

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

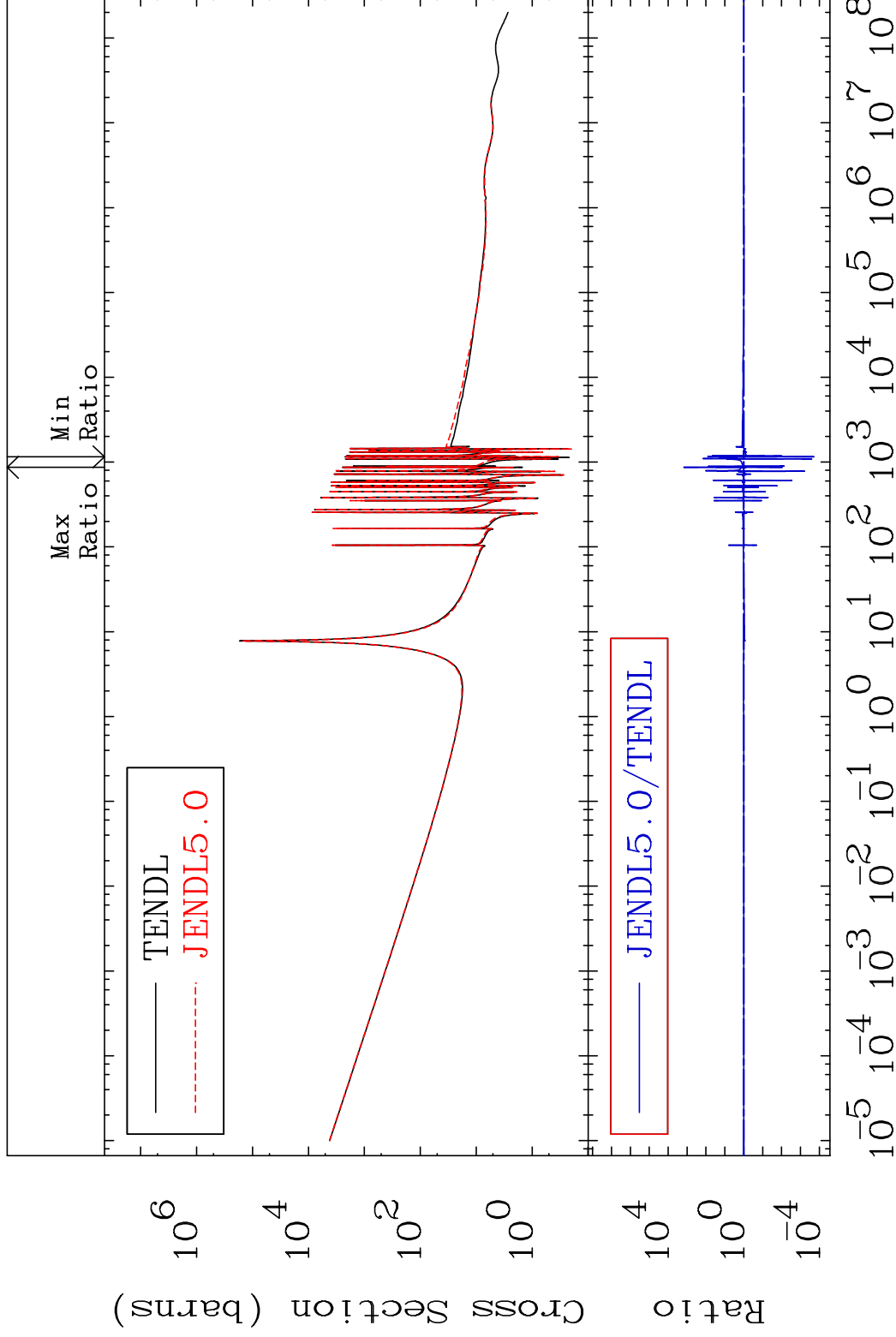
MAT 7237

Total

72-Hf-178

Cross Section

-99.98 To 9999. %



1

Incident Energy (eV)

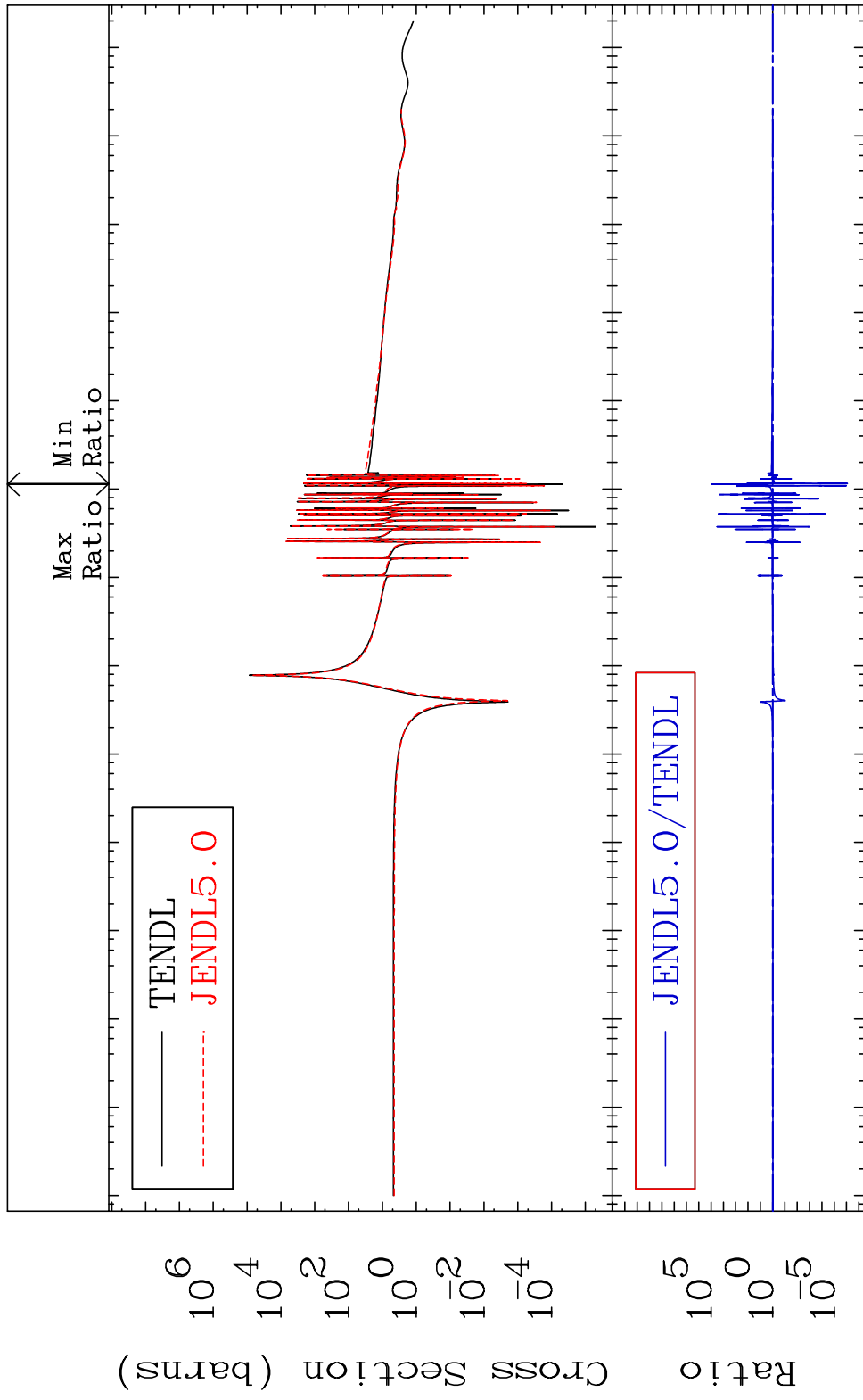
72-Hf-178

MAT 7237

Elastic

72-Hf-178

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

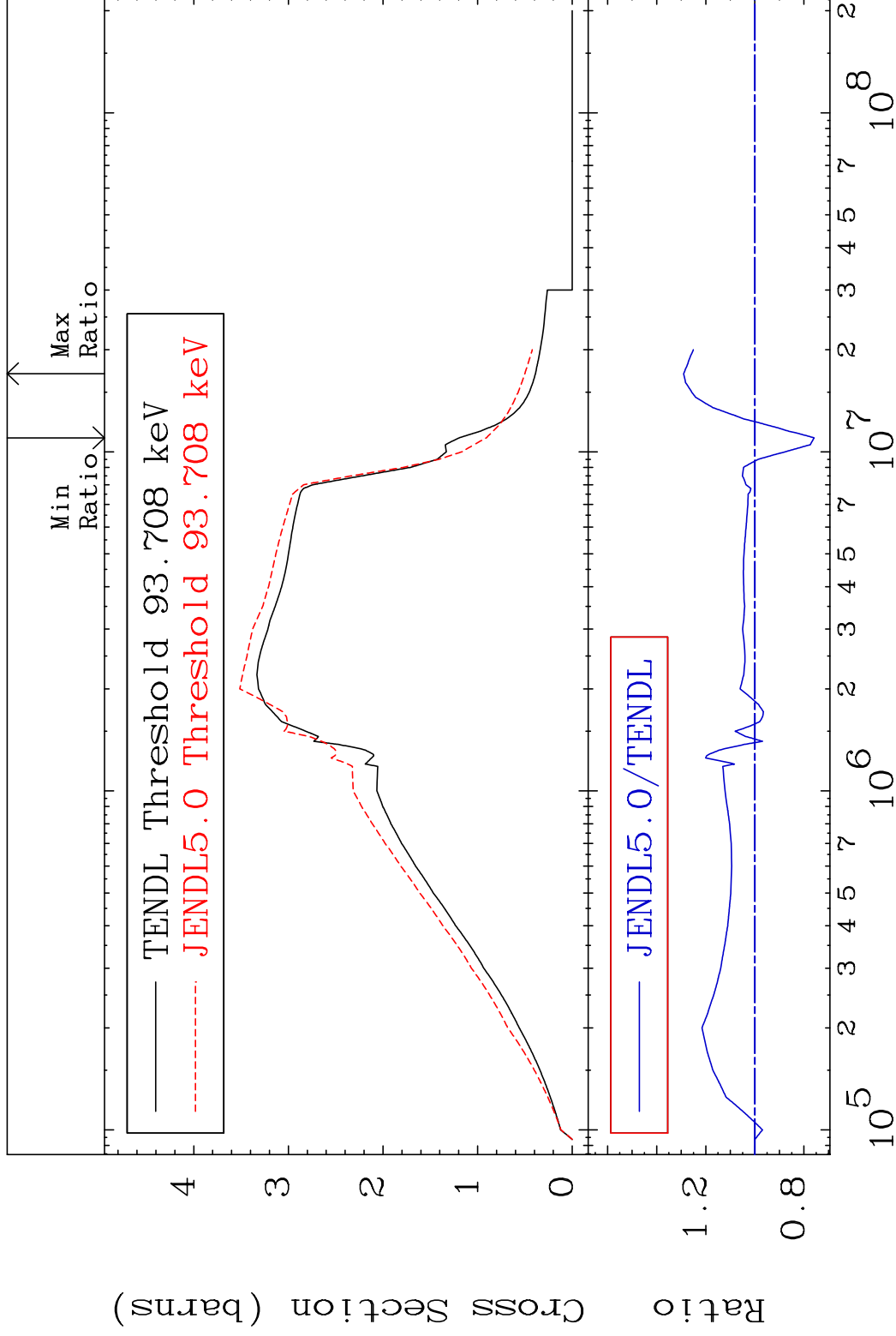
72-Hf-178

MAT 7237

Inelastic

72-Hf-178

Cross Section -24.13 To 29.00 %



3

Incident Energy (eV)

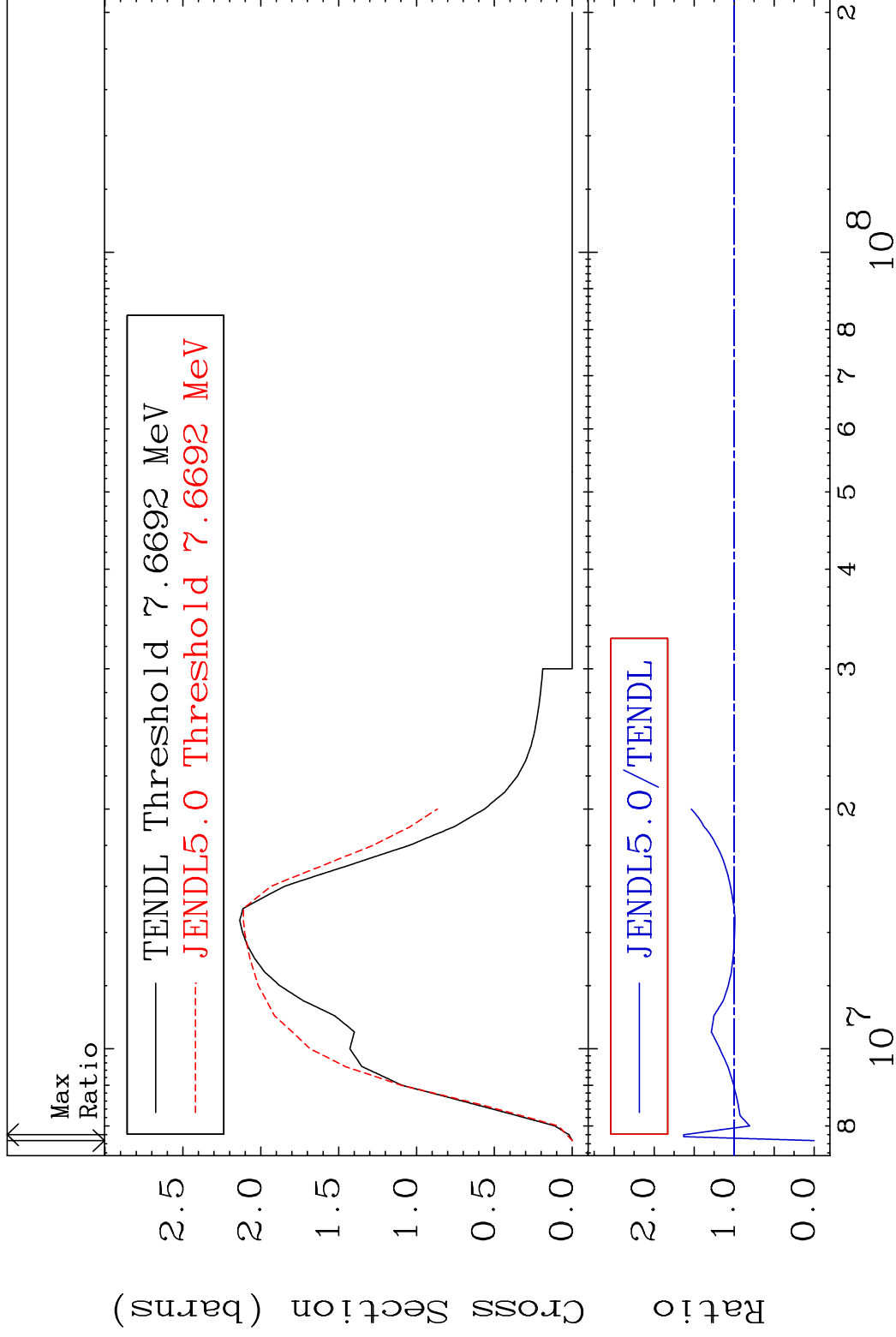
72-Hf-178

MAT 7237

(n,2n)

72-Hf-178

Cross Section -100.0 To 63.08 %



4

Incident Energy (eV)

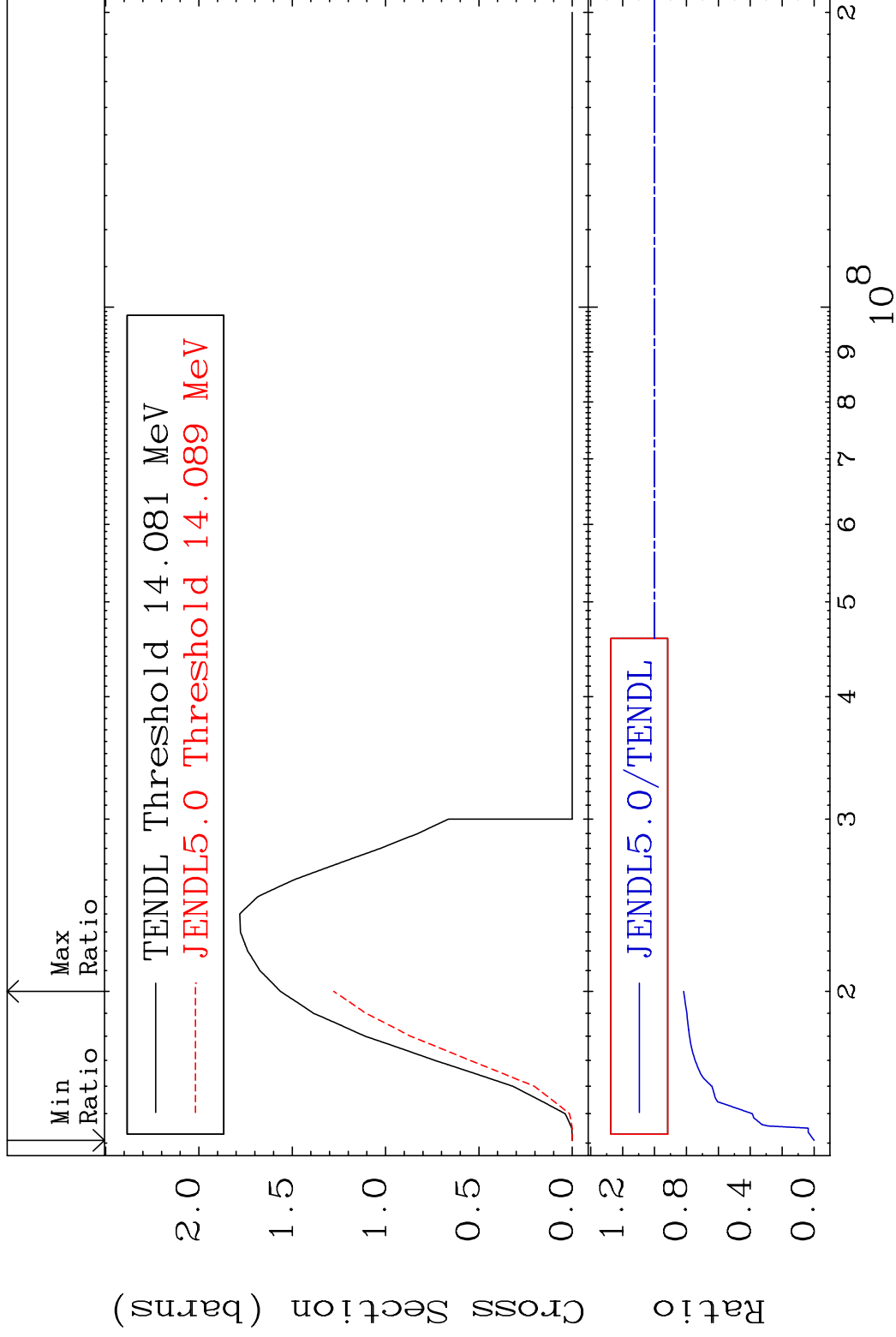
72-Hf-178

MAT 7237

(n,3n)

72-Hf-178

Cross Section -100.0 To -18.25%



5

Incident Energy (eV)

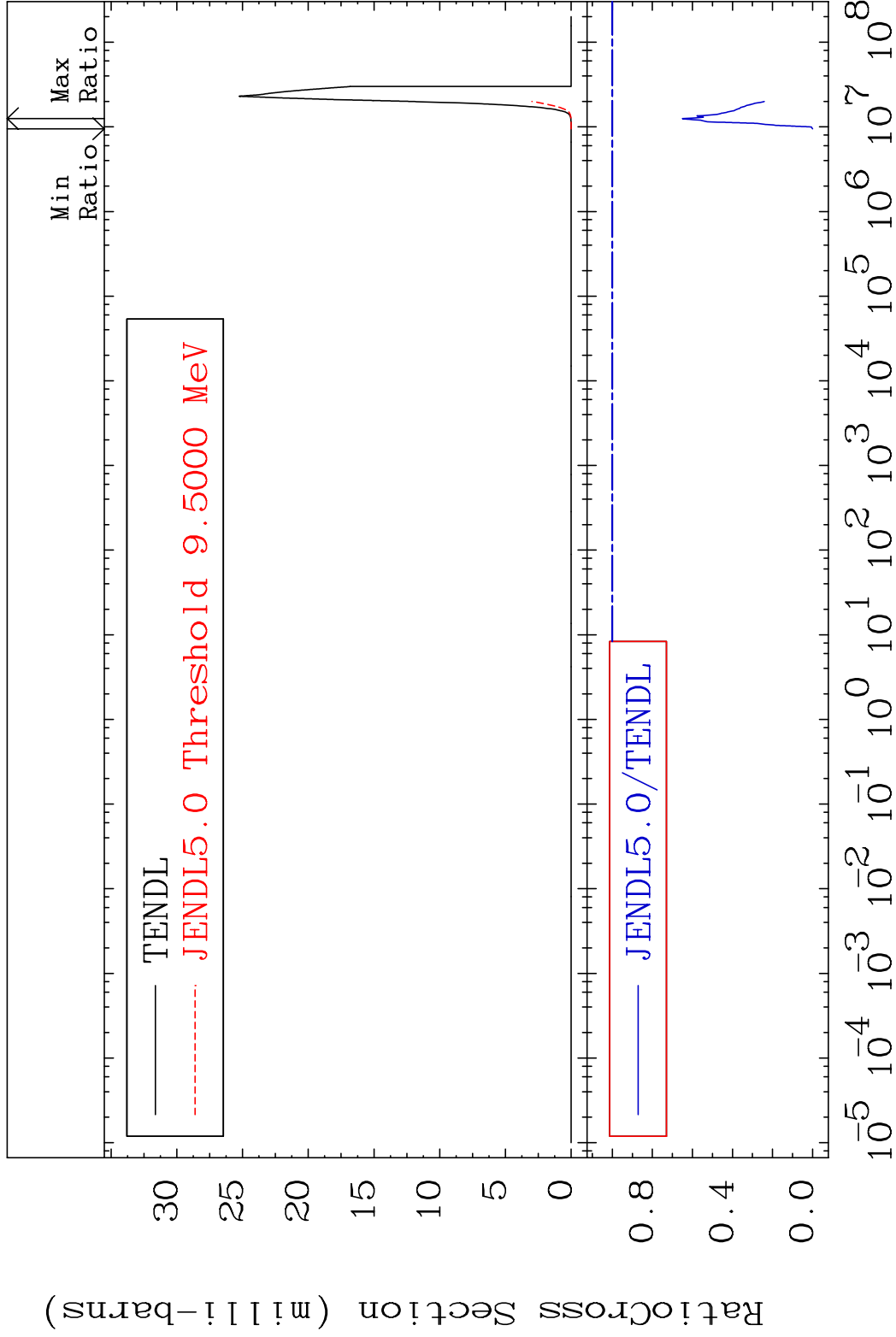
72-Hf-178

MAT 7237

(n, n')  $\alpha$

72-Hf-178

Cross Section -100.0 To -34.97%

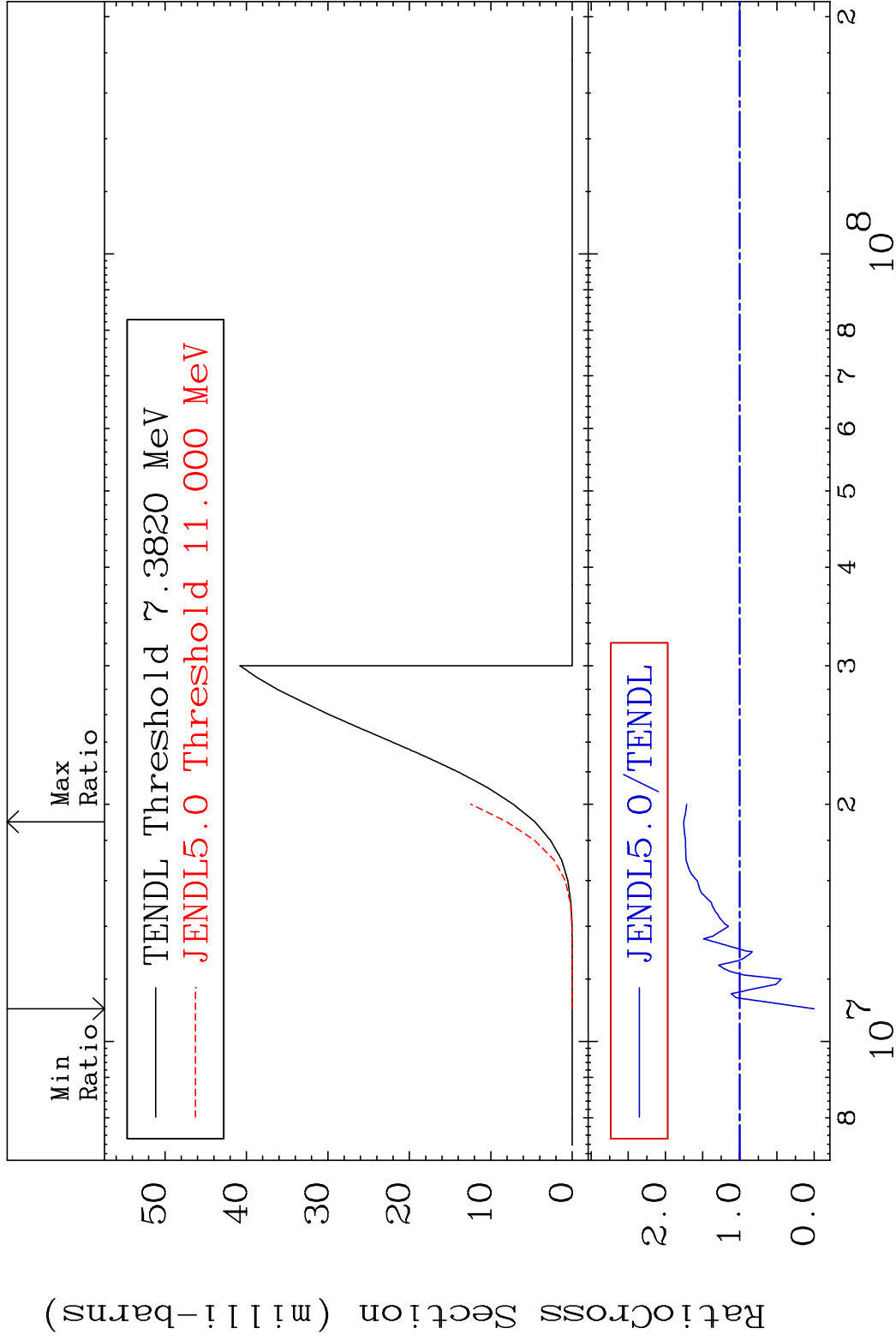


MAT 7237

(n, n') p

72-Hf-178

Cross Section -100.0 To 75.45 %



7

Incident Energy (eV)

72-Hf-178

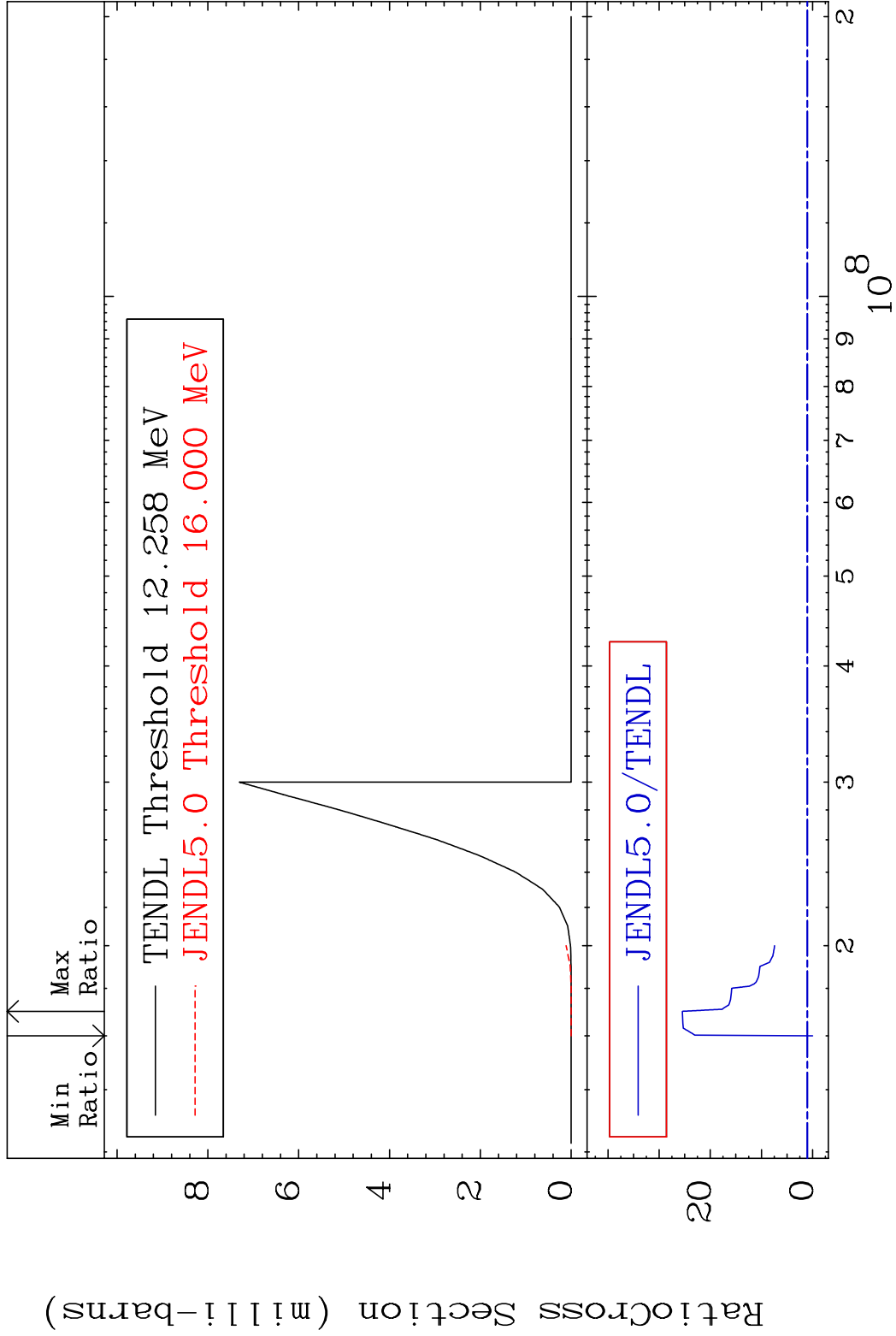


MAT 7237

(n, n') d

72-Hf-178

Cross Section -100.0 To 2446. %



8

Incident Energy (eV)

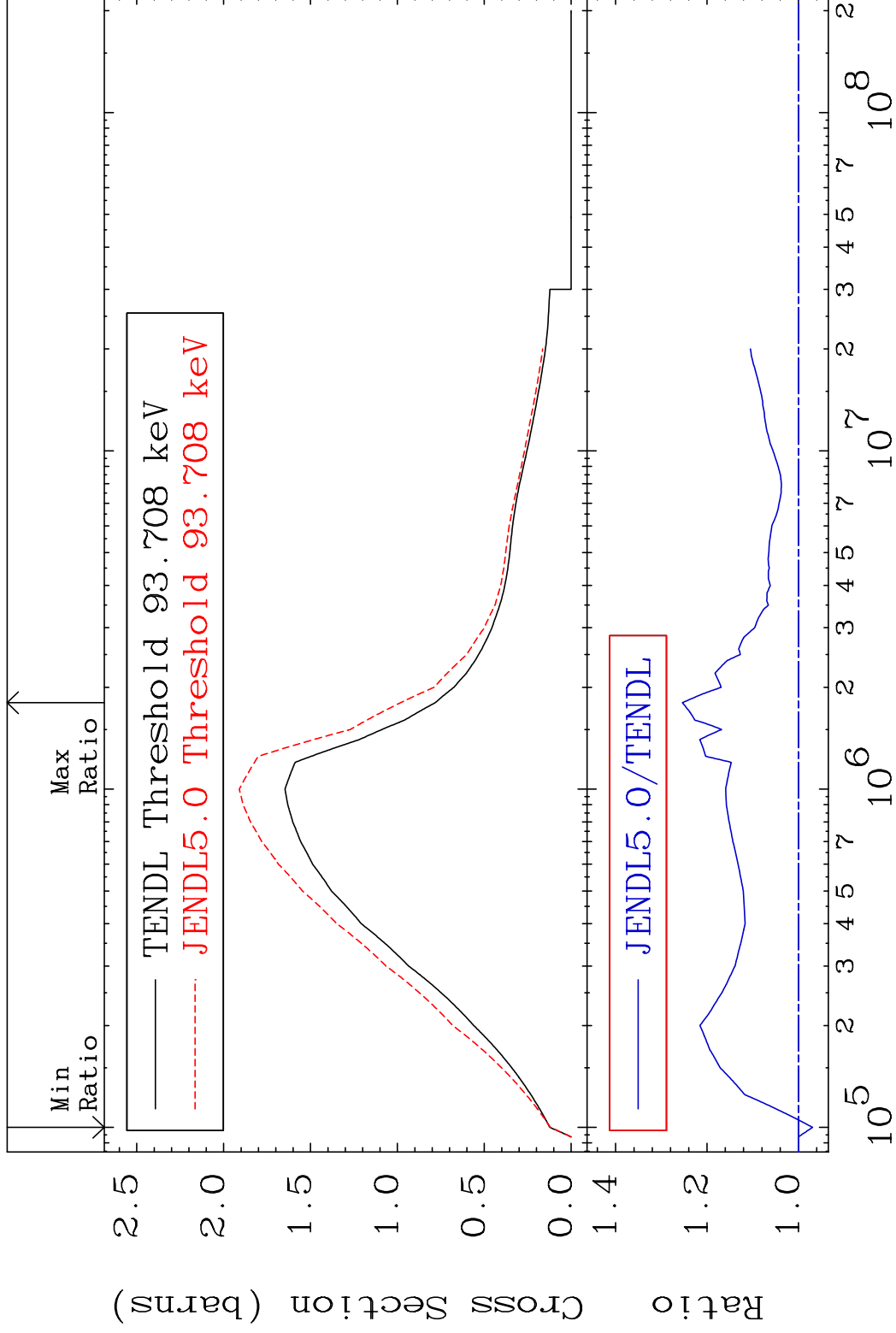
72-Hf-178

MAT 7237

MT= 51 (n,n') Level

72-Hf-178

Cross Section -3.094 To 25.40 %

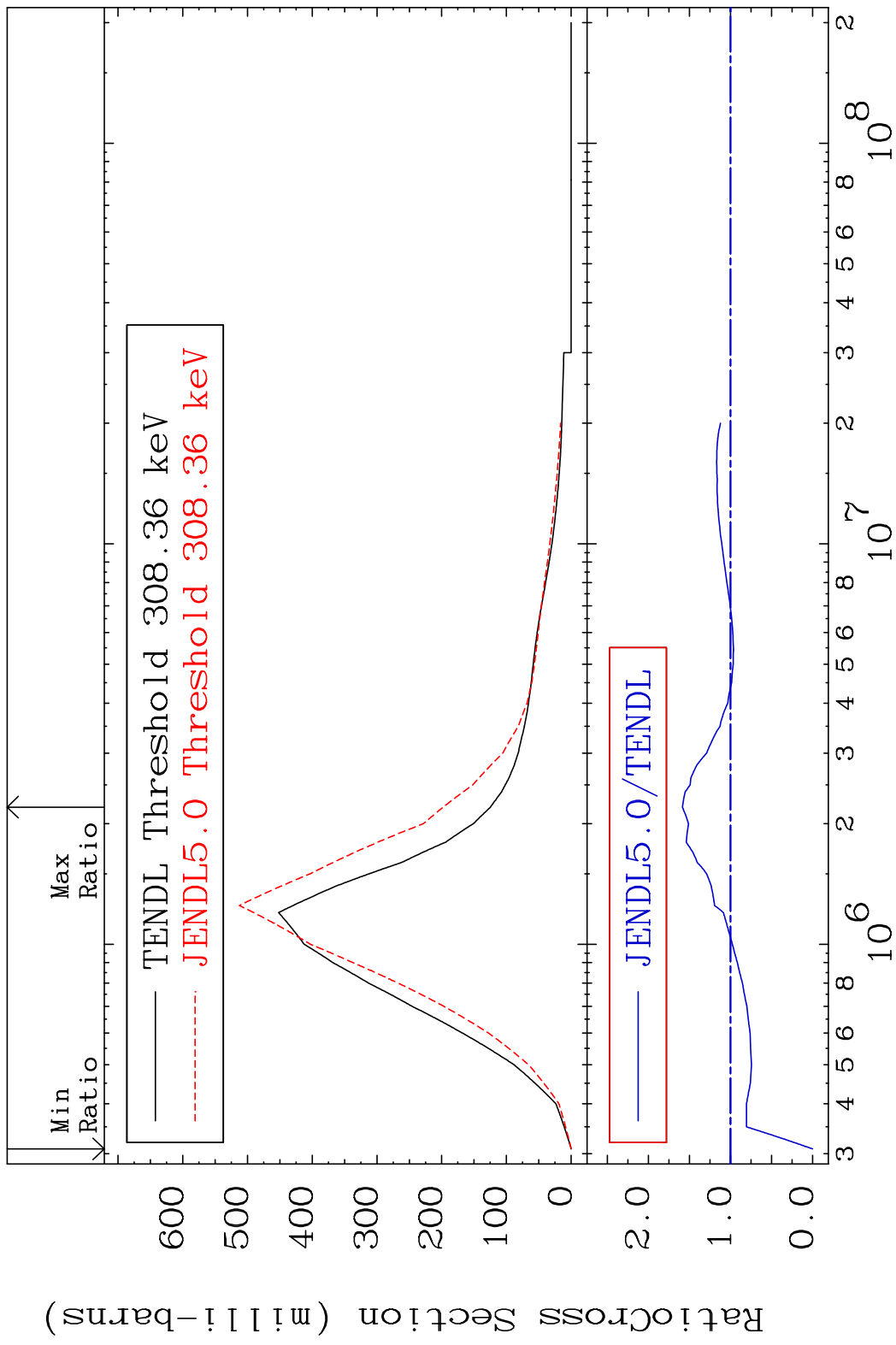


9

Incident Energy (eV)

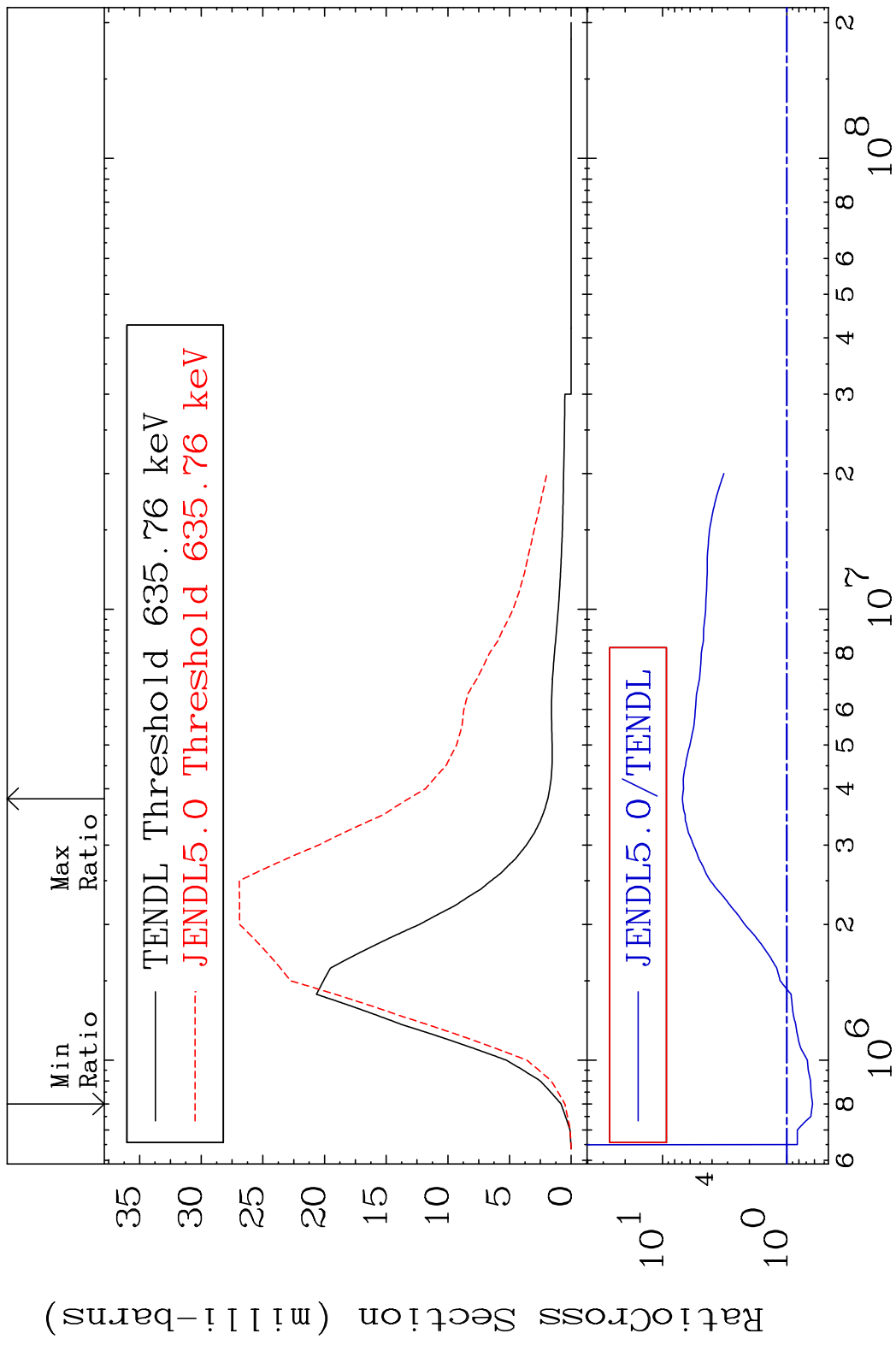
72-Hf-178

MAT 7237 MT= 52 (n,n') Level 72-Hf-178  
 Cross Section -100.0 To 58.59 %



10 Incident Energy (eV) 72-Hf-178

MAT 7237 MT= 53 (n,n') Level 72-Hf-178  
 Cross Section -37.80 To 594.2 %

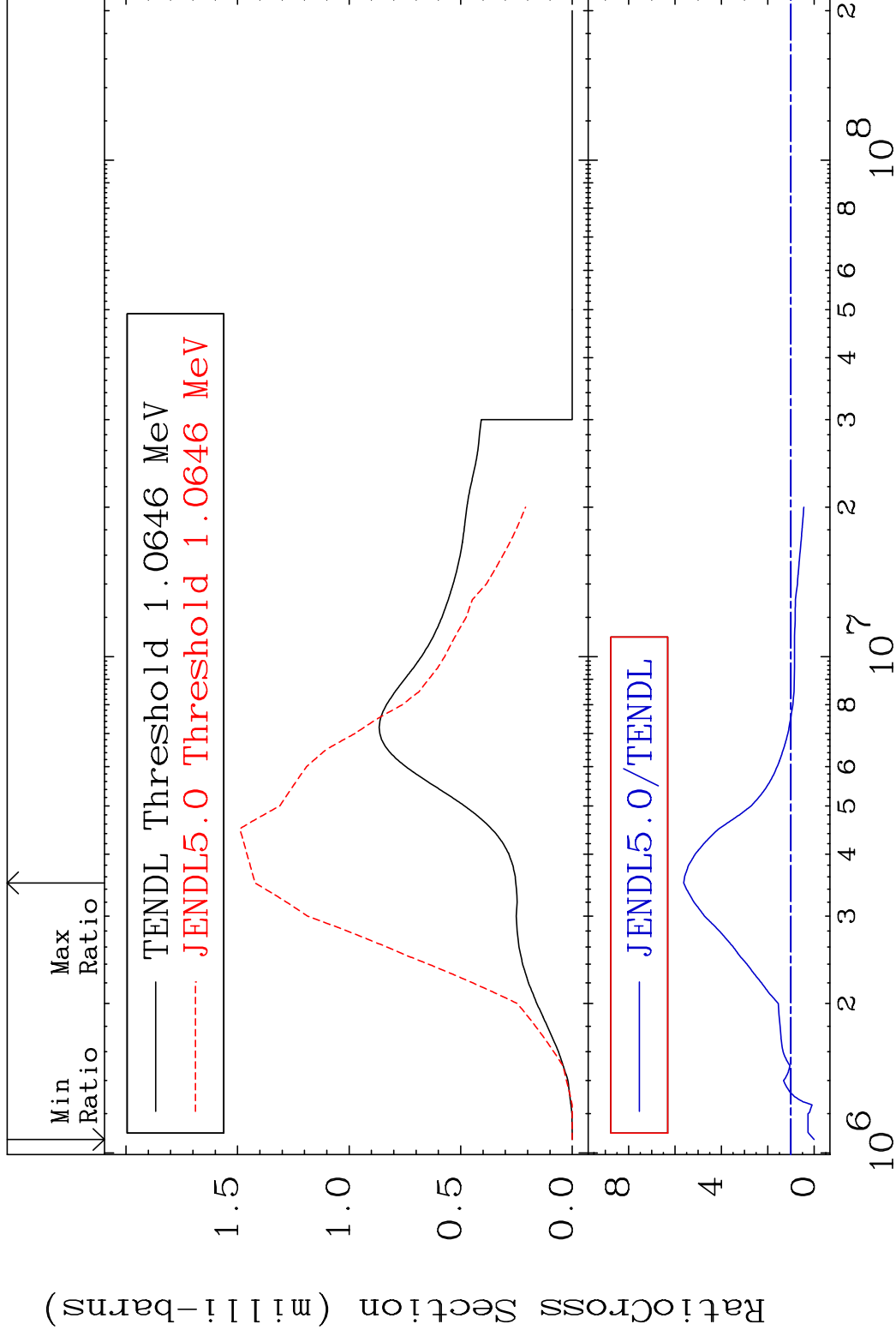


MAT 7237

MT= 54 (n,n') Level

72-Hf-178

Cross Section -100.0 To 462.6 %

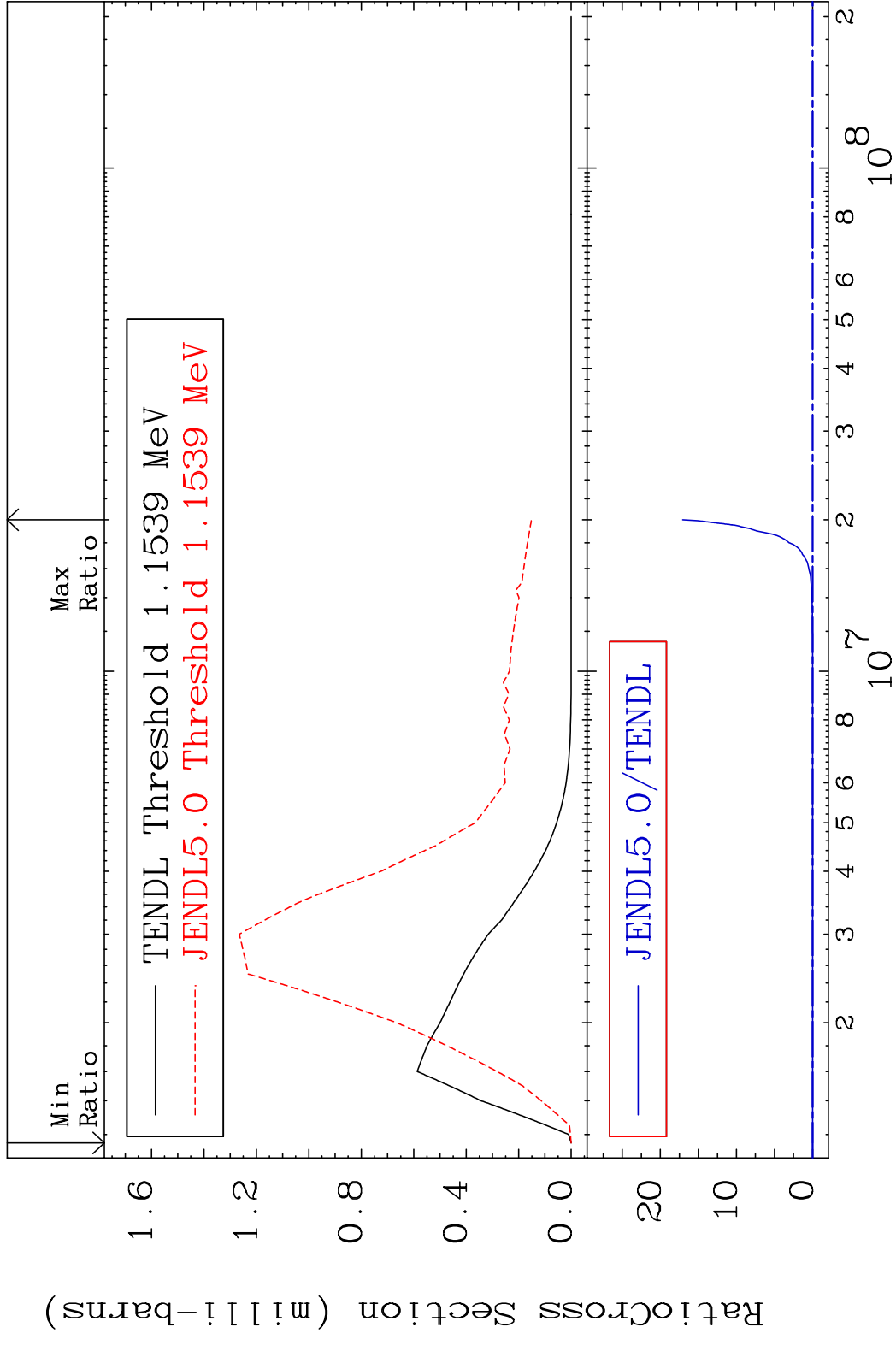


12

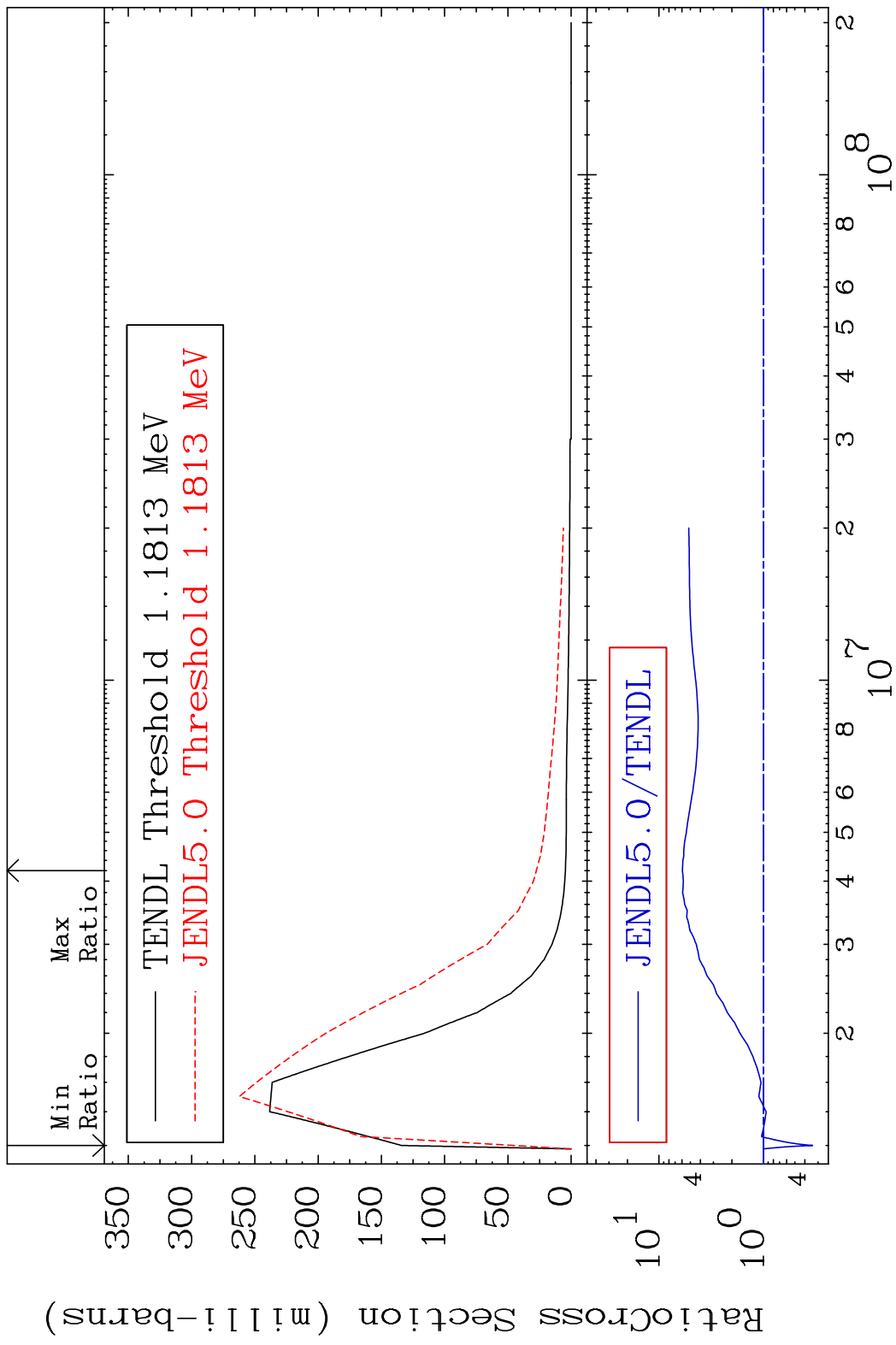
Incident Energy (eV)

72-Hf-178

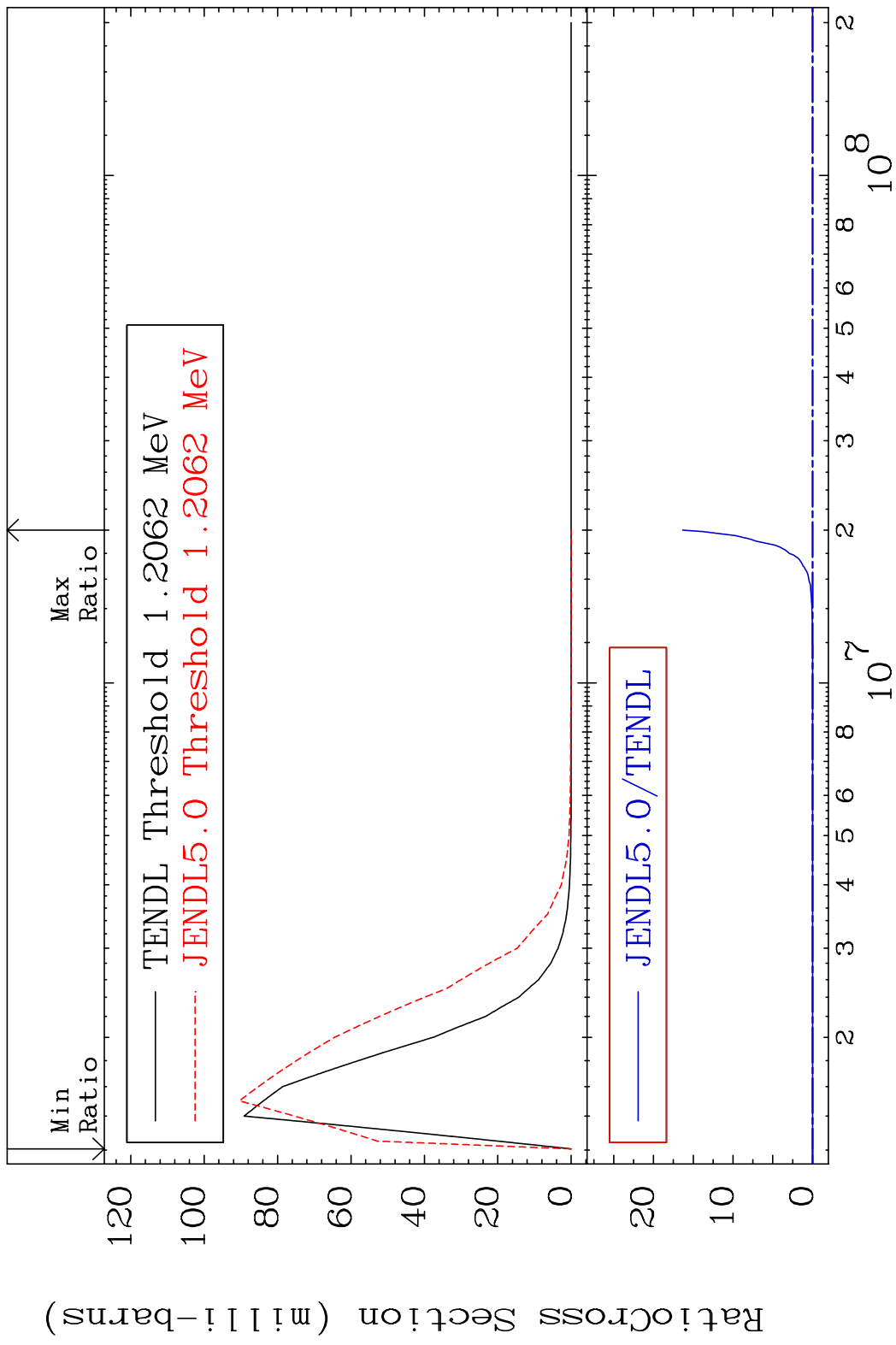
MAT 7237 MT= 55 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 9999. %



MAT 7237 MT= 56 (n,n') Level 72-Hf-178  
 Cross Section -66.18 To 495.4 %

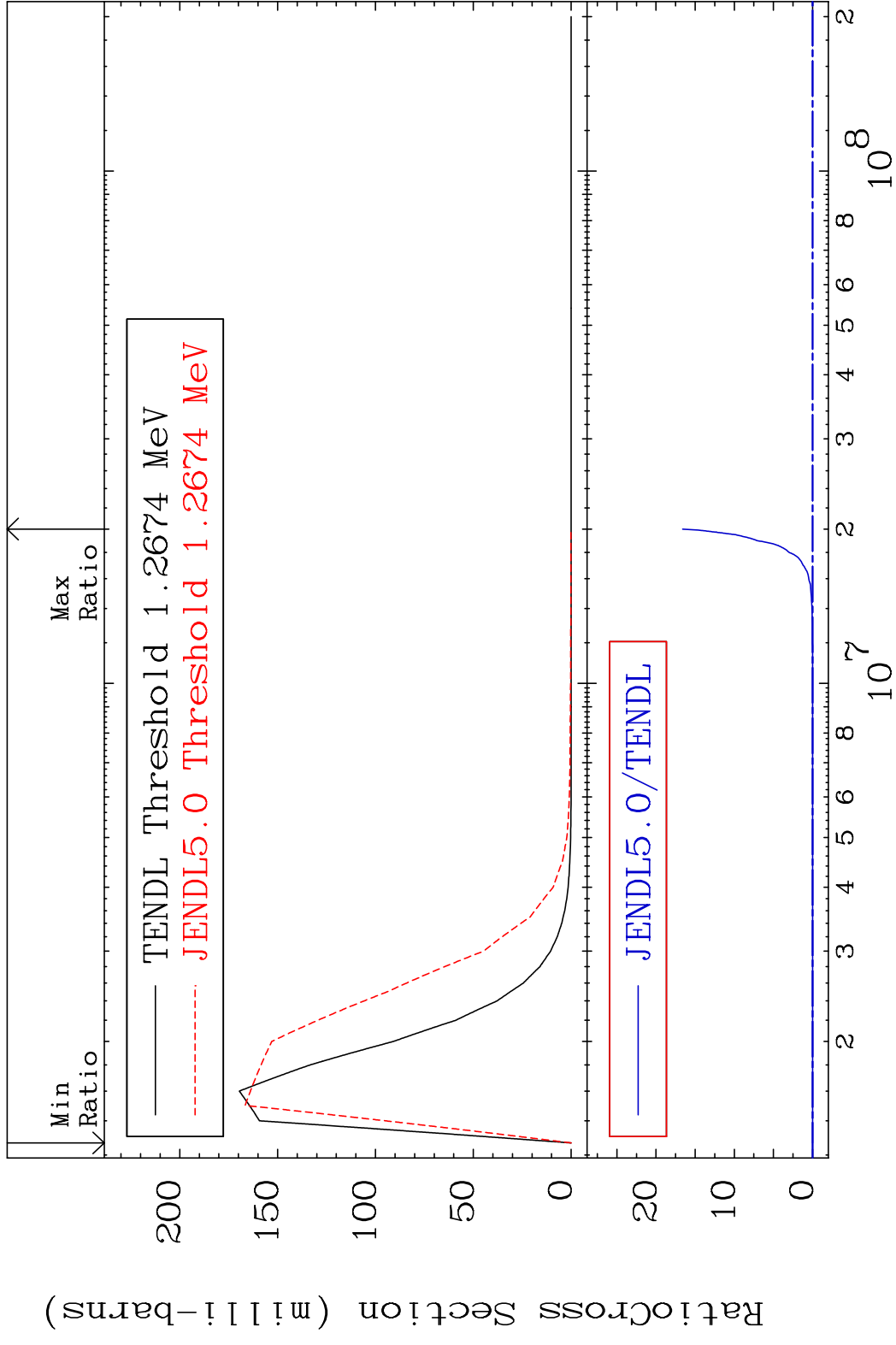


MAT 7237 MT= 57 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 9999. %

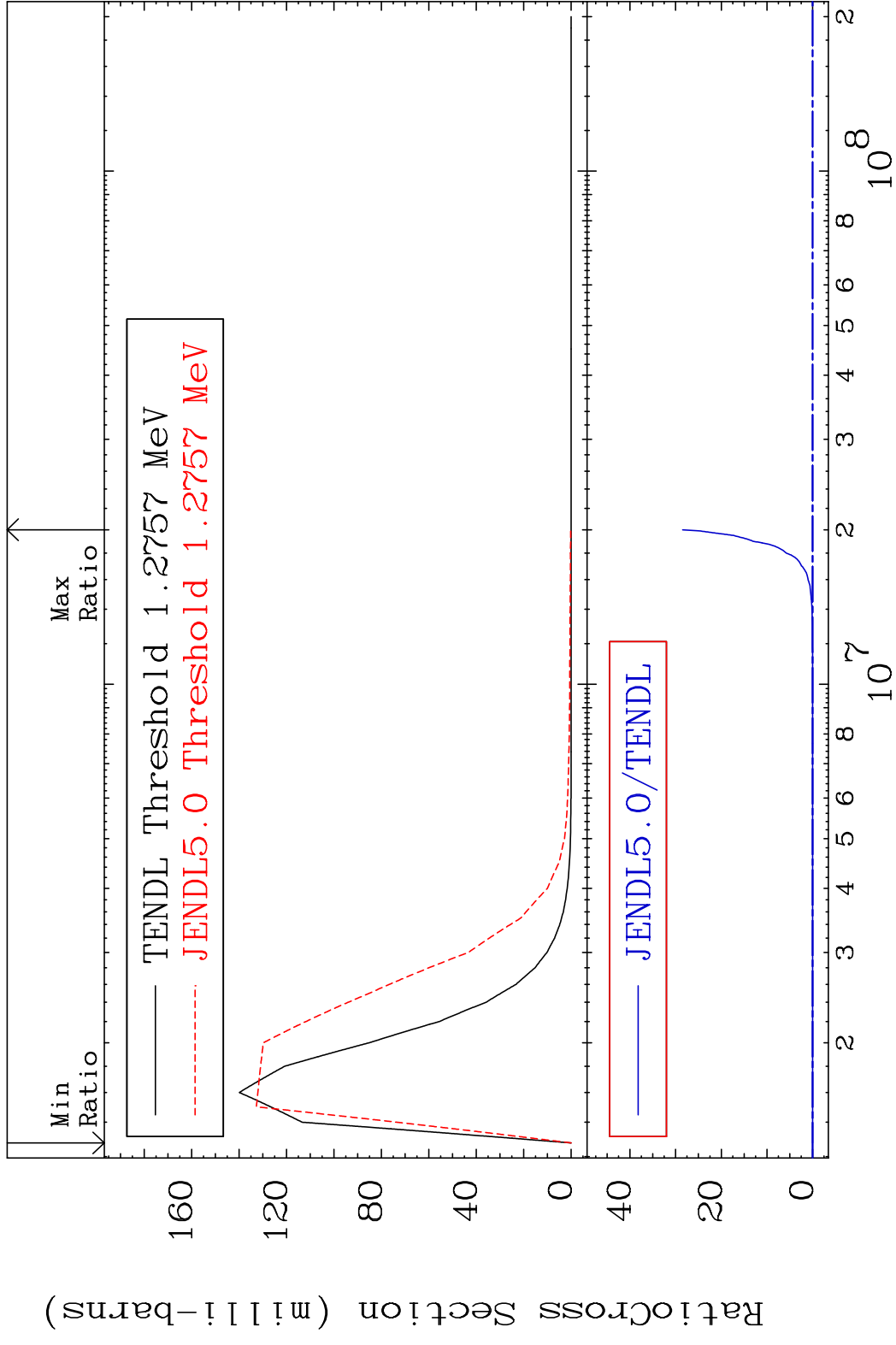




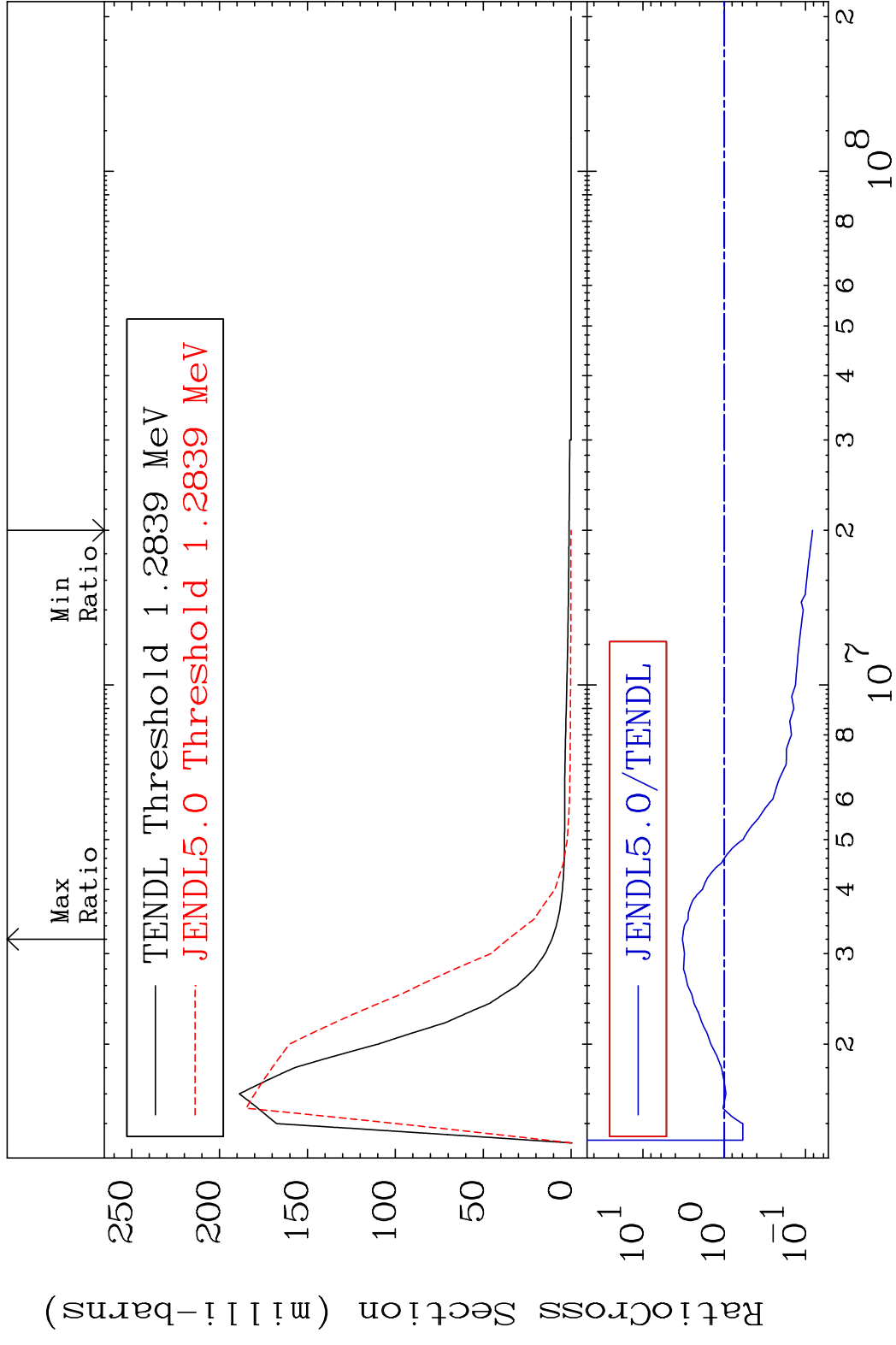
MAT 7237 MT= 58 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 9999. %



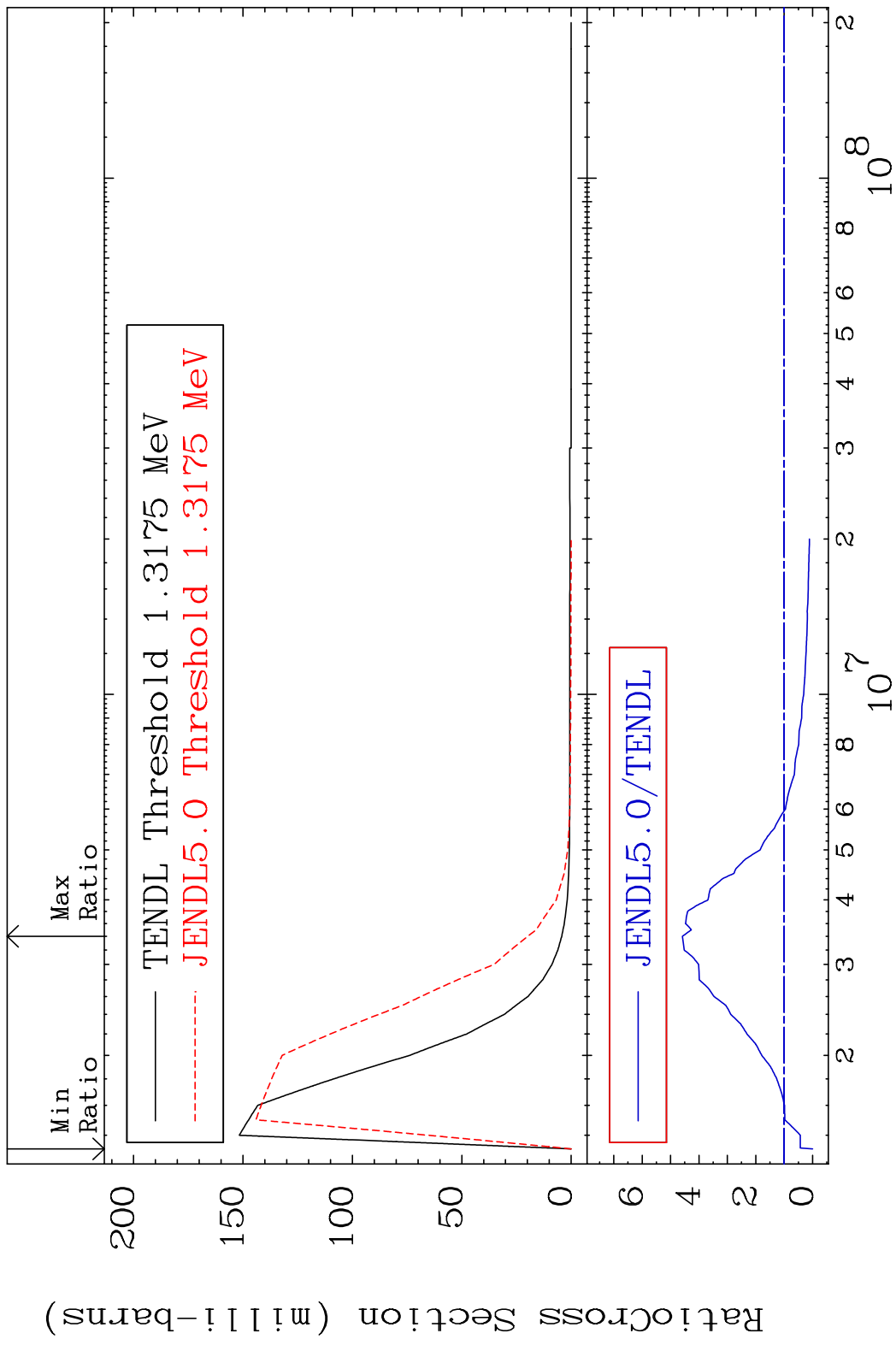
MAT 7237 MT= 59 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 9999. %



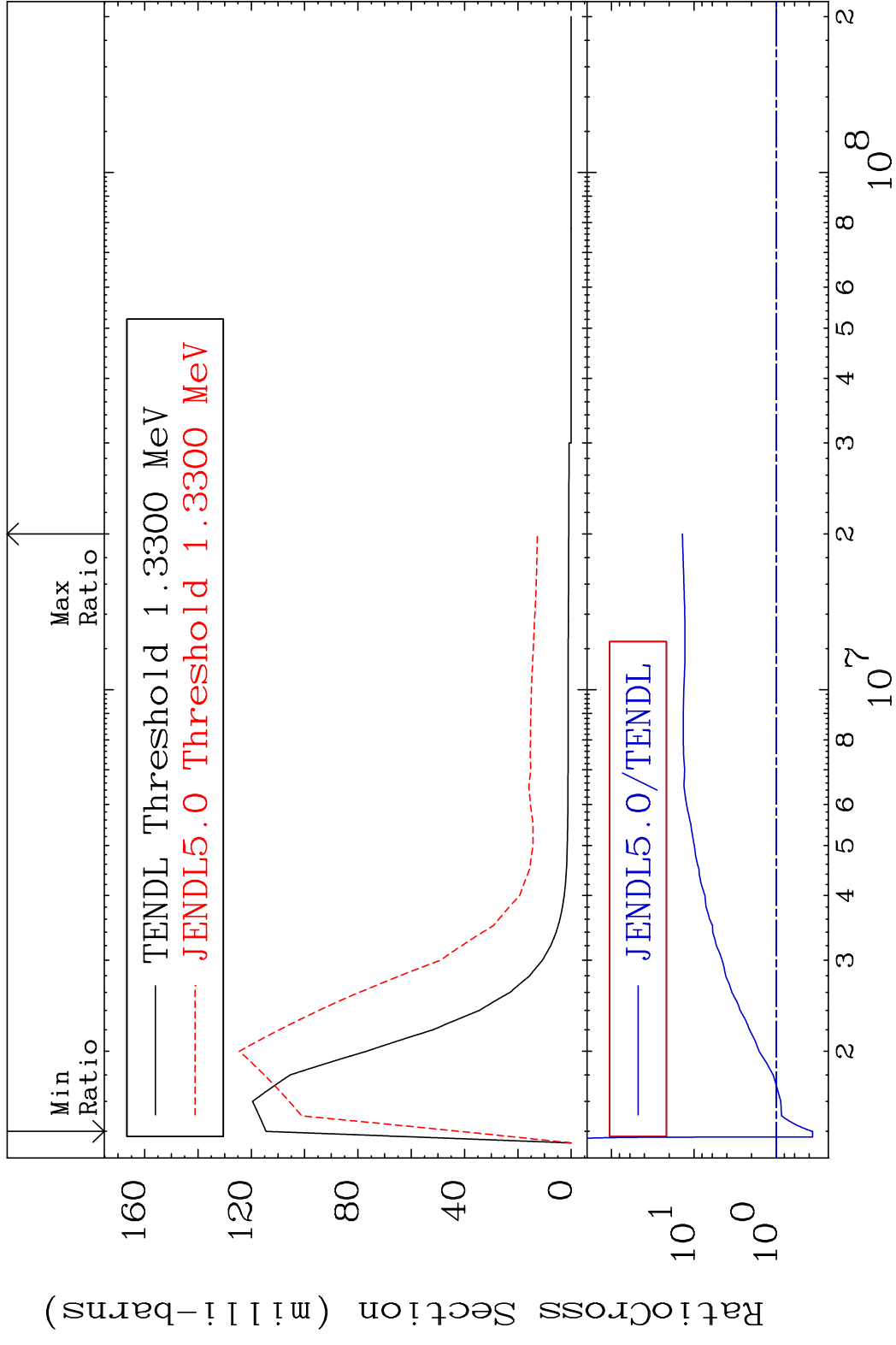
MAT 7237 MT= 60 (n, n') Level 72-Hf-178  
 Cross Section -91.79 To 227.6 %



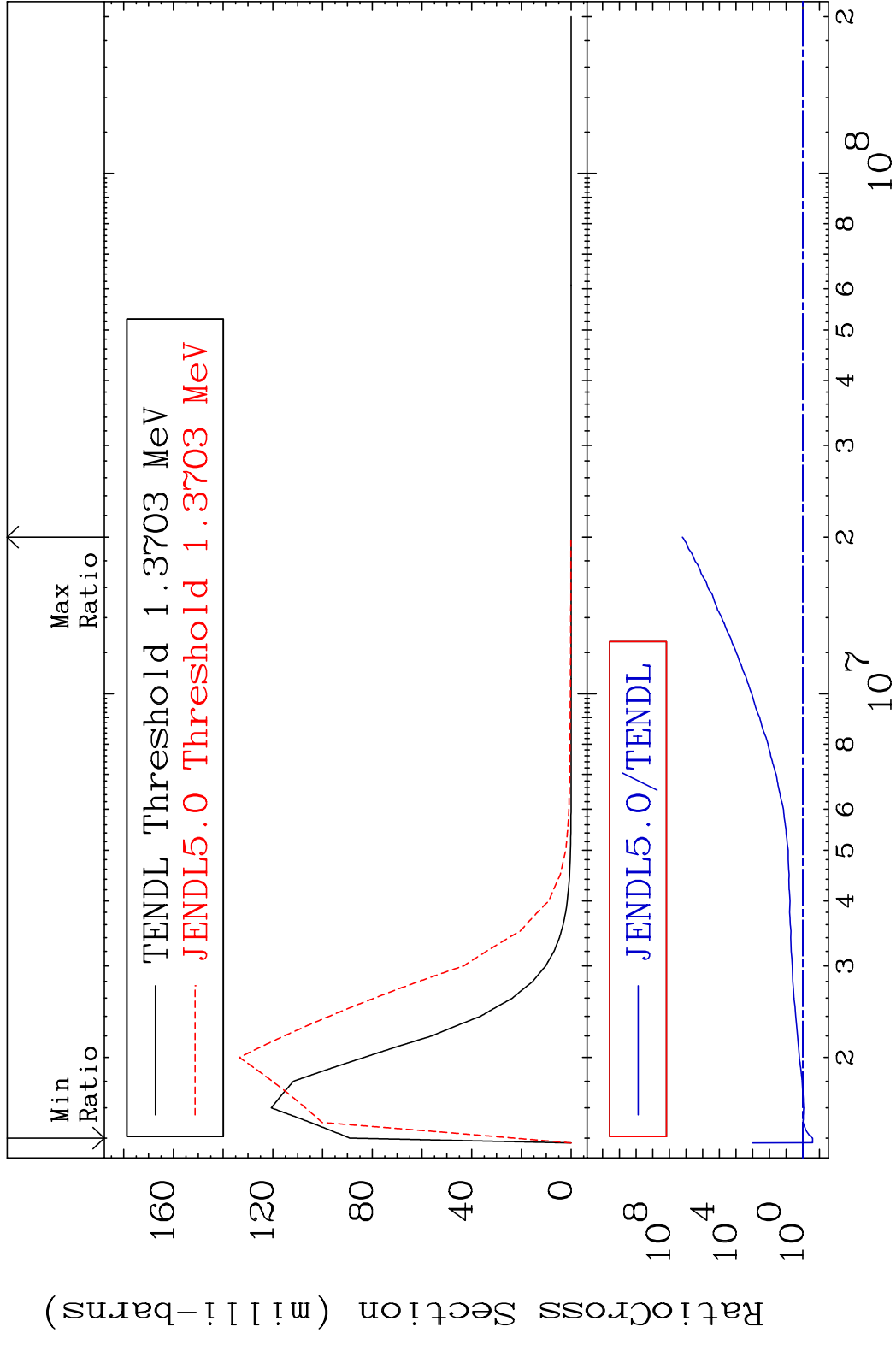
MAT 7237 MT= 61 (n,n') Level 72-Hf-178  
 Cross Section -100.0 To 358.5 %



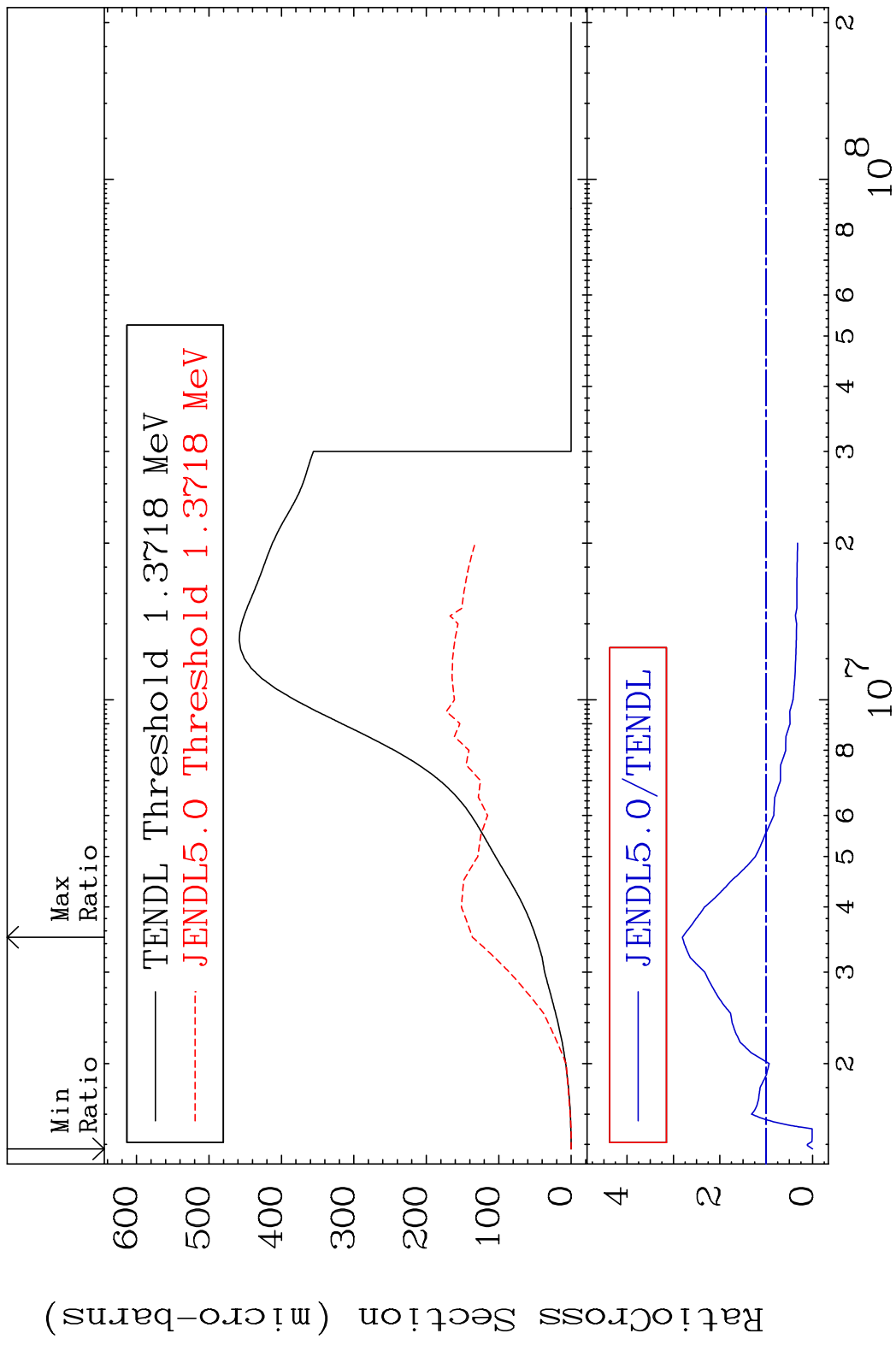
MAT 7237 MT= 62 (n, n') Level 72-Hf-178  
 Cross Section -63.63 To 1283. %



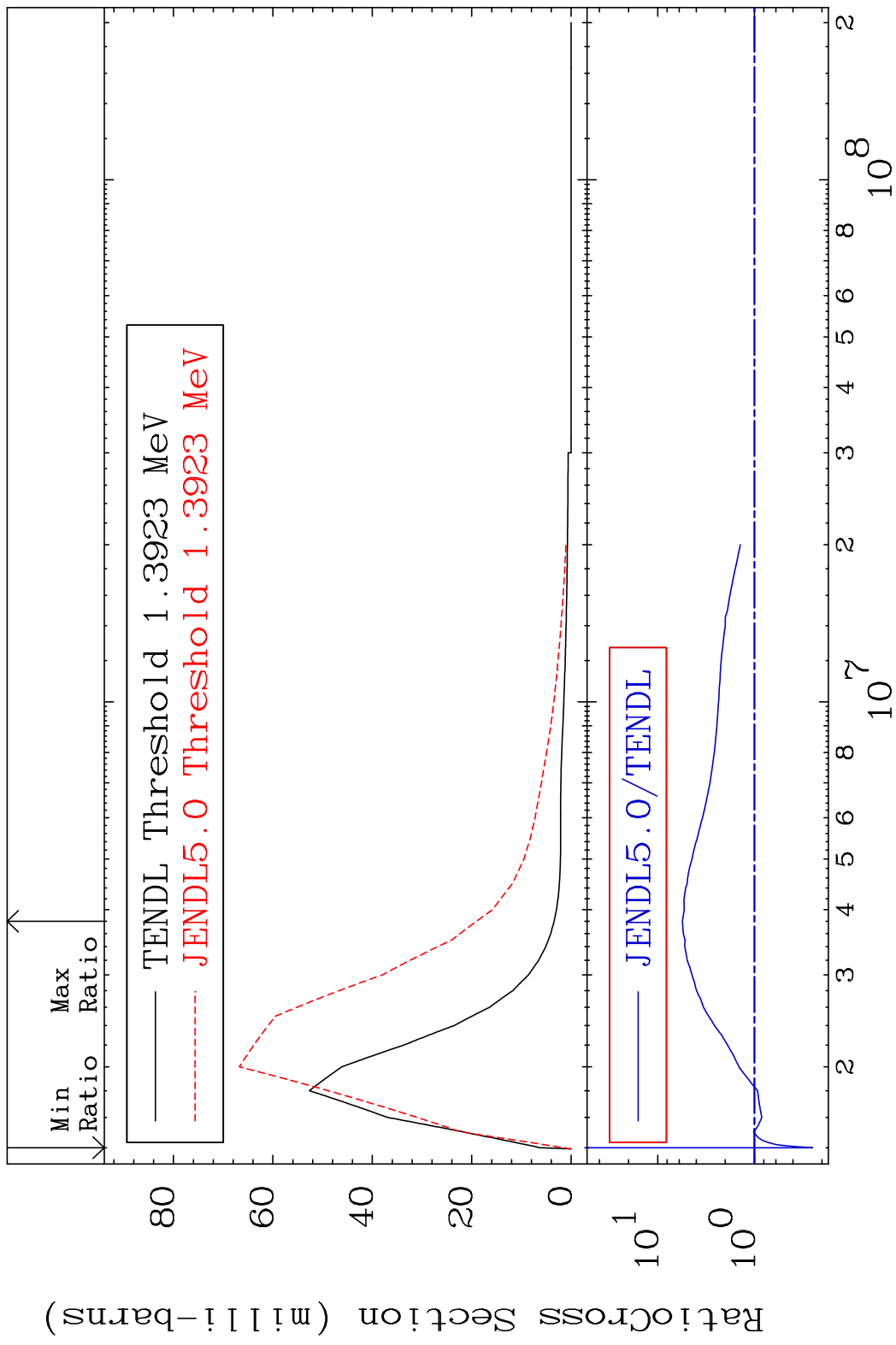
MAT 7237 MT= 63 (n, n') Level 72-Hf-178  
 Cross Section -74.22 To 9999. %



MAT 7237 MT= 64 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 180.7 %

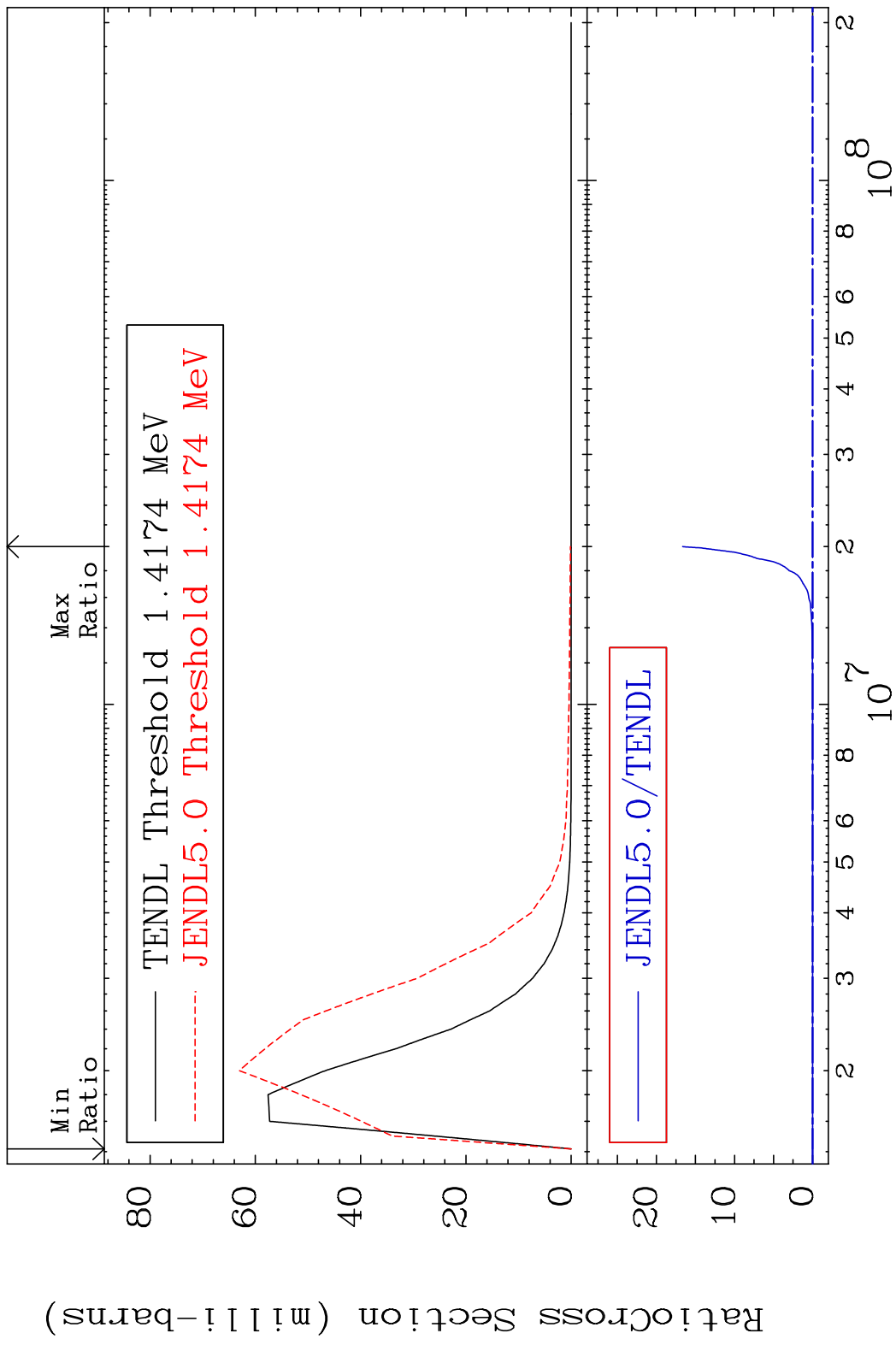


MAT 7237 MT= 65 (n,n') Level 72-Hf-178  
 Cross Section -74.94 To 456.2 %

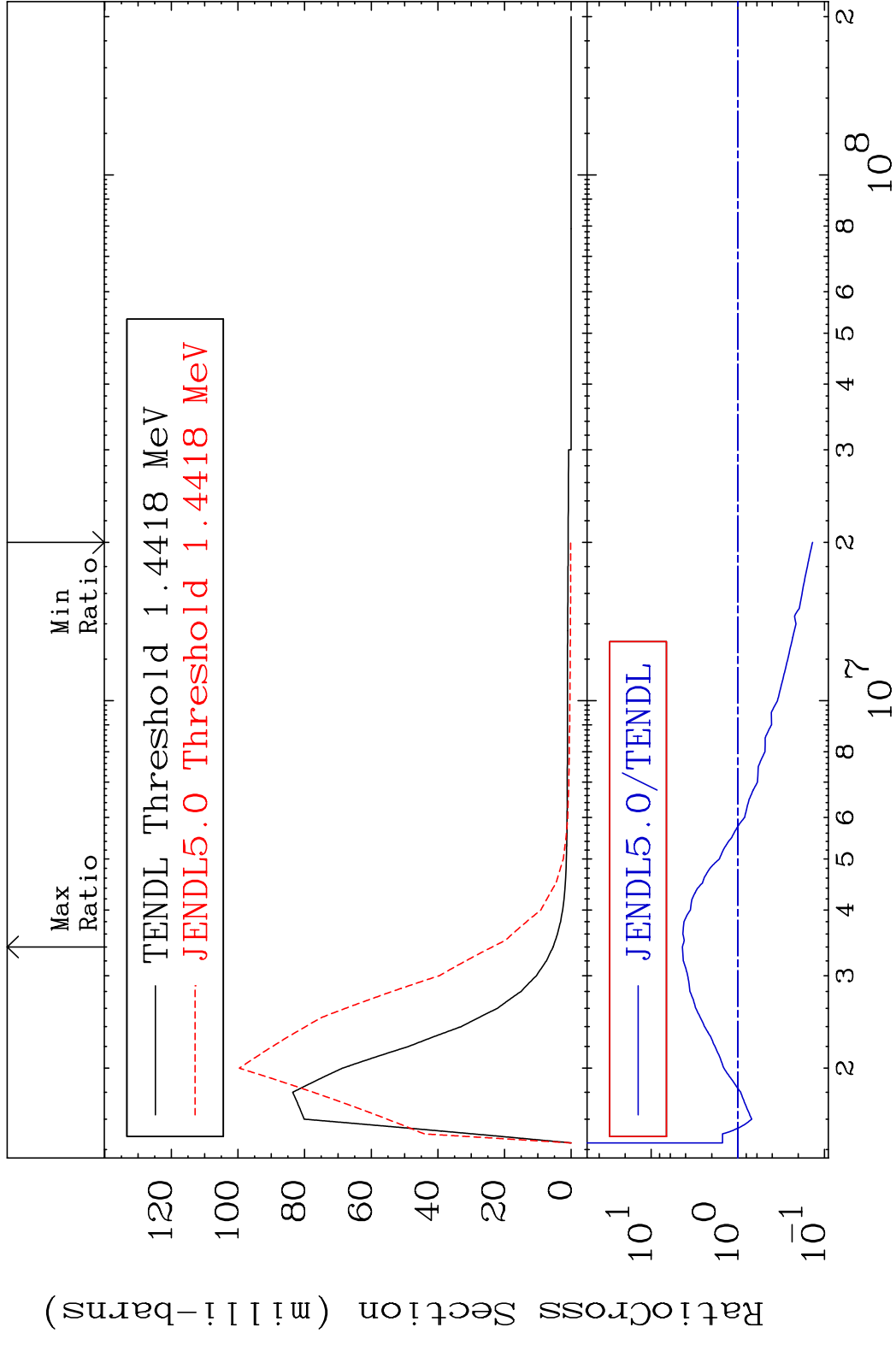




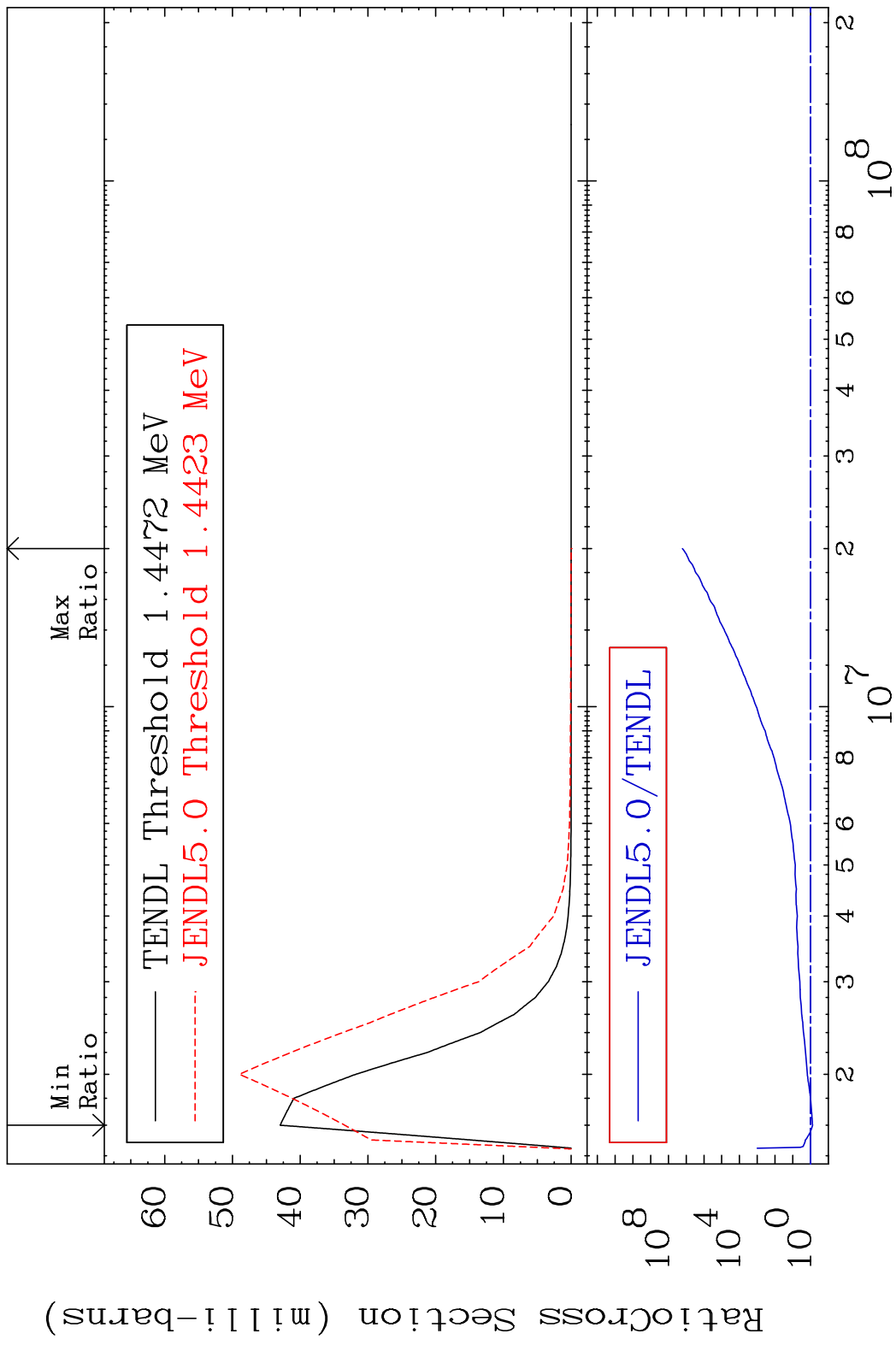
MAT 7237 MT= 66 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 9999. %



MAT 7237 MT= 67 (n, n') Level 72-Hf-178  
 Cross Section -86.30 To 336.6 %



MAT 7237 MT= 68 (n, n') Level 72-Hf-178  
 Cross Section -22.19 To 9999. %

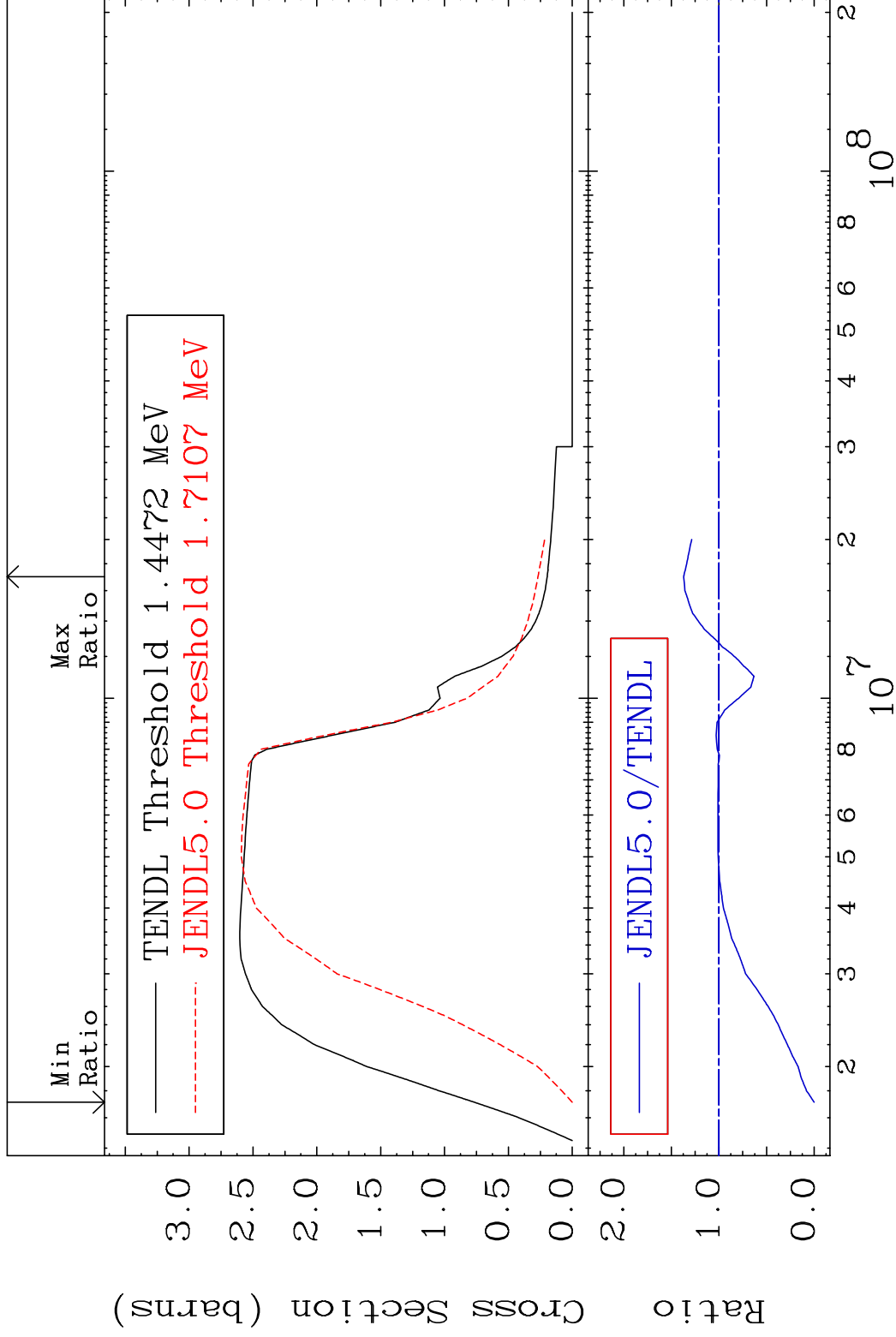


MAT 7237

(n, n') Continuum

72-Hf-178

Cross Section -100.0 To 37.12 %

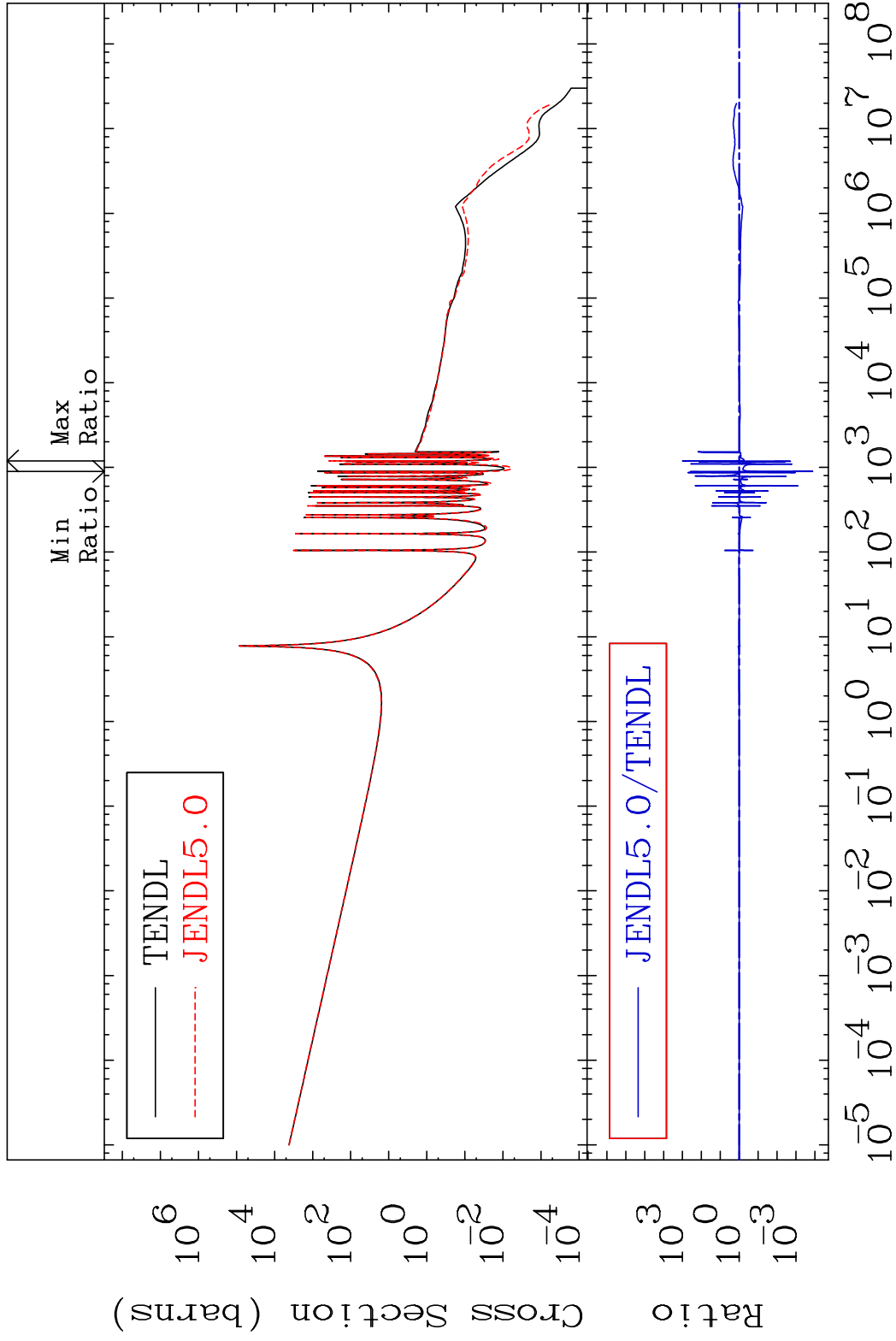


MAT 7237

(n,  $\gamma$ )

72-Hf-178

Cross Section -99.99 To 9999. %



28

Incident Energy (eV)

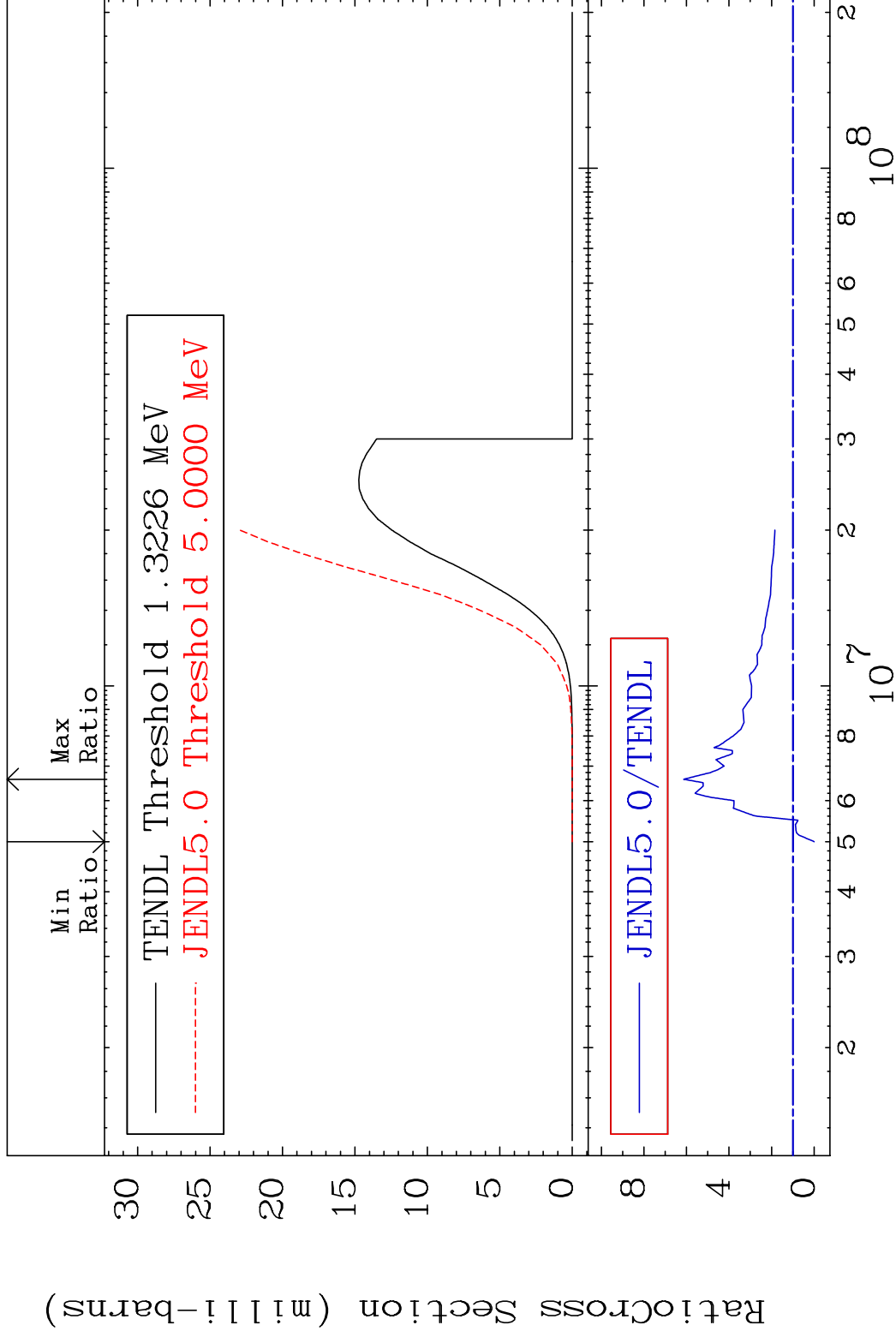
72-Hf-178

MAT 7237

(n,p)

72-Hf-178

Cross Section -100.0 To 513.2 %



29

Incident Energy (eV)

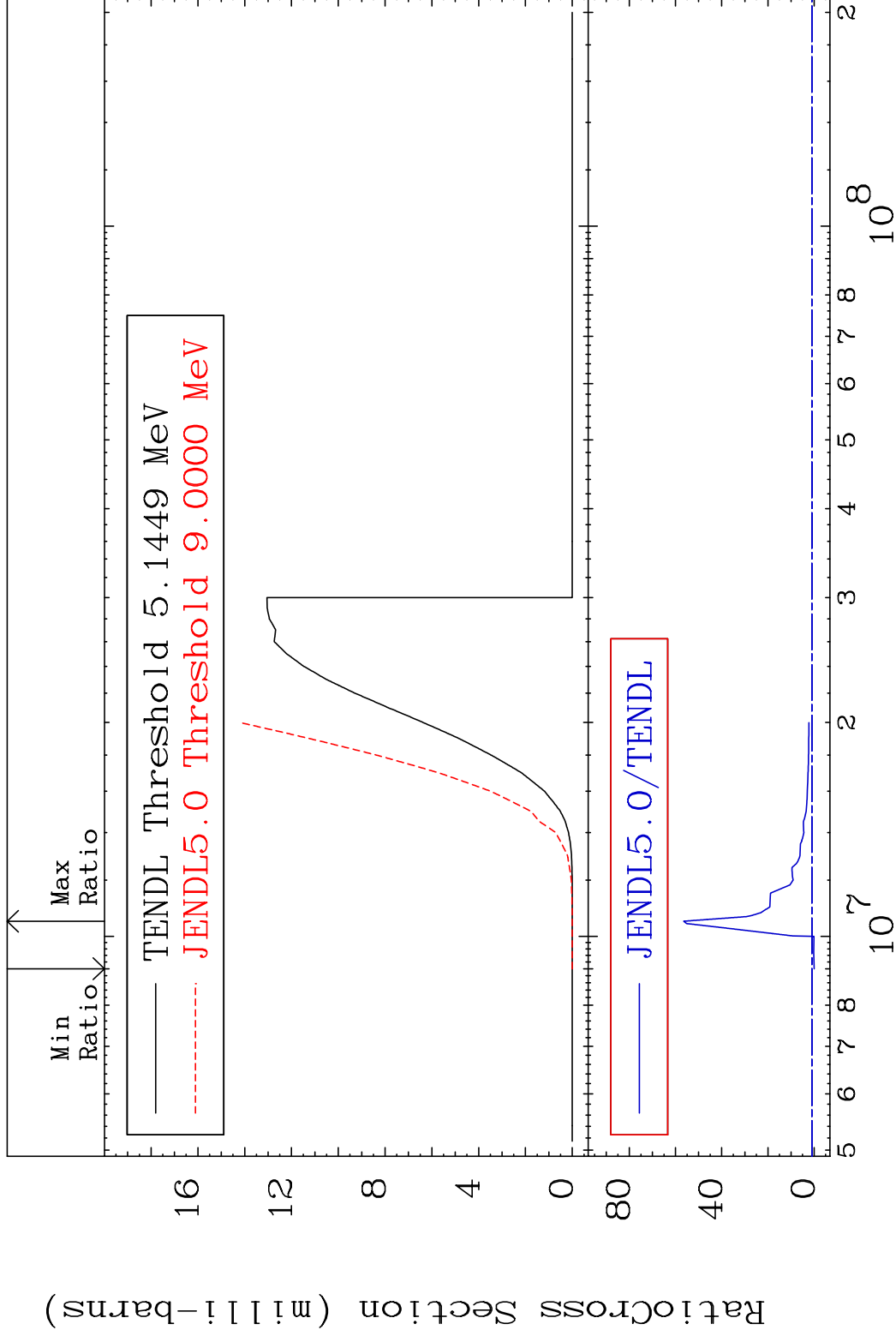
72-Hf-178

MAT 7237

(n,d)

72-Hf-178

Cross Section -100.0 To 5548. %



30

Incident Energy (eV)

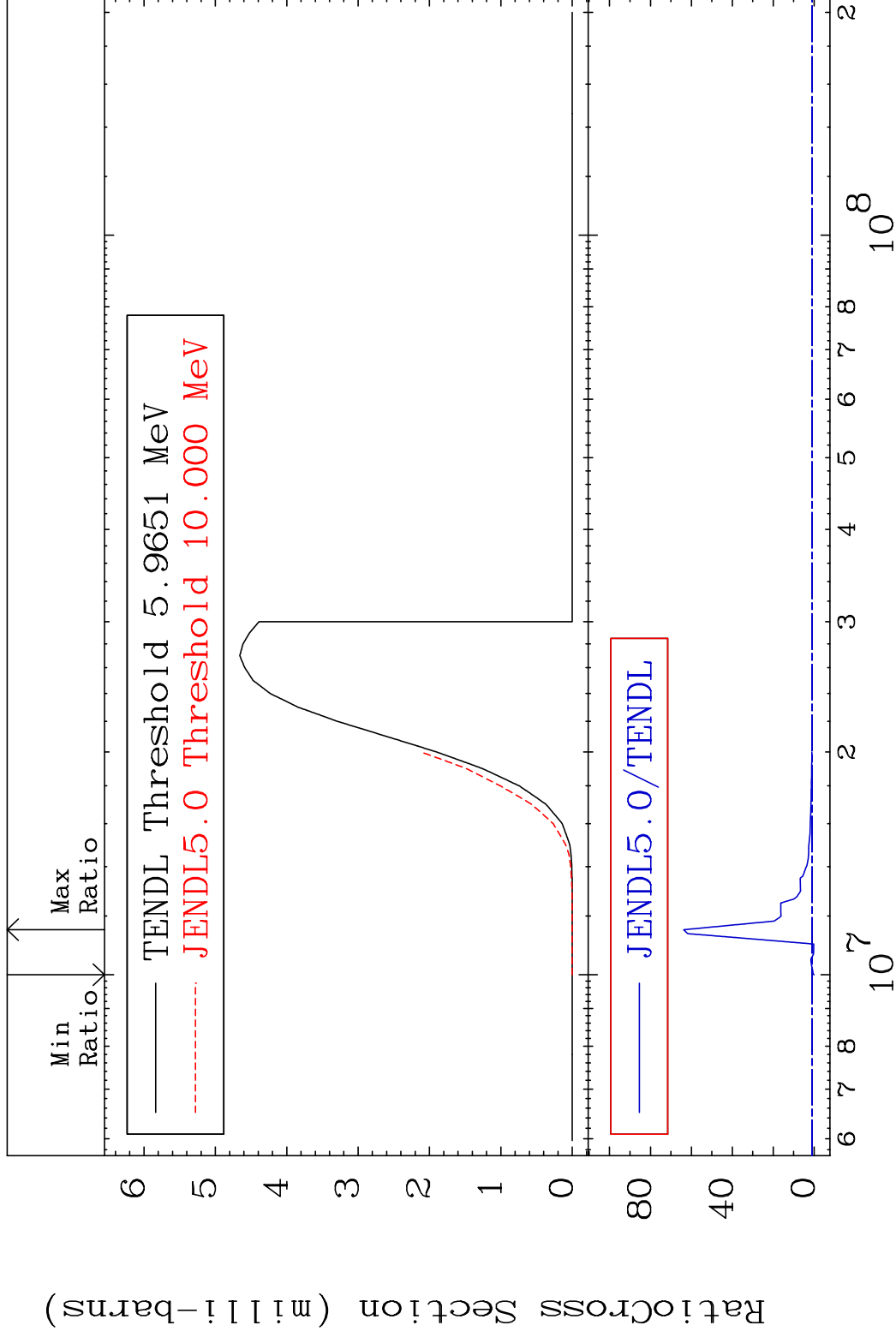
72-Hf-178

MAT 7237

(n, t)

72-Hf-178

Cross Section -100.0 To 6277. %



31

Incident Energy (eV)

72-Hf-178

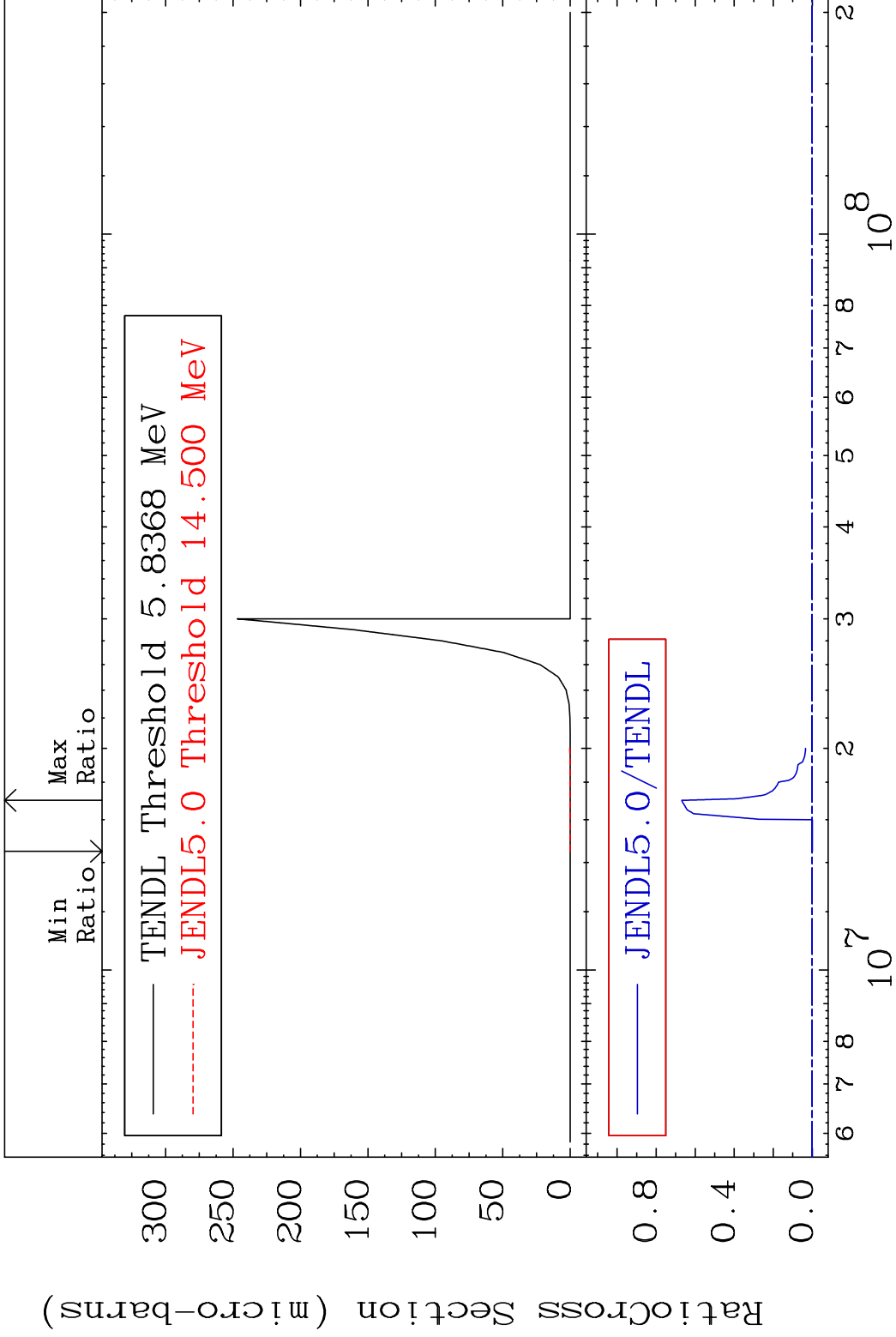


MAT 7237

(n, He-3)

72-Hf-178

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

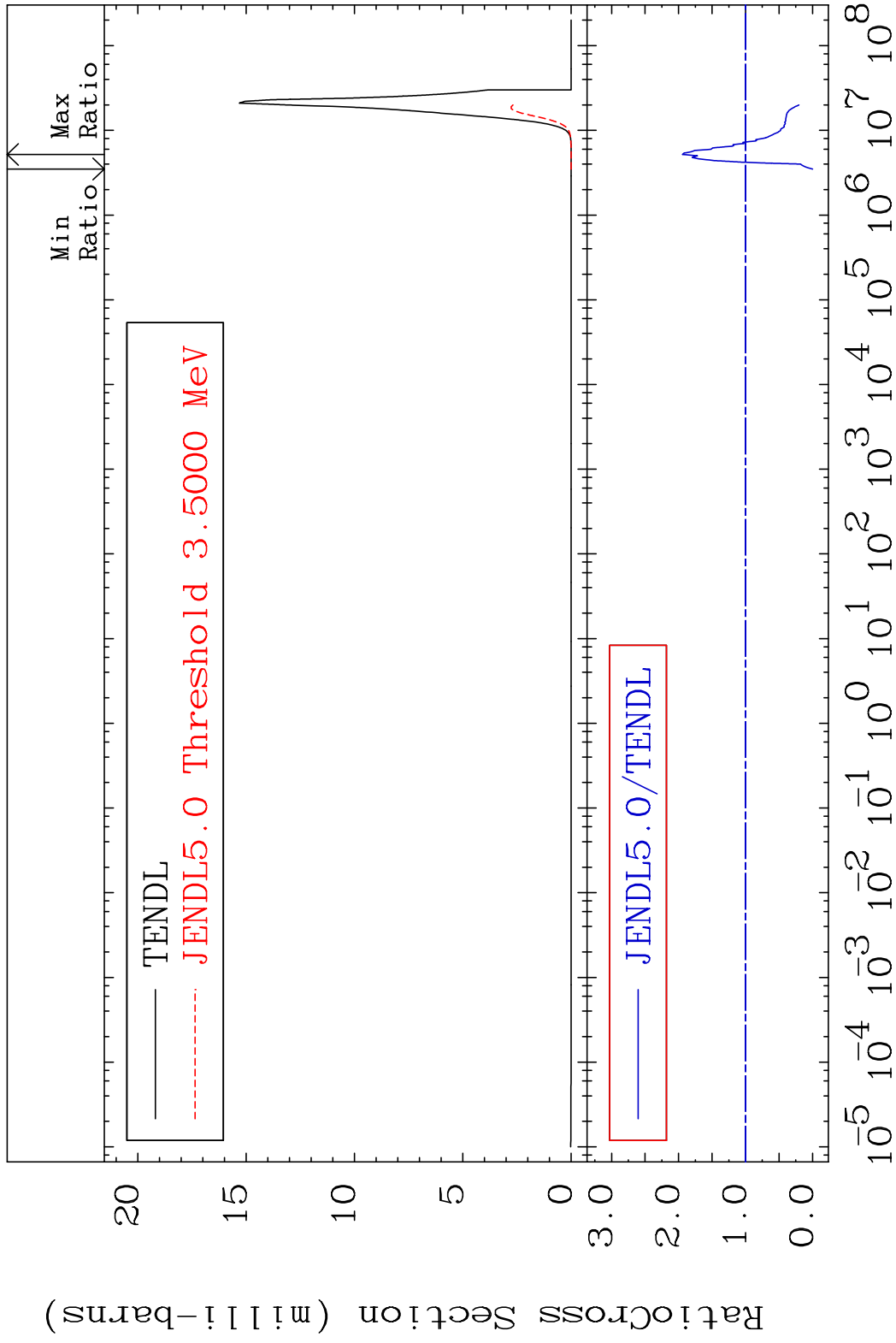
72-Hf-178

MAT 7237

(n,  $\alpha$ )

72-Hf-178

Cross Section -100.0 To 94.37 %

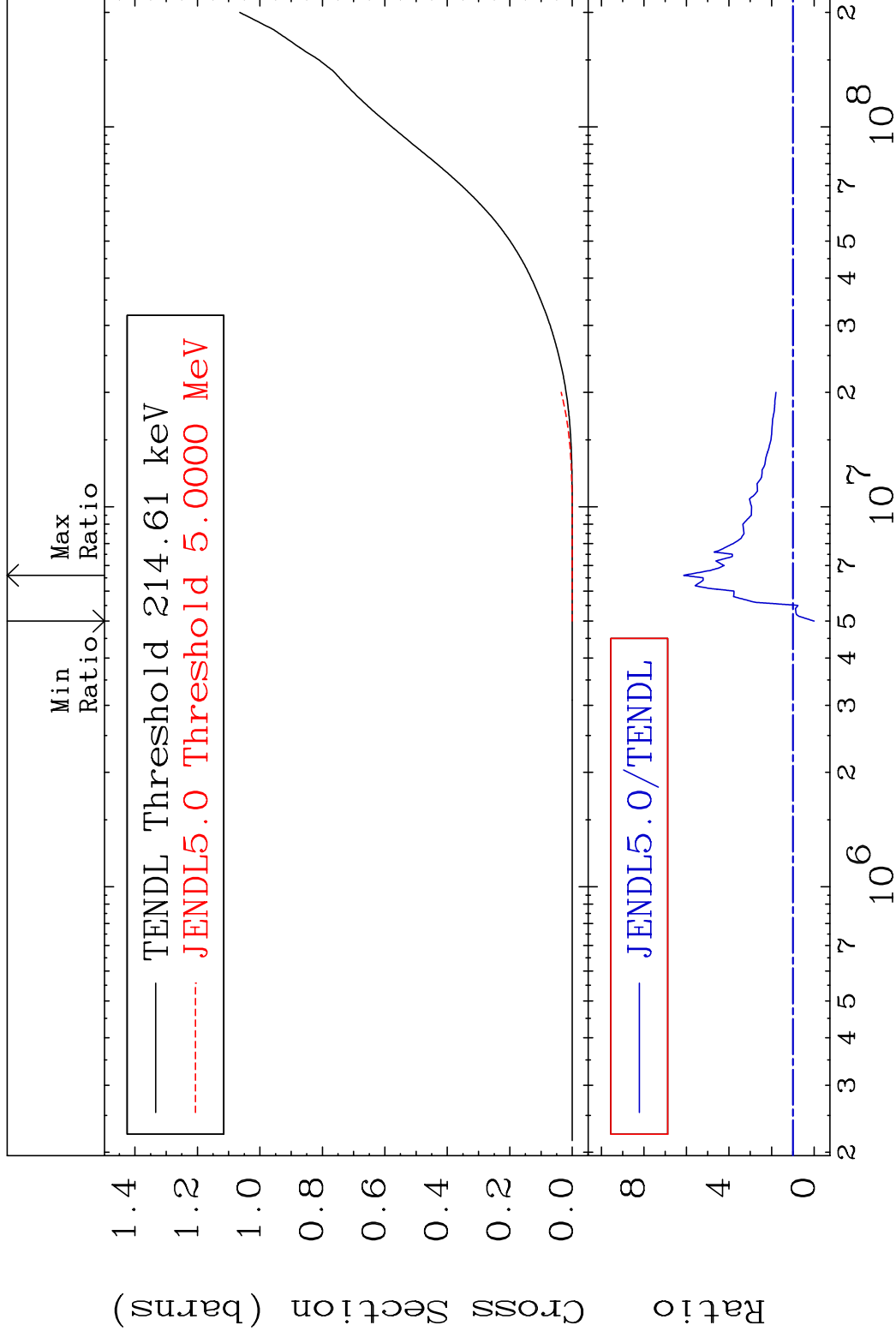


33

Incident Energy (eV)

72-Hf-178

Cross Section -100.0 To 513.2 %

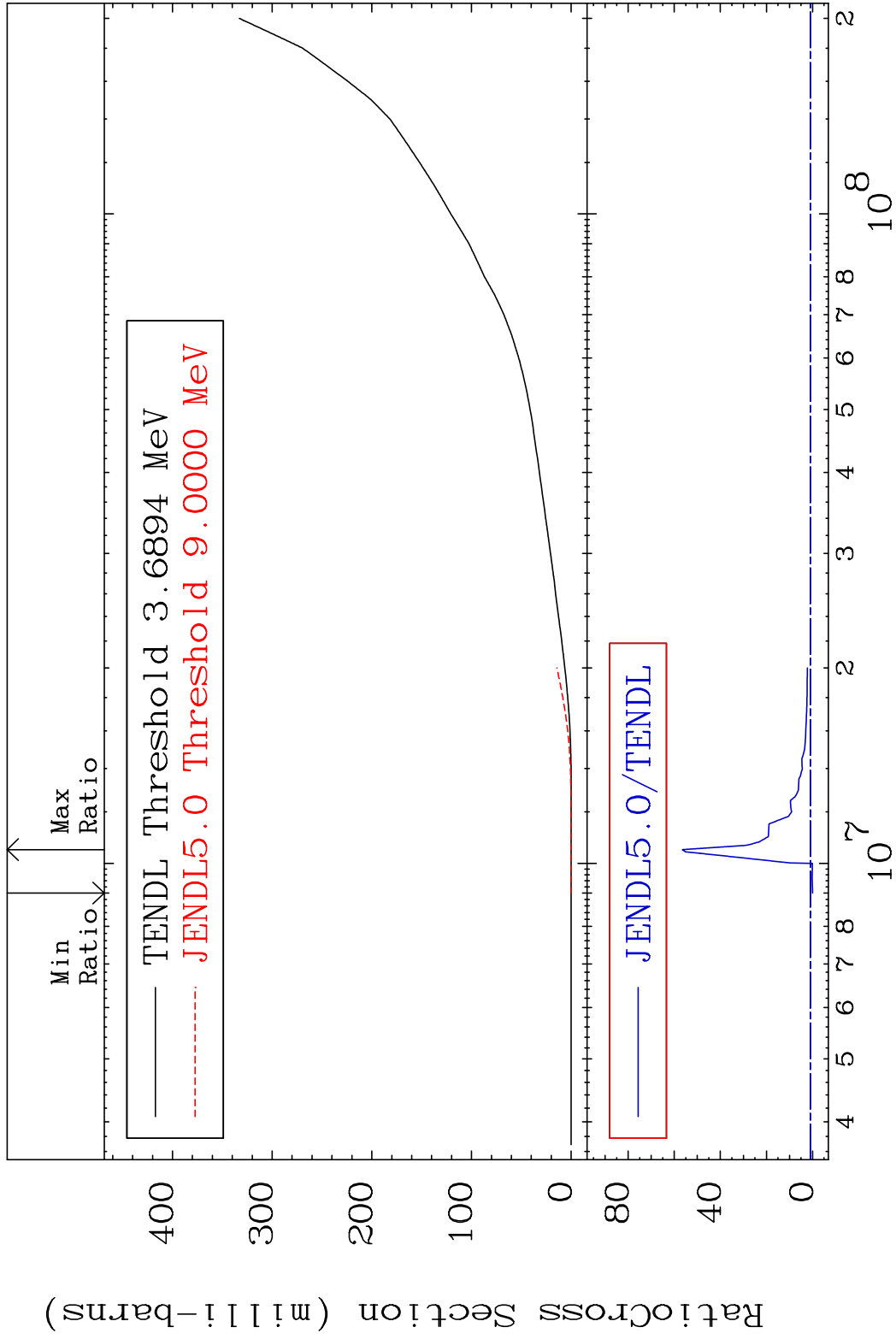


MAT 7237

Deuterium Production

72-Hf-178

Cross Section -100.0 To 5548. %



35

Incident Energy (eV)

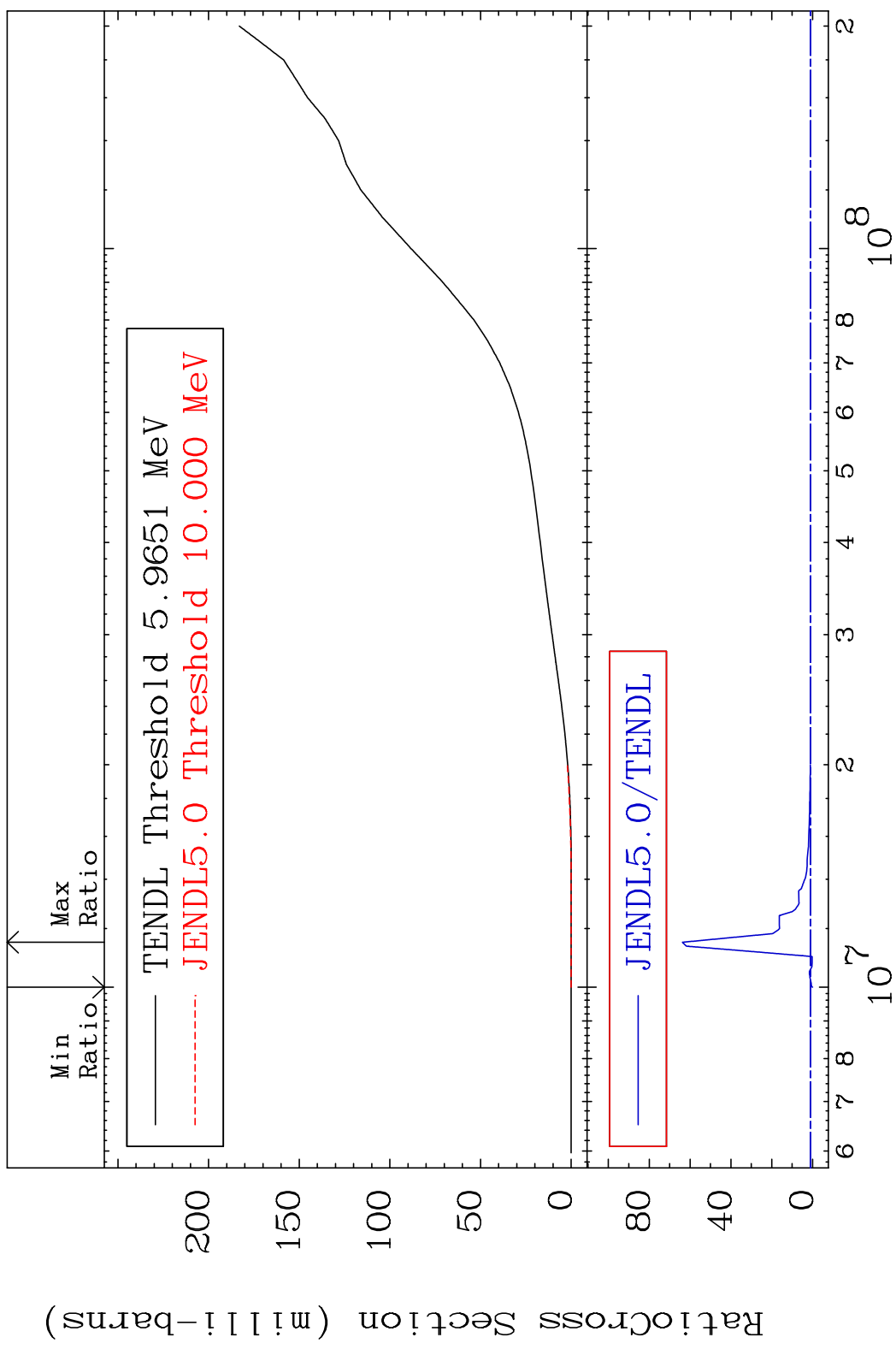
72-Hf-178

MAT 7237

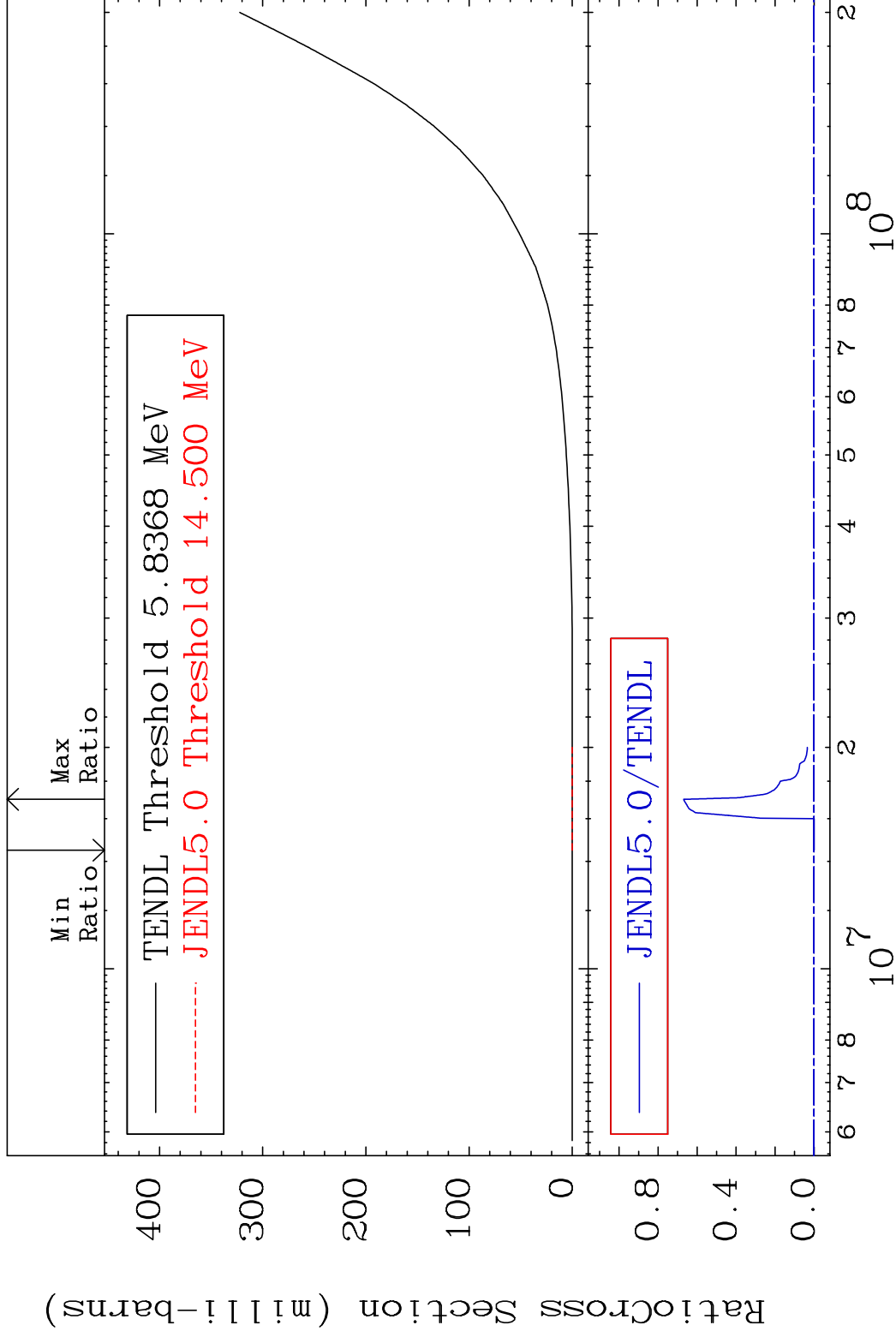
Tritium Production

72-Hf-178

Cross Section -100.0 To 6277. %



Cross Section -100.0 To 9999. %

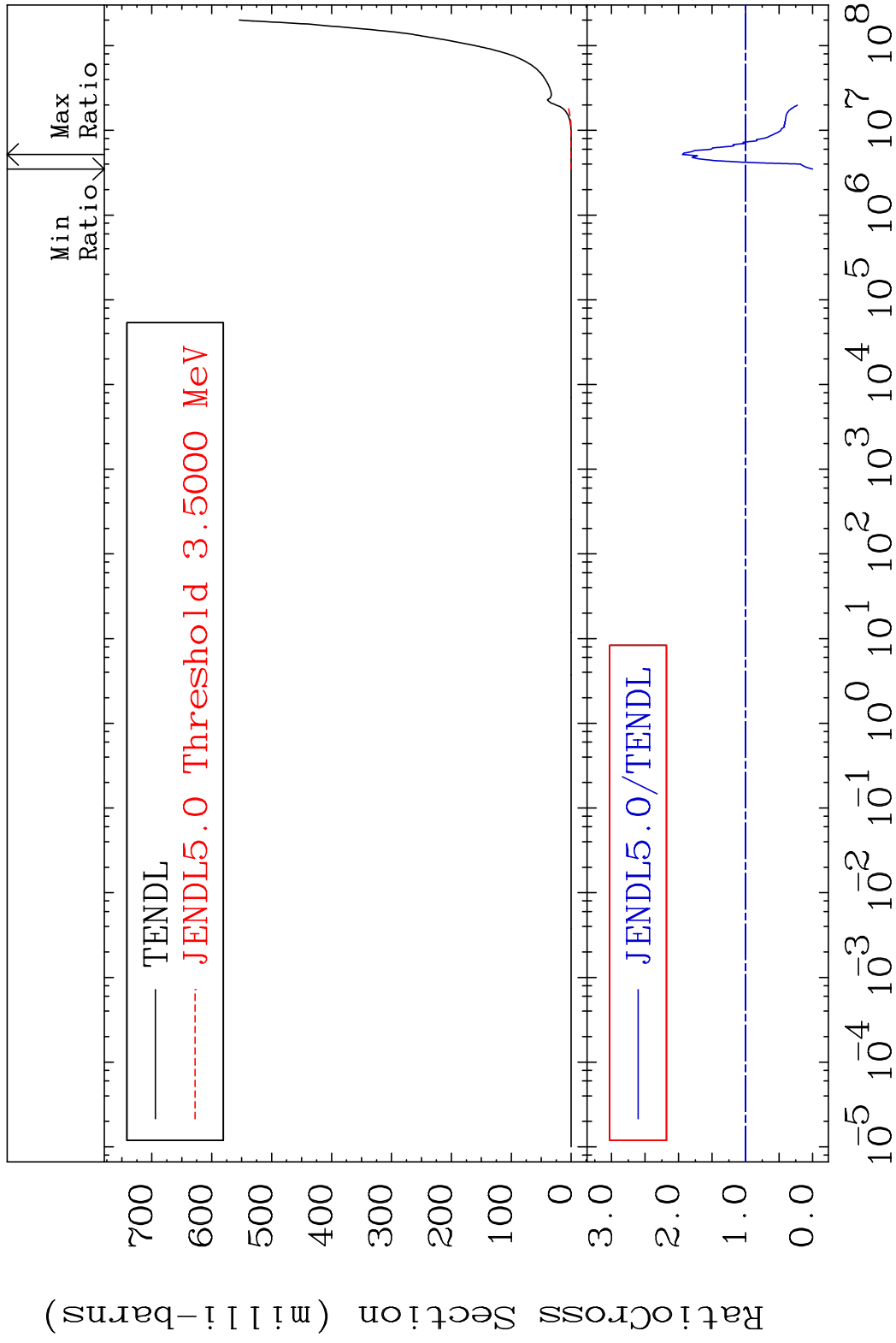


MAT 7237

He-4 Production

72-Hf-178

Cross Section -100.0 To 94.35 %

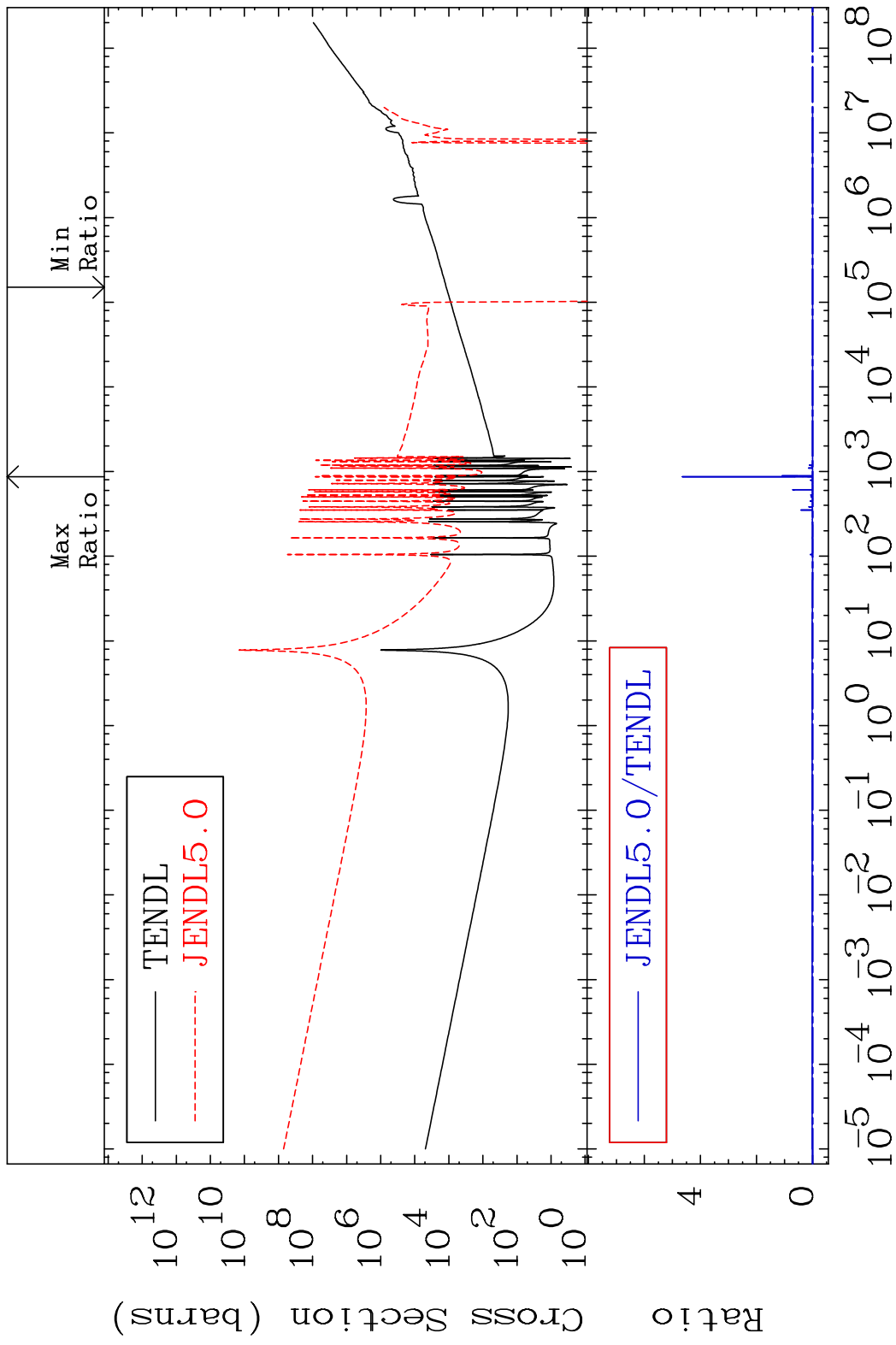


38

Incident Energy (eV)

72-Hf-178

MAT 7237 Kerma total (eV-barns) 72-Hf-178  
 Cross Section -2009. To 9999. %



39 Incident Energy (eV) 72-Hf-178

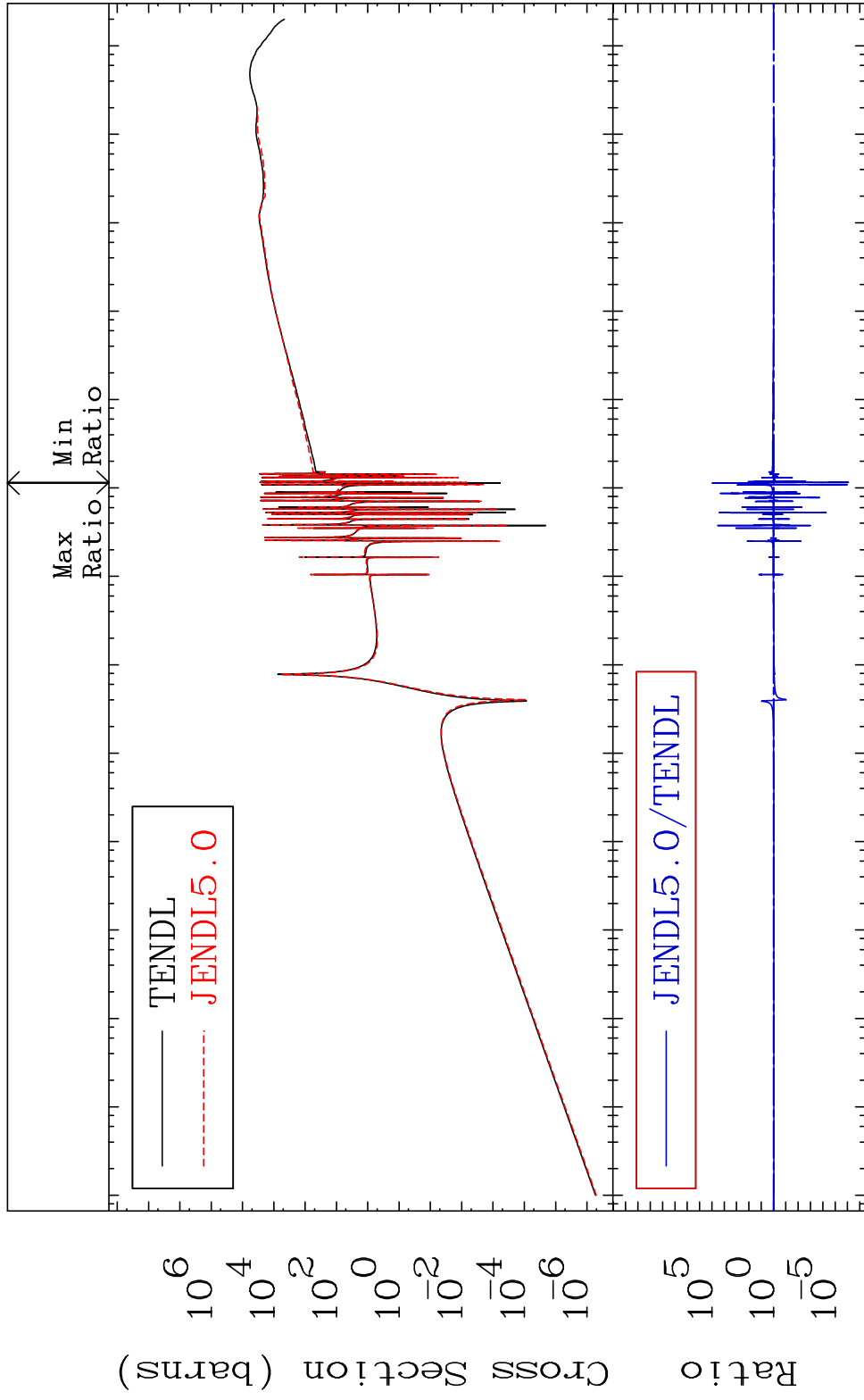


MAT 7237

Kerma elastic

72-Hf-178

Cross Section -100.0 To 9999. %

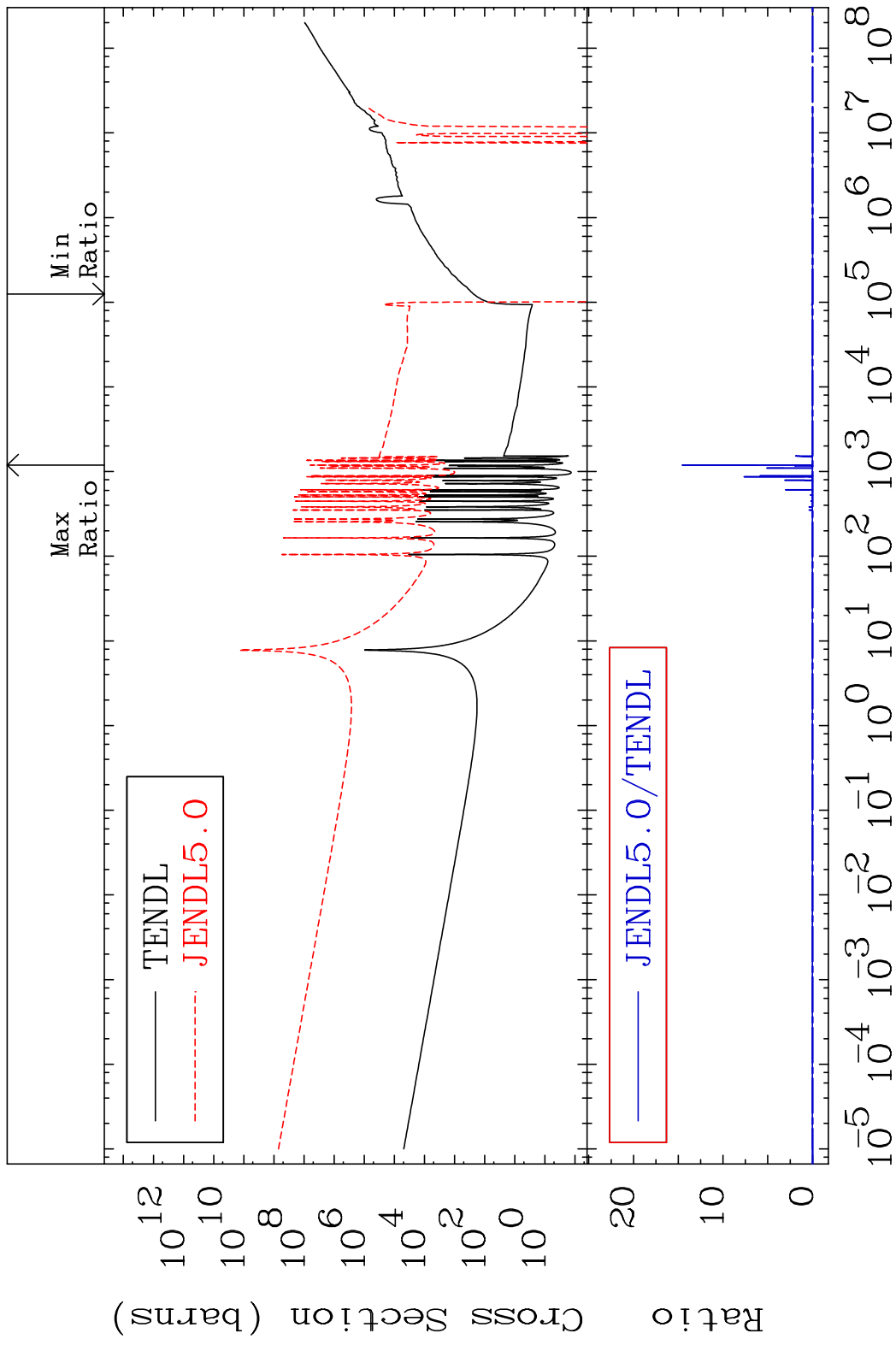


40

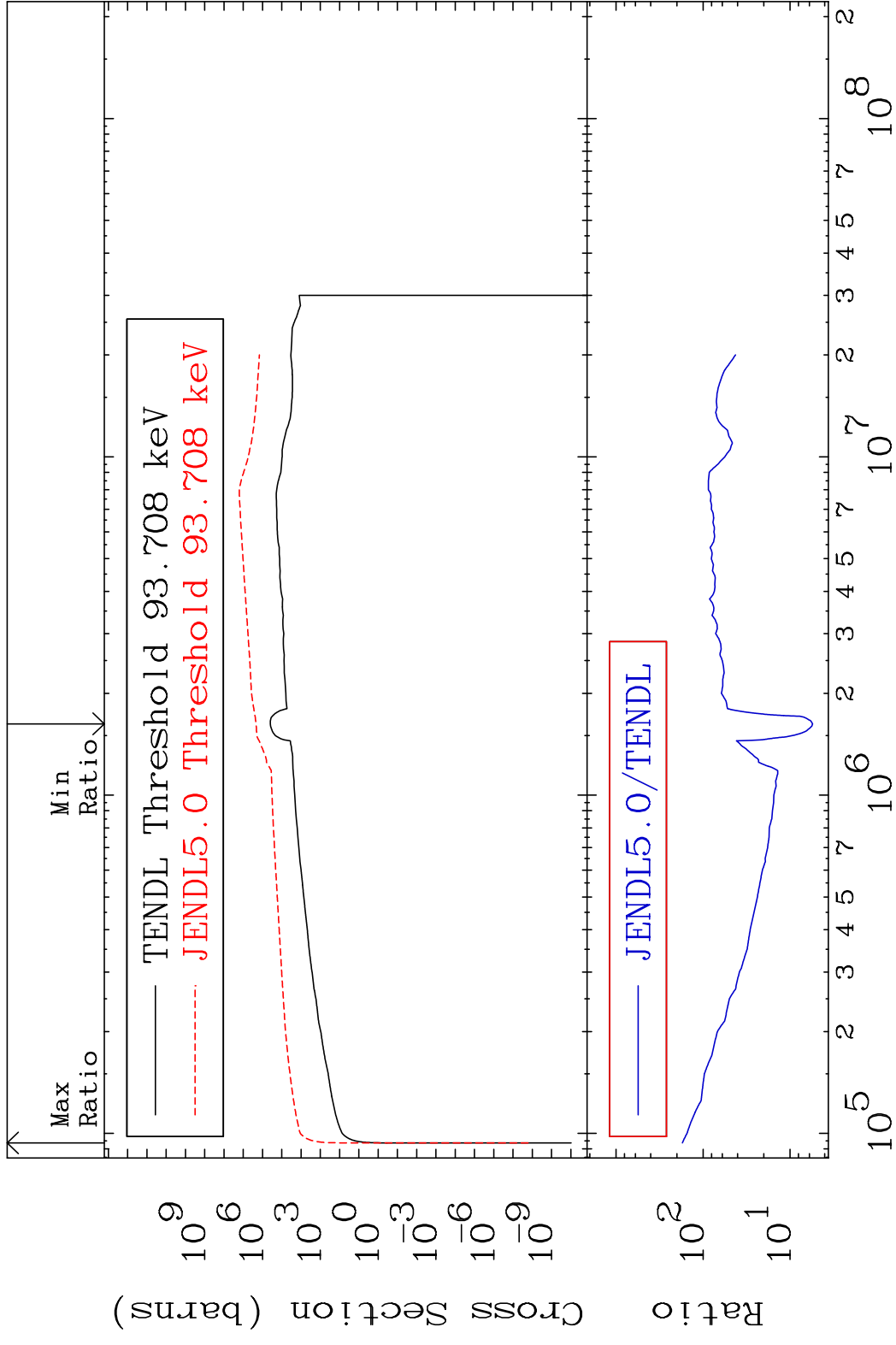
Incident Energy (eV)

72-Hf-178

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

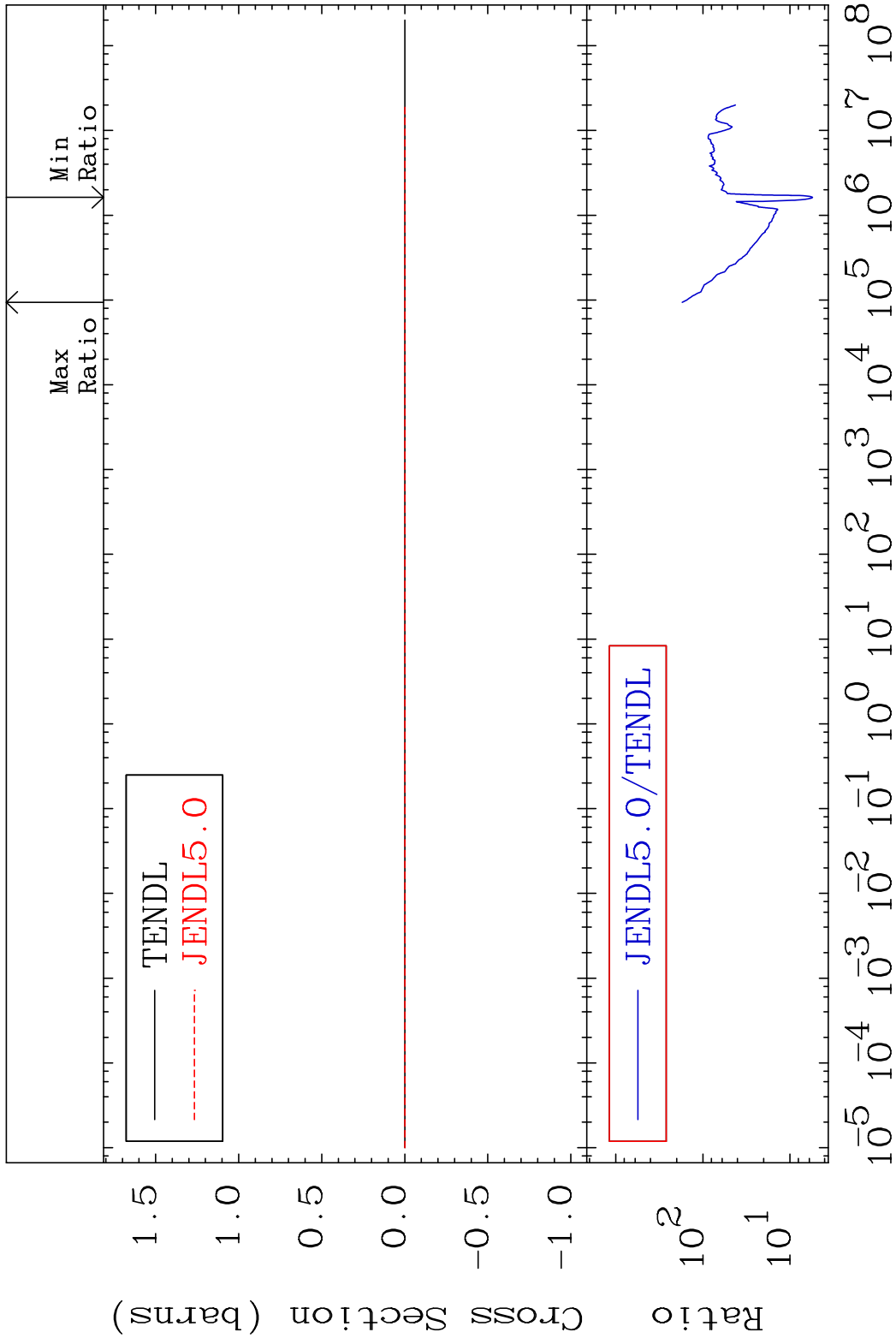


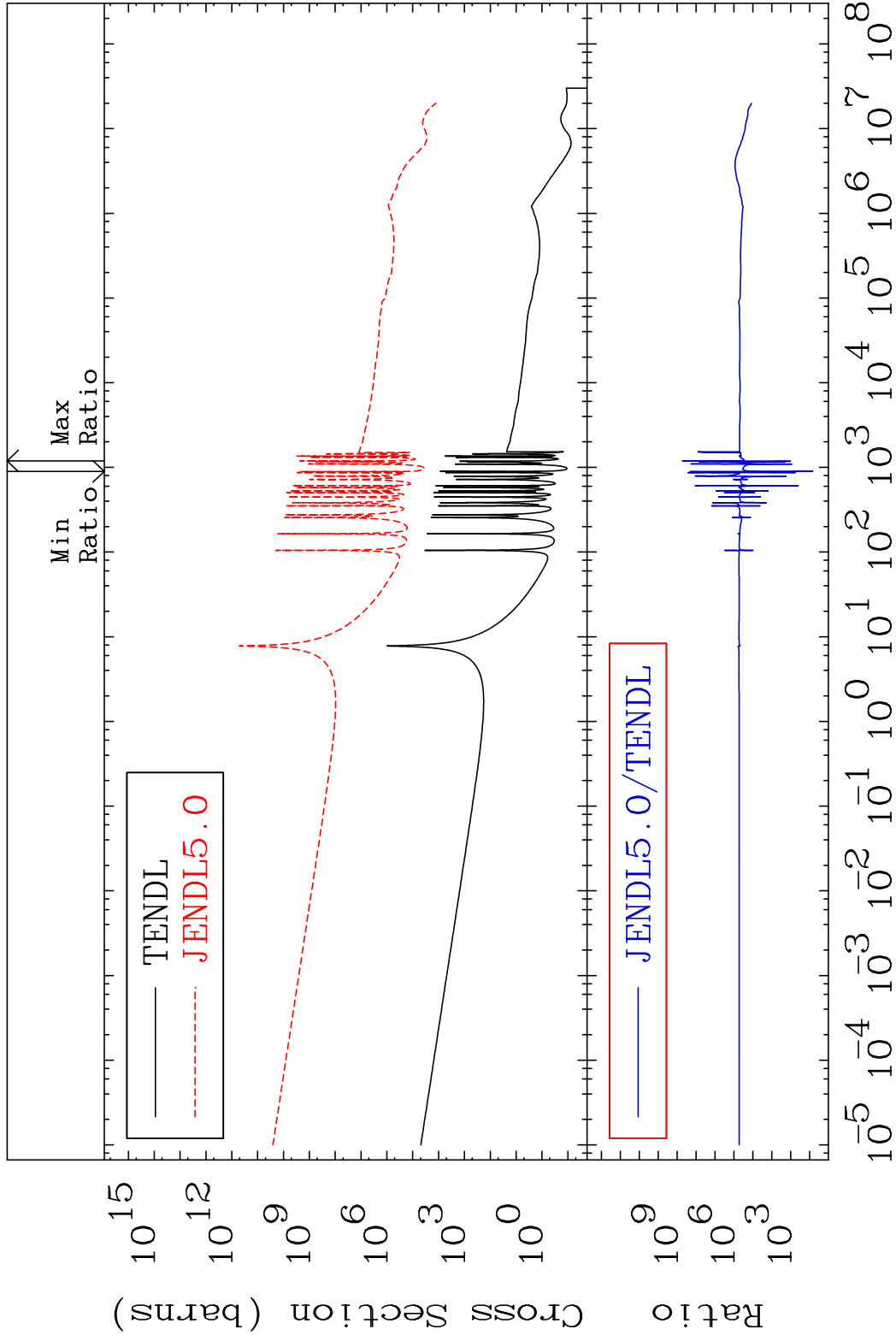
MAT 7237 Kerma inelastic (mt51-91) 72-Hf-178  
 Cross Section 451.0 To 9999. %



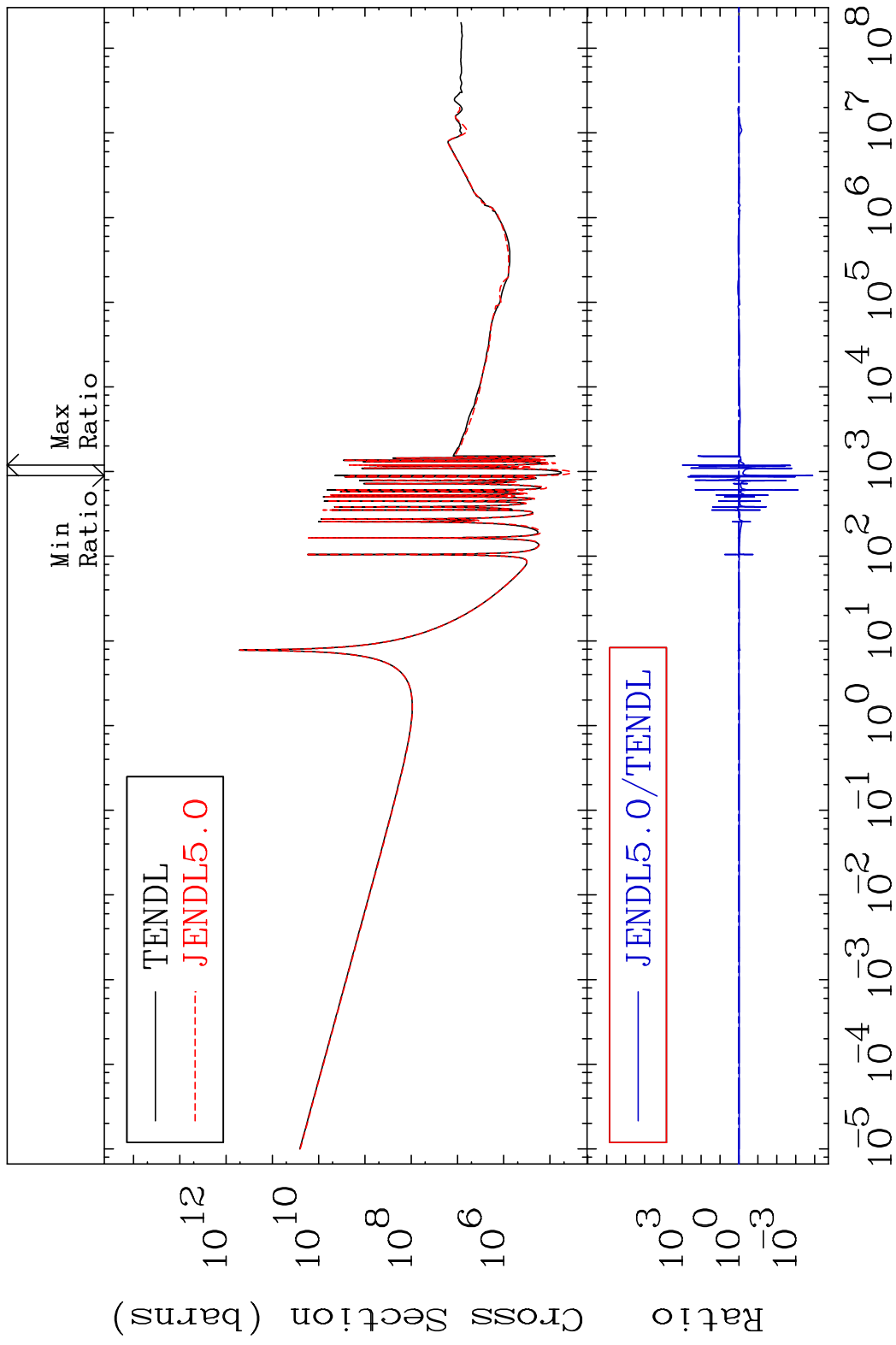
42 Incident Energy (eV) 72-Hf-178

MAT 7237 Kerma fission (mt18 or mt19-20-21-38) 72-Hf-178  
 Cross Section 451.0 To 9999. %

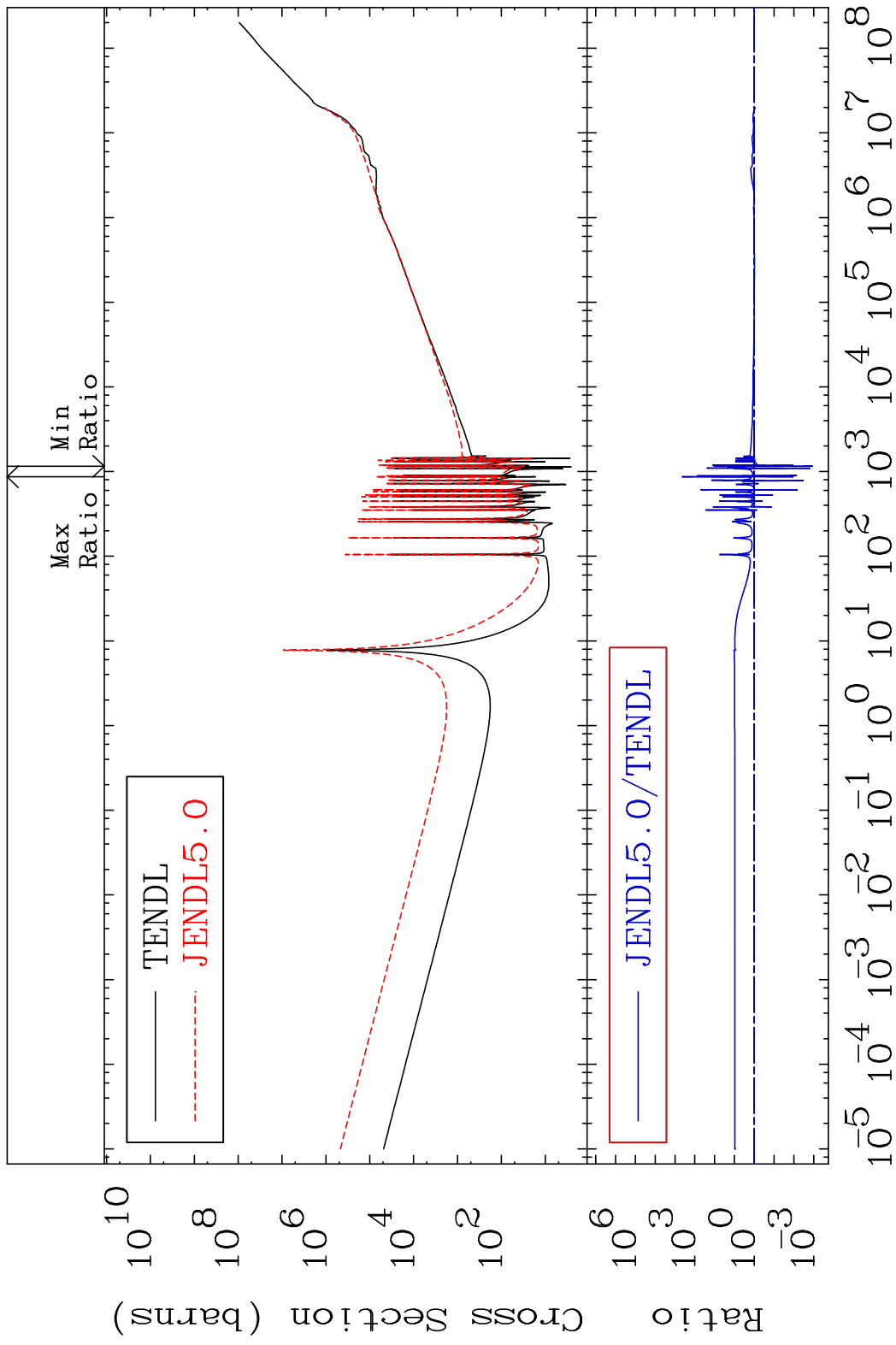




MAT 7237 Total photon (eV-barns) 72-Hf-178  
 Cross Section -99.99 To 9999. %



MAT 7237 Total kinematic kerma (high limit) 72-Hf-178  
 Cross Section -99.88 To 9999. %

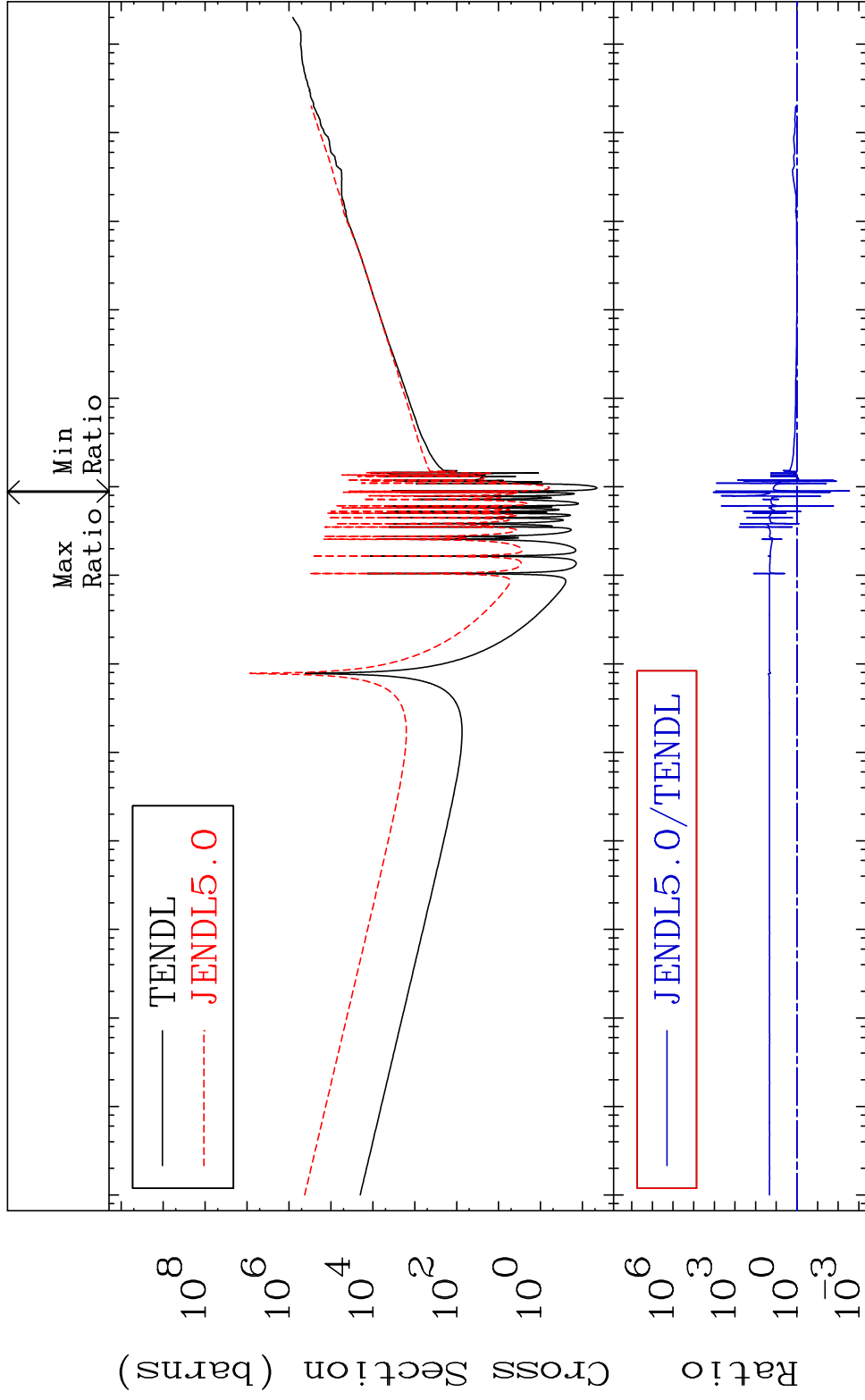


MAT 7237

Dpa total (eV-barns)

72-Hf-178

Cross Section -99.71 To 9999. %



47

Incident Energy (eV)

72-Hf-178

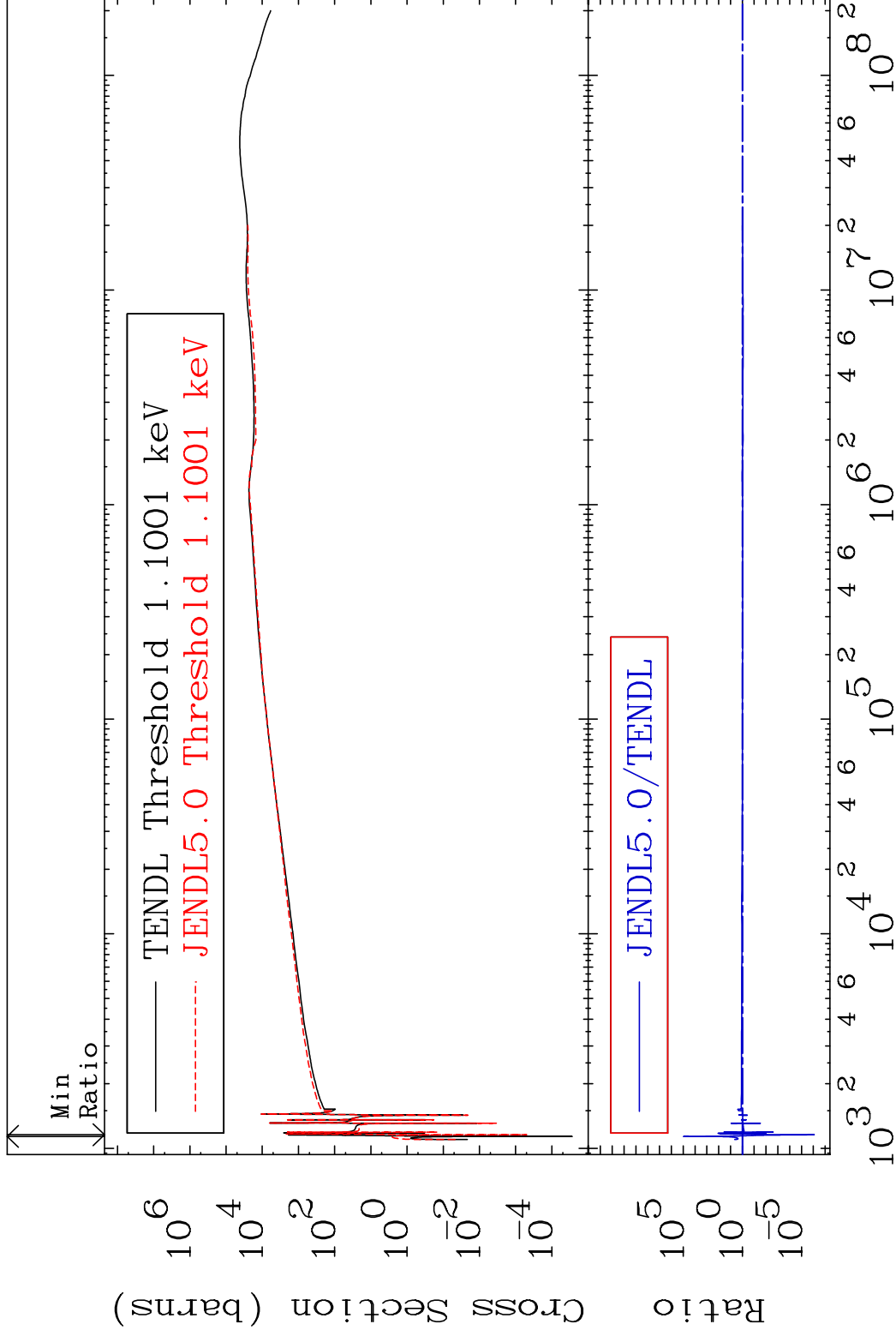


MAT 7237

Dpa elastic (mt2)

72-Hf-178

Cross Section -100.0 To 9999. %

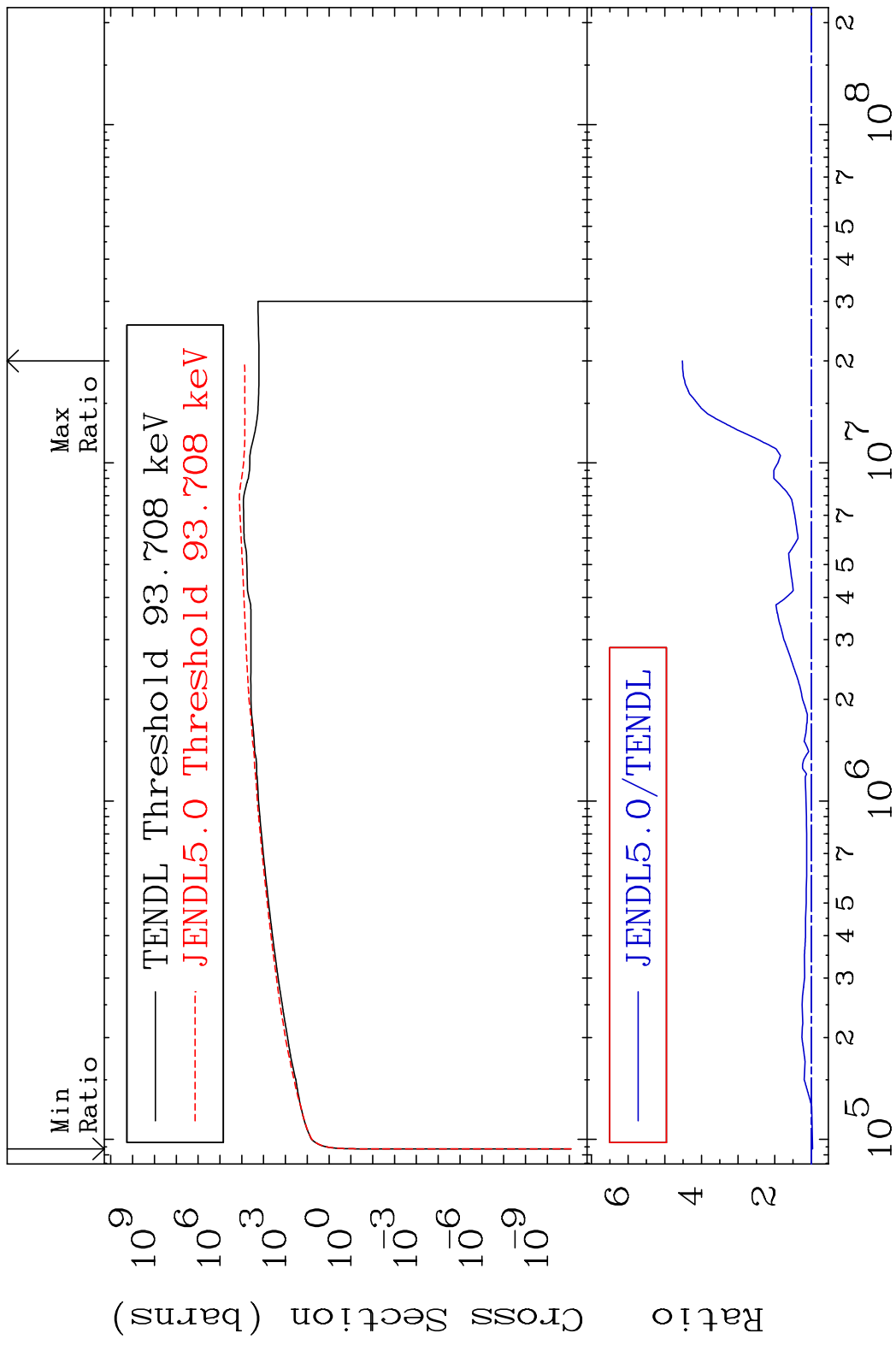


48

Incident Energy (eV)

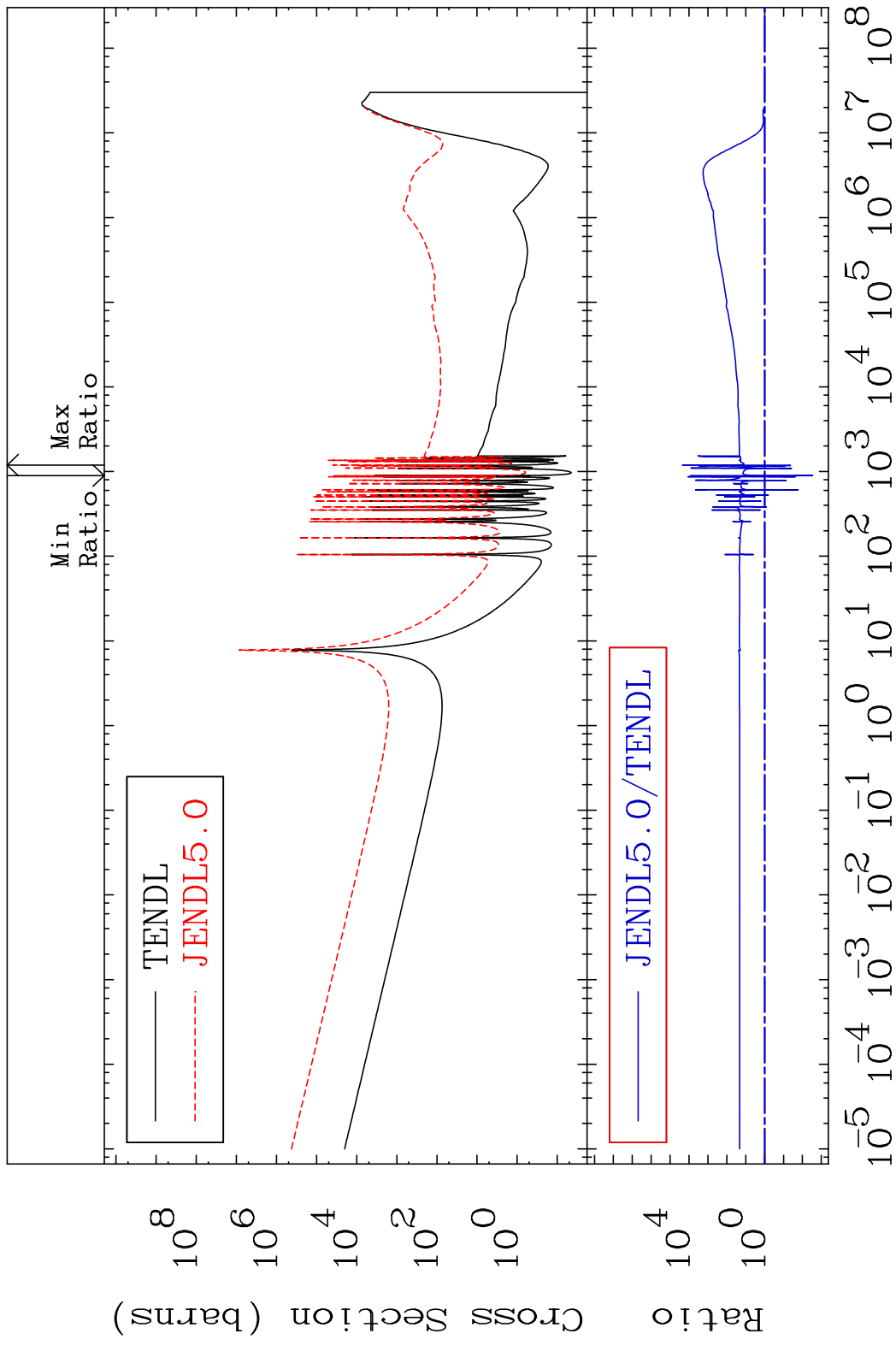
72-Hf-178

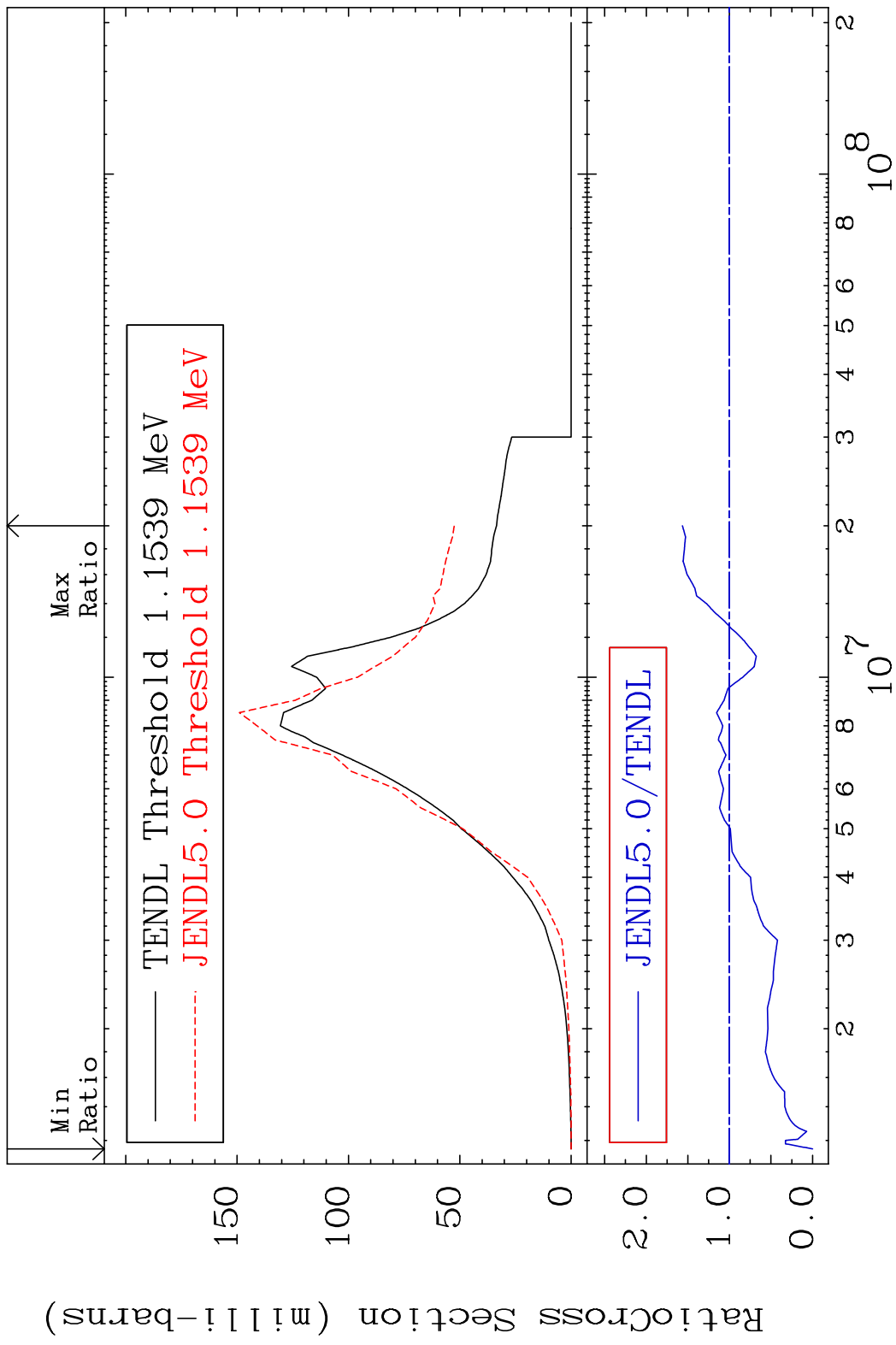
MAT 7237 Dpa inelastic (mt51-91) 72-Hf-178  
Cross Section -3.094 To 352.0 %

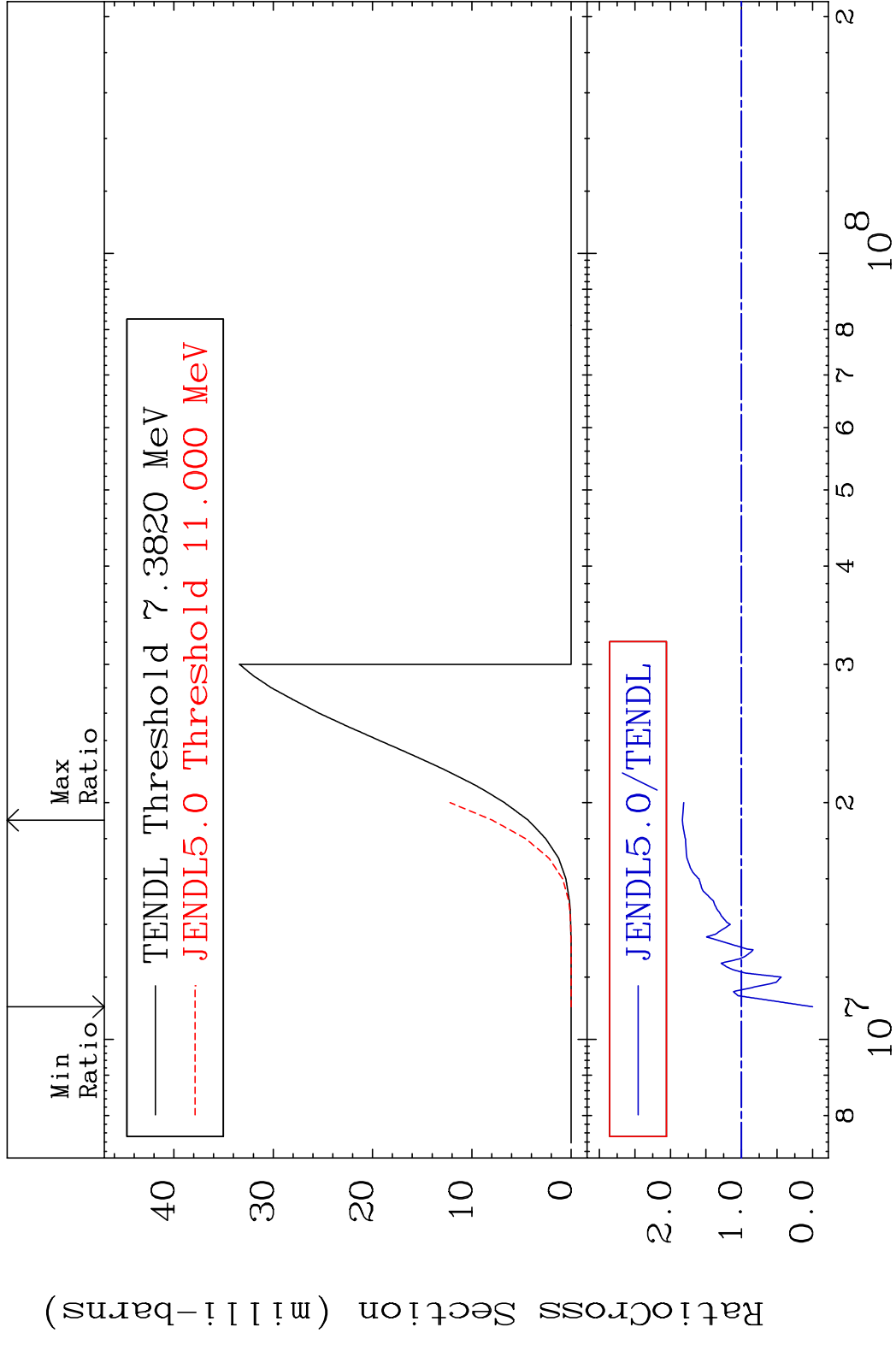


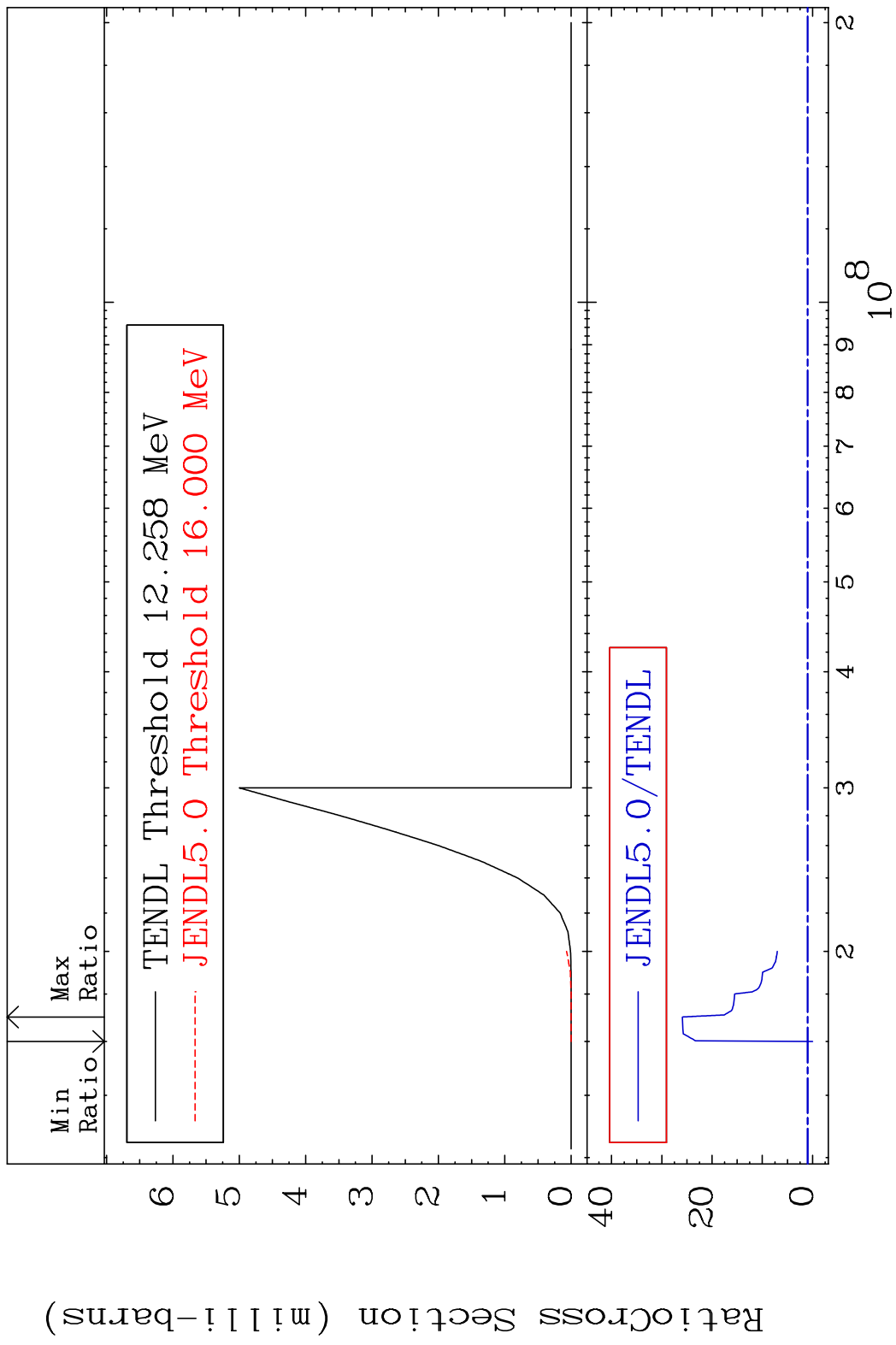
49 Incident Energy (eV) 72-Hf-178

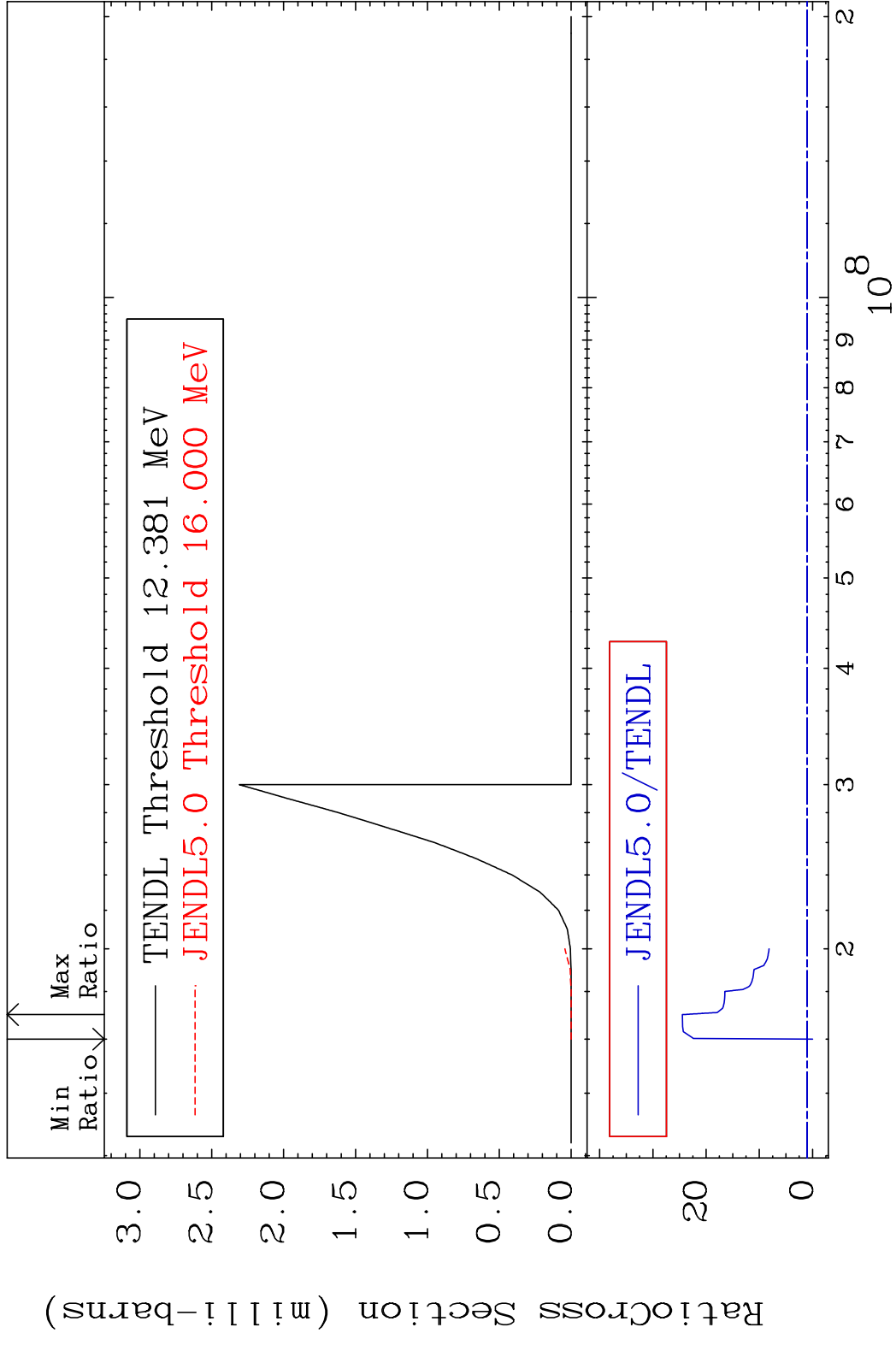
MAT 7237 Dpa disappearance (mt102 -120) 72-Hf-178  
 Cross Section -99.71 To 9999. %

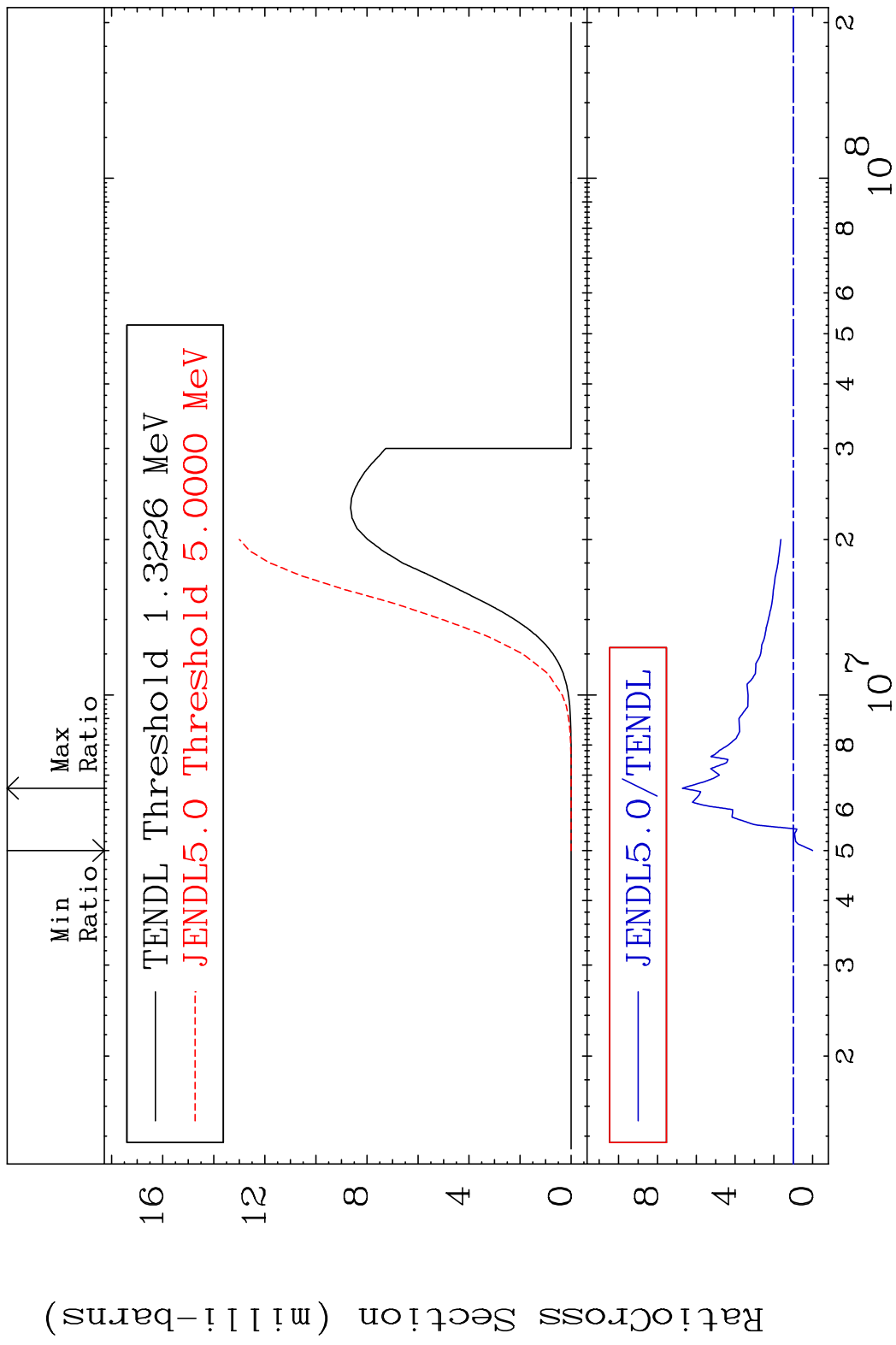




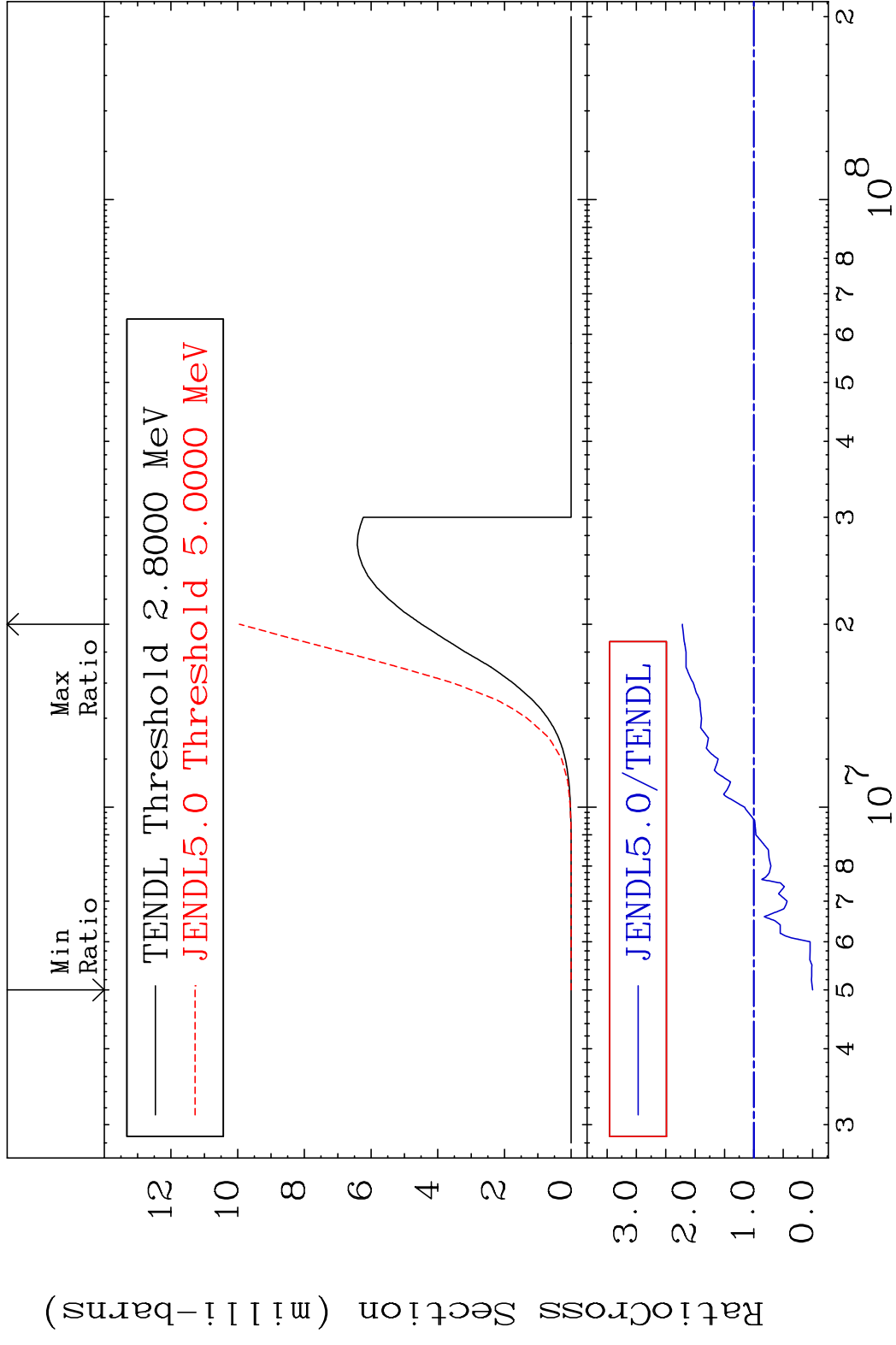




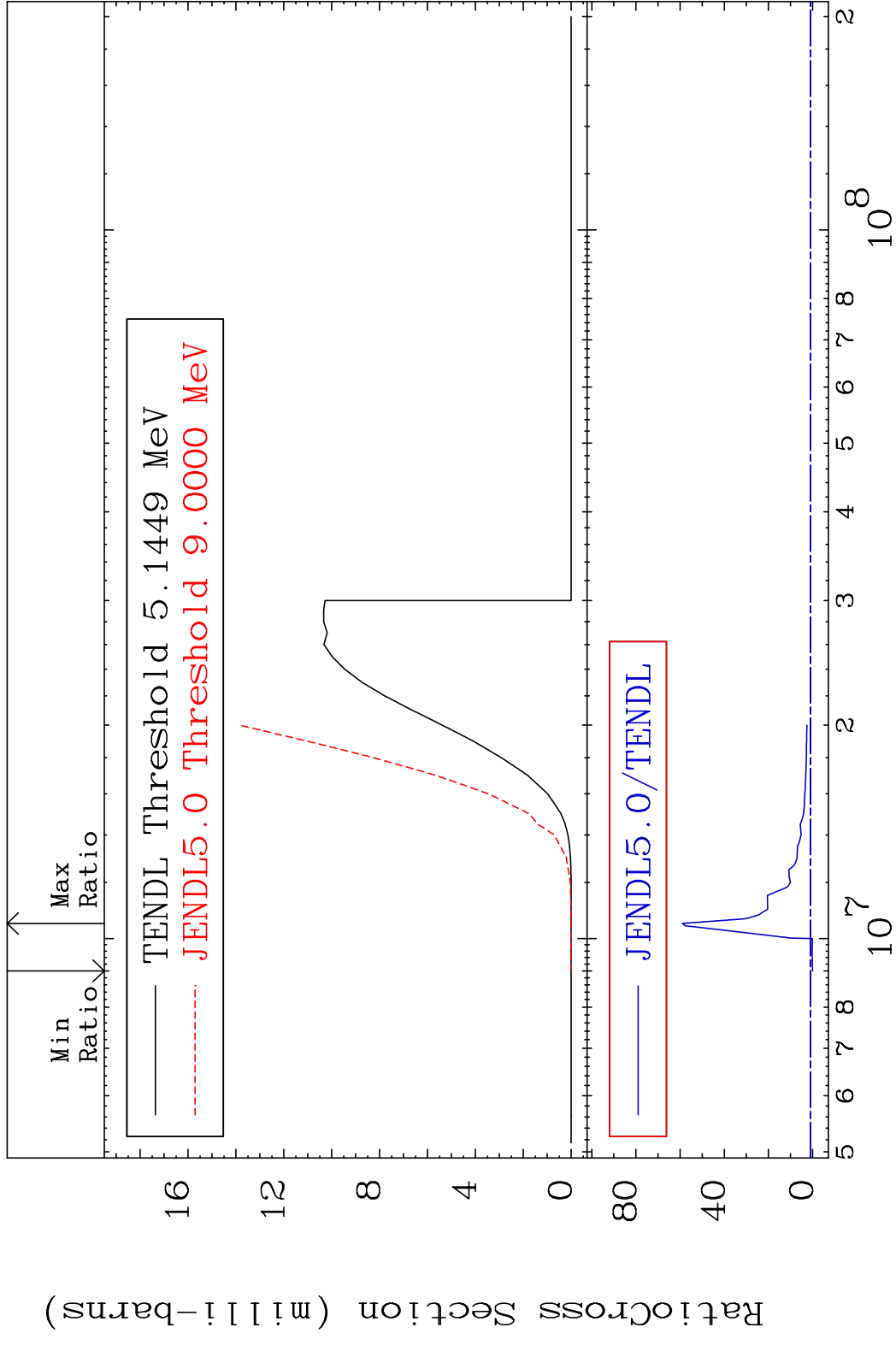


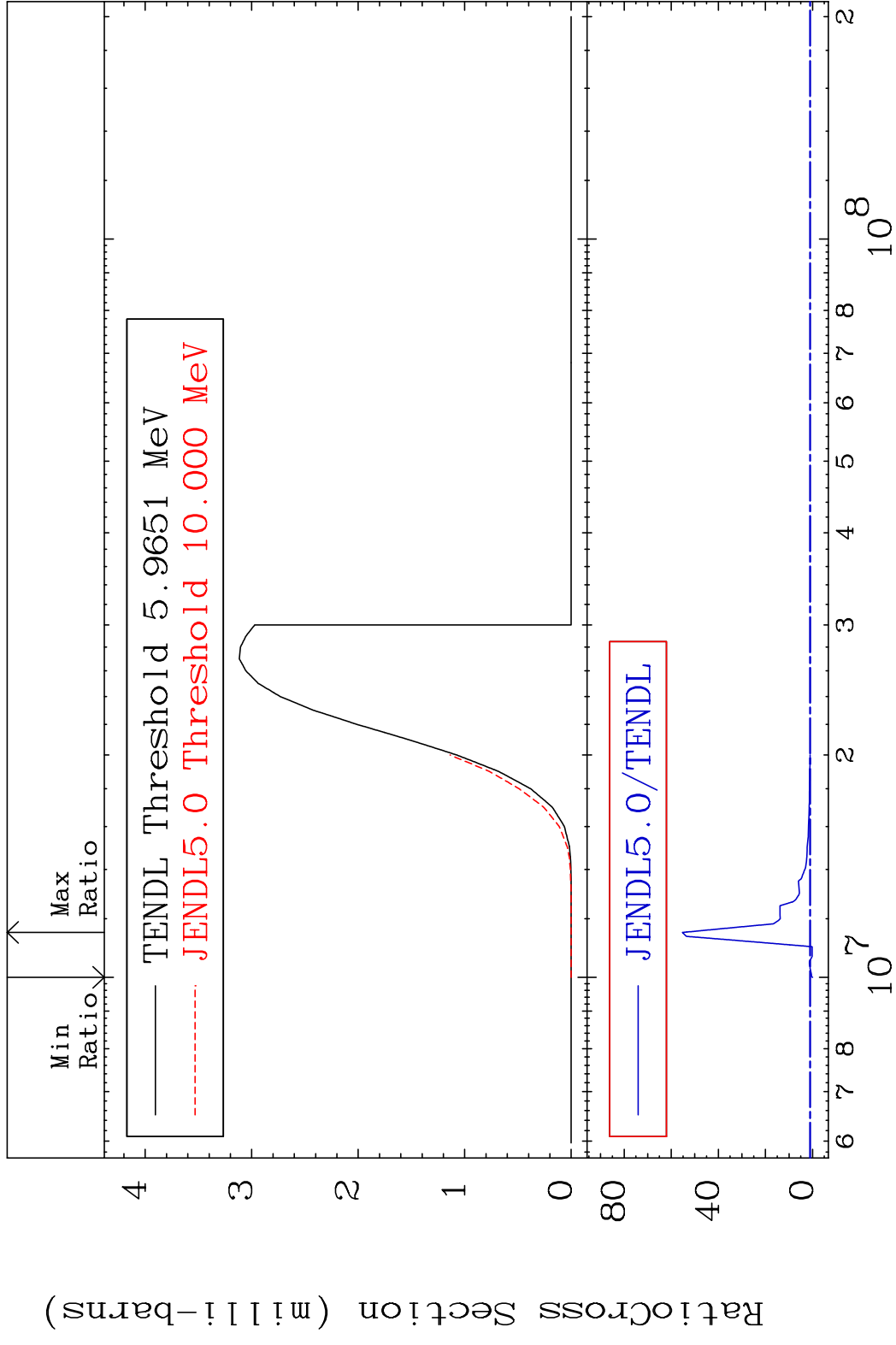




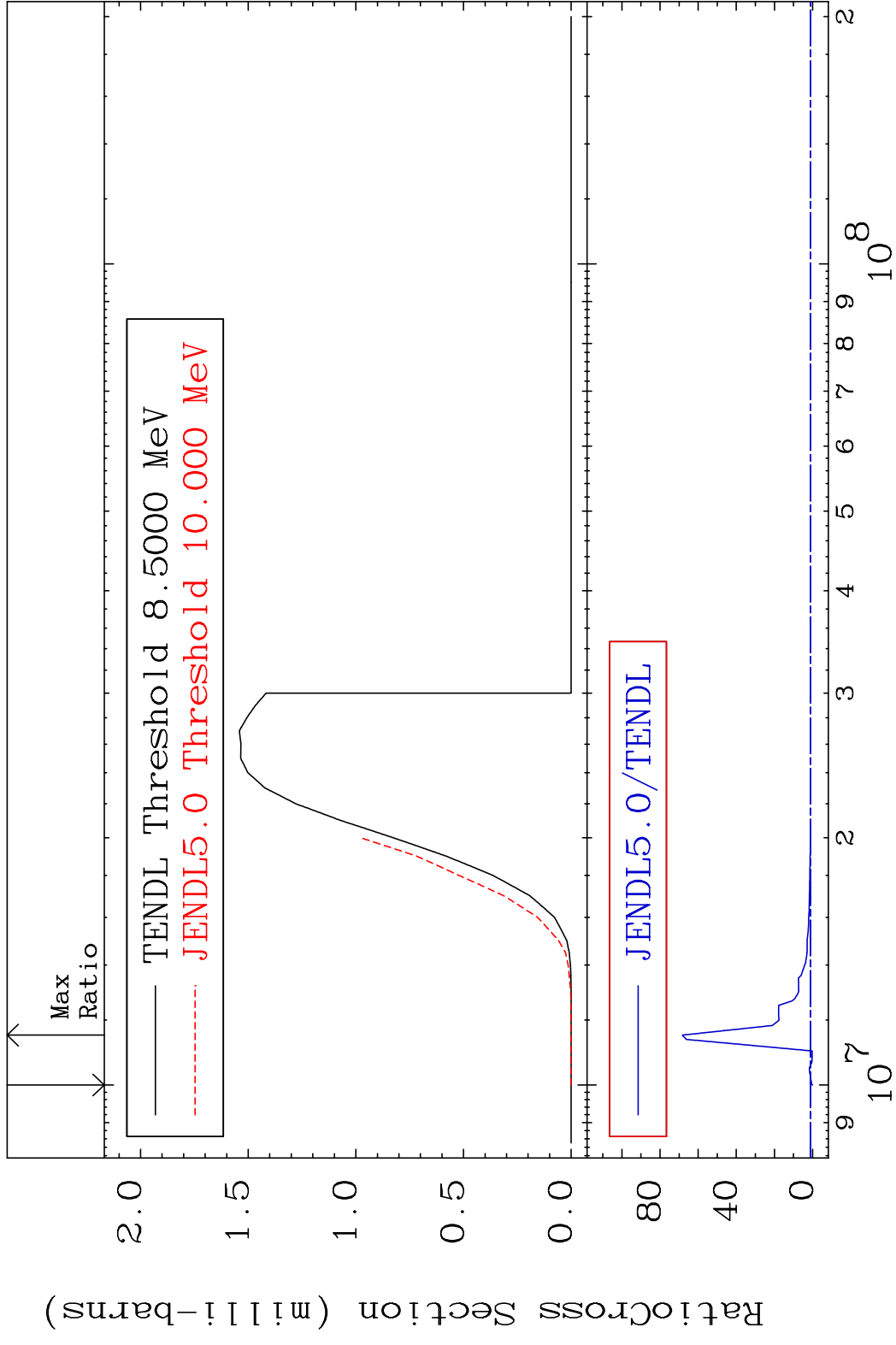


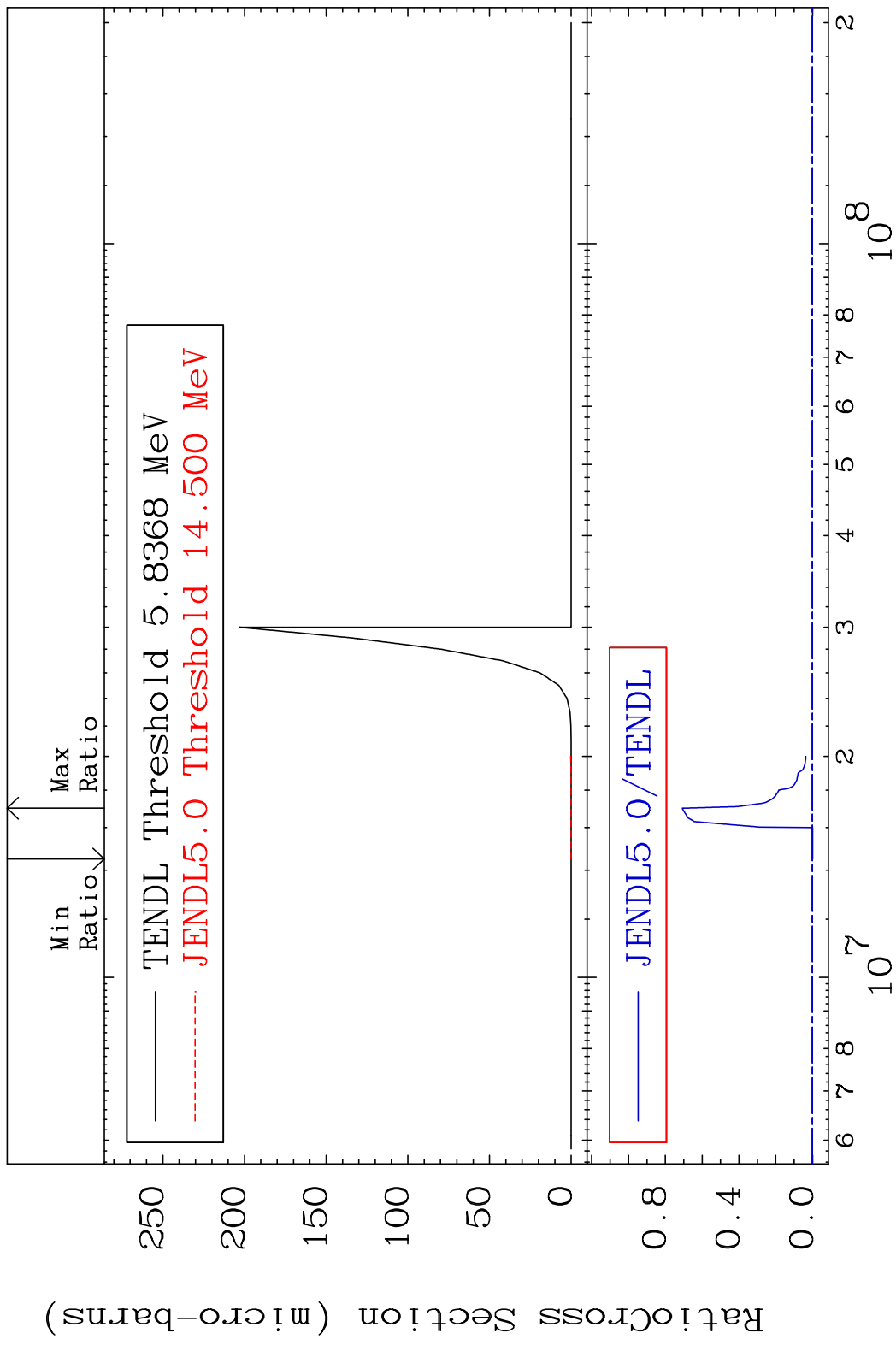
MAT 7237 (n,d):71-Lu-177g 72-Hf-178  
 Radionuclide Production Cross Section 180.01 dth 5797. %

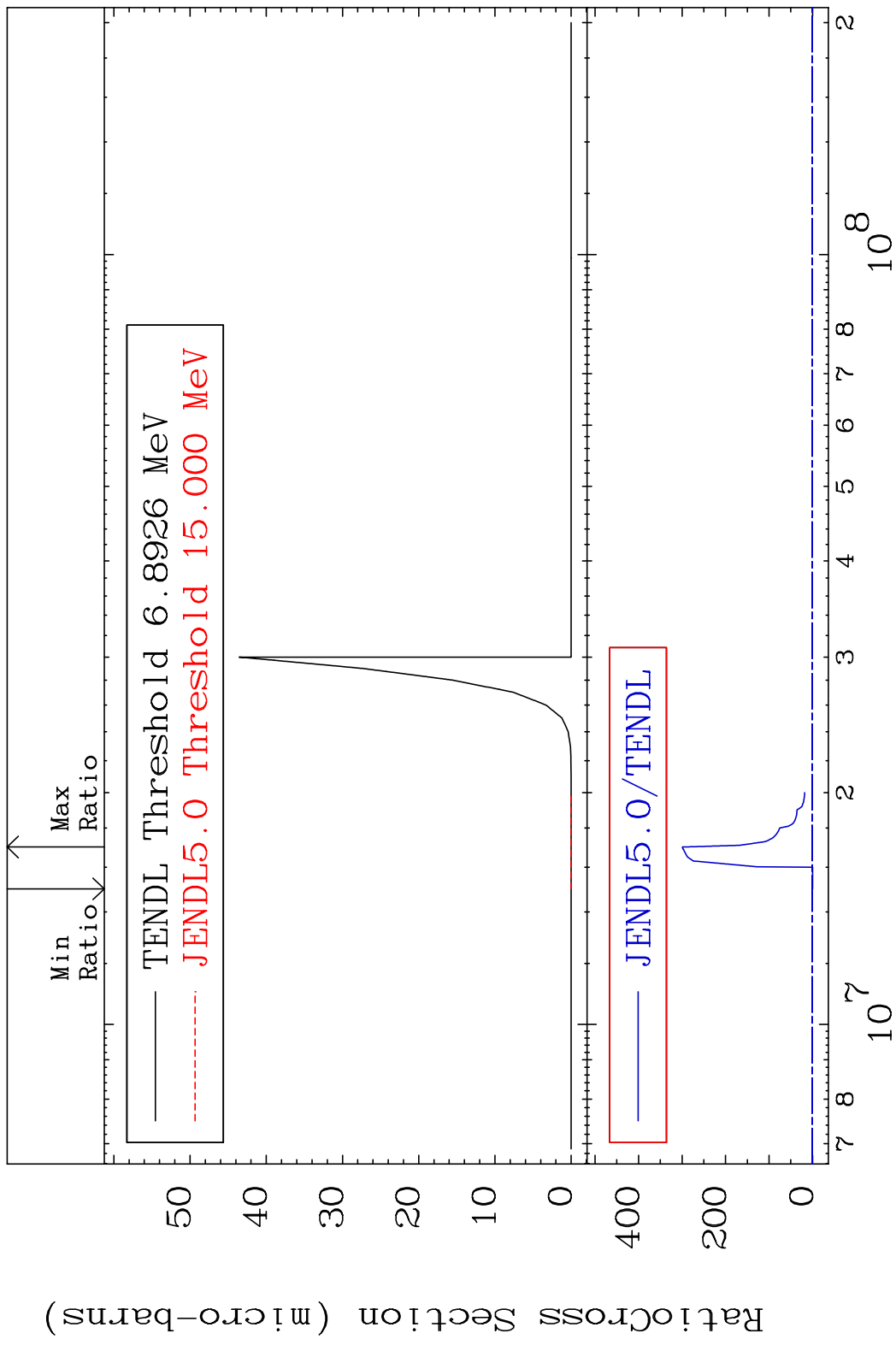


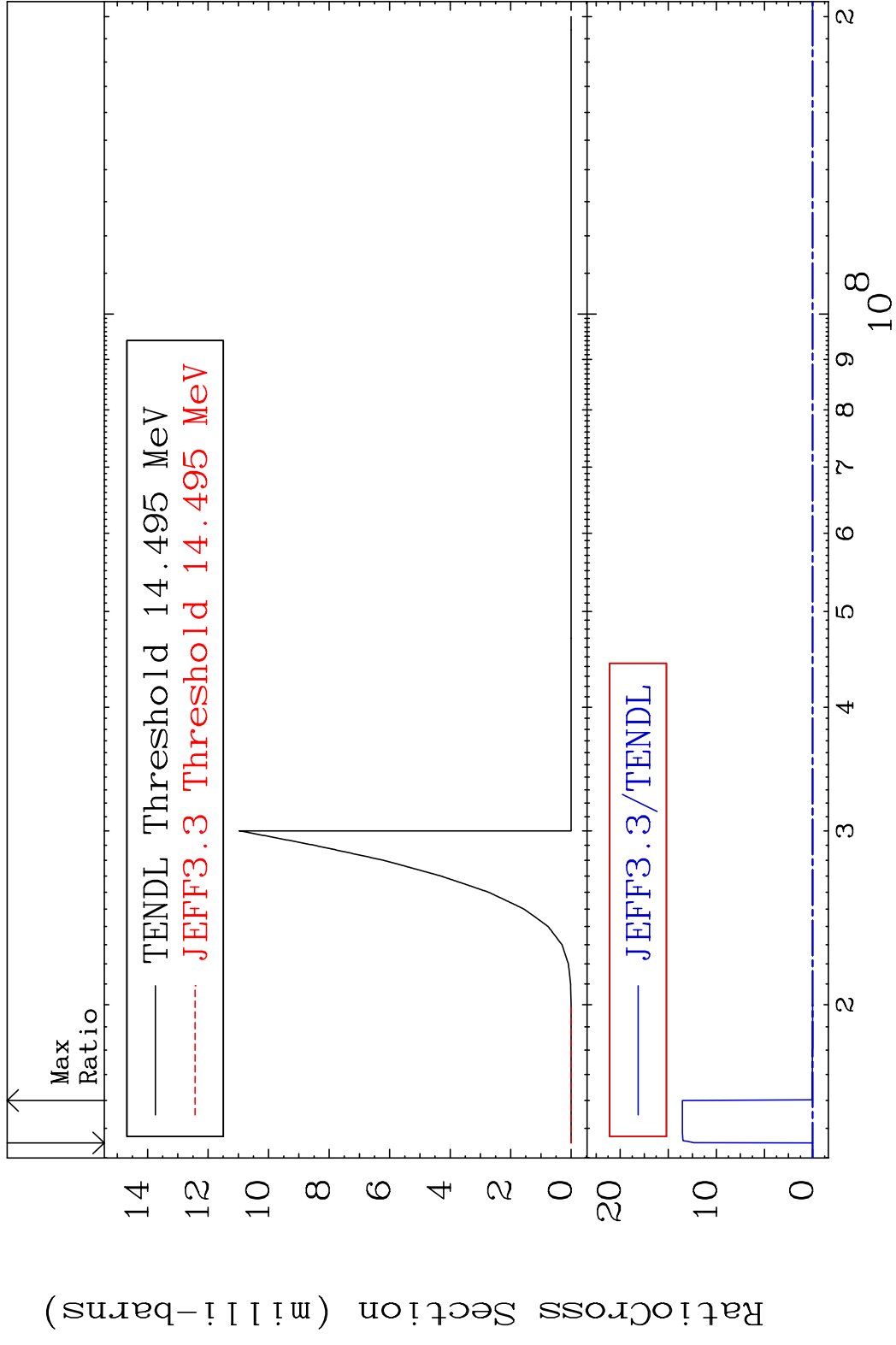


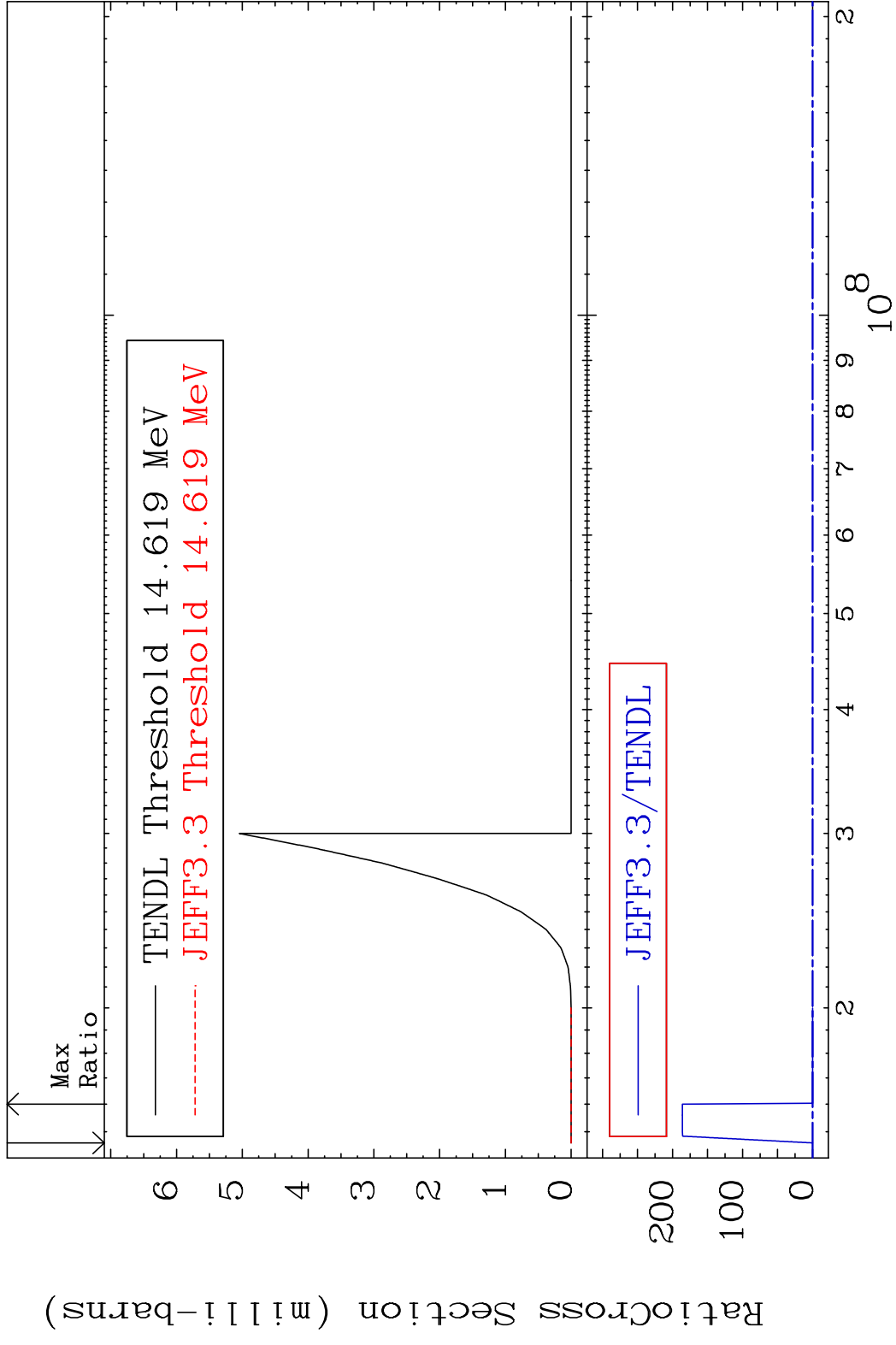
MAT 7237 (n, t): 71-Lu-176m1 72-Hf-178  
 Radionuclide Production Cross Section 180.01 dth 6730. %



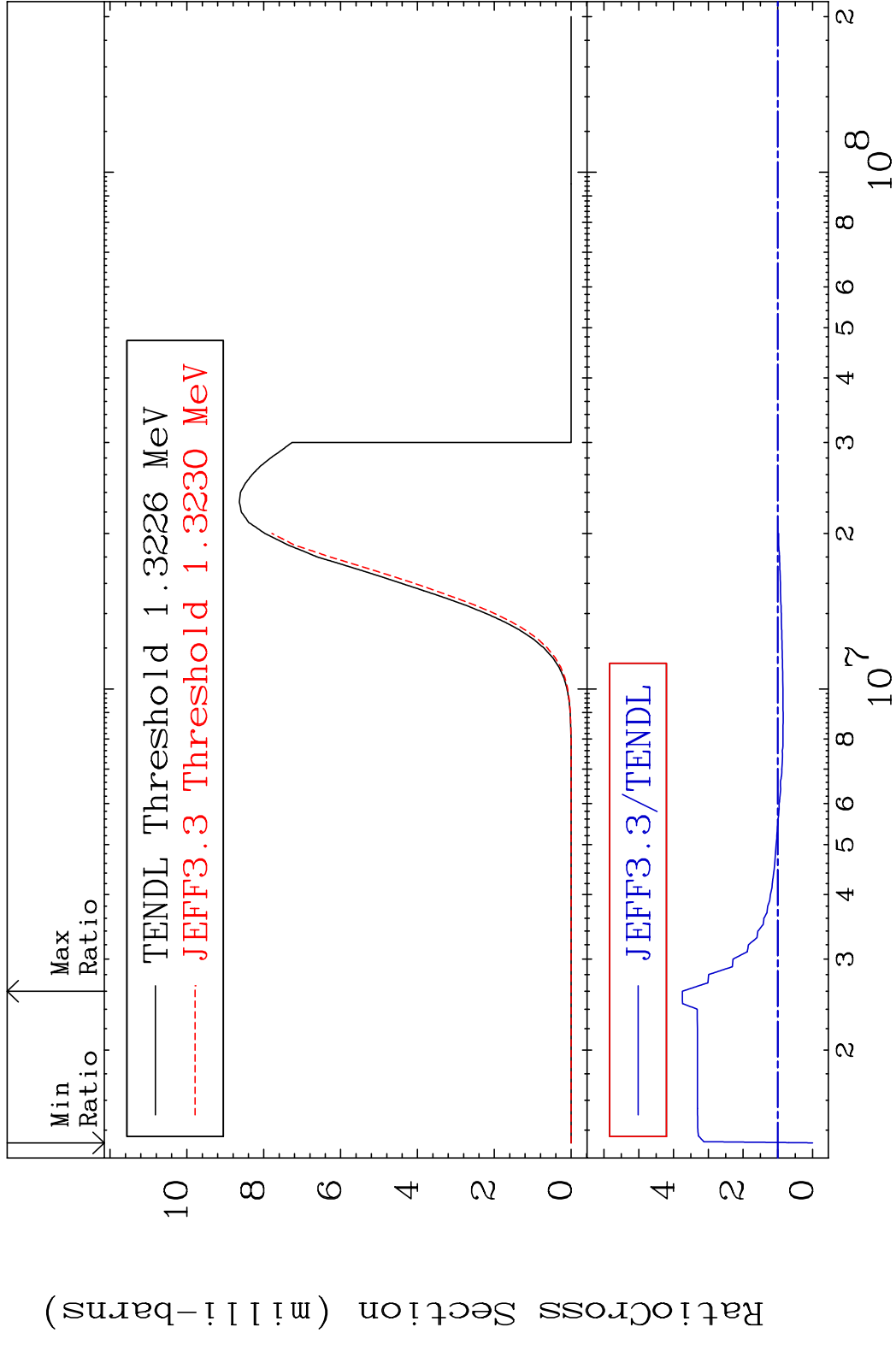


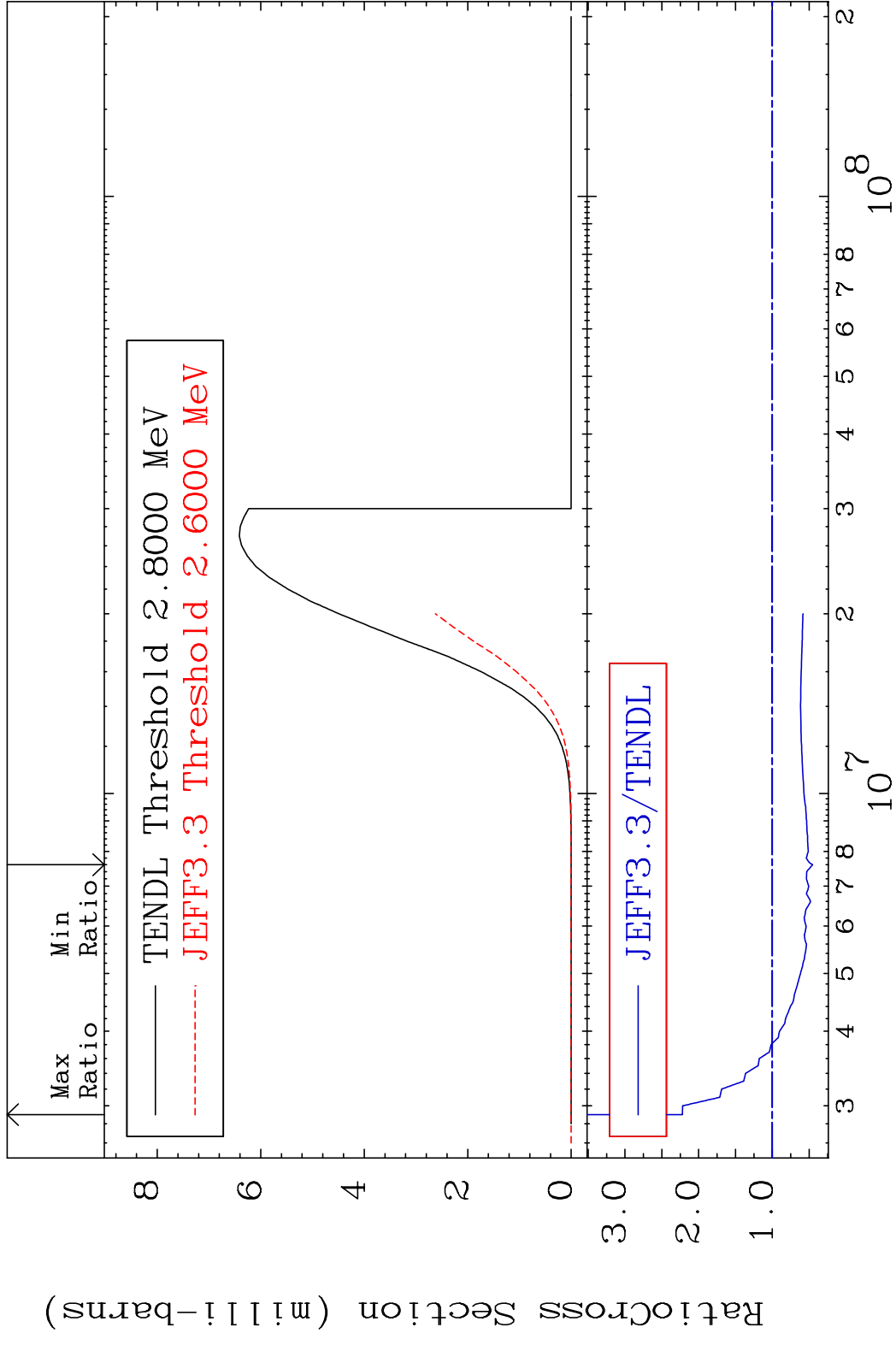




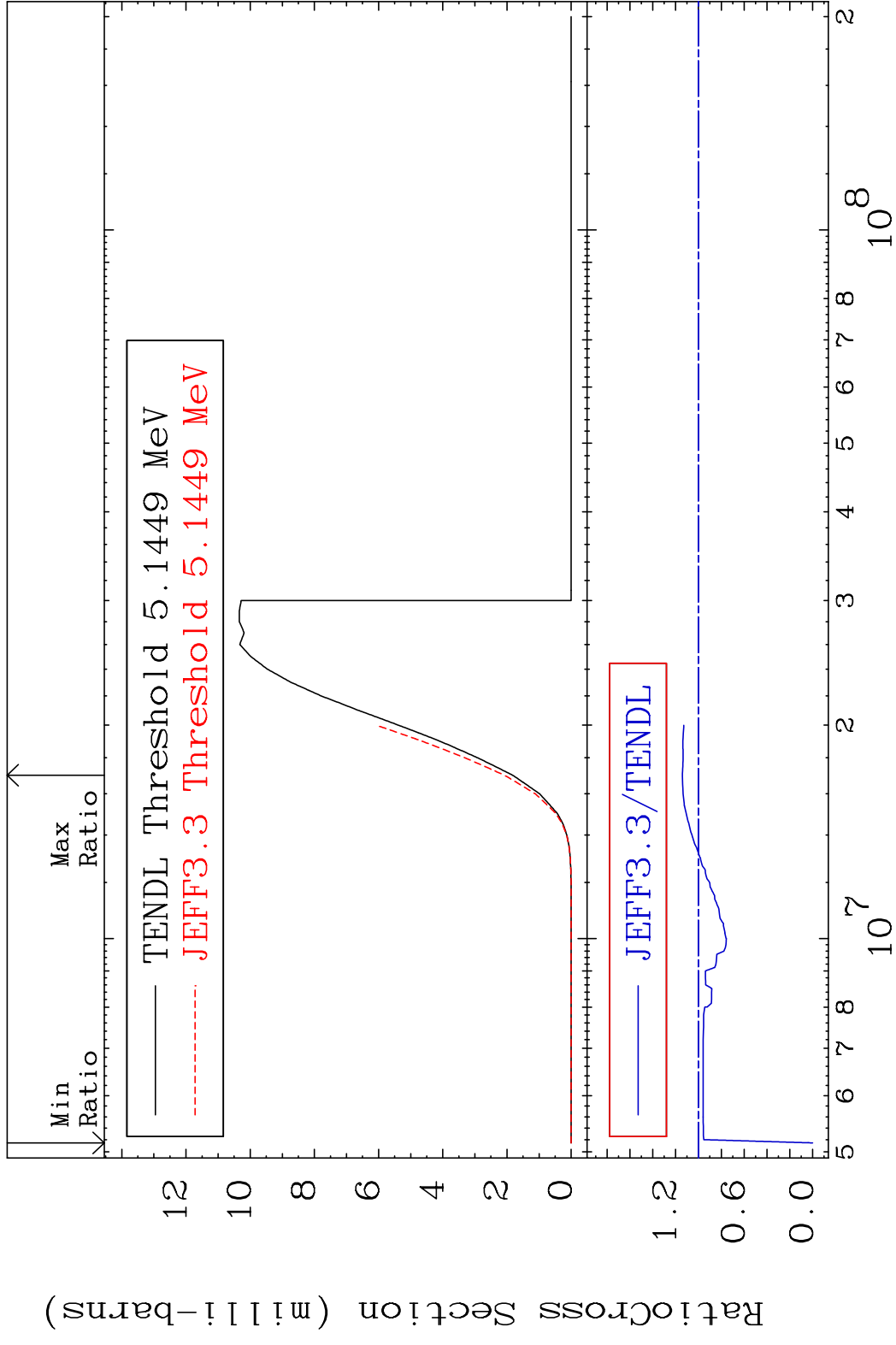








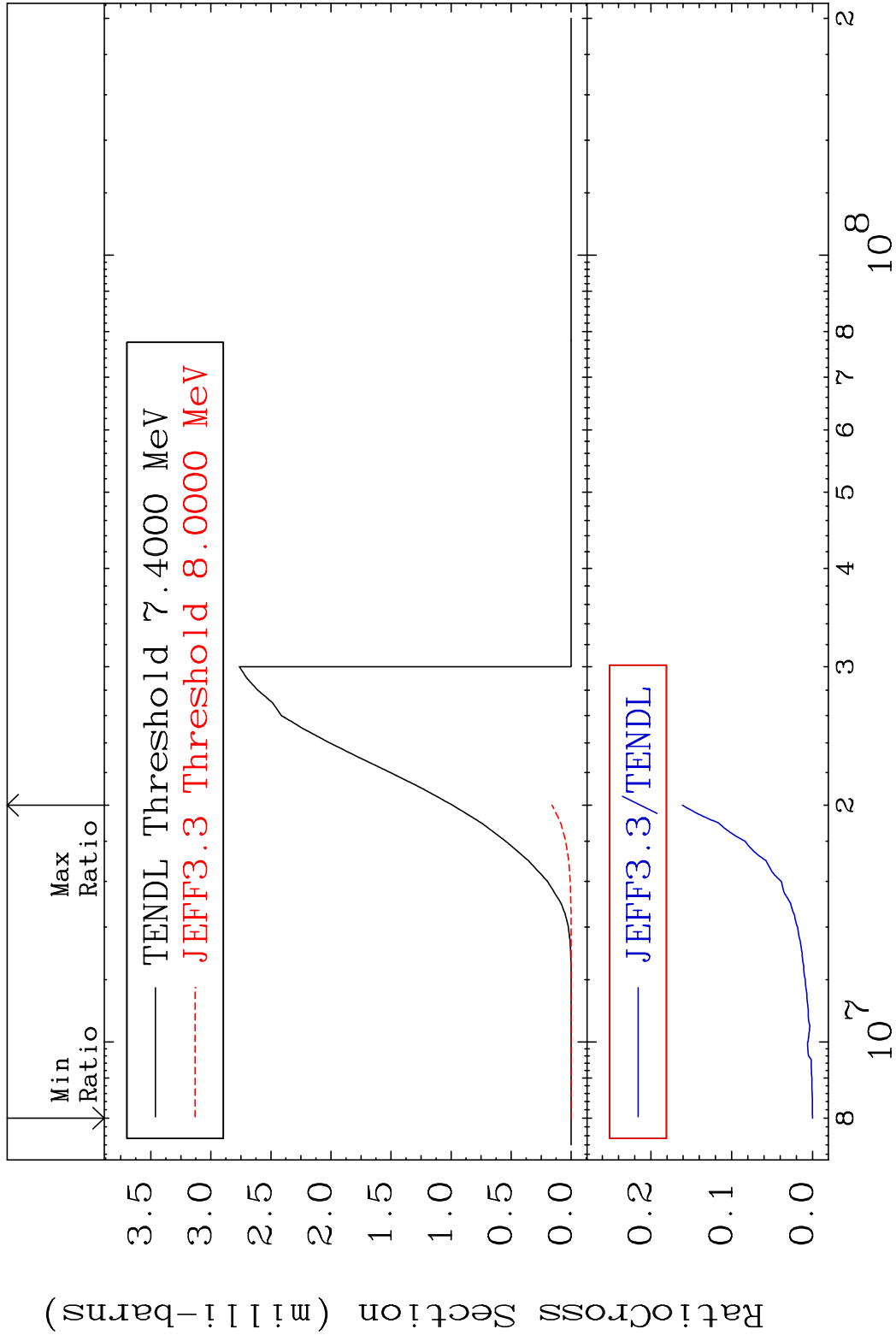
MAT 7237 (n,d):71-Lu-177g 72-Hf-178  
 Radionuclide Production Cross Section 18.00 mb 14.11 %

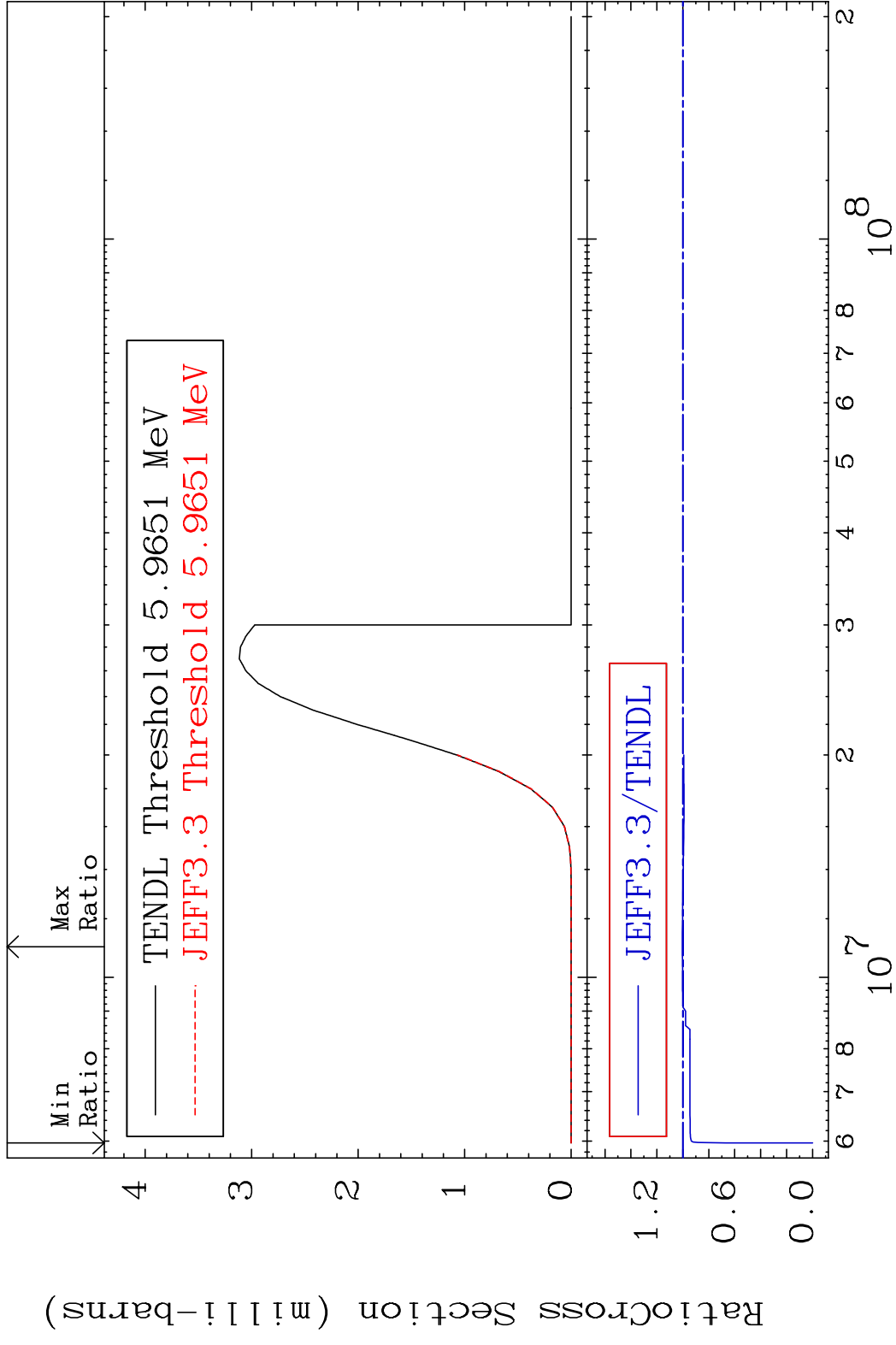


Radionuclide Production Cross Section

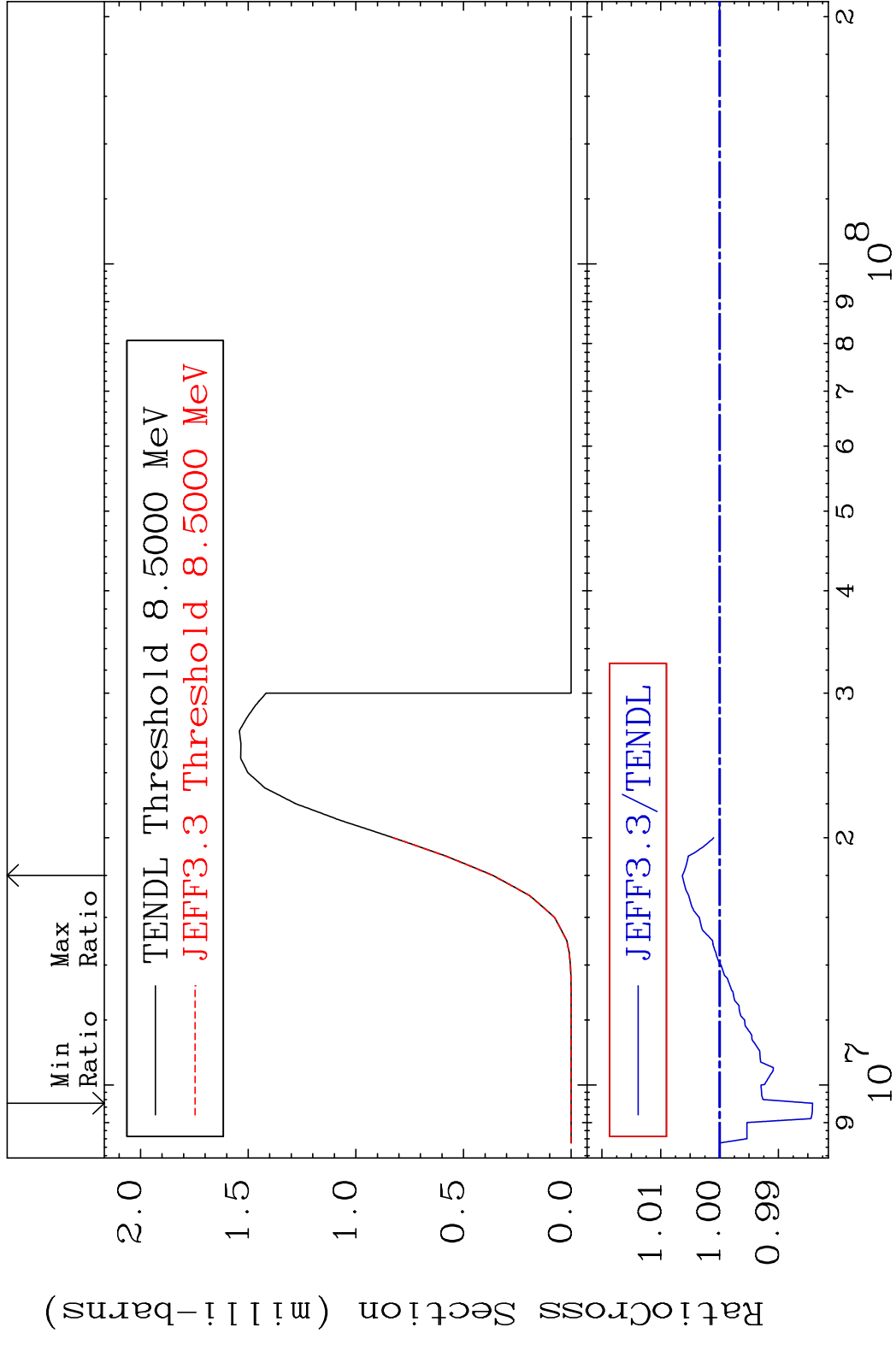
18000 b

-83.90%

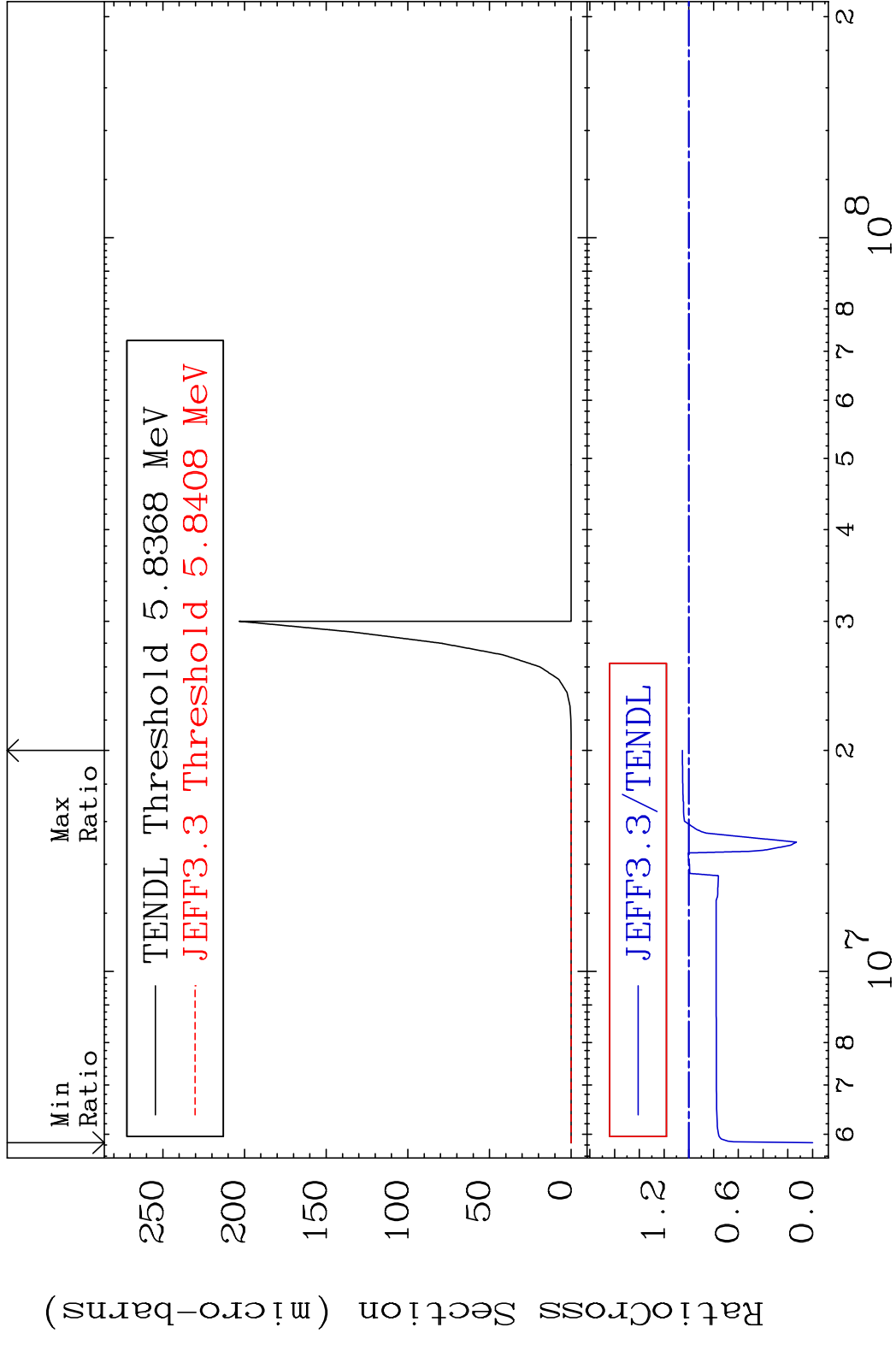




MAT 7237 (n, t): 71-Lu-176m1 72-Hf-178  
 Radionuclide Production Cross Section 0.634 %



MAT 7237 (n, He-3) : 70-Yb-176g 72-Hf-178  
 Radionuclide Production Cross Section Ratio 5.238 %



70 Incident Energy (eV) 72-Hf-178

