

Program Complot  
(Version 2021-1)

by

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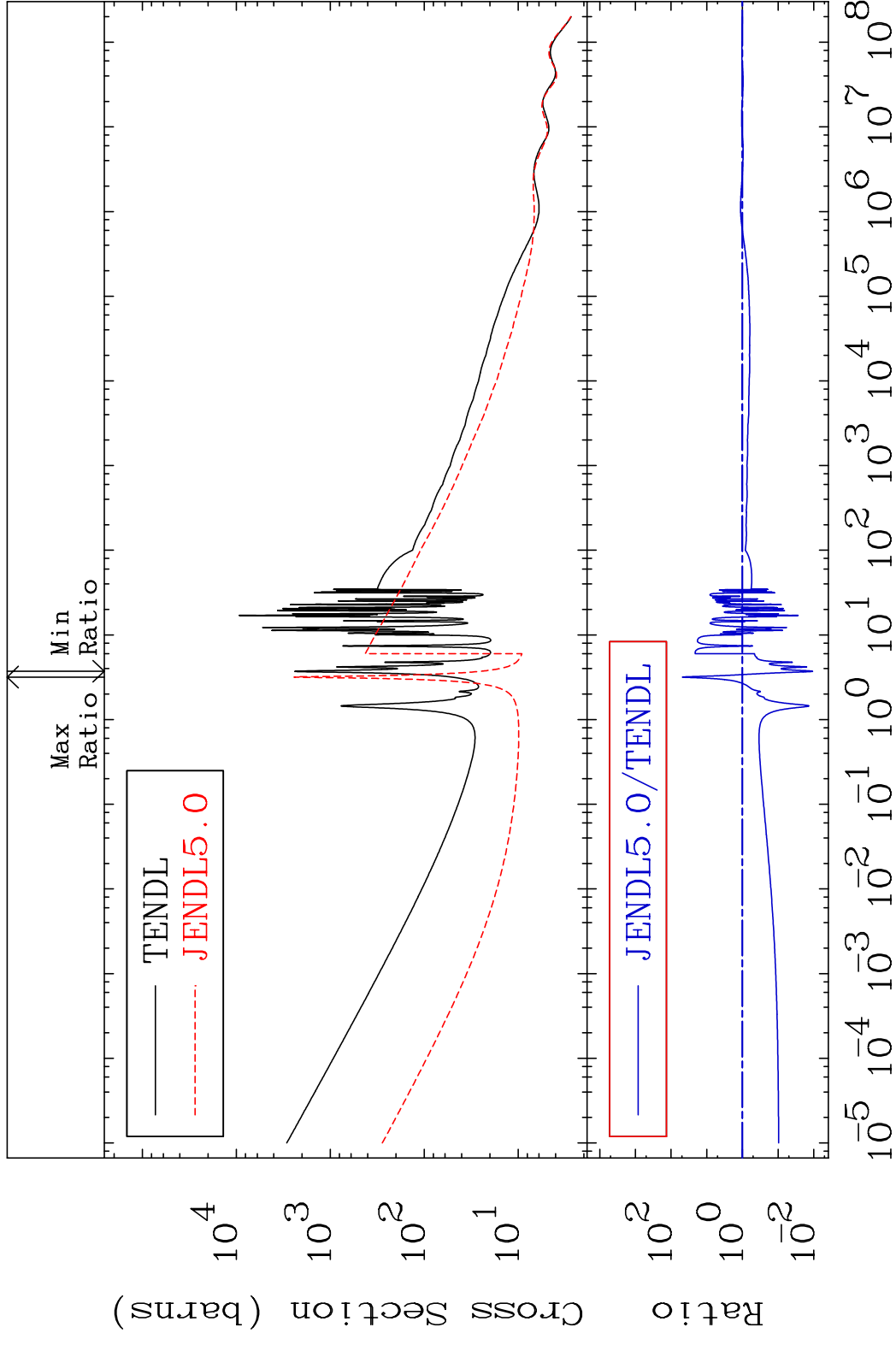
Press Mouse Button to Start

MAT 7428

Total

74-W -181

Cross Section -98.92 To 4734. %



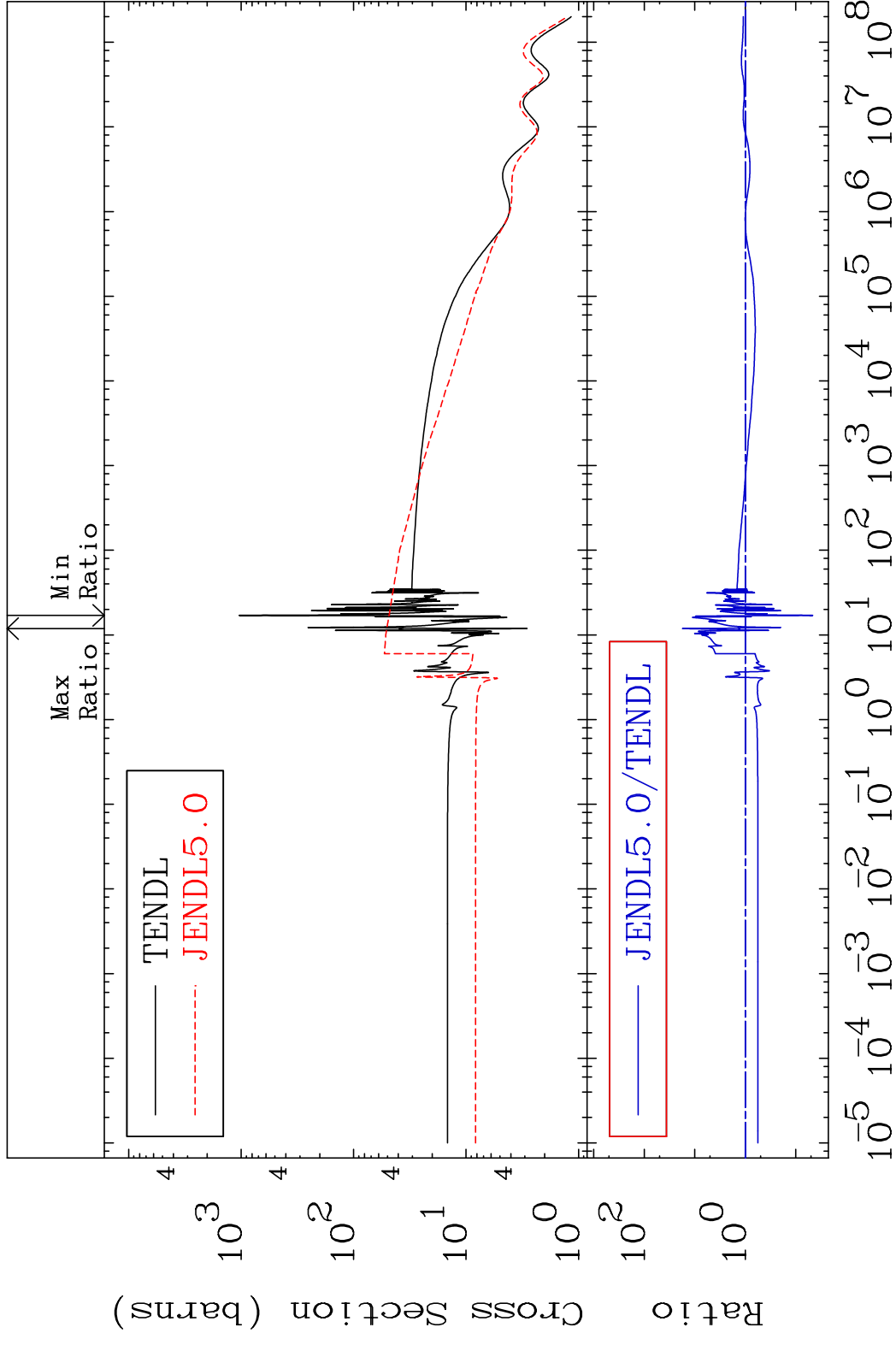
1

Incident Energy (eV)

74-W -181

MAT 7428

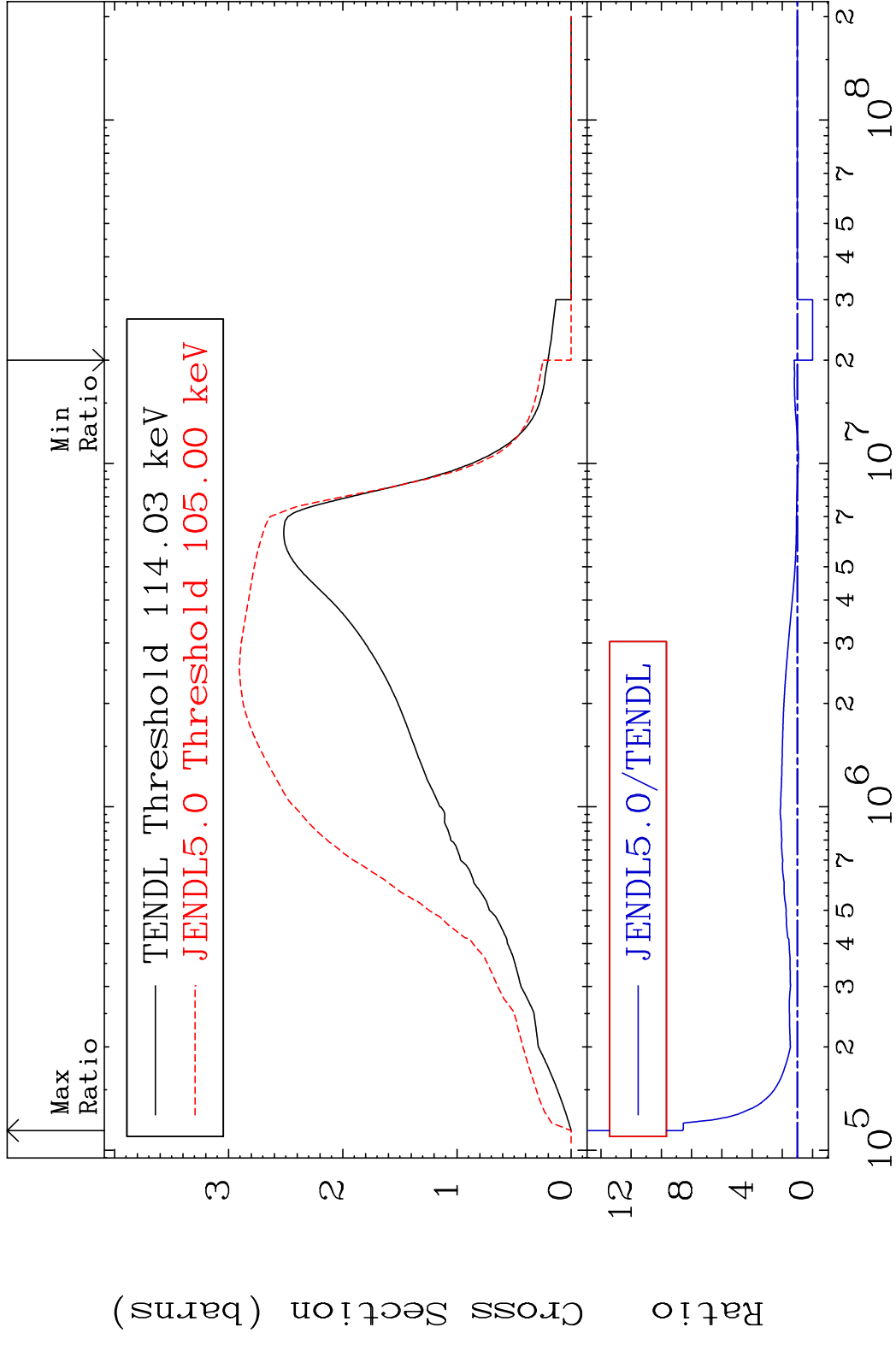
Elastic Cross Section -95.33 To 1664. %  
74-W -181



2

Incident Energy (eV) 74-W -181

MAT 7428 Inelastic 74-W -181  
 Cross Section -100.0 To 761.1 %



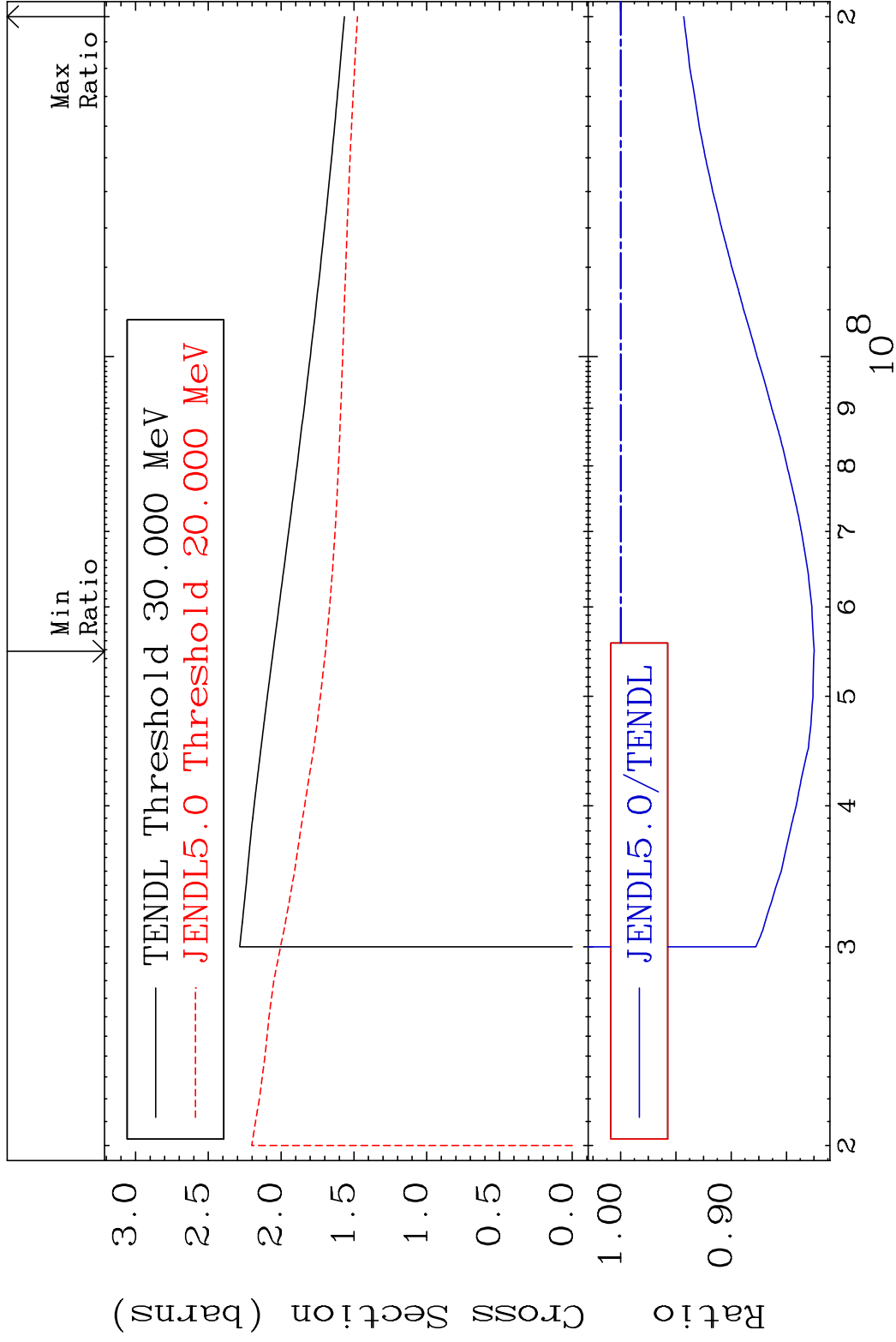
3 12 8 4 0 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 2 3 4 5 7 8 2 74-W -181

MAT 7428

(n, remainder)

74-W -181

Cross Section -17.51 To -5.703%

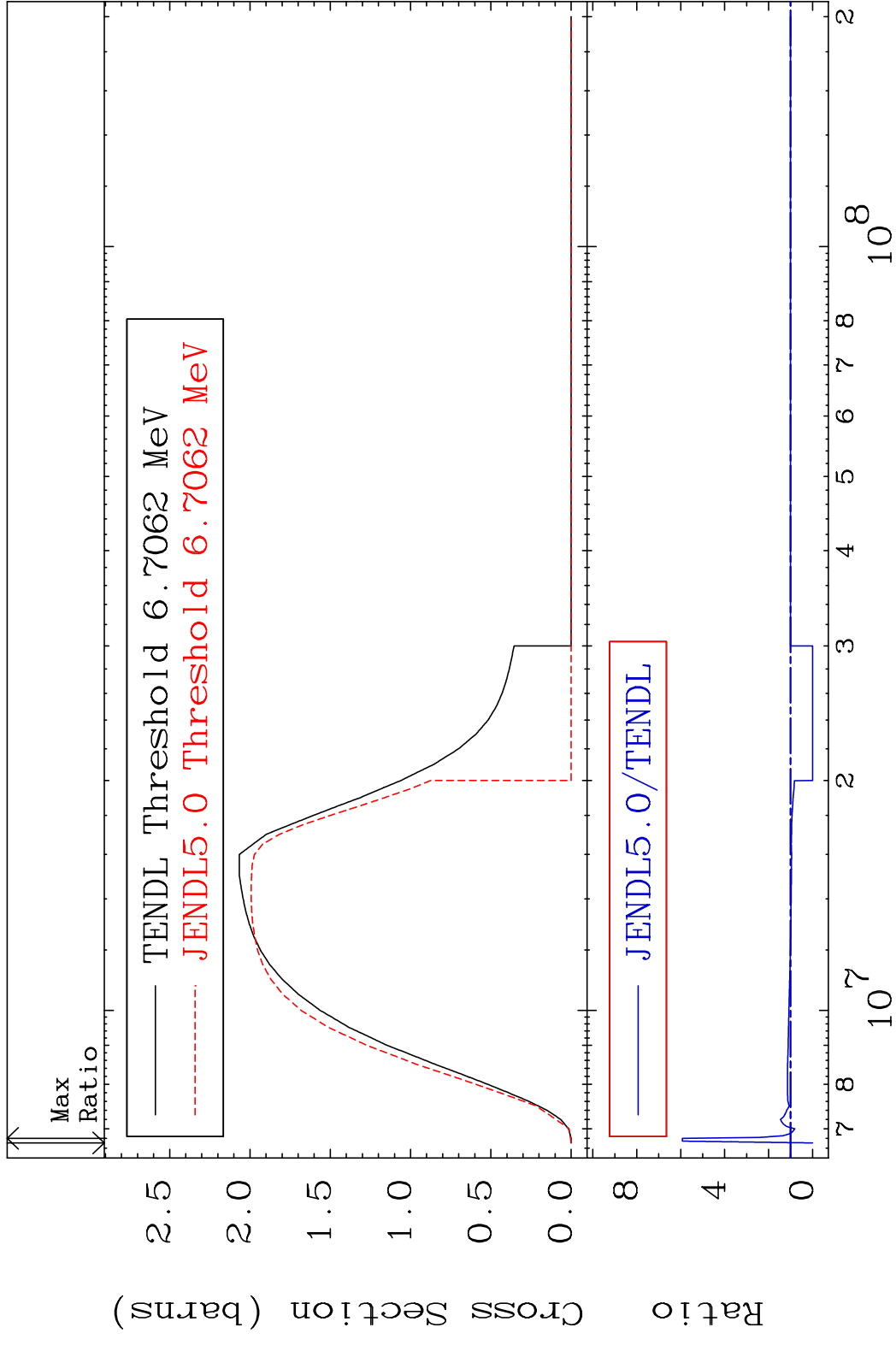


4

Incident Energy (eV)

74-W -181

MAT 7428 (n,2n) 74-W -181  
 Cross Section -100.0 To 492.5 %



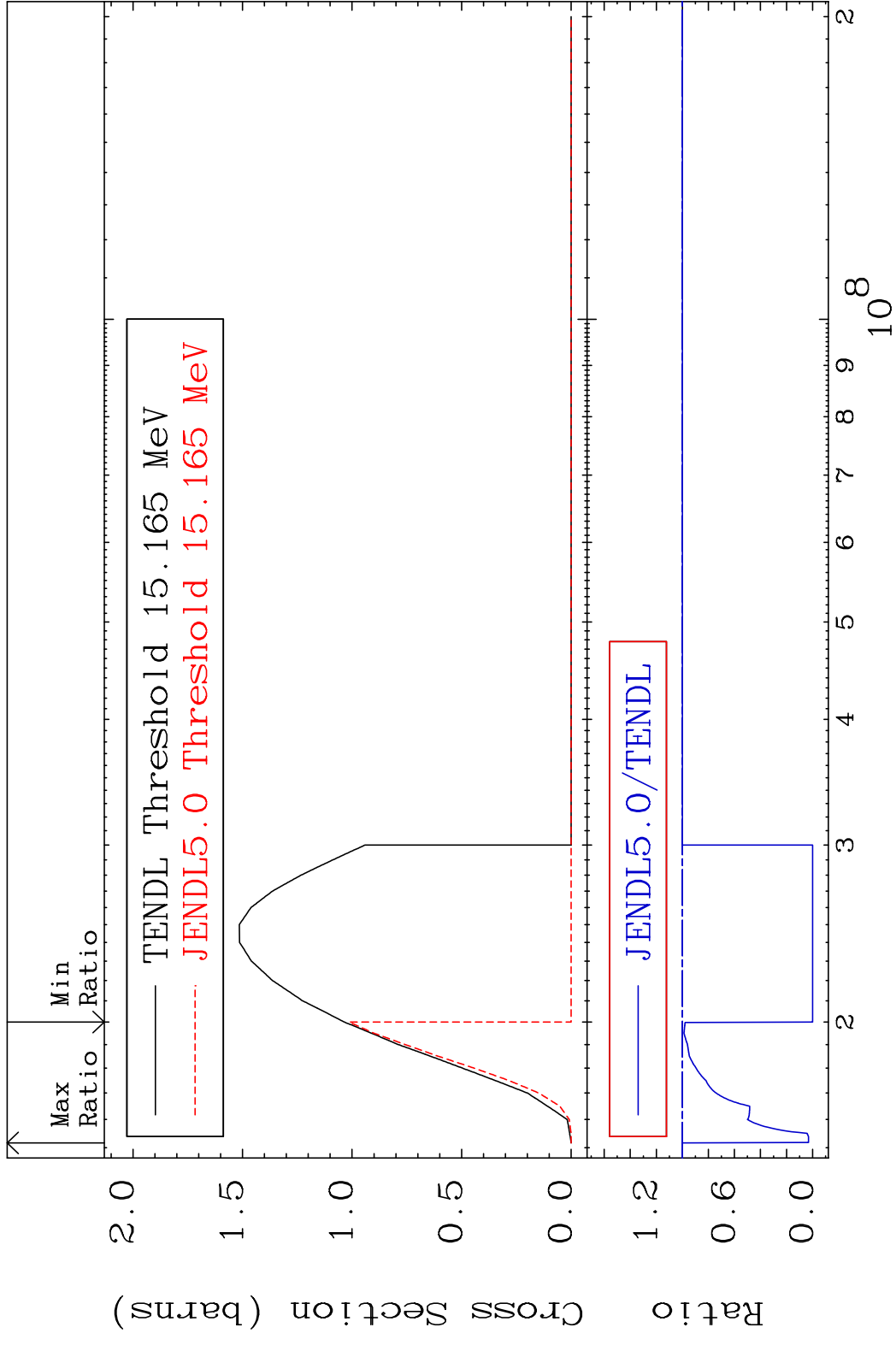
5 Incident Energy (eV) 74-W -181

MAT 7428

(n,3n)

74-W -181

Cross Section -100.0 To 0.000 %

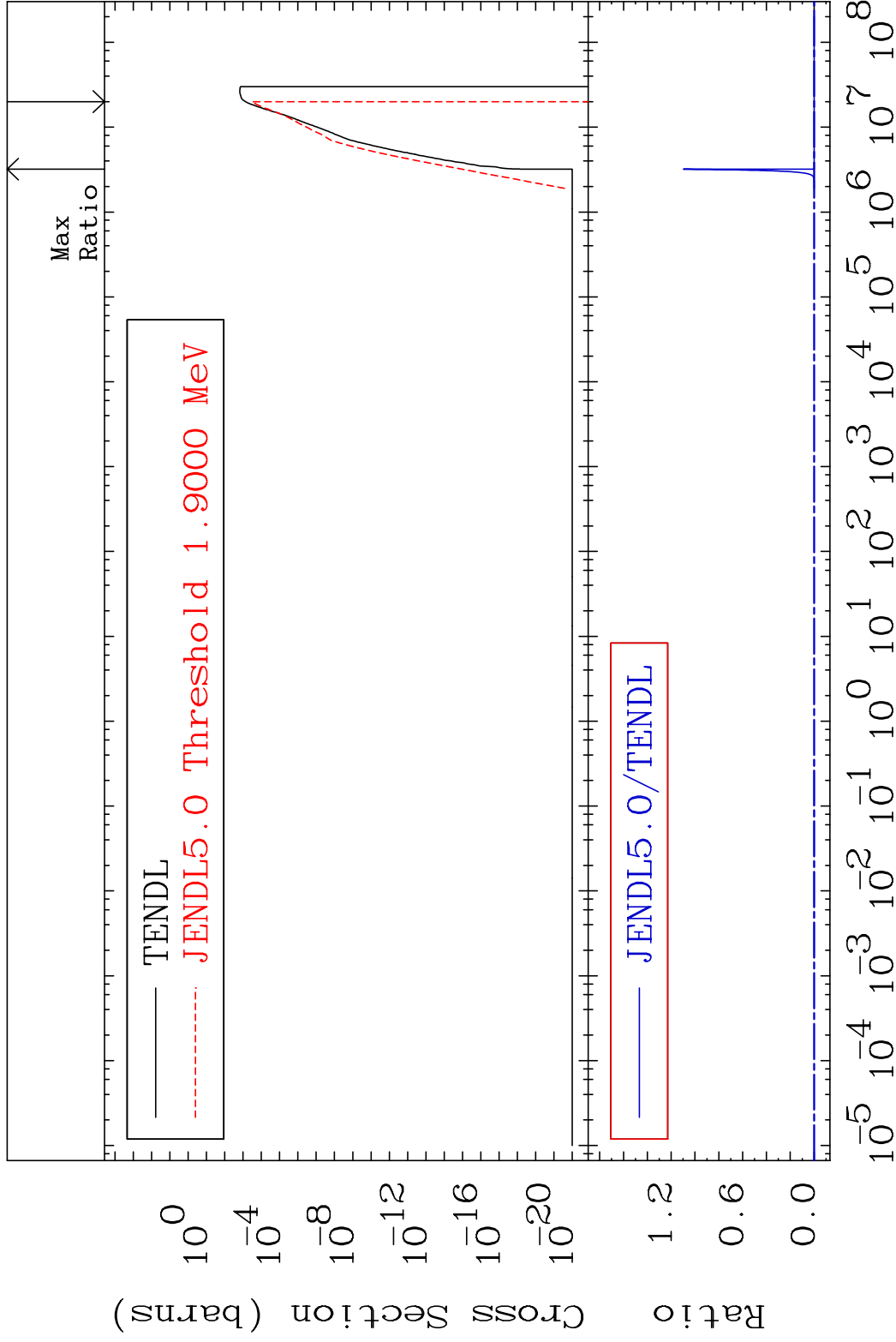


MAT 7428

(n, n')  $\alpha$

74-W -181

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

74-W -181

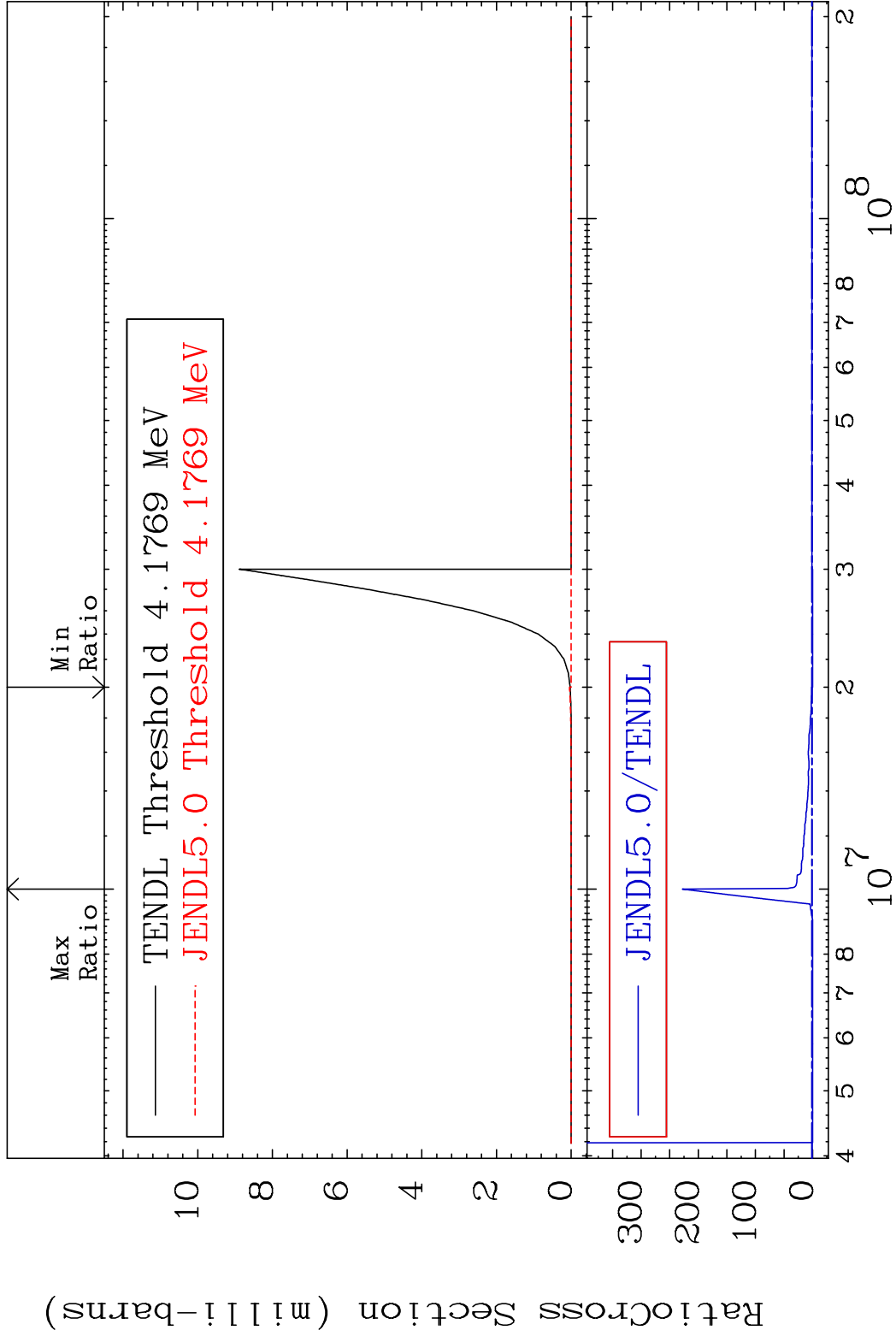


MAT 7428

(n,2n)  $\alpha$

74-W -181

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

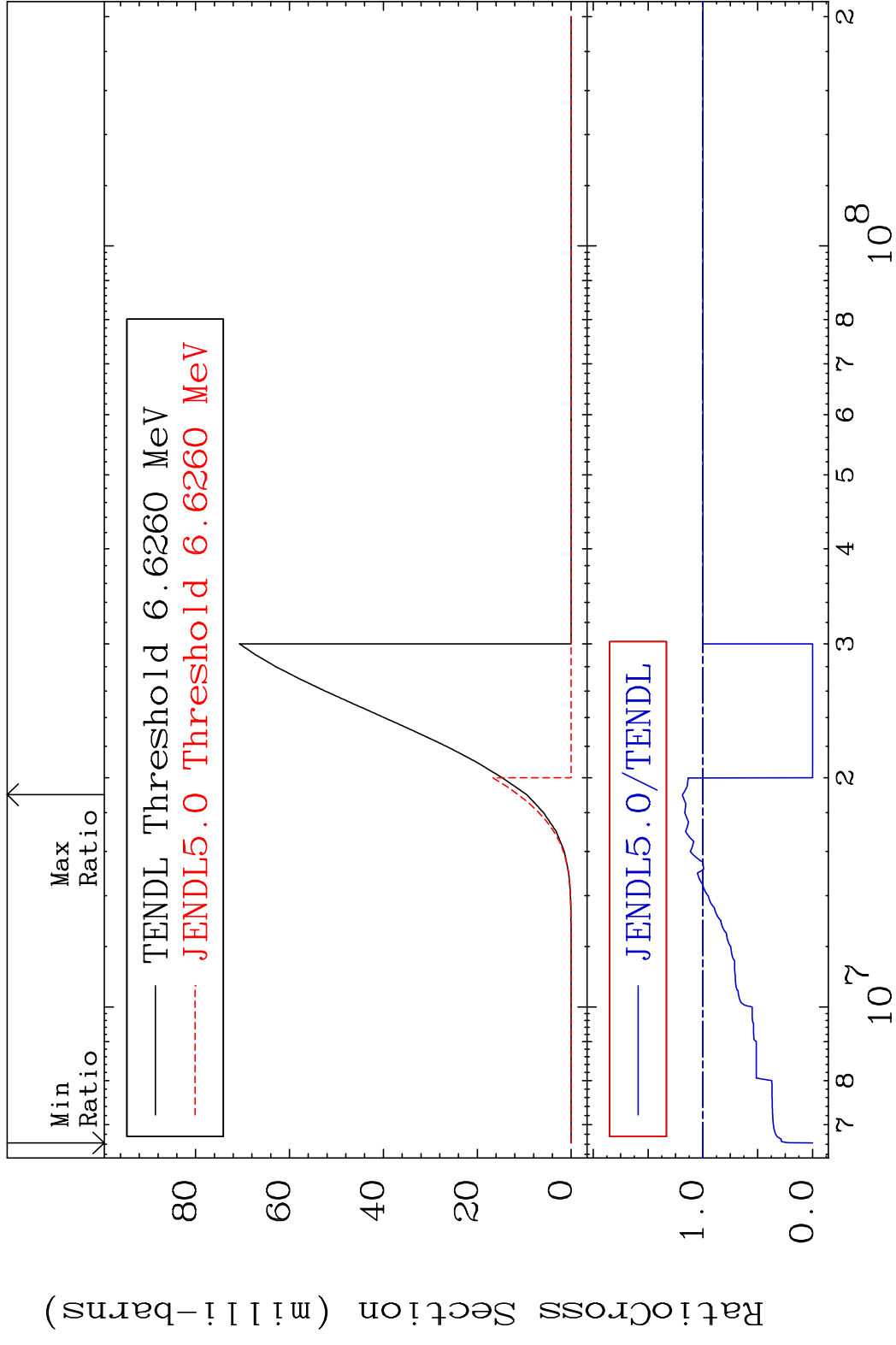
74-W -181

MAT 7428

(n, n') p

Cross Section -100.0 To 18.75 %

74-W -181

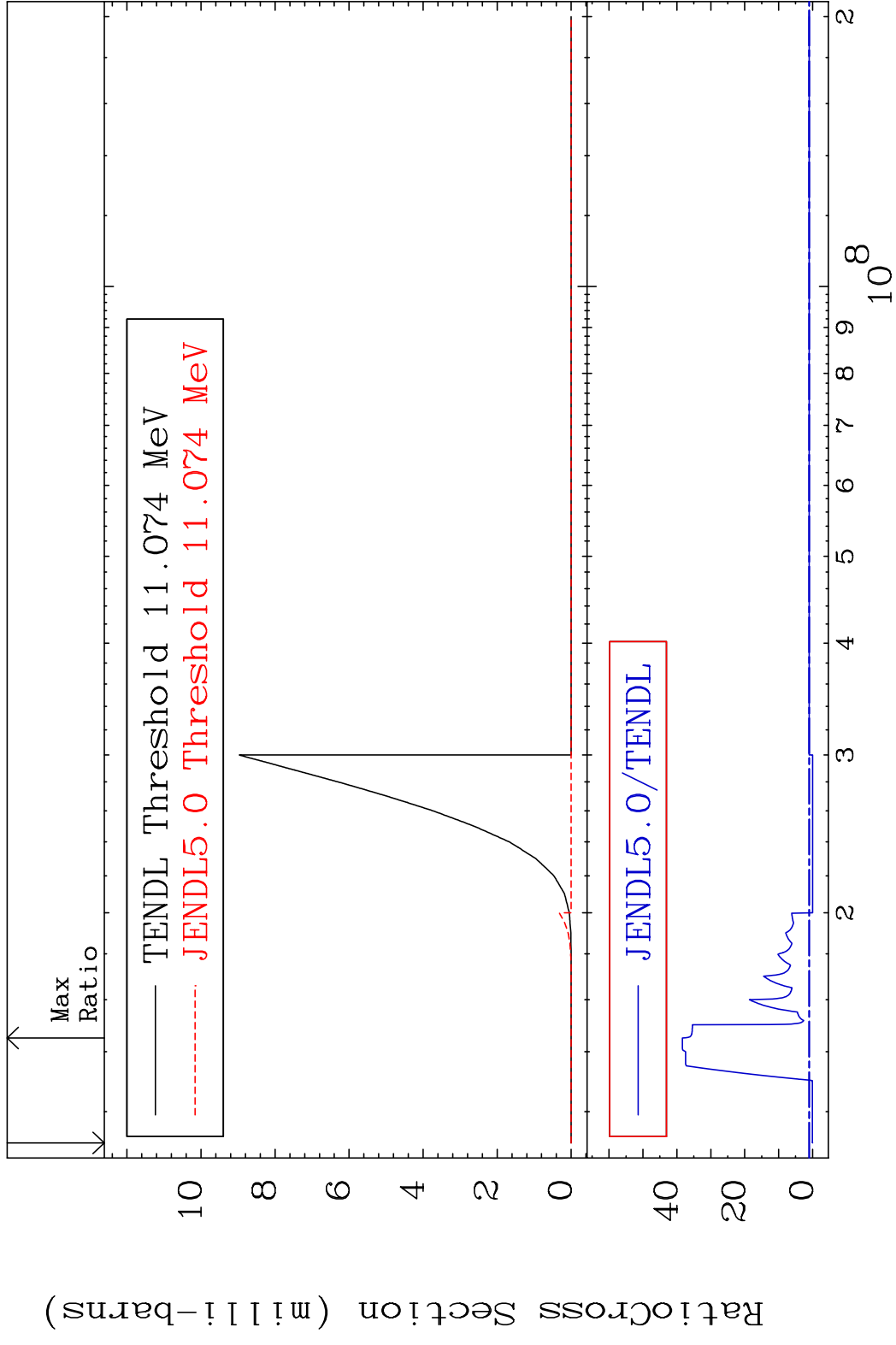


9

Incident Energy (eV)

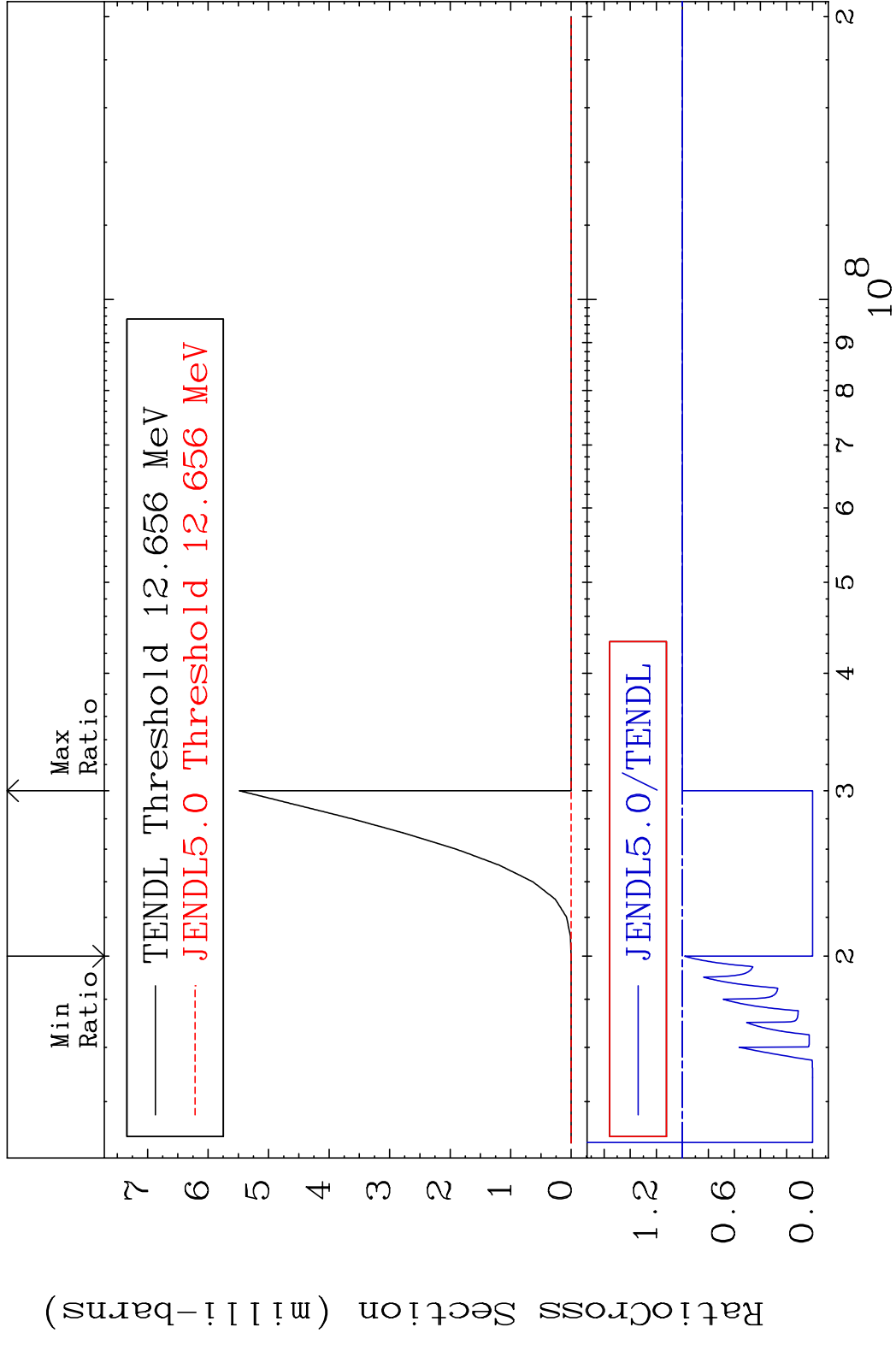
74-W -181

MAT 7428 (n, n') d 74-W -181  
 Cross Section -100.0 To 3738. %

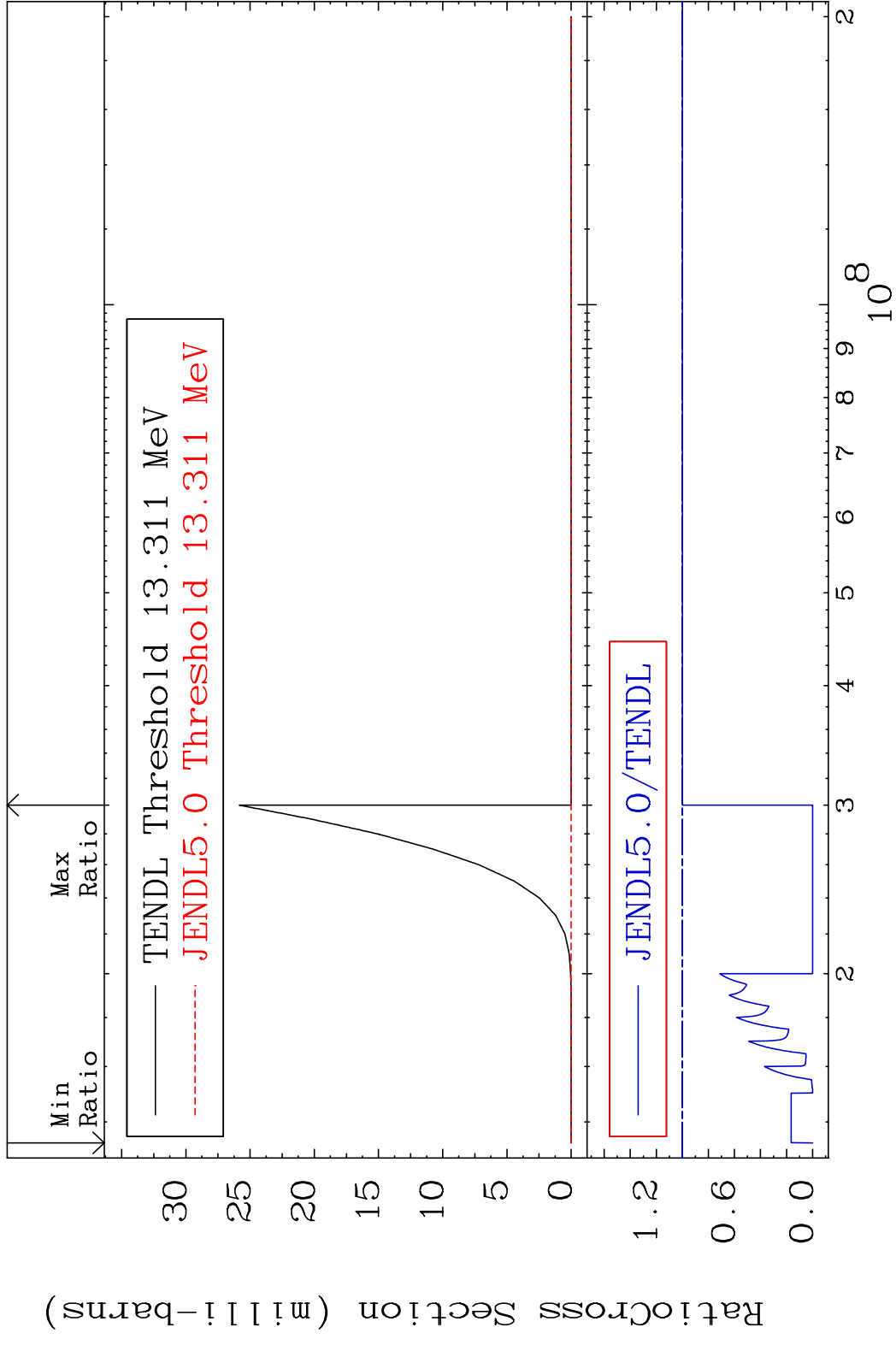


10 Incident Energy (eV) 74-W -181

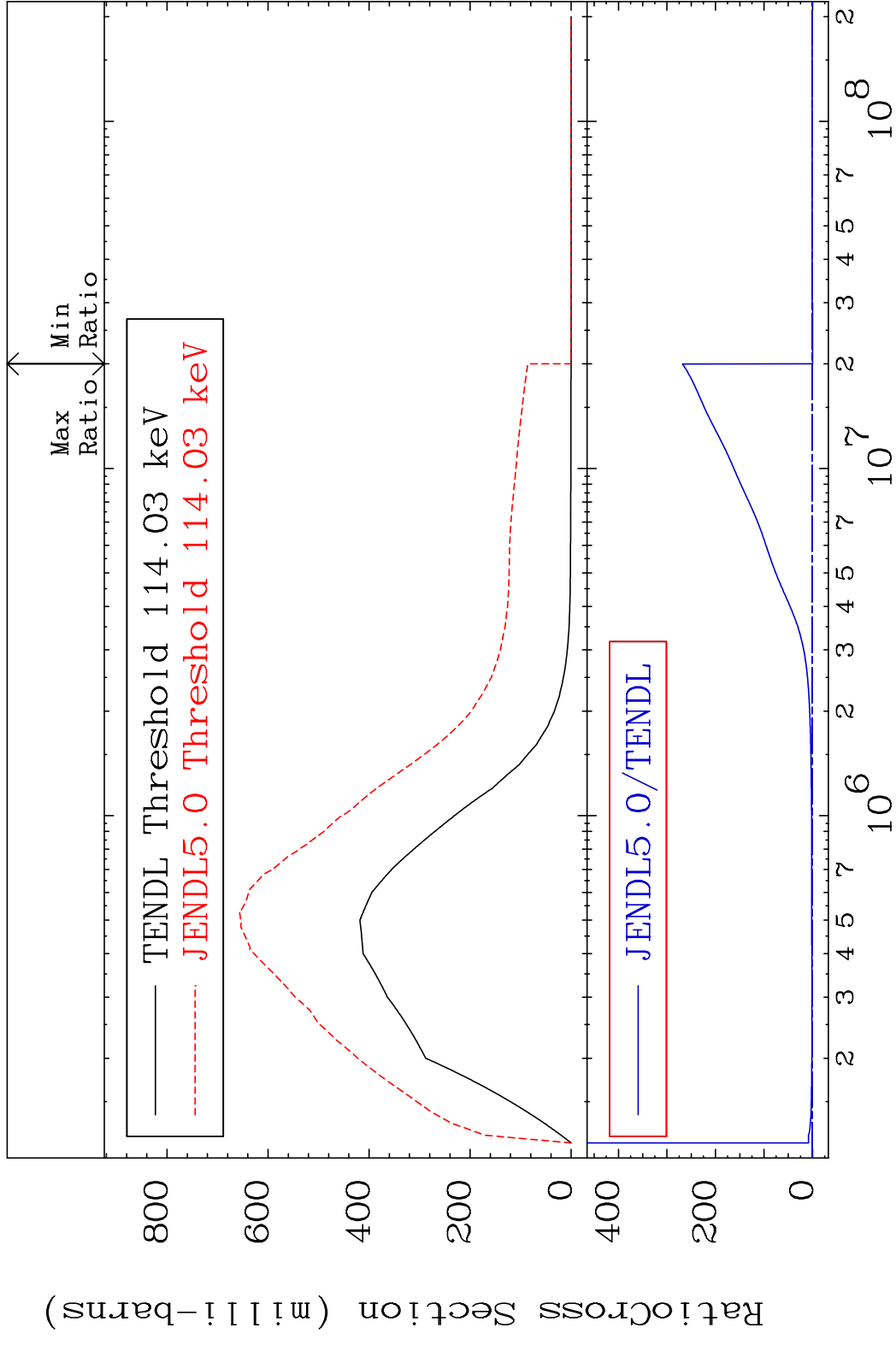
Cross Section -100.0 To 0.000 %



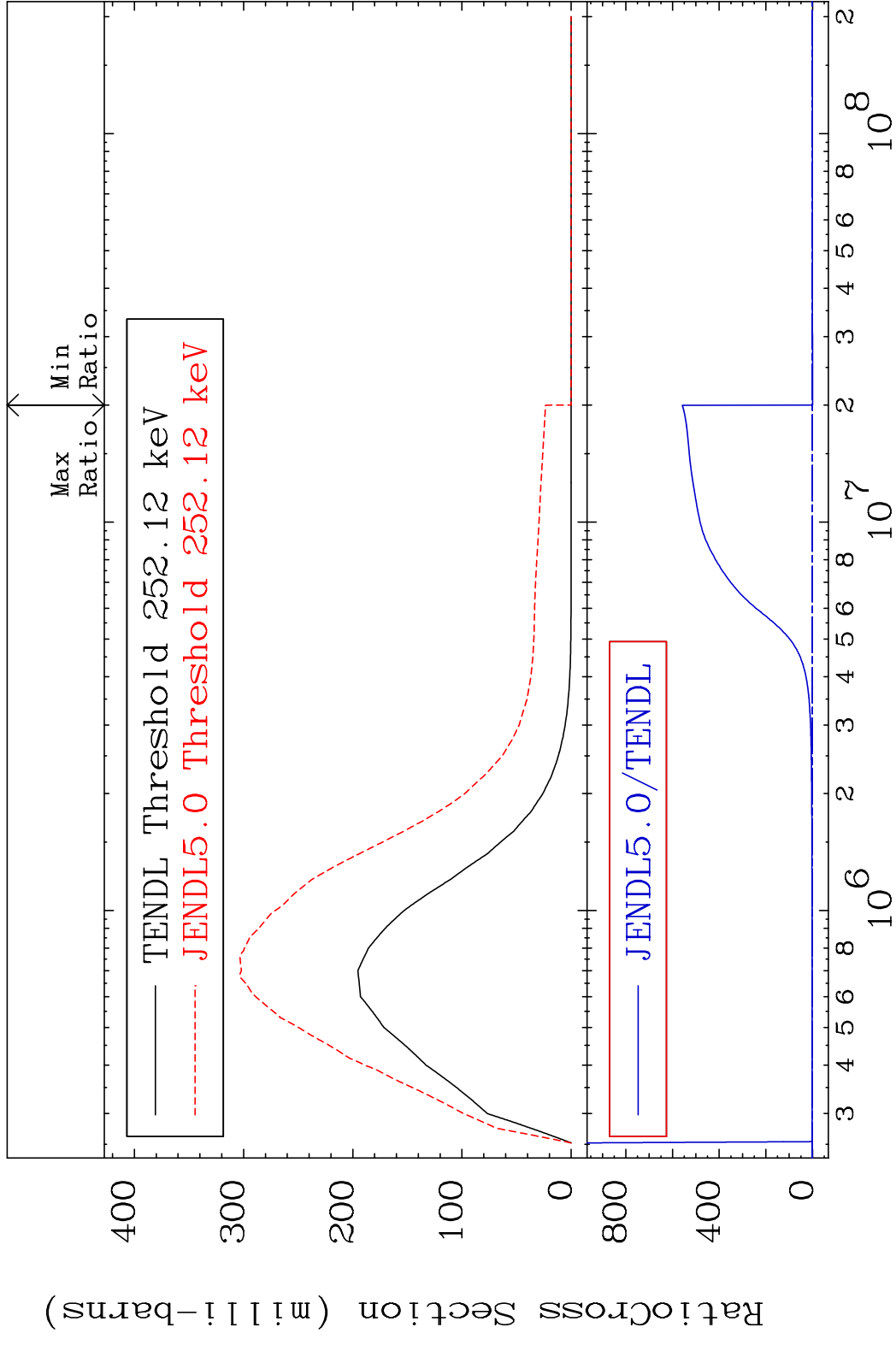
MAT 7428 (n,2n) p 74-W -181  
 Cross Section -100.0 To 0.000 %



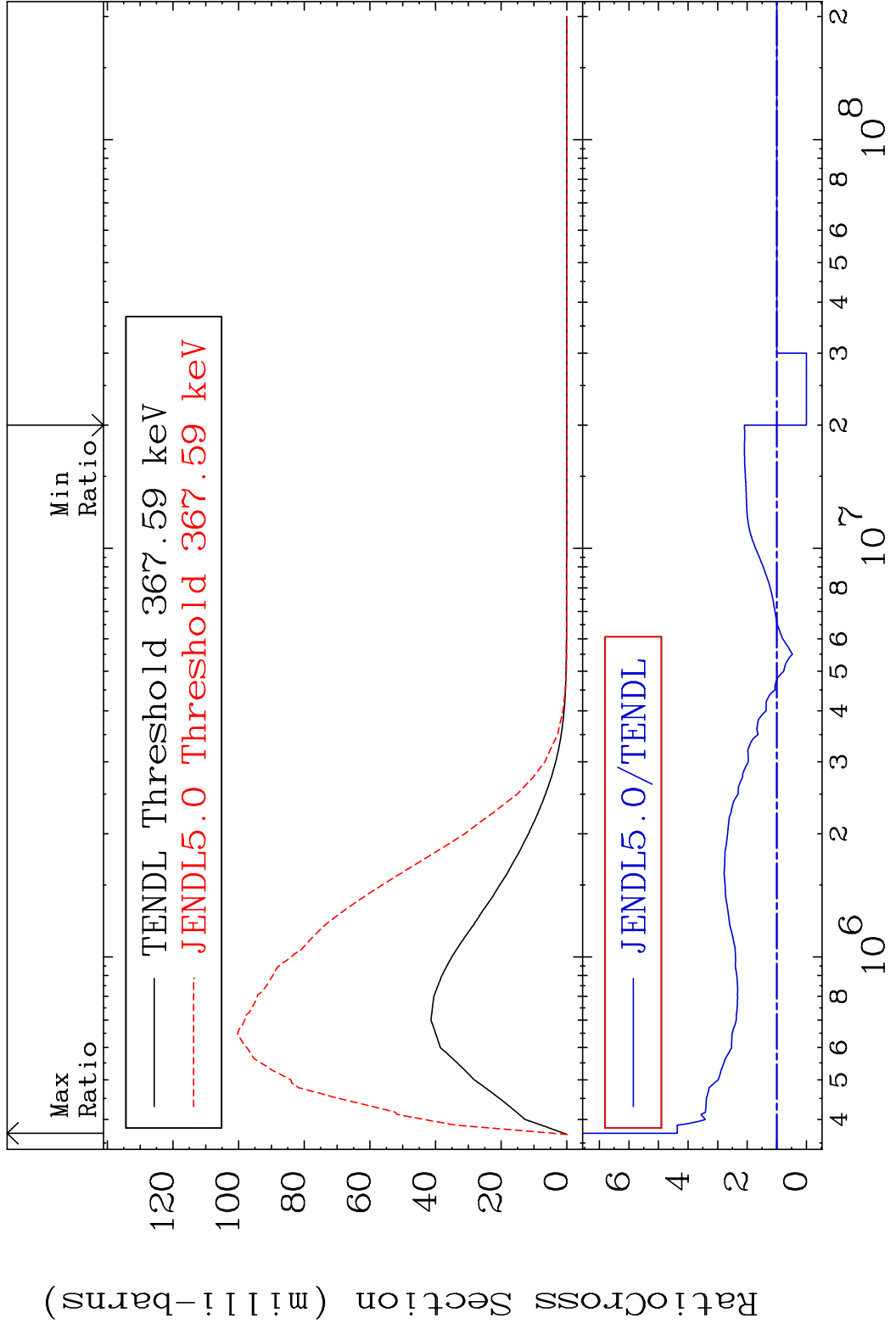
MAT 7428 MT= 51 (n, n') Level 74-W -181  
 Cross Section -100.0 To 9999. %



MAT 7428 MT= 52 (n,n') Level 74-W -181  
 Cross Section -100.0 To 9999. %

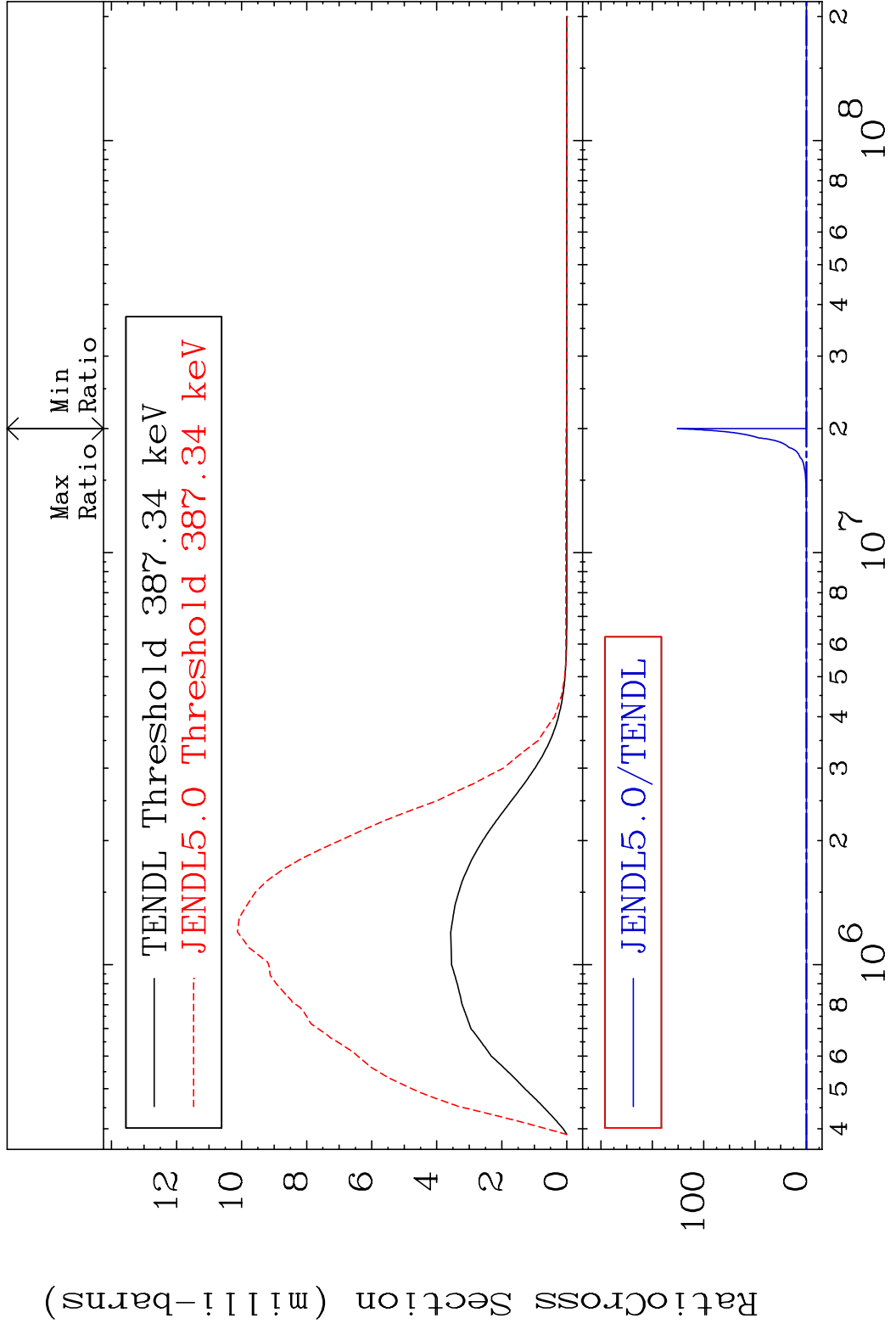


MAT 7428 MT= 53 (n,n') Level 74-W -181  
 Cross Section -100.0 To 337.0 %

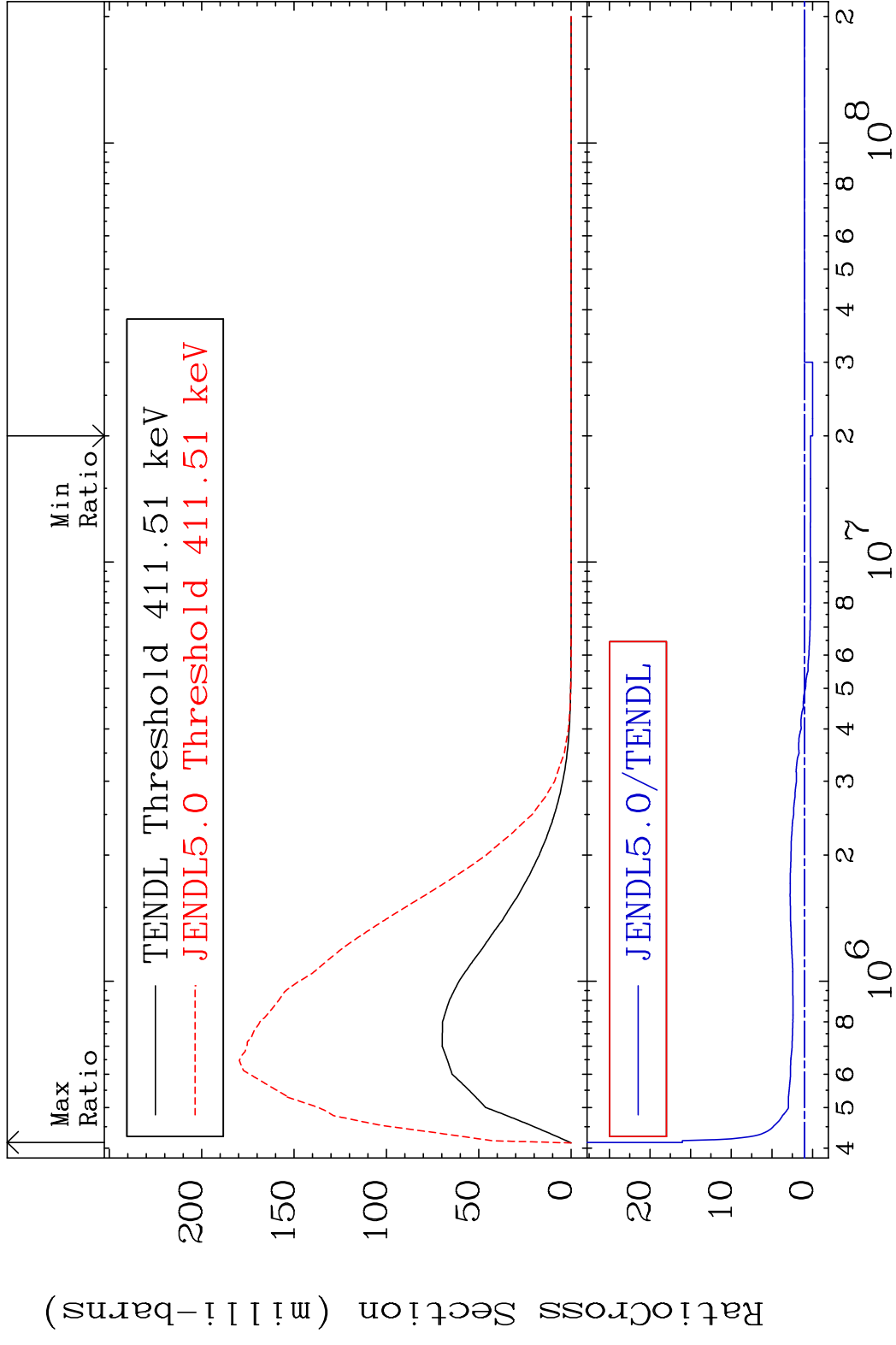




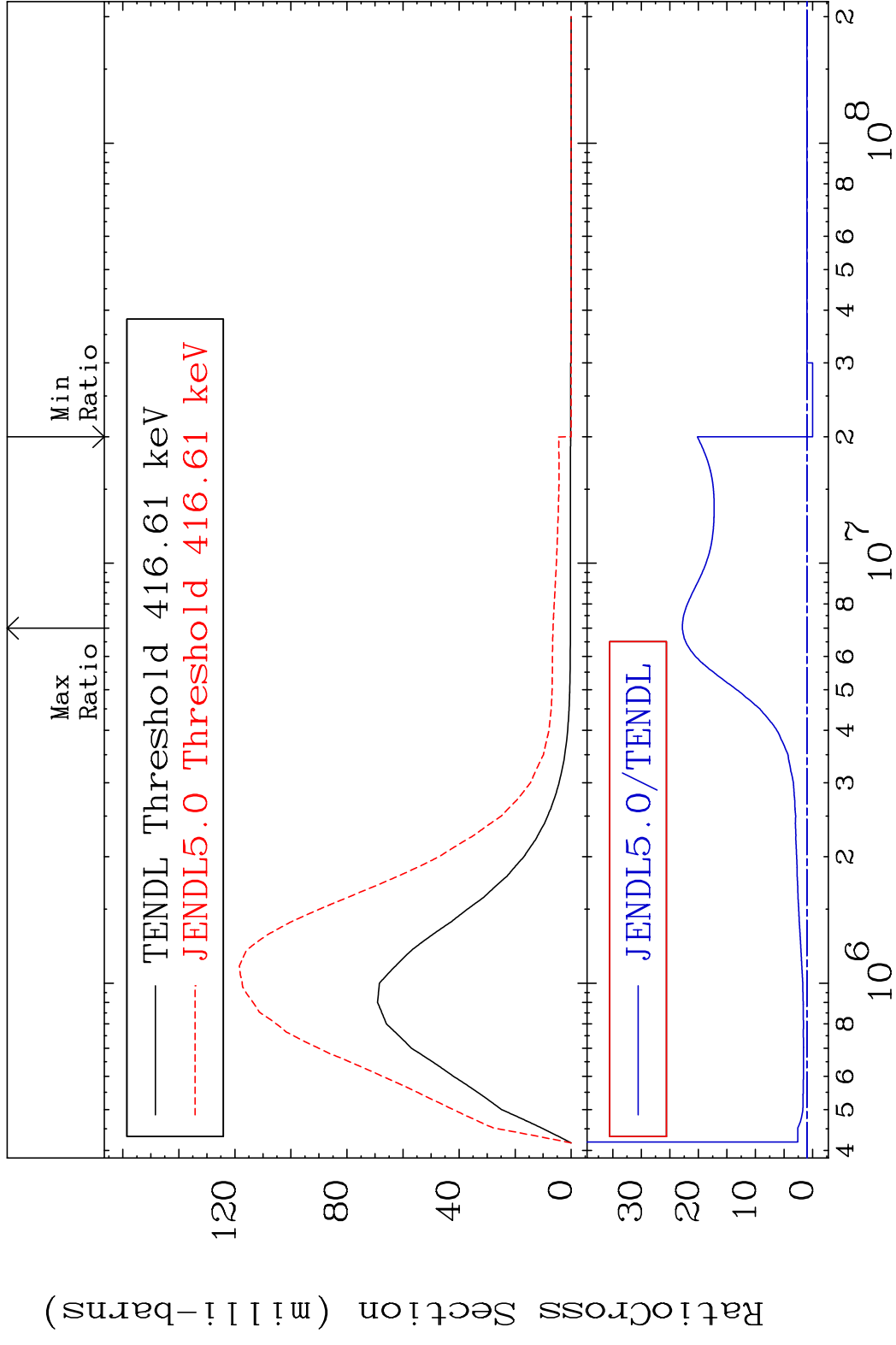
MAT 7428 MT= 54 (n, n') Level 74-W -181  
 Cross Section -100.0 To 9999. %



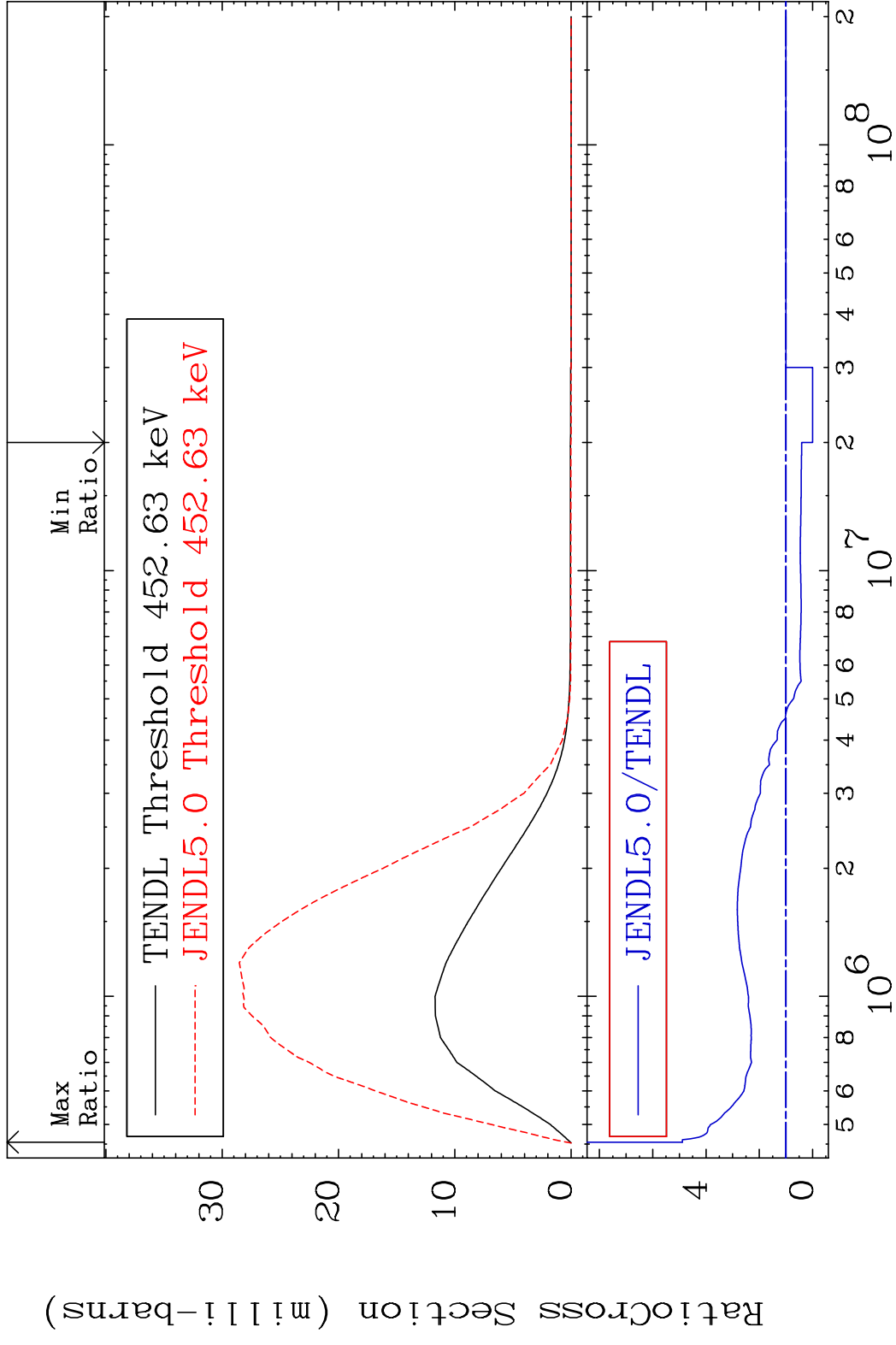
MAT 7428 MT= 55 (n,n') Level 74-W -181  
 Cross Section -100.0 To 1502. %



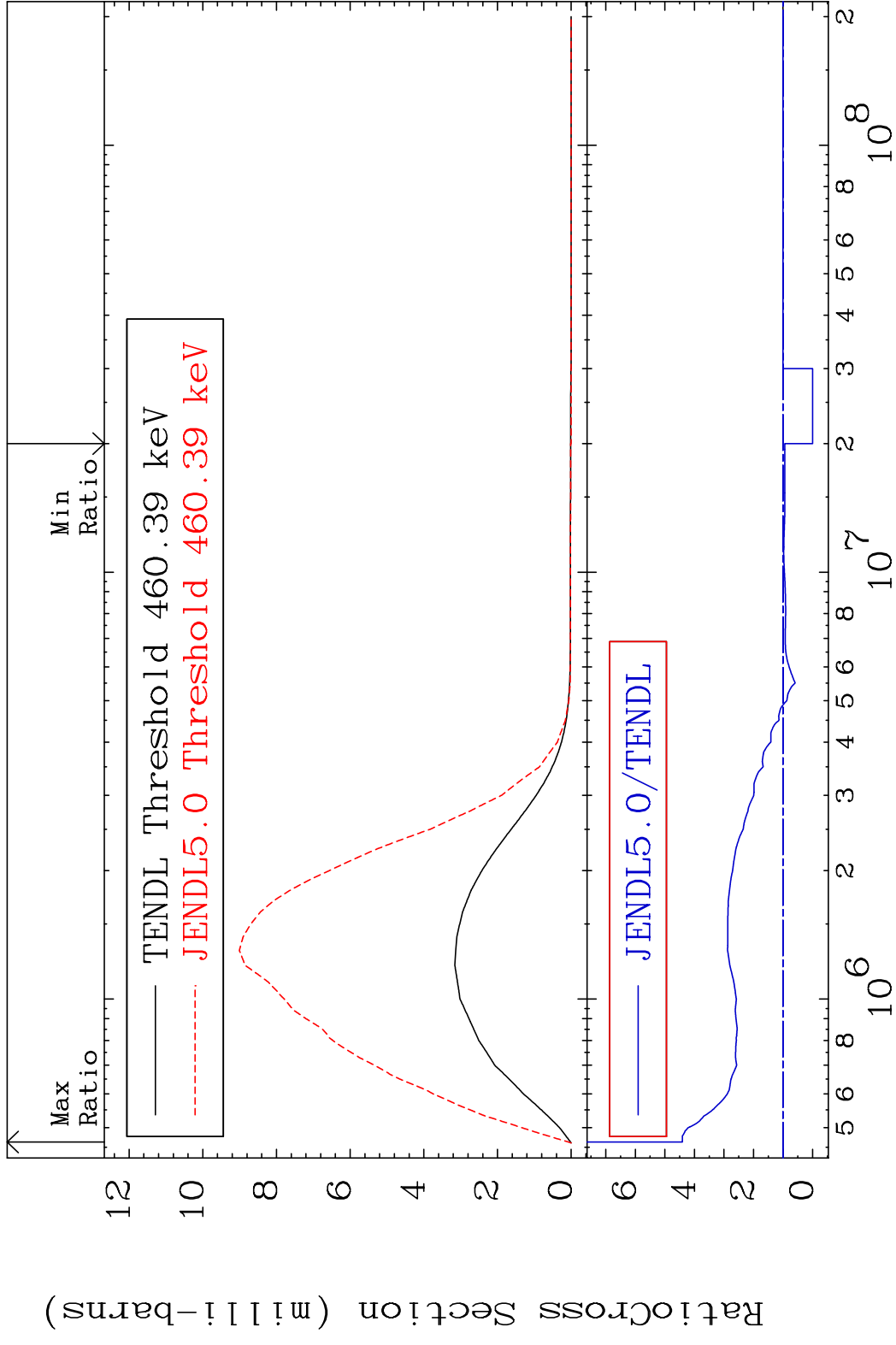
MAT 7428 MT= 56 (n, n') Level 74-W -181  
 Cross Section -100.0 To 2181. %



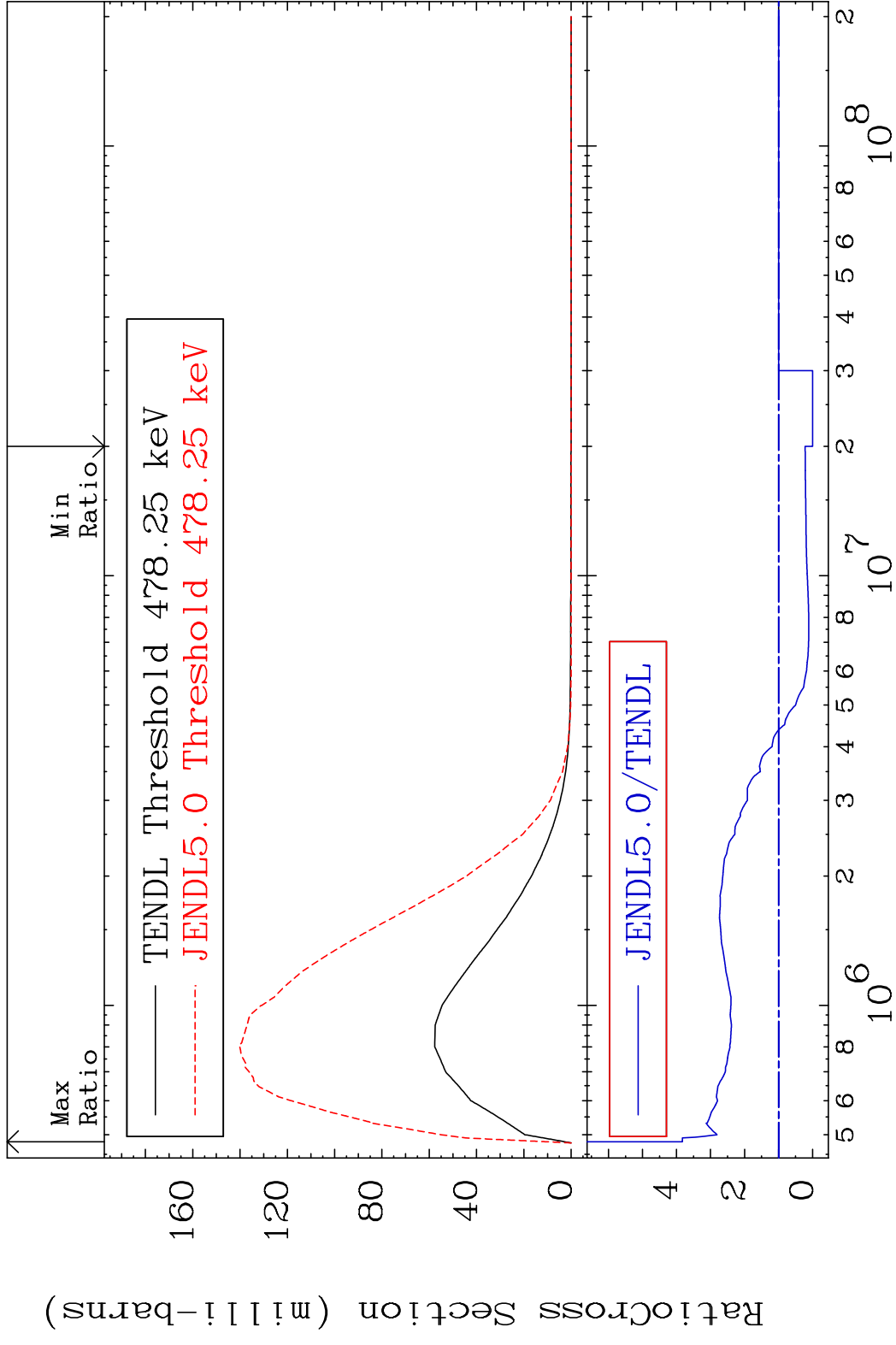
MAT 7428 MT= 57 (n, n') Level 74-W -181  
 Cross Section -100.0 To 388.9 %



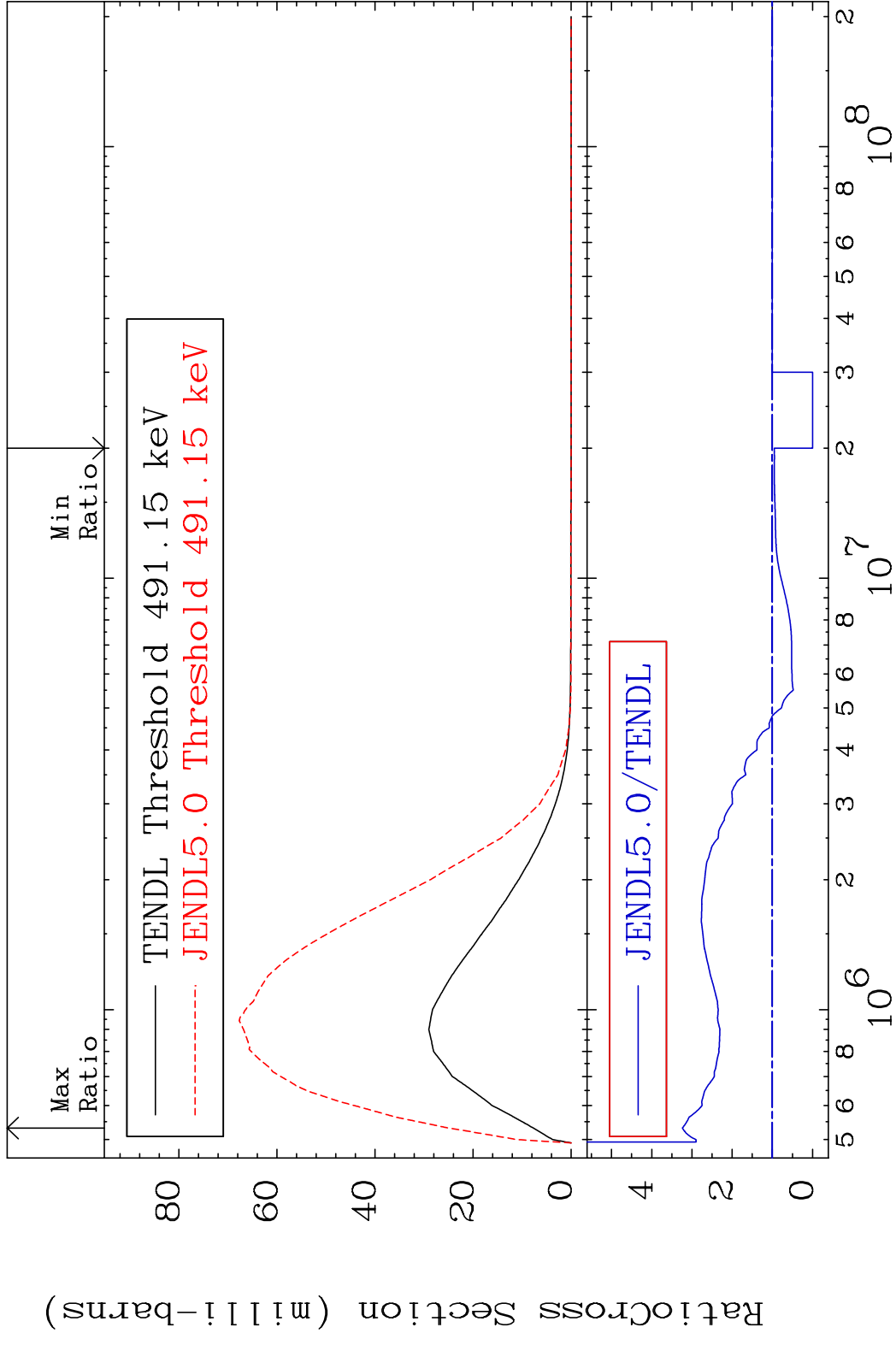
MAT 7428 MT= 58 (n, n') Level 74-W -181  
 Cross Section -100.0 To 340.9 %



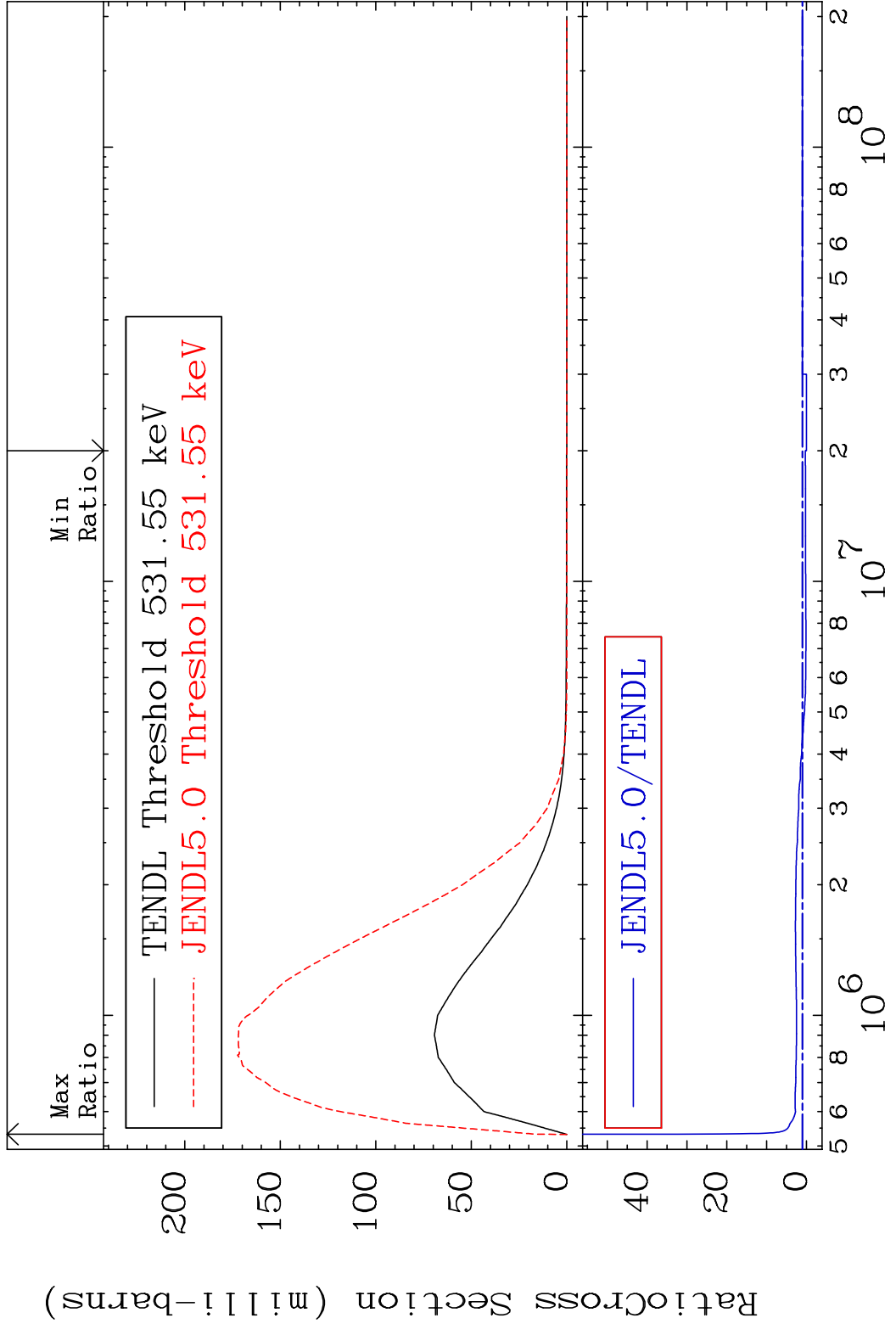
MAT 7428 MT= 59 (n, n') Level 74-W -181  
 Cross Section -100.0 To 282.8 %



MAT 7428 MT= 60 (n, n') Level 74-W -181  
 Cross Section -100.0 To 223.8 %

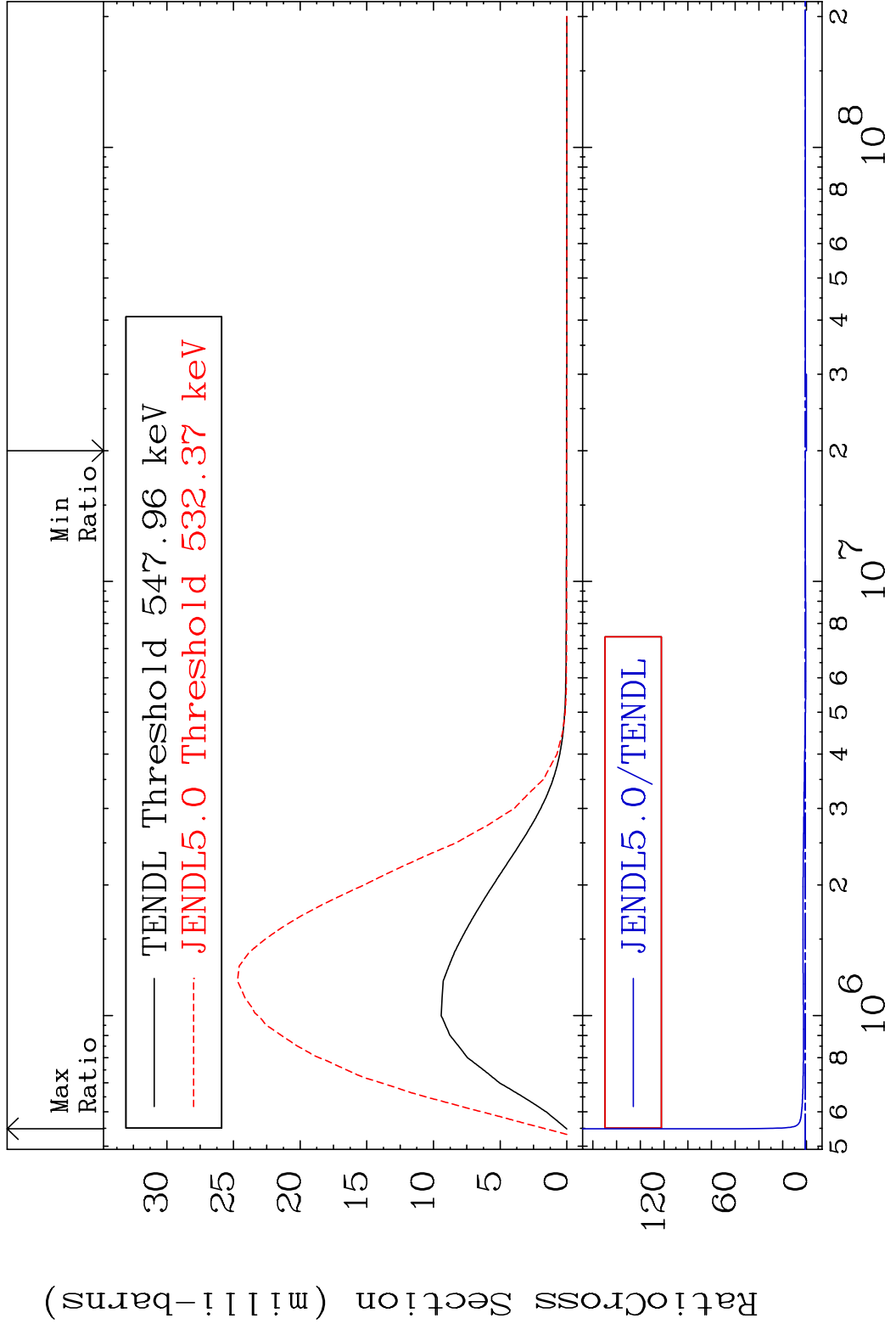


MAT 7428 MT= 61 (n, n') Level 74-W -181  
 Cross Section -100.0 To 3144. %

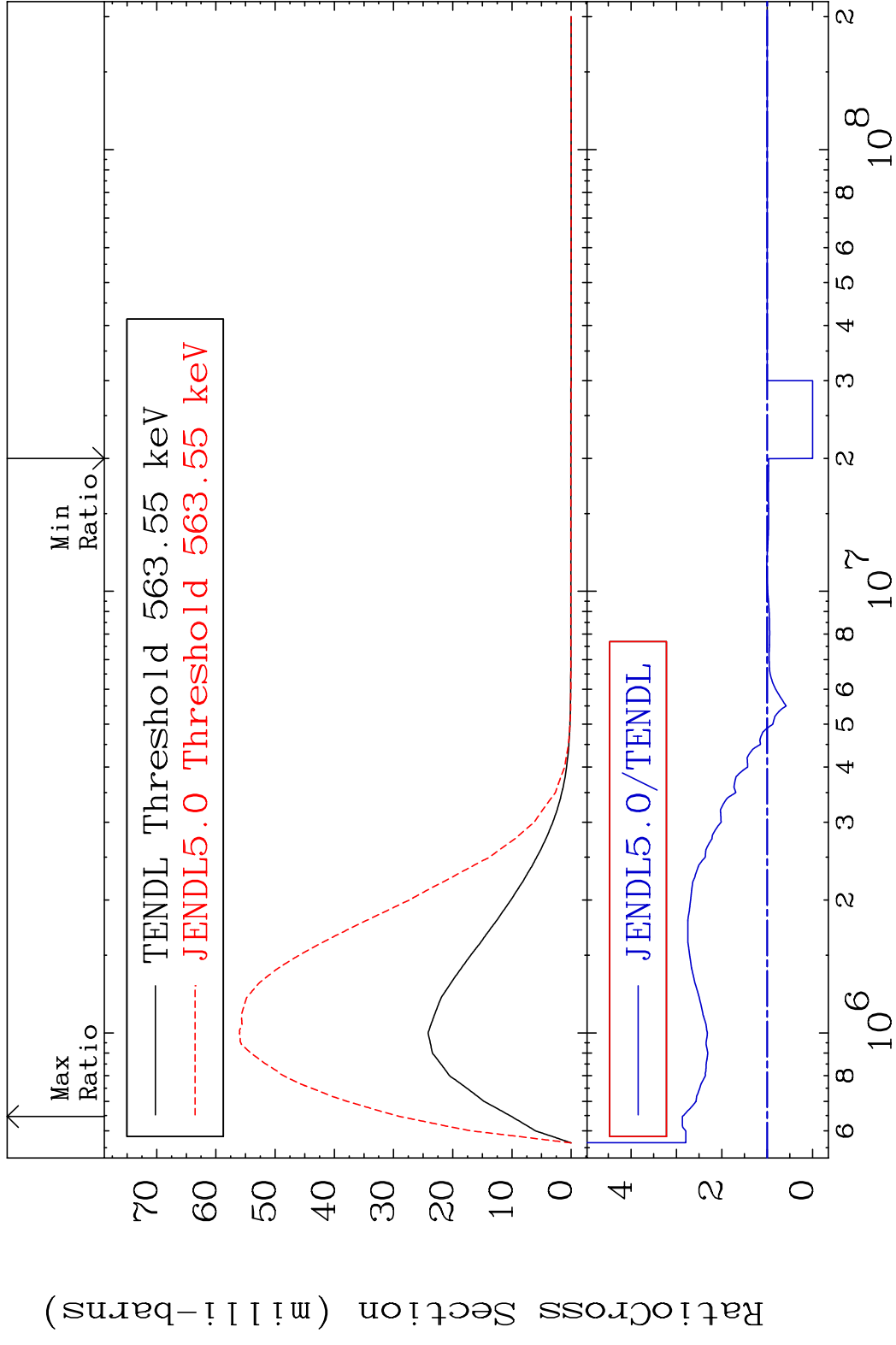




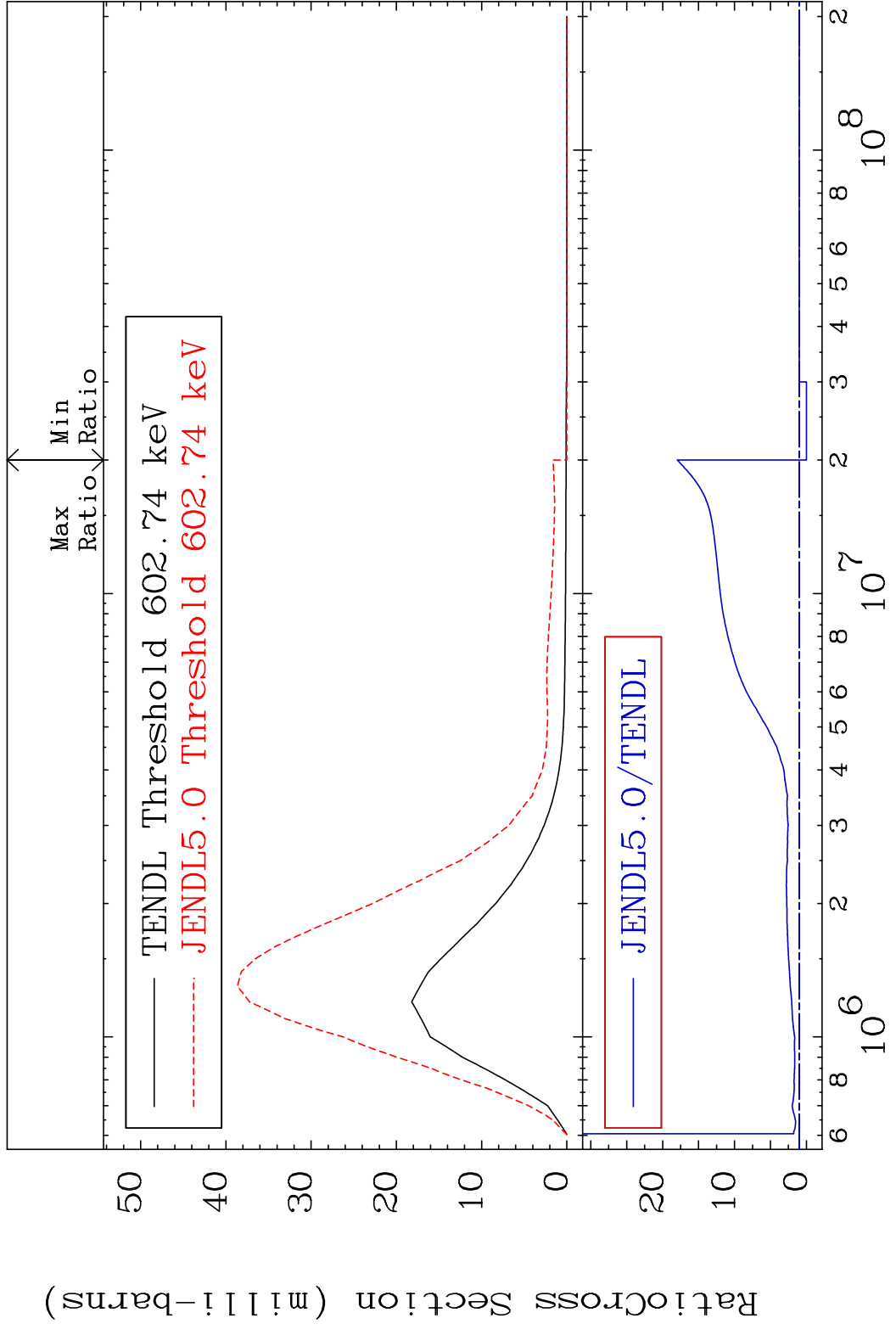
MAT 7428 MT= 62 (n, n') Level 74-W -181  
 Cross Section -100.0 To 9999. %



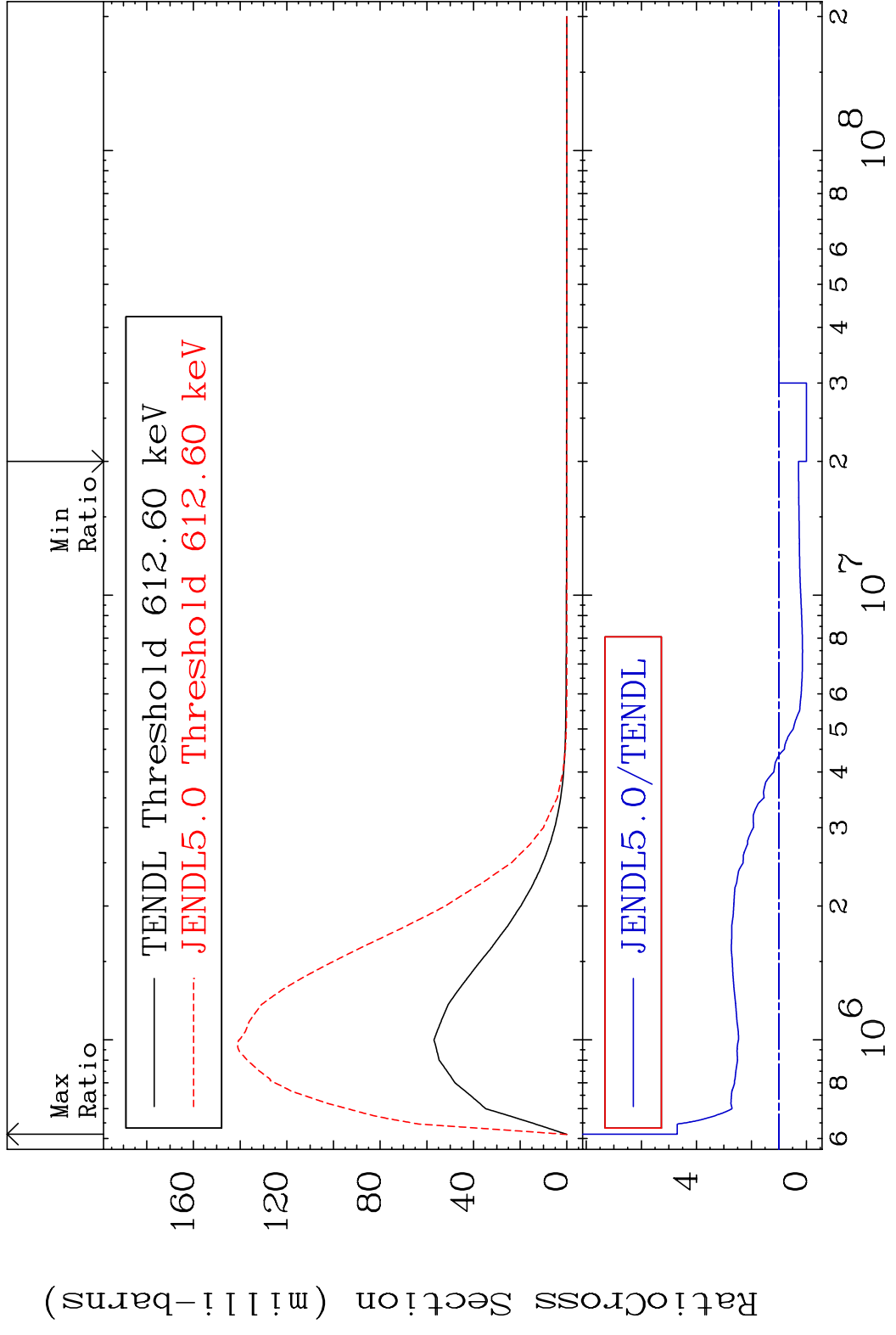
MAT 7428 MT= 63 (n, n') Level 74-W -181  
 Cross Section -100.0 To 186.9 %



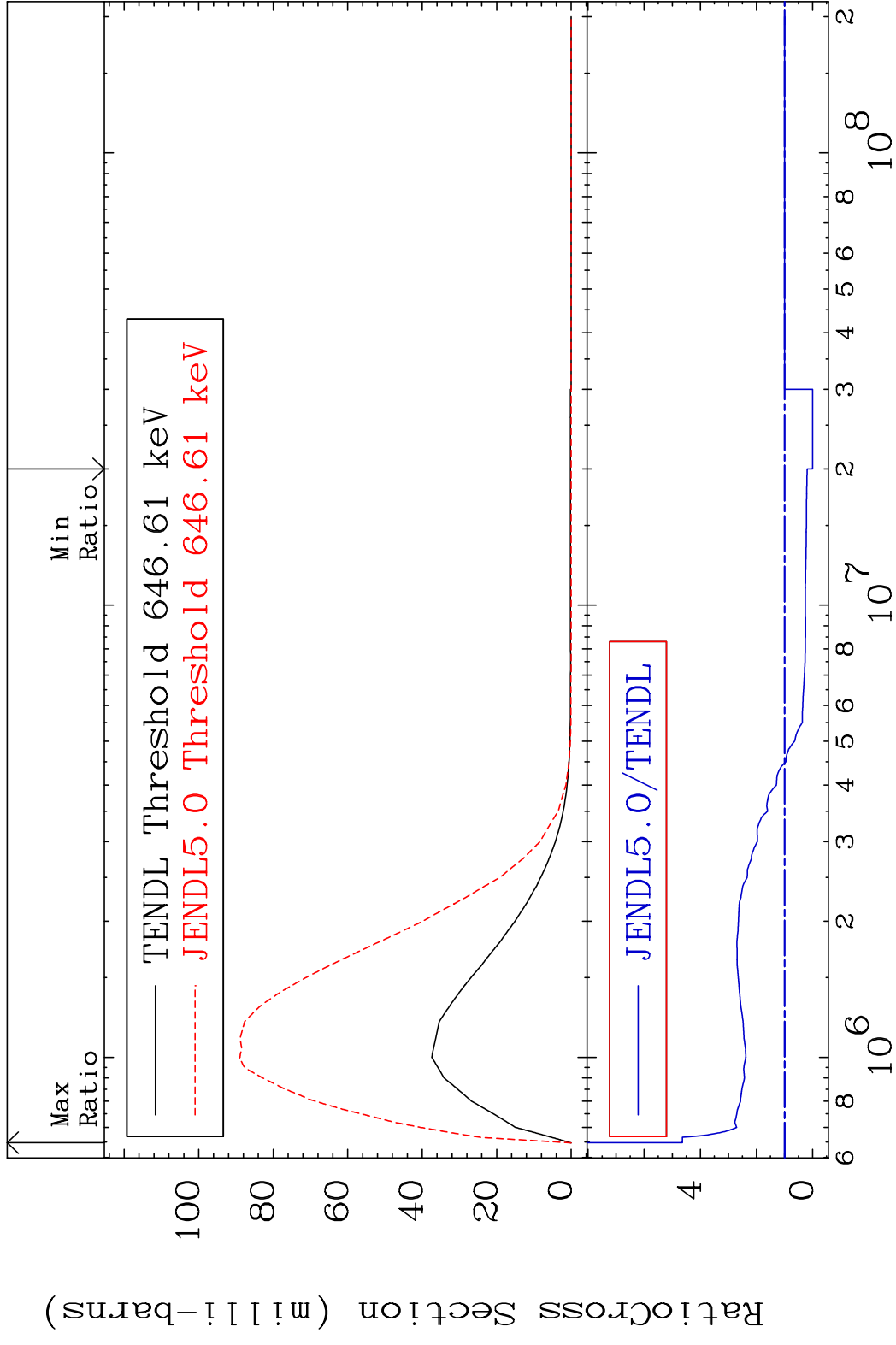
MAT 7428 MT= 64 (n, n') Level 74-W -181  
 Cross Section -100.0 To 1698. %



MAT 7428 MT= 65 (n, n') Level 74-W -181  
 Cross Section -100.0 To 369.8 %

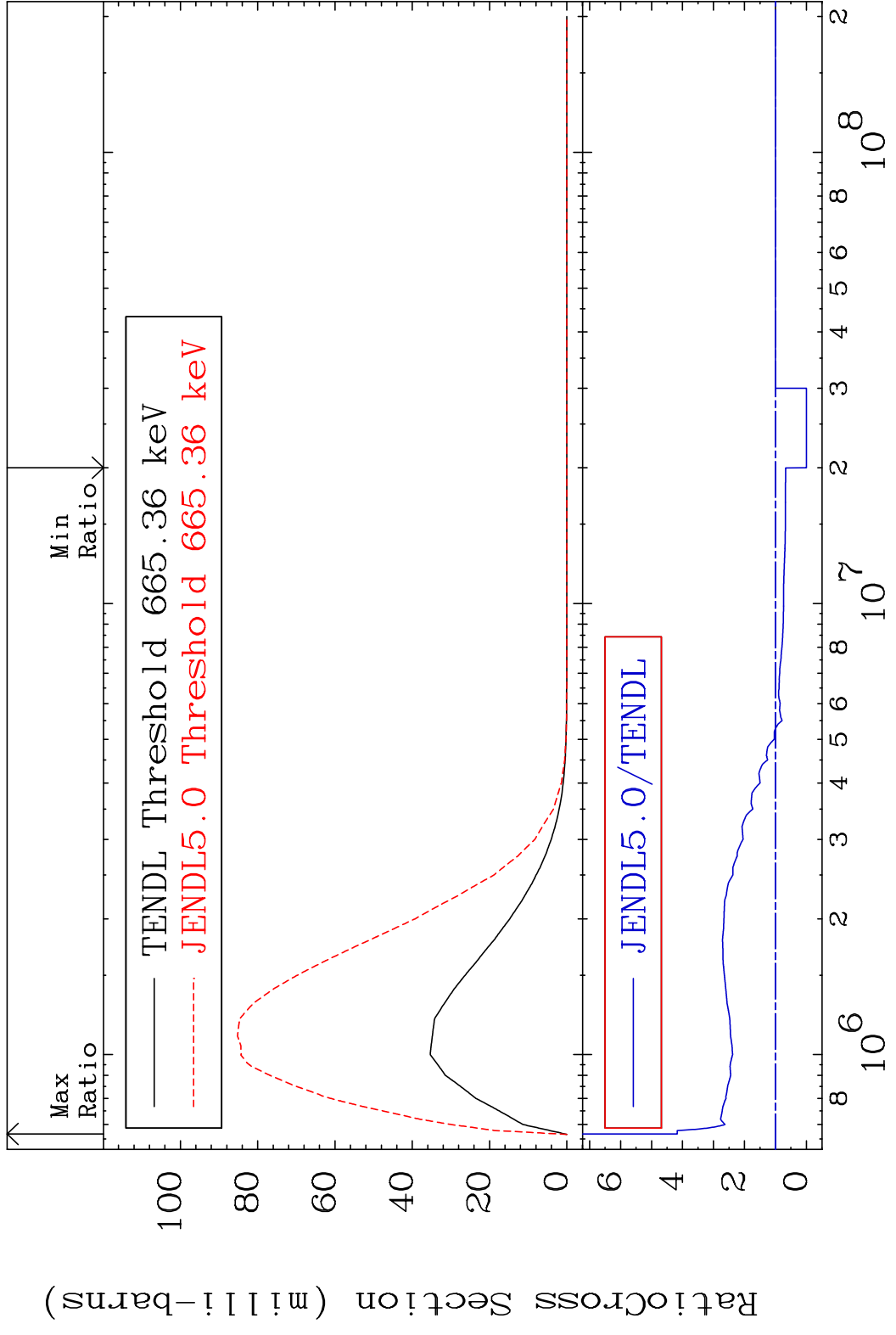


MAT 7428 MT= 66 (n, n') Level 74-W -181  
 Cross Section -100.0 To 364.0 %

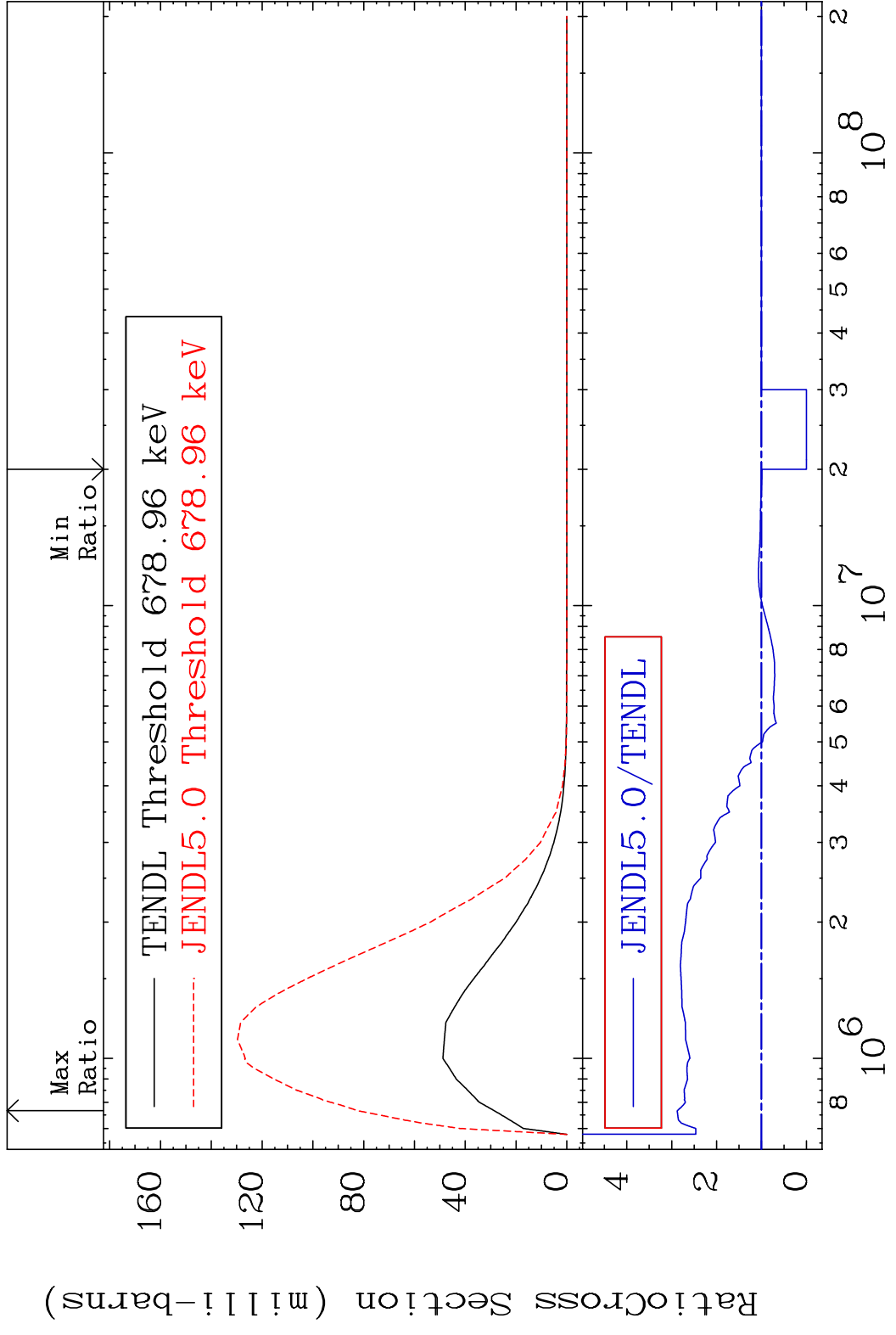


28 Incident Energy (eV) 74-W -181

MAT 7428 MT= 67 (n, n') Level 74-W -181  
 Cross Section -100.0 To 317.2 %

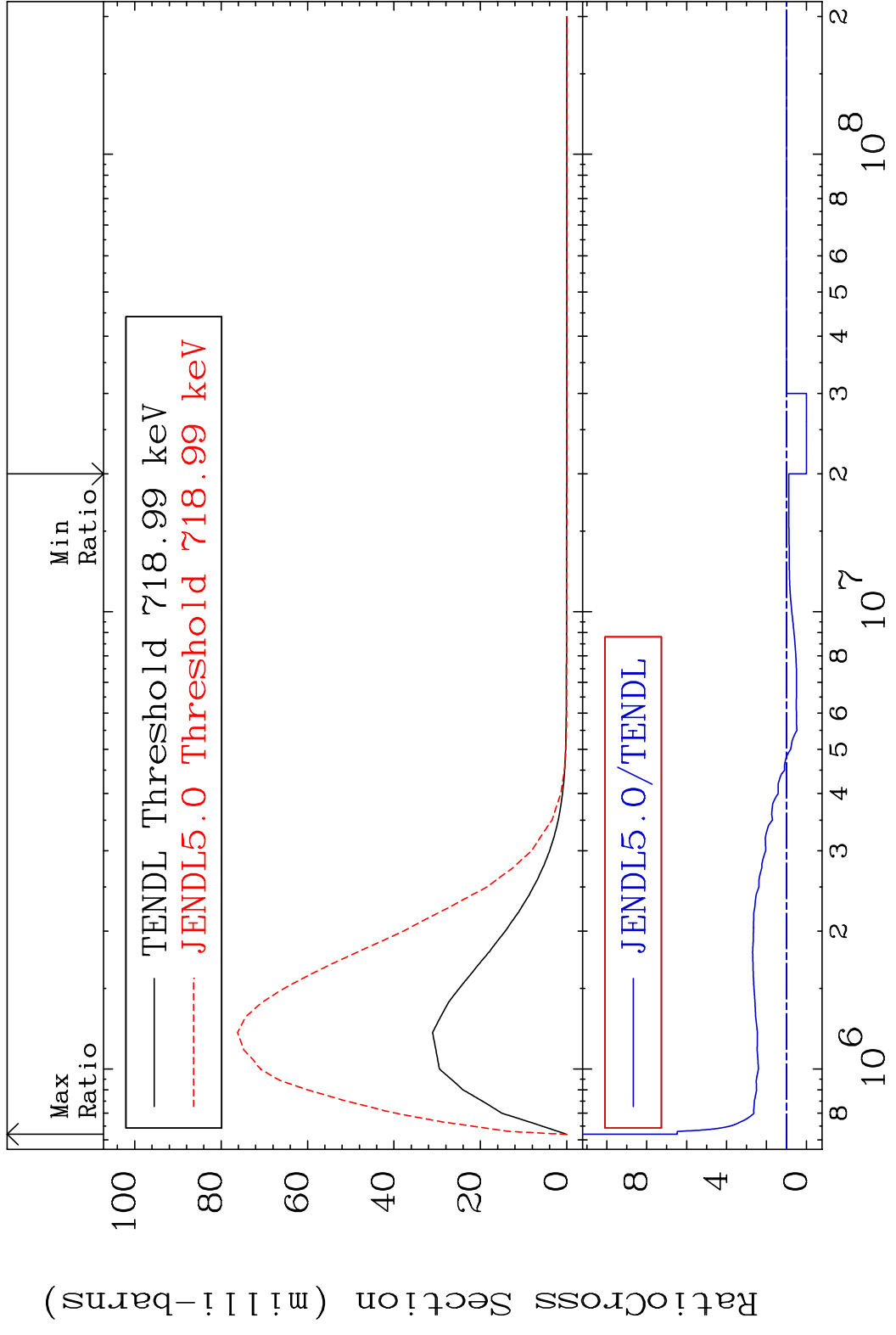


MAT 7428 MT= 68 (n, n') Level 74-W -181  
 Cross Section -100.0 To 187.8 %



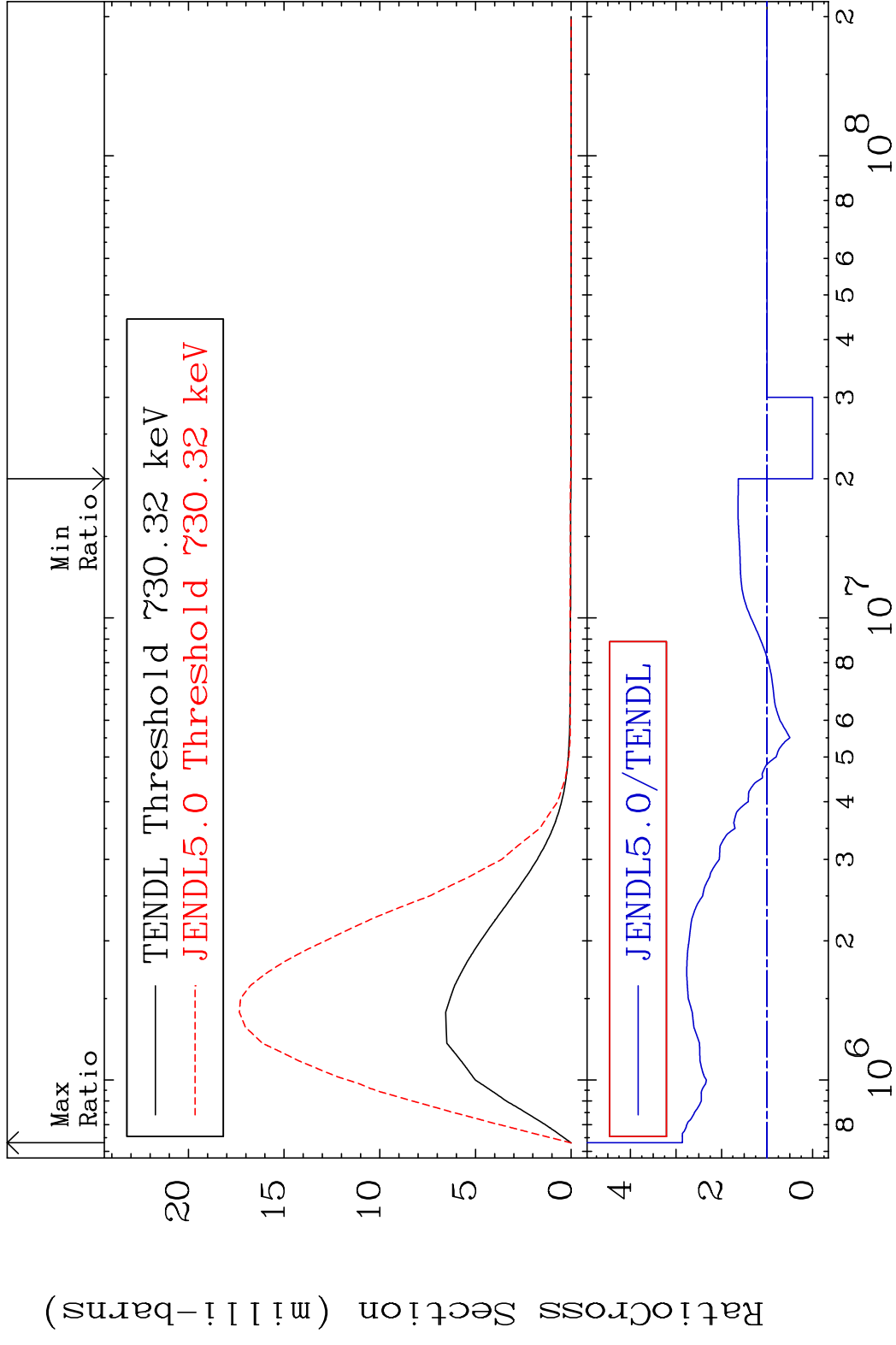
30 Incident Energy (eV) 74-W -181

MAT 7428 MT= 69 (n, n') Level 74-W -181  
 Cross Section -100.0 To 547.3 %

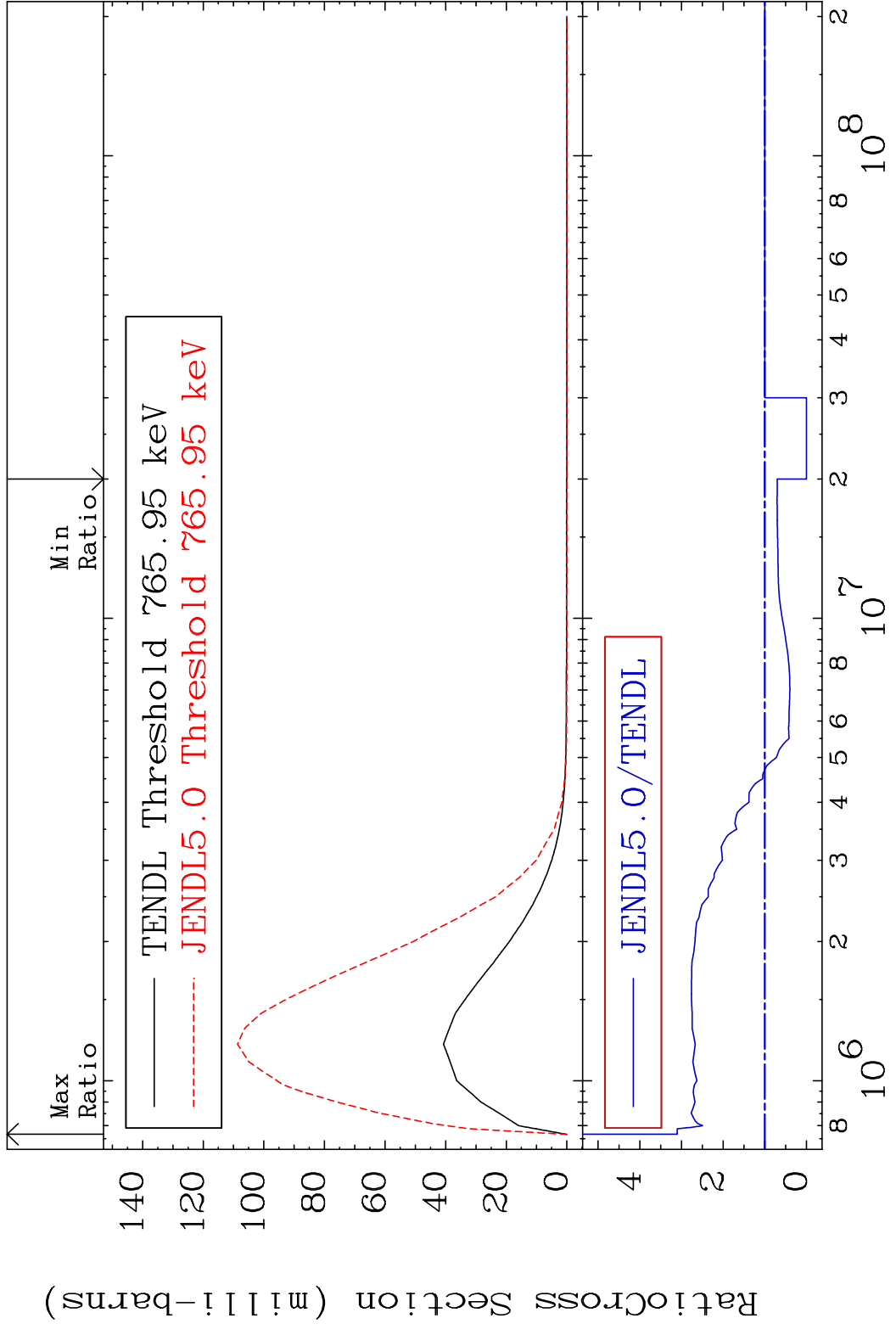




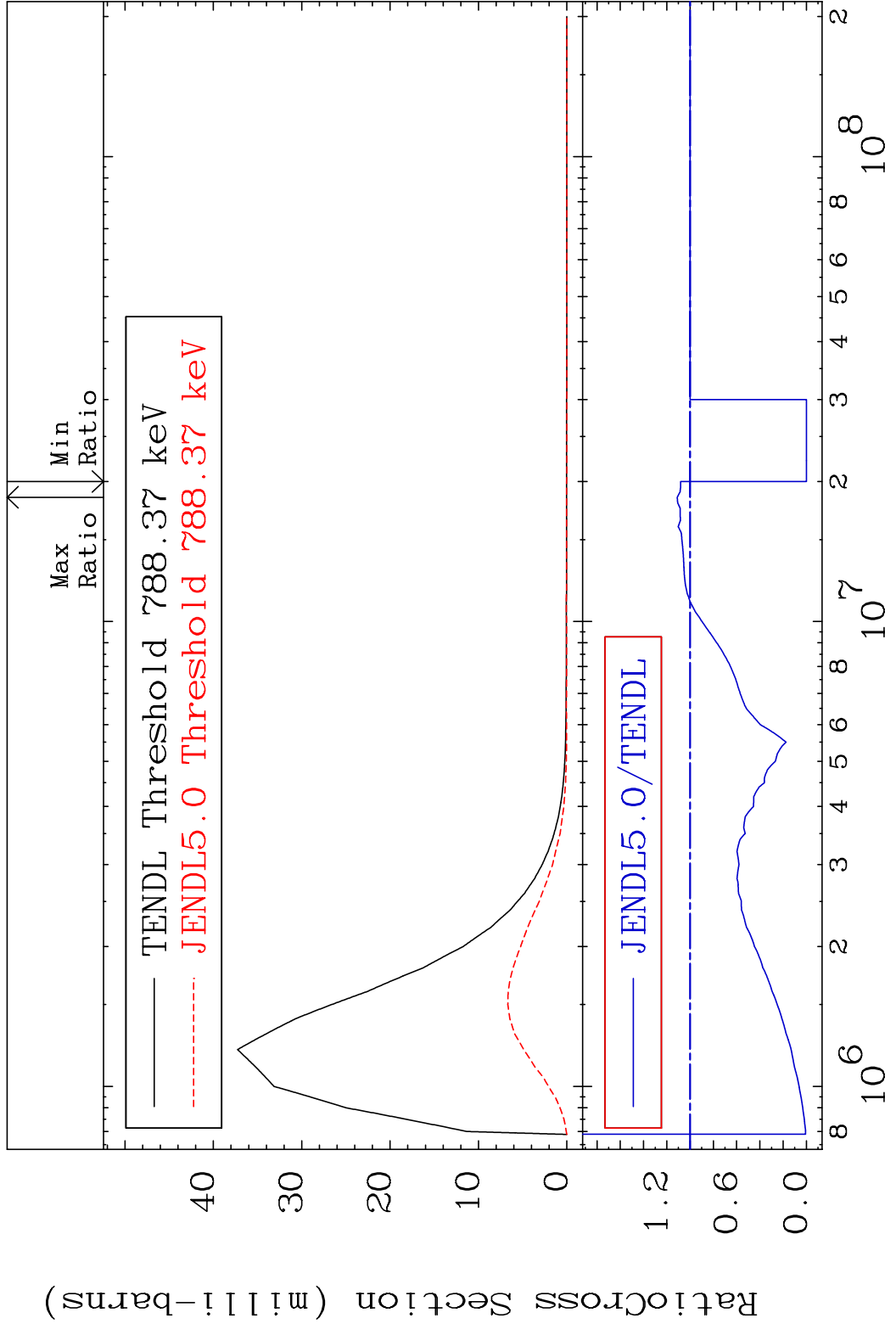
MAT 7428 MT= 70 (n, n') Level 74-W -181  
 Cross Section -100.0 To 186.0 %



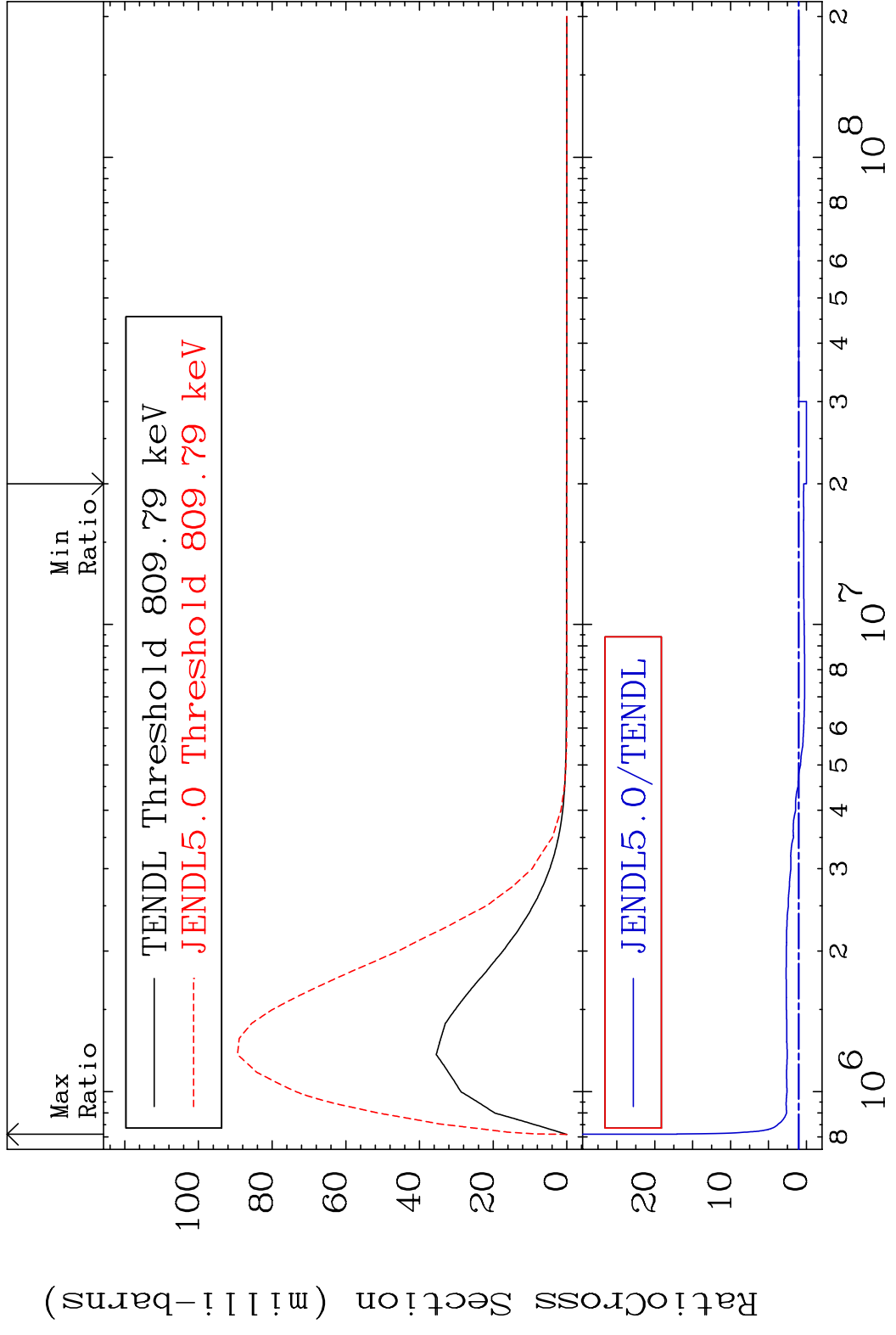
MAT 7428 MT= 71 (n, n') Level 74-W -181  
 Cross Section -100.0 To 210.2 %



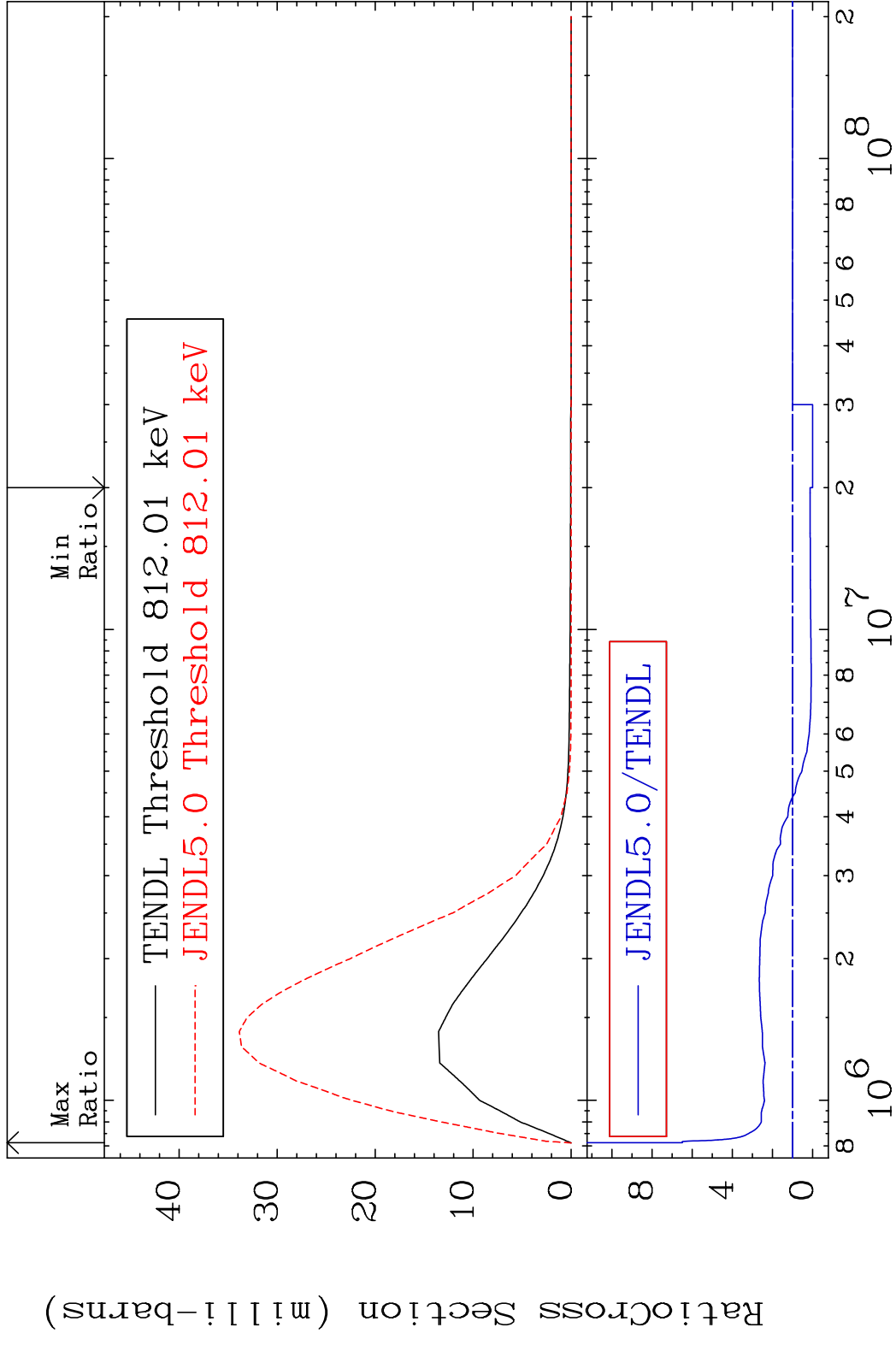
MAT 7428 MT= 72 (n, n') Level 74-W -181  
 Cross Section -100.0 To 11.07 %



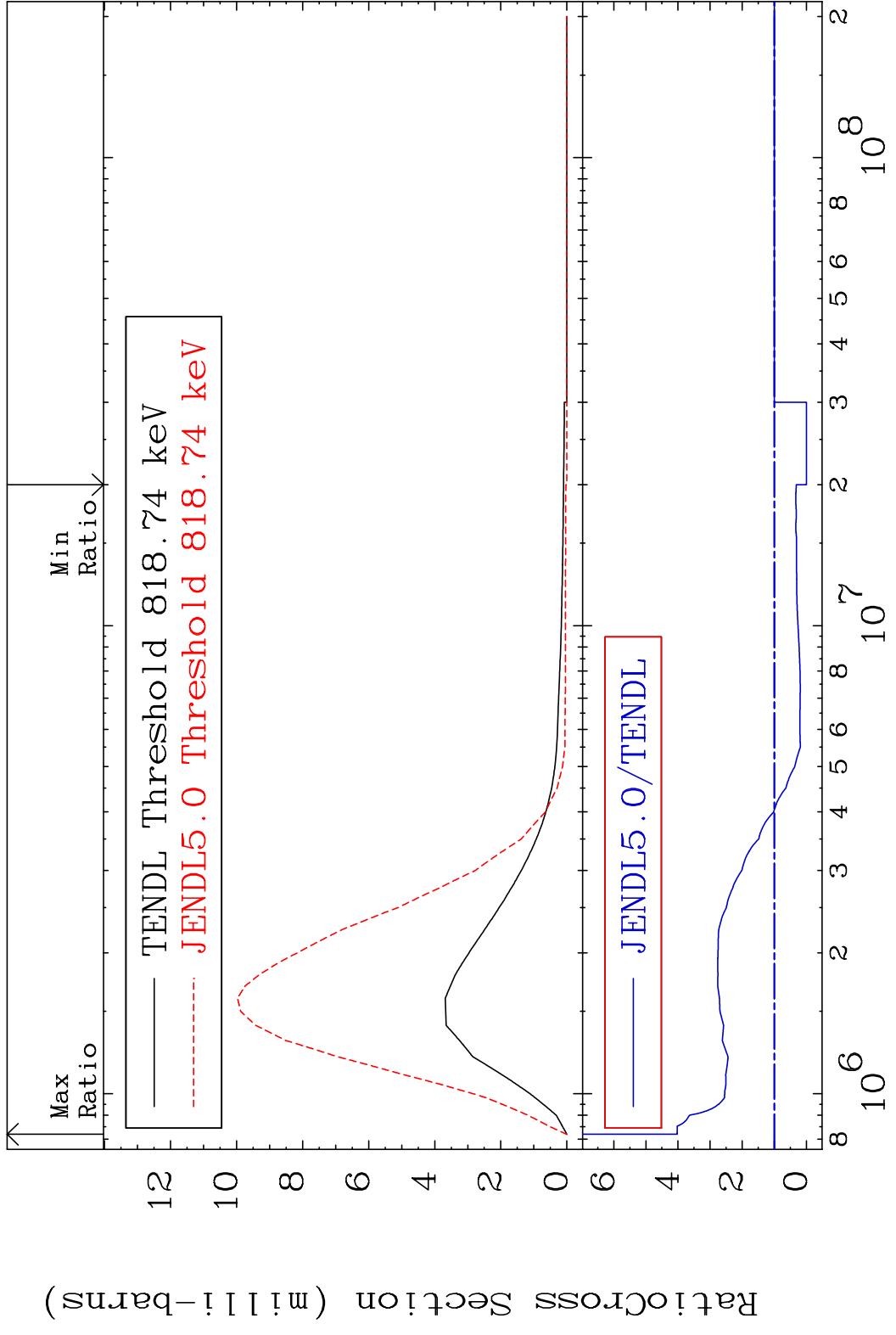
MAT 7428 MT= 73 (n, n') Level 74-W -181  
 Cross Section -100.0 To 1604. %



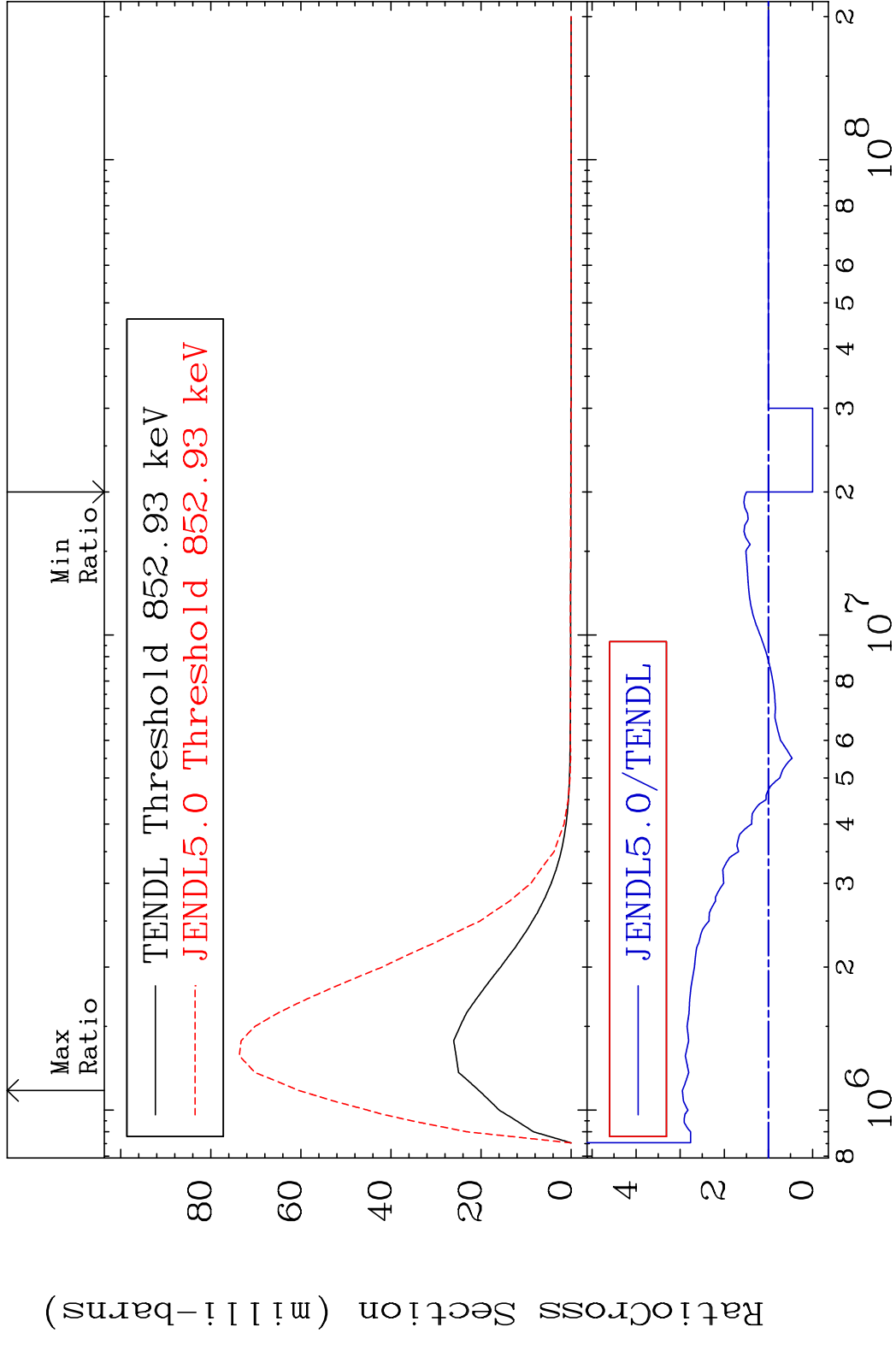
MAT 7428 MT= 74 (n, n') Level 74-W -181  
 Cross Section -100.0 To 549.0 %



MAT 7428 MT= 75 (n, n') Level 74-W -181  
 Cross Section -100.0 To 302.5 %

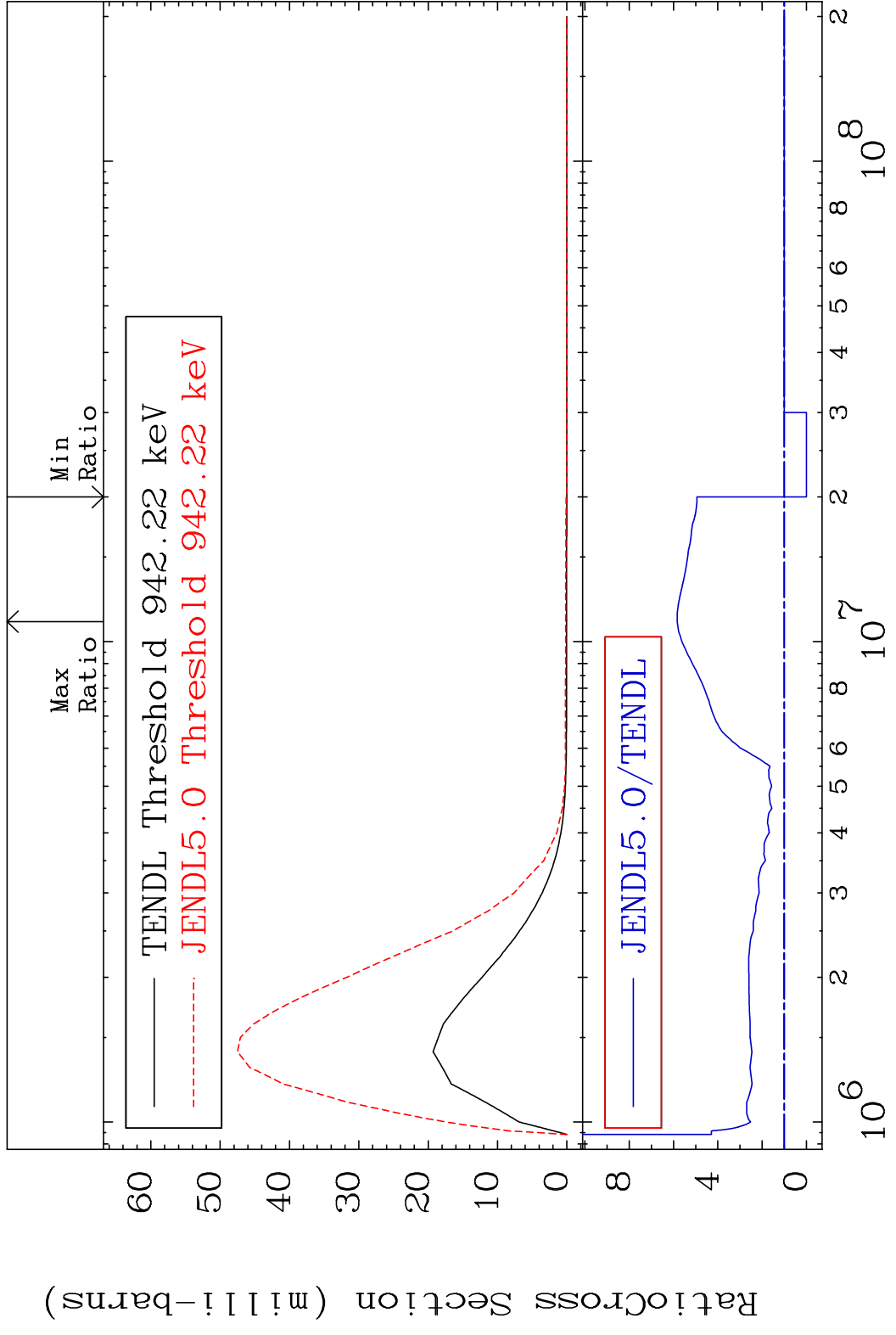


MAT 7428 MT= 76 (n, n') Level 74-W -181  
 Cross Section -100.0 To 195.2 %



38 Incident Energy (eV) 74-W -181

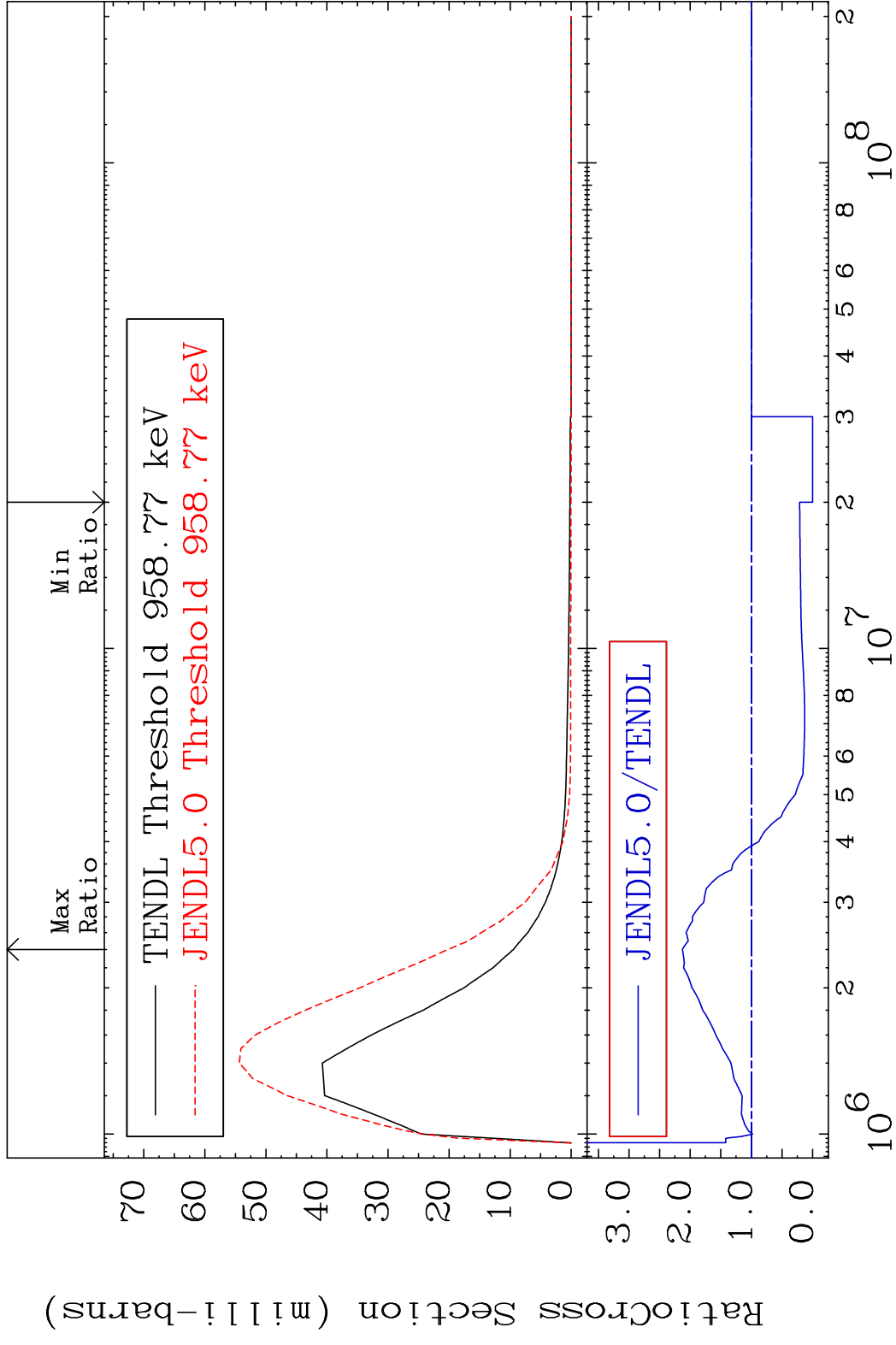
MAT 7428 MT= 77 (n, n') Level 74-W -181  
 Cross Section -100.0 To 483.5 %



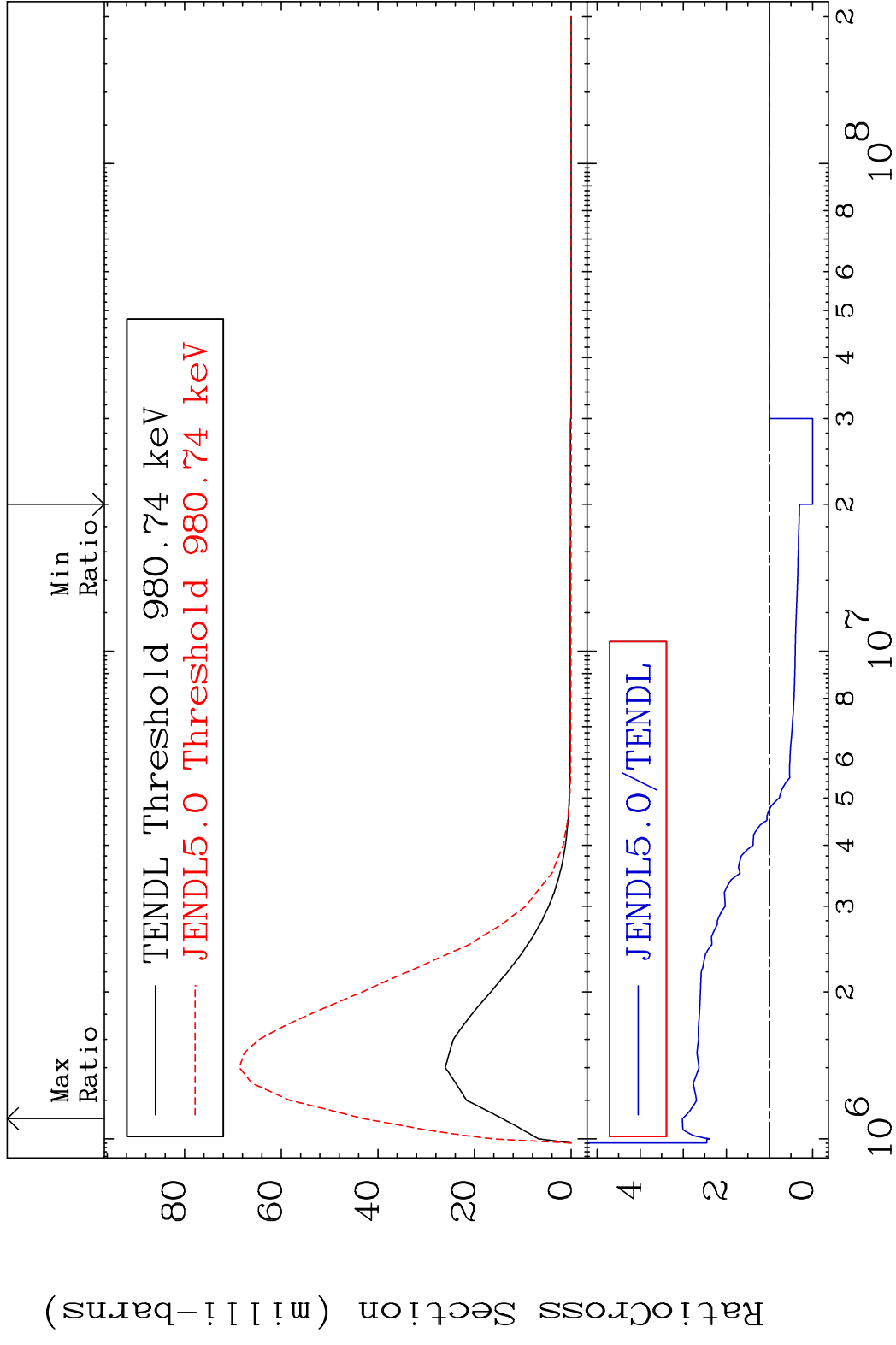
39 Incident Energy (eV) 74-W -181



MAT 7428 MT= 78 (n, n') Level 74-W -181  
 Cross Section -100.0 To 112.8 %

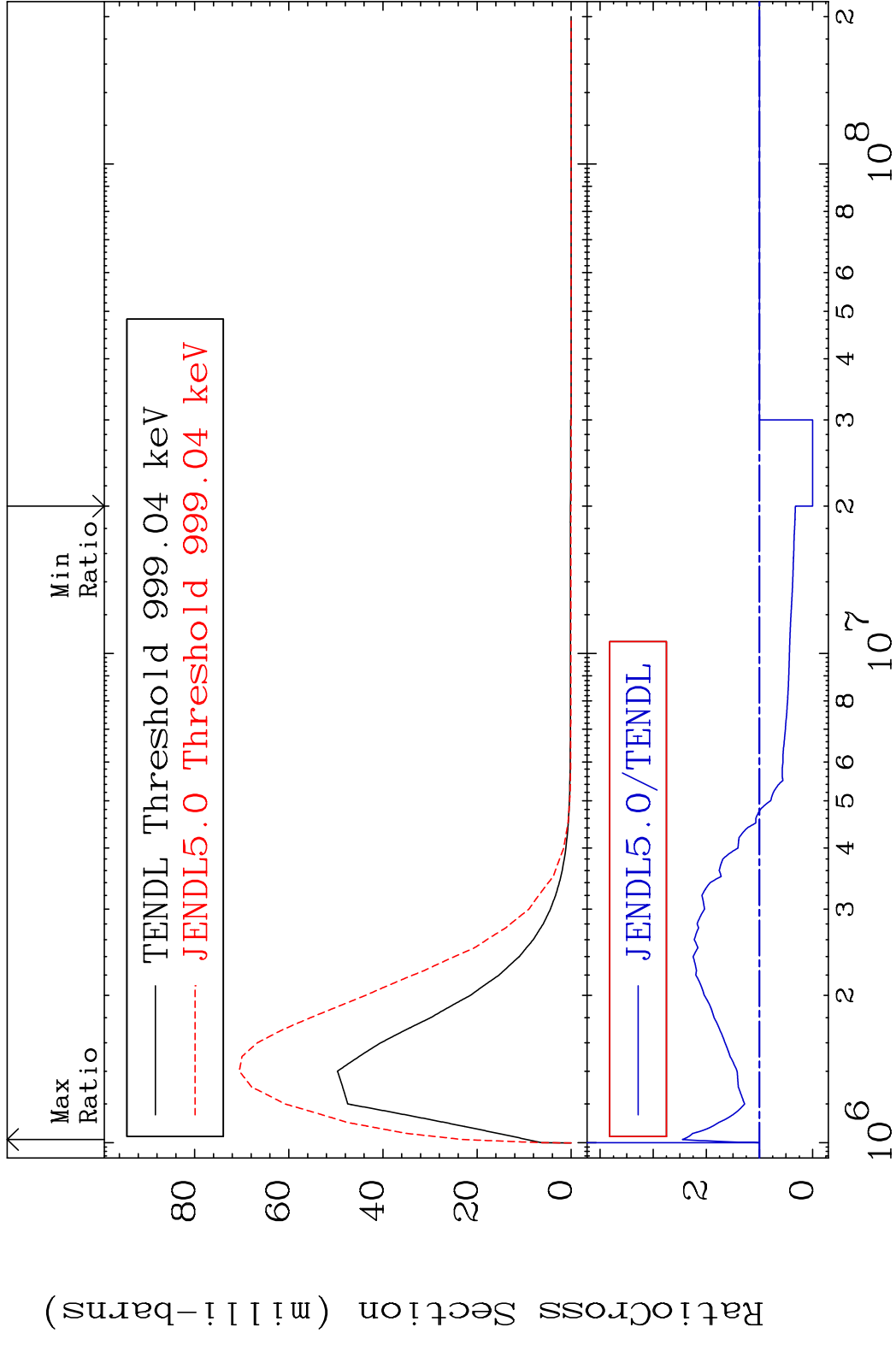


MAT 7428 MT= 79 (n, n') Level 74-W -181  
 Cross Section -100.0 To 202.0 %



41 Incident Energy (eV) 74-W -181

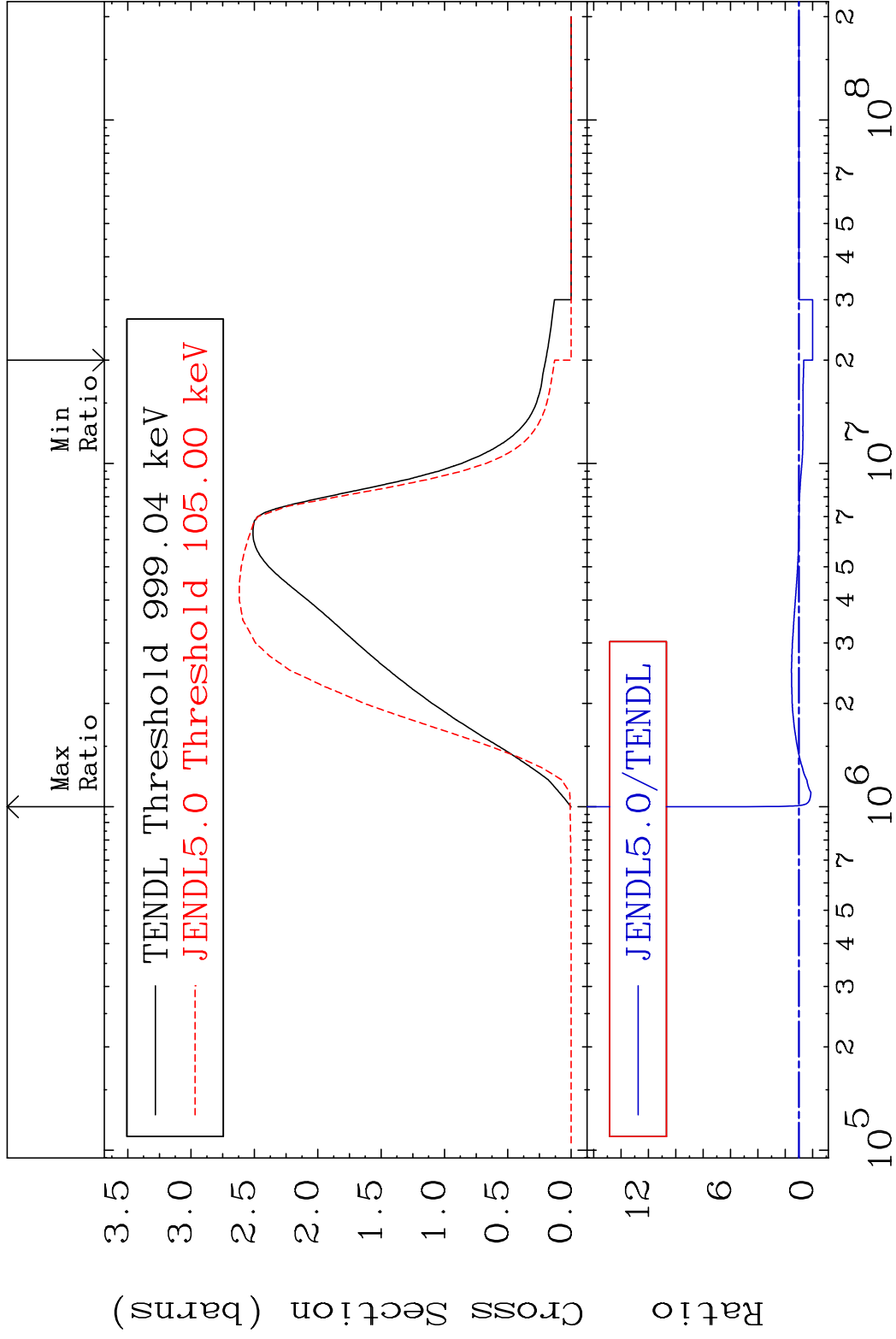
MAT 7428 MT= 80 (n, n') Level 74-W -181  
Cross Section -100.0 To 145.2 %



42 Incident Energy (eV) 74-W -181

MAT 7428

(n, n') Continuum 74-W -181  
Cross Section -100.0 To 851.5 %



43

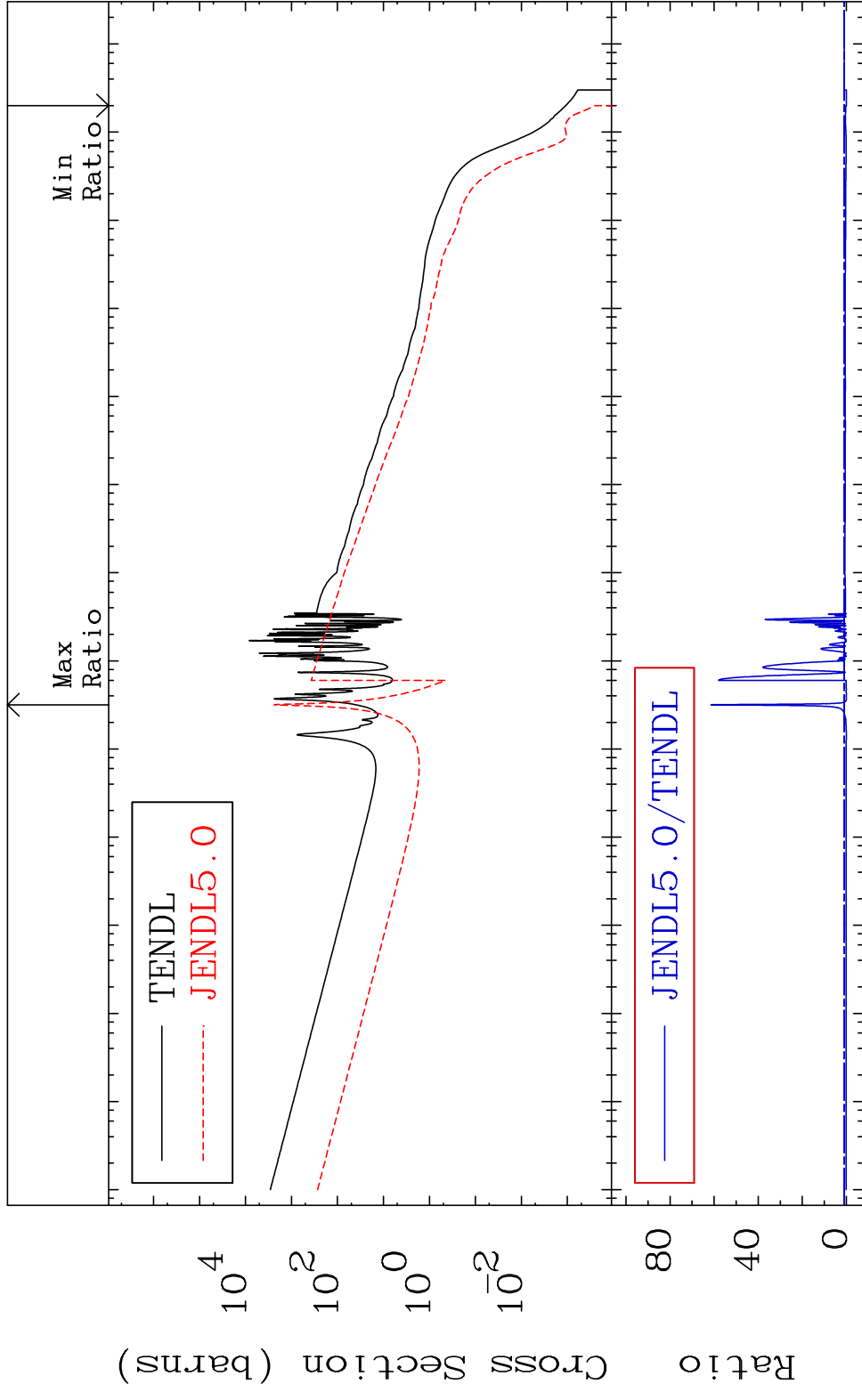
Incident Energy (eV)

74-W -181

MAT 7428

74-W -181

(n,  $\gamma$ )  
Cross Section -100.0 To 6055. %



44

Incident Energy (eV)

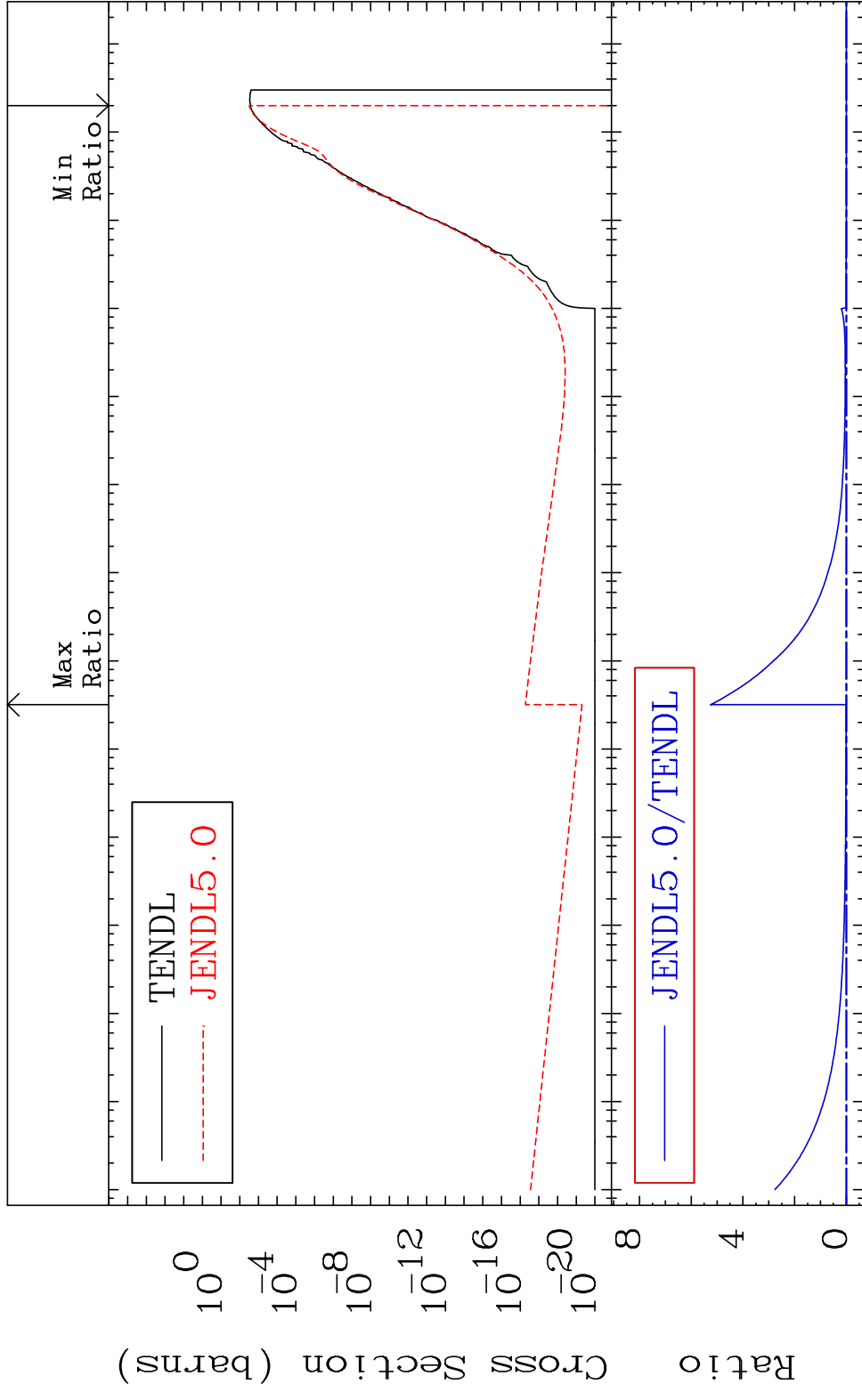
74-W -181

MAT 7428

(n, p)

74-W -181

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

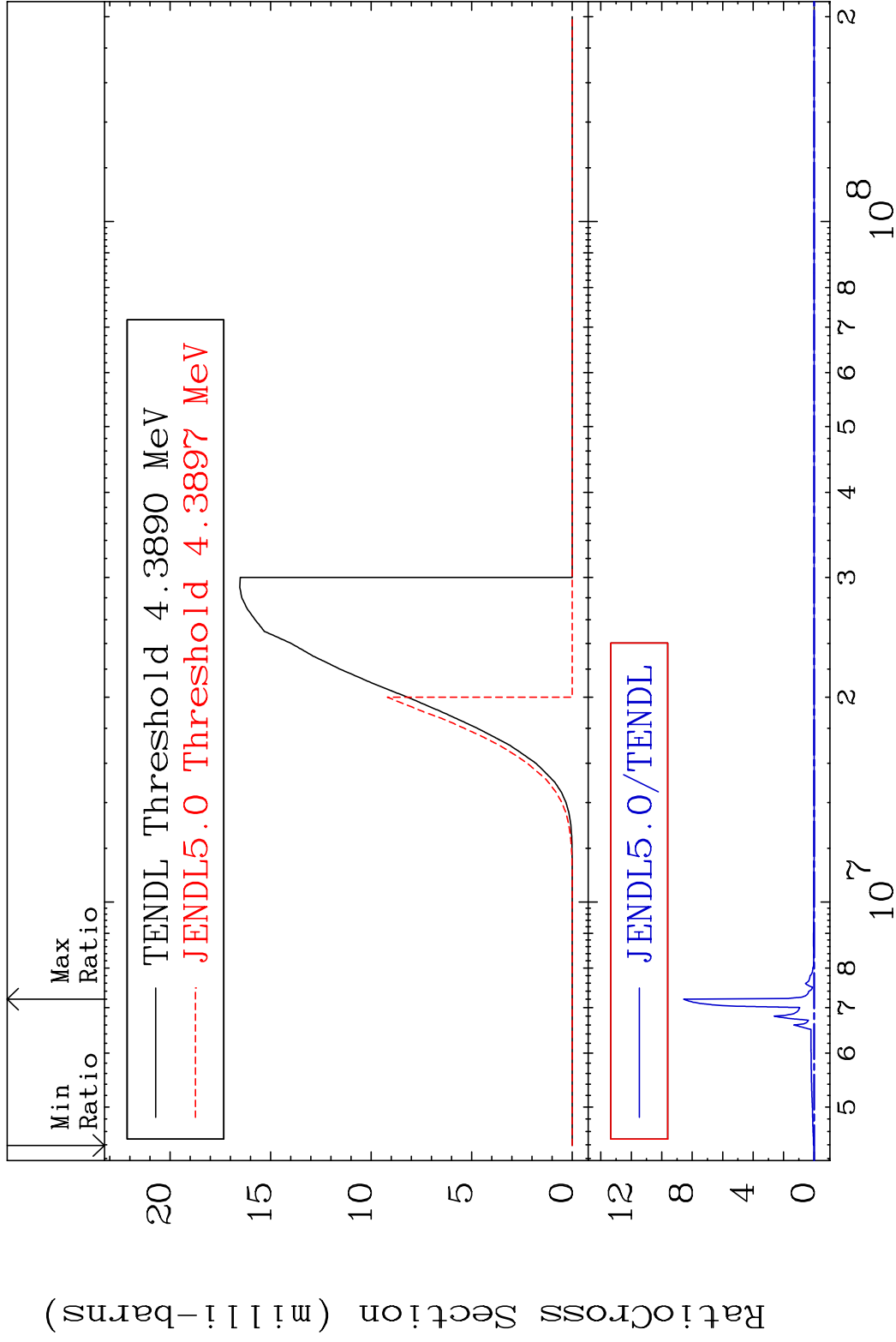
74-W -181

MAT 7428

(n,d)

74-W -181

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

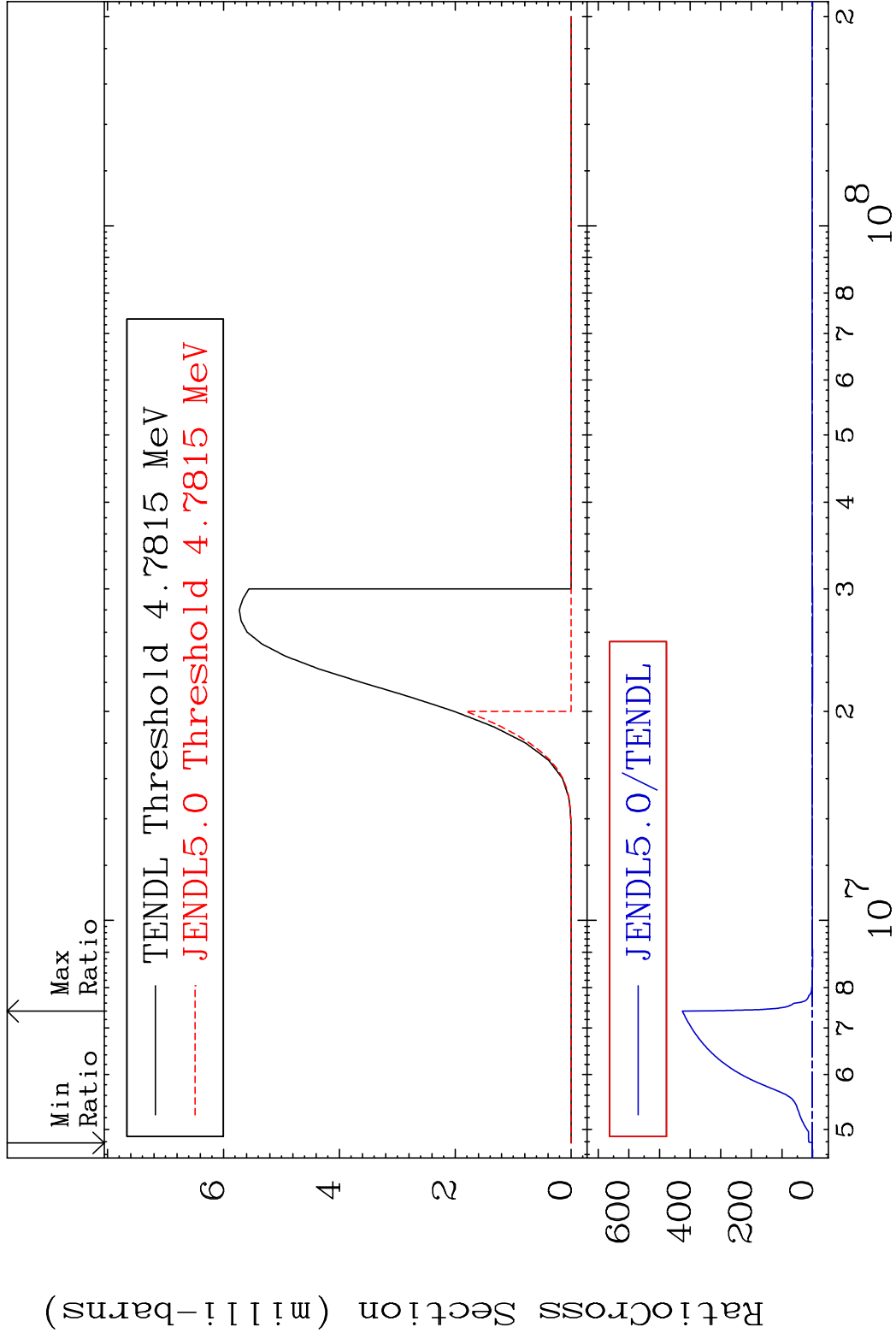
74-W -181

MAT 7428

(n, t)

74-W -181

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

74-W -181

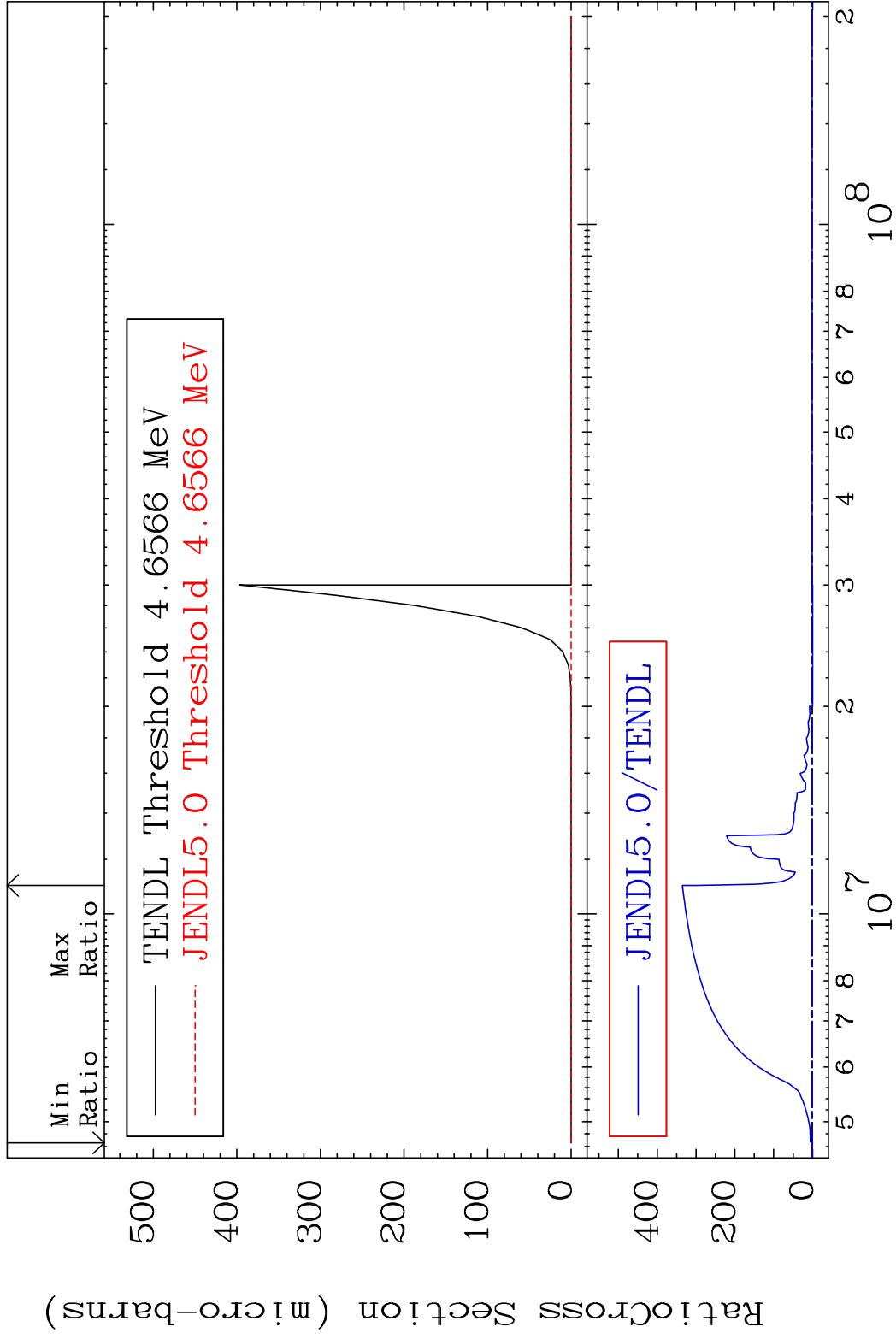


MAT 7428

(n, He-3)

74-W -181

Cross Section -100.0 To 9999. %



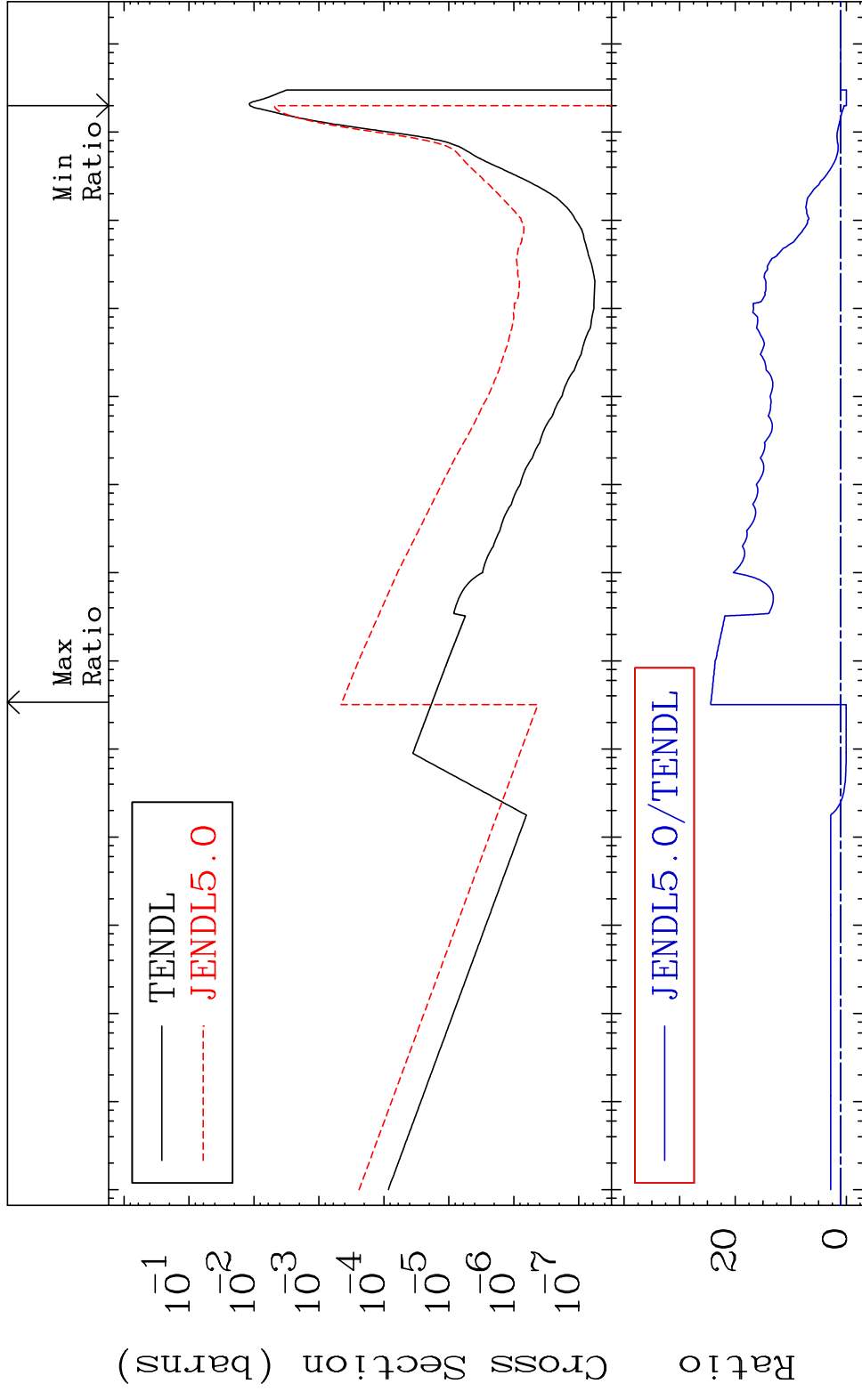
48

Incident Energy (eV)

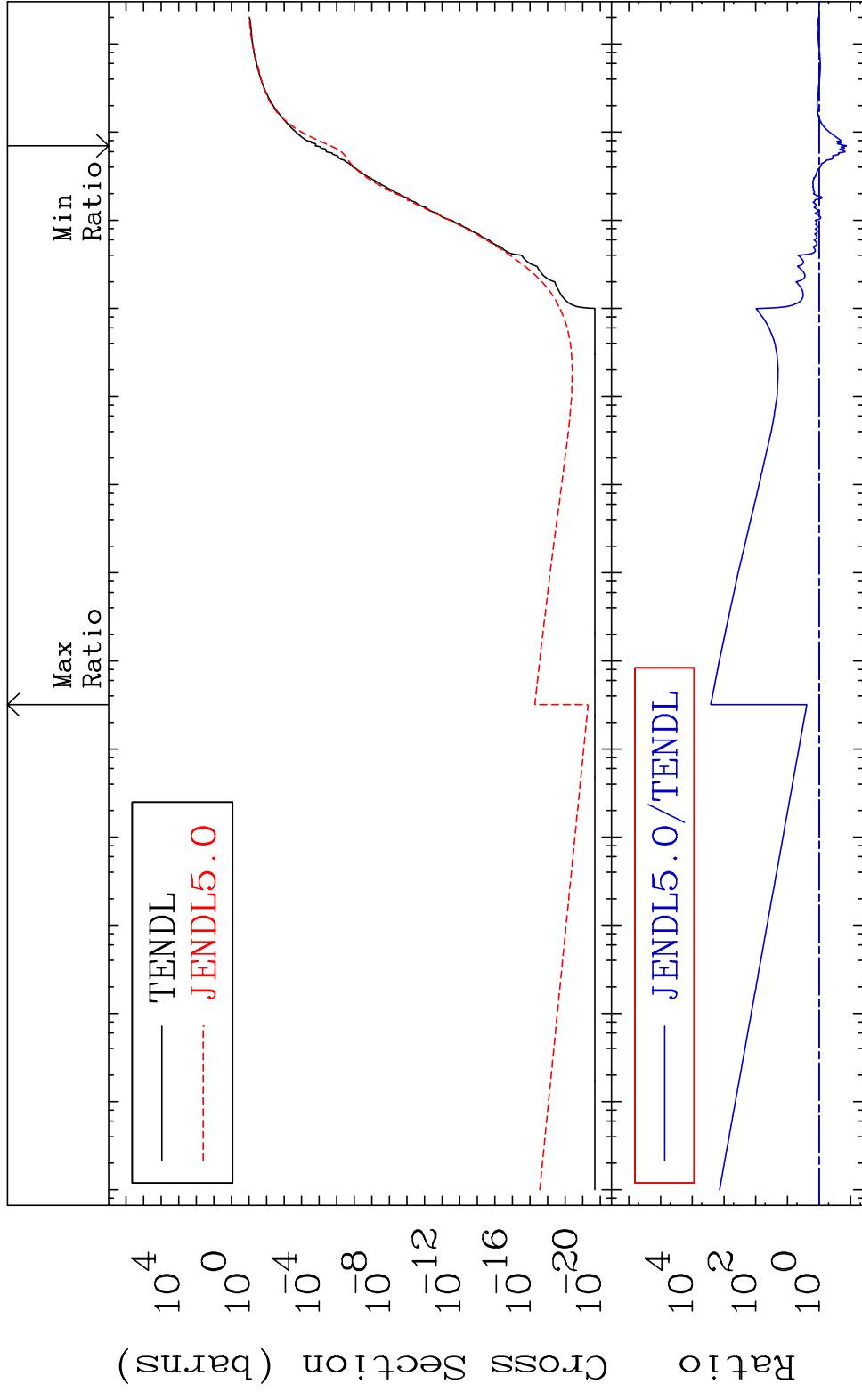
74-W -181

MAT 7428

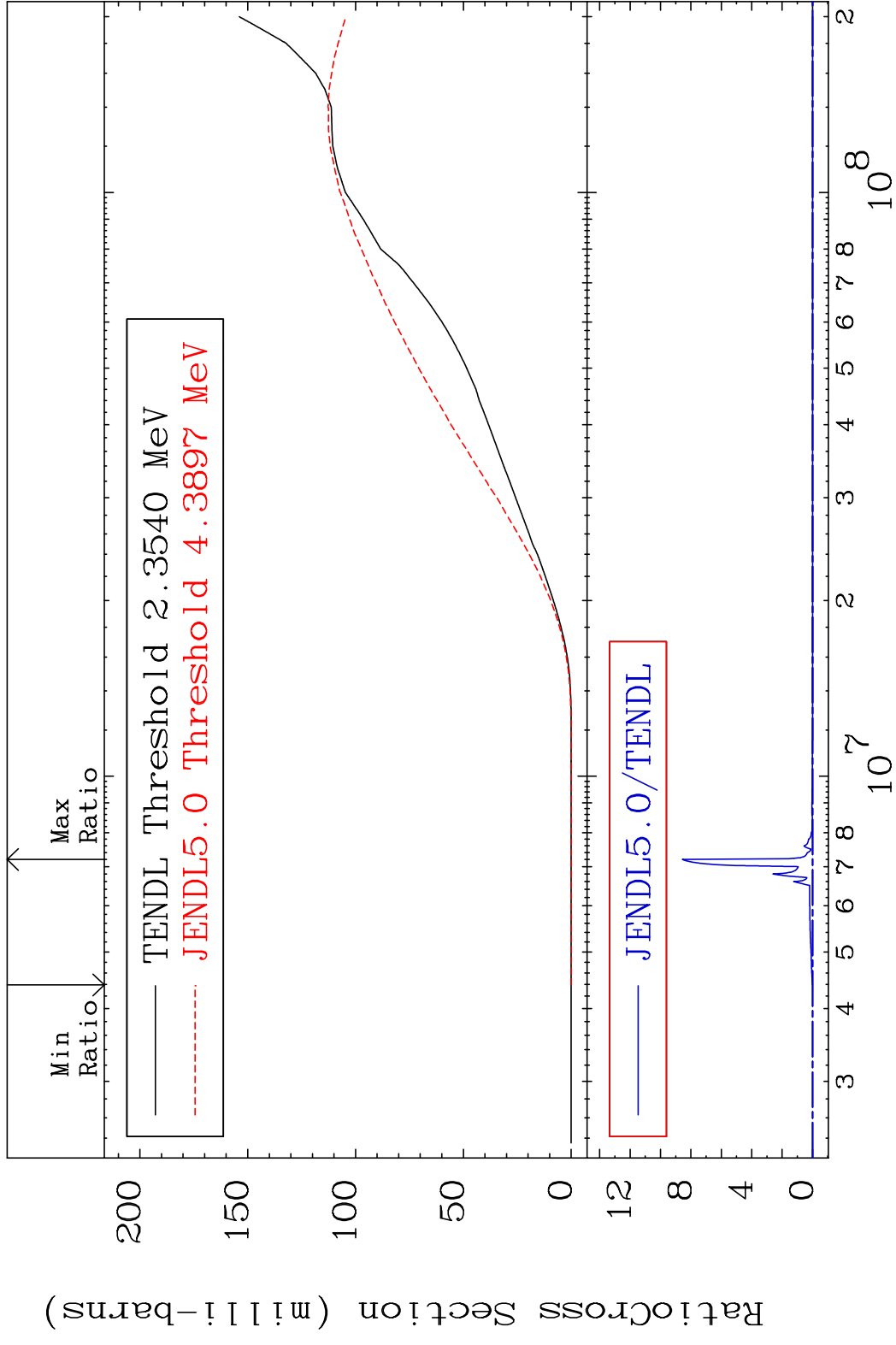
(n,  $\alpha$ )  
Cross Section -100.0 To 2341. %  
74-W -181



MAT 7428 Hydrogen Production 74-W -181  
 Cross Section -86.19 To 9999. %



MAT 7428 Deuterium Production 74-W -181  
 Cross Section -100.0 To 9999. %

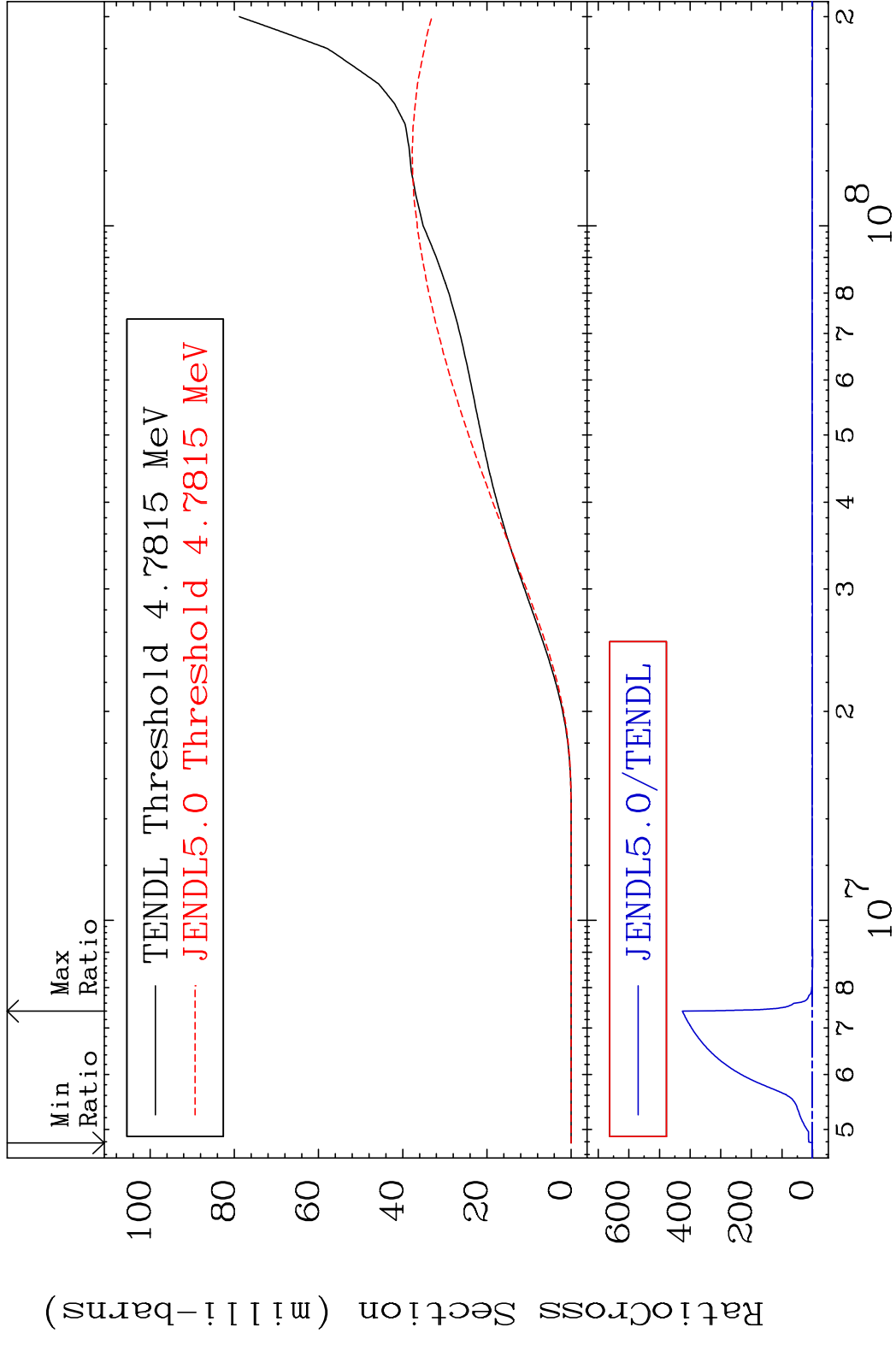


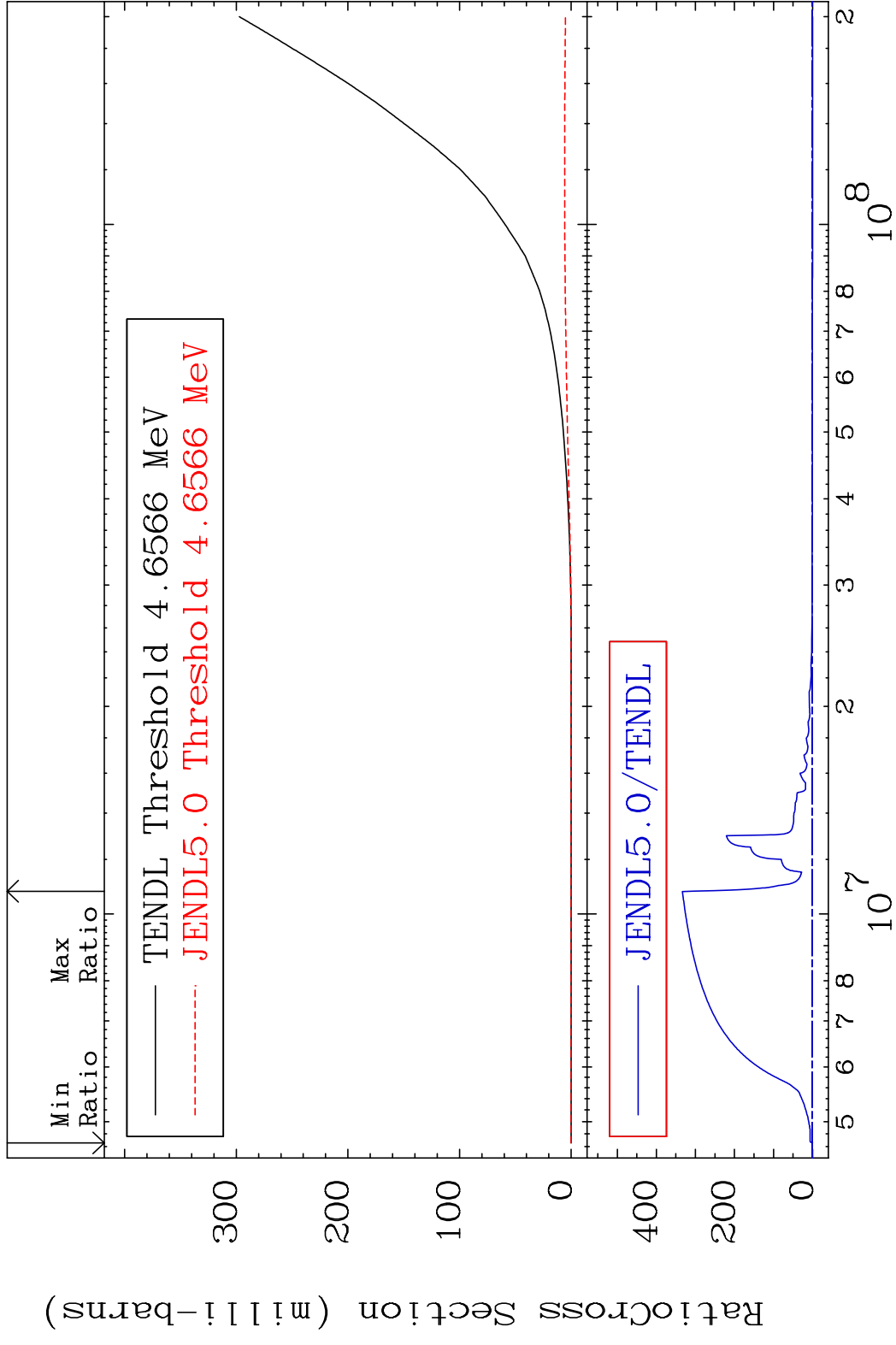
MAT 7428

Tritium Production

74-W -181

Cross Section -100.0 To 9999. %



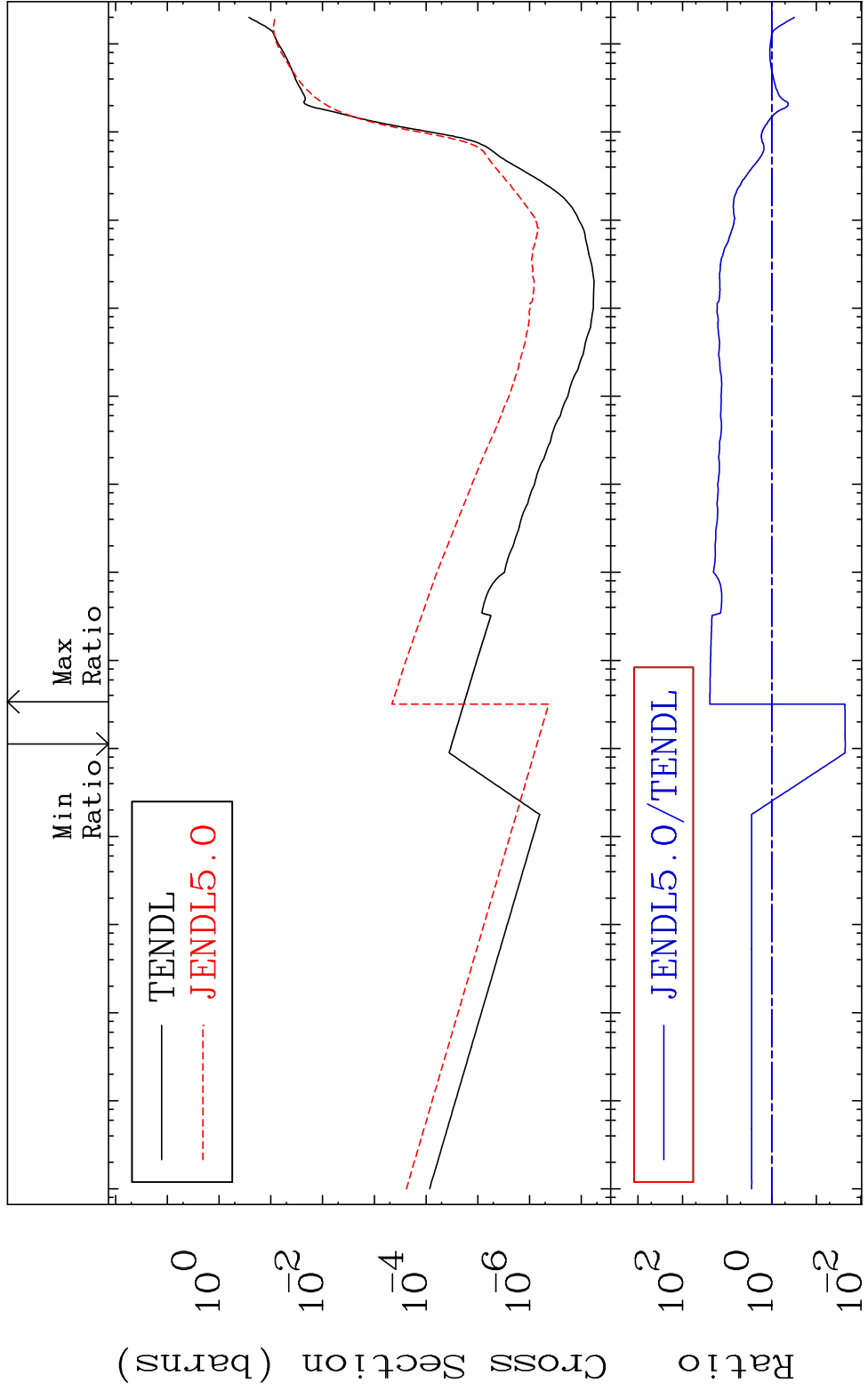


MAT 7428

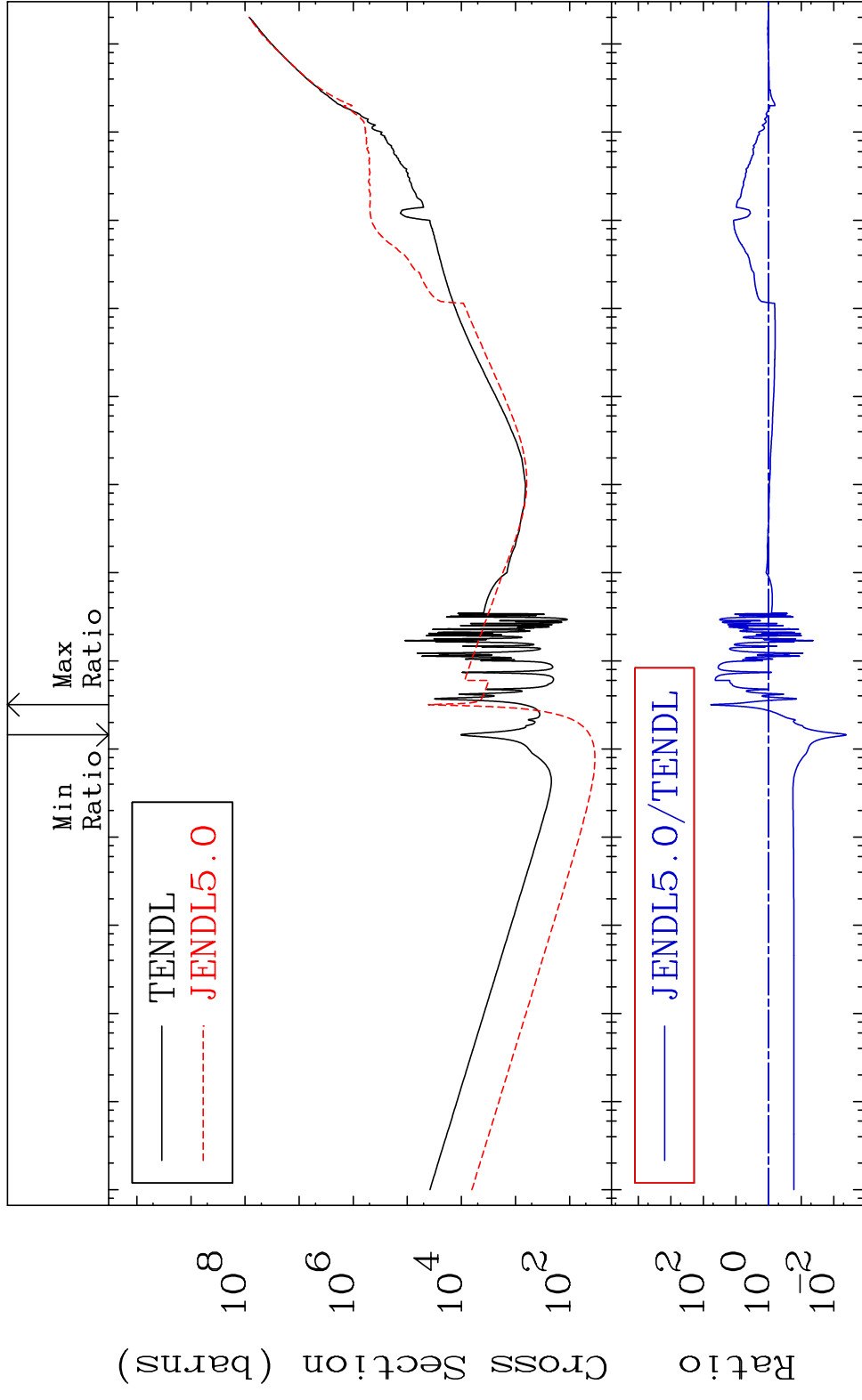
He-4 Production

74-W -181

Cross Section -97.76 To 2341. %



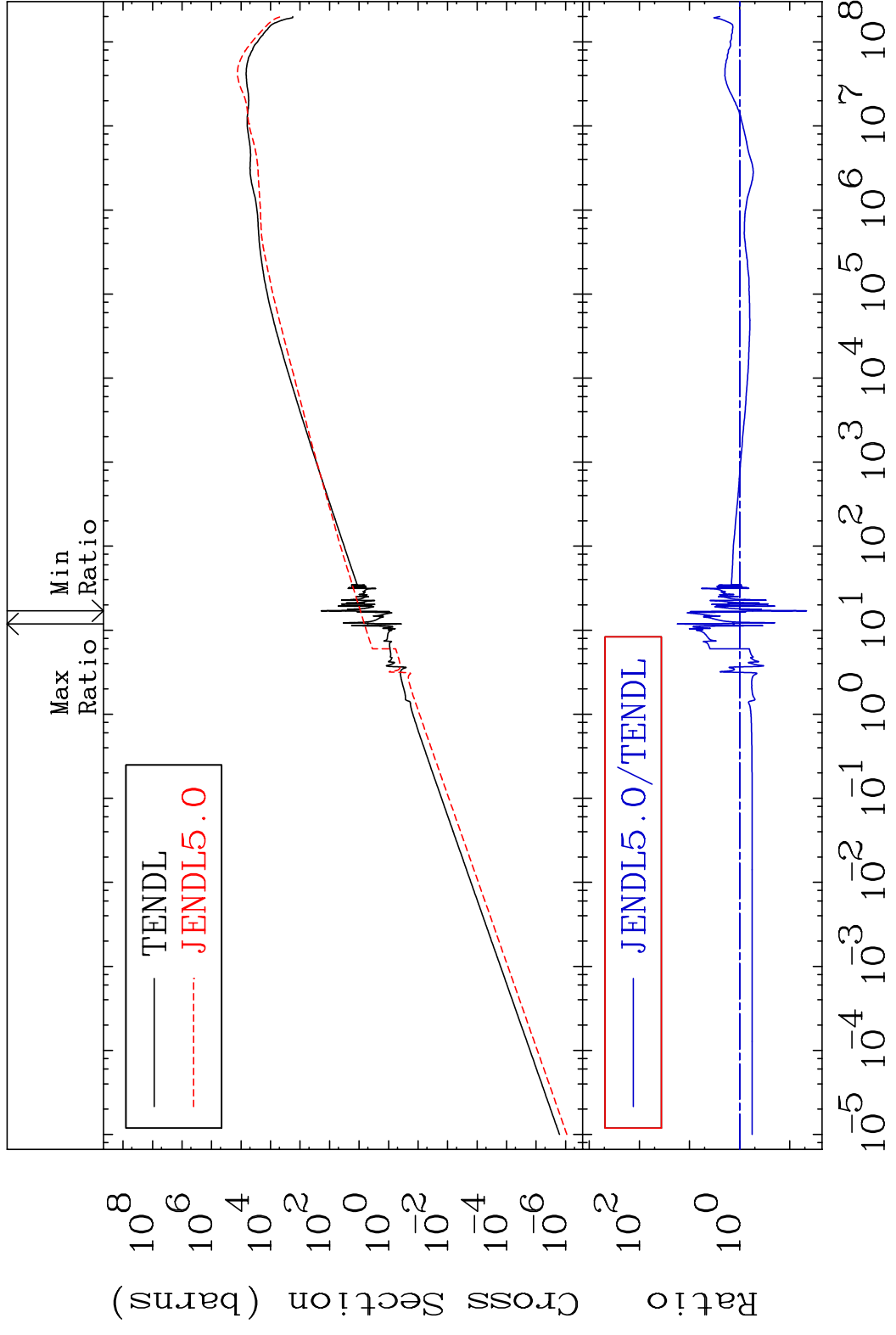
MAT 7428 Kerma total (eV-barns) 74-W -181  
 Cross Section -99.59 To 5866. %



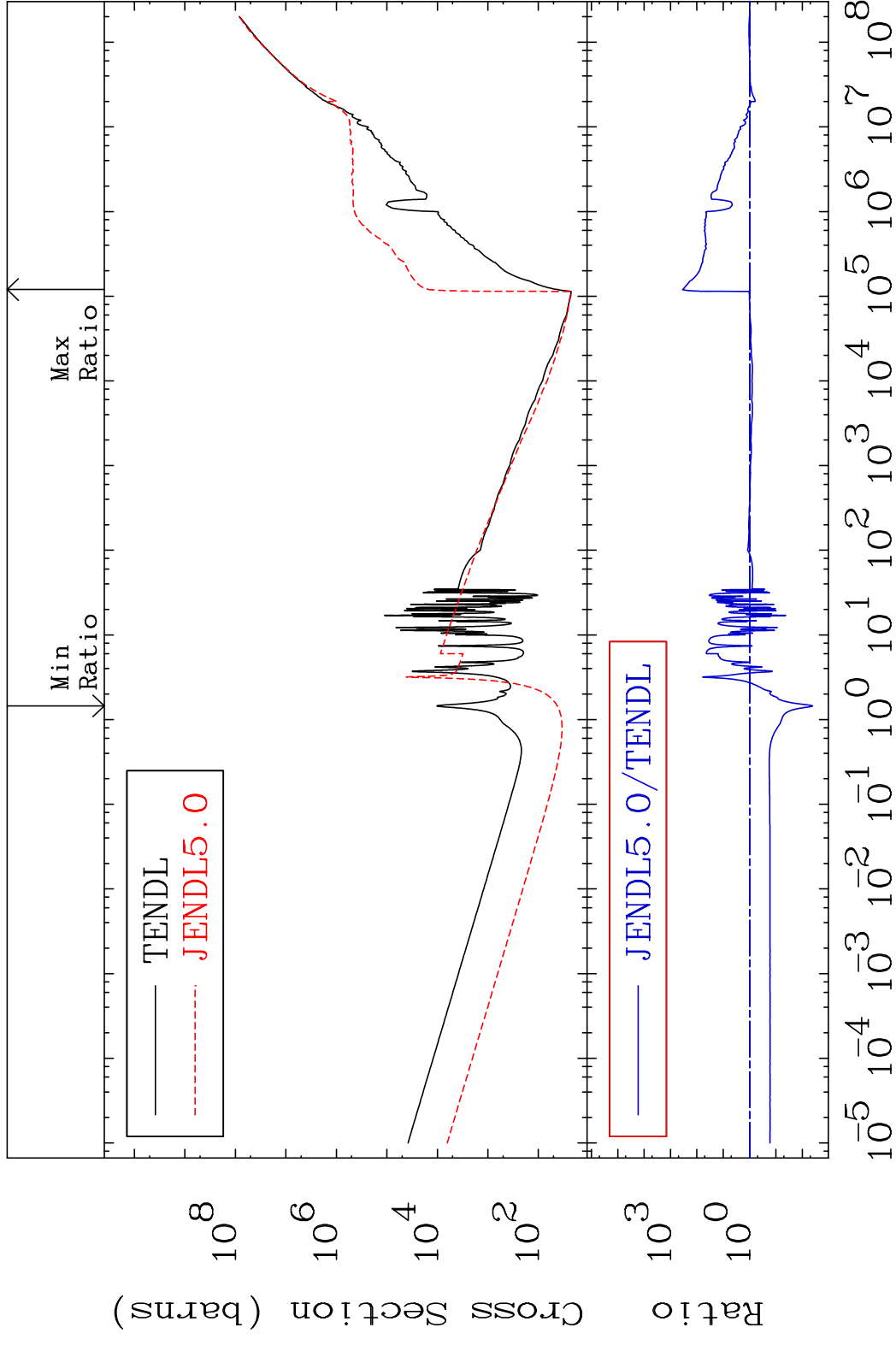


MAT 7428

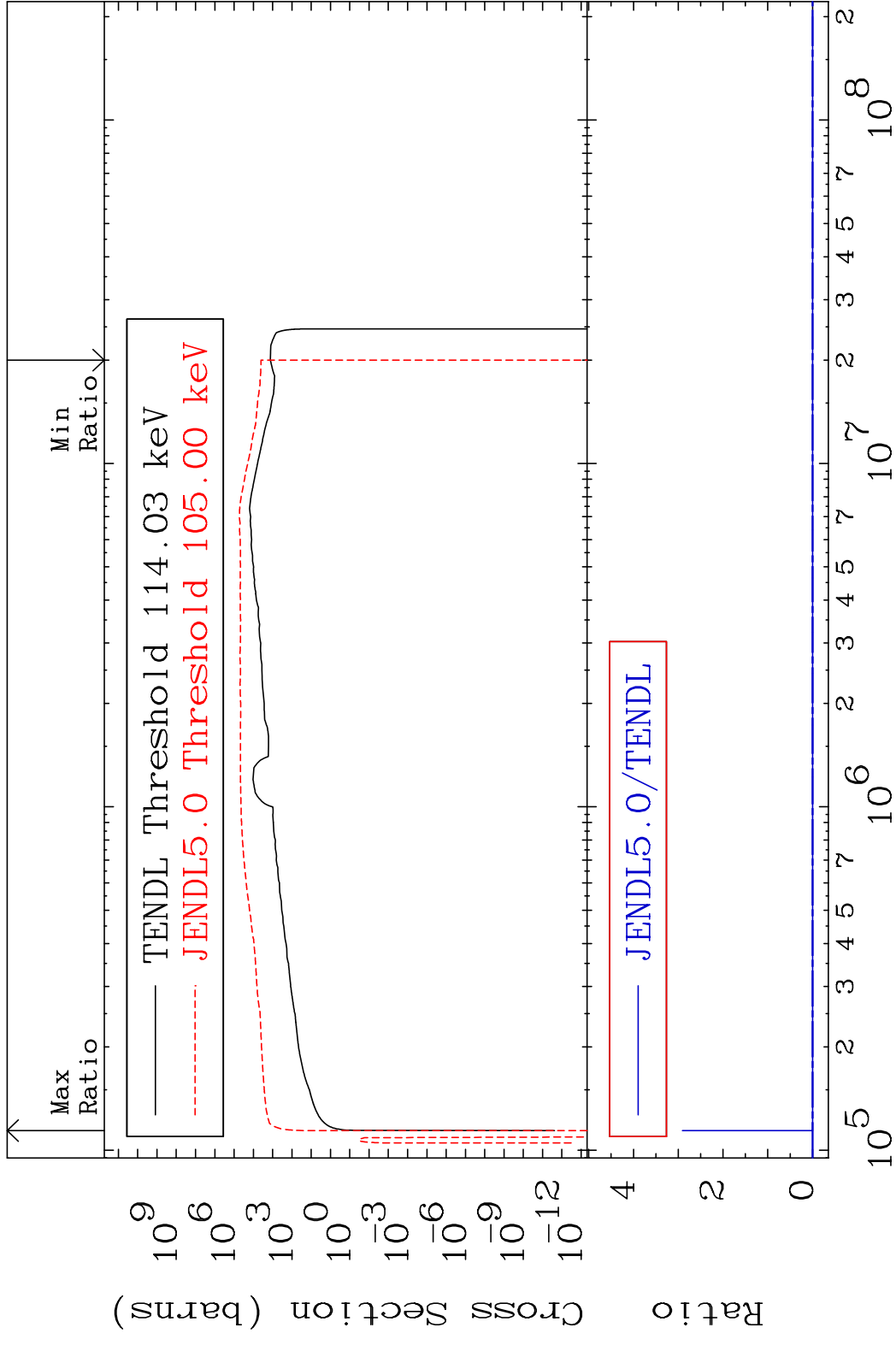
Kerma elastic 74-W -181  
Cross Section -95.33 To 1664. %



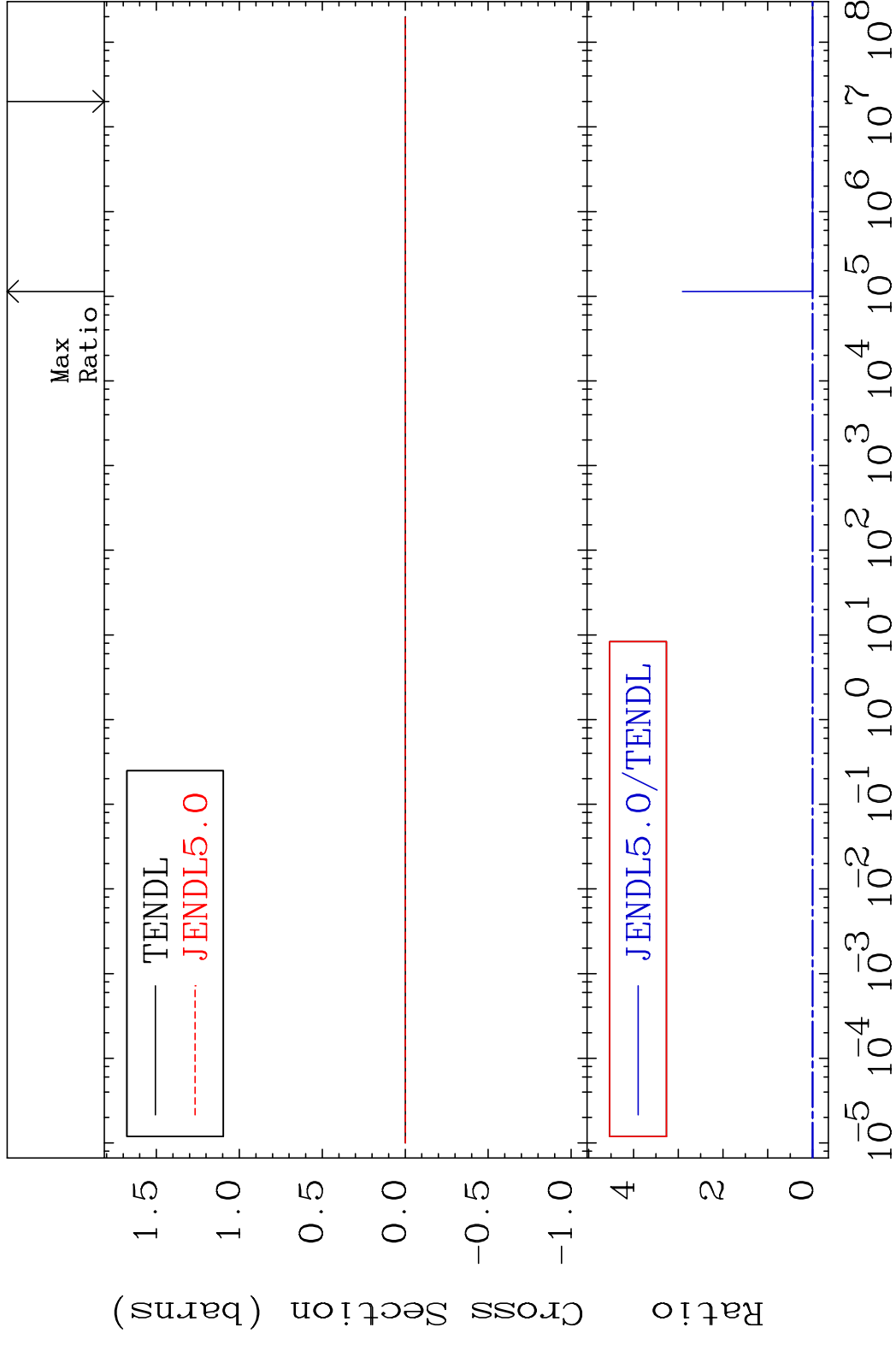
MAT 7428 Kerma non-elastic (all but mt2) 74-W -181  
 Cross Section -99.59 To 9999. %



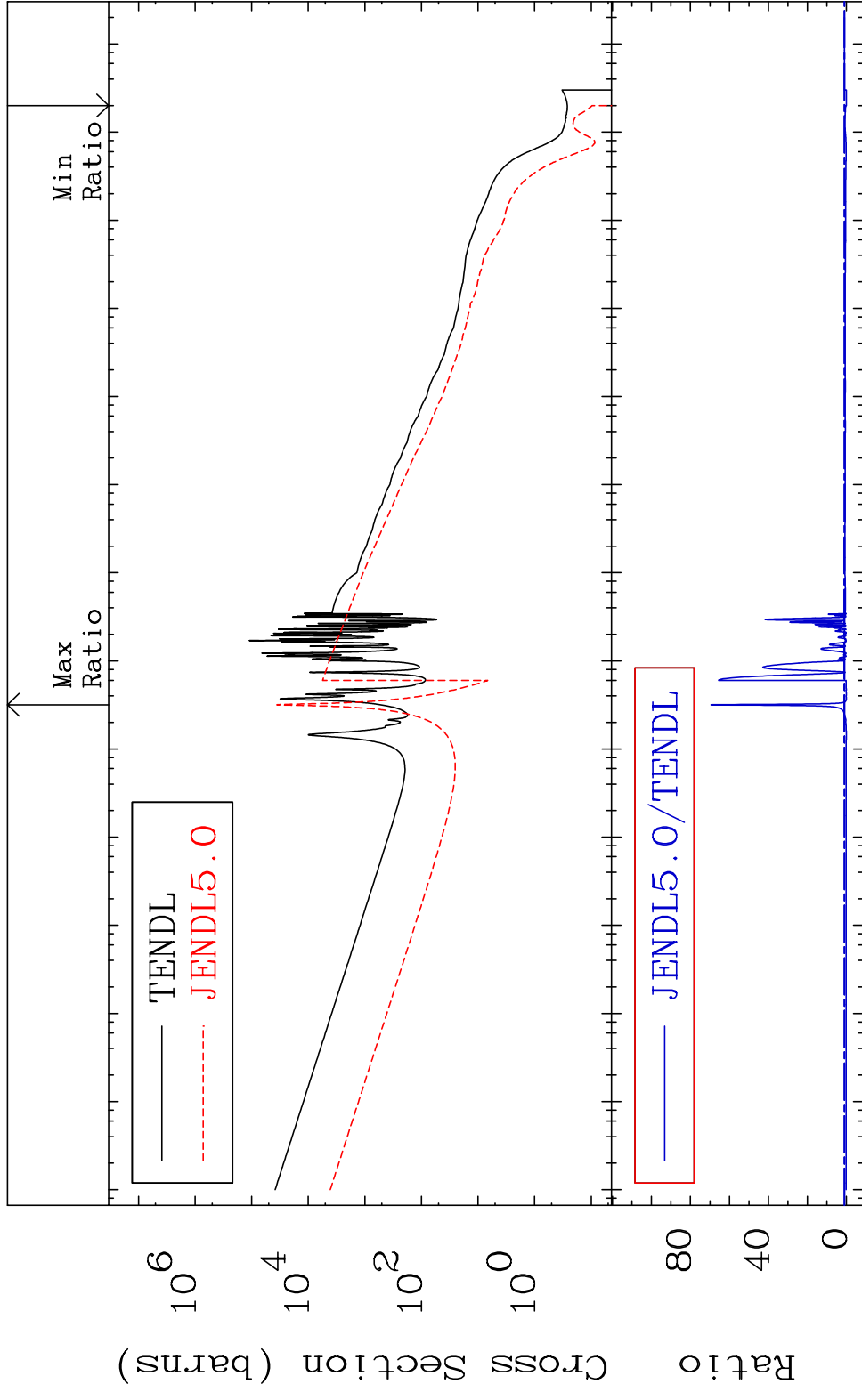
MAT 7428 Kerma inelastic (mt51-91) 74-W -181  
 Cross Section -100.0 To 9999. %



MAT 7428 Kerma fission (mt18 or mt19-20-21-38) 74-W -181  
 Cross Section -100.0 To 9999. %



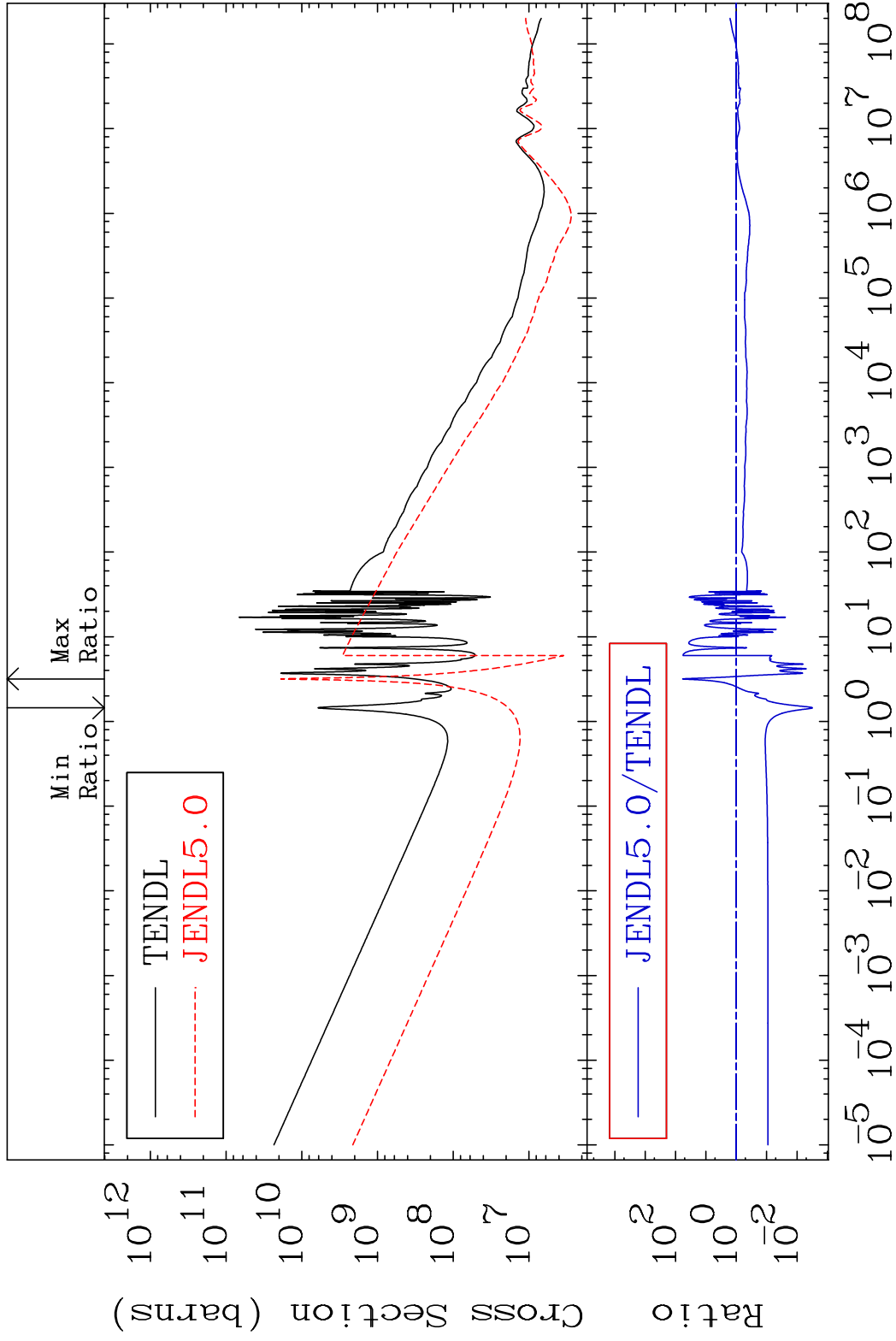
MAT 7428 Kerma capture (mt102) 74-W -181  
 Cross Section -100.0 To 6860. %



60 Incident Energy (eV) 74-W -181

MAT 7428

Total photon (eV-barns) 74-W -181  
Cross Section -99.69 To 5859. %

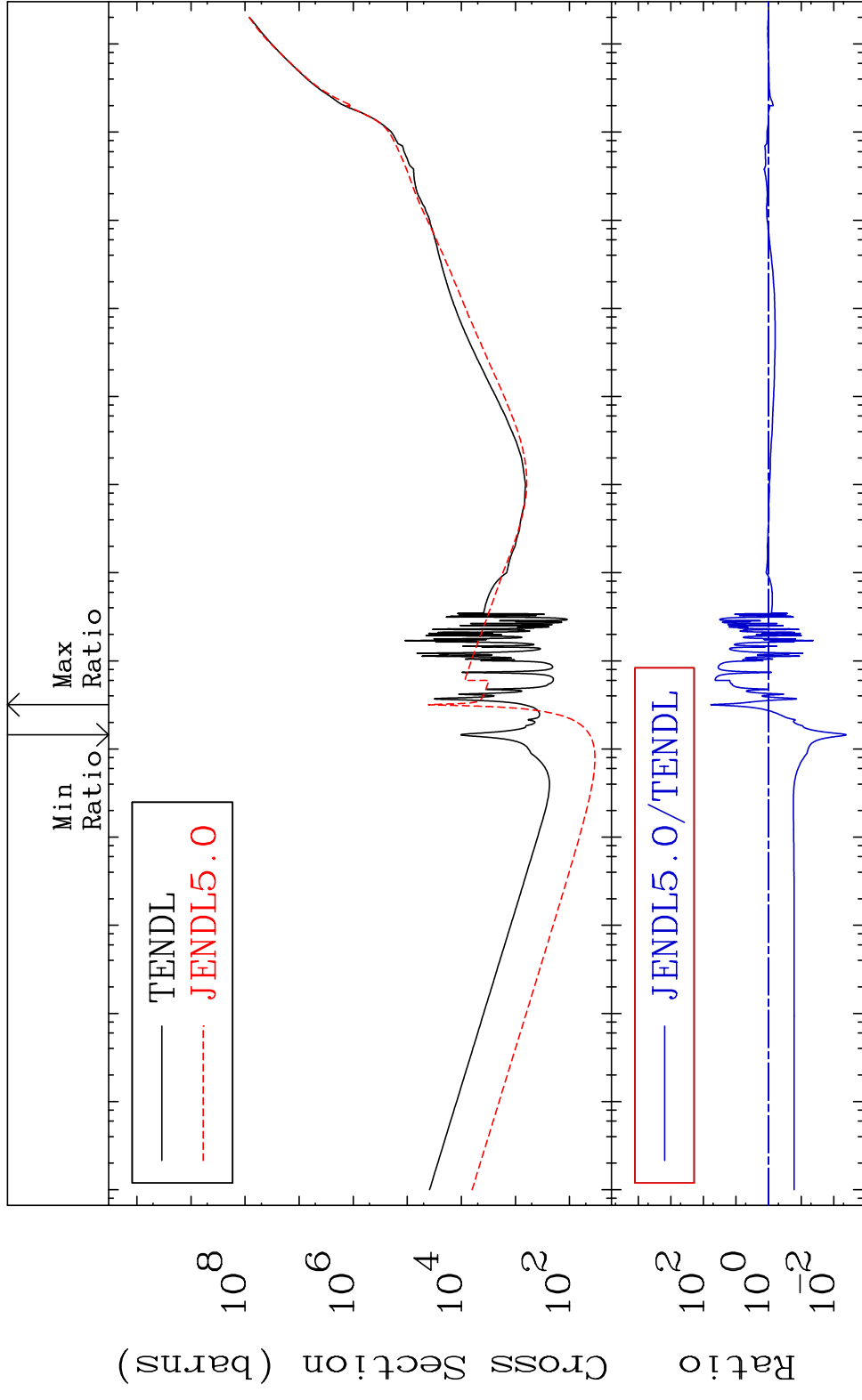


61

Incident Energy (eV)

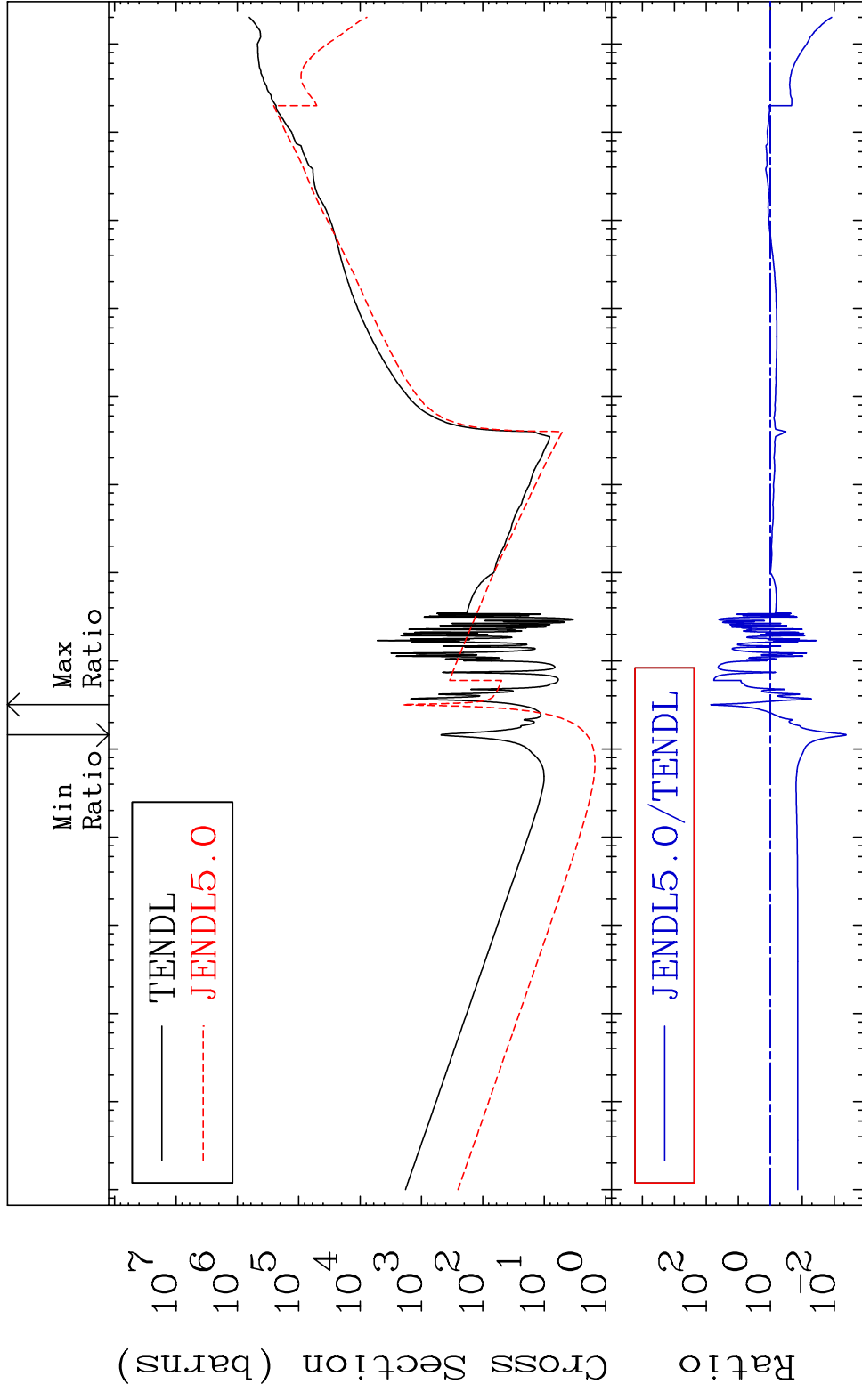
74-W -181

MAT 7428 Total kinematic kerma (high limit) 74-W -181  
 Cross Section -99.59 To 5854. %



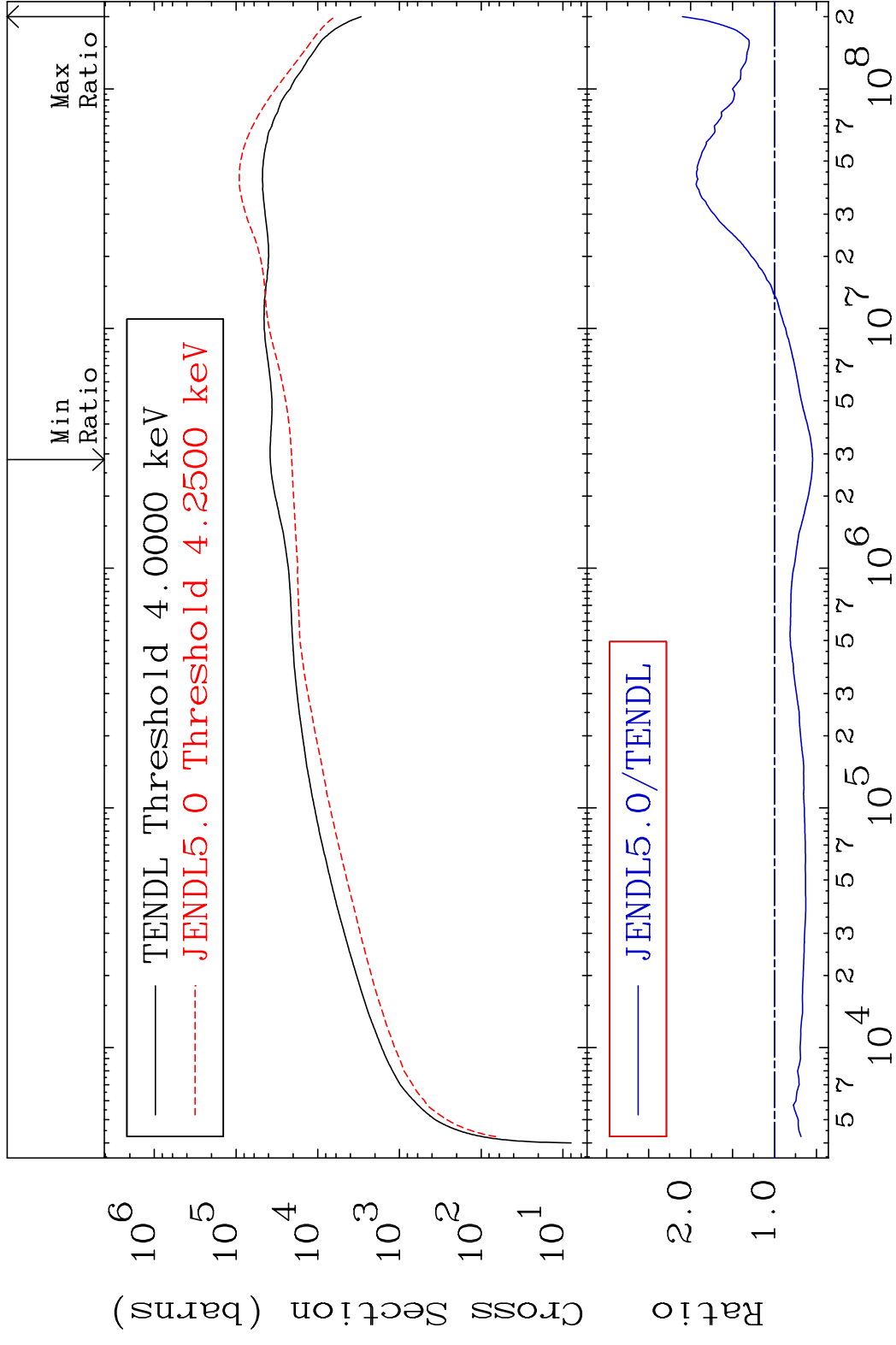
MAT 7428

Dpa total (eV-barns) 74-W -181  
Cross Section -99.58 To 7200. %

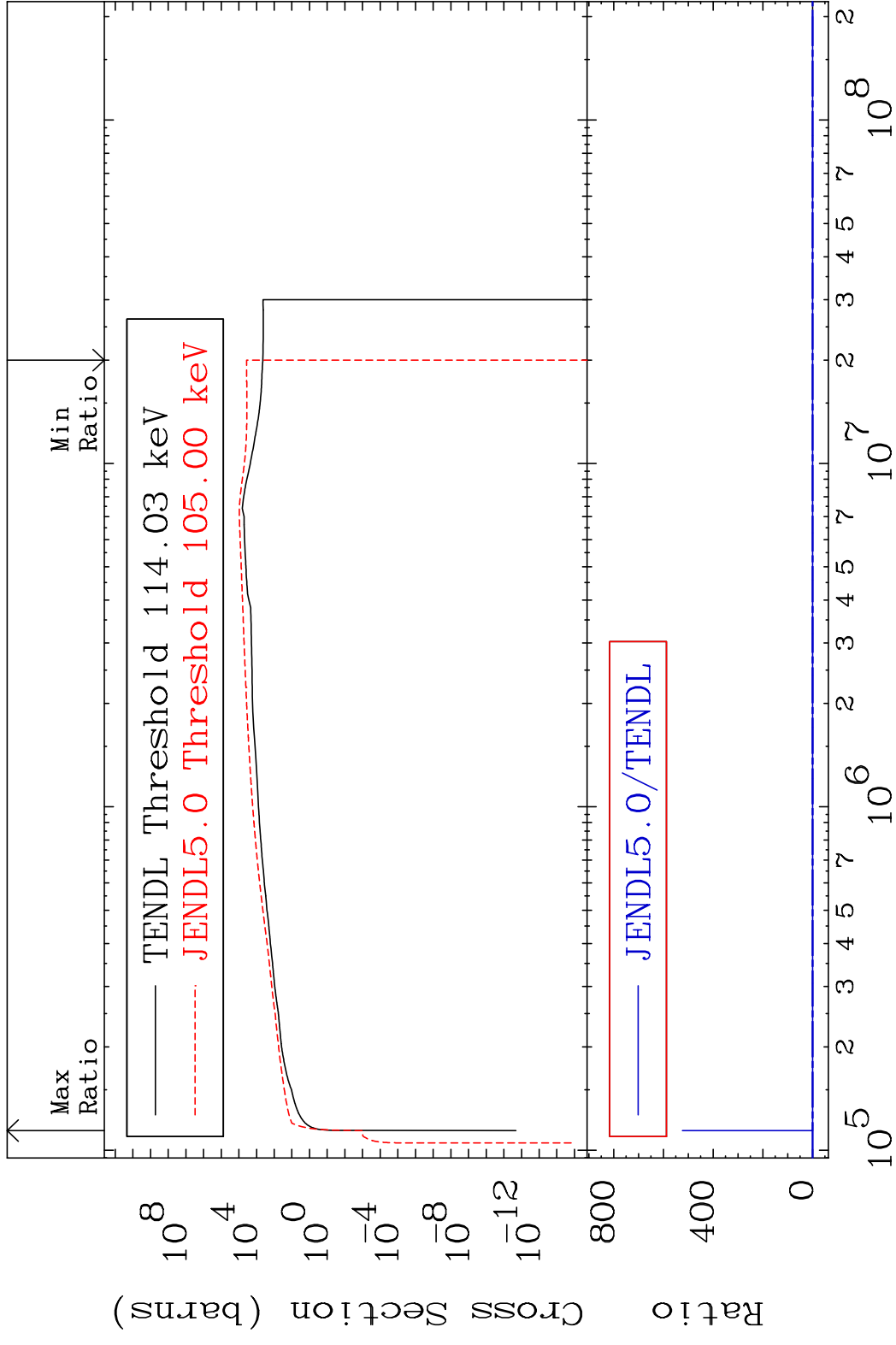




MAT 7428      Dpa elastic (mt2)      74-W -181  
 Cross Section      -45.44 To 109.8 %

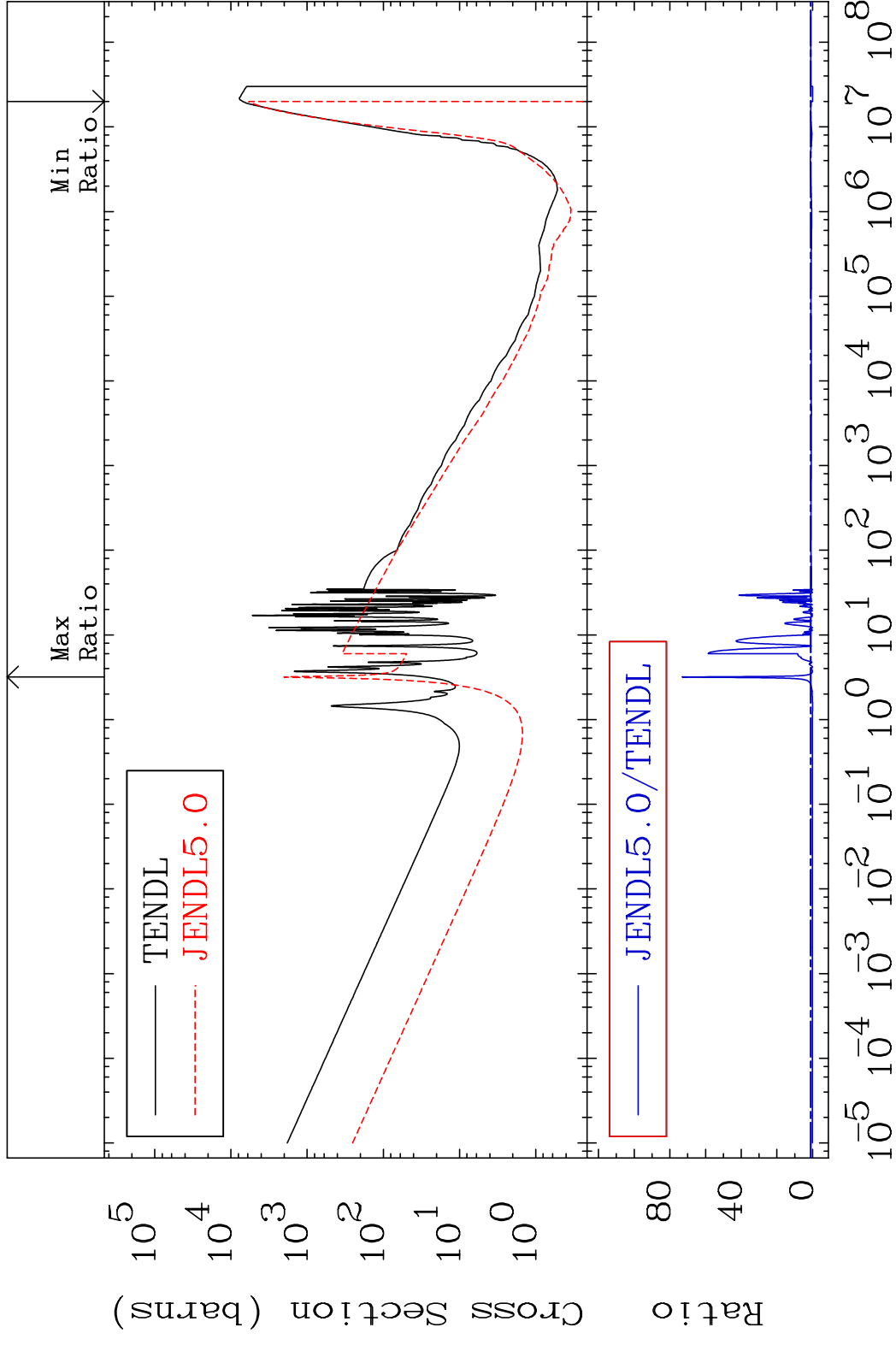


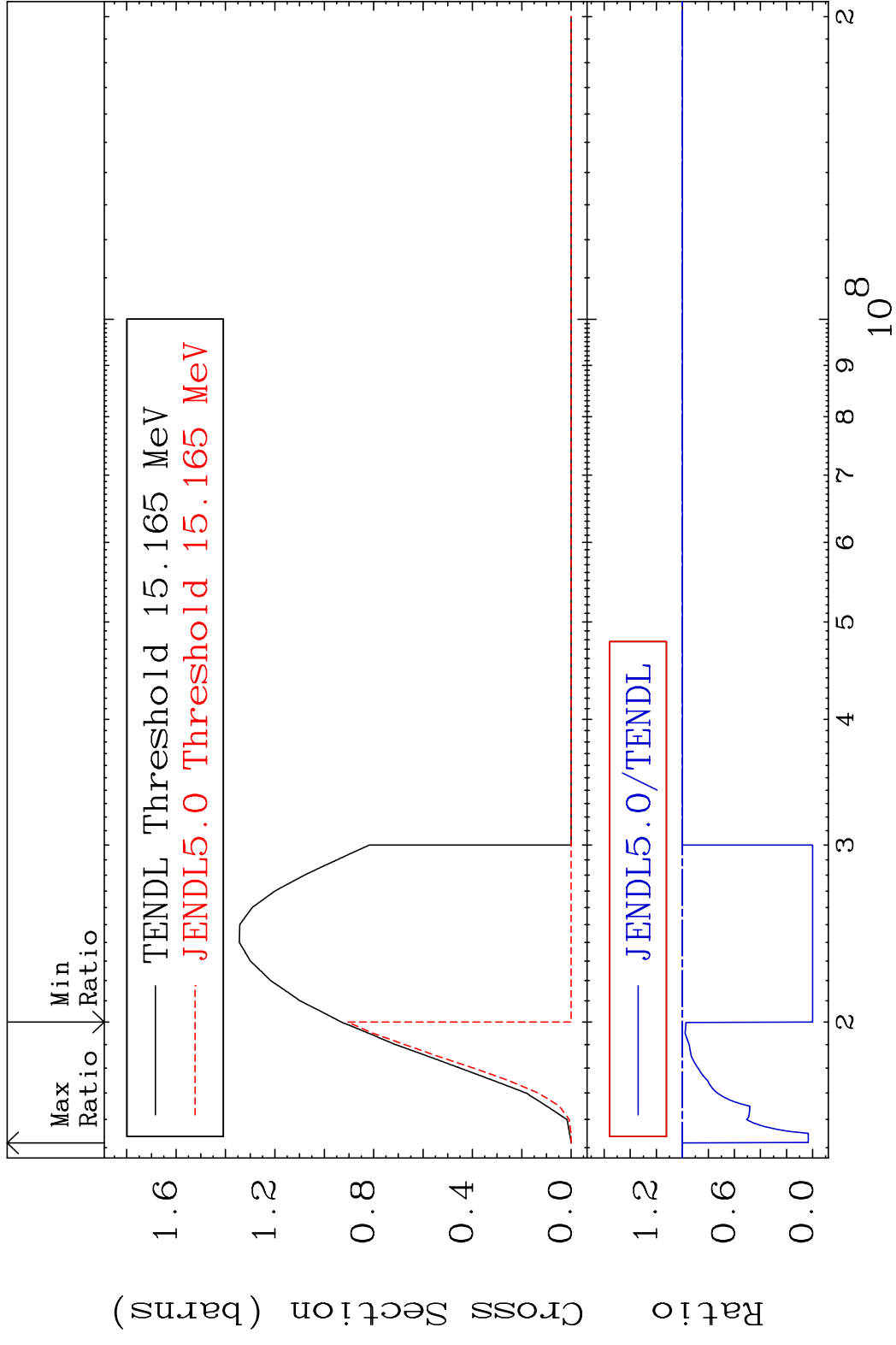
MAT 7428 Dpa inelastic (mt51-91) 74-W -181  
 Cross Section -100.0 To 9999. %

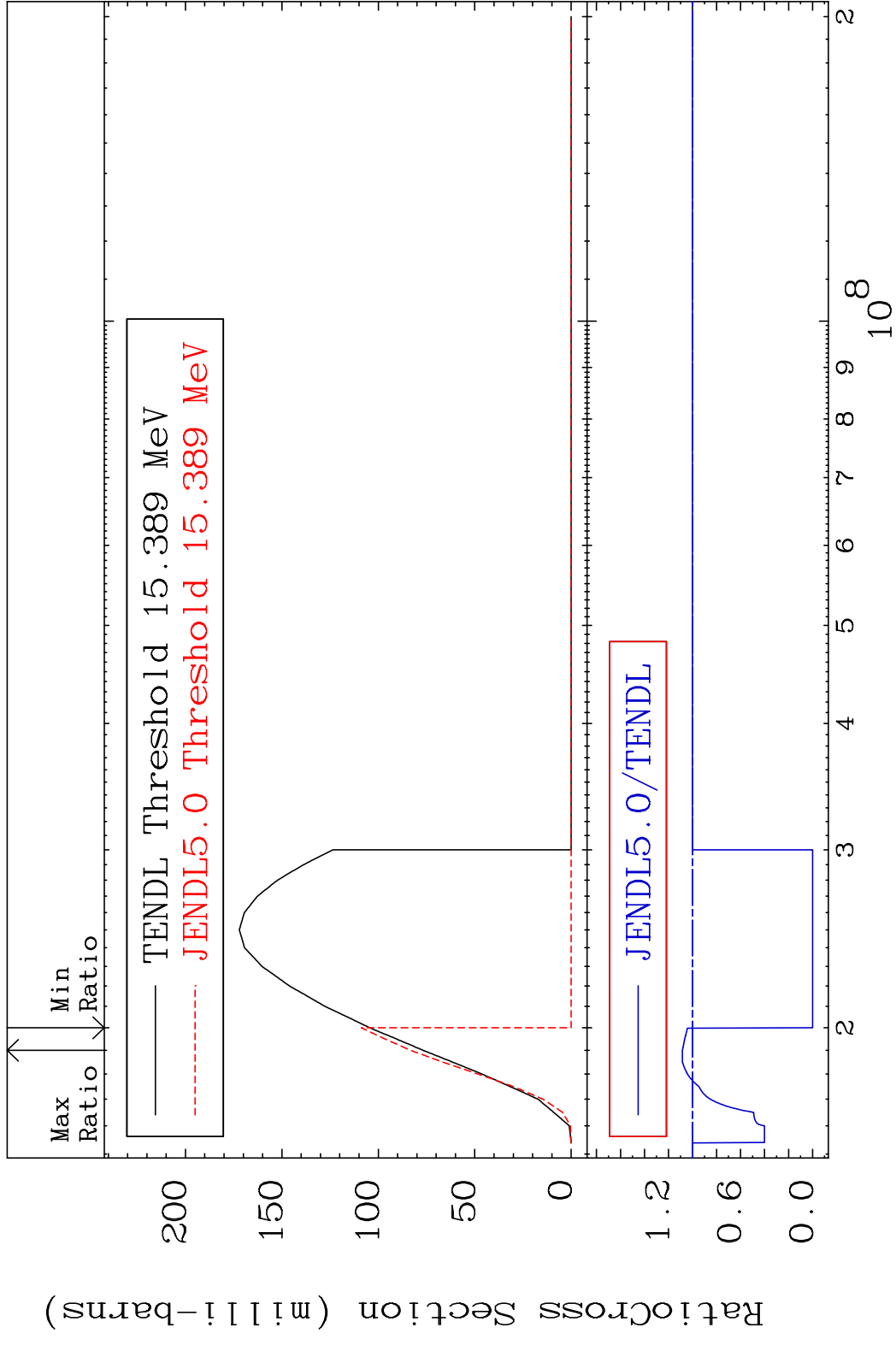


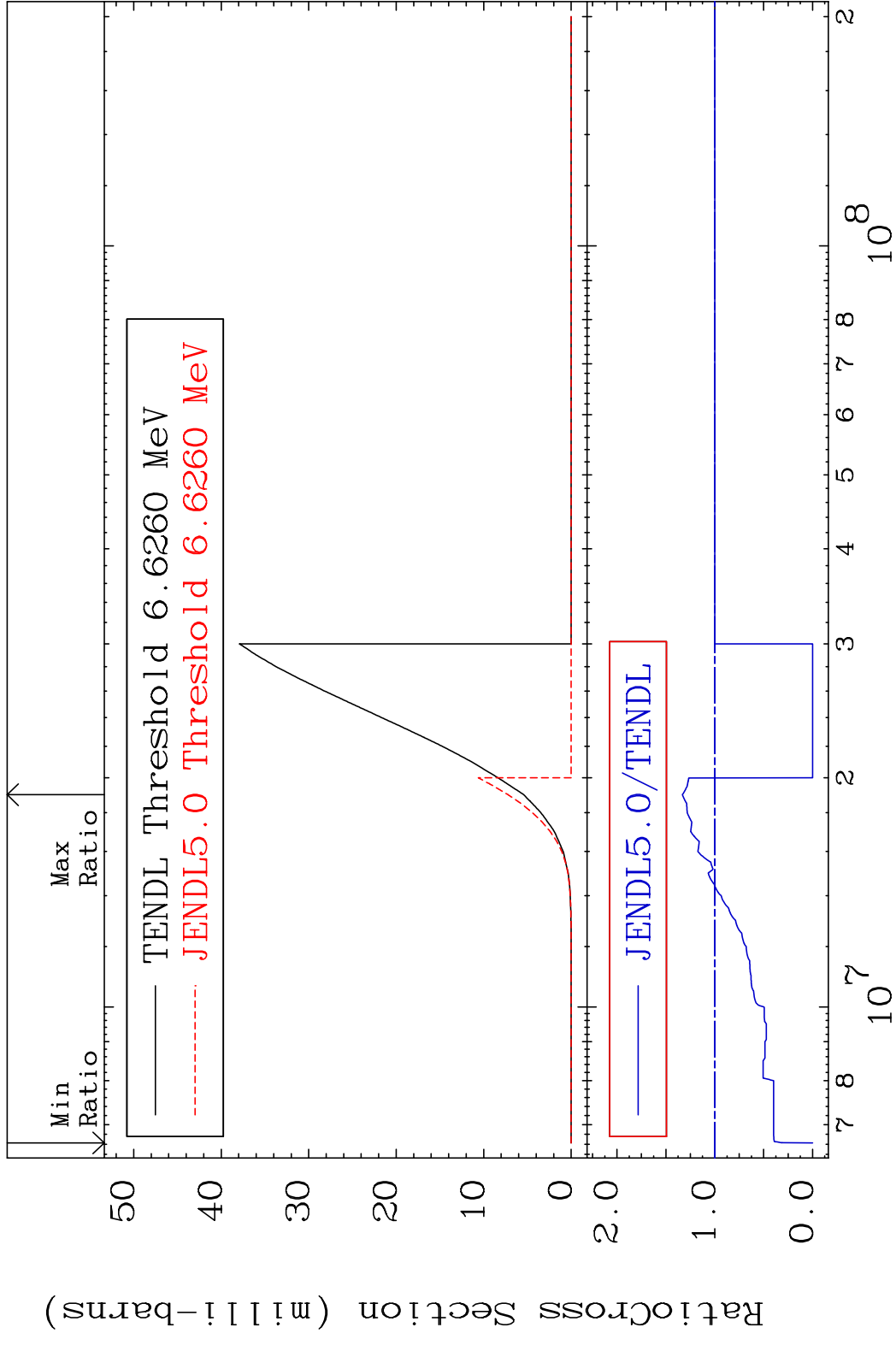
65 Incident Energy (eV) 74-W -181

MAT 7428 Dpa disappearance (mt102 -120) 74-W -181  
 Cross Section -100.0 To 7200. %

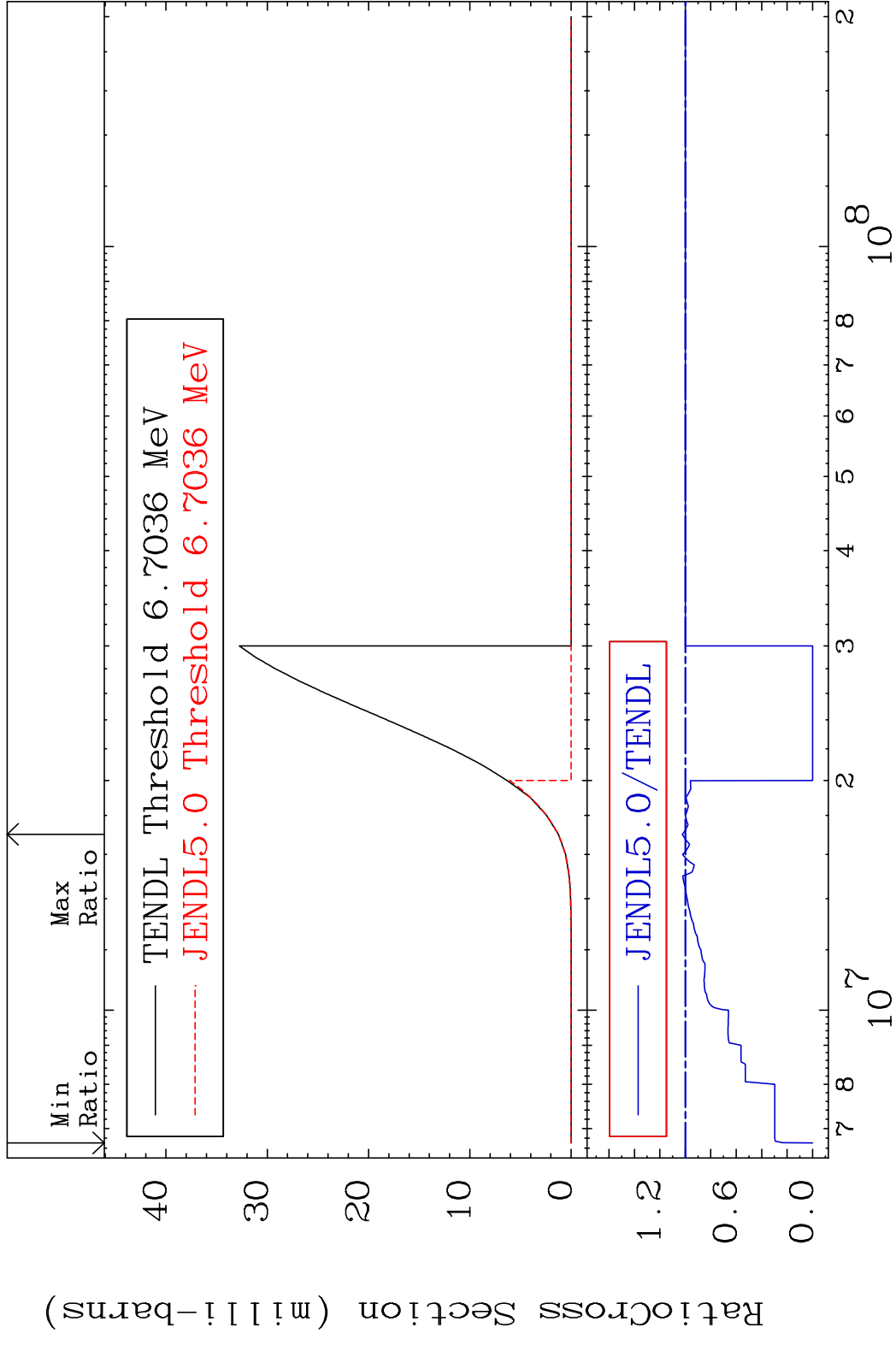




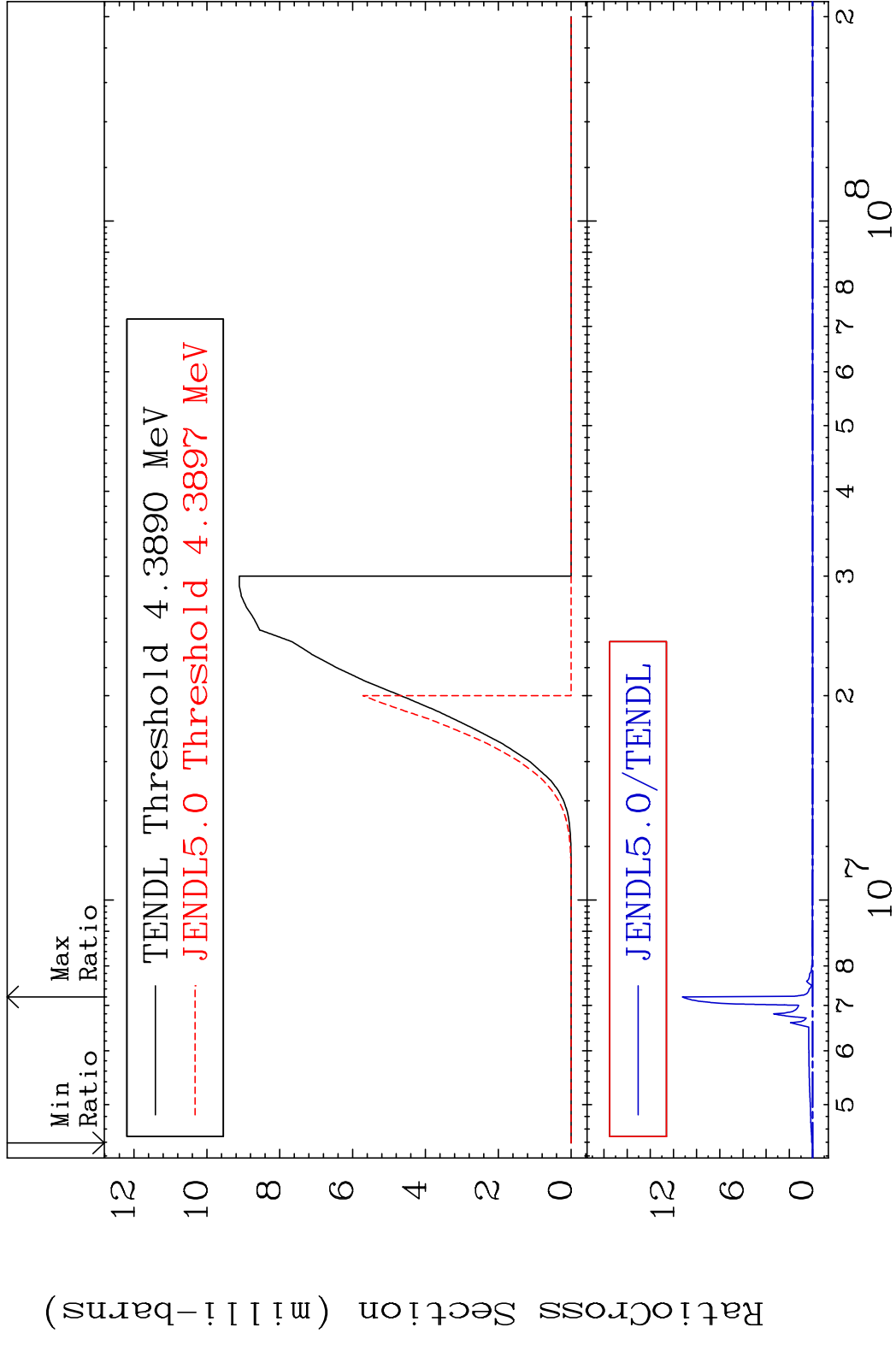




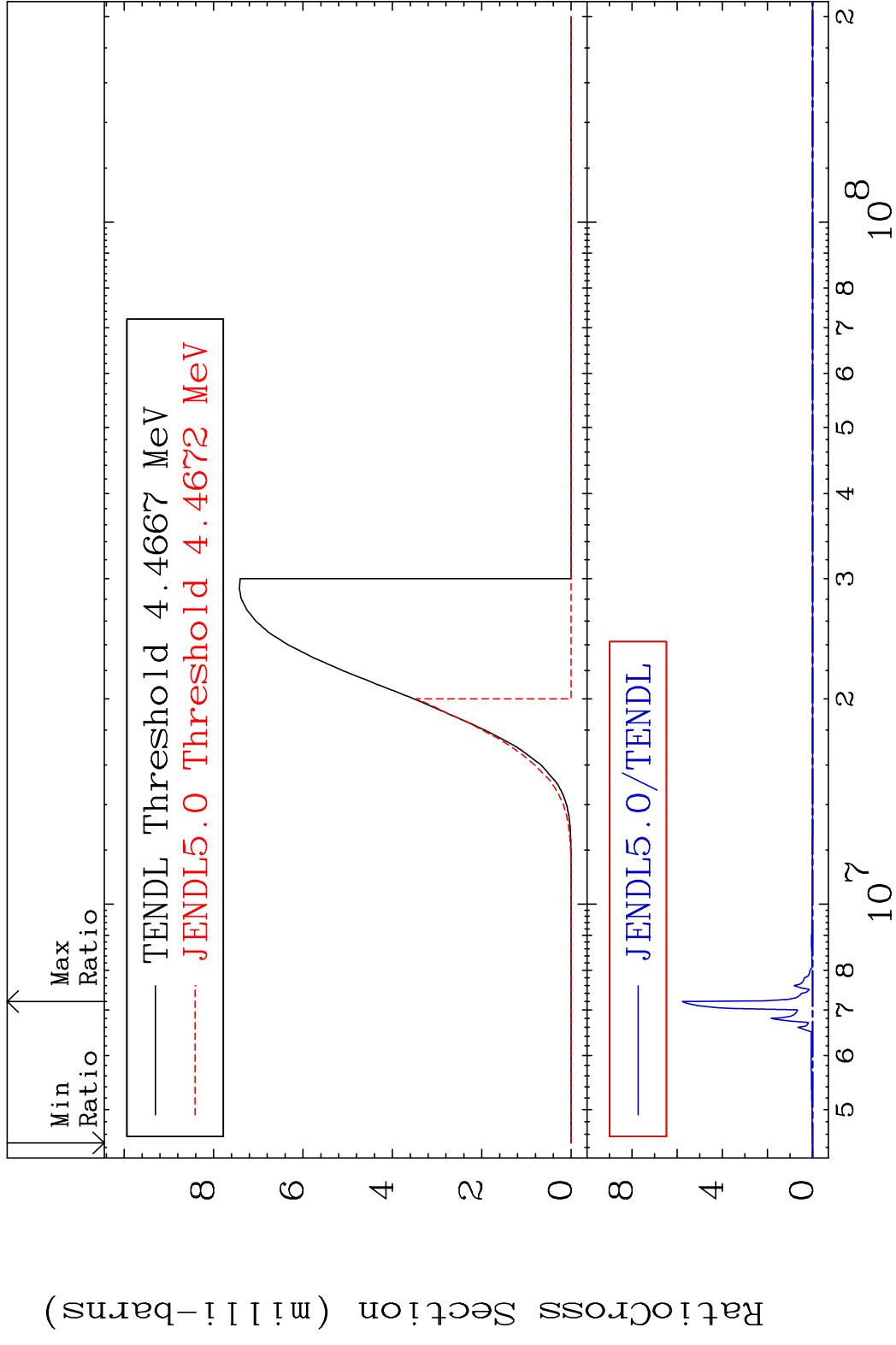
MAT 7428 (n, n') p:73-Ta-180m2 74-W -181  
 Radionuclide Production Cross Section Ratio 2.309 %

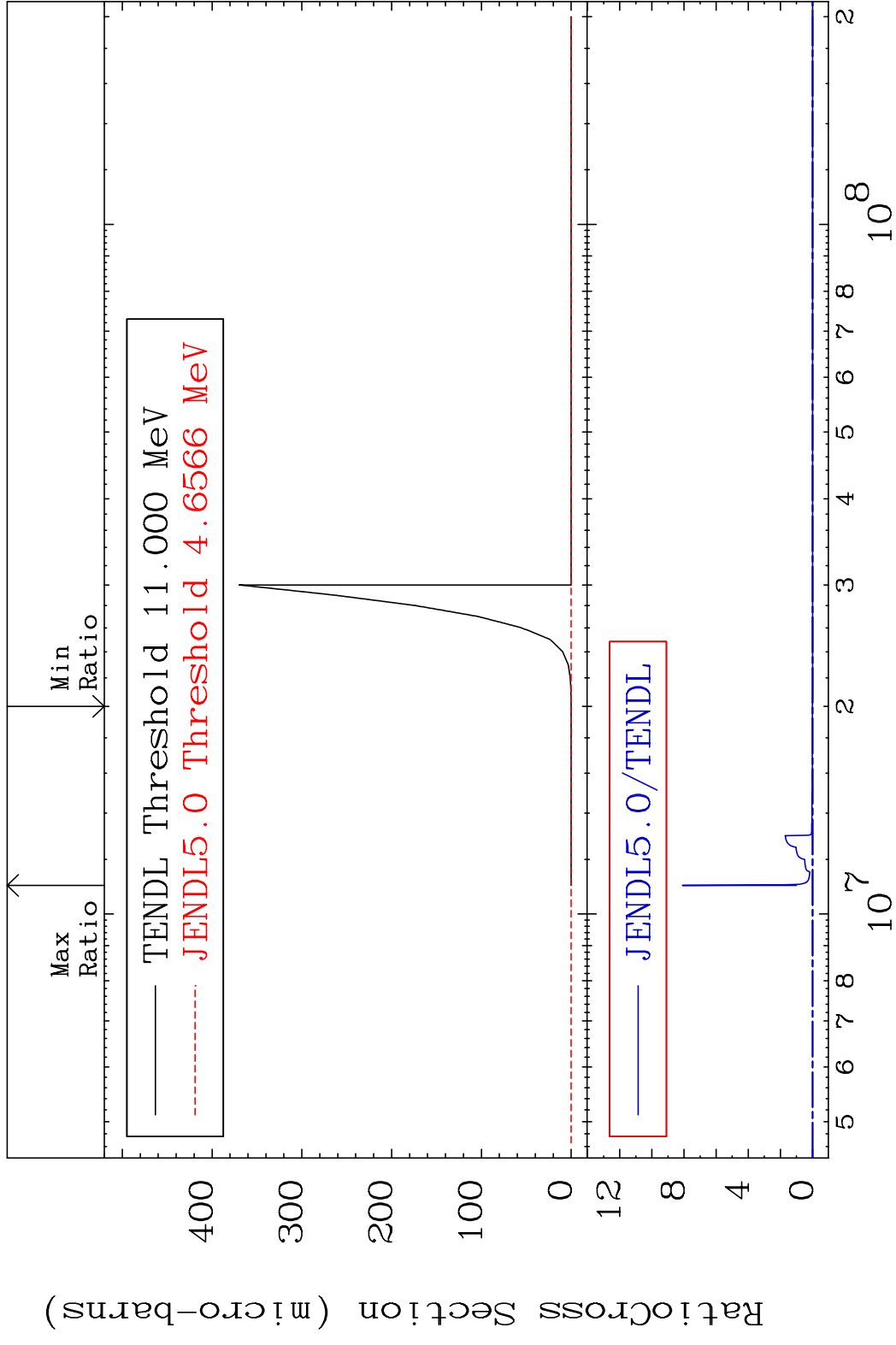


70 Incident Energy (eV) 74-W -181

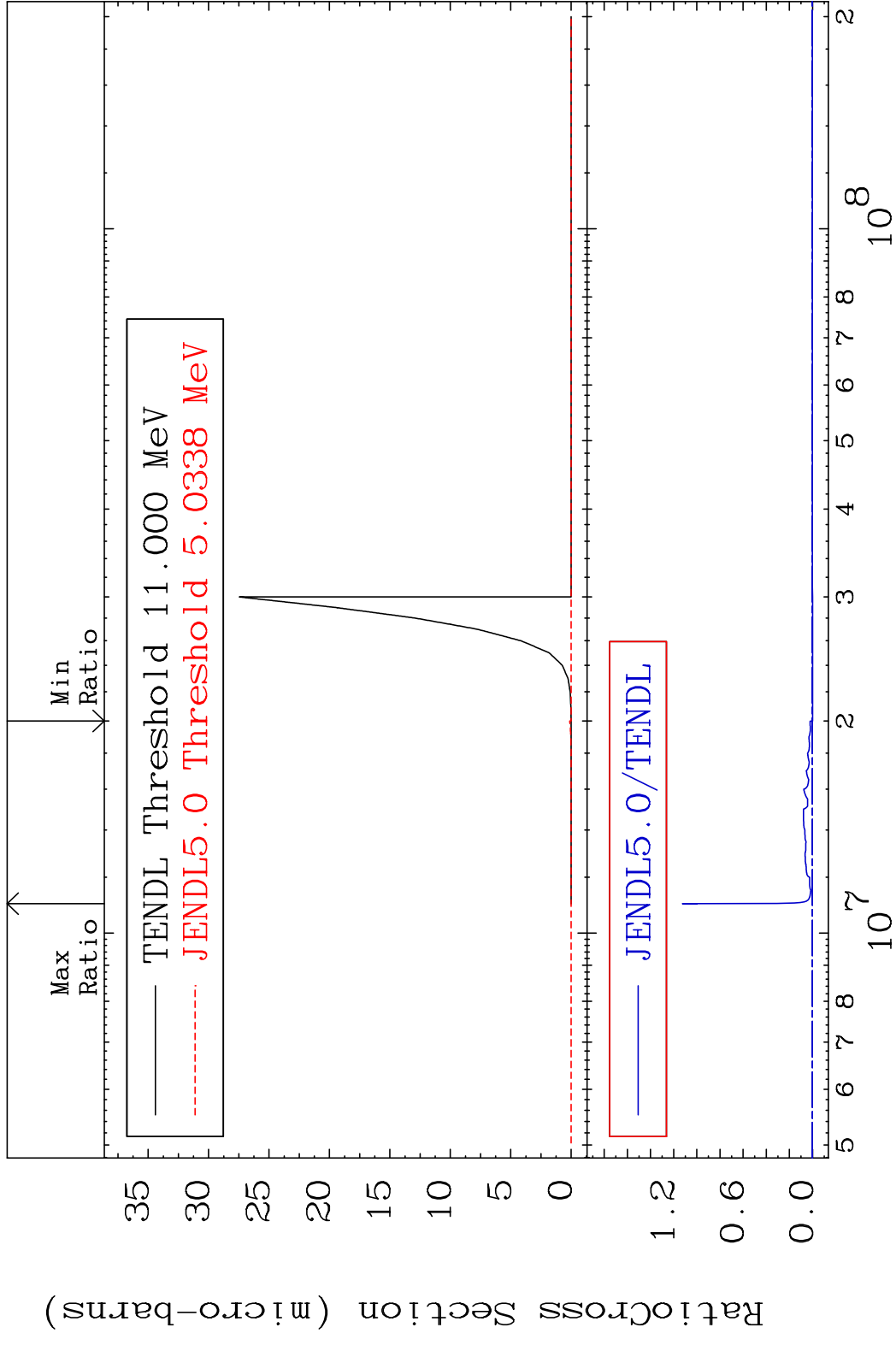




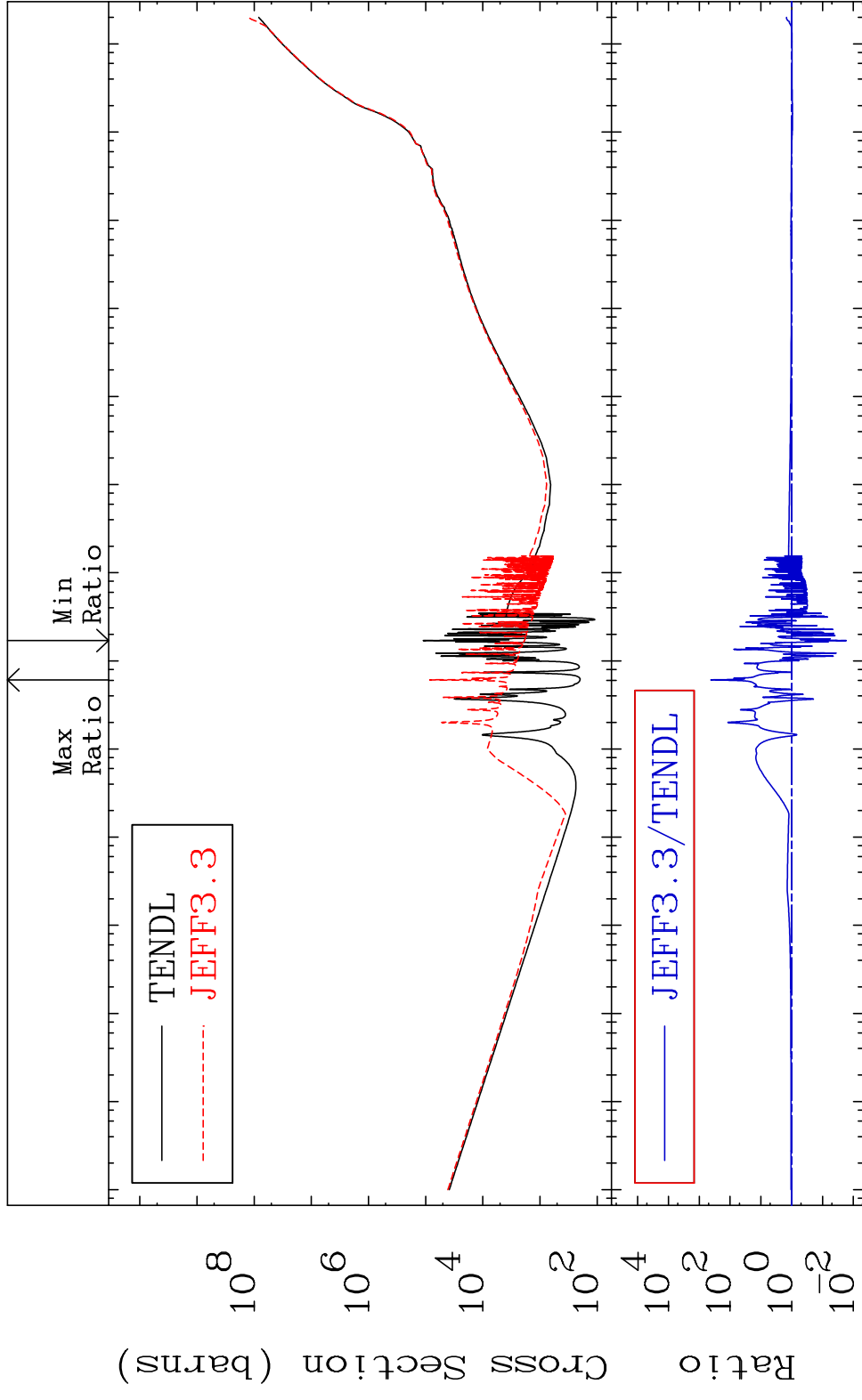




MAT 7428 (n, He-3) : 72-Hf-179m5 74-W -181  
 Radionuclide Production Cross Section 18000 dth 9999. %



MAT 7428 Total kinematic kerma (high limit) 74-W -181  
 Cross Section -98.31 To 9999. %



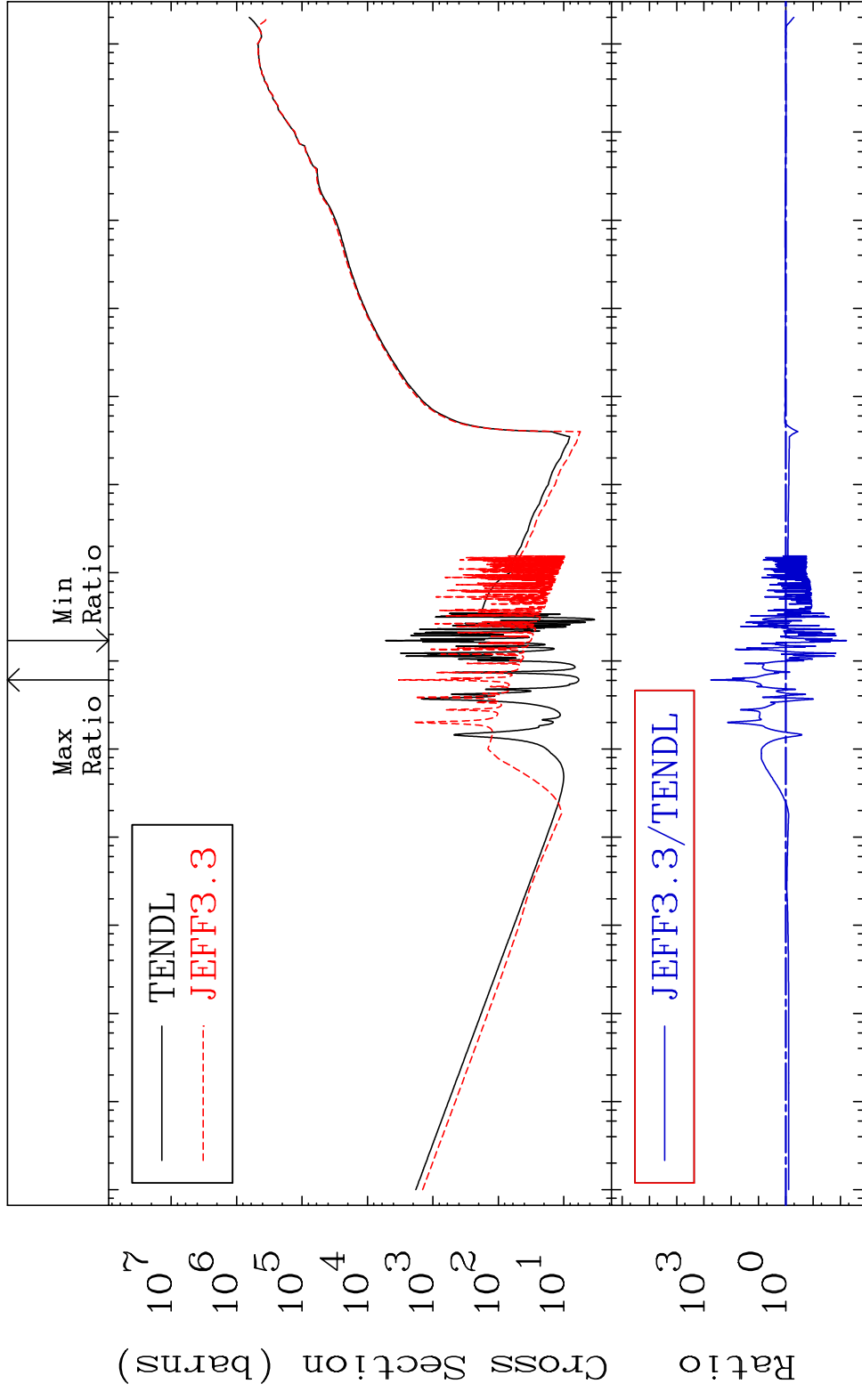
75 Incident Energy (eV) 74-W -181

MAT 7428

Dpa total (eV-barns)

74-W -181

Cross Section -99.39 To 9999. %



Ratio

76

Incident Energy (eV)

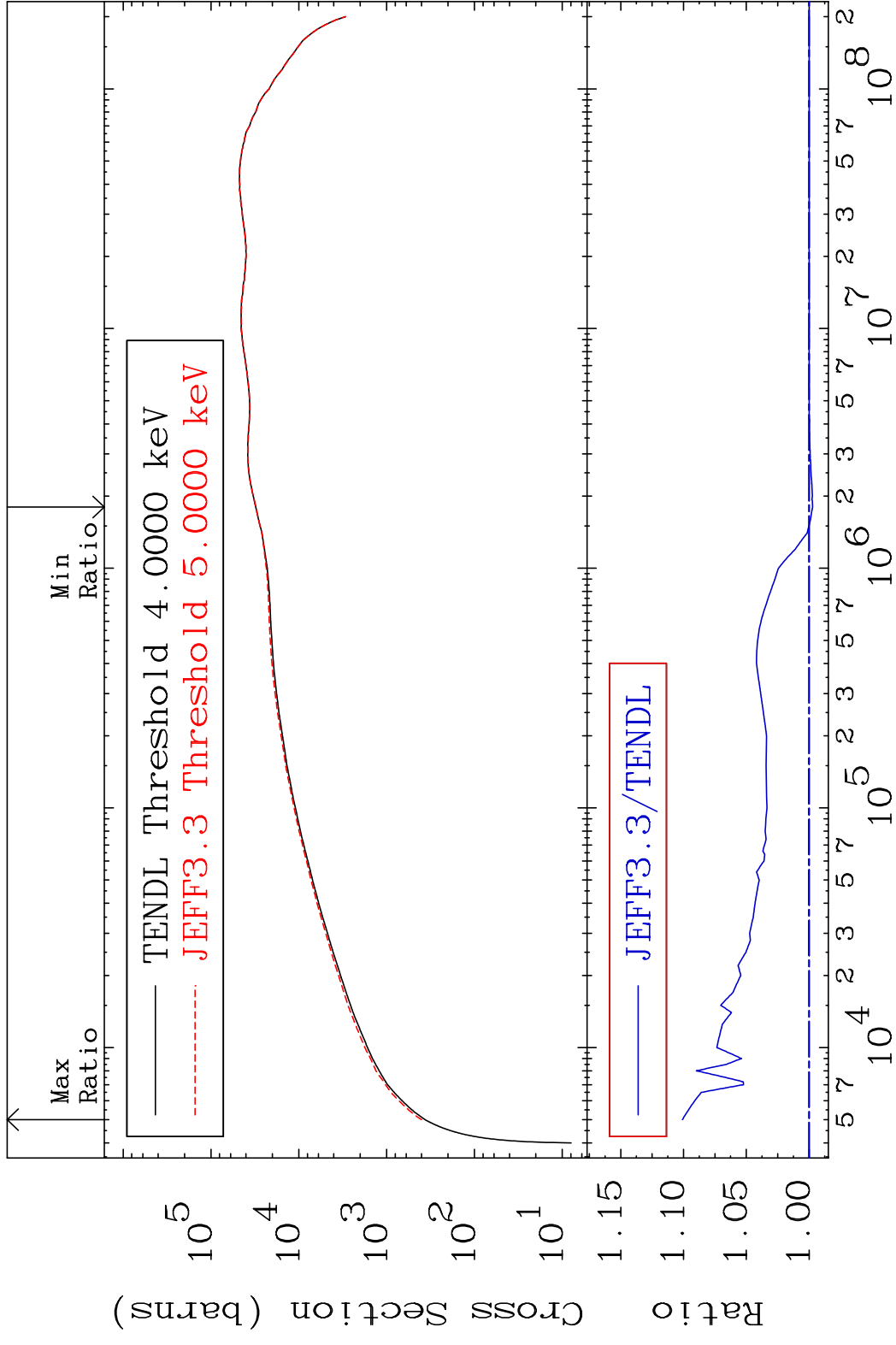
74-W -181

MAT 7428

Dpa elastic (mt2)

74-W -181

Cross Section -0.275 To 10.09 %

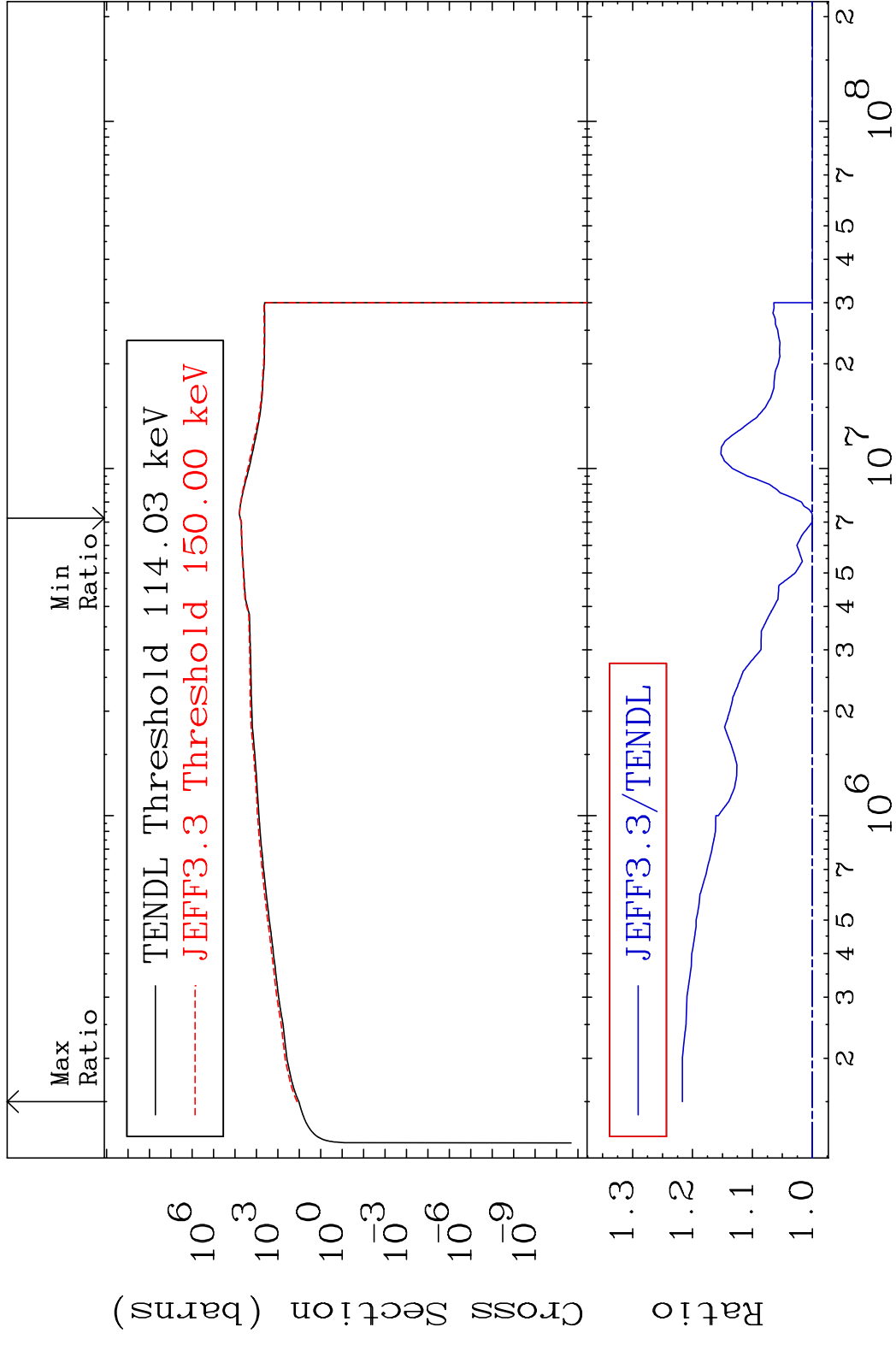


77

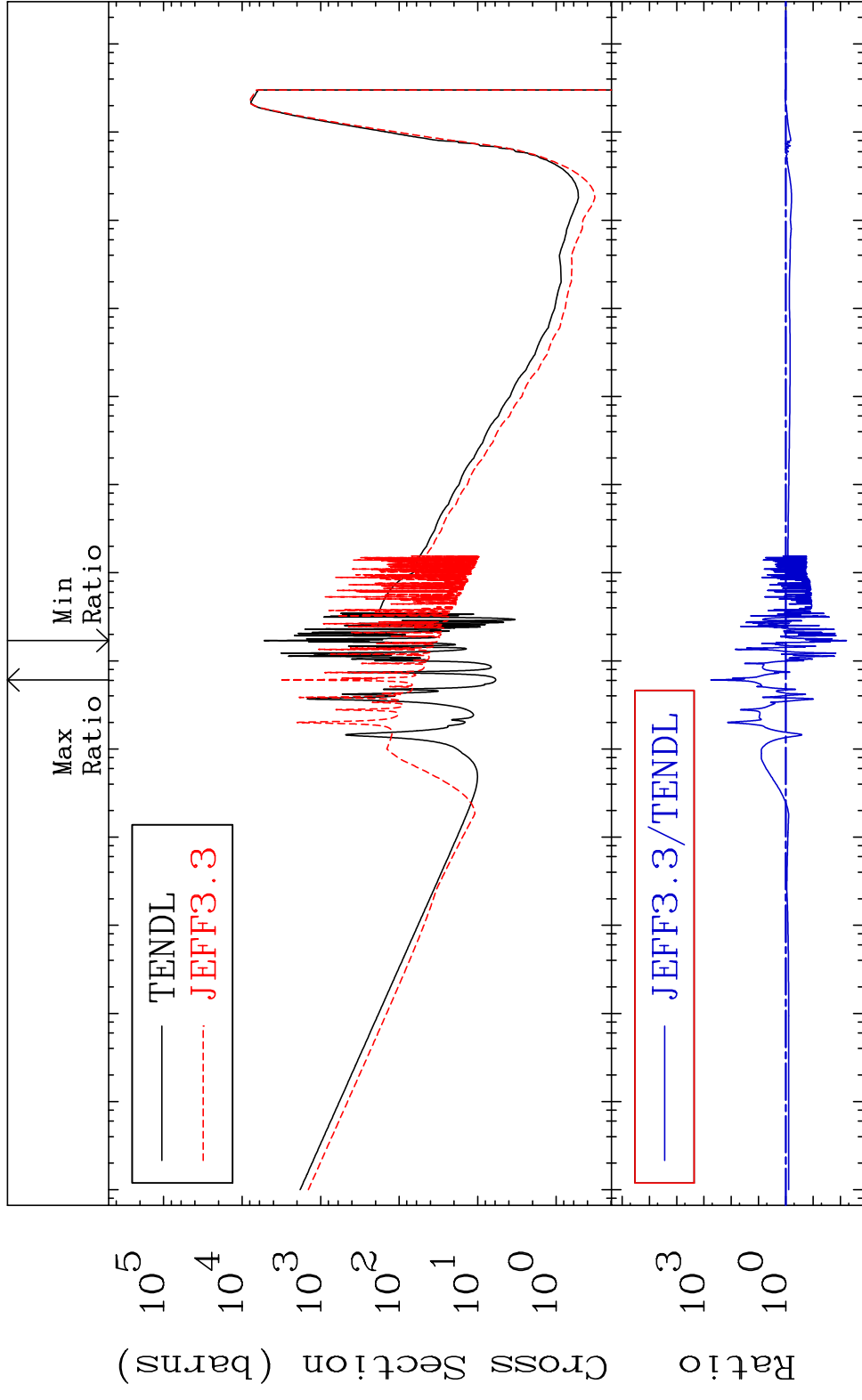
Incident Energy (eV)

74-W -181

MAT 7428      Dpa inelastic (mt51-91)      74-W -181  
 Cross Section    -0.044 To 21.70 %

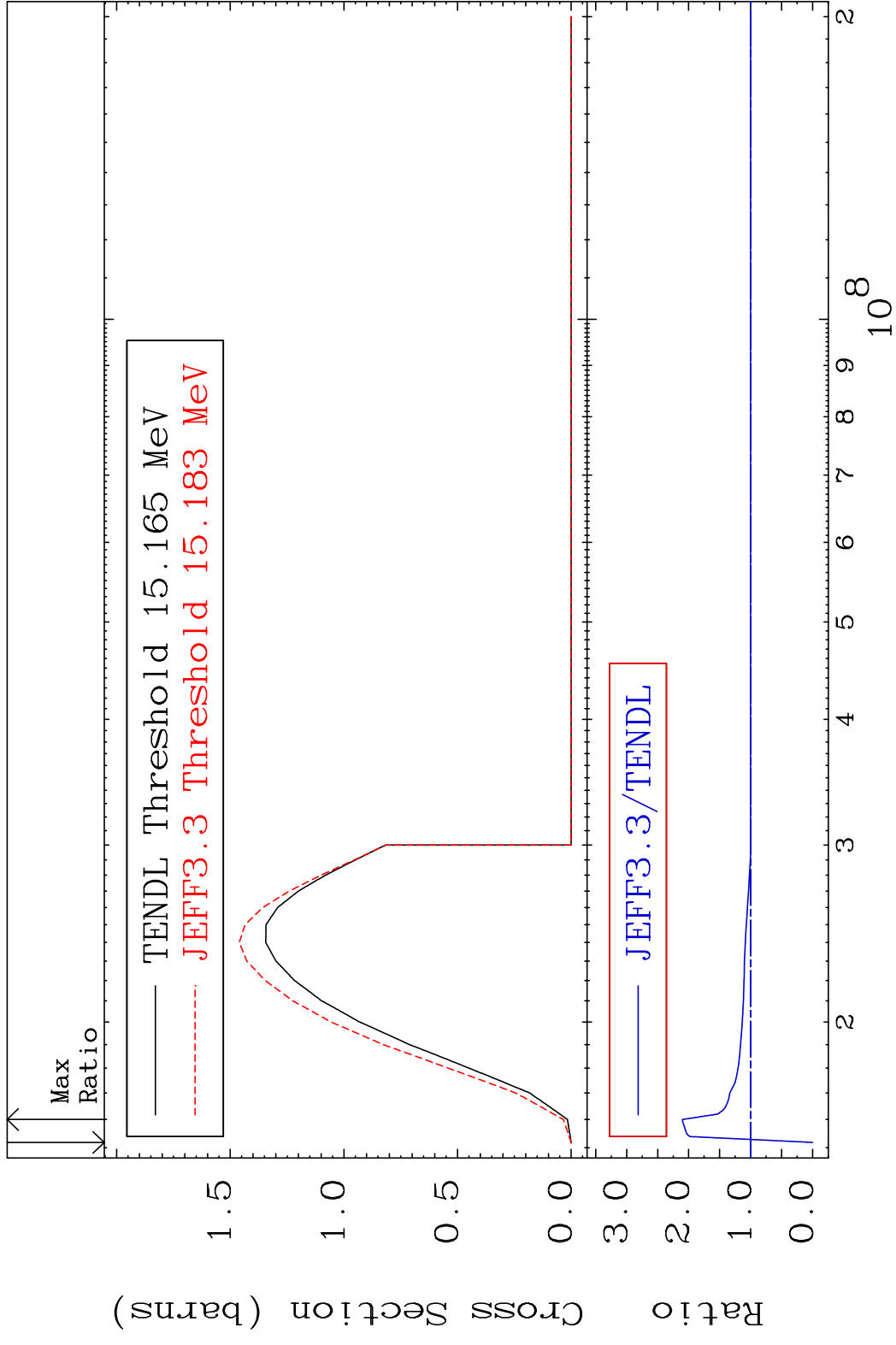


MAT 7428 Dpa disappearance (mt102 -120) 74-W -181  
 Cross Section -99.39 To 9999. %

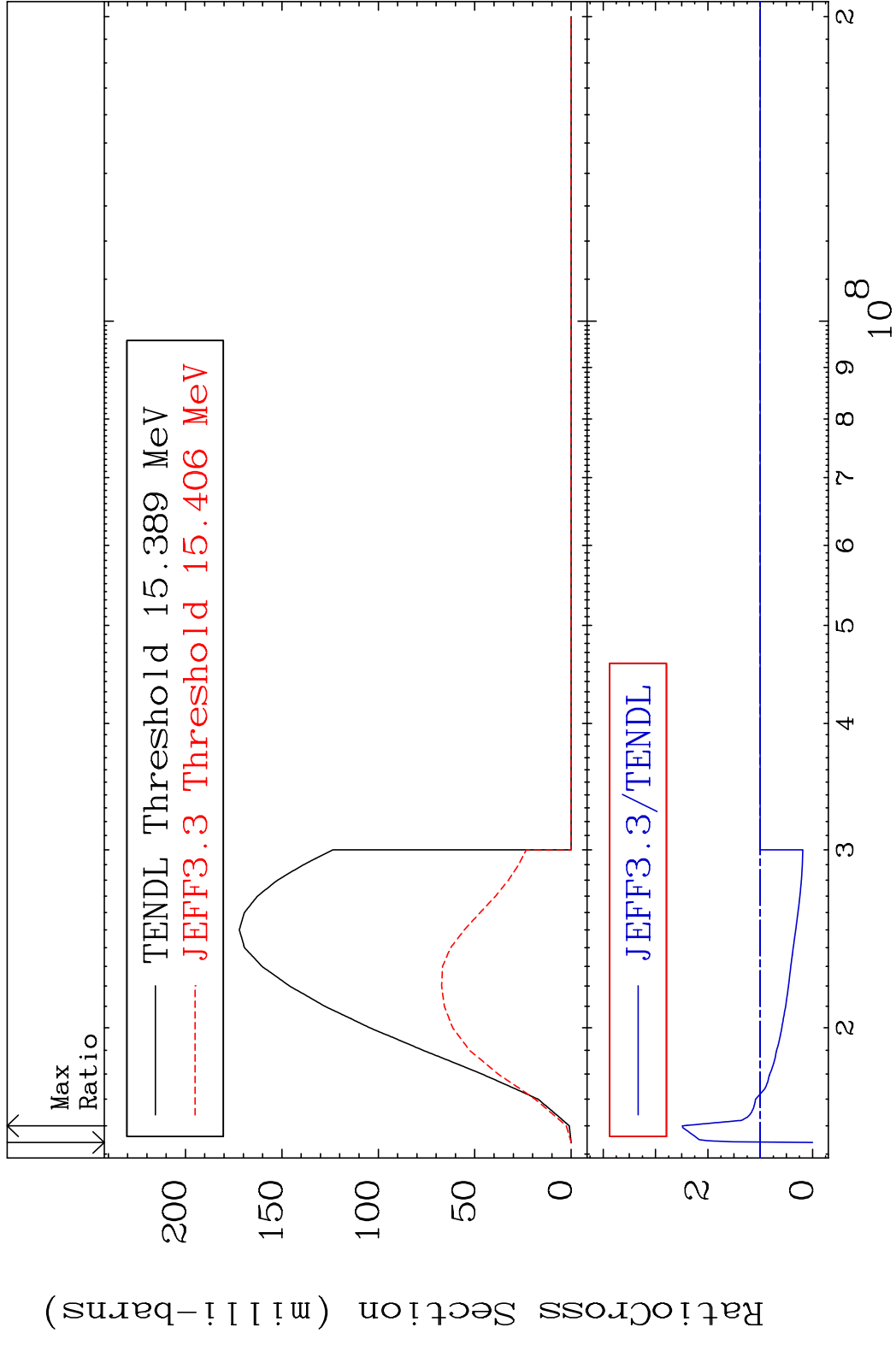




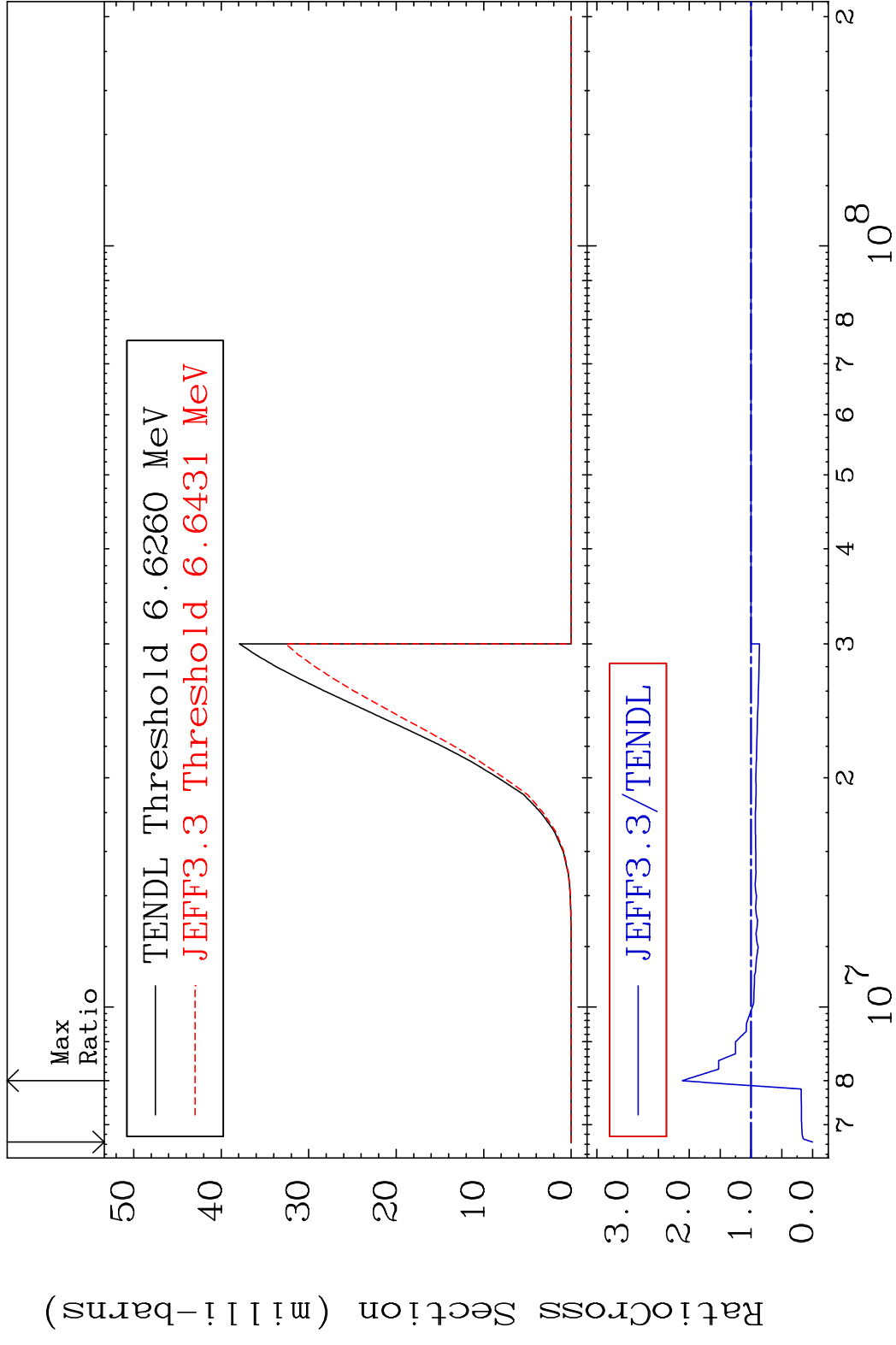
MAT 7428 (n,3n):74-W -179g 74-W -181  
 Radionuclide Production Cross Section 180.0 dth 110.2 %

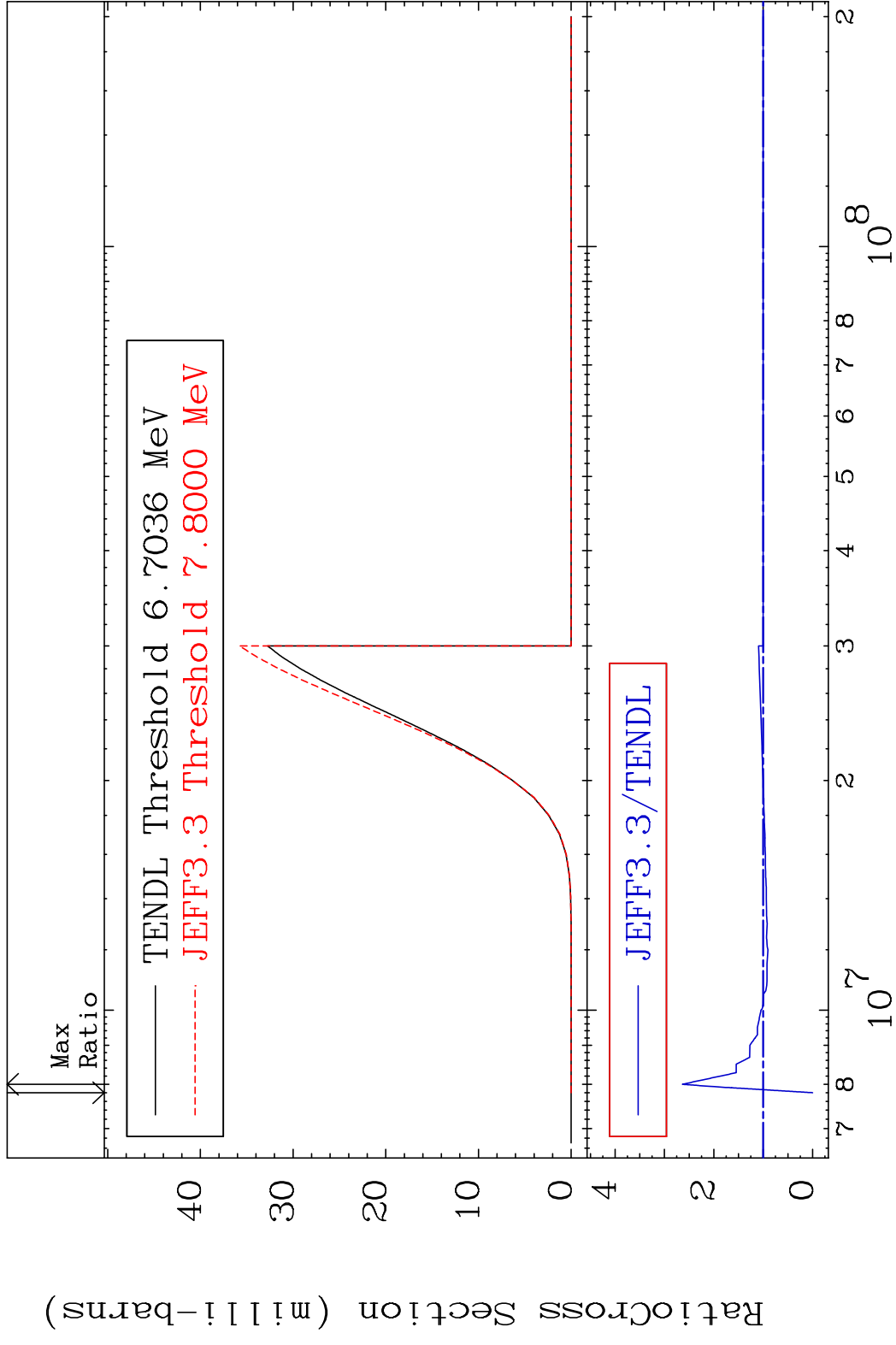


MAT 7428 (n, 3n): 74-W -179m2 74-W -181  
 Radionuclide Production Cross Section 180.0 mb 148.7 %

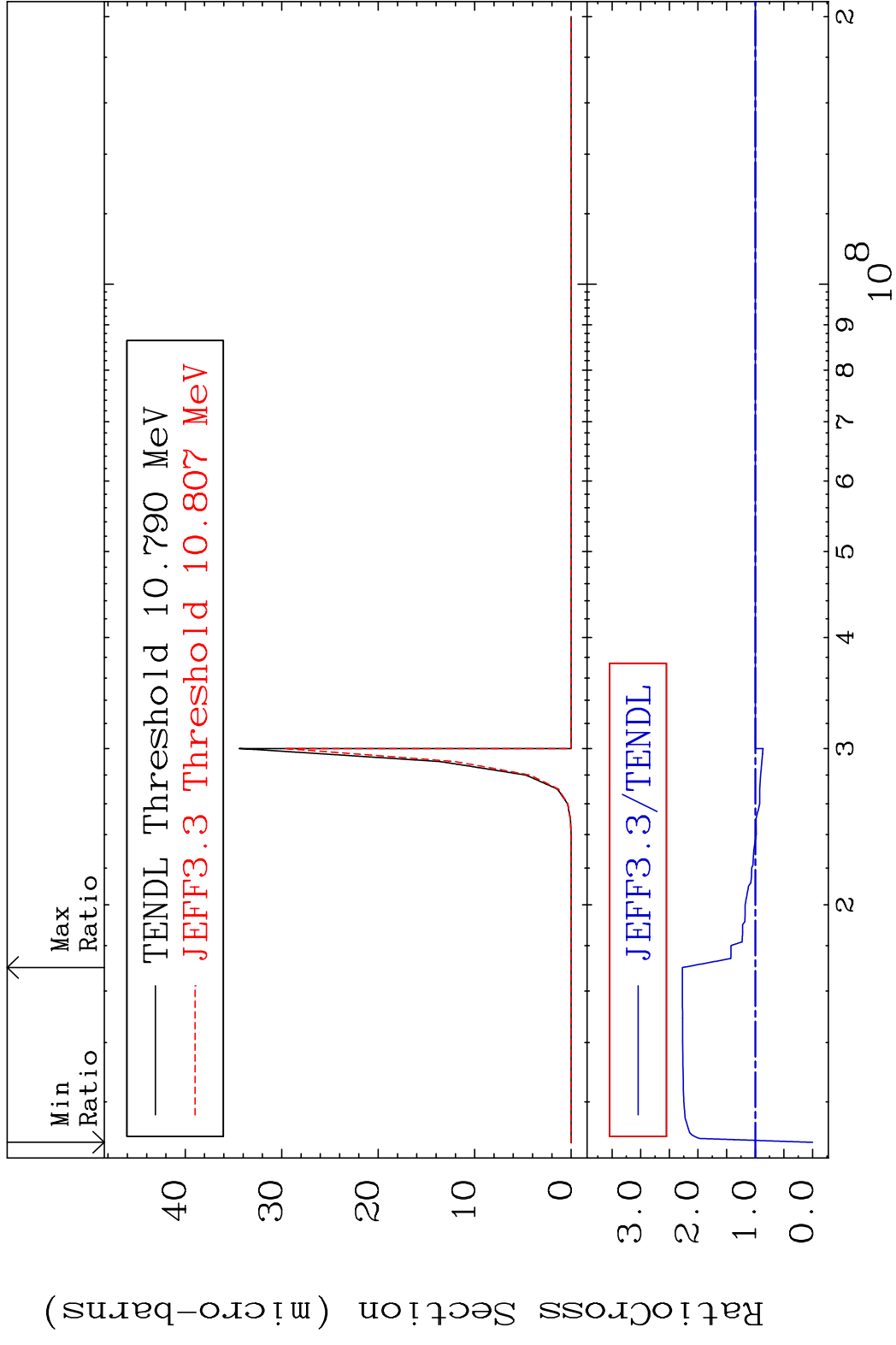


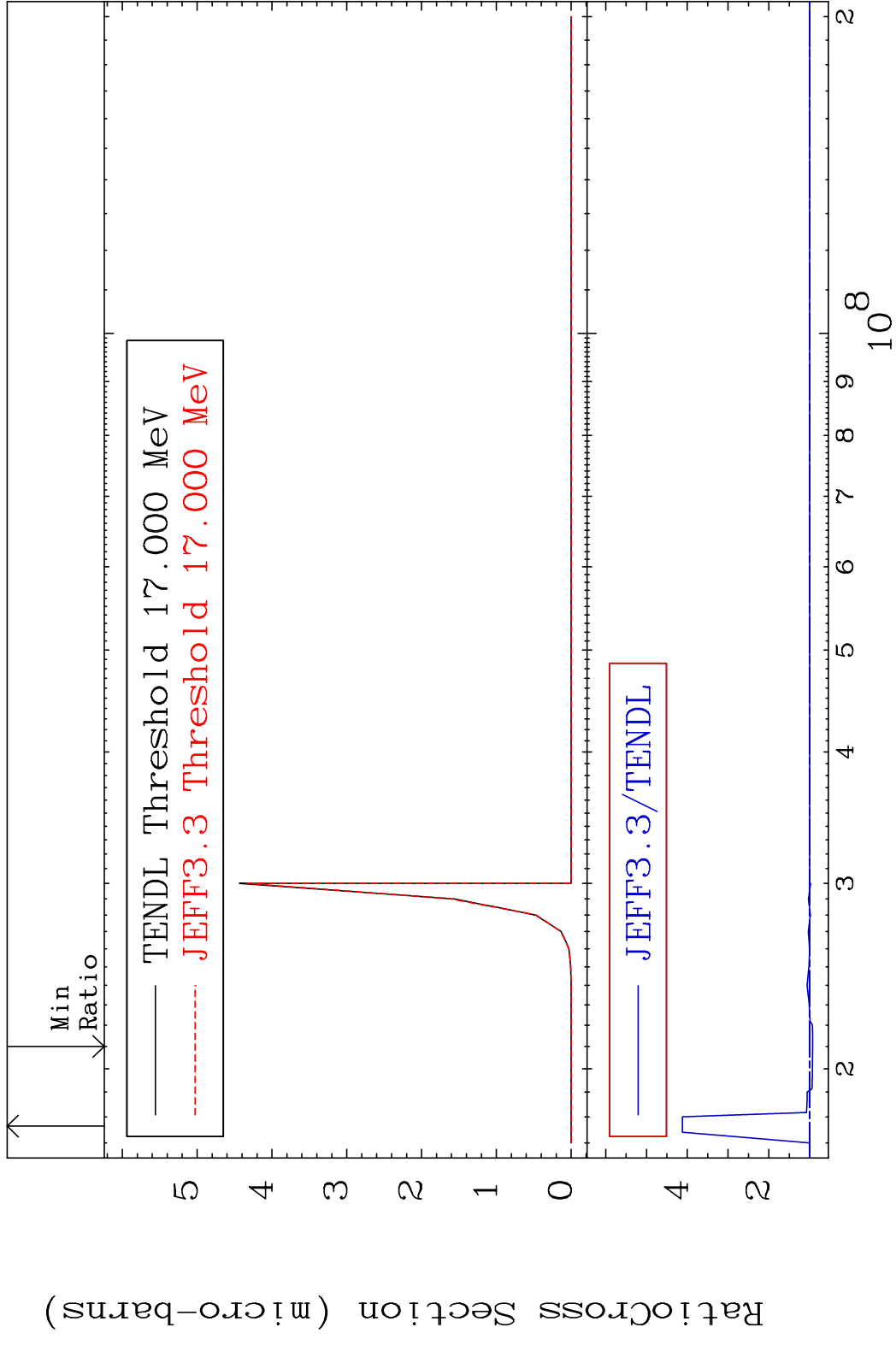
MAT 7428 (n, n') p:73-Ta-180g 74-W -181  
 Radionuclide Production Cross Section 180g Ta-180 to 111.3 %

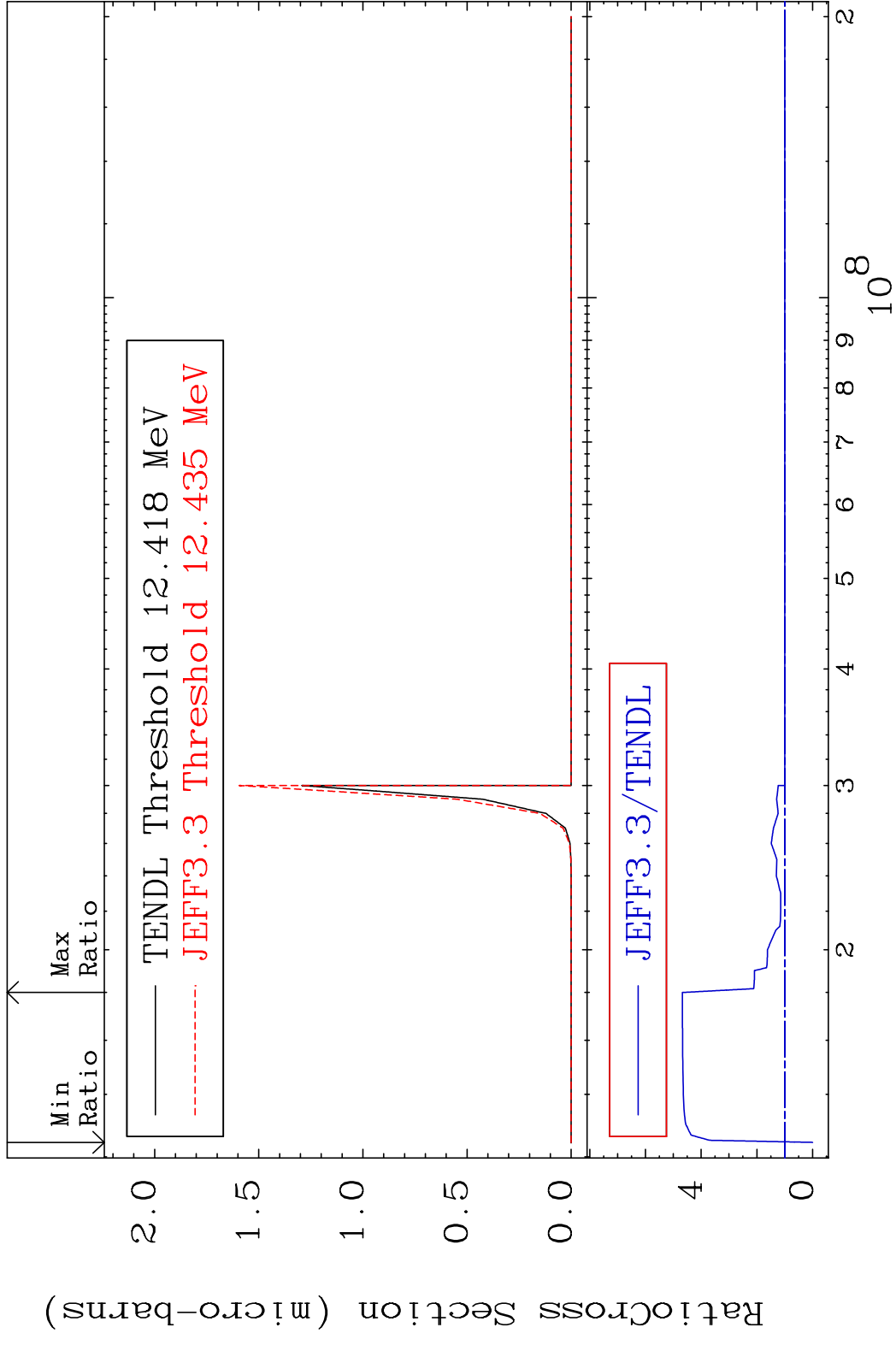


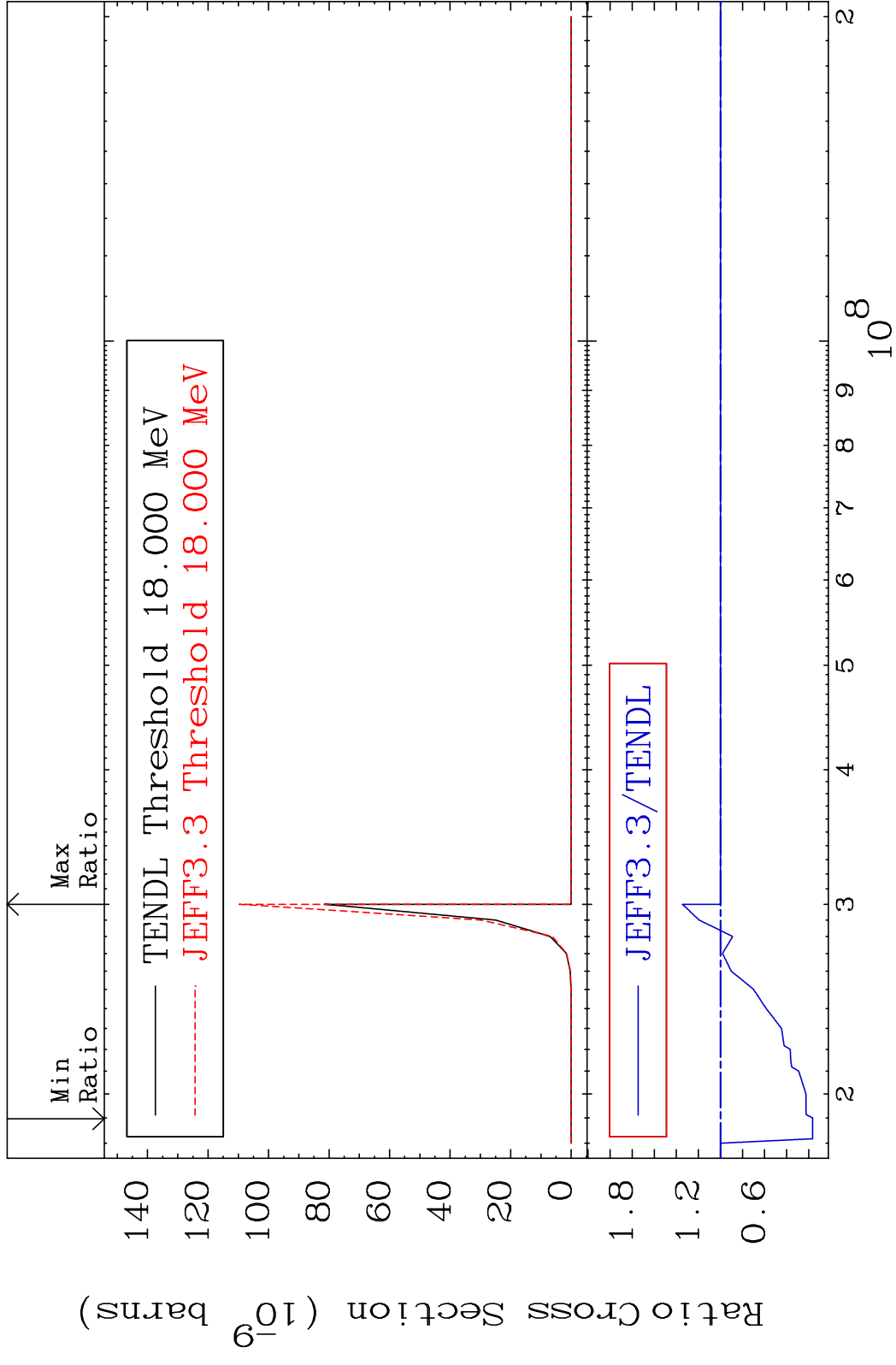


MAT 7428 (n, n') He-3:72-Hf-178g 74-W -181  
 Radionuclide Production Cross Section 180.0 dth 127.3 %

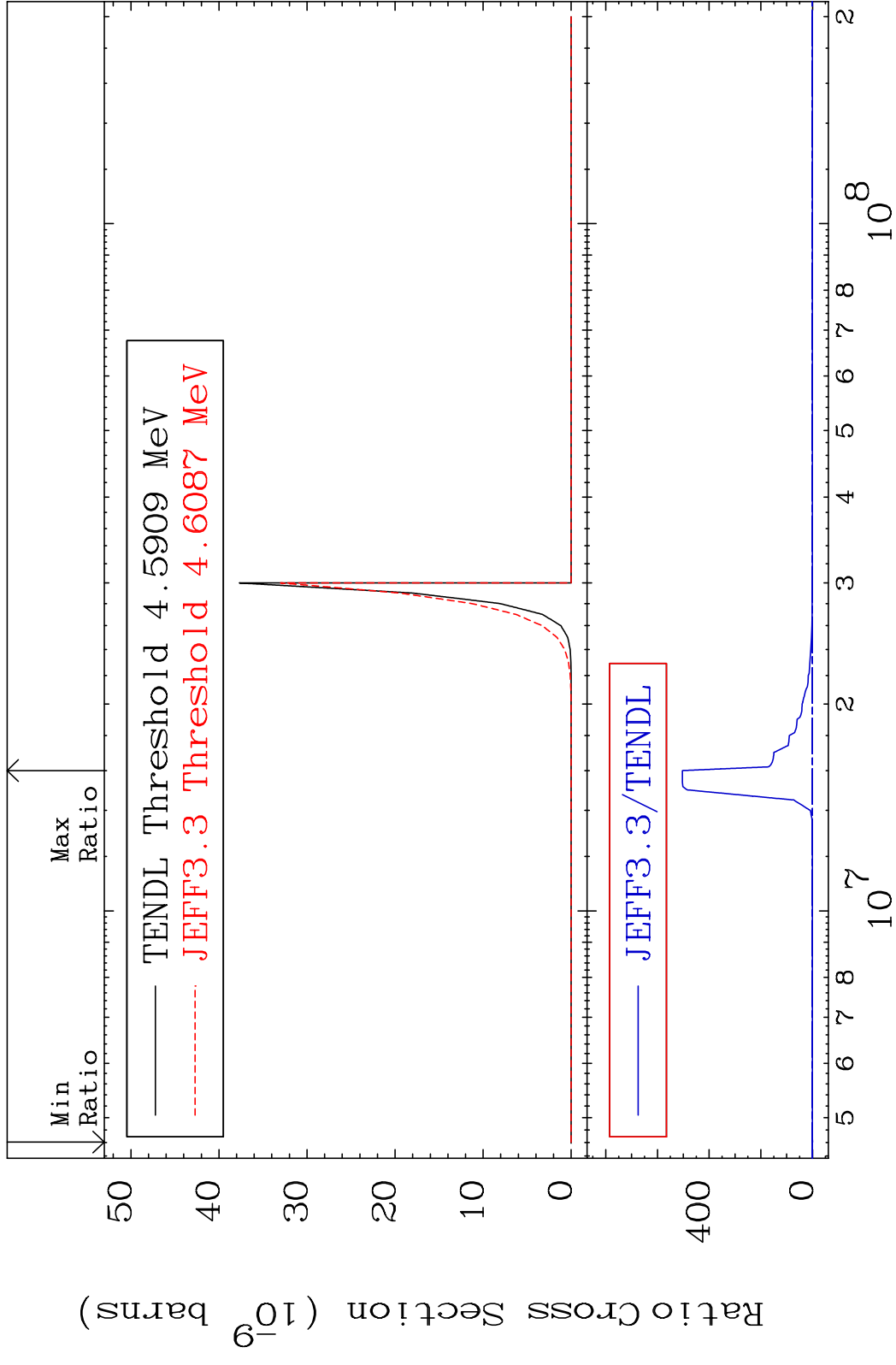


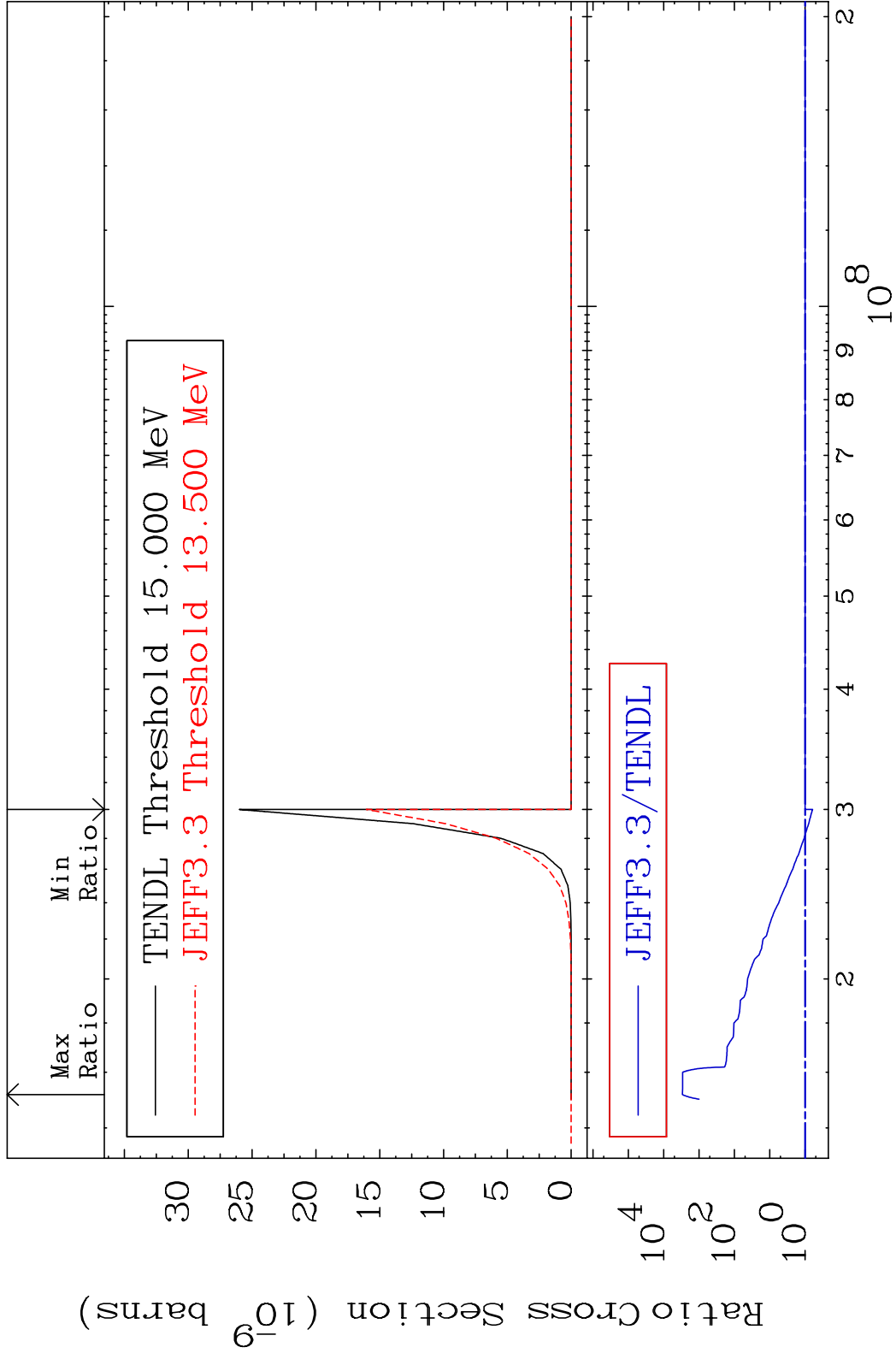




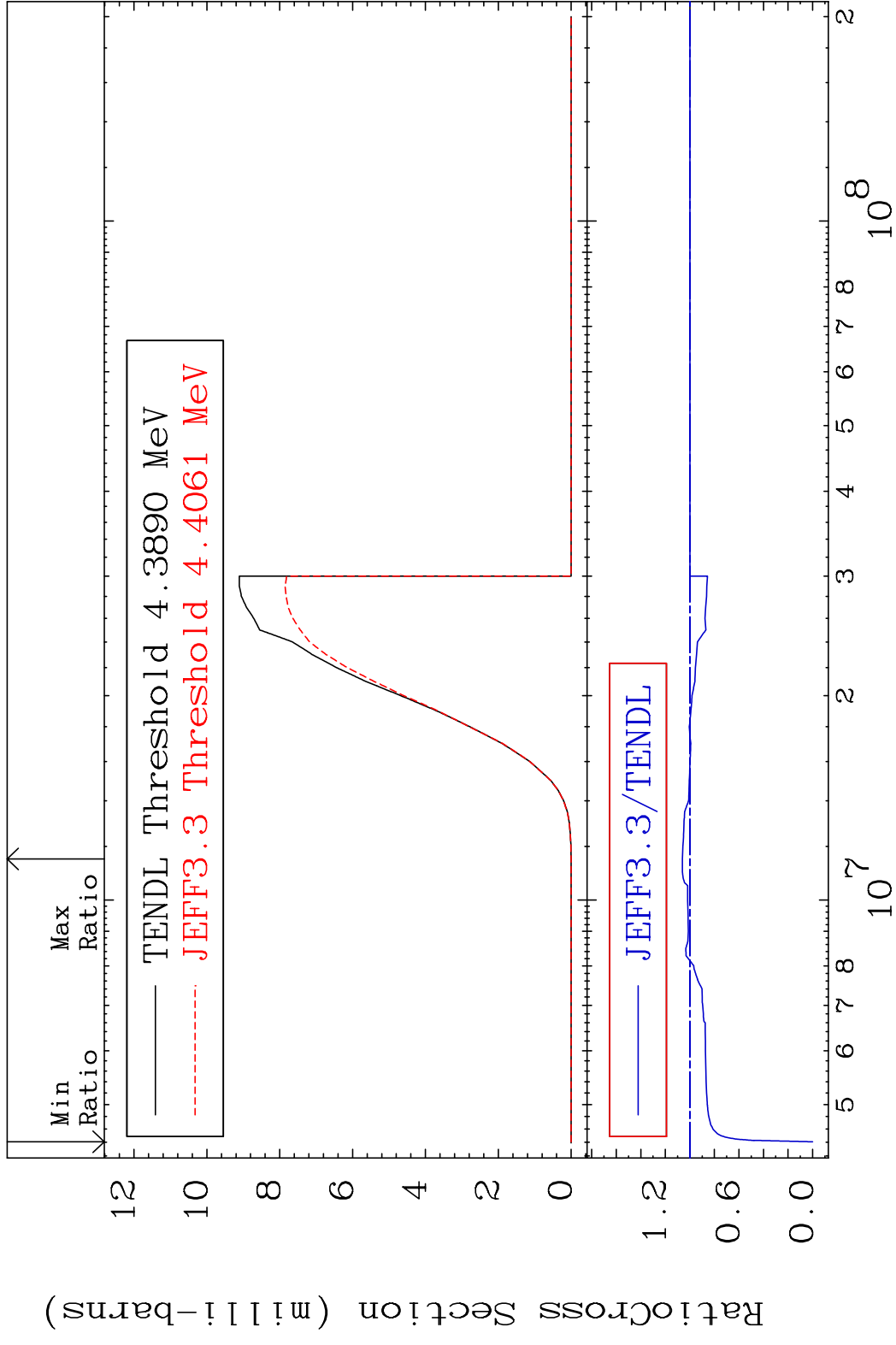




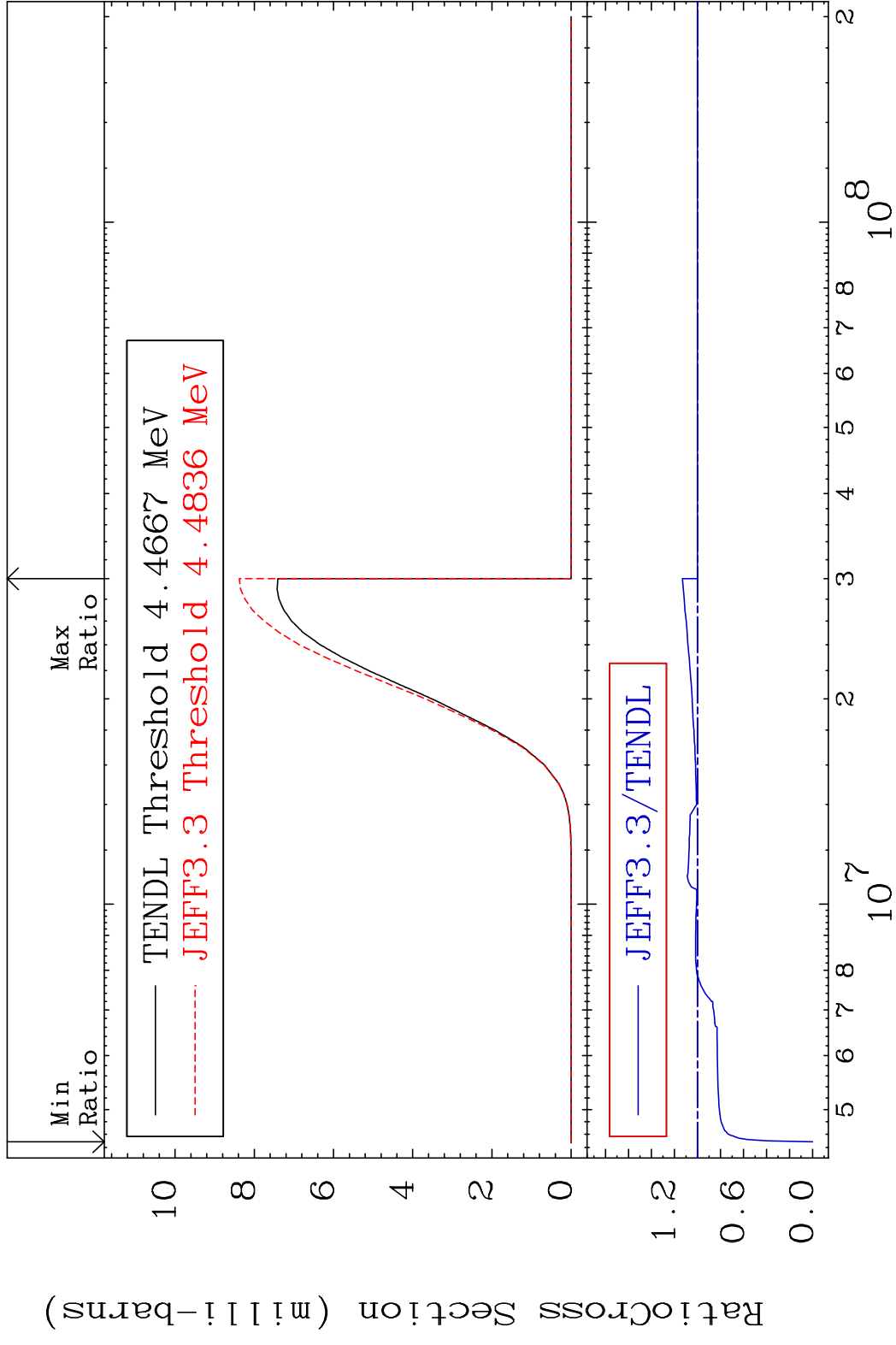


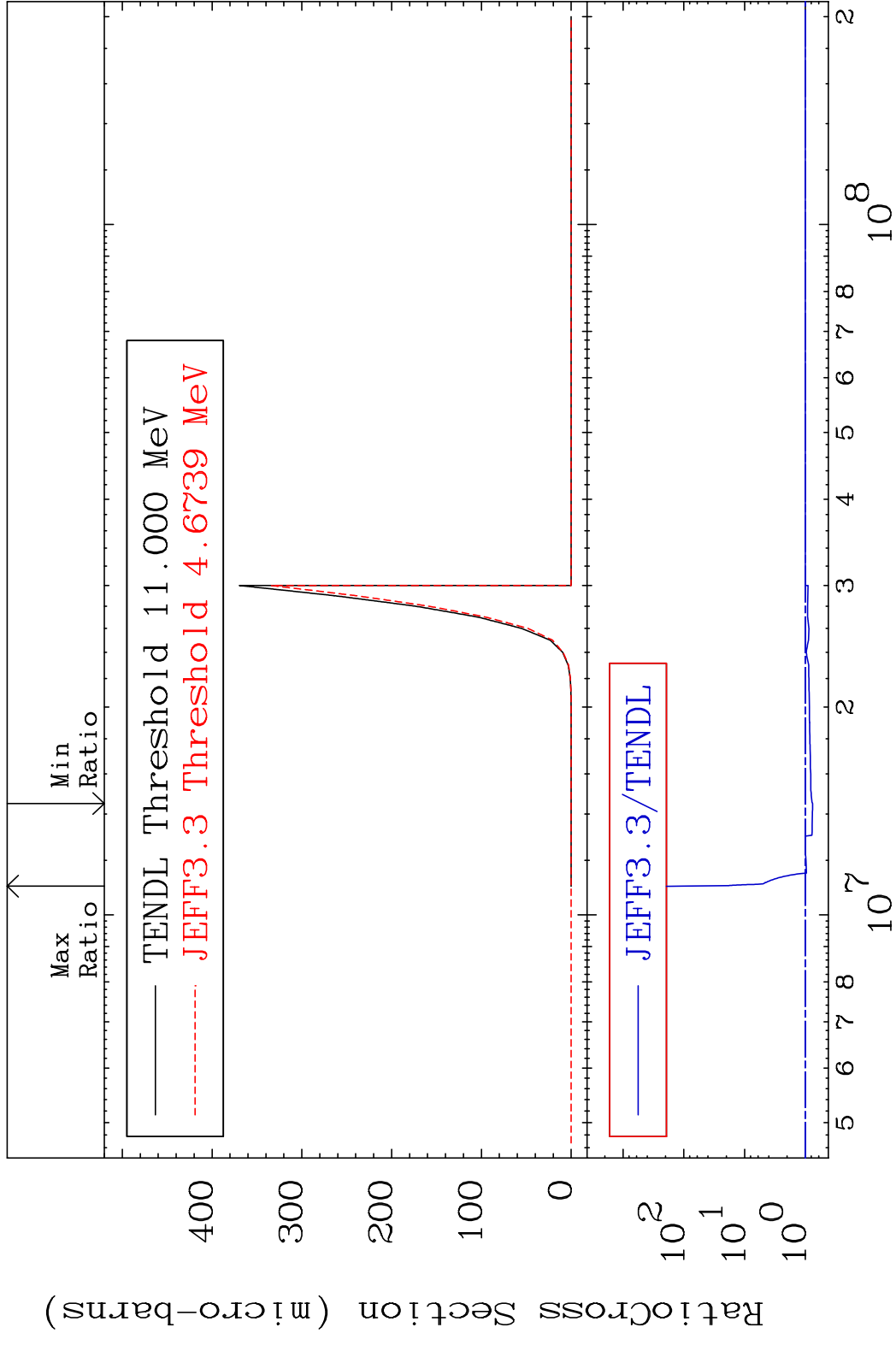


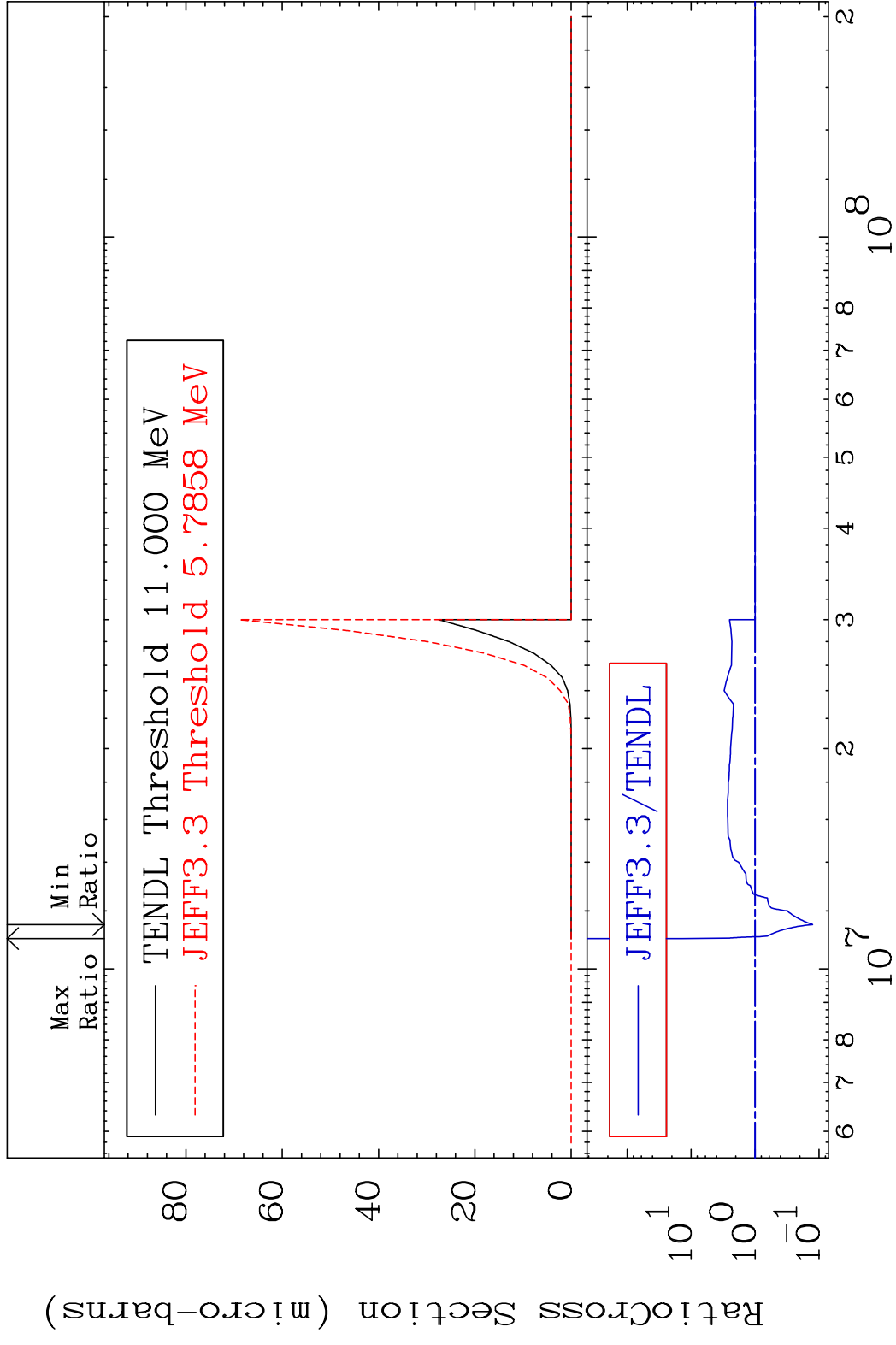
MAT 7428 (n, d): 73-Ta-180g 74-W -181  
 Radionuclide Production Cross Section 6.129 %



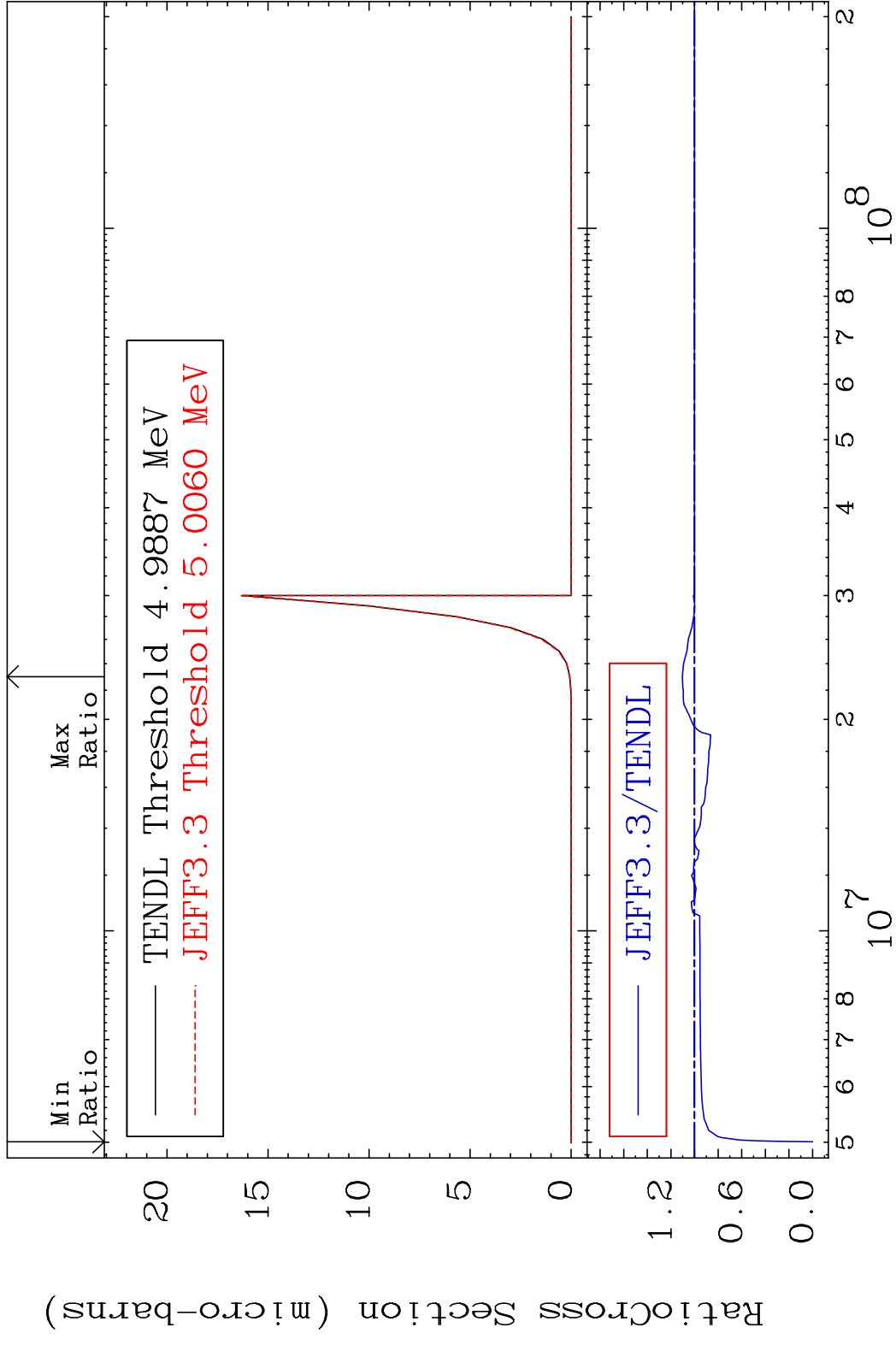
MAT 7428 (n, d): 73-Ta-180m2 74-W -181  
 Radionuclide Production Cross Section 13.17 %



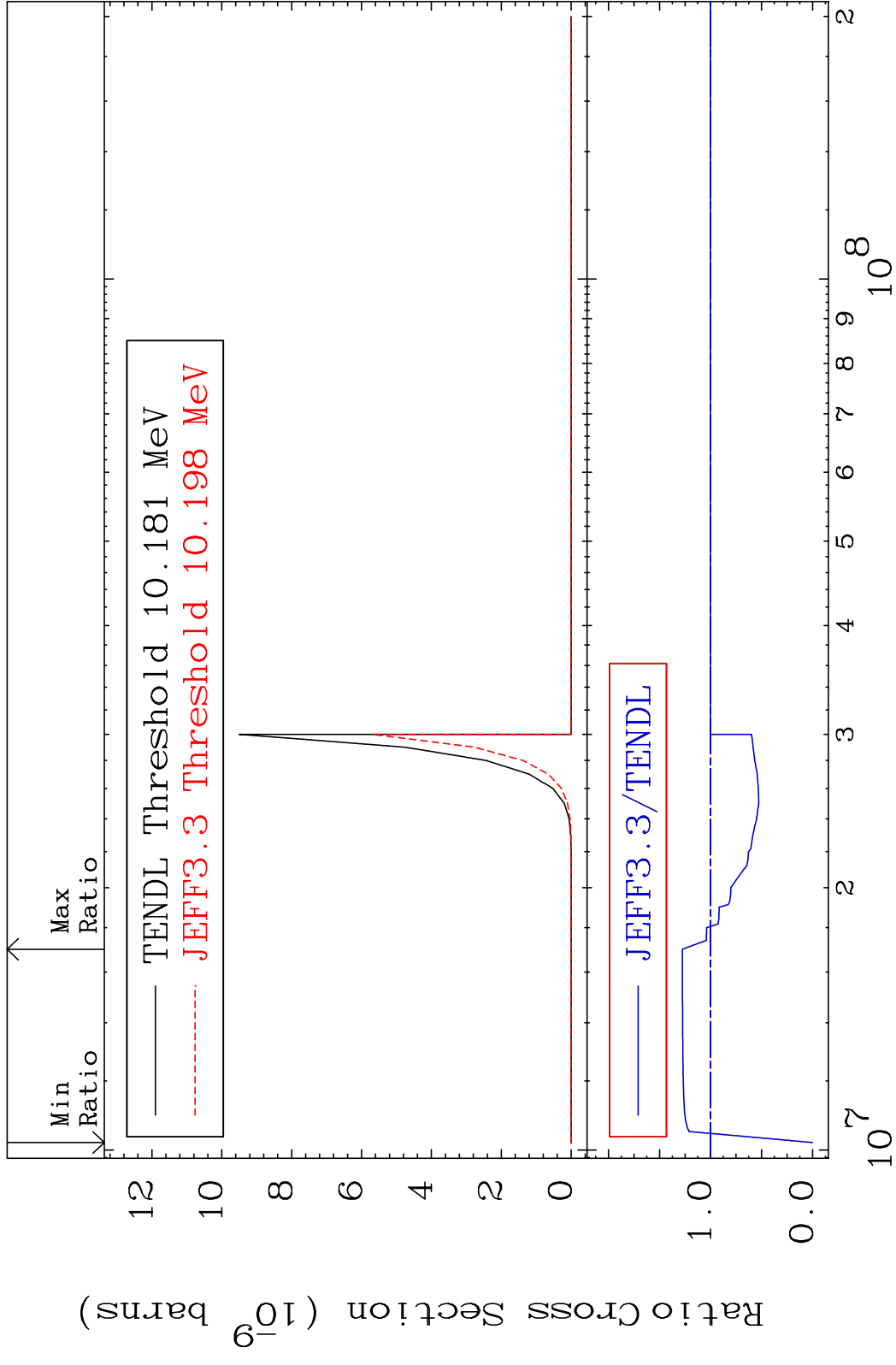




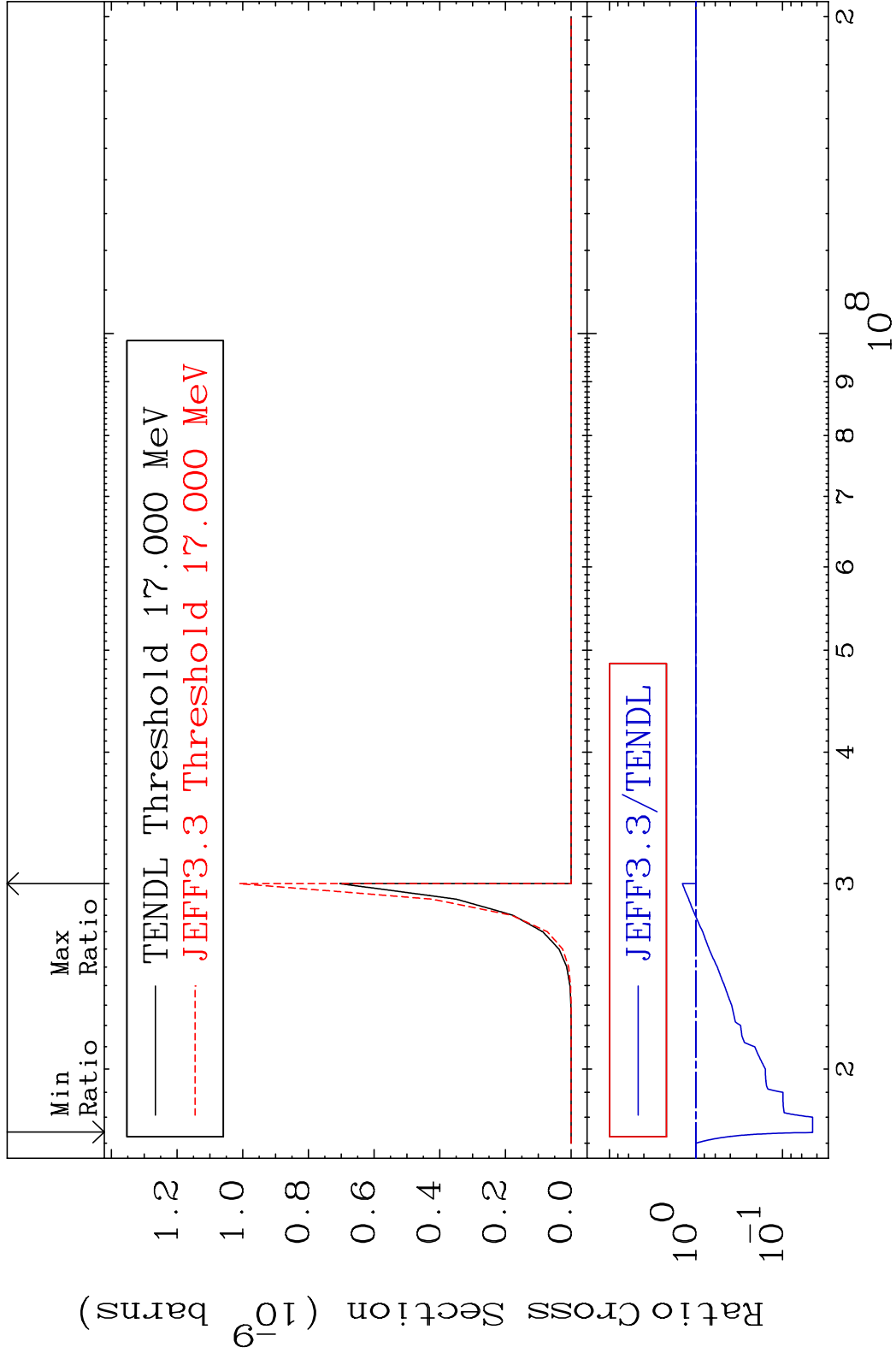
MAT 7428 (n,2p):72-Hf-180g 74-W -181  
 Radionuclide Production Cross Section 10.30 %

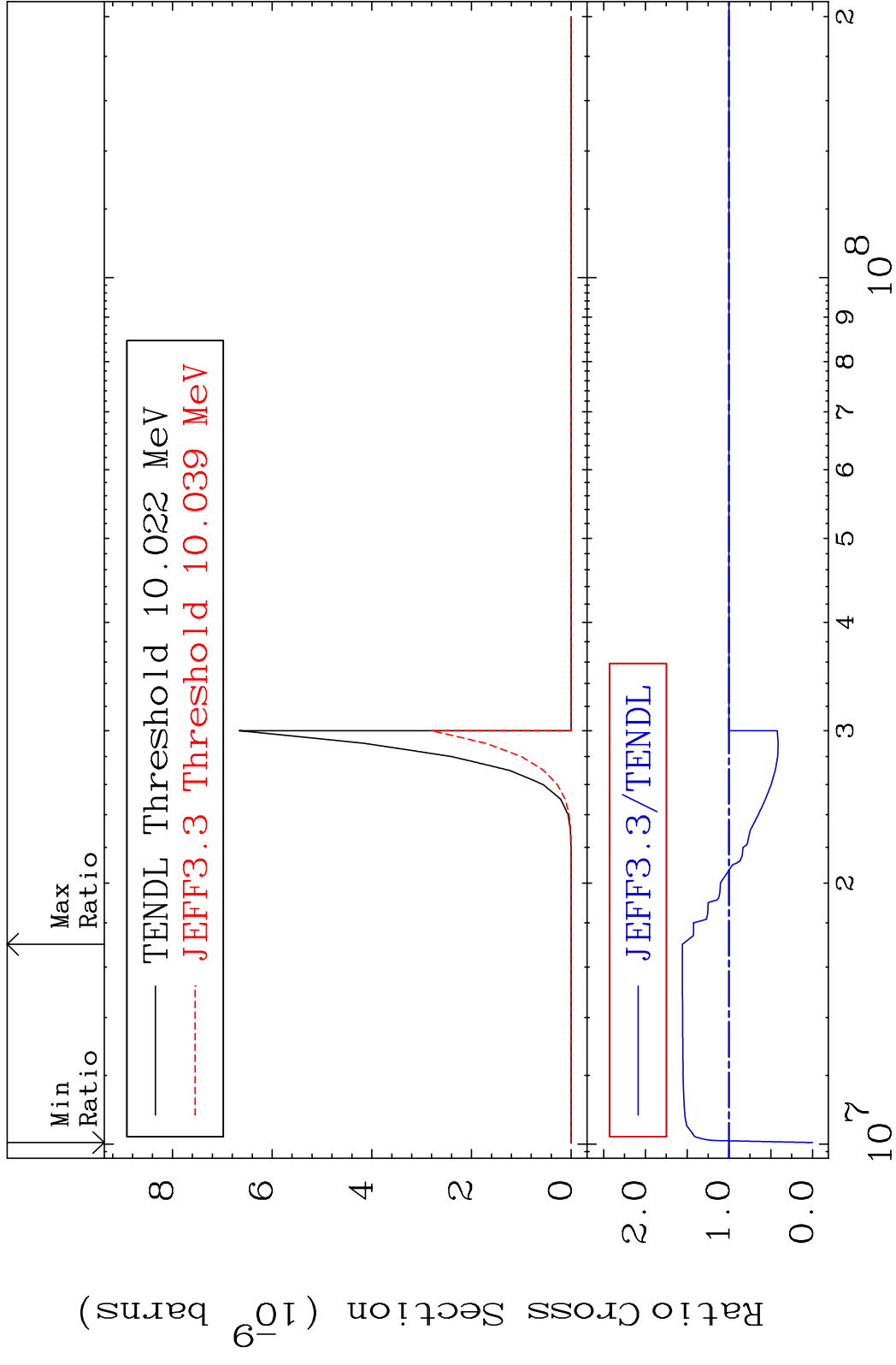


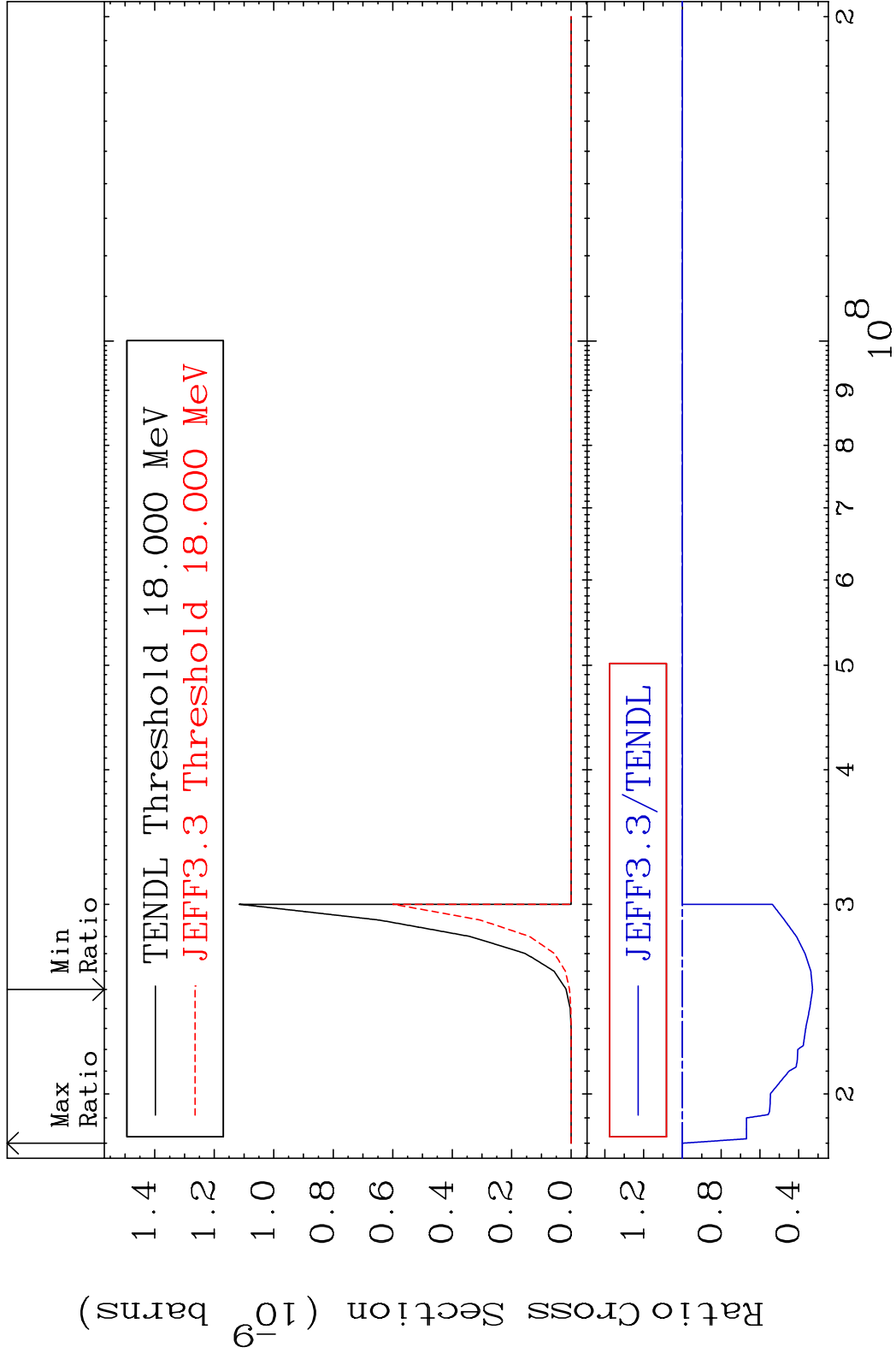
MAT 7428 (n,p) d:72-Hf-179g 74-W -181  
 Radionuclide Production Cross Section Ratio 27.61 %



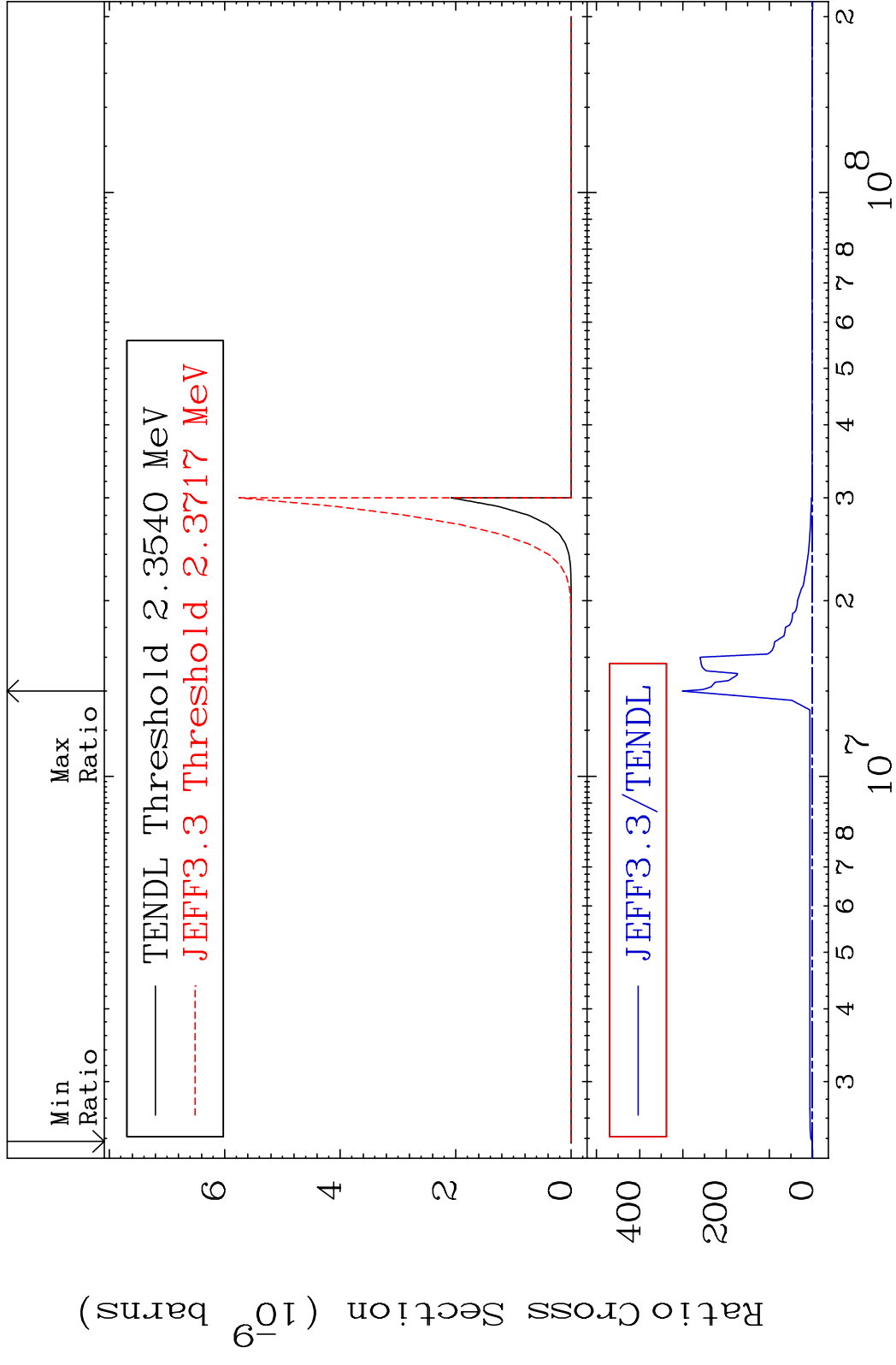




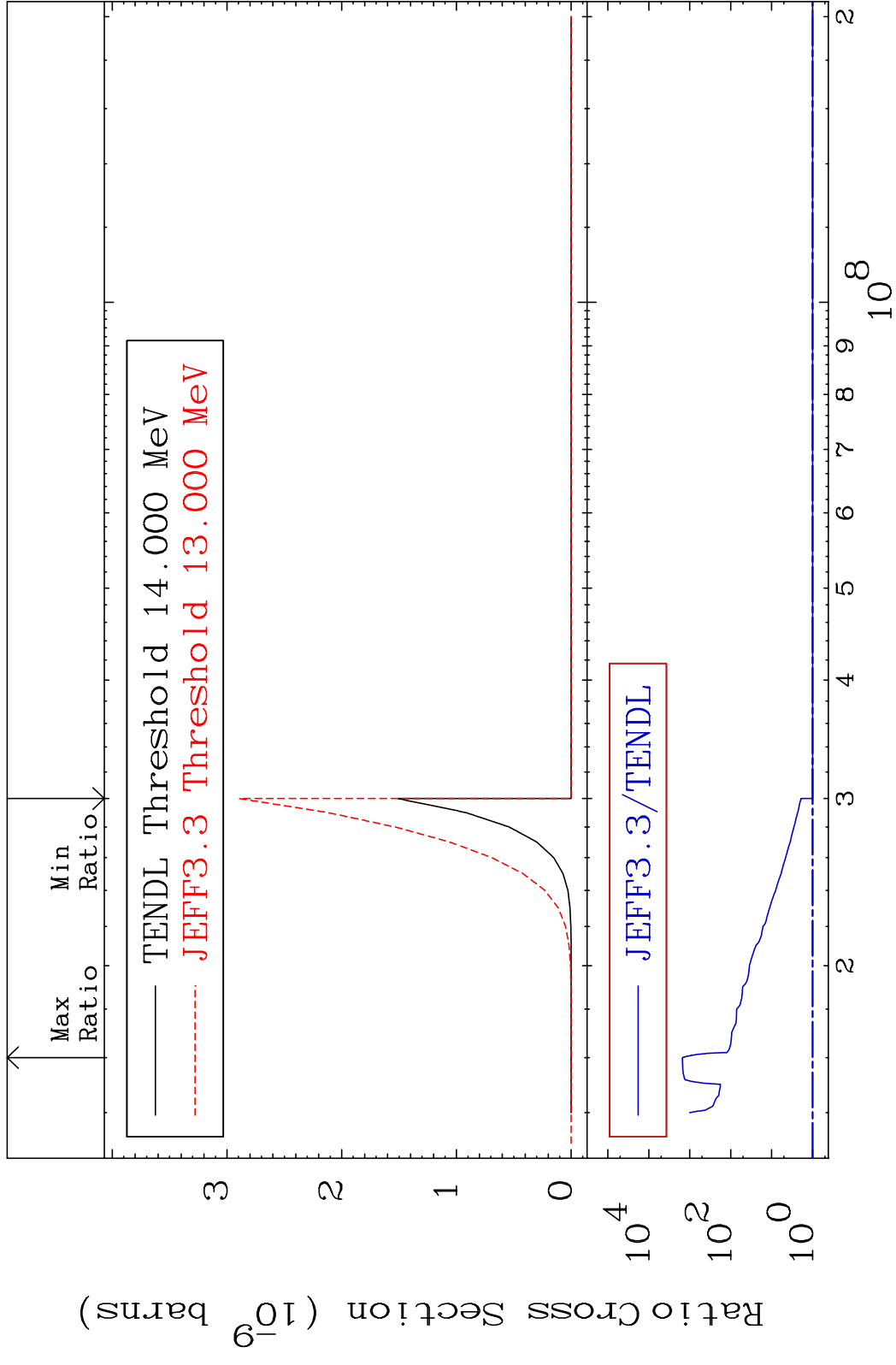




MAT 7428 (n, d)  $\alpha$ :71-Lu-176g 74-W -181  
 Radionuclide Production Cross Section Ratio 9999. %



MAT 7428 (n,d)  $\alpha$ :71-Lu-176m1 74-W -181  
 Radionuclide Production Cross Section 9999. %



100 Incident Energy (eV) 74-W -181