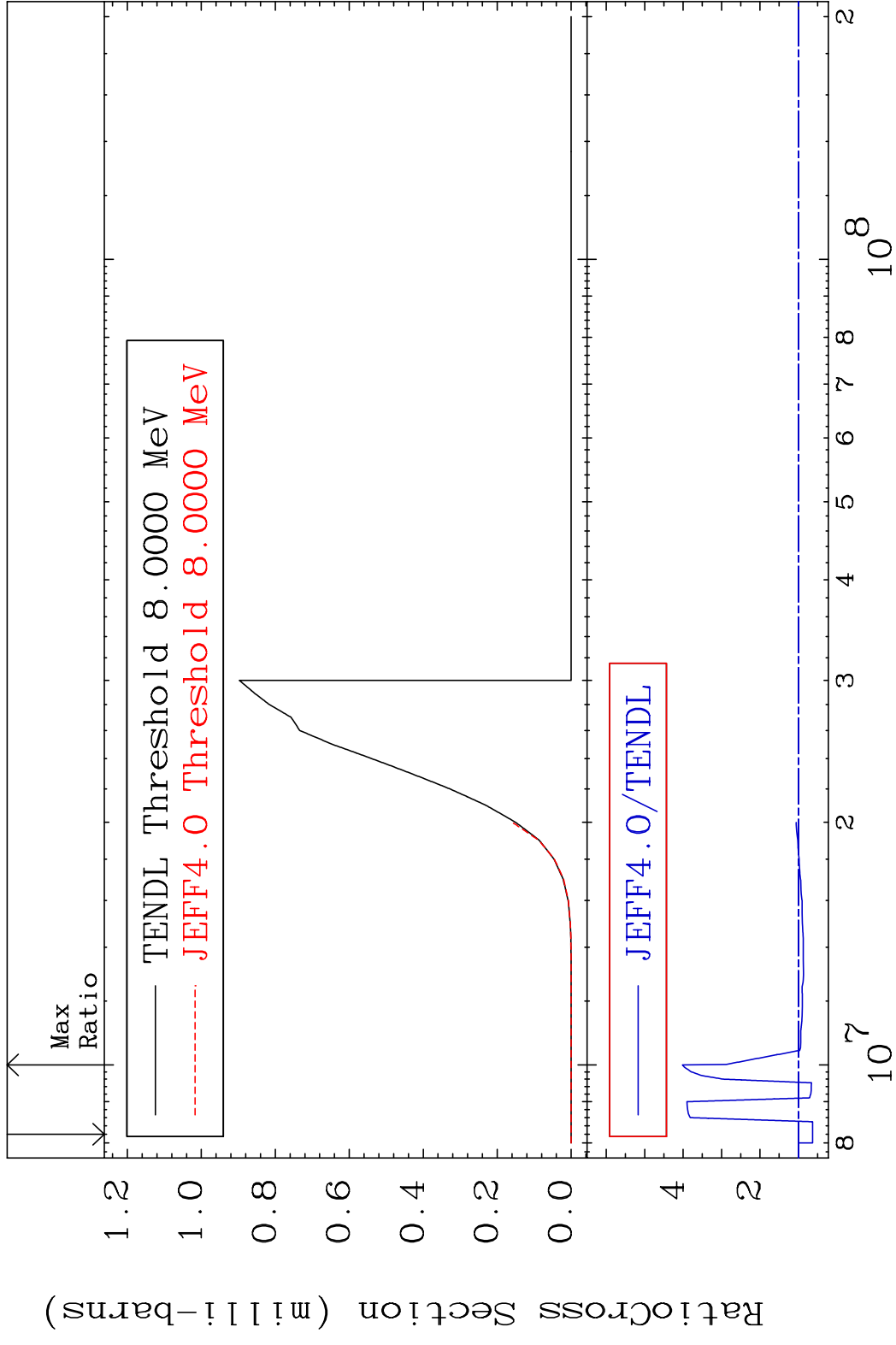


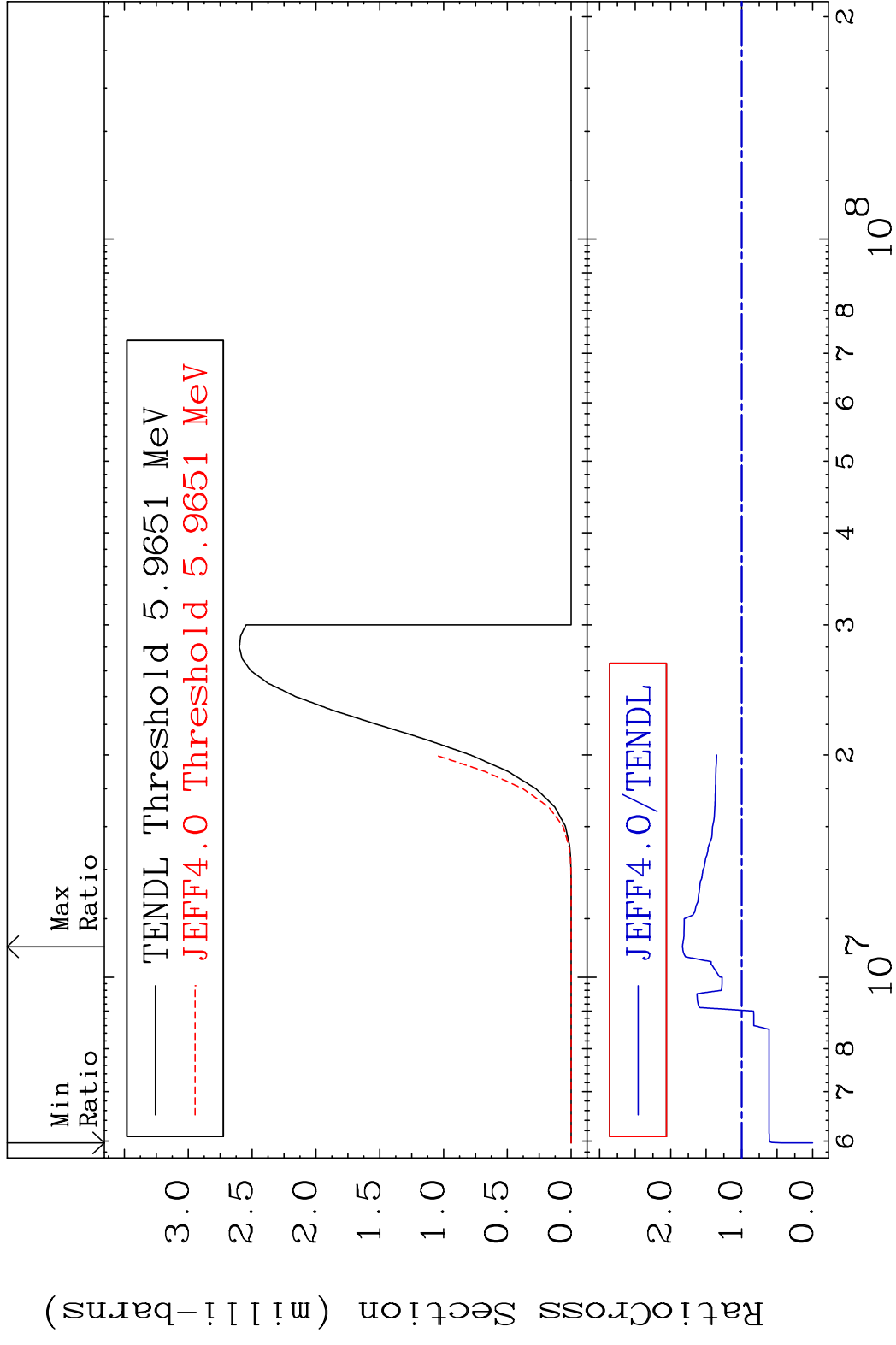
75 Incident Energy (eV) 72-Hf-178

MAT 7237 (n, d): 71-Lu-177g 72-Hf-178  
 Radionuclide Production Cross Section Ratio 657.4 %

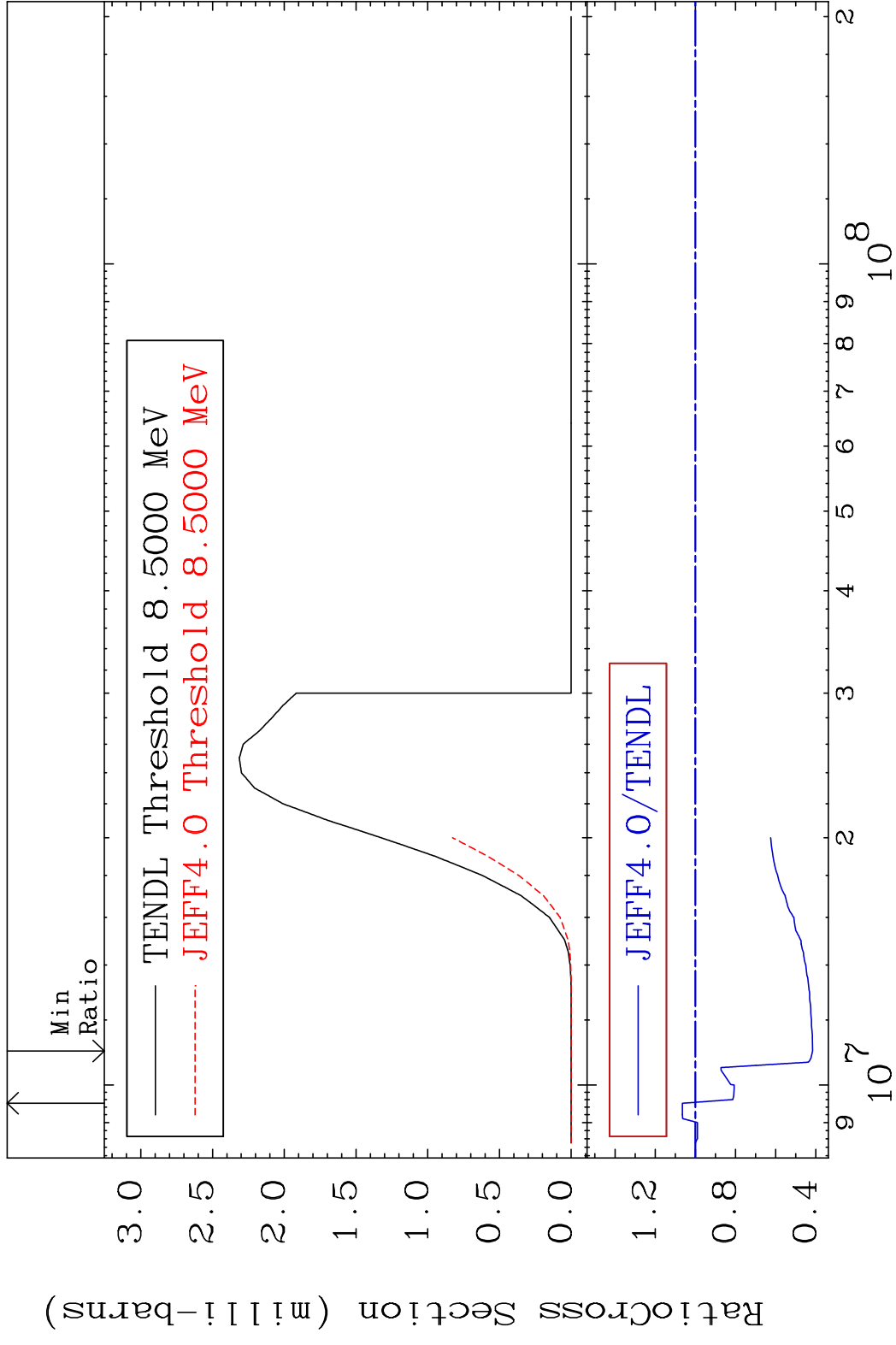


76 Incident Energy (eV) 72-Hf-178



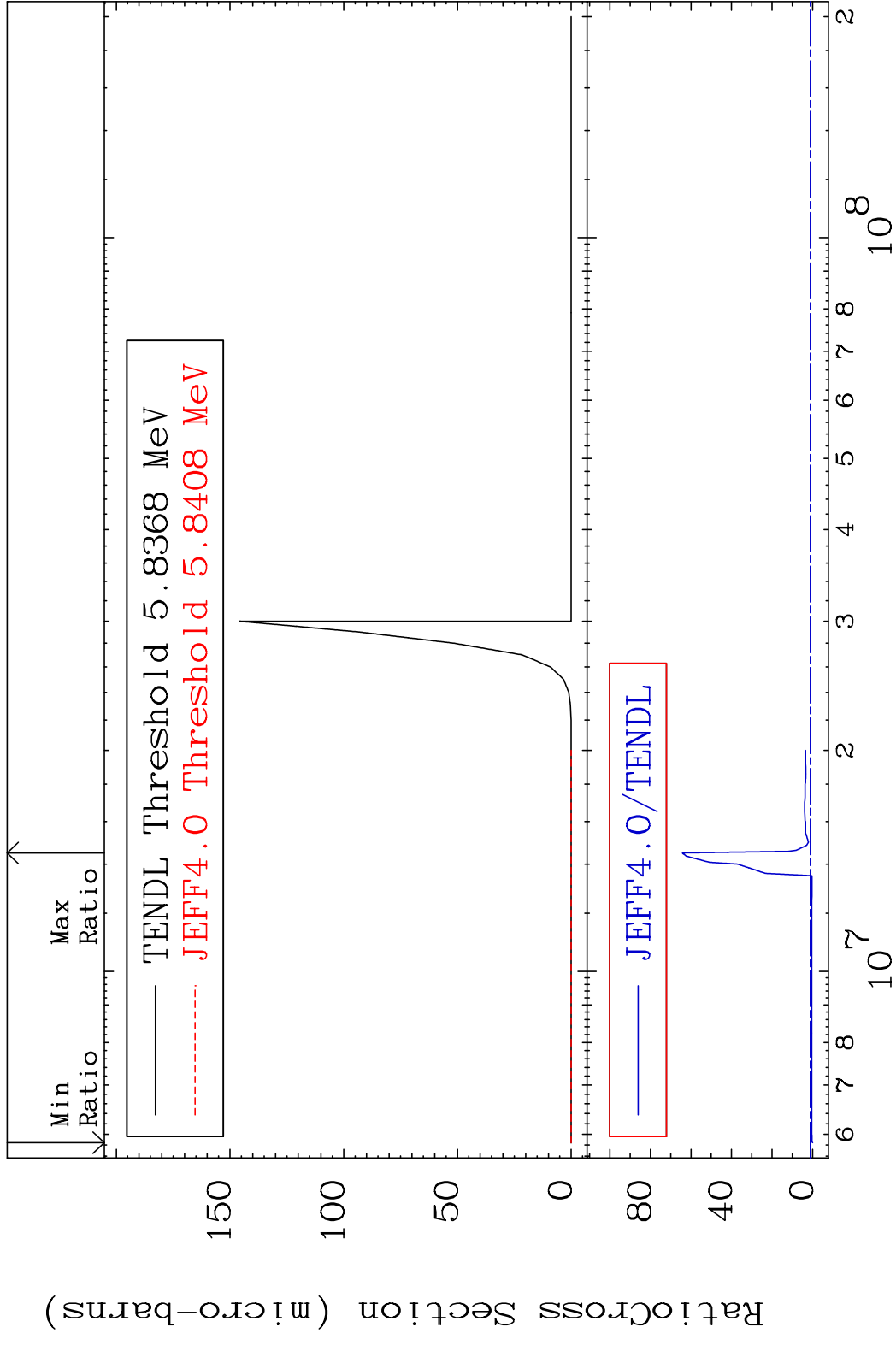


MAT 7237 (n, t):71-Lu-176m1 72-Hf-178  
 Radionuclide Production Cross Section 6.465 %



79 Incident Energy (eV) 72-Hf-178

MAT 7237 (n, He-3): 70-Yb-176g 72-Hf-178  
 Radionuclide Production Cross Section Ratio 6324. %



80 72-Hf-178

