

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

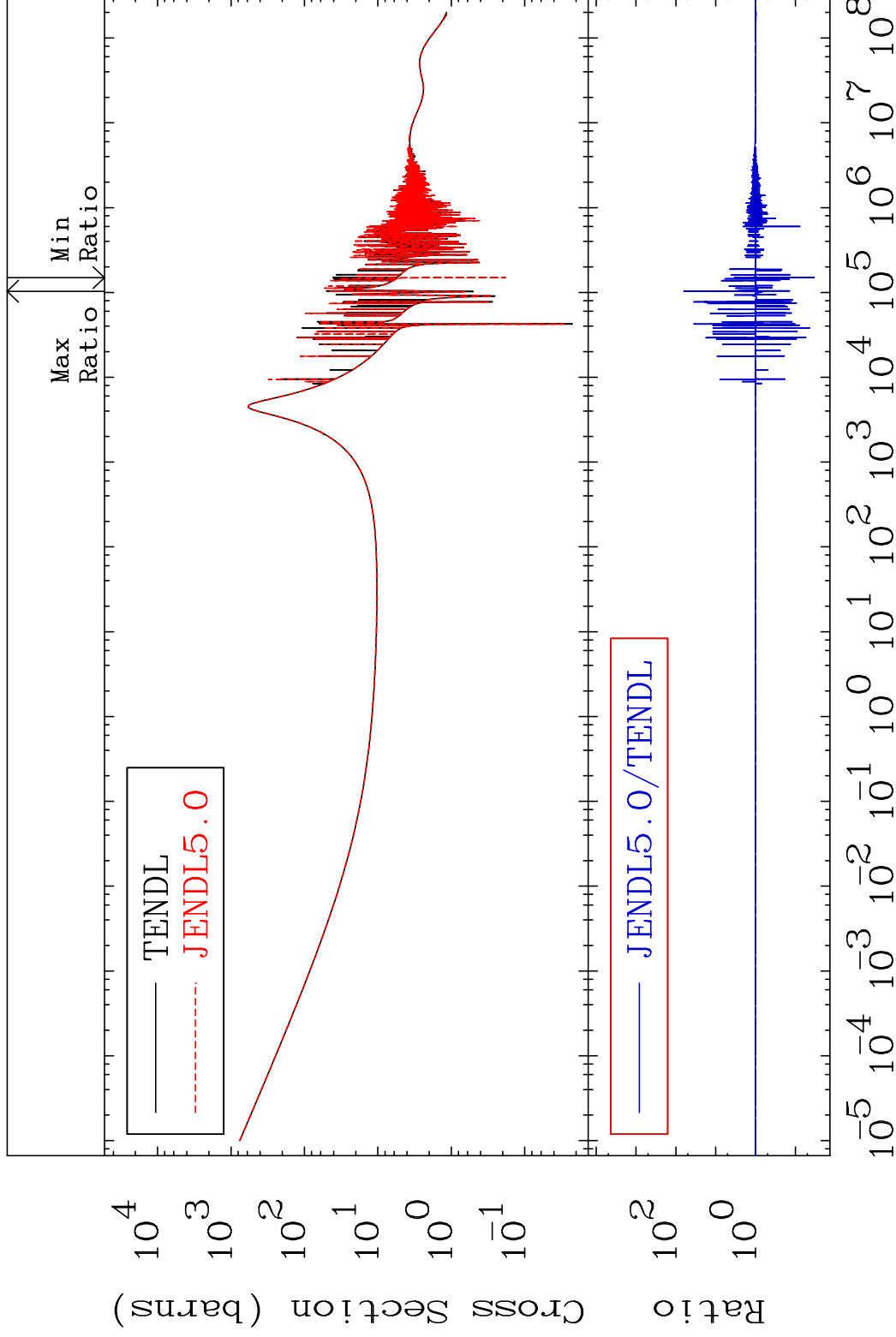
MAT 2837

Total

28-Ni-62

Cross Section

-96.62 To 6268. %



1

Incident Energy (eV)

28-Ni-62

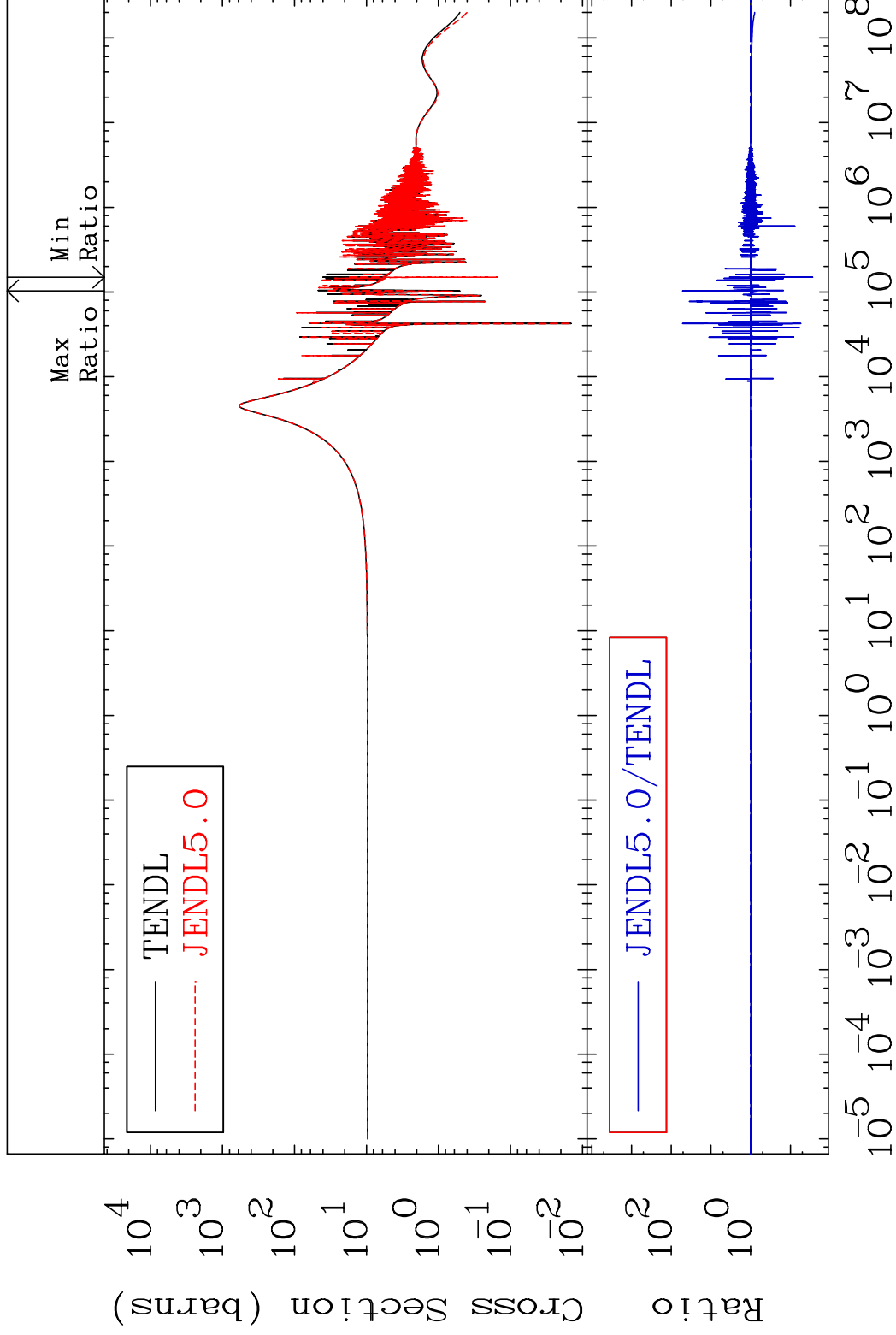
MAT 2837

Elastic

28-Ni-62

Cross Section

-97.23 To 5147. %



2

Incident Energy (eV)

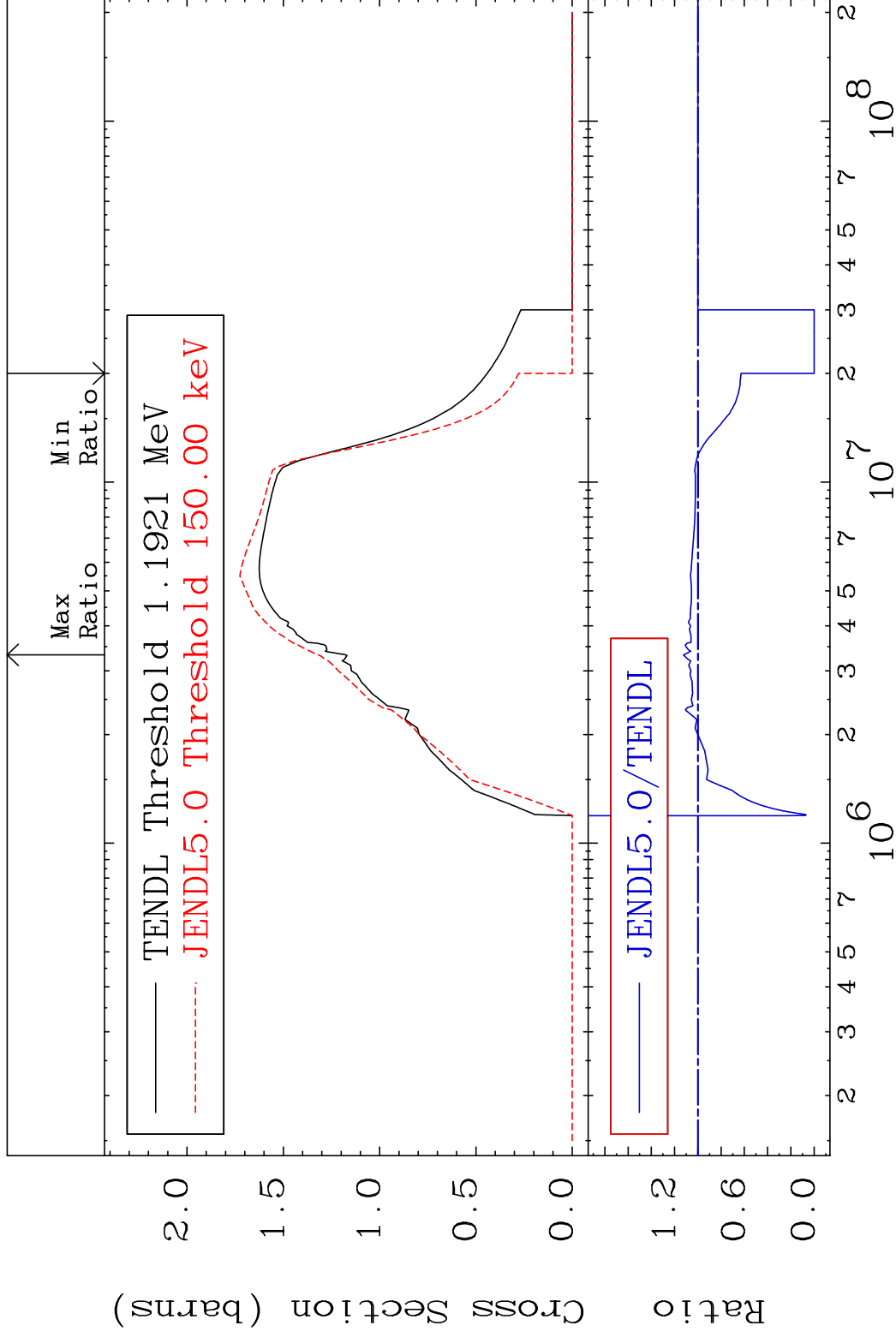
28-Ni-62

MAT 2837

Inelastic

$^{28}\text{Ni-62}$

Cross Section -100.0 To 12.19 %

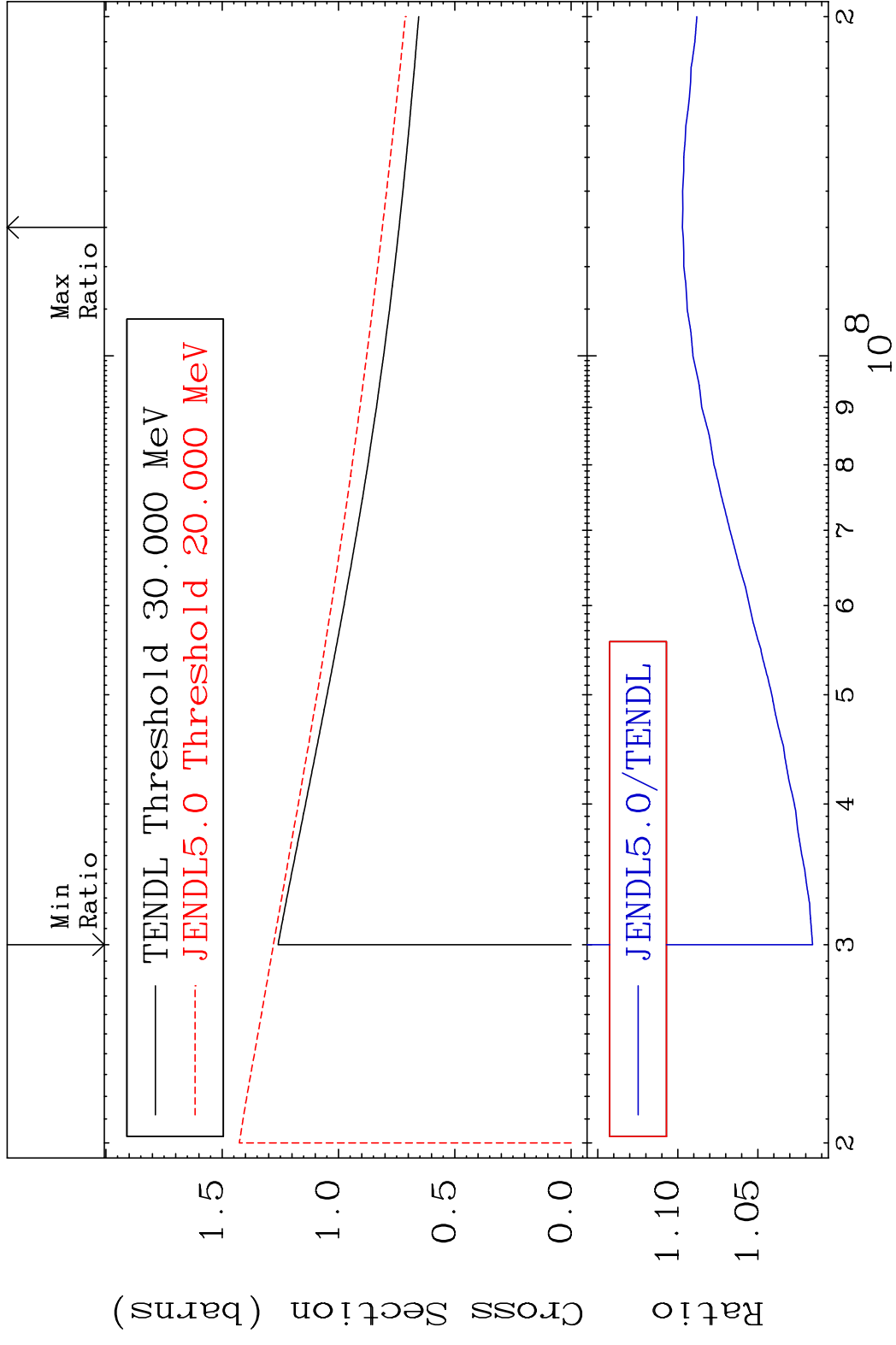


3

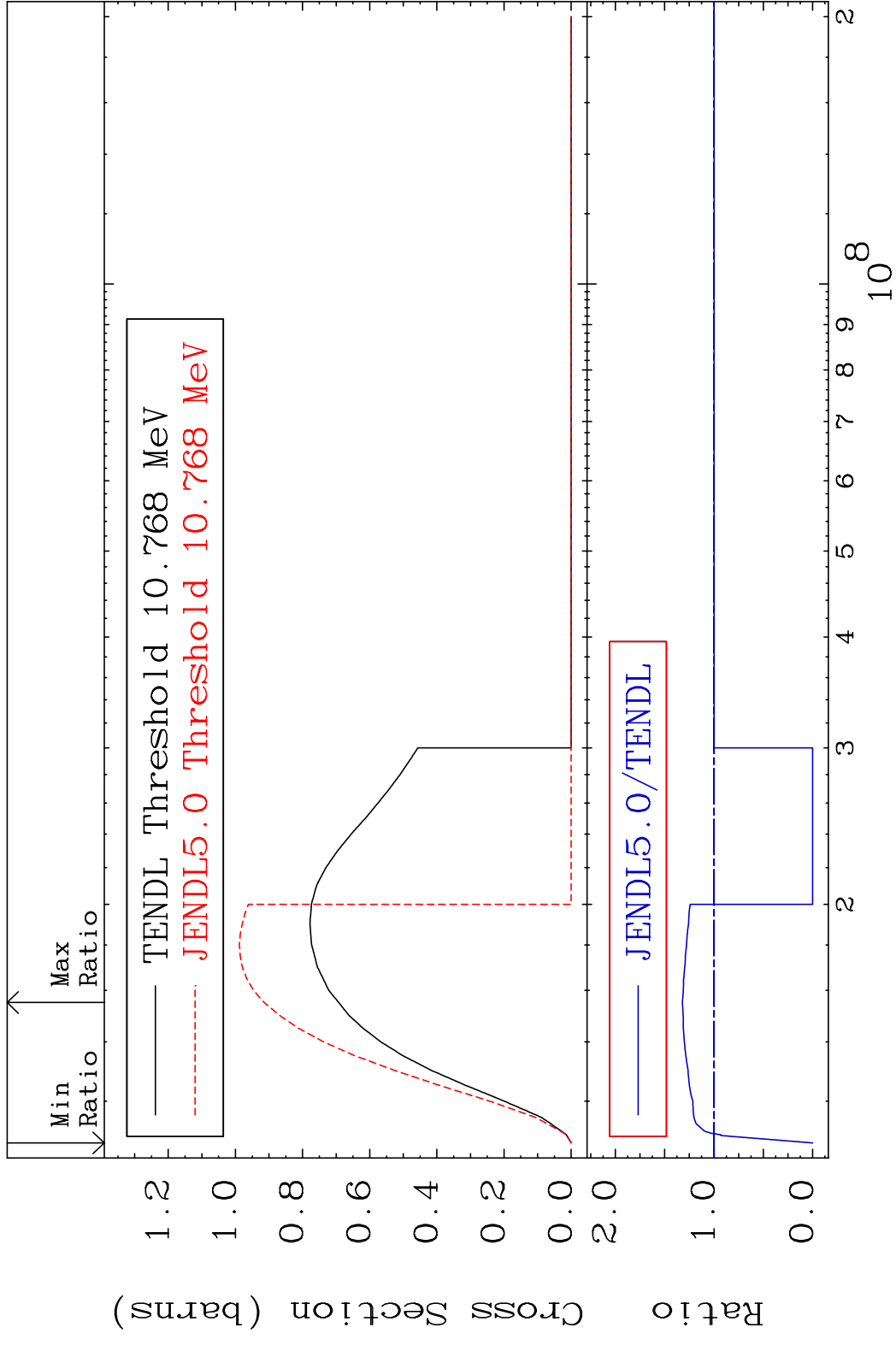
Incident Energy (eV)

$^{28}\text{Ni-62}$

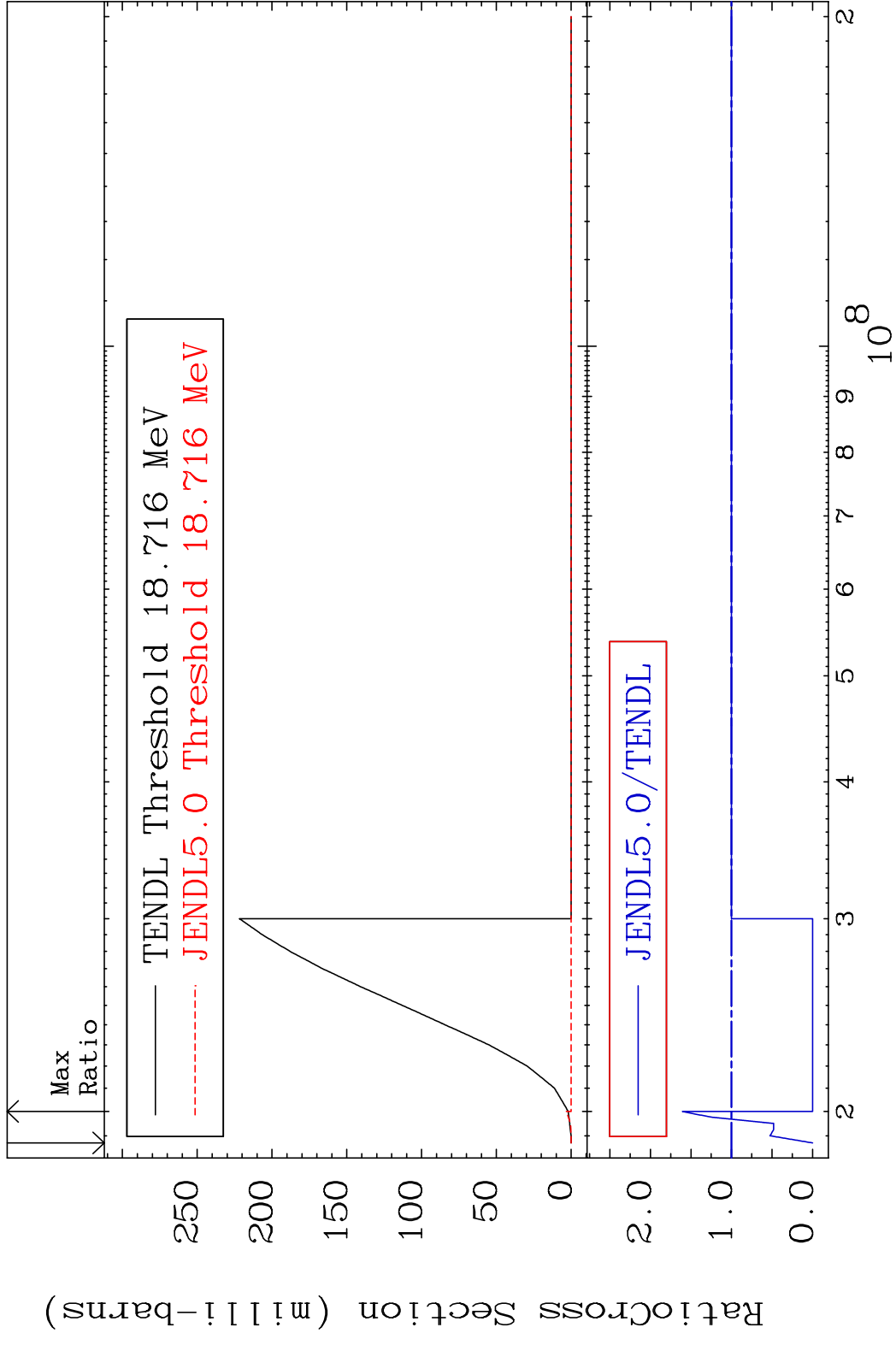
MAT 2837 (n, remainder) 28-Ni-62
 Cross Section 1.576 To 9.715 %



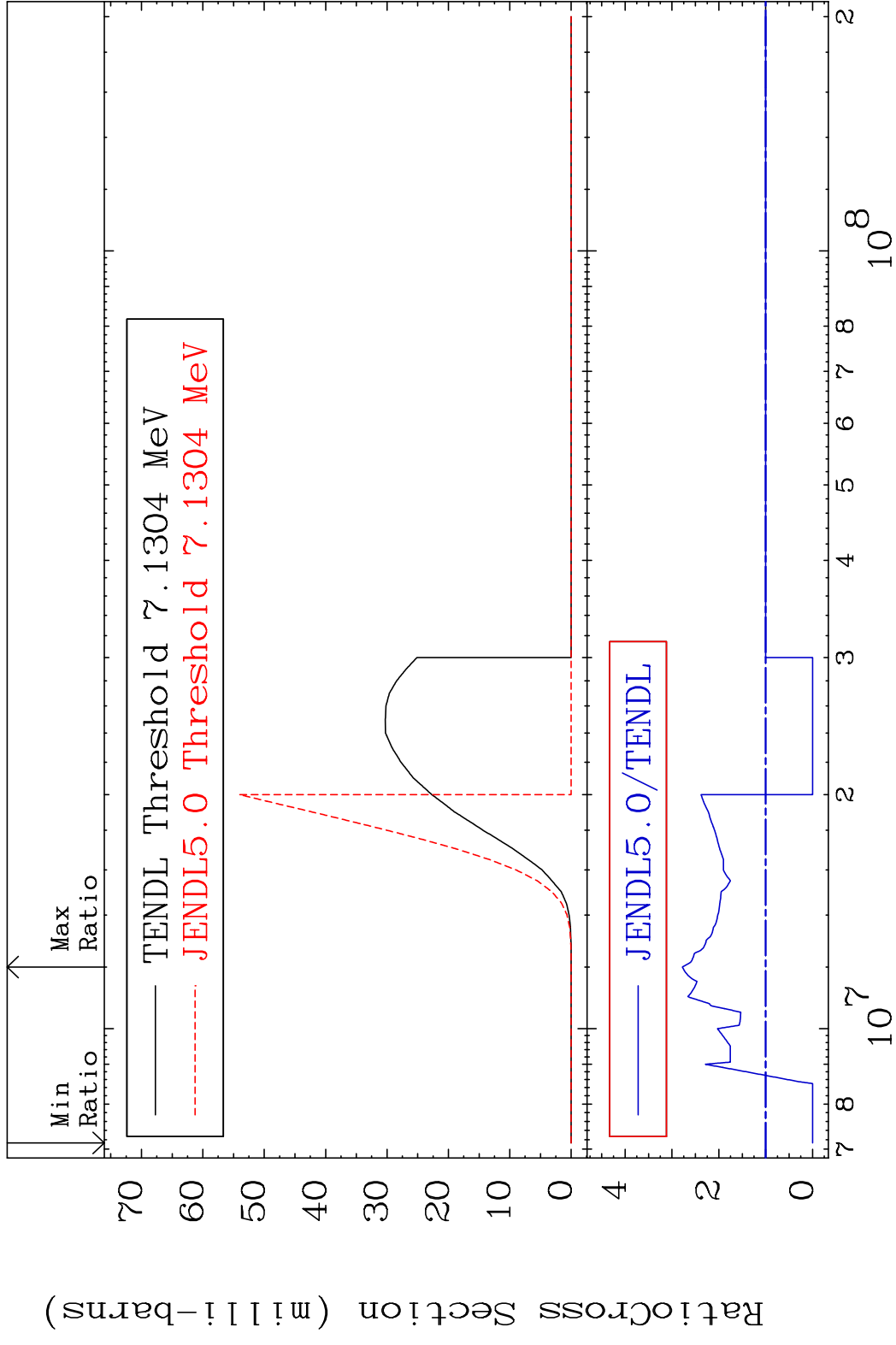
MAT 2837 (n,2n) 28-Ni-62
 Cross Section -100.0 To 32.07 %



MAT 2837 (n,3n) 28-Ni-62
 Cross Section -100.0 To 60.62 %

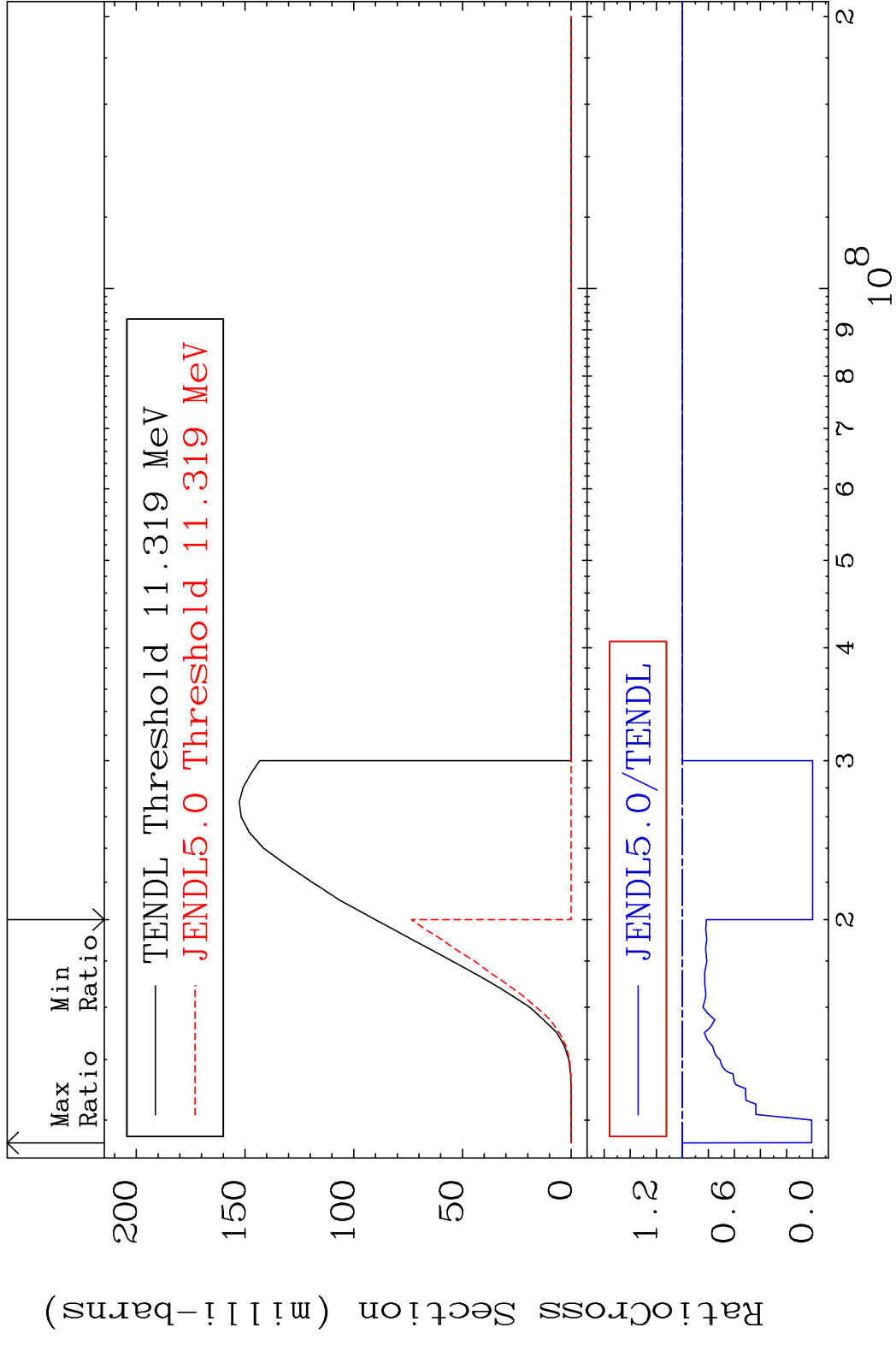


MAT 2837 (n, n') α 28-Ni-62
 Cross Section -100.0 To 177.9 %

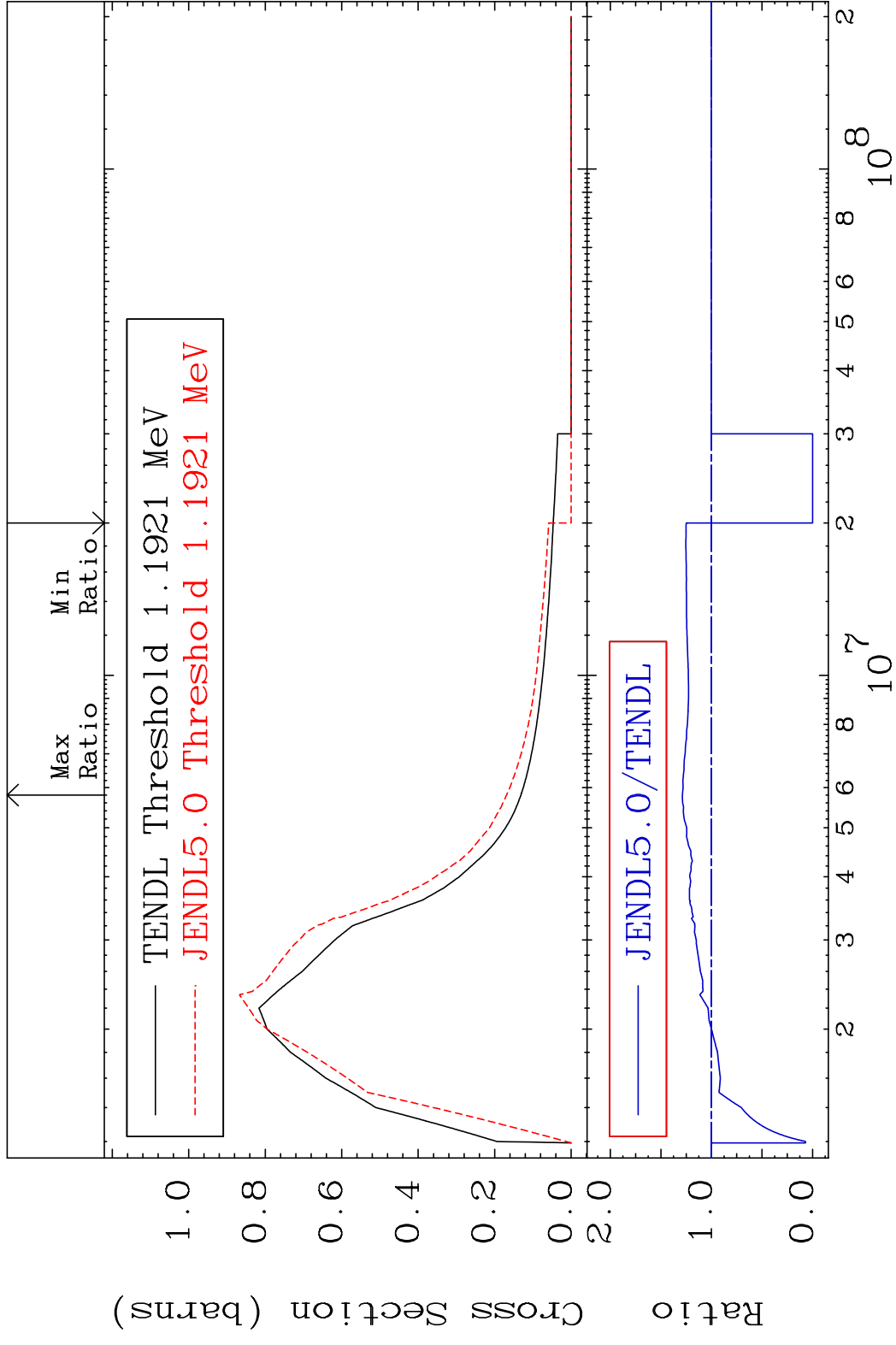


7 Incident Energy (eV) 28-Ni-62

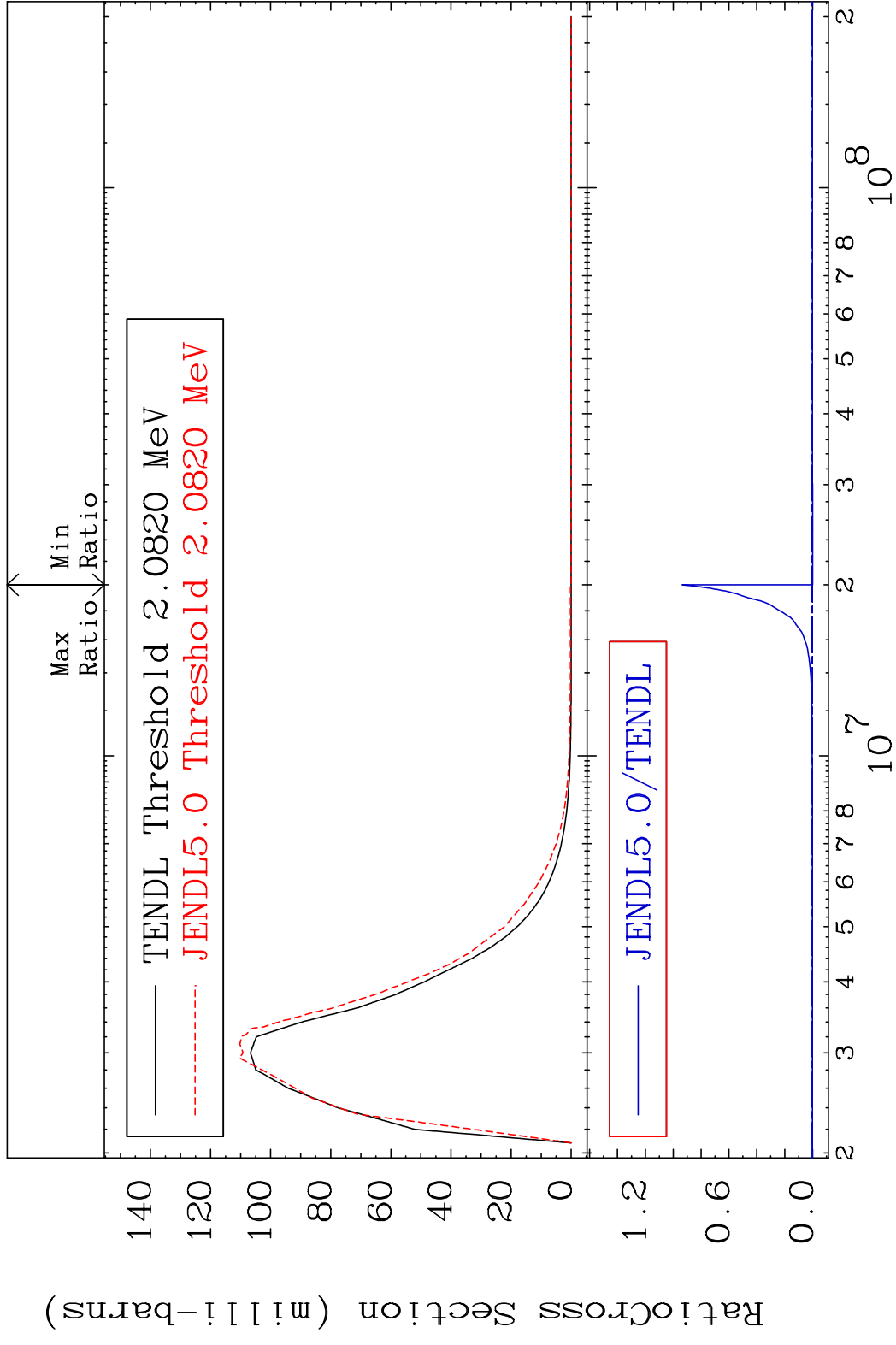
MAT 2837 (n, n') p 28-Ni-62
 Cross Section -100.0 To 0.000 %



MAT 2837 MT= 51 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 28.77 %

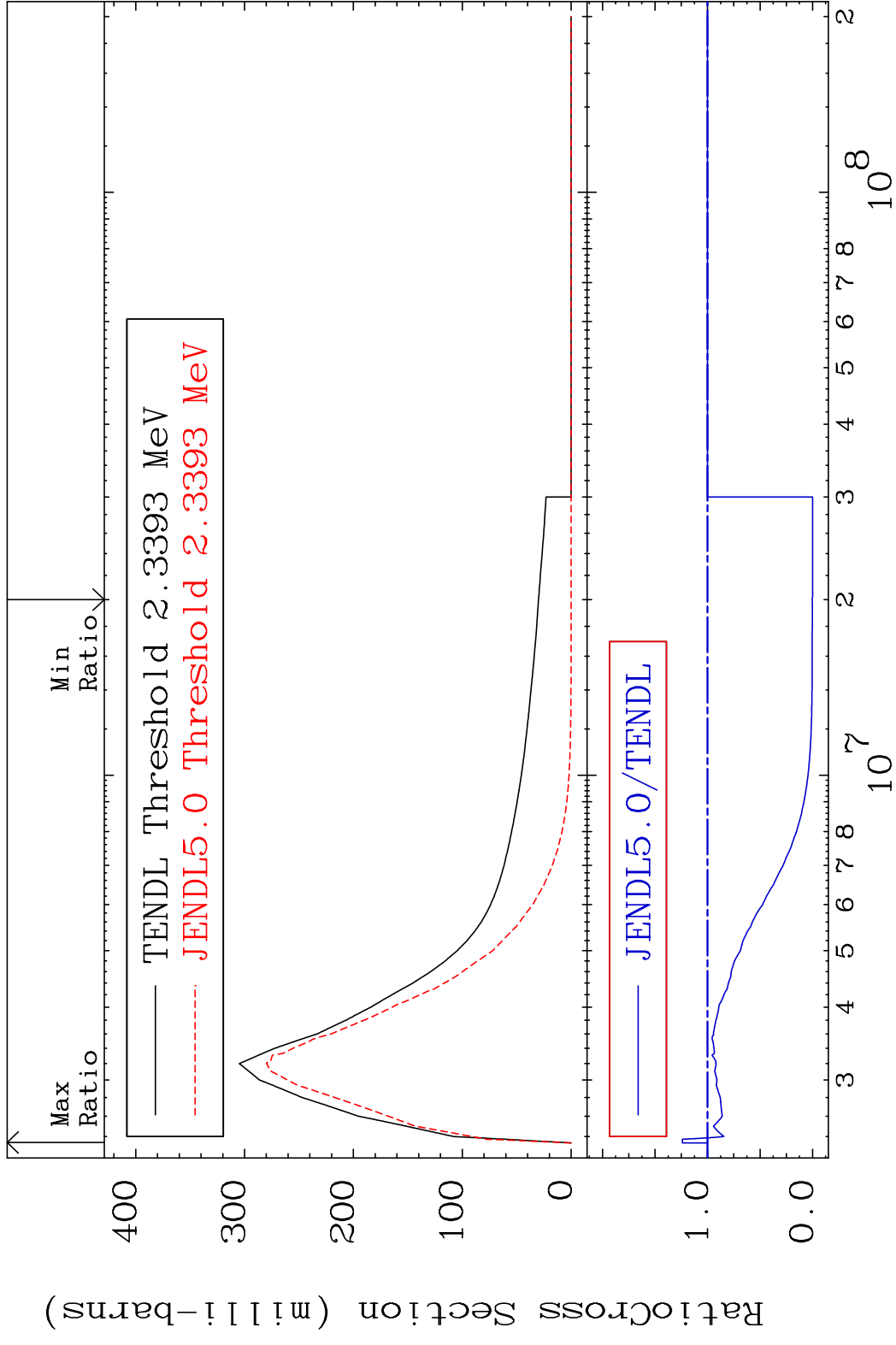


MAT 2837 MT= 52 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 9999. %

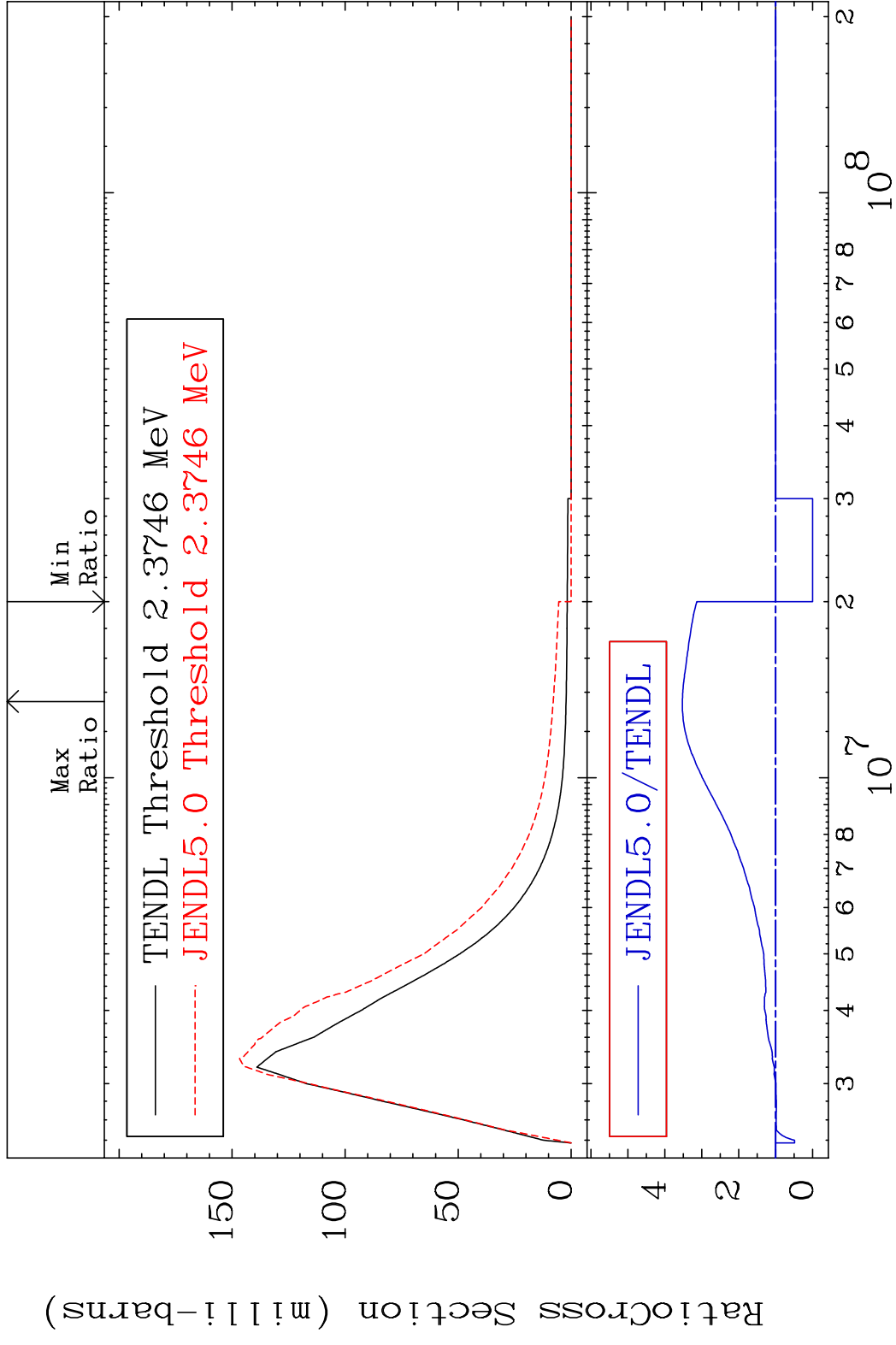


10 Incident Energy (eV) 28-Ni-62

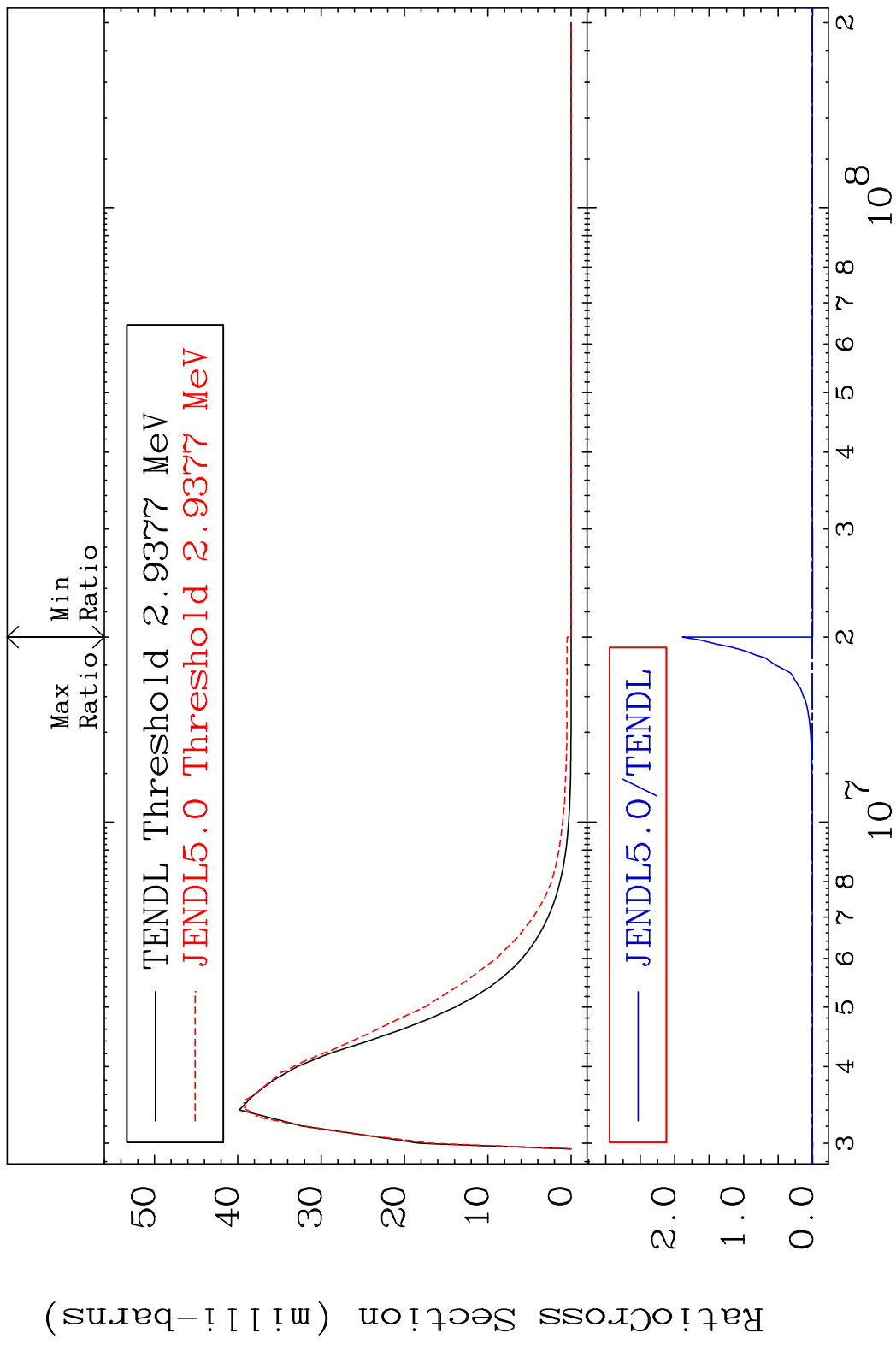
MAT 2837 MT= 53 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 23.99 %



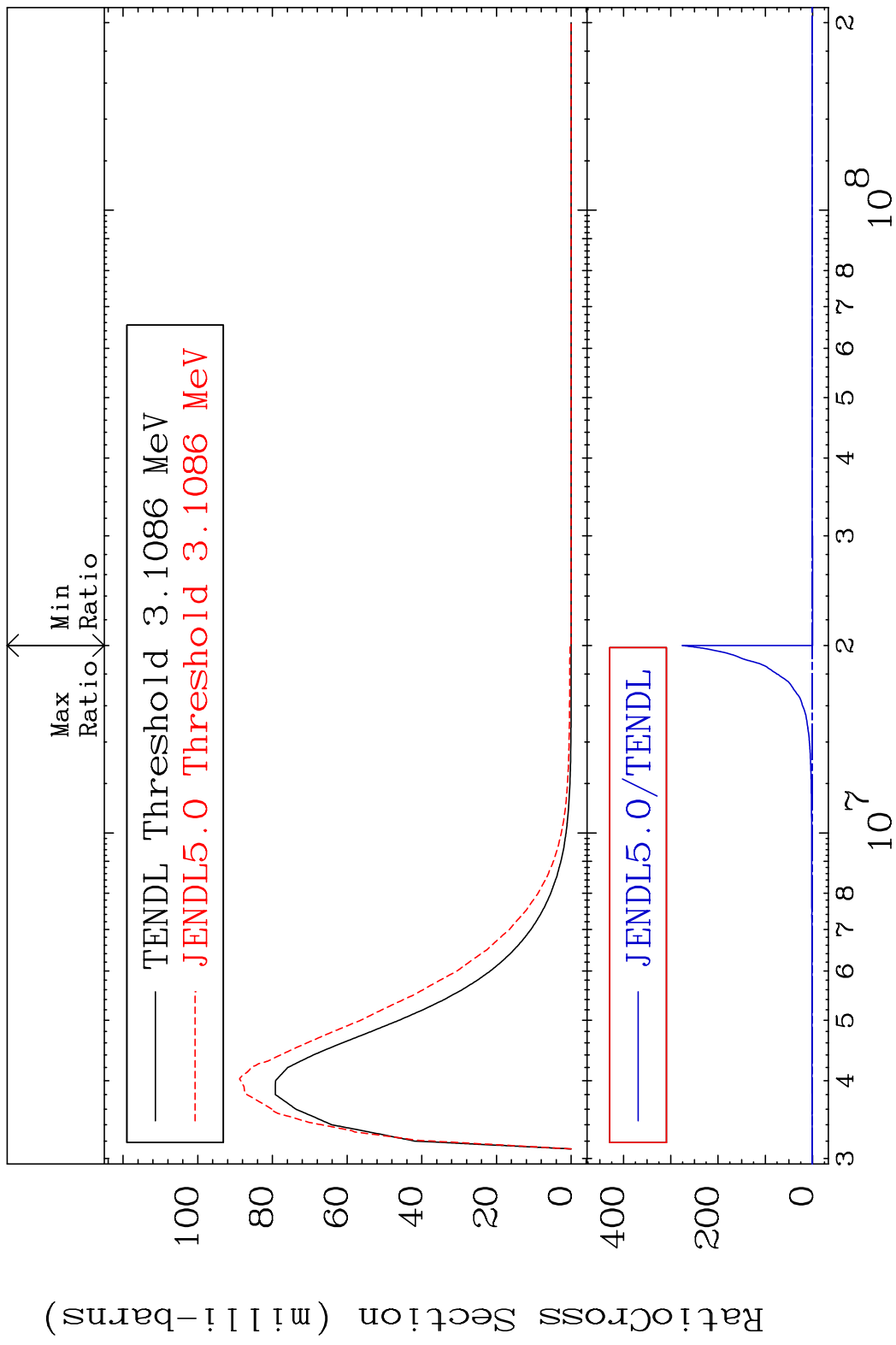
MAT 2837 MT= 54 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 252.5 %



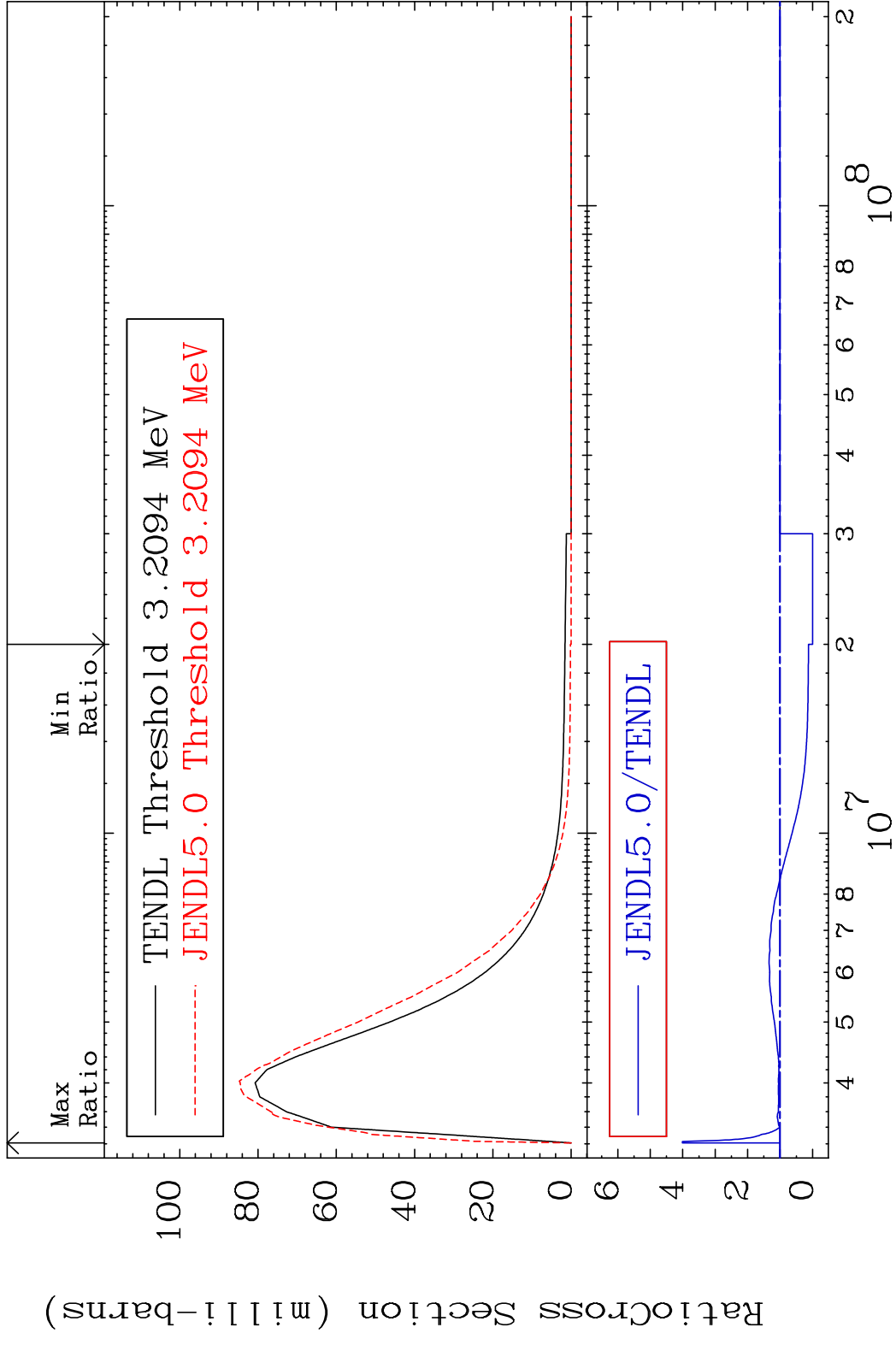
MAT 2837 MT= 55 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 9999. %



MAT 2837 MT= 56 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 9999. %

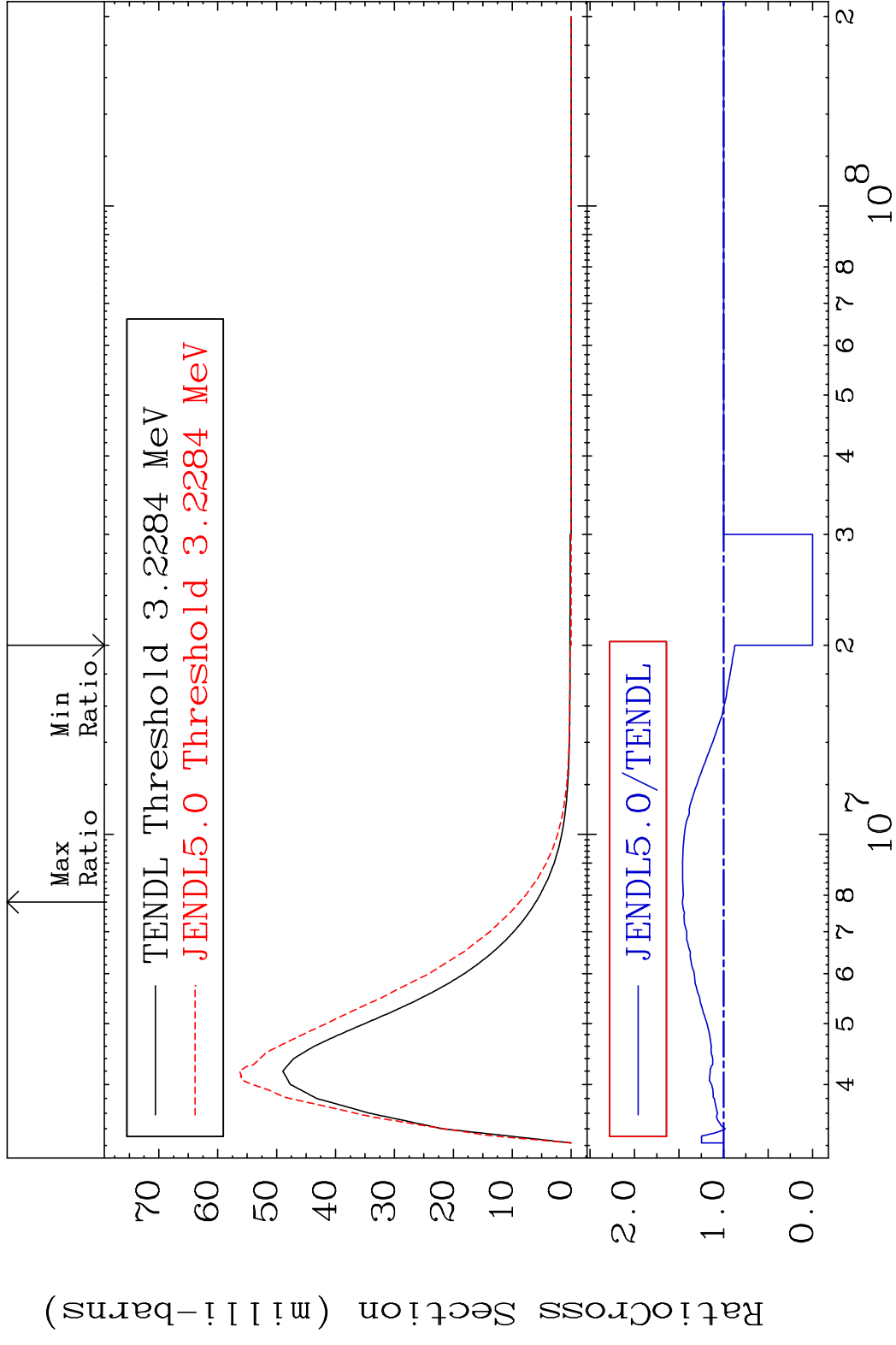


MAT 2837 MT= 57 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 301.1 %

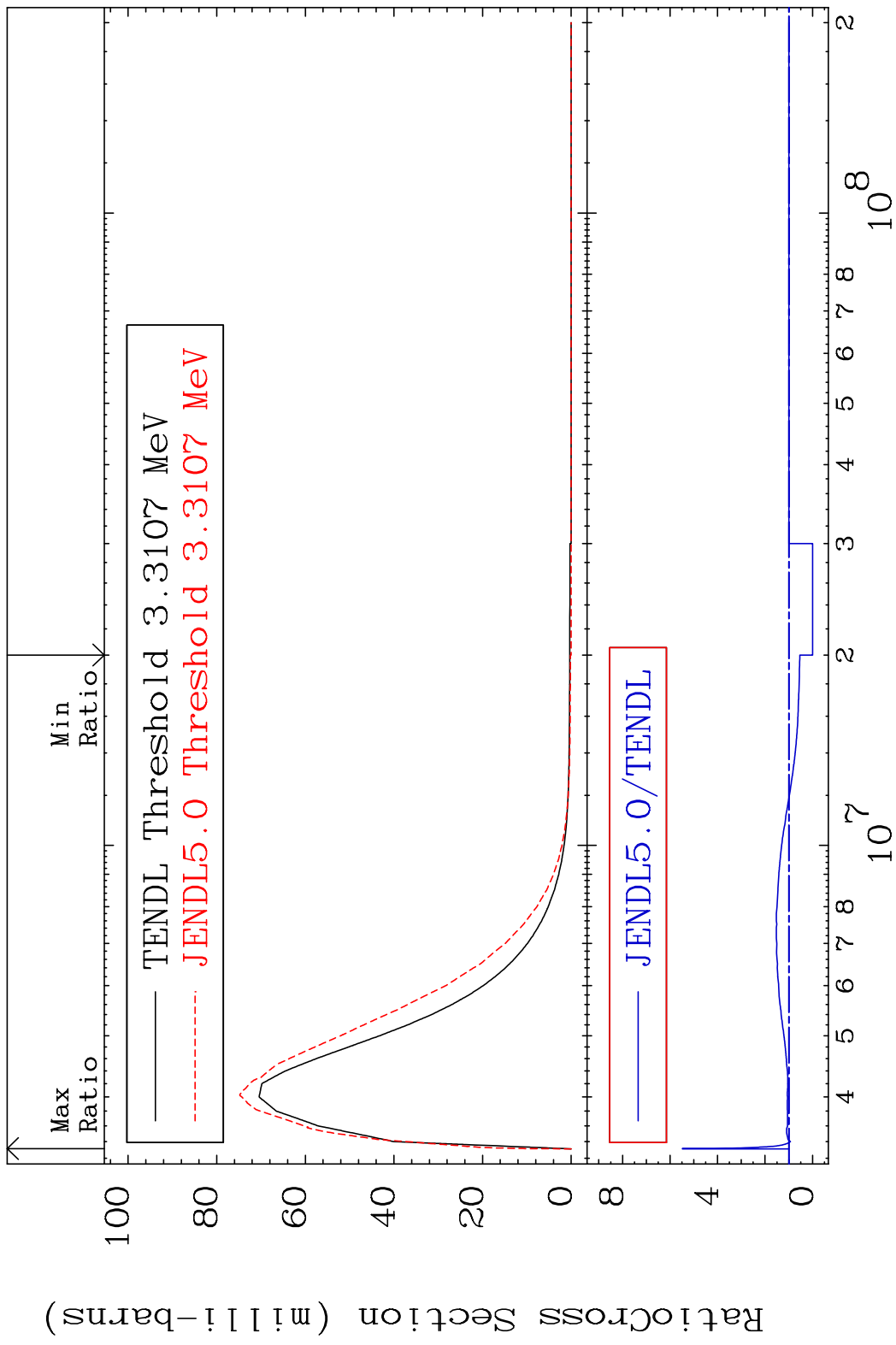


15 Incident Energy (eV) 28-Ni-62

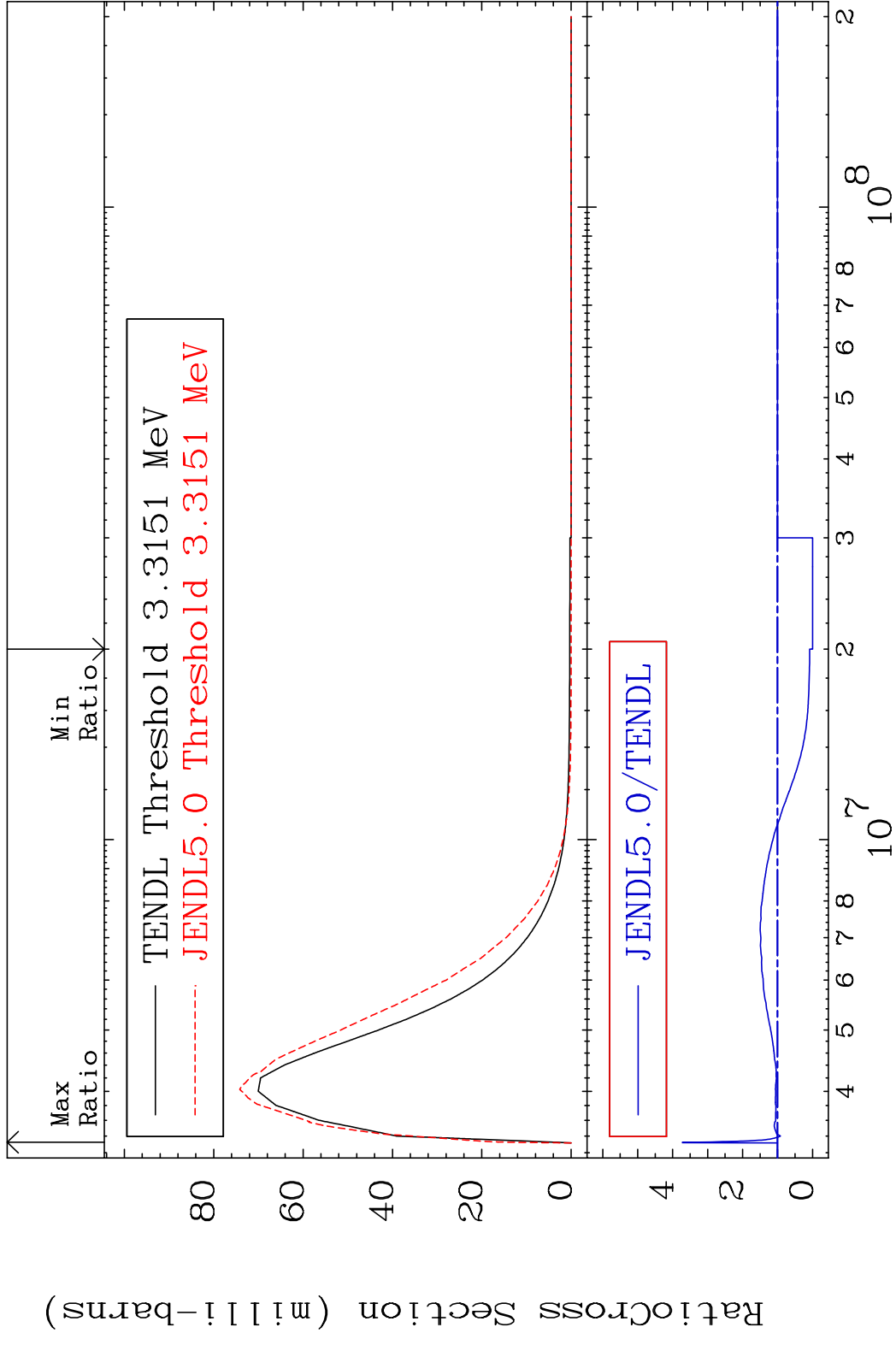
MAT 2837 MT= 58 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 46.31 %



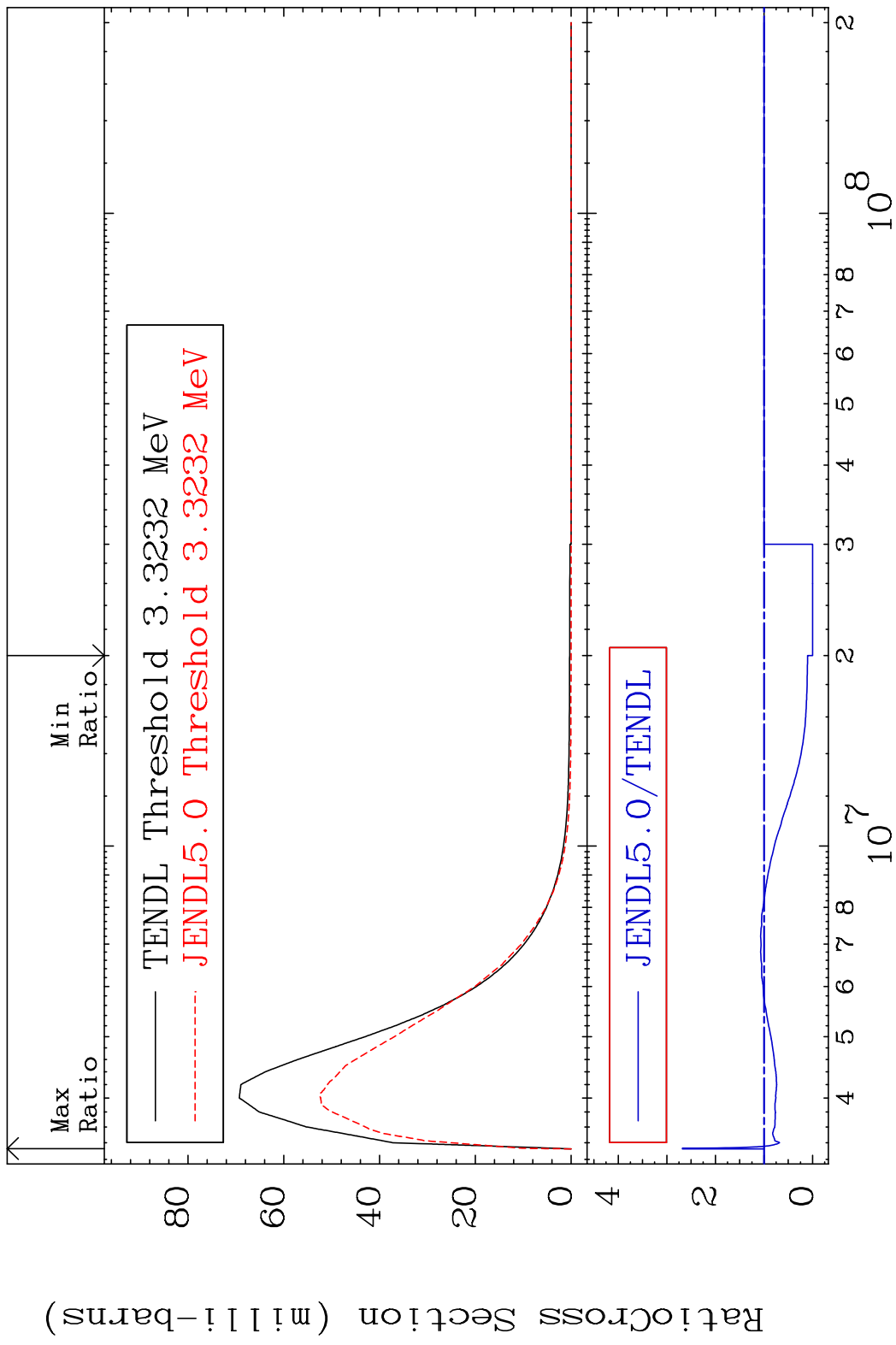
MAT 2837 MT= 59 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 448.2 %



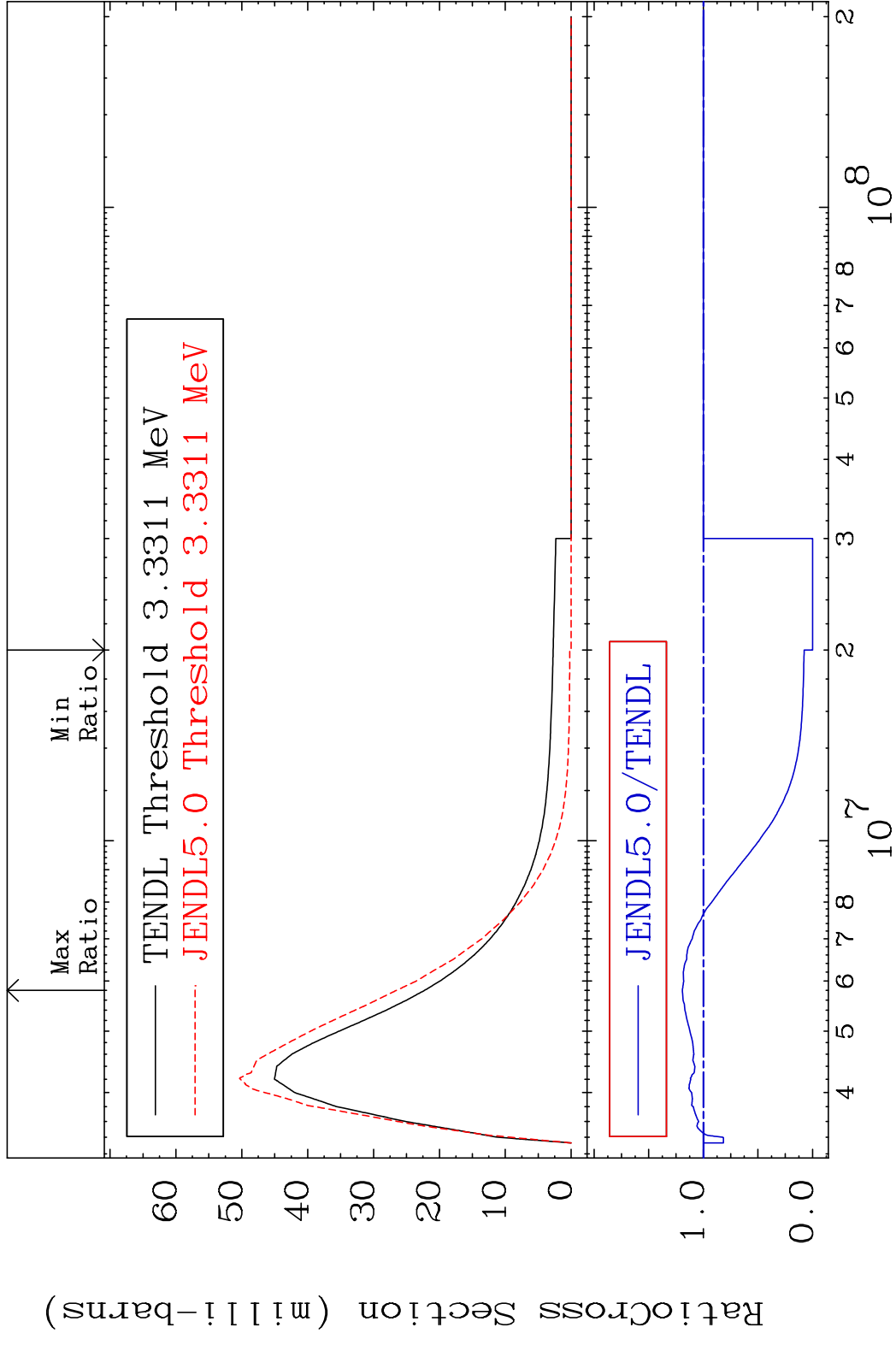
MAT 2837 MT= 60 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 272.4 %



MAT 2837 MT= 61 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 168.0 %

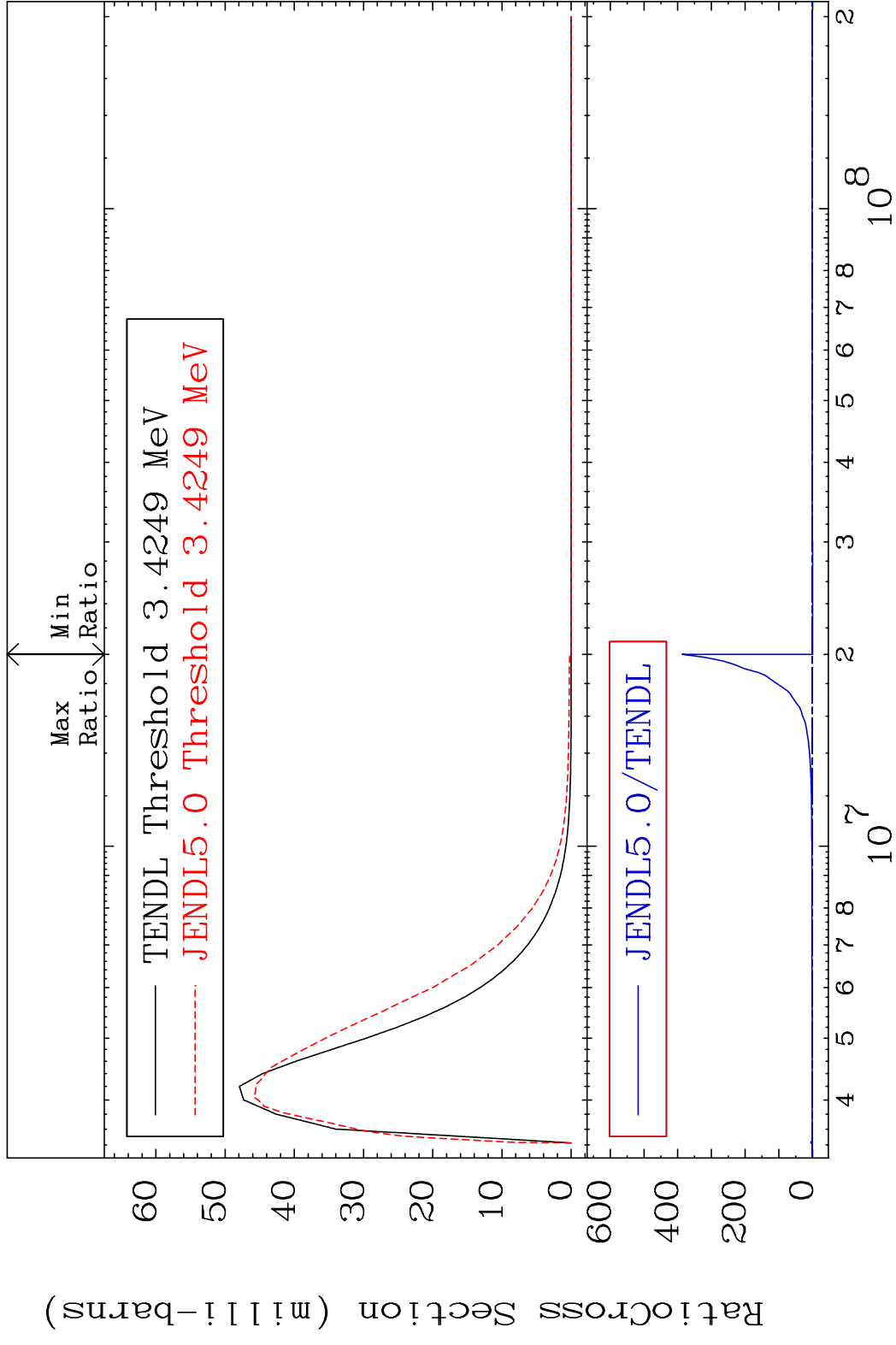


MAT 2837 MT= 62 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 19.21 %

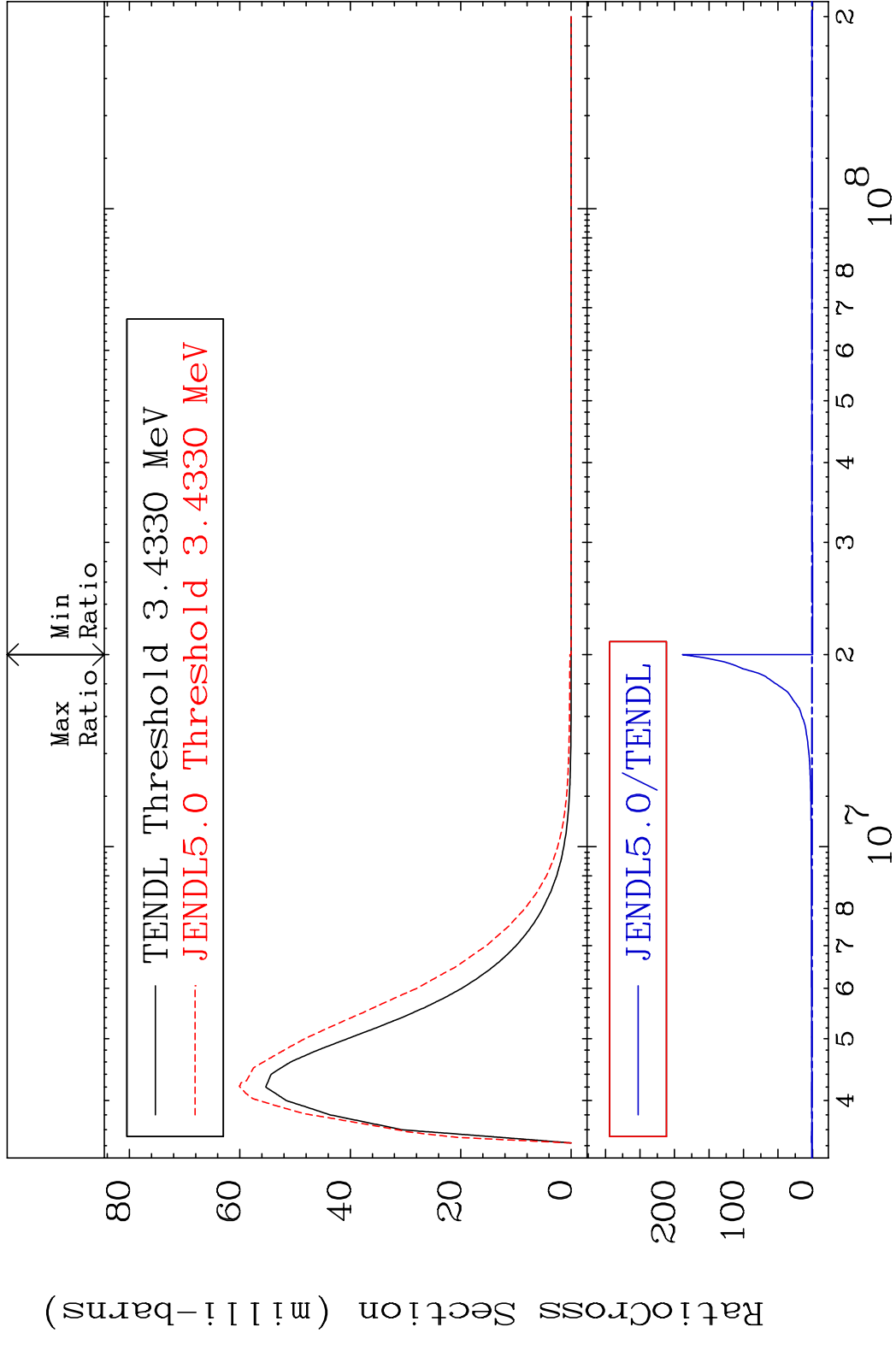


20 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 63 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 9999. %

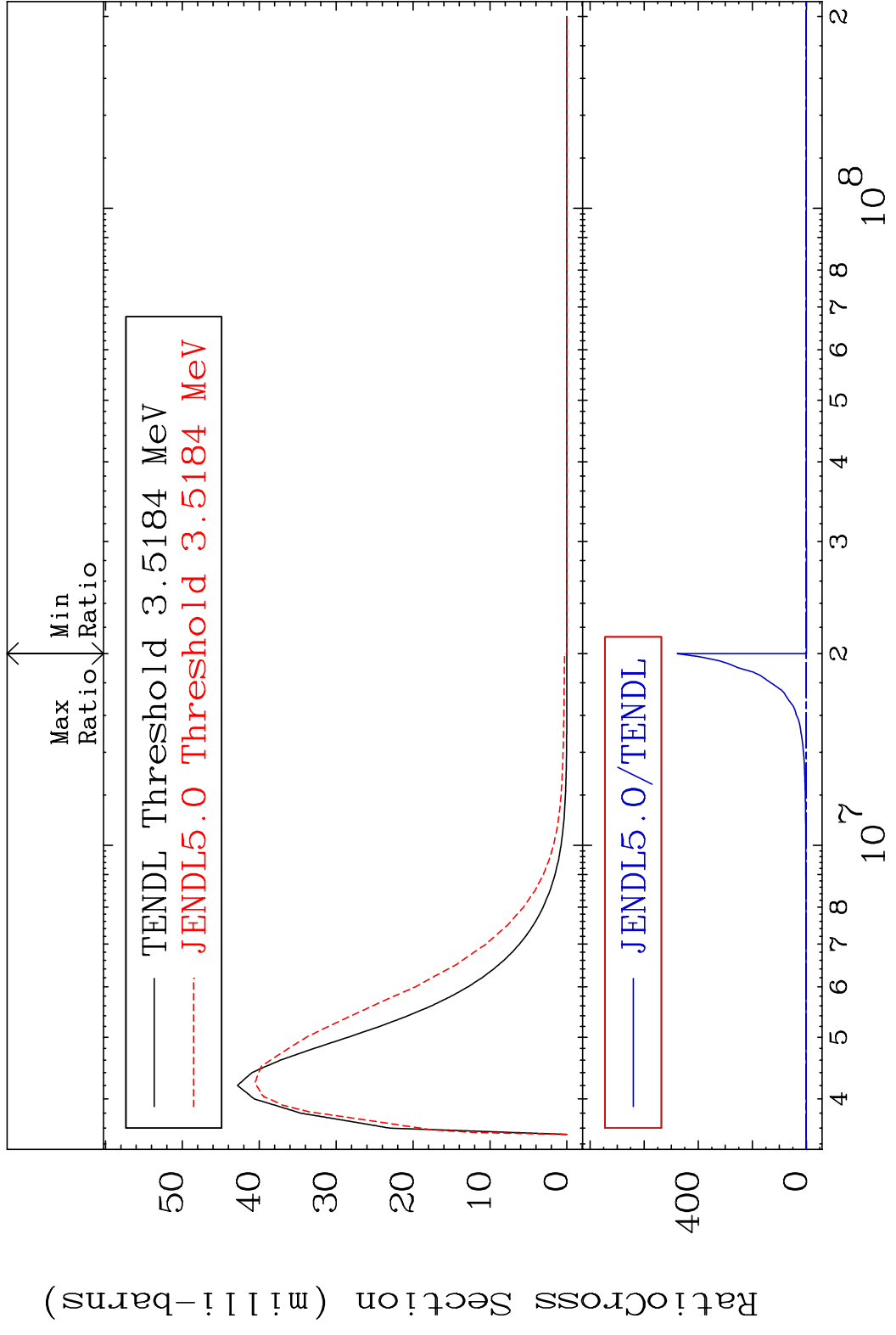


MAT 2837 MT= 64 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 9999. %

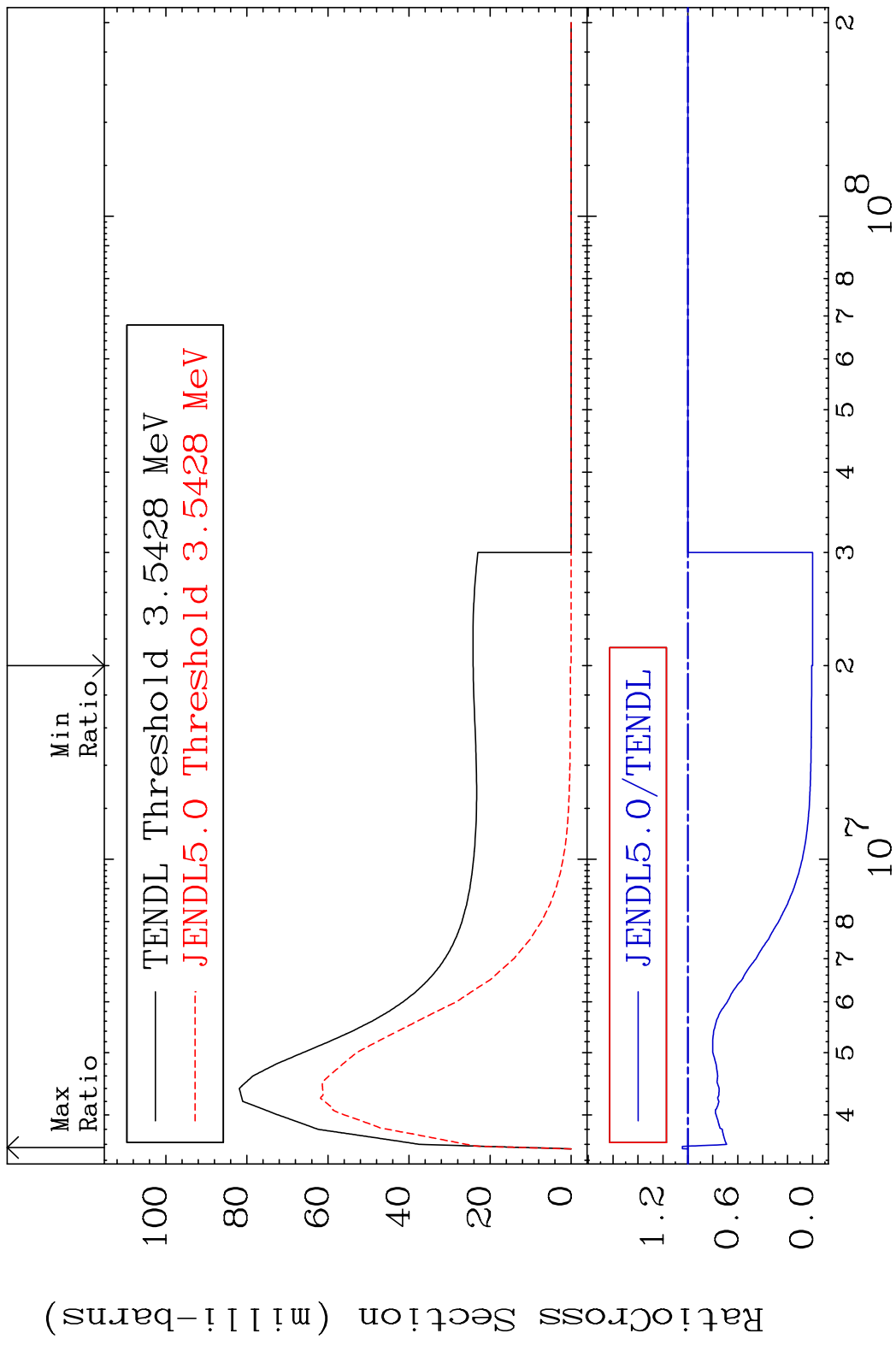


22 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 65 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 9999. %

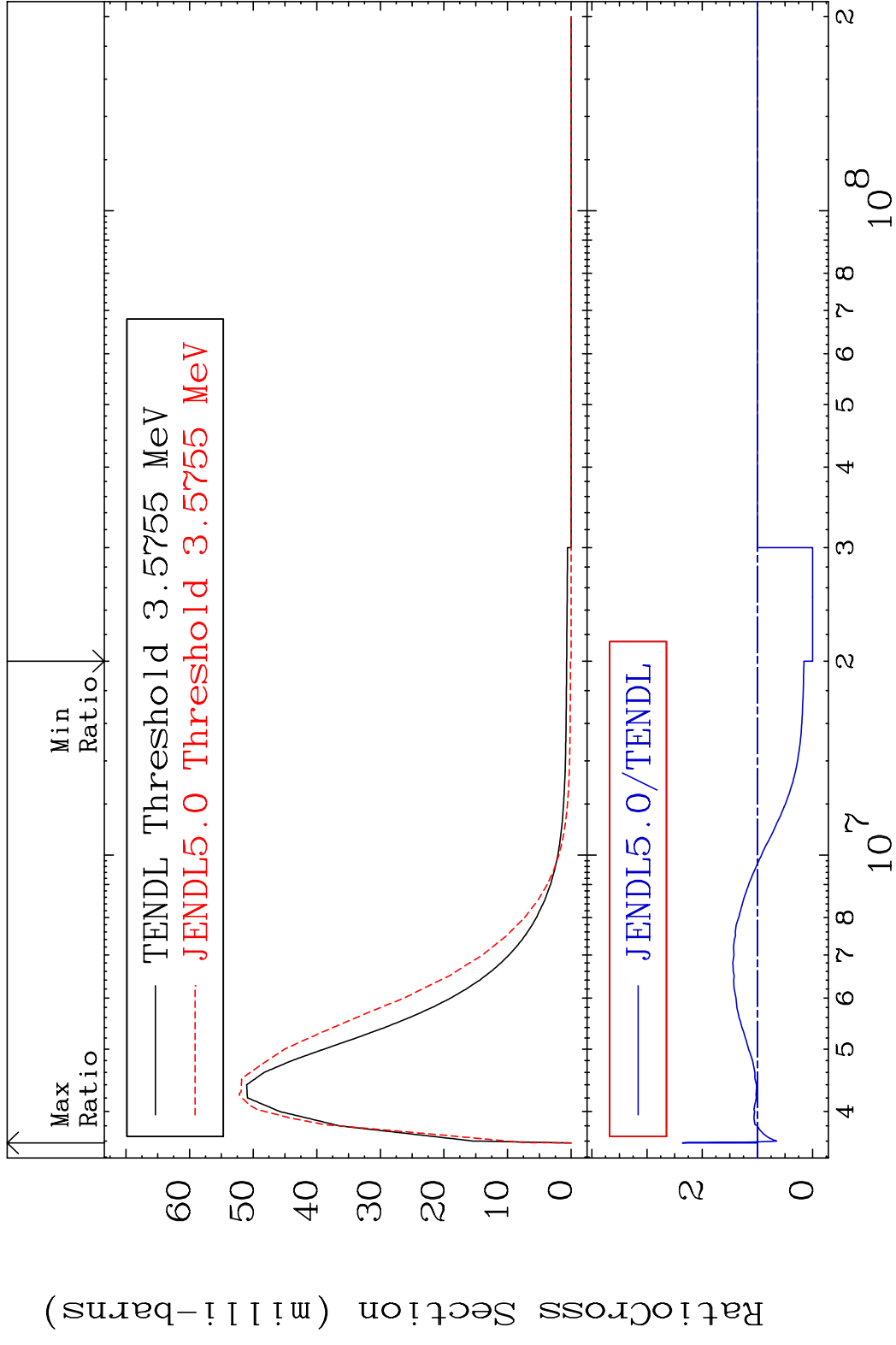


MAT 2837 MT= 66 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 4.423 %

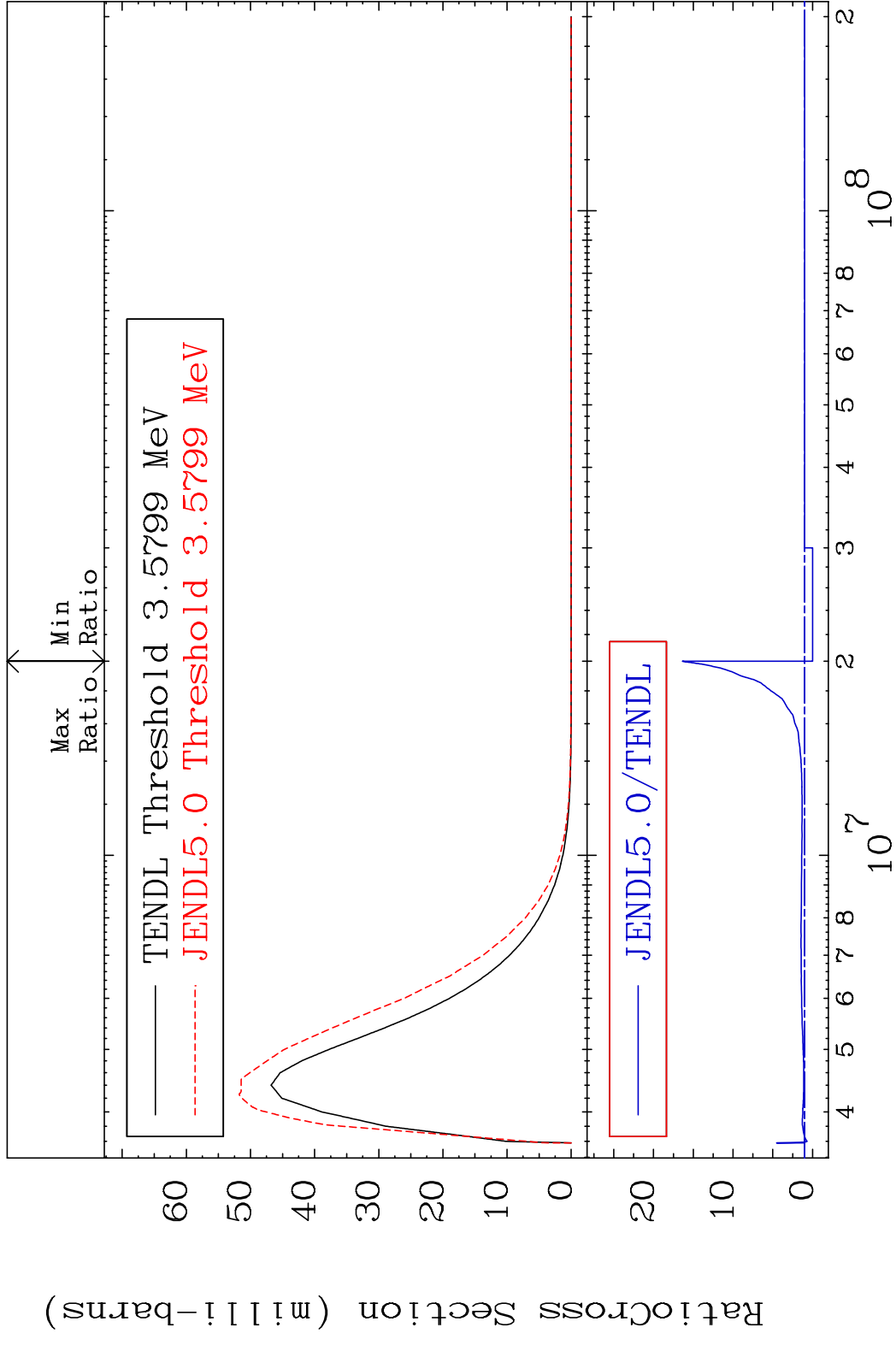


24 Incident Energy (eV) 28-Ni-62

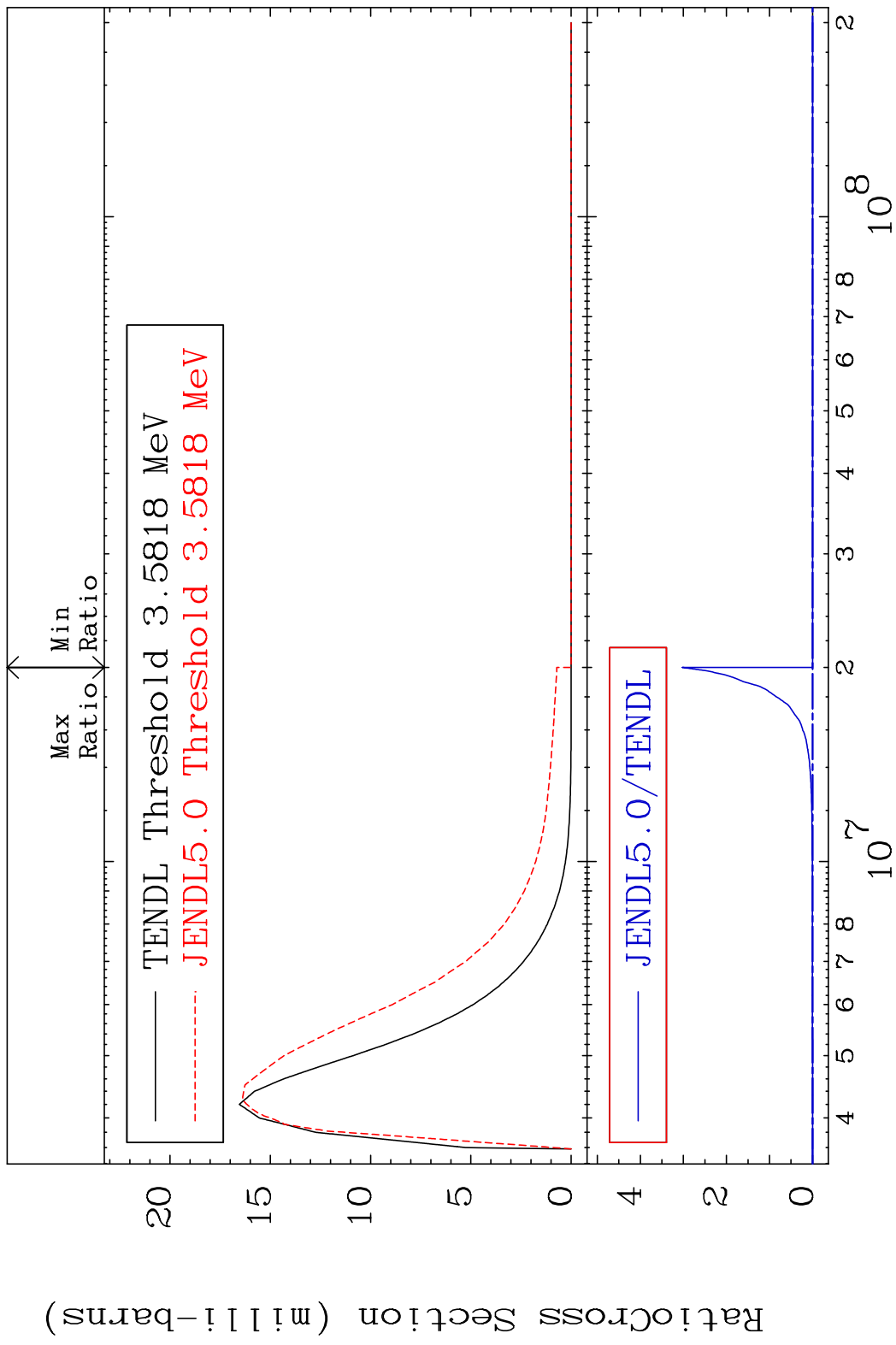
MAT 2837 MT= 67 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 135.9 %



MAT 2837 MT= 68 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 1537. %

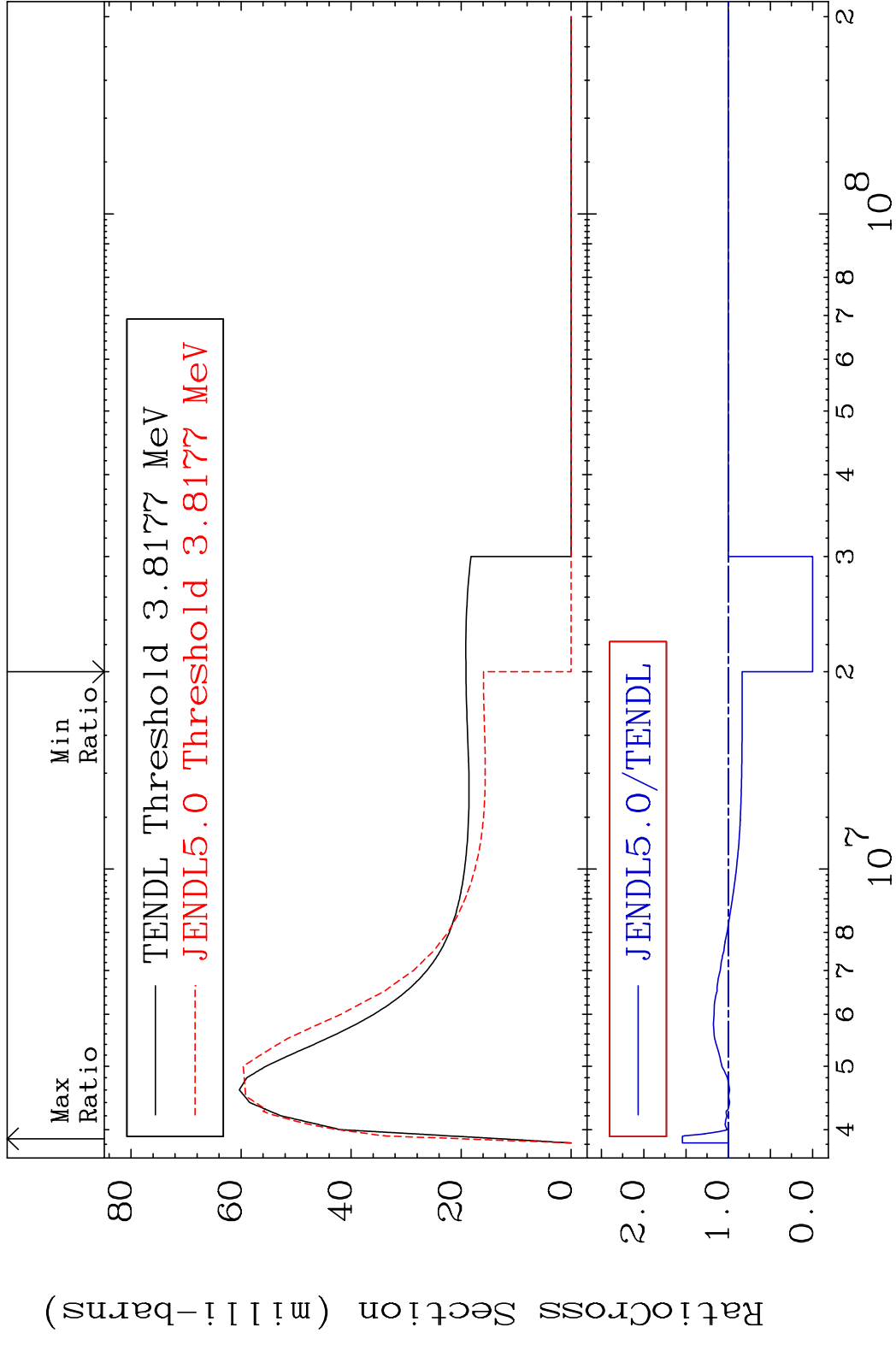


MAT 2837 MT= 69 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 9999. %

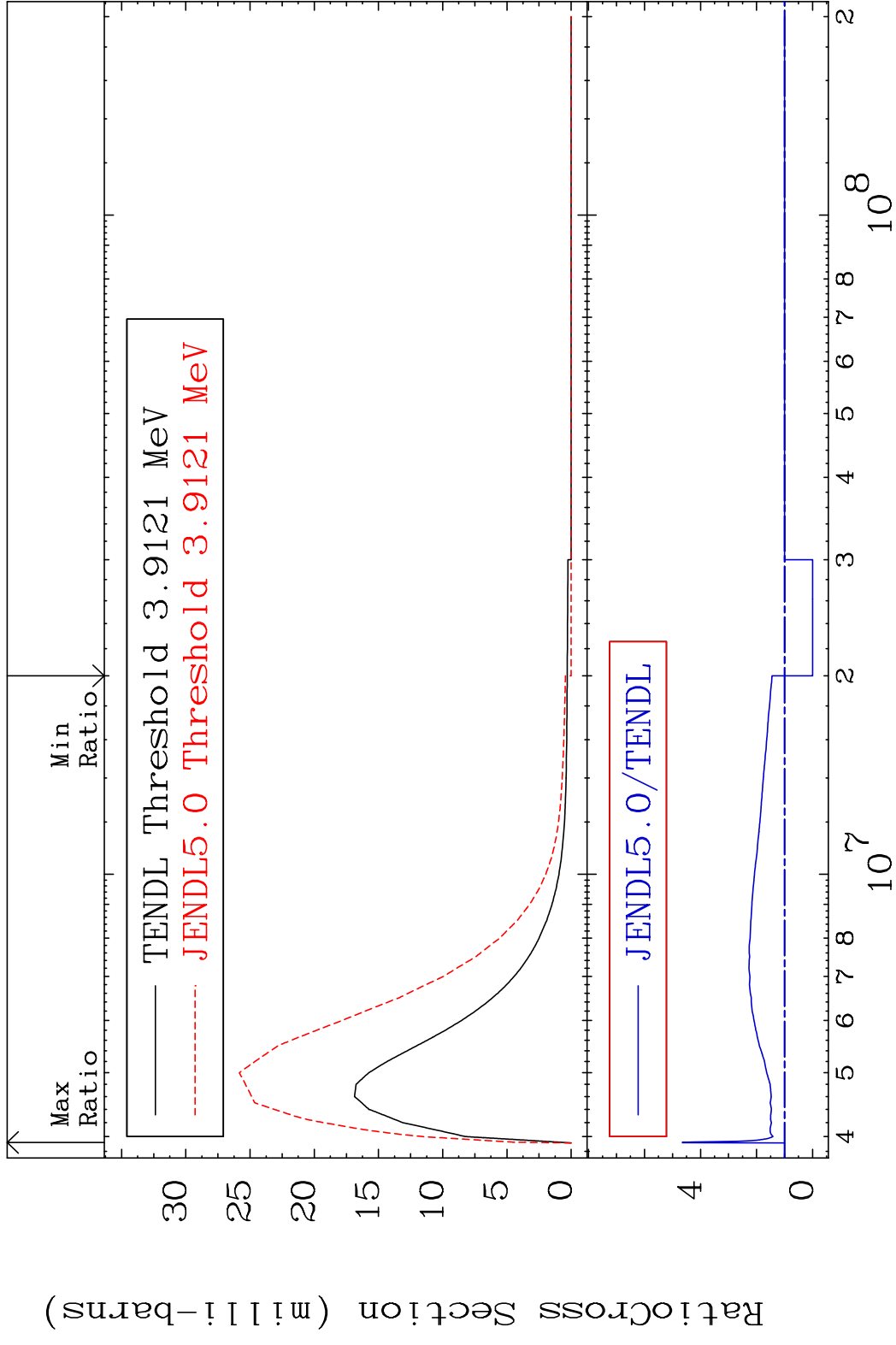


27 Incident Energy (eV) 28-Ni-62

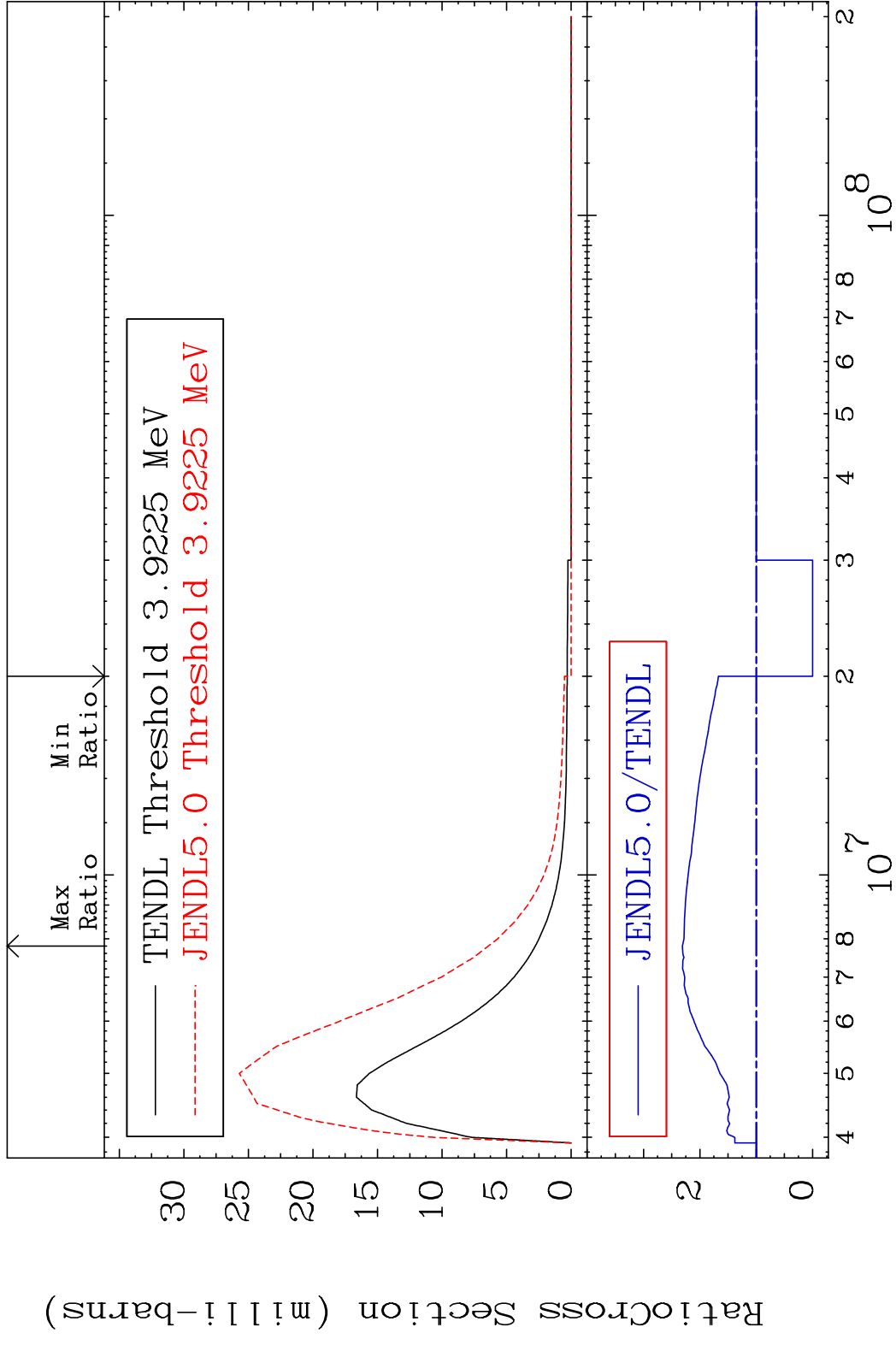
MAT 2837 MT= 70 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 54.25 %



MAT 2837 MT= 71 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 364.9 %

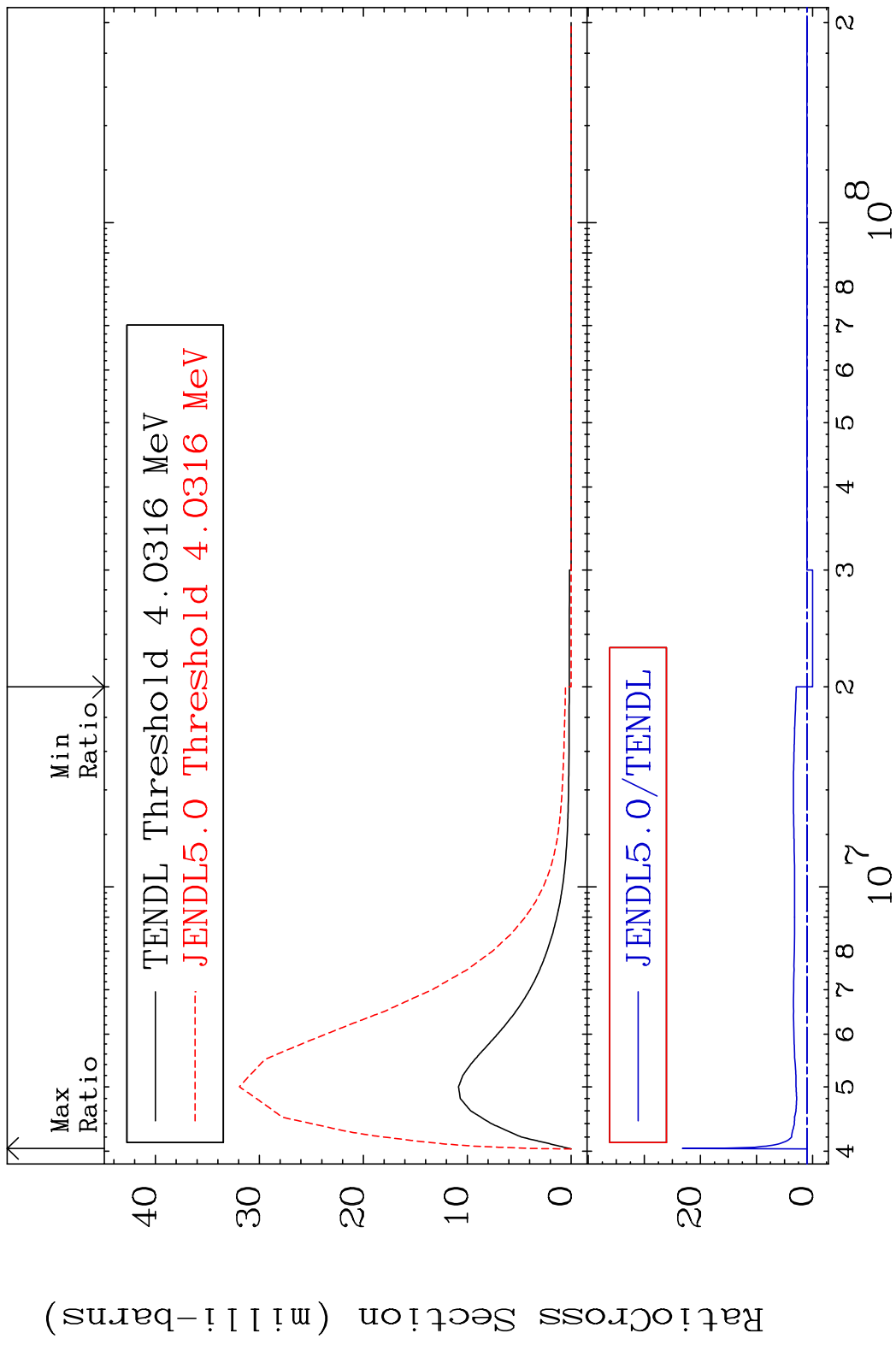


MAT 2837 MT= 72 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 131.1 %

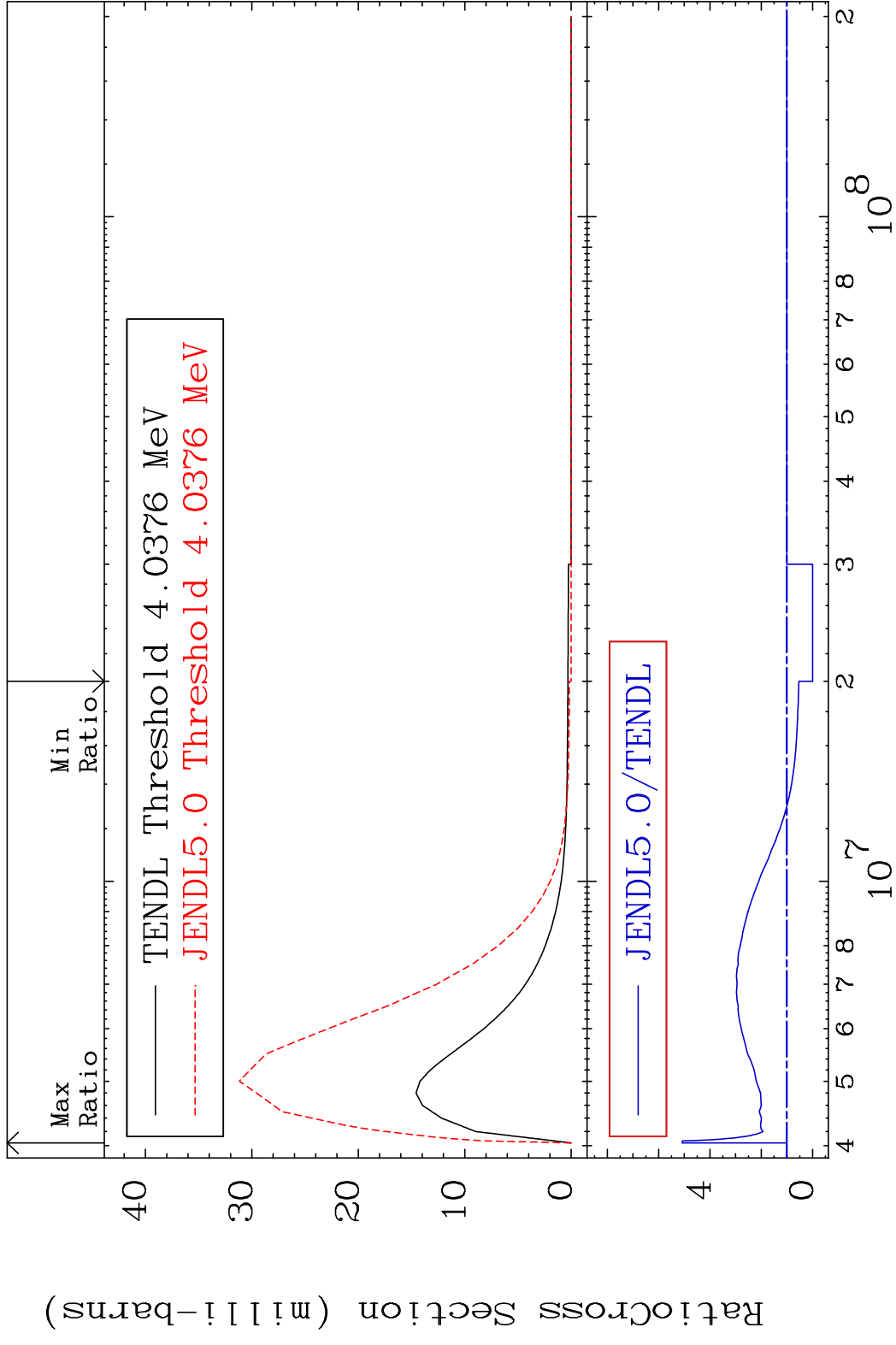


30 Incident Energy (eV) 28-Ni-62

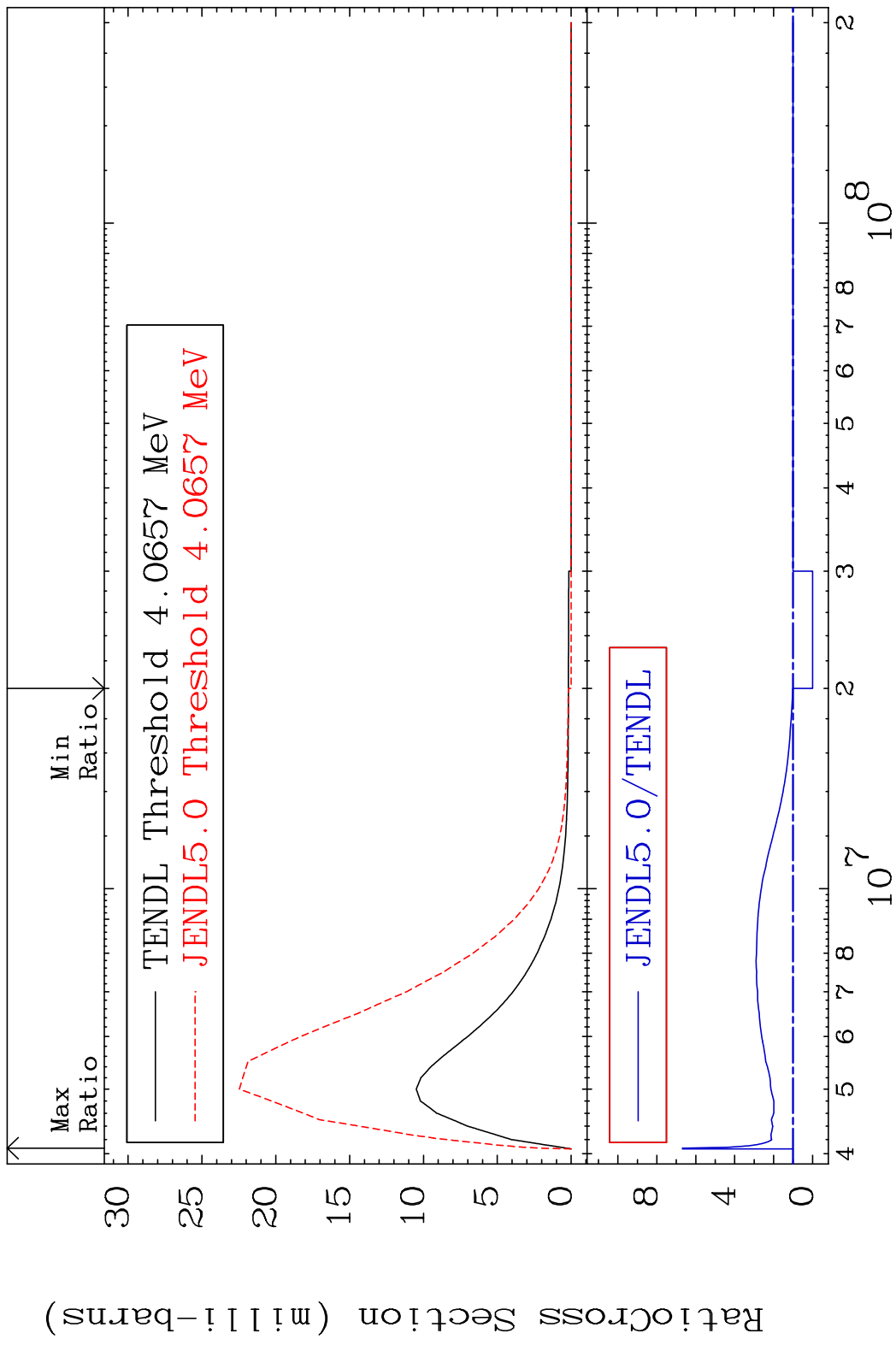
MAT 2837 MT= 73 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 2222. %



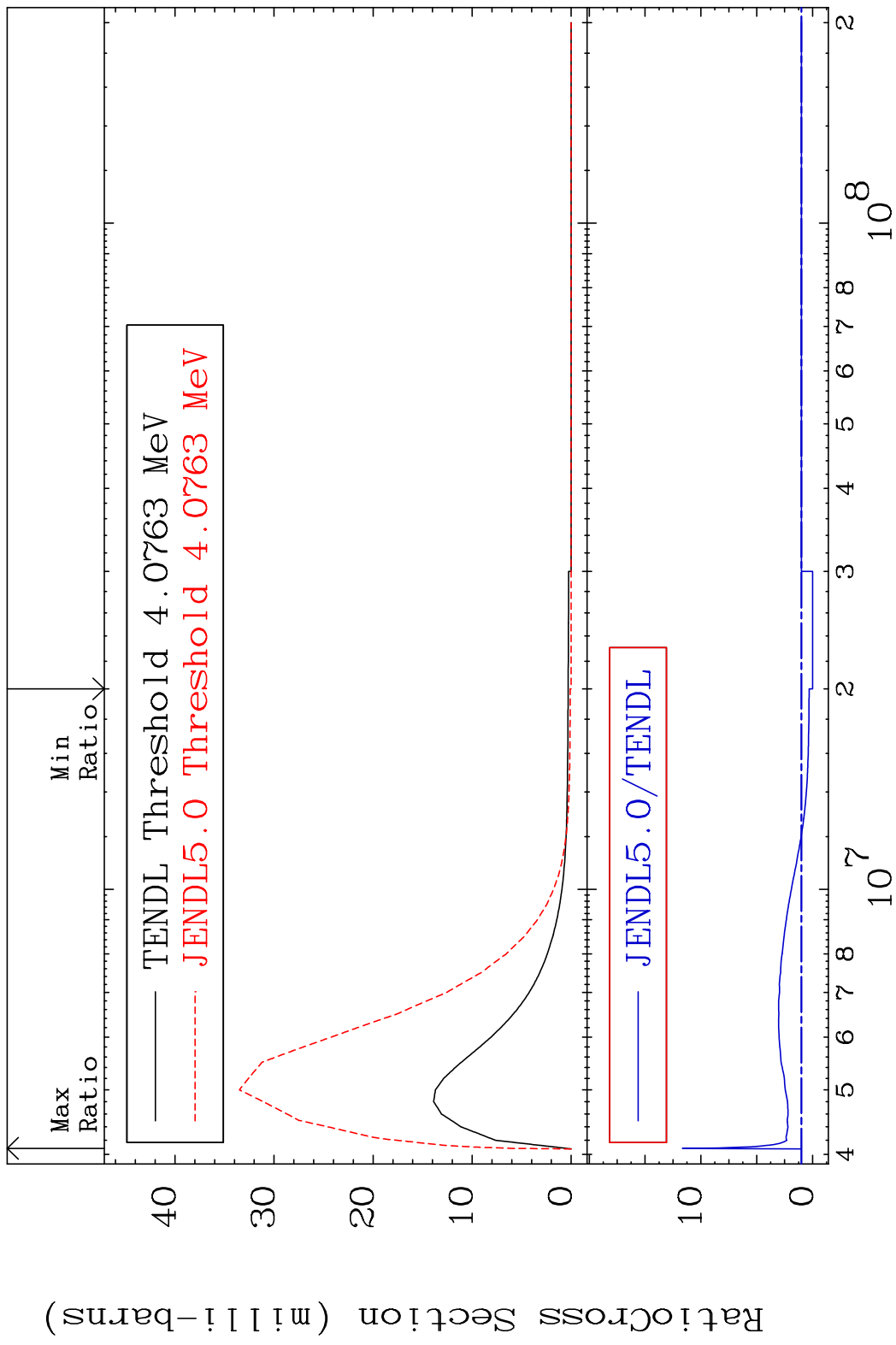
MAT 2837 MT= 74 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 407.6 %



MAT 2837 MT= 75 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 568.9 %

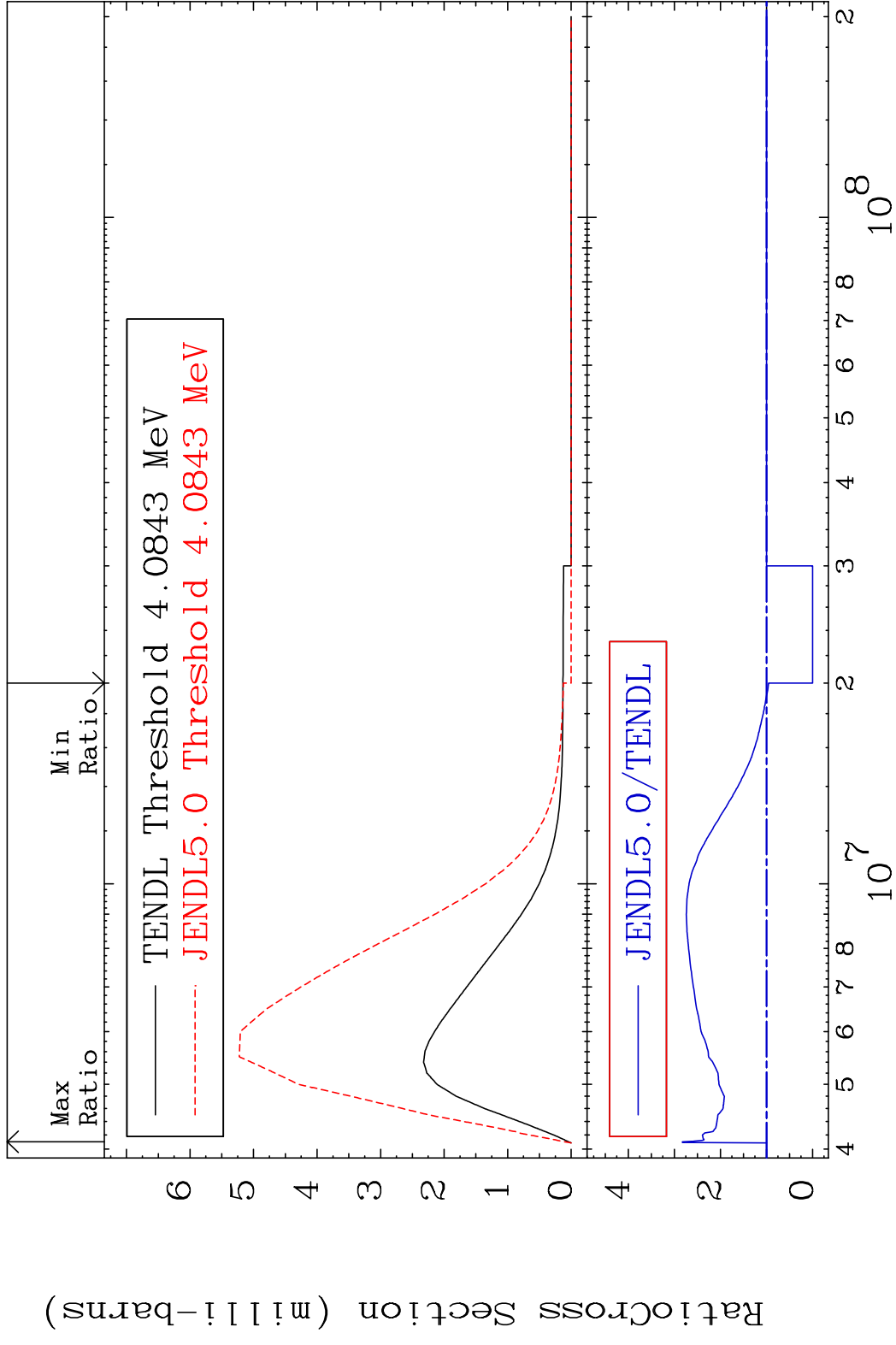


MAT 2837 MT= 76 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 1066. %

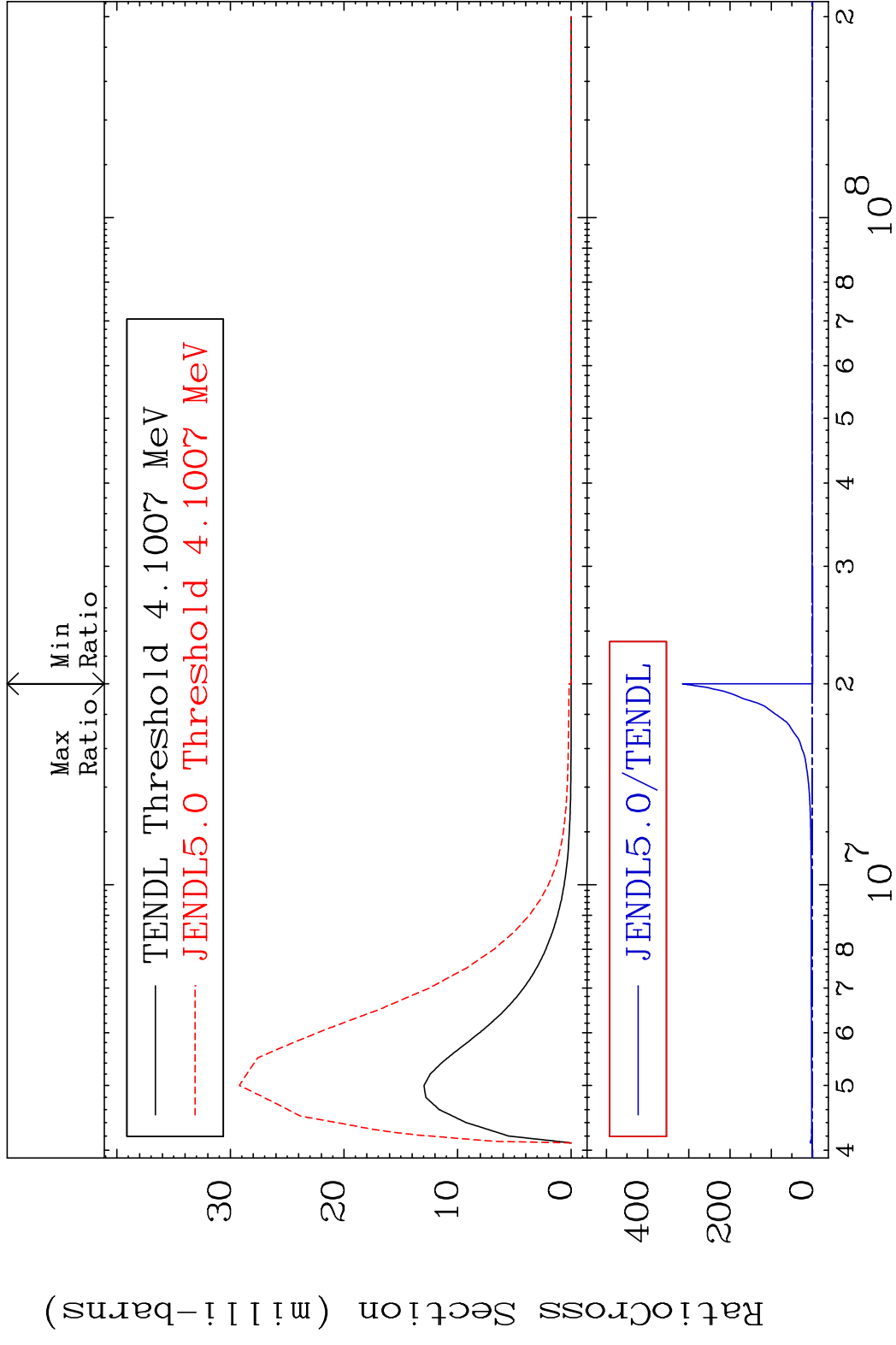


34 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 77 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 182.7 %



MAT 2837 MT= 78 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 9999. %

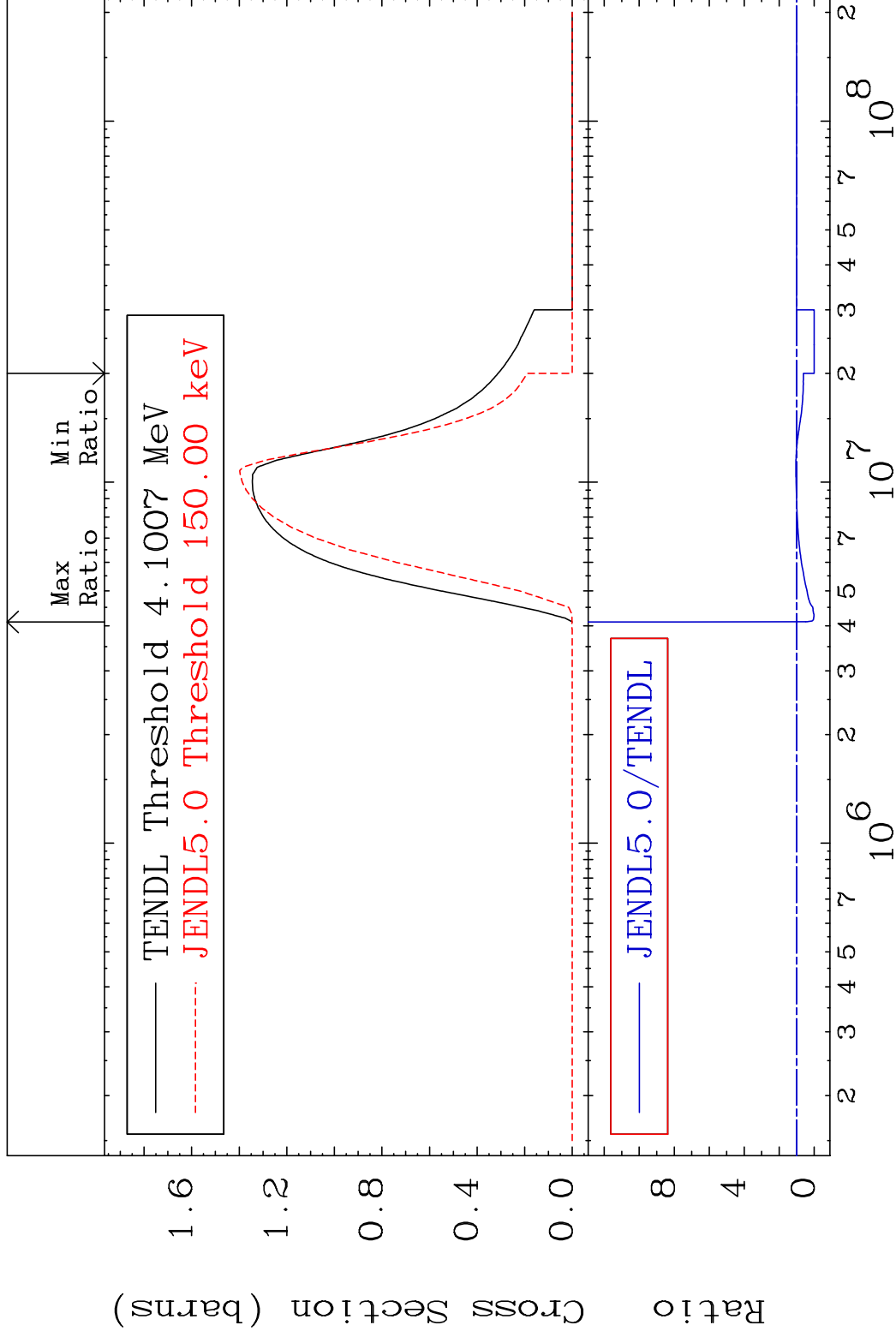


MAT 2837

(n,n') Continuum

28-Ni-62

Cross Section -100.0 To 646.0 %



37

Incident Energy (eV)

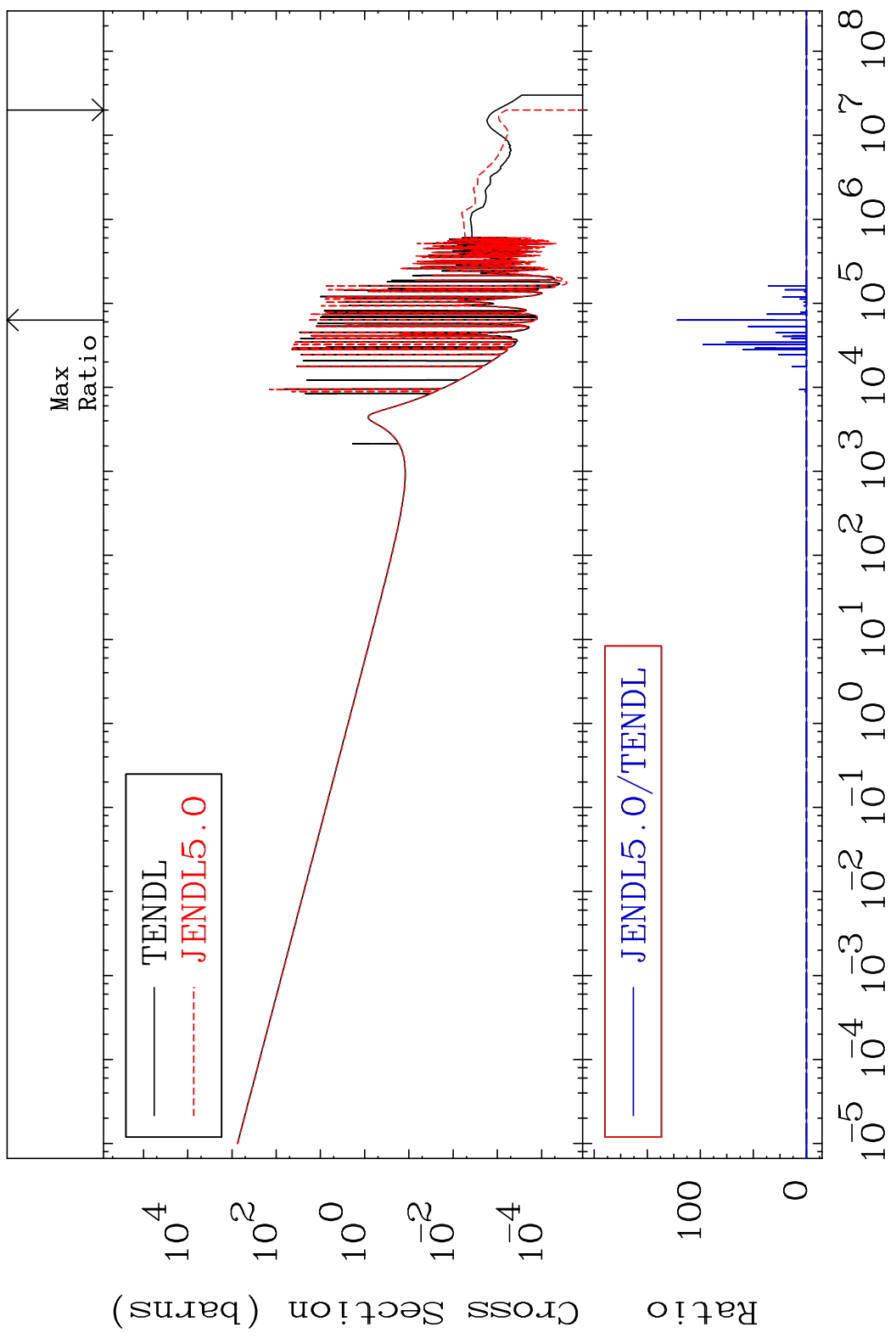
28-Ni-62

MAT 2837

(n, γ)

28-Ni-62

Cross Section -100.0 To 9999. %

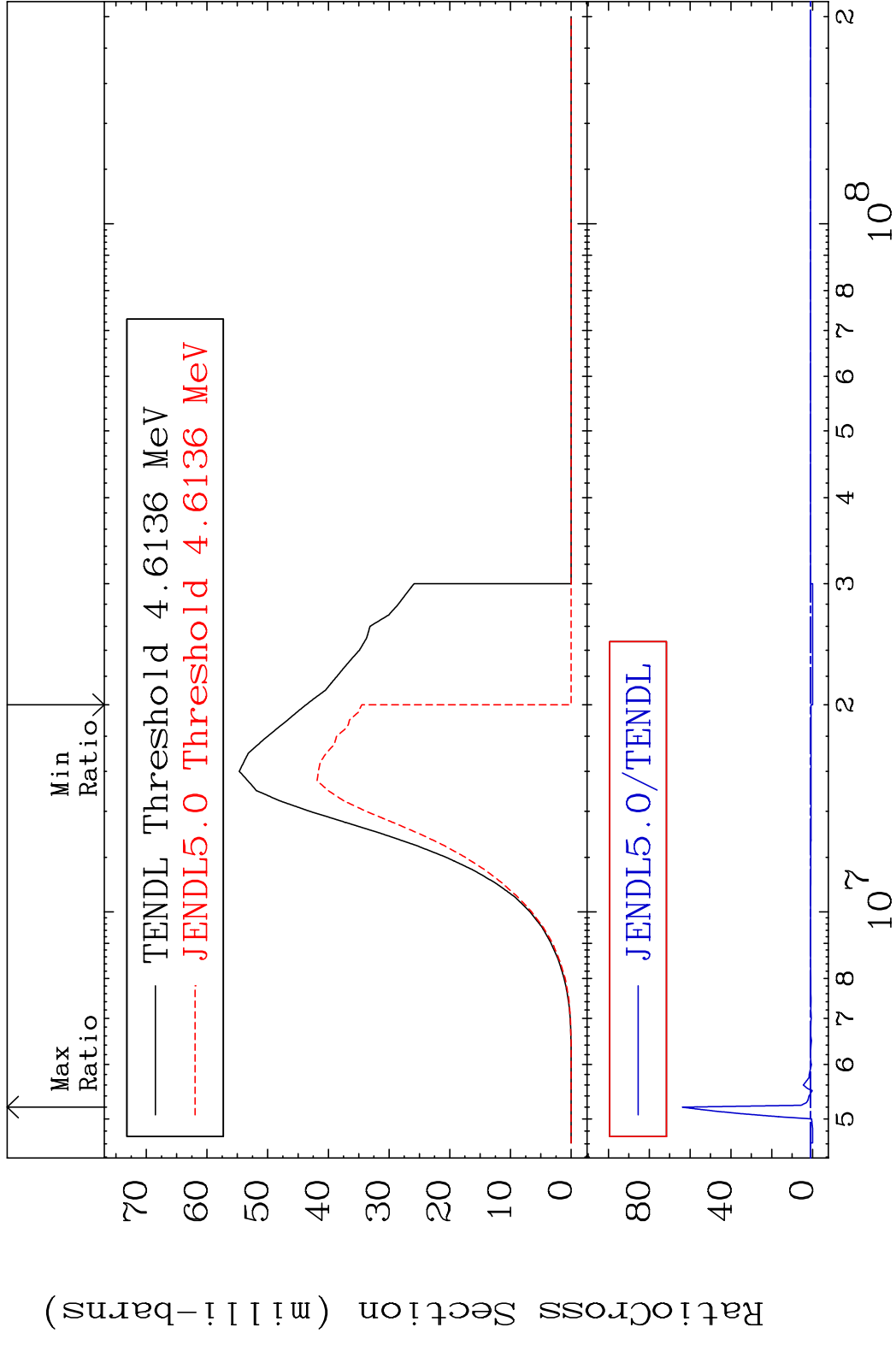


38

Incident Energy (eV)

28-Ni-62

MAT 2837 (n,p) 28-Ni-62
 Cross Section -100.0 To 6281. %

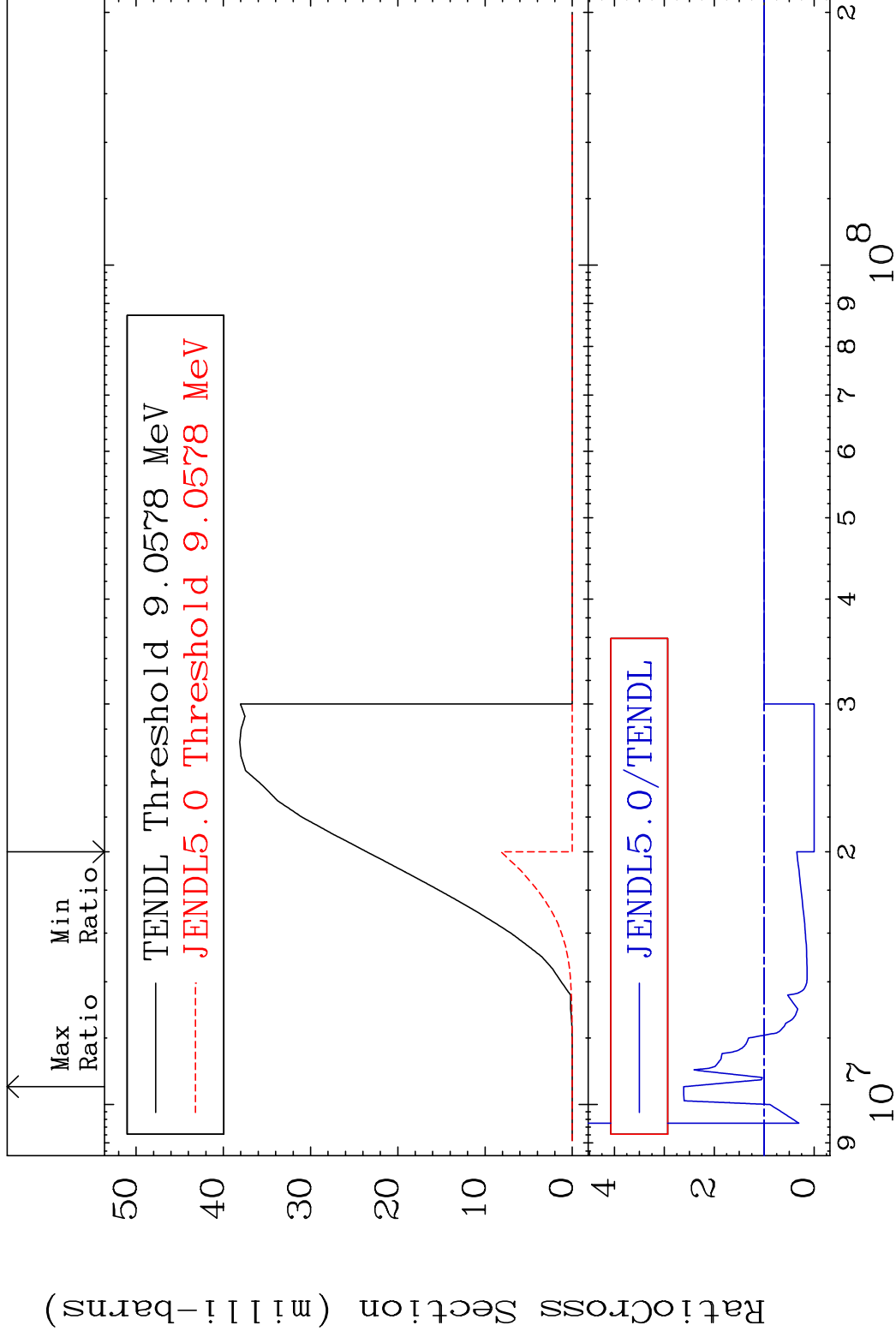


MAT 2837

(n,d)

28-Ni-62

Cross Section -100.0 To 161.3 %

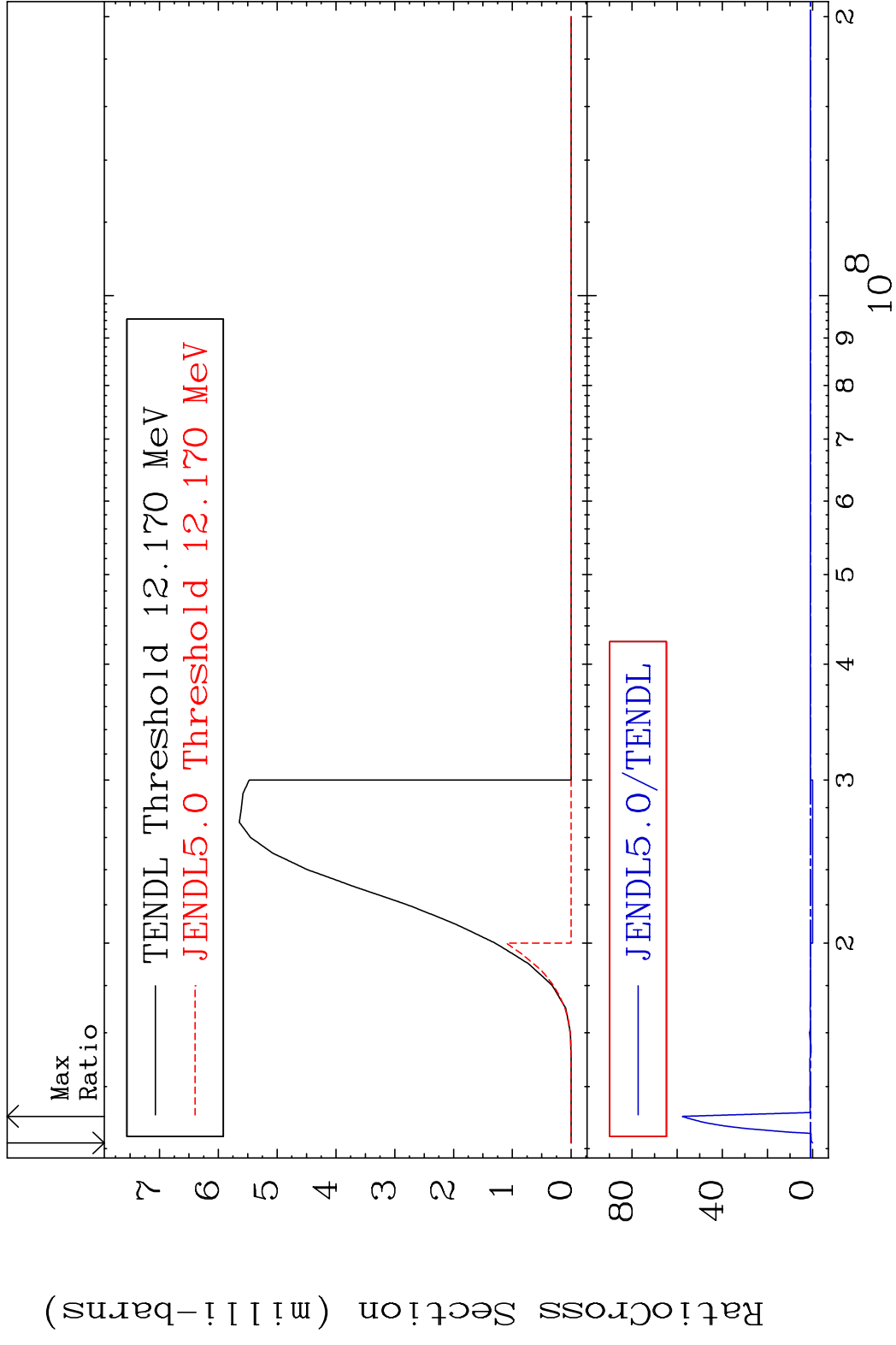


40

Incident Energy (eV)

28-Ni-62

MAT 2837 (n, t) 28-Ni-62
 Cross Section -100.0 To 5671. %



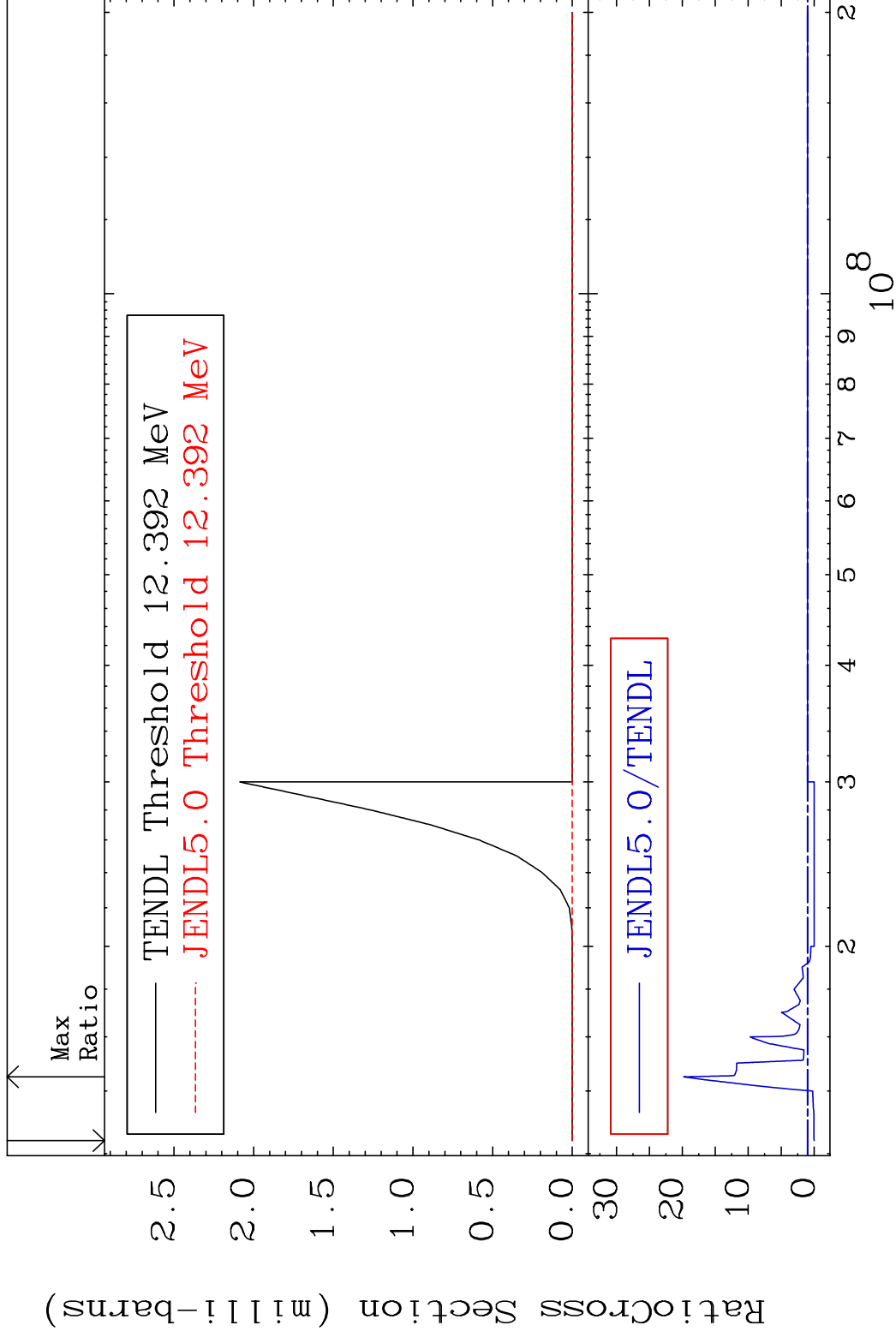
41 Incident Energy (eV) 28-Ni-62

MAT 2837

(n, He-3)

28-Ni-62

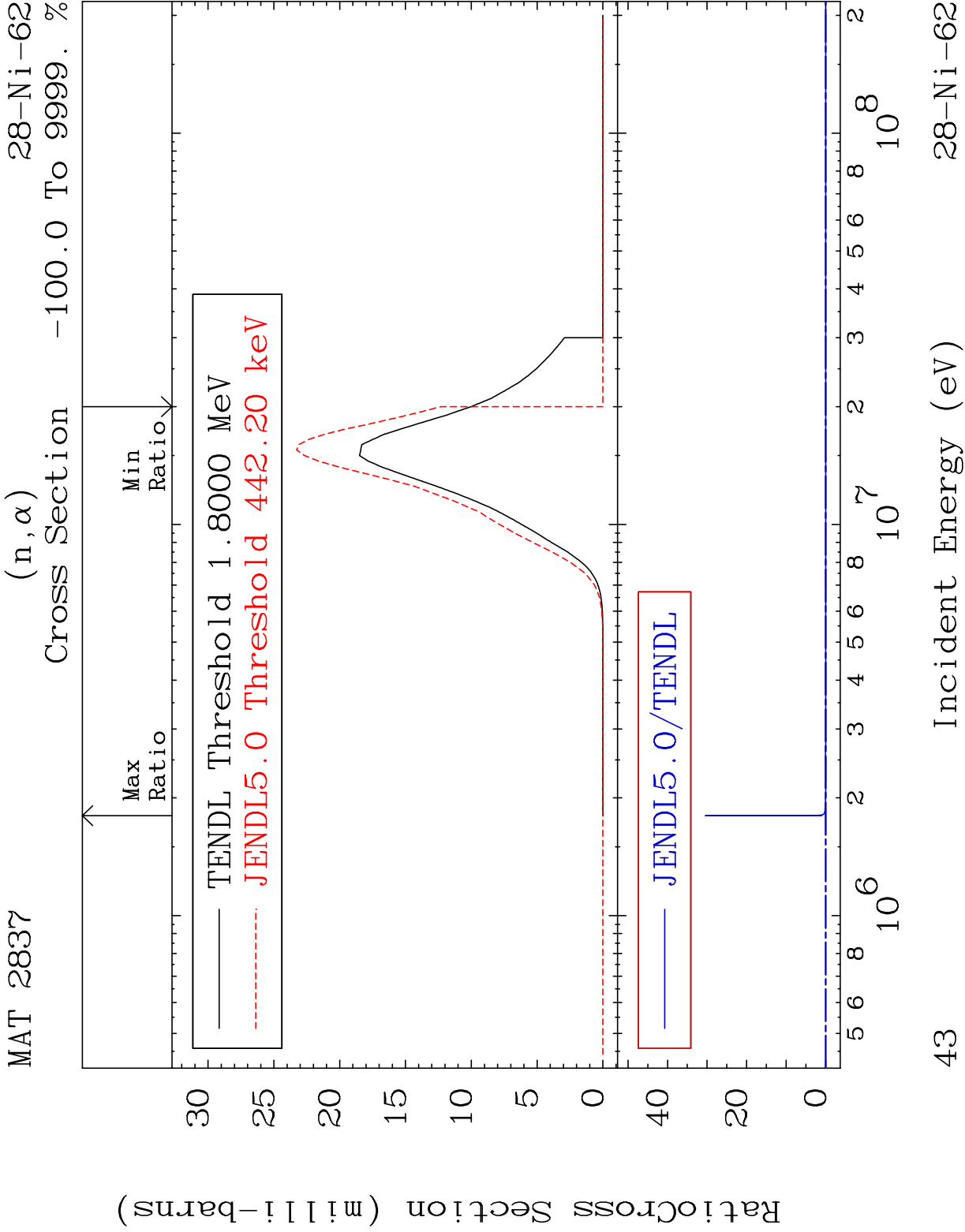
Cross Section -100.0 To 1880. %



42

Incident Energy (eV)

28-Ni-62

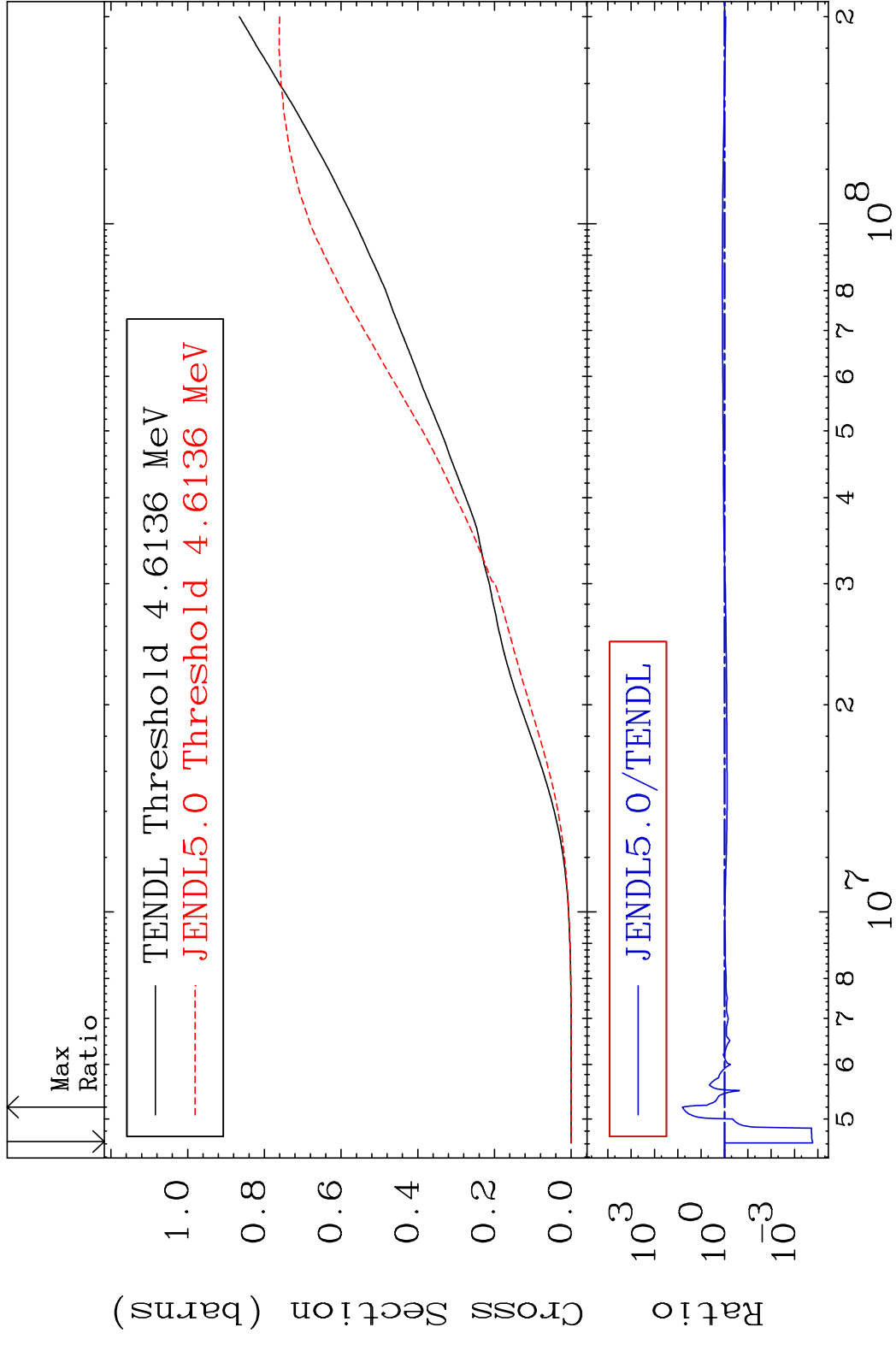


MAT 2837

Hydrogen Production

28-Ni-62

Cross Section -99.98 To 6281. %

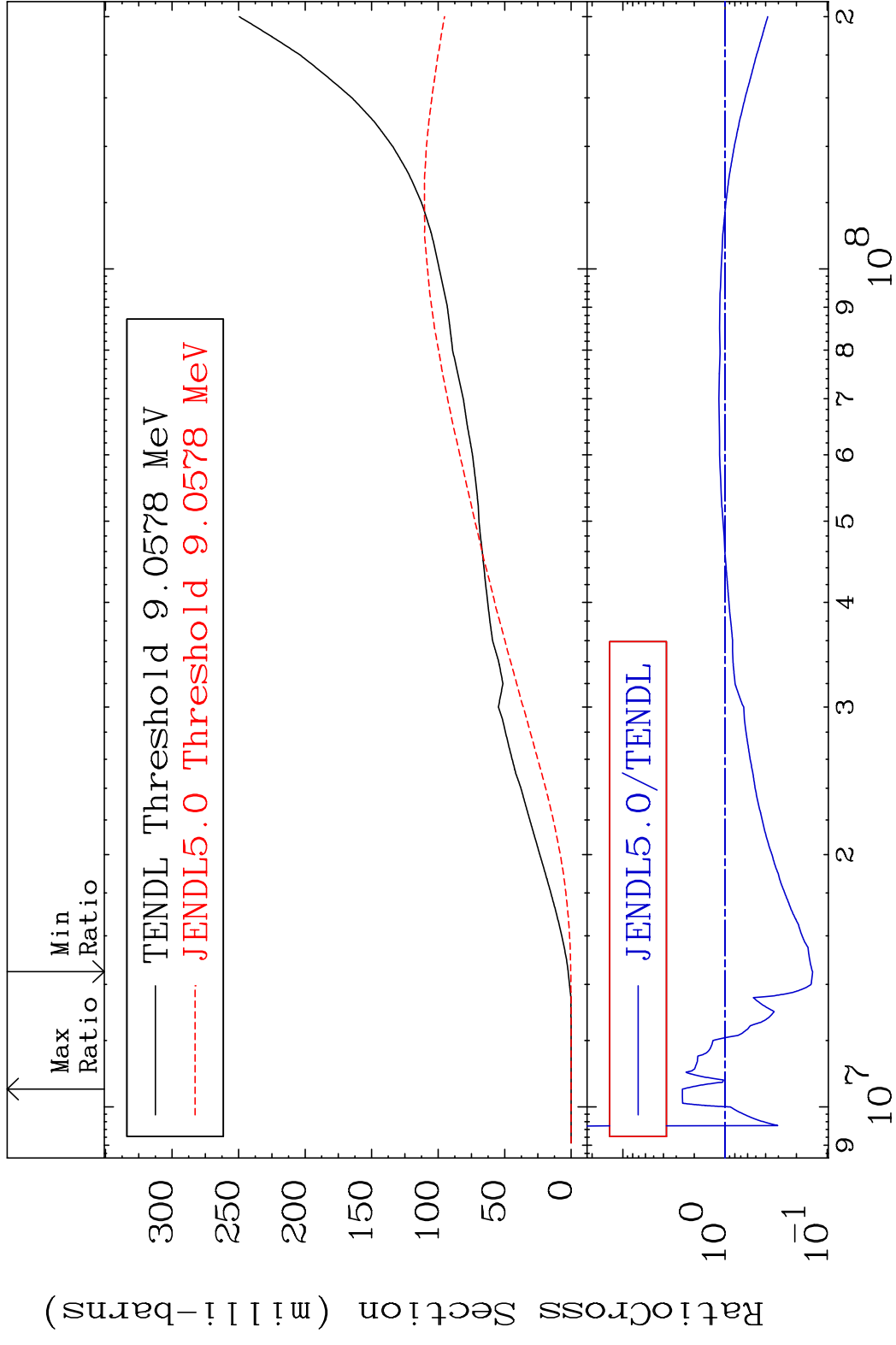


MAT 2837

Deuterium Production

²⁸Ni-62

Cross Section -86.09 To 161.3 %



45

Incident Energy (eV)

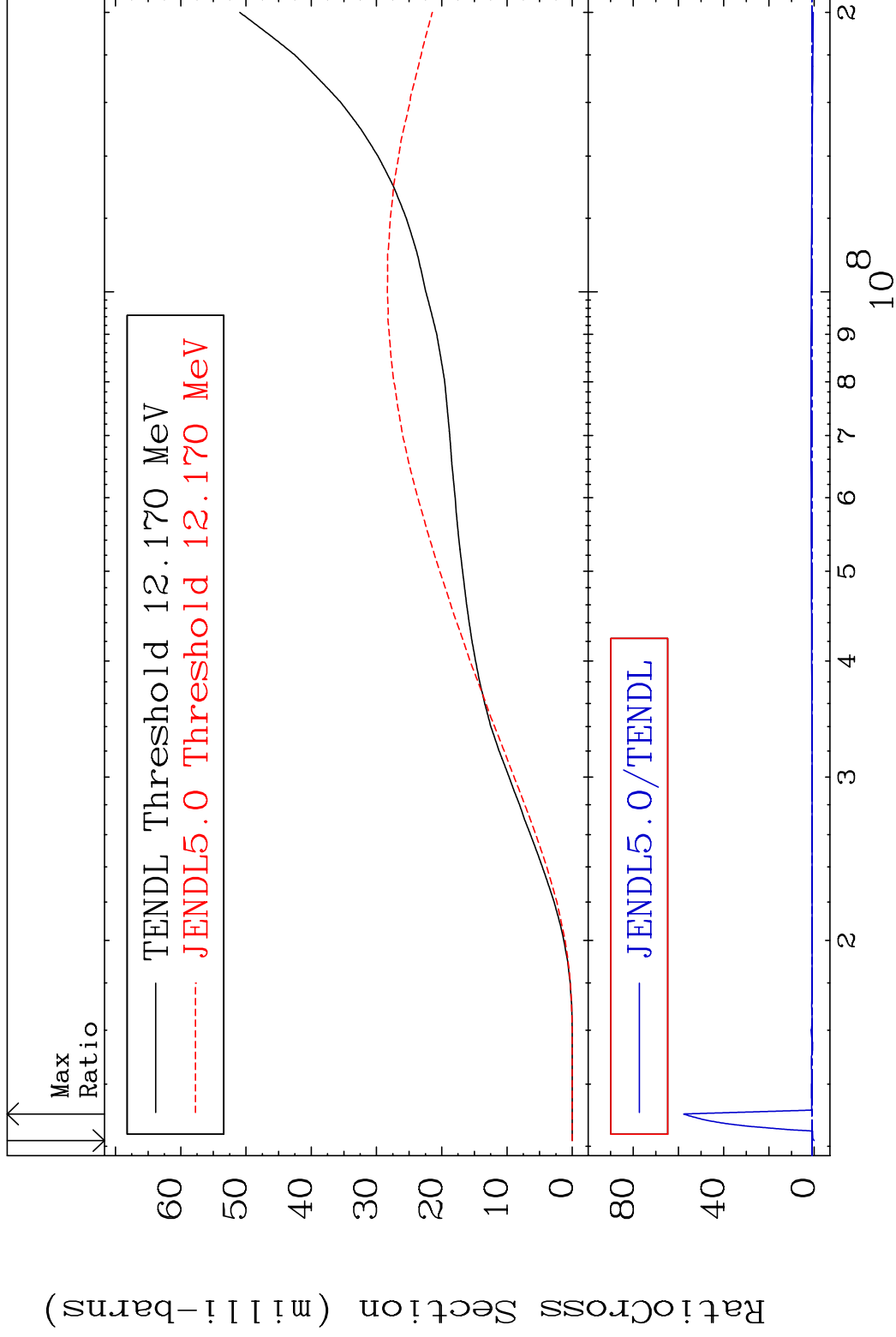
²⁸Ni-62

MAT 2837

Tritium Production

28-Ni-62

Cross Section -100.0 To 5671. %



46

Incident Energy (eV)

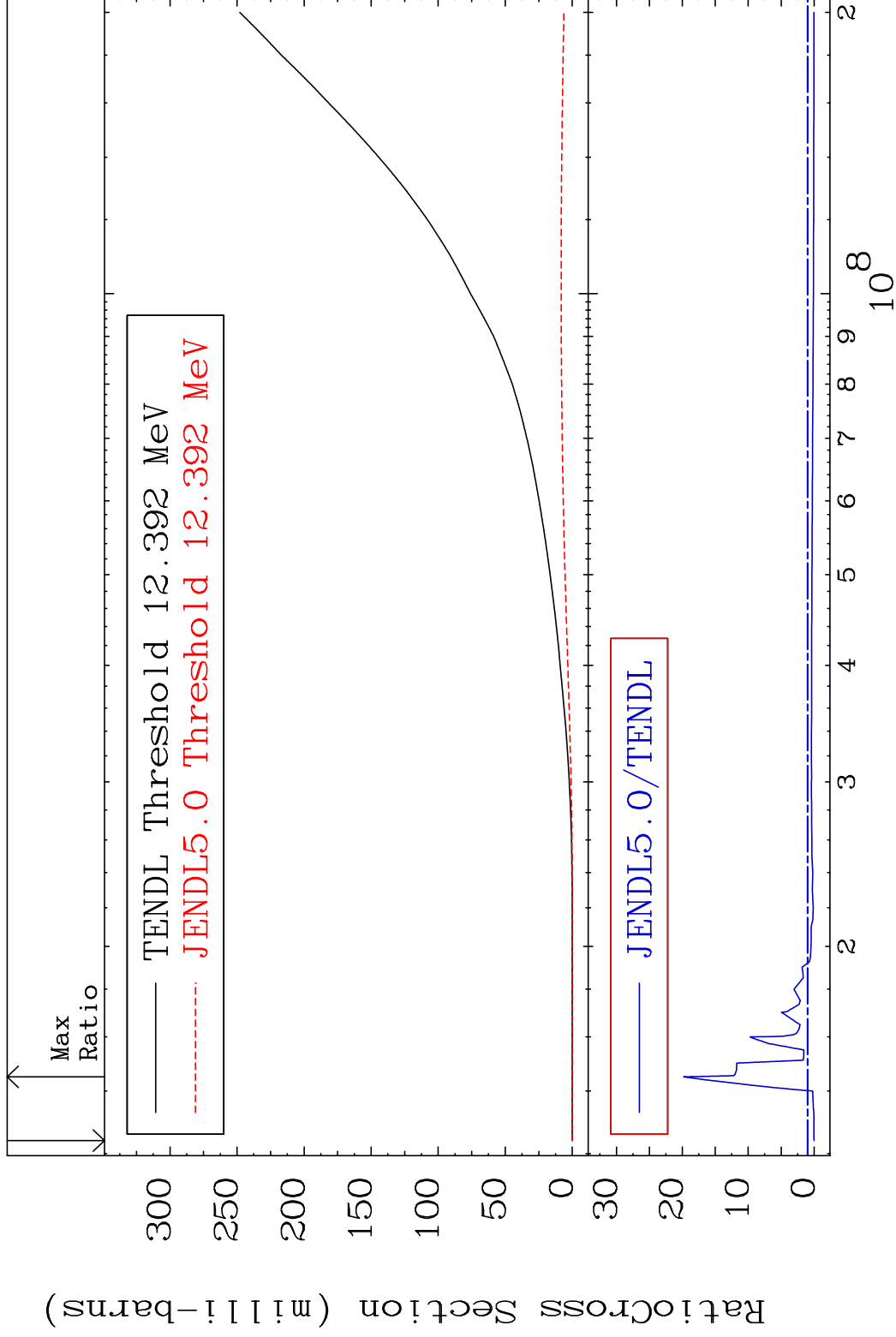
28-Ni-62

MAT 2837

He-3 Production

28-Ni-62

Cross Section -100.0 To 1880. %

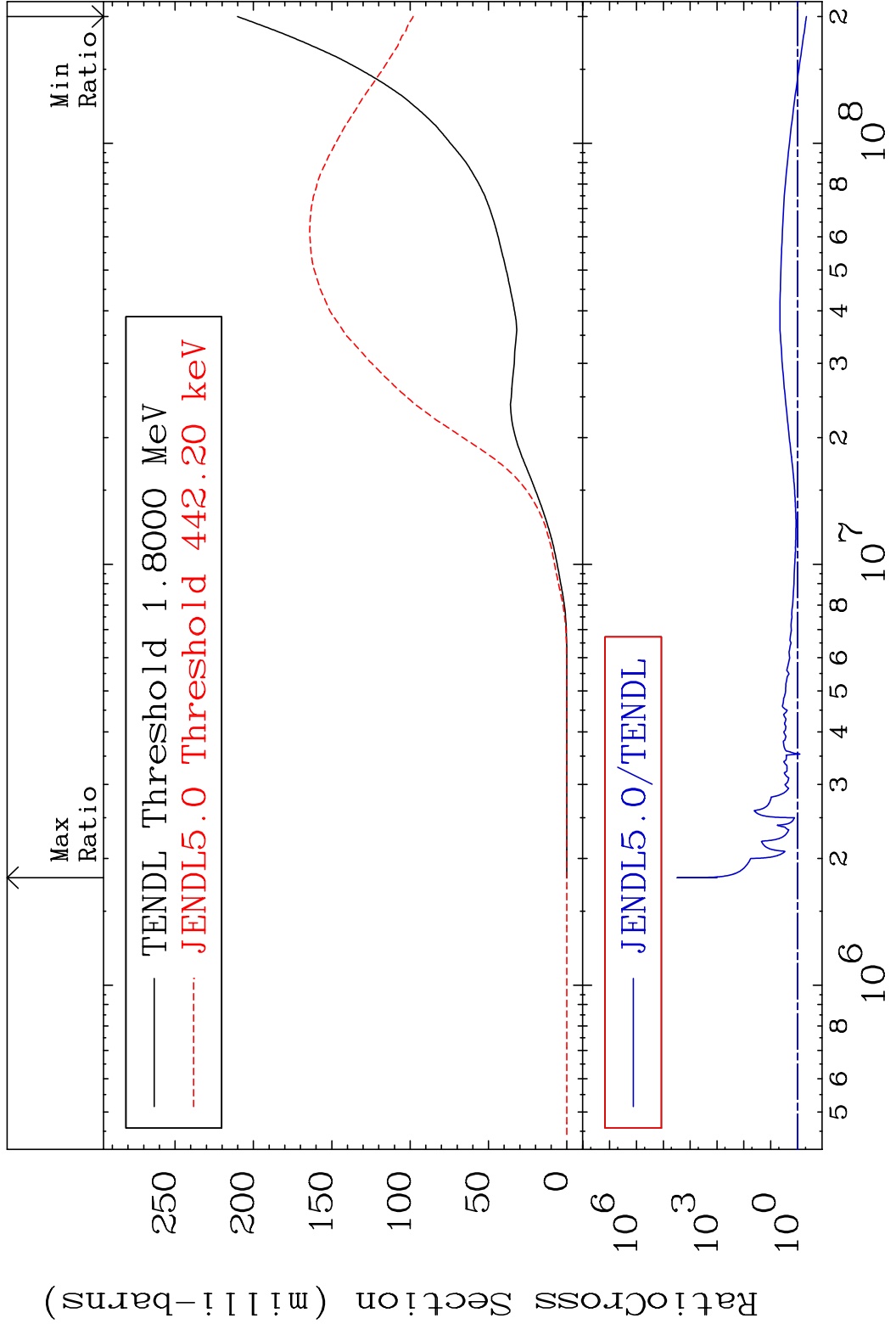


47

Incident Energy (eV)

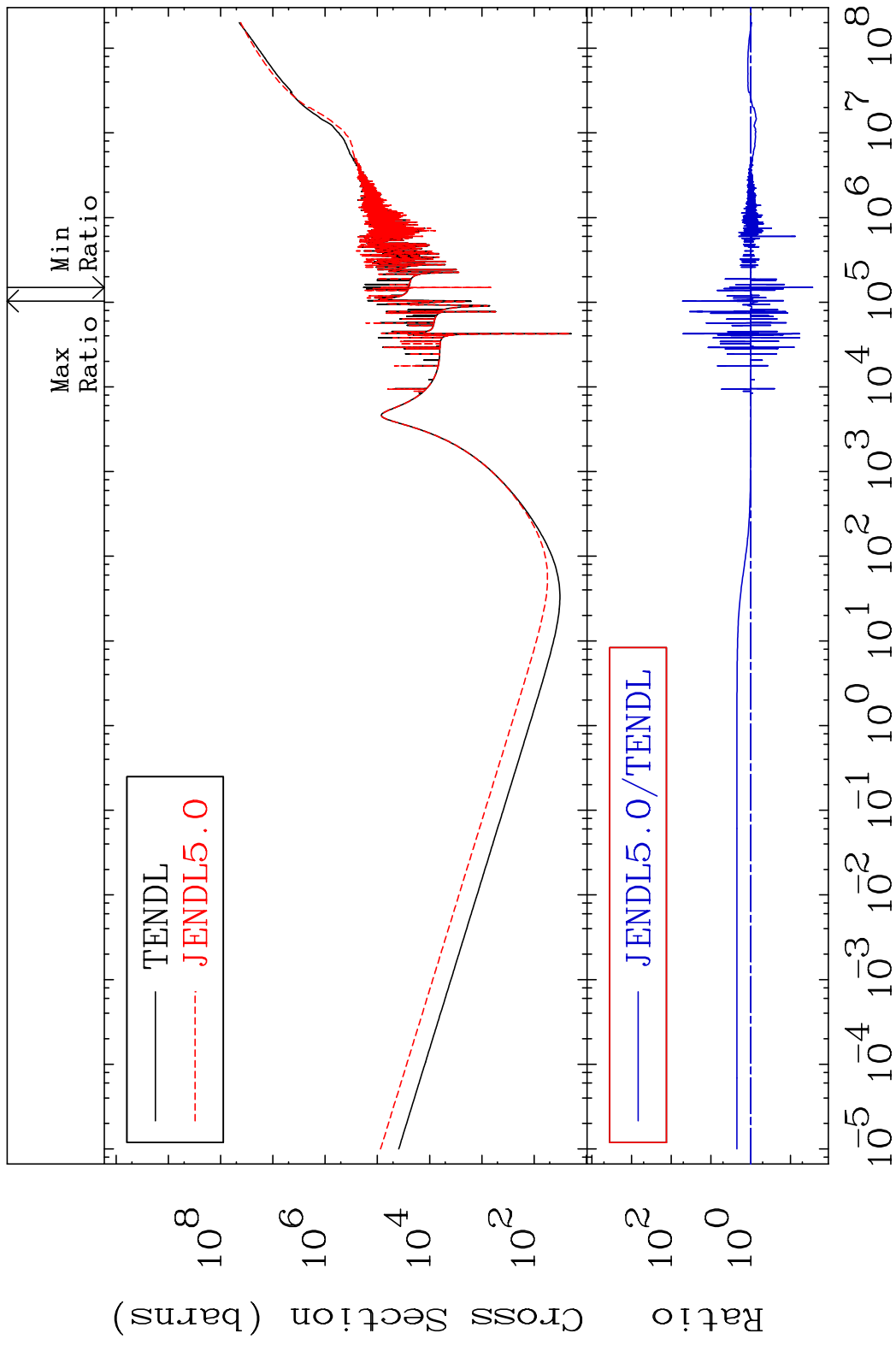
28-Ni-62

MAT 2837 He-4 Production 28-Ni-62
 Cross Section -53.35 To 9999. %



48 Incident Energy (eV) 28-Ni-62

MAT 2837 Kerma total (eV-barns) 28-Ni-62
 Cross Section -97.23 To 5167. %

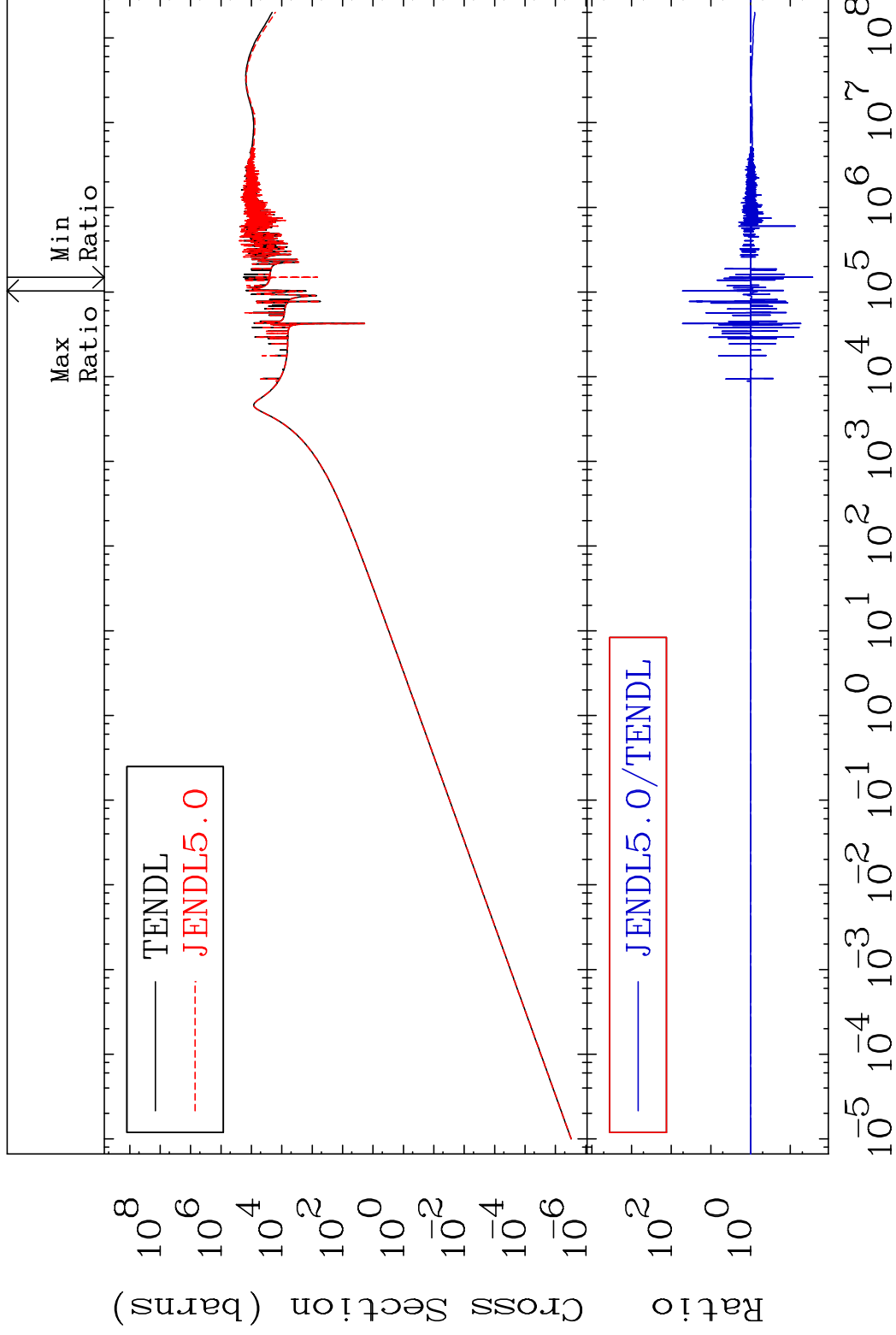


49 Incident Energy (eV) 28-Ni-62

MAT 2837

Kerma elastic
Cross Section

28-Ni-62
-97.24 To 5131. %

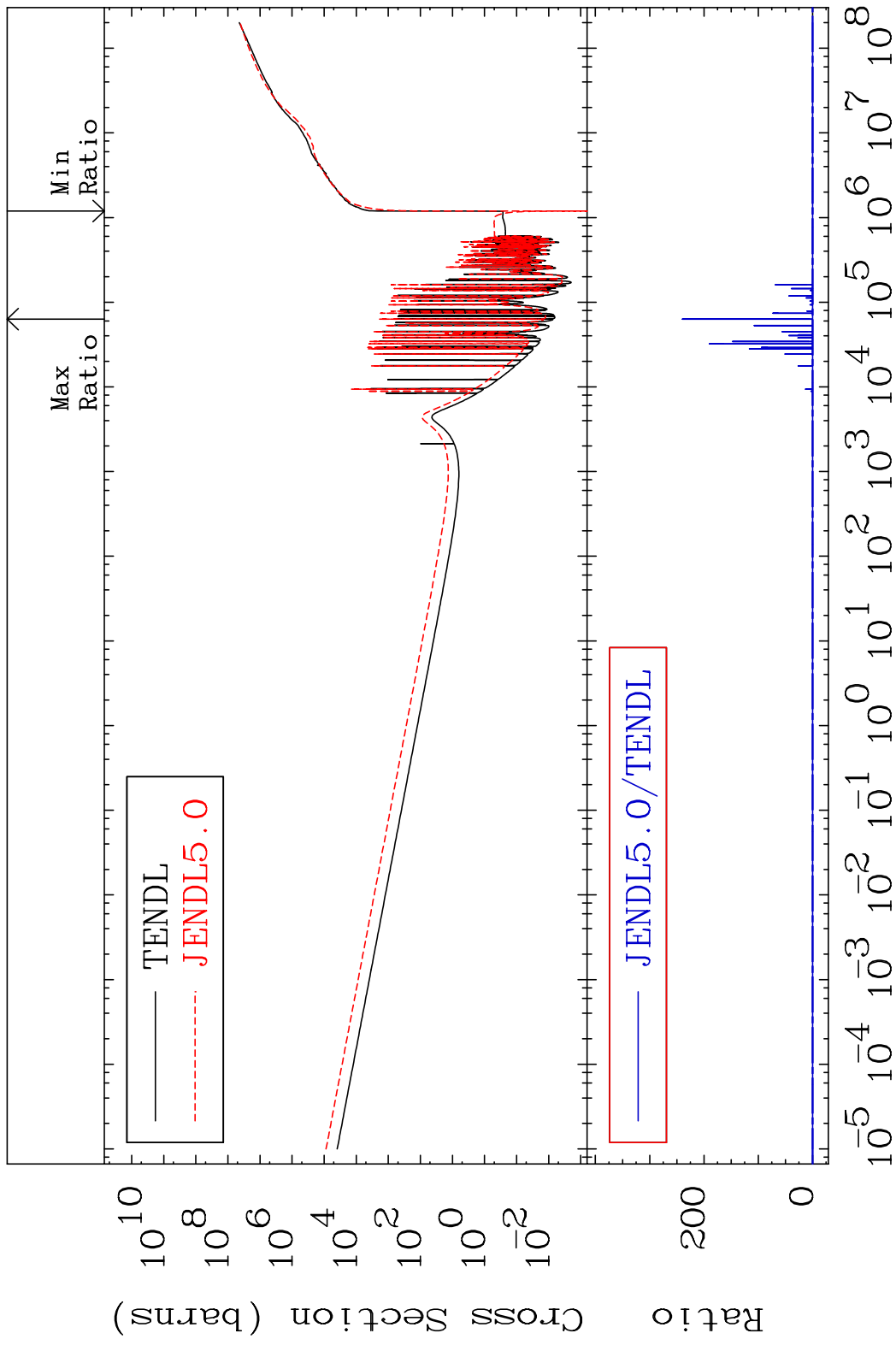


50

Incident Energy (eV)

28-Ni-62

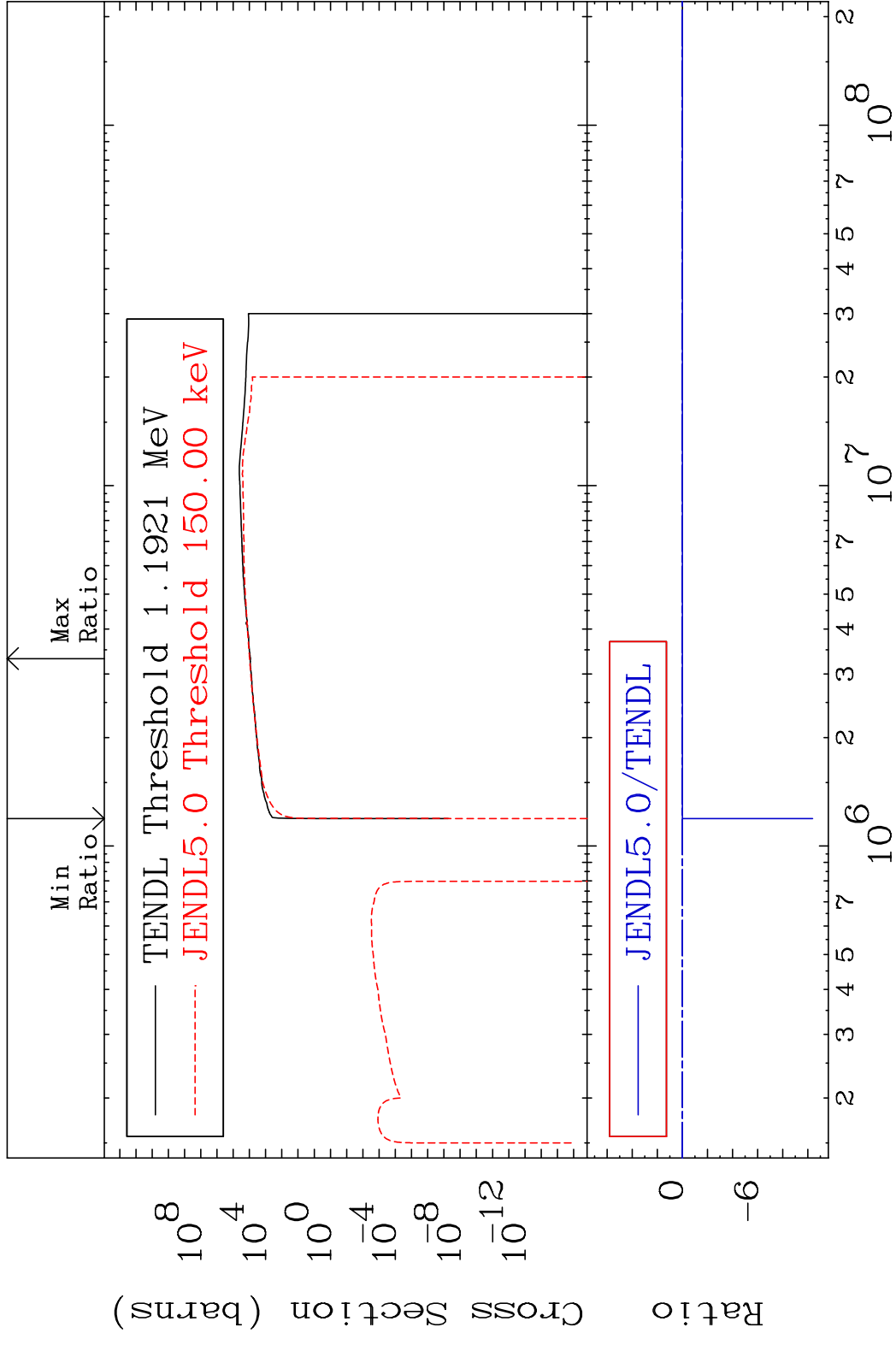
MAT 2837 Kerma non-elastic (all but mt2) 28-Ni-62
 Cross Section -100.3 To 9999. %



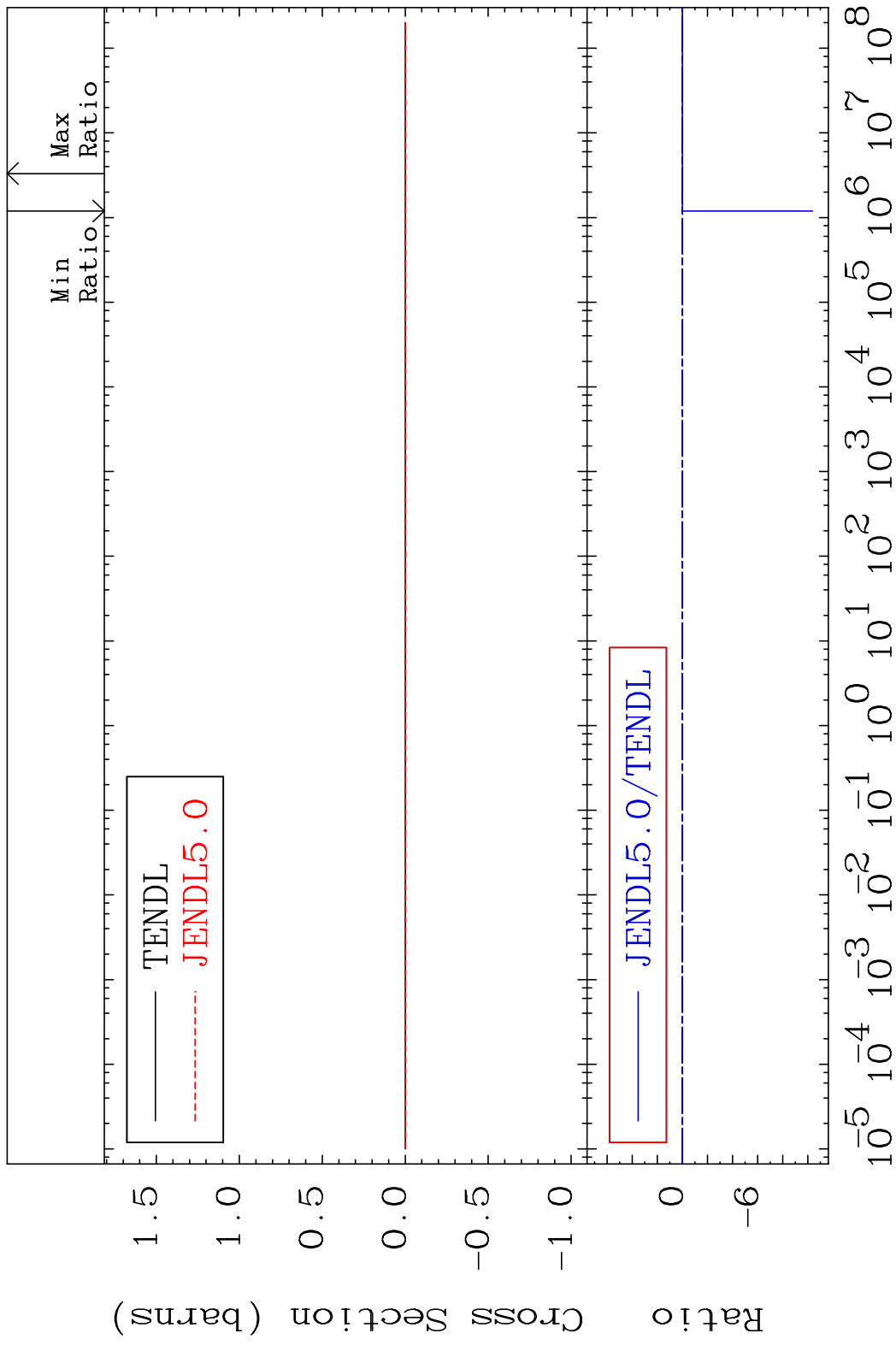
51 Incident Energy (eV) 28-Ni-62

MAT 2837

Kerma inelastic (mt51-91) 28-Ni-62
Cross Section -9999. To 12.77 %

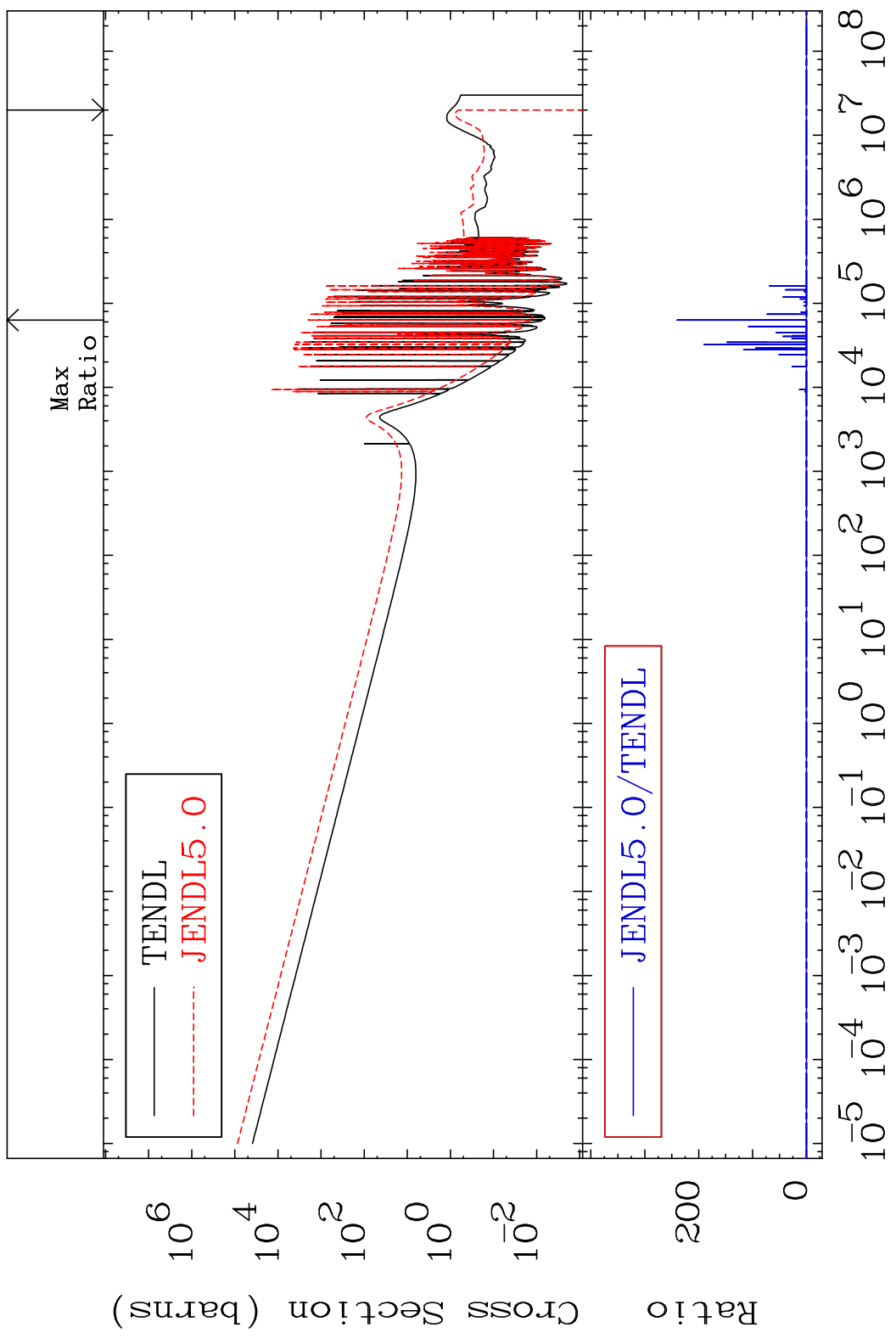


MAT 2837 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-62
 Cross Section -9999. To 12.77 %



MAT 2837

Kerma capture (mt102) 28-Ni-62
Cross Section -100.0 To 9999. %

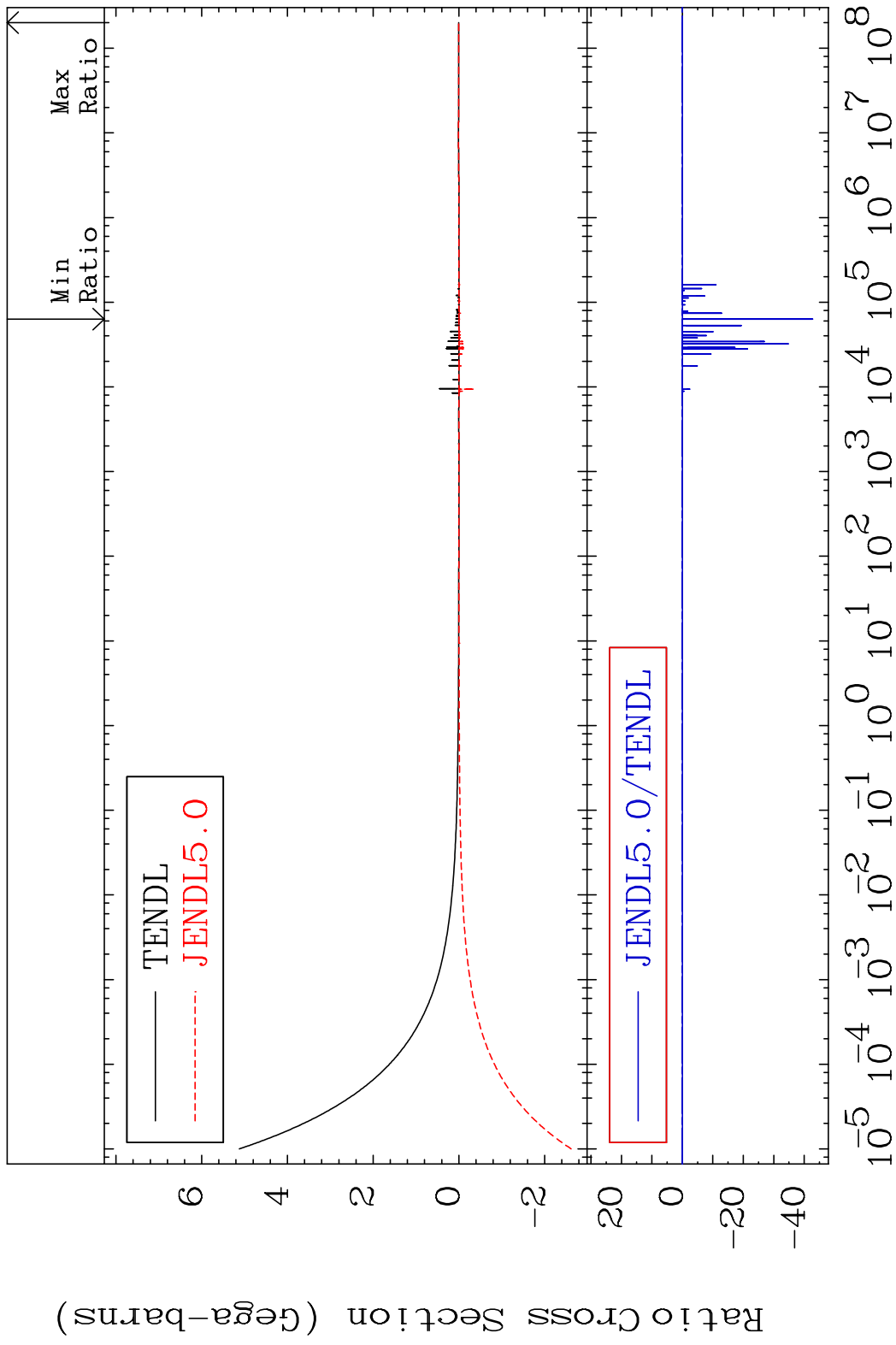


54

Incident Energy (eV)

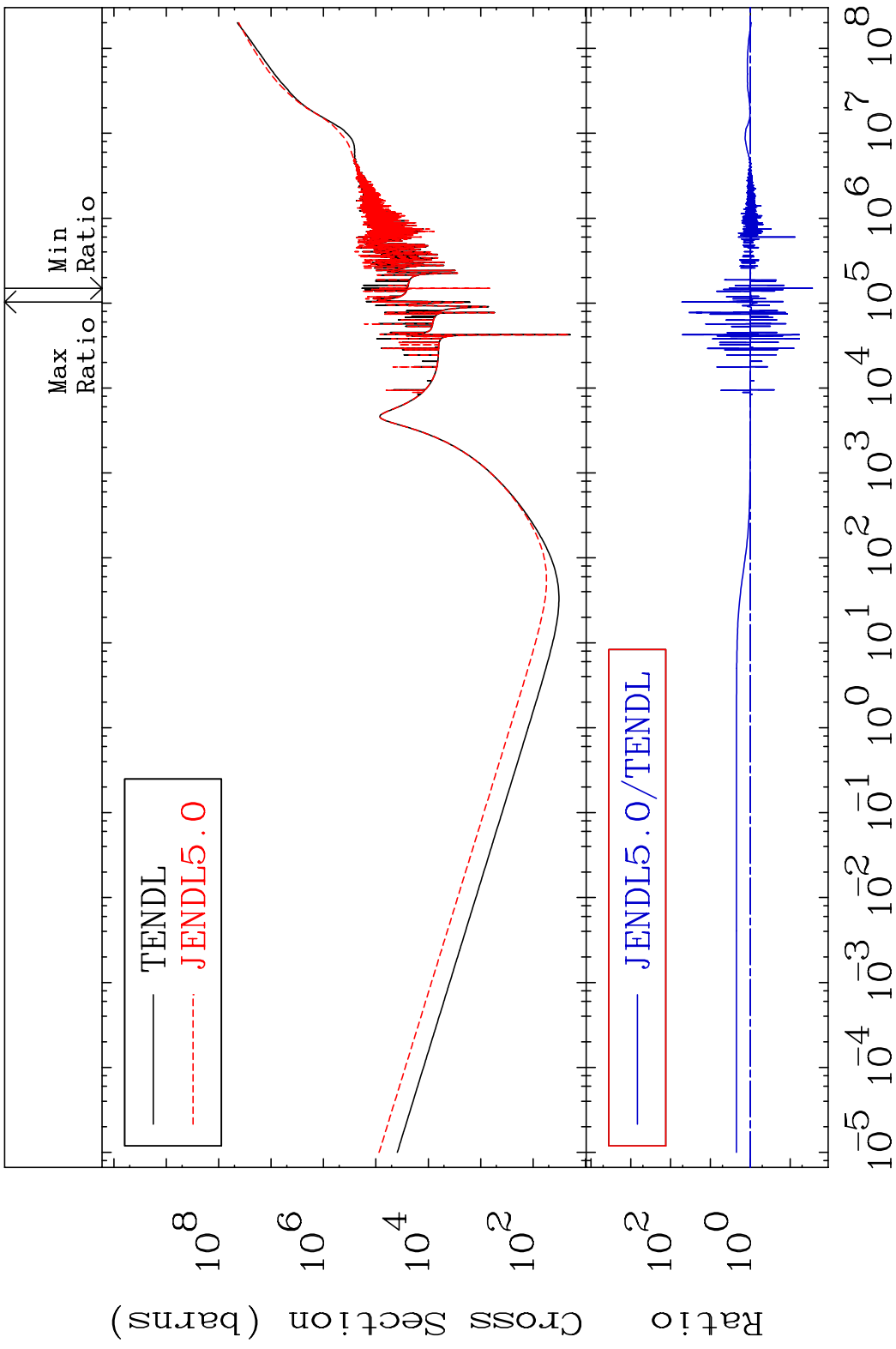
28-Ni-62

MAT 2837 Total photon (eV-barns) 28-Ni-62
Cross Section -9999. To 101.8 %



55 Incident Energy (eV) 28-Ni-62

MAT 2837 Total kinematic kerma (high limit) 28-Ni-62
Cross Section -97.23 To 5167. %

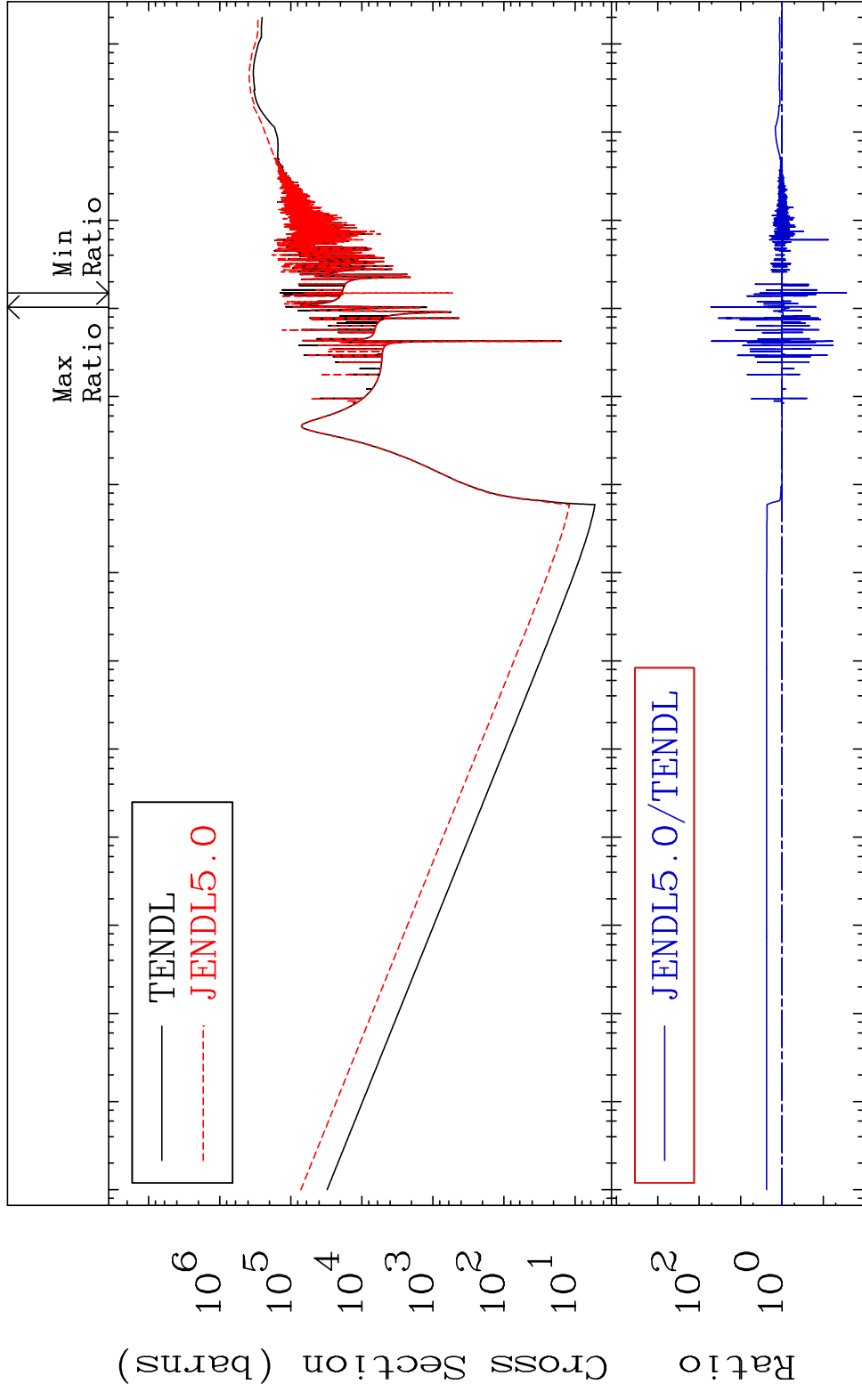


MAT 2837

Dpa total (eV-barns)

28-Ni-62

Cross Section -97.23 To 5169. %



57

Incident Energy (eV)

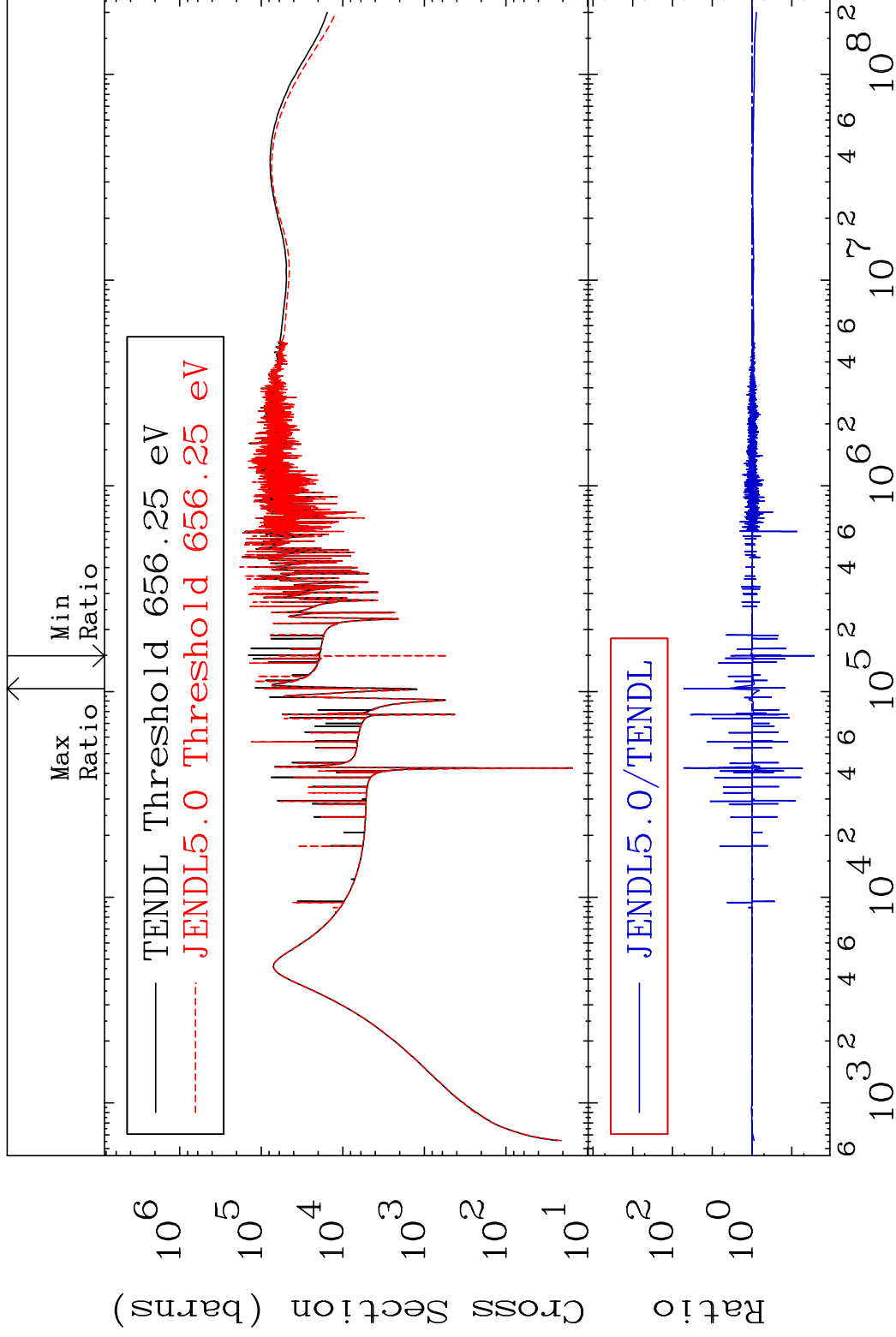
28-Ni-62

MAT 2837

Dpa elastic (mt2)

28-Ni-62

Cross Section -97.24 To 5132. %



58

Incident Energy (eV)

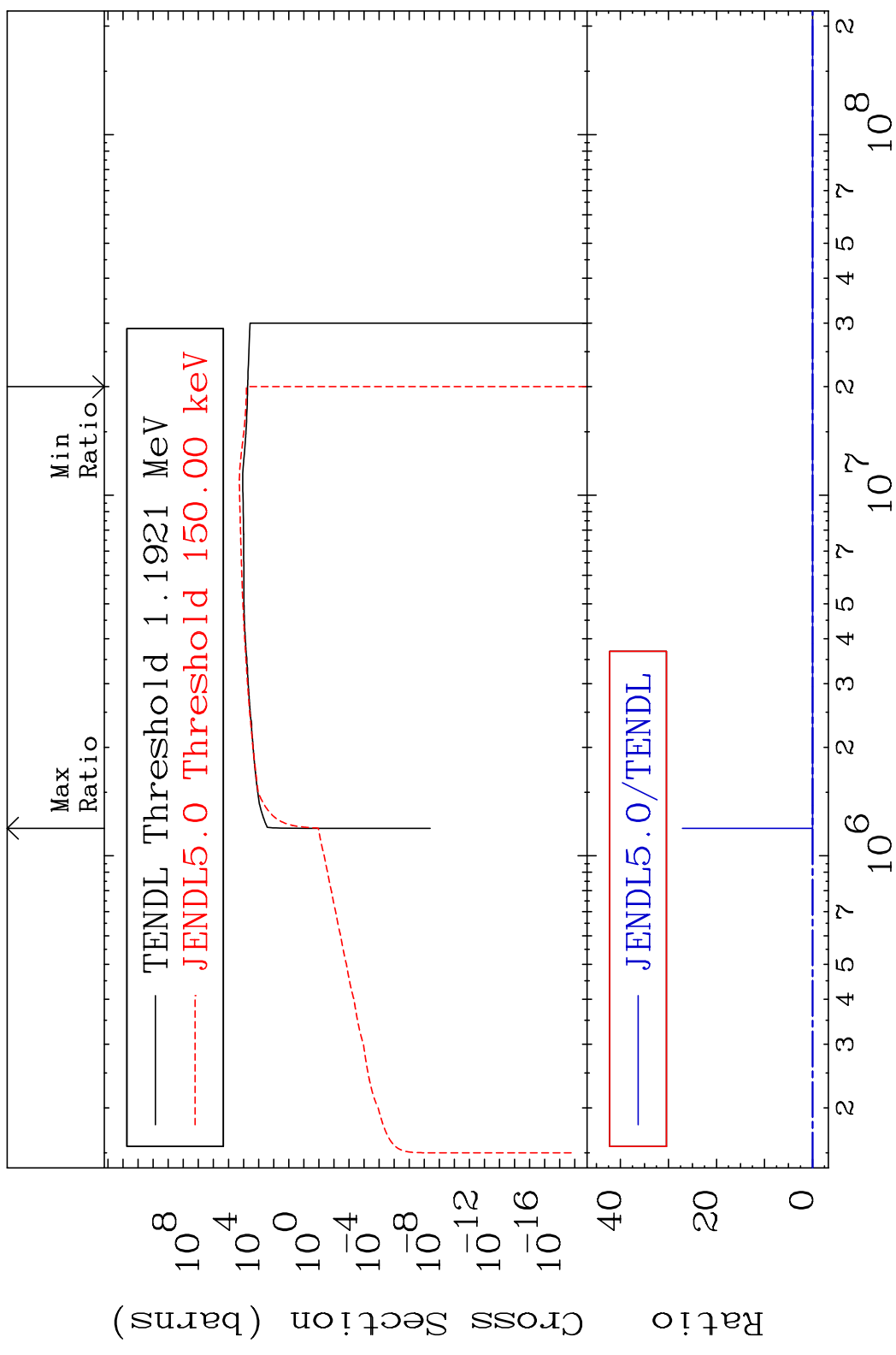
28-Ni-62

MAT 2837

Dpa inelastic (mt51-91)

28-Ni-62

Cross Section -100.0 To 9999. %

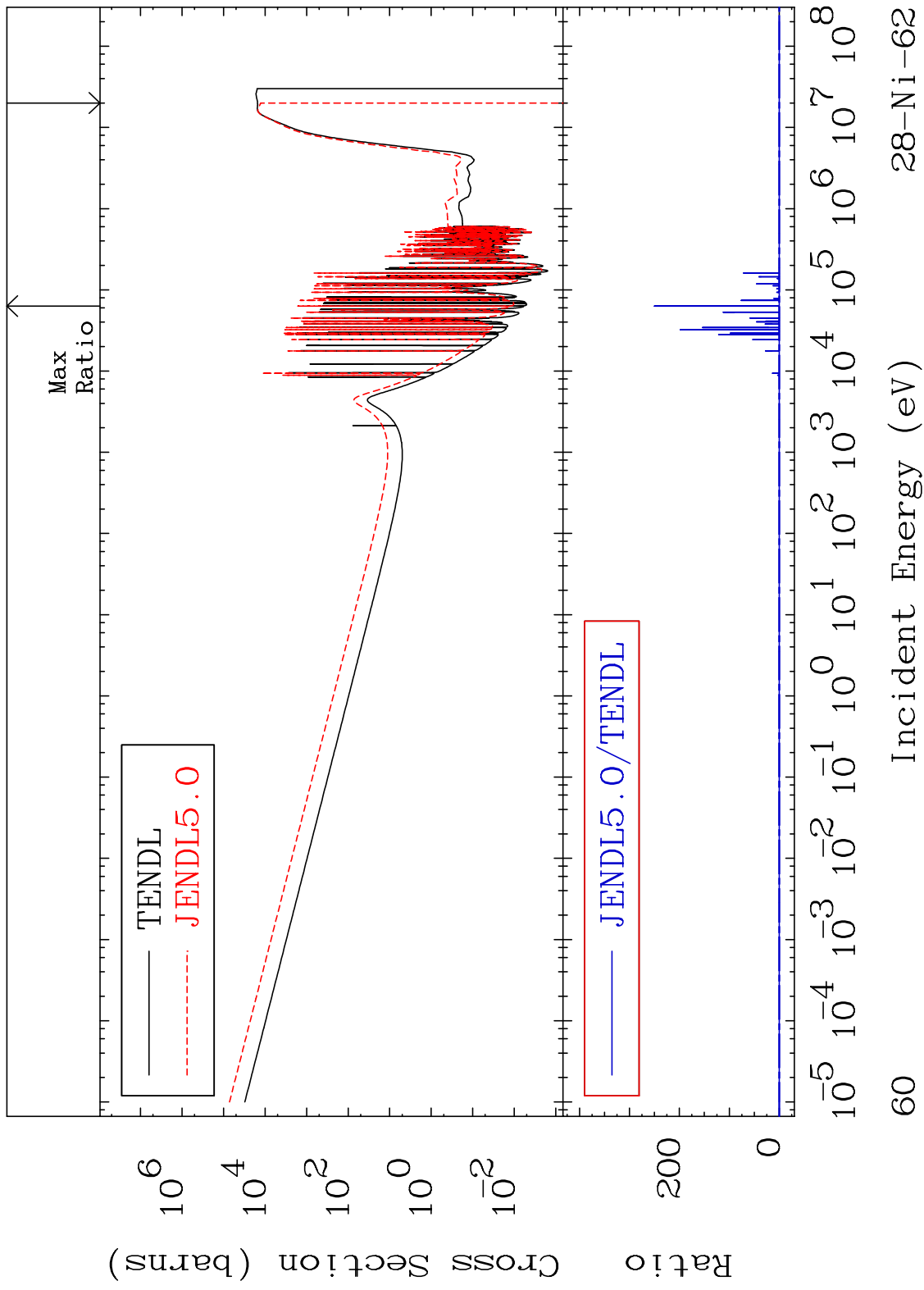


59

Incident Energy (eV)

28-Ni-62

MAT 2837 Dpa disappearance (mt102 -120) 28-Ni-62
Cross Section -100.0 To 9999. %

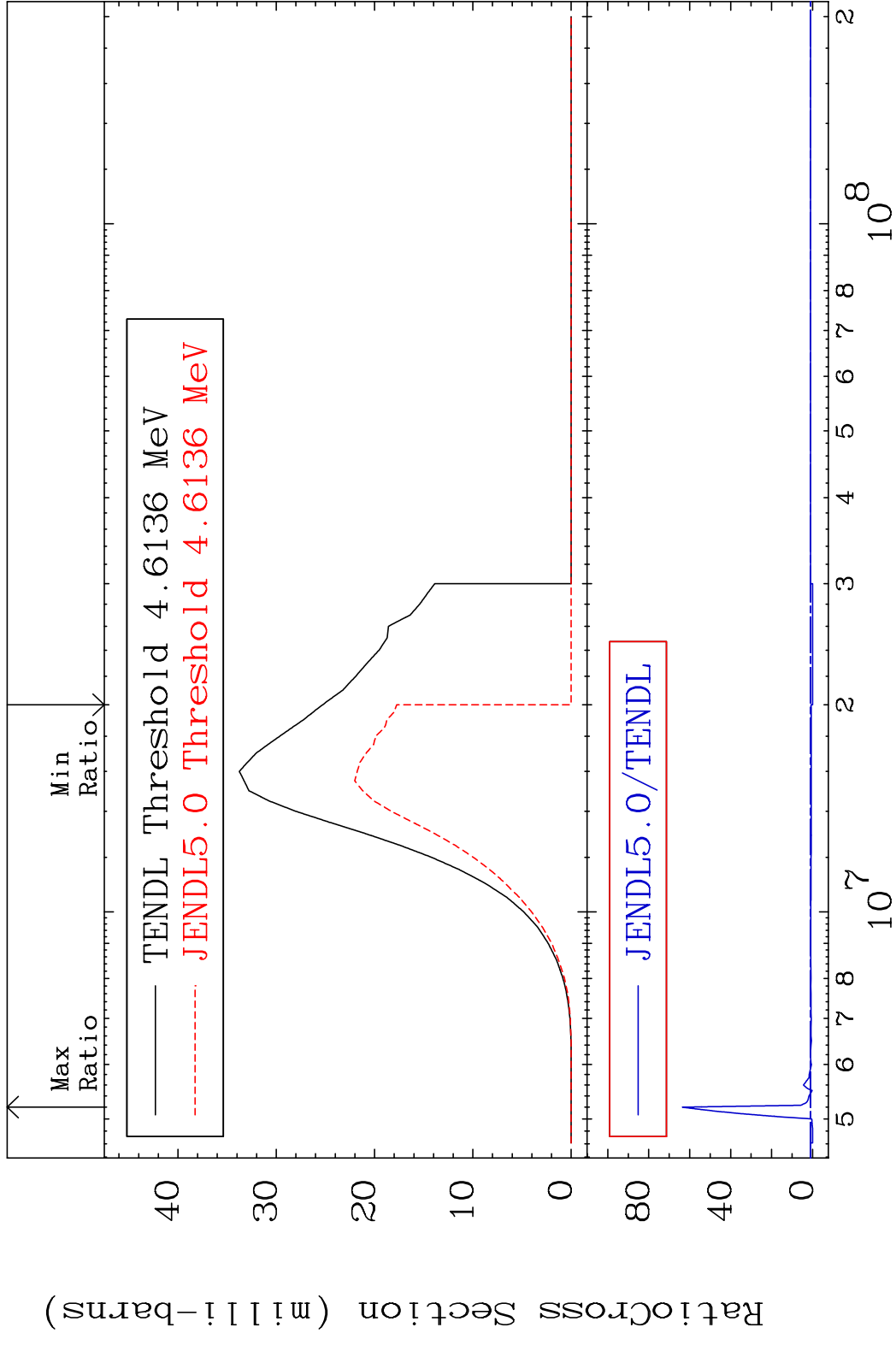


60

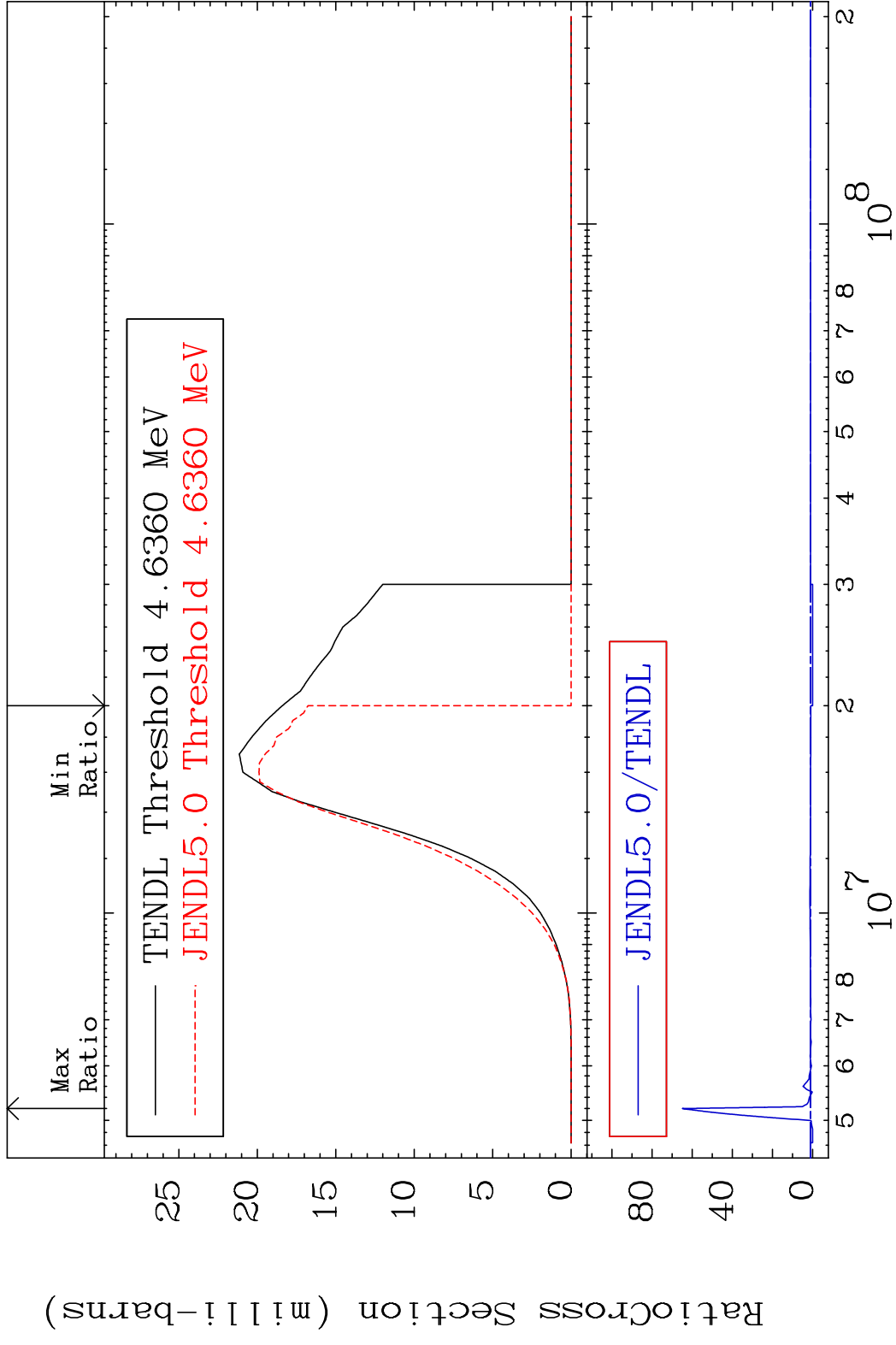
Incident Energy (eV)

28-Ni-62

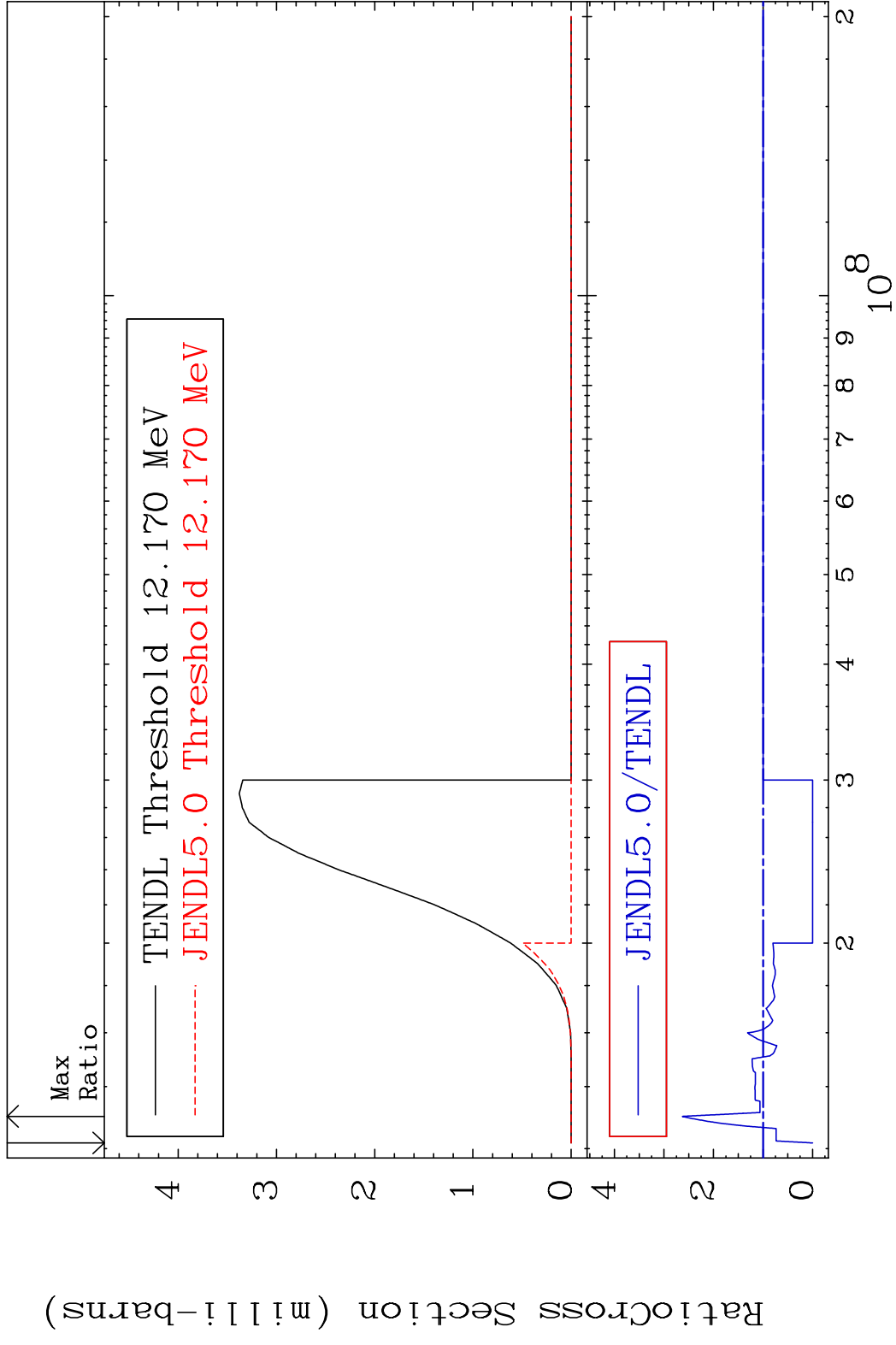
MAT 2837 (n,p):27-Co-62g 28-Ni-62
 Radionuclide Production Cross Section Ratio



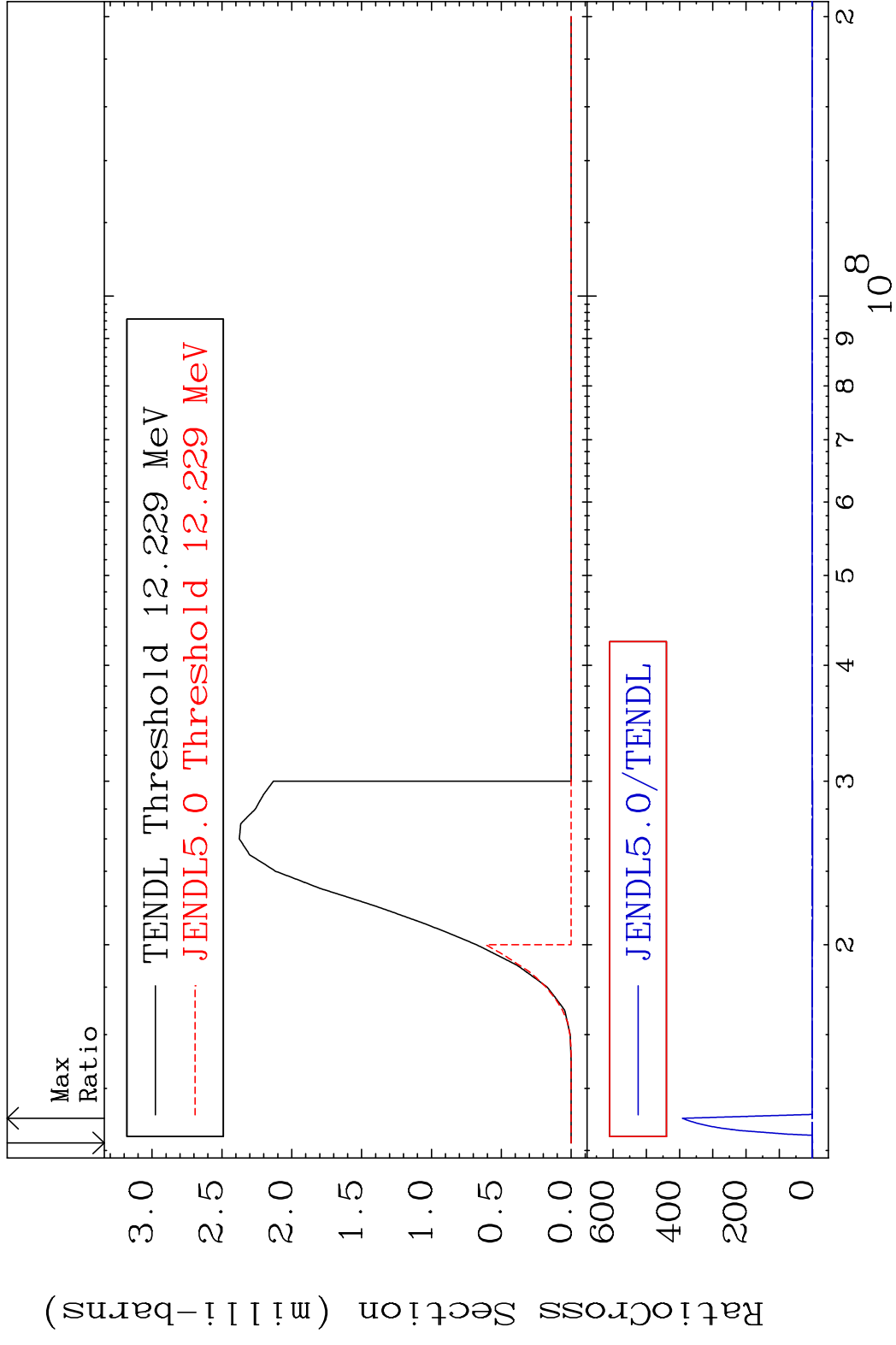
MAT 2837 (n,p):27-Co-62m1 28-Ni-62
 Radionuclide Production Cross Section (%) 6388. %



MAT 2837 (n, t):27-Co-60g 28-Ni-62
 Radionuclide Production Cross Section 180.0 mb 162.9 %

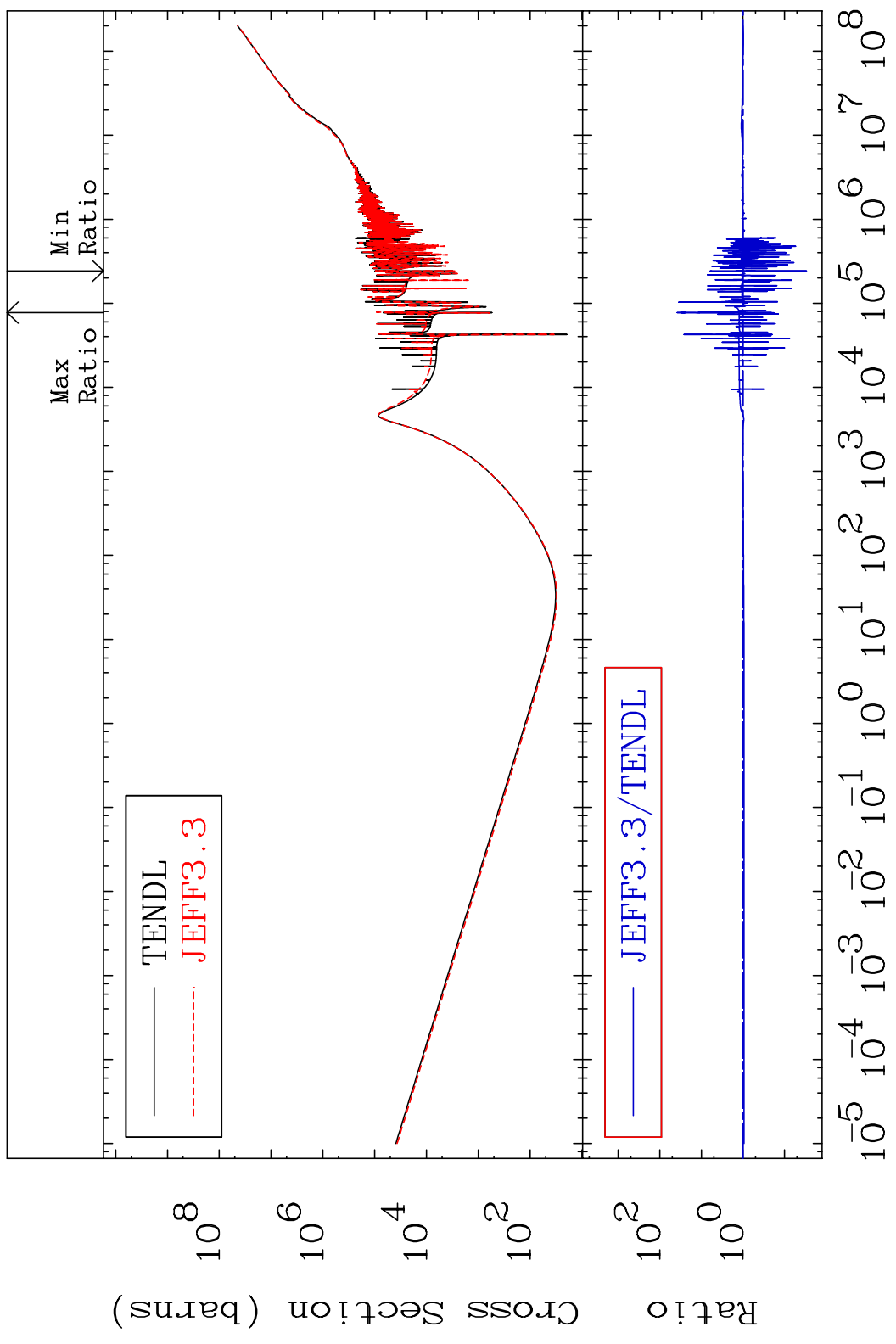


MAT 2837 (n,t):27-Co-60m1 28-Ni-62
 Radionuclide Production Cross Section (%)



MAT 2837

Kerma total (eV-barns) 28-Ni-62
Cross Section -97.03 To 3720. %



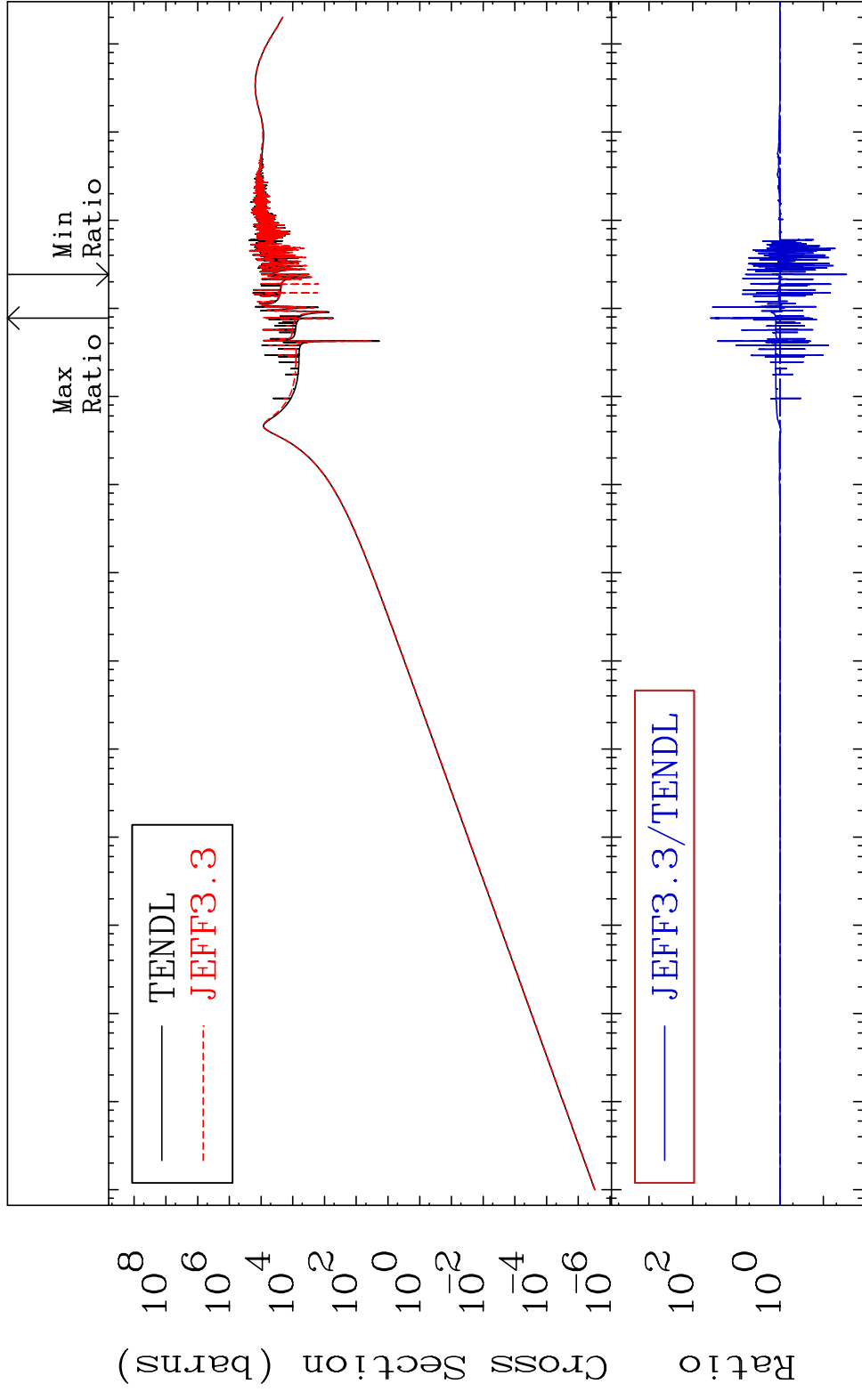
65

Incident Energy (eV) 28-Ni-62

MAT 2837

Kerma elastic
Cross Section

28-Ni-62
-97.03 To 3738. %

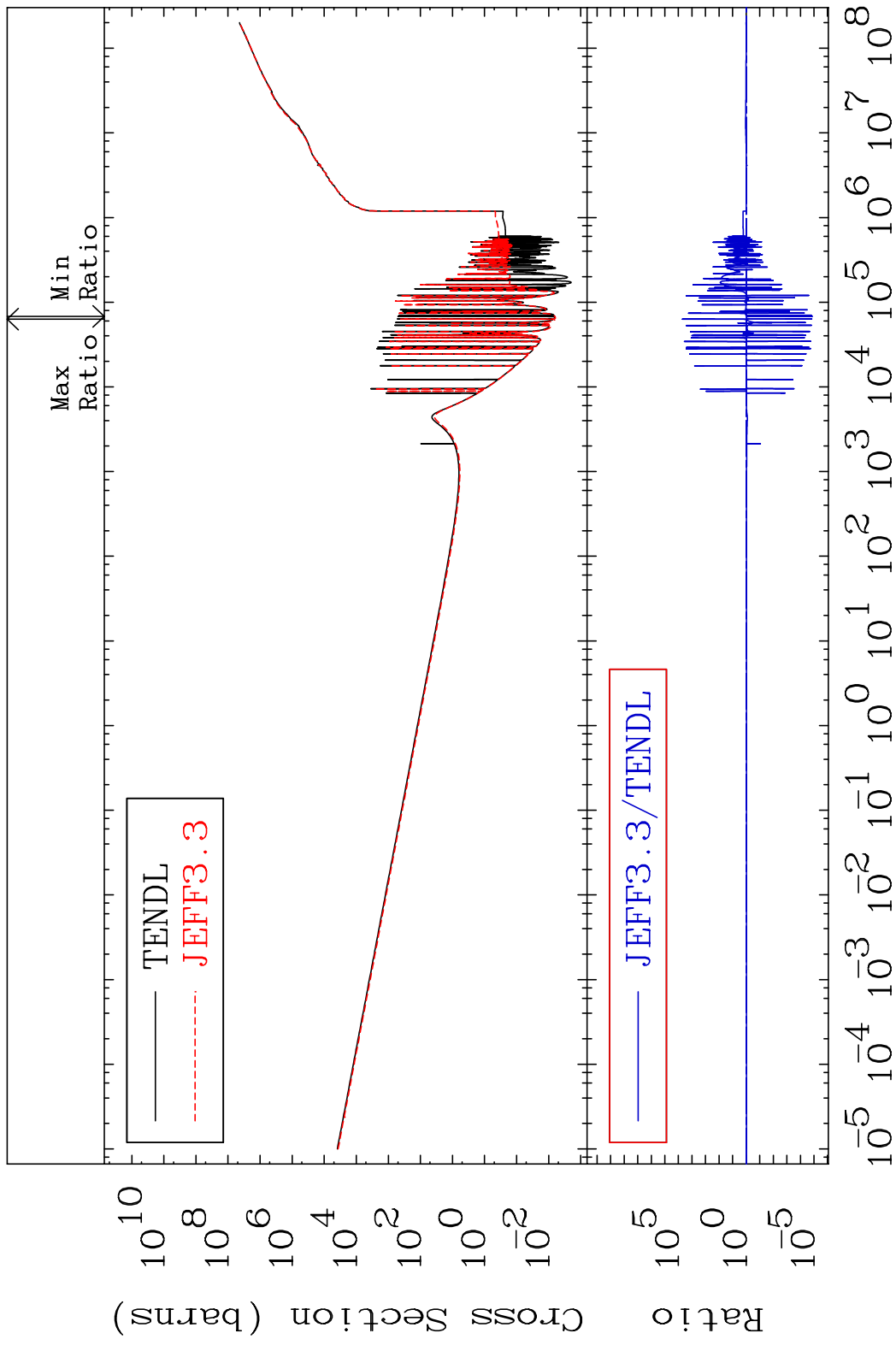


66

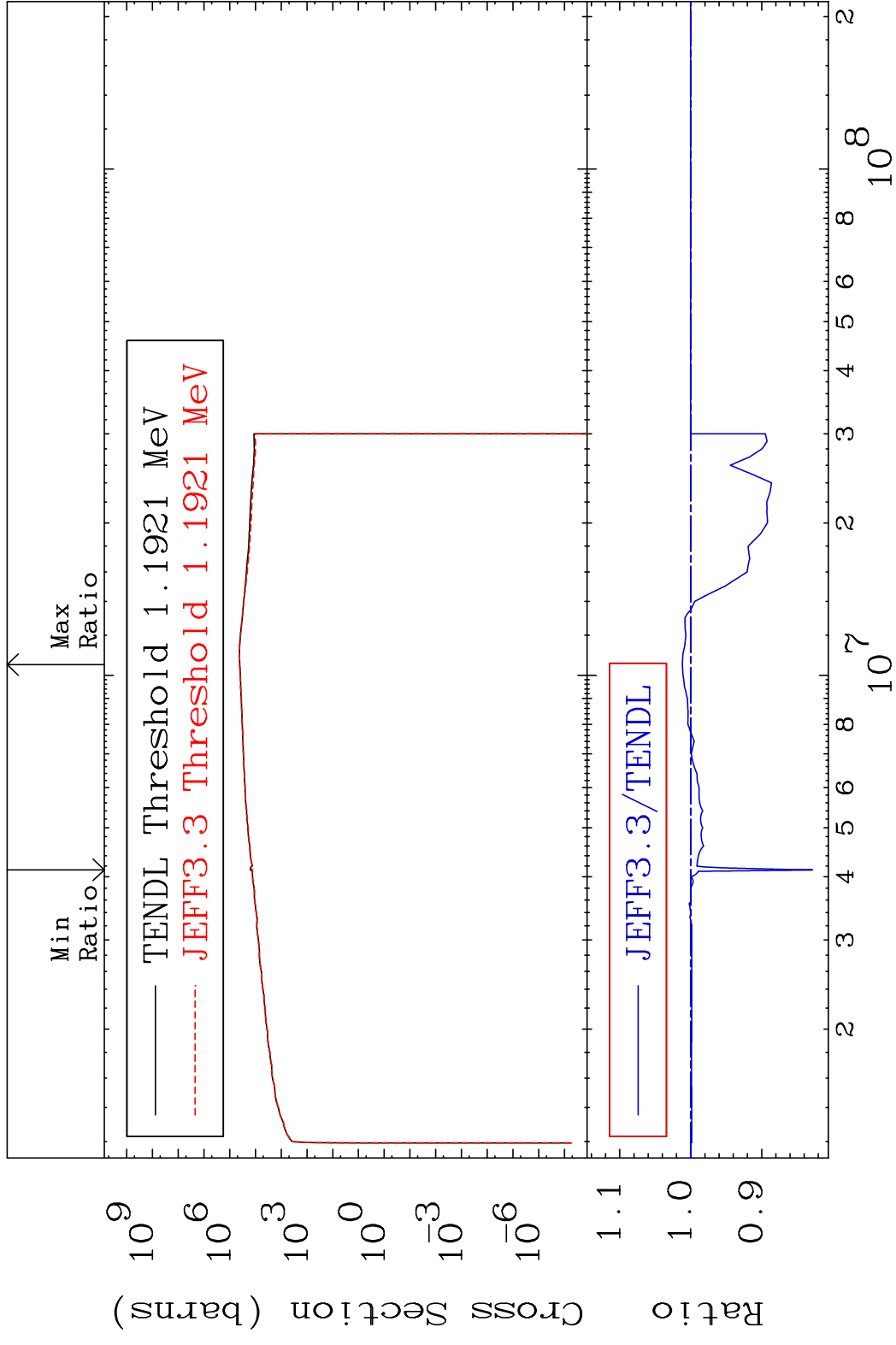
Incident Energy (eV)

28-Ni-62

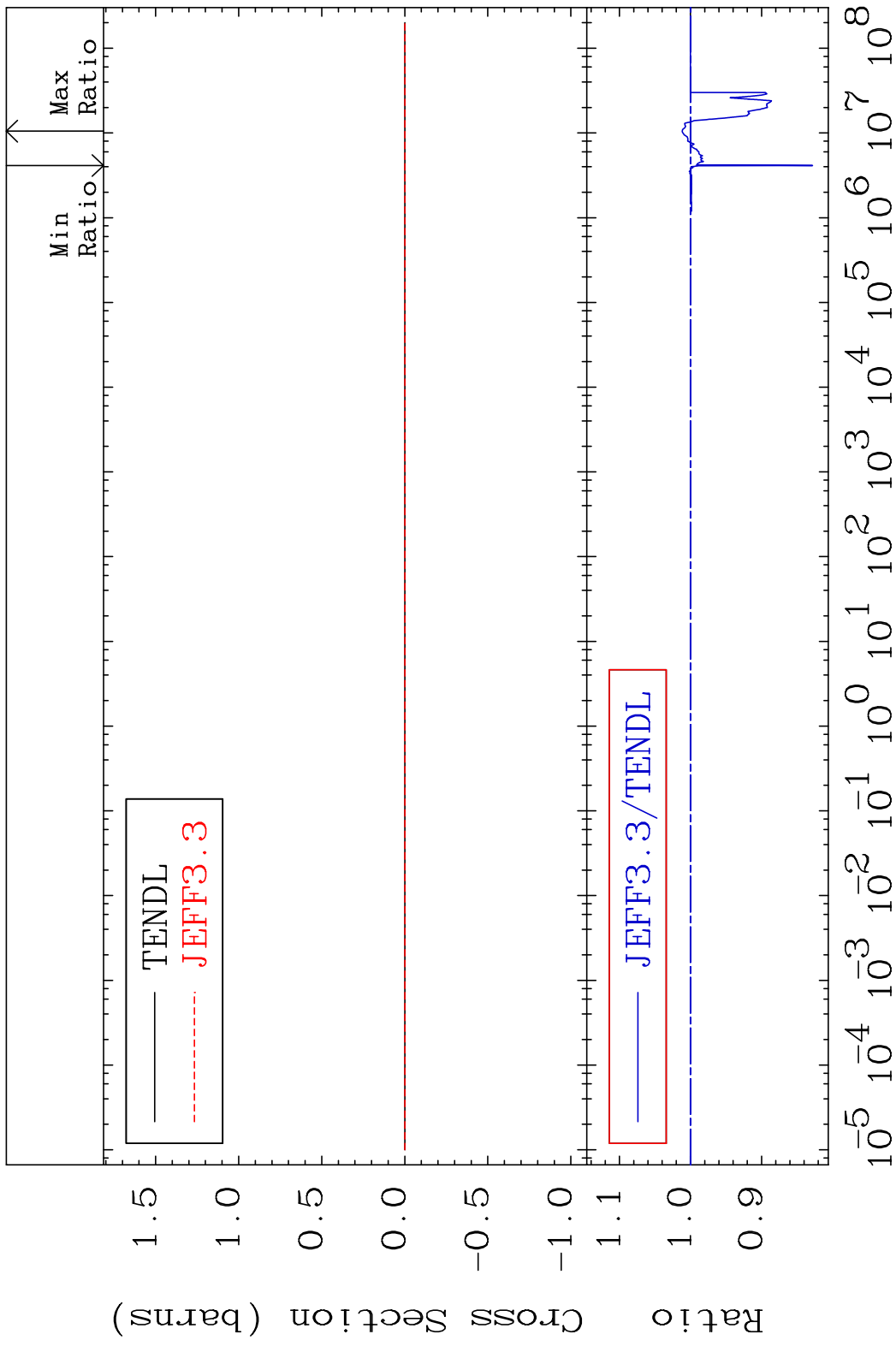
MAT 2837 Kerma non-elastic (all but mt2) 28-Ni-62
 Cross Section -100.0 To 9999. %



MAT 2837 Kerma inelastic (mt51-91) 28-Ni-62
 Cross Section -17.17 To 1.177 %



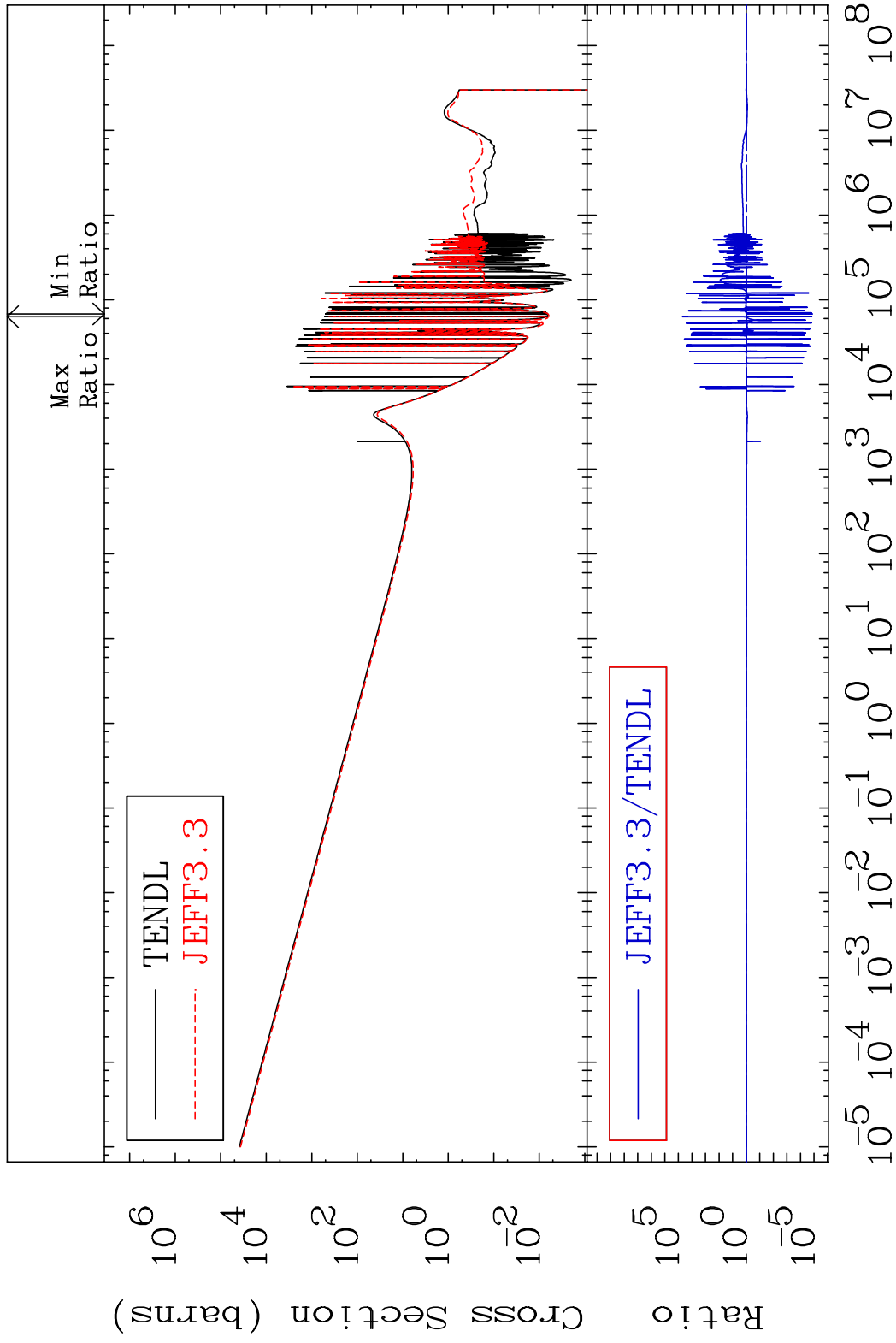
MAT 2837 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-62
 Cross Section -17.17 To 1.177 %



MAT 2837

Kerma capture (mt102) 28-Ni-62

Cross Section -100.0 To 9999. %



70

Incident Energy (eV)

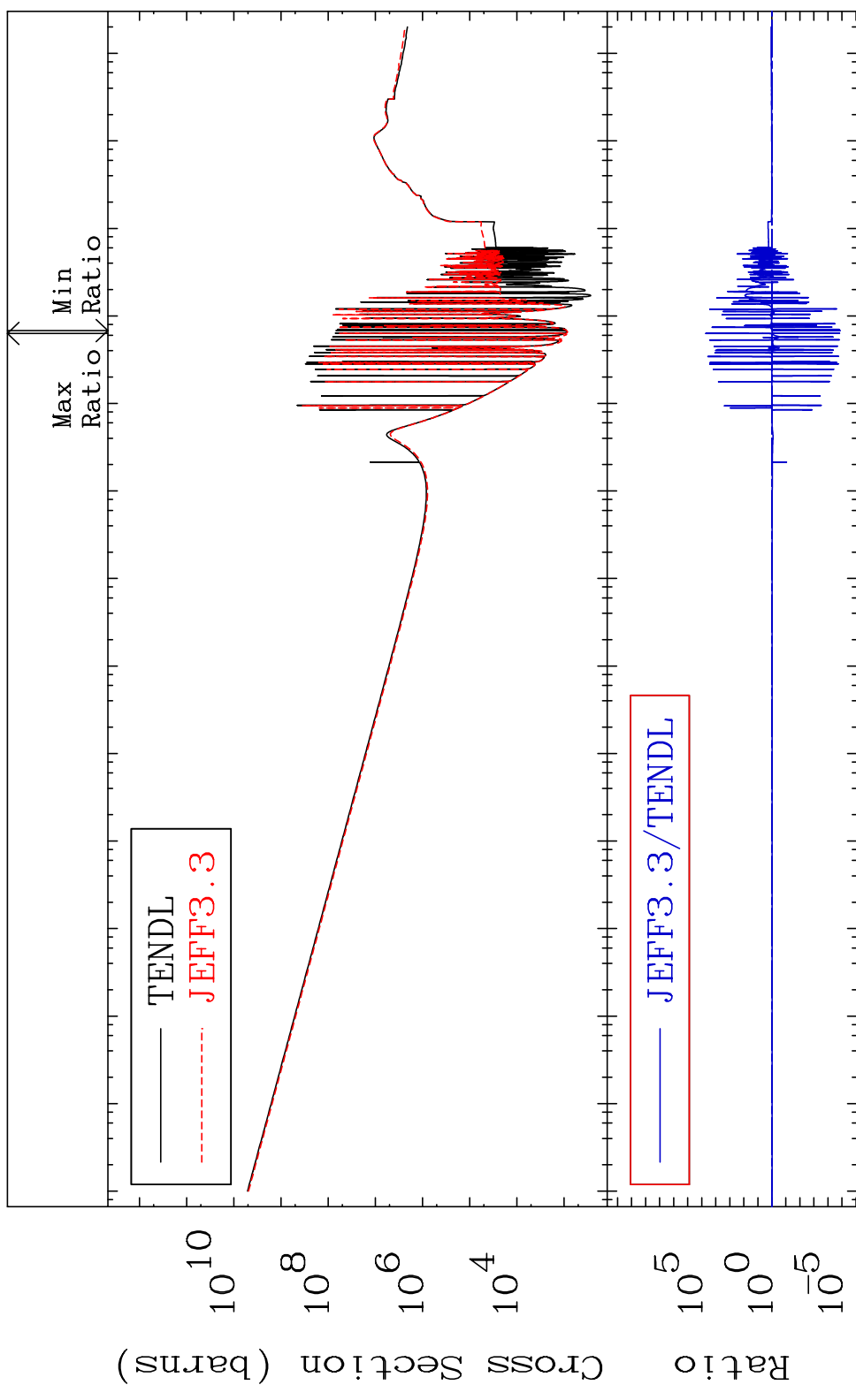
28-Ni-62

MAT 2837

Total photon (eV-barns)

28-Ni-62

Cross Section -100.0 To 9999. %

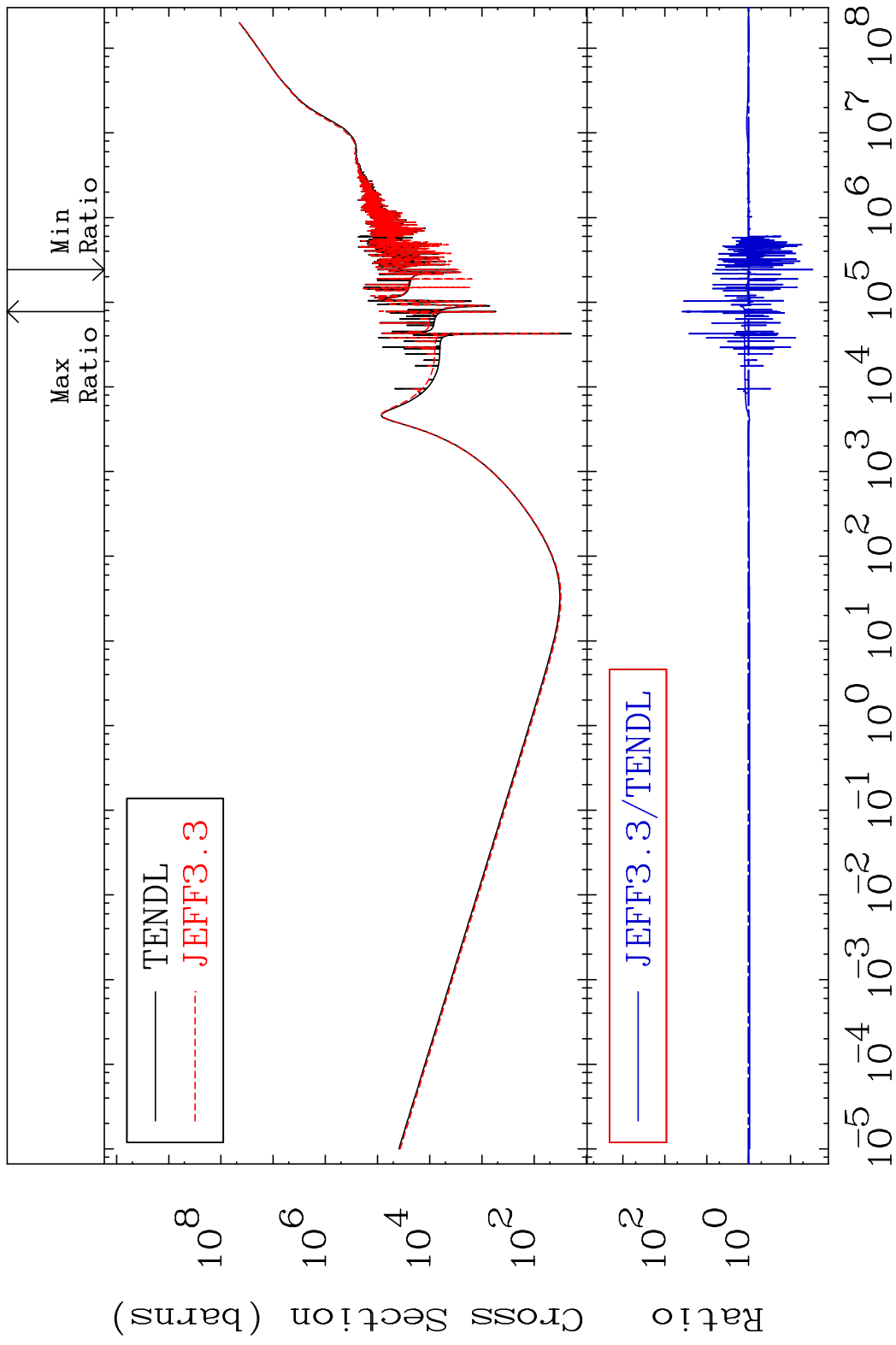


71

Incident Energy (eV)

28-Ni-62

MAT 2837 Total kinematic kerma (high limit) 28-Ni-62
Cross Section -97.03 To 3720. %

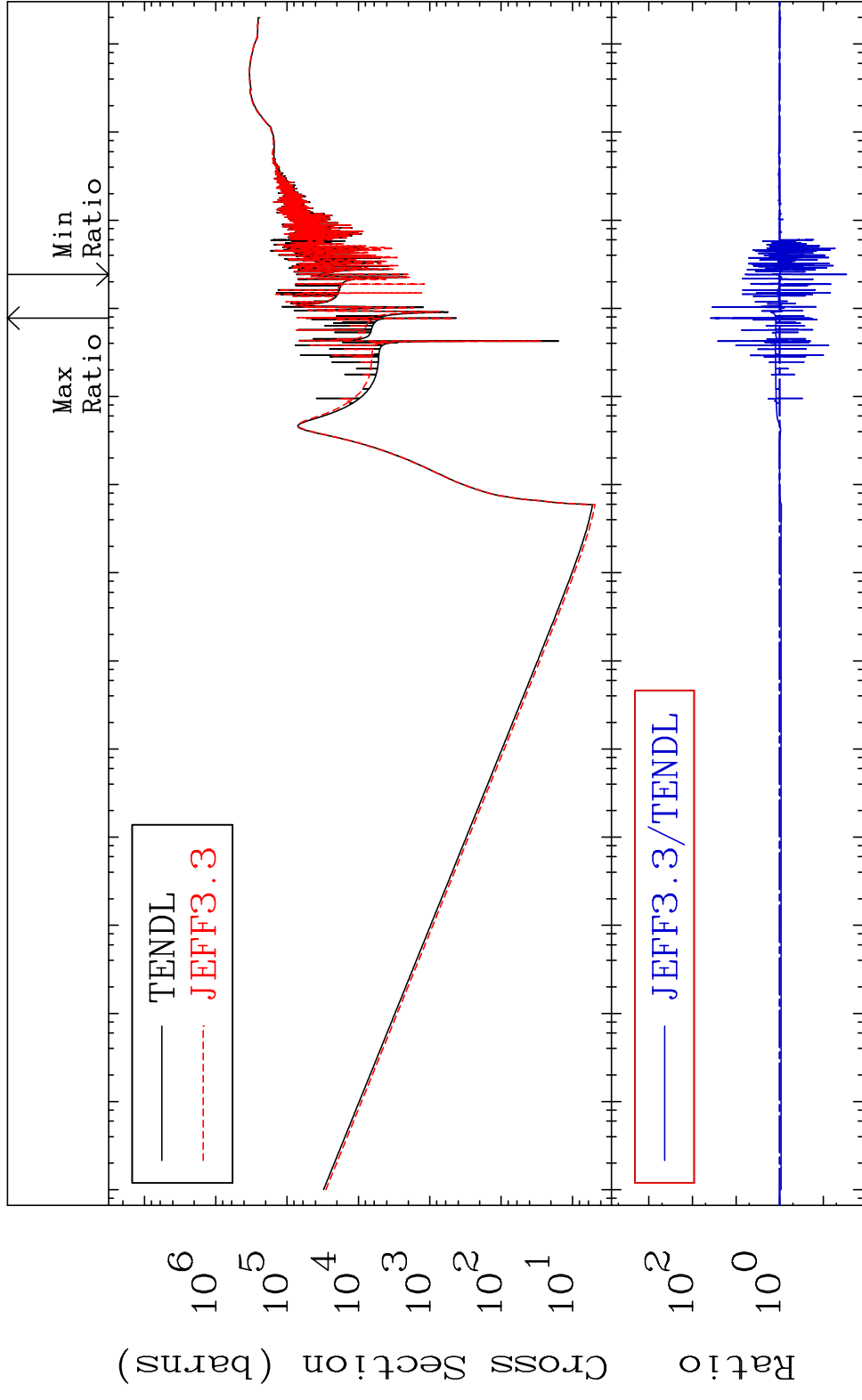


MAT 2837

Dpa total (eV-barns)

28-Ni-62

Cross Section -97.03 To 3720. %



73

Incident Energy (eV)

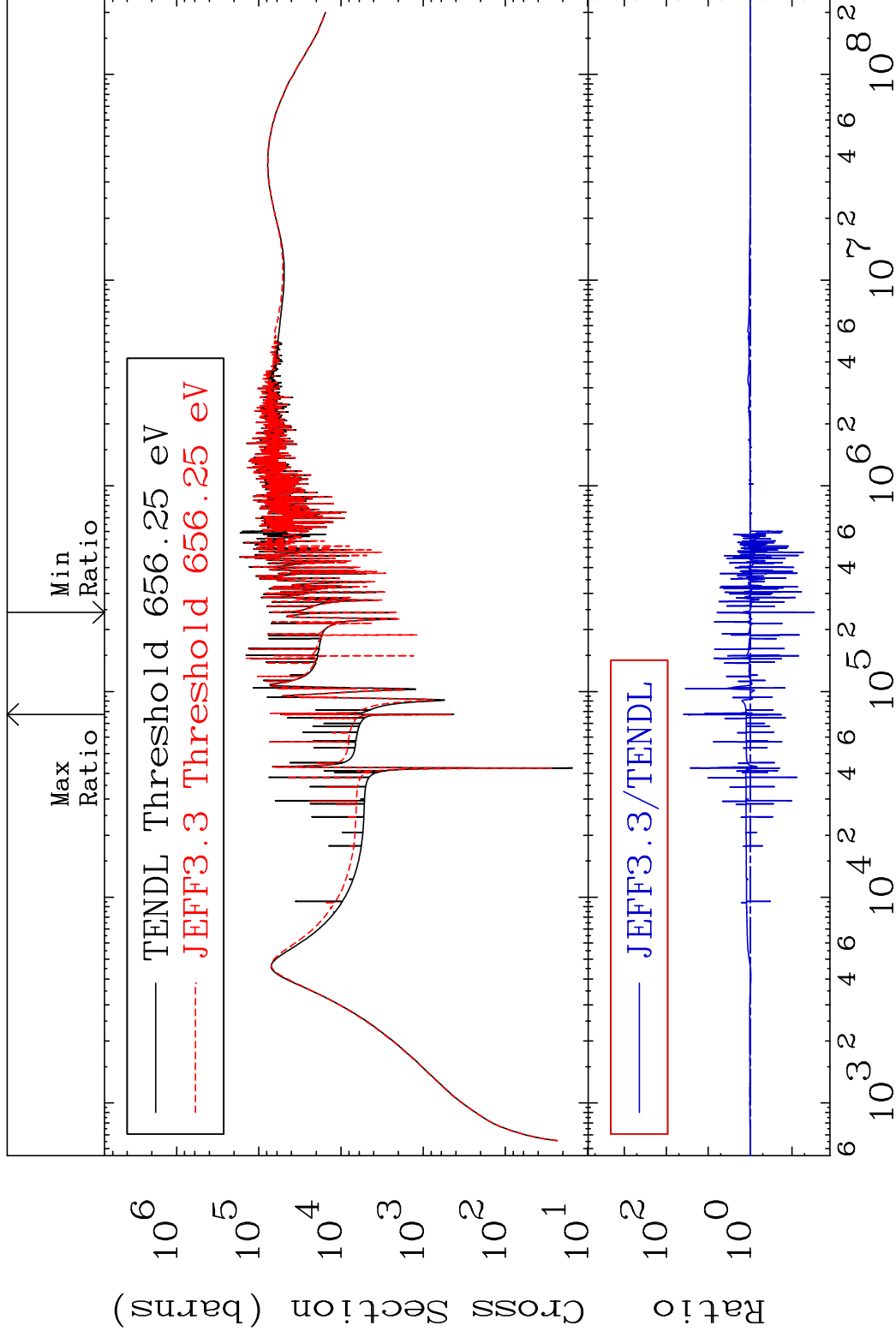
28-Ni-62

MAT 2837

Dpa elastic (mt2)

28-Ni-62

Cross Section -97.03 To 3738. %



74

Incident Energy (eV)

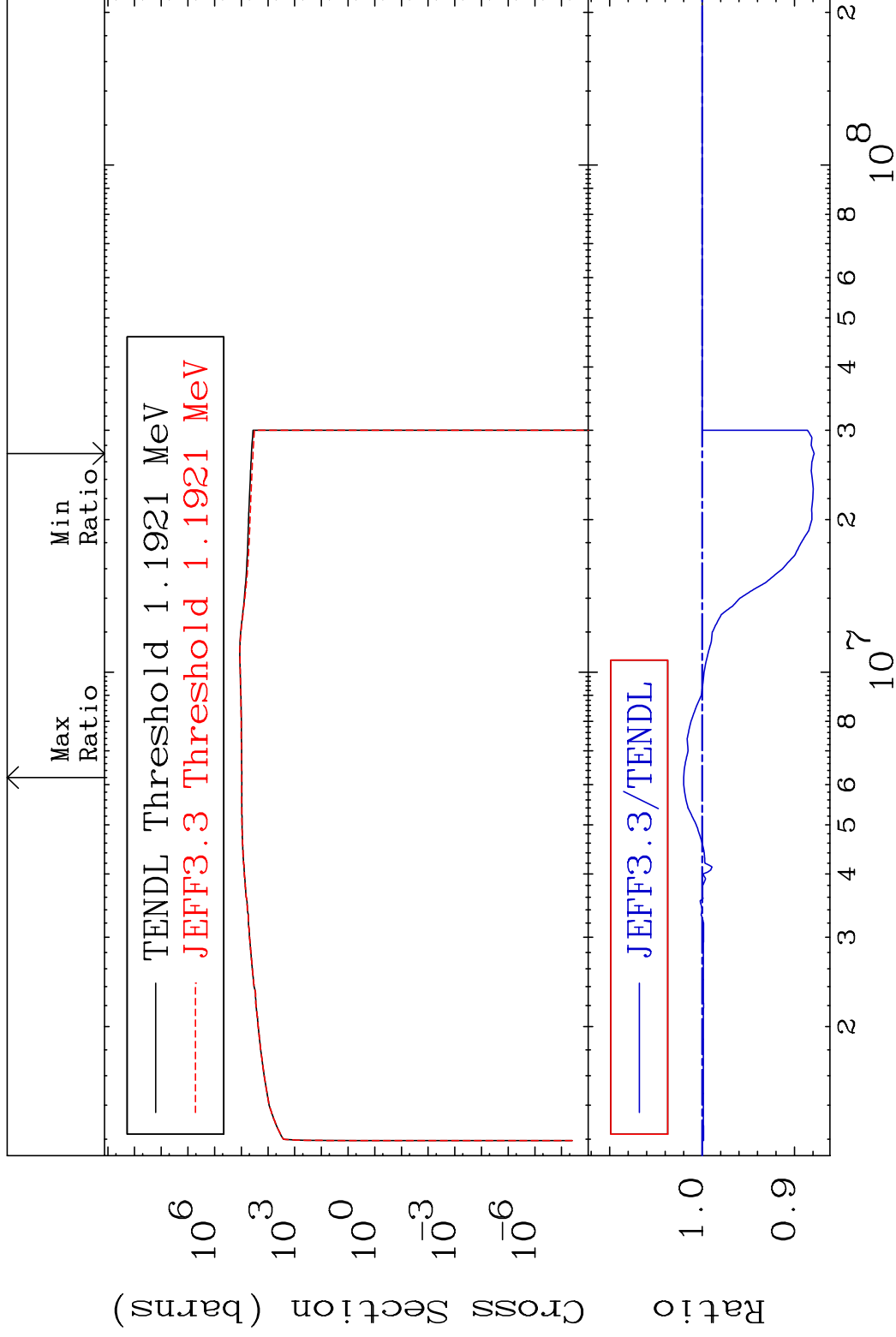
28-Ni-62

MAT 2837

Dpa inelastic (mt51-91)

²⁸Ni-62

Cross Section -12.11 To 1.997 %

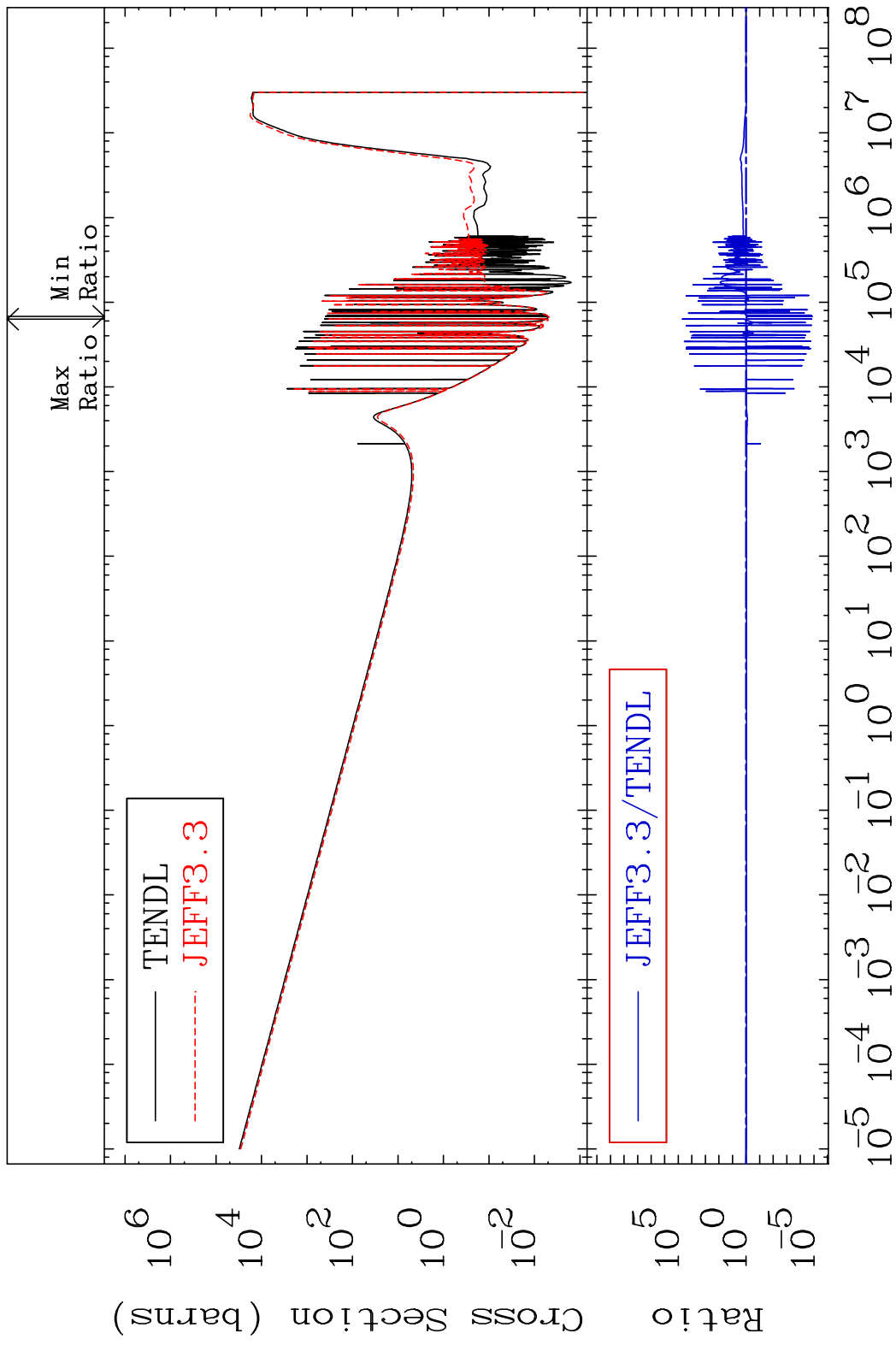


75

Incident Energy (eV)

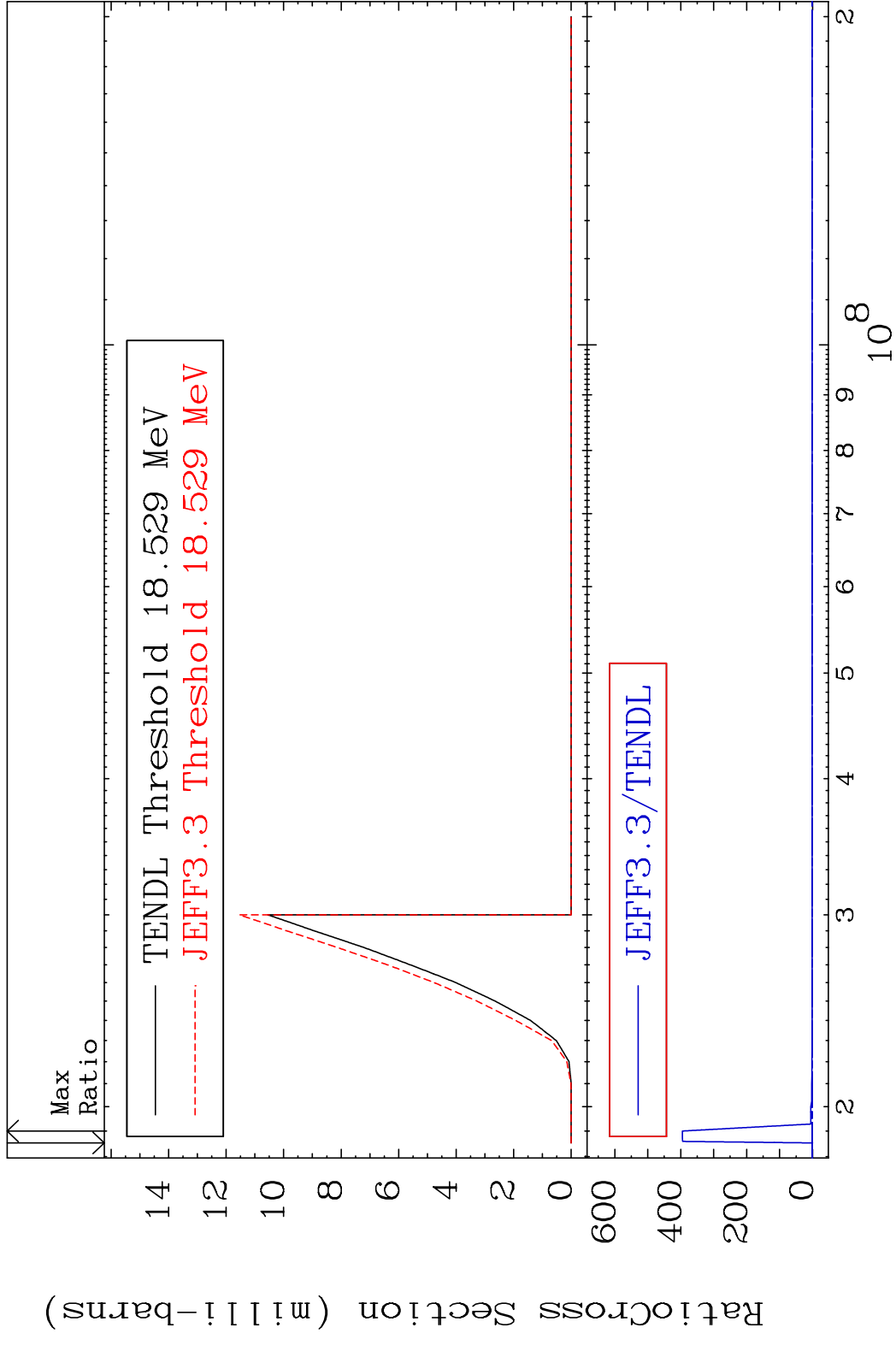
²⁸Ni-62

MAT 2837 Dpa disappearance (mt102 -120) 28-Ni-62
 Cross Section -100.0 To 9999. %

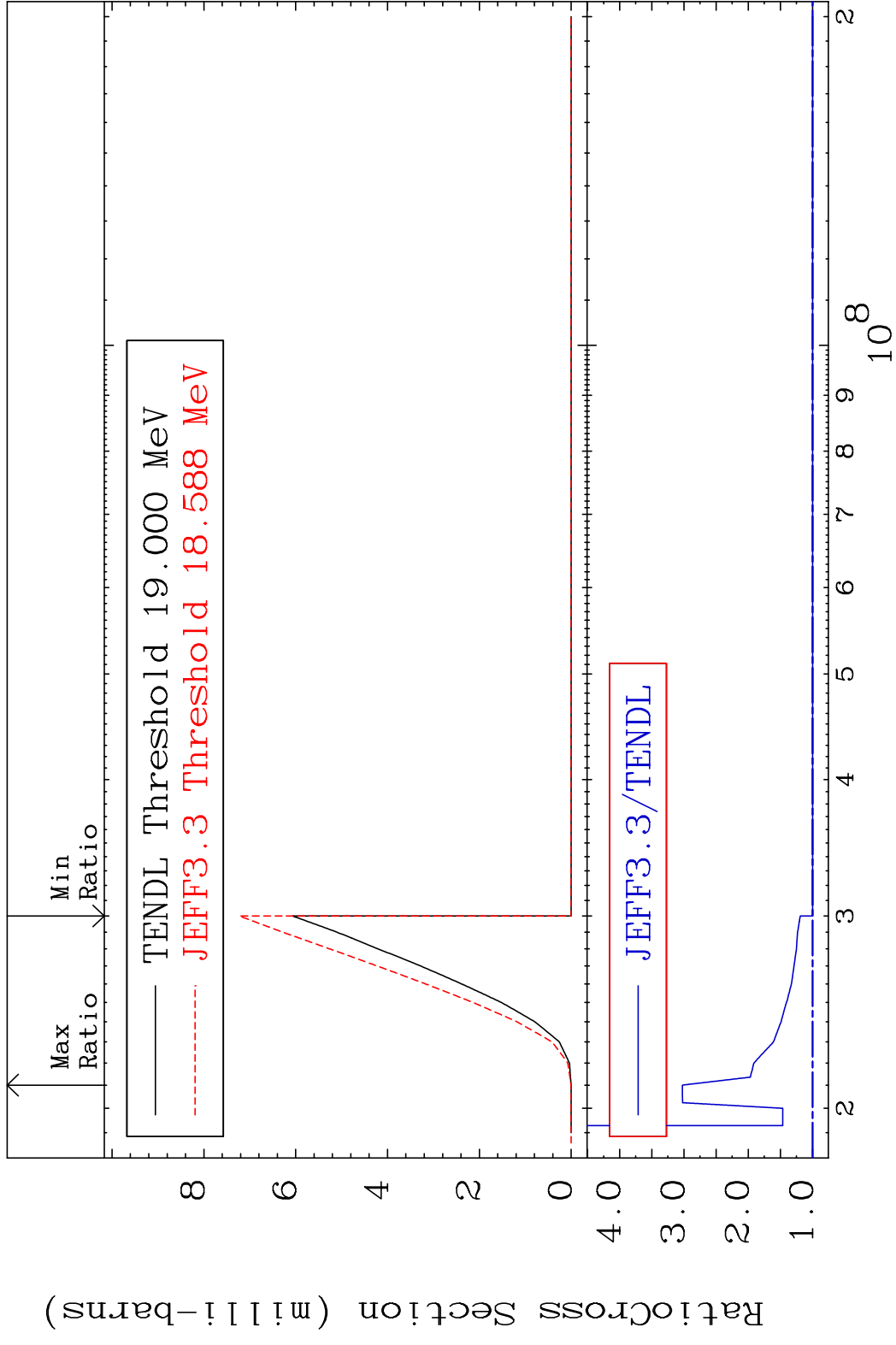


76 Incident Energy (eV) 28-Ni-62

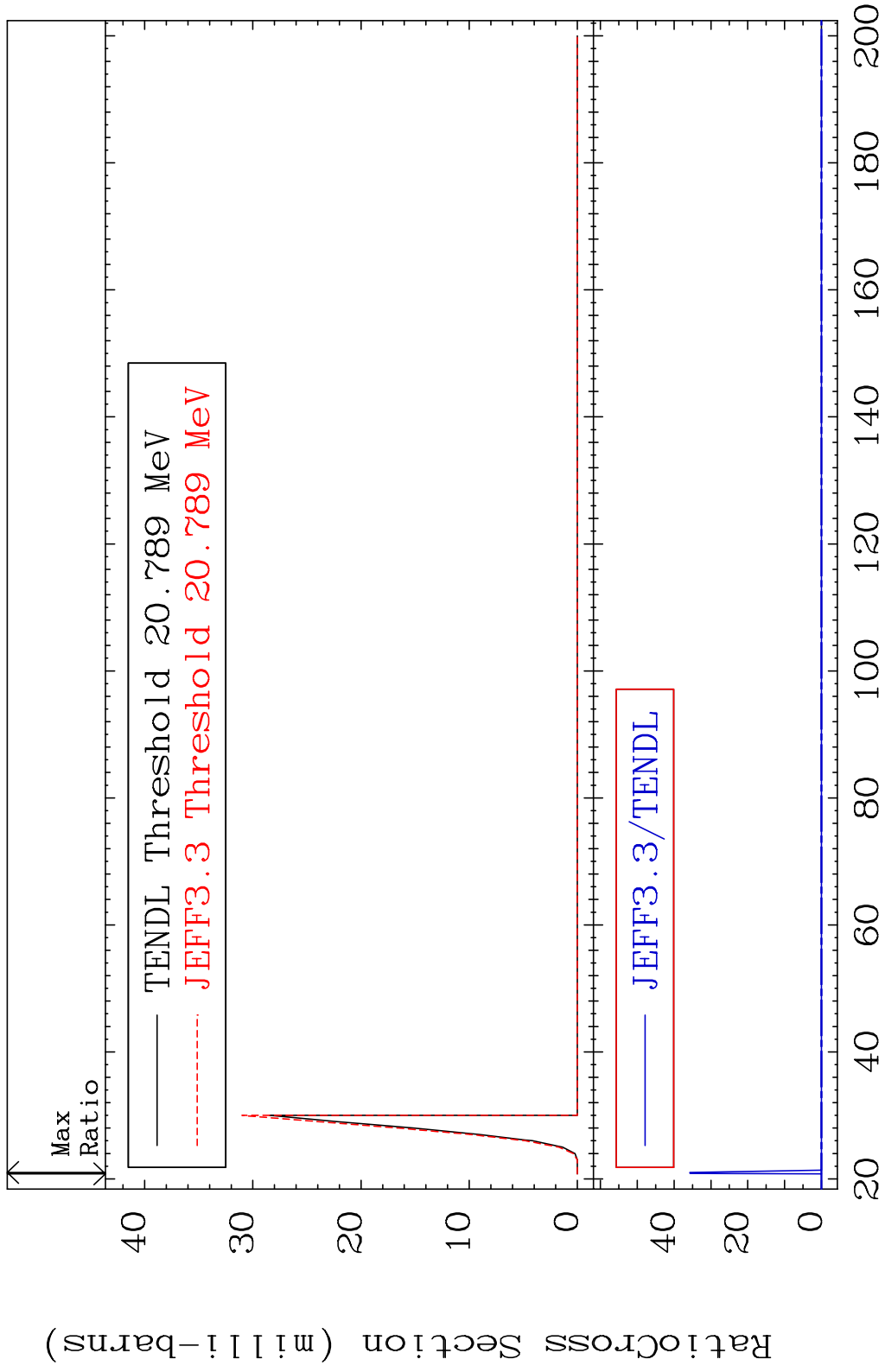
MAT 2837 (n, n') d:27-Co-60g 28-Ni-62
 Radionuclide Production Cross Section 100.00 dno 9999. %



MAT 2837 (n, n') d:27-Co-60m1 28-Ni-62
 Radionuclide Production Cross Section 202.5 %

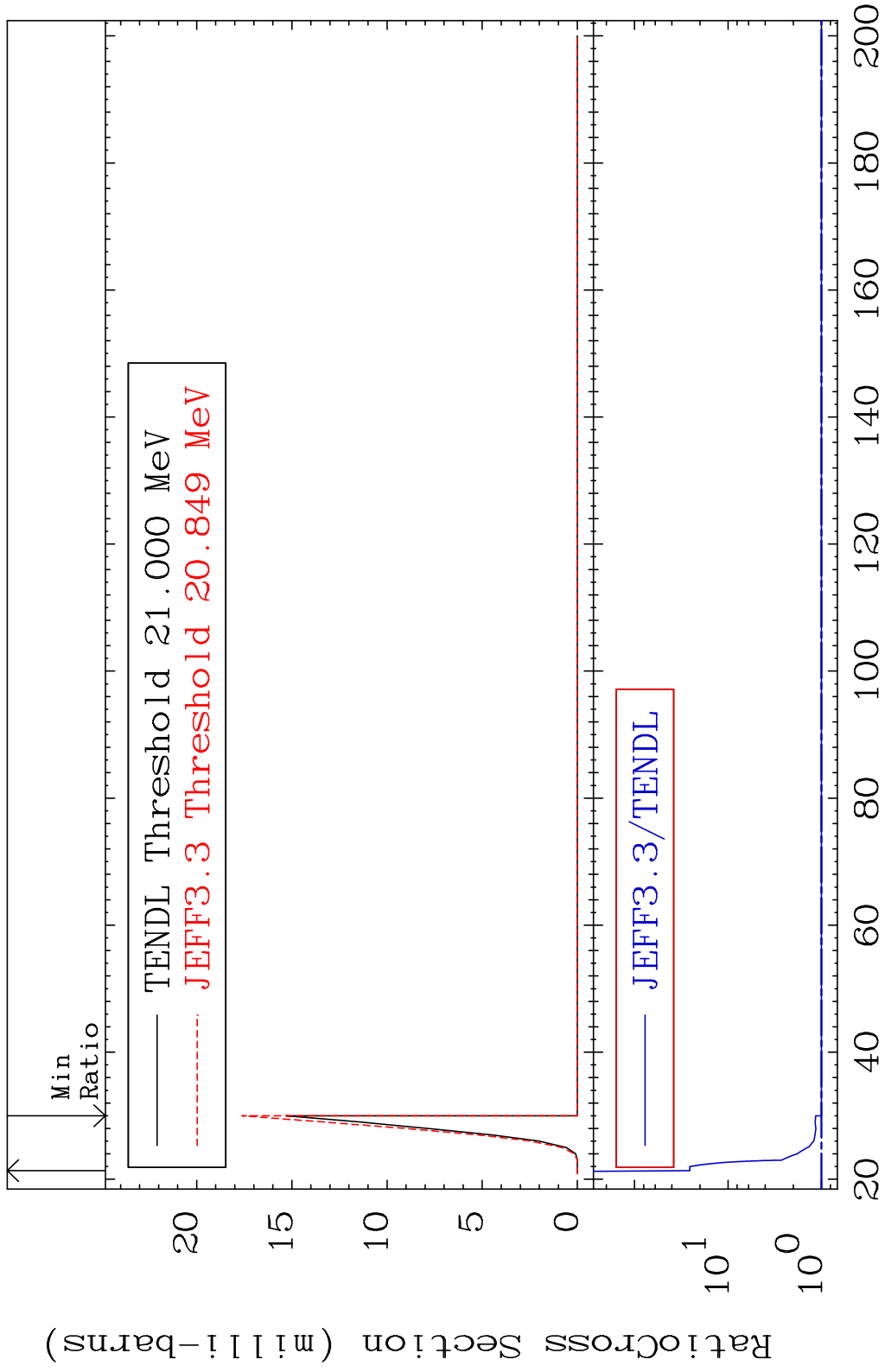


MAT 2837 (n,2n) p:27-Co-60g 28-Ni-62
 Radionuclide Production Cross Section 100.00 dth 9999. %



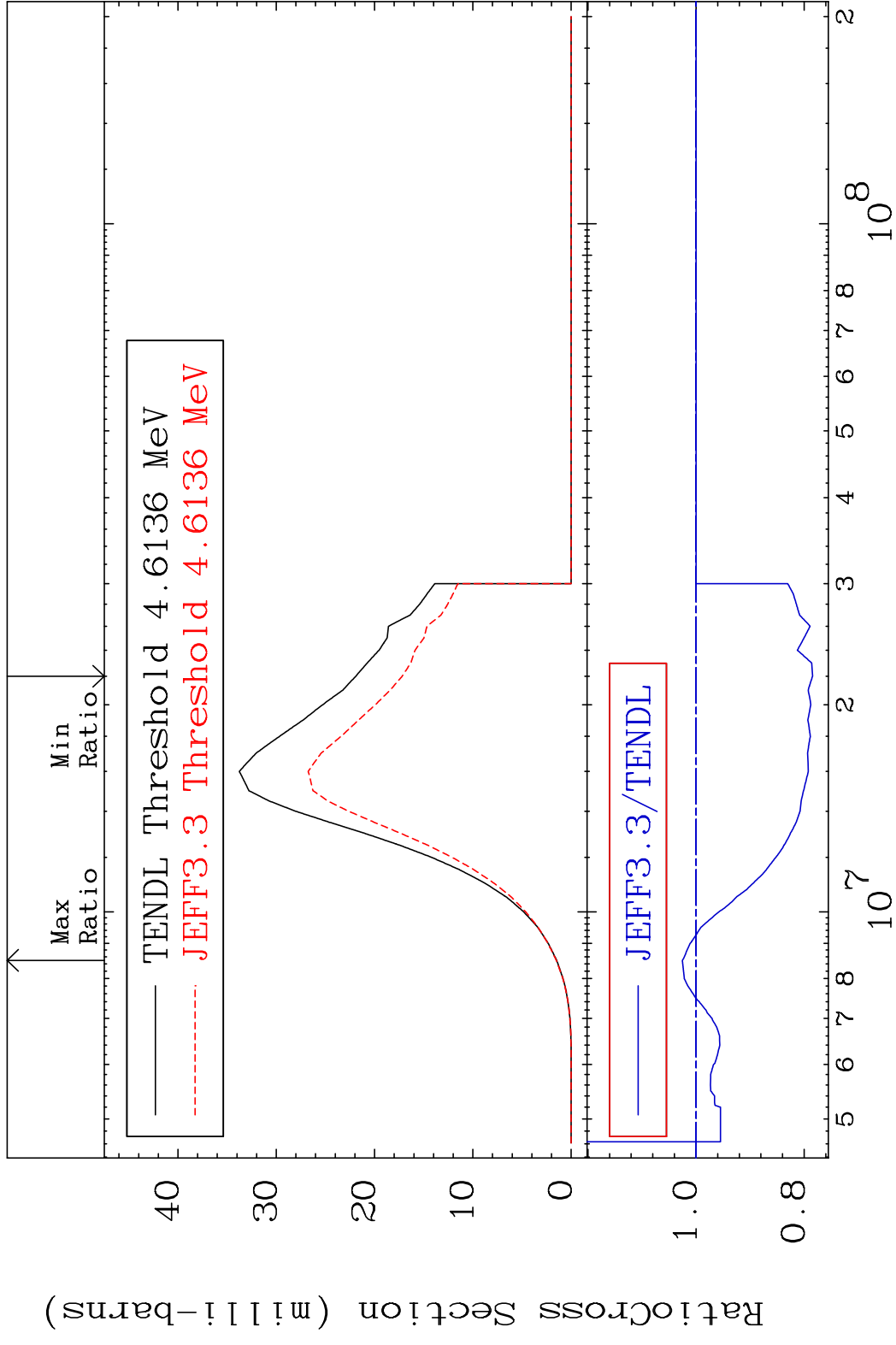
79 Incident Energy (MeV) 28-Ni-62

MAT 2837 (n,2n) p:27-Co-60m1 28-Ni-62
 Radionuclide Production Cross Section 2465. %

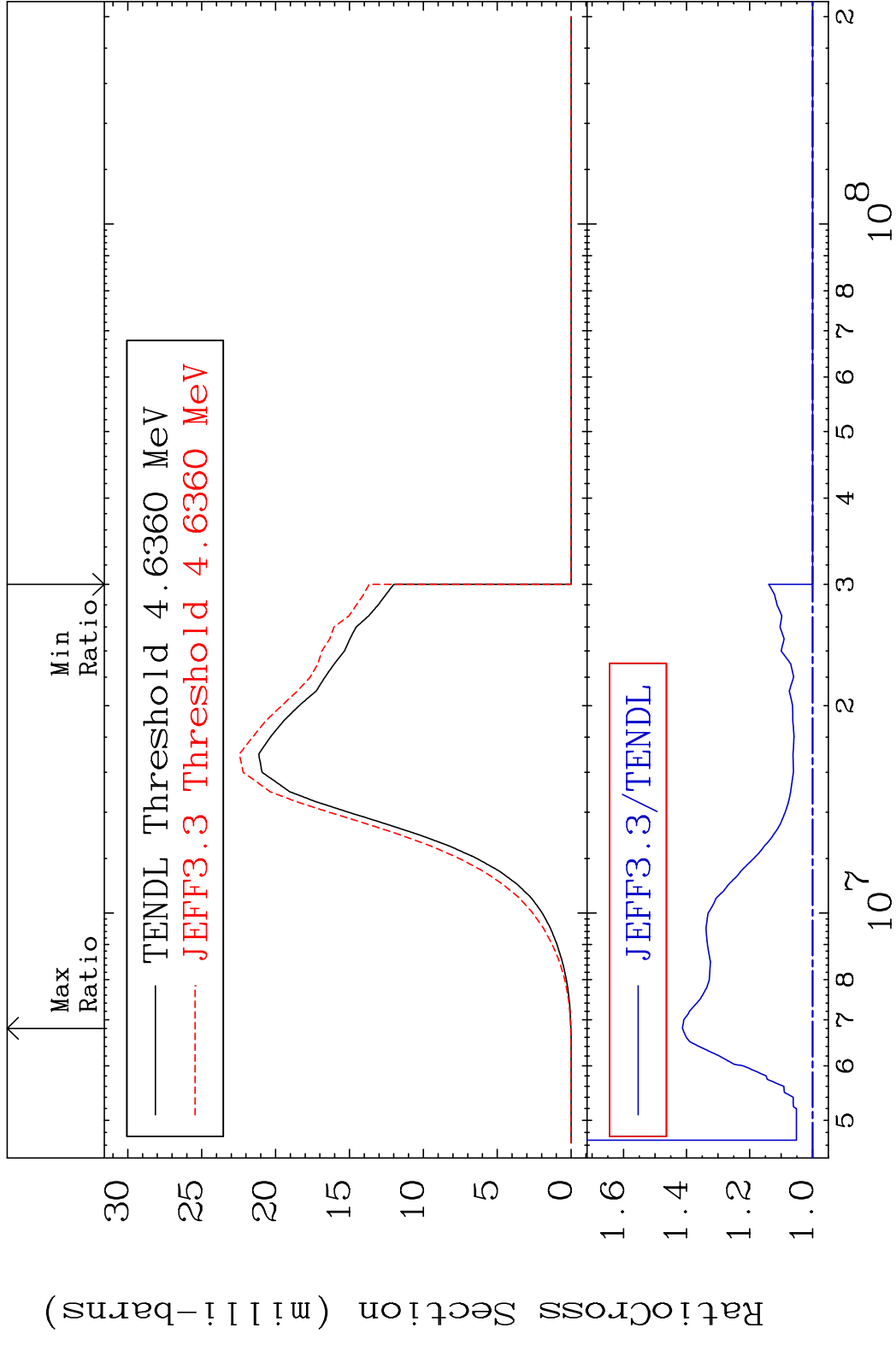


80 Incident Energy (MeV) 28-Ni-62

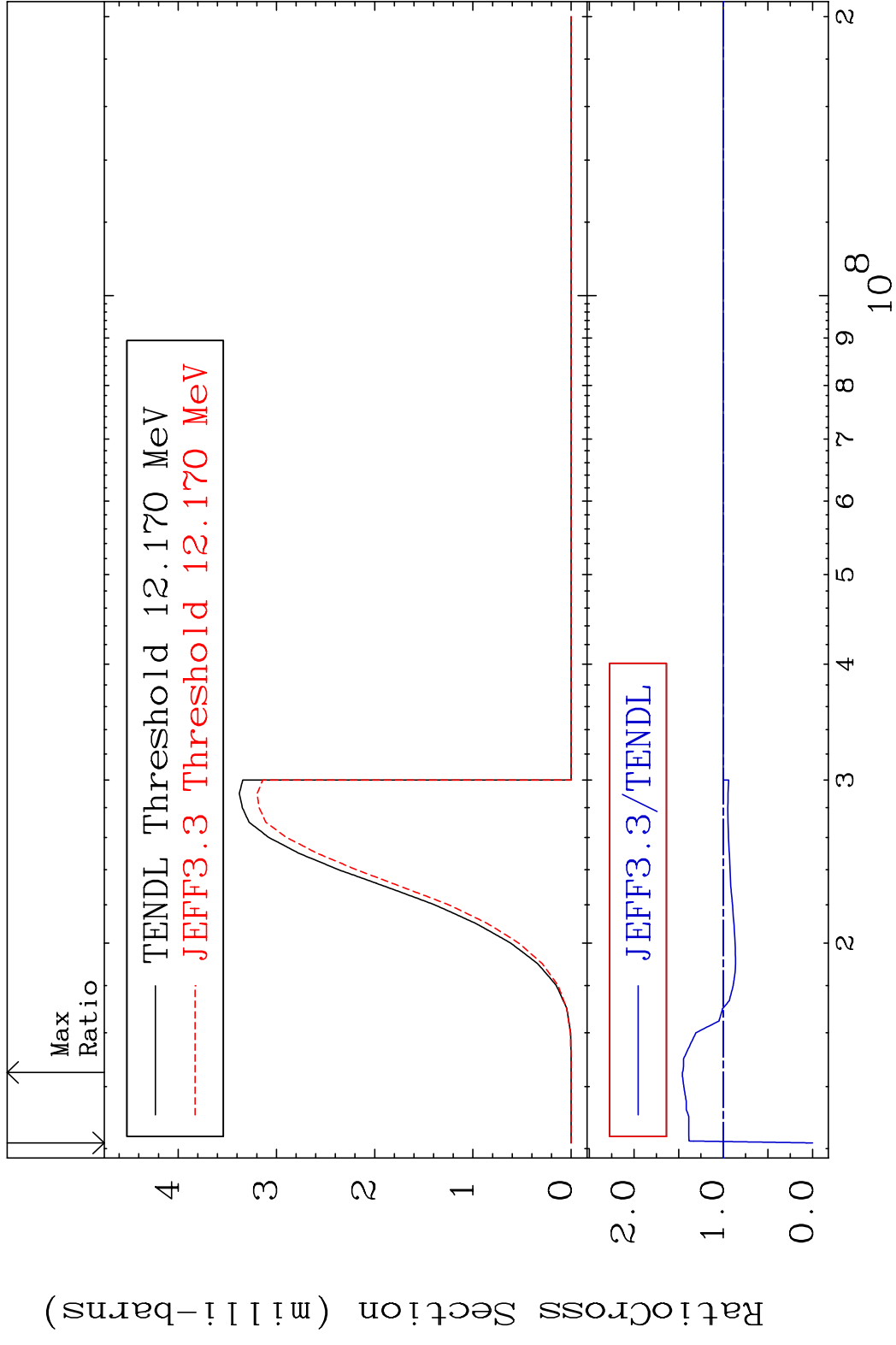
MAT 2837 (n,p):27-Co-62g 28-Ni-62
 Radionuclide Production Cross Section 2.533 %



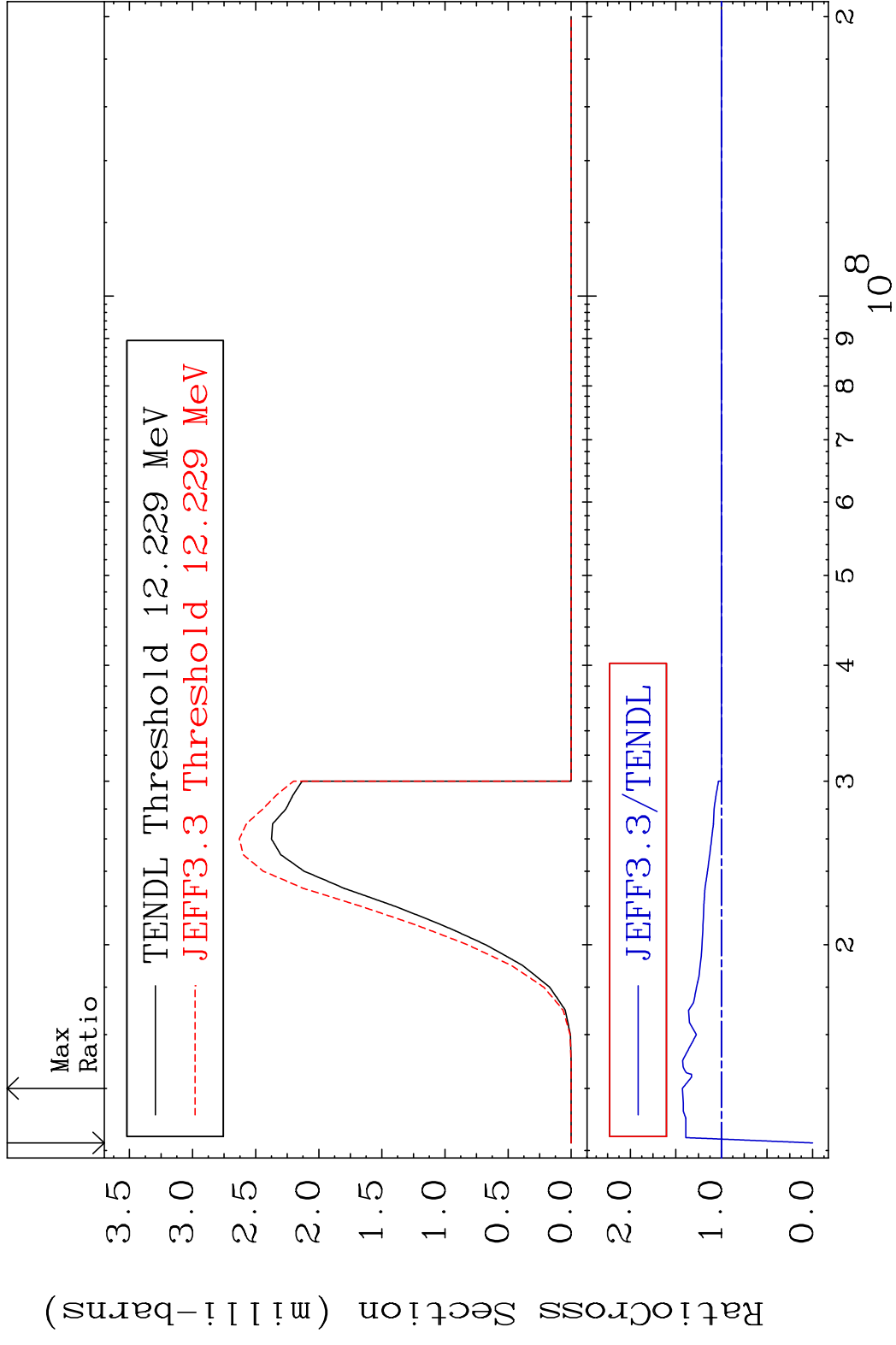
MAT 2837 (n,p):27-Co-62m1 28-Ni-62
 Radionuclide Production Cross Section 41.33 %



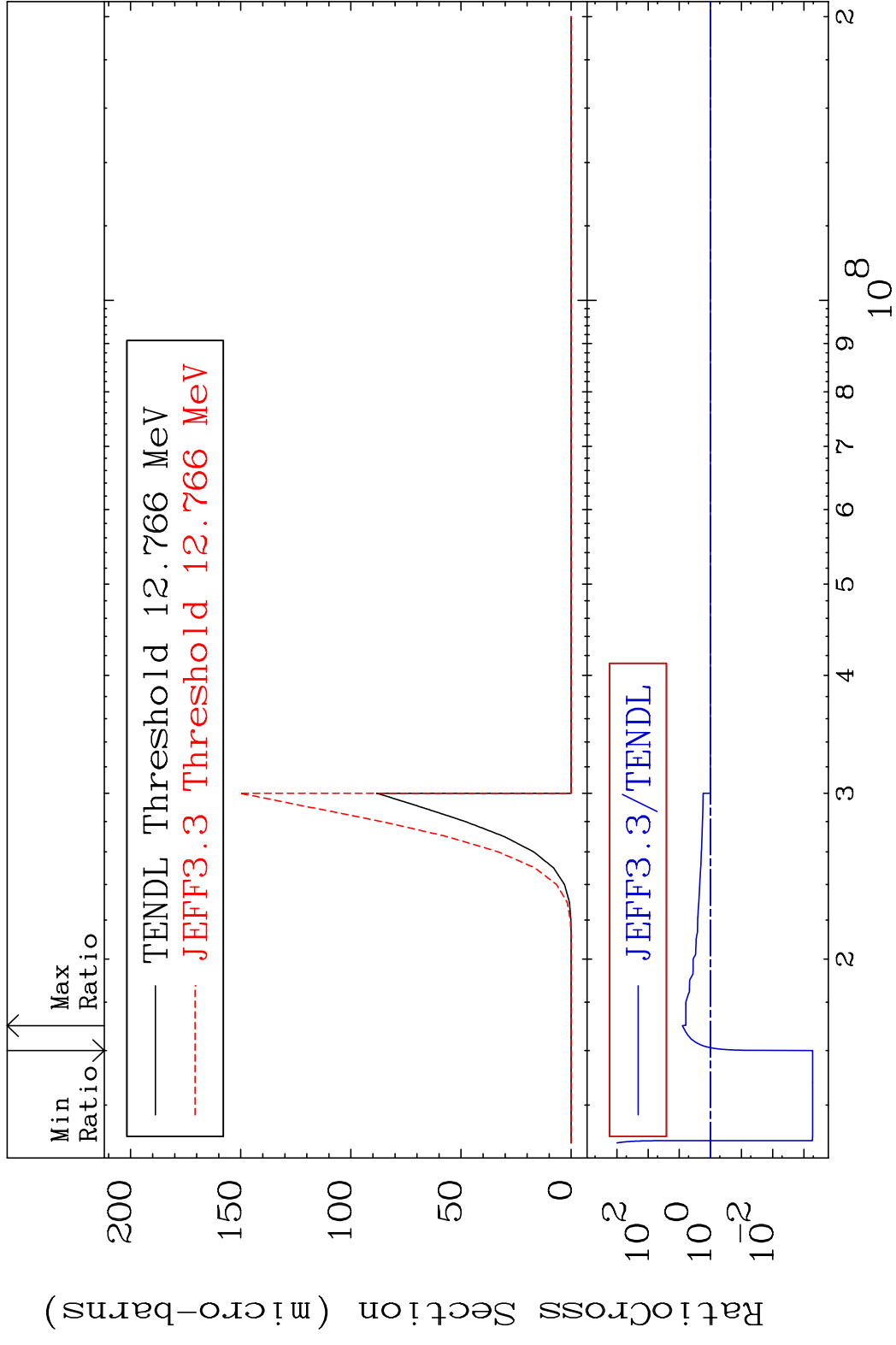
MAT 2837 (n, t):27-Co-60g 28-Ni-62
 Radionuclide Production Cross Section 180.01 dth 45.85 %



MAT 2837 (n,t):27-Co-60m1 28-Ni-62
 Radionuclide Production Cross Section 180.01 dth 42.87 %



MAT 2837 (n, p) α :25-Mn-58g 28-Ni-62
 Radionuclide Production Cross Section 98.95 dth 693.8 %



MAT 2837 (n, p) α :25-Mn-58m1 28-Ni-62
 Radionuclide Production Cross Section 1800.0 dno 655.0 %

