

Program Complot  
(Version 2021-1)

by

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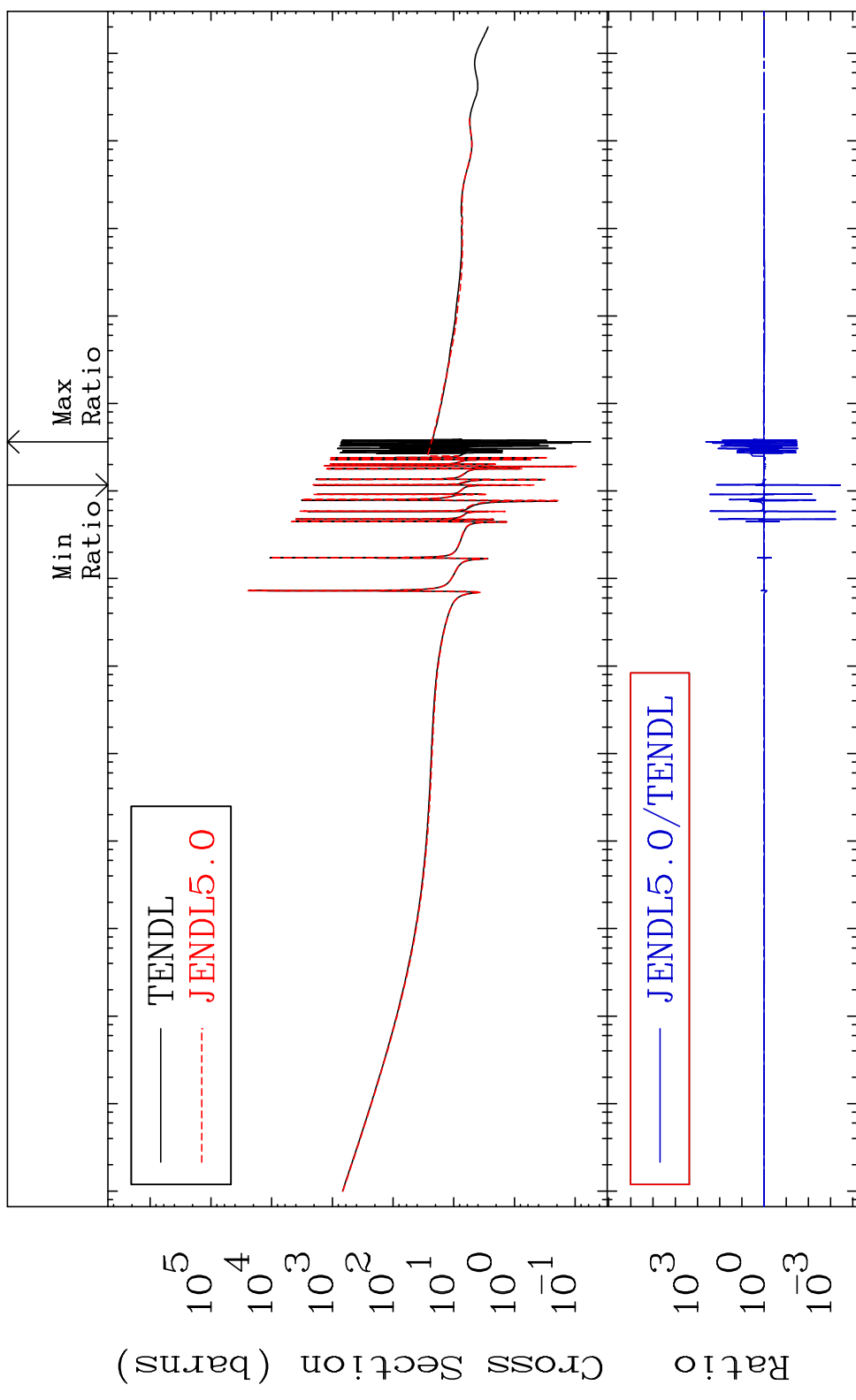
Press Mouse Button to Start

MAT 7243

Total

72-Hf-180

Cross Section -99.96 To 9999. %



1

Incident Energy (eV)

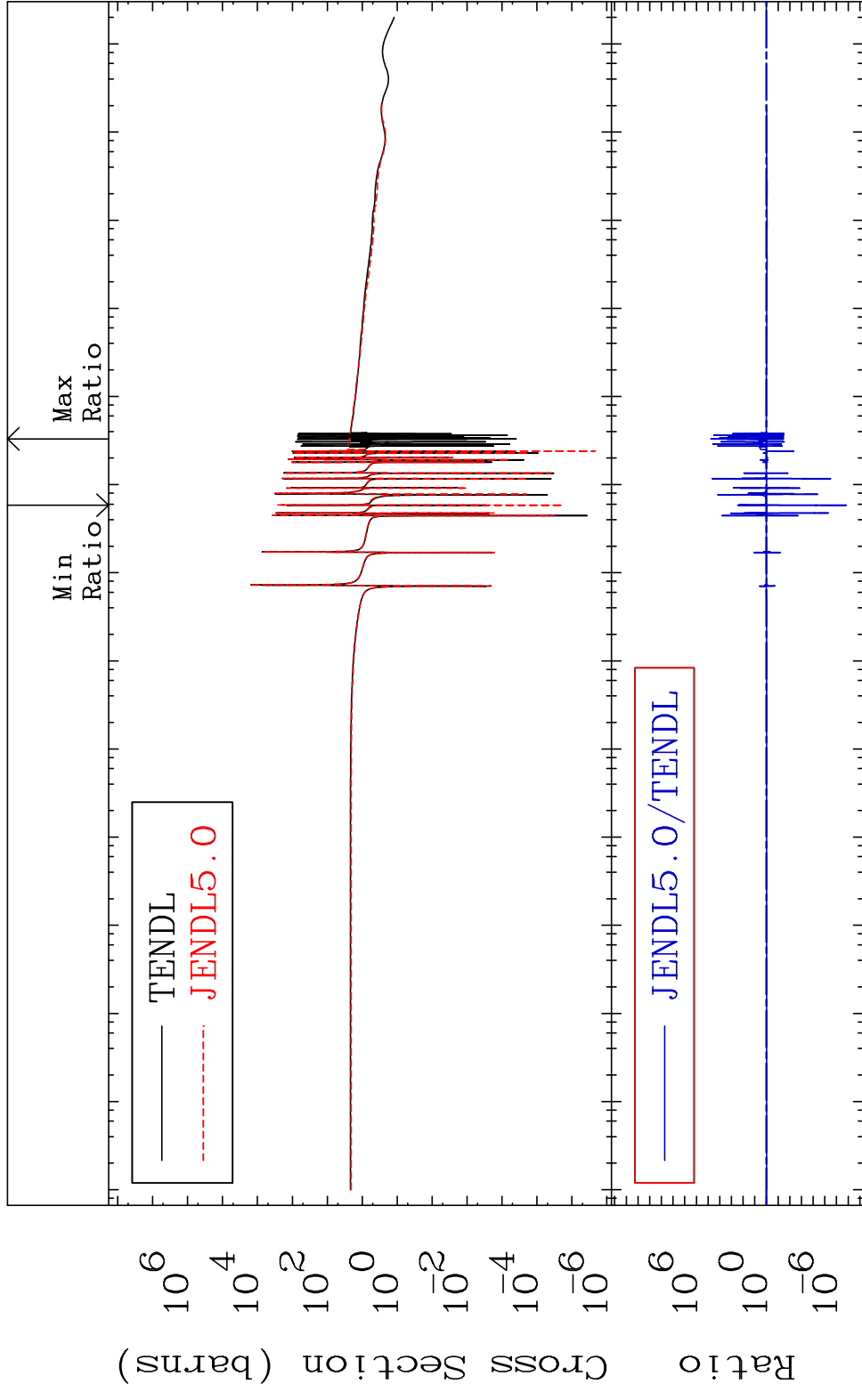
72-Hf-180

MAT 7243

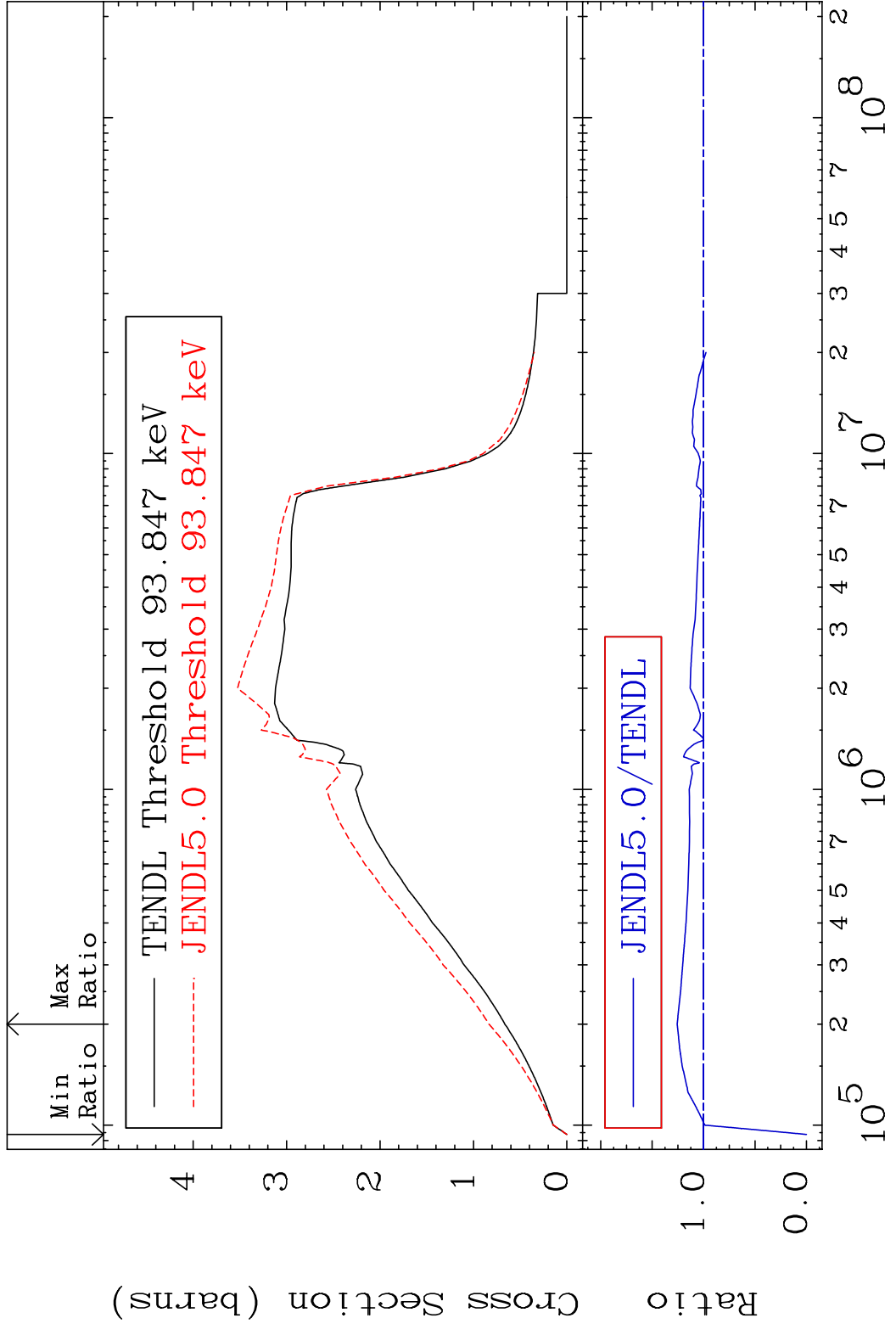
Elastic

72-Hf-180

Cross Section -100.0 To 9999. %



MAT 7243 Inelastic 72-Hf-180  
Cross Section -100.0 To 25.65 %



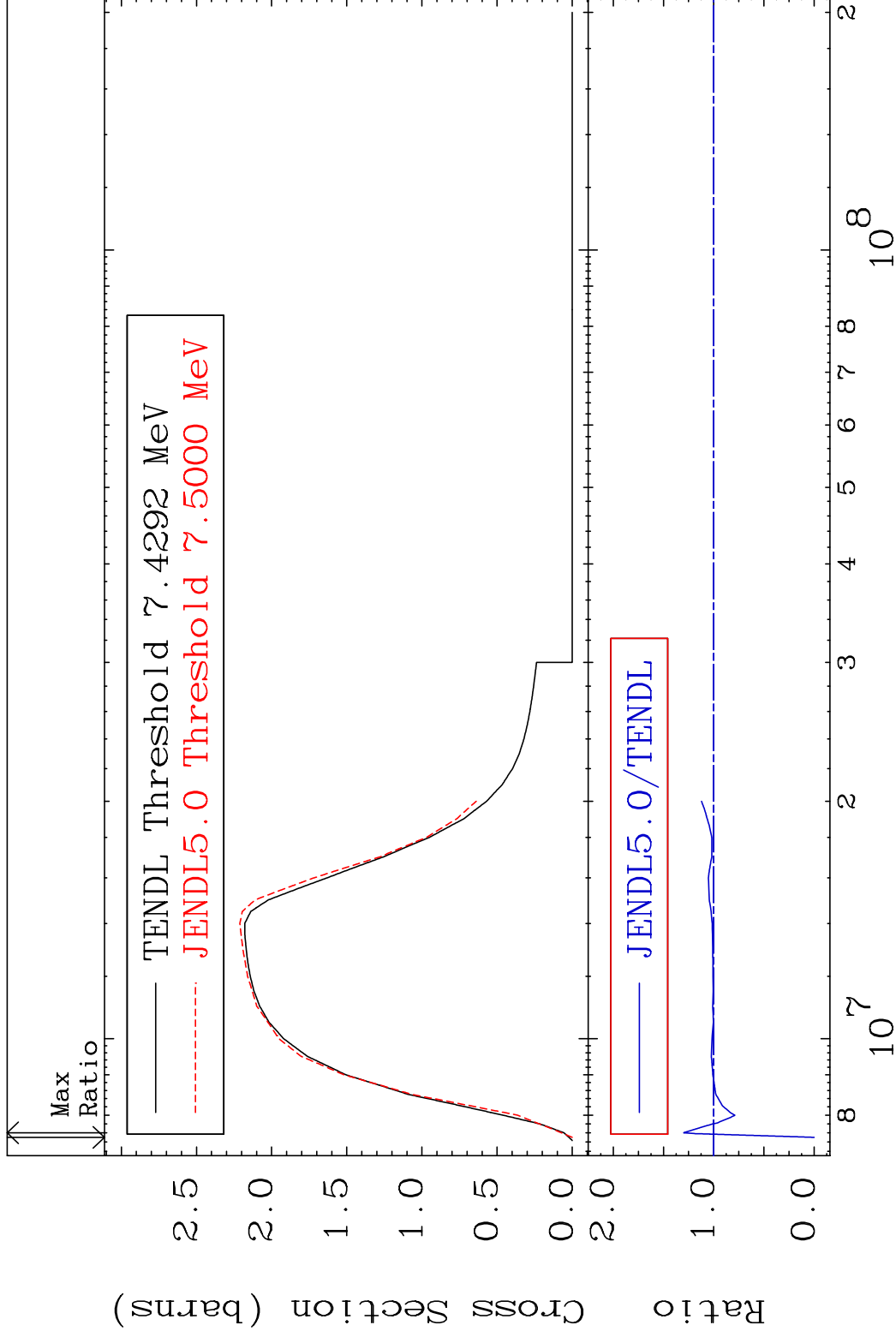
3 Incident Energy (eV) 72-Hf-180

MAT 7243

(n,2n)

72-Hf-180

Cross Section -100.0 To 29.92 %



4

Incident Energy (eV)

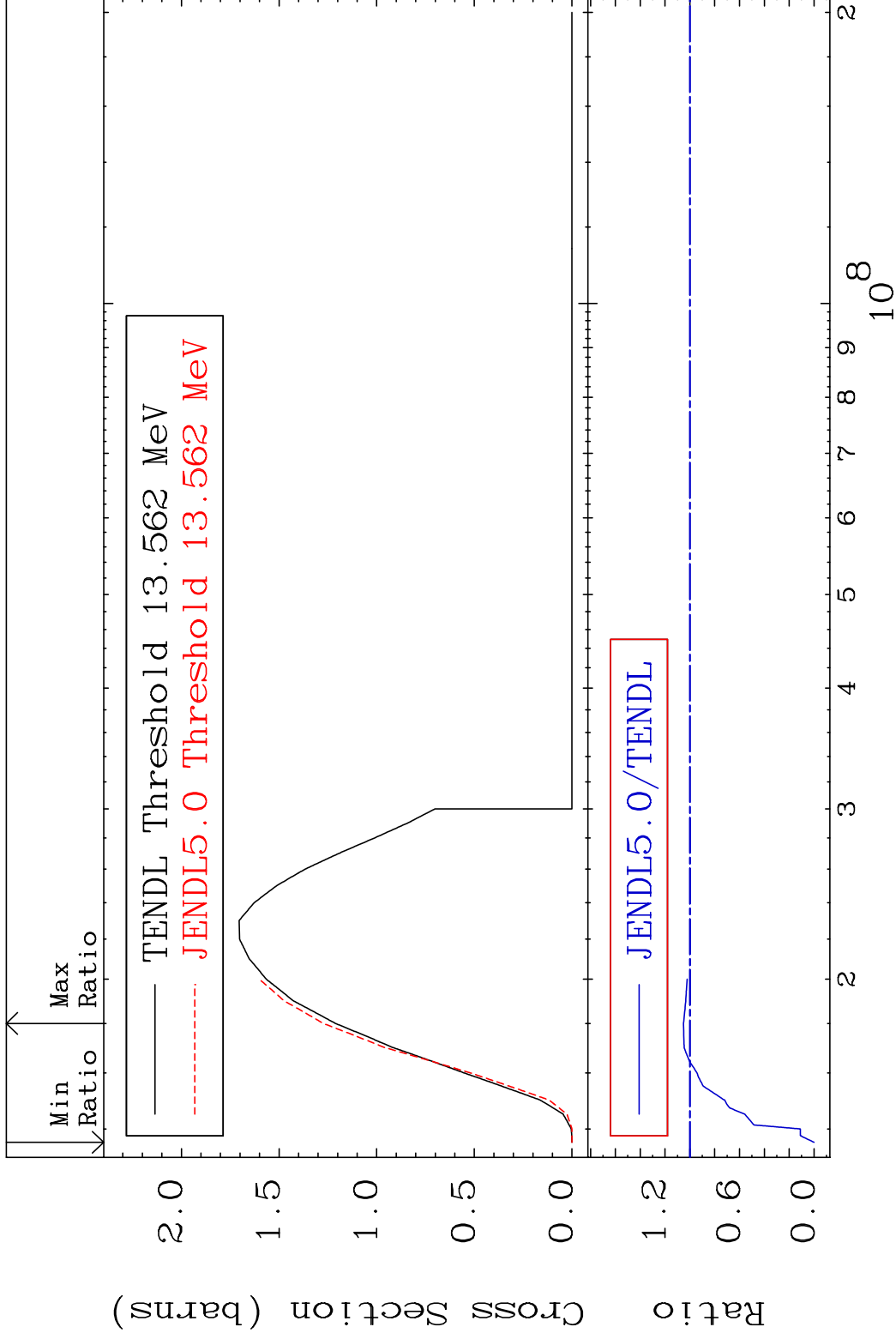
72-Hf-180

MAT 7243

(n,3n)

72-Hf-180

Cross Section -100.0 To 5.159 %



5

Incident Energy (eV)

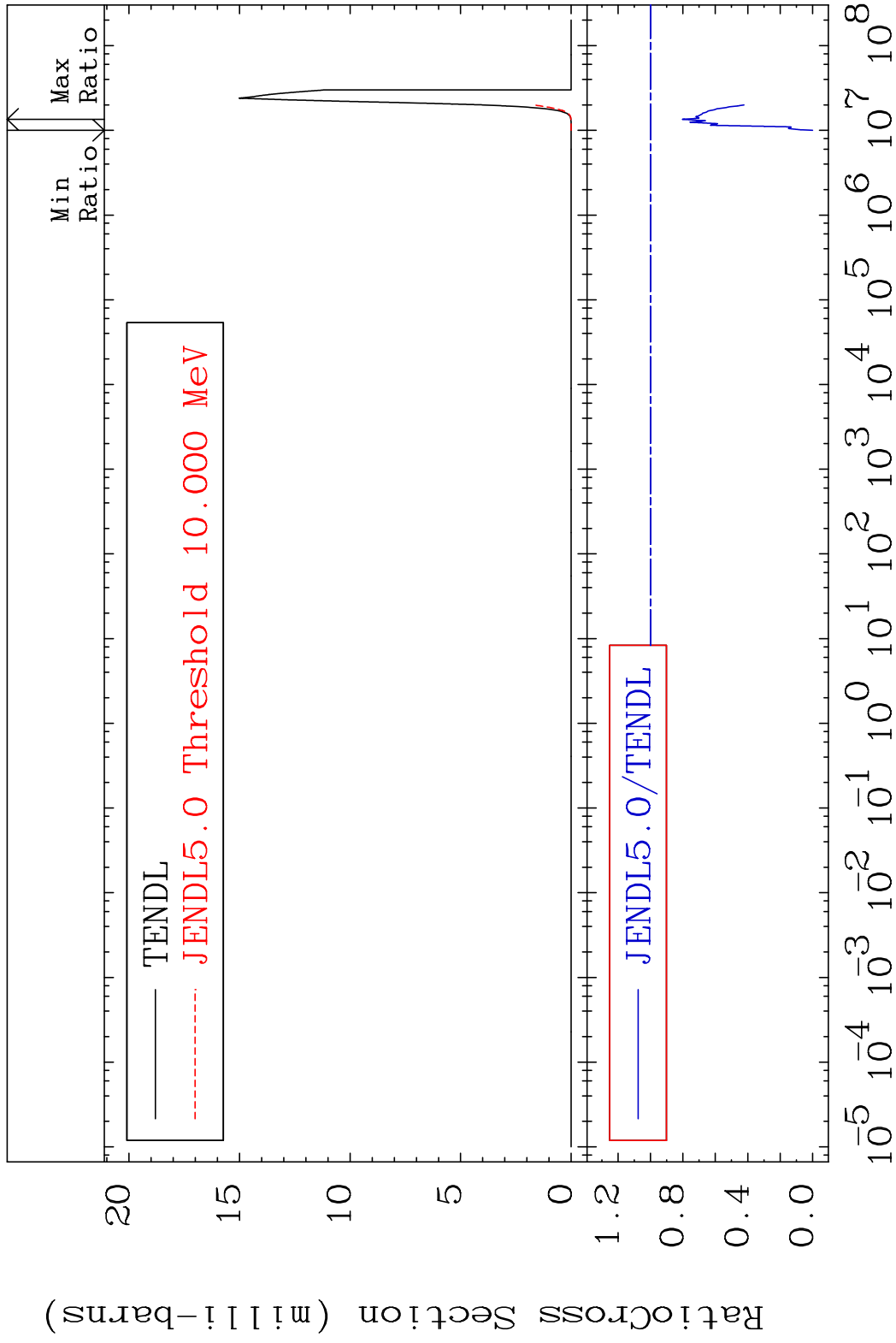
72-Hf-180

MAT 7243

(n, n')  $\alpha$

72-Hf-180

Cross Section -100.0 To -19.66%

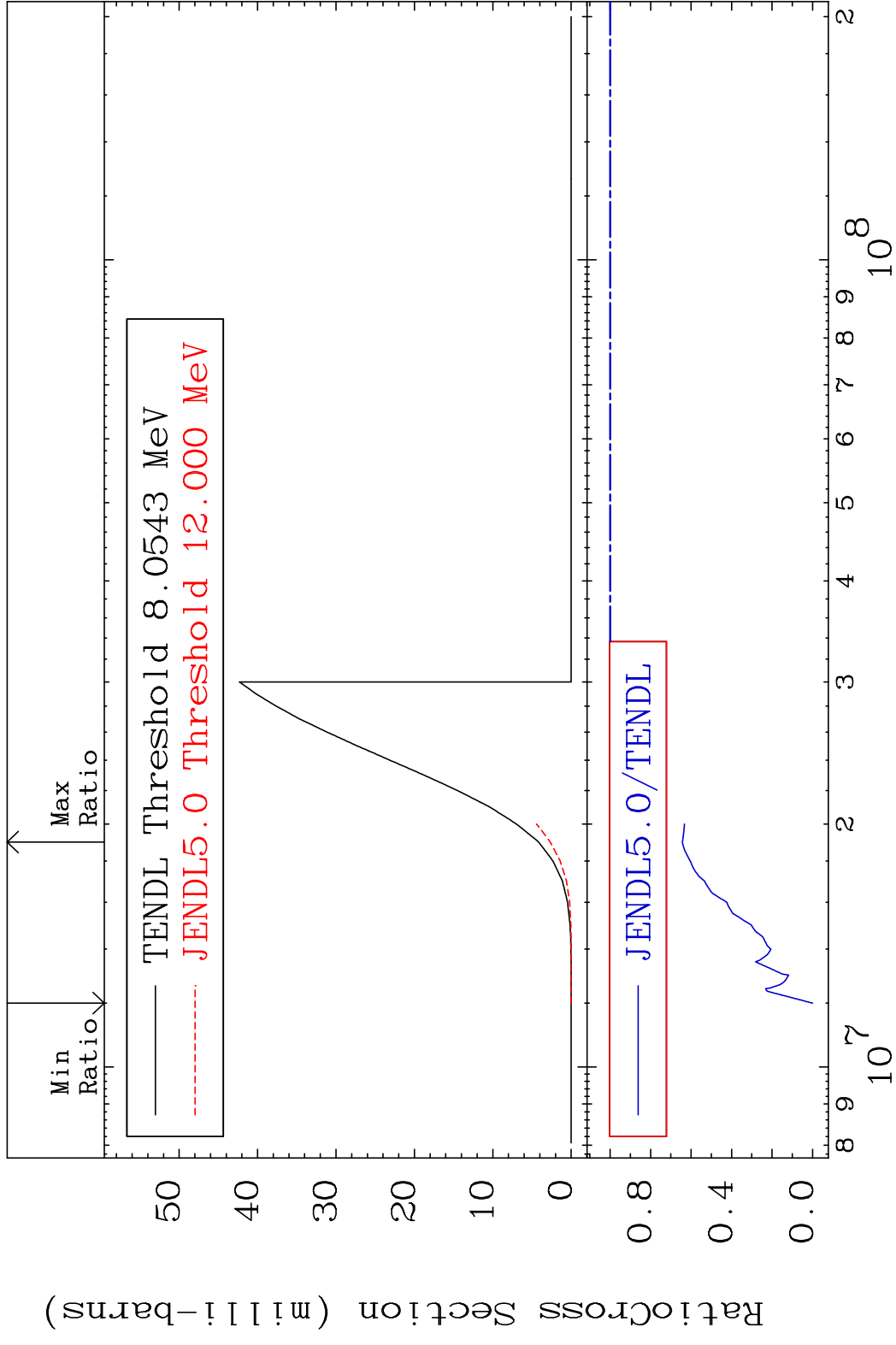


6

Incident Energy (eV)

72-Hf-180

MAT 7243 (n, n') p 72-Hf-180  
 Cross Section -100.0 To -35.69%



7 Incident Energy (eV) 72-Hf-180

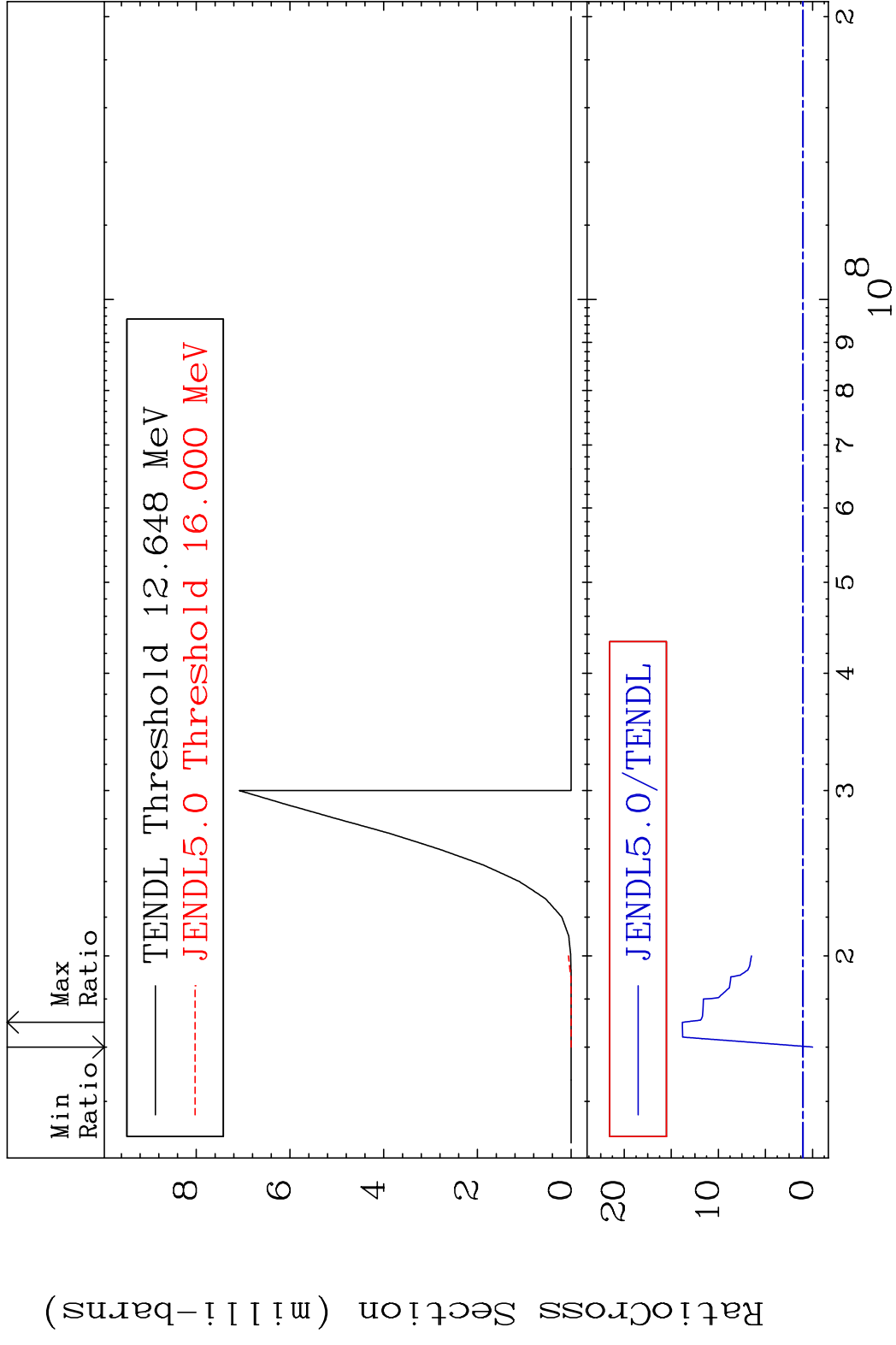


MAT 7243

(n, n') d

72-Hf-180

Cross Section -100.0 To 1283. %

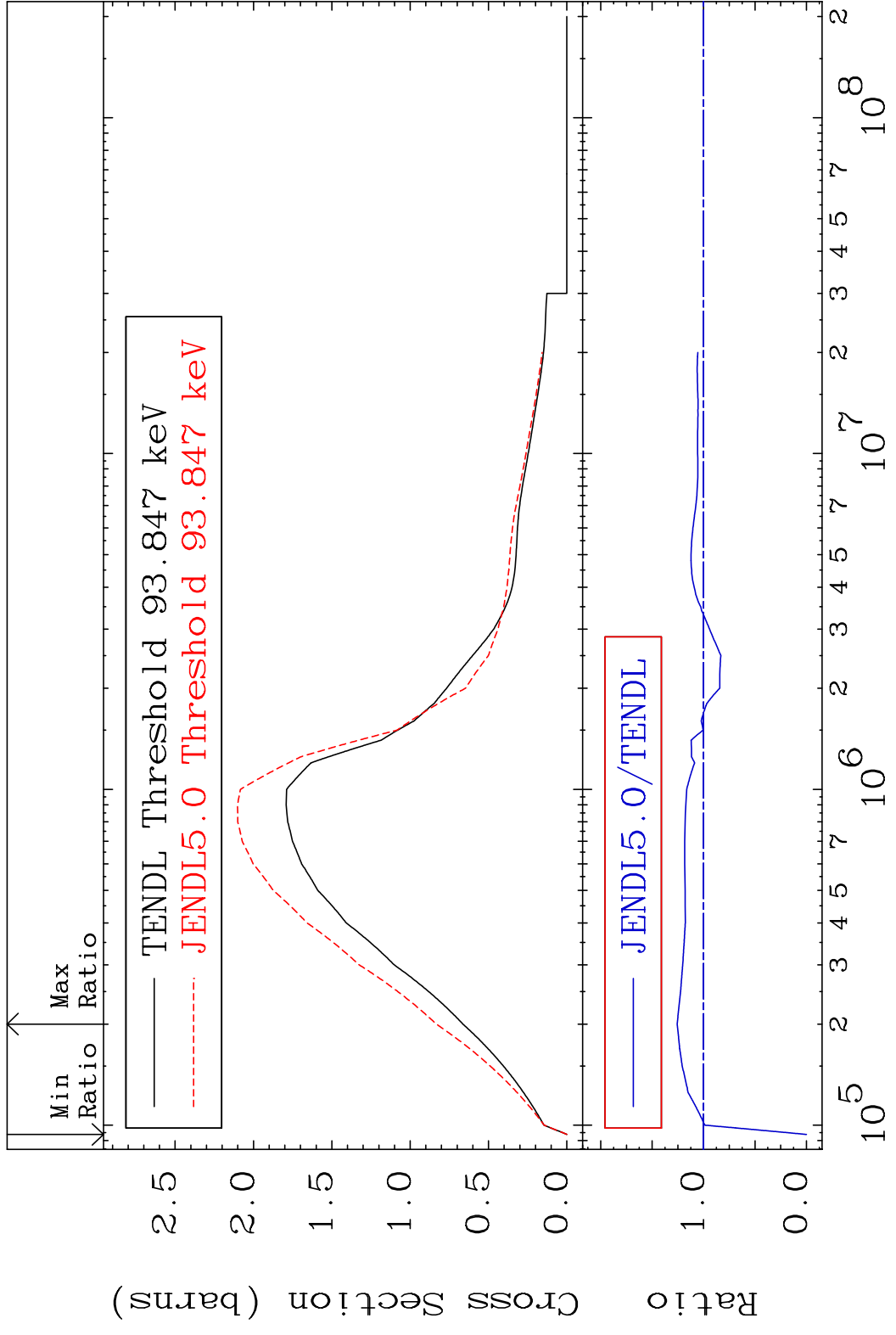


8

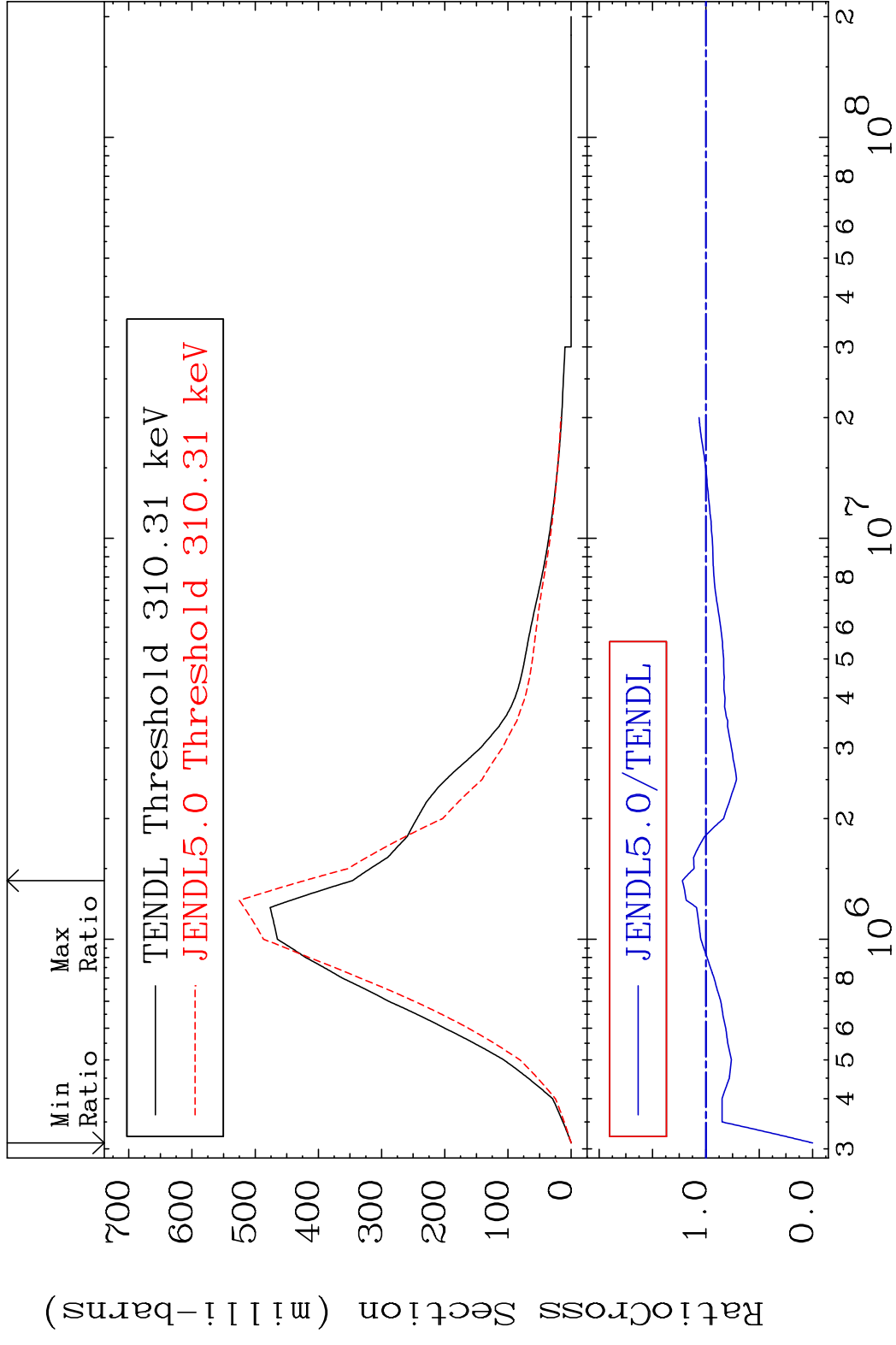
Incident Energy (eV)

72-Hf-180

MAT 7243 MT= 51 (n,n') Level 72-Hf-180  
 Cross Section -100.0 To 25.65 %

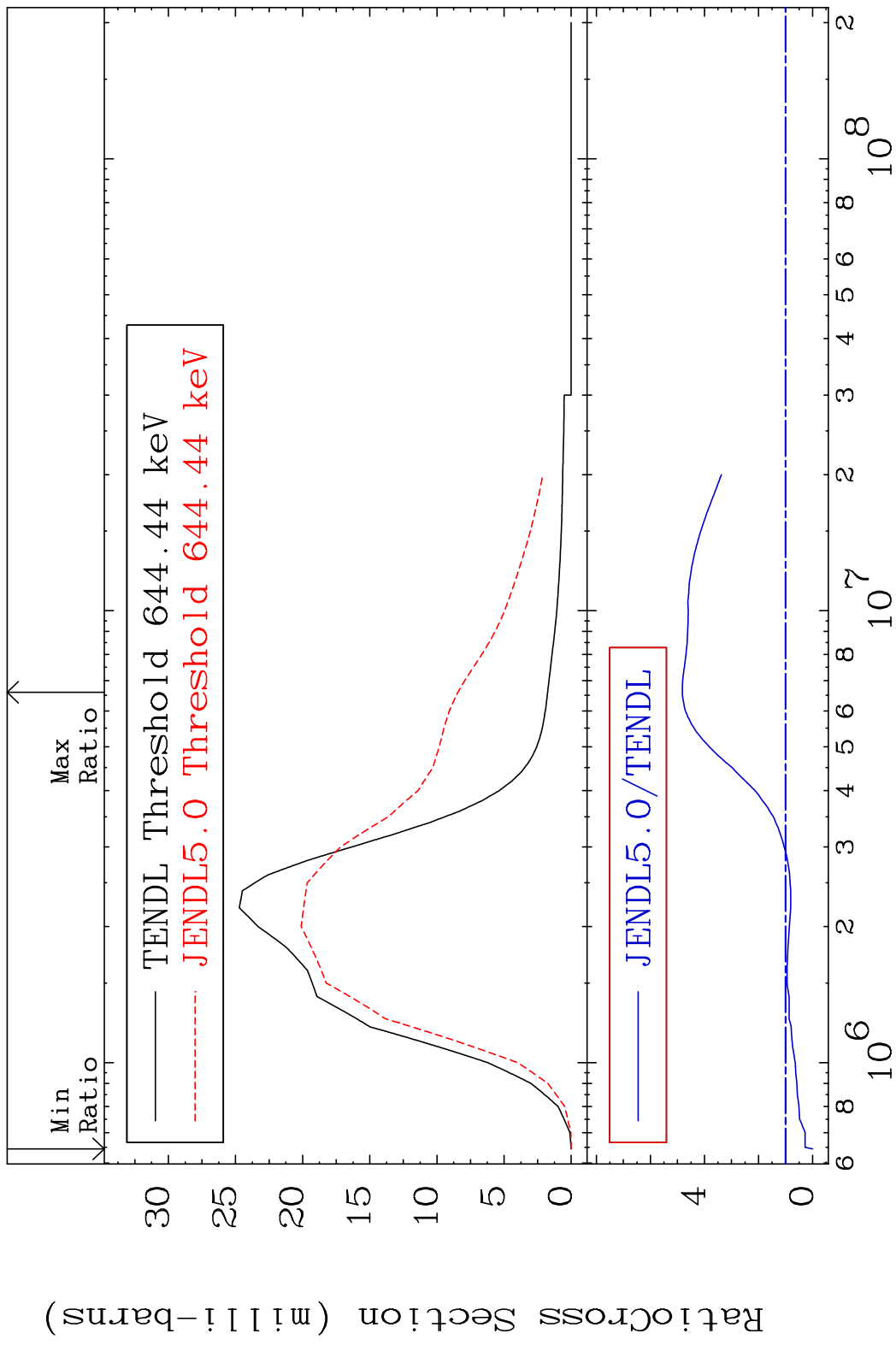


MAT 7243 MT= 52 (n, n') Level 72-Hf-180  
 Cross Section -100.0 To 21.96 %

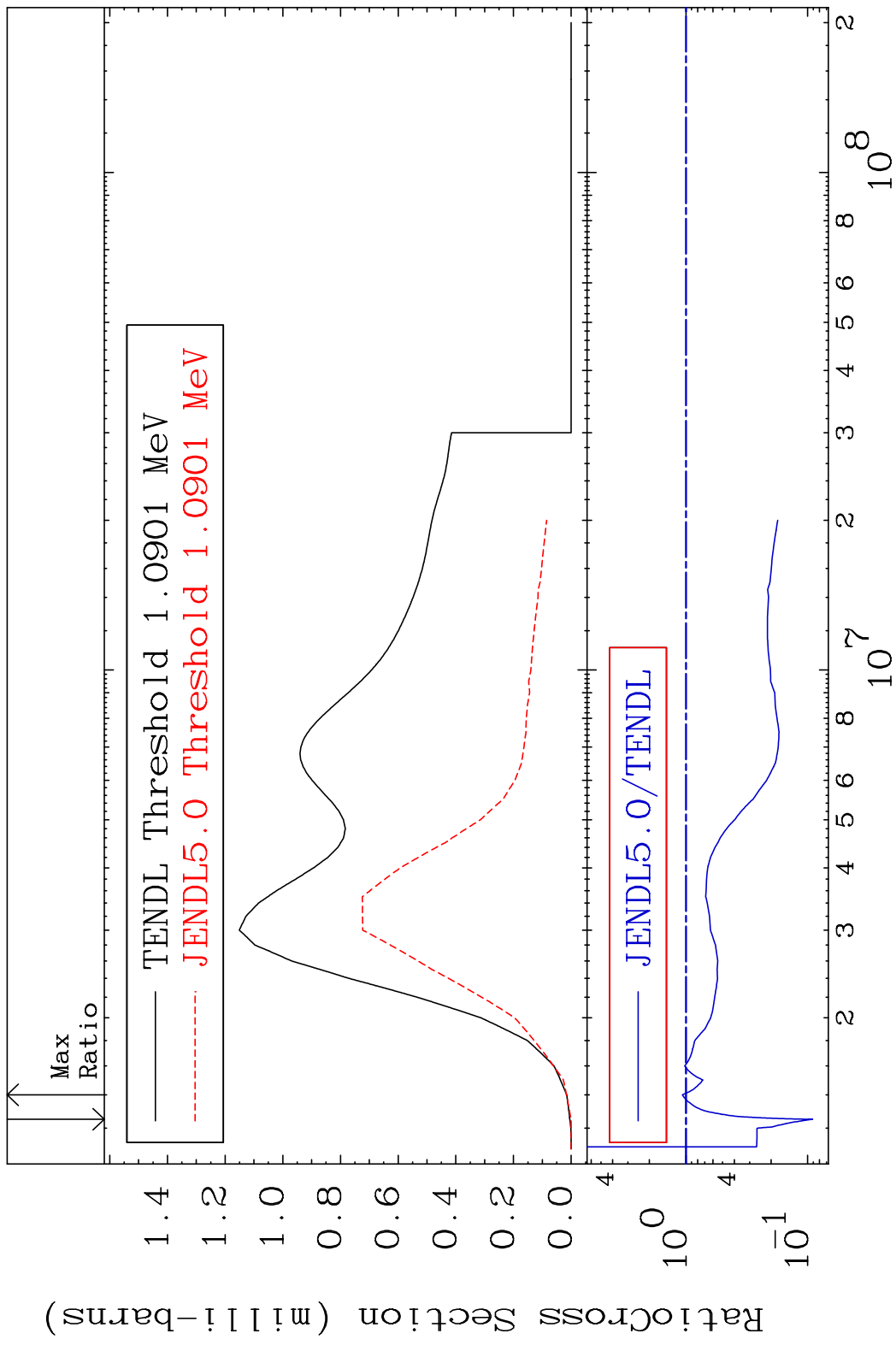


10 Incident Energy (eV) 72-Hf-180

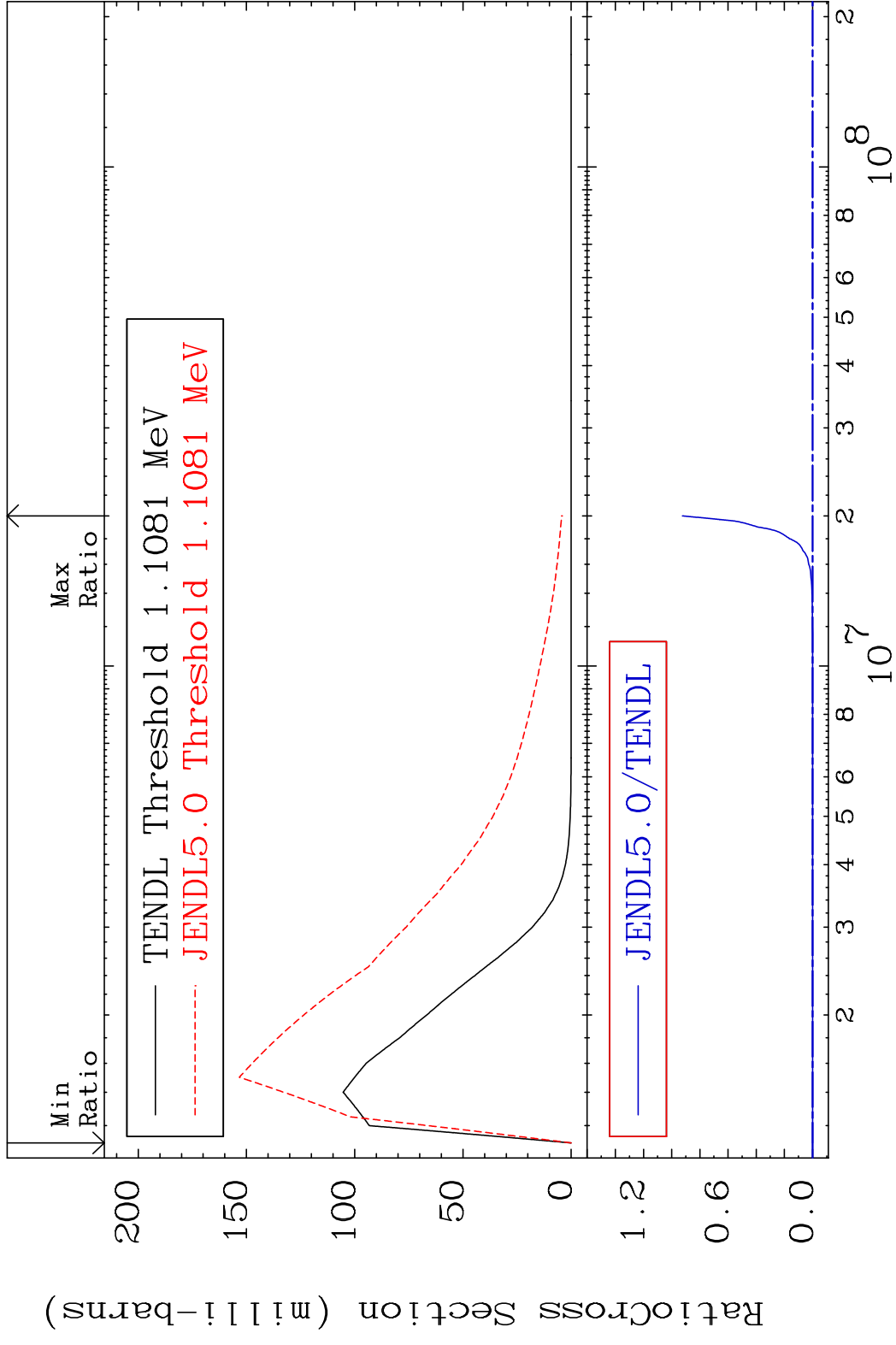
MAT 7243 MT= 53 (n, n') Level 72-Hf-180  
 Cross Section -100.0 To 381.9 %



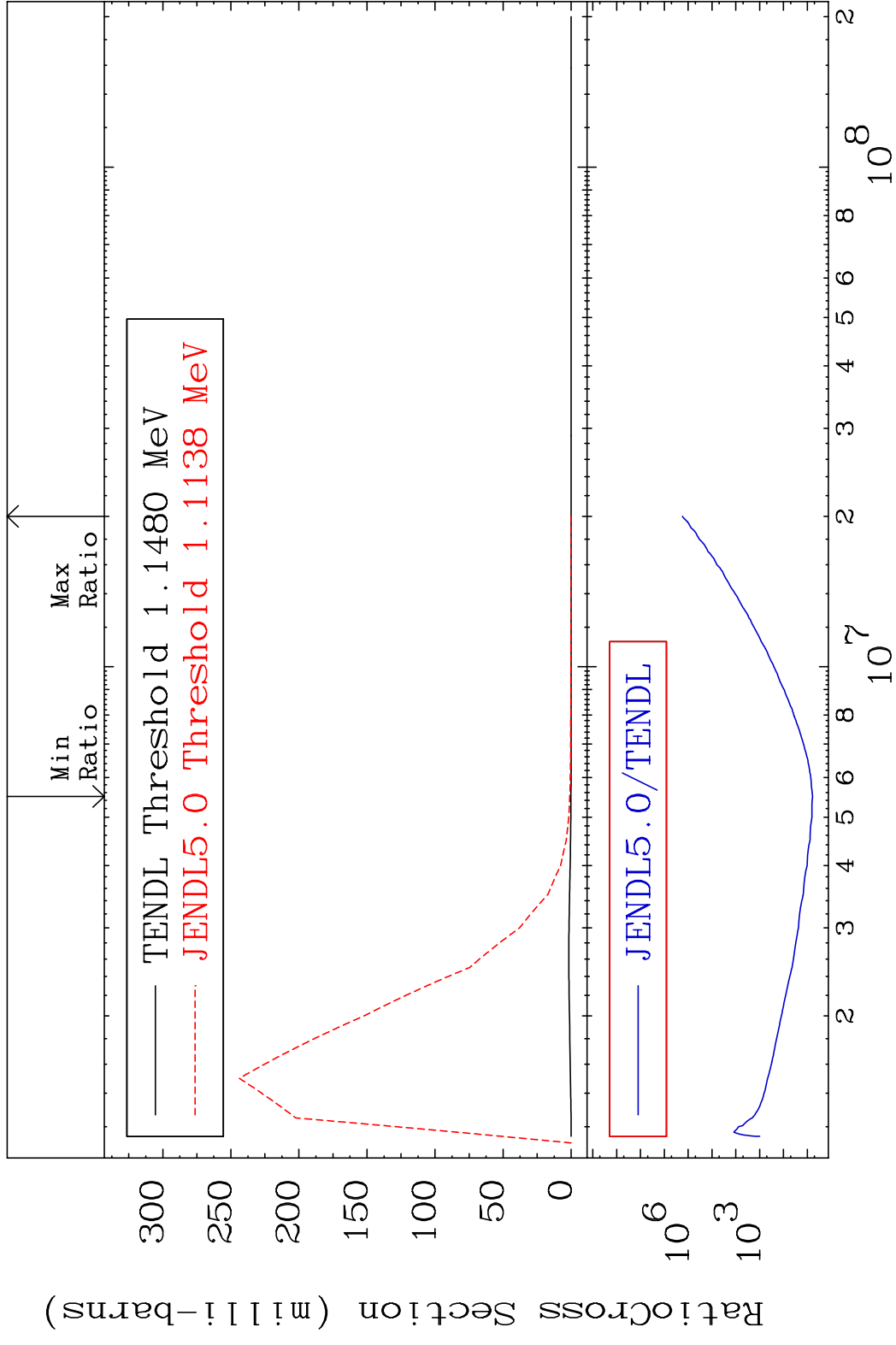
MAT 7243 MT= 54 (n, n') Level 72-Hf-180  
 Cross Section -90.88 To 7.074 %



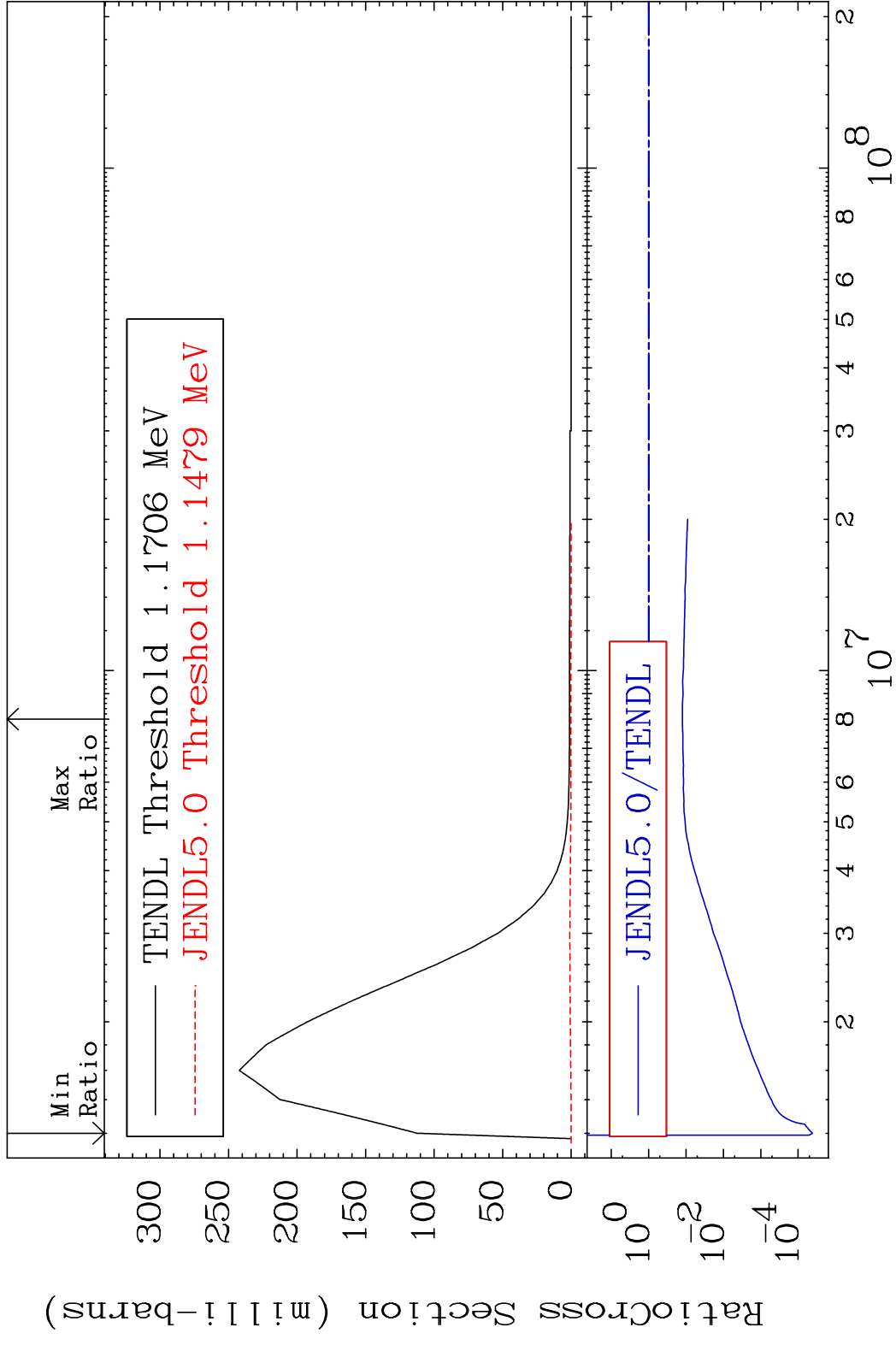
MAT 7243 MT= 55 (n, n') Level 72-Hf-180  
 Cross Section -100.0 To 9999. %



MAT 7243 MT= 56 (n, n') Level 72-Hf-180  
 Cross Section 504.2 To 9999. %

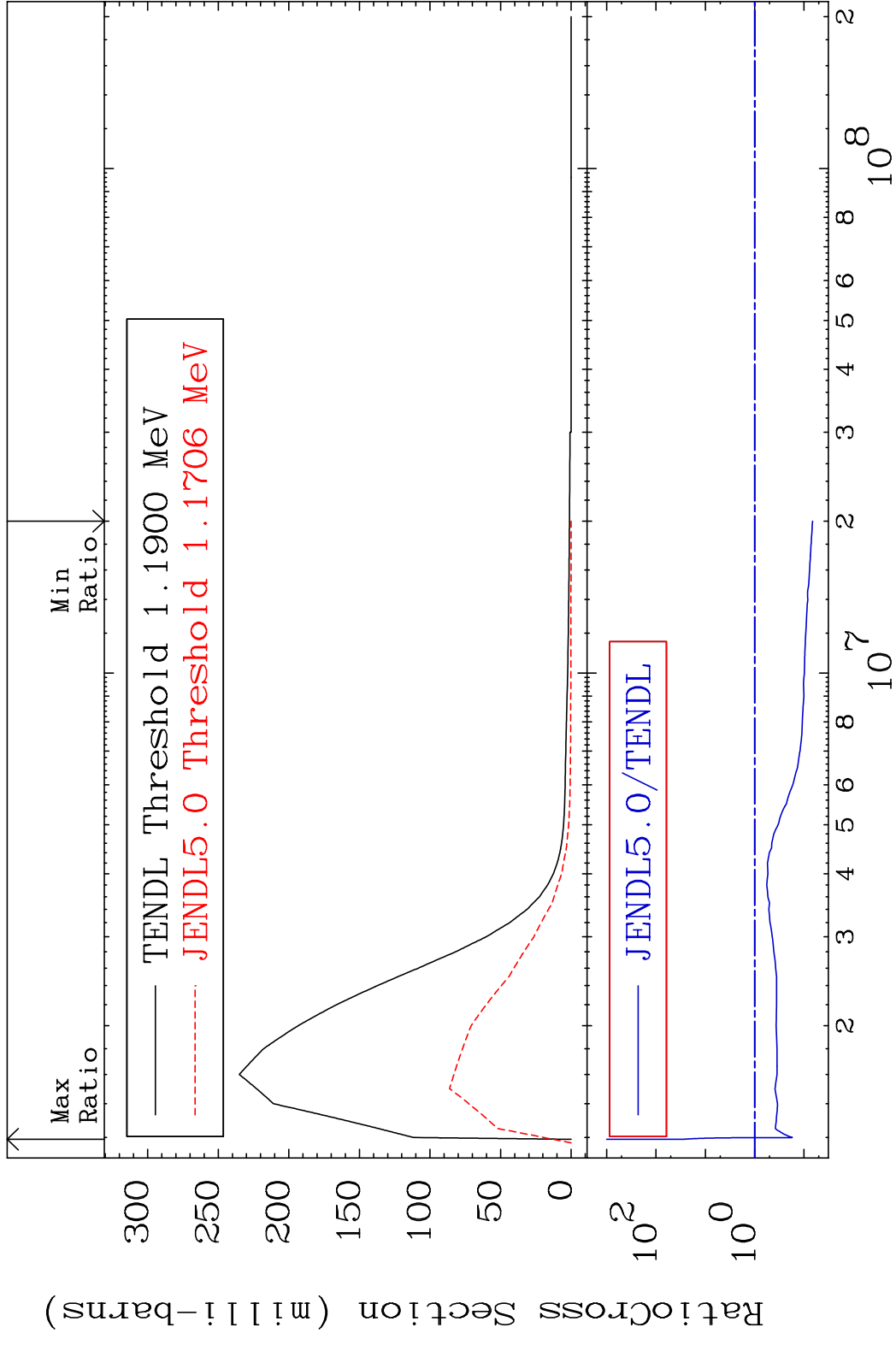


MAT 7243 MT= 57 (n, n') Level 72-Hf-180  
 Cross Section -100.0 To -87.50%

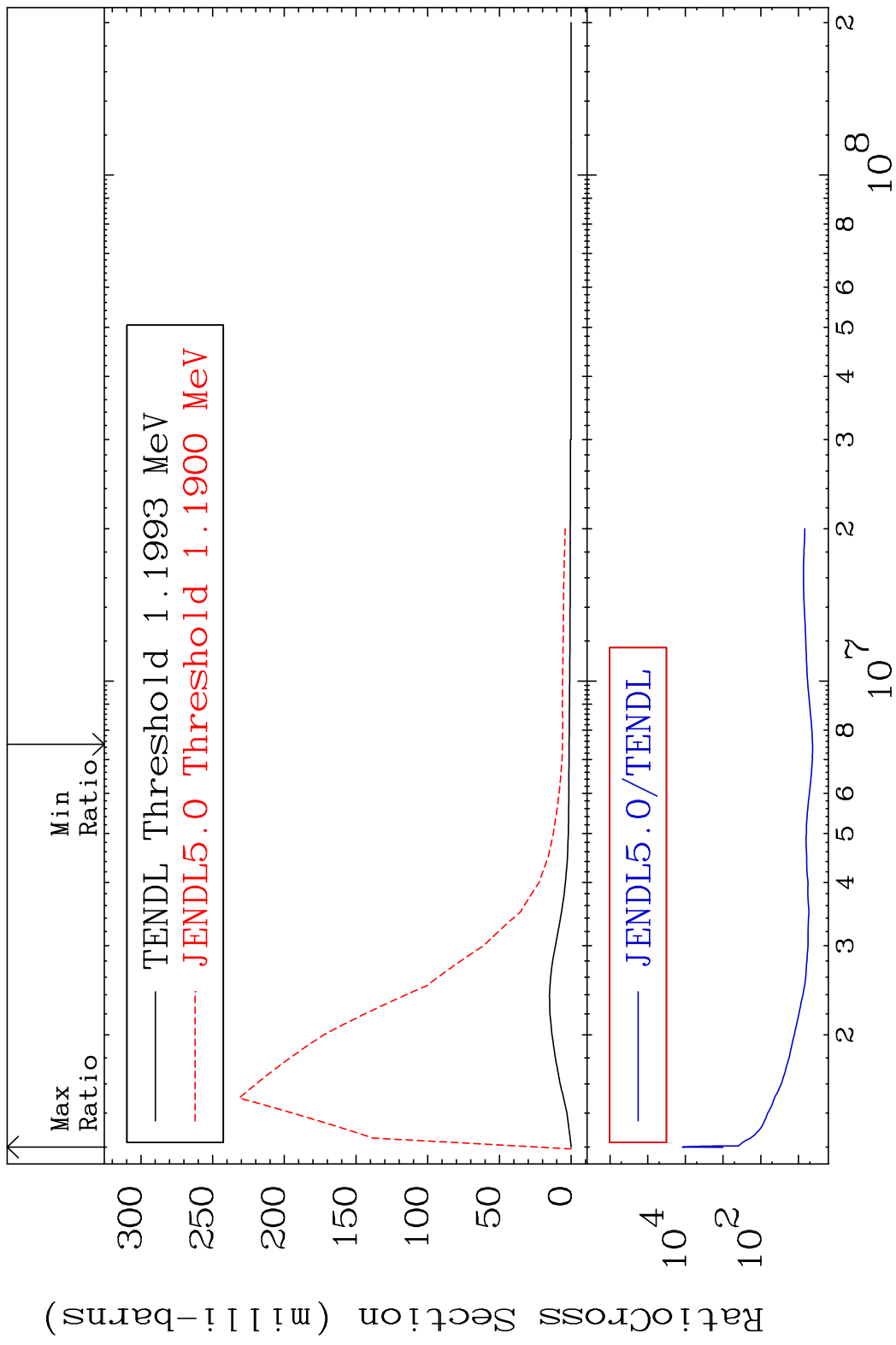




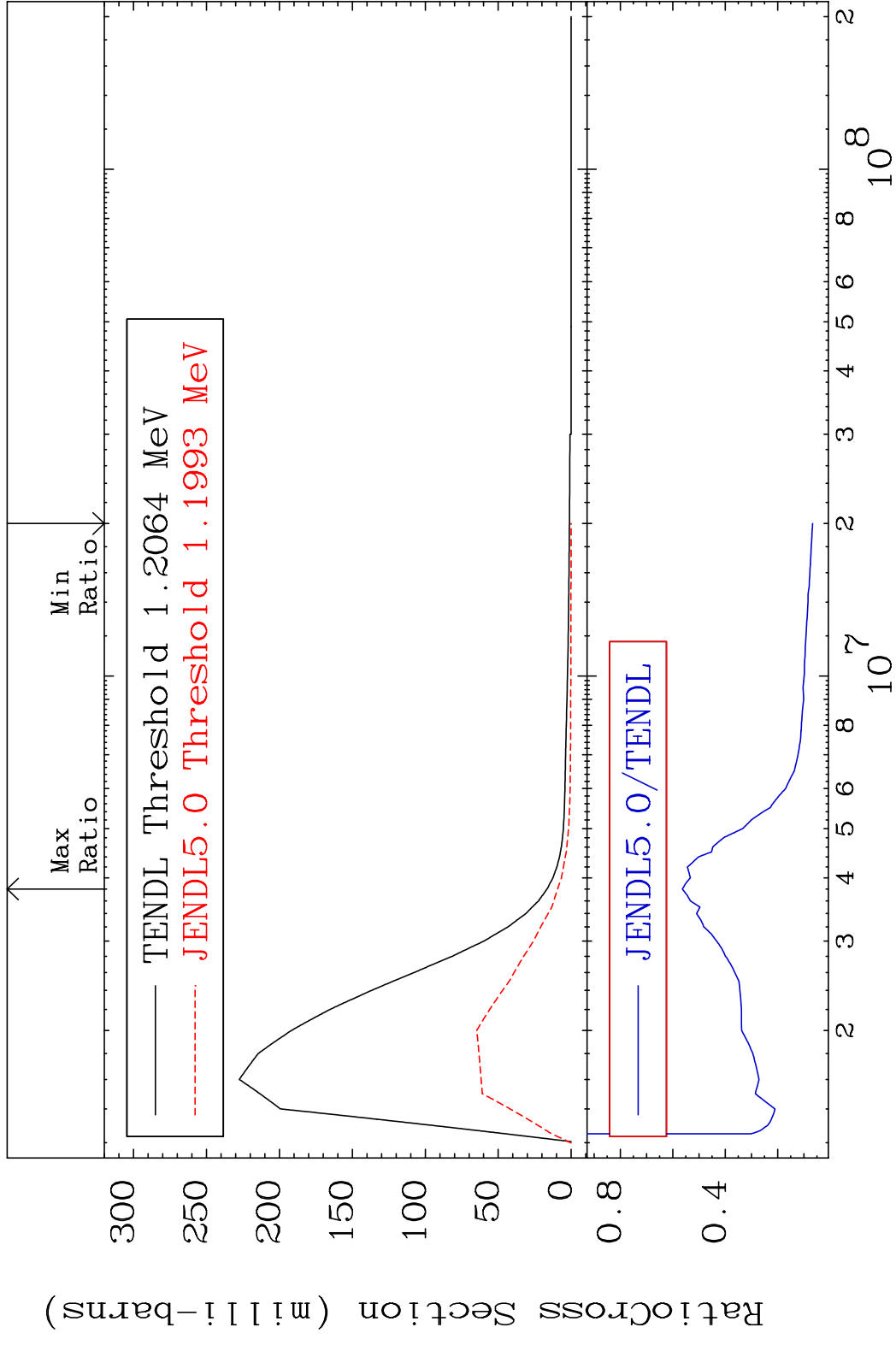
MAT 7243 MT= 58 (n, n') Level 72-Hf-180  
 Cross Section -93.28 To 2822. %



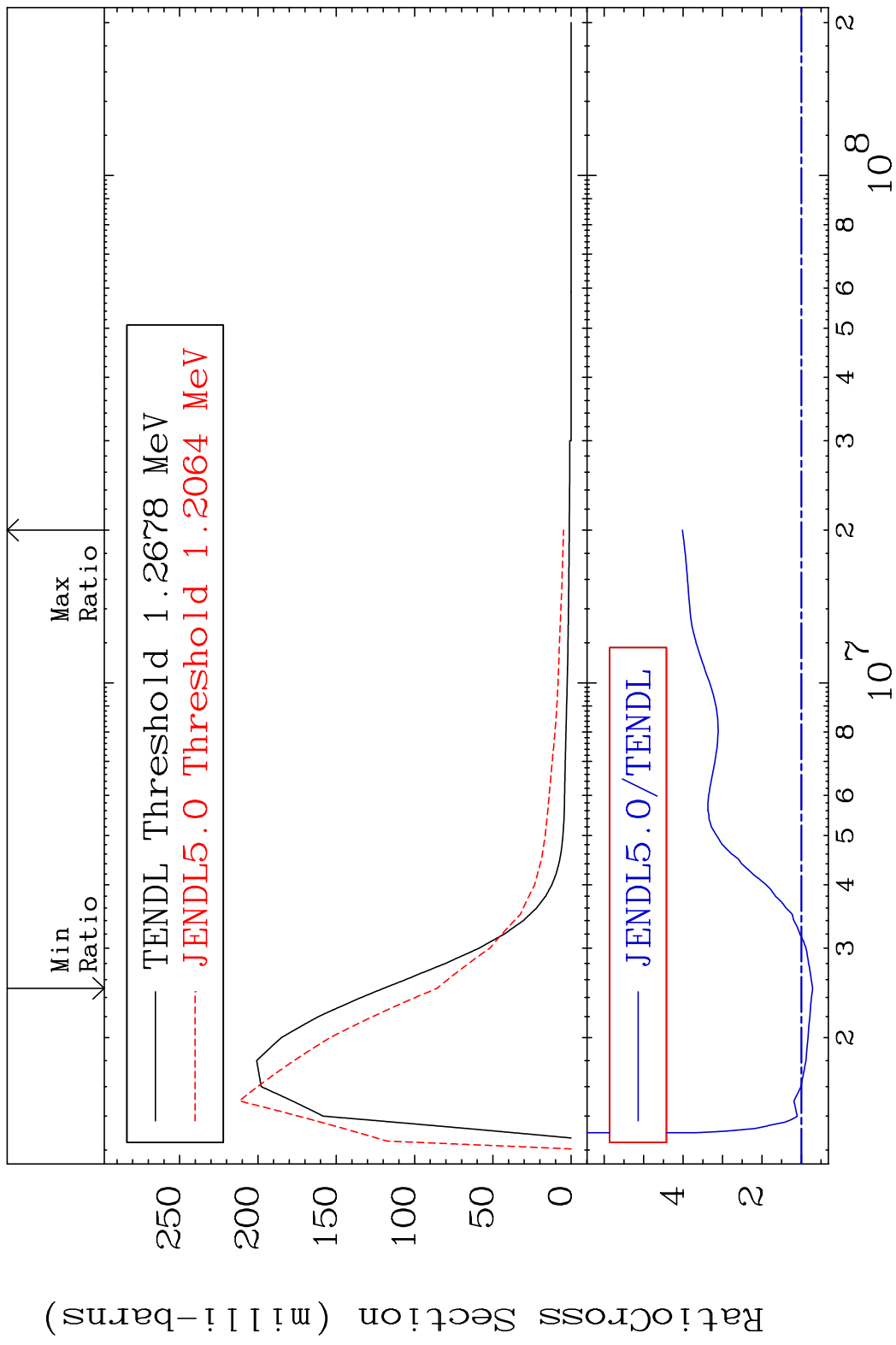
MAT 7243 MT= 59 (n,n') Level 72-Hf-180  
 Cross Section 322.6 To 9999. %



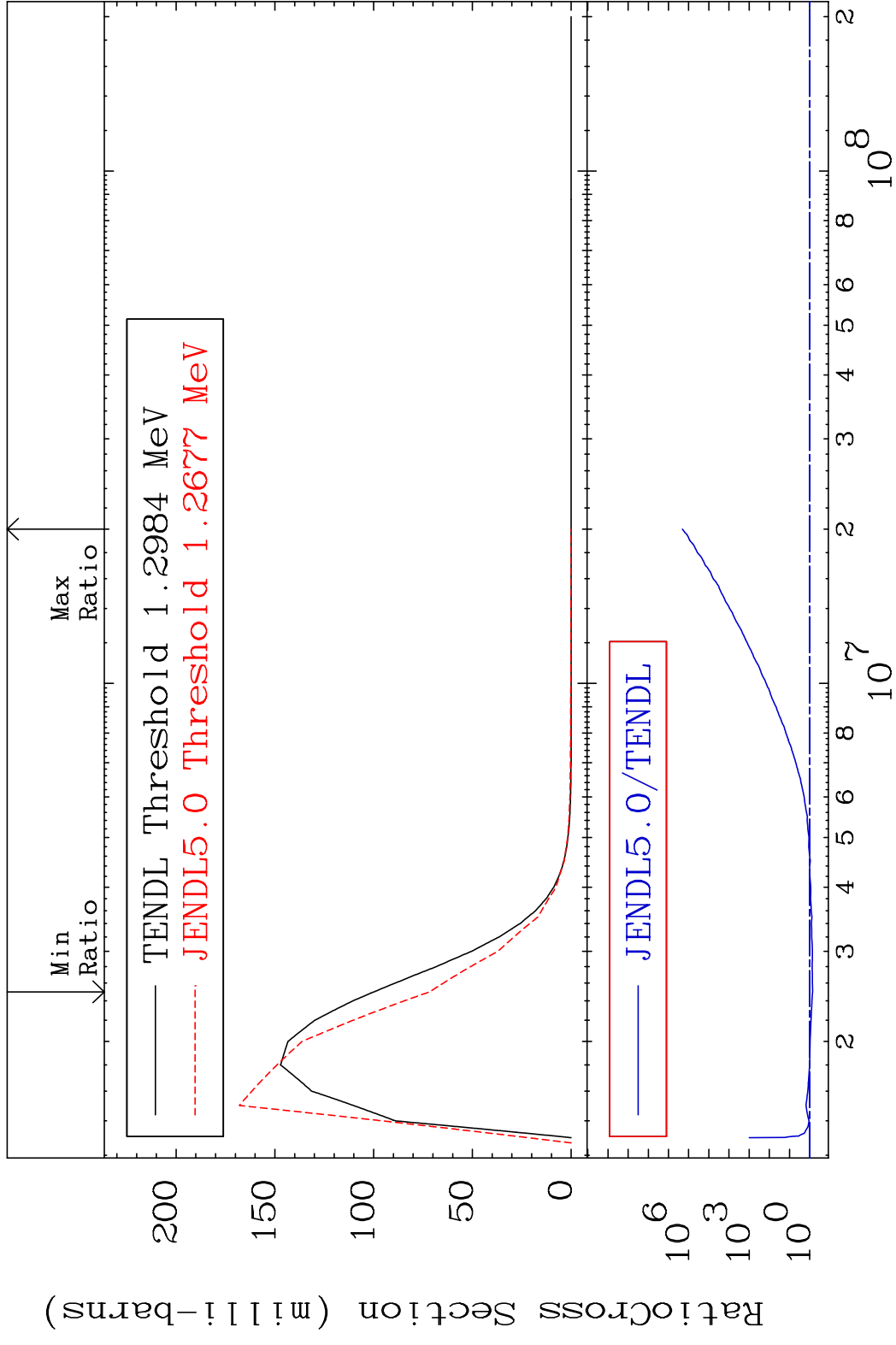
MAT 7243 MT= 60 (n, n') Level 72-Hf-180  
 Cross Section -93.29 To -43.65%



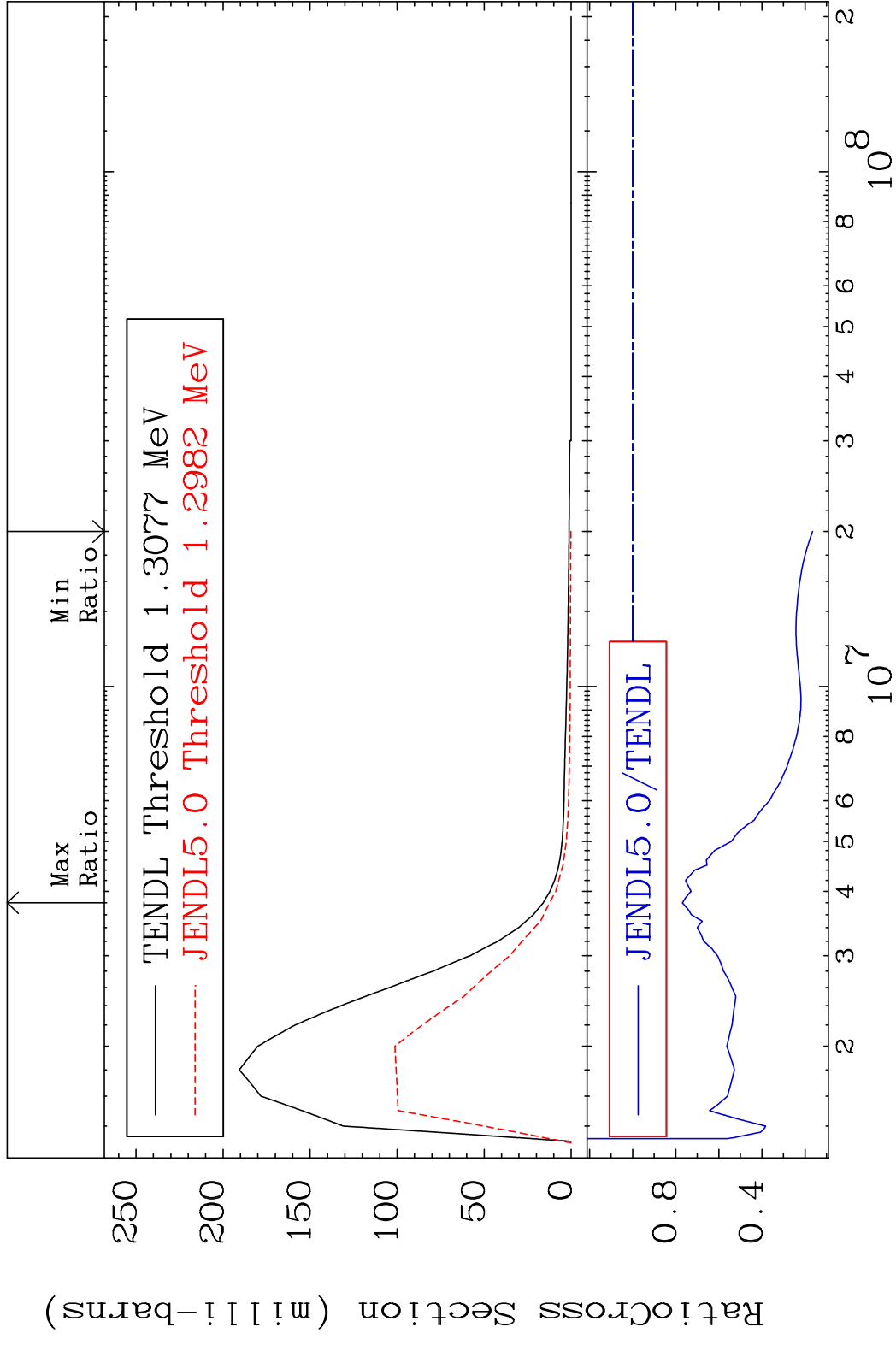
MAT 7243 MT= 61 (n, n') Level 72-Hf-180  
 Cross Section -28.44 To 301.9 %



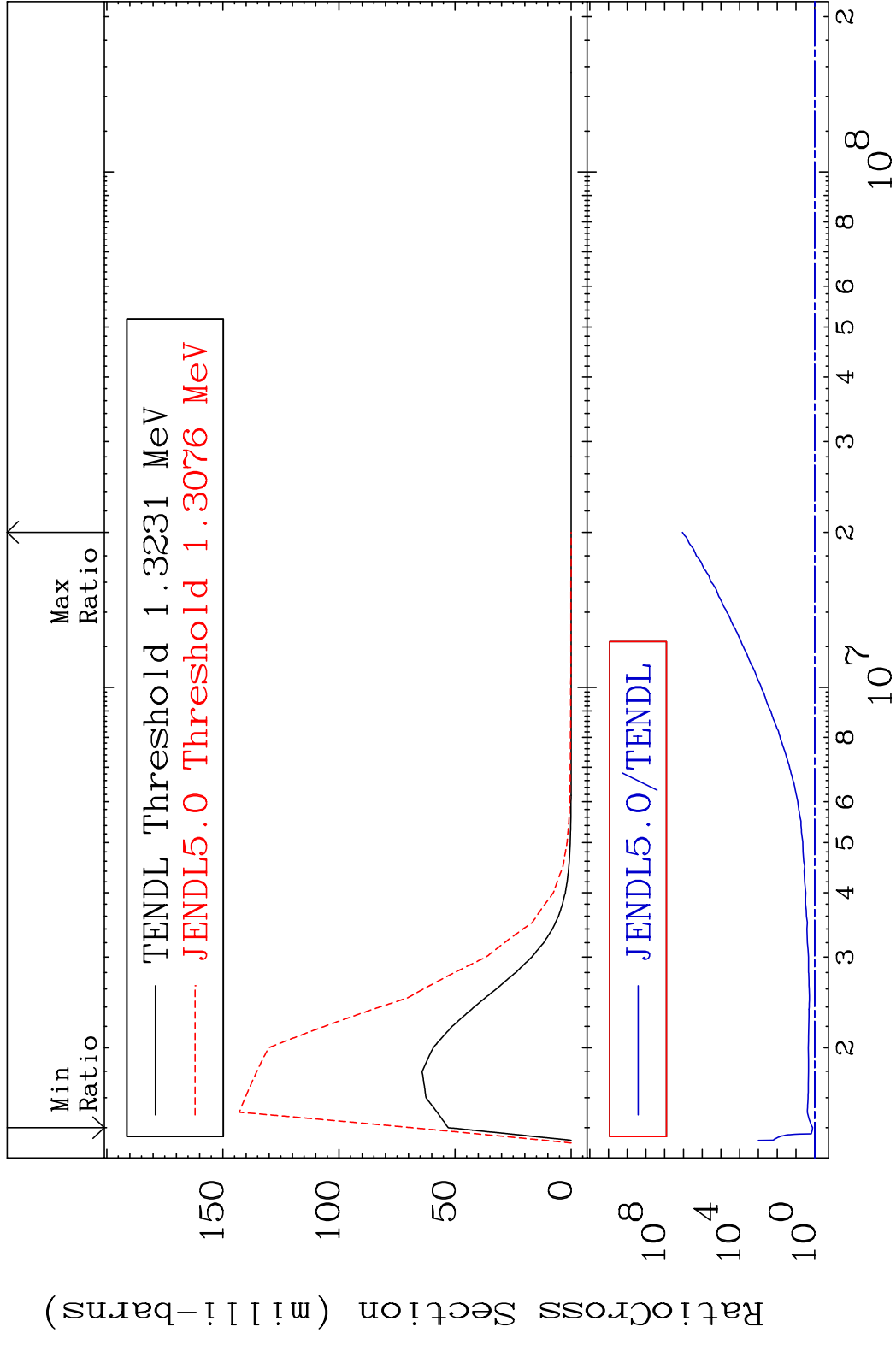
MAT 7243 MT= 62 (n, n') Level 72-Hf-180  
 Cross Section -28.22 To 9999. %



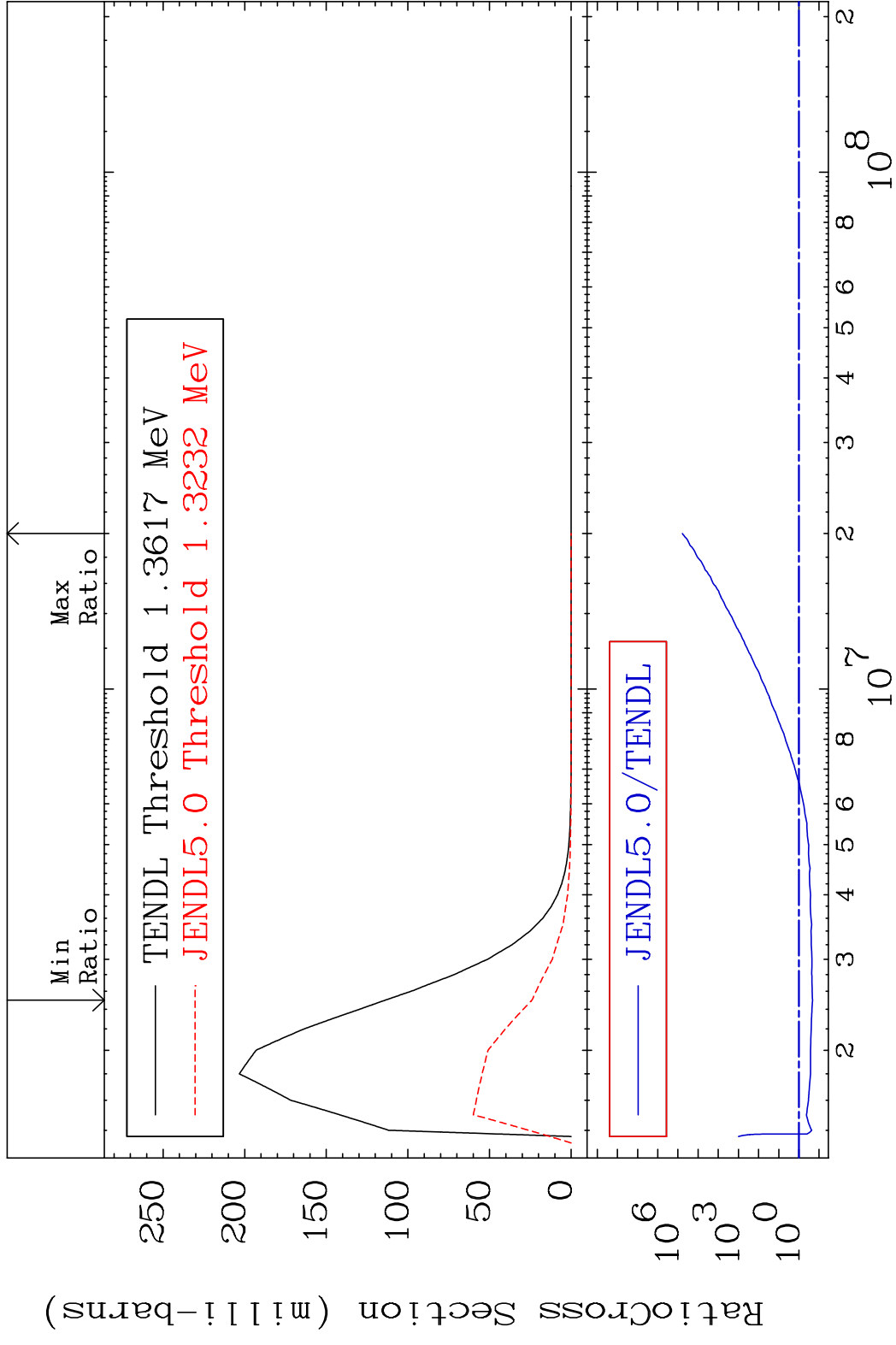
MAT 7243 MT= 63 (n, n') Level 72-Hf-180  
 Cross Section -83.48 To -23.06%



MAT 7243 MT= 64 (n, n') Level 72-Hf-180  
 Cross Section 29.49 To 9999. %

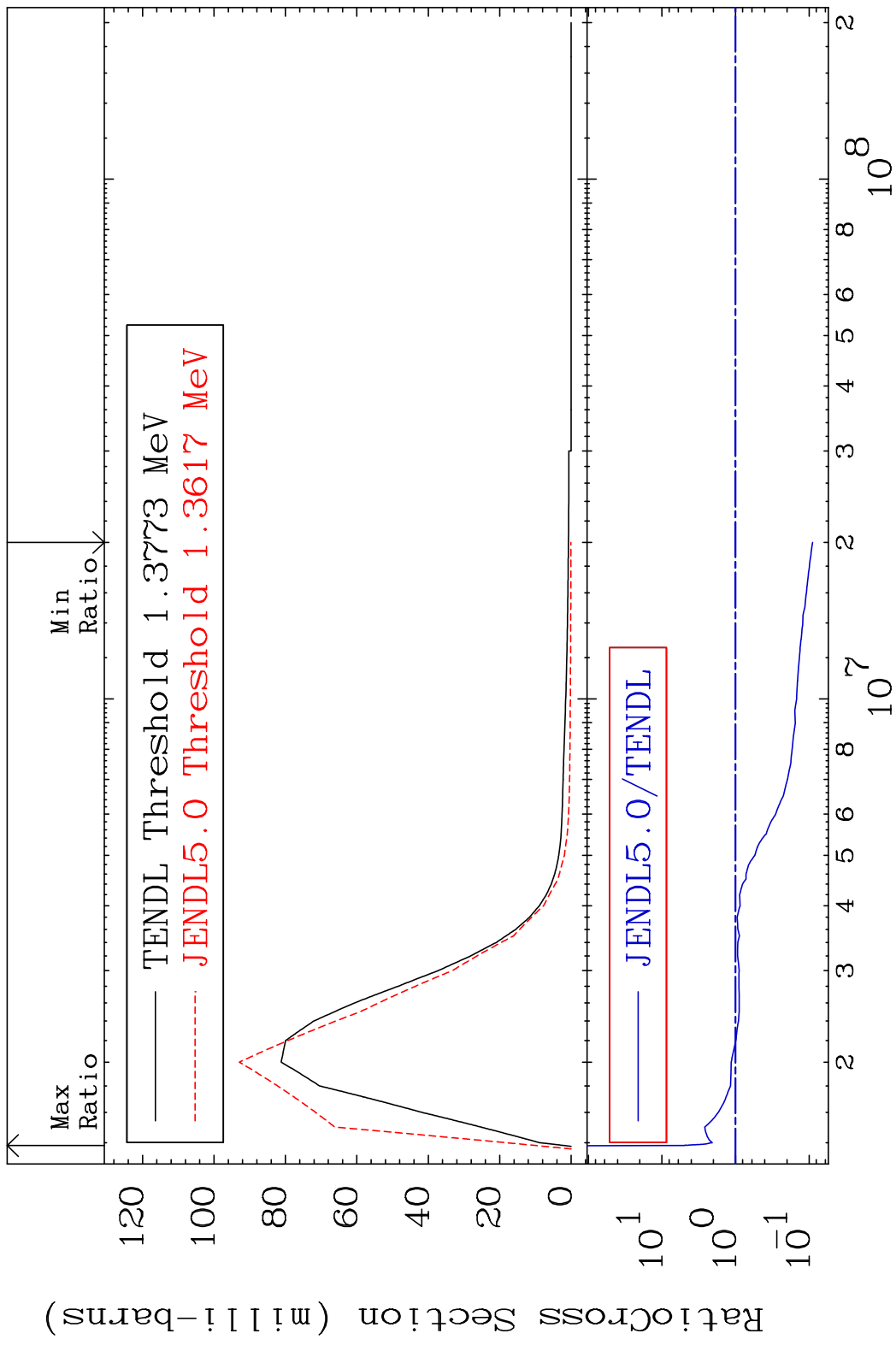


MAT 7243 MT= 65 (n, n') Level 72-Hf-180  
 Cross Section -78.91 To 9999. %

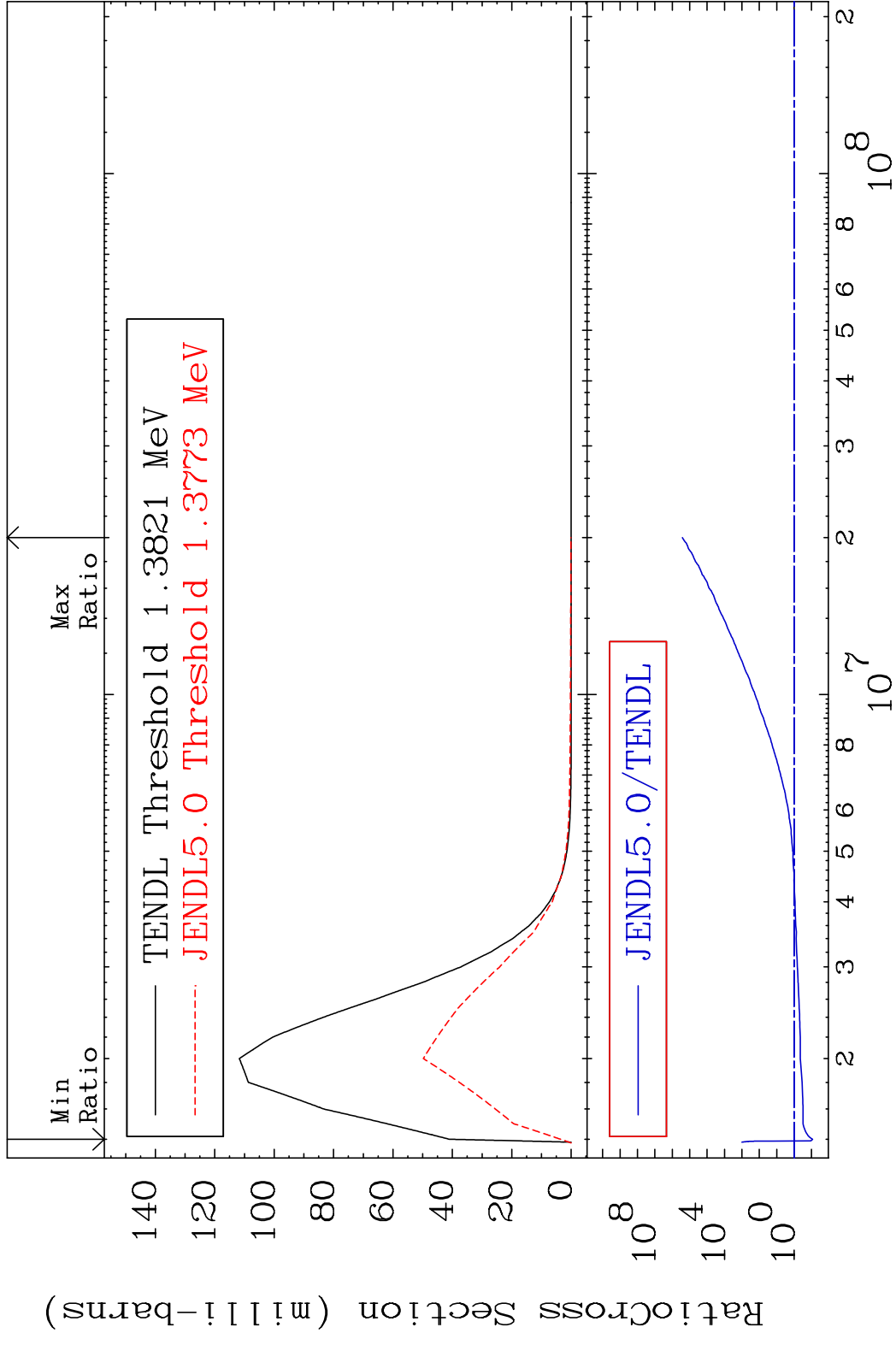




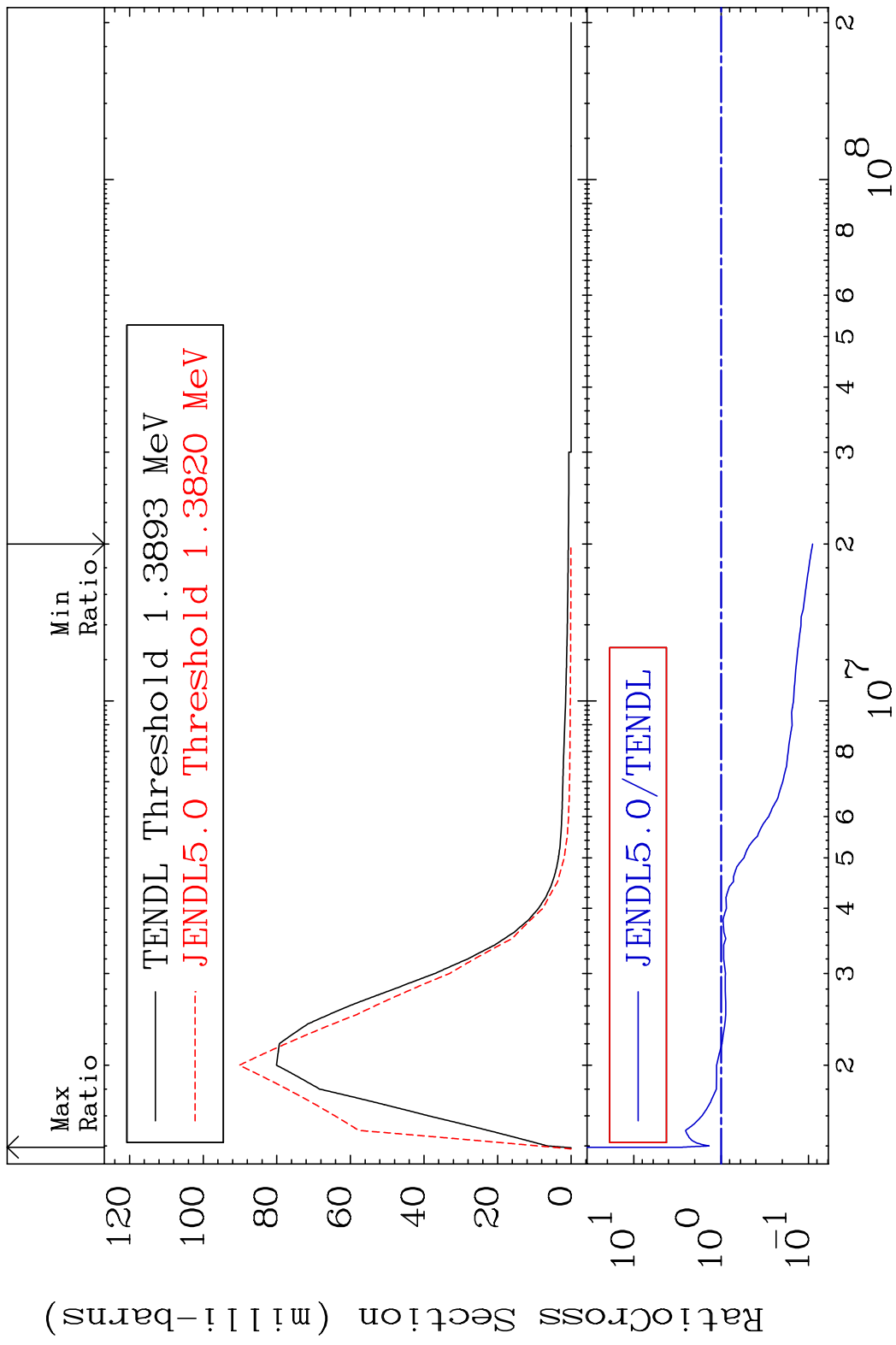
MAT 7243 MT= 66 (n, n') Level 72-Hf-180  
 Cross Section -91.01 To 428.1 %



MAT 7243 MT= 67 (n, n') Level 72-Hf-180  
 Cross Section -91.23 To 9999. %



MAT 7243 MT= 68 (n, n') Level 72-Hf-180  
 Cross Section -91.02 To 177.6 %



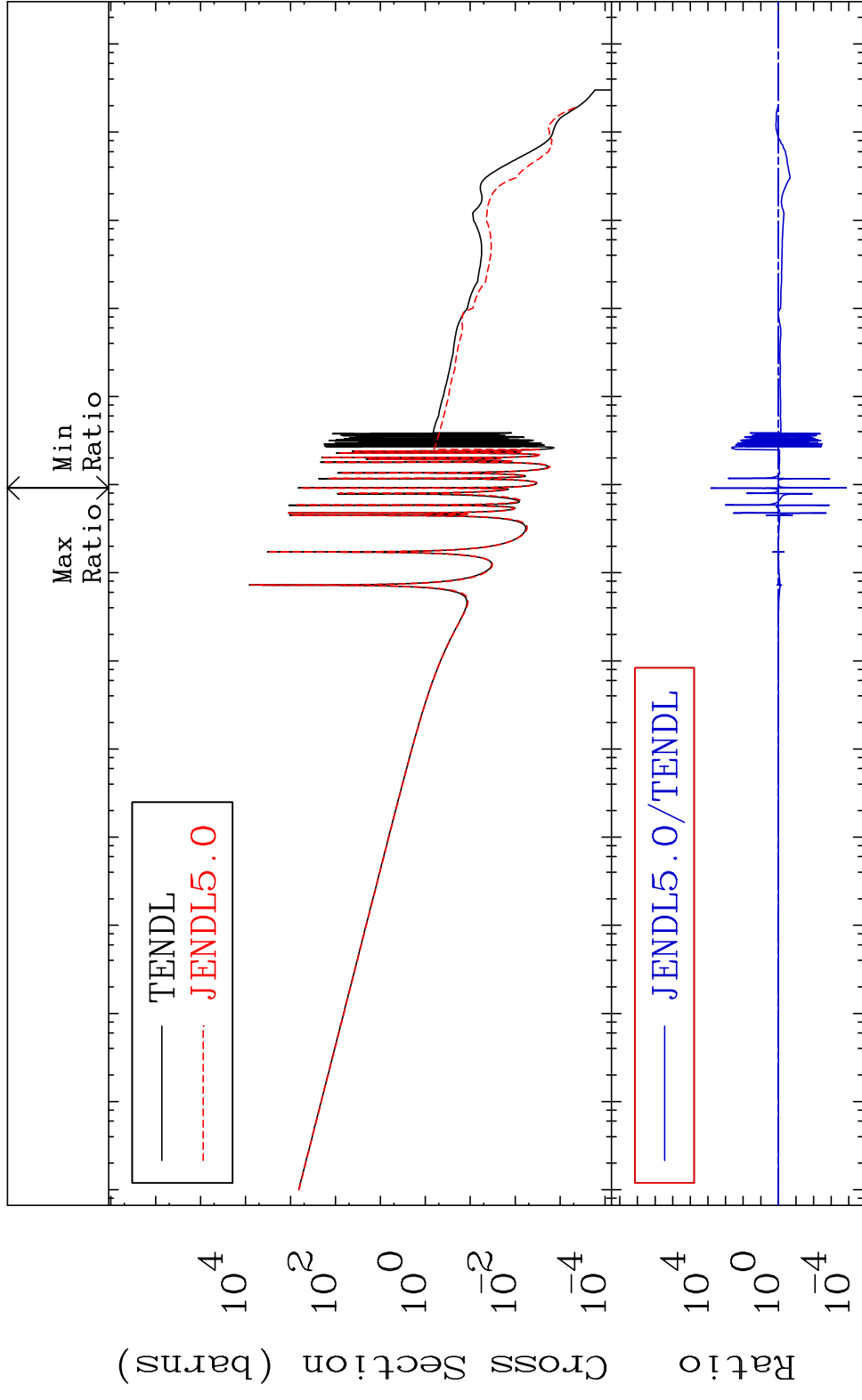


MAT 7243

72-Hf-180

(n,  $\gamma$ )

Cross Section -99.99 To 9999. %

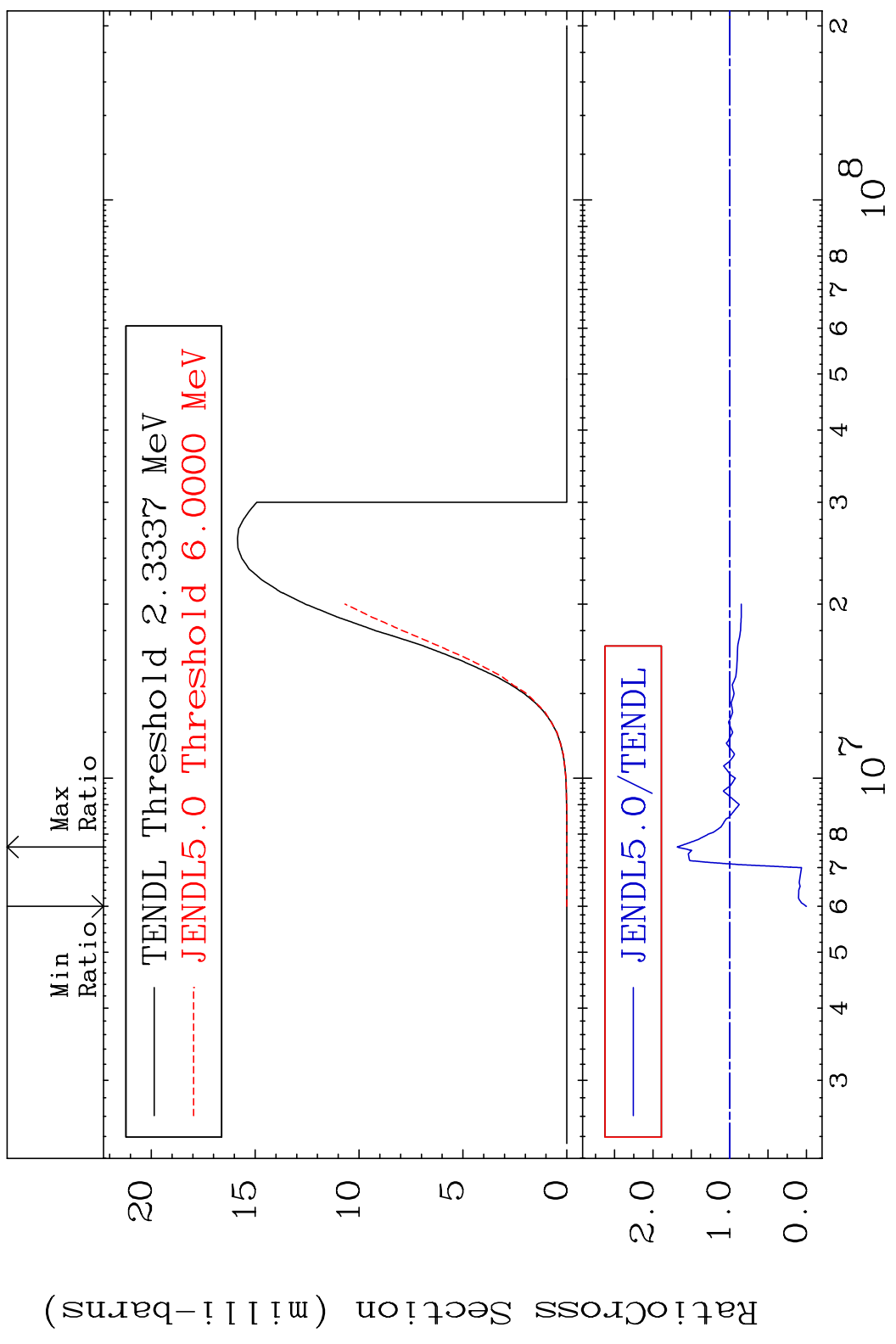


MAT 7243

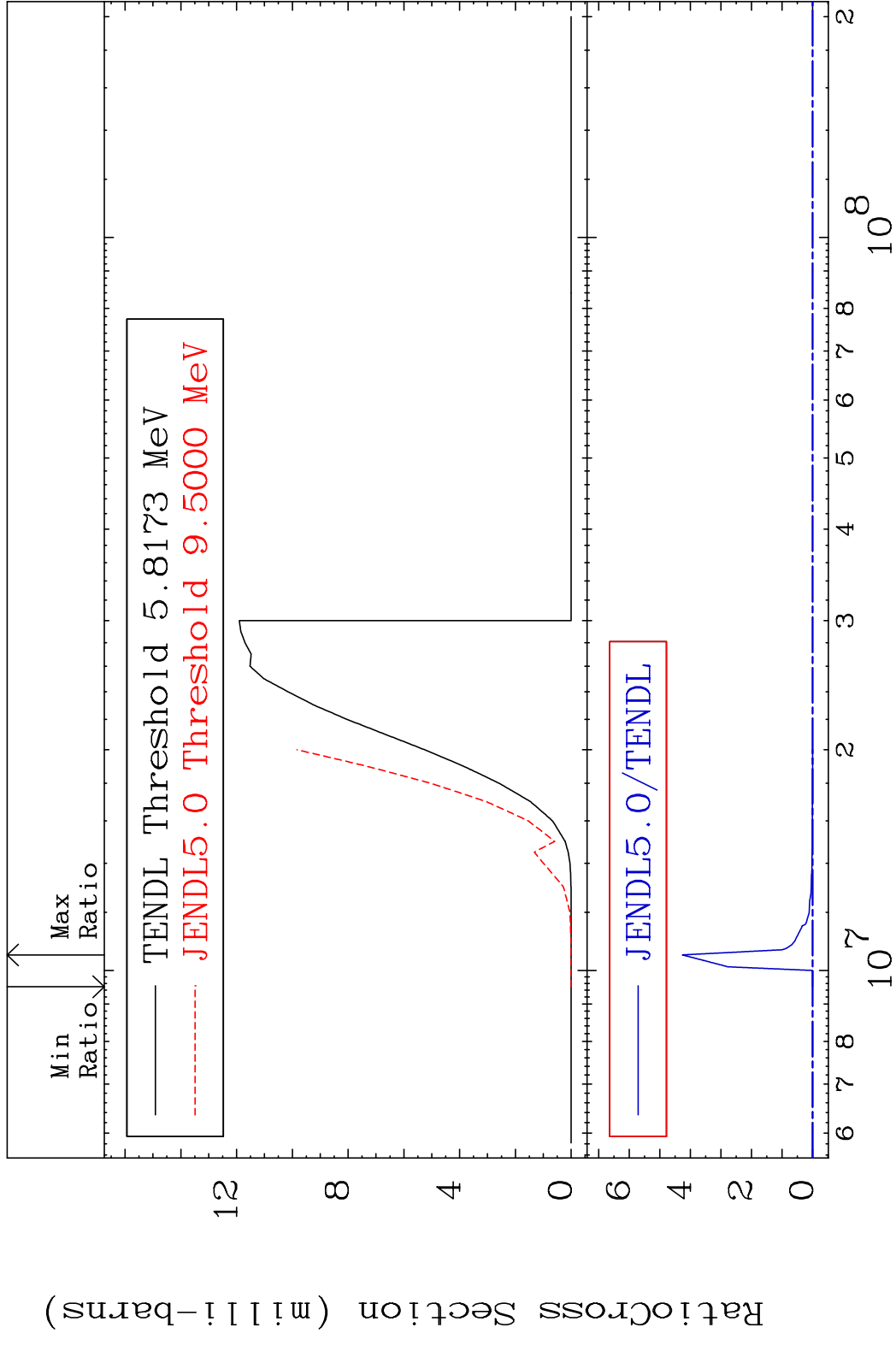
(n,p)

72-Hf-180

Cross Section -100.0 To 68.42 %



MAT 7243 (n,d) 72-Hf-180  
 Cross Section -100.0 To 9999. %

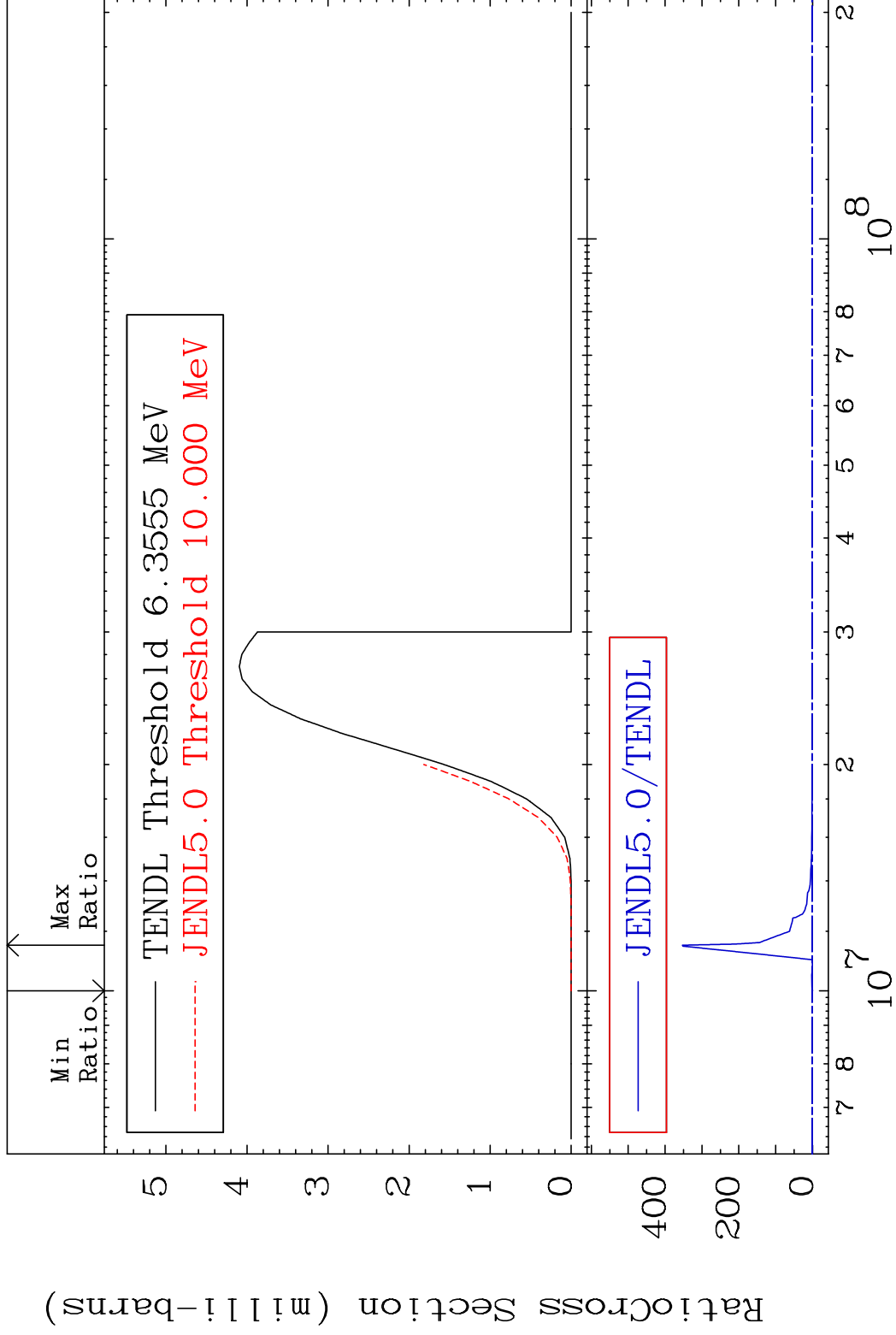


MAT 7243

(n, t)

72-Hf-180

Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

72-Hf-180

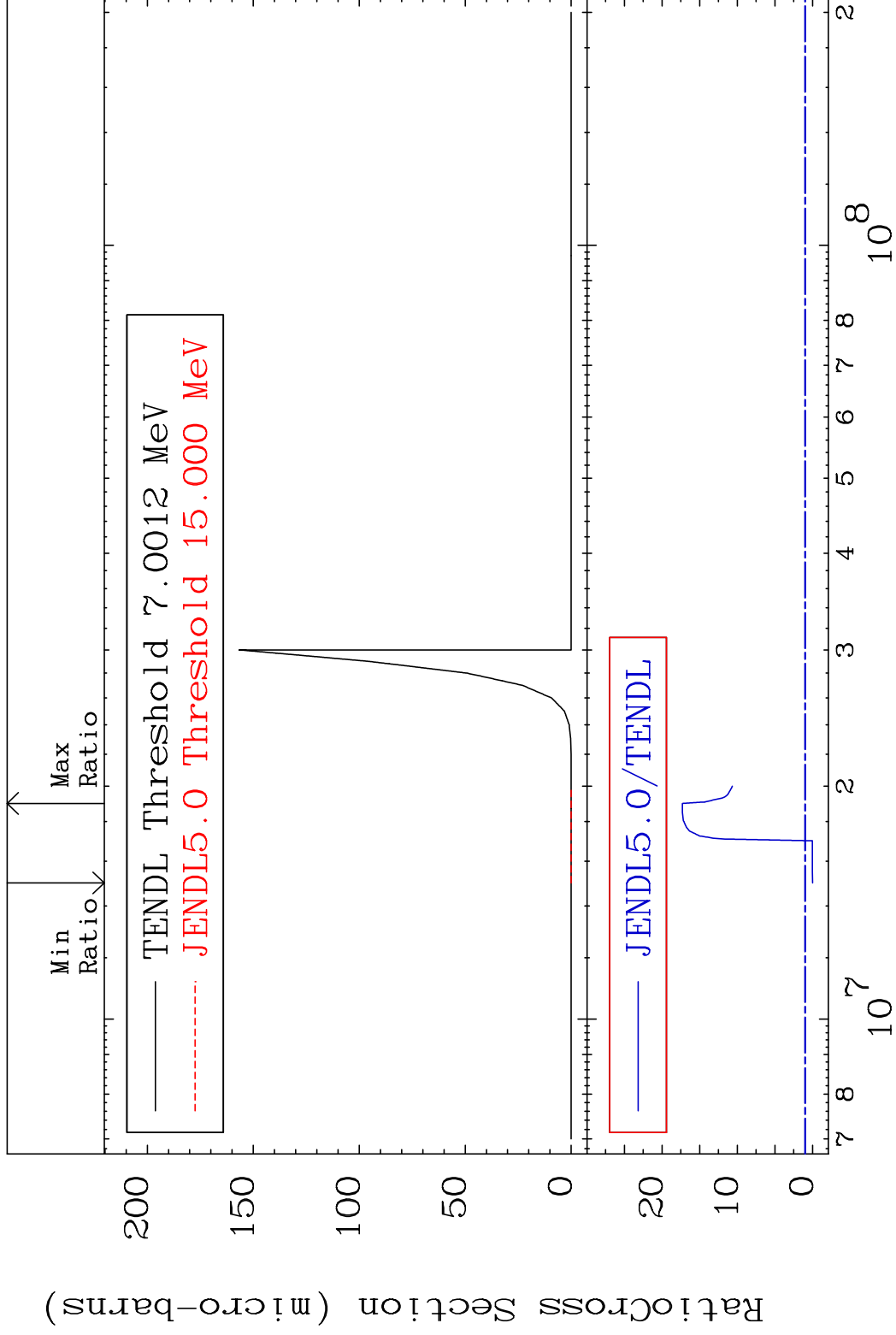


MAT 7243

(n, He-3)

72-Hf-180

Cross Section -100.0 To 1630. %



32

Incident Energy (eV)

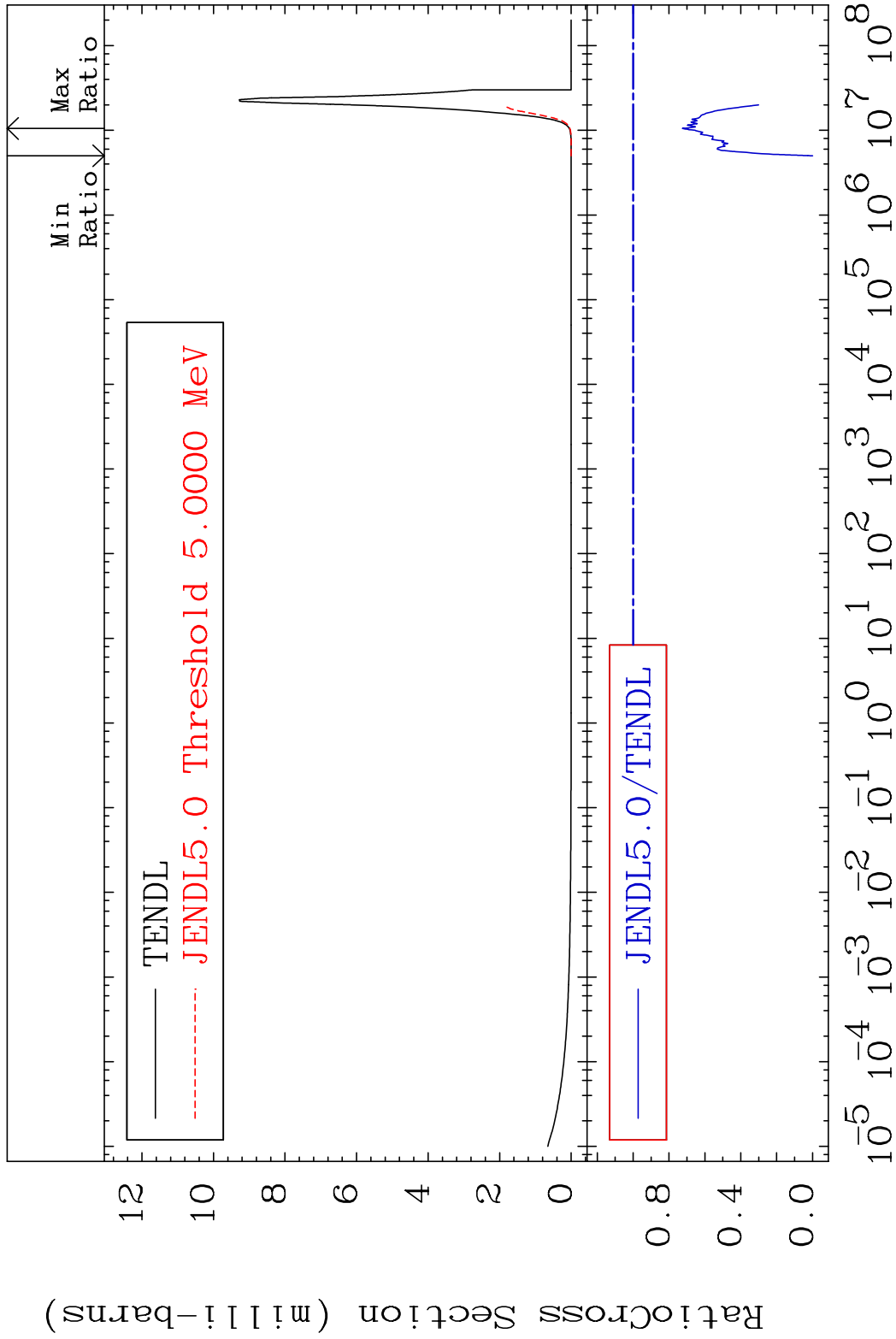
72-Hf-180

MAT 7243

(n,  $\alpha$ )

72-Hf-180

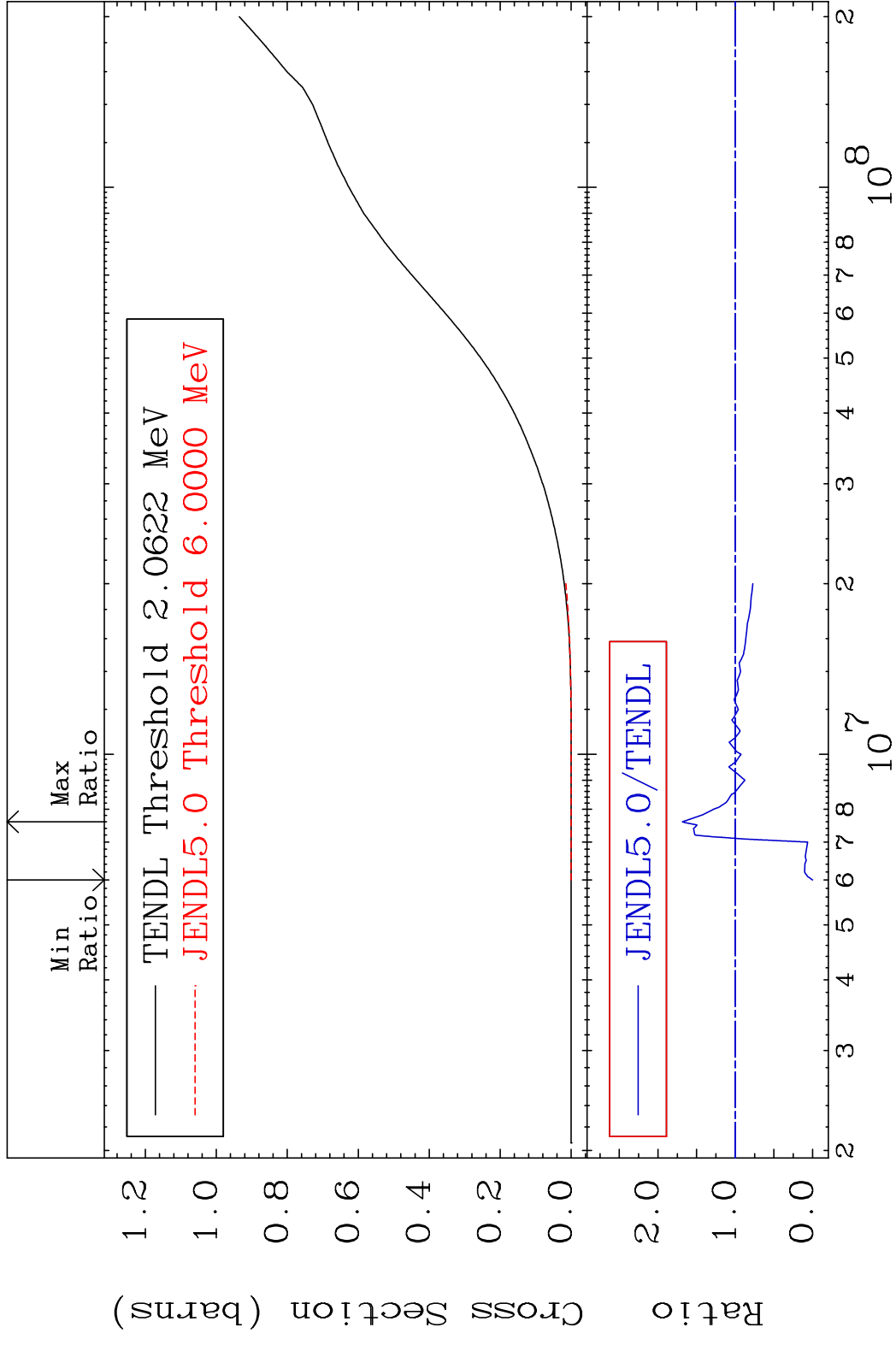
Cross Section -100.0 To -27.43%



33

Incident Energy (eV)

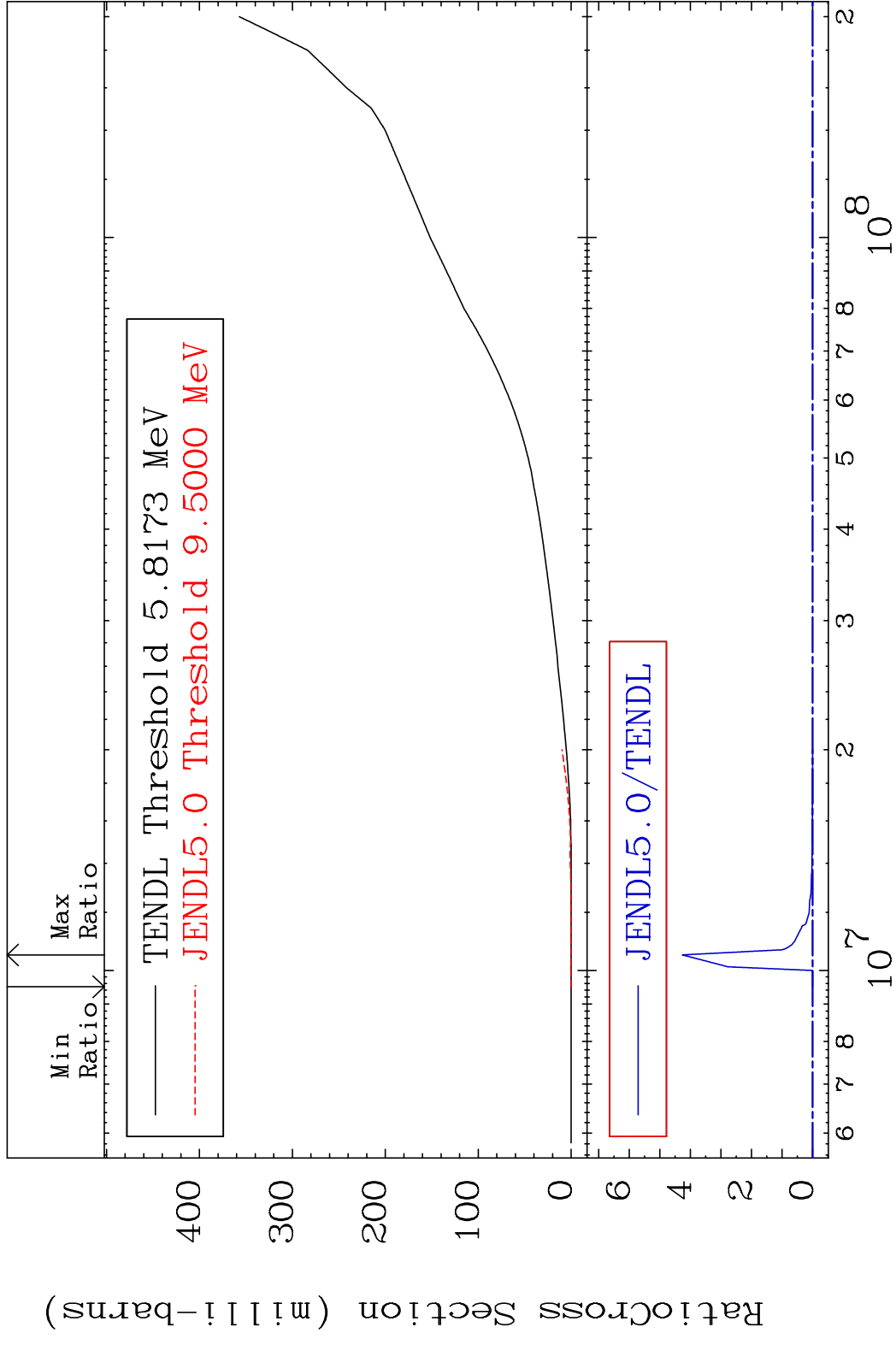
72-Hf-180



MAT 7243

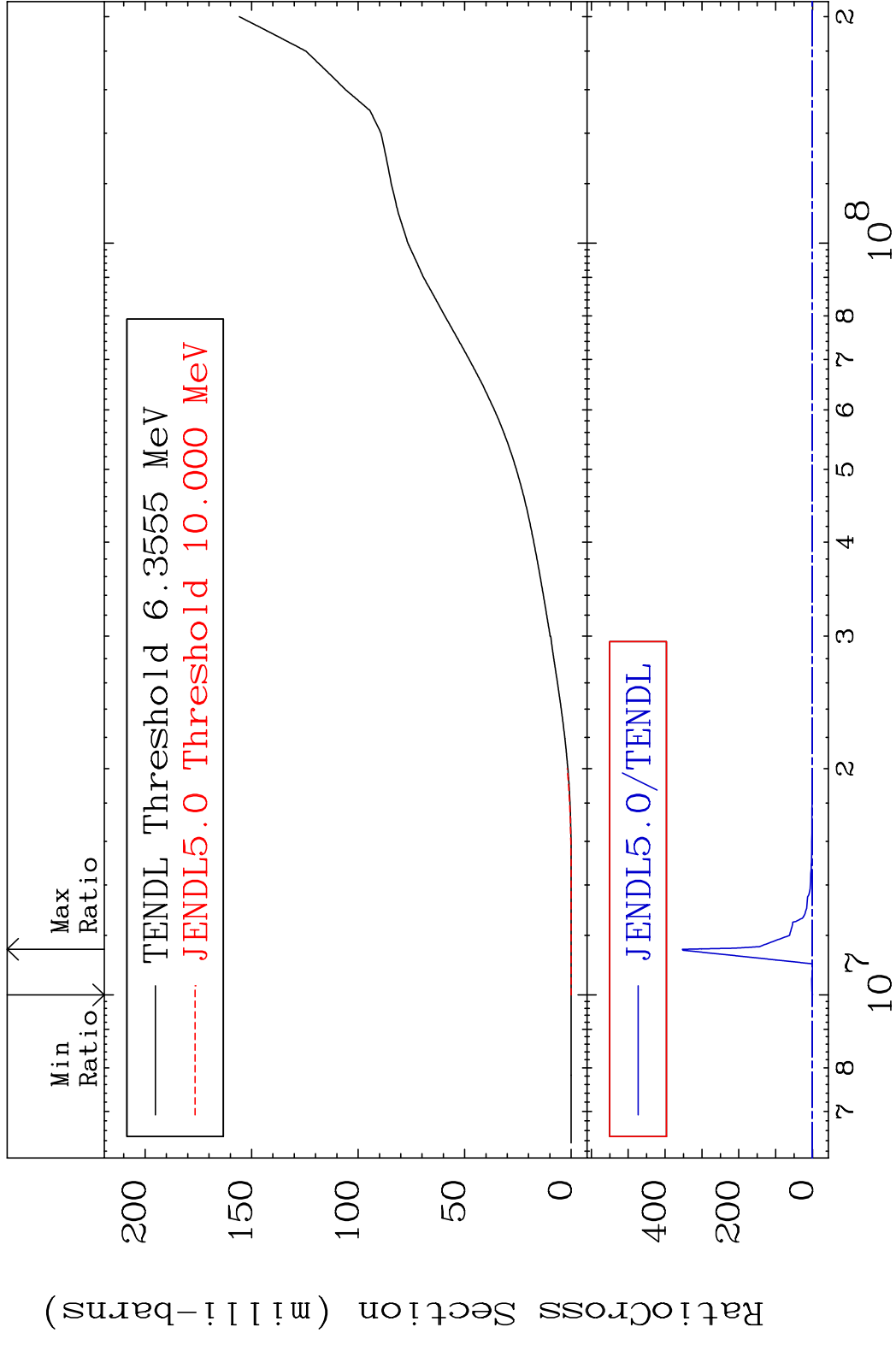
Deuterium Production 72-Hf-180

Cross Section -100.0 To 9999. %



MAT 7243

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

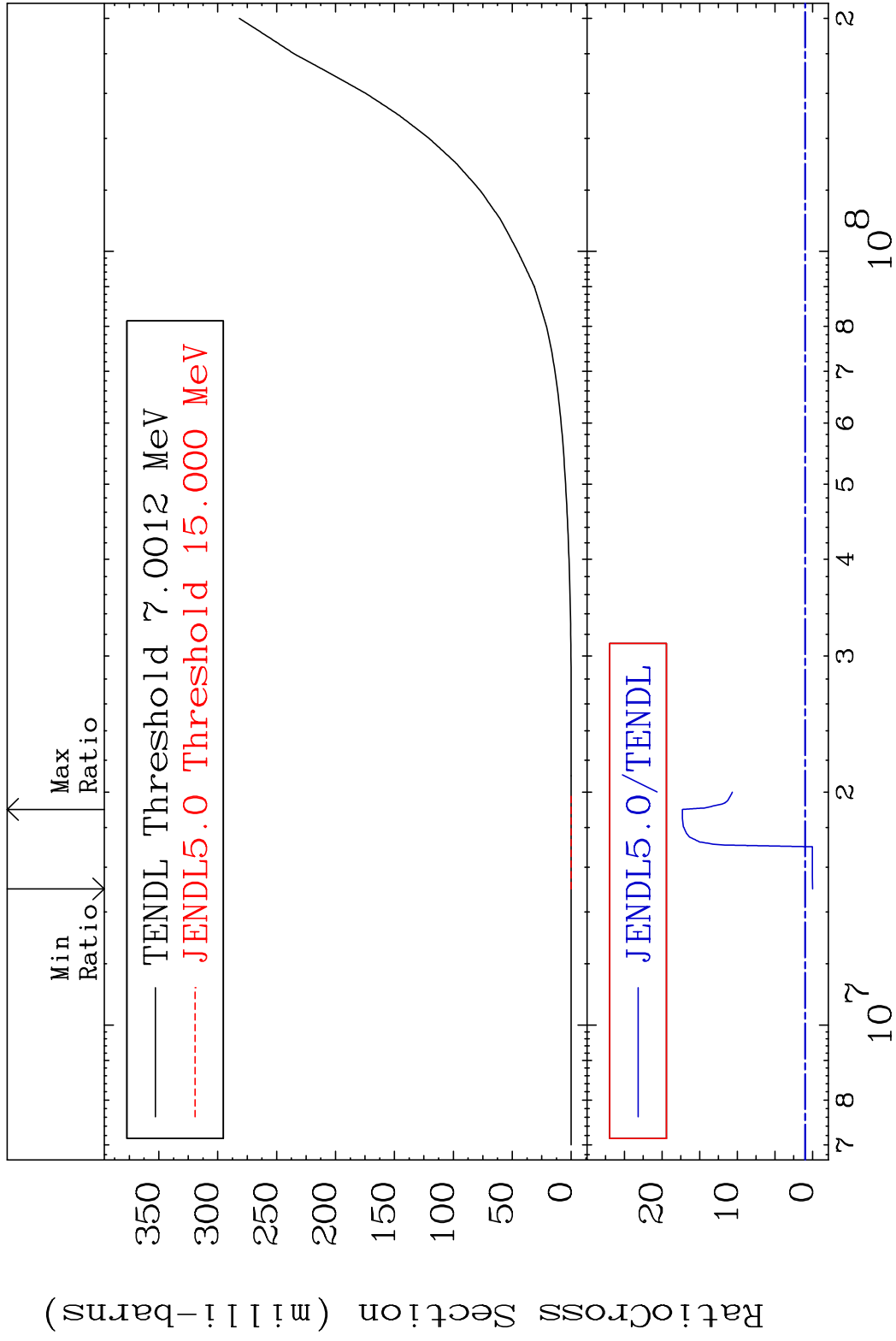


MAT 7243

He-3 Production

72-Hf-180

Cross Section -100.0 To 1630. %



37

Incident Energy (eV)

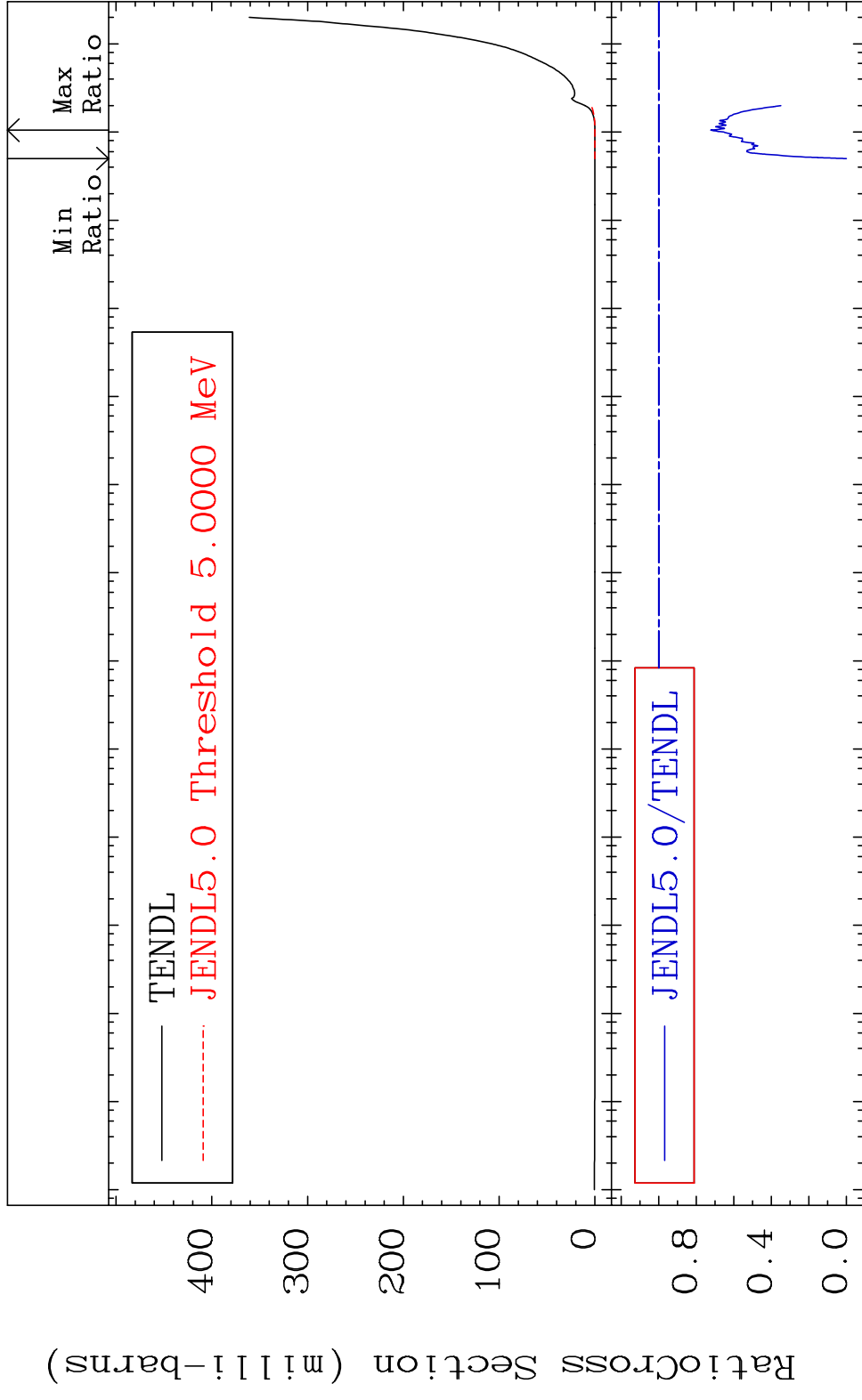
72-Hf-180

MAT 7243

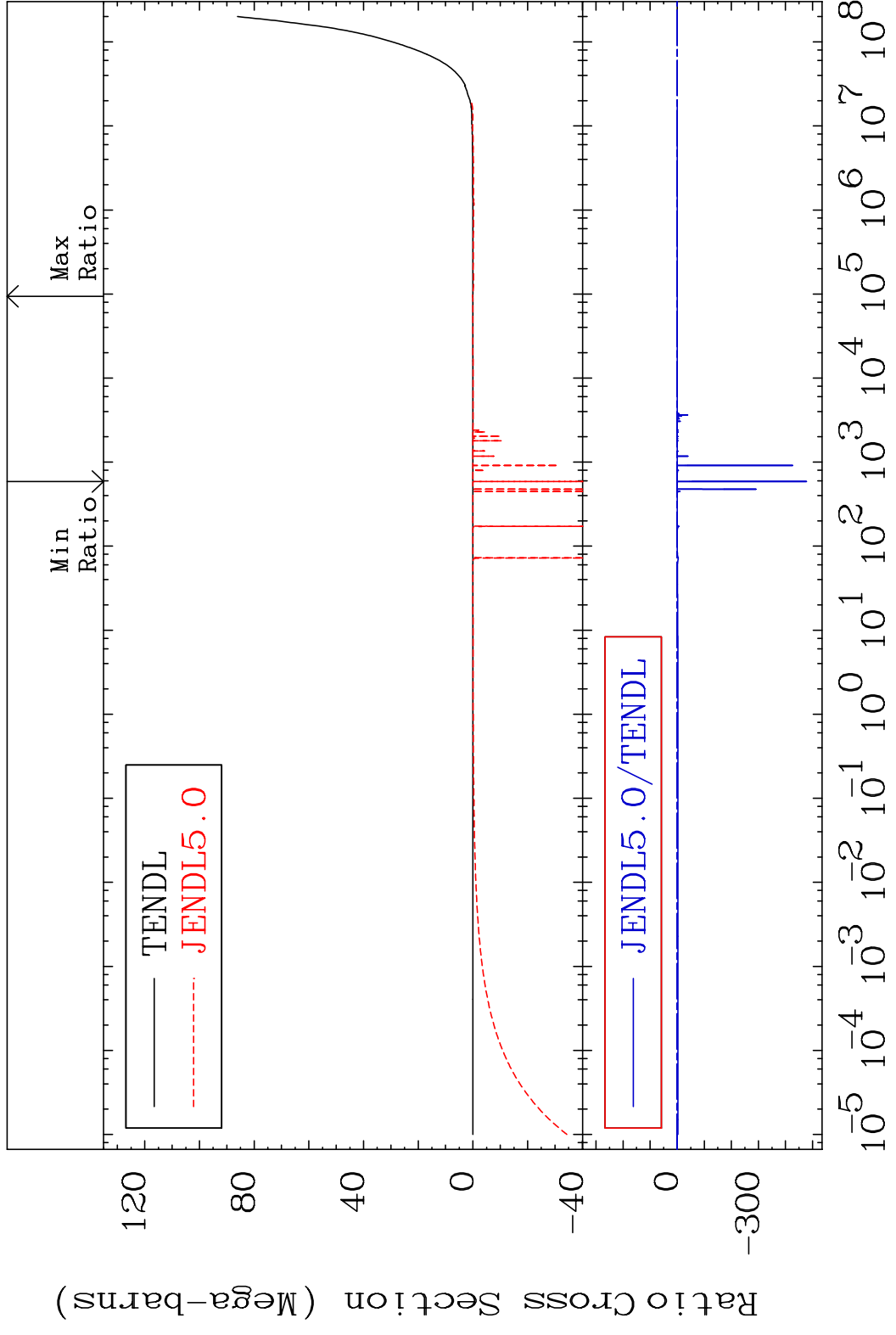
He-4 Production

72-Hf-180

Cross Section -100.0 To -27.69%



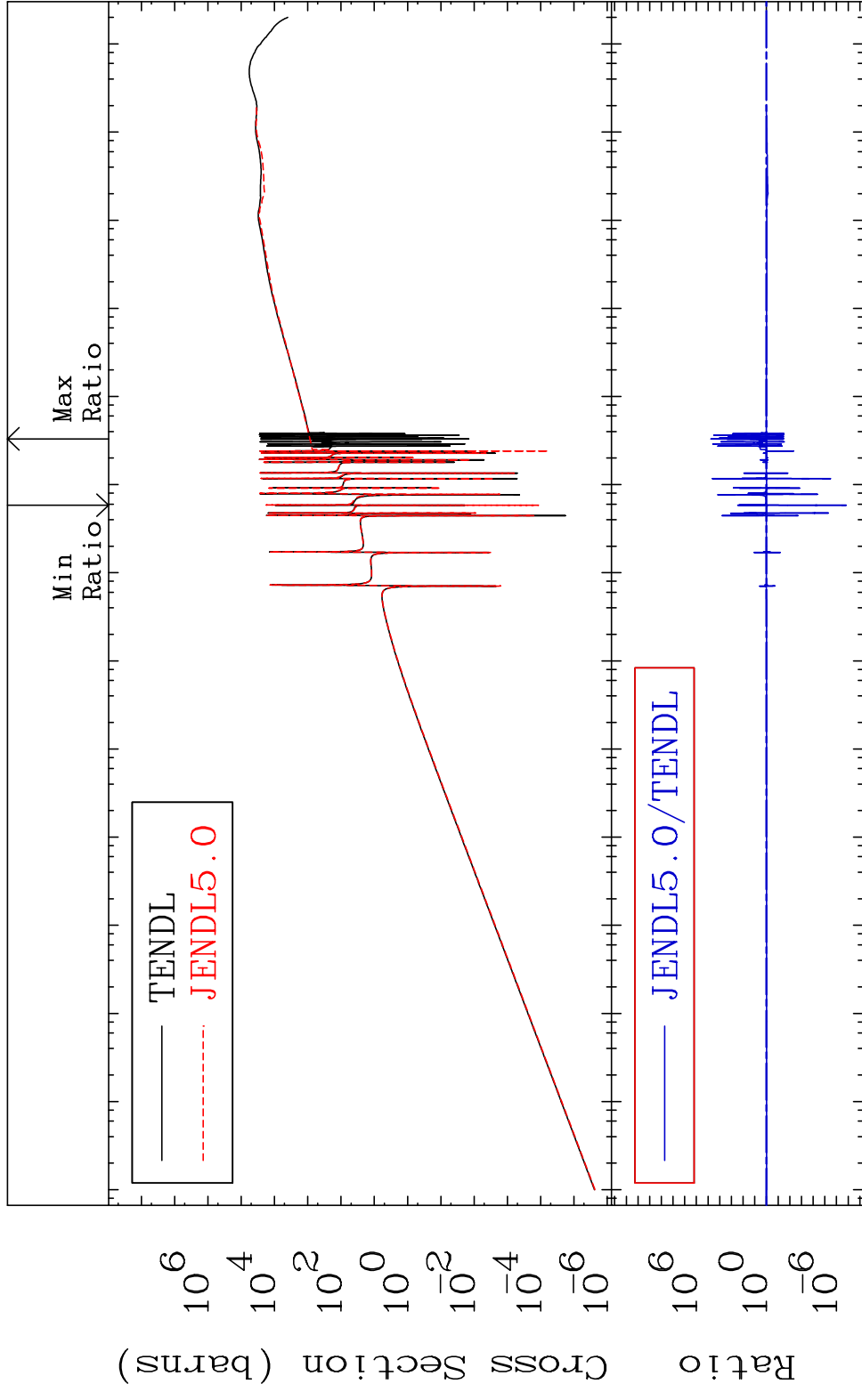
MAT 7243 Kerma total (eV-barns) 72-Hf-180  
 Cross Section -9999. To 1937. %





MAT 7243

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

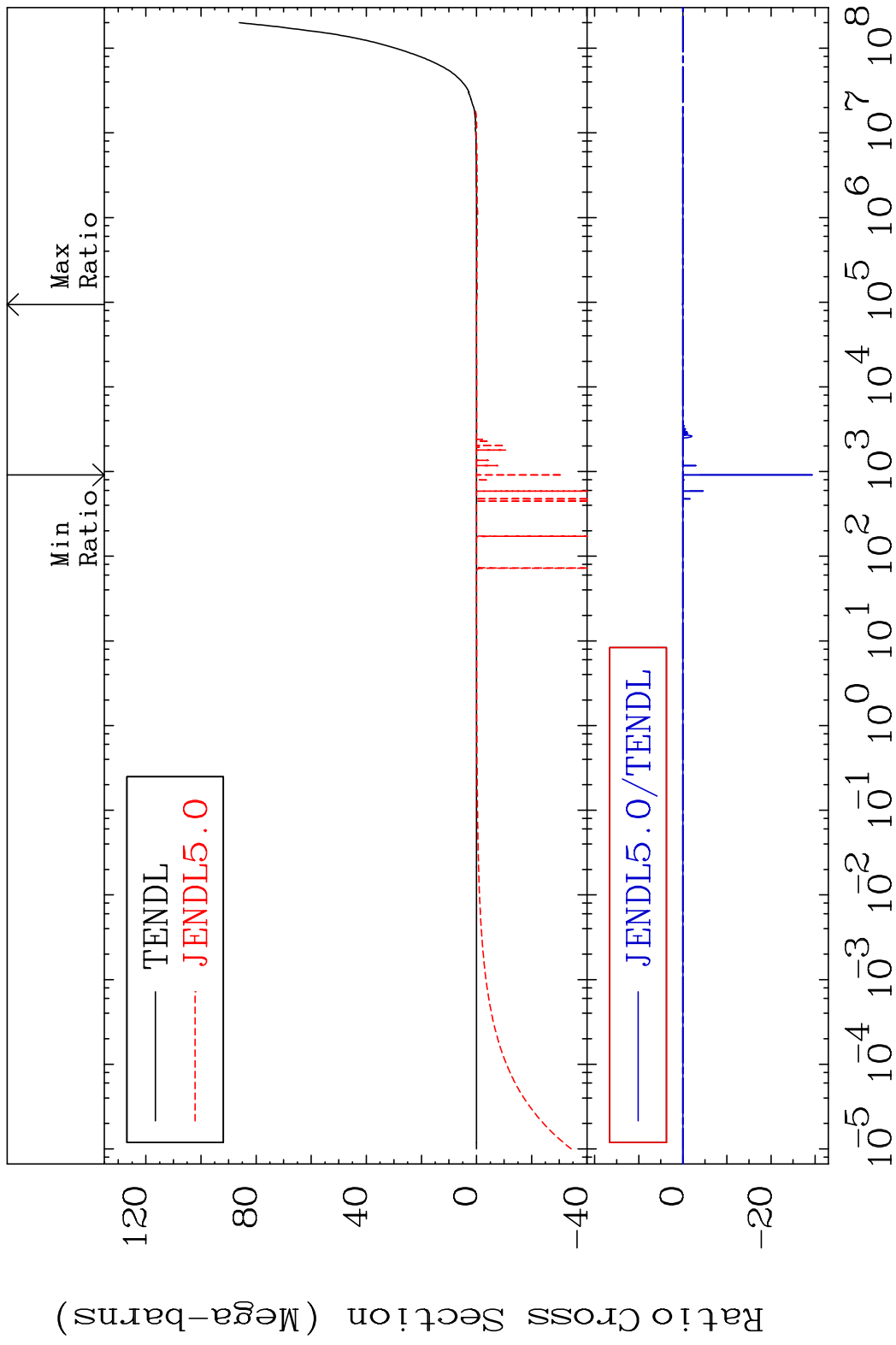


40

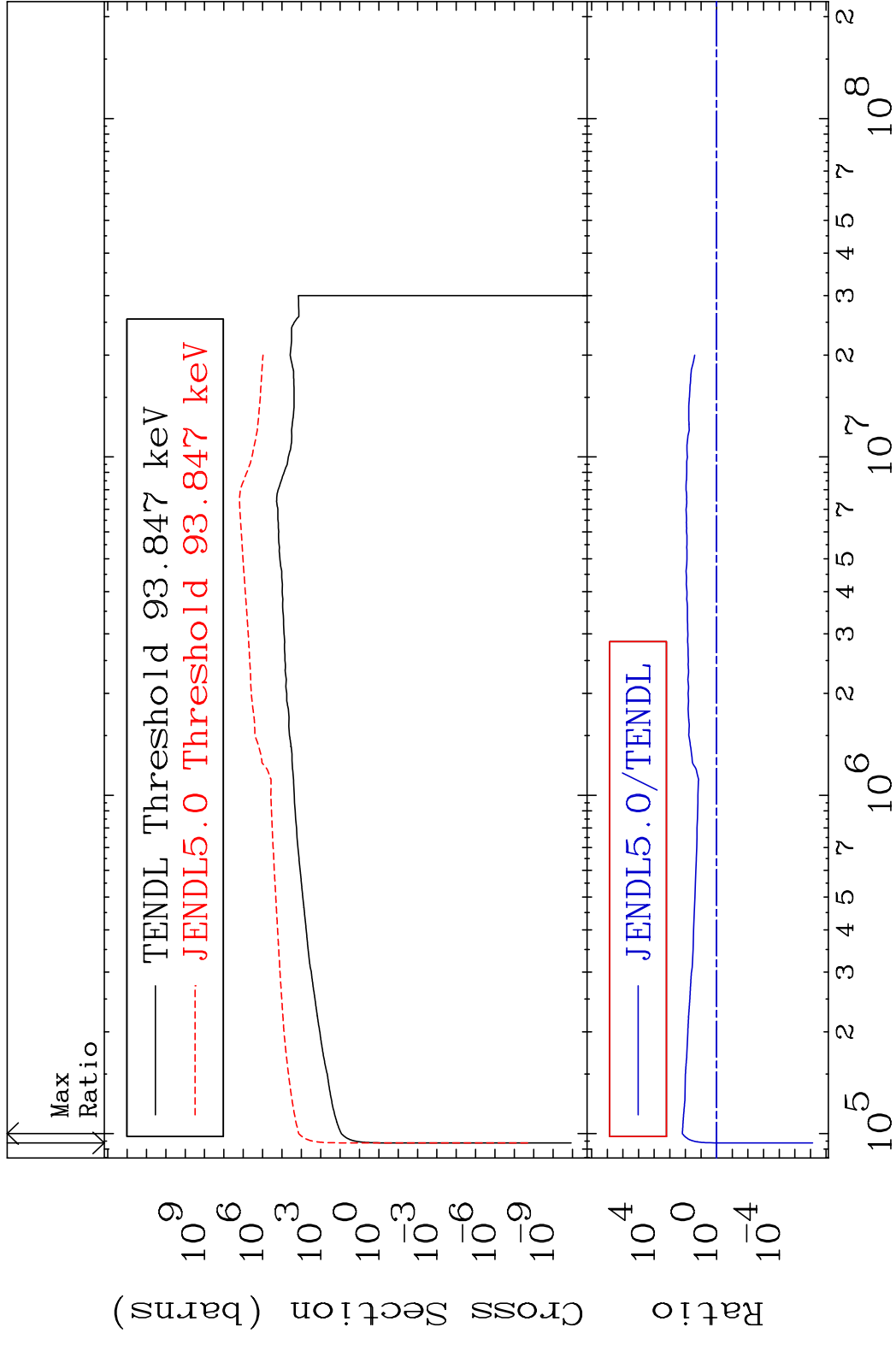
Incident Energy (eV)

72-Hf-180

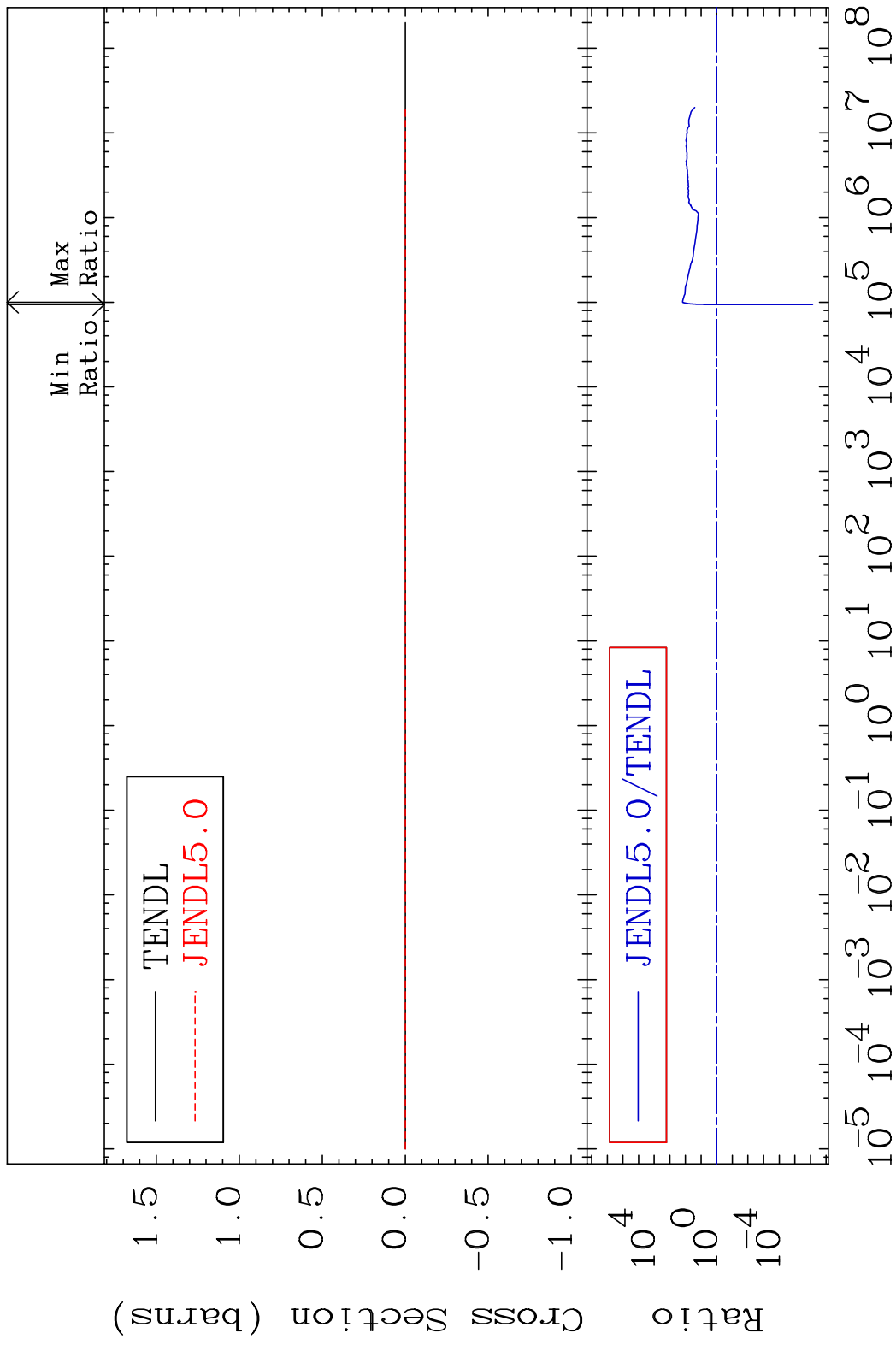
MAT 7243 Kerma non-elastic (all but mt2) 72-Hf-180  
Cross Section -9999. To 9999. %

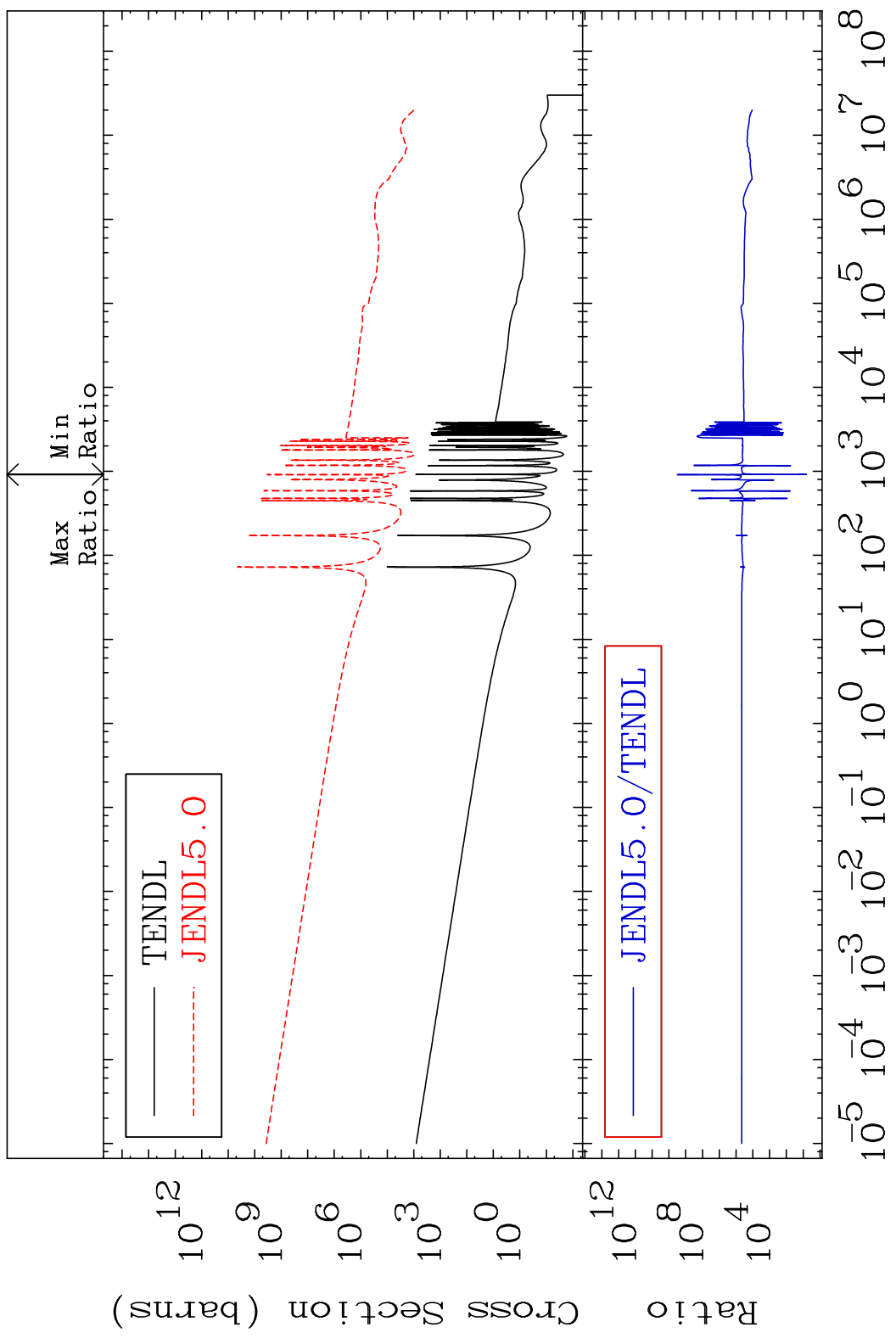


MAT 7243 Kerma inelastic (mt51-91) 72-Hf-180  
 Cross Section -100.0 To 9999. %

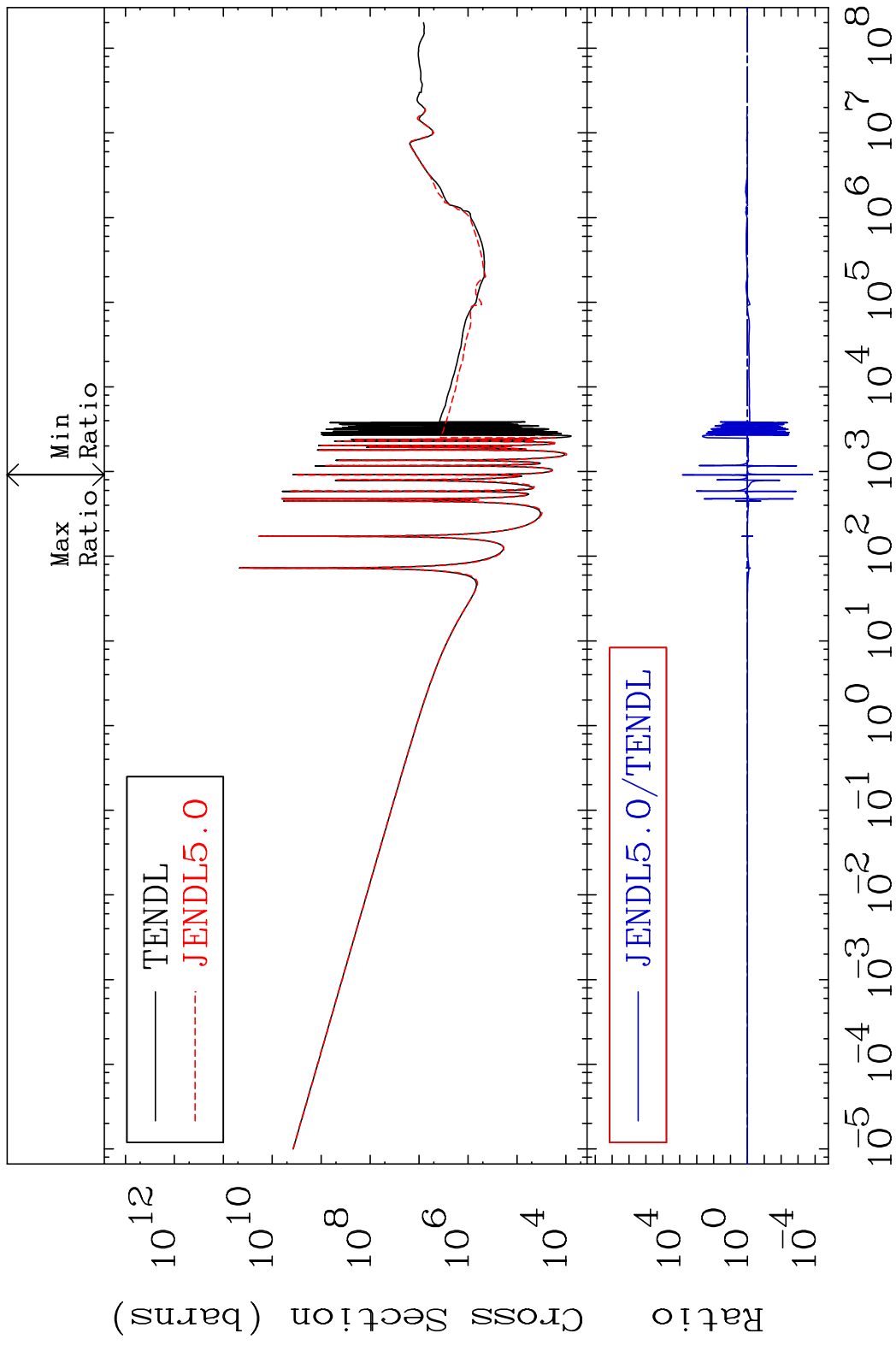


MAT 7243 Kerma fission (mt18 or mt19-20-21-38) 72-Hf-180  
 Cross Section -100.0 To 9999. %



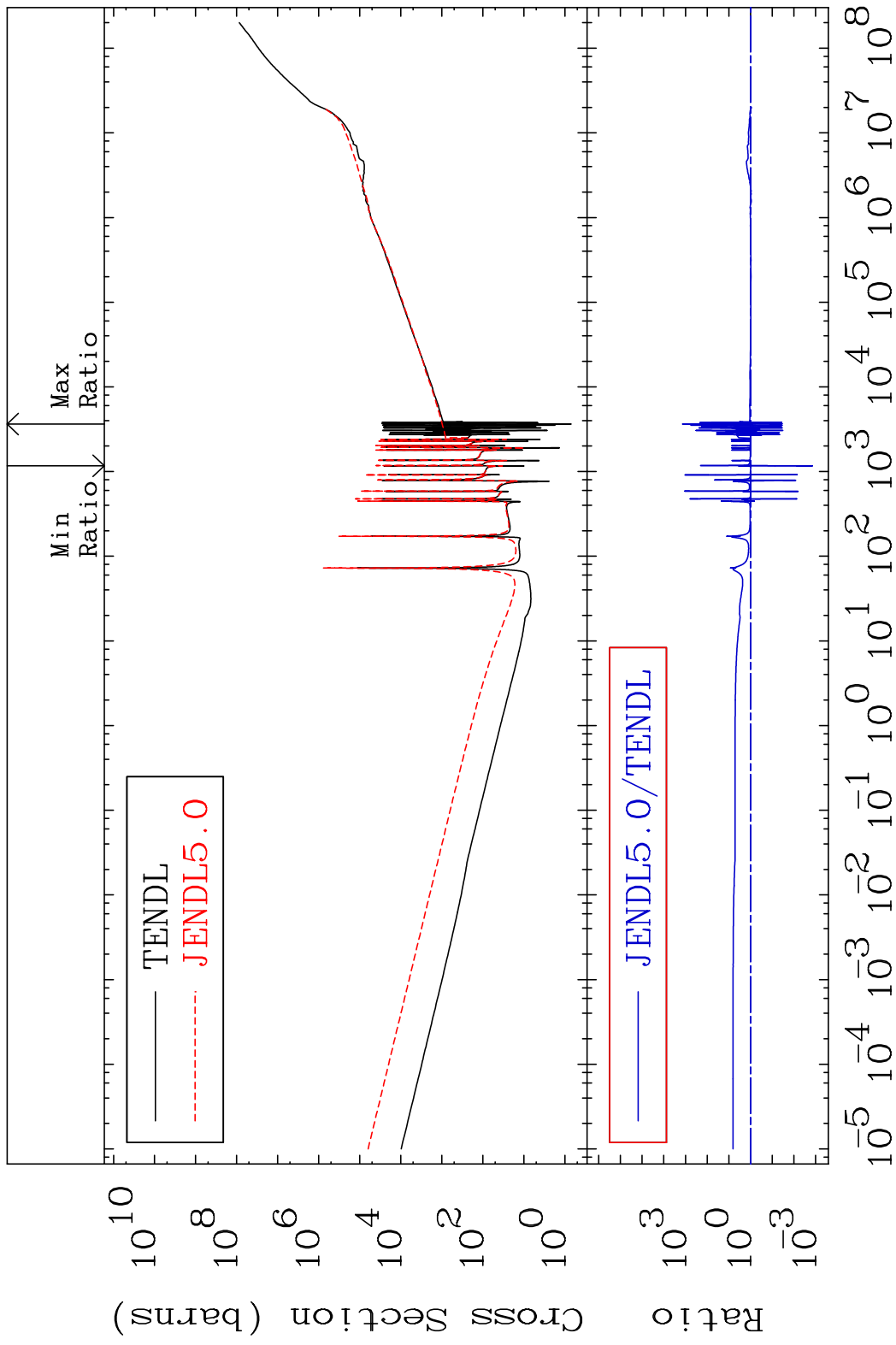


MAT 7243 Total photon (eV-barns) 72-Hf-180  
 Cross Section -99.99 To 9999. %

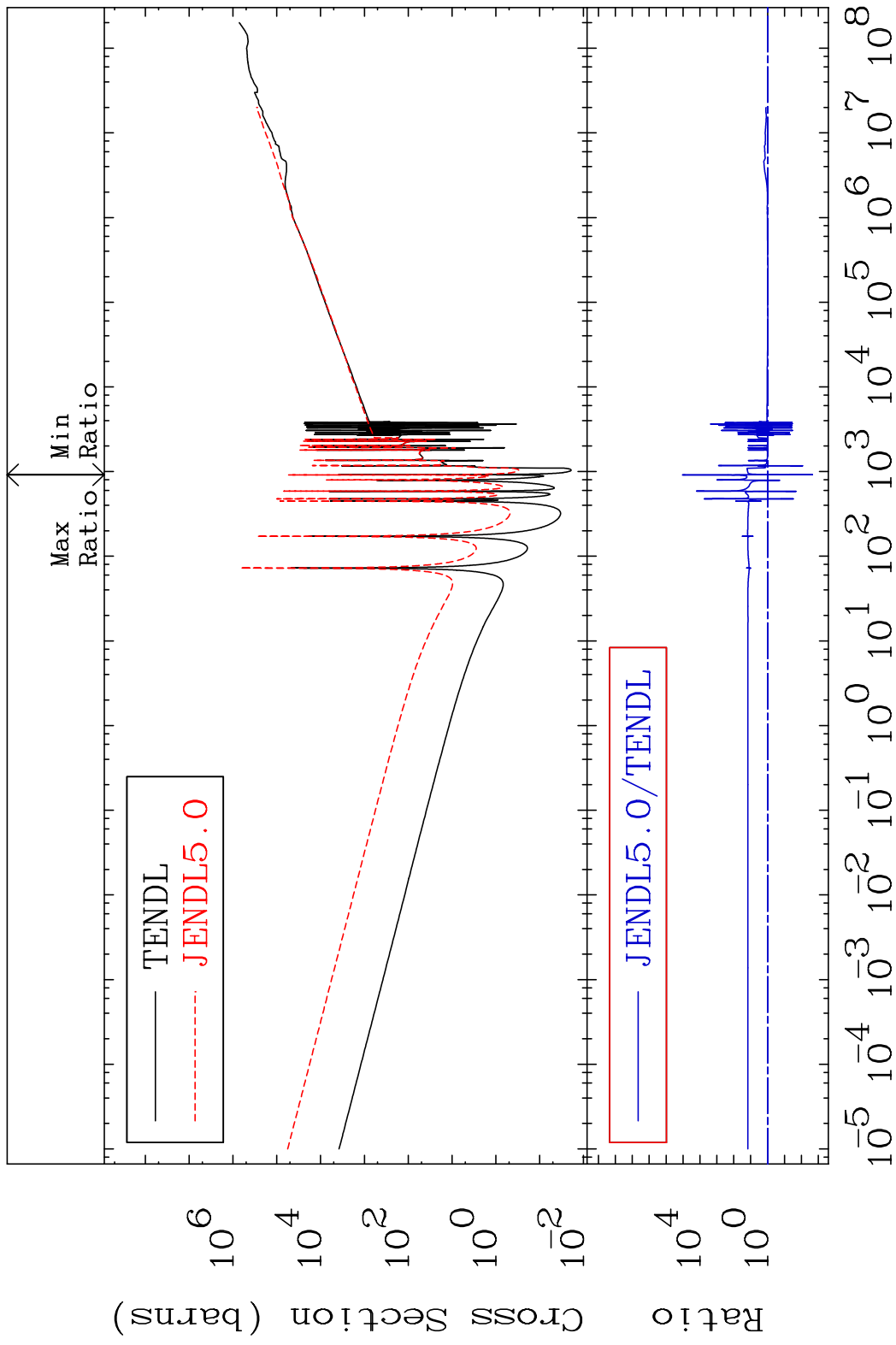


45 Incident Energy (eV) 72-Hf-180

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      -99.78 To 9999. %



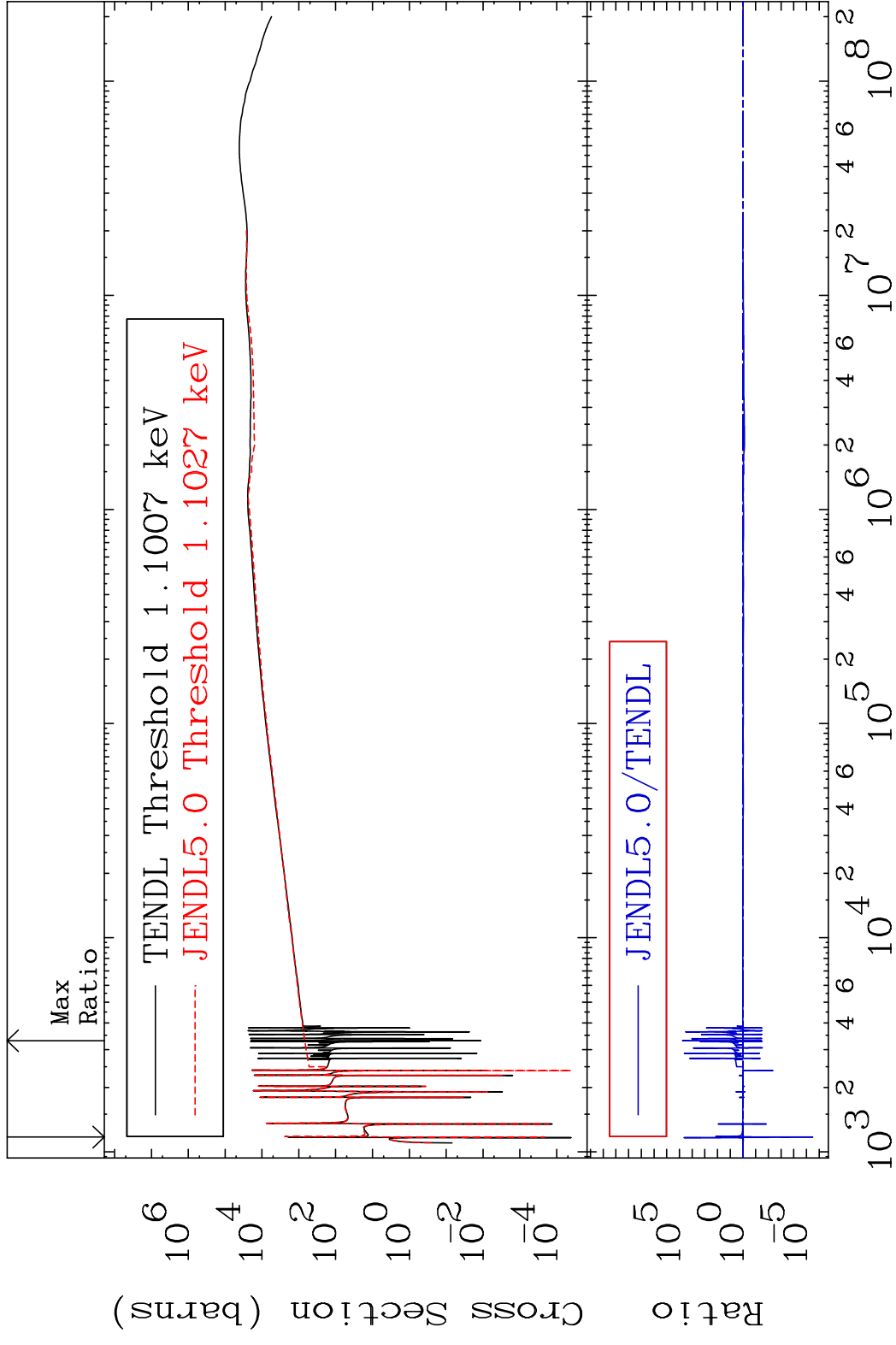


MAT 7243

Dpa elastic (mt2)

72-Hf-180

Cross Section -100.0 To 9999. %

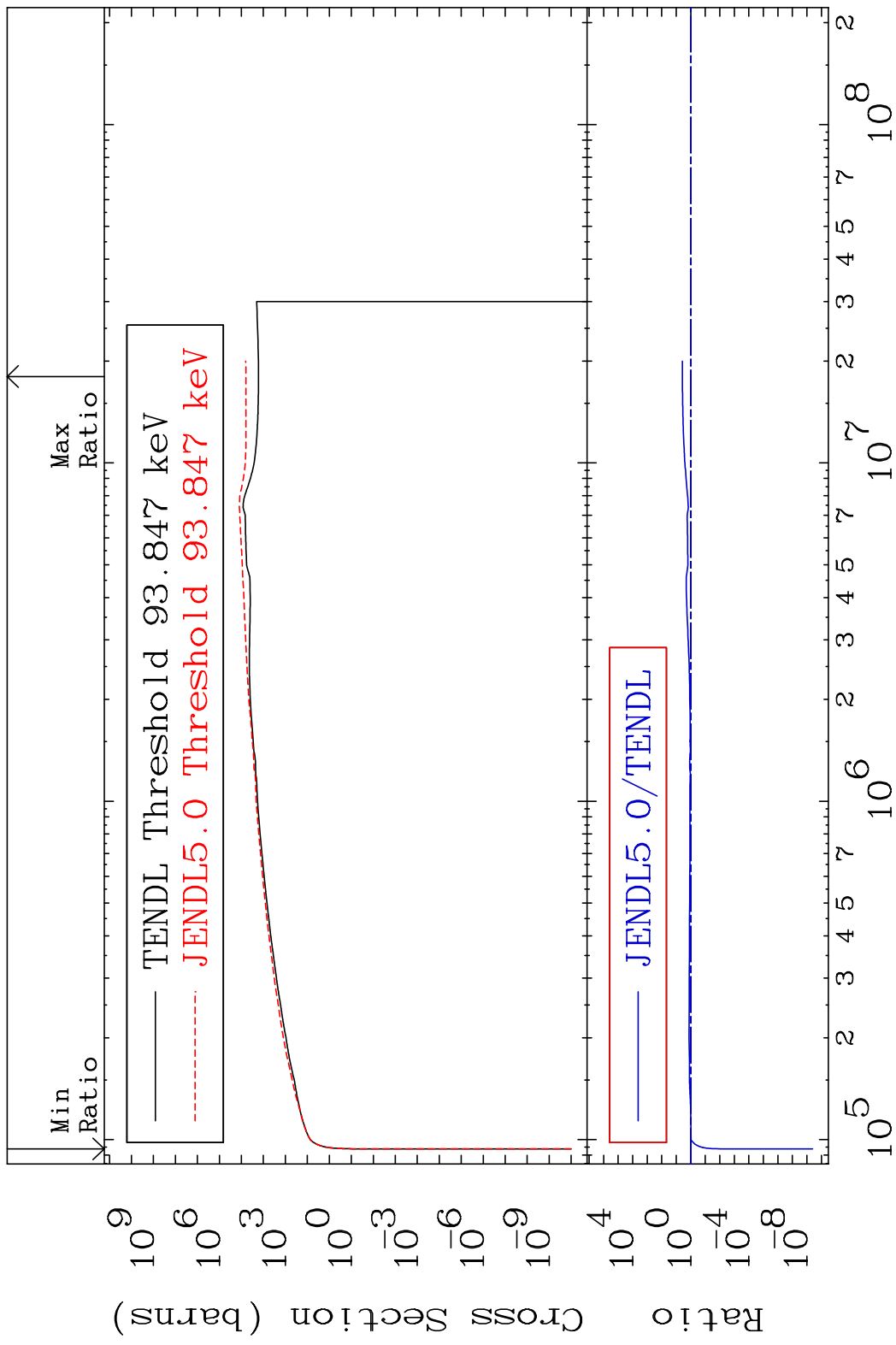


48

Incident Energy (eV)

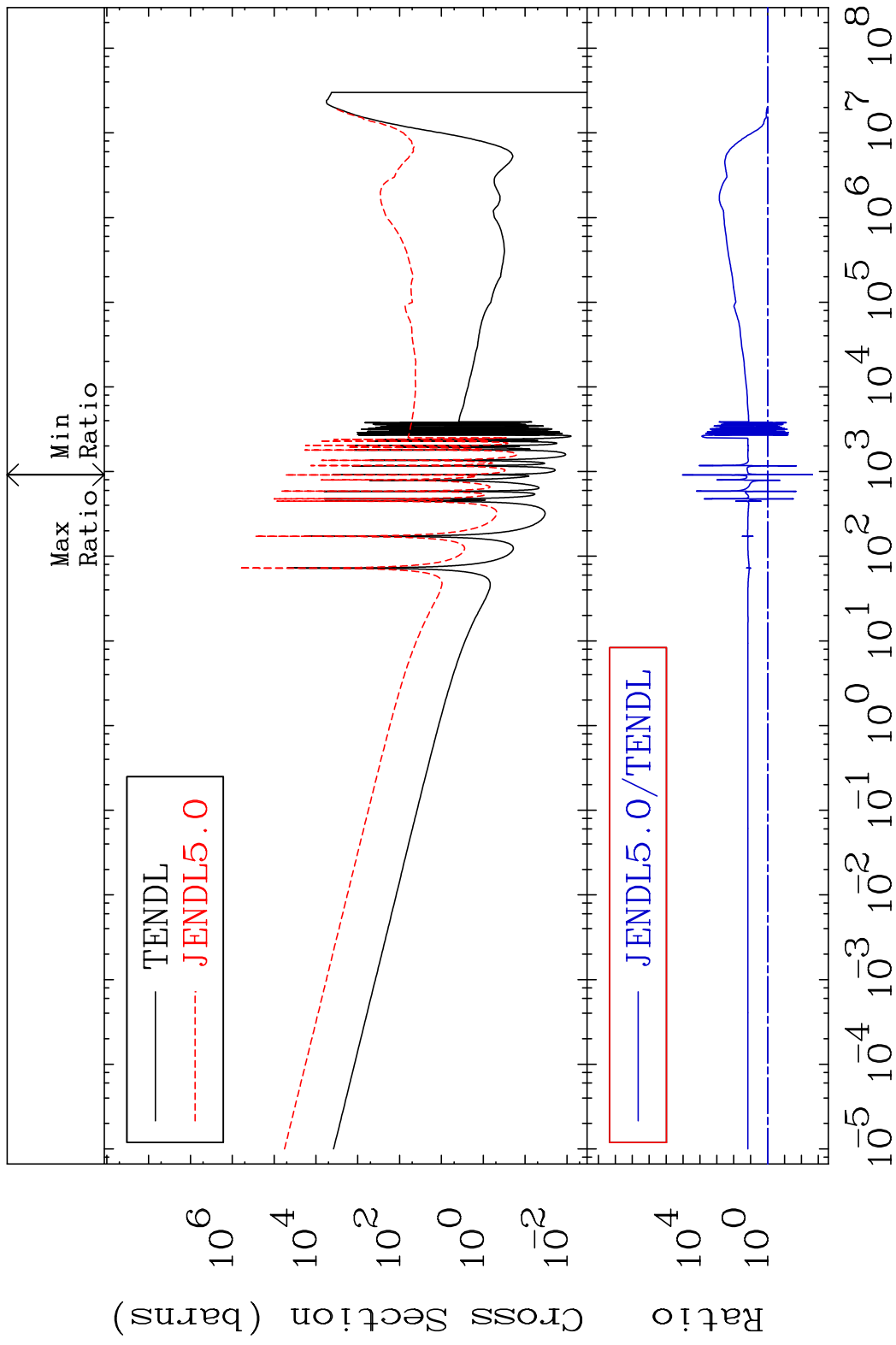
72-Hf-180

MAT 7243 Dpa inelastic (mt51-91) 72-Hf-180  
 Cross Section -100.0 To 277.9 %

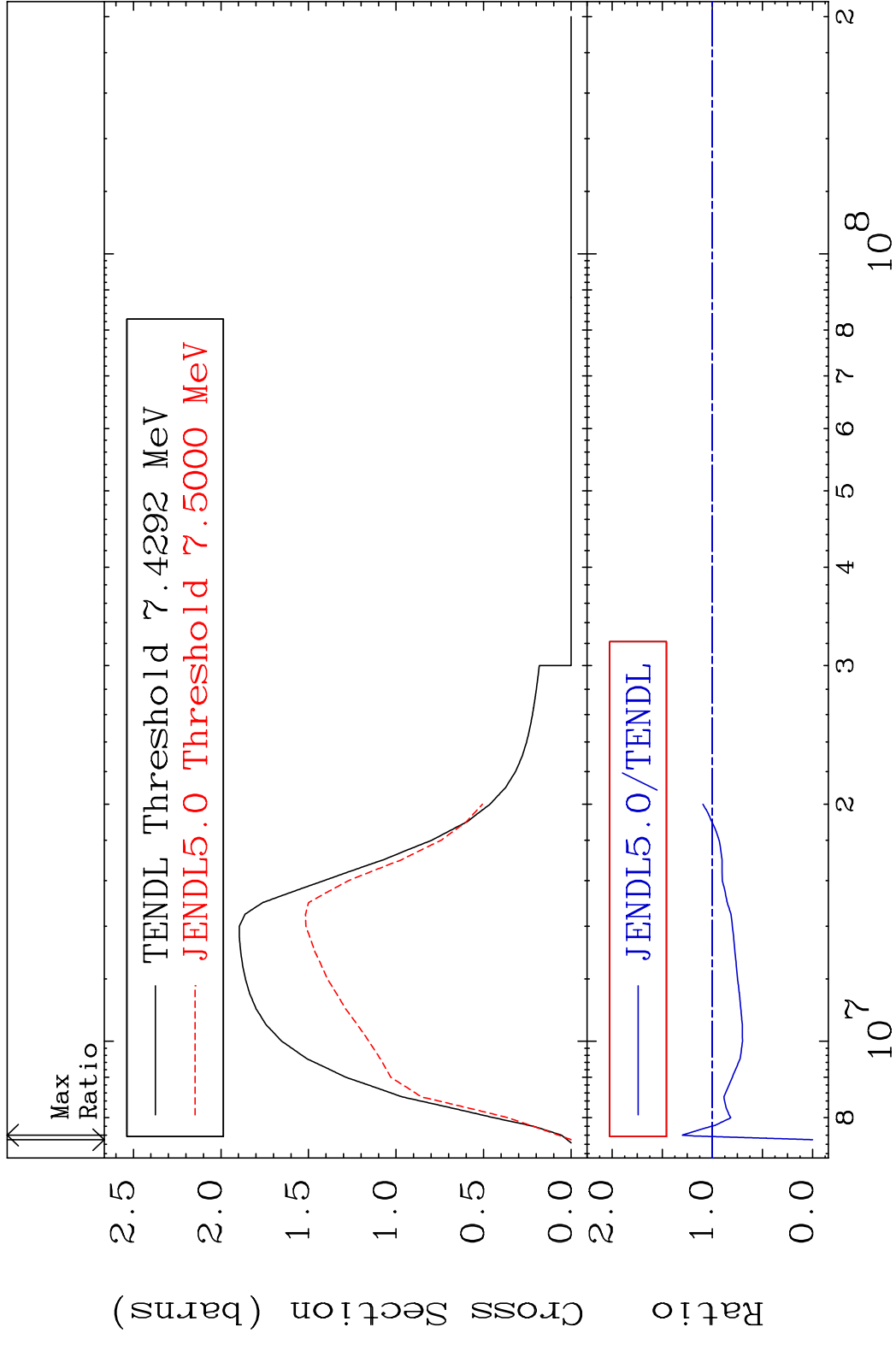


49 Incident Energy (eV) 72-Hf-180

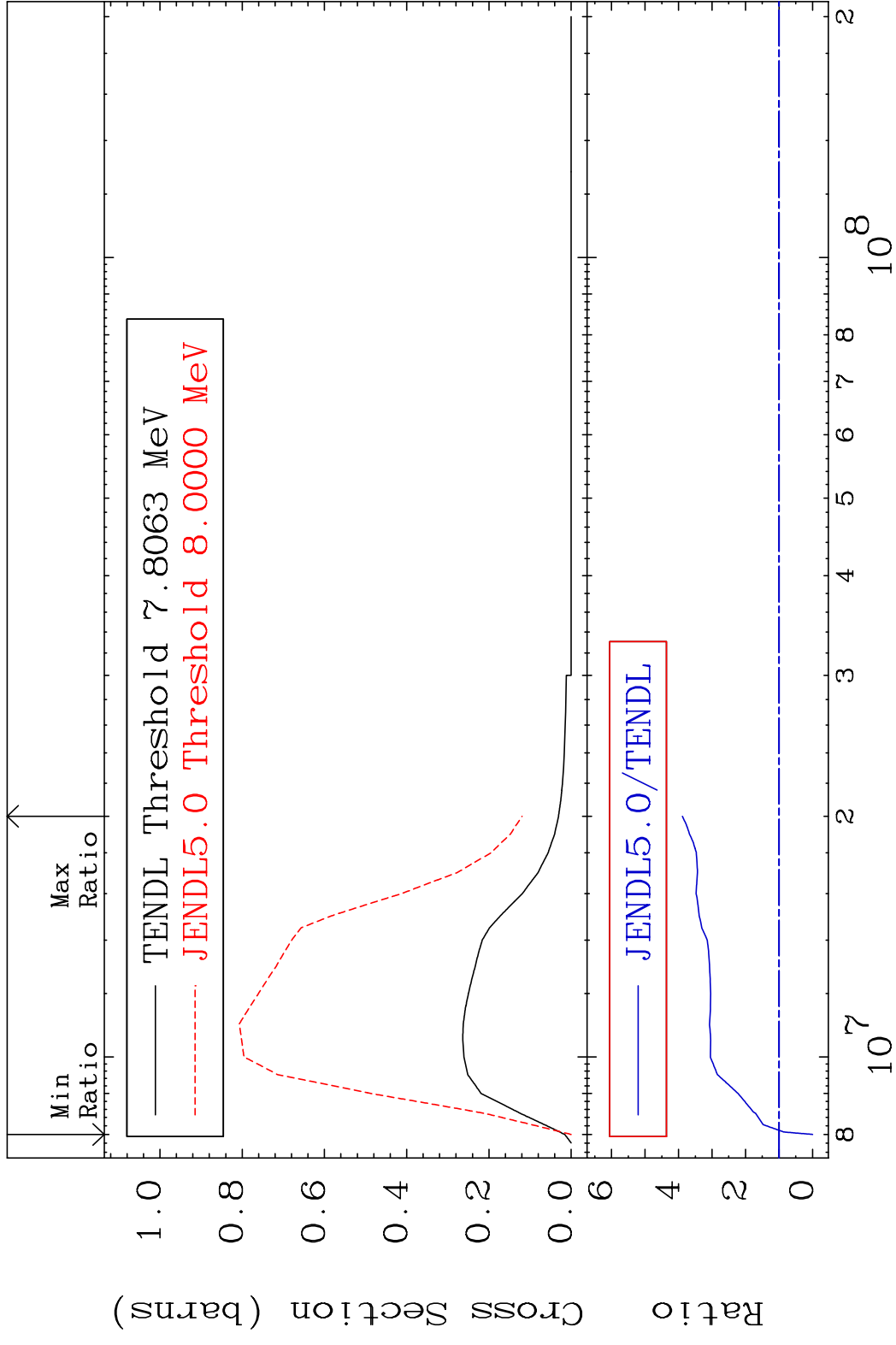
MAT 7243 Dpa disappearance (mt102 -120) 72-Hf-180  
 Cross Section -99.78 To 9999. %



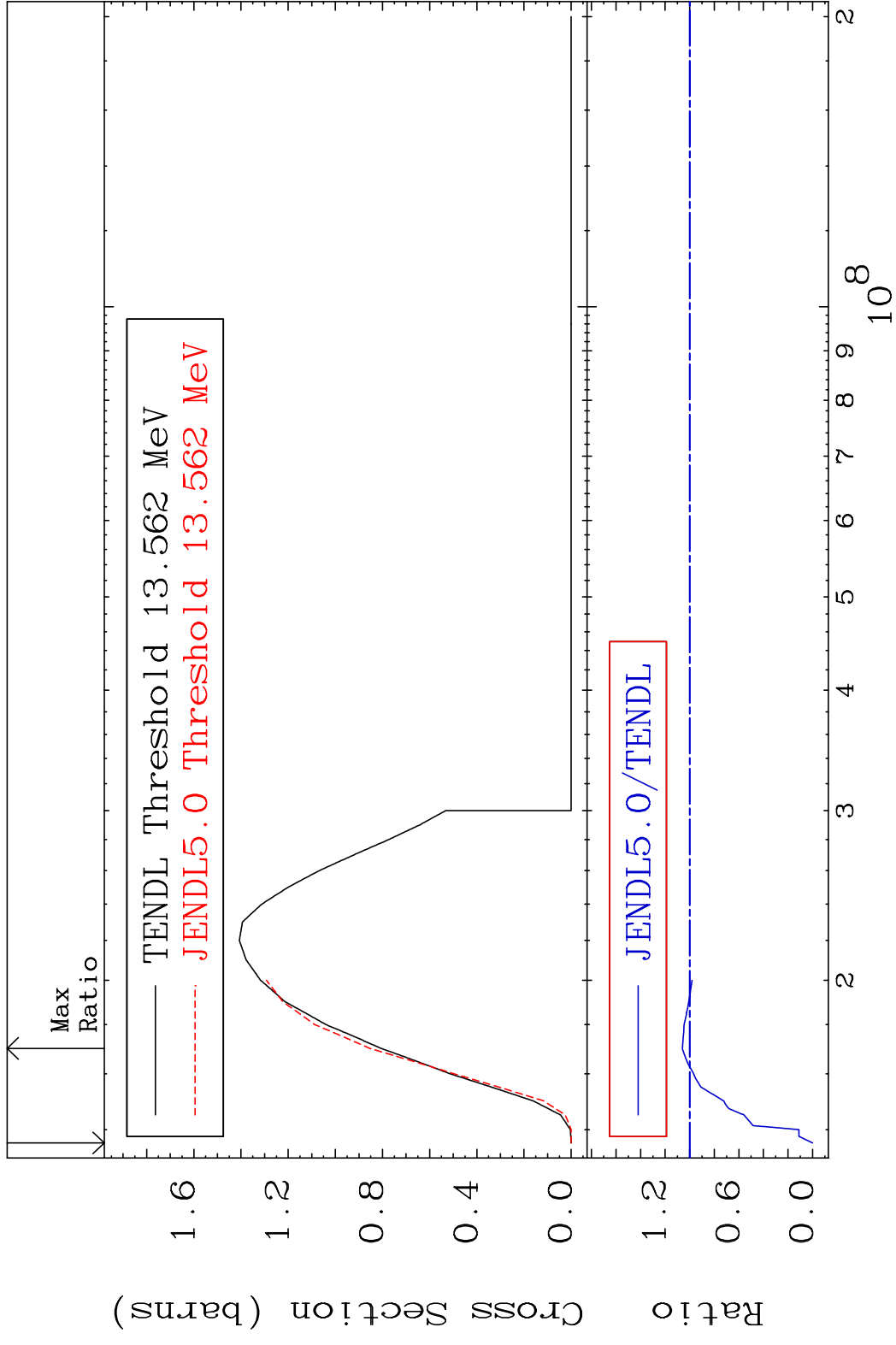
MAT 7243 (n,2n):72-Hf-179g 72-Hf-180  
 Radionuclide Production Cross Section Ratio 29.92 %

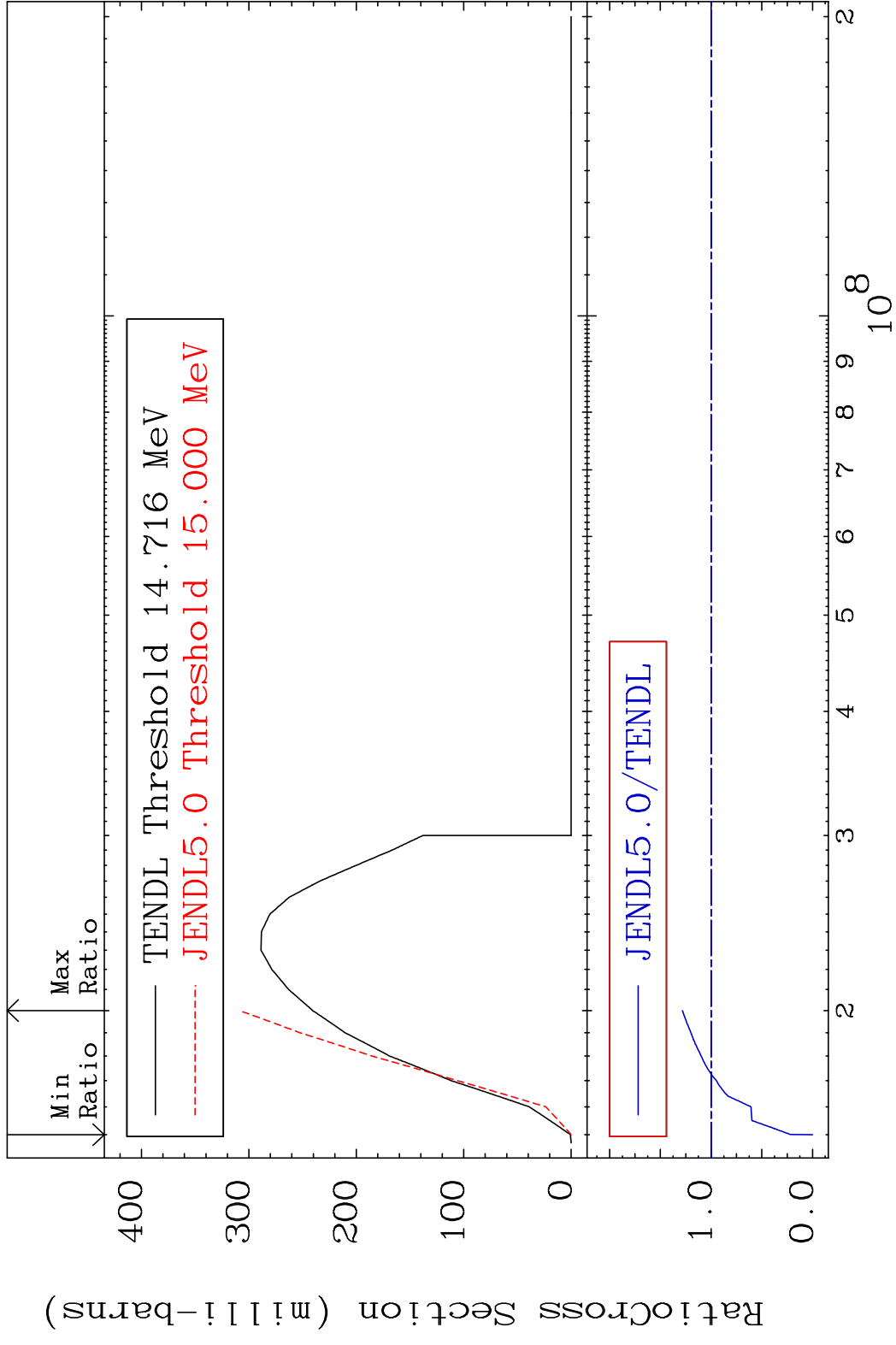


MAT 7243 (n,2n):72-Hf-179m5 72-Hf-180  
 Radionuclide Production Cross Section 180.01 dth 288.6 %

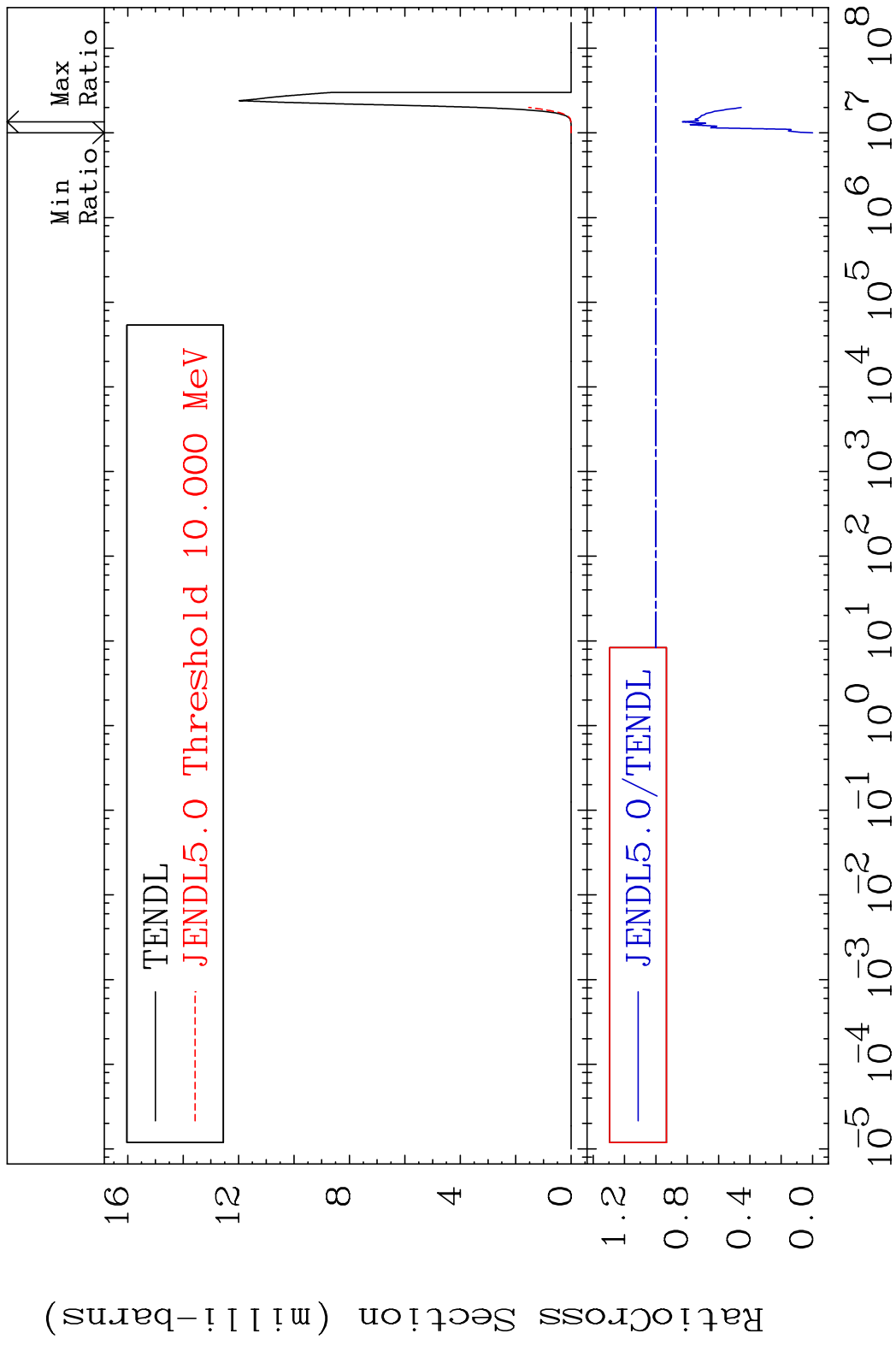


MAT 7243 (n, 3n): 72-Hf-178g 72-Hf-180  
 Radionuclide Production Cross Section Ratio 5.989 %



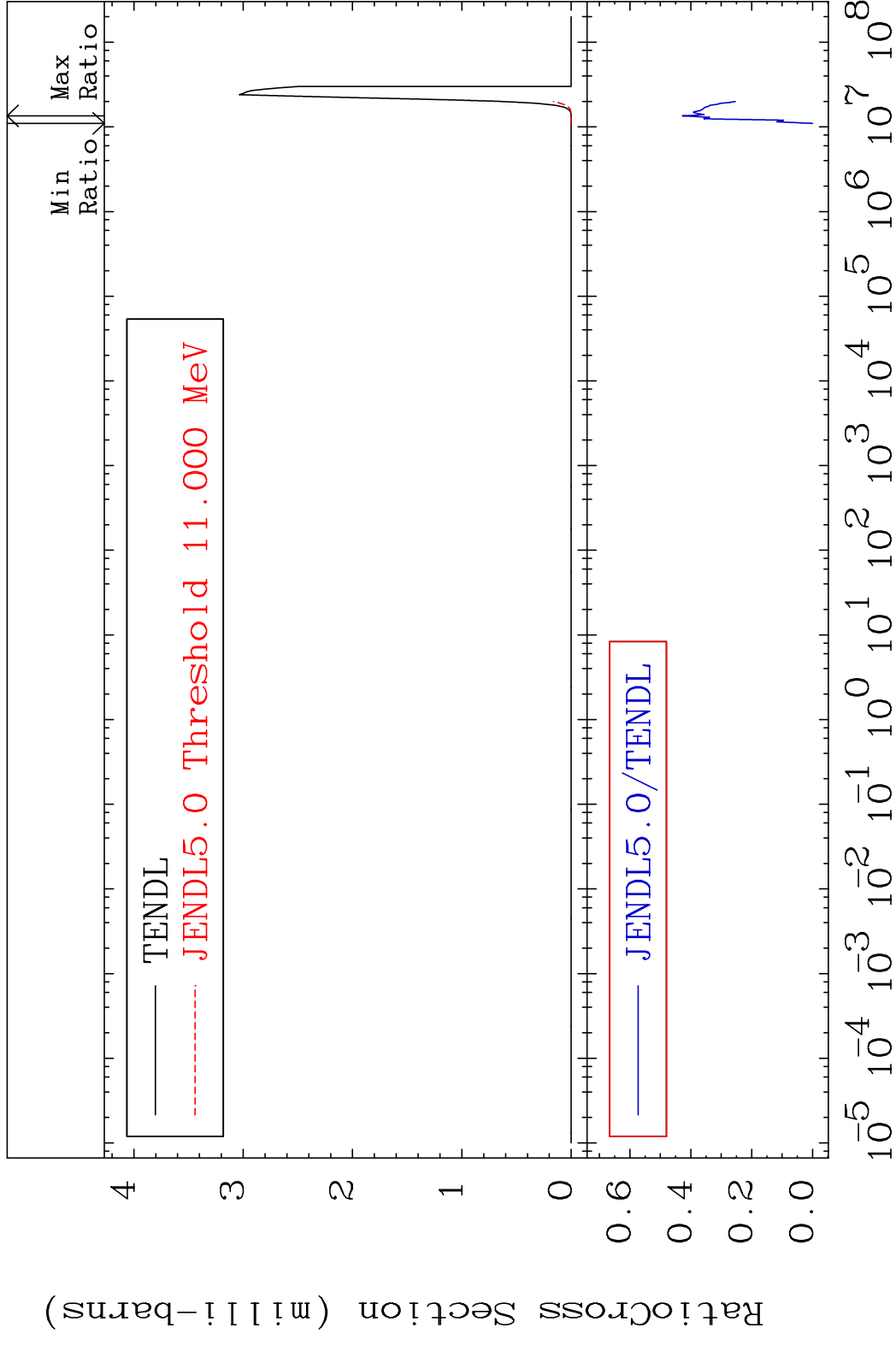


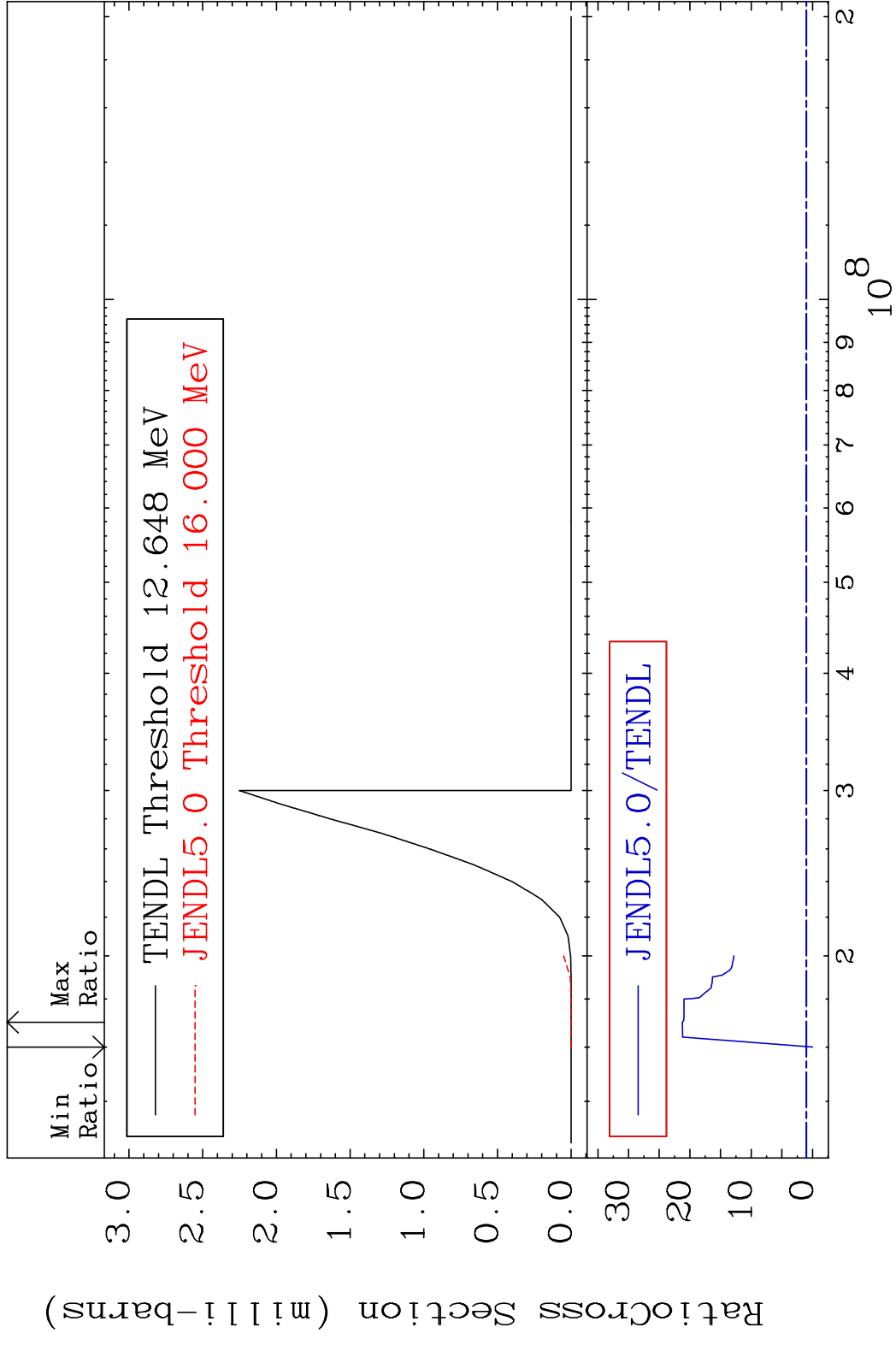
MAT 7243 (n, n')  $\alpha$ :70-Yb-176g 72-Hf-180  
 Radionuclide Production Cross Section Ratio - 16.90%

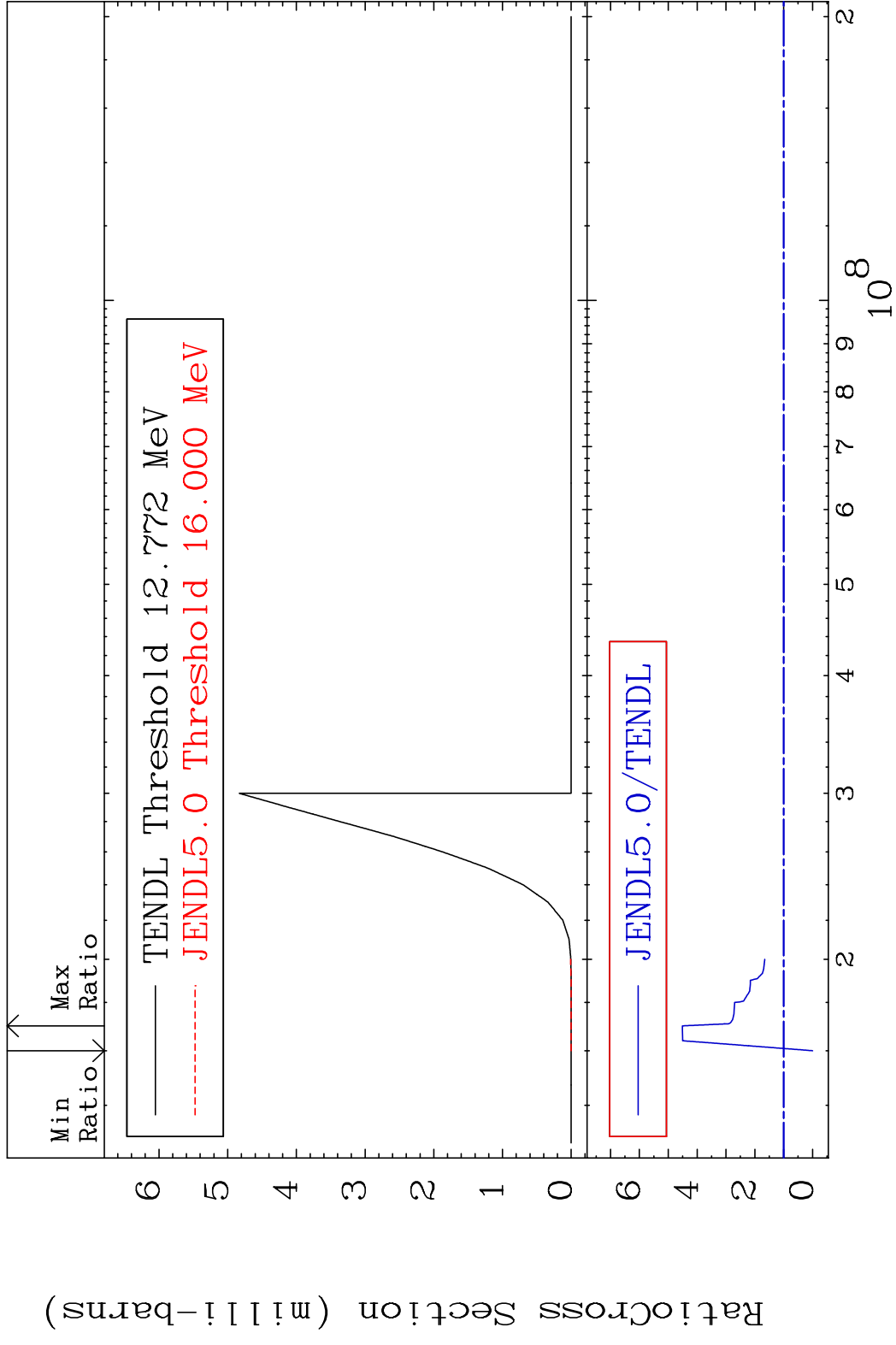


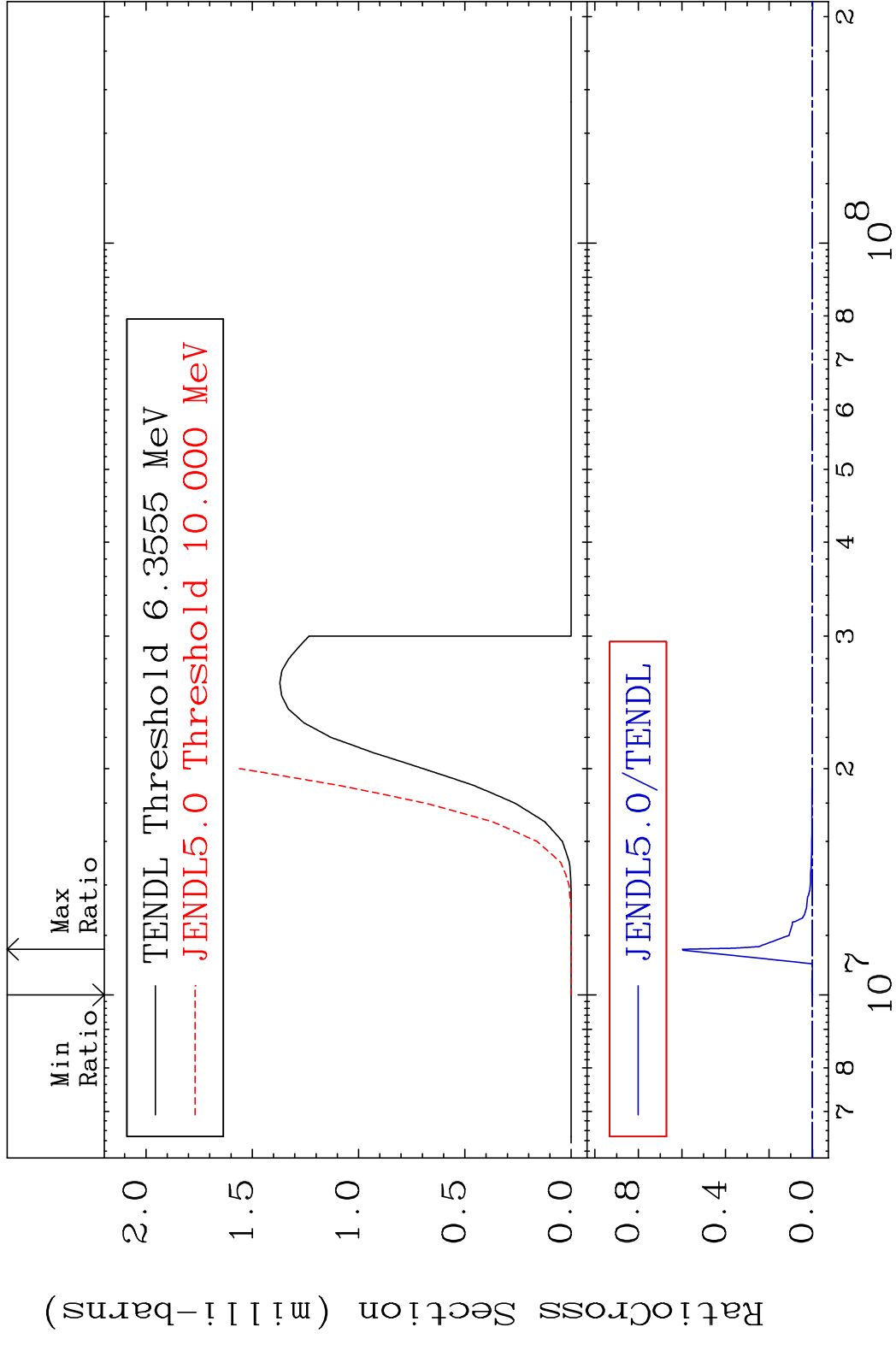


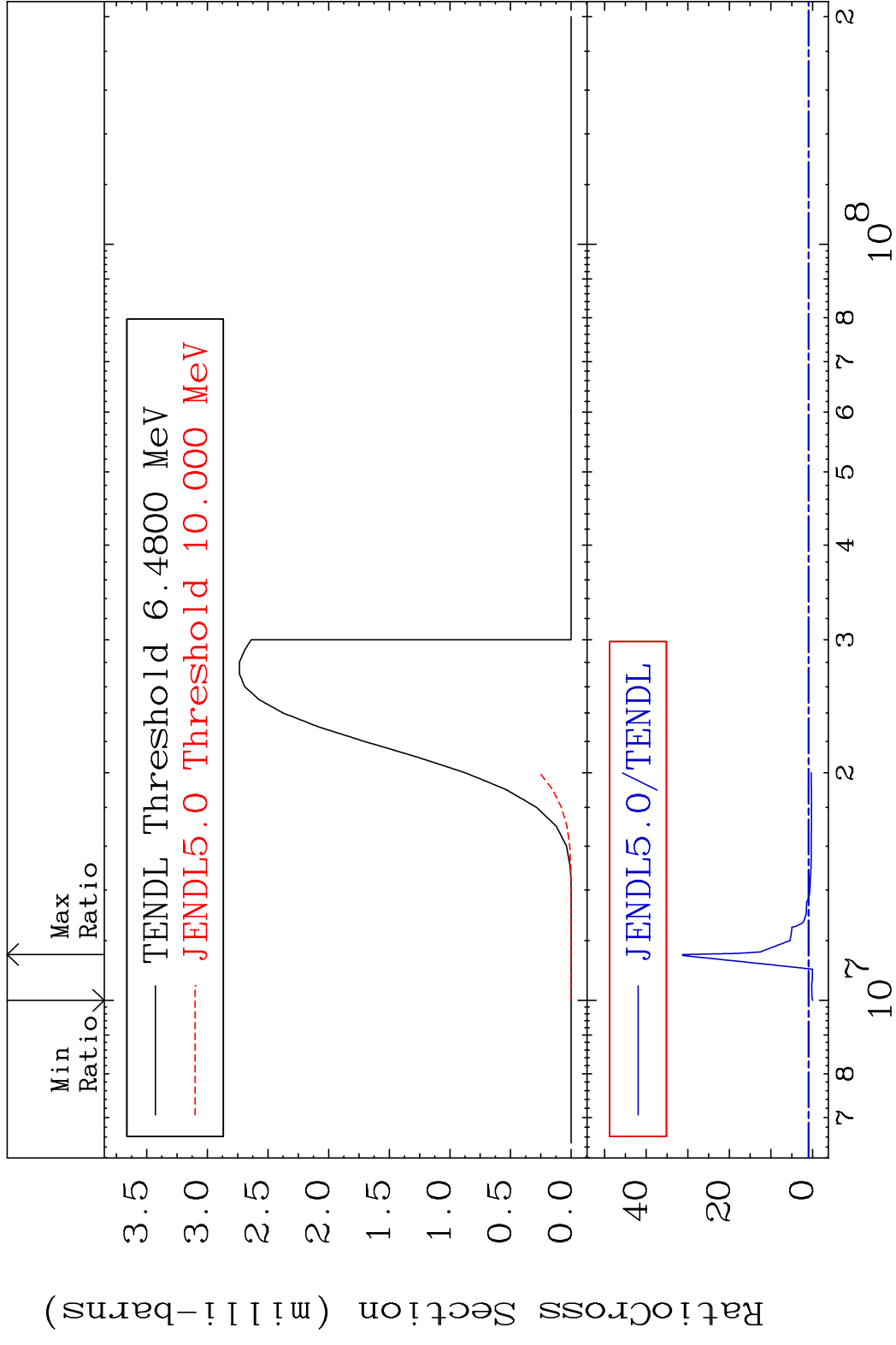
MAT 7243 (n, n')  $\alpha$ :70-Yb-176m5 72-Hf-180  
 Radionuclide Production Cross Section Ratio -57.23%



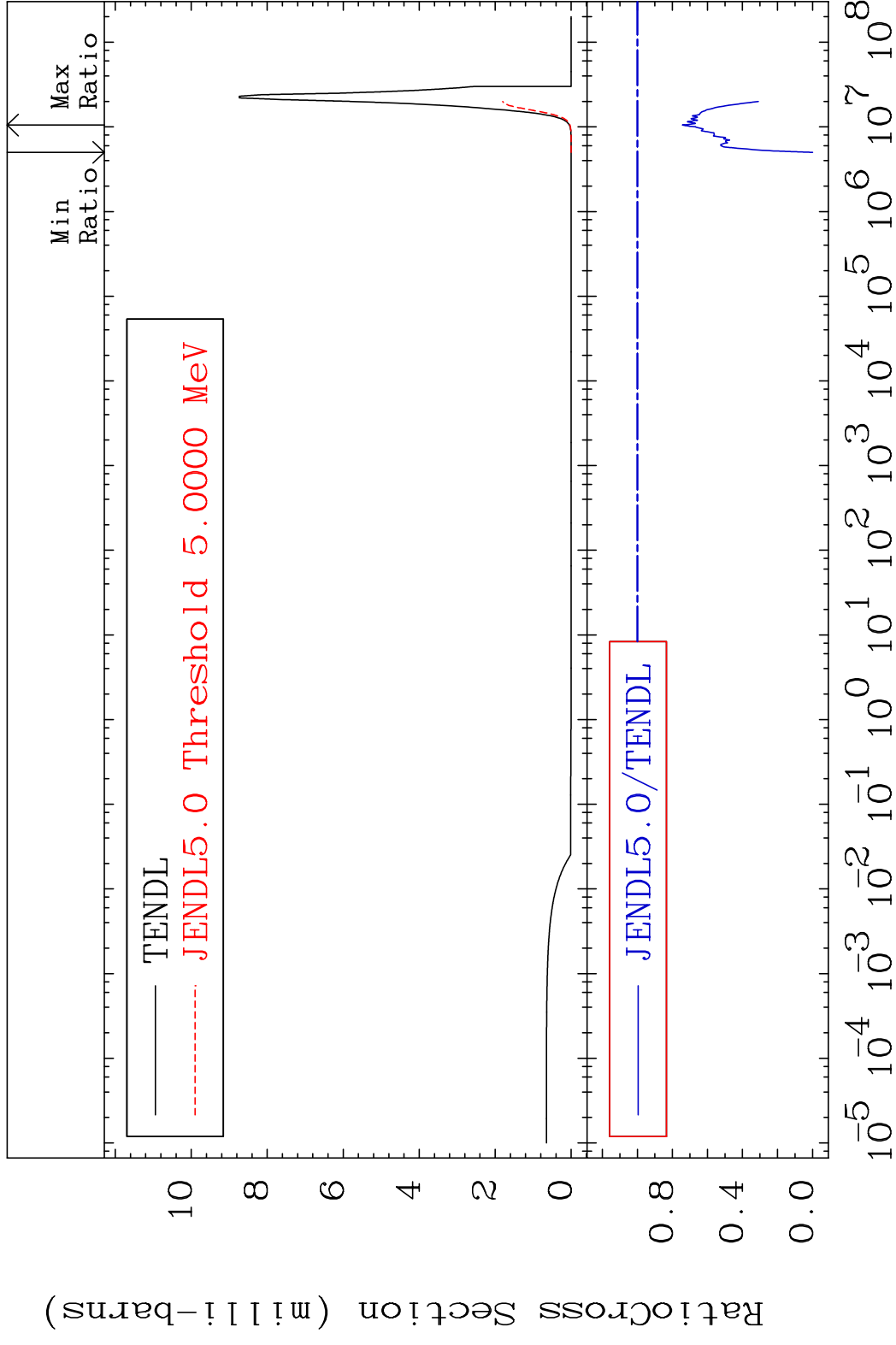




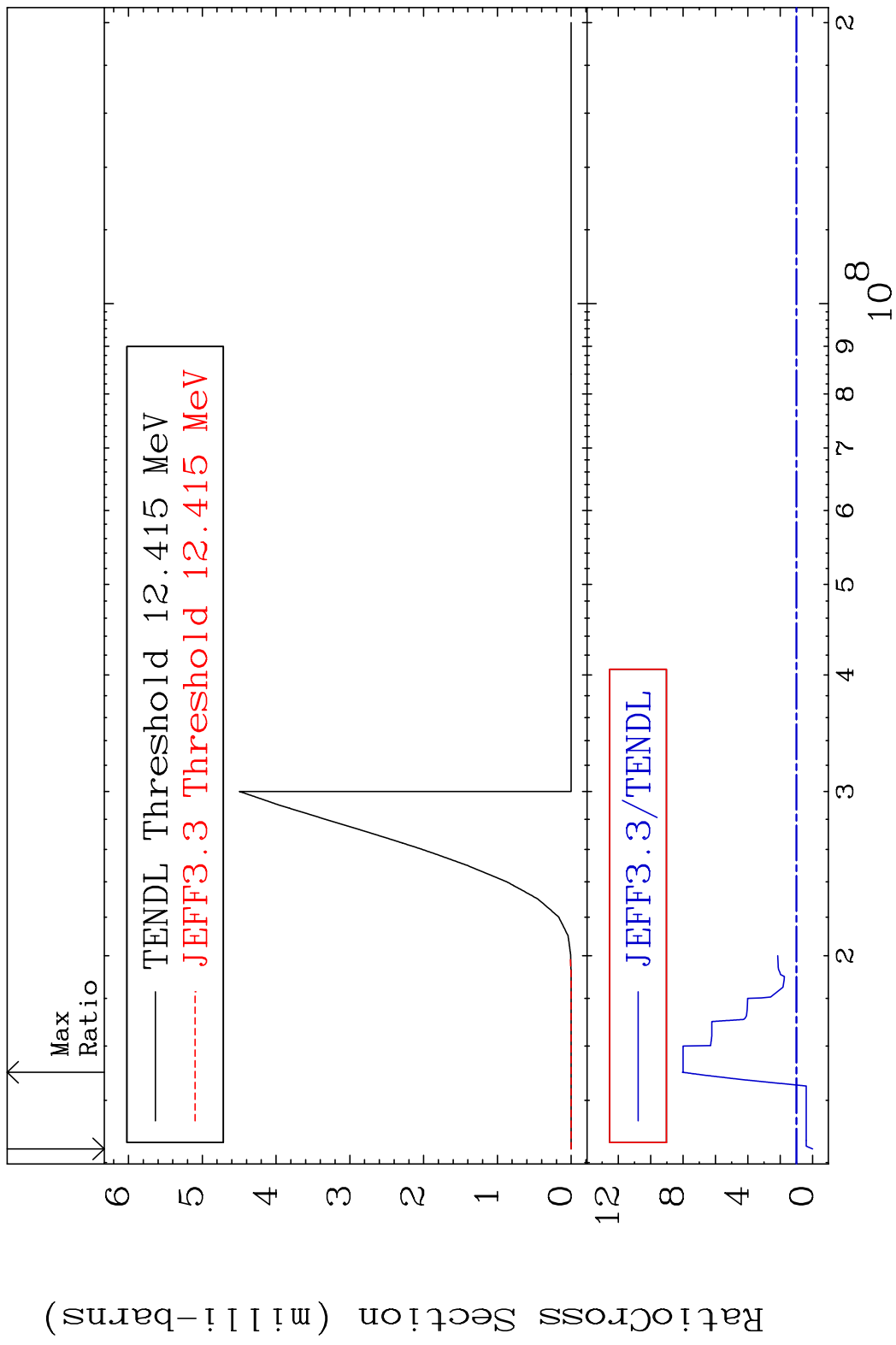


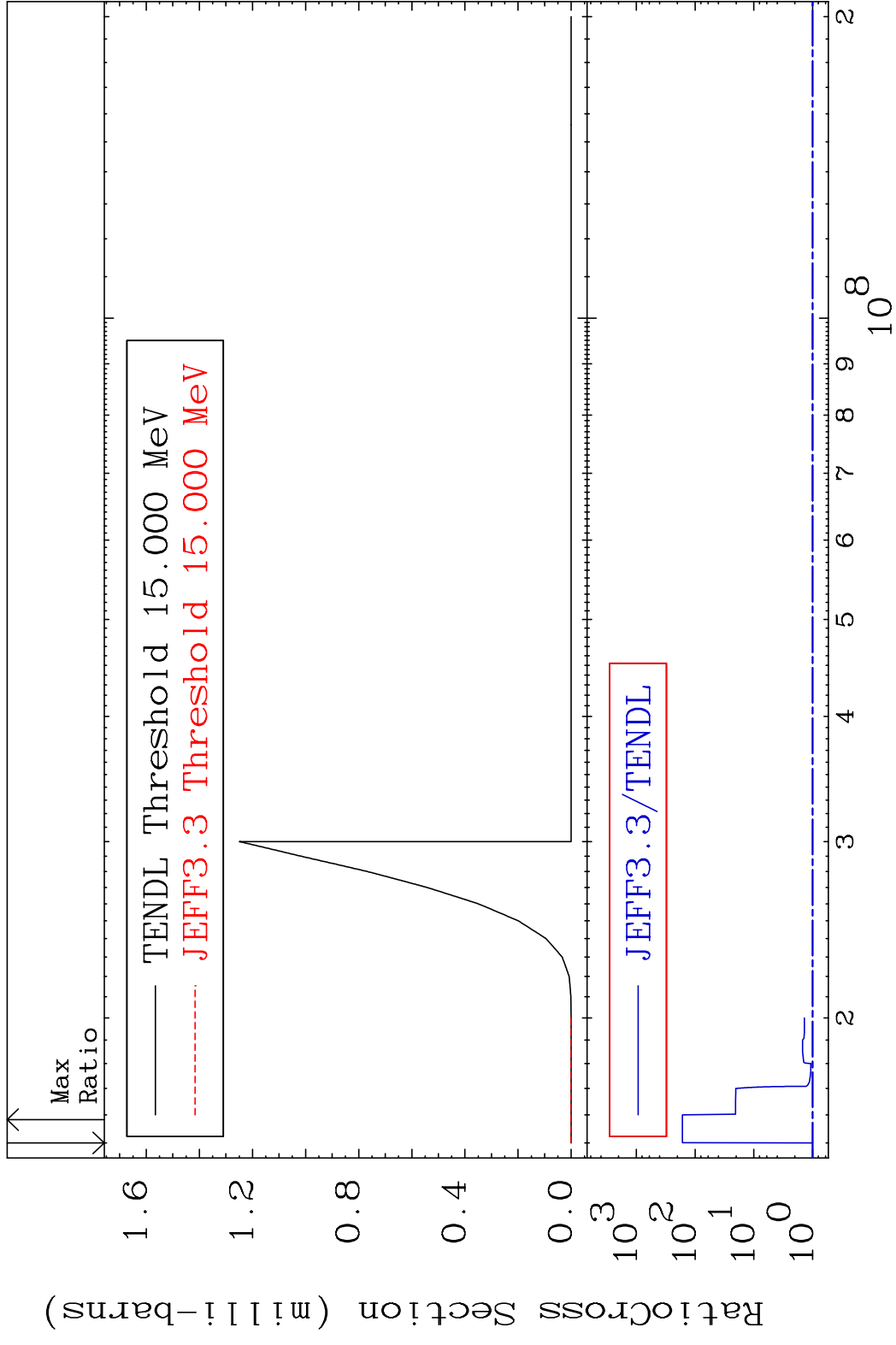


MAT 7243 (n,  $\alpha$ ): 70-Yb-177g 72-Hf-180  
 Radionuclide Production Cross Section Ratio -25.68%

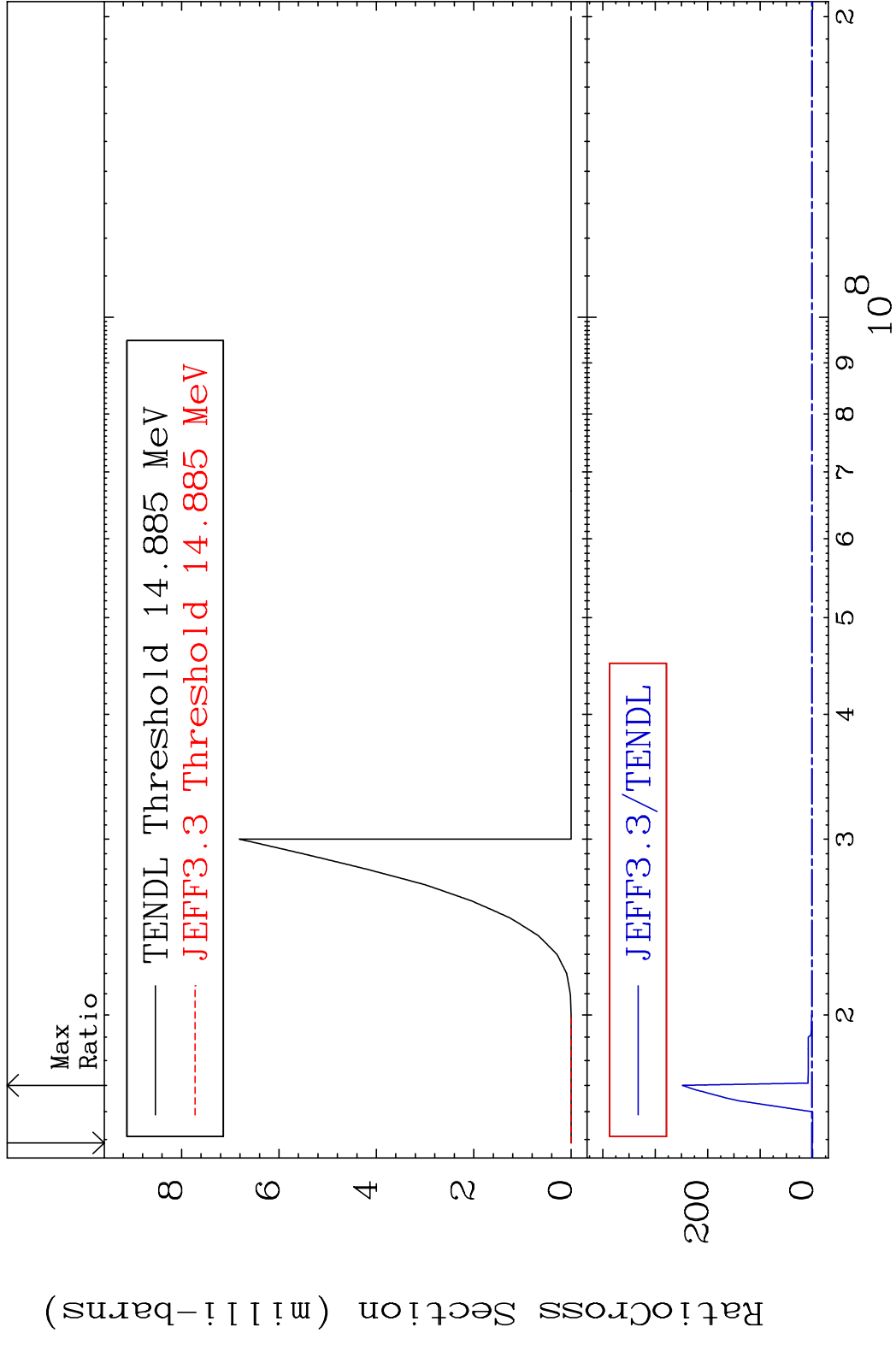


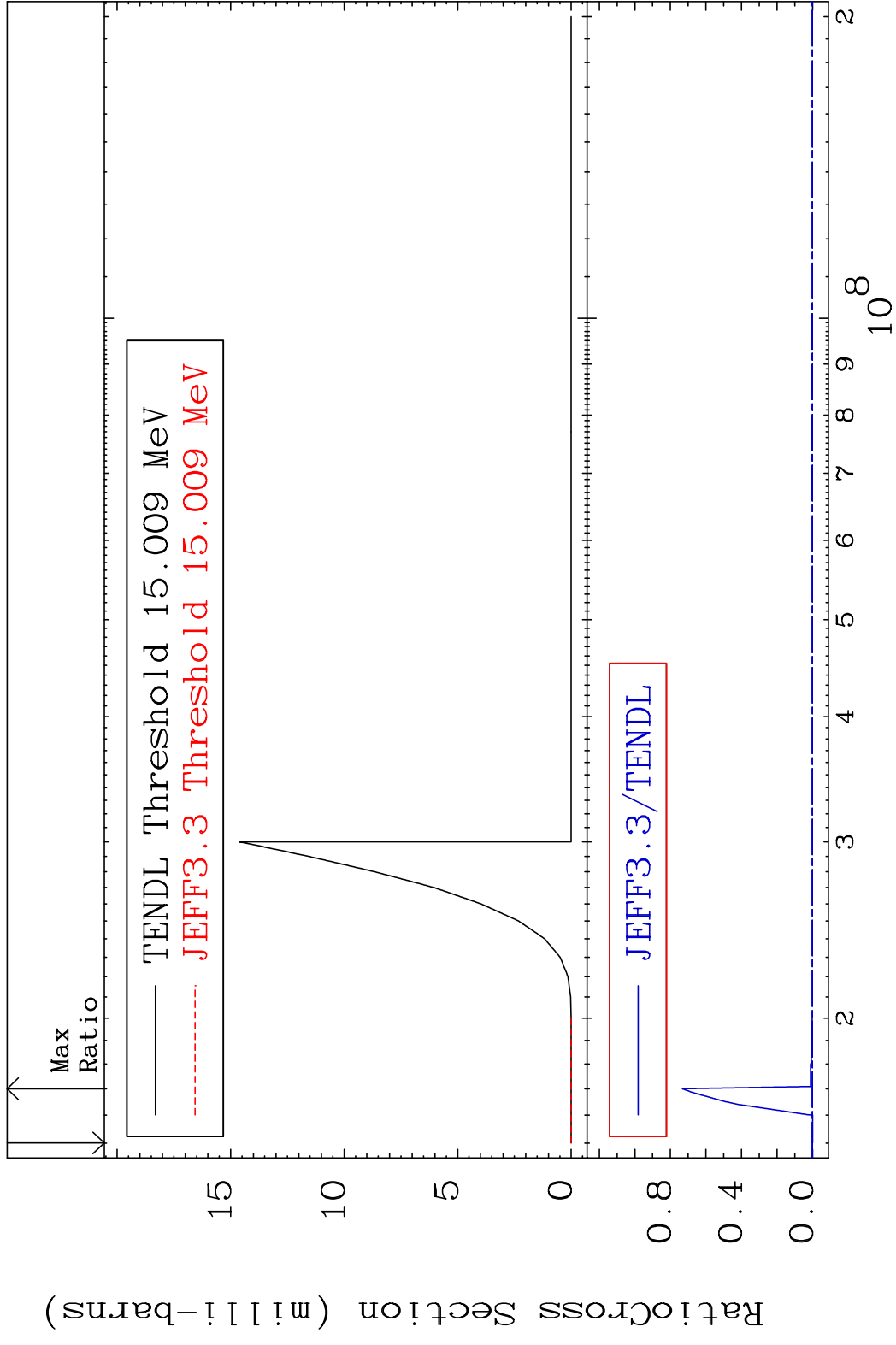
MAT 7243 (n, n') t:71-Lu-177g 72-Hf-180  
 Radionuclide Production Cross Section 180.0 dth 704.1 %

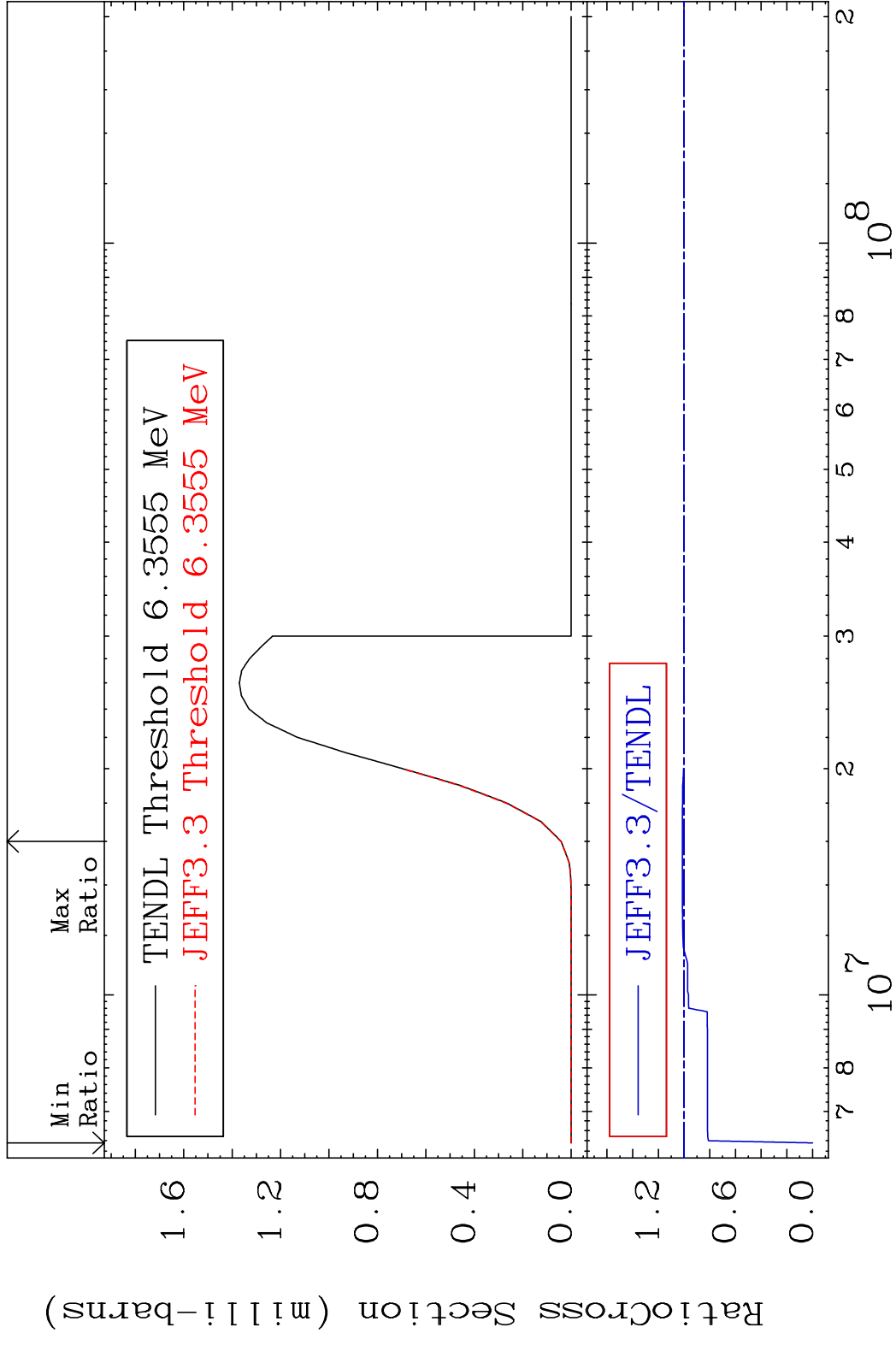












MAT 7243

(n, t): 71-Lu-178m3

72-Hf-180

Radionuclide Production Cross Section Ratio - 1.270%

