

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

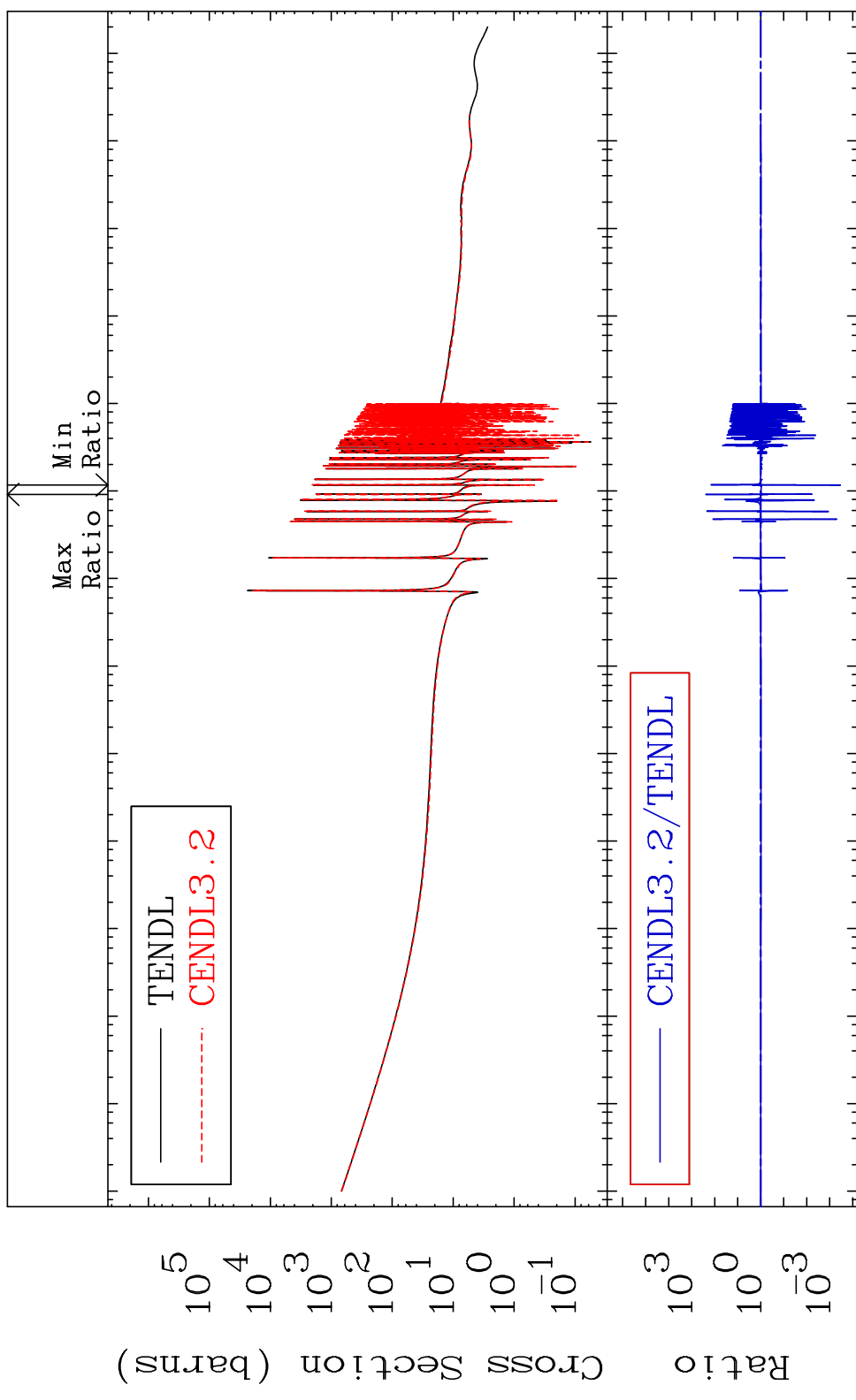
MAT 7243

Total

72-Hf-180

Cross Section

-99.97 To 9999. %



1

Incident Energy (eV)

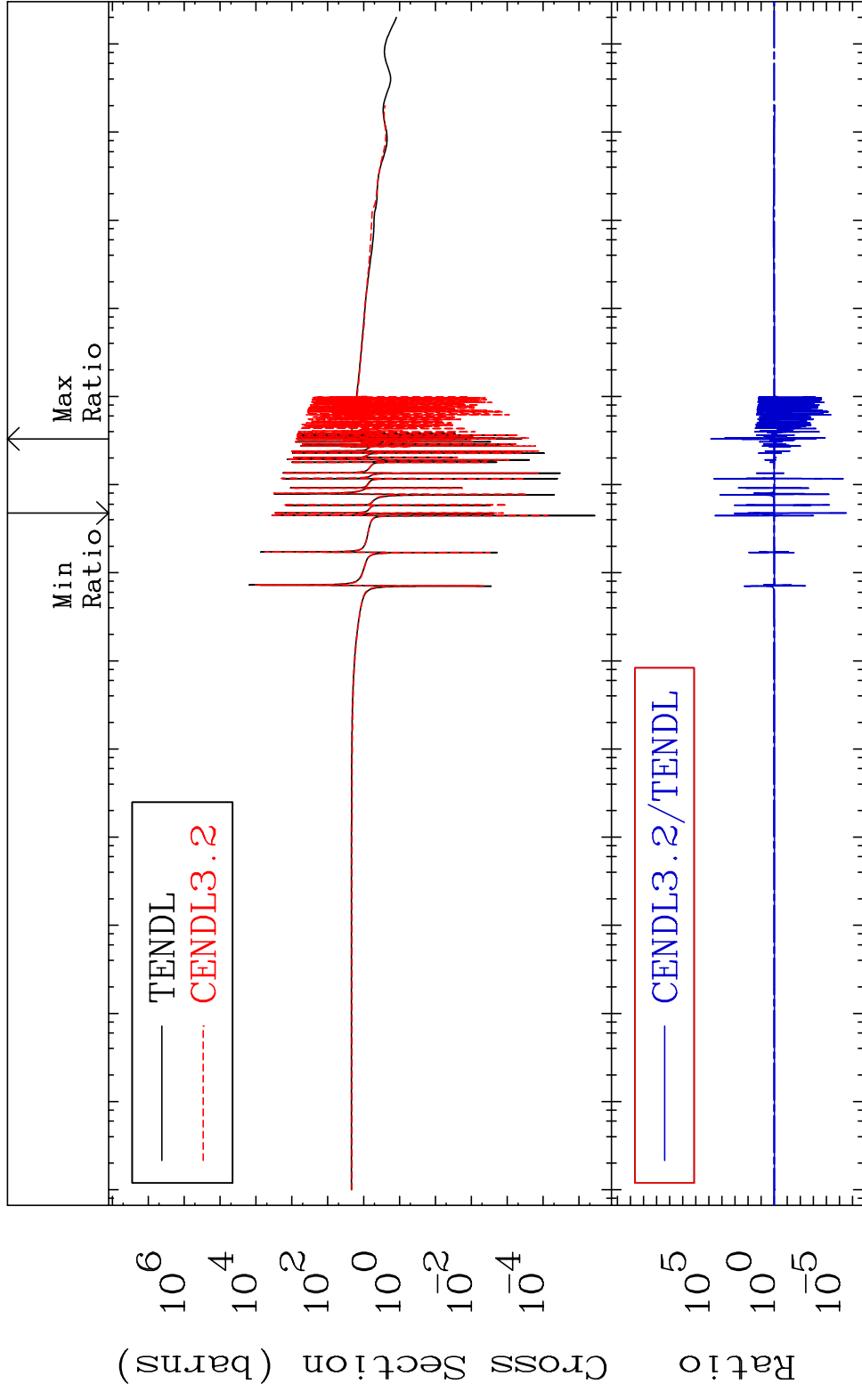
72-Hf-180

MAT 7243

Elastic

72-Hf-180

Cross Section -100.0 To 9999. %

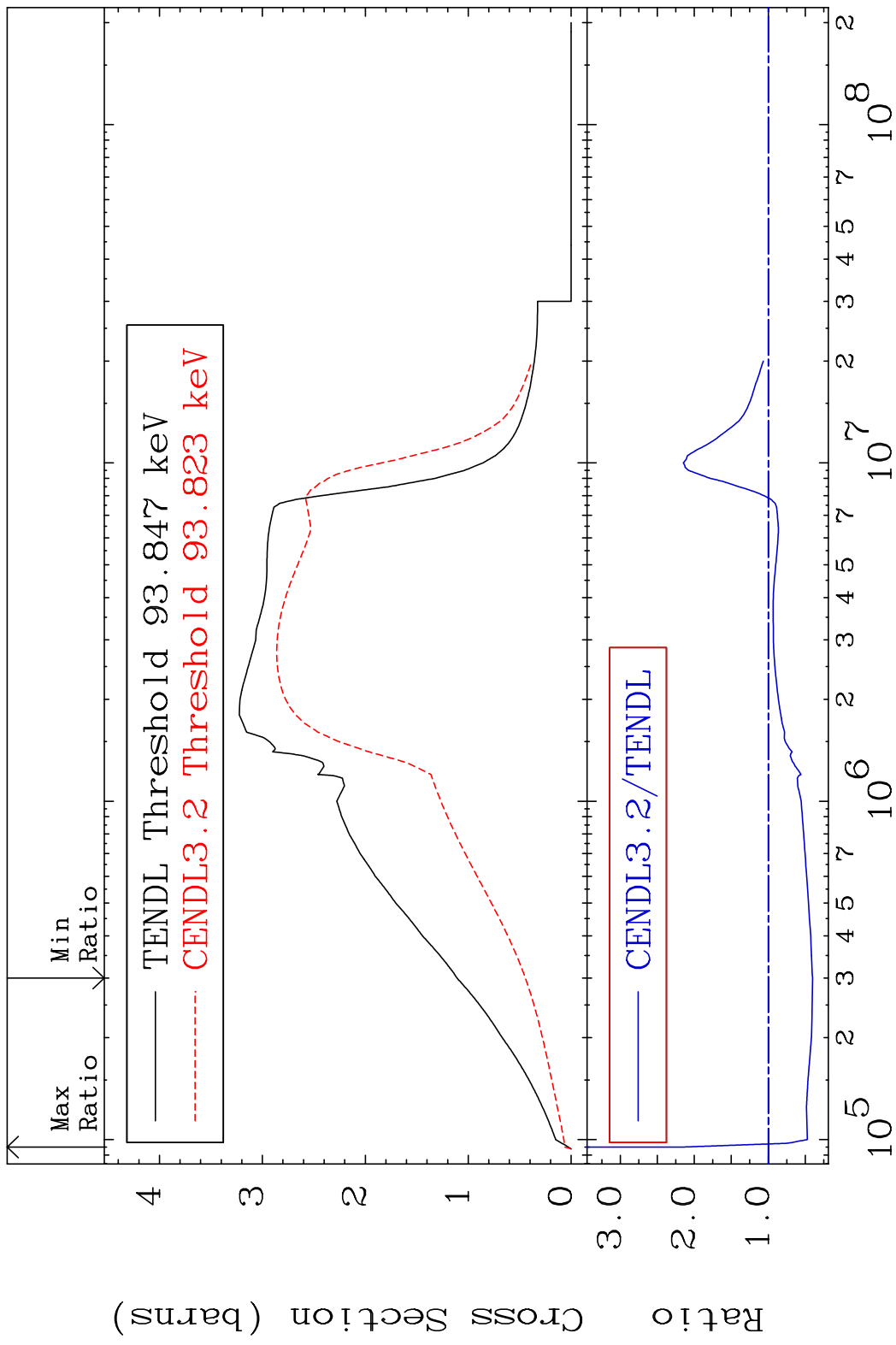


2

Incident Energy (eV)

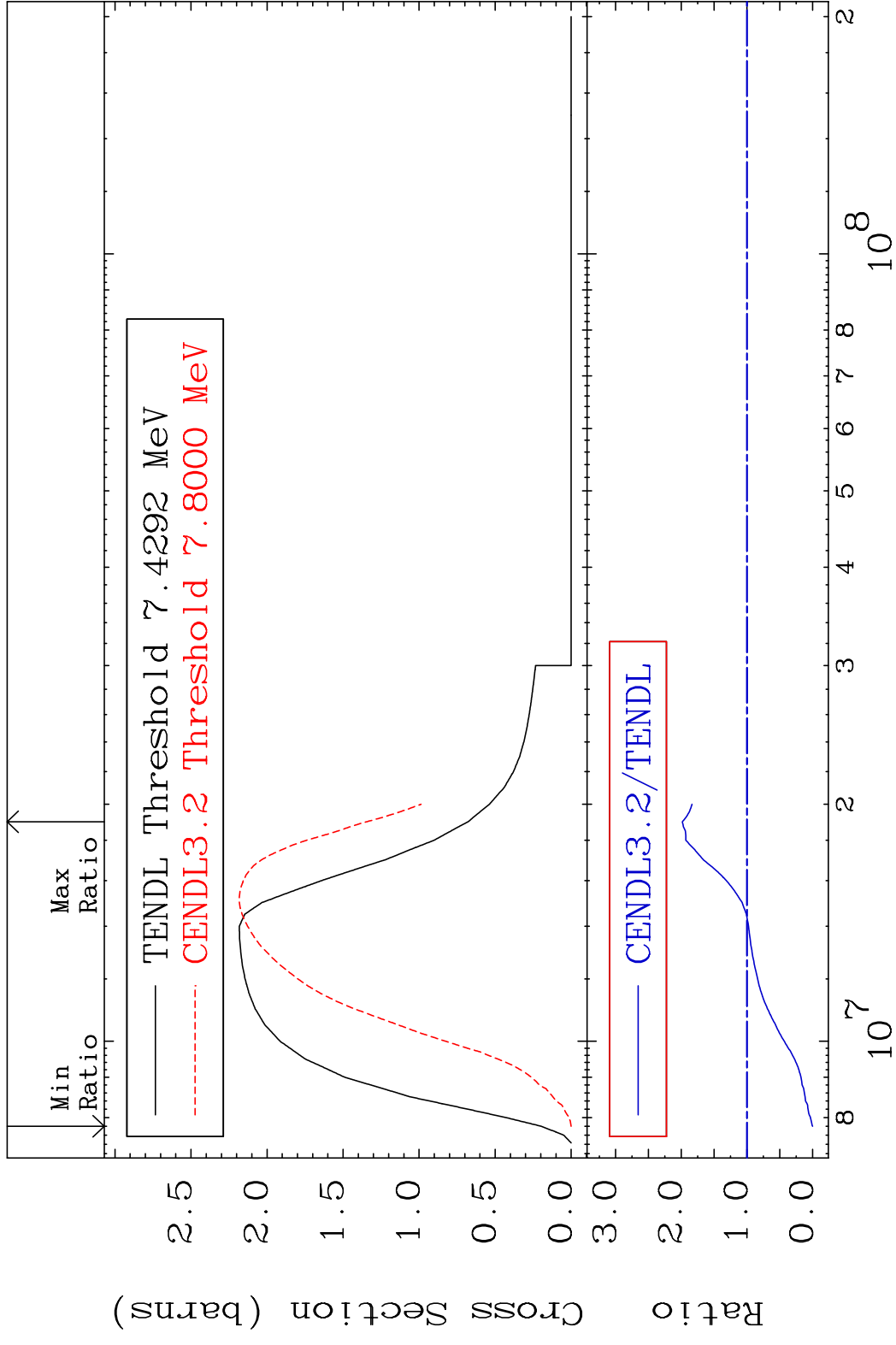
72-Hf-180

MAT 7243 Inelastic 72-Hf-180  
 Cross Section -59.87 To 116.1 %



3 Incident Energy (eV) 72-Hf-180

MAT 7243 (n,2n) 72-Hf-180  
 Cross Section -100.0 To 98.40 %



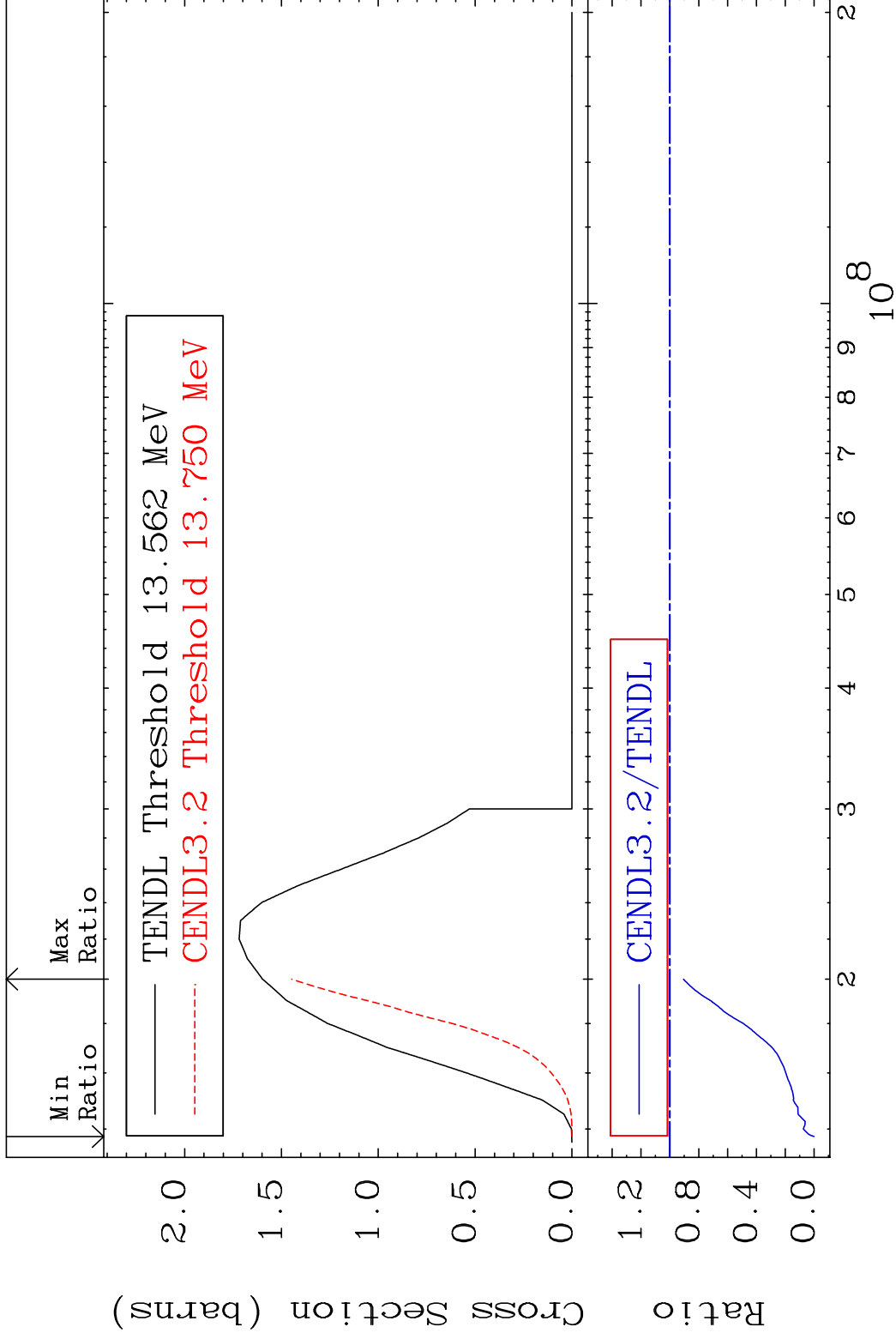
4 Incident Energy (eV) 72-Hf-180

MAT 7243

(n,3n)

72-Hf-180

Cross Section -100.0 To -9.423%



5

Incident Energy (eV)

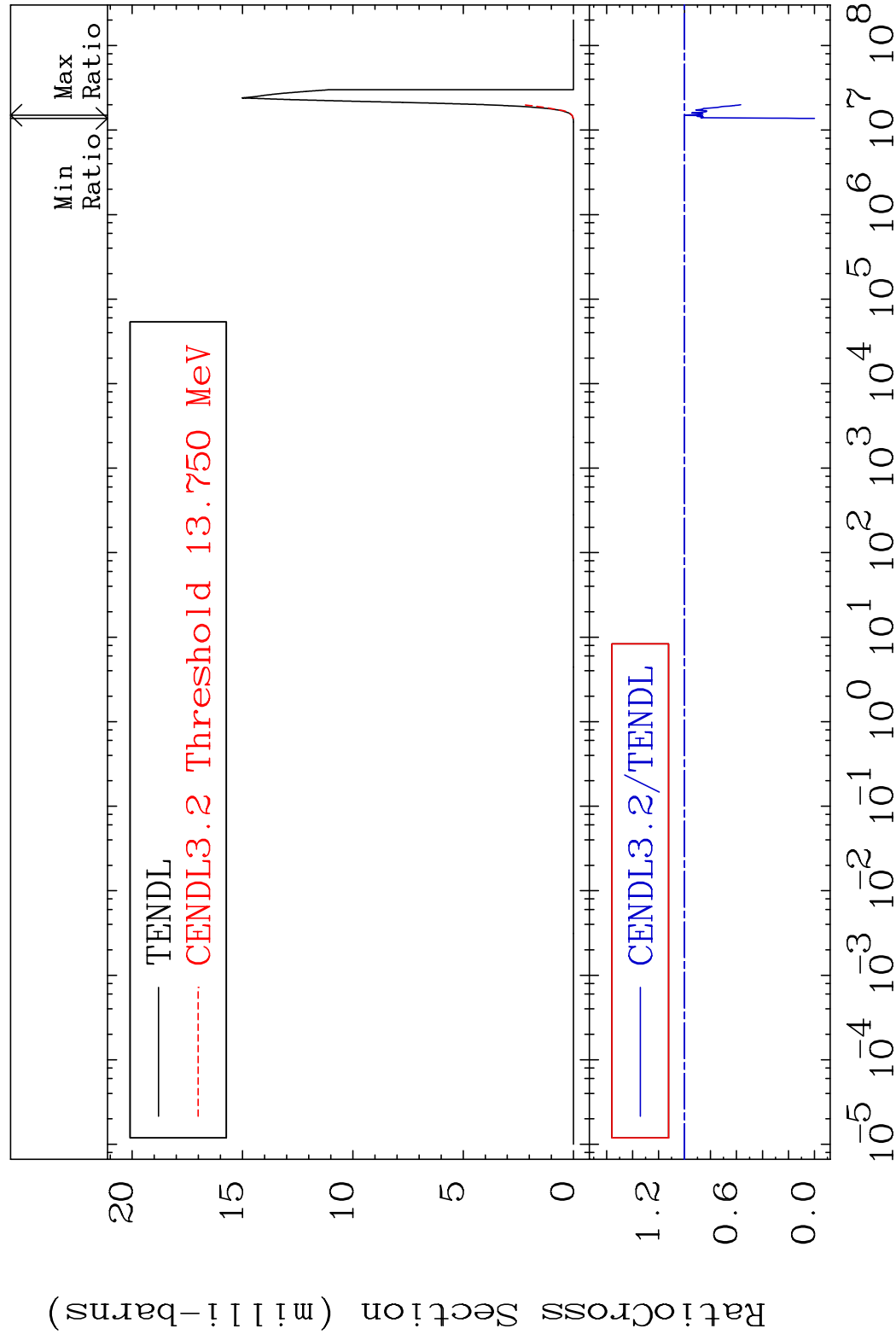
72-Hf-180

MAT 7243

(n, n')  $\alpha$

72-Hf-180

Cross Section -100.0 To 0.074 %



6

Incident Energy (eV)

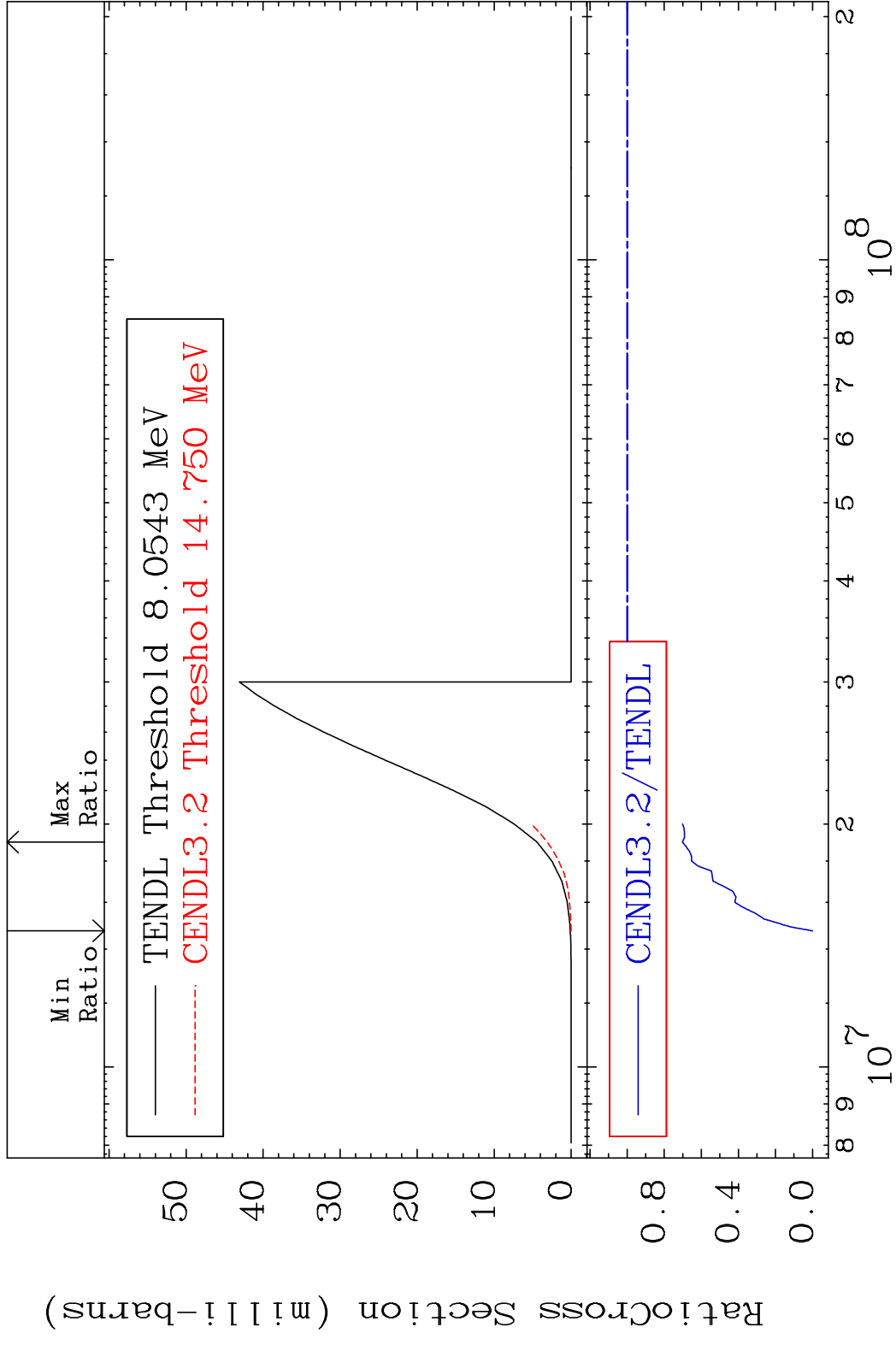
72-Hf-180

MAT 7243

(n, n') p

72-Hf-180

Cross Section -100.0 To -29.79%



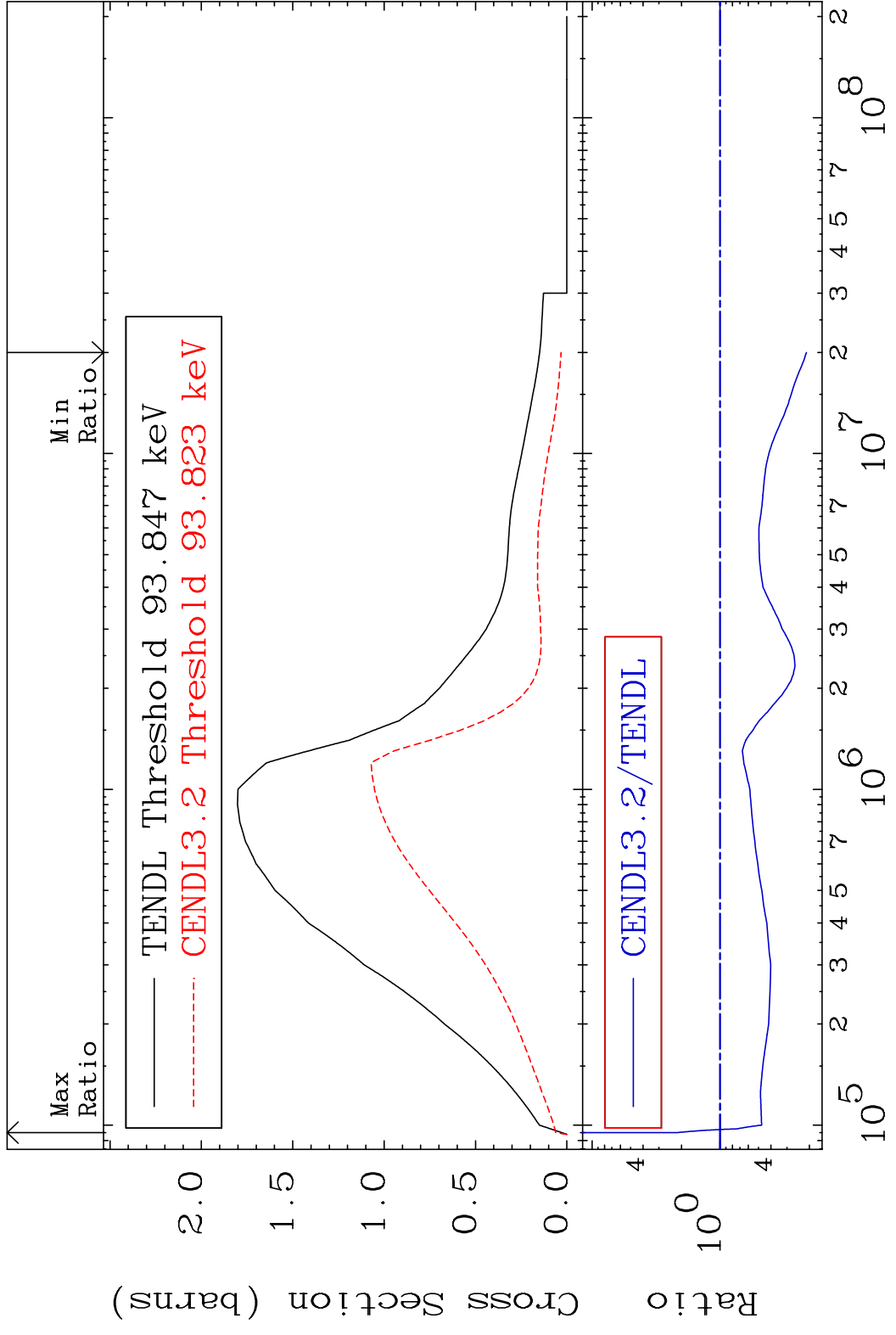
7

Incident Energy (eV)

72-Hf-180

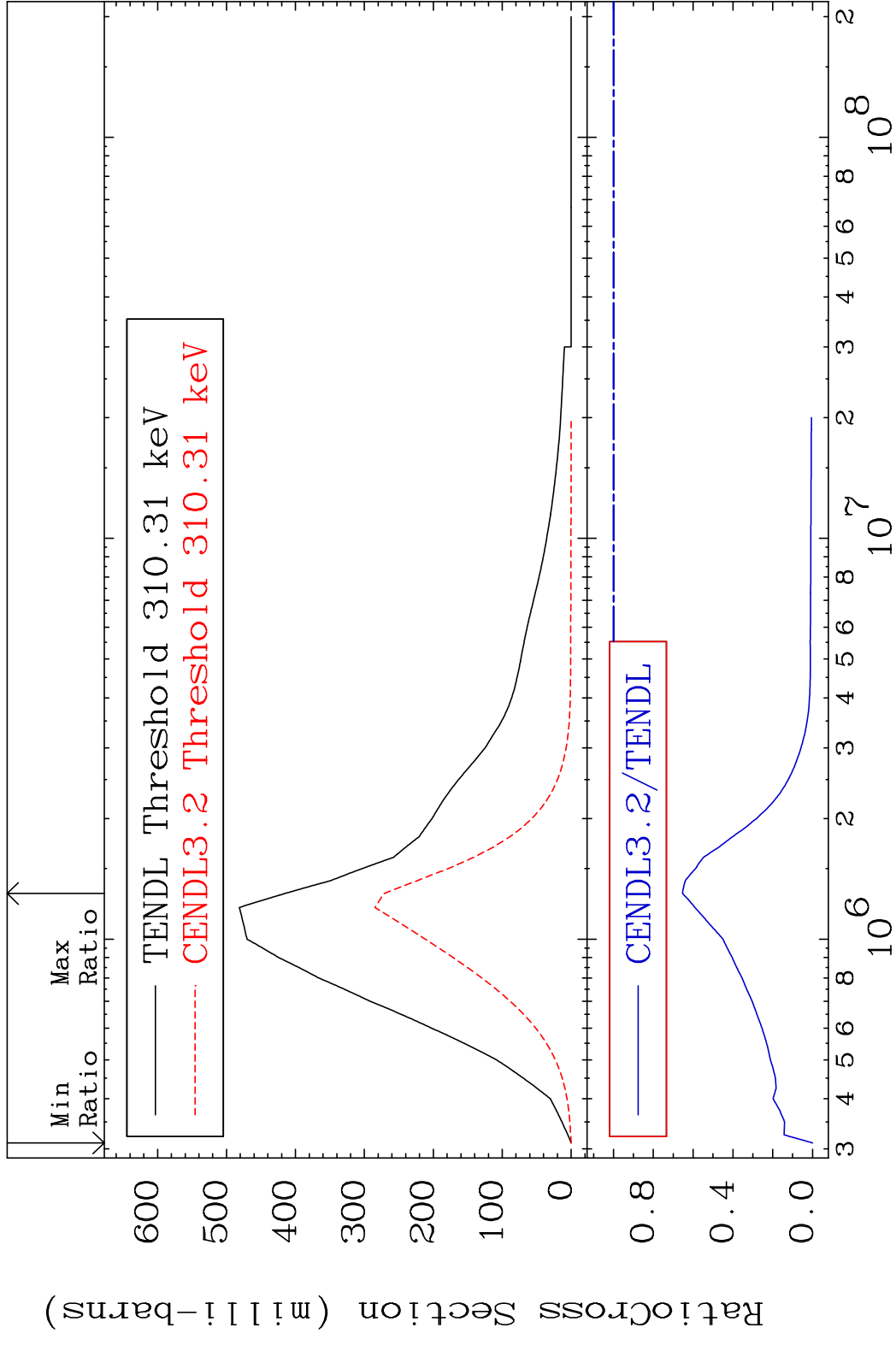


MAT 7243 MT= 51 (n,n') Level 72-Hf-180  
 Cross Section -78.89 To 116.1 %

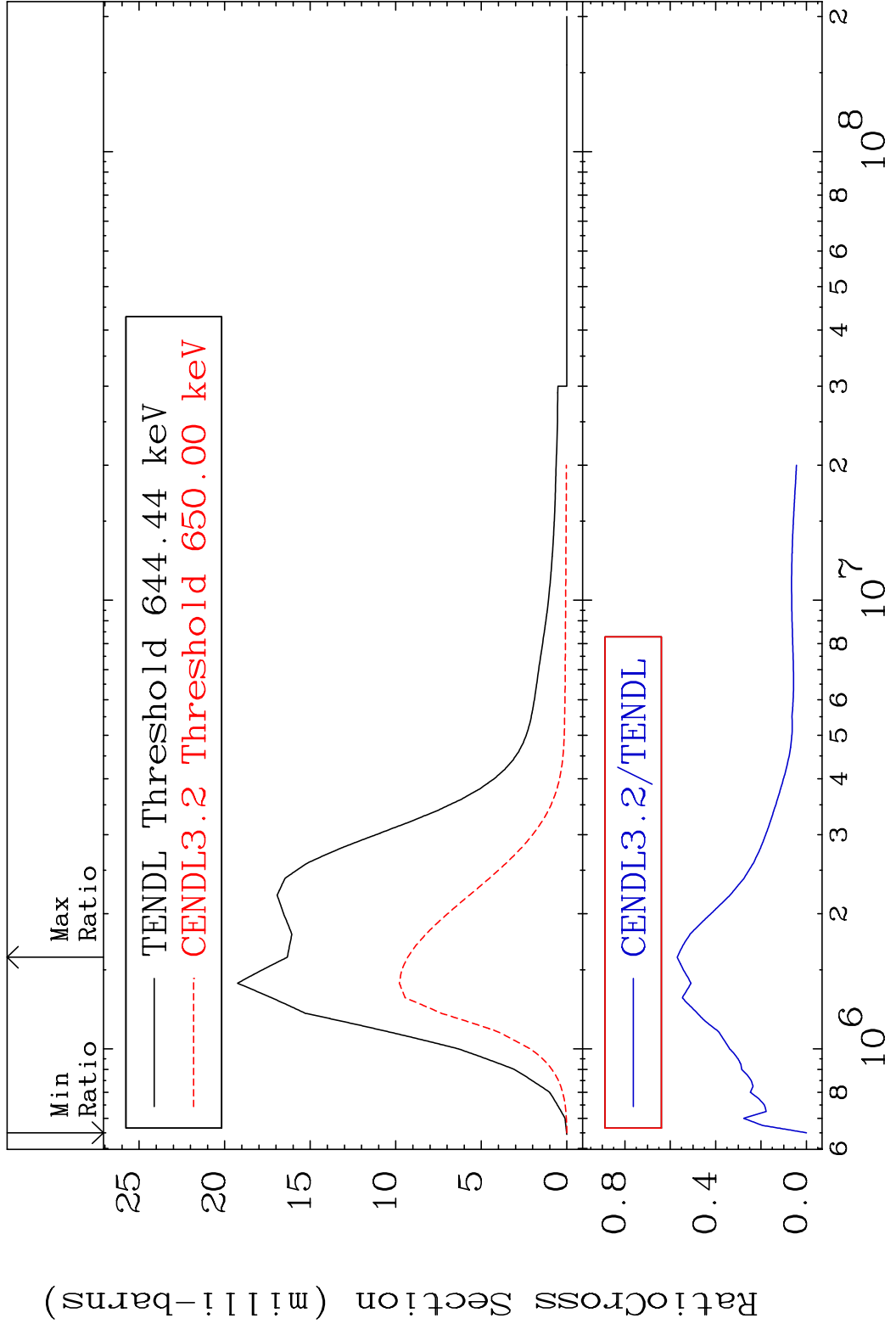


8 Incident Energy (eV) 72-Hf-180

MAT 7243 MT= 52 (n,n') Level 72-Hf-180  
 Cross Section -100.0 To -34.59%

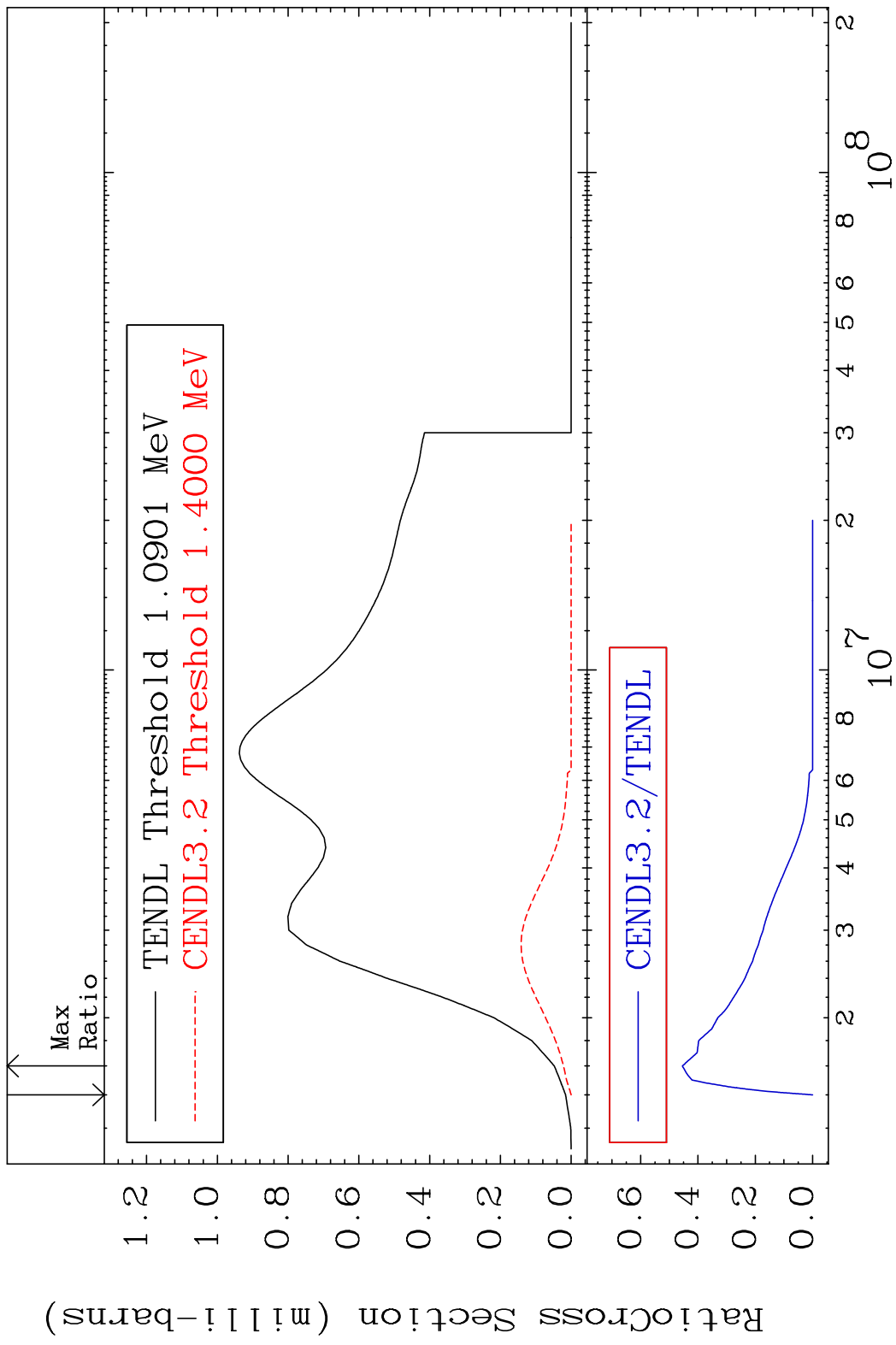


MAT 7243 MT= 53 (n, n') Level 72-Hf-180  
 Cross Section -100.0 To -43.05%



10 Incident Energy (eV) 72-Hf-180

MAT 7243 MT= 54 (n, n') Level 72-Hf-180  
 Cross Section -100.0 To -54.55%

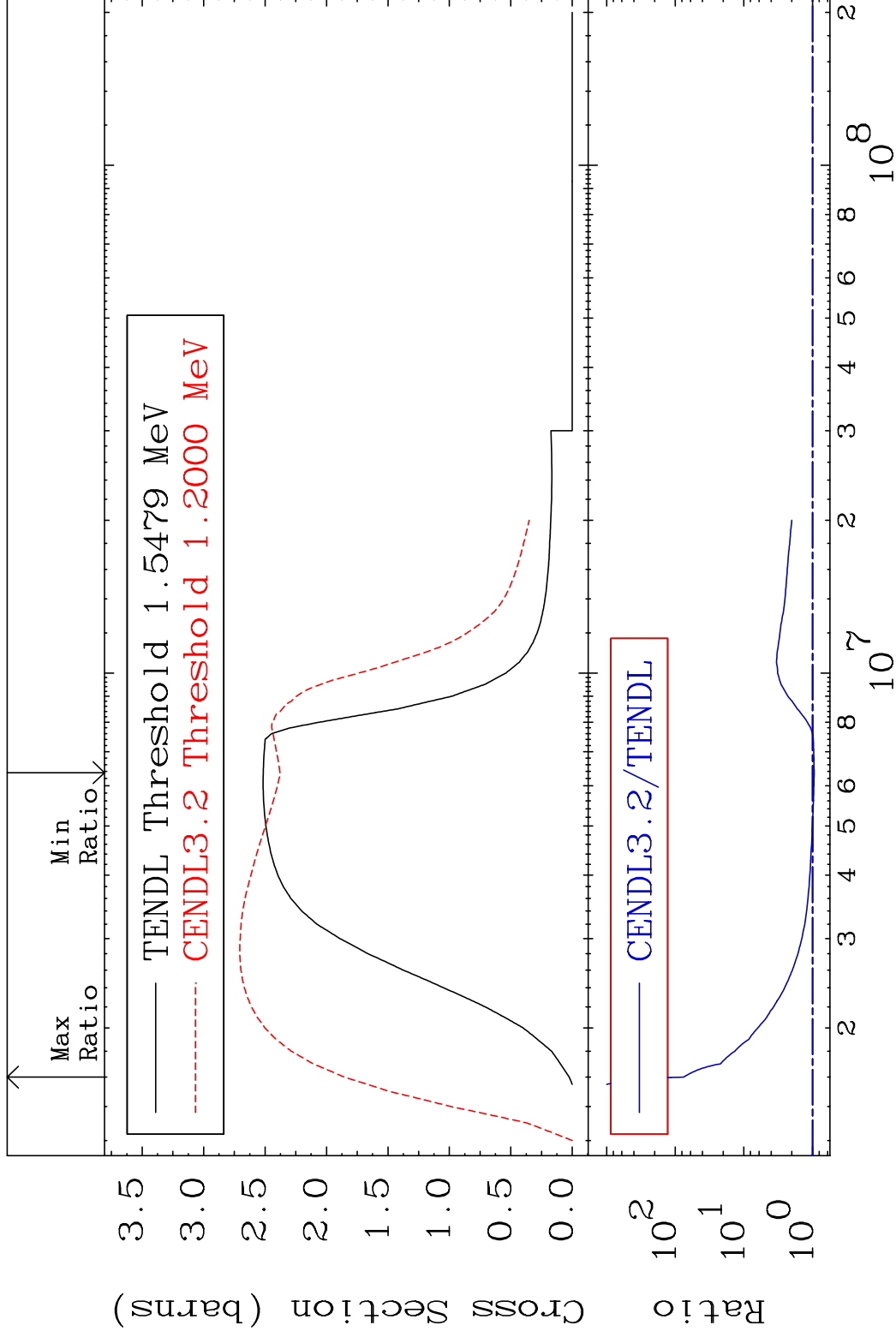


MAT 7243

(n, n') Continuum

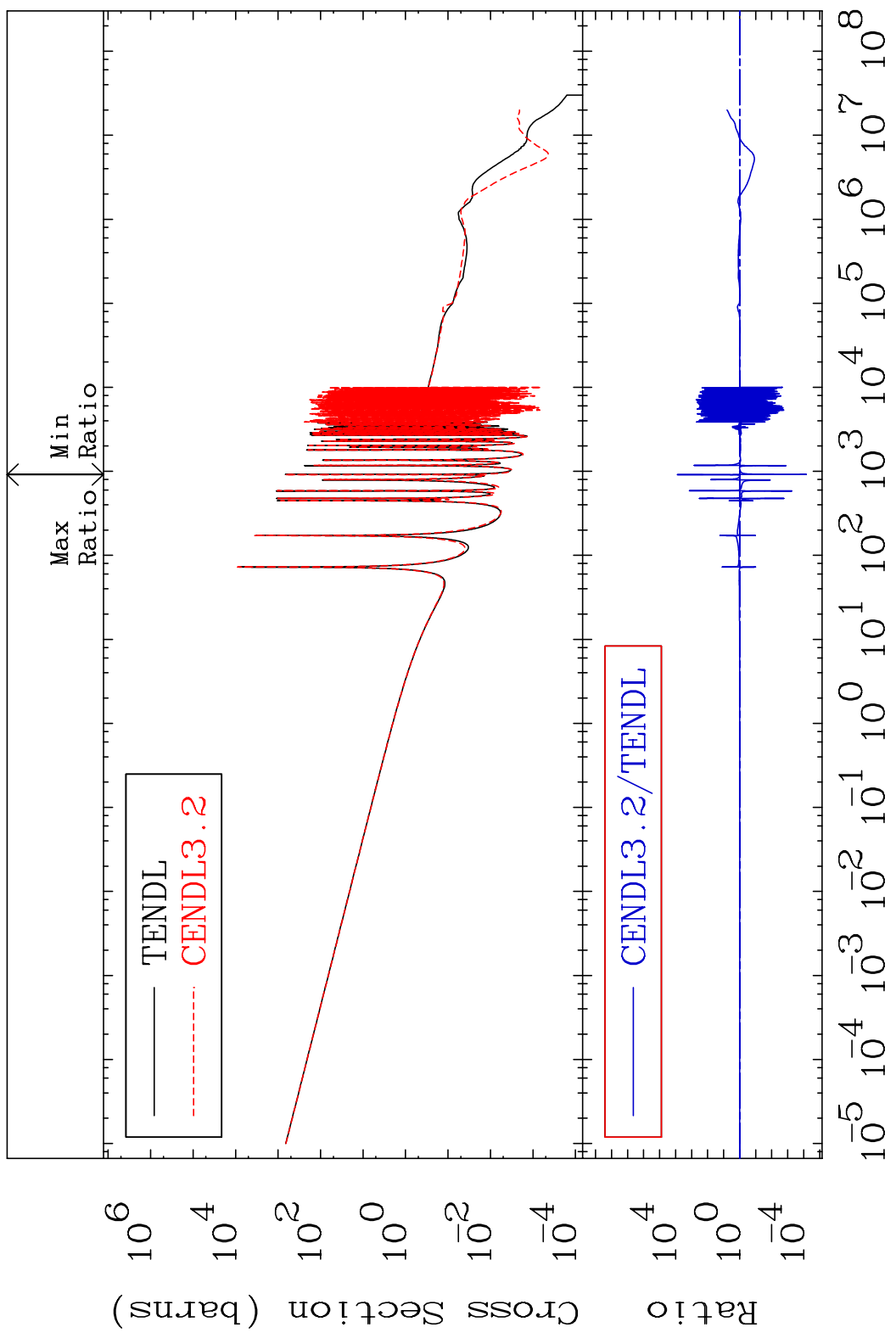
72-Hf-180

Cross Section -5.409 To 7436. %



MAT 7243

(n,  $\gamma$ )  
Cross Section -99.99 To 9999. %  
72-Hf-180

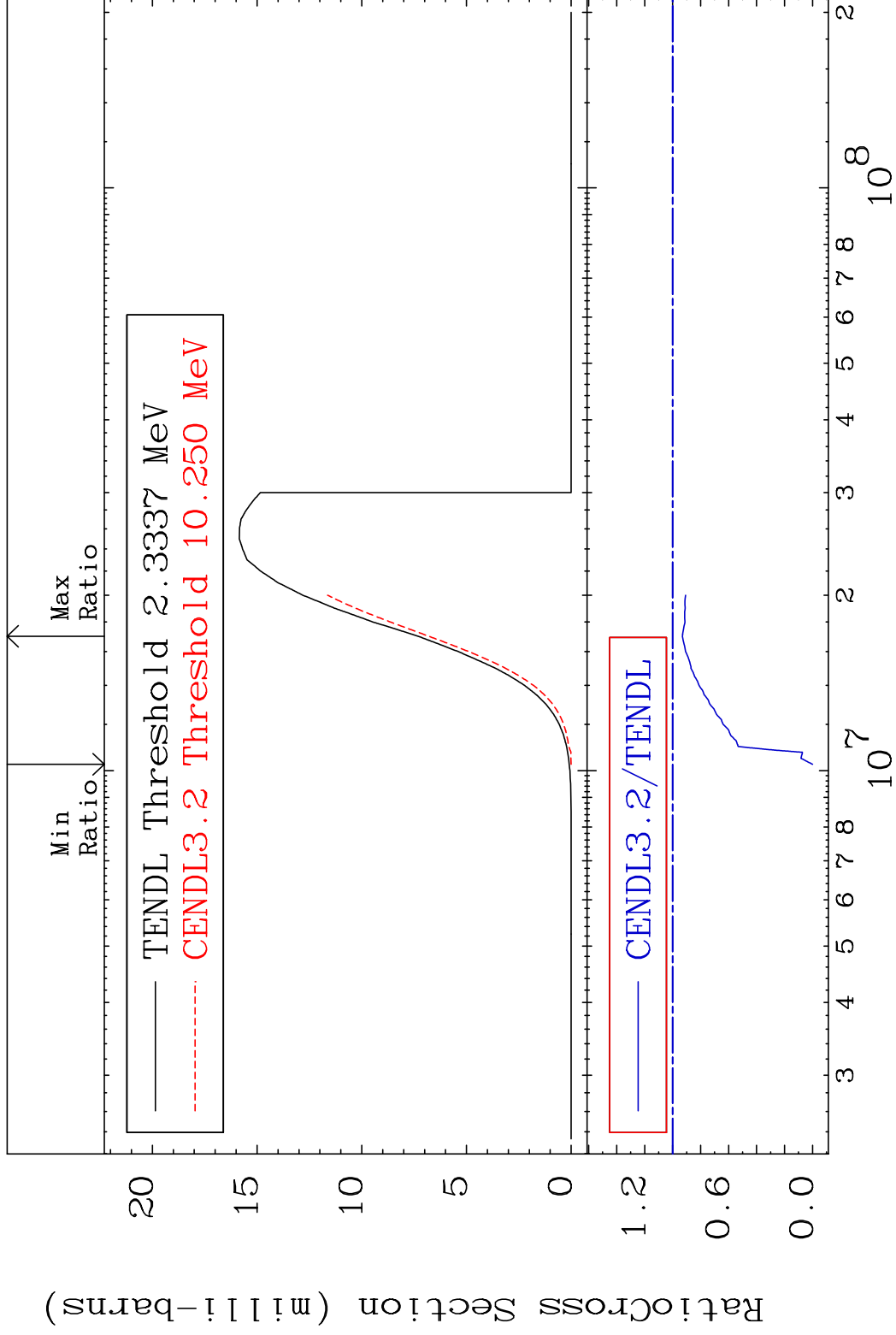


MAT 7243

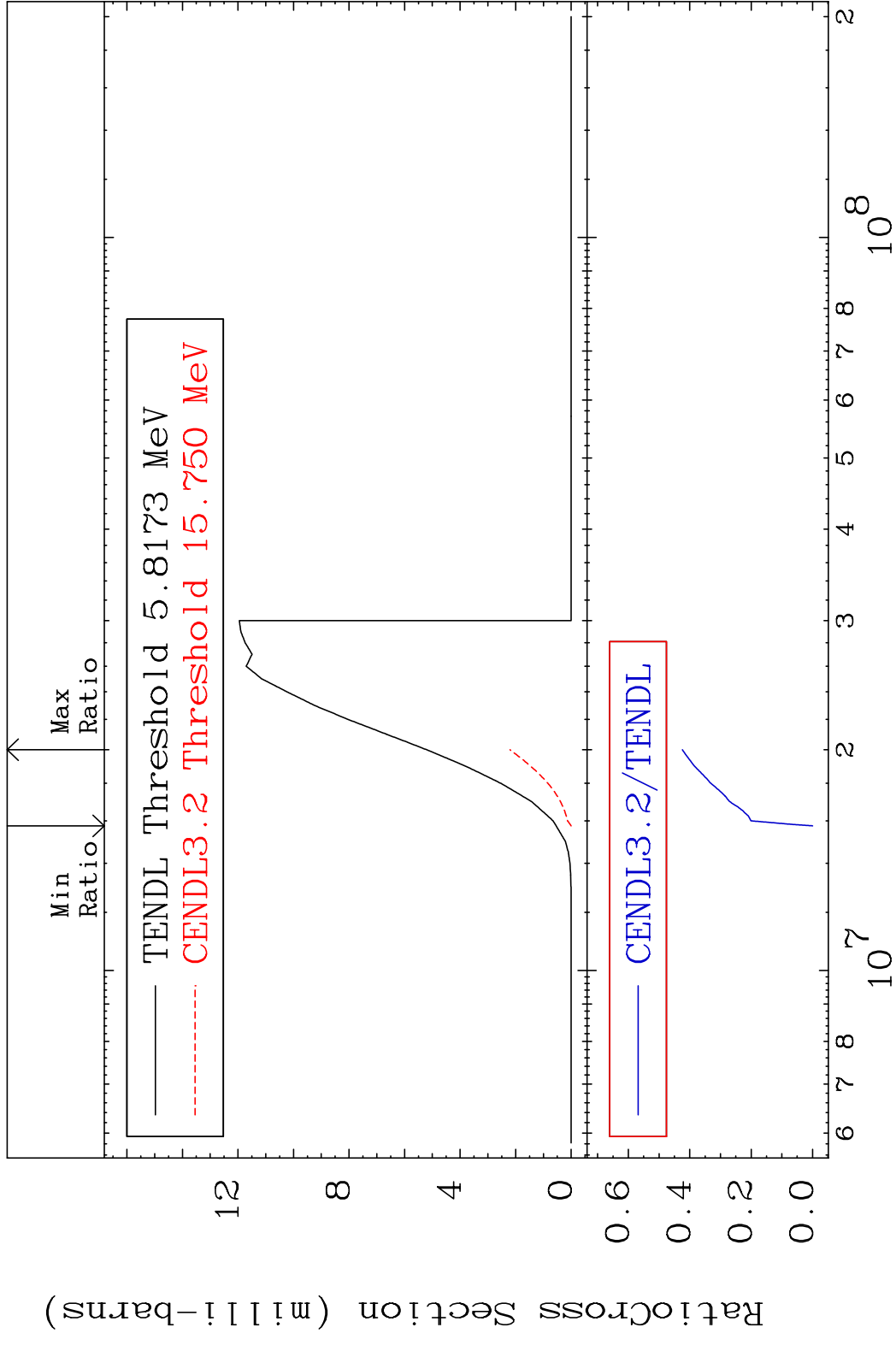
(n, p)

72-Hf-180

Cross Section -100.0 To -6.948%



MAT 7243 (n,d) 72-Hf-180  
 Cross Section -100.0 To -57.59%



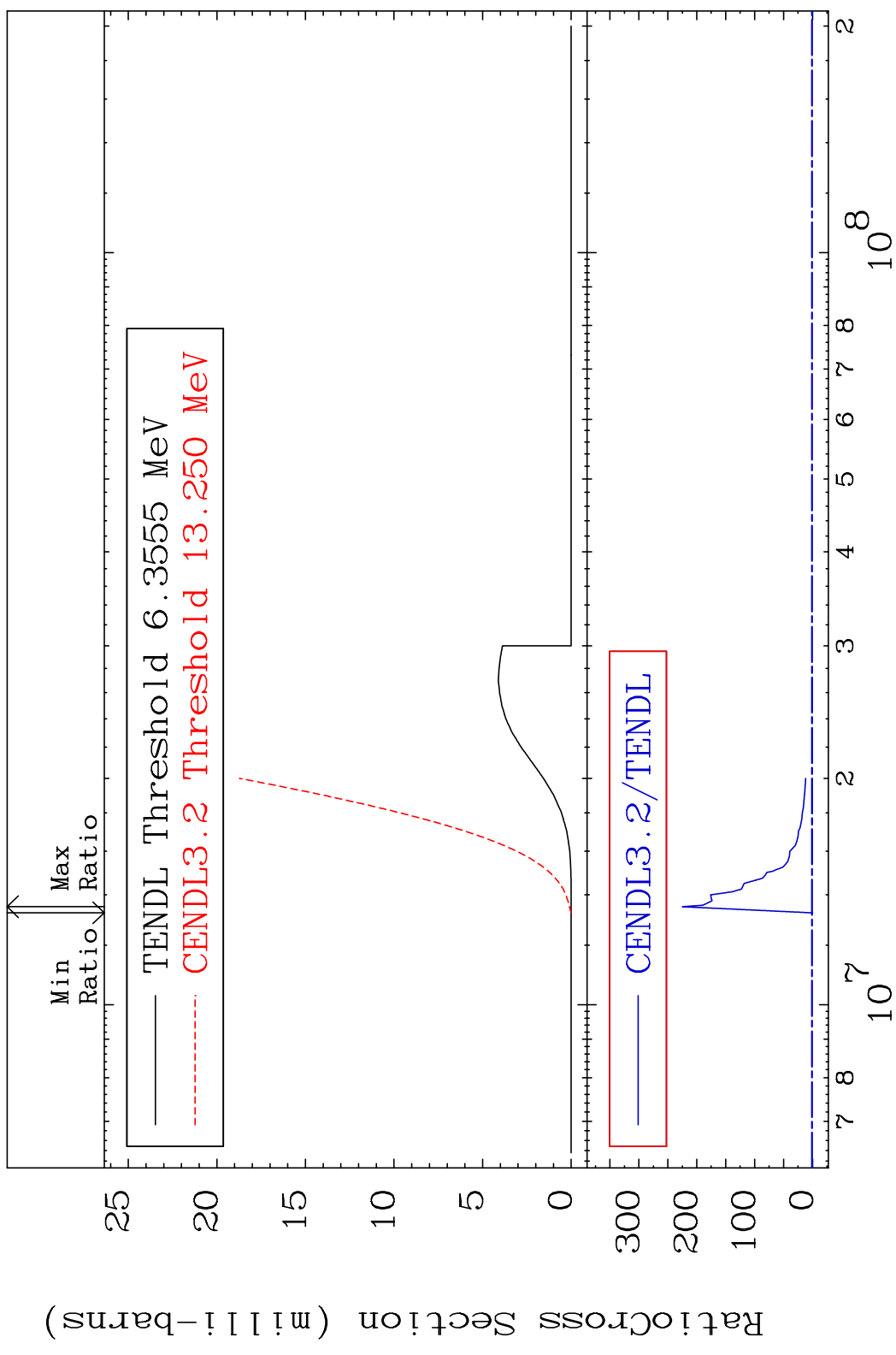


MAT 7243

(n, t)

72-Hf-180

Cross Section -100.0 To 9999. %

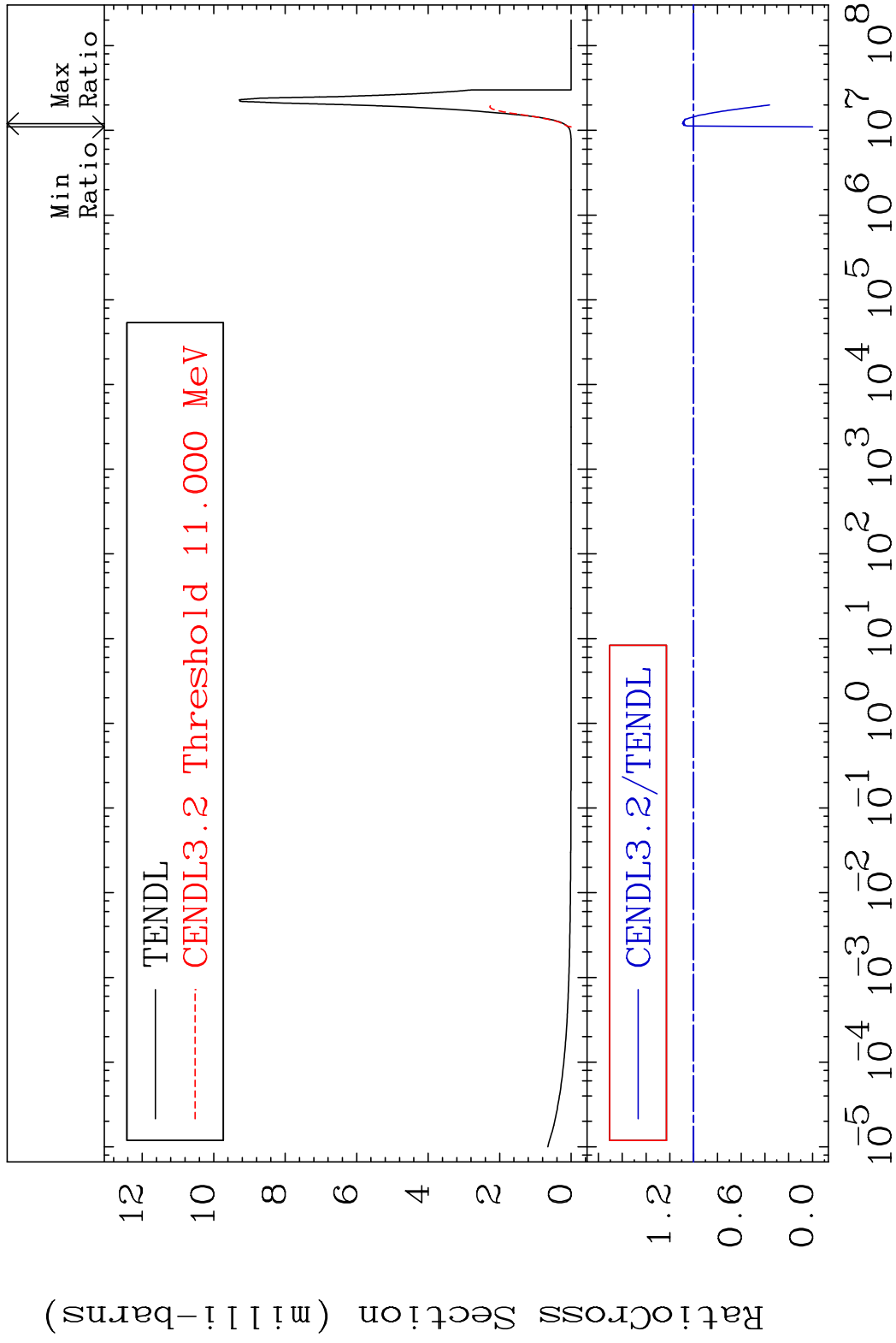


MAT 7243

(n,  $\alpha$ )

72-Hf-180

Cross Section -100.0 To 9.484 %



17

Incident Energy (eV)

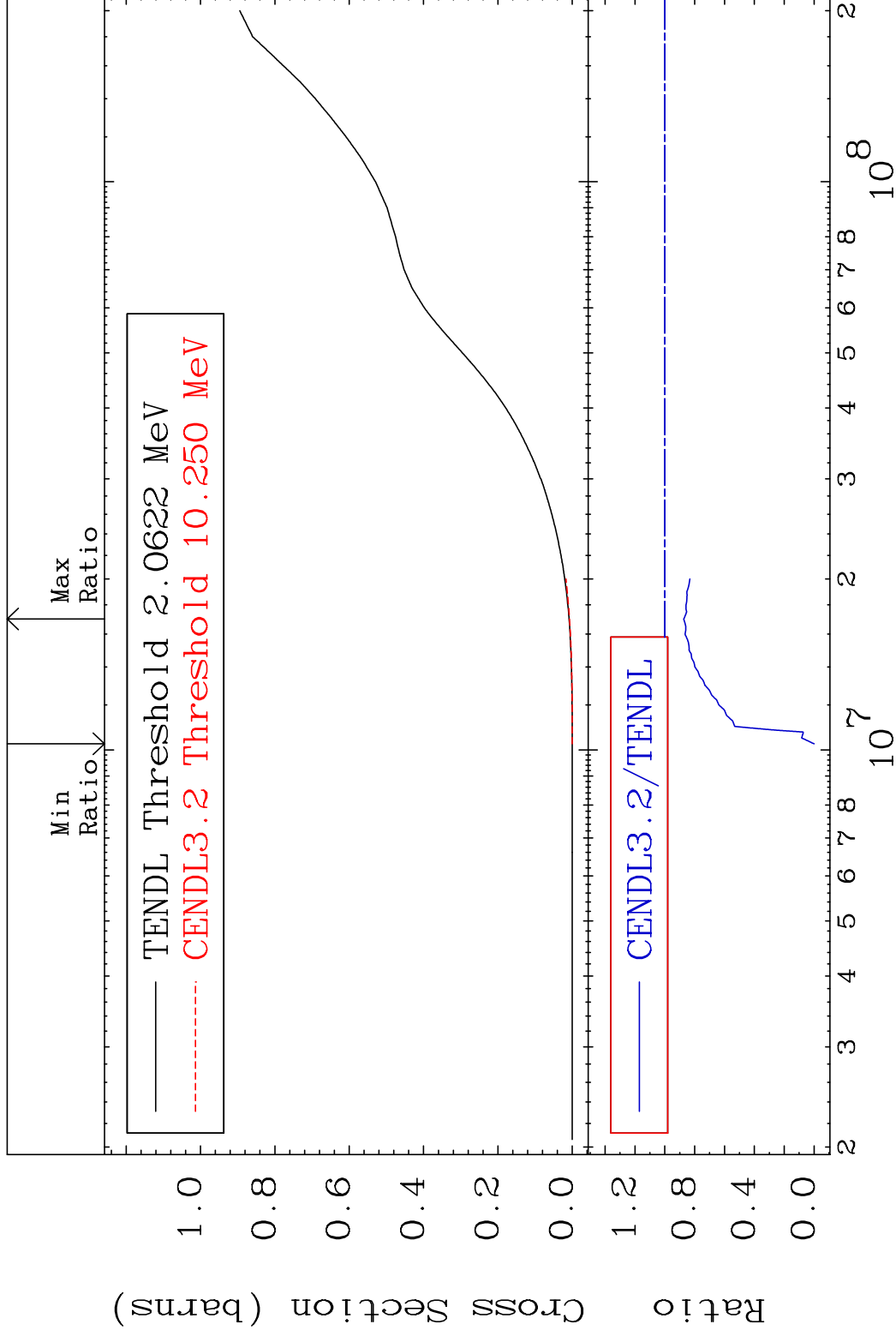
72-Hf-180

MAT 7243

Hydrogen Production

72-Hf-180

Cross Section -100.0 To -12.63%



18

Incident Energy (eV)

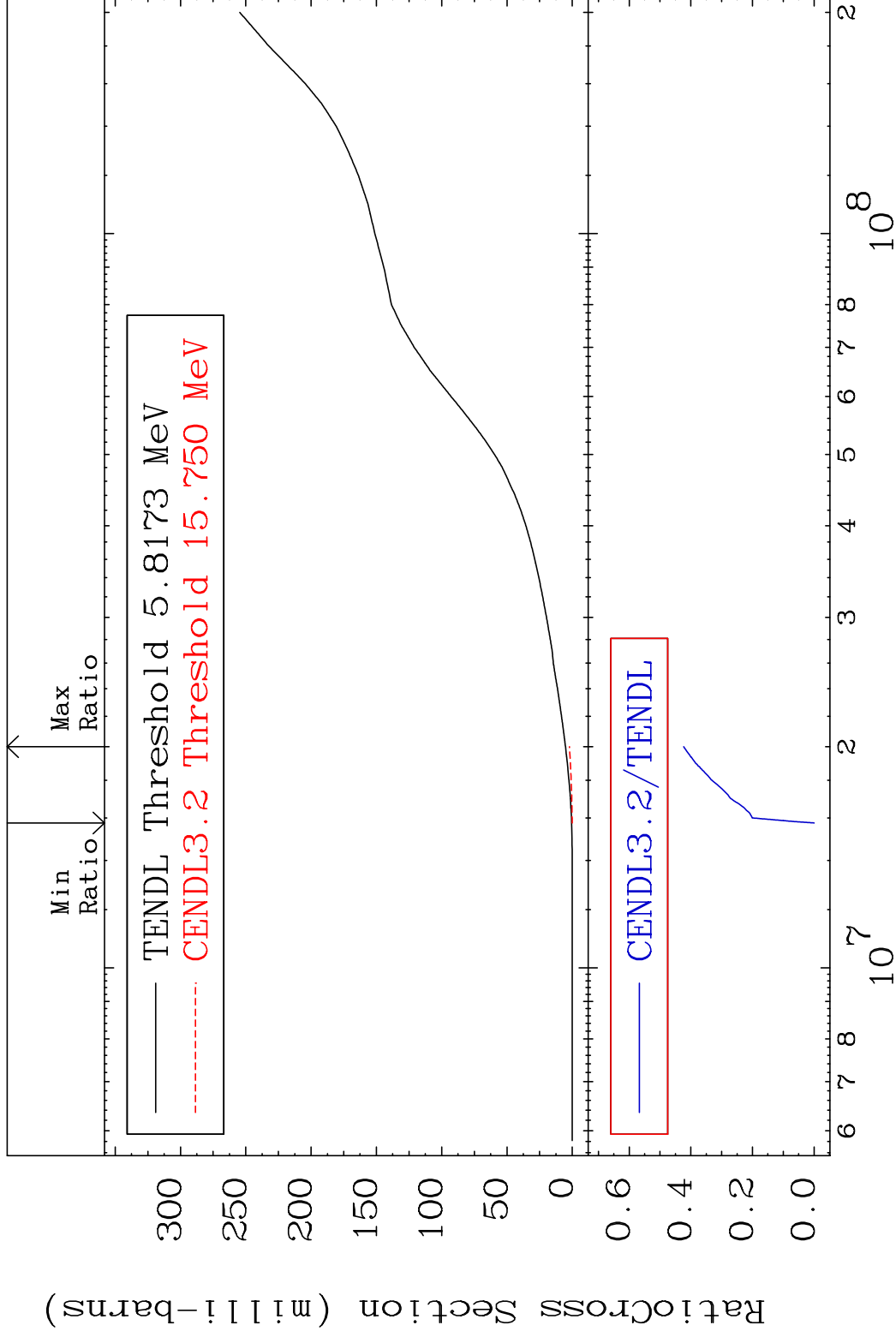
72-Hf-180

MAT 7243

Deuterium Production

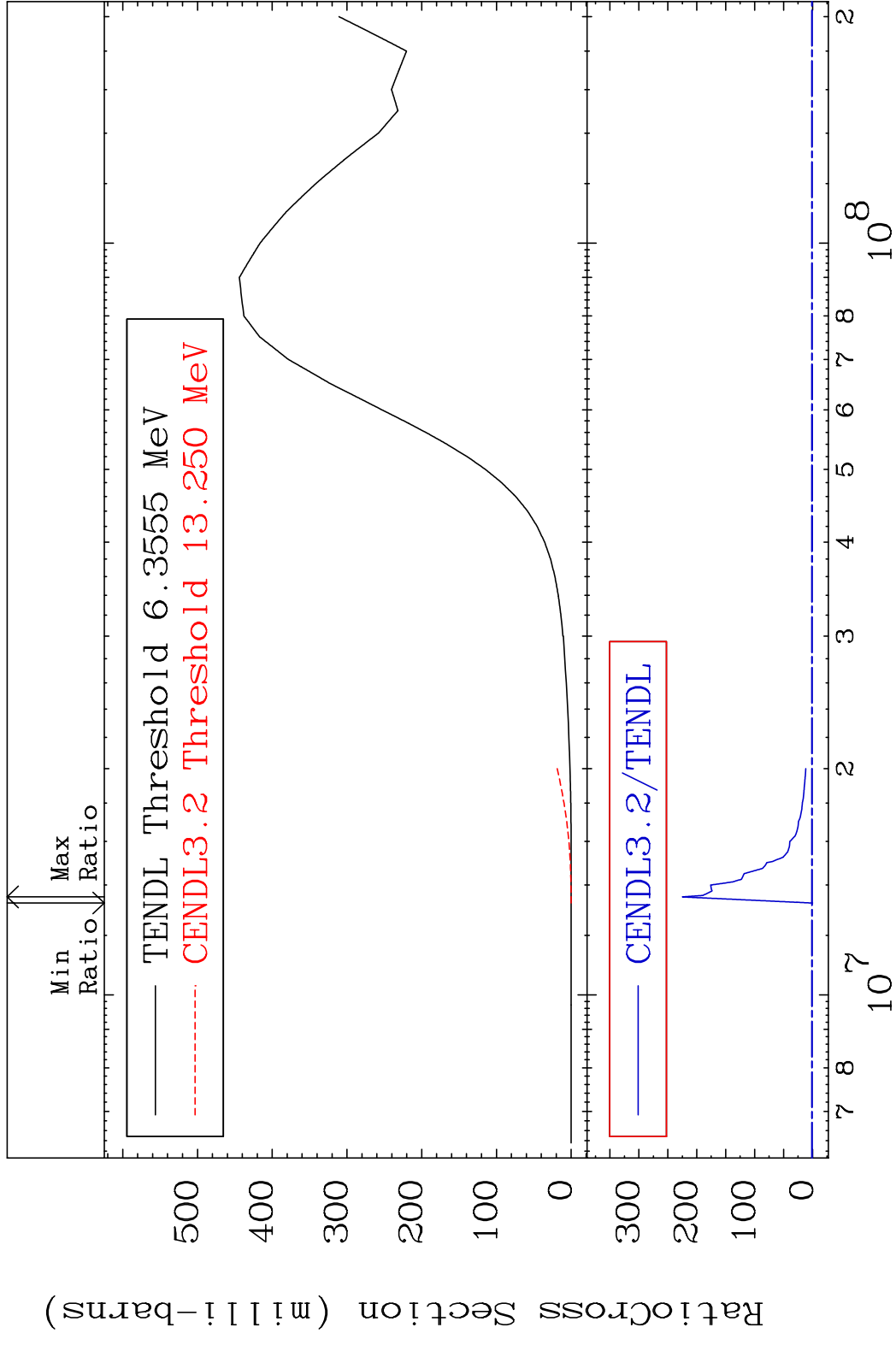
72-Hf-180

Cross Section -100.0 To -57.67%



MAT 7243

Tritium Production 72-Hf-180  
Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

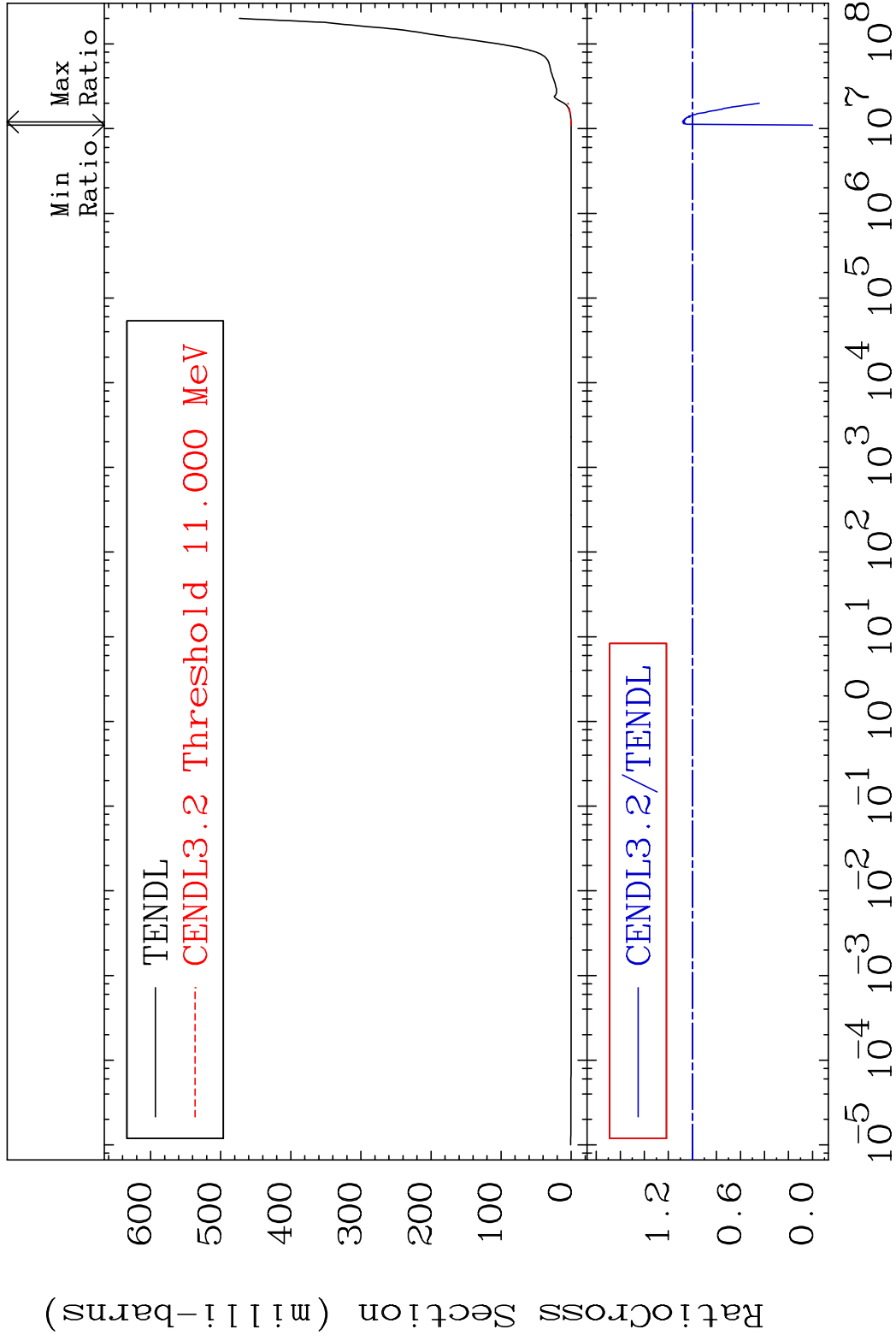
72-Hf-180

MAT 7243

He-4 Production

72-Hf-180

Cross Section -100.0 To 8.337 %

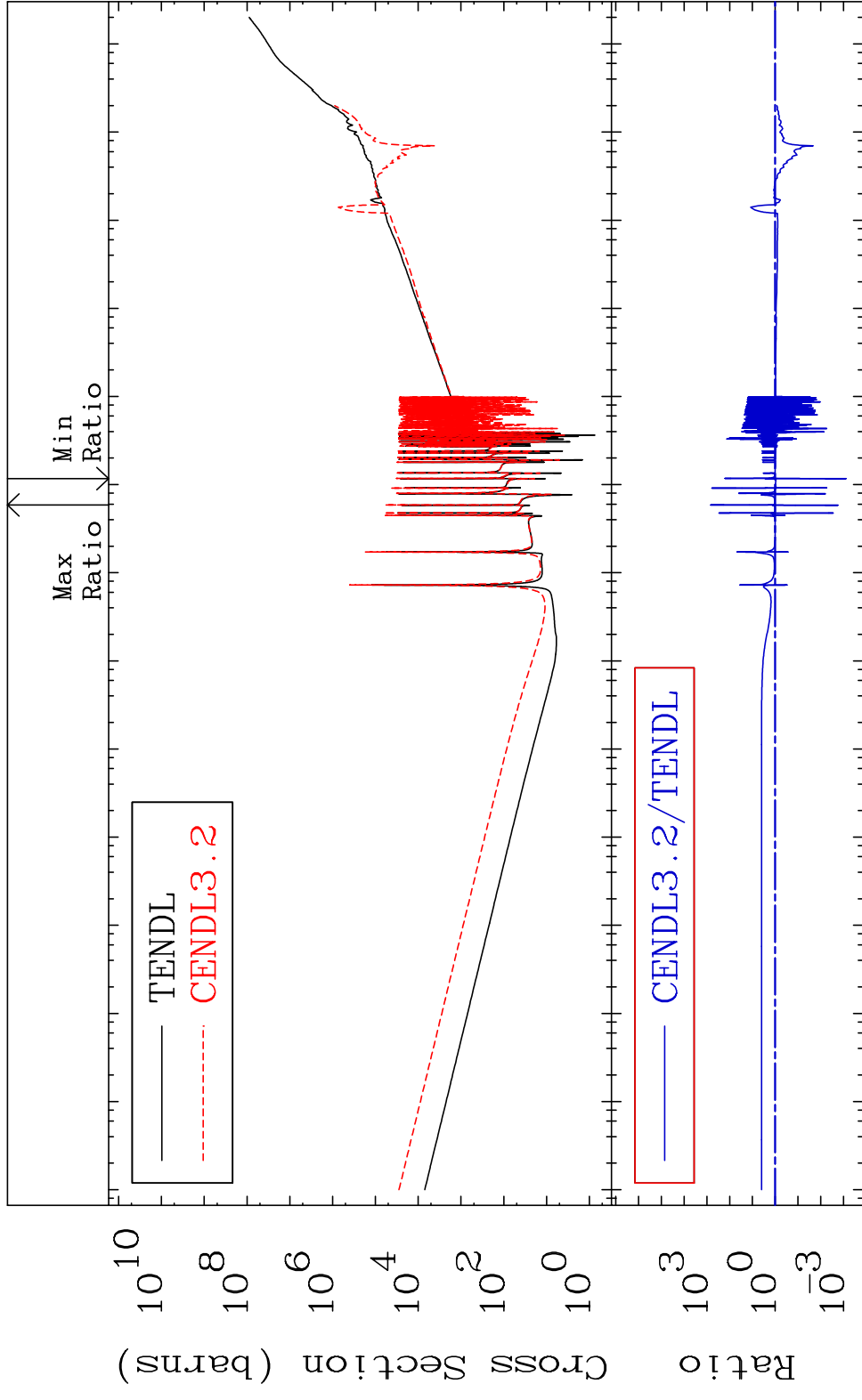


21

Incident Energy (eV)

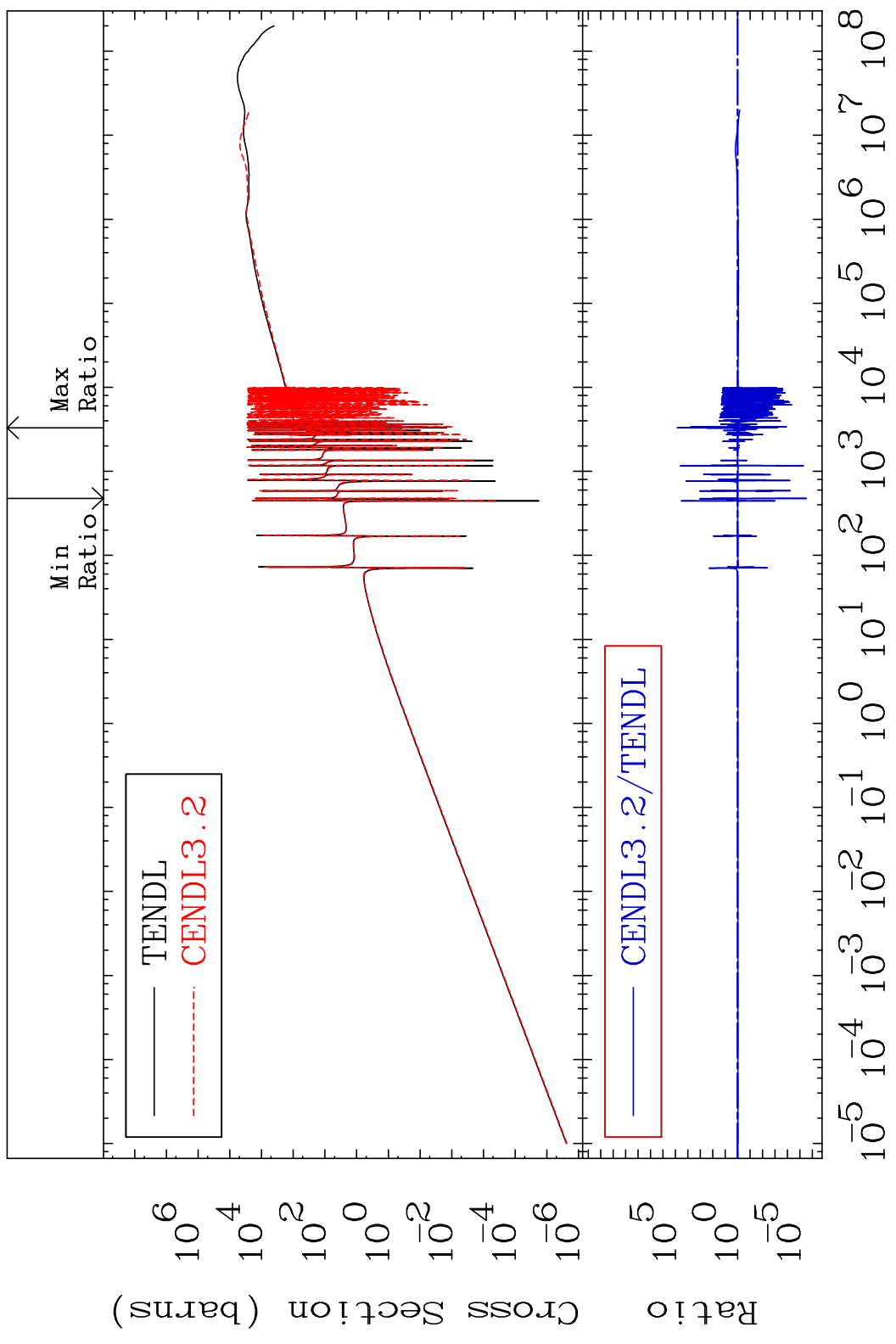
72-Hf-180

MAT 7243 Kerma total (eV-barns) 72-Hf-180  
 Cross Section -99.92 To 9999. %



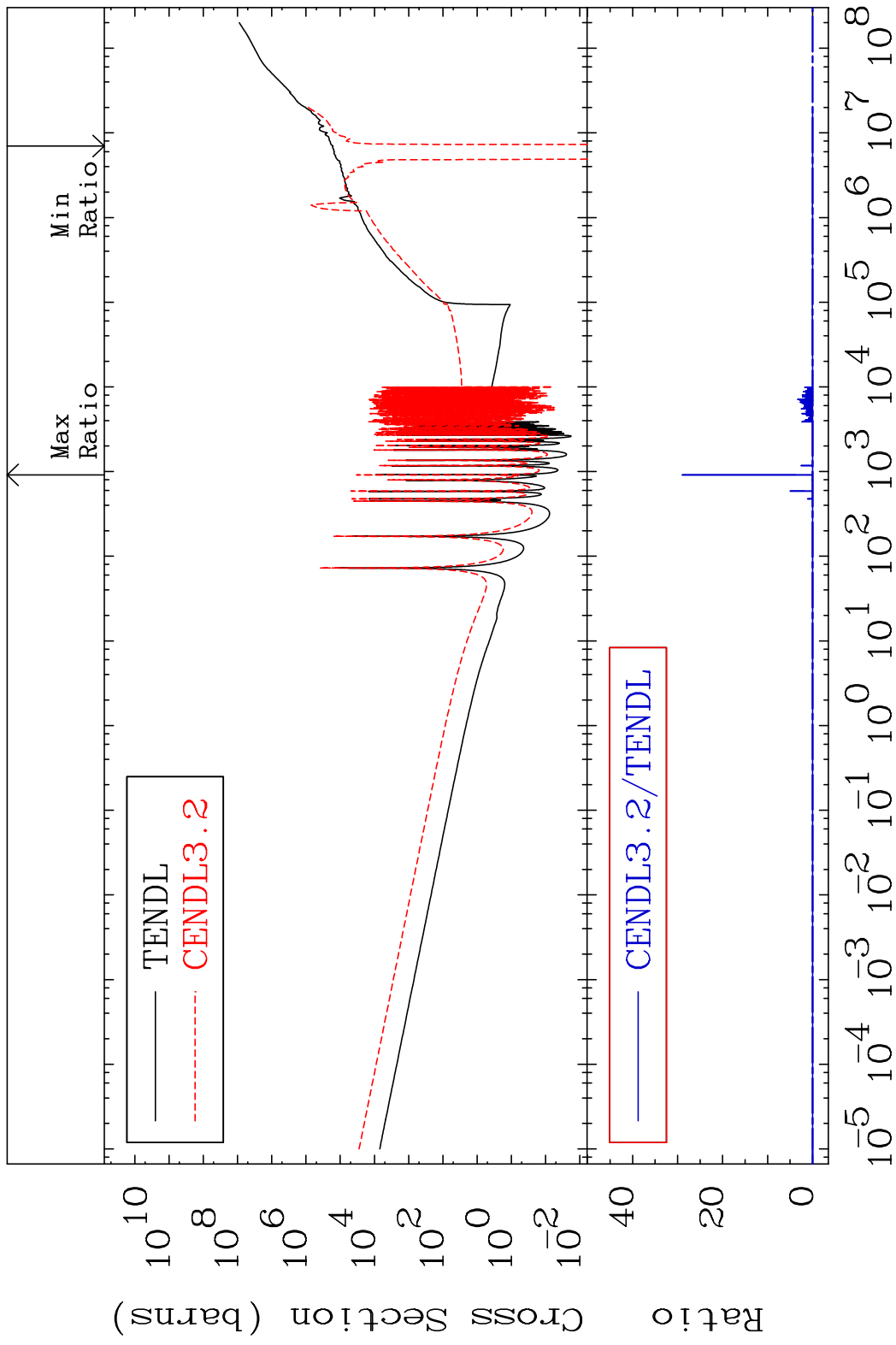
MAT 7243

Kerma elastic Cross Section -100.0 To 9999. %  
72-Hf-180



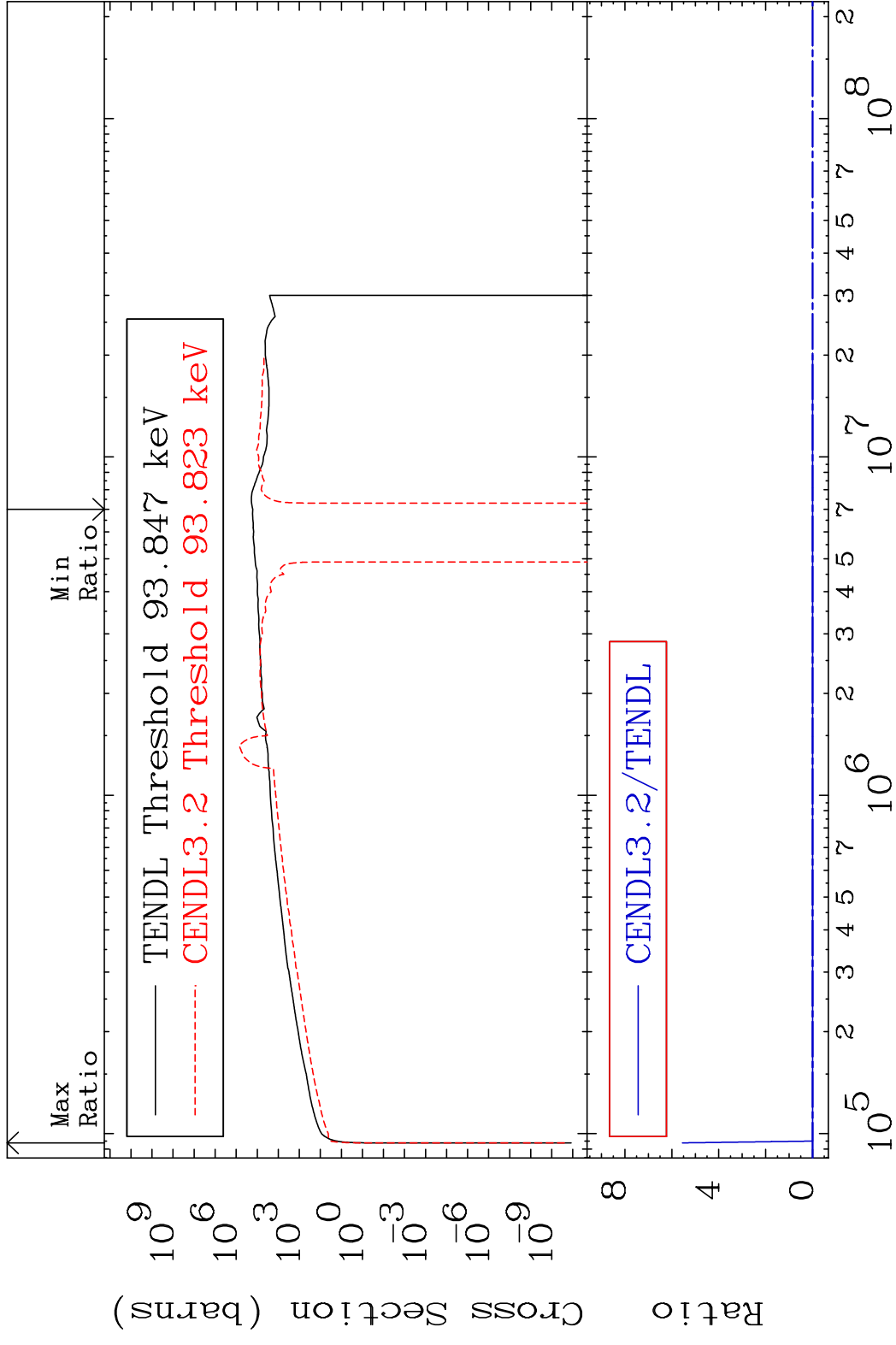


MAT 7243 Kerma non-elastic (all but mt2) 72-Hf-180  
 Cross Section -126.5 To 9999. %



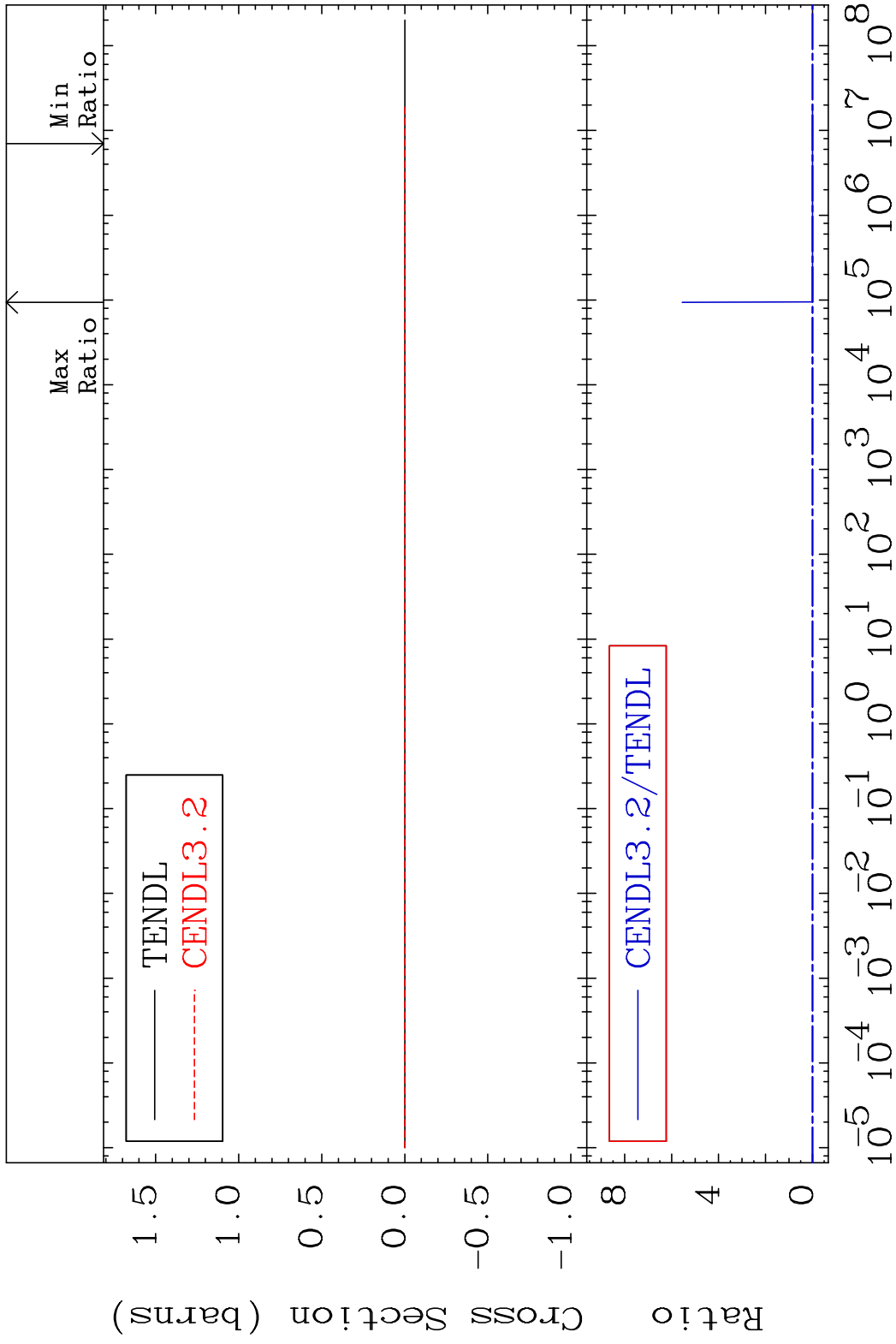
24 Incident Energy (eV) 72-Hf-180

MAT 7243 Kerma inelastic (mt51-91) 72-Hf-180  
 Cross Section -126.5 To 9999. %

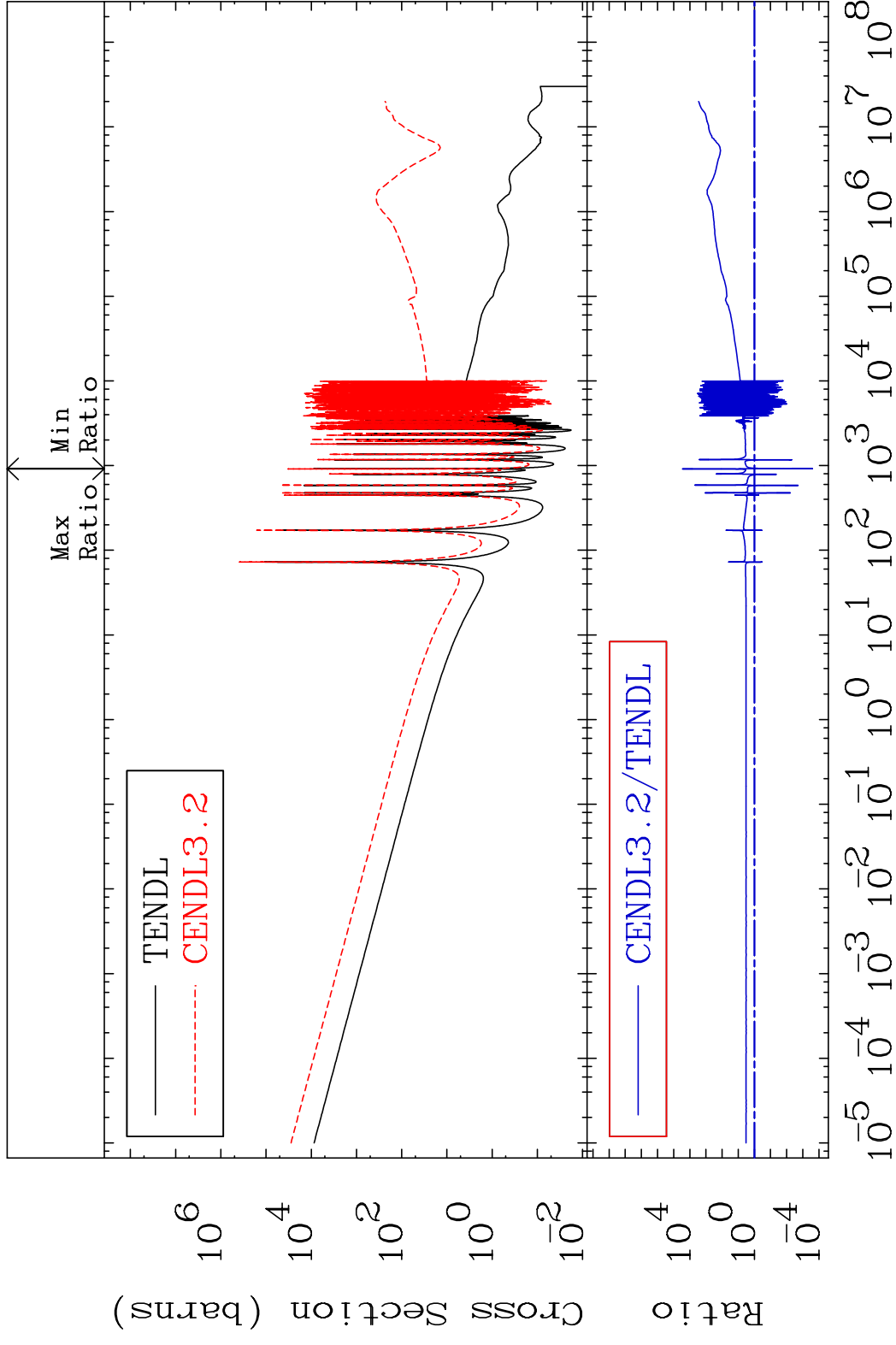


25 Incident Energy (eV) 72-Hf-180

MAT 7243 Kerma fission (mt18 or mt19-20-21-38) 72-Hf-180  
 Cross Section -126.5 To 9999. %

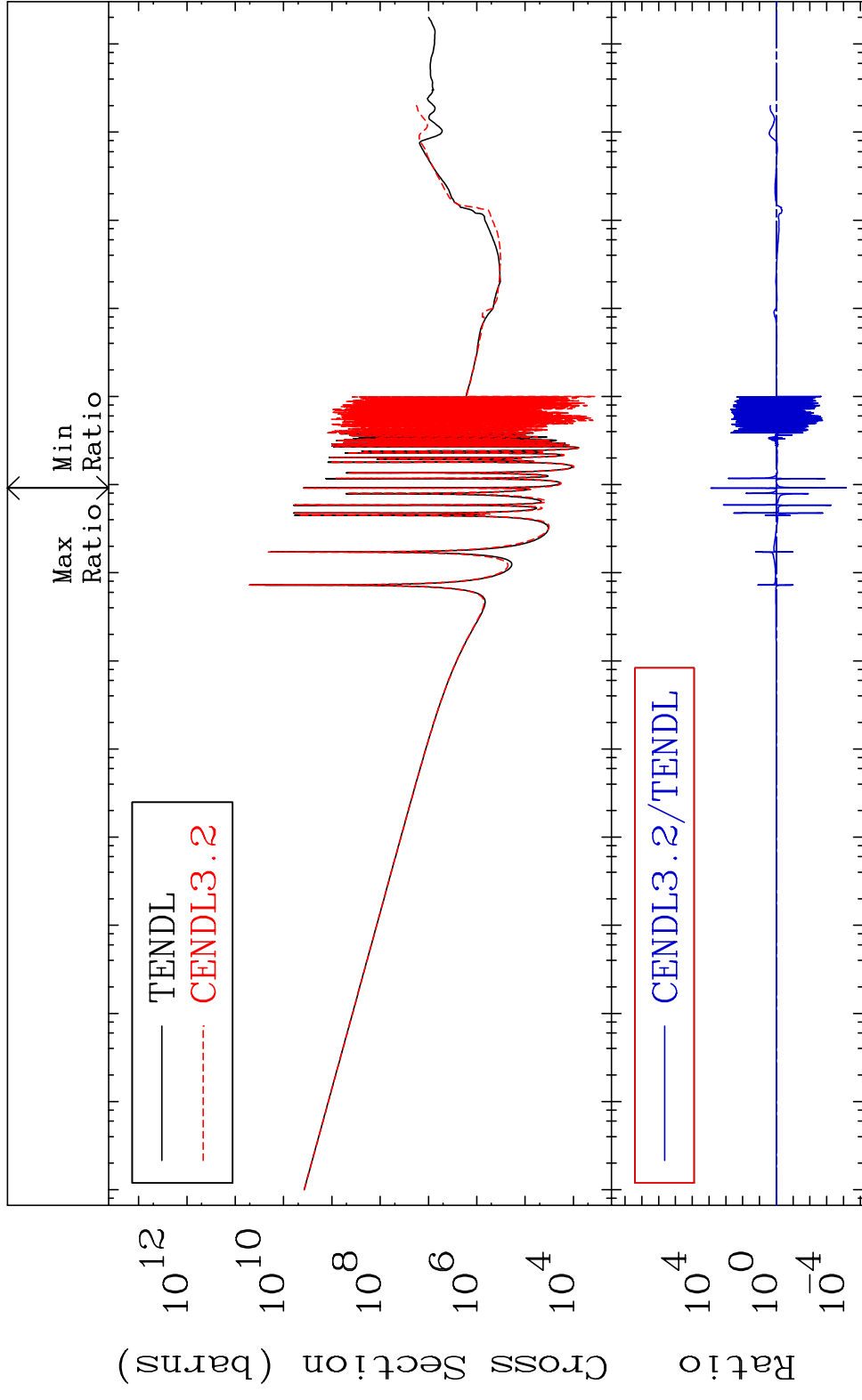


MAT 7243 Kerma capture (mt102) 72-Hf-180  
 Cross Section -99.98 To 9999. %



MAT 7243

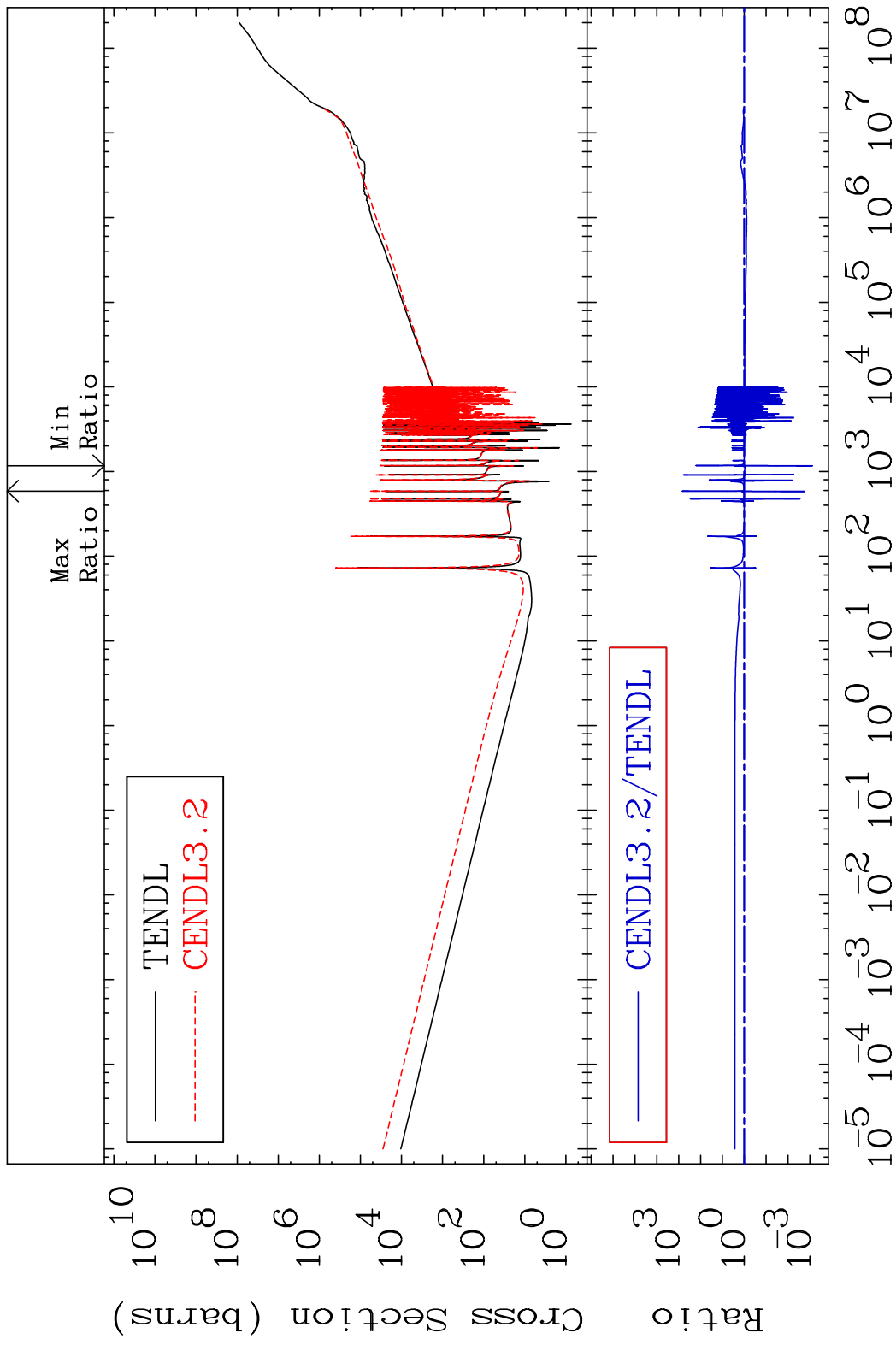
Total photon (eV-barns) 72-Hf-180  
Cross Section -99.99 To 9999. %



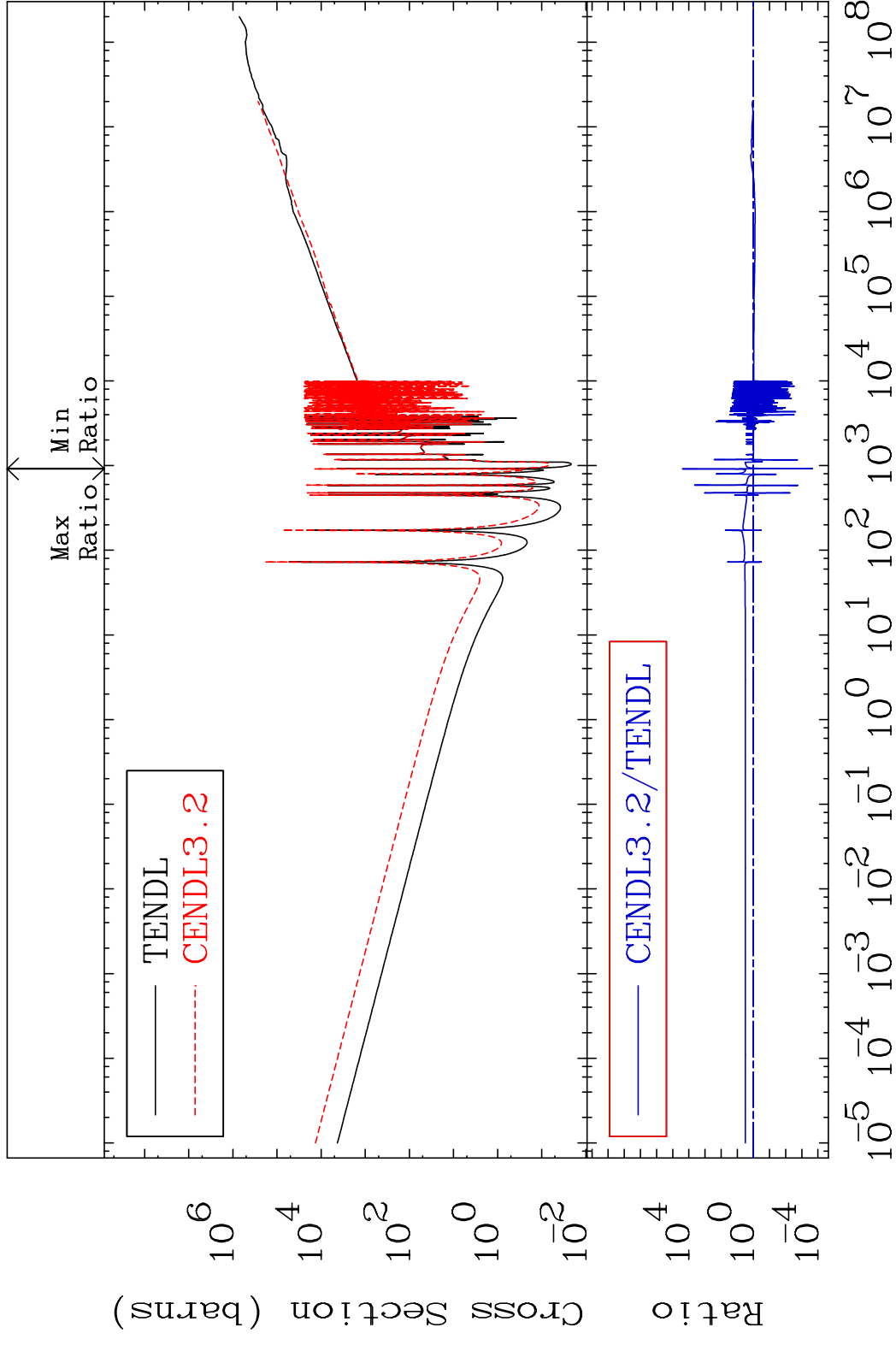
28

Incident Energy (eV) 72-Hf-180

MAT 7243 Total kinematic kerma (high limit) 72-Hf-180  
 Cross Section -99.92 To 9999. %



MAT 7243      Dpa total (eV-barns)      72-Hf-180  
 Cross Section      -99.98 To 9999. %

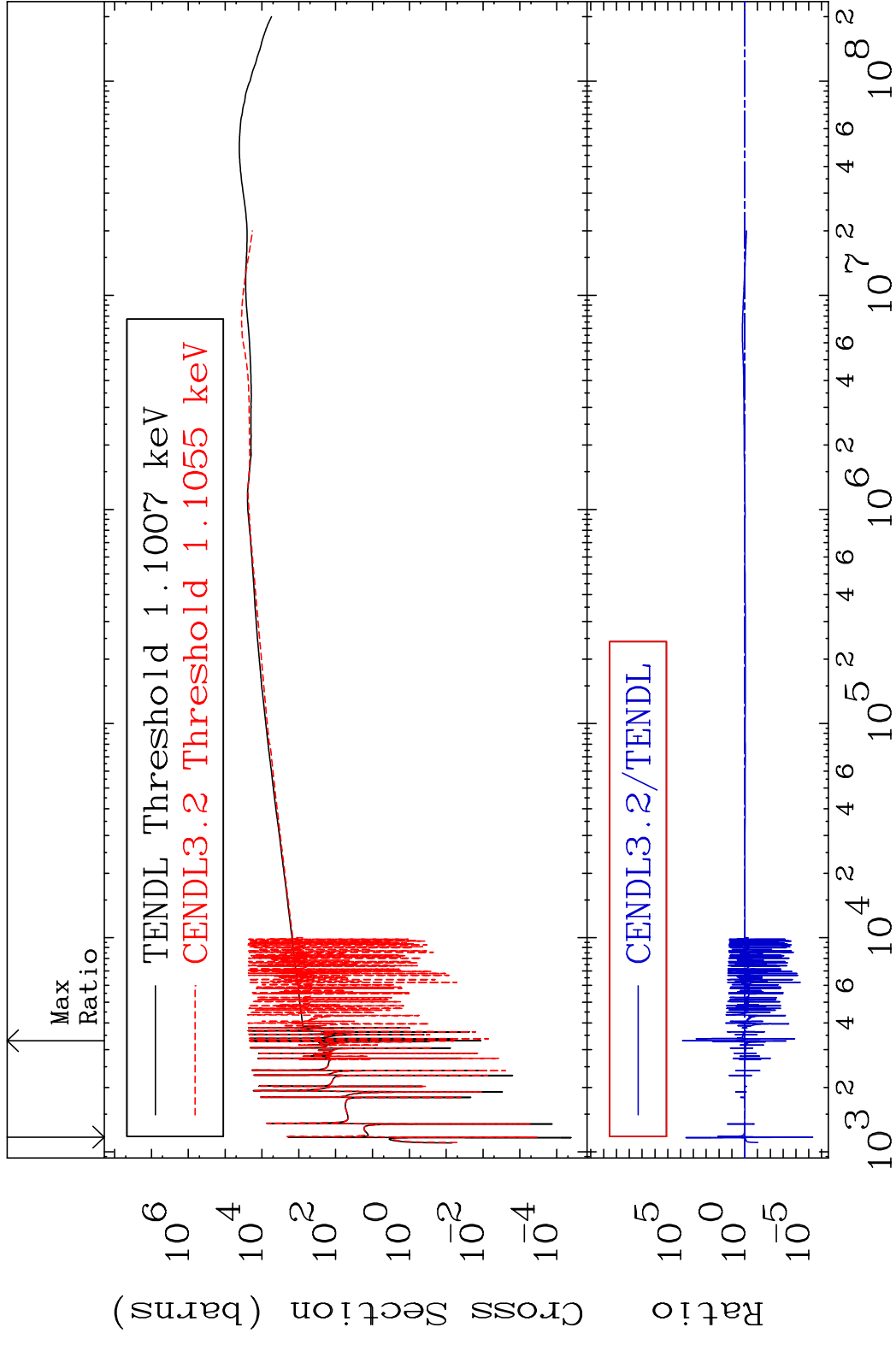


MAT 7243

Dpa elastic (mt2)

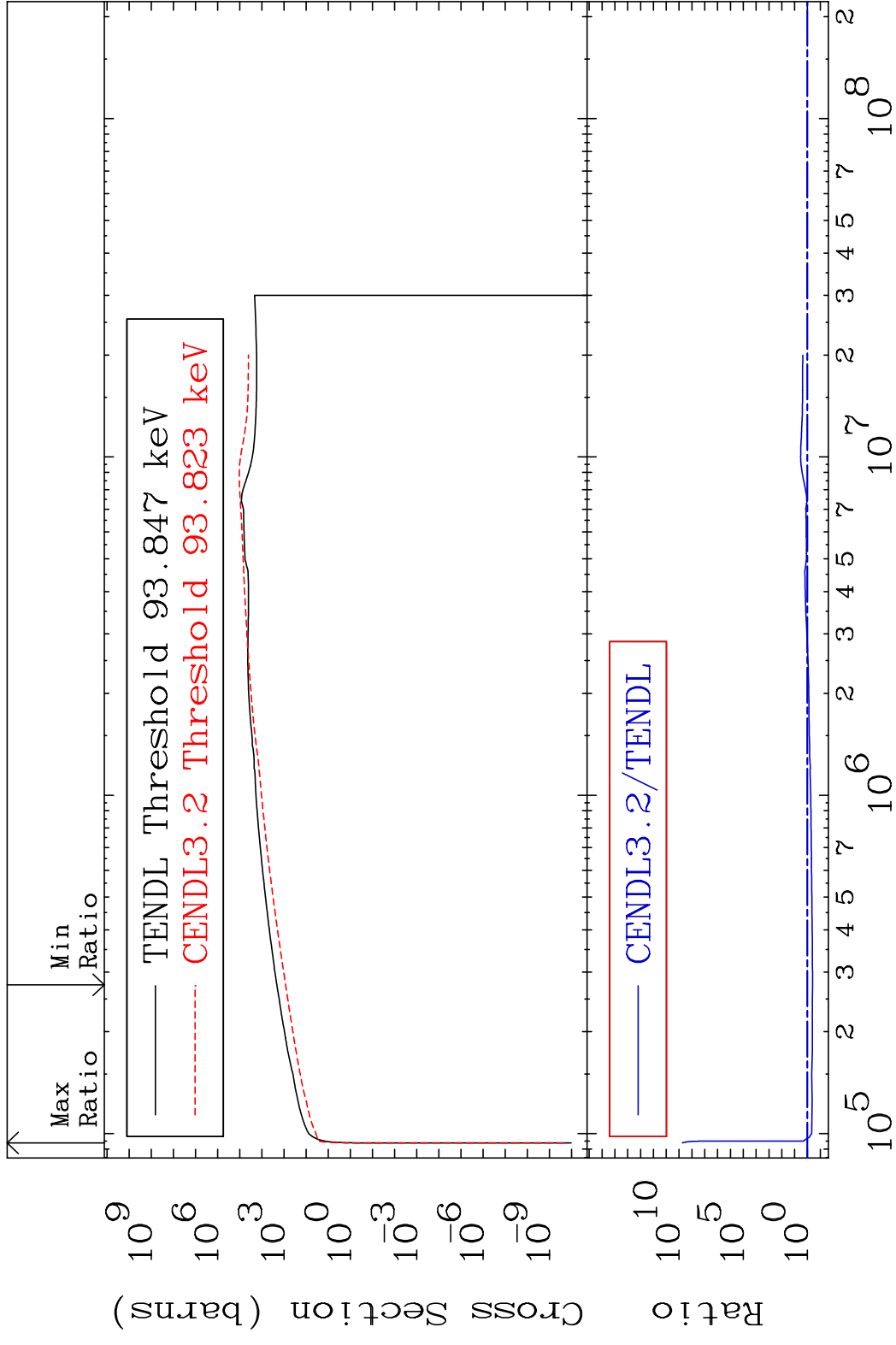
72-Hf-180

Cross Section -100.0 To 9999. %

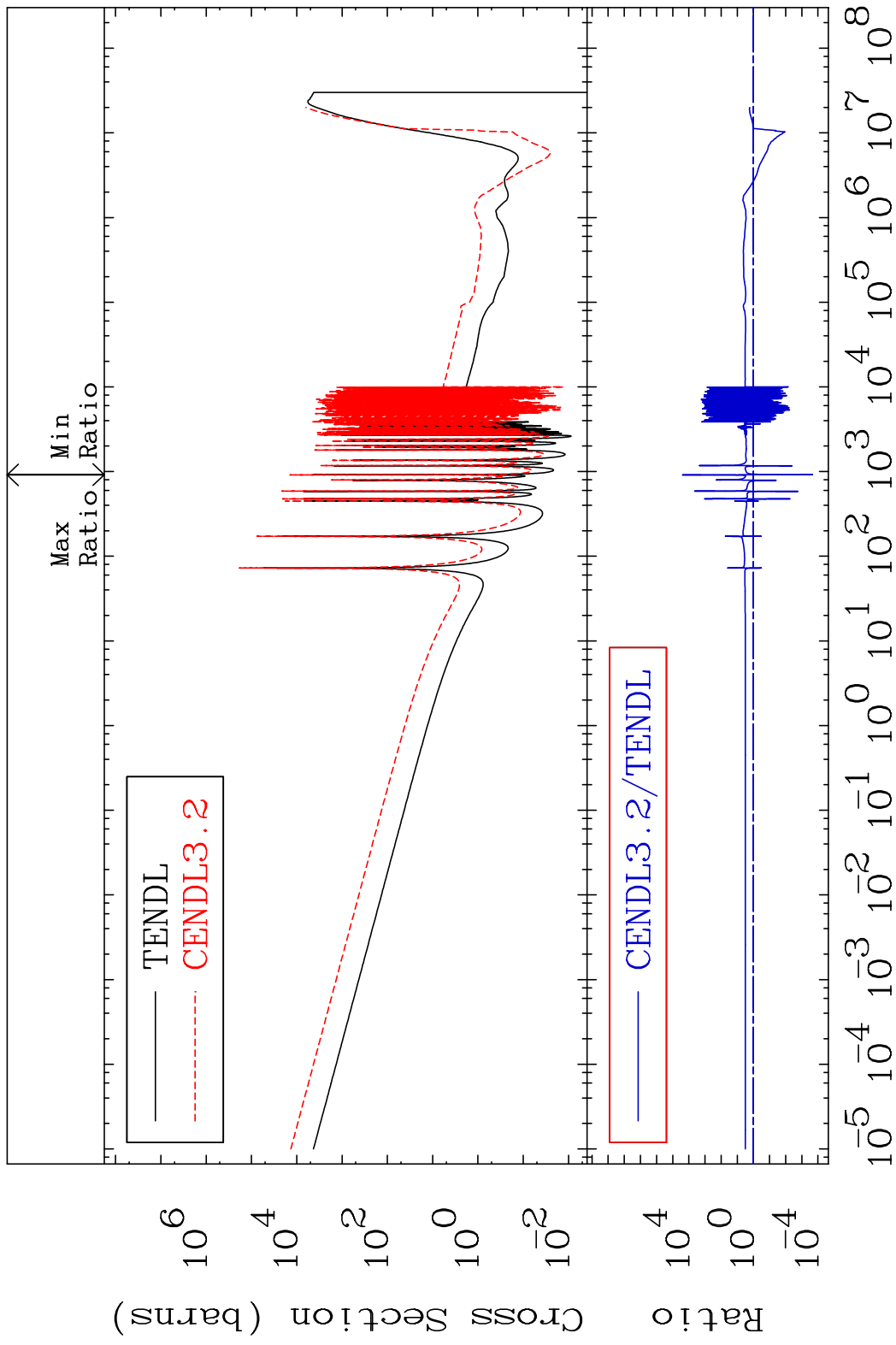




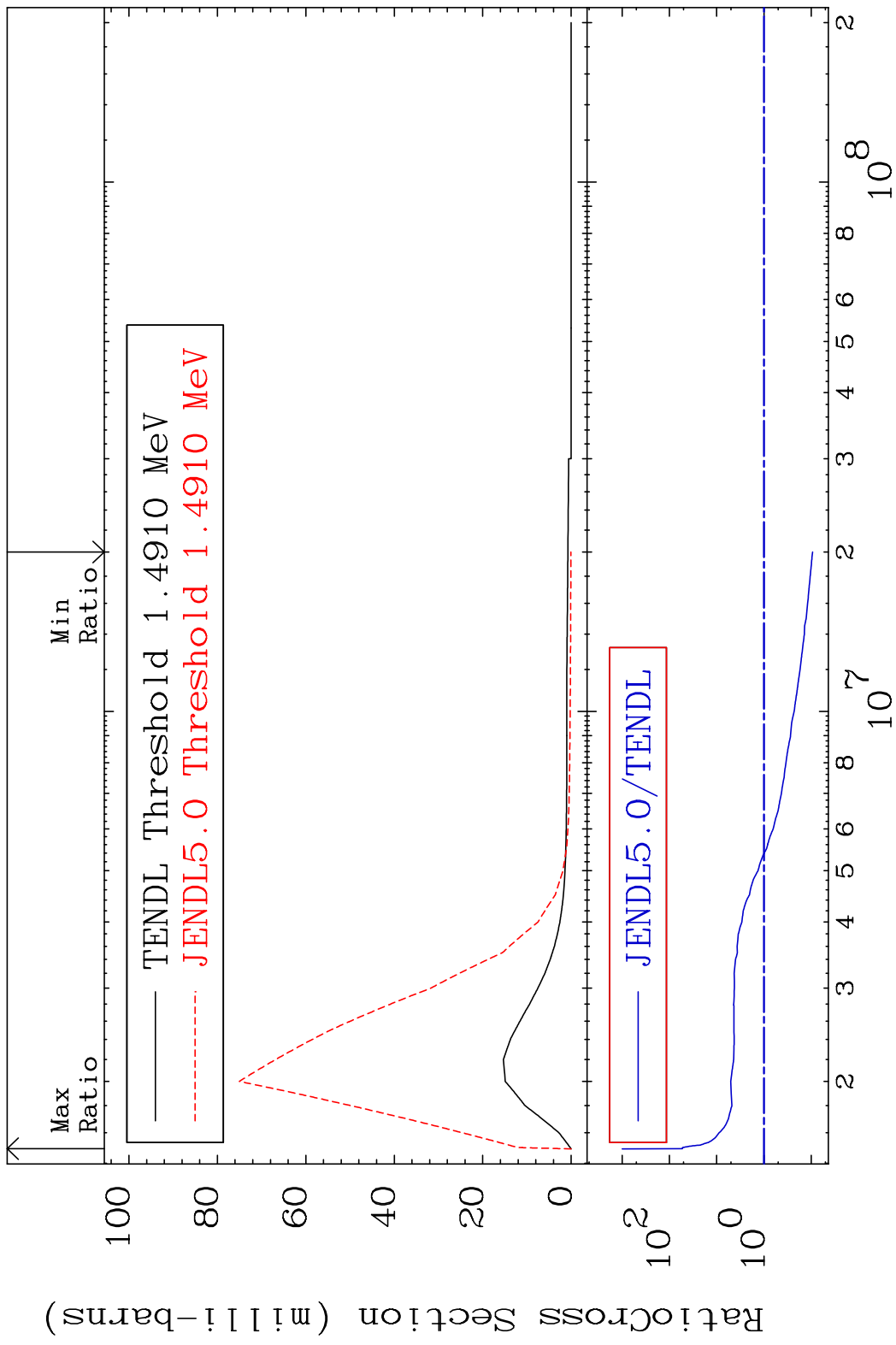
MAT 7243 Dpa inelastic (mt51-91) 72-Hf-180  
 Cross Section -59.92 To 9999. %



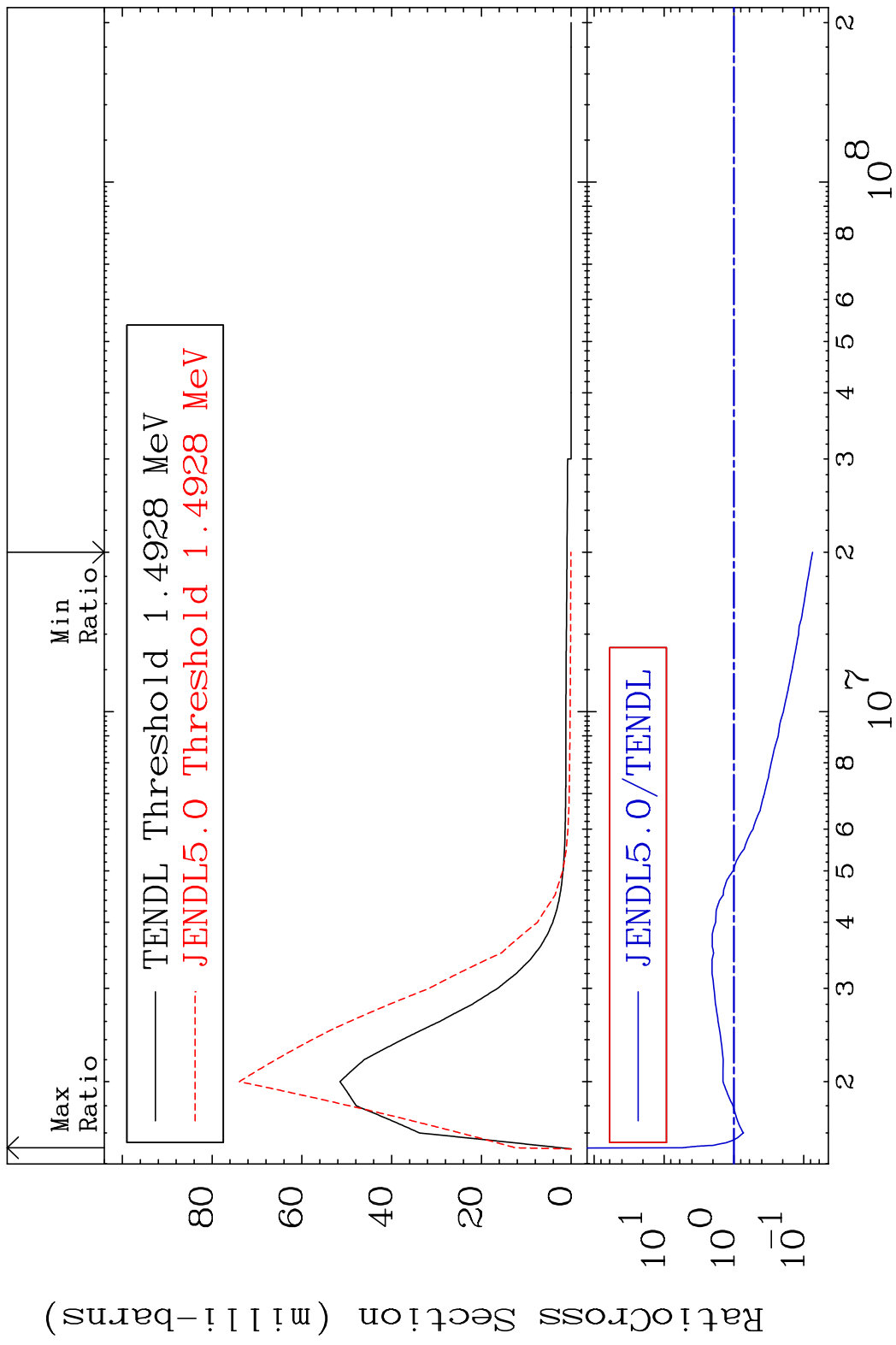
MAT 7243 Dpa disappearance (mt102 -120) 72-Hf-180  
 Cross Section -99.98 To 9999. %



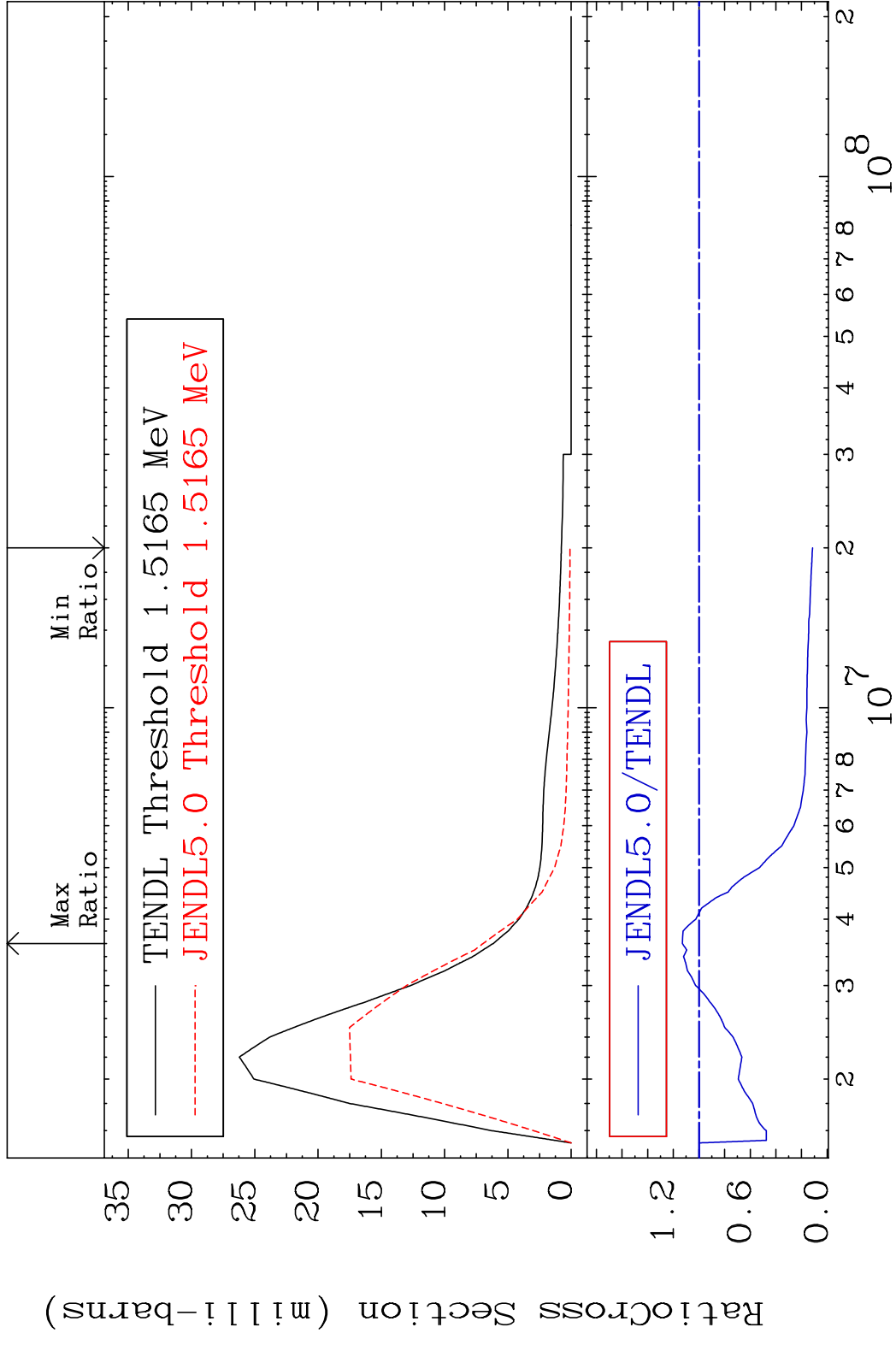
MAT 7243 MT= 76 (n,n') Level 72-Hf-180  
 Cross Section -90.65 To 5221. %



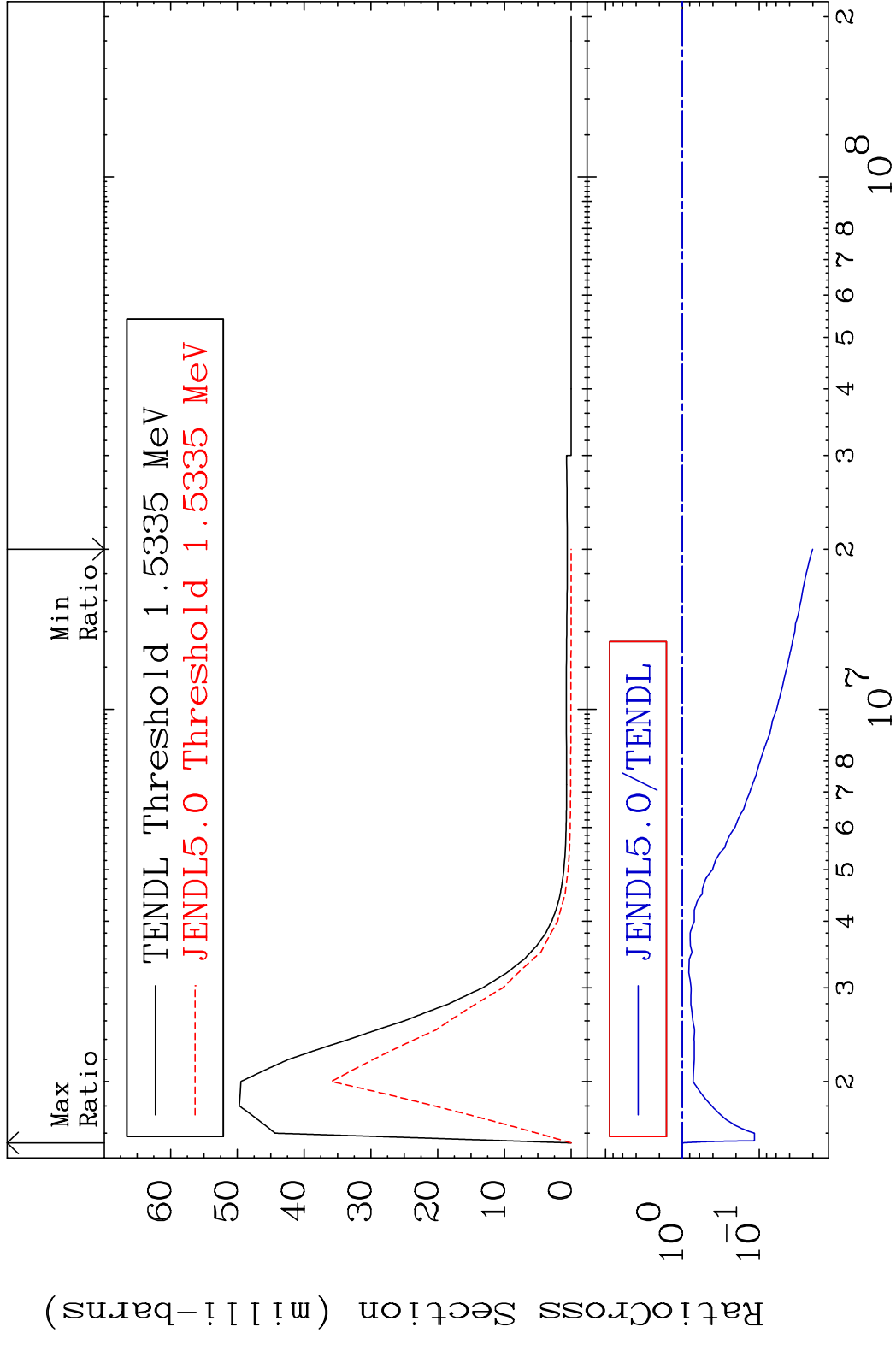
MAT 7243 MT= 77 (n,n') Level 72-Hf-180  
 Cross Section -92.51 To 447.4 %



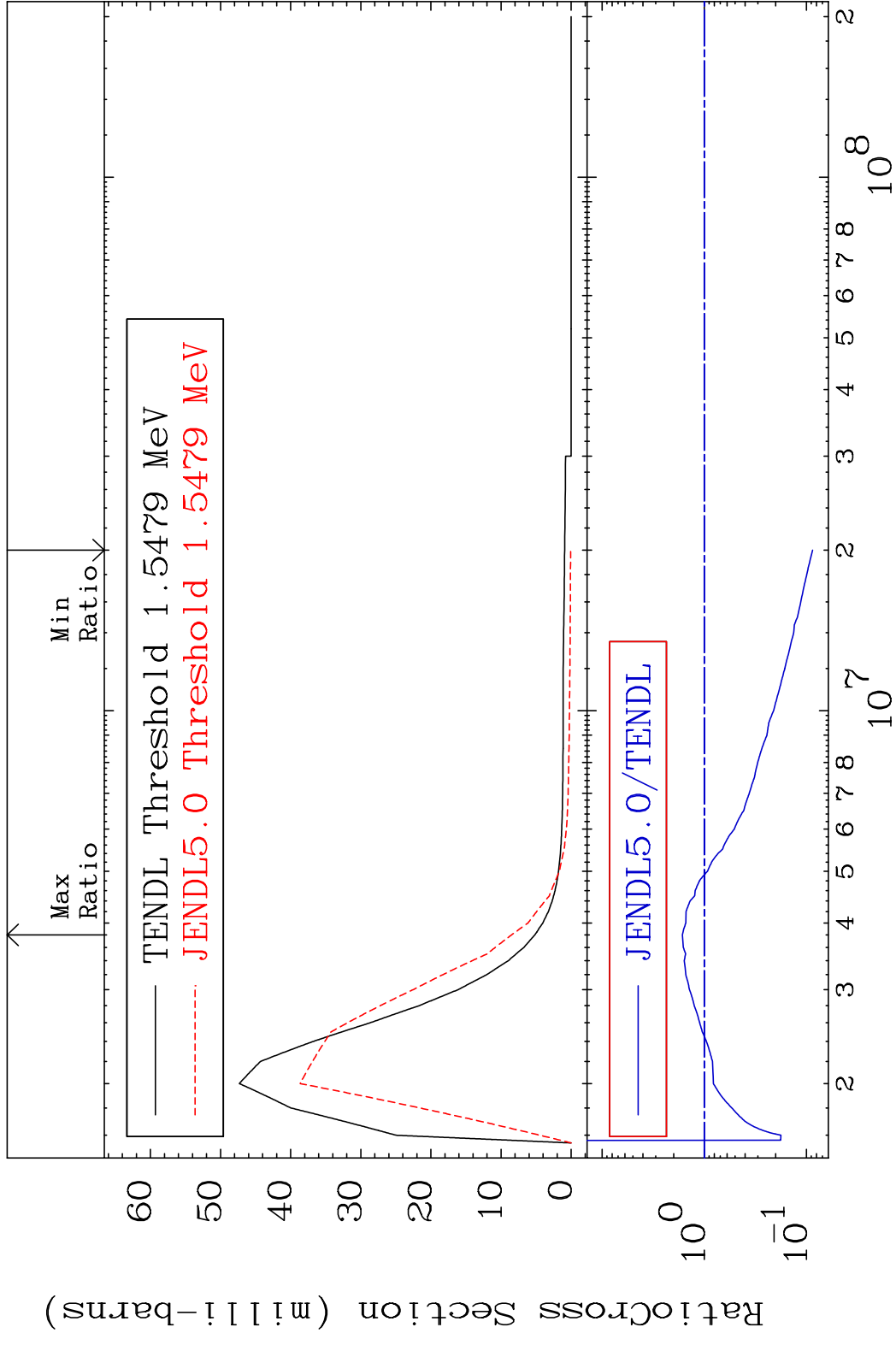
MAT 7243 MT= 78 (n, n') Level 72-Hf-180  
 Cross Section -88.60 To 12.95 %



MAT 7243 MT= 79 (n,n') Level 72-Hf-180  
 Cross Section -97.99 To 0.000 %



MAT 7243 MT= 80 (n, n') Level 72-Hf-180  
 Cross Section -91.27 To 64.22 %

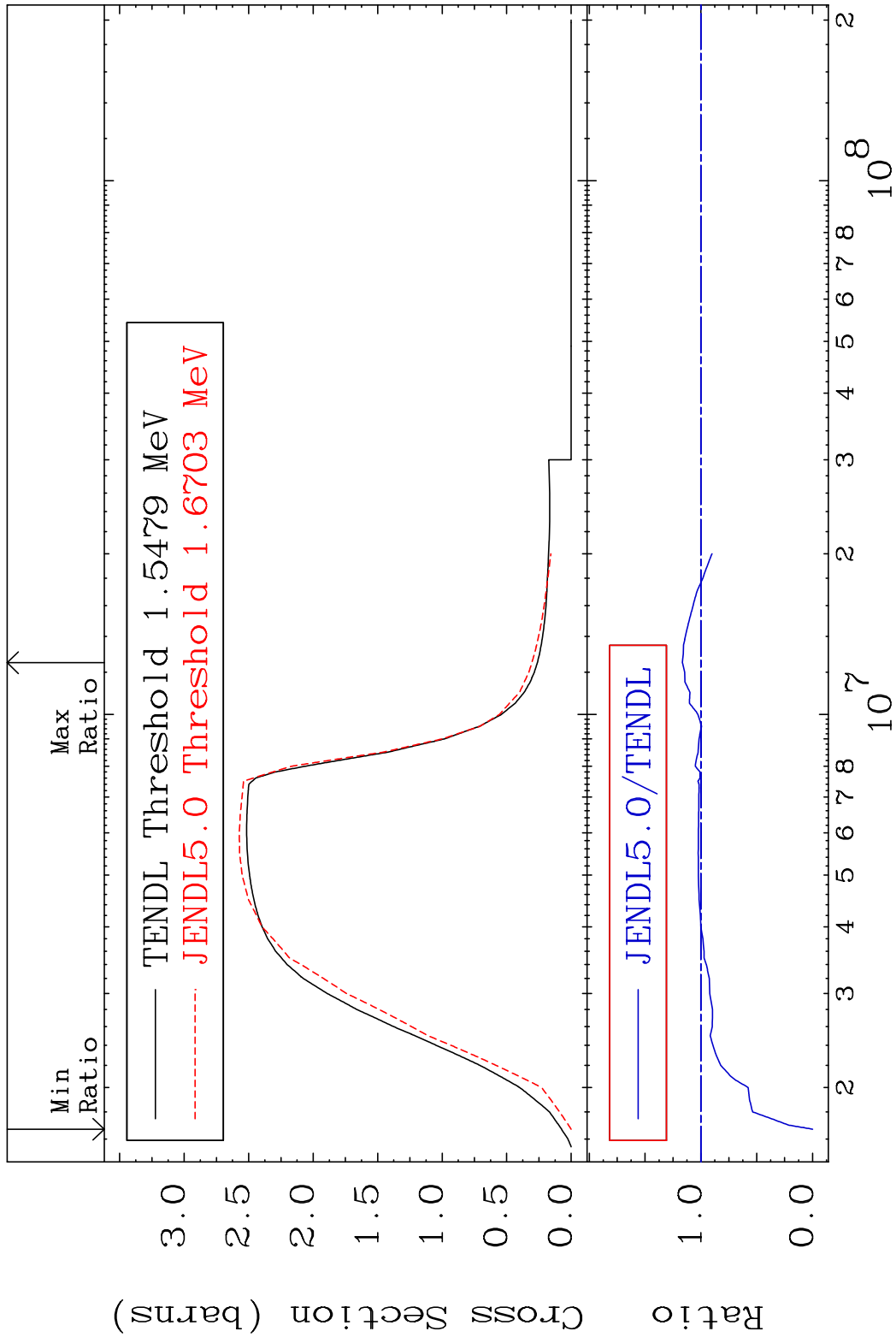


MAT 7243

(n, n') Continuum

72-Hf-180

Cross Section -100.0 To 16.61 %



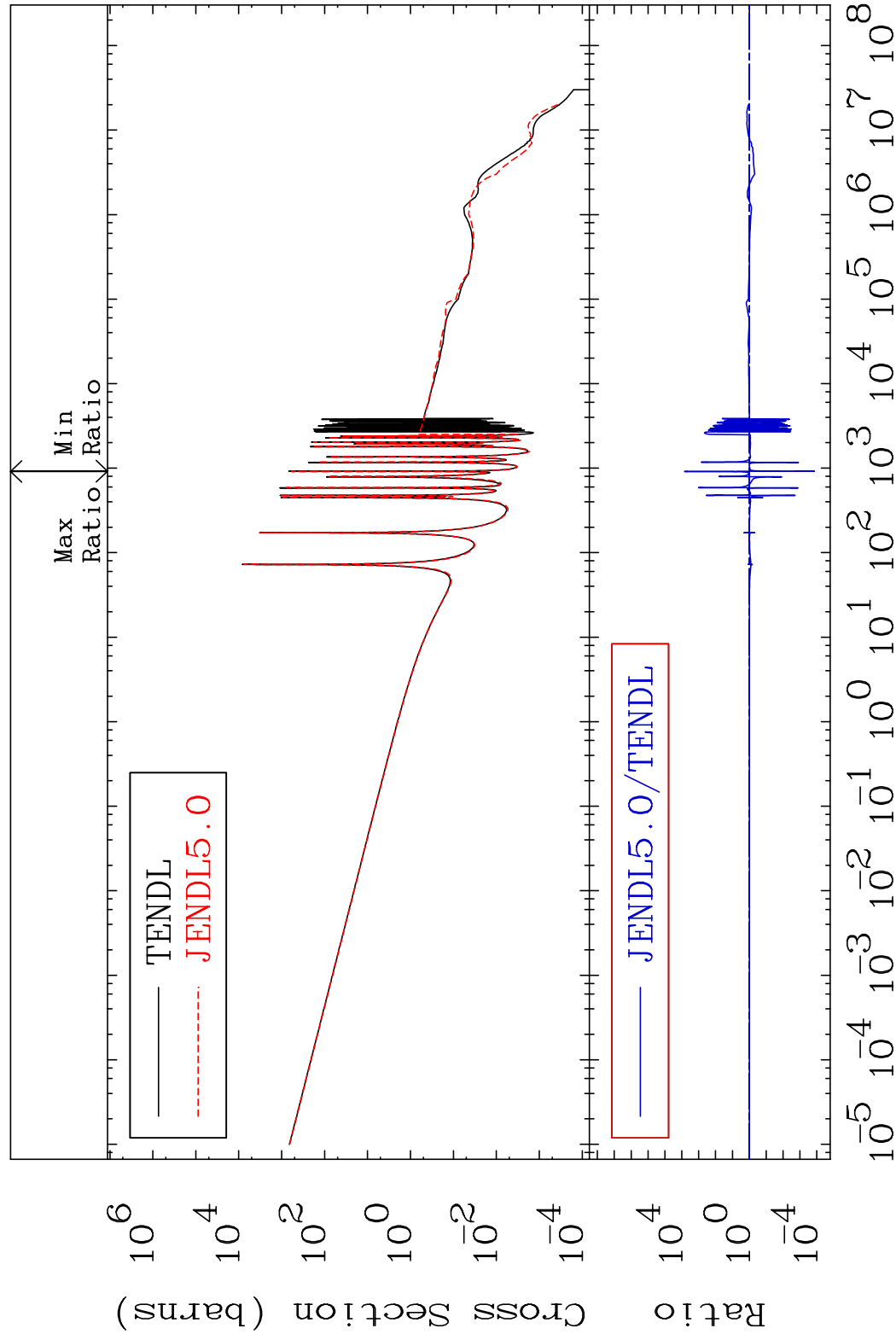


MAT 7243

(n,  $\gamma$ )

72-Hf-180

Cross Section -99.99 To 9999. %



40

Incident Energy (eV)

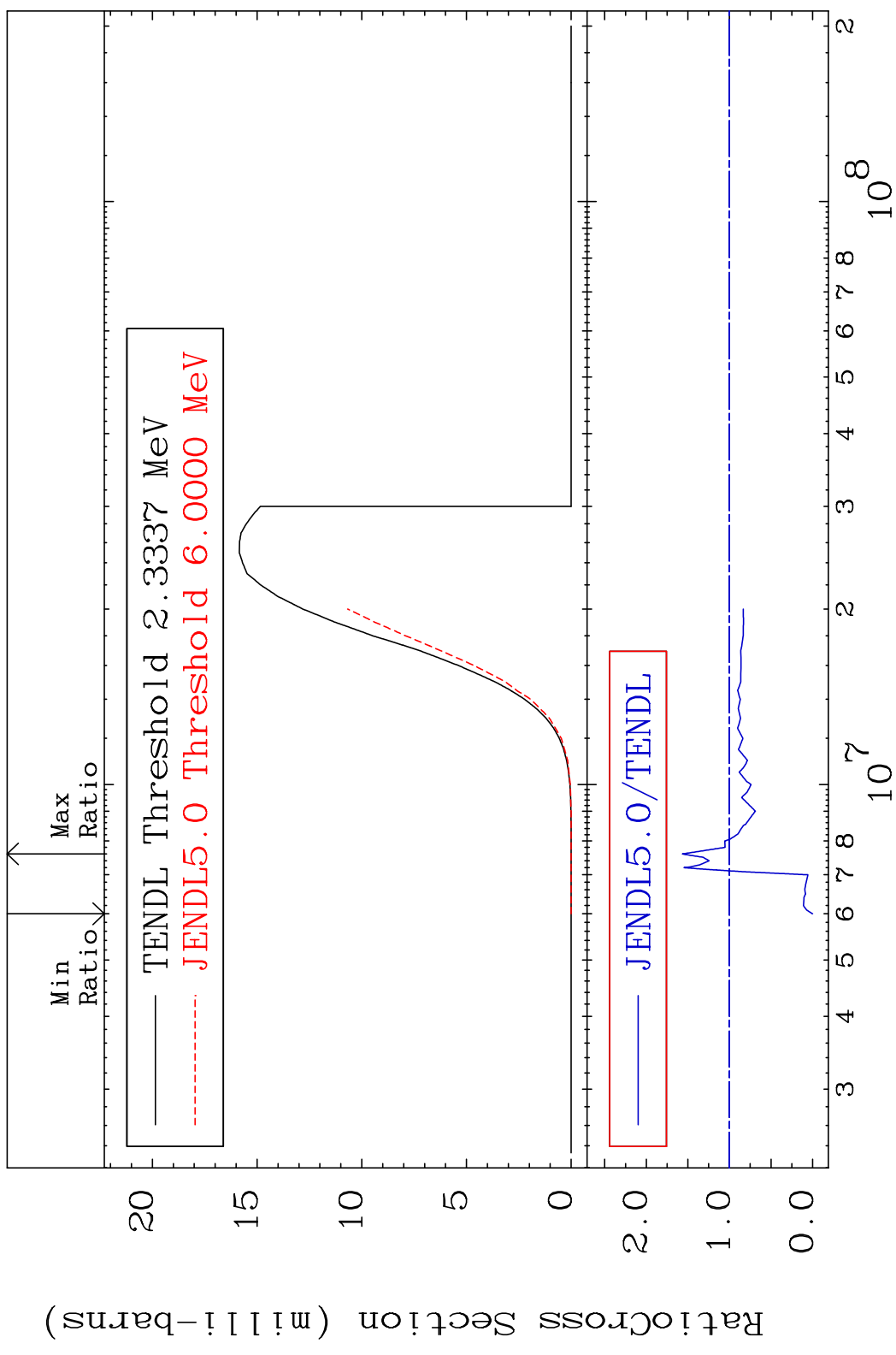
72-Hf-180

MAT 7243

(n,p)

72-Hf-180

Cross Section -100.0 To 56.61 %

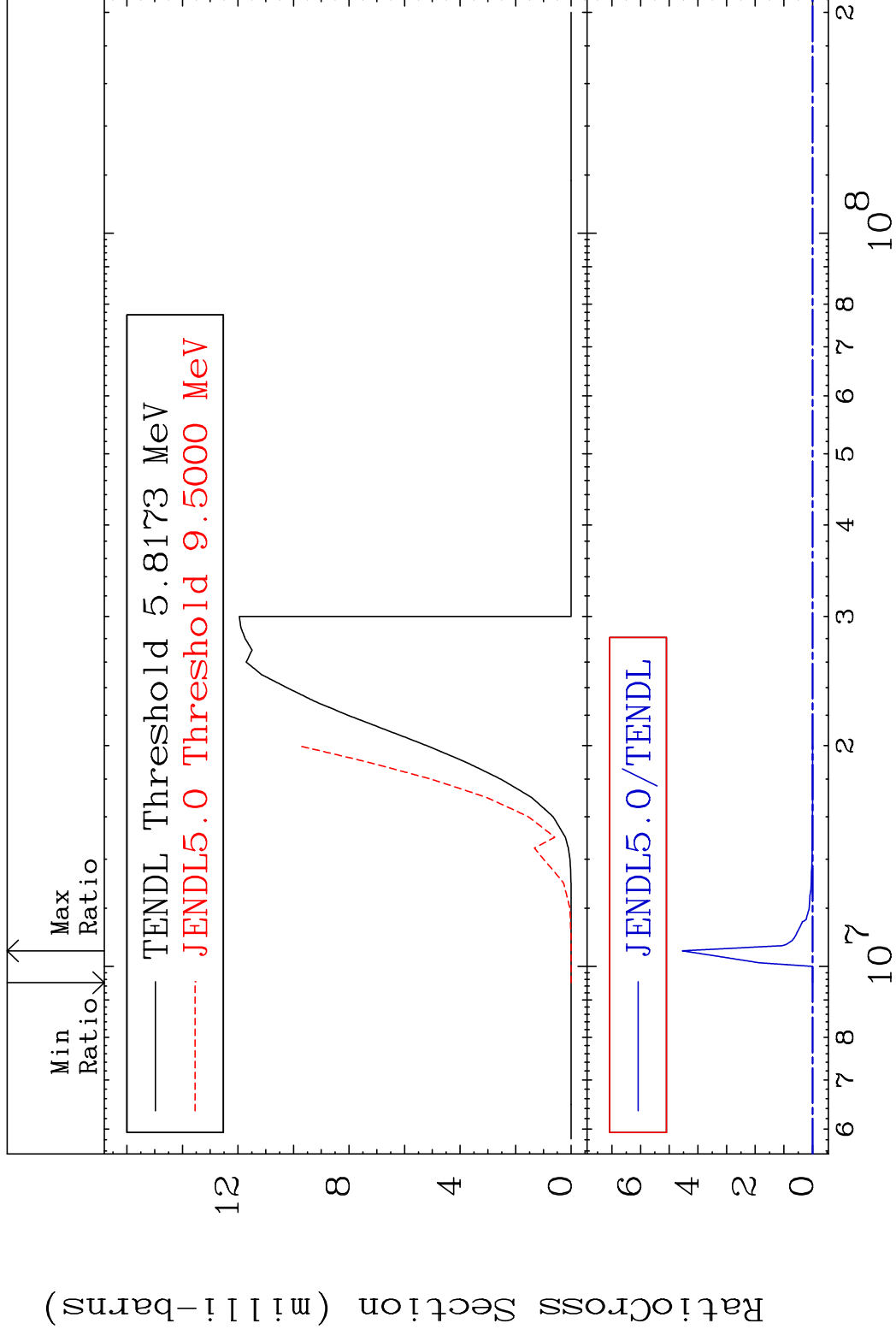


MAT 7243

(n,d)

72-Hf-180

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

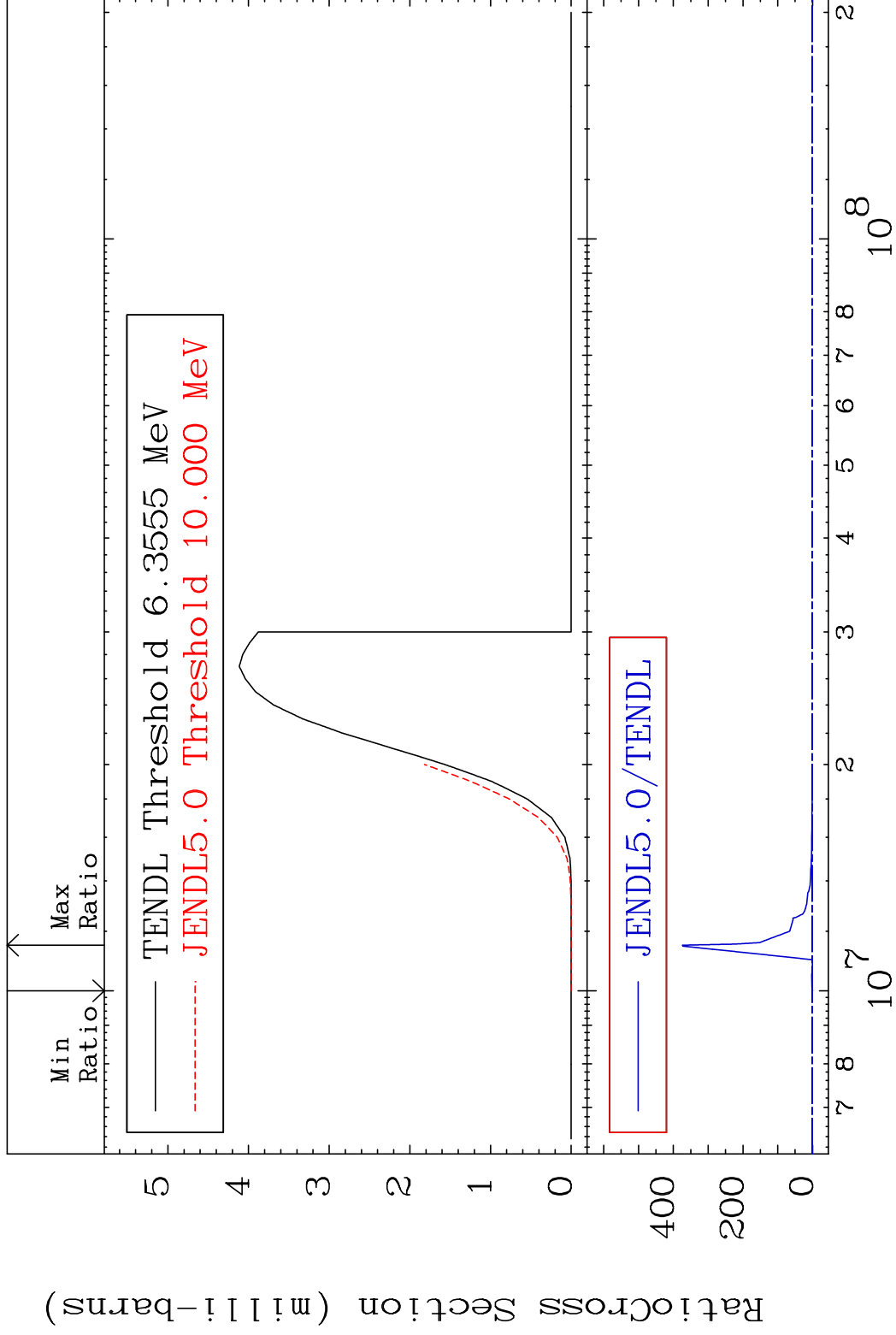
72-Hf-180

MAT 7243

(n, t)

72-Hf-180

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

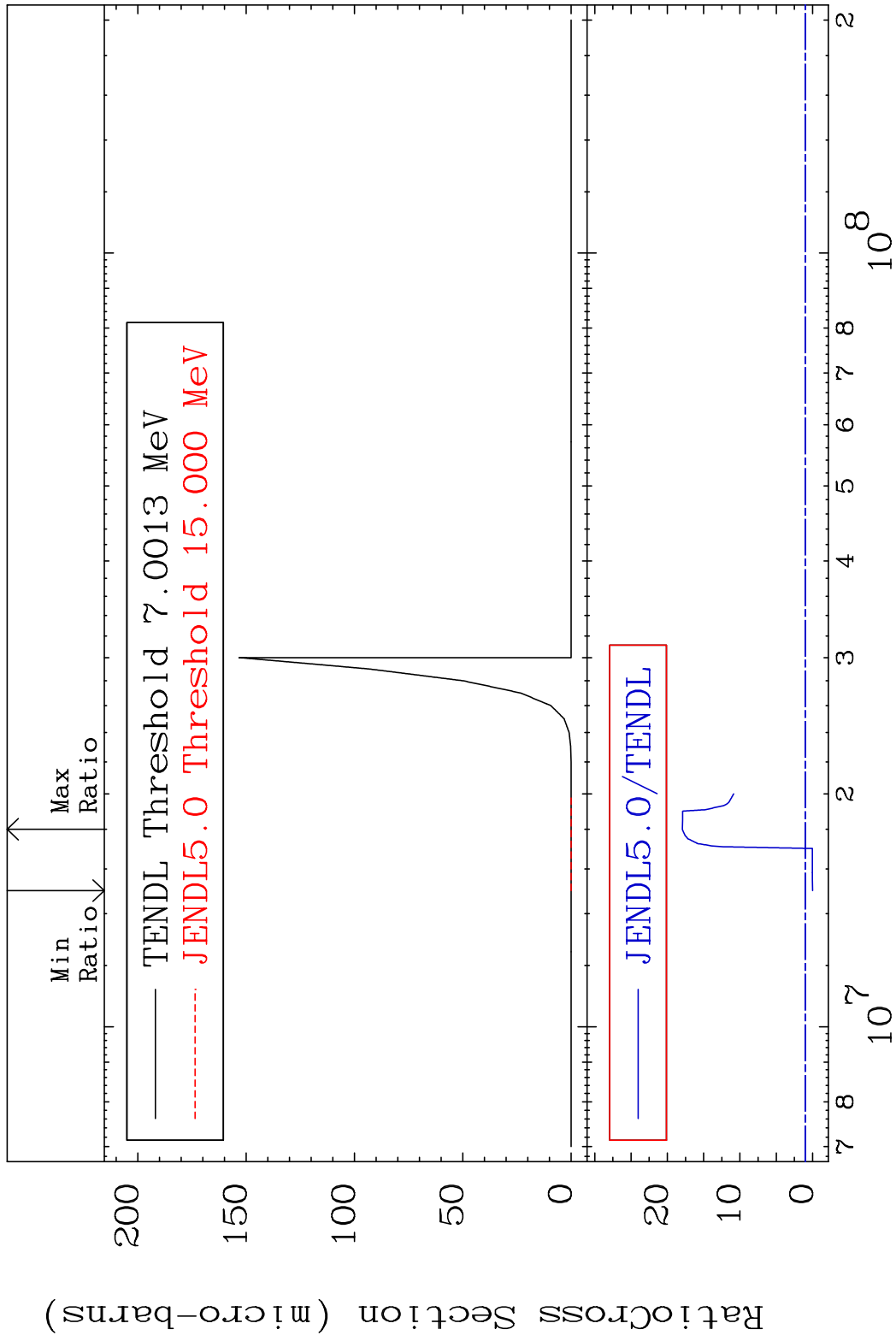
72-Hf-180

MAT 7243

(n, He-3)

72-Hf-180

Cross Section -100.0 To 1693. %



44

Incident Energy (eV)

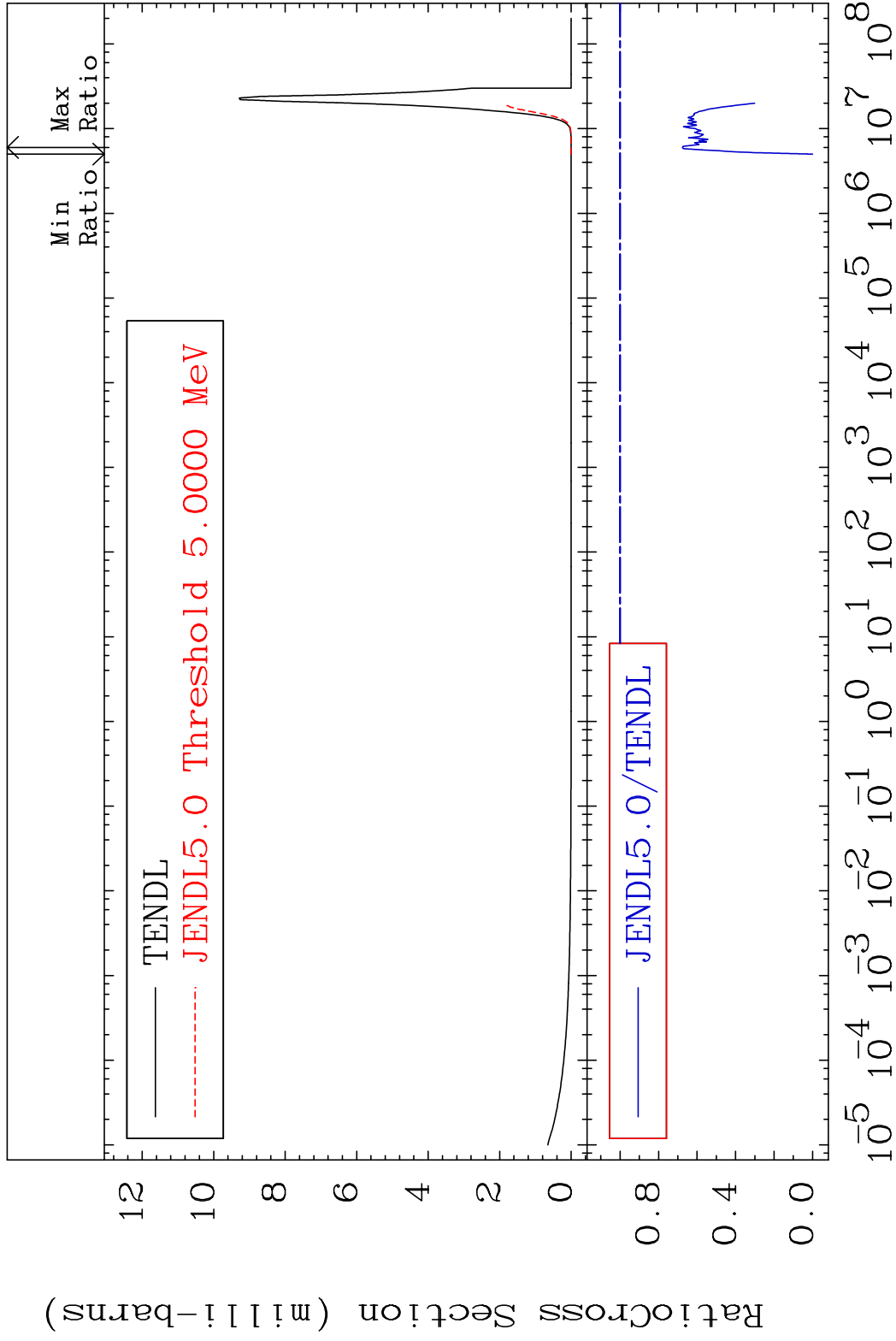
72-Hf-180

MAT 7243

(n,  $\alpha$ )

72-Hf-180

Cross Section -100.0 To -32.35%

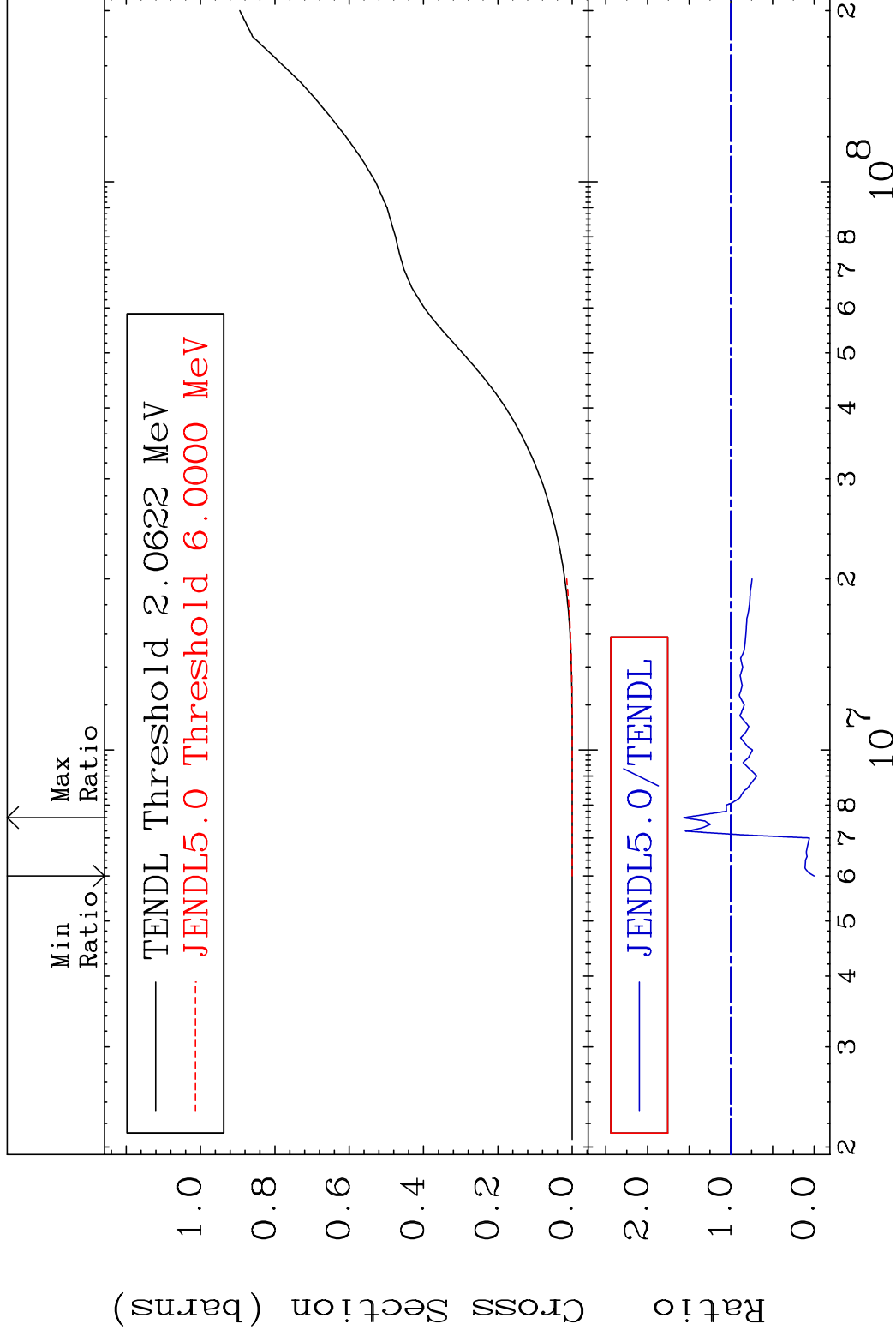


MAT 7243

Hydrogen Production

72-Hf-180

Cross Section -100.0 To 56.61 %



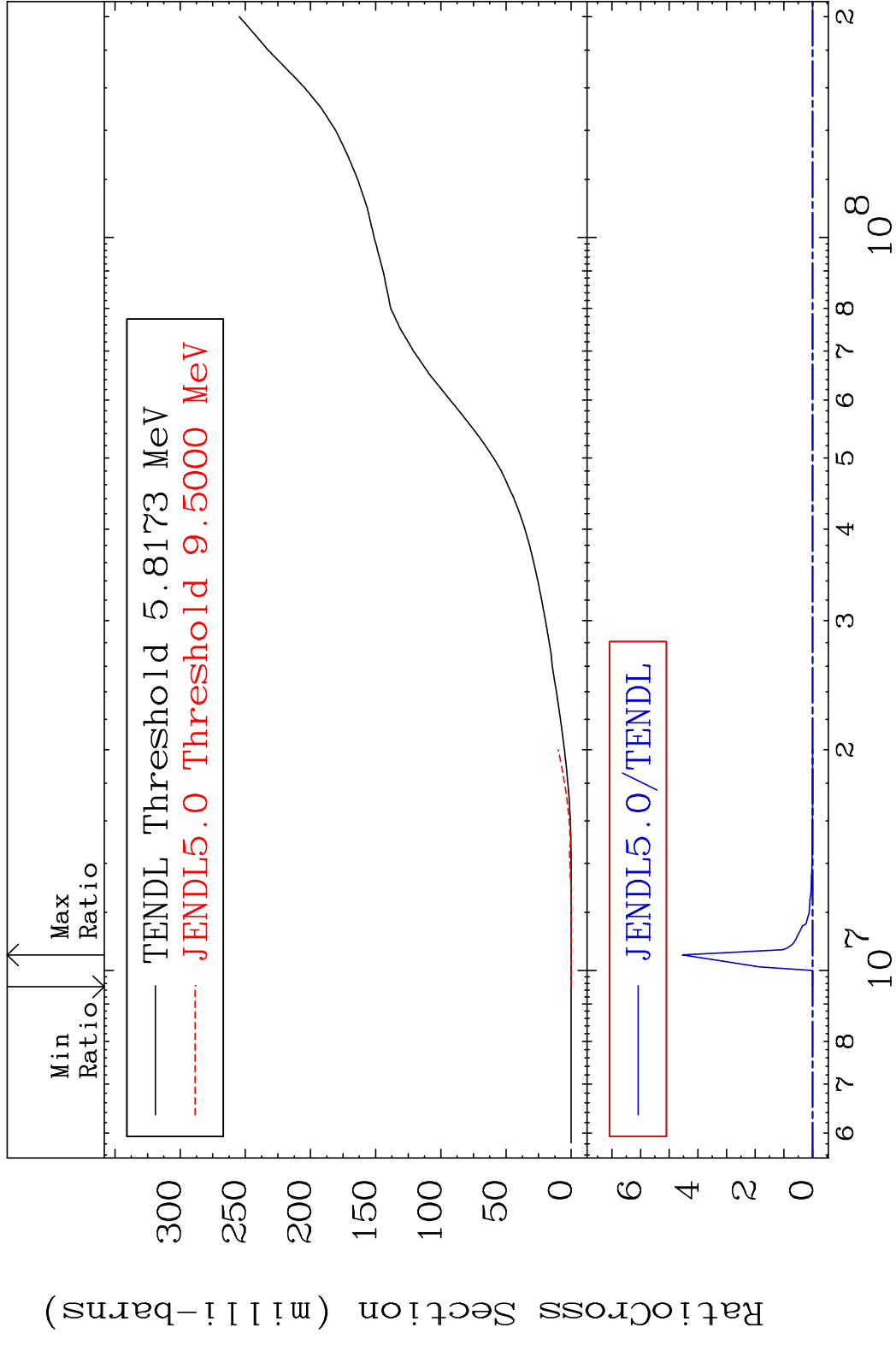
46

Incident Energy (eV)

72-Hf-180

MAT 7243

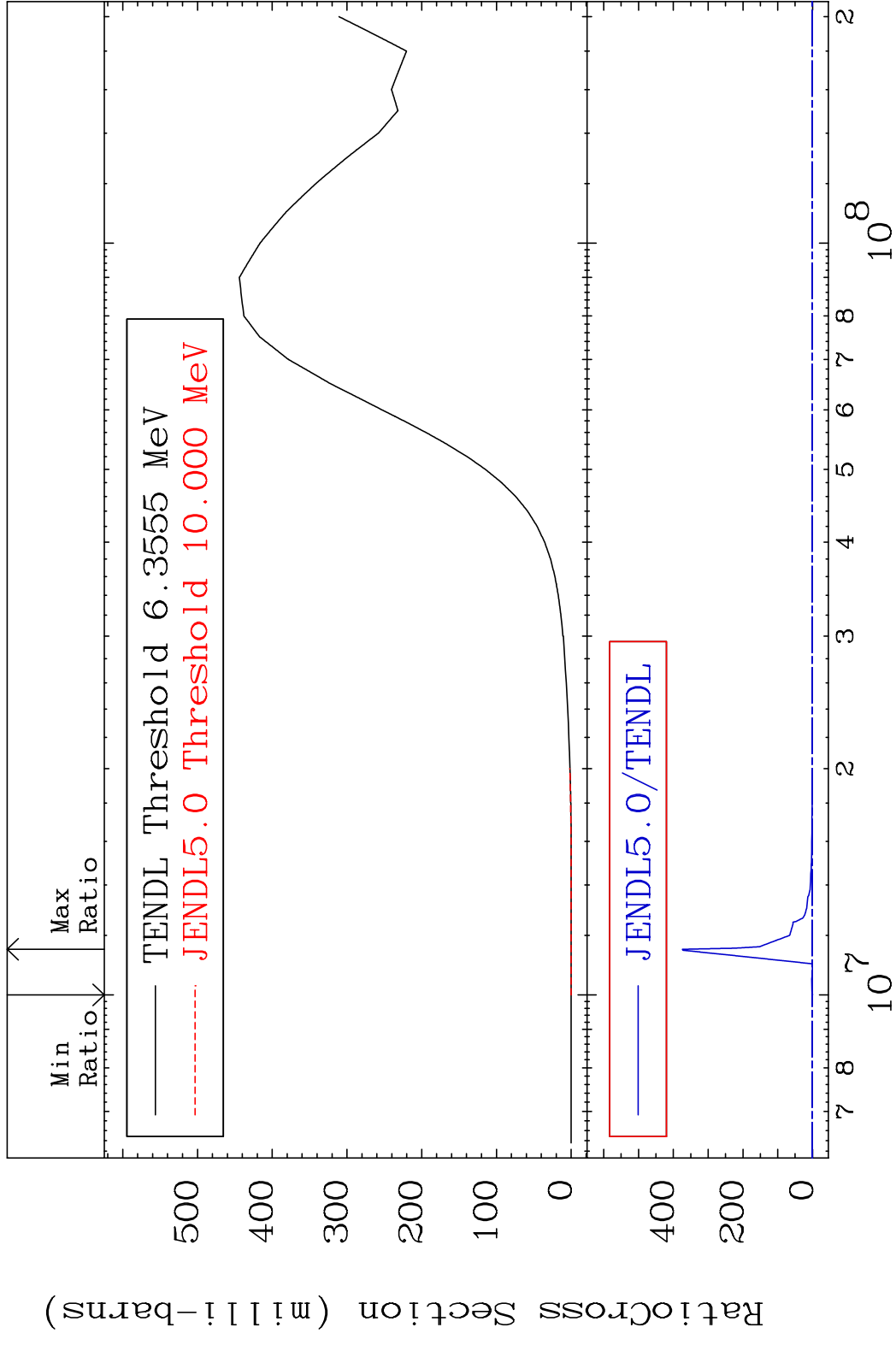
Deuterium Production 72-Hf-180  
Cross Section -100.0 To 9999. %





MAT 7243

Tritium Production 72-Hf-180  
Cross Section -100.0 To 9999. %

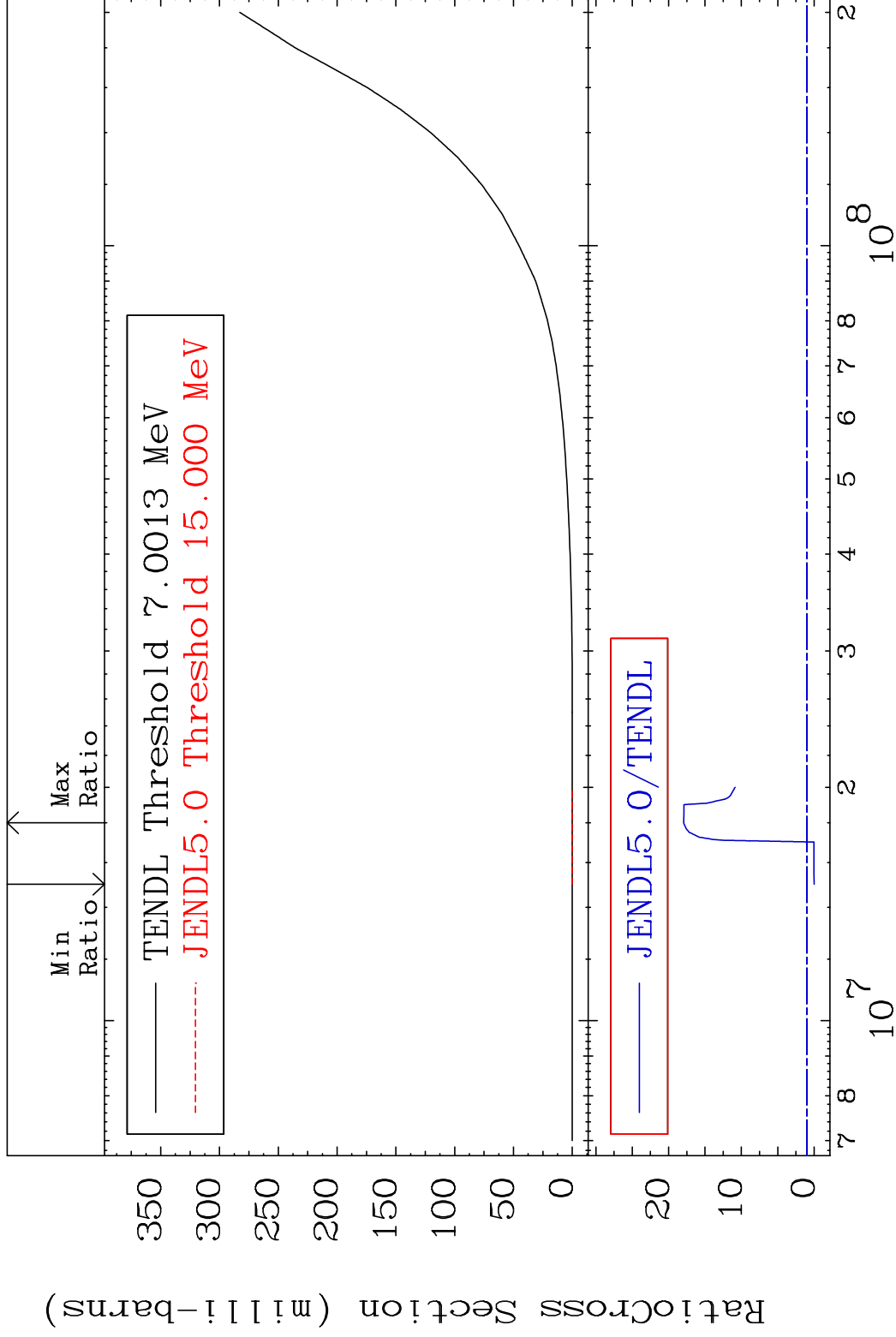


MAT 7243

He-3 Production

72-Hf-180

Cross Section -100.0 To 1693. %



49

Incident Energy (eV)

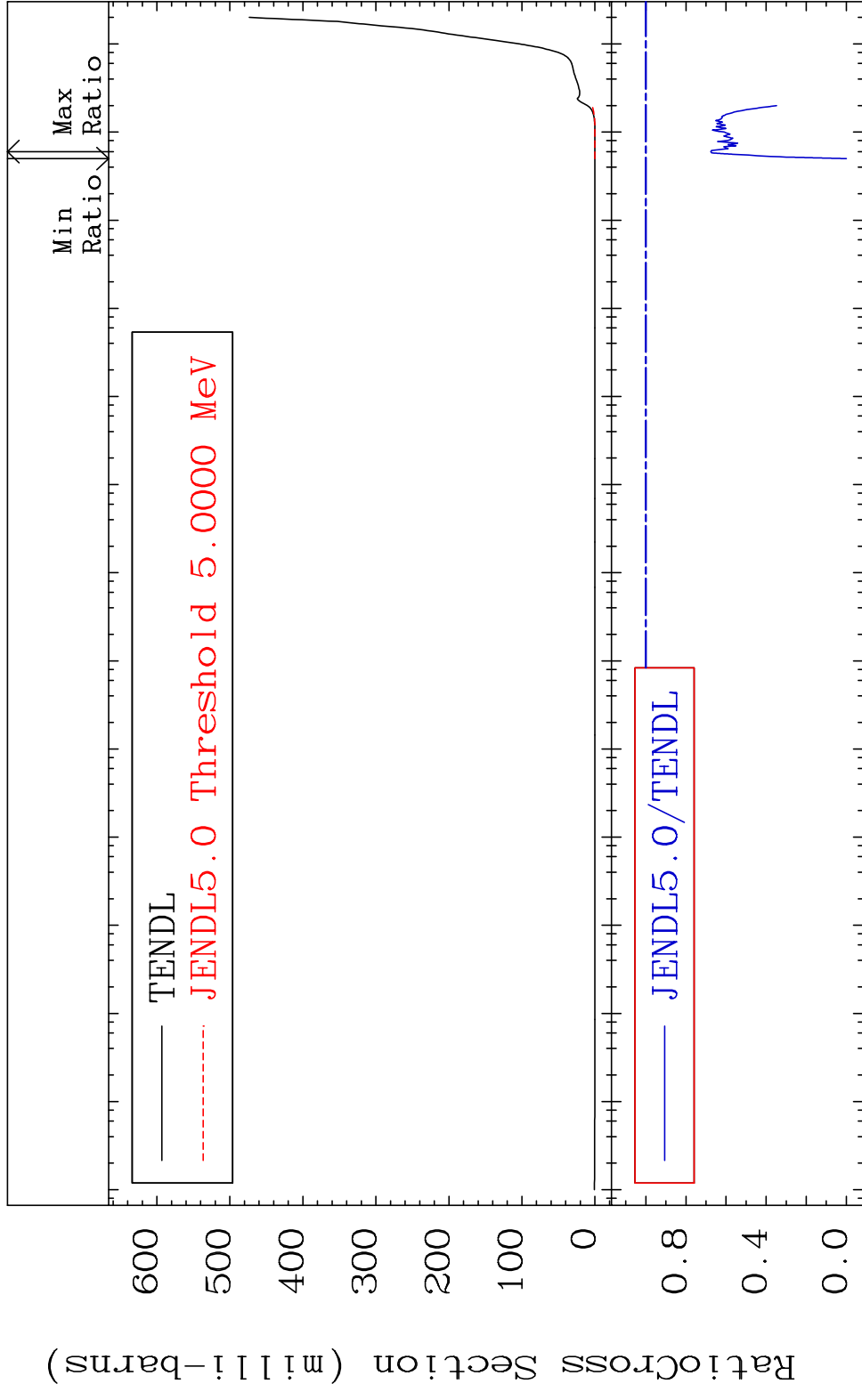
72-Hf-180

MAT 7243

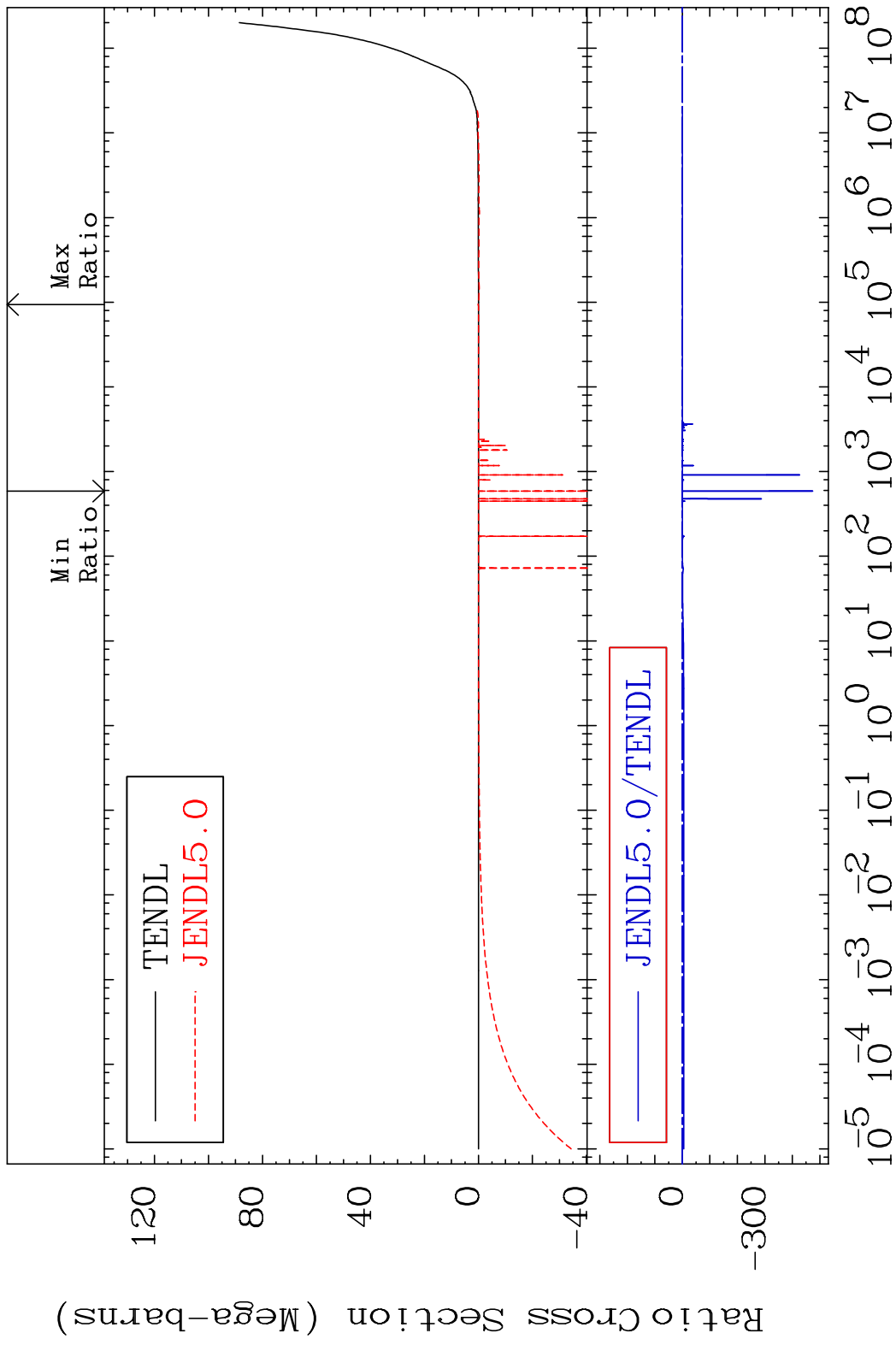
He-4 Production

72-Hf-180

Cross Section -100.0 To -32.35%

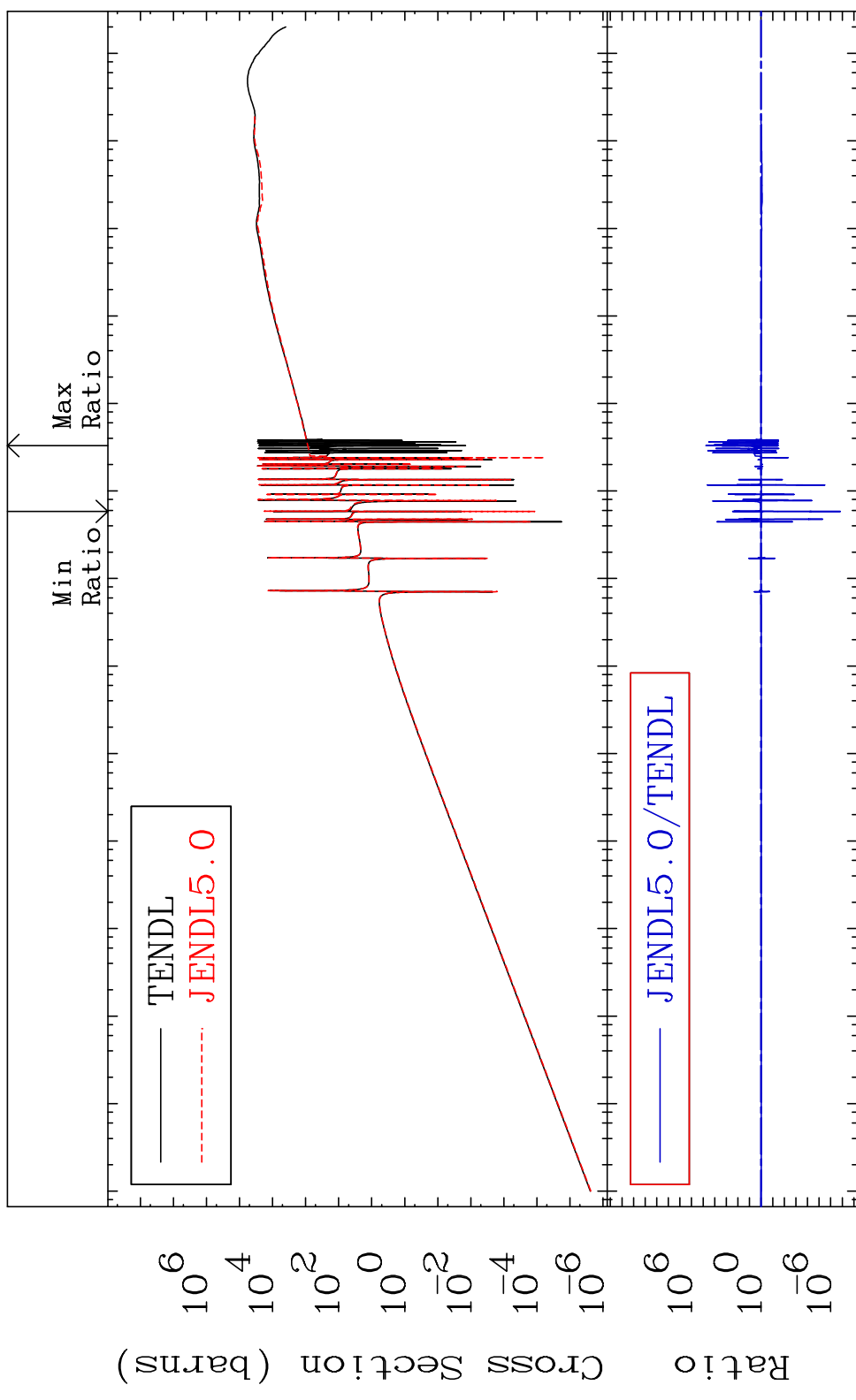


MAT 7243 Kerma total (eV-barns) 72-Hf-180  
 Cross Section -9999. To 1928. %

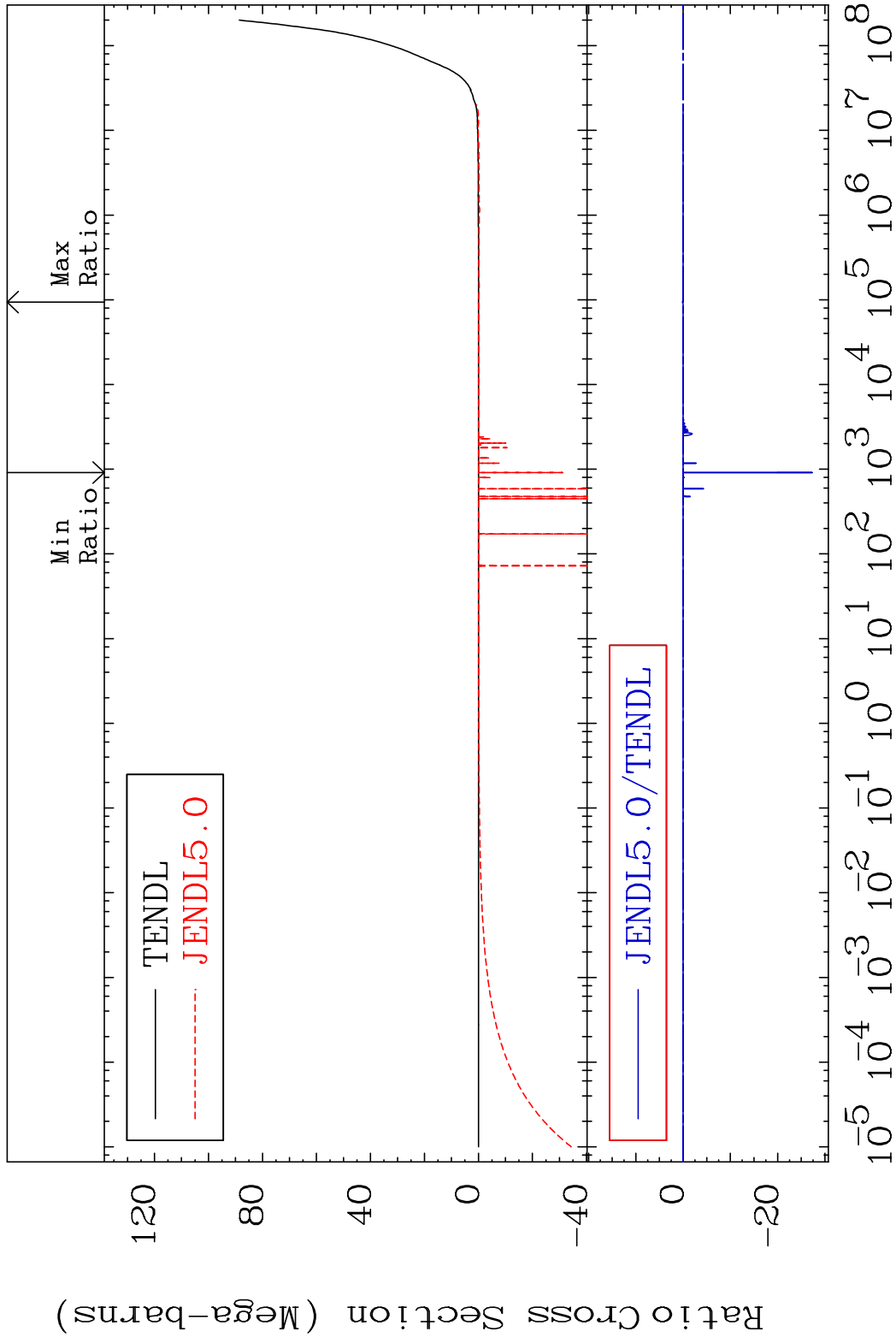


MAT 7243

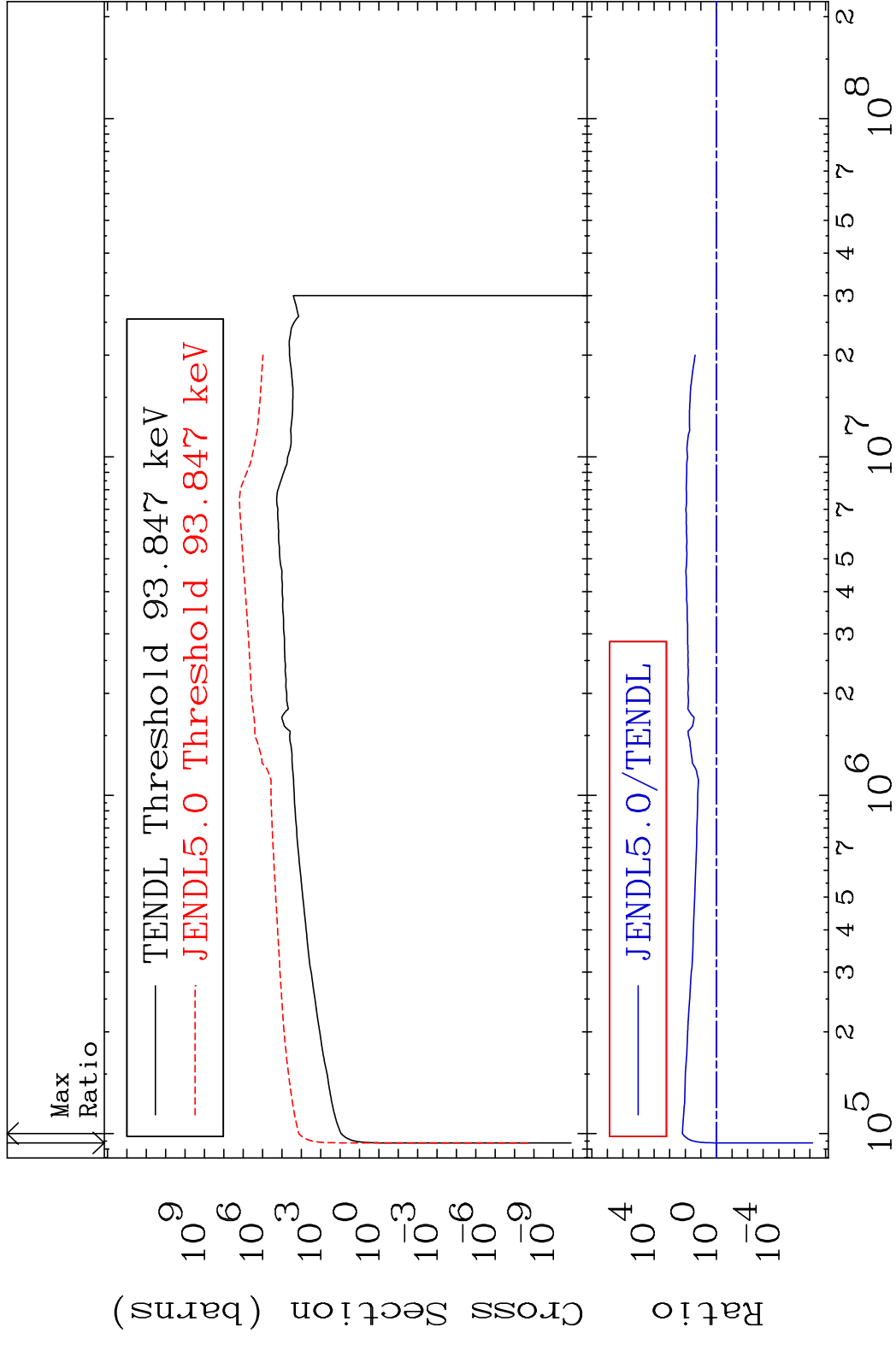
Kerma elastic Cross Section -100.0 To 9999. %  
72-Hf-180



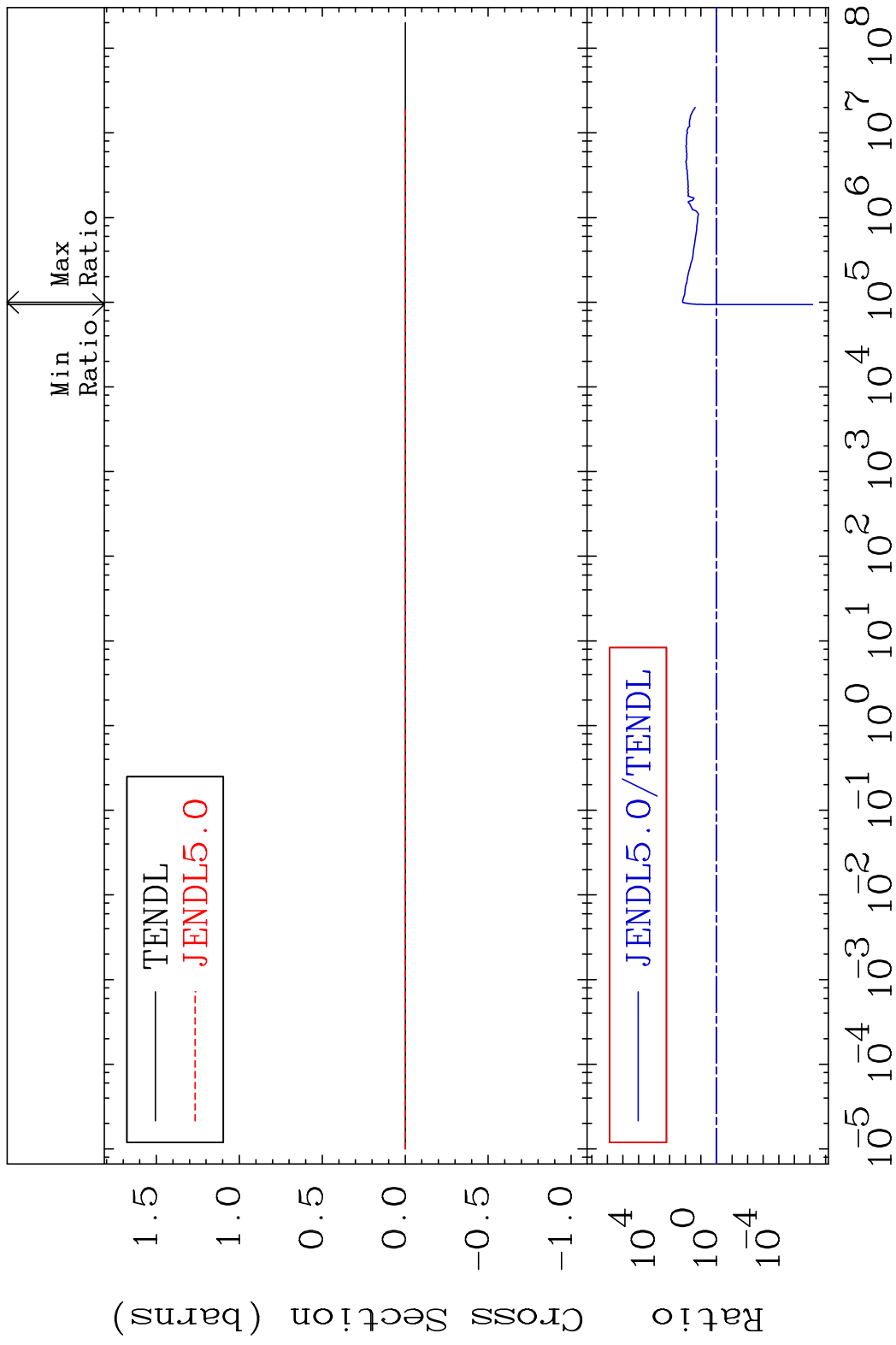
MAT 7243 Kerma non-elastic (all but mt2) 72-Hf-180  
Cross Section -9999. To 9999. %



MAT 7243 Kerma inelastic (mt51-91) 72-Hf-180  
 Cross Section -100.0 To 9999. %



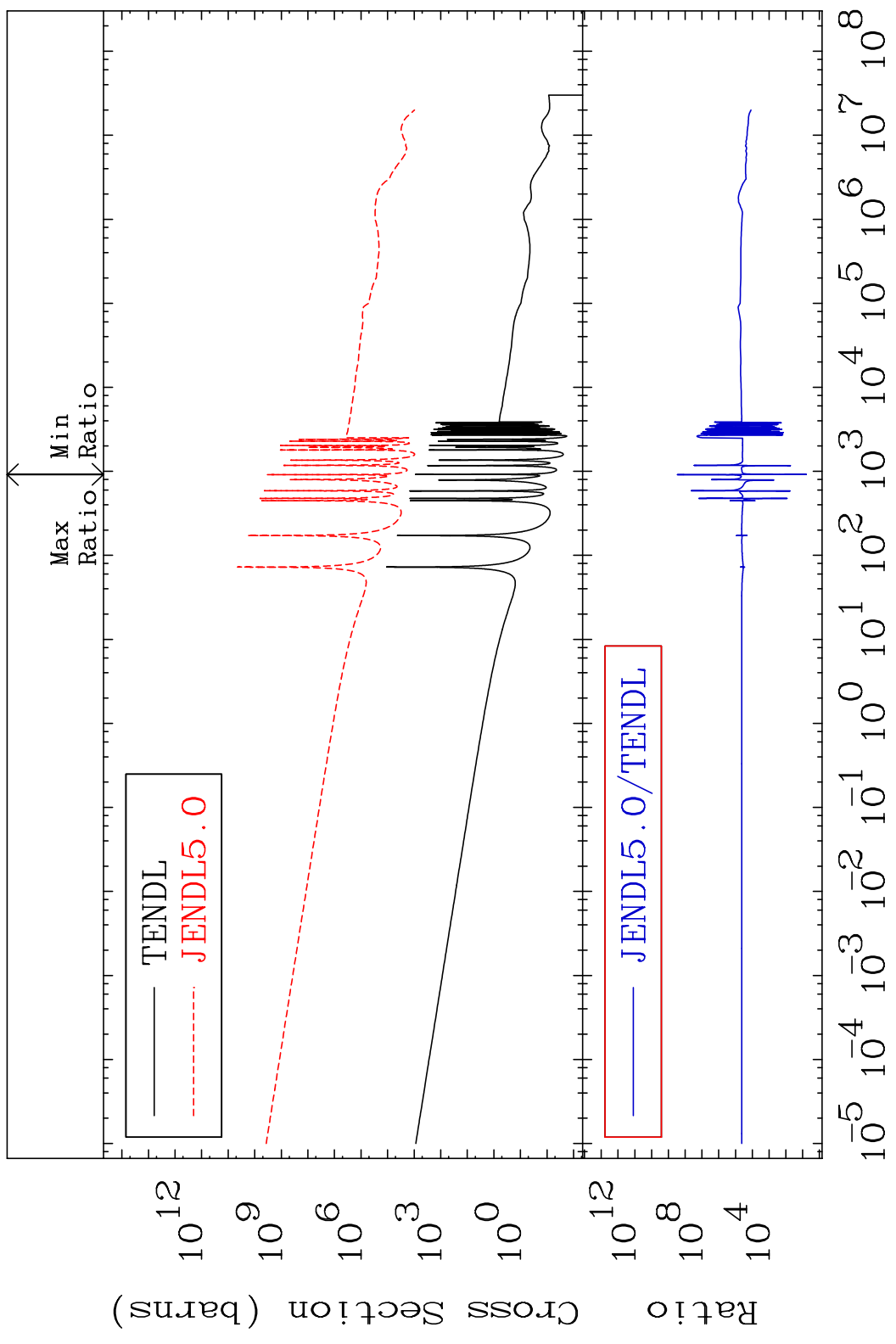
MAT 7243 Kerma fission (mt18 or mt19-20-21-38)72-Hf-180  
 Cross Section -100.0 To 9999. %



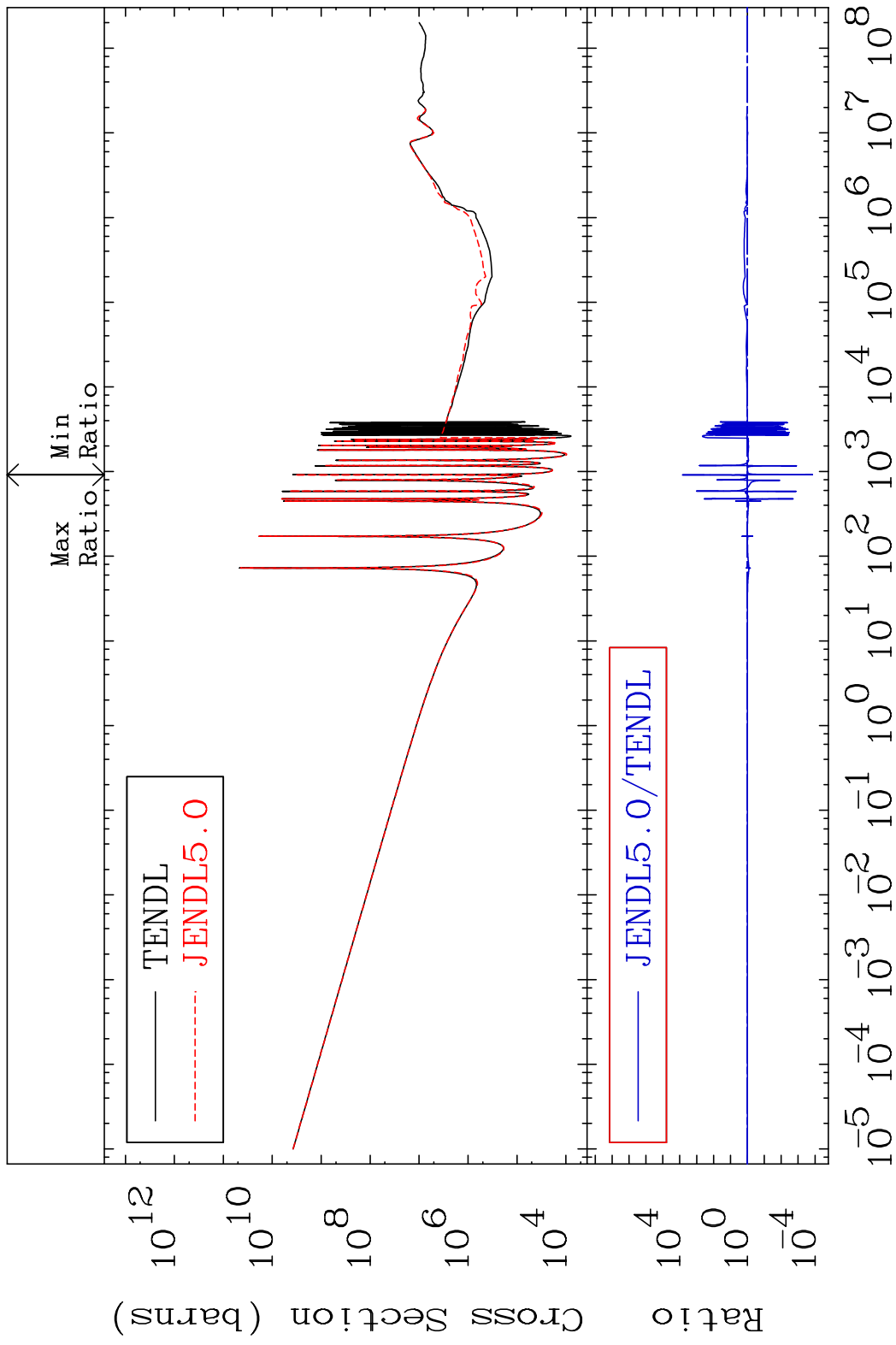


MAT 7243

Kerma capture (mt102) 72-Hf-180  
Cross Section 5897. To 9999. %

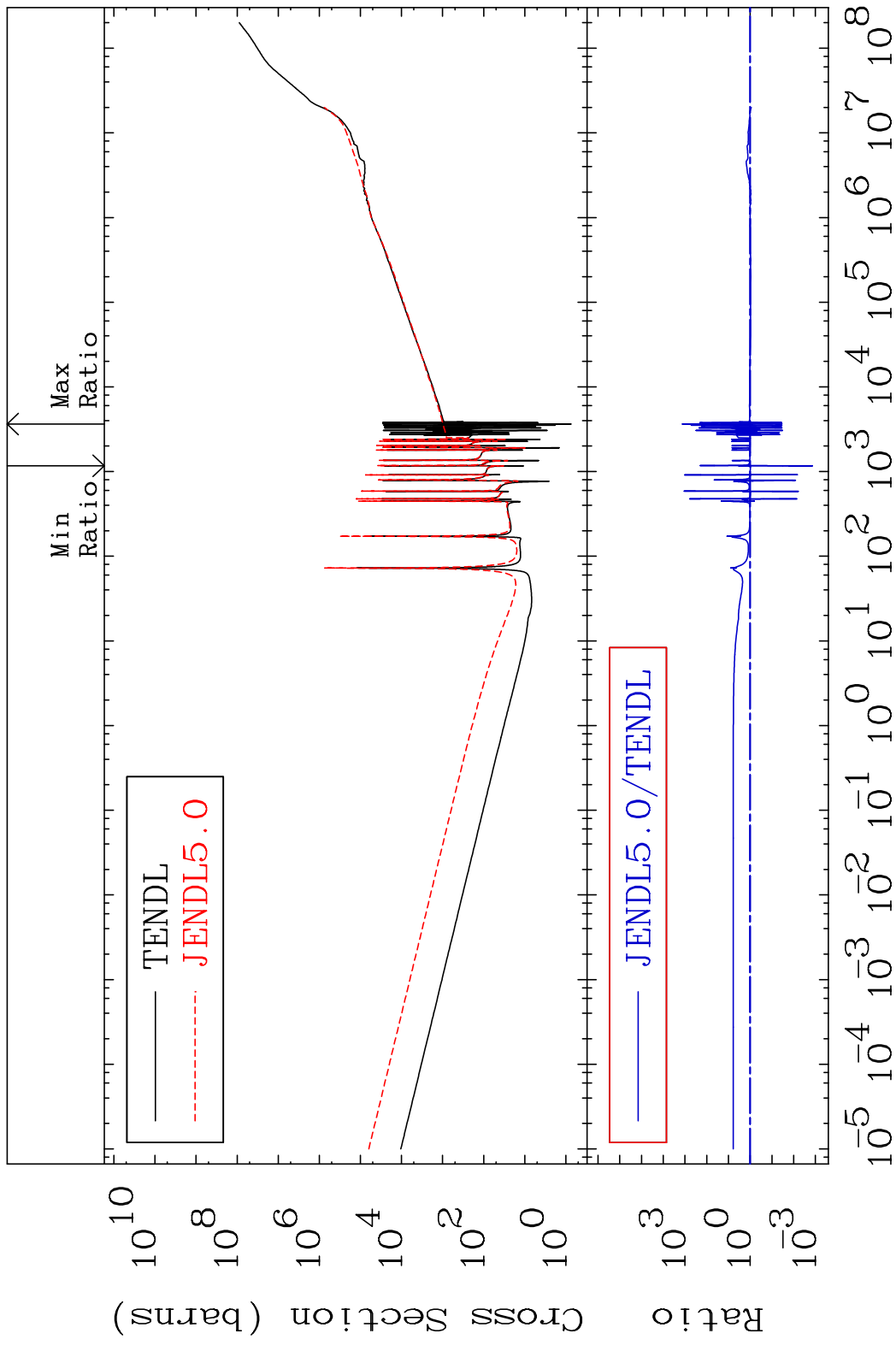


MAT 7243 Total photon (eV-barns) 72-Hf-180  
 Cross Section -99.99 To 9999. %



57 Incident Energy (eV) 72-Hf-180

MAT 7243 Total kinematic kerma (high limit) 72-Hf-180  
 Cross Section -99.86 To 9999. %

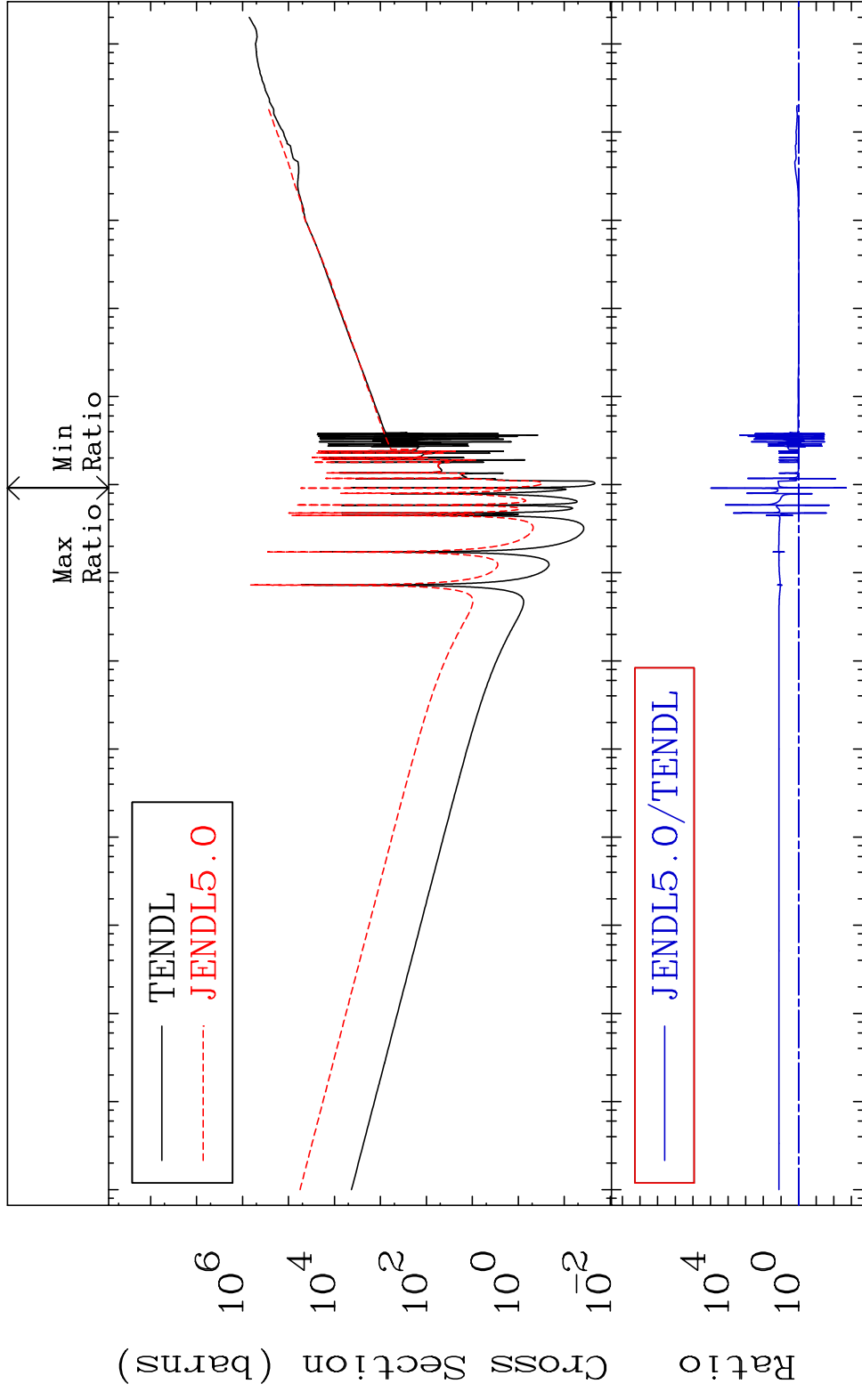


MAT 7243

Dpa total (eV-barns)

72-Hf-180

Cross Section -99.80 To 9999. %



59

Incident Energy (eV)

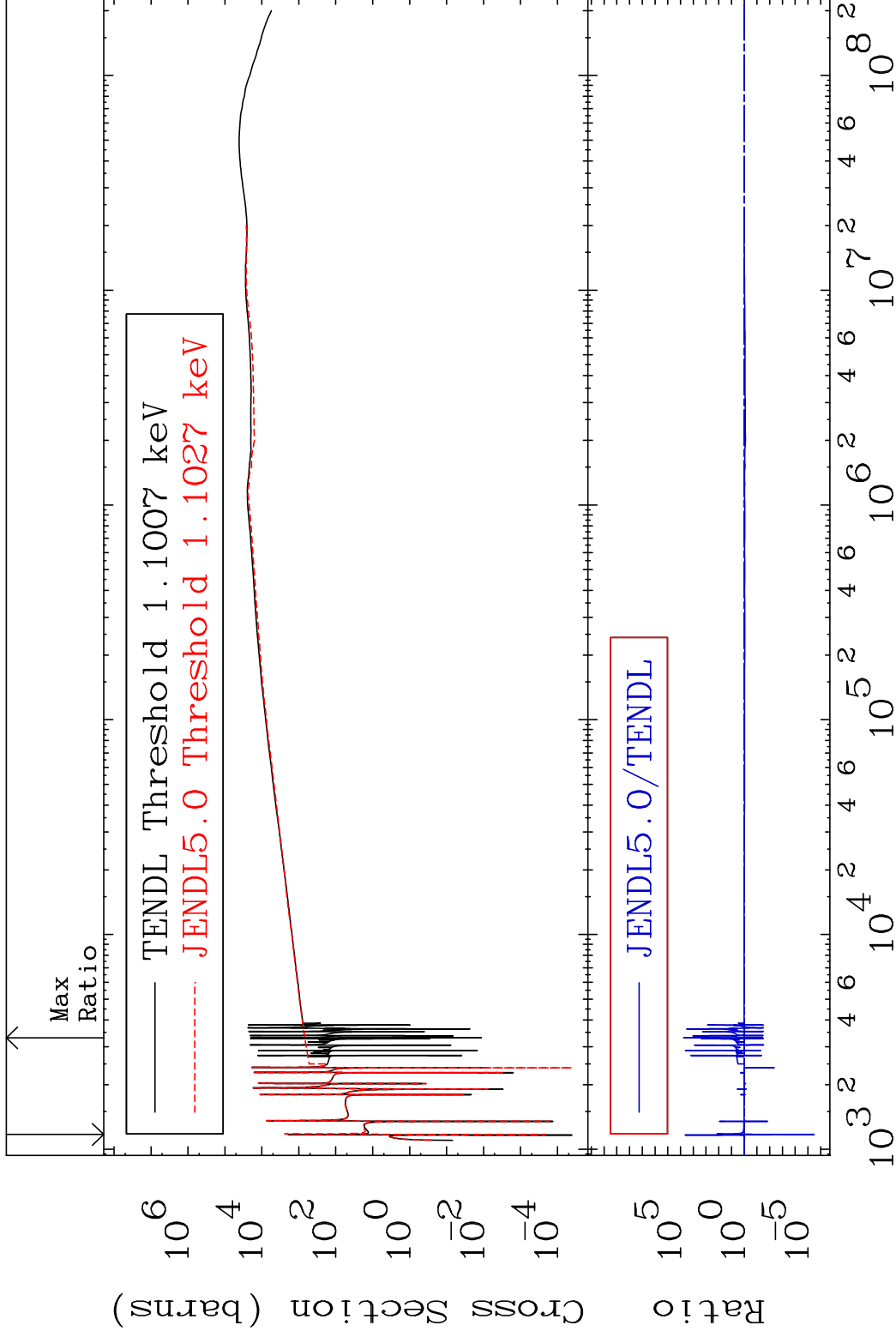
72-Hf-180

MAT 7243

Dpa elastic (mt2)

72-Hf-180

Cross Section -100.0 To 9999. %

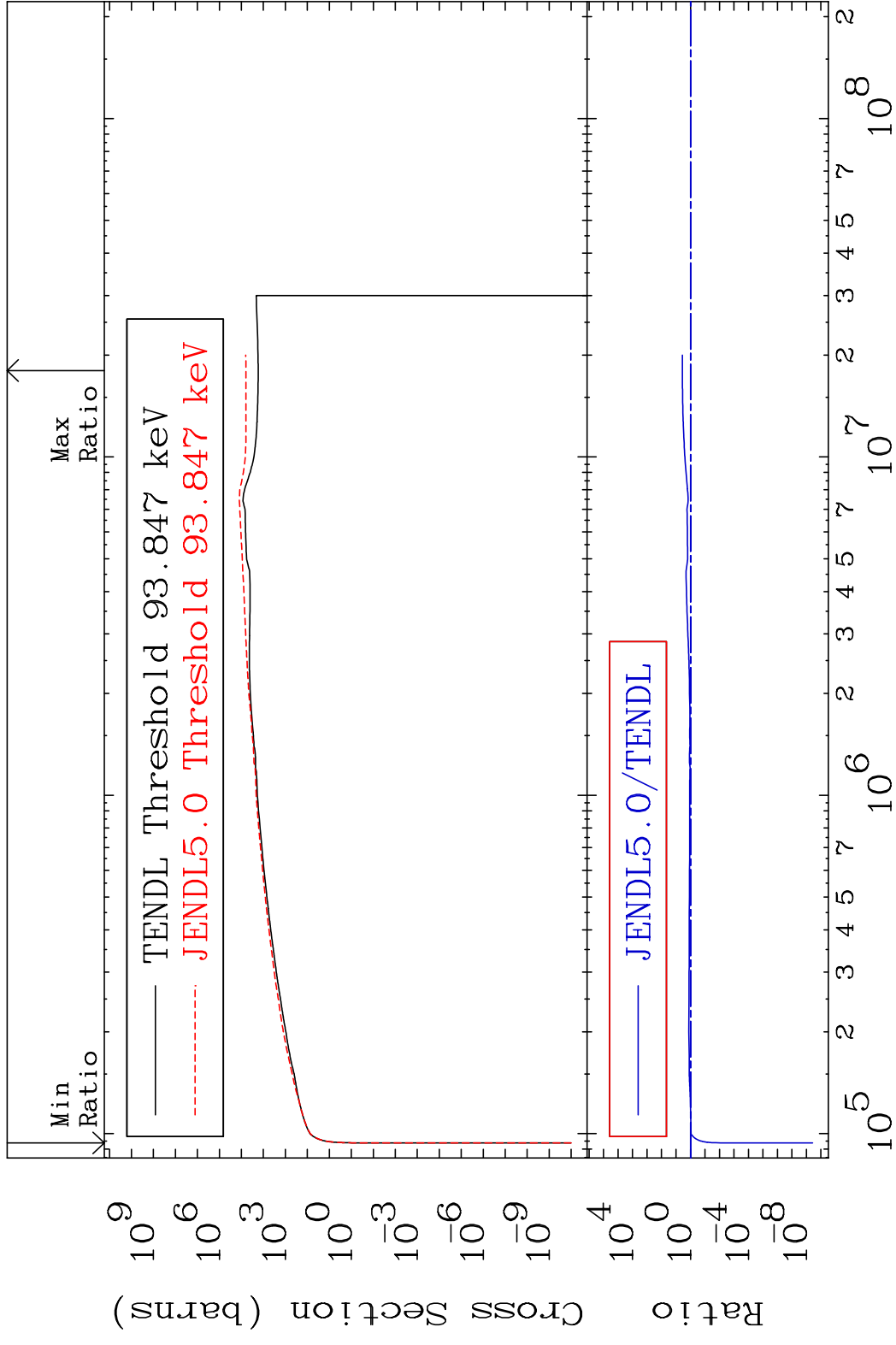


60

Incident Energy (eV)

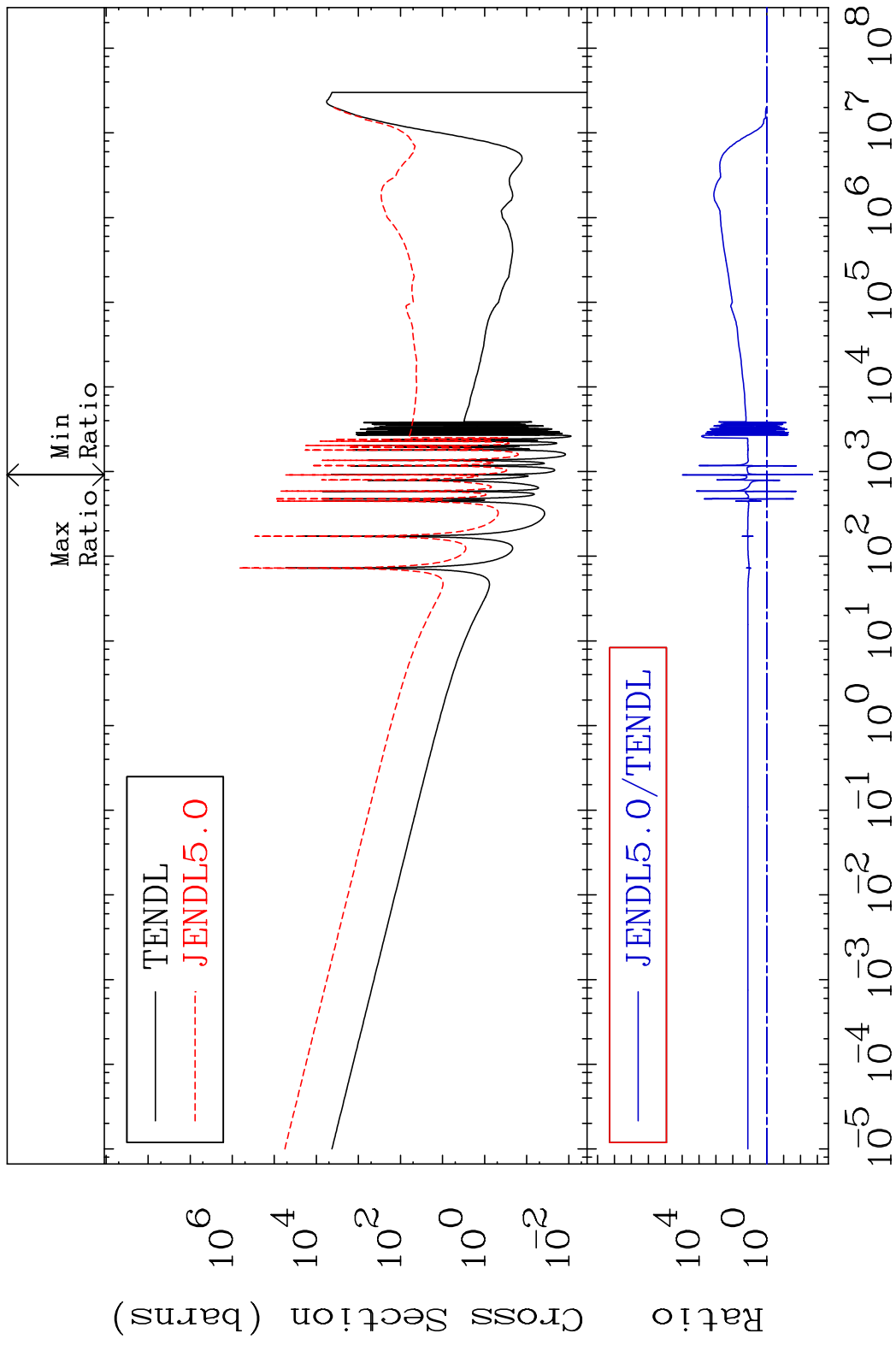
72-Hf-180

MAT 7243 Dpa inelastic (mt51-91) 72-Hf-180  
 Cross Section -100.0 To 264.3 %

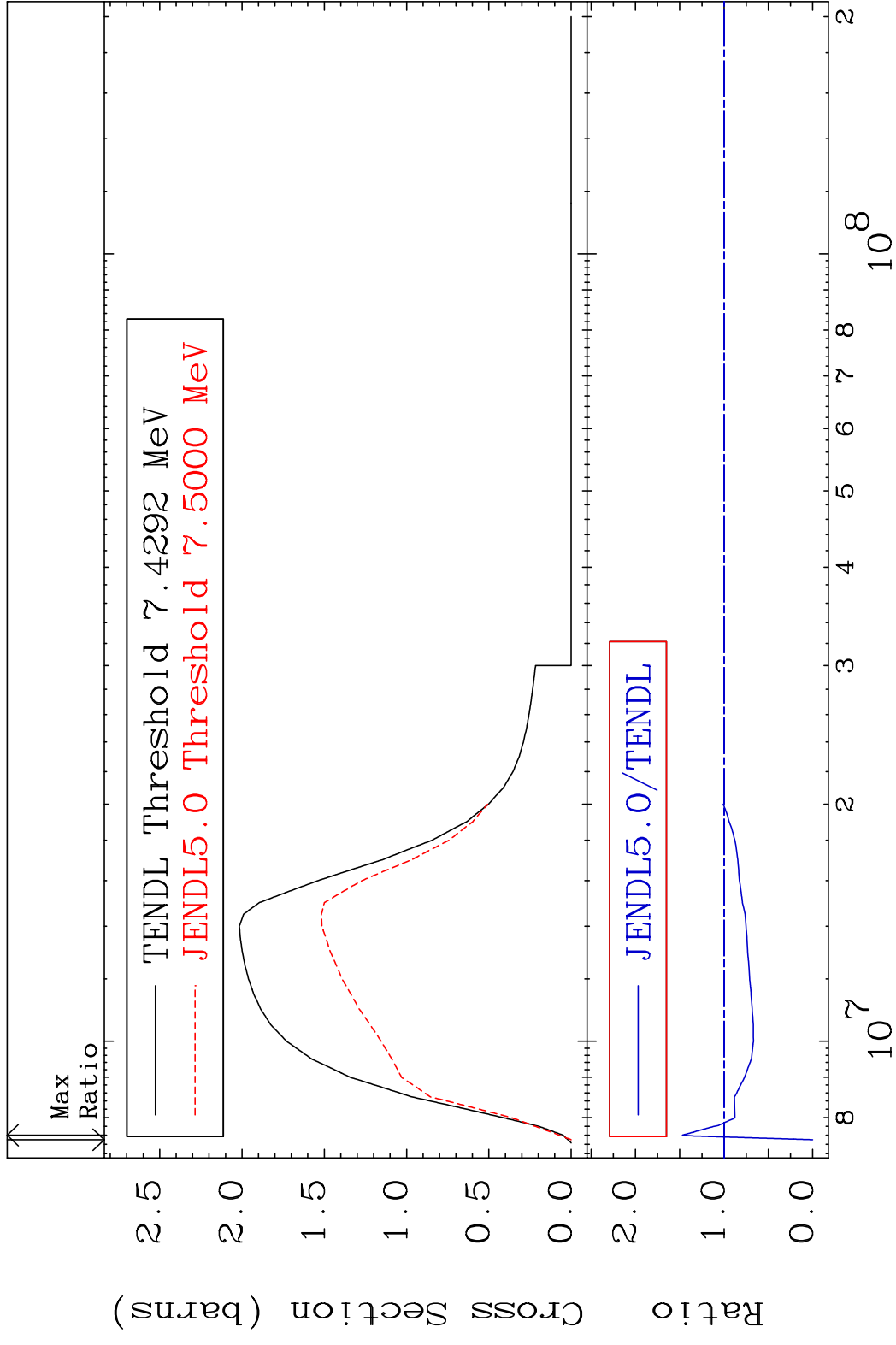


61 Incident Energy (eV) 72-Hf-180

MAT 7243 Dpa disappearance (mt102 -120) 72-Hf-180  
 Cross Section -99.80 To 9999. %

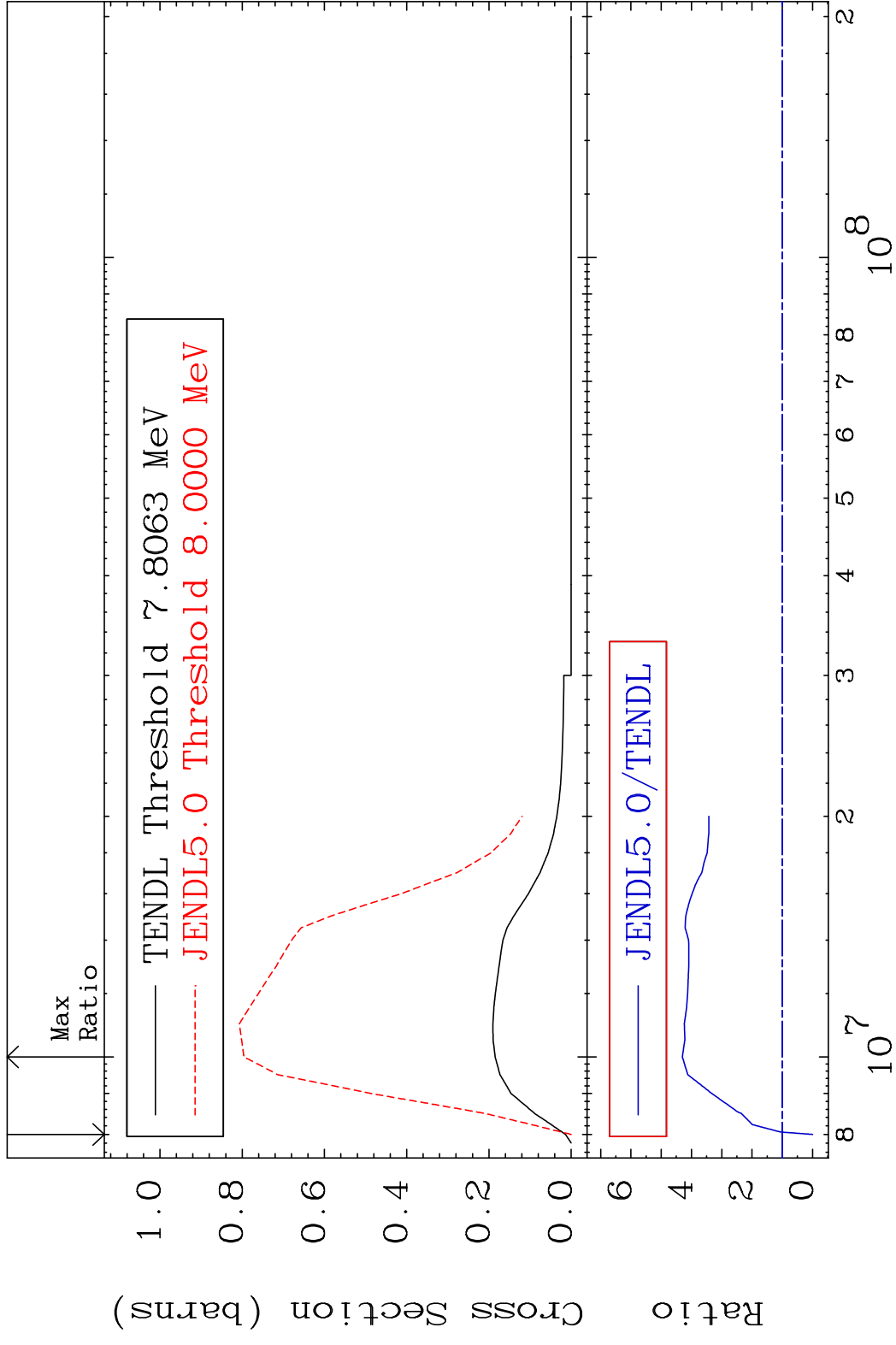


MAT 7243 (n,2n):72-Hf-179g 72-Hf-180  
 Radionuclide Production Cross Section 180.01 dth 47.07 %

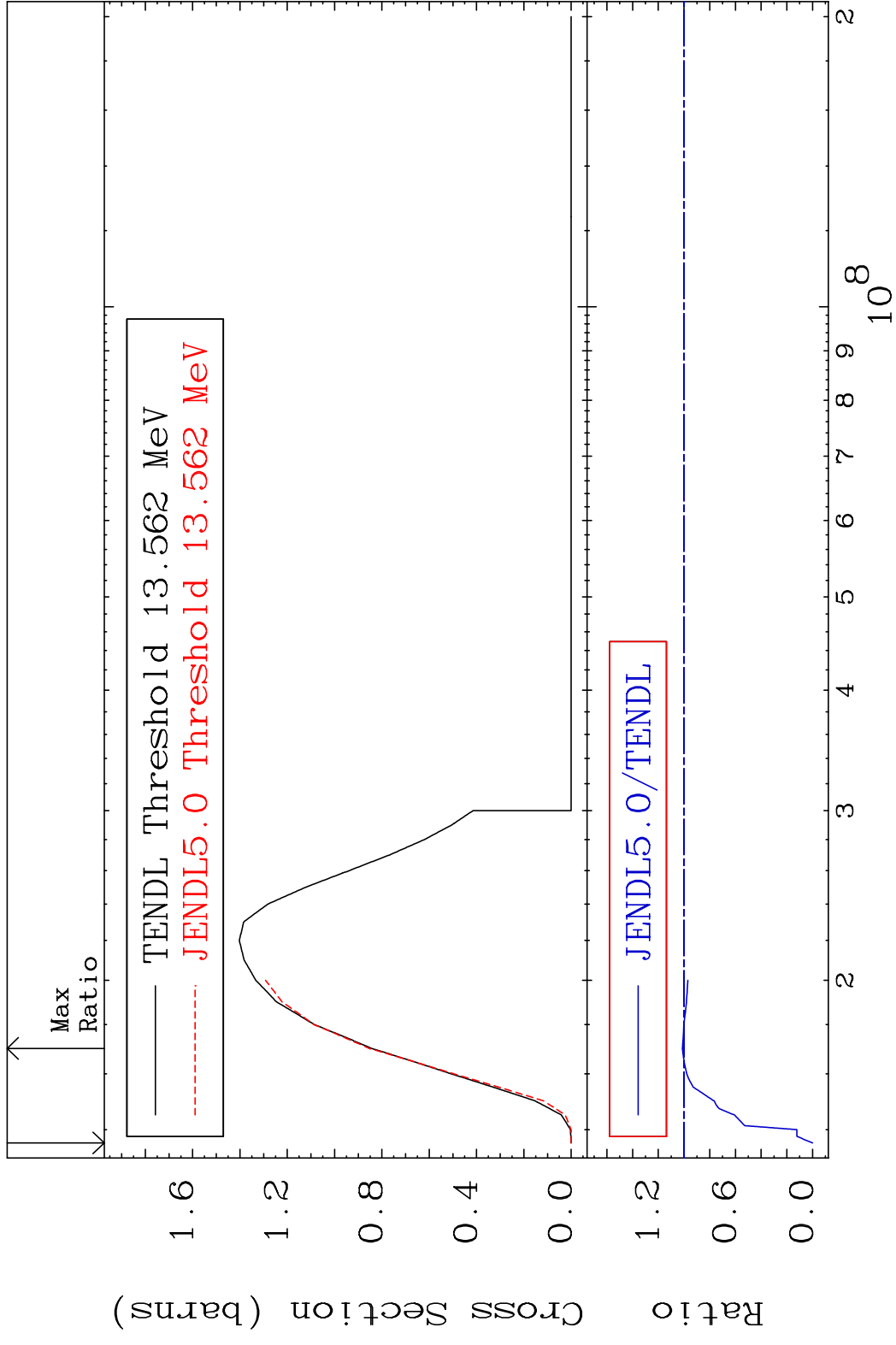




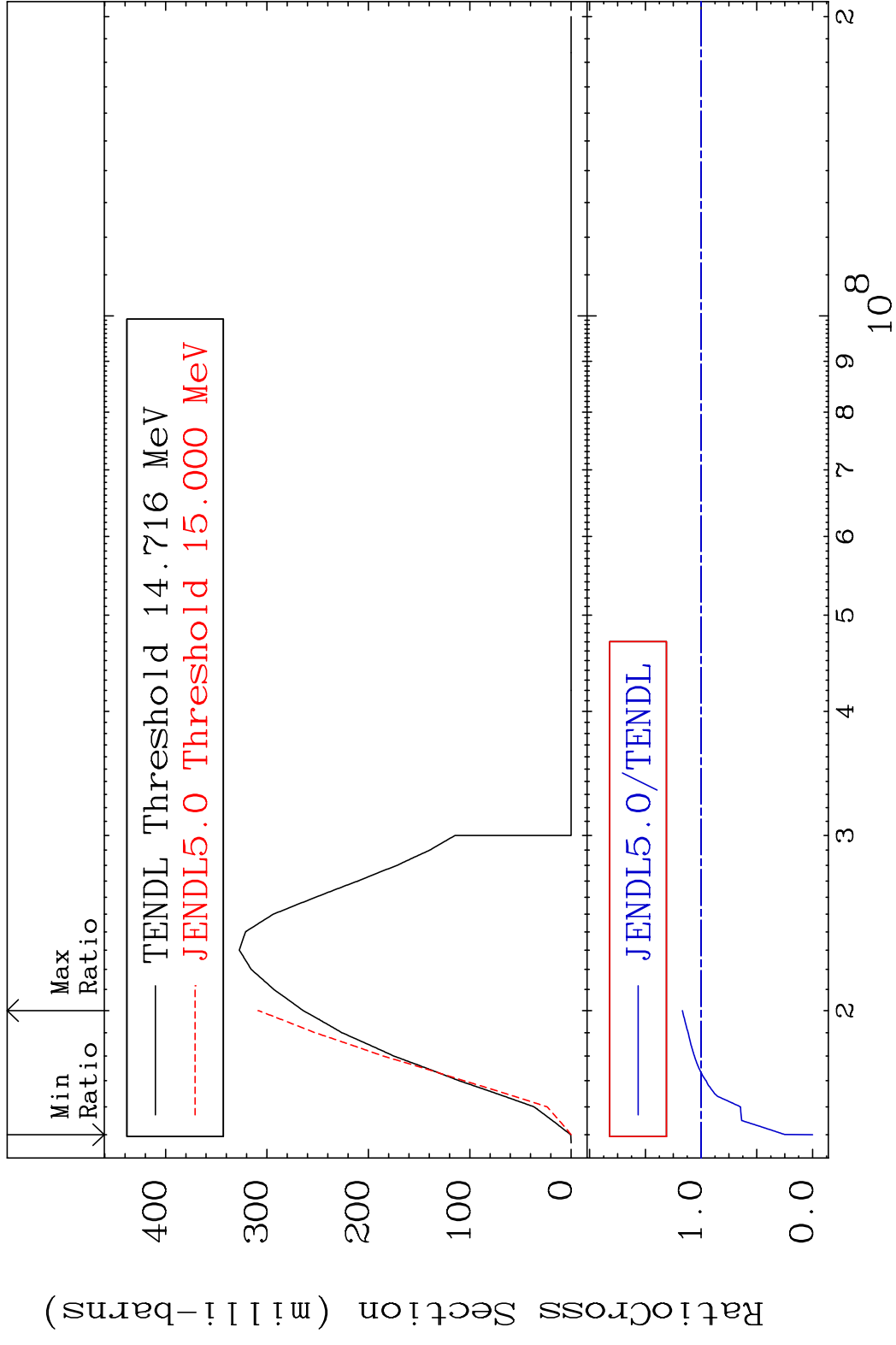
MAT 7243 (n,2n):72-Hf-179m5 72-Hf-180  
 Radionuclide Production Cross Section 330.1 %



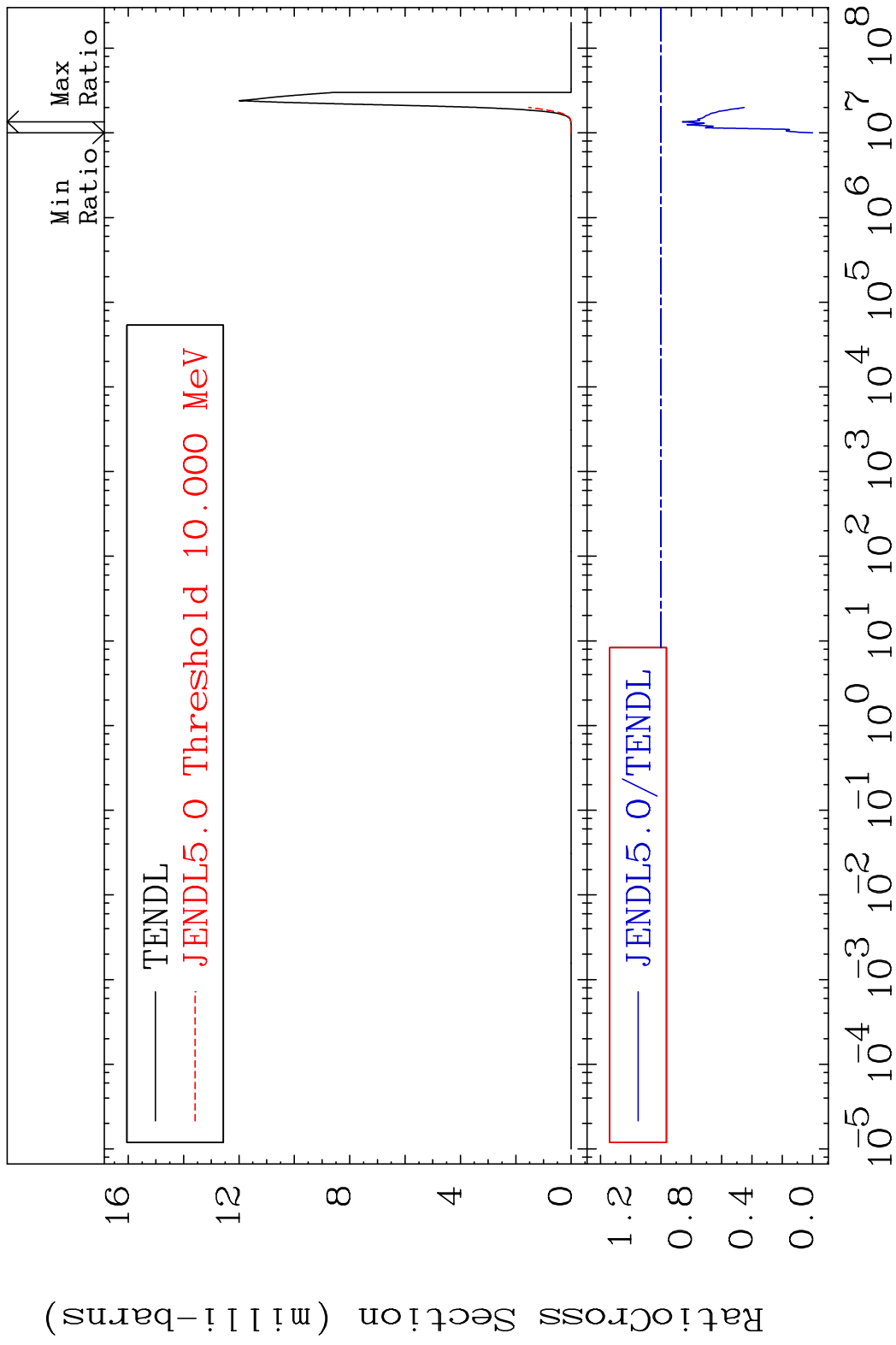
MAT 7243 (n,3n):72-Hf-178g 72-Hf-180  
 Radionuclide Production Cross Section Ratio 1.296 %



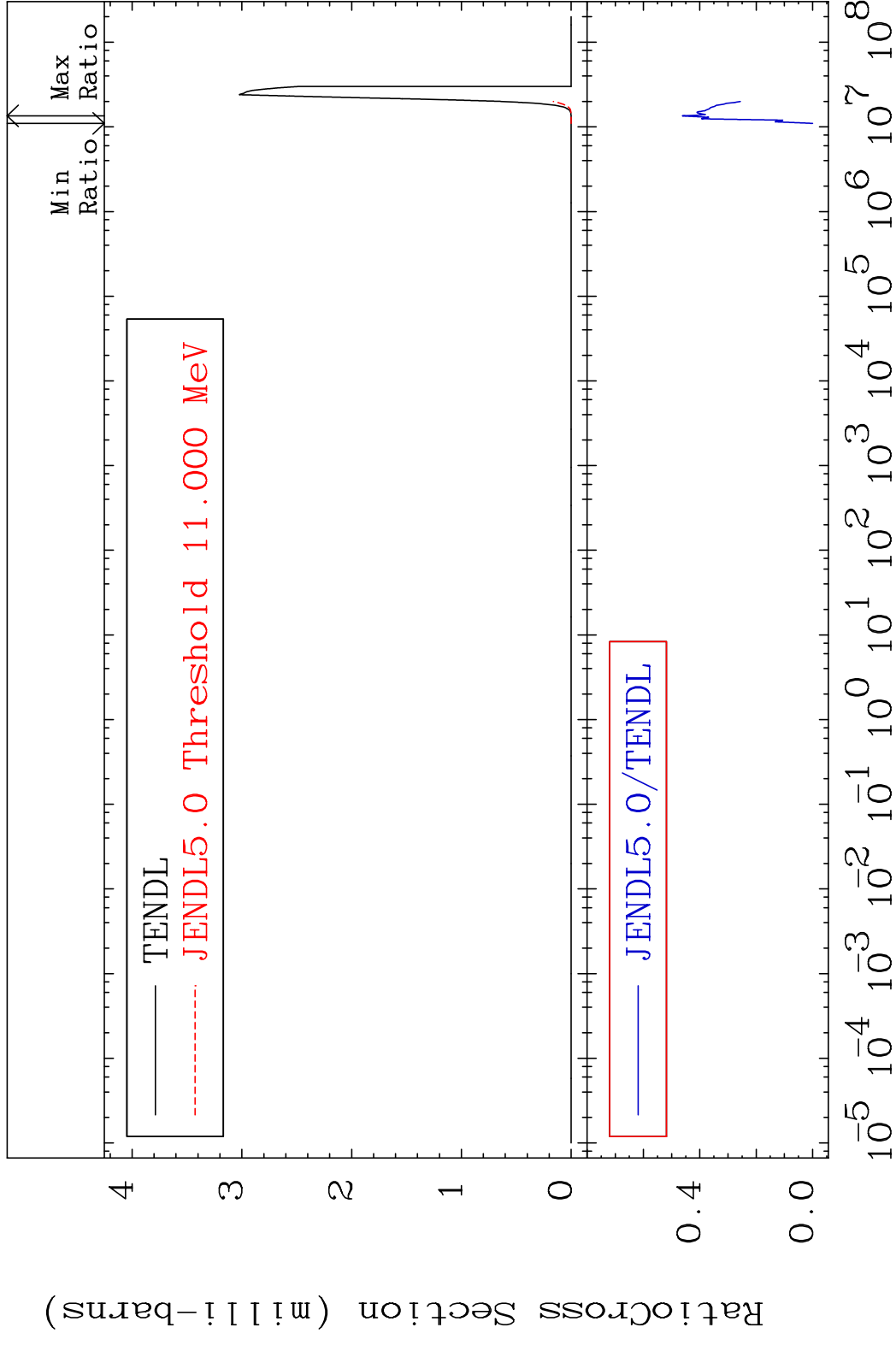
MAT 7243 (n, 3n): 72-Hf-178m5 72-Hf-180  
 Radionuclide Production Cross Section 18.00 mb to 16.84 %

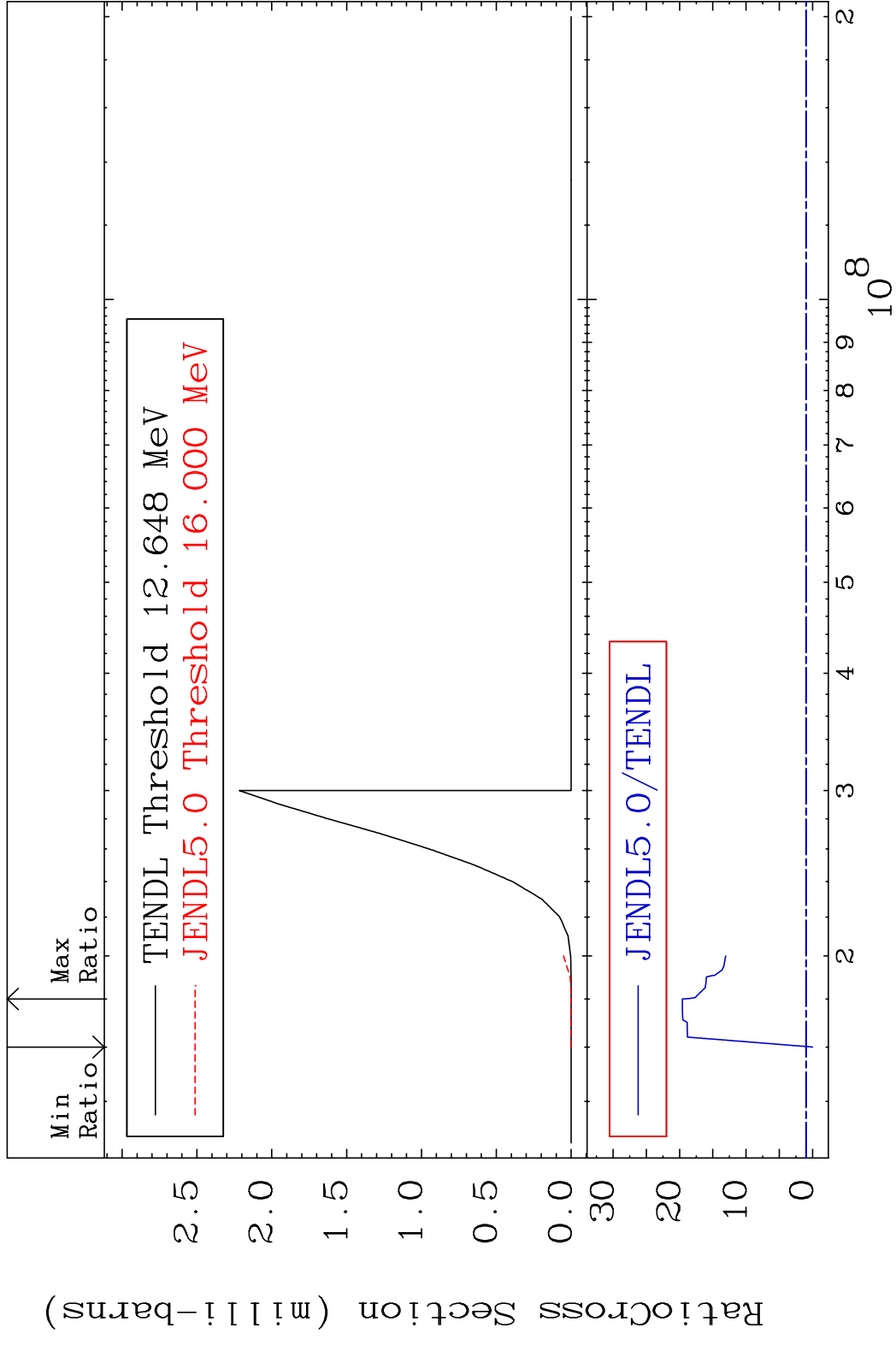


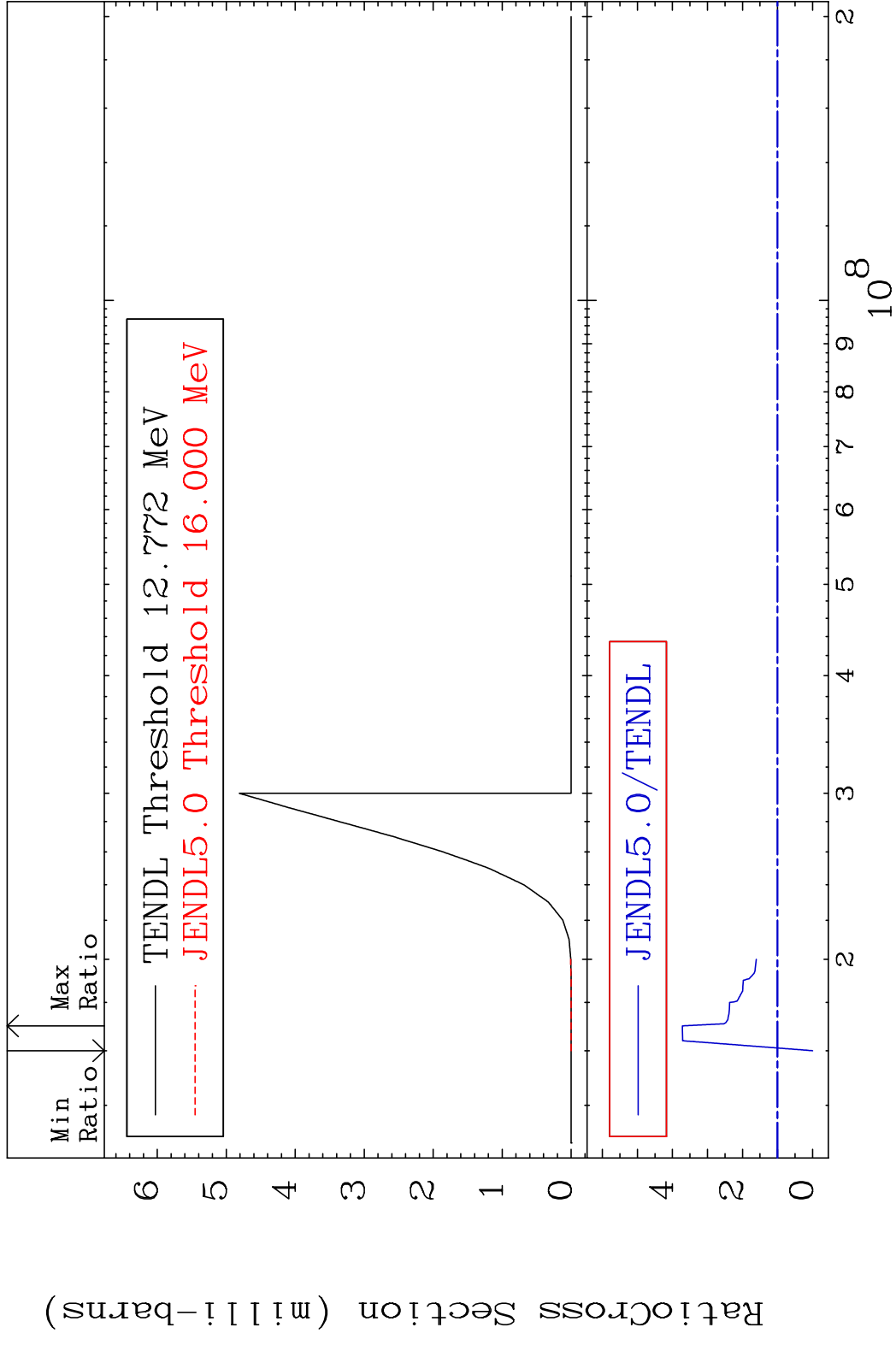
MAT 7243 (n, n')  $\alpha$ :70-Yb-176g 72-Hf-180  
 Radionuclide Production Cross Section Ratio -14.07%

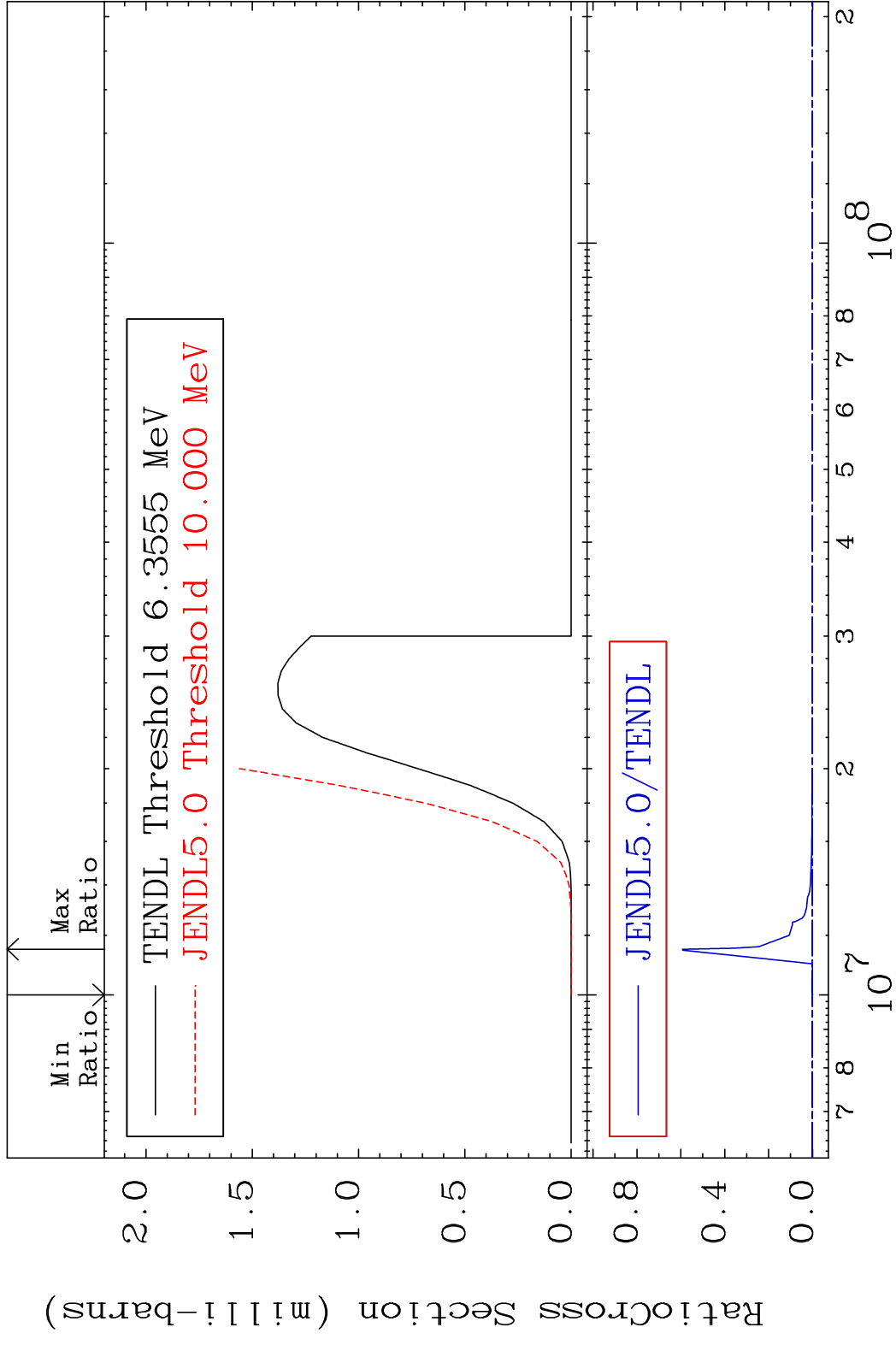


MAT 7243 (n, n')  $\alpha$ :70-Yb-176m5 72-Hf-180  
 Radionuclide Production Cross Section Ratio -53.80%



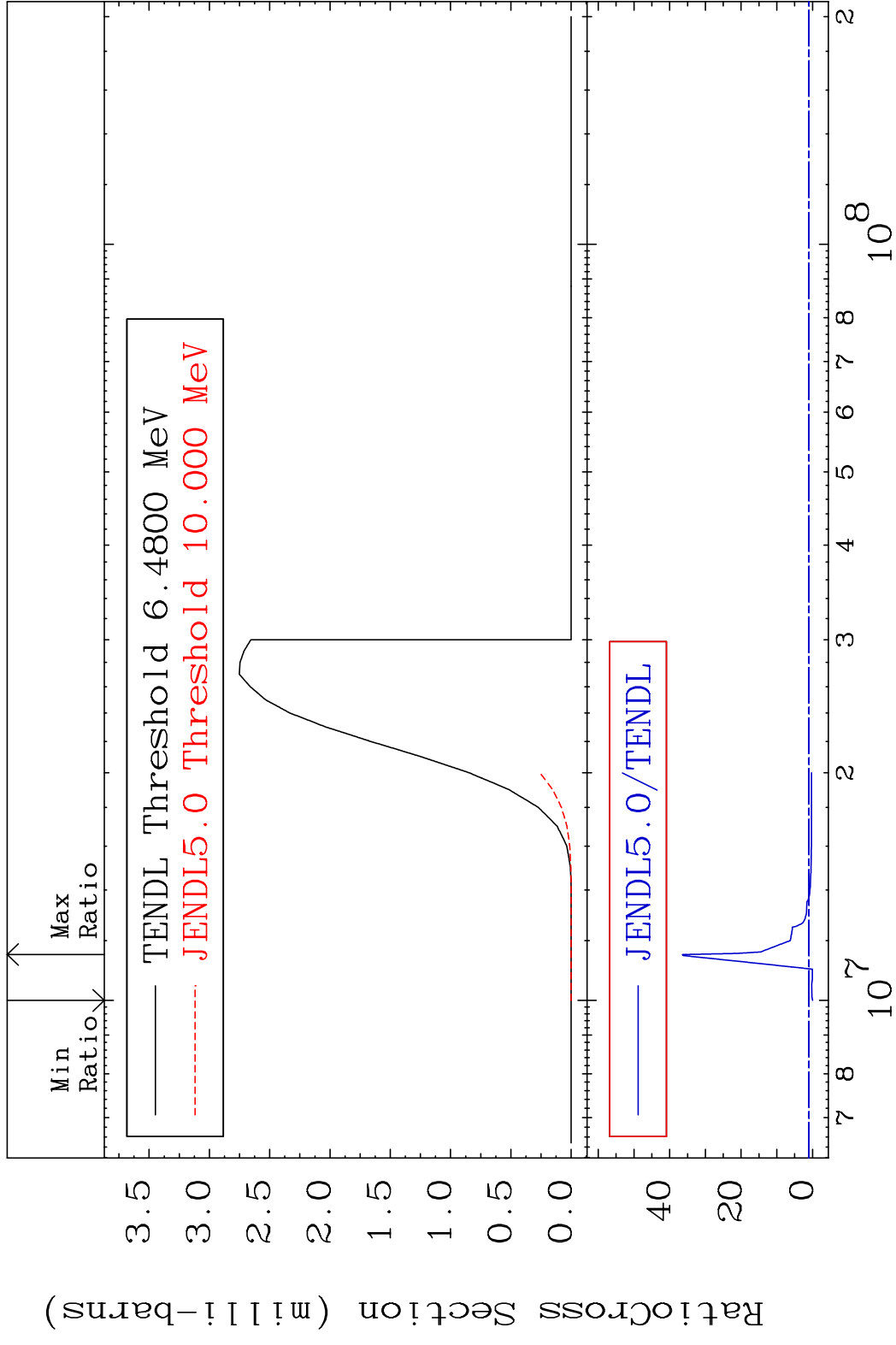




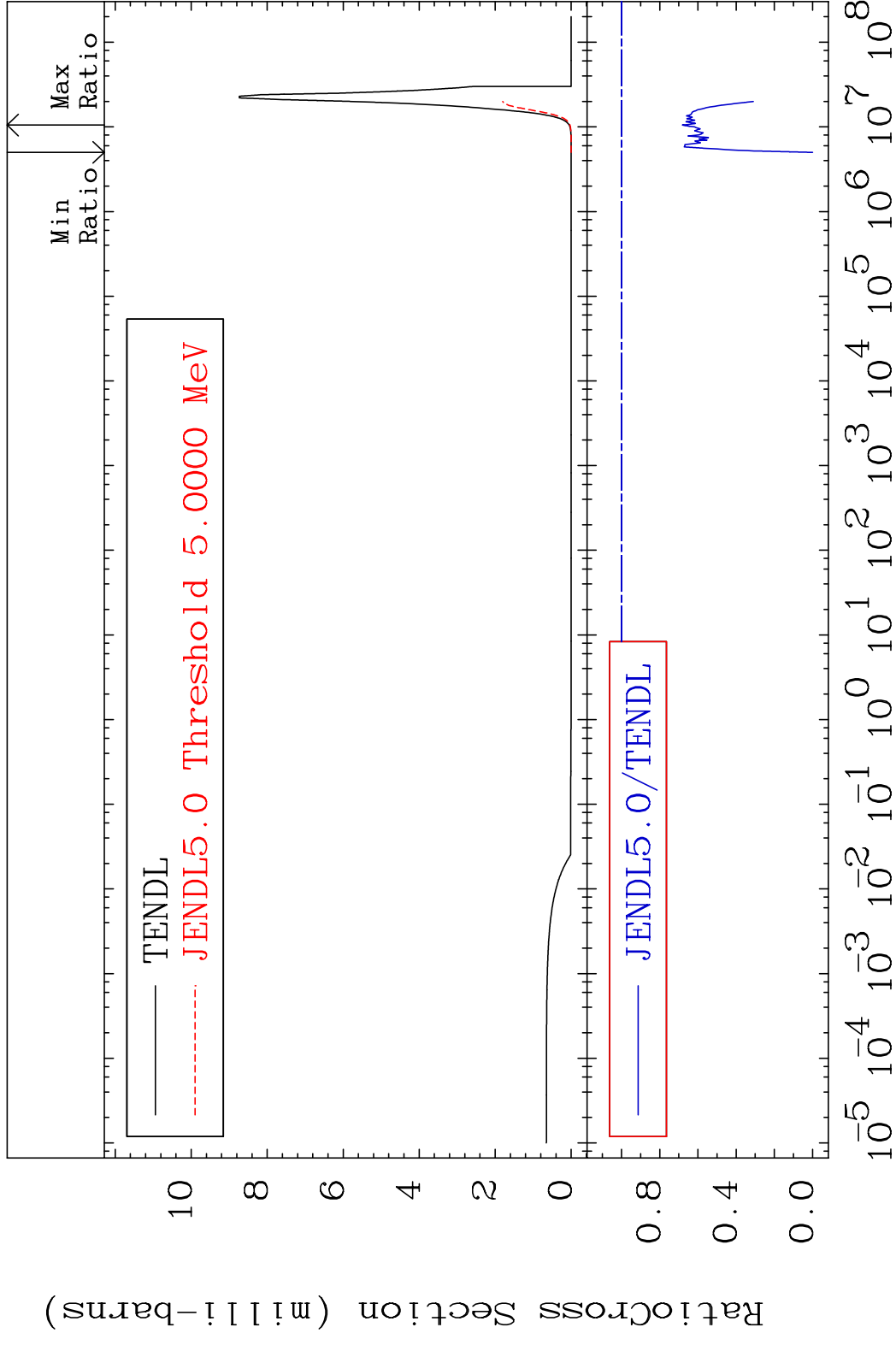




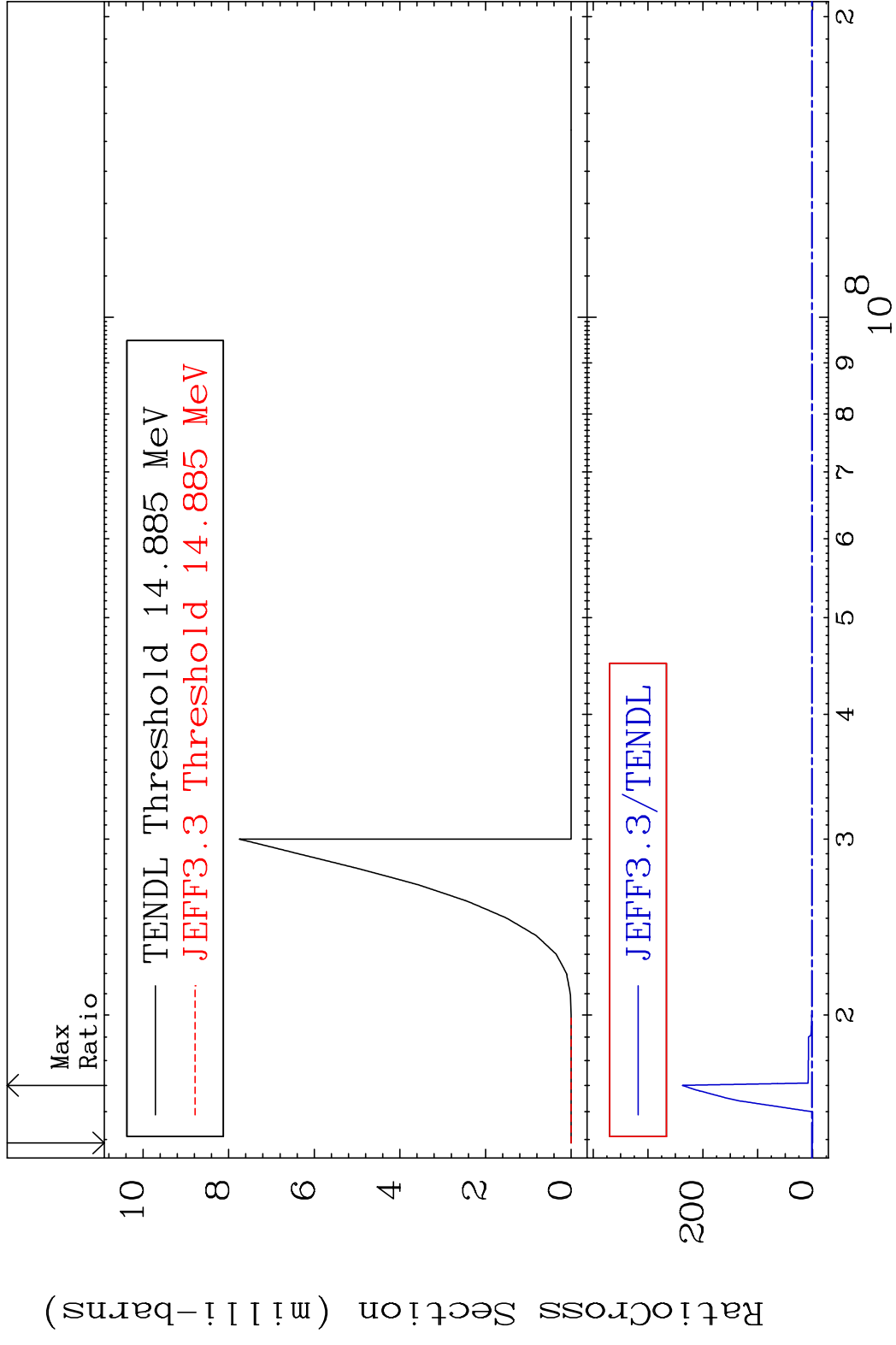
MAT 7243 (n, t):71-Lu-178m3 72-Hf-180  
 Radionuclide Production Cross Section 180.01 dth 3545. %

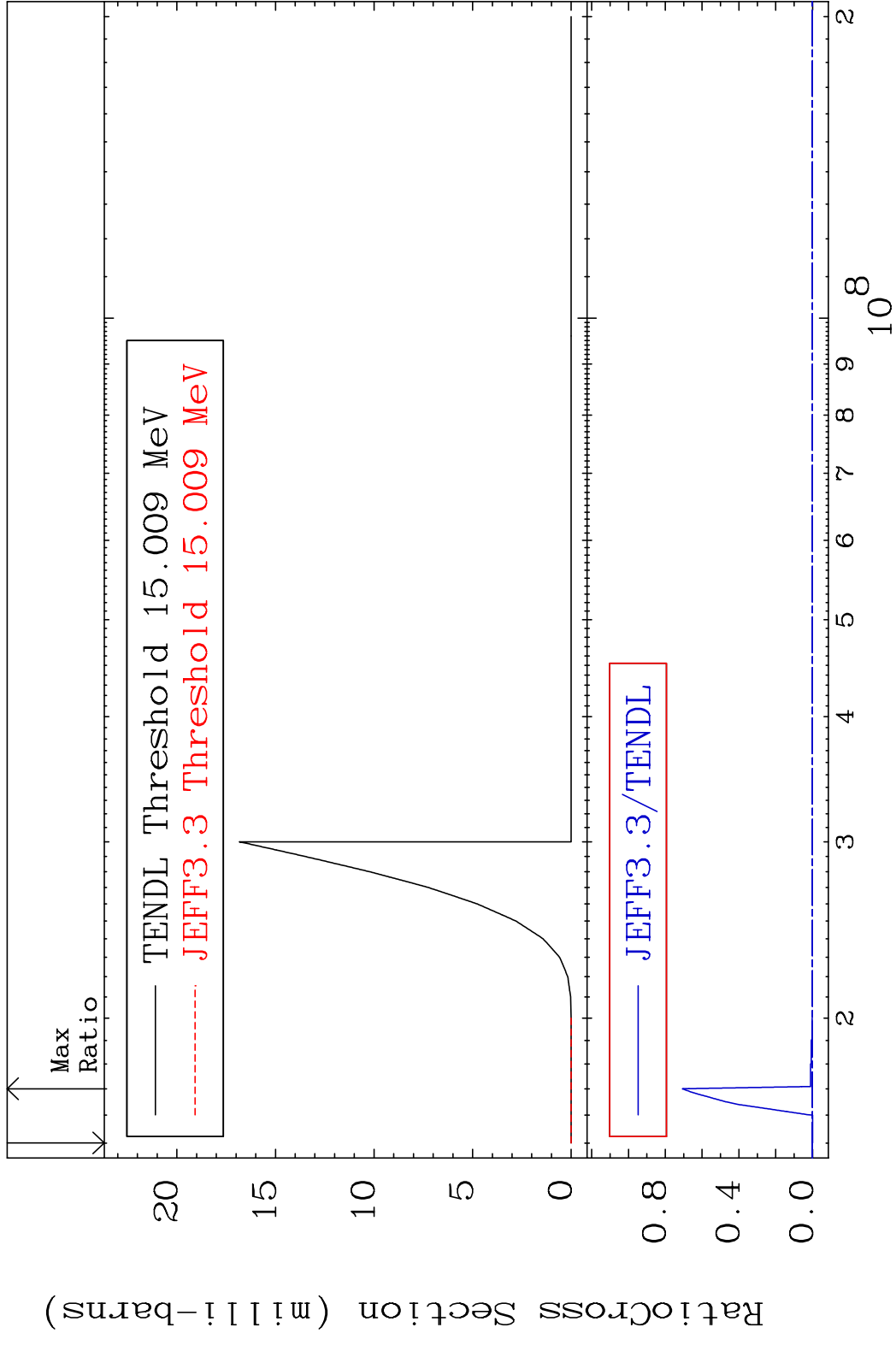


MAT 7243 (n,  $\alpha$ ): 70-Yb-177g 72-Hf-180  
 Radionuclide Production Cross Section Ratio -31.85%

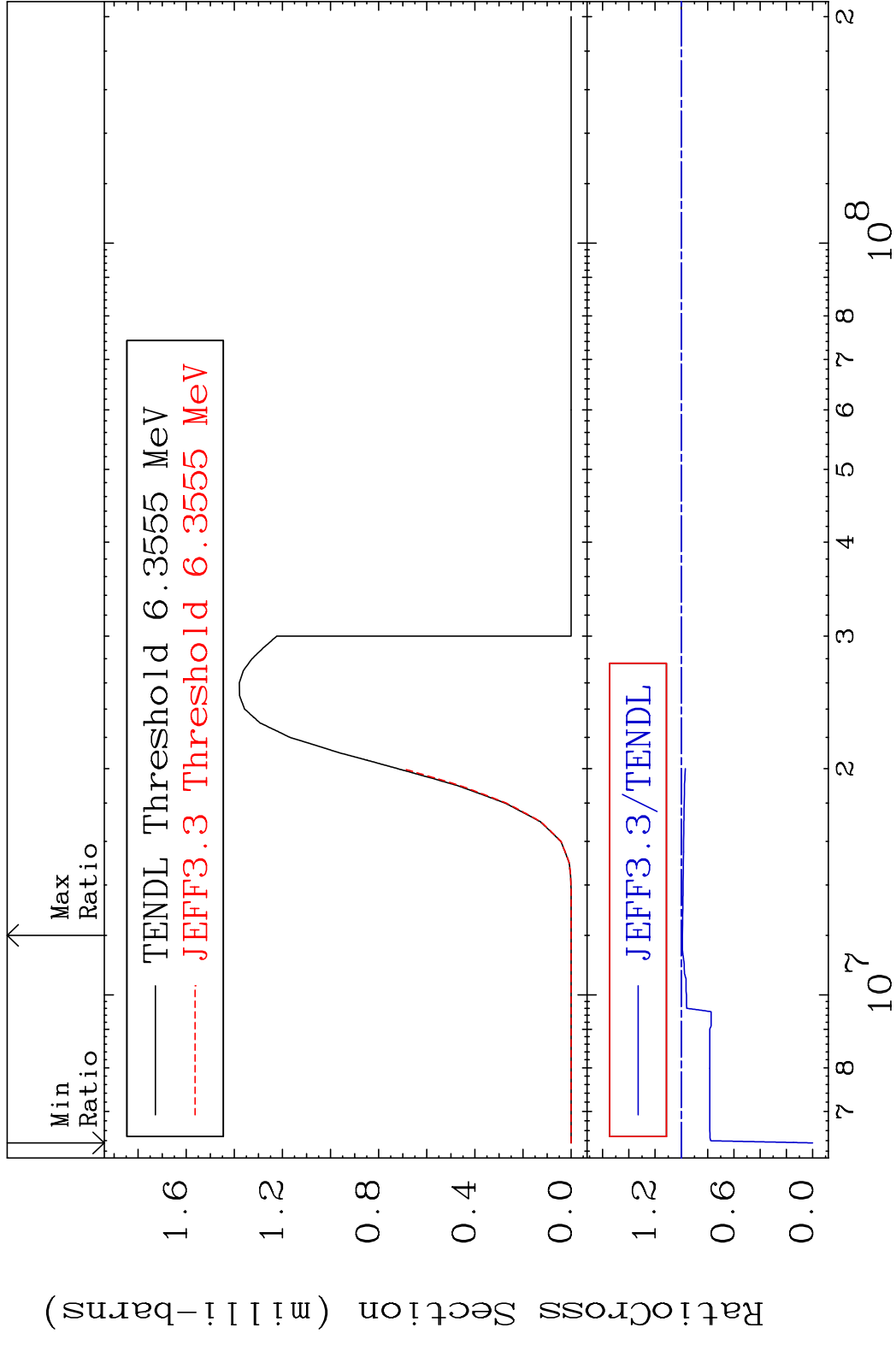


73 Incident Energy (eV) 72-Hf-180





MAT 7243 (n,t):71-Lu-178g 72-Hf-180  
 Radionuclide Production Cross Section Ratio -0.766%



MAT 7243 (n, t):71-Lu-178m3 72-Hf-180  
 Radionuclide Production Cross Section 180.01 dth 17.60 %

