

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

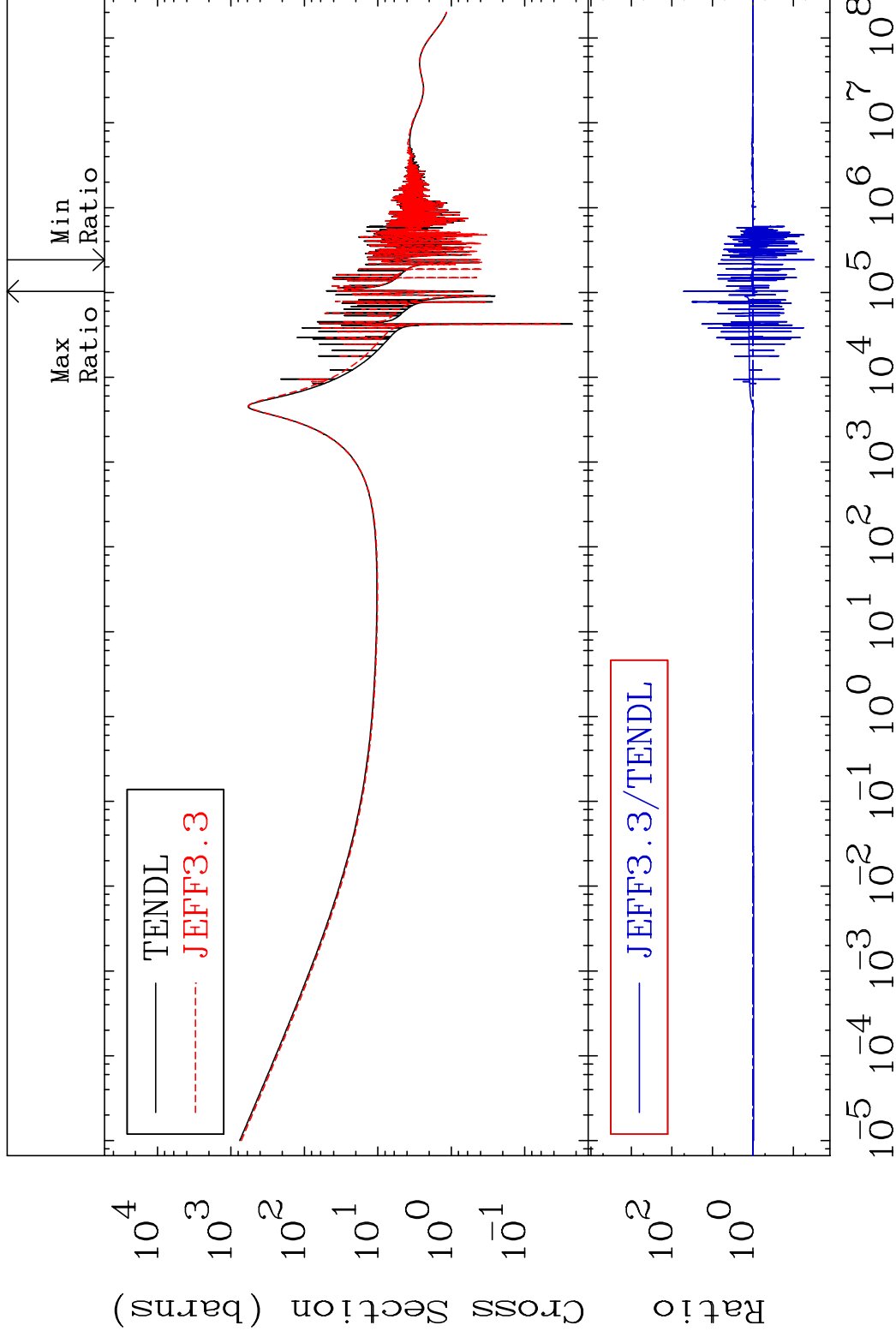
MAT 2837

Total

28-Ni-62

Cross Section

-96.92 To 5021. %



1

Incident Energy (eV)

28-Ni-62

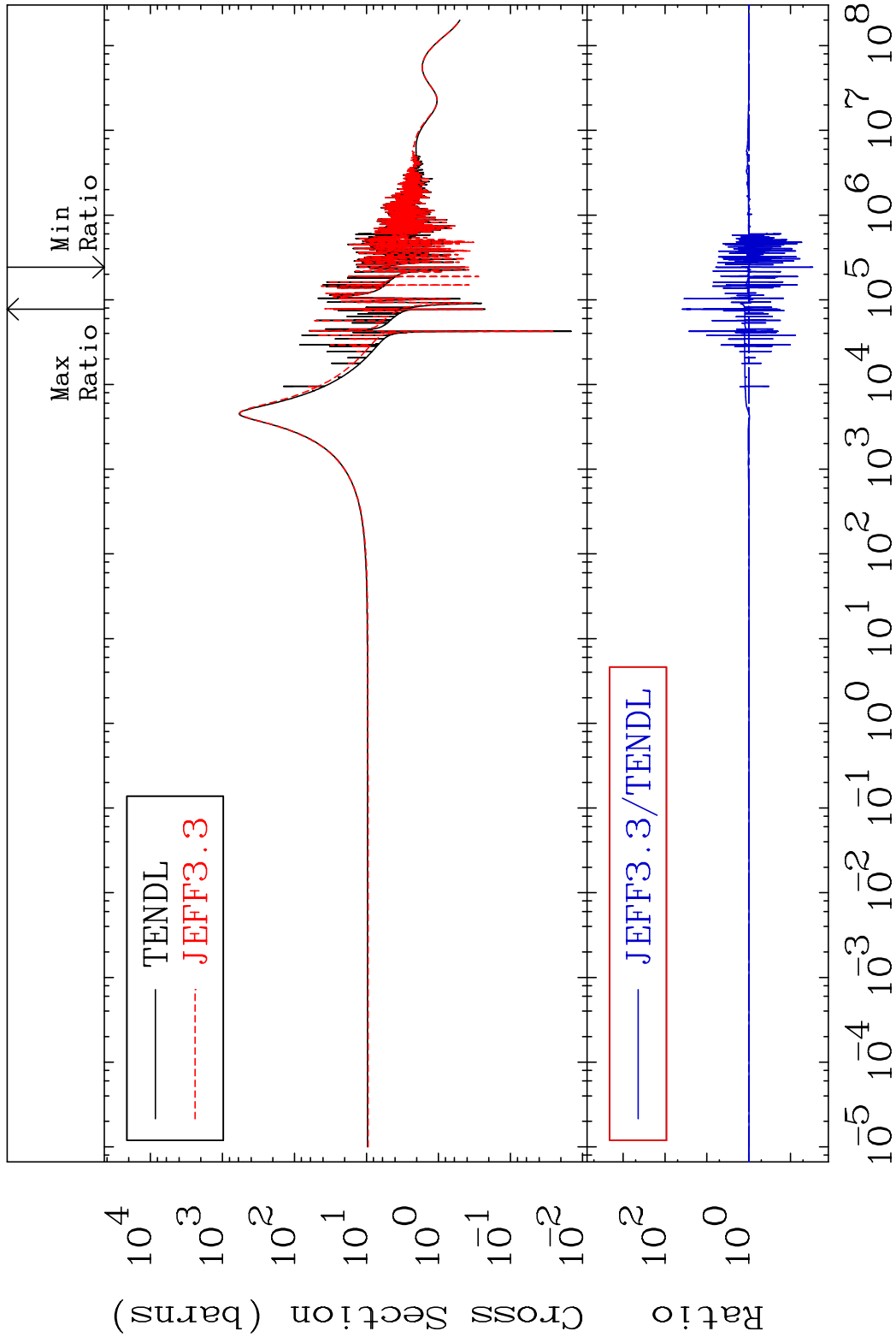
MAT 2837

Elastic

28-Ni-62

Cross Section

-97.03 To 3738. %



2

Incident Energy (eV)

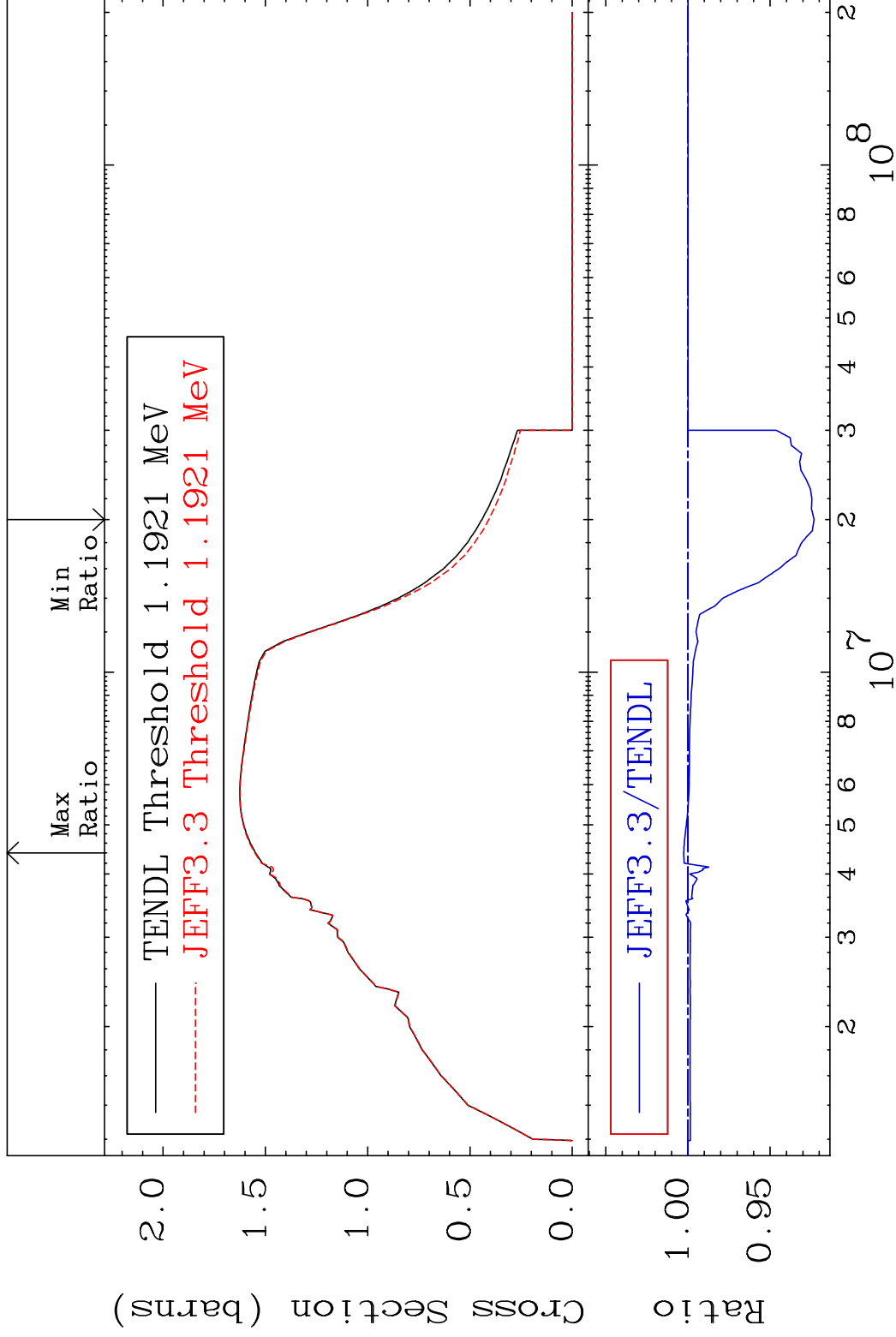
28-Ni-62

MAT 2837

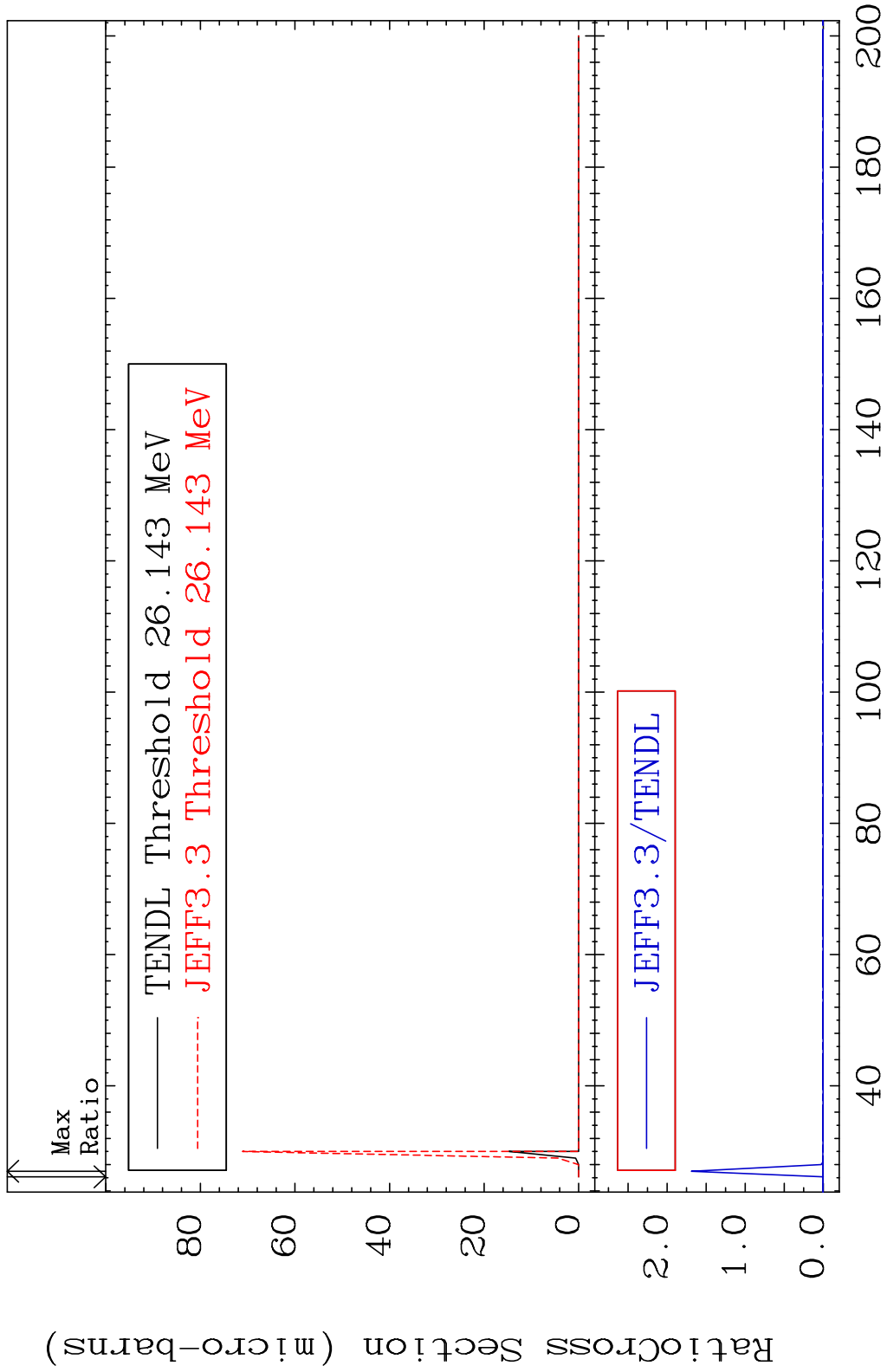
Inelastic

28-Ni-62

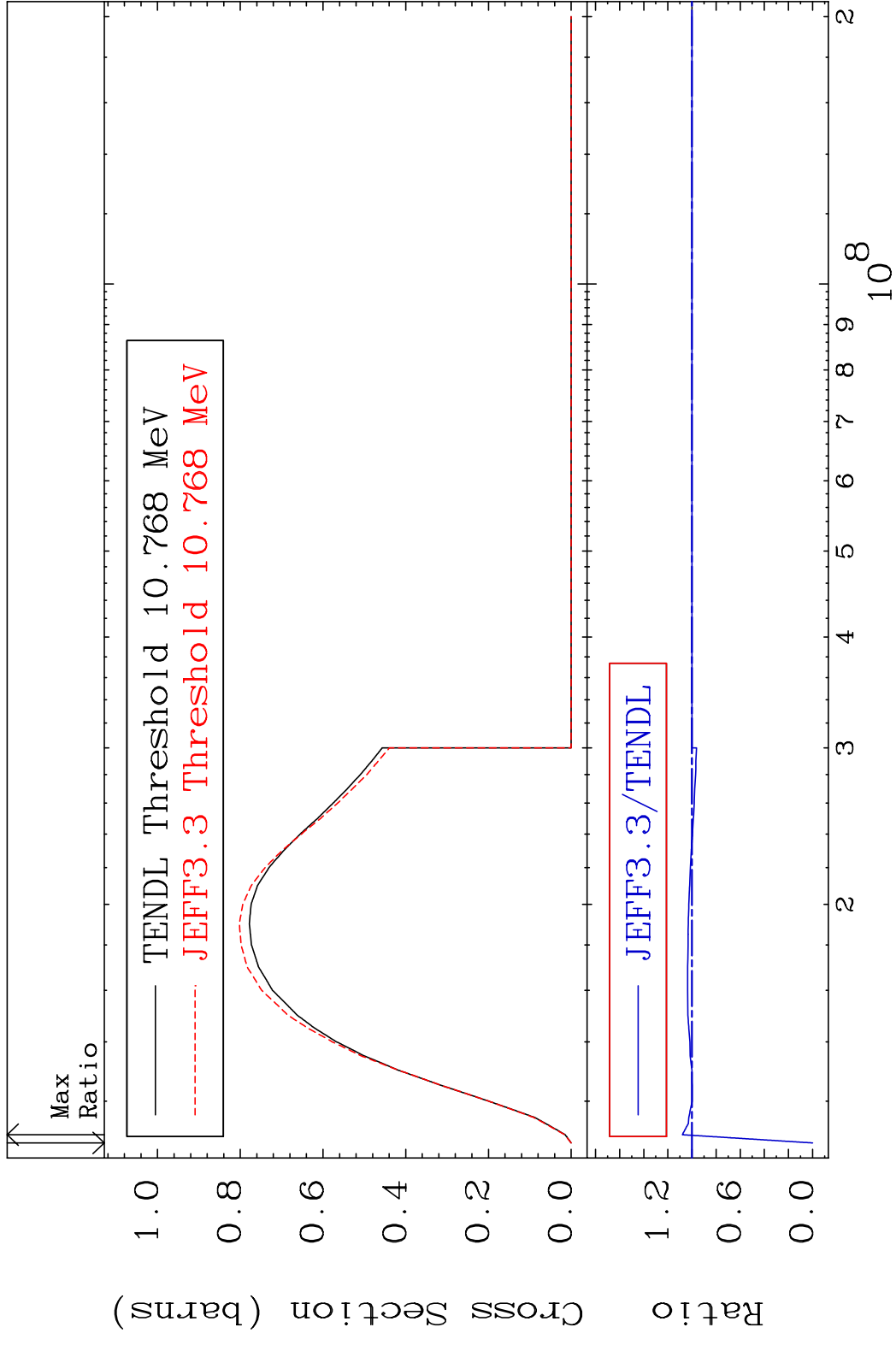
Cross Section -7.684 To 0.260 %



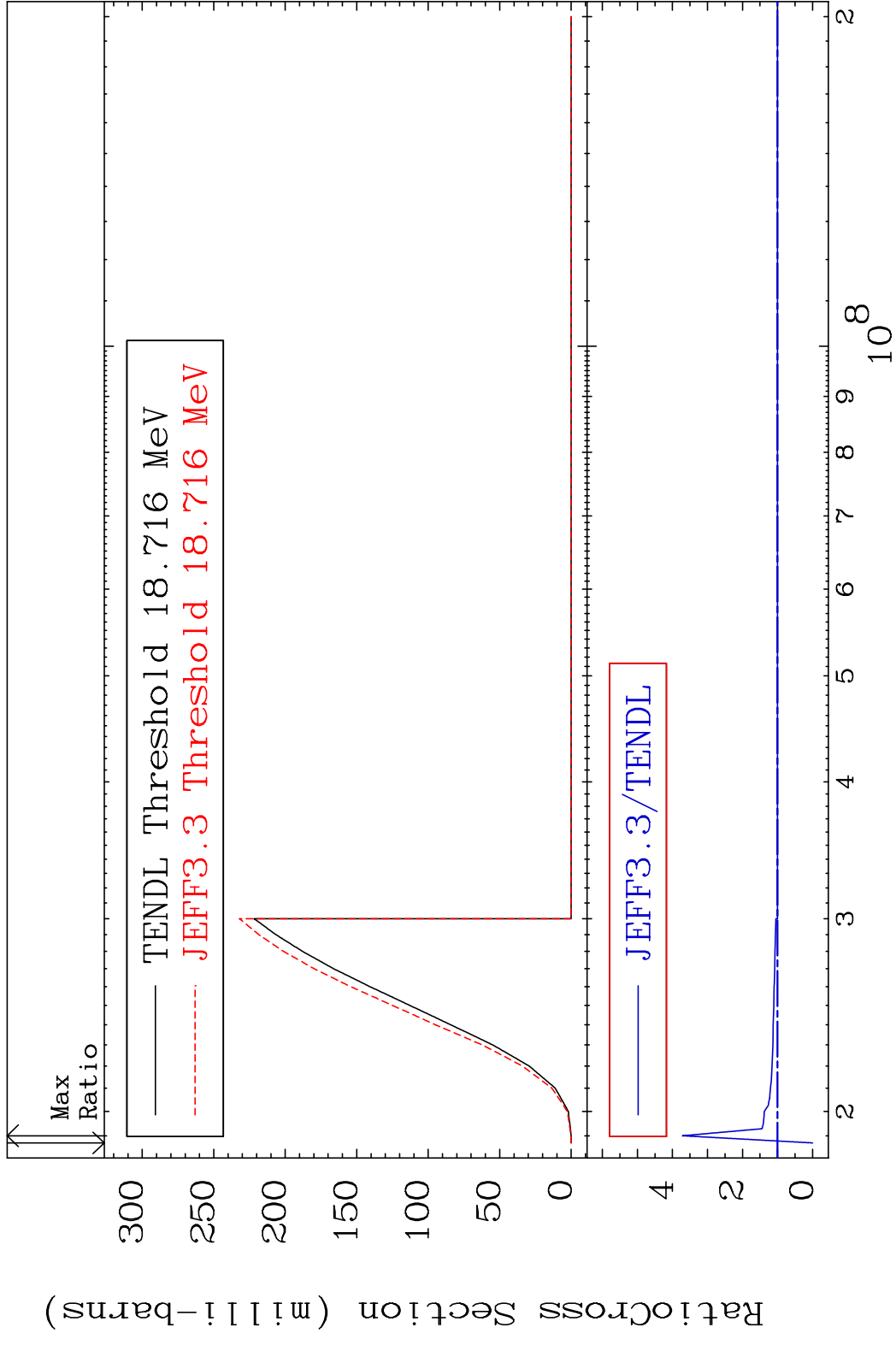
MAT 2837 (n,2n) d 28-Ni-62
 Cross Section -100.0 To 9999. %



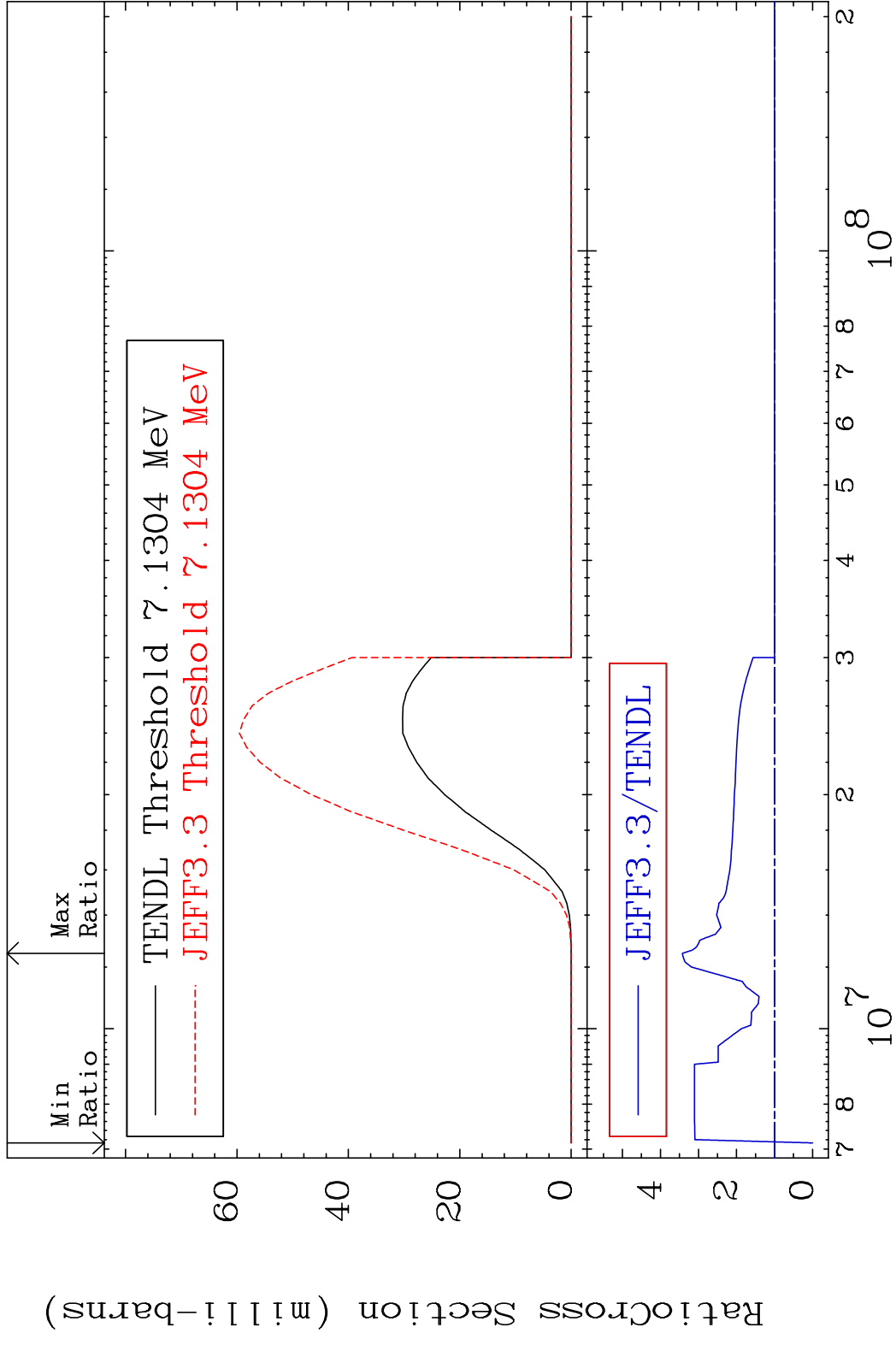
MAT 2837 (n,2n) 28-Ni-62
 Cross Section -100.0 To 7.988 %



MAT 2837 (n,3n) 28-Ni-62
 Cross Section -100.0 To 271.7 %

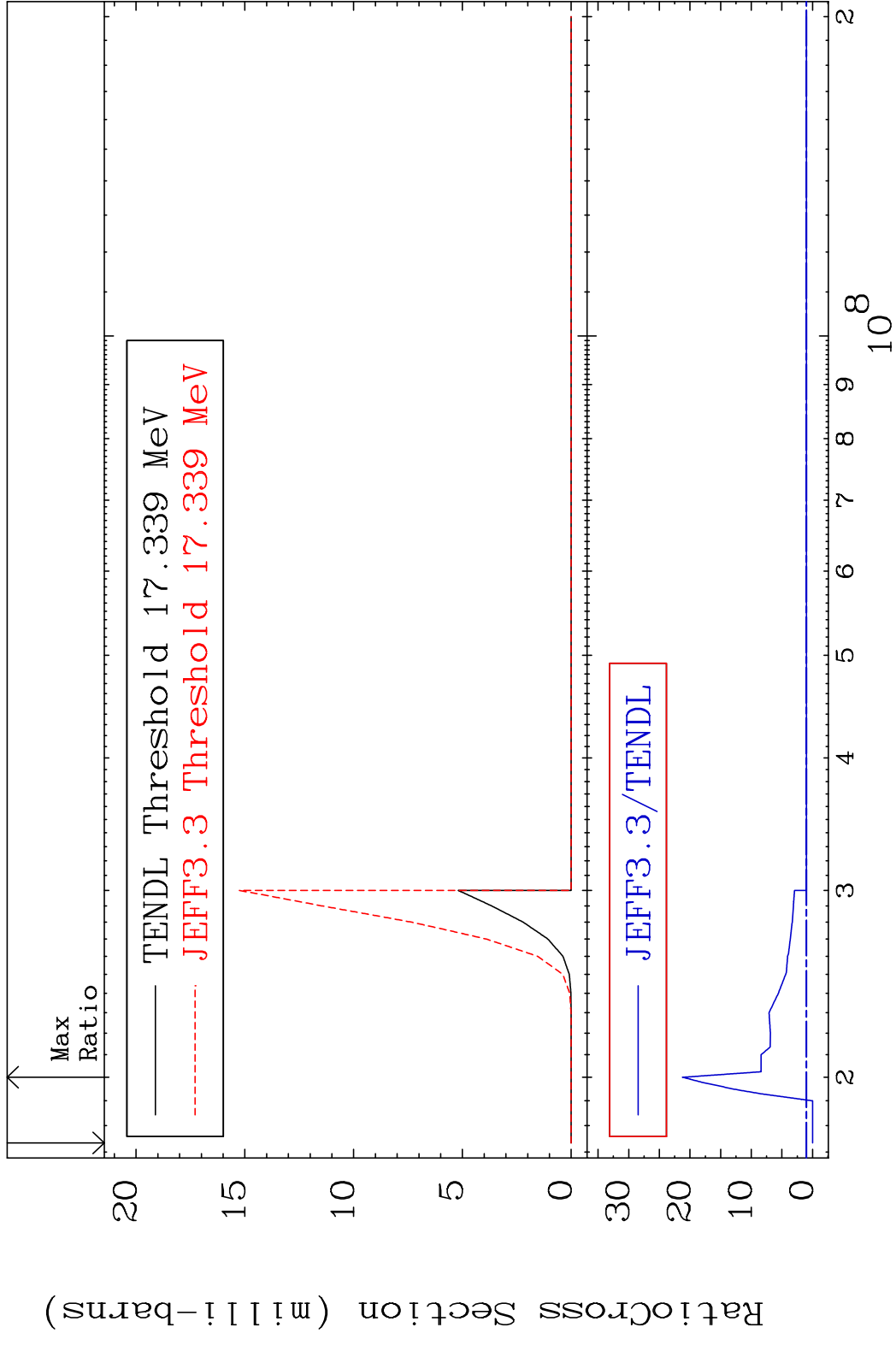


MAT 2837 $(n, n') \alpha$ $^{28}\text{Ni-62}$
 Cross Section -100.0 To 242.4 %



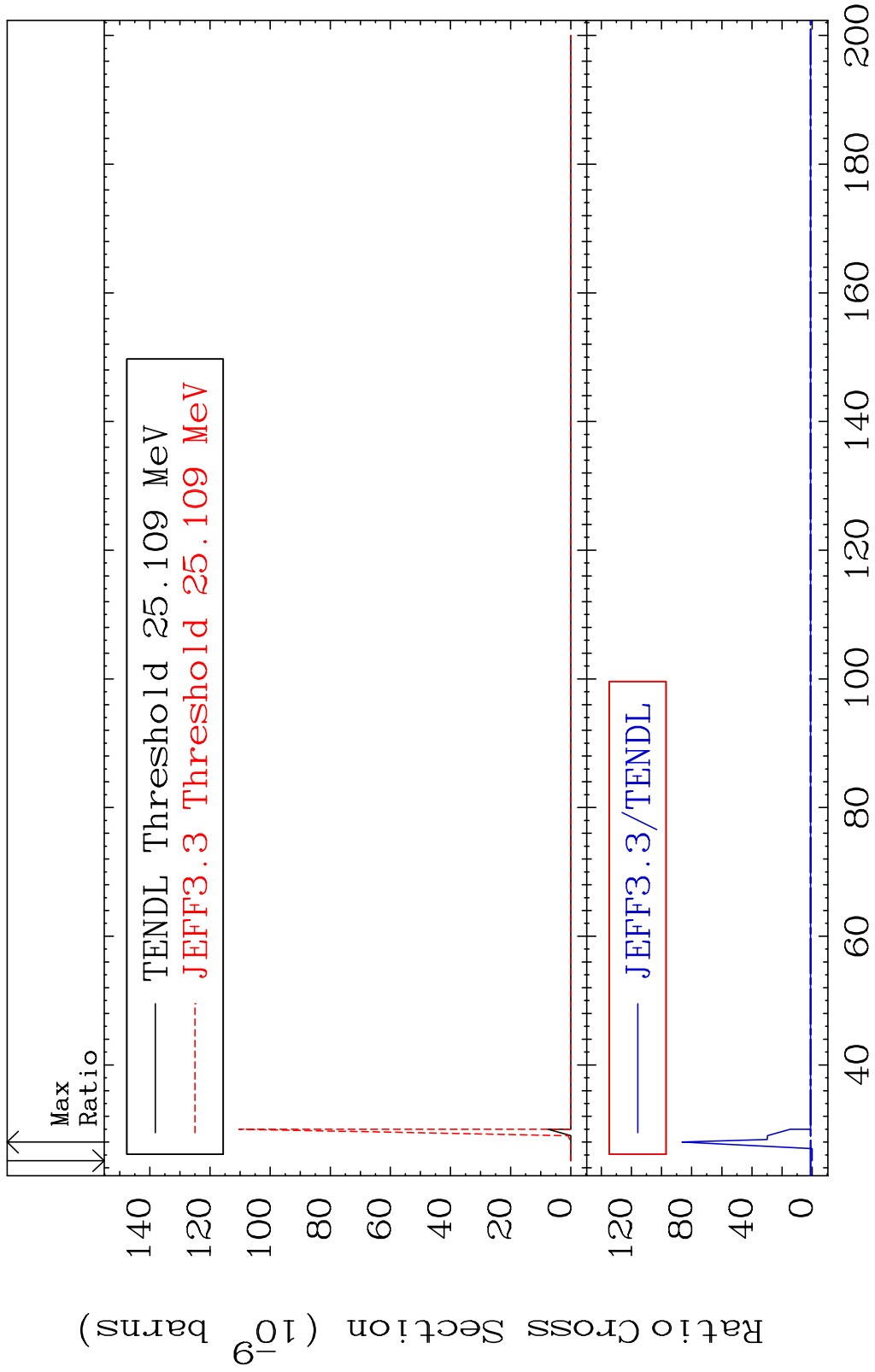
7 Incident Energy (eV) $^{28}\text{Ni-62}$

MAT 2837 (n,2n) α 28-Ni-62
 Cross Section -100.0 To 2025. %



8 8 Incident Energy (eV) 28-Ni-62

MAT 2837 (n,3n) α $^{28}\text{Ni-62}$
 Cross Section -100.0 To 8545. %

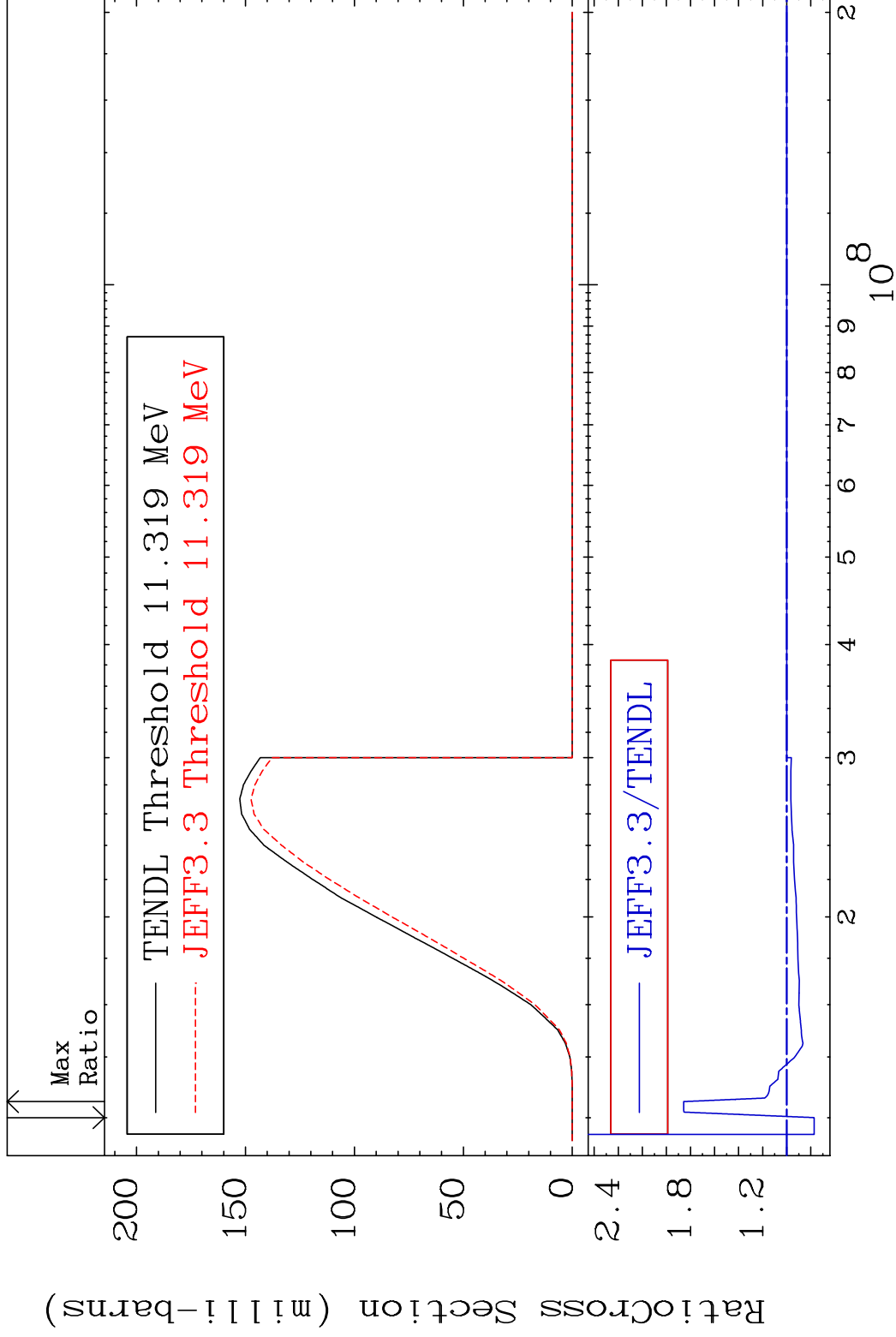


MAT 2837

(n, n') p

28-Ni-62

Cross Section -22.74 To 85.64 %

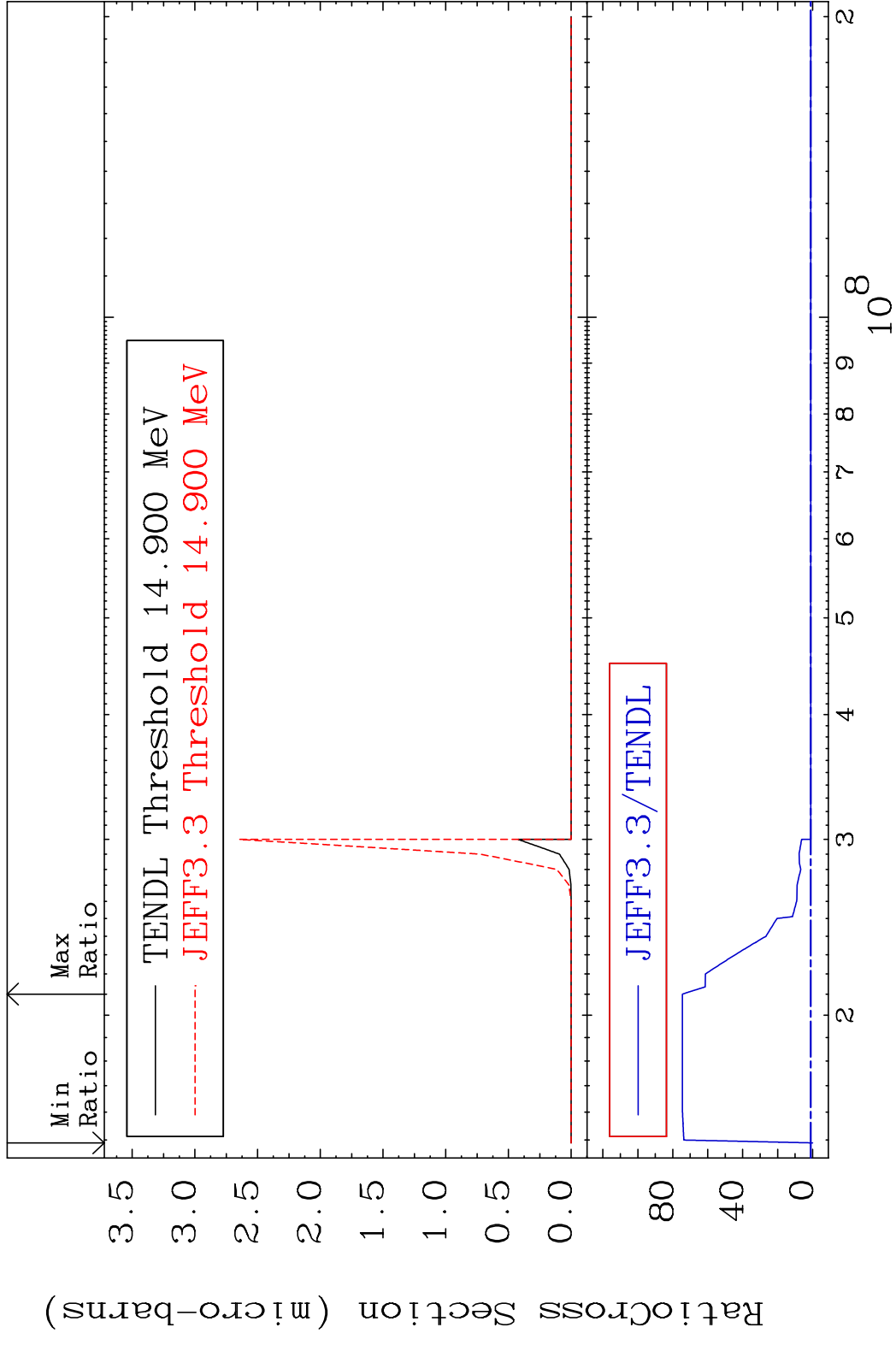


10

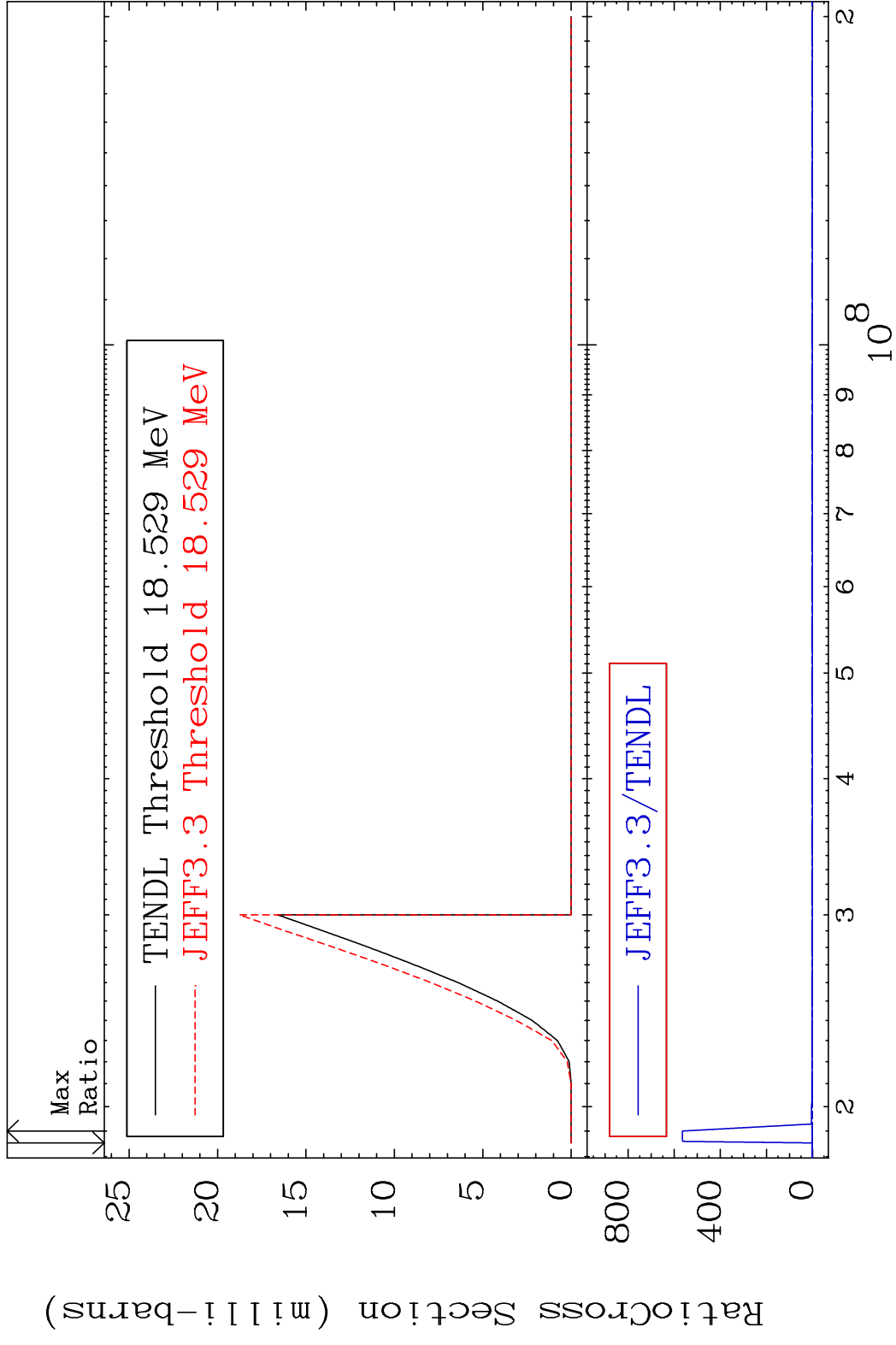
Incident Energy (eV)

28-Ni-62

MAT 2837 (n, n') 2α 28-Ni-62
 Cross Section -100.0 To 7352. %

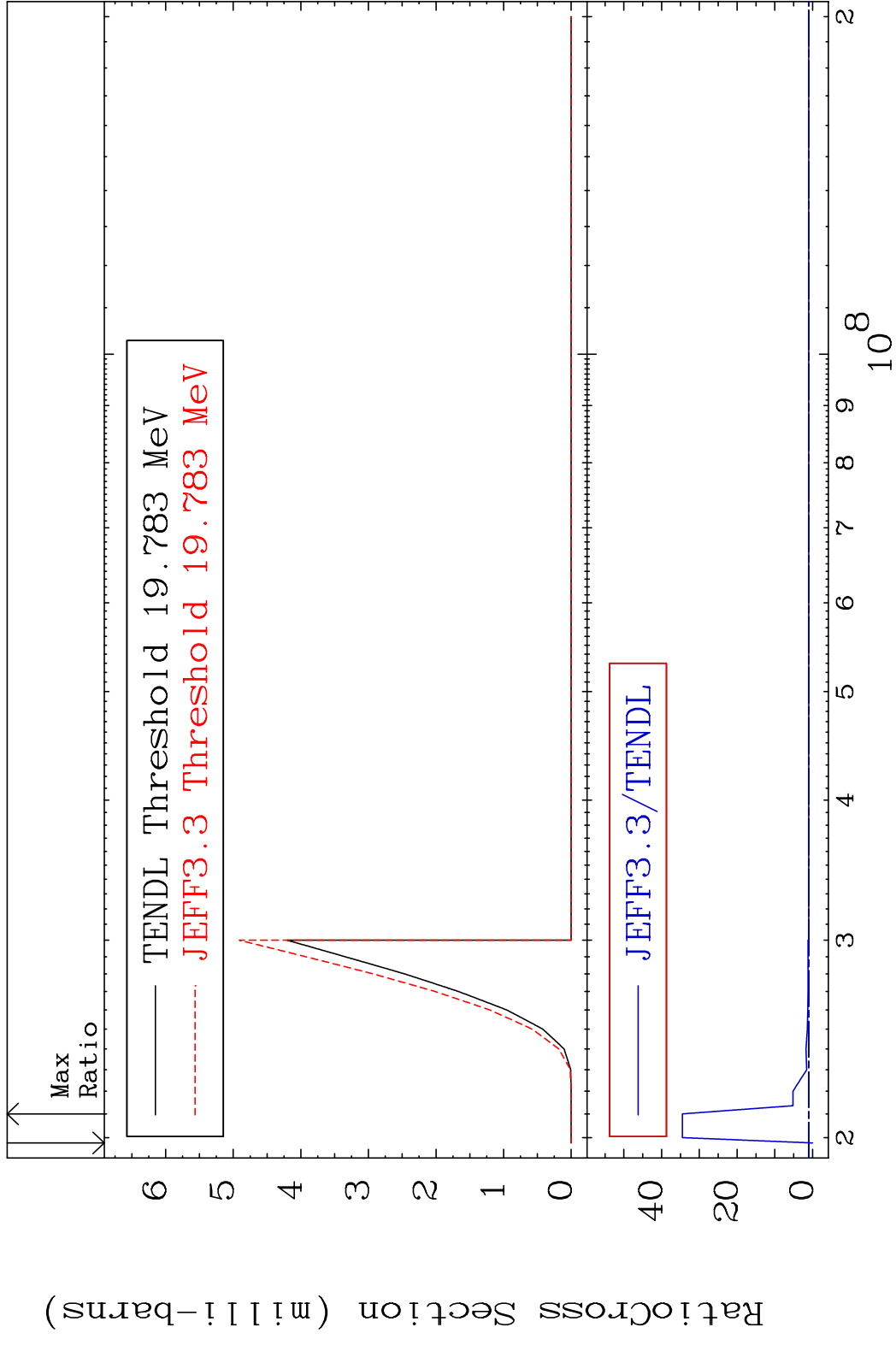


MAT 2837 (n, n') d 28-Ni-62
 Cross Section -100.0 To 9999. %



12 Incident Energy (eV) 28-Ni-62

MAT 2837 (n, n') t 28-Ni-62
 Cross Section -100.0 To 3350. %

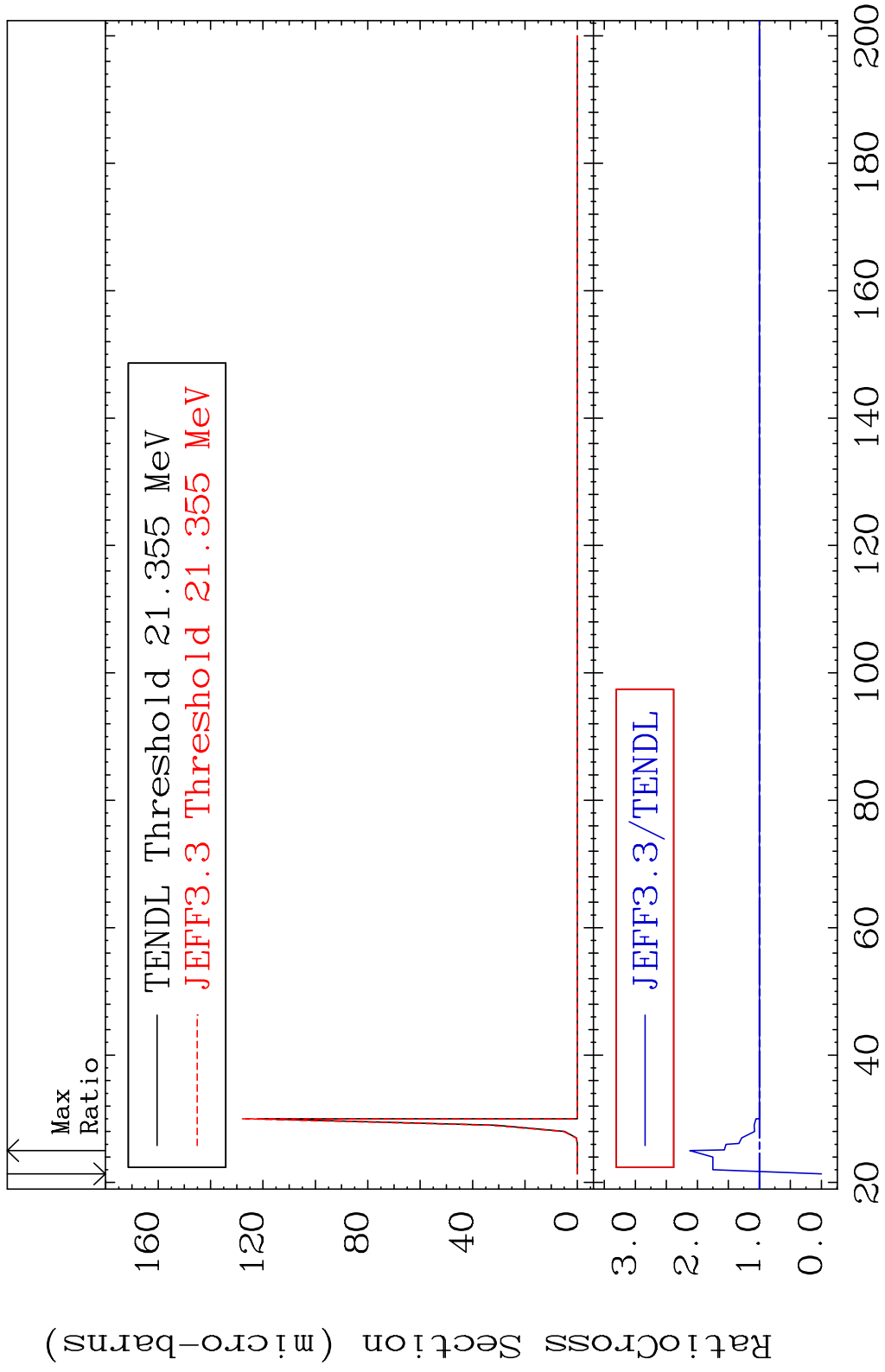


MAT 2837

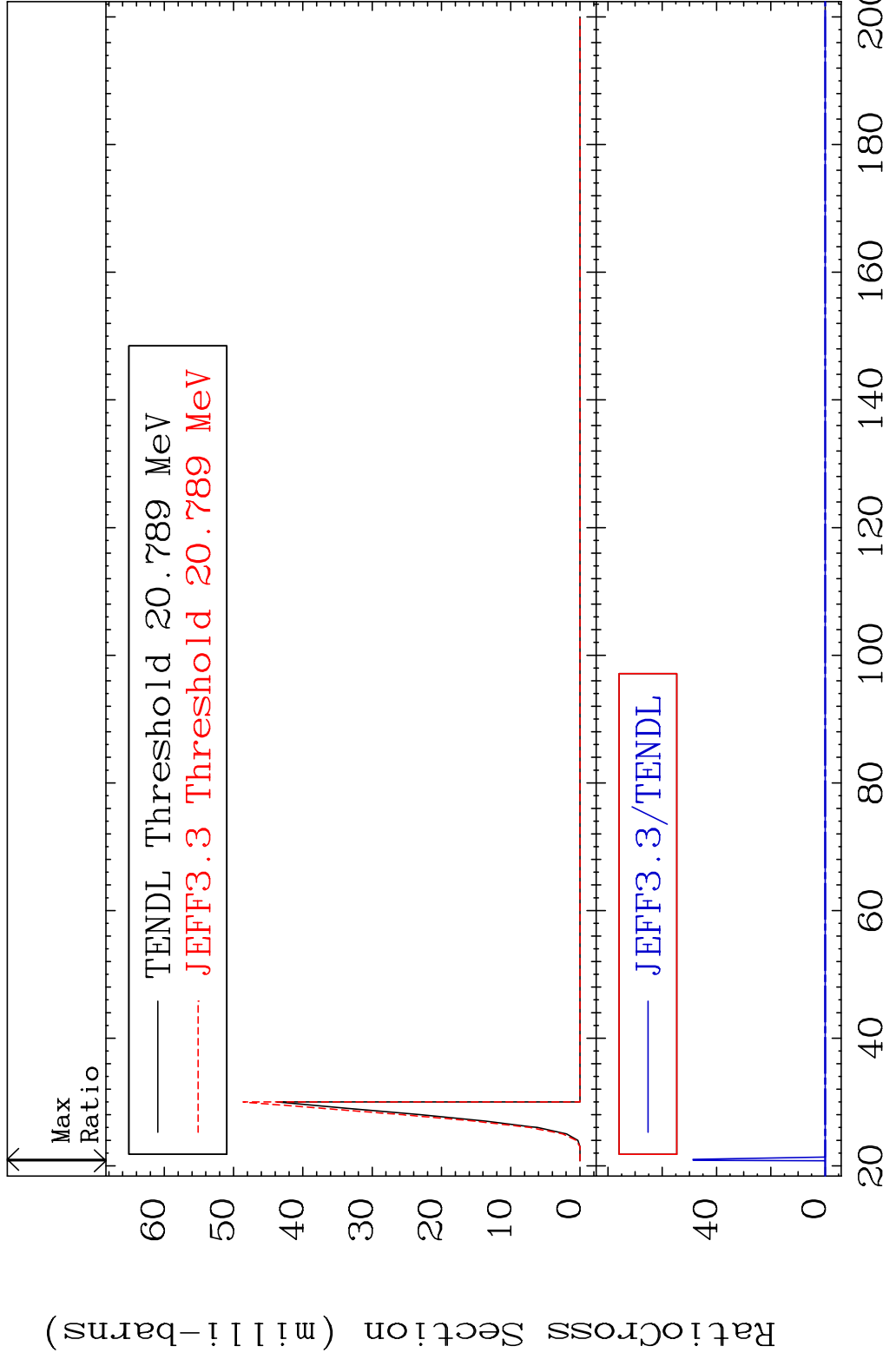
(n,n') He-3

28-Ni-62

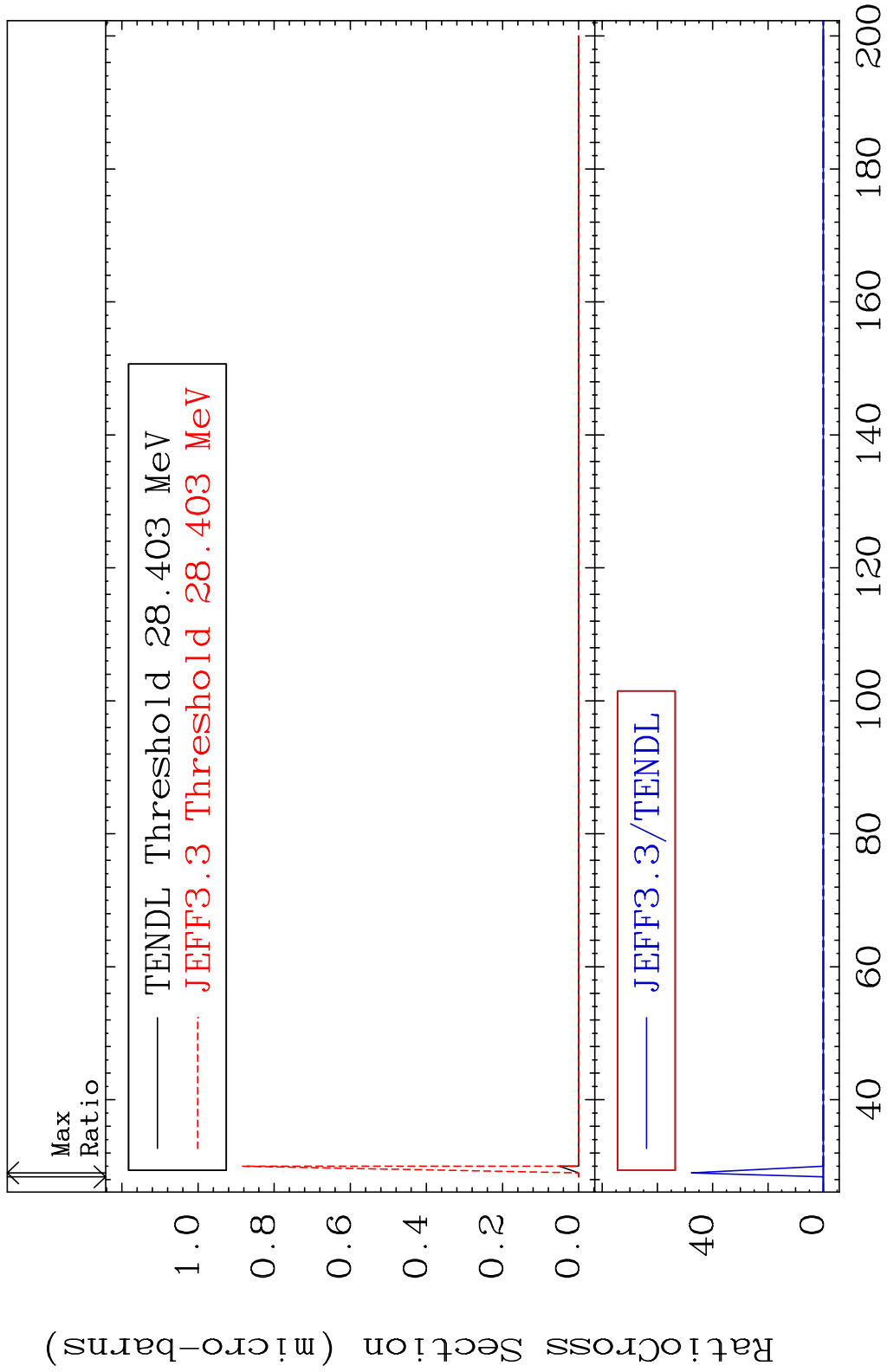
Cross Section -100.0 To 112.2 %



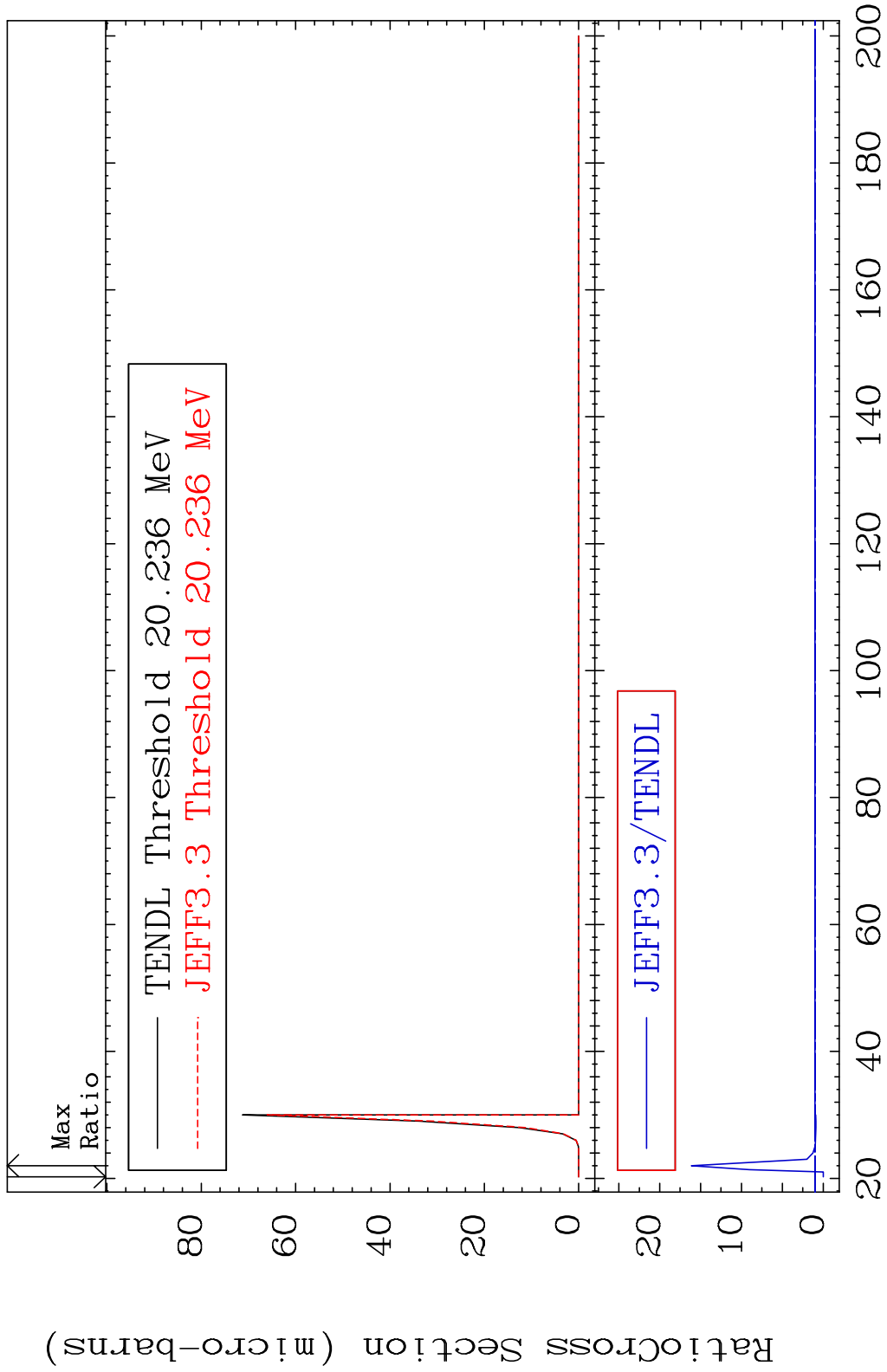
MAT 2837 (n,2n) p 28-Ni-62
 Cross Section -100.0 To 9999. %



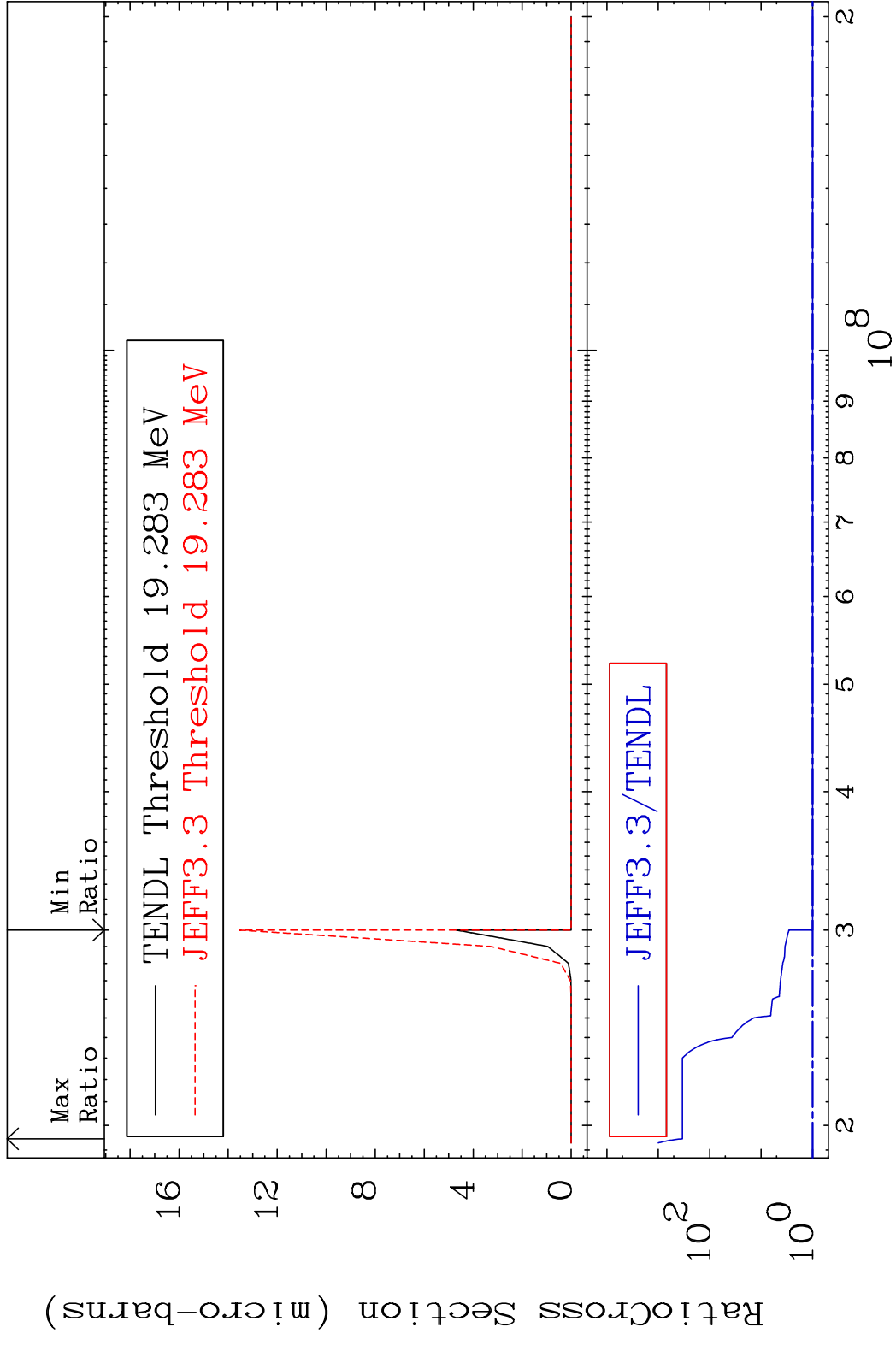
MAT 2837 (n,3n) p 28-Ni-62
 Cross Section -100.0 To 9999. %



MAT 2837 (n,2n) p 28-Ni-62
 Cross Section -100.0 To 1513. %

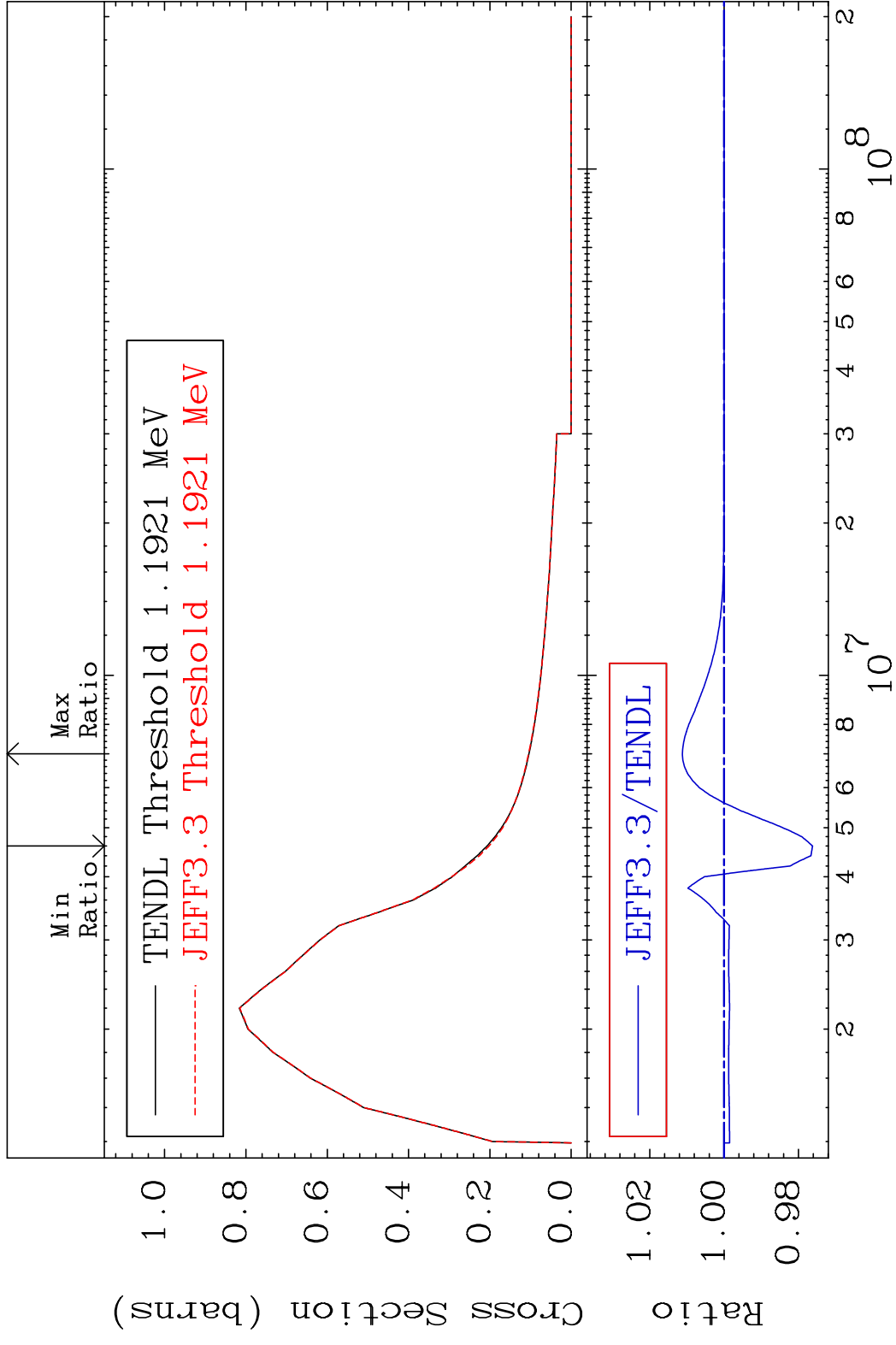


MAT 2837 (n,n') p α 28-Ni-62
 Cross Section 0.000 To 9999. %

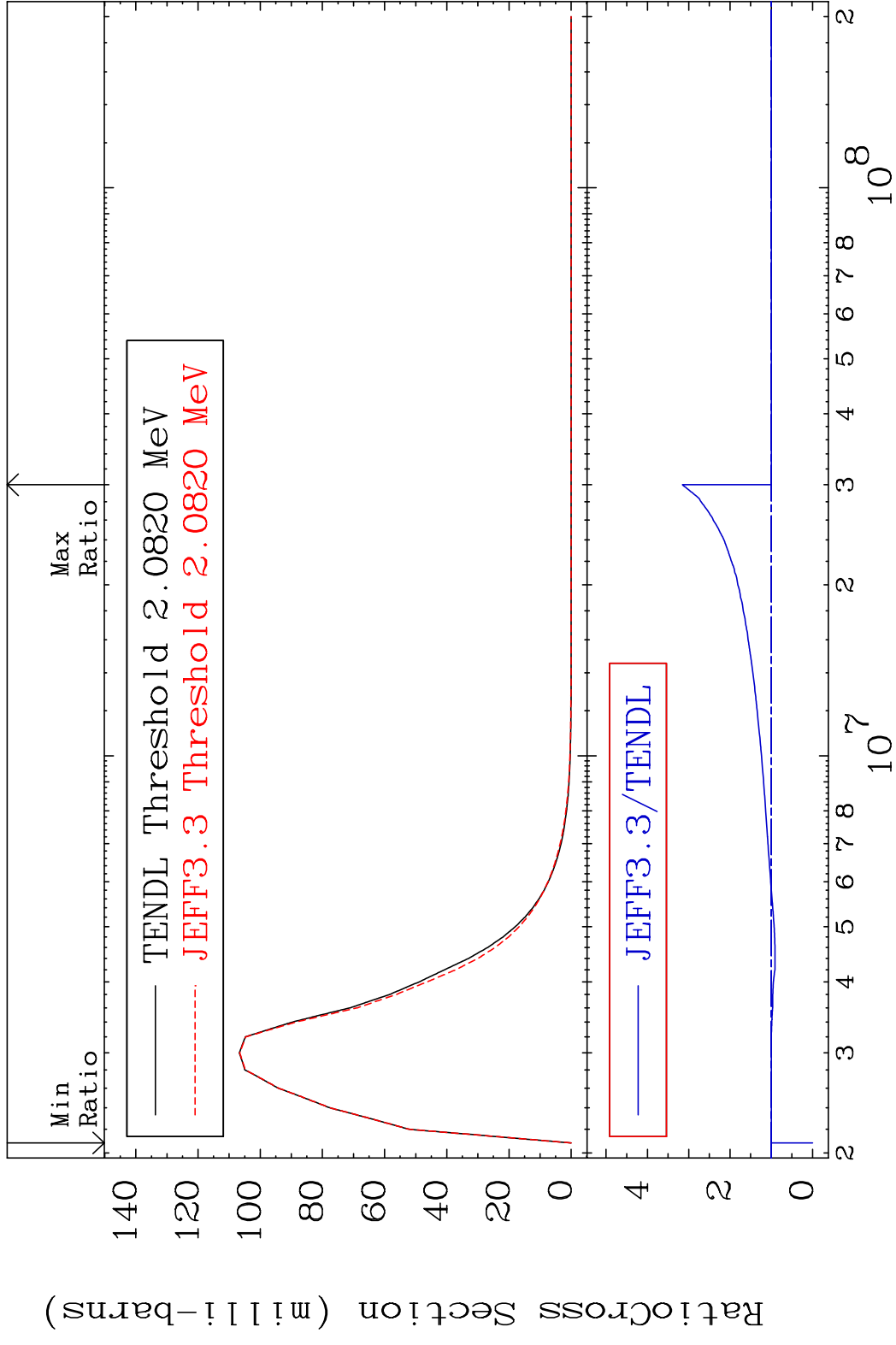


18 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 51 (n, n') Level 28-Ni-62
 Cross Section -2.379 To 1.121 %

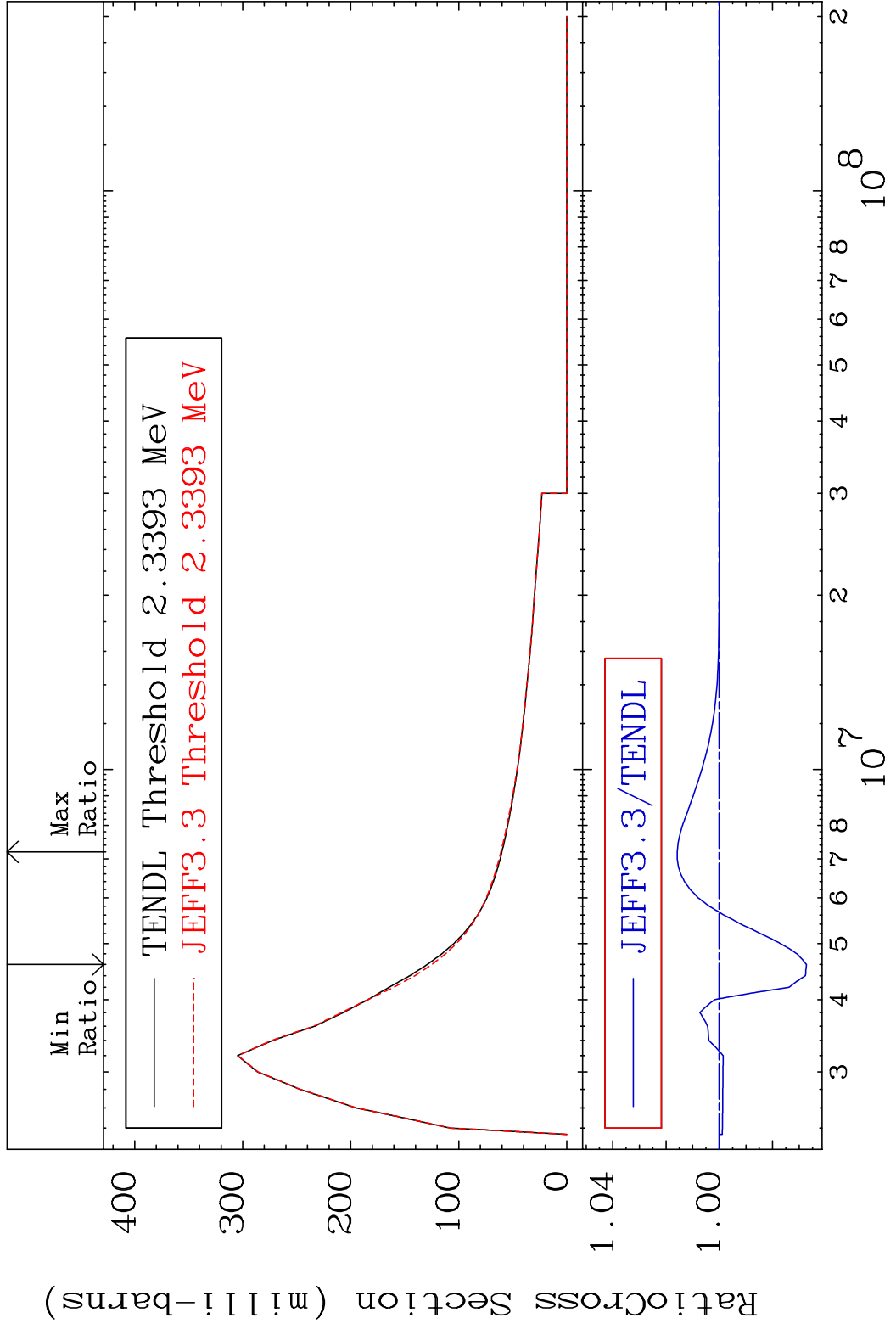


MAT 2837 MT= 52 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 215.3 %

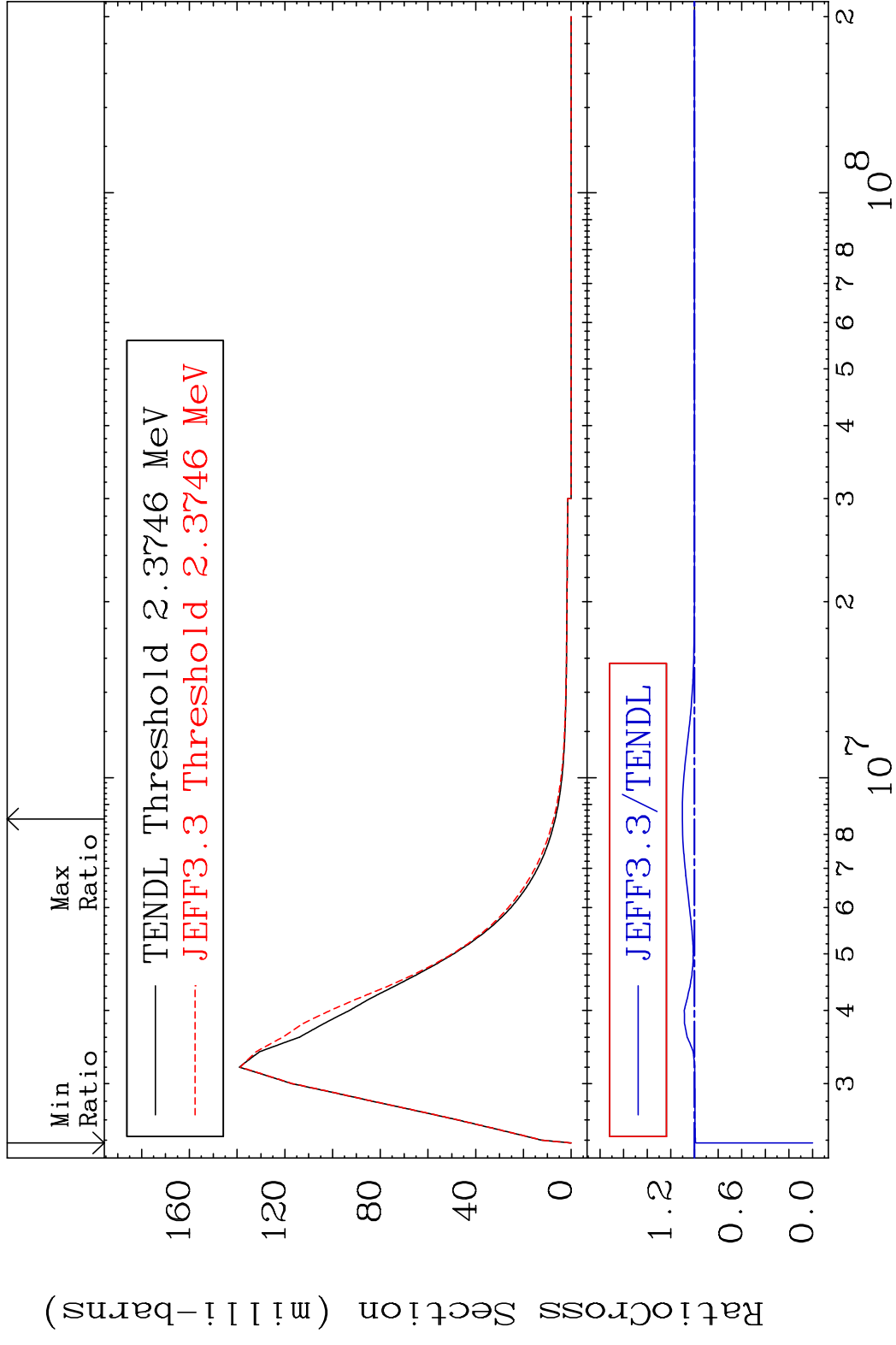


20 Incident Energy (eV) 28-Ni-62

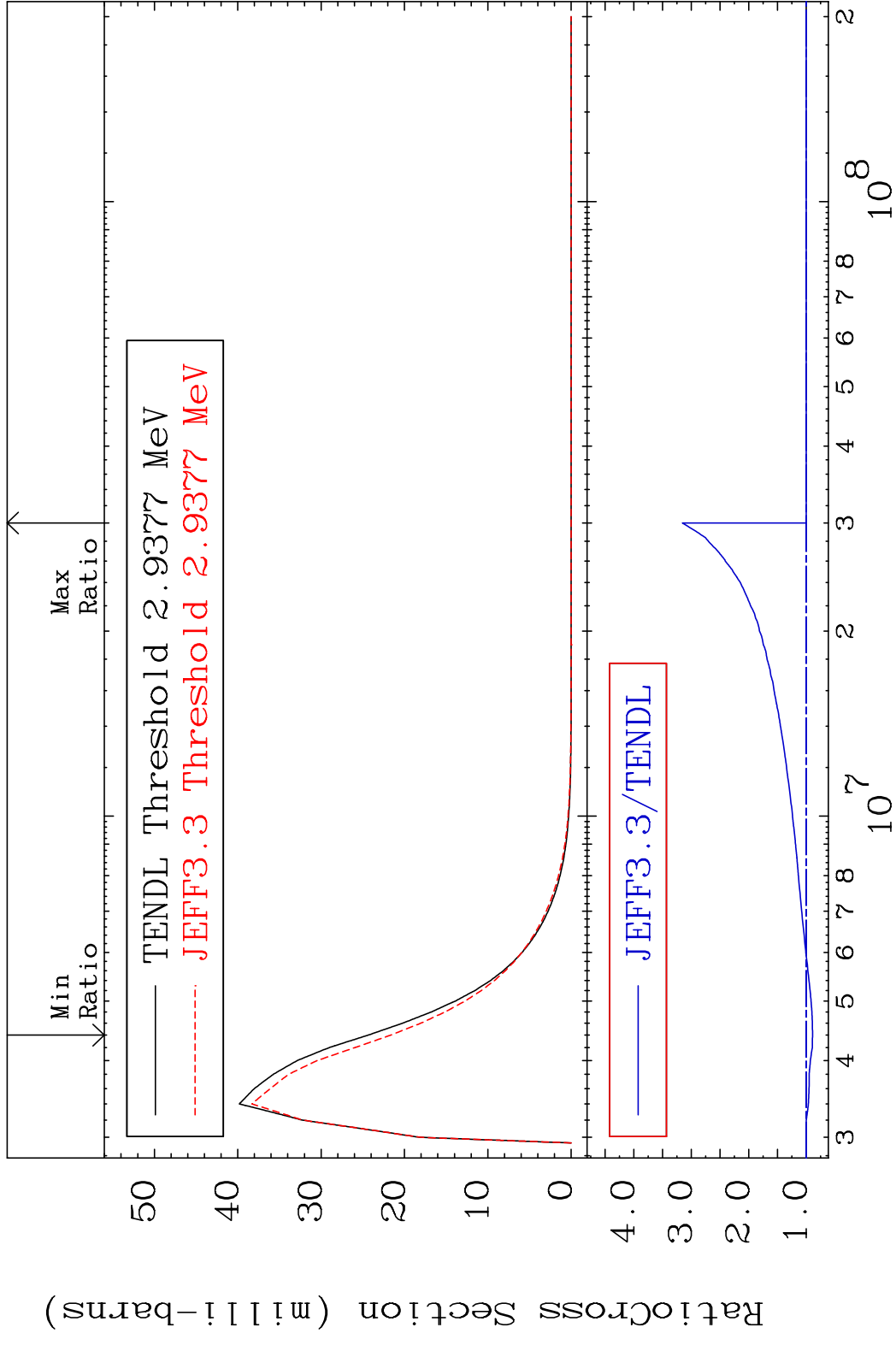
MAT 2837 MT= 53 (n, n') Level 28-Ni-62
 Cross Section -3.272 To 1.581 %



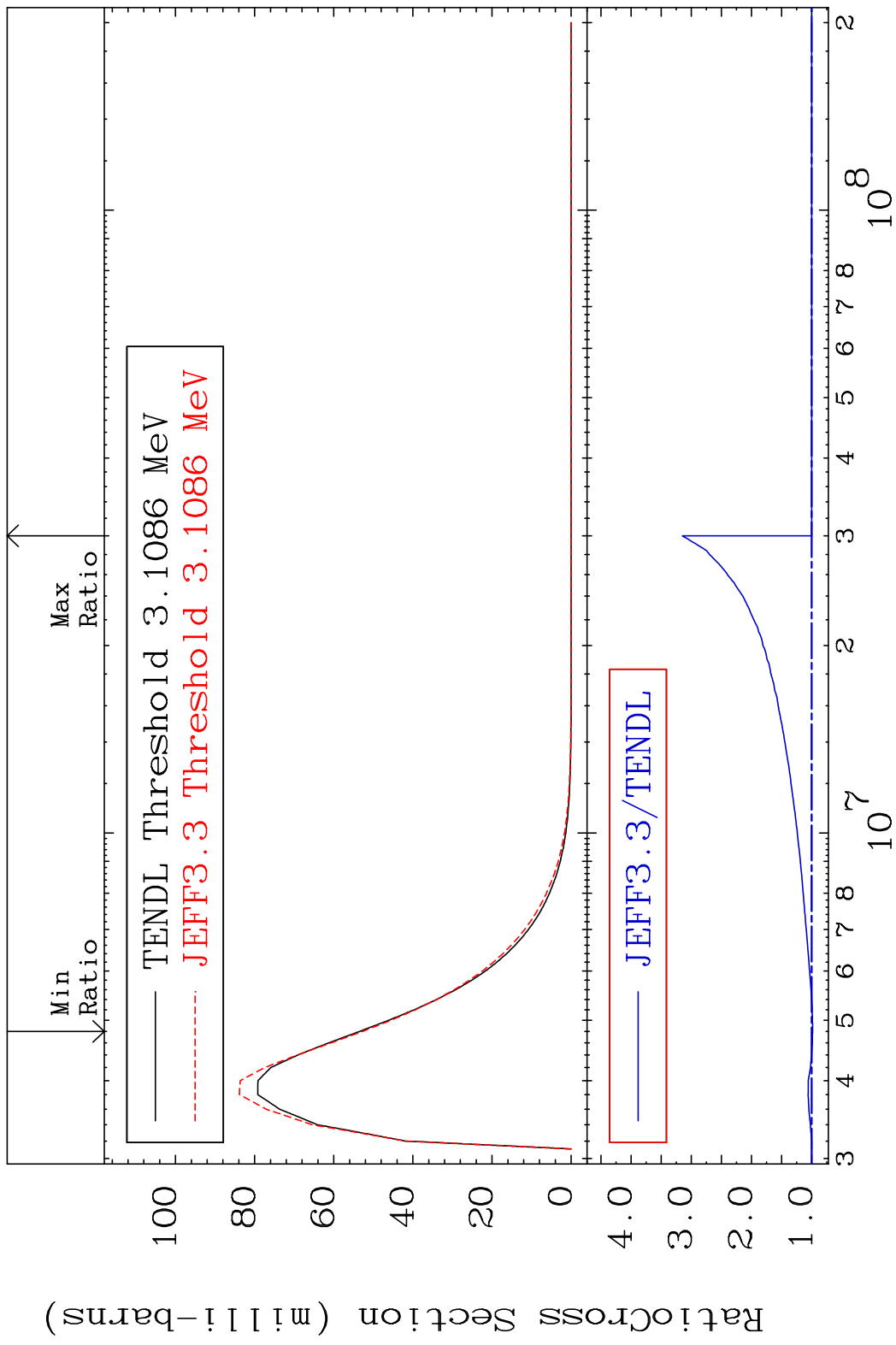
MAT 2837 MT= 54 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 10.27 %



MAT 2837 MT= 55 (n, n') Level 28-Ni-62
 Cross Section -11.11 To 215.5 %



MAT 2837 MT= 56 (n, n') Level 28-Ni-62
 Cross Section -1.443 To 214.8 %



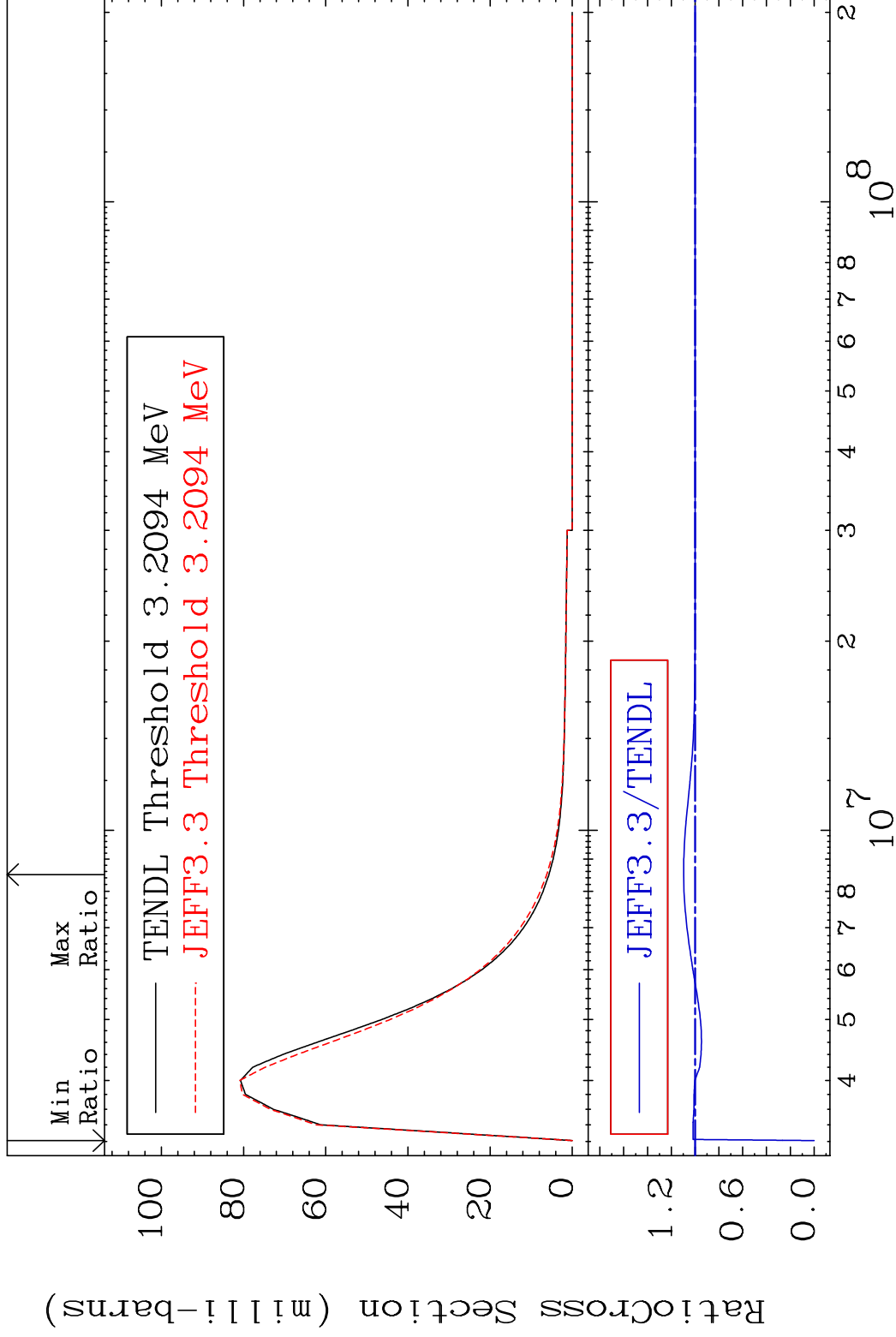
24 Incident Energy (eV) 28-Ni-62

MAT 2837

MT= 57 (n, n') Level

28-Ni-62

Cross Section -100.0 To 9.615 %

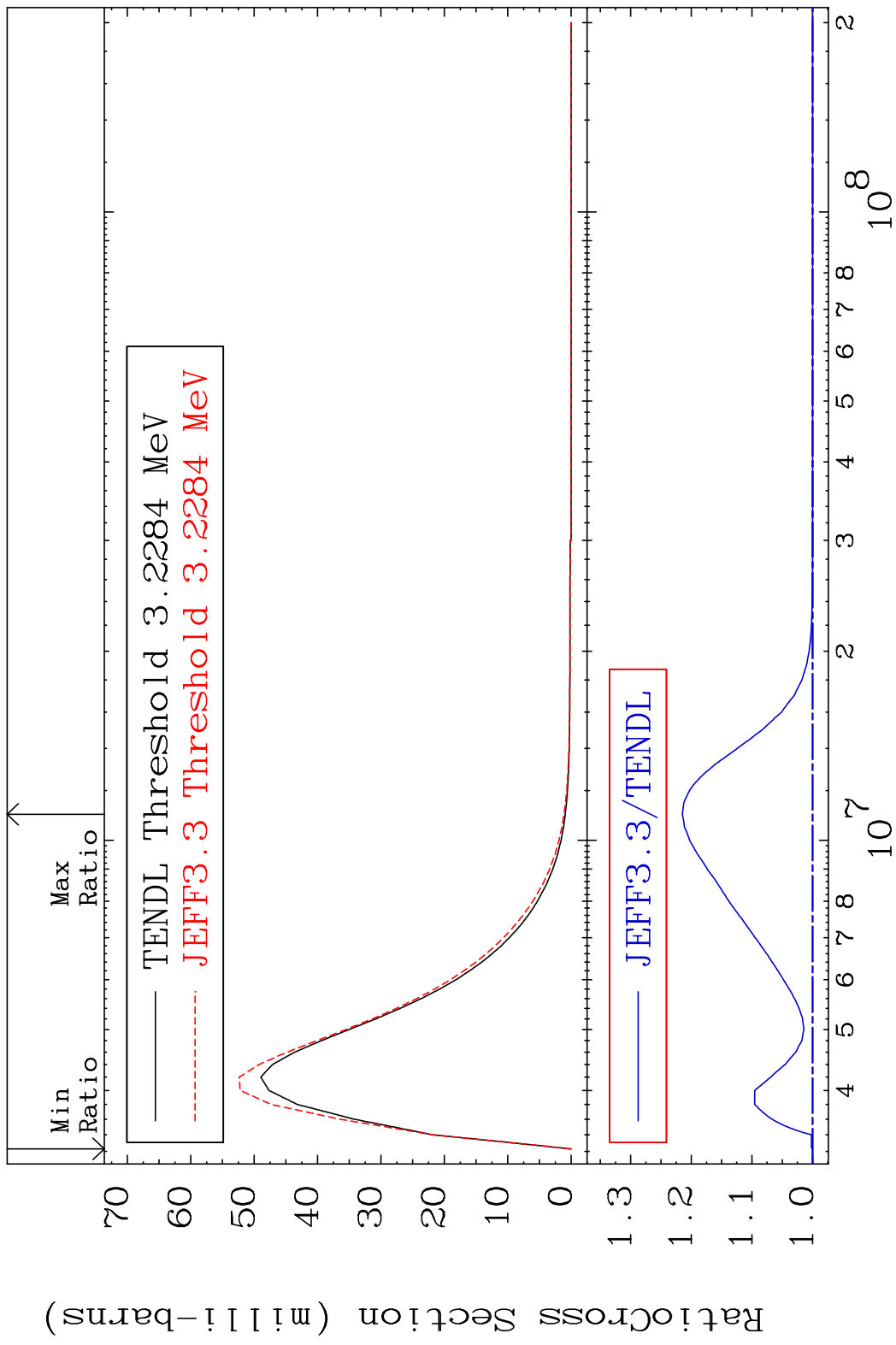


25

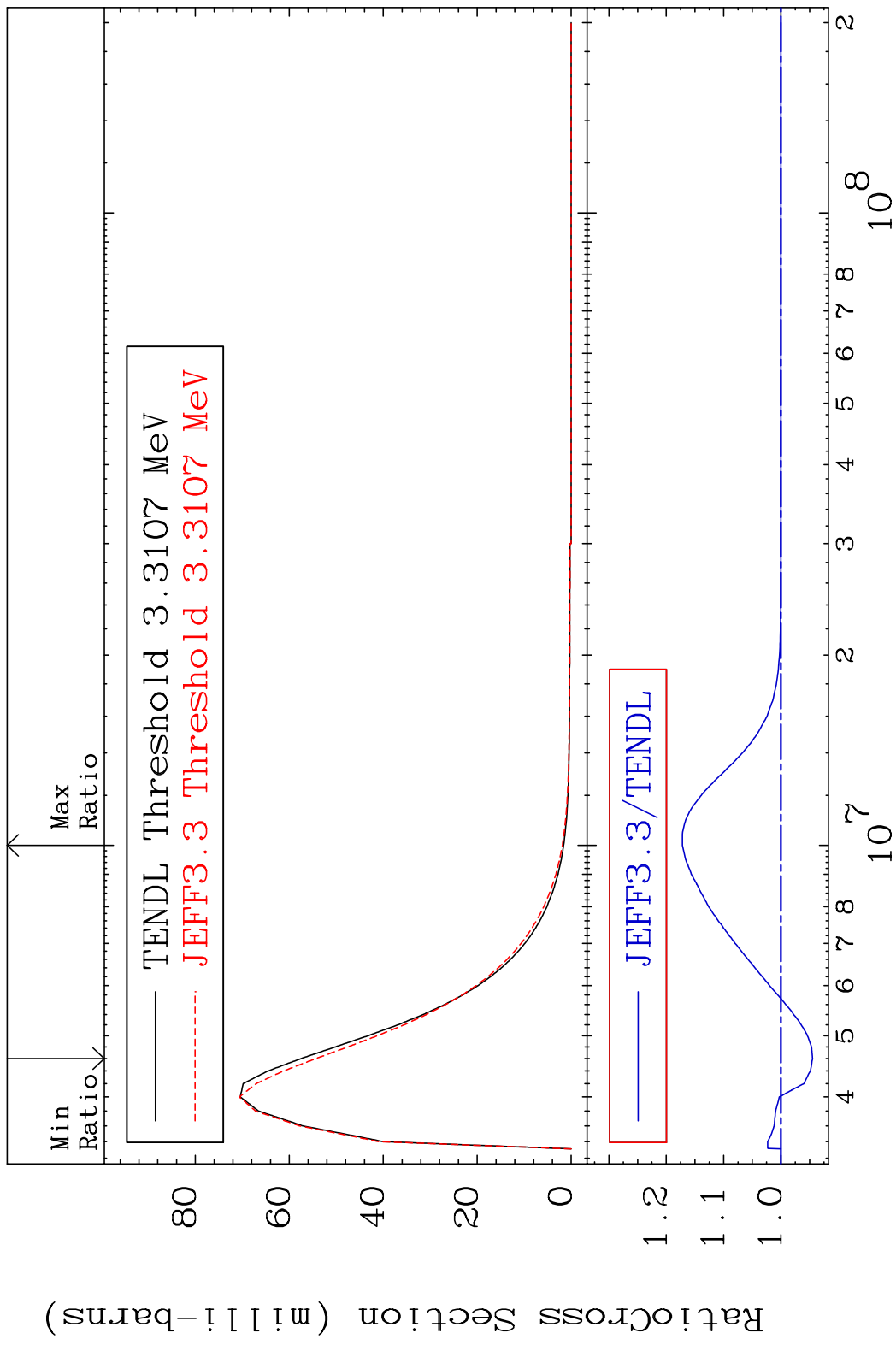
Incident Energy (eV)

28-Ni-62

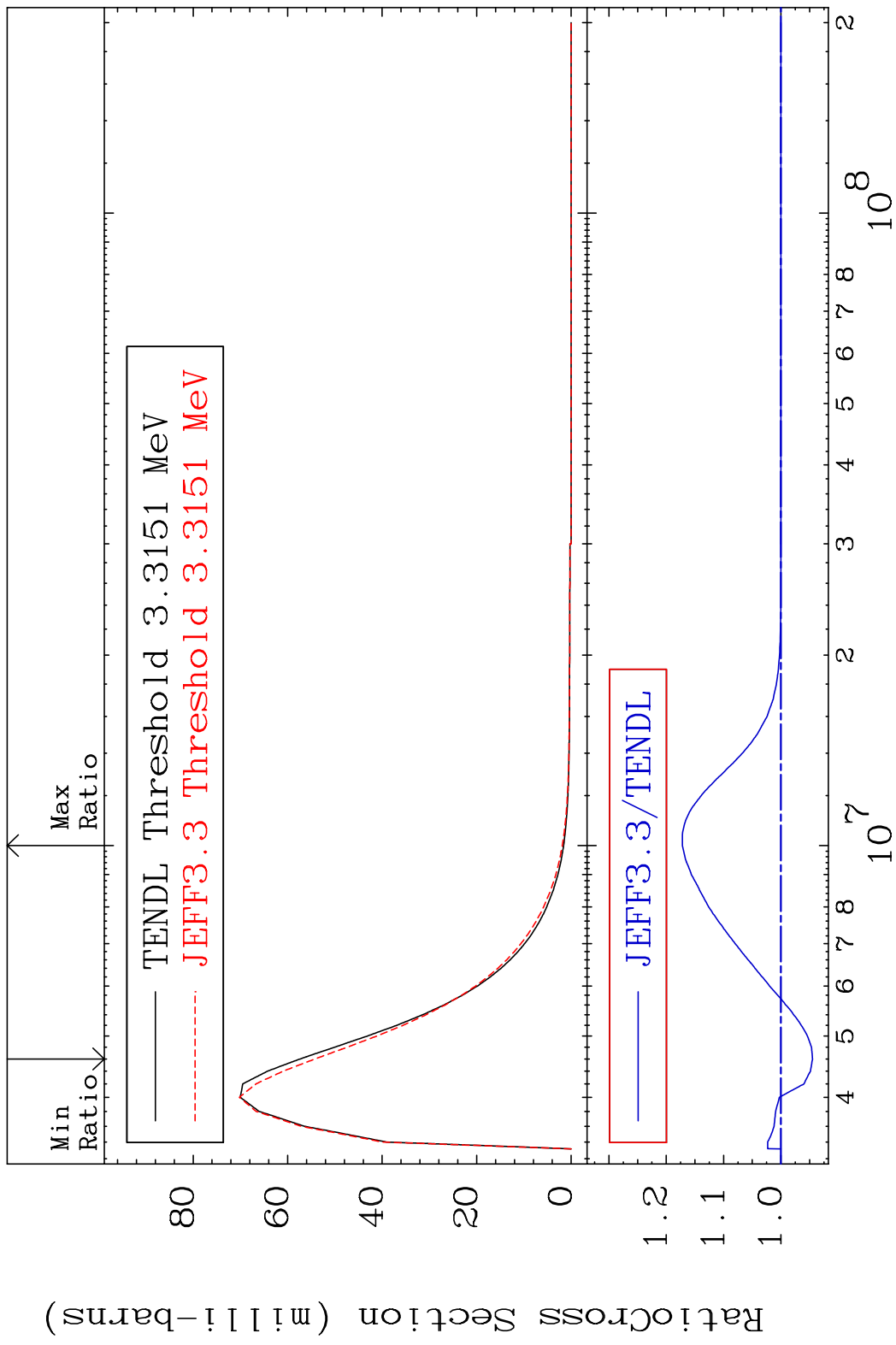
MAT 2837 MT= 58 (n, n') Level 28-Ni-62
 Cross Section 0.000 To 21.48 %



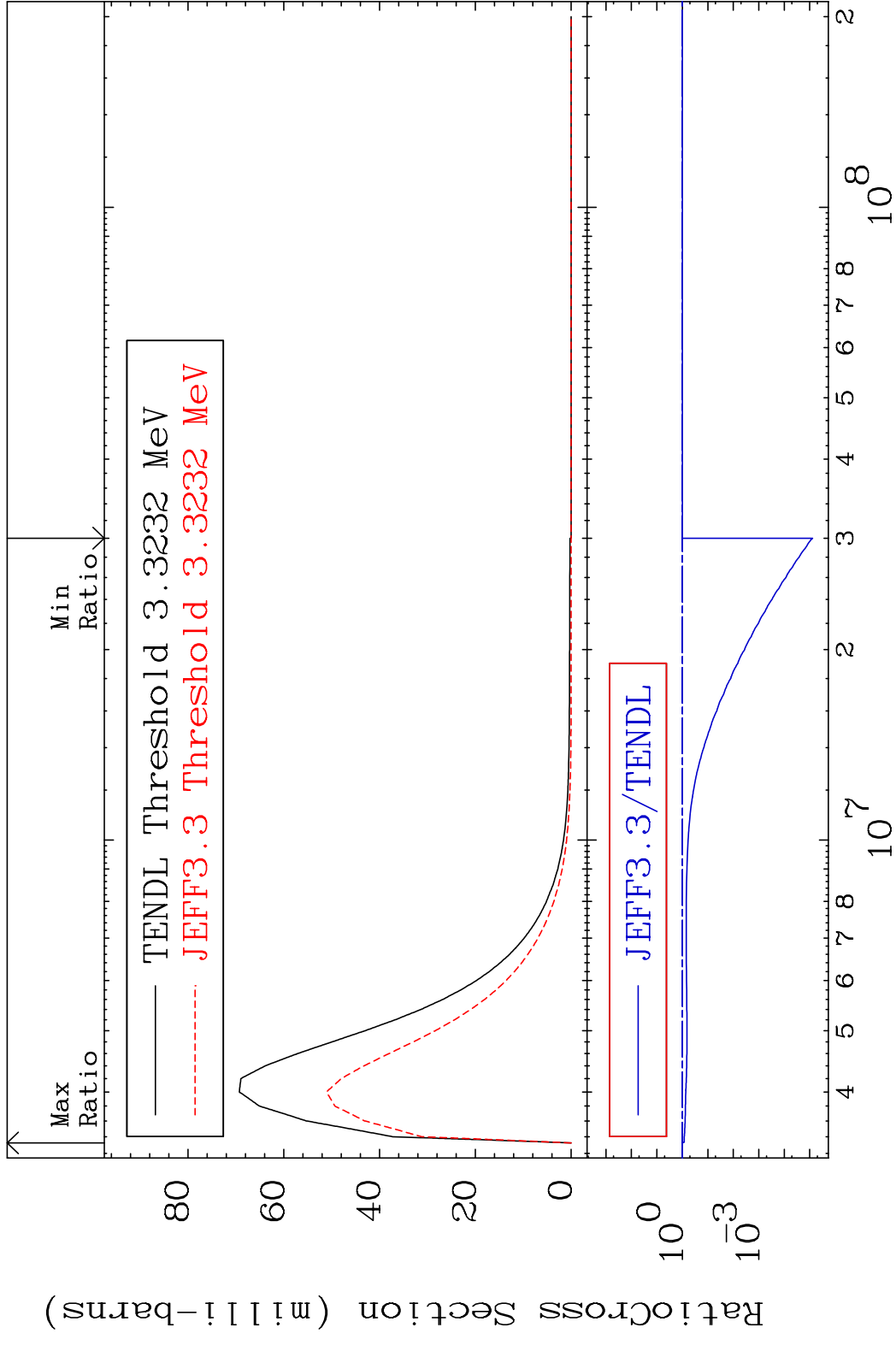
MAT 2837 MT= 59 (n, n') Level 28-Ni-62
 Cross Section -5.513 To 17.19 %



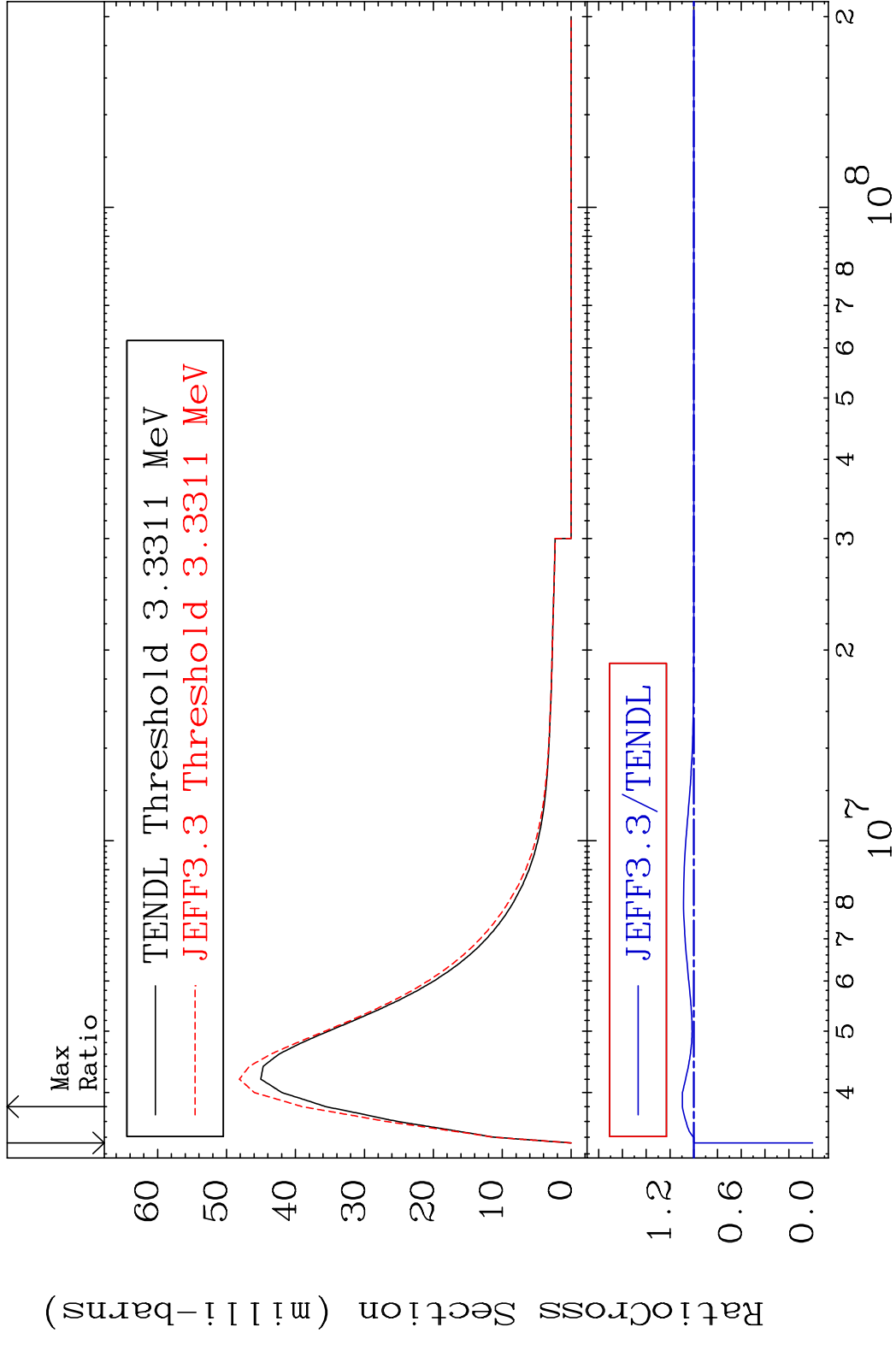
MAT 2837 MT= 60 (n, n') Level 28-Ni-62
 Cross Section -5.515 To 17.19 %



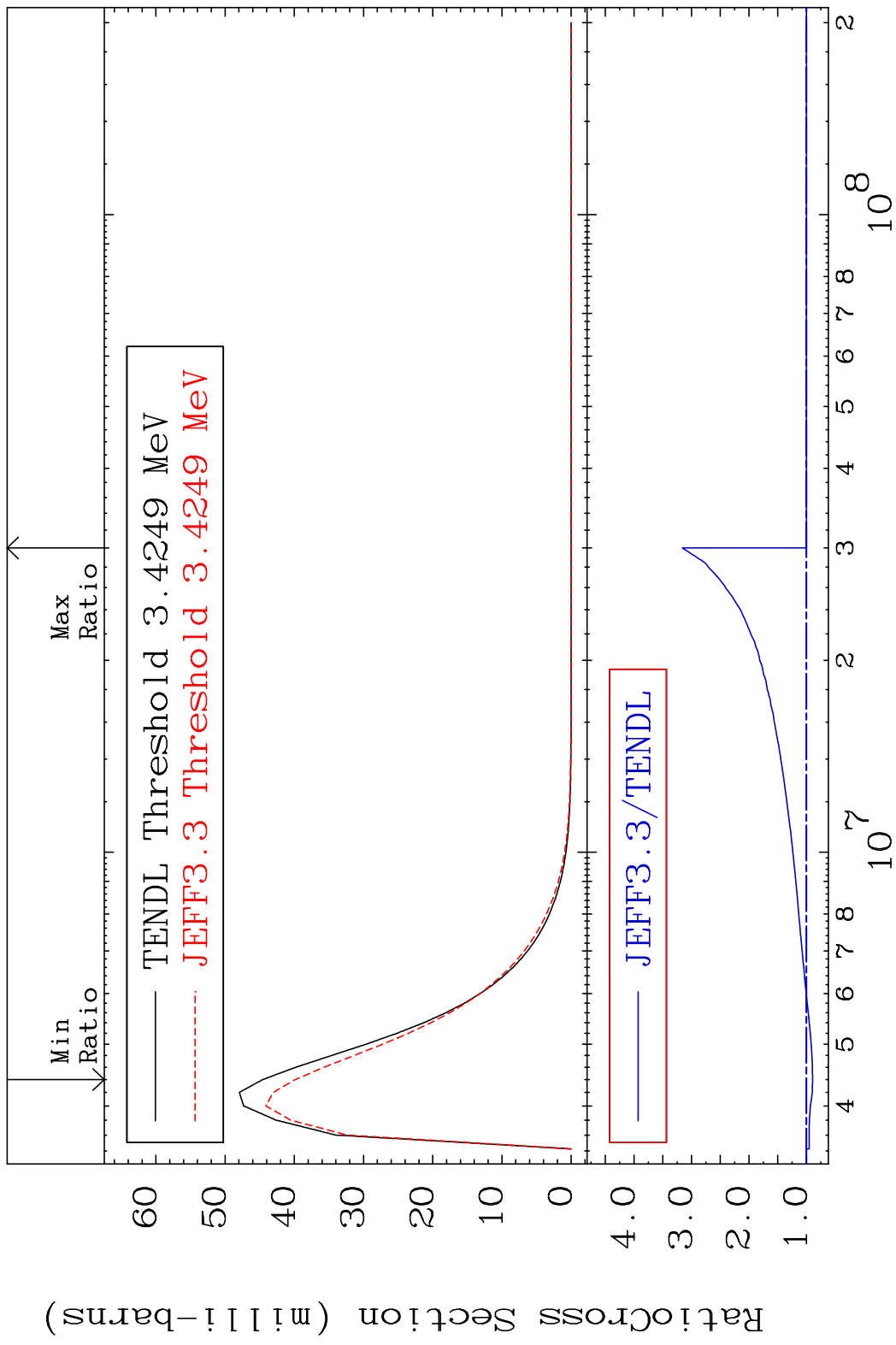
MAT 2837 MT= 61 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 0.000 %



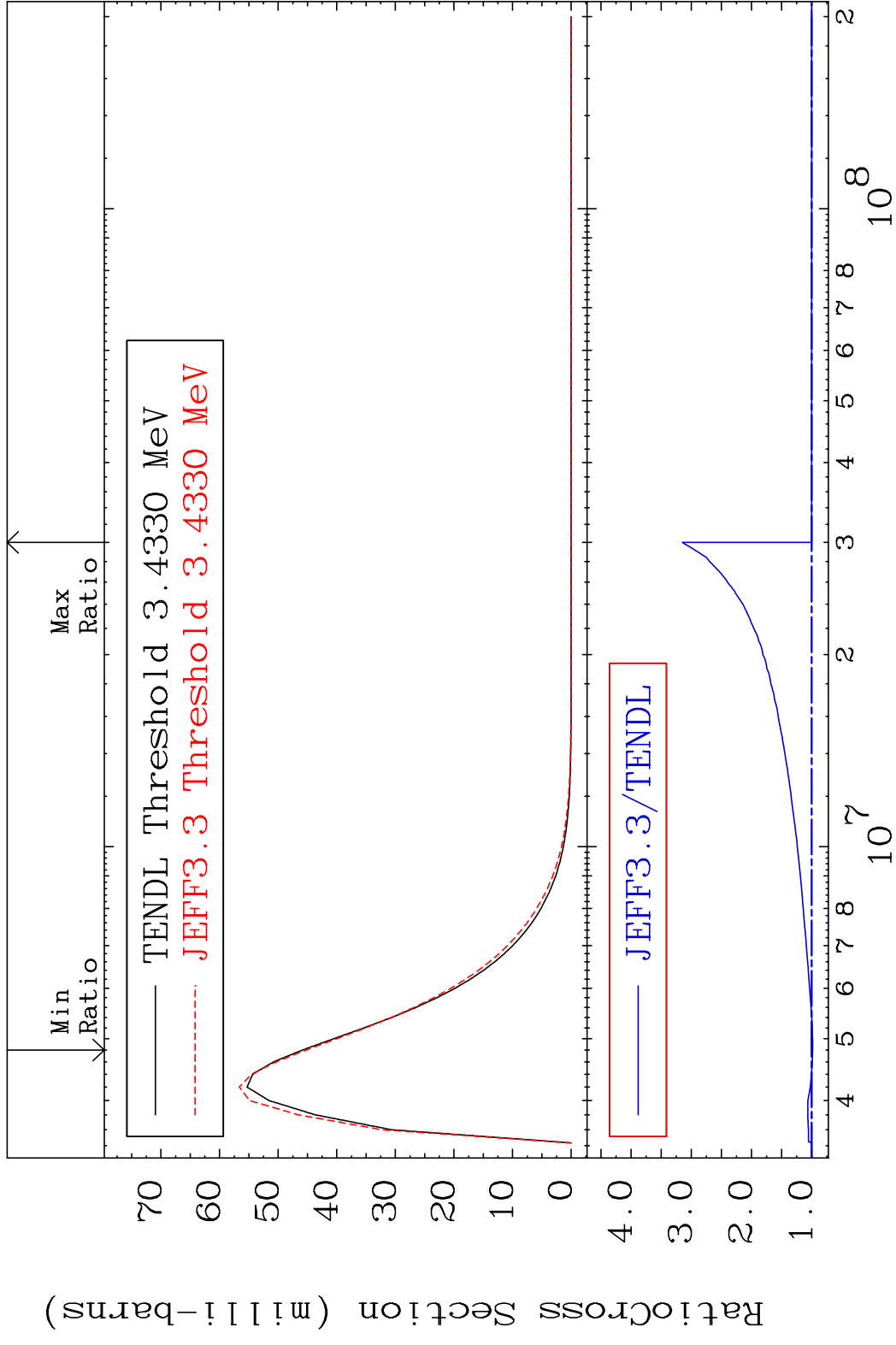
MAT 2837 MT= 62 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 9.599 %



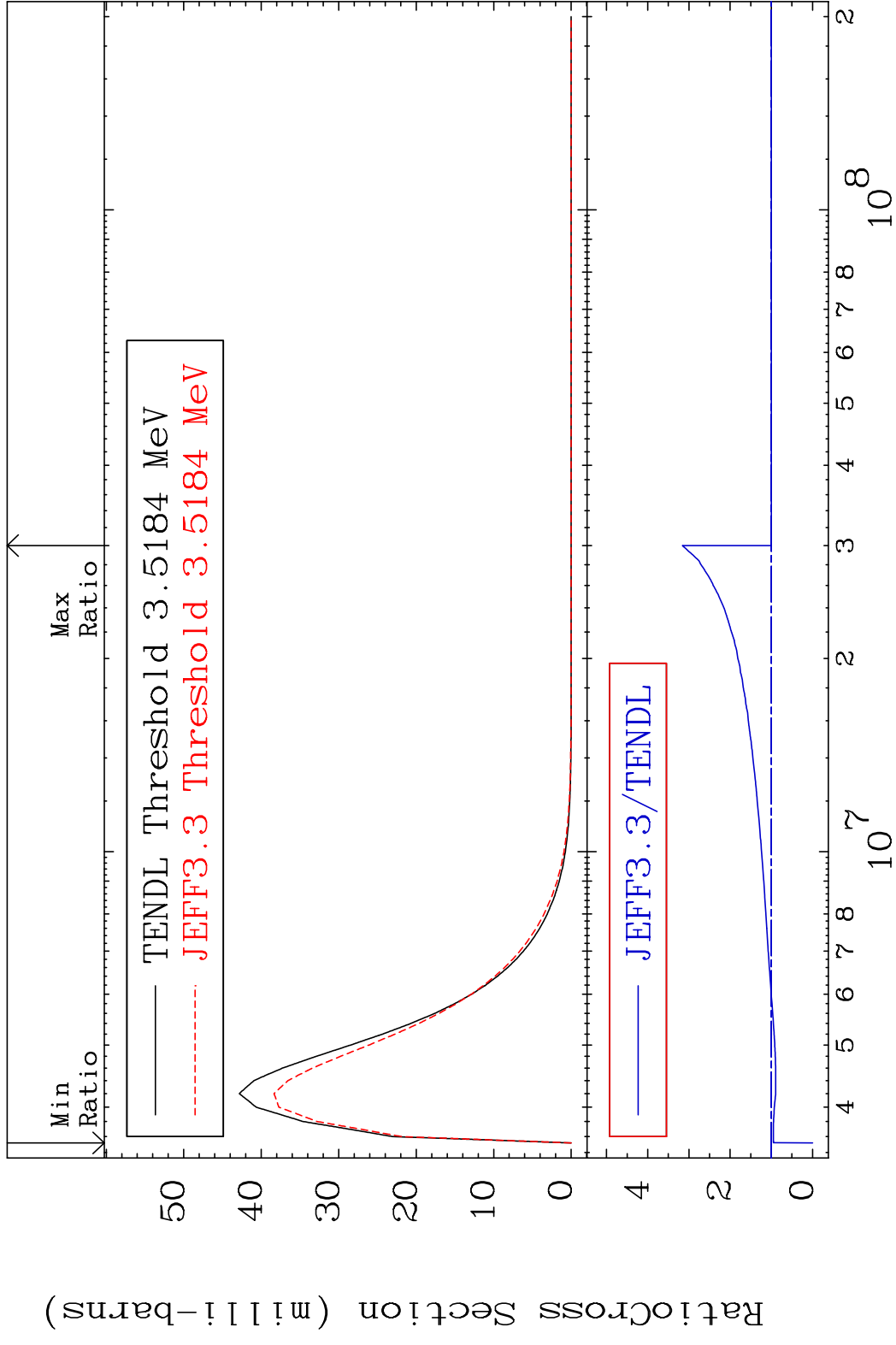
MAT 2837 MT= 63 (n, n') Level 28-Ni-62
 Cross Section -10.57 To 215.9 %



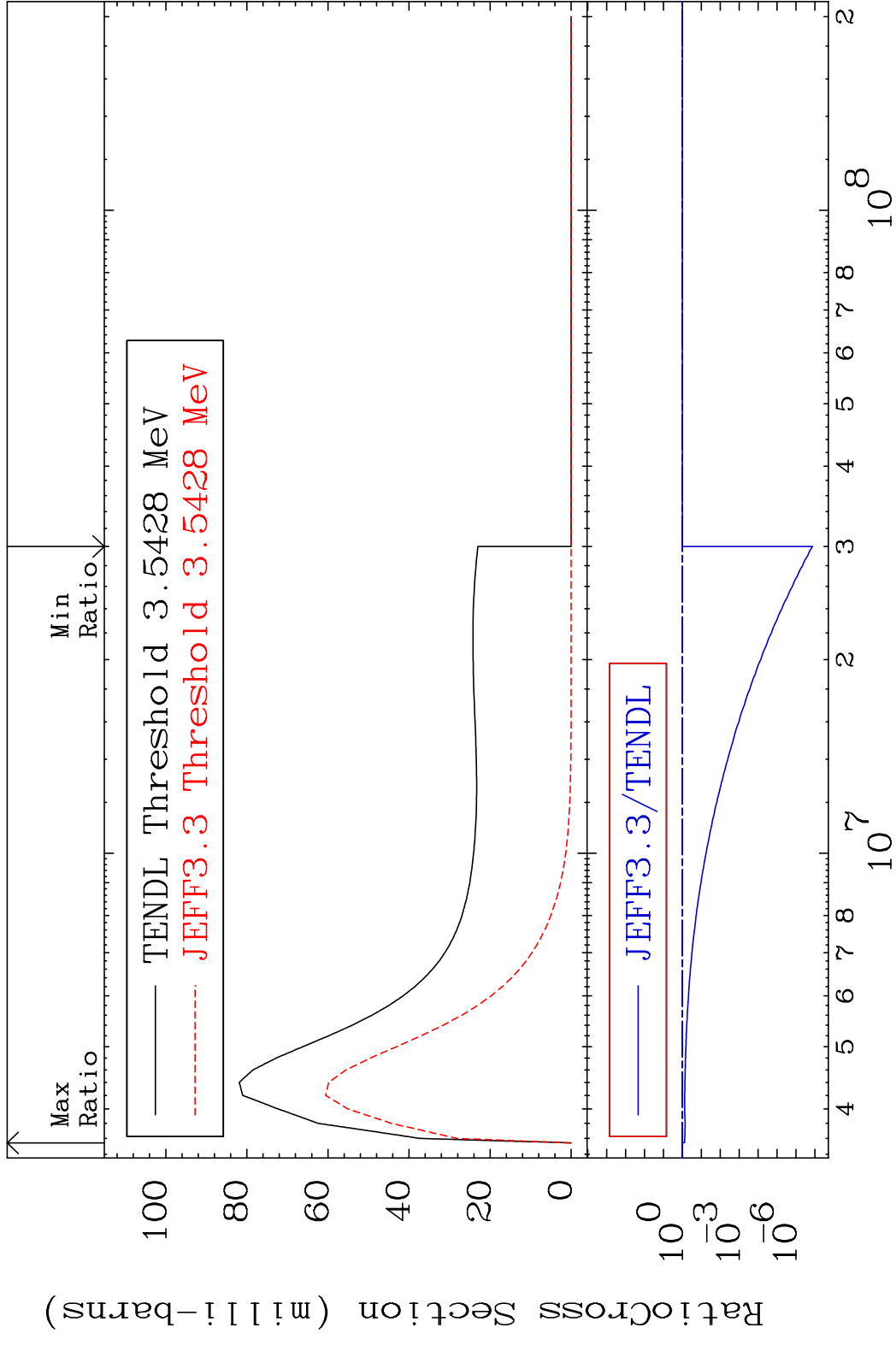
MAT 2837 MT= 64 (n,n') Level 28-Ni-62
 Cross Section -1.389 To 214.8 %



MAT 2837 MT= 65 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 215.9 %



MAT 2837 MT= 66 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 0.000 %

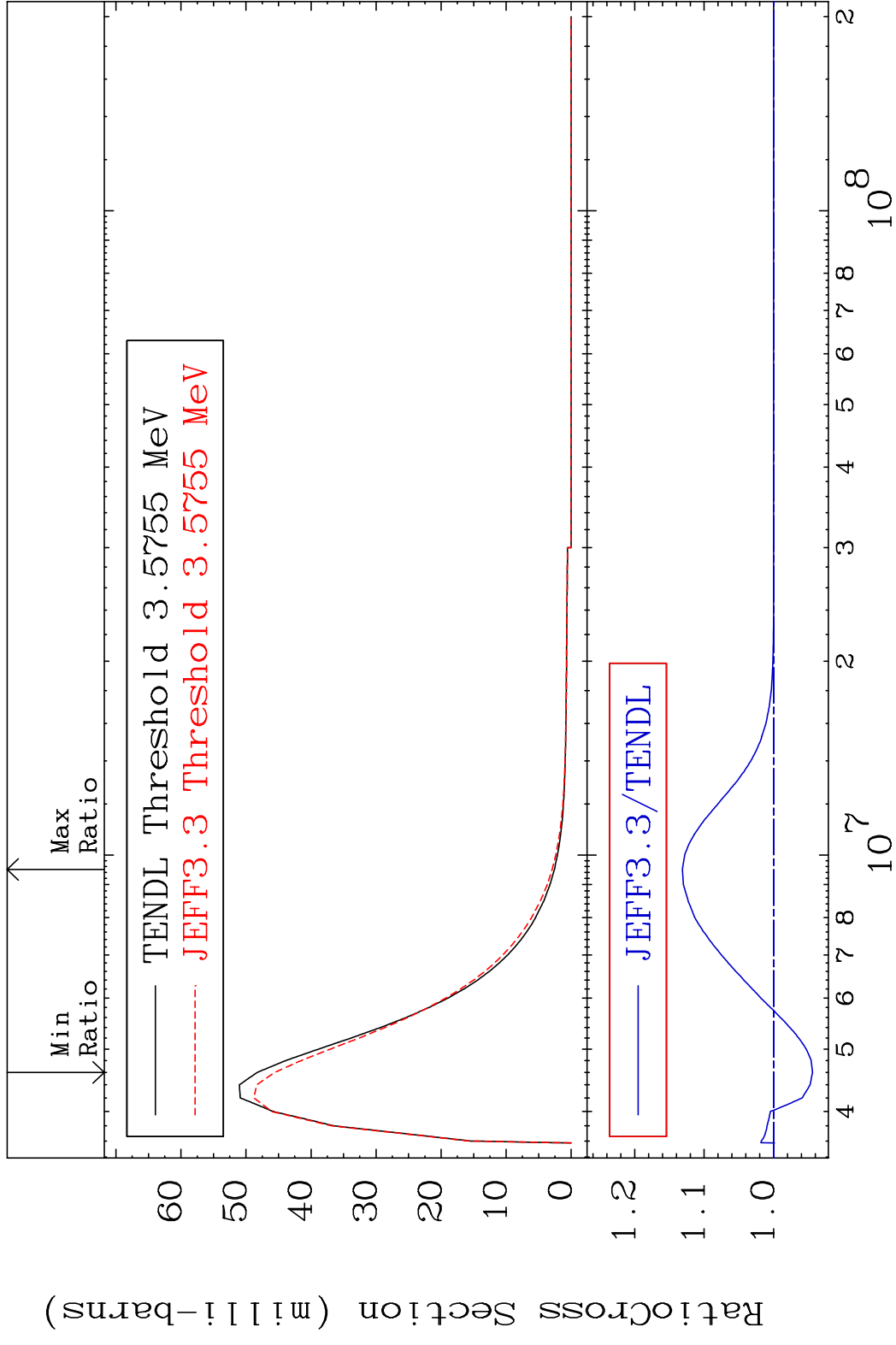


MAT 2837

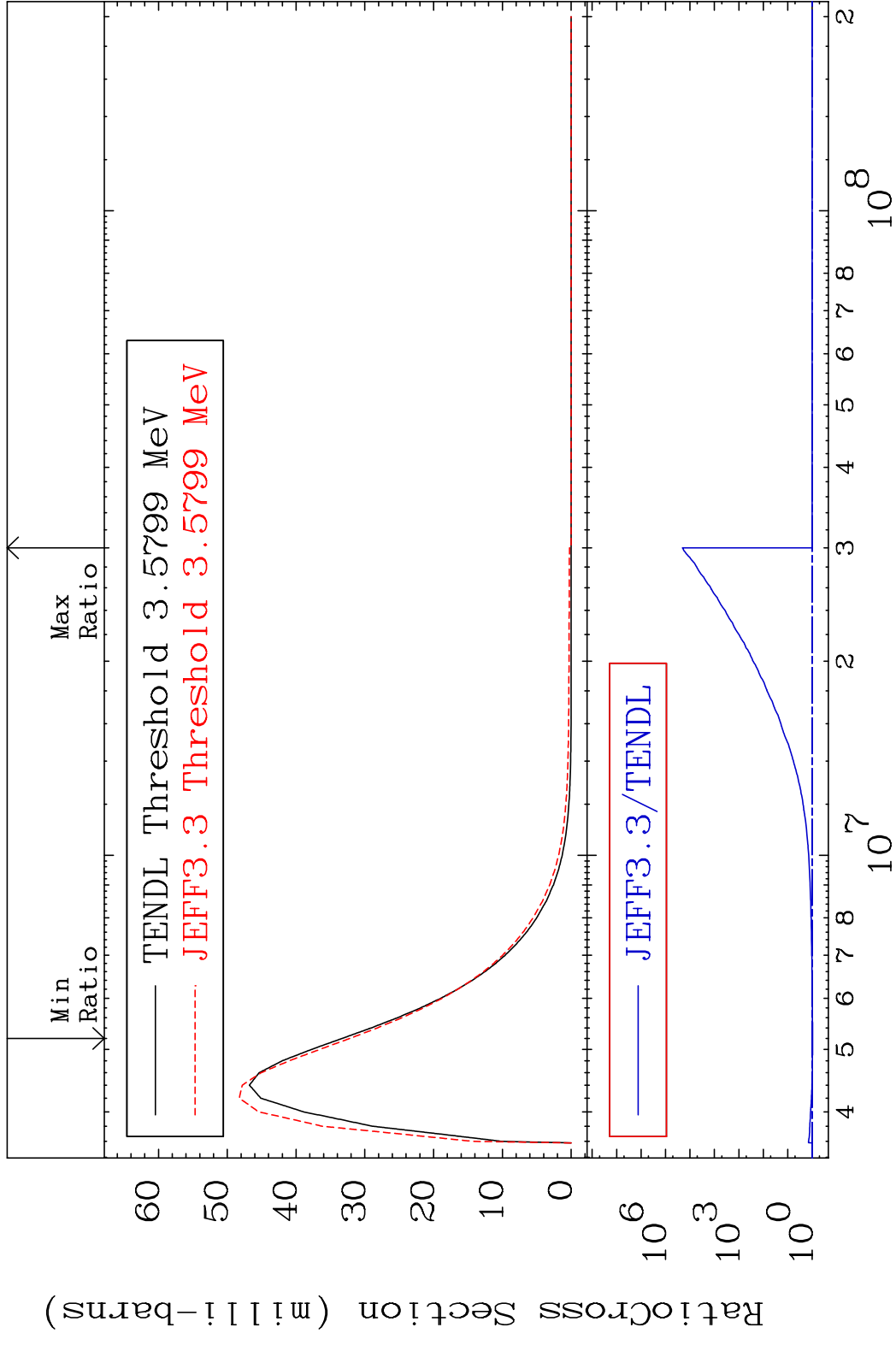
MT= 67 (n, n') Level

28-Ni-62

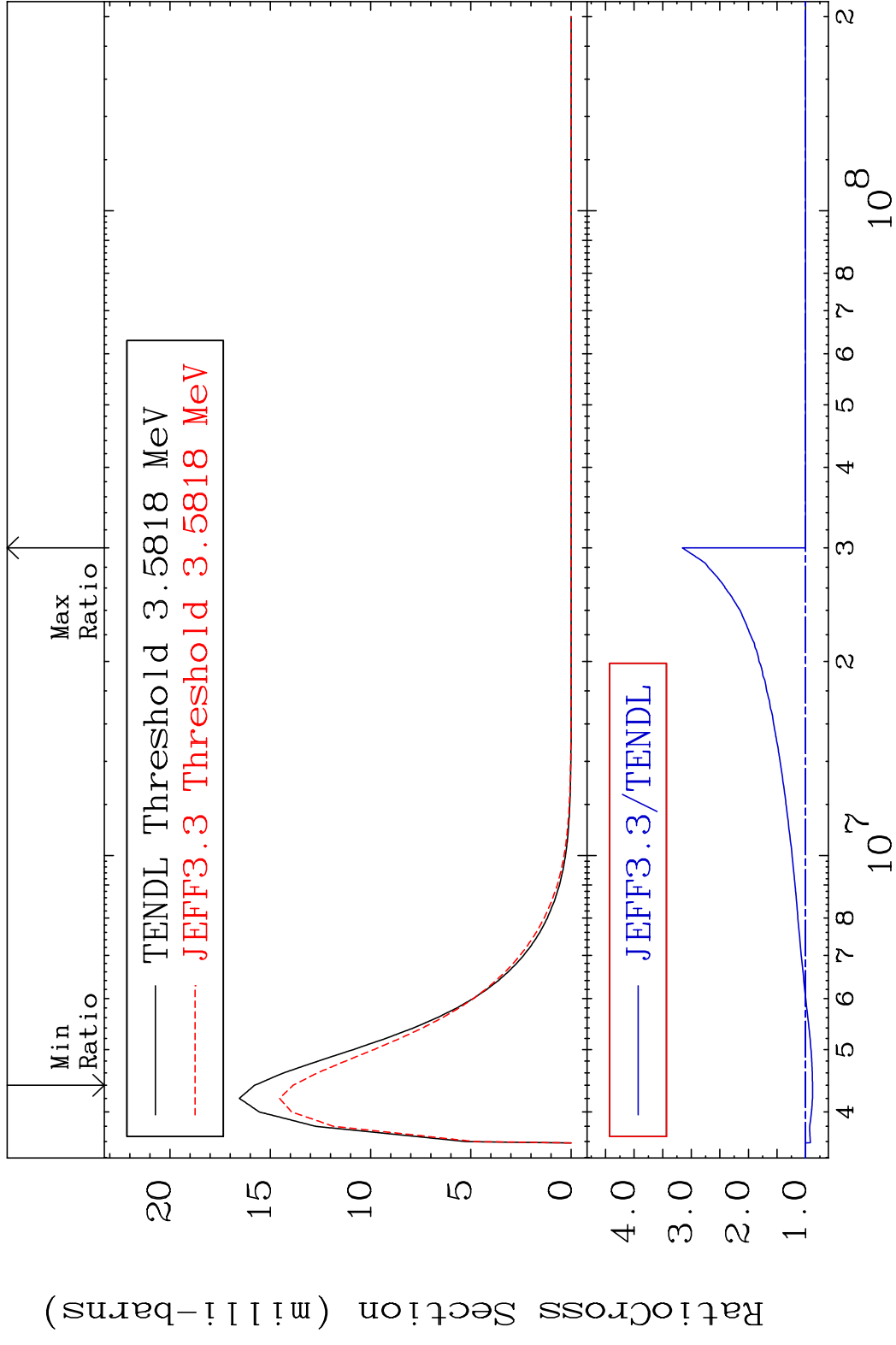
Cross Section -5.593 To 13.14 %



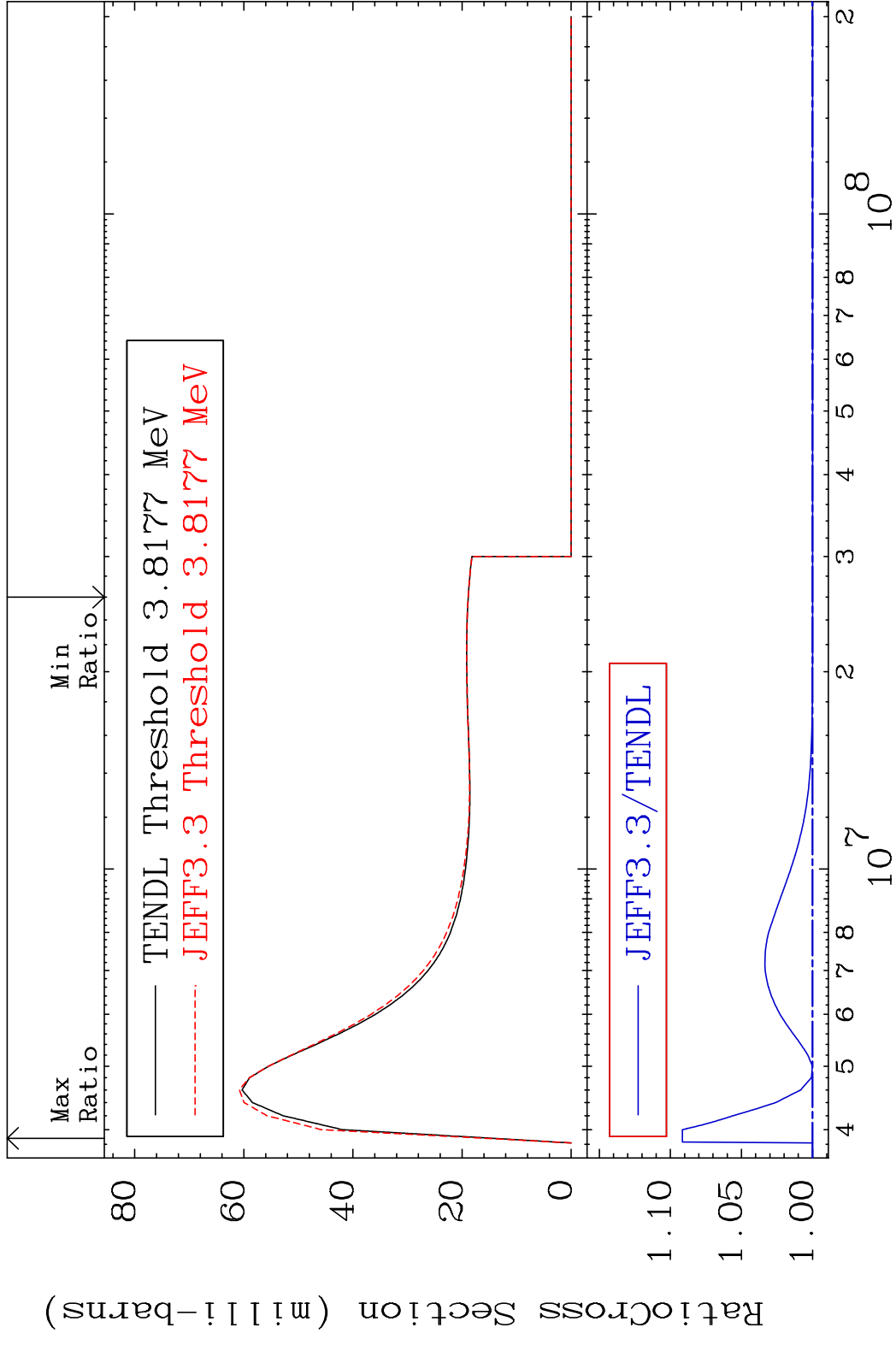
MAT 2837 MT= 68 (n, n') Level 28-Ni-62
 Cross Section -3.371 To 9999. %



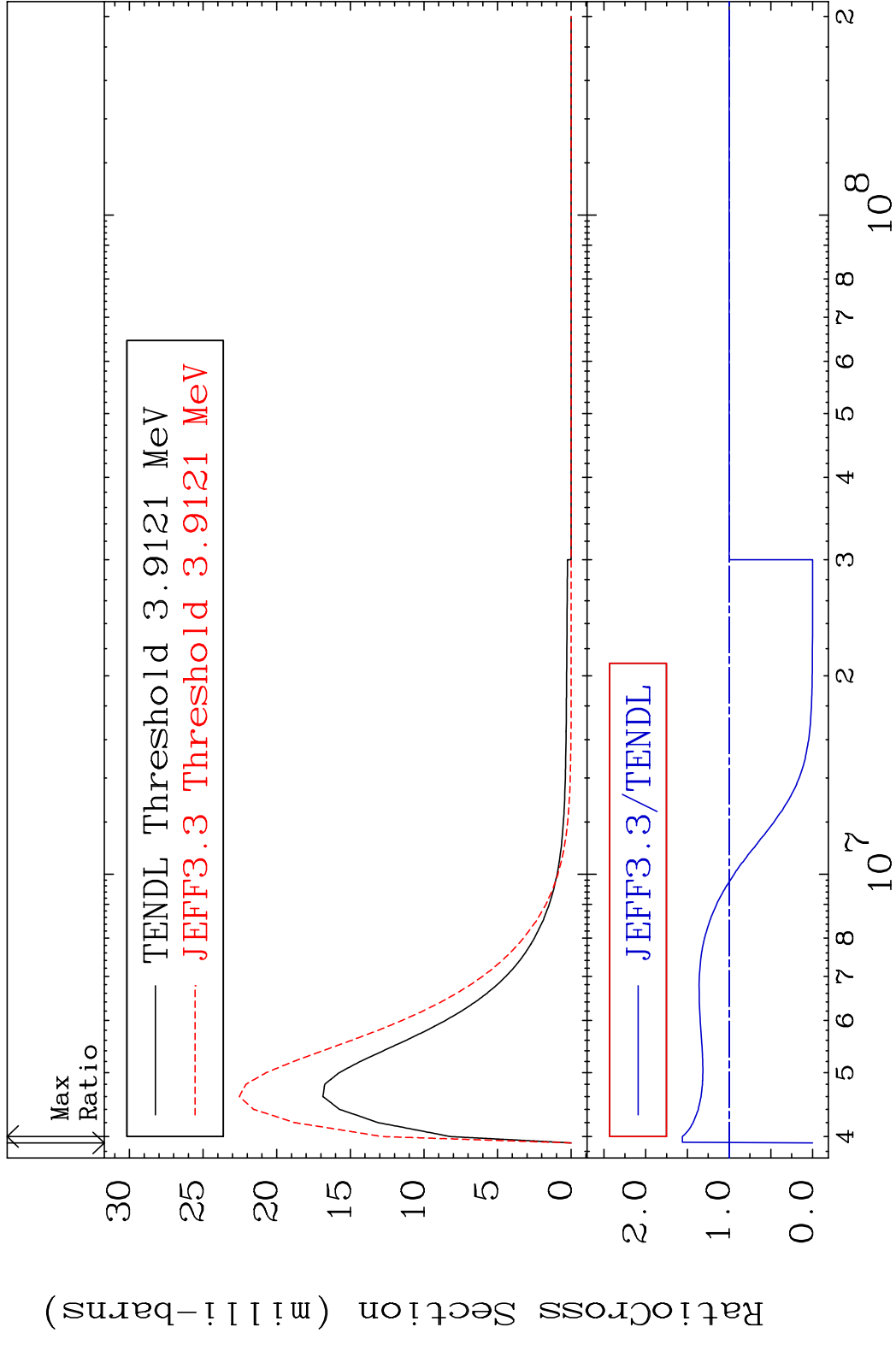
MAT 2837 MT= 69 (n, n') Level 28-Ni-62
 Cross Section -12.18 To 215.6 %



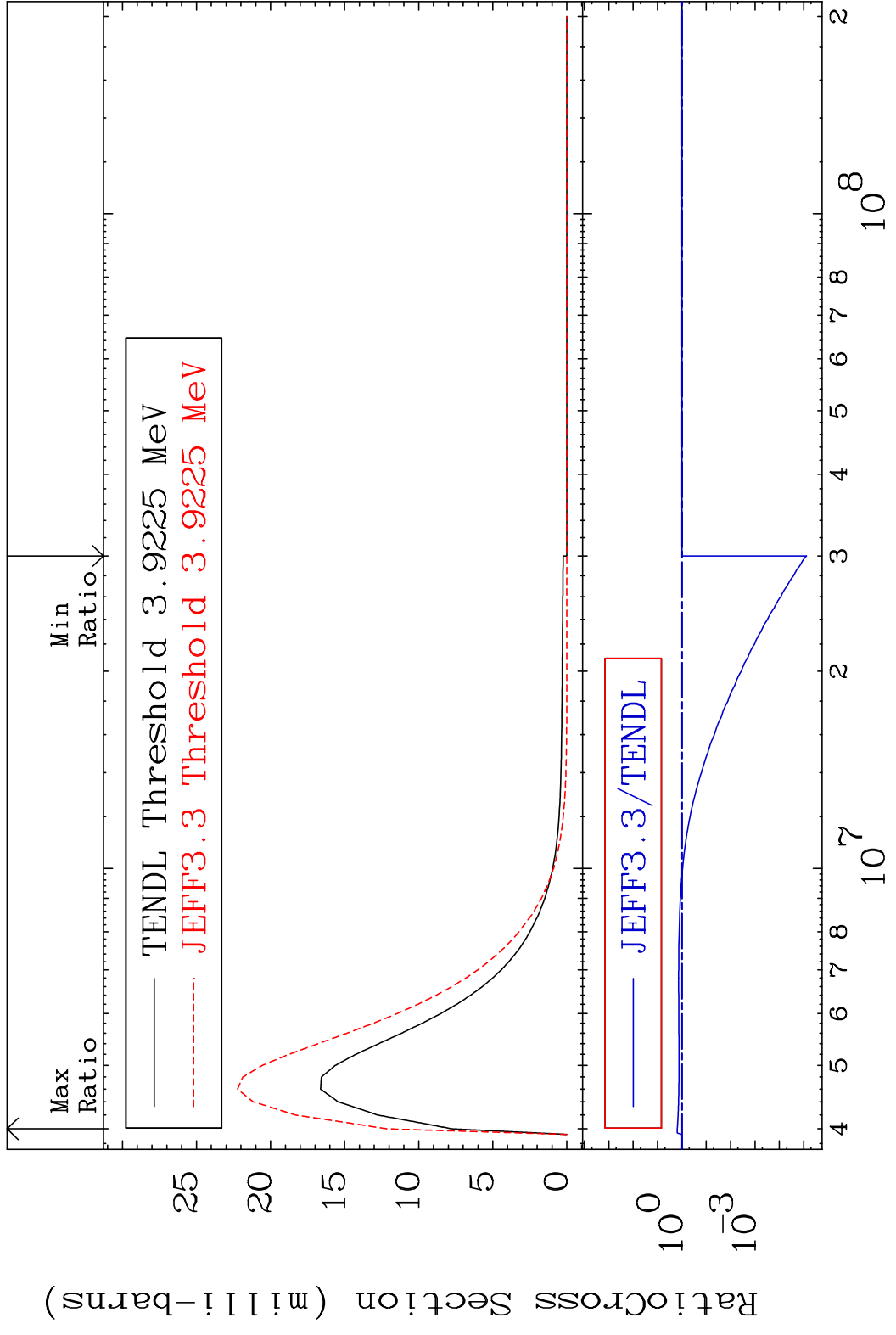
MAT 2837 MT= 70 (n,n') Level 28-Ni-62
 Cross Section 0.000 To 9.160 %



MAT 2837 MT= 71 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 56.06 %

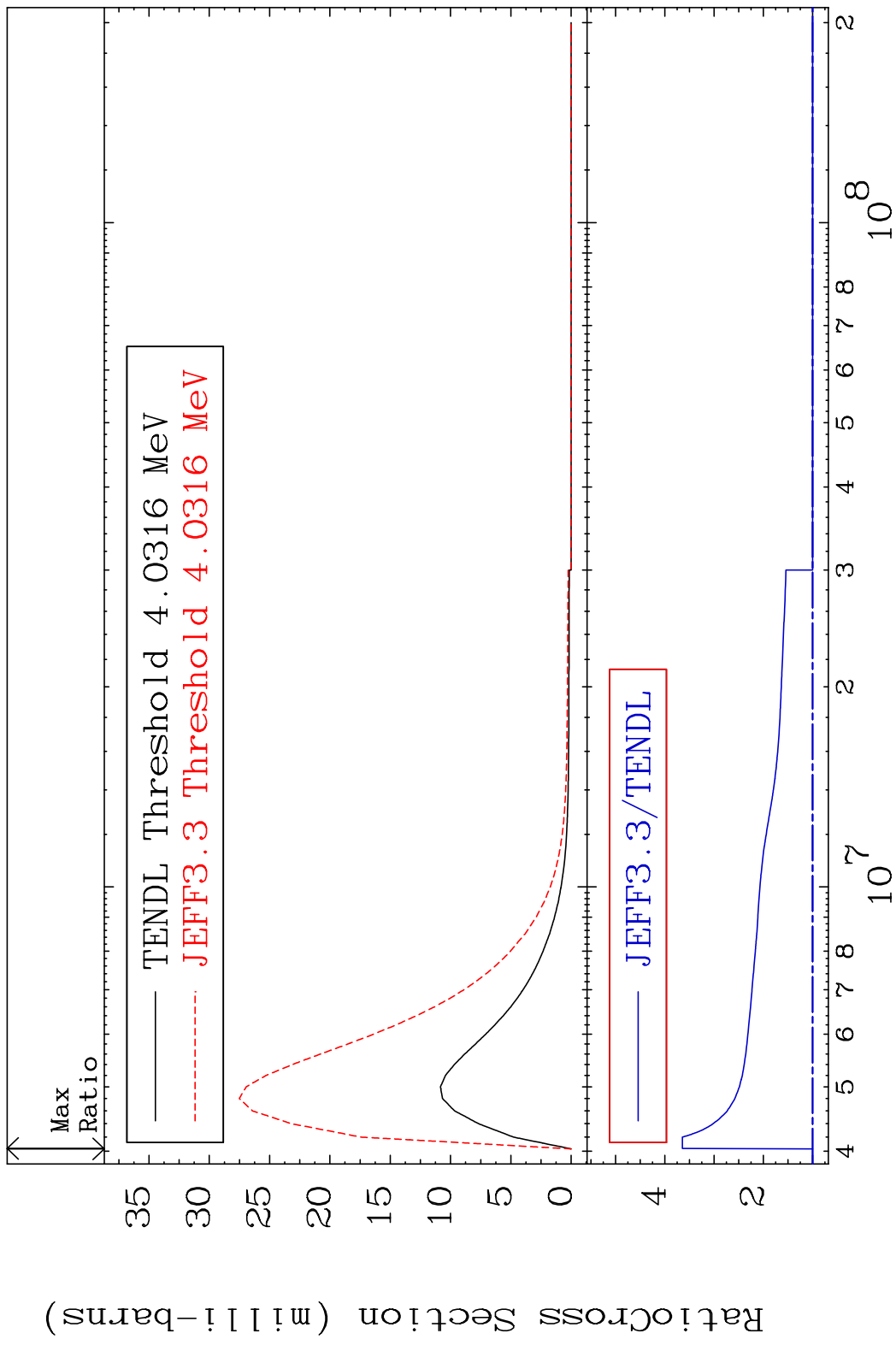


MAT 2837 MT= 72 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 56.47 %

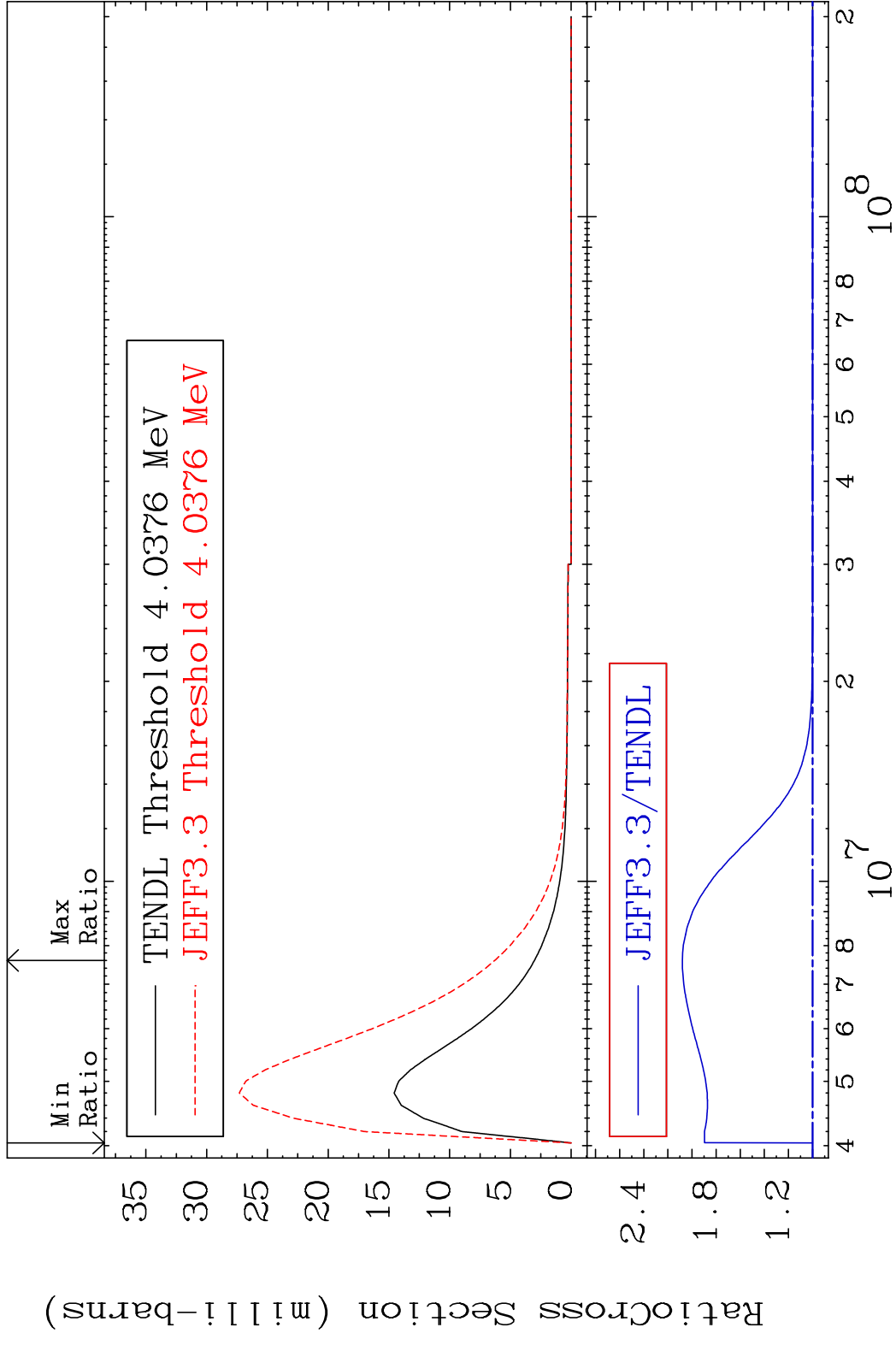


40 Incident Energy (eV) 28-Ni-62

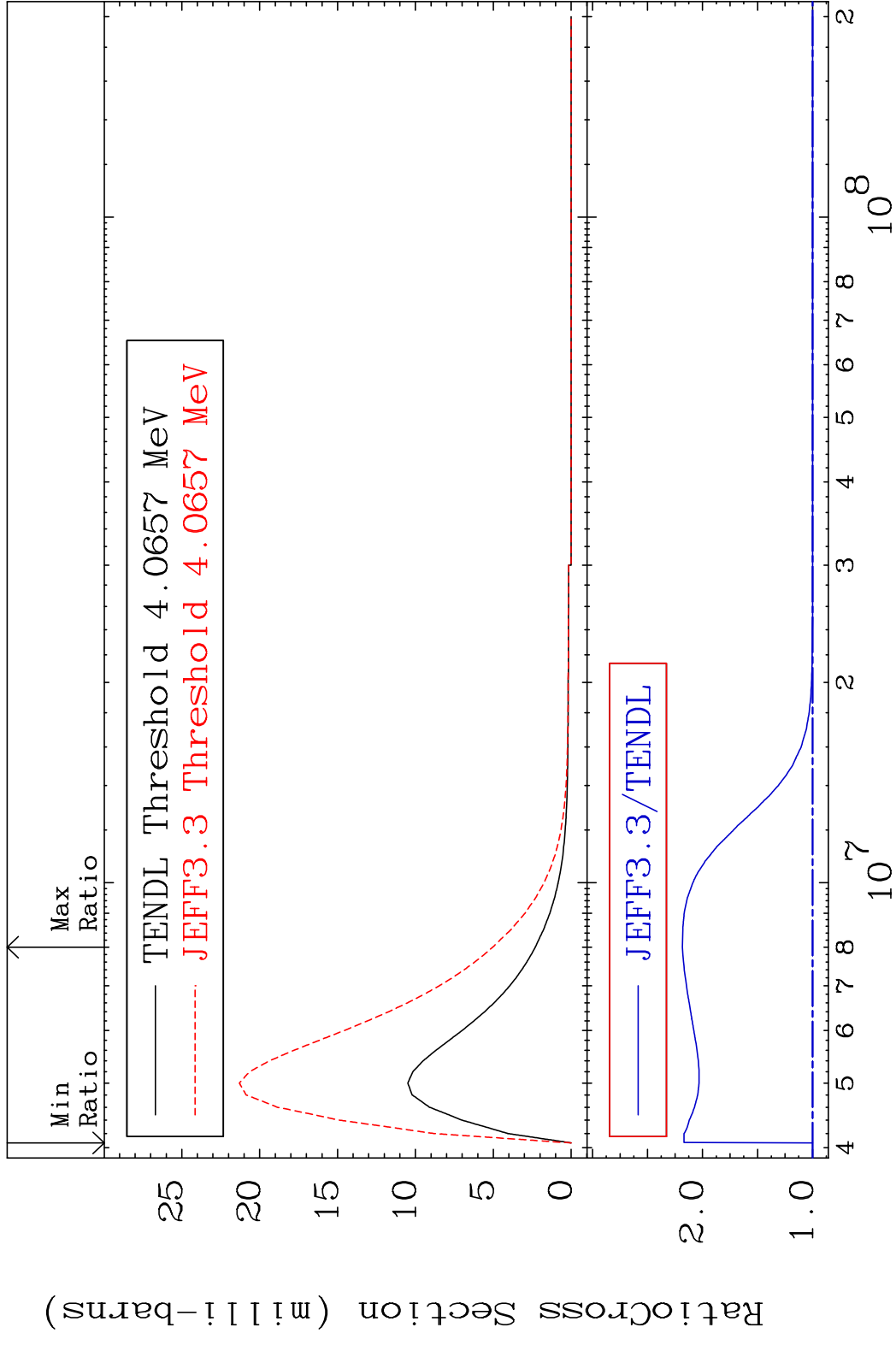
MAT 2837 MT= 73 (n, n') Level 28-Ni-62
 Cross Section 0.000 To 264.4 %



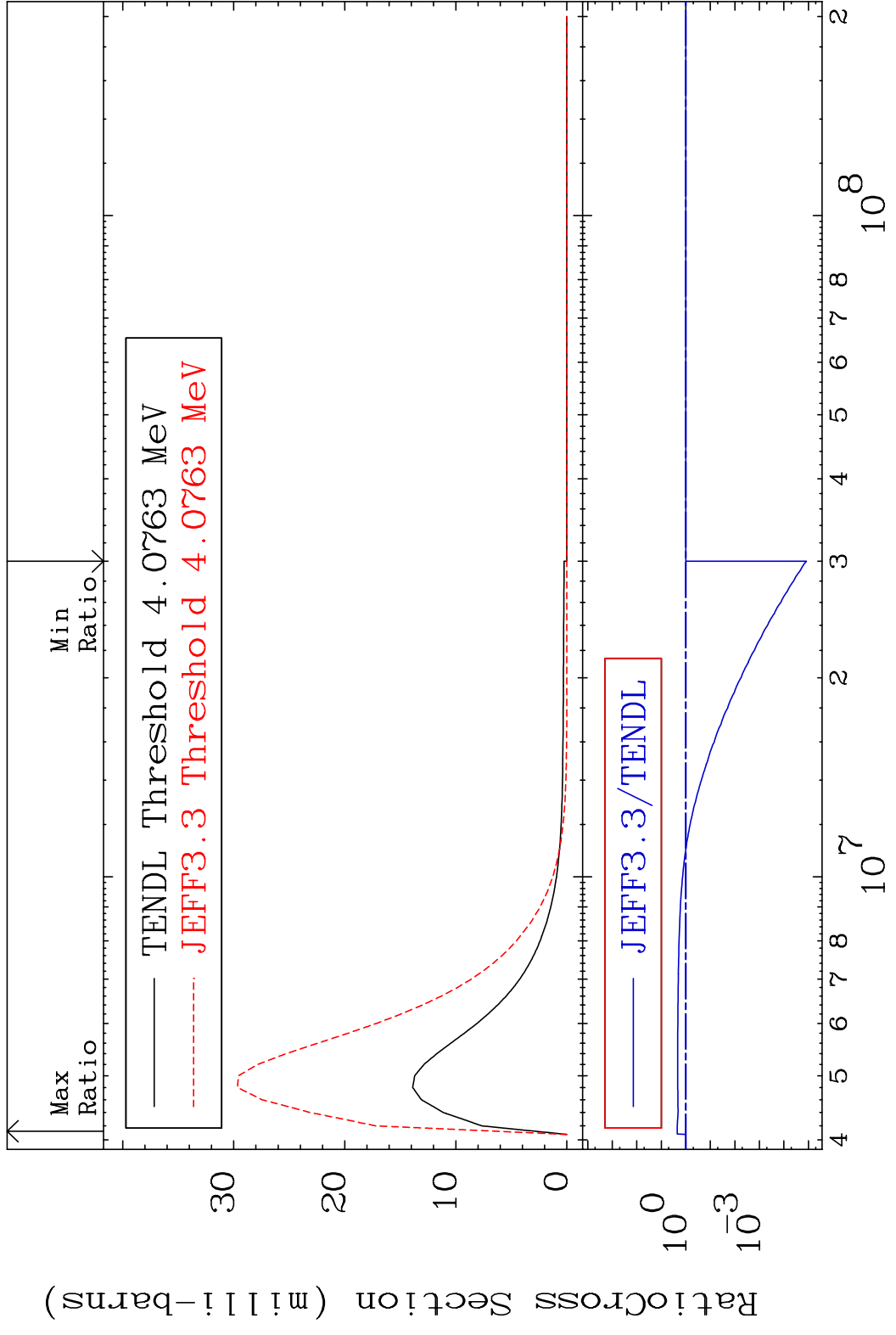
MAT 2837 MT= 74 (n,n') Level 28-Ni-62
 Cross Section 0.000 To 108.0 %



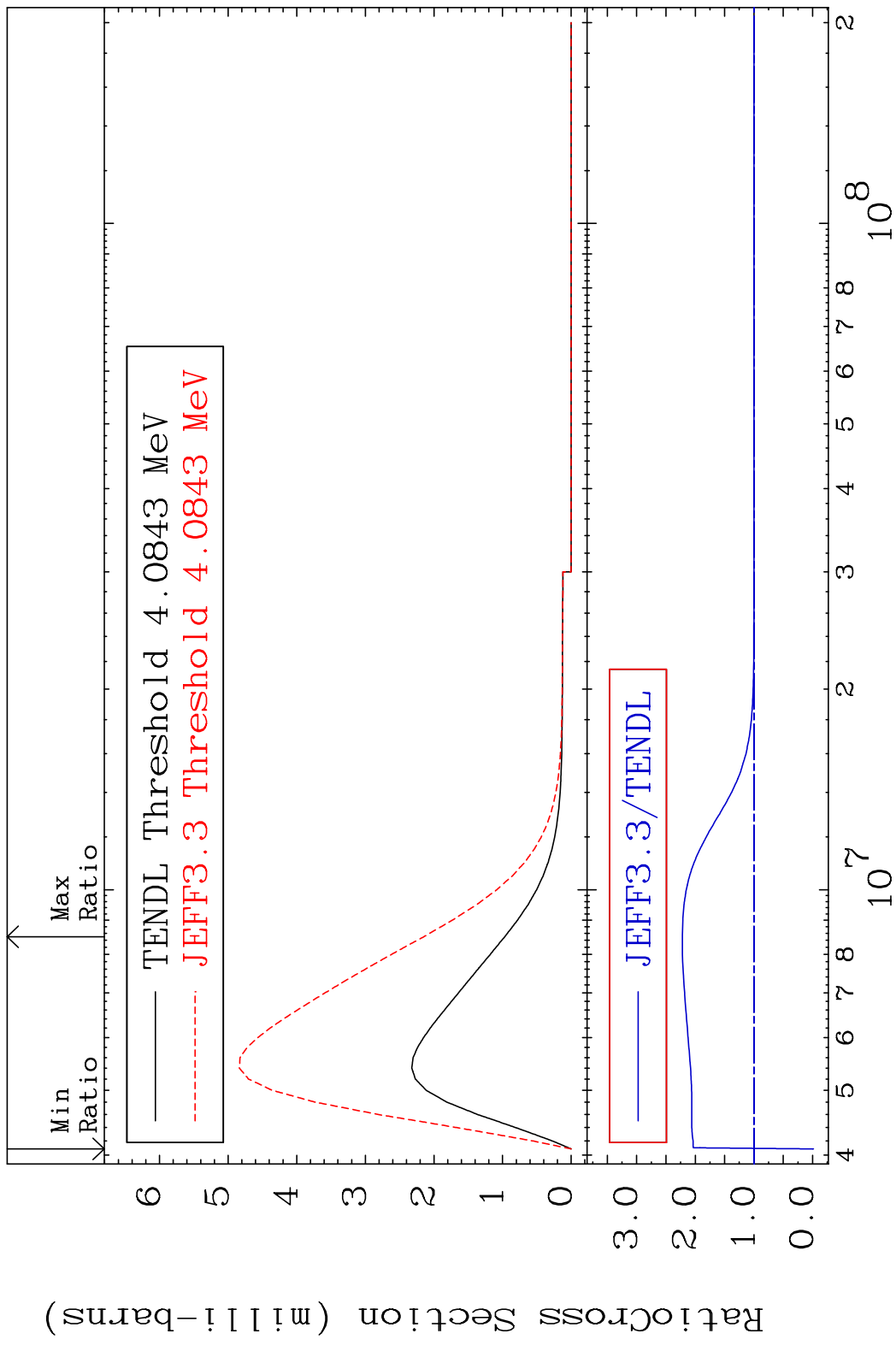
MAT 2837 MT= 75 (n,n') Level 28-Ni-62
 Cross Section 0.000 To 118.3 %



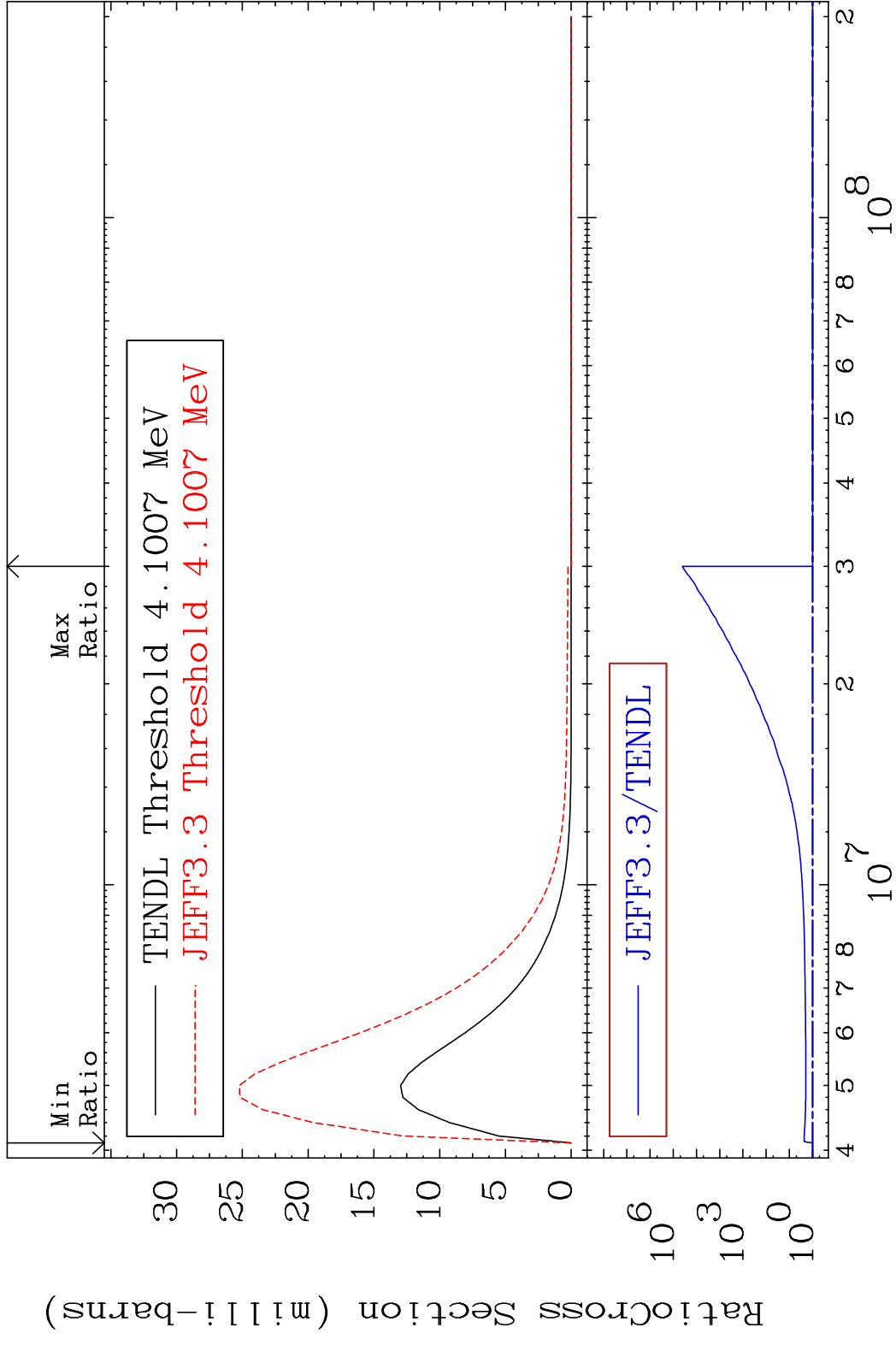
MAT 2837 MT= 76 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 125.0 %



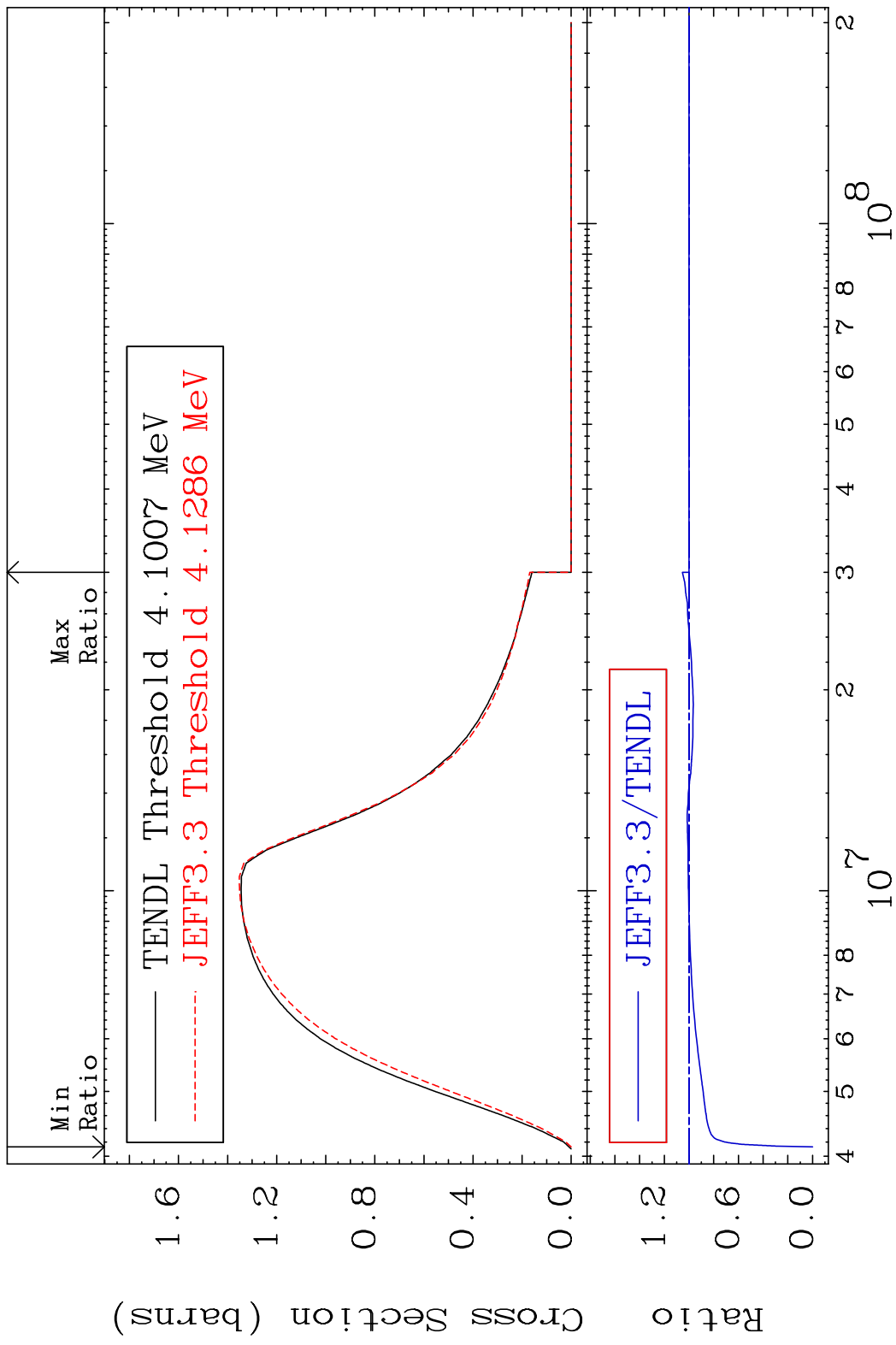
MAT 2837 MT= 77 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 122.0 %



MAT 2837 MT= 78 (n, n') Level 28-Ni-62
 Cross Section 0.000 To 9999. %



MAT 2837 (n,n') Continuum 28-Ni-62
 Cross Section -100.0 To 5.401 %



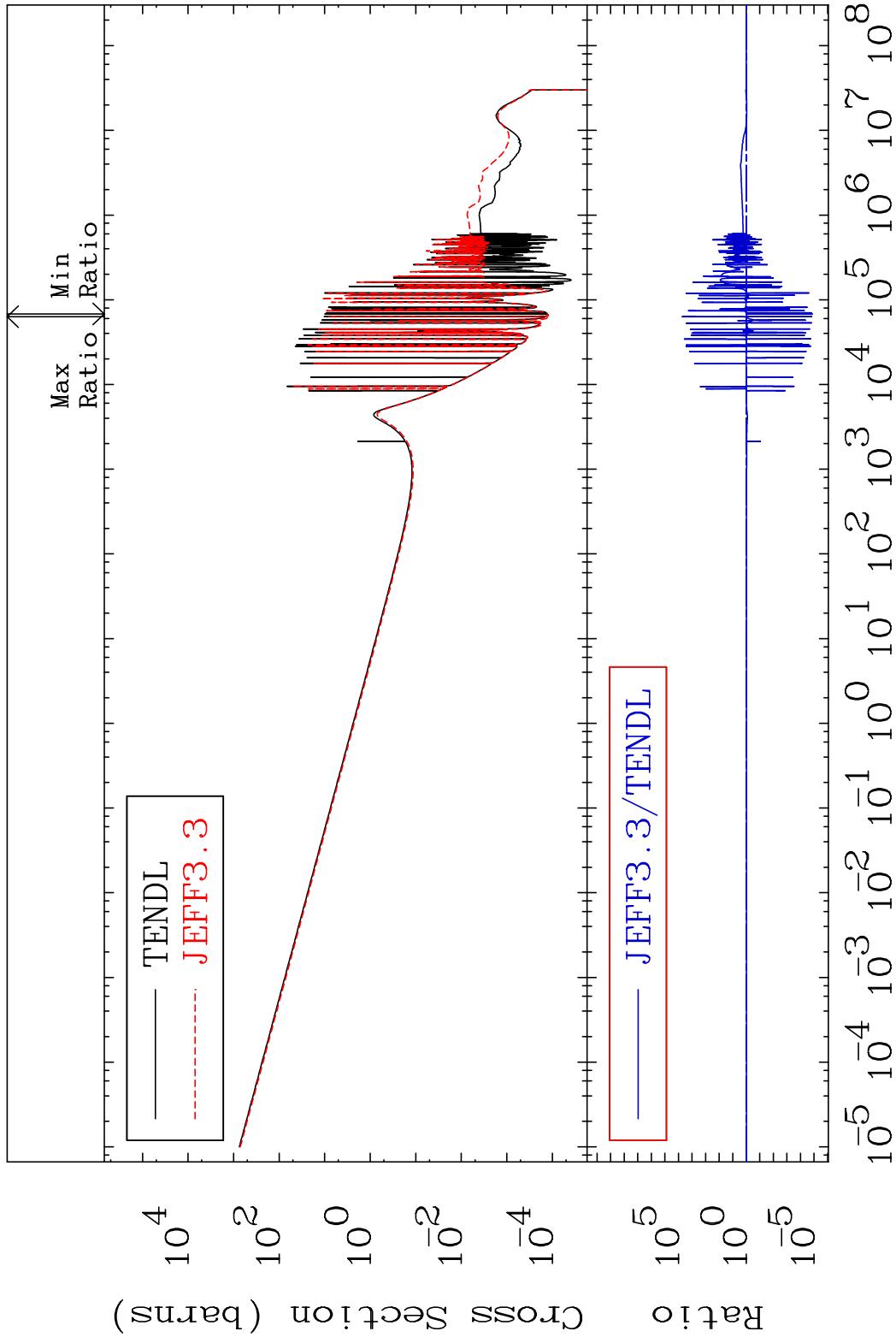
47 Incident Energy (eV) 28-Ni-62

MAT 2837

(n, γ)

28-Ni-62

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

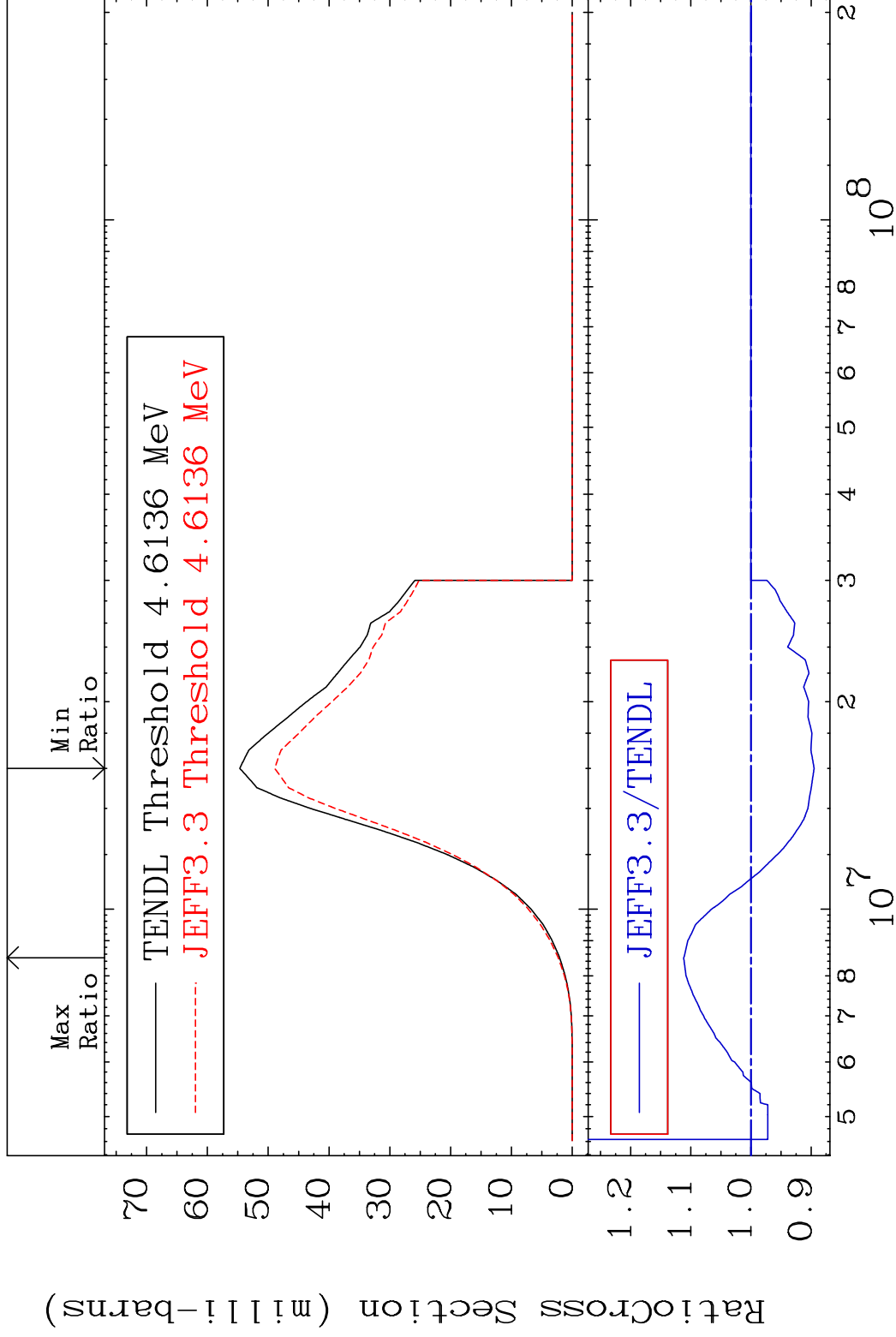
28-Ni-62

MAT 2837

(n, p)

28-Ni-62

Cross Section -10.50 To 11.18 %

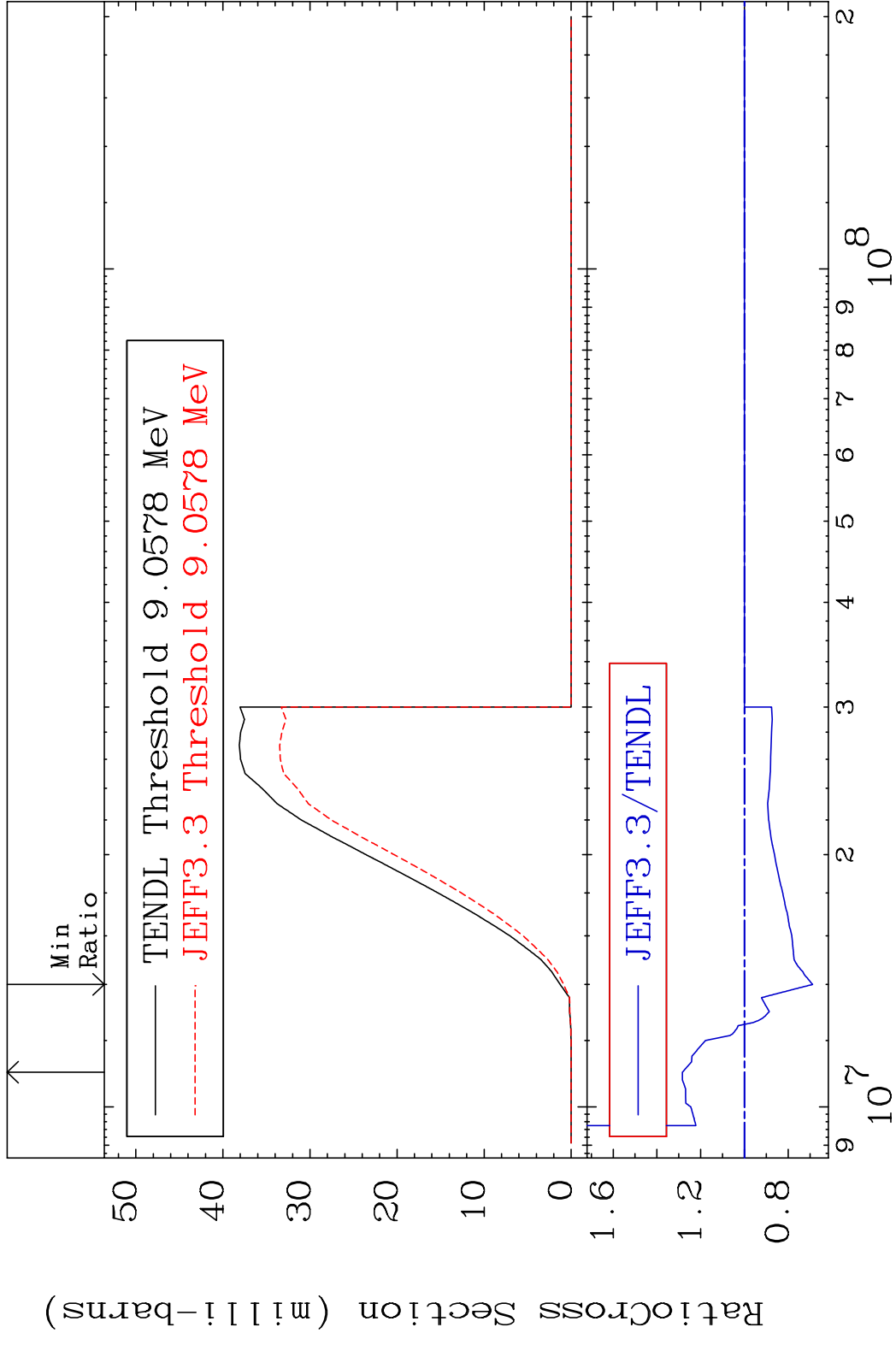


49

Incident Energy (eV)

28-Ni-62

MAT 2837 (n,d) 28-Ni-62
 Cross Section -31.16 To 28.37 %



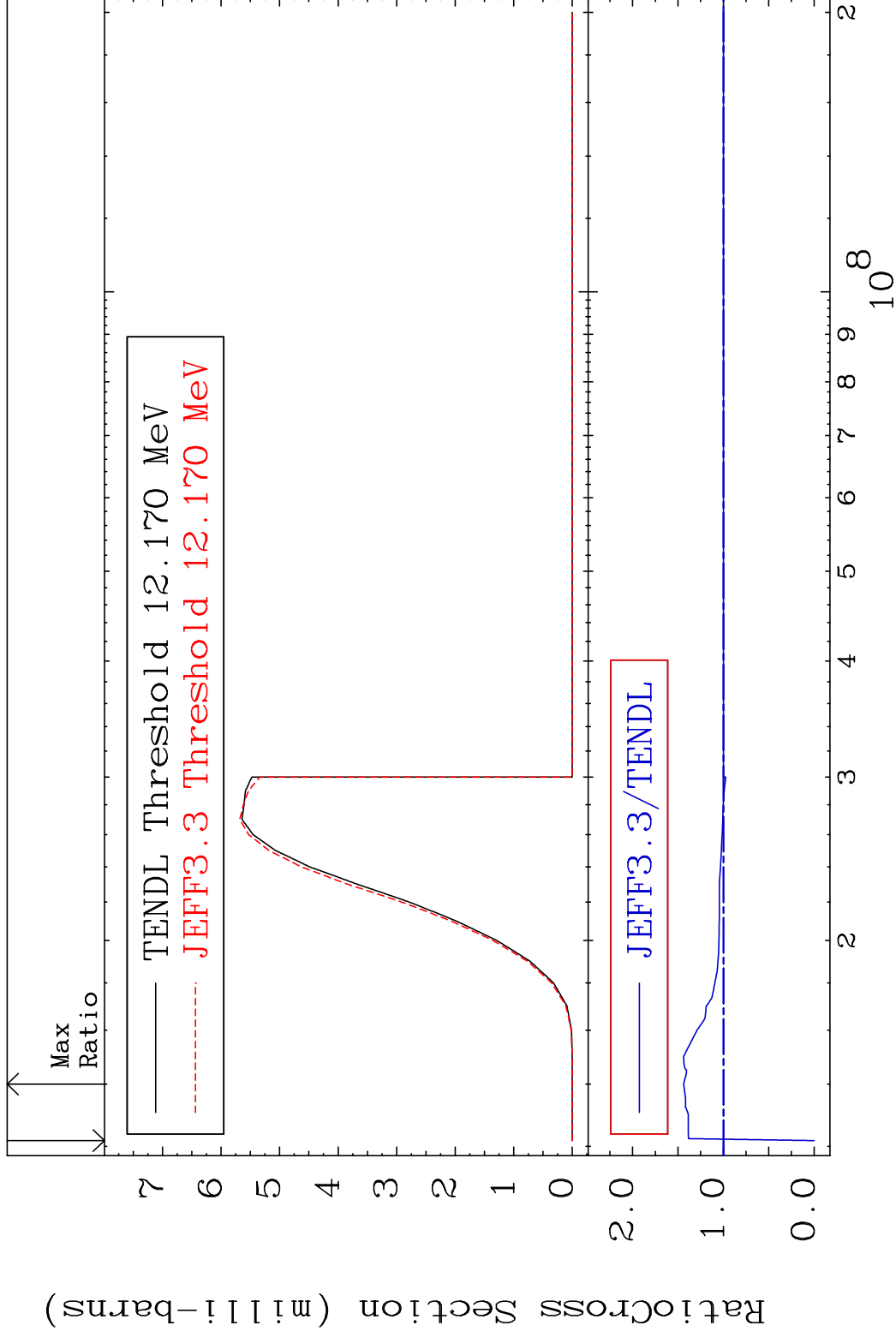
50 28-Ni-62

MAT 2837

(n, t)

28-Ni-62

Cross Section -100.0 To 43.76 %

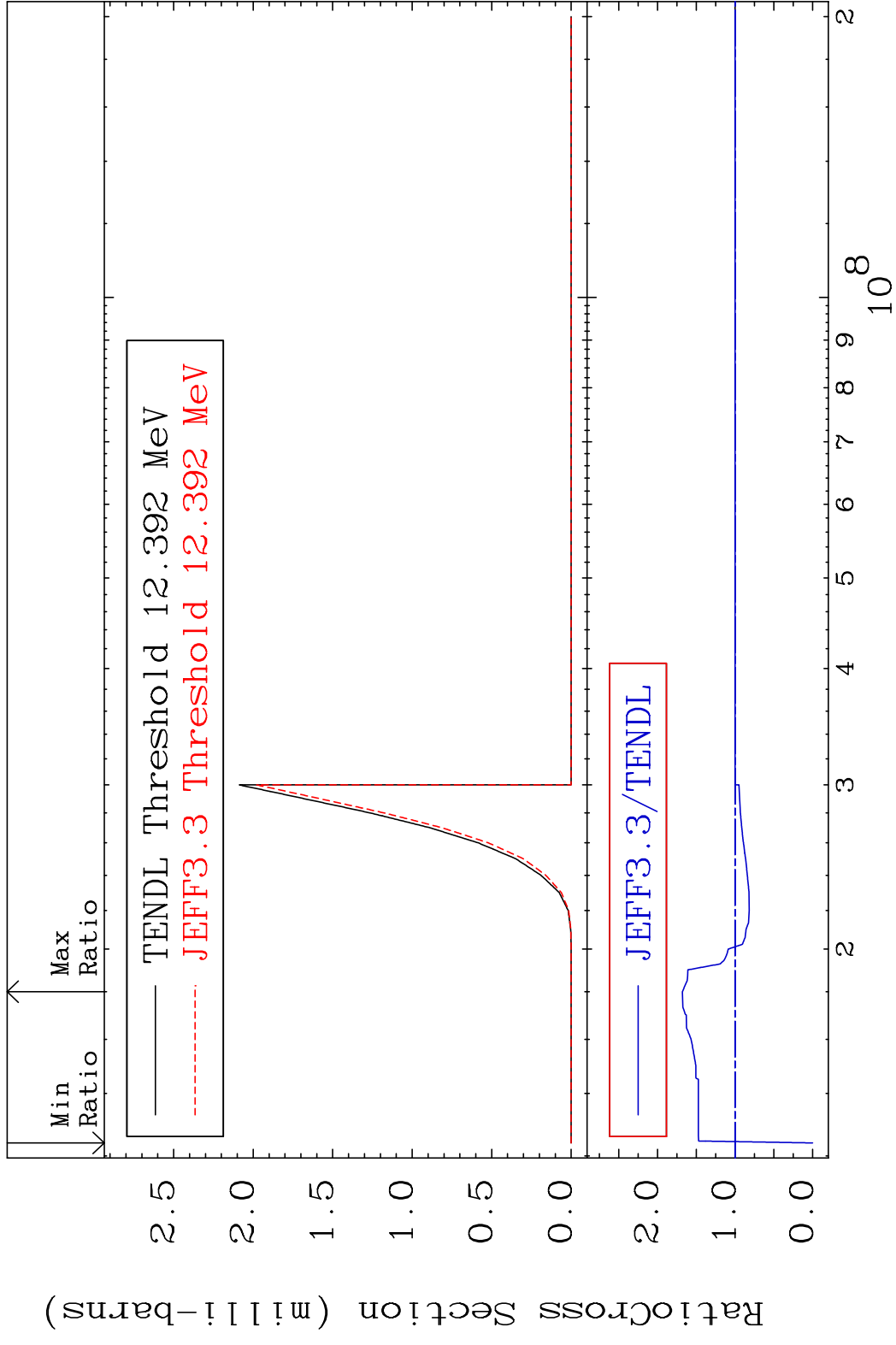


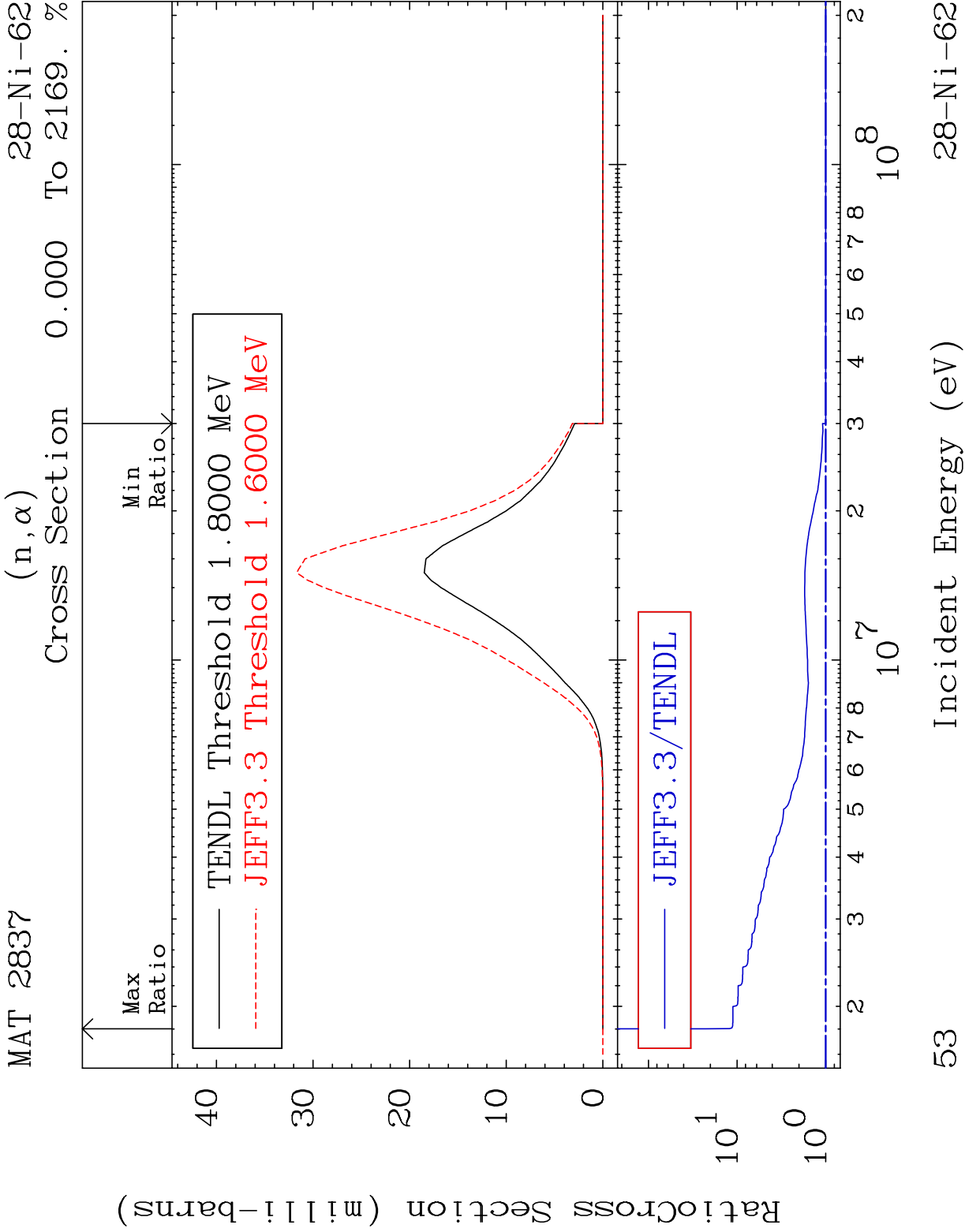
51

Incident Energy (eV)

28-Ni-62

MAT 2837 (n, He-3) 28-Ni-62
 Cross Section -100.0 To 67.87 %



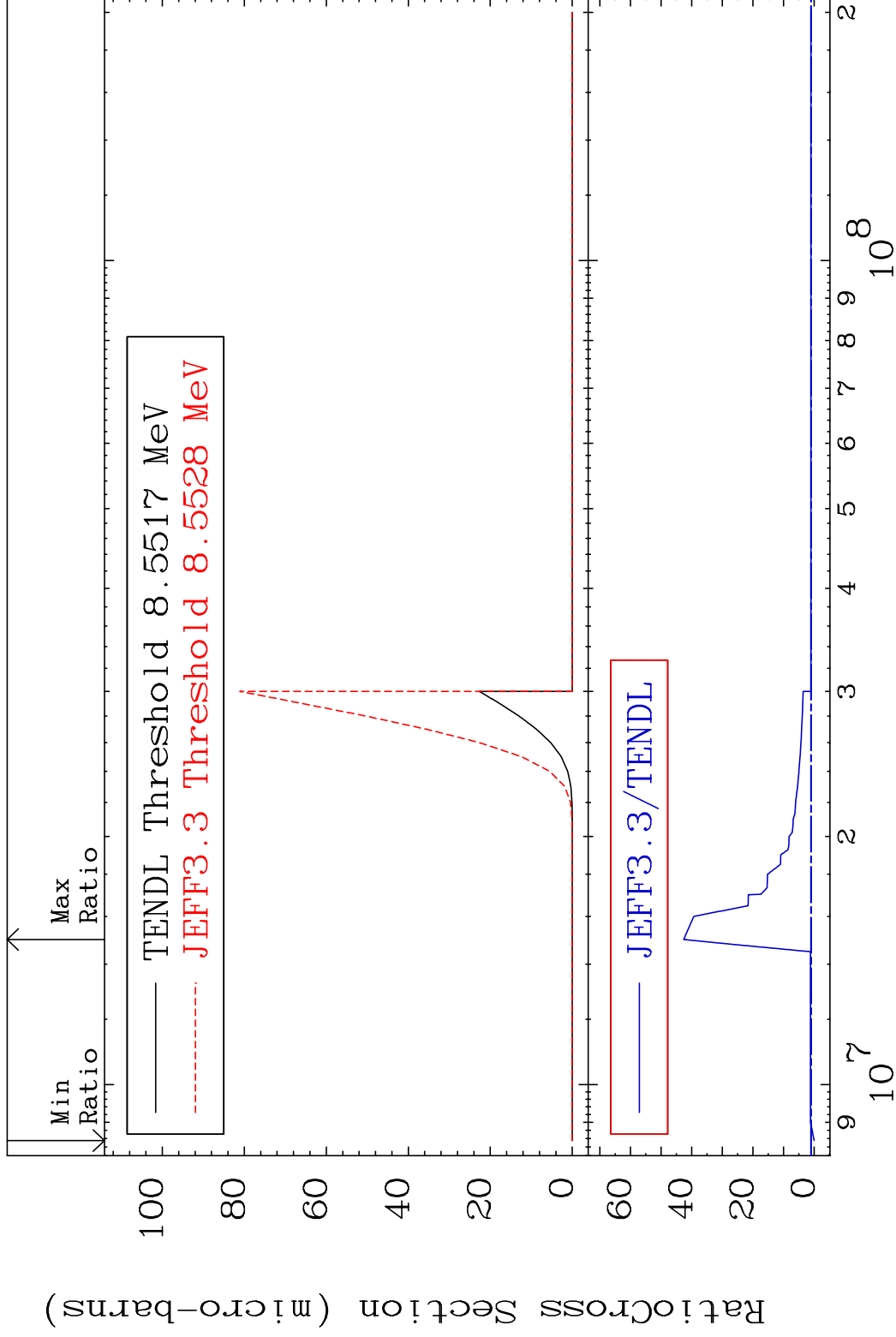


MAT 2837

(n,2α)

28-Ni-62

Cross Section -100.0 To 4162. %



54

Incident Energy (eV)

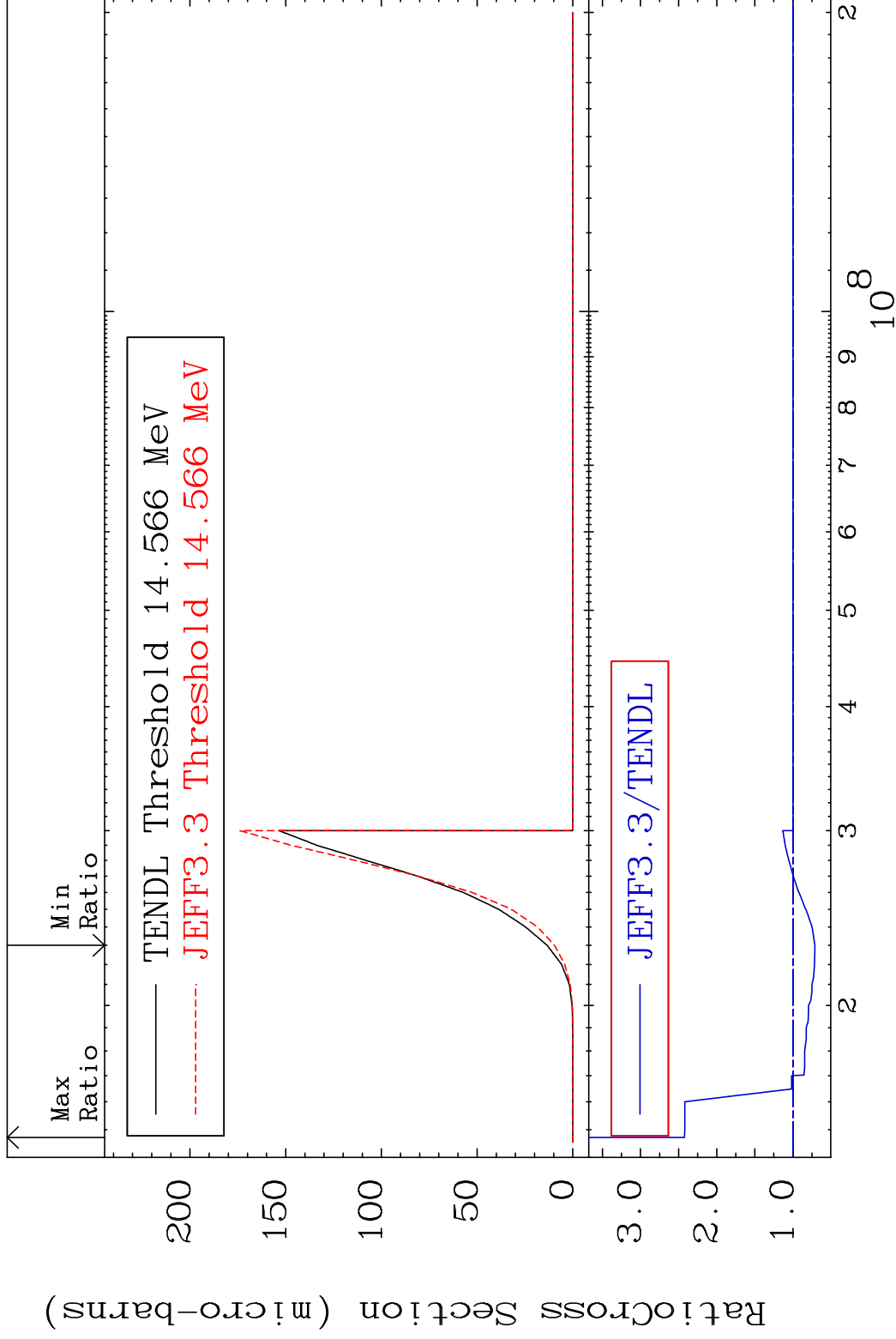
28-Ni-62

MAT 2837

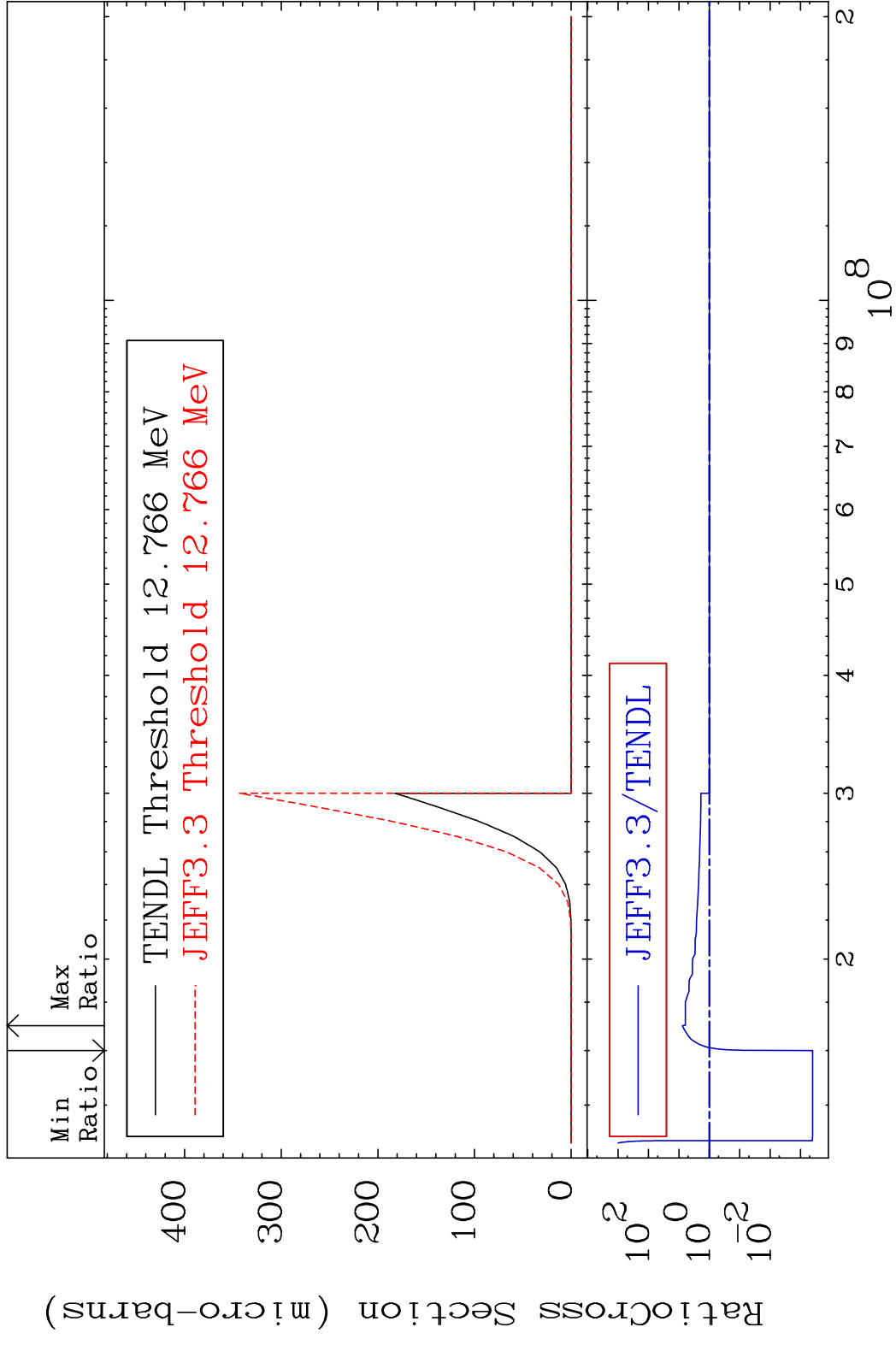
(n,2p)

²⁸Ni-62

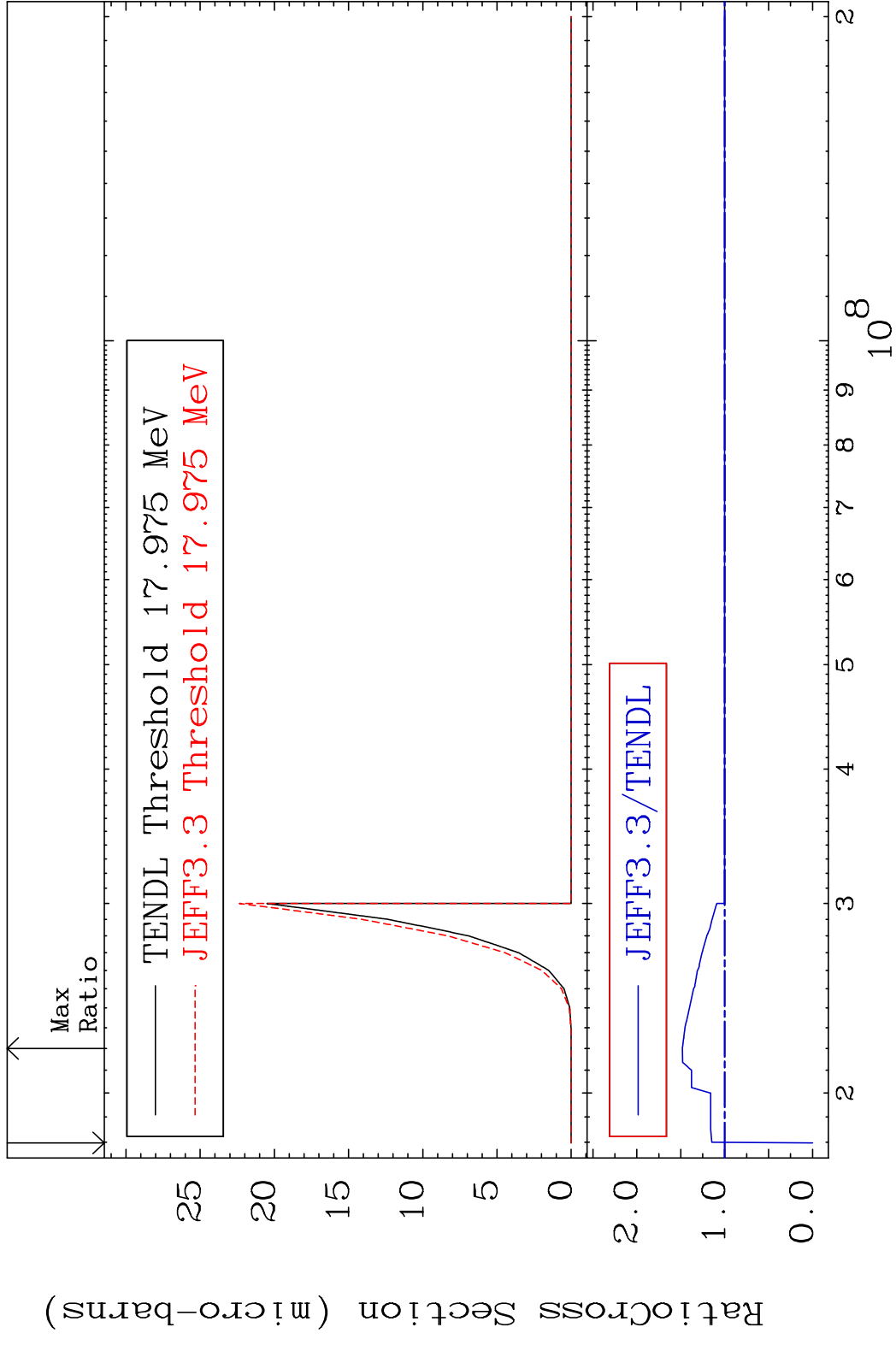
Cross Section -28.85 To 142.6 %



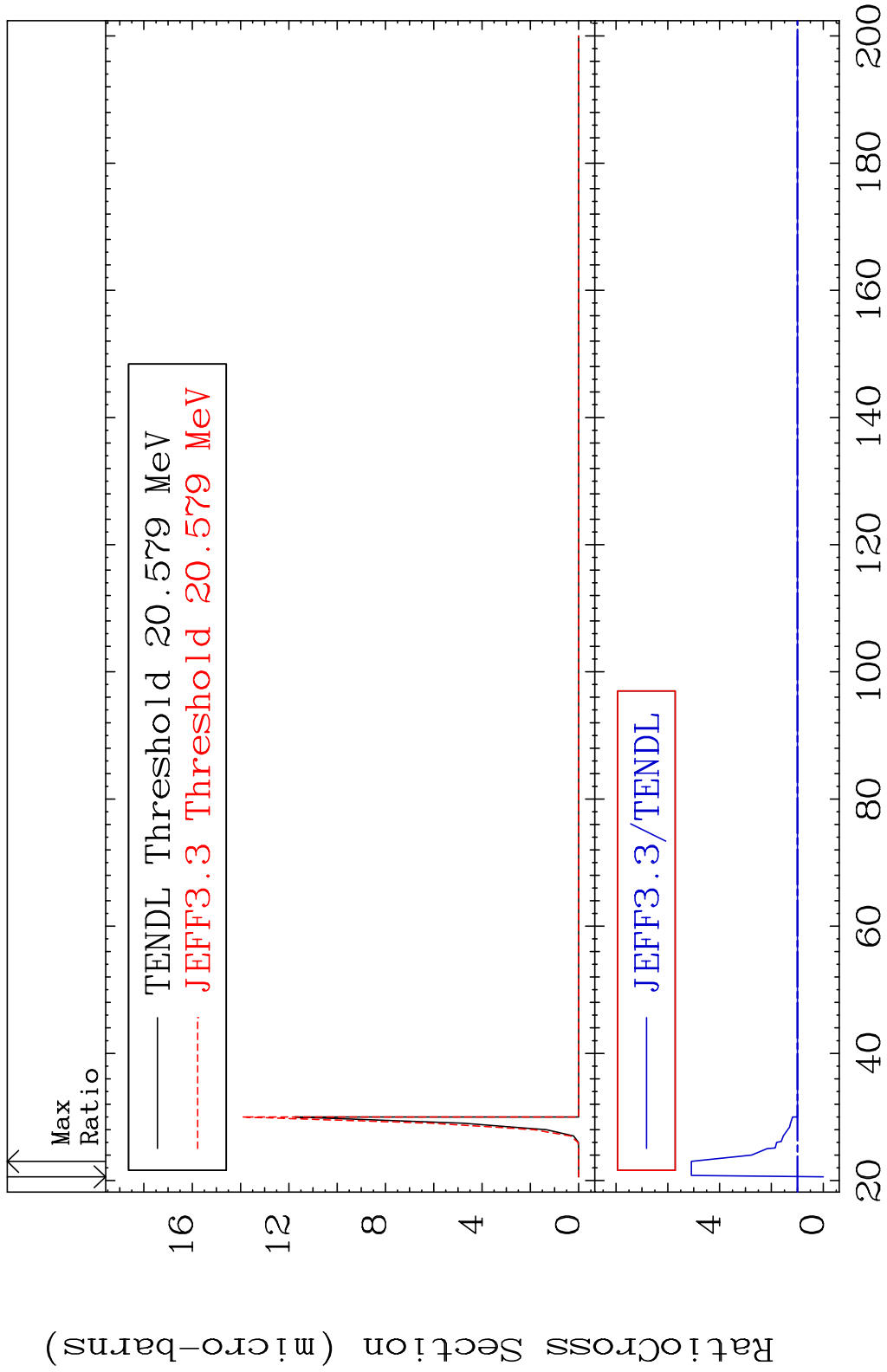
MAT 2837 (n,p) α 28-Ni-62
 Cross Section -99.96 To 670.4 %



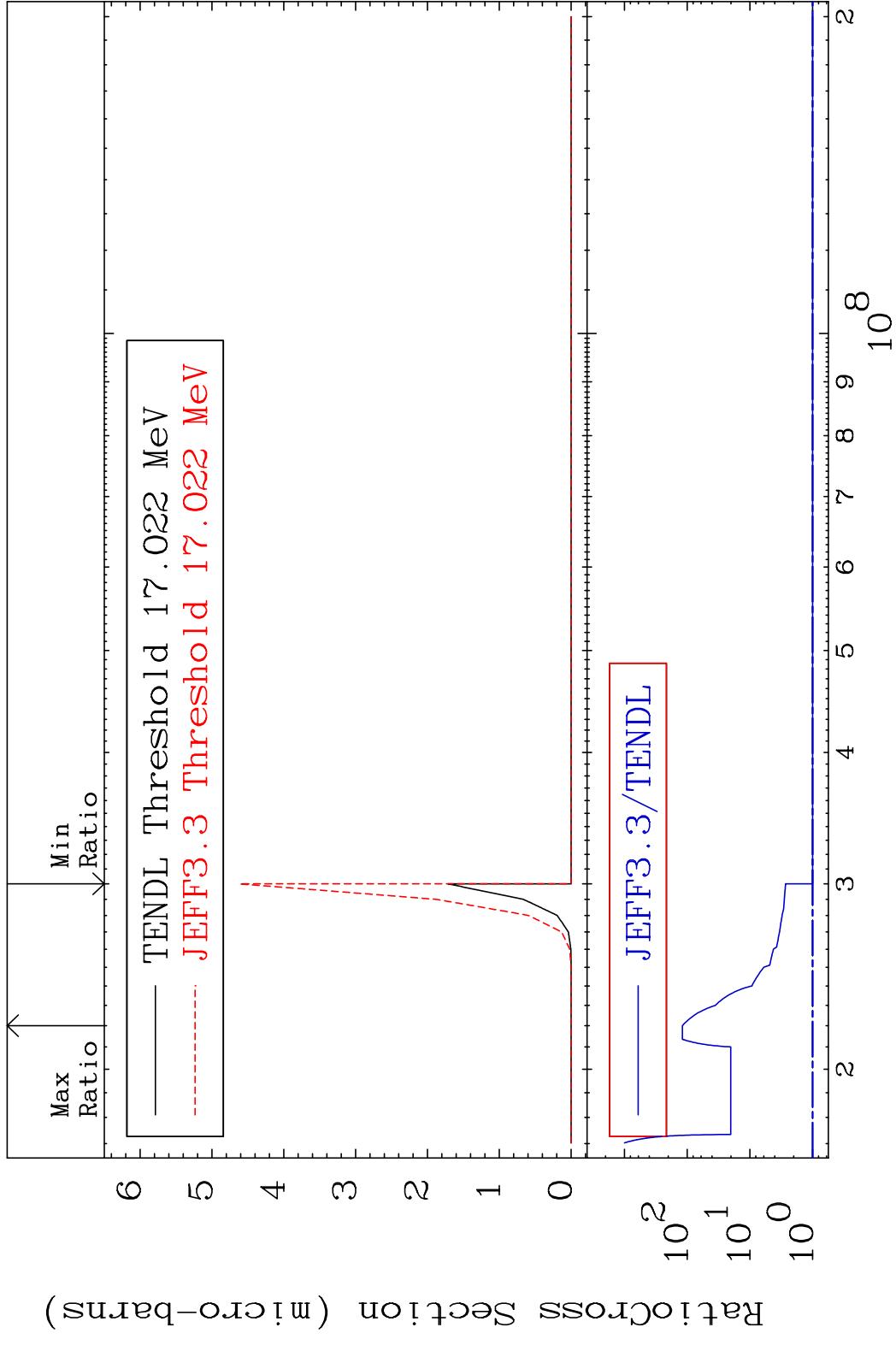
MAT 2837 (n,p) d 28-Ni-62
 Cross Section -100.0 To 48.19 %



MAT 2837 (n,p) t 28-Ni-62
 Cross Section -100.0 To 409.1 %



MAT 2837 (n,d) α 28-Ni-62
 Cross Section 0.000 To 9999. %

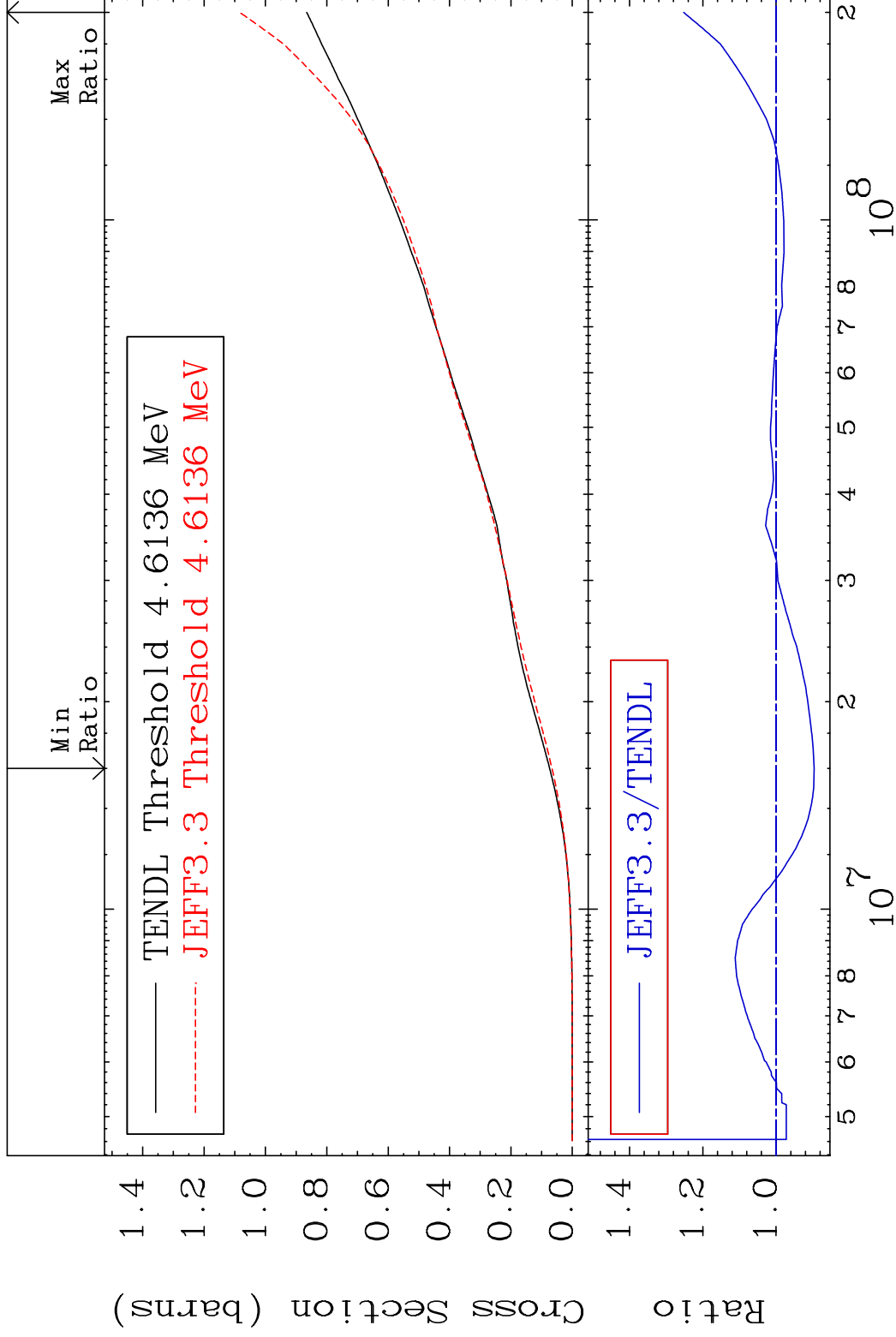


MAT 2837

Hydrogen Production

²⁸Ni-62

Cross Section -10.37 To 25.23 %



60

Incident Energy (eV)

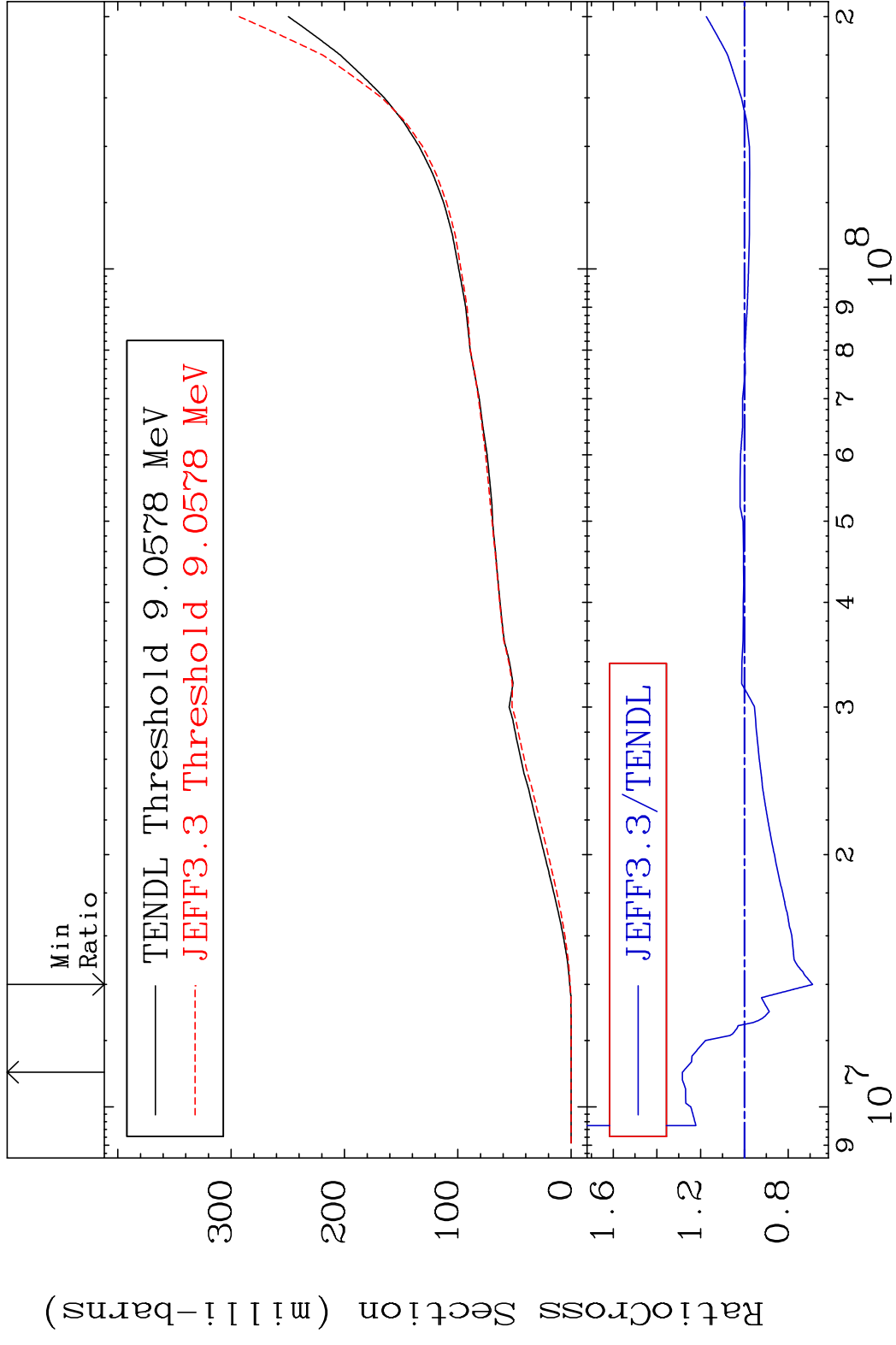
²⁸Ni-62

MAT 2837

Deuterium Production

²⁸Ni-62

Cross Section -31.16 To 28.37 %



61

Incident Energy (eV)

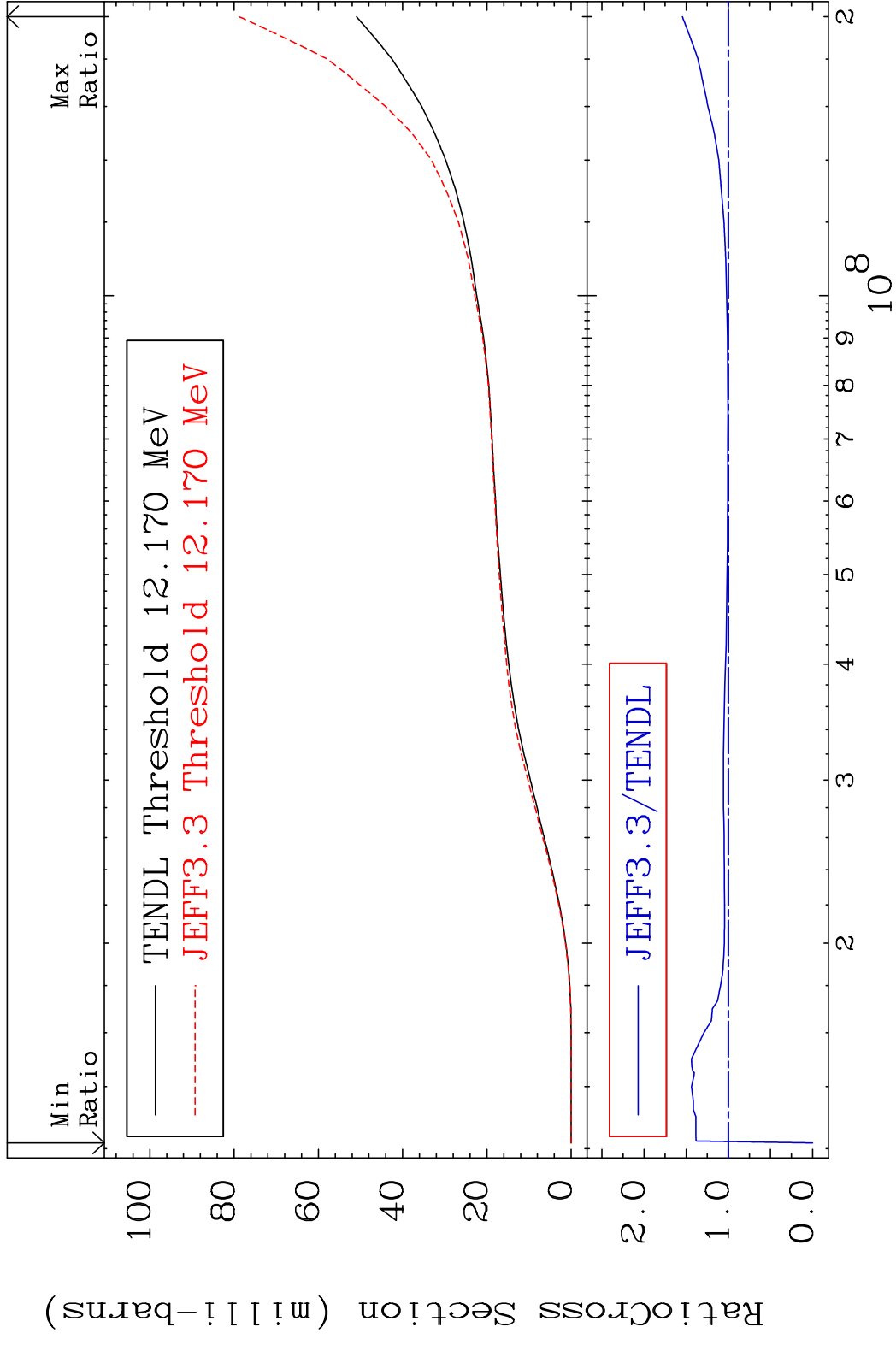
²⁸Ni-62

MAT 2837

Tritium Production

²⁸Ni-62

Cross Section -100.0 To 54.59 %

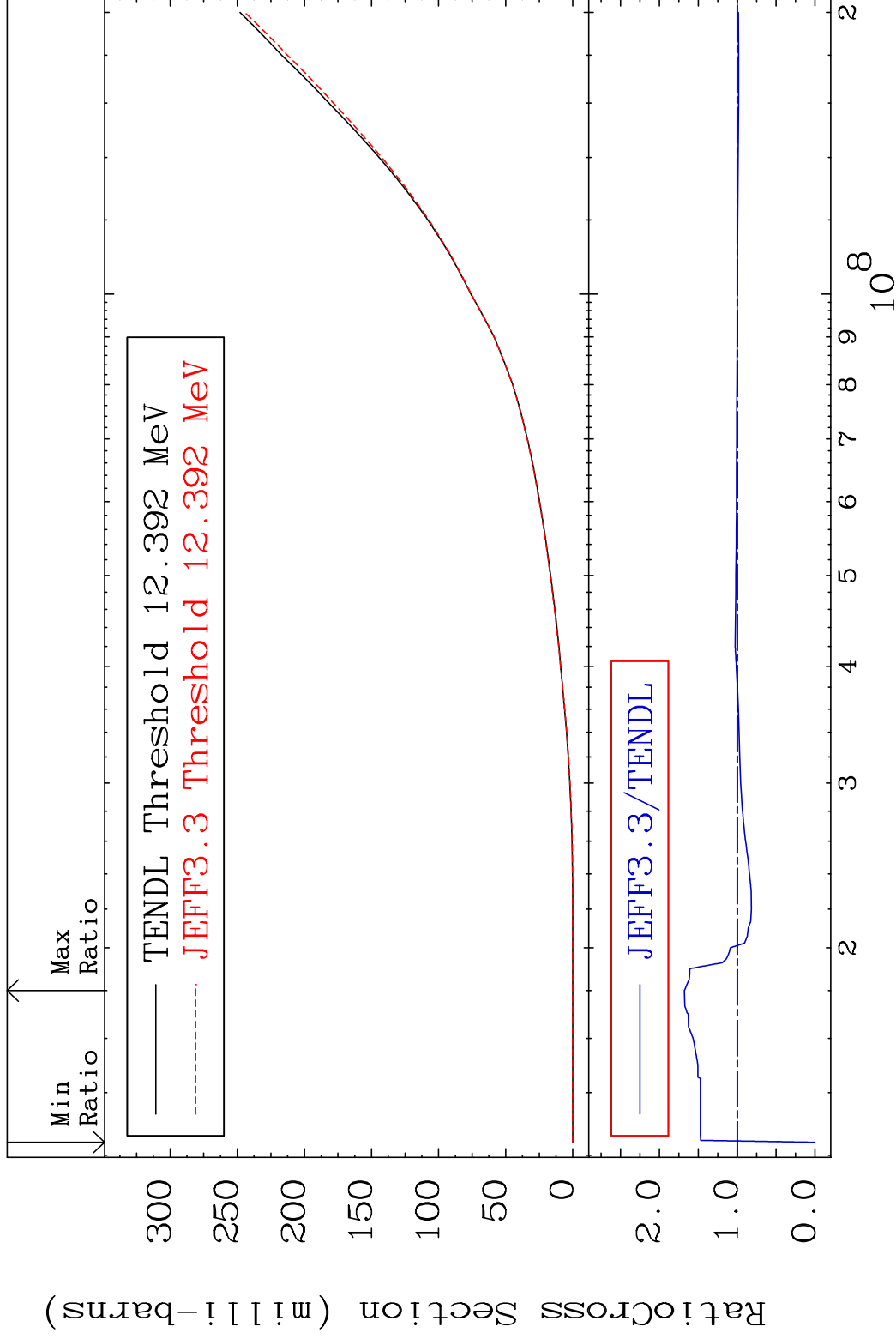


MAT 2837

He-3 Production

²⁸Ni-62

Cross Section -100.0 To 67.87 %



63

Incident Energy (eV)

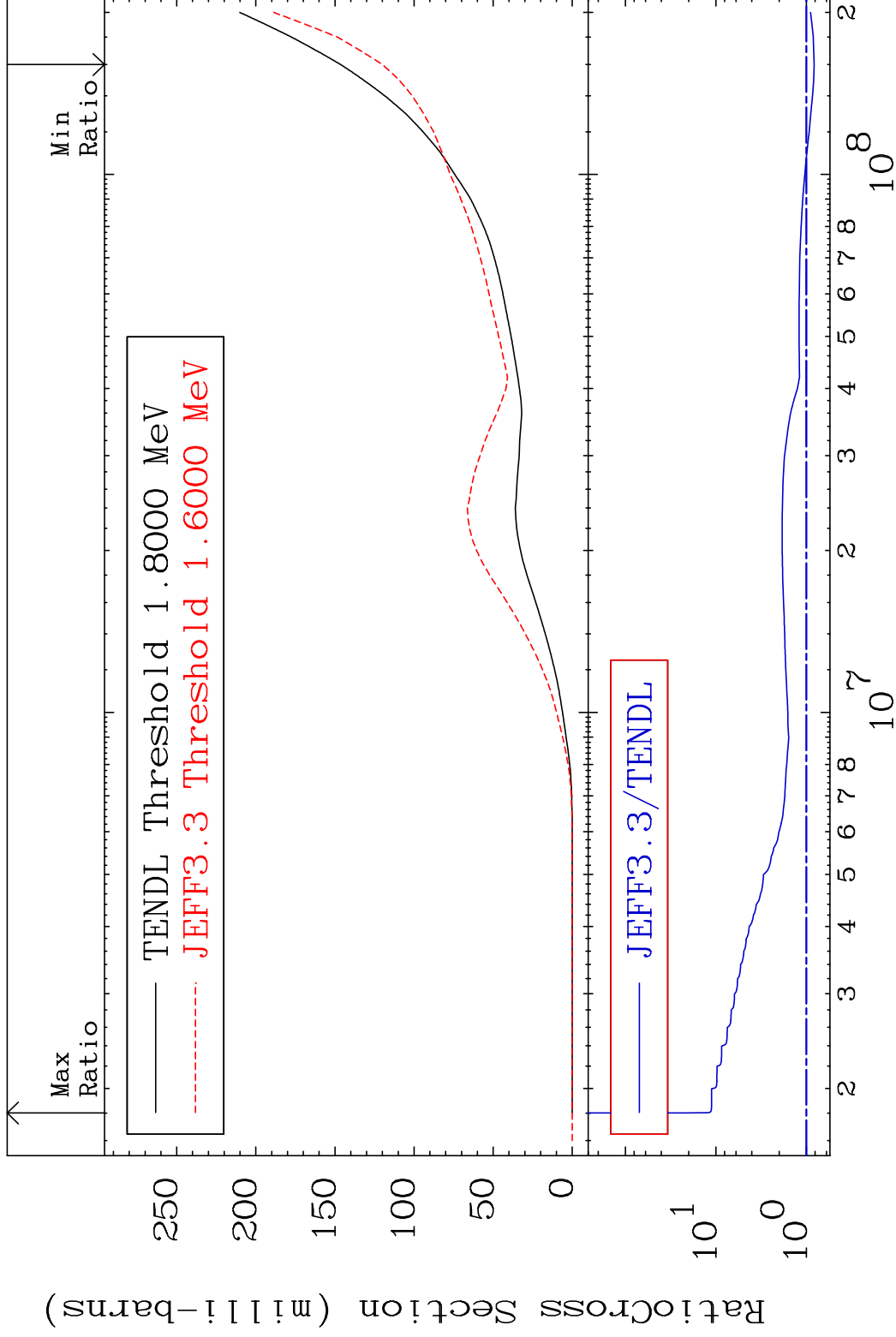
²⁸Ni-62

MAT 2837

He-4 Production

²⁸Ni-62

Cross Section -17.97 To 2169. %



64

Incident Energy (eV)

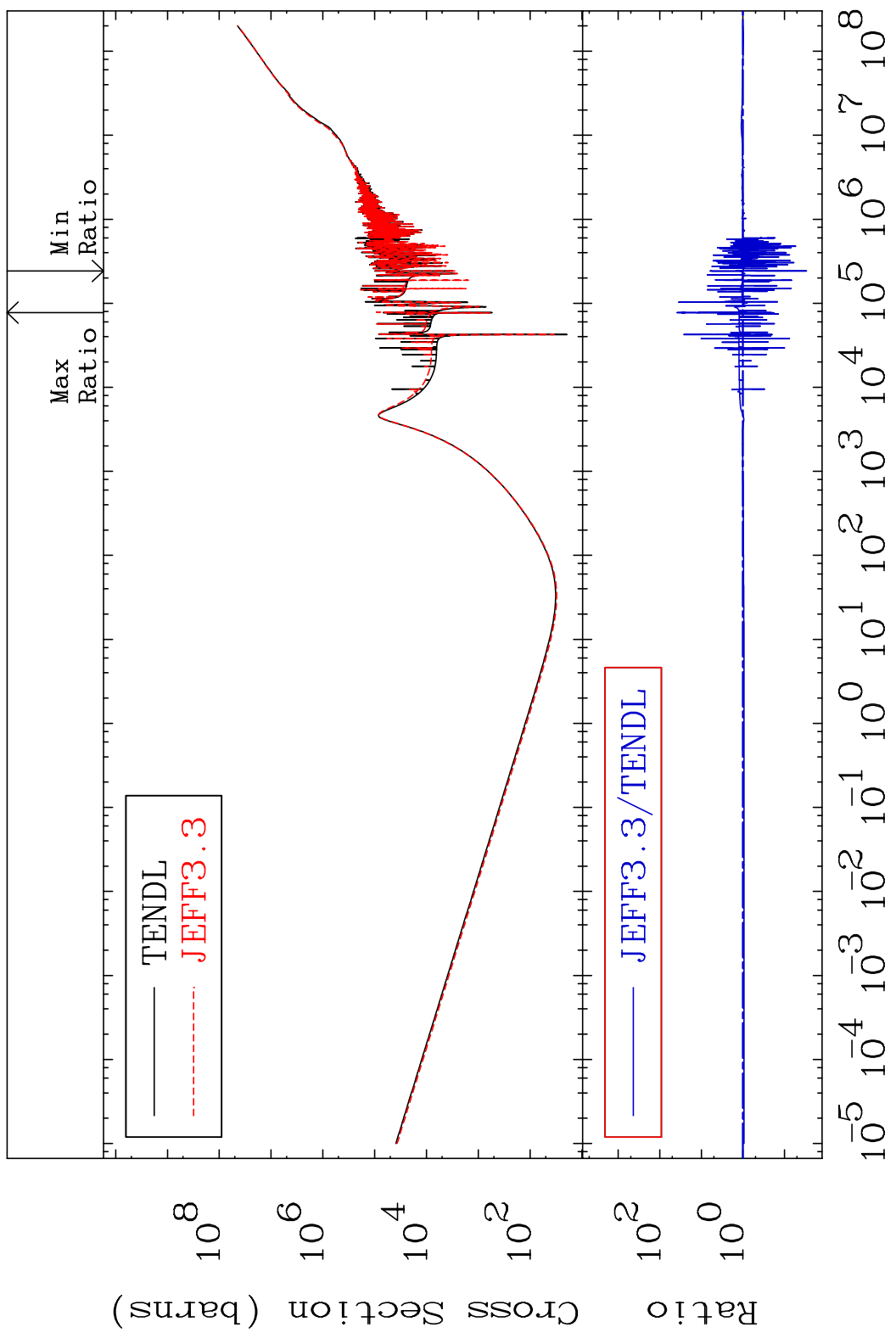
²⁸Ni-62

MAT 2837

Kerma total (eV-barns)

28-Ni-62

Cross Section -97.03 To 3720. %



65

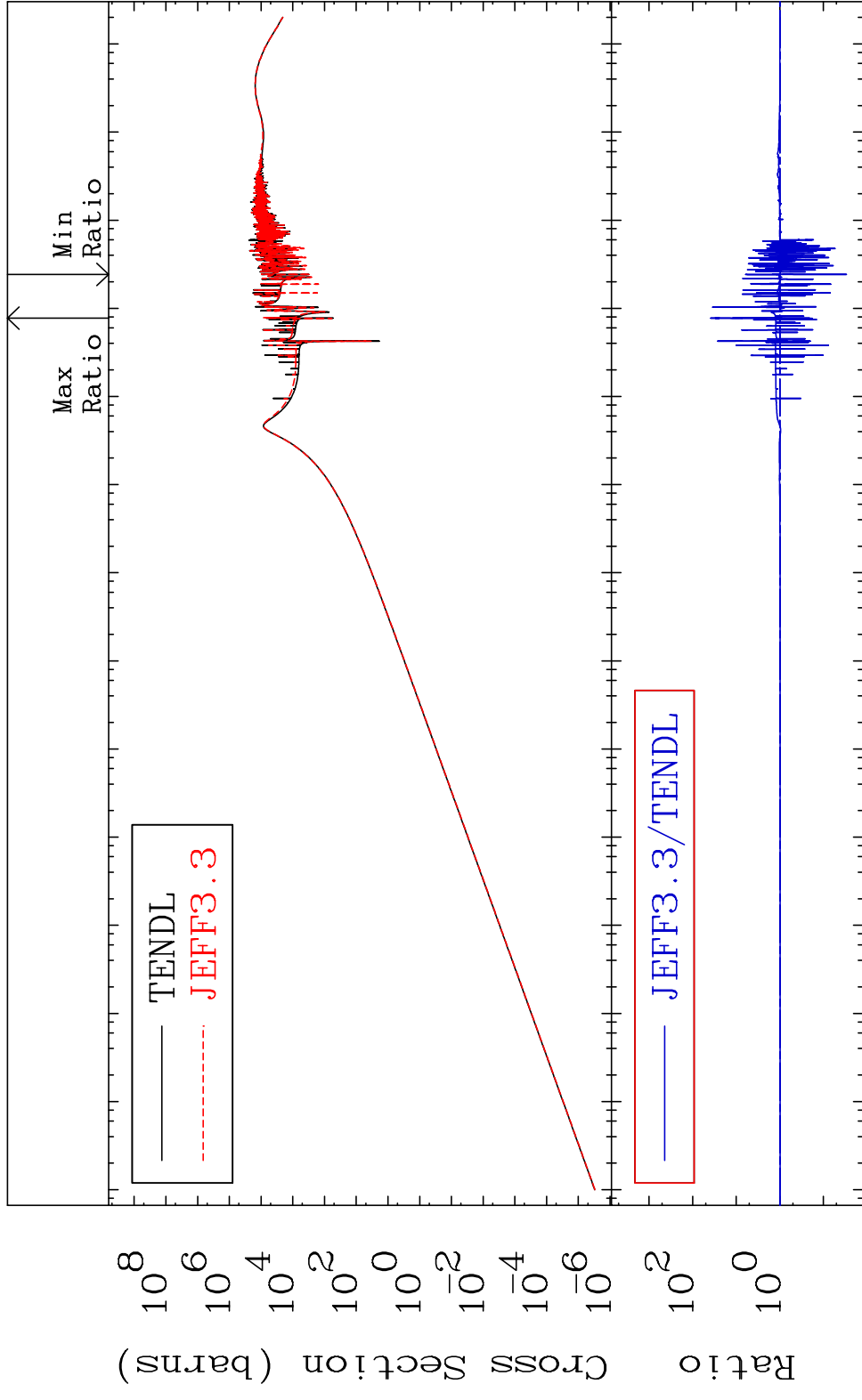
Incident Energy (eV)

28-Ni-62

MAT 2837

Kerma elastic
Cross Section

28-Ni-62
-97.03 To 3738. %

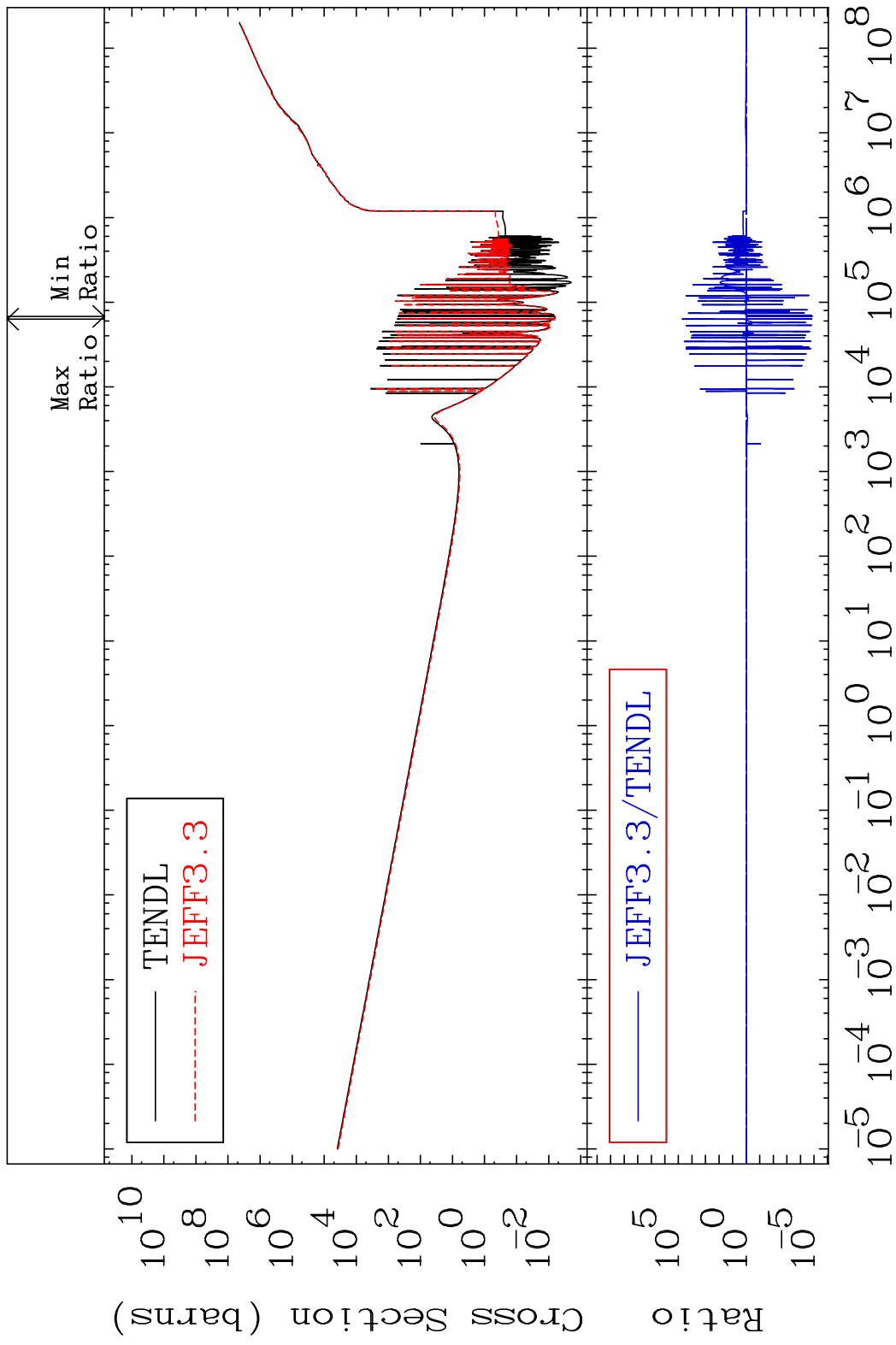


66

Incident Energy (eV)

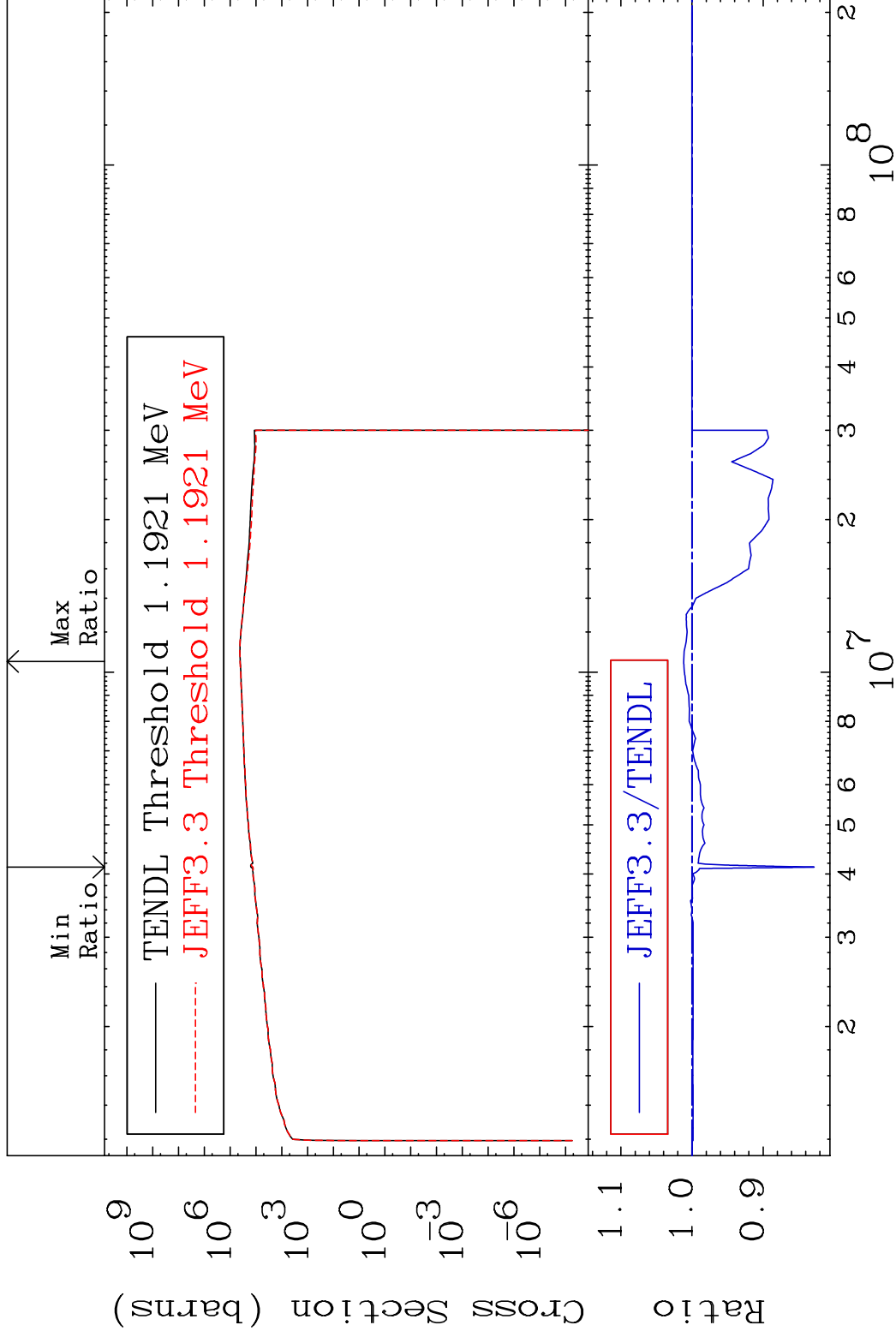
28-Ni-62

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 %

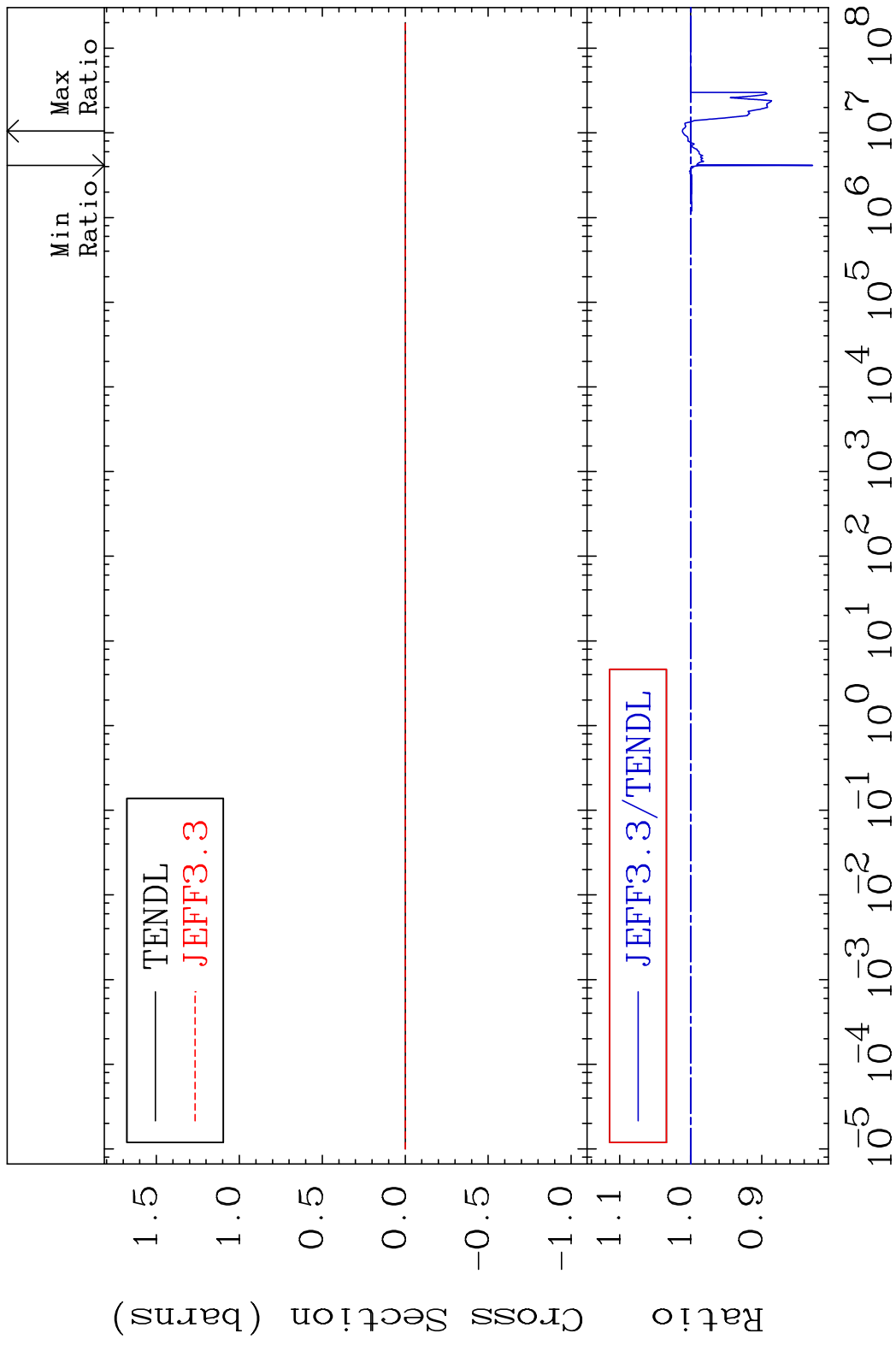


68

Incident Energy (eV)

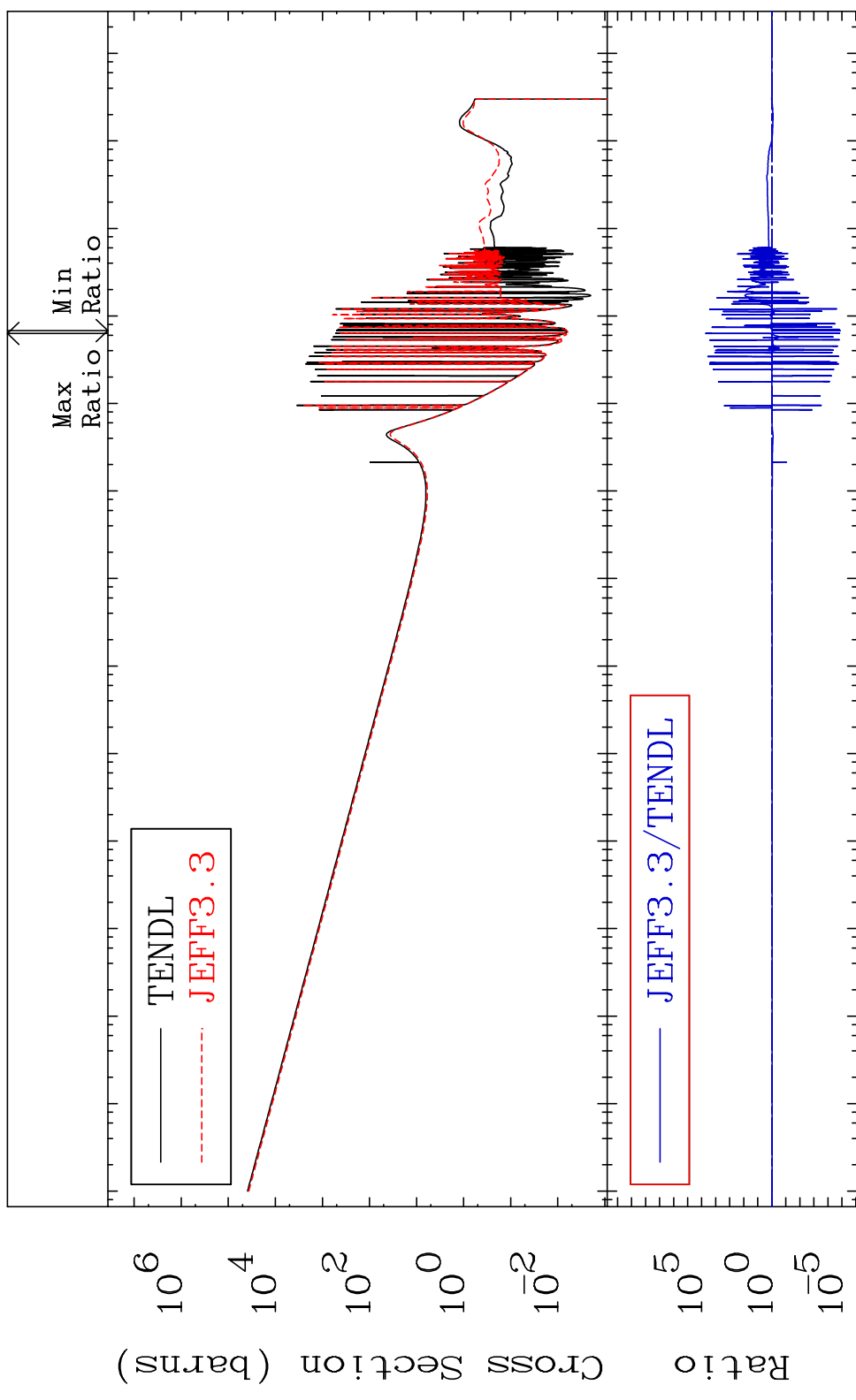
28-Ni-62

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)

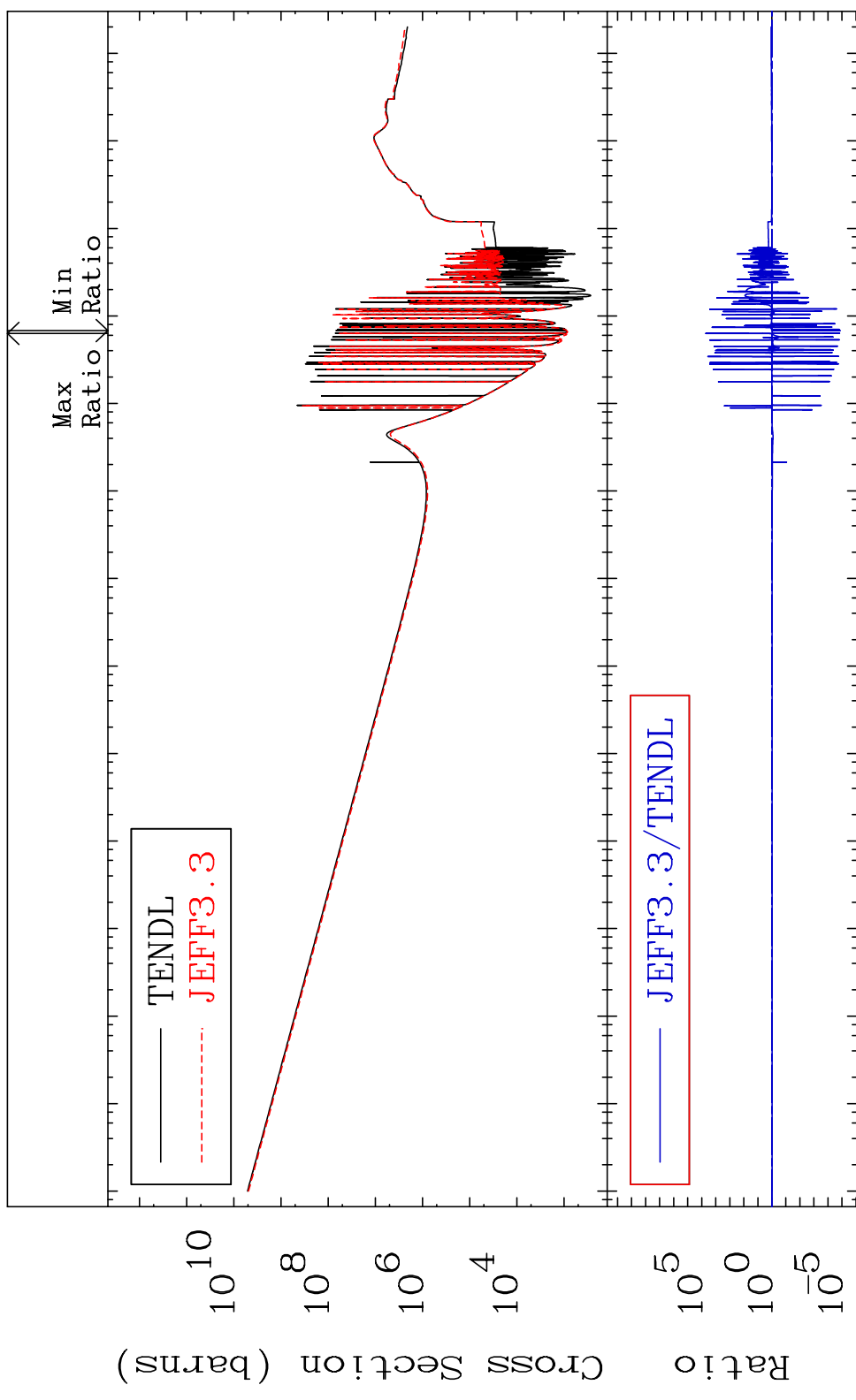
28-Ni-62

MAT 2837

Total photon (eV-barns)

28-Ni-62

Cross Section -100.0 To 9999. %

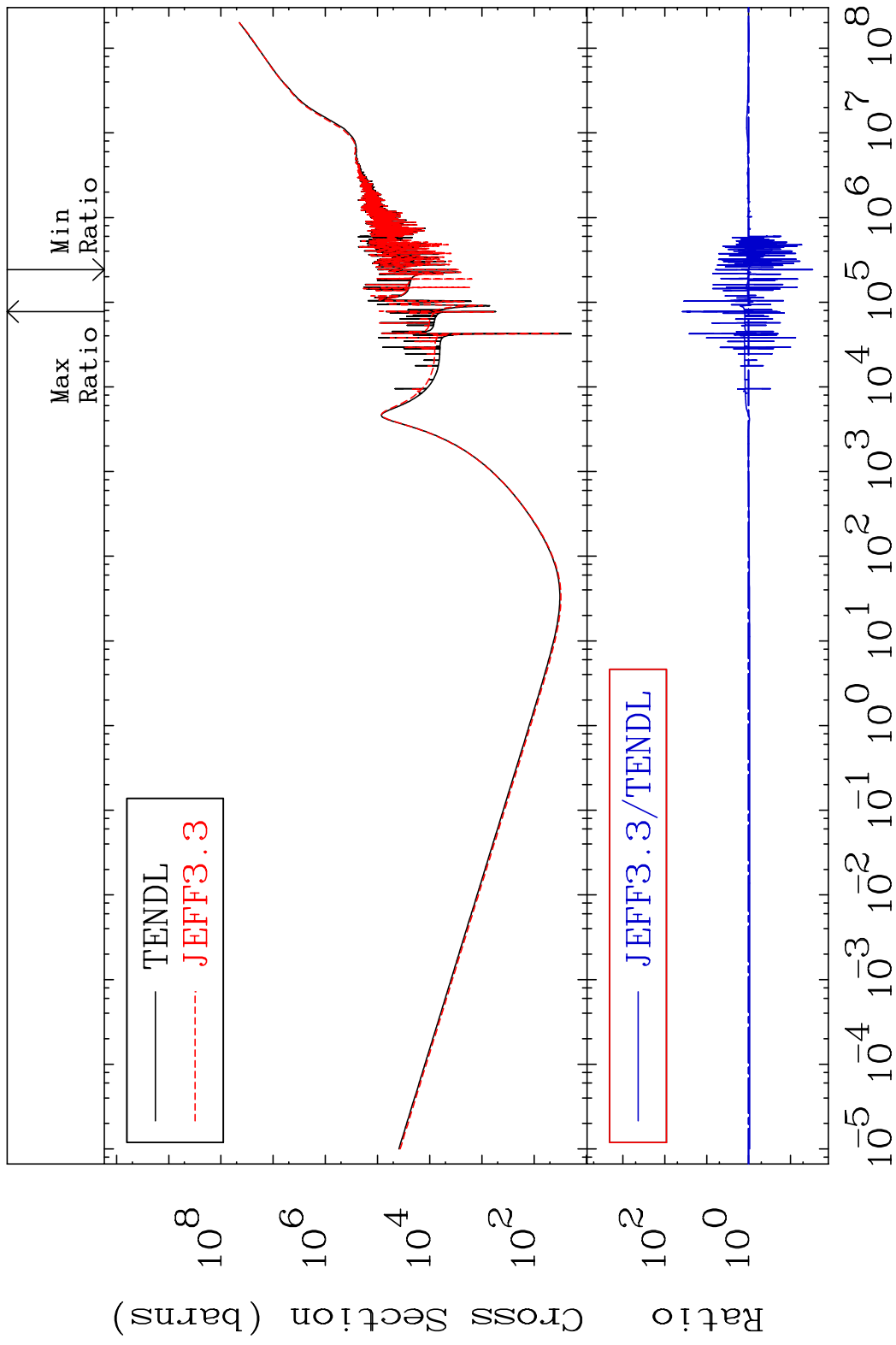


71

Incident Energy (eV)

28-Ni-62

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

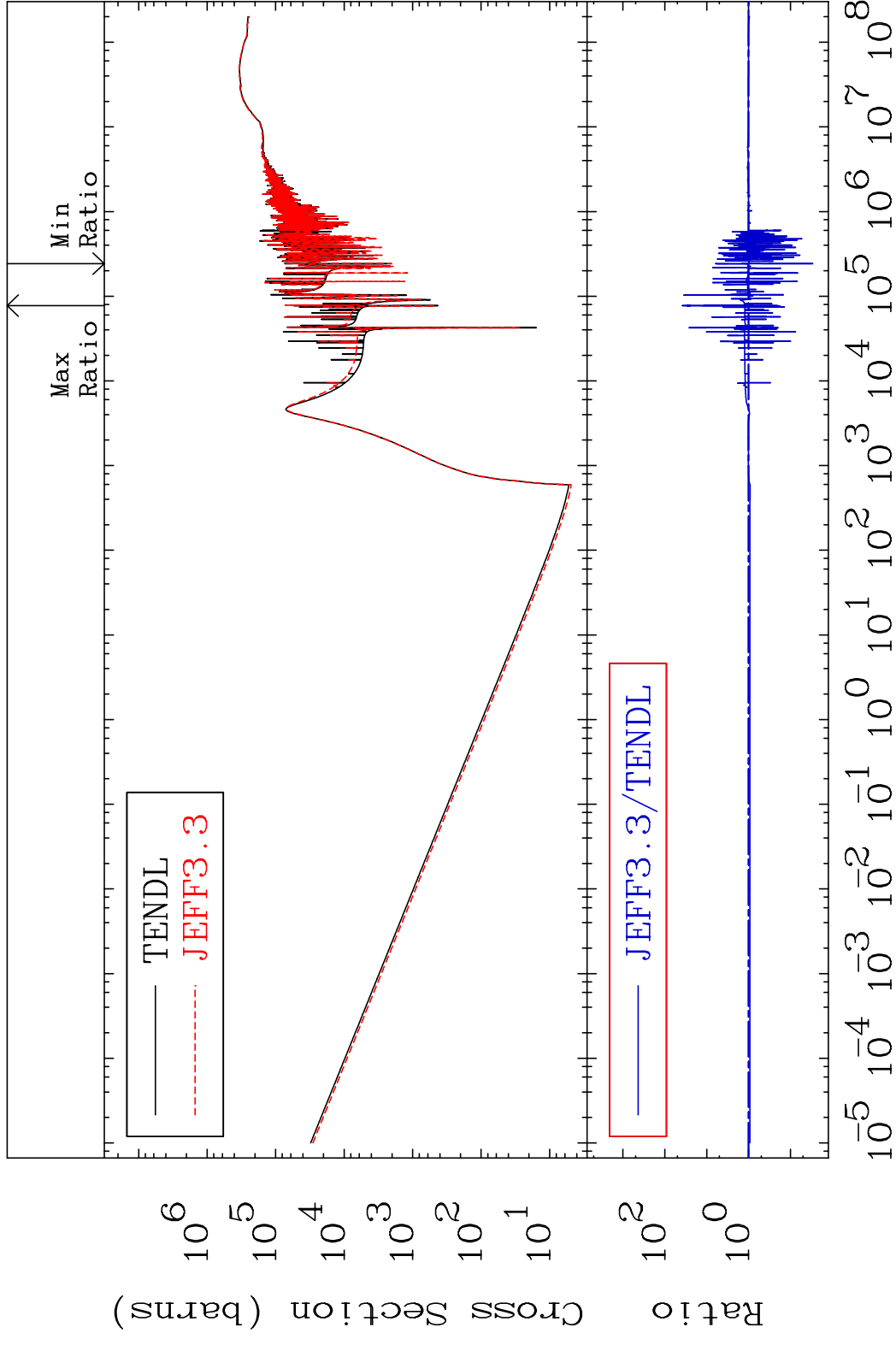


MAT 2837

Dpa total (eV-barns)

28-Ni-62

Cross Section -97.03 To 3720. %



73

Incident Energy (eV)

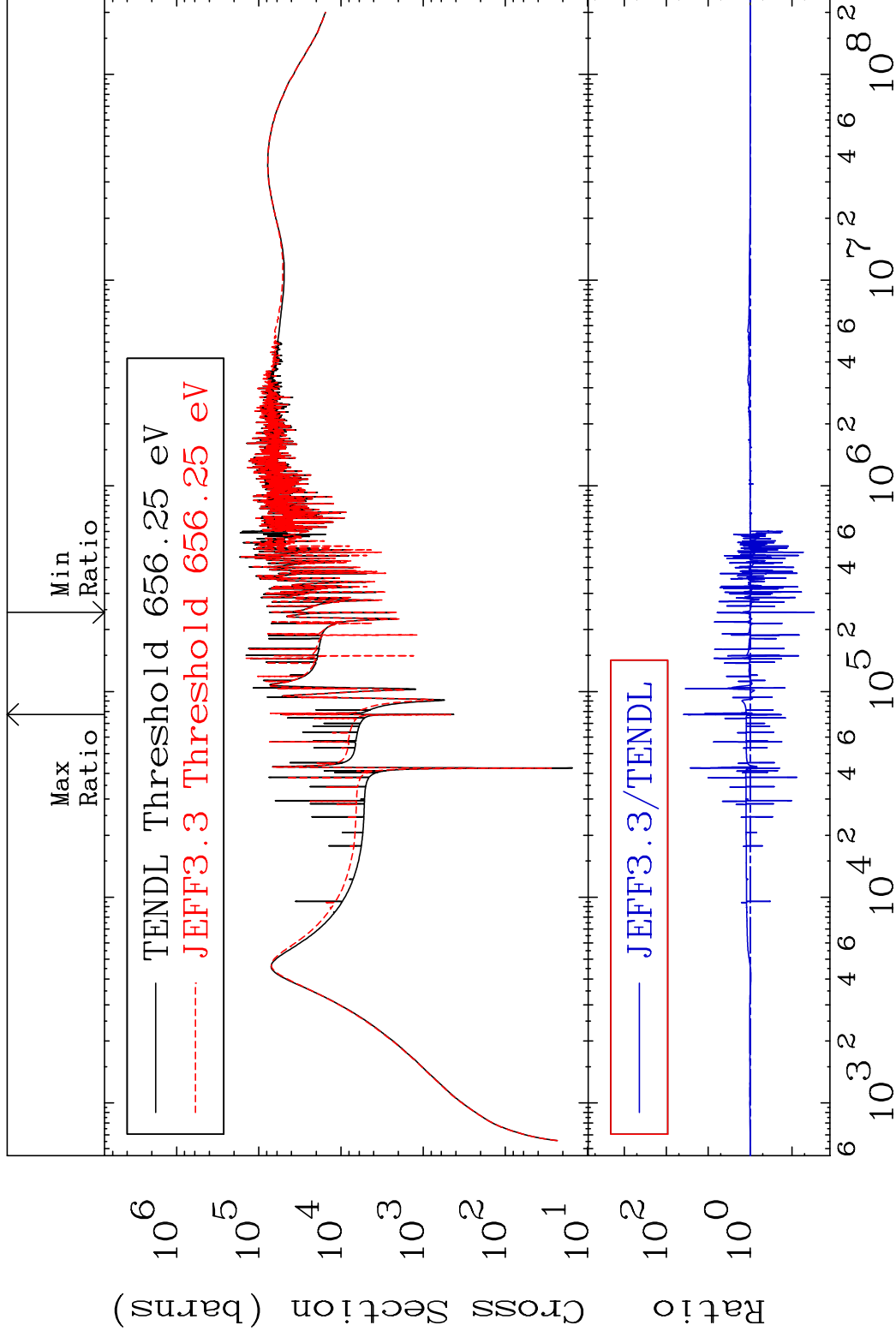
28-Ni-62

MAT 2837

Dpa elastic (mt2)

28-Ni-62

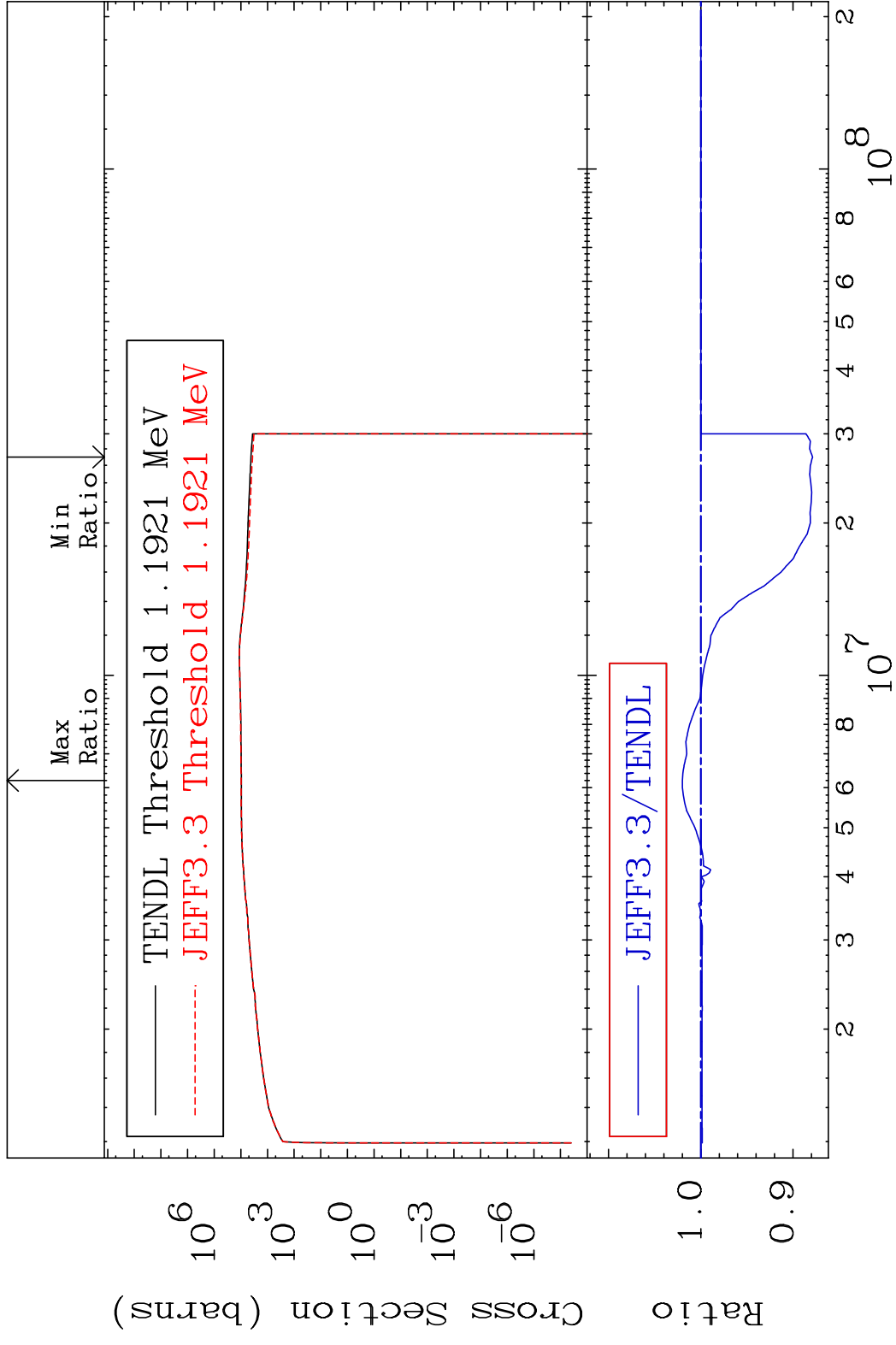
Cross Section -97.03 To 3738. %



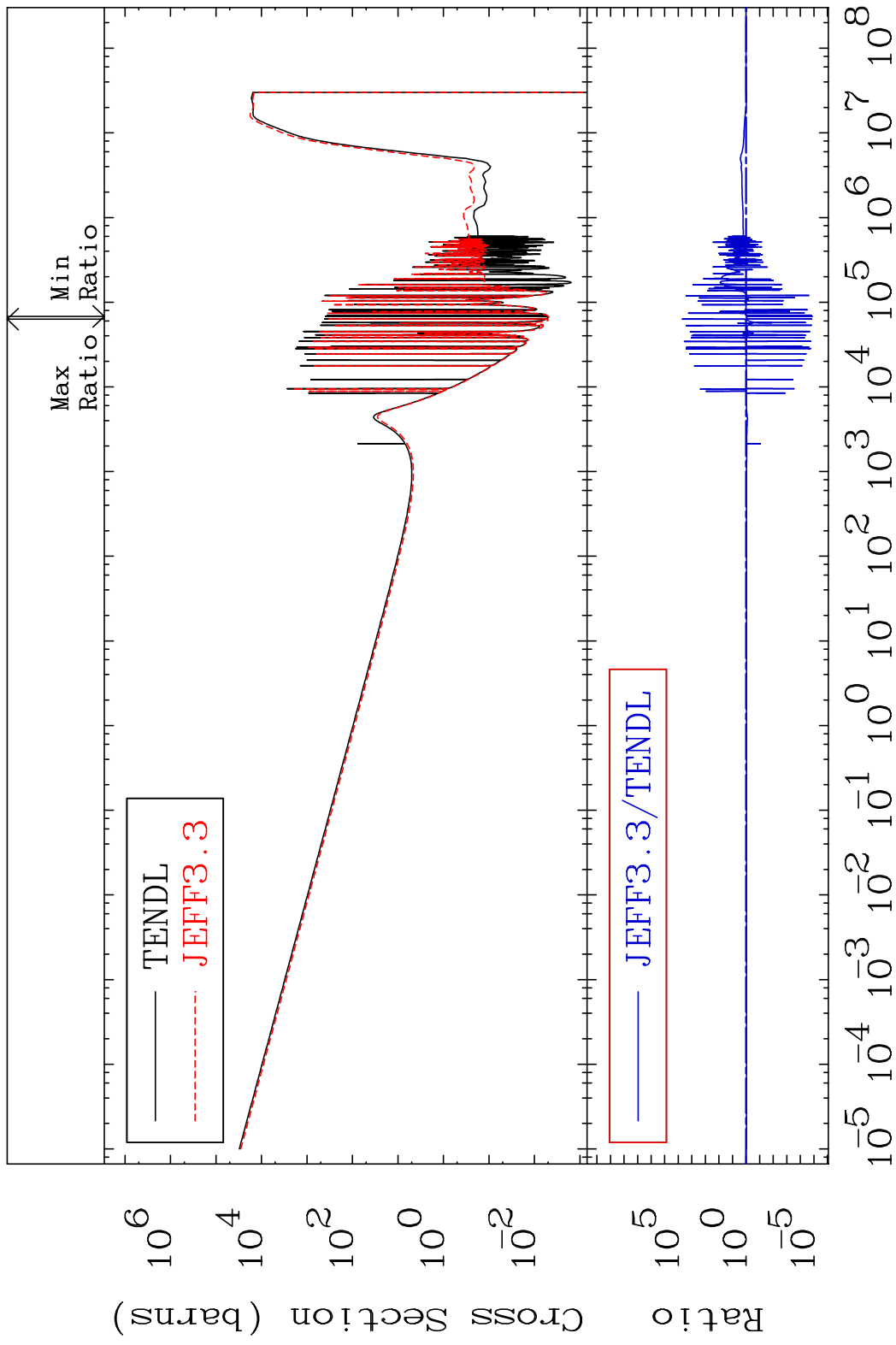
74

Incident Energy (eV)

28-Ni-62

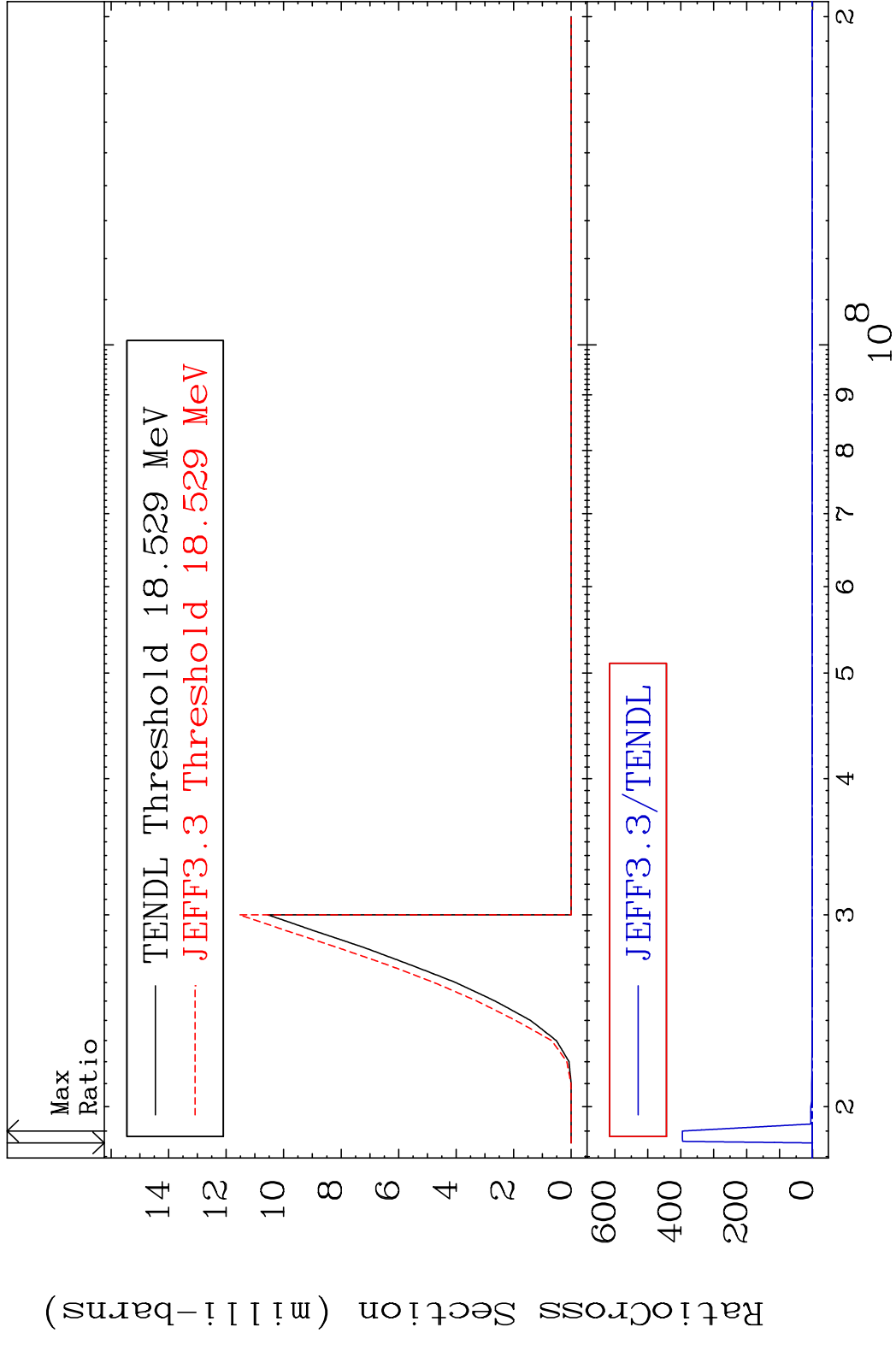


MAT 2837 Dpa disappearance (mt102 -120) 28-Ni-62
 Cross Section -100.0 To 9999. %

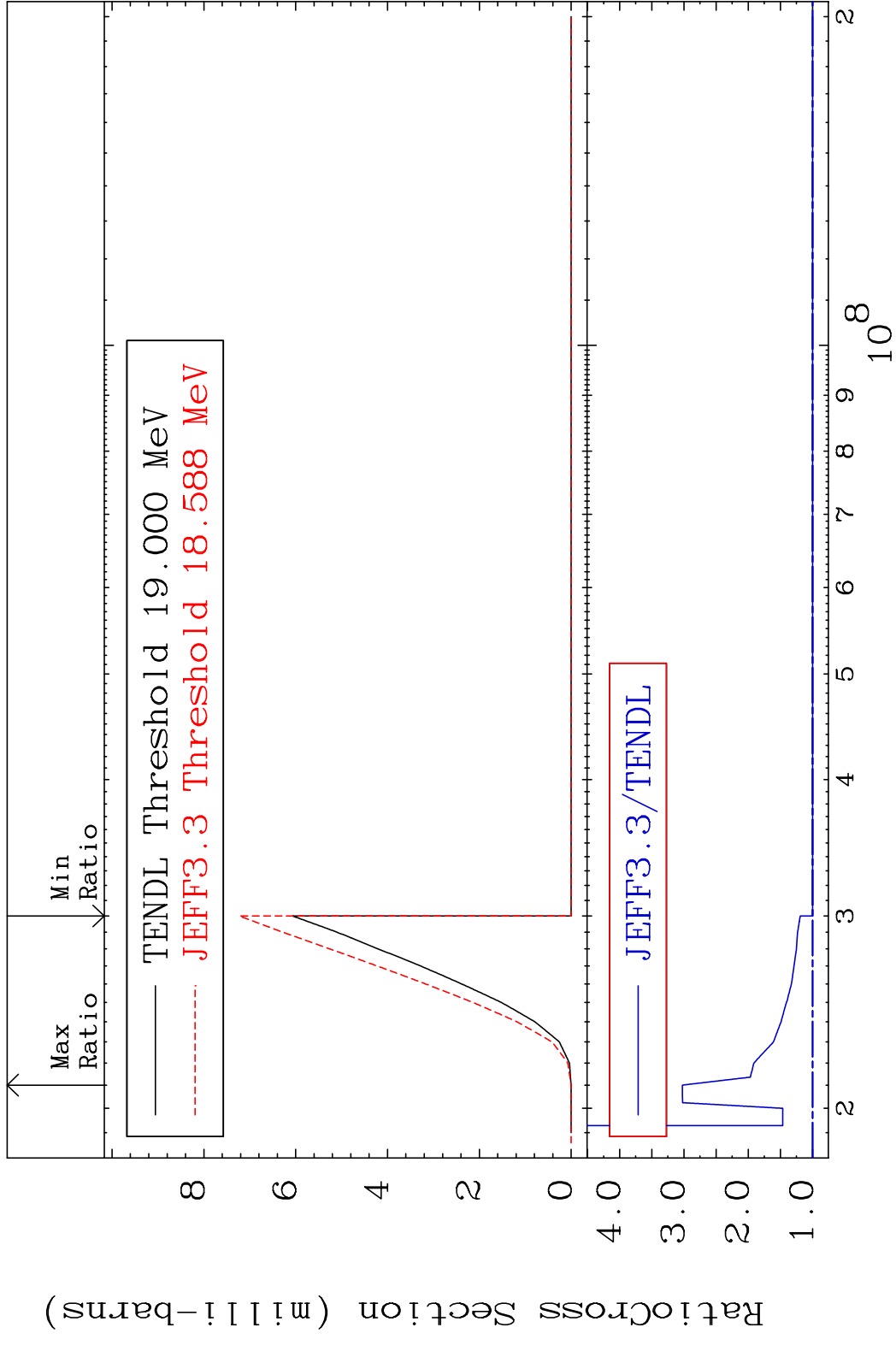


76 Incident Energy (eV) 28-Ni-62

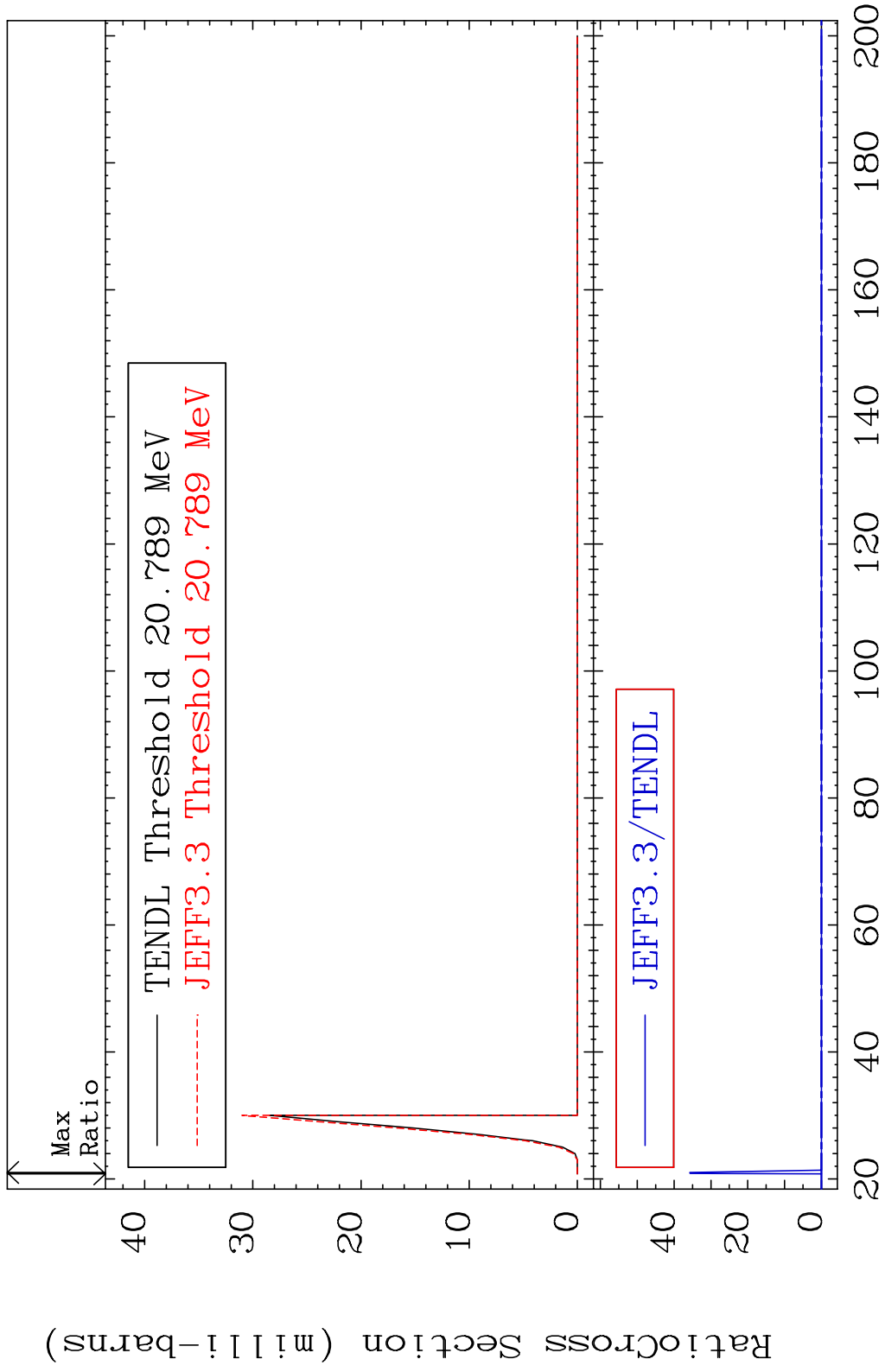
MAT 2837 (n, n') d:27-Co-60g 28-Ni-62
 Radionuclide Production Cross Section 100.00 dno 9999. %



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

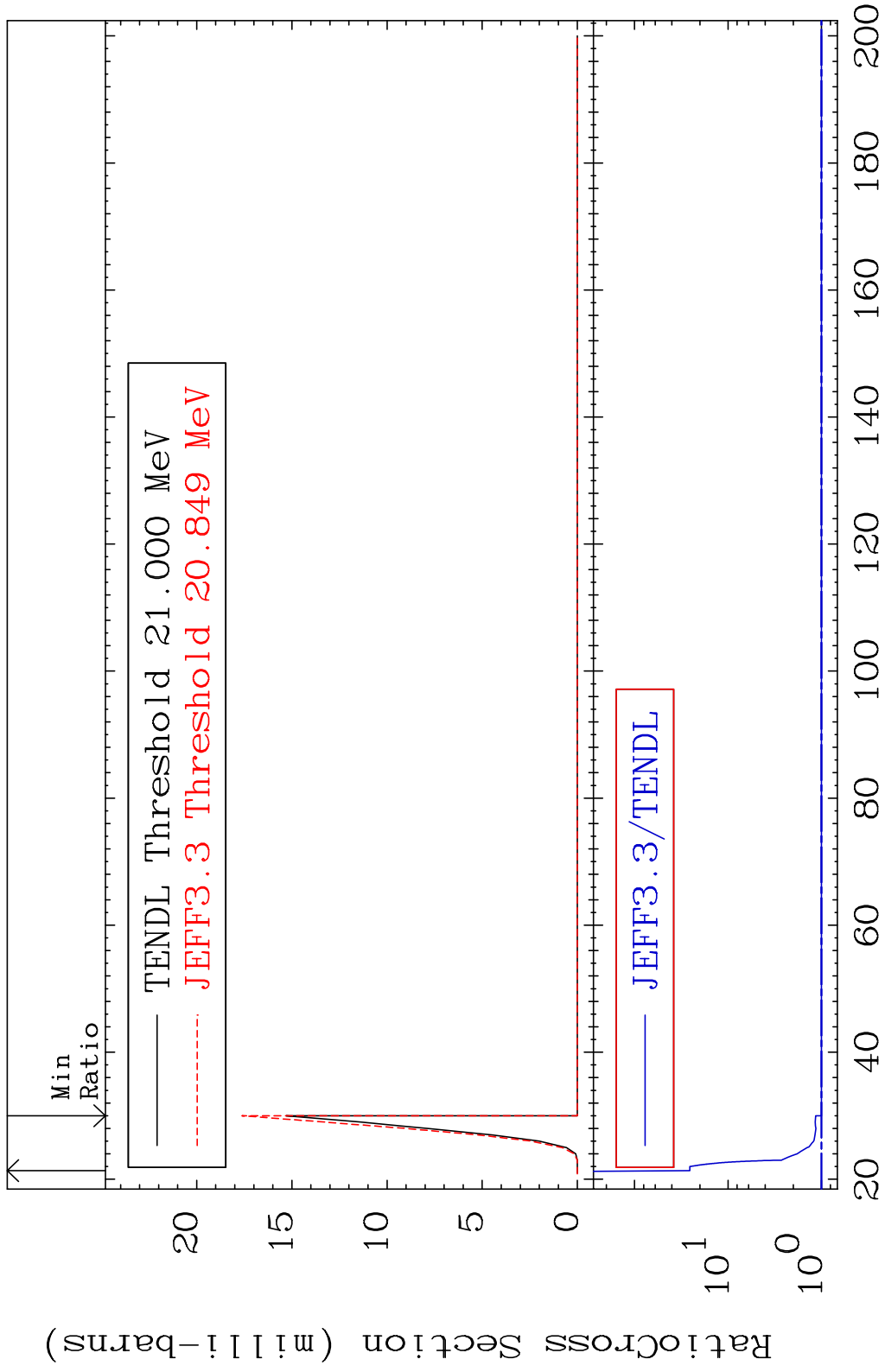


MAT 2837 (n,2n) p:27-Co-60g 28-Ni-62
 Radionuclide Production Cross Section 100.00 dth 9999. %



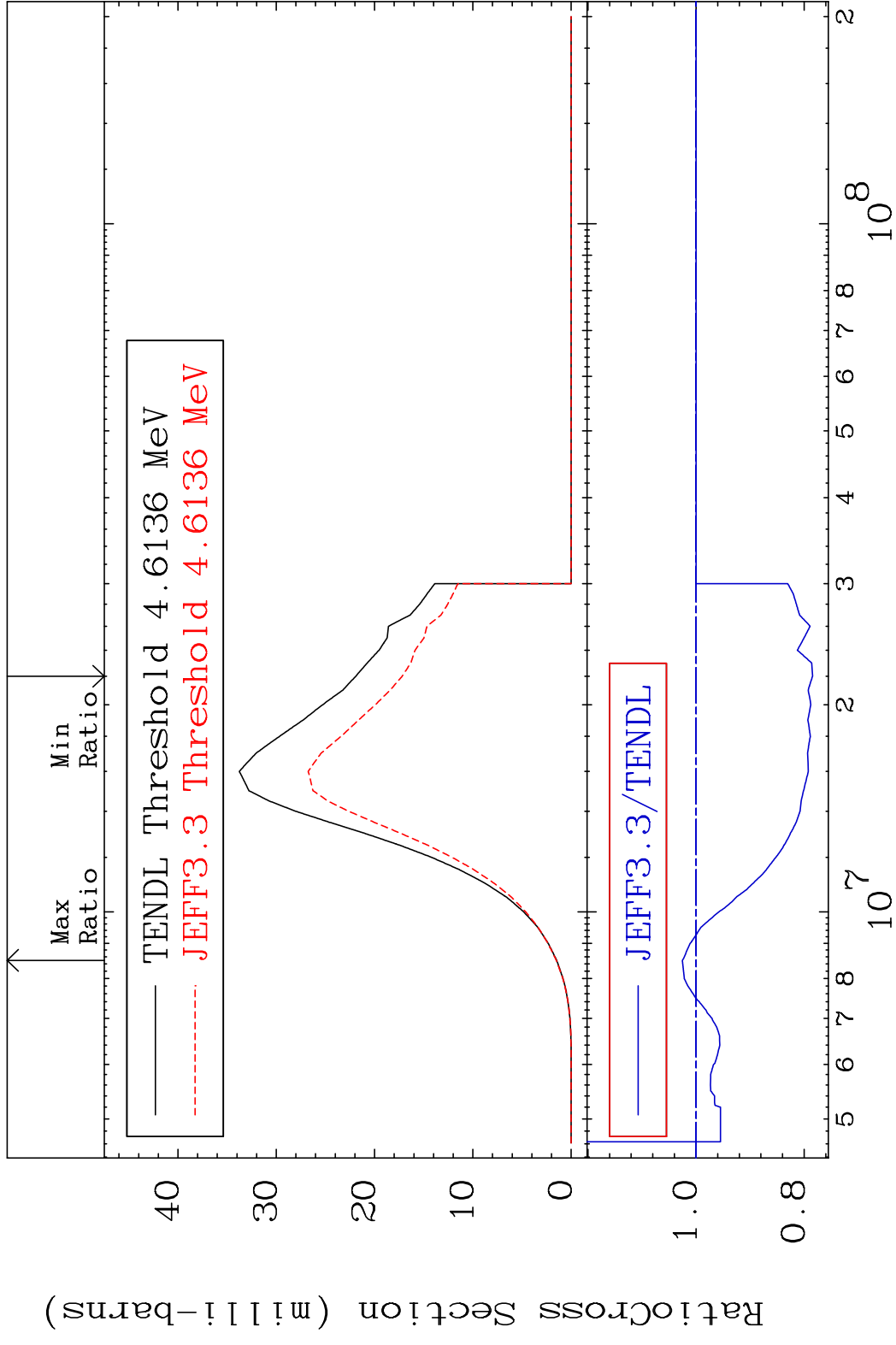
79 Incident Energy (MeV) 28-Ni-62

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

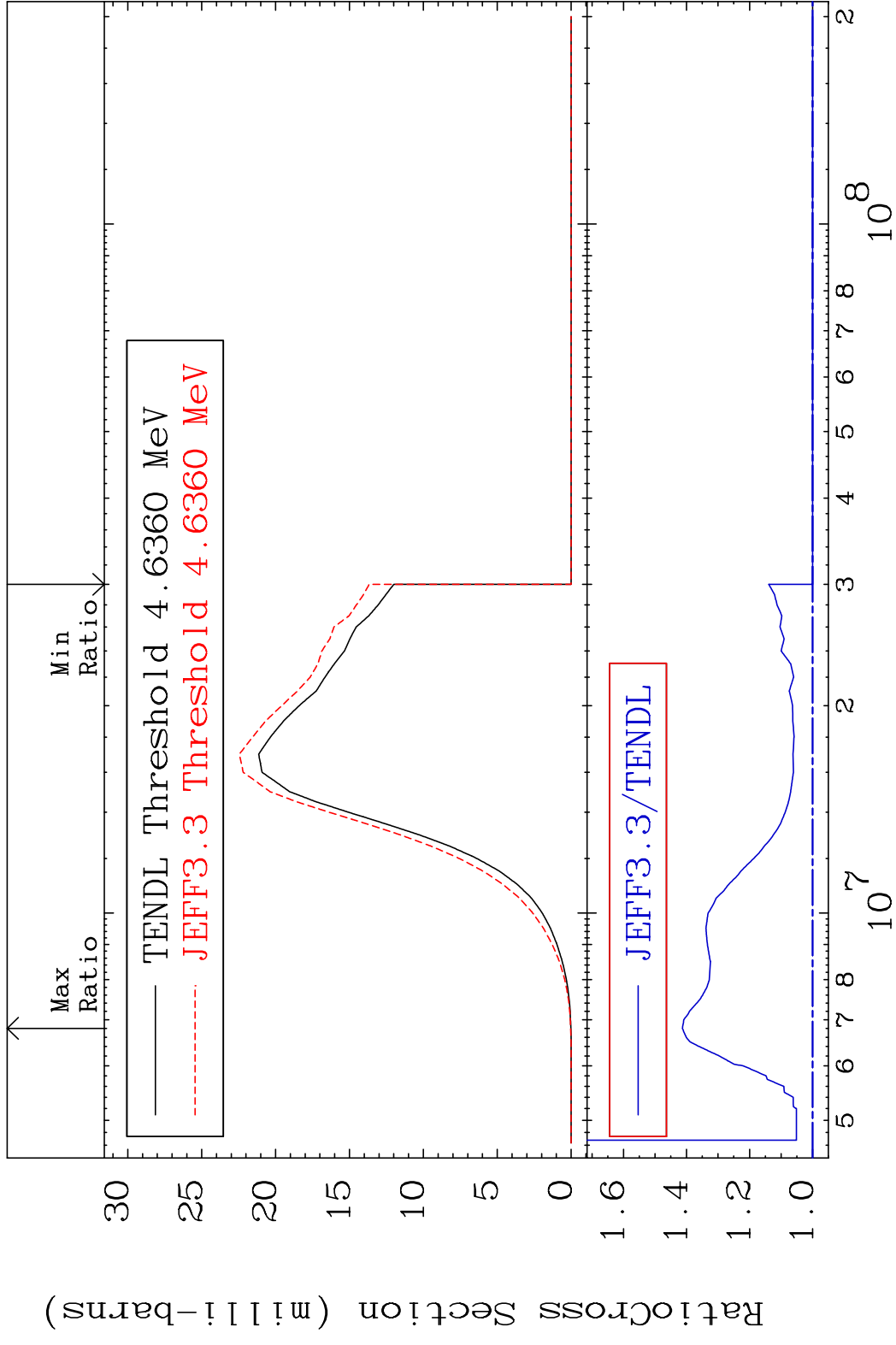


80 Incident Energy (MeV) 28-Ni-62

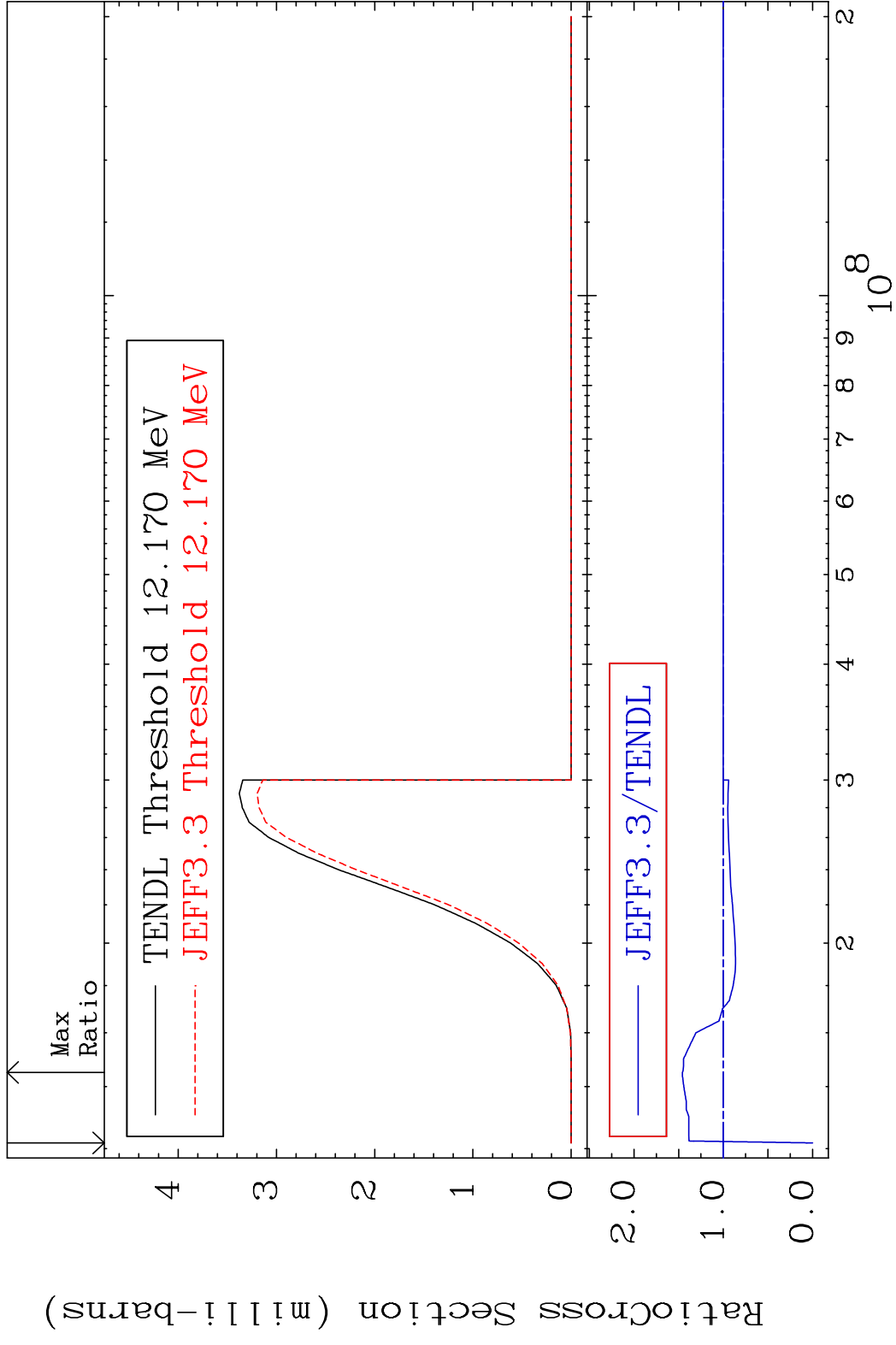
MAT 2837 (n,p):27-Co-62g 28-Ni-62
 Radionuclide Production Cross Section 2.533 %



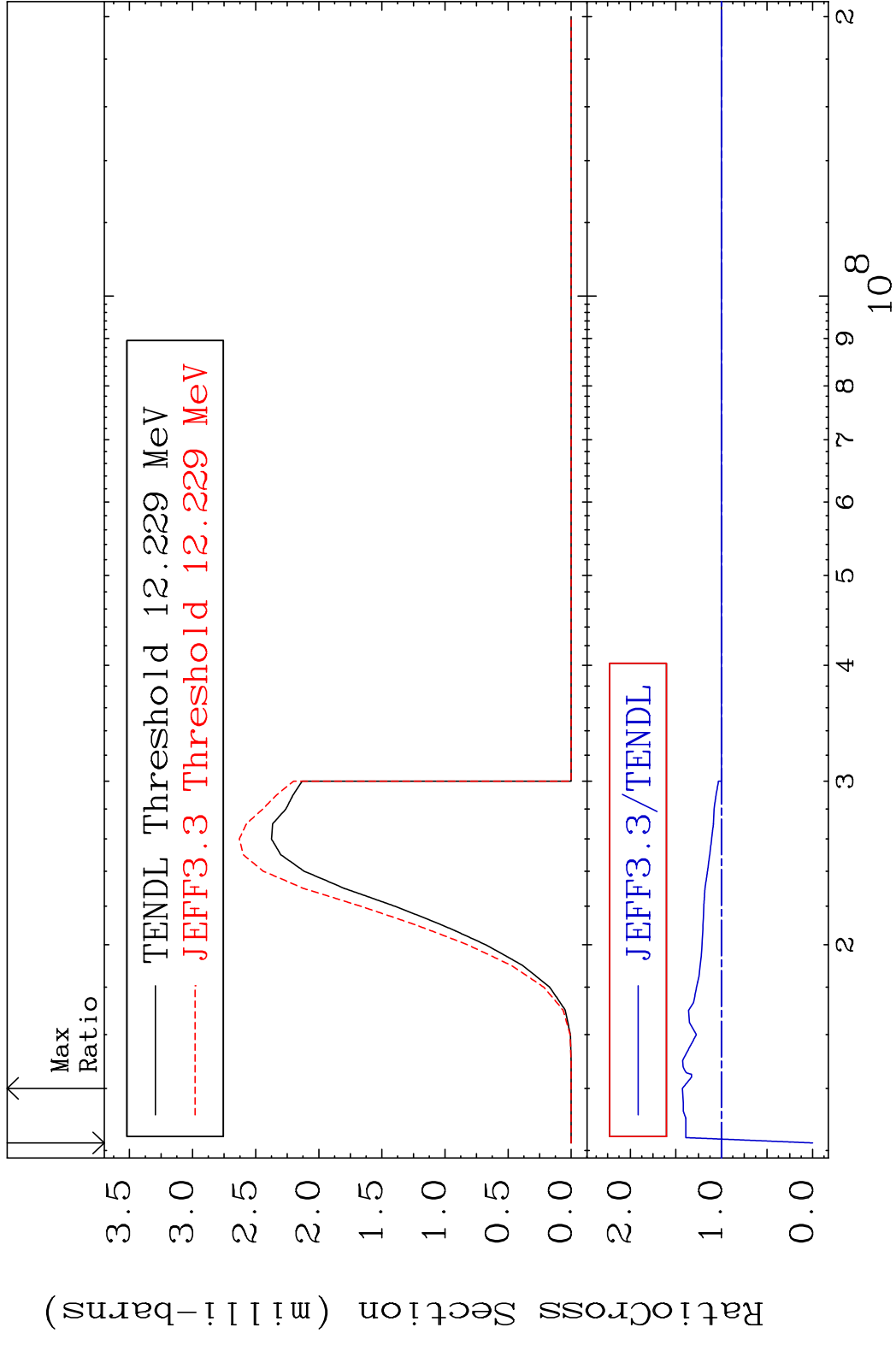
MAT 2837 (n,p):27-Co-62m1 28-Ni-62
 Radionuclide Production Cross Section 41.33 %



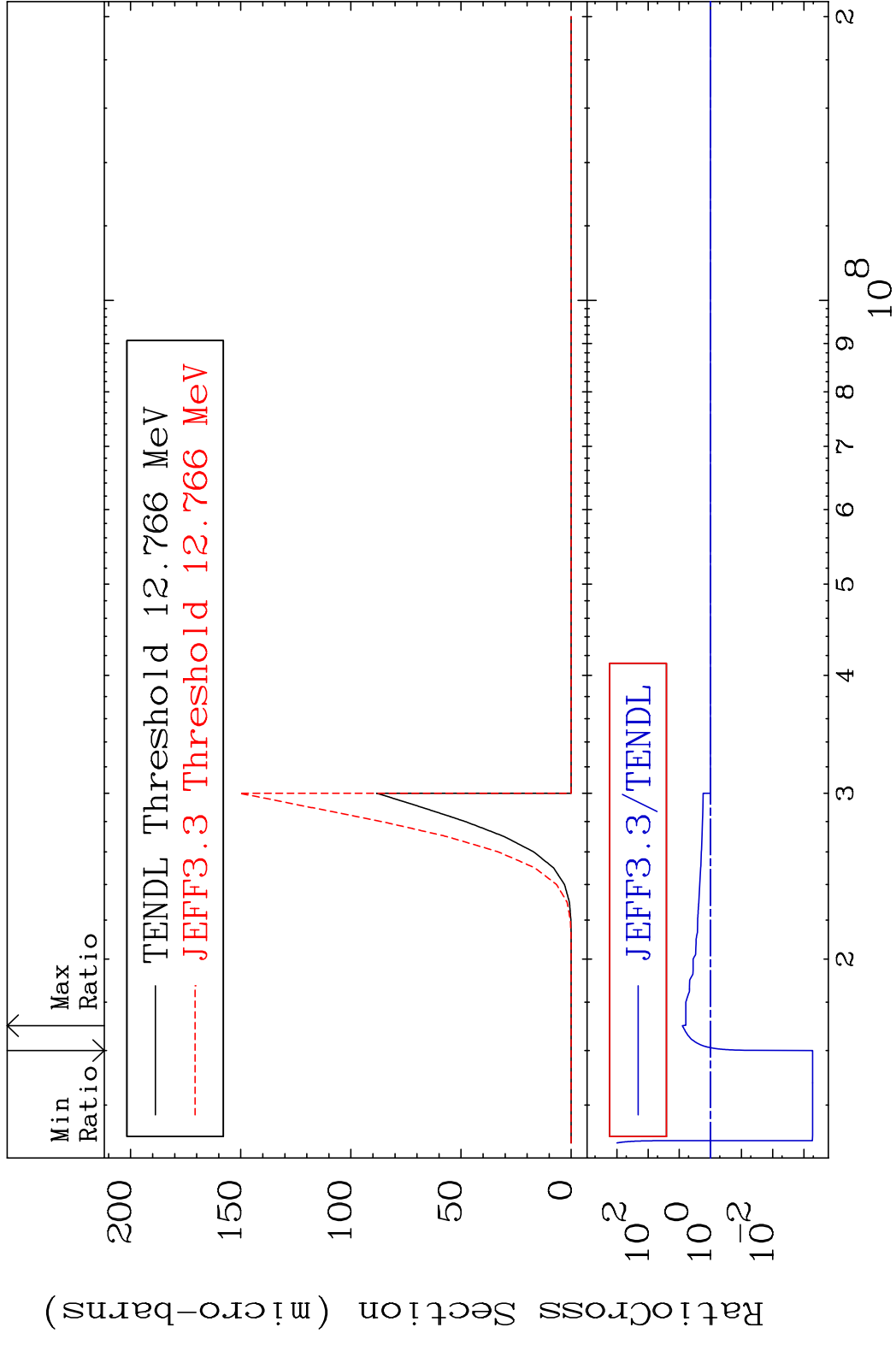
MAT 2837 (n, t): 27-Co-60g 28-Ni-62
 Radionuclide Production Cross Section 180.01 dpo 45.85 %



MAT 2837 (n,t):27-Co-60m1 28-Ni-62
 Radionuclide Production Cross Section 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 180.0 dth 655.0 %

