

Program Complot  
(Version 2021-1)

by

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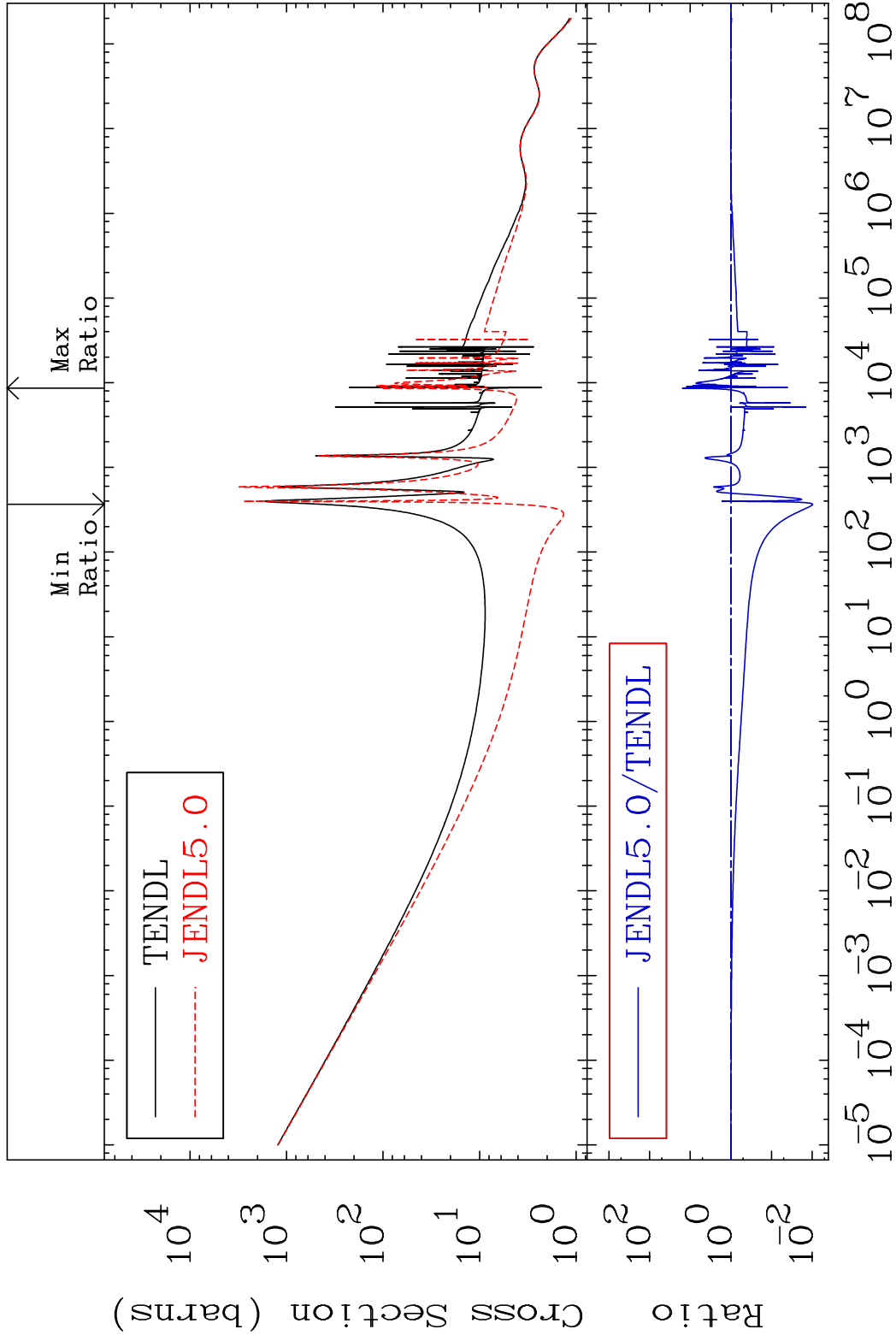
Press Mouse Button to Start

MAT 2840

Total

28-Ni-63

Cross Section -99.02 To 1461. %



1

Incident Energy (eV)

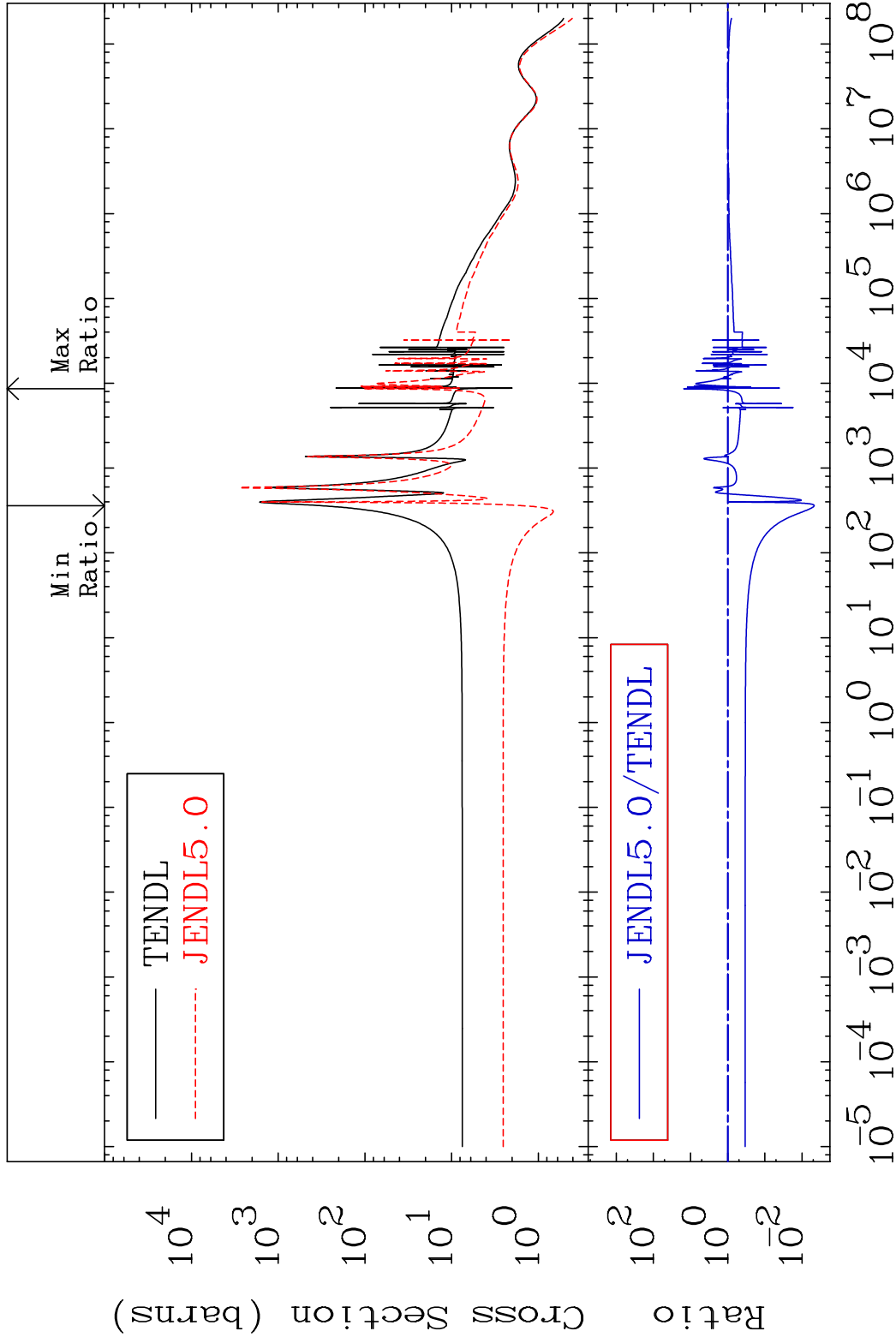
28-Ni-63

MAT 2840

Elastic

28-Ni-63

Cross Section -99.53 To 1434. %

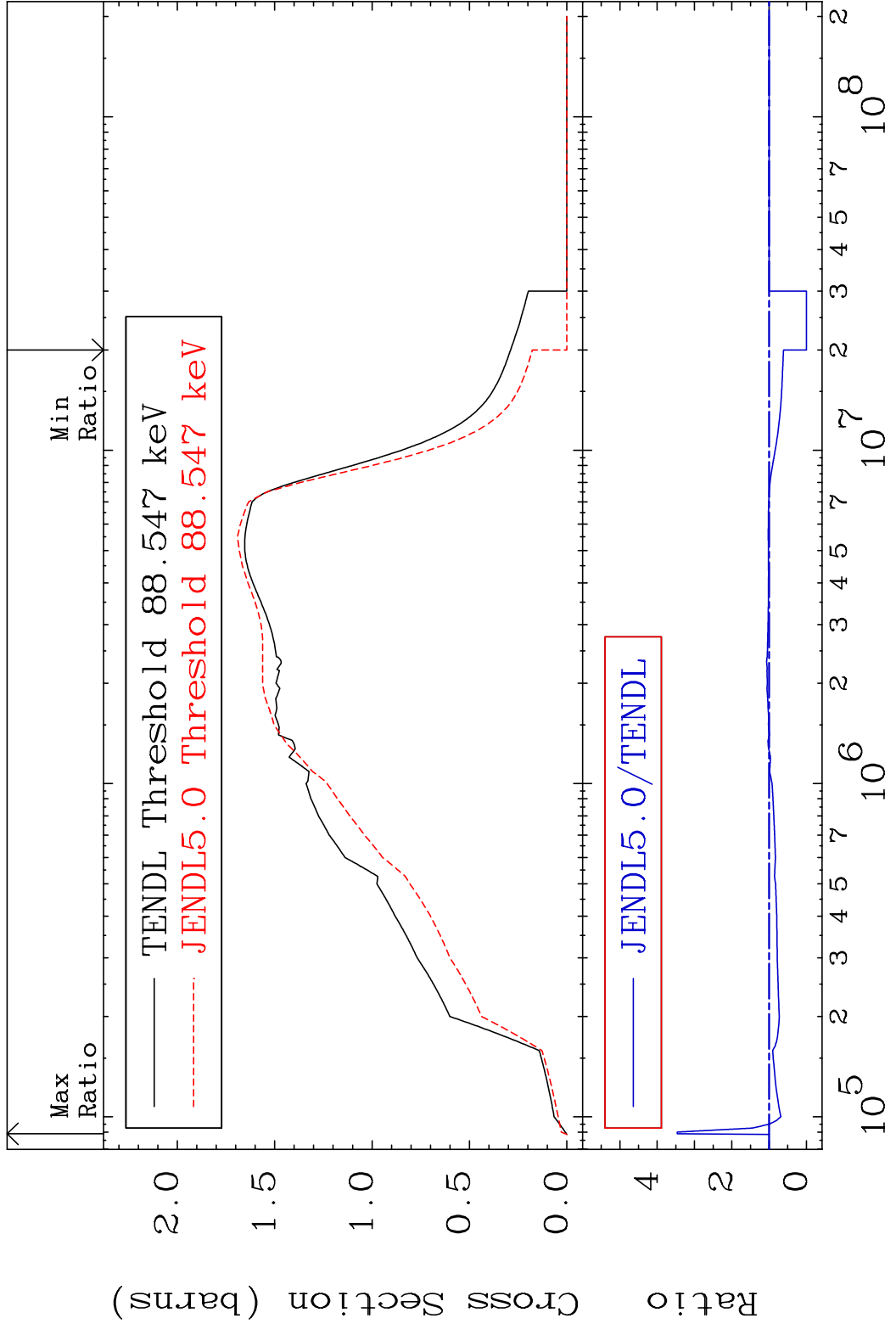


2

Incident Energy (eV)

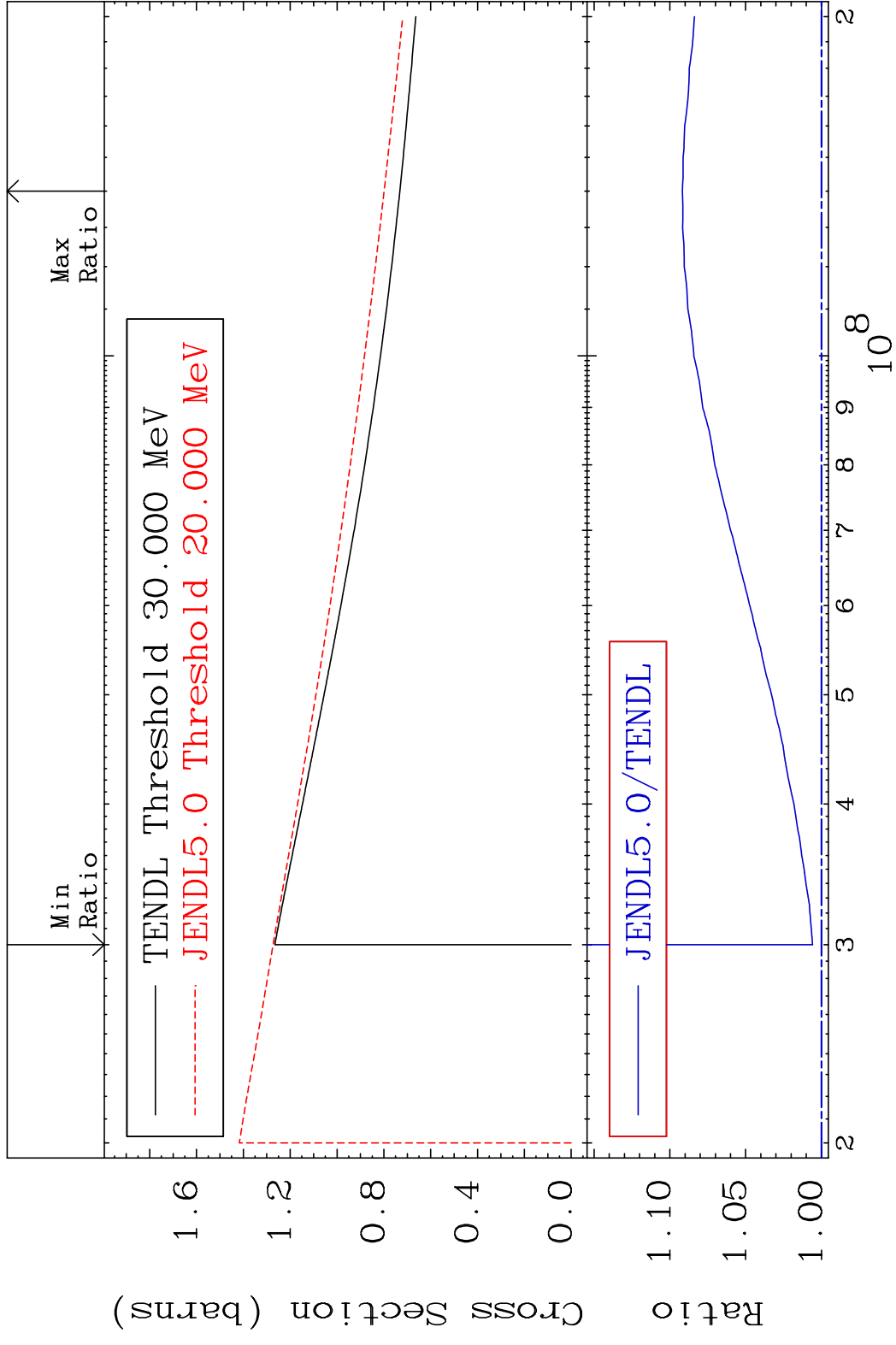
28-Ni-63

MAT 2840 Inelastic 28-Ni-63  
 Cross Section -100.0 To 246.3 %



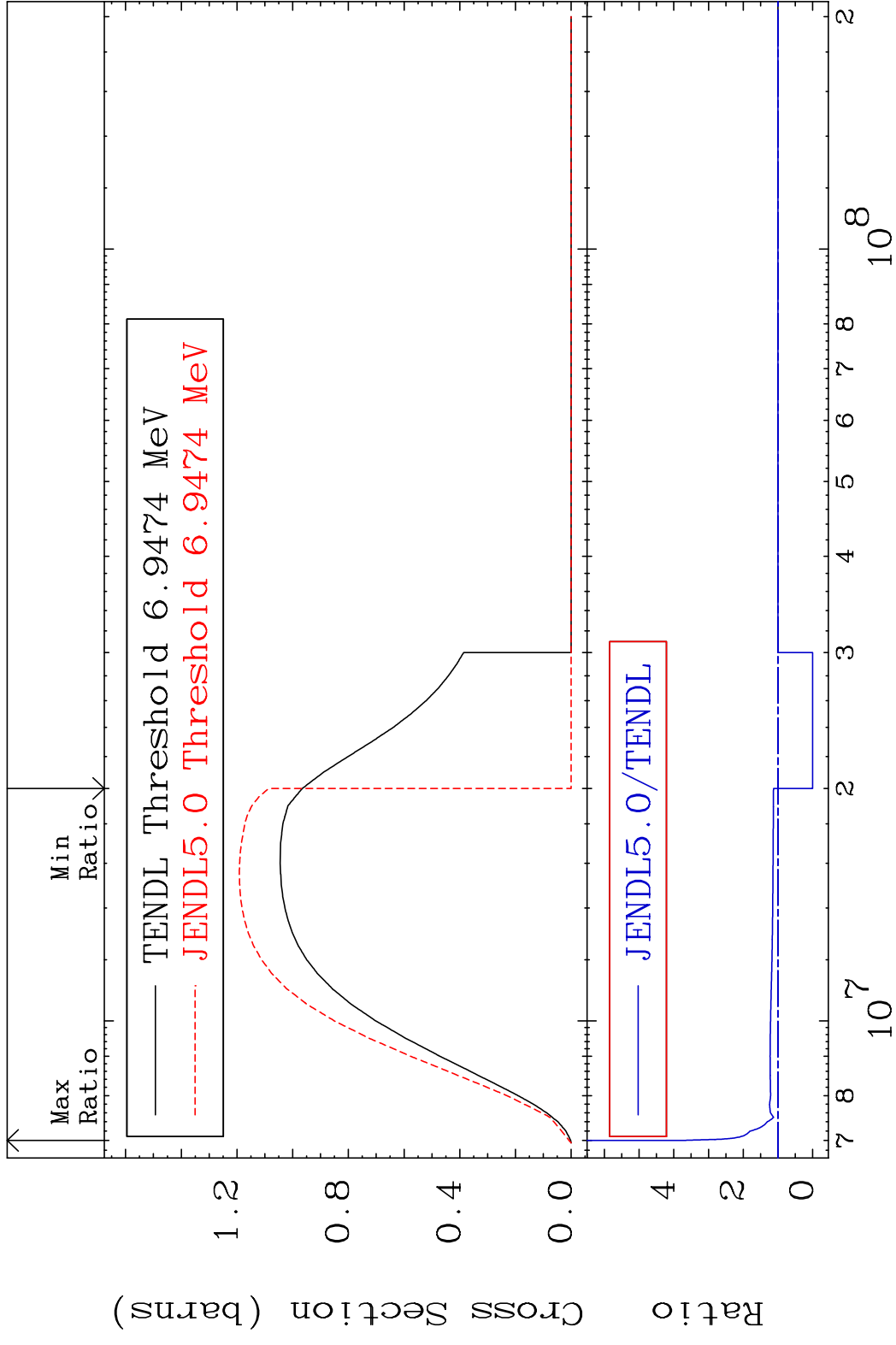
3 Incident Energy (eV) 28-Ni-63

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



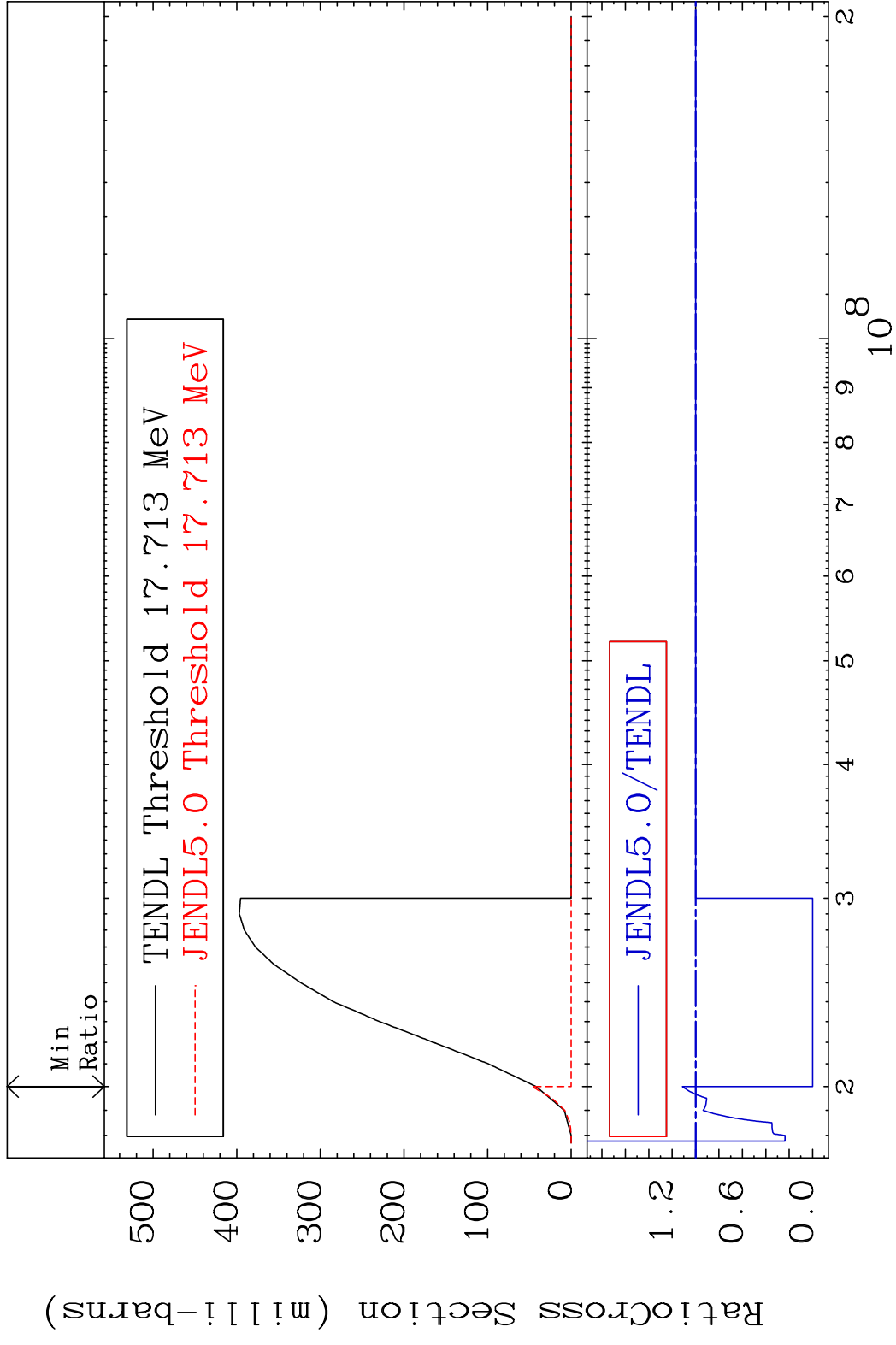
4 Incident Energy (eV) 28-Ni-63

MAT 2840 (n,2n) 28-Ni-63  
 Cross Section -100.0 To 275.4 %

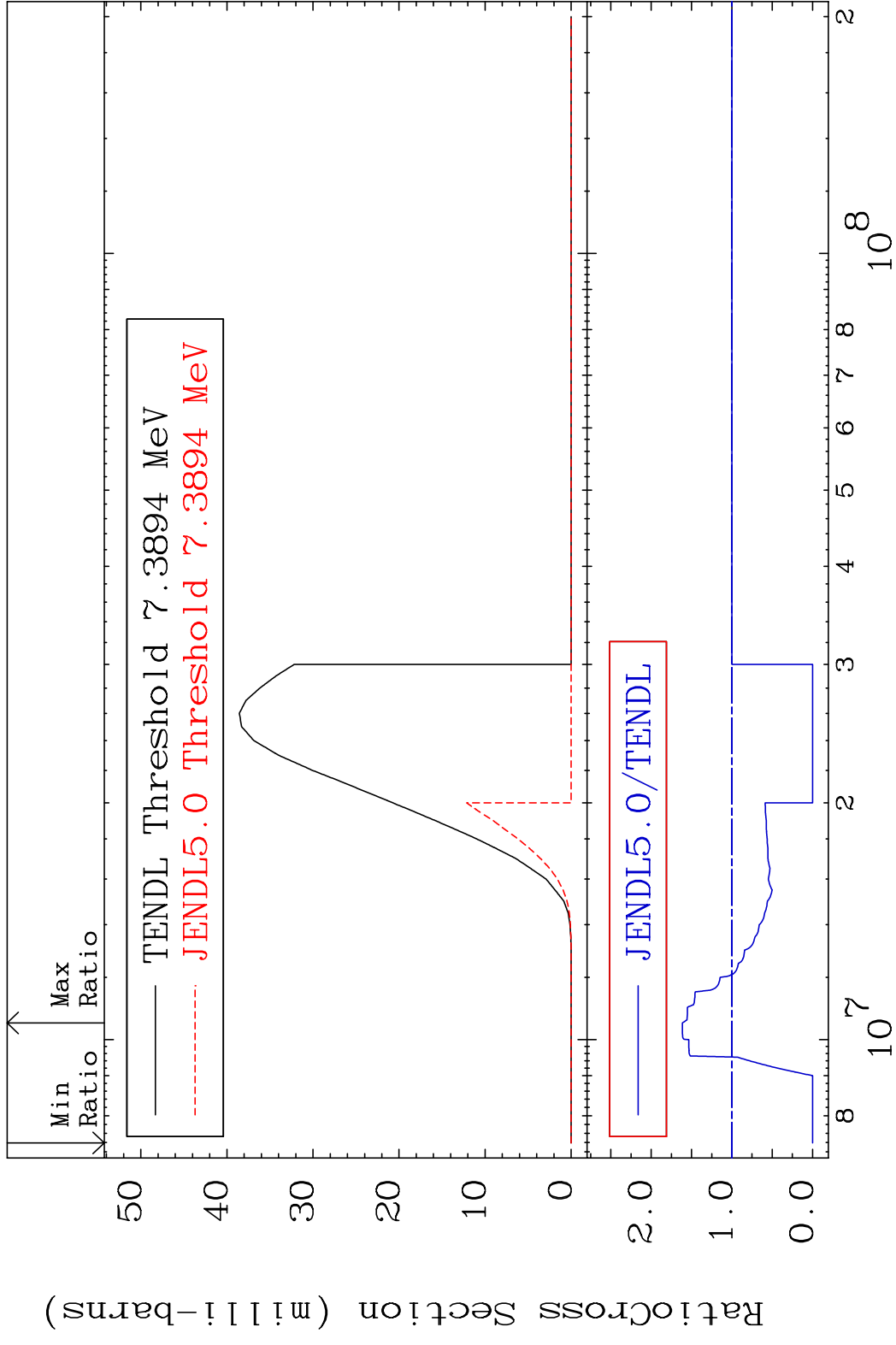


5 28-Ni-63

MAT 2840 (n,3n) 28-Ni-63  
 Cross Section -100.0 To 11.30 %



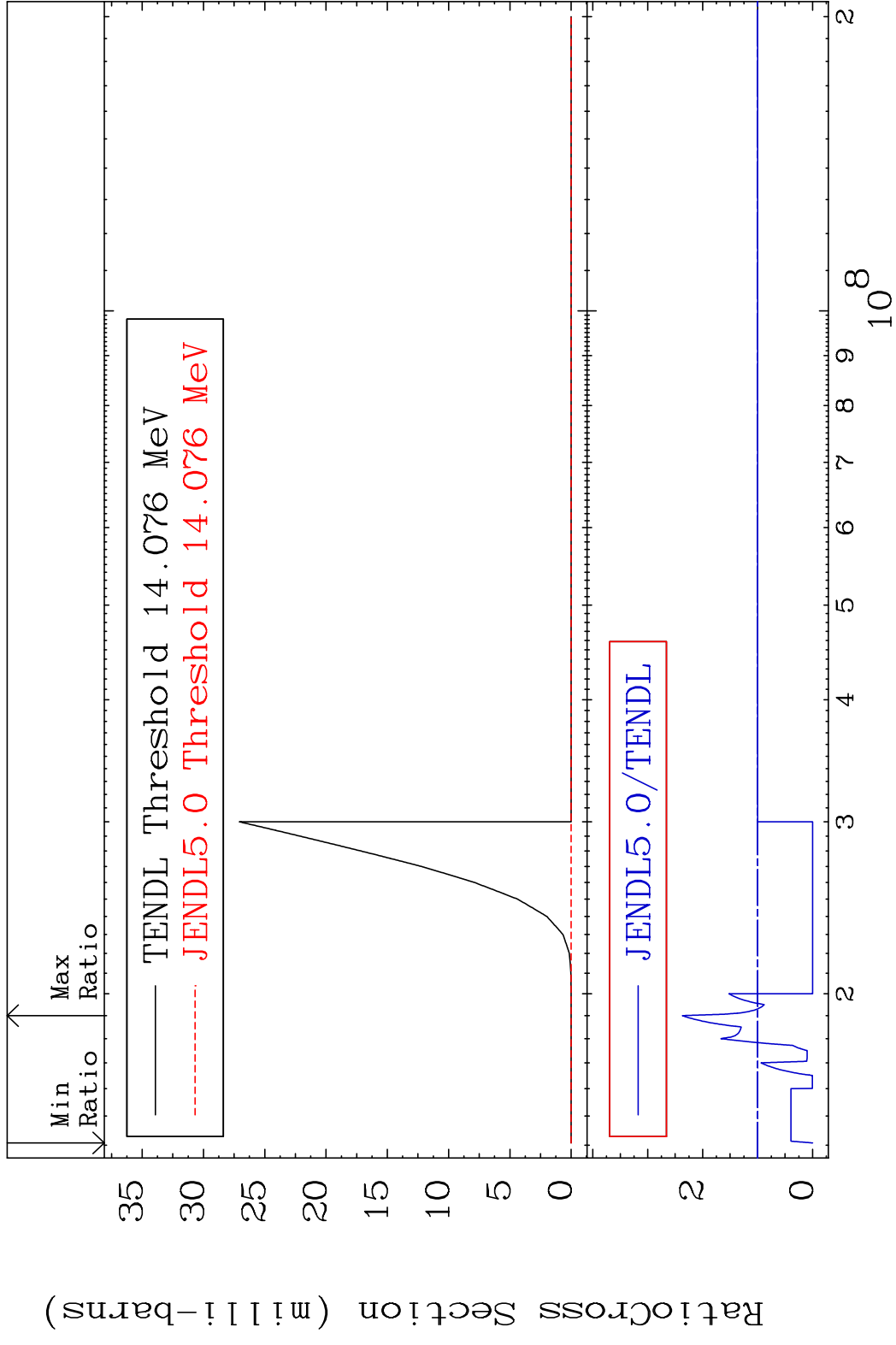
MAT 2840 (n, n')  $\alpha$  28-Ni-63  
 Cross Section -100.0 To 61.41 %



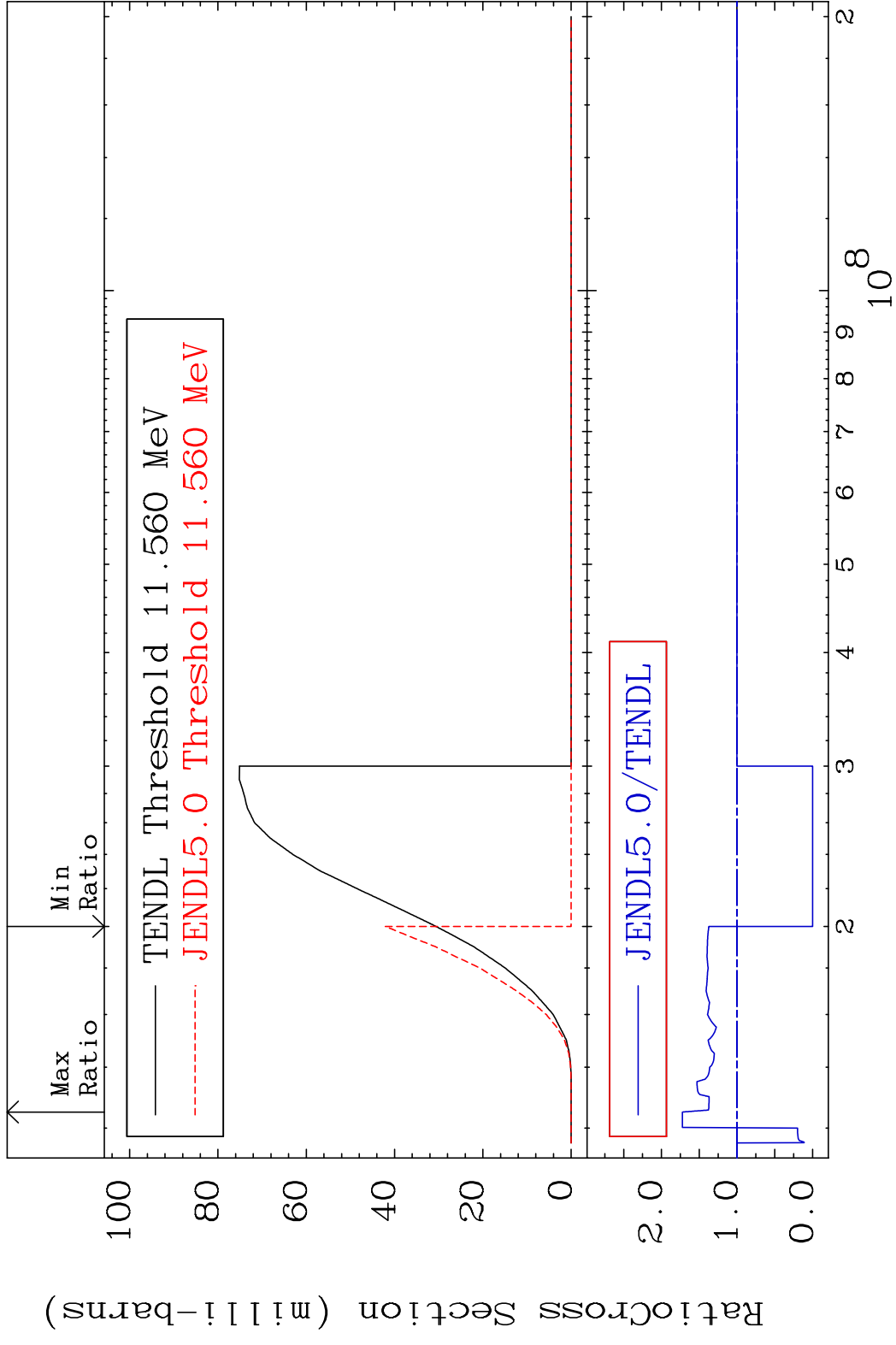
7 28-Ni-63



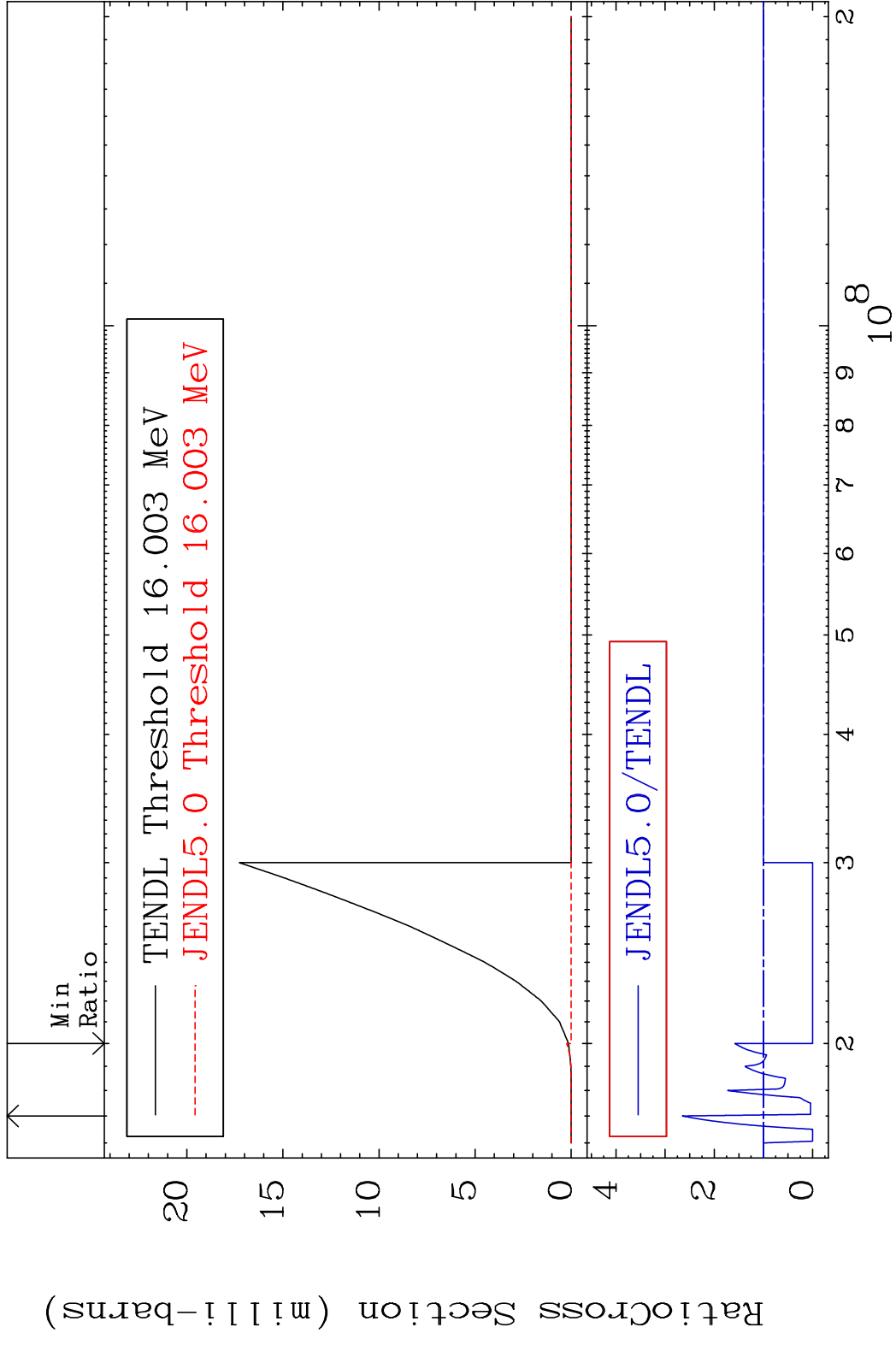
MAT 2840 (n,2n)  $\alpha$  28-Ni-63  
 Cross Section -100.0 To 137.0 %



MAT 2840 (n, n') p 28-Ni-63  
 Cross Section -100.0 To 72.33 %

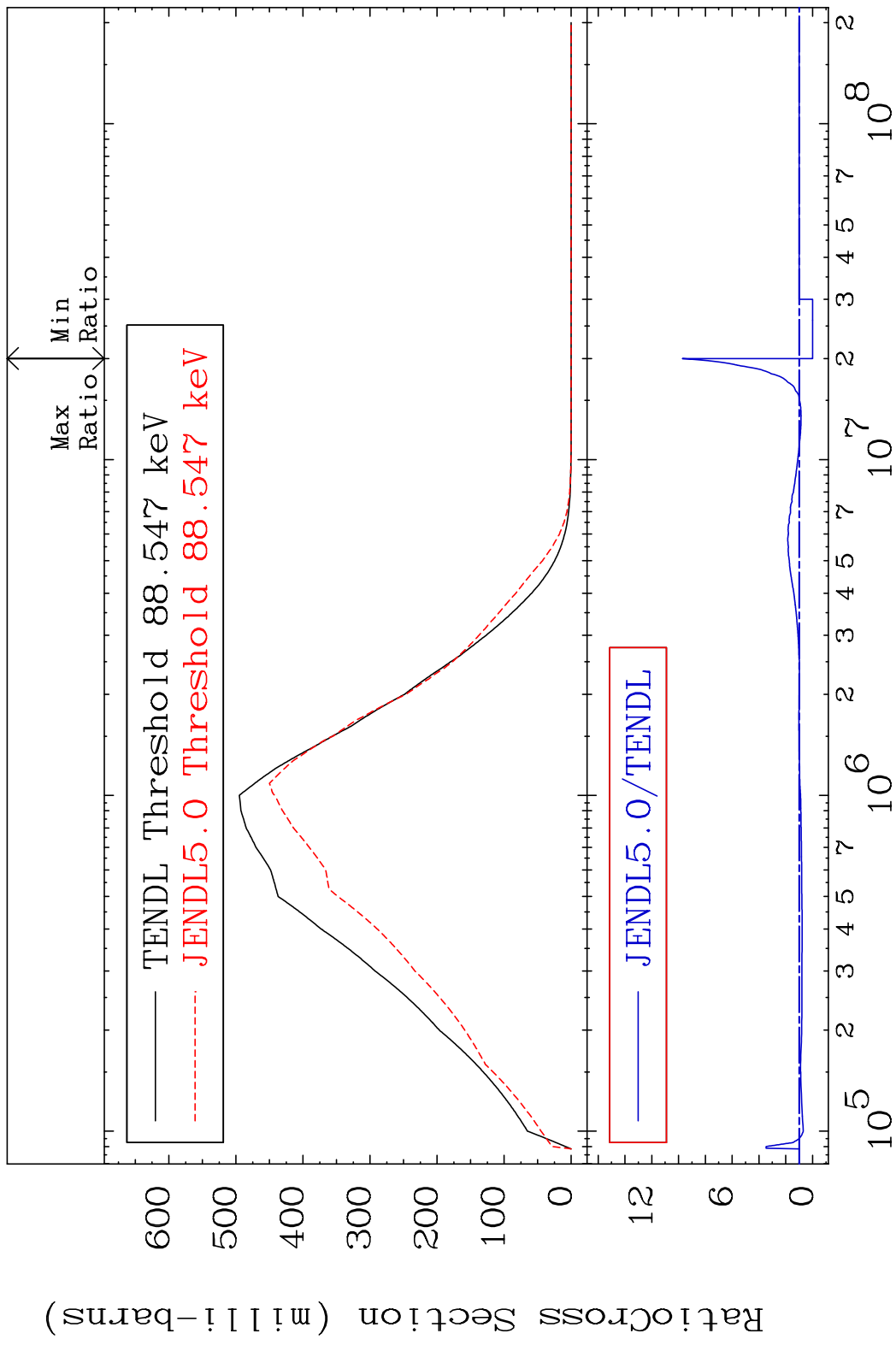


MAT 2840 (n, n') d 28-Ni-63  
 Cross Section -100.0 To 165.0 %

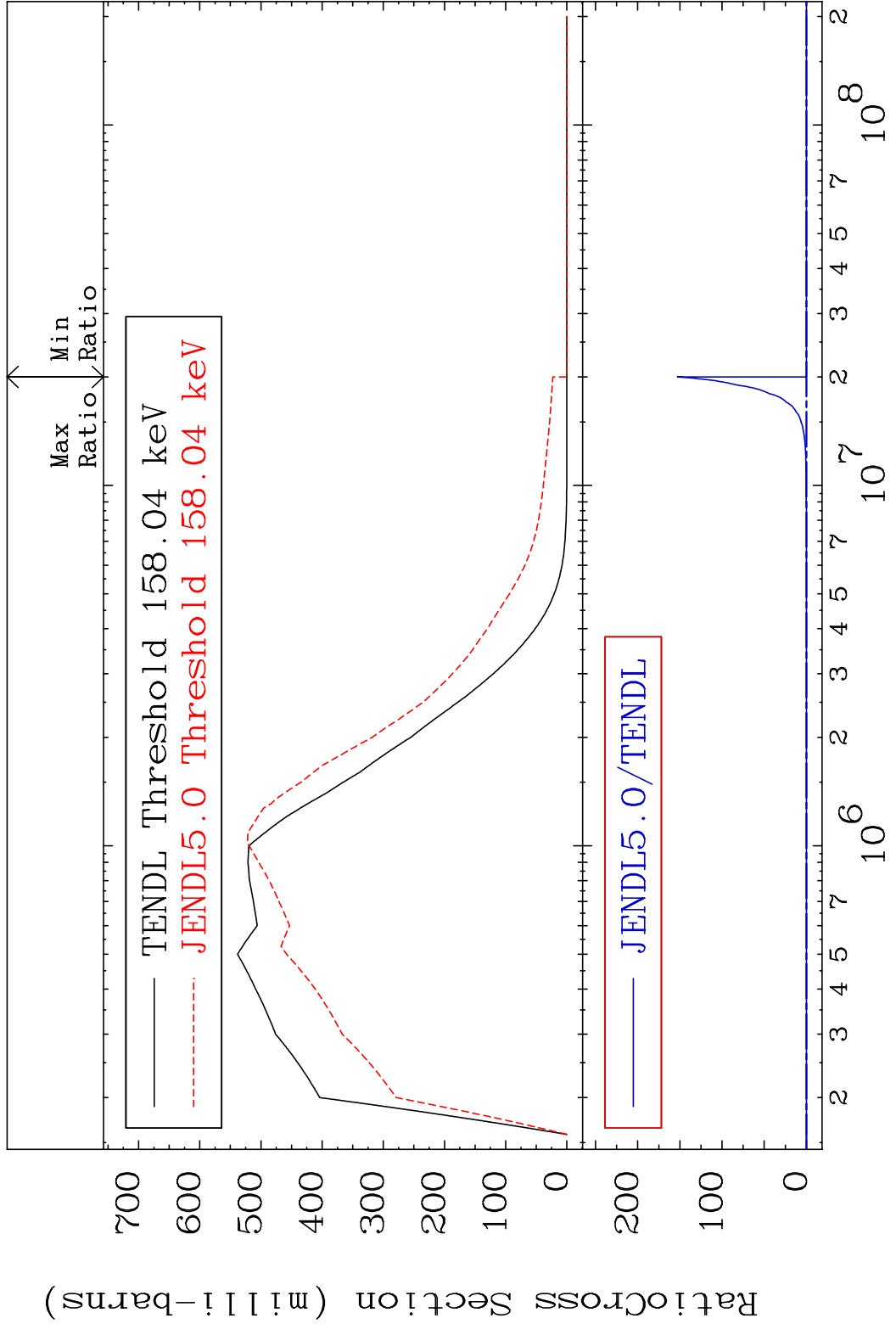


10 Incident Energy (eV) 28-Ni-63

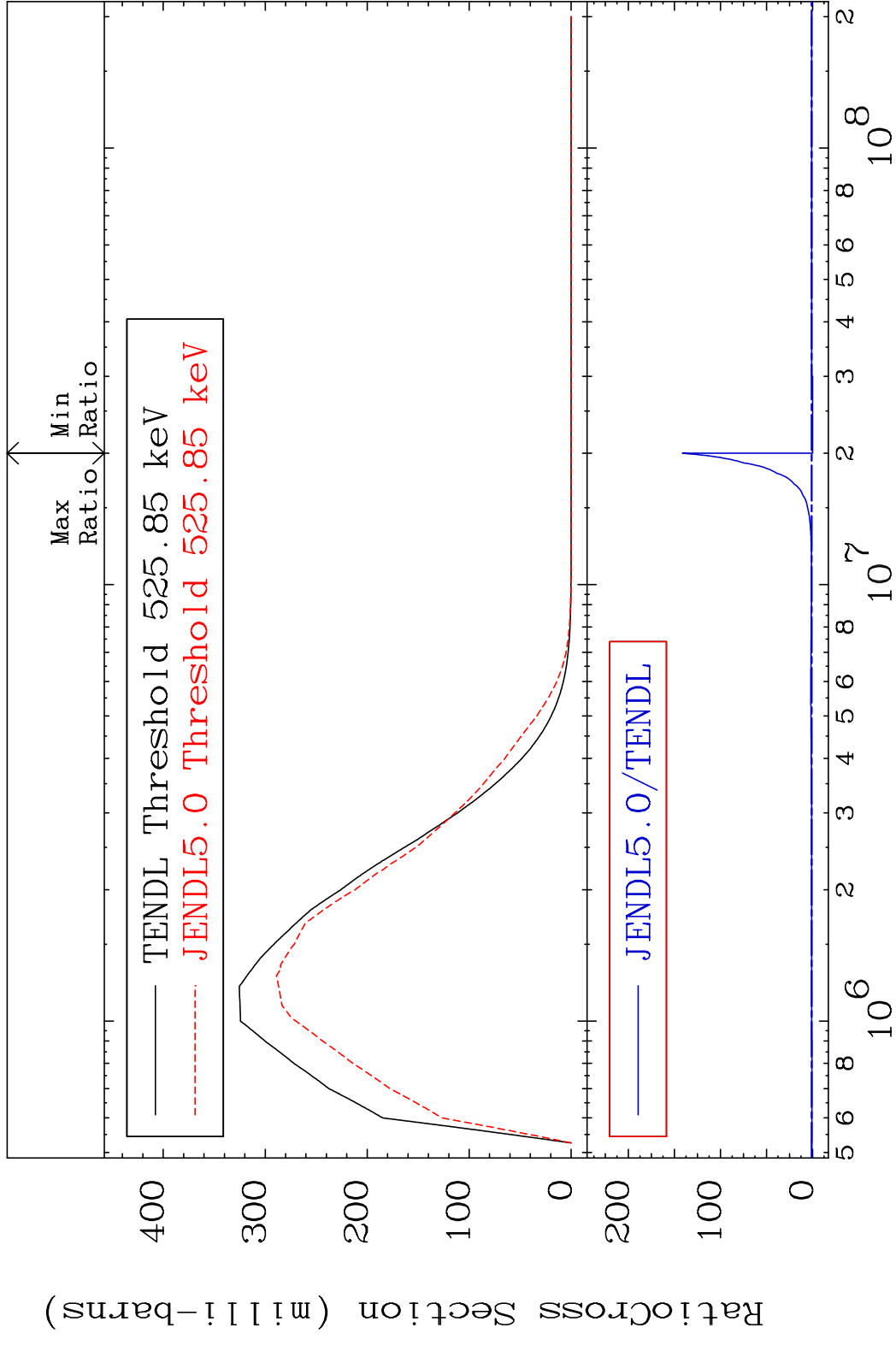
MAT 2840 MT= 51 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 871.6 %



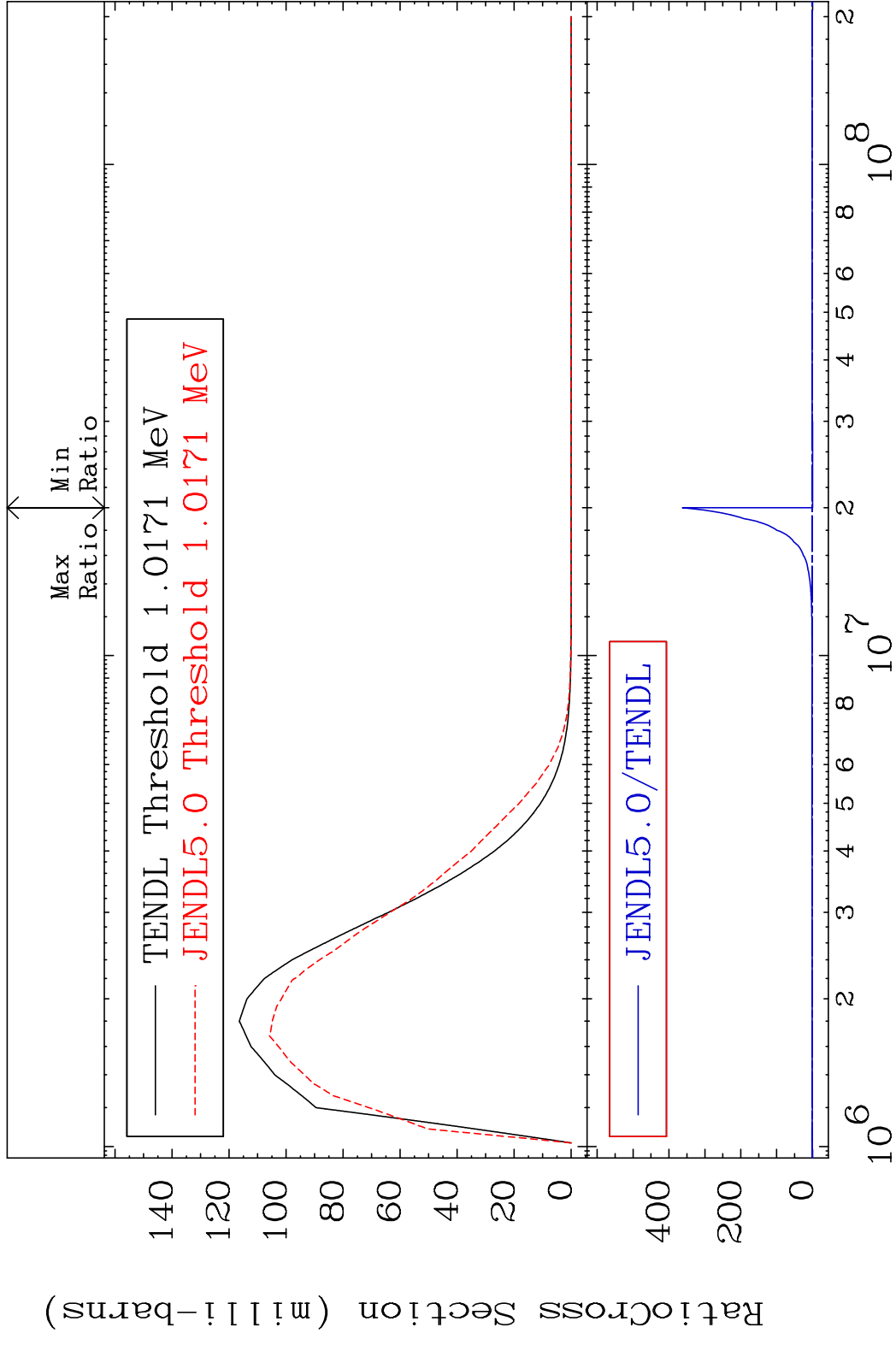
MAT 2840 MT= 52 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



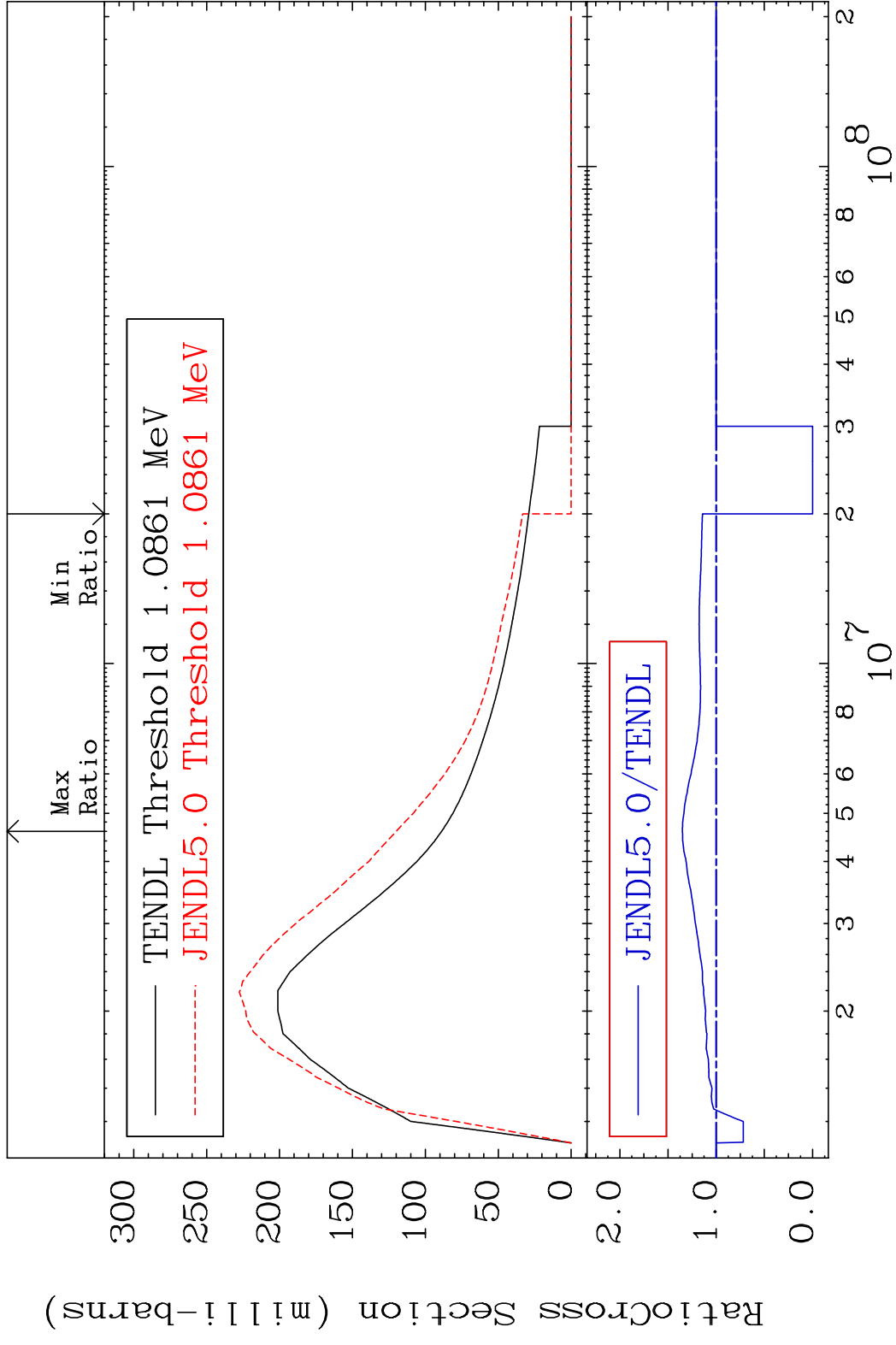
MAT 2840 MT= 53 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



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

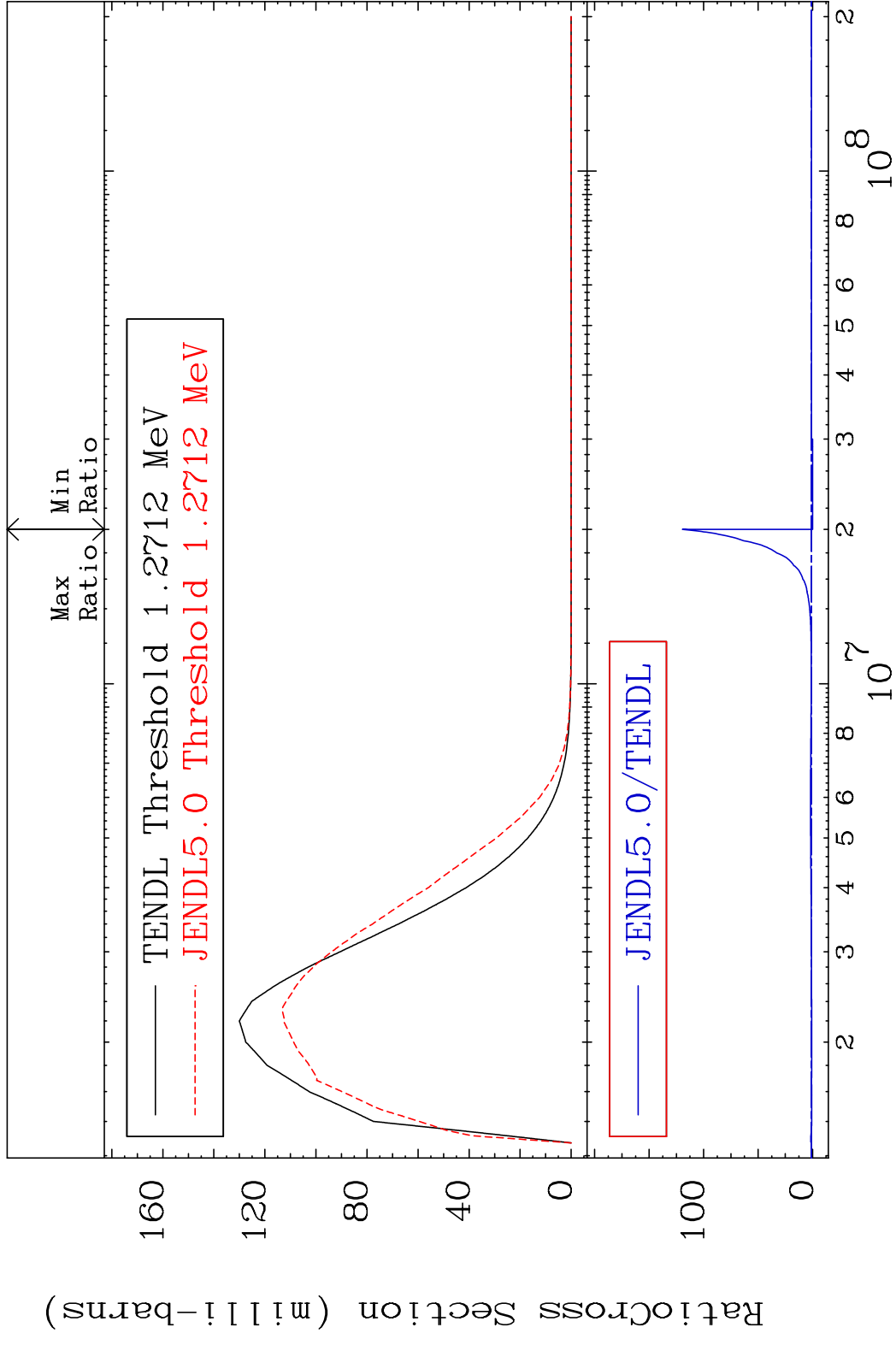


MAT 2840 MT= 55 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 35.11 %



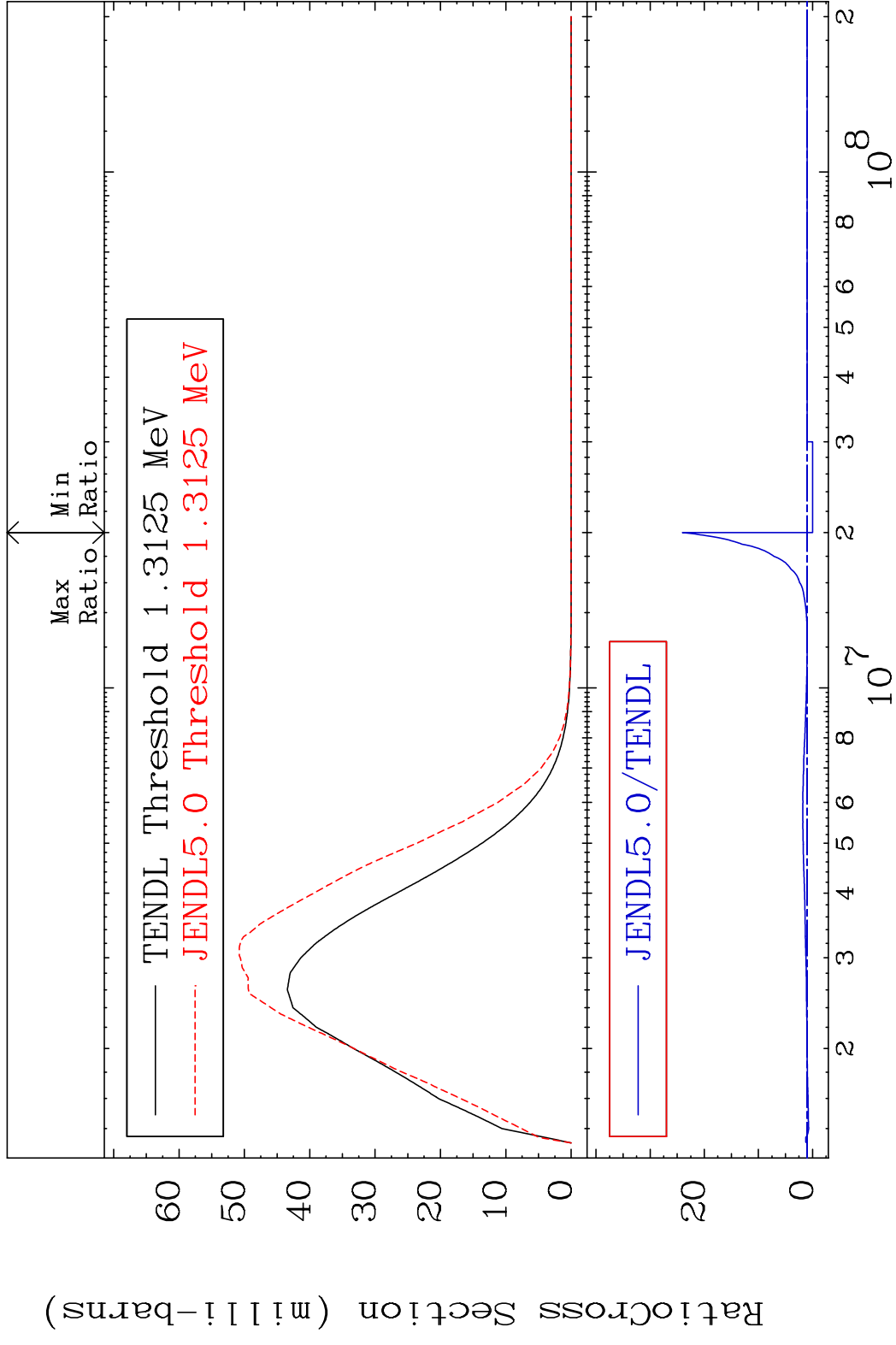


MAT 2840 MT= 56 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



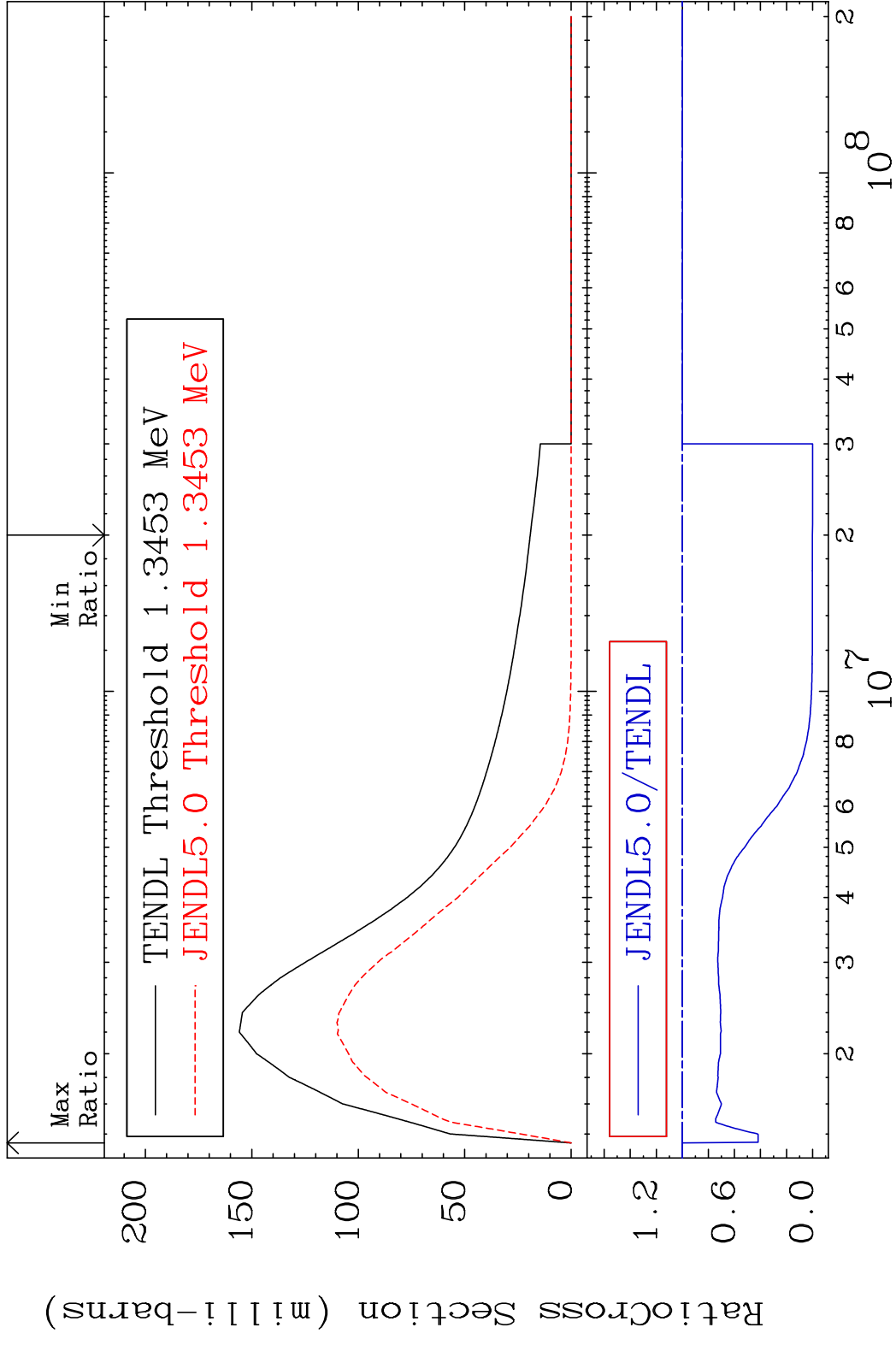
16 28-Ni-63

MAT 2840 MT= 57 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 2305. %

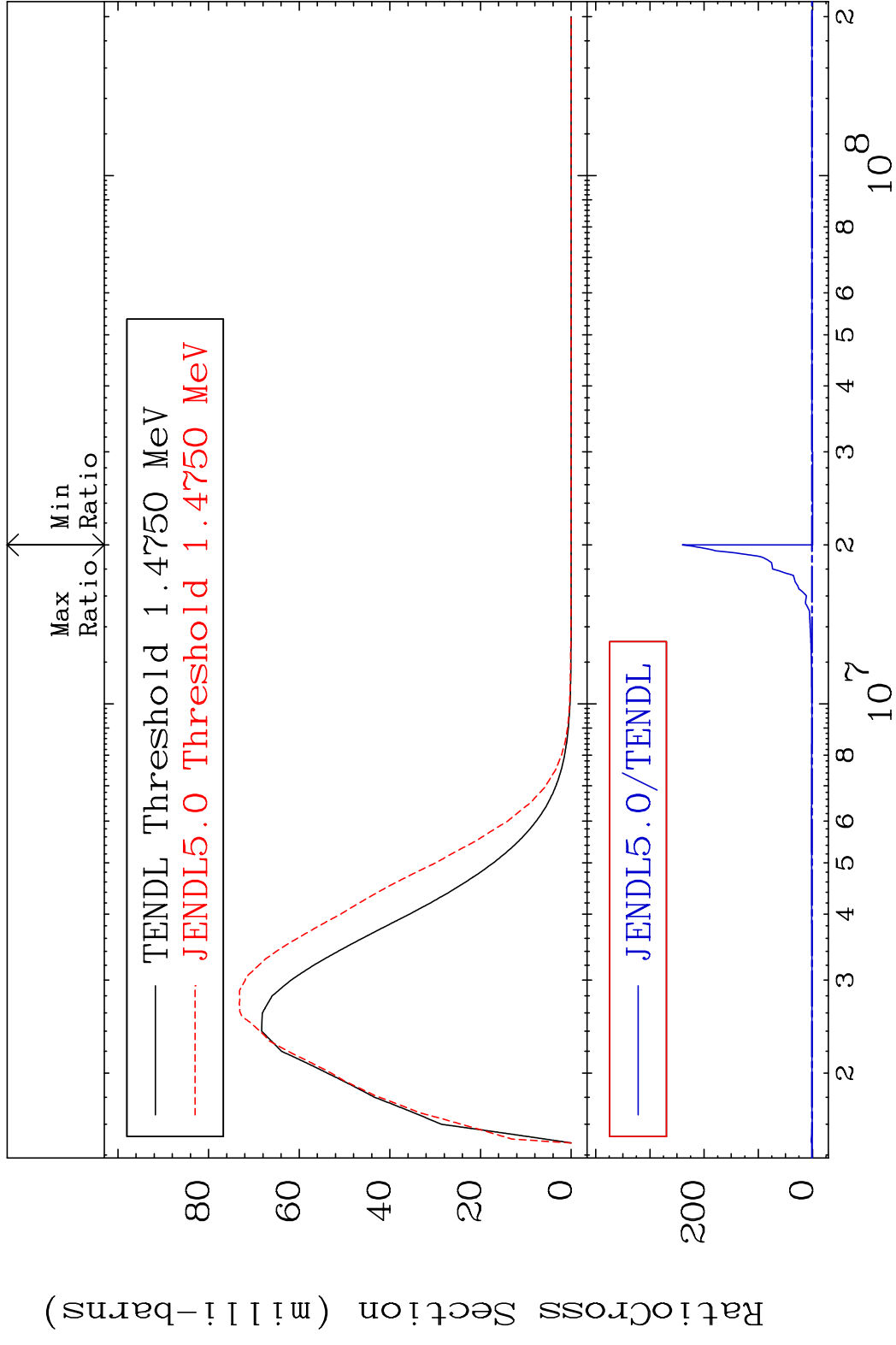


17 28-Ni-63

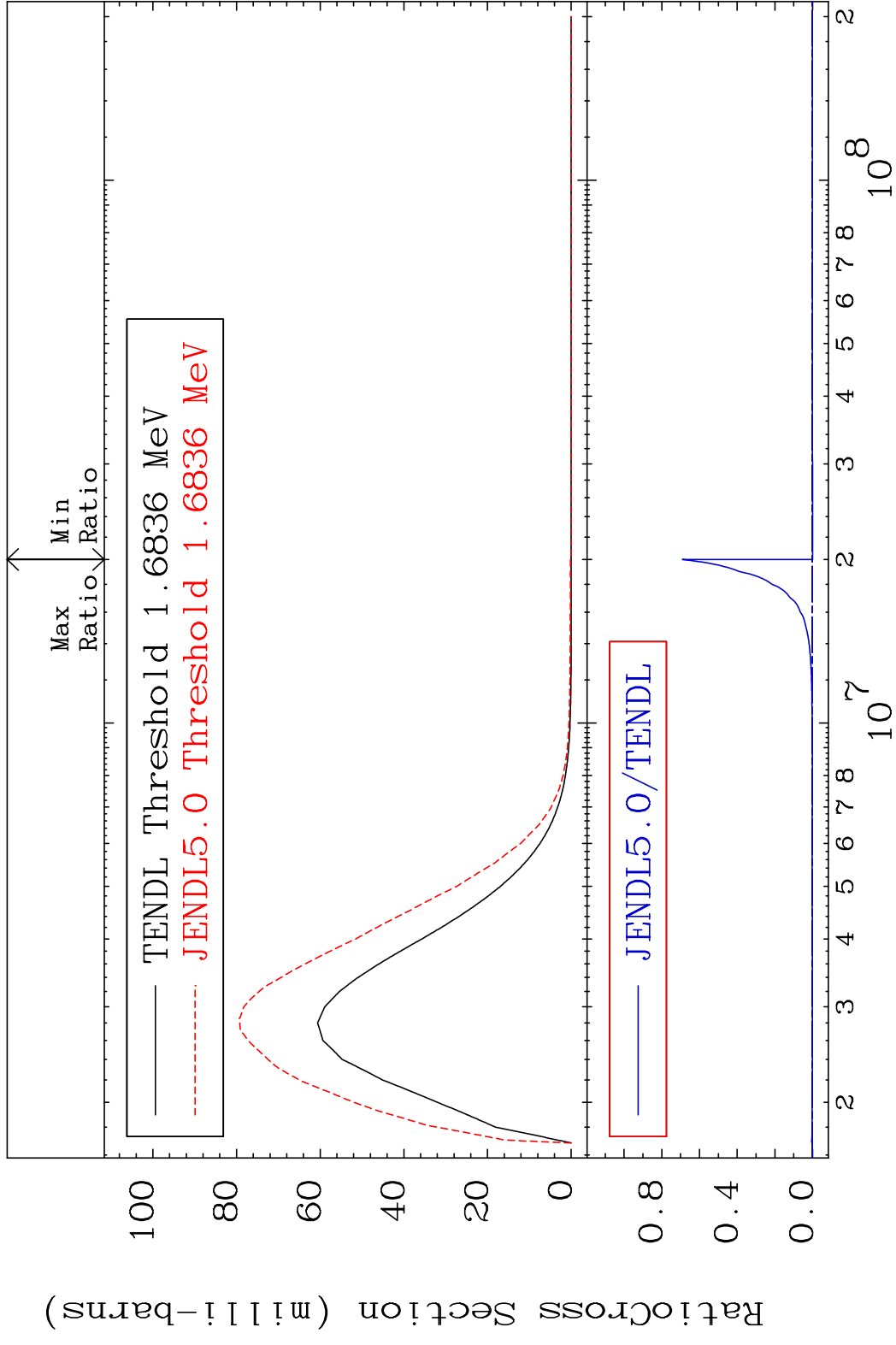
MAT 2840 MT= 58 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 0.000 %



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

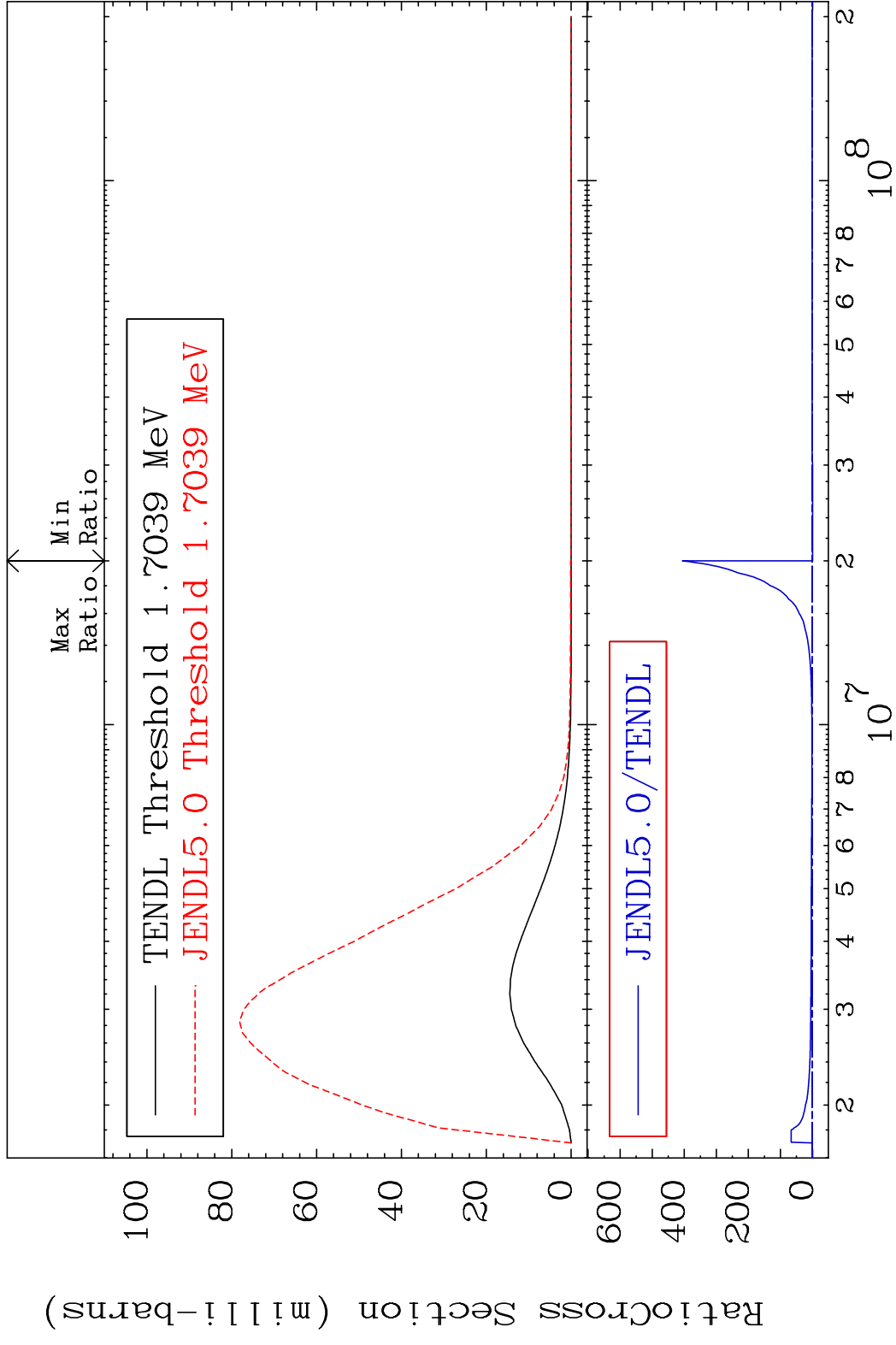


MAT 2840 MT= 60 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %

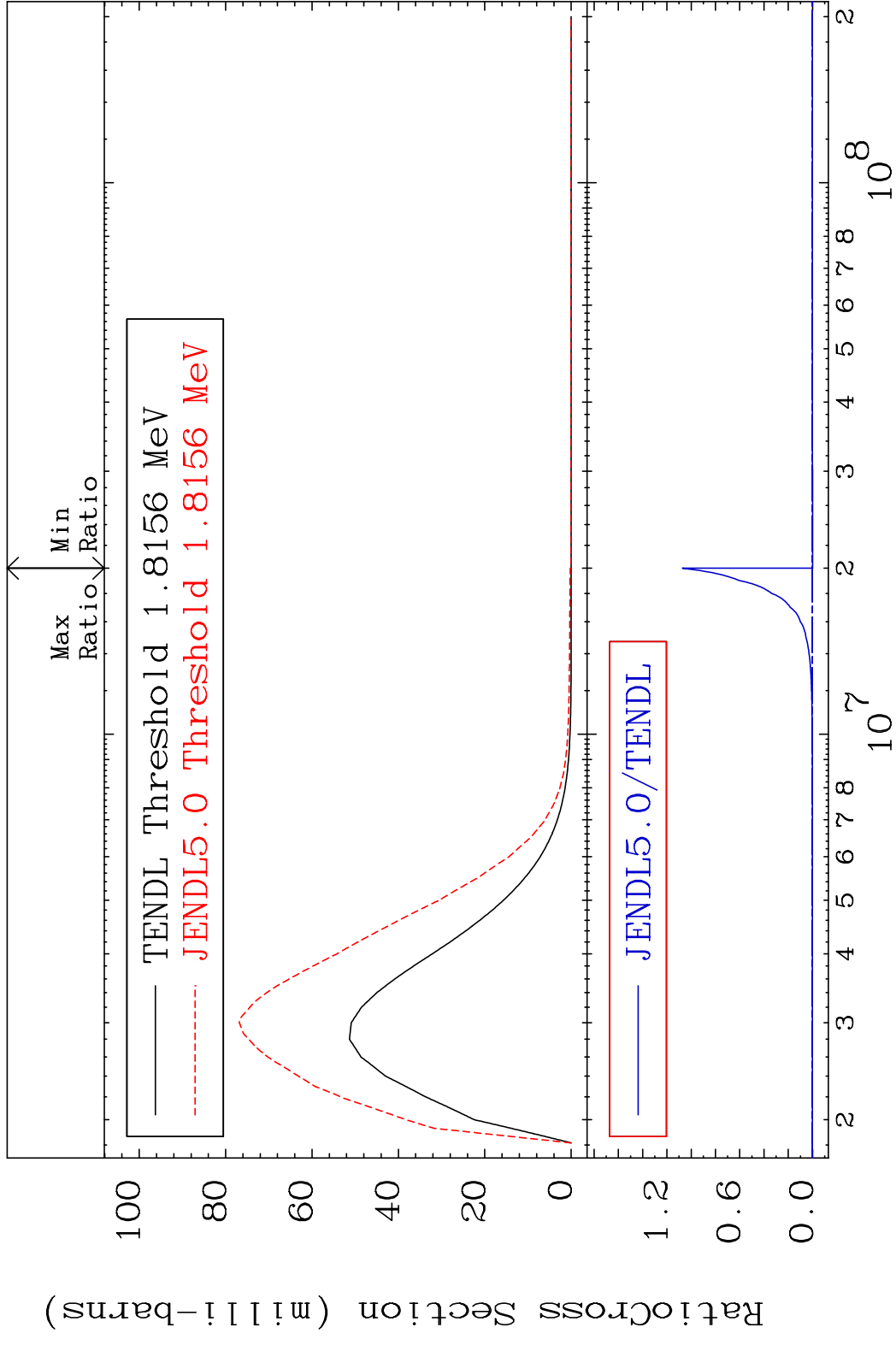


20 28-Ni-63

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

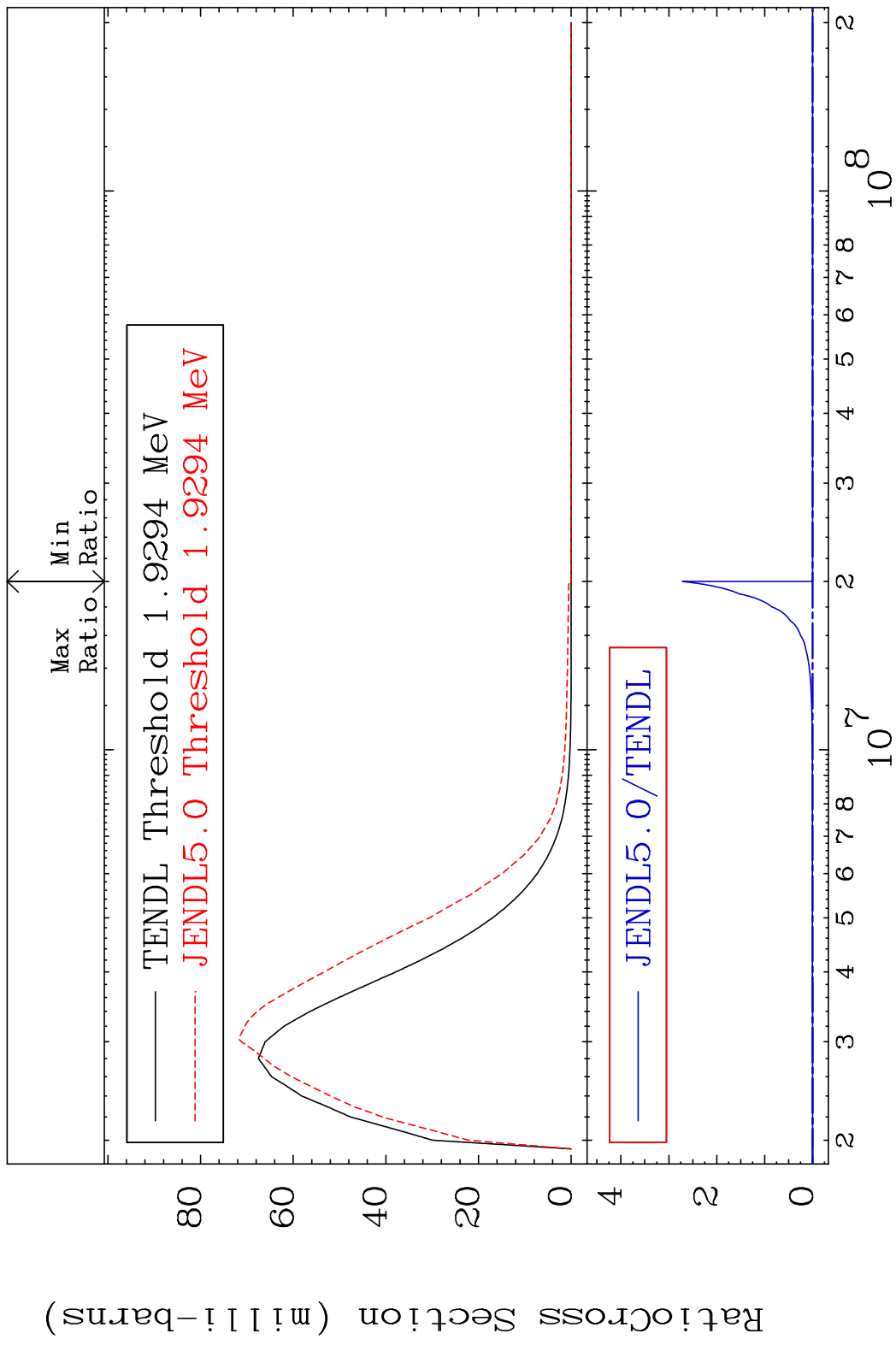


MAT 2840 MT= 62 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



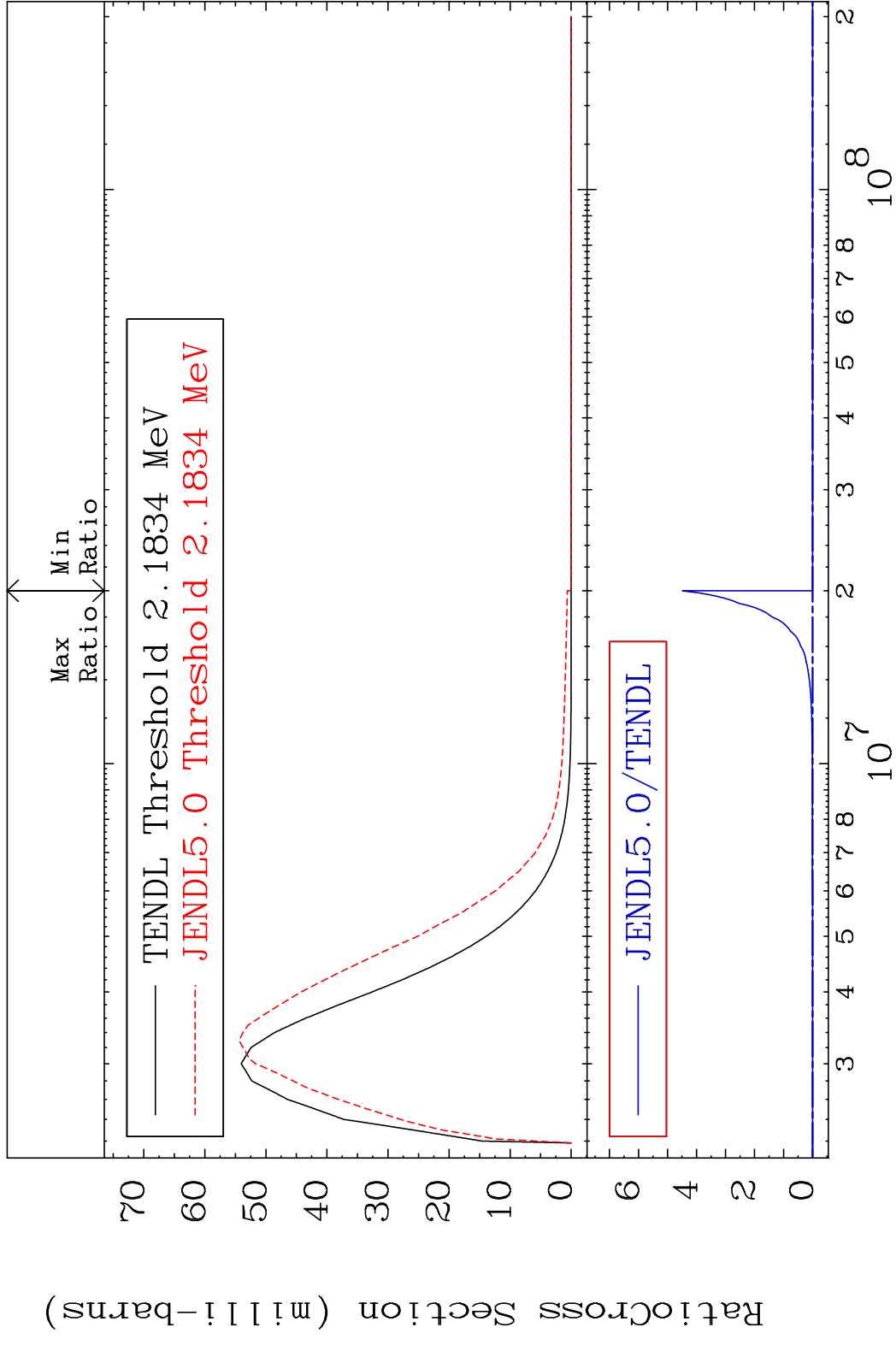
22 28-Ni-63

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

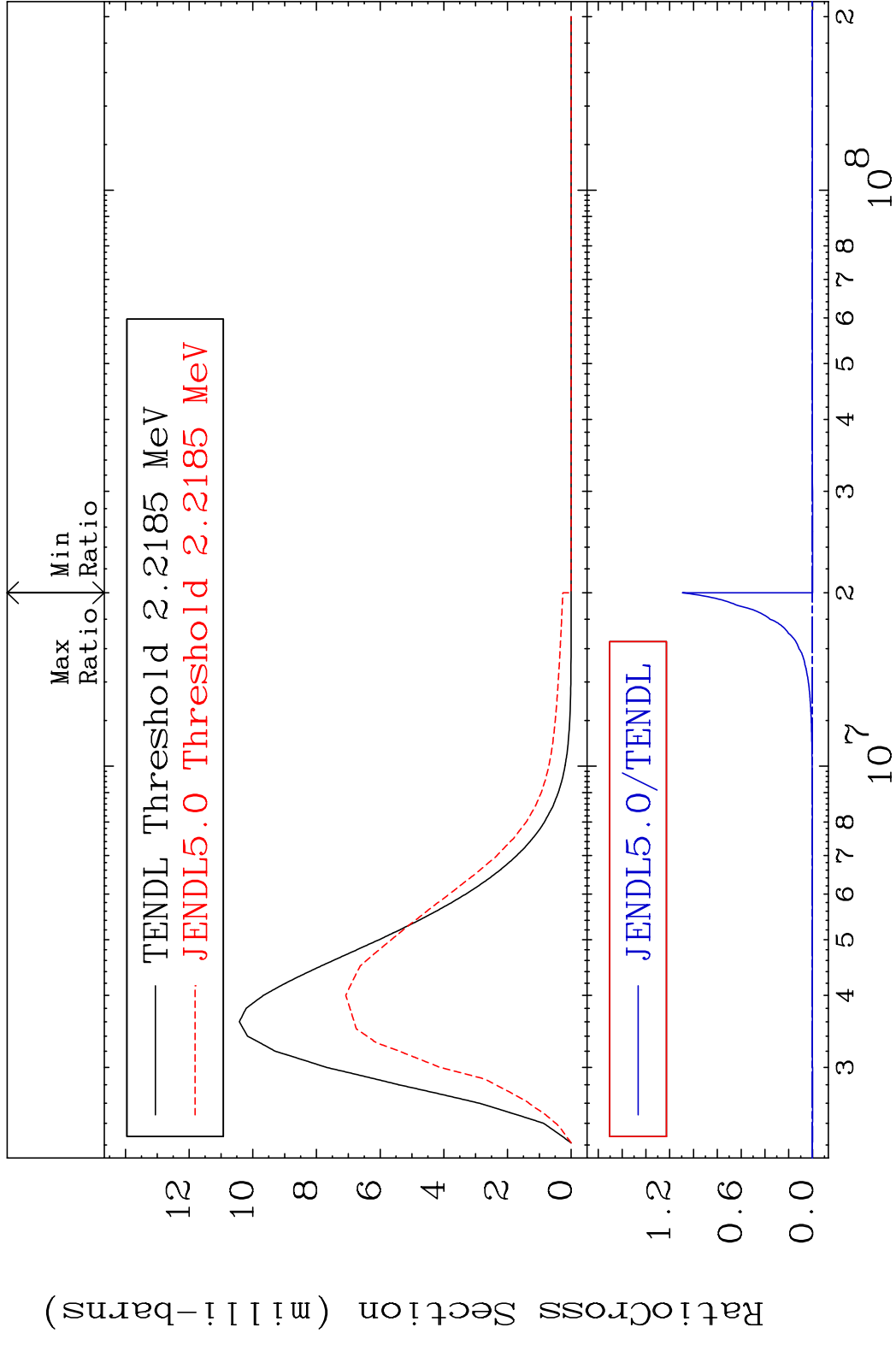




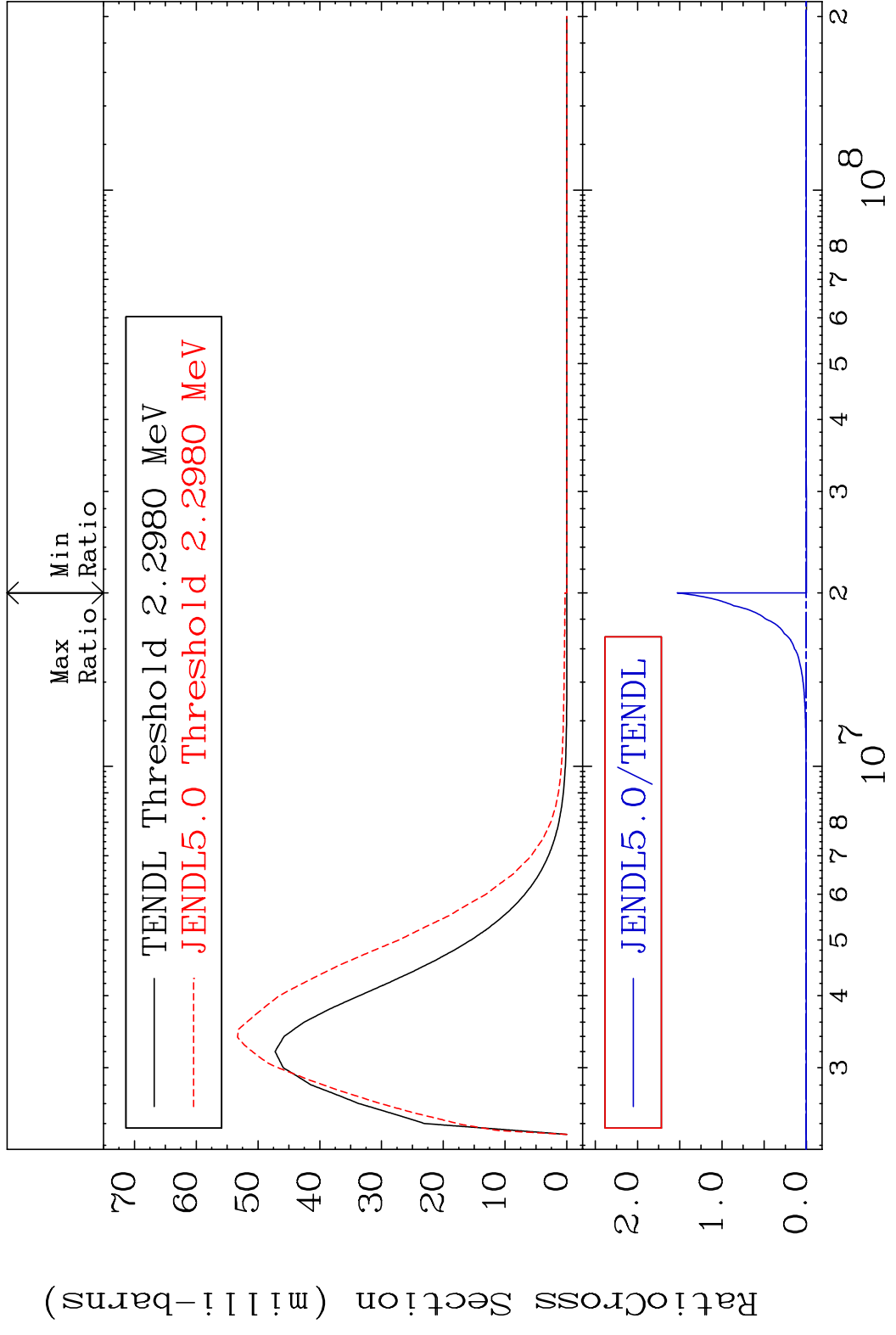
MAT 2840 MT= 64 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



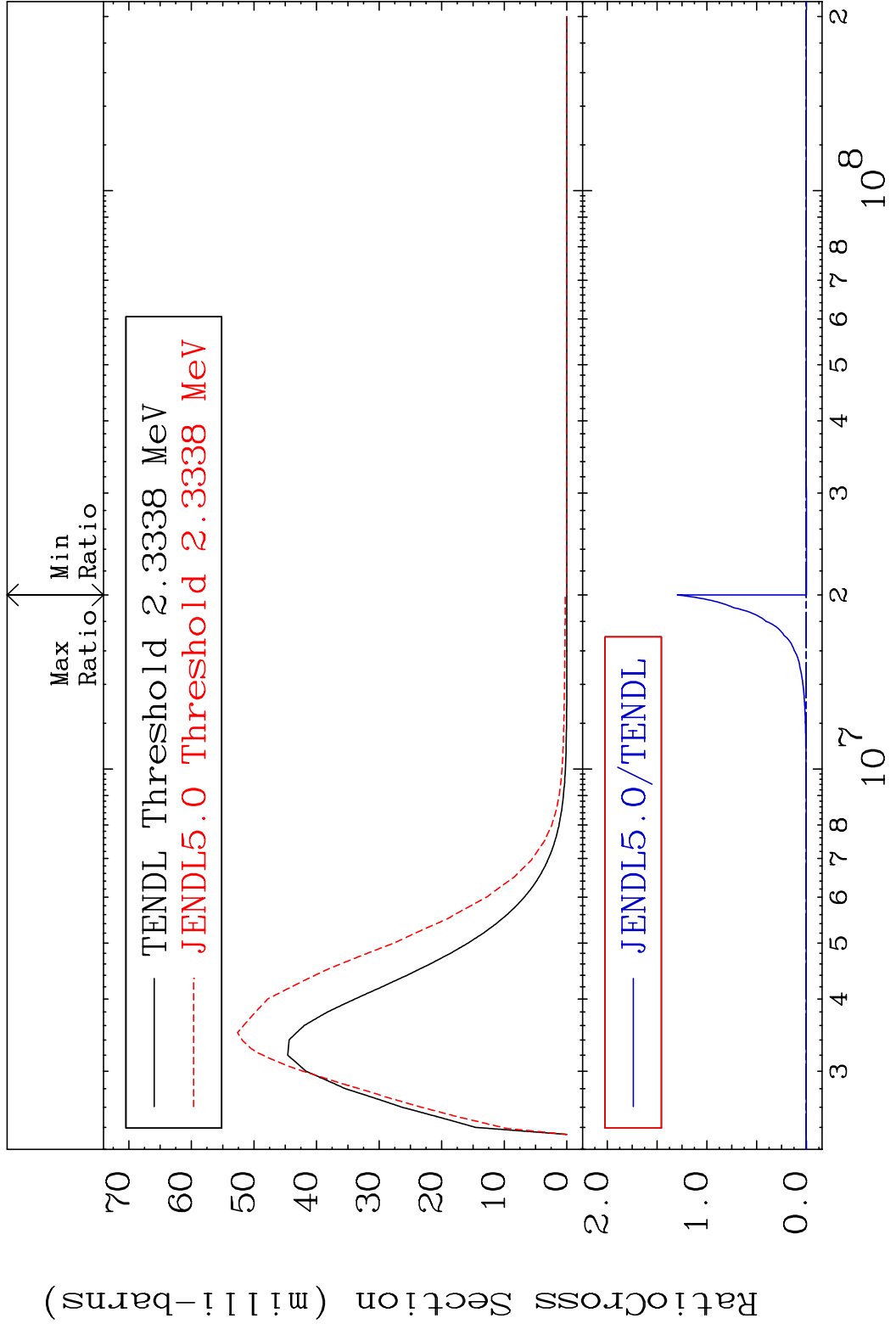
MAT 2840 MT= 65 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



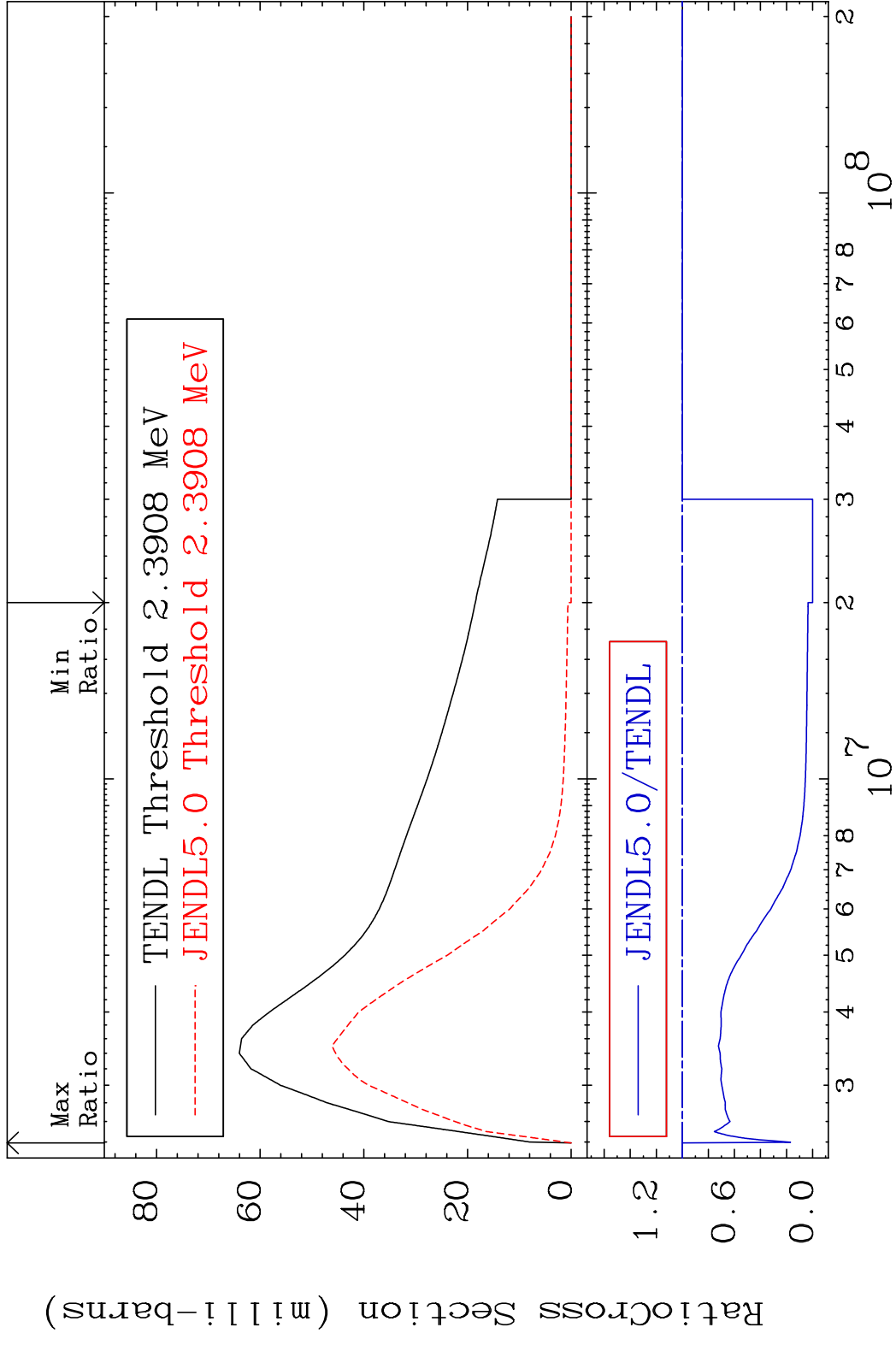
MAT 2840 MT= 66 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 9999. %



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

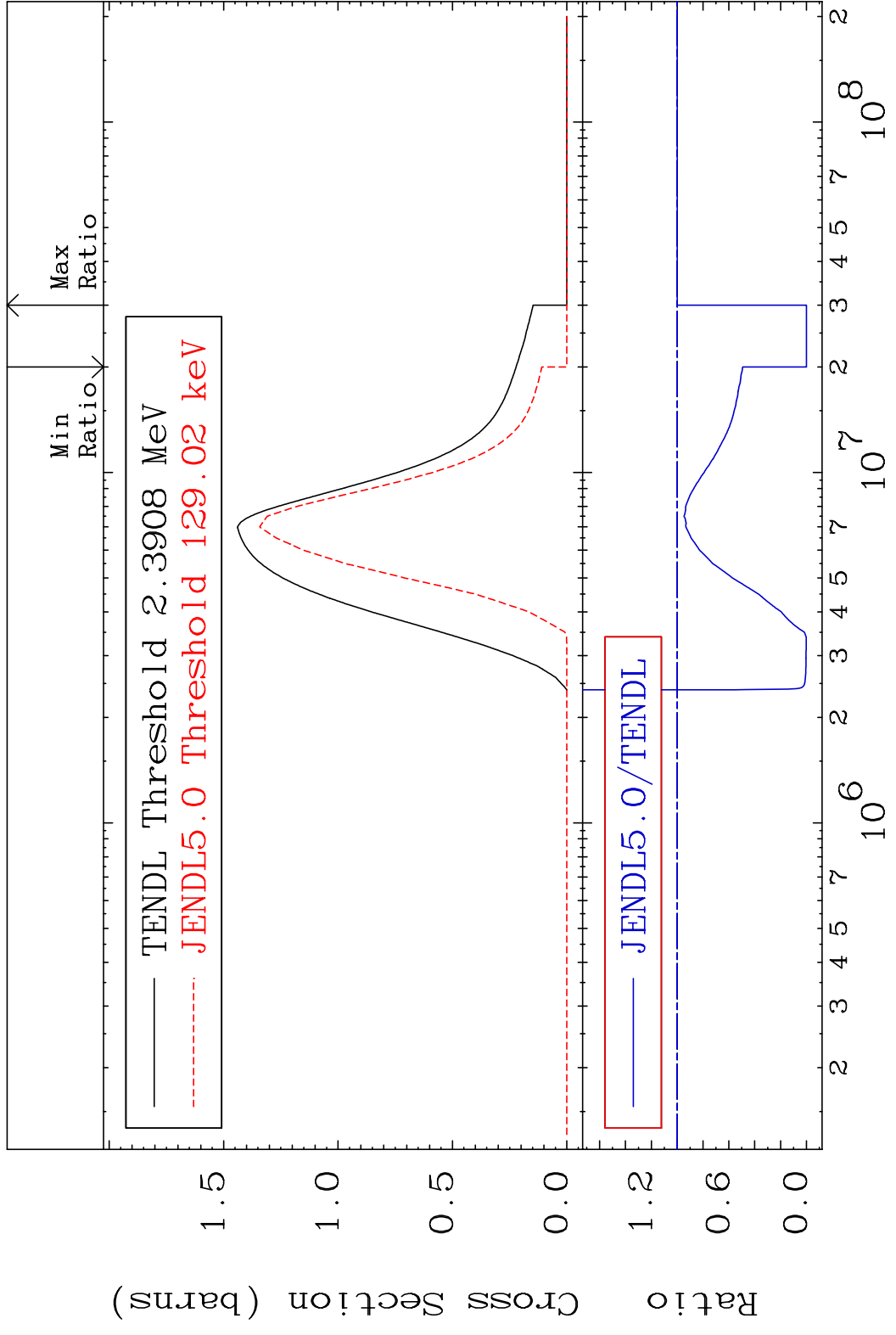


MAT 2840 MT= 68 (n, n') Level 28-Ni-63  
 Cross Section -100.0 To 0.000 %



28 28-Ni-63

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

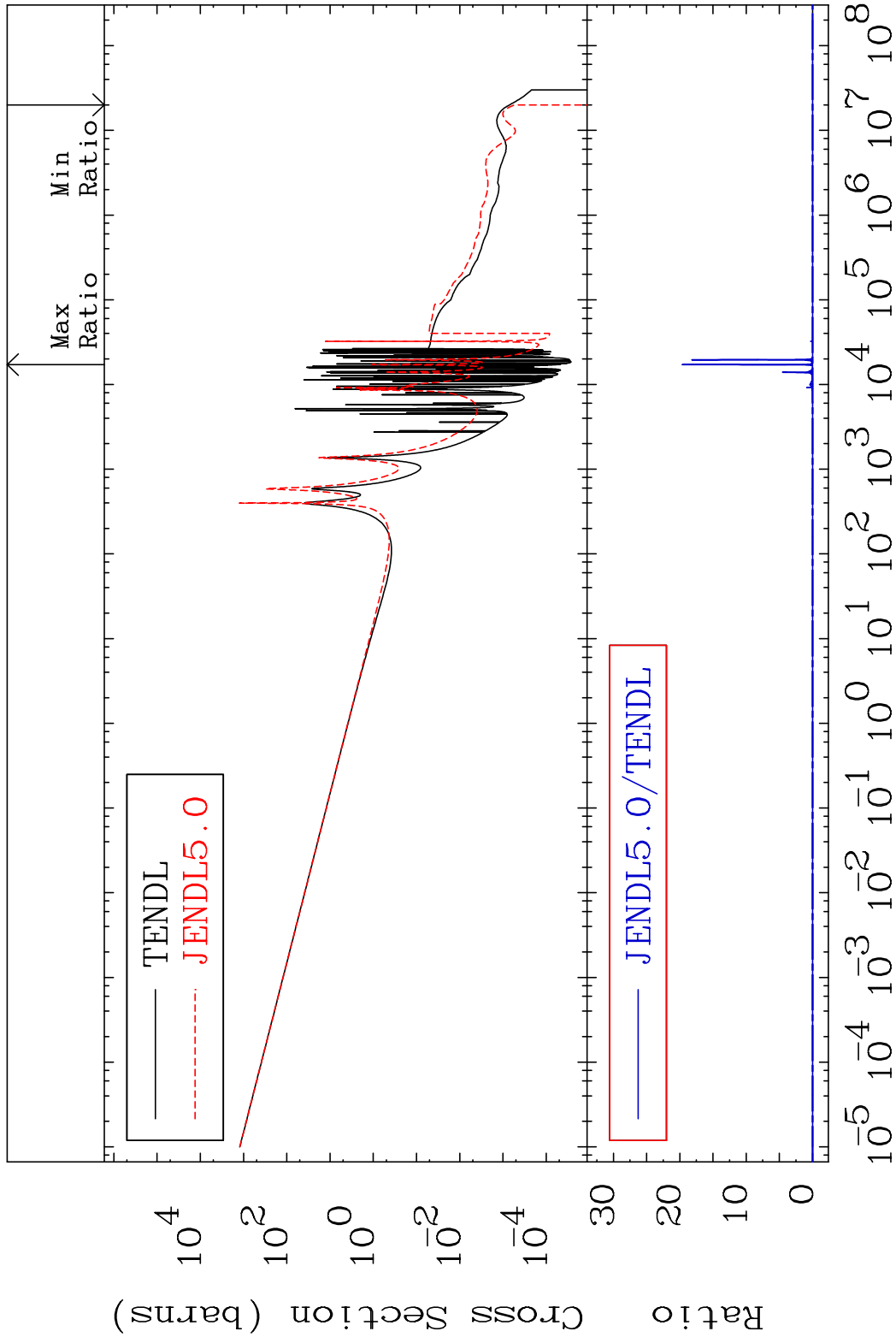


MAT 2840

(n,  $\gamma$ )

28-Ni-63

Cross Section -100.0 To 9999. %

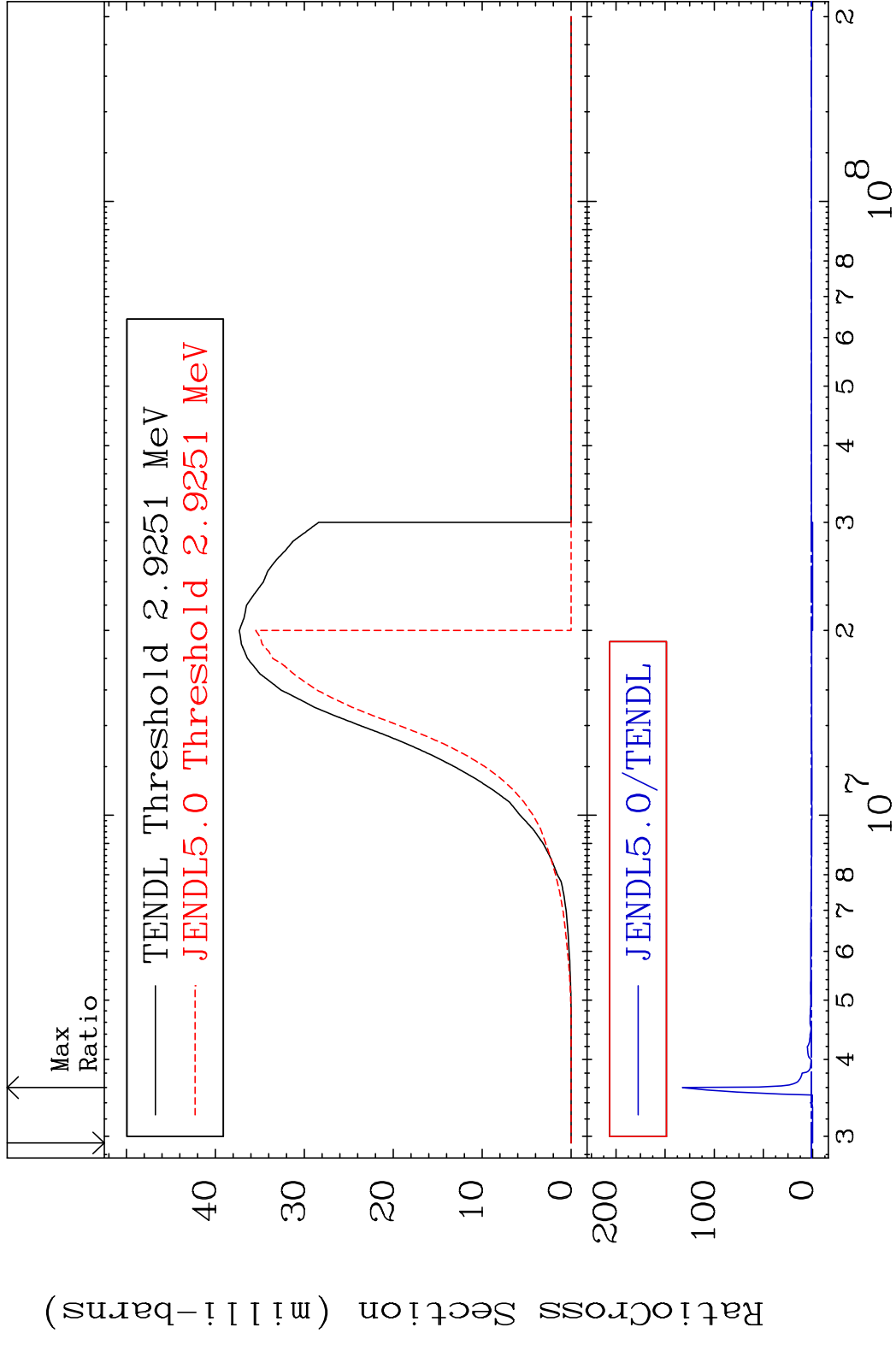


30

Incident Energy (eV)

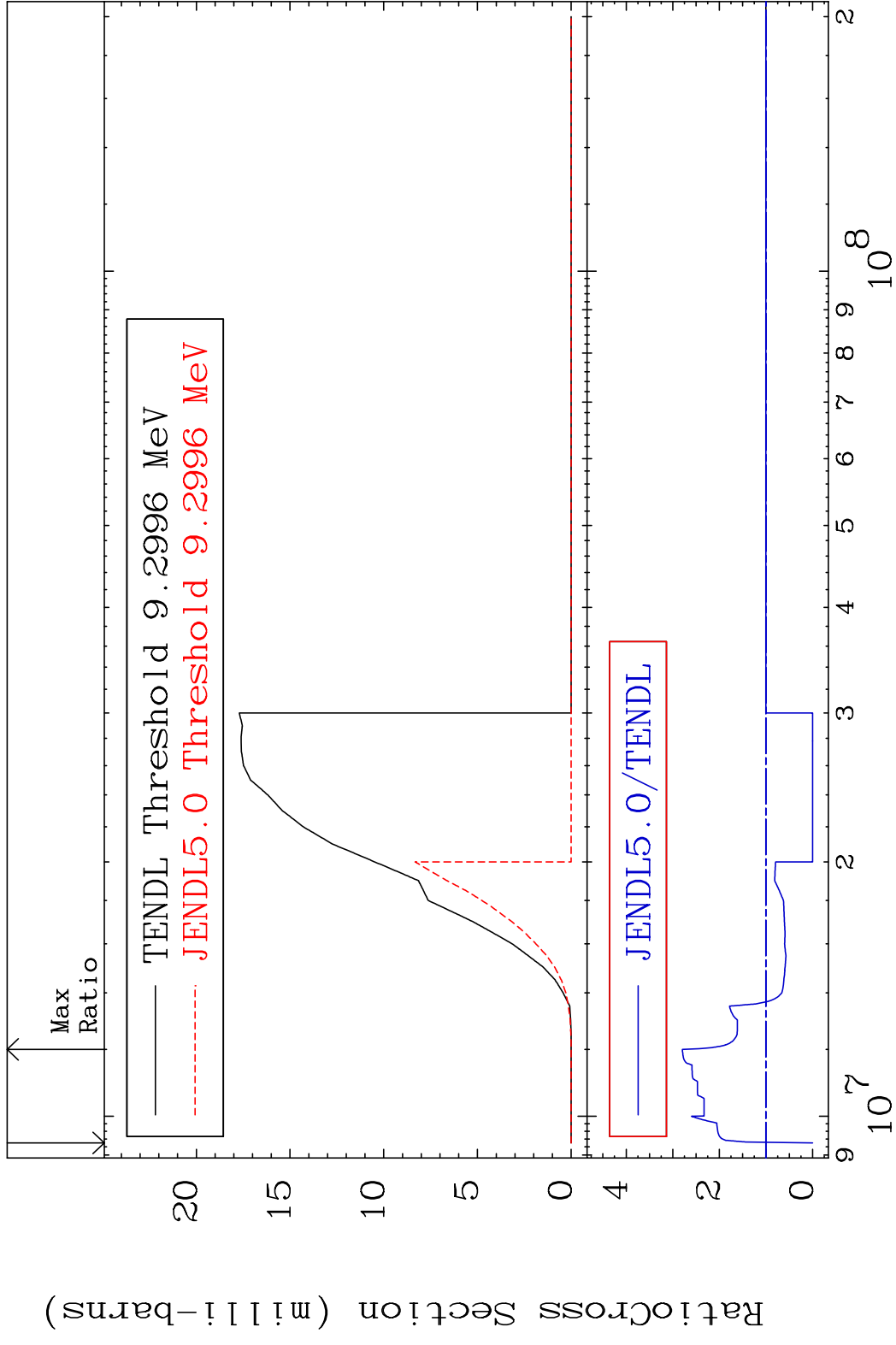
28-Ni-63

MAT 2840 (n,p) 28-Ni-63  
 Cross Section -100.0 To 9999. %



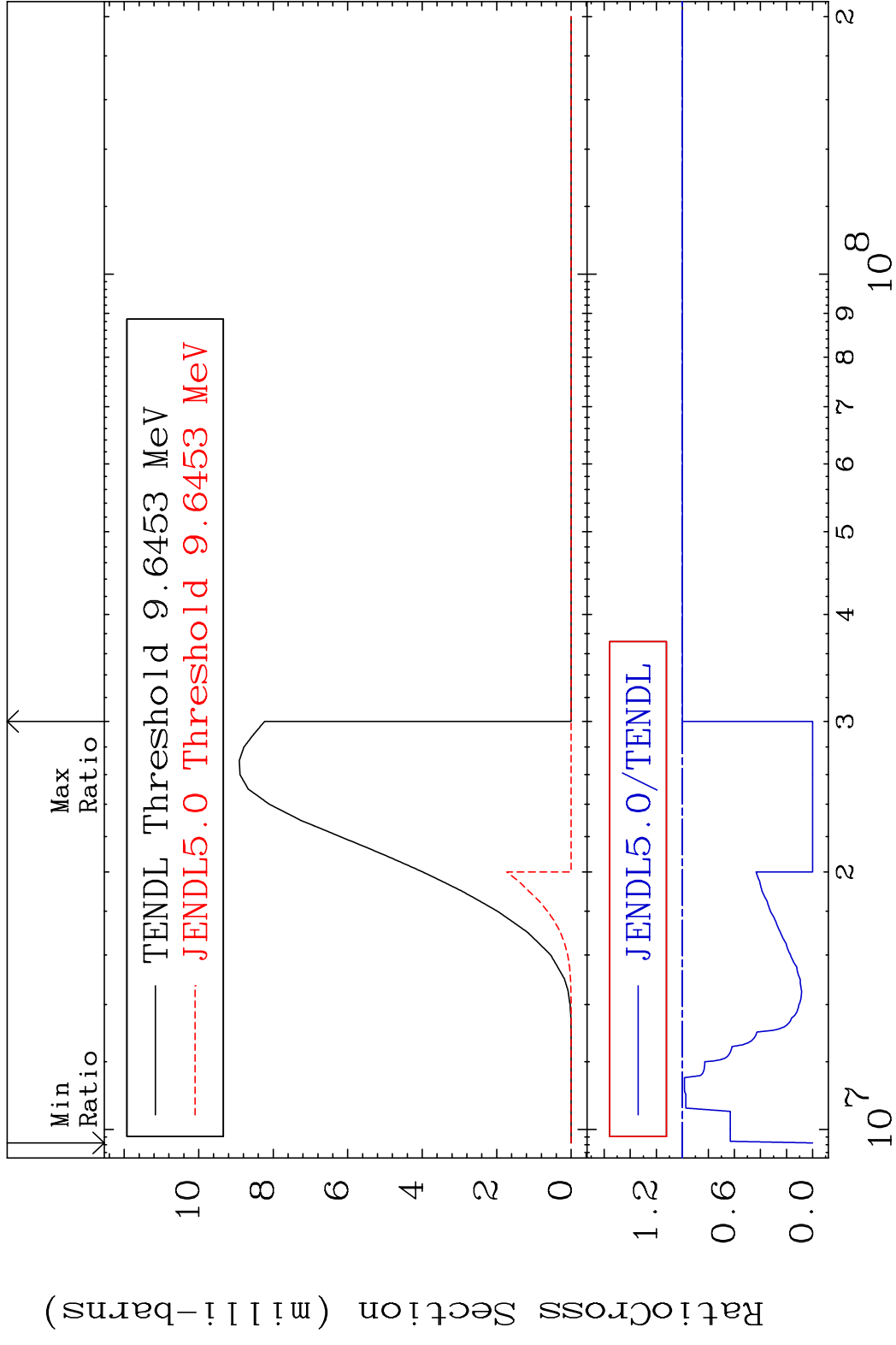


MAT 2840 (n,d) 28-Ni-63  
 Cross Section -100.0 To 179.4 %

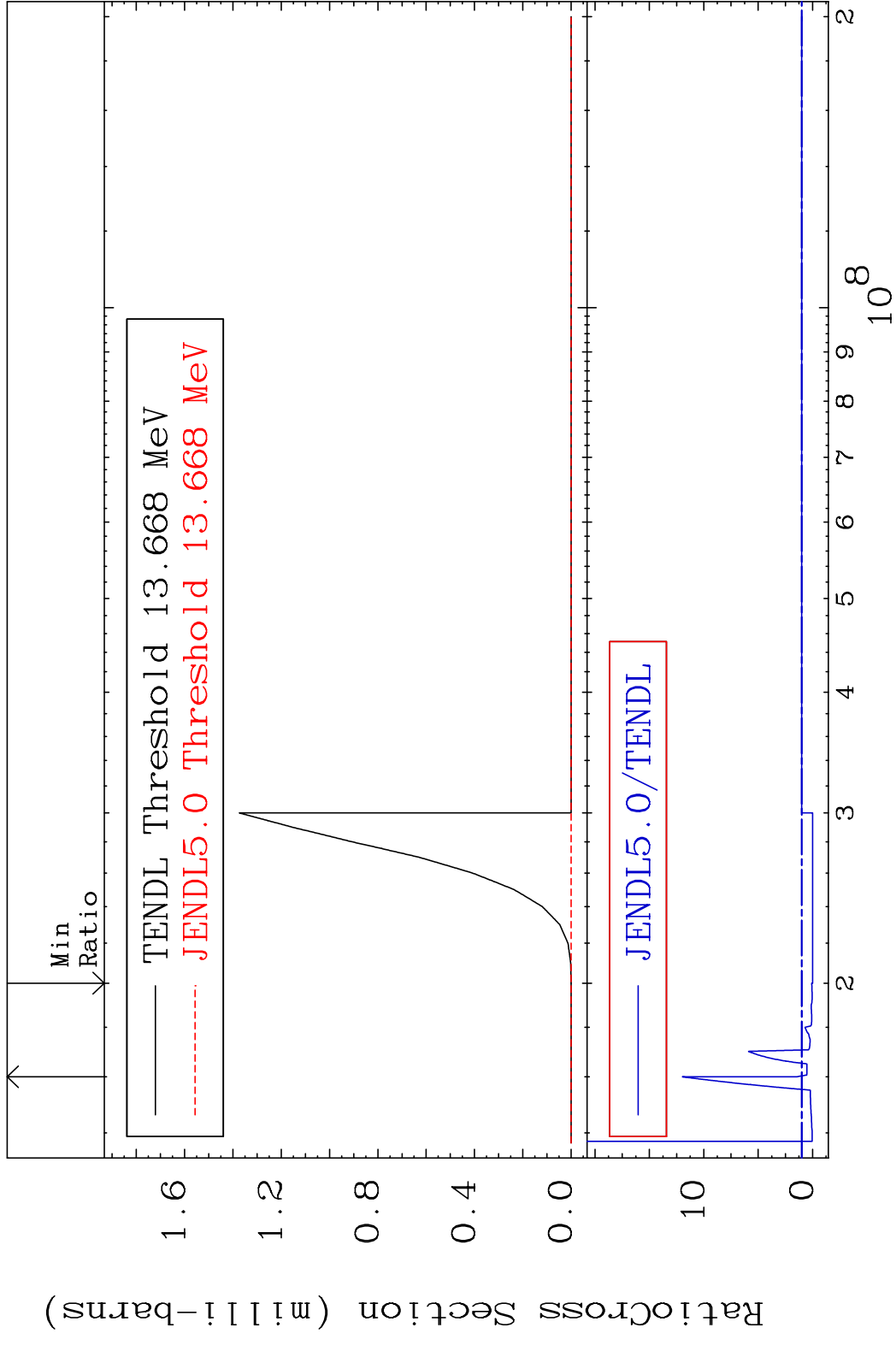


32 28-Ni-63

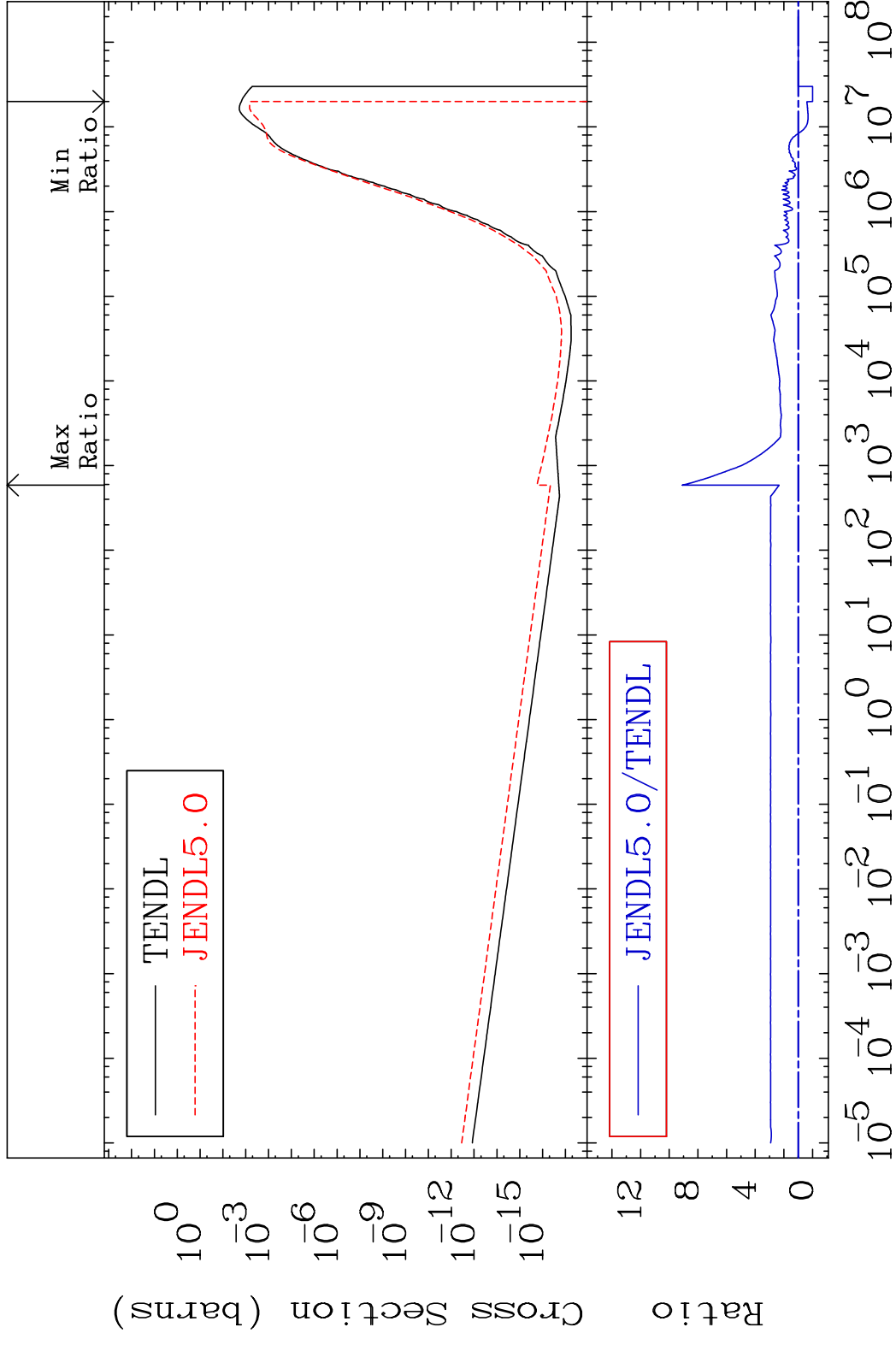
MAT 2840 (n, t) 28-Ni-63  
 Cross Section -100.0 To 0.000 %



MAT 2840 (n, He-3) 28-Ni-63  
 Cross Section -100.0 To 1097. %

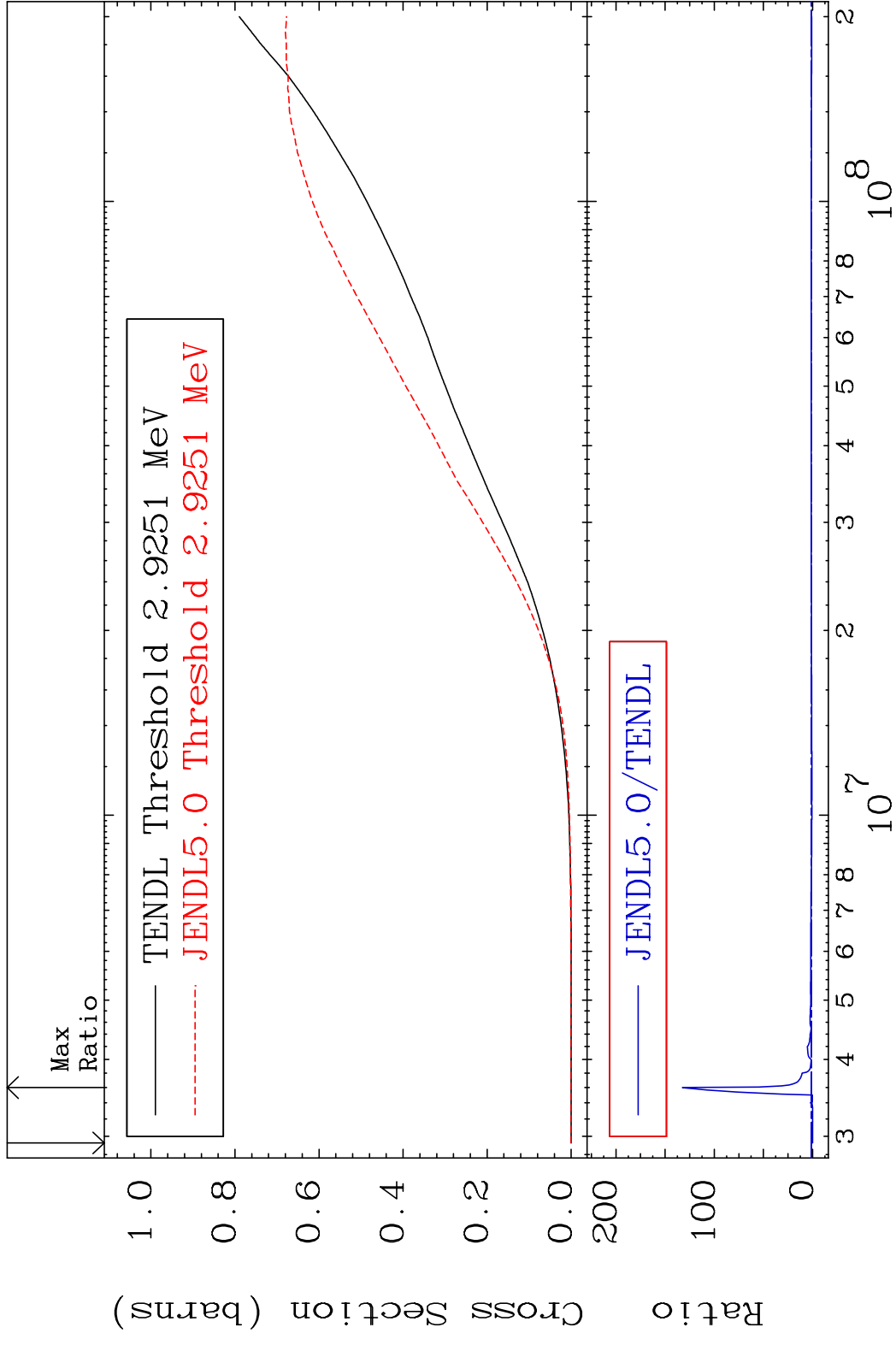


MAT 2840  $(n, \alpha)$  28-Ni-63  
 Cross Section -100.0 To 808.5 %

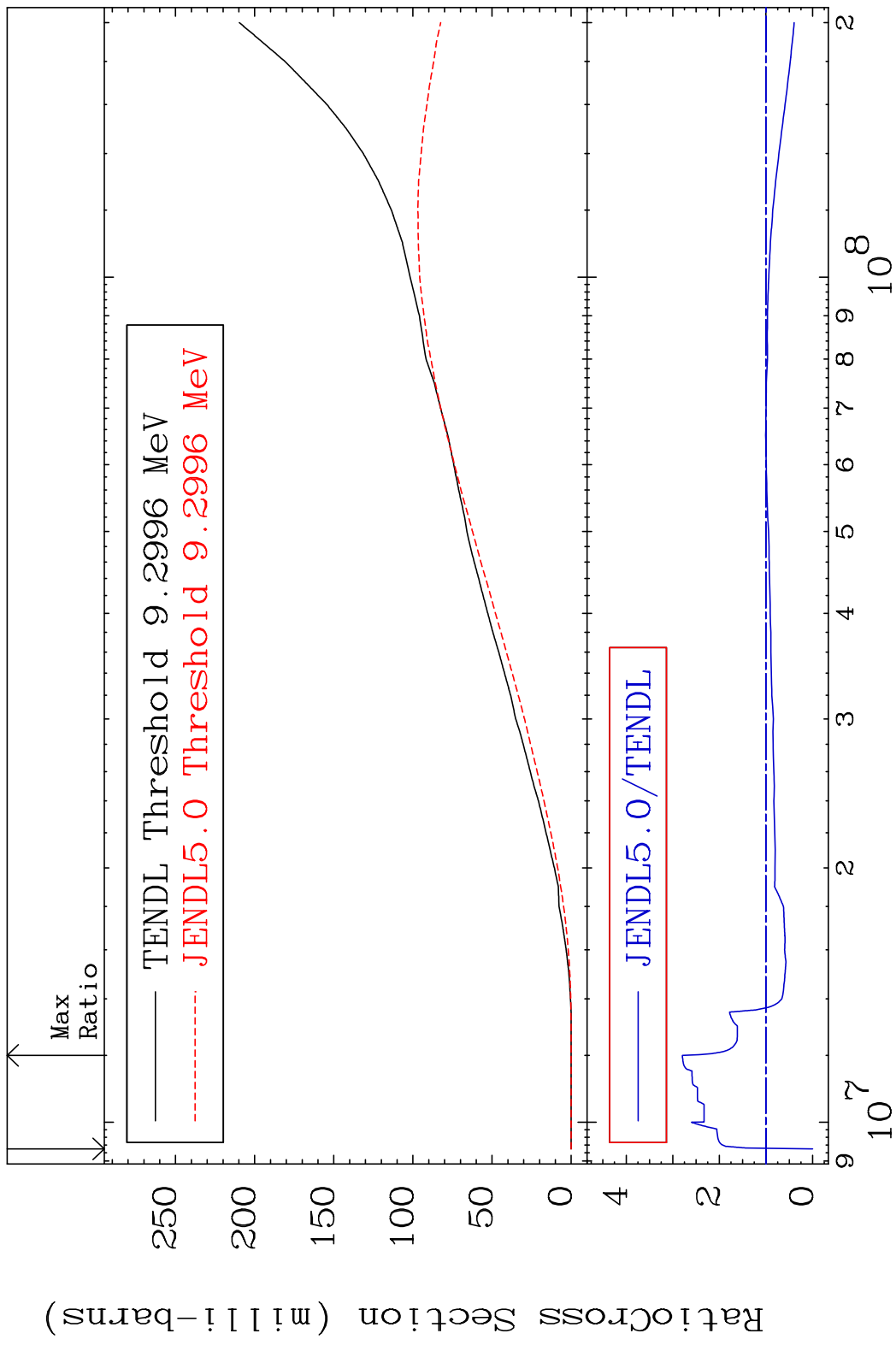


35 Incident Energy (eV) 28-Ni-63

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

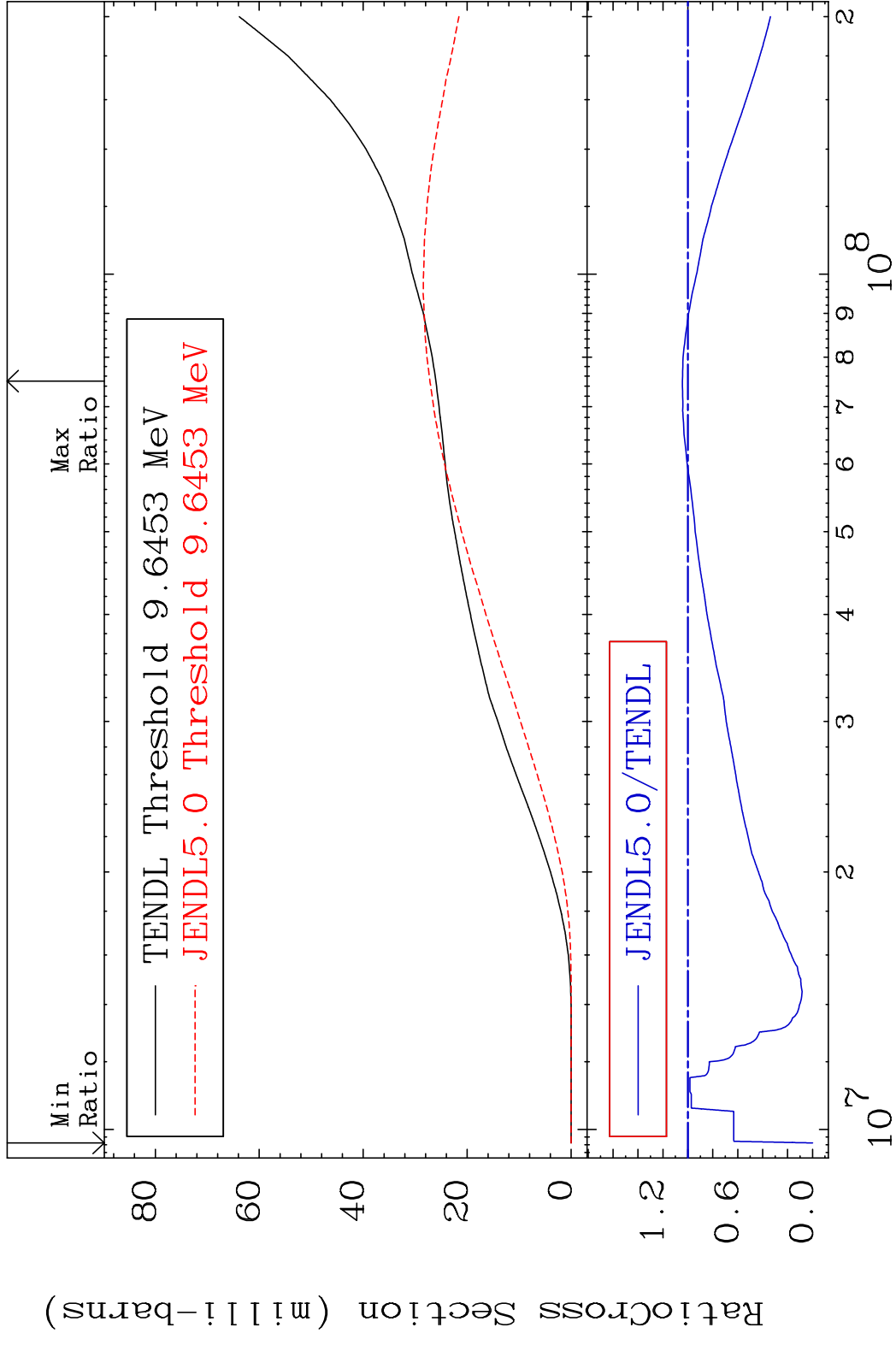


MAT 2840 Deuterium Production <sup>28</sup>Ni-63  
 Cross Section -100.0 To 179.4 %



37 28-Ni-63

MAT 2840 Tritium Production 28-Ni-63  
 Cross Section -100.0 To 4.422 %



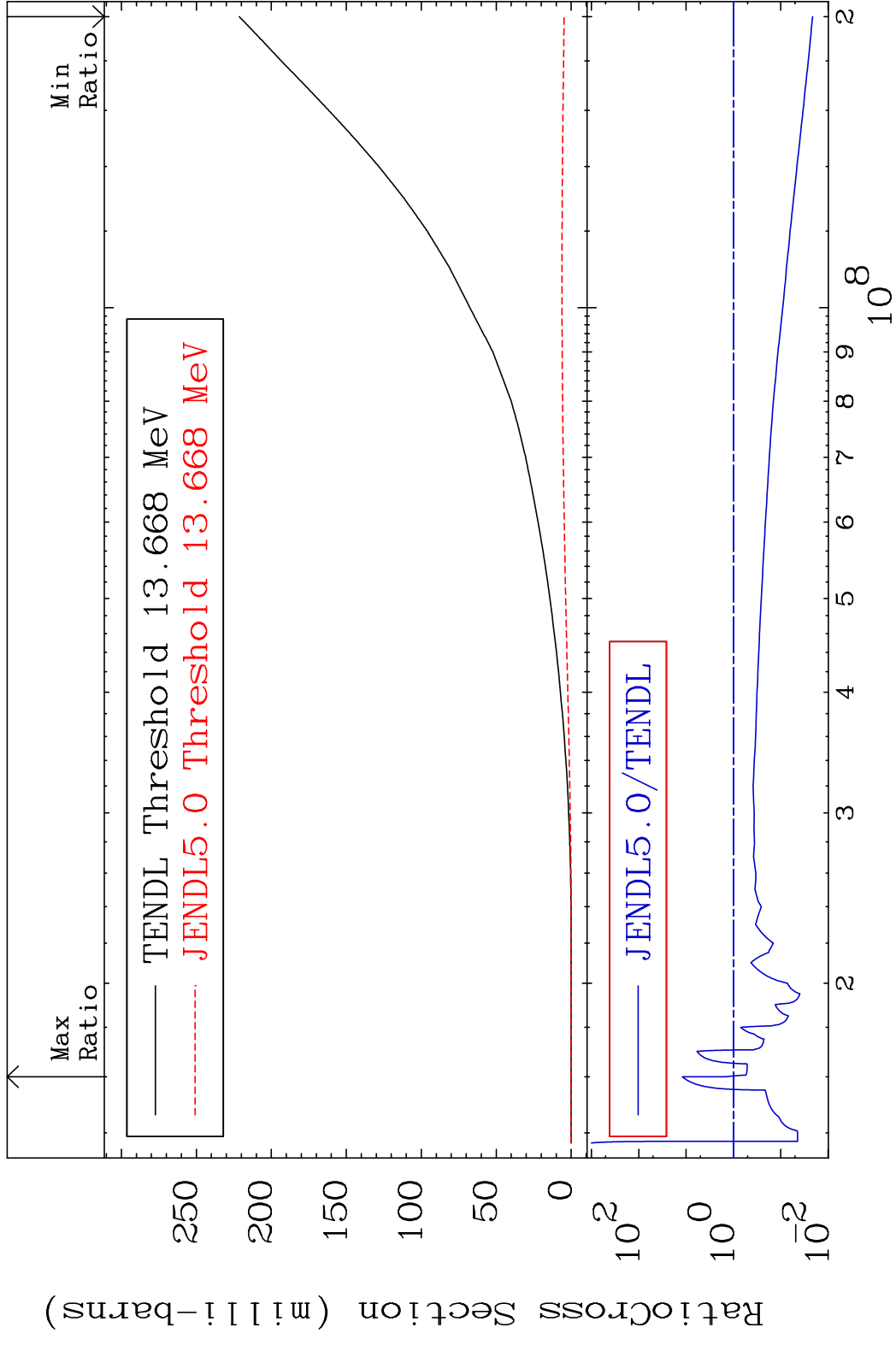
38 28-Ni-63

MAT 2840

He-3 Production

28-Ni-63

Cross Section -97.88 To 1097. %



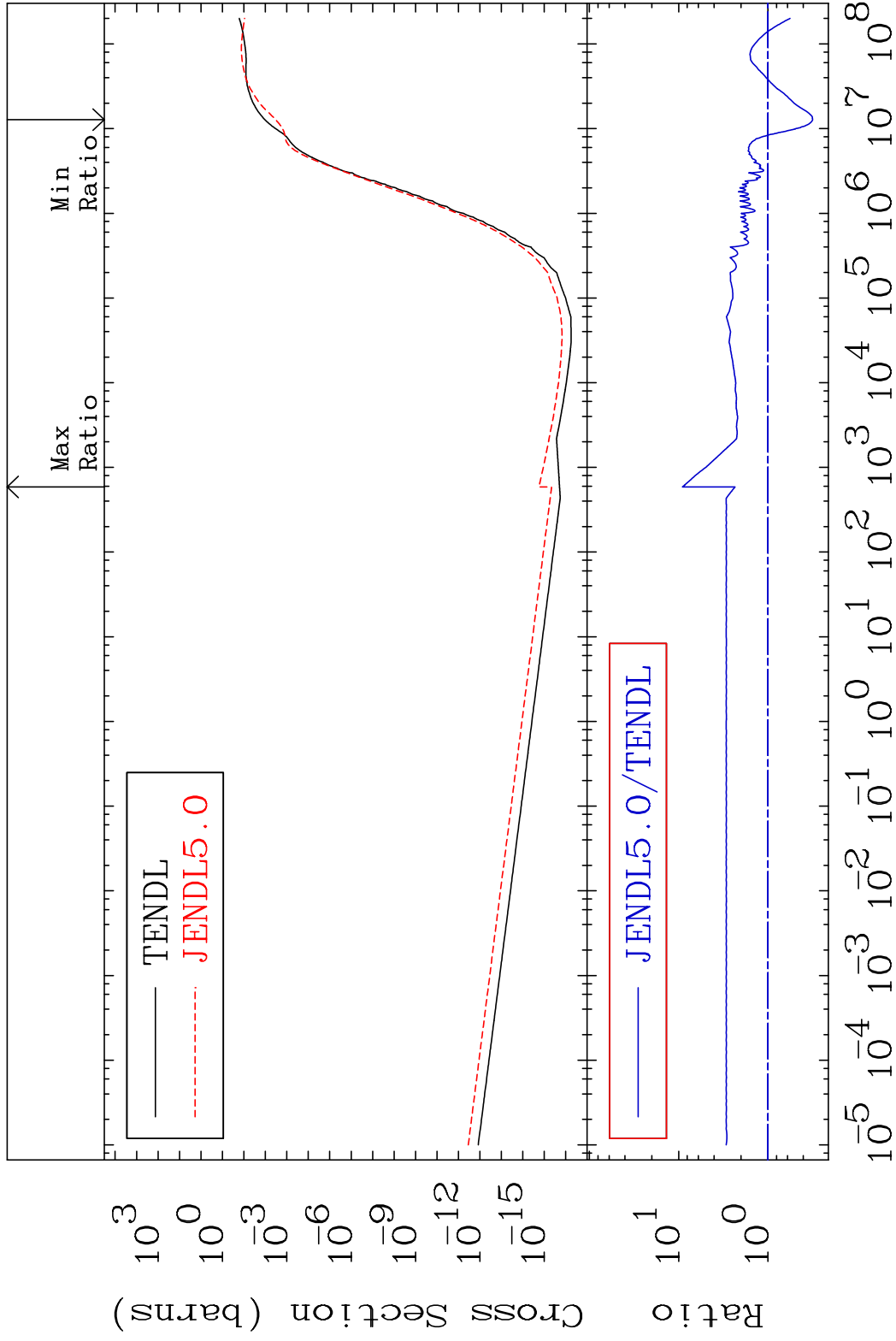


MAT 2840

He-4 Production

28-Ni-63

Cross Section -68.49 To 808.5 %

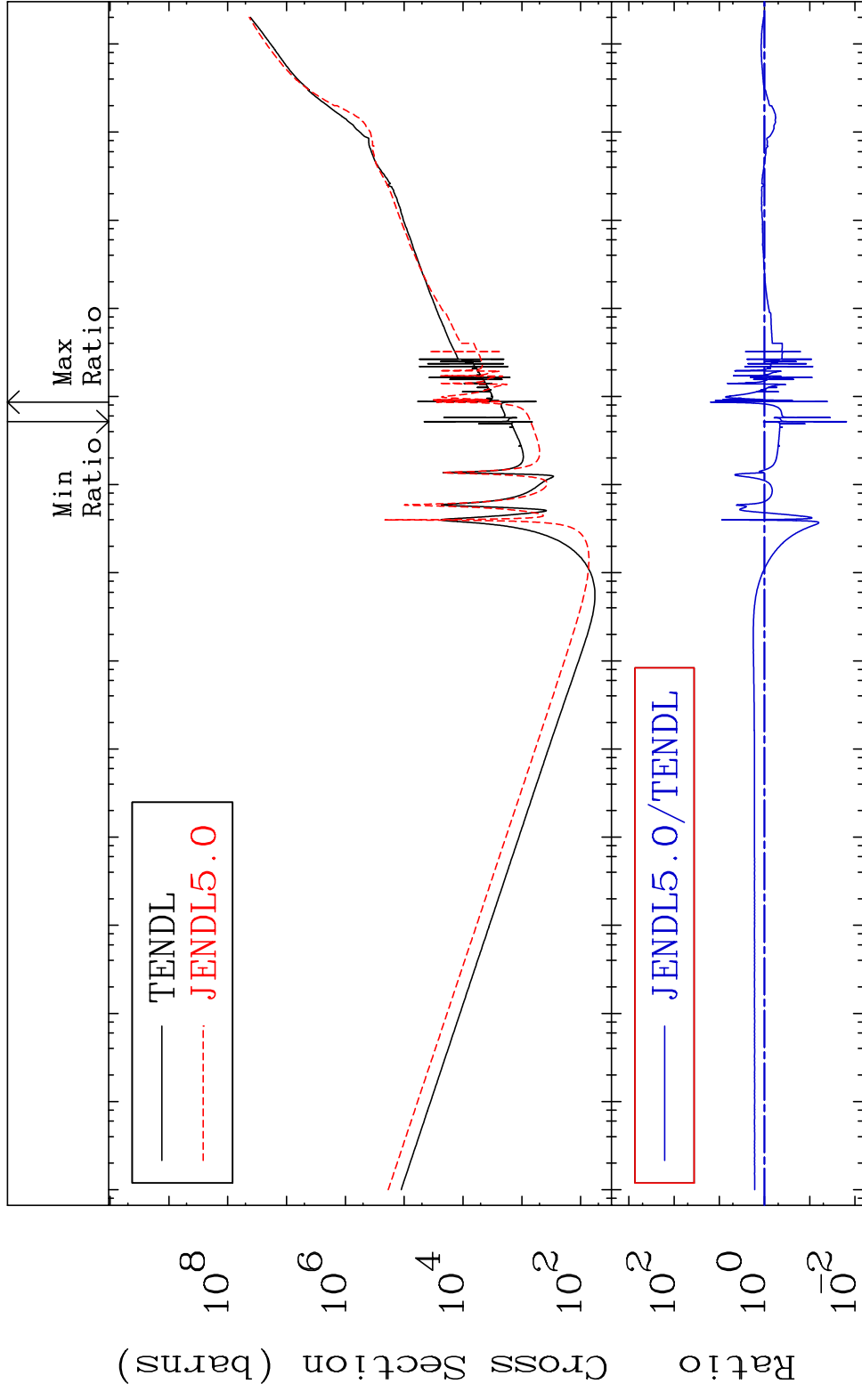


40

Incident Energy (eV)

28-Ni-63

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



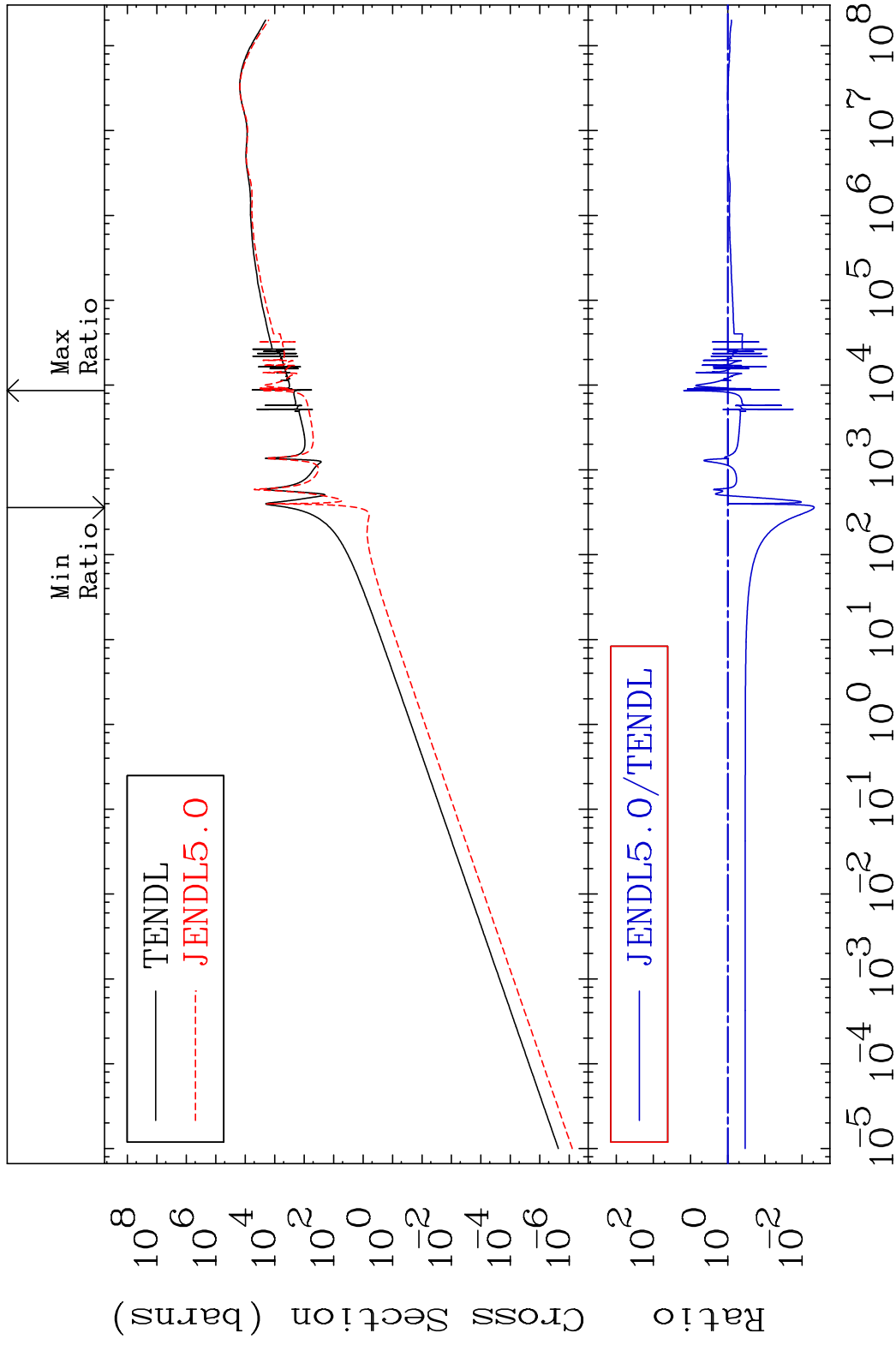
41 Incident Energy (eV) 28-Ni-63

MAT 2840

Kerma elastic

28-Ni-63

Cross Section -99.53 To 1434. %

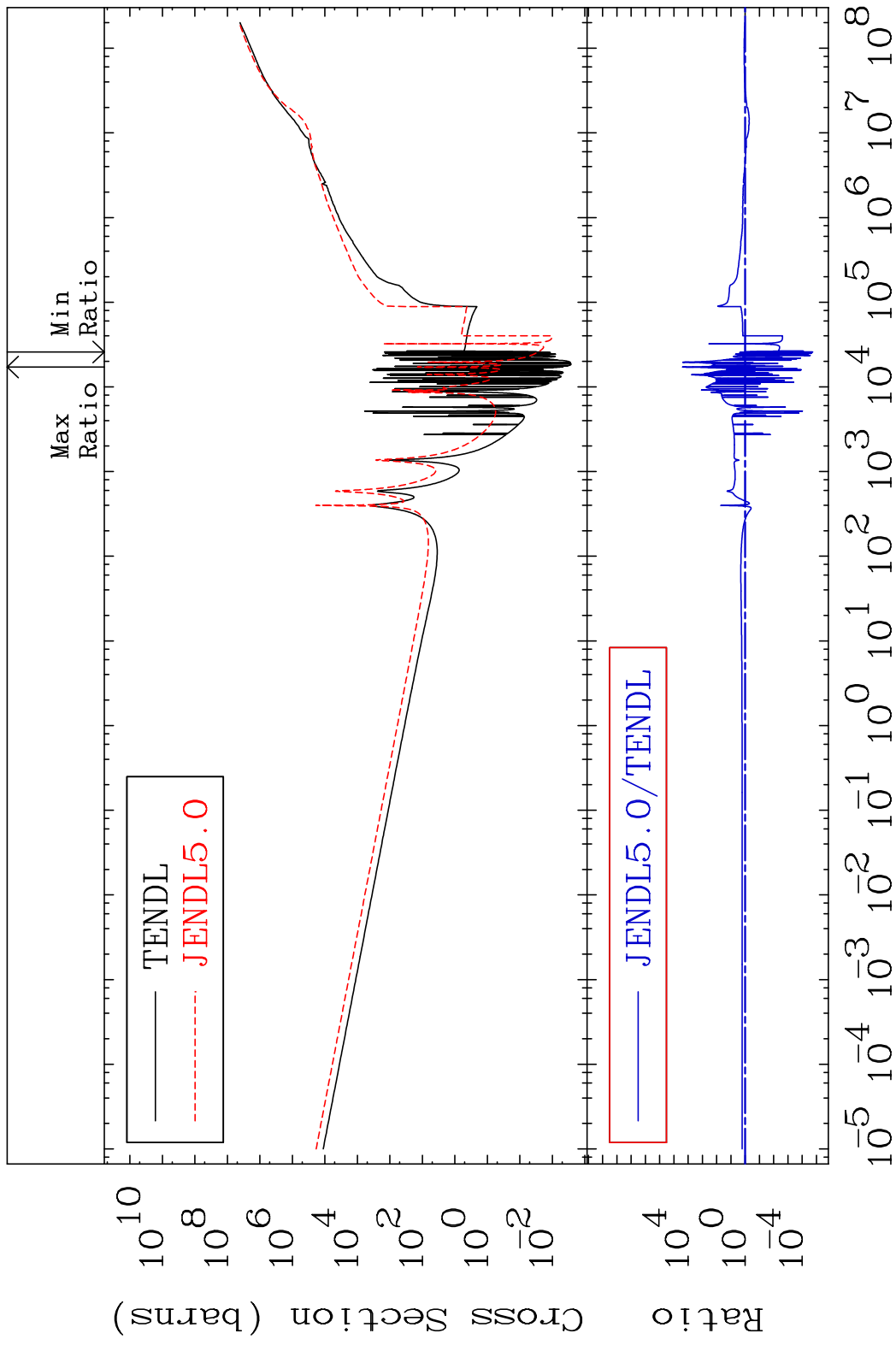


42

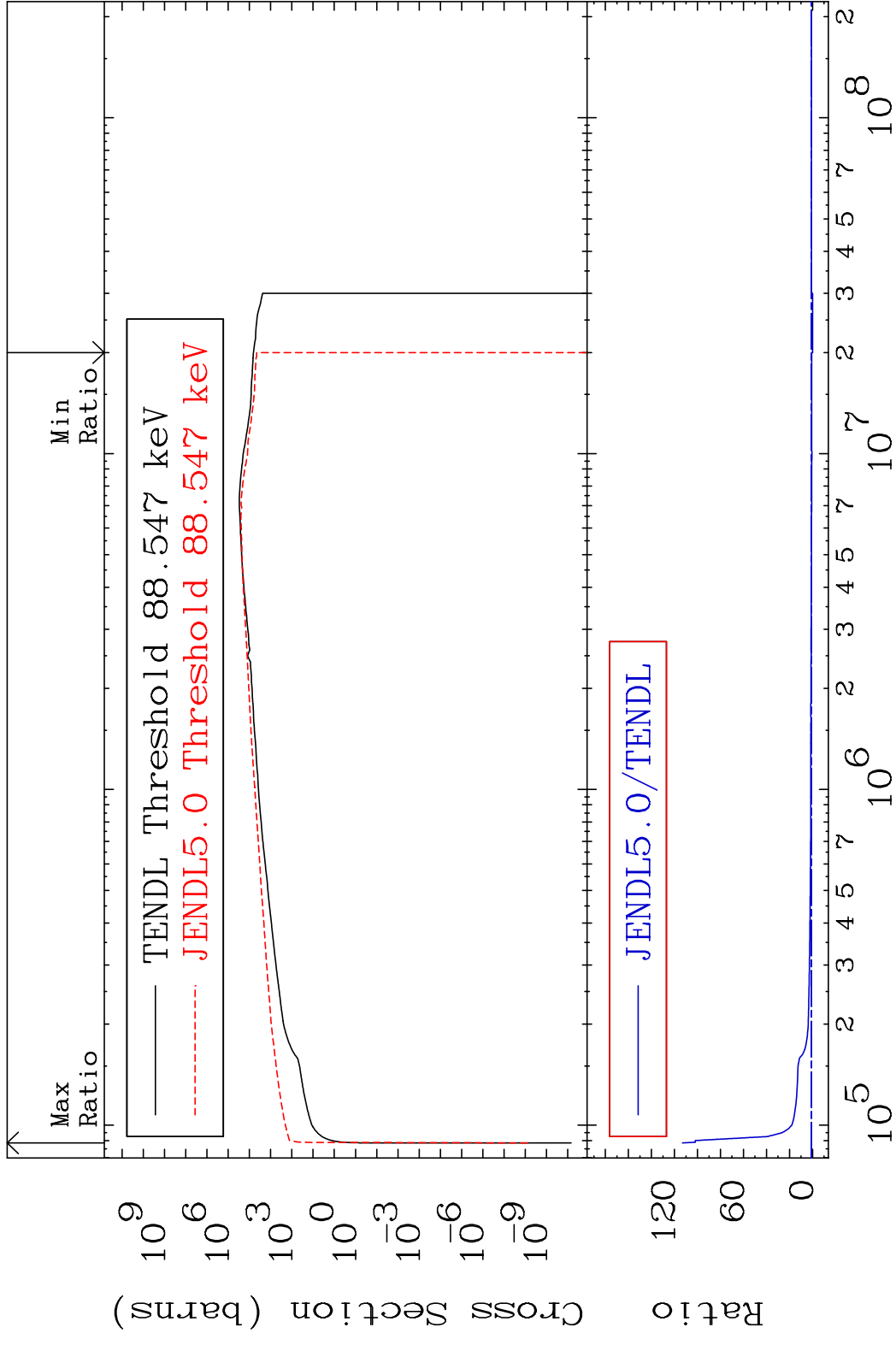
Incident Energy (eV)

28-Ni-63

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

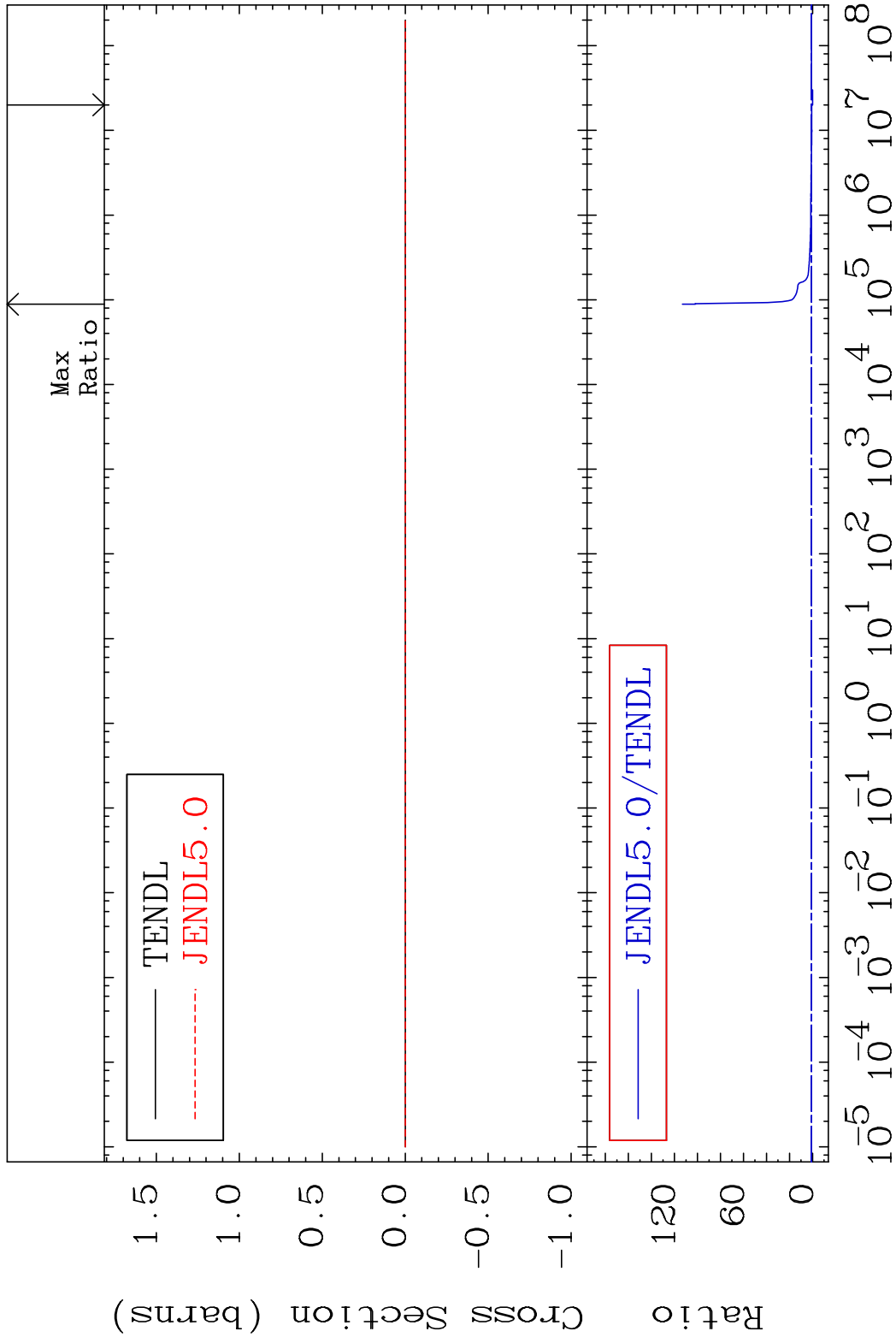


MAT 2840 Kerma inelastic (mt51-91) 28-Ni-63  
 Cross Section -100.0 To 9999. %



44 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. %

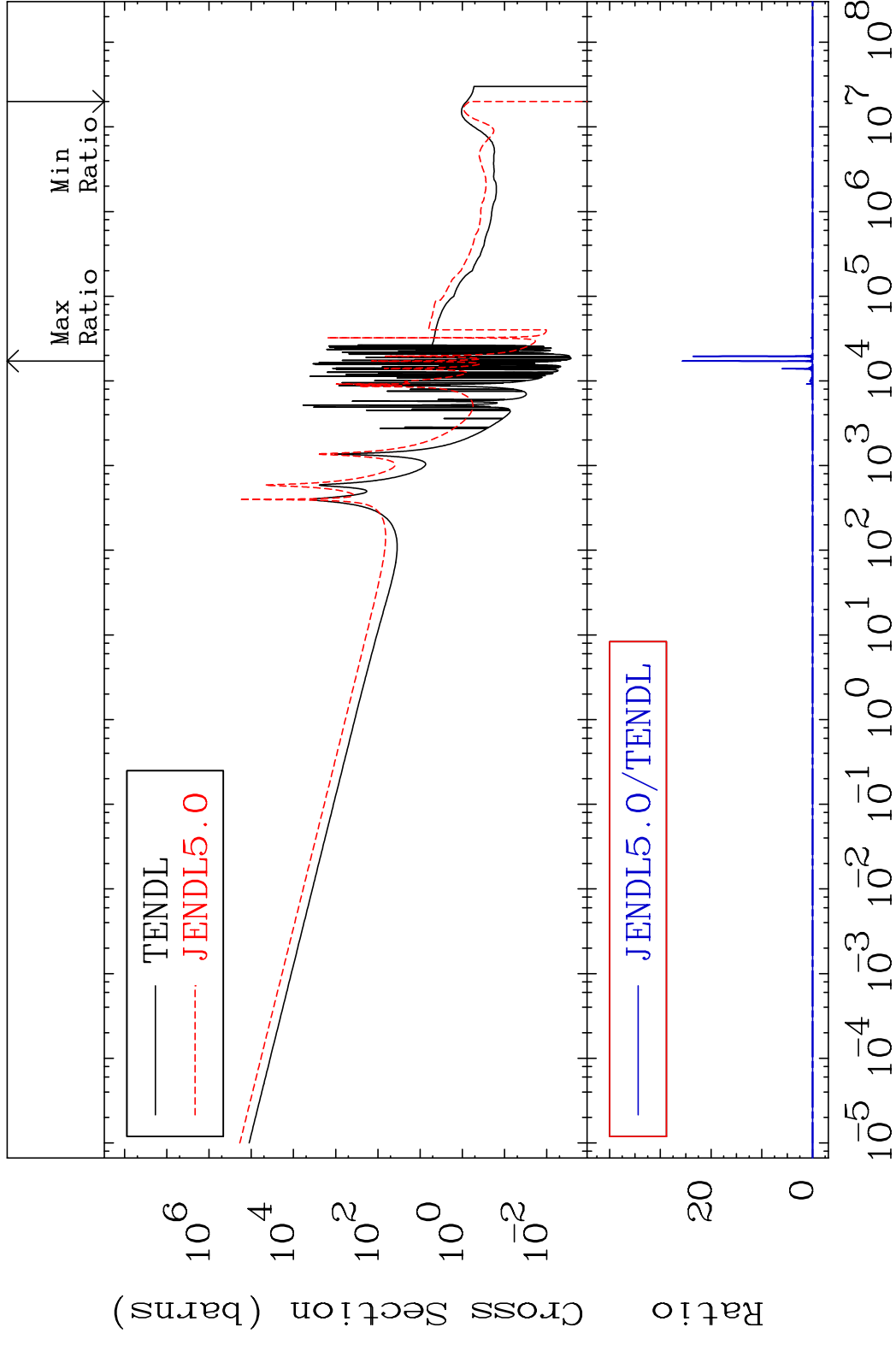


45

Incident Energy (eV)

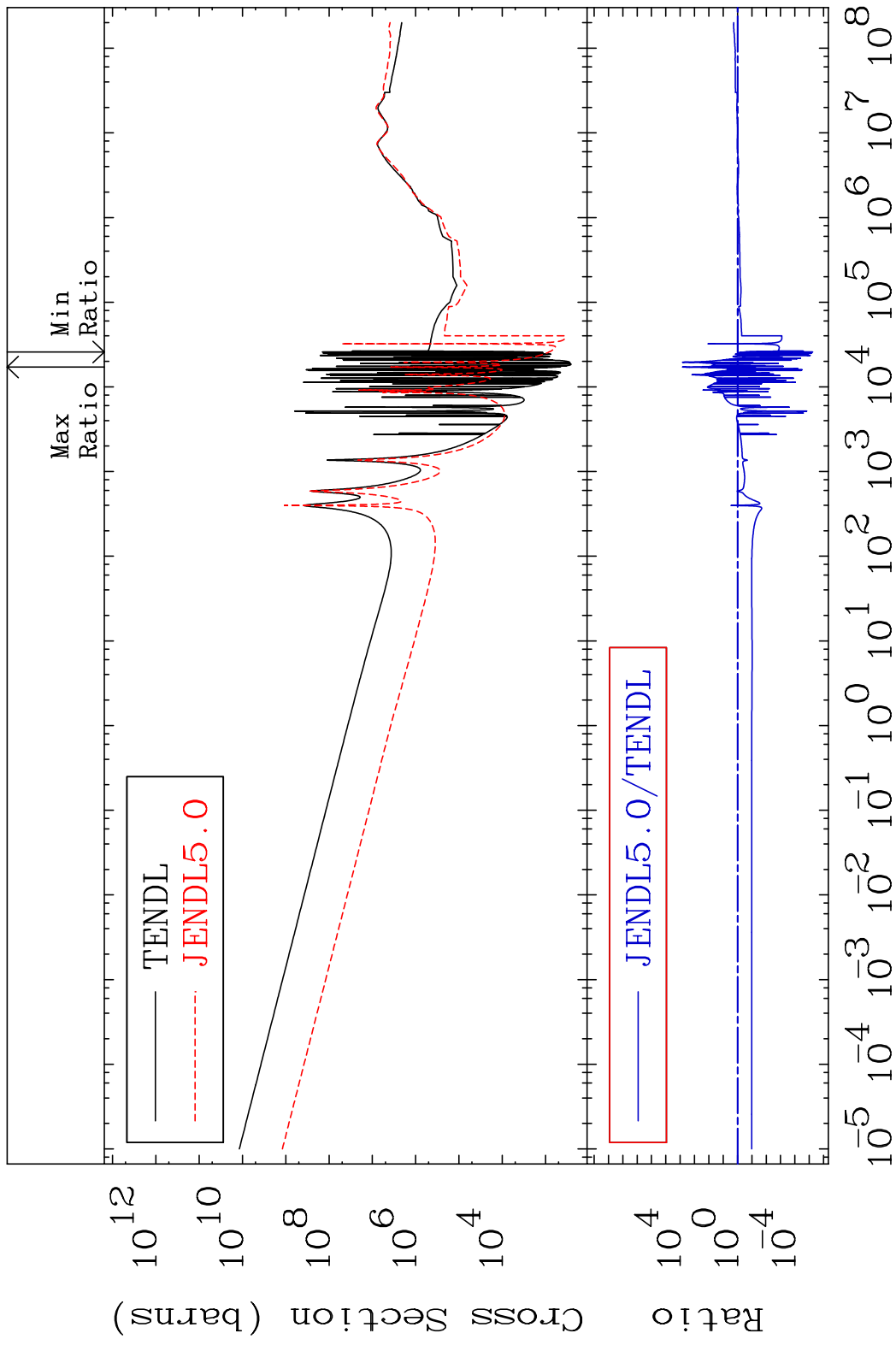
28-Ni-63

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



46 Incident Energy (eV) 28-Ni-63

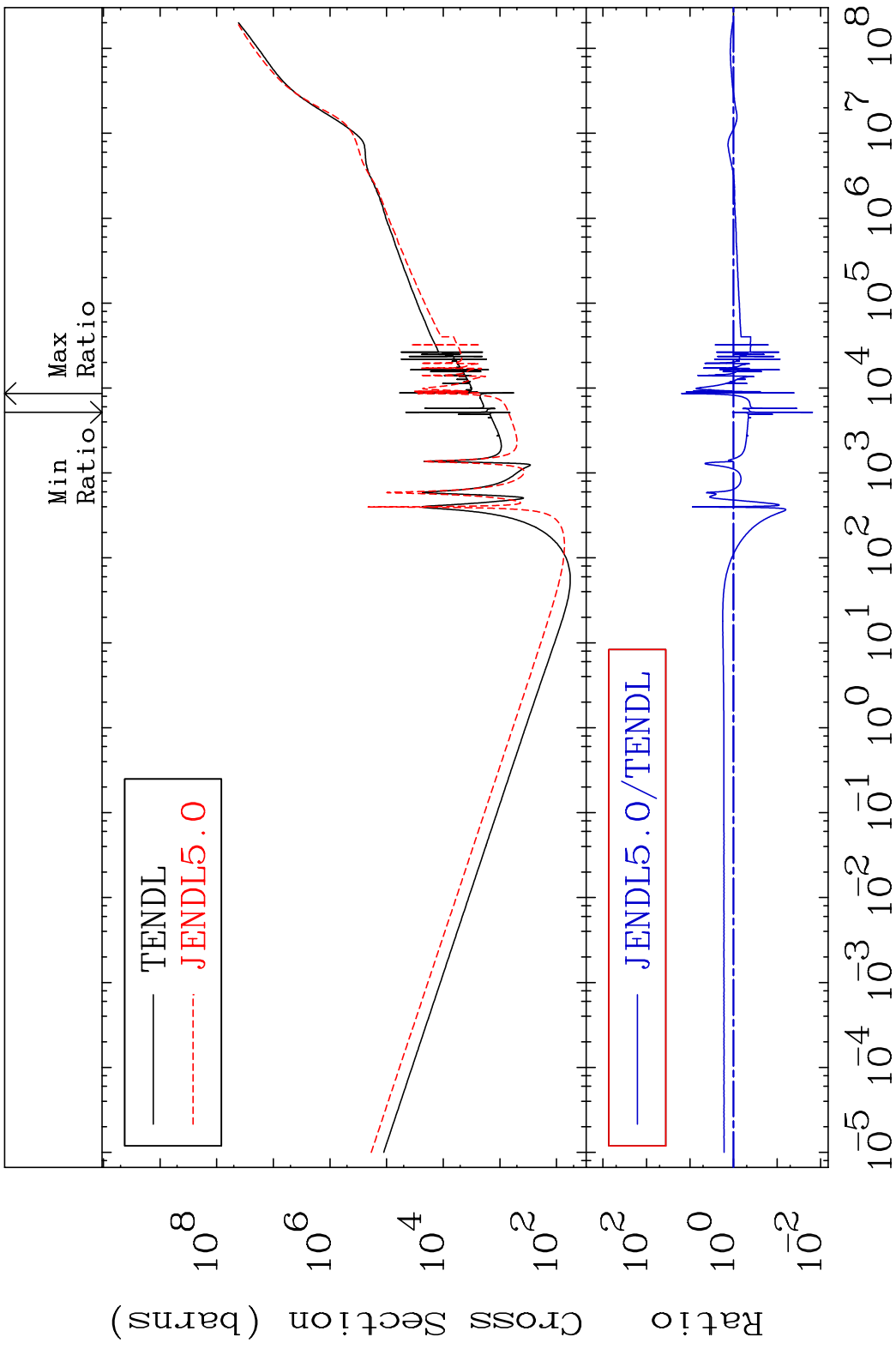
MAT 2840 Total photon (eV-barns) 28-Ni-63  
Cross Section -100.0 To 9999. %



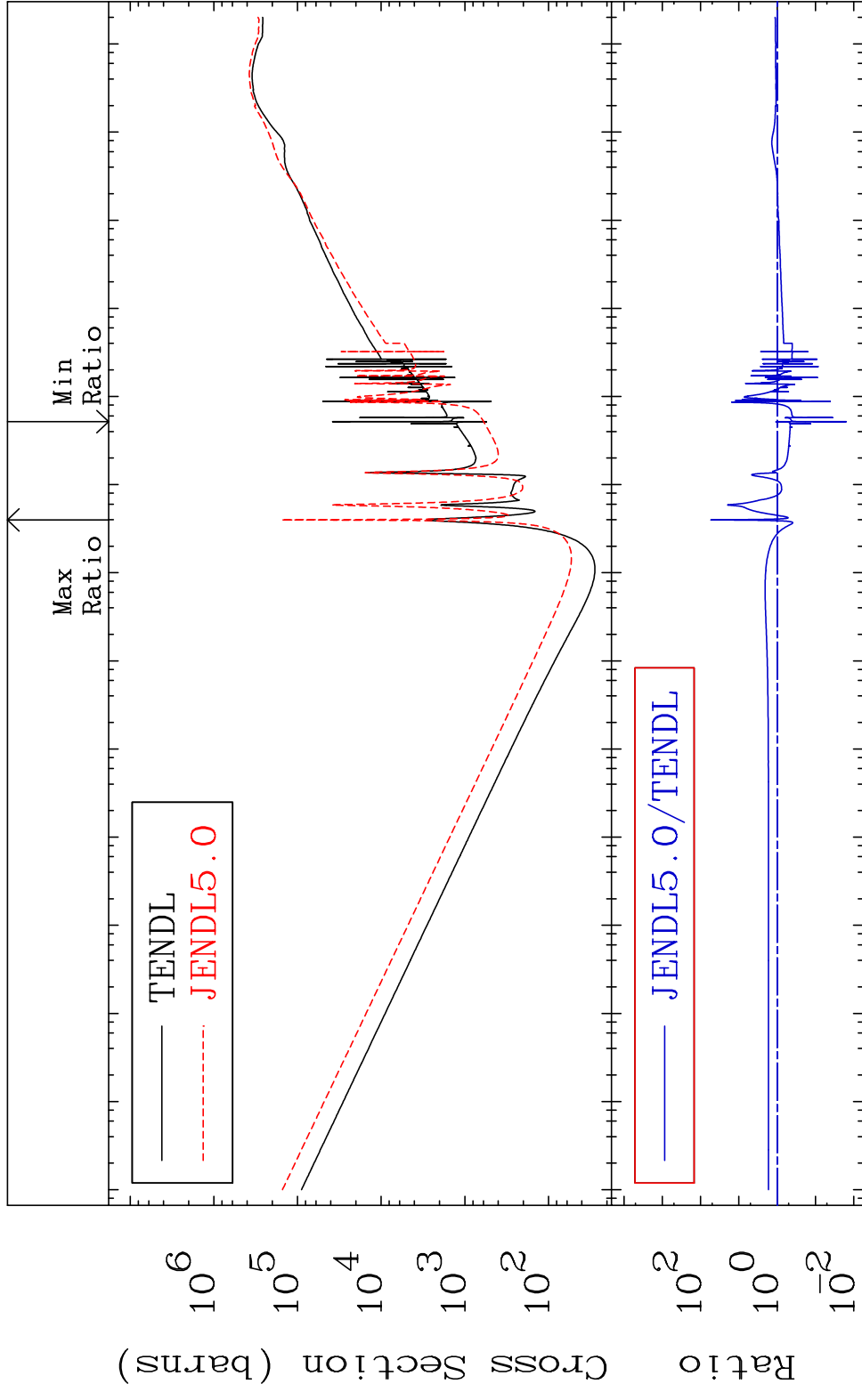
47 Incident Energy (eV) 28-Ni-63



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 5340. %

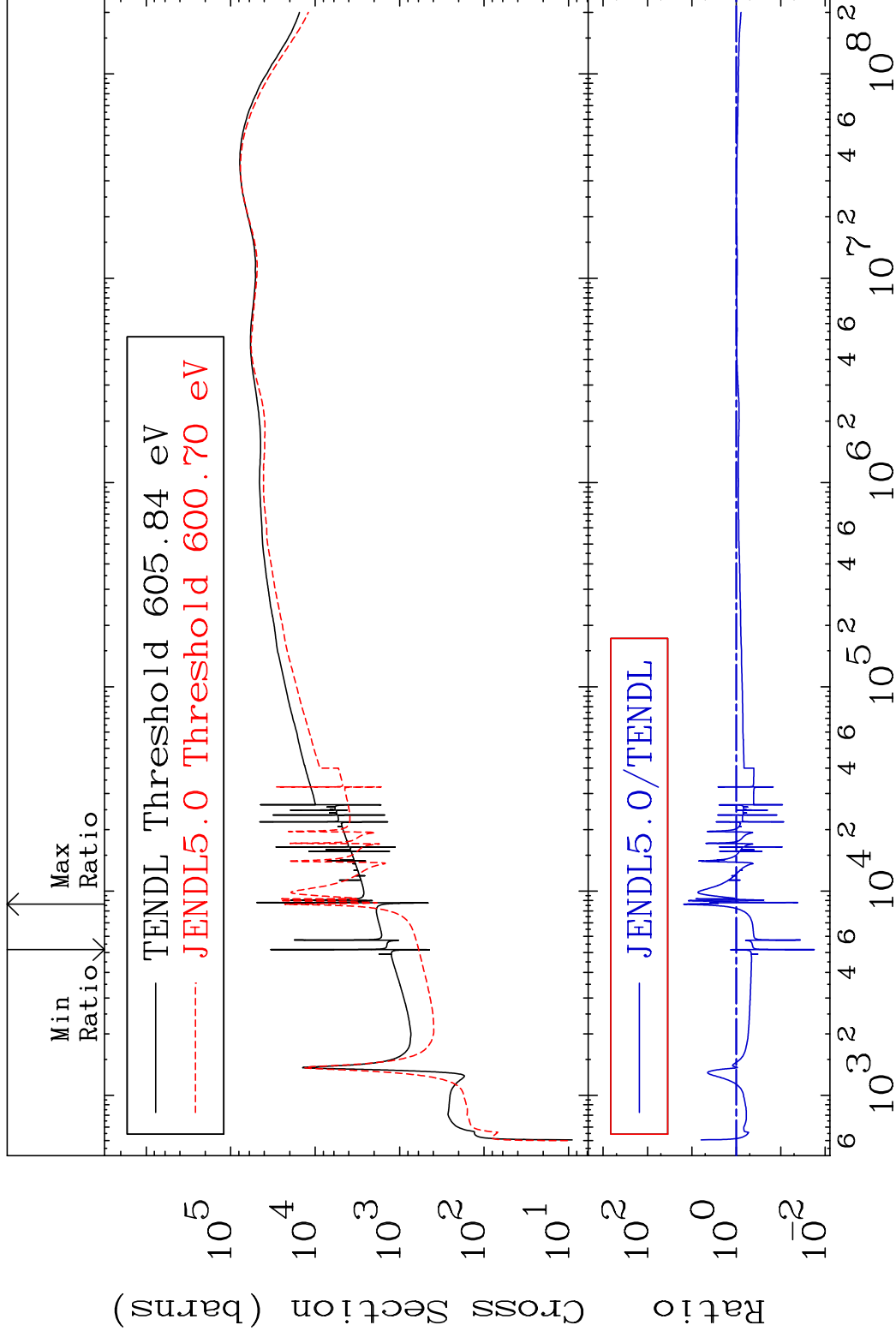


MAT 2840

Dpa elastic (mt2)

28-Ni-63

Cross Section -98.23 To 1434. %

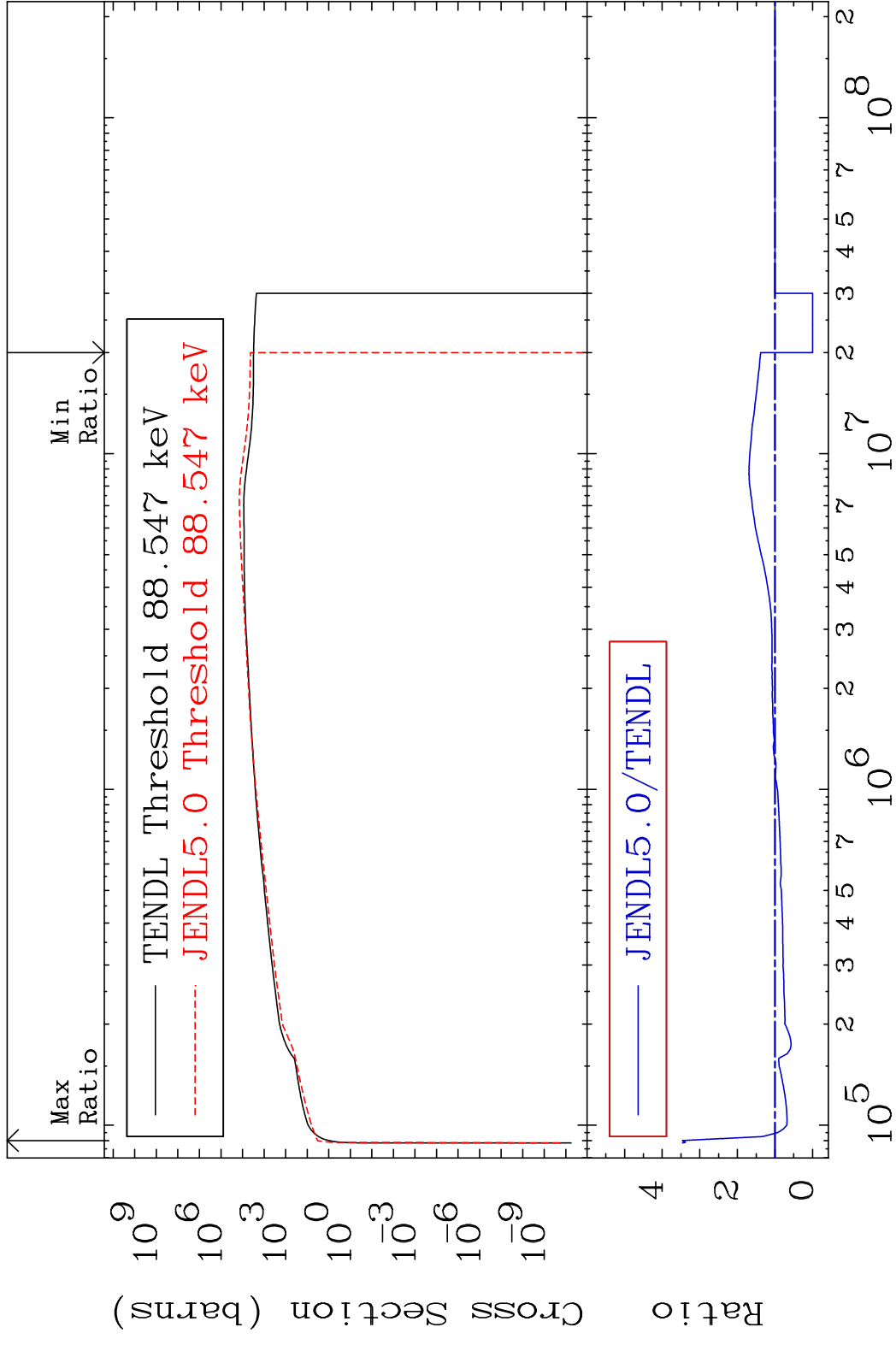


50

Incident Energy (eV)

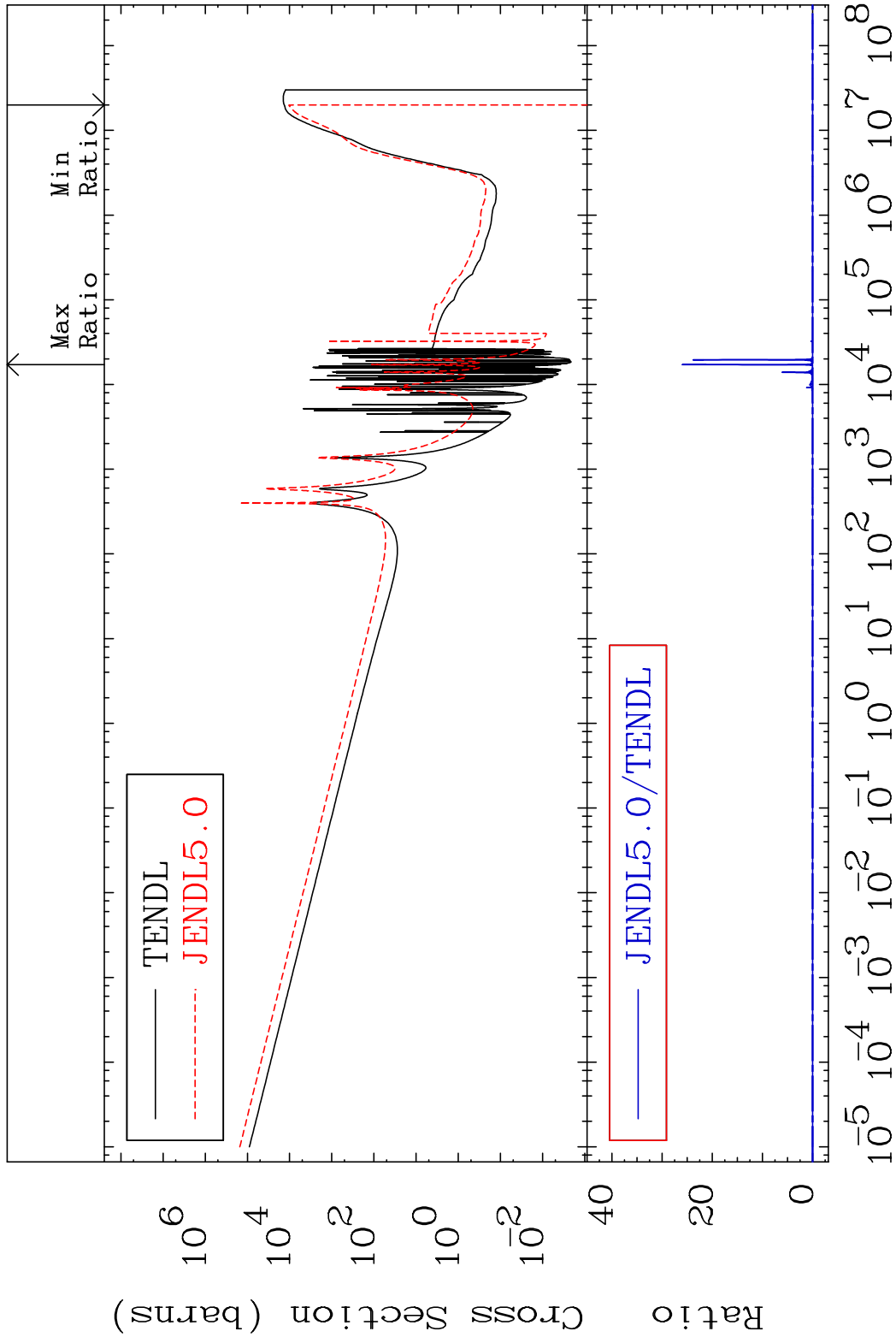
28-Ni-63

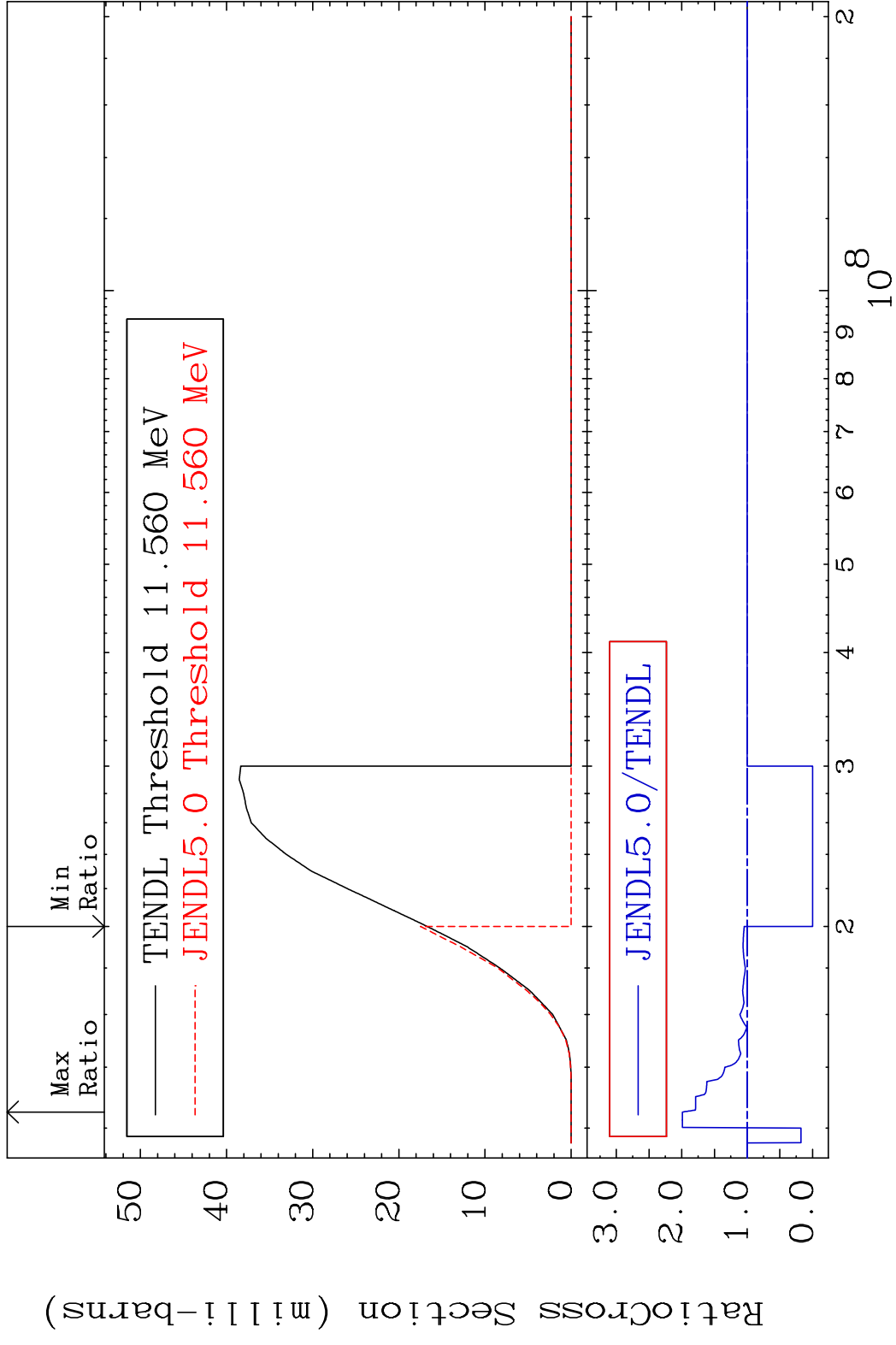
MAT 2840 Dpa inelastic (mt51-91) 28-Ni-63  
 Cross Section -100.0 To 246.4 %

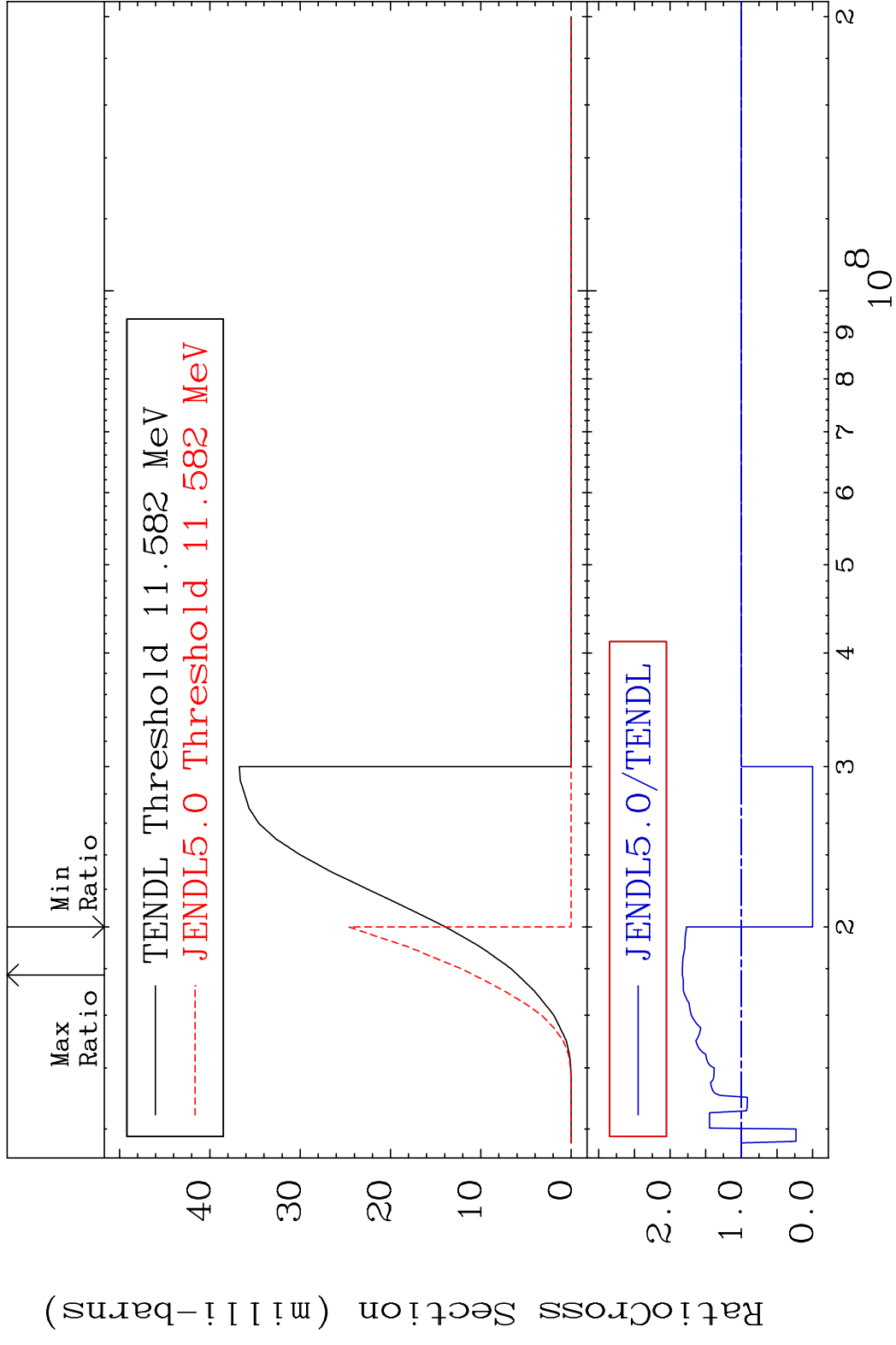


51 Incident Energy (eV) 28-Ni-63

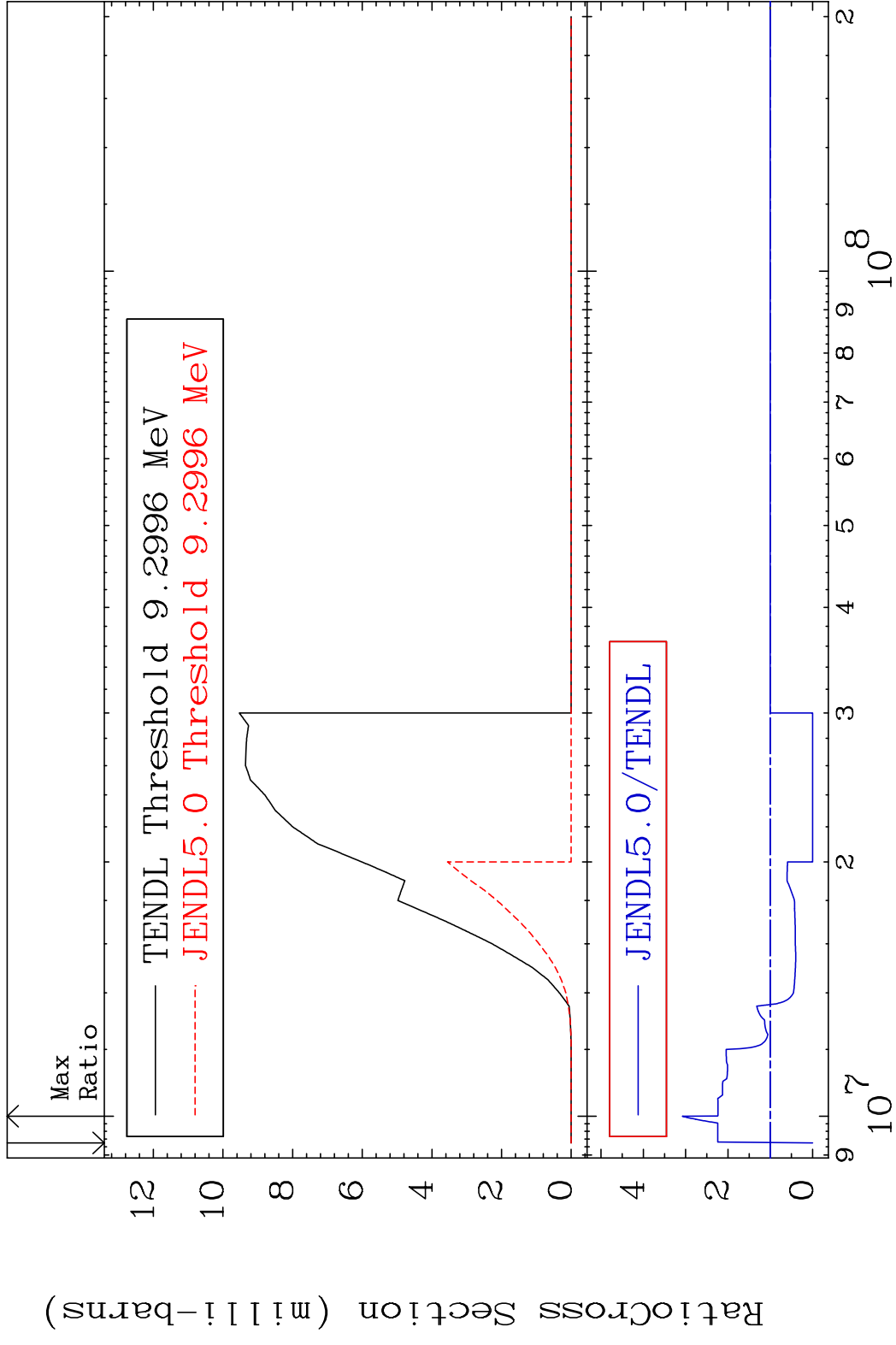
MAT 2840 Dpa disappearance (mt102 -120) 28-Ni-63  
Cross Section -100.0 To 9999. %







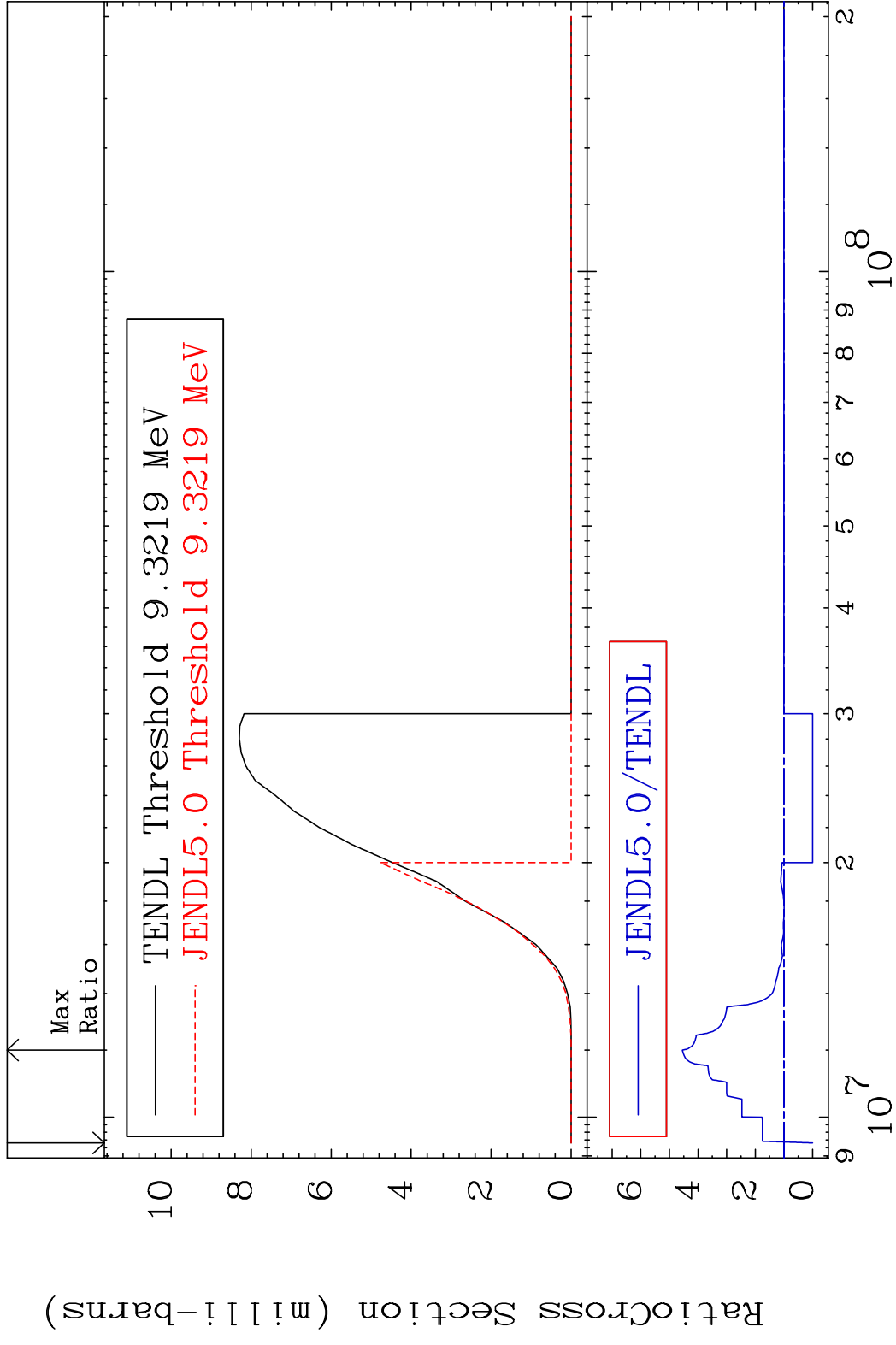
MAT 2840 (n,d):27-Co-62g 28-Ni-63  
 Radionuclide Production Cross Section 180.0 mb 207.8 %



55 Incident Energy (eV) 28-Ni-63



MAT 2840 (n,d):27-Co-62m1 28-Ni-63  
 Radionuclide Production Cross Section 180.0 mb 354.7 %



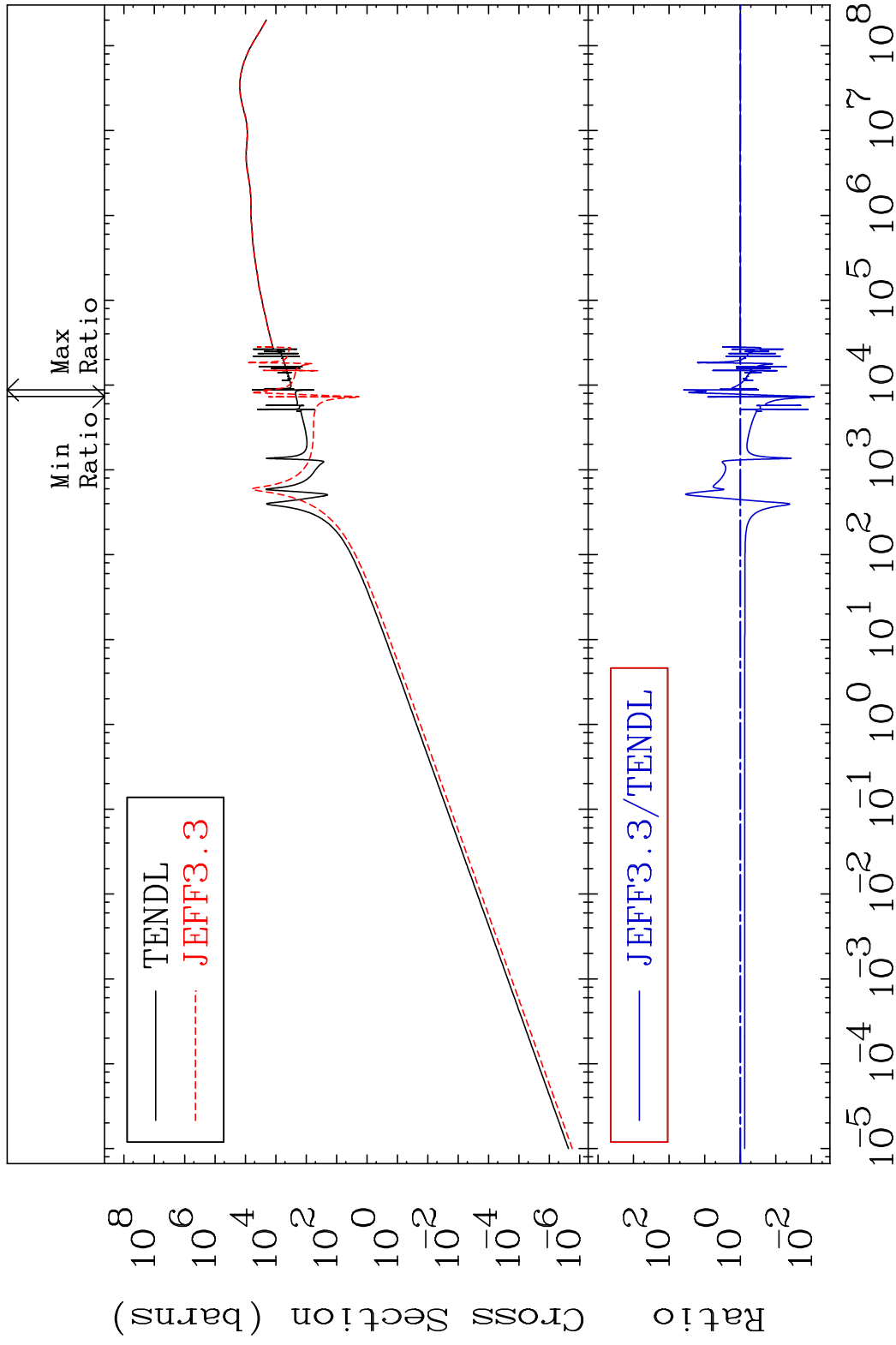
56 Incident Energy (eV) 28-Ni-63

MAT 2840

Kerma elastic

28-Ni-63

Cross Section -99.16 To 3799. %

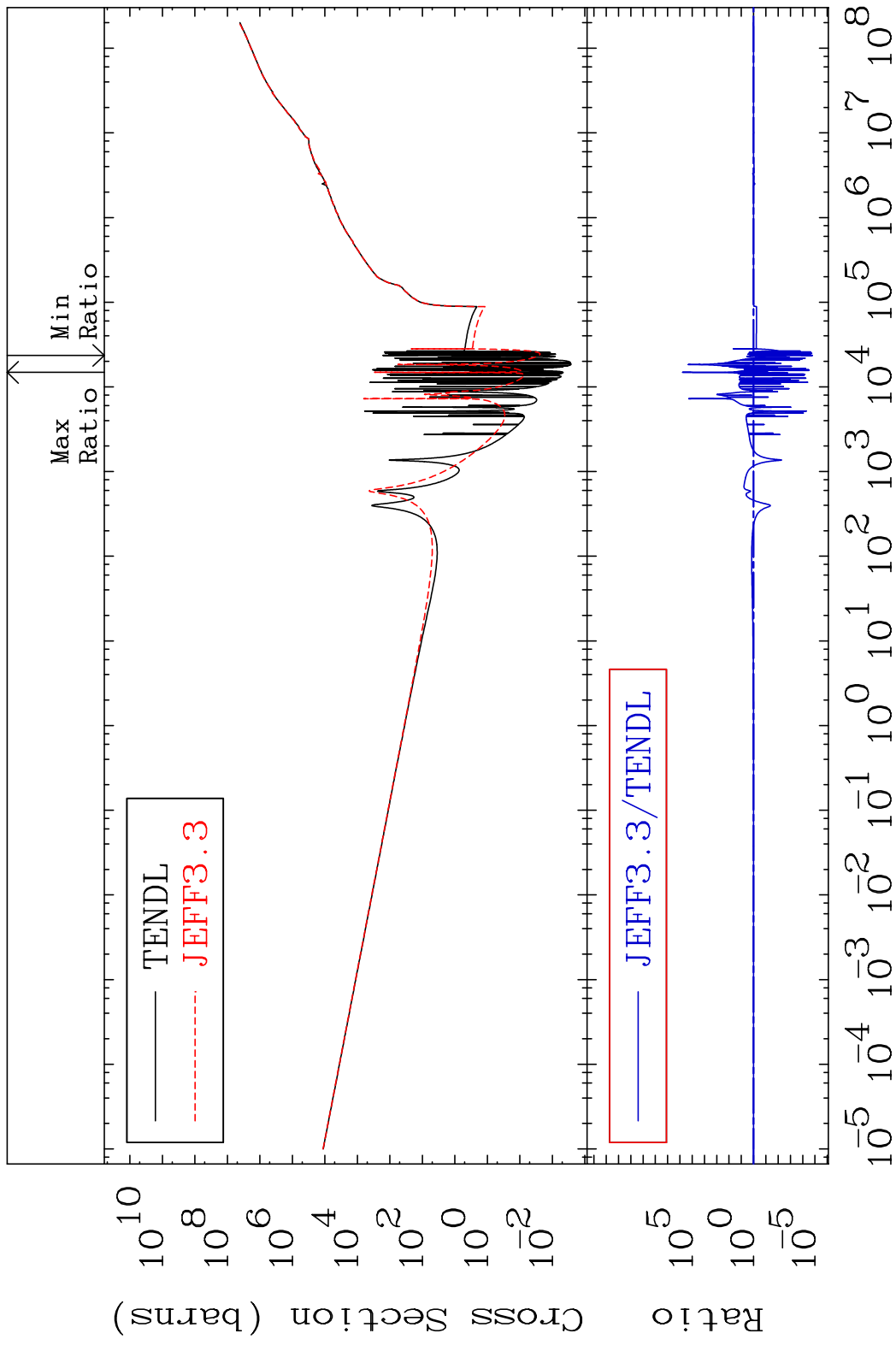


57

Incident Energy (eV)

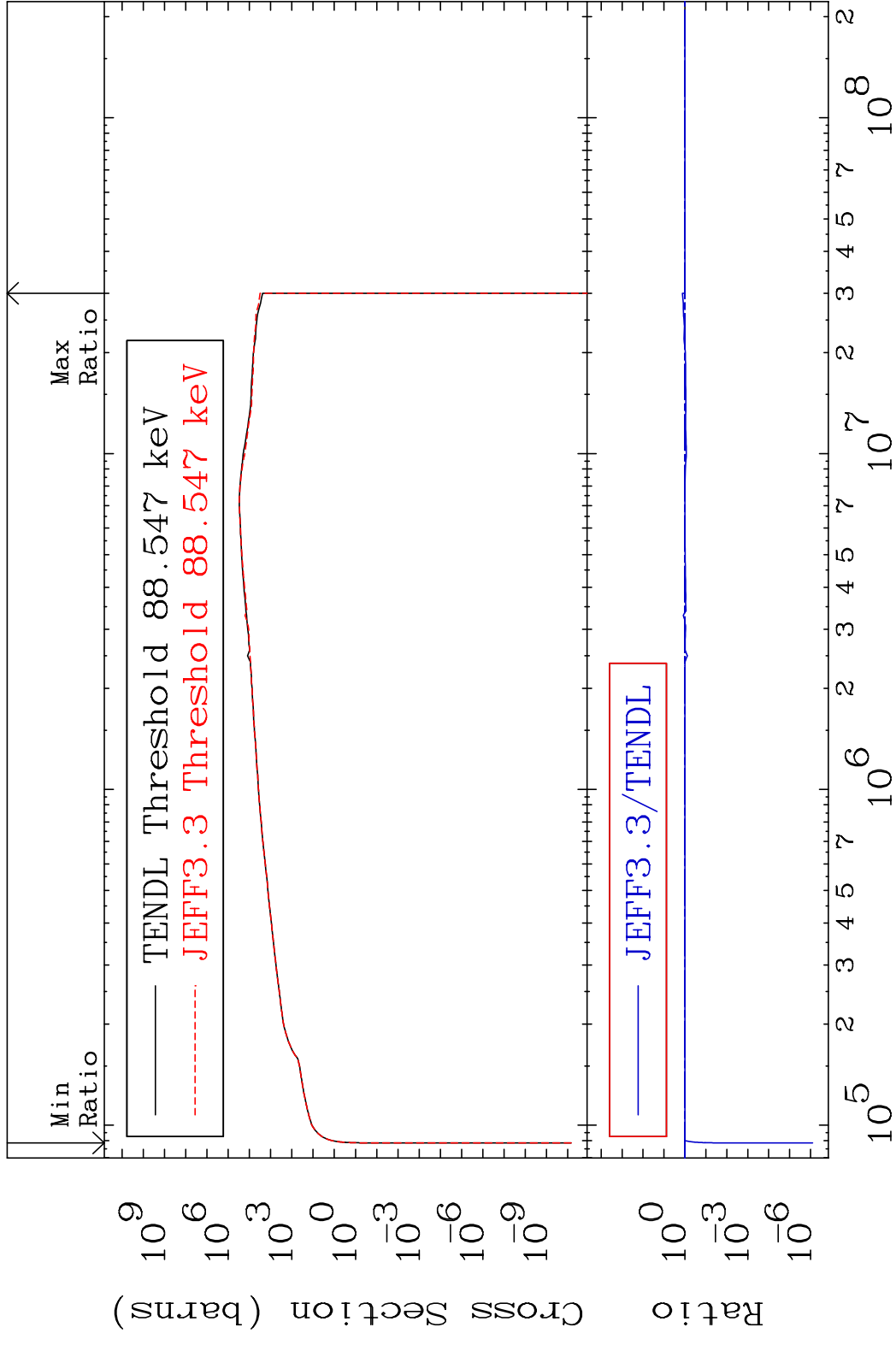
28-Ni-63

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



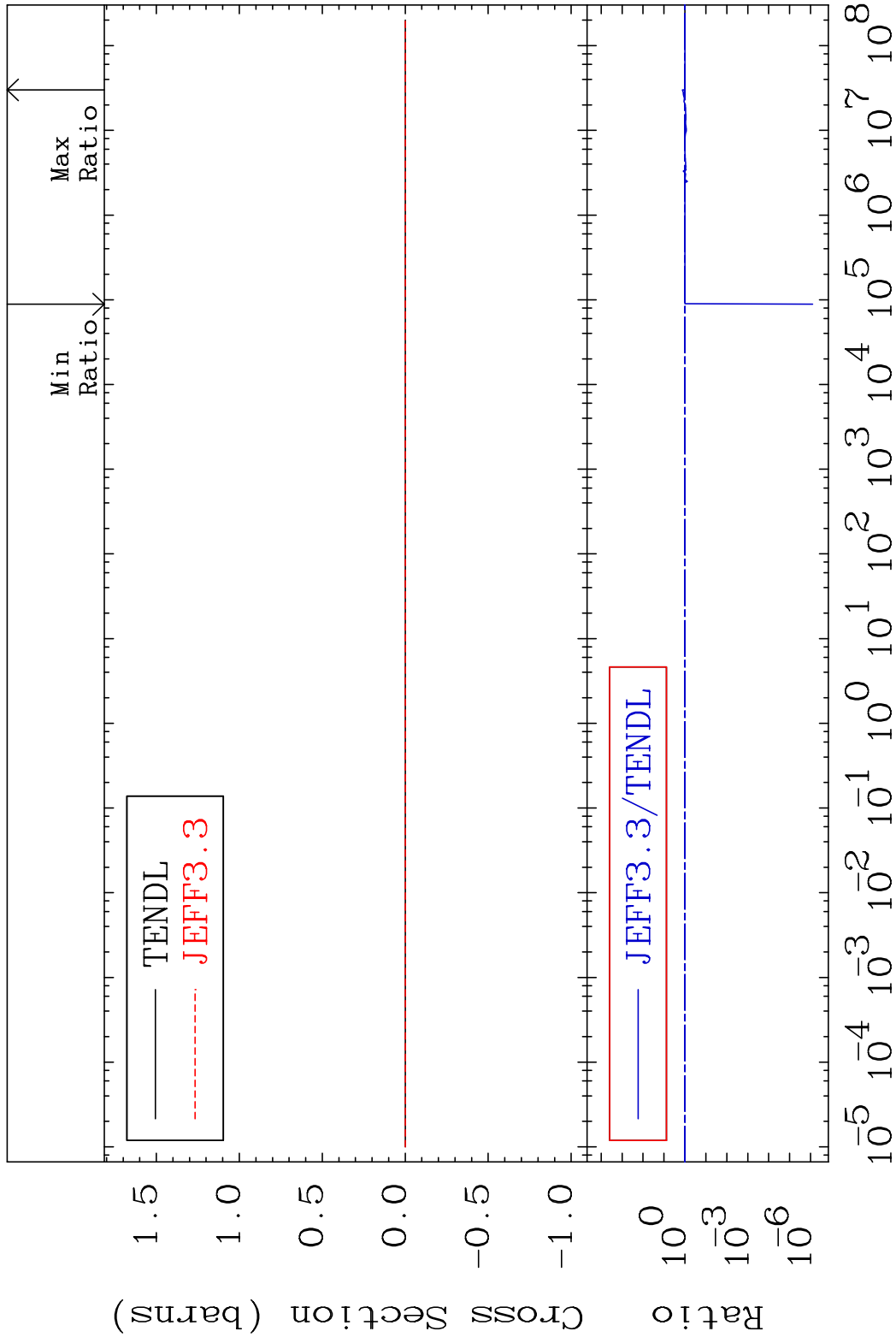
58 Incident Energy (eV) 28-Ni-63

MAT 2840 Kerma inelastic (mt51-91) 28-Ni-63  
 Cross Section -100.0 To 32.63 %

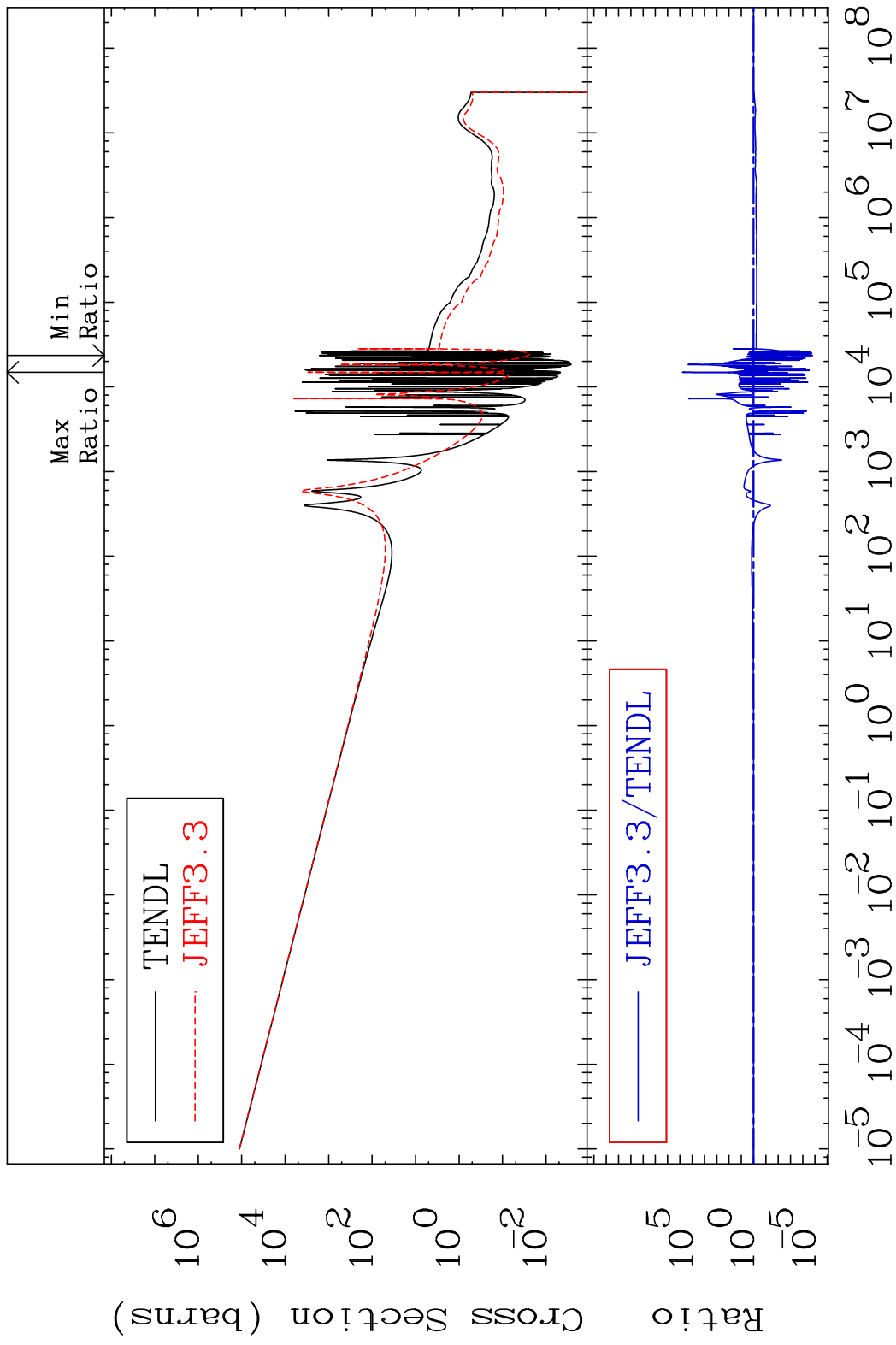


59 Incident Energy (eV) 28-Ni-63

MAT 2840 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-63  
 Cross Section -100.0 To 32.63 %

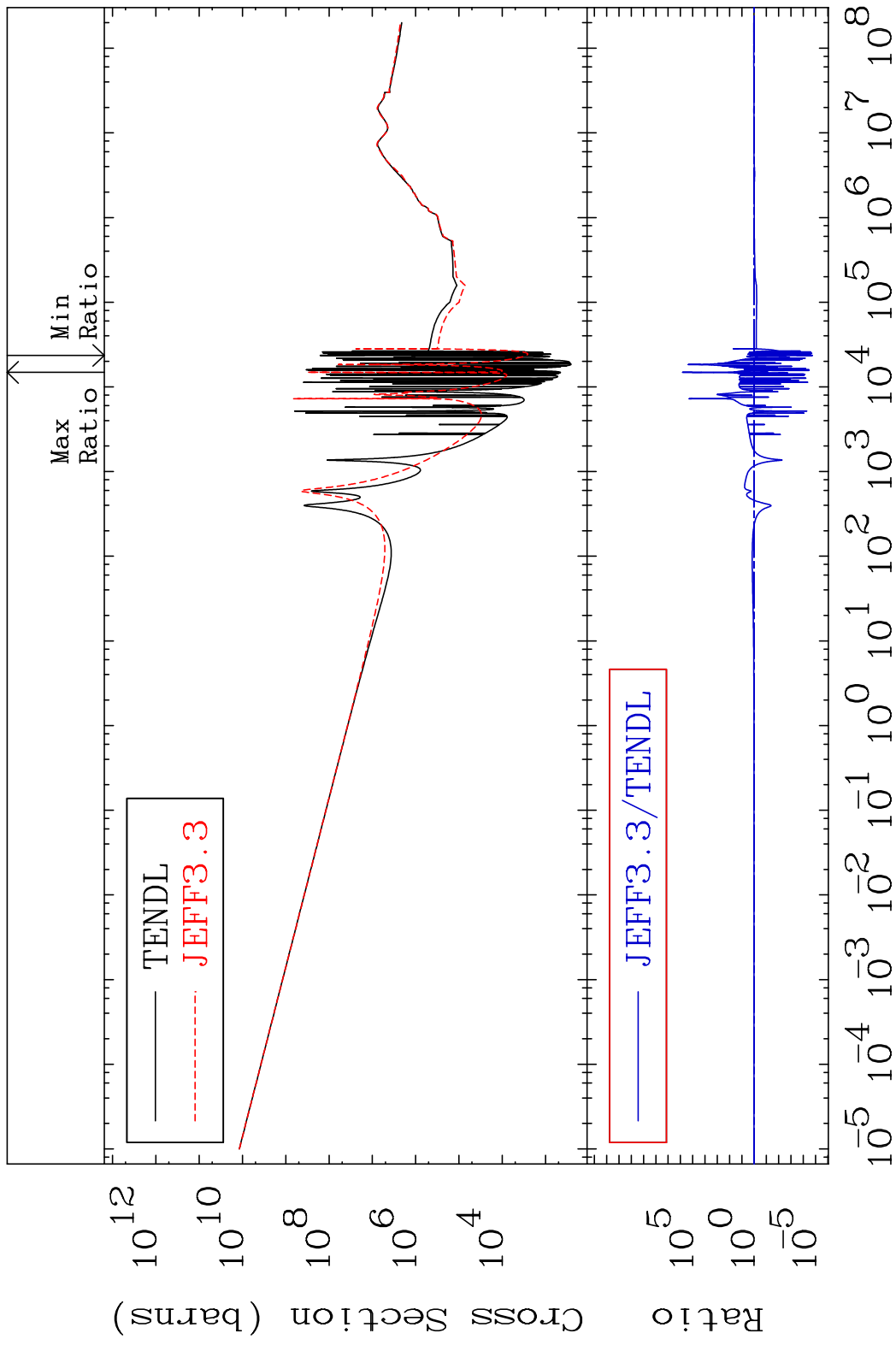


MAT 2840 Kerma capture (mt102) 28-Ni-63  
 Cross Section -100.0 To 9999. %



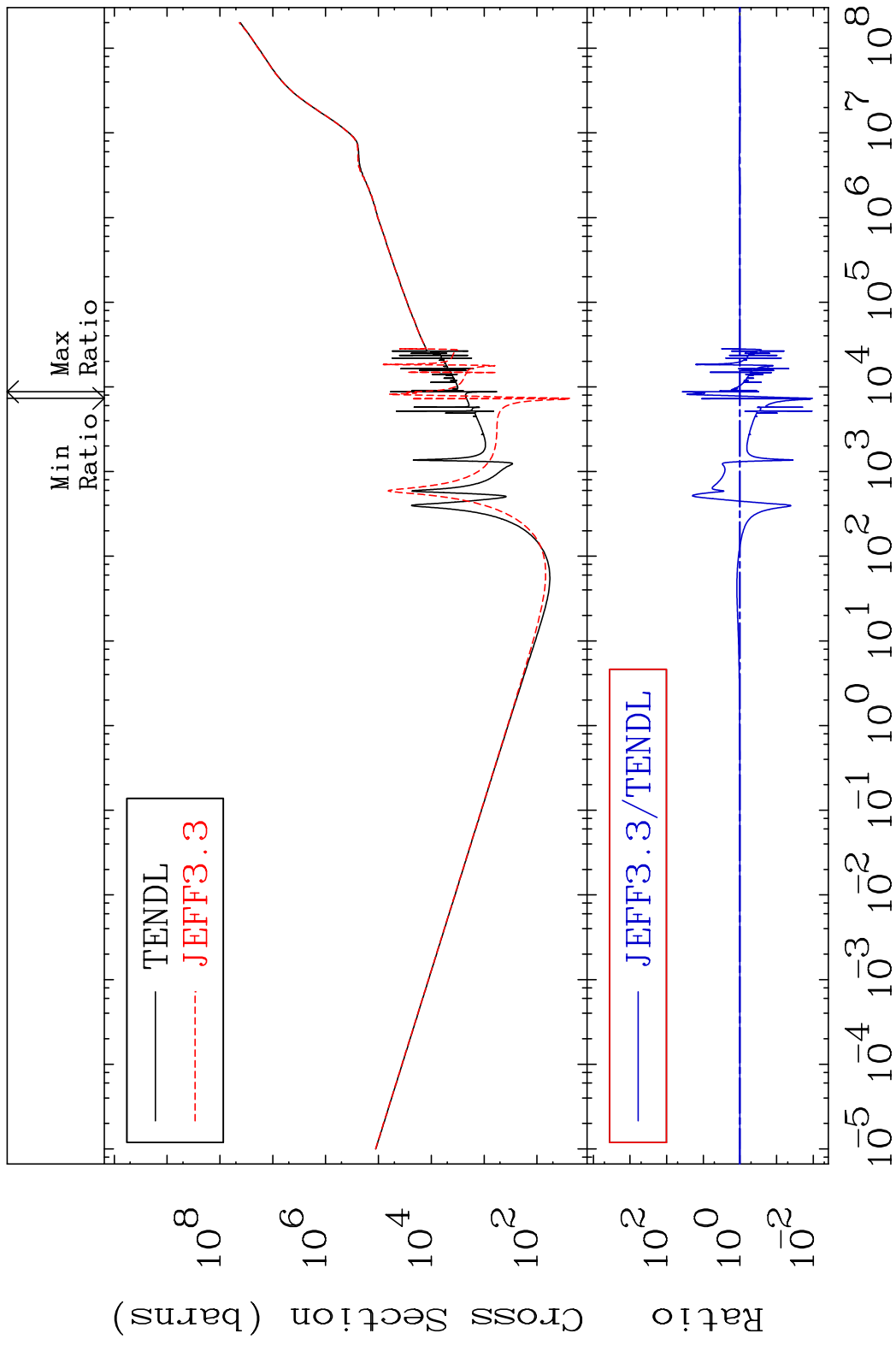
61 Incident Energy (eV) 28-Ni-63

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



62 Incident Energy (eV) 28-Ni-63

MAT 2840 Total kinematic kerma (high limit) 28-Ni-63  
 Cross Section -98.95 To 3630. %



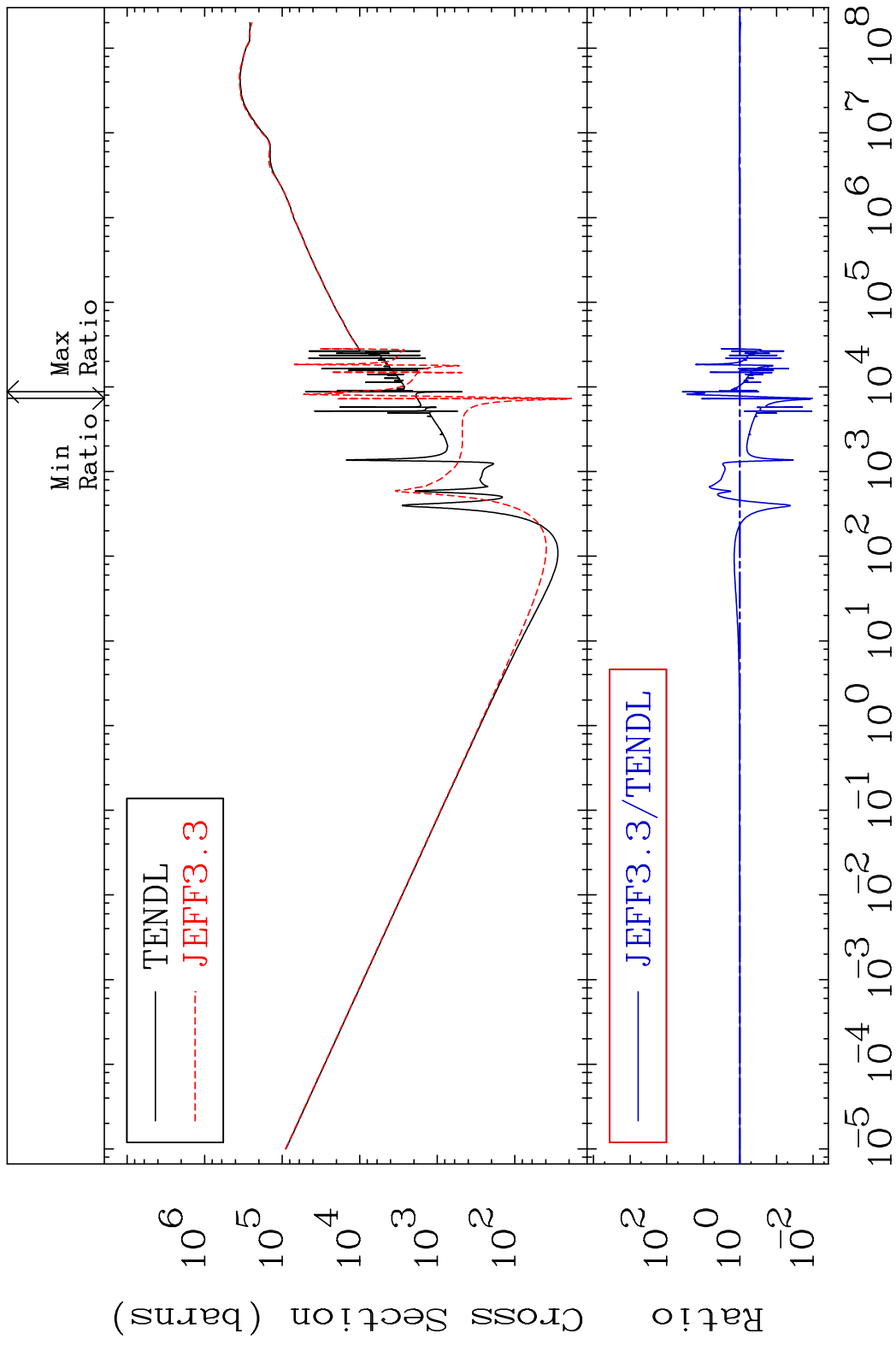
63

Incident Energy (eV)

28-Ni-63



MAT 2840      Dpa total (eV-barns)      28-Ni-63  
 Cross Section      -98.97 To 3638. %



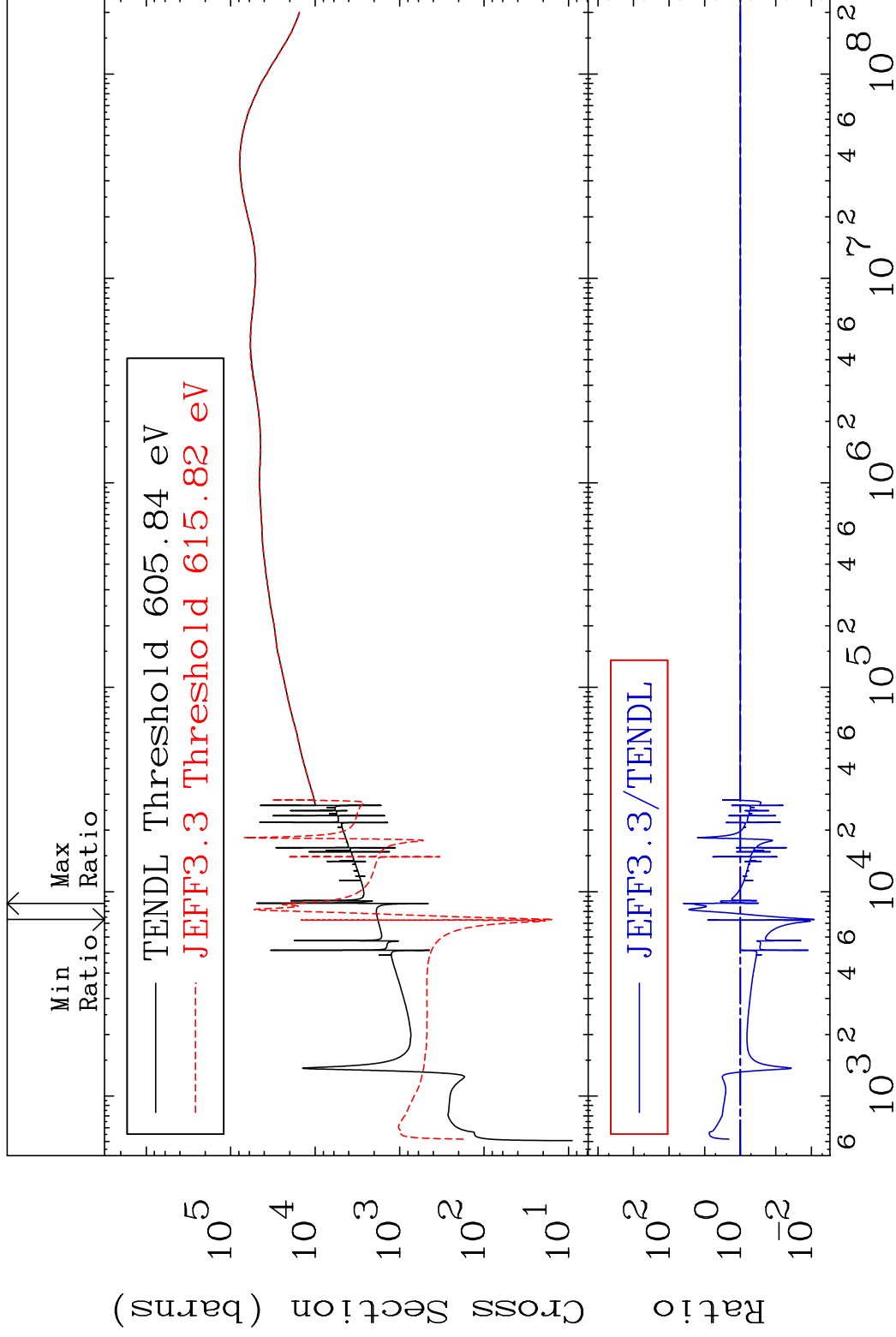
64      Incident Energy (eV)      28-Ni-63

MAT 2840

Dpa elastic (mt2)

28-Ni-63

Cross Section -99.16 To 3799. %

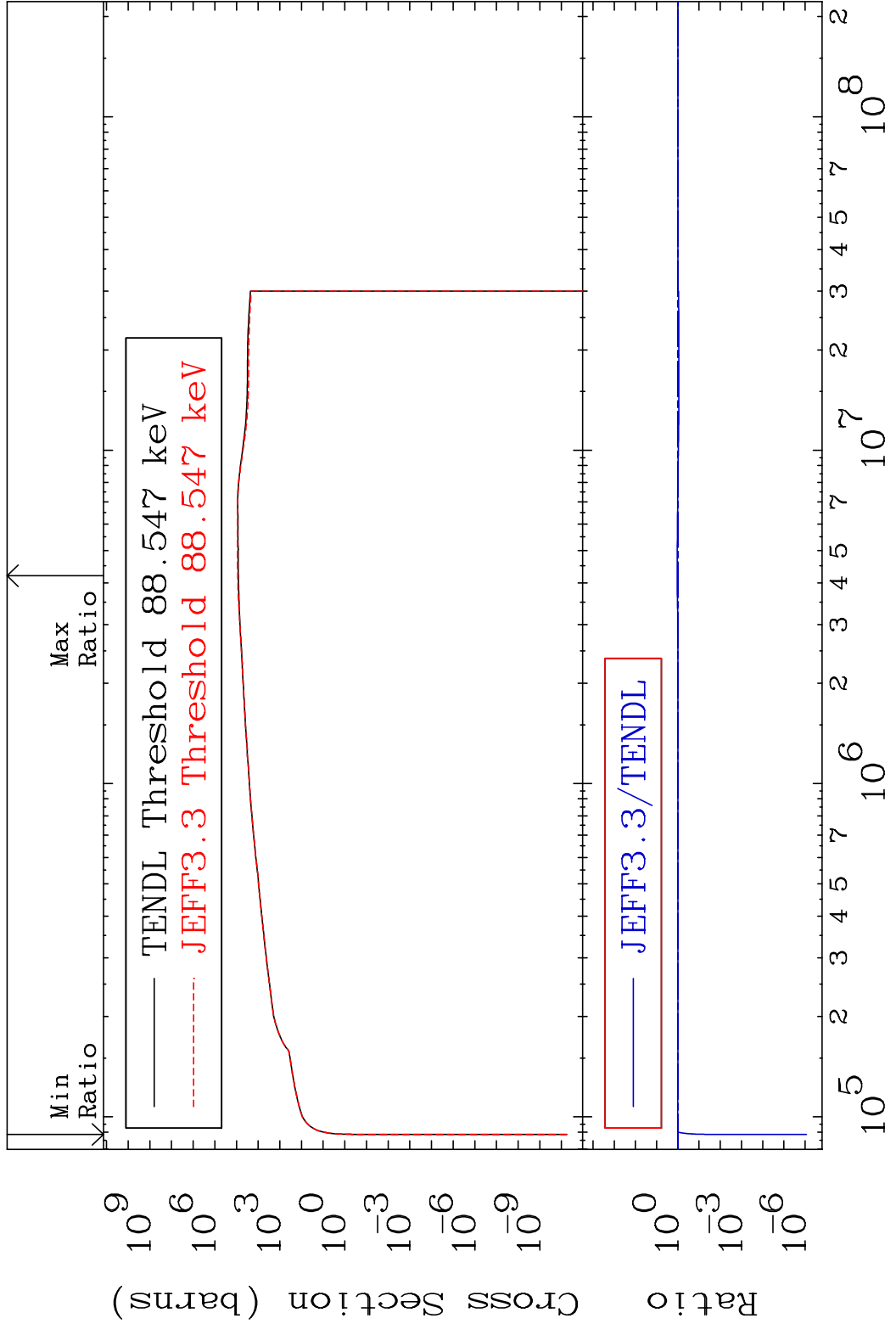


65

Incident Energy (eV)

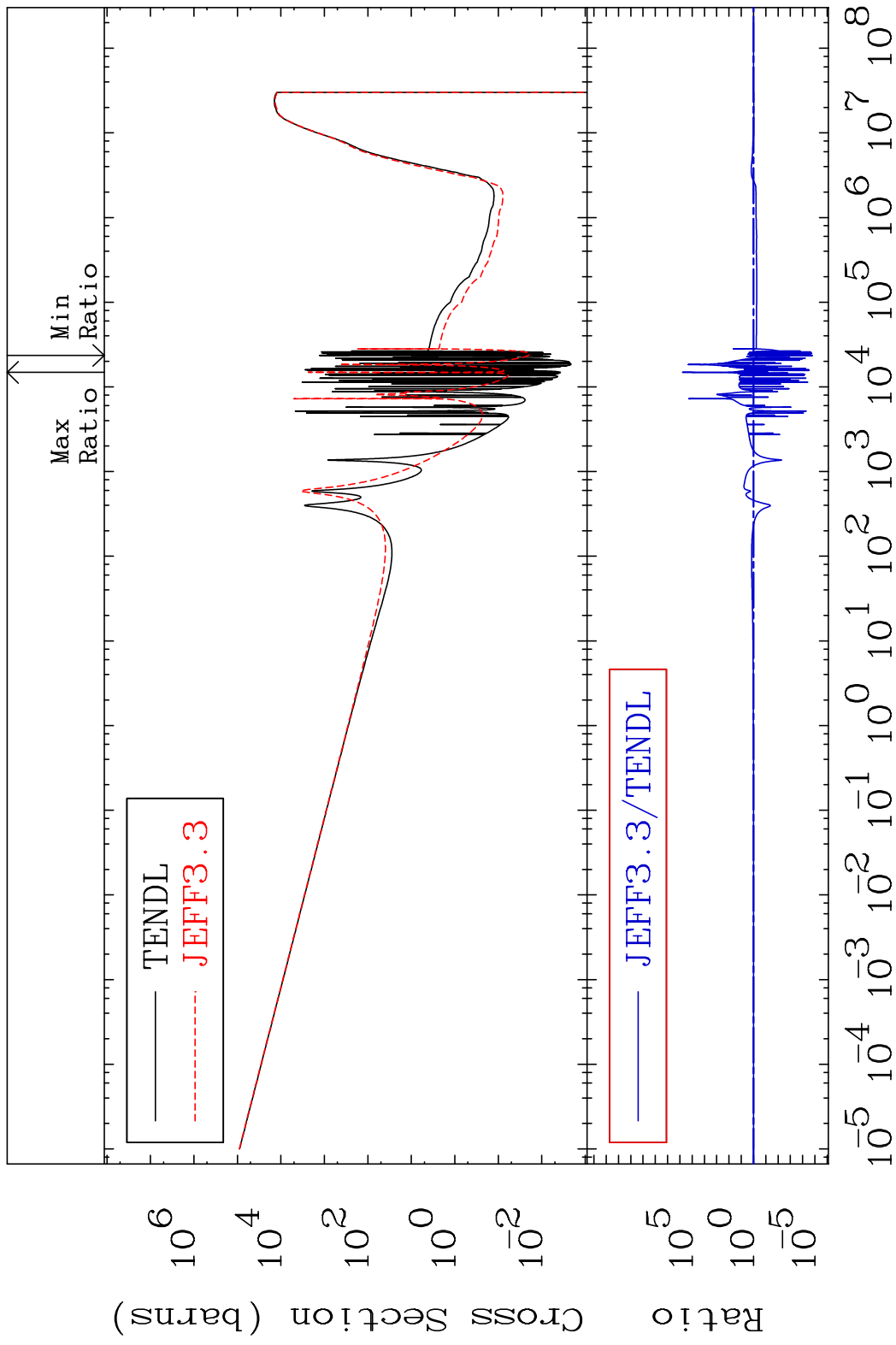
28-Ni-63

MAT 2840      Dpa inelastic (mt51-91)      28-Ni-63  
 Cross Section      -100.0 To 7.390 %

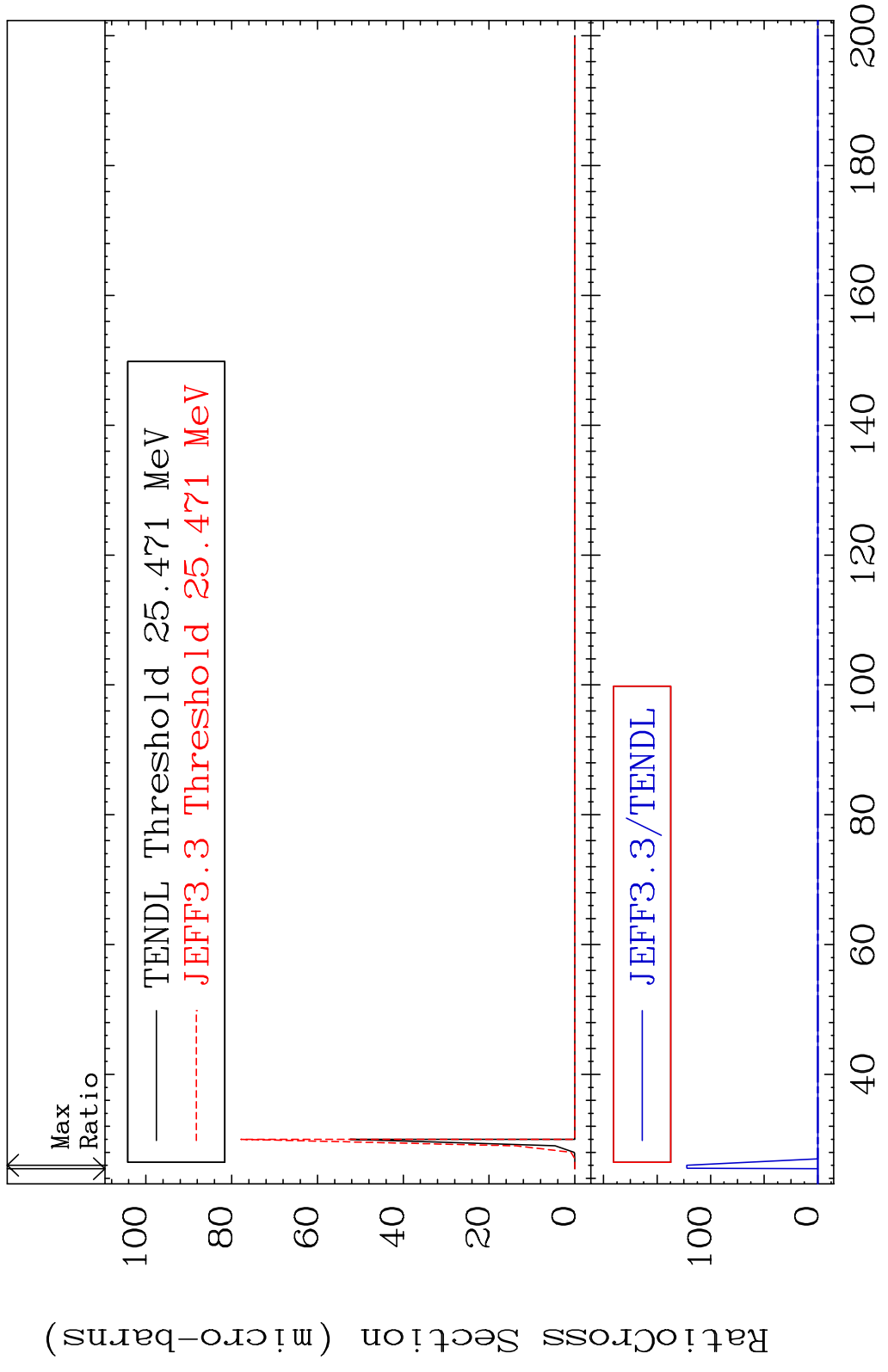


66      Incident Energy (eV)      28-Ni-63

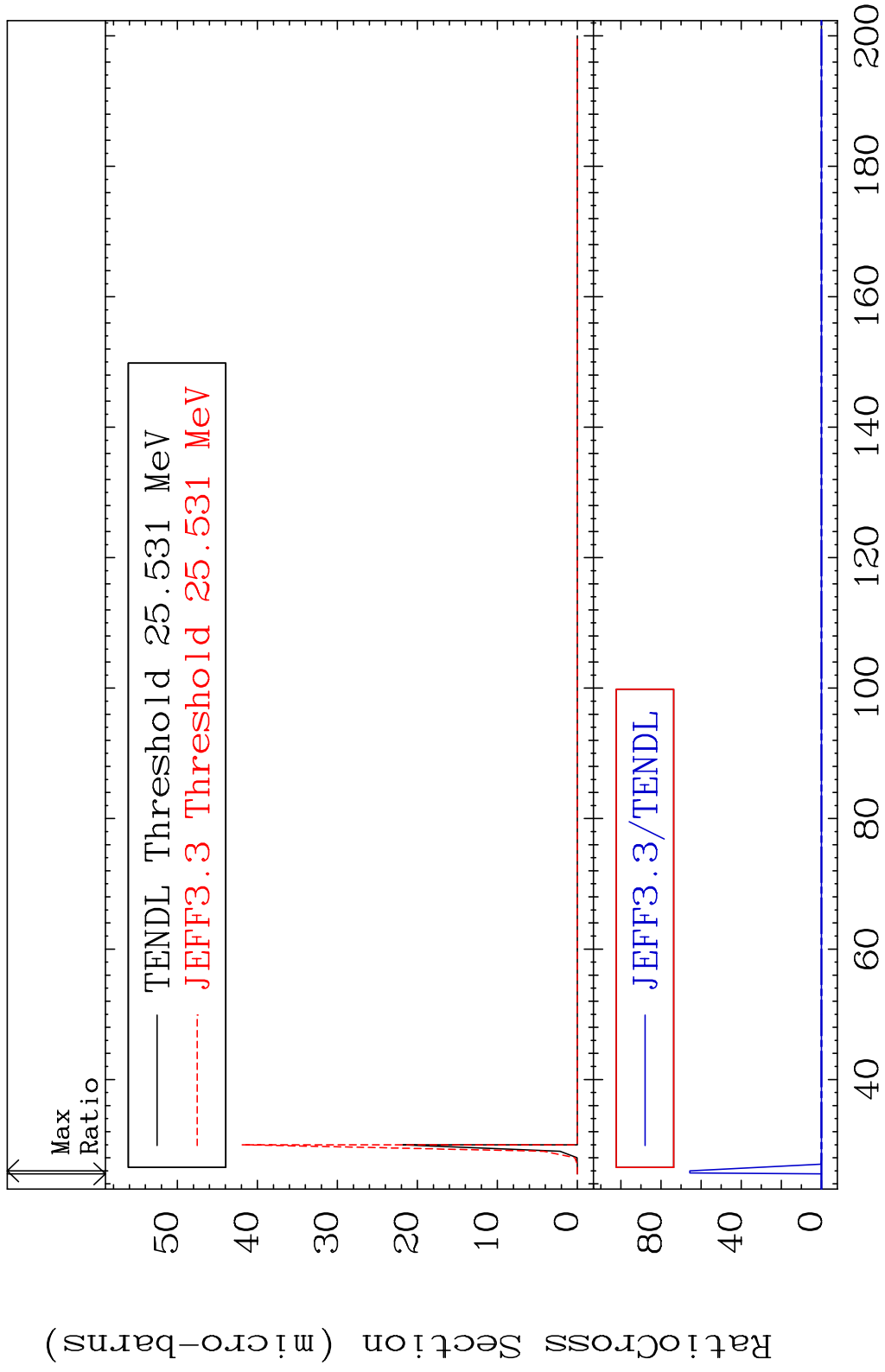
MAT 2840 Dpa disappearance (mt102 -120) 28-Ni-63  
 Cross Section -100.0 To 9999. %



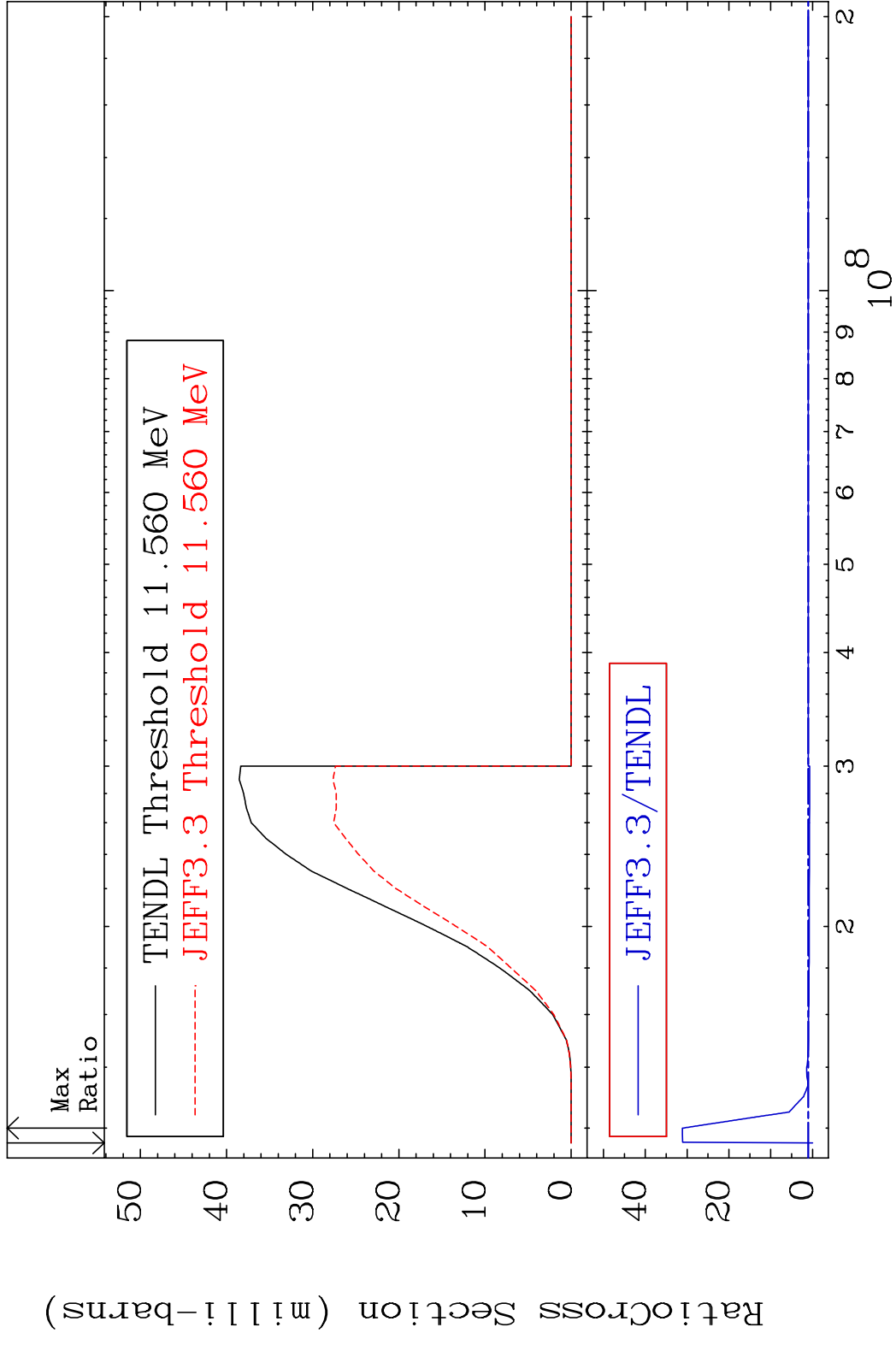
MAT 2840 (n,2n) d:27-Co-60g 28-Ni-63  
 Radionuclide Production Cross Section 100.00000000000000 %



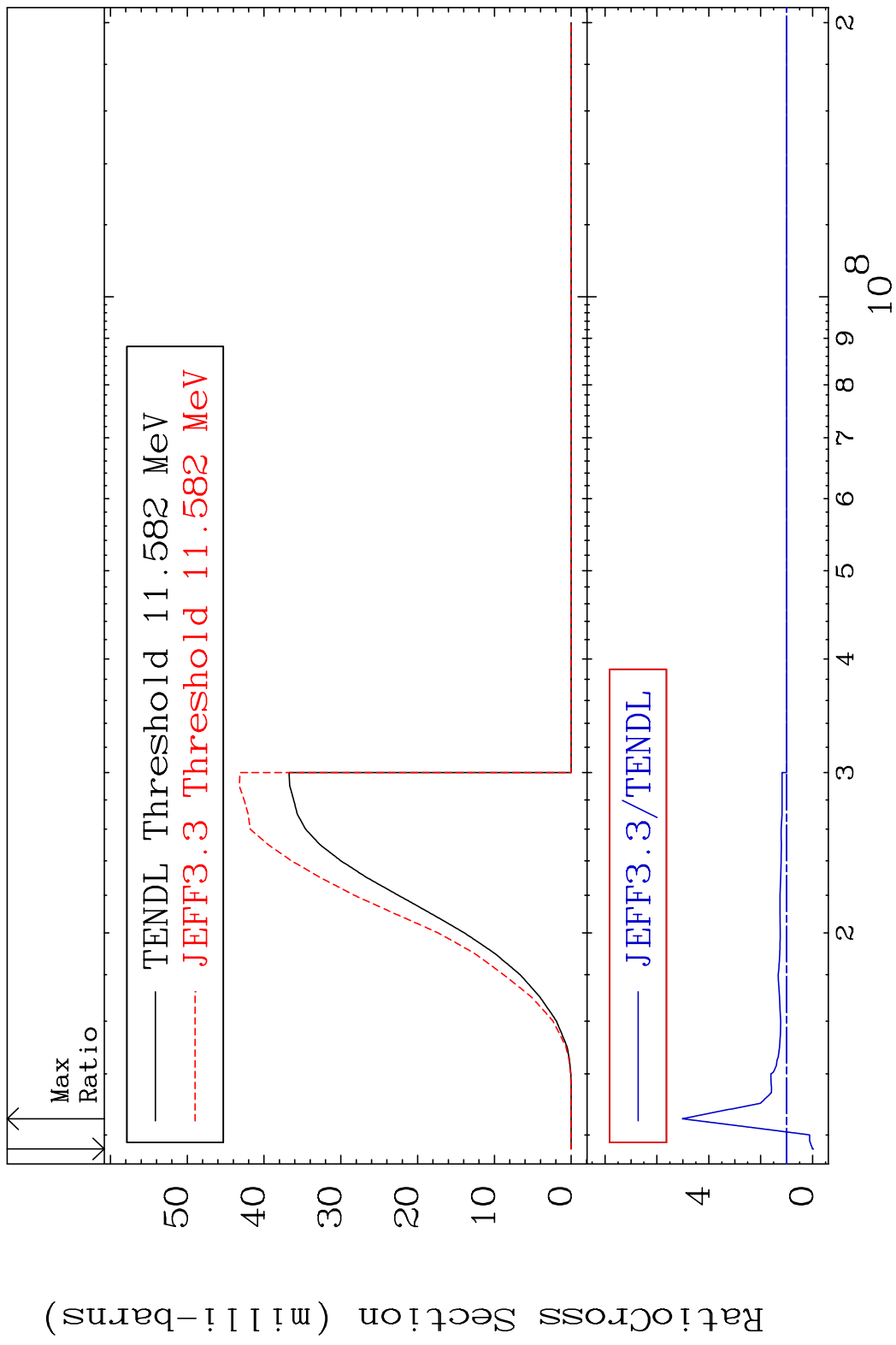
MAT 2840 (n,2n) d:27-Co-60m1 28-Ni-63  
 Radionuclide Production Cross Section Ratio 9999. %



MAT 2840 (n, n') p:27-Co-62g 28-Ni-63  
 Radionuclide Production Cross Section 1800.0 dno 3014. %

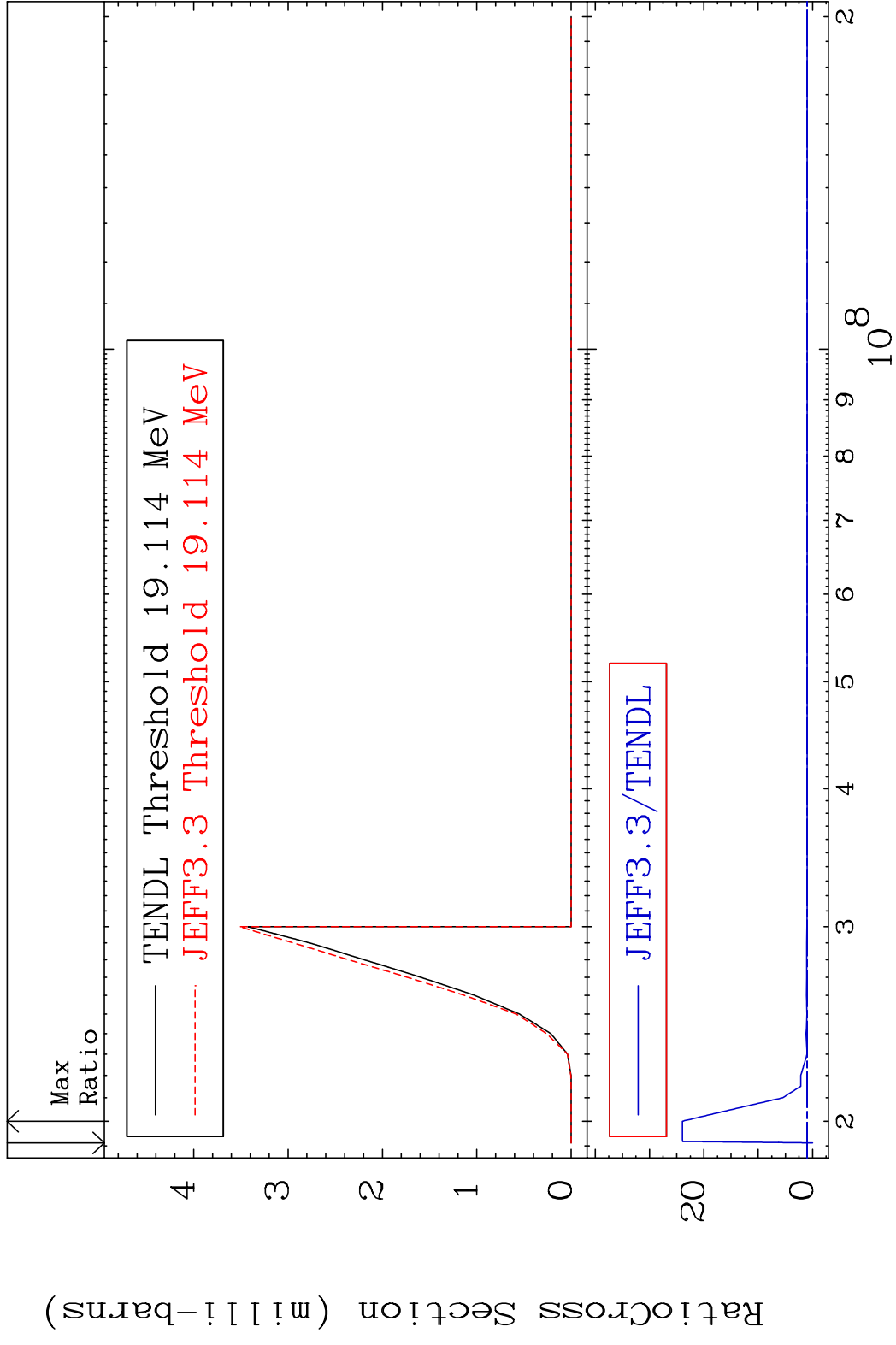


MAT 2840 (n, n') p:27-Co-62m1 28-Ni-63  
 Radionuclide Production Cross Section 401.9 %

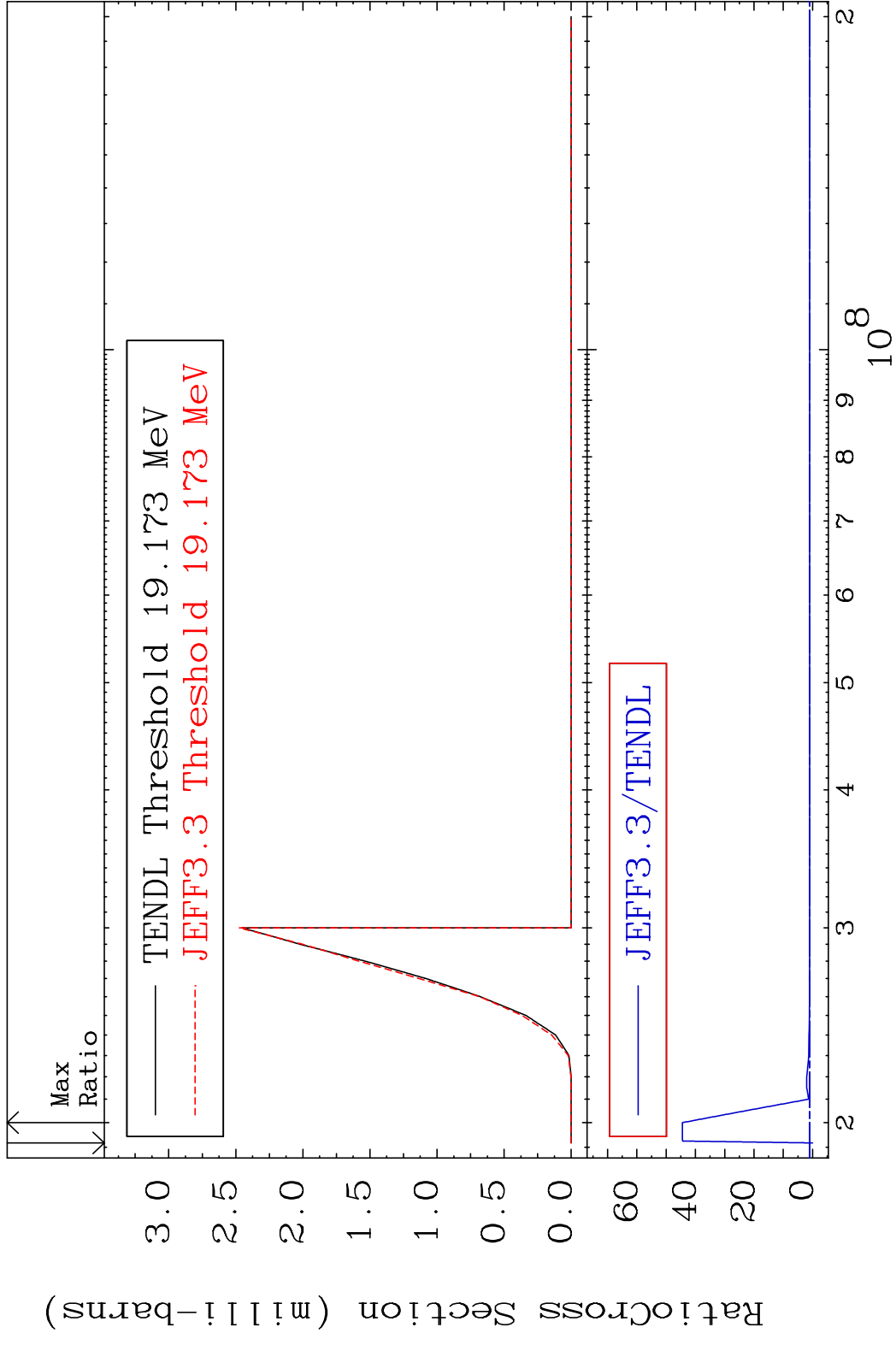




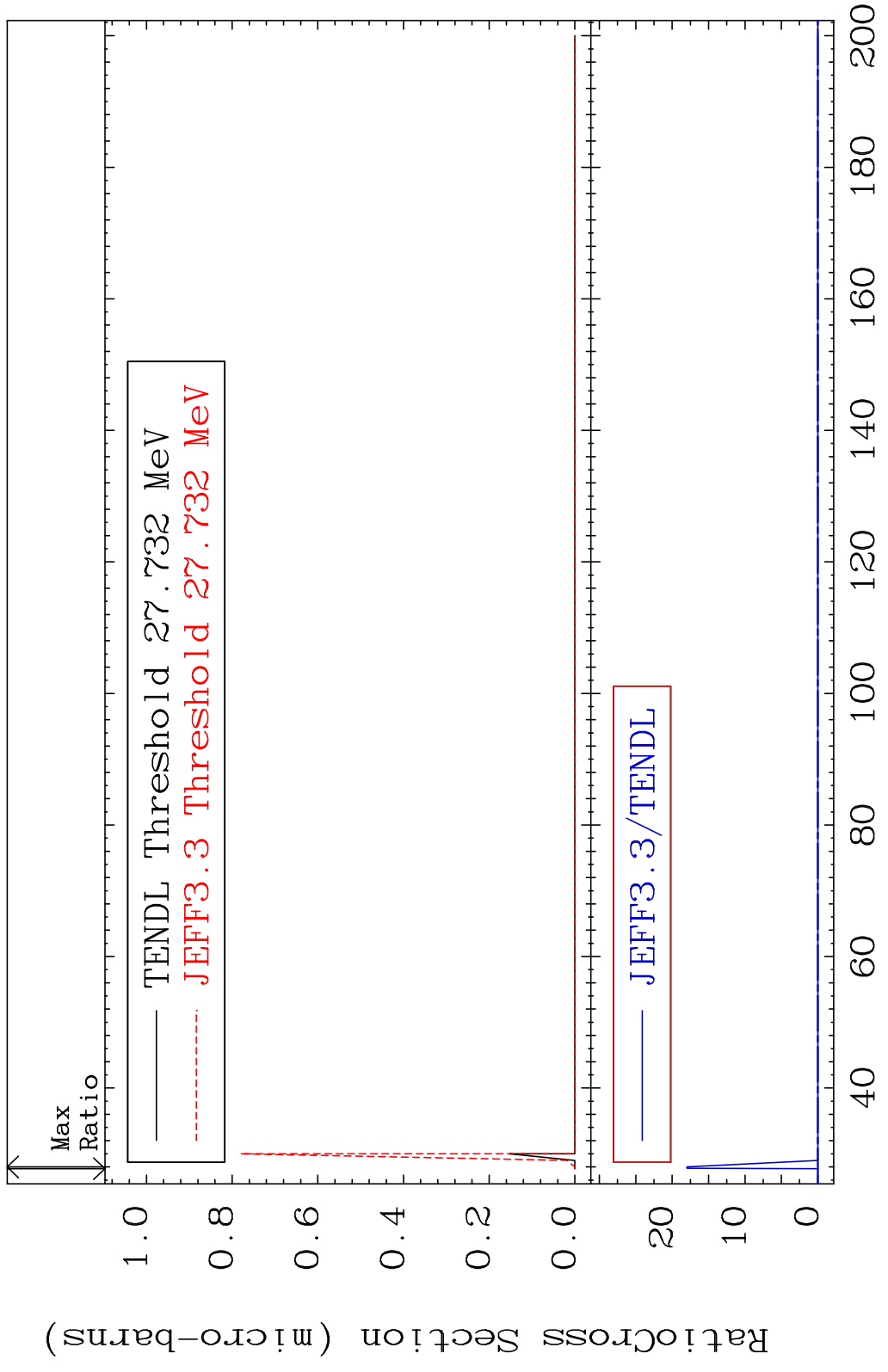
MAT 2840 (n, n') t:27-Co-60g 28-Ni-63  
 Radionuclide Production Cross Section 180.01 dth 2296. %



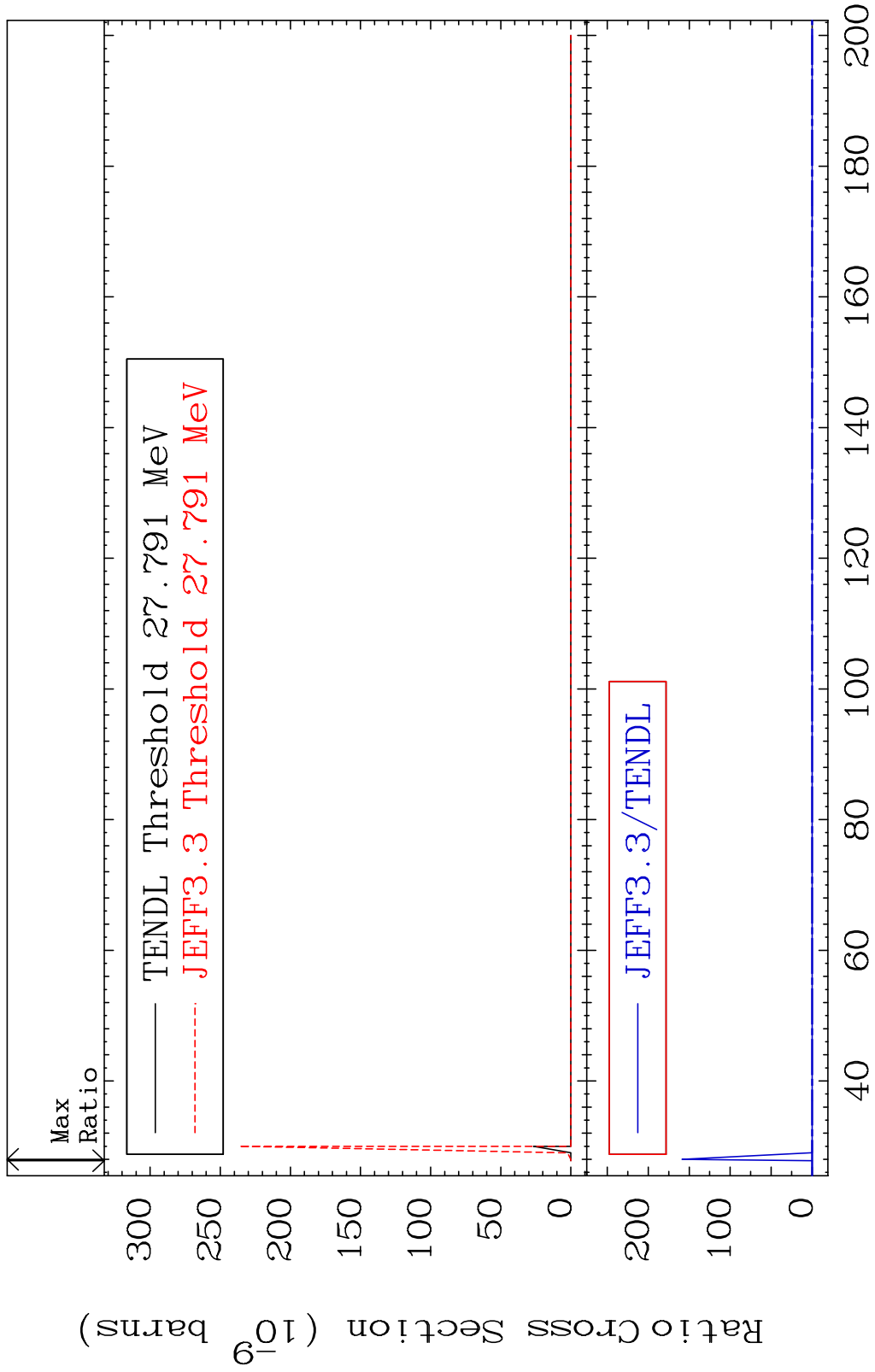
MAT 2840 (n, n') t:27-Co-60m1 28-Ni-63  
 Radionuclide Production Cross Section 180.01 d10 4347. %



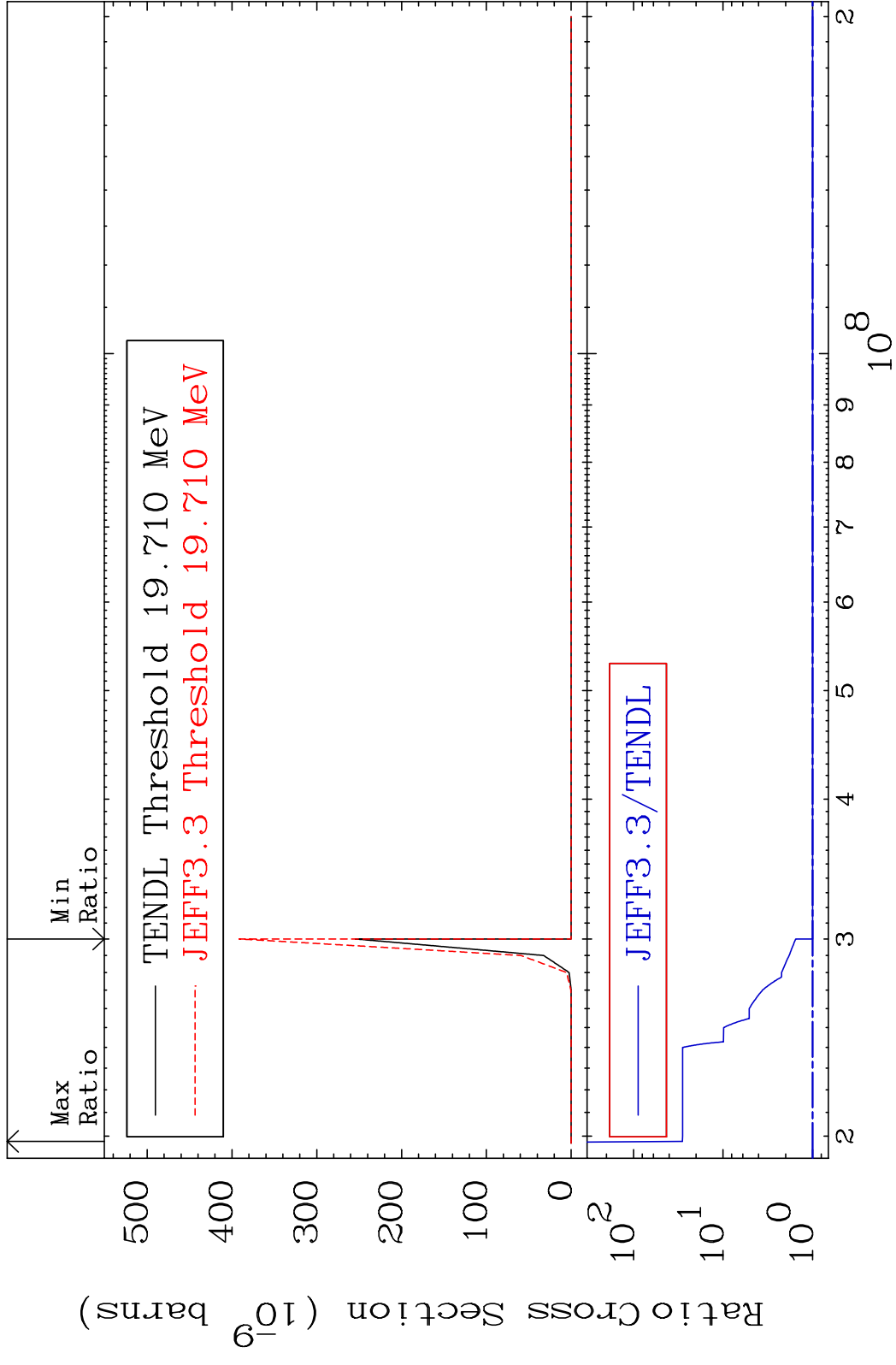
MAT 2840 (n,3n) p:27-Co-60g 28-Ni-63  
 Radionuclide Production Cross Section Ratio 9999. %



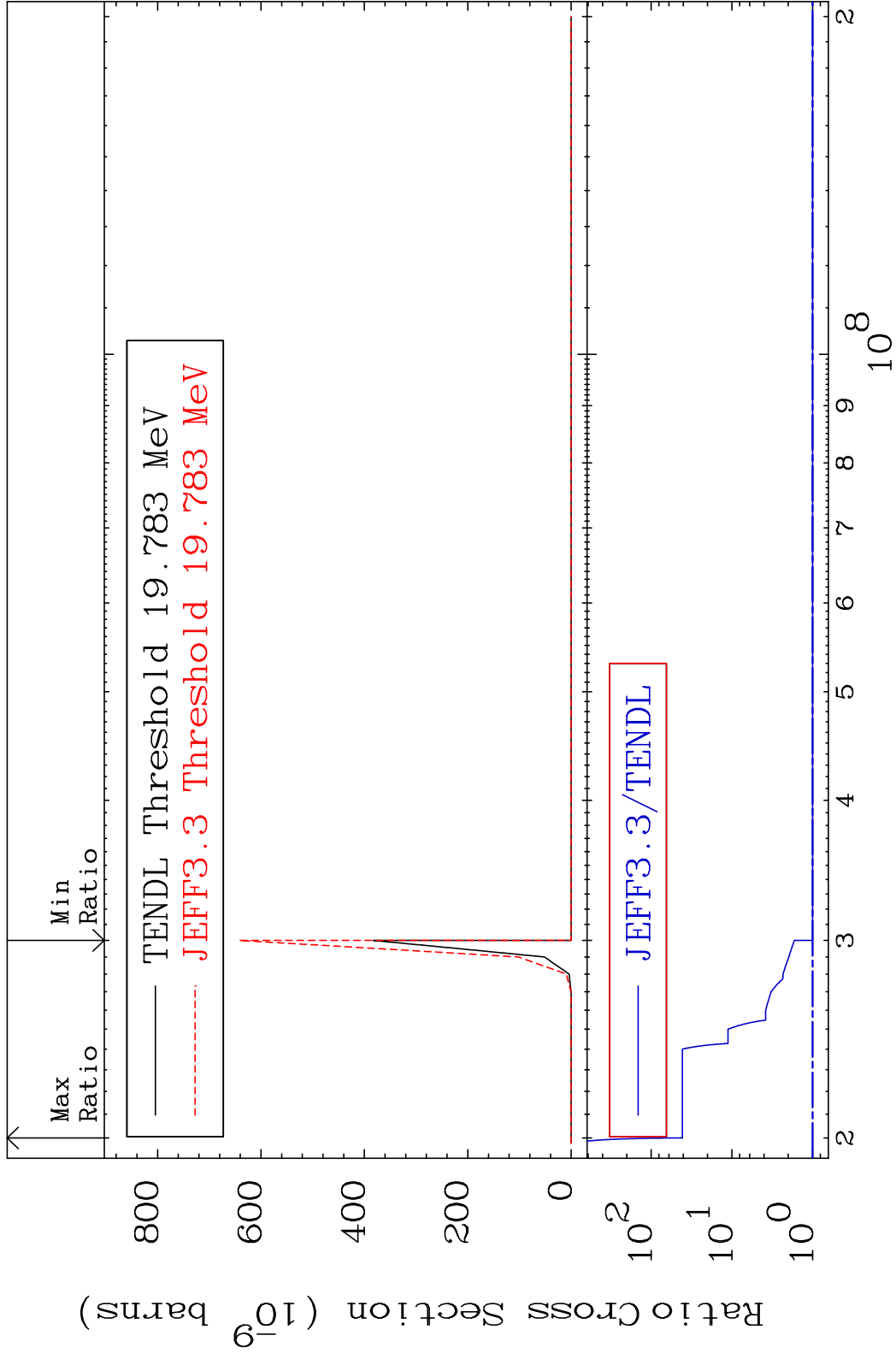
MAT 2840 (n,3n) p:27-Co-60m1 28-Ni-63  
 Radionuclide Production Cross Section Ratio 9999. %



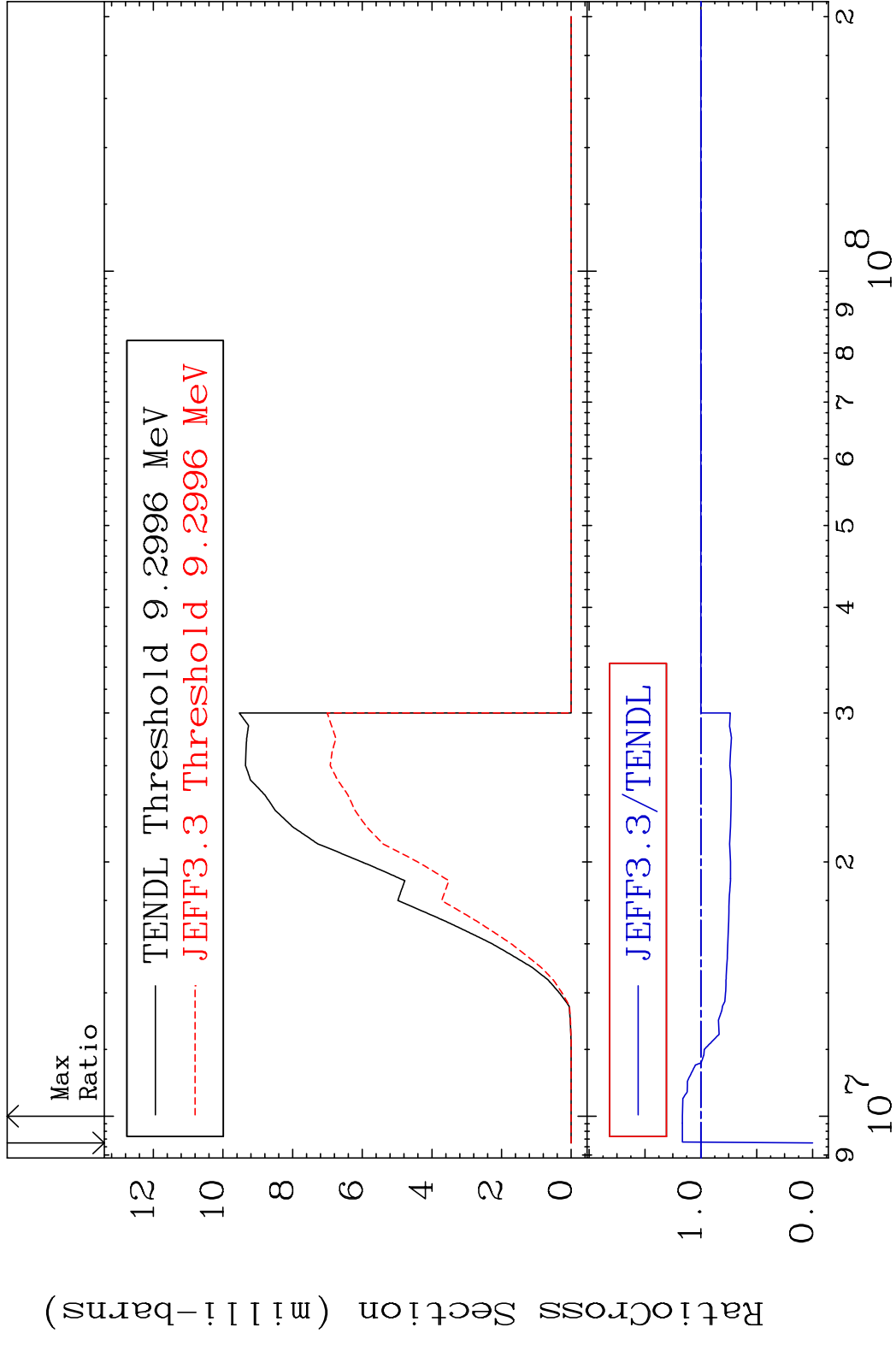
MAT 2840 (n, n') p  $\alpha$ :25-Mn-58g 28-Ni-63  
 Radionuclide Production Cross Section 2746. %



MAT 2840 (n, n') p  $\alpha$ :25-Mn-58m1 28-Ni-63  
 Radionuclide Production Cross Section 4002. %

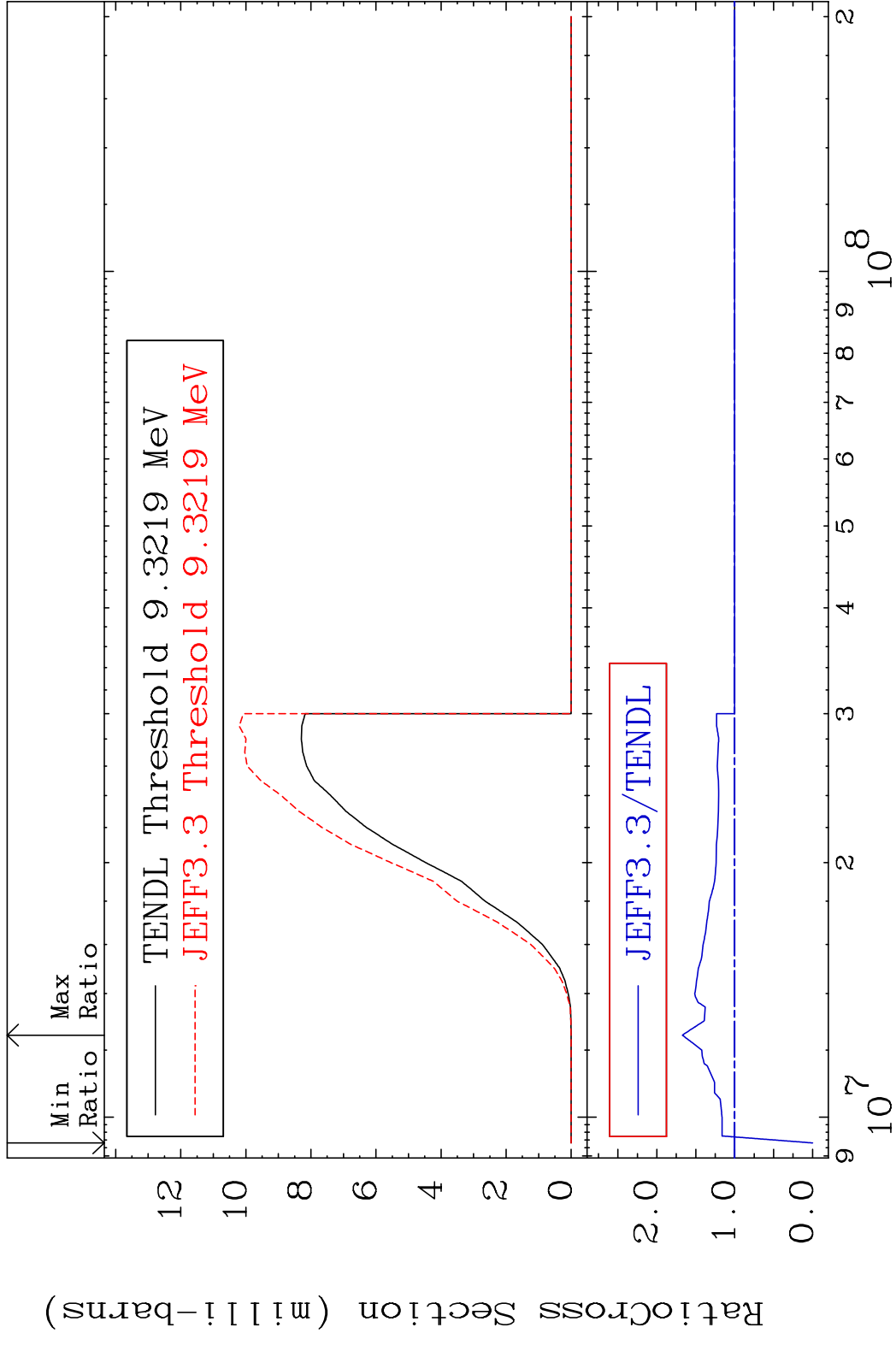


MAT 2840 (n, d): 27-Co-62g 28-Ni-63  
 Radionuclide Production Cross Section 18.00 mb 16.50 %



78 Incident Energy (eV) 28-Ni-63

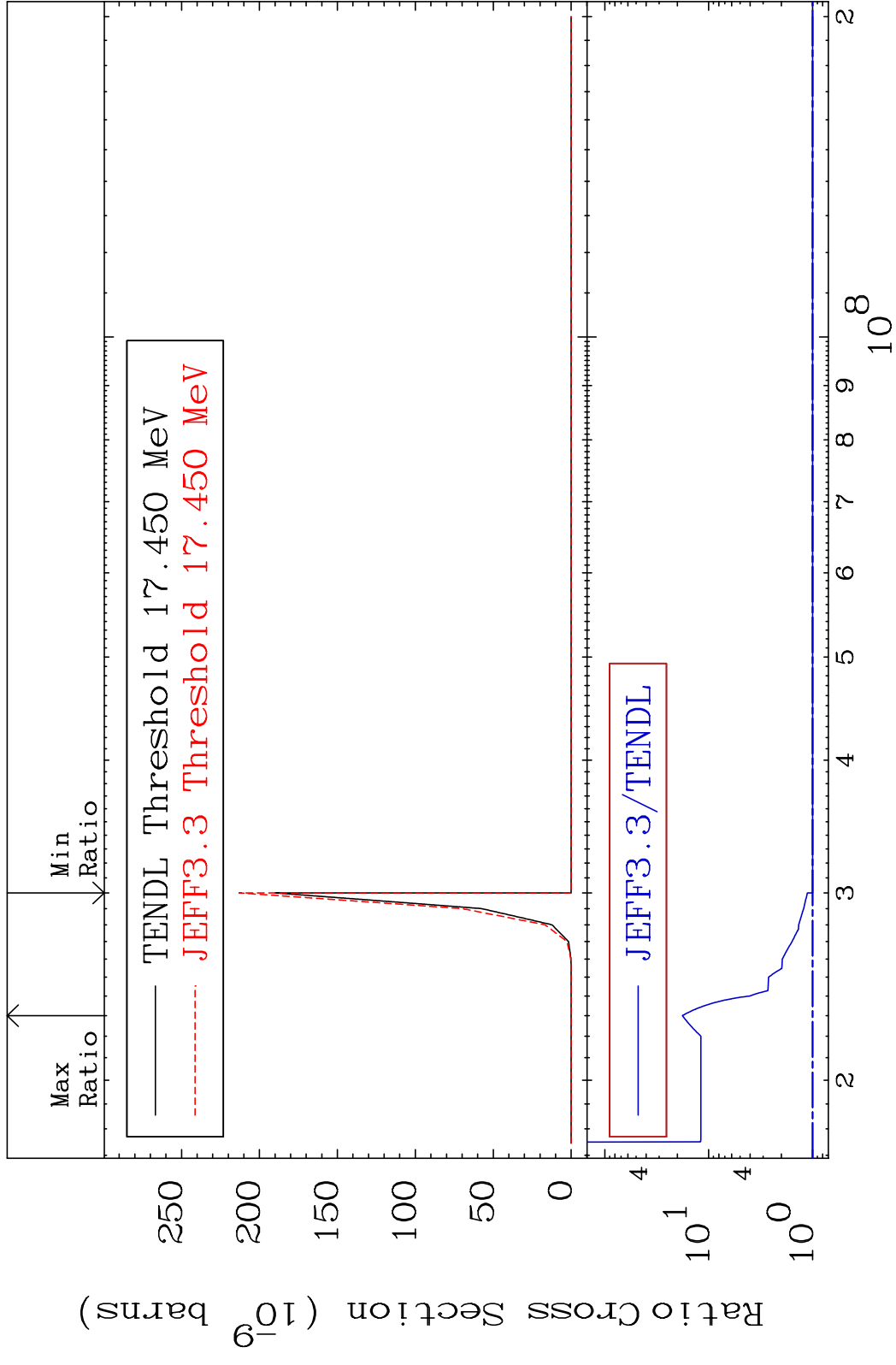
MAT 2840 (n,d):27-Co-62m1 28-Ni-63  
 Radionuclide Production Cross Section 67.22 %



79 Incident Energy (eV) 28-Ni-63



MAT 2840 (n, d)  $\alpha$ :25-Mn-58g 28-Ni-63  
 Radionuclide Production Cross Section 1695. %



80 Incident Energy (eV) 28-Ni-63

MAT 2840 (n, d)  $\alpha$ :25-Mn-58m1 28-Ni-63  
 Radionuclide Production Cross Section 1168. %

