

Program Complot  
(Version 2021-1)

by

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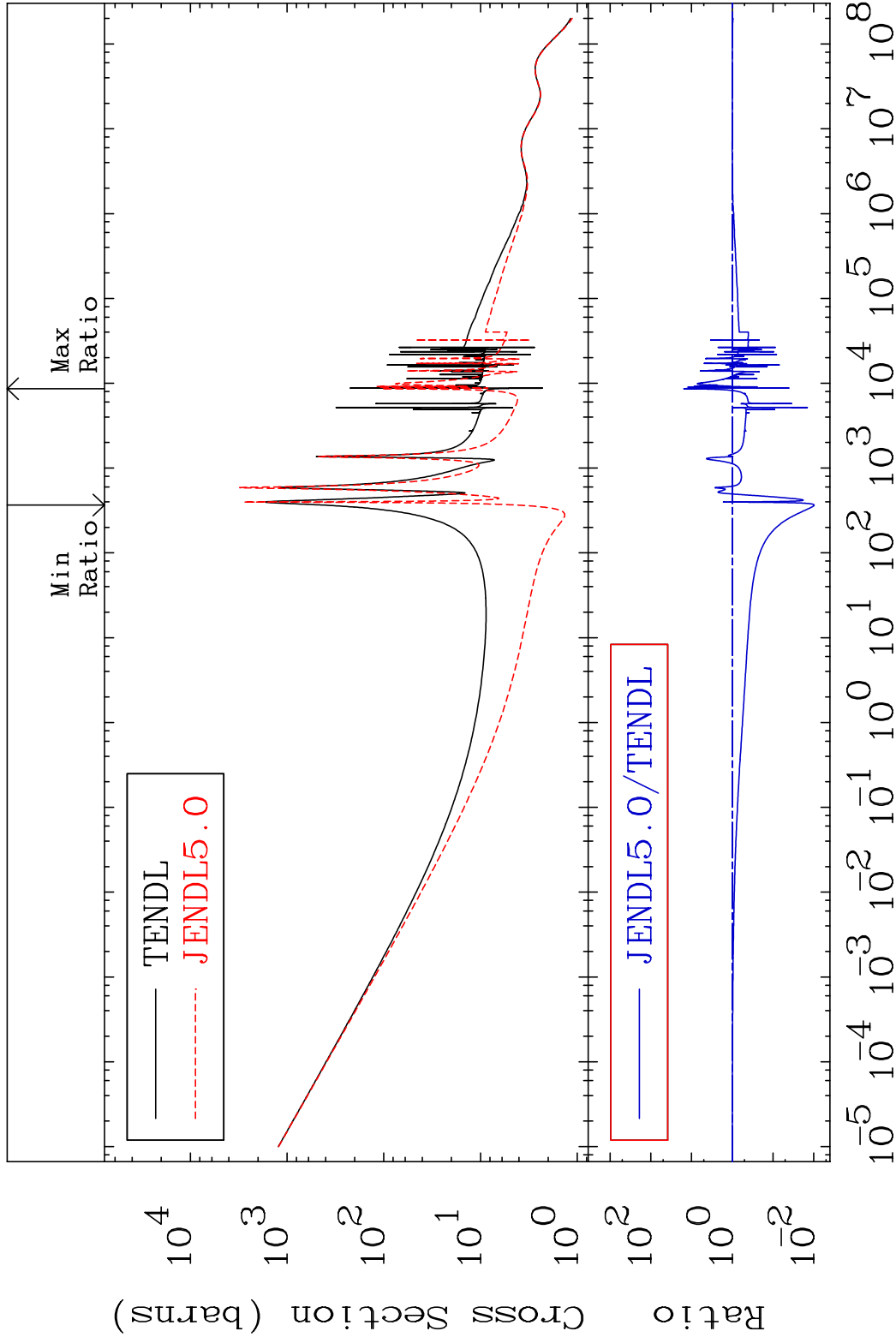
Press Mouse Button to Start

MAT 2840

Total

28-Ni-63

Cross Section -99.02 To 1461. %



1

Incident Energy (eV)

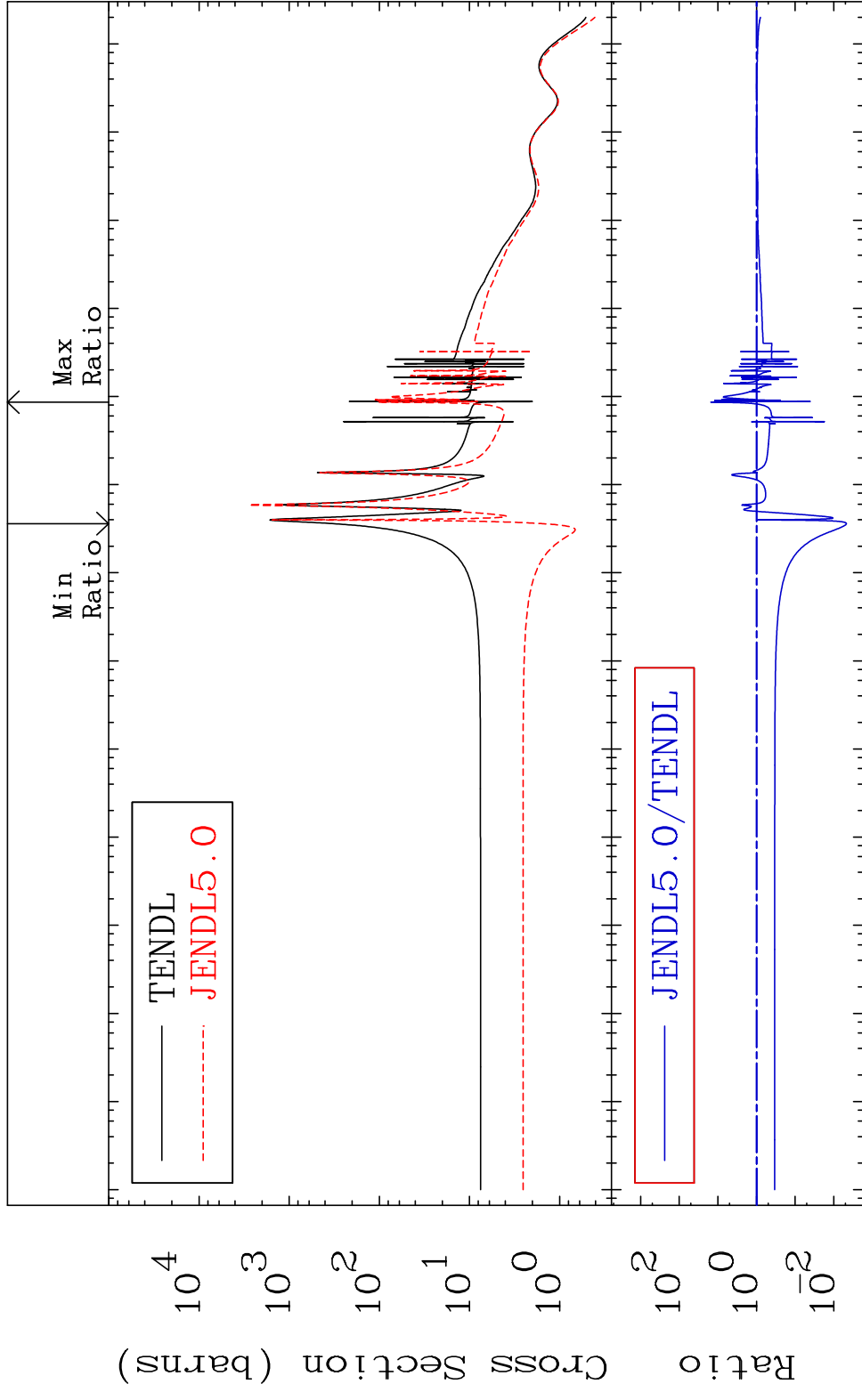
28-Ni-63

MAT 2840

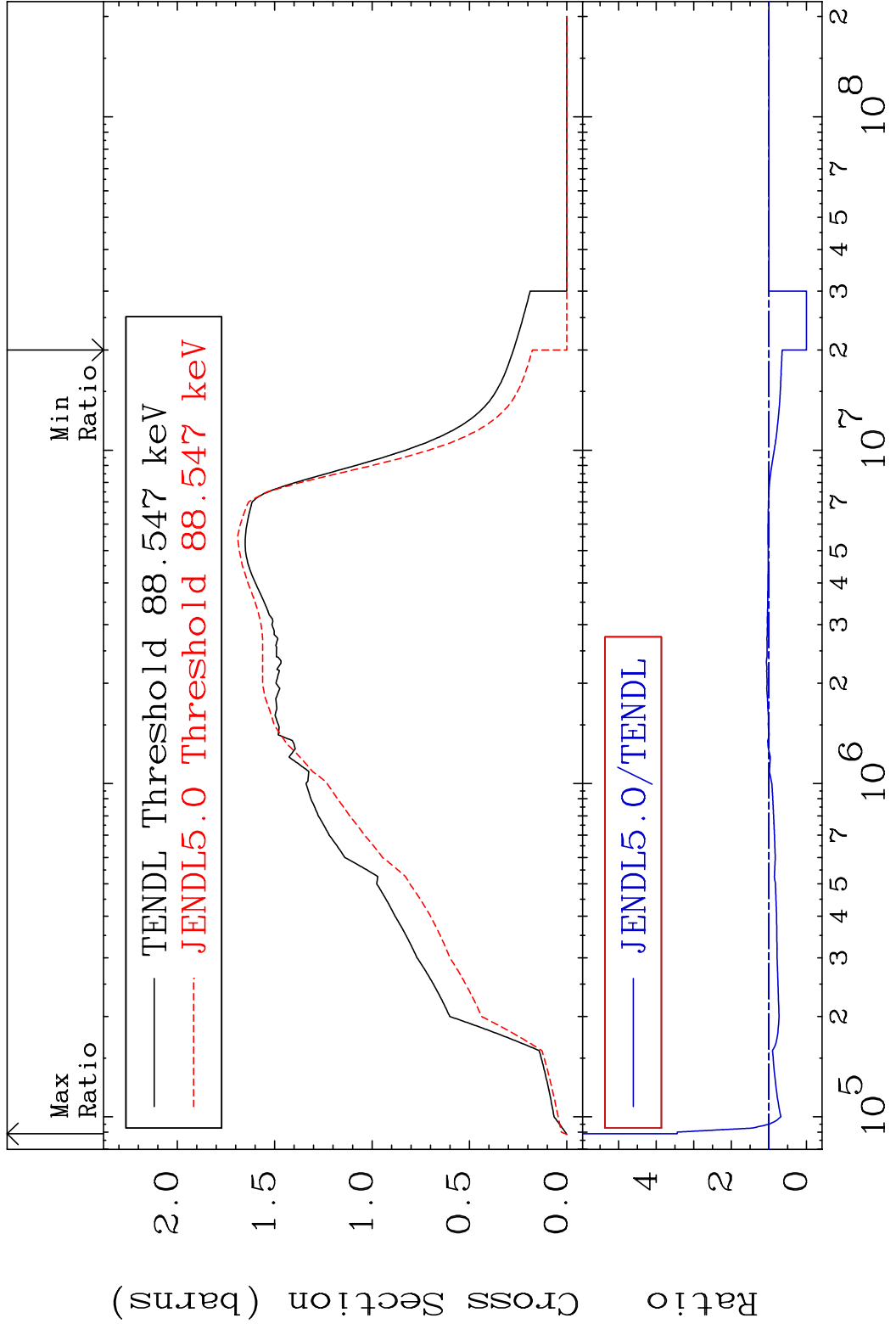
Elastic

28-Ni-63

Cross Section -99.53 To 1434. %

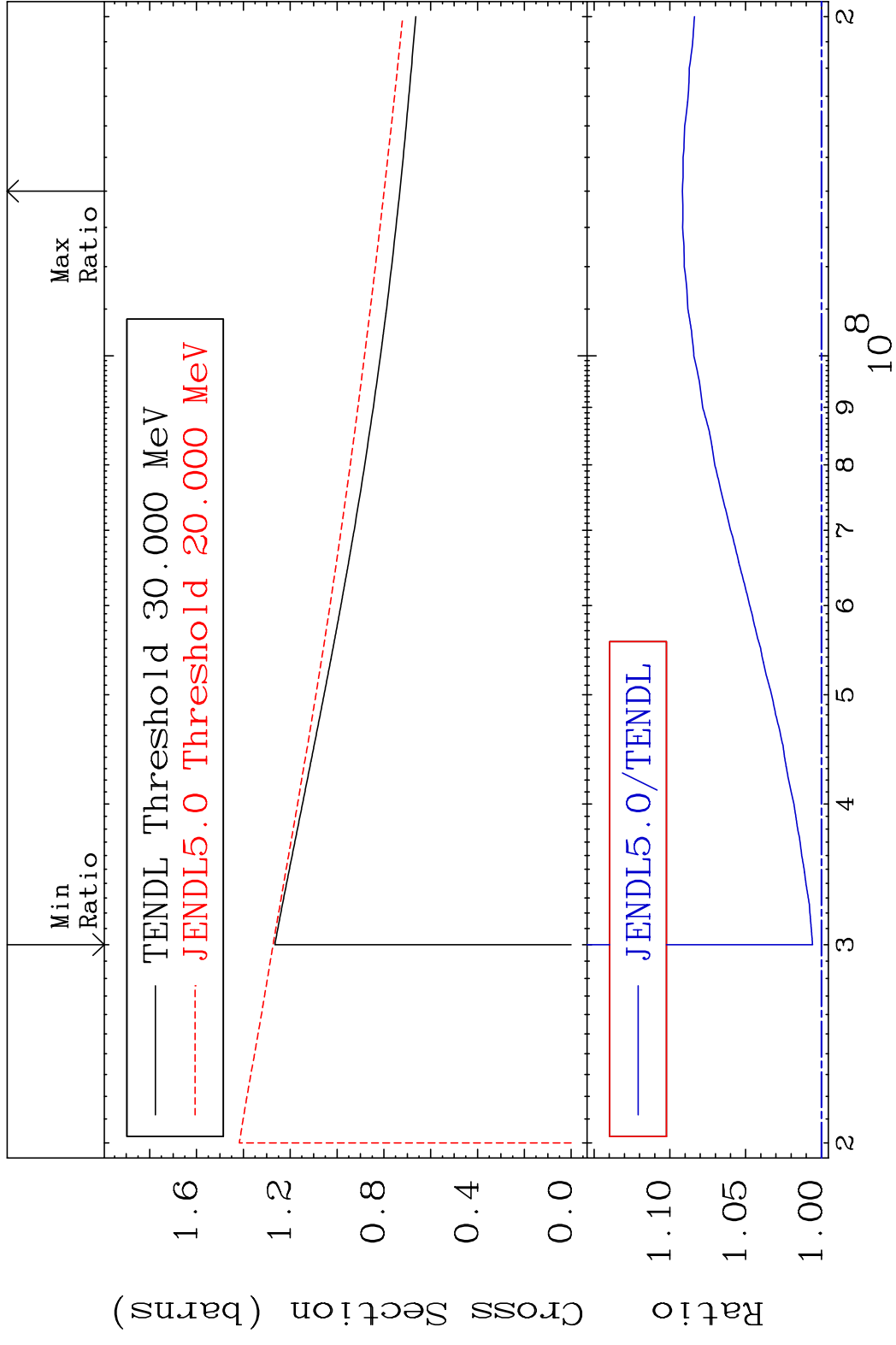


MAT 2840 Inelastic 28-Ni-63  
Cross Section -100.0 To 244.2 %



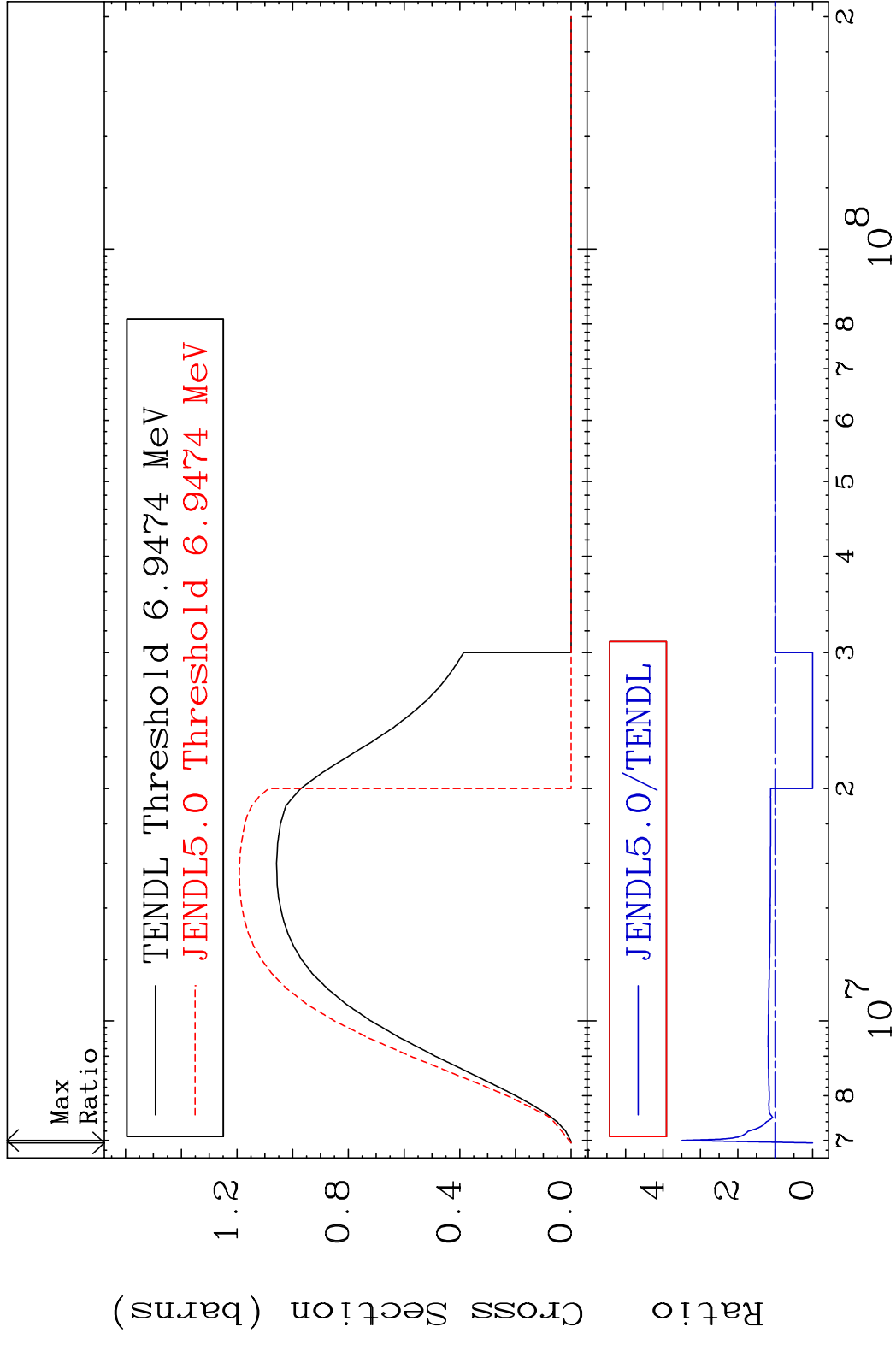
3 Incident Energy (eV) 28-Ni-63

MAT 2840 (n, remainder) 28-Ni-63  
 Cross Section 0.586 To 9.178 %



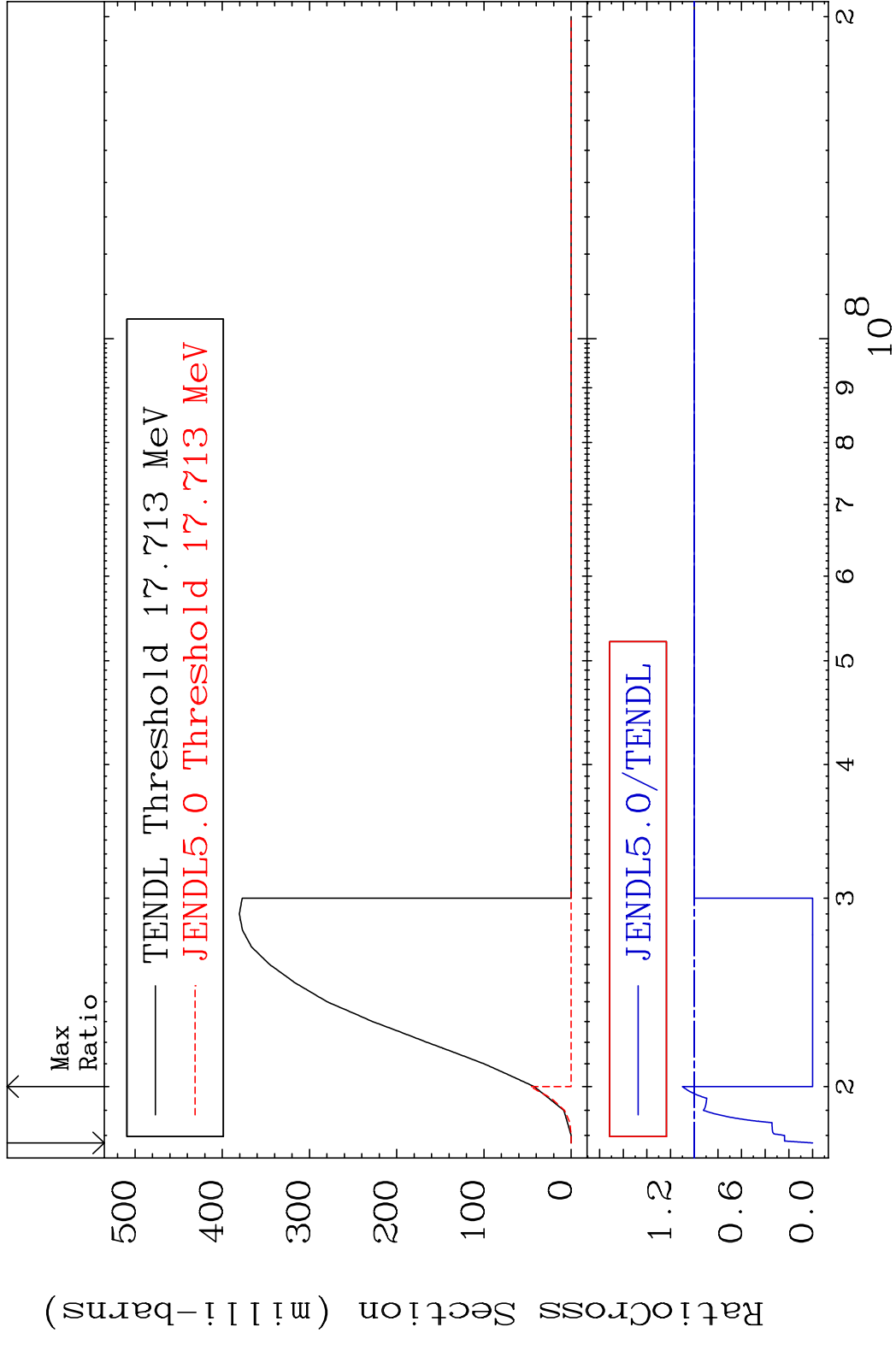
4 Incident Energy (eV) 28-Ni-63

MAT 2840 (n,2n) 28-Ni-63  
 Cross Section -100.0 To 248.2 %

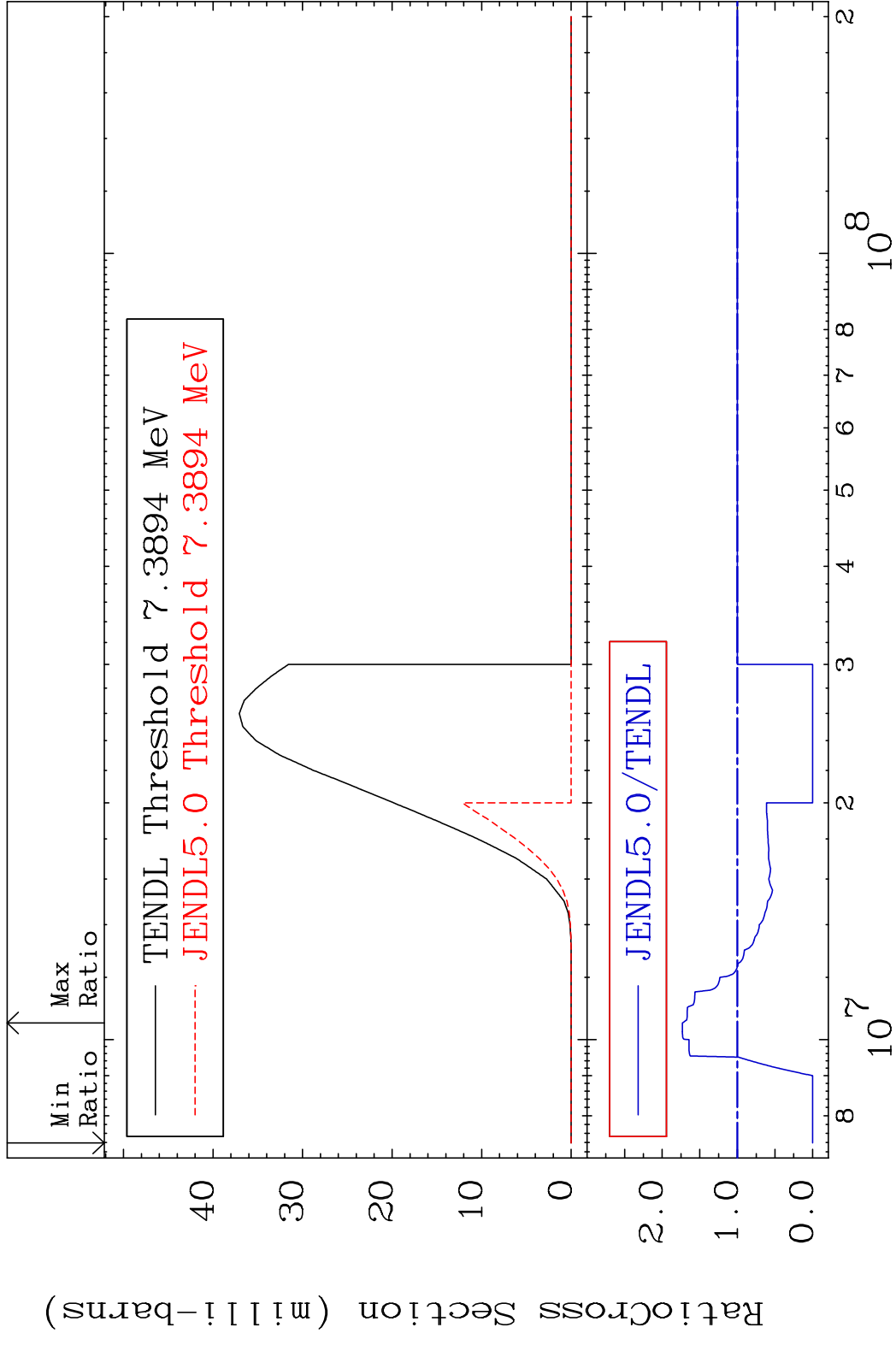


5 28-Ni-63

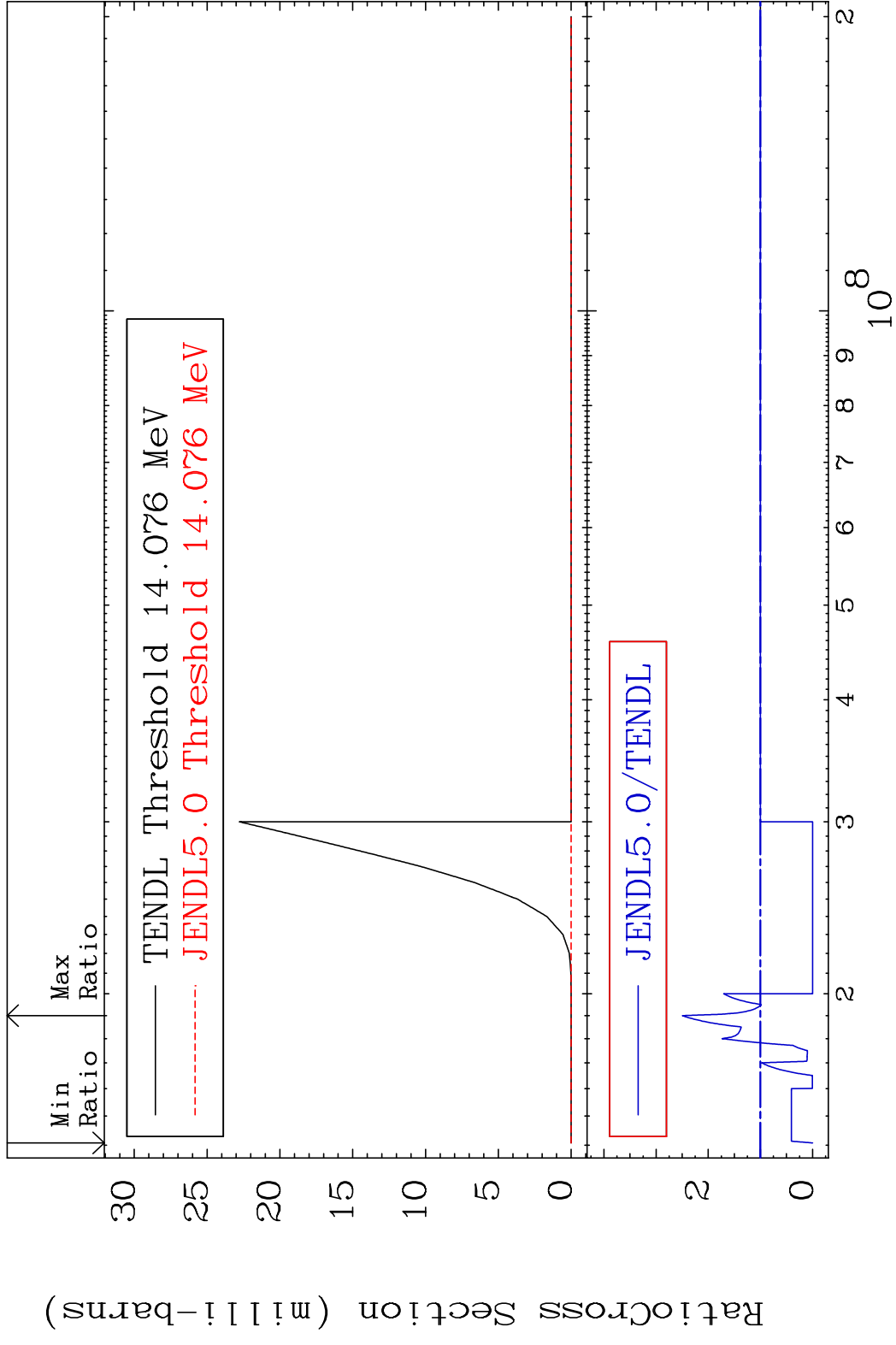
MAT 2840 (n,3n) 28-Ni-63  
 Cross Section -100.0 To 10.04 %



MAT 2840 (n, n')  $\alpha$  28-Ni-63  
 Cross Section -100.0 To 73.19 %

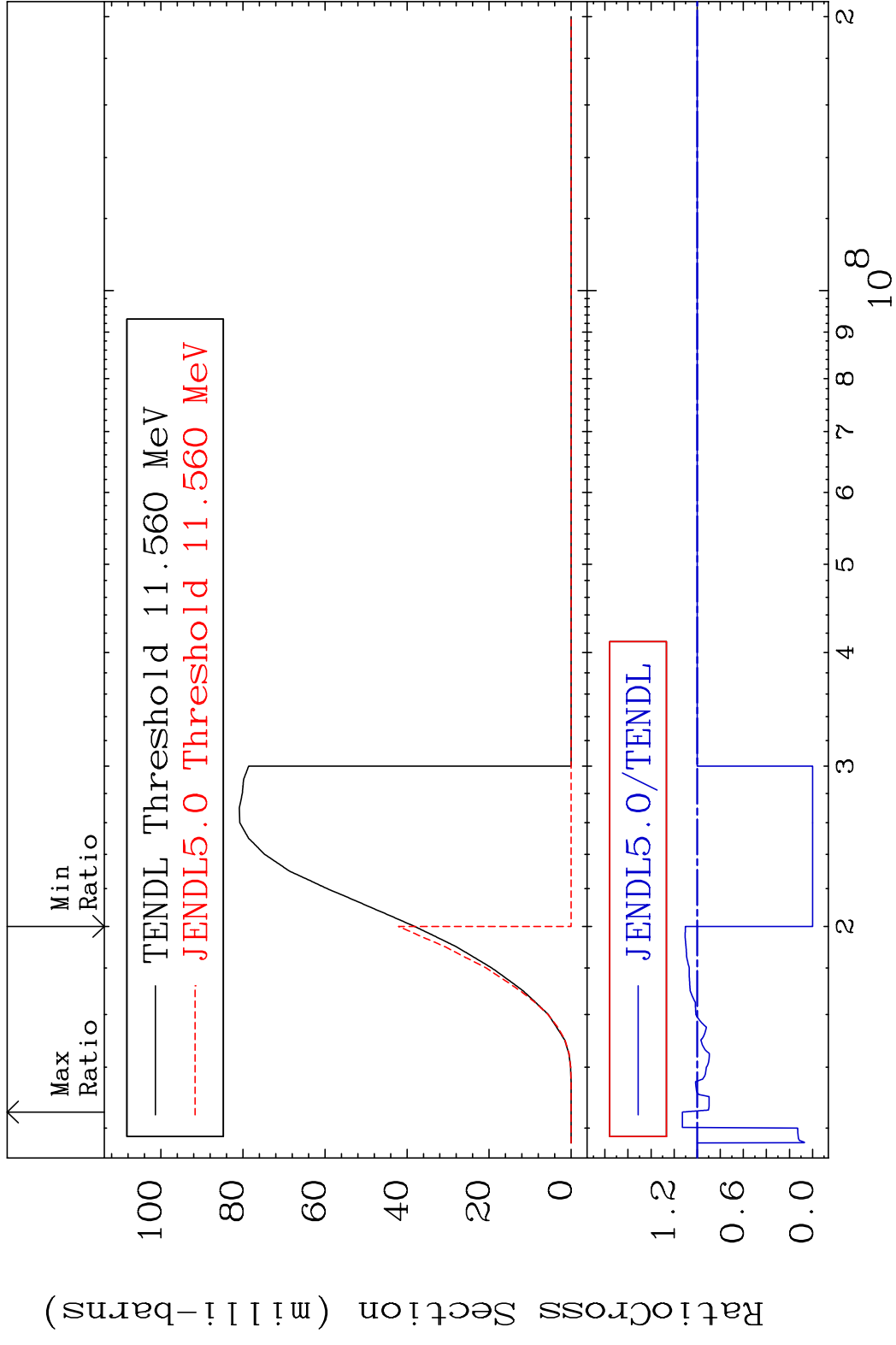


MAT 2840 (n,2n)  $\alpha$  28-Ni-63  
 Cross Section -100.0 To 149.7 %

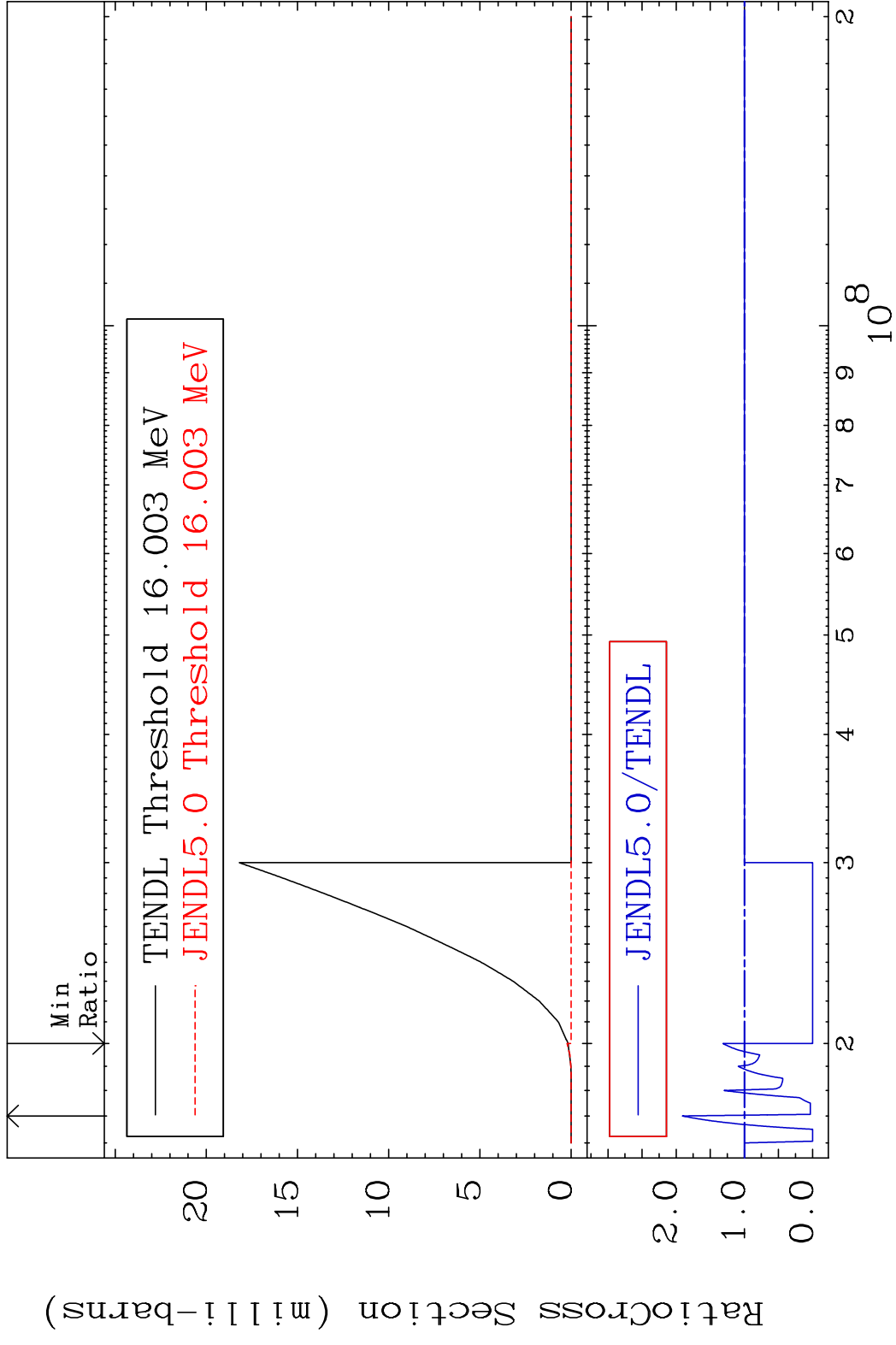


8 Incident Energy (eV) 28-Ni-63

MAT 2840 (n, n') p 28-Ni-63  
 Cross Section -100.0 To 12.86 %

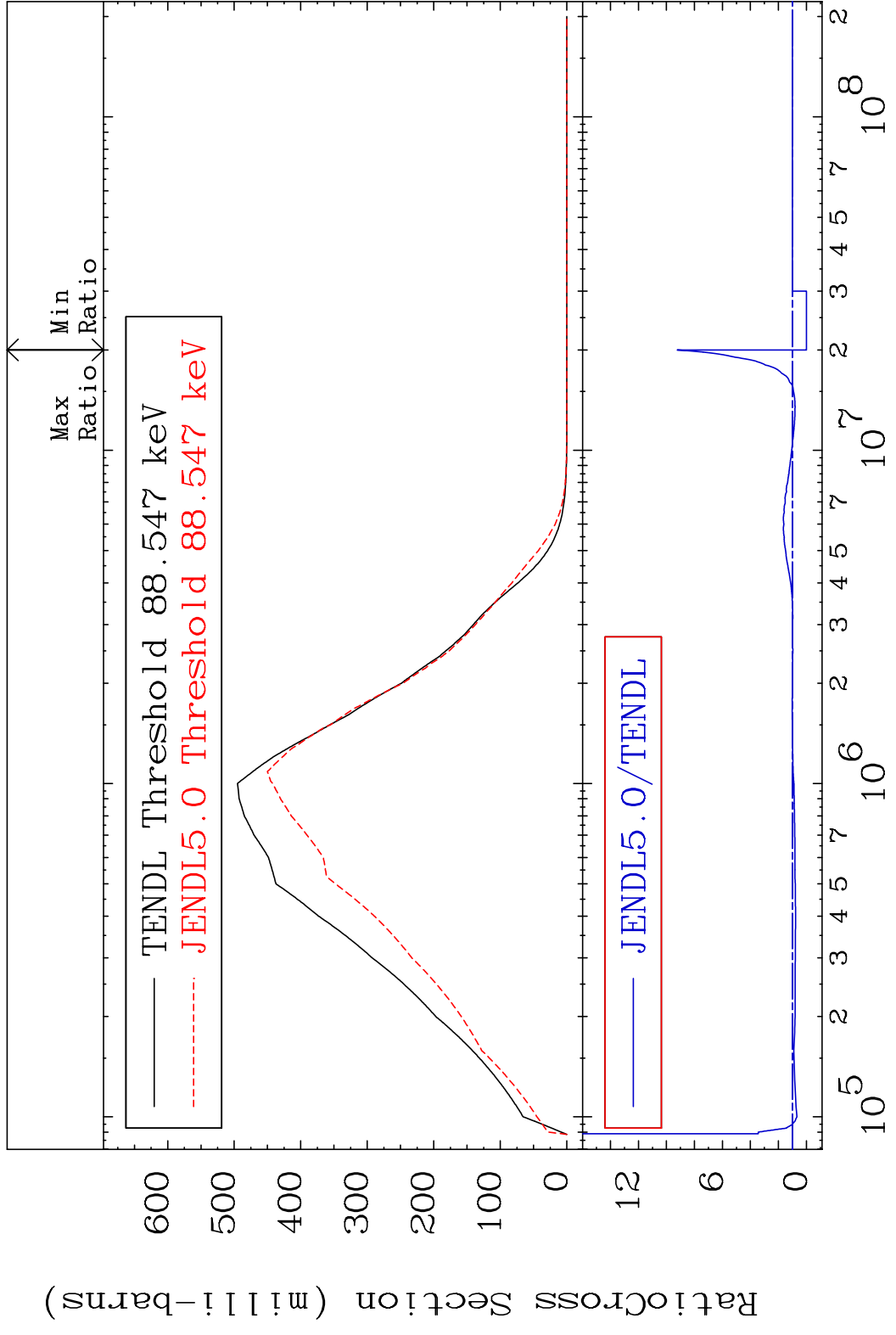


MAT 2840 (n, n') d 28-Ni-63  
 Cross Section -100.0 To 90.92 %



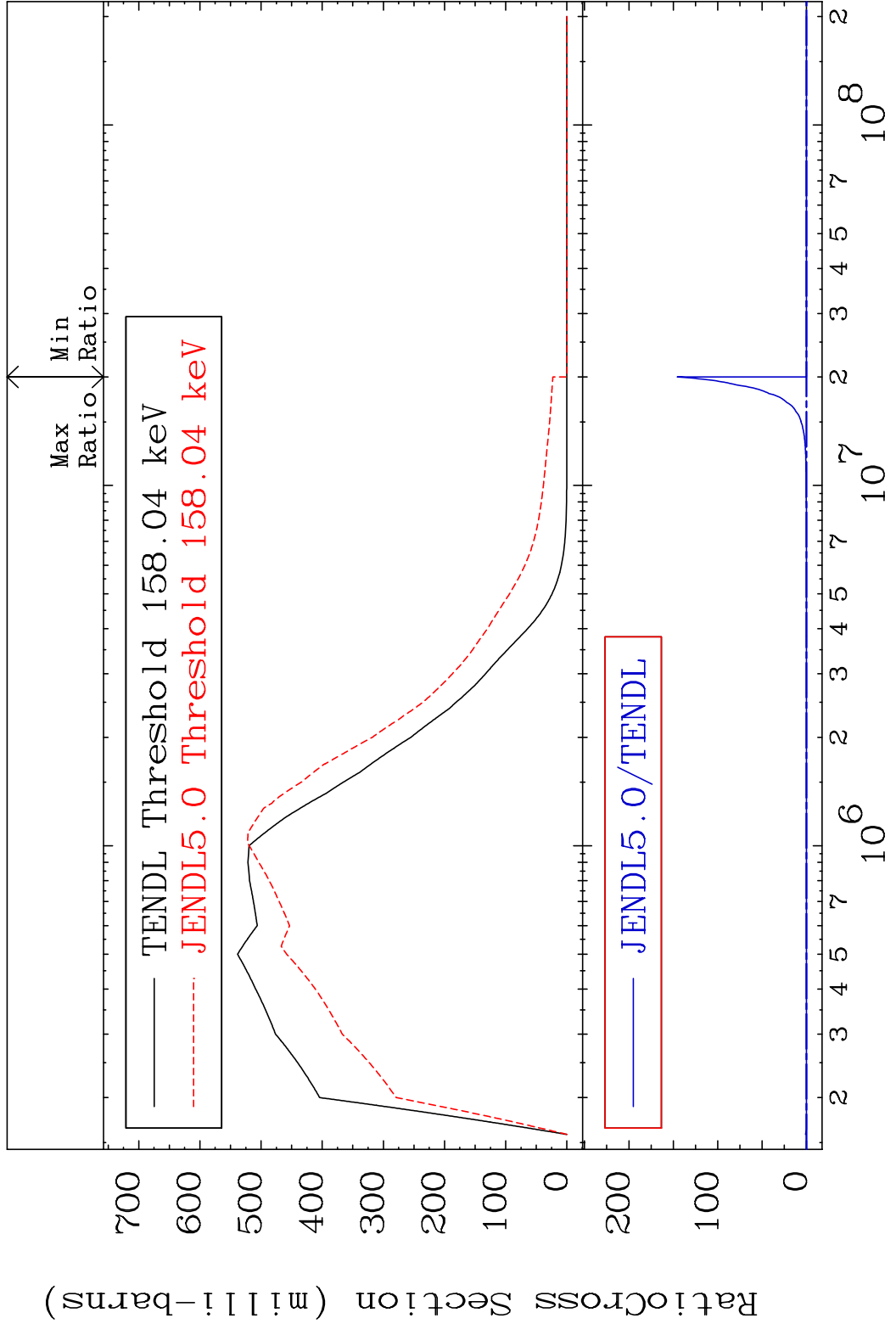
10 Incident Energy (eV) 28-Ni-63

MAT 2840 MT= 51 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 823.4 %

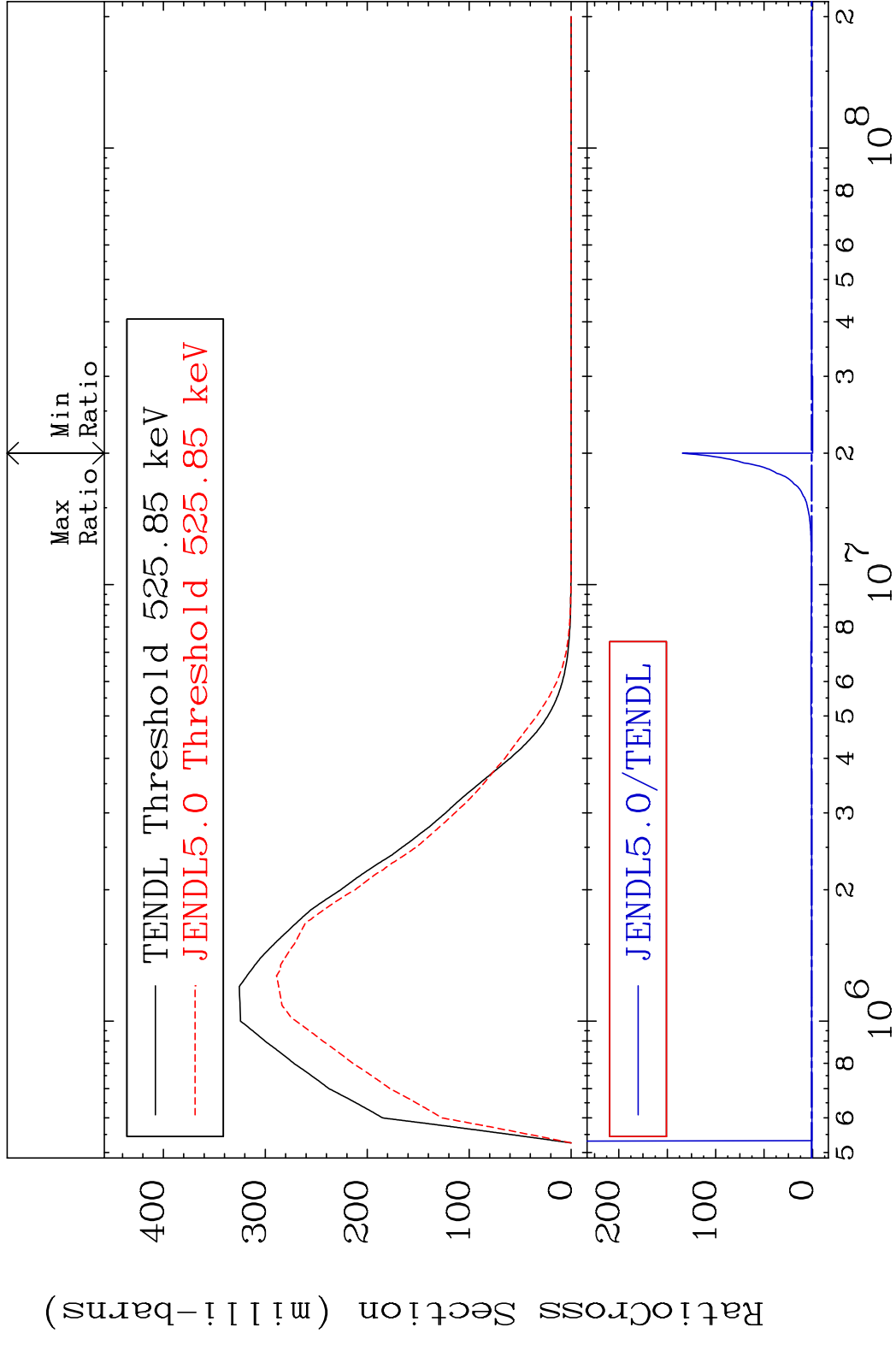


11 Incident Energy (eV) 28-Ni-63

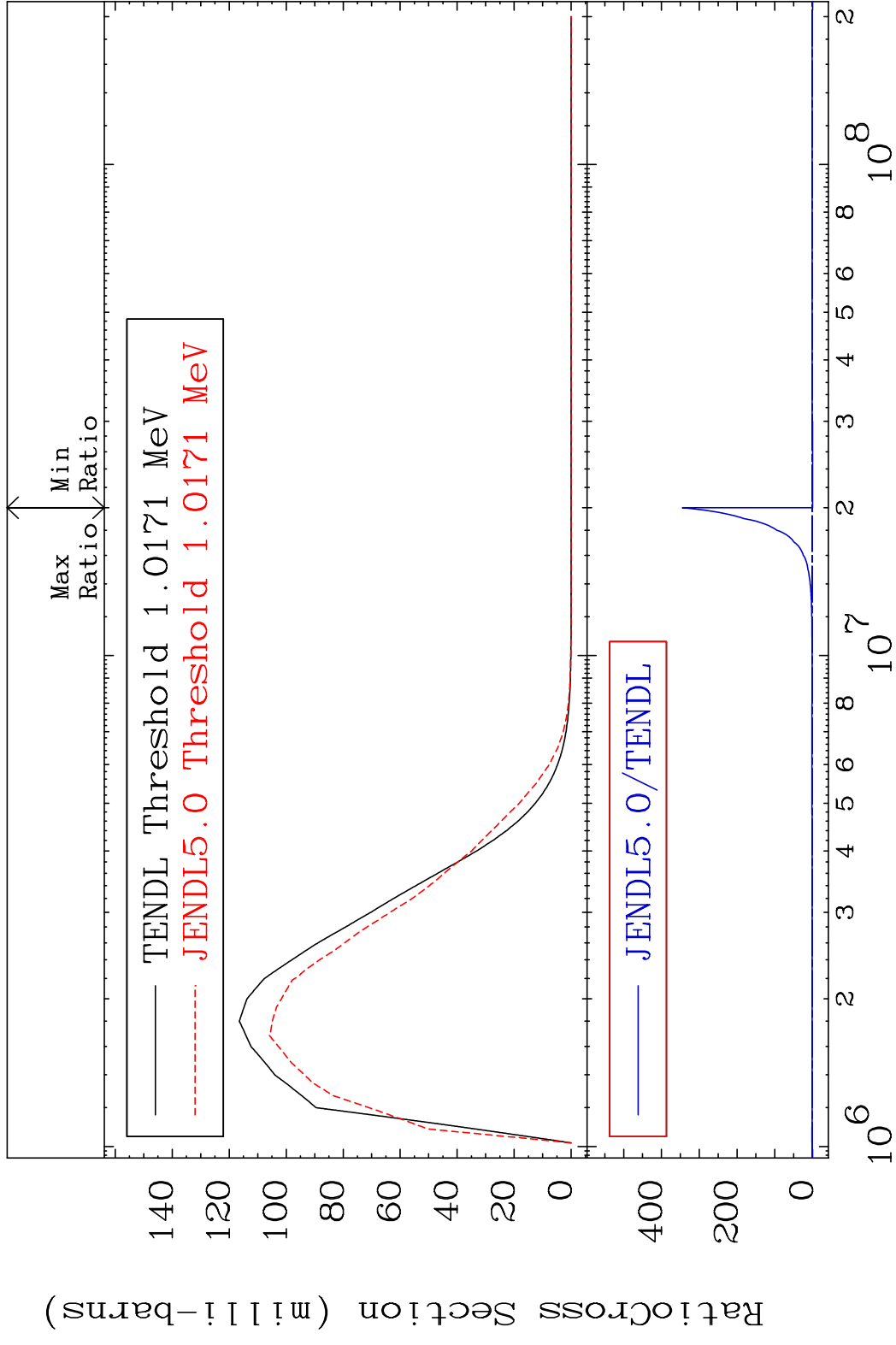
MAT 2840 MT= 52 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



MAT 2840 MT= 53 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %

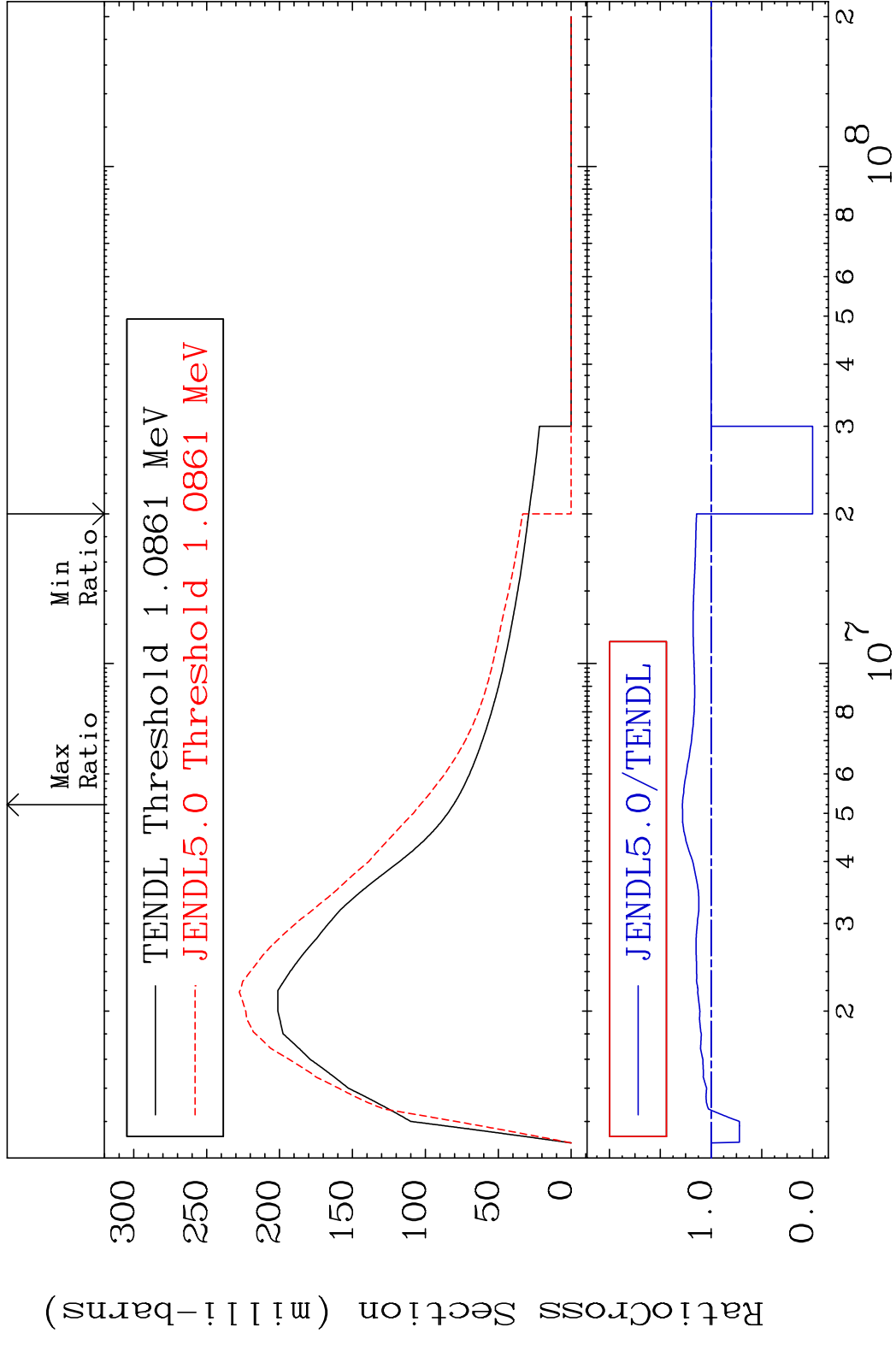


MAT 2840 MT= 54 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %

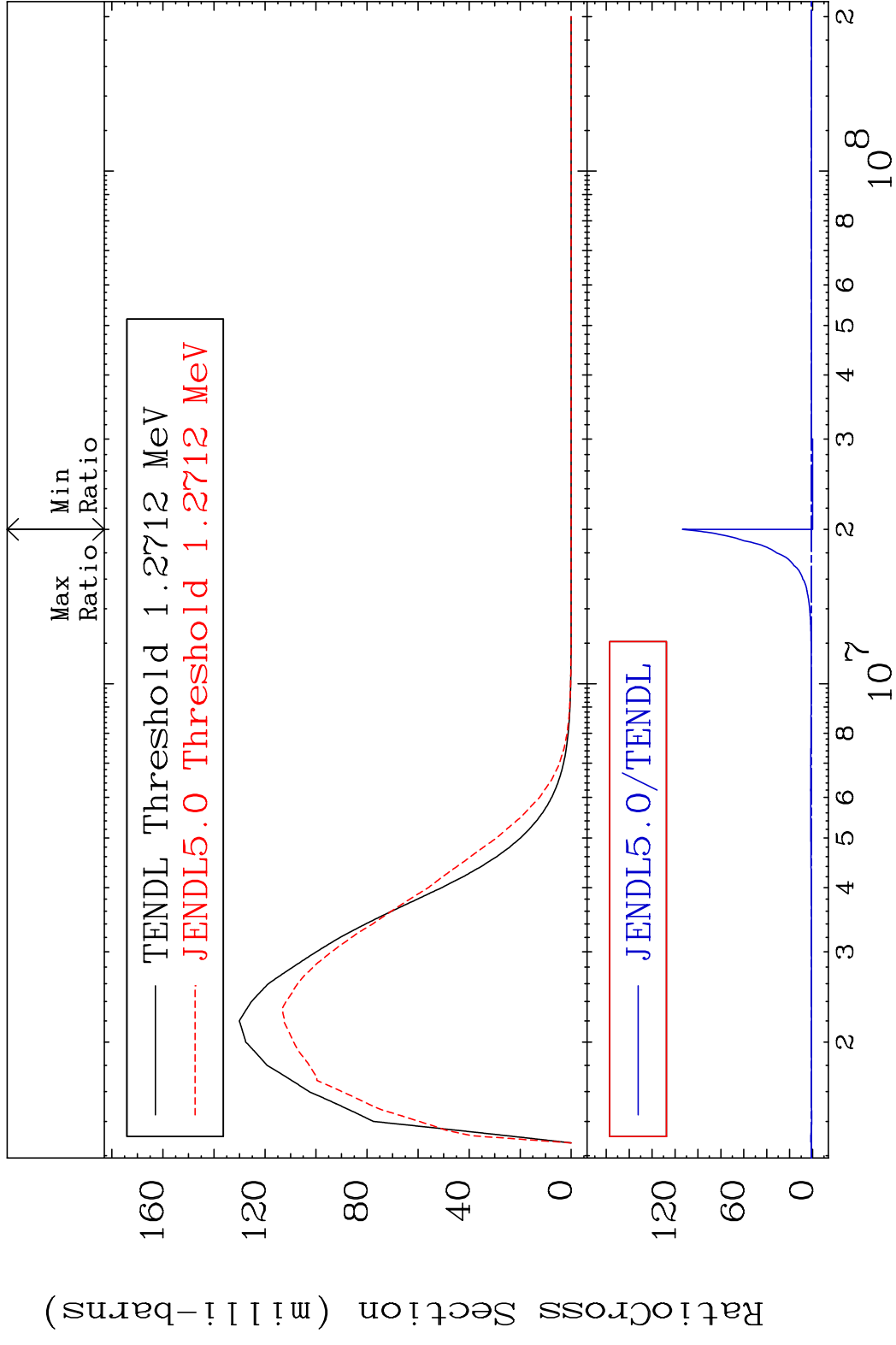


14 Incident Energy (eV) 28-Ni-63

MAT 2840 MT= 55 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 28.24 %

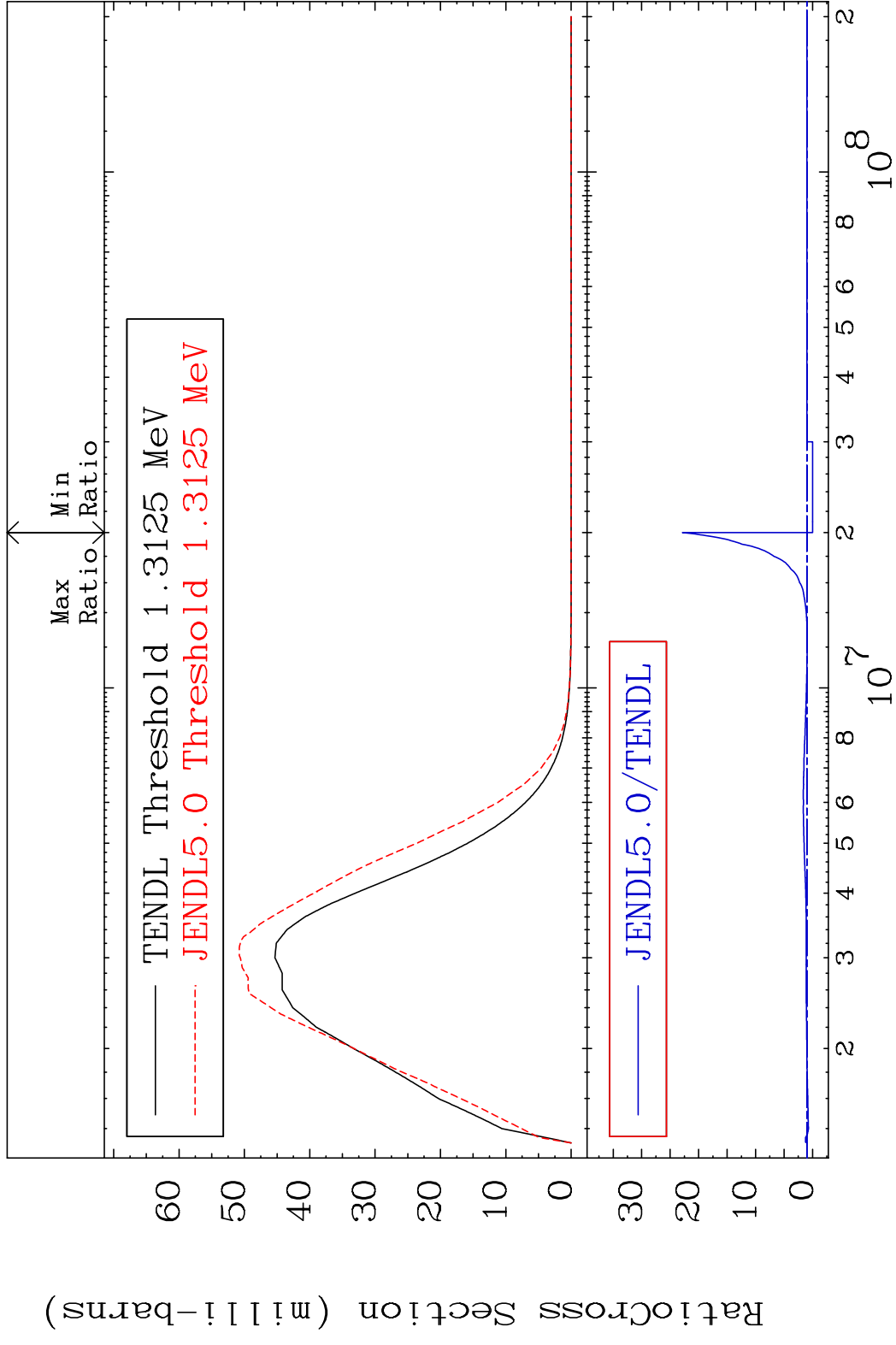


MAT 2840 MT= 56 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %

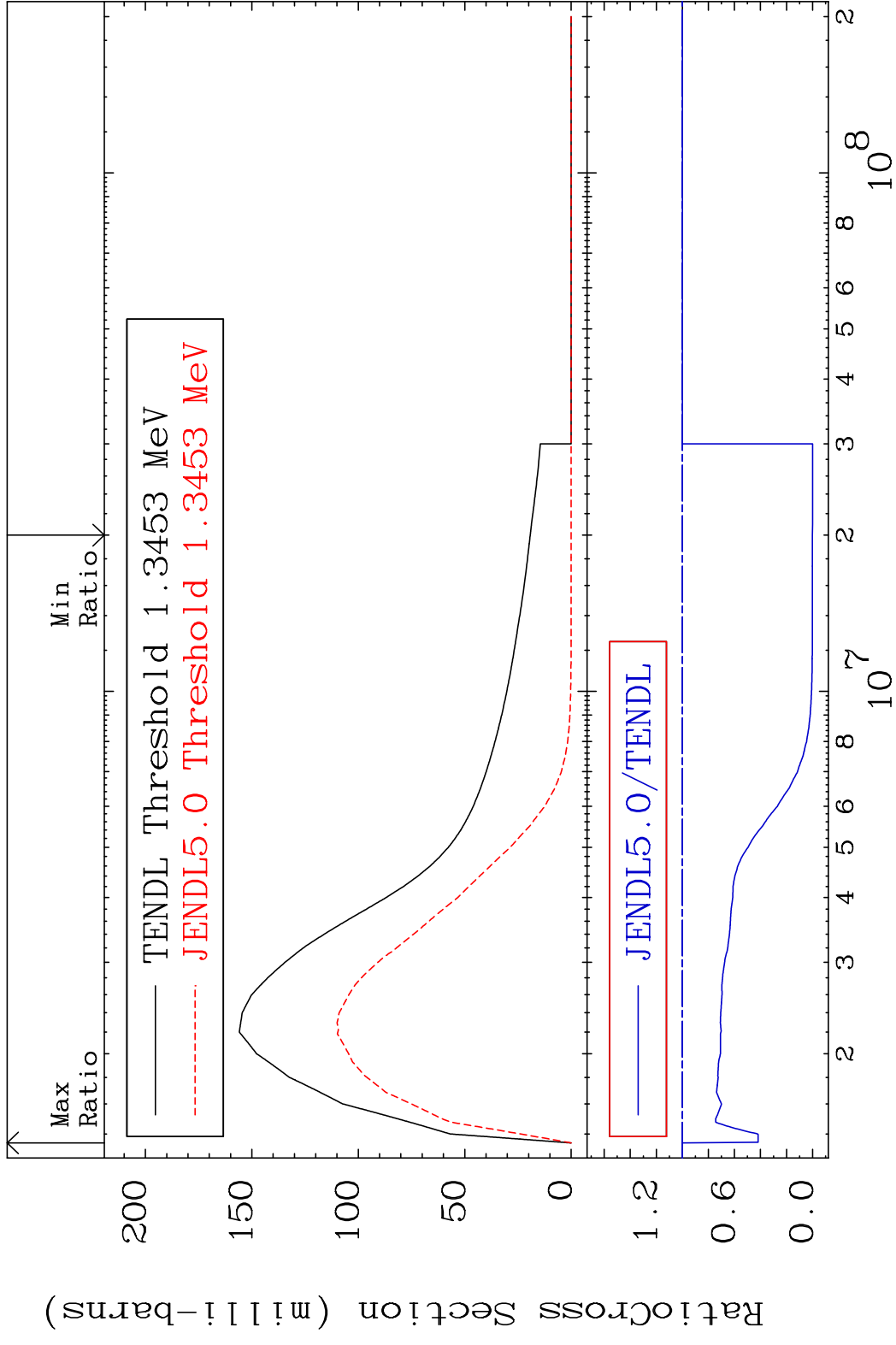


16 Incident Energy (eV) 28-Ni-63

MAT 2840 MT= 57 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 2186. %

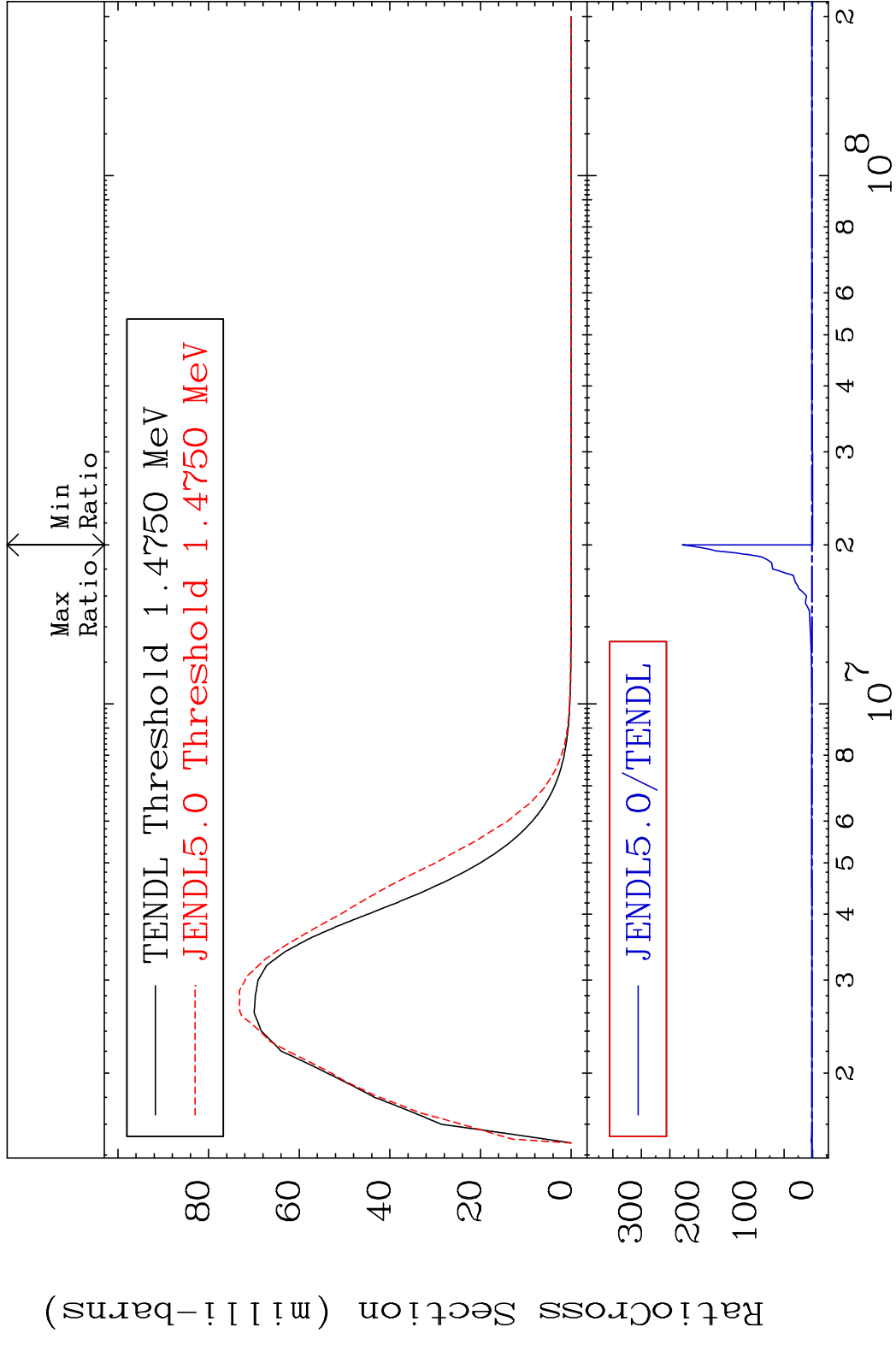


MAT 2840 MT= 58 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 0.000 %

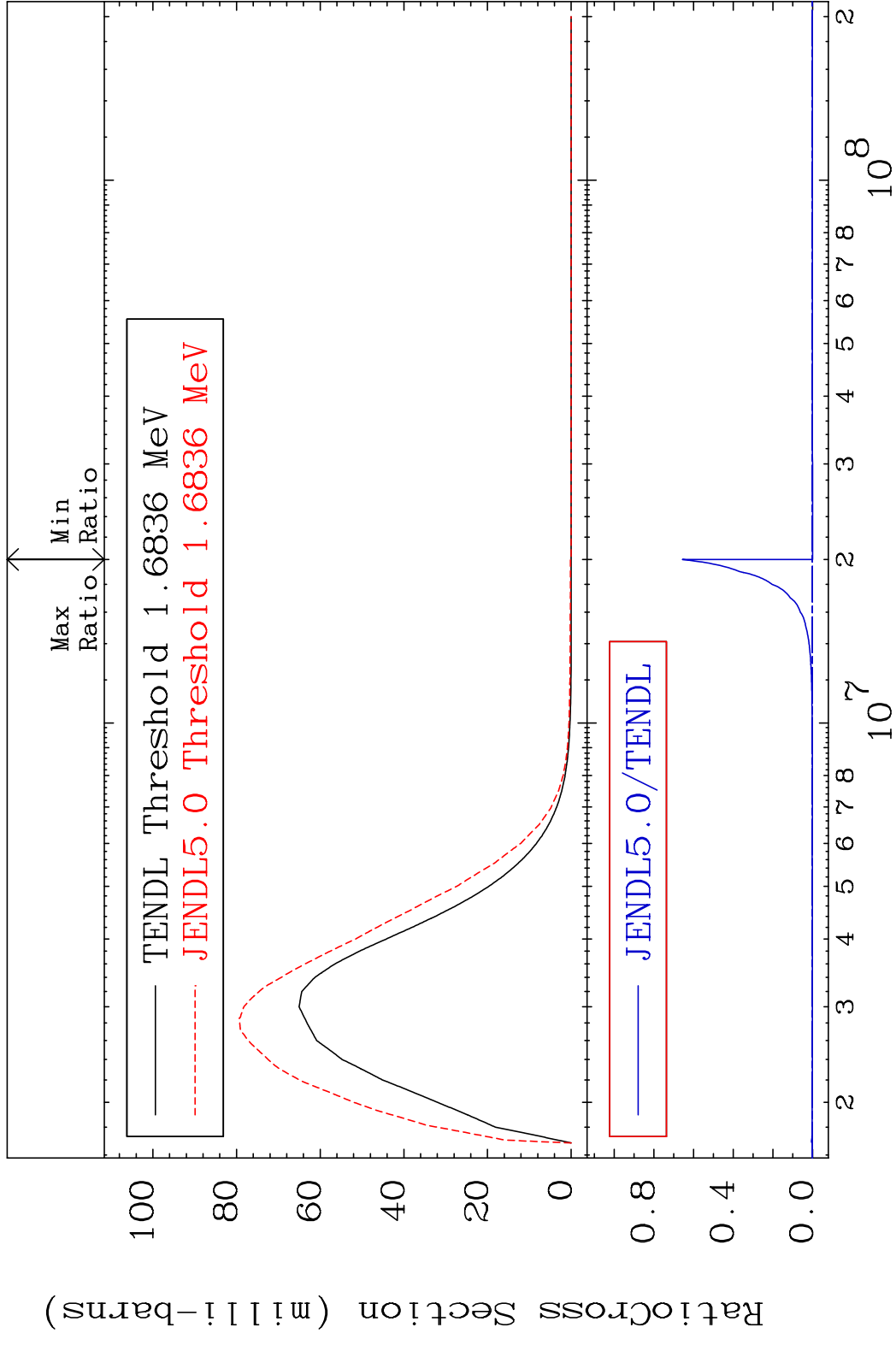


18 Incident Energy (eV) 28-Ni-63

MAT 2840 MT= 59 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %

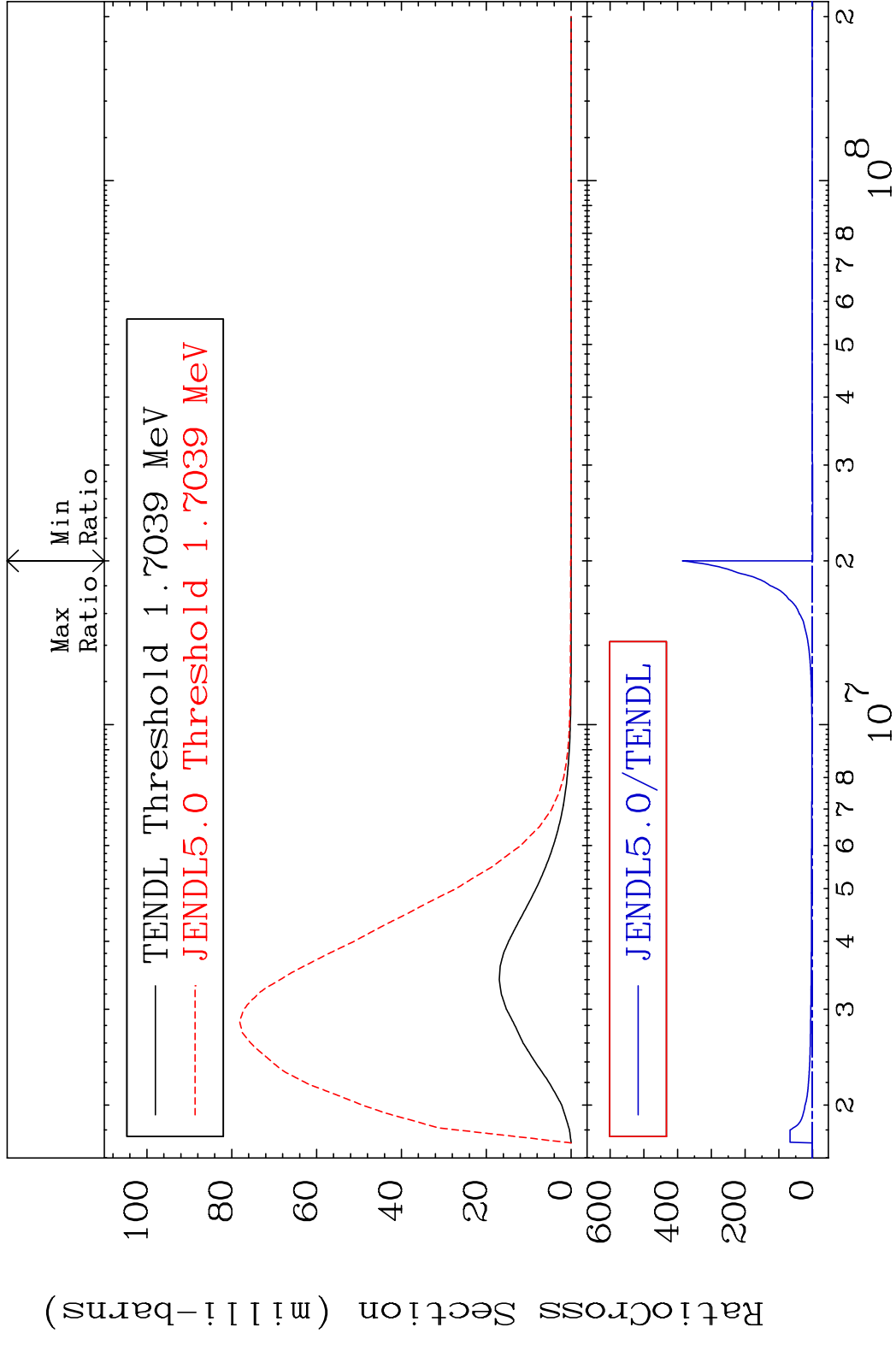


MAT 2840 MT= 60 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %

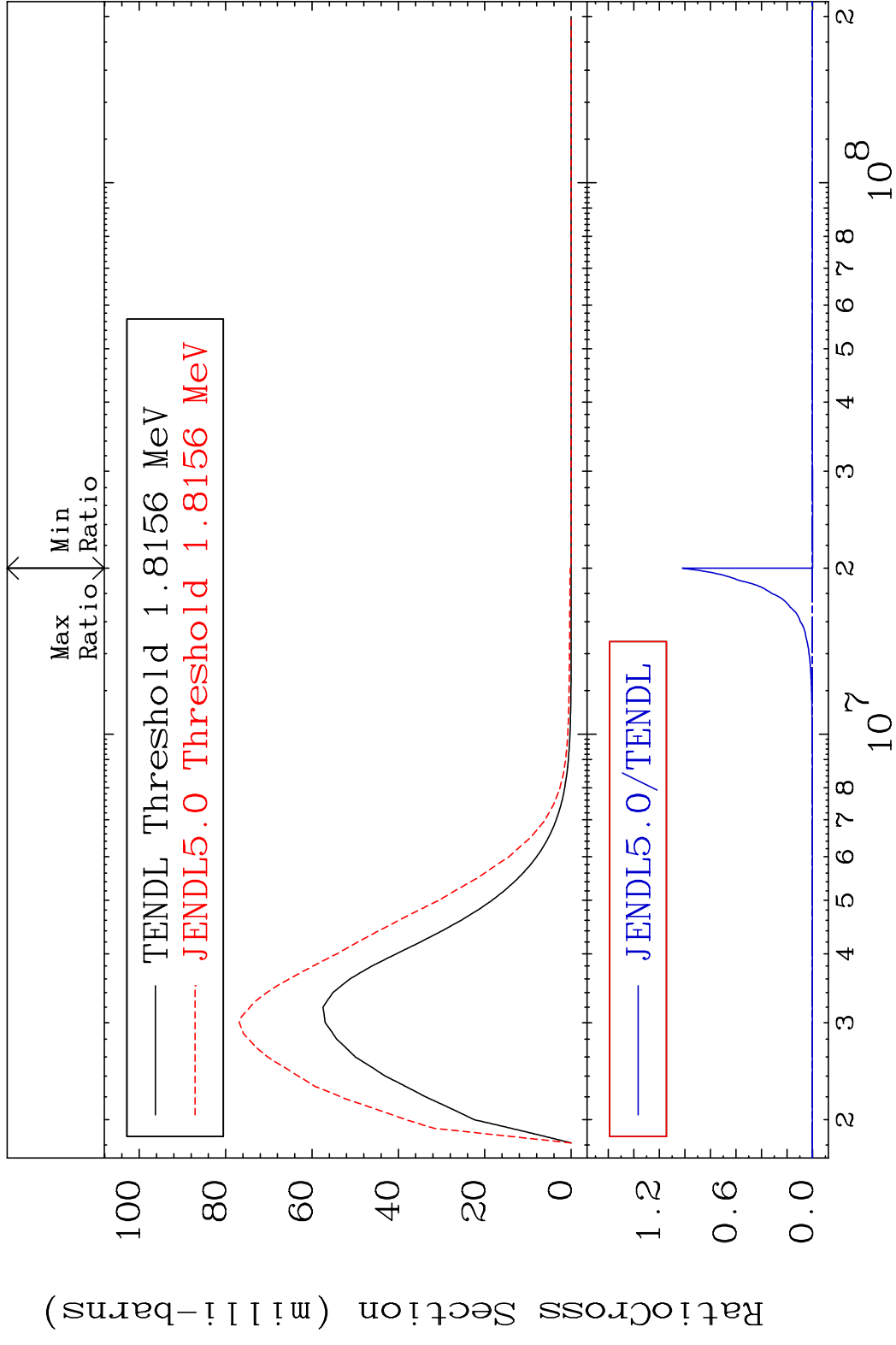


20 Incident Energy (eV) 28-Ni-63

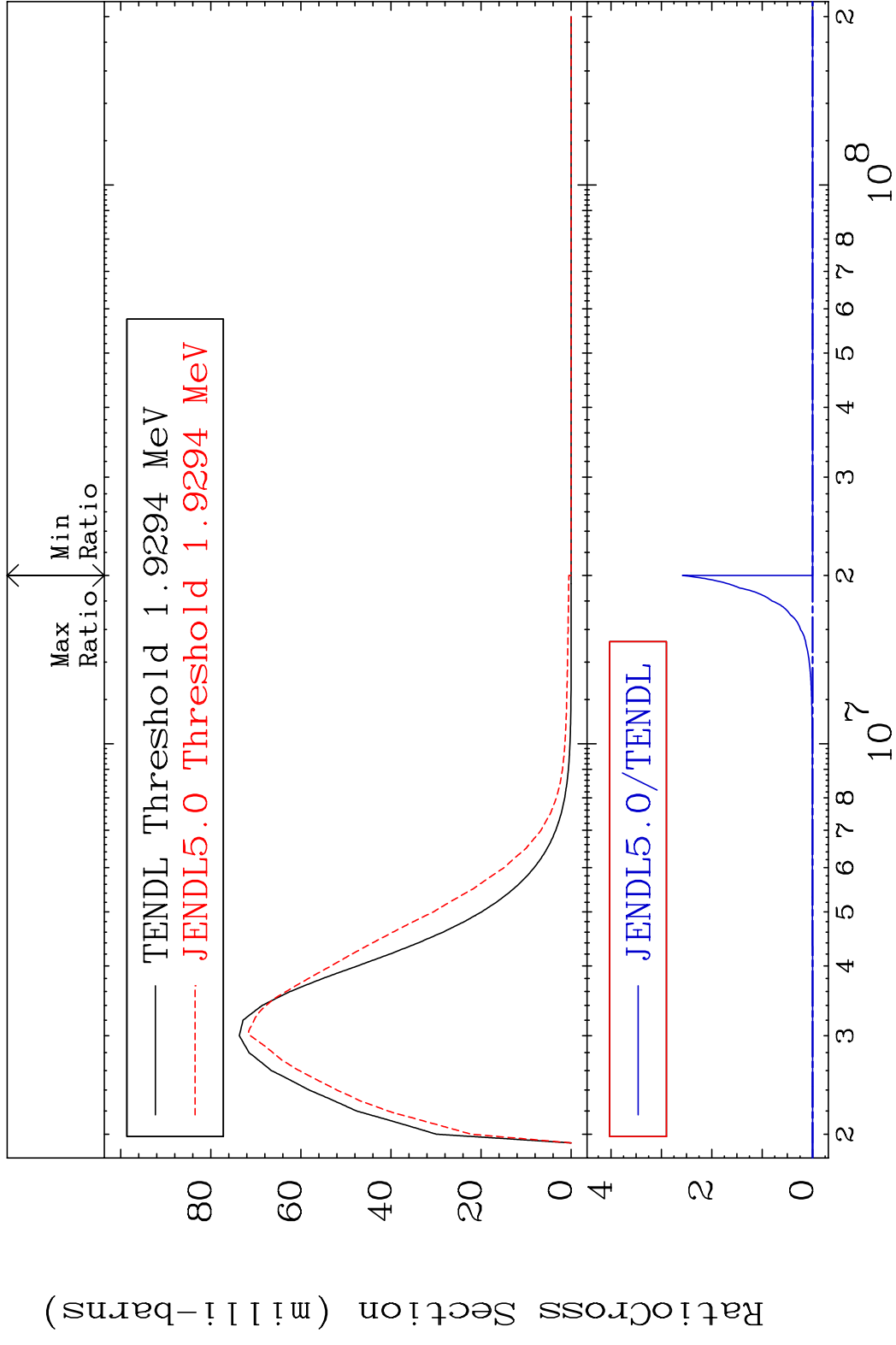
MAT 2840 MT= 61 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



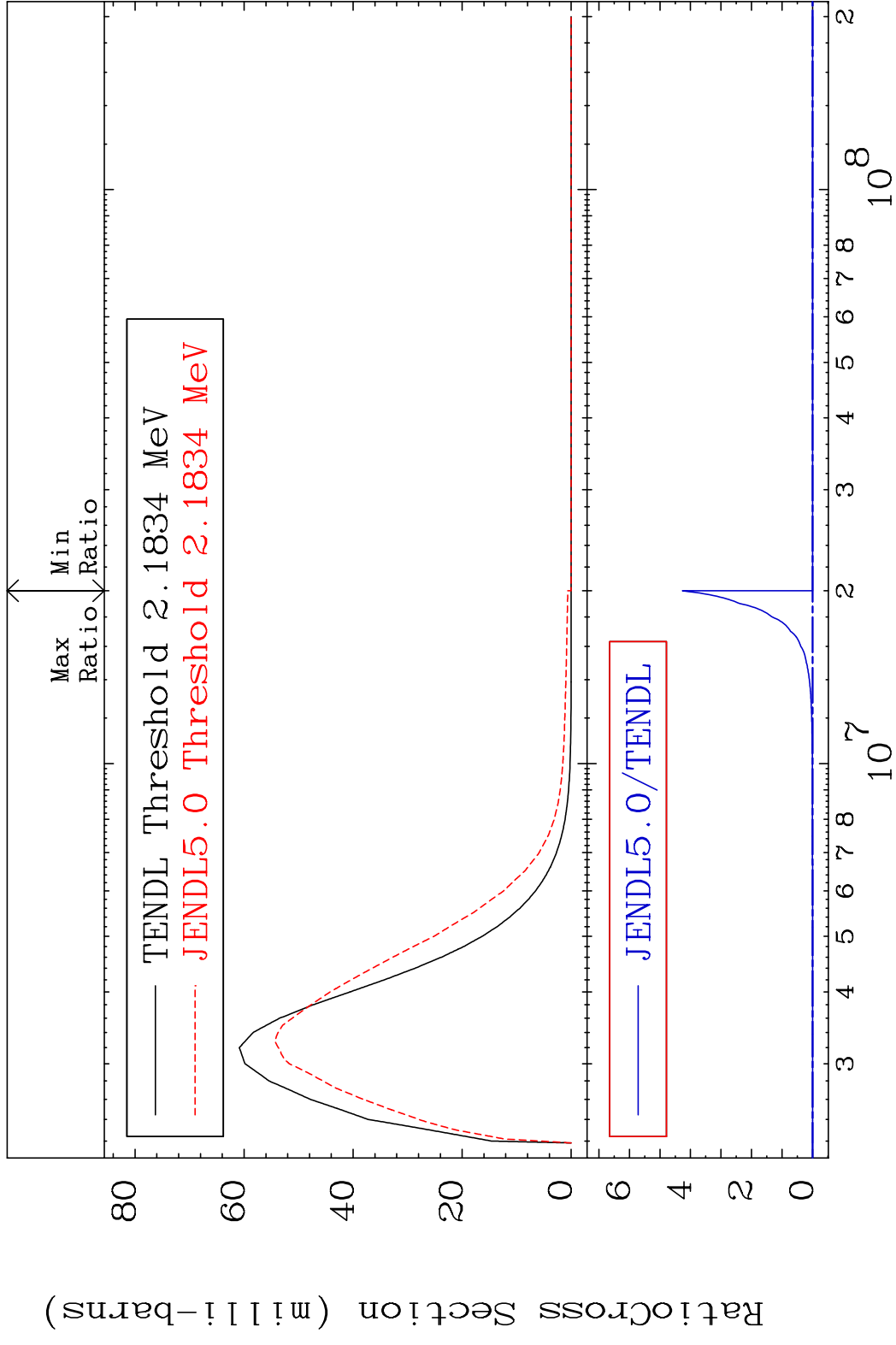
MAT 2840 MT= 62 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



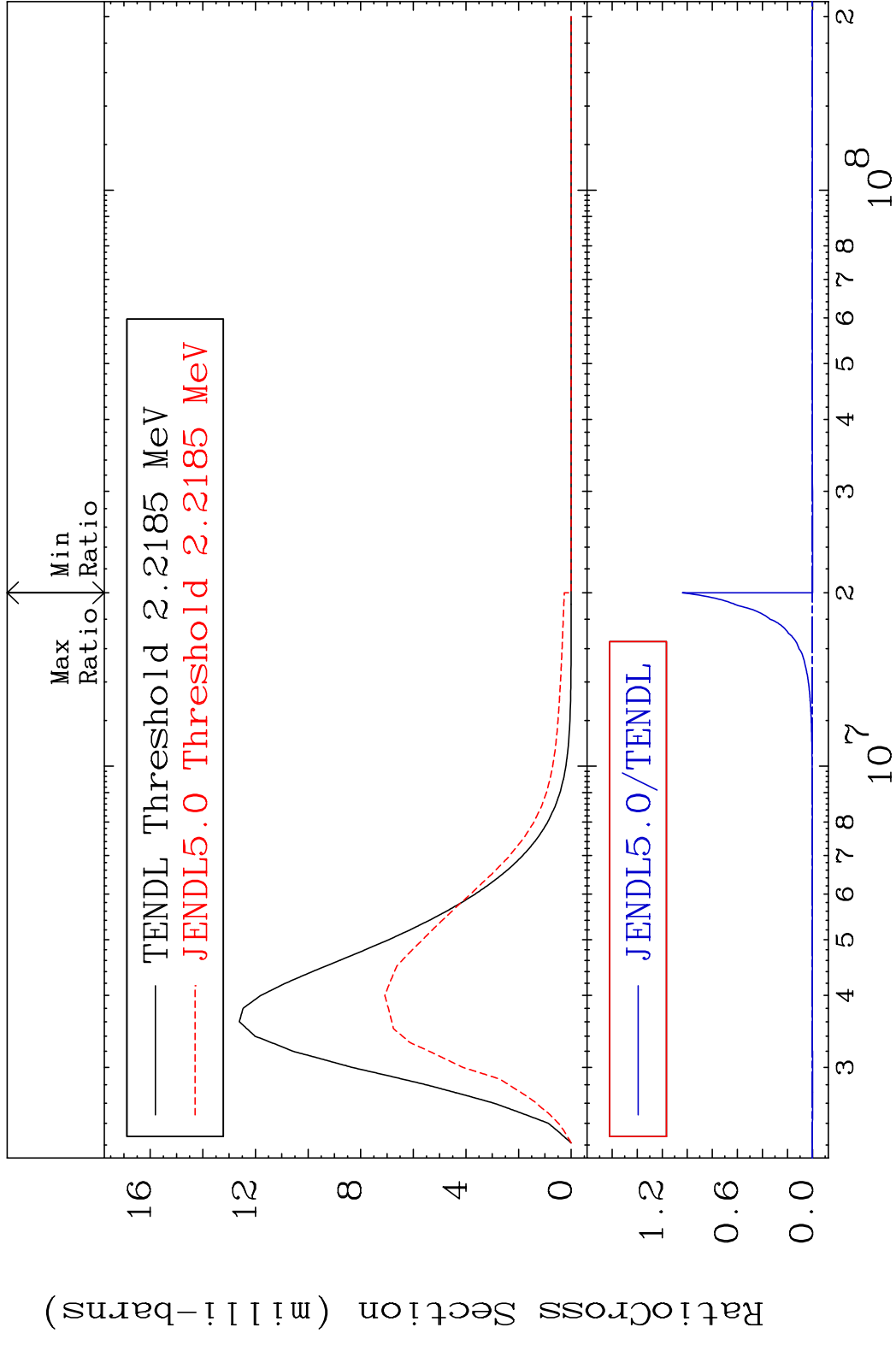
MAT 2840 MT= 63 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



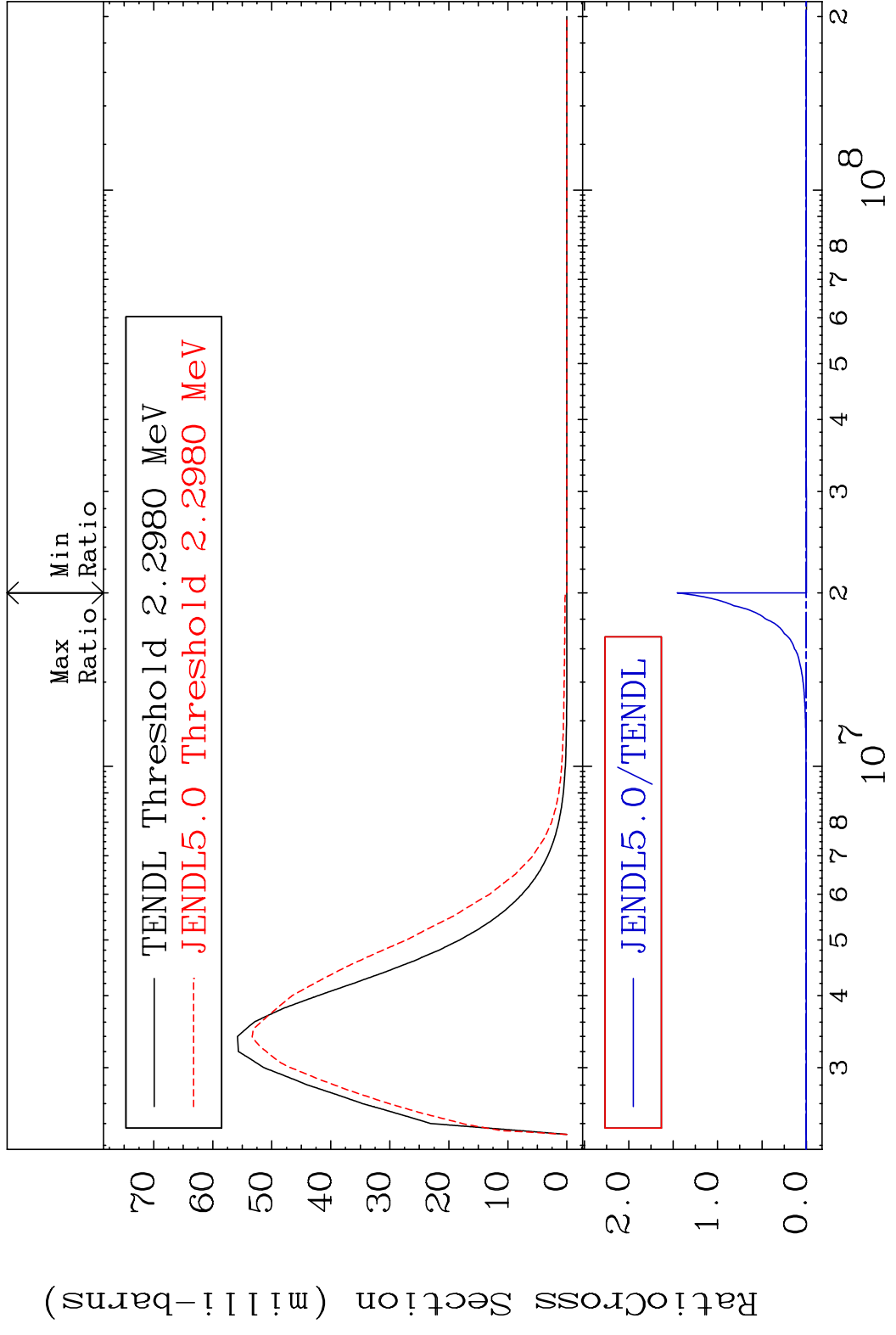
MAT 2840 MT= 64 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



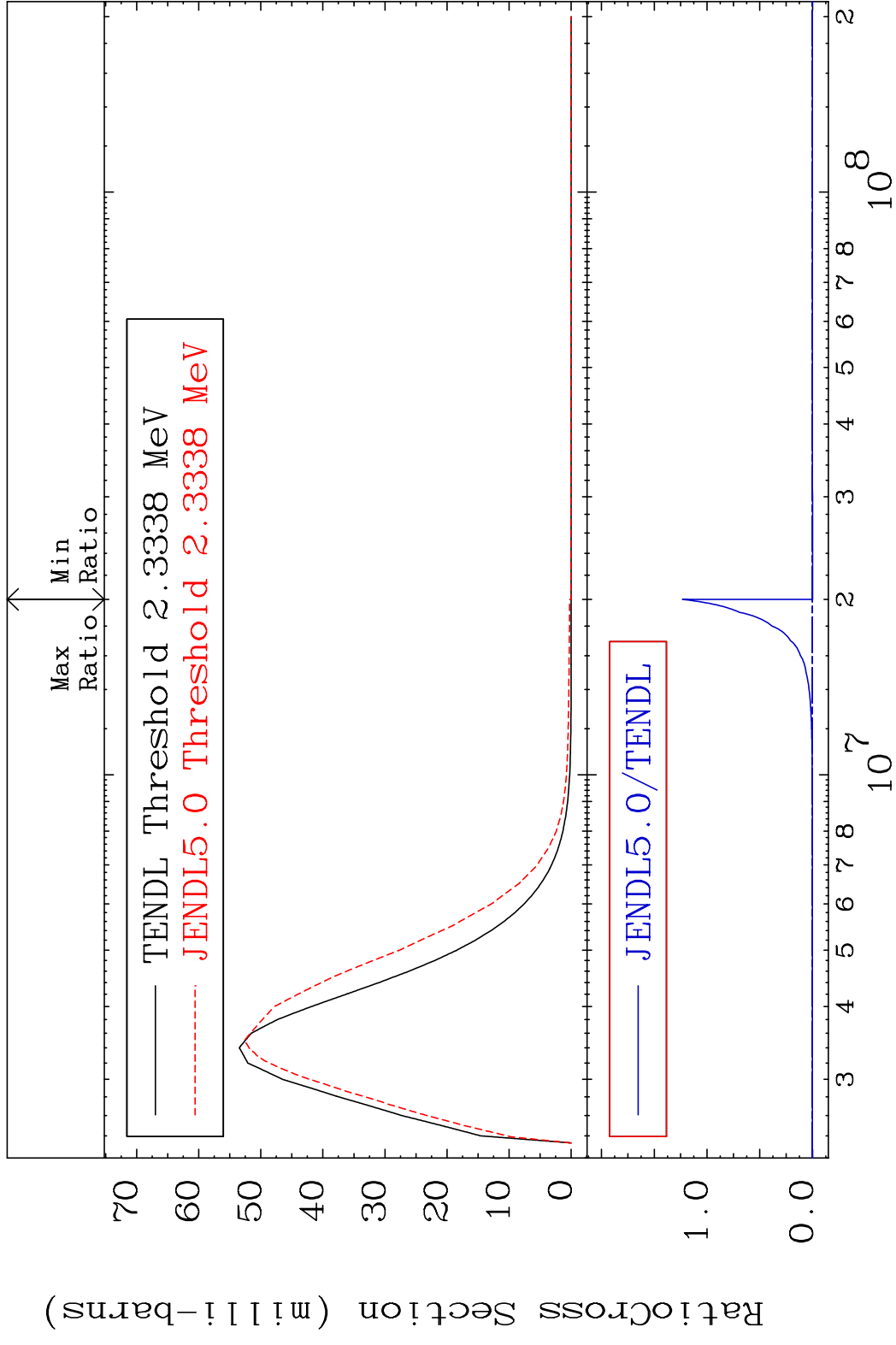
MAT 2840 MT= 65 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



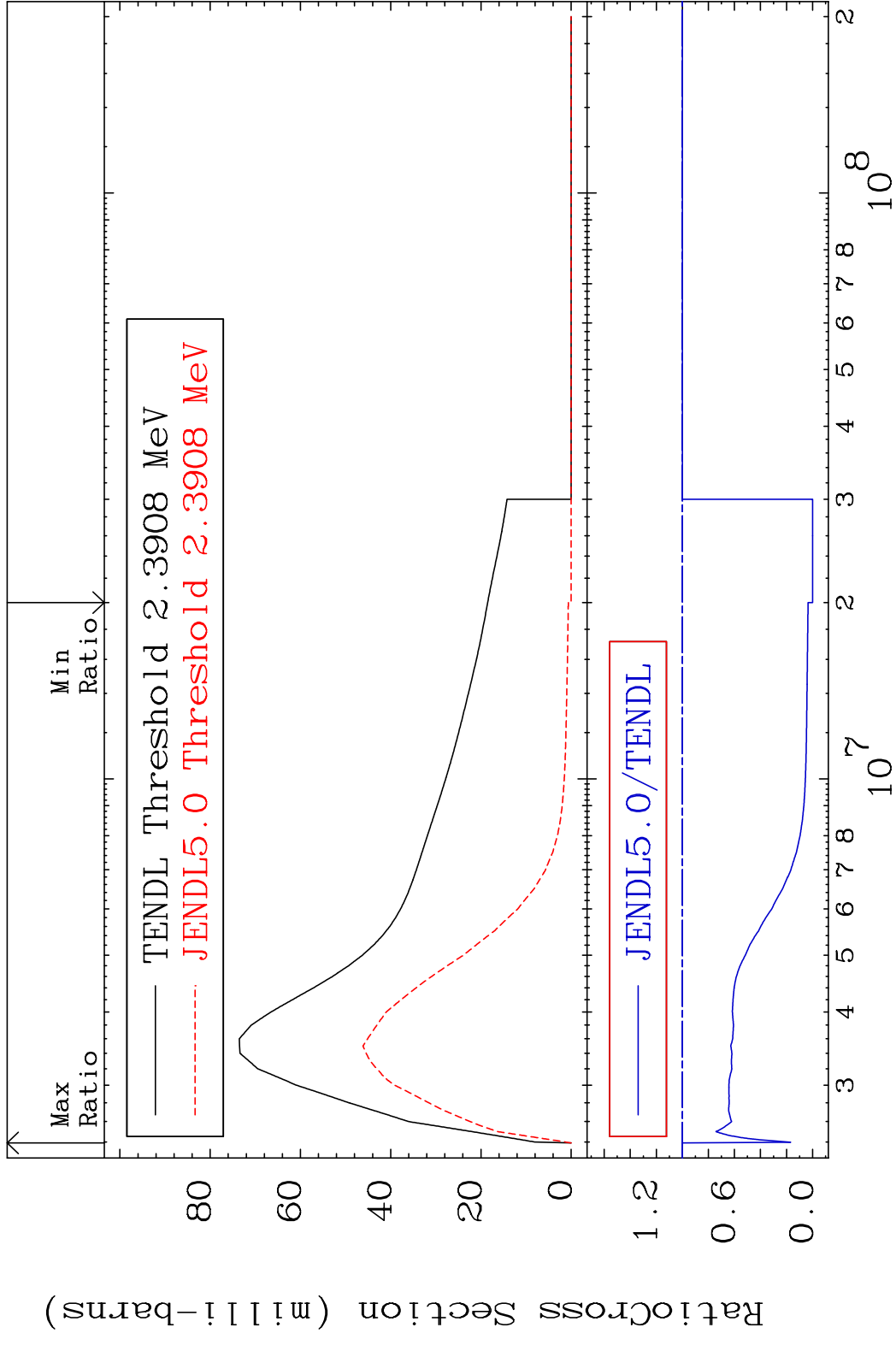
MAT 2840 MT= 66 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



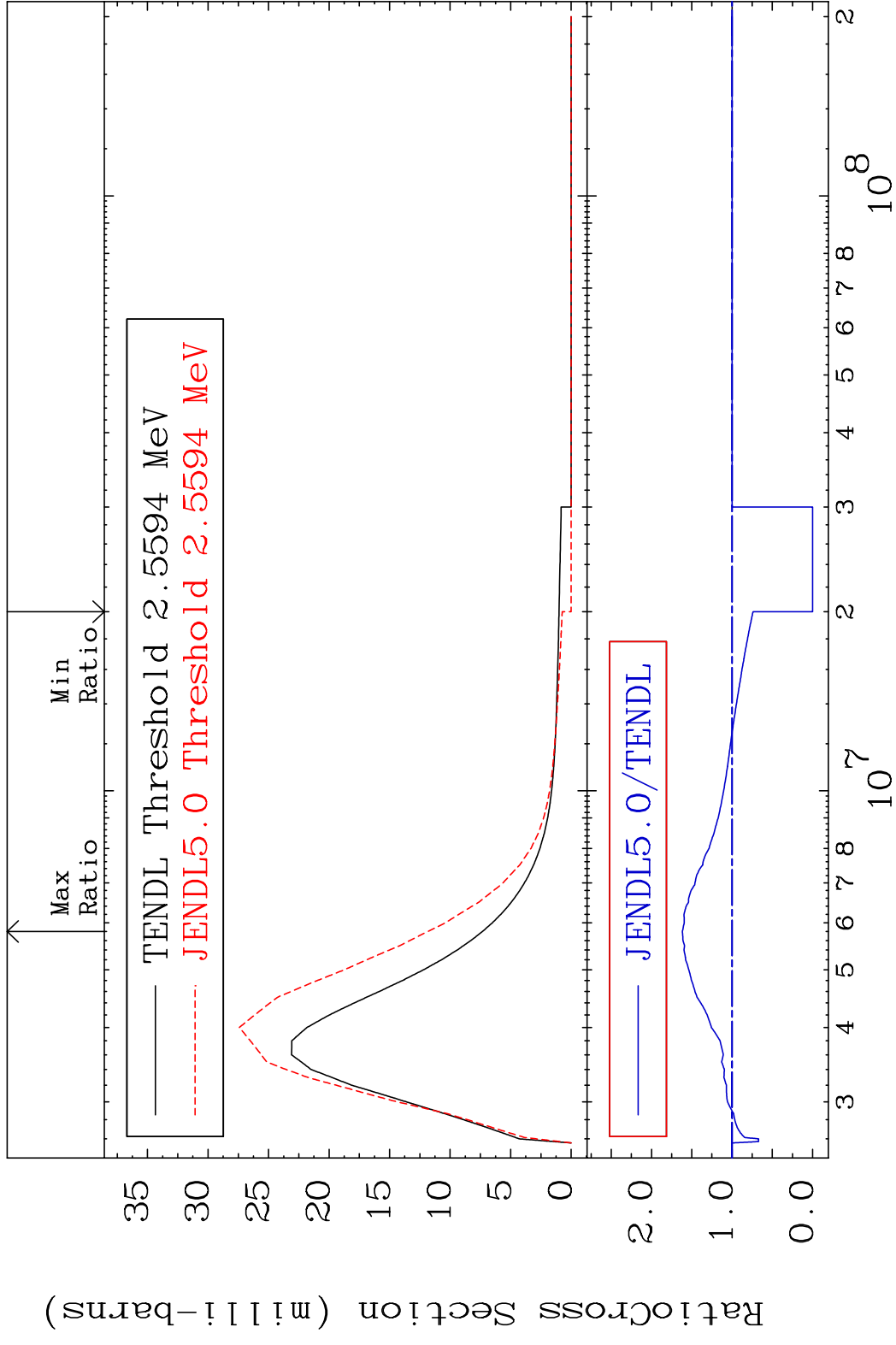
MAT 2840 MT= 67 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



MAT 2840 MT= 68 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 0.000 %

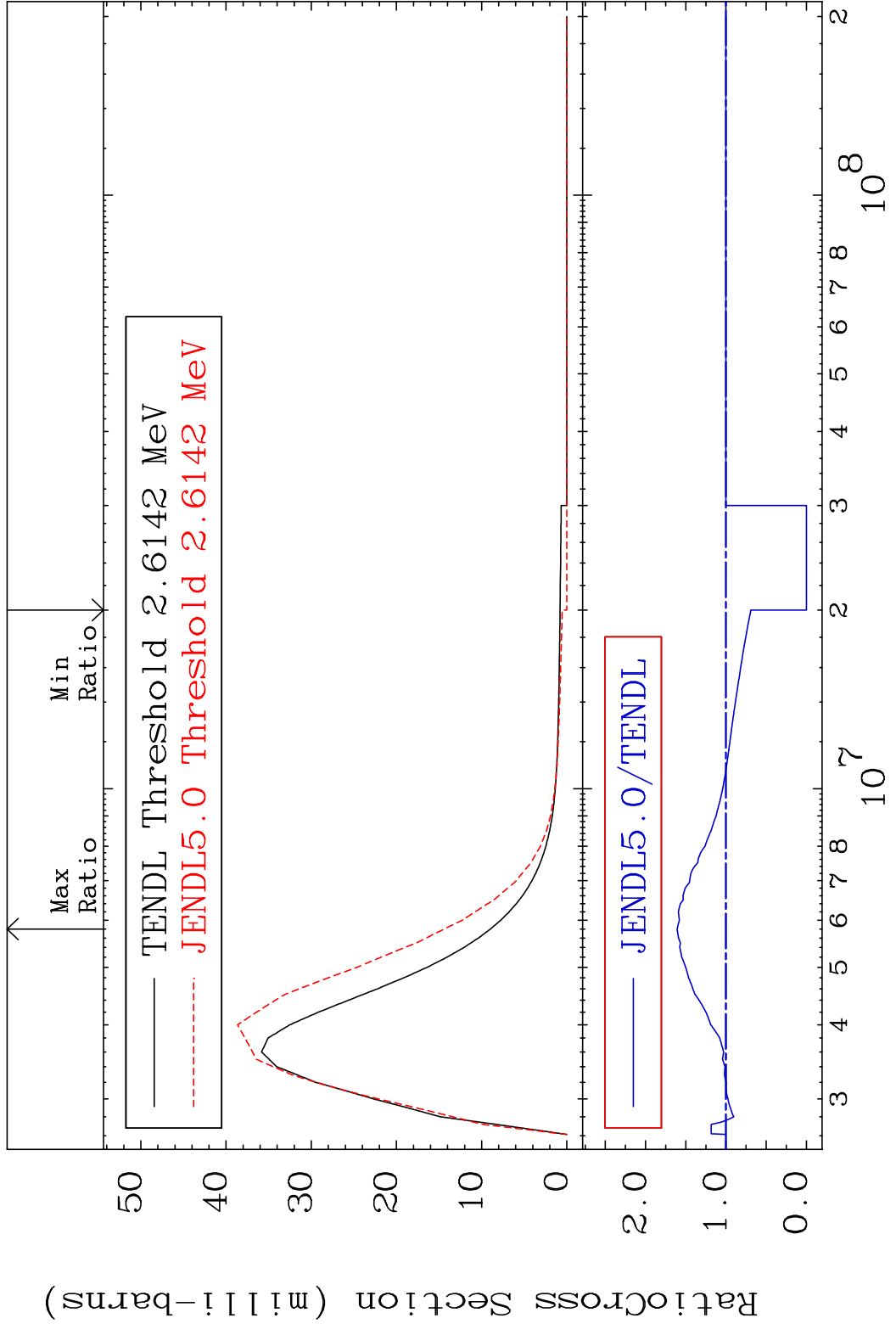


MAT 2840 MT= 69 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 61.71 %



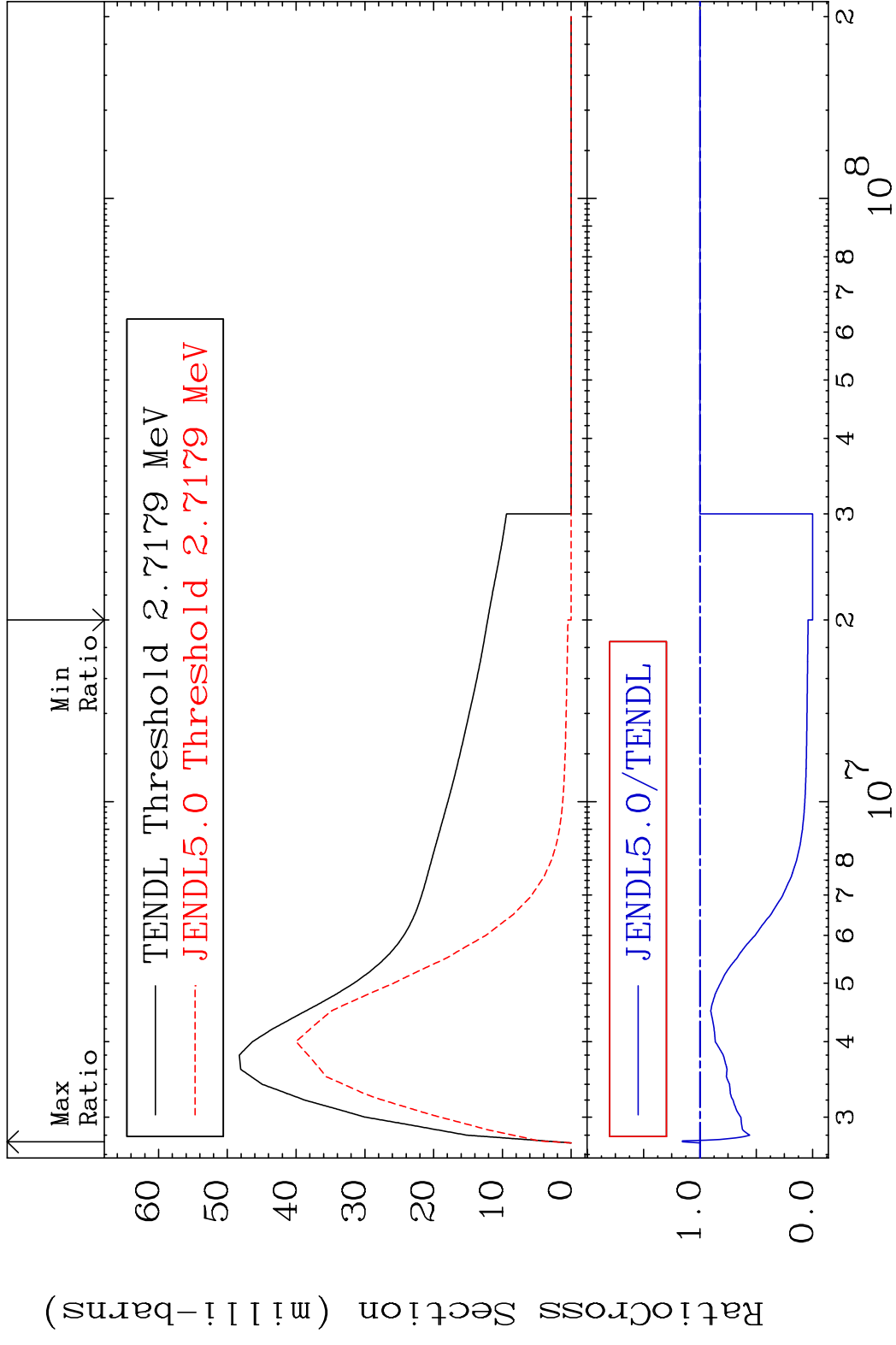
29 Incident Energy (eV) 28-Ni-63

MAT 2840 MT= 70 (n,n') Level 28-Ni-63  
 Cross Section -100.0 To 60.66 %

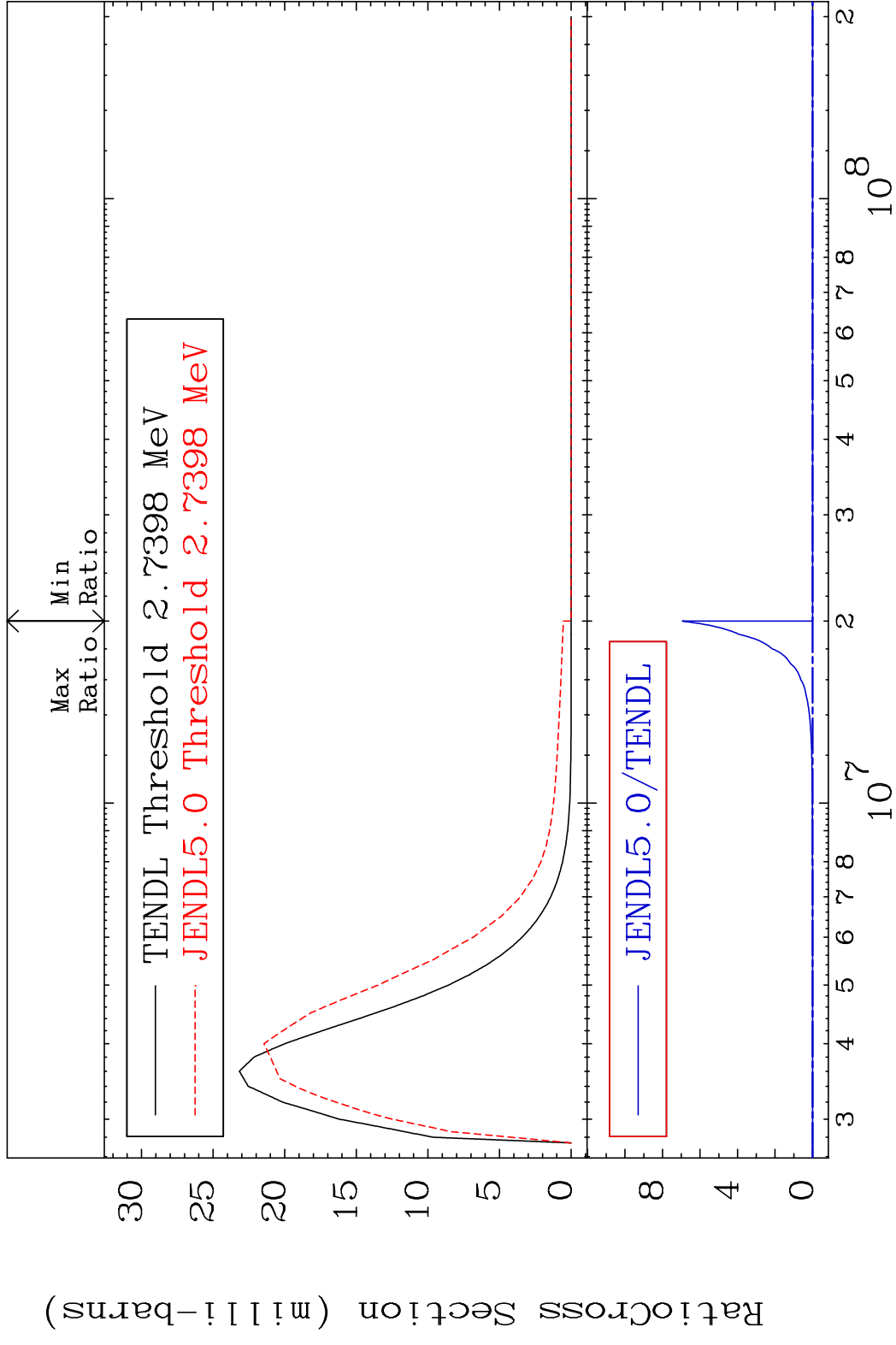


30 28-Ni-63

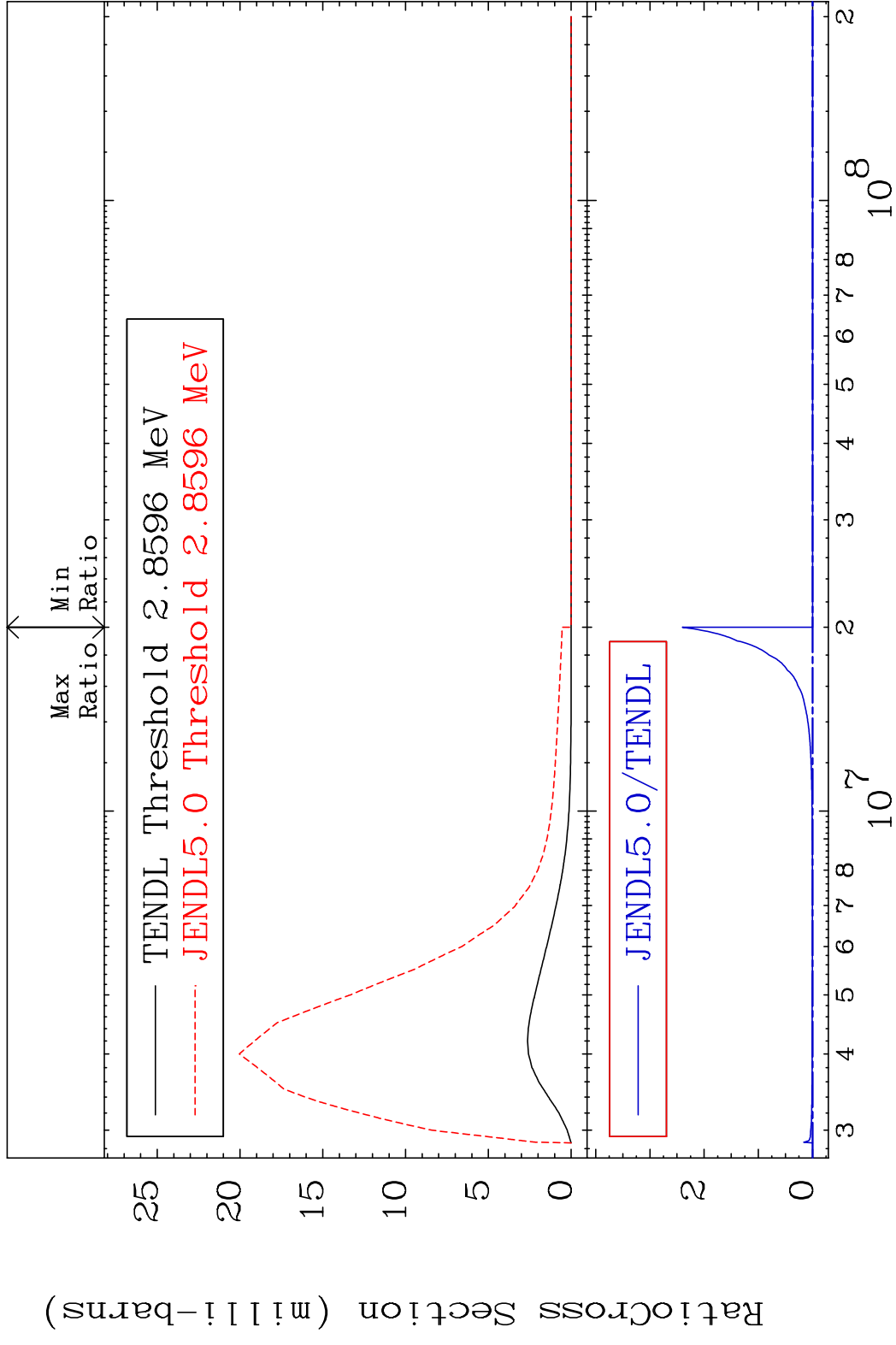
MAT 2840 MT= 71 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 15.59 %



MAT 2840 MT= 72 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %

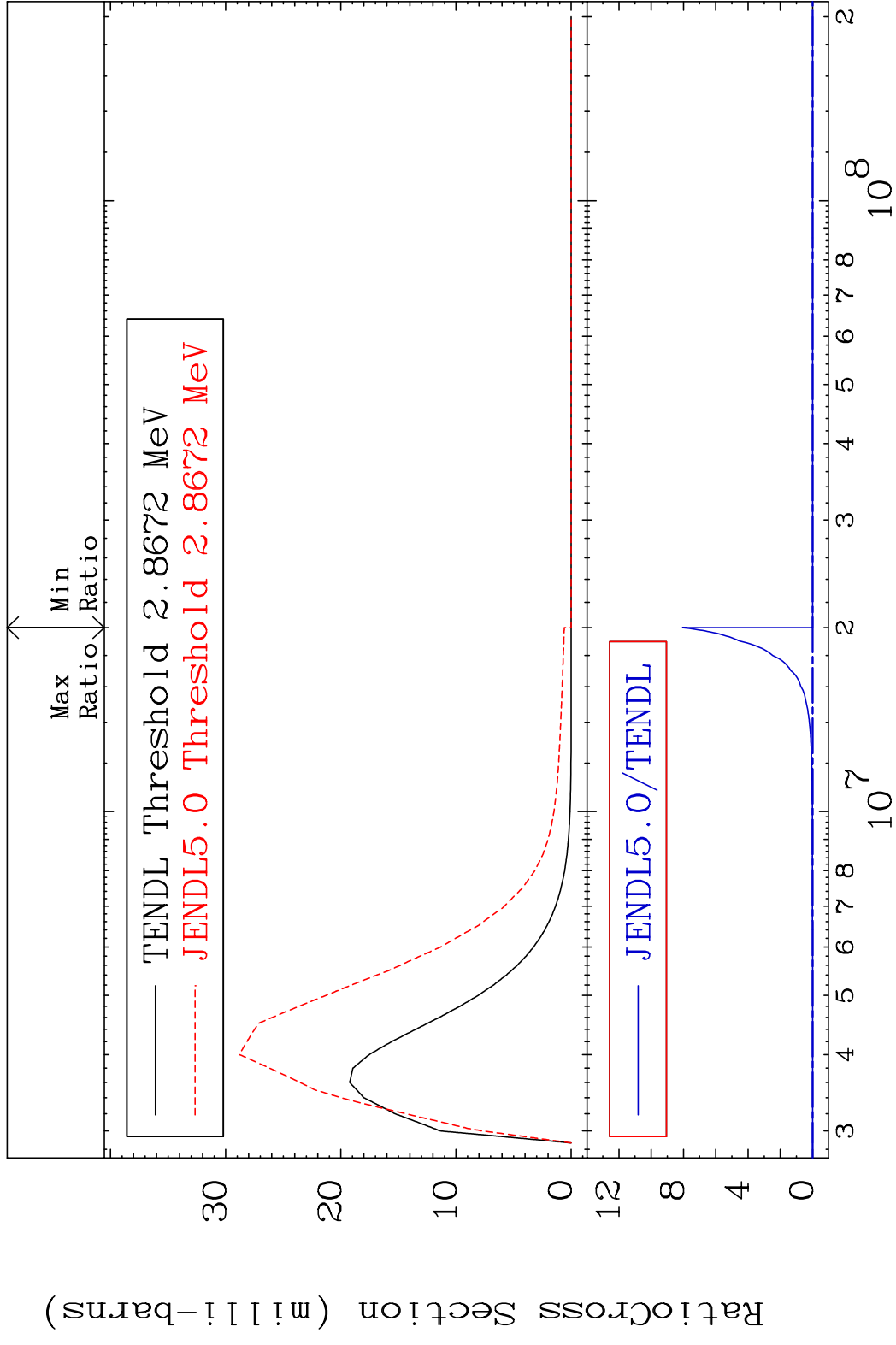


MAT 2840 MT= 73 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %

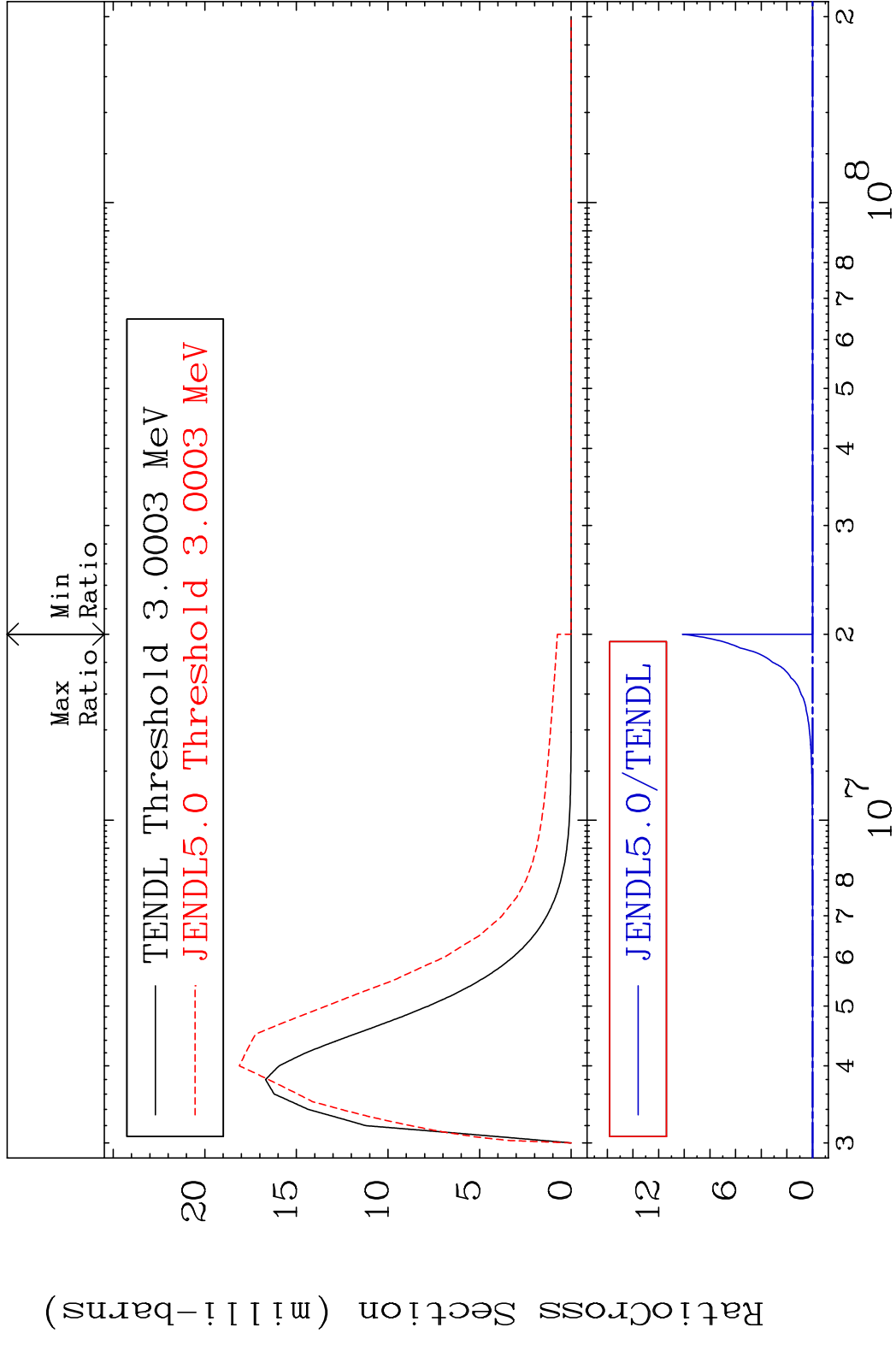


33 Incident Energy (eV) 28-Ni-63

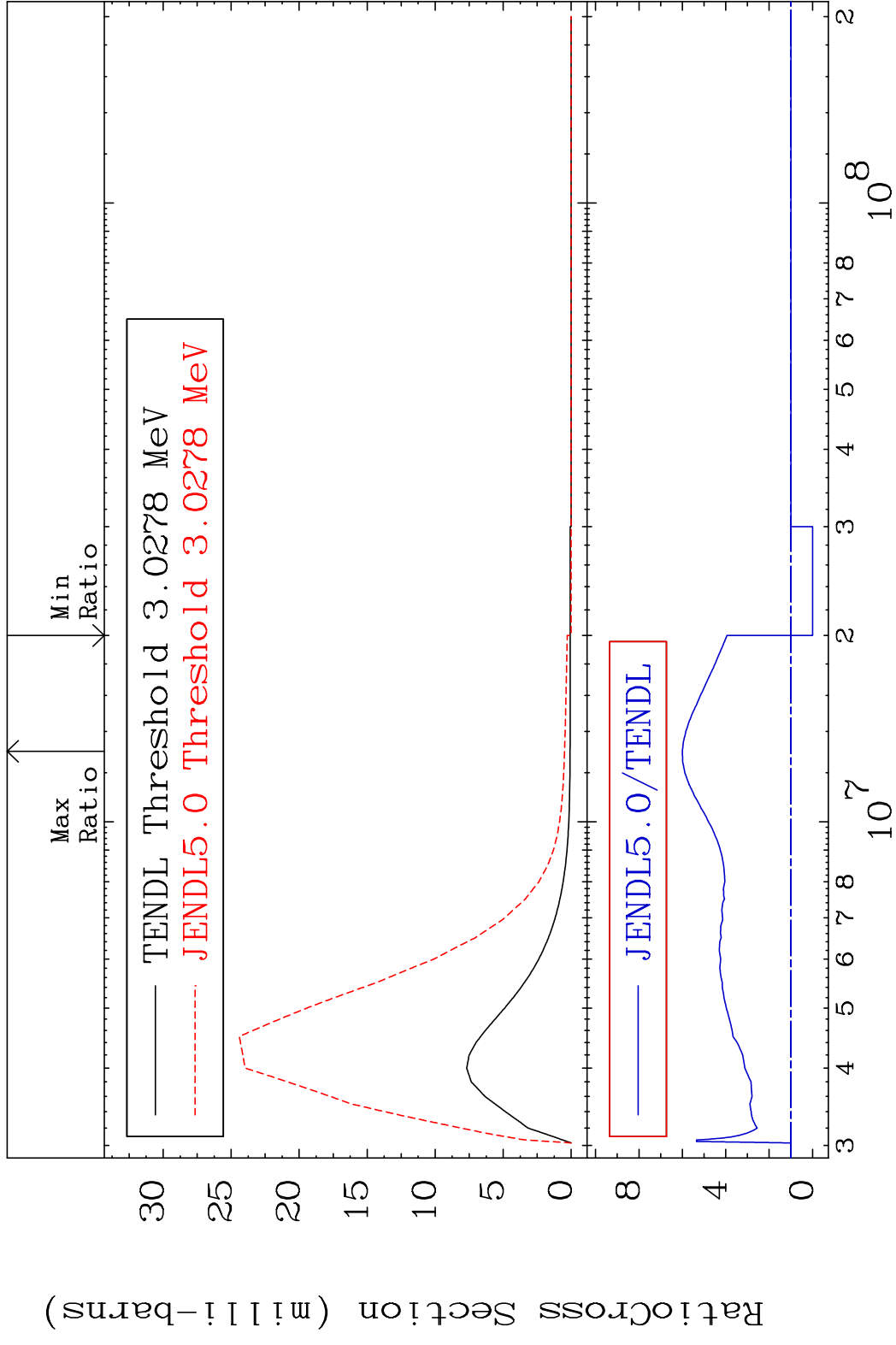
MAT 2840 MT= 74 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



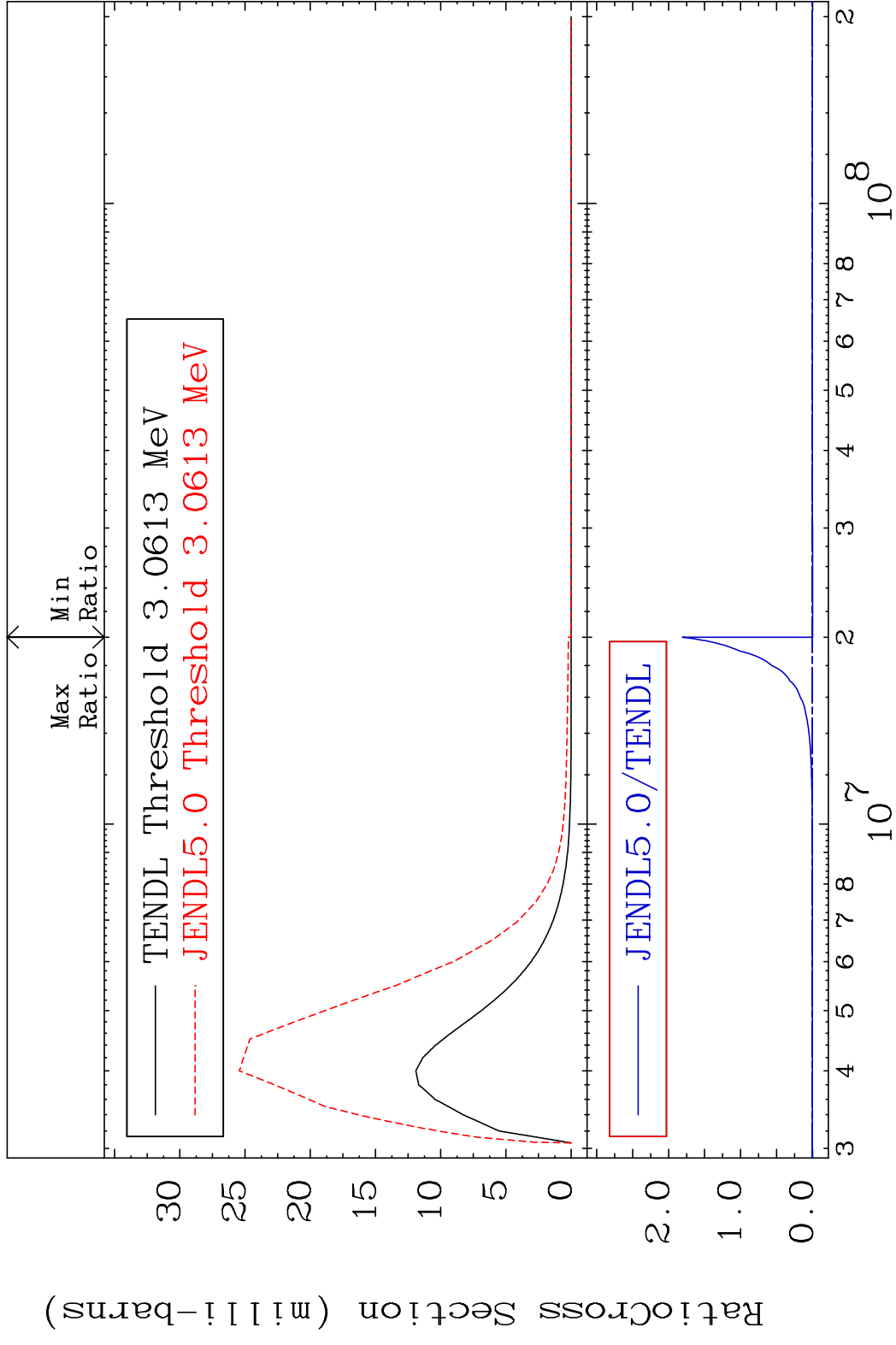
MAT 2840 MT= 75 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



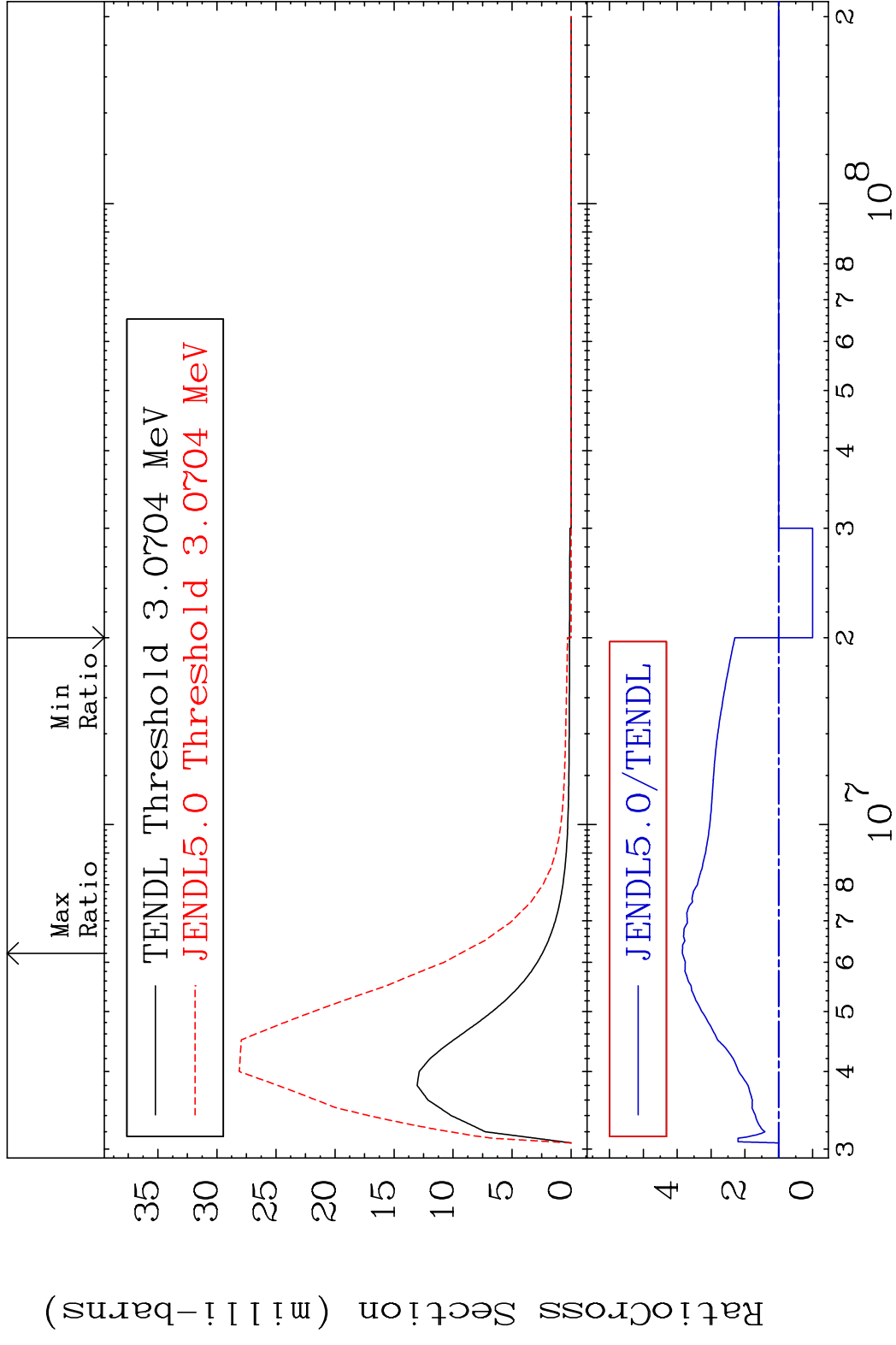
MAT 2840 MT= 76 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 500.0 %



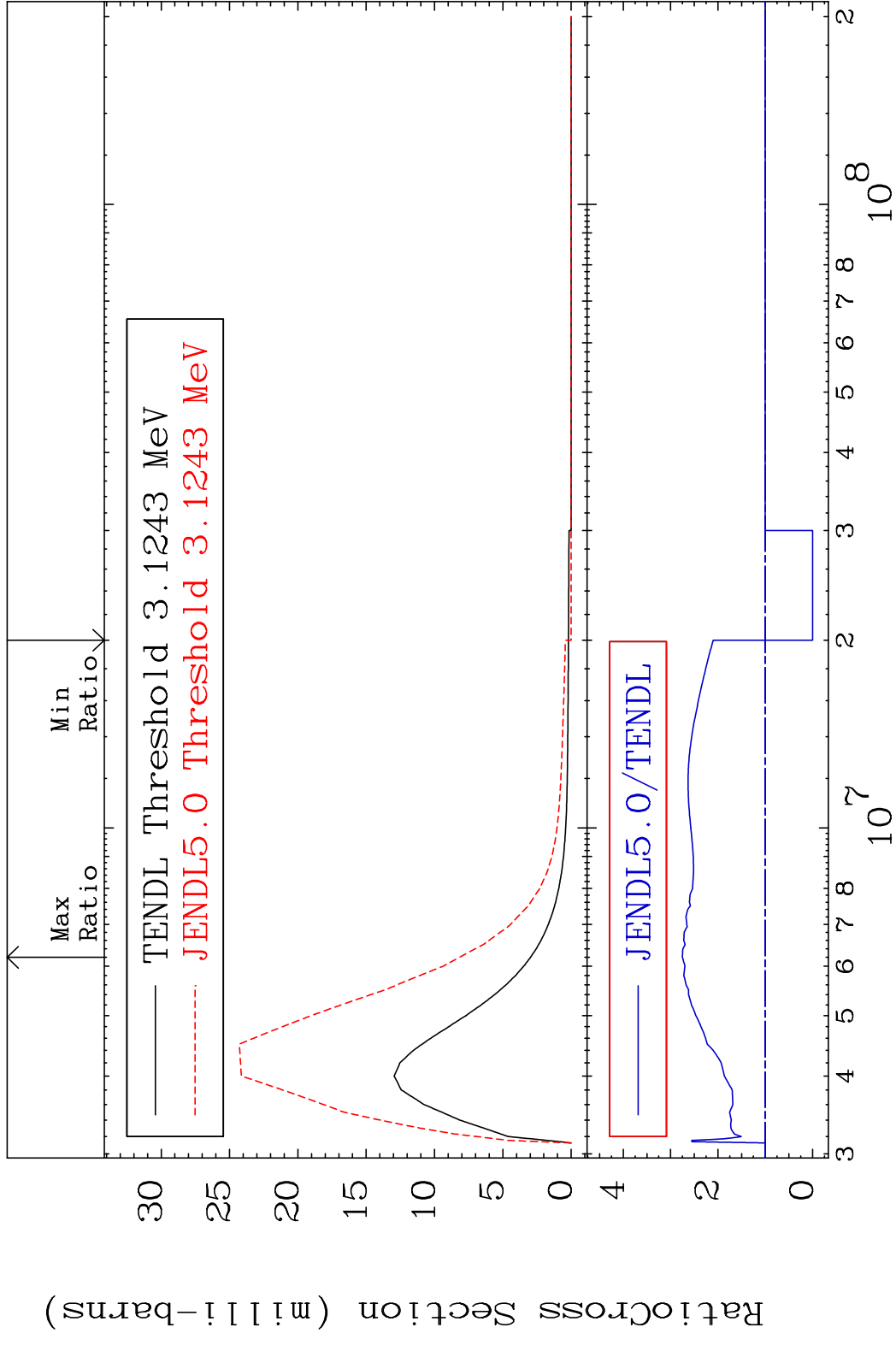
MAT 2840 MT= 77 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



MAT 2840 MT= 78 (n,n') Level 28-Ni-63  
 Cross Section -100.0 To 284.7 %

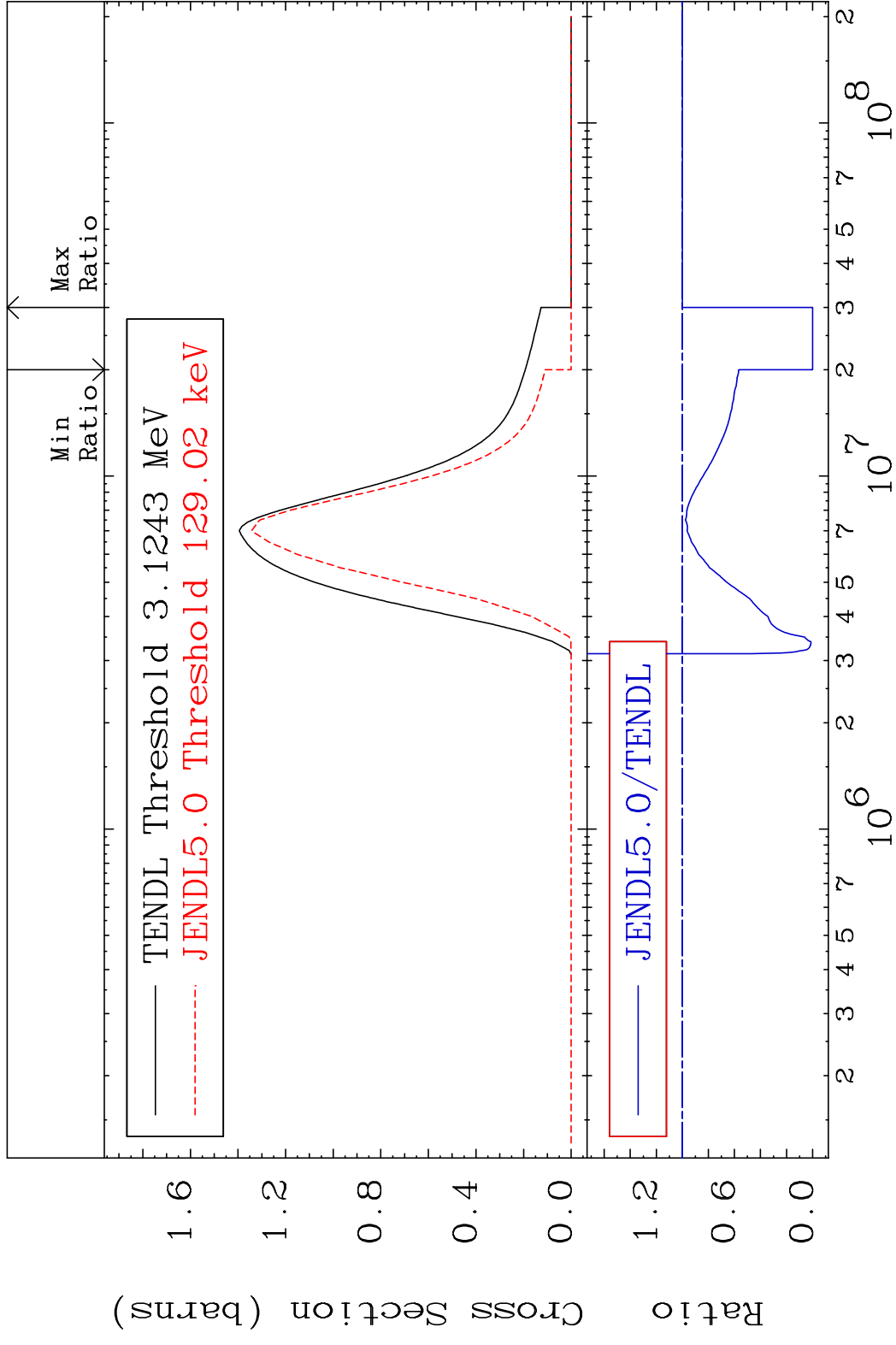


MAT 2840 MT= 79 (n,n') Level 28-Ni-63  
 Cross Section -100.0 To 175.2 %



39 Incident Energy (eV) 28-Ni-63

MAT 2840 (n,n') Continuum 28-Ni-63  
 Cross Section -100.0 To 0.000 %



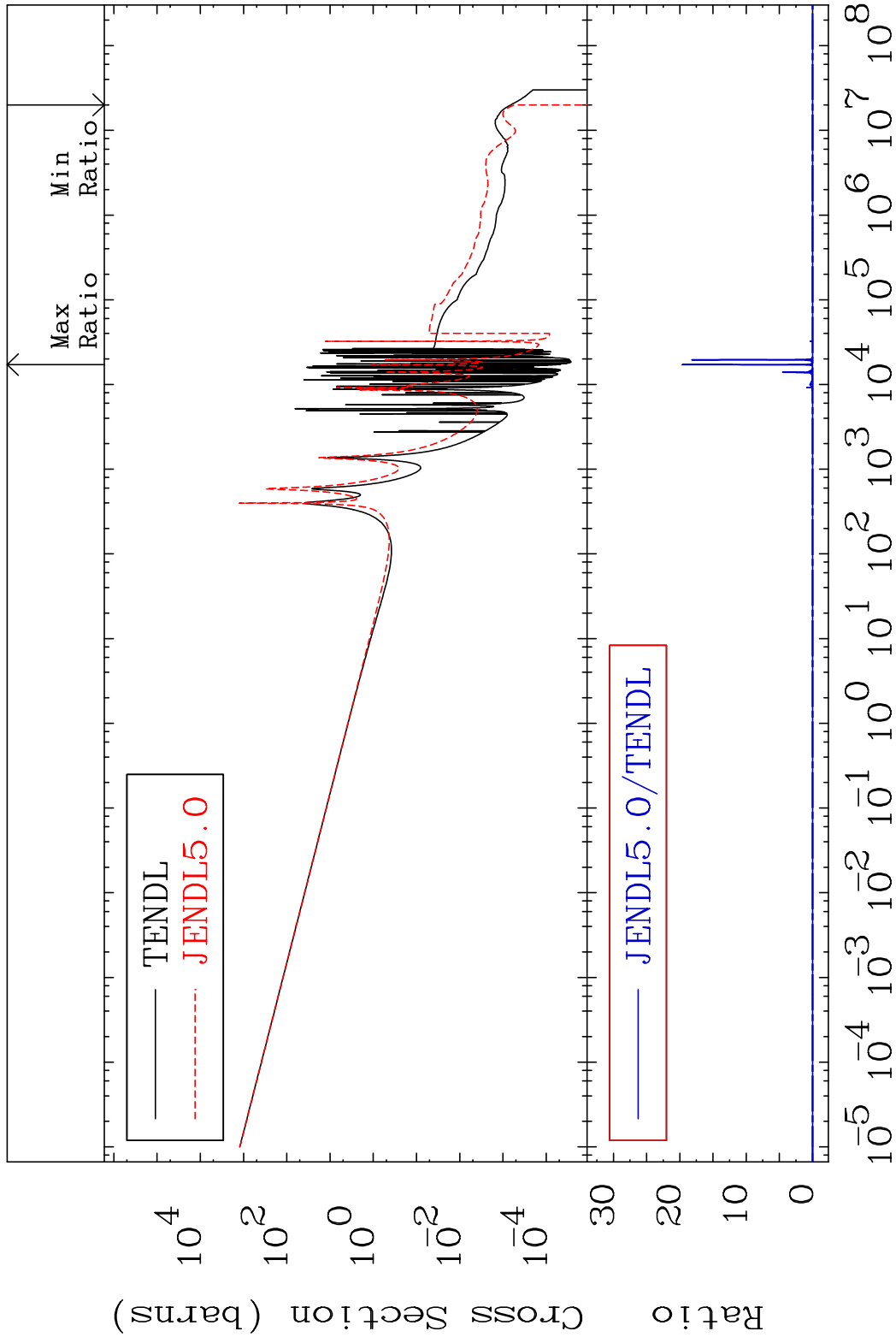
40 Incident Energy (eV) 28-Ni-63

MAT 2840

(n,  $\gamma$ )

28-Ni-63

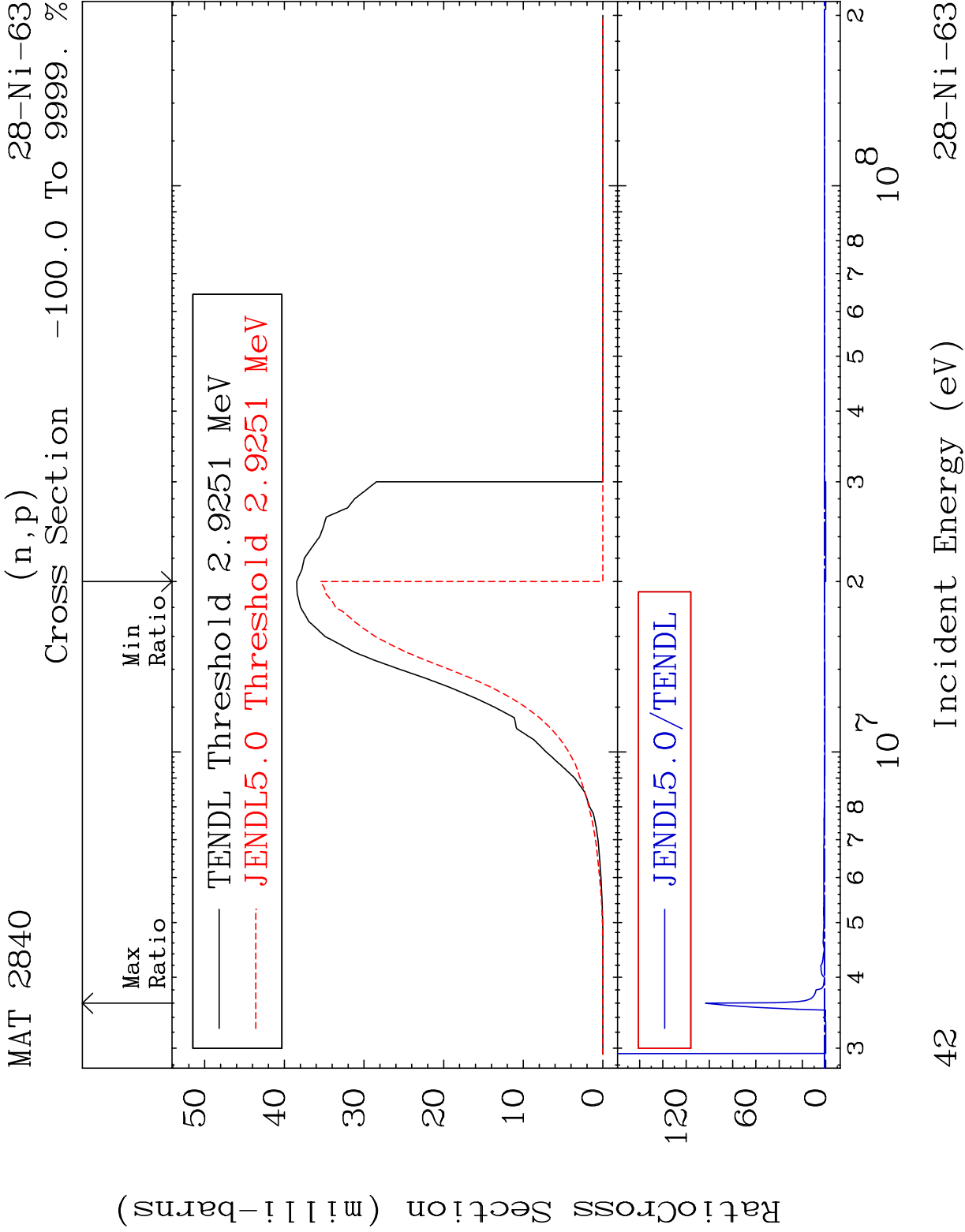
Cross Section -100.0 To 9999. %



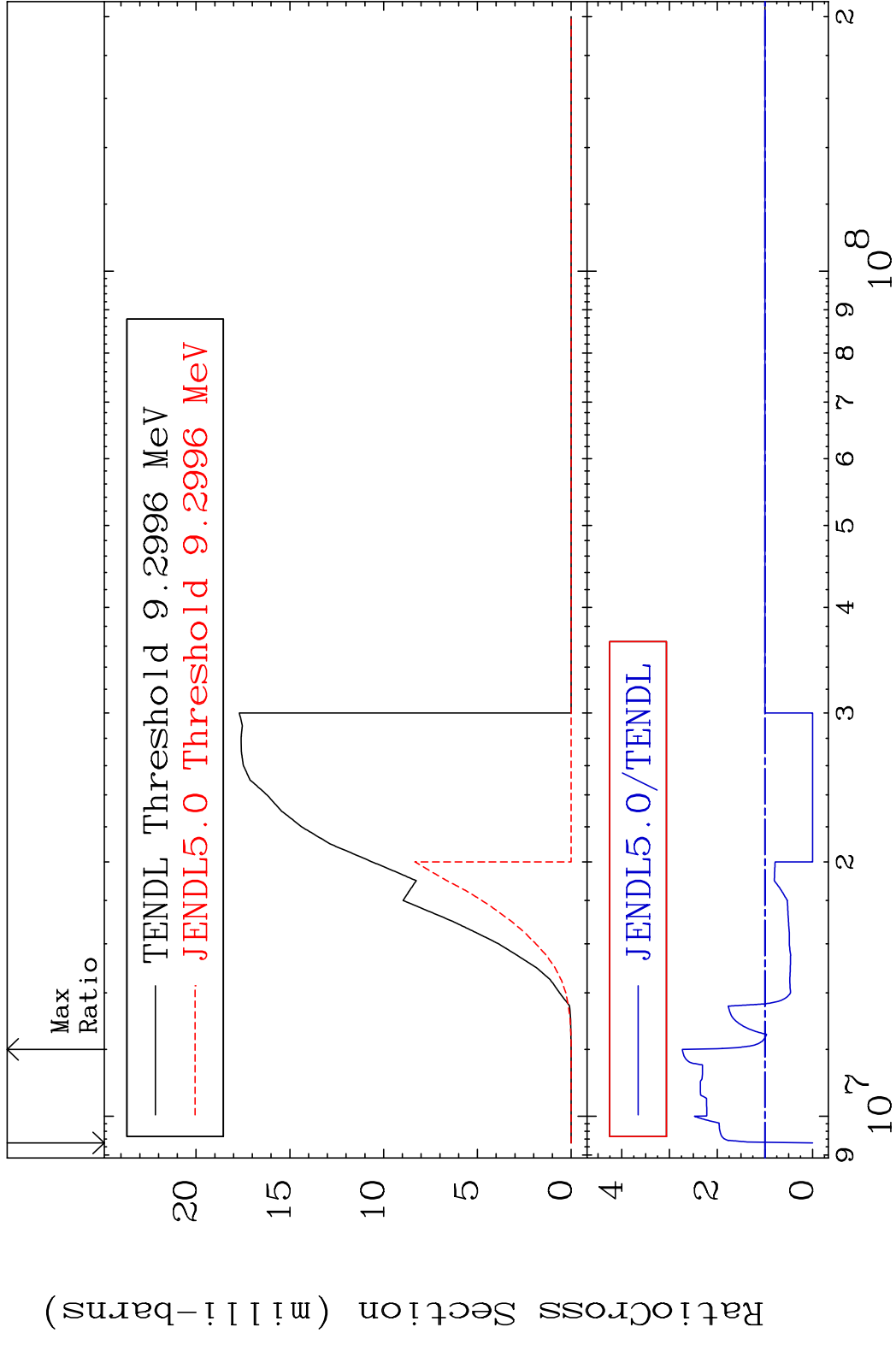
41

Incident Energy (eV)

28-Ni-63

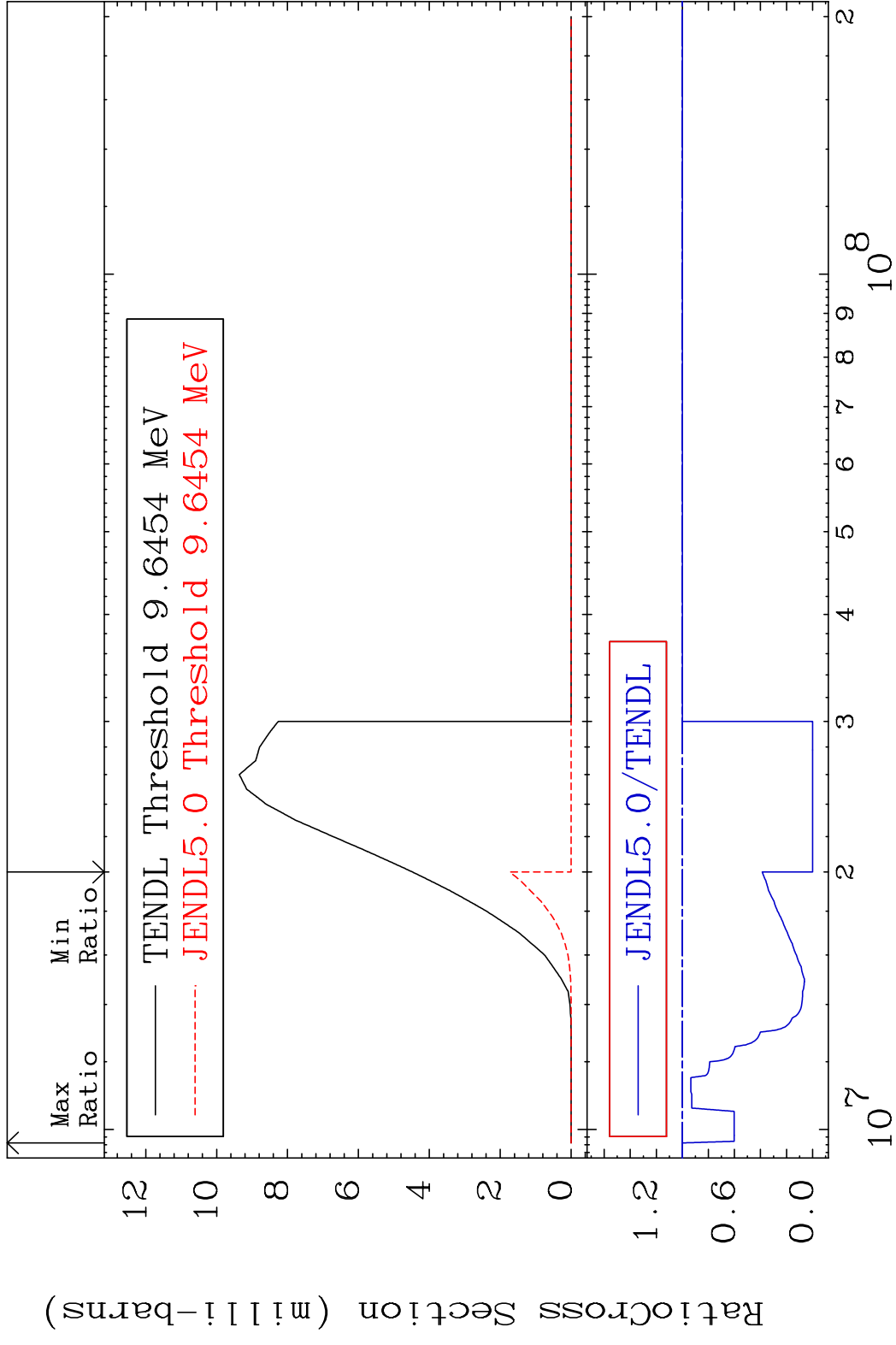


MAT 2840 (n,d) 28-Ni-63  
 Cross Section -100.0 To 173.0 %



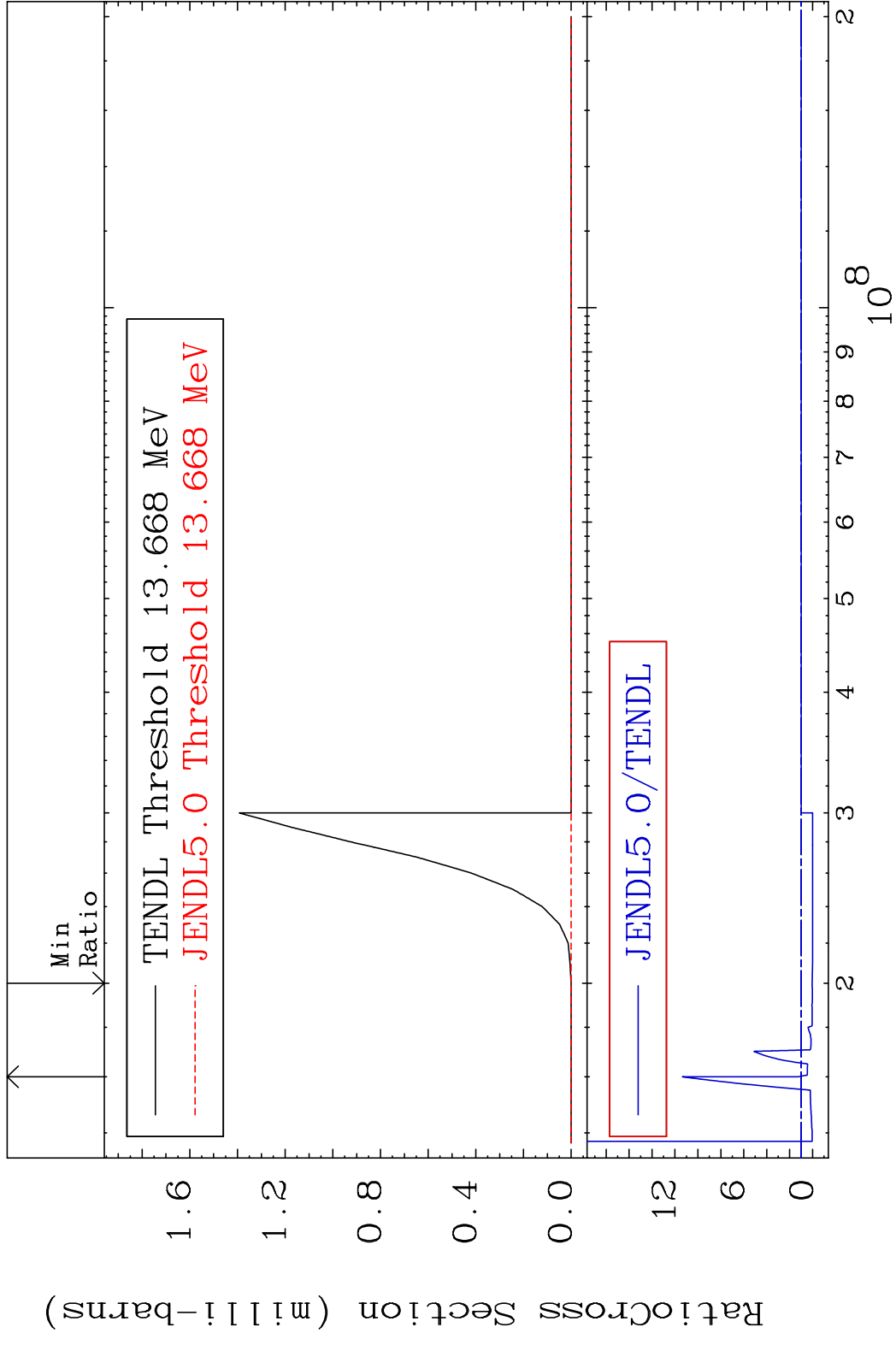
43 28-Ni-63

MAT 2840 (n, t) 28-Ni-63  
 Cross Section -100.0 To 0.000 %



44 28-Ni-63

MAT 2840 (n, He-3) 28-Ni-63  
 Cross Section -100.0 To 1036. %



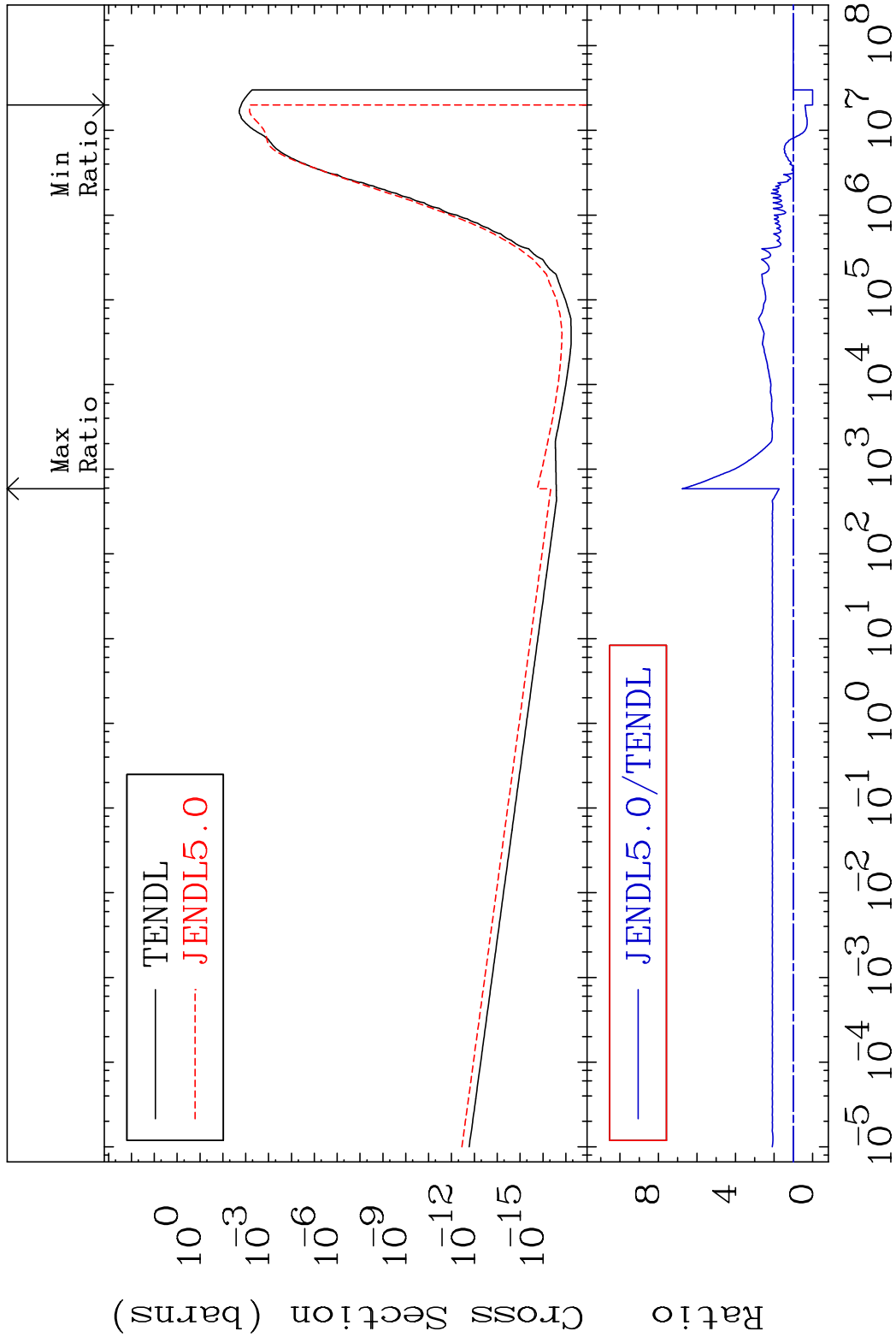
45 Incident Energy (eV) 28-Ni-63

MAT 2840

(n,  $\alpha$ )

28-Ni-63

Cross Section -100.0 To 575.9 %

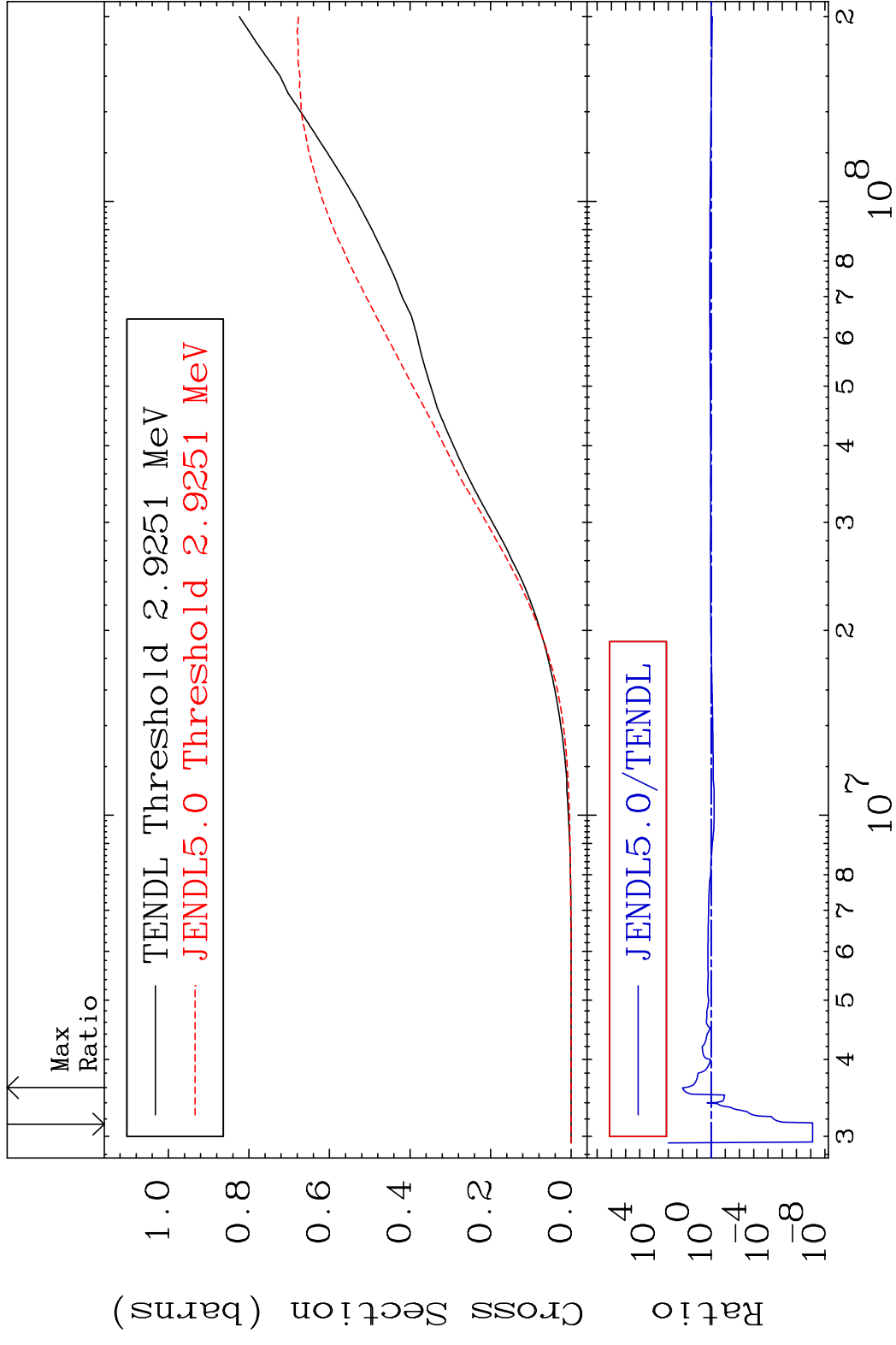


46

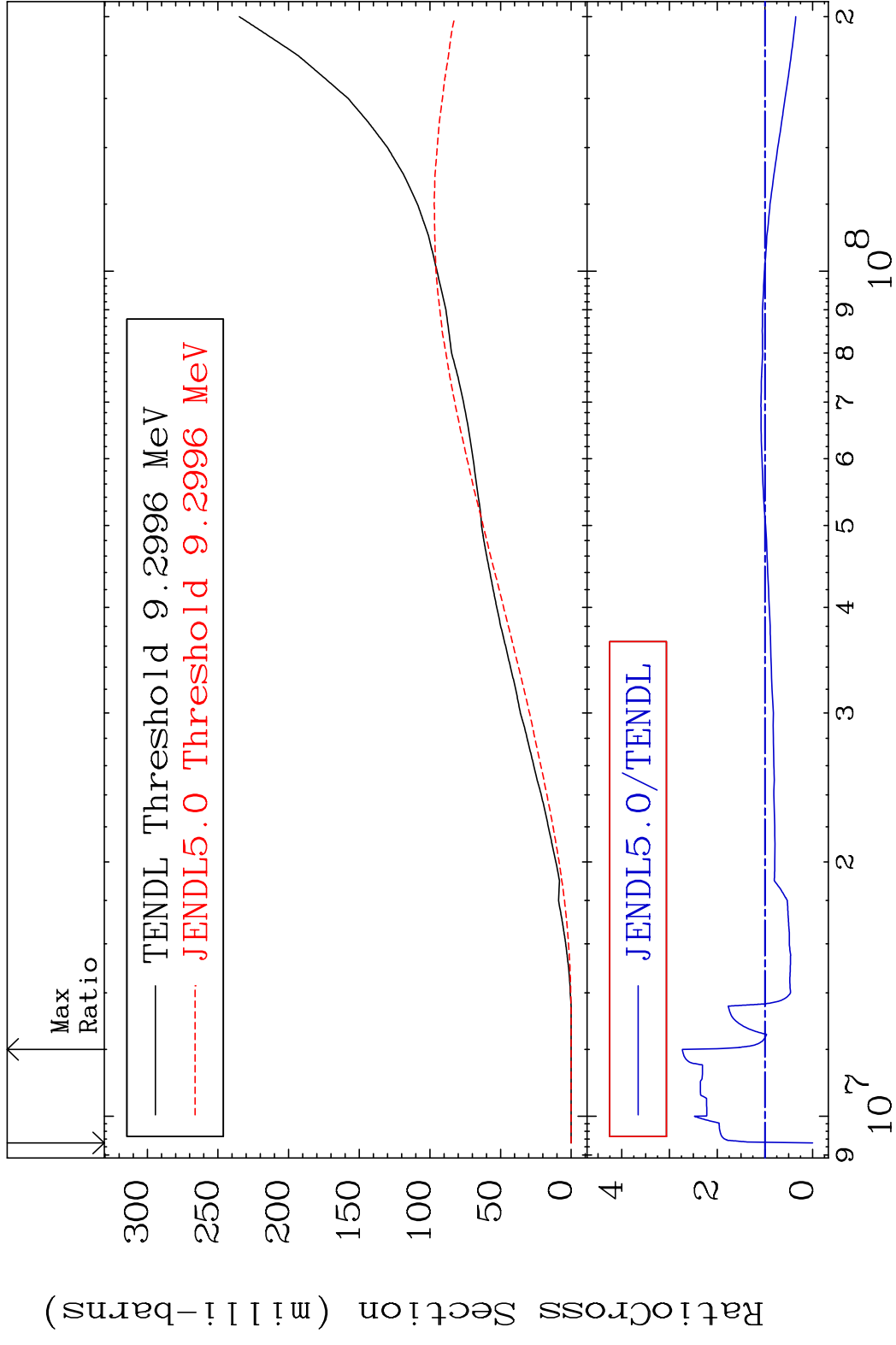
Incident Energy (eV)

28-Ni-63

MAT 2840 Hydrogen Production 28-Ni-63  
 Cross Section -100.0 To 9999. %

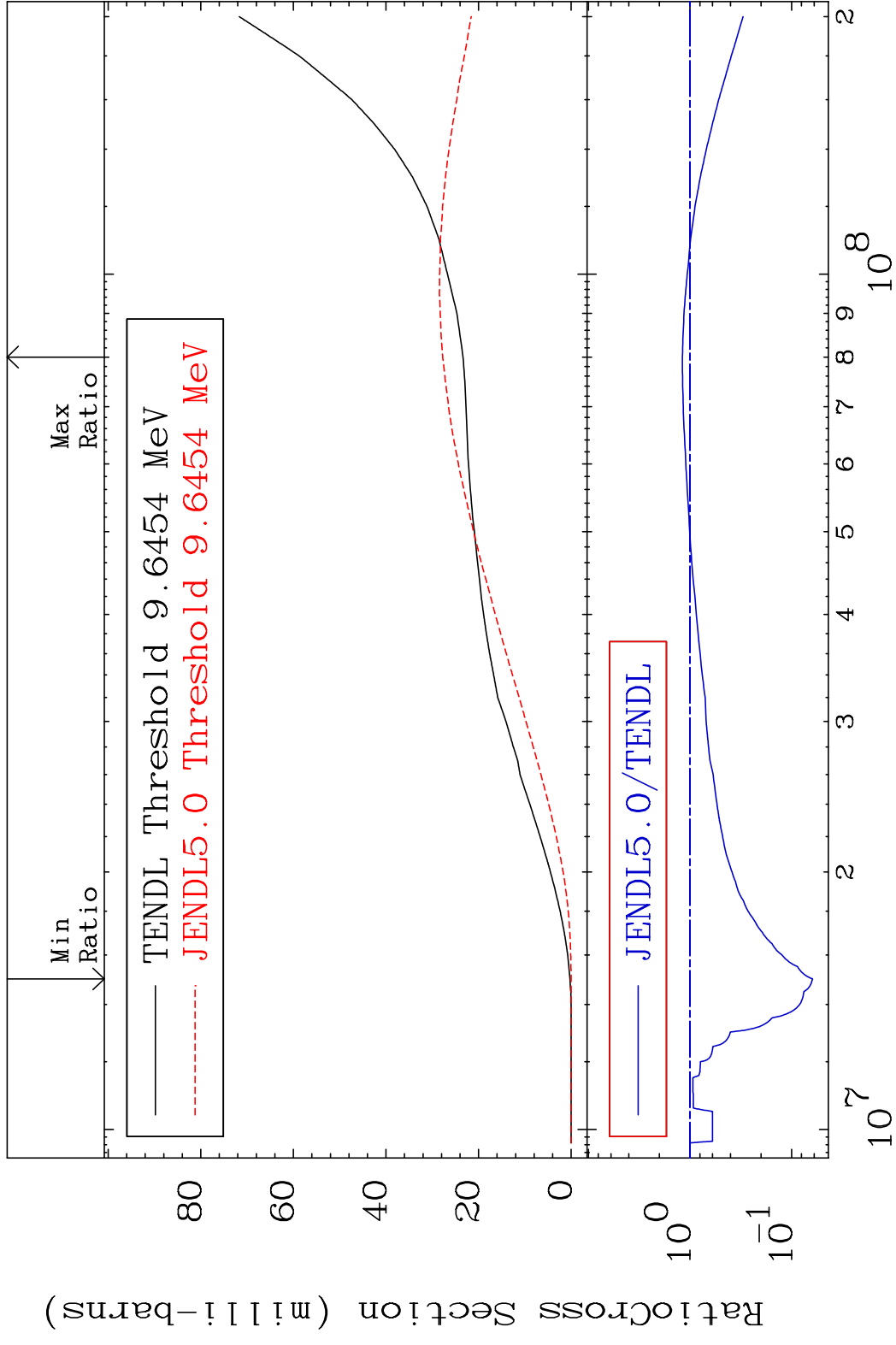


MAT 2840 Deuterium Production 28-Ni-63  
 Cross Section -100.0 To 173.0 %



48 28-Ni-63

MAT 2840 Tritium Production 28-Ni-63  
 Cross Section -93.78 To 18.88 %



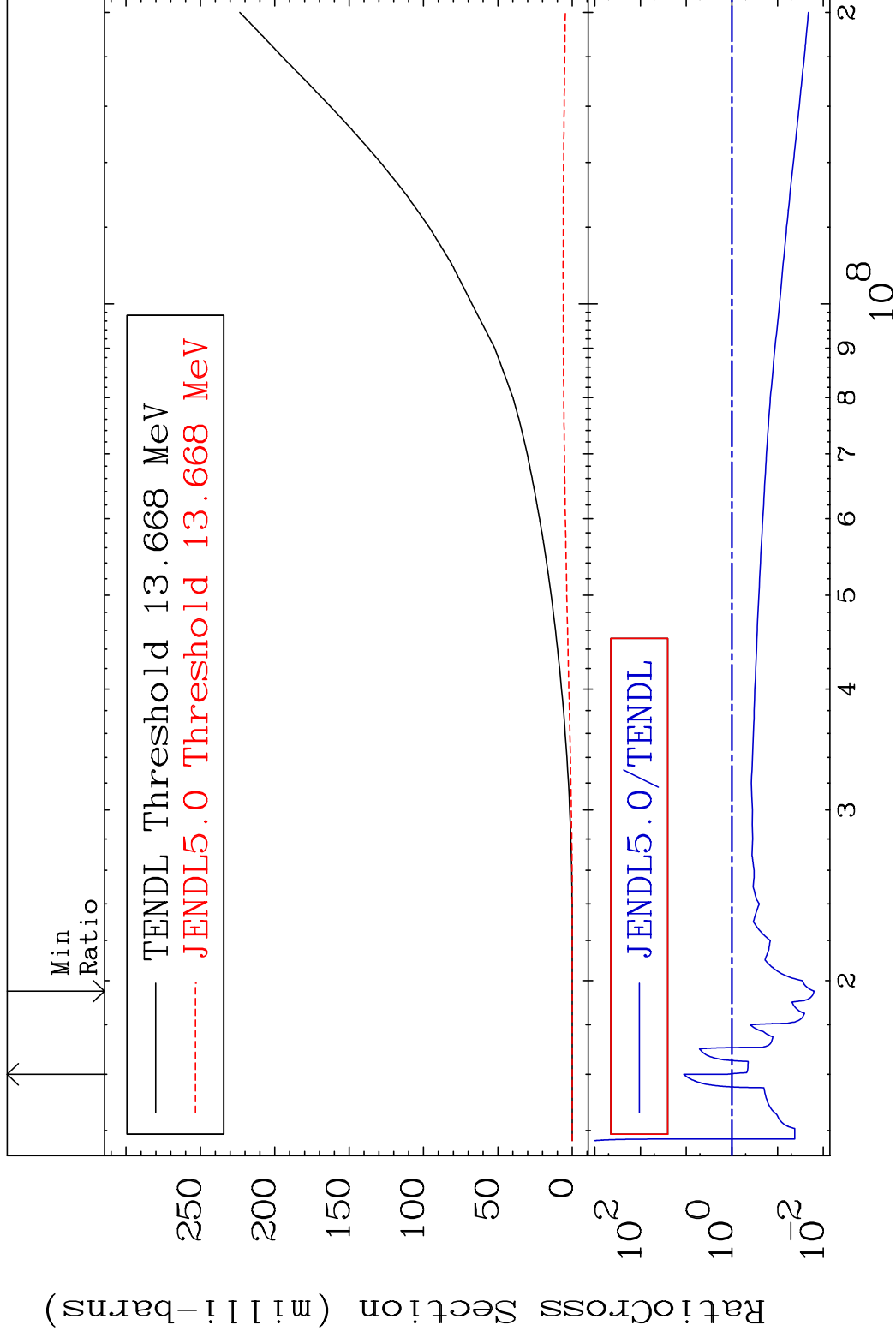
49 28-Ni-63

MAT 2840

He-3 Production

28-Ni-63

Cross Section -98.42 To 1036. %



50

Incident Energy (eV)

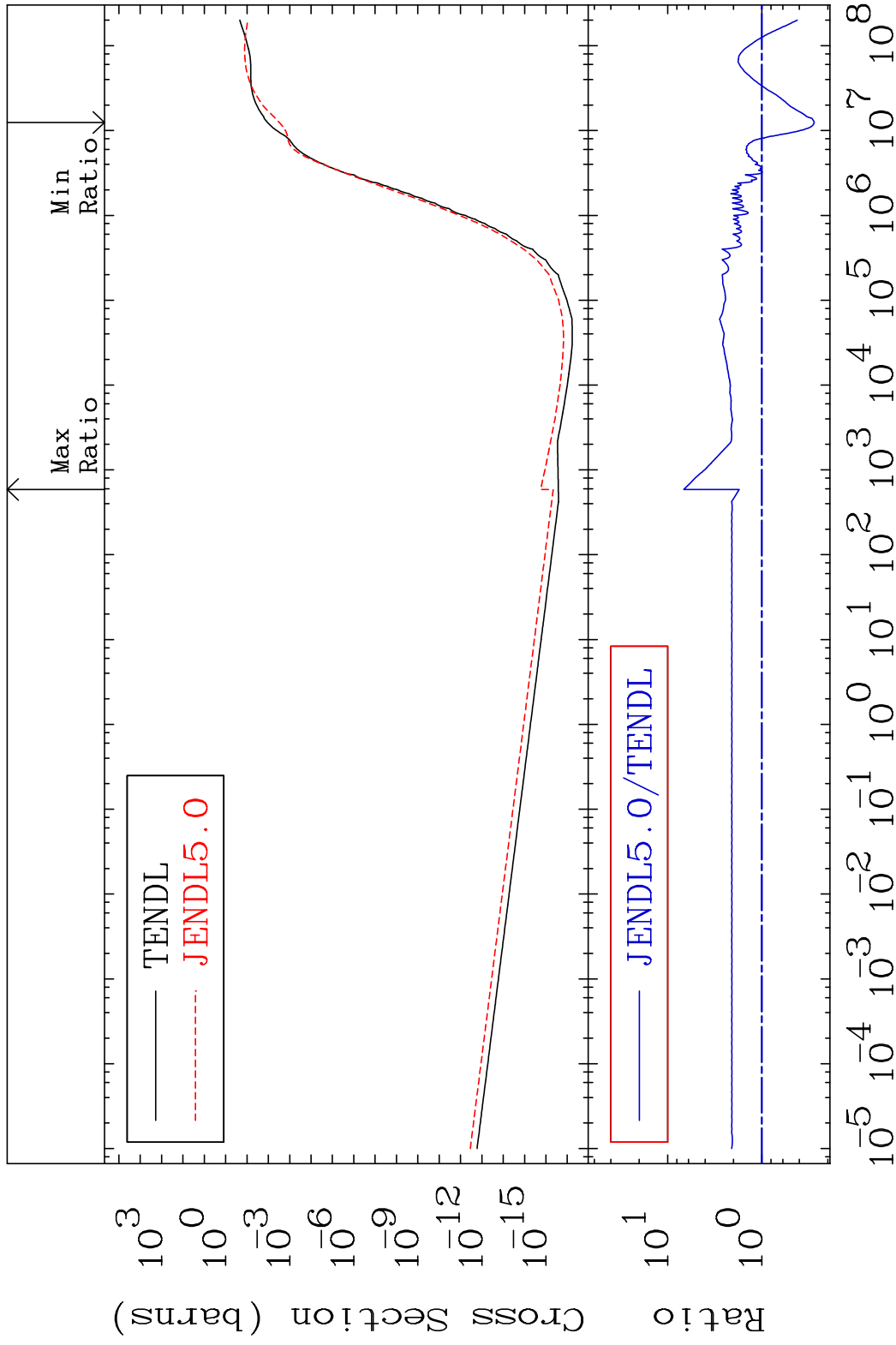
28-Ni-63

MAT 2840

He-4 Production

28-Ni-63

Cross Section -72.08 To 575.9 %

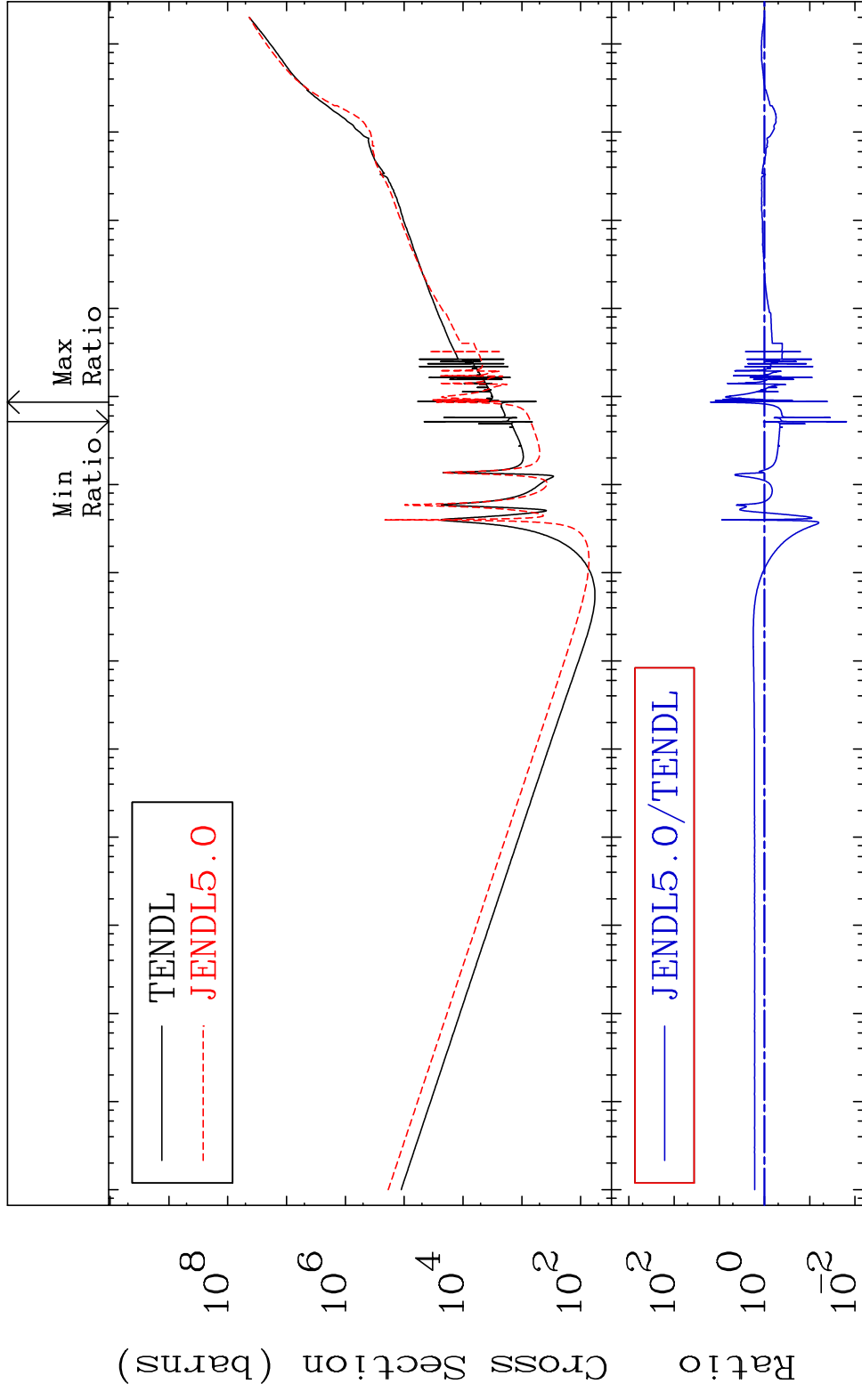


51

Incident Energy (eV)

28-Ni-63

MAT 2840 Kerma total (eV-barns) 28-Ni-63  
 Cross Section -98.45 To 1448. %



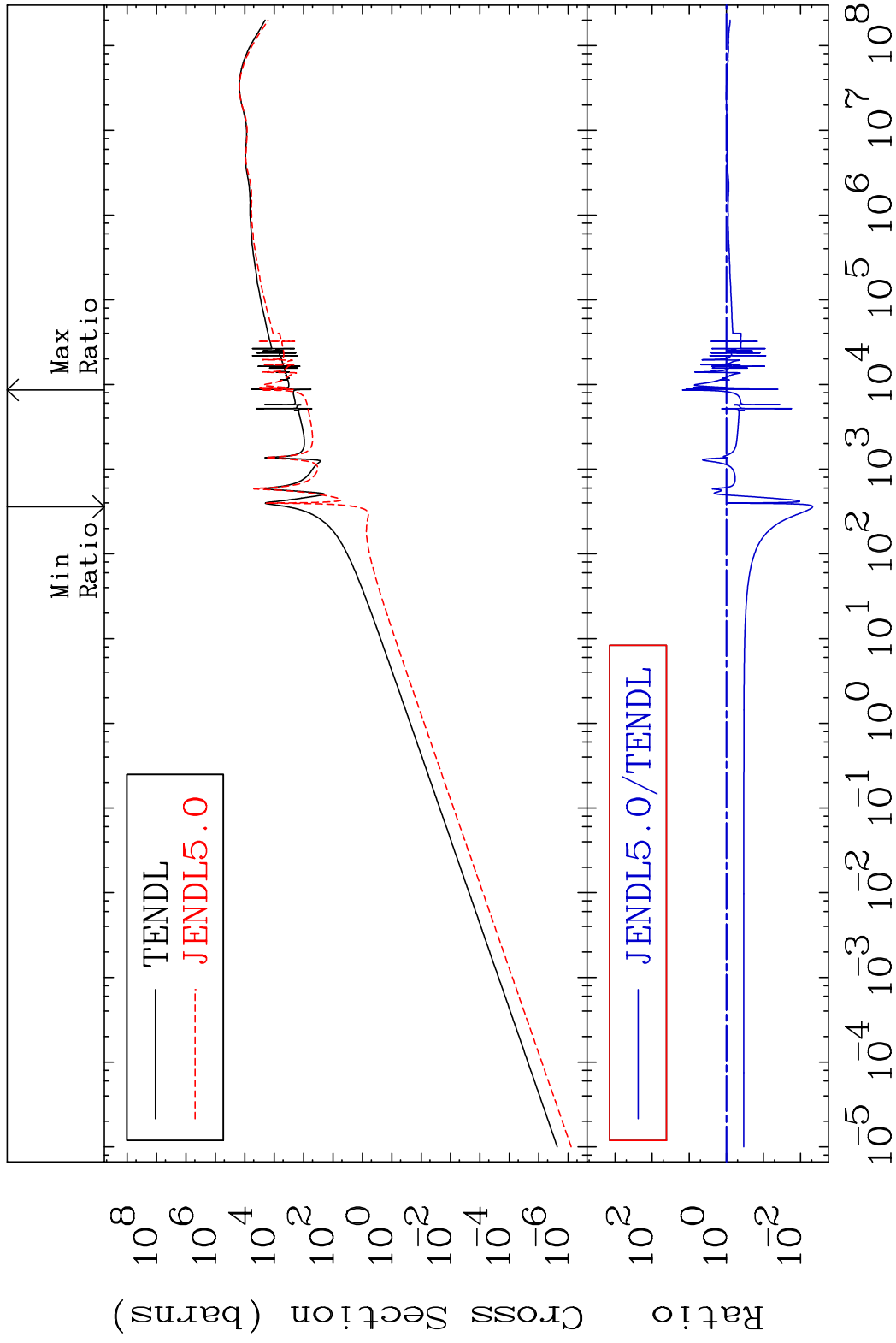
52 Incident Energy (eV) 28-Ni-63

MAT 2840

Kerma elastic

28-Ni-63

Cross Section -99.53 To 1434. %

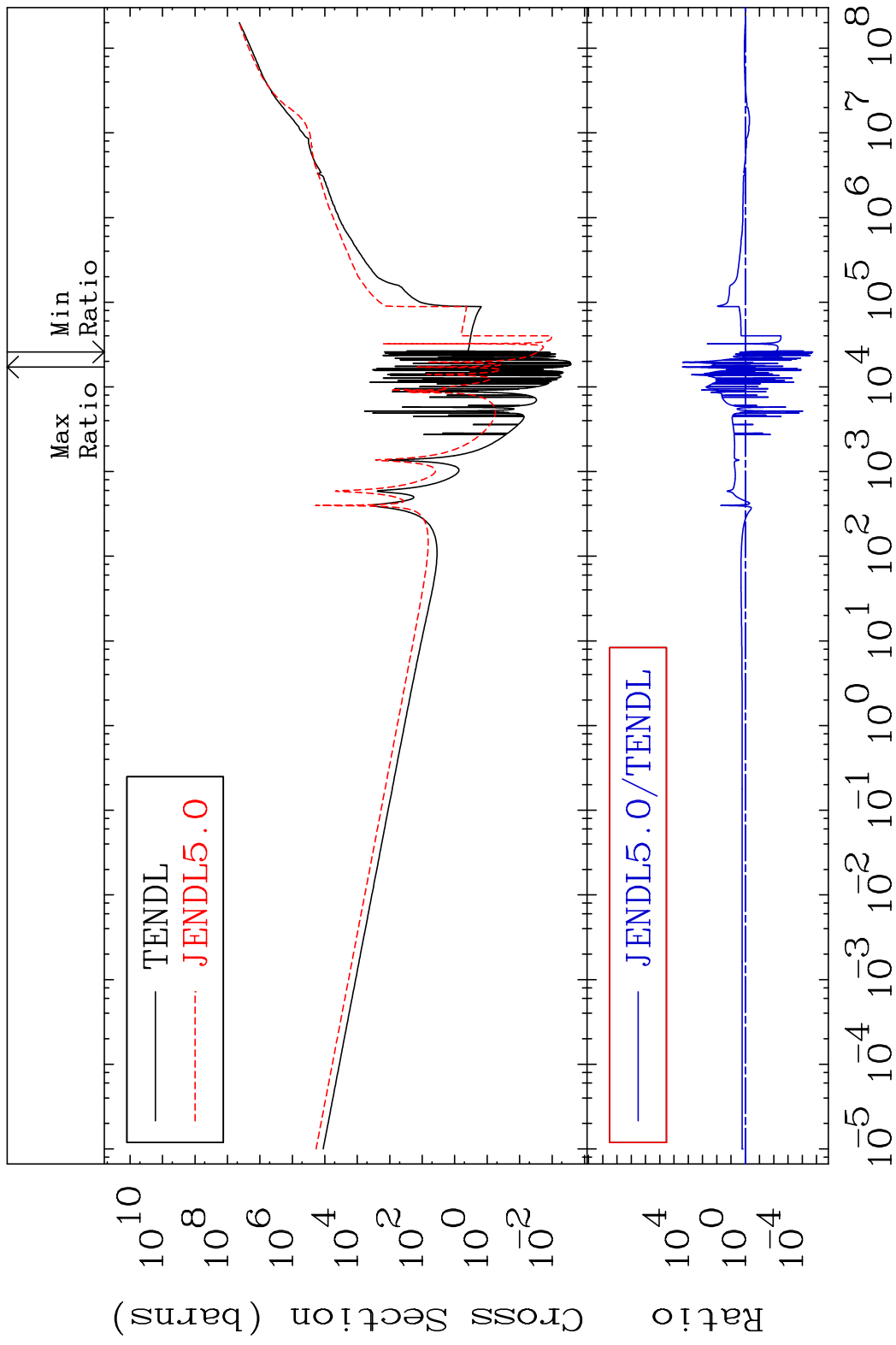


53

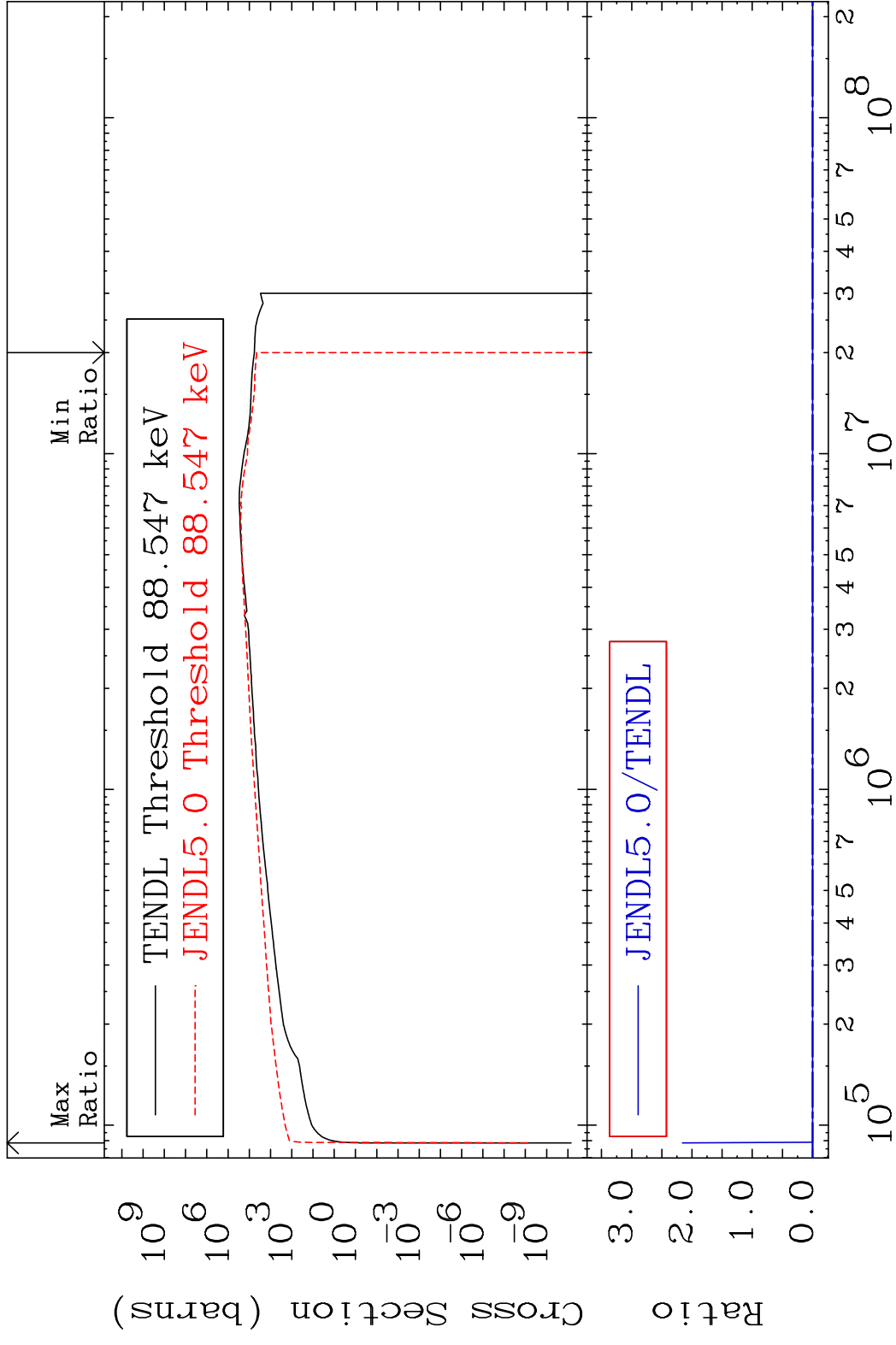
Incident Energy (eV)

28-Ni-63

MAT 2840 Kerma non-elastic (all but mt2) 28-Ni-63  
 Cross Section -100.0 To 9999. %

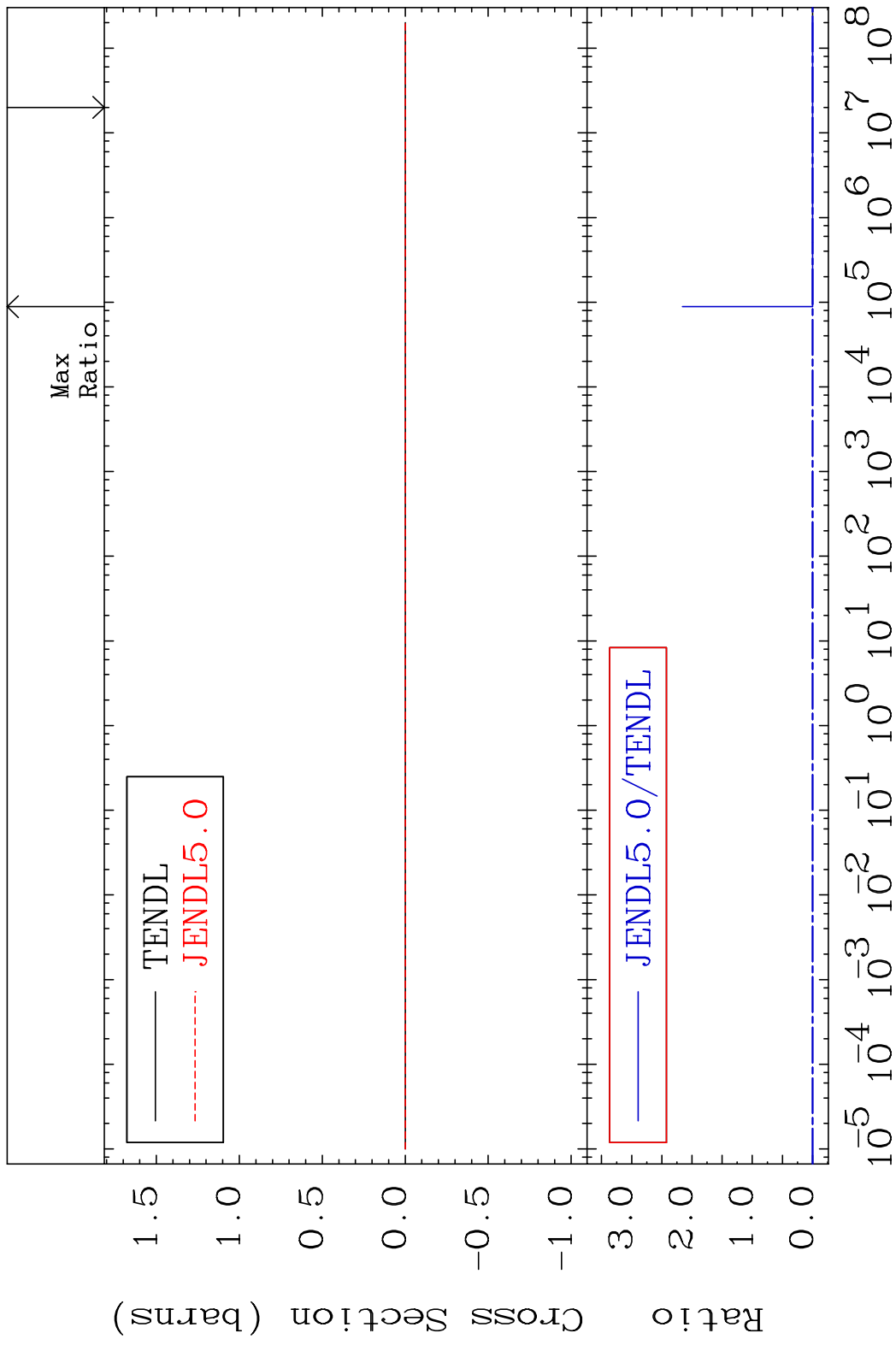


MAT 2840 Kerma inelastic (mt51-91) 28-Ni-63  
 Cross Section -100.0 To 9999. %

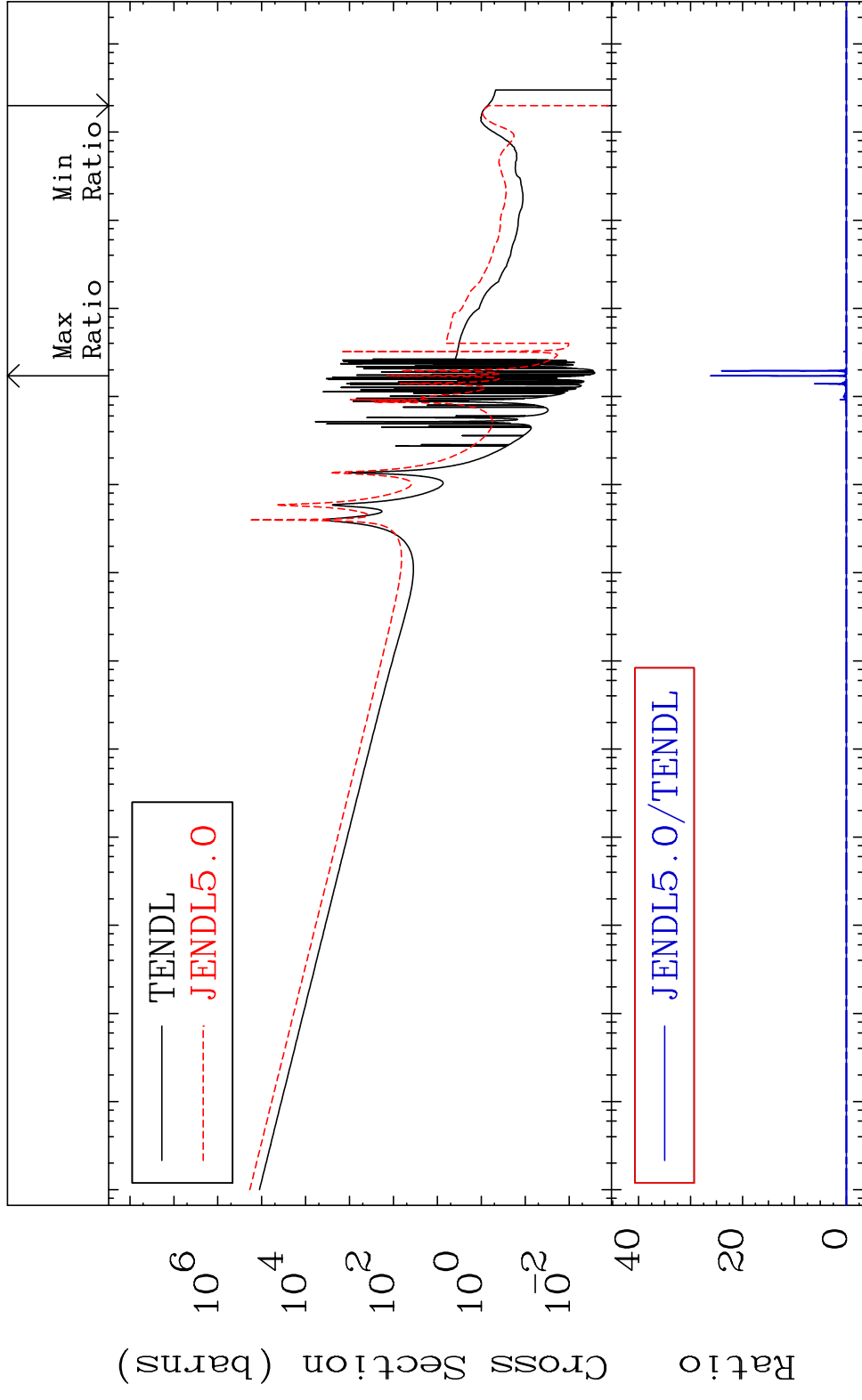


55 Incident Energy (eV) 28-Ni-63

MAT 2840 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-63  
 Cross Section -100.0 To 9999. %

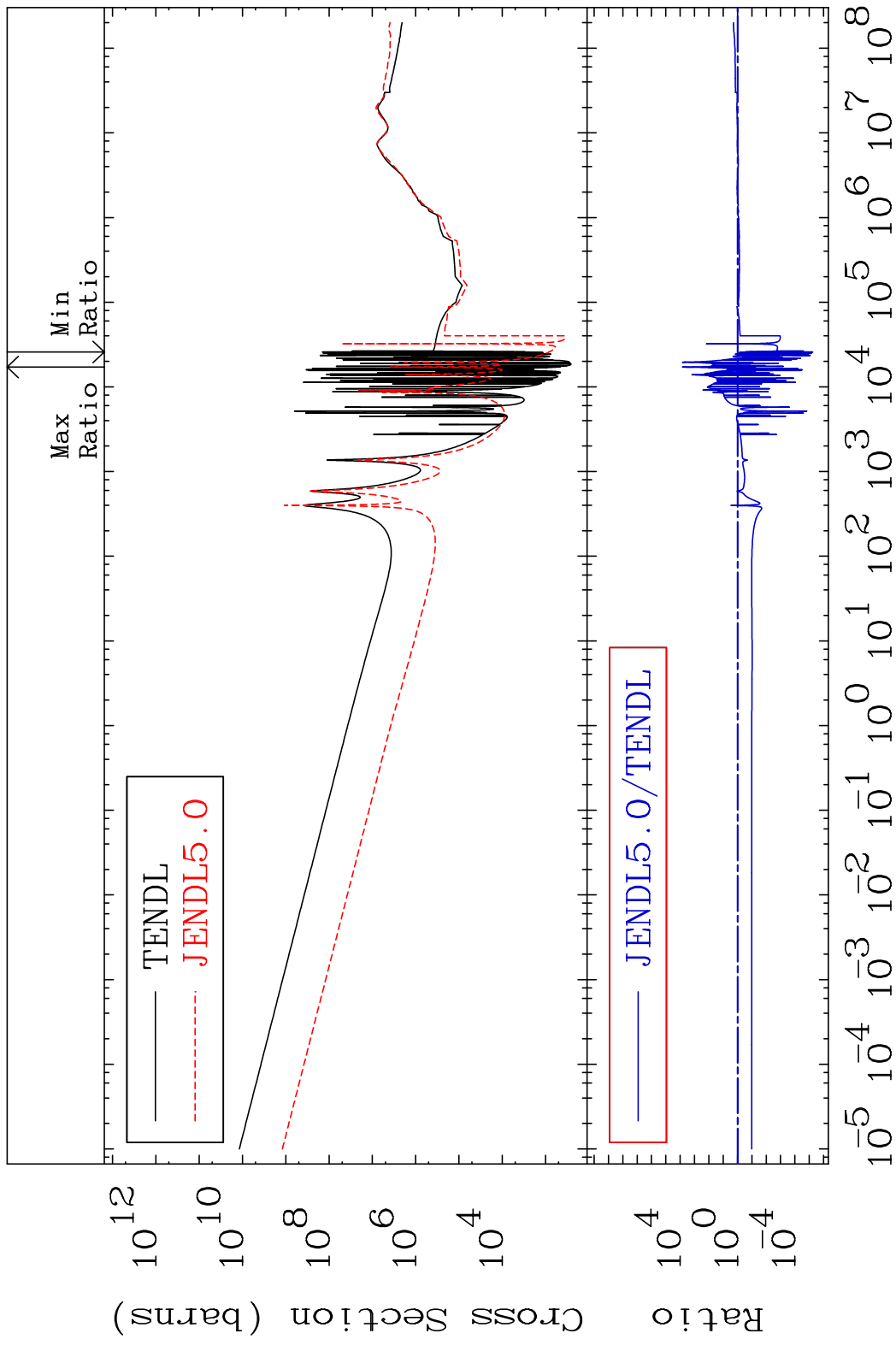


MAT 2840 Kerma capture (mt102) 28-Ni-63  
 Cross Section -100.0 To 9999. %



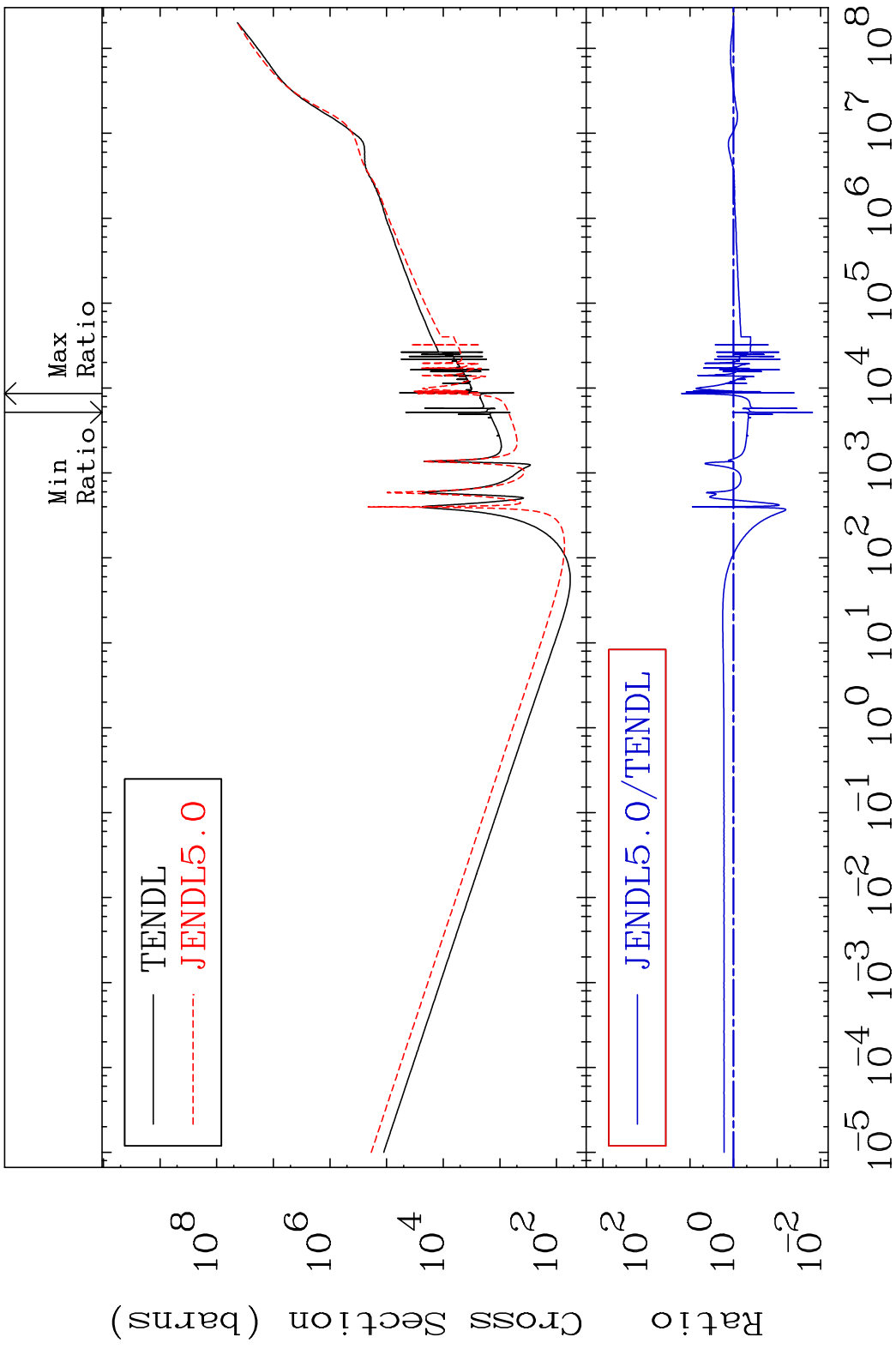
57 Incident Energy (eV) 28-Ni-63

MAT 2840 Total photon (eV-barns) 28-Ni-63  
 Cross Section -100.0 To 9999. %

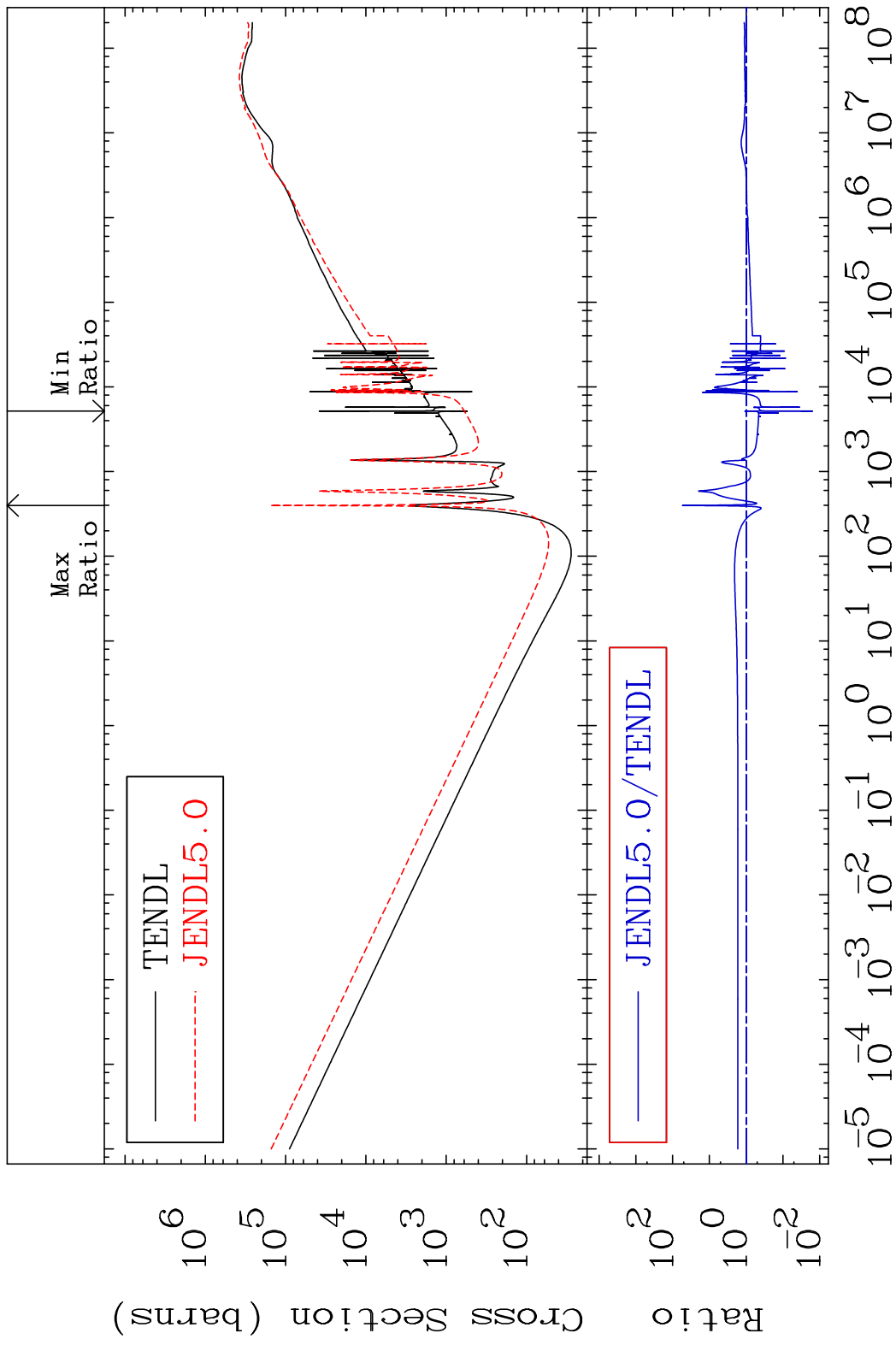


58 Incident Energy (eV) 28-Ni-63

MAT 2840 Total kinematic kerma (high limit) 28-Ni-63  
Cross Section -98.45 To 1448. %



MAT 2840      Dpa total (eV-barns)      28-Ni-63  
Cross Section      -98.44 To 5342. %



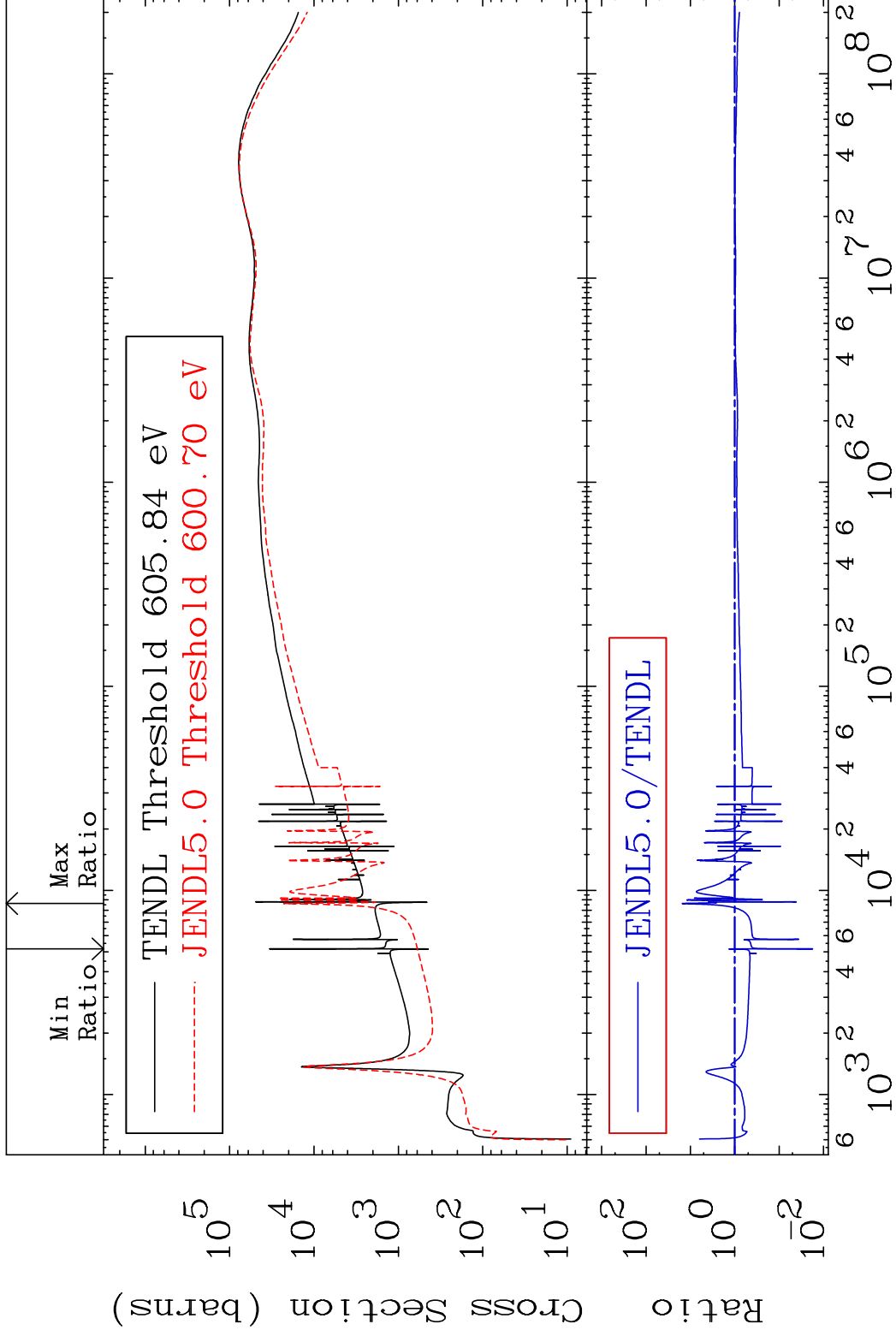
60      Incident Energy (eV)      28-Ni-63

MAT 2840

Dpa elastic (mt2)

28-Ni-63

Cross Section -98.23 To 1434. %

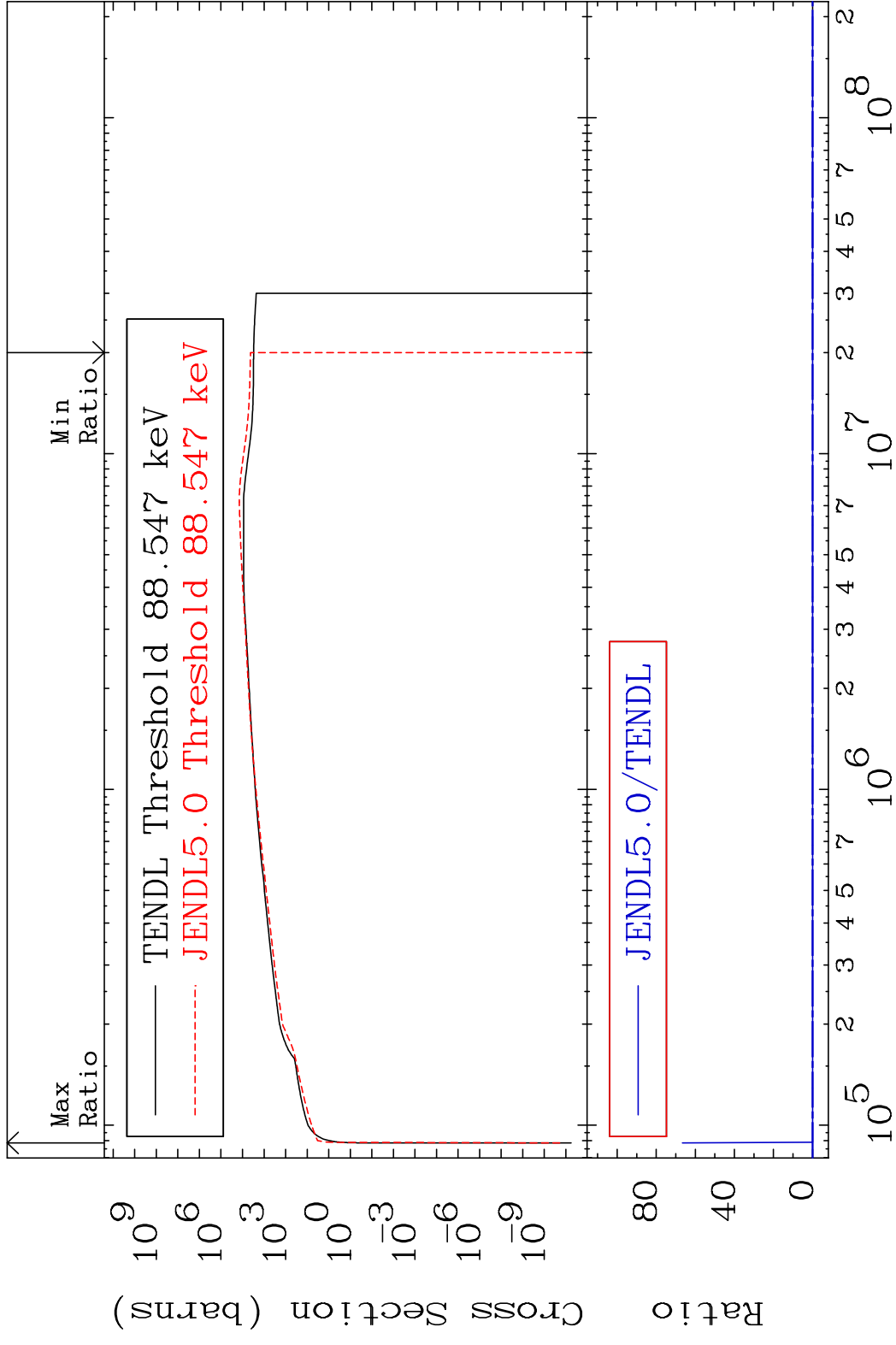


61

Incident Energy (eV)

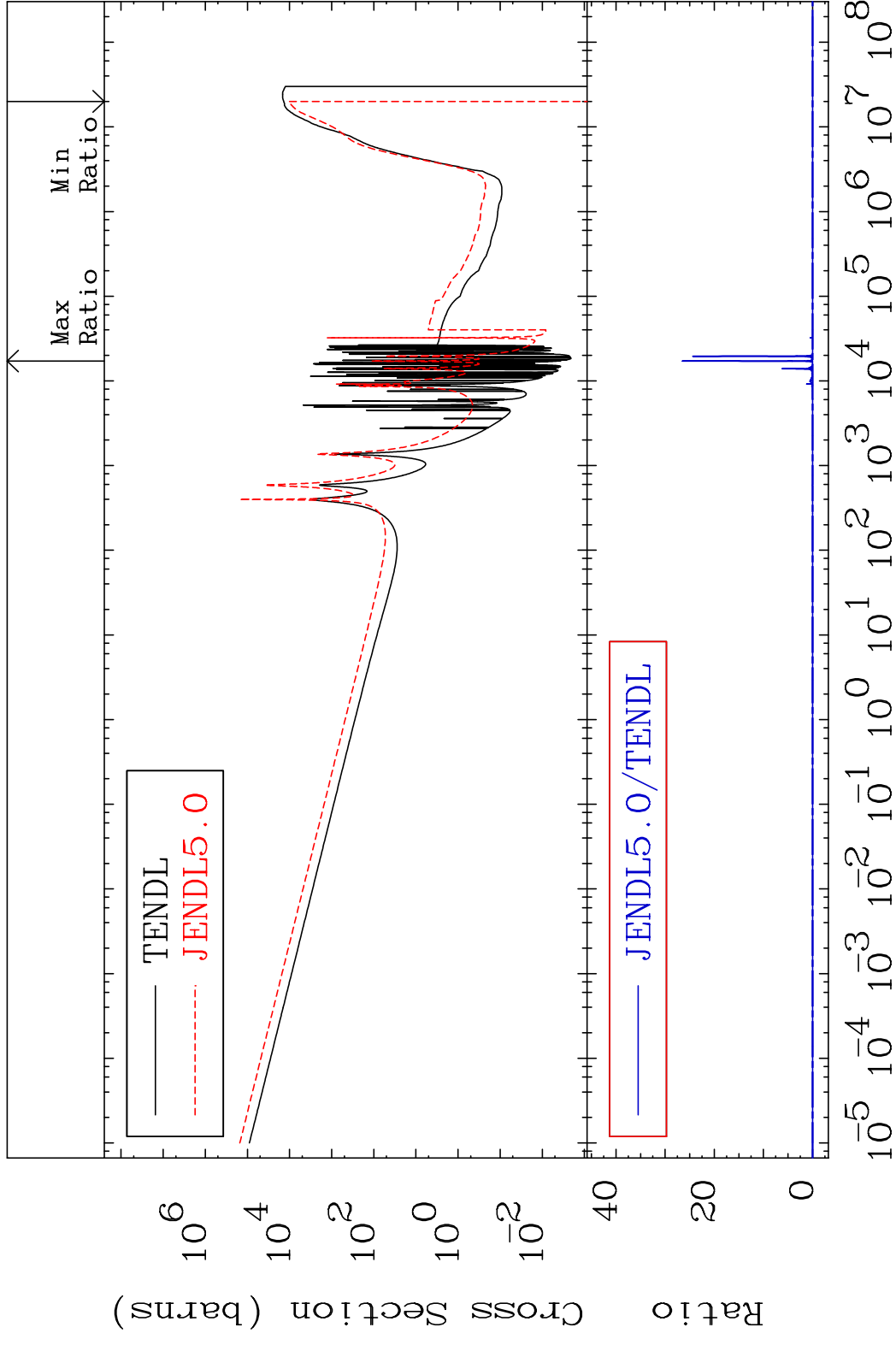
28-Ni-63

MAT 2840 Dpa inelastic (mt51-91) 28-Ni-63  
 Cross Section -100.0 To 9999. %



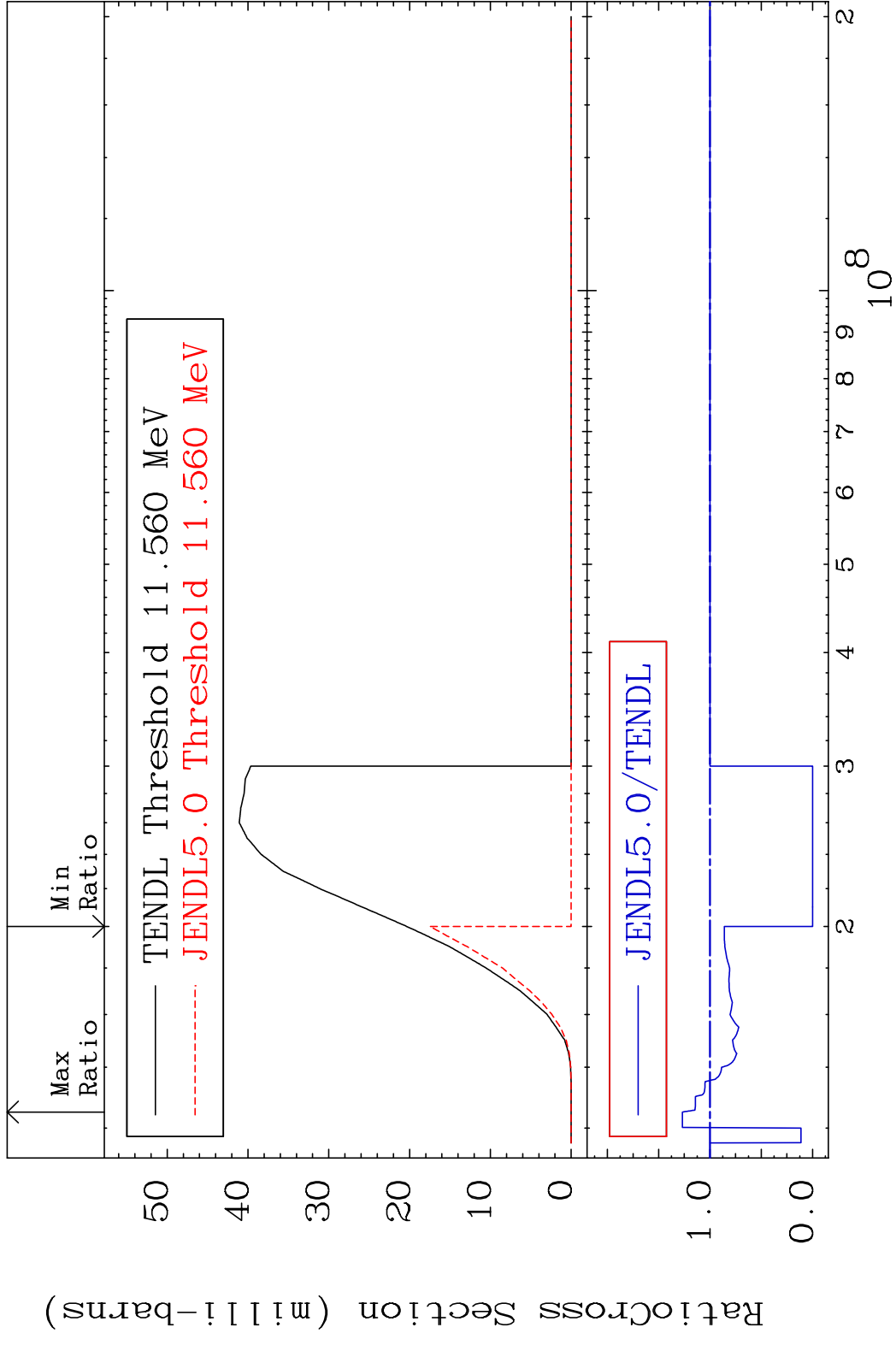
62 Incident Energy (eV) 28-Ni-63

MAT 2840 Dpa disappearance (mt102 -120) 28-Ni-63  
 Cross Section -100.0 To 9999. %

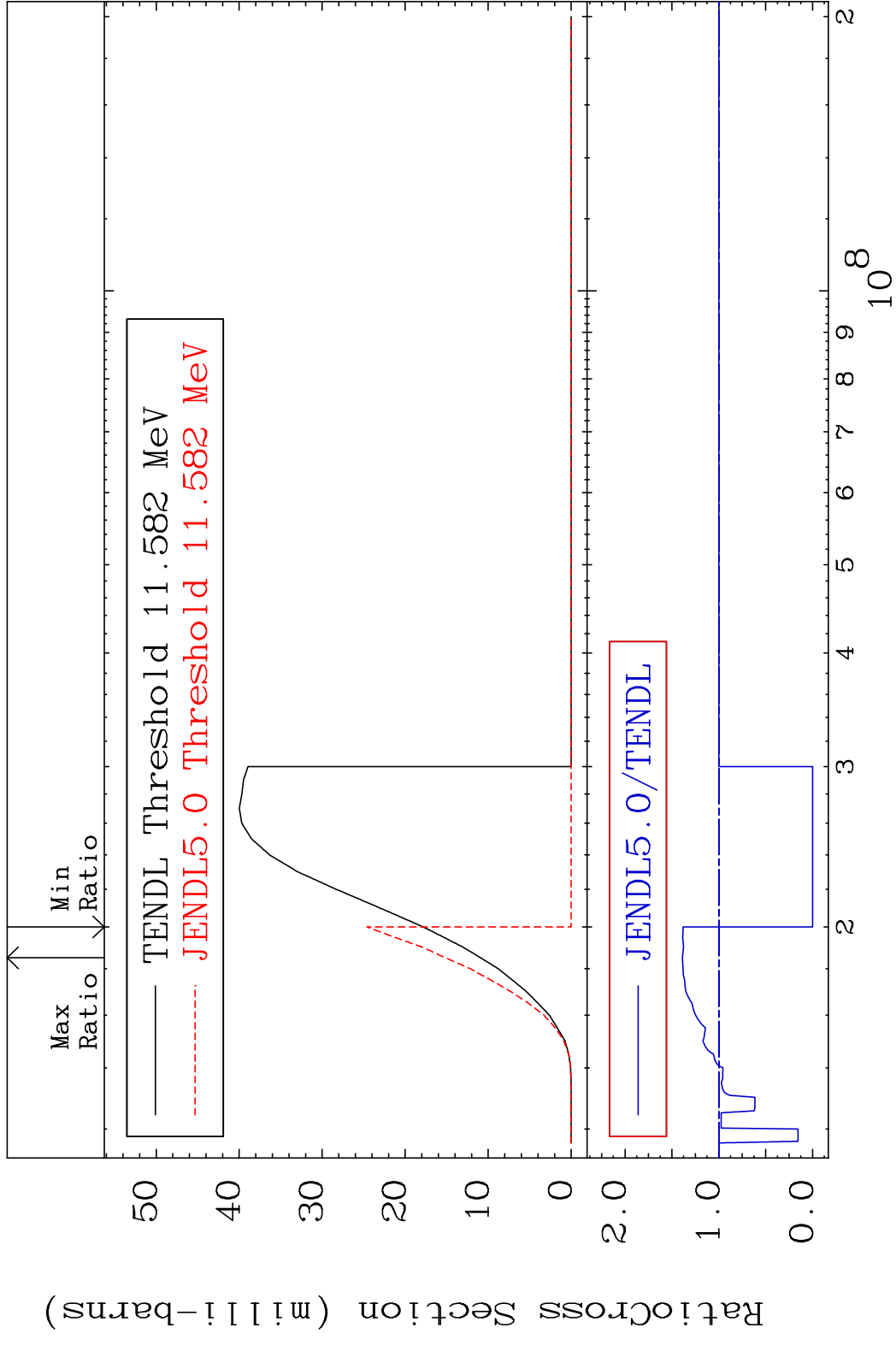


63 Incident Energy (eV) 28-Ni-63

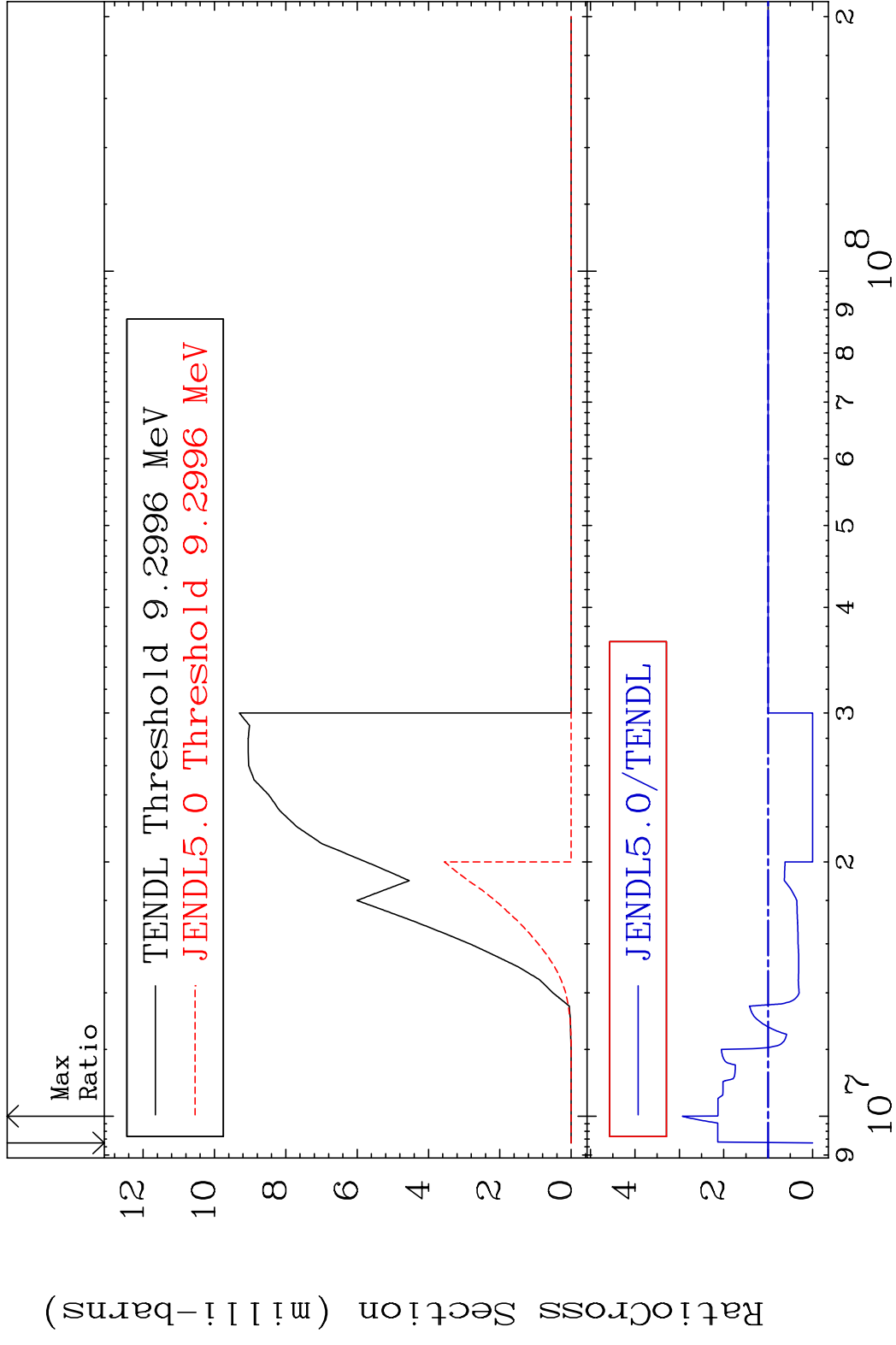
MAT 2840 (n, n') p:27-Co-62g 28-Ni-63  
 Radionuclide Production Cross Section Ratio 26.91 %



MAT 2840 (n, n') p:27-Co-62m1 28-Ni-63  
 Radionuclide Production Cross Section 180.01 dth 38.87 %



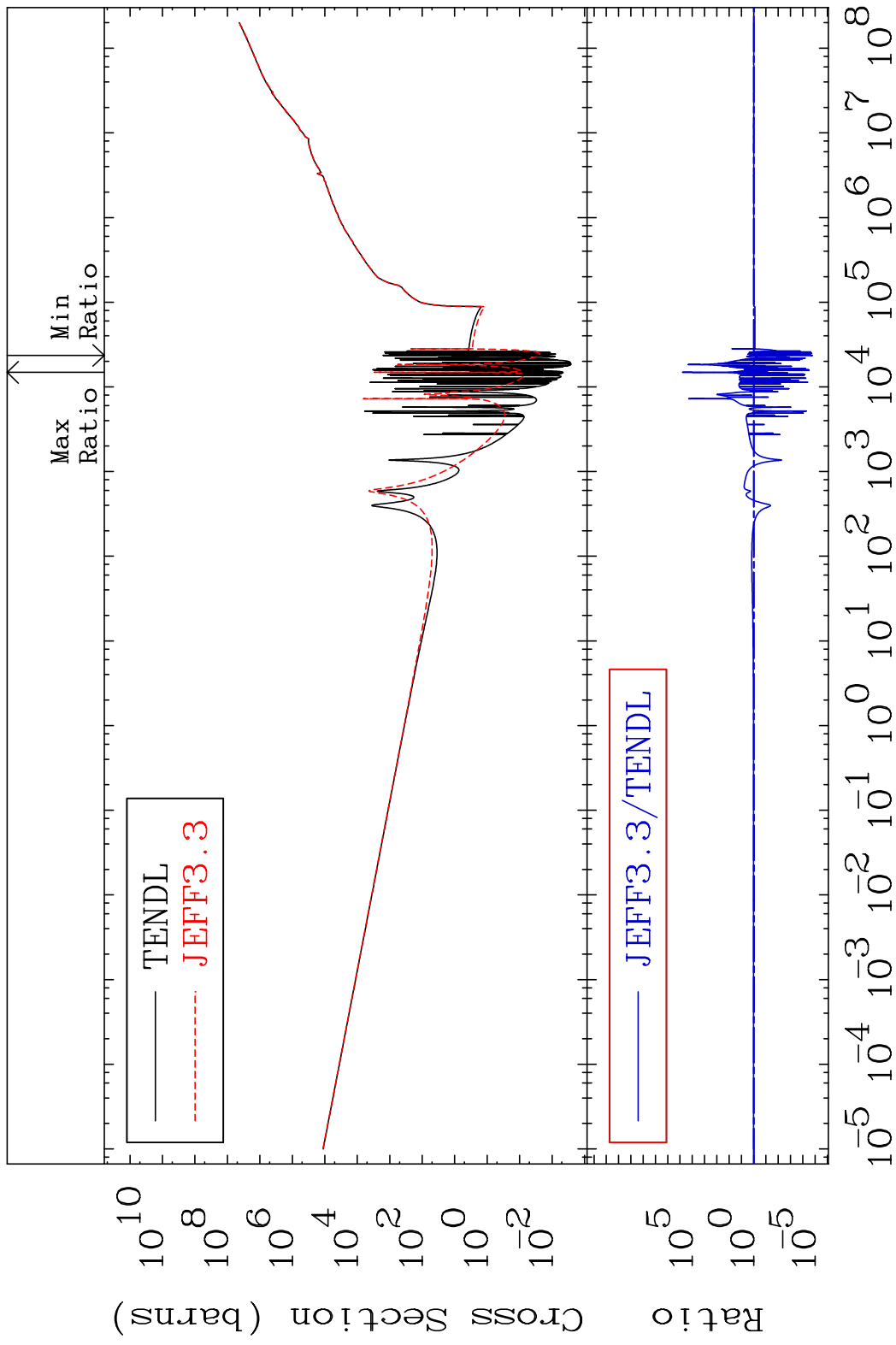
MAT 2840 (n,d):27-Co-62g 28-Ni-63  
 Radionuclide Production Cross Section 180.0 dth 193.2 %



66 Incident Energy (eV) 28-Ni-63

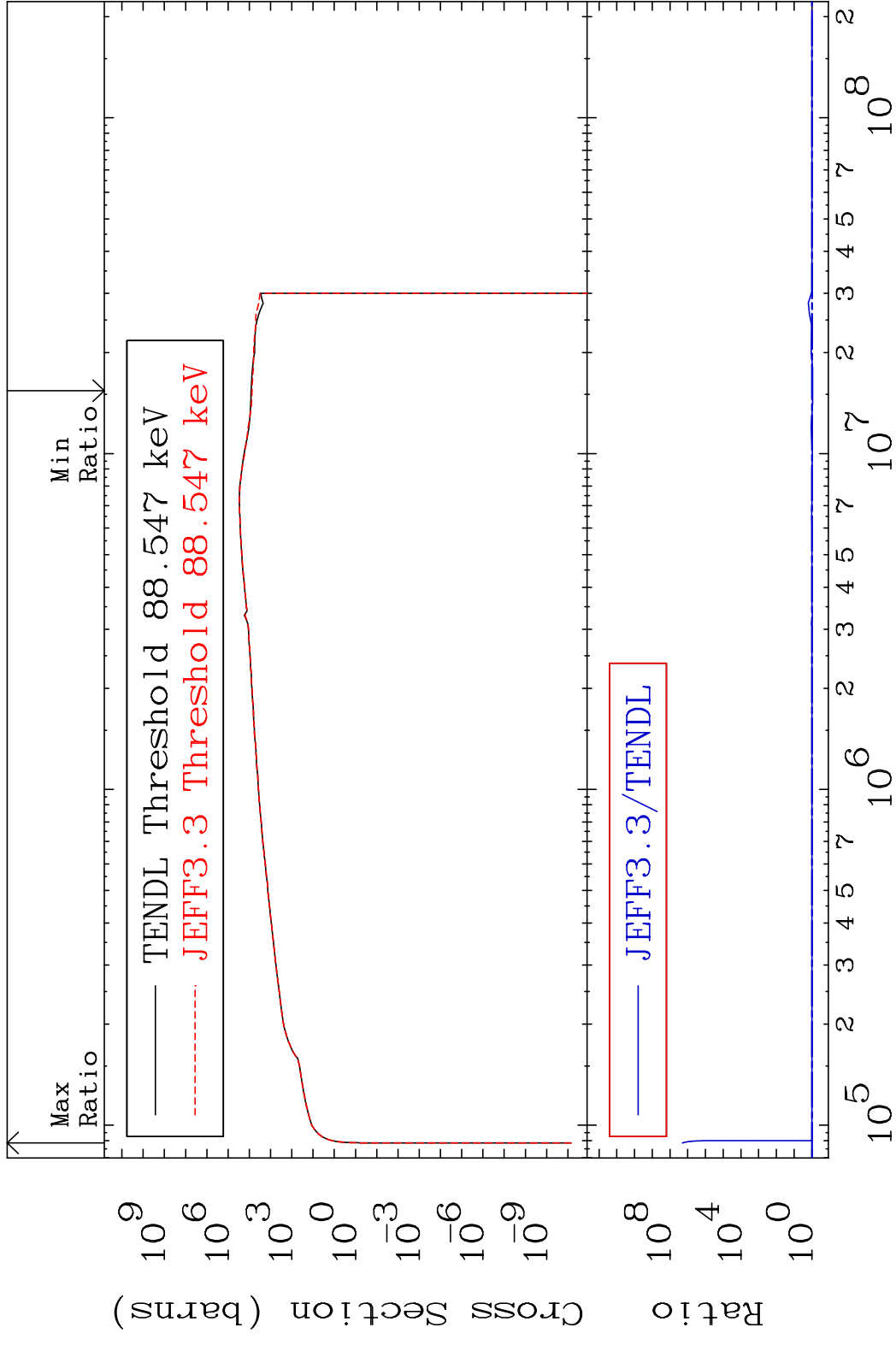


MAT 2840 Kerma non-elastic (all but mt2) 28-Ni-63  
 Cross Section -100.0 To 9999. %



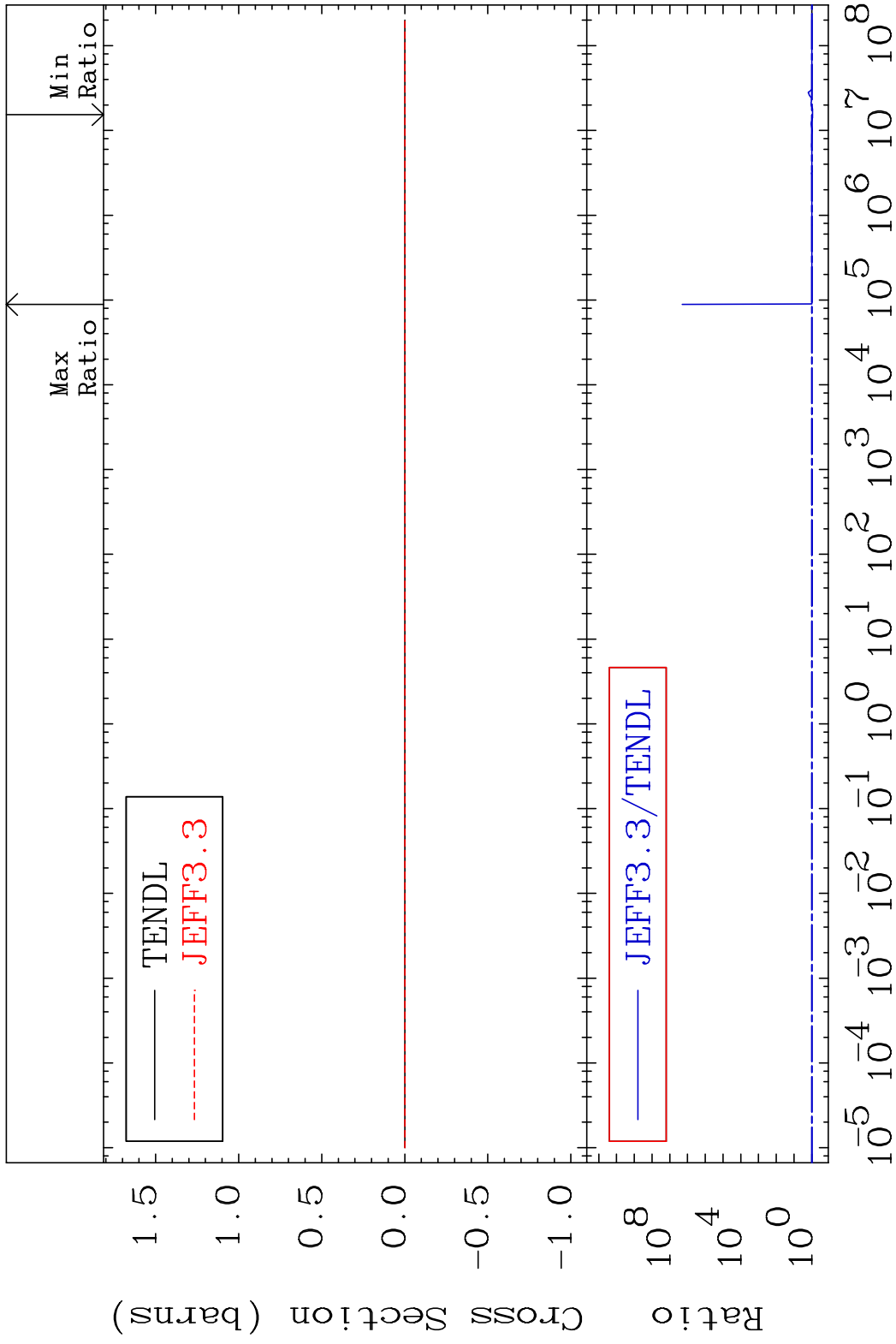
68 Incident Energy (eV) 28-Ni-63

MAT 2840 Kerma inelastic (mt51-91) 28-Ni-63  
 Cross Section -8.669 To 9999. %



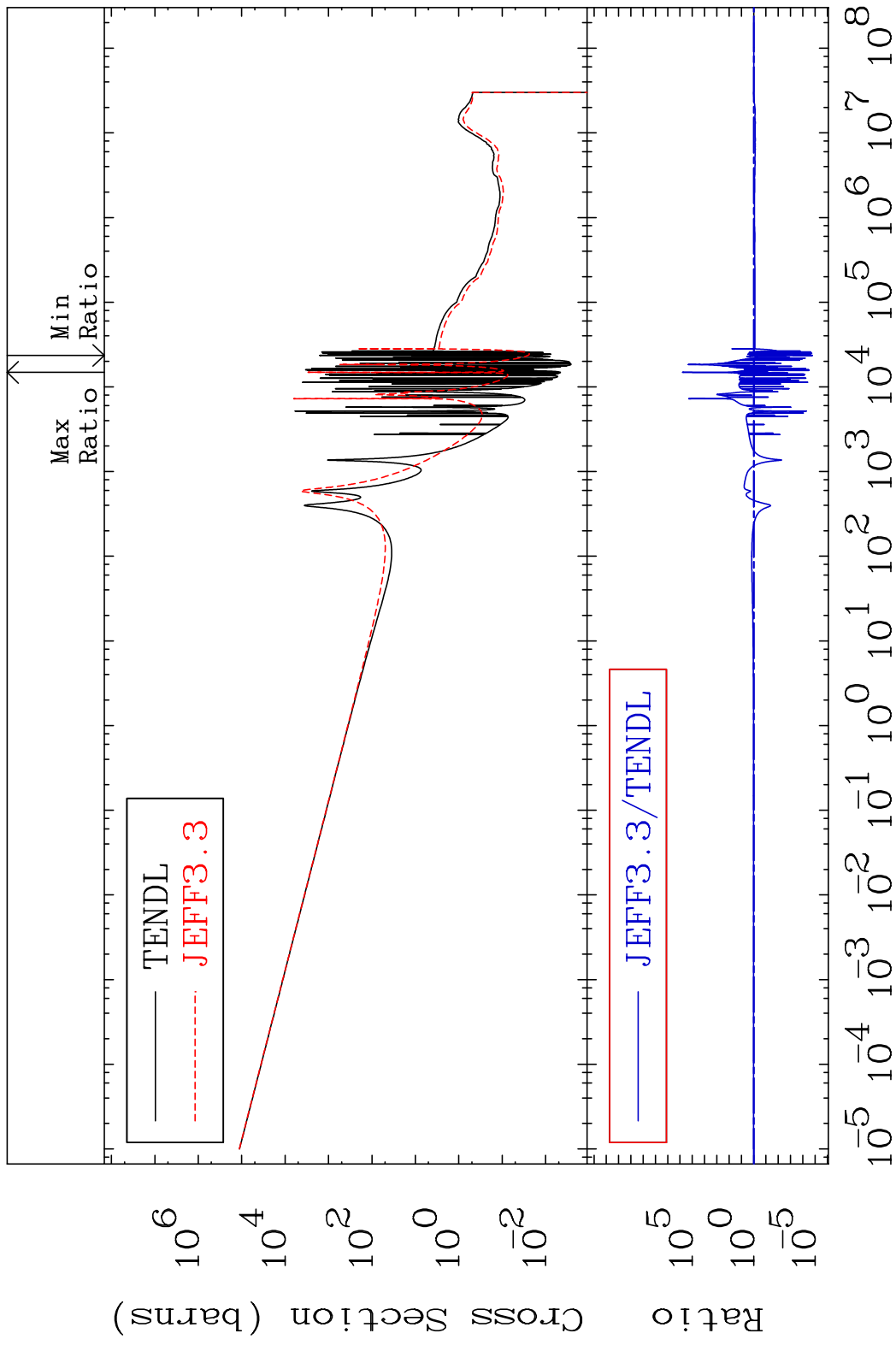
69 Incident Energy (eV) 28-Ni-63

MAT 2840 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-63  
 Cross Section -8.669 To 9999. %



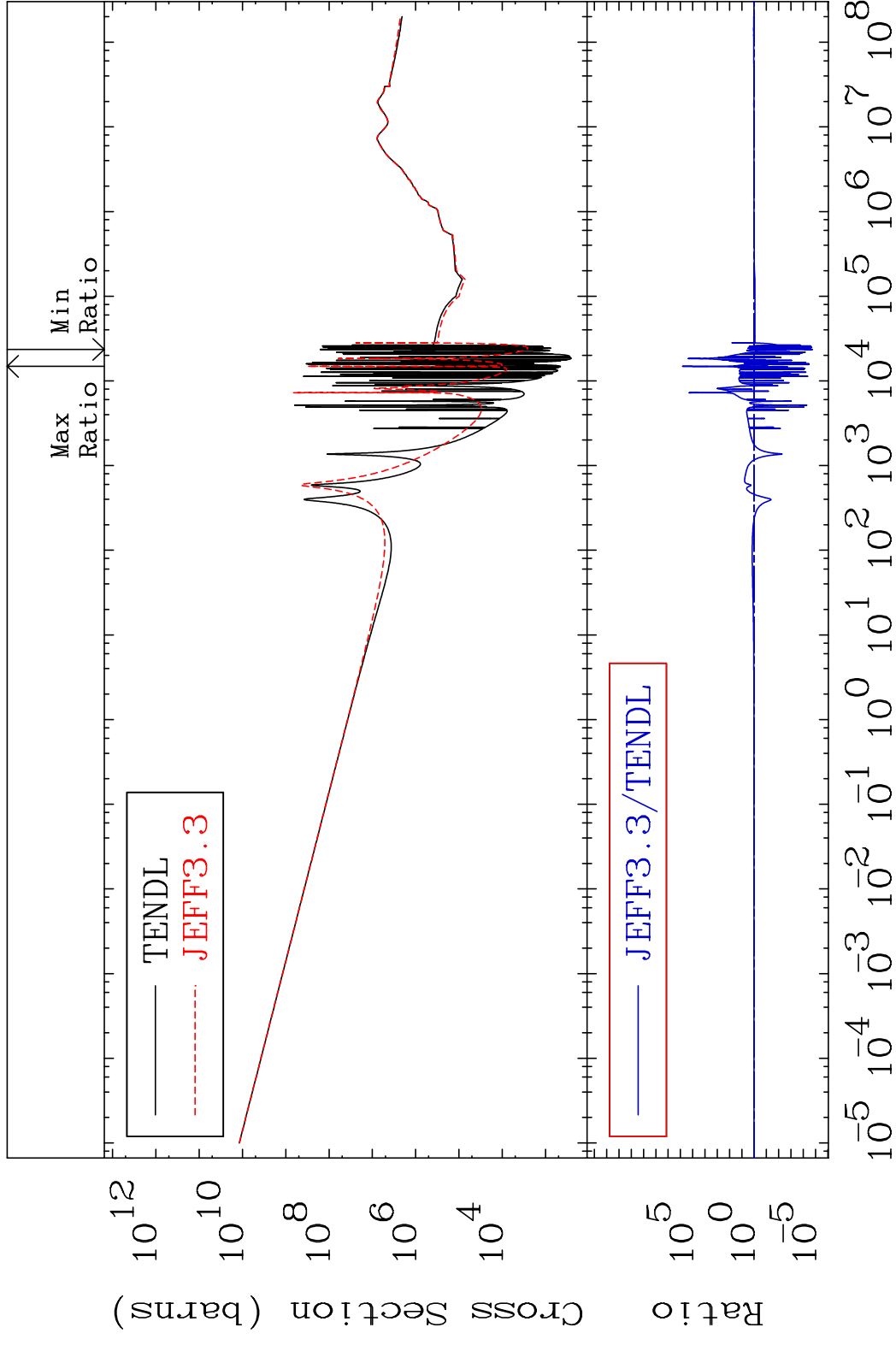
70 Incident Energy (eV) 28-Ni-63

MAT 2840 Kerma capture (mt102) 28-Ni-63  
 Cross Section -100.0 To 9999. %



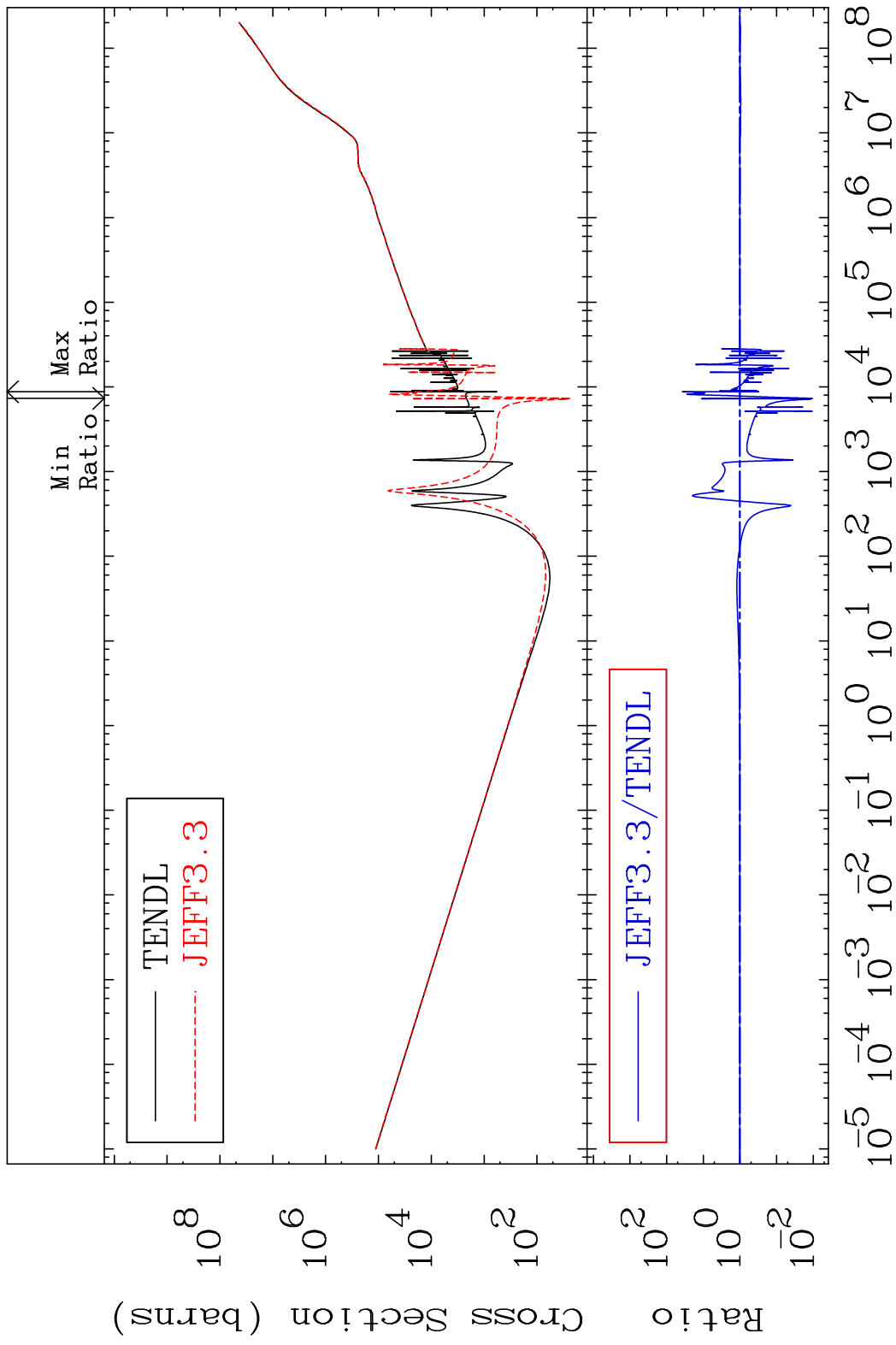
71 Incident Energy (eV) 28-Ni-63

MAT 2840 Total photon (eV-barns) 28-Ni-63  
Cross Section -100.0 To 9999. %

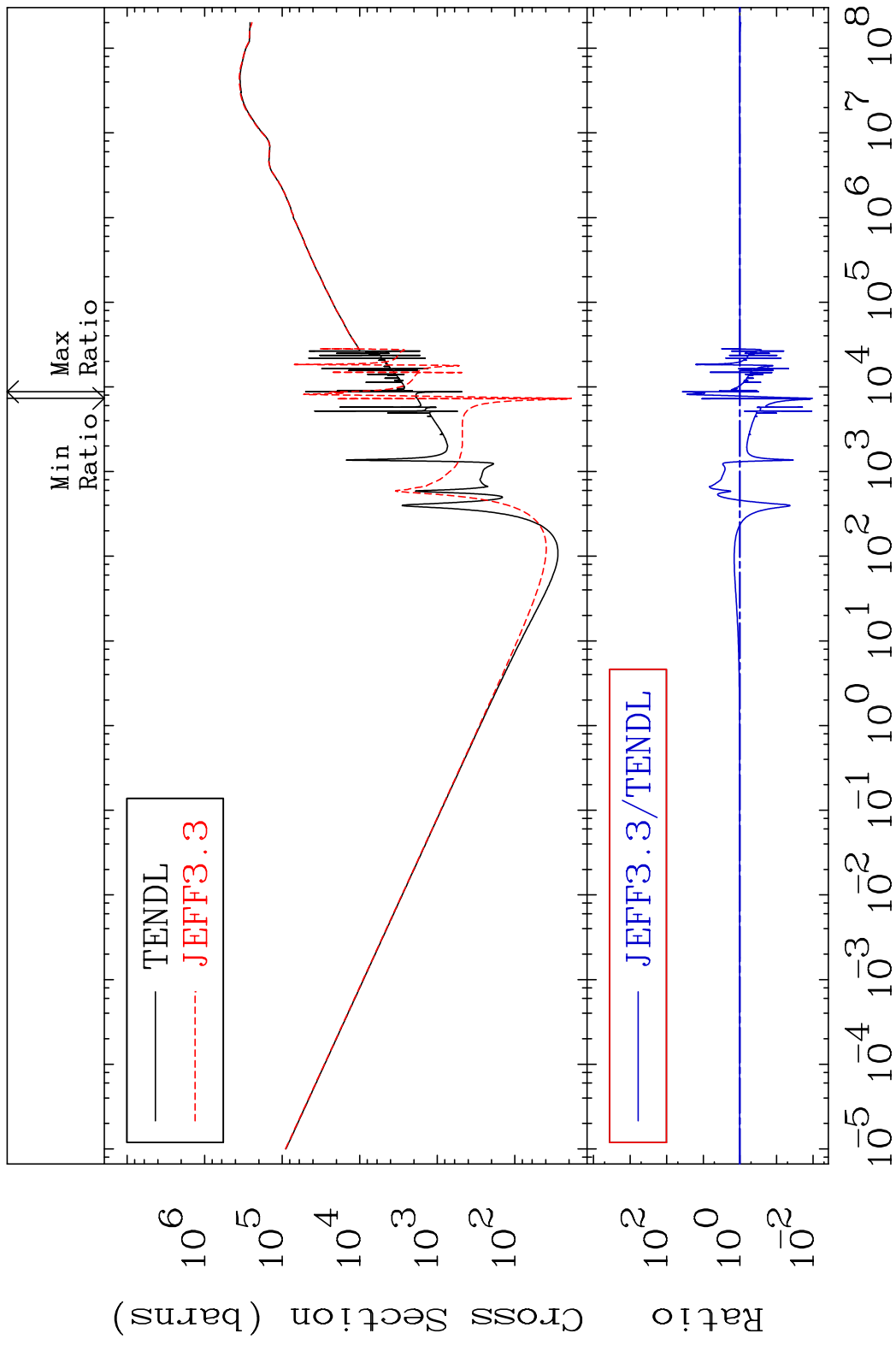


72 Incident Energy (eV) 28-Ni-63

MAT 2840 Total kinematic kerma (high limit) 28-Ni-63  
 Cross Section -98.95 To 3632. %



MAT 2840      Dpa total (eV-barns)      28-Ni-63  
 Cross Section      -98.97 To 3640. %



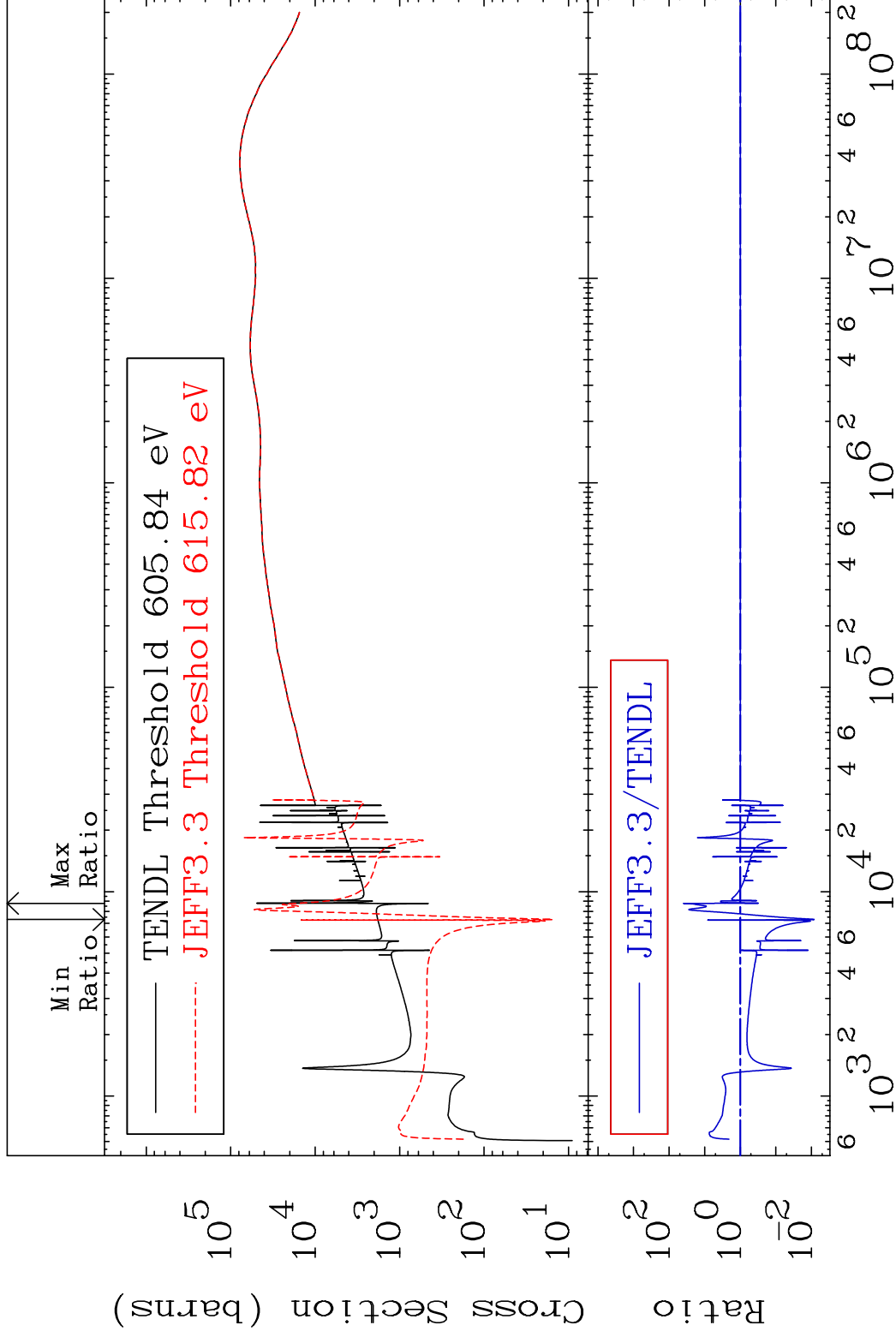
74      Incident Energy (eV)      28-Ni-63

MAT 2840

Dpa elastic (mt2)

28-Ni-63

Cross Section -99.16 To 3799. %

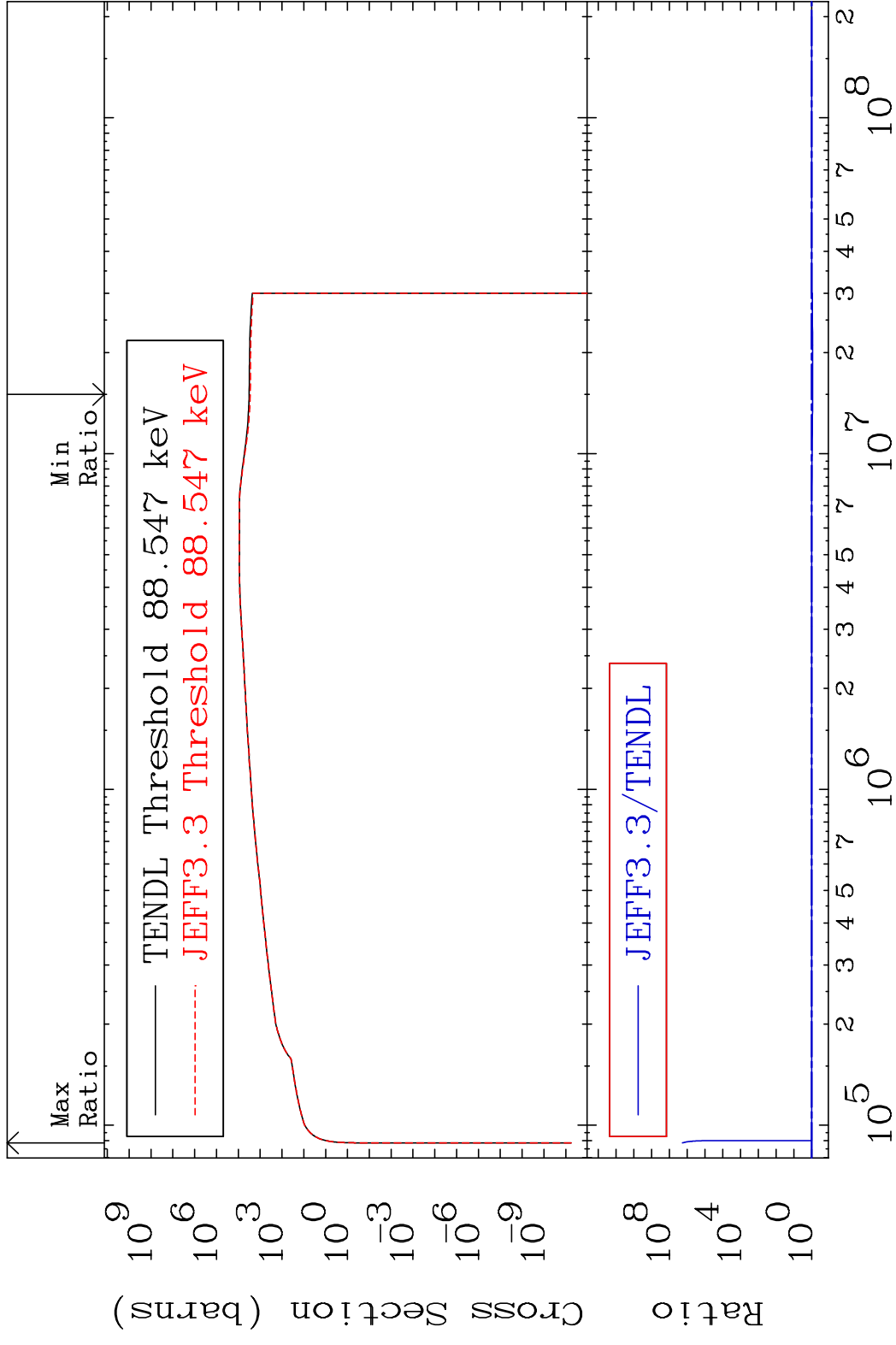


75

Incident Energy (eV)

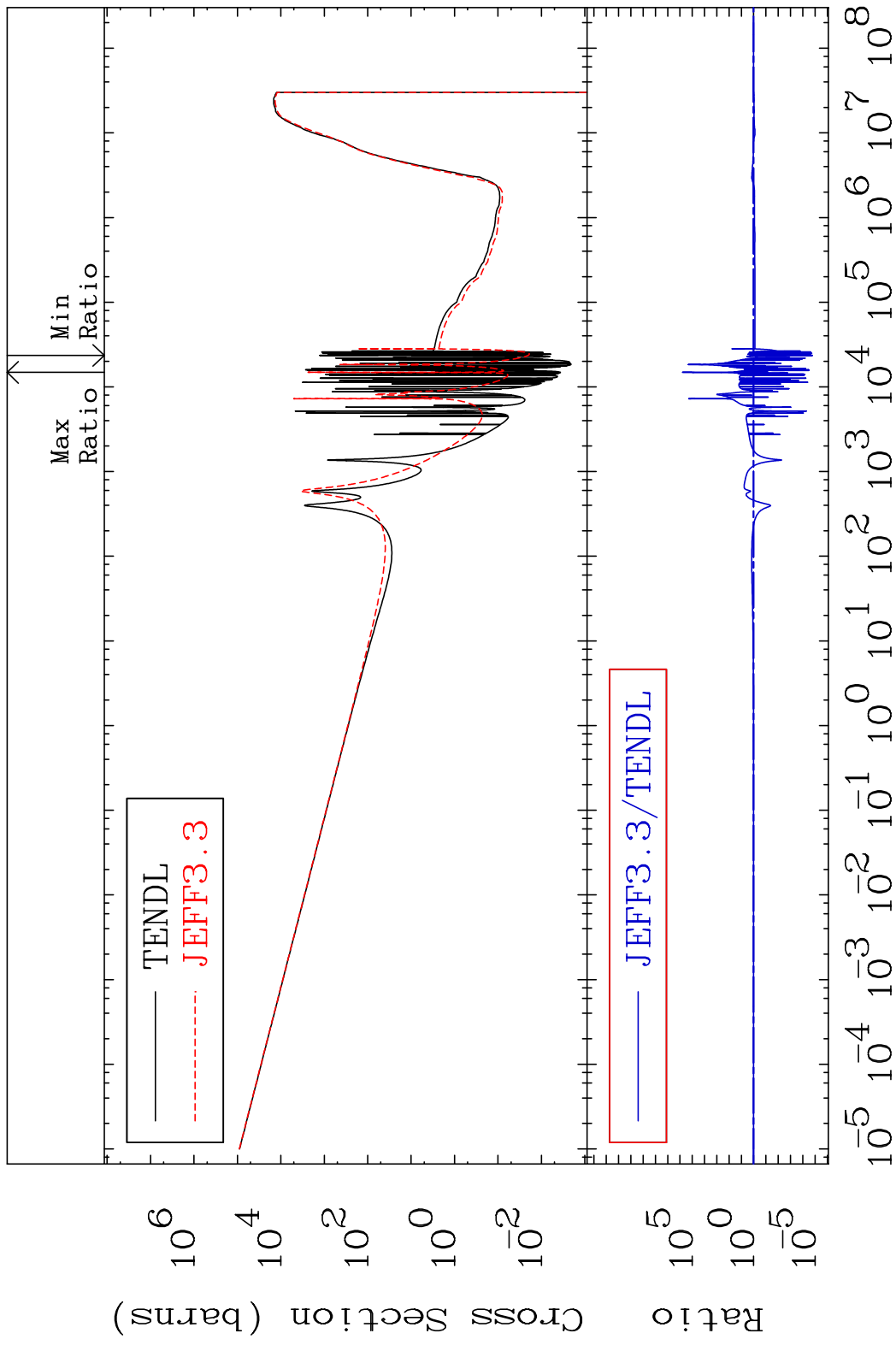
28-Ni-63

MAT 2840 Dpa inelastic (mt51-91) 28-Ni-63  
 Cross Section -10.76 To 9999. %

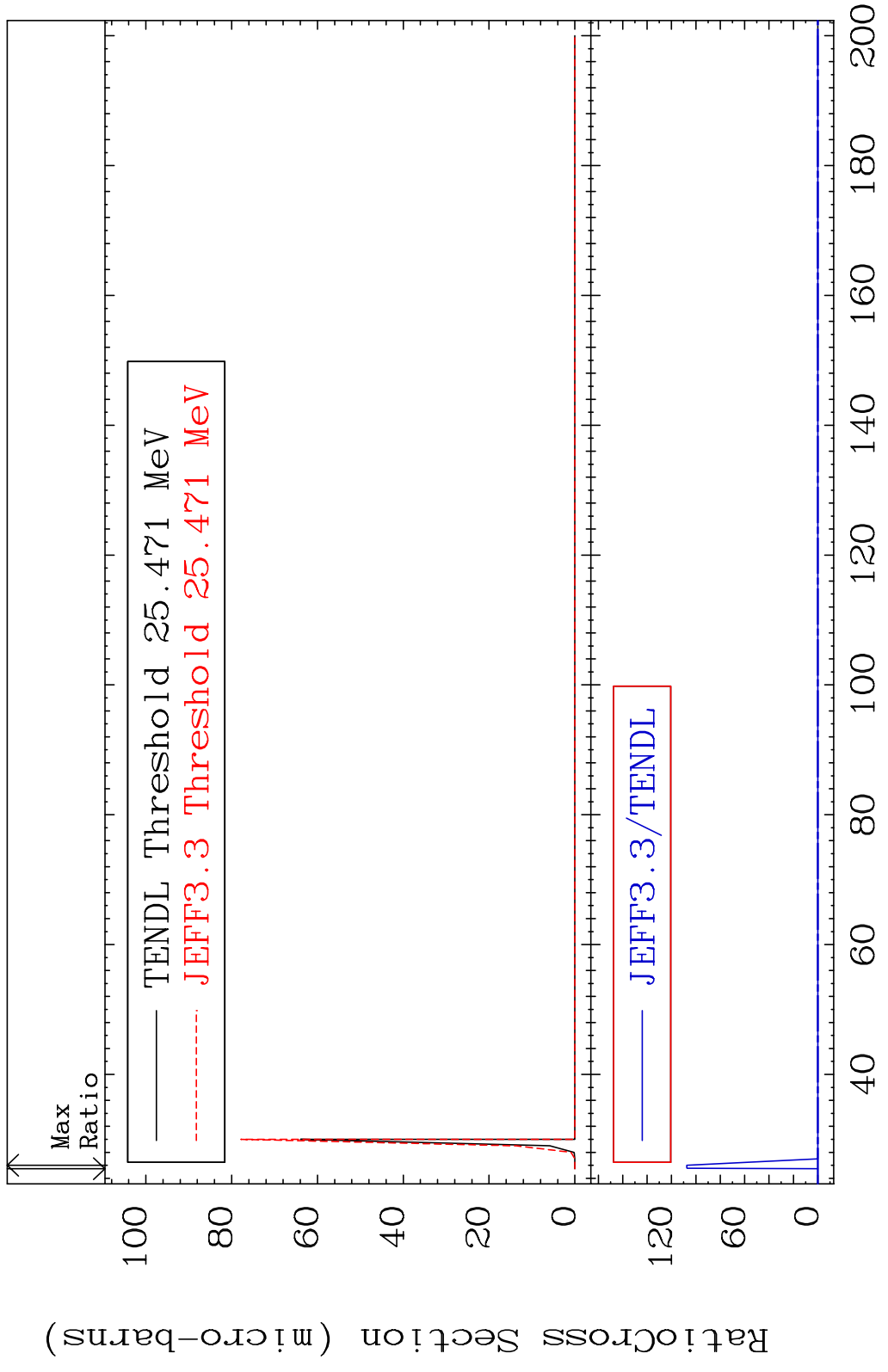


76 Incident Energy (eV) 28-Ni-63

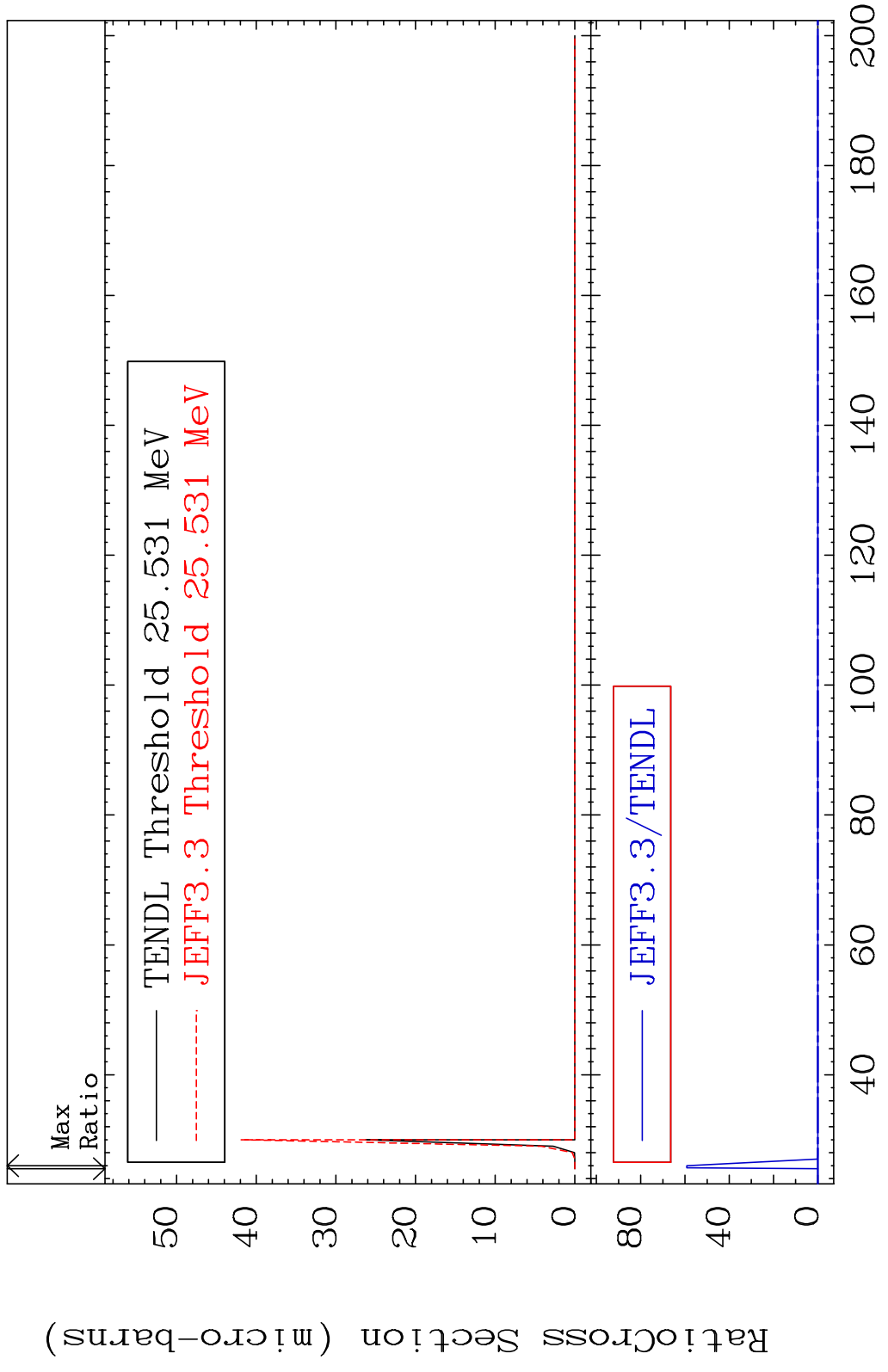
MAT 2840 Dpa disappearance (mt102 -120) 28-Ni-63  
 Cross Section -100.0 To 9999. %



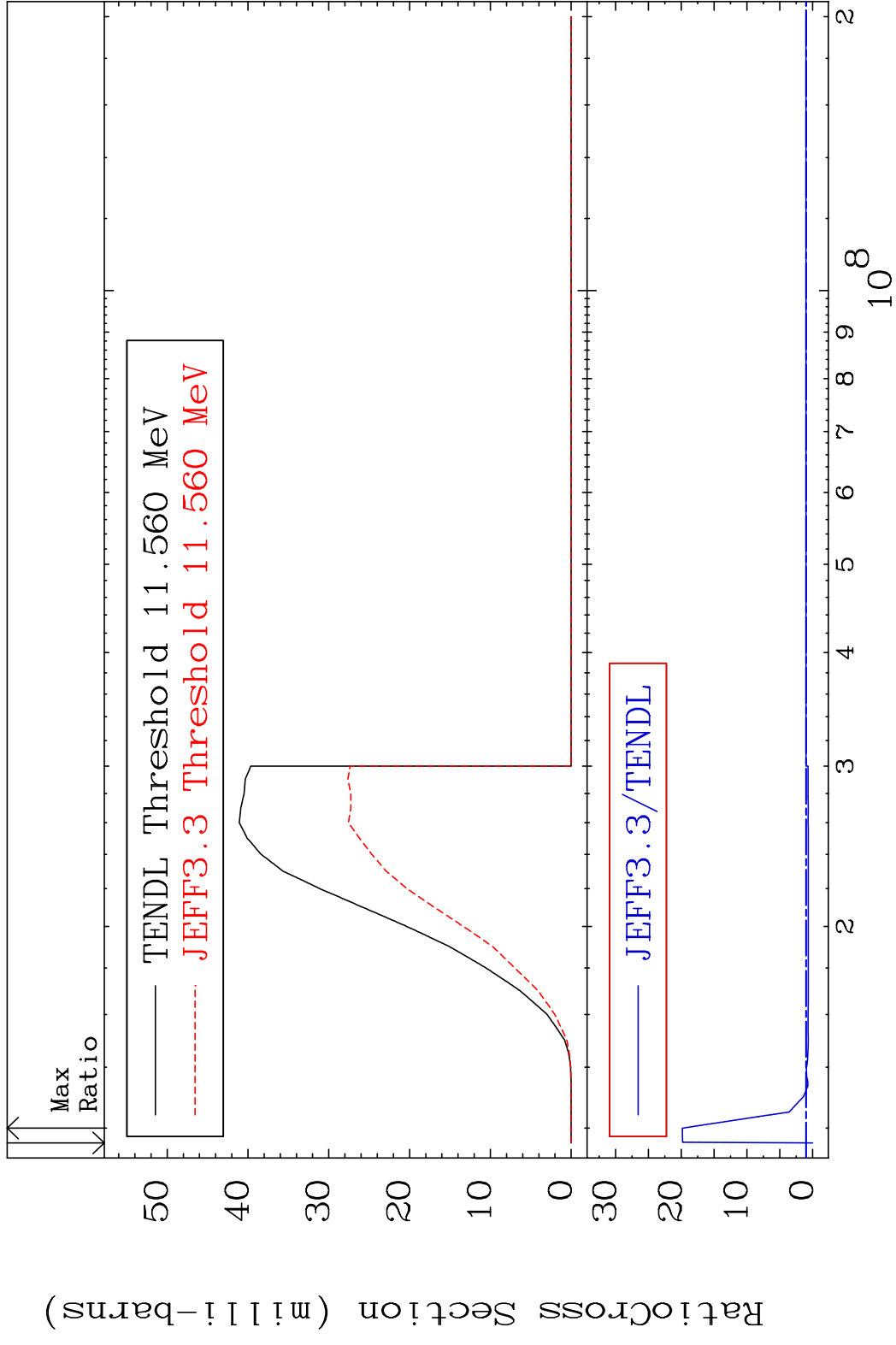
MAT 2840 (n,2n) d:27-Co-60g 28-Ni-63  
 Radionuclide Production Cross Section 100.00000000000000 %



MAT 2840 (n,2n) d:27-Co-60m1 28-Ni-63  
 Radionuclide Production Cross Section 100.00 %

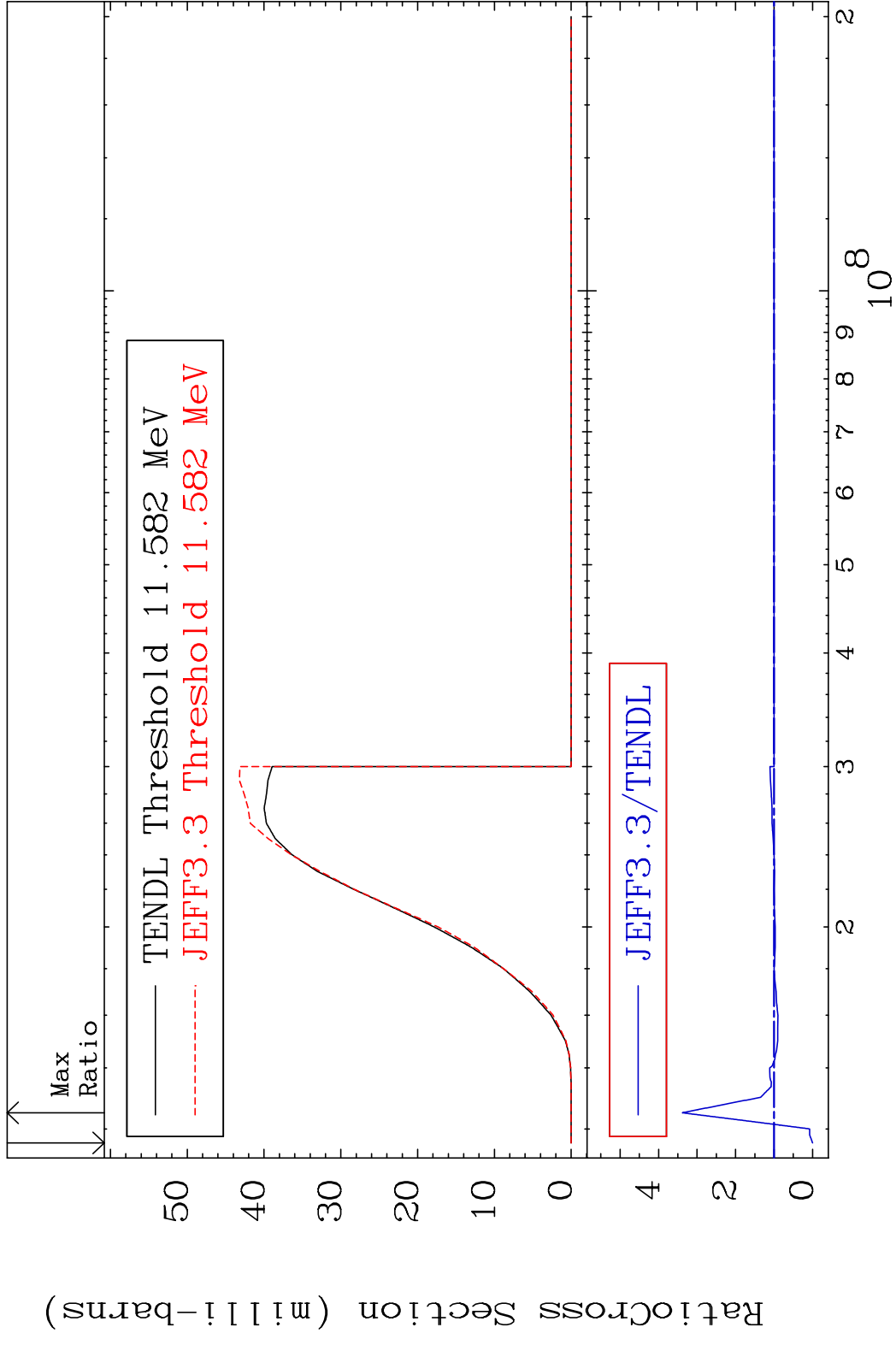


MAT 2840 (n, n') p:27-Co-62g 28-Ni-63  
 Radionuclide Production Cross Section 1883. %

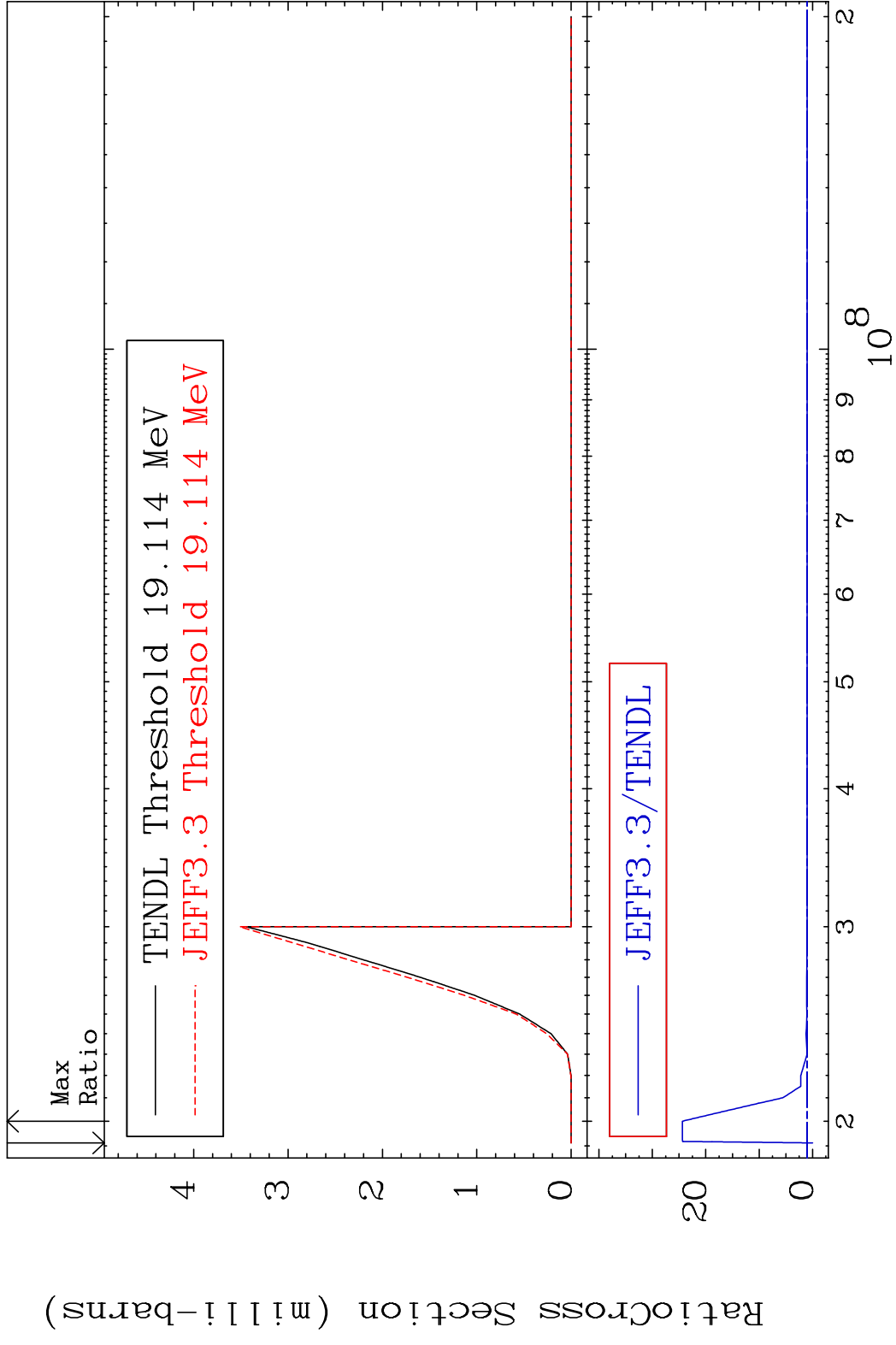


80 Incident Energy (eV) 28-Ni-63

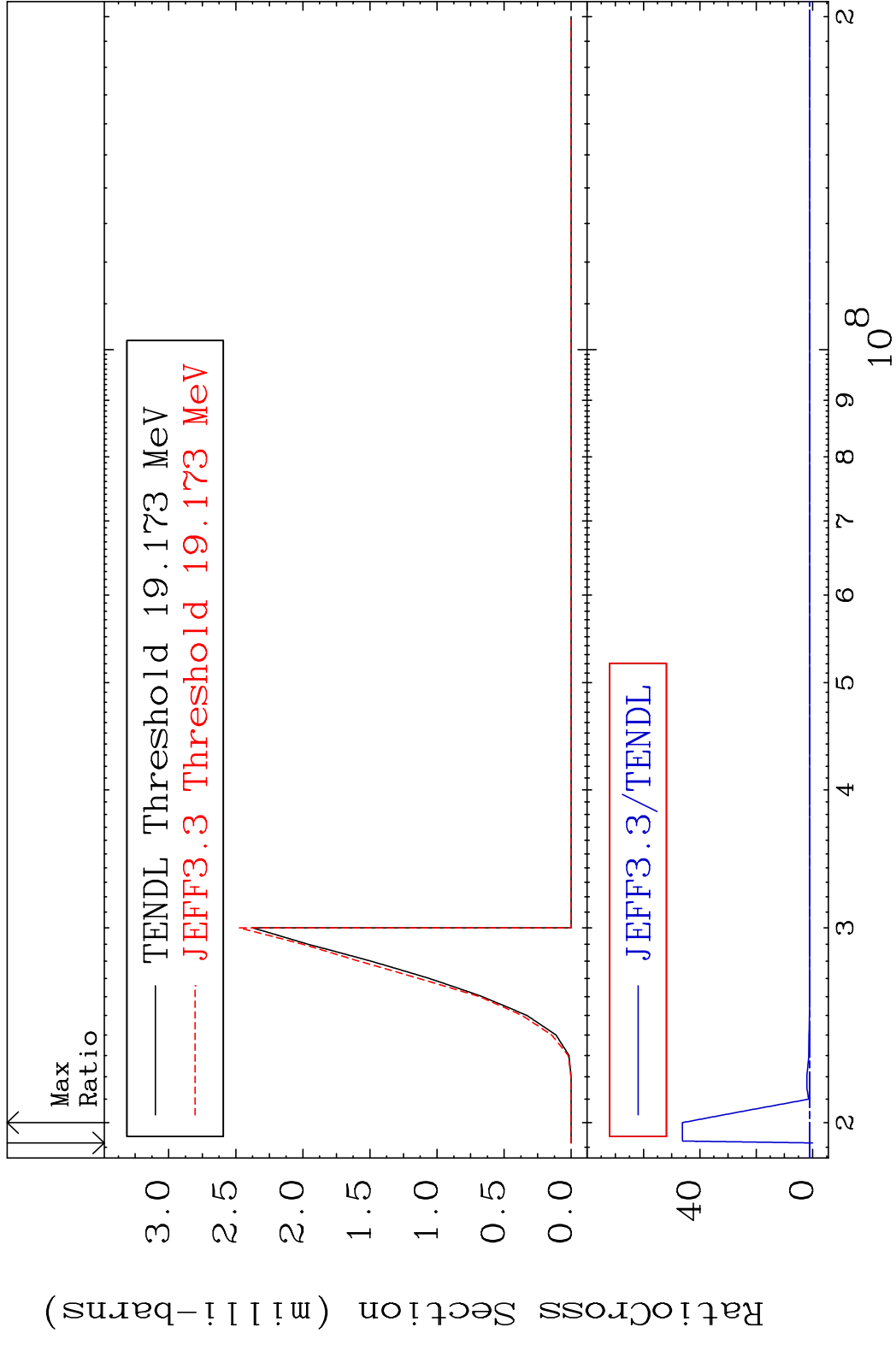
MAT 2840 (n, n') p:27-Co-62m1 28-Ni-63  
 Radionuclide Production Cross Section 180.01 dth 238.2 %



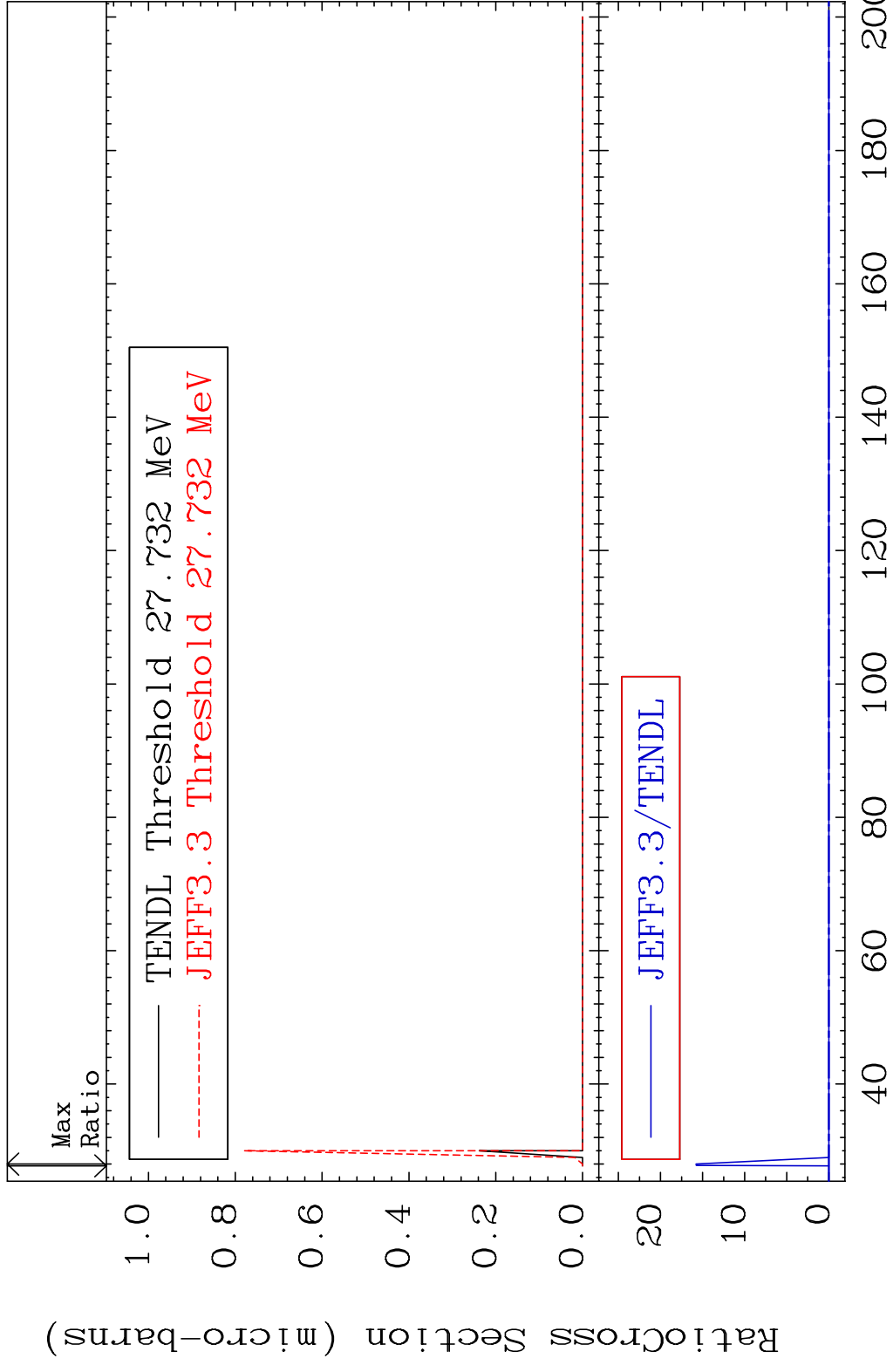
MAT 2840 (n, n') t:27-Co-60g 28-Ni-63  
 Radionuclide Production Cross Section 180.01 dth 2338. %



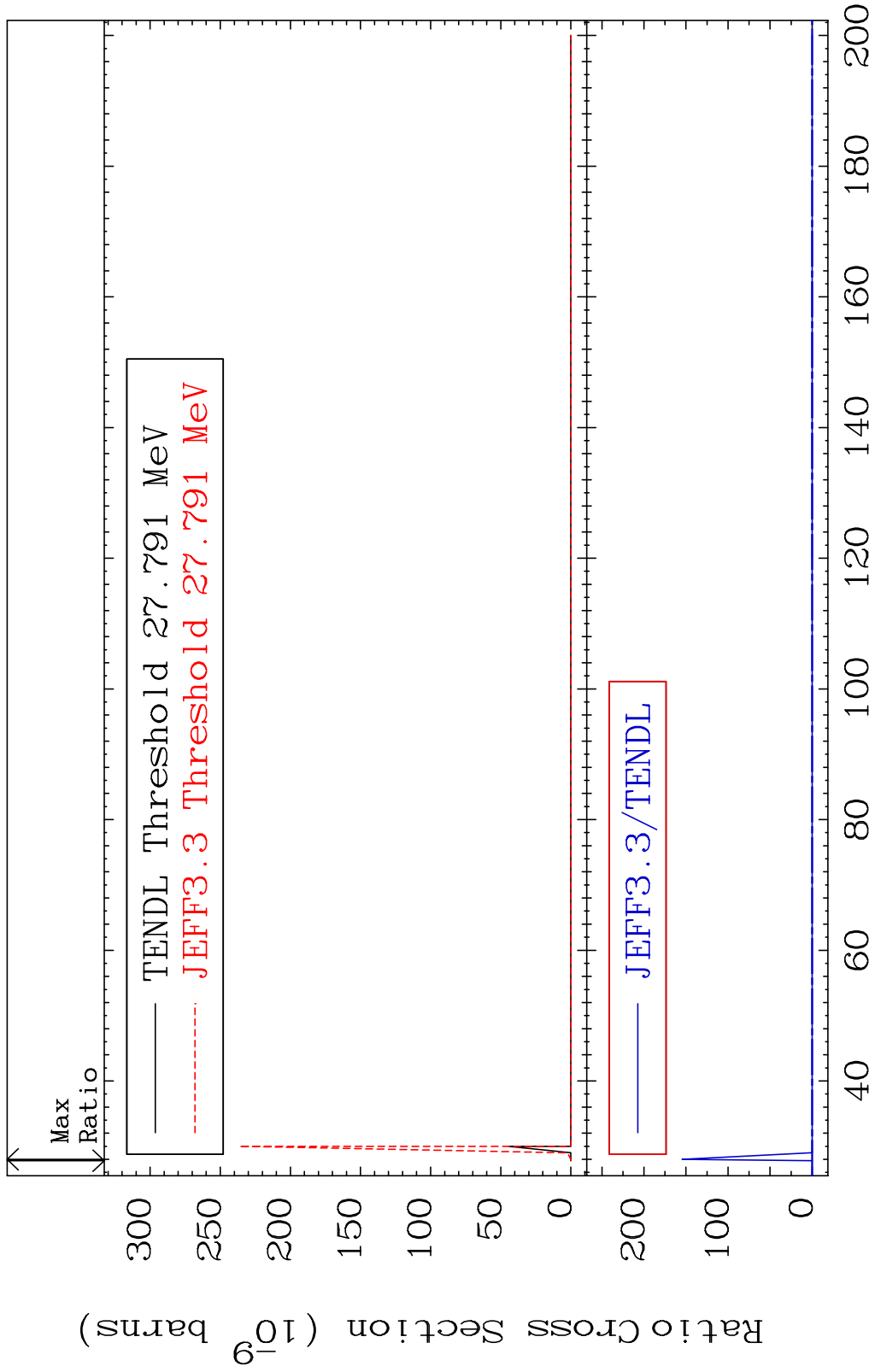
MAT 2840 (n, n') t:27-Co-60m1 28-Ni-63  
 Radionuclide Production Cross Section 1800.0 dth 4522. %

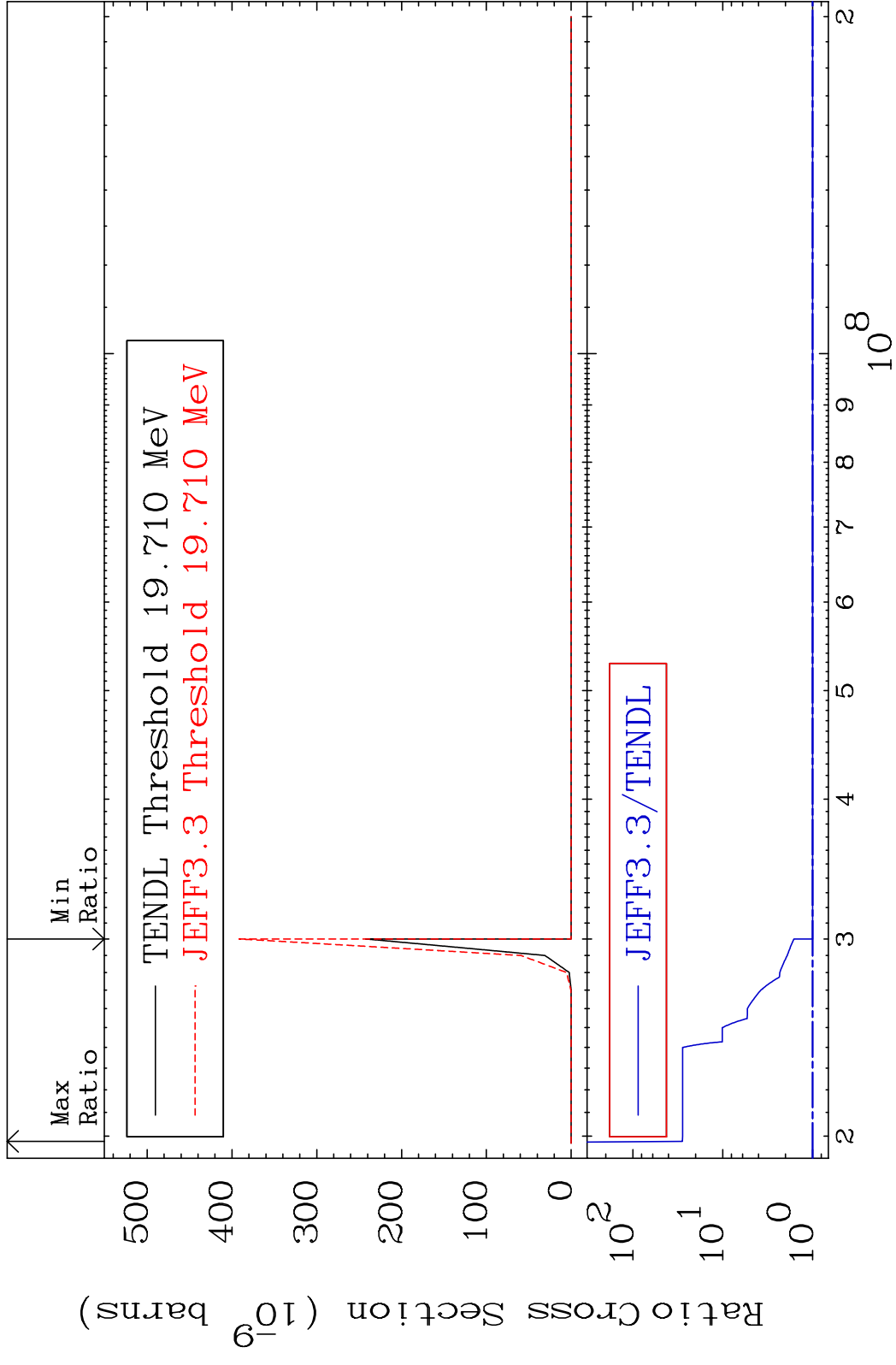


MAT 2840 (n,3n) p:27-Co-60g 28-Ni-63  
 Radionuclide Production Cross Section (micro-barn) 9999. %

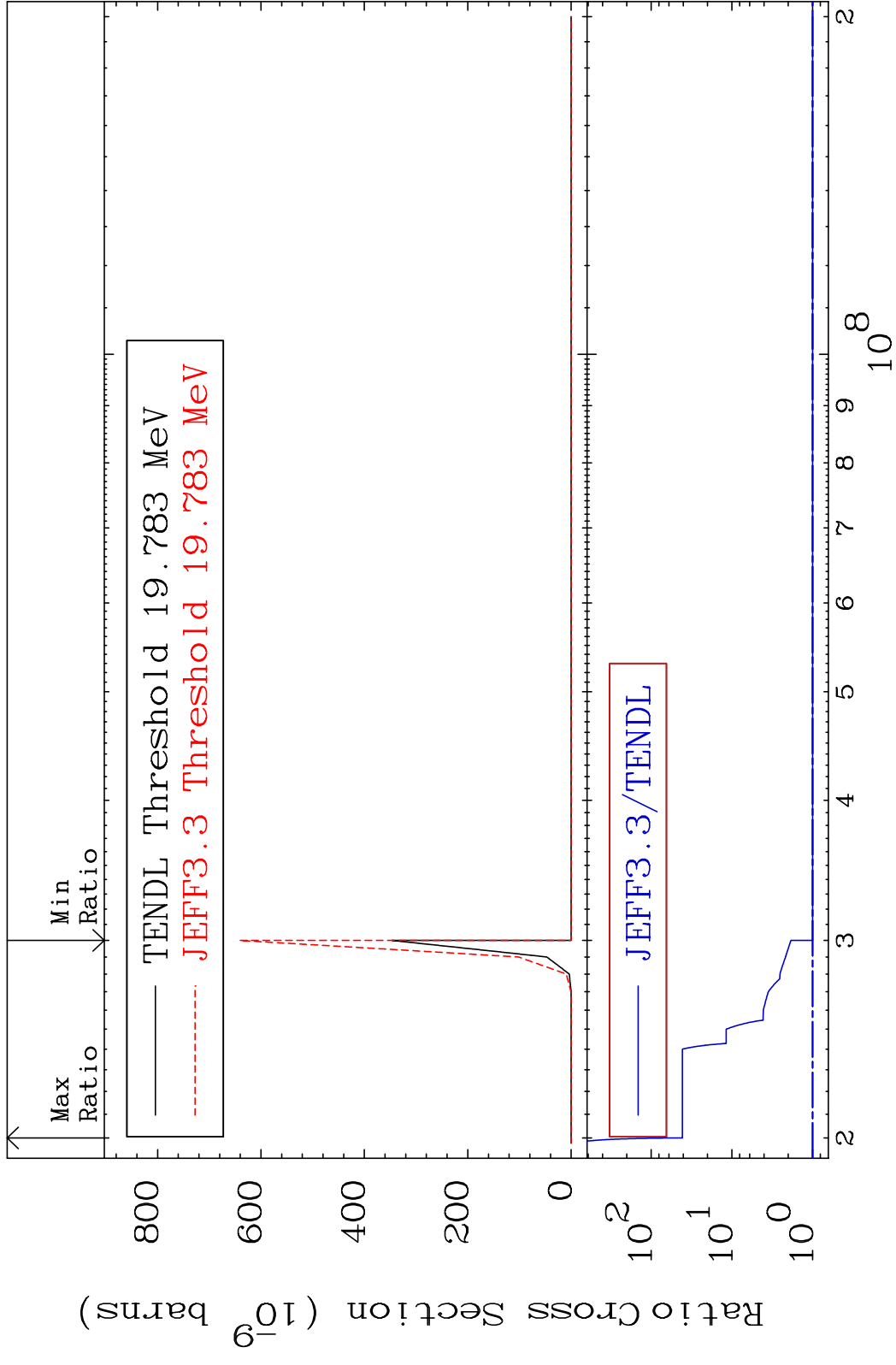


MAT 2840 (n,3n) p:27-Co-60m1 28-Ni-63  
 Radionuclide Production Cross Section 1800.0 dth 9999. %

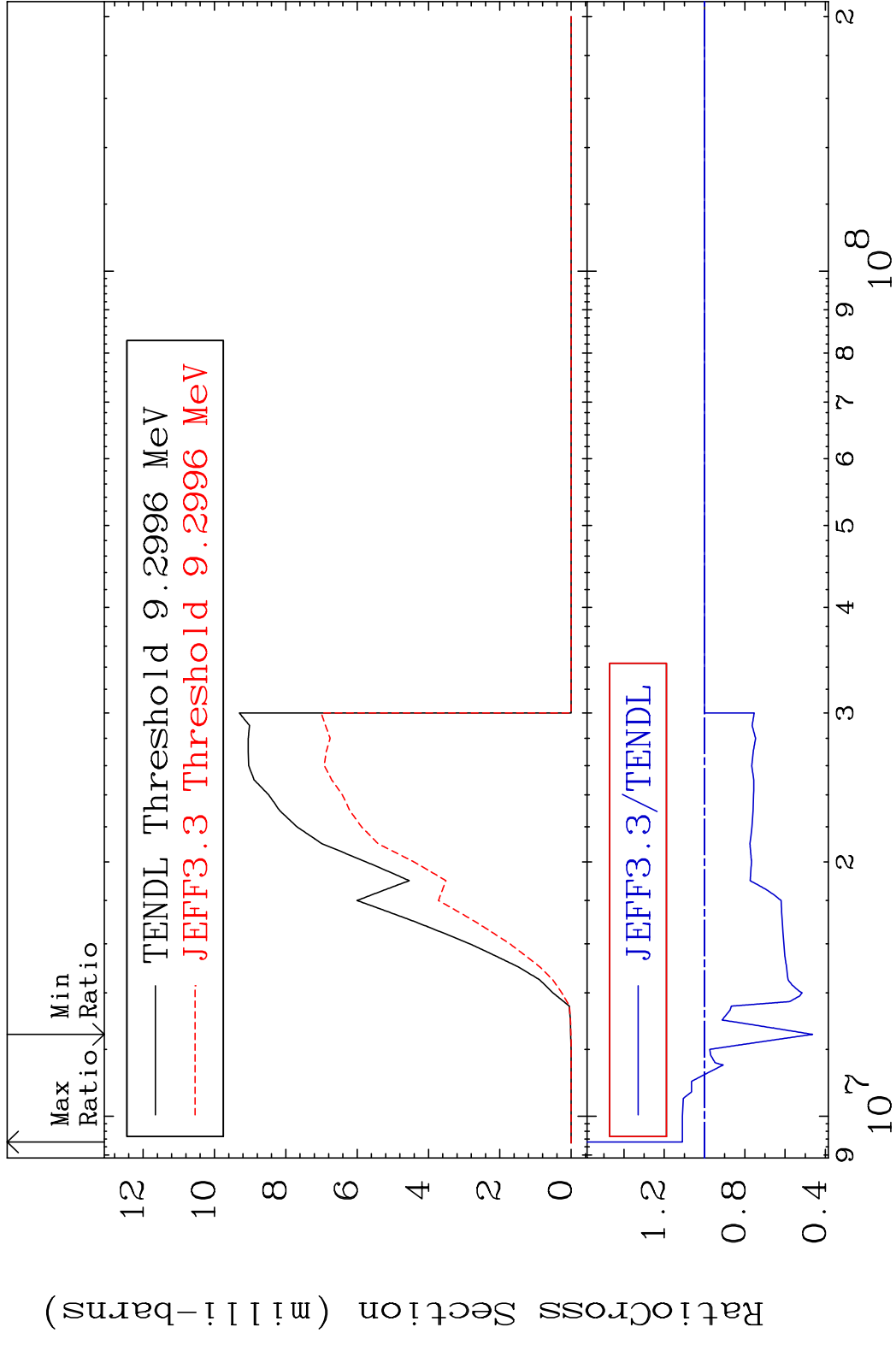




MAT 2840 (n, n') p  $\alpha$ :25-Mn-58m1 28-Ni-63  
 Radionuclide Production Cross Section 3998. %

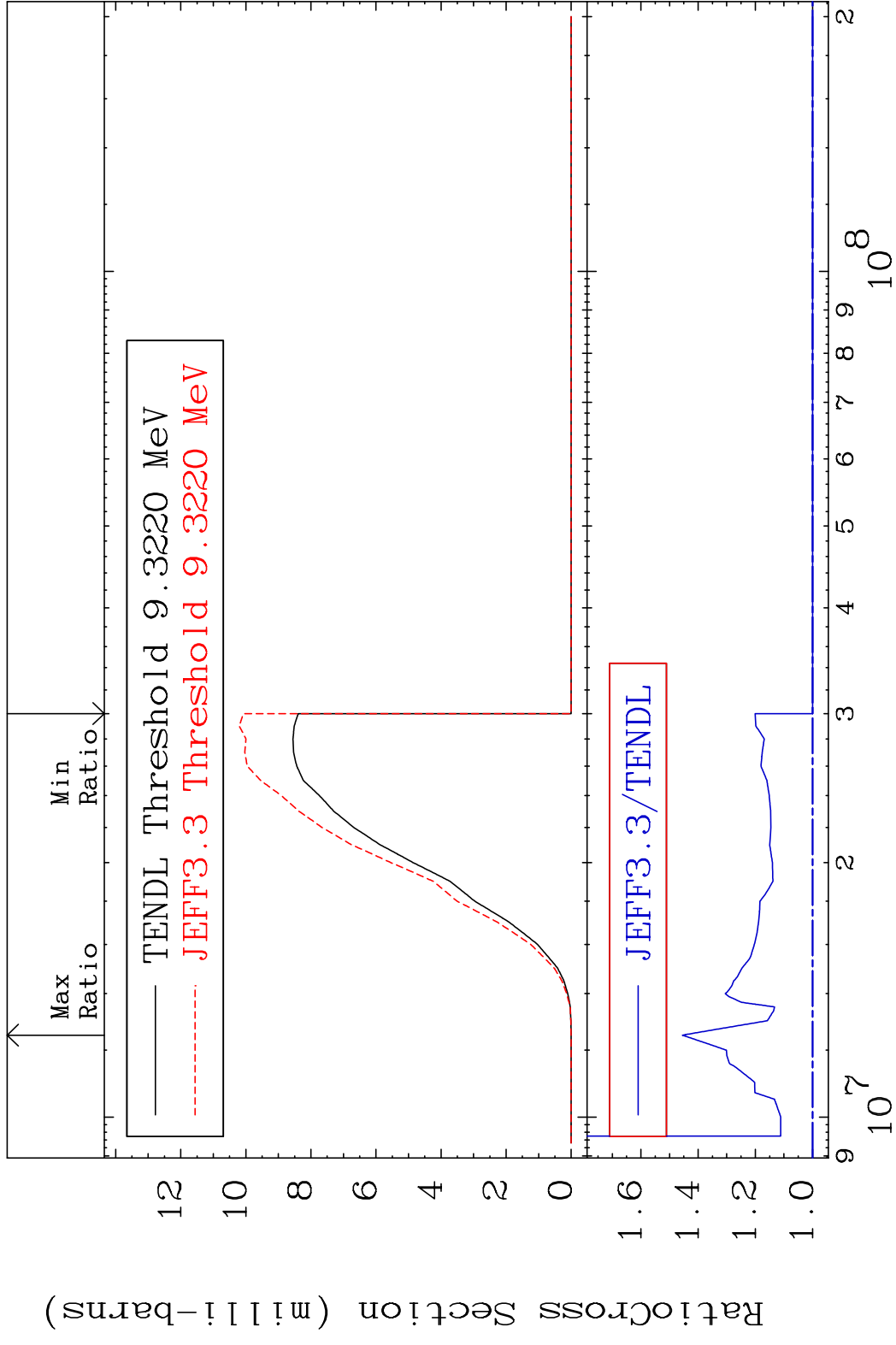


MAT 2840 (n, d): 27-Co-62g 28-Ni-63  
 Radionuclide Production Cross Section 11.01 %



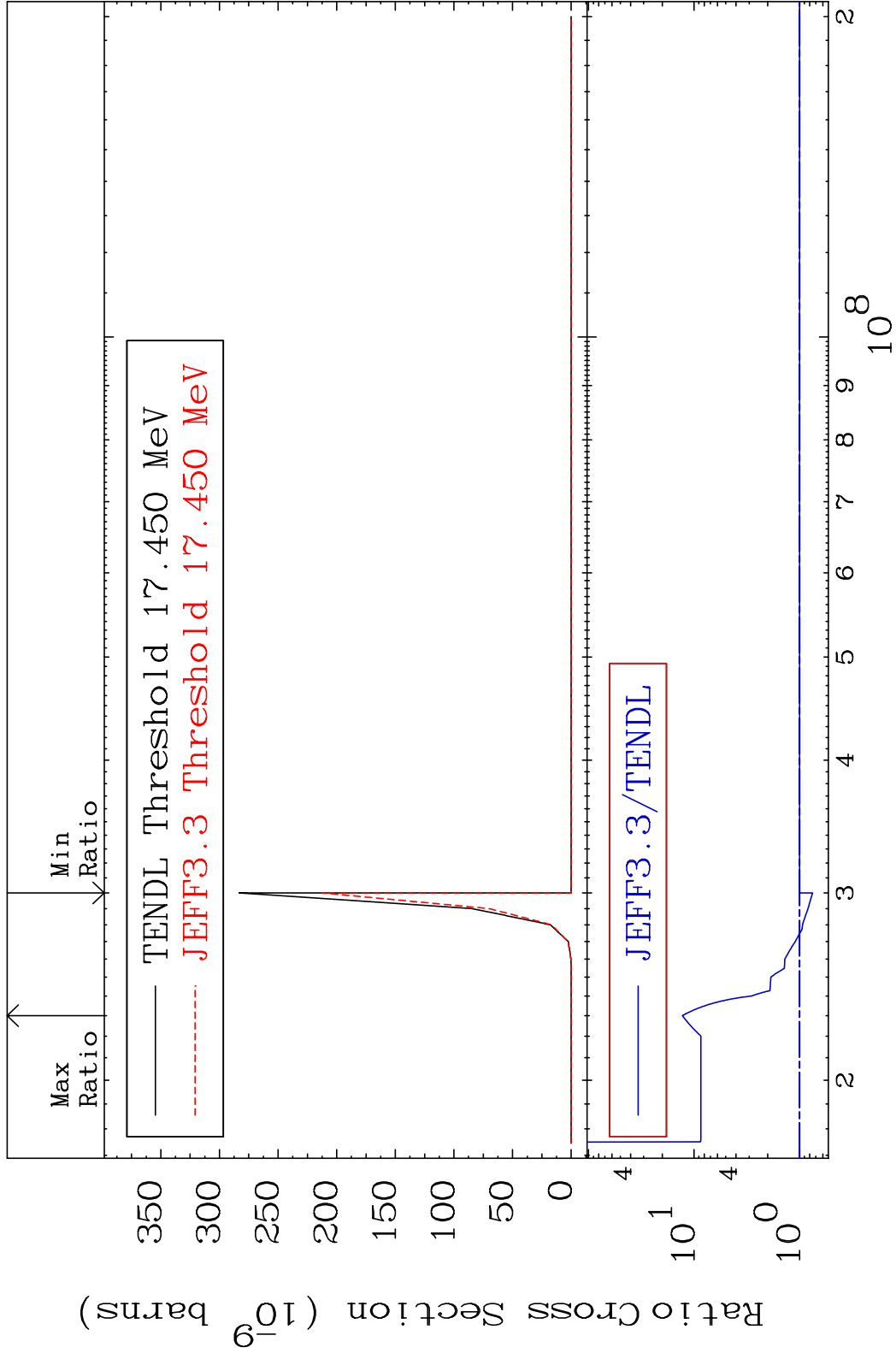
88 28-Ni-63

MAT 2840 (n,d):27-Co-62m1 28-Ni-63  
 Radionuclide Production Cross Section 45.51 %



89 28-Ni-63

MAT 2840 (n, d)  $\alpha$ :25-Mn-58g 28-Ni-63  
 Radionuclide Production Cross Section 1190. %



MAT 2840 (n, d)  $\alpha$ :25-Mn-58m1 28-Ni-63  
 Radionuclide Production Cross Section 18661 d10 789.1 %

