

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start



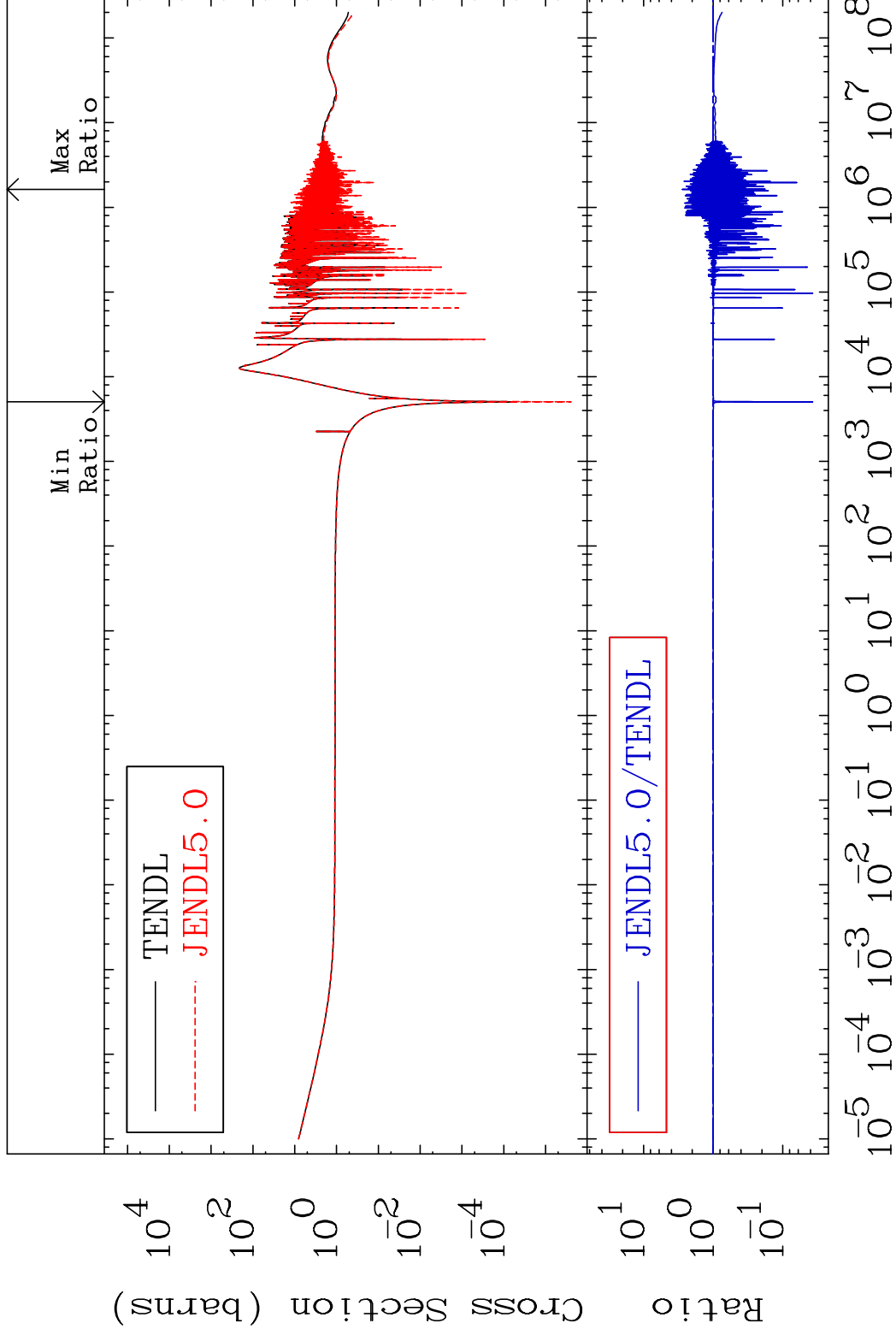
MAT 2831

Elastic

28-Ni-60

Cross Section

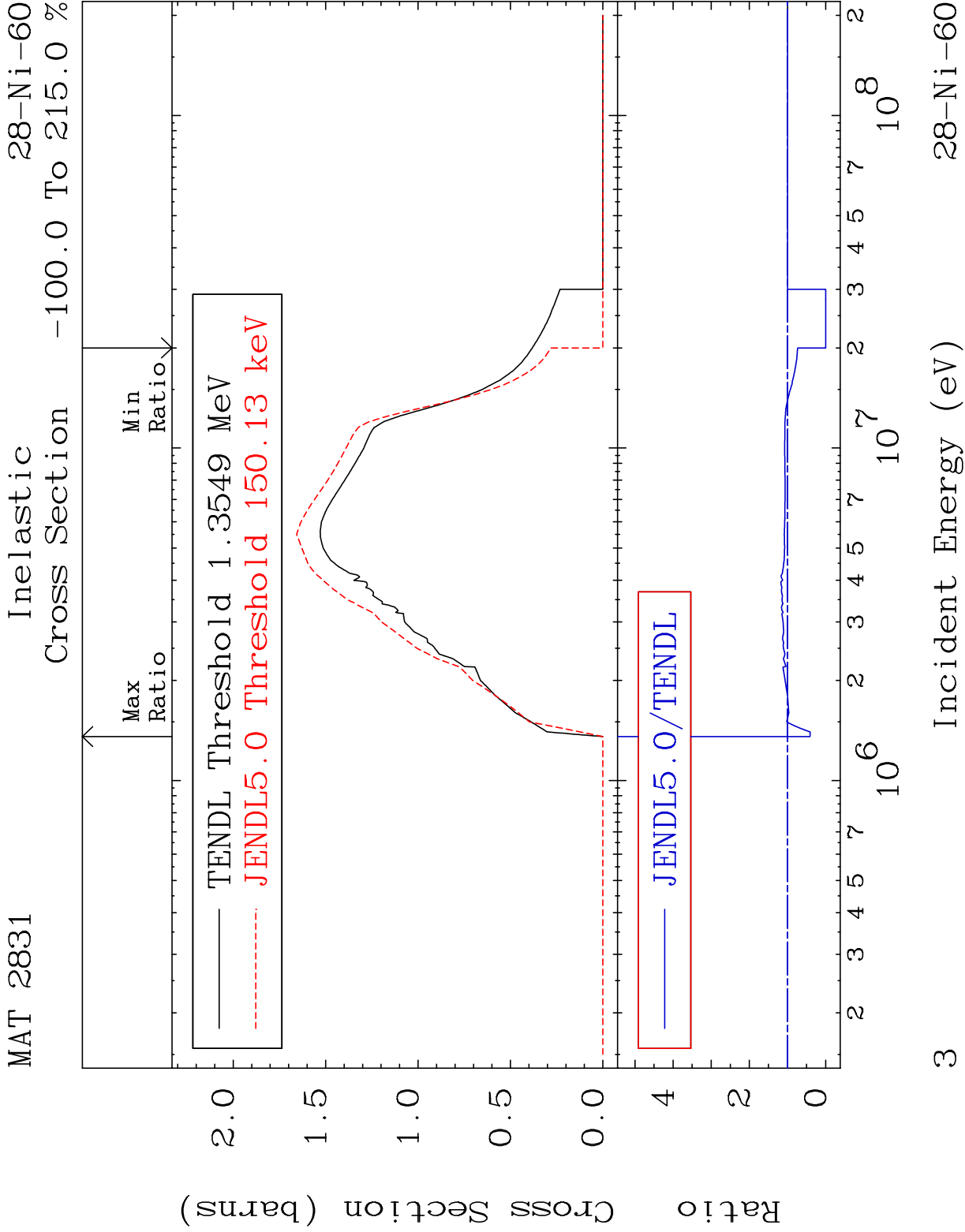
-96.26 To 178.0 %



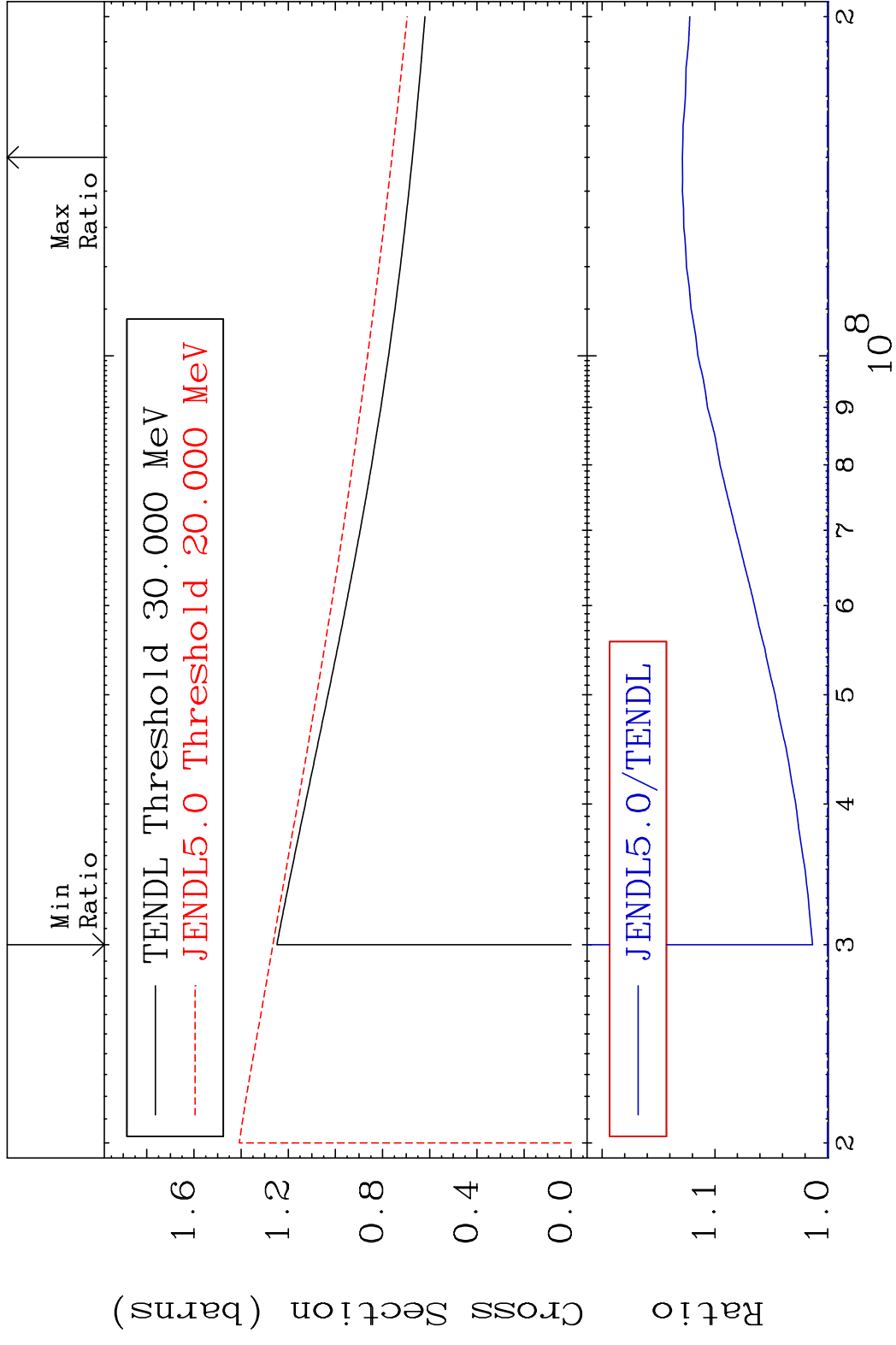
2

Incident Energy (eV)

28-Ni-60

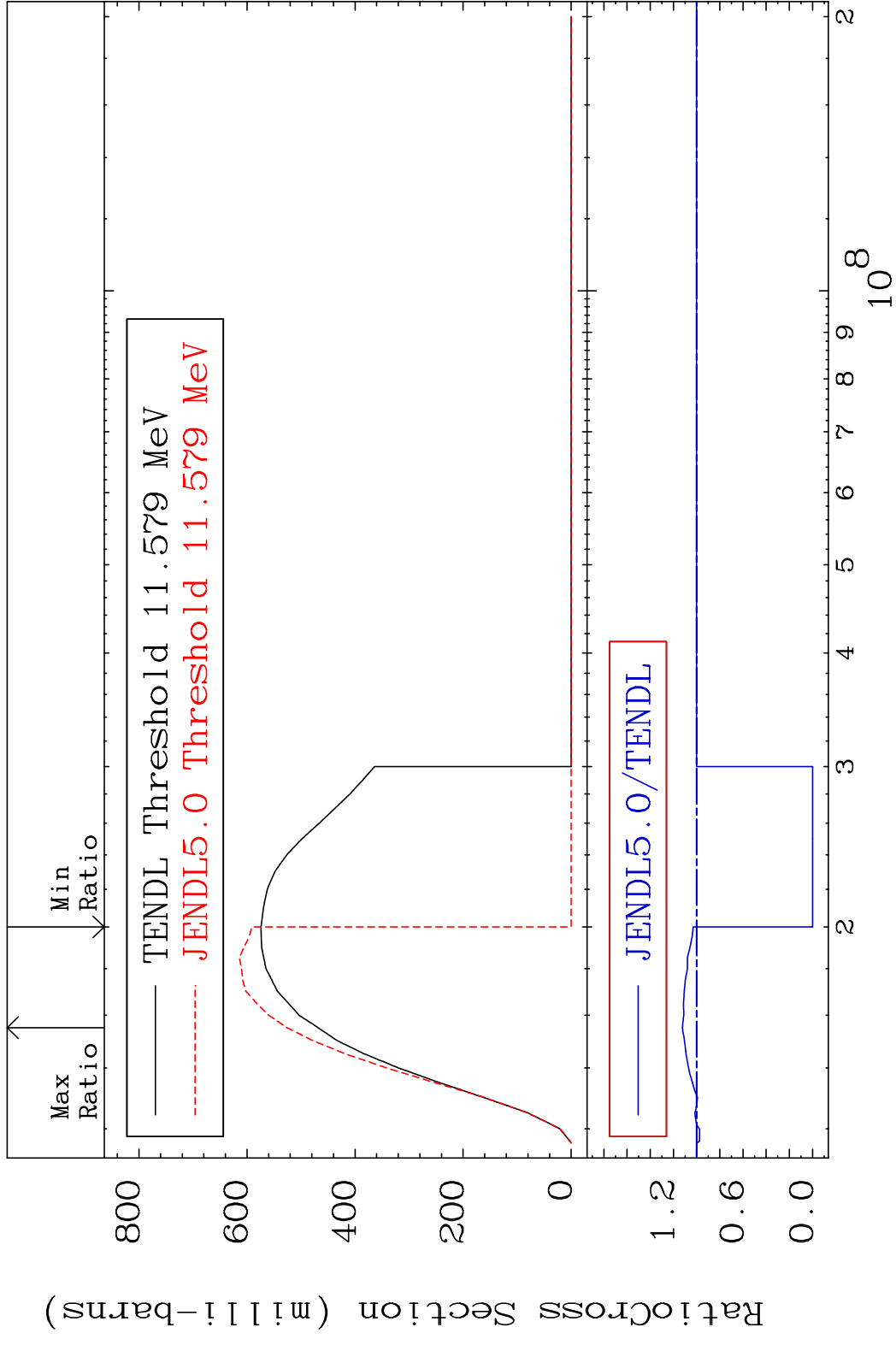


MAT 2831 (n, remainder) 28-Ni-60  
 Cross Section 1.334 To 12.89 %

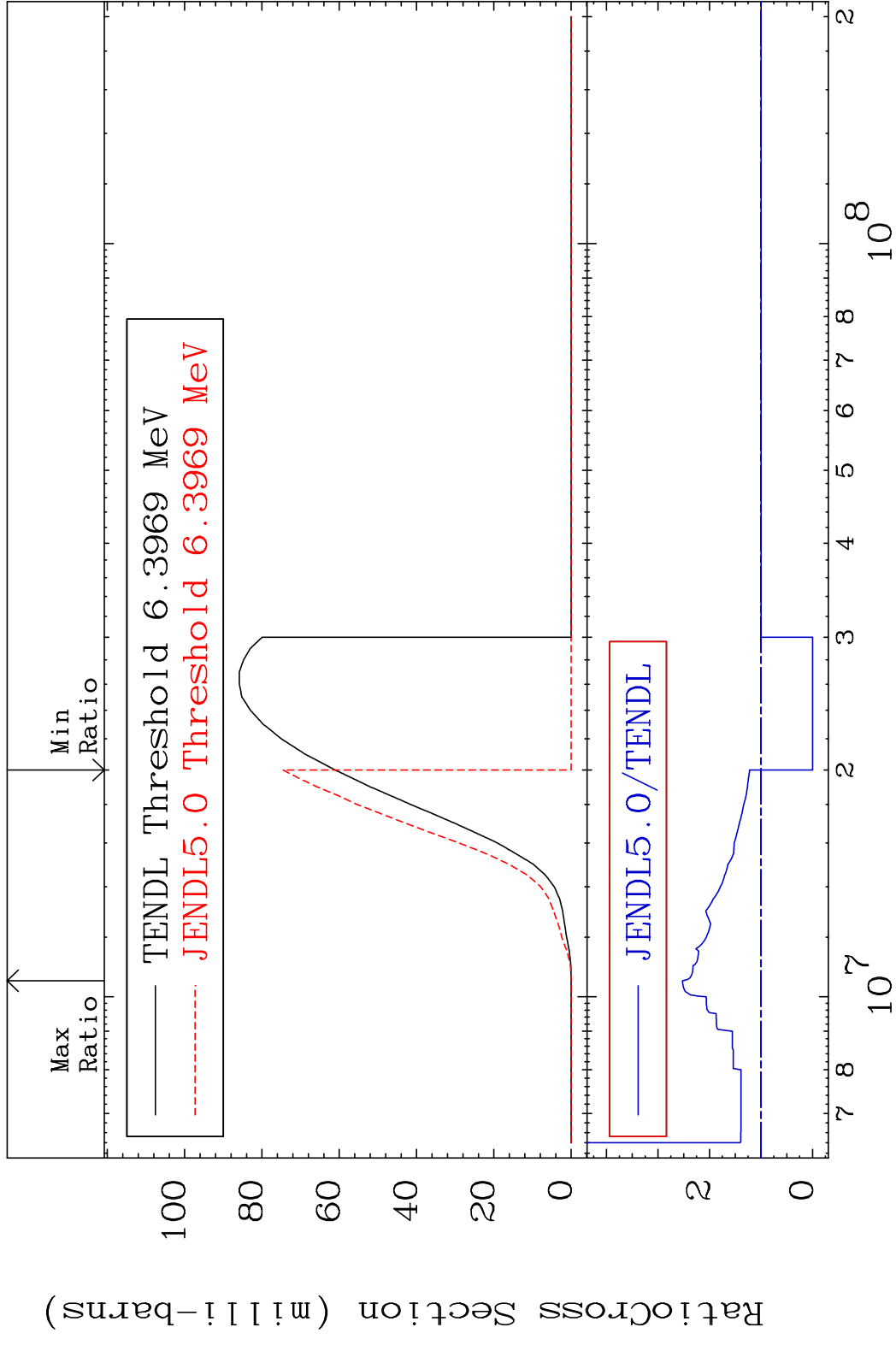


4 Incident Energy (eV) 28-Ni-60

MAT 2831 (n,2n) 28-Ni-60  
 Cross Section -100.0 To 12.32 %

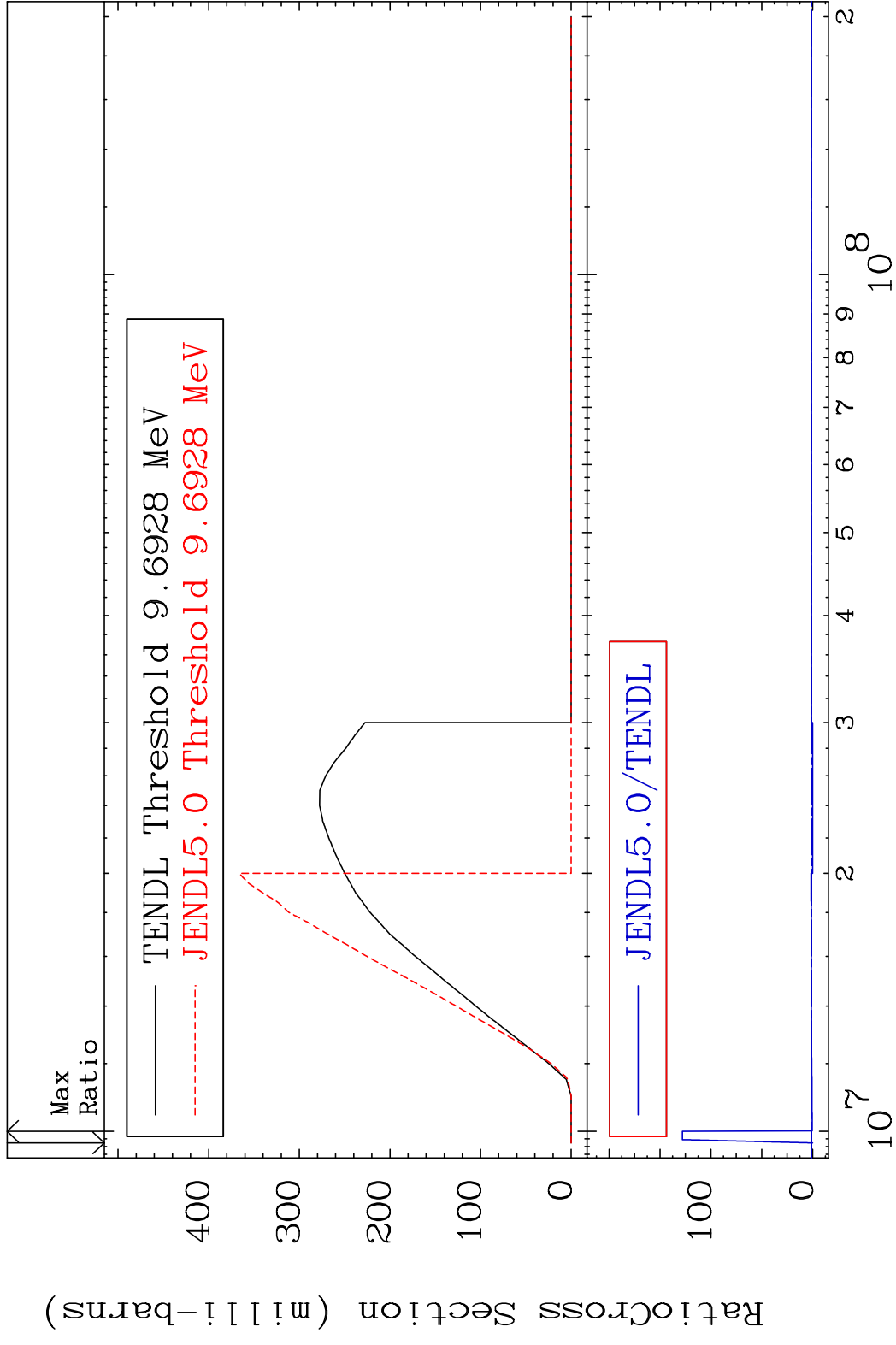


MAT 2831 (n, n')  $\alpha$  28-Ni-60  
 Cross Section -100.0 To 152.7 %



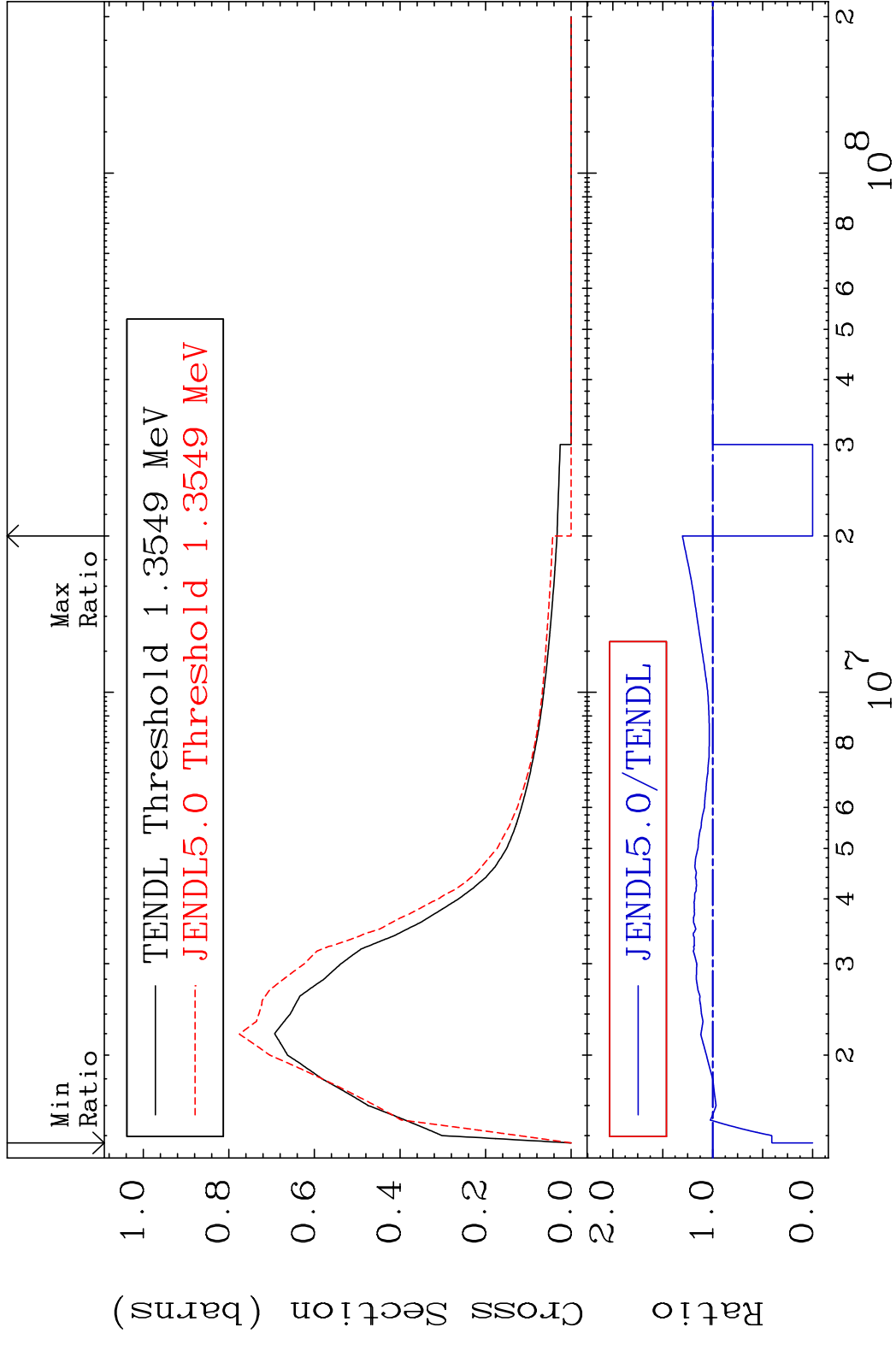
6 28-Ni-60

MAT 2831 (n, n') p 28-Ni-60  
 Cross Section -100.0 To 9999. %

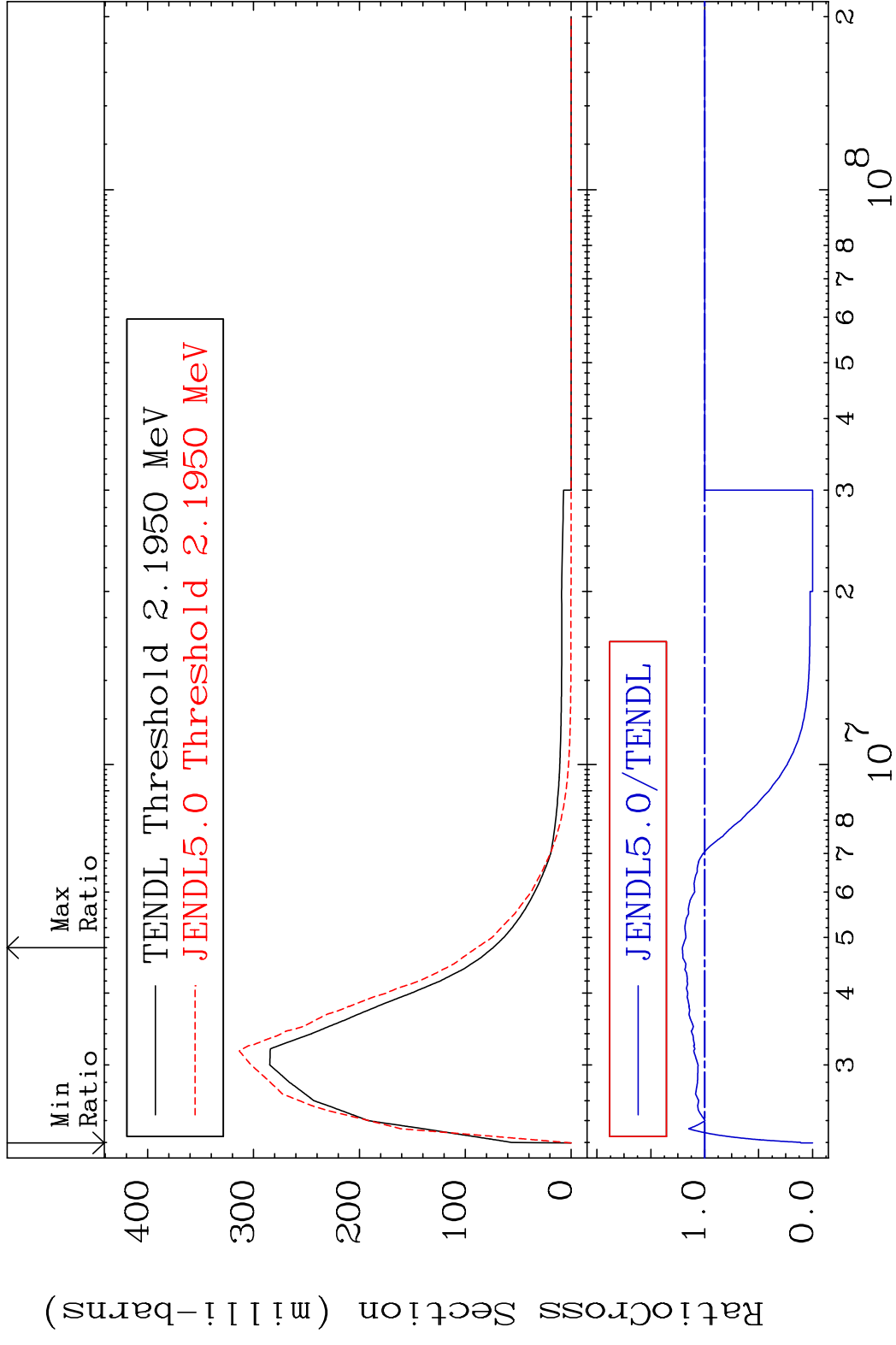


7 Incident Energy (eV) 28-Ni-60

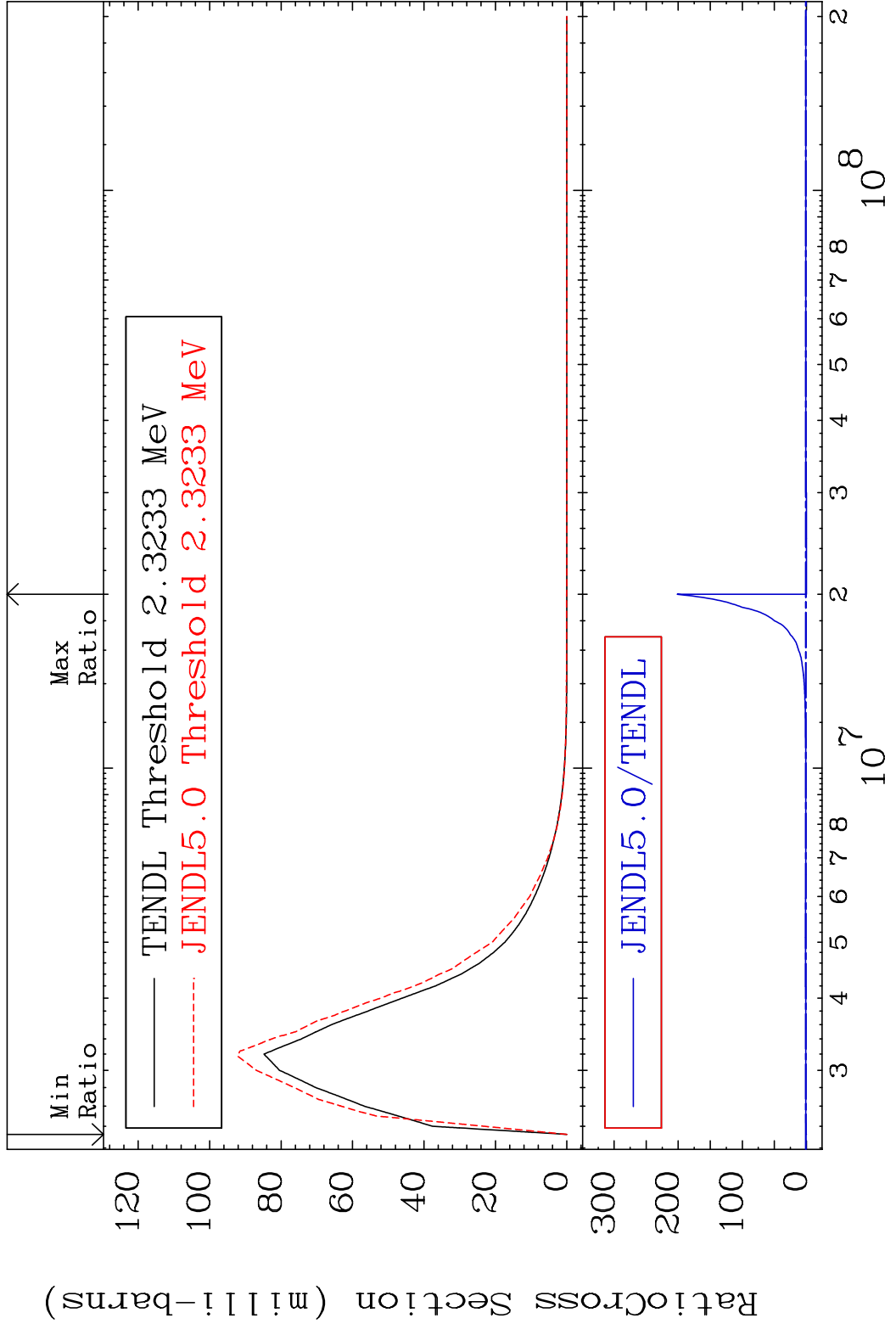
MAT 2831 MT= 51 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 30.34 %



MAT 2831 MT= 52 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 20.79 %

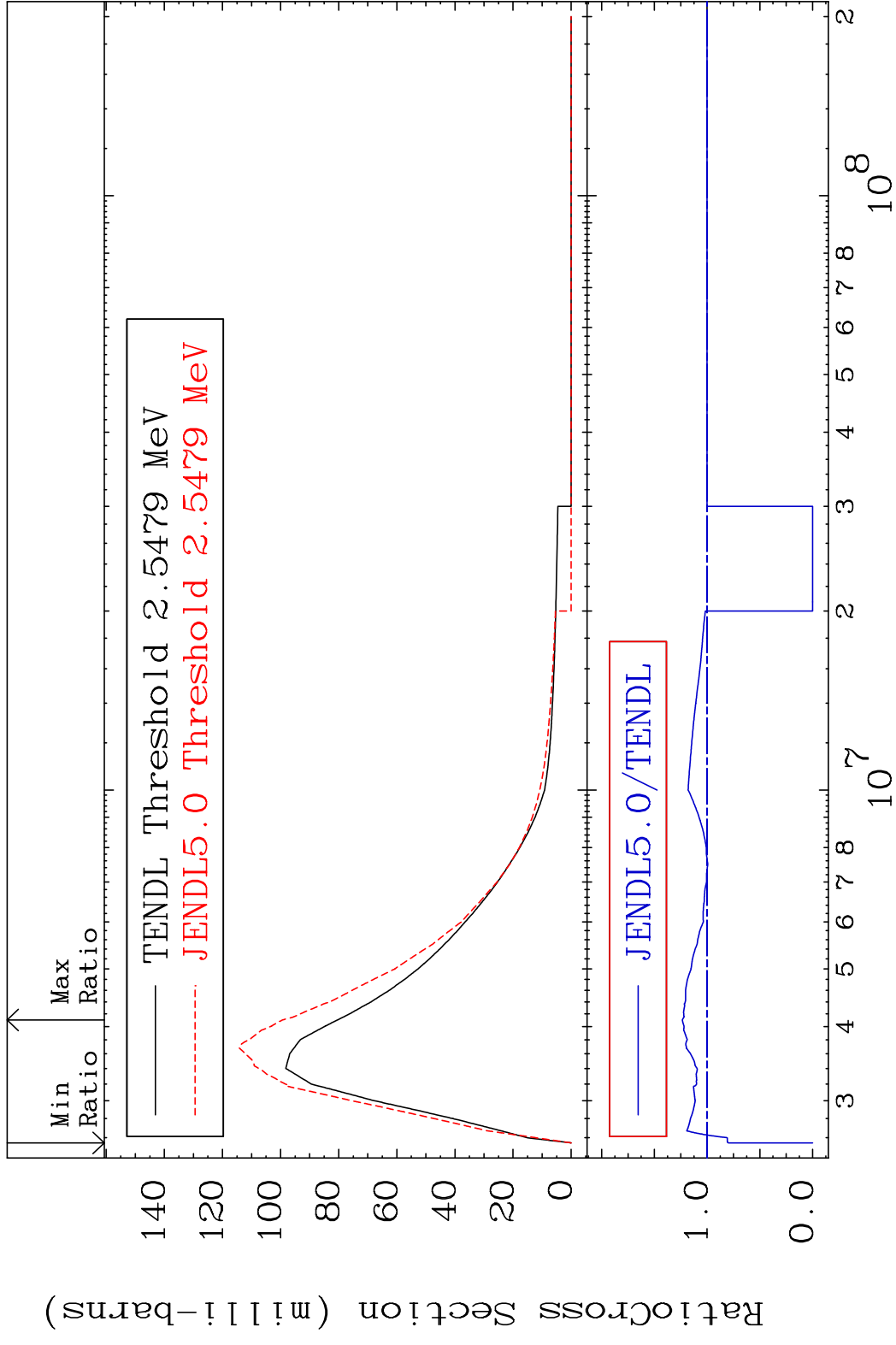


MAT 2831 MT= 53 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 9999. %



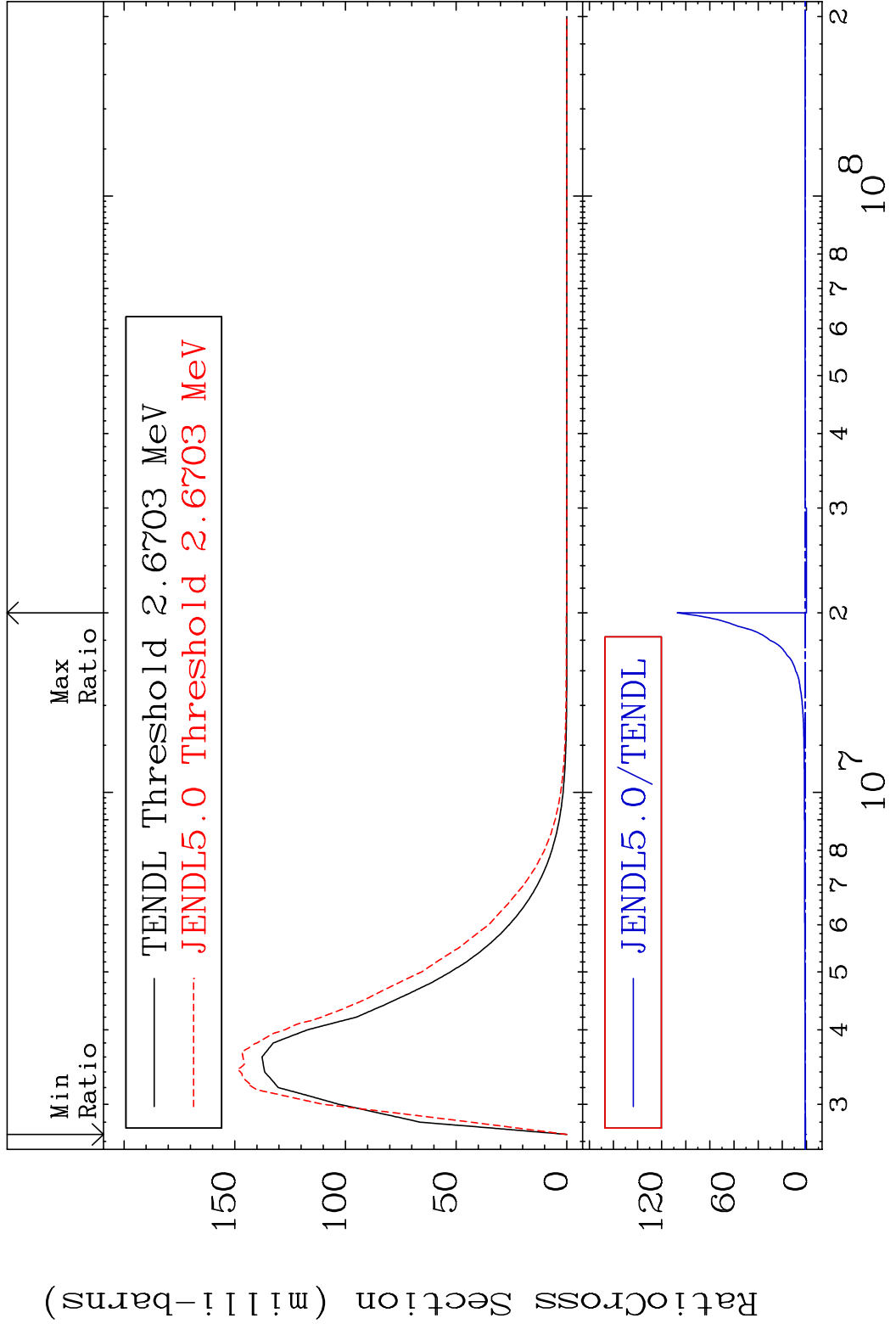
10

MAT 2831 MT= 54 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 23.47 %



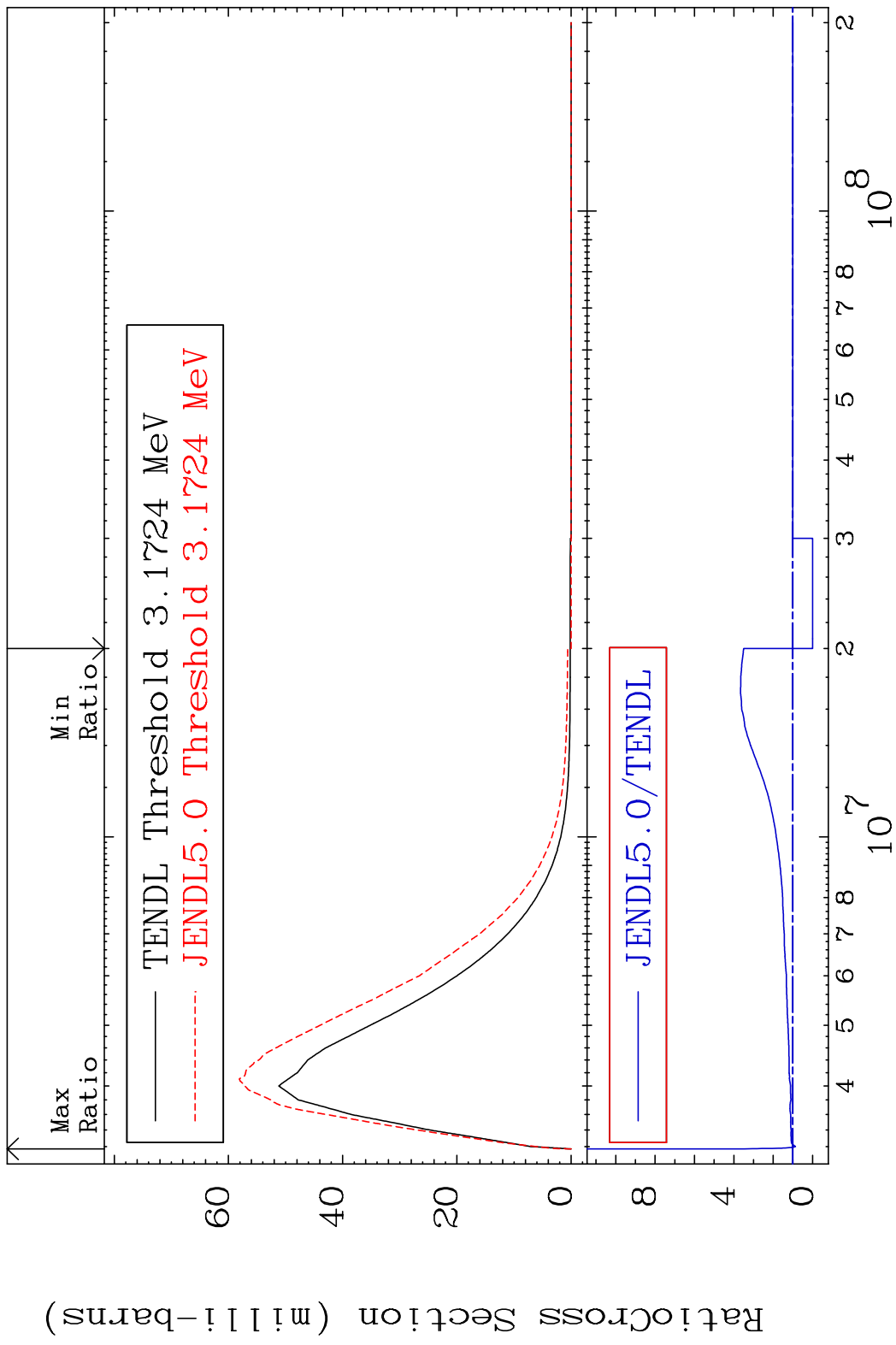
11 Incident Energy (eV) 28-Ni-60

MAT 2831 MT= 55 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 9999. %

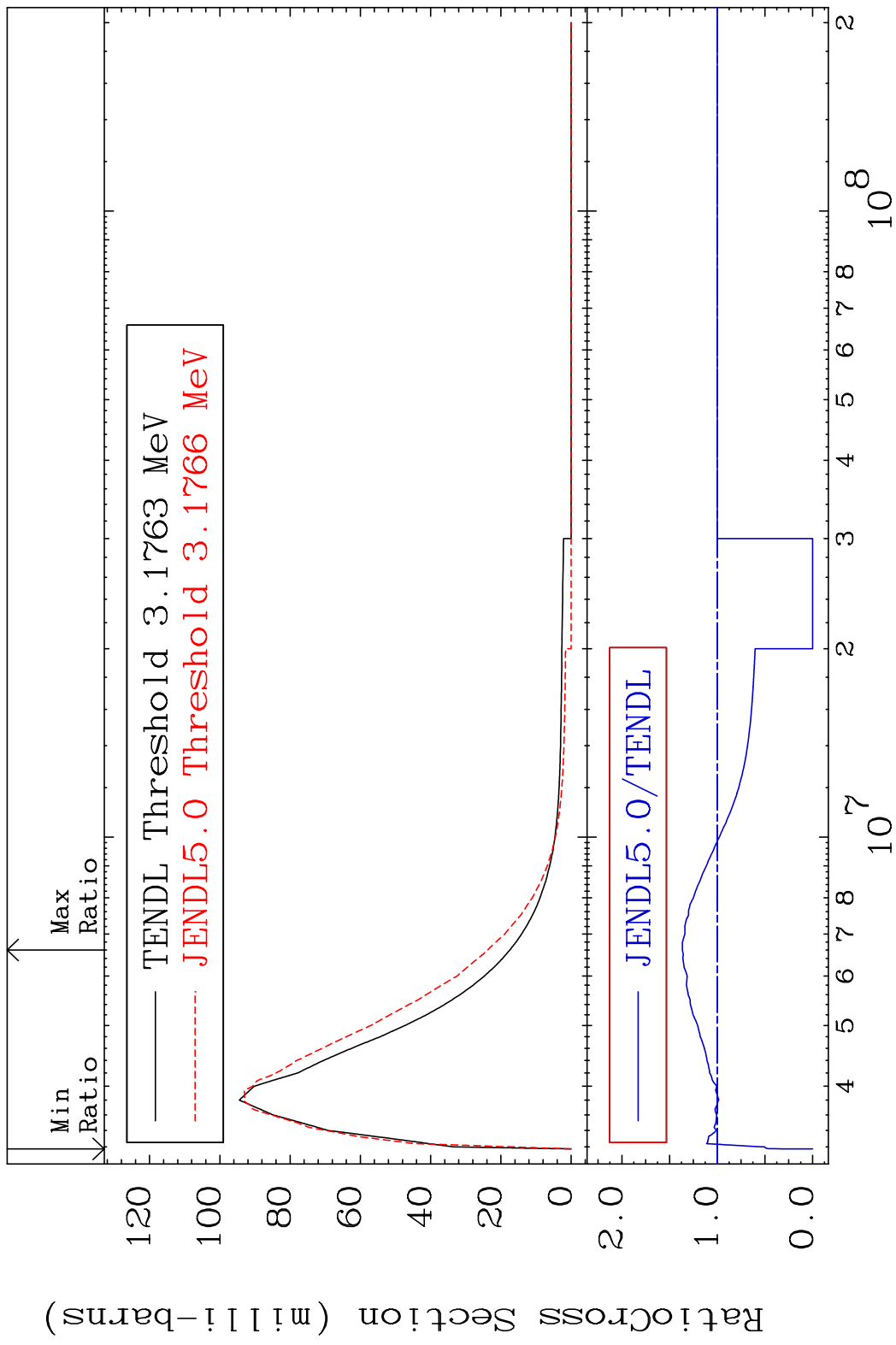


12 28-Ni-60

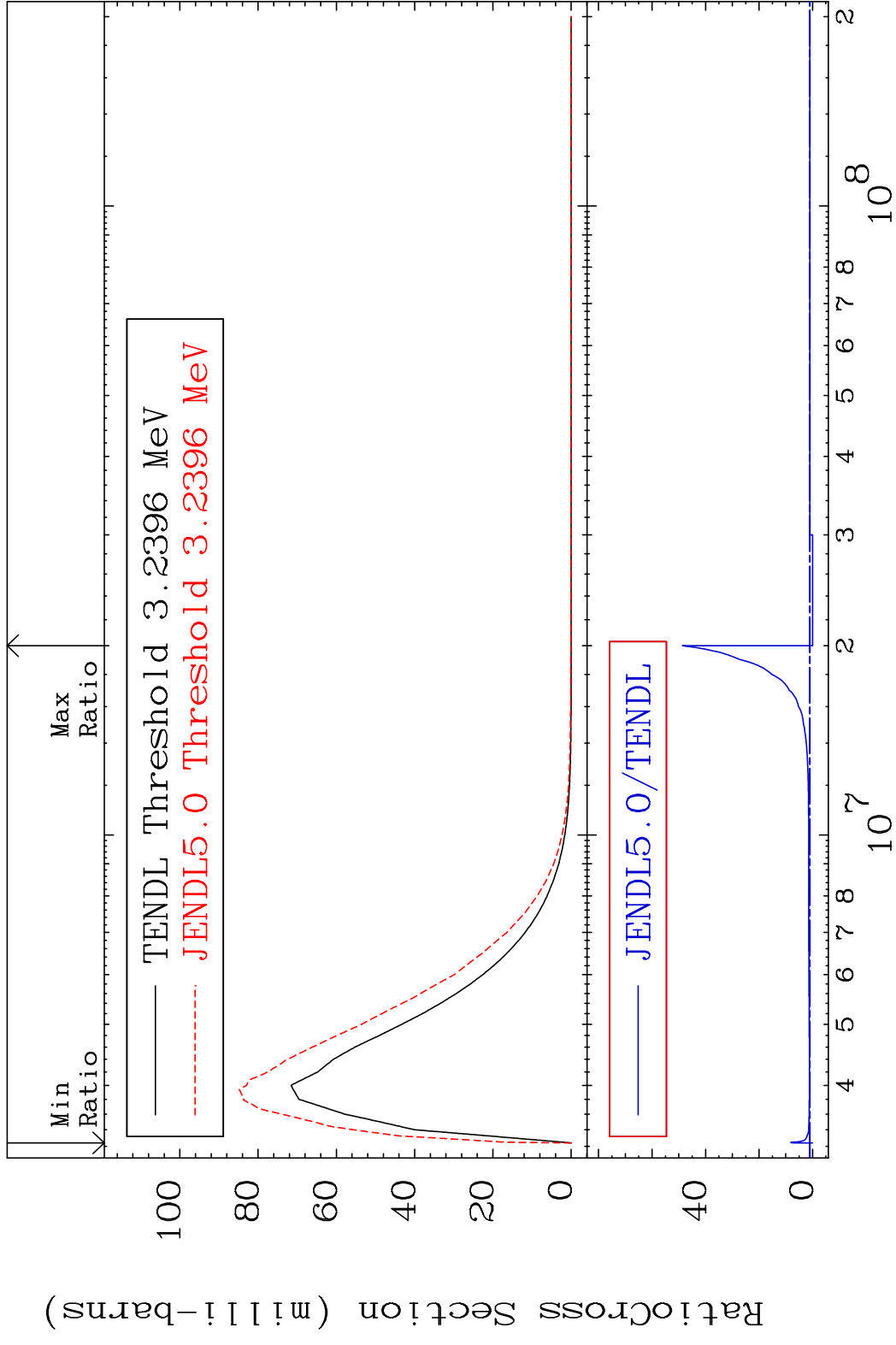
MAT 2831 MT= 56 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 561.6 %



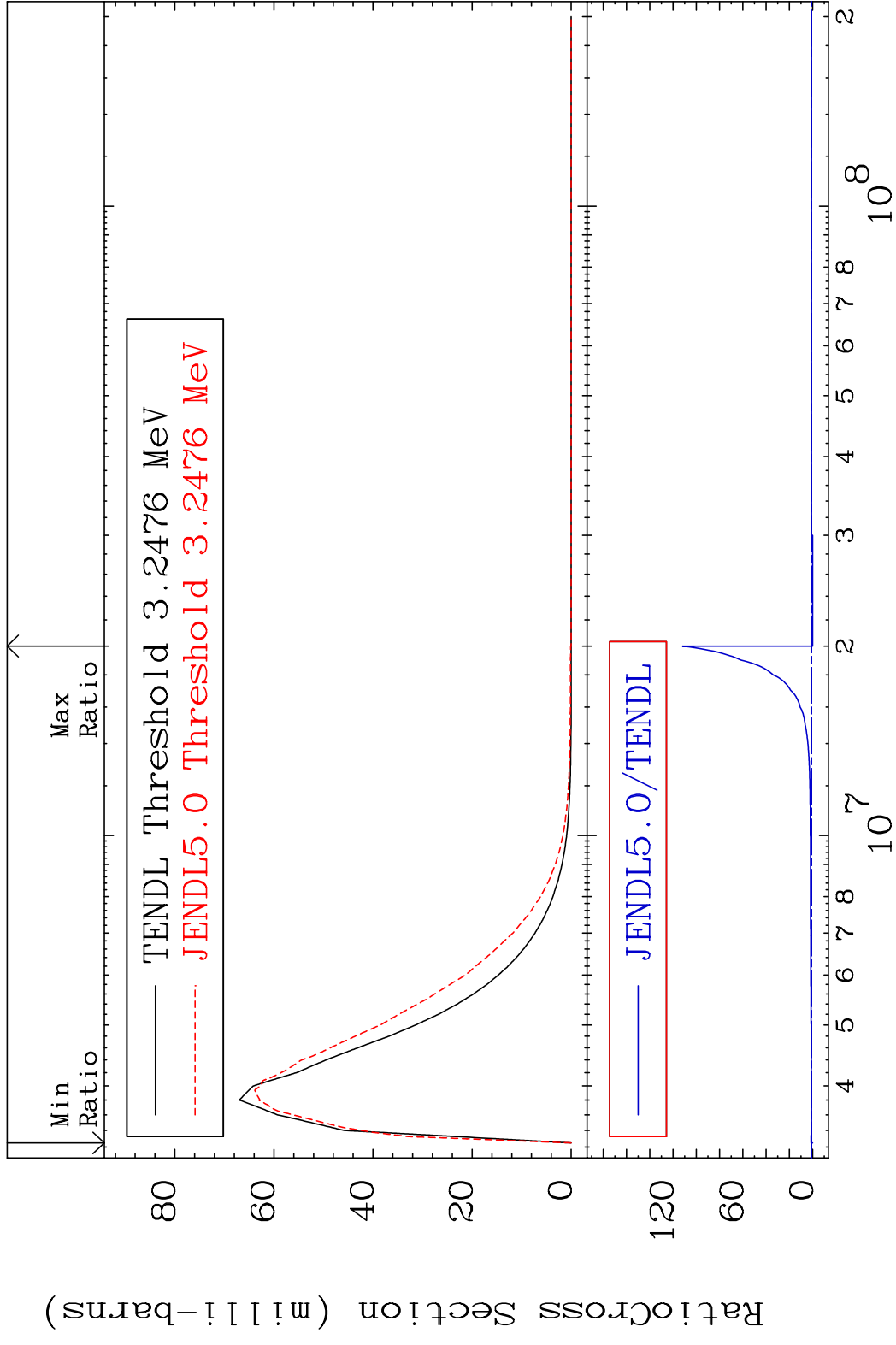
MAT 2831 MT= 57 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 36.57 %



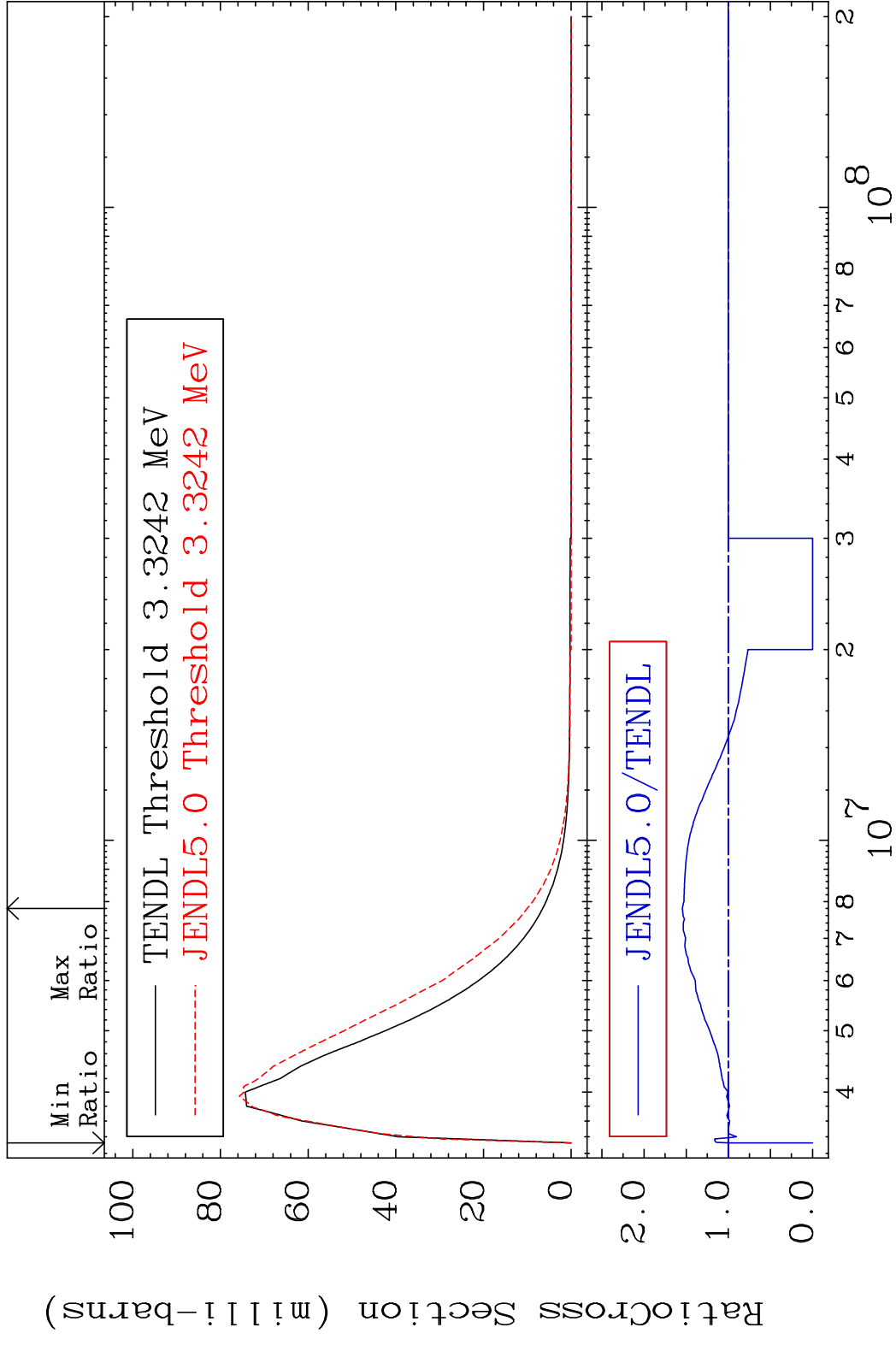
MAT 2831 MT= 58 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 4767. %



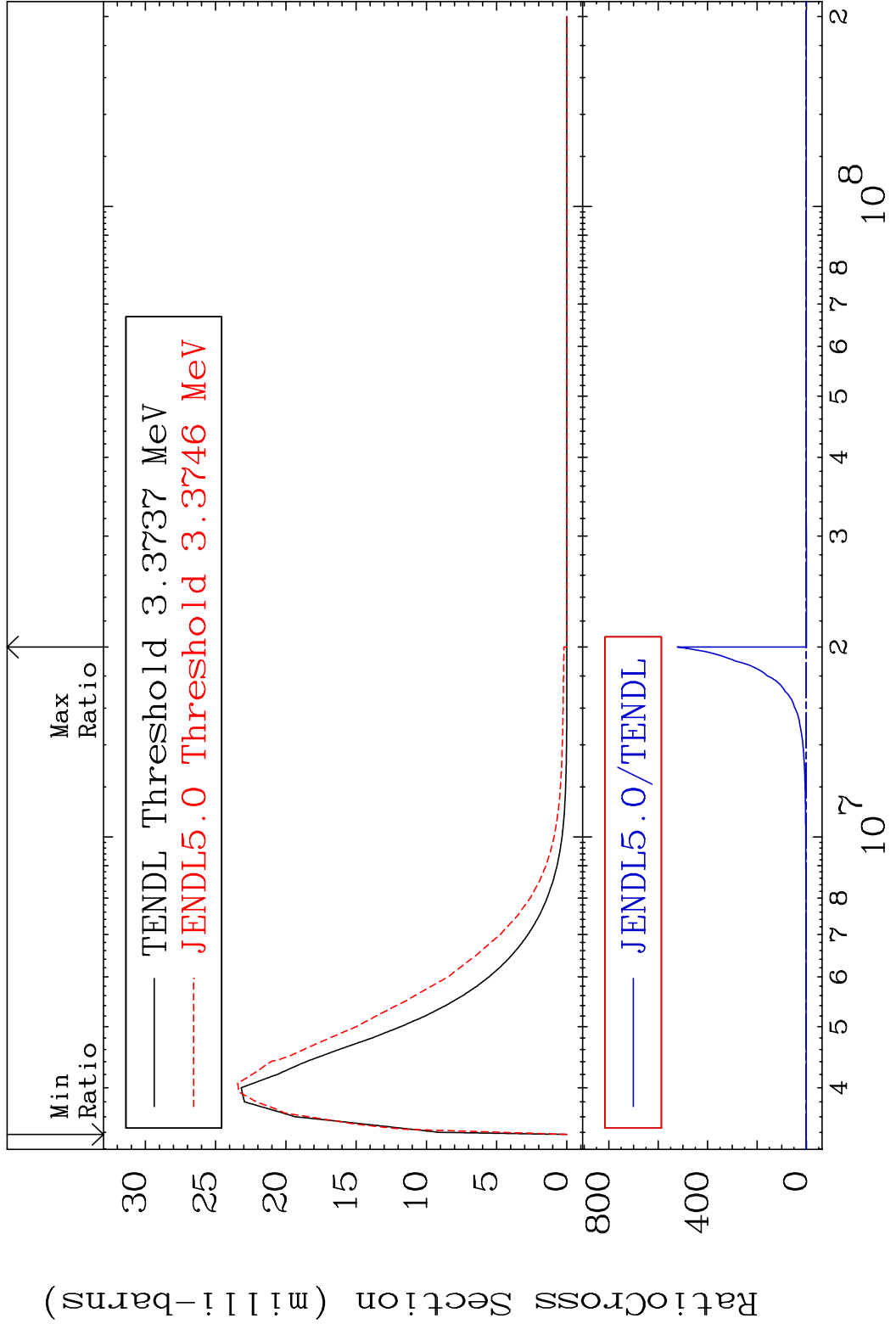
MAT 2831 MT= 59 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 9999. %



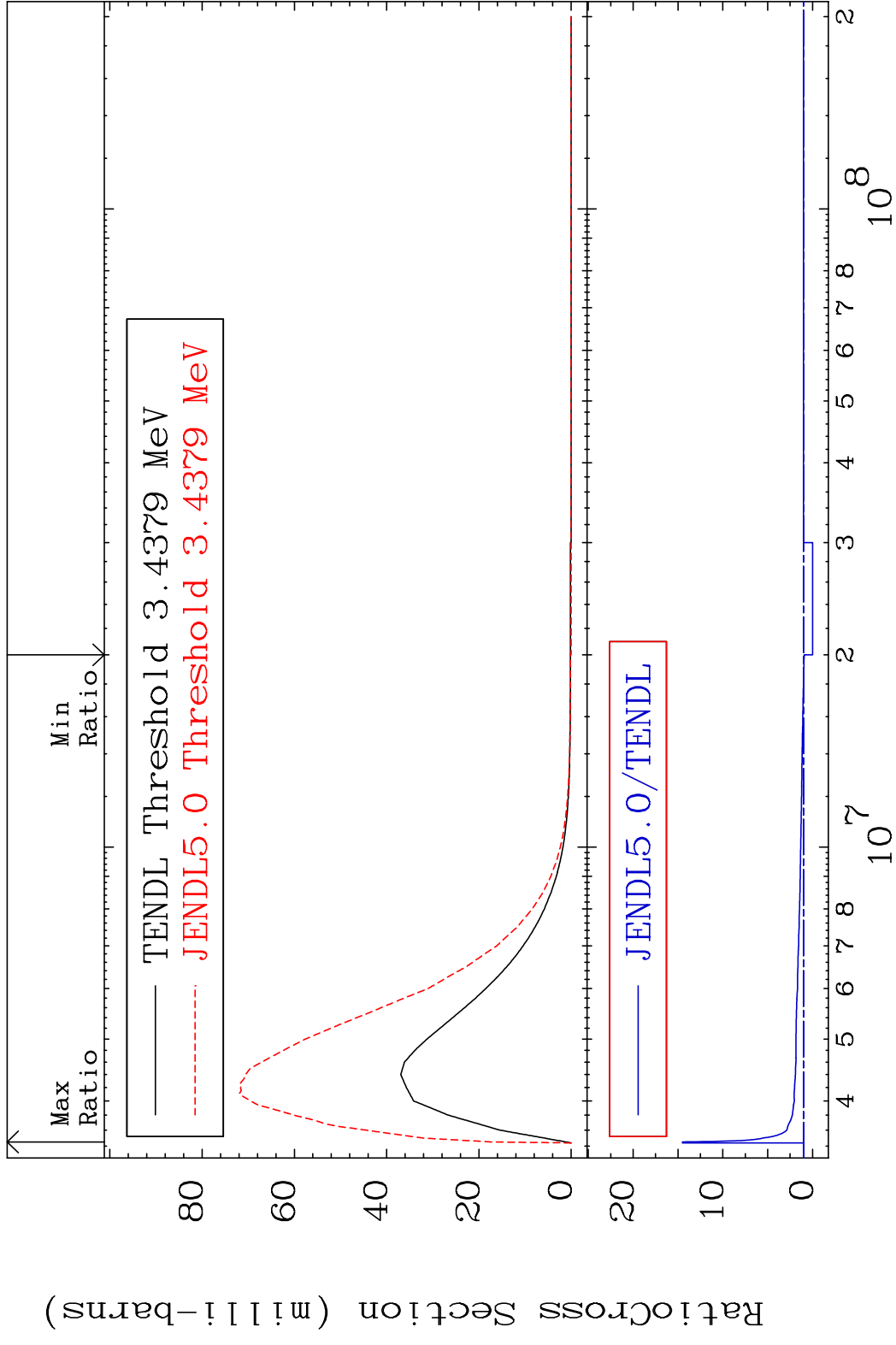
MAT 2831 MT= 60 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 54.56 %



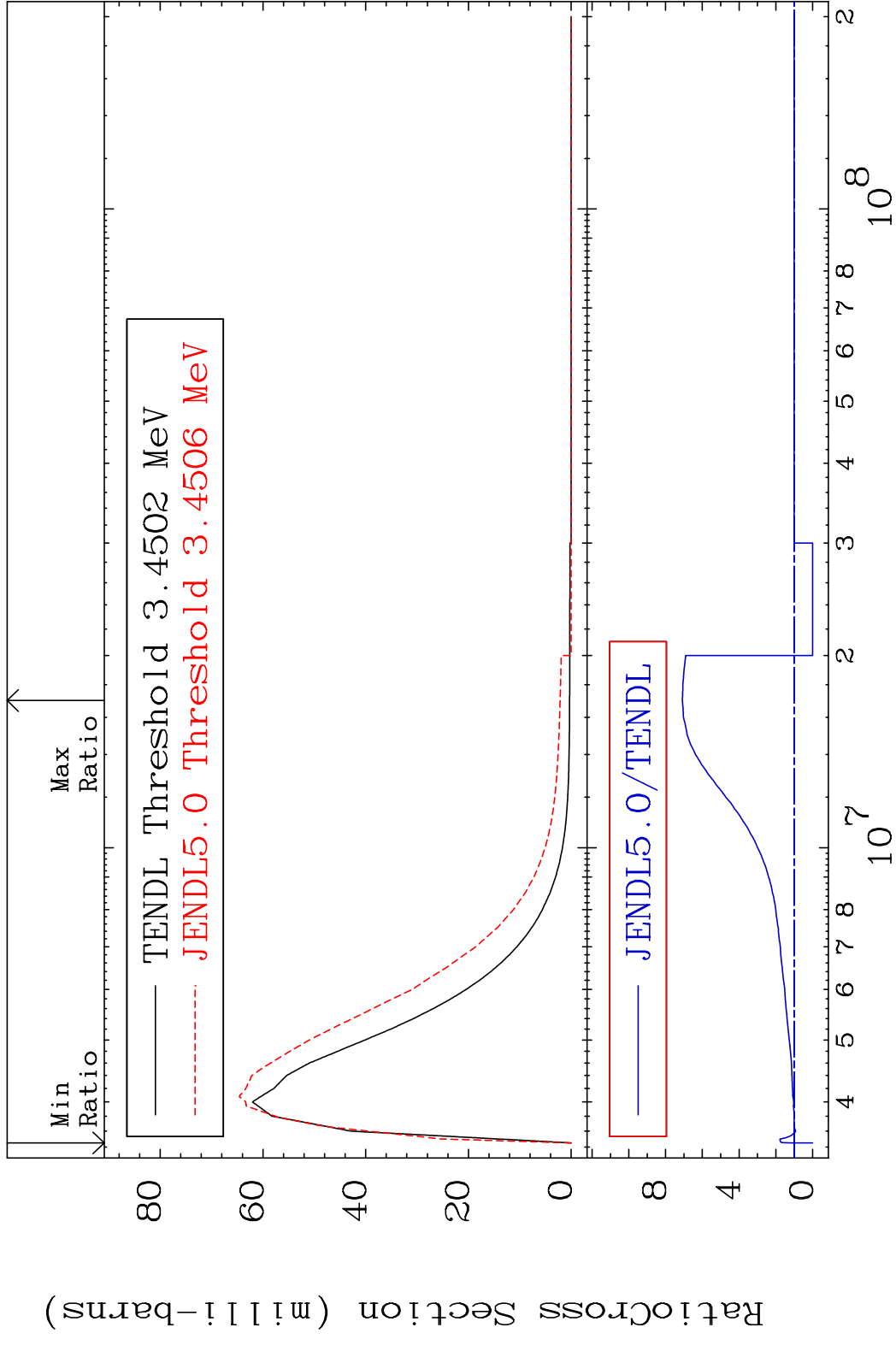
MAT 2831 MT= 61 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 9999. %



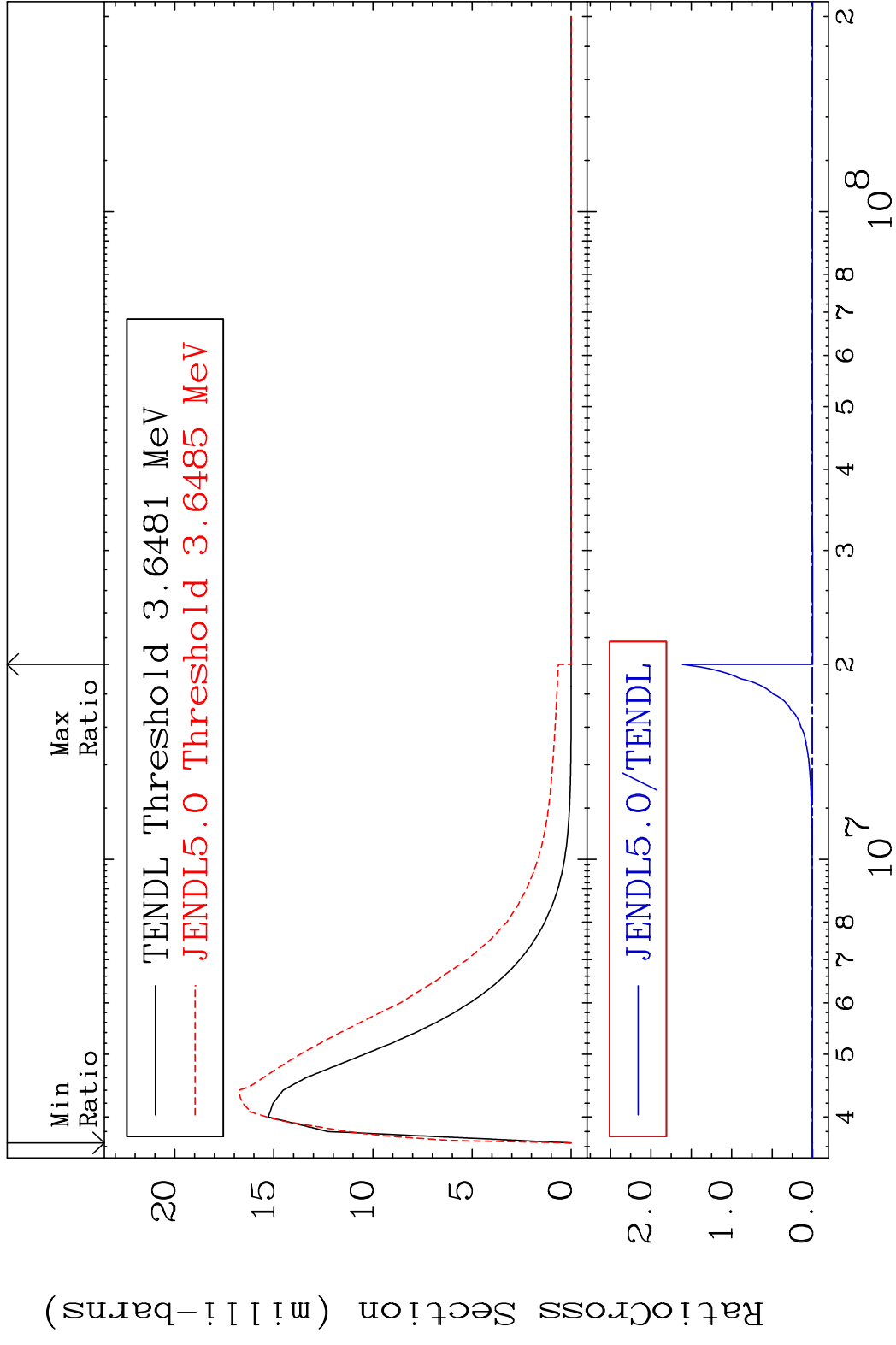
MAT 2831 MT= 62 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 1352. %



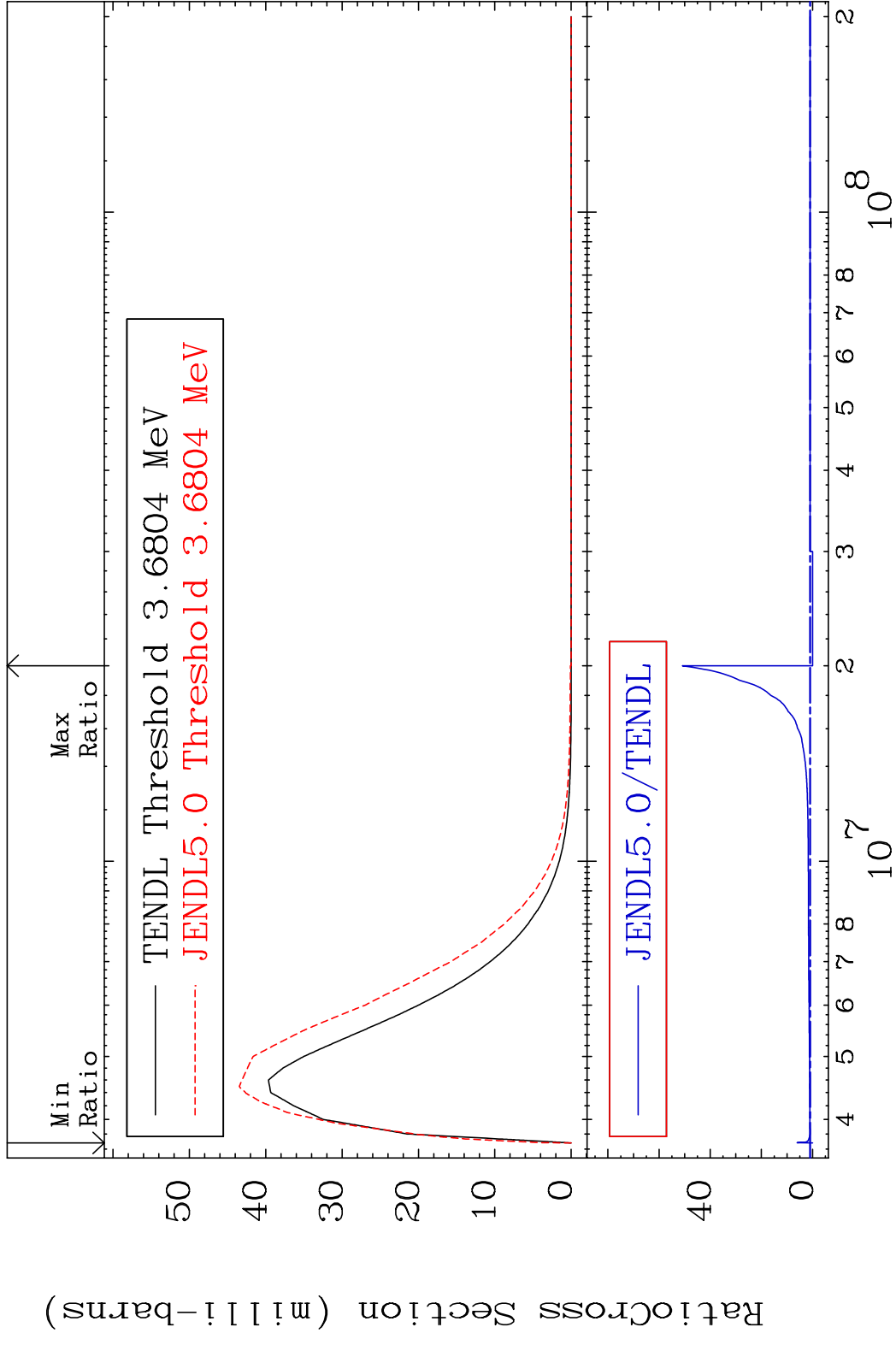
MAT 2831 MT= 63 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 608.8 %



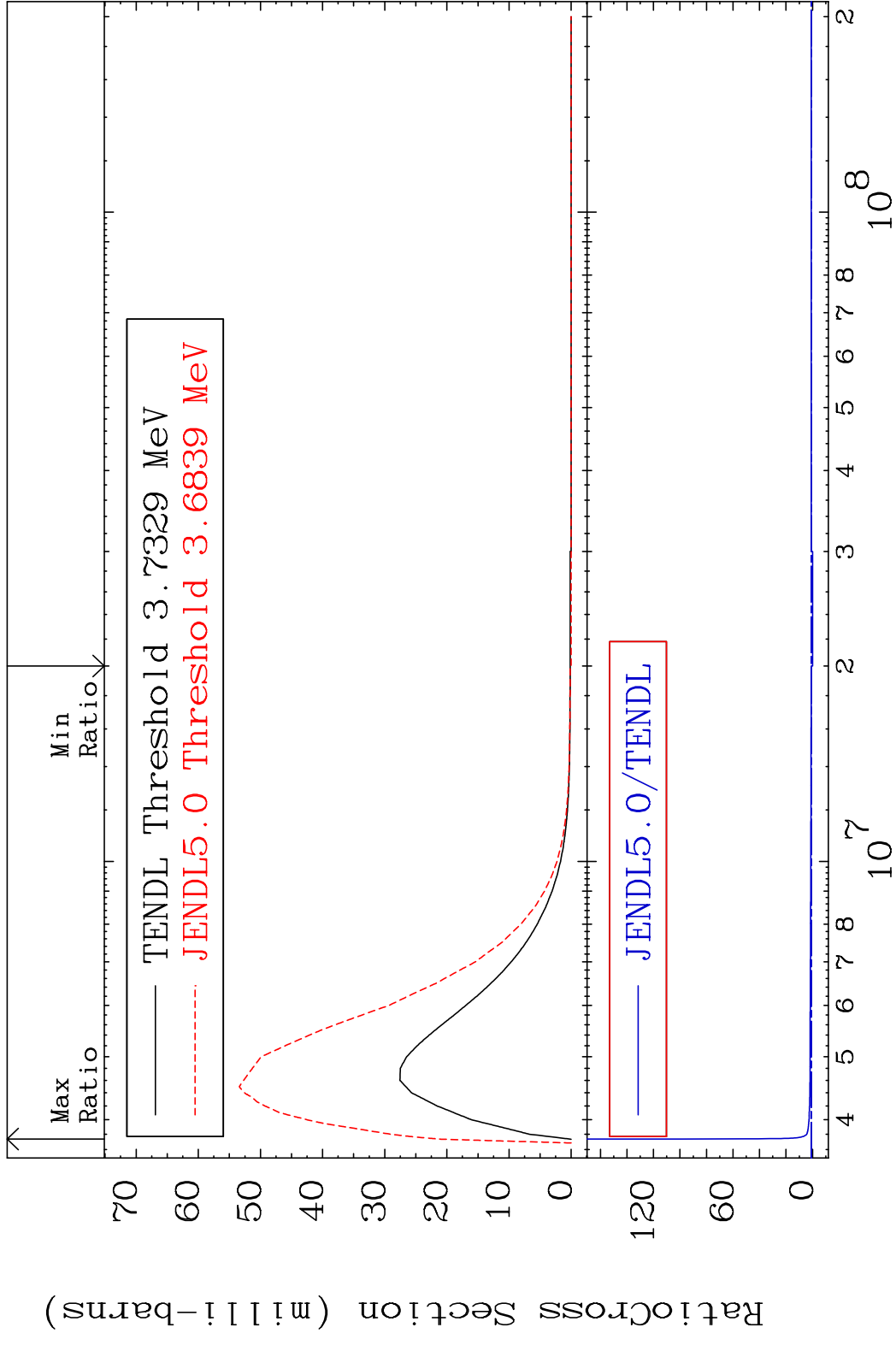
MAT 2831 MT= 64 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 9999. %



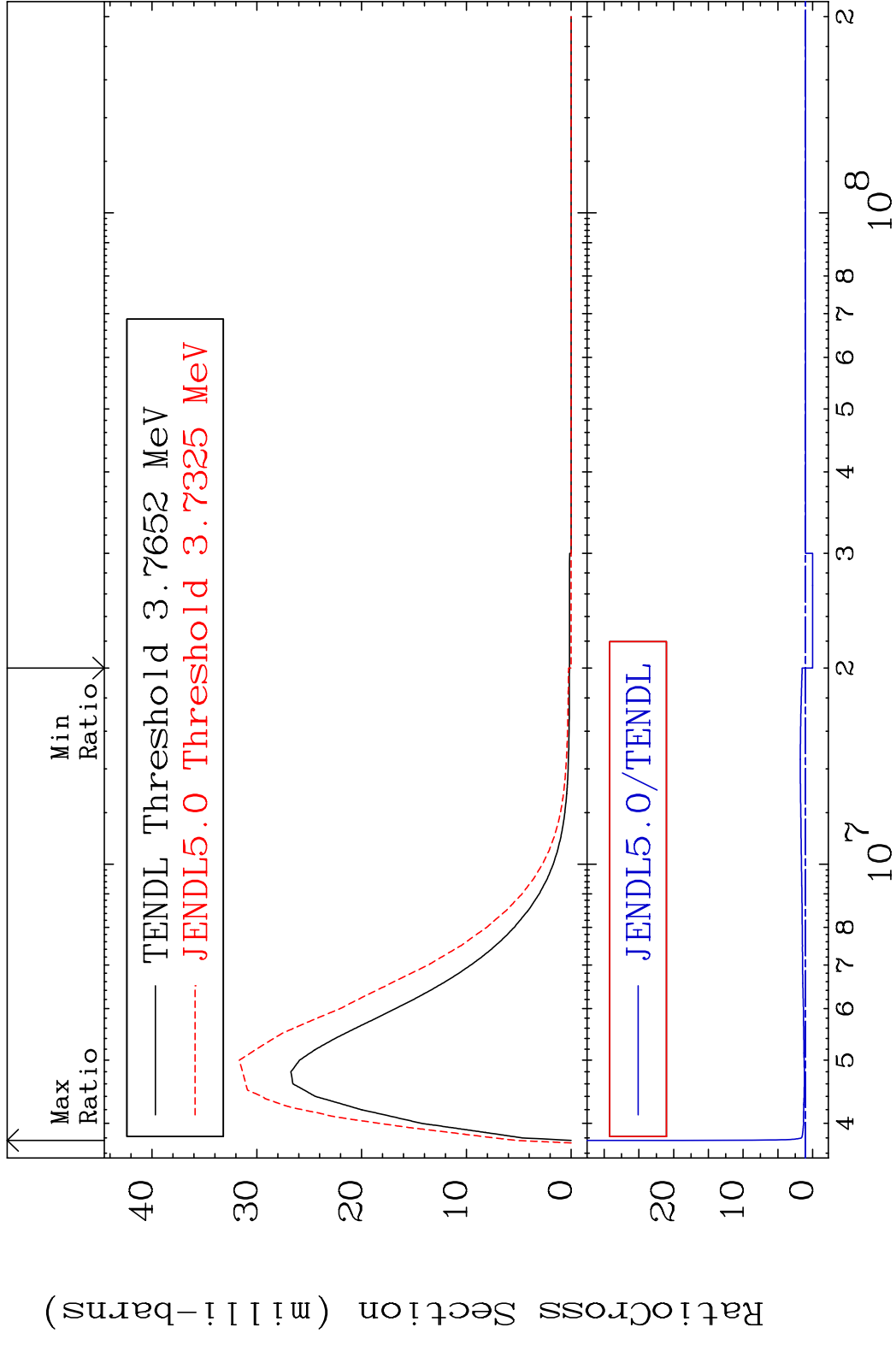
MAT 2831 MT= 65 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 4990. %



MAT 2831 MT= 66 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 9720. %

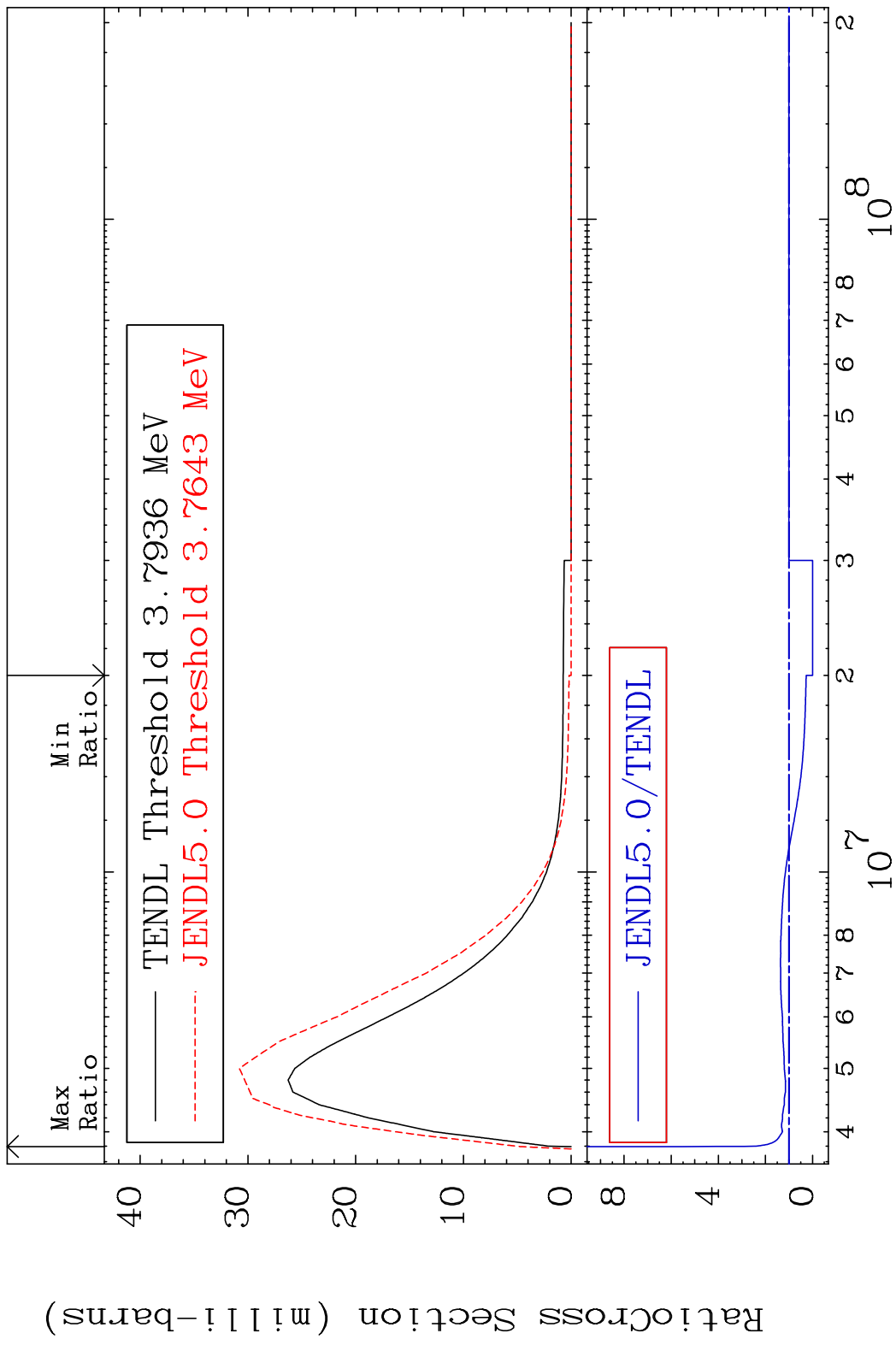


MAT 2831 MT= 67 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 1775. %

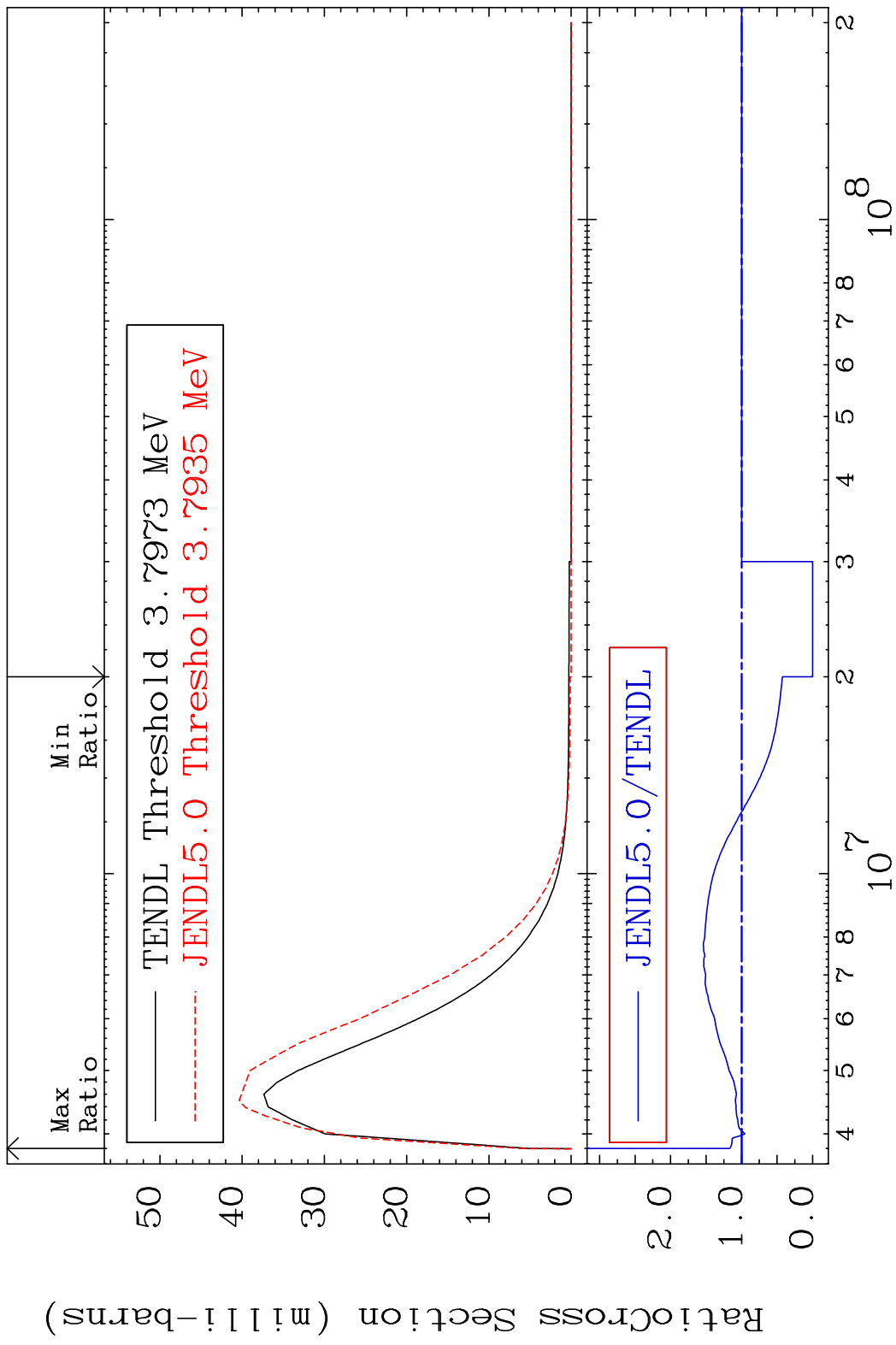


24 Incident Energy (eV) 28-Ni-60

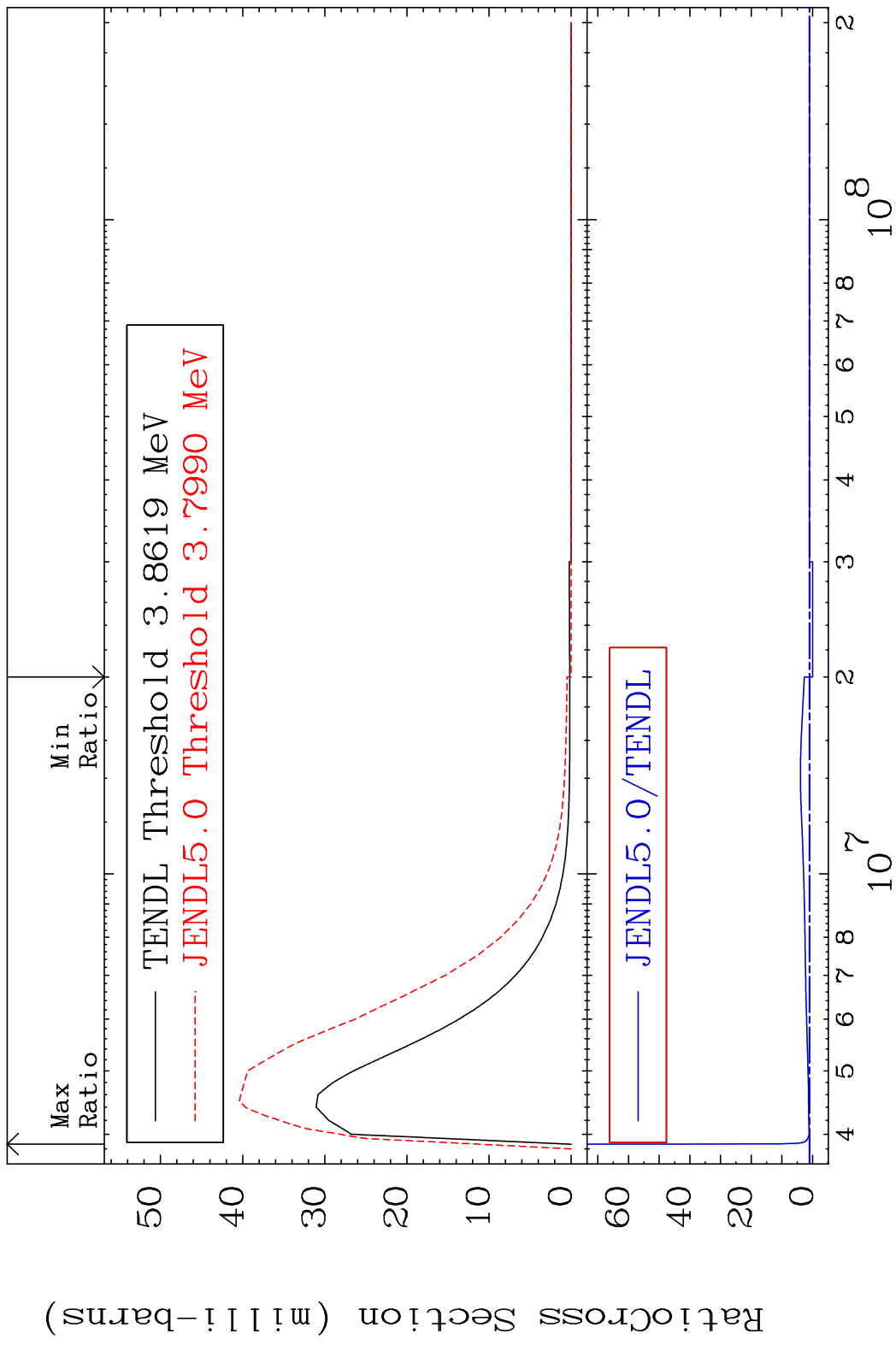
MAT 2831 MT= 68 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 452.7 %



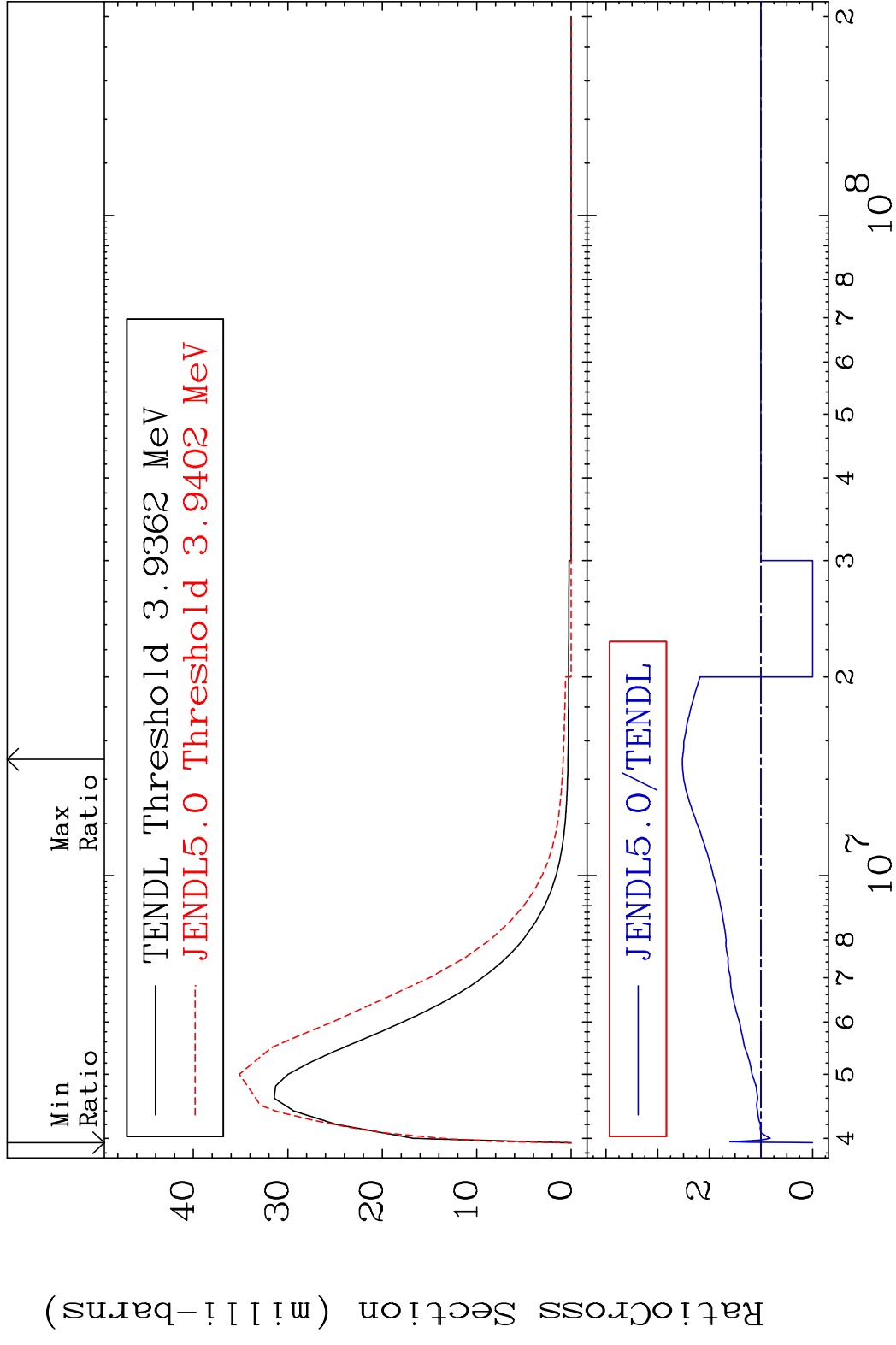
MAT 2831 MT= 69 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 83.43 %



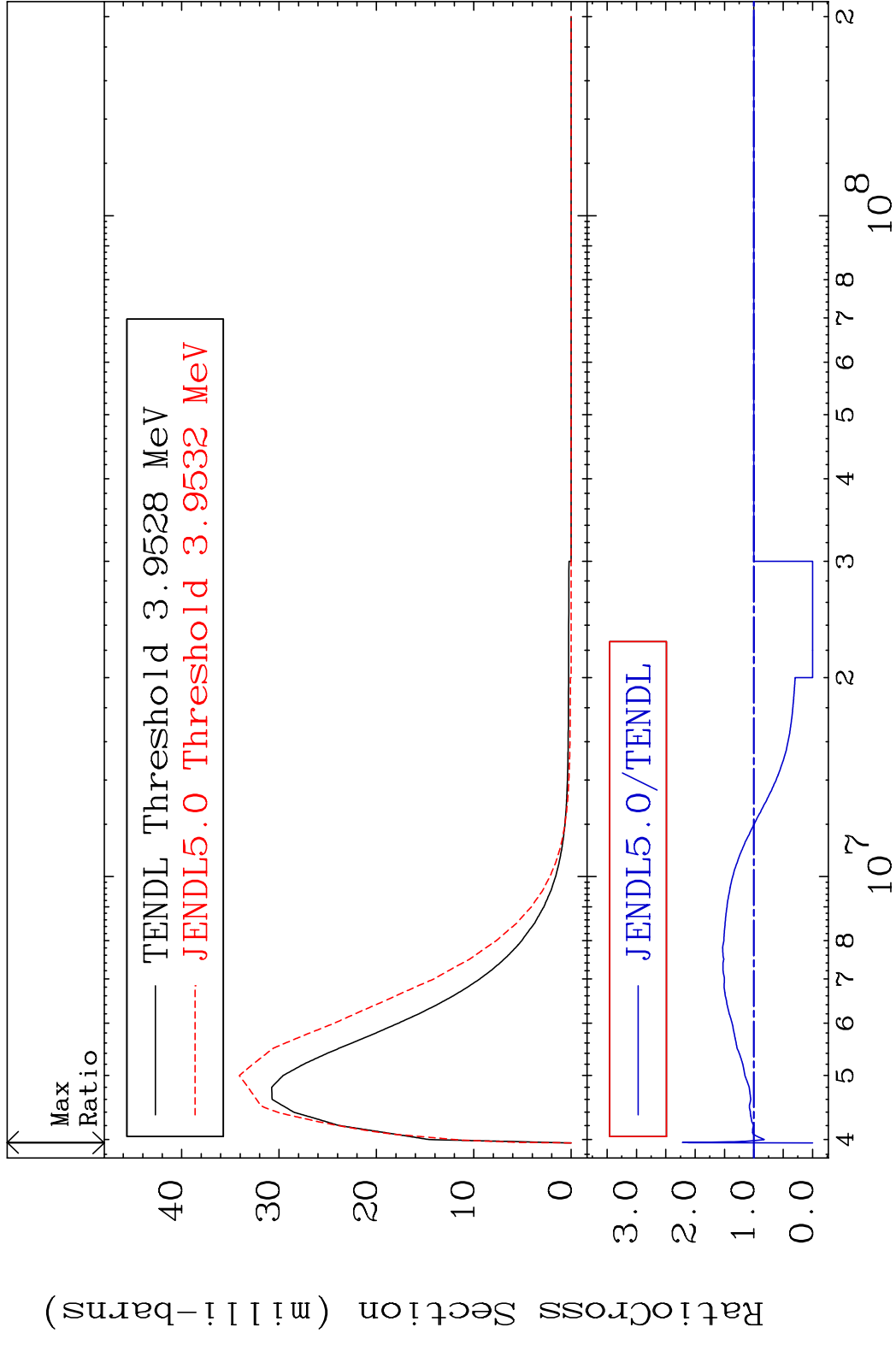
MAT 2831 MT= 70 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 4146. %



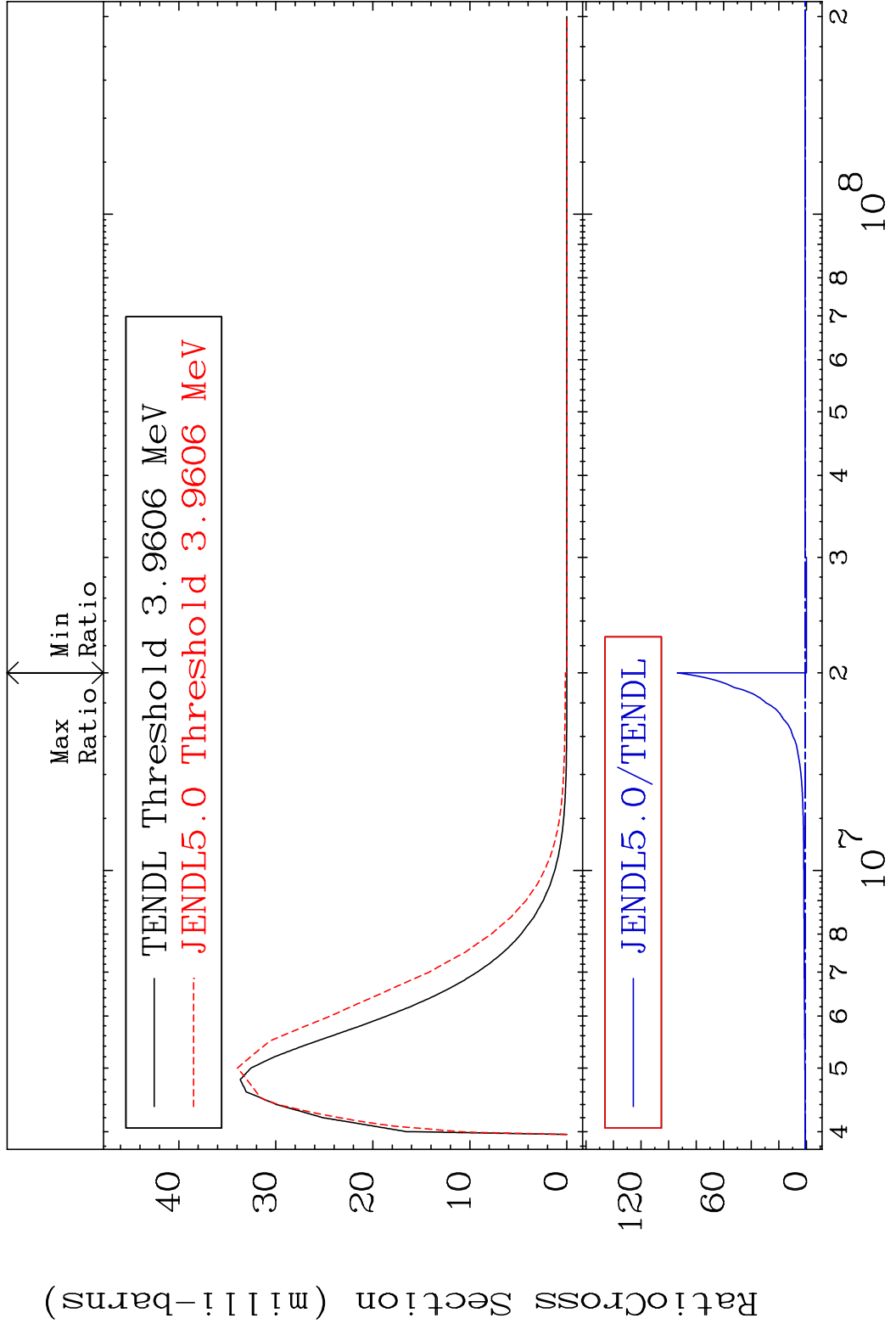
MAT 2831 MT= 71 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 152.3 %



MAT 2831 MT= 72 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 121.8 %

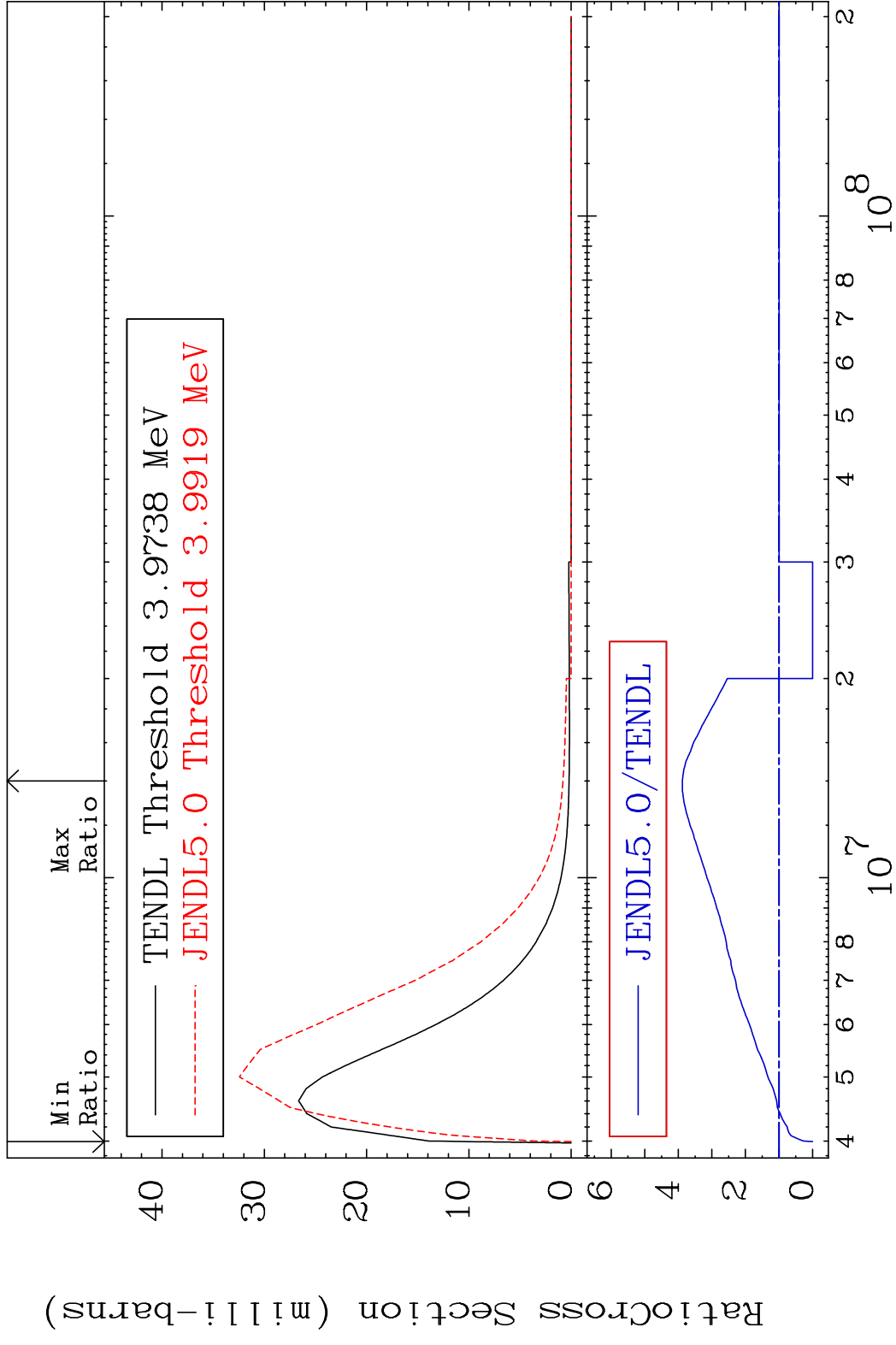


MAT 2831 MT= 73 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 9277. %

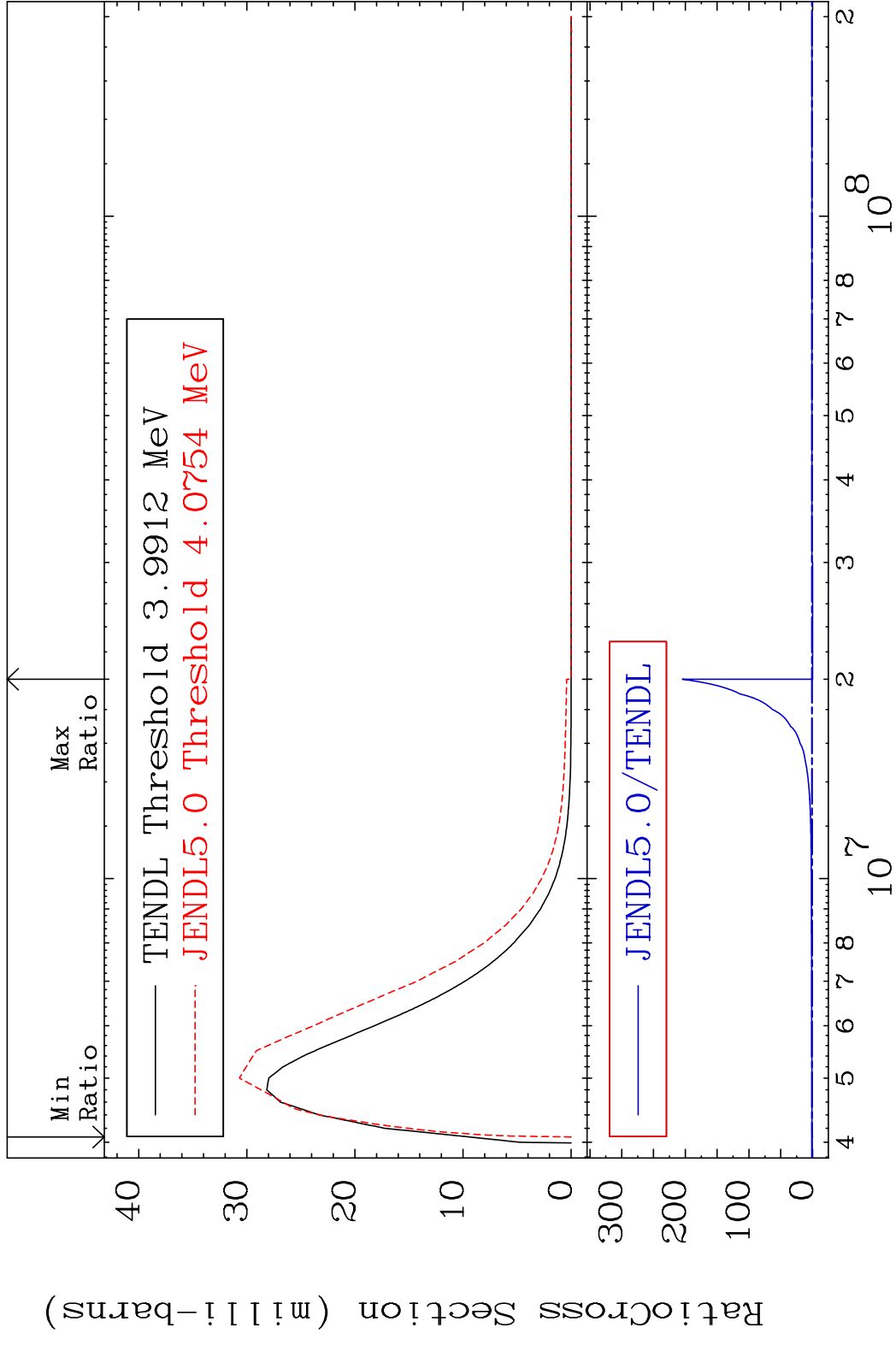


30 Incident Energy (eV) 28-Ni-60

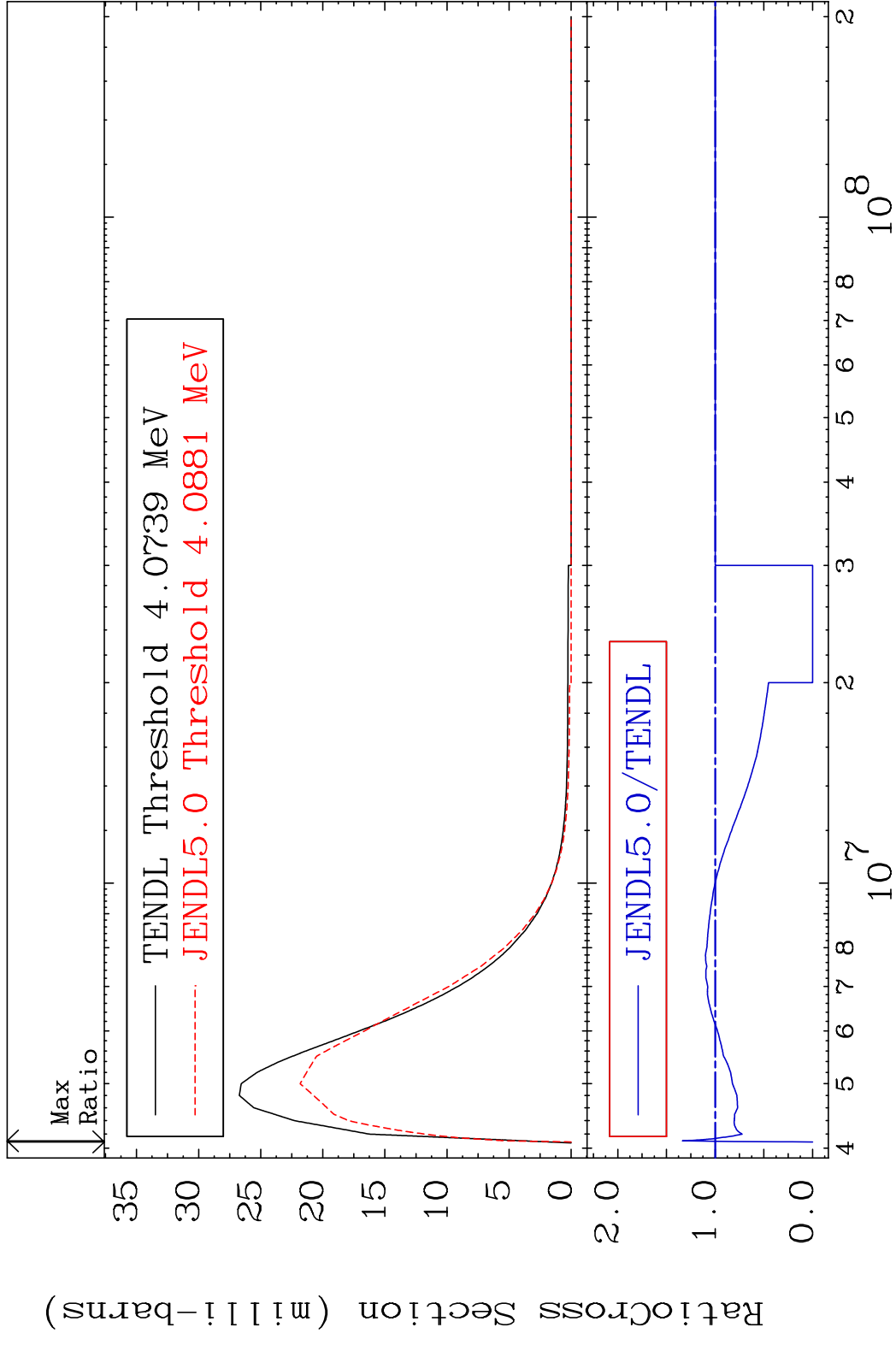
MAT 2831 MT= 74 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 288.0 %



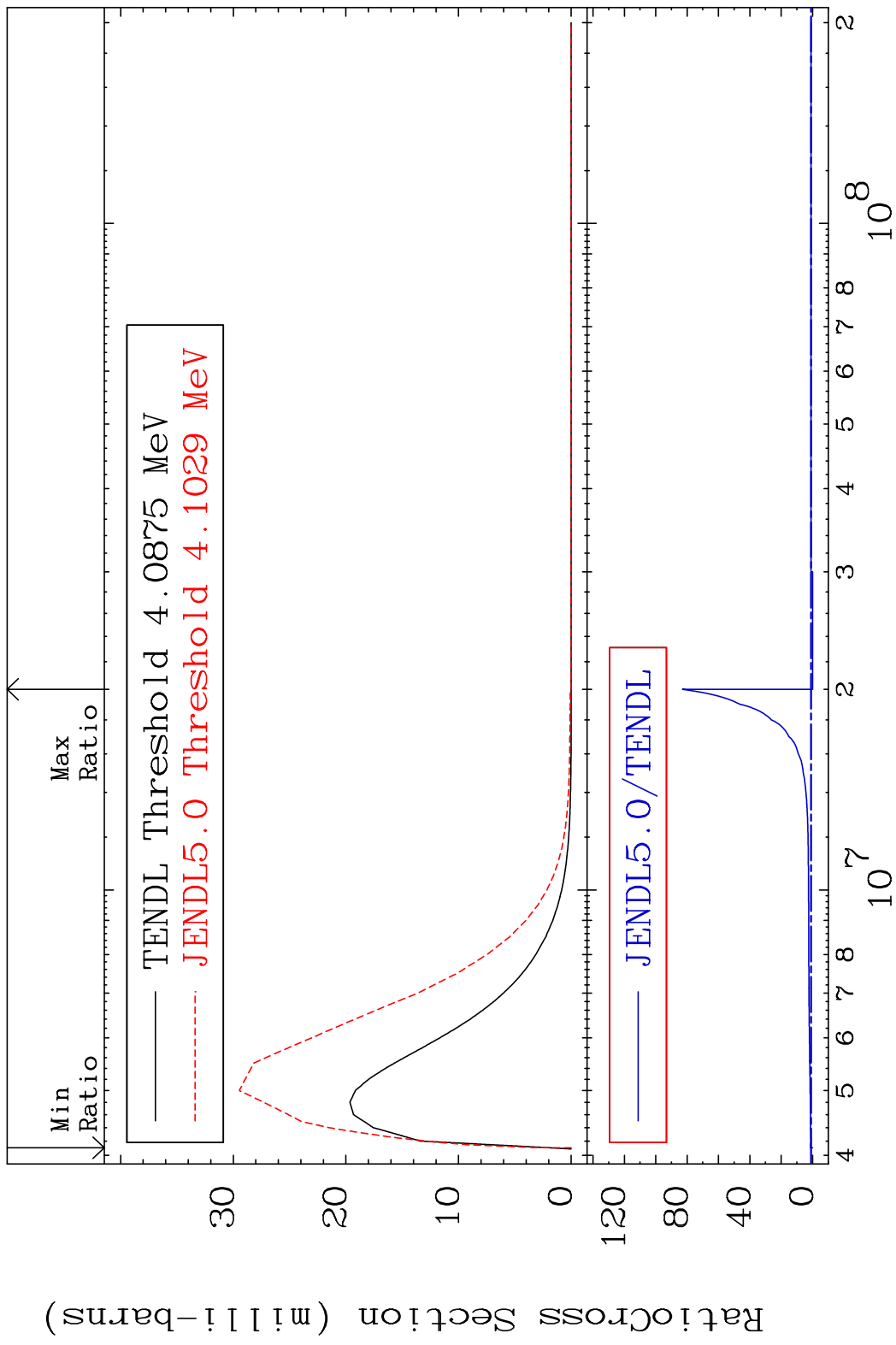
MAT 2831 MT= 75 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 9999. %



MAT 2831 MT= 76 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 33.67 %

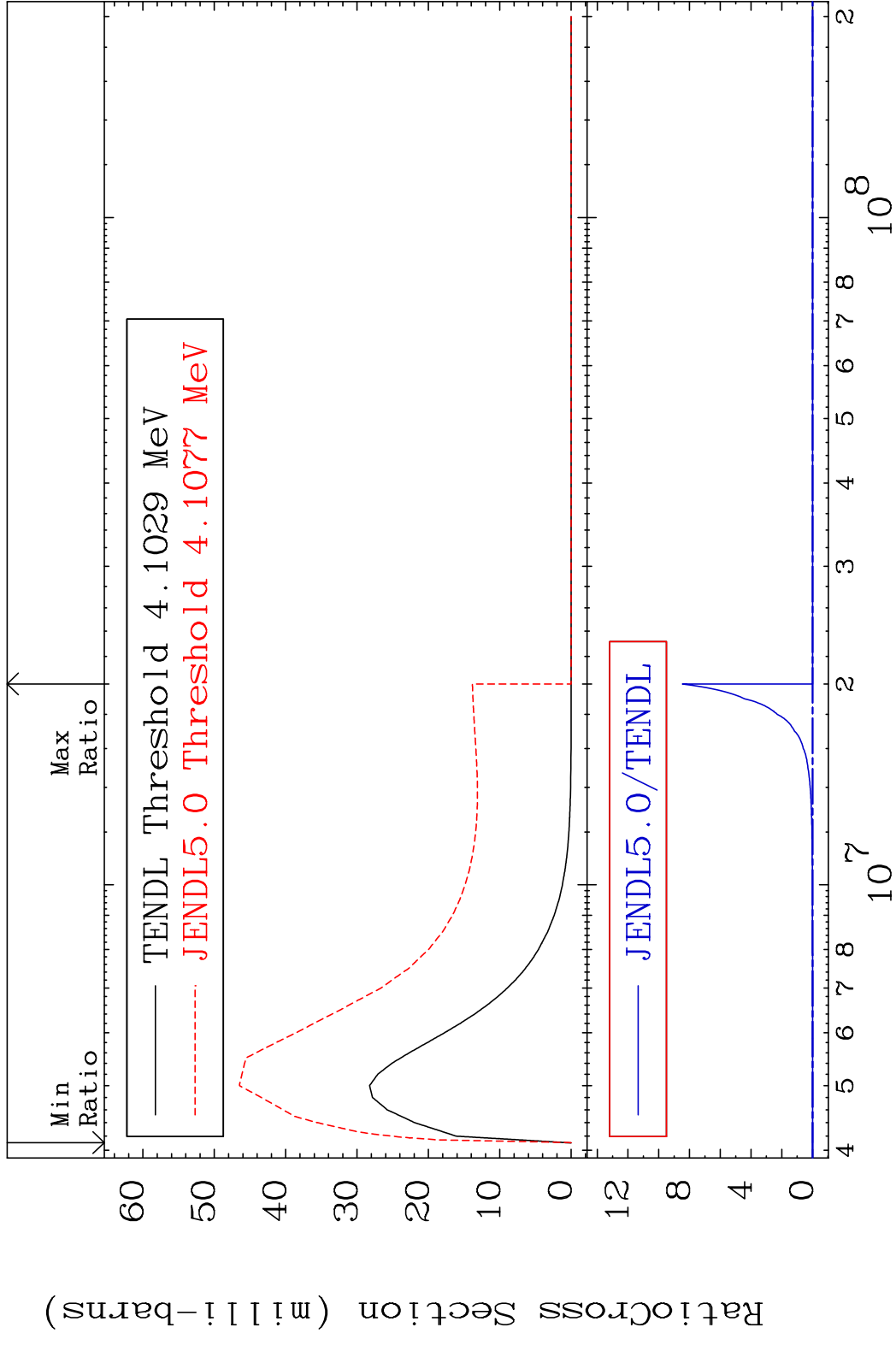


MAT 2831 MT= 77 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 8203. %



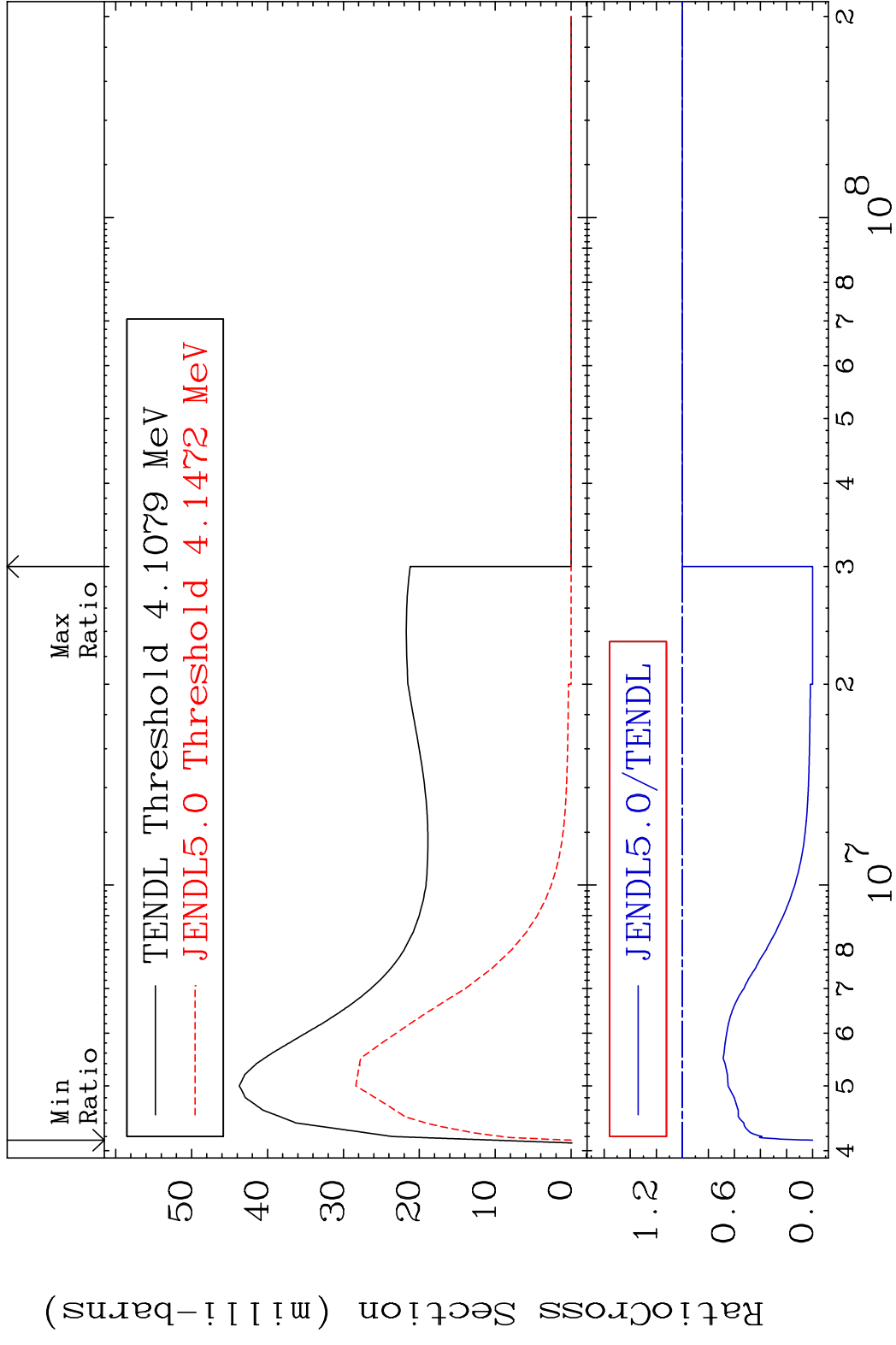
34 28-Ni-60

MAT 2831 MT= 78 (n,n') Level 28-Ni-60  
 Cross Section -100.0 To 9999. %

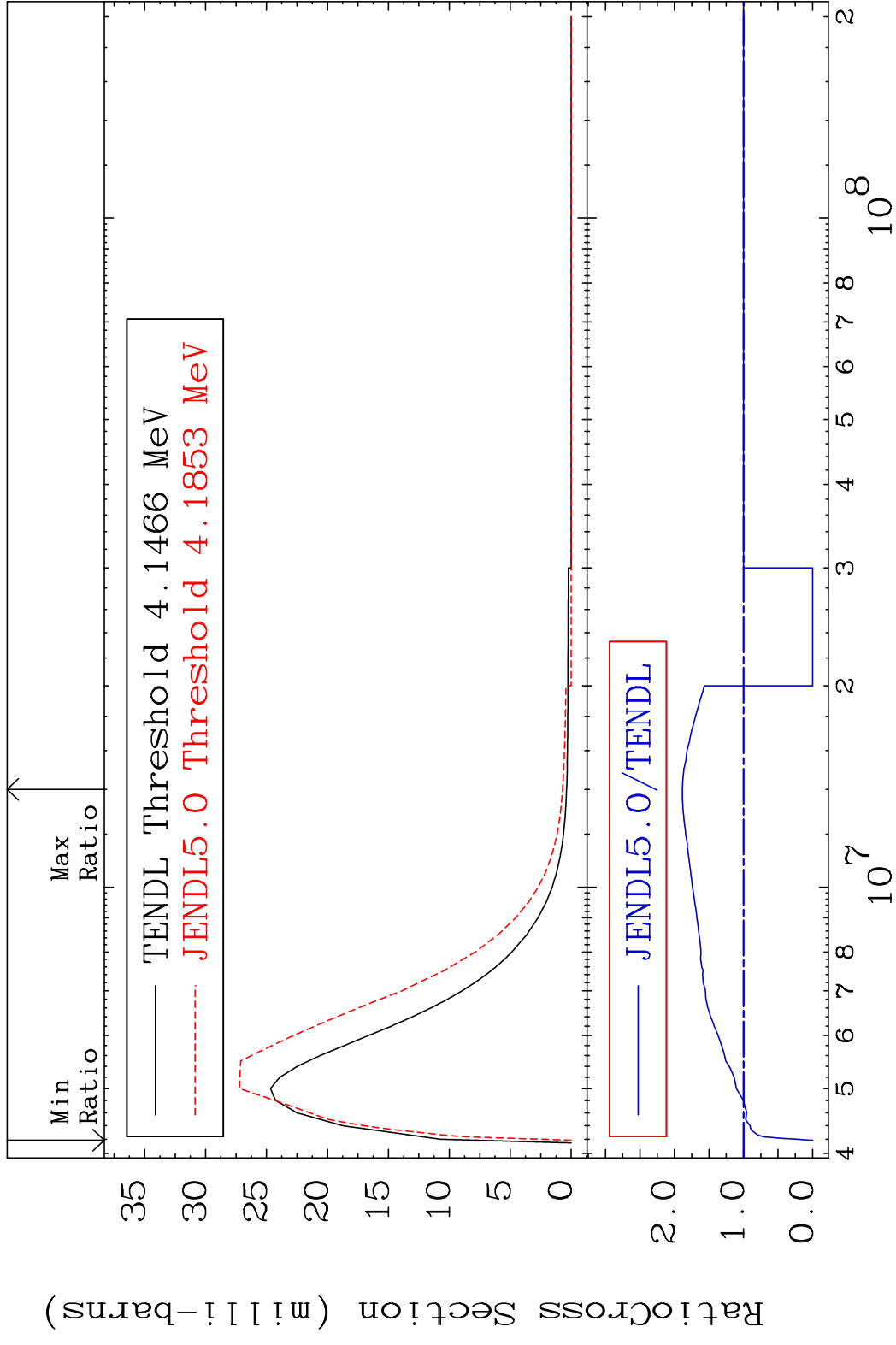


35 Incident Energy (eV) 28-Ni-60

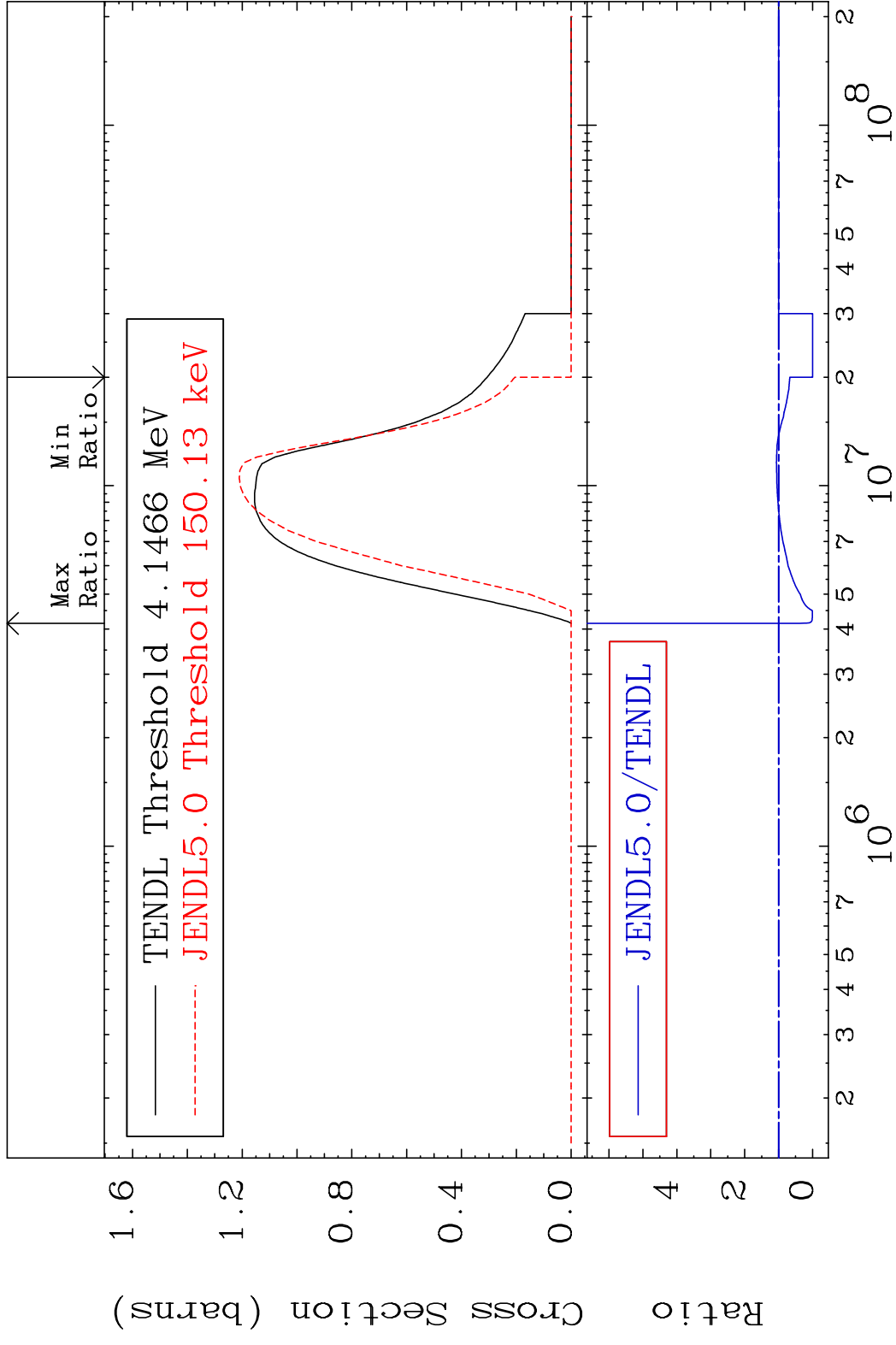
MAT 2831 MT= 79 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 0.000 %



MAT 2831 MT= 80 (n, n') Level 28-Ni-60  
 Cross Section -100.0 To 88.60 %



MAT 2831 (n,n') Continuum 28-Ni-60  
 Cross Section -100.0 To 283.7 %

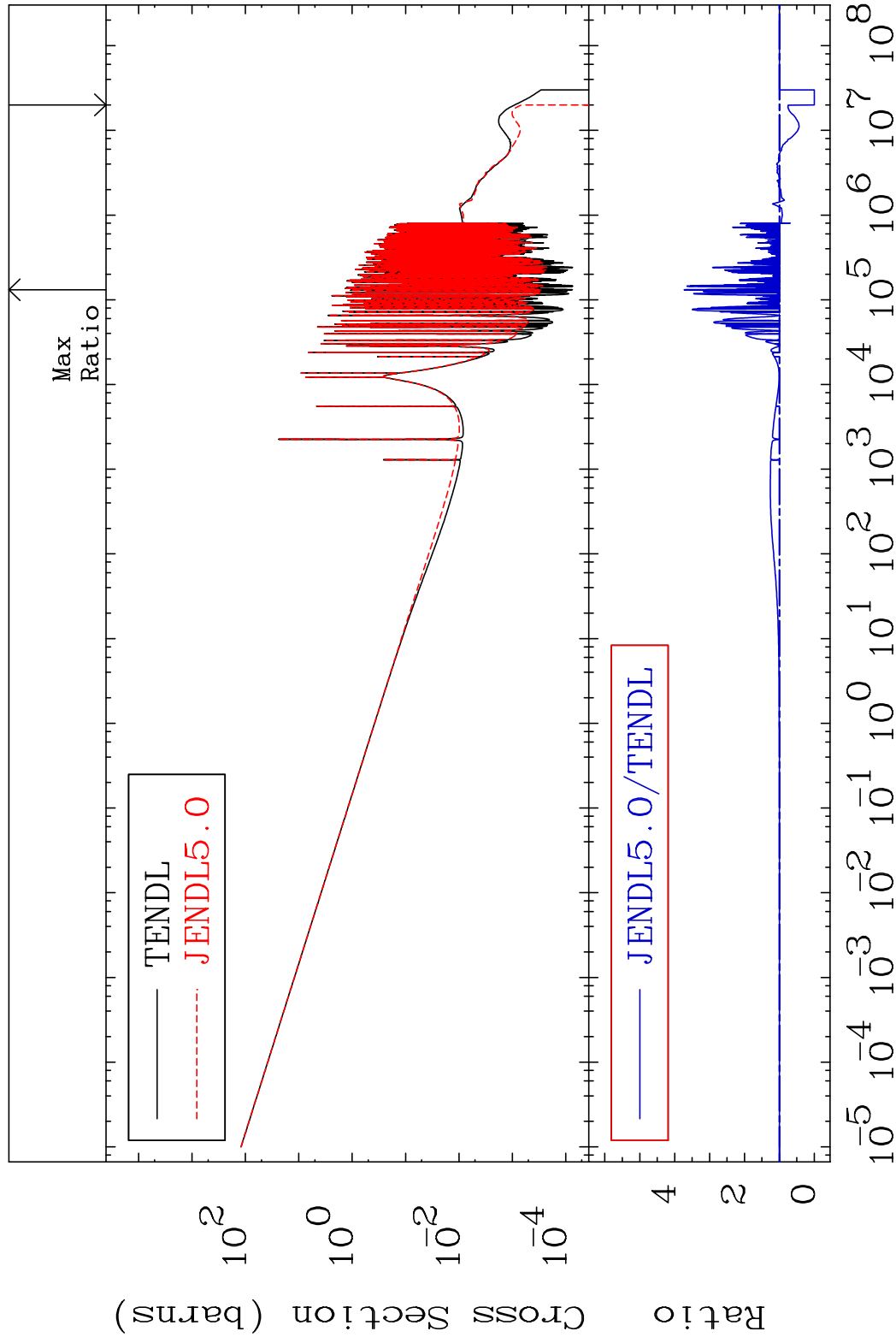


MAT 2831

(n,  $\gamma$ )

28-Ni-60

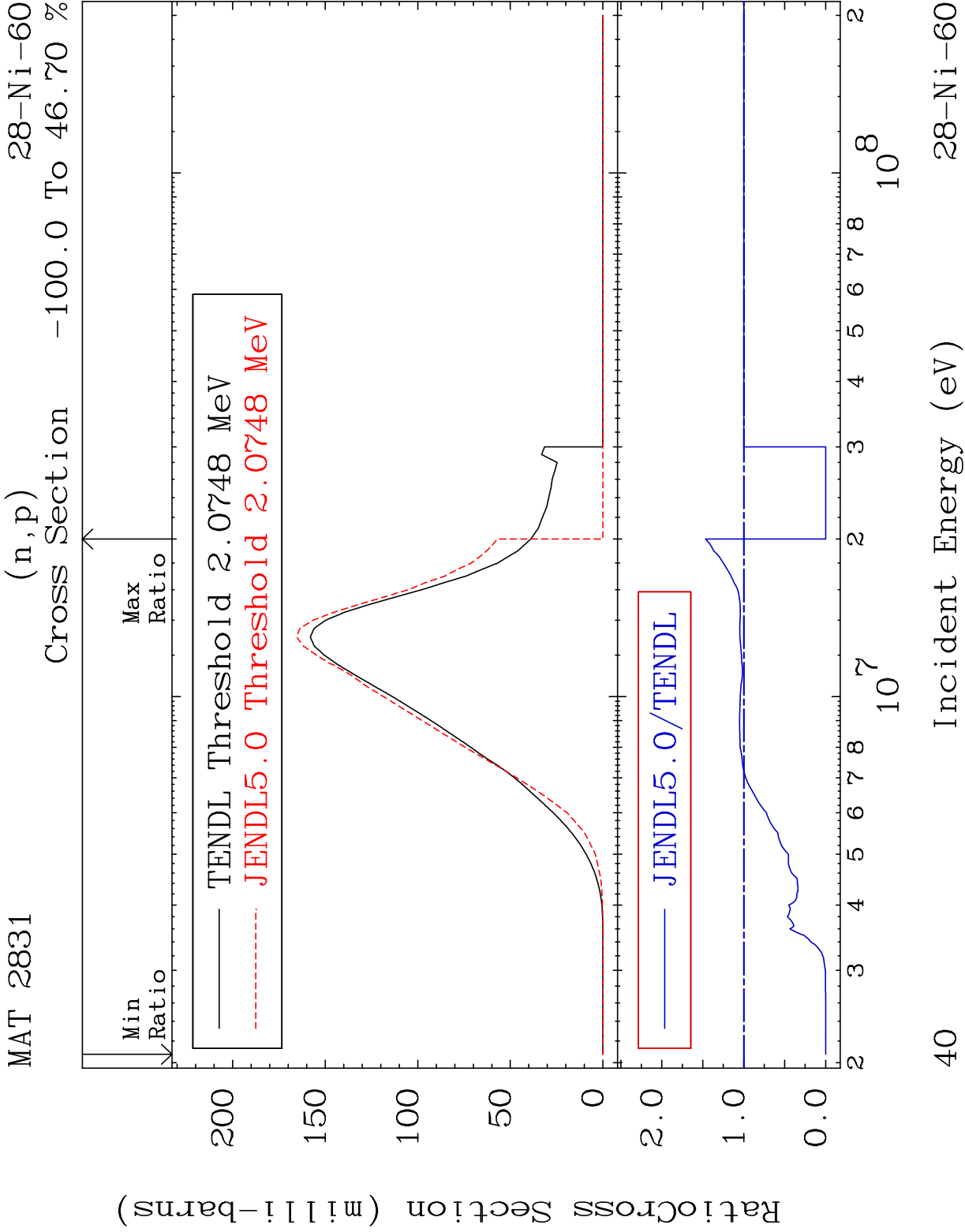
Cross Section -100.0 To 273.0 %



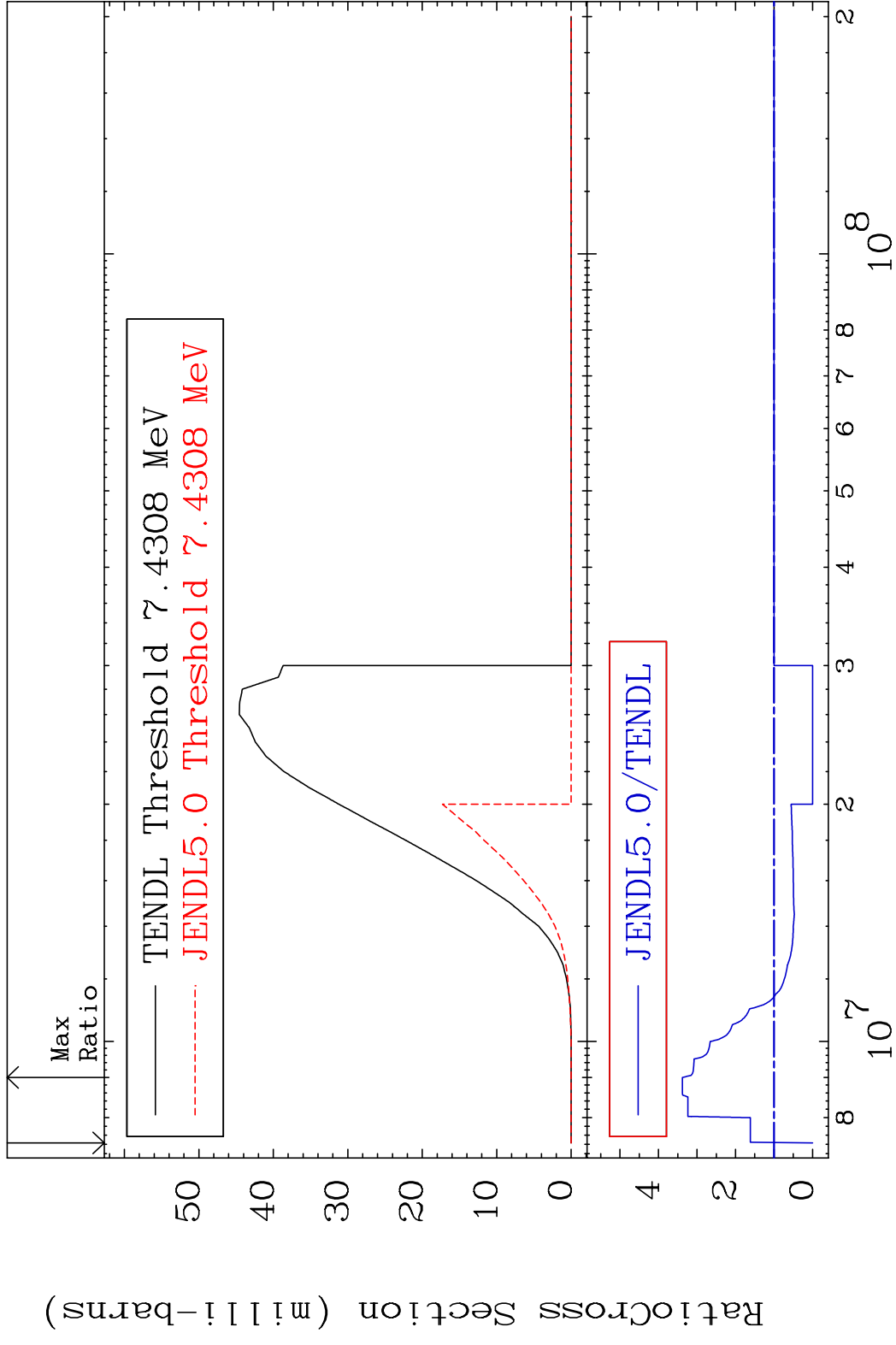
39

Incident Energy (eV)

28-Ni-60

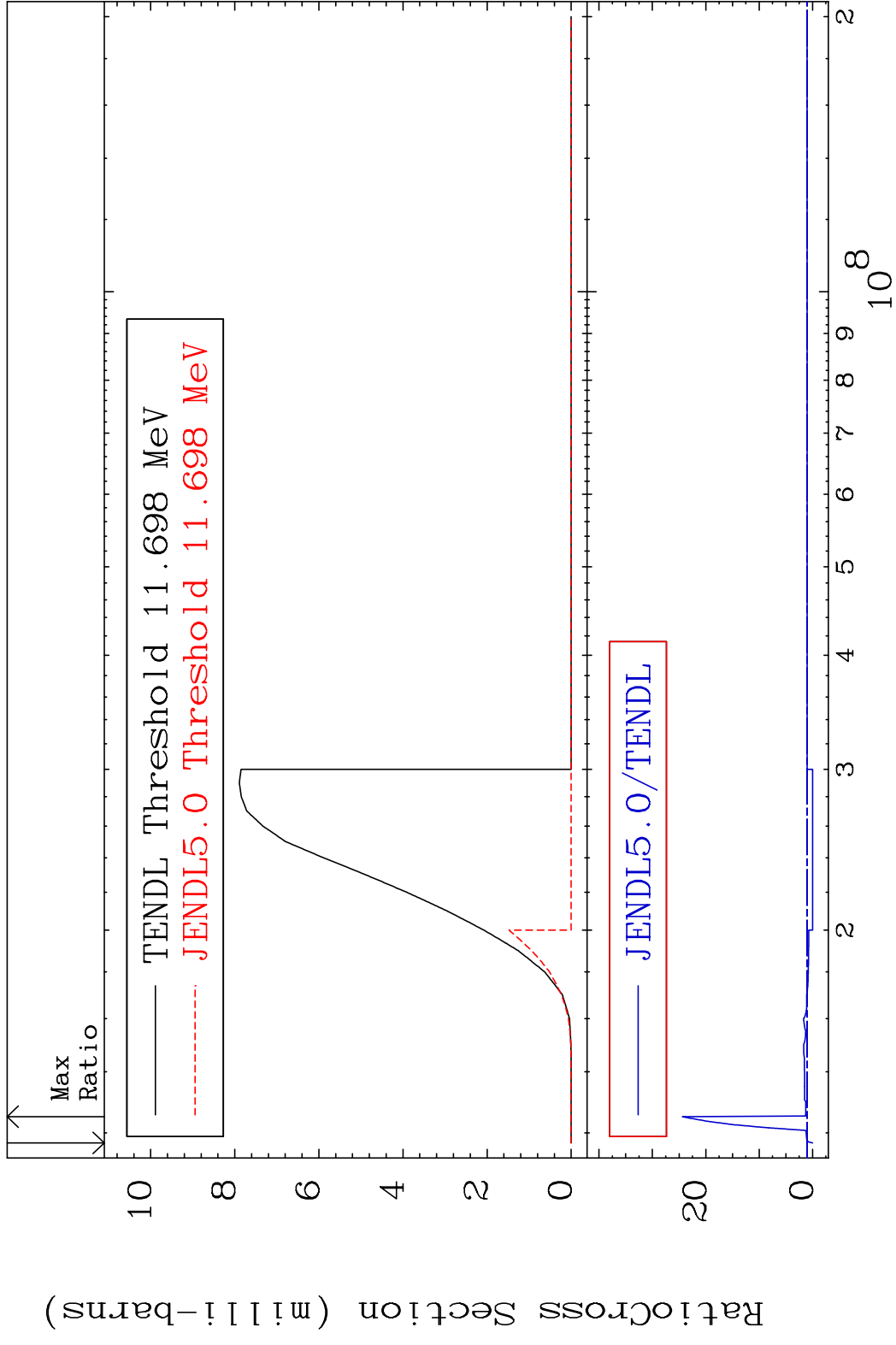


MAT 2831 (n,d) 28-Ni-60  
 Cross Section -100.0 To 238.0 %



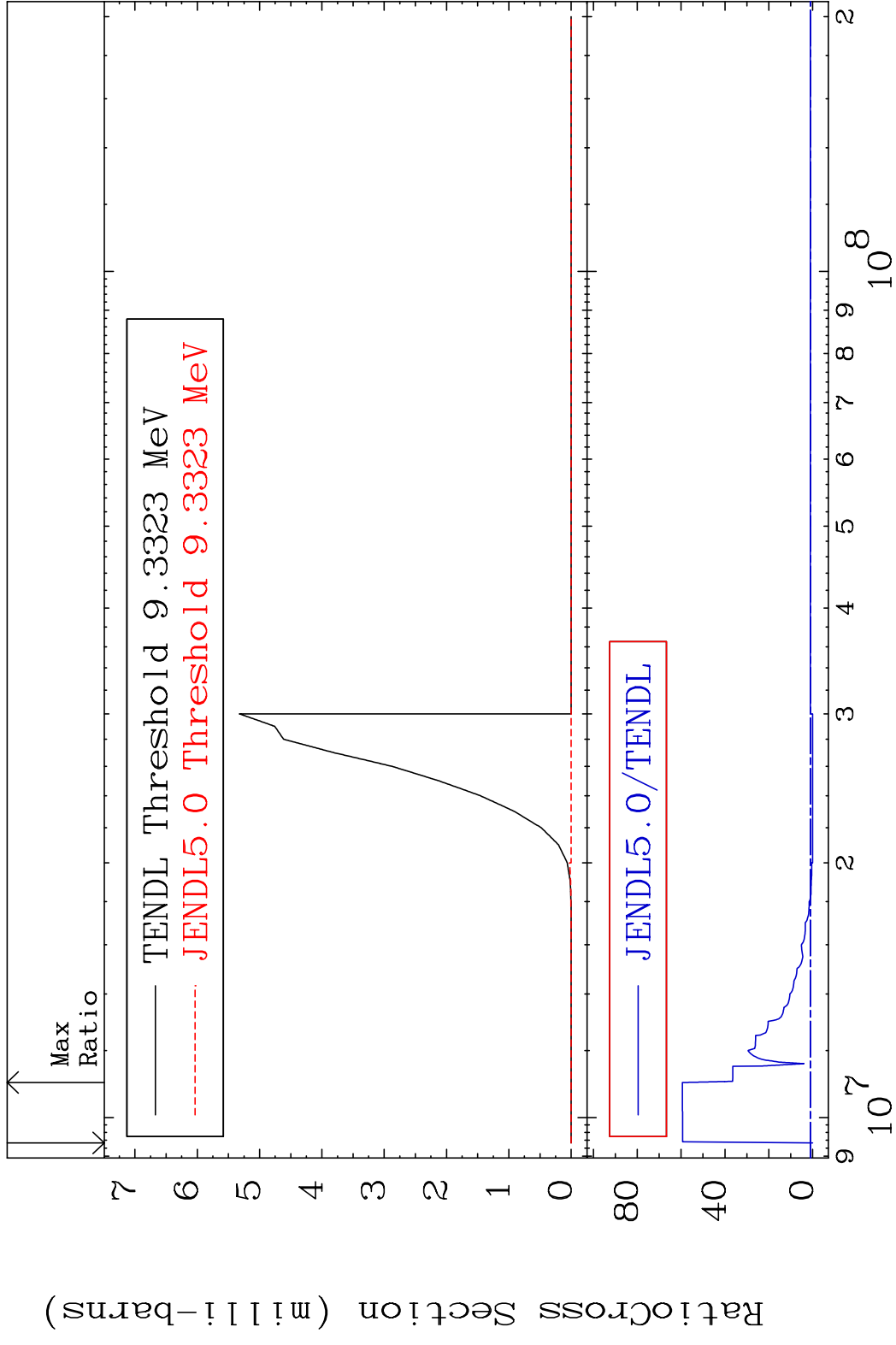
41 28-Ni-60

MAT 2831 (n, t) 28-Ni-60  
 Cross Section -100.0 To 2339. %



42 28-Ni-60

MAT 2831 (n, He-3) 28-Ni-60  
 Cross Section -100.0 To 5843. %



43 Incident Energy (eV) 28-Ni-60

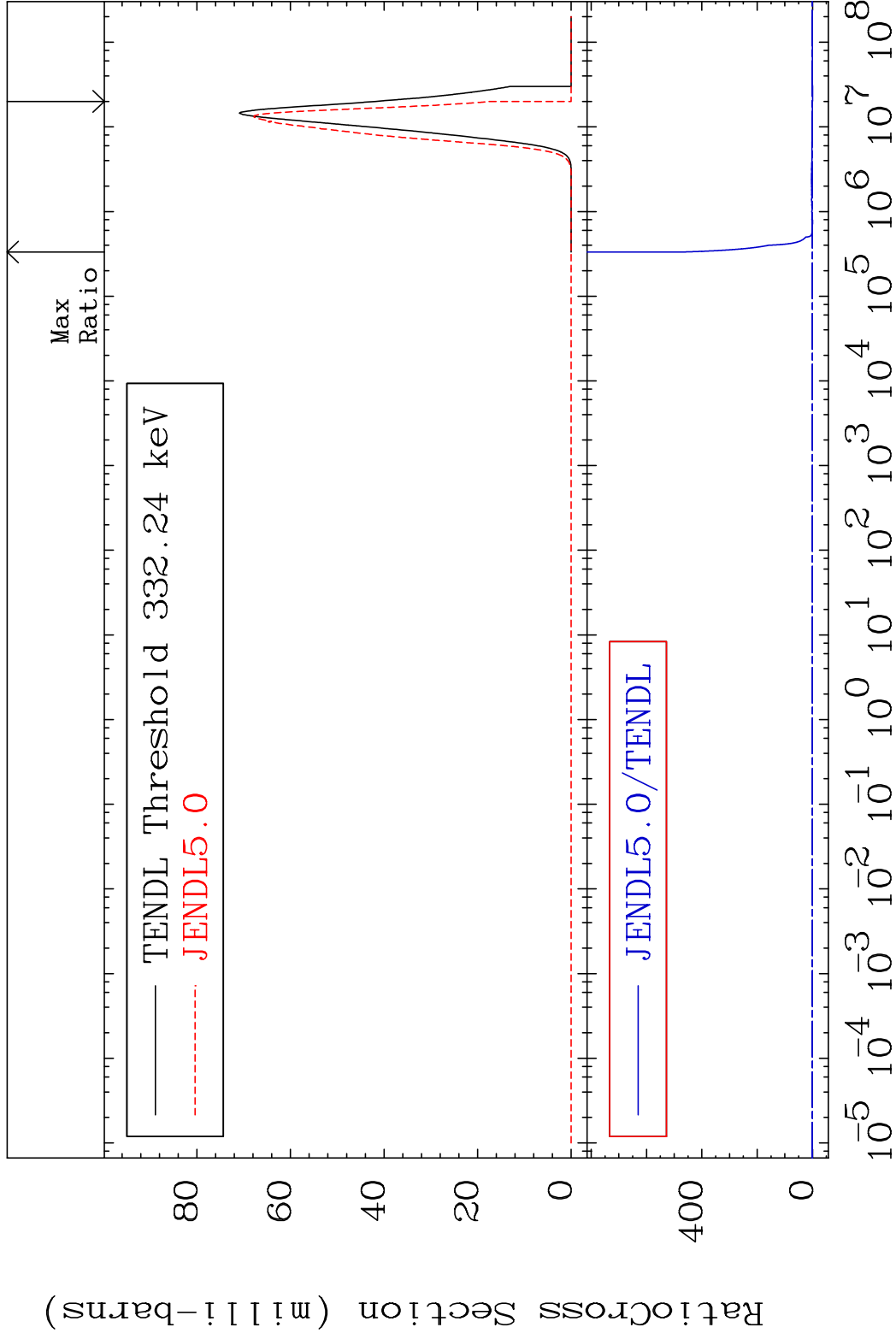
MAT 2831

(n,  $\alpha$ )

28-Ni-60

Cross Section

-100.0 To 9999. %

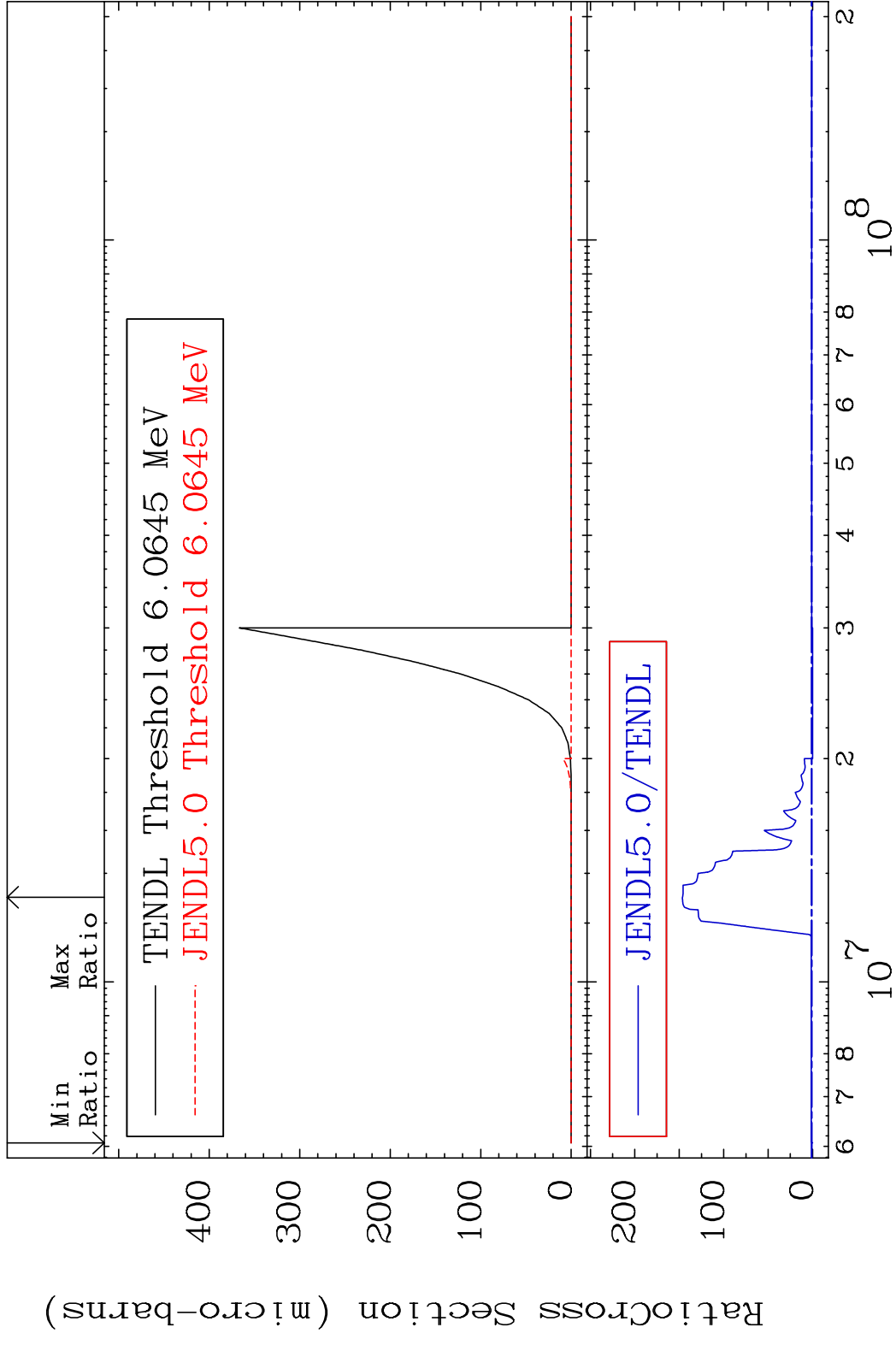


44

Incident Energy (eV)

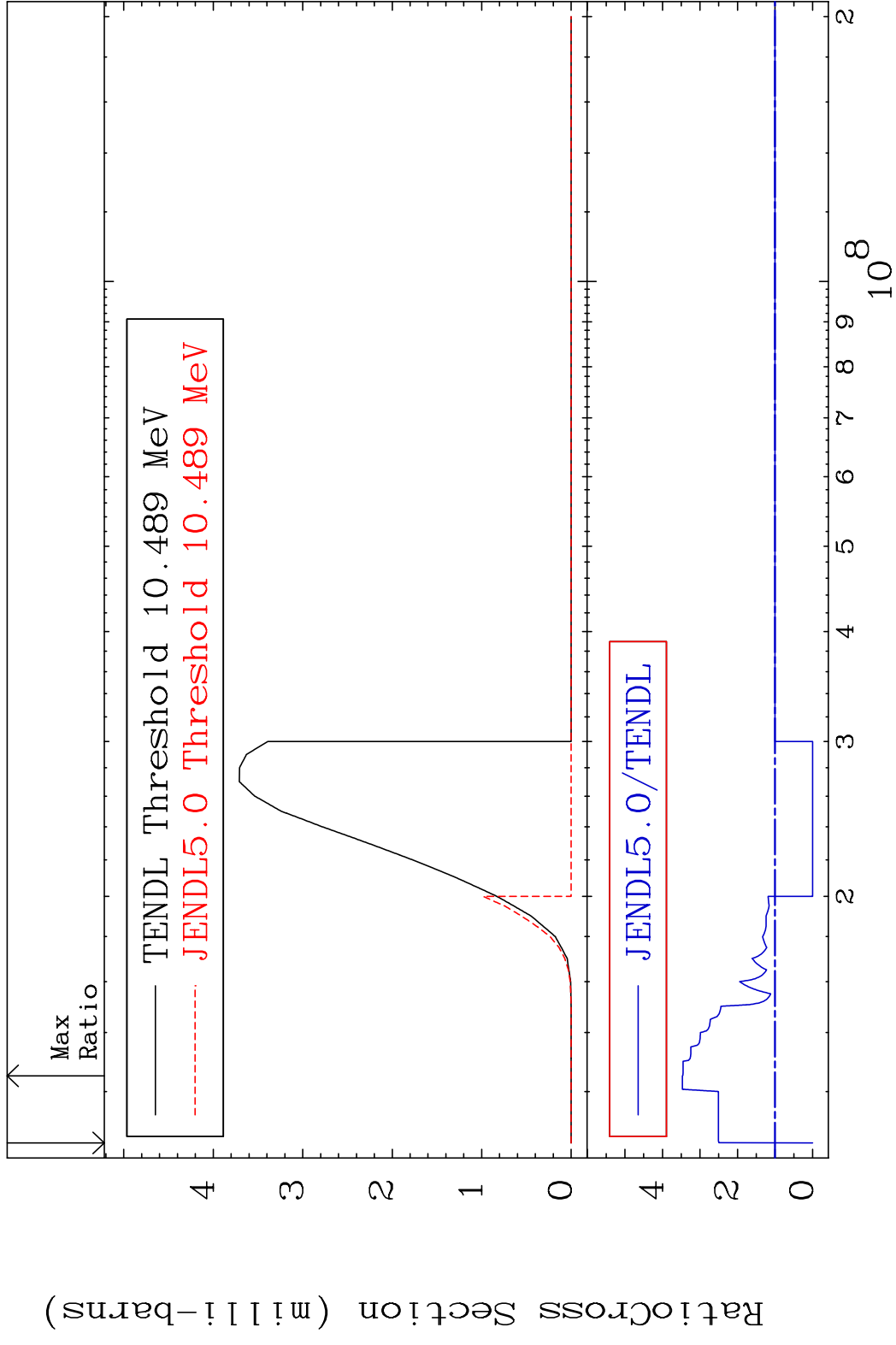
28-Ni-60

MAT 2831 (n,2α) 28-Ni-60  
 Cross Section -100.0 To 9999. %

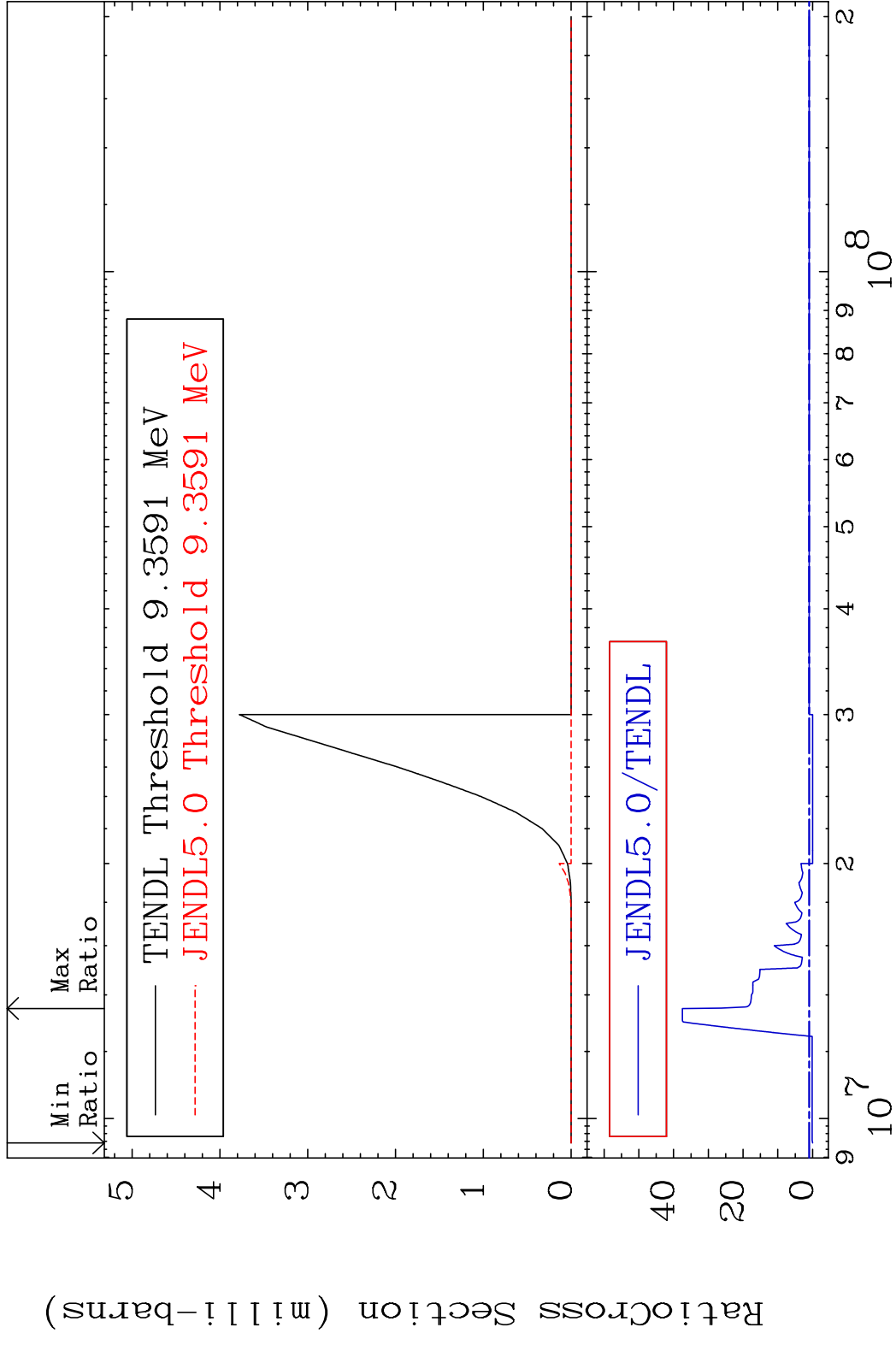


45 28-Ni-60

MAT 2831 (n,2p) 28-Ni-60  
 Cross Section -100.0 To 247.0 %

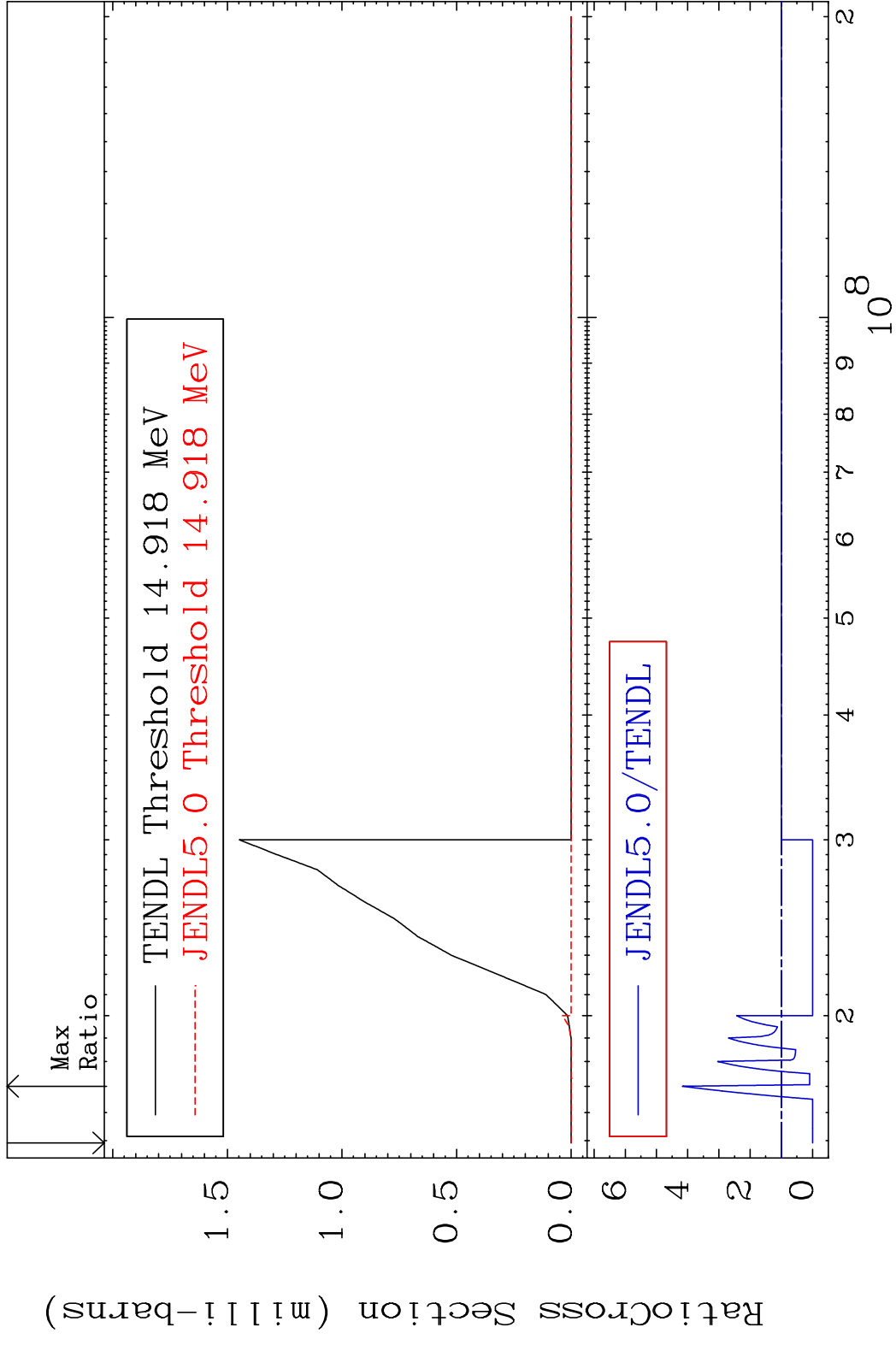


MAT 2831 (n,p)  $\alpha$  28-Ni-60  
 Cross Section -100.0 To 3648. %



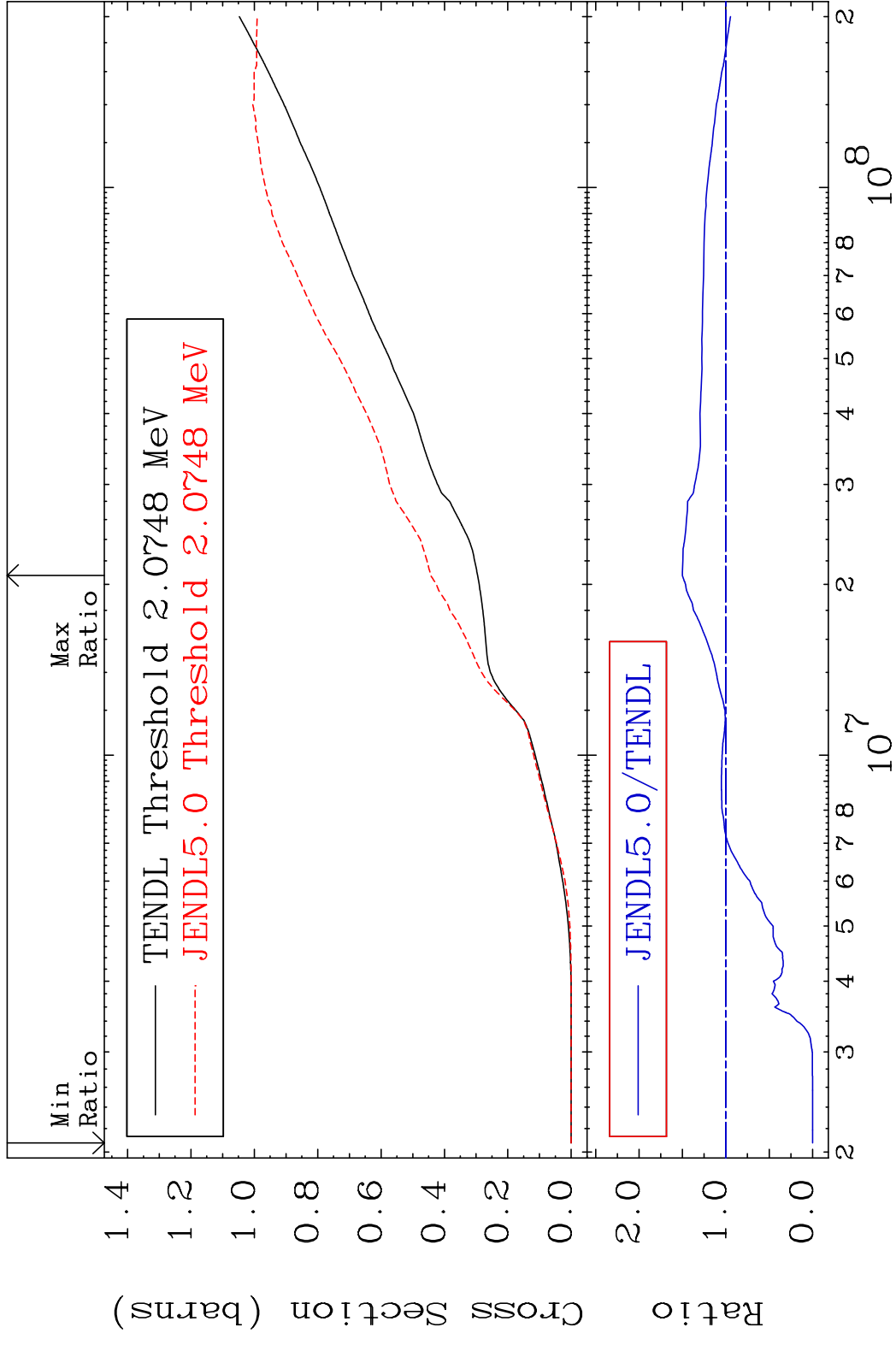
47 28-Ni-60

MAT 2831 (n,p) d 28-Ni-60  
 Cross Section -100.0 To 317.2 %

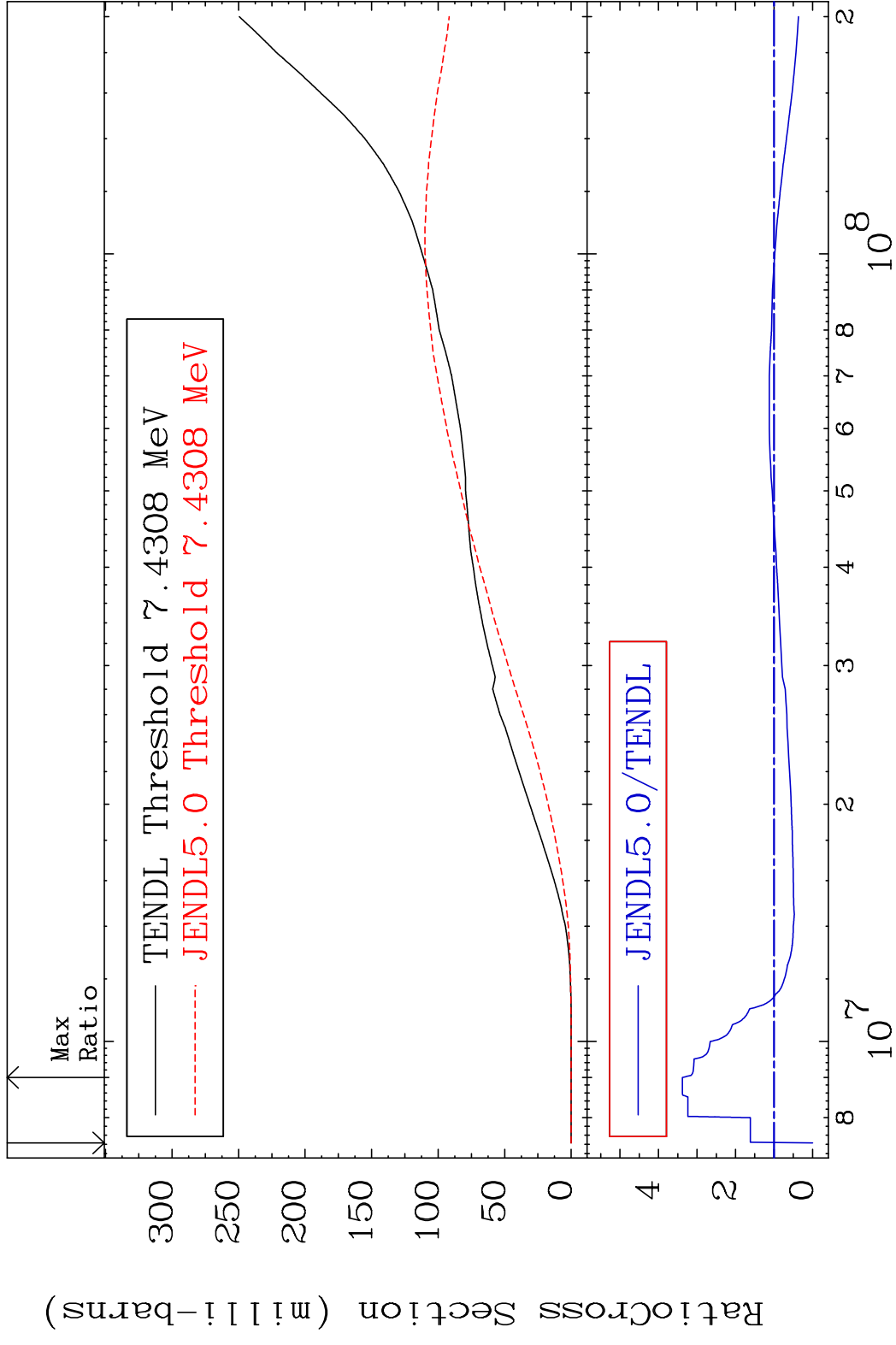


48 Incident Energy (eV) 28-Ni-60

MAT 2831 Hydrogen Production 28-Ni-60  
 Cross Section -100.0 To 50.08 %

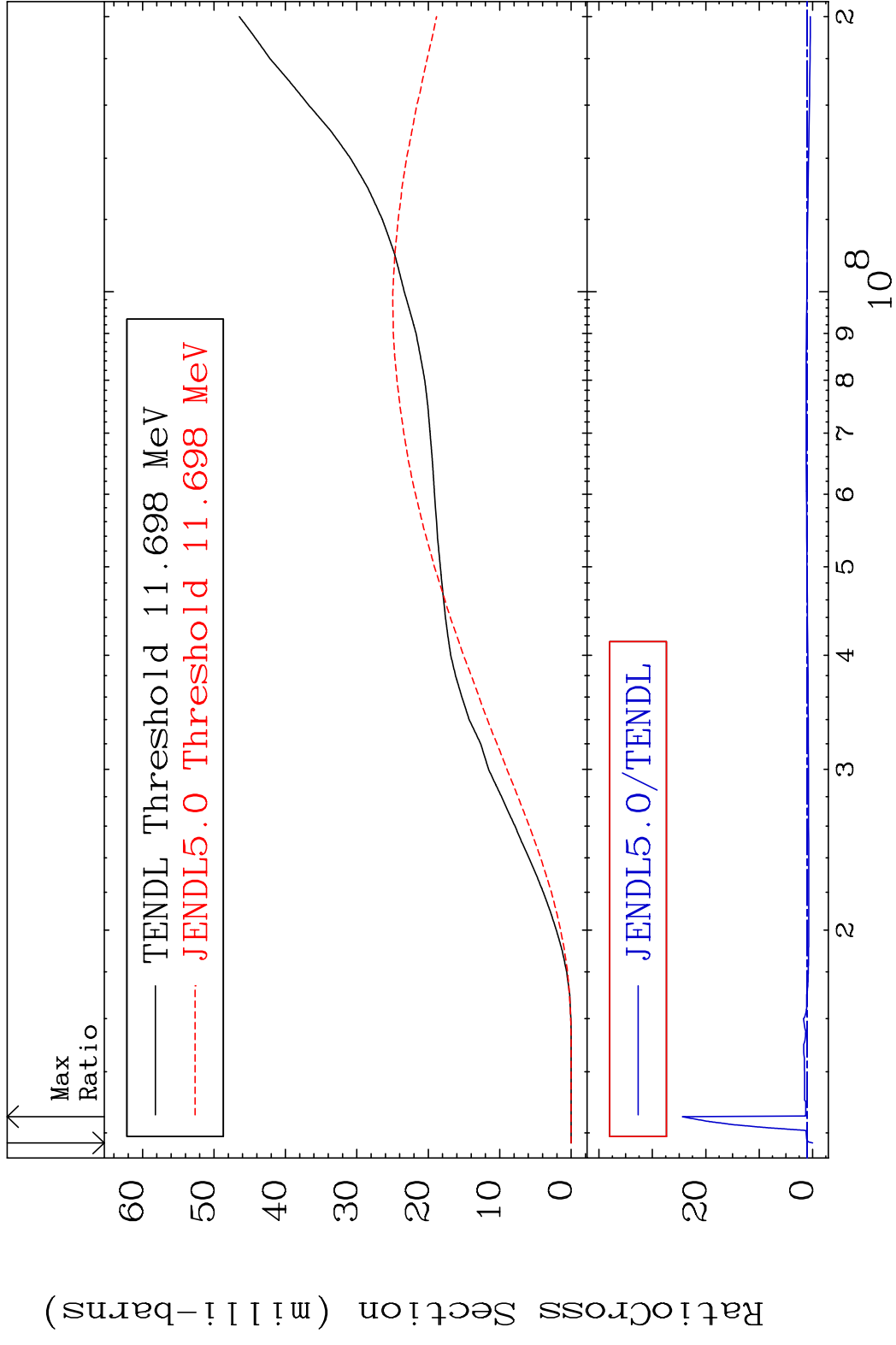


MAT 2831 Deuterium Production 28-Ni-60  
 Cross Section -100.0 To 238.0 %

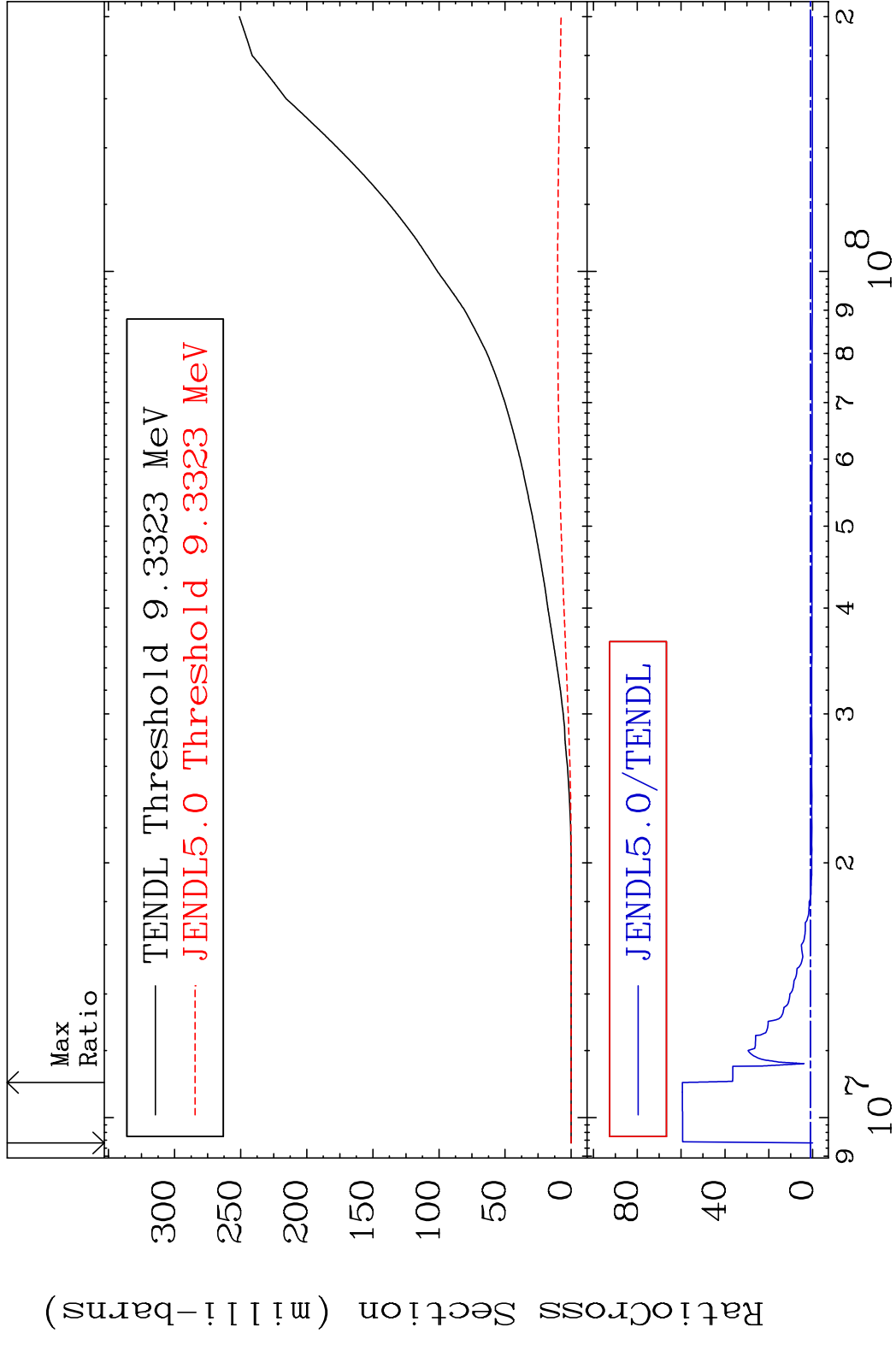


50 Incident Energy (eV) 28-Ni-60

MAT 2831 Tritium Production 28-Ni-60  
 Cross Section -100.0 To 2339. %



MAT 2831 He-3 Production 28-Ni-60  
 Cross Section -100.0 To 5843. %



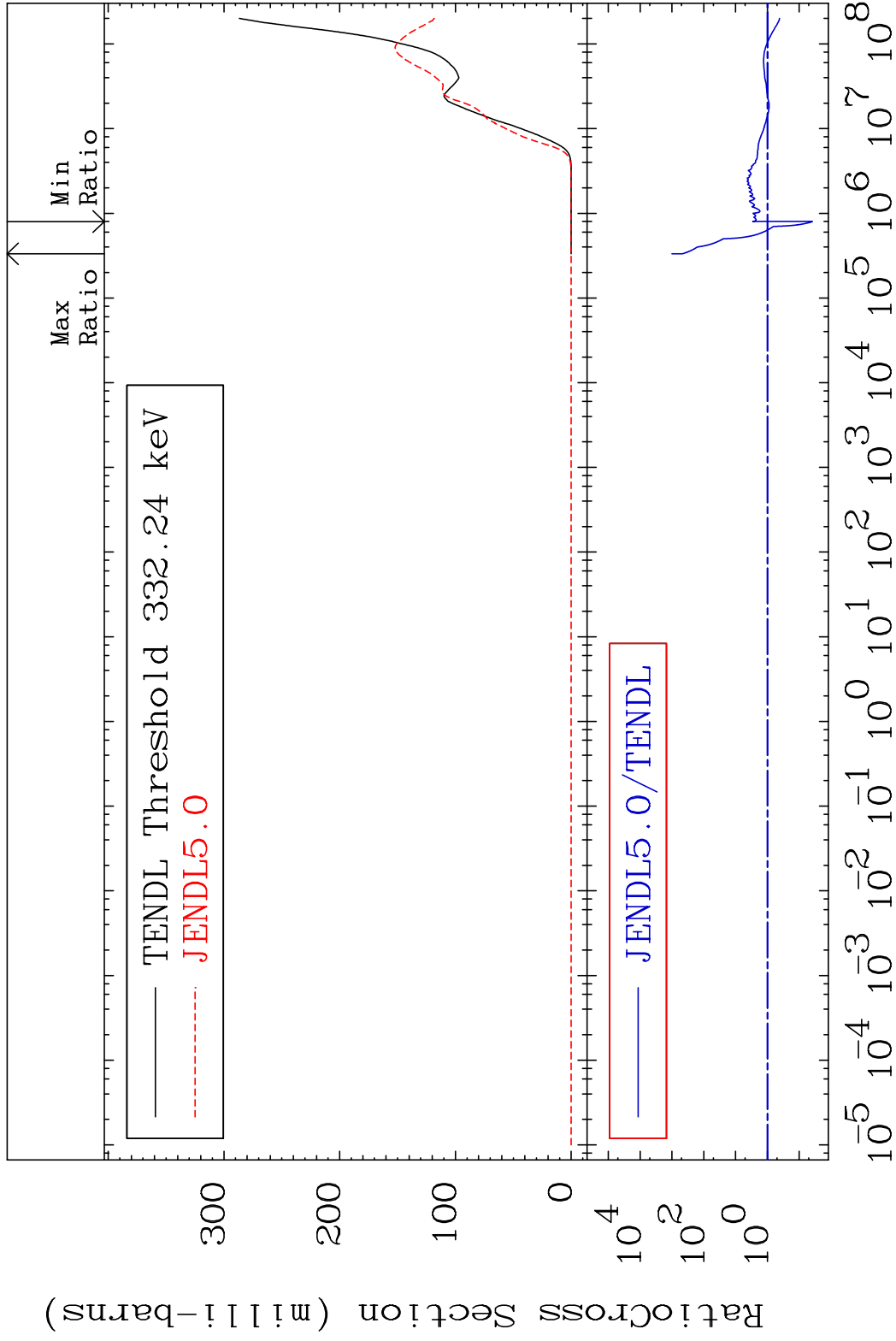
52 Incident Energy (eV) 28-Ni-60

MAT 2831

He-4 Production

28-Ni-60

Cross Section -96.19 To 9999. %

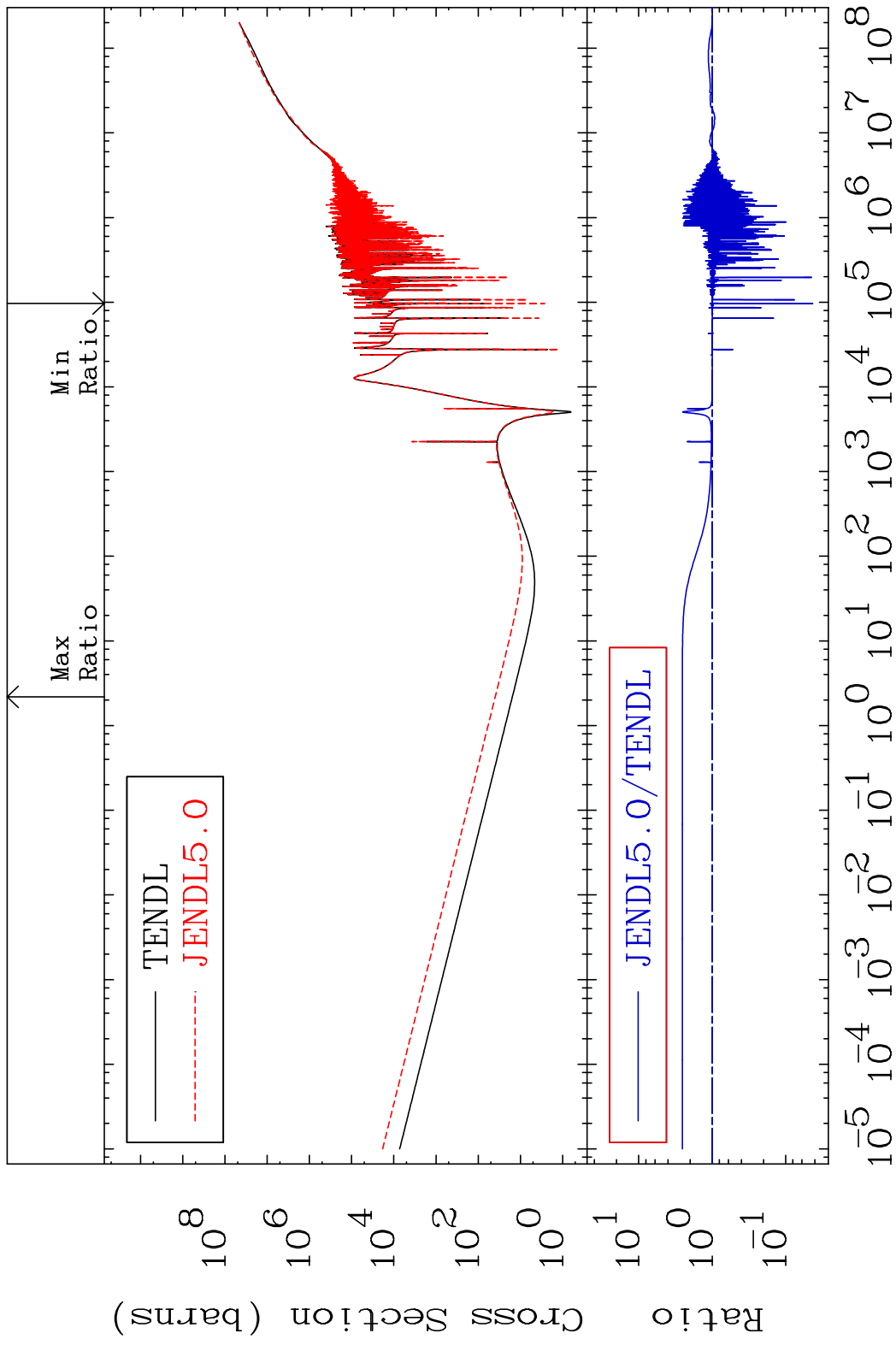


53

Incident Energy (eV)

28-Ni-60

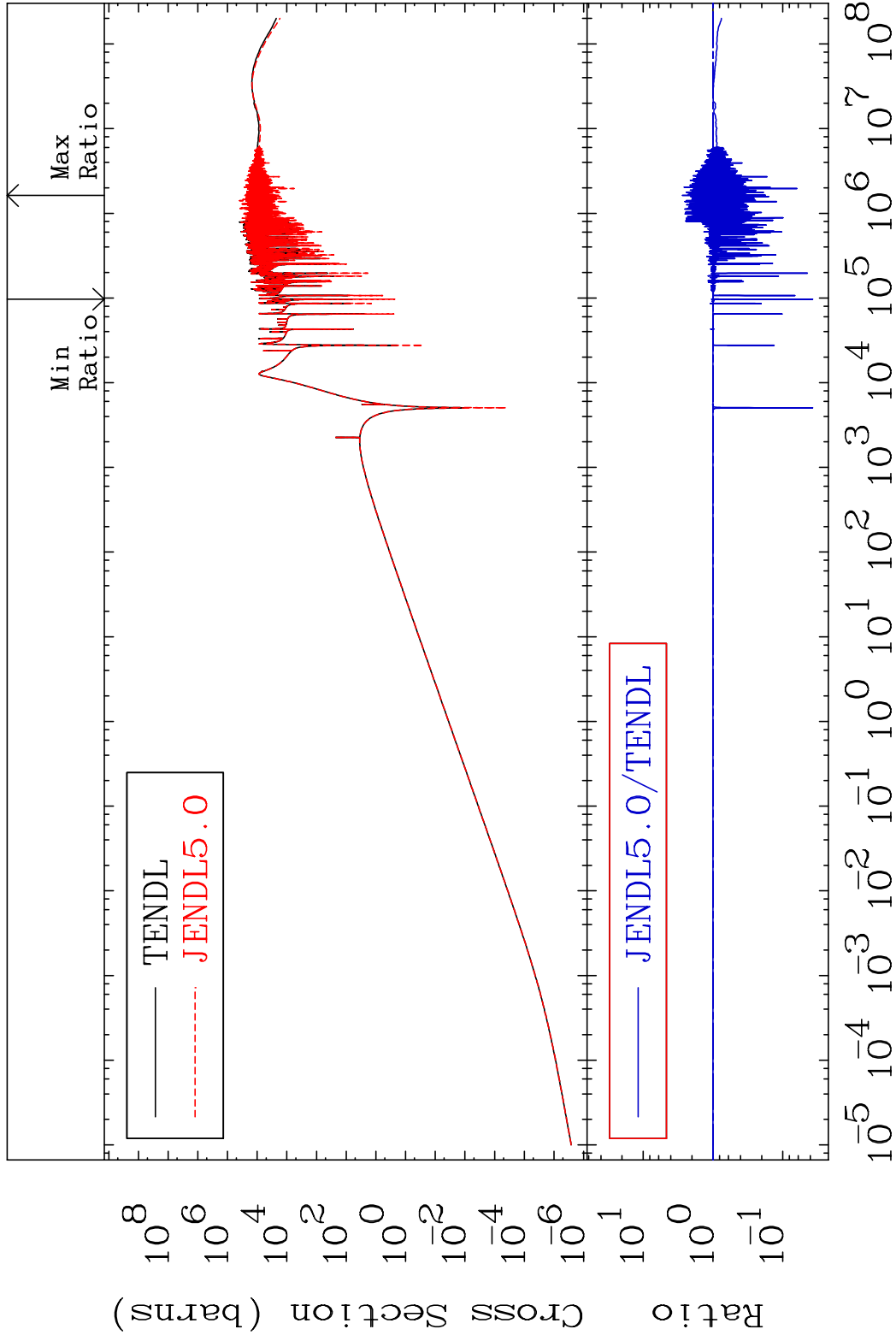
MAT 2831 Kerma total (eV-barns) 28-Ni-60  
 Cross Section -95.69 To 154.6 %



MAT 2831

Kerma elastic  
Cross Section

28-Ni-60  
-96.27 To 173.7 %

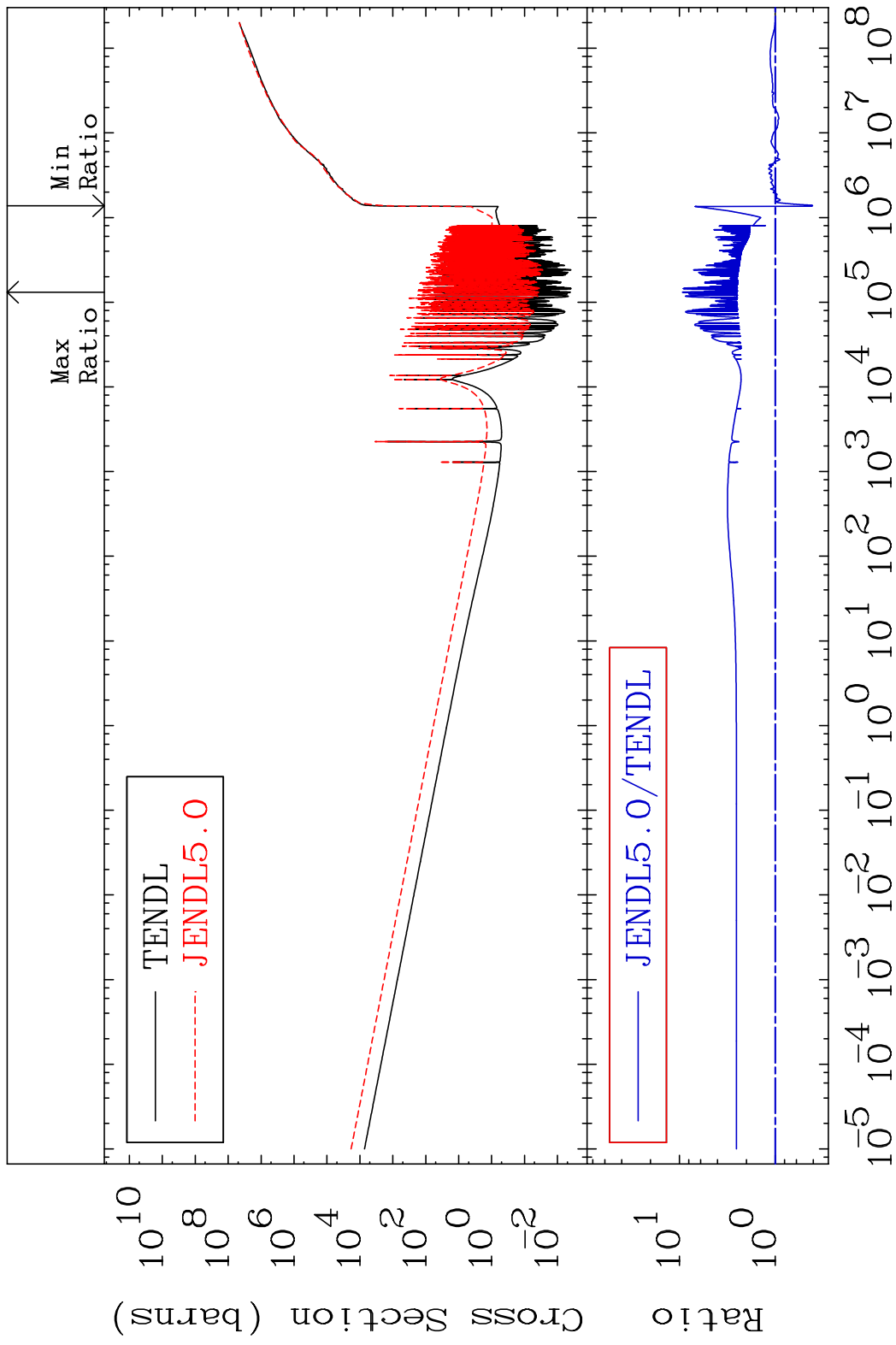


55

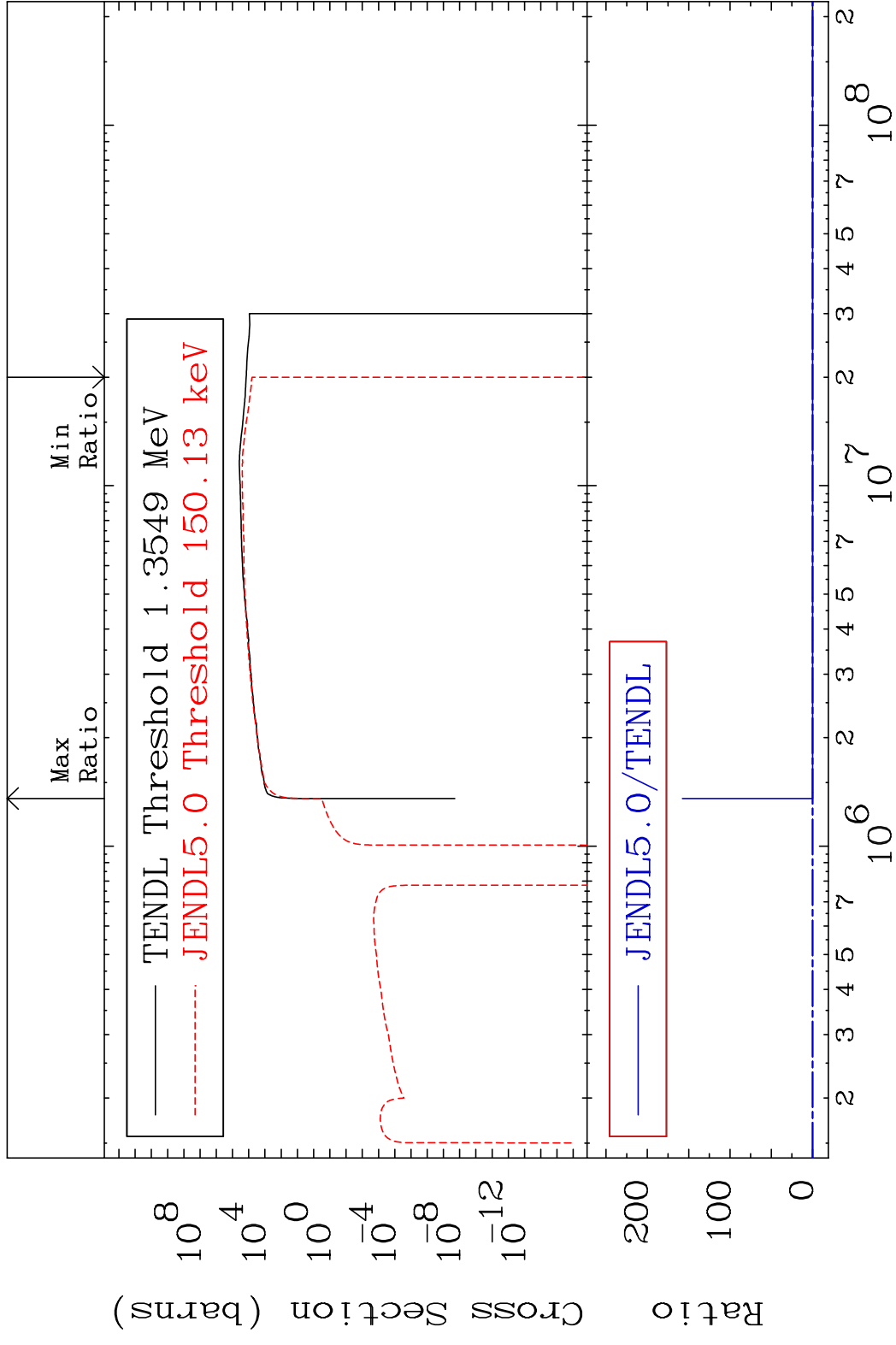
Incident Energy (eV)

28-Ni-60

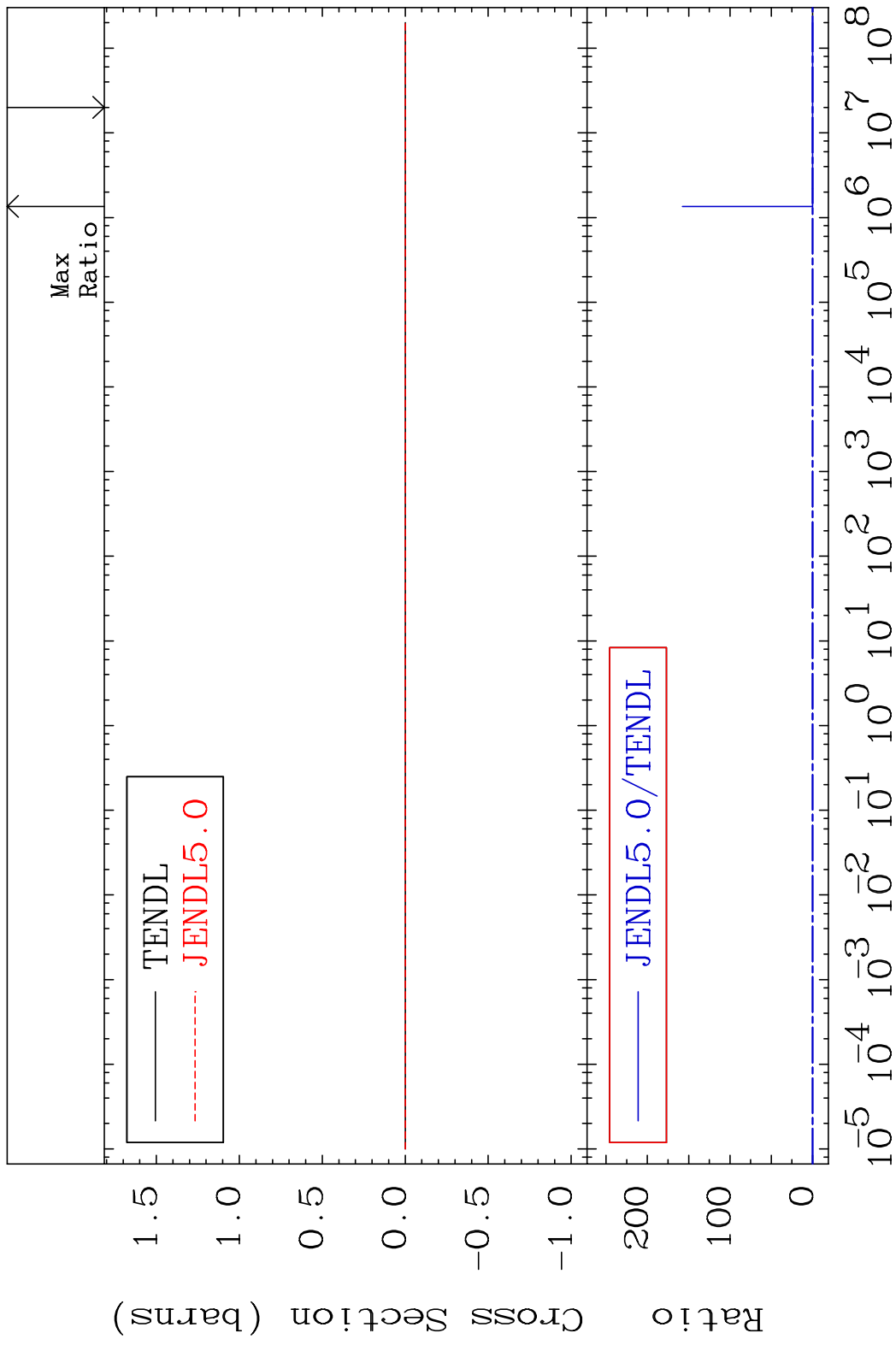
MAT 2831 Kerma non-elastic (all but mt2) 28-Ni-60  
 Cross Section -59.24 To 830.9 %



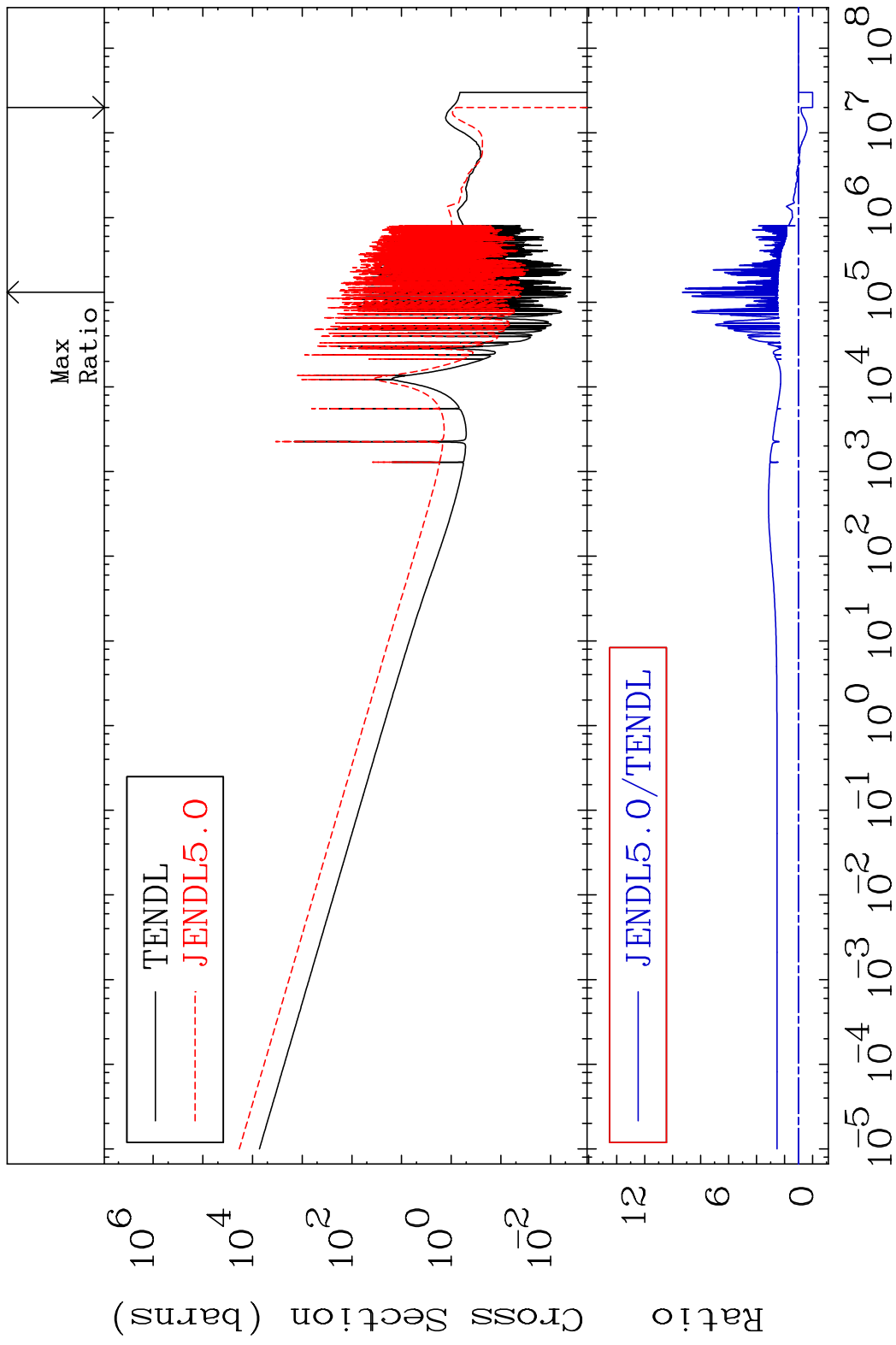
MAT 2831 Kerma inelastic (mt51-91) 28-Ni-60  
 Cross Section -100.0 To 9999. %



MAT 2831 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-60  
 Cross Section -100.0 To 9999. %

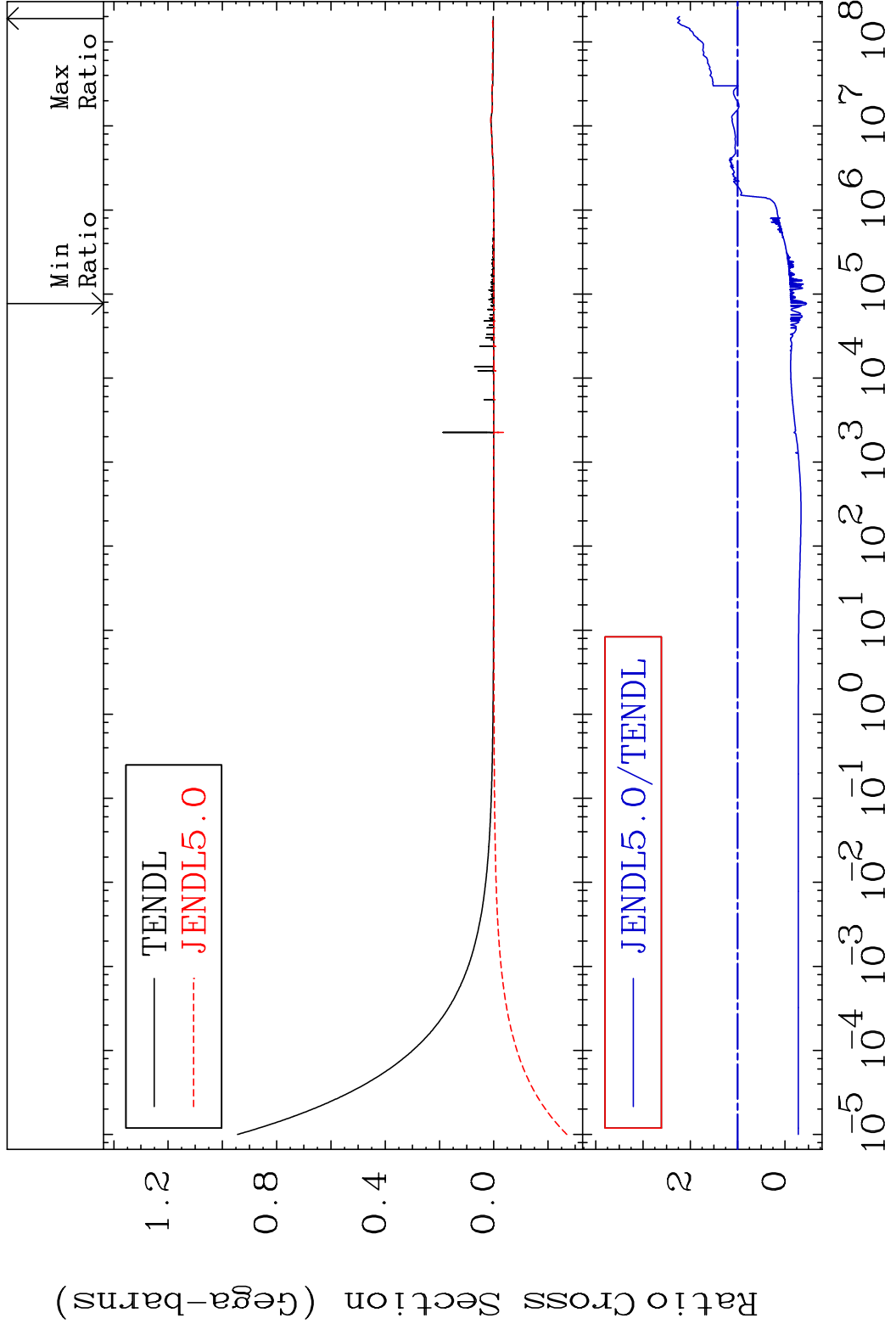


MAT 2831 Kerma capture (mt102) 28-Ni-60  
 Cross Section -100.0 To 830.9 %

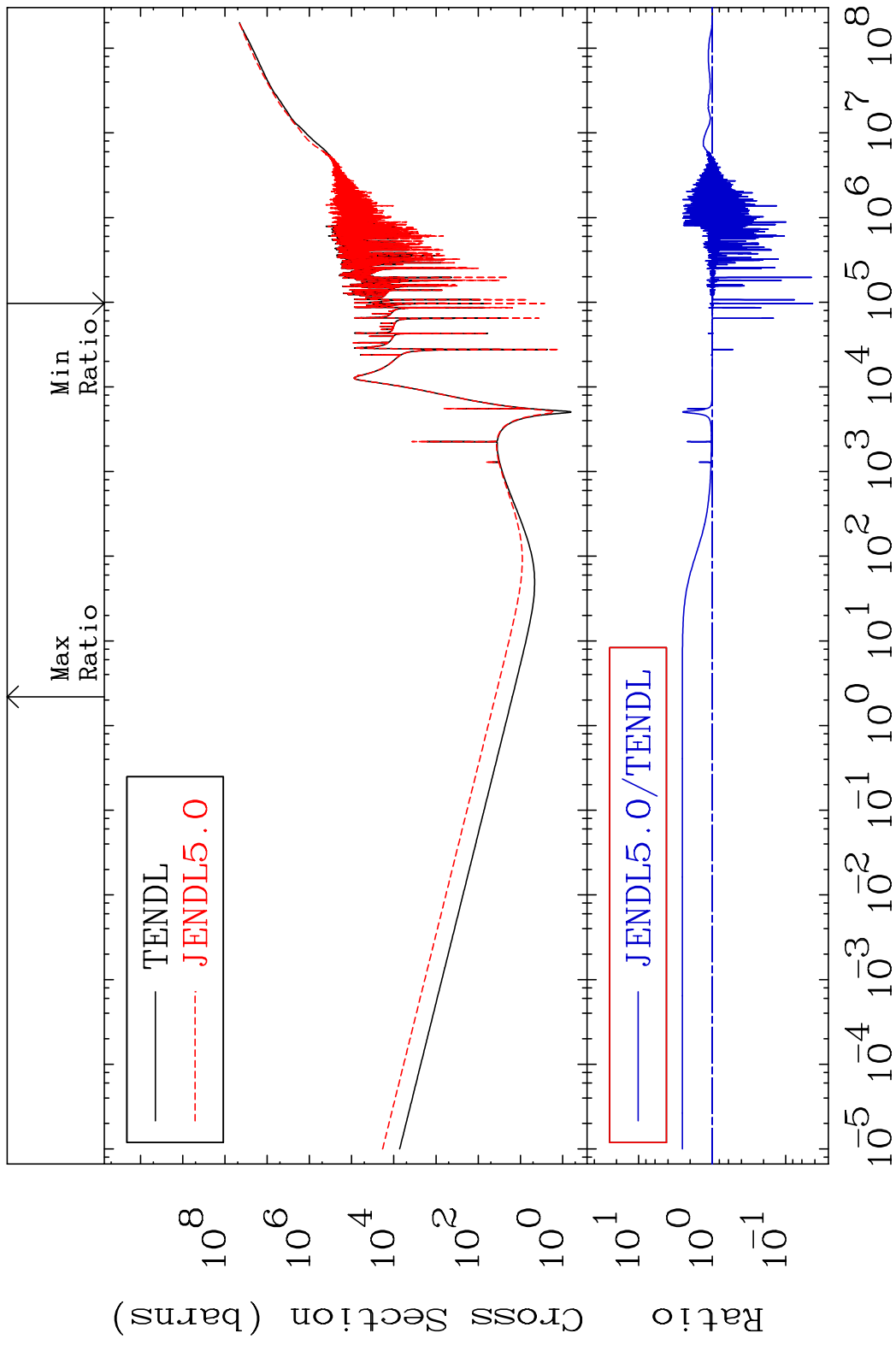


59 Incident Energy (eV) 28-Ni-60

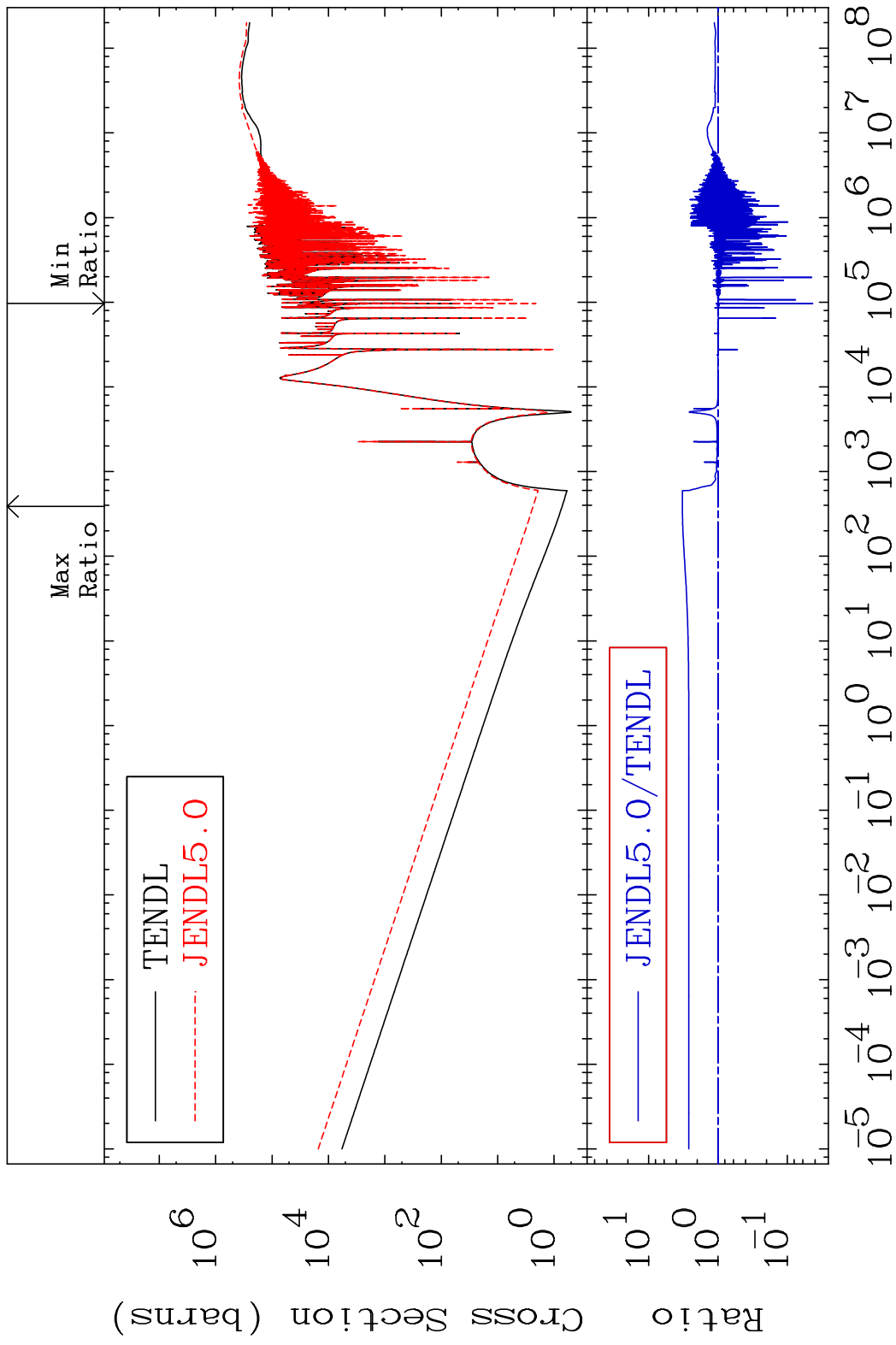
MAT 2831 Total photon (eV-barns) 28-Ni-60  
Cross Section -145.5 To 127.7 %



MAT 2831 Total kinematic kerma (high limit) 28-Ni-60  
 Cross Section -95.69 To 154.6 %



MAT 2831      Dpa total (eV-barns)      28-Ni-60  
 Cross Section      -95.66 To 226.9 %



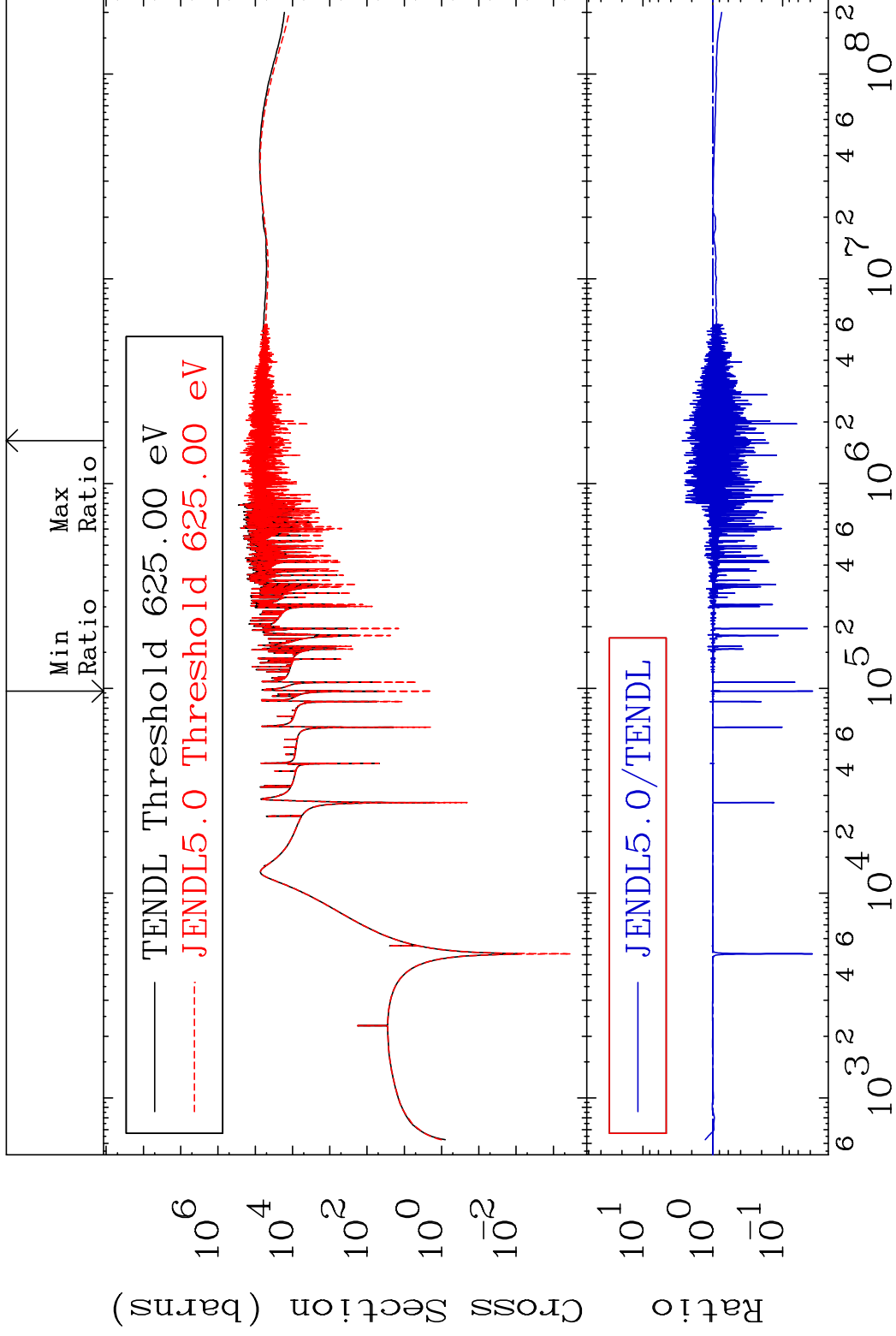
62      Incident Energy (eV)      28-Ni-60

MAT 2831

Dpa elastic (mt2)

28-Ni-60

Cross Section -96.27 To 174.1 %

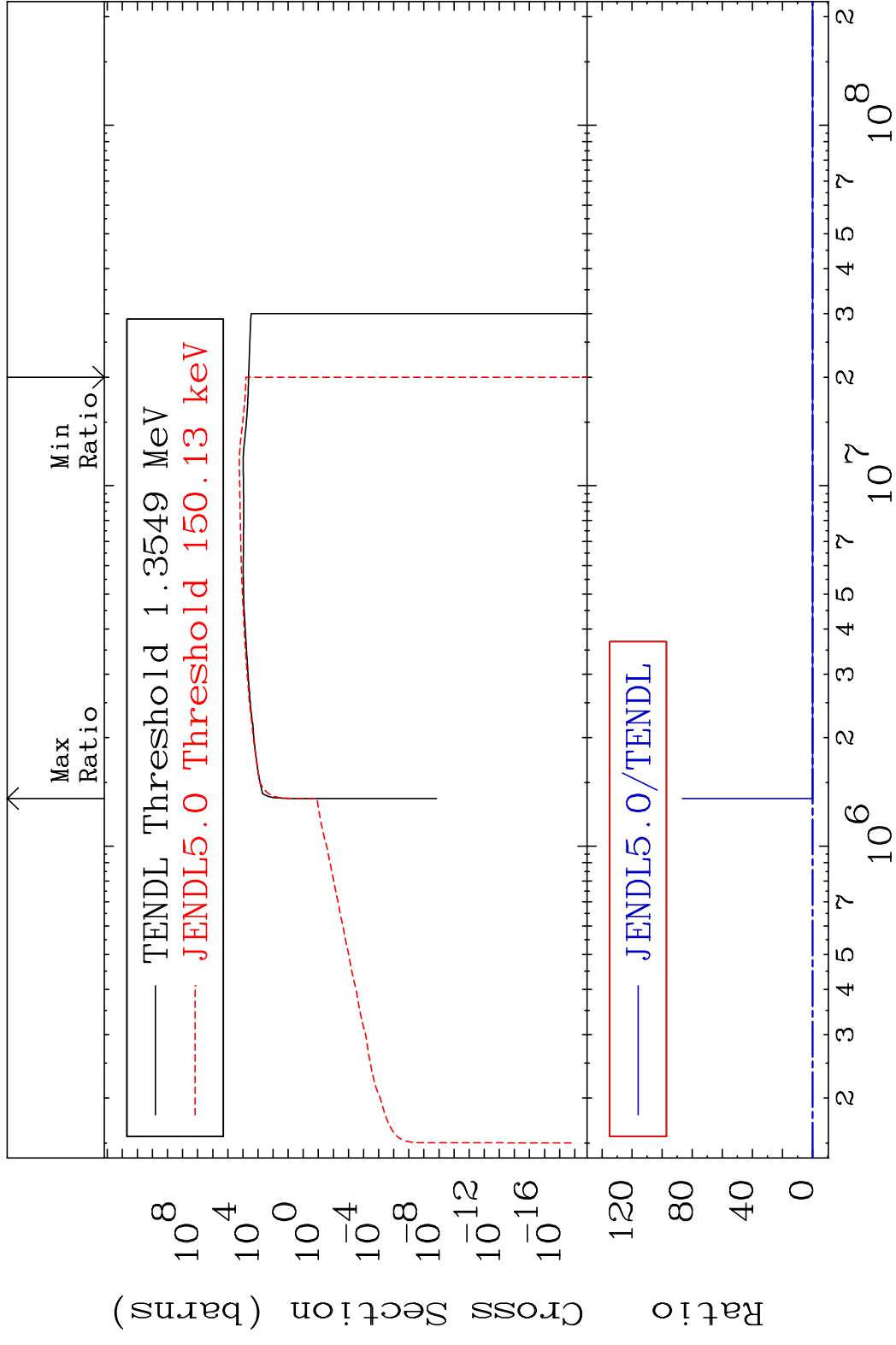


63

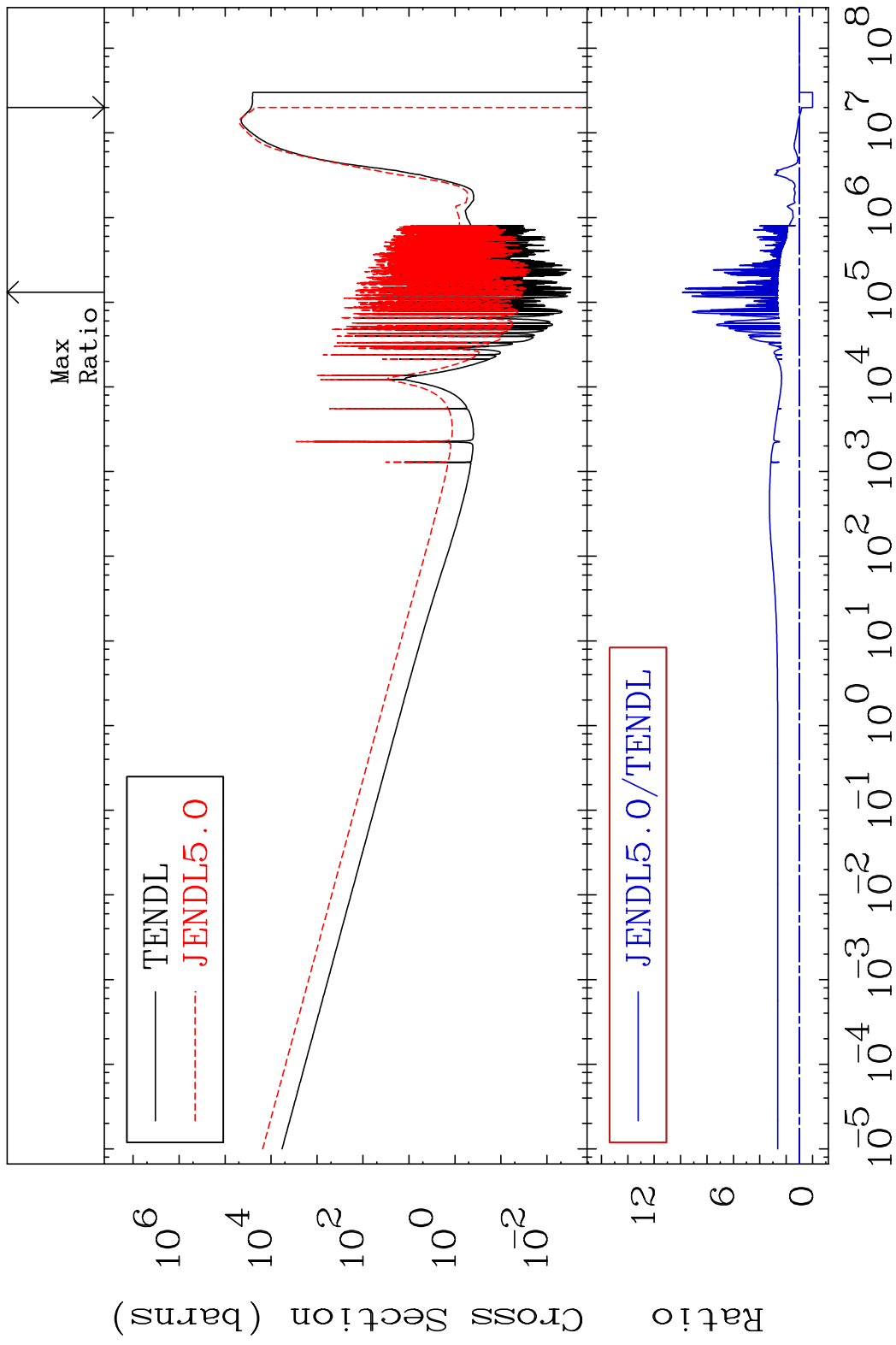
Incident Energy (eV)

28-Ni-60

MAT 2831 Dpa inelastic (mt51-91) 28-Ni-60  
 Cross Section -100.0 To 9999. %

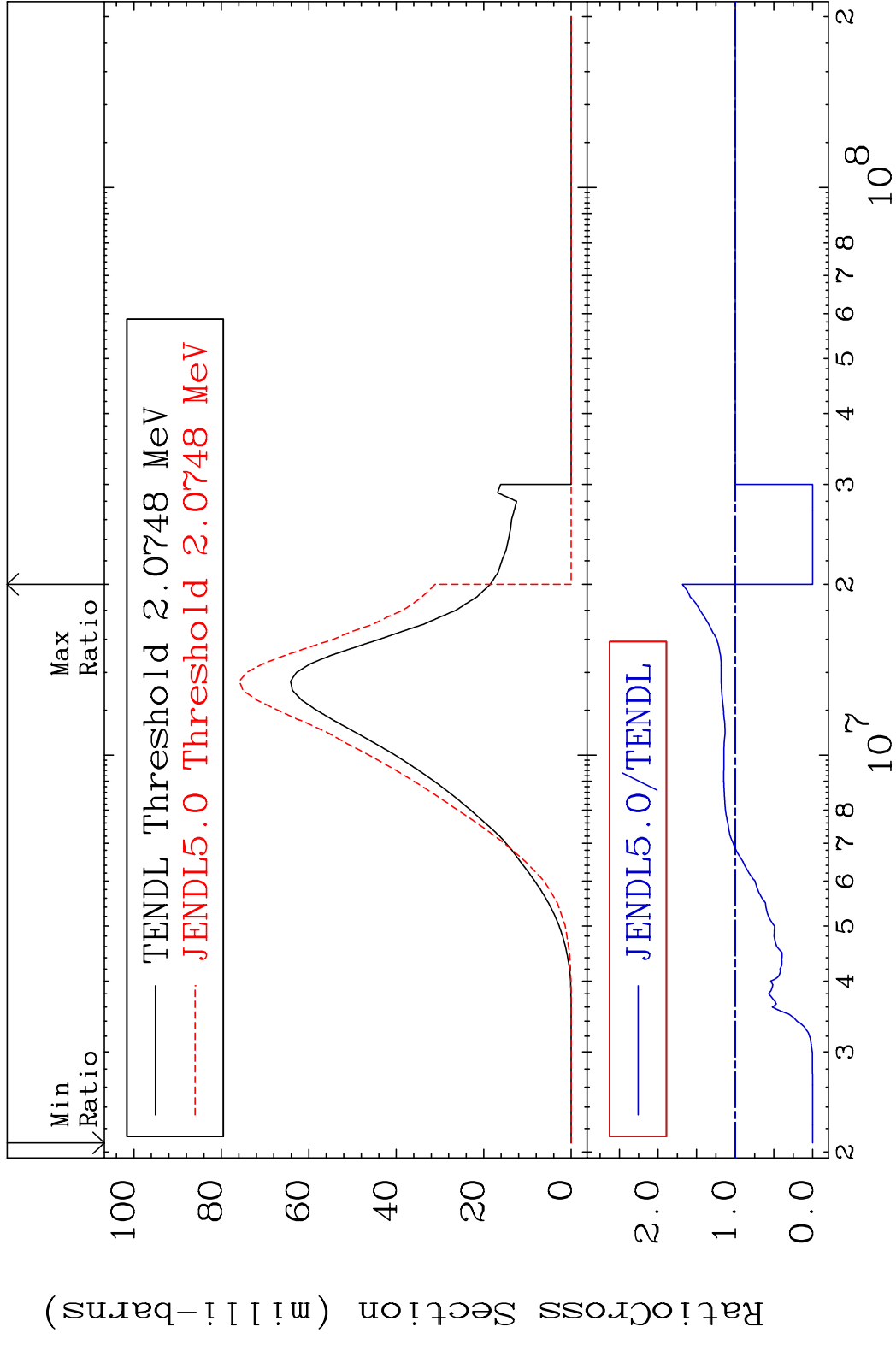


MAT 2831 Dpa disappearance (mt102 -120) 28-Ni-60  
 Cross Section -100.0 To 886.5 %

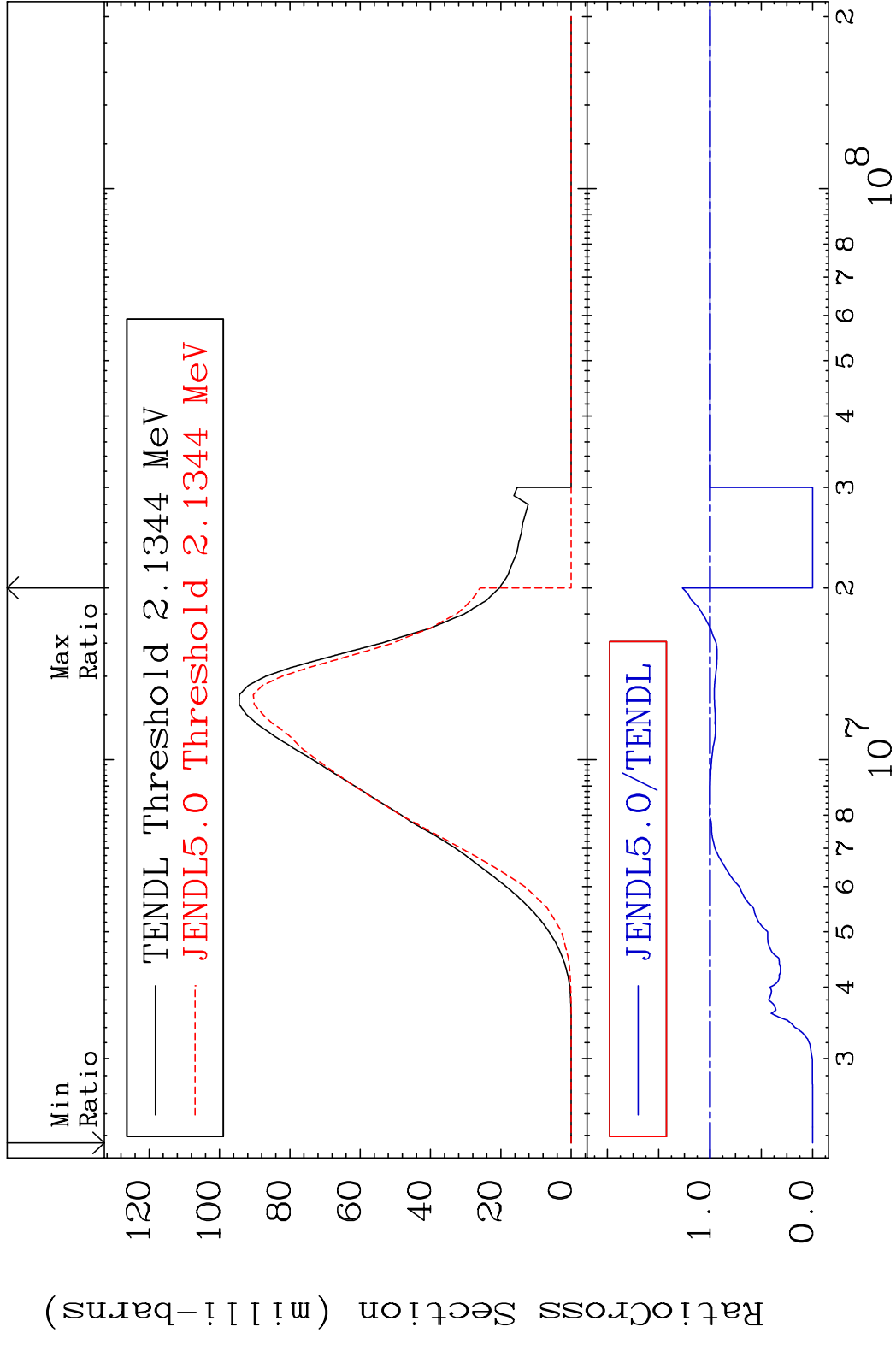


65 Incident Energy (eV) 28-Ni-60

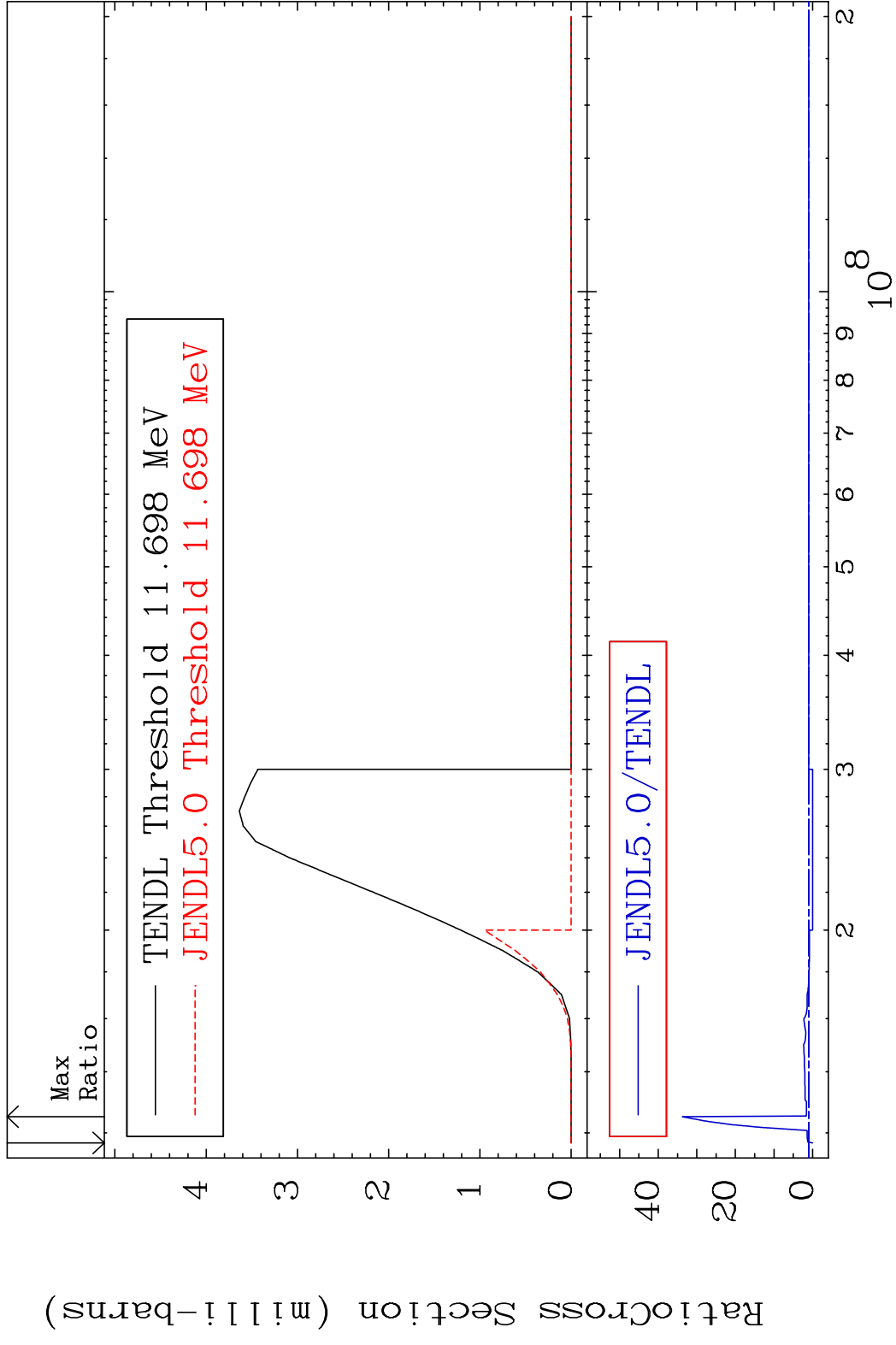
MAT 2831 (n, p): 27-Co-60g 28-Ni-60  
 Radionuclide Production Cross Section Ratio



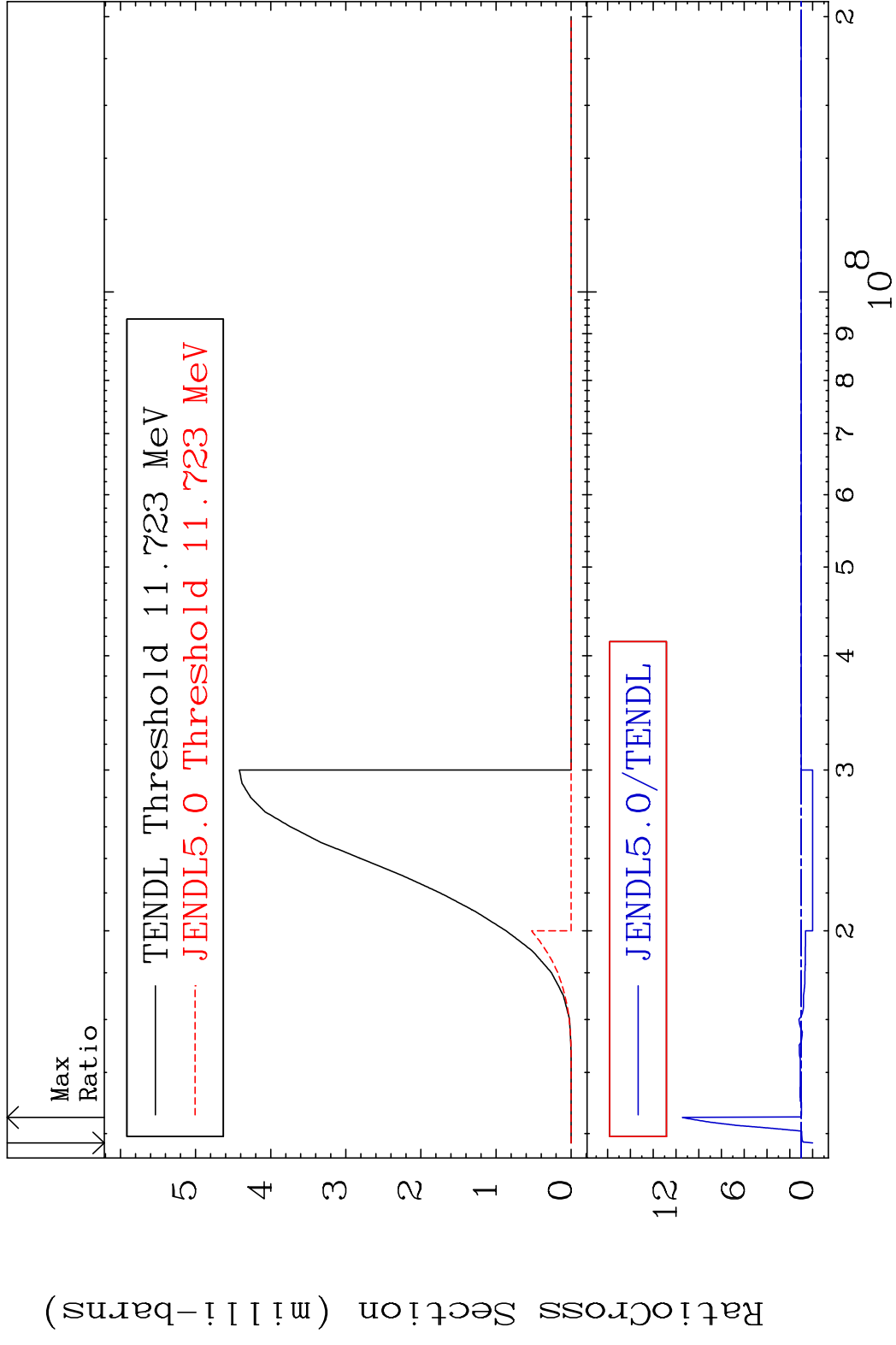
MAT 2831 (n,p):27-Co-60m1 28-Ni-60  
 Radionuclide Production Cross Section 180.01 dth 26.95 %



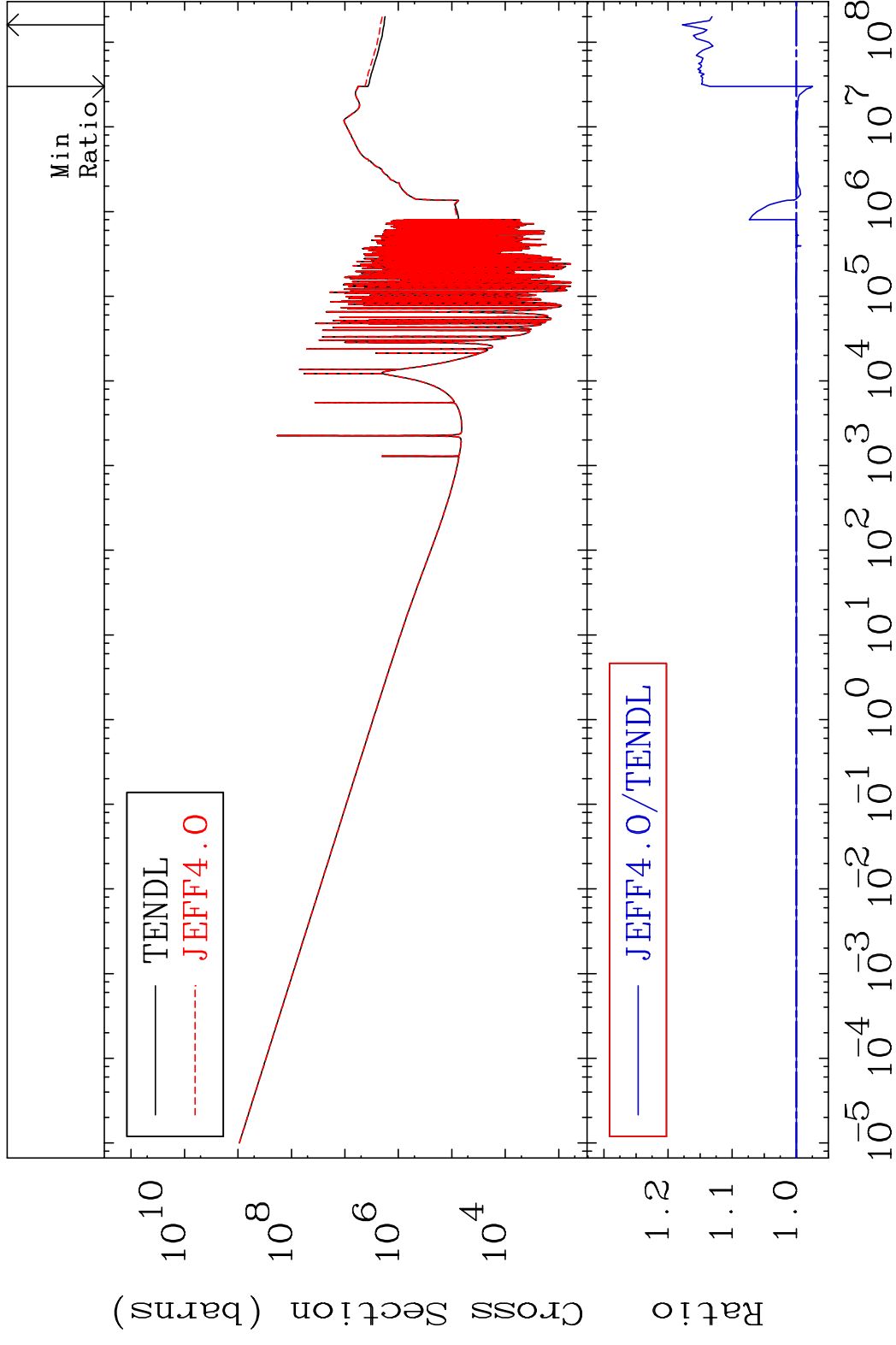
MAT 2831 (n, t):27-Co-58g 28-Ni-60  
 Radionuclide Production Cross Section Ratio 3274. %



MAT 2831 (n,t):27-Co-58m1 28-Ni-60  
 Radionuclide Production Cross Section 100.0000 to 1044. %

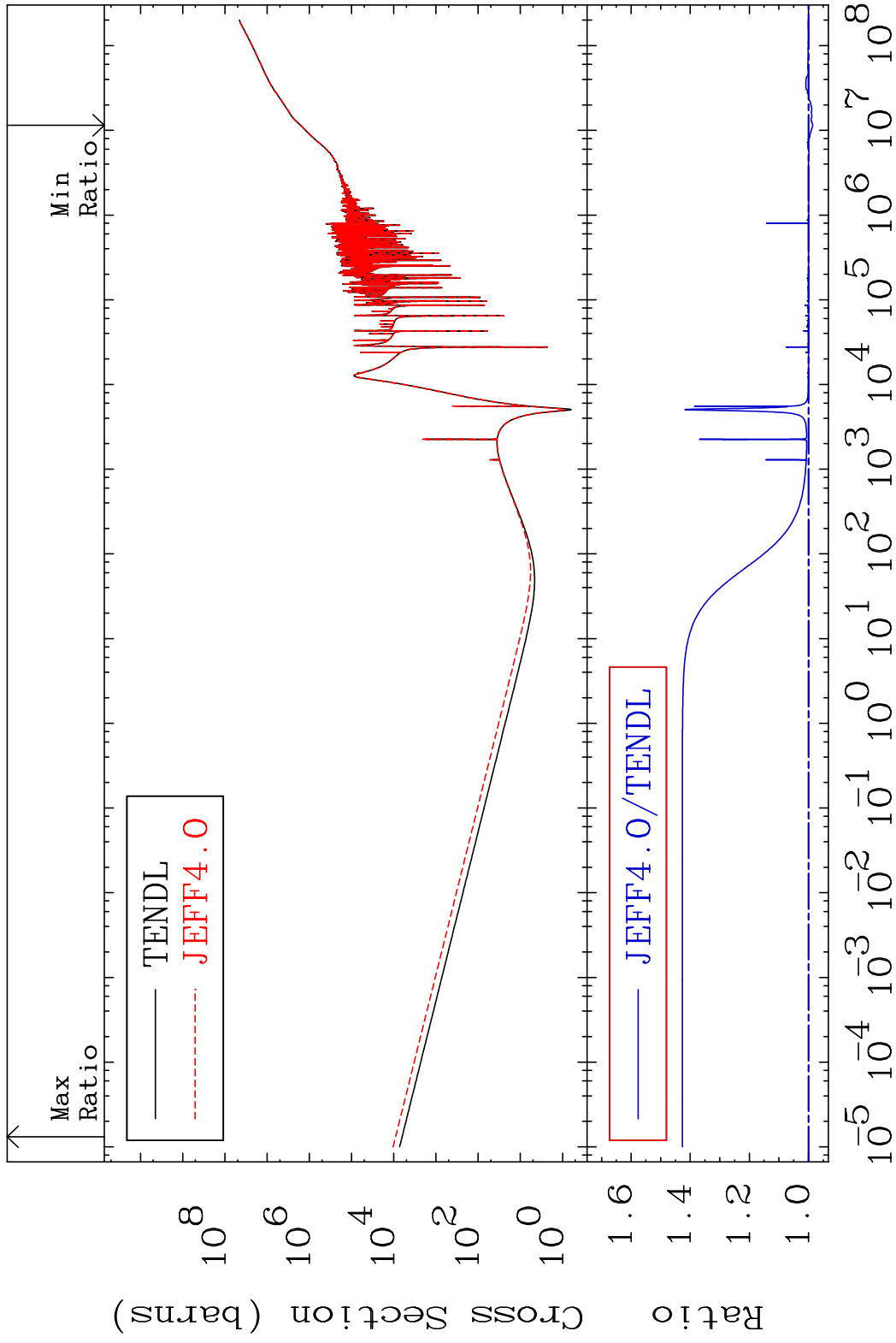


MAT 2831 Total photon (eV-barns) 28-Ni-60  
Cross Section -2.532 To 17.77 %

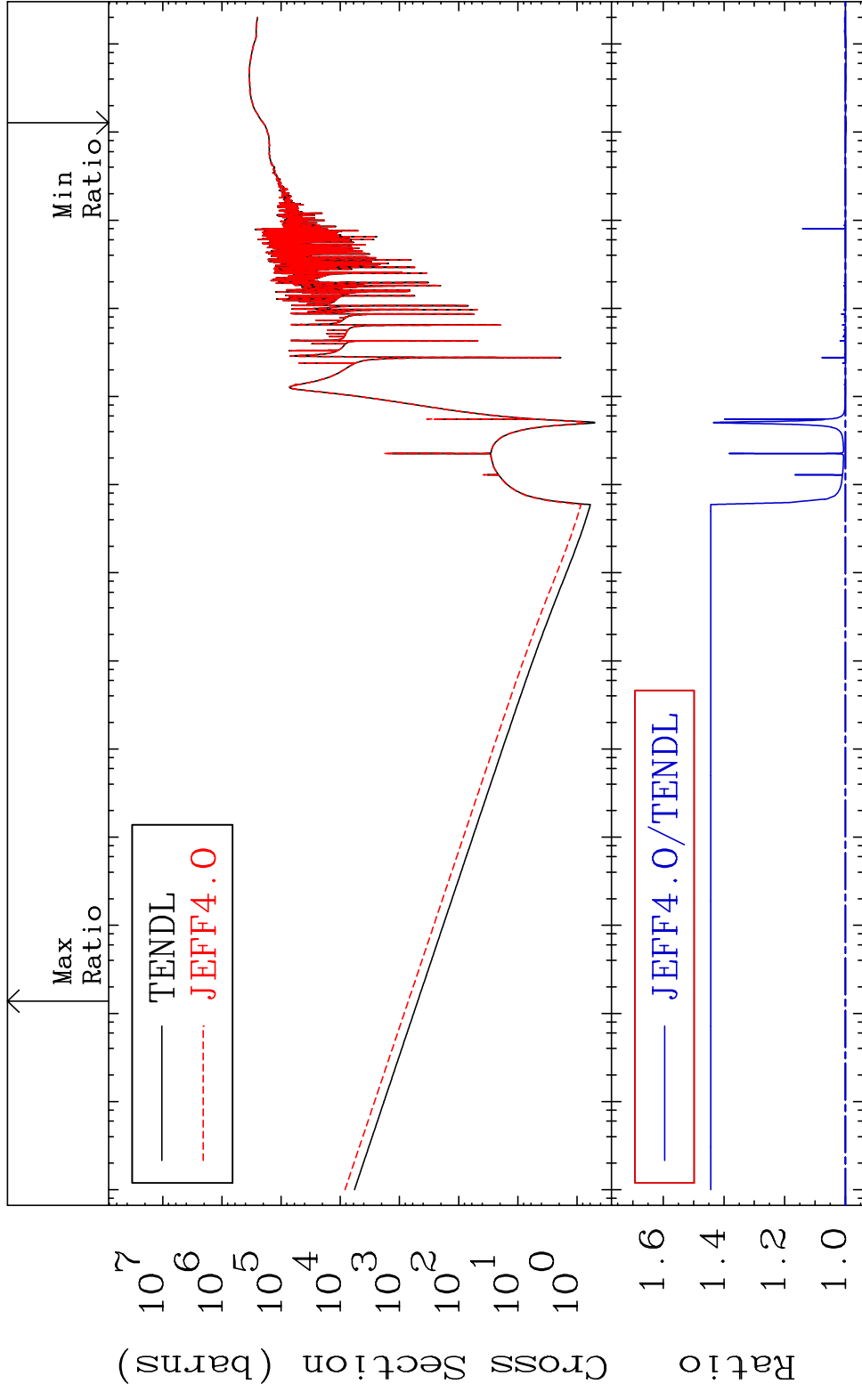


70 Incident Energy (eV) 28-Ni-60

MAT 2831 Total kinematic kerma (high limit) 28-Ni-60  
 Cross Section -1.378 To 42.67 %



MAT 2831      Dpa total (eV-barns)      28-Ni-60  
 Cross Section      -0.307 To 44.37 %

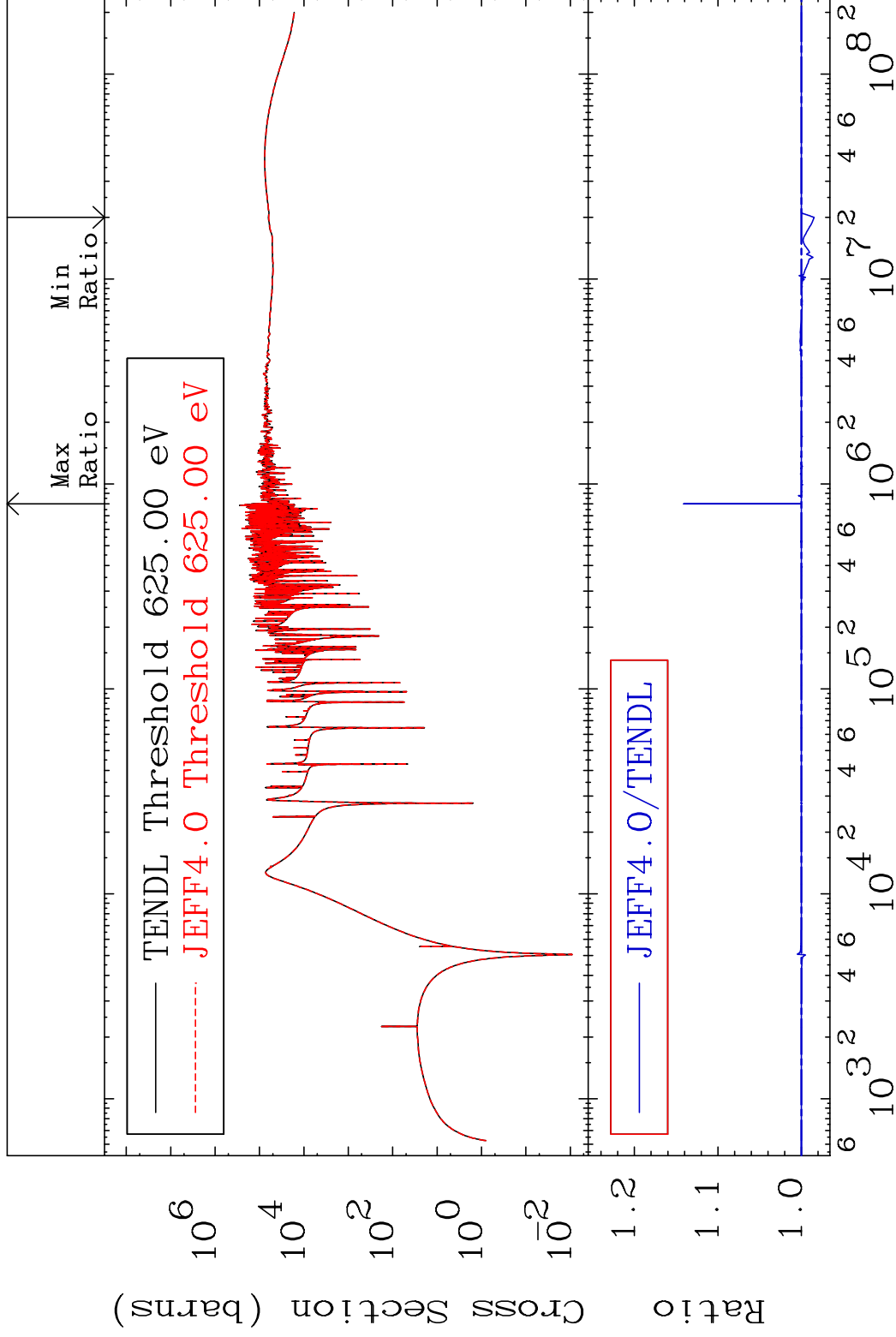


MAT 2831

Dpa elastic (mt2)

28-Ni-60

Cross Section -1.524 To 14.10 %

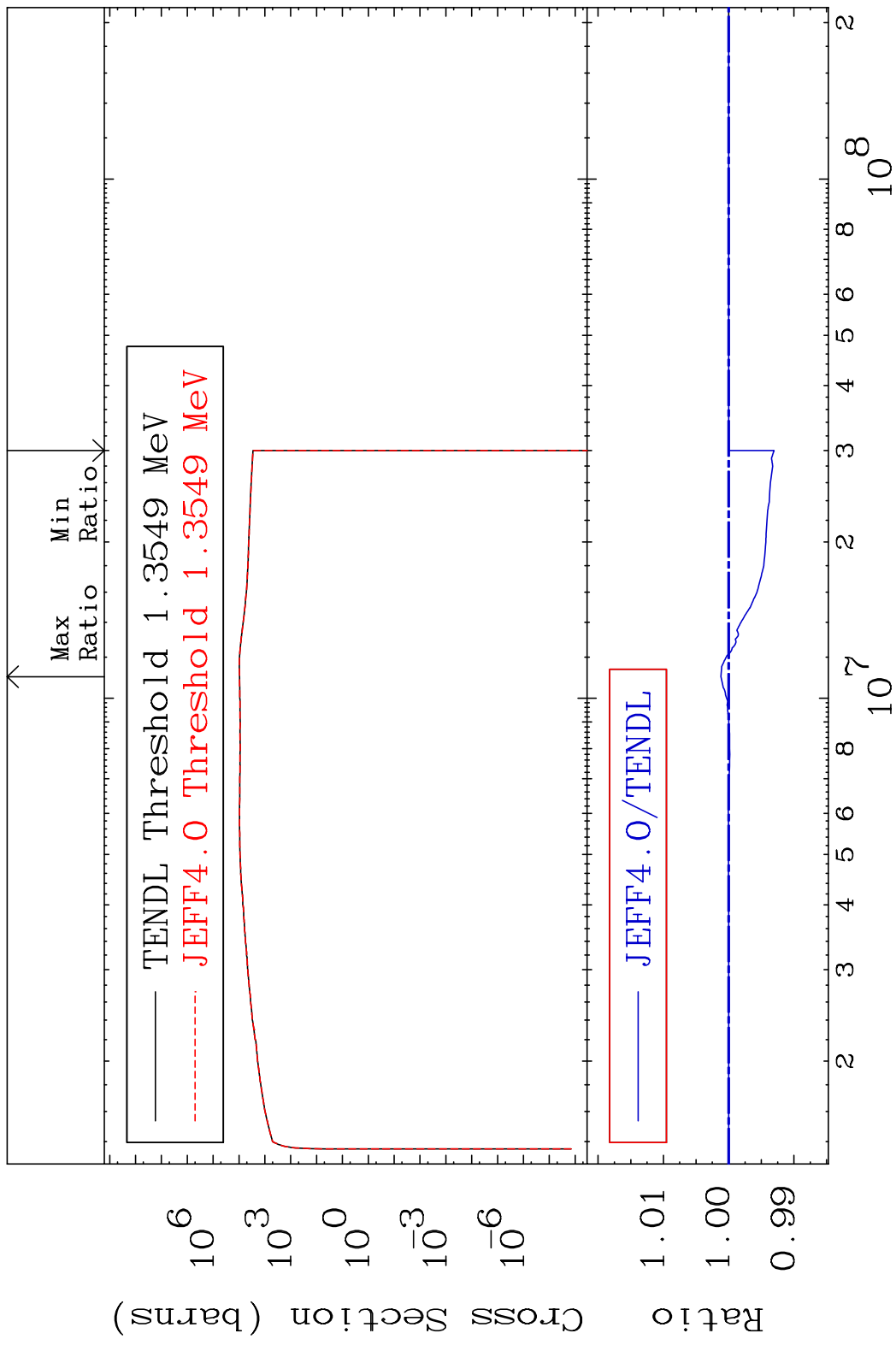


73

Incident Energy (eV)

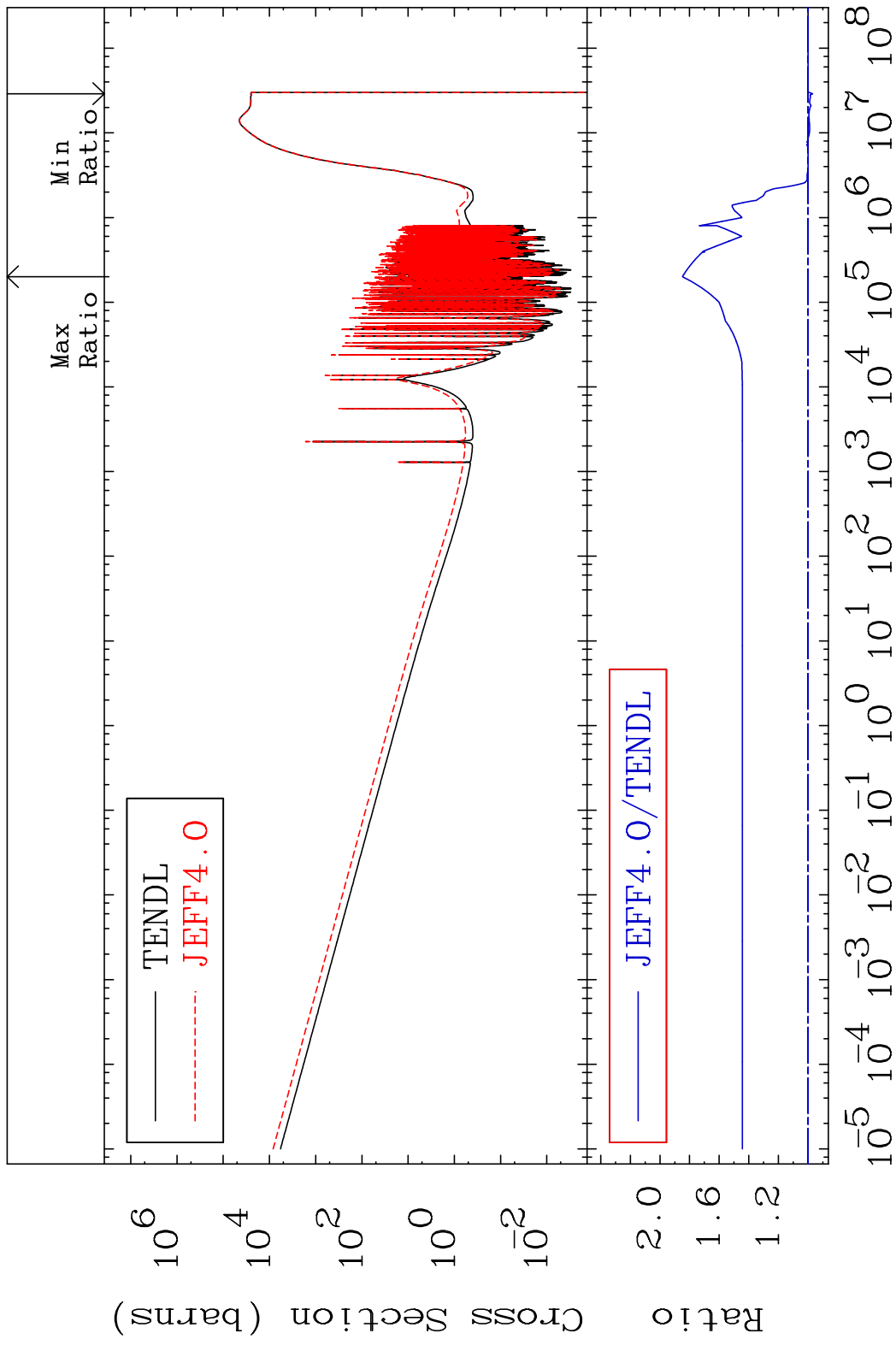
28-Ni-60

MAT 2831      Dpa inelastic (mt51-91)      <sup>28</sup>Ni-60  
 Cross Section      -0.695 To 0.120 %



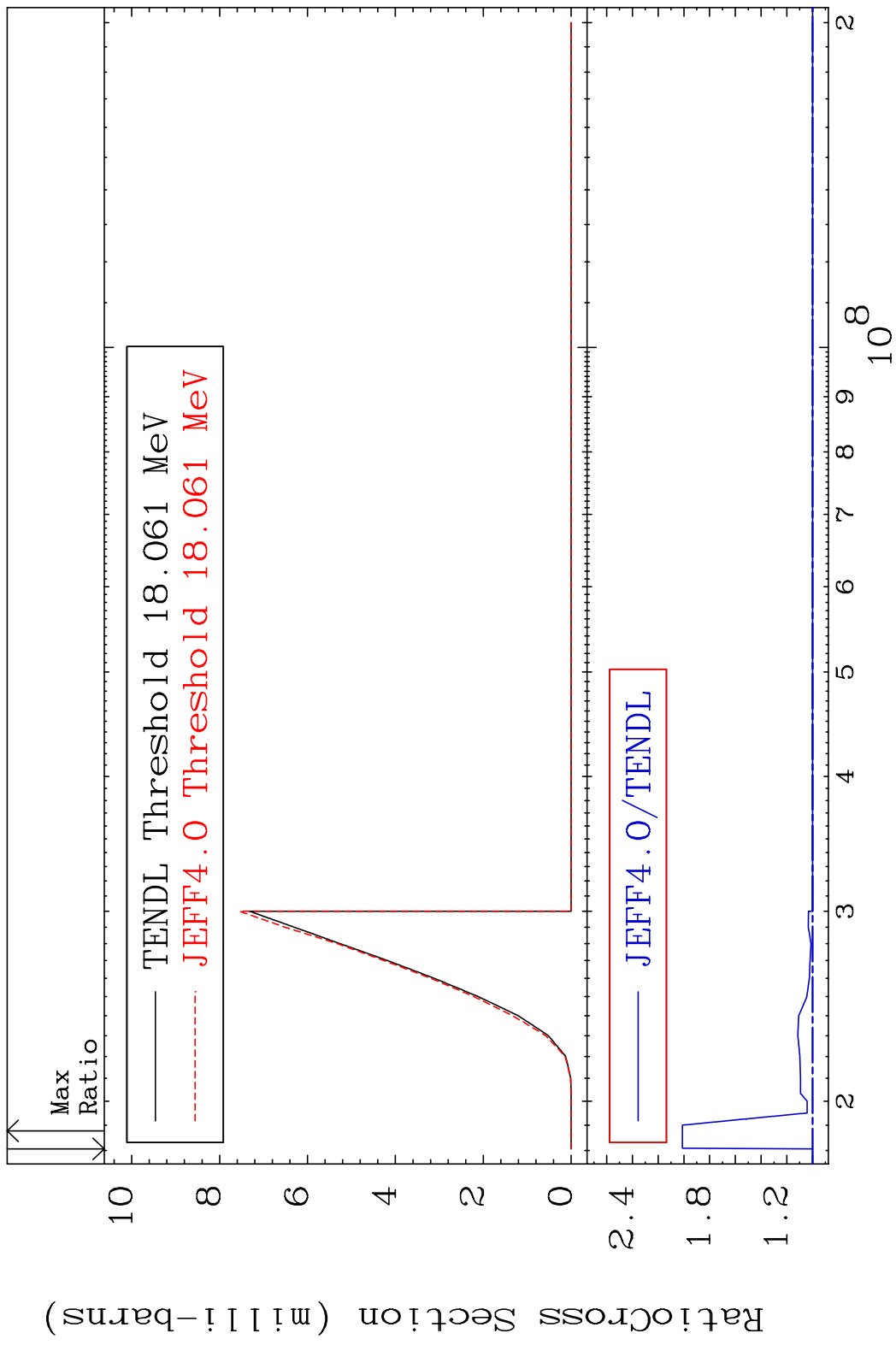
74      Incident Energy (eV)      <sup>28</sup>Ni-60

MAT 2831 Dpa disappearance (mt102 -120) 28-Ni-60  
 Cross Section -2.992 To 84.87 %

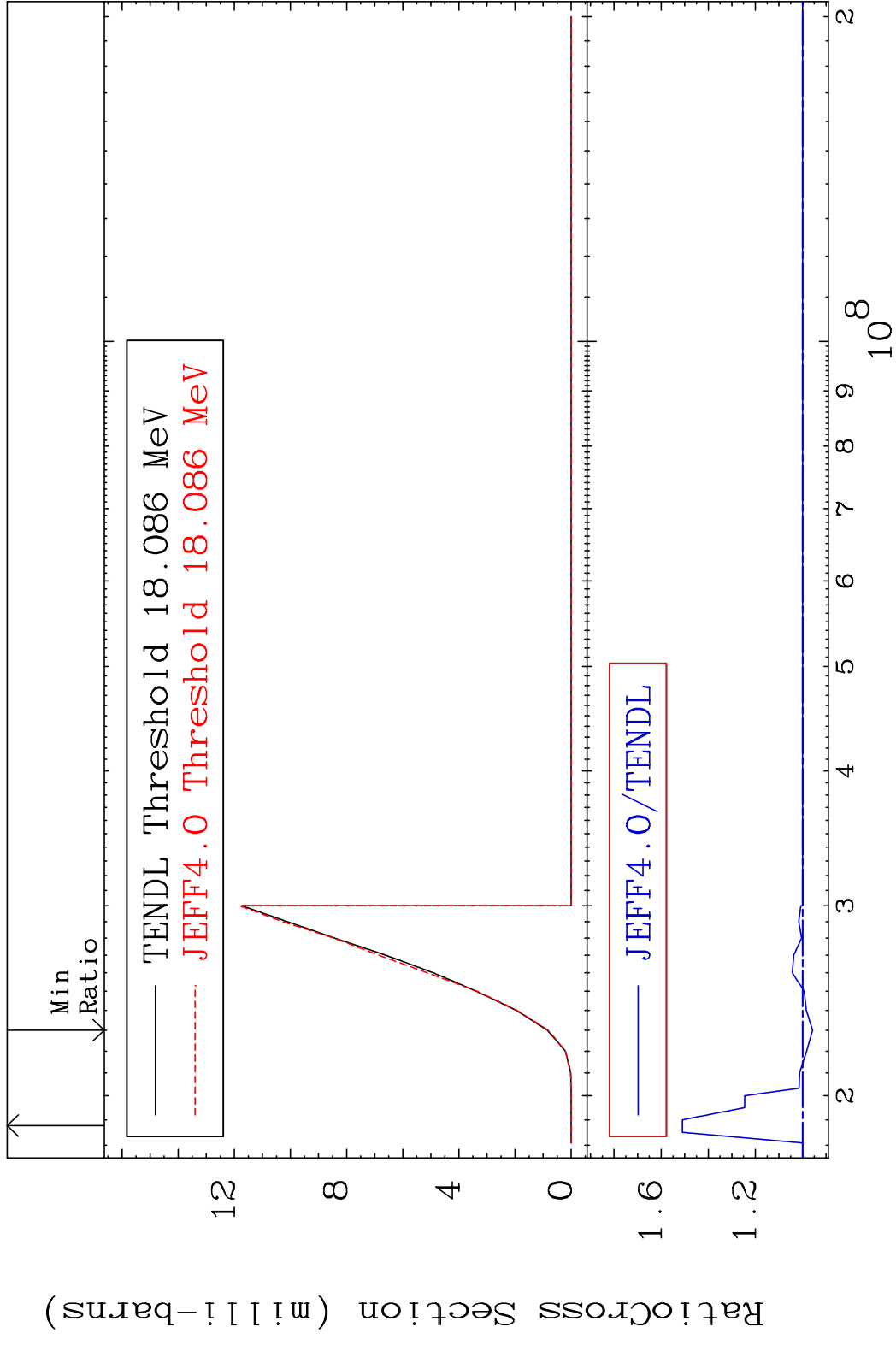


75 Incident Energy (eV) 28-Ni-60

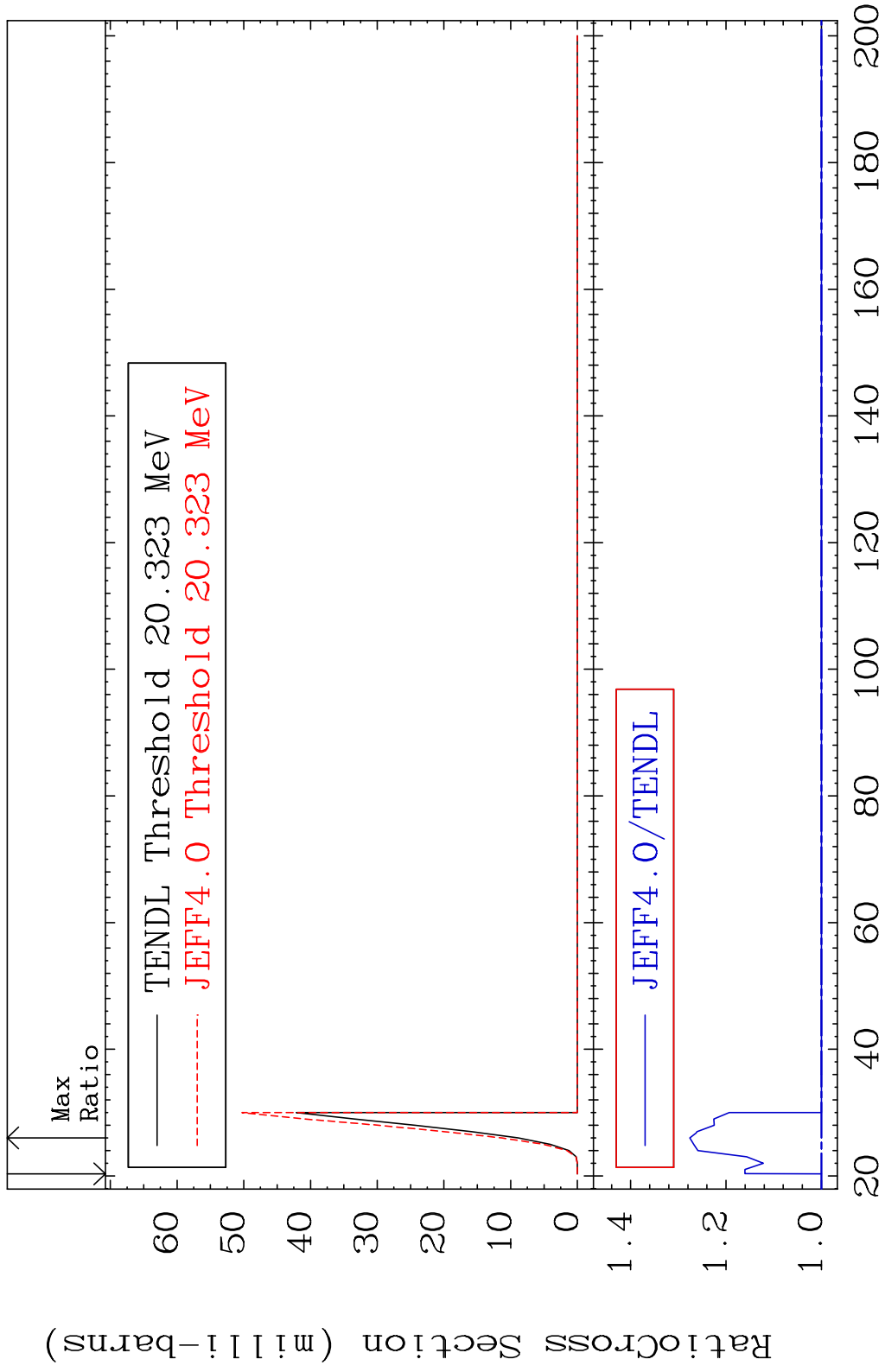
MAT 2831 (n, n') d:27-Co-58g 28-Ni-60  
 Radionuclide Production Cross Section 101.2 %



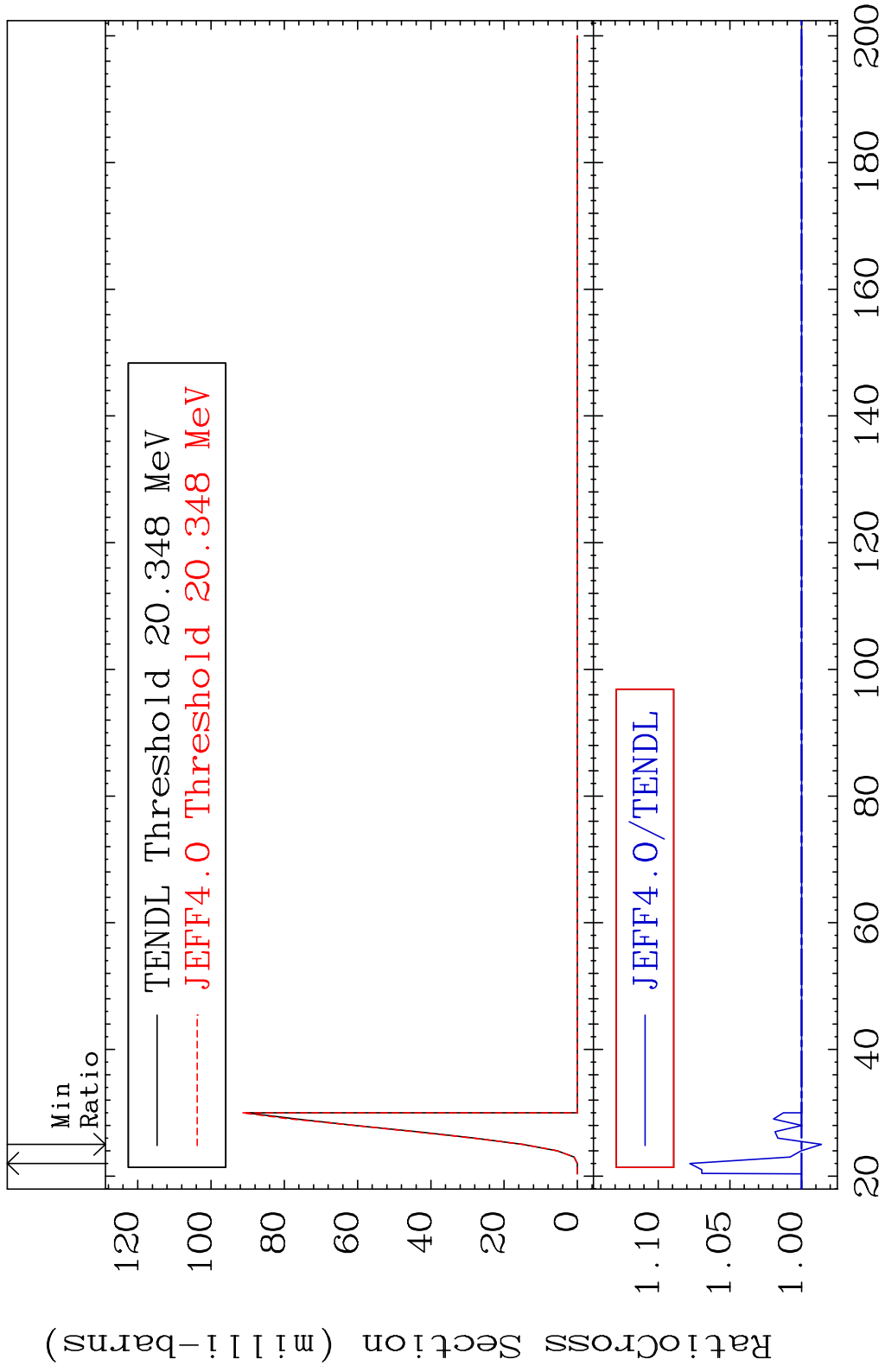
MAT 2831 (n, n') d:27-Co-58m1 28-Ni-60  
 Radionuclide Production Cross Section 51.01 %



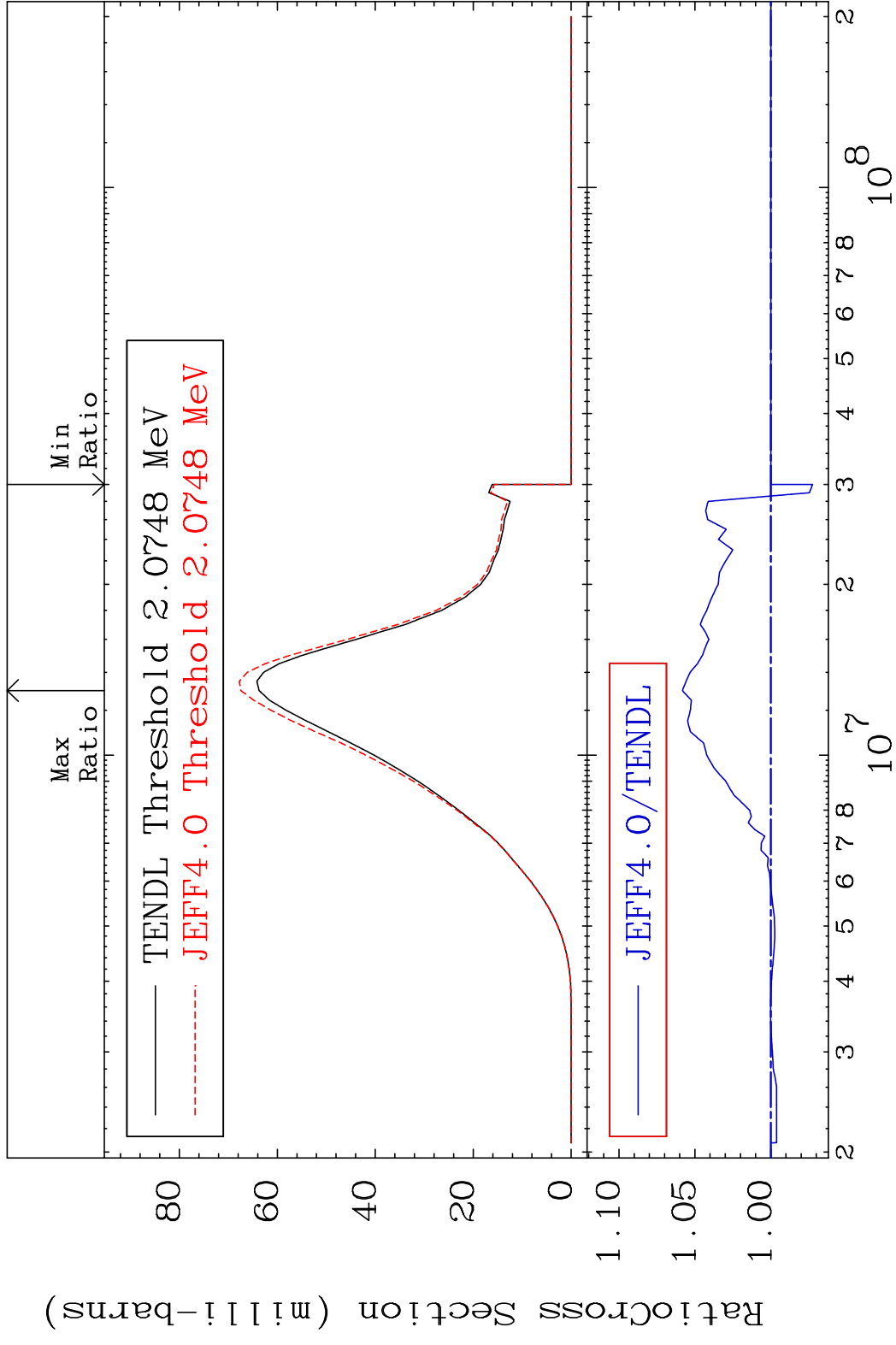
MAT 2831 (n,2n) p:27-Co-58g 28-Ni-60  
 Radionuclide Production Cross Section 27.60 %



MAT 2831 (n,2n) p:27-Co-58m1 28-Ni-60  
 Radionuclide Production Cross Section 15883 d10 7.798 %



MAT 2831 (n,p):27-Co-60g 28-Ni-60  
 Radionuclide Production Cross Section 5.827 %

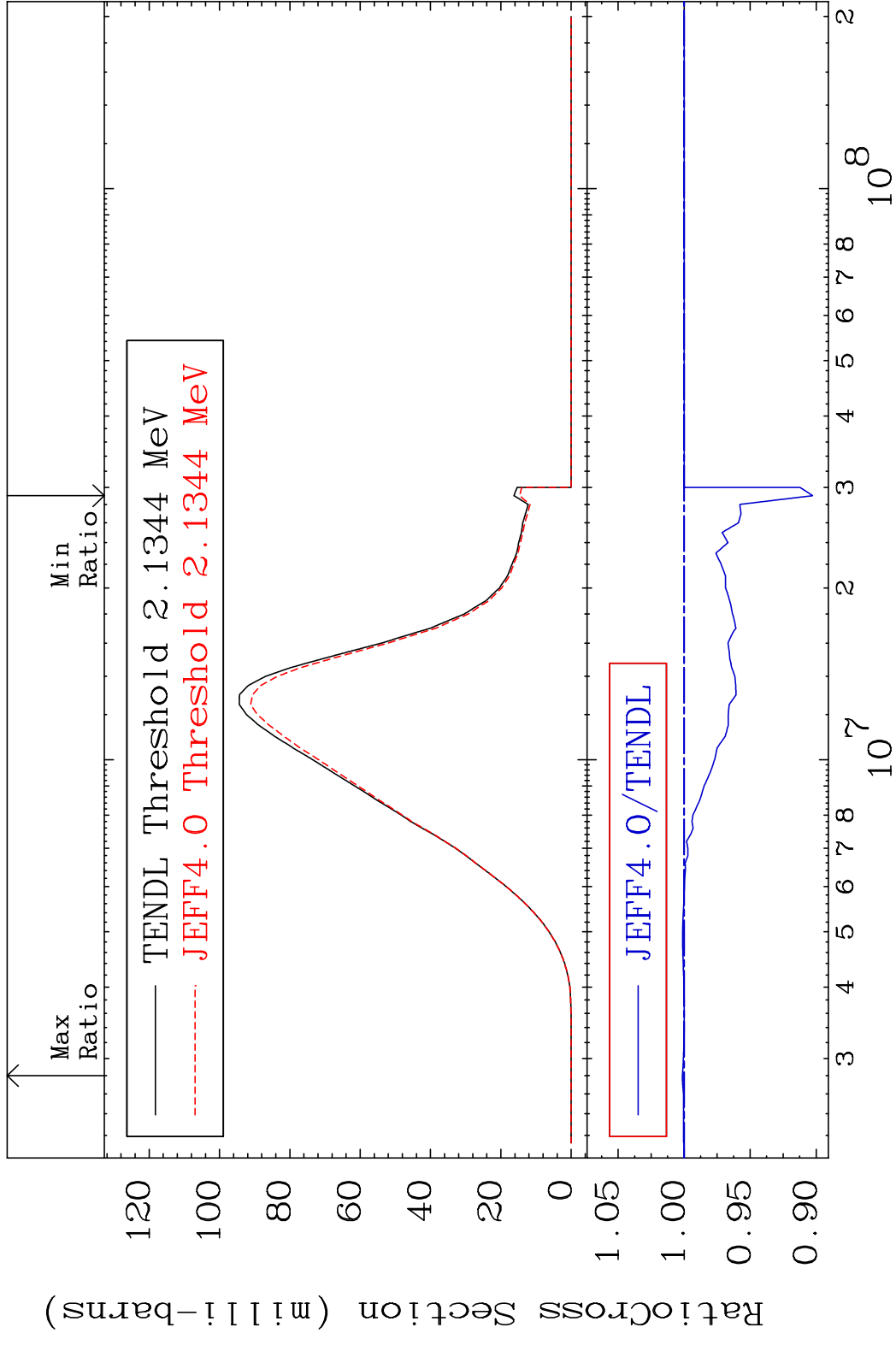


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Incident Energy (eV)

28-Ni-60

MAT 2831 (n,p):27-Co-60m1 28-Ni-60  
 Radionuclide Production Cross Section 95.281 dth 0.135 %



MAT 2831 (n, t): 27-Co-58g 28-Ni-60  
 Radionuclide Production Cross Section 49.88 %

