

Program Complot  
(Version 2021-1)

by

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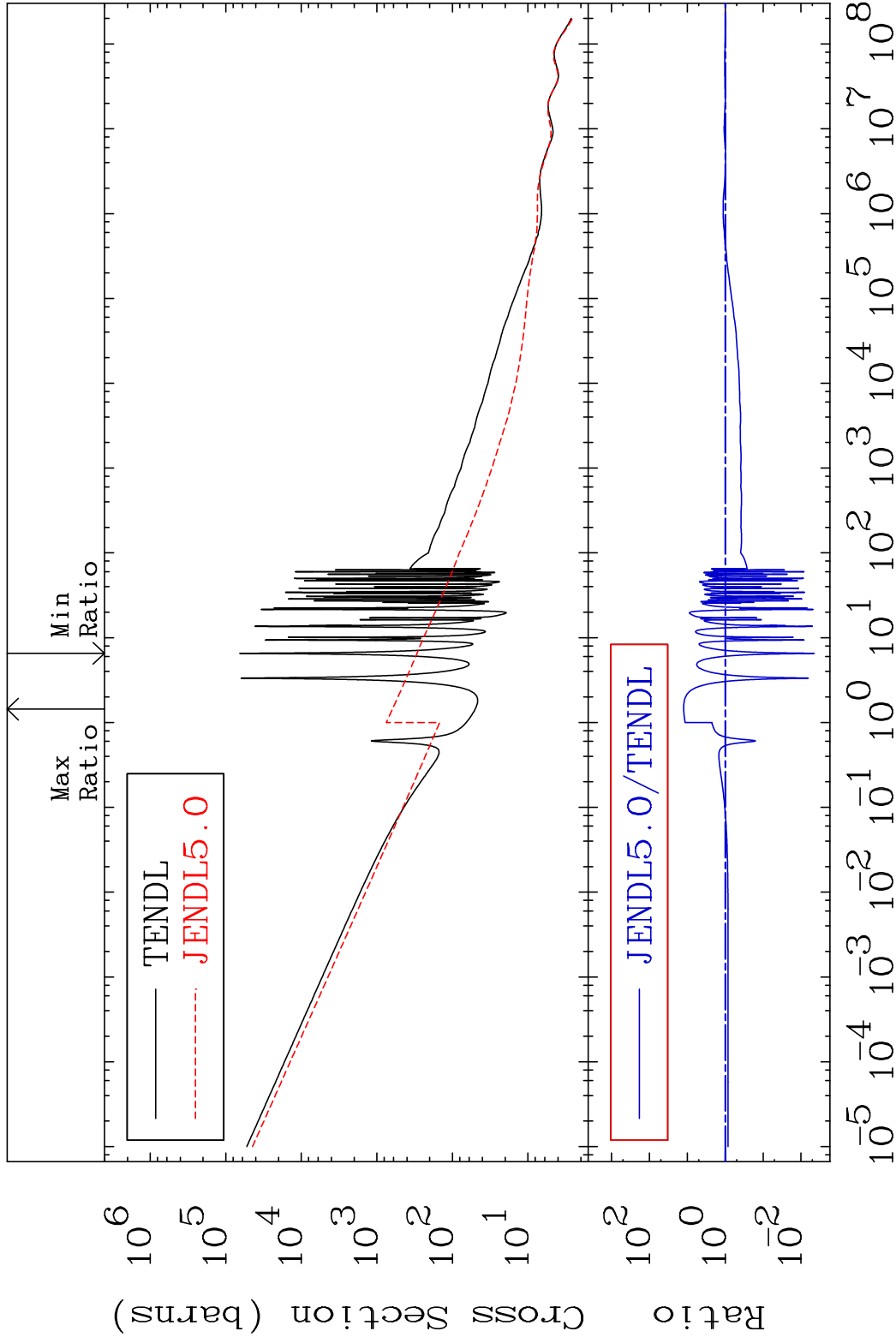
Press Mouse Button to Start

MAT 7131

Total

71-Lu-177

Cross Section -99.55 To 1147. %



1

Incident Energy (eV)

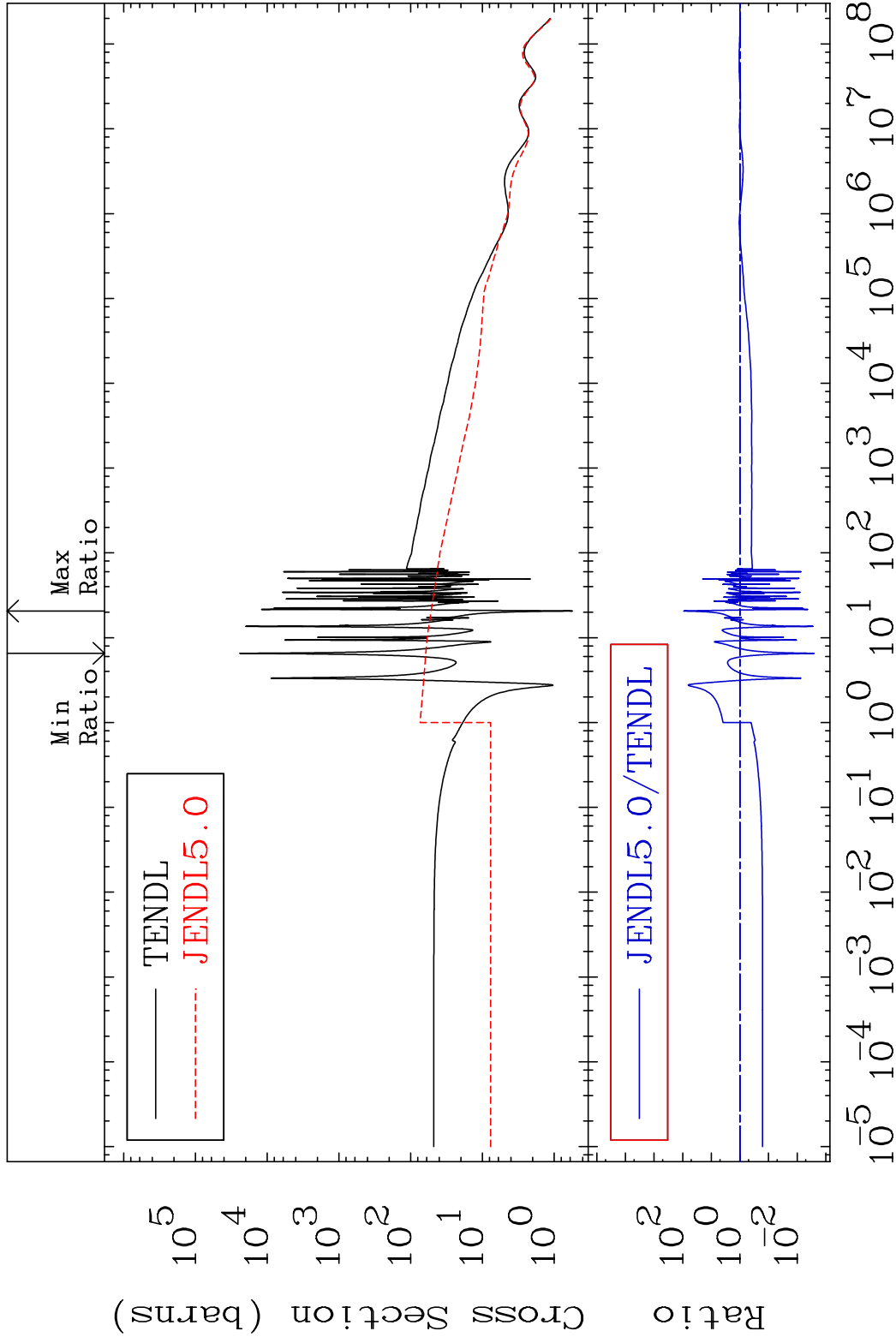
71-Lu-177

MAT 7131

71-Lu-177

Elastic

Cross Section -99.74 To 9164. %

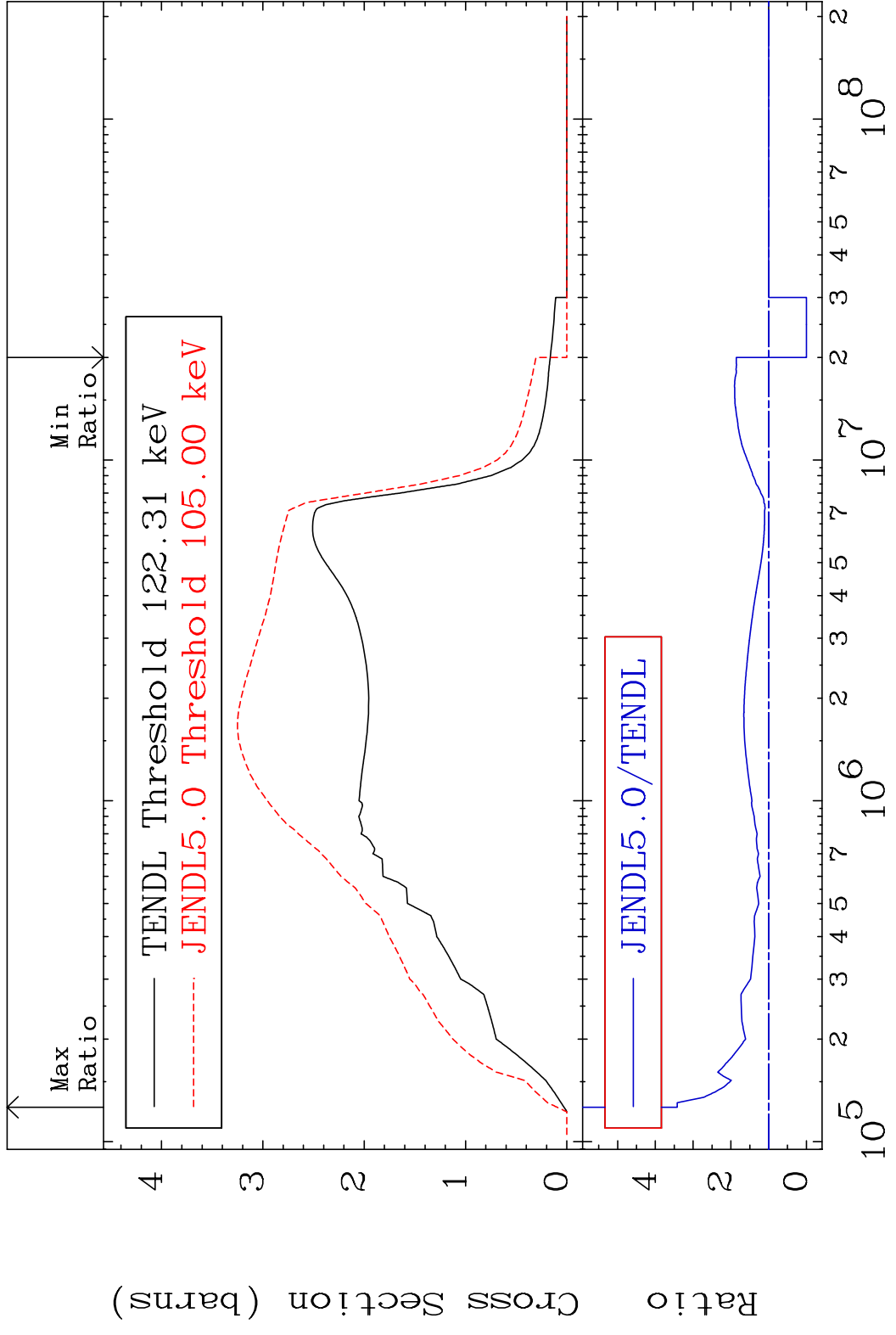


2

Incident Energy (eV)

71-Lu-177

MAT 7131                      Inelastic                      71-Lu-177  
 Cross Section                      -100.0 To 242.2 %



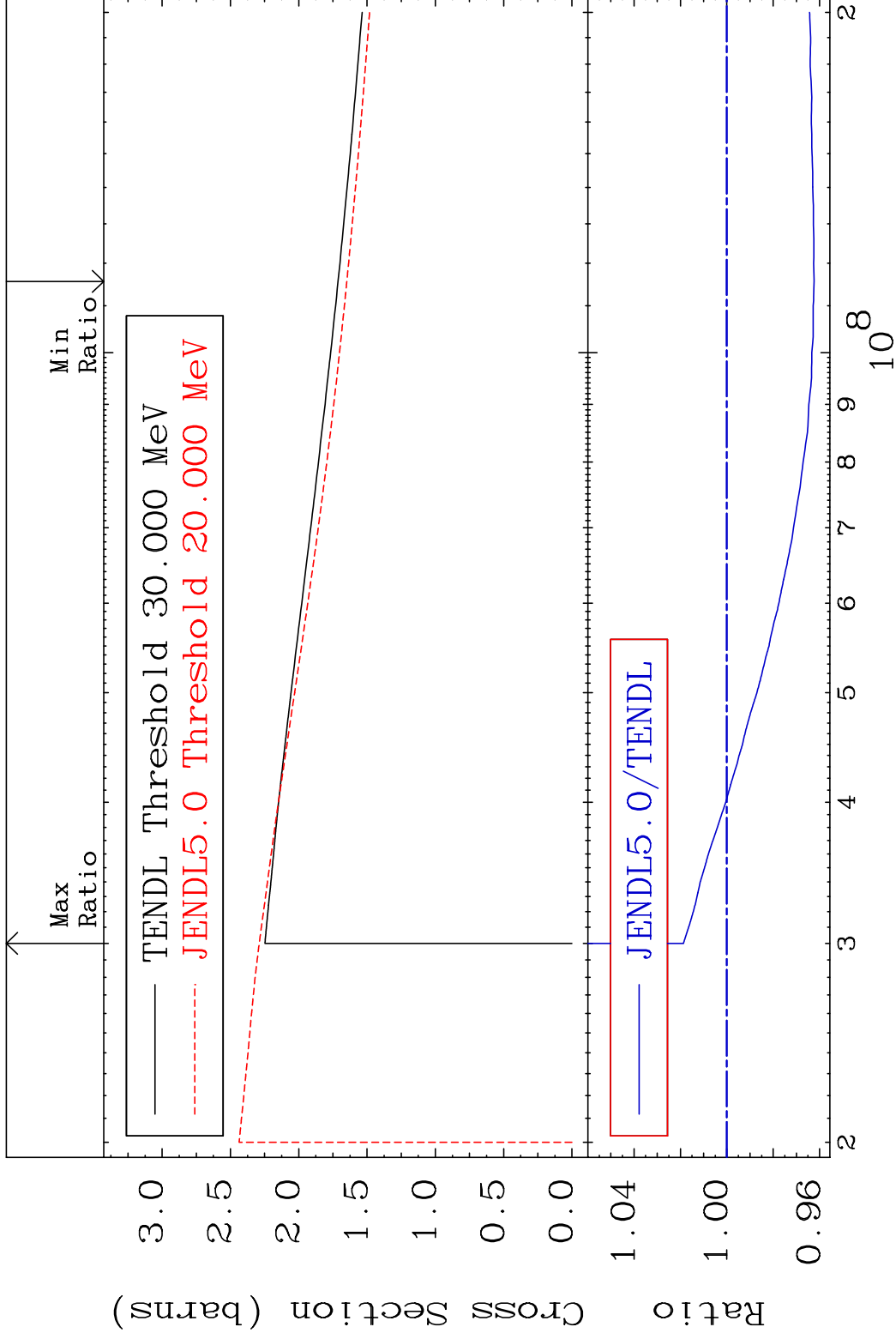
3                      Incident Energy (eV)                      71-Lu-177

MAT 7131

(n, remainder)

71-Lu-177

Cross Section -3.761 To 1.869 %



4

Incident Energy (eV)

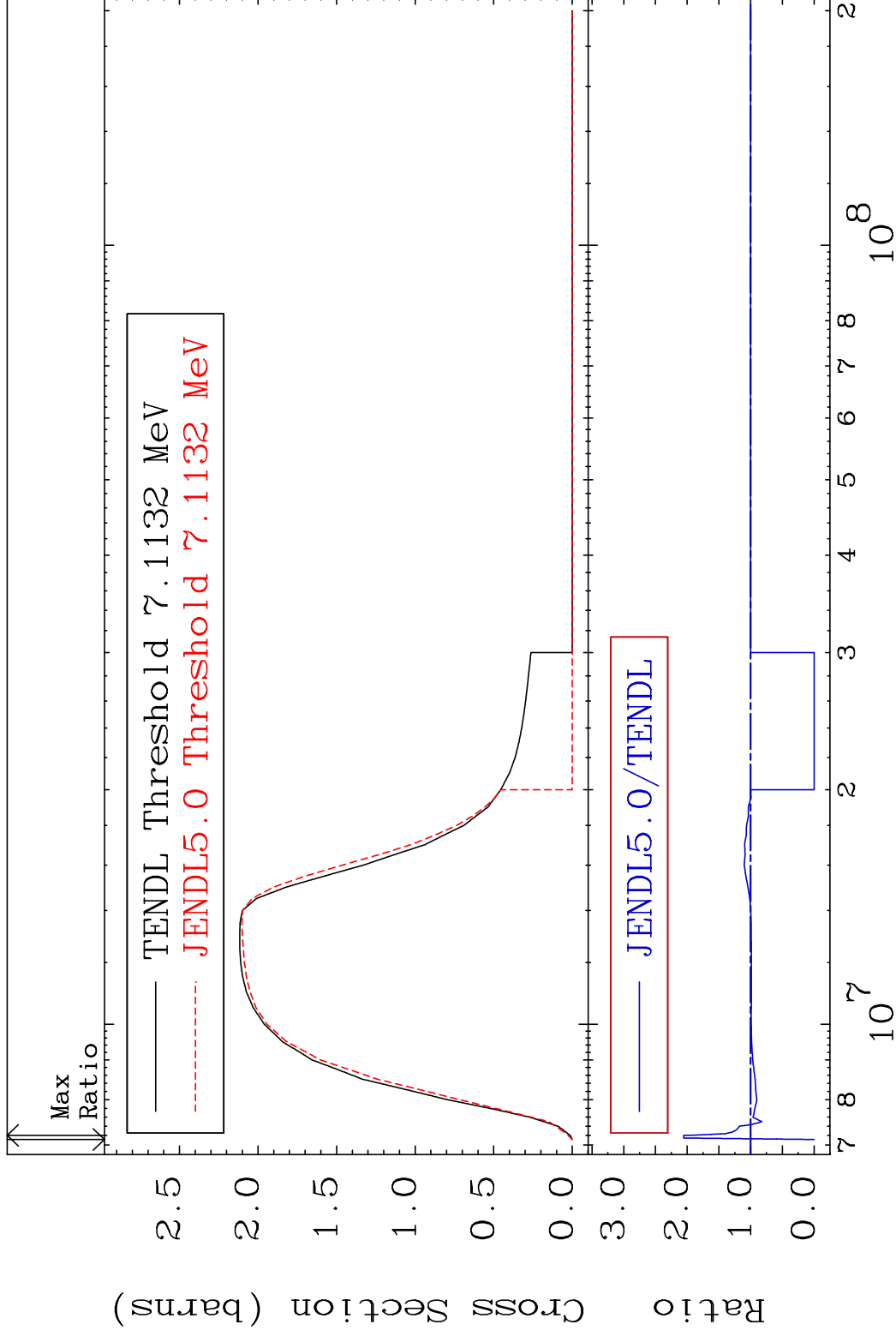
71-Lu-177

MAT 7131

(n,2n)

71-Lu-177

Cross Section -100.0 To 105.6 %



5

Incident Energy (eV)

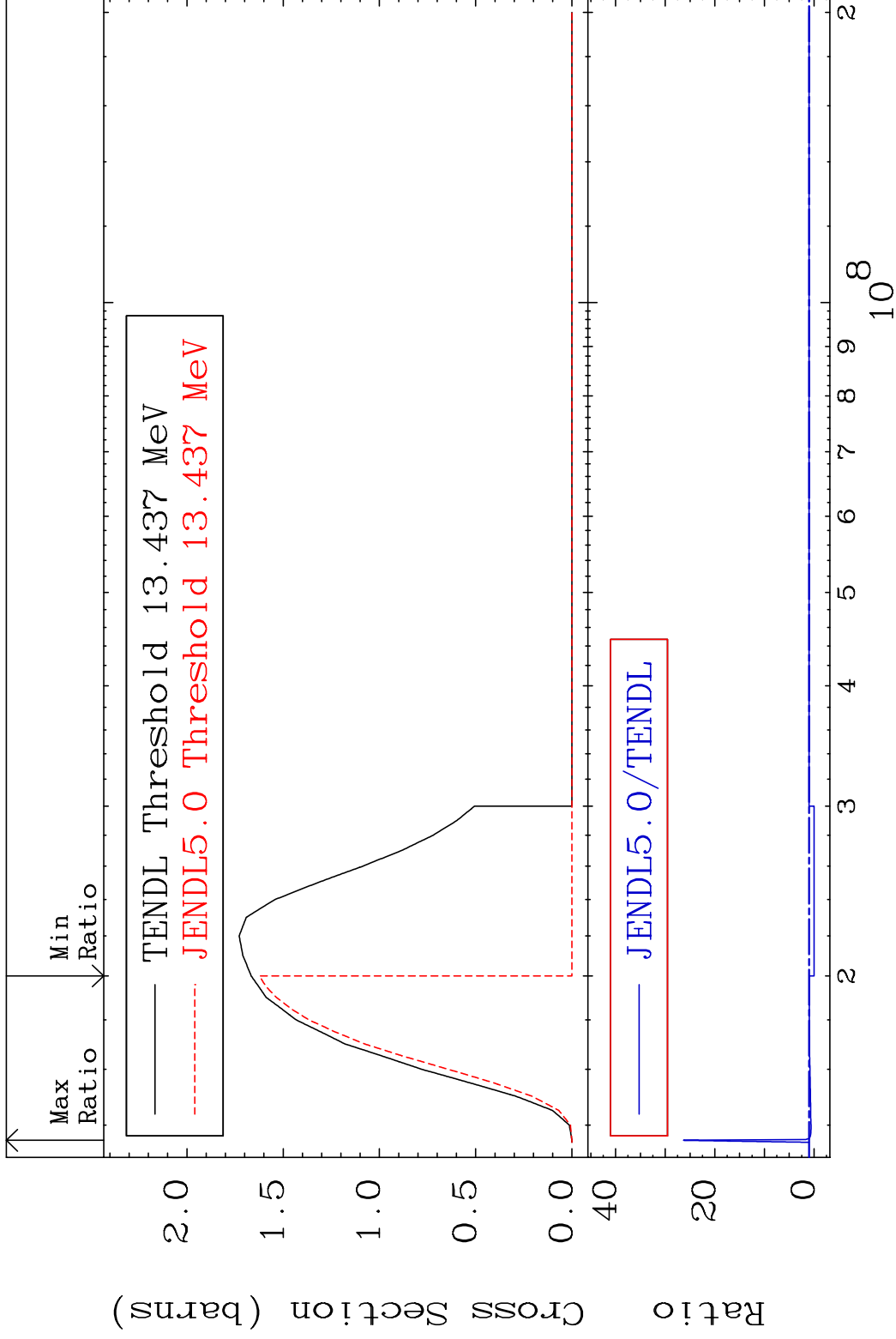
71-Lu-177

MAT 7131

(n,3n)

71-Lu-177

Cross Section -100.0 To 2532. %



6

Incident Energy (eV)

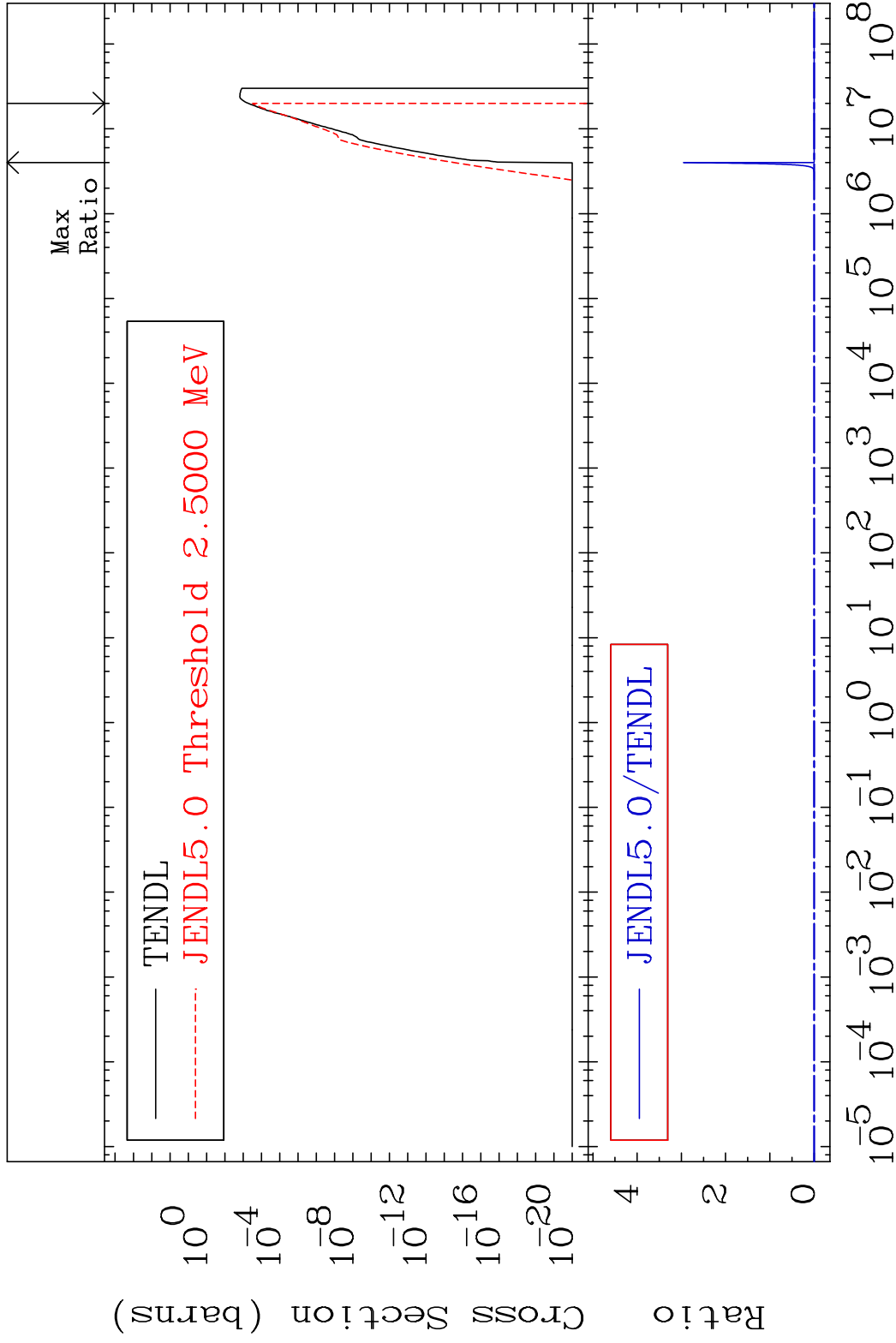
71-Lu-177

MAT 7131

(n, n')  $\alpha$

71-Lu-177

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

71-Lu-177

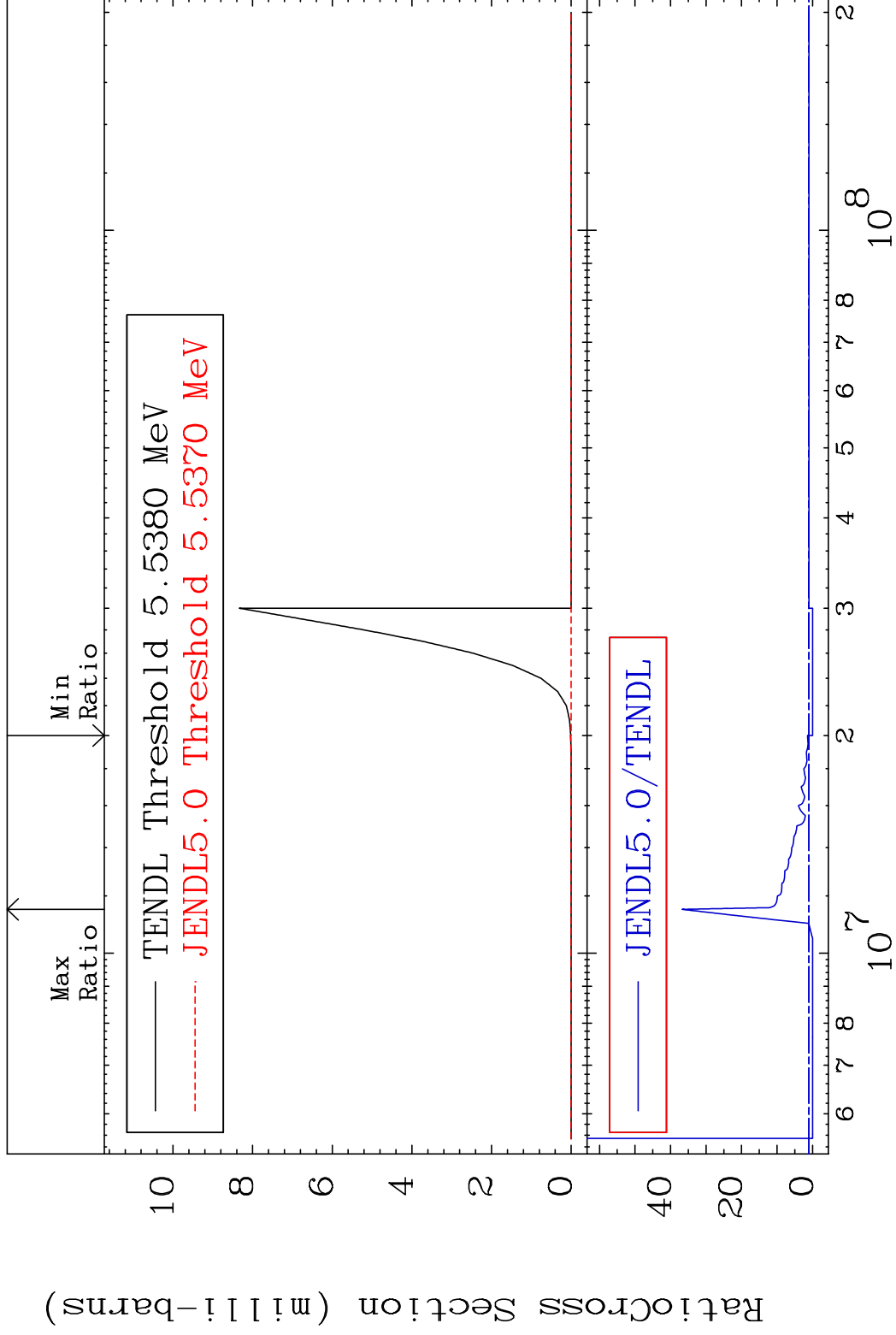


MAT 7131

(n,2n)  $\alpha$

71-Lu-177

Cross Section -100.0 To 3567. %



8

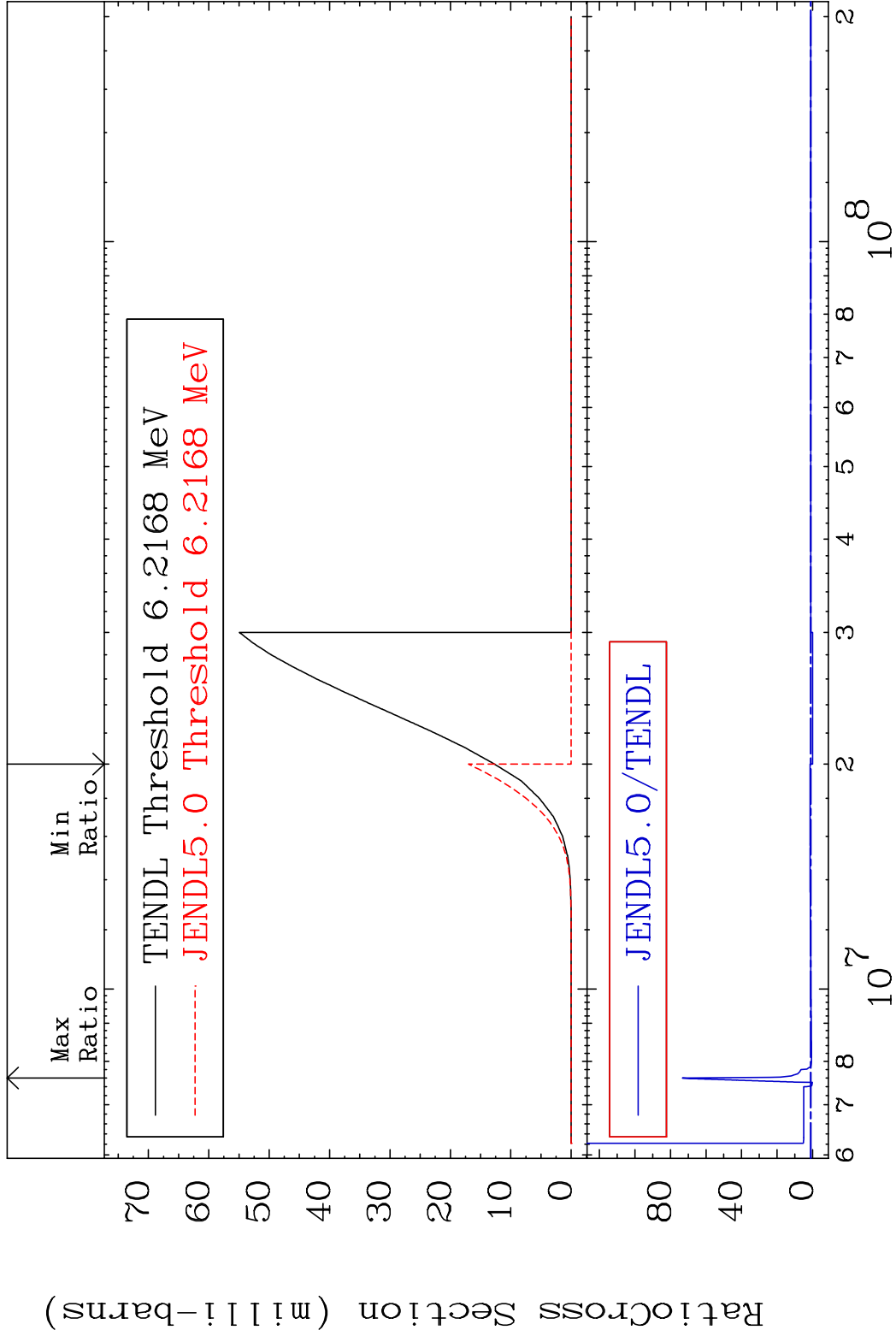
Incident Energy (eV)

71-Lu-177

MAT 7131

(n, n') p 71-Lu-177

Cross Section -100.0 To 7233. %



9

Incident Energy (eV)

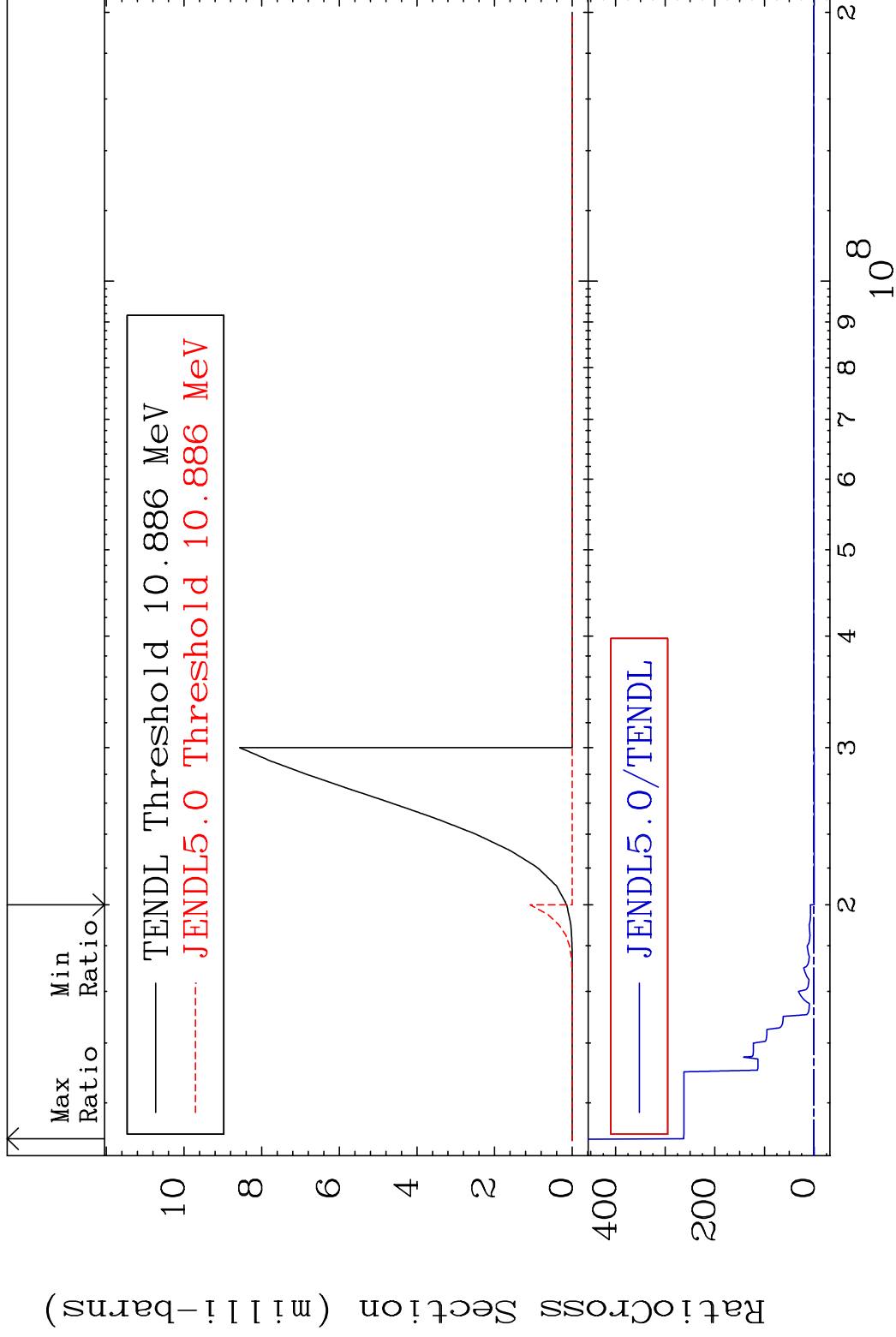
71-Lu-177

MAT 7131

(n, n') d

71-Lu-177

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

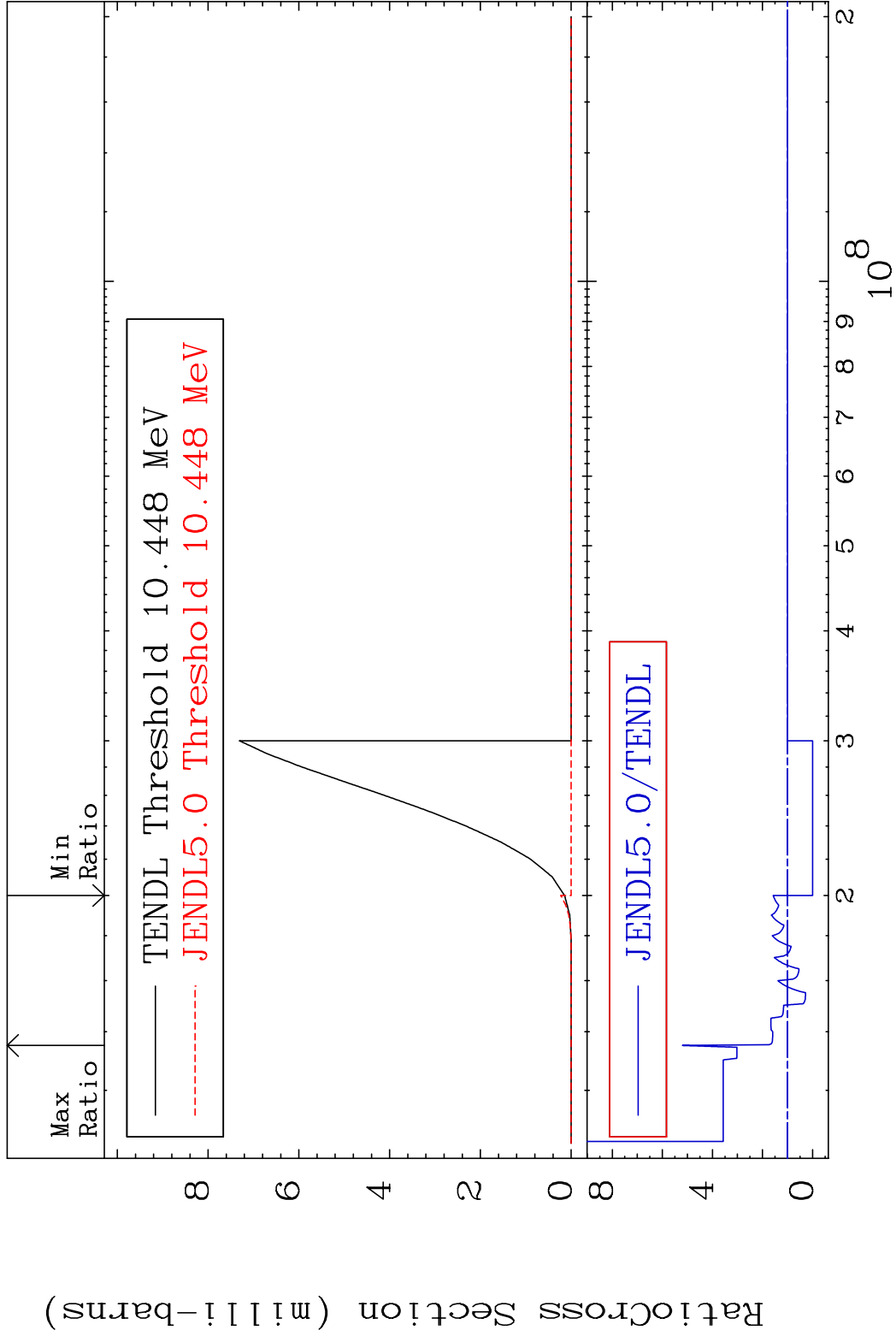
71-Lu-177

MAT 7131

(n, n') t

71-Lu-177

Cross Section -100.0 To 420.1 %

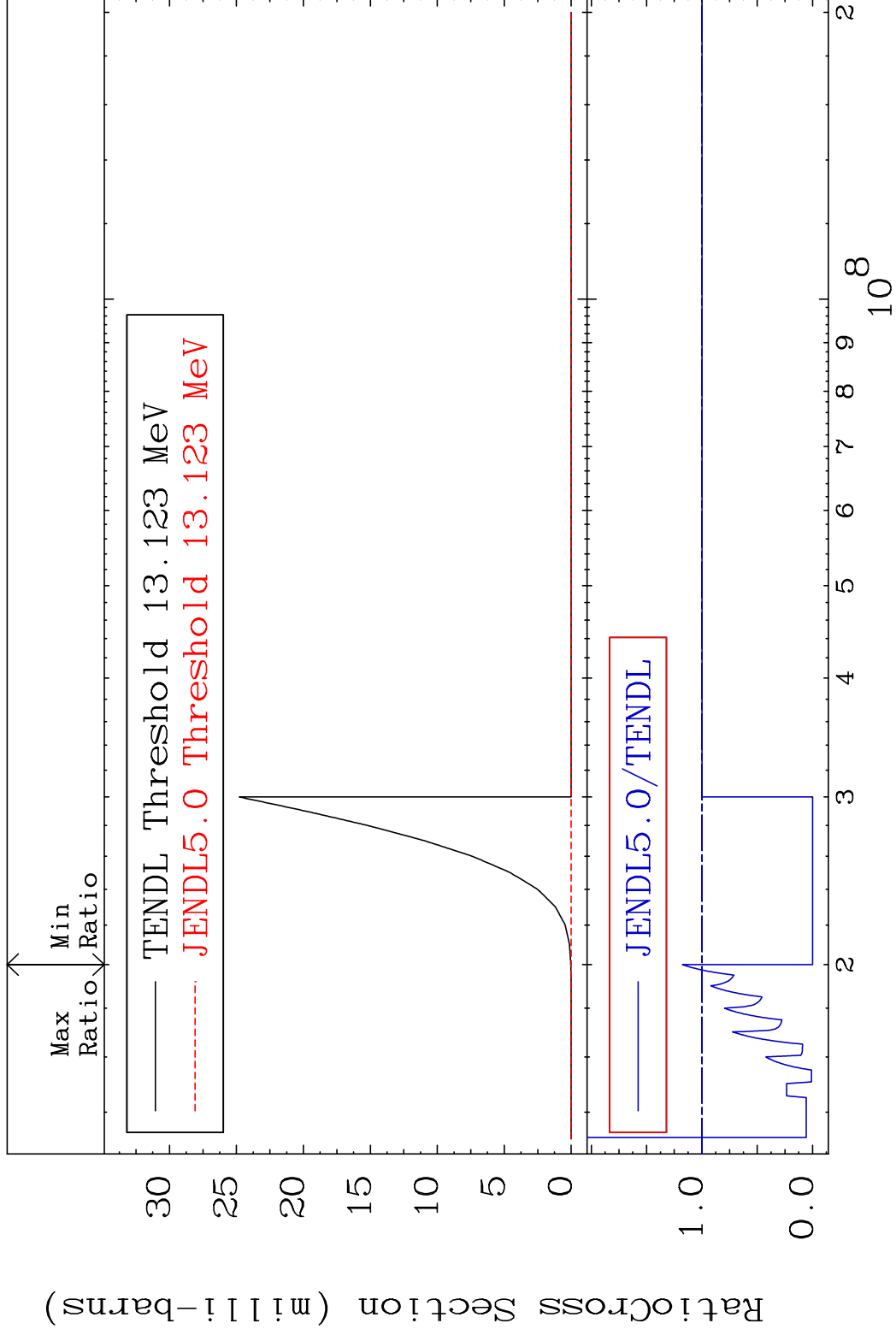


MAT 7131

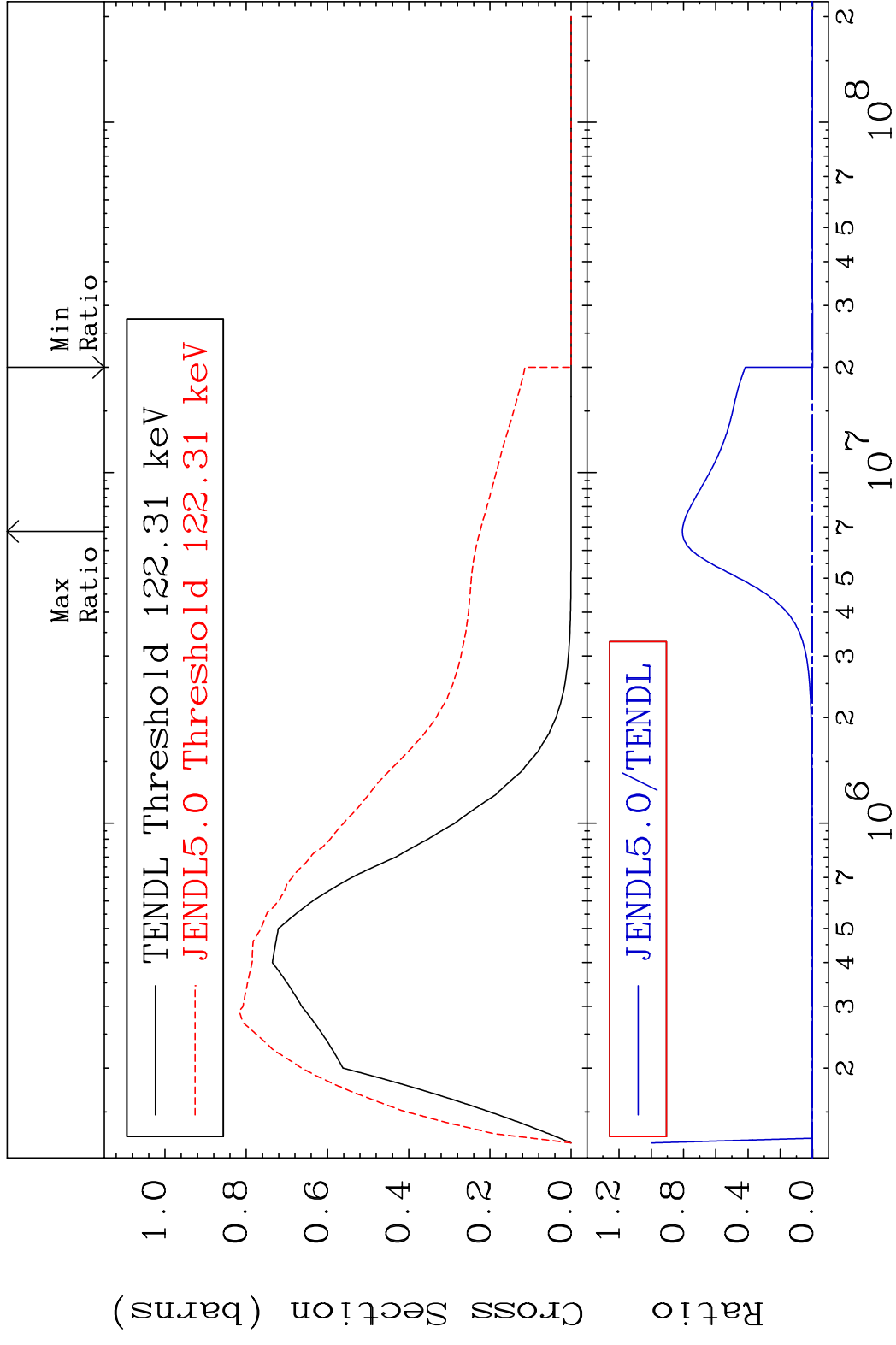
(n,2n) p

71-Lu-177

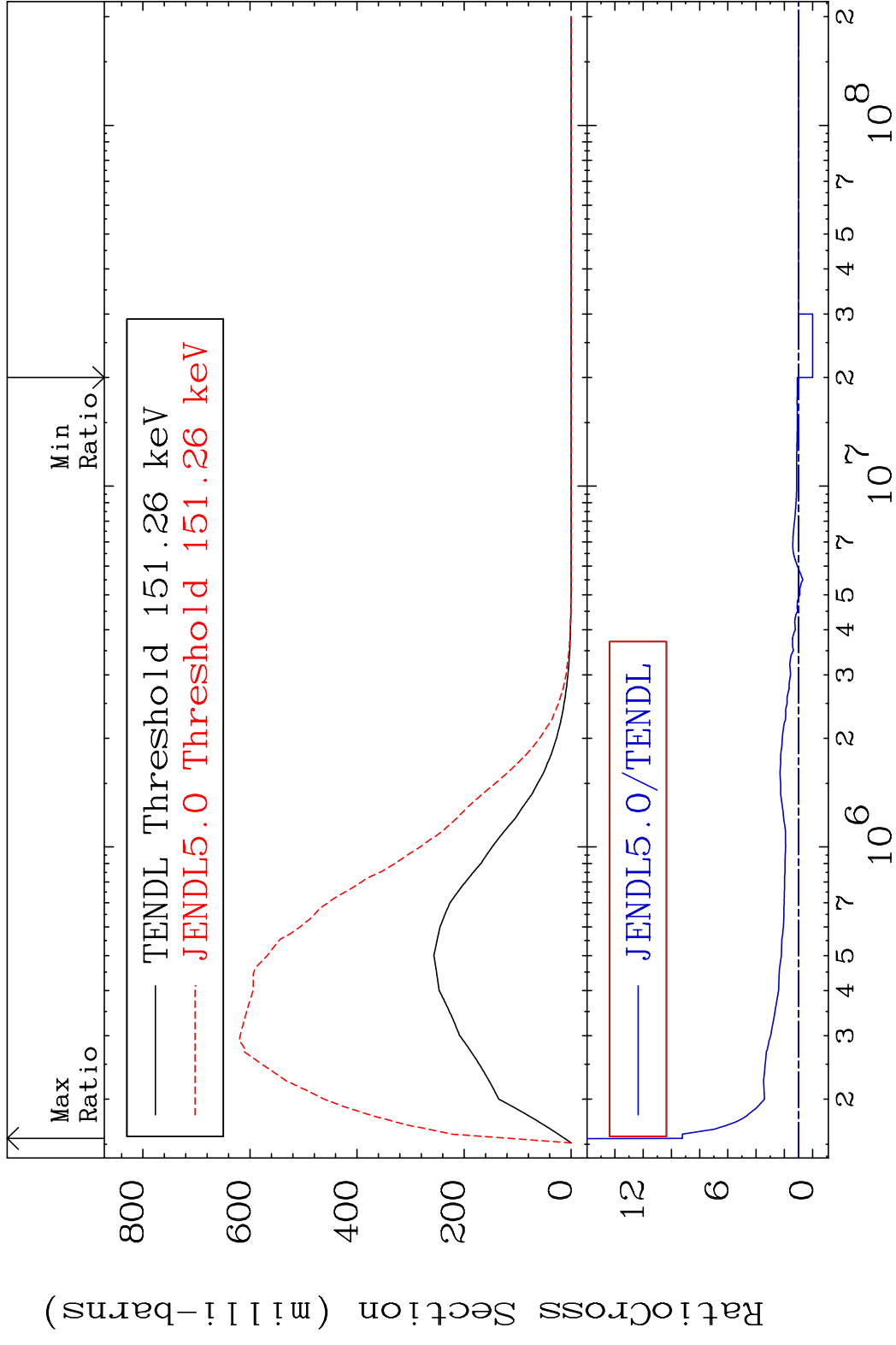
Cross Section -100.0 To 17.69 %



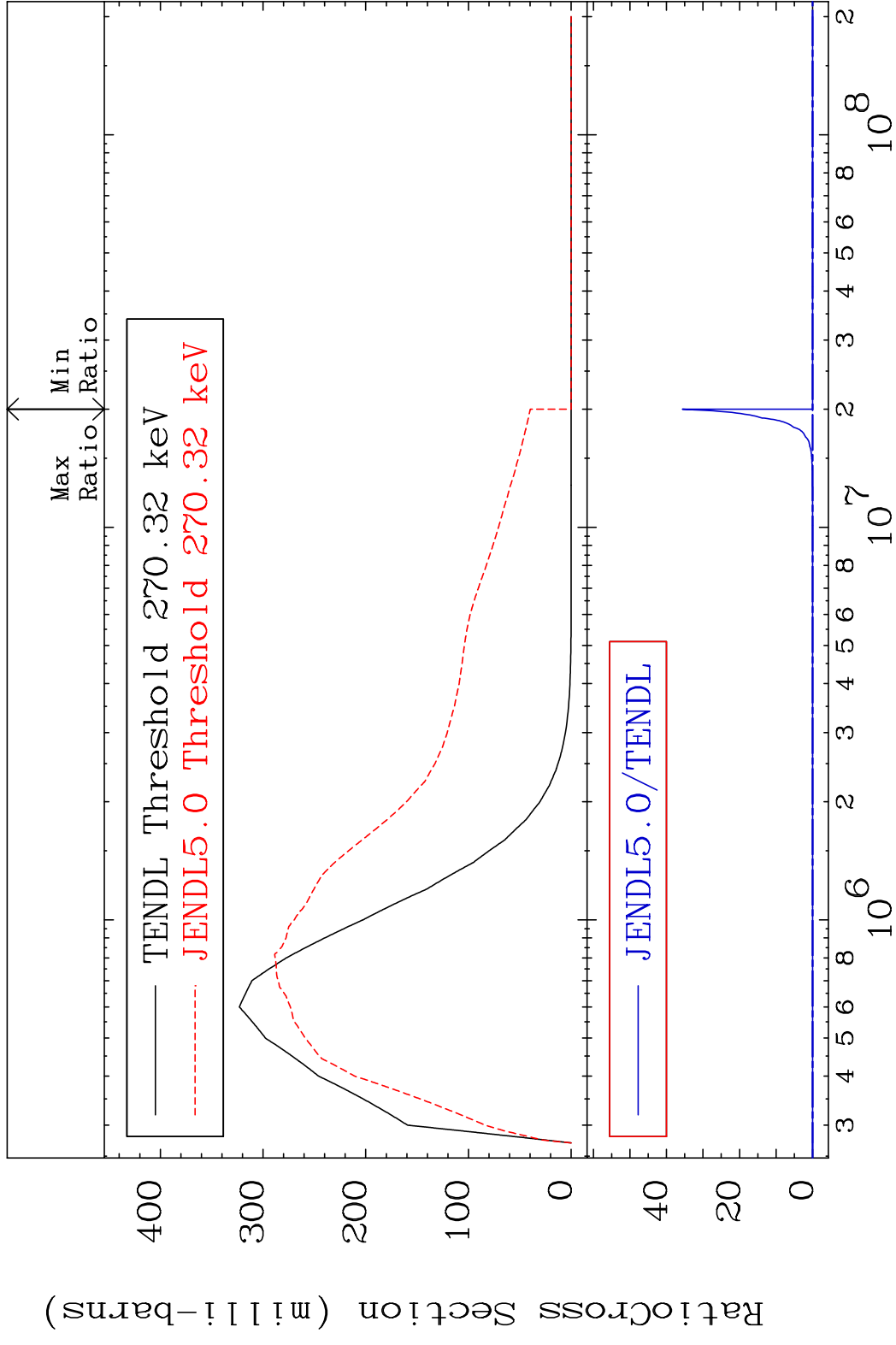
MAT 7131 MT= 51 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 9999. %



MAT 7131 MT= 52 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 822.6 %

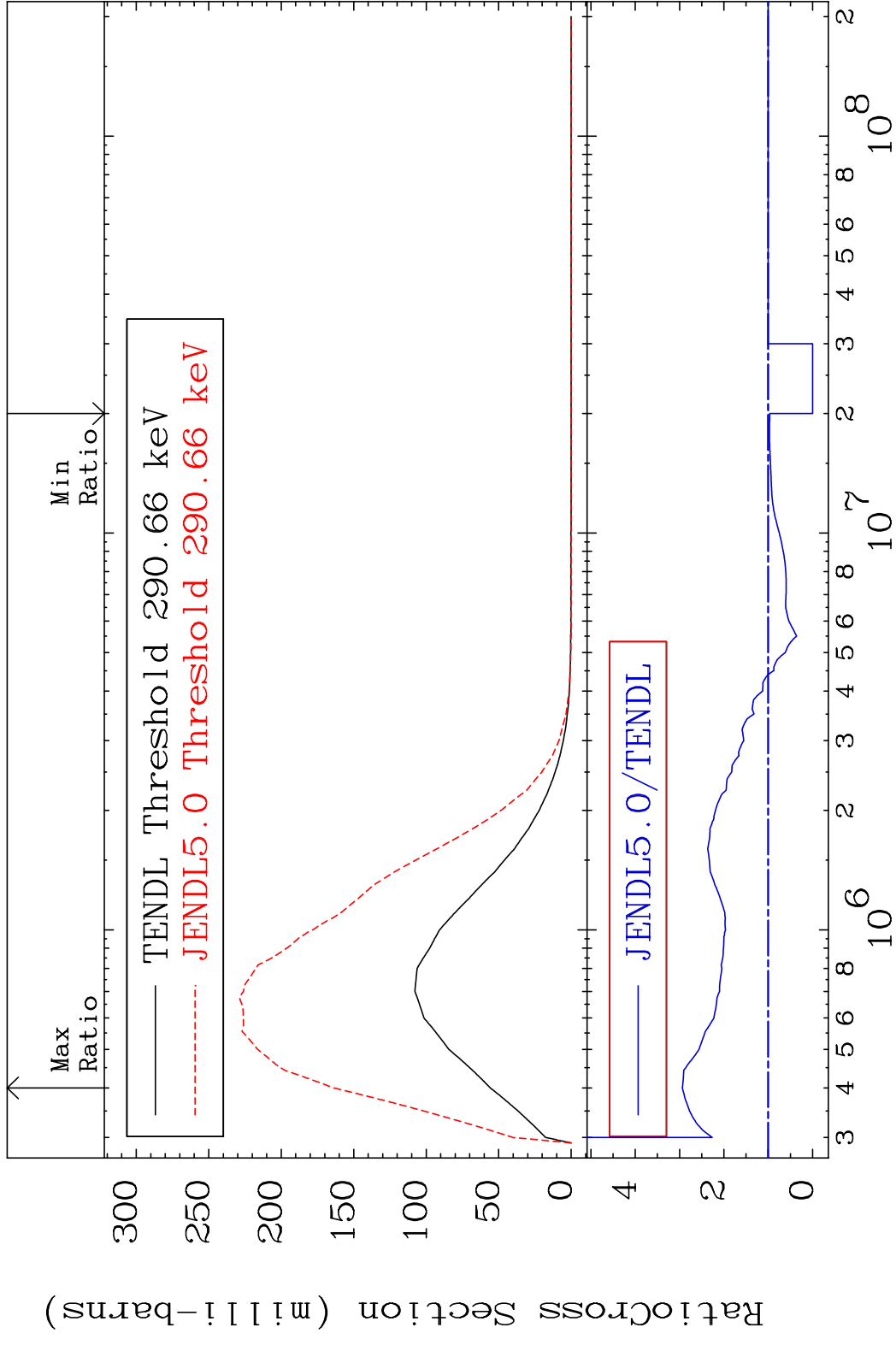


MAT 7131 MT= 53 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 9999. %

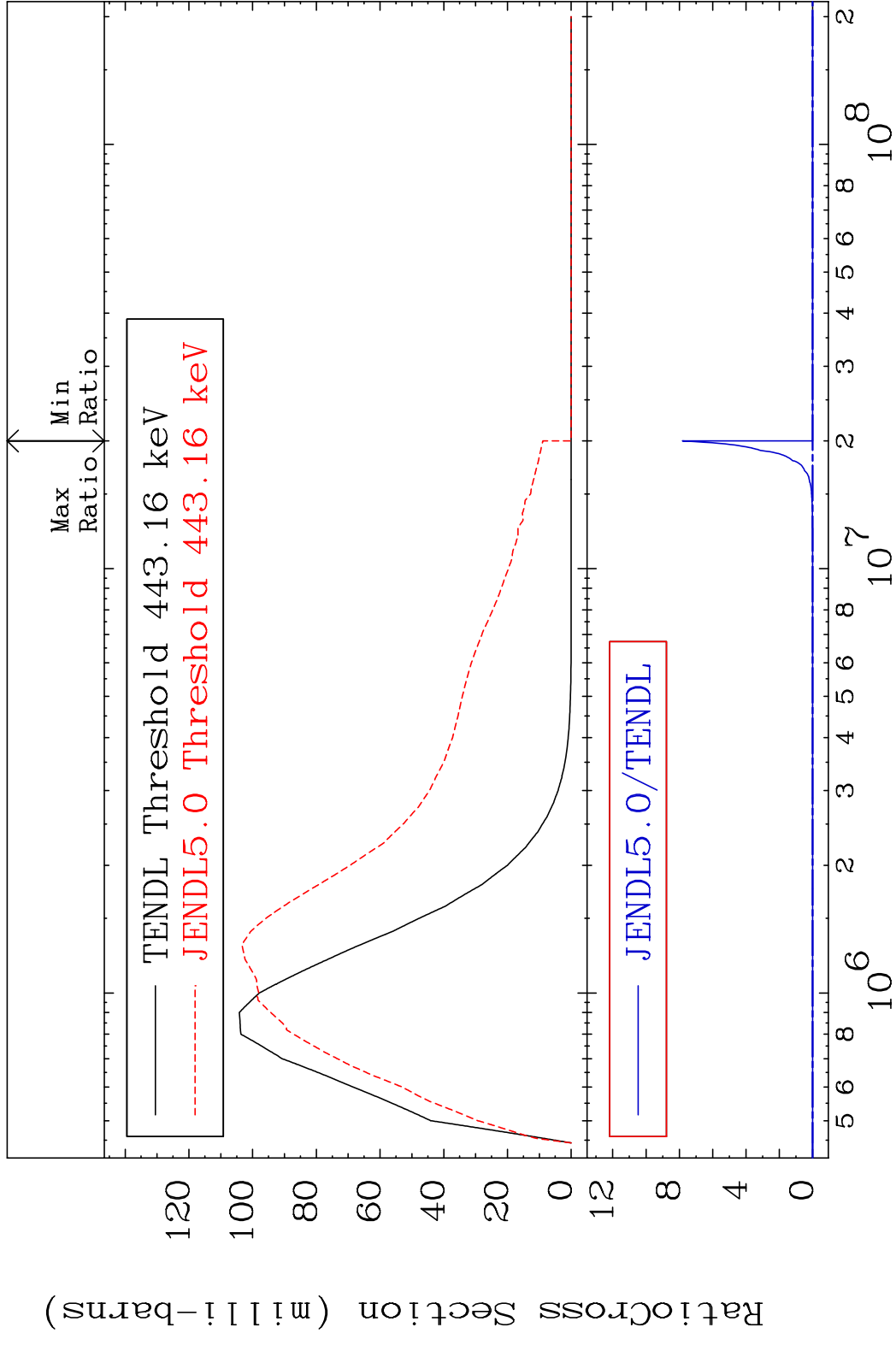




MAT 7131 MT= 54 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 193.7 %

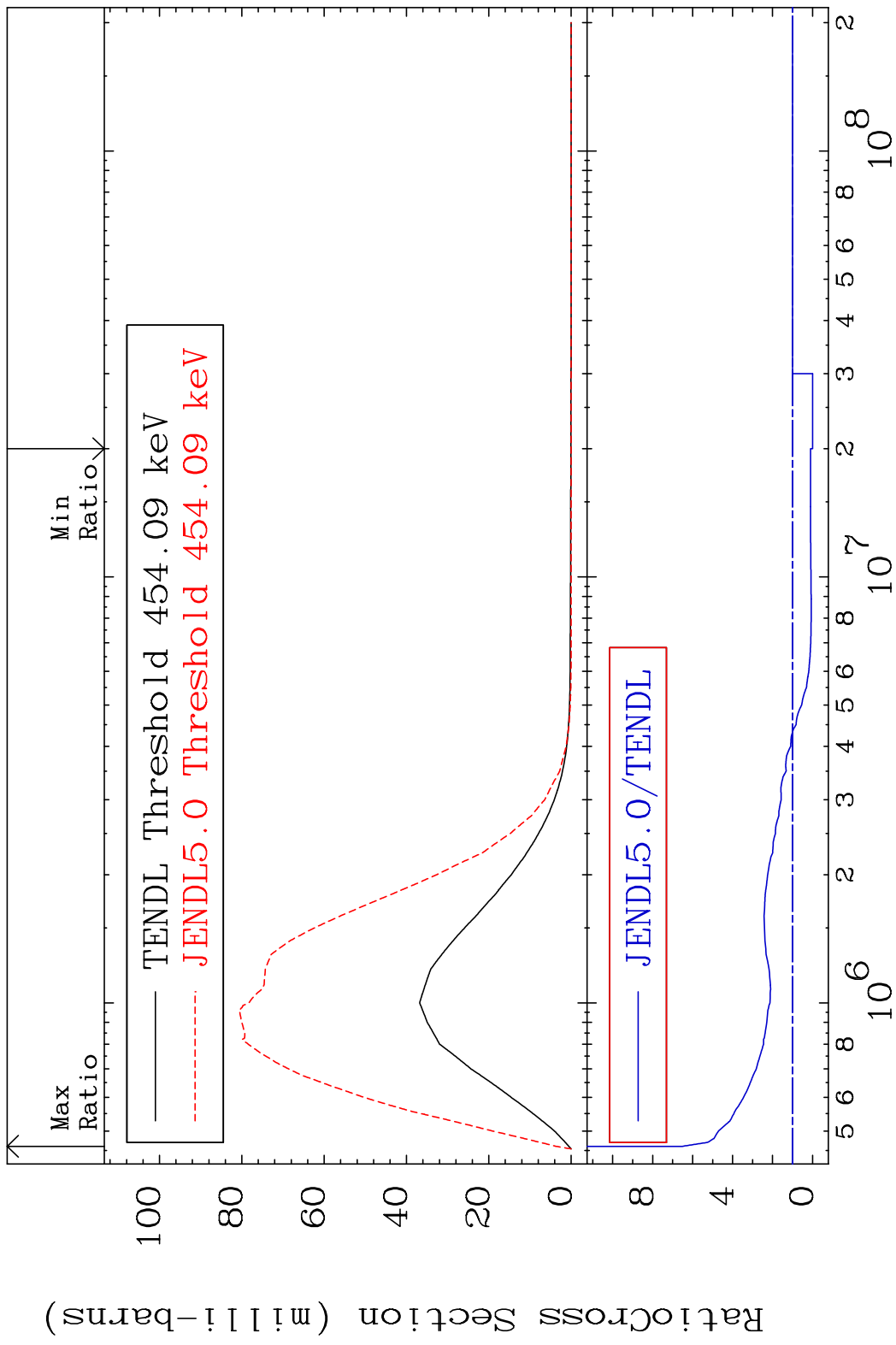


MAT 7131 MT= 55 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 9999. %

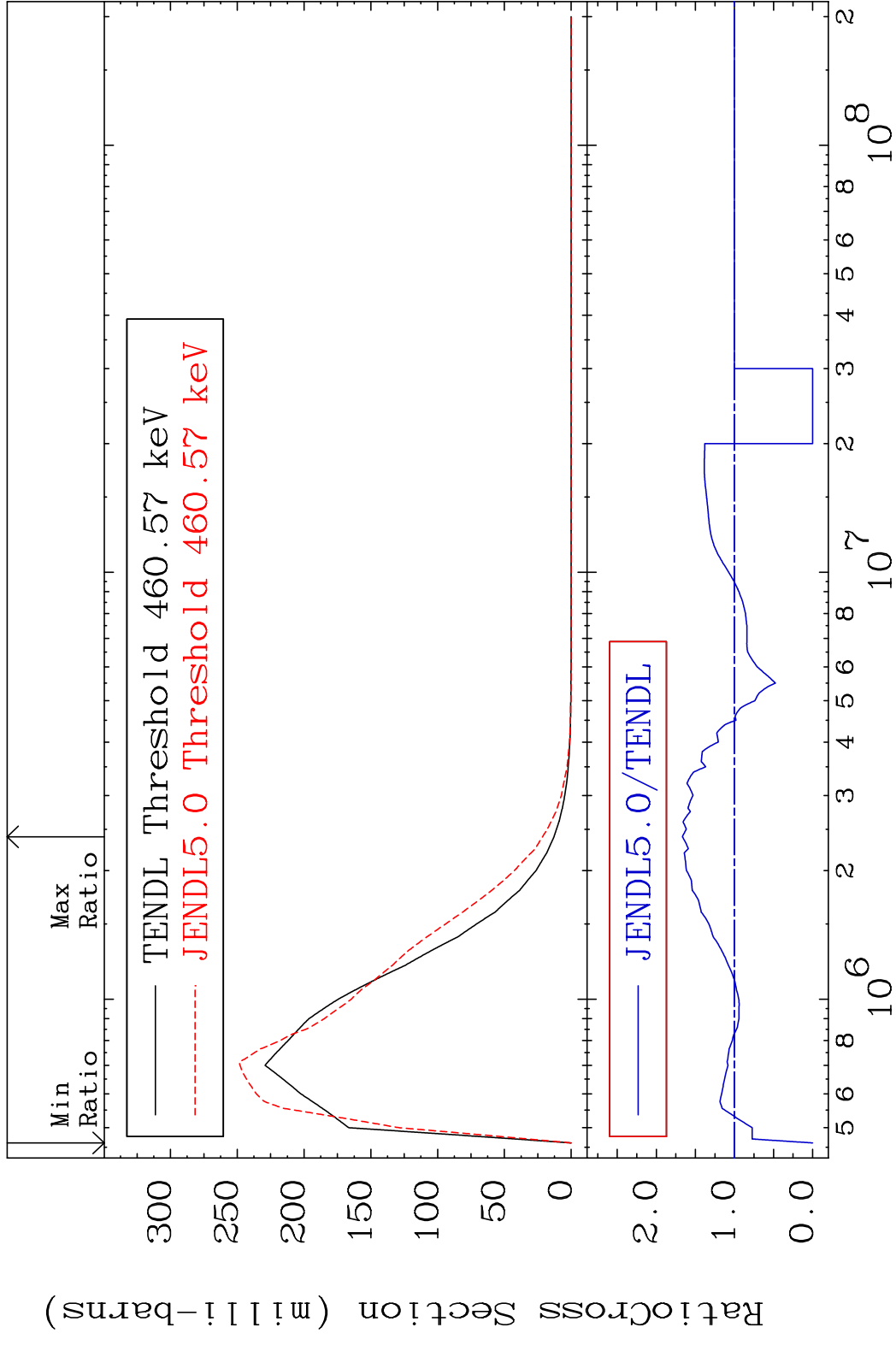


17 Incident Energy (eV) 71-Lu-177

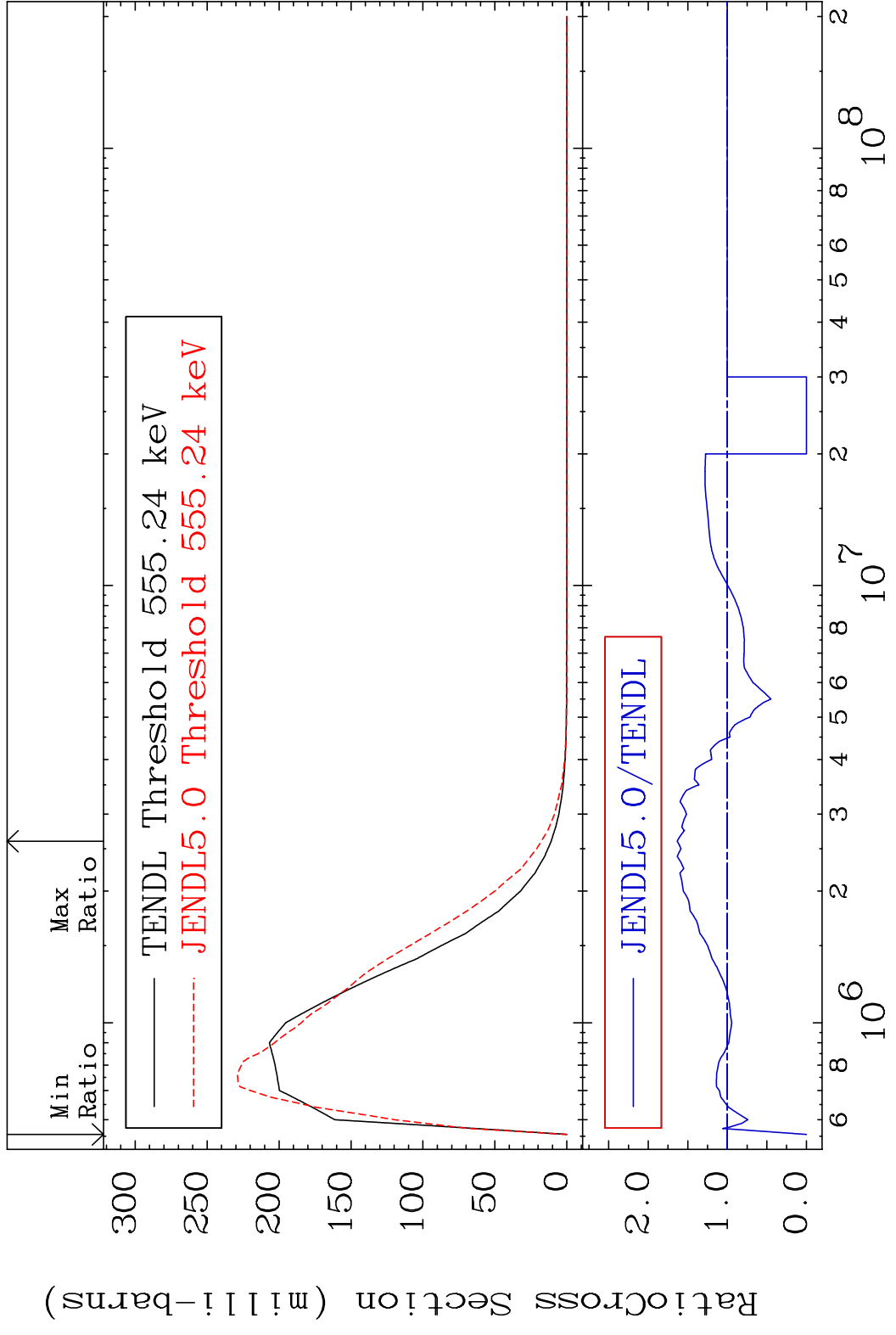
MAT 7131 MT= 56 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 551.4 %



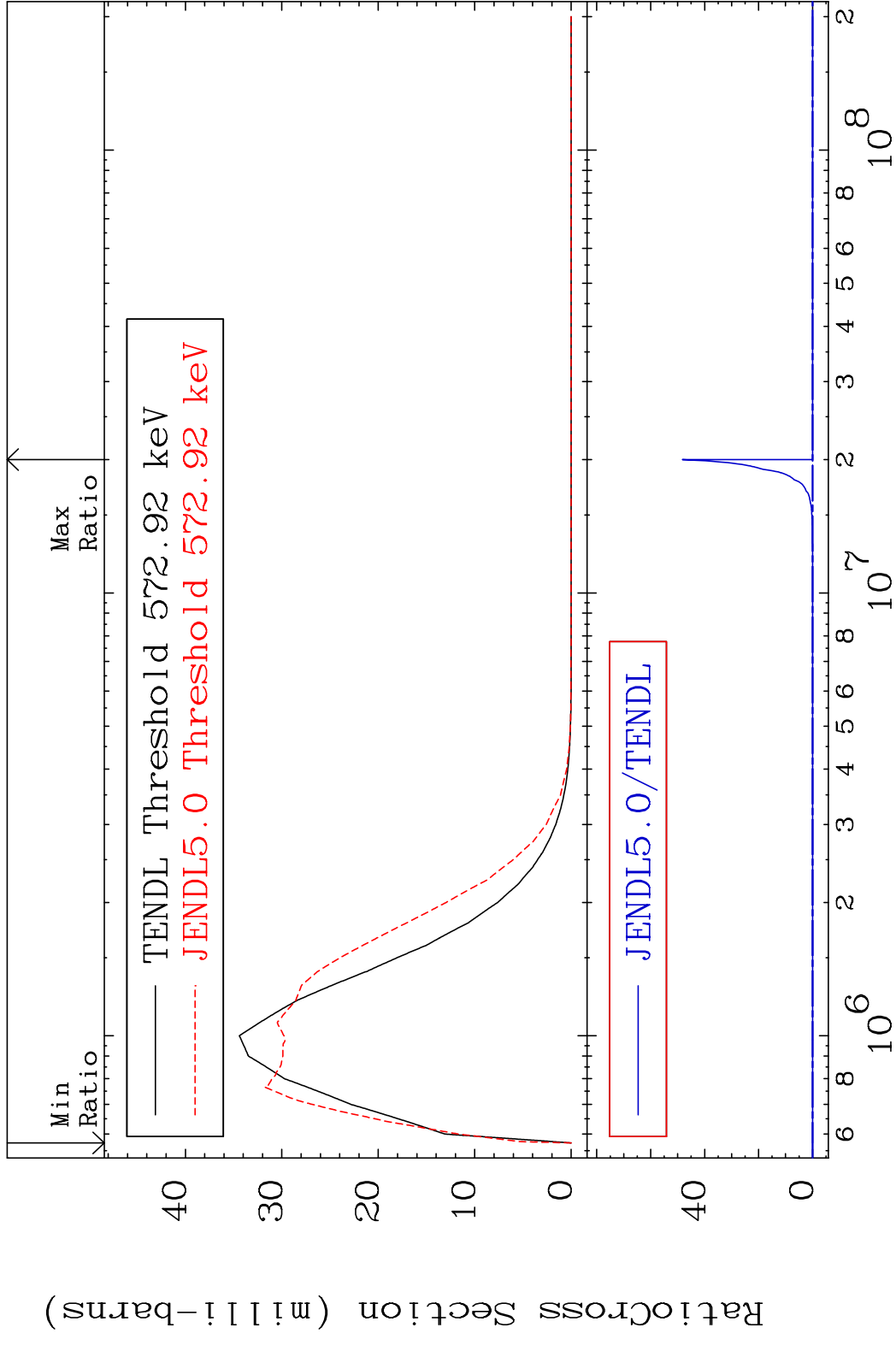
MAT 7131 MT= 57 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 66.68 %



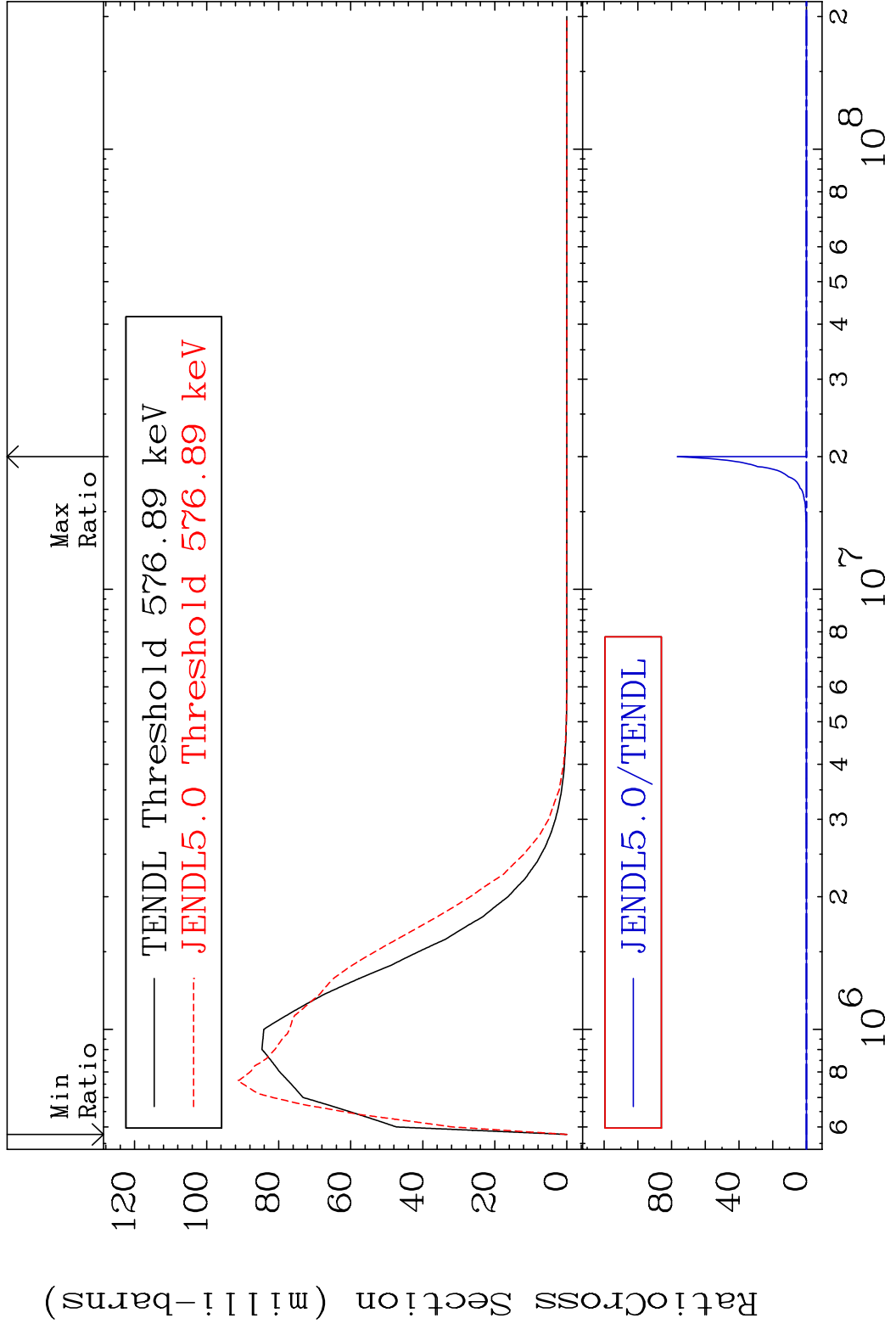
MAT 7131 MT= 58 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 63.41 %



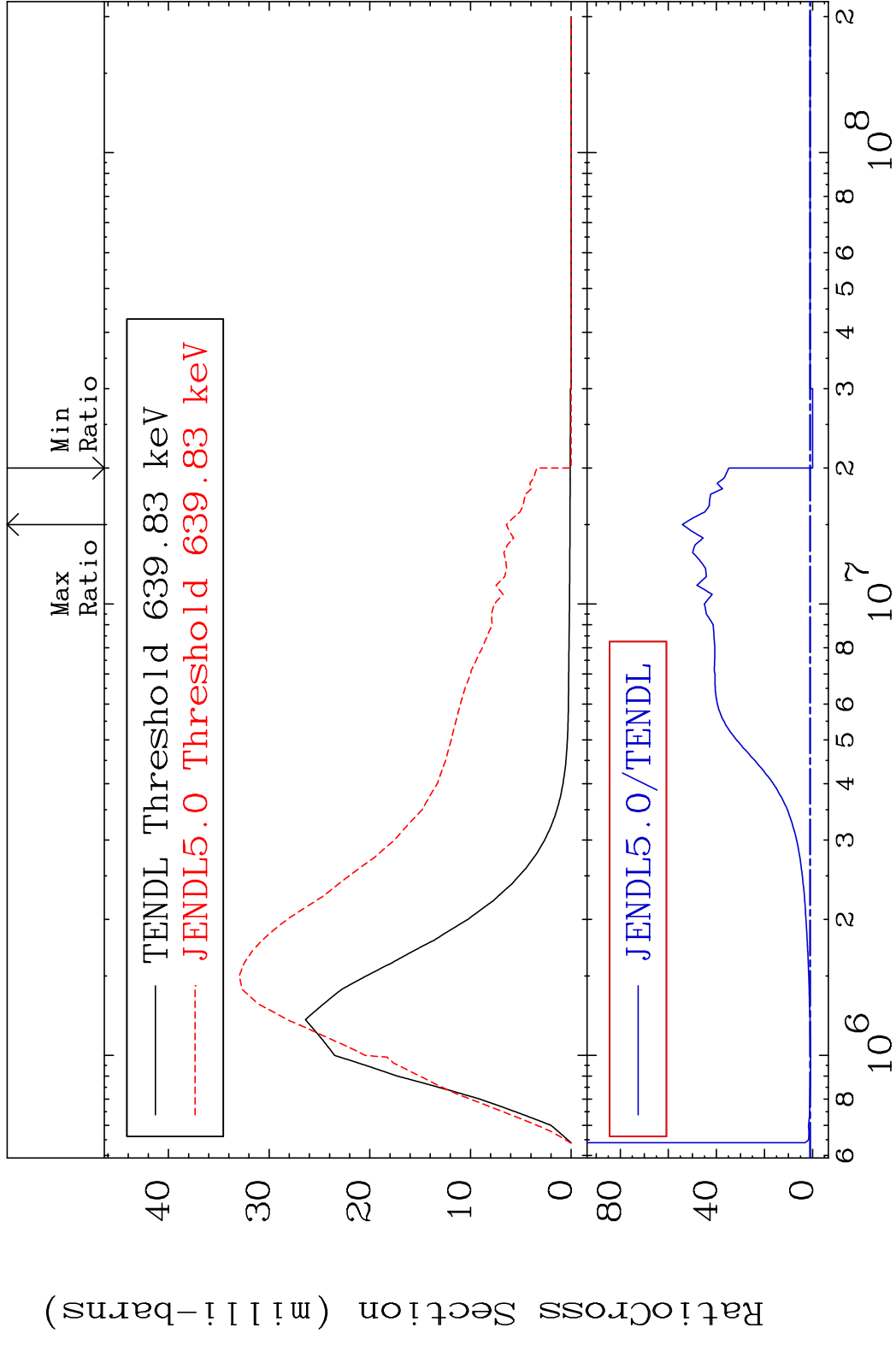
MAT 7131 MT= 59 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 9999. %



MAT 7131 MT= 60 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 9999. %

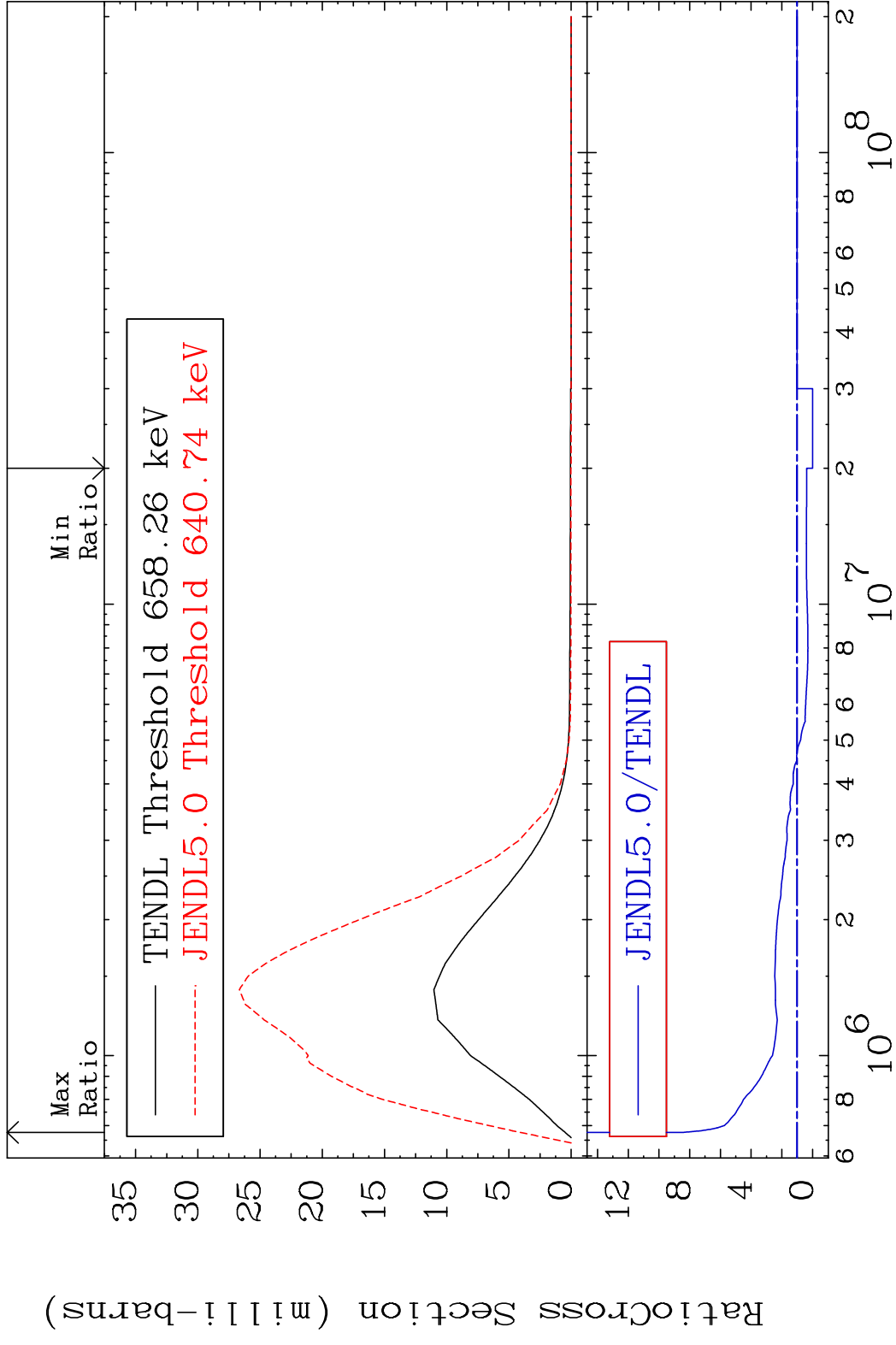


MAT 7131 MT= 61 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 5317. %

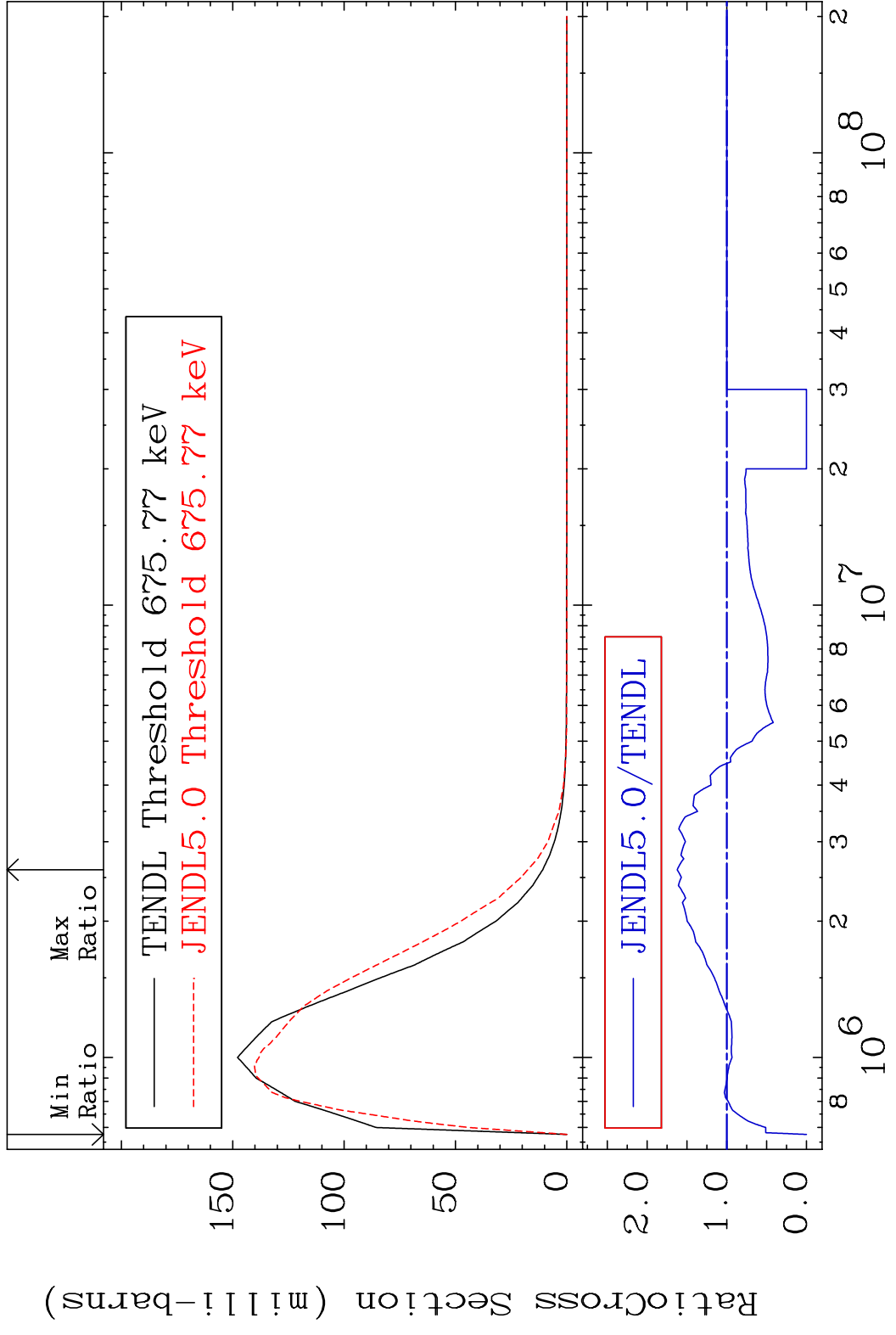




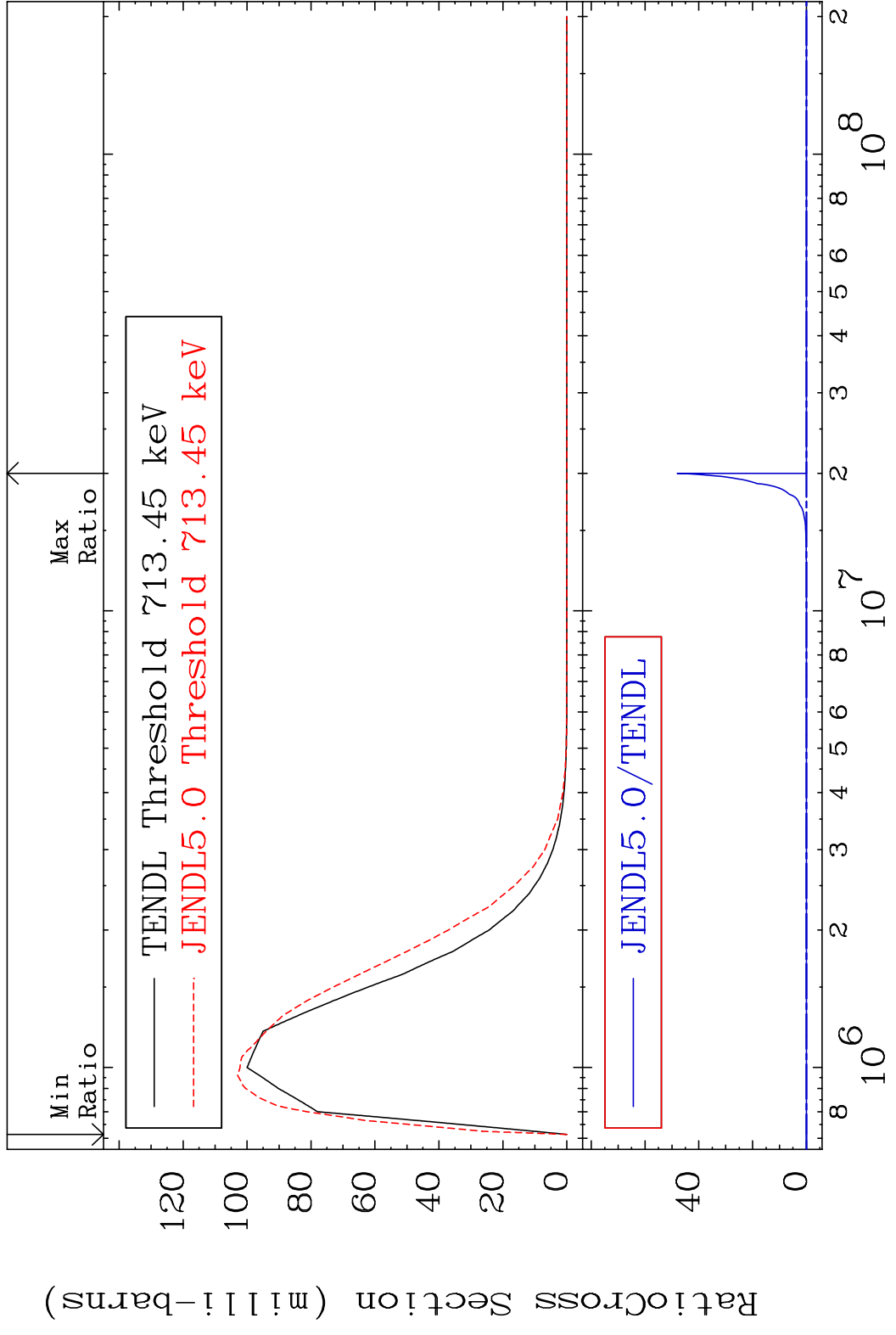
MAT 7131 MT= 62 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 747.7 %



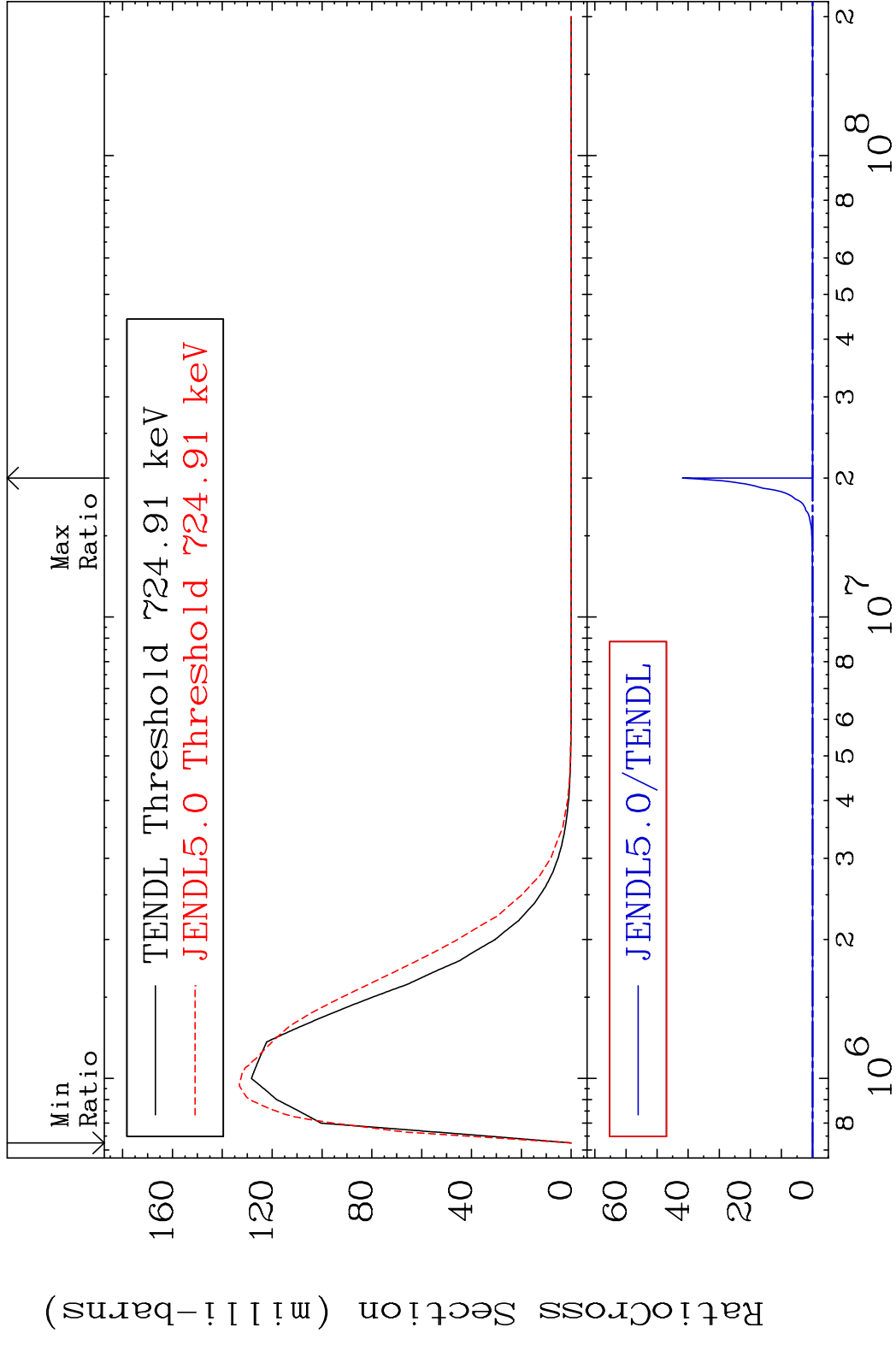
MAT 7131 MT= 63 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 62.24 %



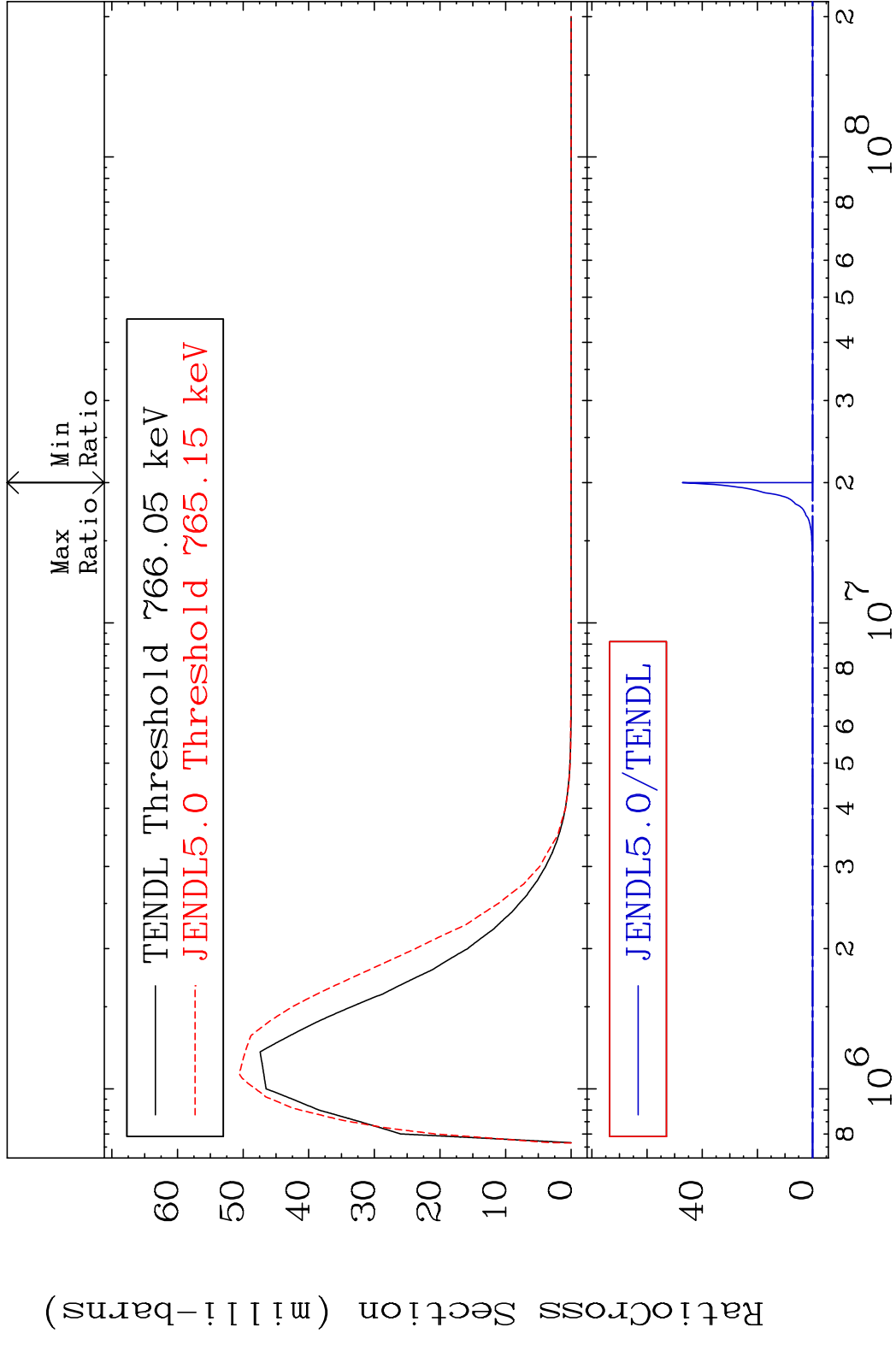
MAT 7131 MT= 64 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 9999. %



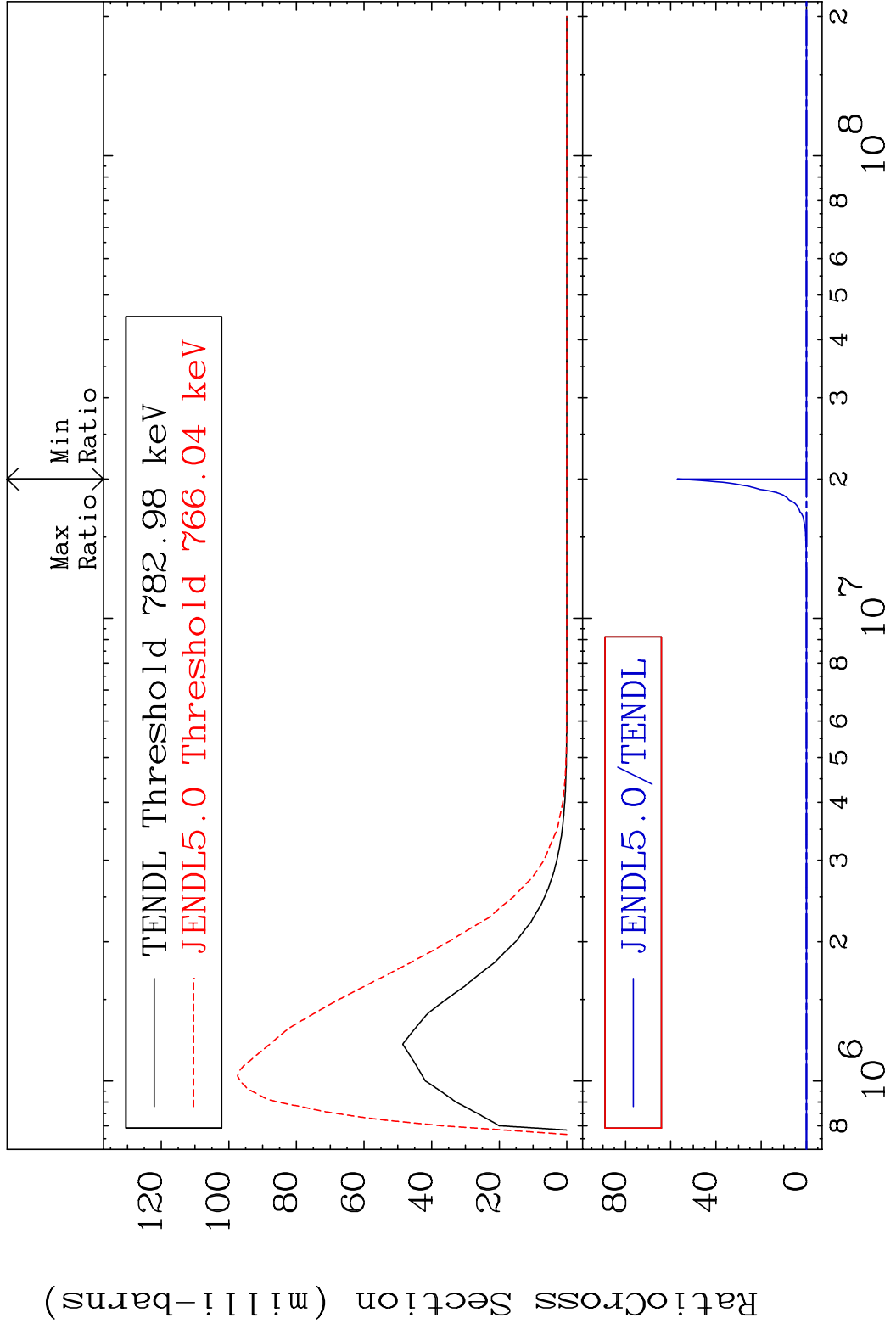
MAT 7131 MT= 65 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 9999. %



MAT 7131 MT= 66 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 9999. %

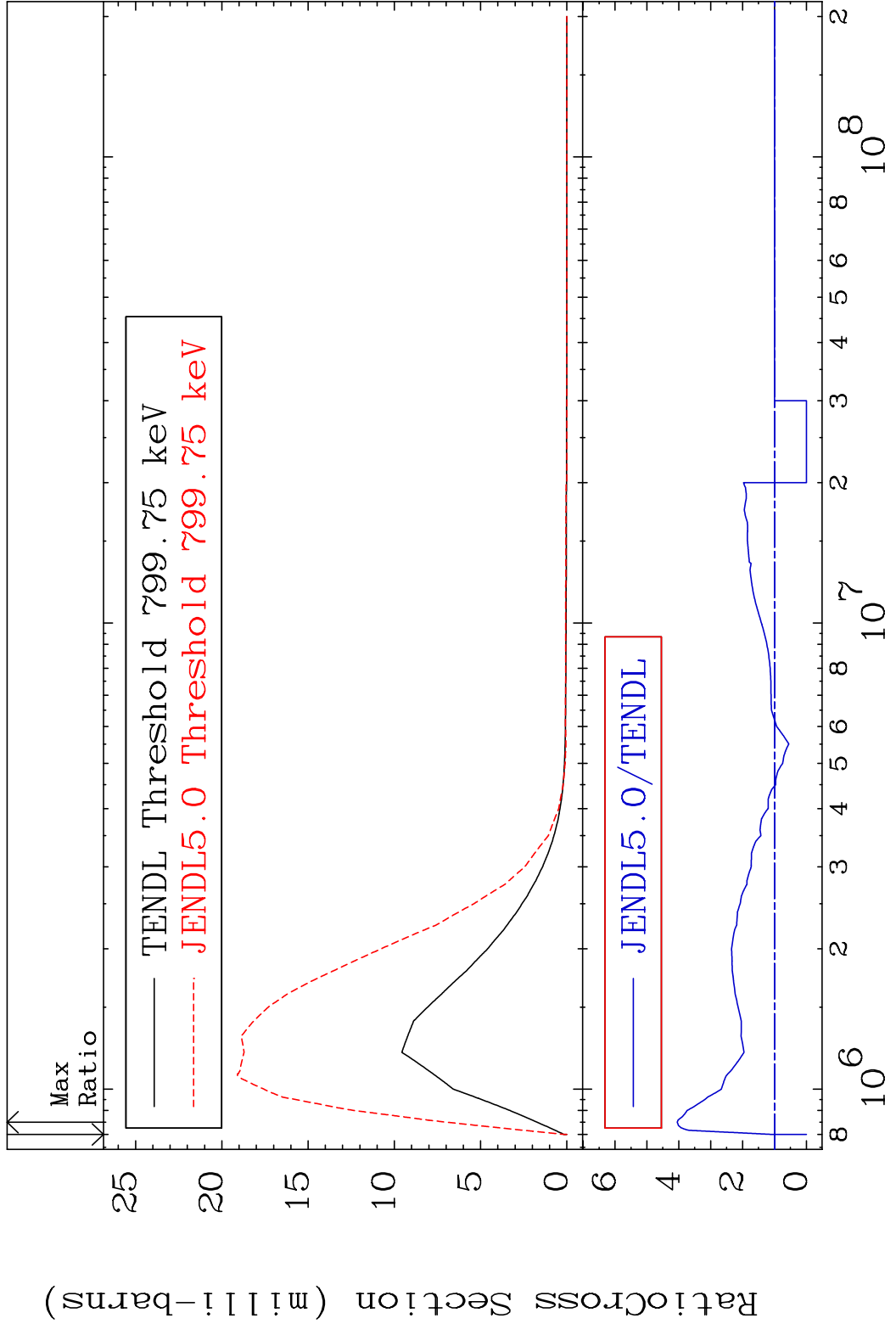


MAT 7131 MT= 67 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 9999. %

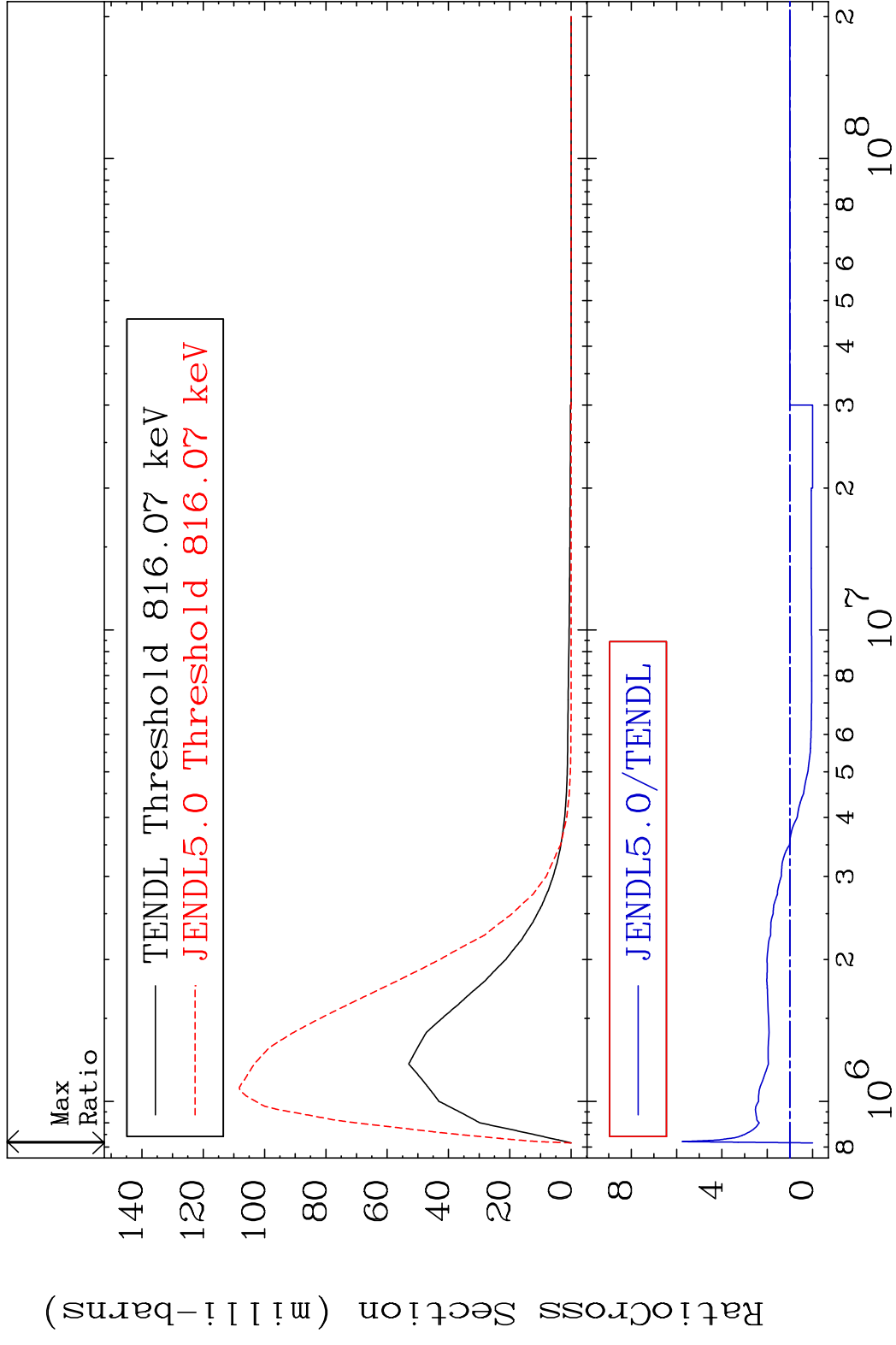


29 Incident Energy (eV) 71-Lu-177

MAT 7131 MT= 68 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 305.1 %

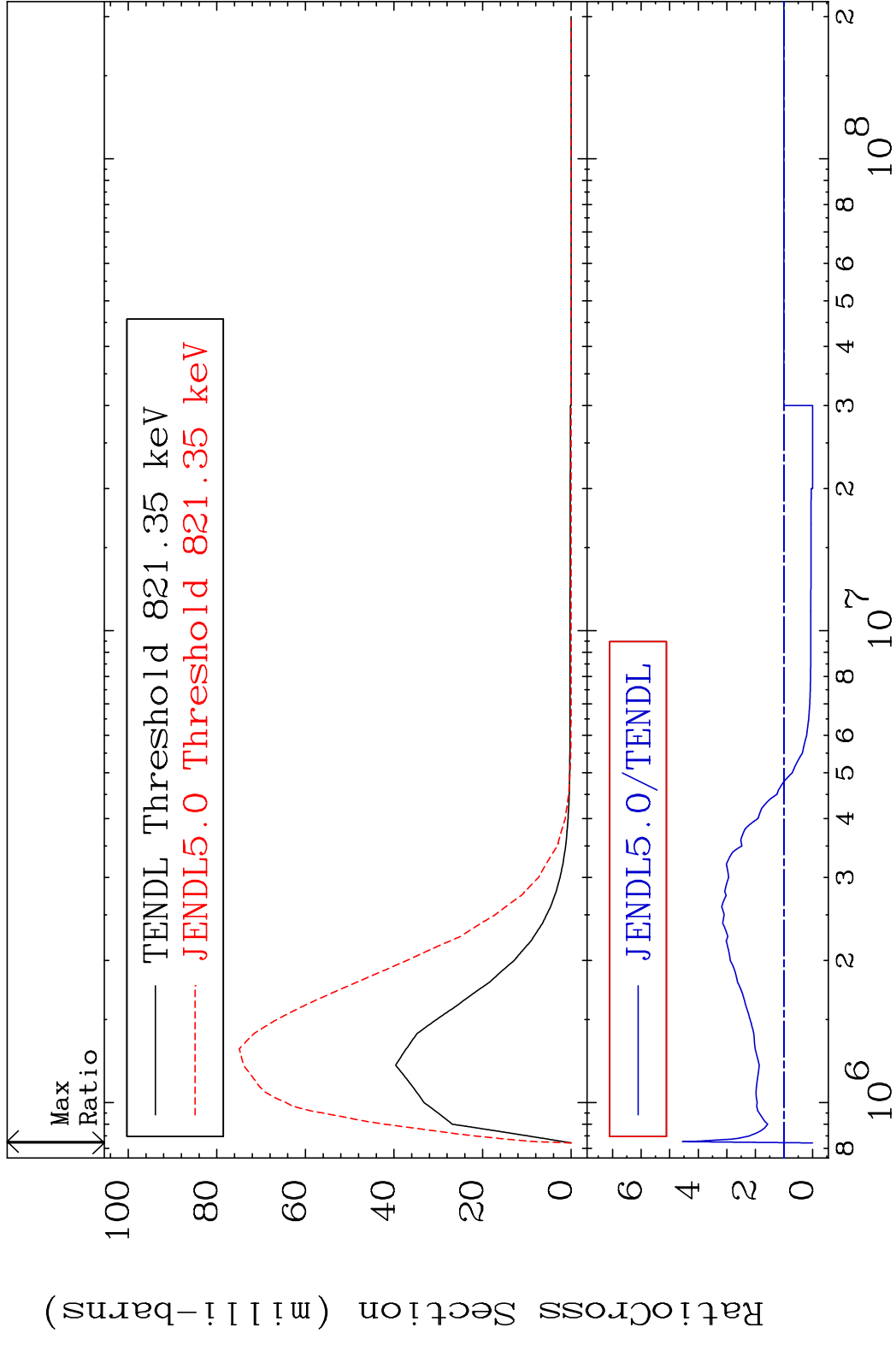


MAT 7131 MT= 69 (n,n') Level 71-Lu-177  
 Cross Section -100.0 To 474.7 %

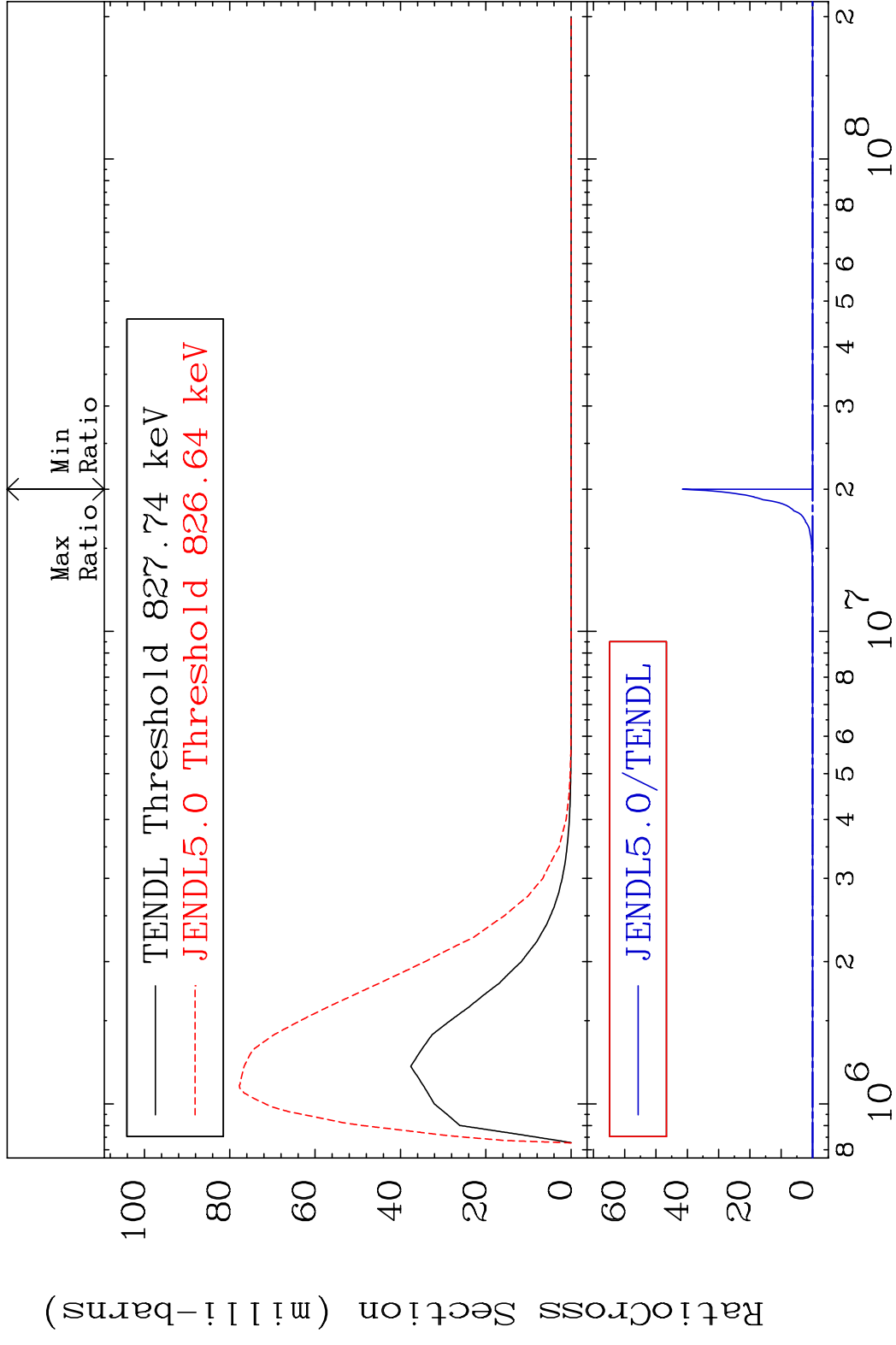




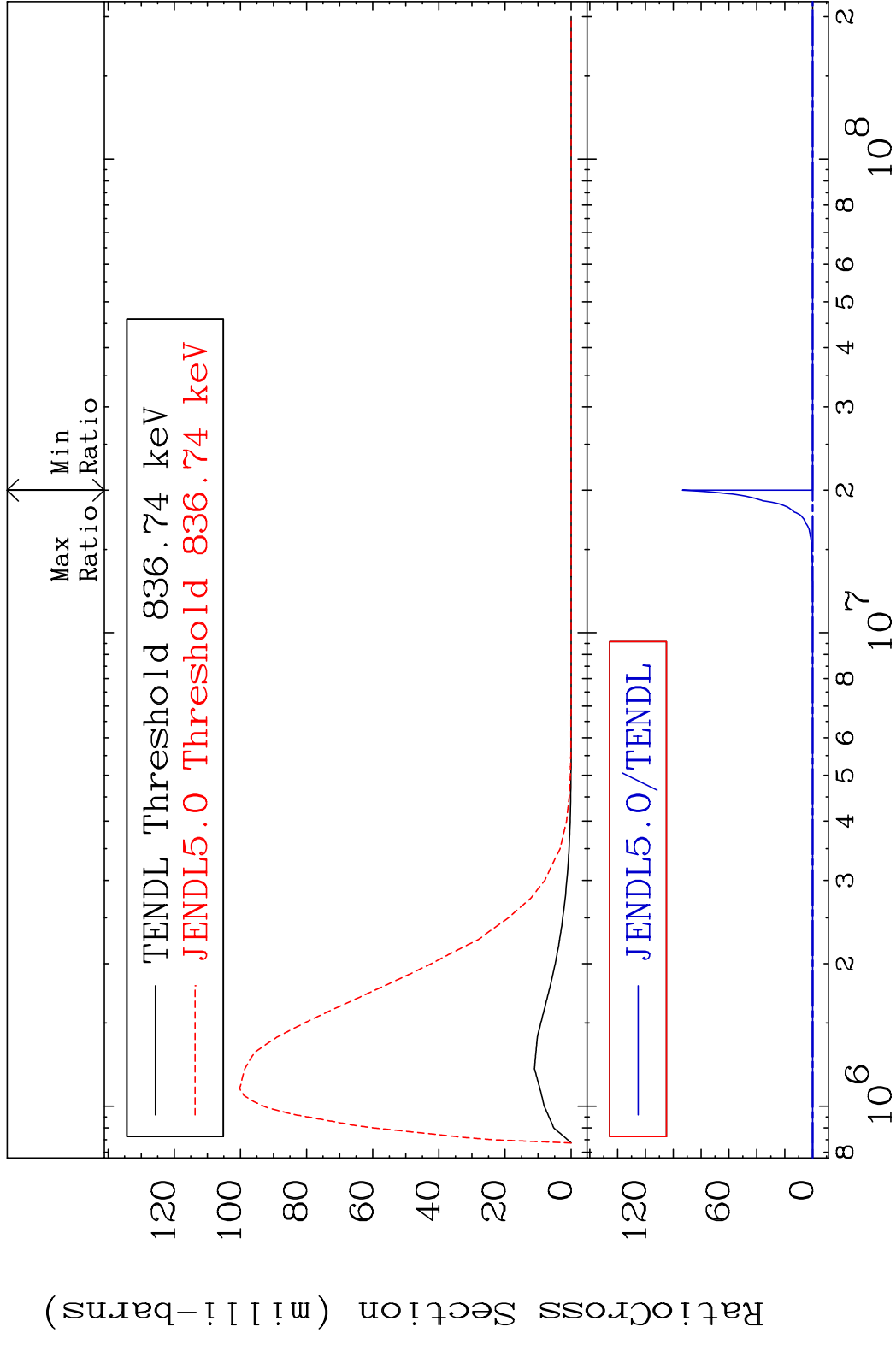
MAT 7131 MT= 70 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 355.7 %



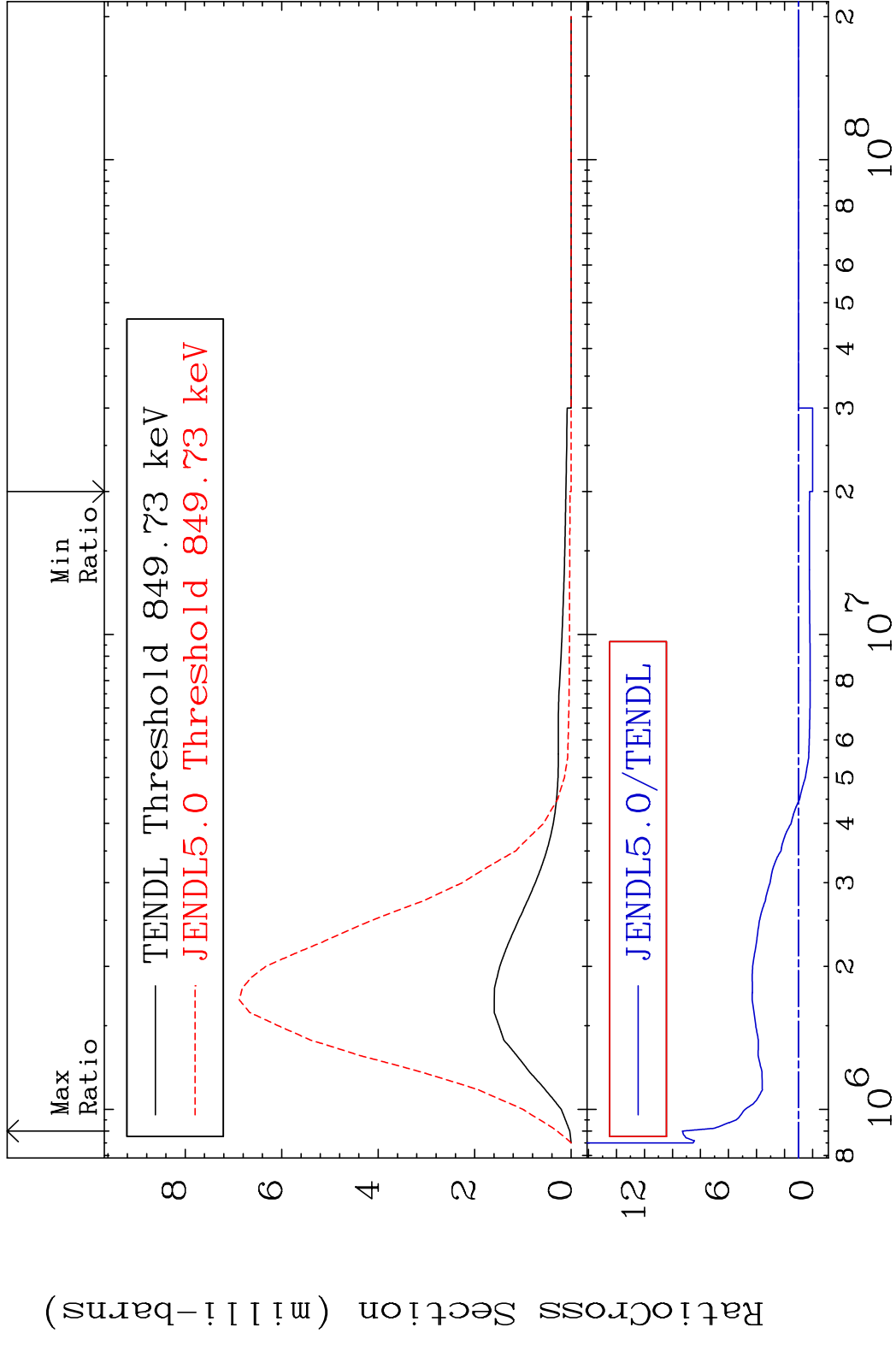
MAT 7131 MT= 71 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 9999. %



MAT 7131 MT= 72 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 9999. %

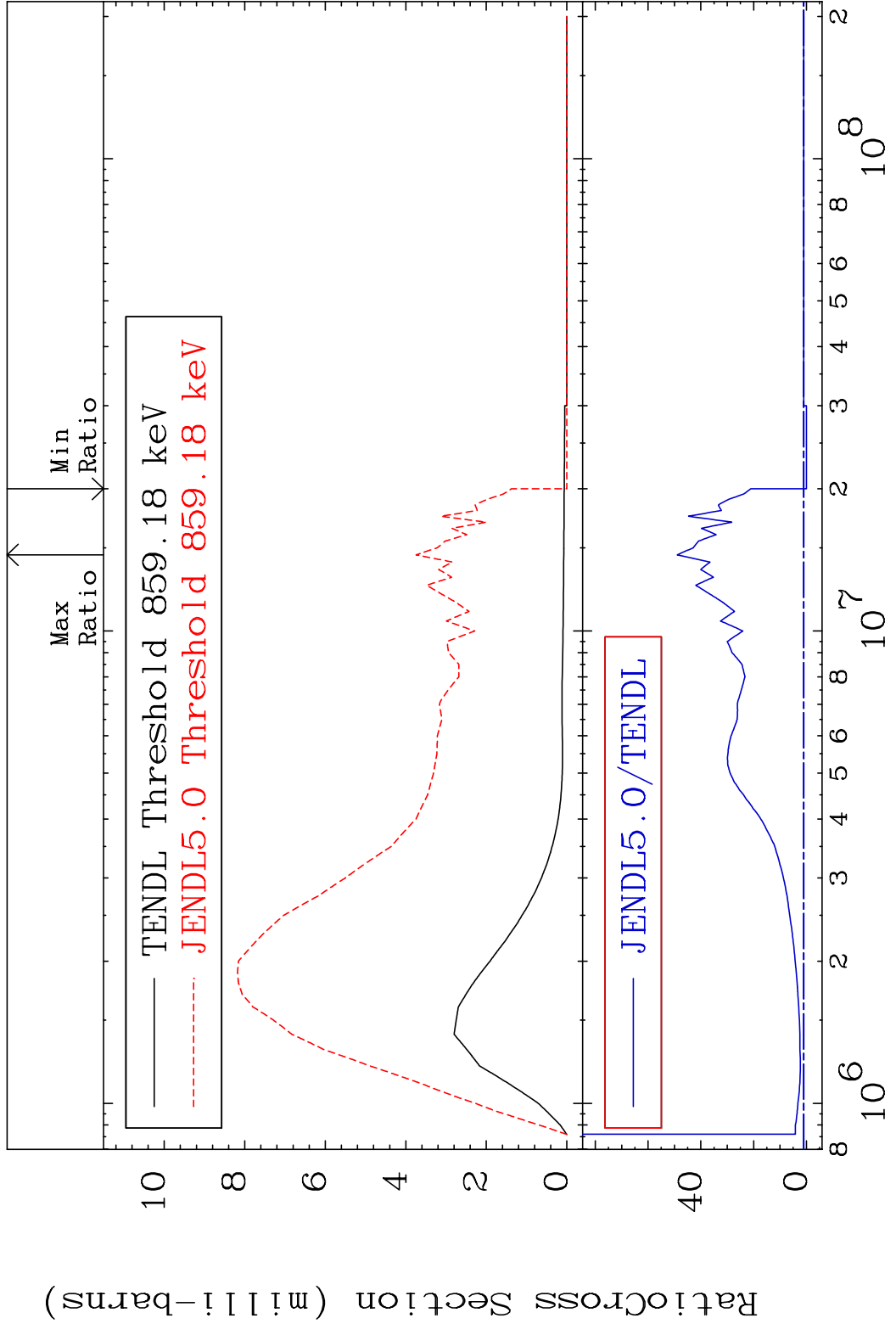


MAT 7131 MT= 73 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 829.6 %

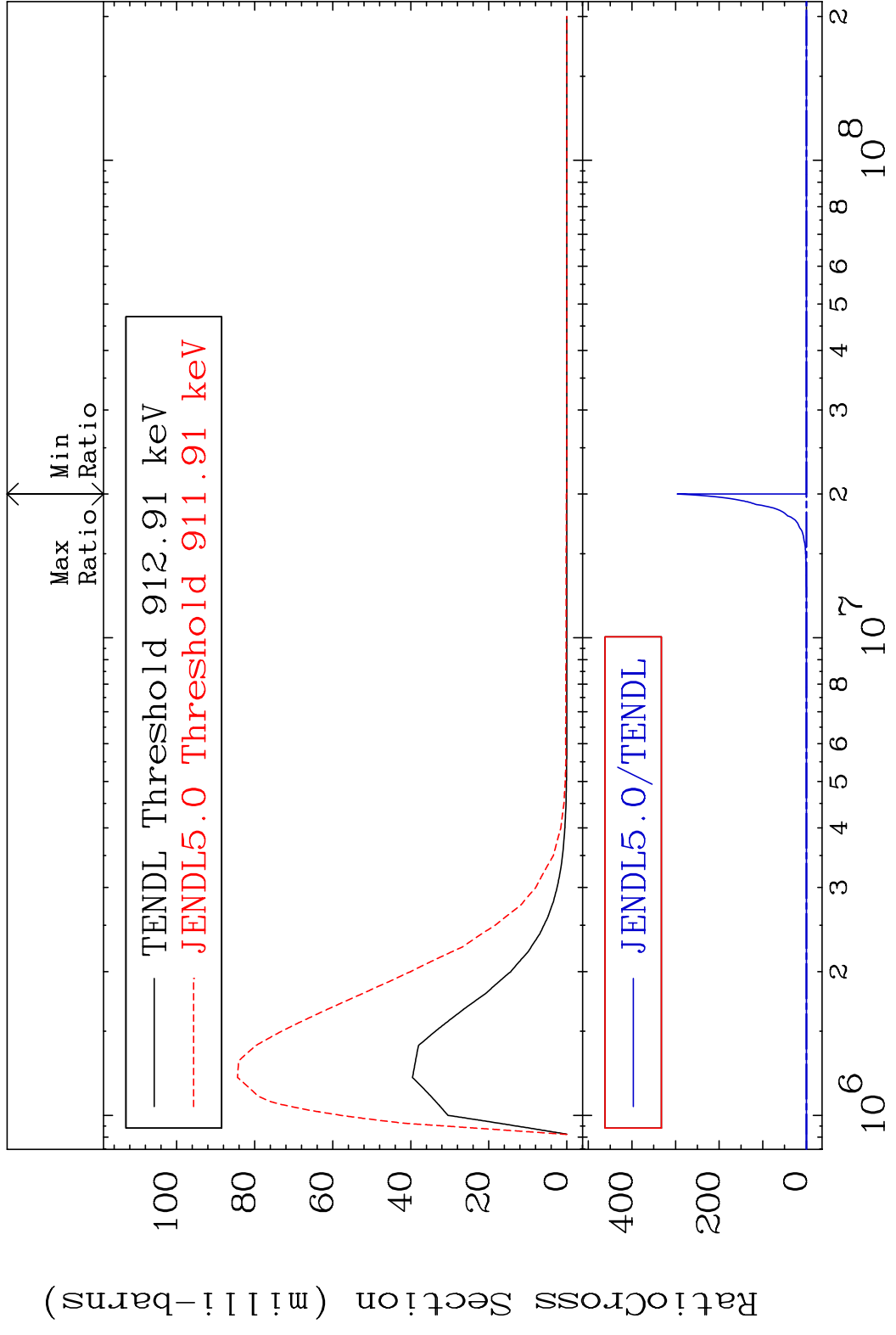


35 Incident Energy (eV) 71-Lu-177

MAT 7131 MT= 74 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 4796. %

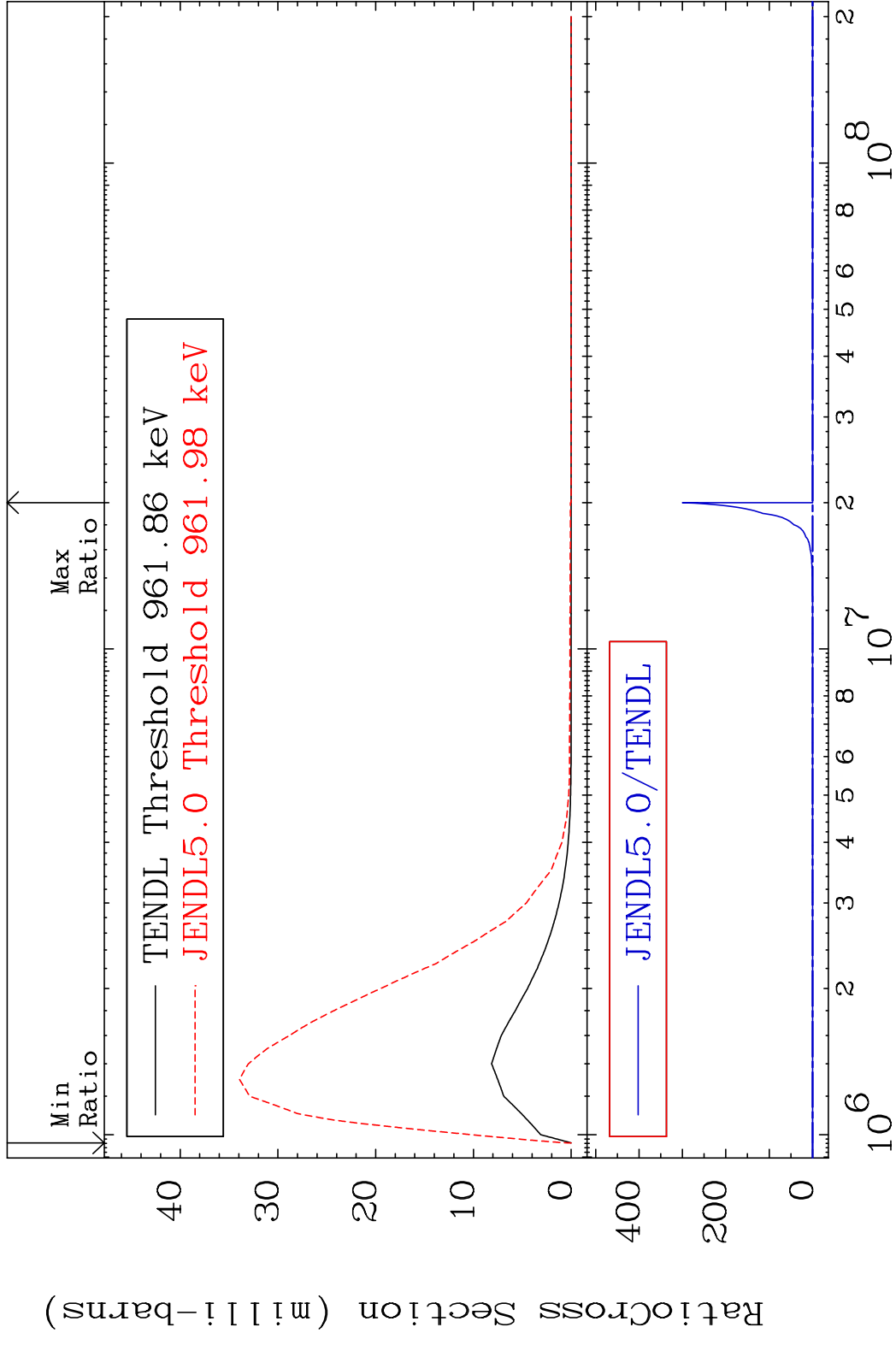


MAT 7131 MT= 75 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 9999. %



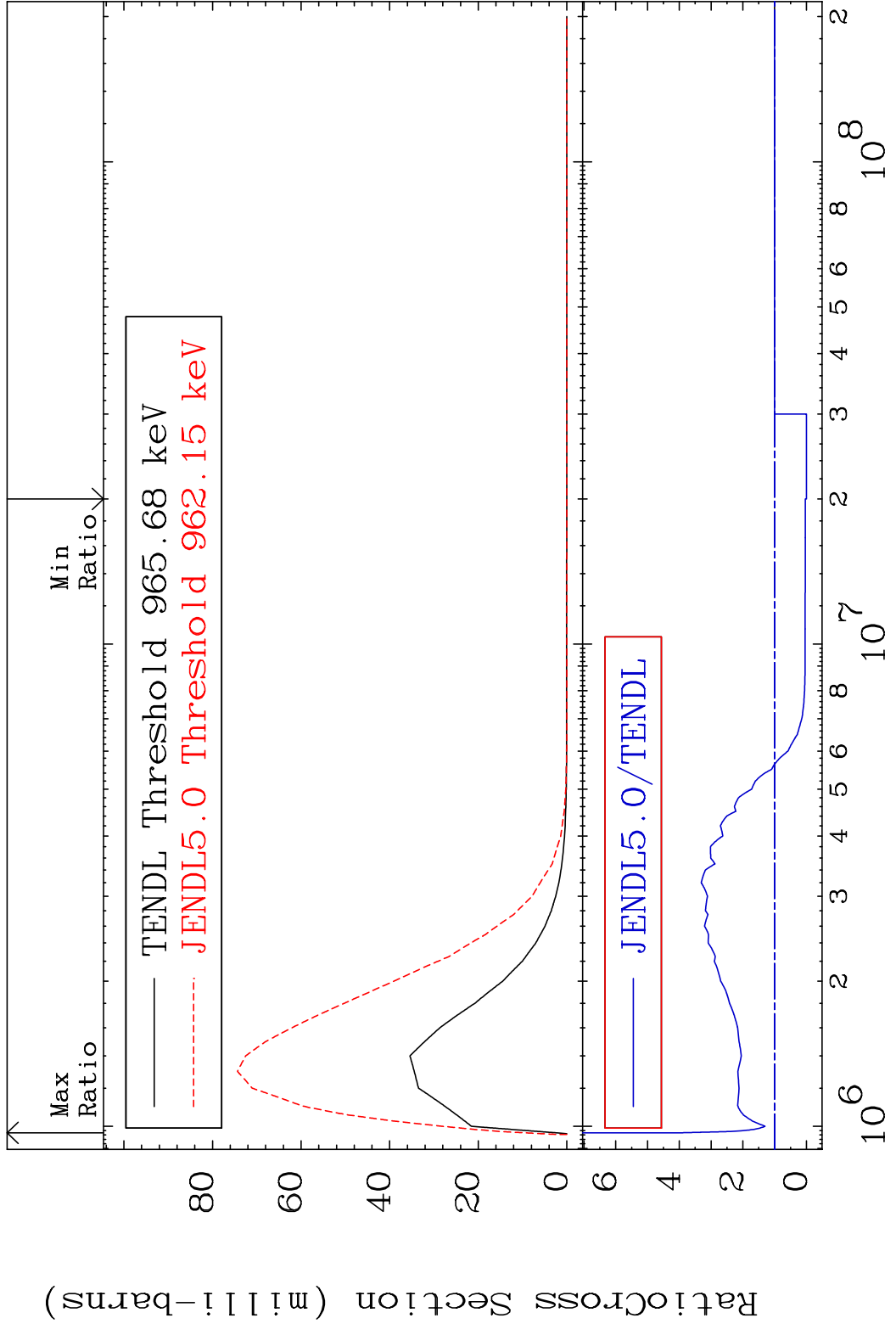
37 Incident Energy (eV) 71-Lu-177

MAT 7131 MT= 76 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 9999. %



38 Incident Energy (eV) 71-Lu-177

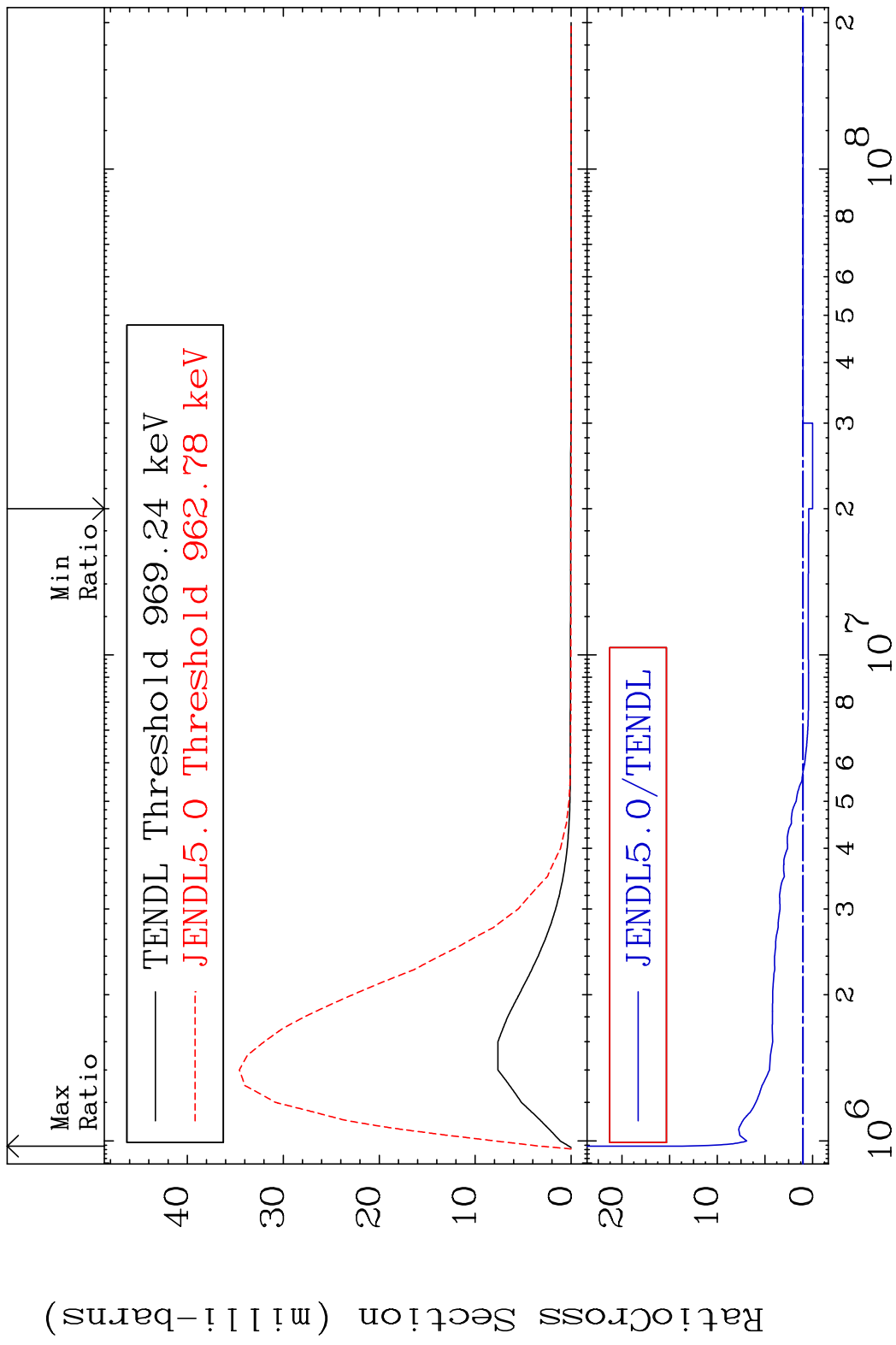
MAT 7131 MT= 77 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 306.7 %



39 Incident Energy (eV) 71-Lu-177

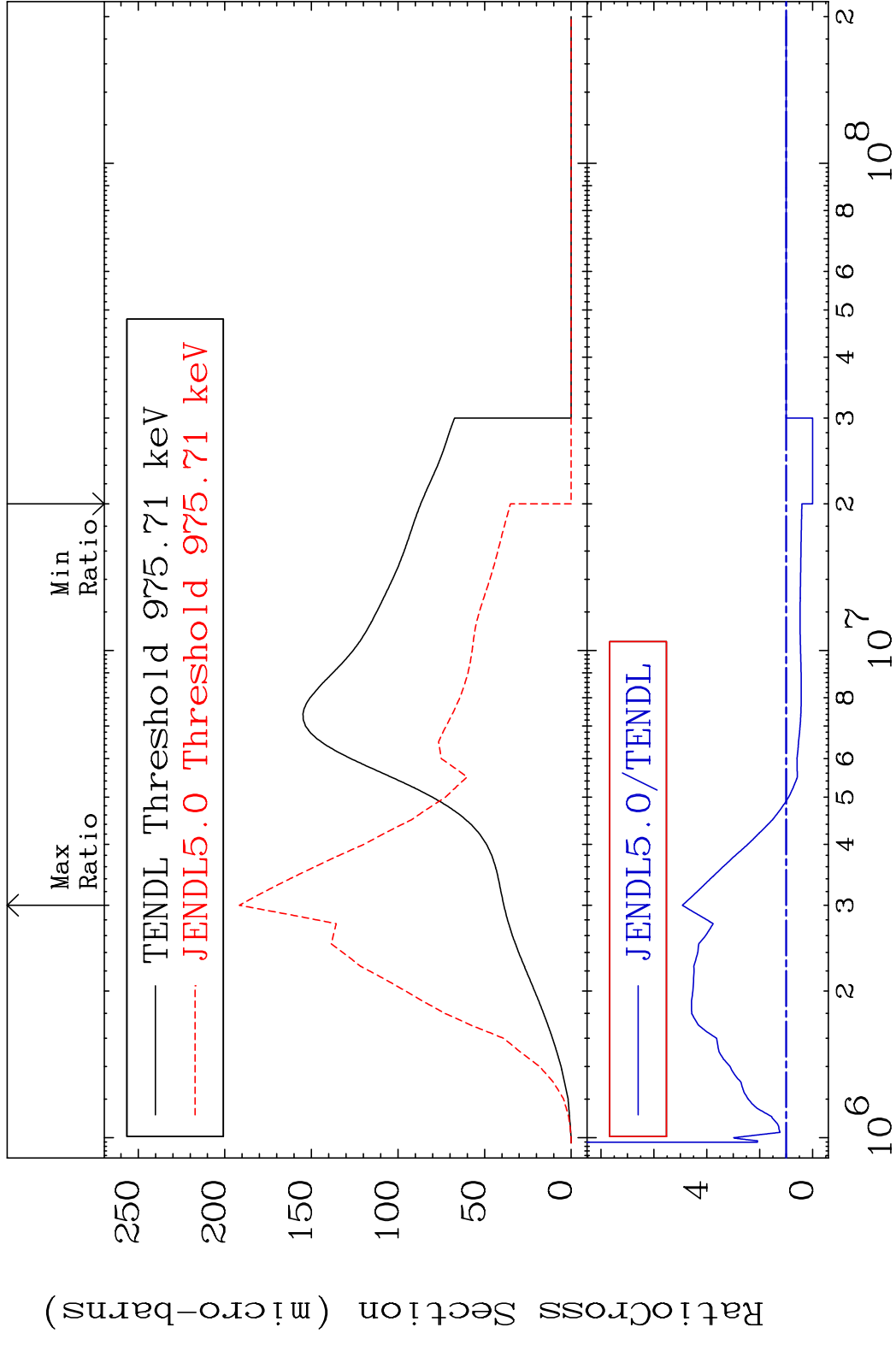


MAT 7131 MT= 78 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 1266. %



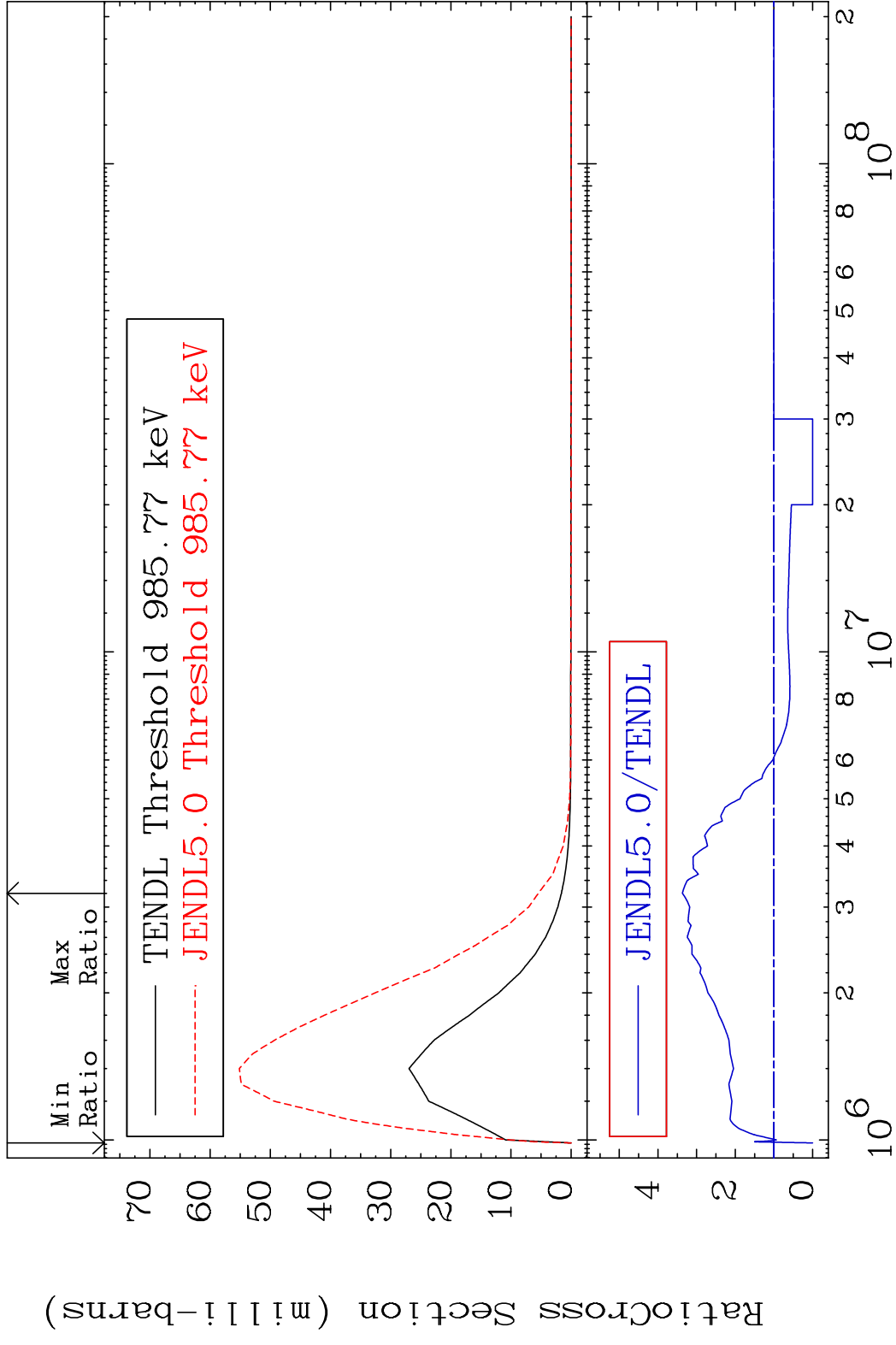
40 20 10 0 20 10 0 2 3 4 5 6 8 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 71-Lu-177

MAT 7131 MT= 79 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 392.4 %



41 Incident Energy (eV) 71-Lu-177

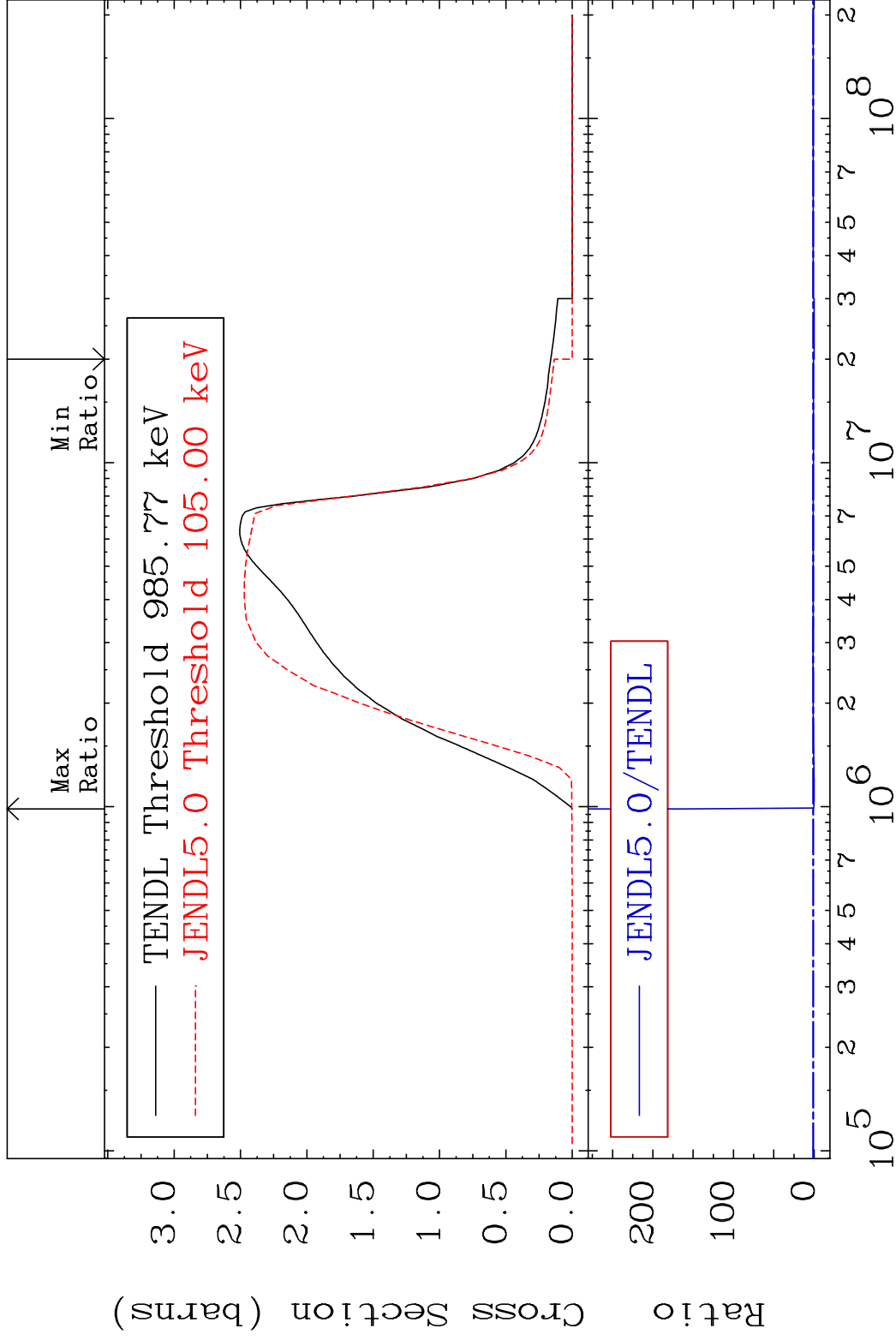
MAT 7131 MT= 80 (n, n') Level 71-Lu-177  
 Cross Section -100.0 To 236.9 %



42 Incident Energy (eV) 71-Lu-177

MAT 7131

(n, n') Continuum 71-Lu-177  
Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

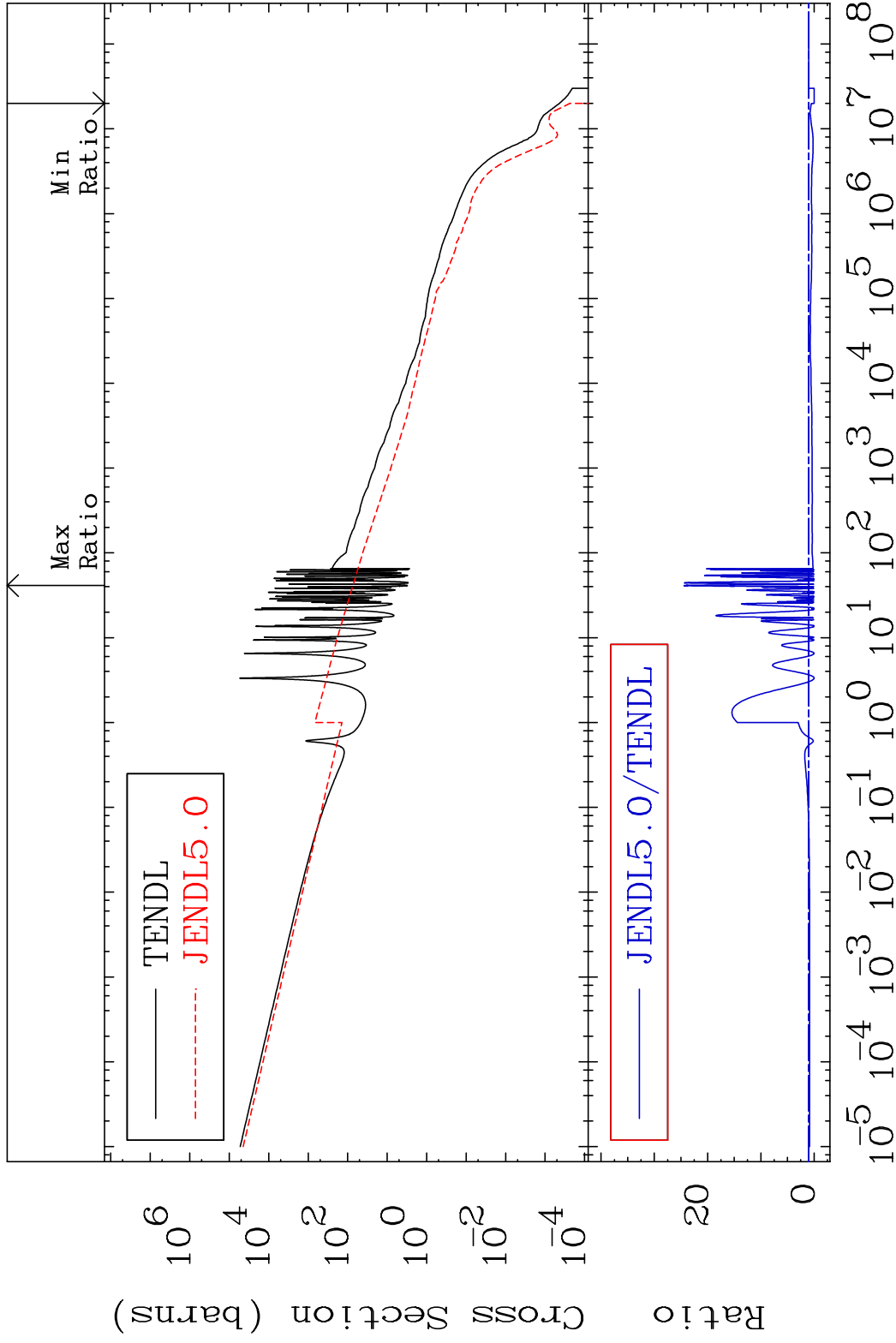
71-Lu-177

MAT 7131

(n,  $\gamma$ )

71-Lu-177

Cross Section -100.0 To 2349. %



44

Incident Energy (eV)

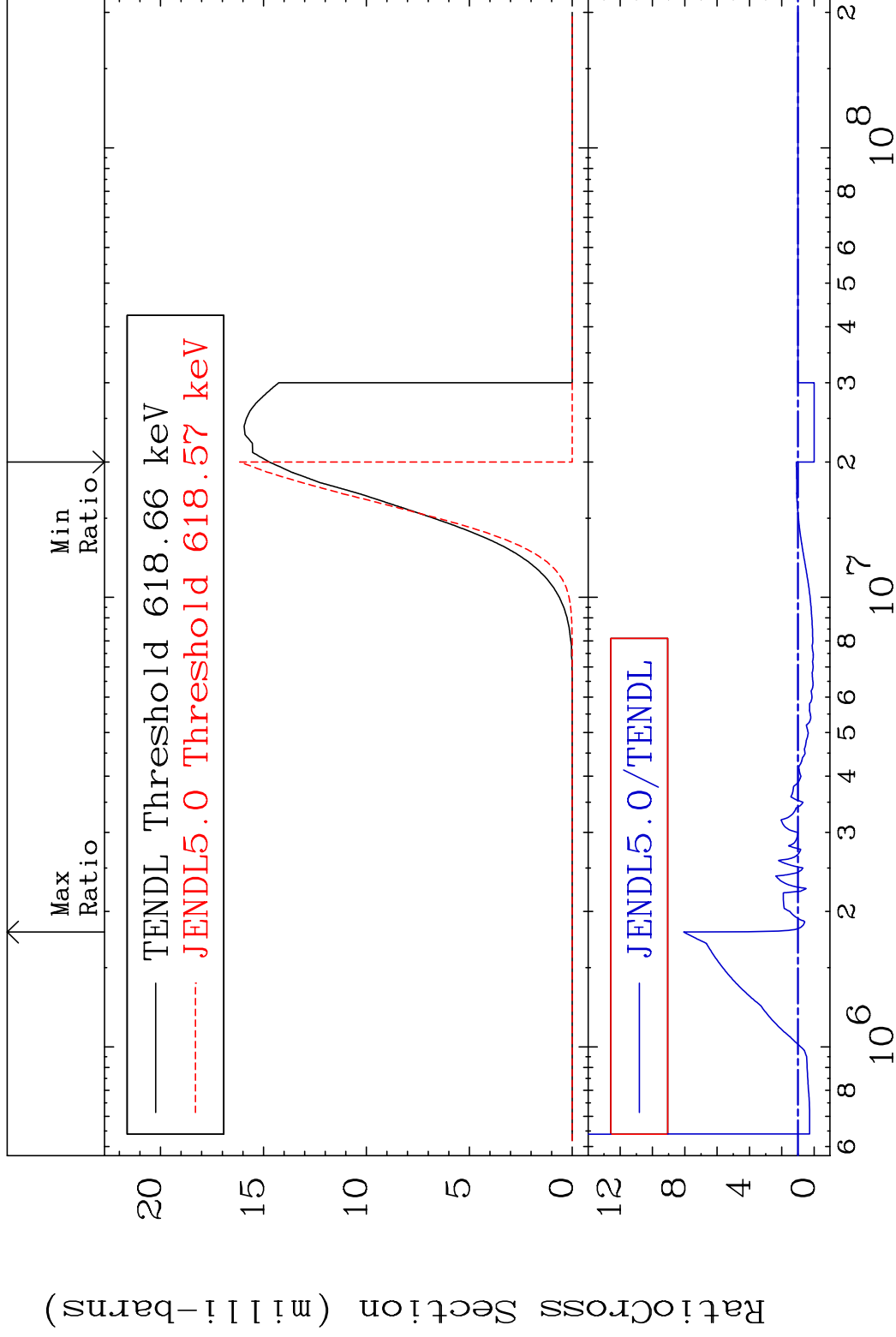
71-Lu-177

MAT 7131

(n, p)

71-Lu-177

Cross Section -100.0 To 707.0 %



45

Incident Energy (eV)

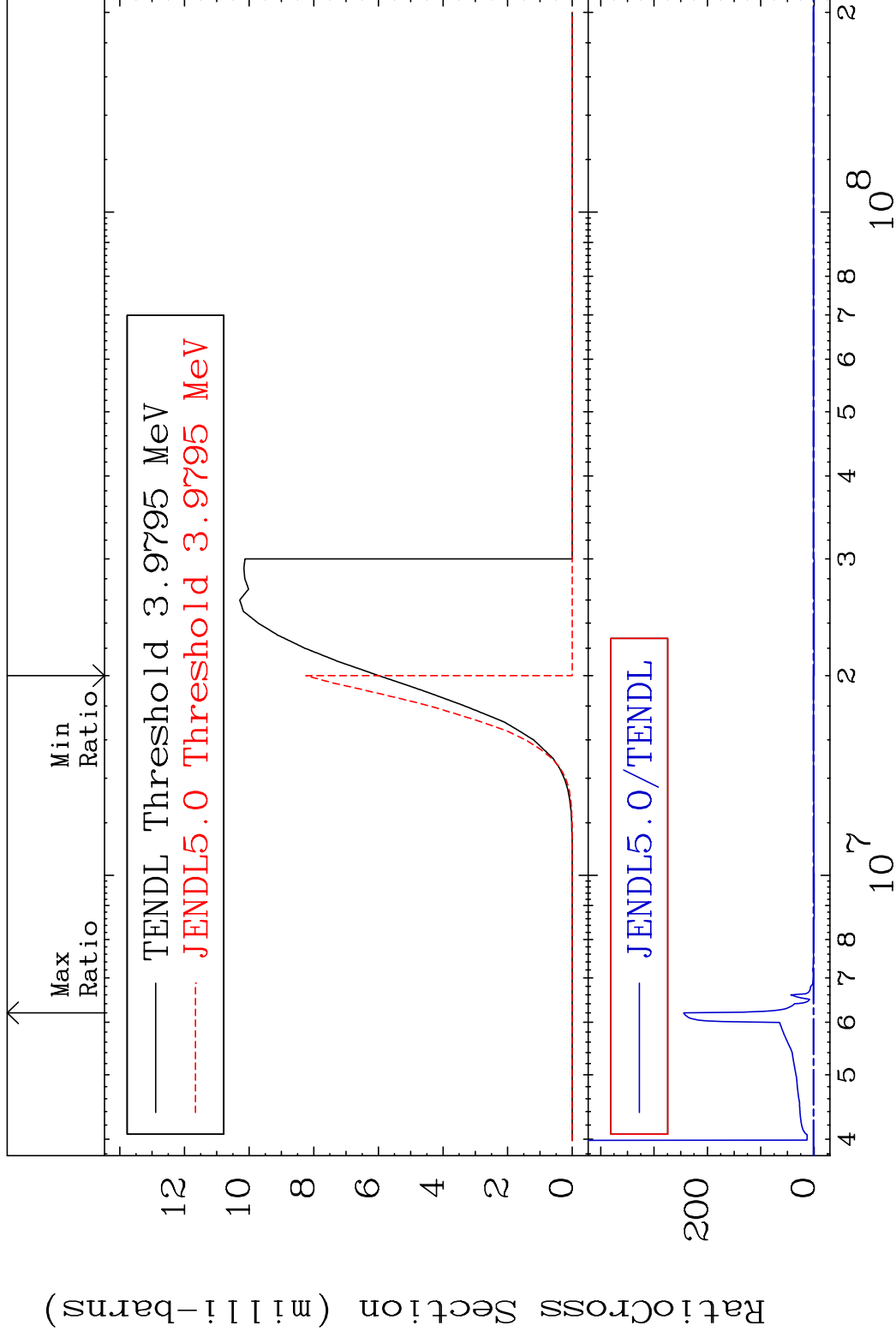
71-Lu-177

MAT 7131

(n,d)

71-Lu-177

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

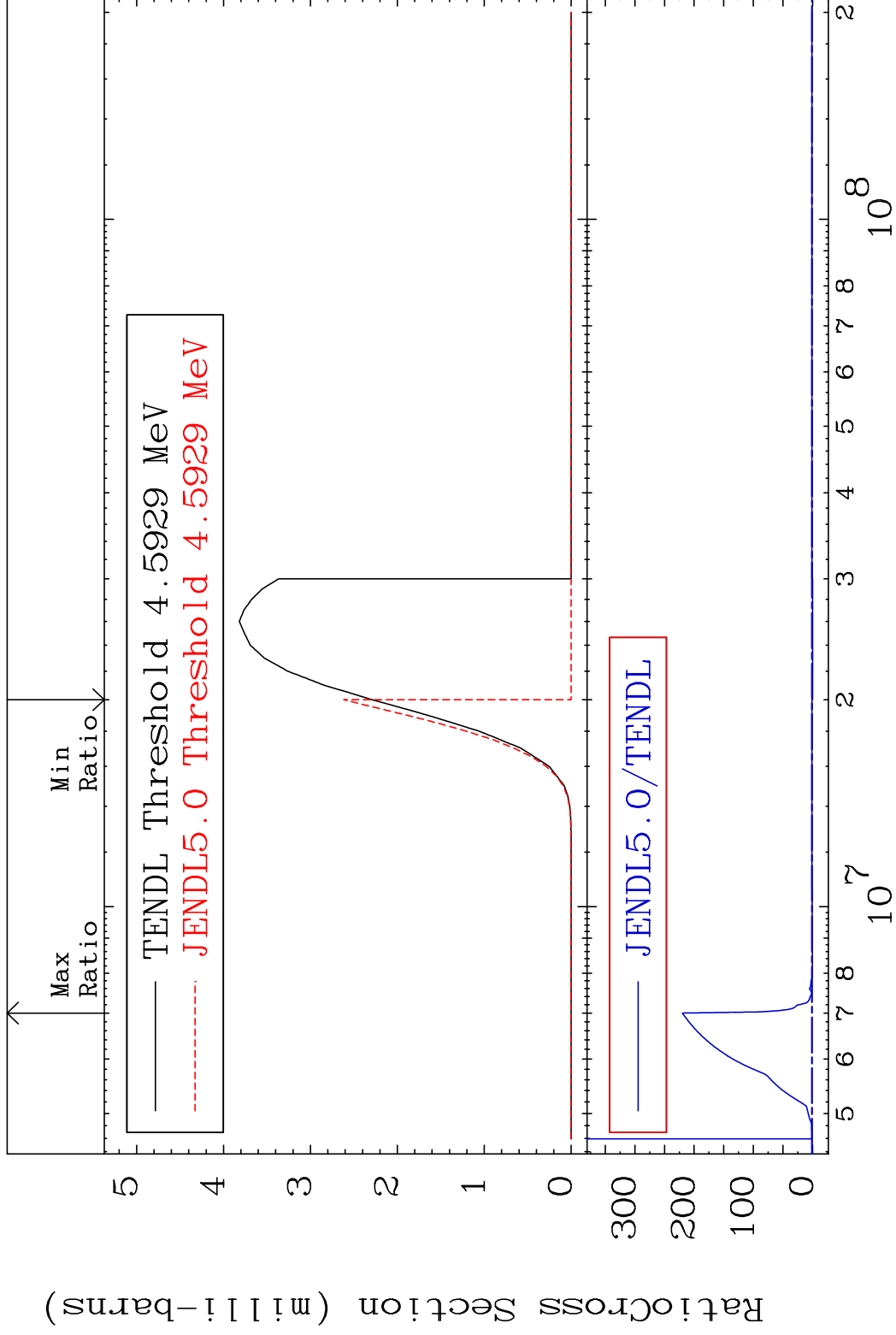
71-Lu-177

MAT 7131

(n, t)

71-Lu-177

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

71-Lu-177

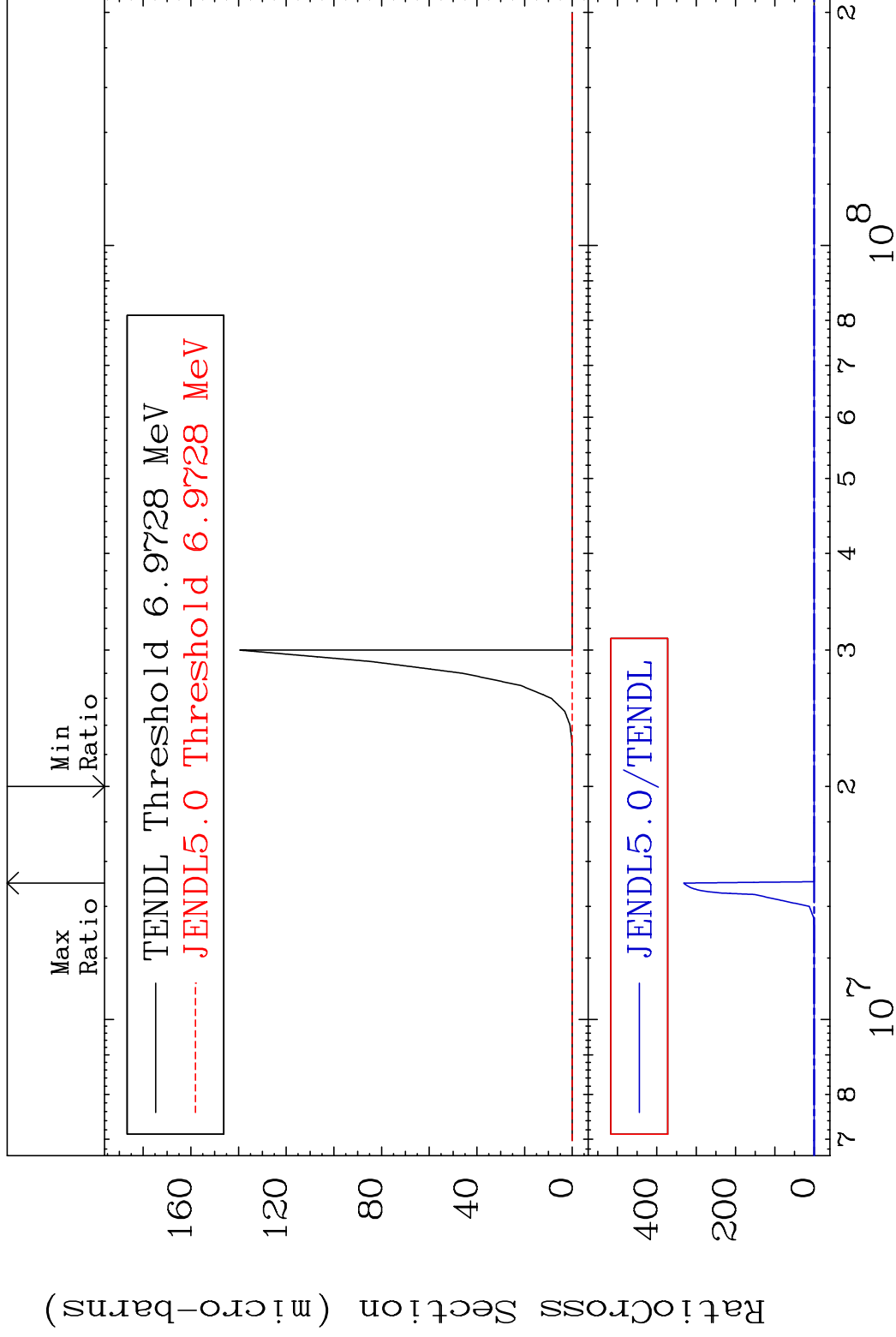


MAT 7131

(n, He-3)

71-Lu-177

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

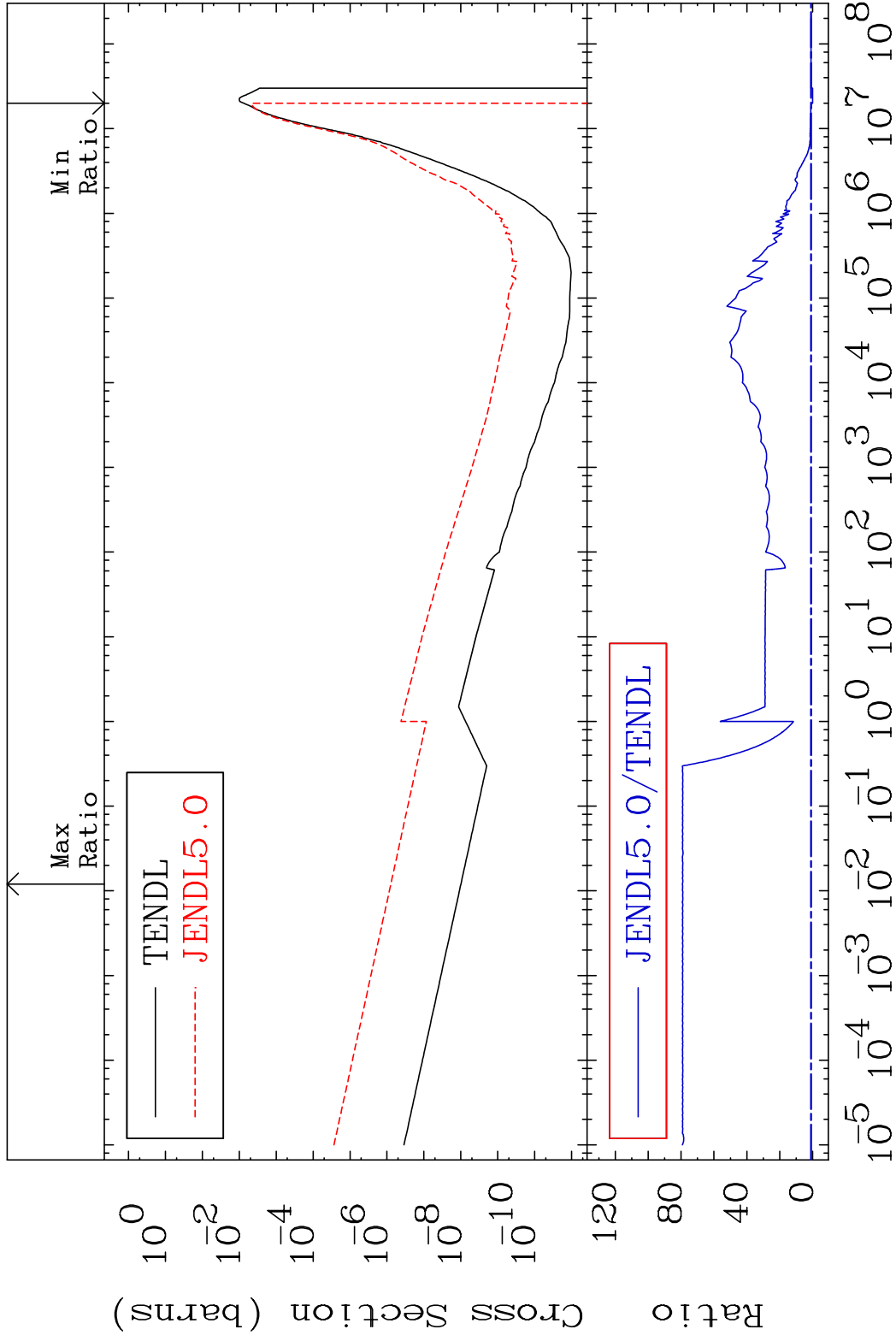
71-Lu-177

MAT 7131

(n,  $\alpha$ )

71-Lu-177

Cross Section -100.0 To 7824. %



49

Incident Energy (eV)

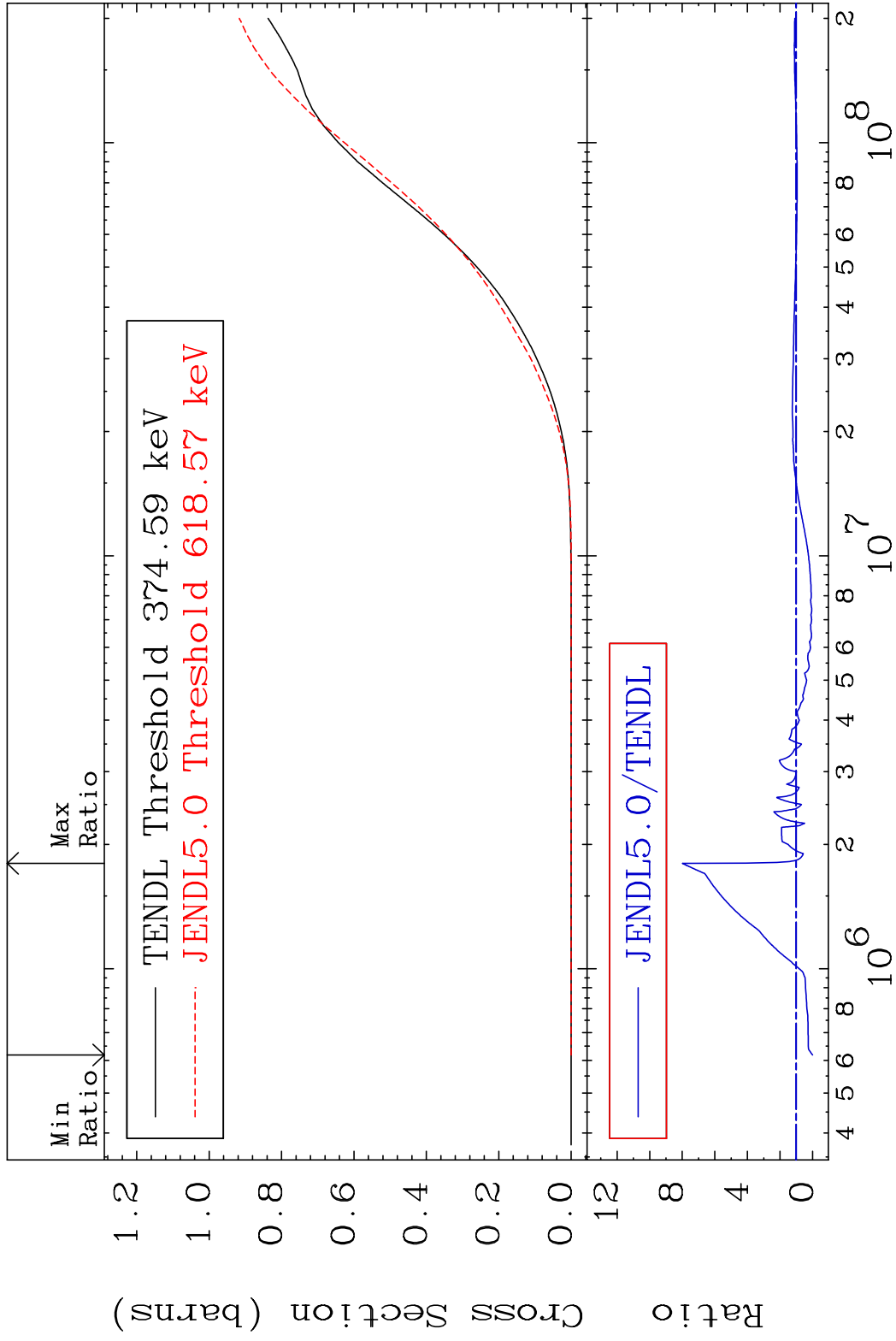
71-Lu-177

MAT 7131

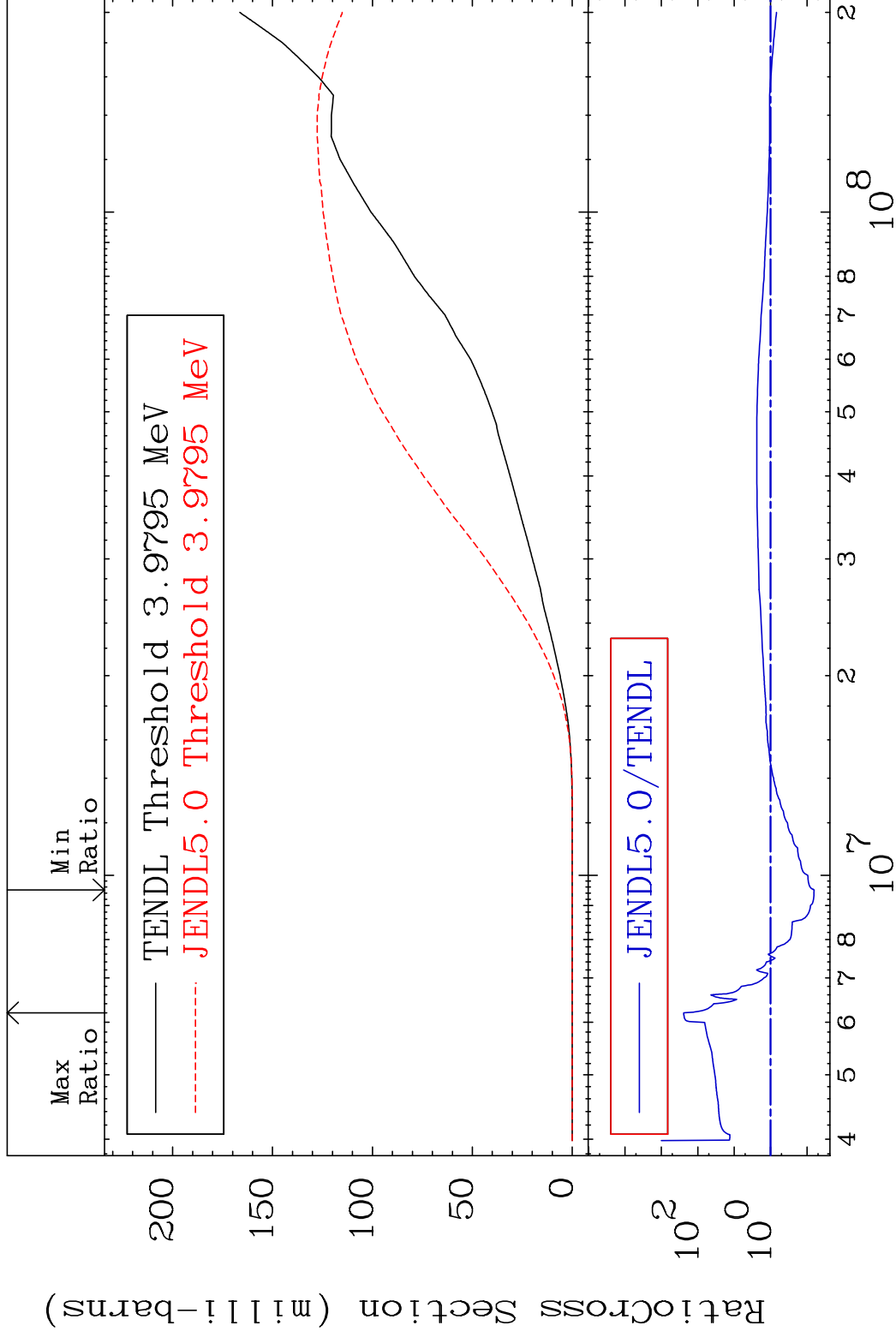
Hydrogen Production

71-Lu-177

Cross Section -100.0 To 699.5 %



Cross Section -93.62 To 9999. %

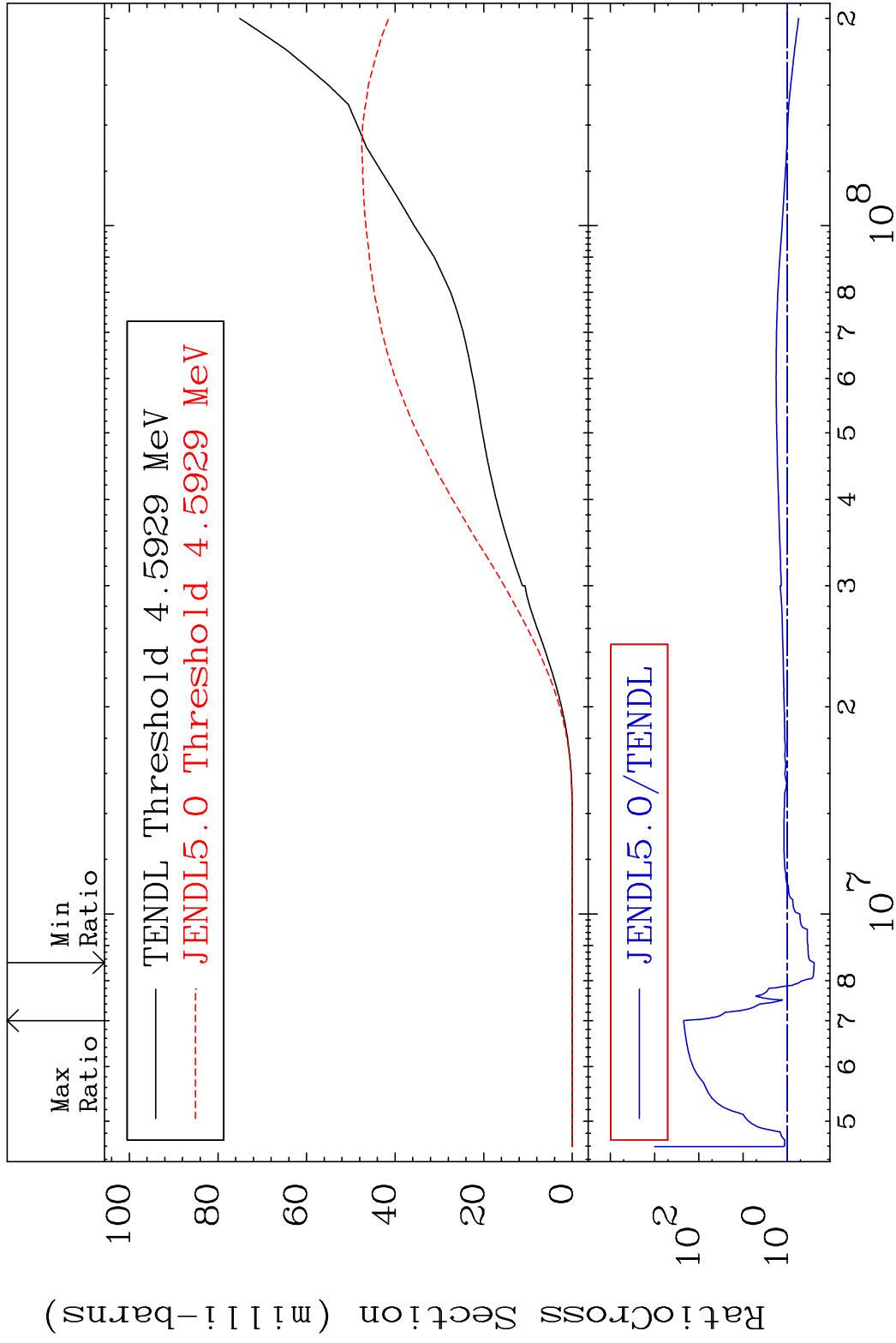


MAT 7131

Tritium Production

71-Lu-177

Cross Section -75.36 To 9999. %

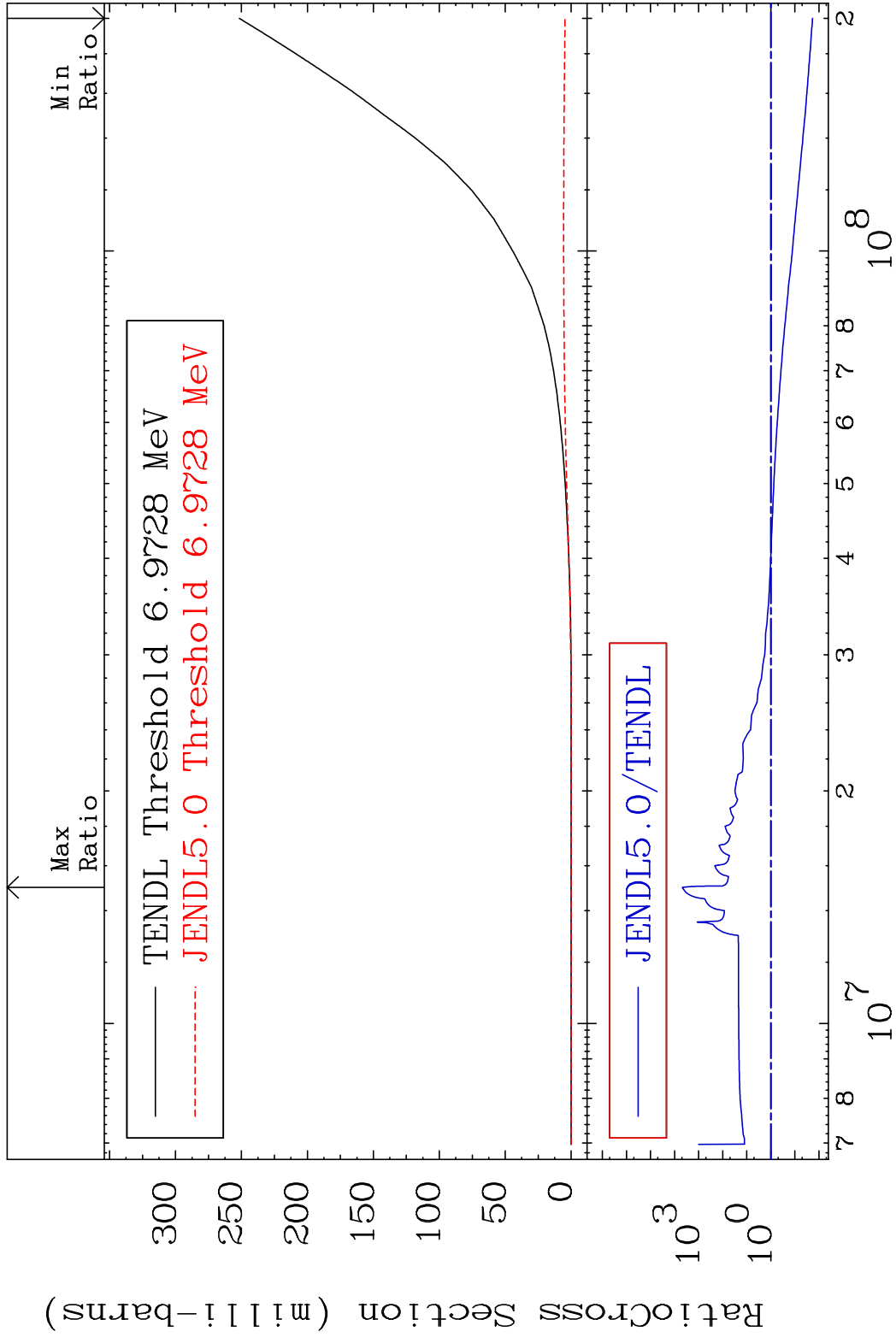


MAT 7131

He-3 Production

71-Lu-177

Cross Section -98.16 To 9999. %



53

Incident Energy (eV)

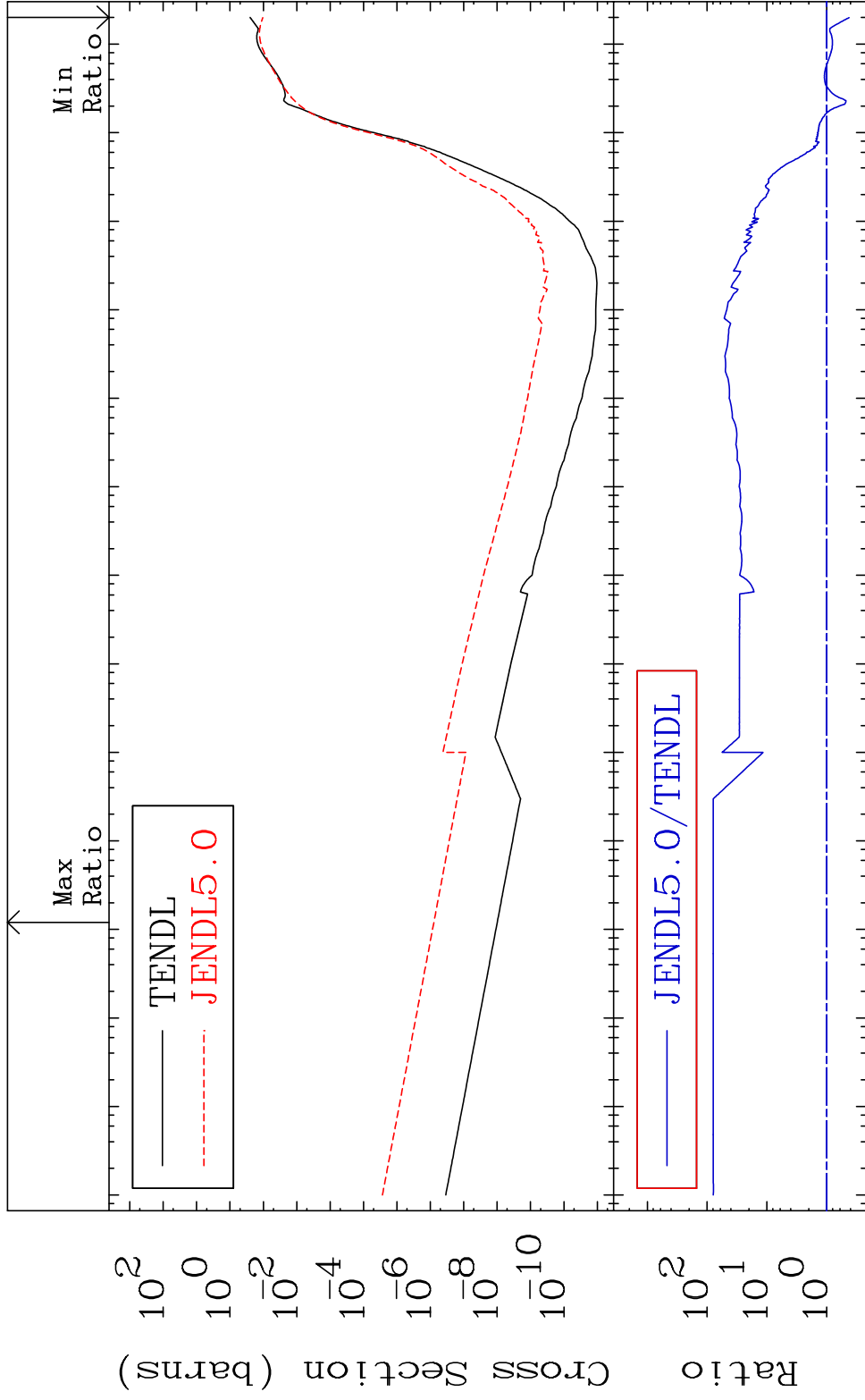
71-Lu-177

MAT 7131

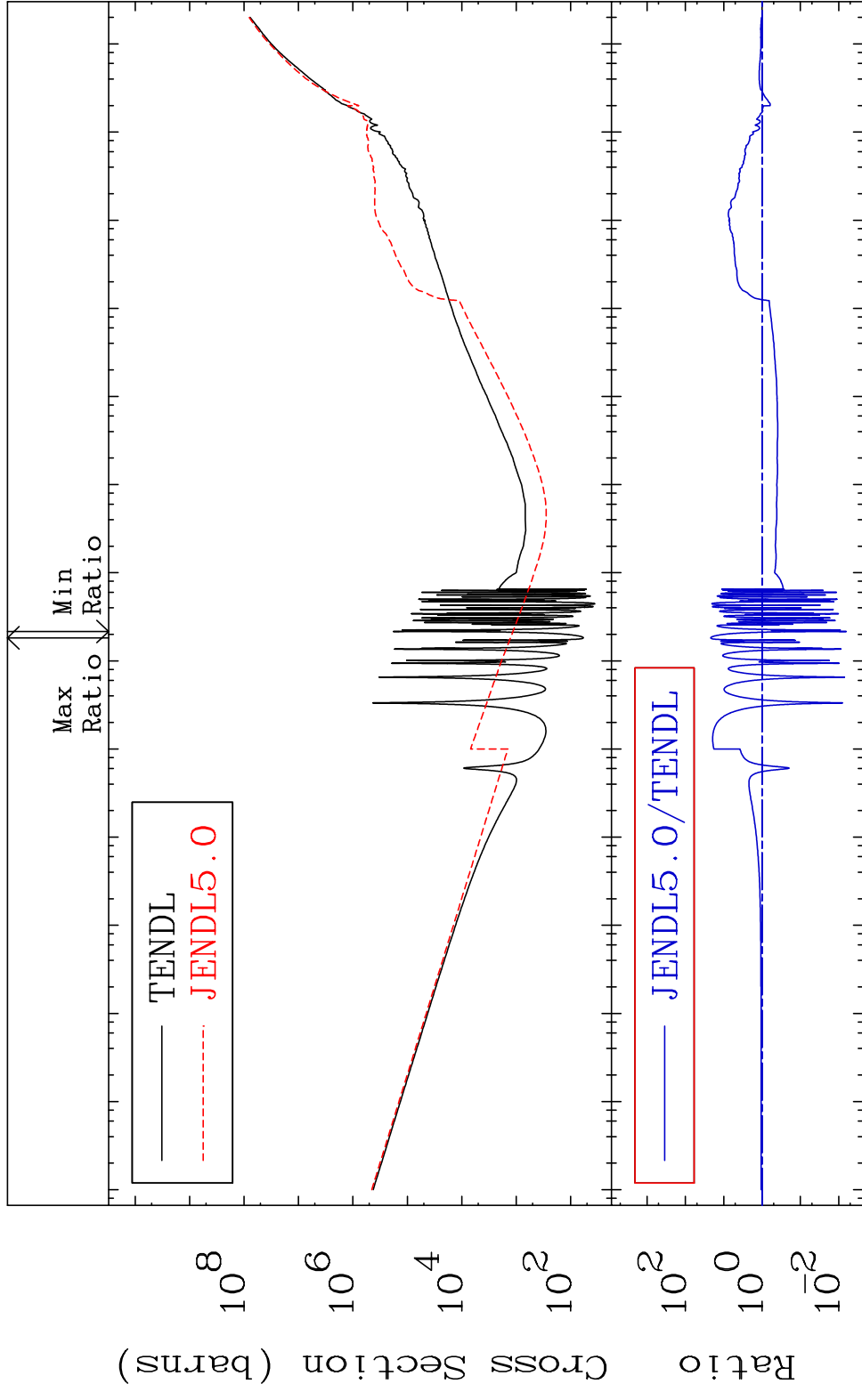
He-4 Production

71-Lu-177

Cross Section -57.94 To 7824. %



MAT 7131 Kerma total (eV-barns) 71-Lu-177  
 Cross Section -99.37 To 2085. %

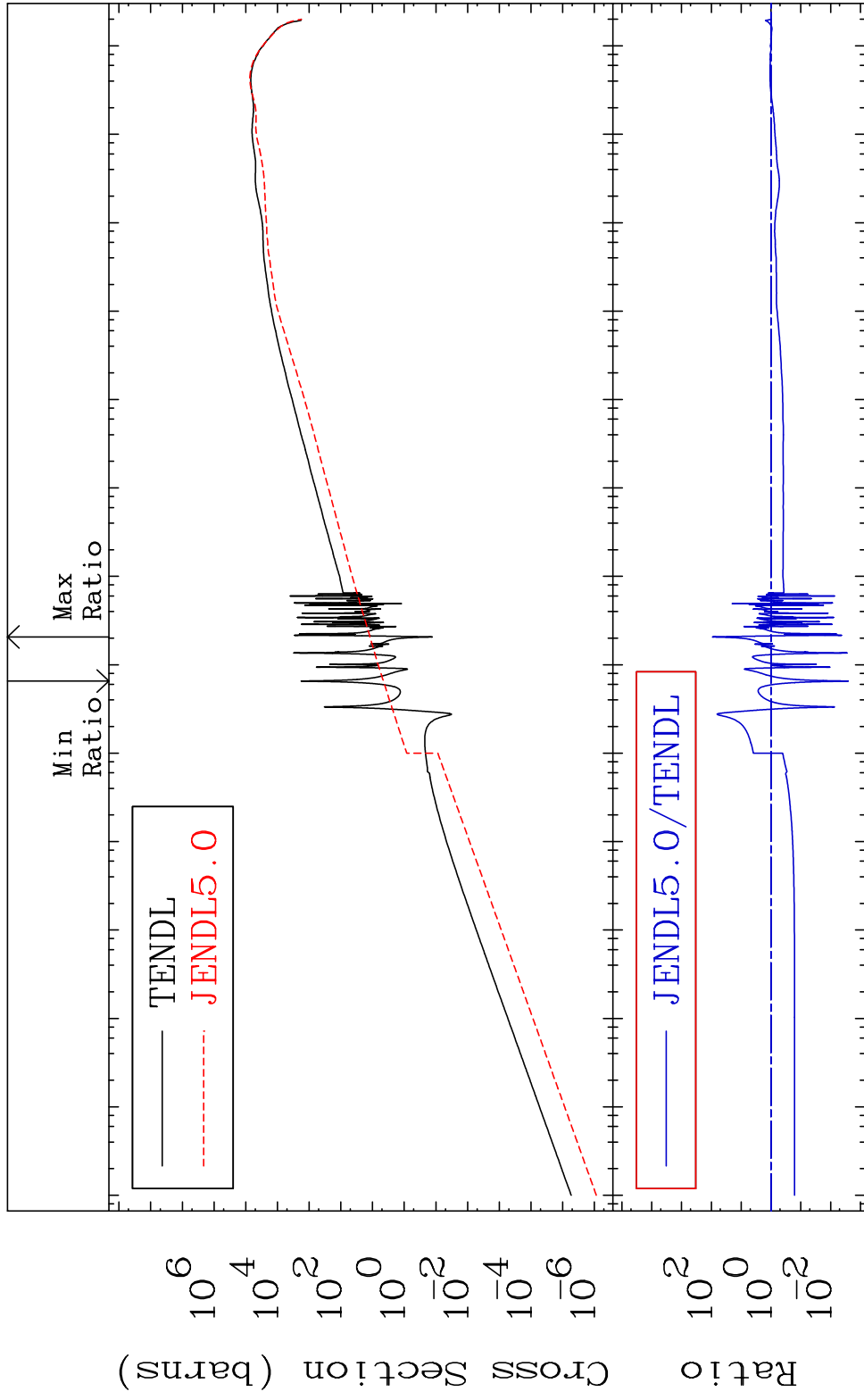




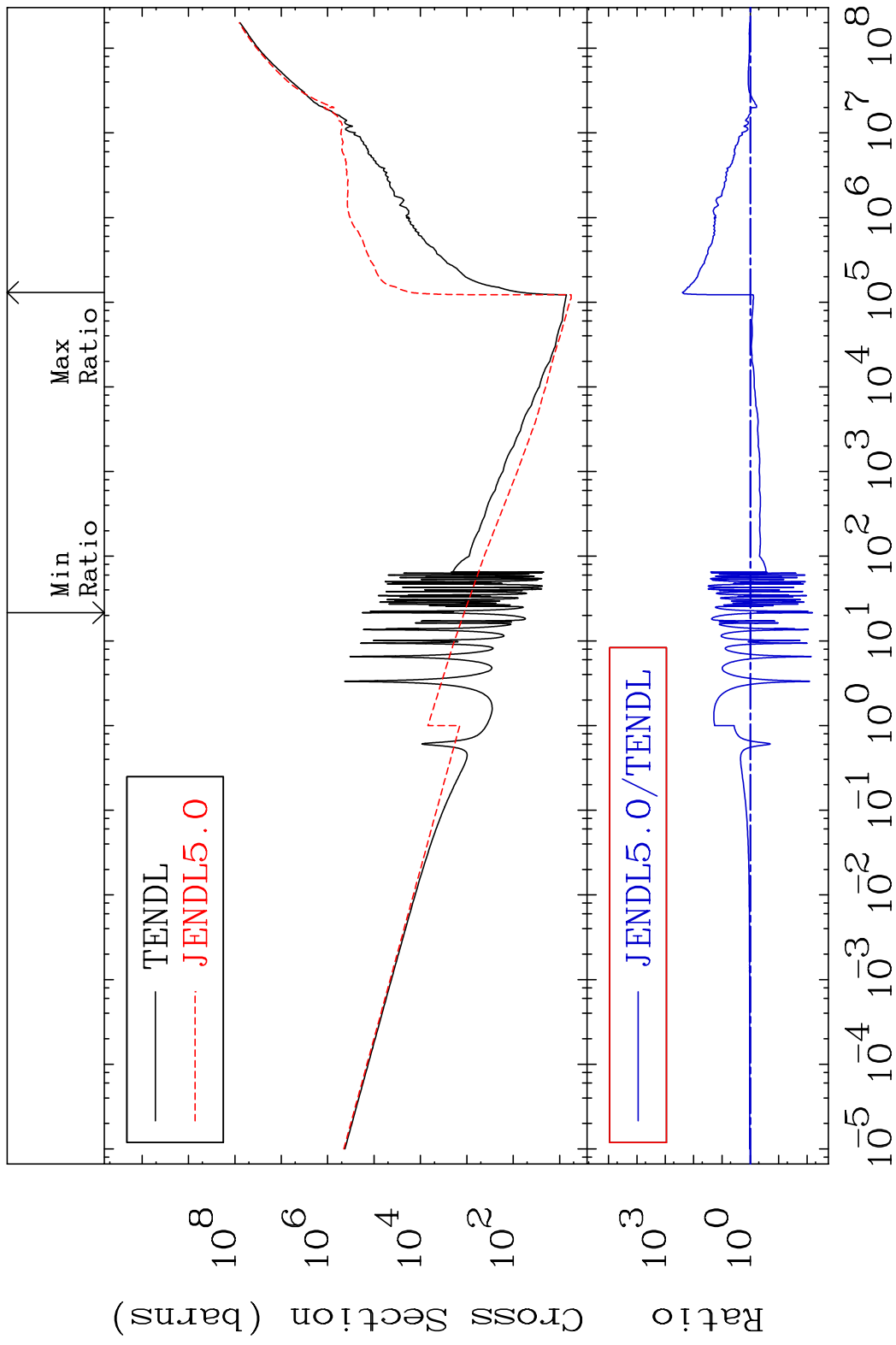
MAT 7131

Kerma elastic Cross Section -99.74 To 9163. %

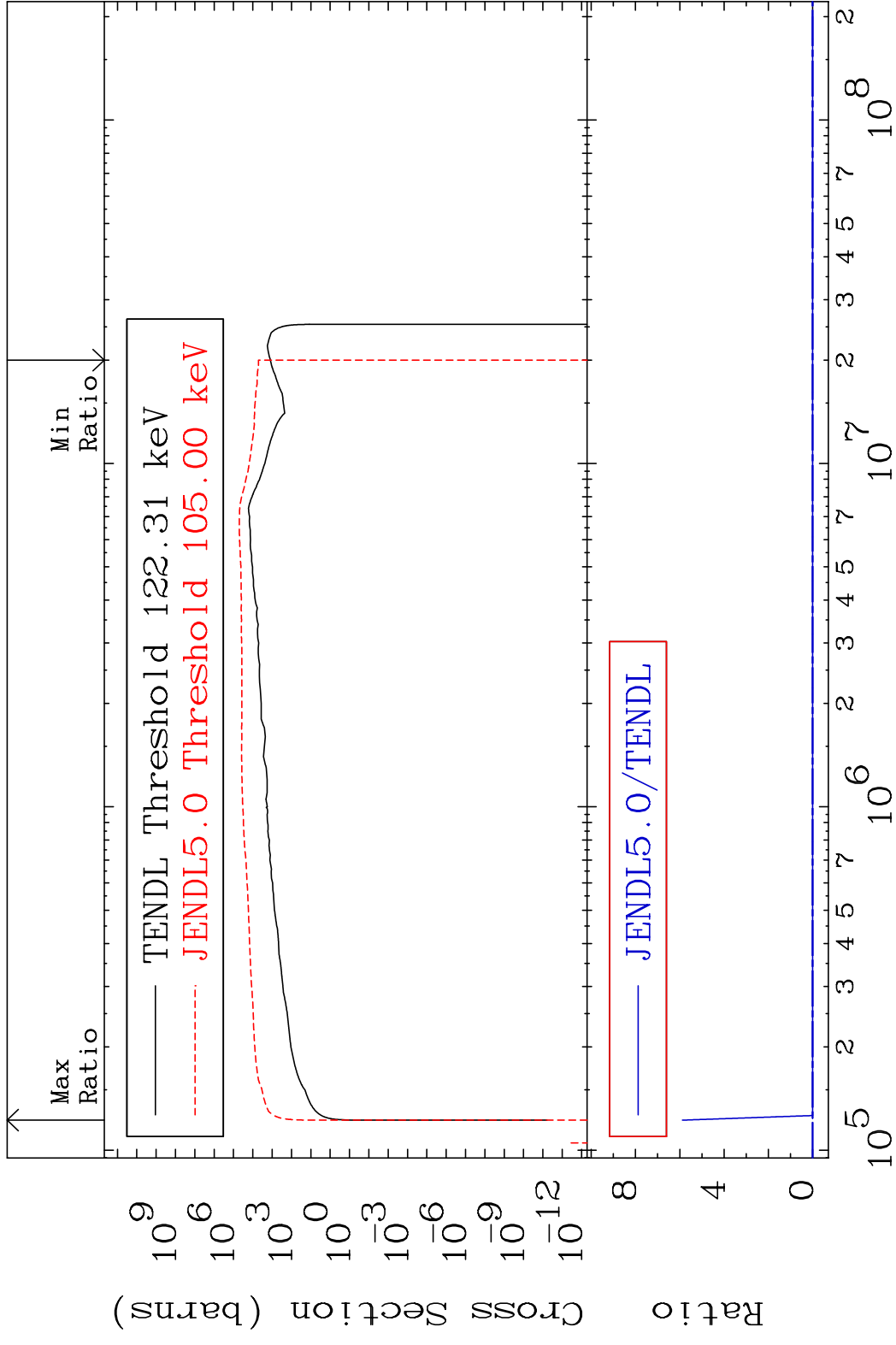
71-Lu-177



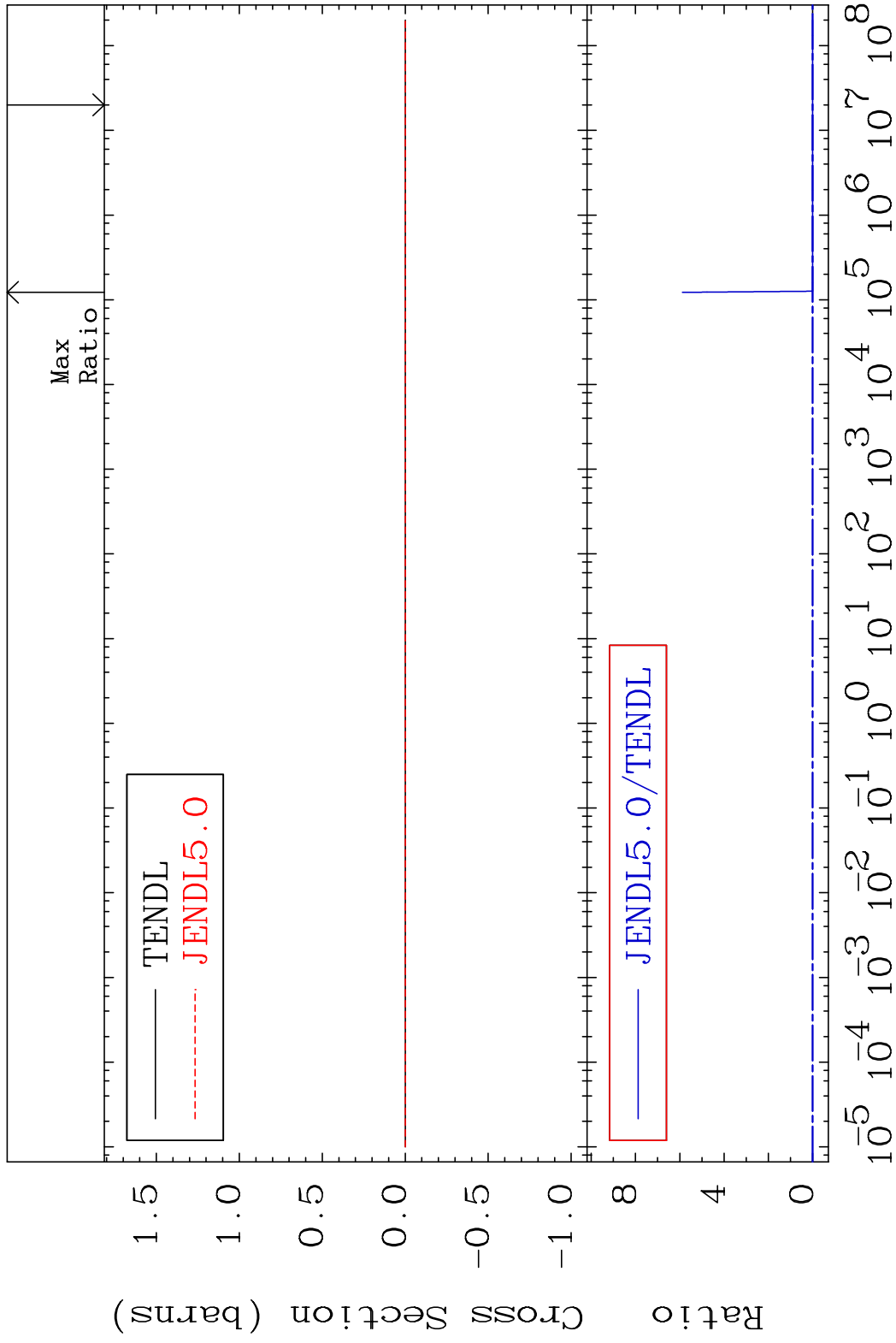
MAT 7131 Kerma non-elastic (all but mt2) 71-Lu-177  
 Cross Section -99.36 To 9999. %



MAT 7131 Kerma inelastic (mt51-91) 71-Lu-177  
 Cross Section -100.0 To 9999. %



MAT 7131 Kerma fission (mt18 or mt19-20-21-38)71-Lu-177  
 Cross Section -100.0 To 9999. %

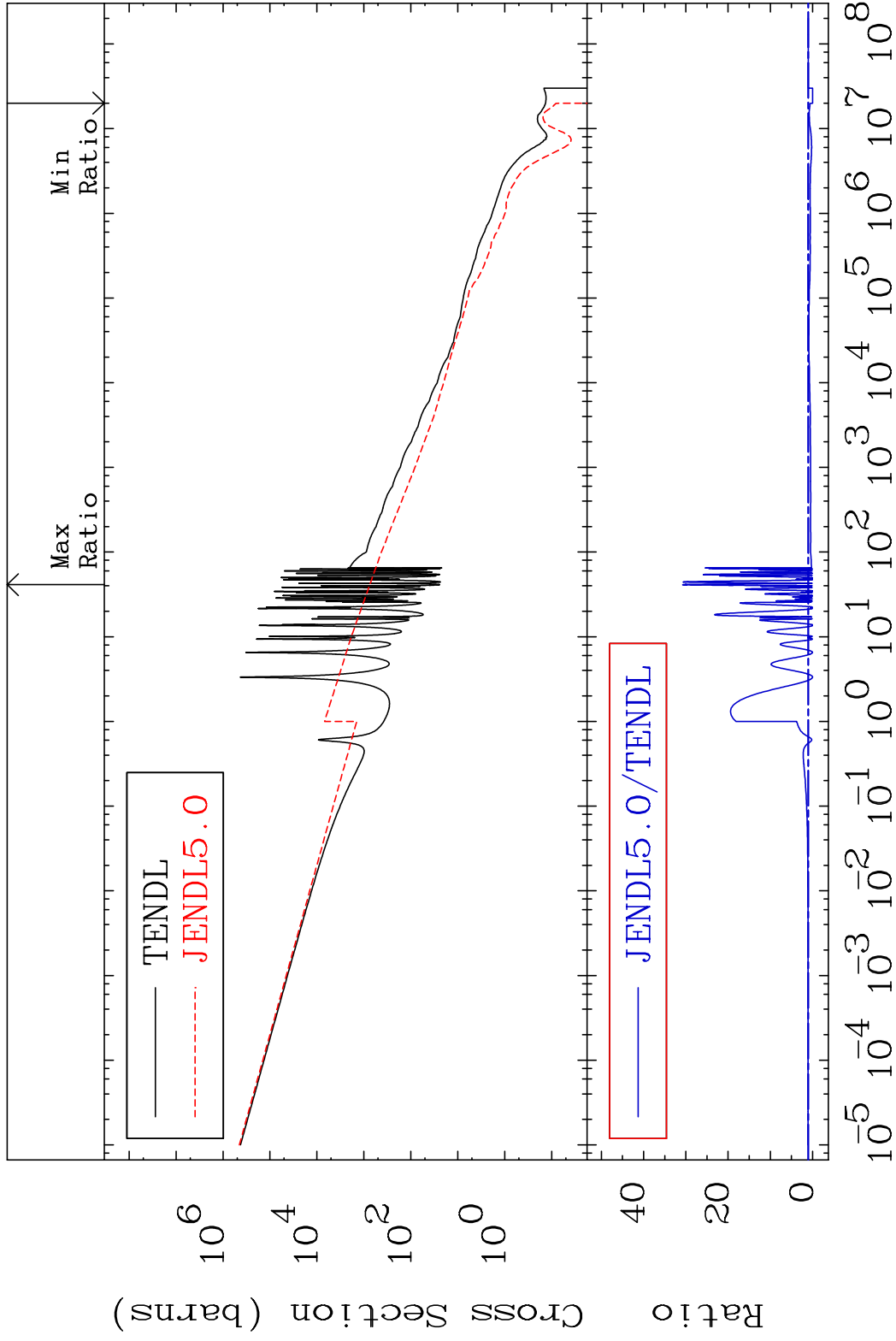


MAT 7131

Kerma capture (mt102)

71-Lu-177

Cross Section -100.0 To 2983. %

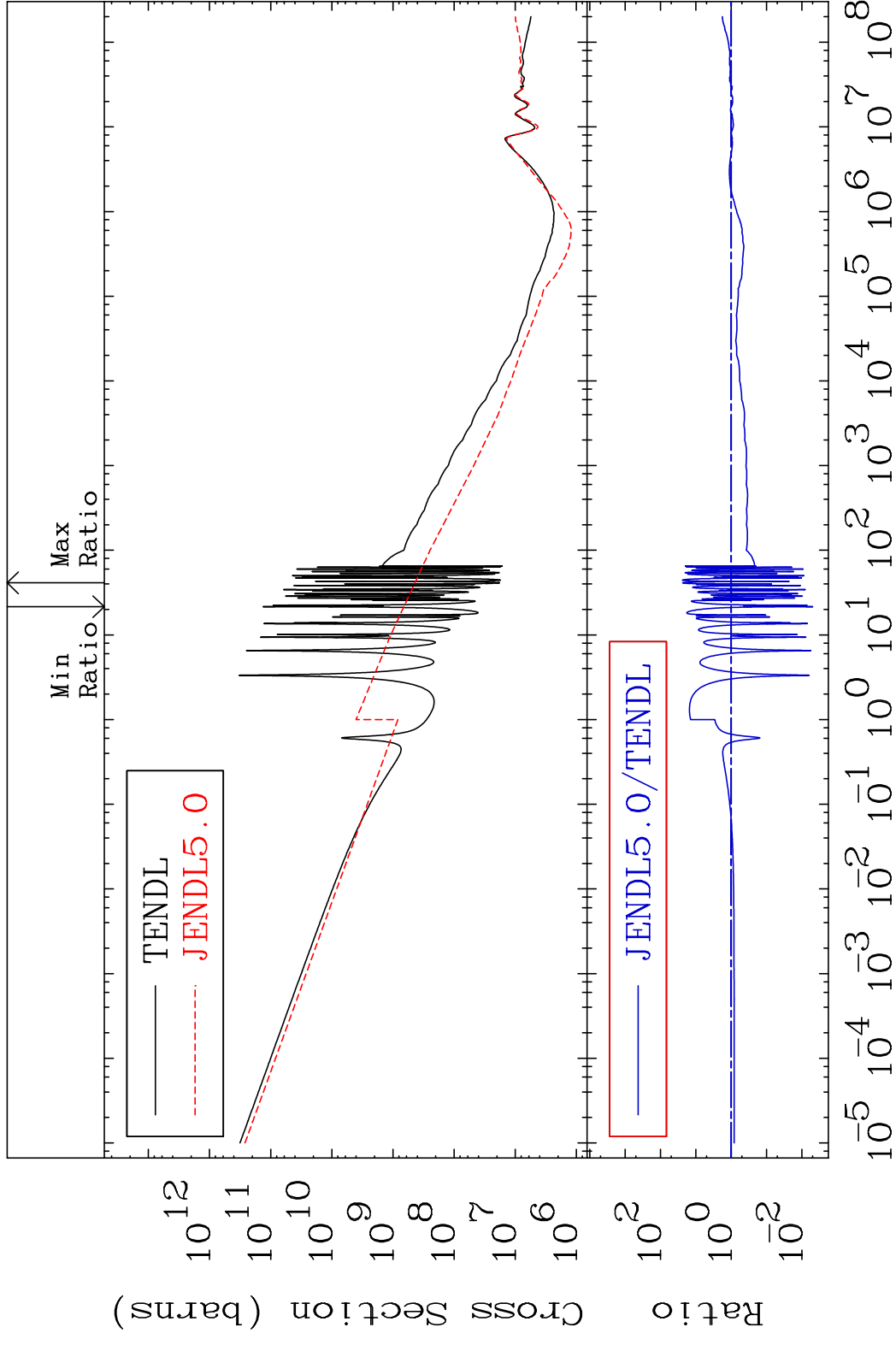


60

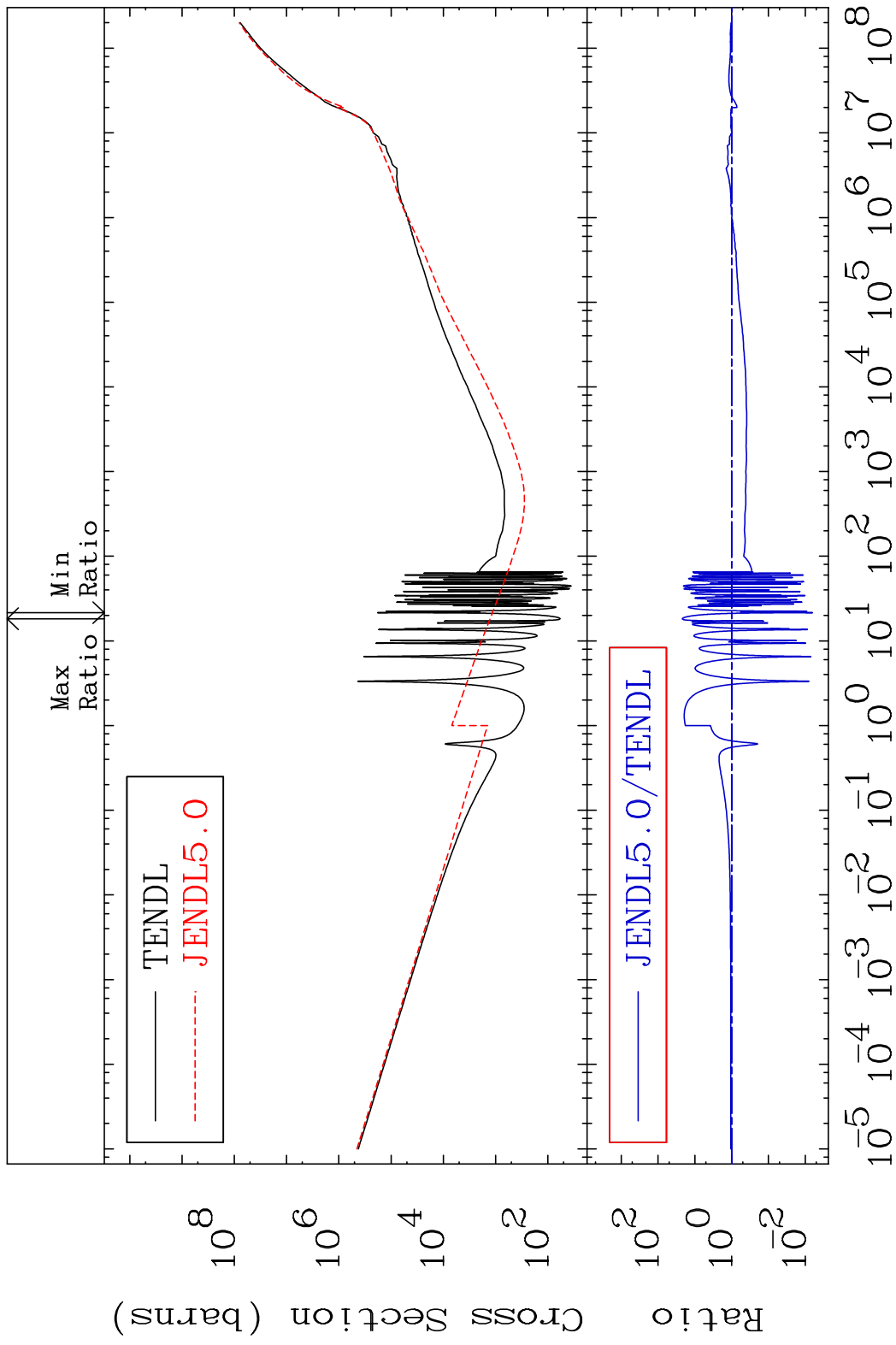
Incident Energy (eV)

71-Lu-177

MAT 7131 Total photon (eV-barns) 71-Lu-177  
 Cross Section -99.50 To 2315. %



MAT 7131 Total kinematic kerma (high limit) 71-Lu-177  
 Cross Section -99.37 To 2085. %

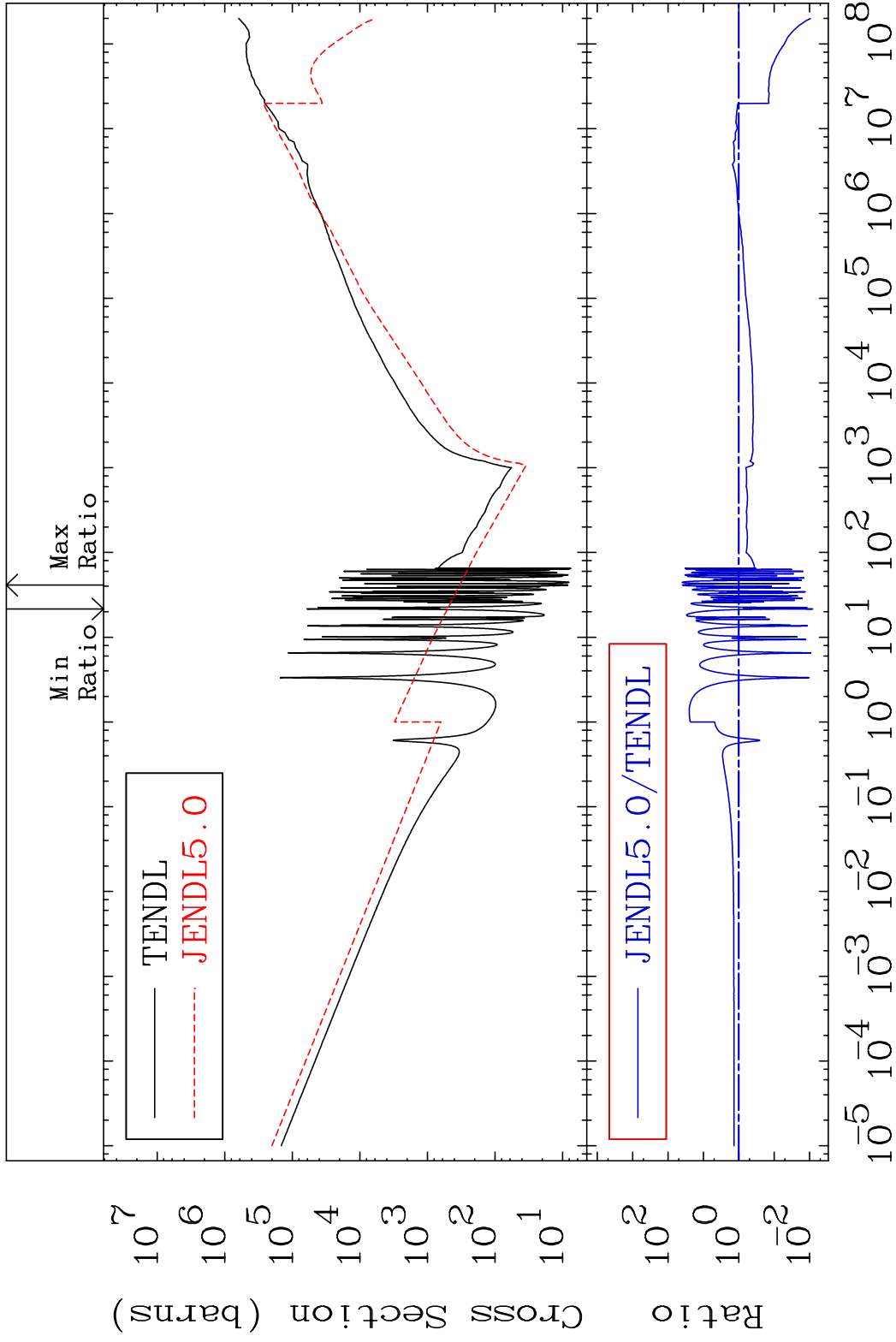


MAT 7131

Dpa total (eV-barns)

71-Lu-177

Cross Section -99.17 To 3902. %



63

Incident Energy (eV)

71-Lu-177

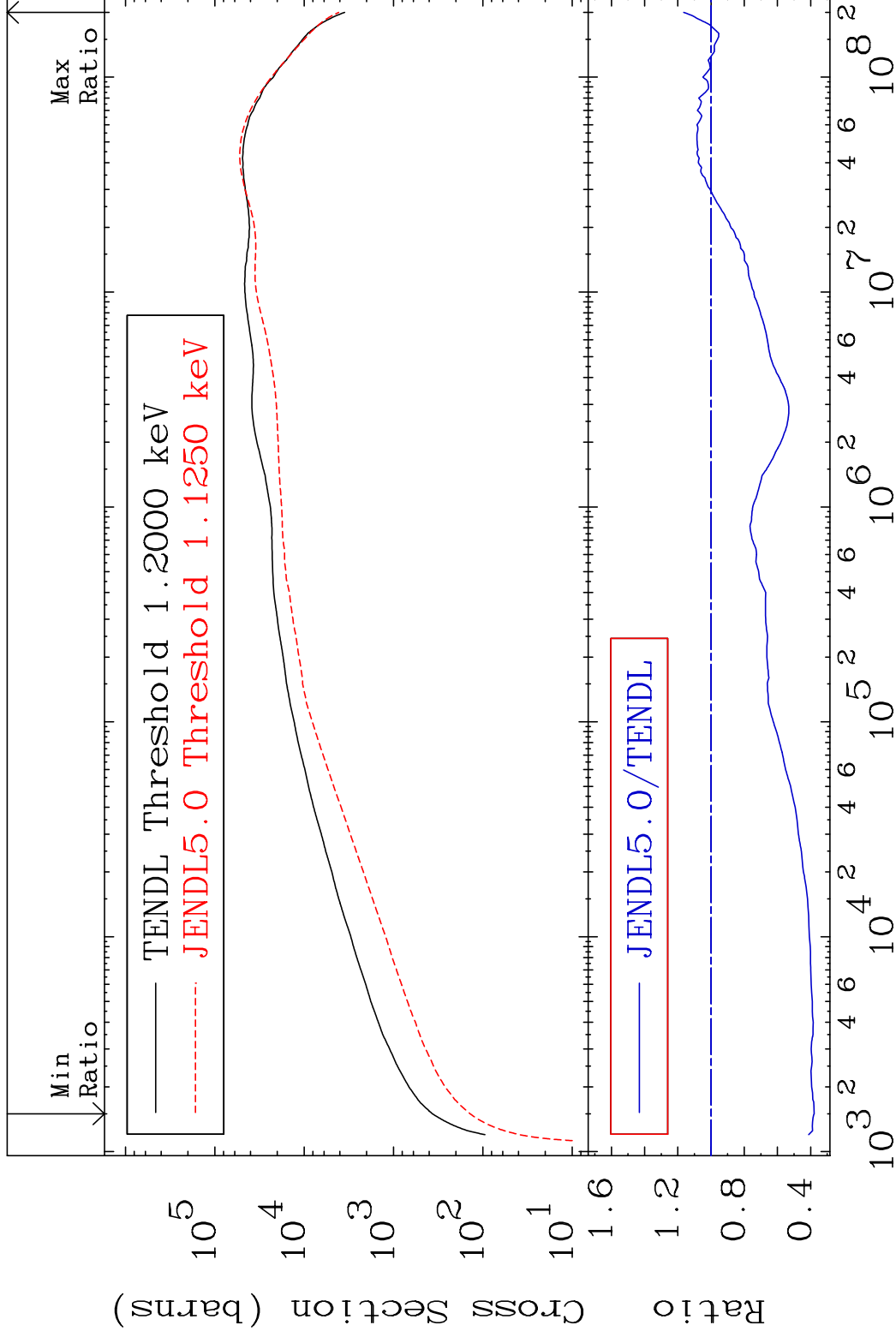


MAT 7131

Dpa elastic (mt2)

71-Lu-177

Cross Section -62.08 To 16.50 %

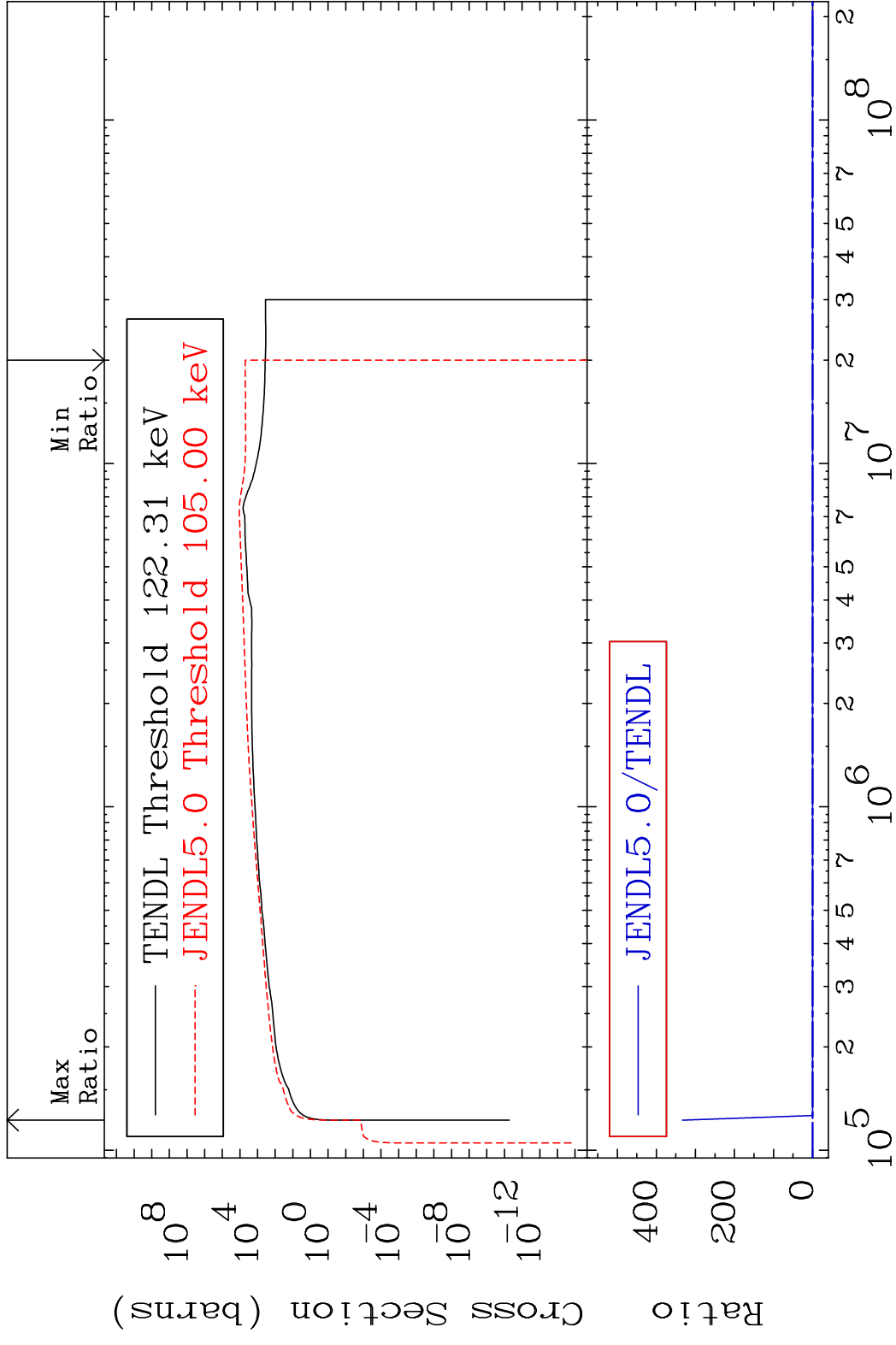


64

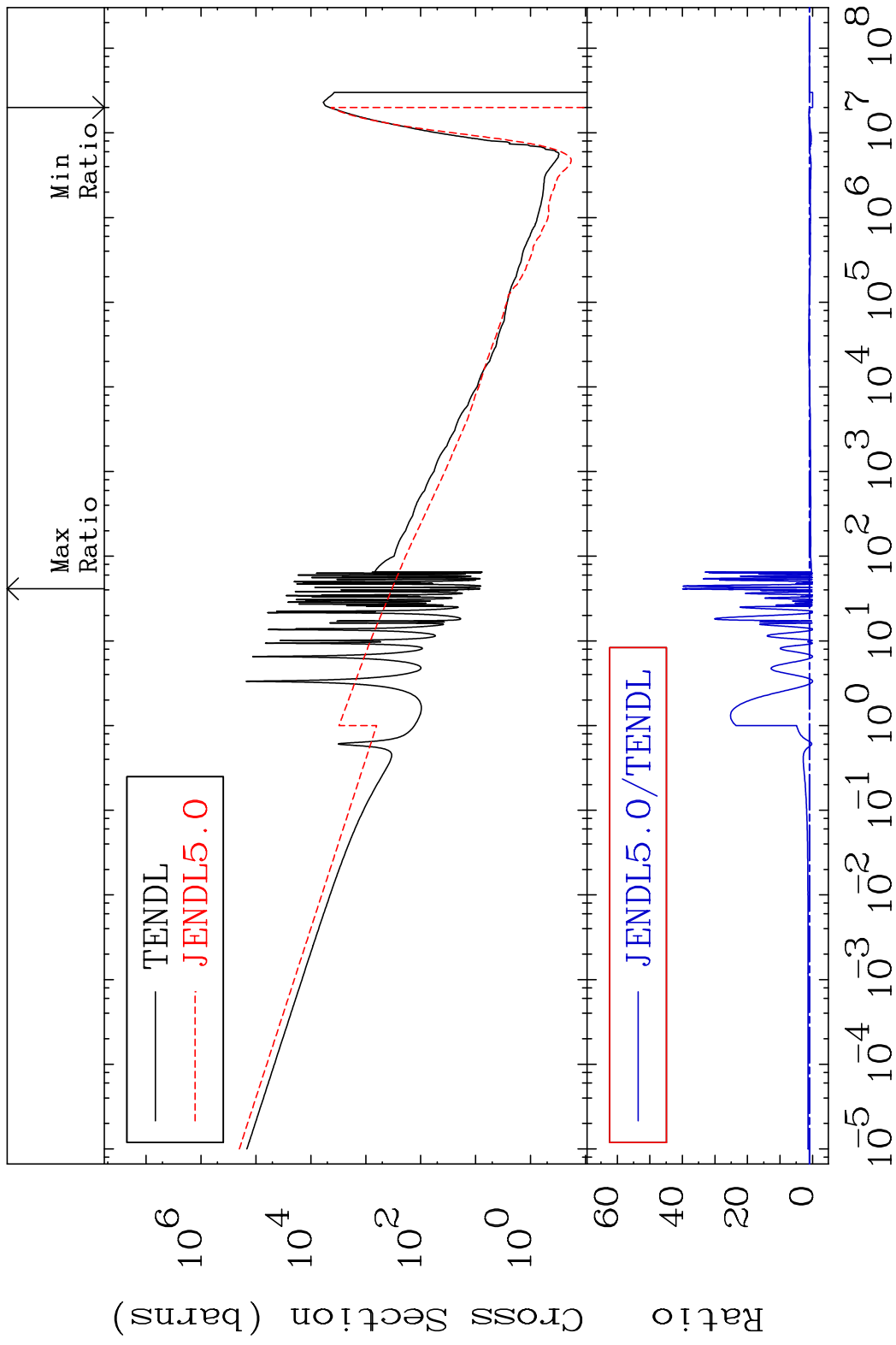
Incident Energy (eV)

71-Lu-177

MAT 7131 Dpa inelastic (mt51-91) 71-Lu-177  
 Cross Section -100.0 To 9999. %

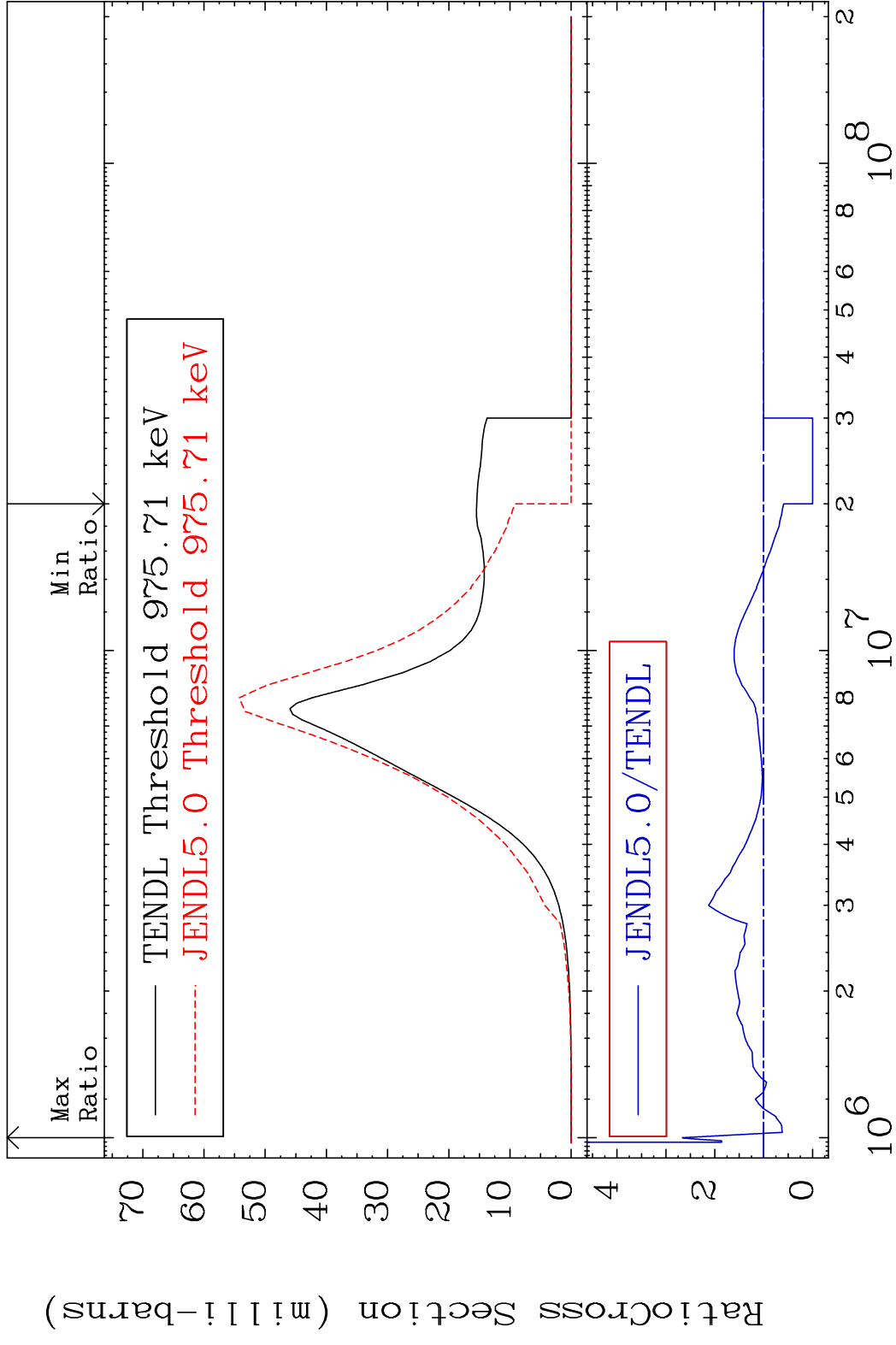


MAT 7131 Dpa disappearance (mt102 -120) 71-Lu-177  
 Cross Section -100.0 To 3902. %



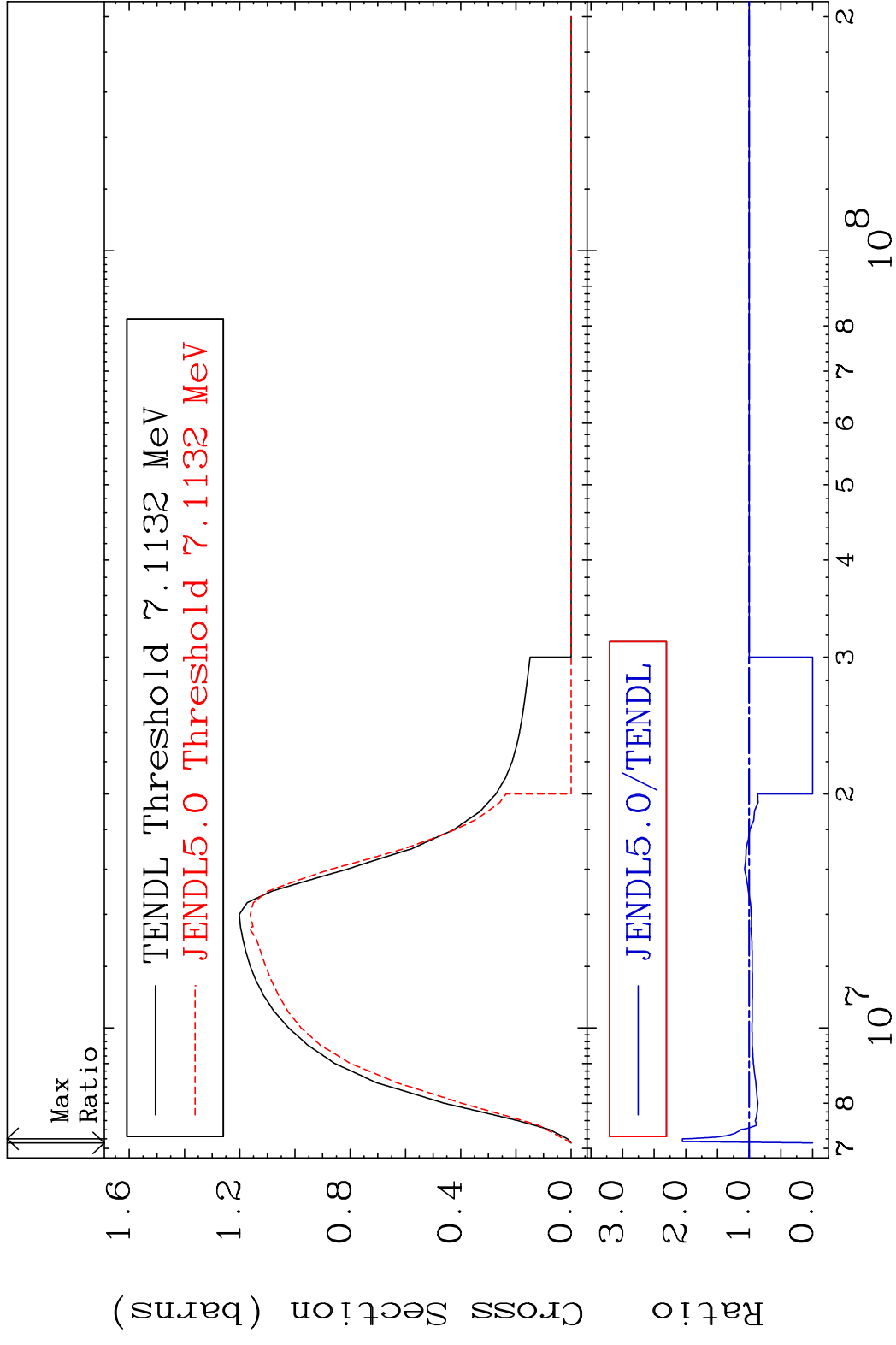
66 Incident Energy (eV) 71-Lu-177

MAT 7131 Inelastic:71-Lu-177m29 71-Lu-177  
 Radionuclide Production Cross Section 186.0 dth 166.4 %

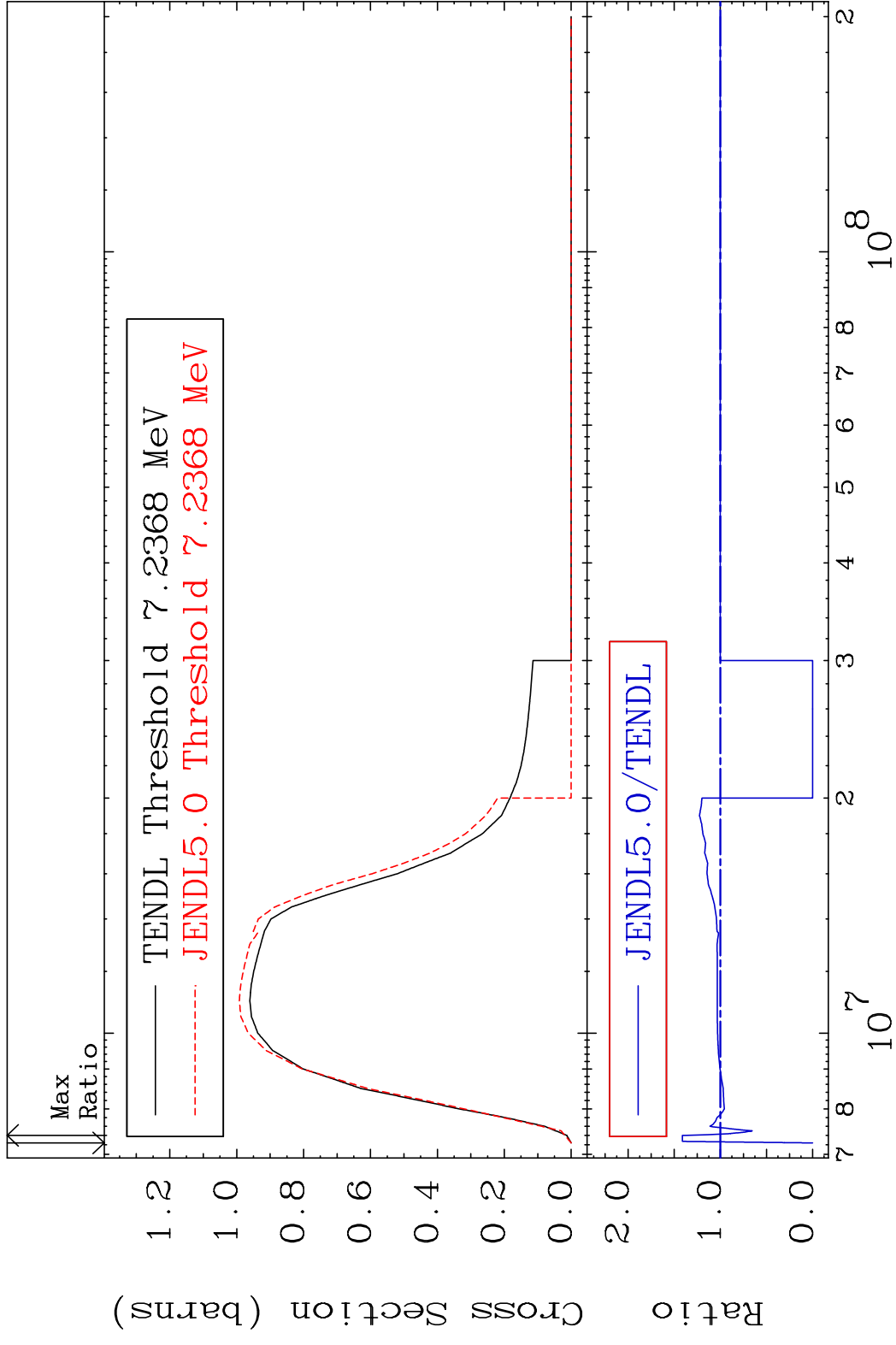


67 Incident Energy (eV) 71-Lu-177

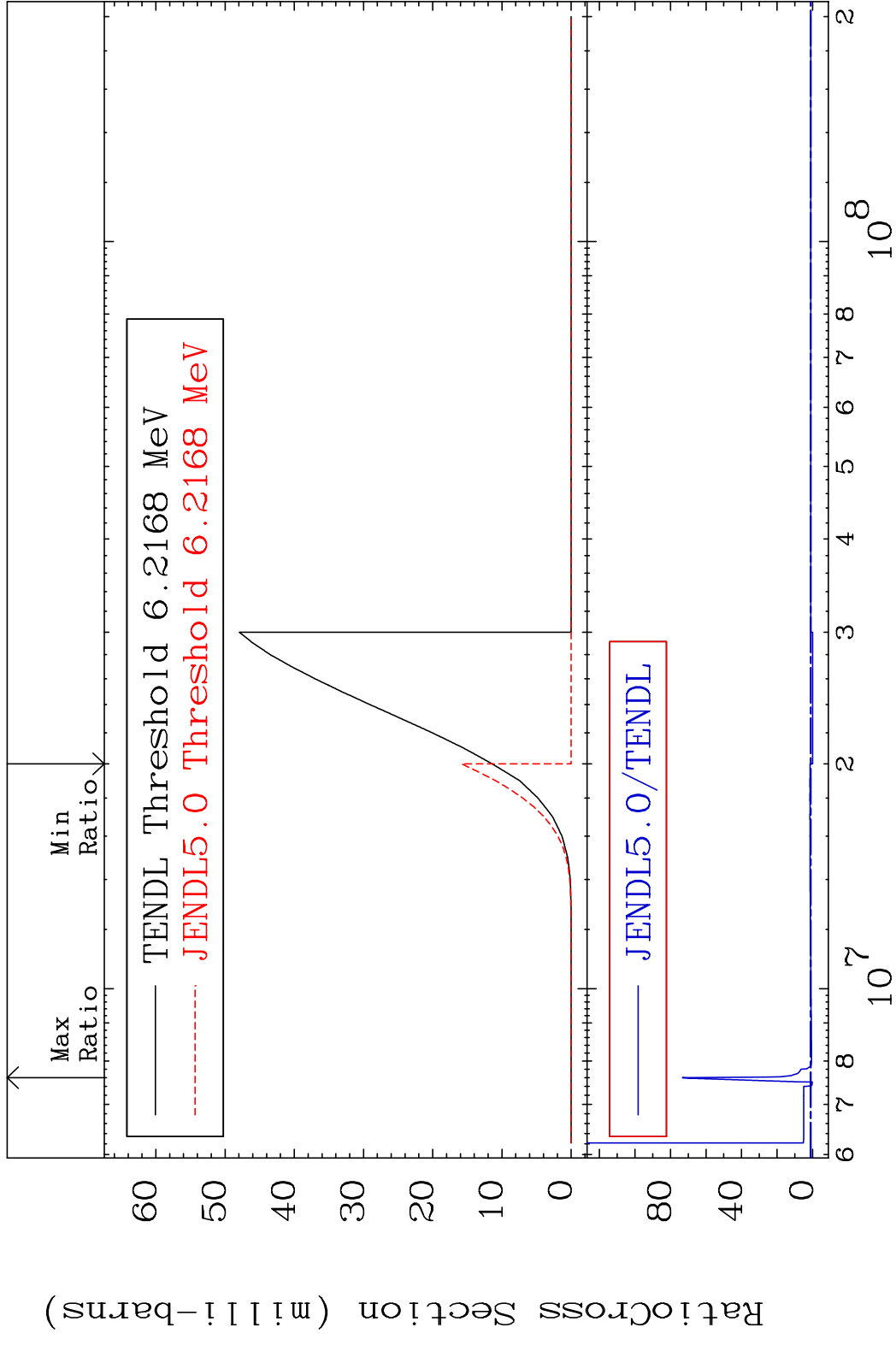
MAT 7131 (n,2n):71-Lu-176g 71-Lu-177  
 Radionuclide Production Cross Section Ratio 100.0 to 105.6 %



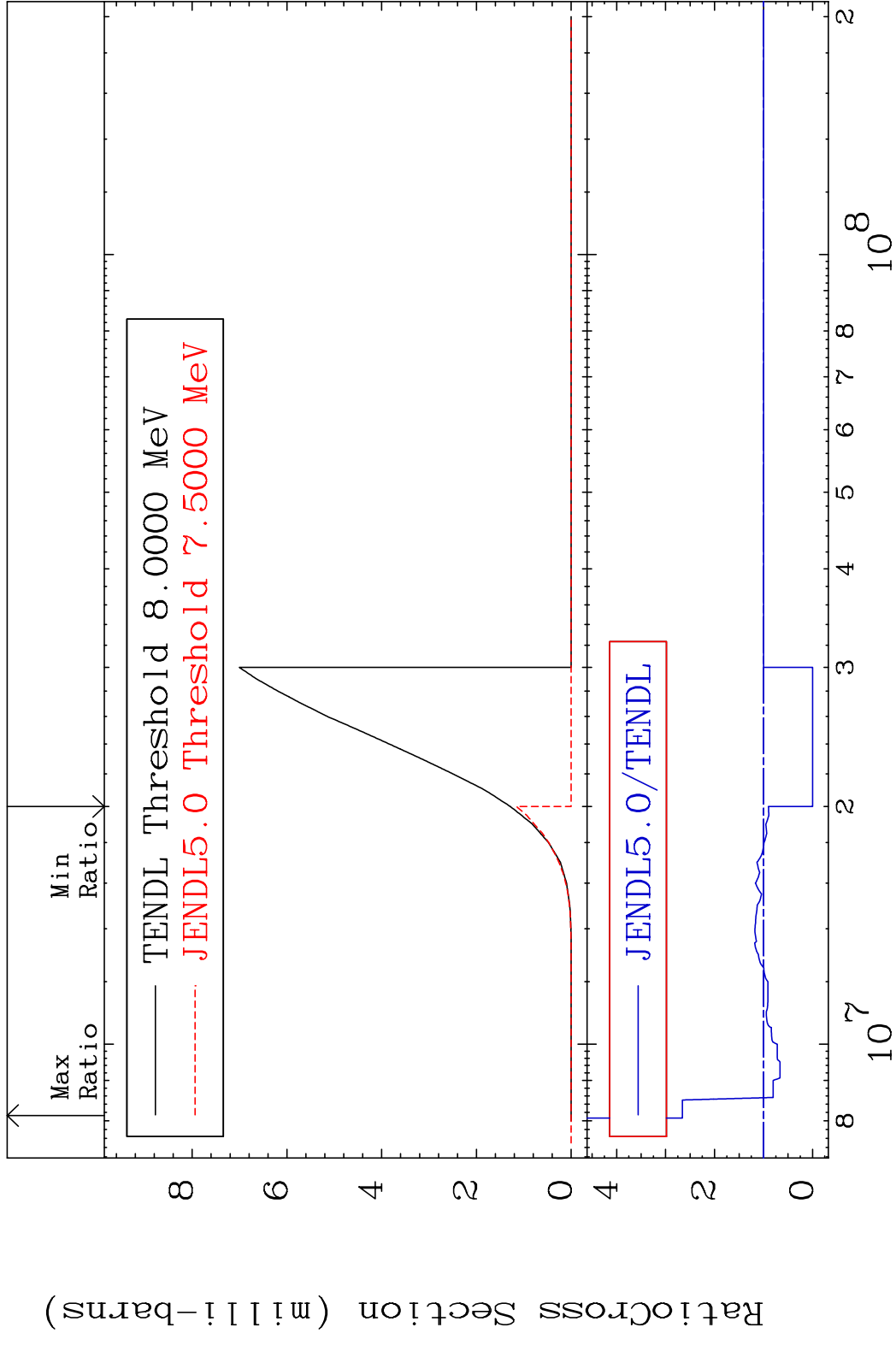
MAT 7131 (n,2n):71-Lu-176m1 71-Lu-177  
 Radionuclide Production Cross Section Ratio 41.22 %



MAT 7131 (n, n') p:70-Yb-176g 71-Lu-177  
 Radionuclide Production Cross Section Ratio 7233. %

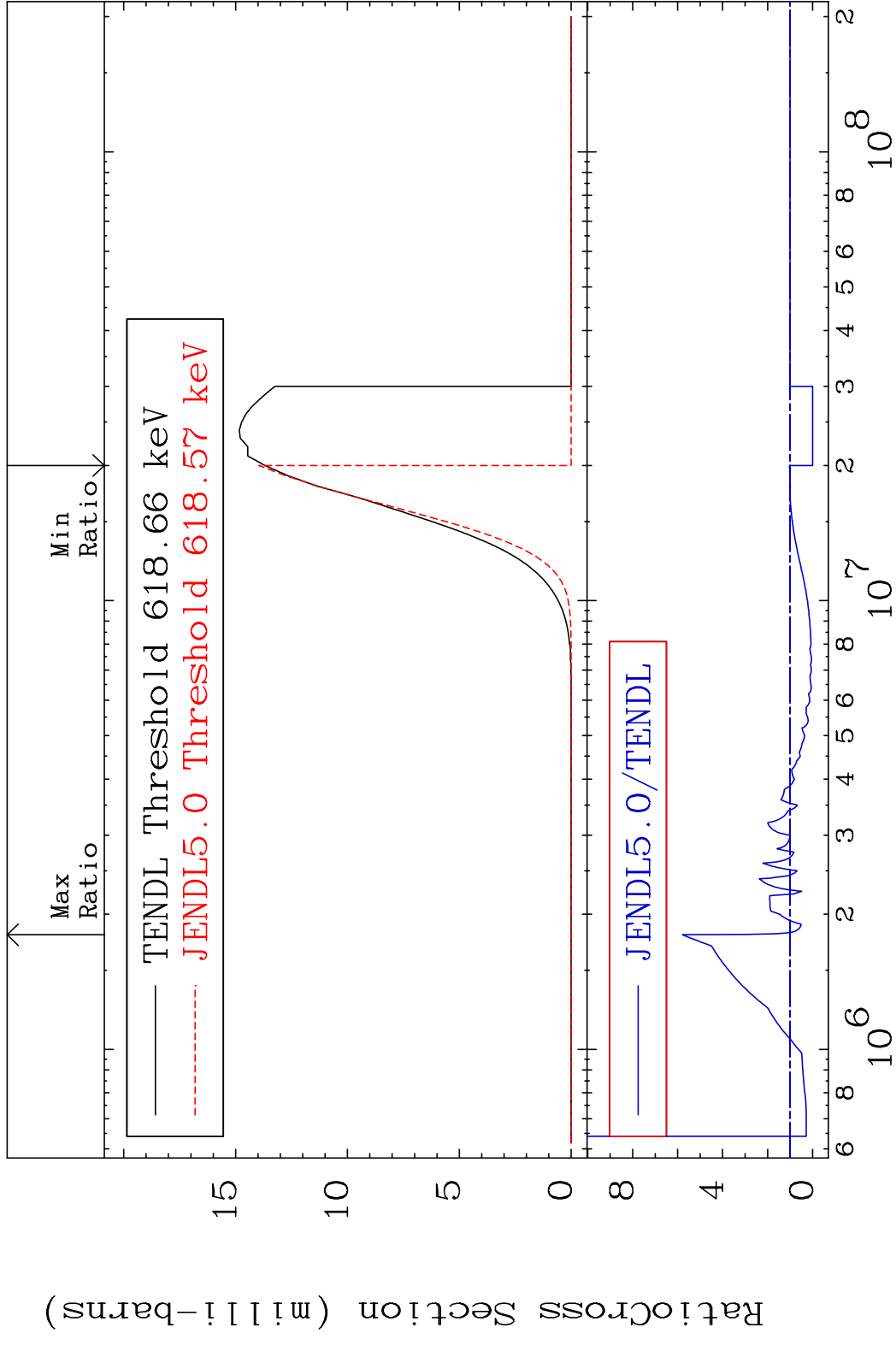


70 Incident Energy (eV) 71-Lu-177

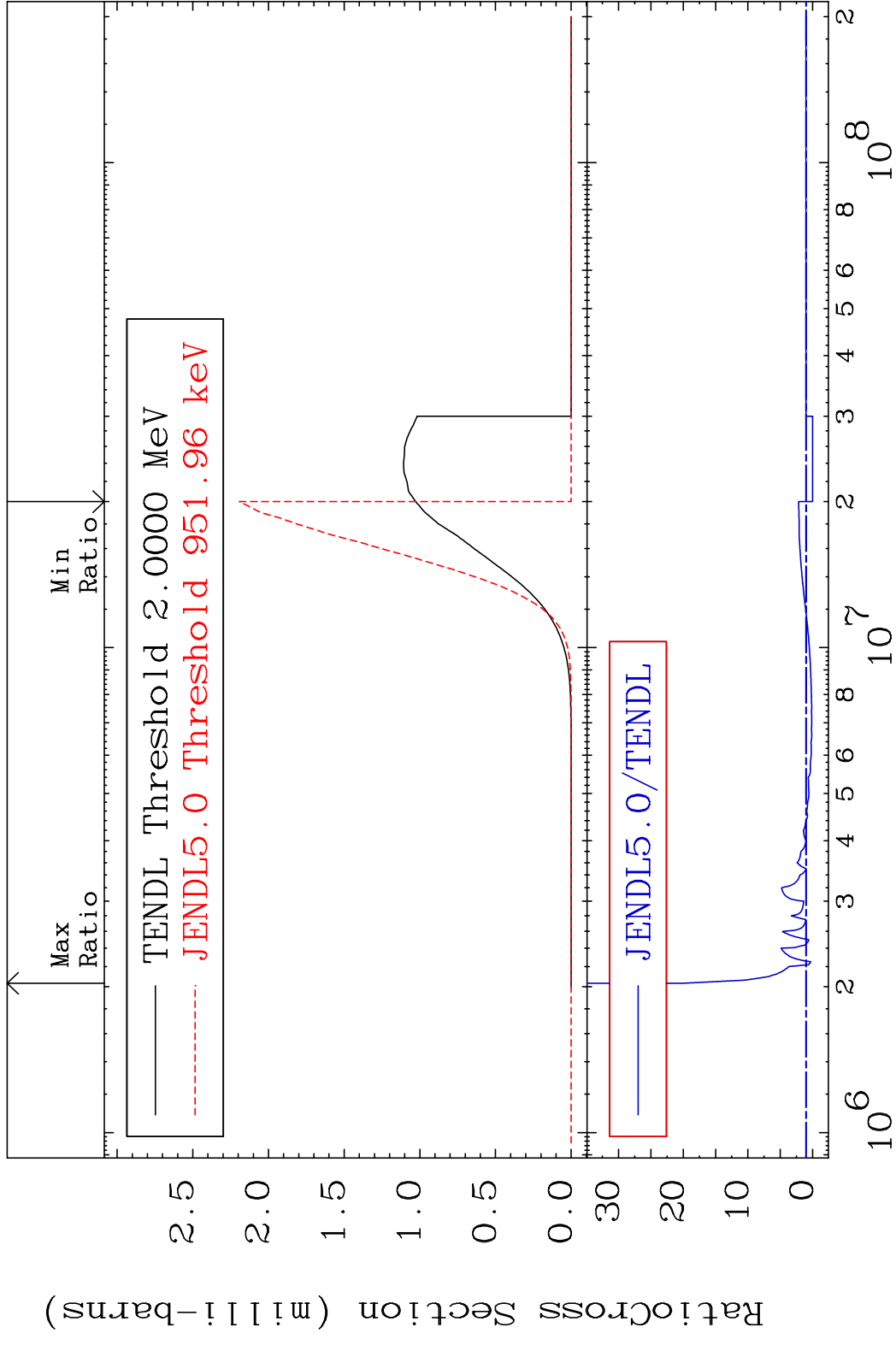




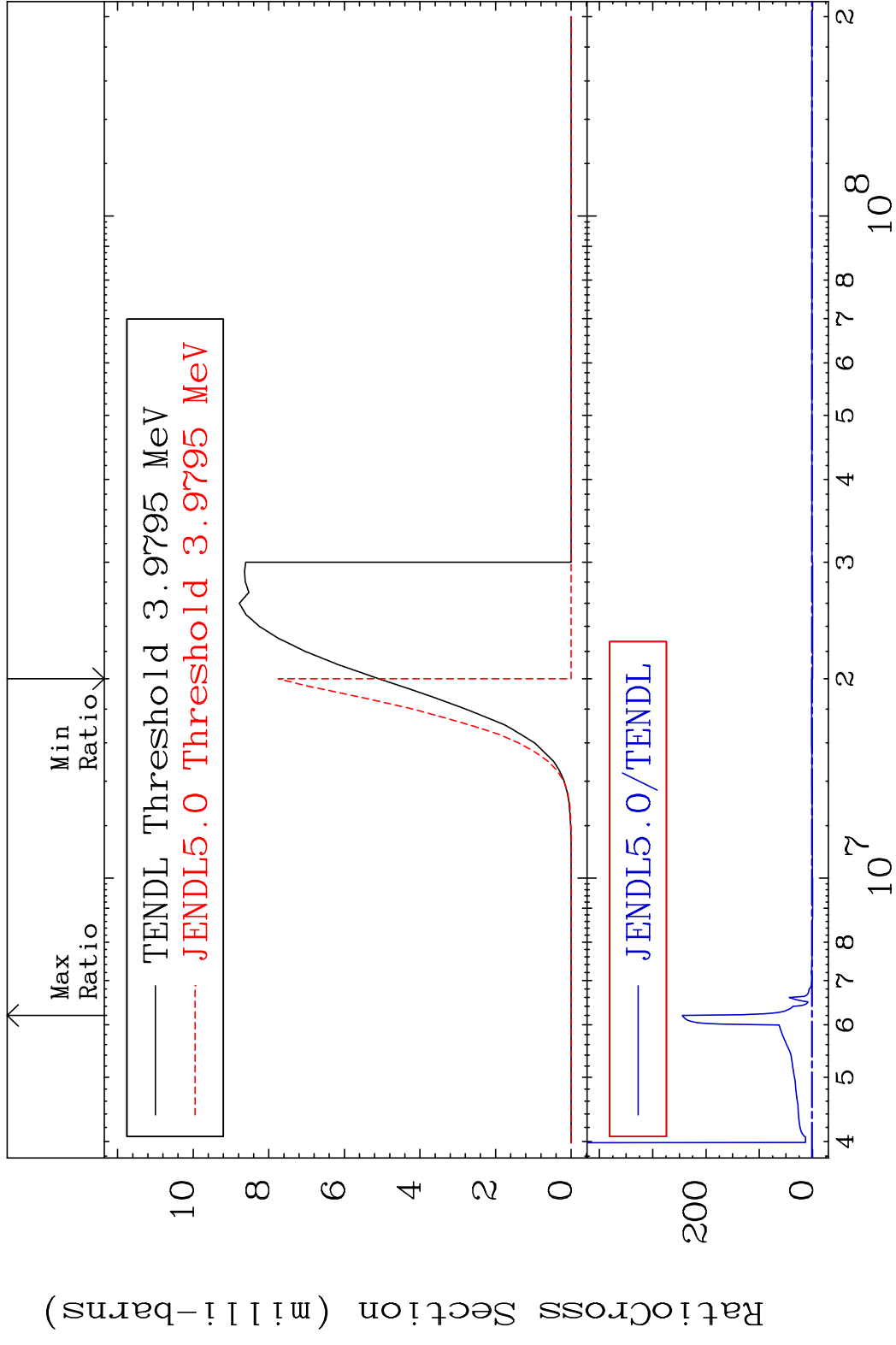
MAT 7131 (n,p):70-Yb-177g 71-Lu-177  
 Radionuclide Production Cross Section 180.0 dth 479.0 %

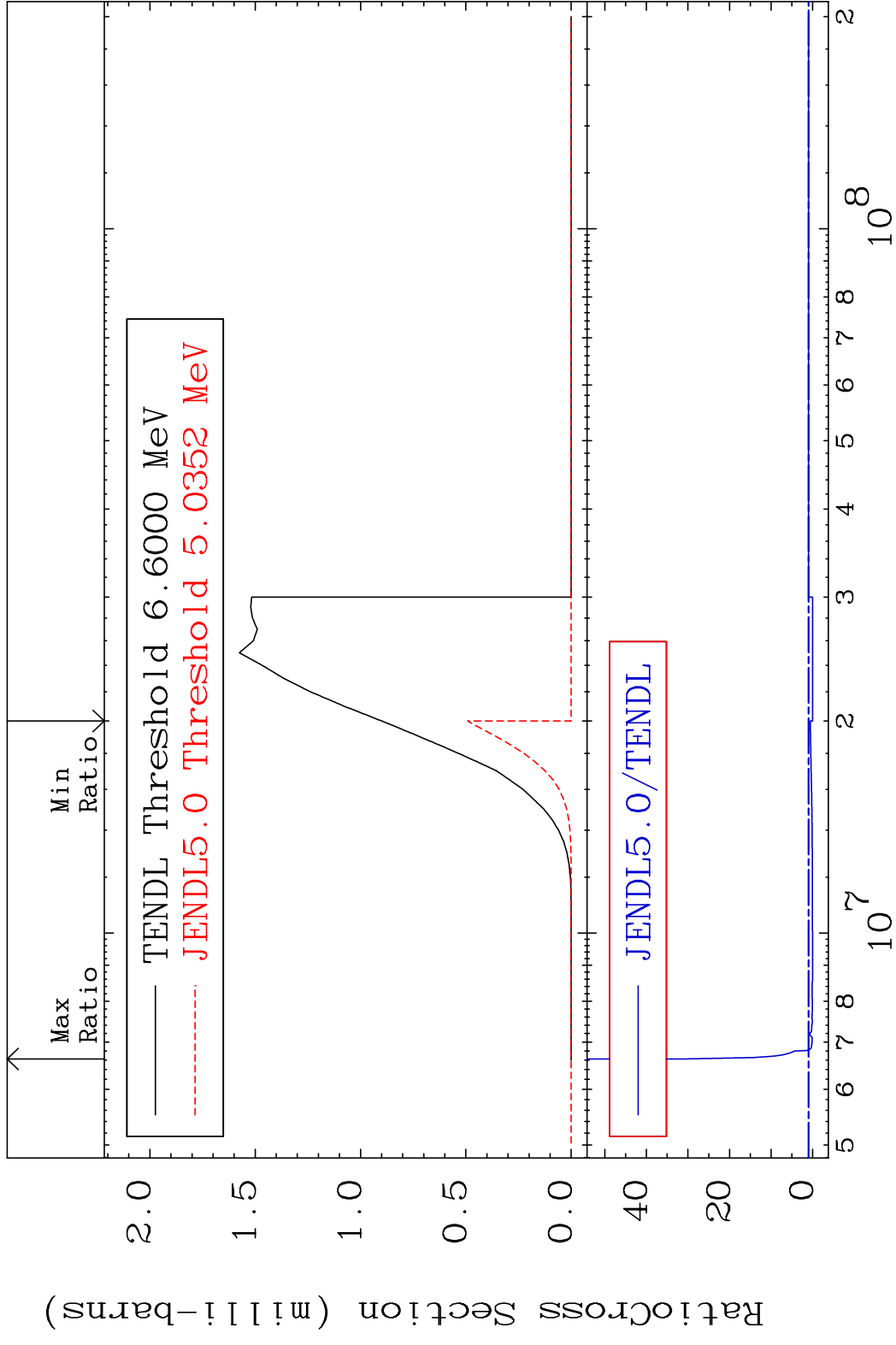


MAT 7131 (n, p): 70-Yb-177m6 71-Lu-177  
 Radionuclide Production Cross Section 1914. %

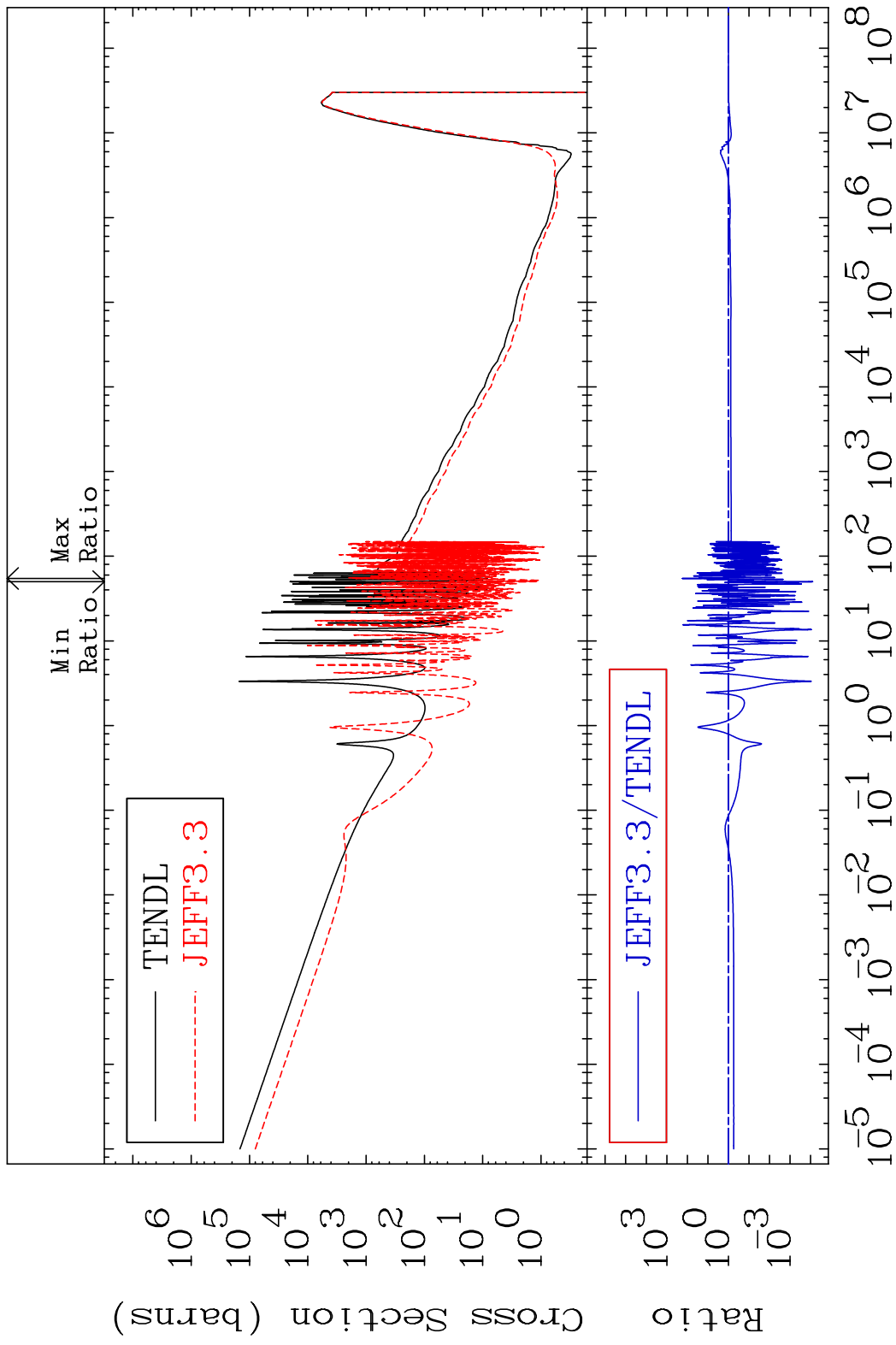


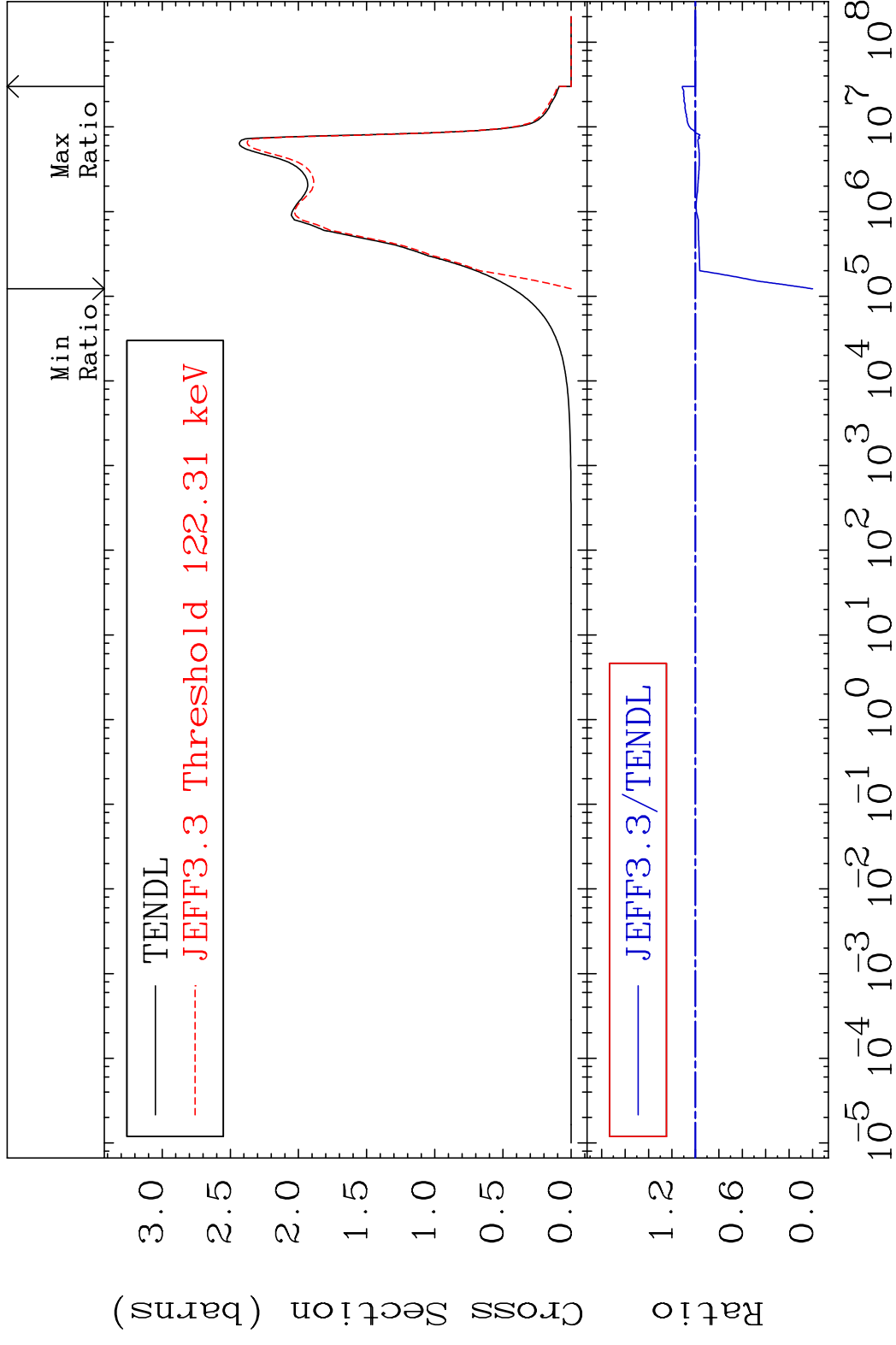
73 Incident Energy (eV) 71-Lu-177

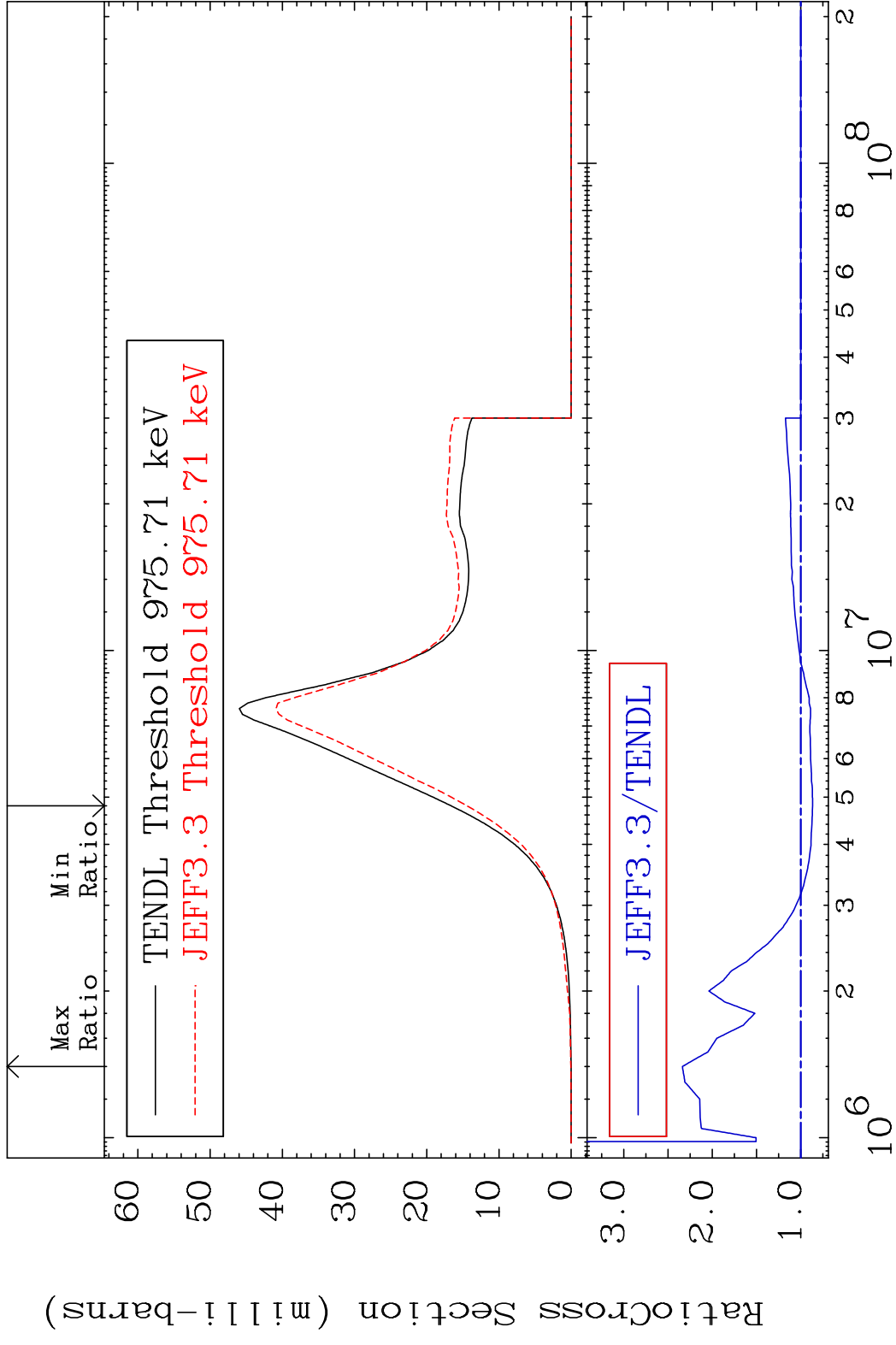




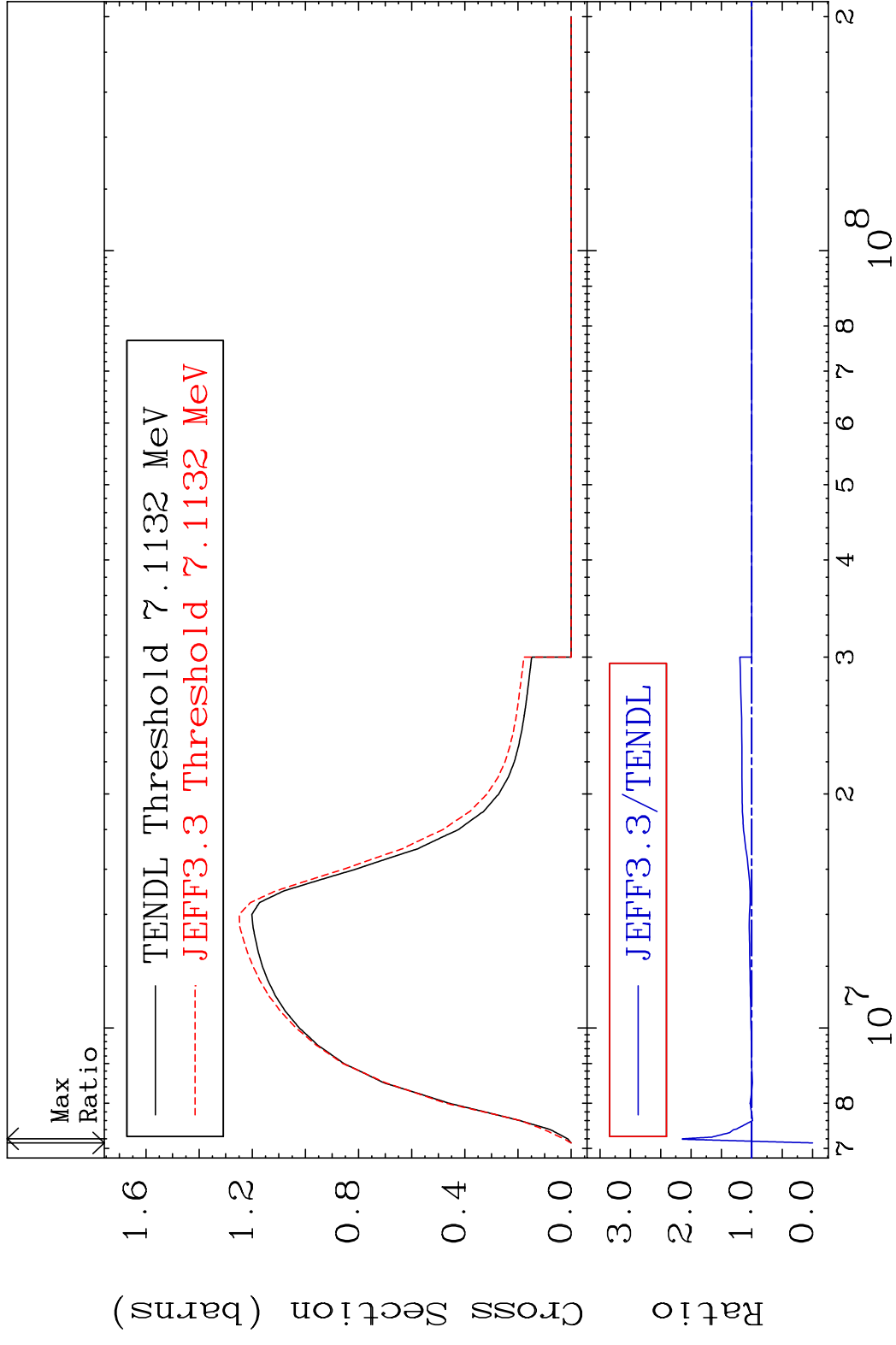
MAT 7131 Dpa disappearance (mt102 -120) 71-Lu-177  
 Cross Section -99.99 To 9999. %





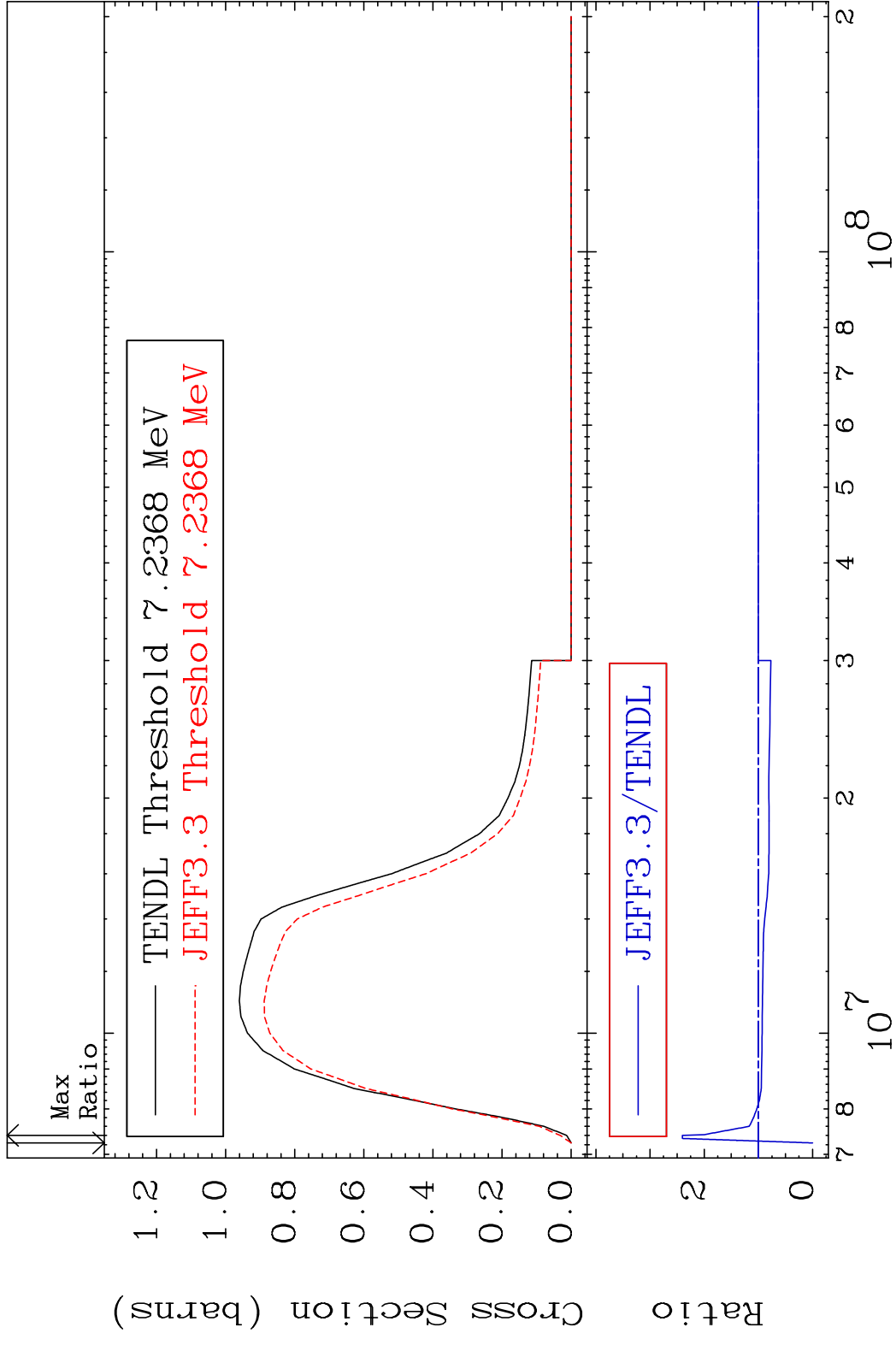


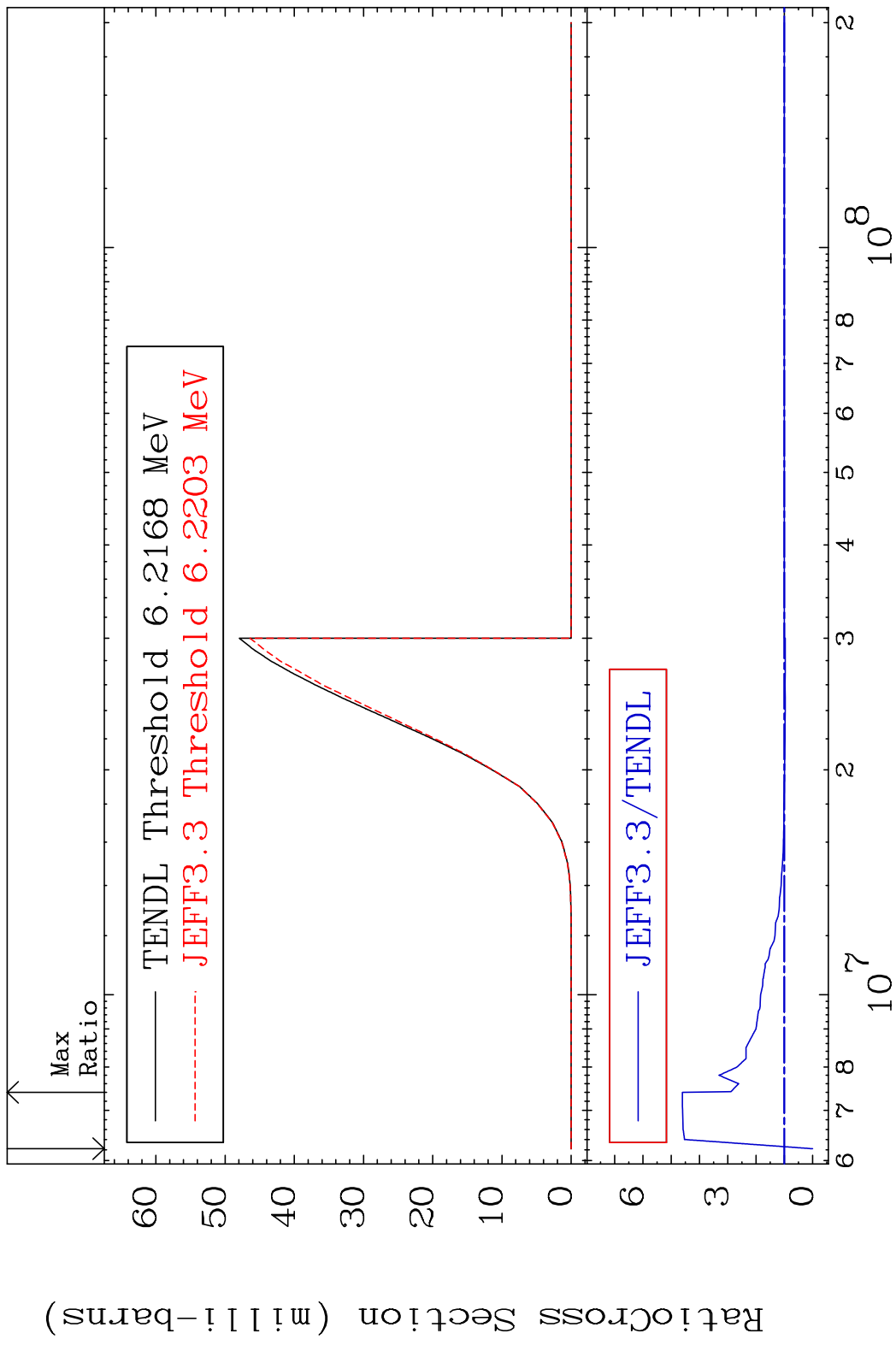
MAT 7131 (n,2n):71-Lu-176g 71-Lu-177  
 Radionuclide Production Cross Section 180.0 dth 114.3 %

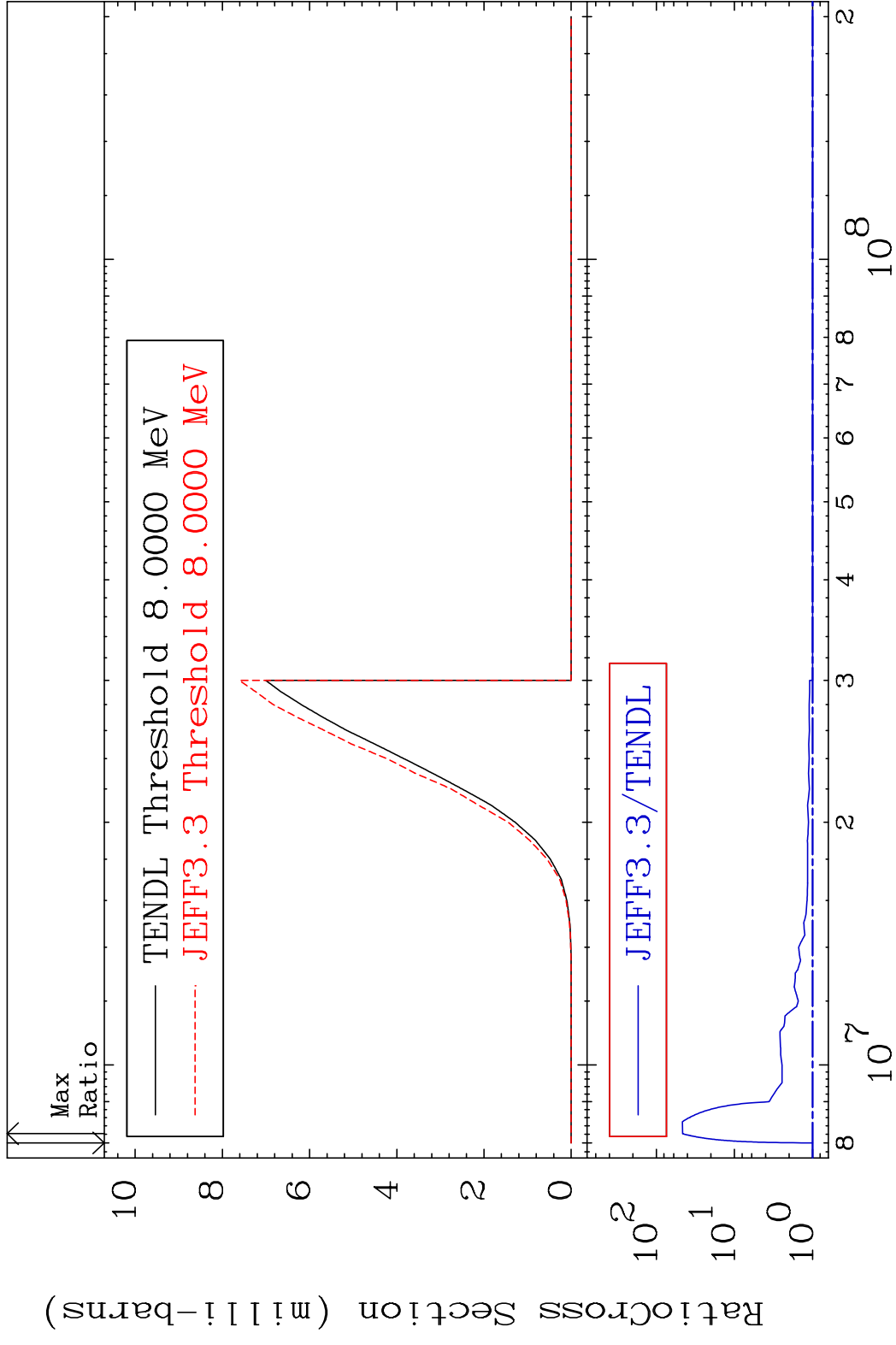




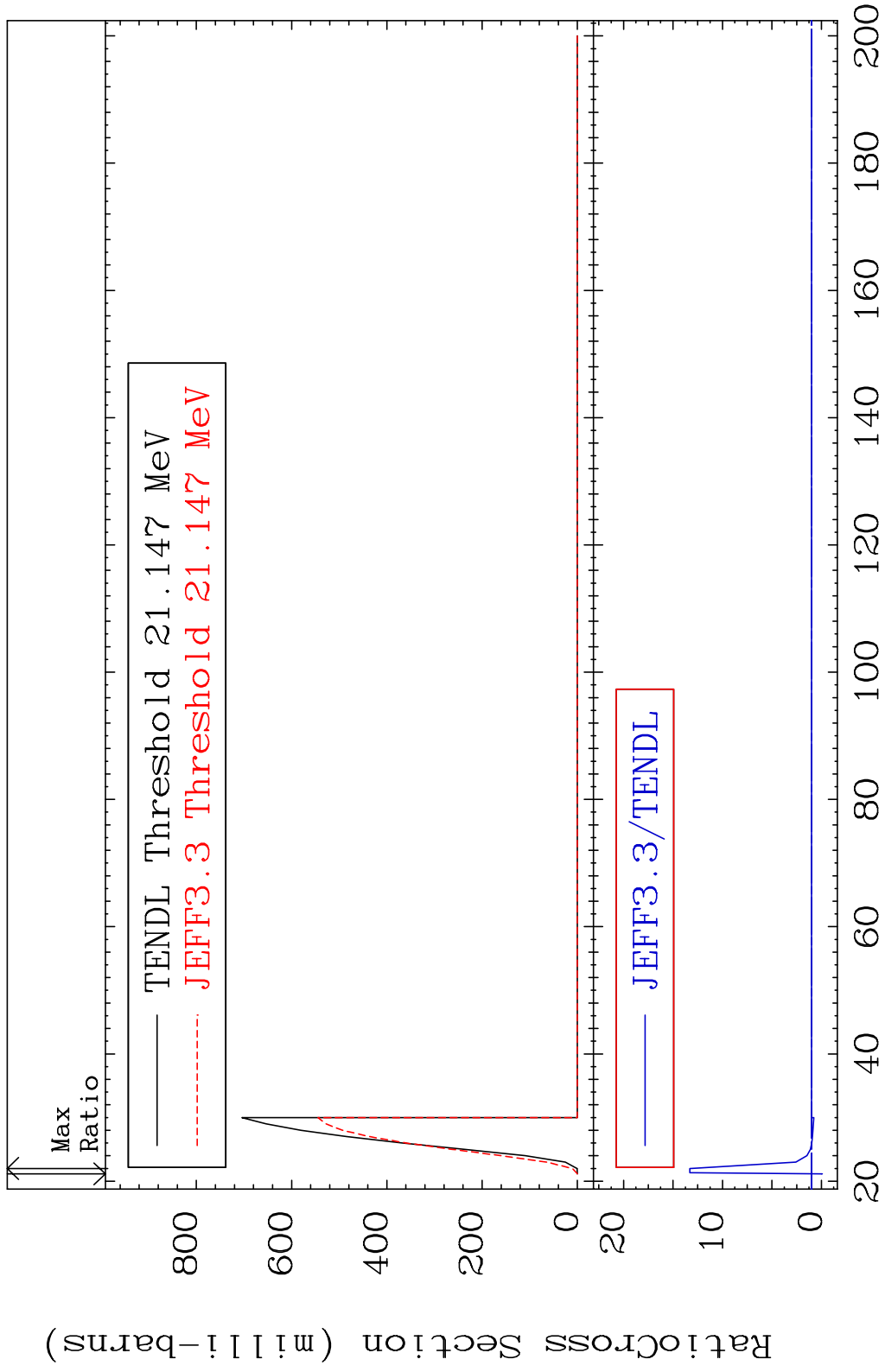
MAT 7131 (n,2n):71-Lu-176m1 71-Lu-177  
 Radionuclide Production Cross Section 140.3 %



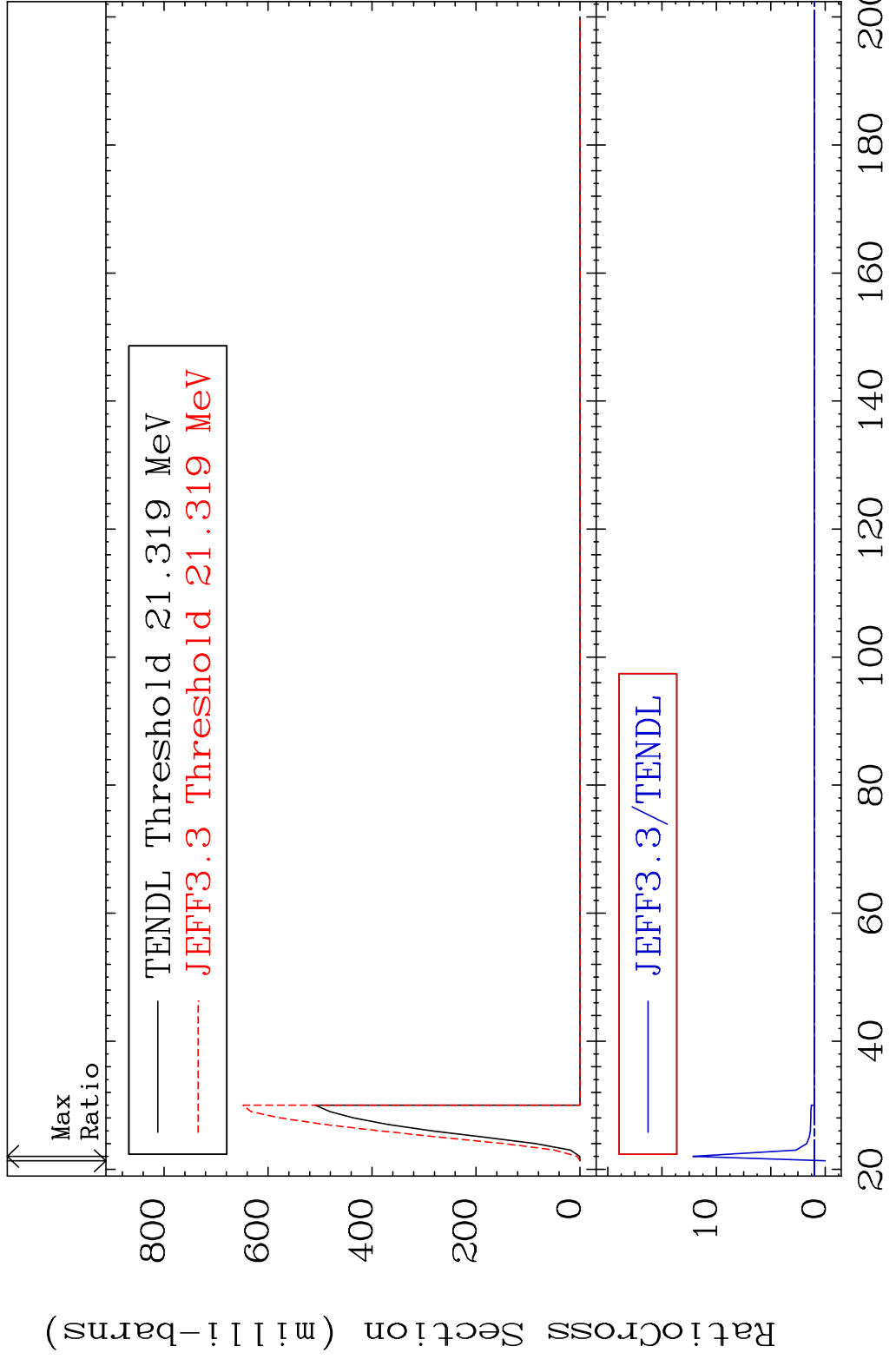




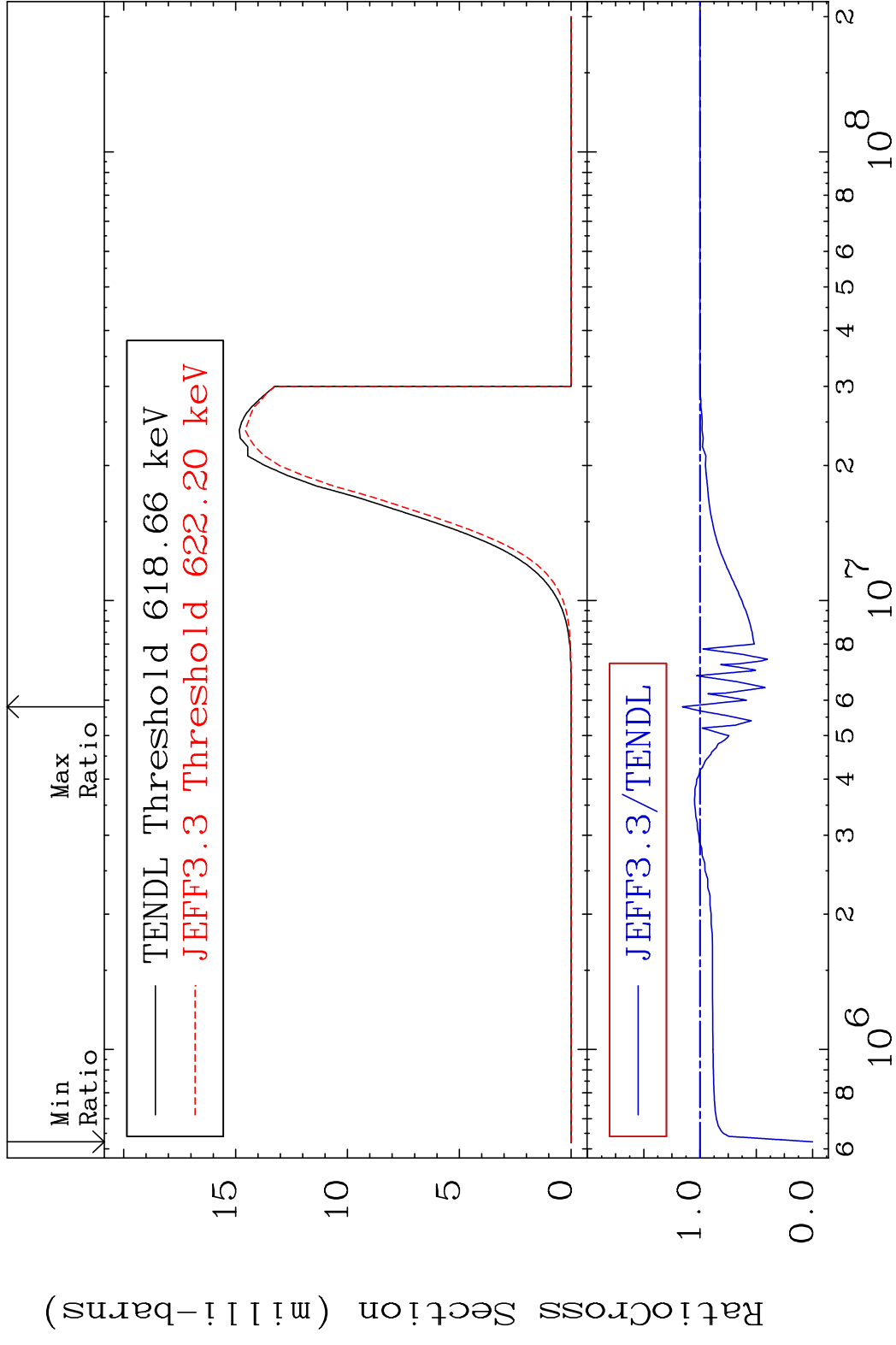
MAT 7131 (n,4n):71-Lu-174g 71-Lu-177  
 Radionuclide Production Cross Section 180.01 dth 1231. %

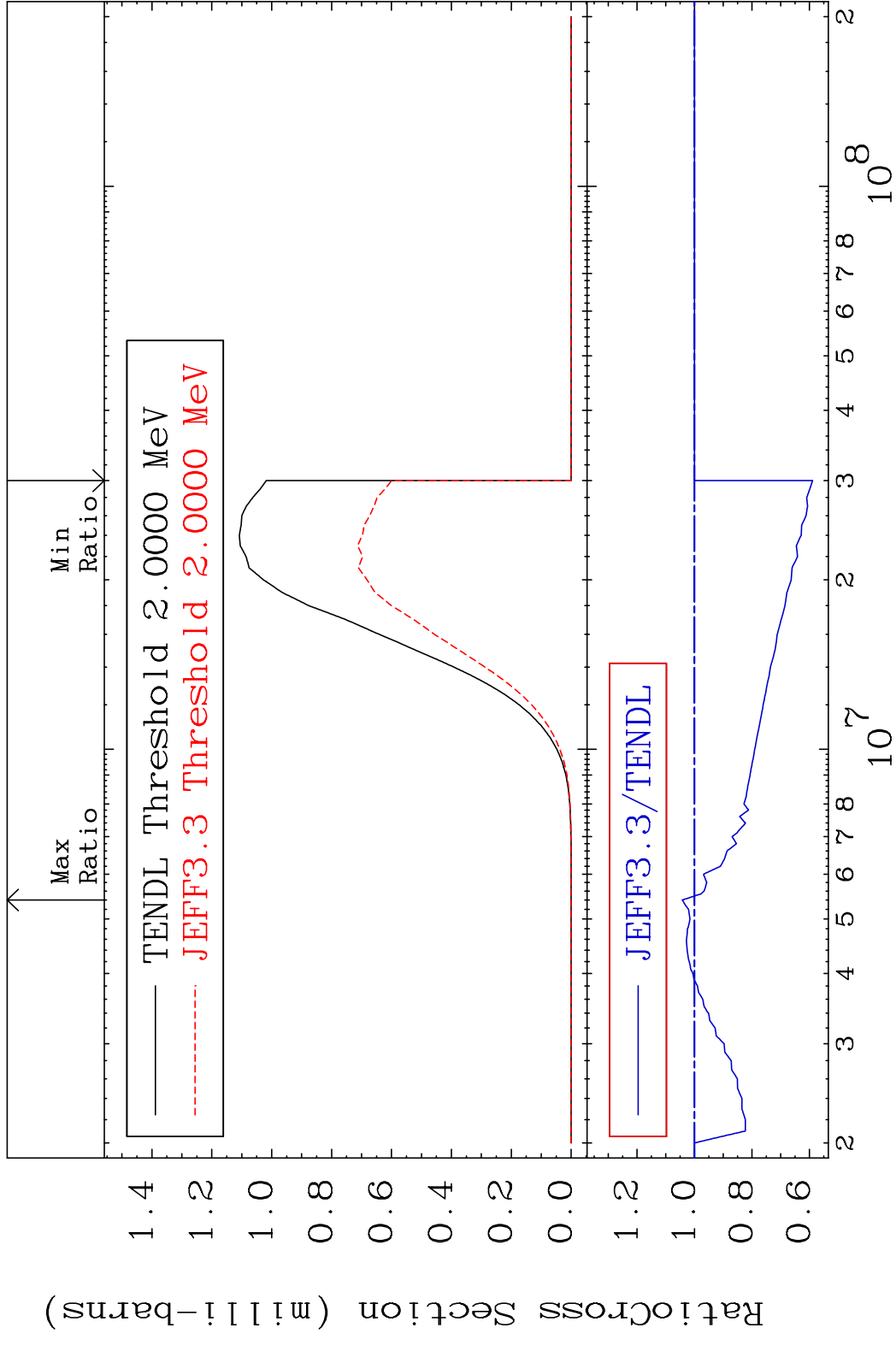


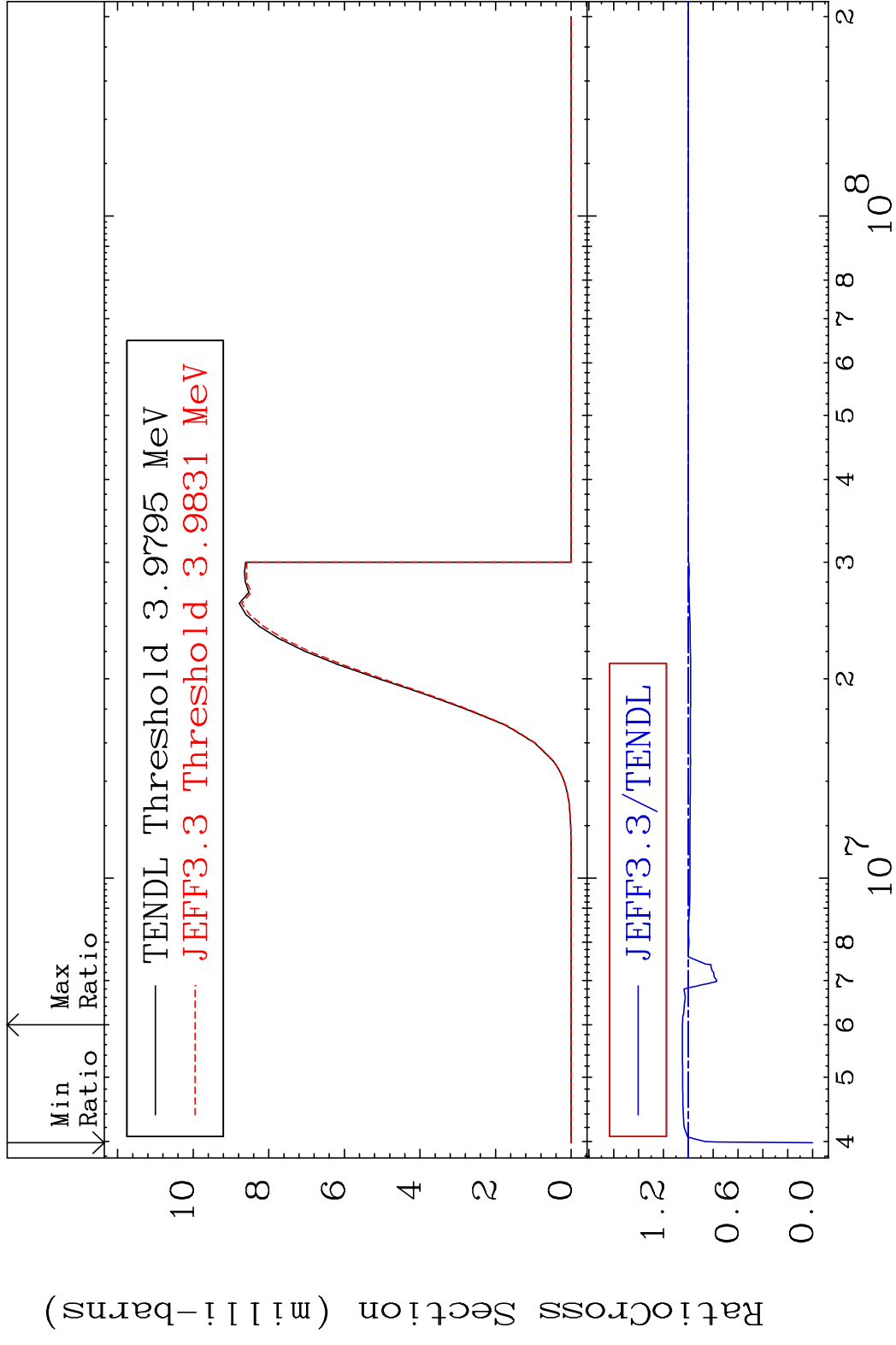
MAT 7131 (n, 4n): 71-Lu-174m3 71-Lu-177  
 Radionuclide Production Cross Section 1800 dpo 1116. %



MAT 7131 (n,p):70-Yb-177g 71-Lu-177  
 Radionuclide Production Cross Section 15.70 %









MAT 7131 (n, d): 70-Yb-176m5 71-Lu-177  
 Radionuclide Production Cross Section 1800 d to 0.000 %

