

Program Complot
(Version 2021-1)

by

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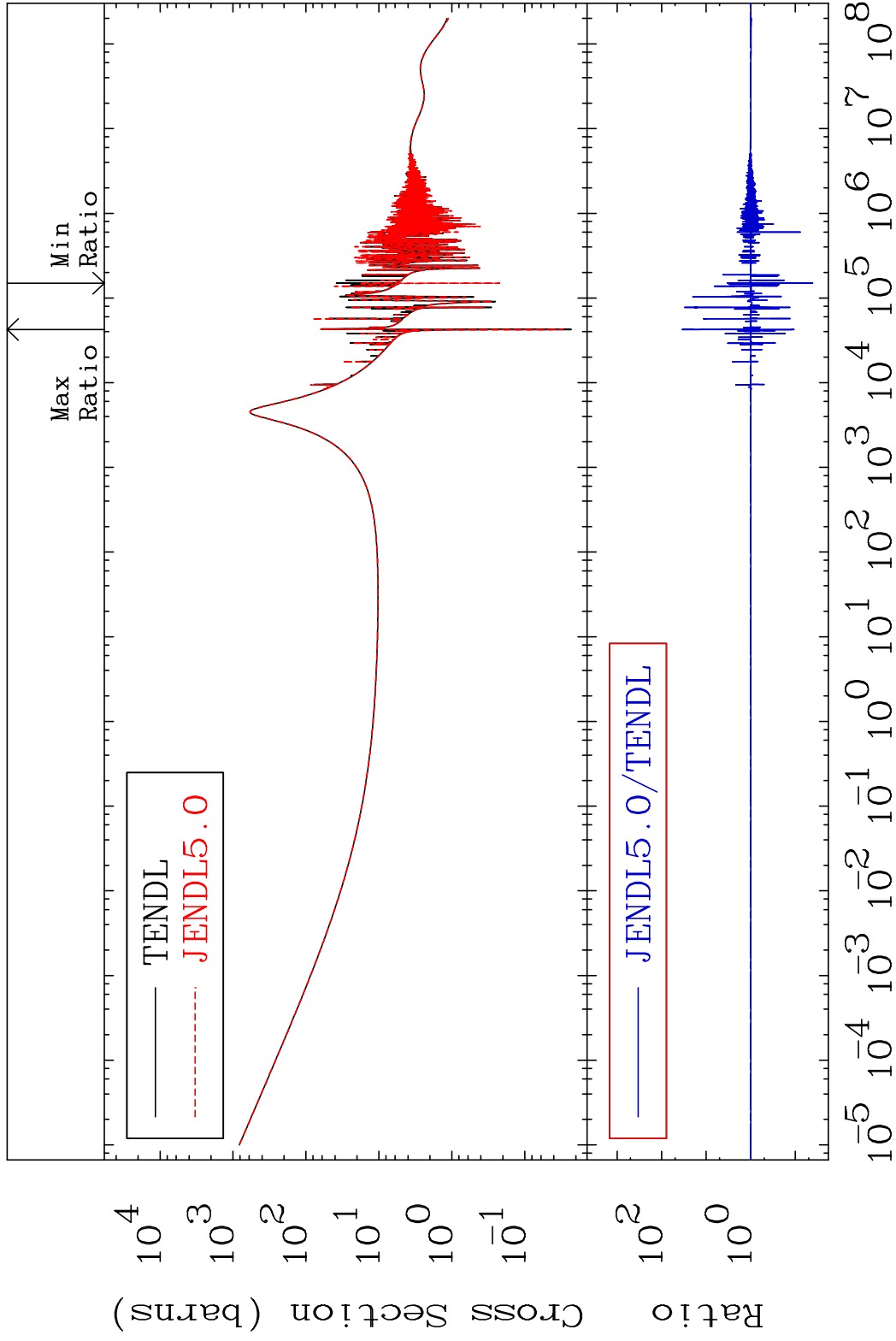
Press Mouse Button to Start

MAT 2837

Total

28-Ni-62

Cross Section -95.89 To 3330. %



1

Incident Energy (eV)

28-Ni-62

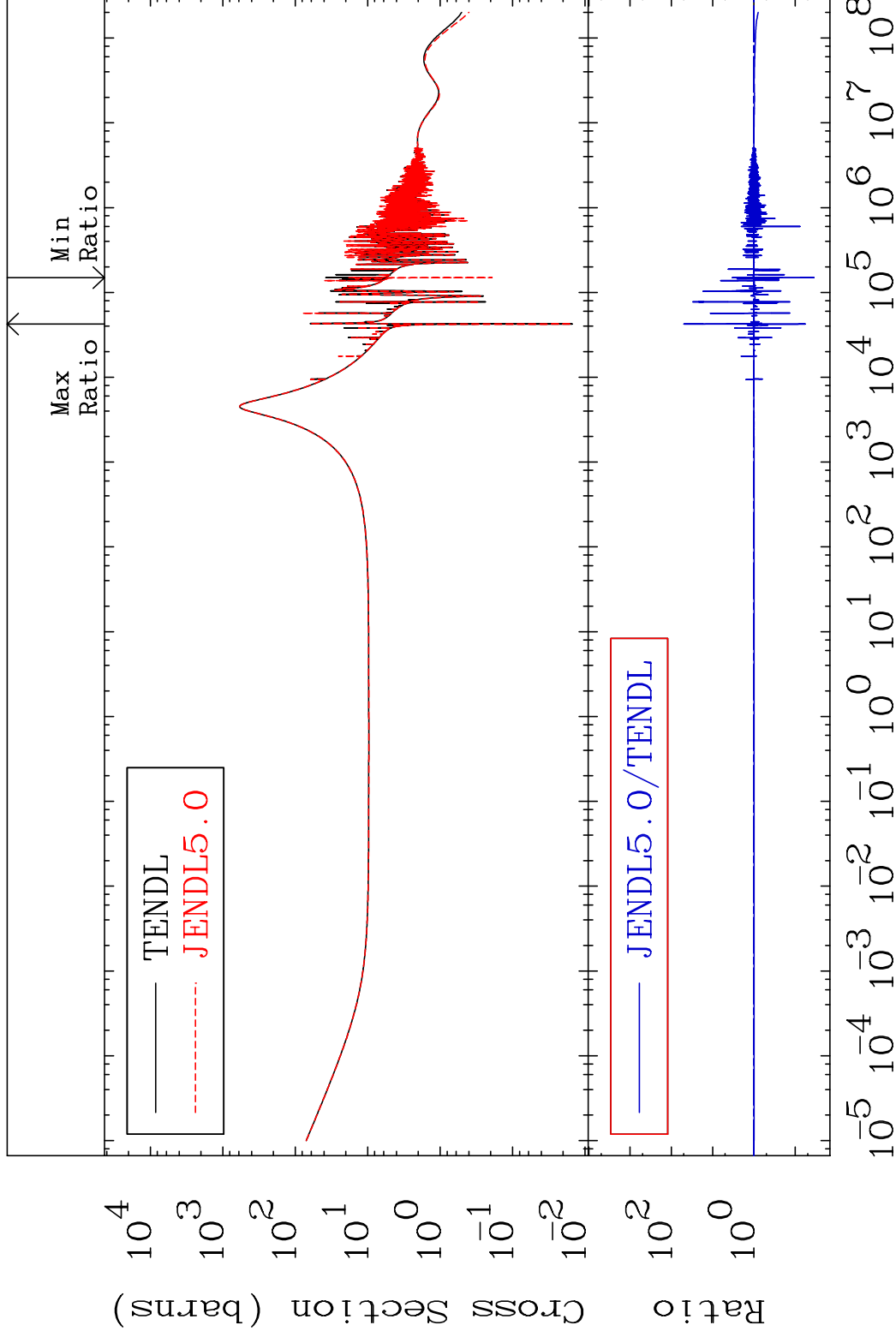
MAT 2837

Elastic

28-Ni-62

Cross Section

-96.51 To 4937. %



2

Incident Energy (eV)

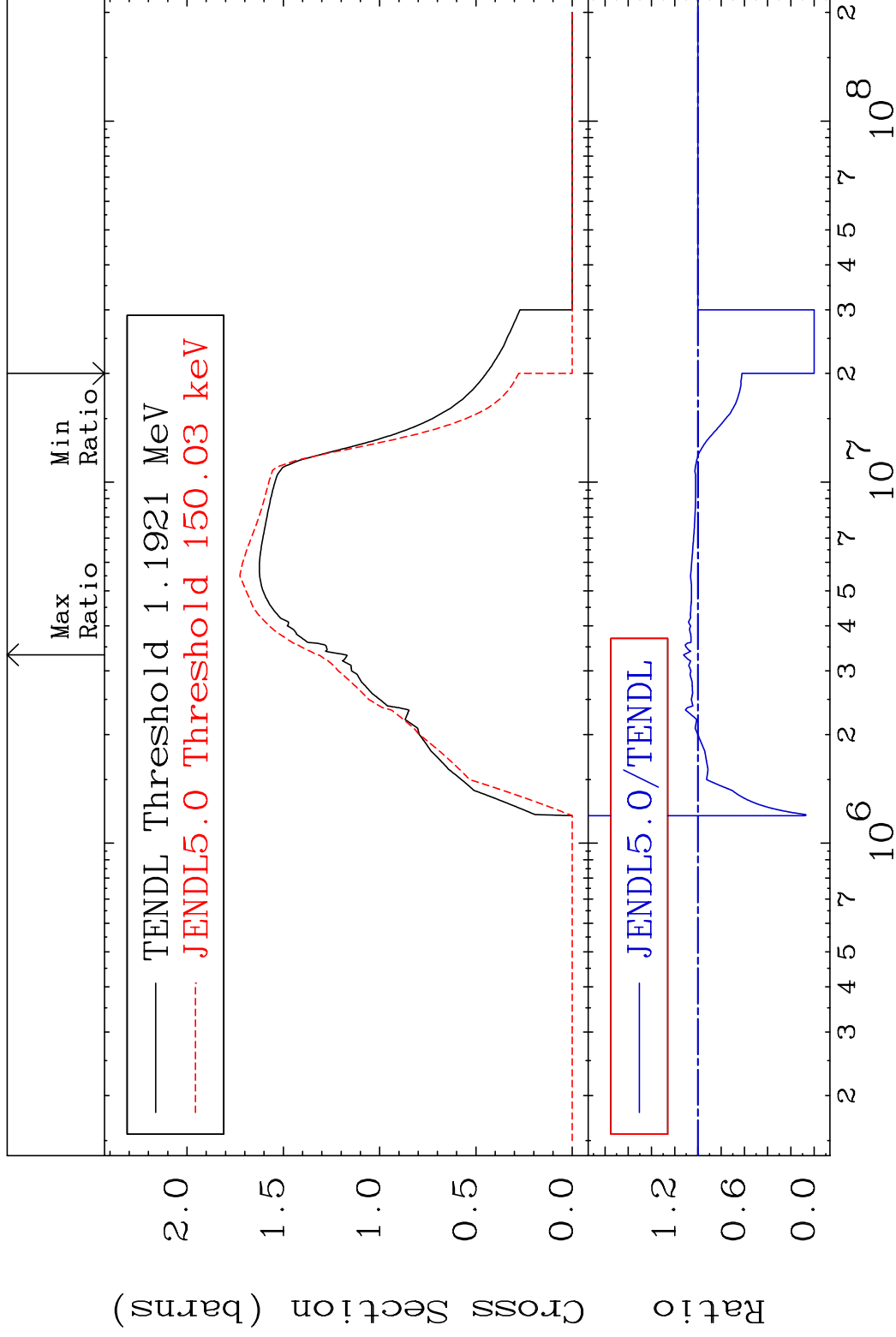
28-Ni-62

MAT 2837

Inelastic

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

Cross Section -100.0 To 12.29 %

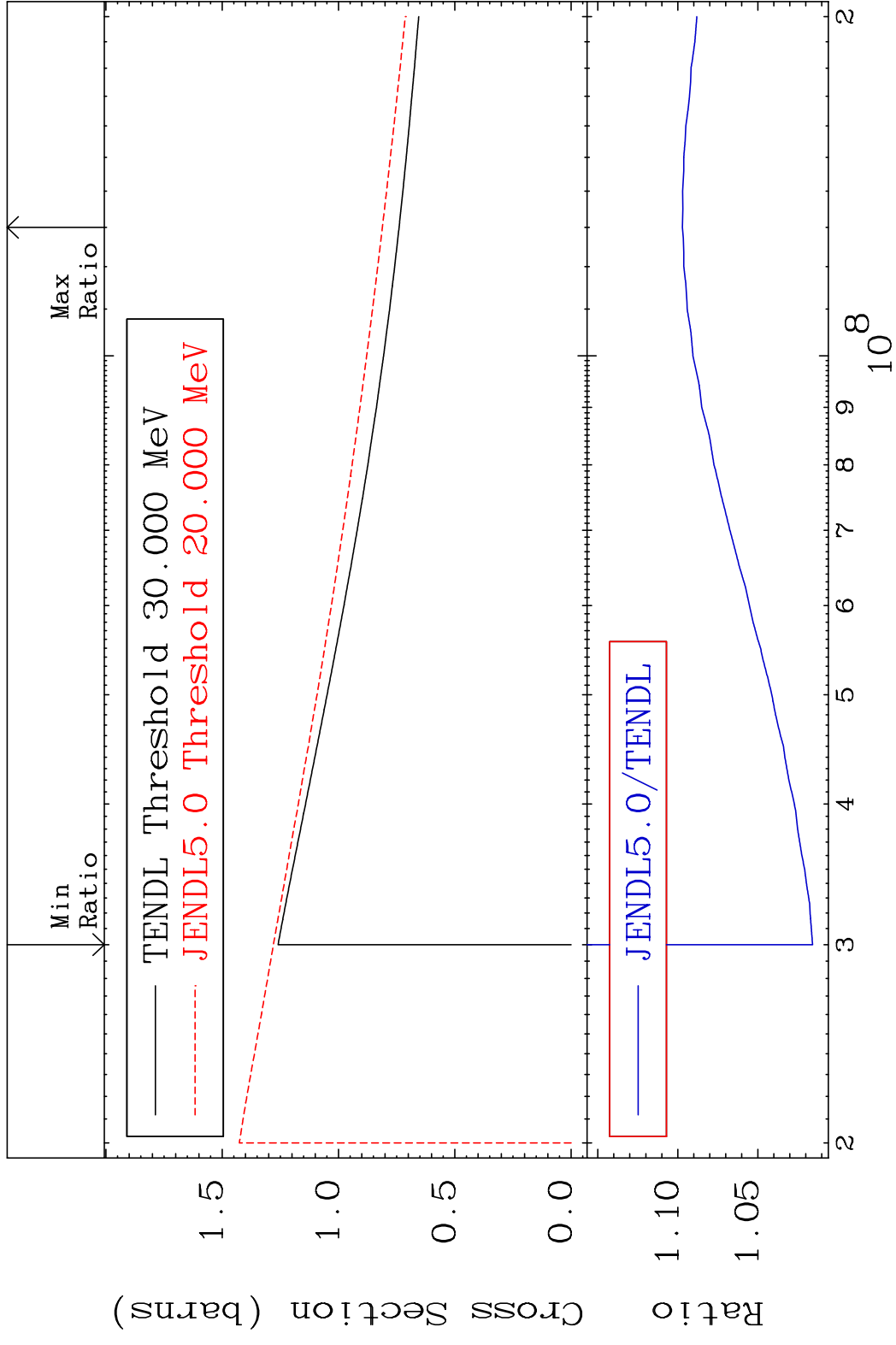


3

Incident Energy (eV)

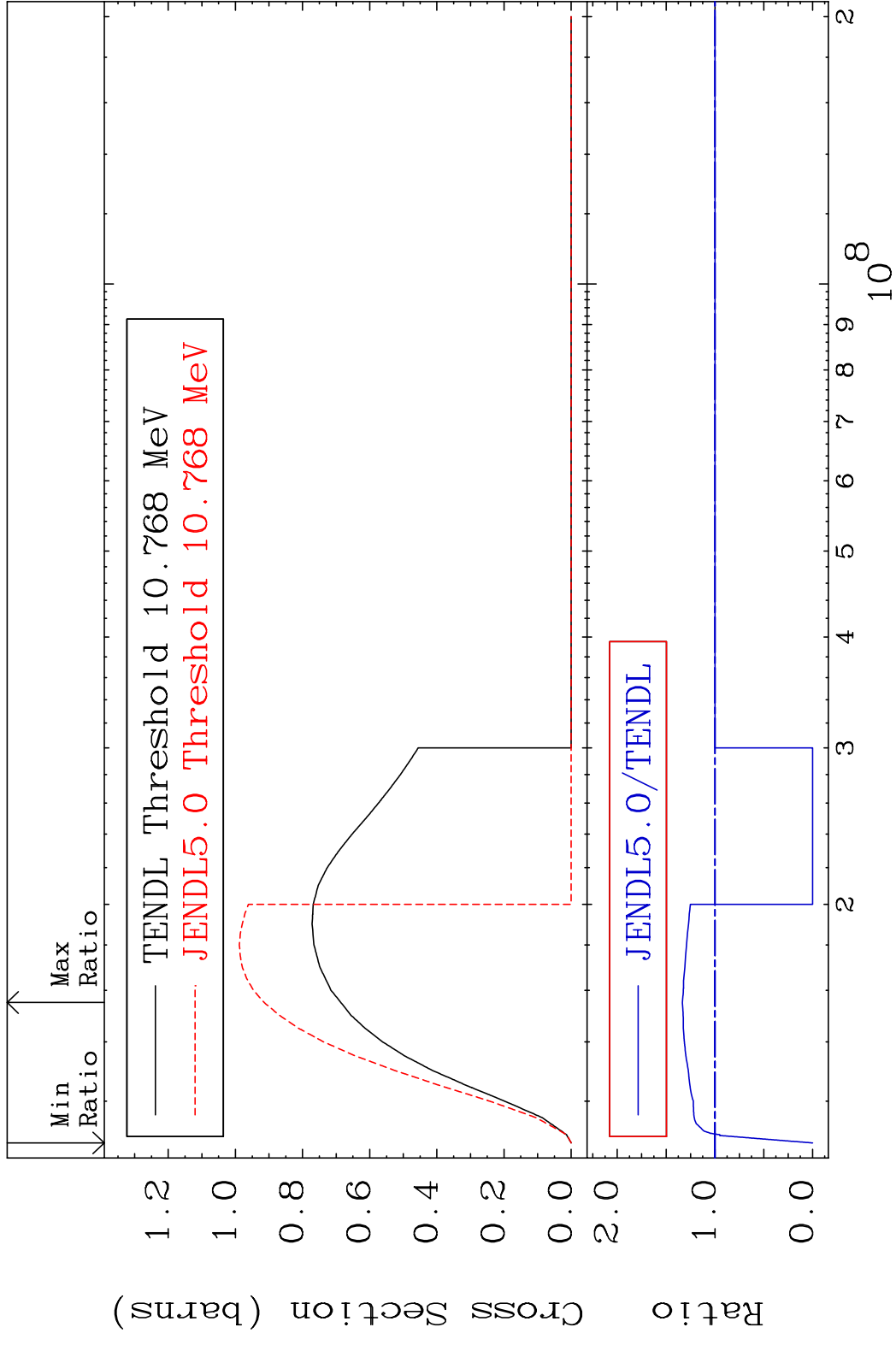
$^{28}\text{Ni-62}$

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

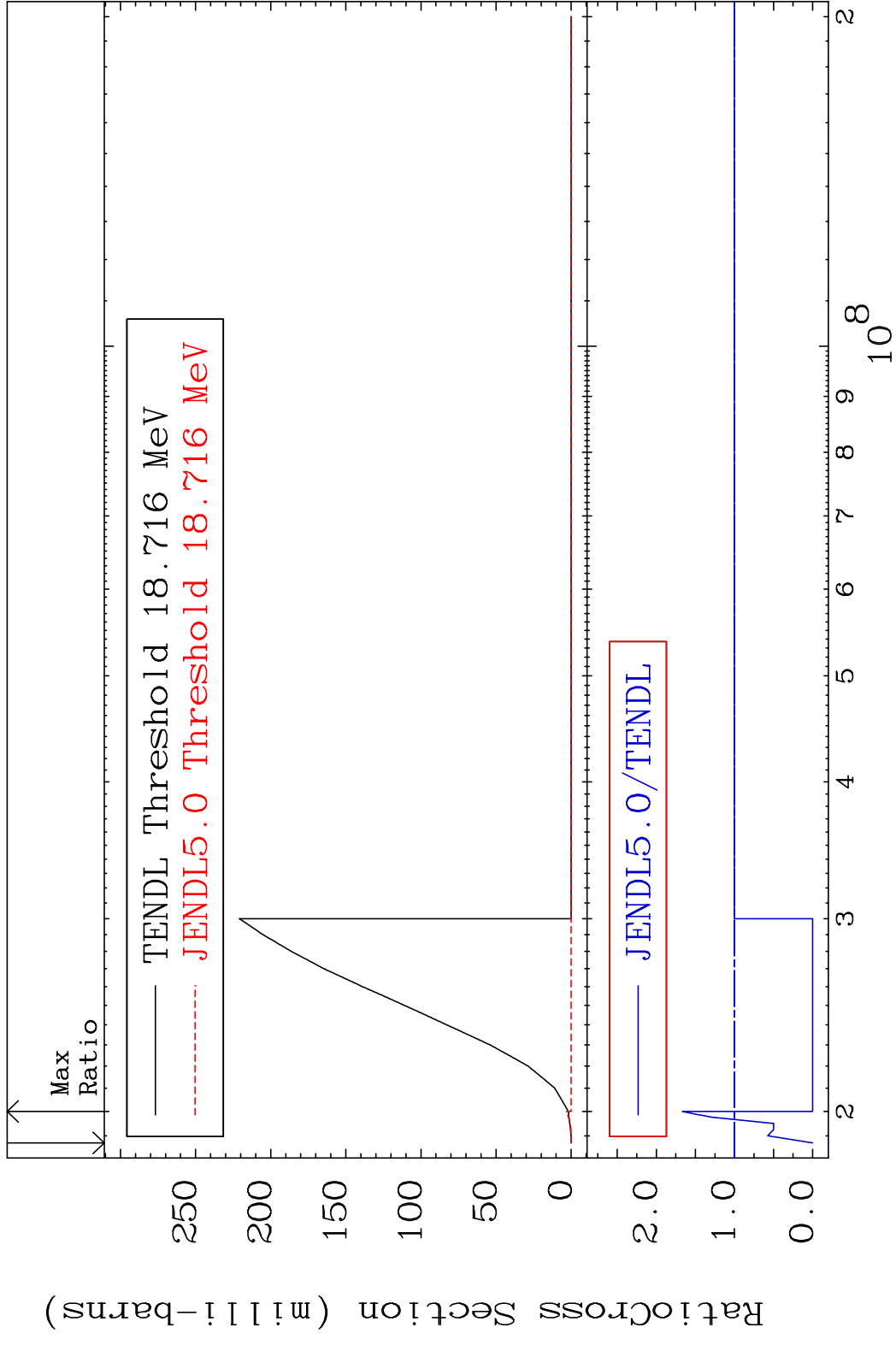


4 Incident Energy (eV) 28-Ni-62

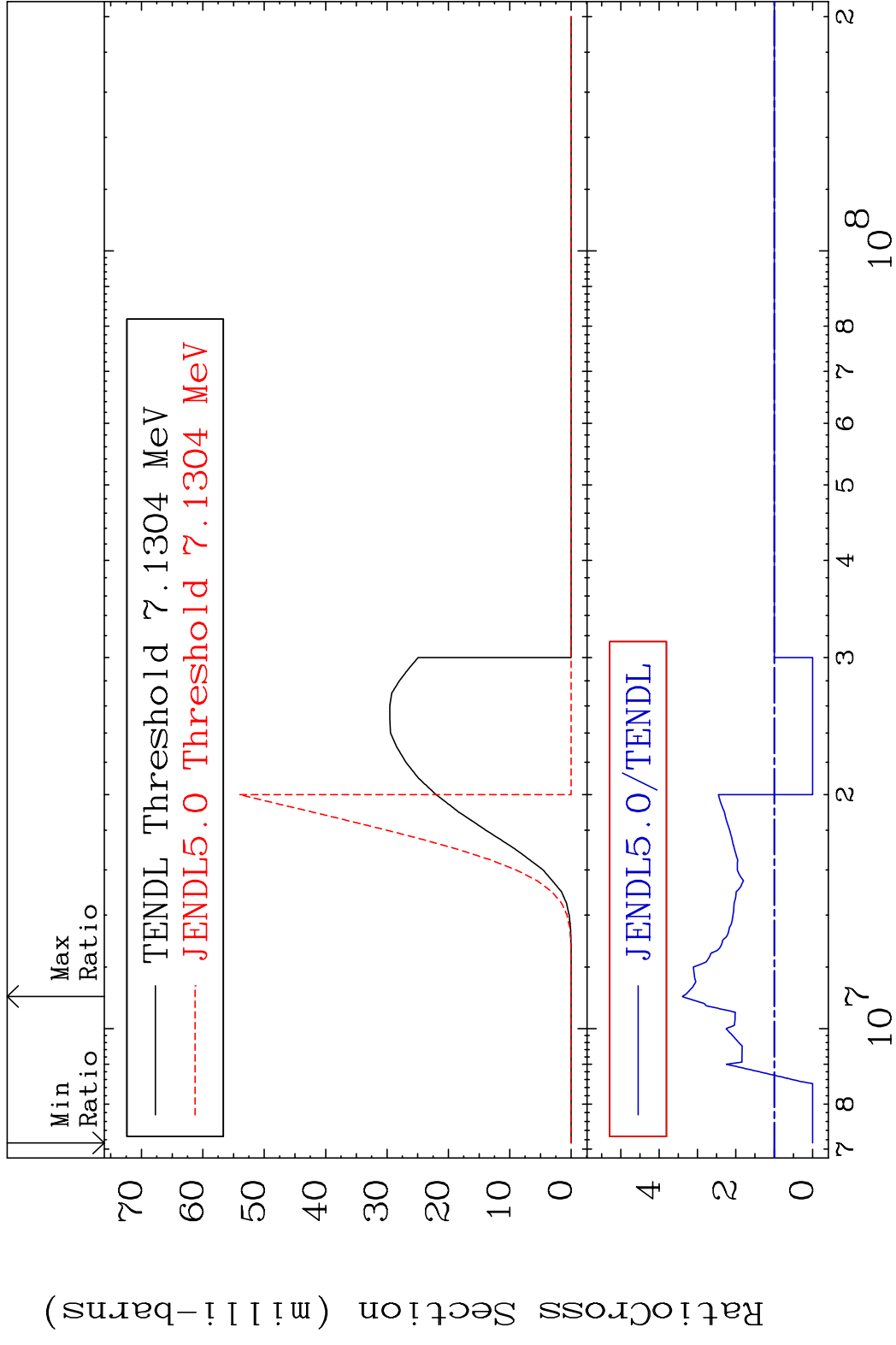
MAT 2837 (n,2n) 28-Ni-62
 Cross Section -100.0 To 33.35 %



MAT 2837 (n,3n) 28-Ni-62
 Cross Section -100.0 To 66.67 %

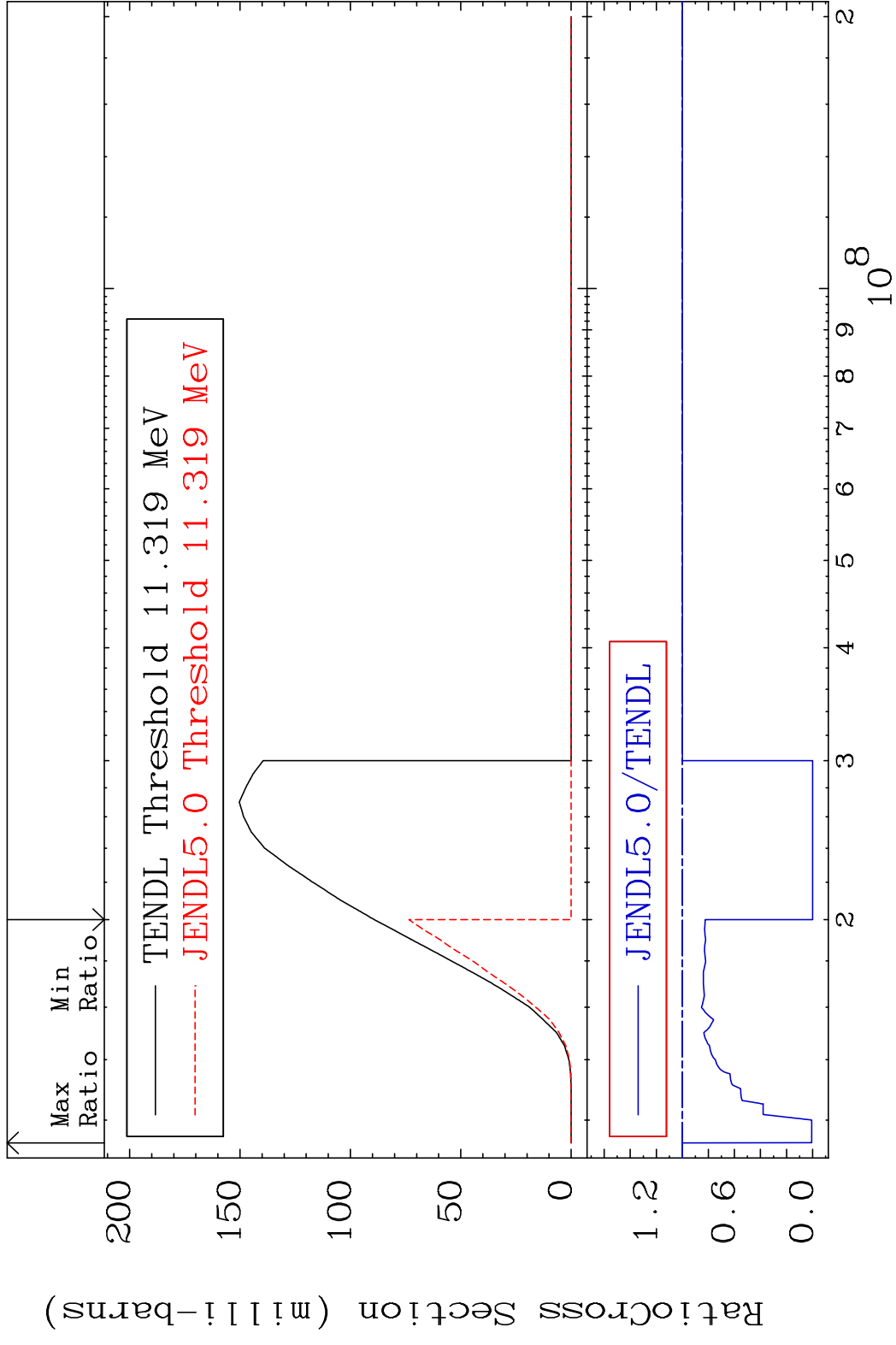


MAT 2837 (n, n') α 28-Ni-62
 Cross Section -100.0 To 239.5 %

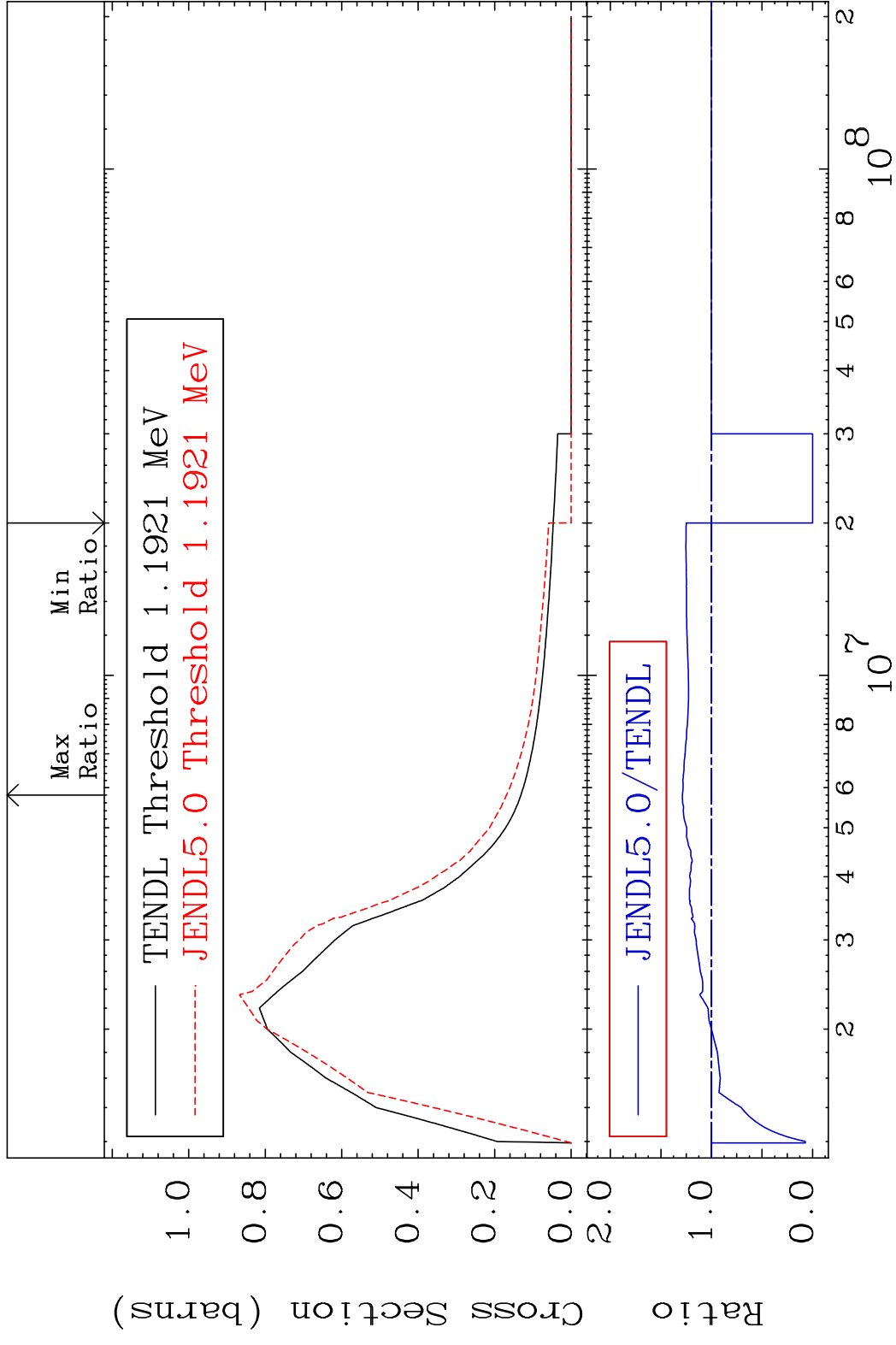


7 Incident Energy (eV) 28-Ni-62

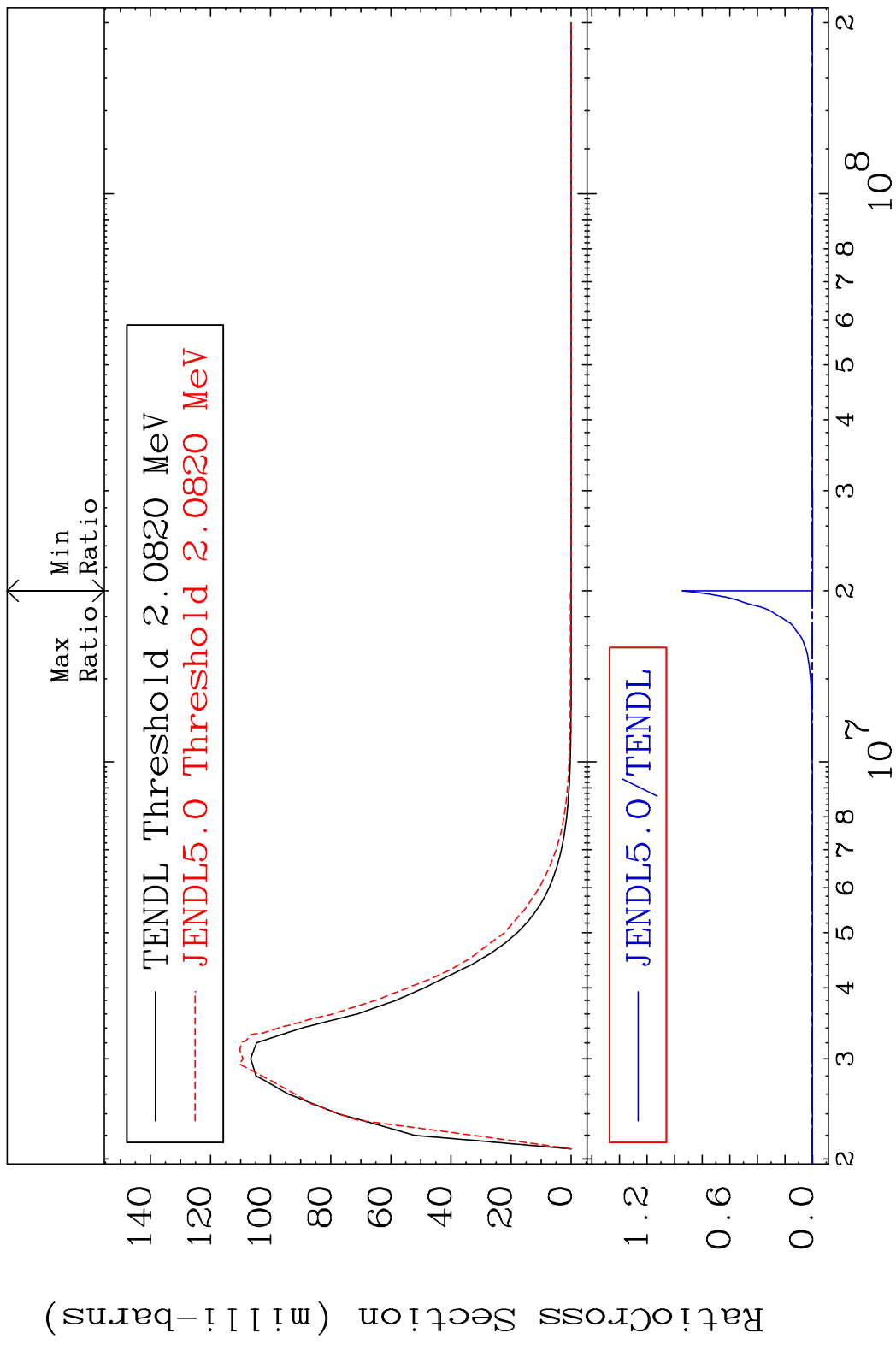
MAT 2837 (n, n') p 28-Ni-62
 Cross Section -100.0 To 0.000 %



MAT 2837 MT= 51 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 28.80 %

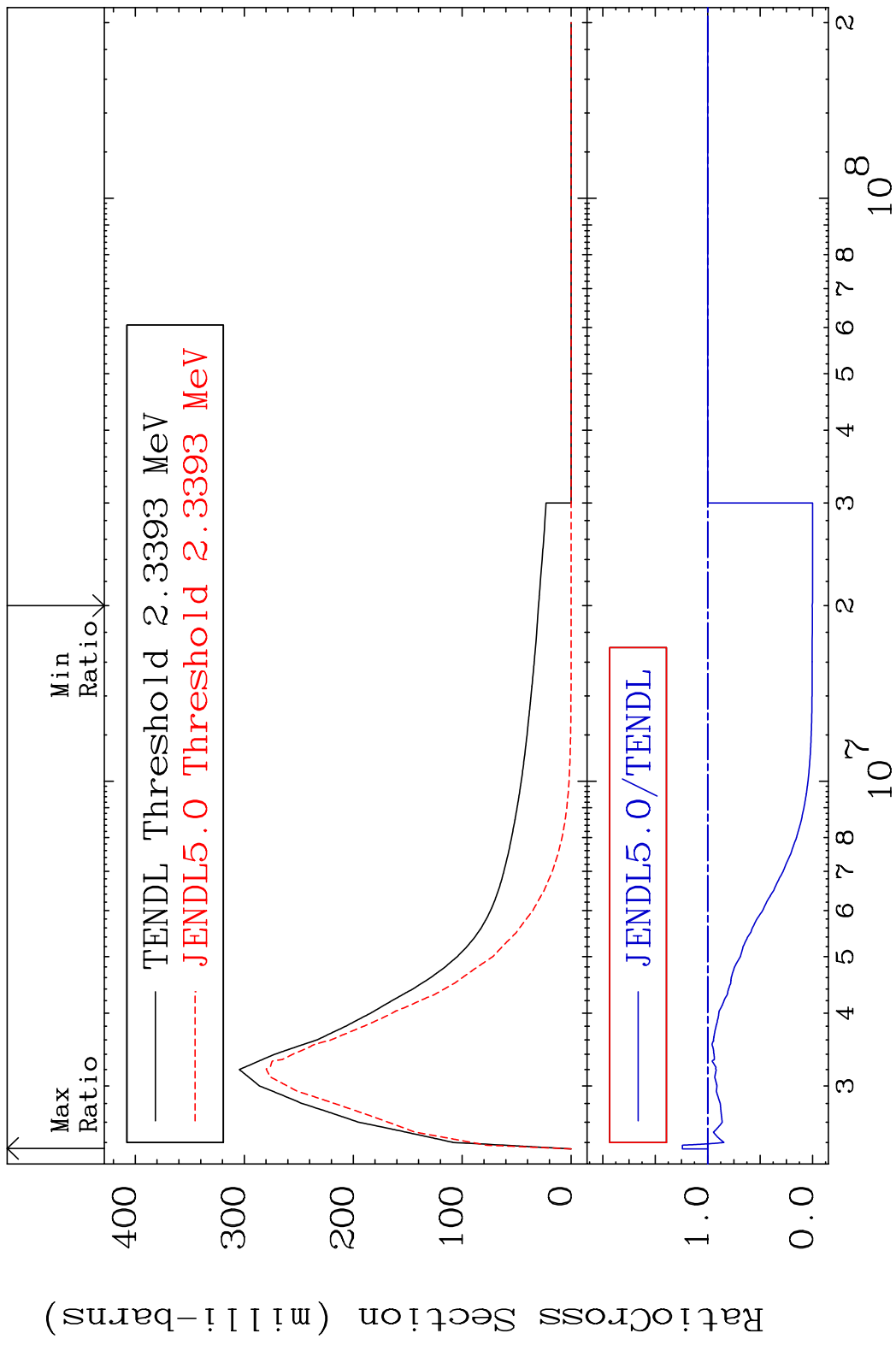


MAT 2837 MT= 52 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 9999. %

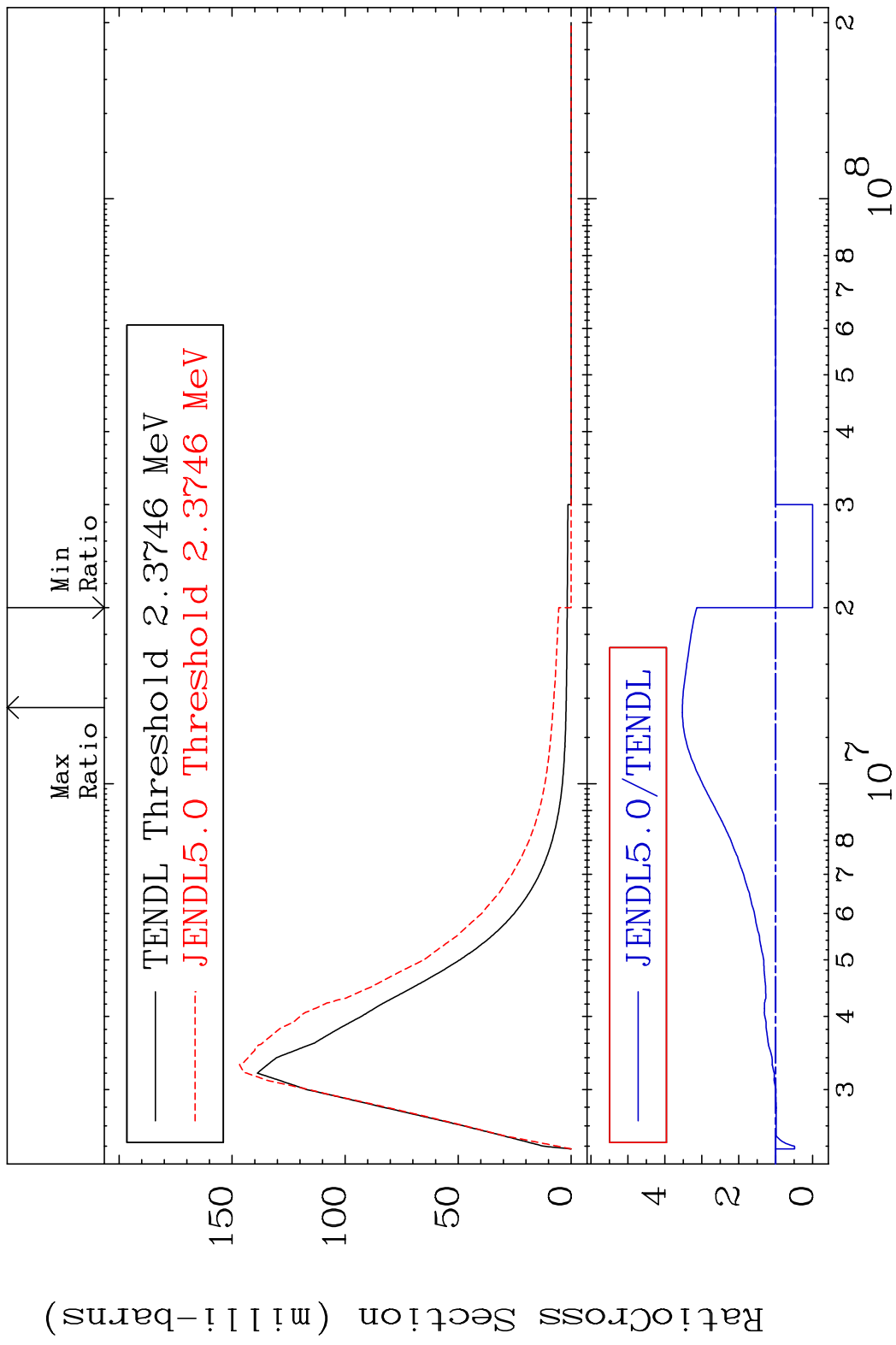


10 Incident Energy (eV) 28-Ni-62

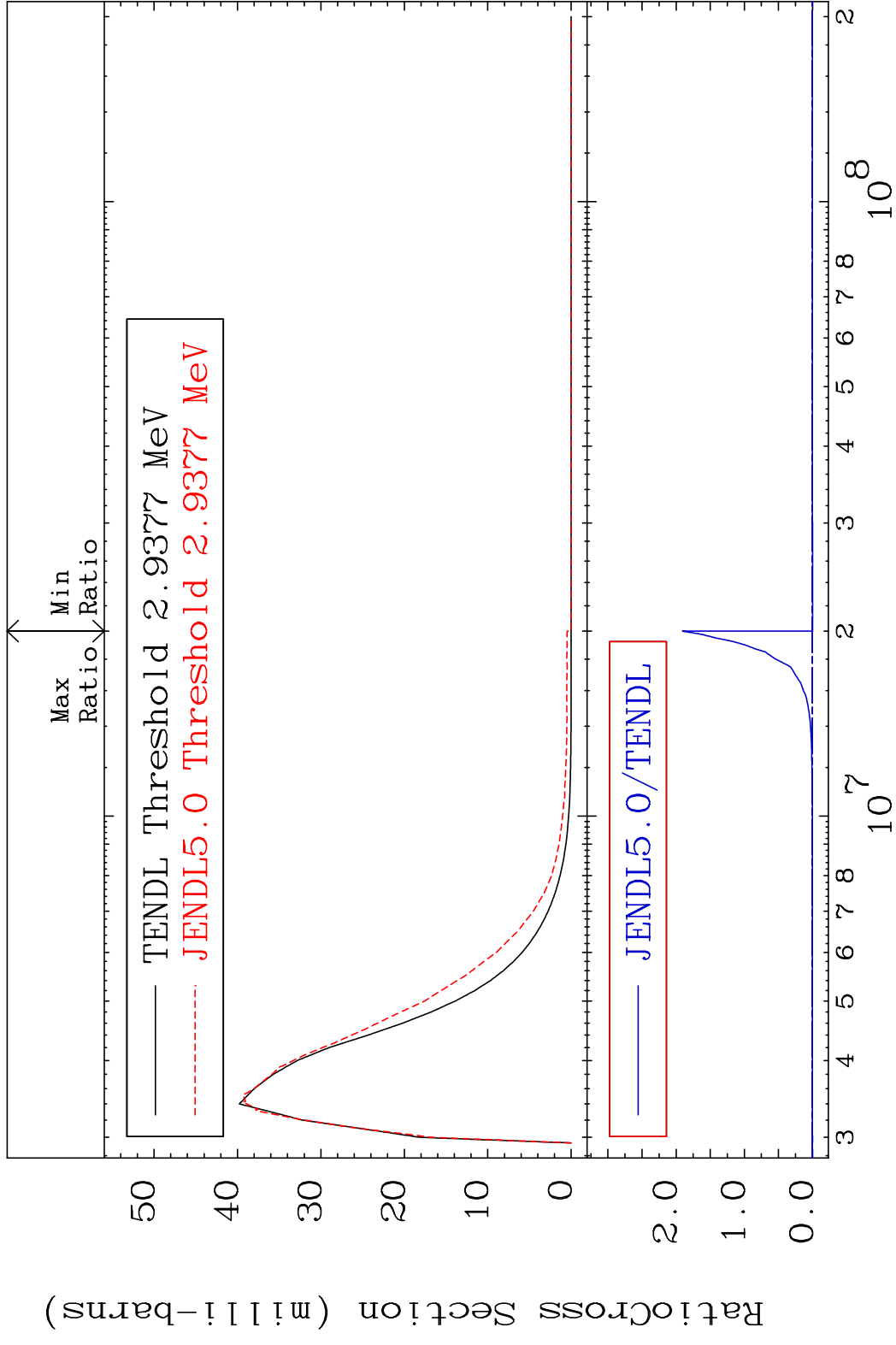
MAT 2837 MT= 53 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 24.10 %



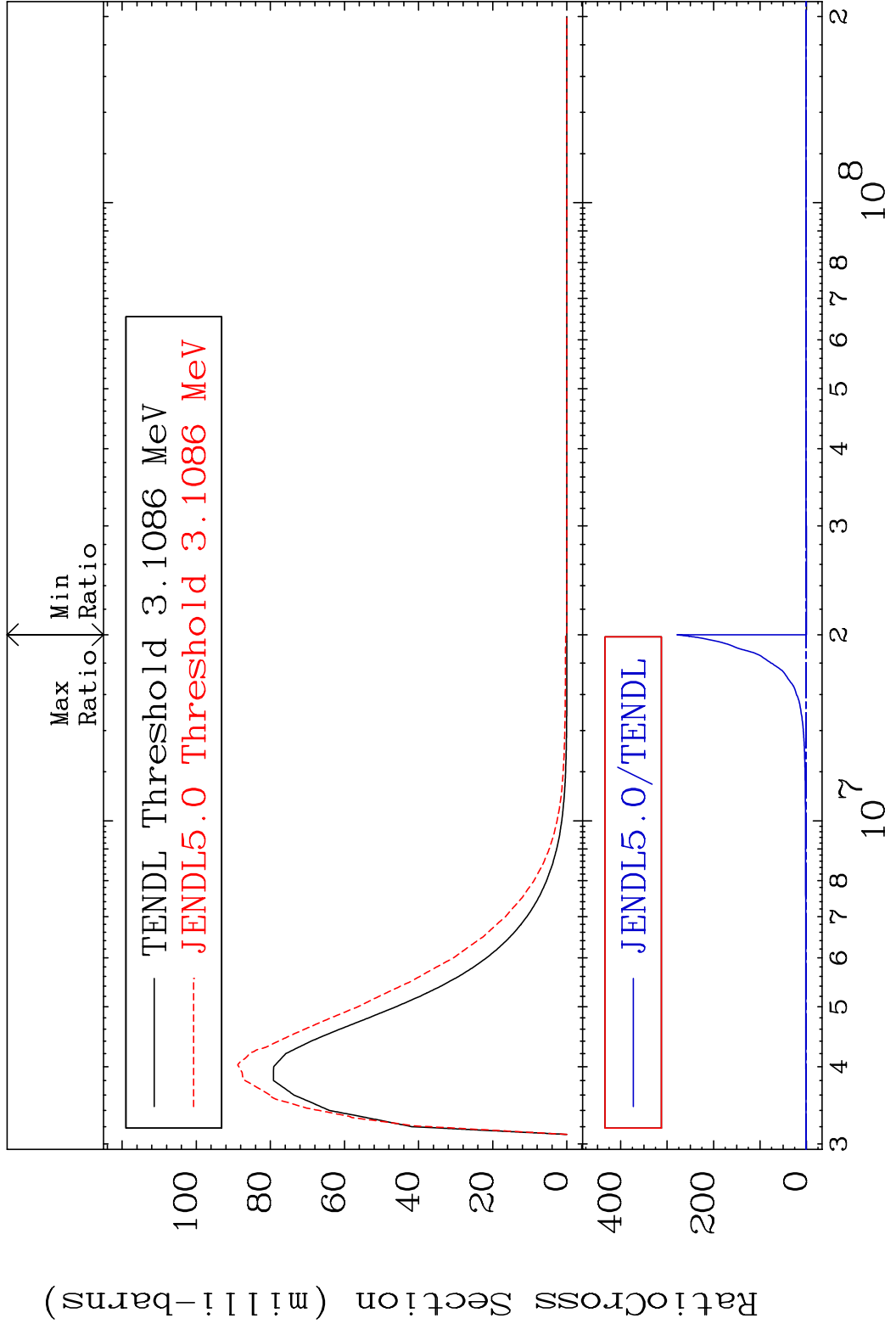
MAT 2837 MT= 54 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 252.6 %



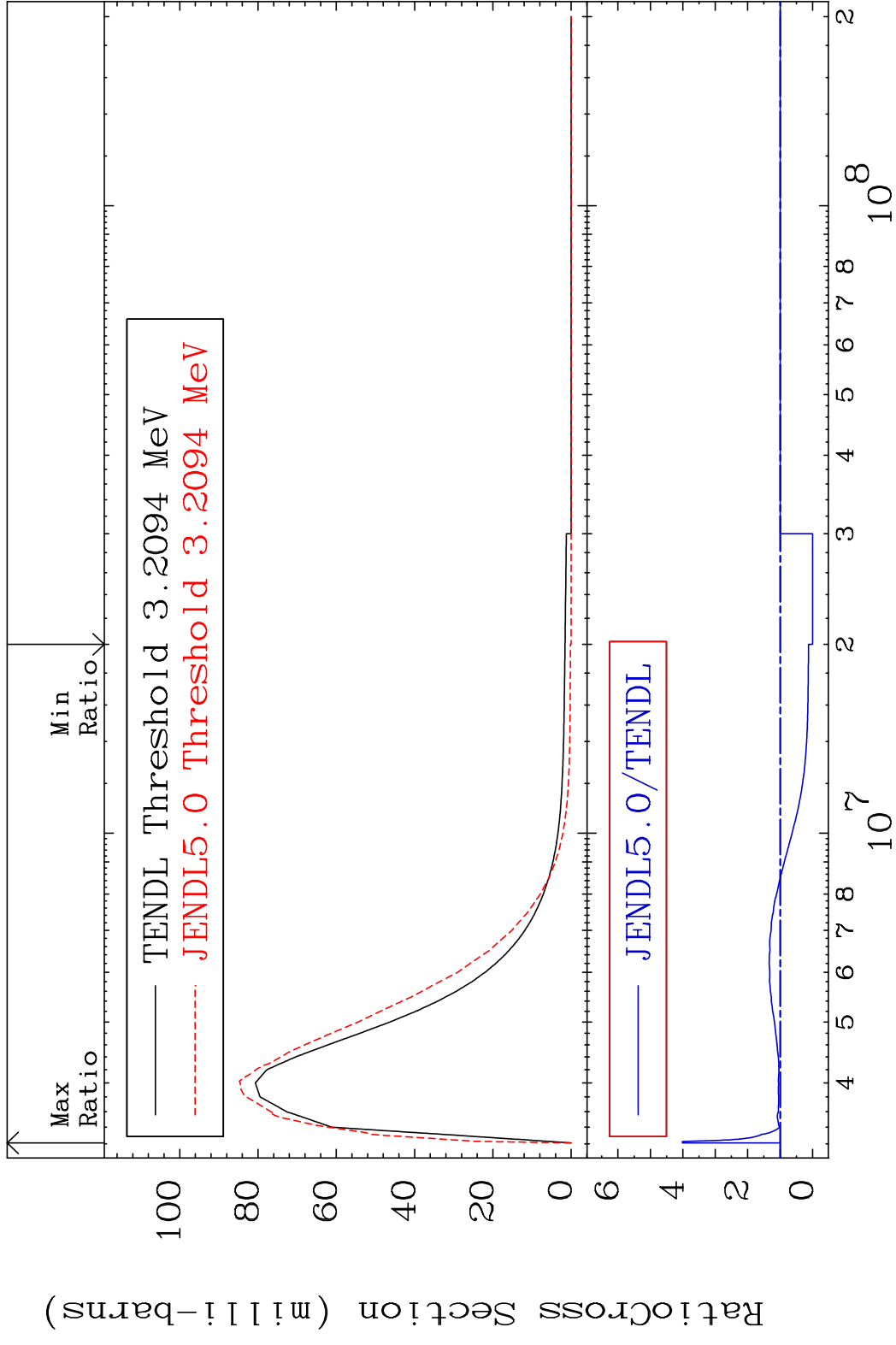
MAT 2837 MT= 55 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 9999. %



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

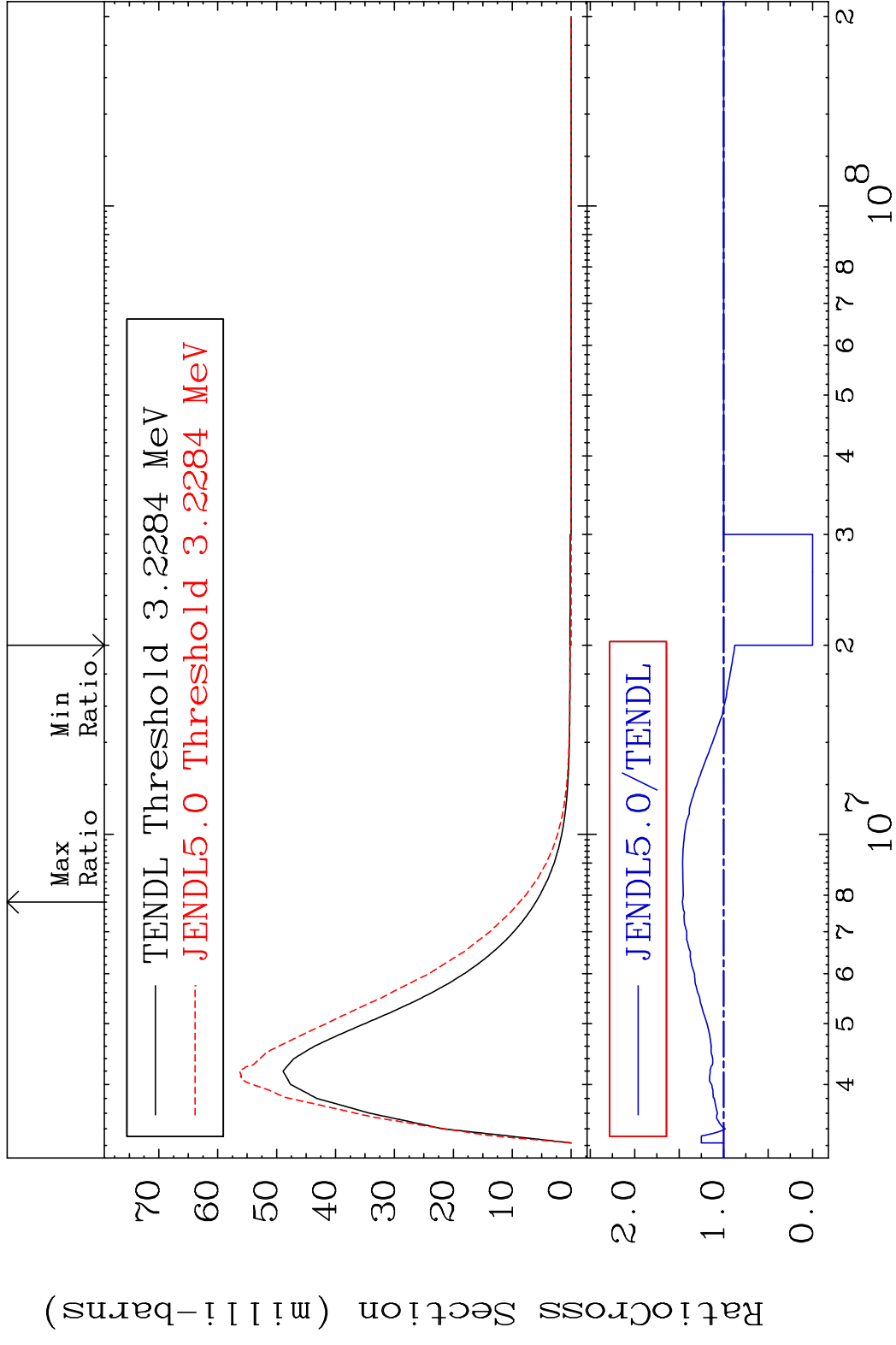


MAT 2837 MT= 57 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 301.4 %

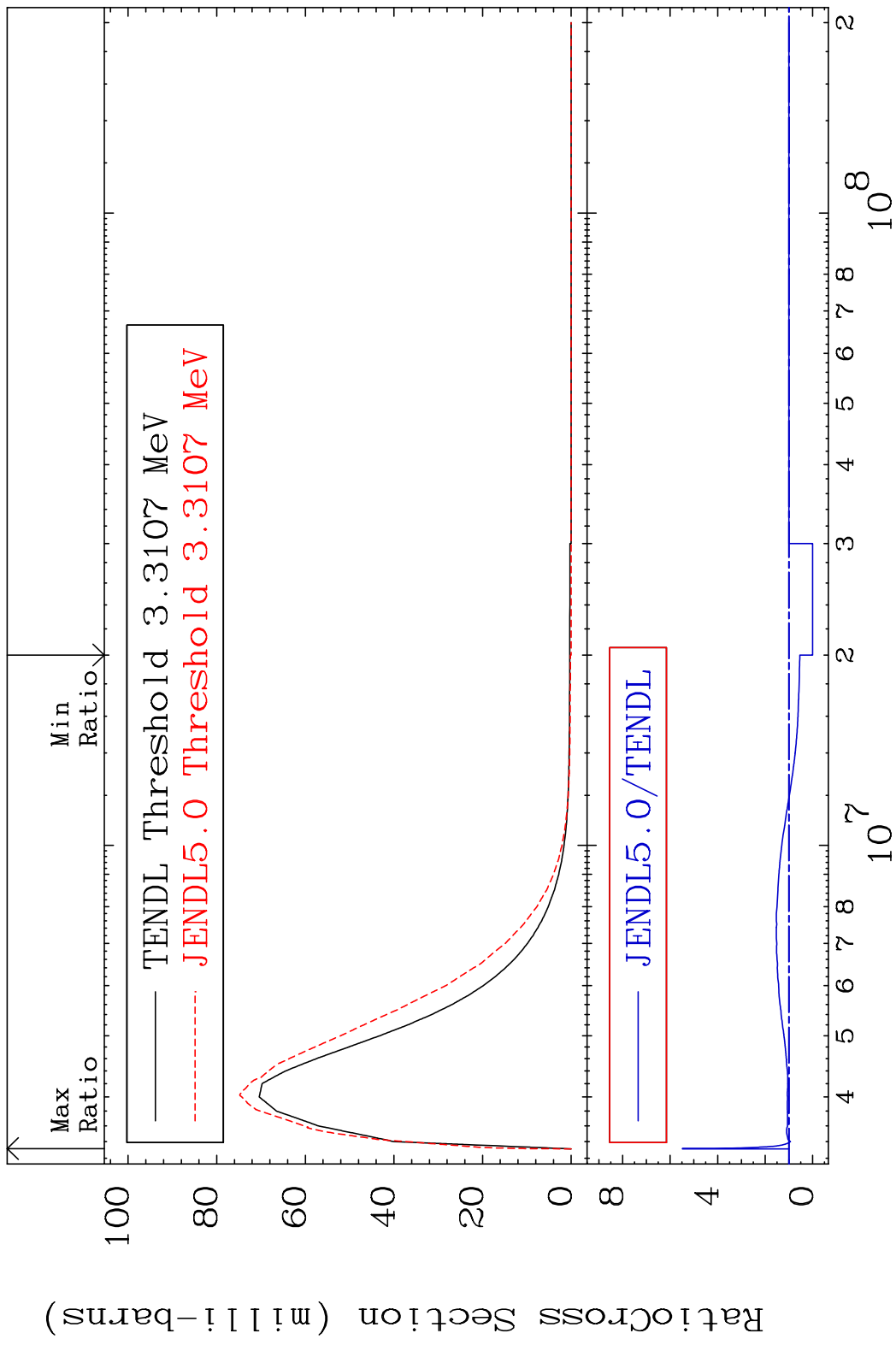


15 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 58 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 46.40 %

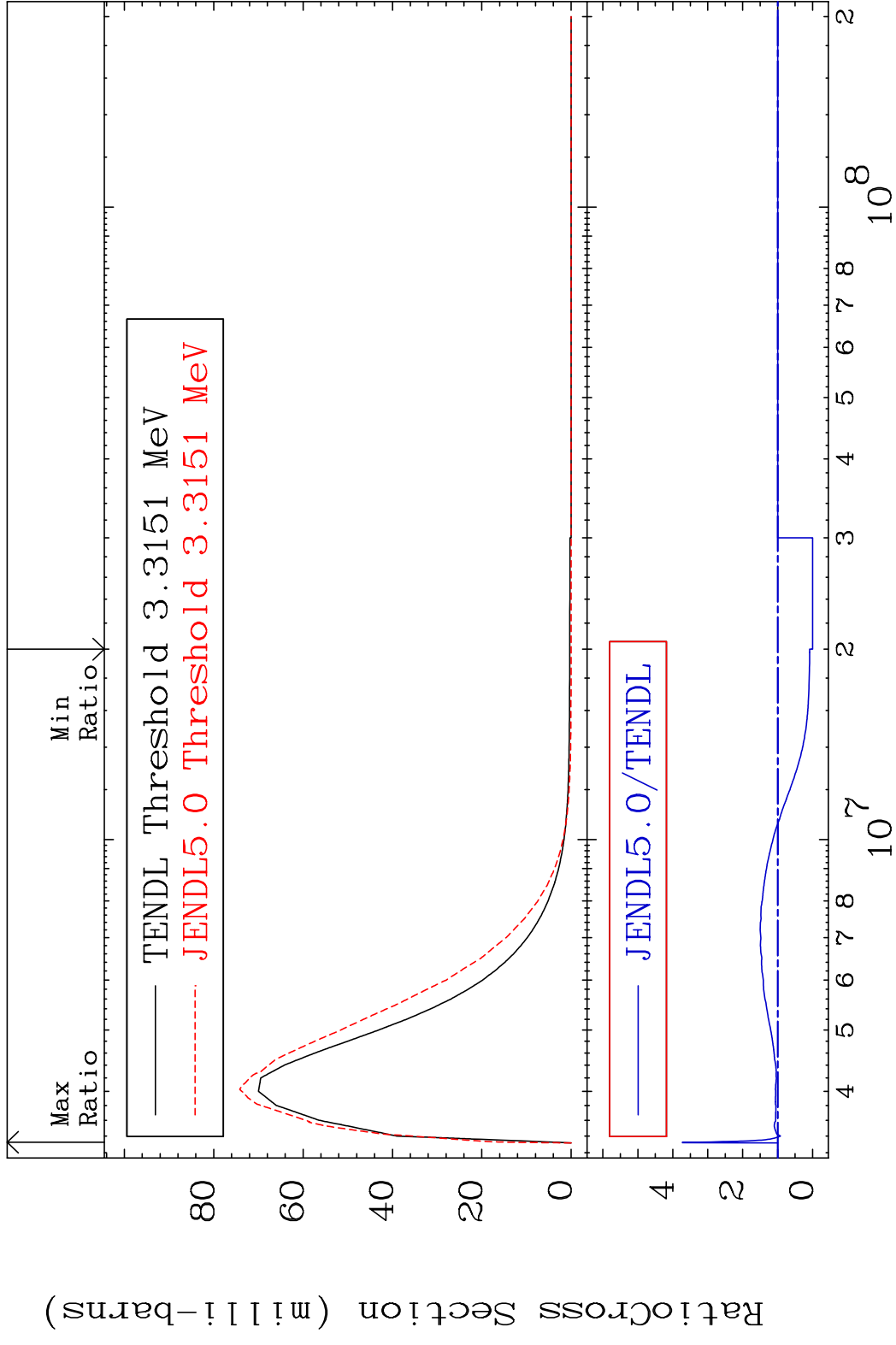


MAT 2837 MT= 59 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 448.6 %

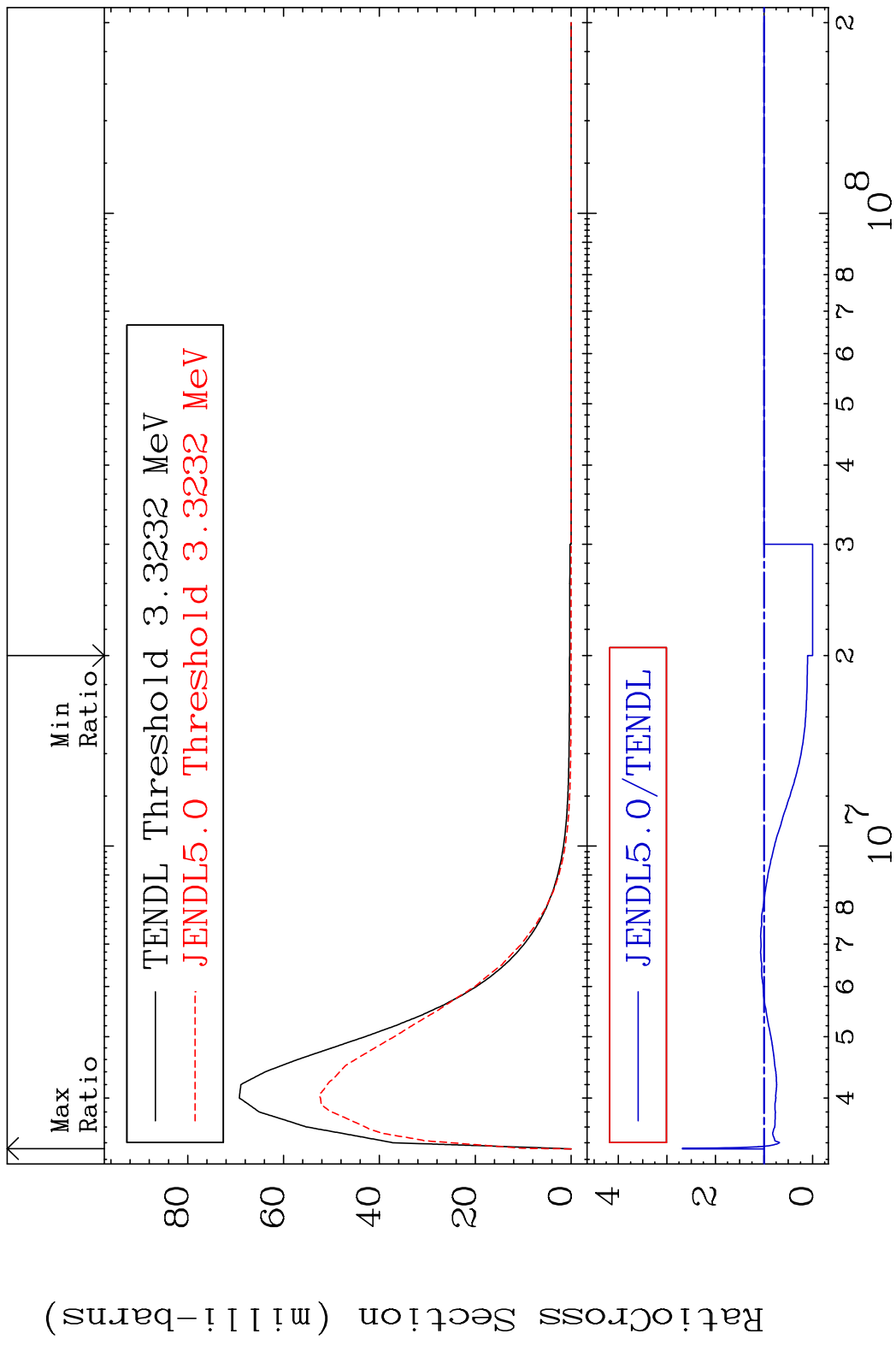


17 28-Ni-62

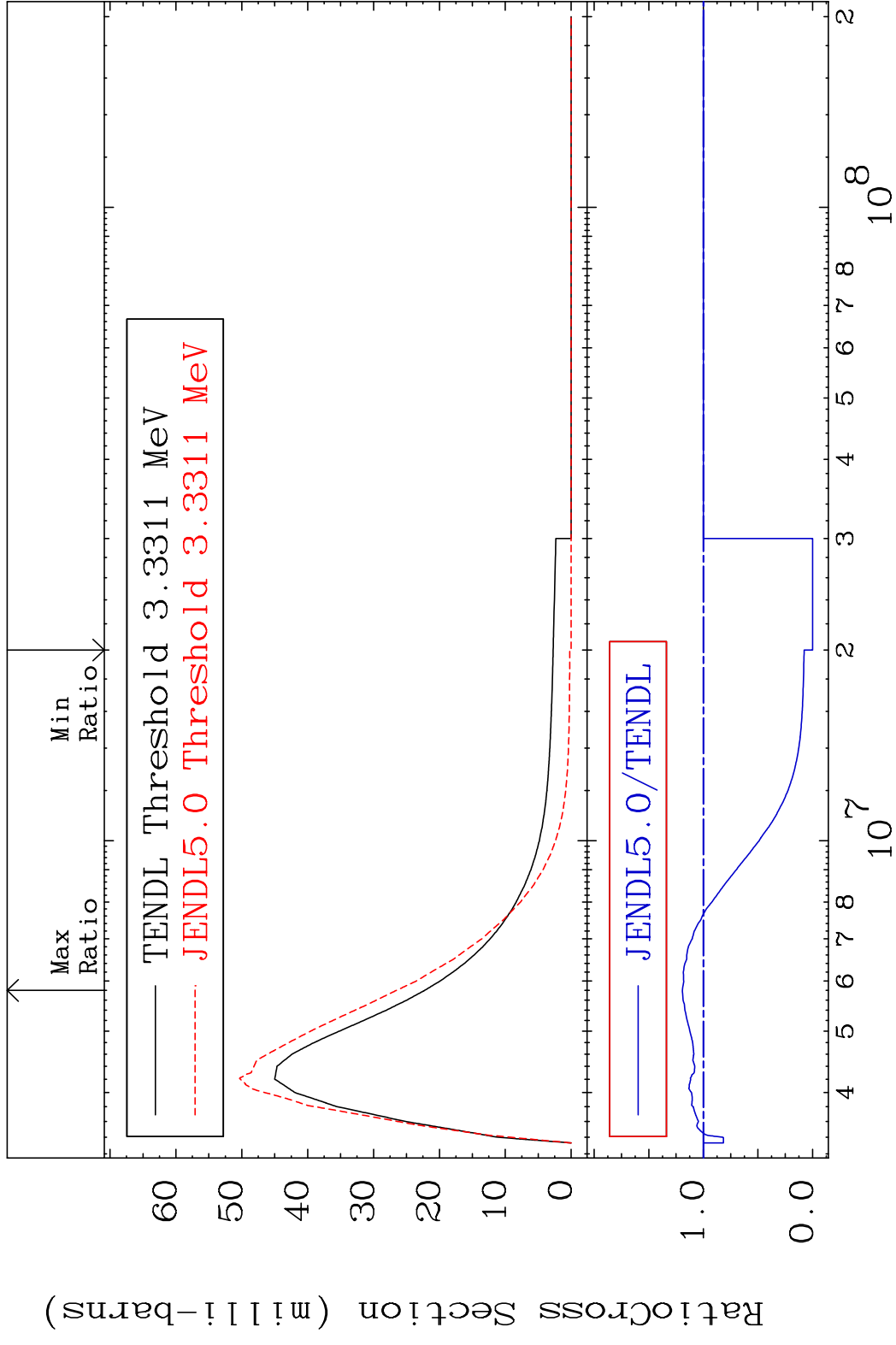
MAT 2837 MT= 60 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 272.6 %



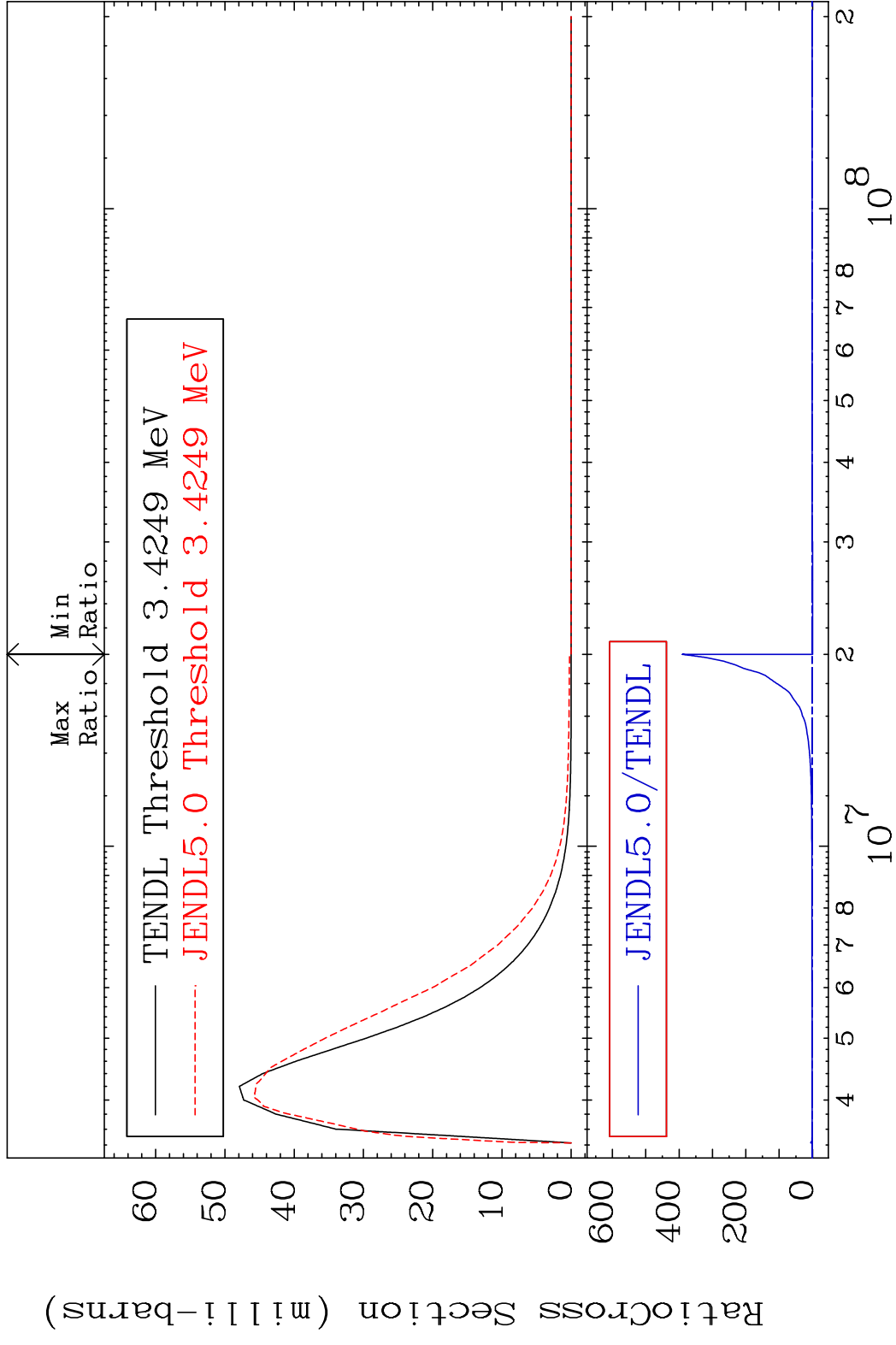
MAT 2837 MT= 61 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 168.2 %



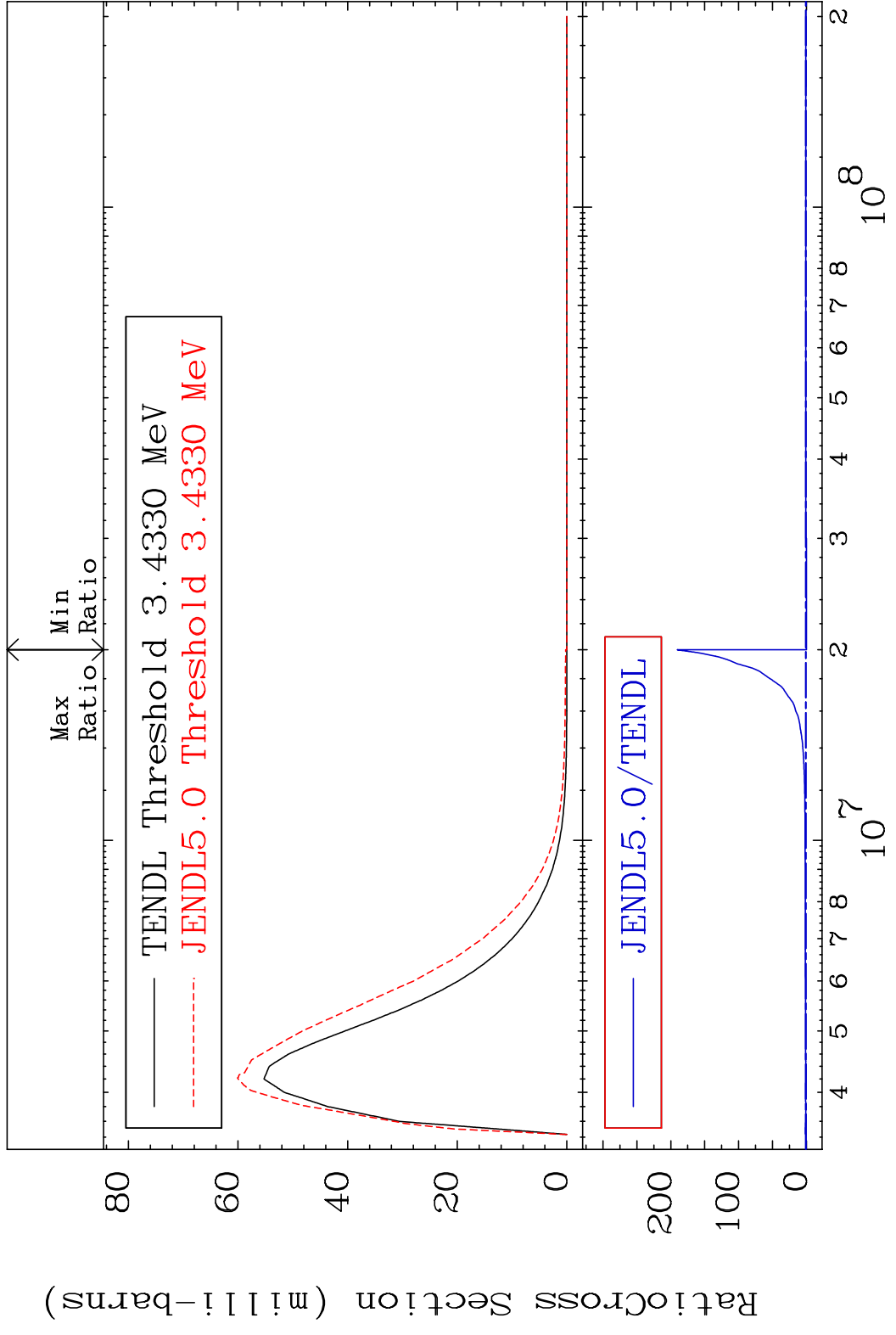
MAT 2837 MT= 62 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 19.28 %



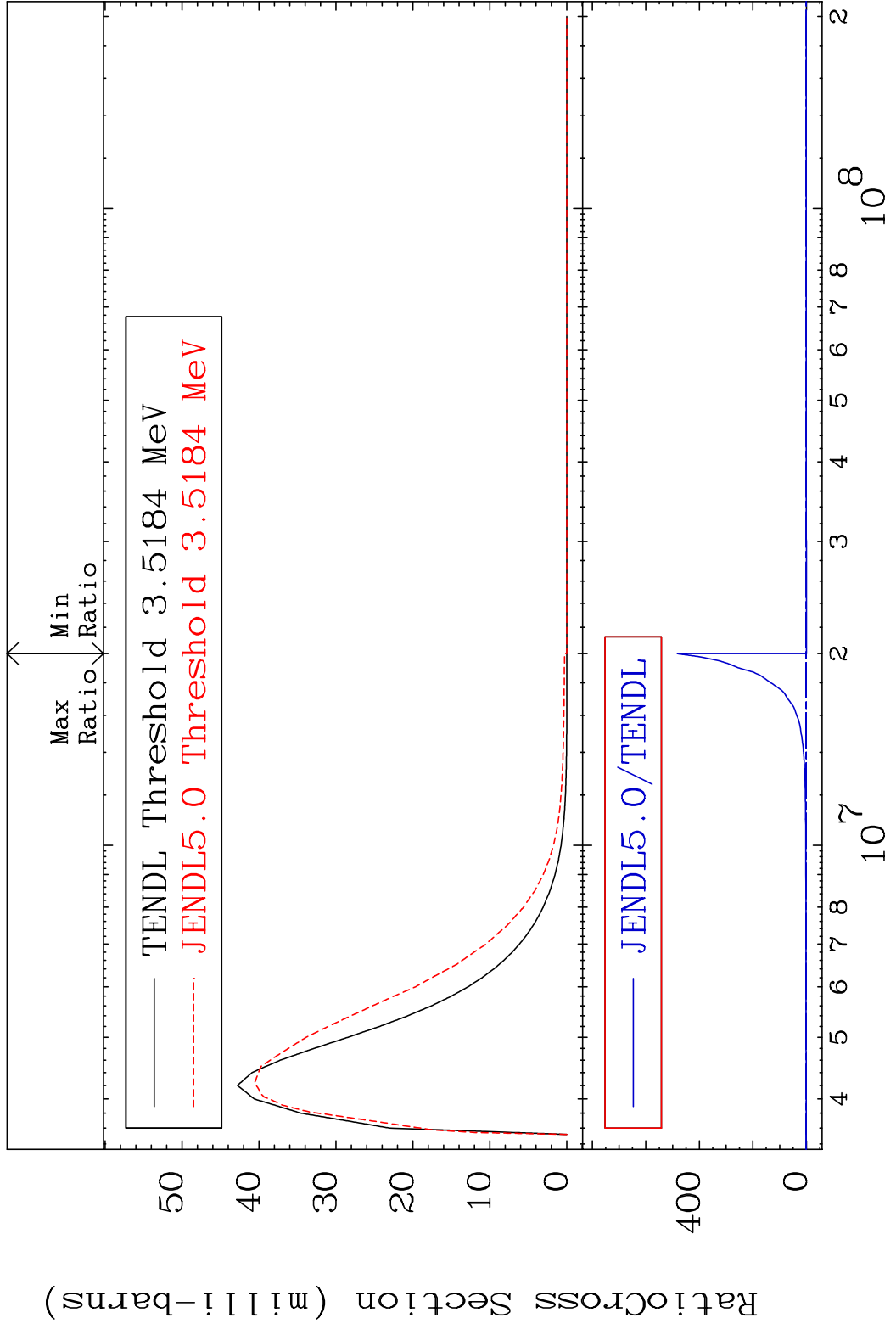
MAT 2837 MT= 63 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 9999. %



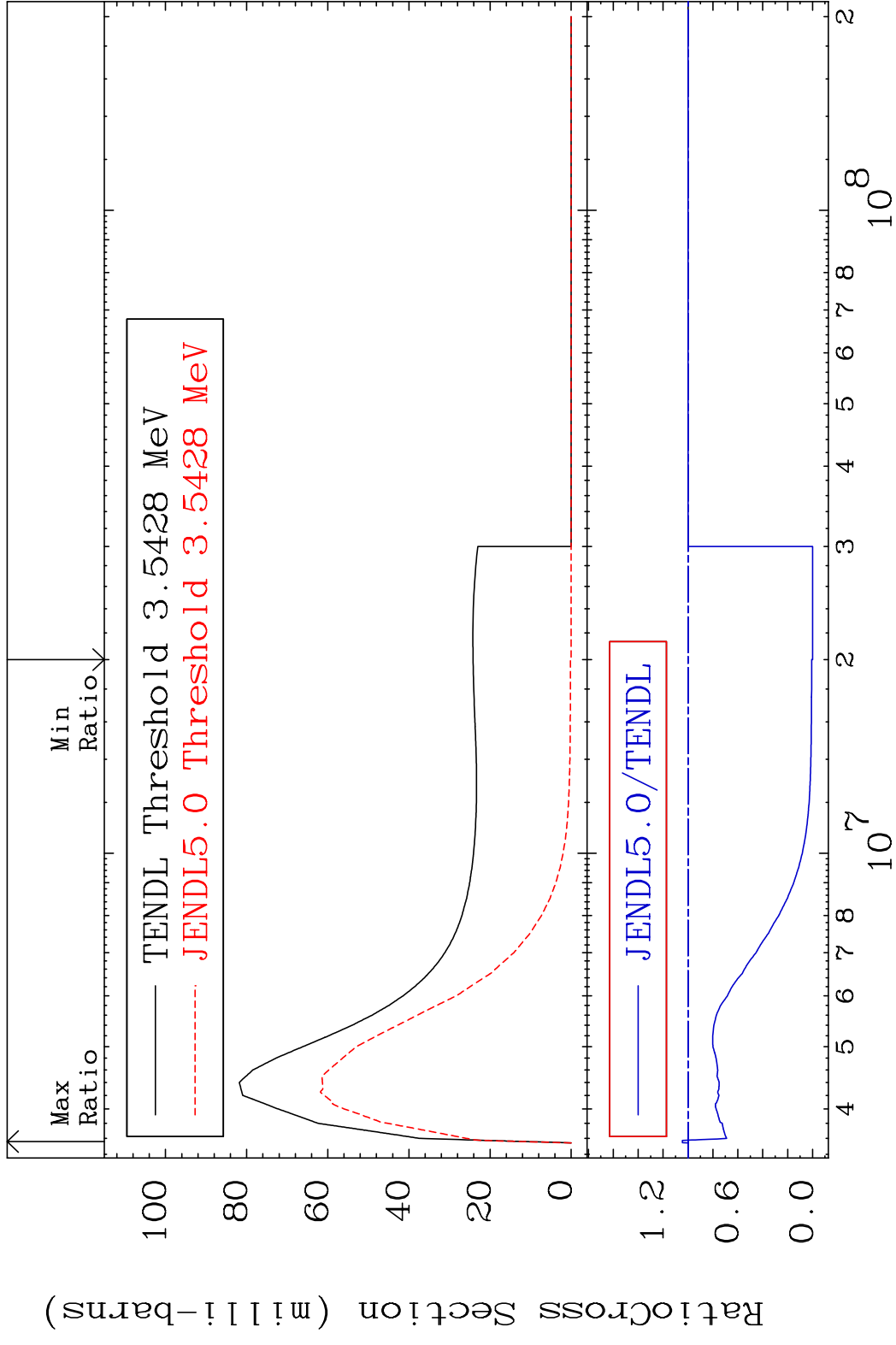
MAT 2837 MT= 64 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 9999. %



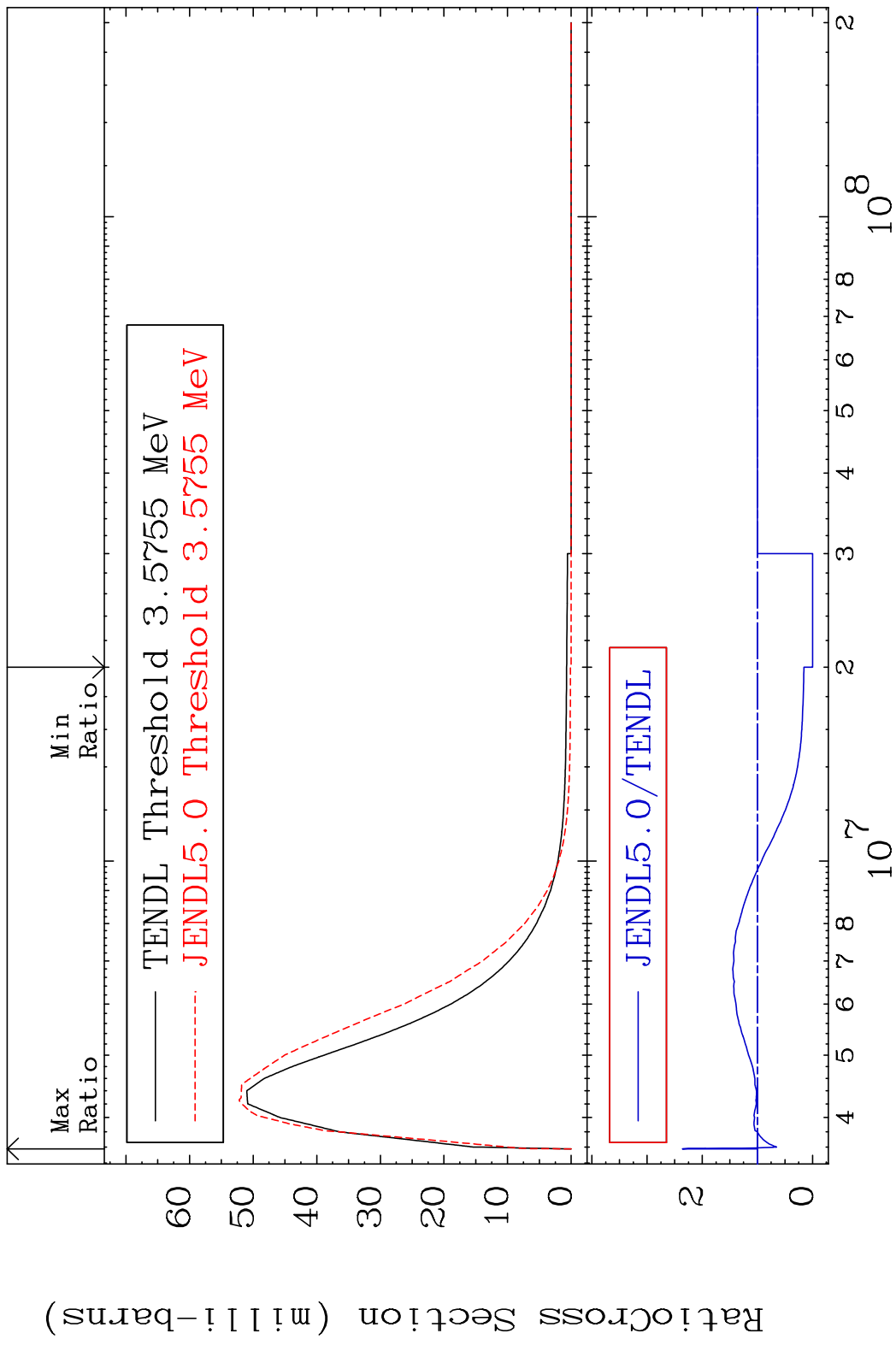
MAT 2837 MT= 65 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 9999. %



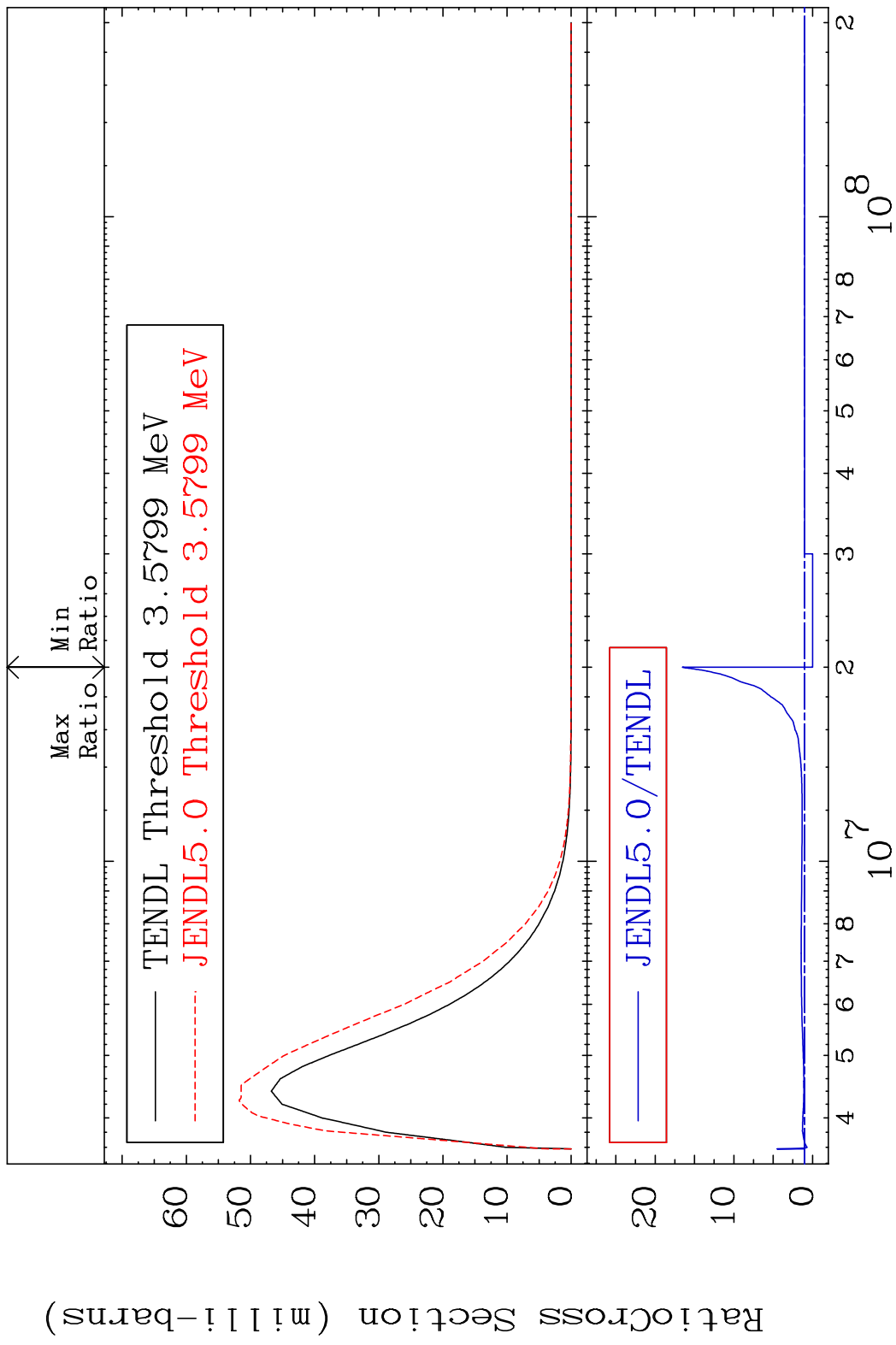
MAT 2837 MT= 66 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 4.530 %



MAT 2837 MT= 67 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 136.0 %

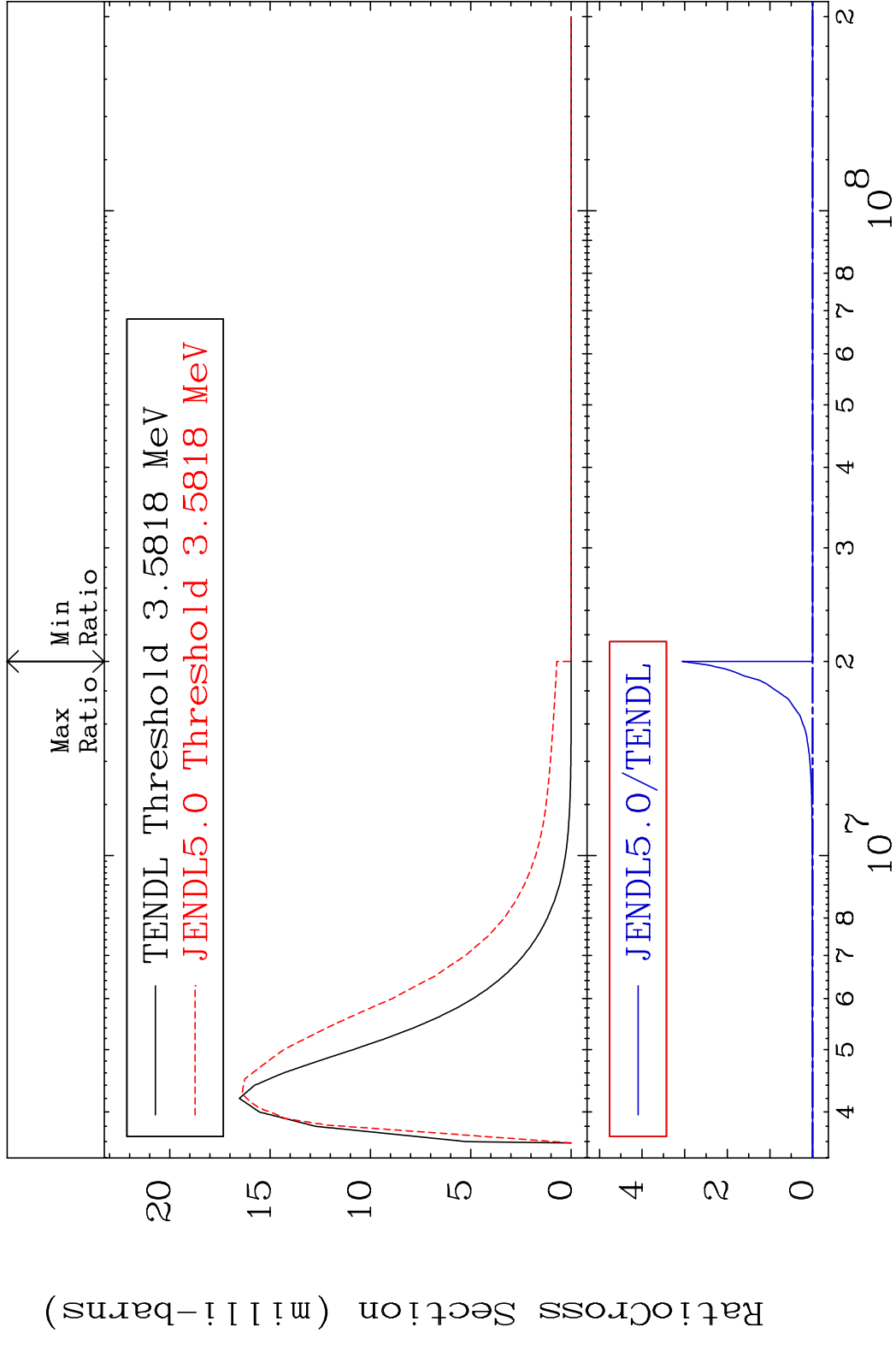


MAT 2837 MT= 68 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 1554. %

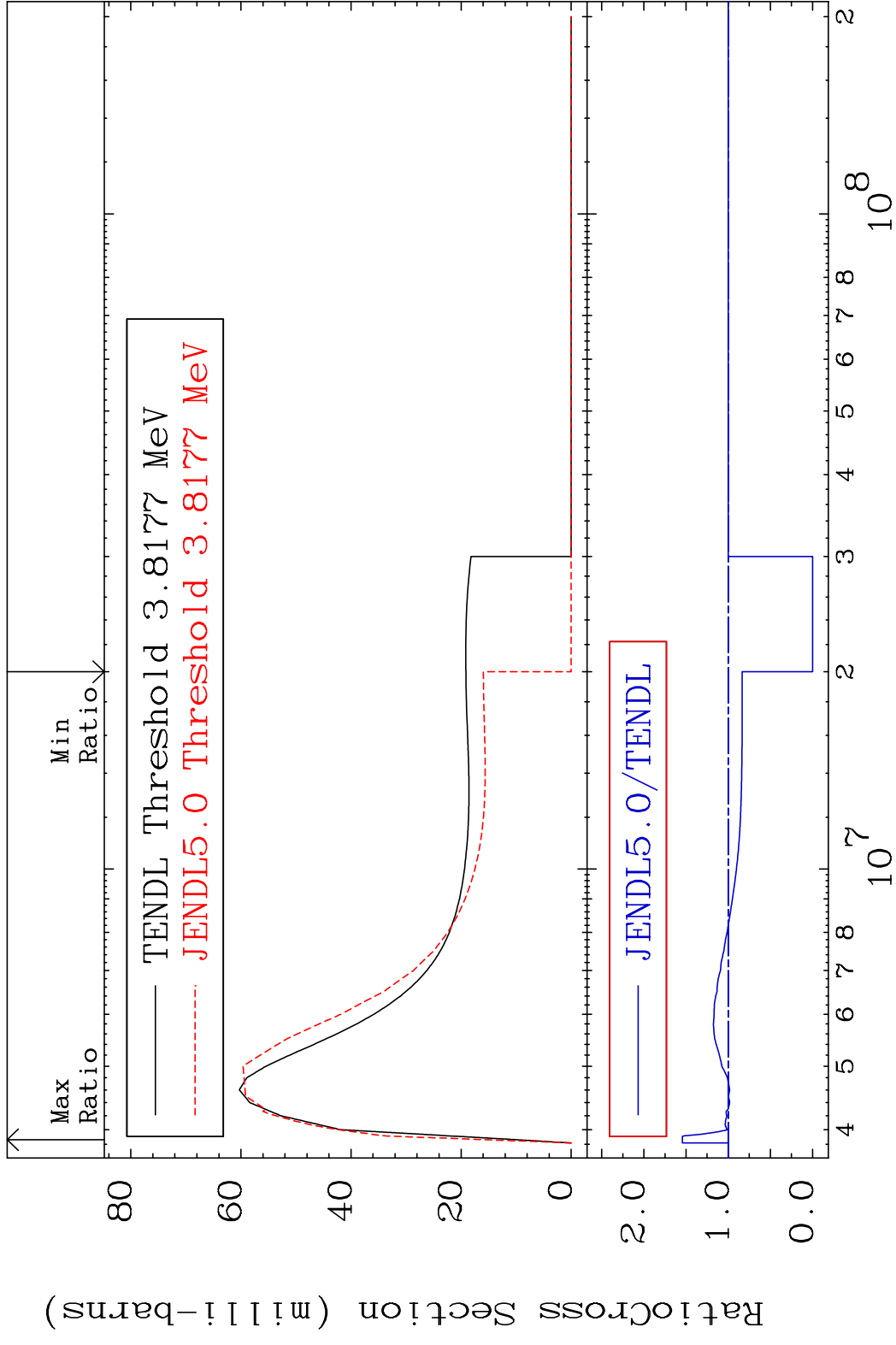


26 Incident Energy (eV) 28-Ni-62

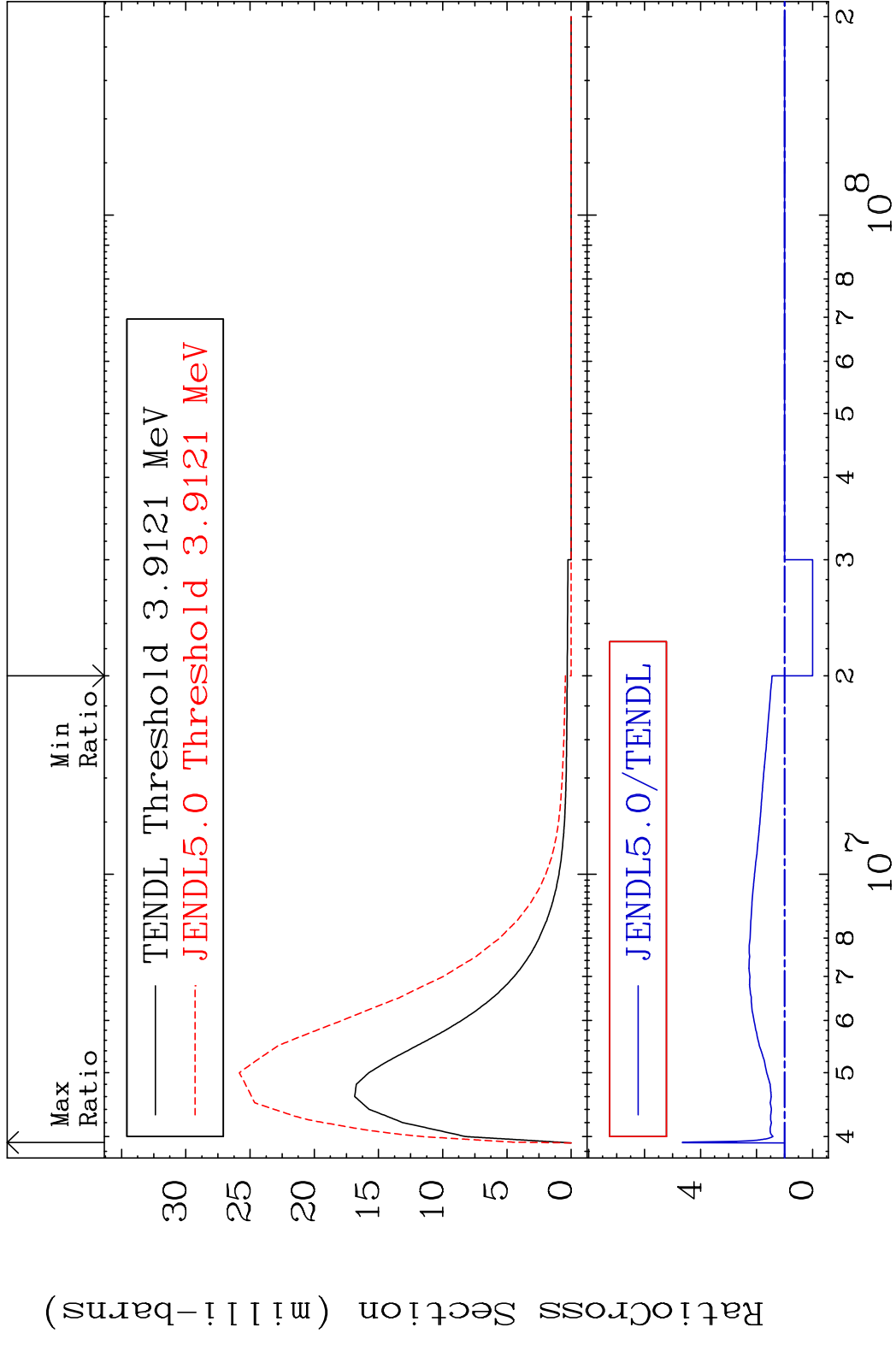
MAT 2837 MT= 69 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 9999. %



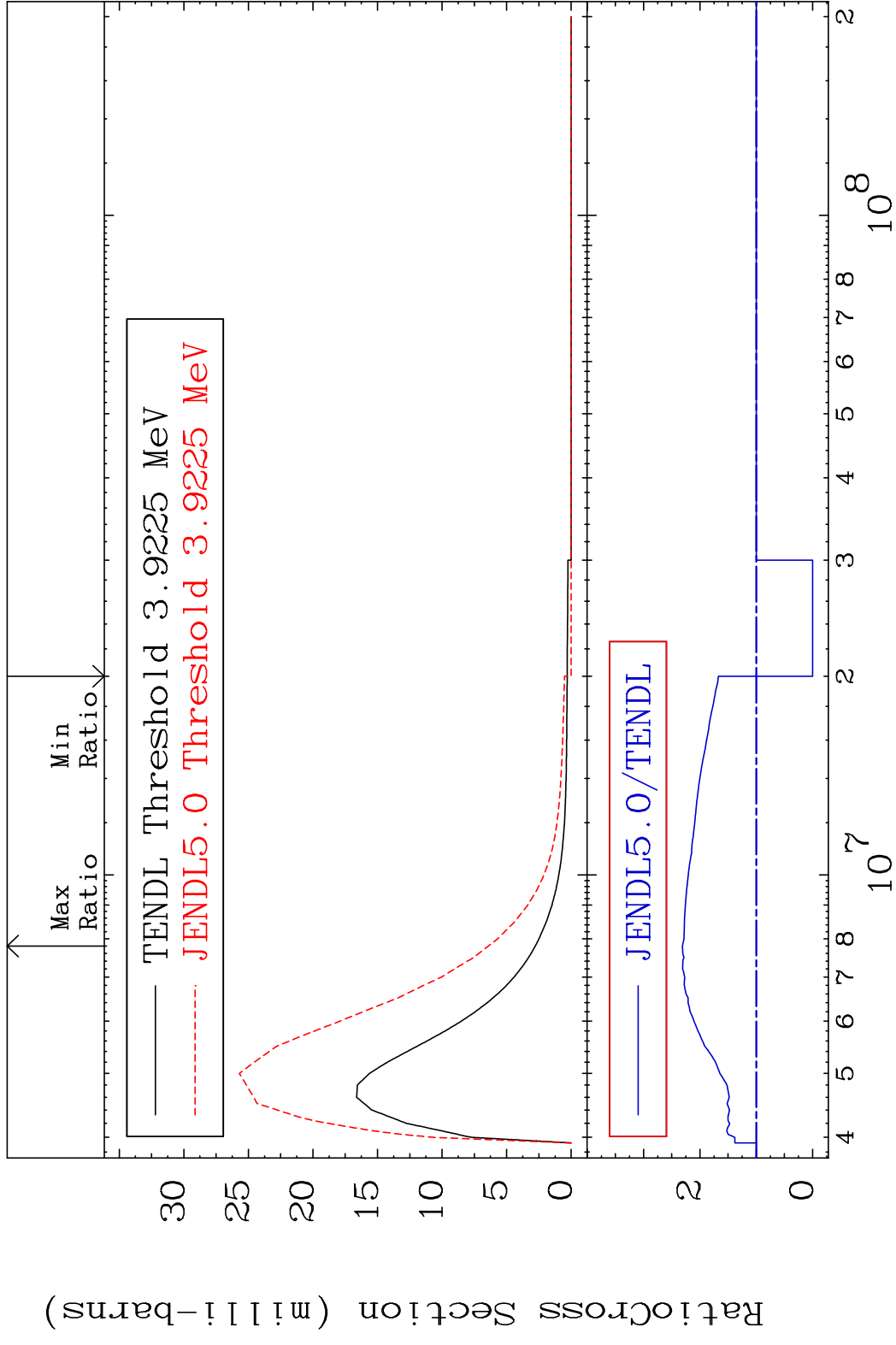
MAT 2837 MT= 70 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 54.36 %



MAT 2837 MT= 71 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 365.1 %

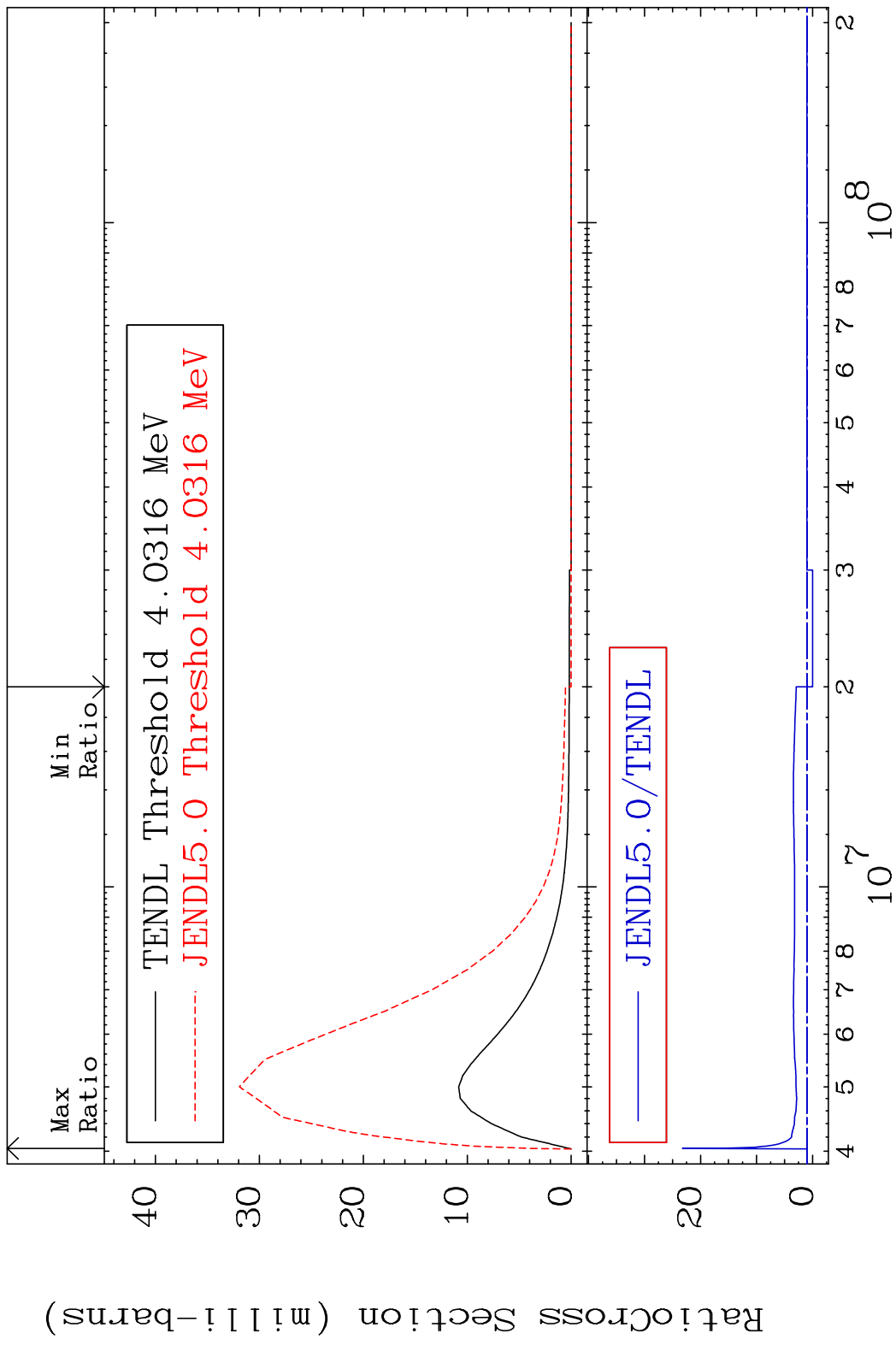


MAT 2837 MT= 72 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 131.2 %



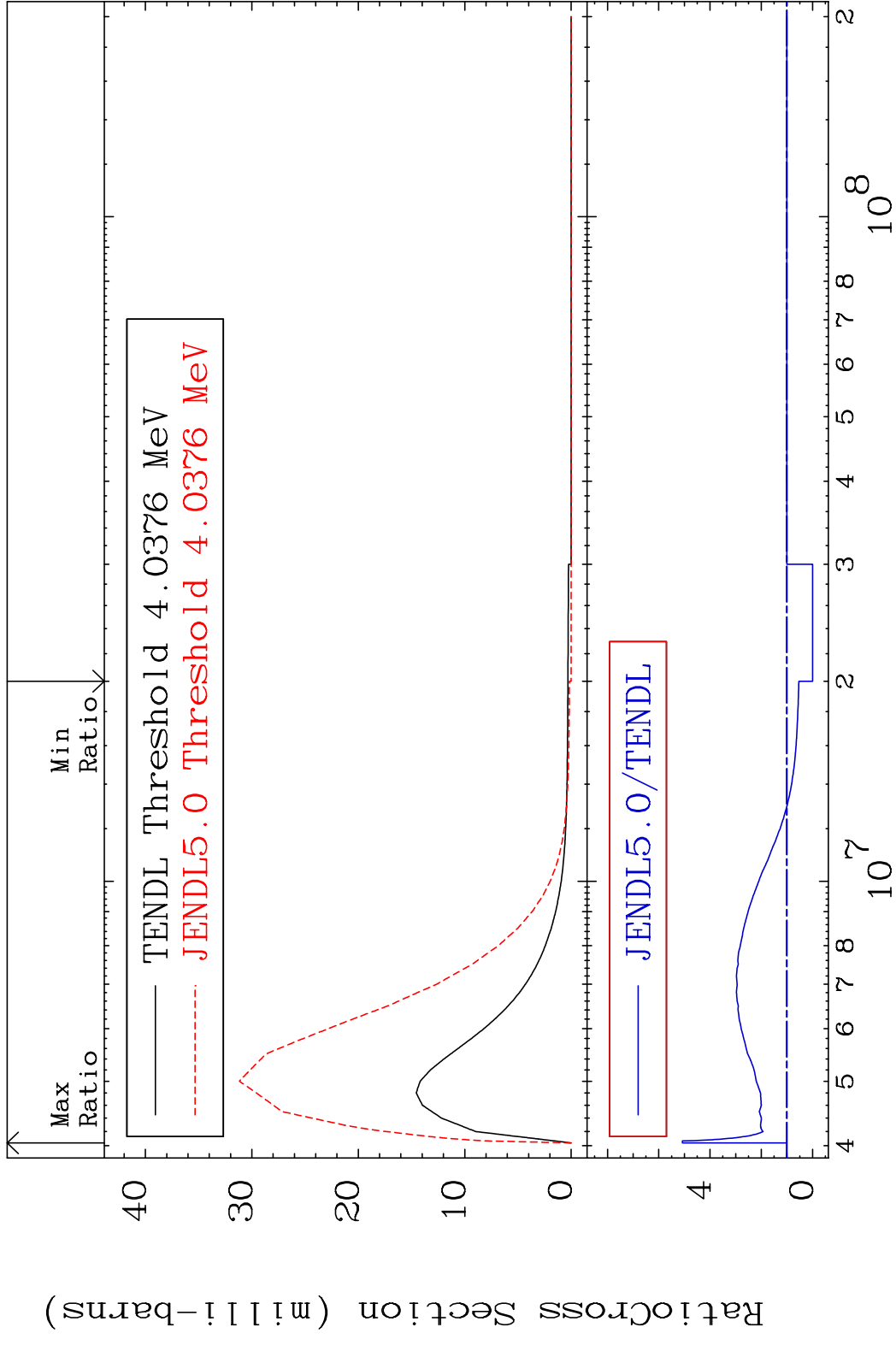
30 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 73 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 2224. %

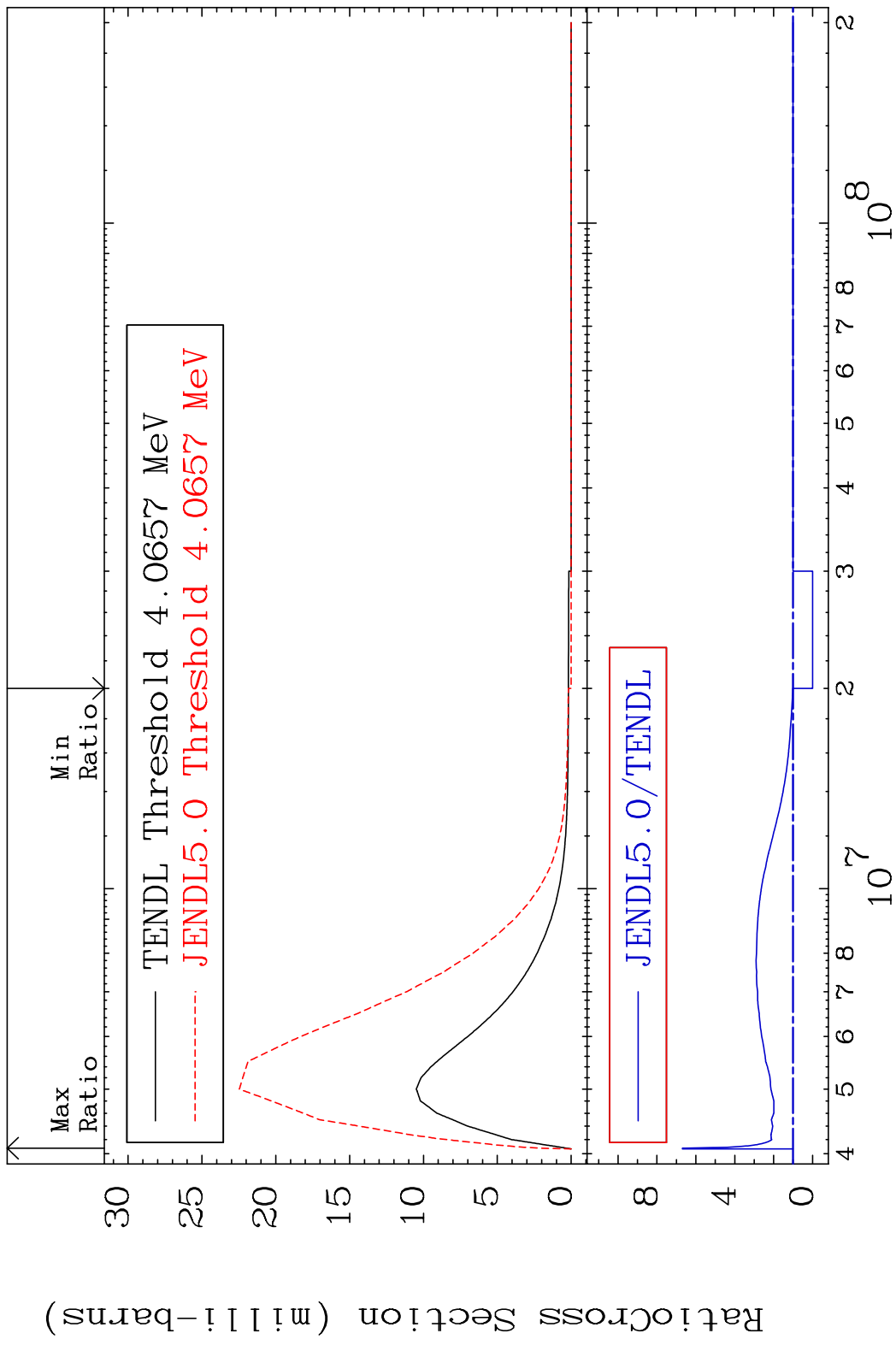


31 Incident Energy (eV) 28-Ni-62

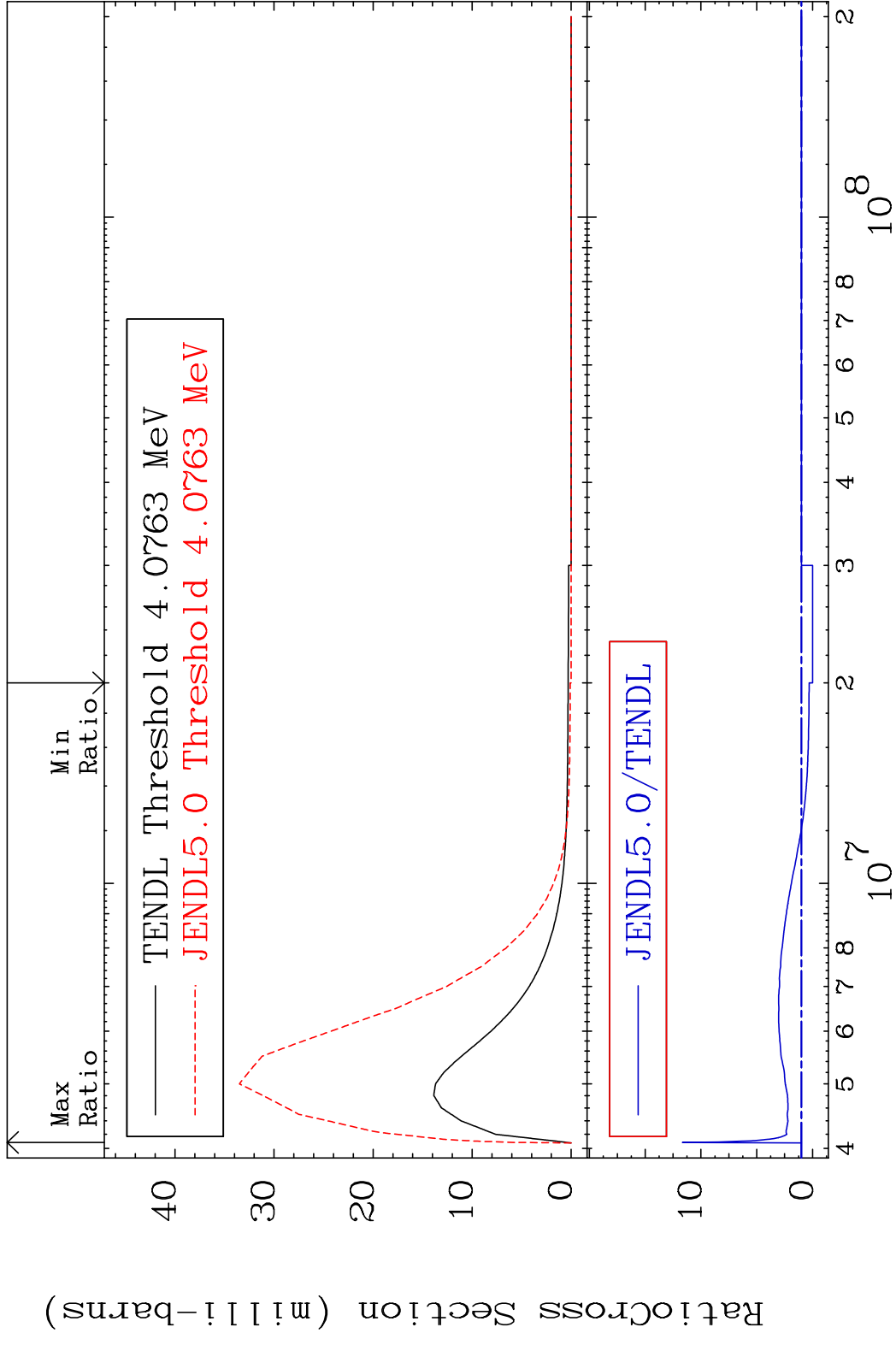
MAT 2837 MT= 74 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 407.9 %



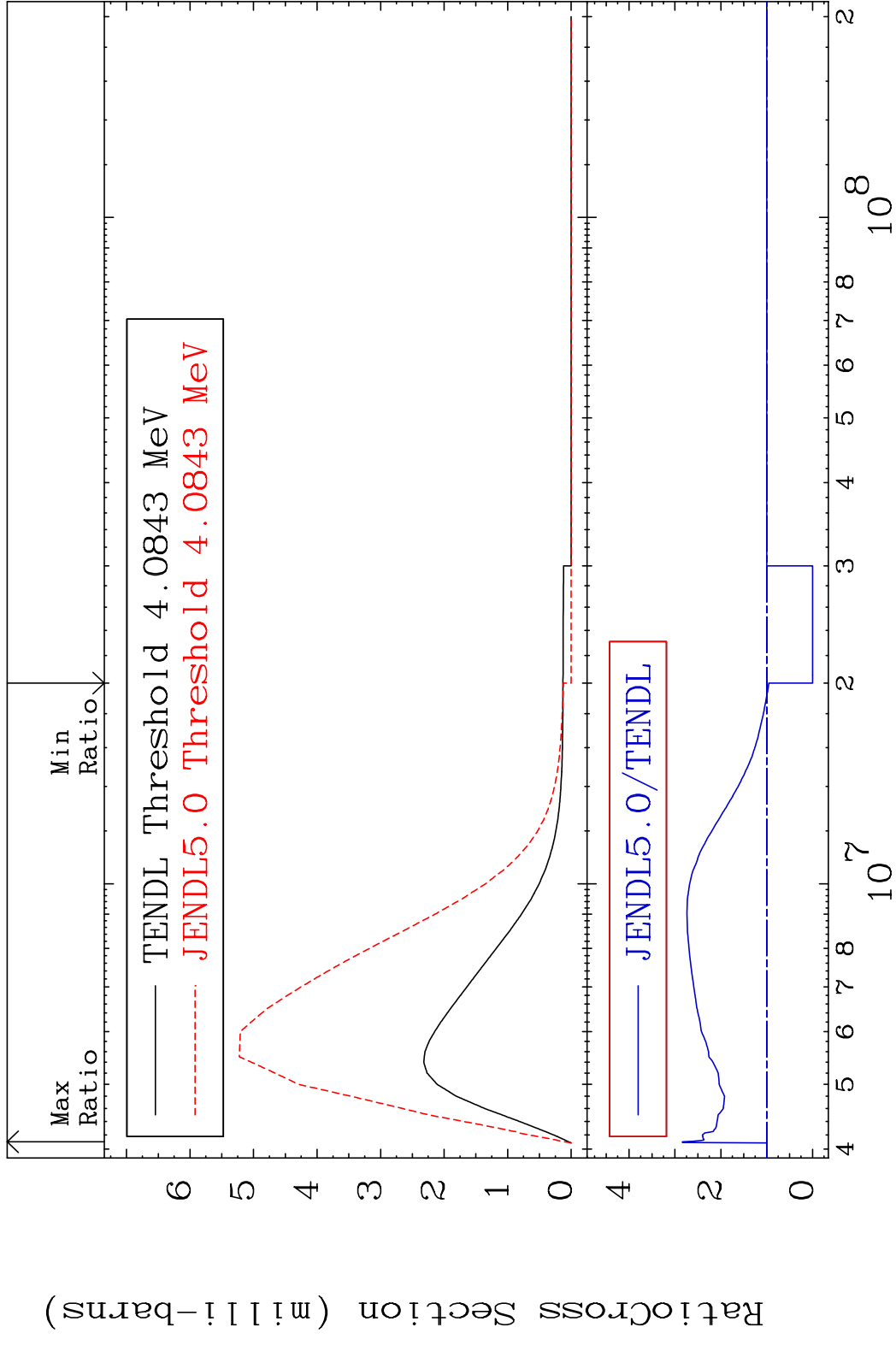
MAT 2837 MT= 75 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 569.4 %



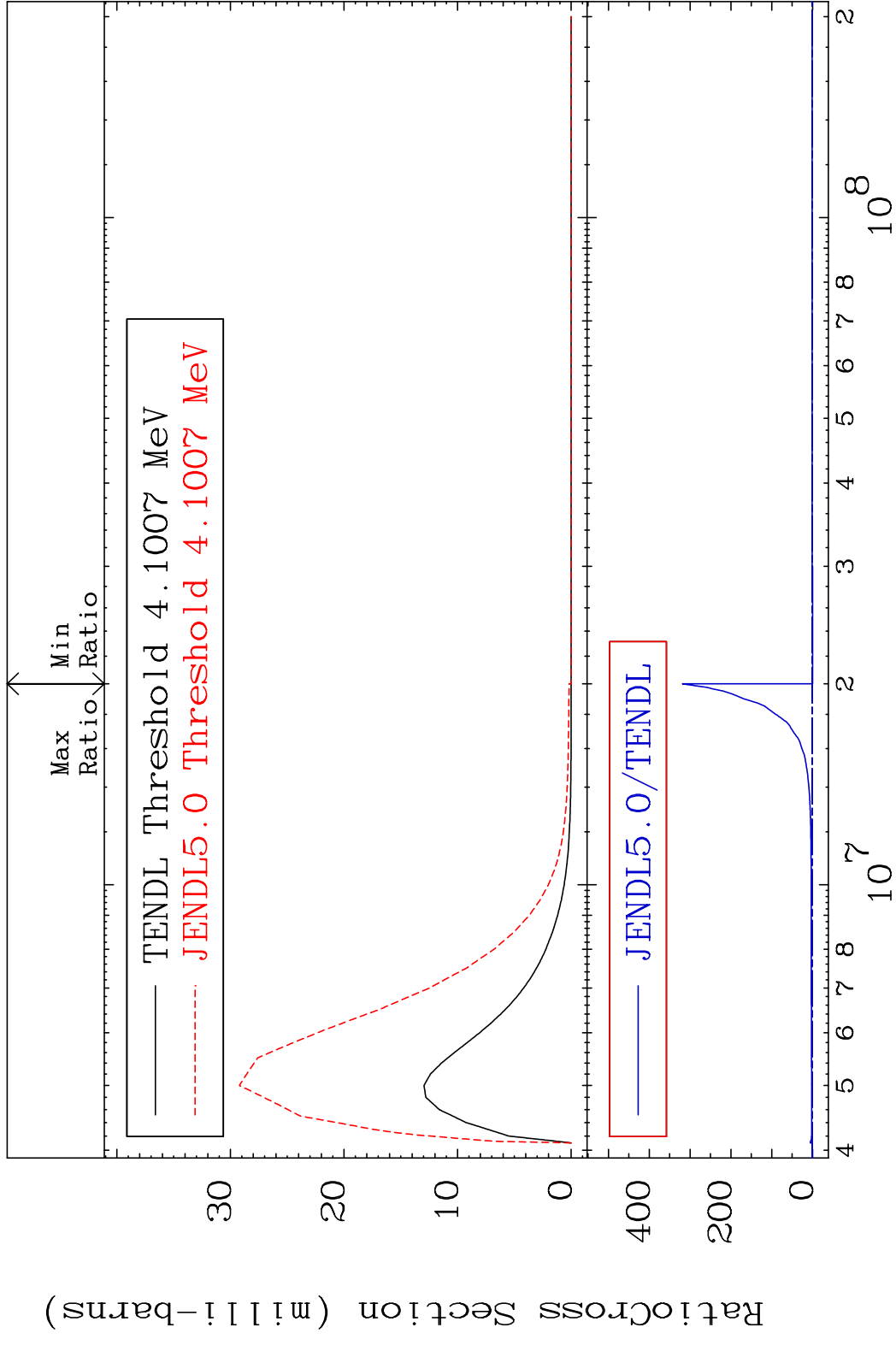
MAT 2837 MT= 76 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 1067. %



MAT 2837 MT= 77 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 183.9 %



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

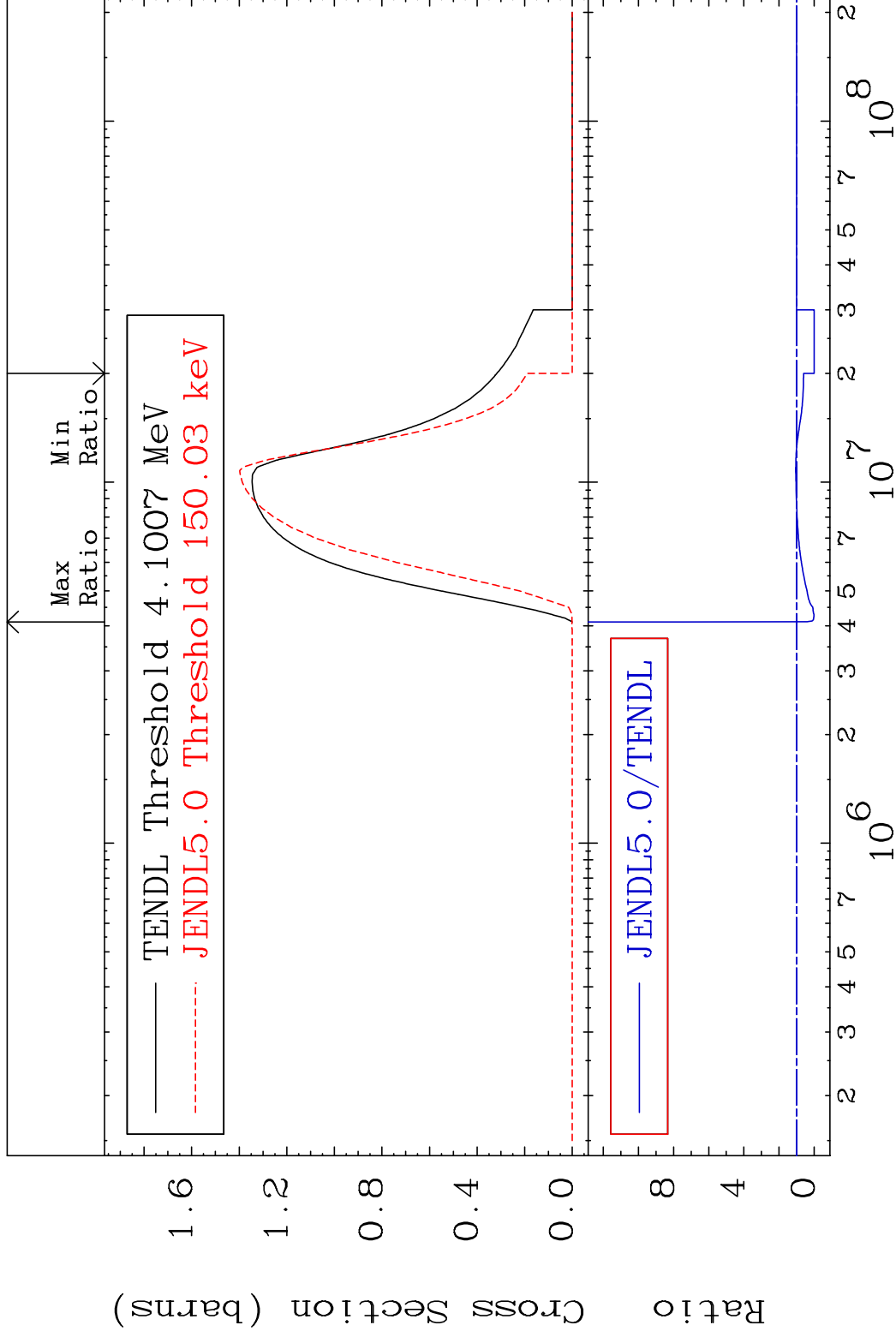


MAT 2837

(n,n') Continuum

²⁸Ni-62

Cross Section -100.0 To 642.7 %



37

Incident Energy (eV)

²⁸Ni-62

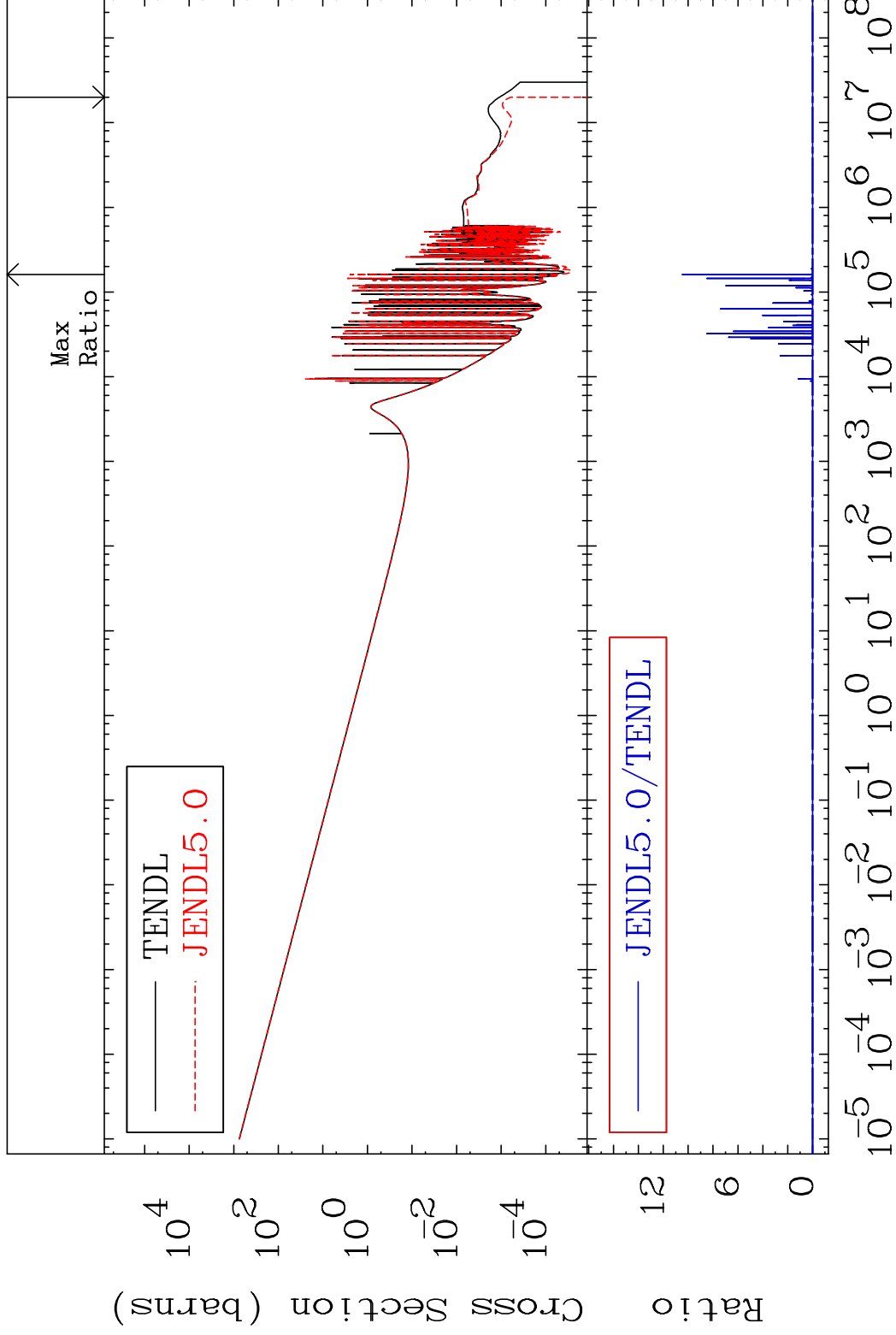
MAT 2837

(n, γ)

28-Ni-62

Cross Section

-100.0 To 9999. %

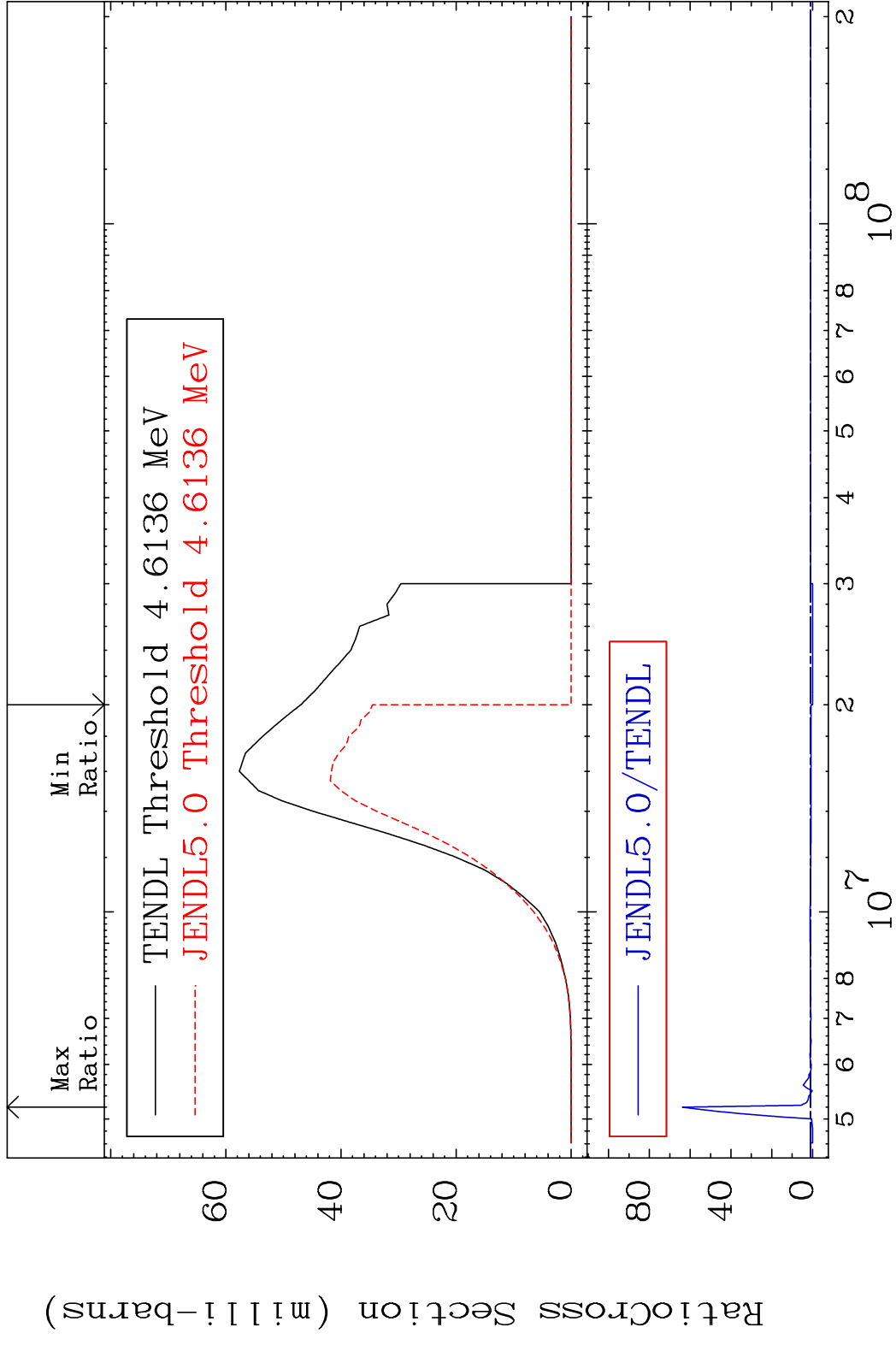


38

Incident Energy (eV)

28-Ni-62

MAT 2837 (n,p) 28-Ni-62
 Cross Section -100.0 To 6284. %

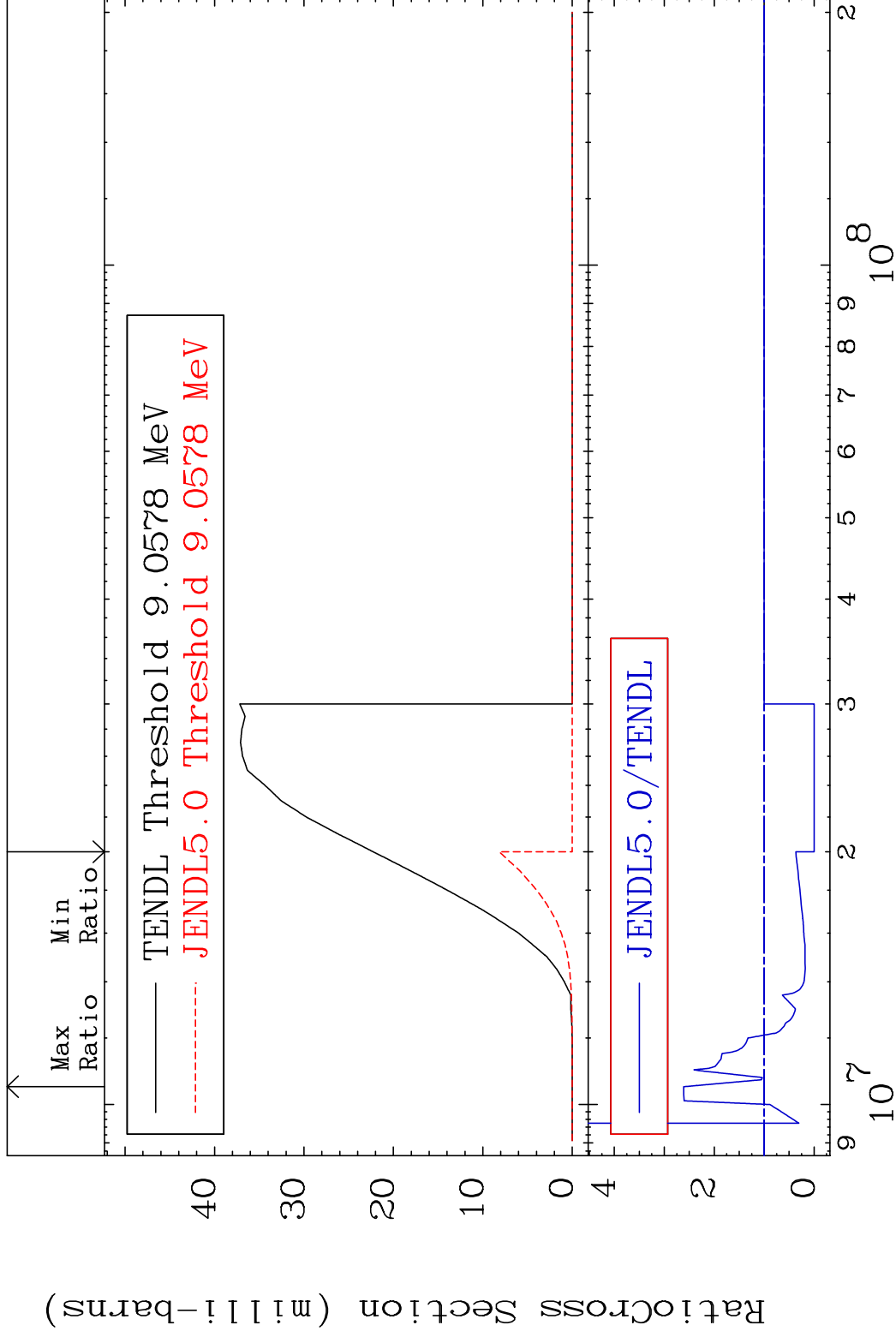


MAT 2837

(n,d)

28-Ni-62

Cross Section -100.0 To 161.1 %

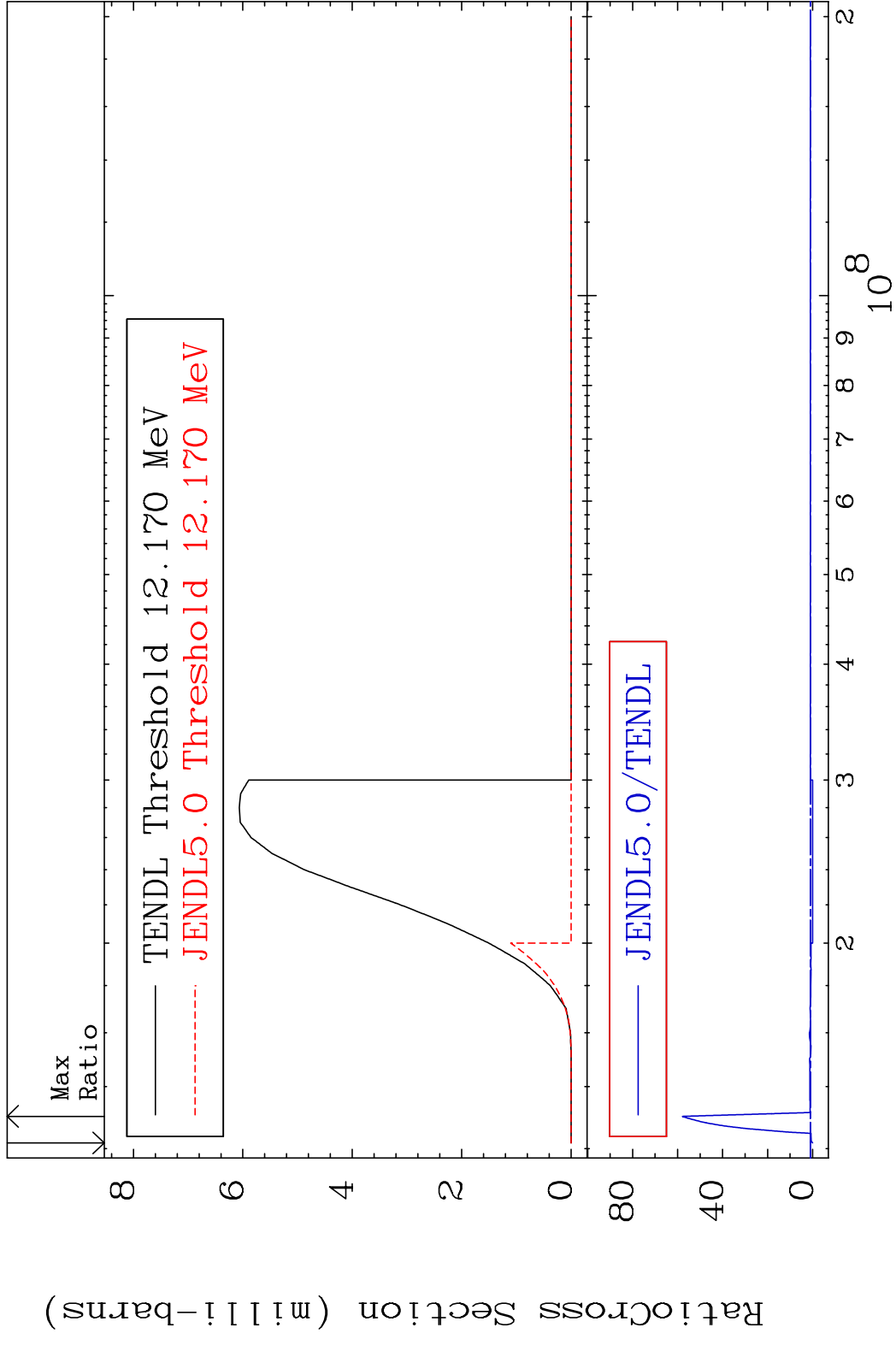


40

Incident Energy (eV)

28-Ni-62

MAT 2837 (n, t) 28-Ni-62
 Cross Section -100.0 To 5689. %

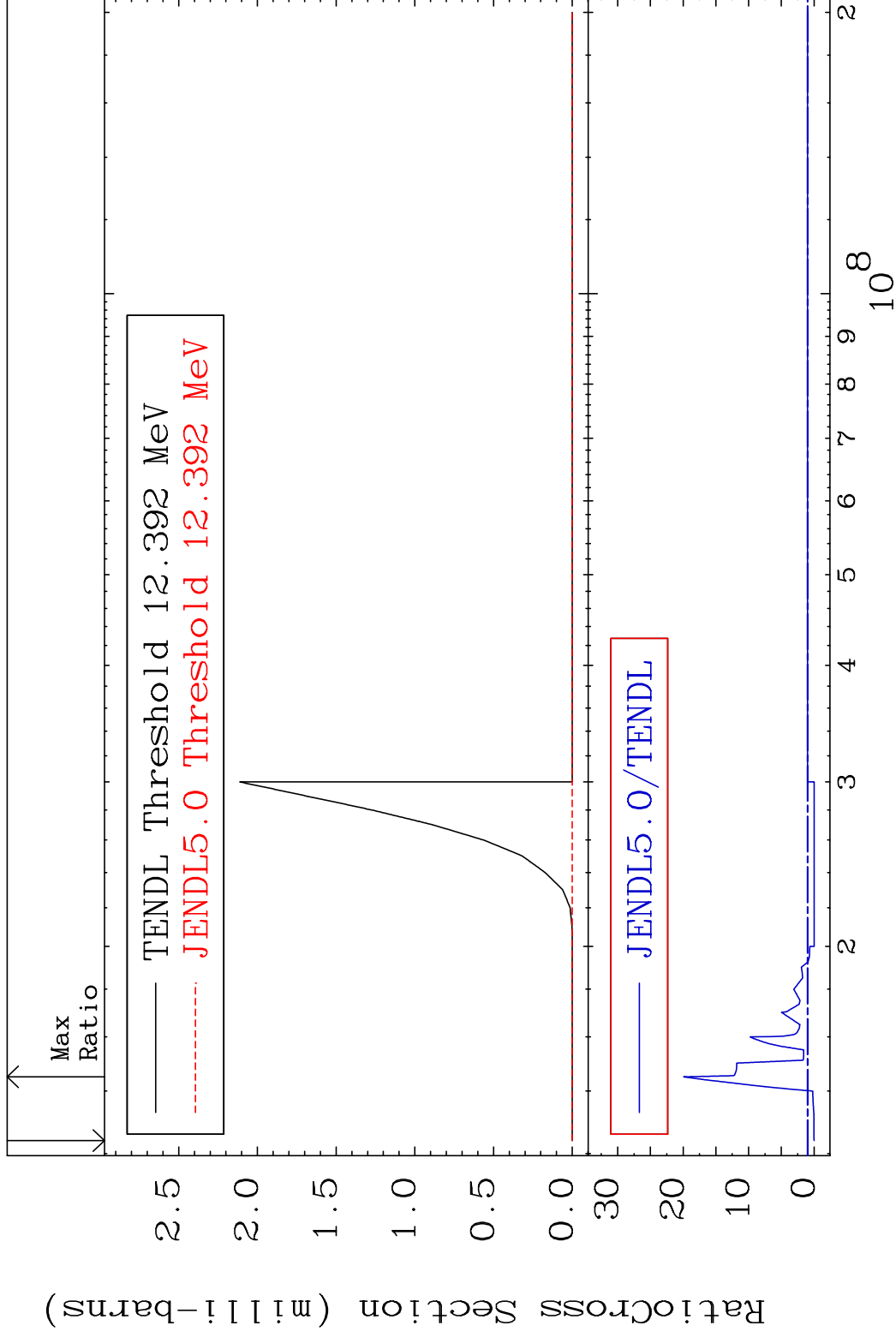


MAT 2837

(n, He-3)

28-Ni-62

Cross Section -100.0 To 1892. %

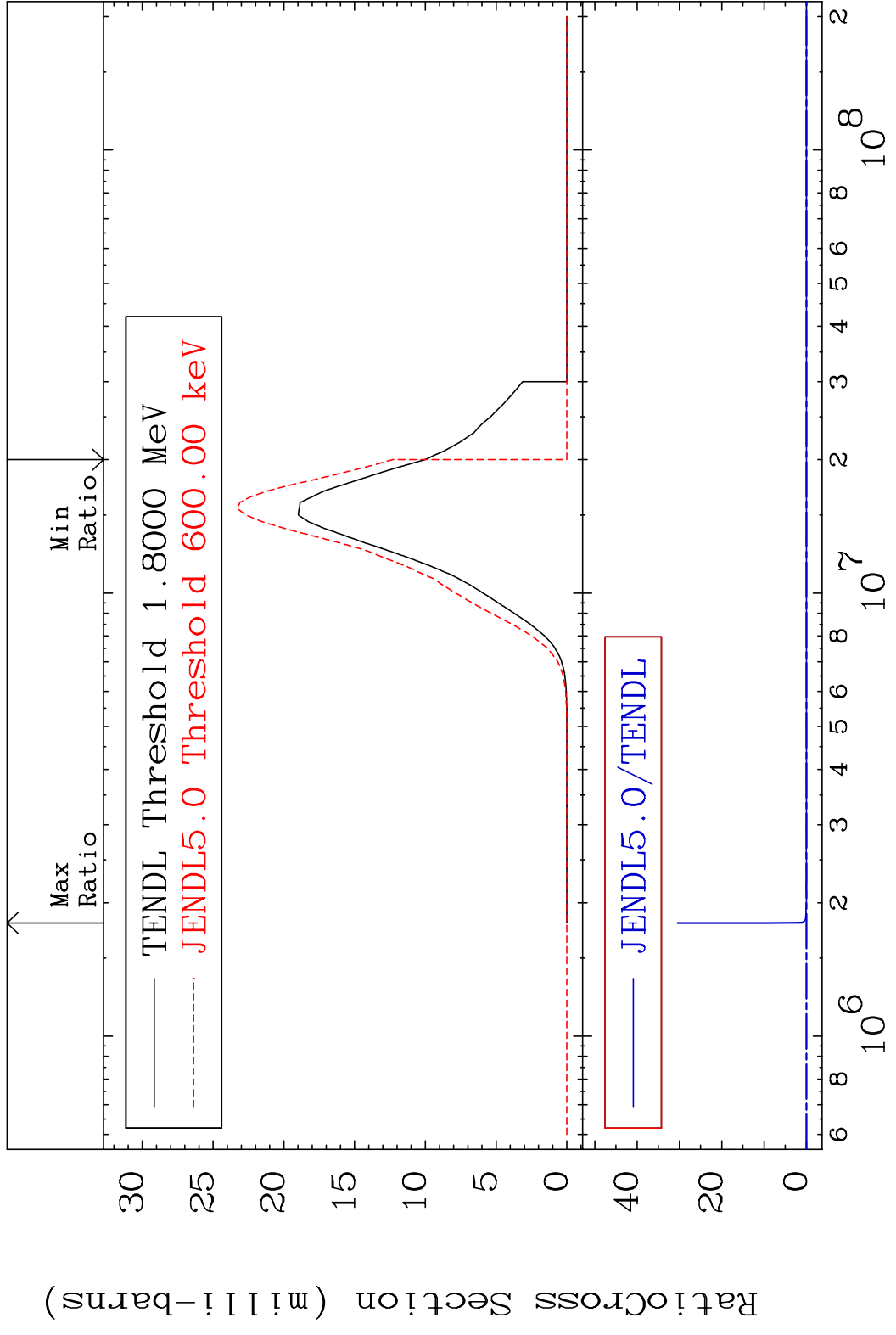


42

Incident Energy (eV)

28-Ni-62

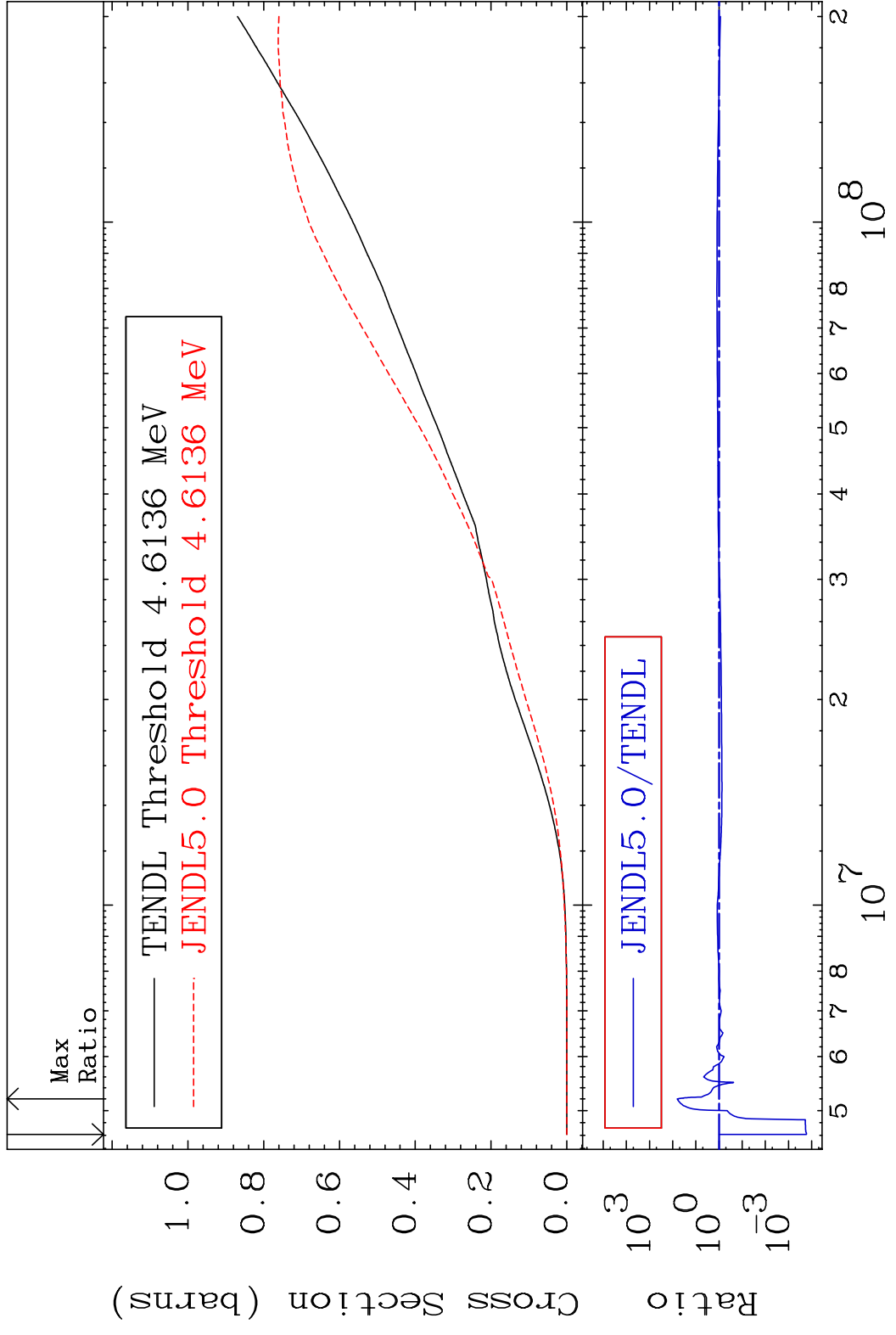
MAT 2837 (n, α) 28-Ni-62
 Cross Section -100.0 To 9999. %



MAT 2837

Hydrogen Production
Cross Section -99.98 To 6284. %

28-Ni-62

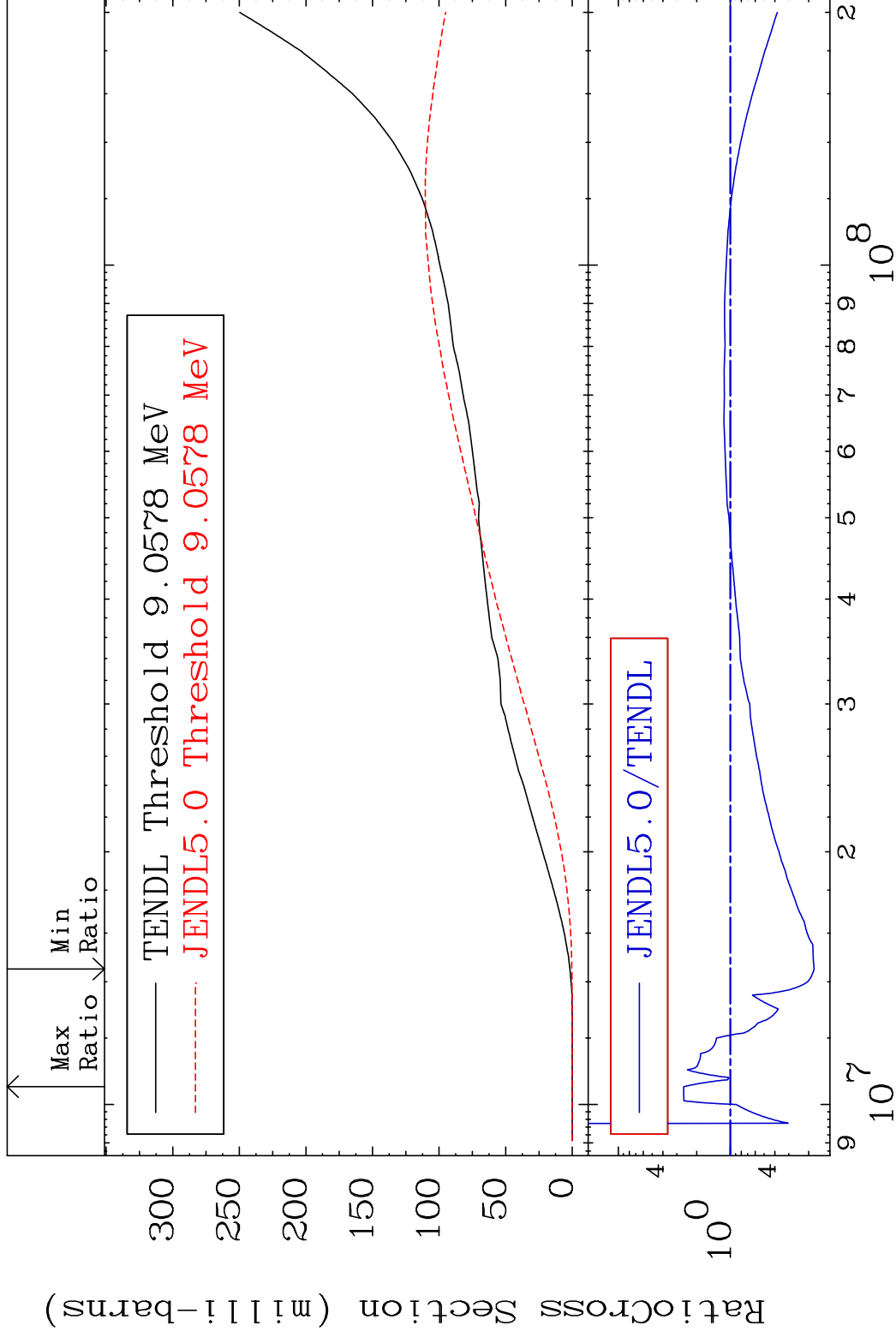


MAT 2837

Deuterium Production

²⁸Ni-62

Cross Section -82.13 To 161.1 %



45

Incident Energy (eV)

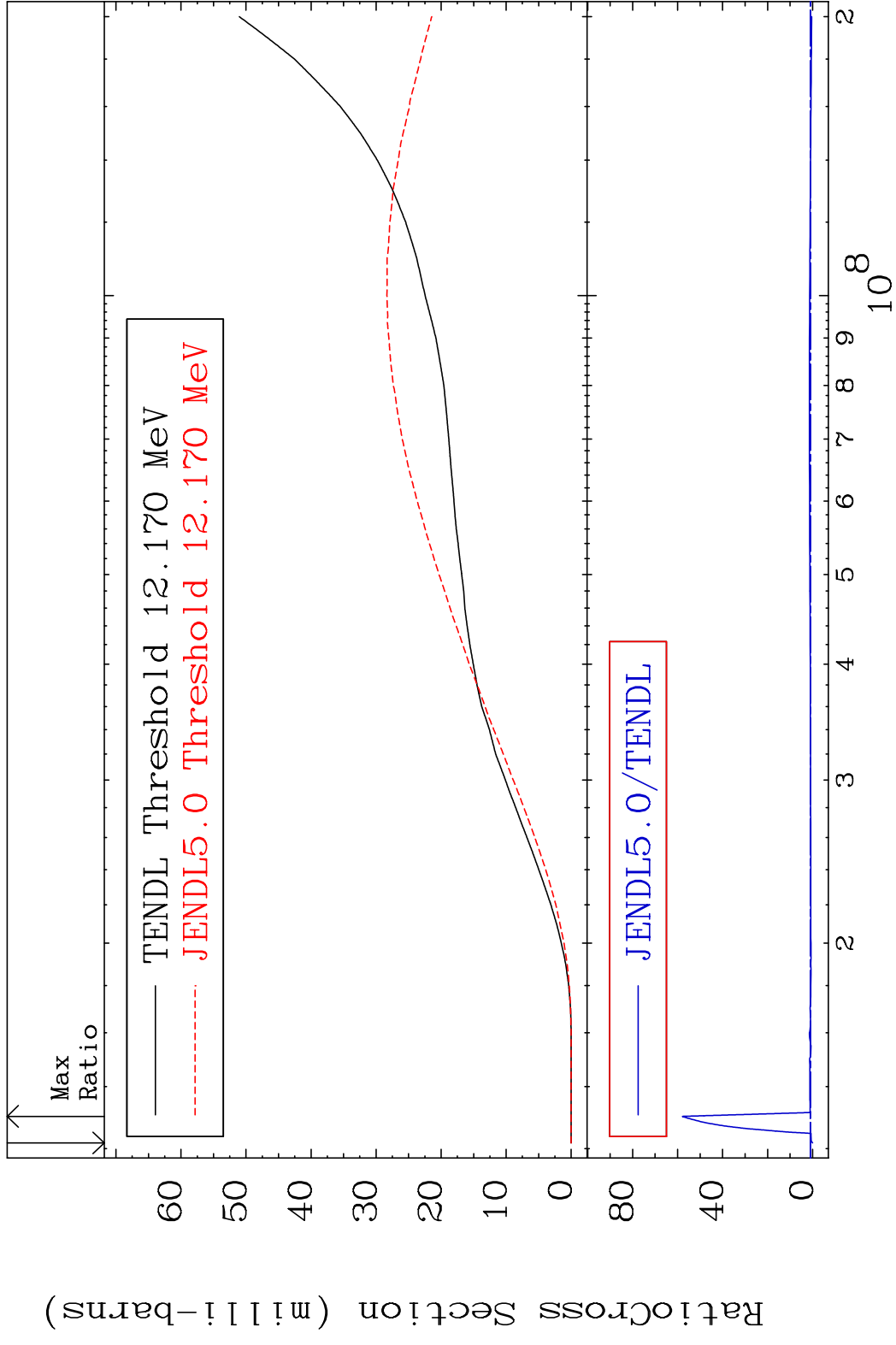
²⁸Ni-62

MAT 2837

Tritium Production

28-Ni-62

Cross Section -100.0 To 5689. %

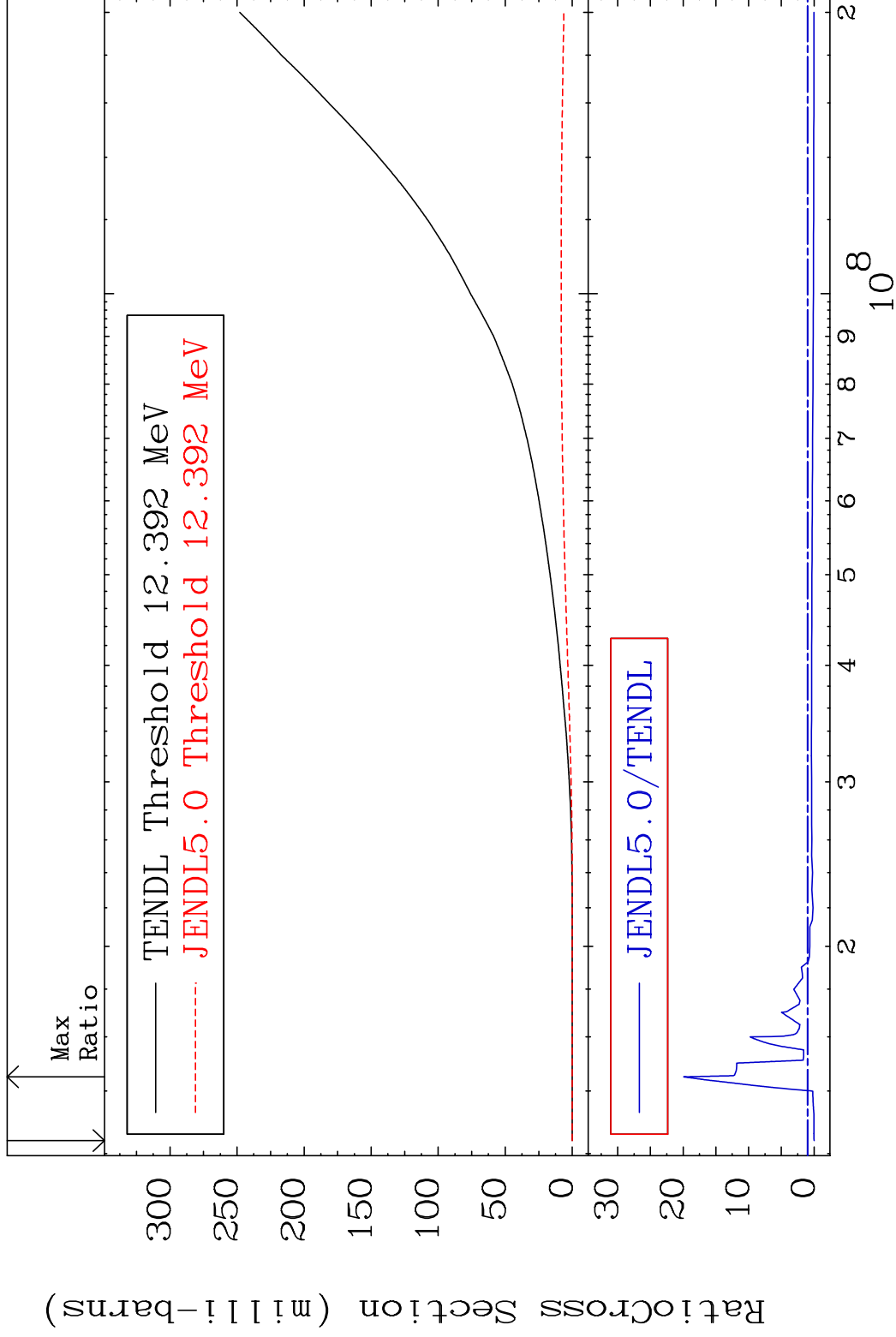


MAT 2837

He-3 Production

28-Ni-62

Cross Section -100.0 To 1892. %



47

Incident Energy (eV)

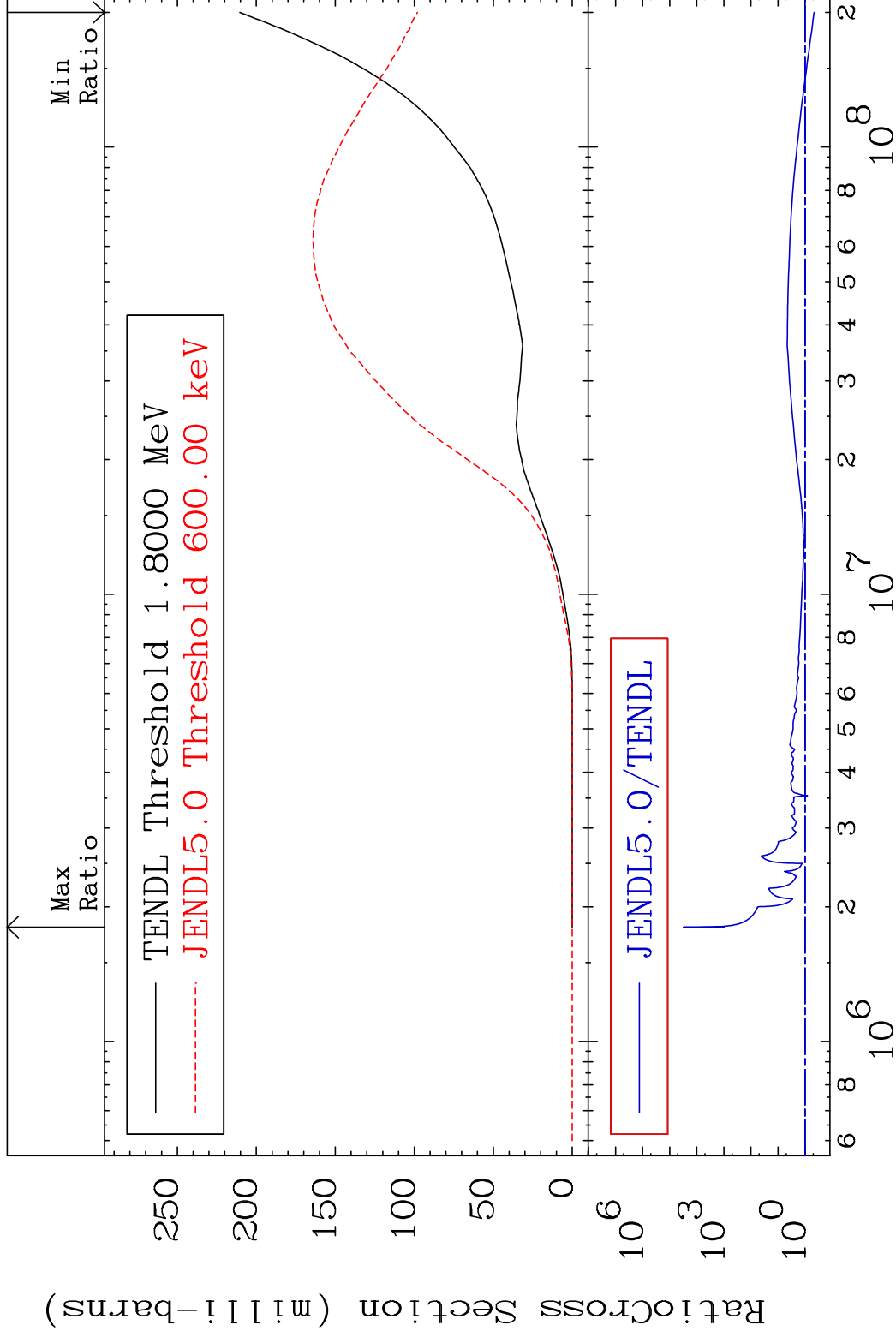
28-Ni-62

MAT 2837

He-4 Production

28-Ni-62

Cross Section -53.41 To 9999. %

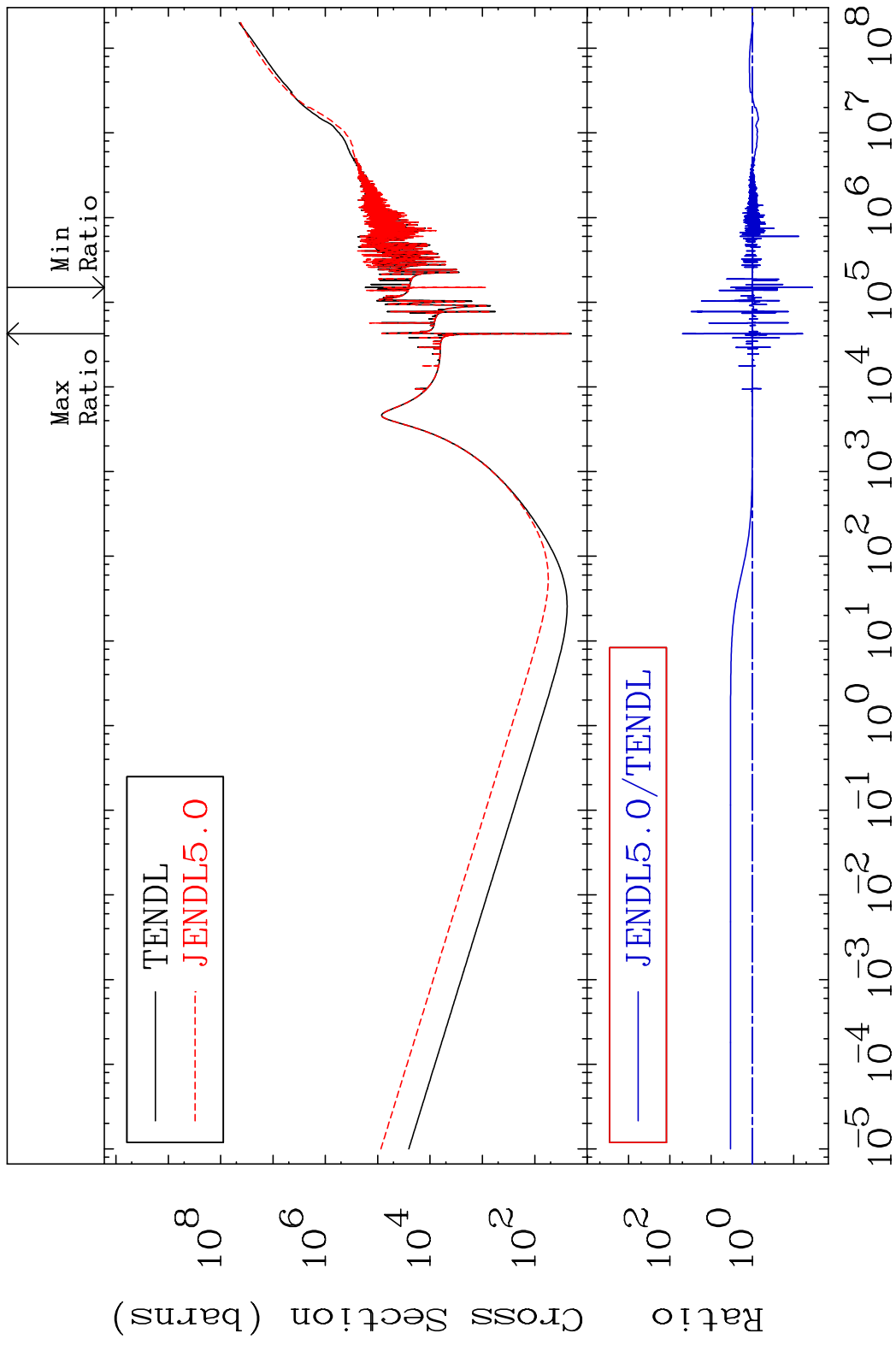


48

Incident Energy (eV)

28-Ni-62

MAT 2837 Kerma total (eV-barns) 28-Ni-62
Cross Section -96.51 To 4881. %

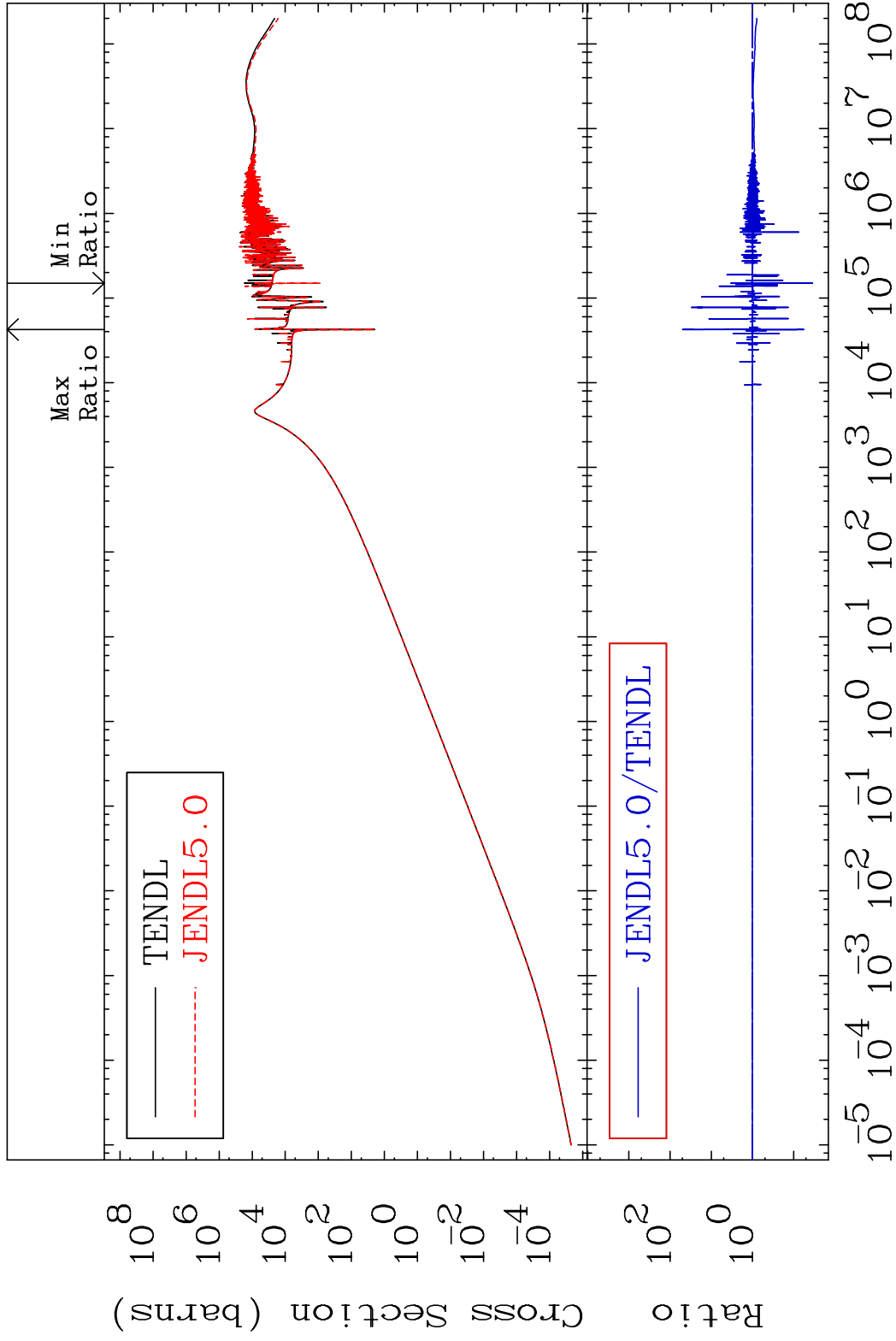


MAT 2837

Kerma elastic

28-Ni-62

Cross Section -96.52 To 4932. %

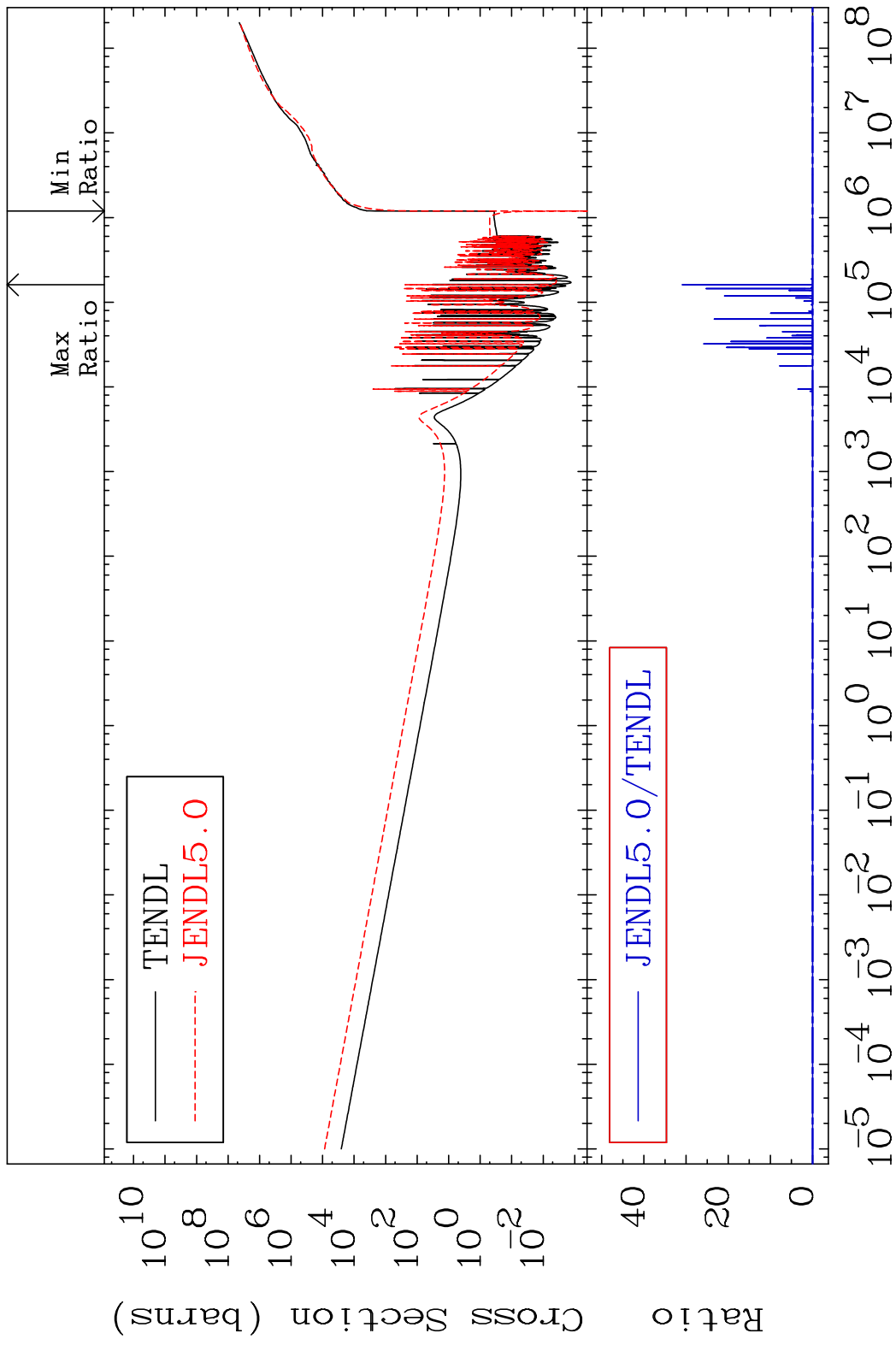


50

Incident Energy (eV)

28-Ni-62

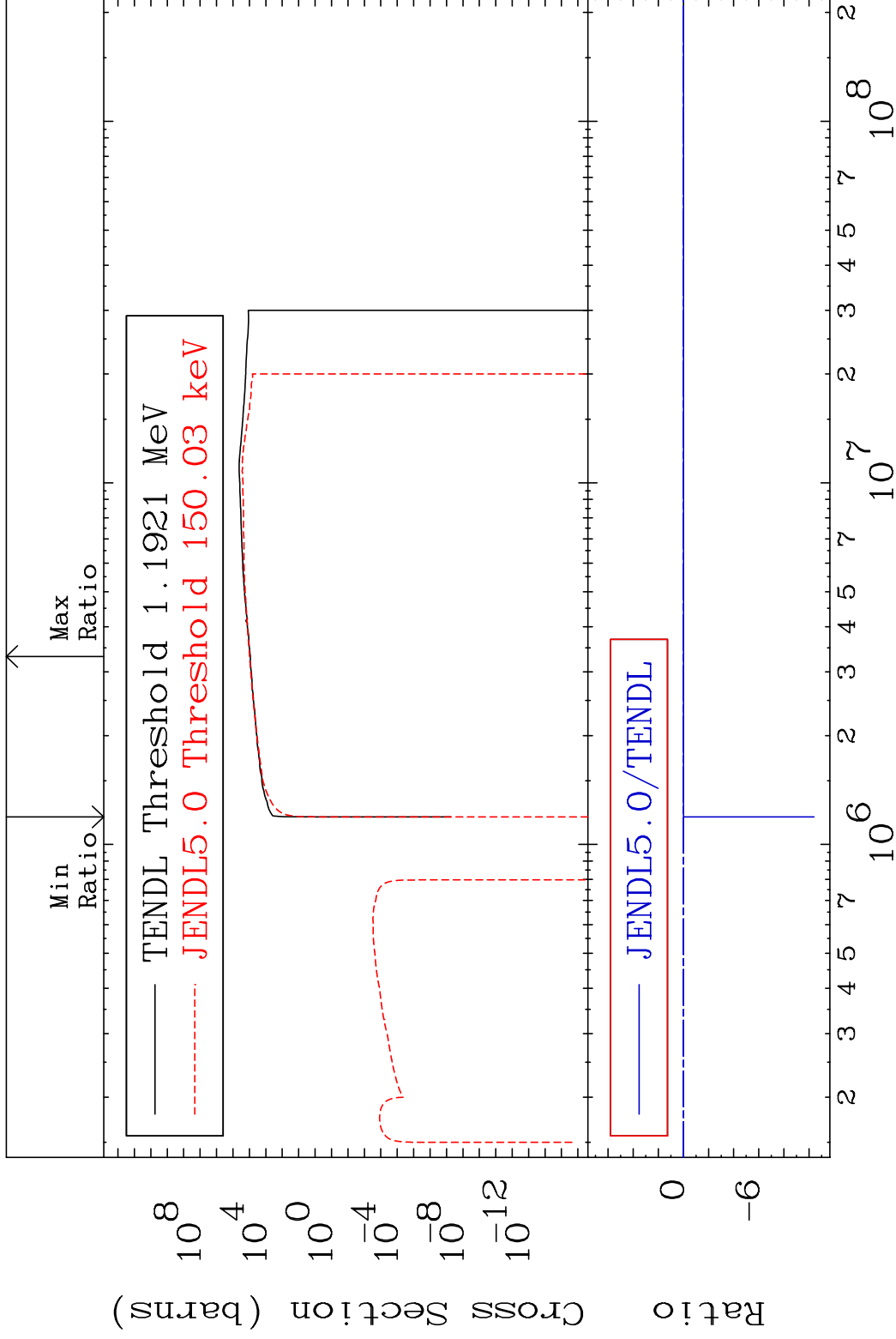
MAT 2837 Kerma non-elastic (all but mt2) 28-Ni-62
 Cross Section -100.2 To 9999. %



51 Incident Energy (eV) 28-Ni-62

MAT 2837

Kerma inelastic (mt51-91) 28-Ni-62
Cross Section -9999. To 12.86 %

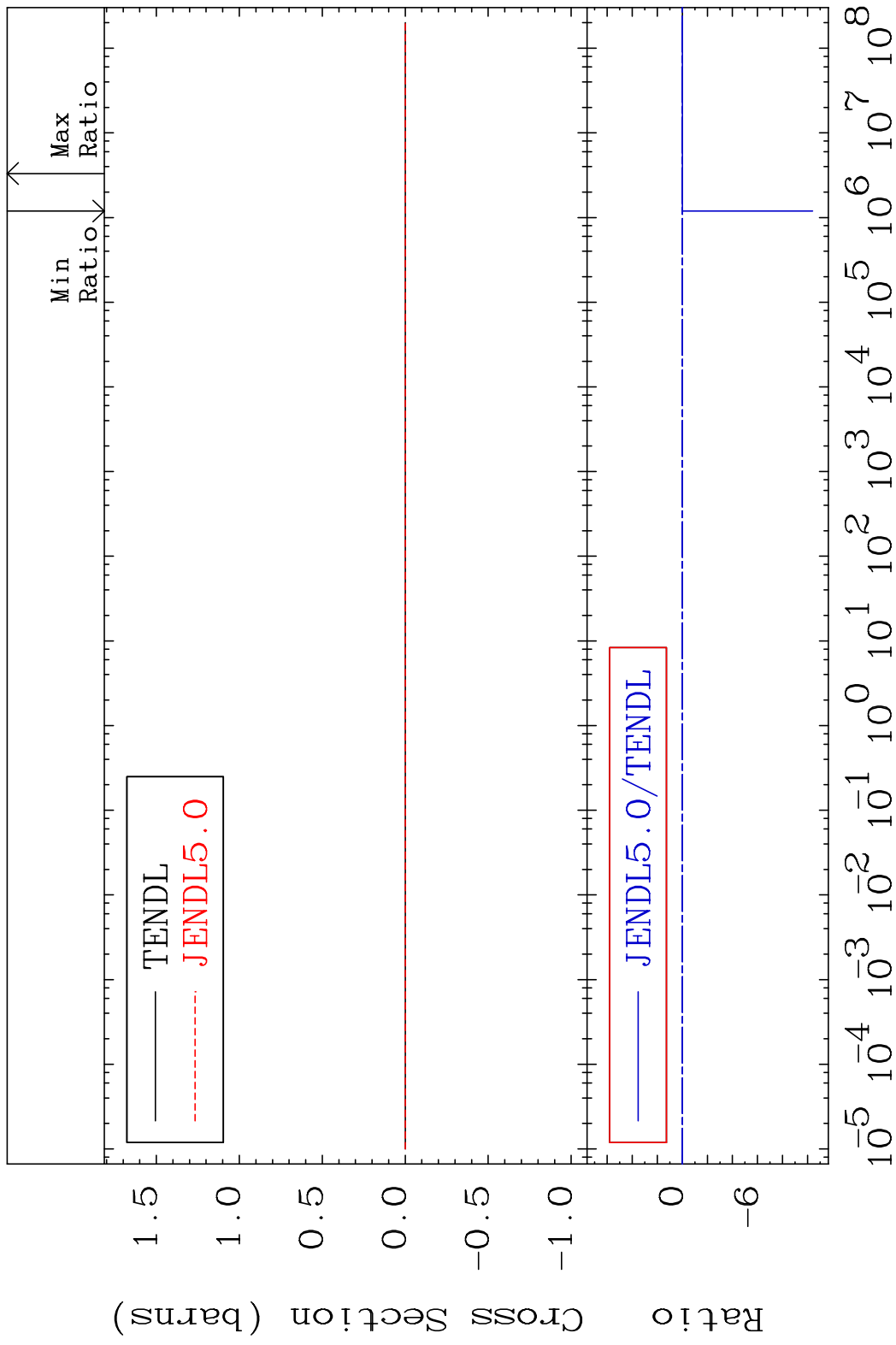


52

Incident Energy (eV)

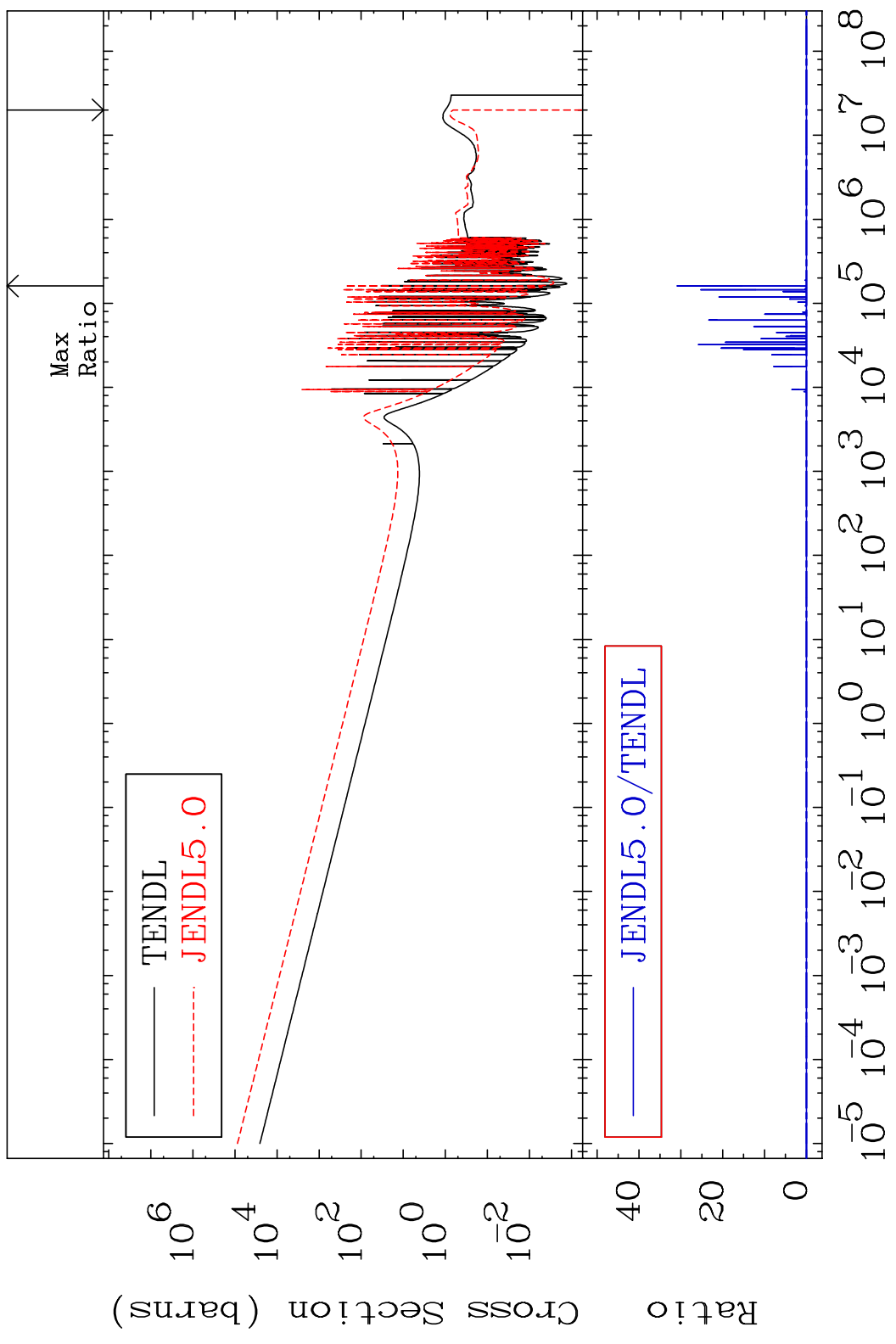
28-Ni-62

MAT 2837 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-62
 Cross Section -9999. To 12.86 %



MAT 2837

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

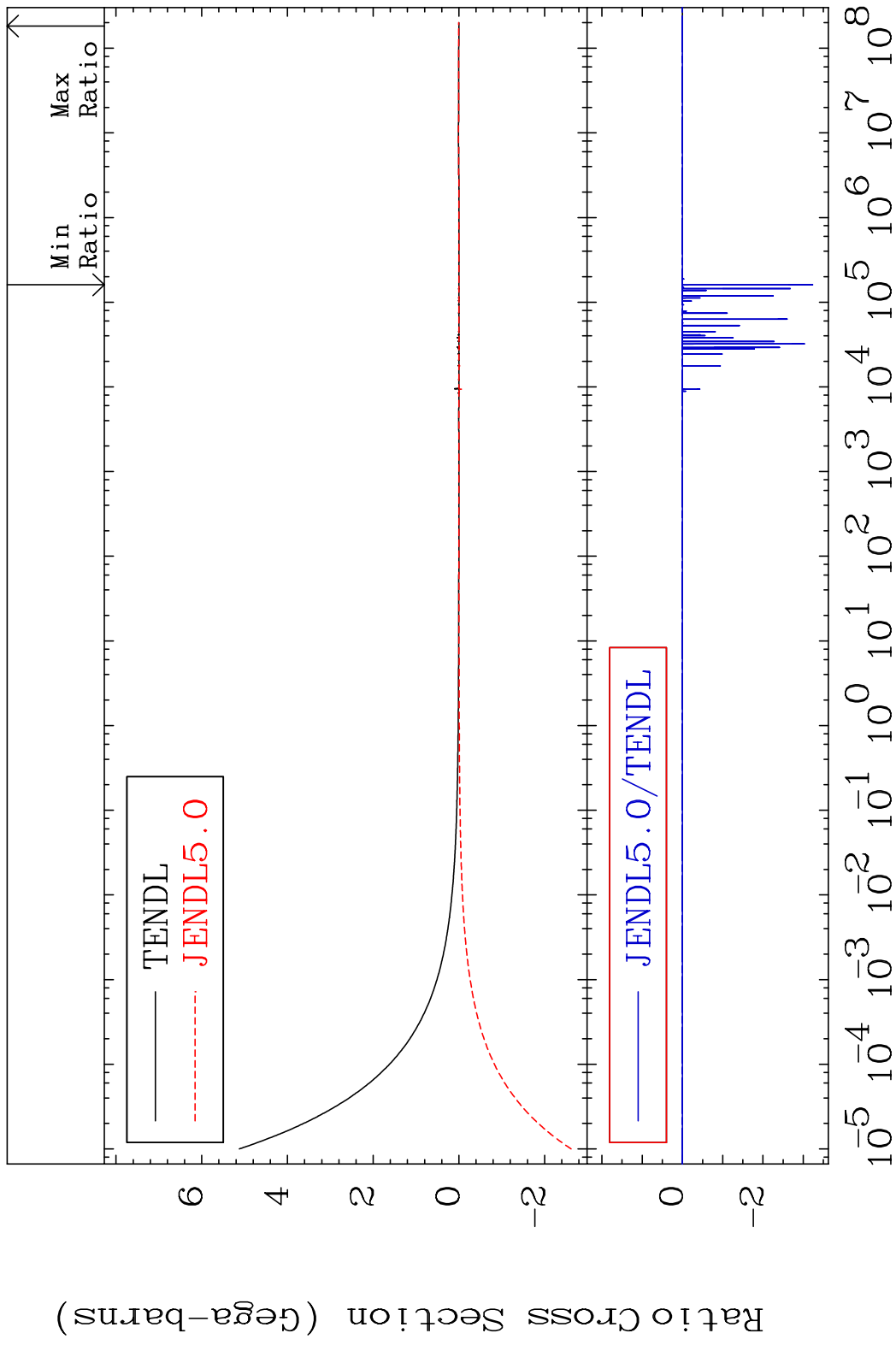


54

Incident Energy (eV)

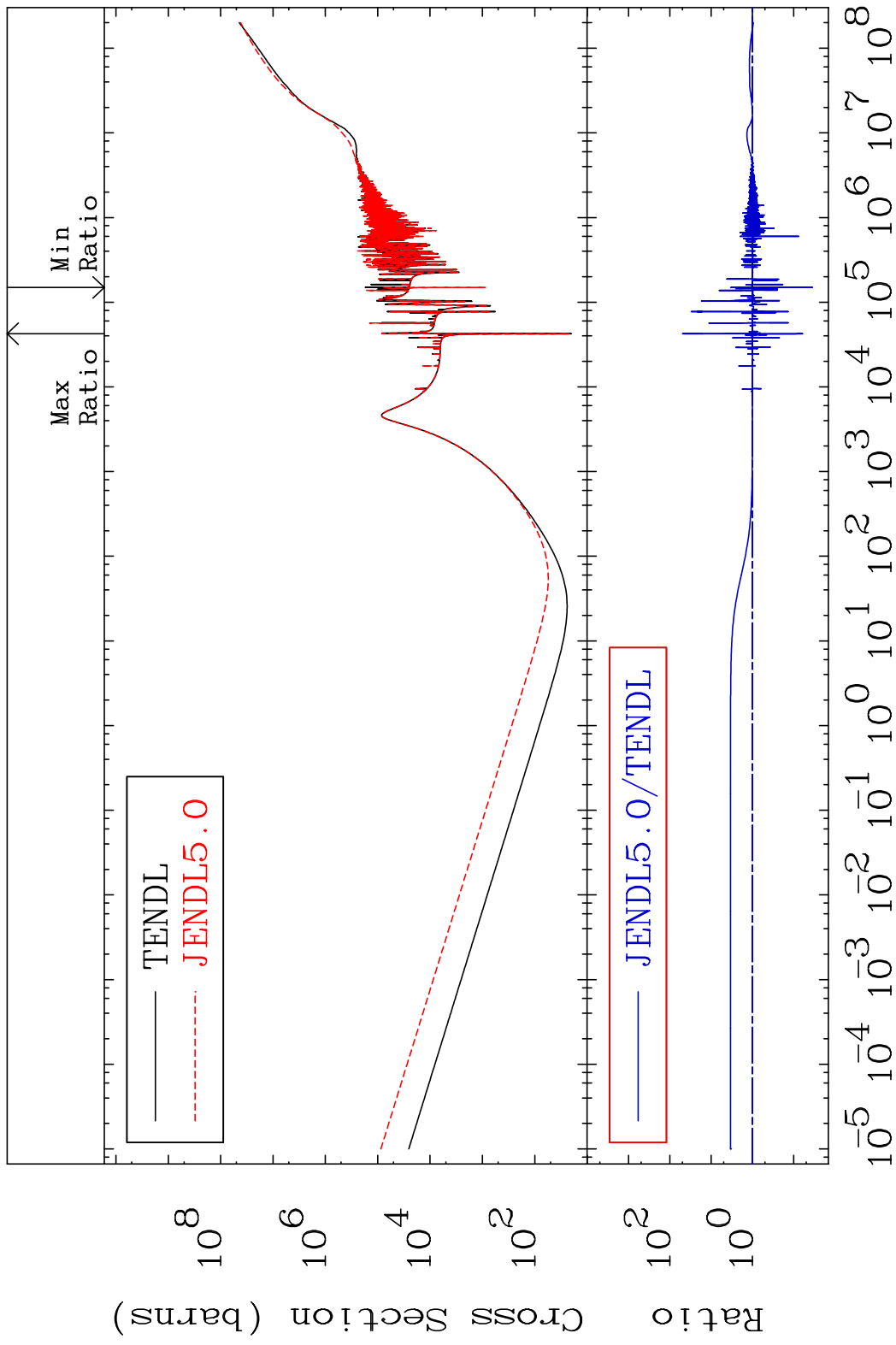
28-Ni-62

MAT 2837 Total photon (eV-barns) 28-Ni-62
Cross Section -9999. To 134.3 %

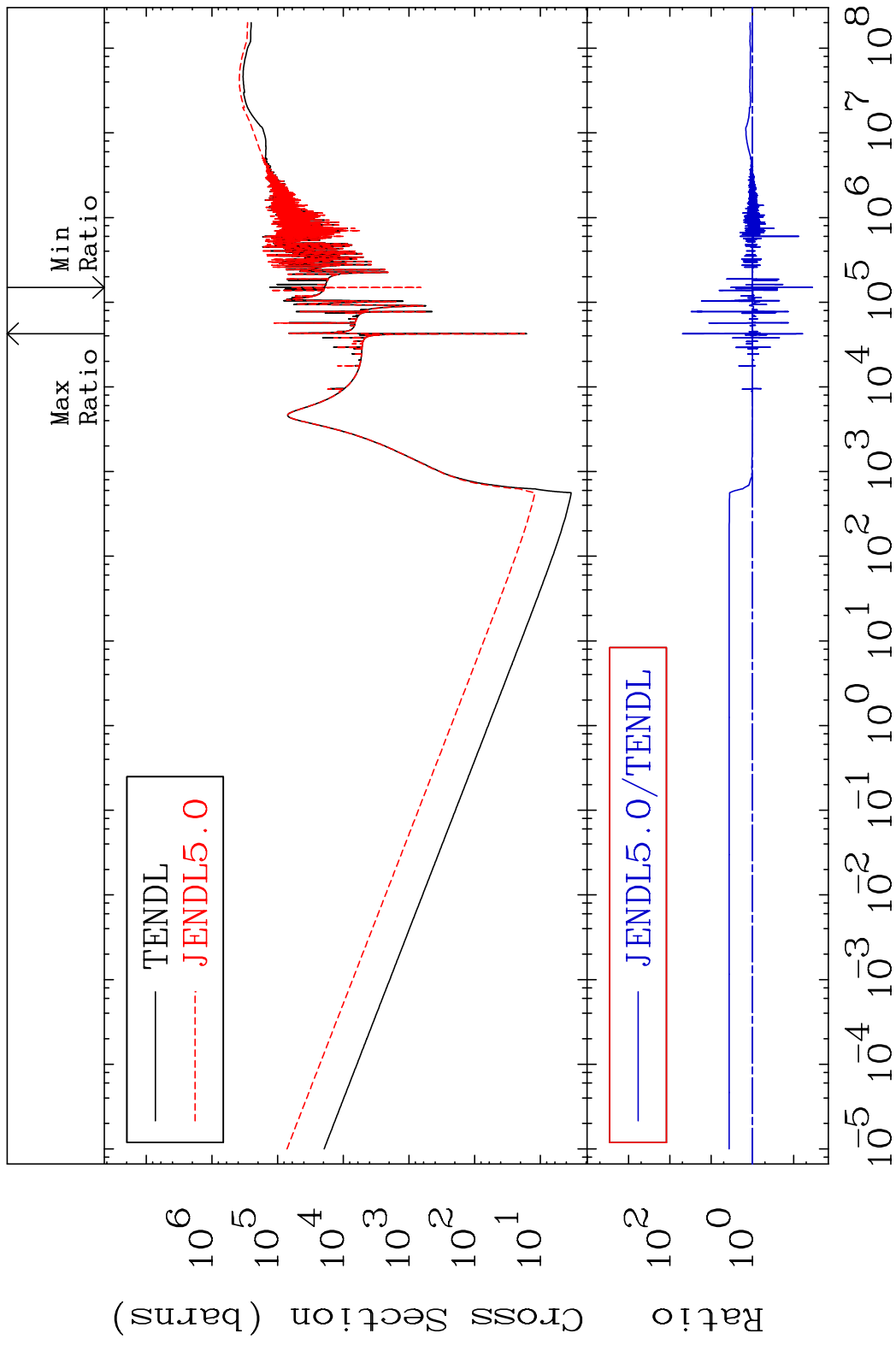


55 28-Ni-62

MAT 2837 Total kinematic kerma (high limit) 28-Ni-62
 Cross Section -96.51 To 4881. %



MAT 2837 Dpa total (eV-barns) 28-Ni-62
 Cross Section -96.51 To 4884. %



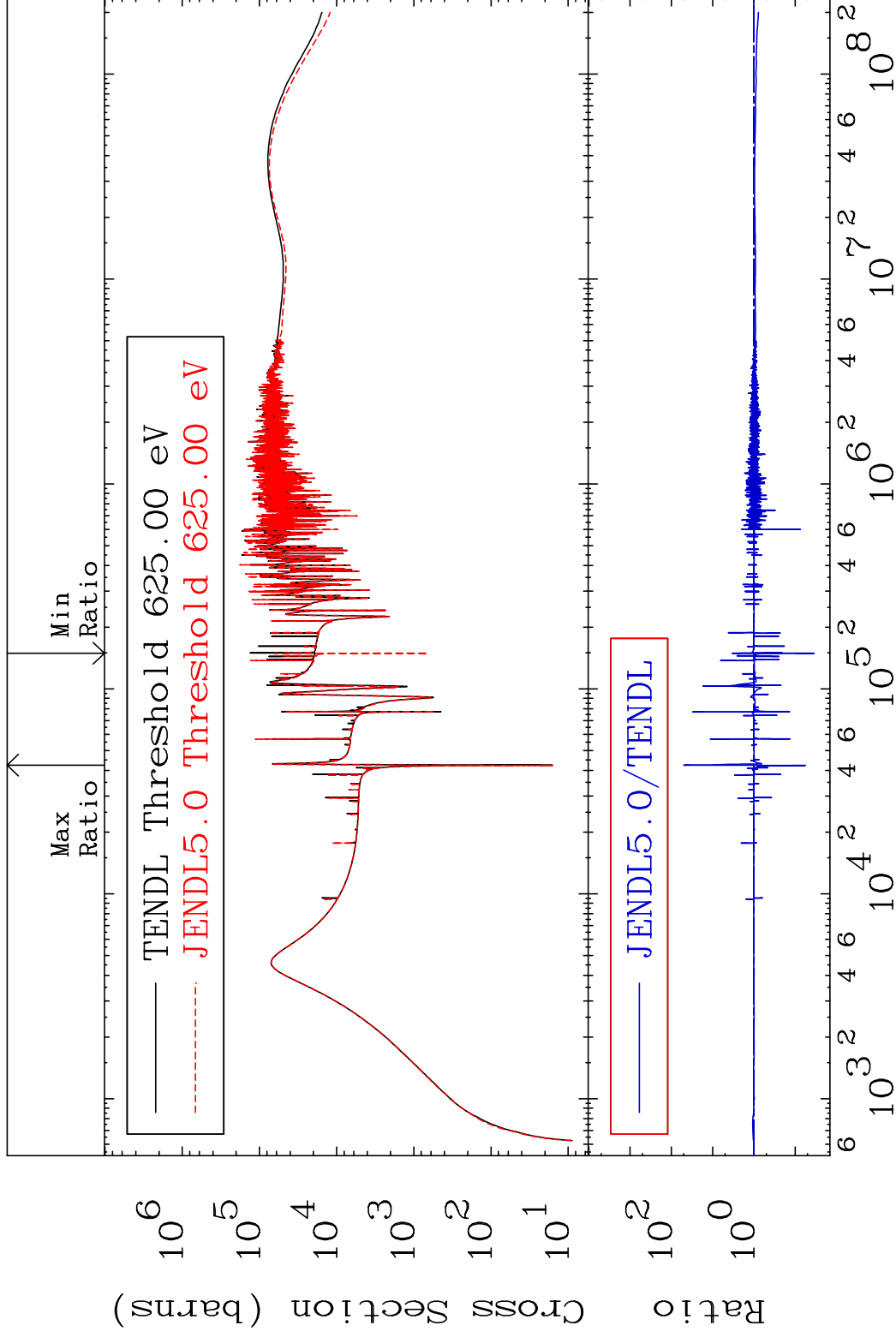
57 Incident Energy (eV) 28-Ni-62

MAT 2837

Dpa elastic (mt2)

28-Ni-62

Cross Section -96.52 To 4932. %



58

Incident Energy (eV)

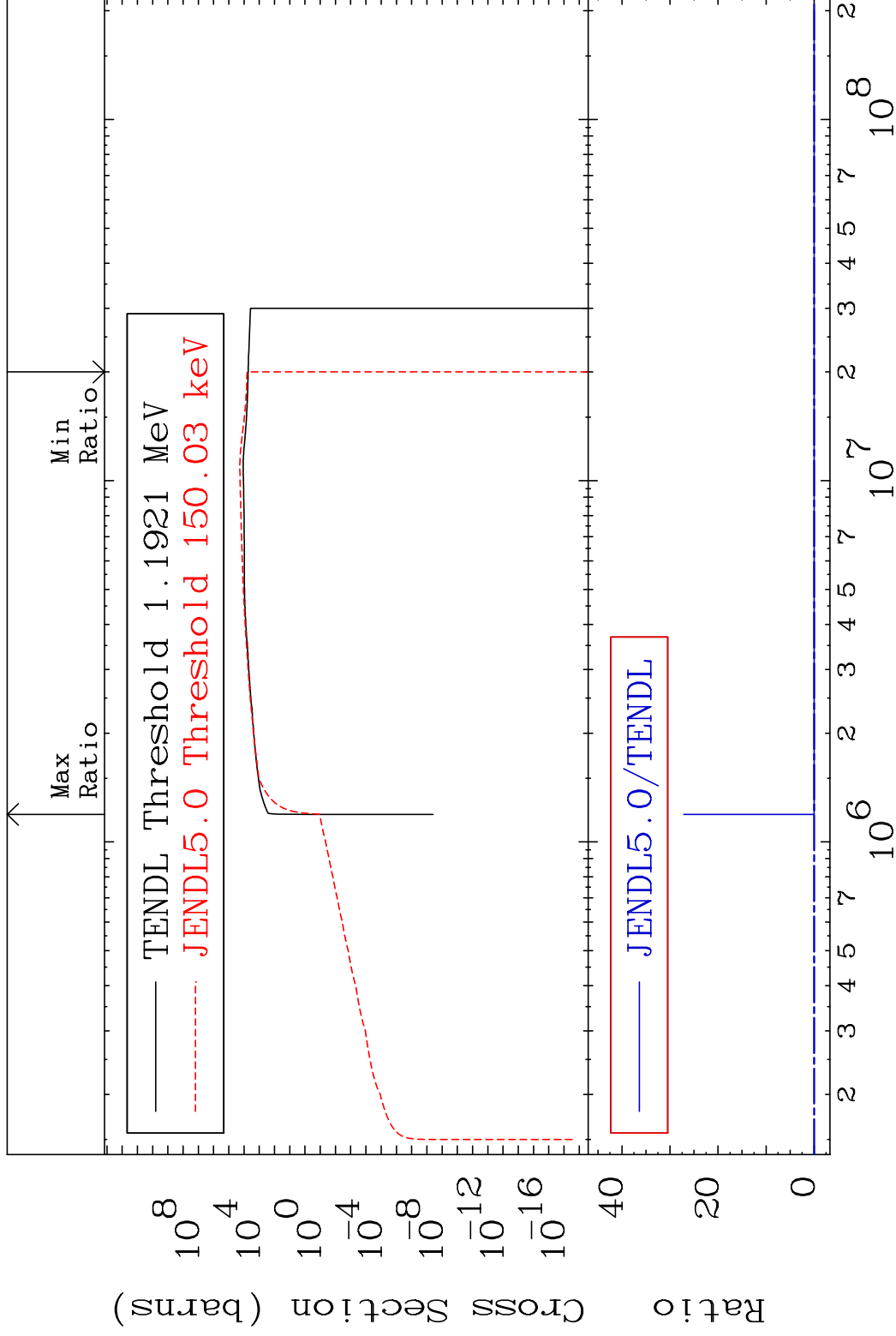
28-Ni-62

MAT 2837

Dpa inelastic (mt51-91)

28-Ni-62

Cross Section -100.0 To 9999. %

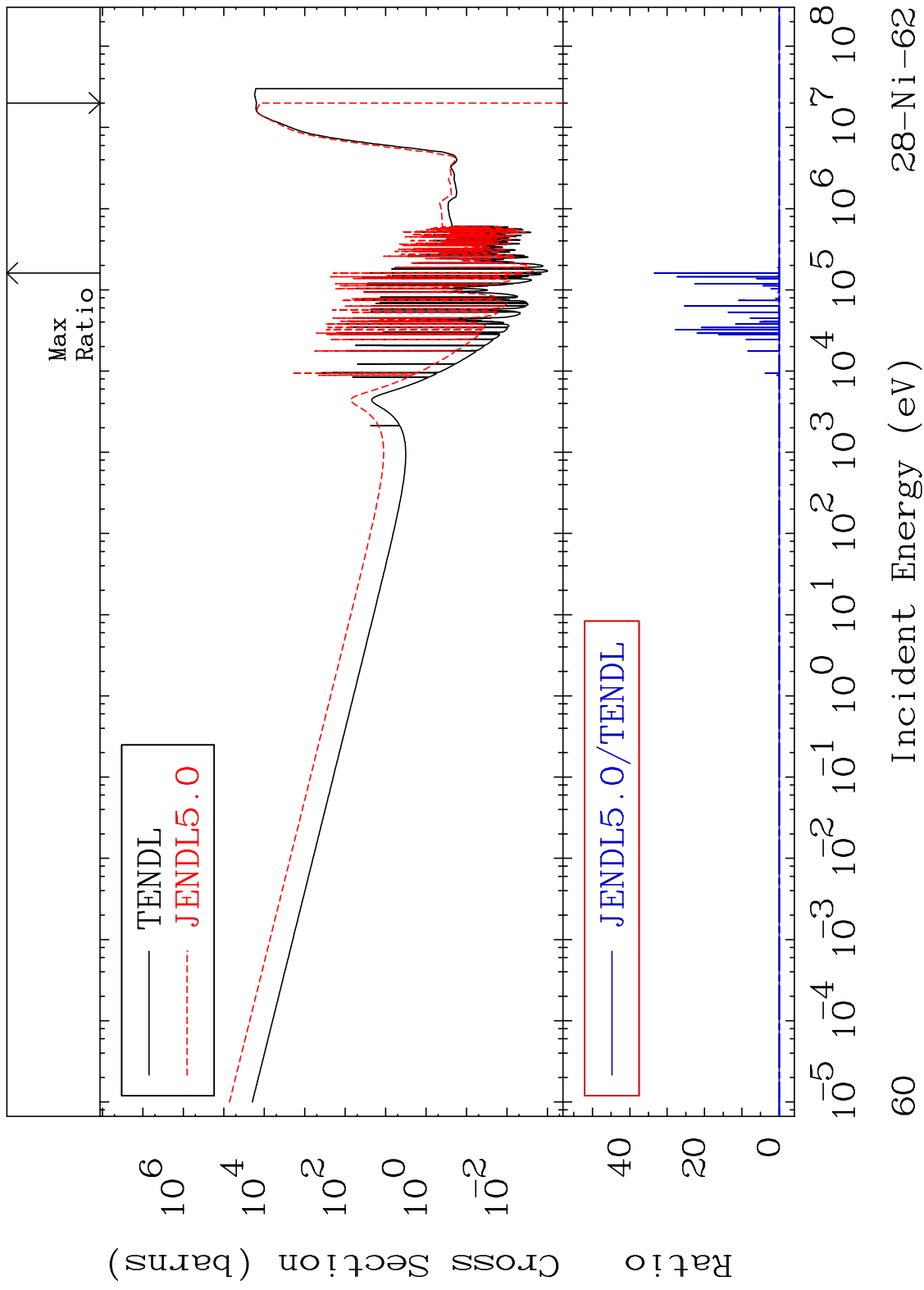


59

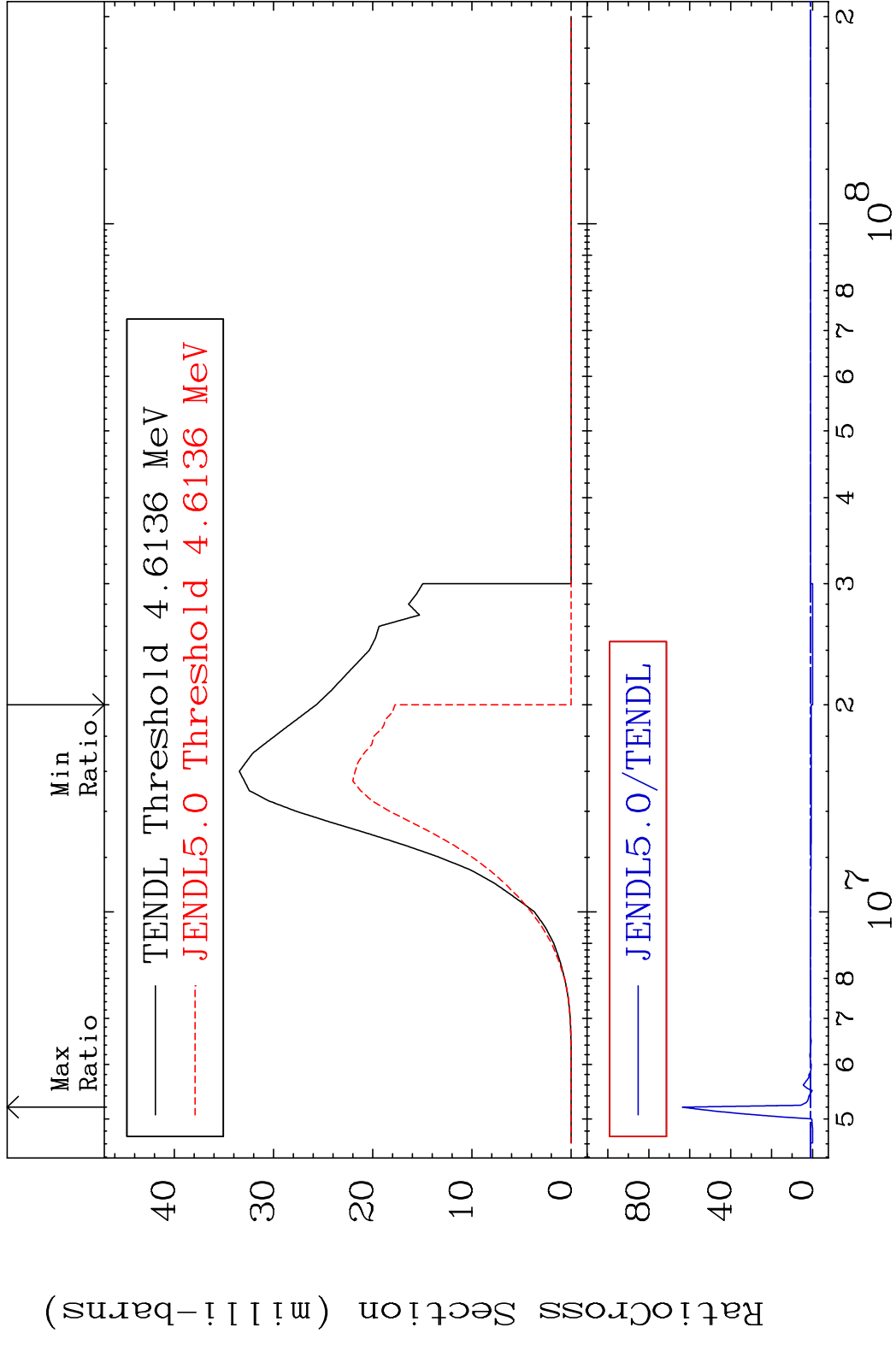
Incident Energy (eV)

28-Ni-62

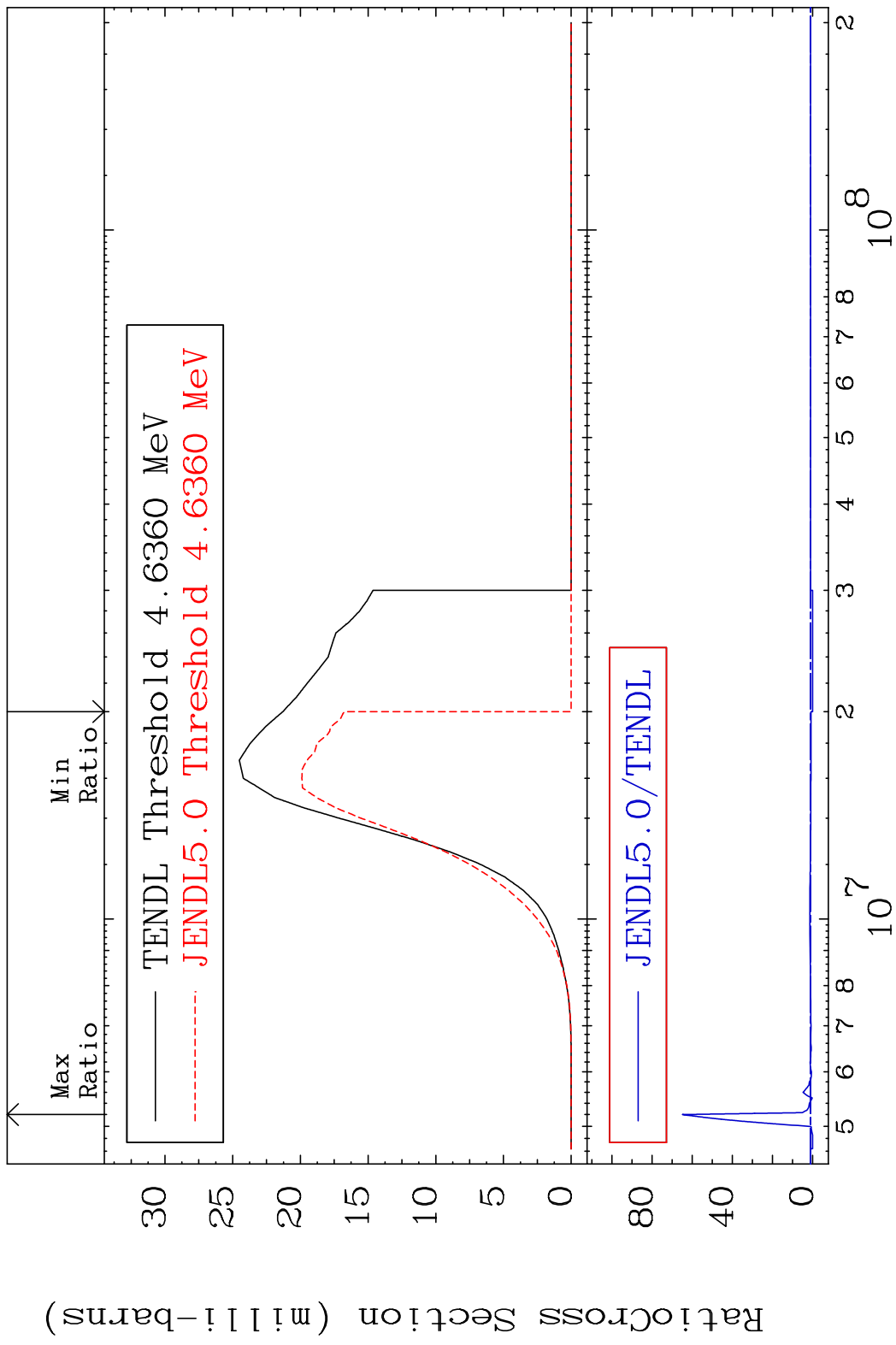
MAT 2837 Dpa disappearance (mt102 -120) 28-Ni-62
Cross Section -100.0 To 9999. %



MAT 2837 (n,p):27-Co-62g 28-Ni-62
 Radionuclide Production Cross Section 1800.0 dth 6261. %

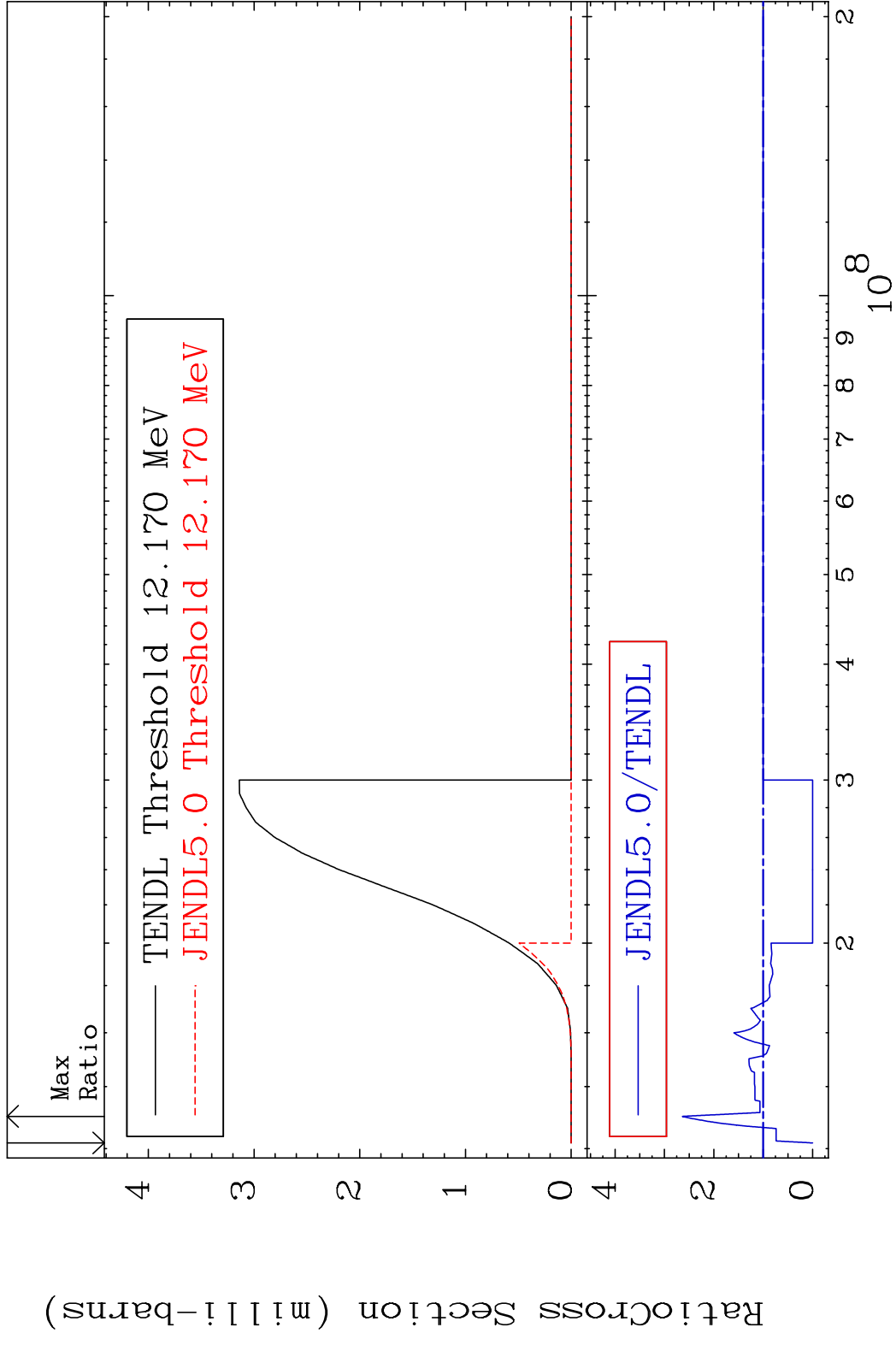


MAT 2837 (n,p):27-Co-62m1 28-Ni-62
 Radionuclide Production Cross Section Ratio

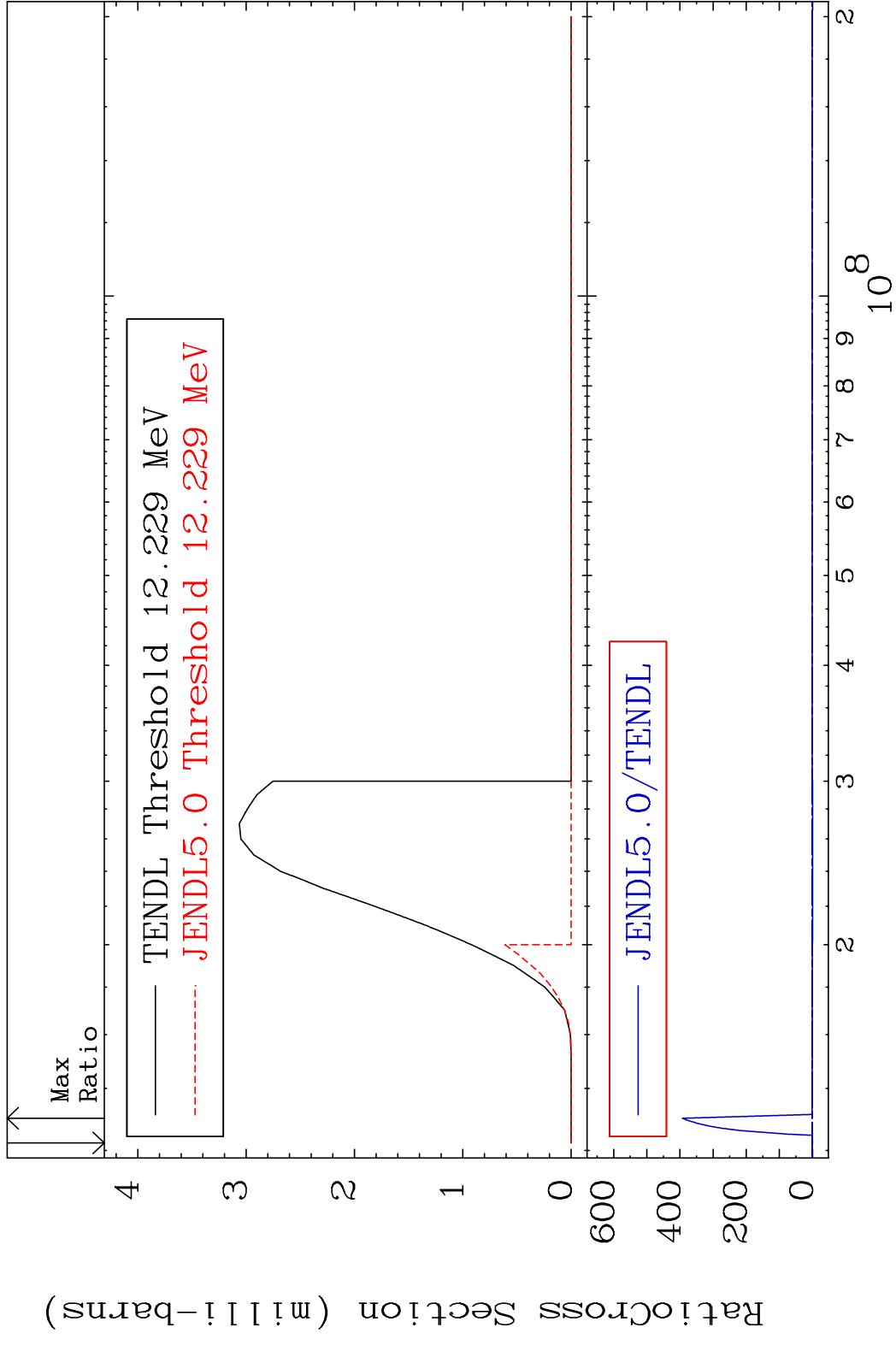


62 28-Ni-62

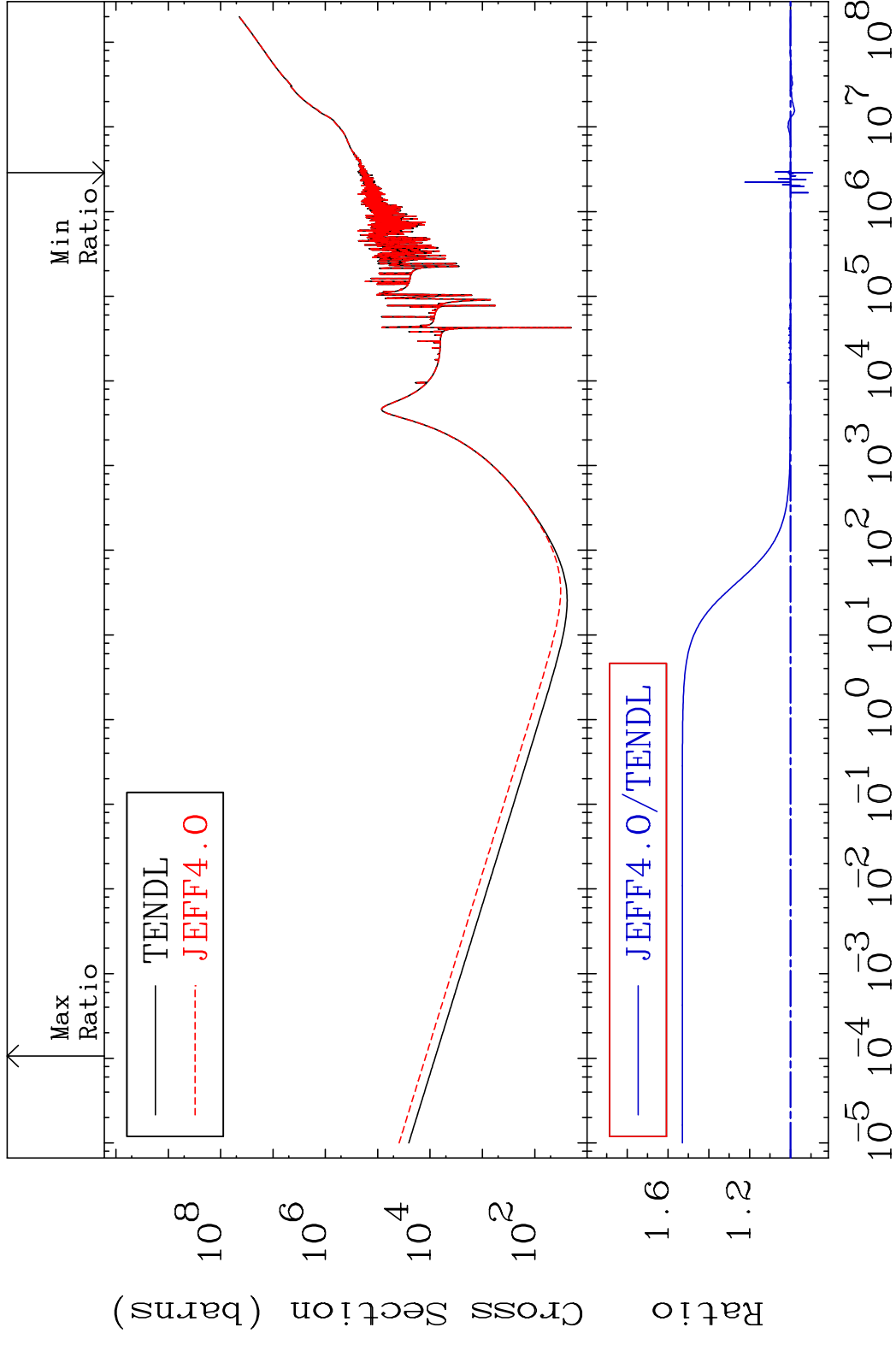
MAT 2837 (n, t):27-Co-60g 28-Ni-62
 Radionuclide Production Cross Section 180.0 mb 163.7 %



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 -10.81 To 52.95 %



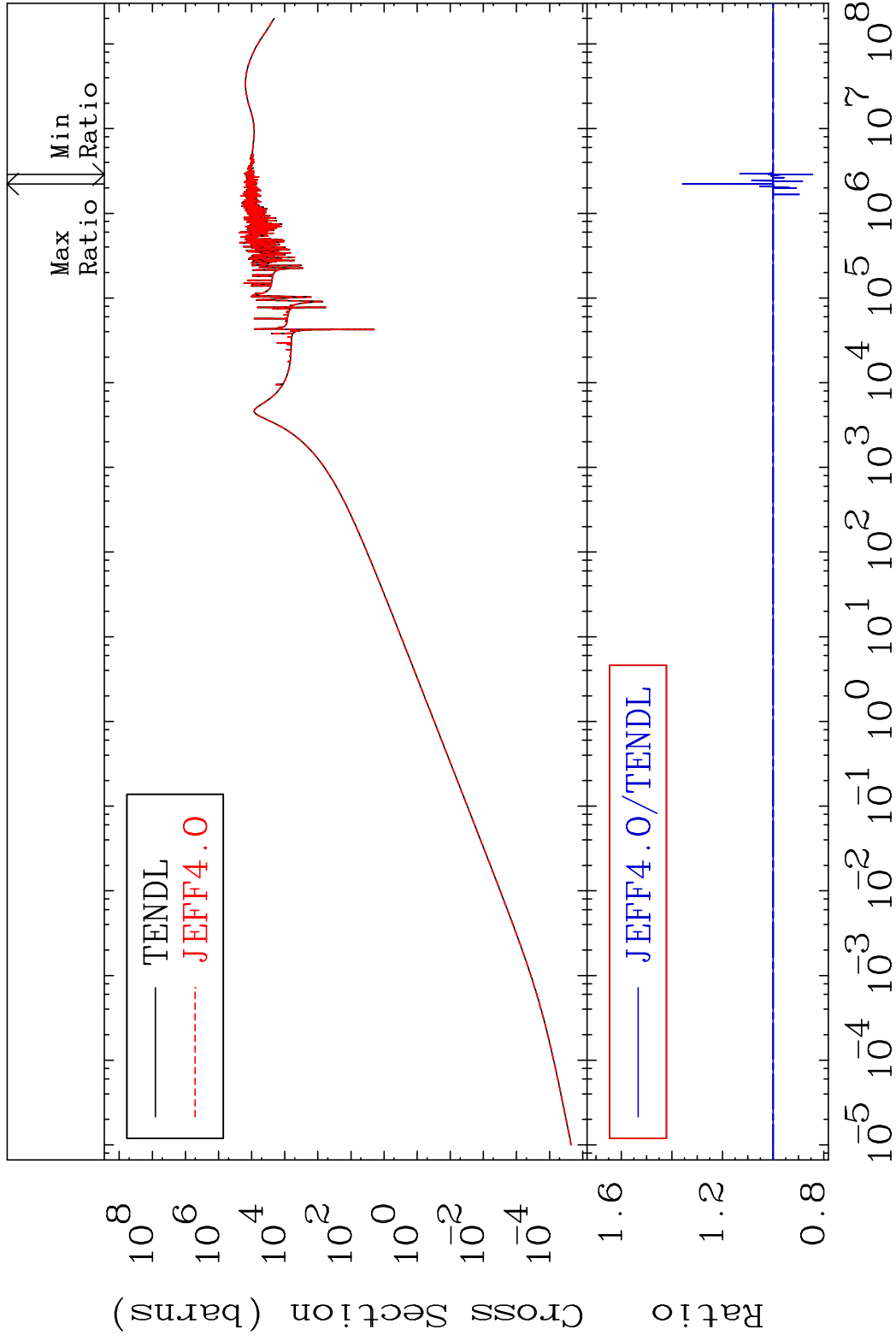
65 Incident Energy (eV) 28-Ni-62

MAT 2837

Kerma elastic

28-Ni-62

Cross Section -15.60 To 35.86 %

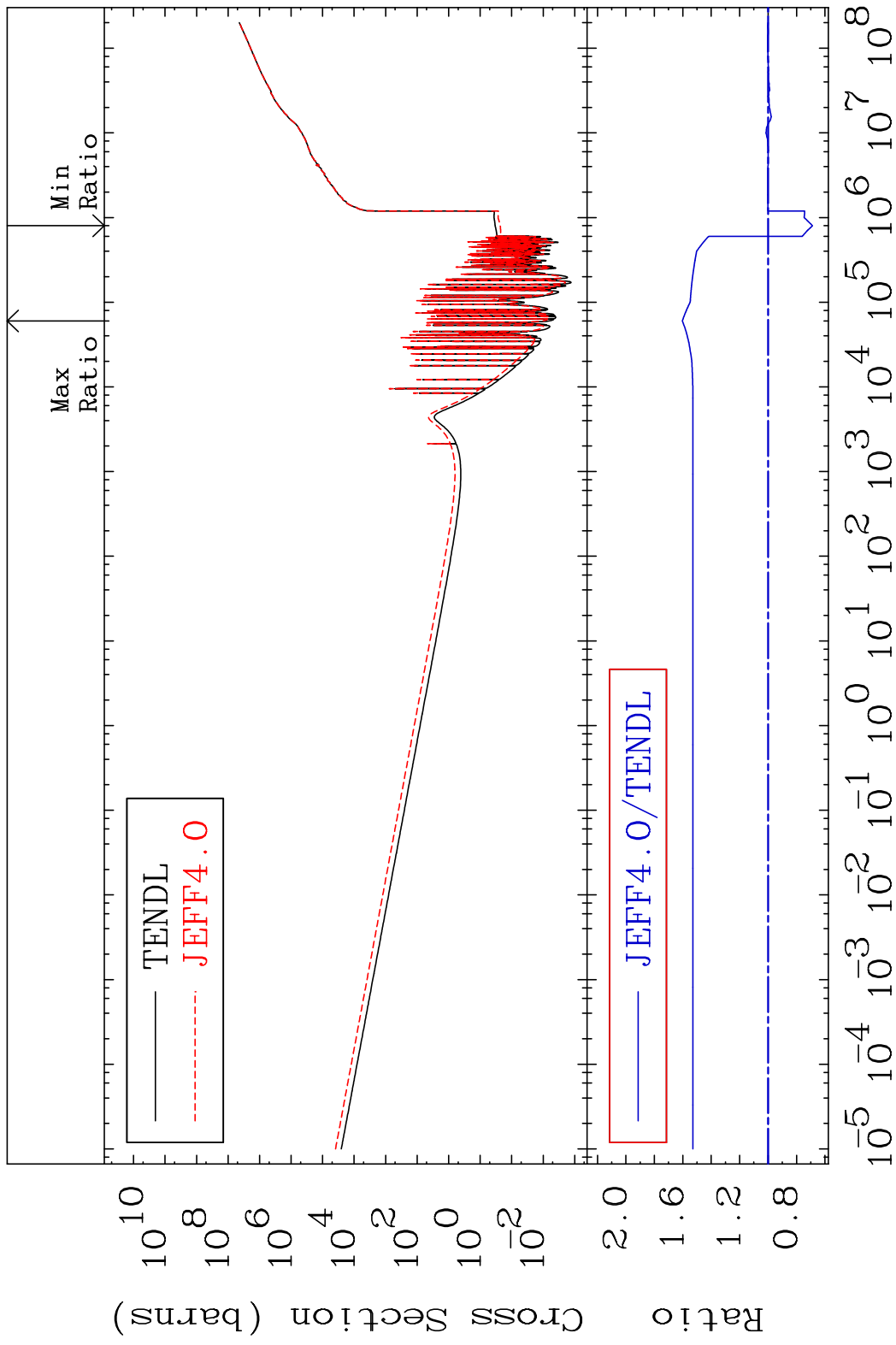


66

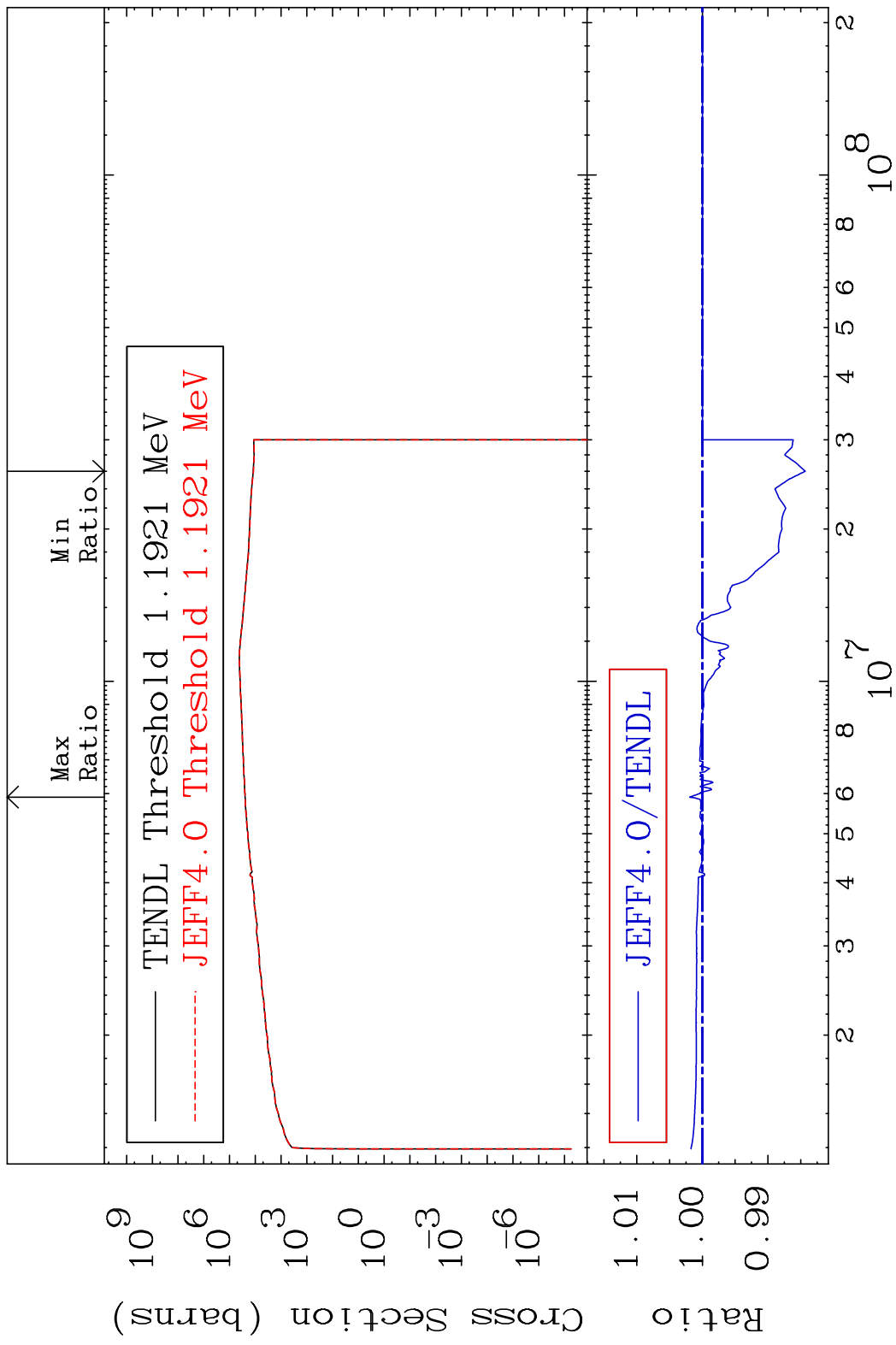
Incident Energy (eV)

28-Ni-62

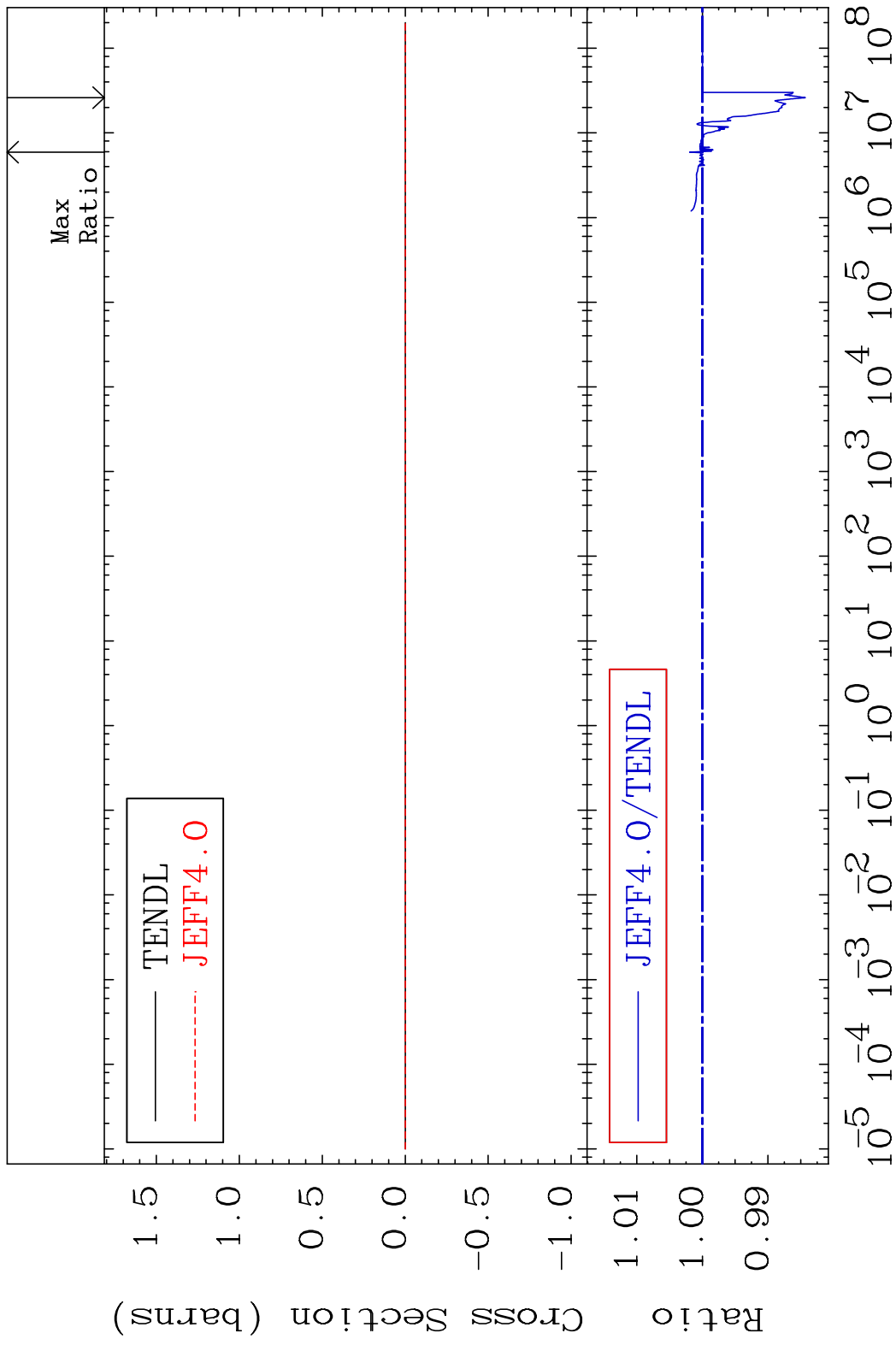
MAT 2837 Kerma non-elastic (all but mt2) 28-Ni-62
 Cross Section -31.27 To 60.30 %



MAT 2837 Kerma inelastic (mt51-91) 28-Ni-62
 Cross Section -1.570 To 0.194 %

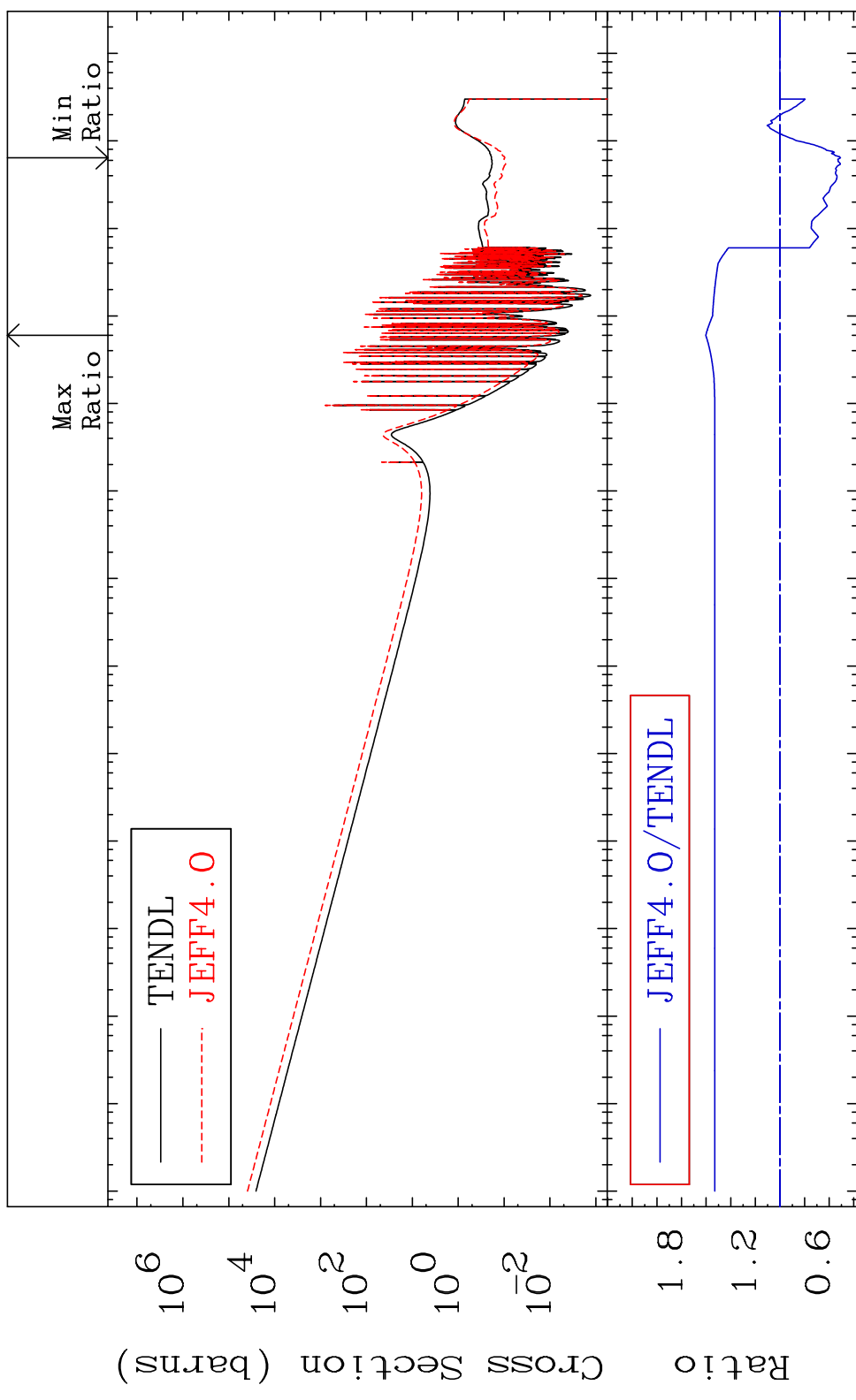


MAT 2837 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-62
 Cross Section -1.570 To 0.194 %



MAT 2837

Kerma capture (mt102) 28-Ni-62
Cross Section -49.14 To 60.30 %



70

Incident Energy (eV)

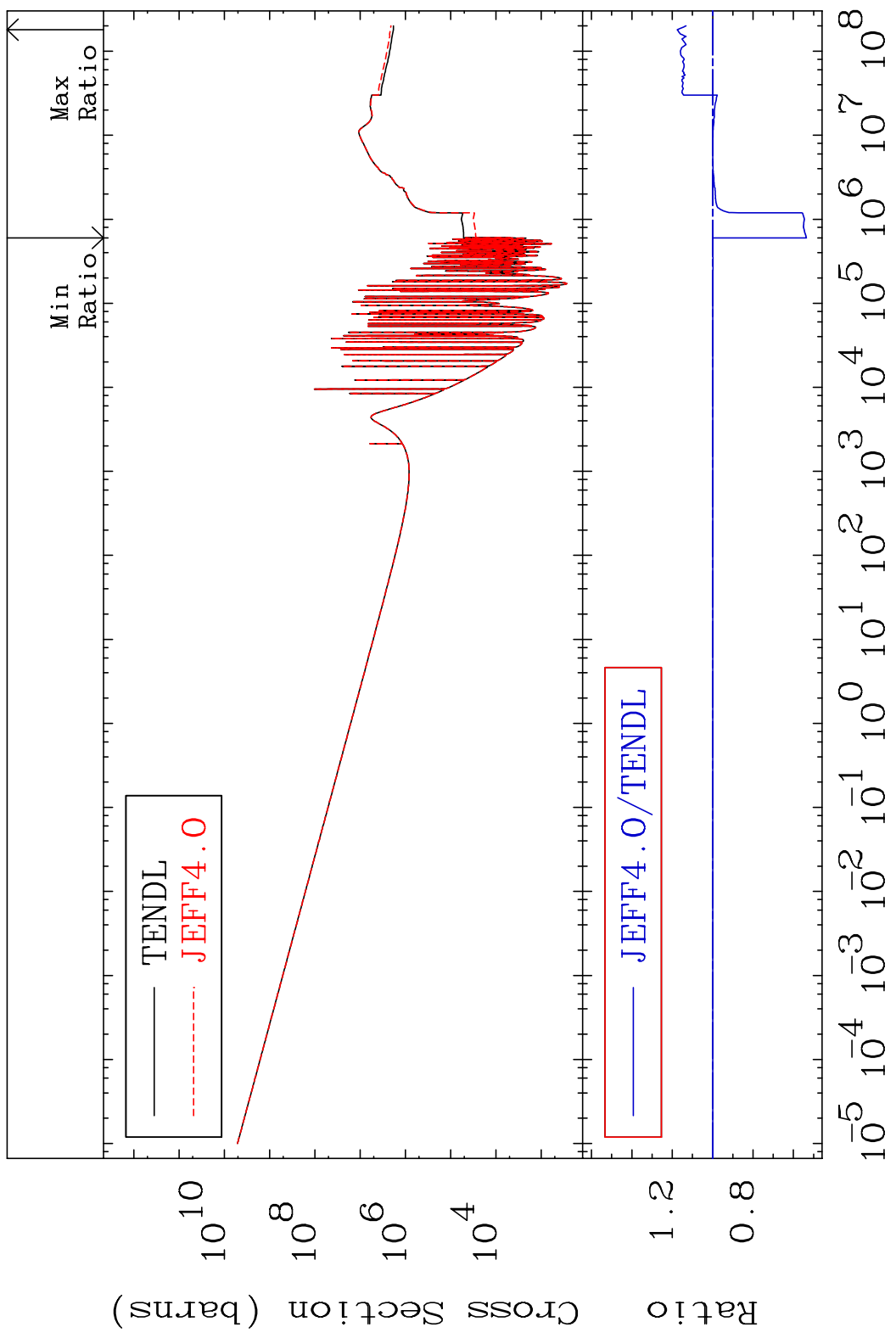
28-Ni-62

MAT 2837

Total photon (eV-barns)

28-Ni-62

Cross Section -46.42 To 17.56 %

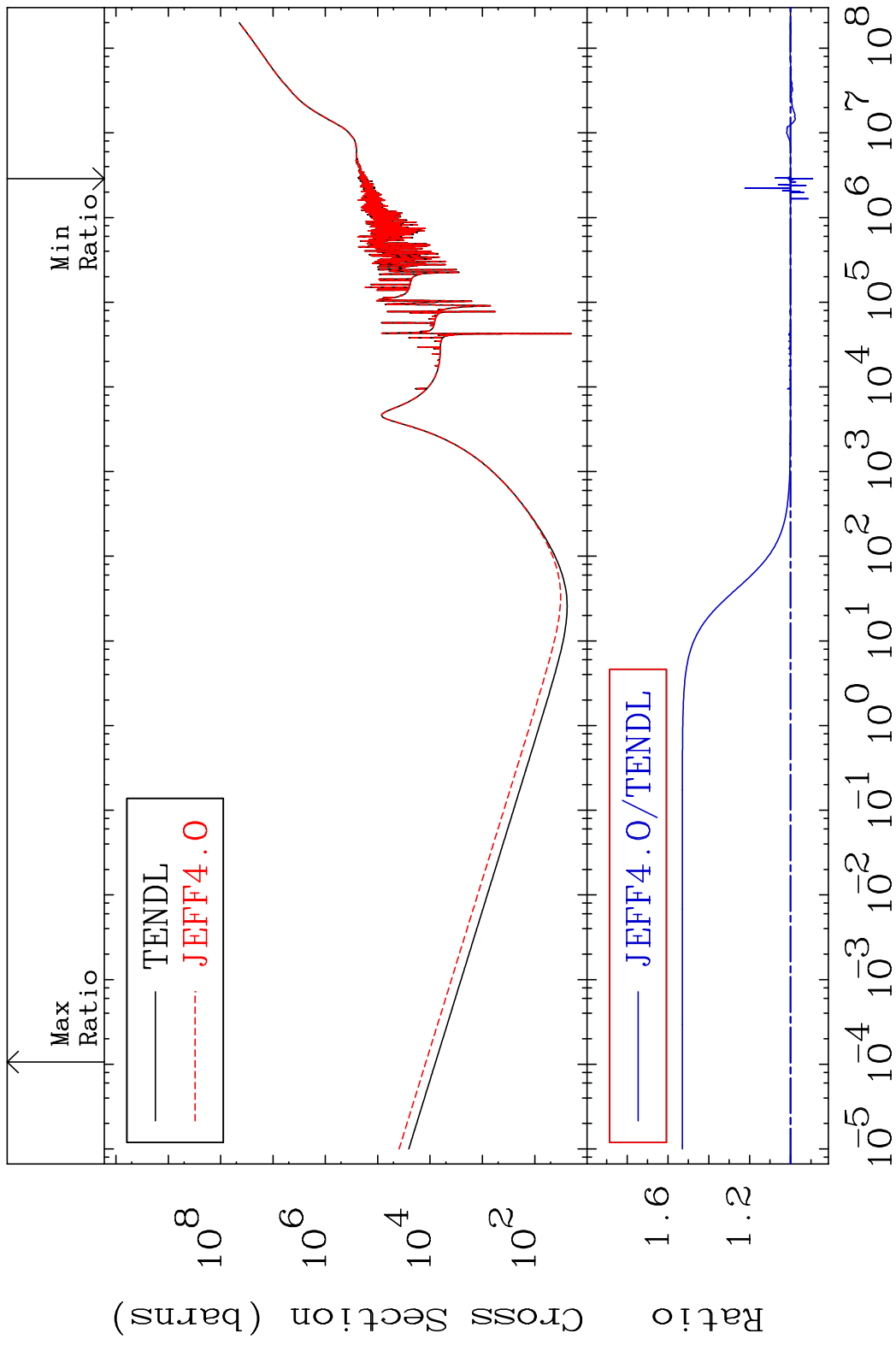


71

Incident Energy (eV)

28-Ni-62

MAT 2837 Total kinematic kerma (high limit) 28-Ni-62
Cross Section -10.81 To 52.95 %

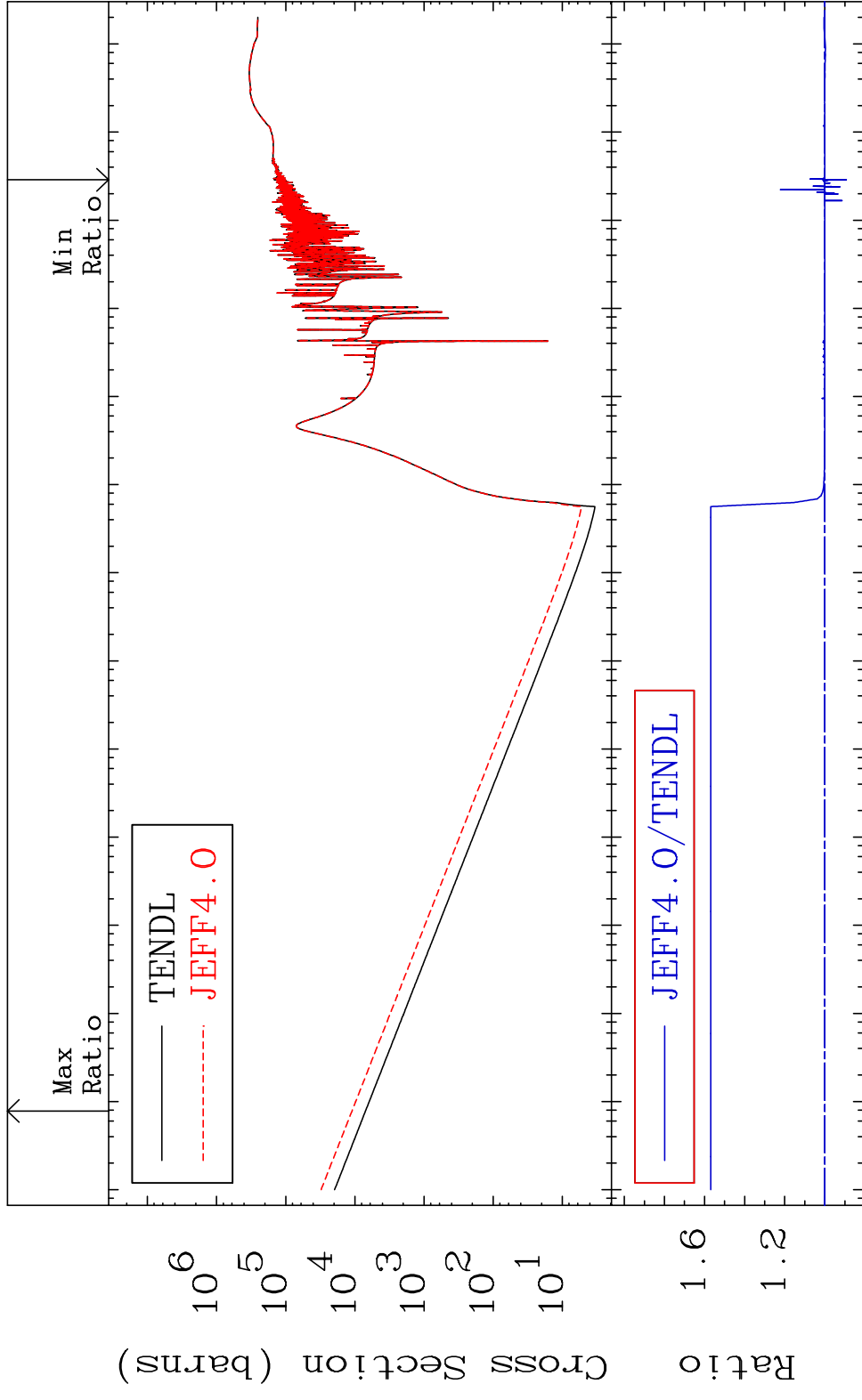


MAT 2837

Dpa total (eV-barns)

28-Ni-62

Cross Section -10.74 To 56.91 %



73

Incident Energy (eV)

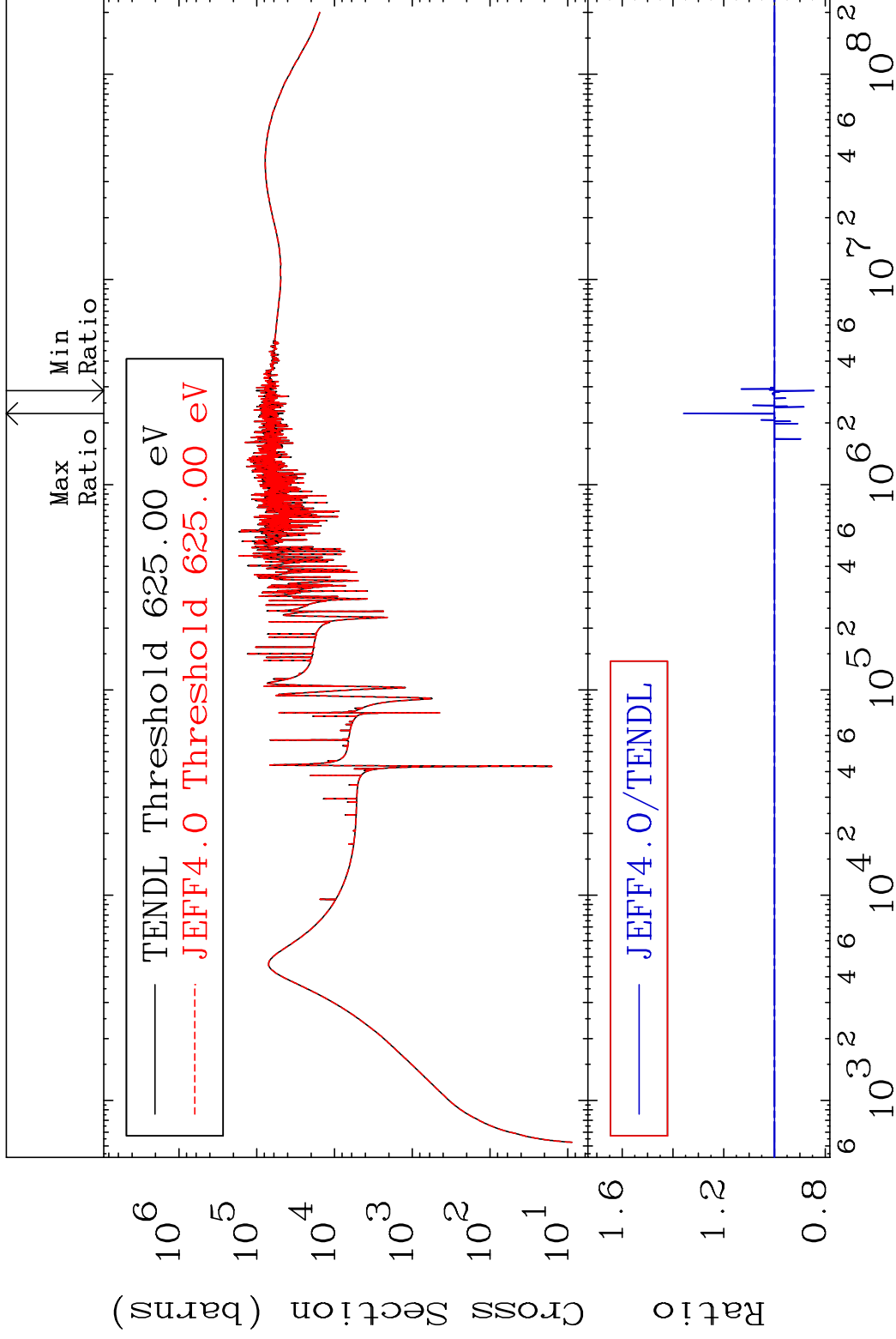
28-Ni-62

MAT 2837

Dpa elastic (mt2)

28-Ni-62

Cross Section -15.60 To 35.86 %

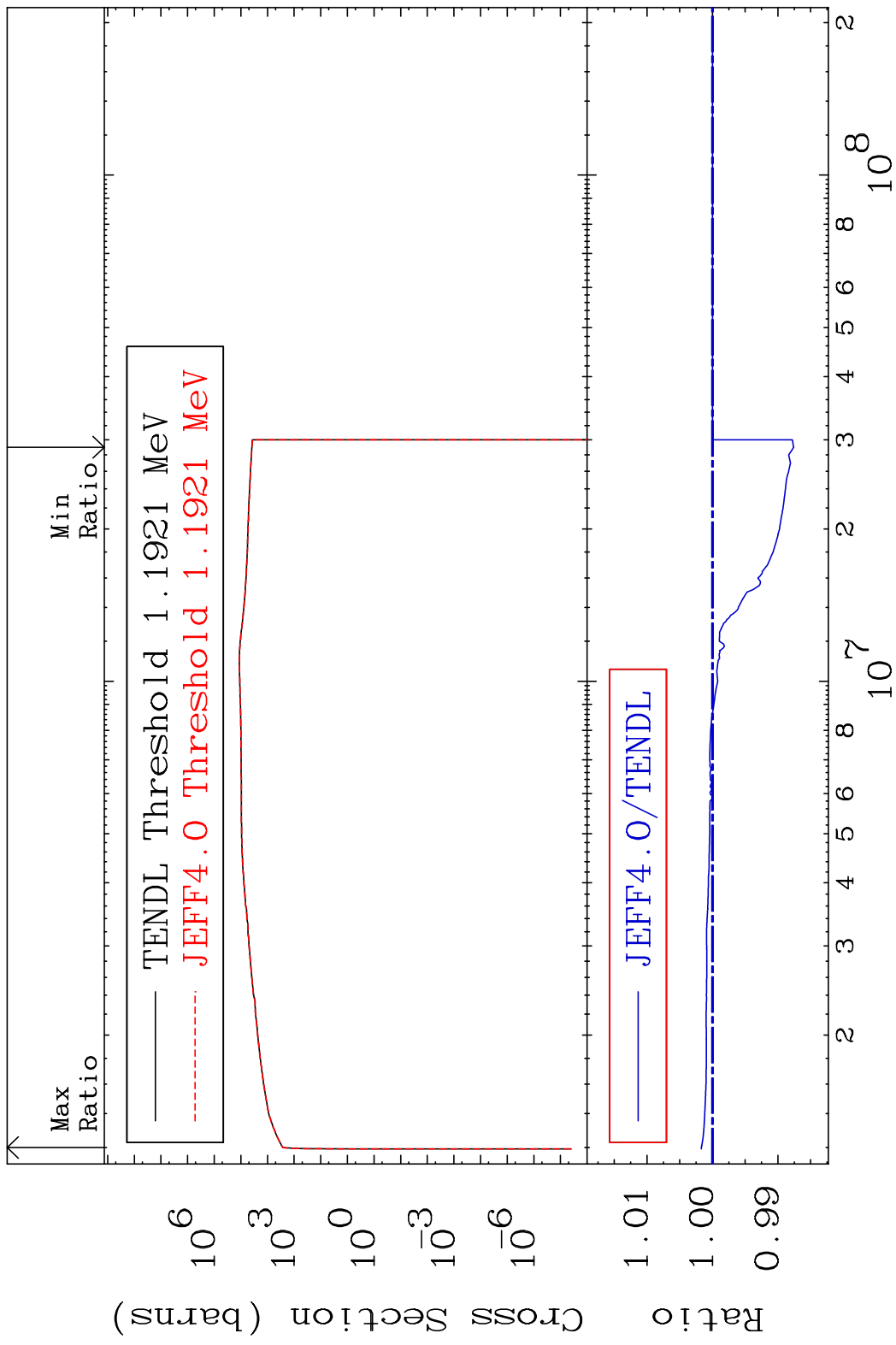


74

Incident Energy (eV)

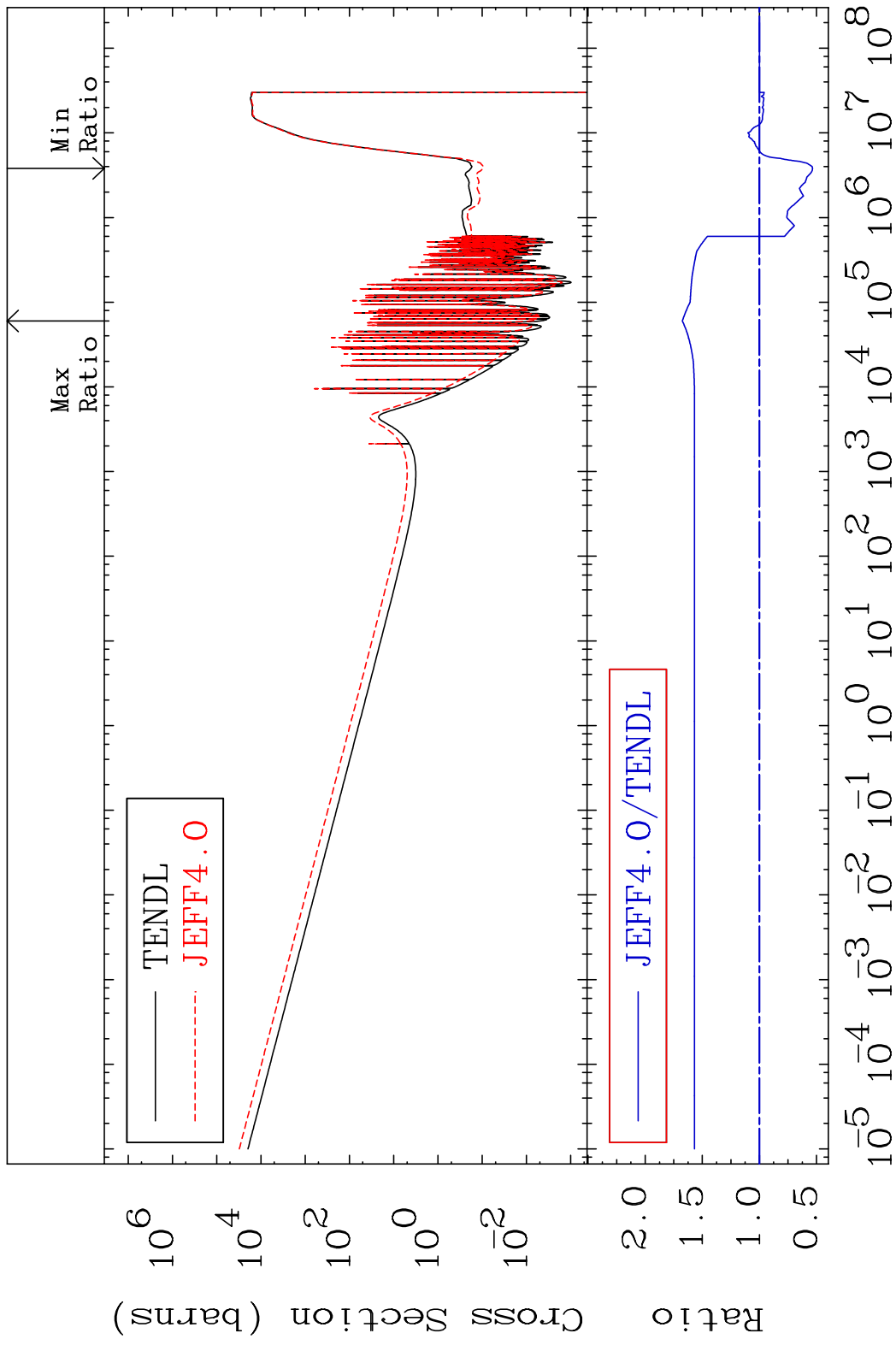
28-Ni-62

MAT 2837 Dpa inelastic (mt51-91) 28-Ni-62
 Cross Section -1.241 To 0.171 %



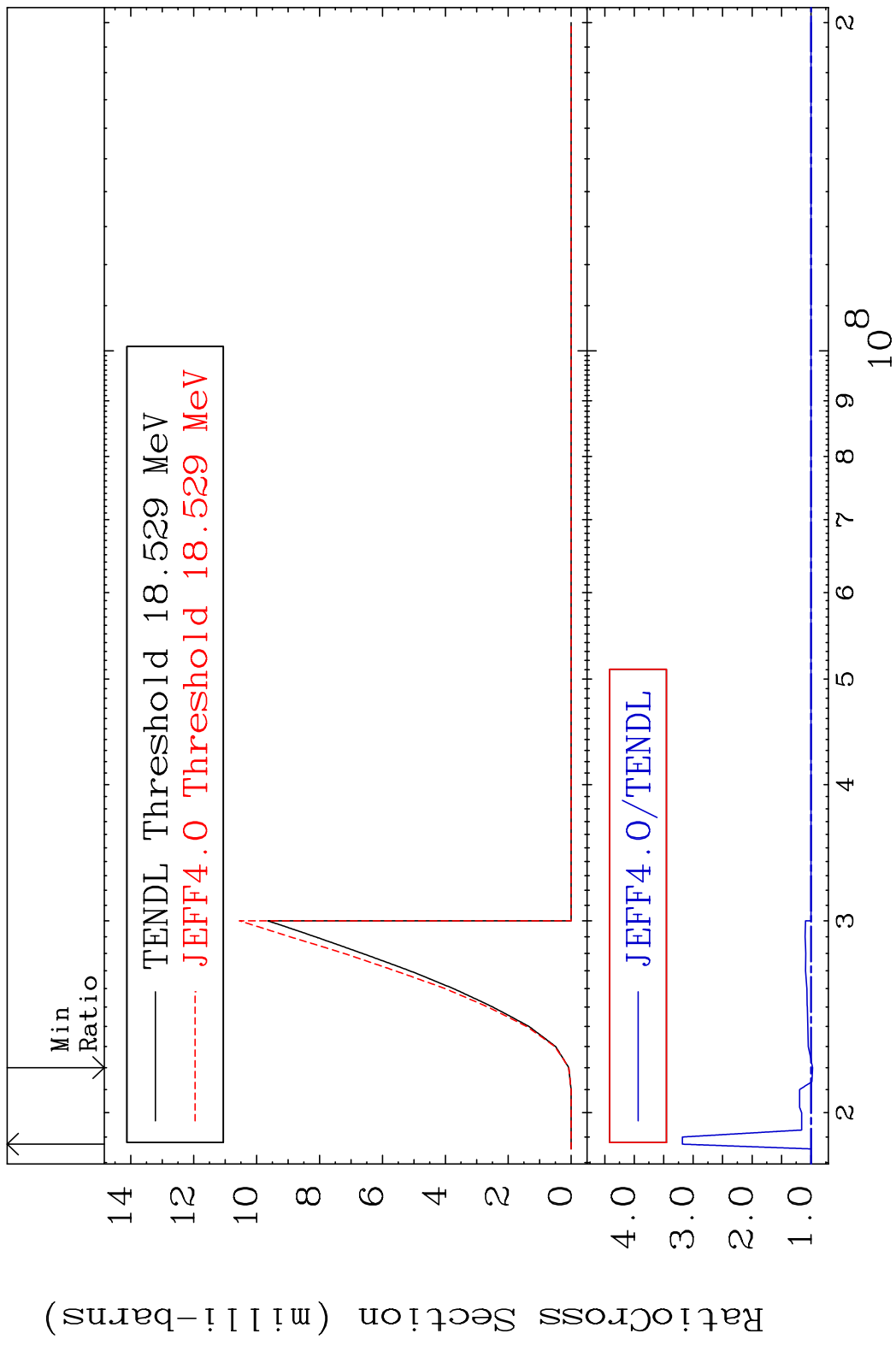
75 Incident Energy (eV) 28-Ni-62

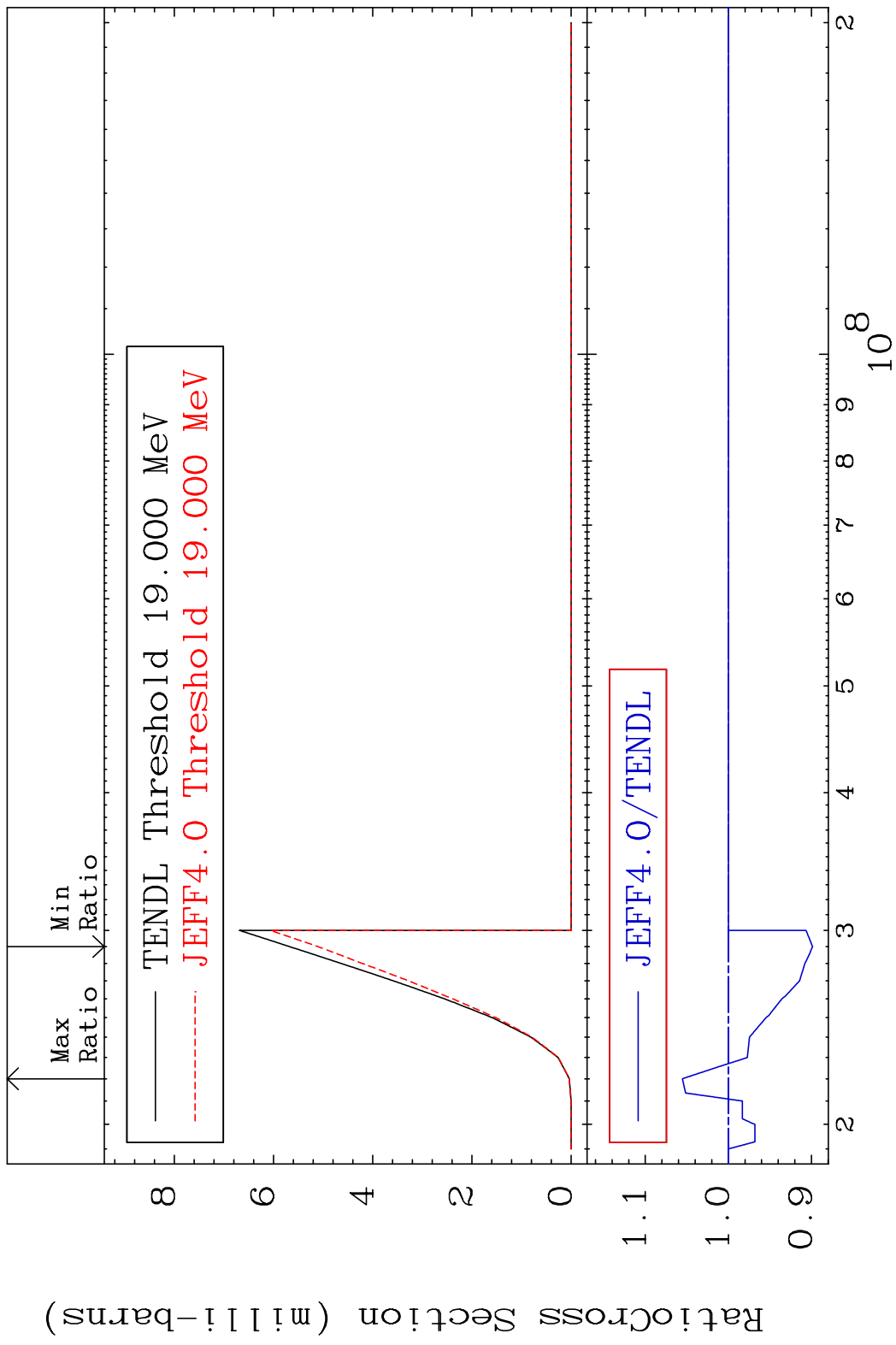
MAT 2837 Dpa disappearance (mt102 -120) 28-Ni-62
 Cross Section -46.49 To 67.47 %



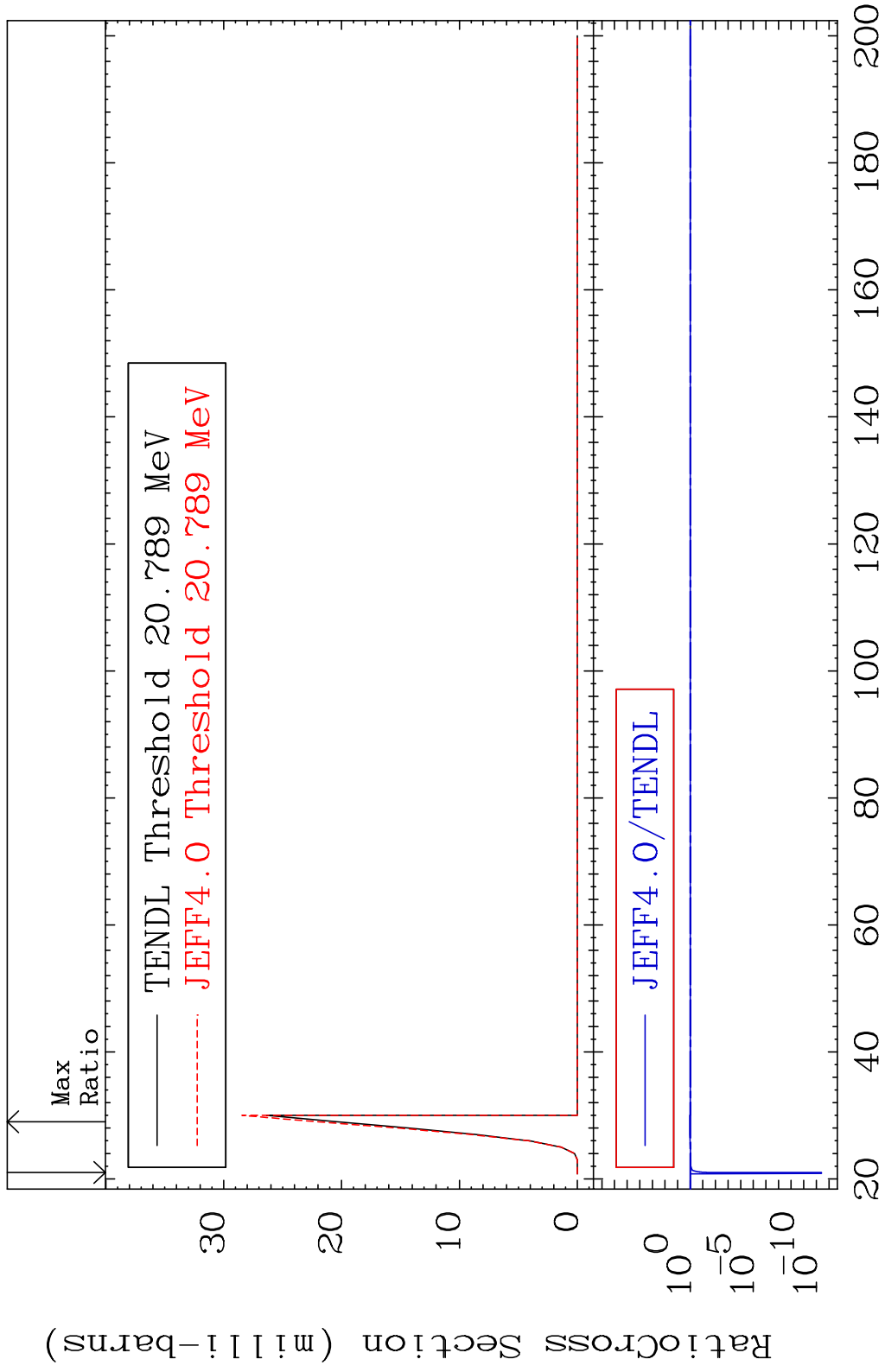
76 Incident Energy (eV) 28-Ni-62

MAT 2837 (n, n') d:27-Co-60g 28-Ni-62
 Radionuclide Production Cross Section 218.3 %

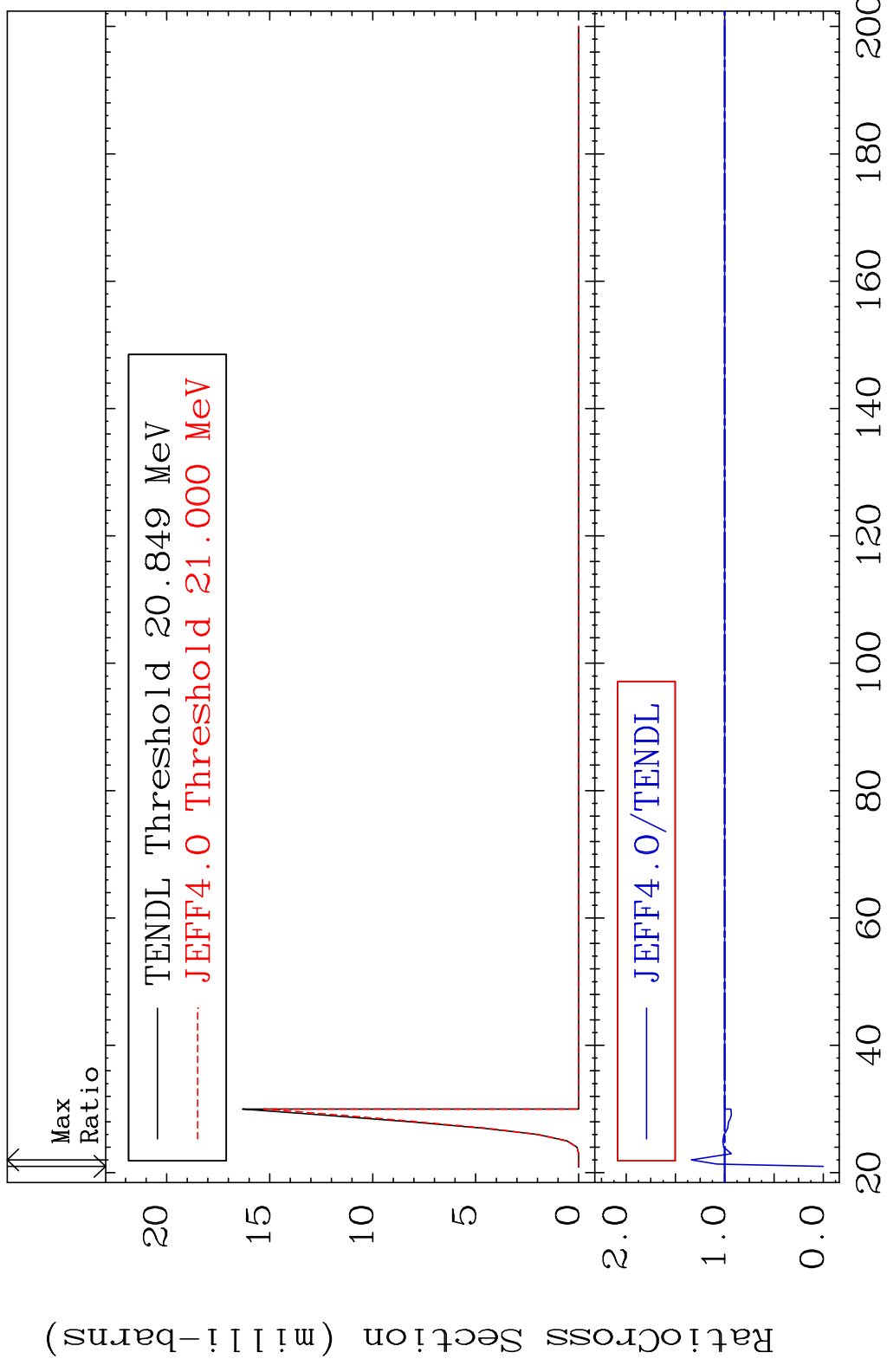




MAT 2837 (n,2n) p:27-Co-60g 28-Ni-62
 Radionuclide Production Cross Section 180.0 dth 8.377 %

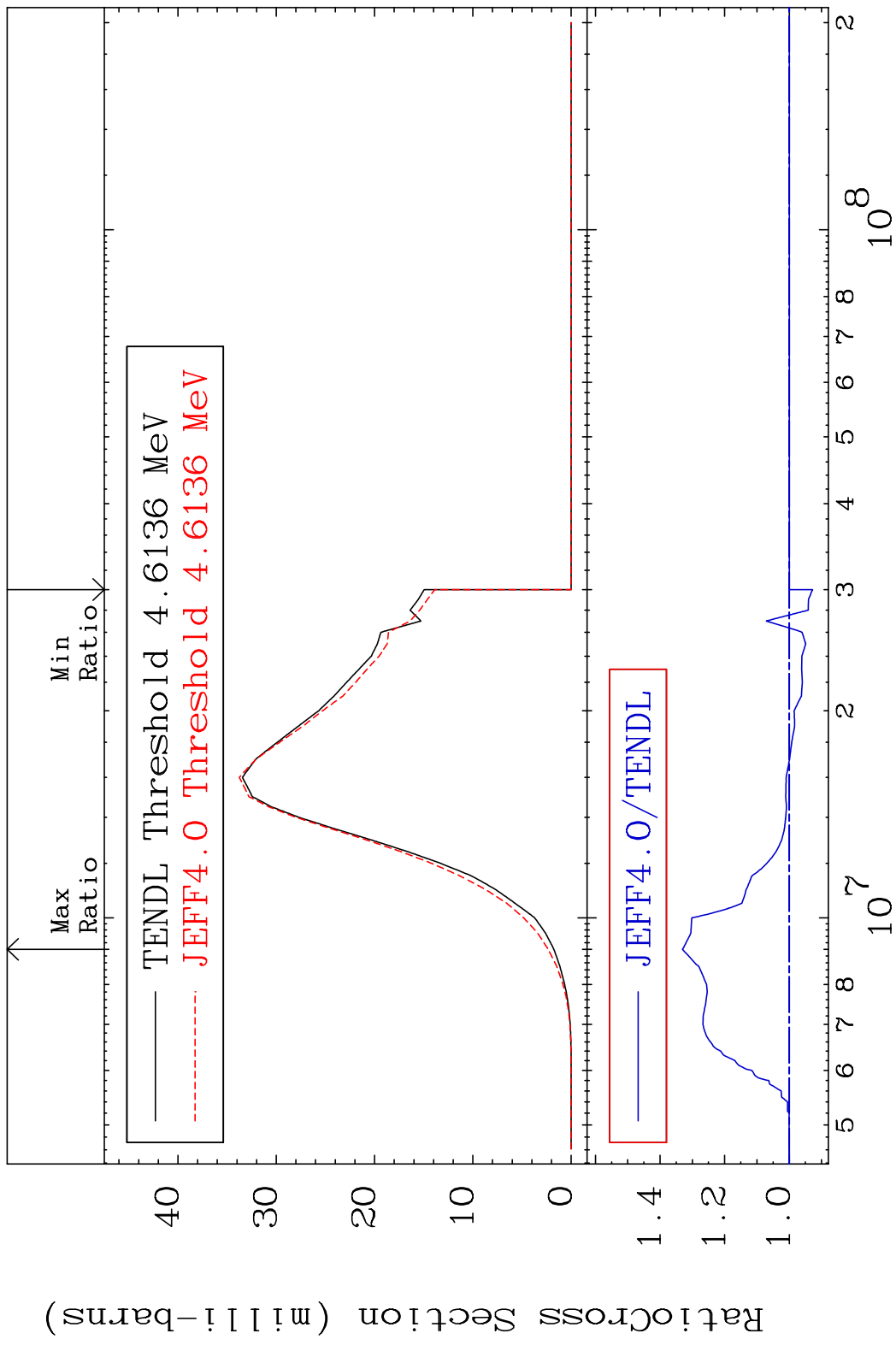


MAT 2837 (n,2n) p:27-Co-60m1 28-Ni-62
 Radionuclide Production Cross Section 180.01 dth 33.87 %

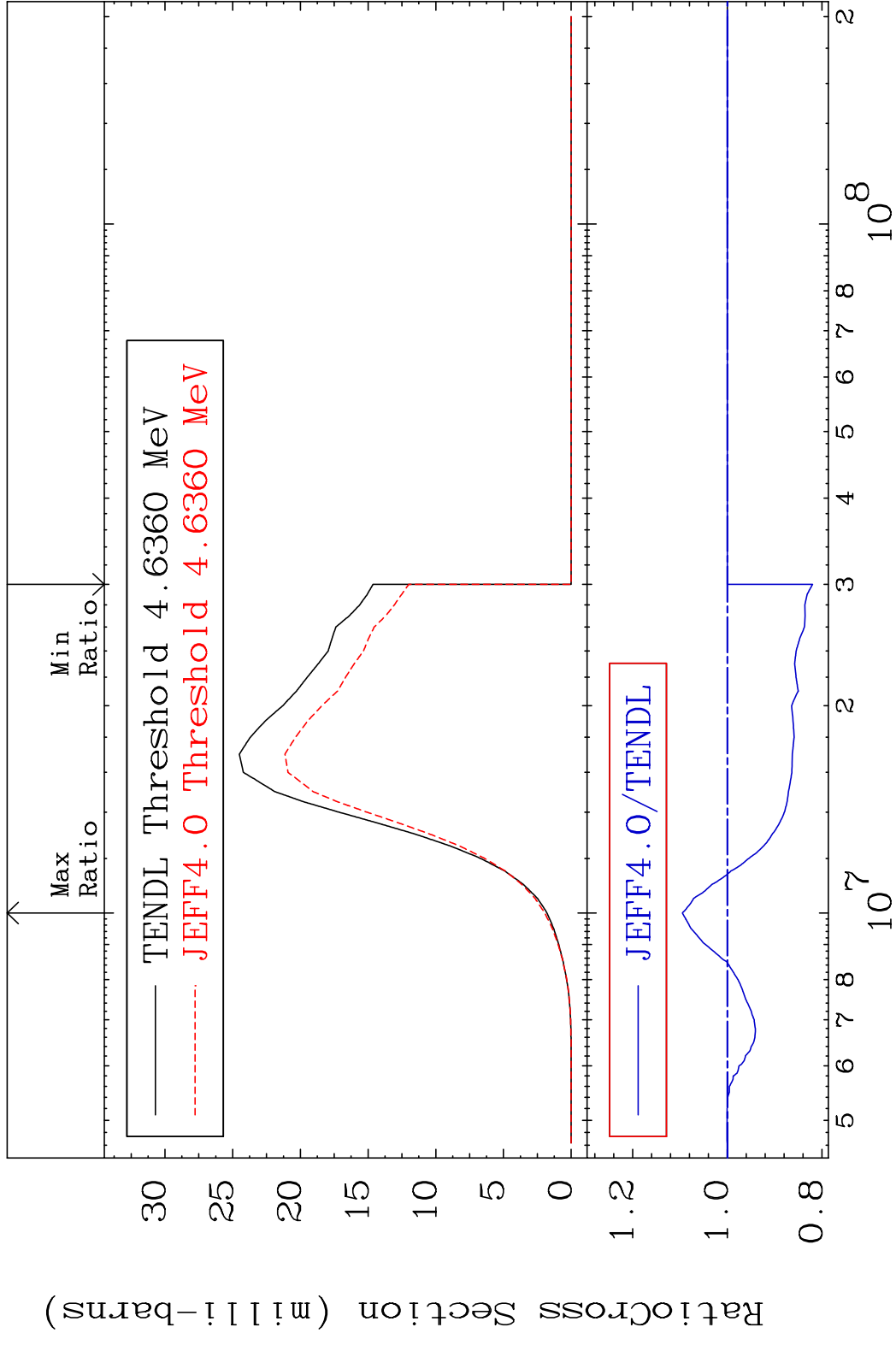


80 Incident Energy (MeV) 28-Ni-62

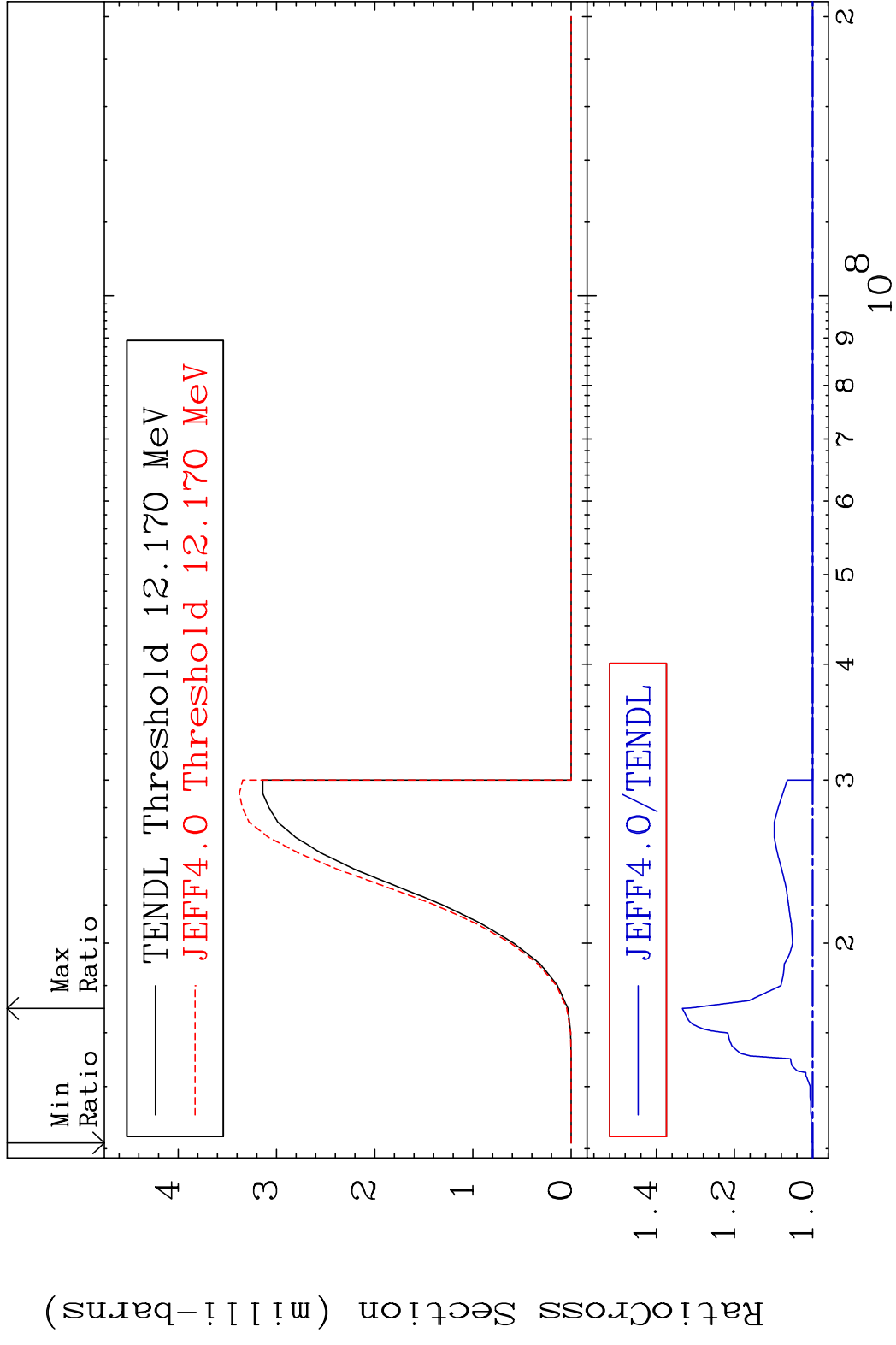
MAT 2837 (n,p):27-Co-62g 28-Ni-62
 Radionuclide Production Cross Section 33.09 %



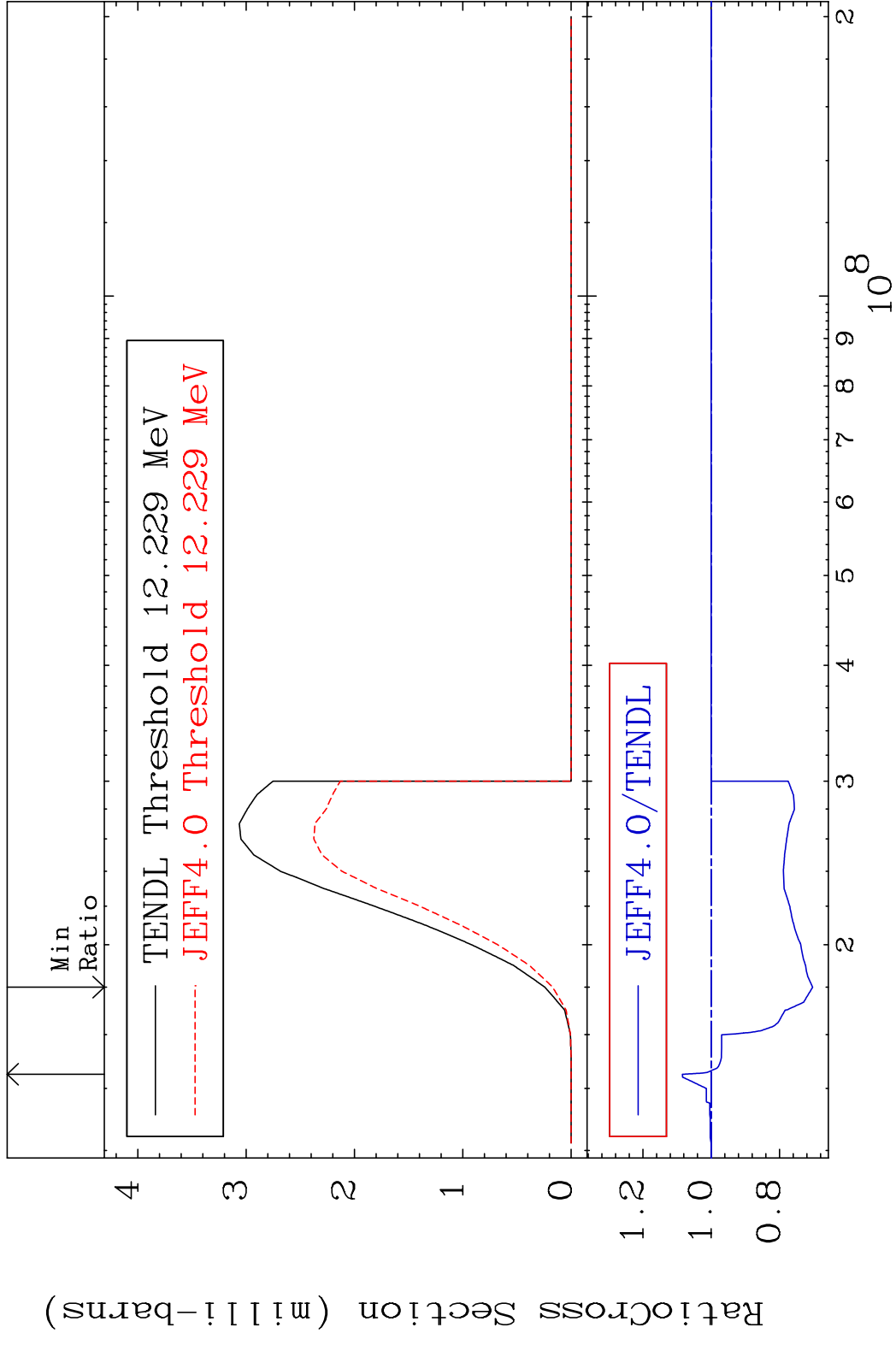
MAT 2837 (n,p):27-Co-62m1 28-Ni-62
 Radionuclide Production Cross Section 1860110 9.500 %



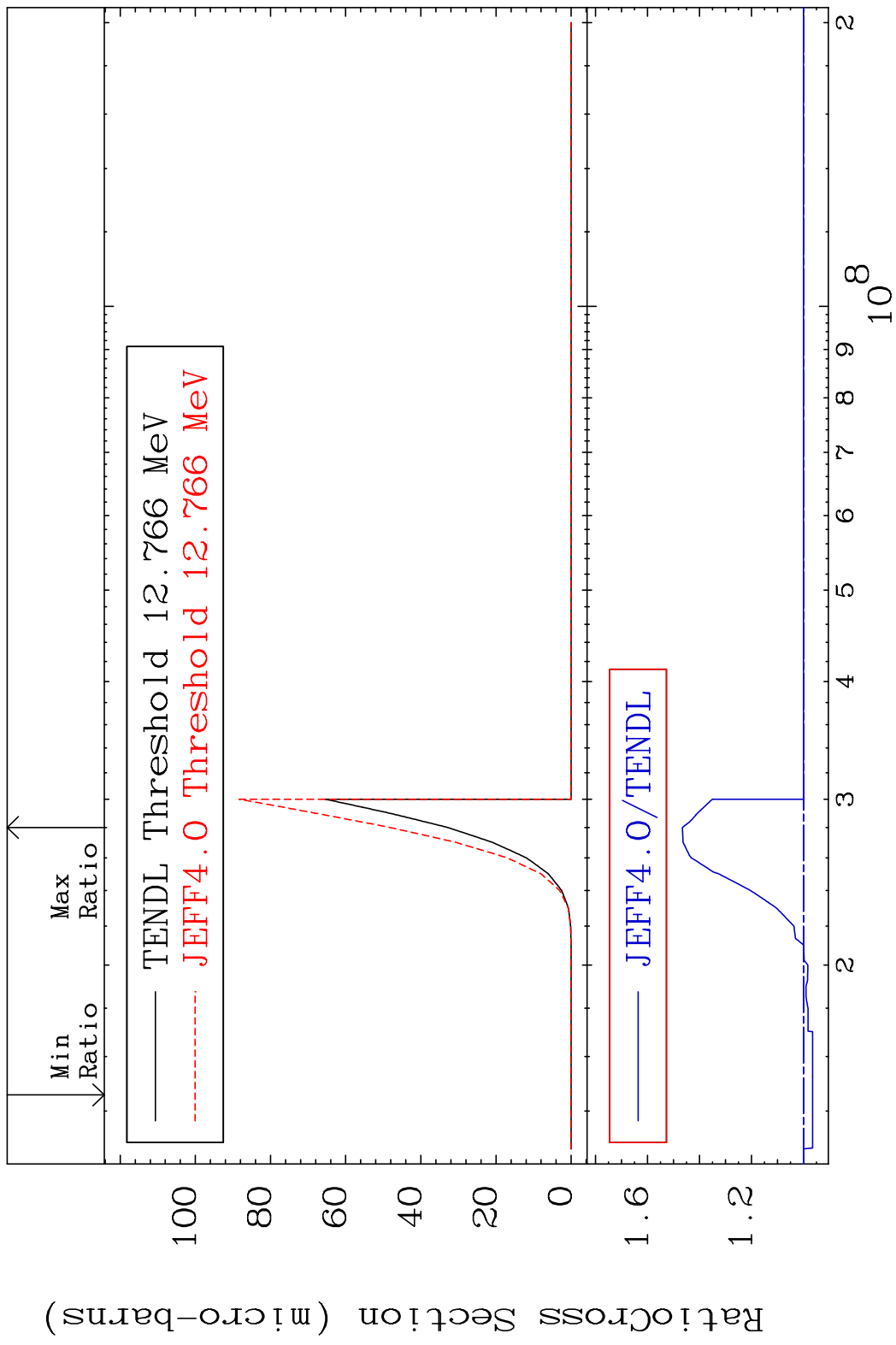
MAT 2837 (n, t):27-Co-60g 28-Ni-62
 Radionuclide Production Cross Section 33.36 %



MAT 2837 (n,t):27-Co-60m1 28-Ni-62
 Radionuclide Production Cross Section 8.442 %



MAT 2837 (n, p) α :25-Mn-58g 28-Ni-62
 Radionuclide Production Cross Section 46.60 %



MAT 2837 (n, p) α :25-Mn-58m1 28-Ni-62
 Radionuclide Production Cross Section 34.44 %

