

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

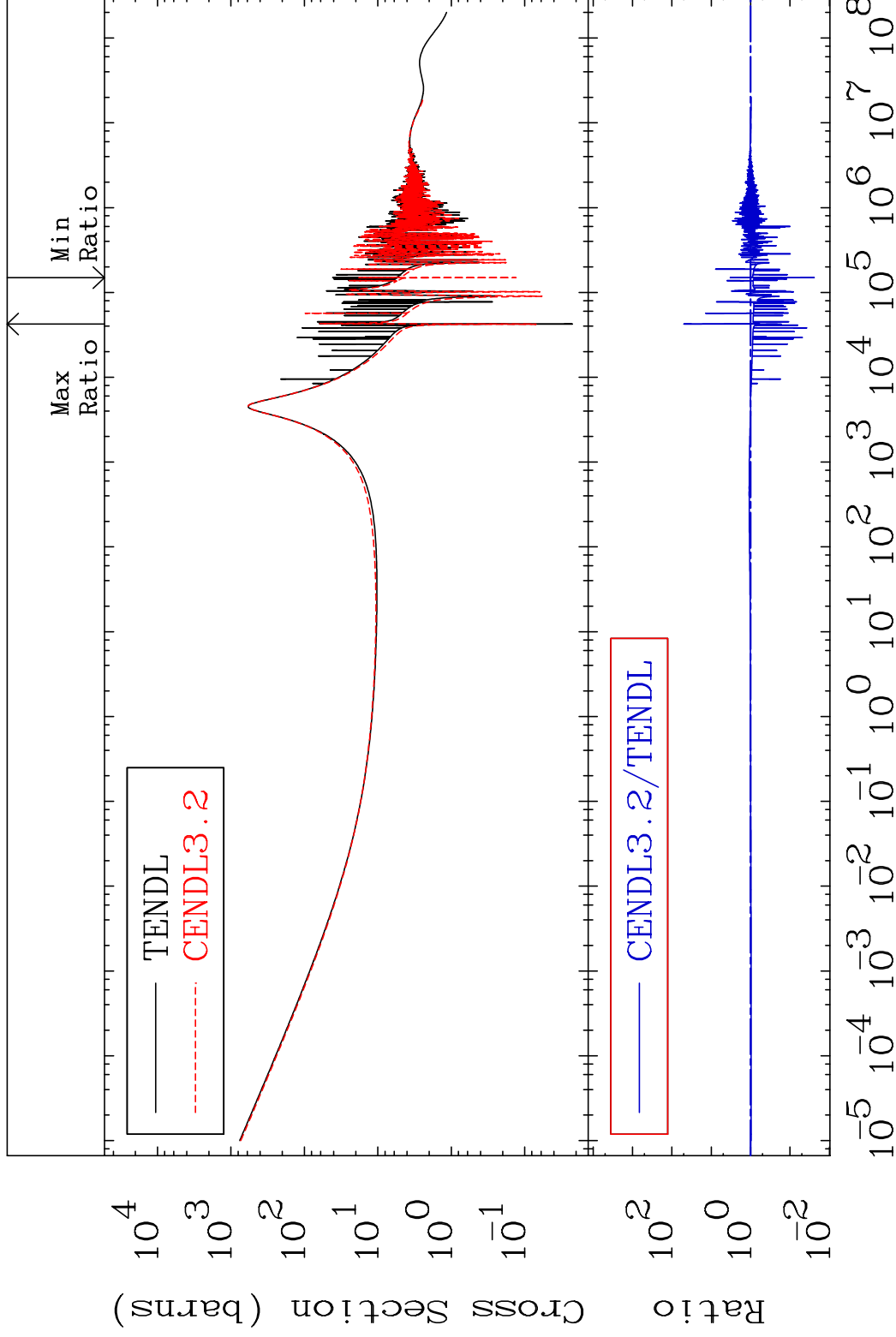
MAT 2837

Total

28-Ni-62

Cross Section

-97.55 To 4926. %



1

Incident Energy (eV)

28-Ni-62

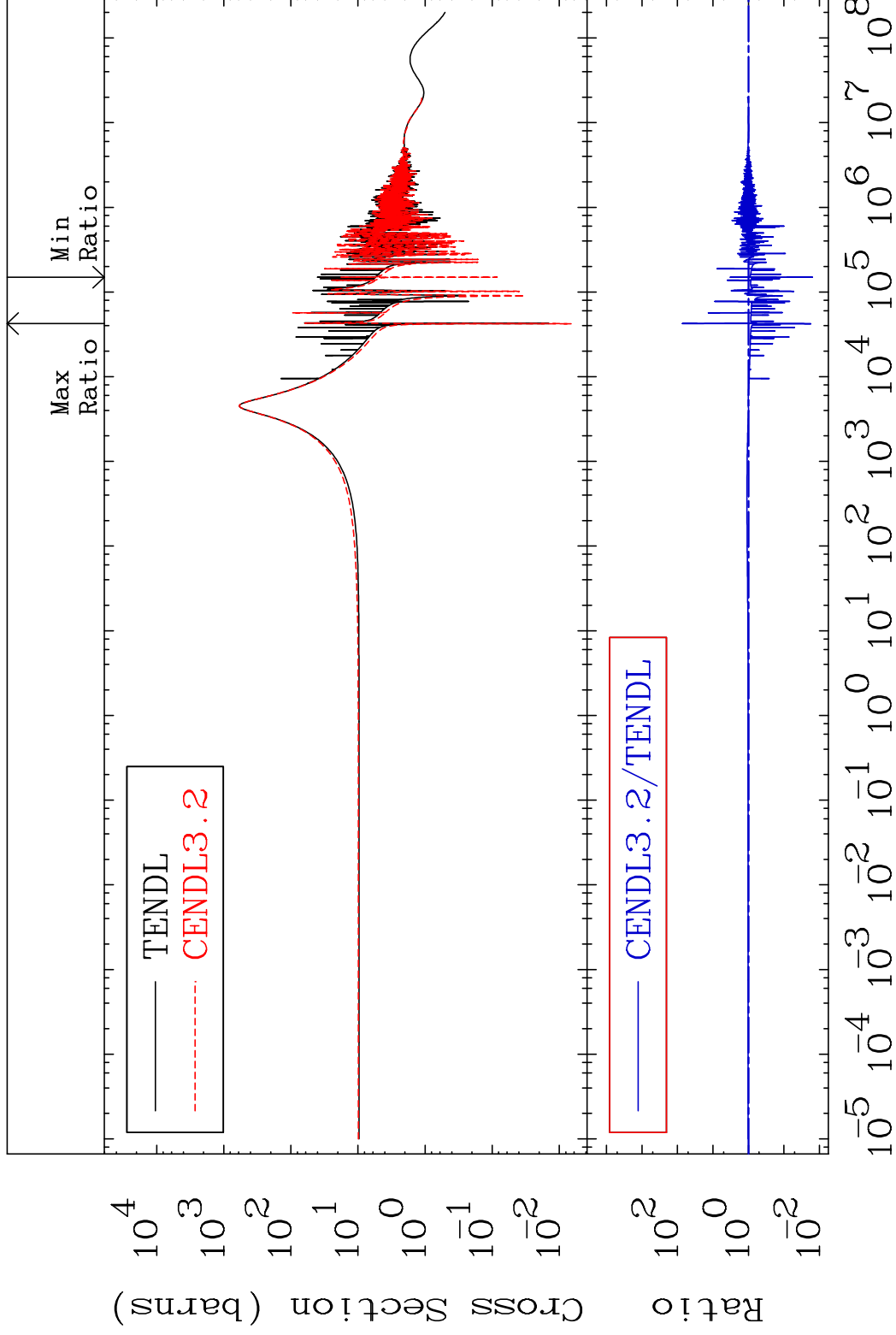
MAT 2837

Elastic

28-Ni-62

Cross Section

-98.44 To 7182. %

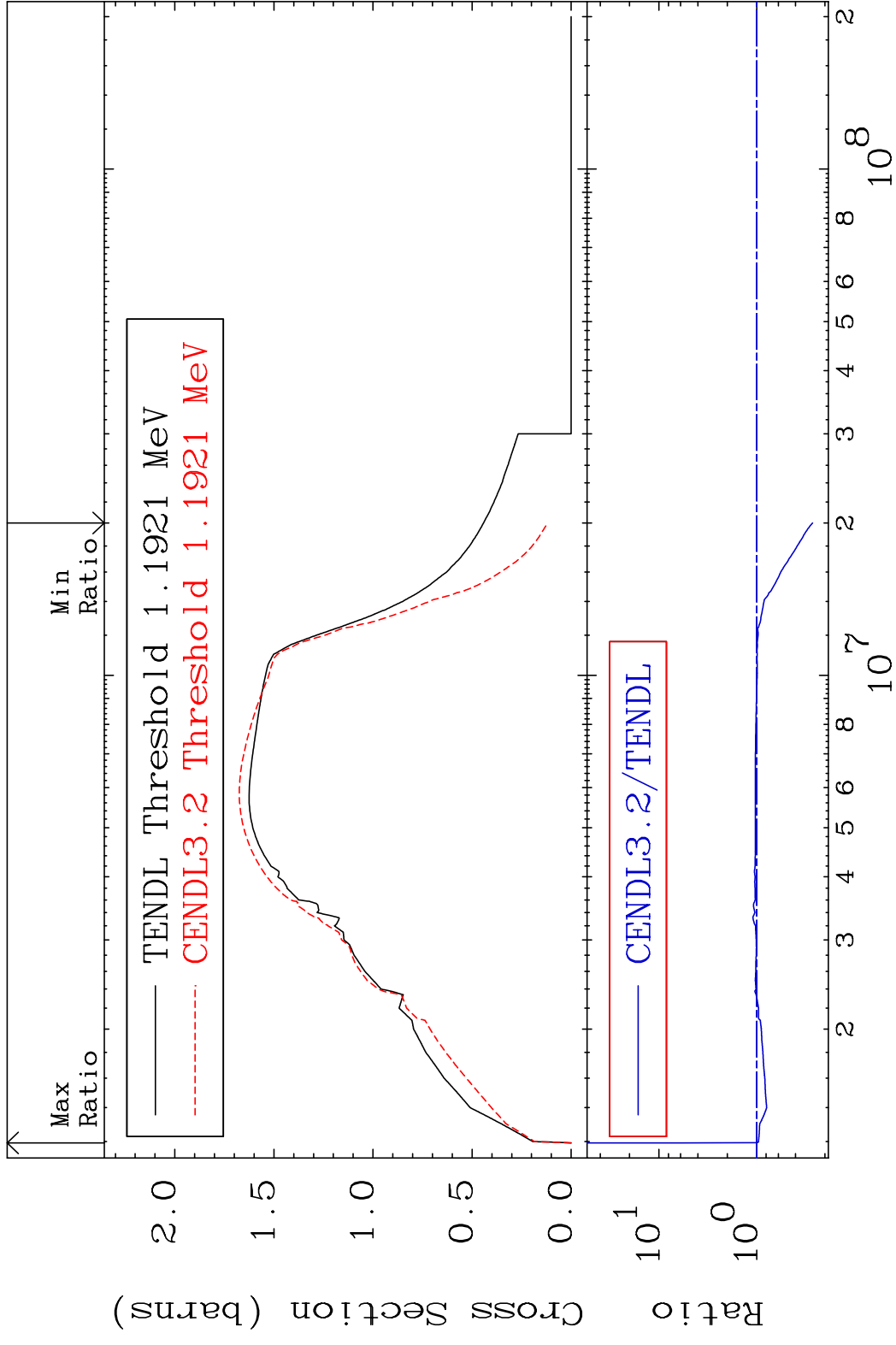


2

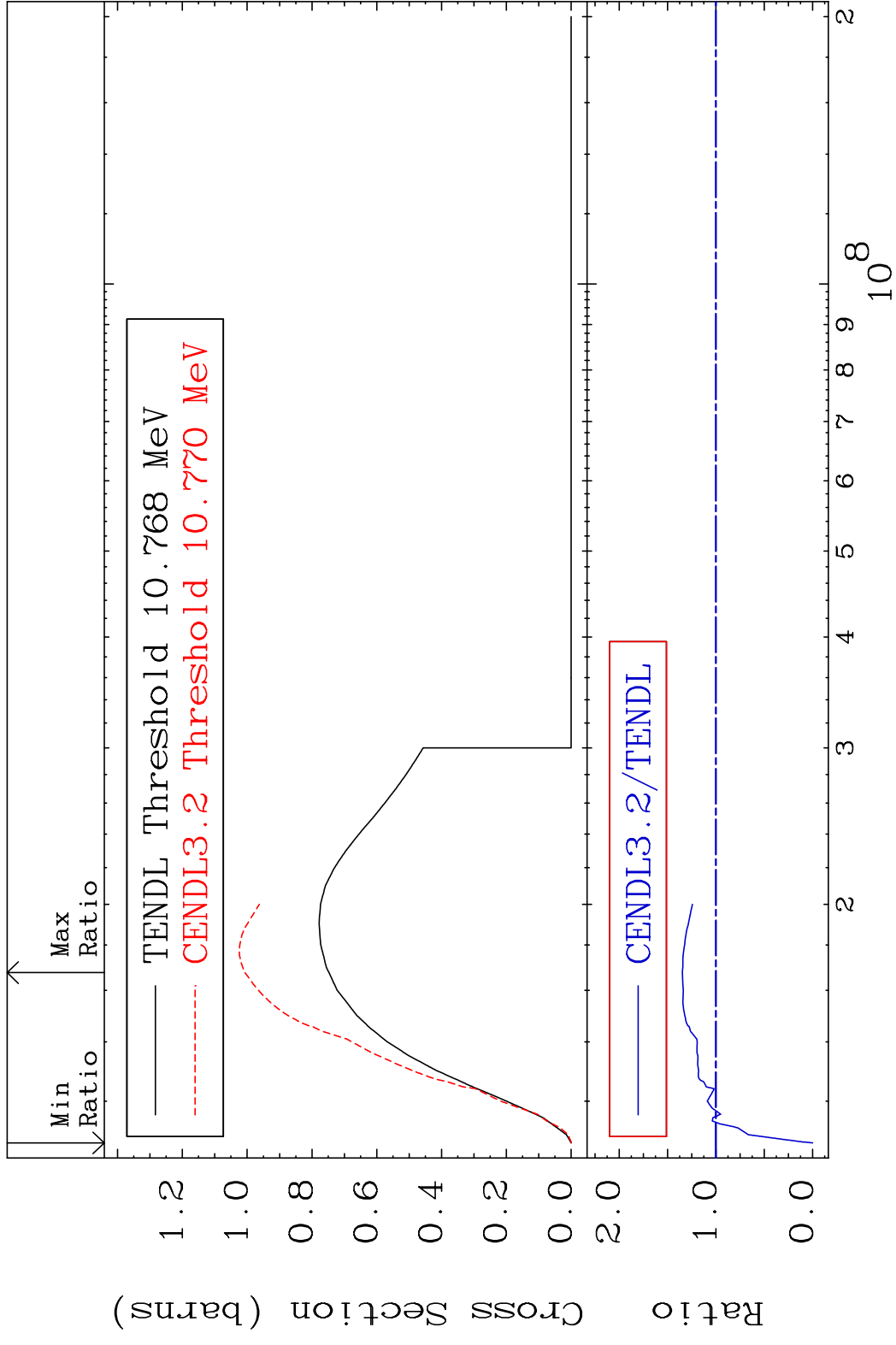
Incident Energy (eV)

28-Ni-62

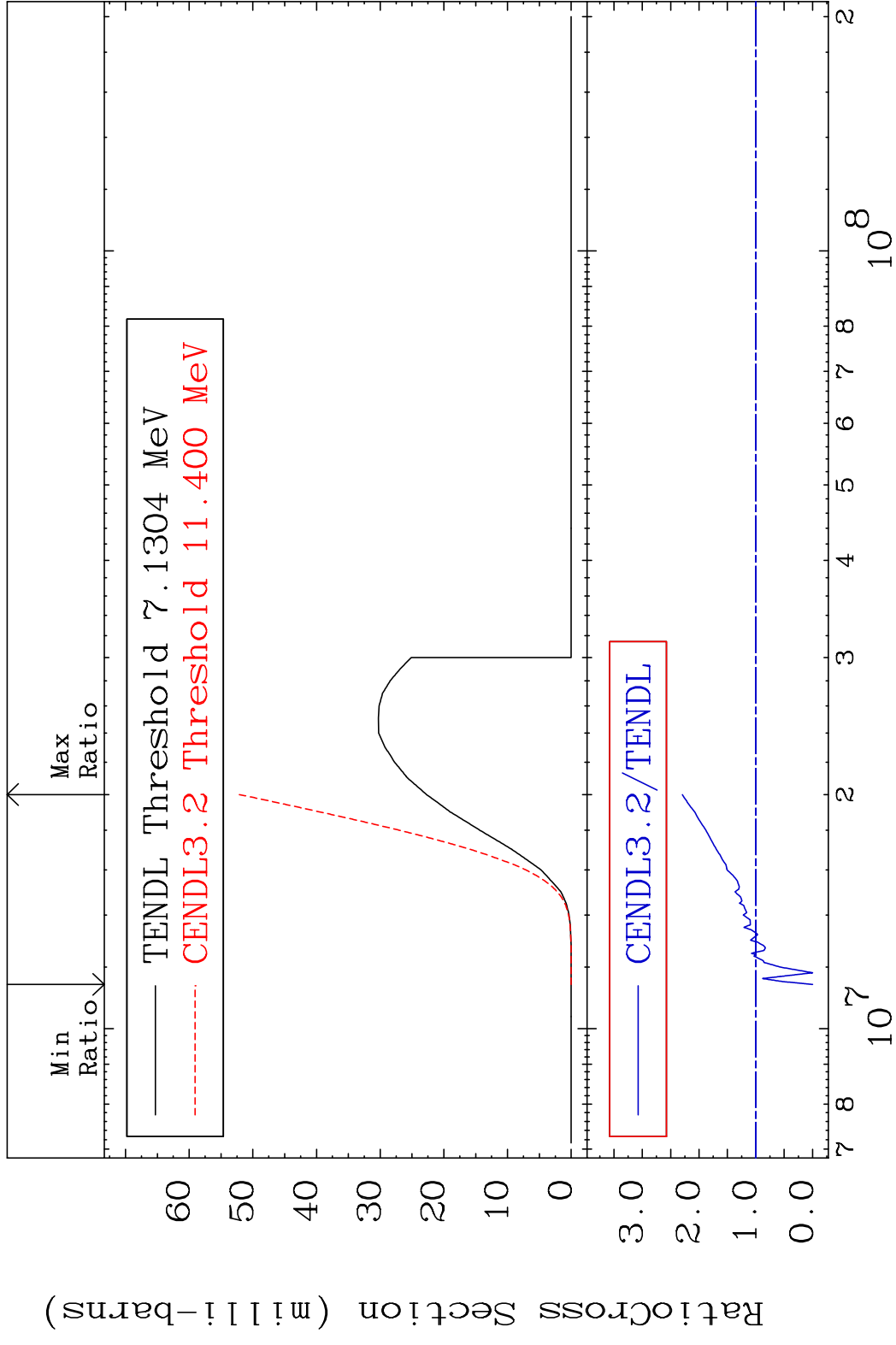
MAT 2837 Inelastic 28-Ni-62
 Cross Section -73.24 To 476.3 %



MAT 2837 (n,2n) 28-Ni-62
 Cross Section -100.0 To 34.66 %



MAT 2837 (n, n') α 28-Ni-62
 Cross Section -100.0 To 129.4 %



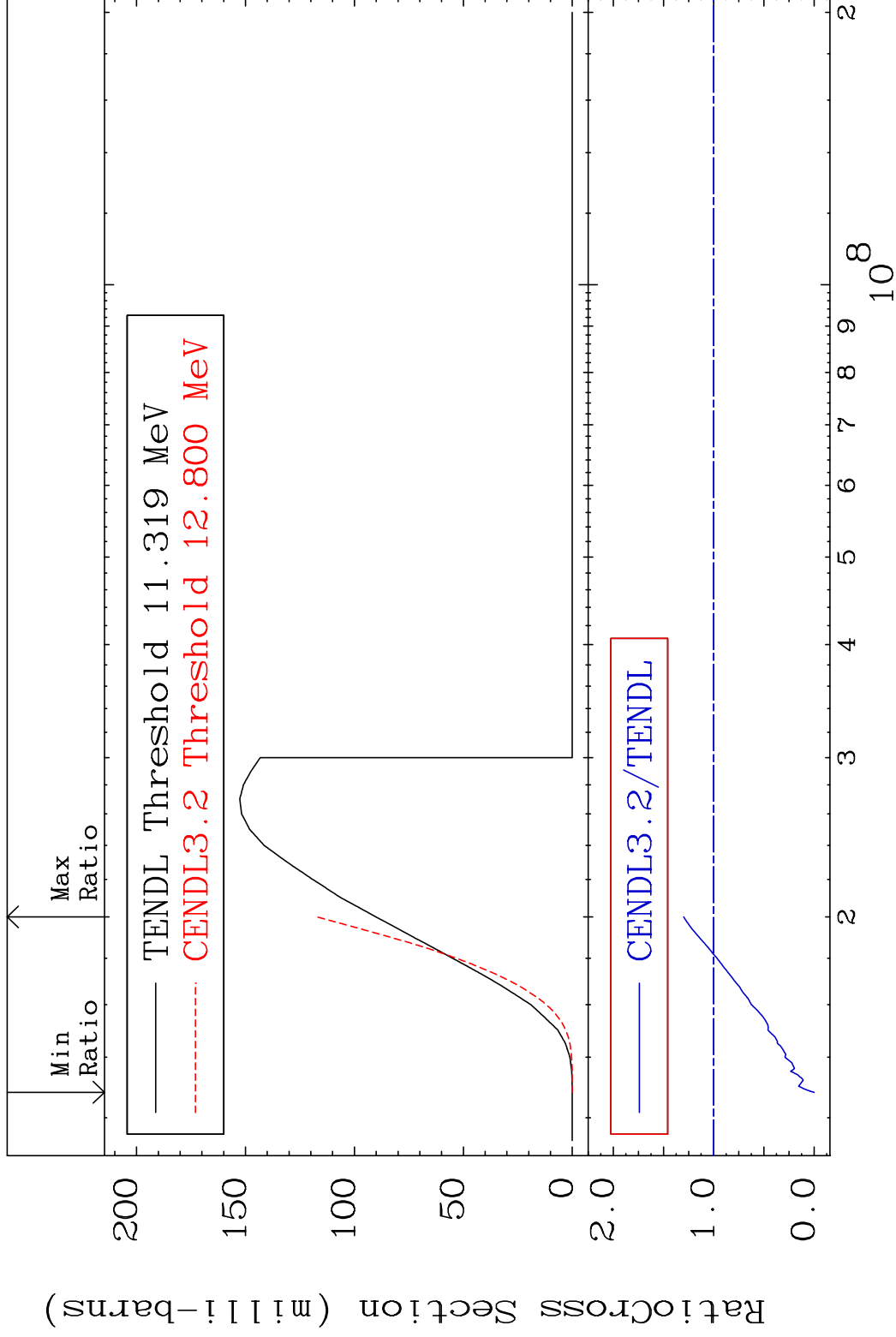
5 Incident Energy (eV) 28-Ni-62

MAT 2837

(n, n') p

28-Ni-62

Cross Section -100.0 To 29.94 %

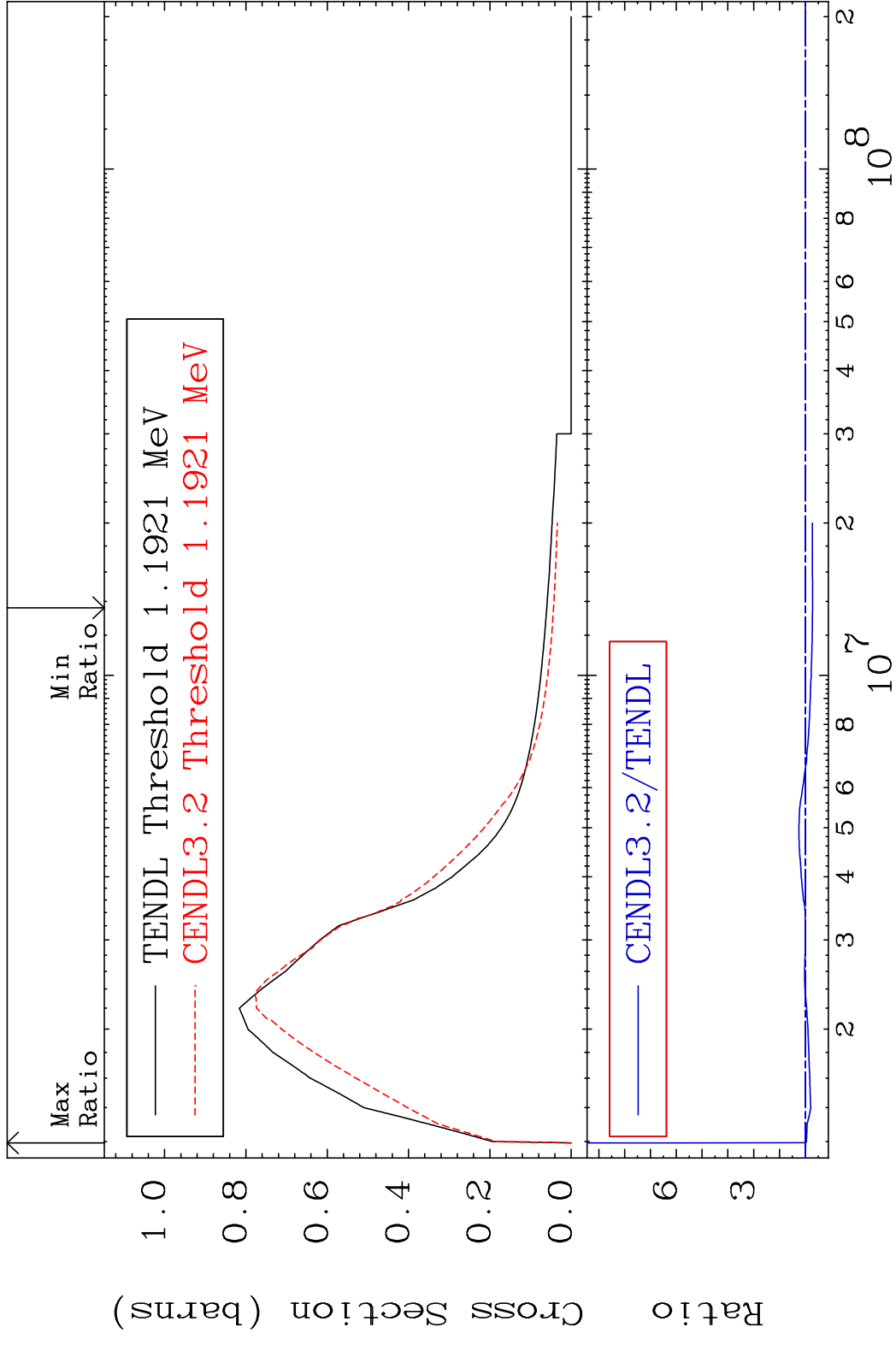


6

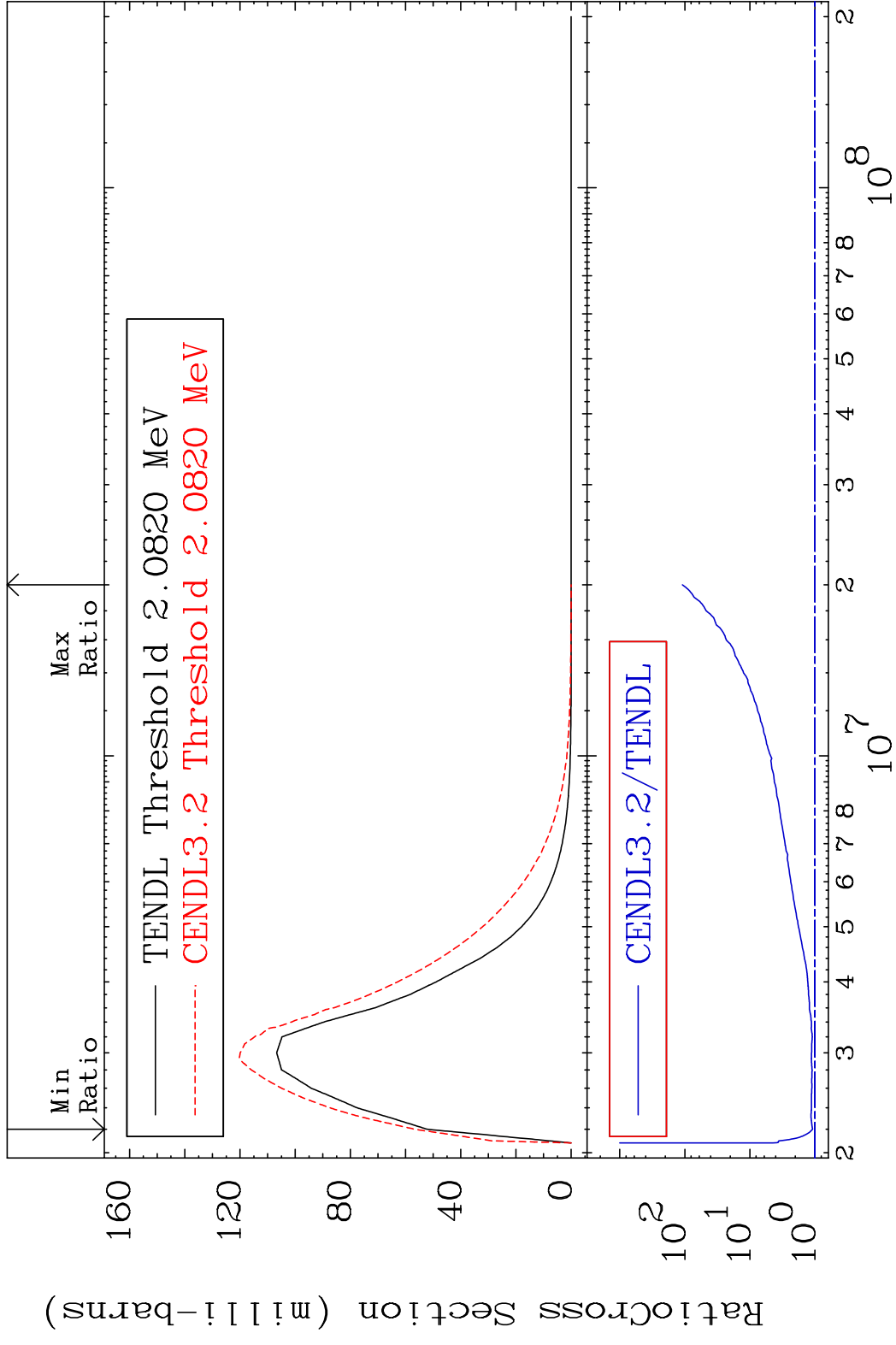
Incident Energy (eV)

28-Ni-62

MAT 2837 MT= 51 (n,n') Level 28-Ni-62
 Cross Section -28.13 To 476.3 %

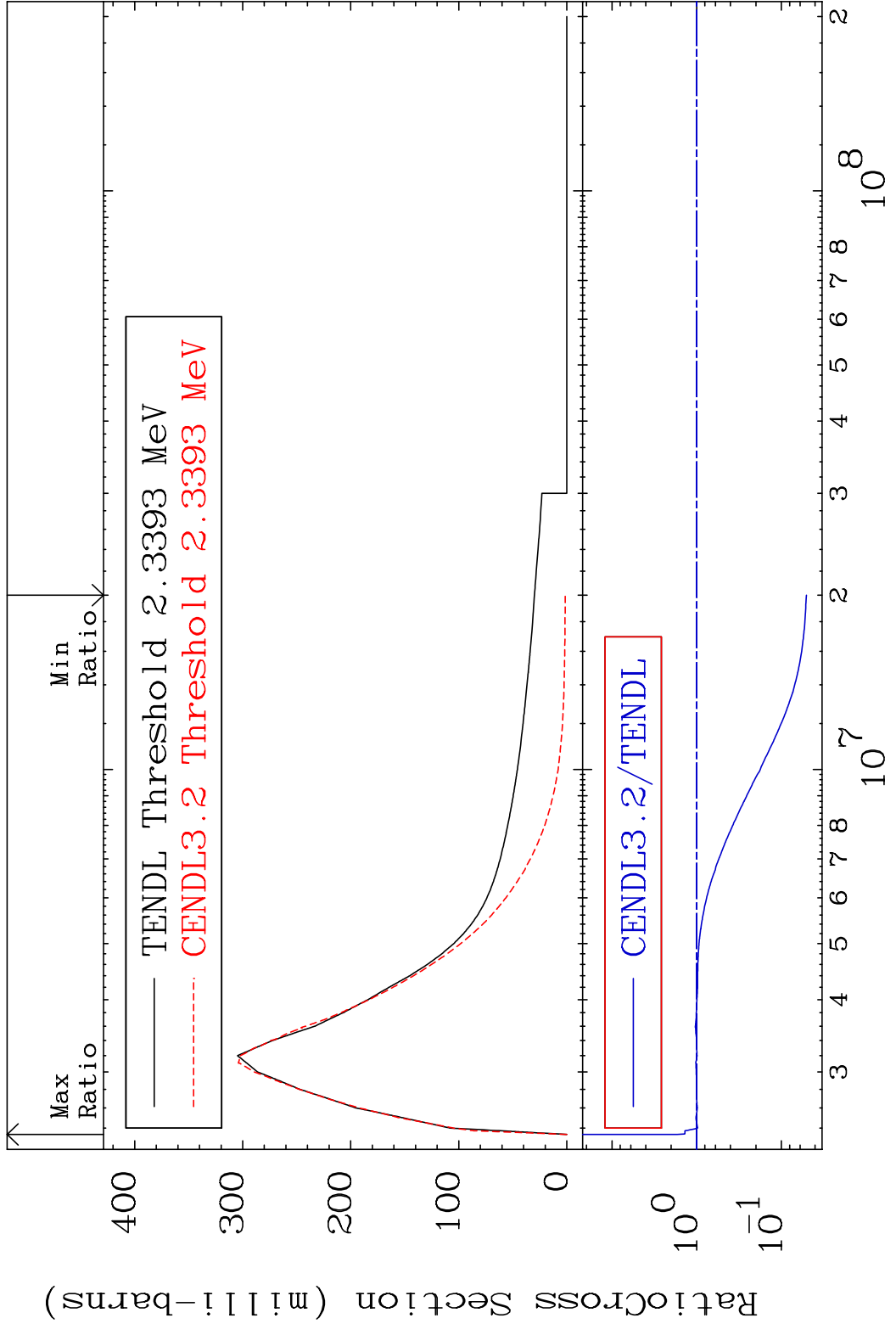


MAT 2837 MT= 52 (n, n') Level 28-Ni-62
 Cross Section 8.582 To 9999. %

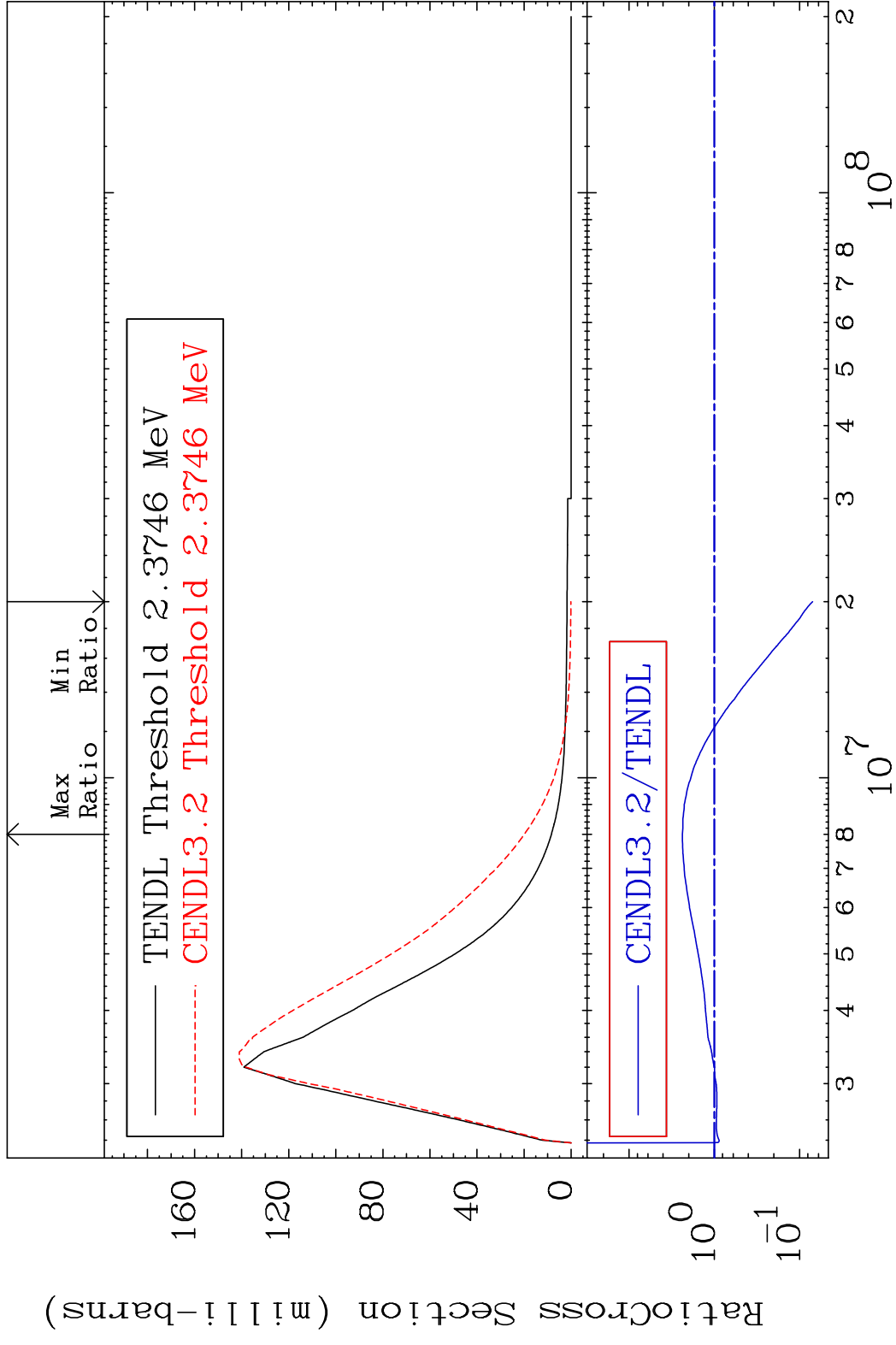


8 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 53 (n,n') Level 28-Ni-62
 Cross Section -94.93 To 69.95 %

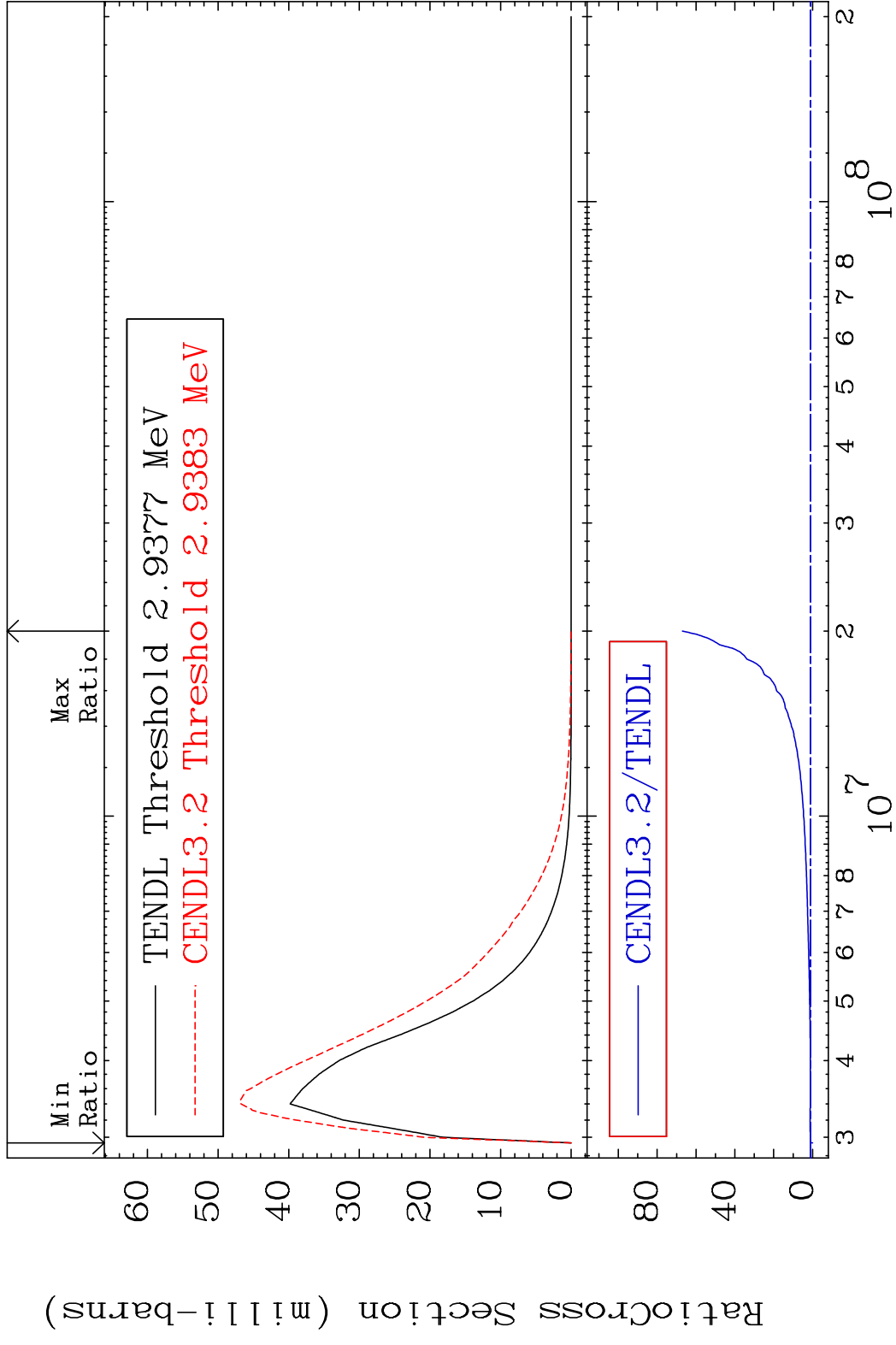


MAT 2837 MT= 54 (n,n') Level 28-Ni-62
 Cross Section -92.95 To 137.3 %

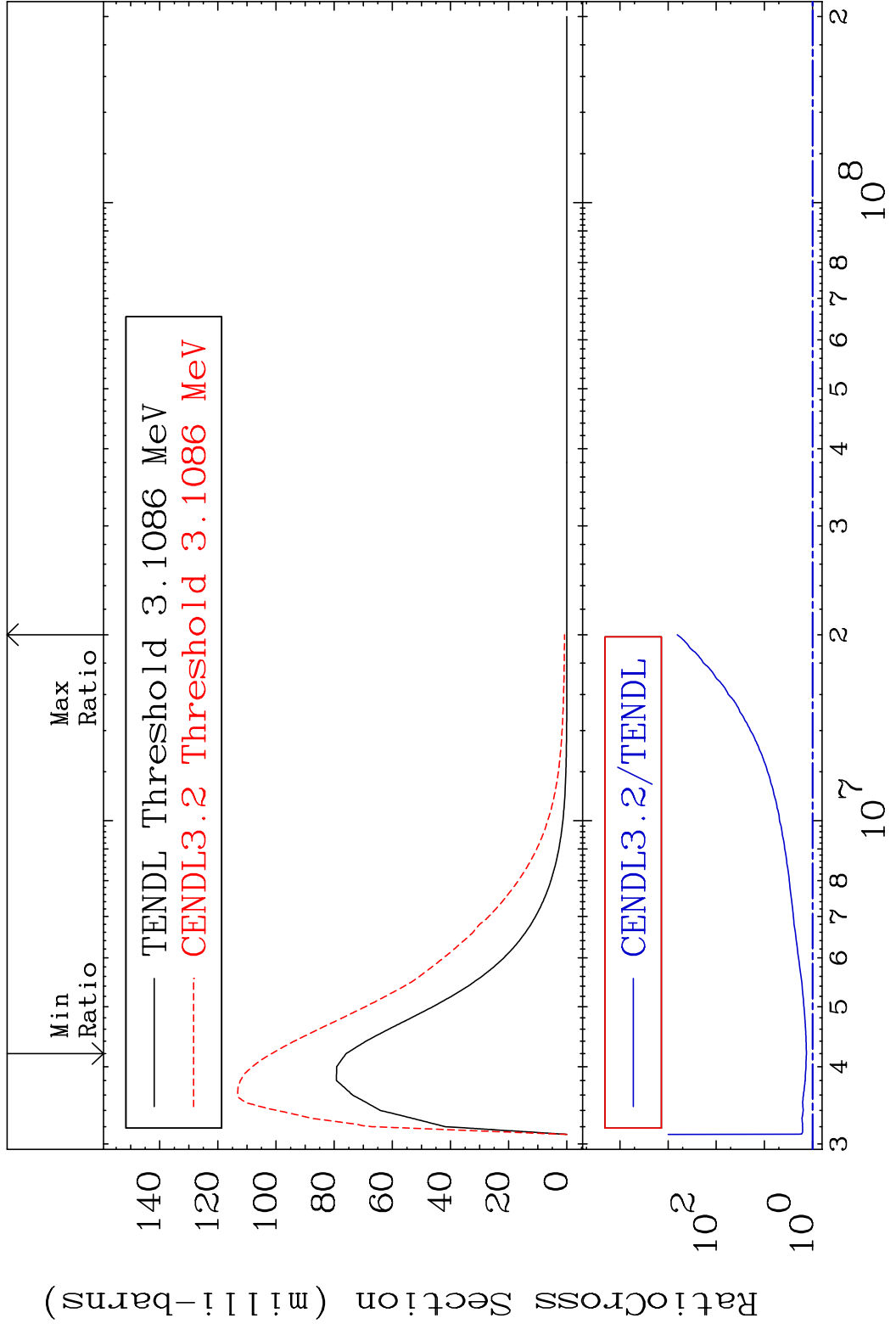


10 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 55 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 6604. %

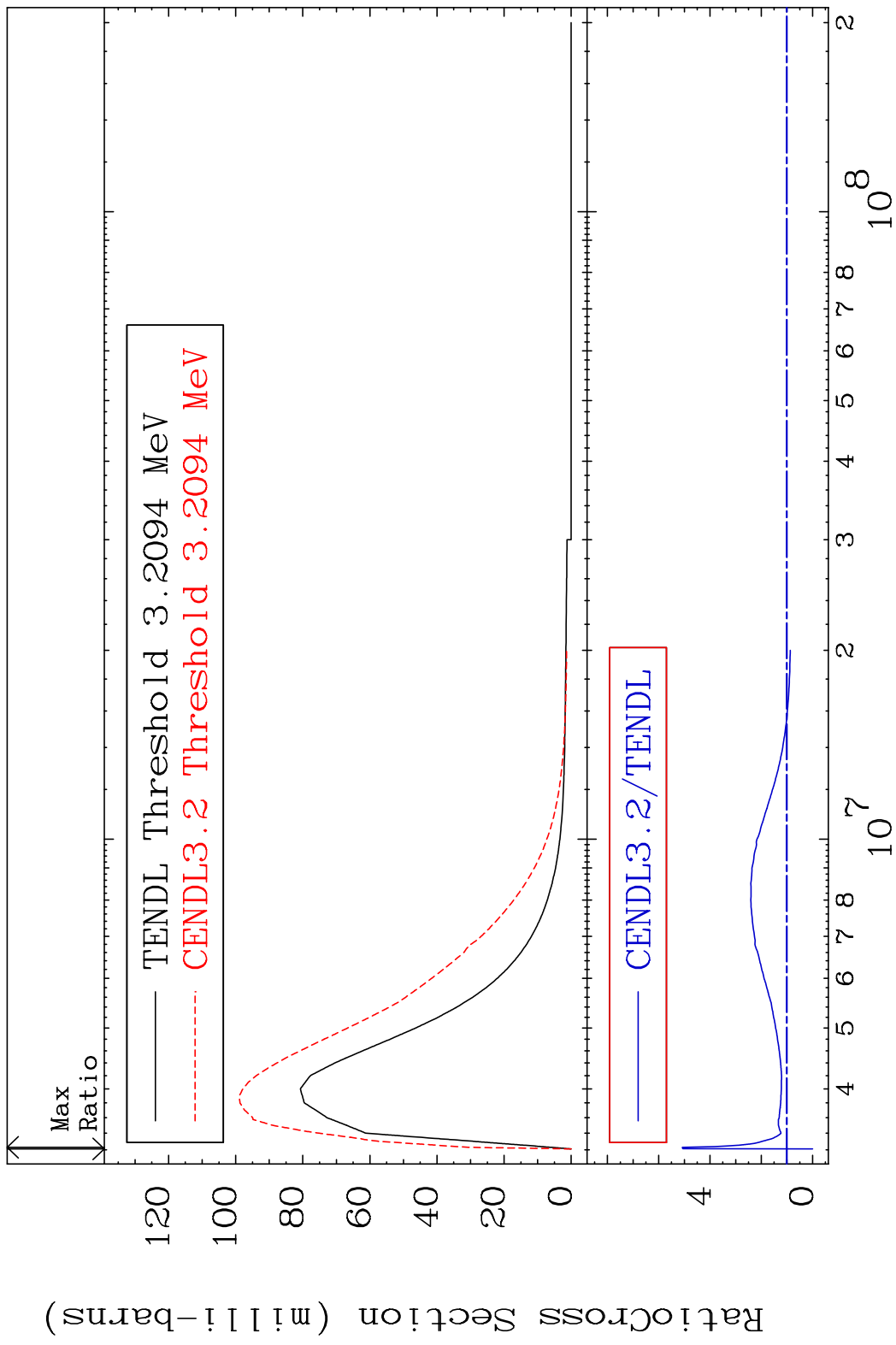


MAT 2837 MT= 56 (n, n') Level 28-Ni-62
 Cross Section 33.76 To 9999. %

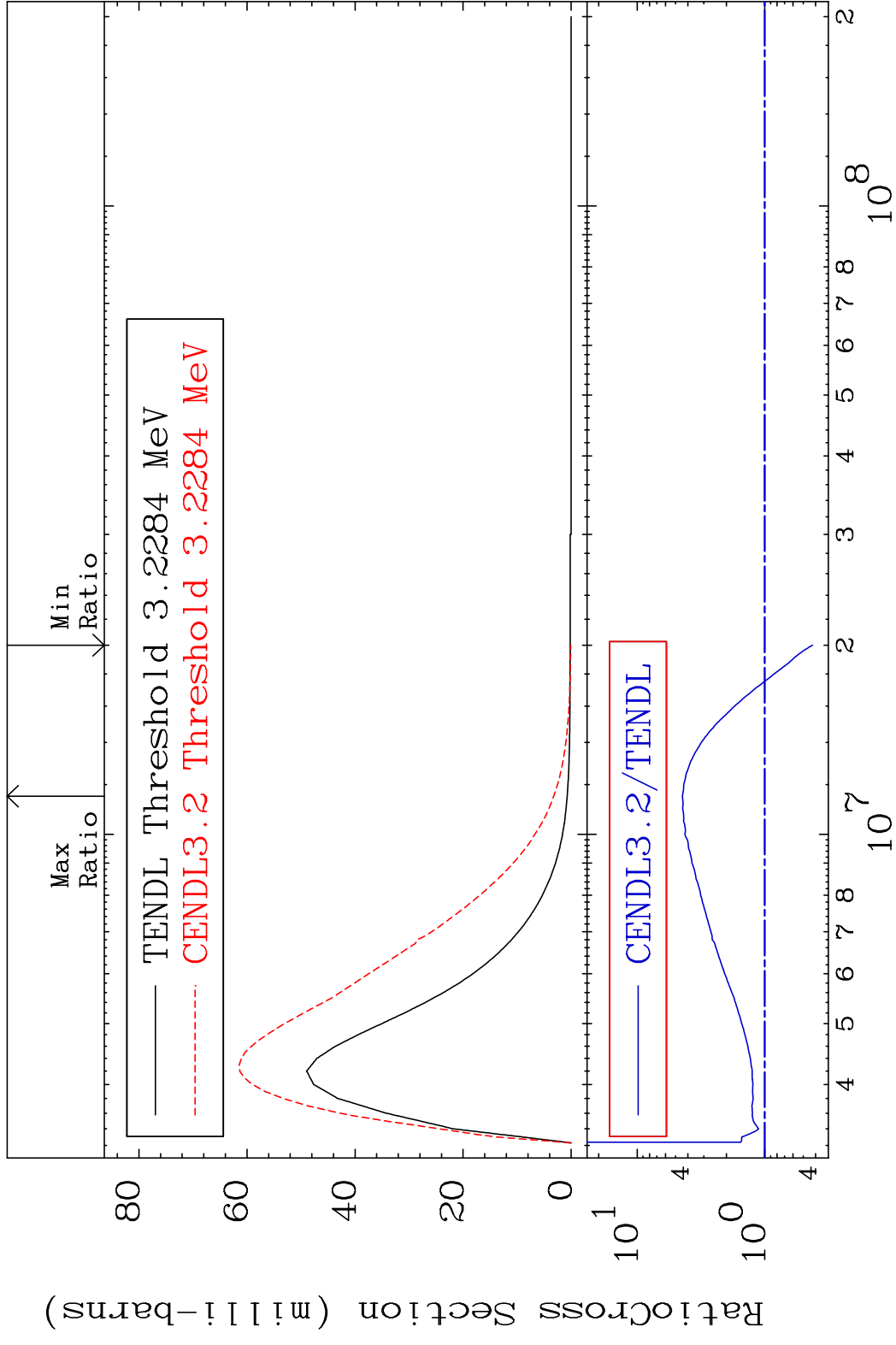


12 Incident Energy (eV) 28-Ni-62

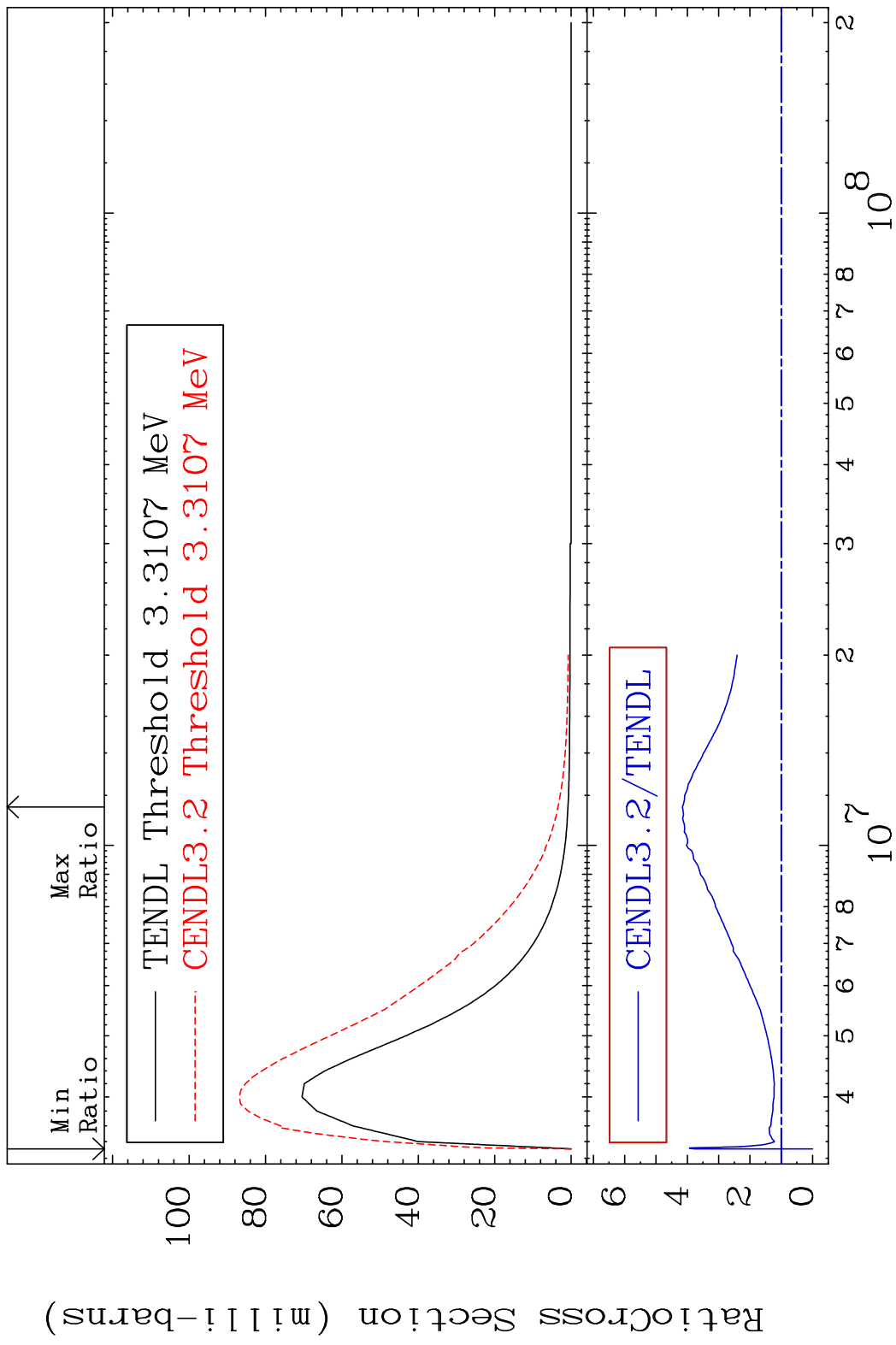
MAT 2837 MT= 57 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 407.8 %



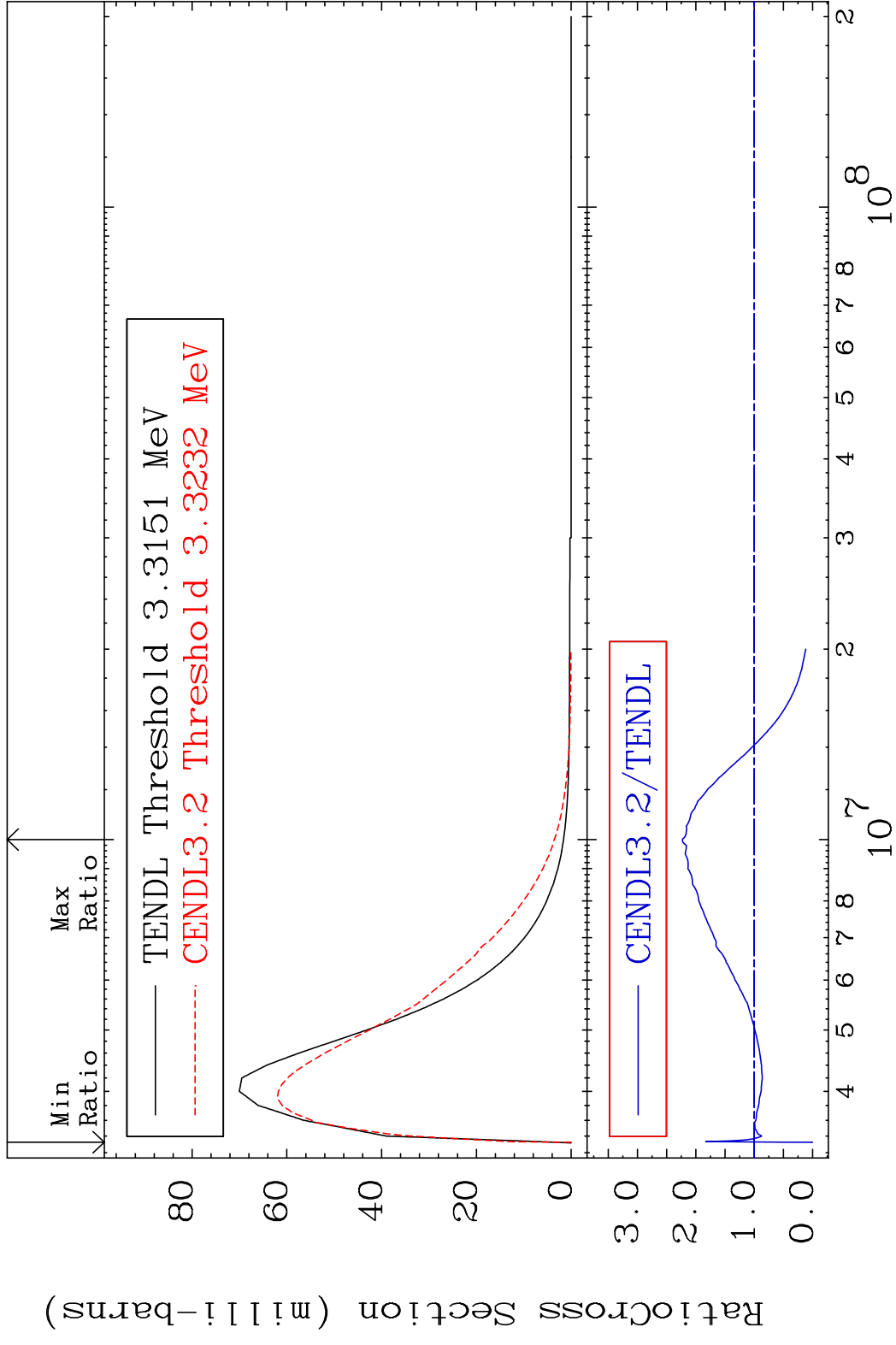
MAT 2837 MT= 58 (n, n') Level 28-Ni-62
 Cross Section -57.79 To 342.5 %



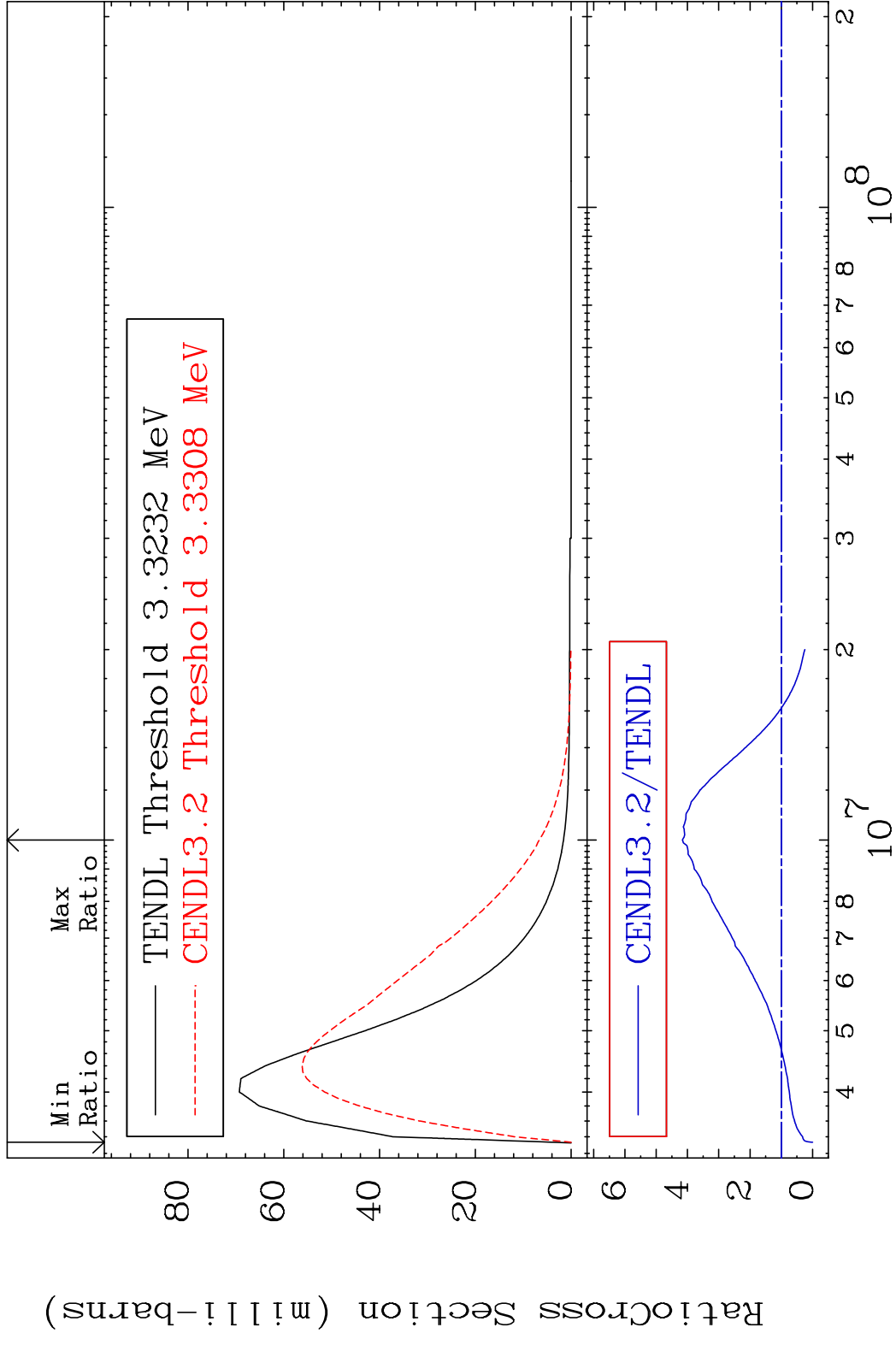
MAT 2837 MT= 59 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 315.9 %



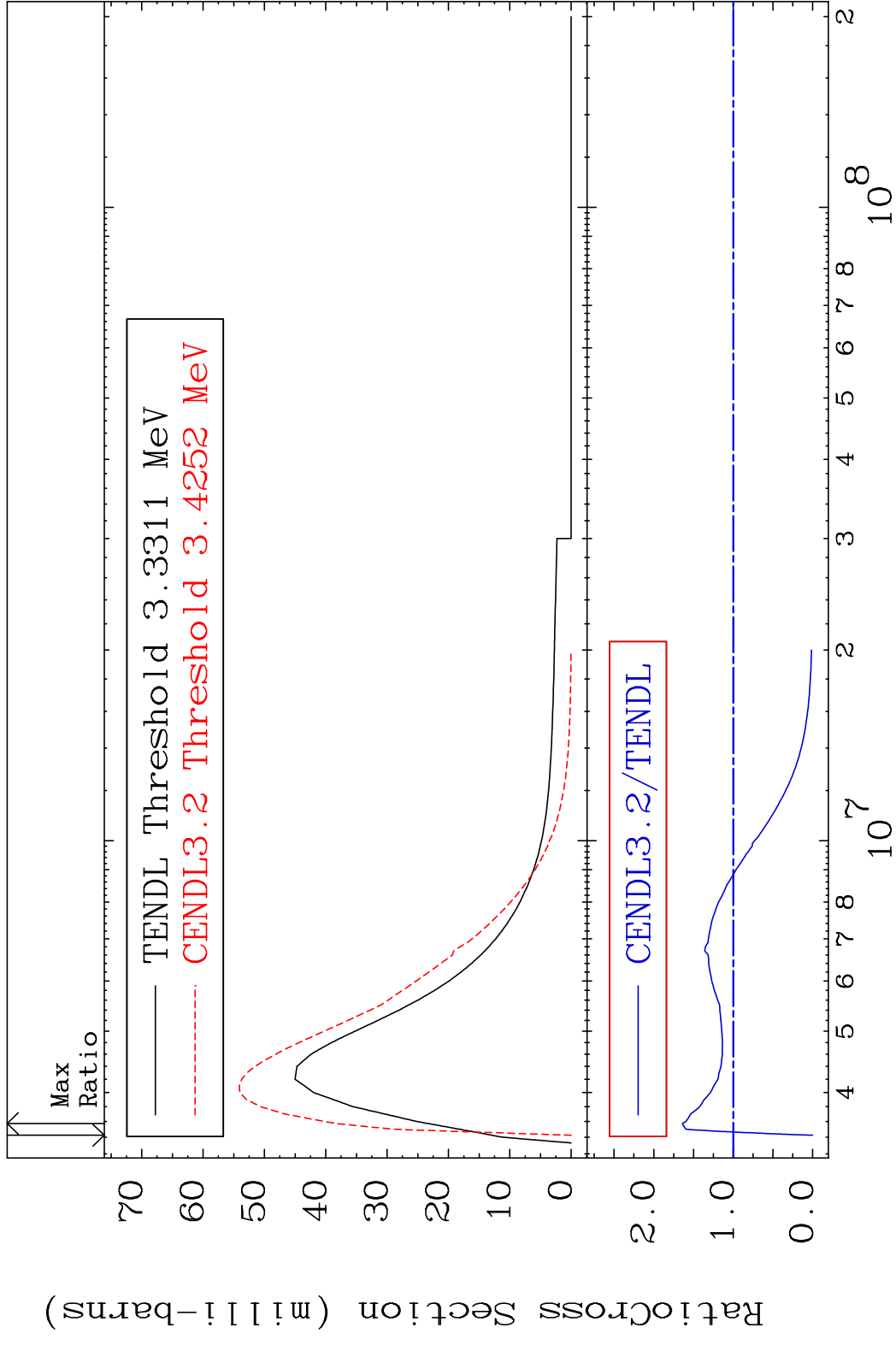
MAT 2837 MT= 60 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 123.2 %



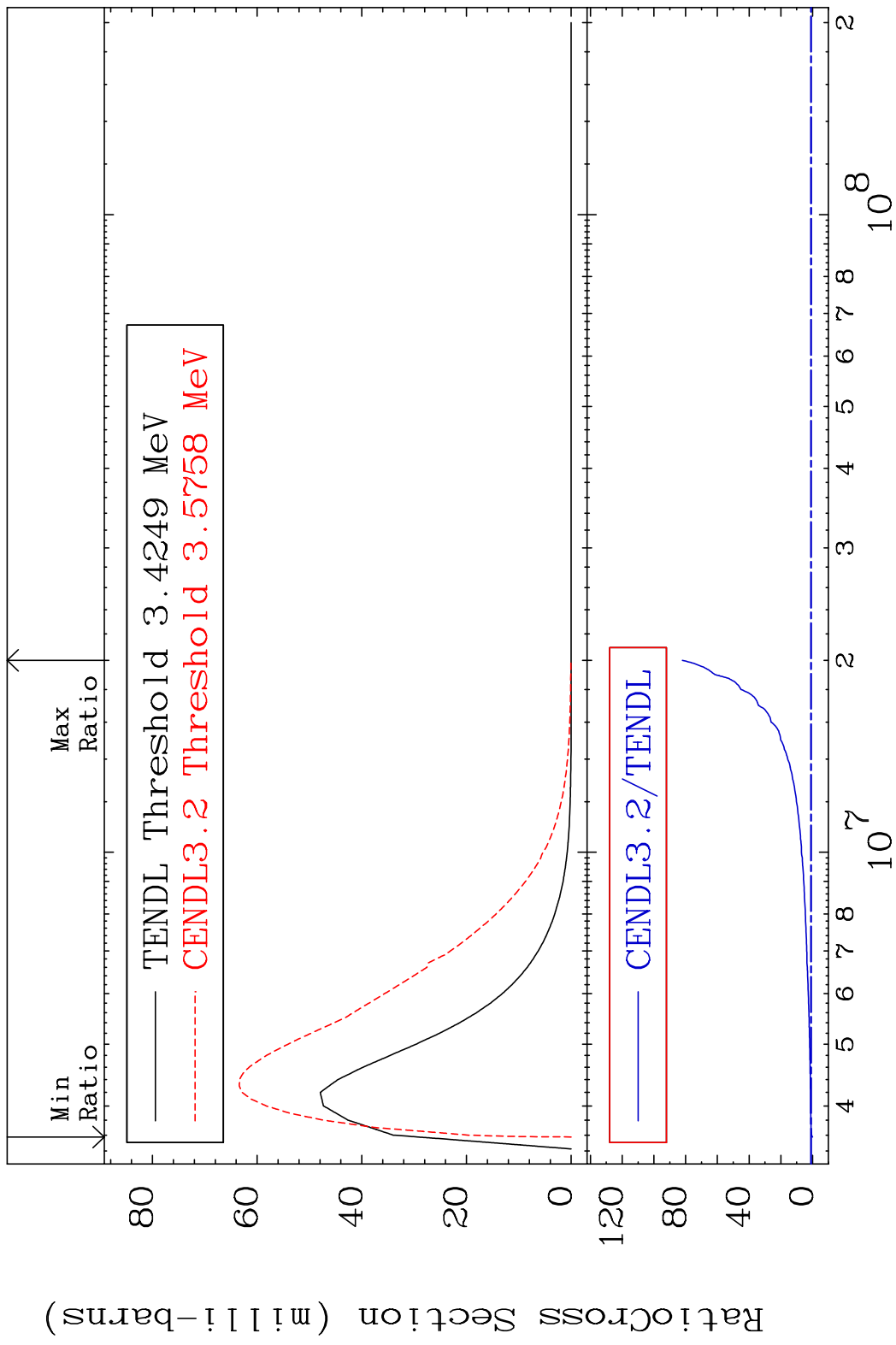
MAT 2837 MT= 61 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 316.4 %



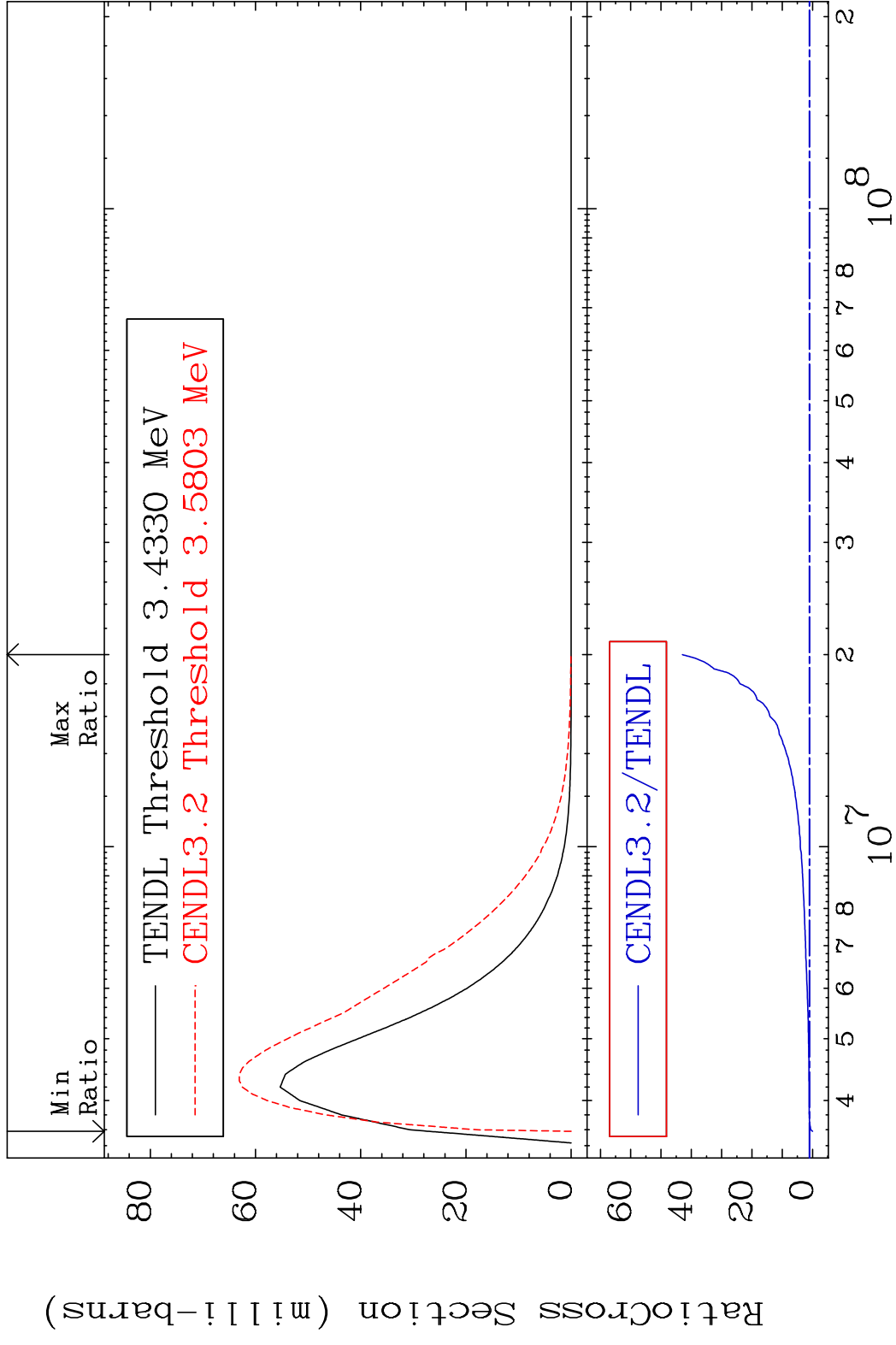
MAT 2837 MT= 62 (n,n') Level 28-Ni-62
 Cross Section -100.0 To 64.00 %



MAT 2837 MT= 63 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 8107. %



MAT 2837 MT= 64 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 4197. %



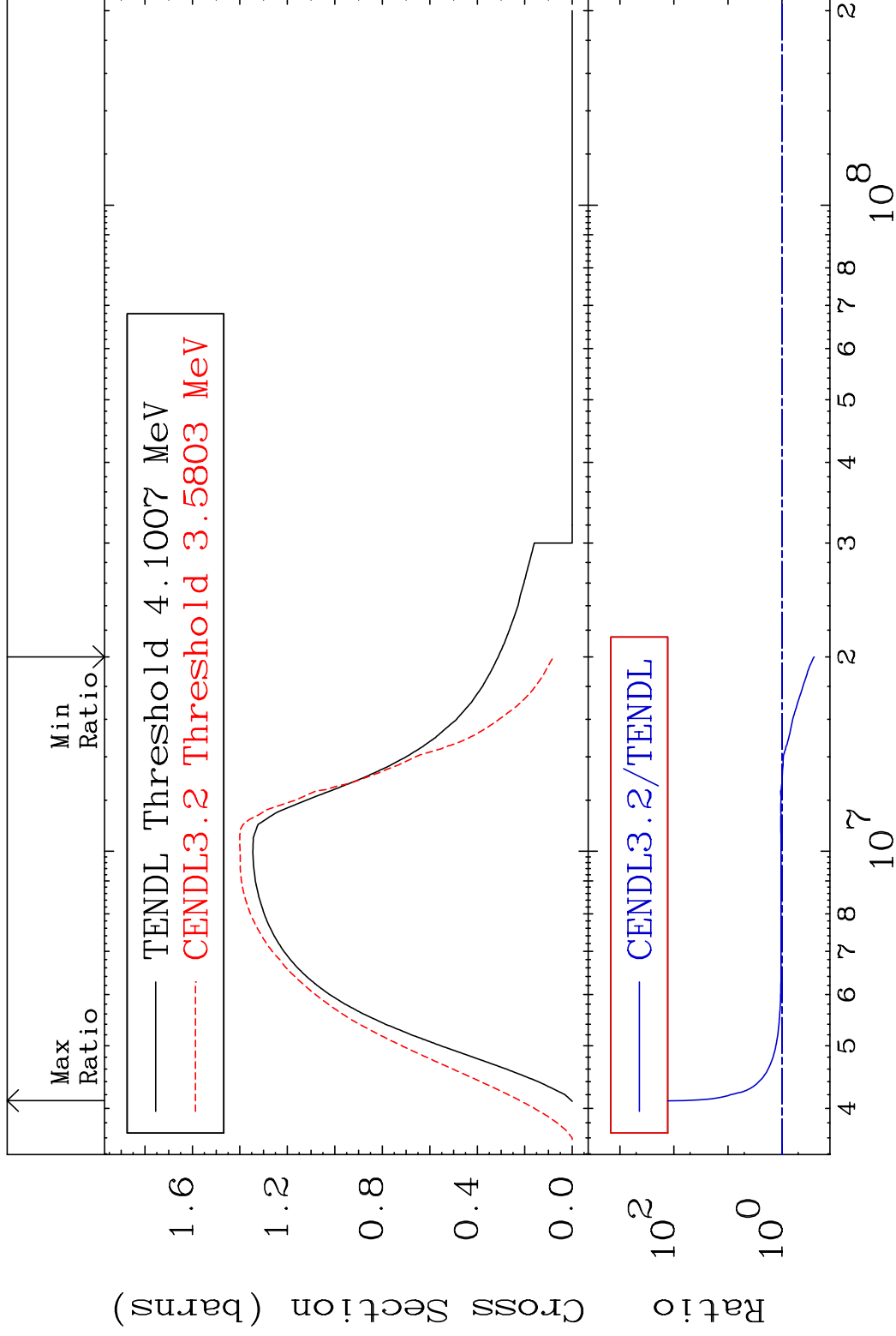
20 Incident Energy (eV) 28-Ni-62

MAT 2837

(n,n') Continuum

28-Ni-62

Cross Section -74.55 To 6508. %



21

Incident Energy (eV)

28-Ni-62

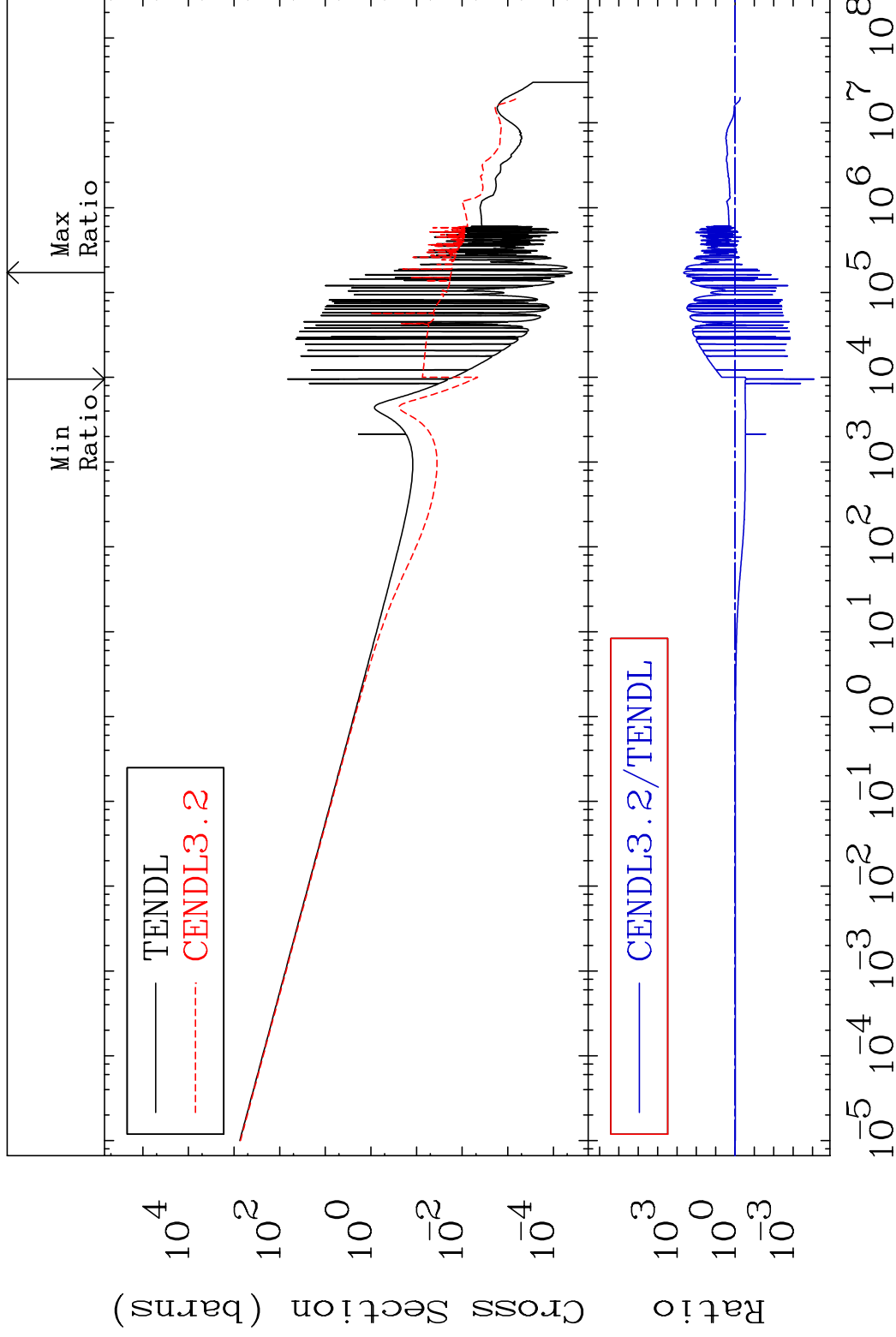
MAT 2837

(n, γ)

28-Ni-62

Cross Section

-99.99 To 9999. %

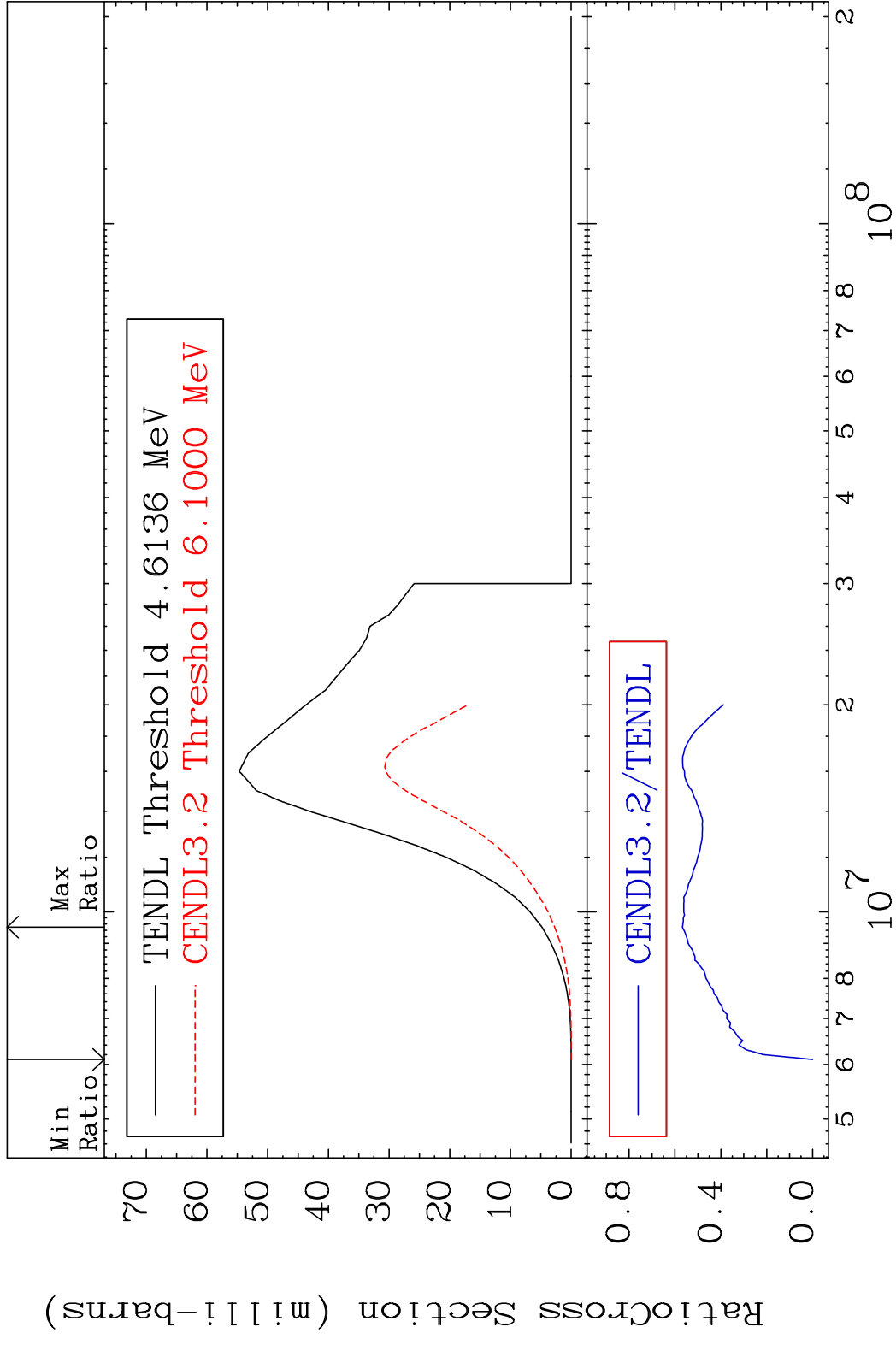


22

Incident Energy (eV)

28-Ni-62

MAT 2837 (n,p) 28-Ni-62
 Cross Section -100.0 To -43.23%

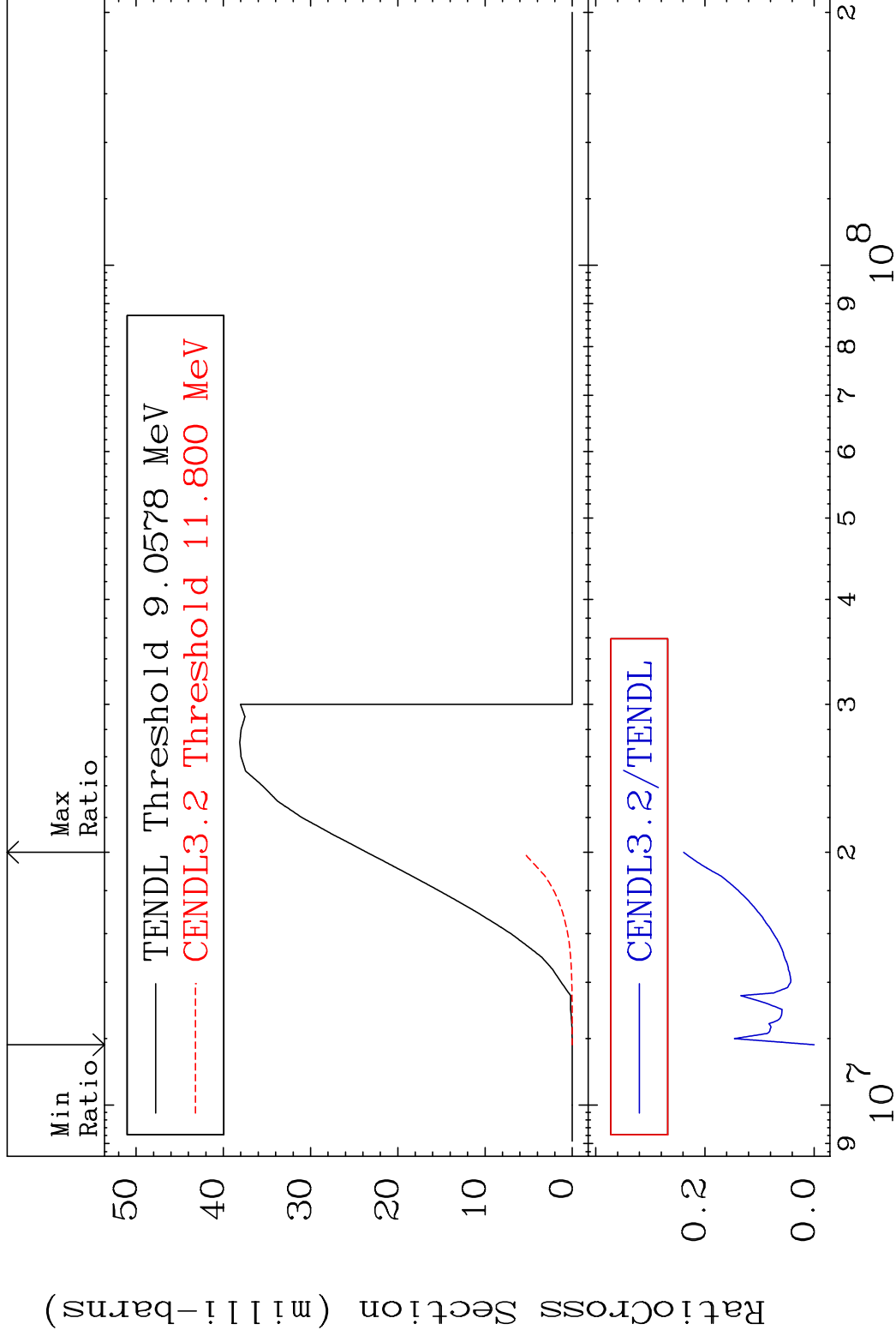


MAT 2837

(n,d)

28-Ni-62

Cross Section -100.0 To -76.11%



24

Incident Energy (eV)

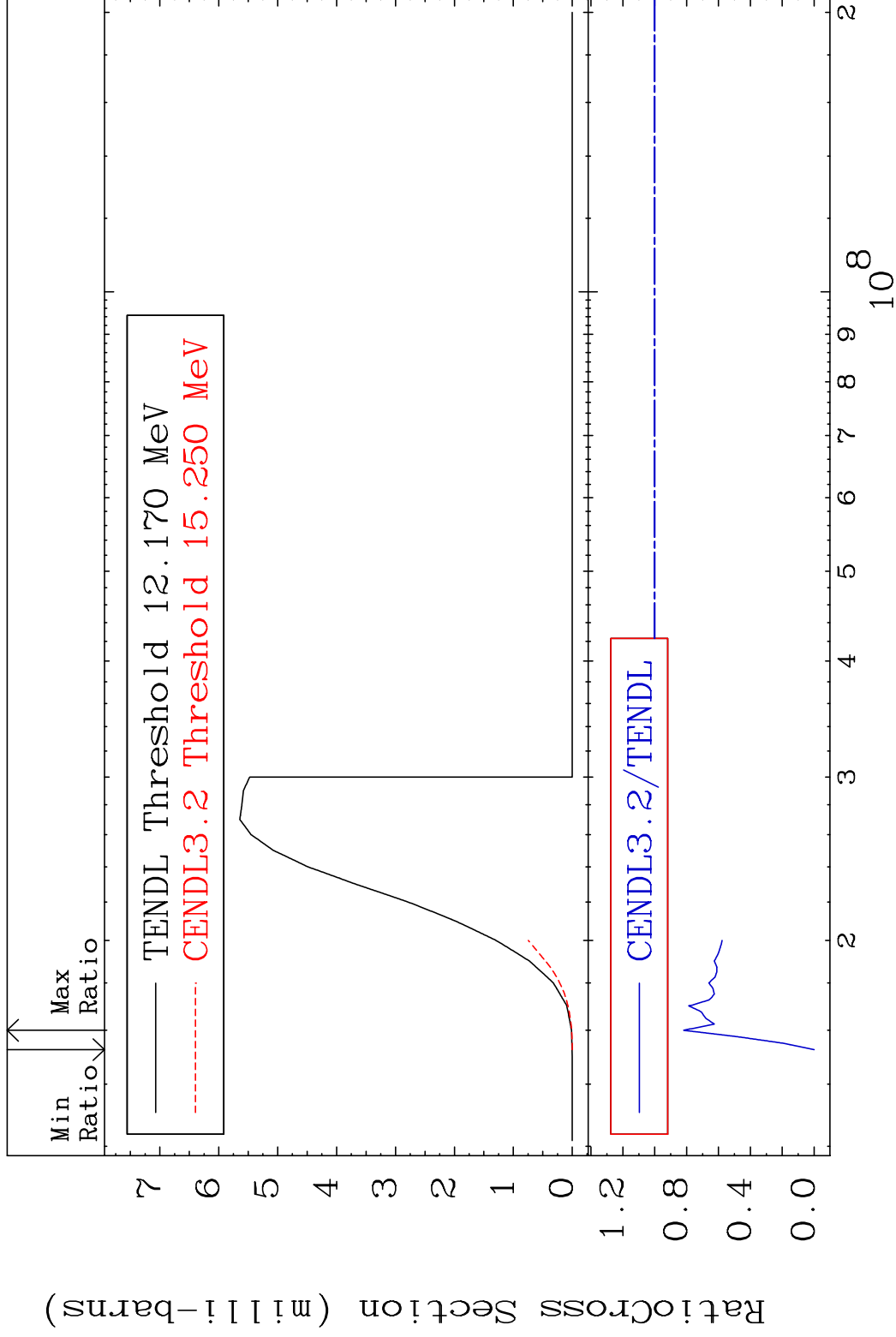
28-Ni-62

MAT 2837

(n, t)

28-Ni-62

Cross Section -100.0 To -18.13%



25

Incident Energy (eV)

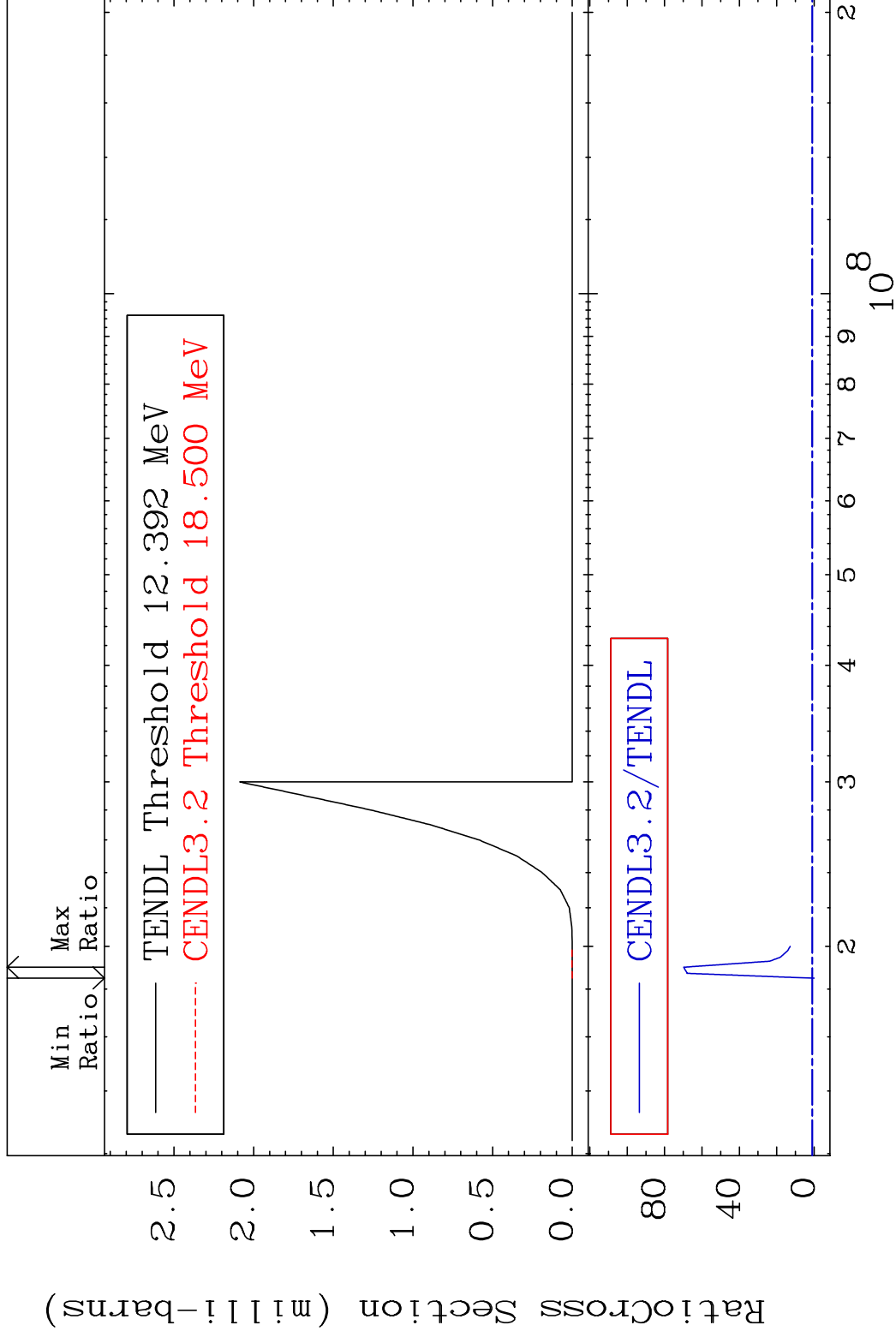
28-Ni-62

MAT 2837

(n, He-3)

28-Ni-62

Cross Section -100.0 To 6880. %

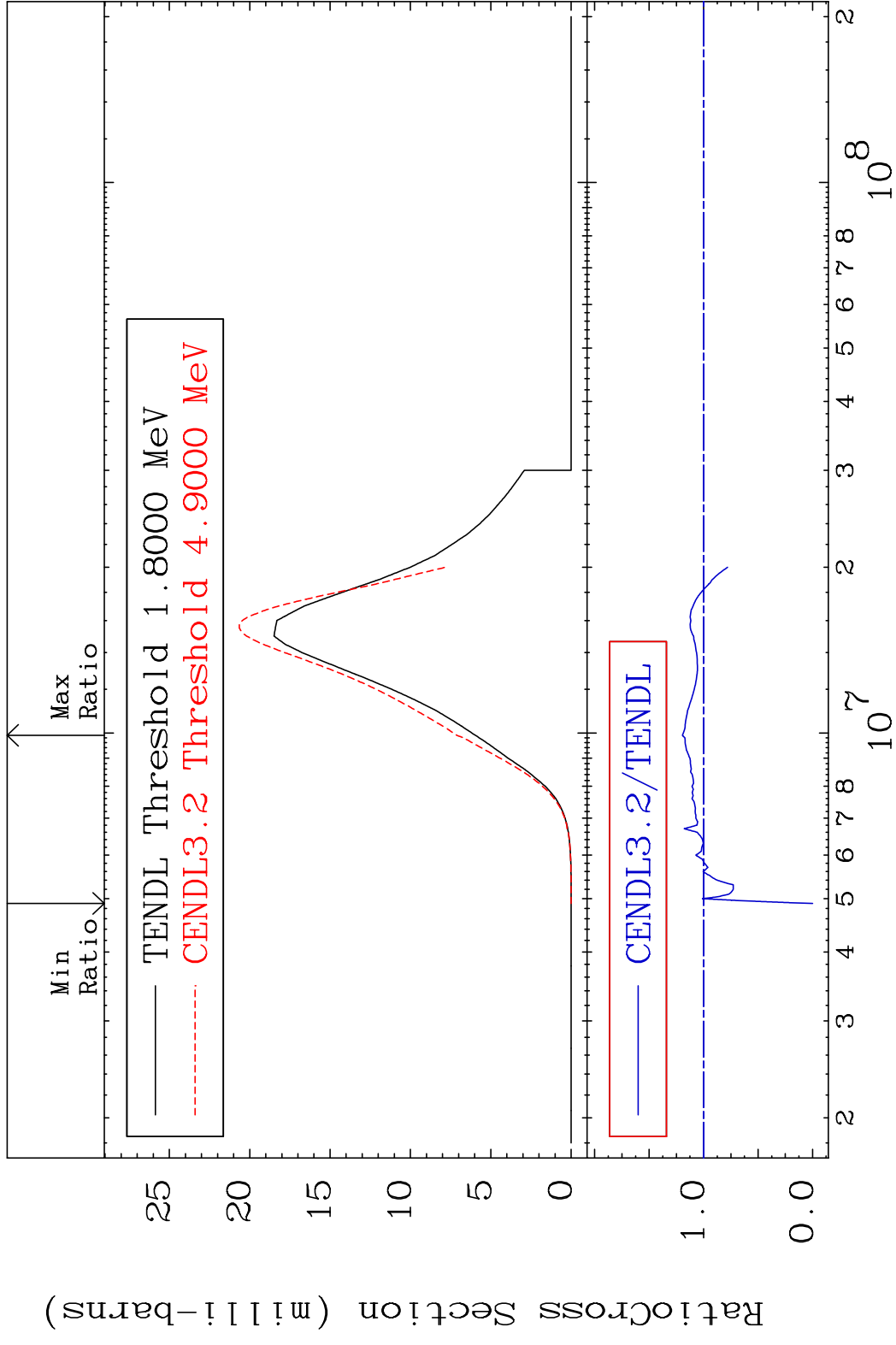


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Incident Energy (eV)

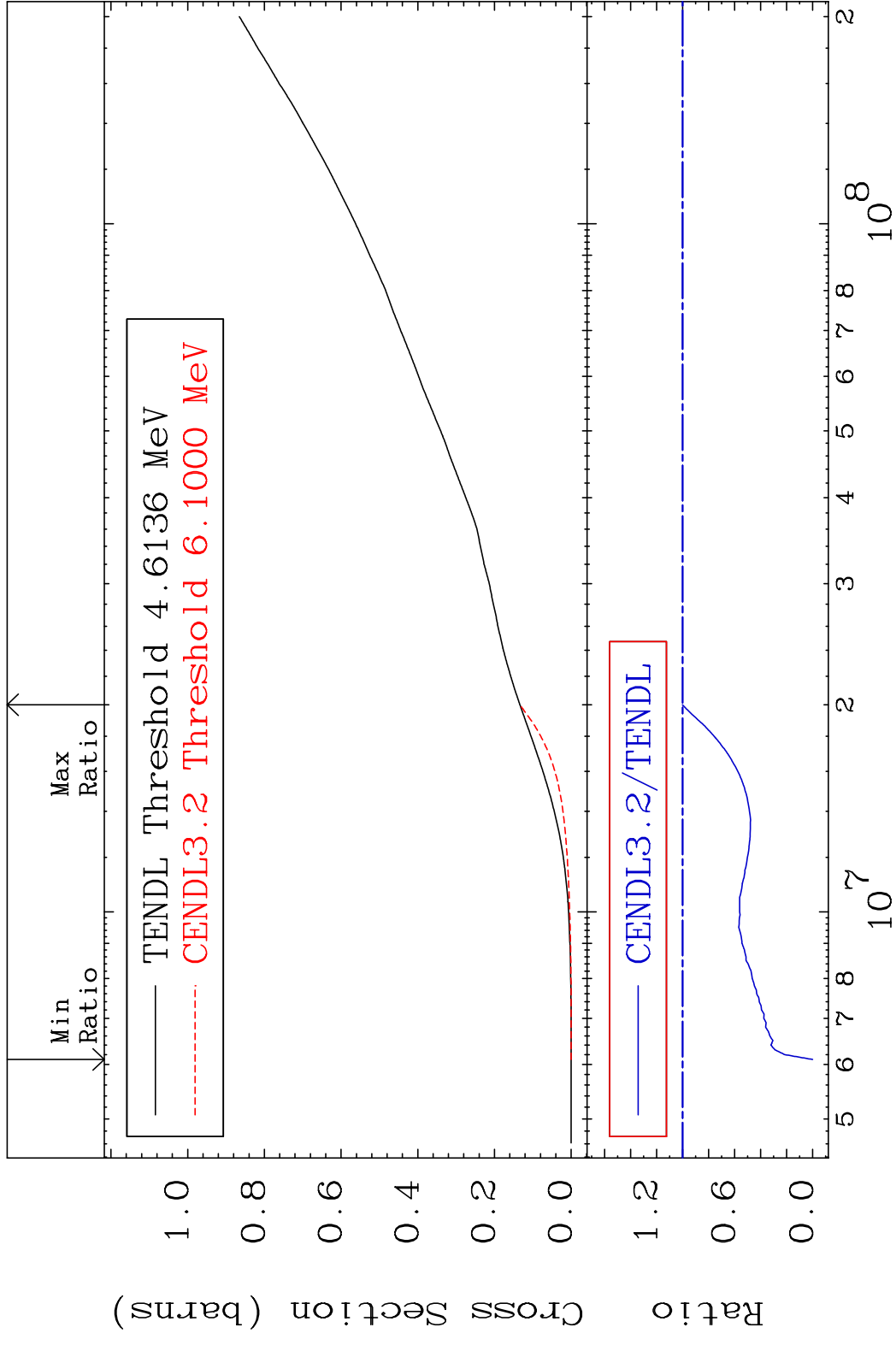
28-Ni-62

MAT 2837 (n, α) $^{28}\text{Ni-62}$
 Cross Section -100.0 To 19.52 %



MAT 2837

Hydrogen Production
Cross Section -100.0 To 0.200 %
28-Ni-62



28

Incident Energy (eV)

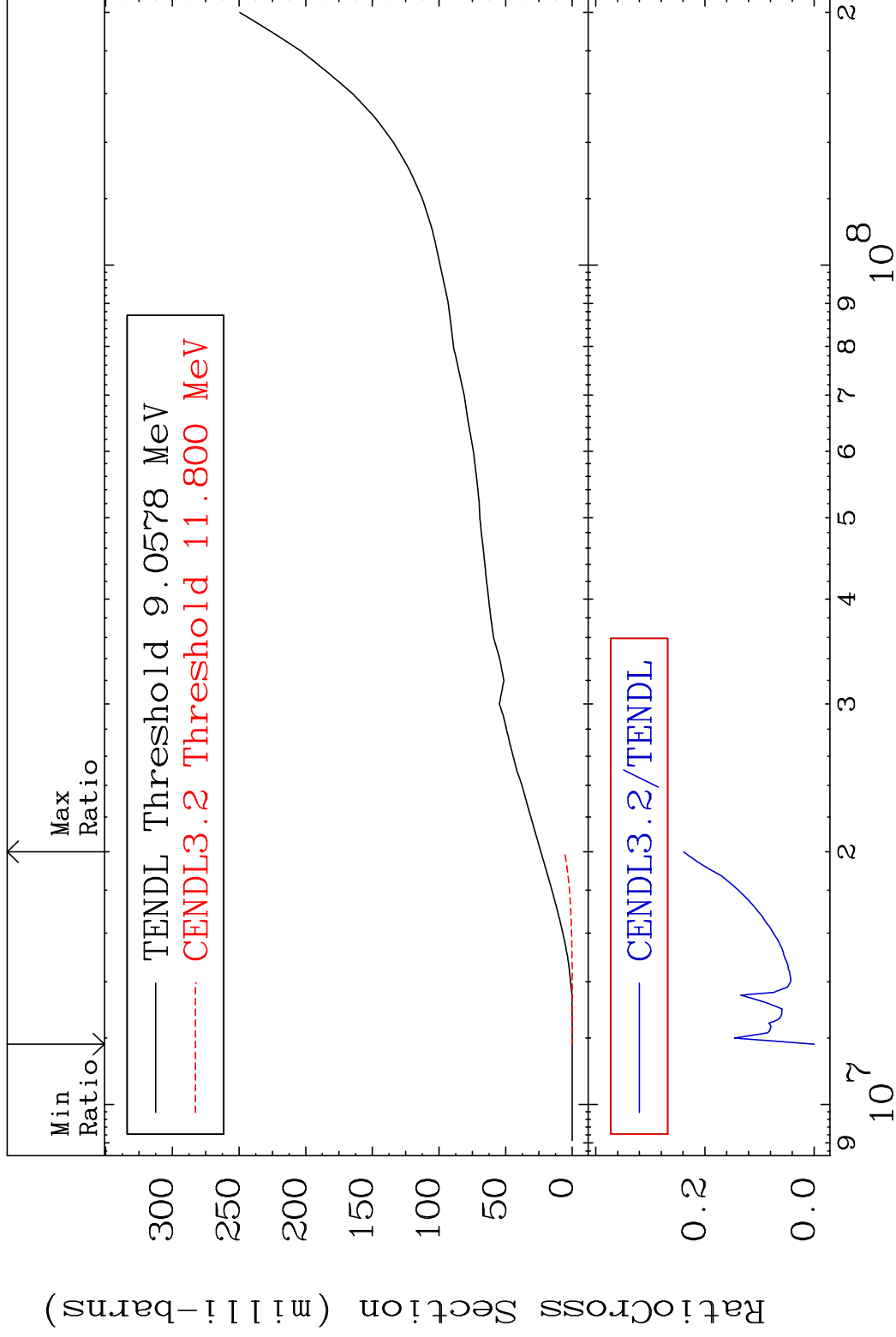
28-Ni-62

MAT 2837

Deuterium Production

²⁸Ni-62

Cross Section -100.0 To -76.11%



29

Incident Energy (eV)

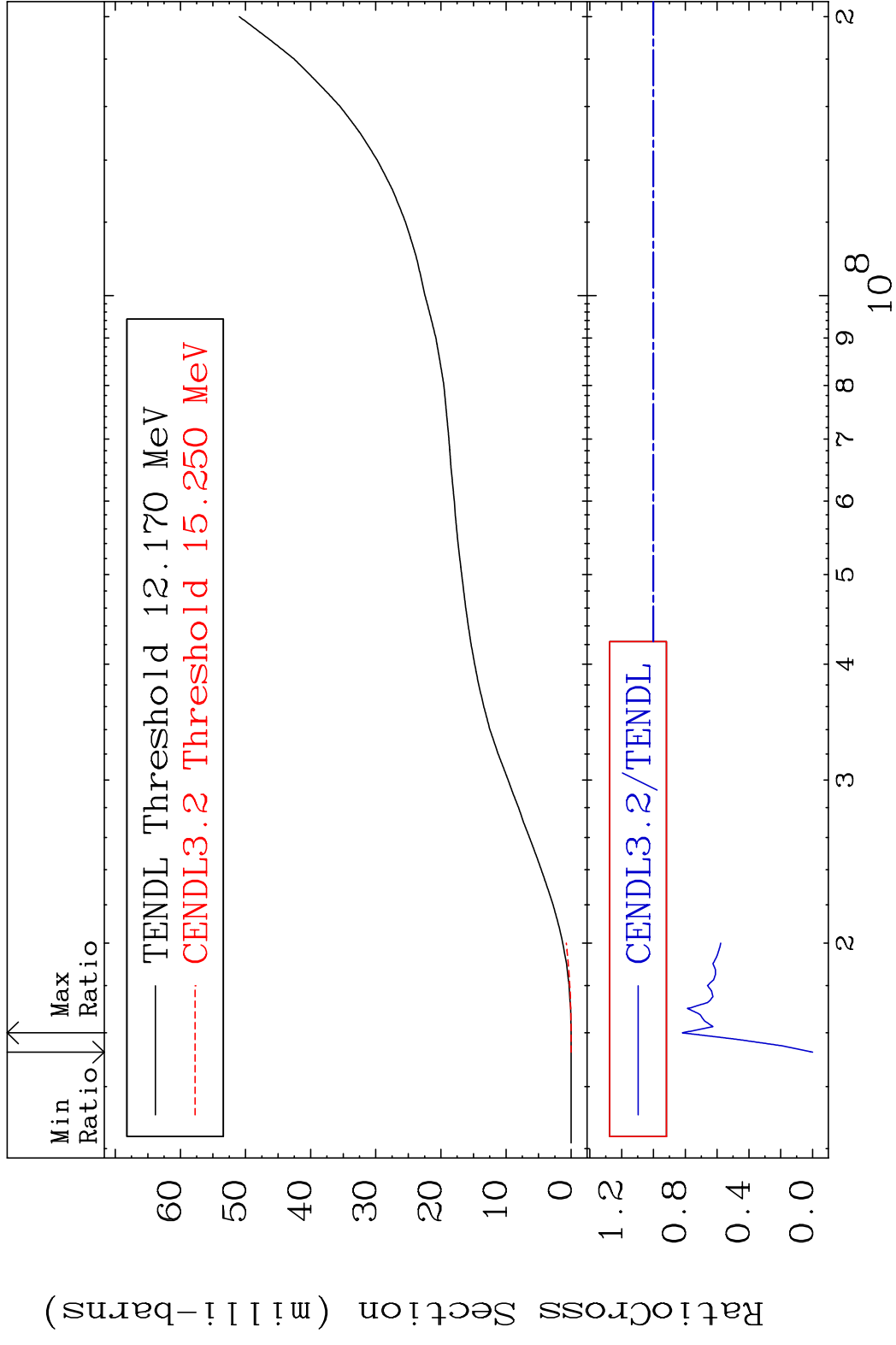
²⁸Ni-62

MAT 2837

Tritium Production

²⁸Ni-62

Cross Section -100.0 To -18.13%

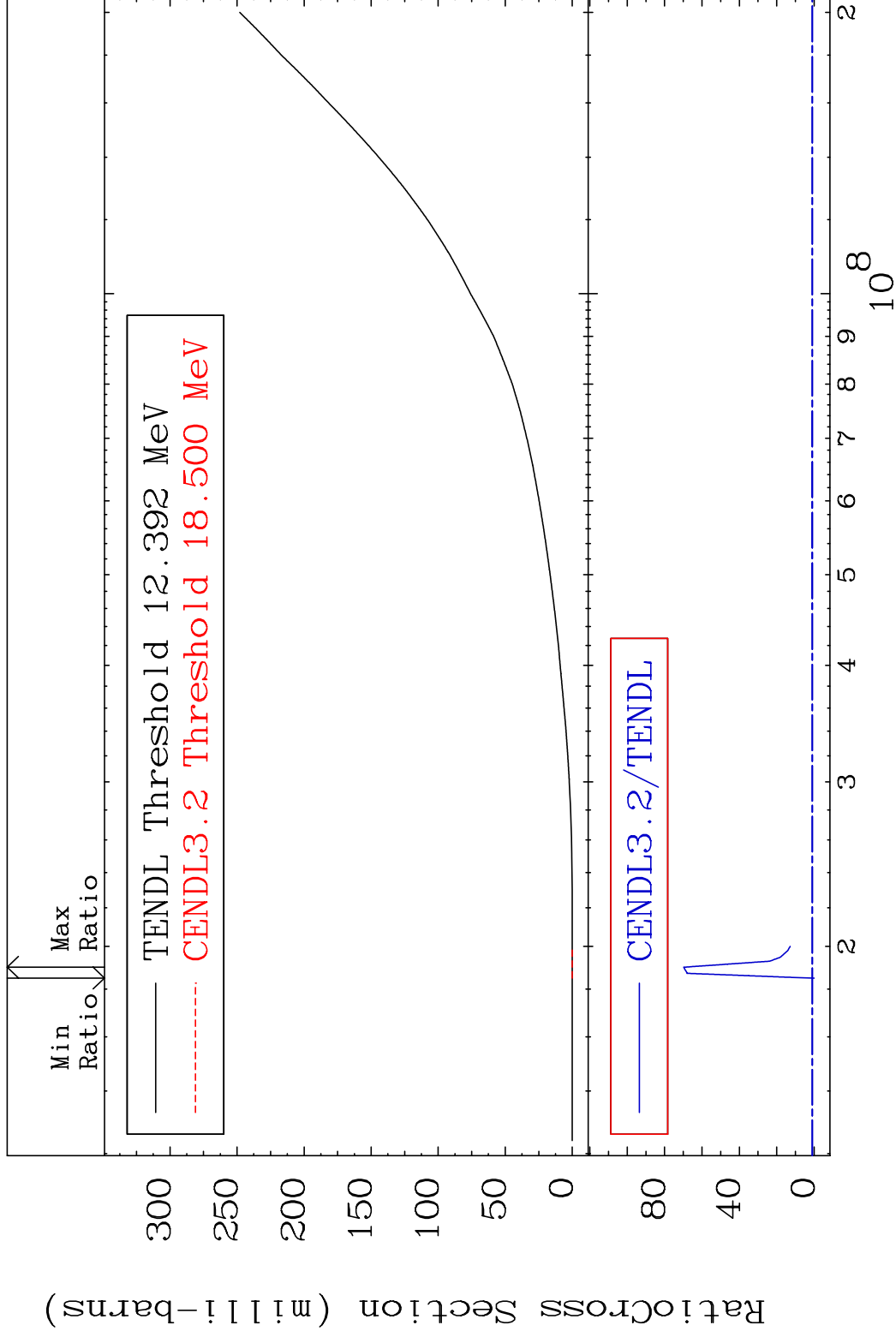


30

Incident Energy (eV)

²⁸Ni-62

Cross Section -100.0 To 6880. %

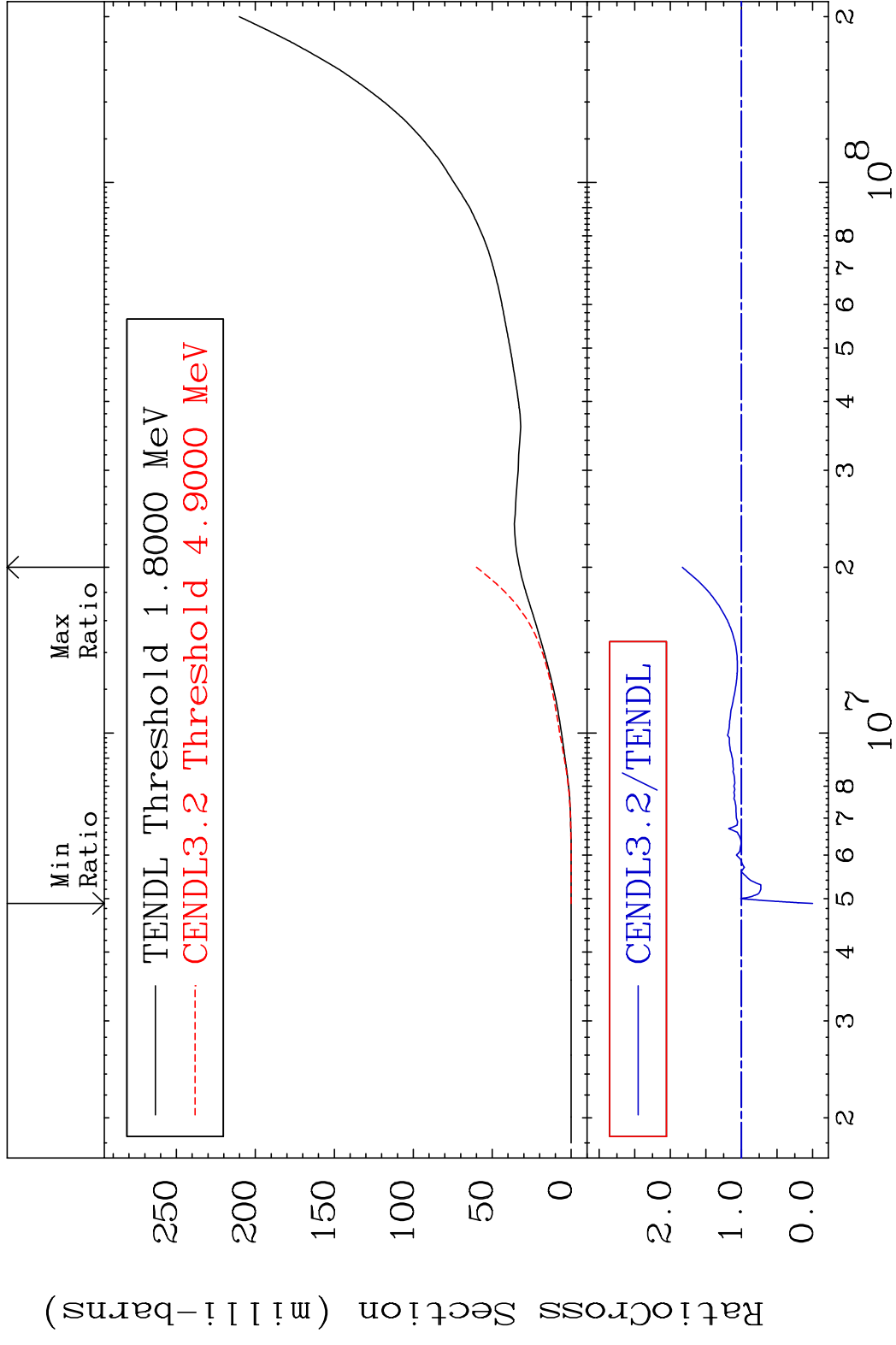


MAT 2837

He-4 Production

²⁸Ni-62

Cross Section -100.0 To 83.10 %

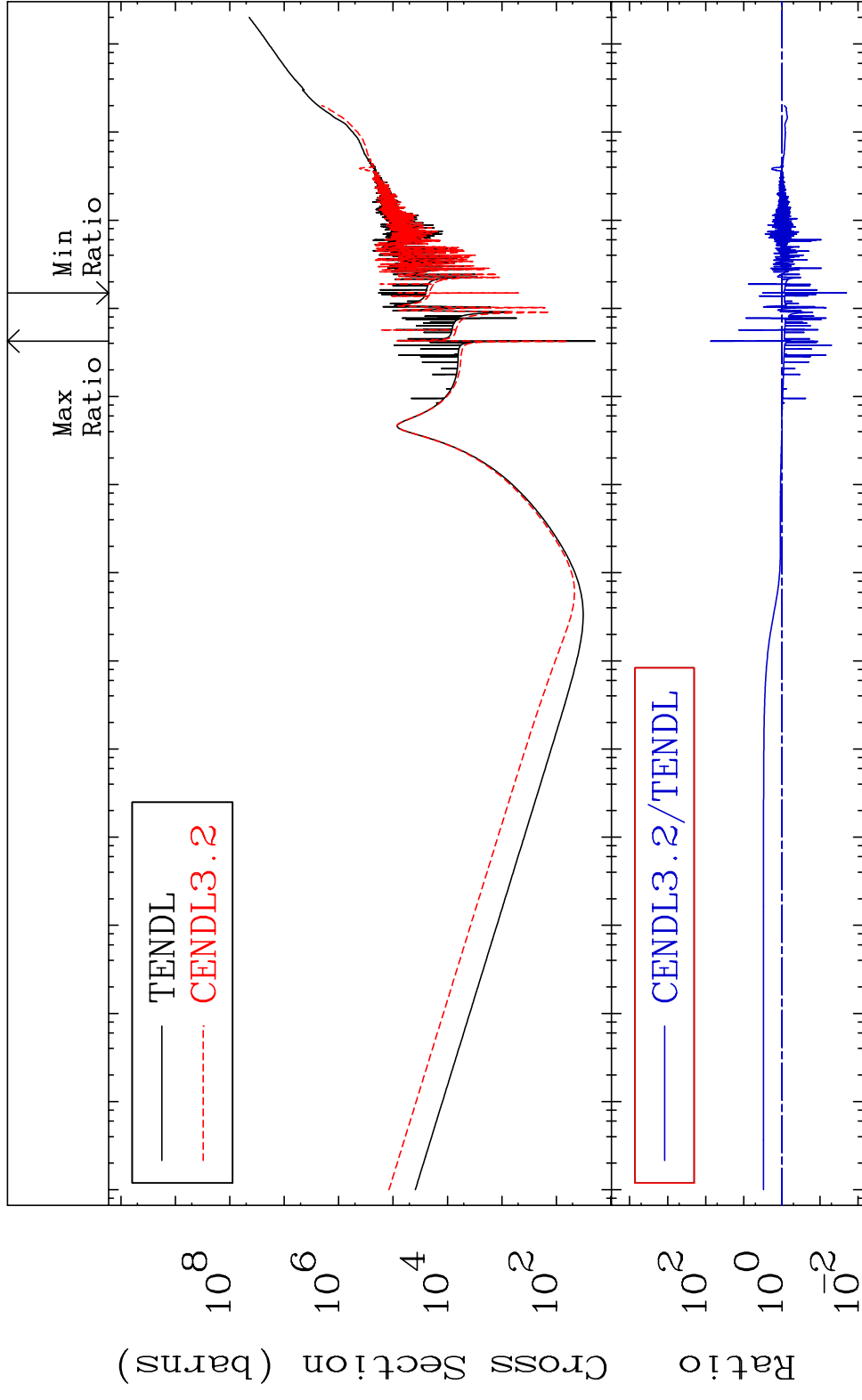


32

Incident Energy (eV)

²⁸Ni-62

MAT 2837 Kerma total (eV-barns) 28-Ni-62
 Cross Section -97.97 To 7316. %



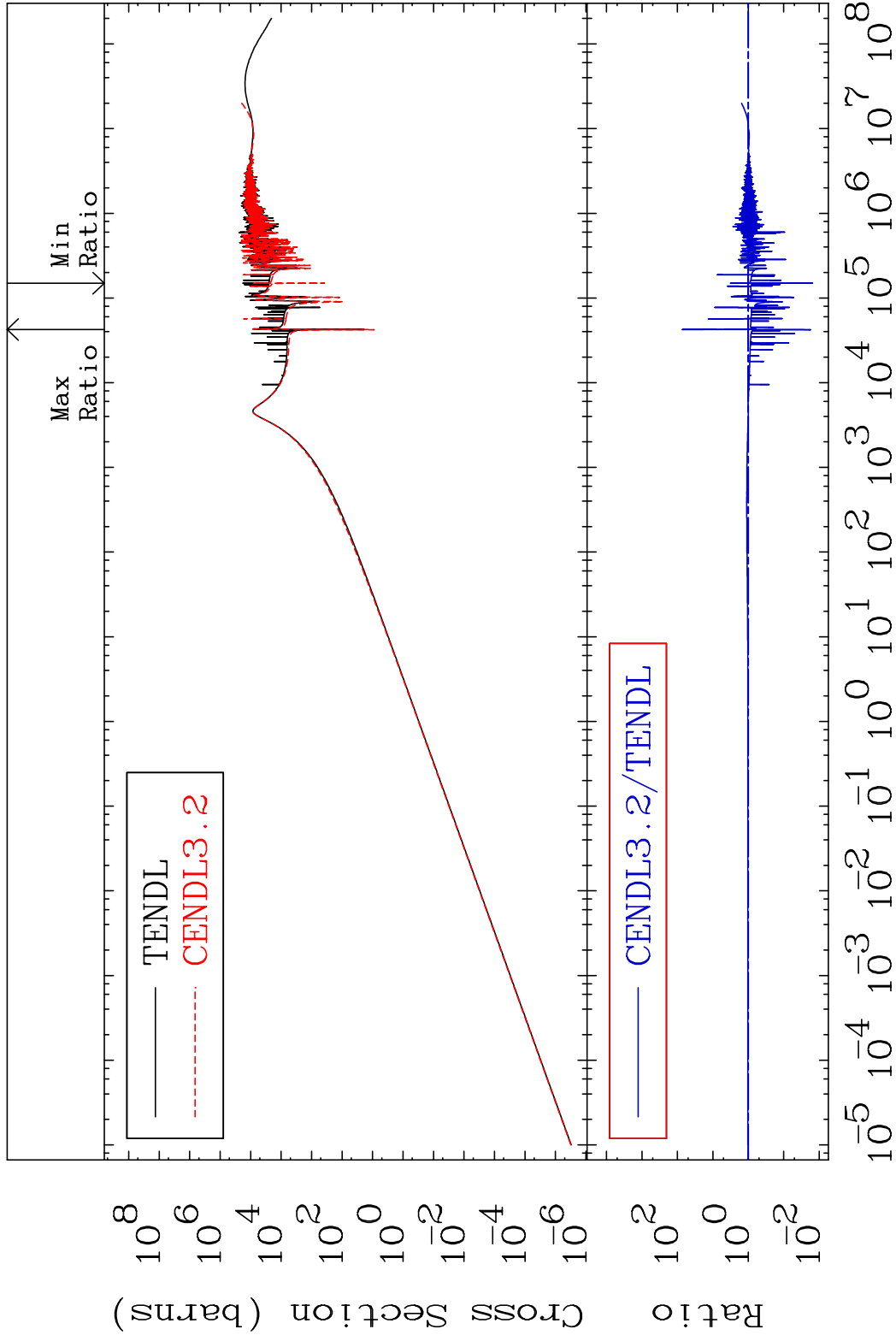
33 Incident Energy (eV) 28-Ni-62

MAT 2837

Kerma elastic

²⁸Ni-62

Cross Section -98.47 To 7153. %

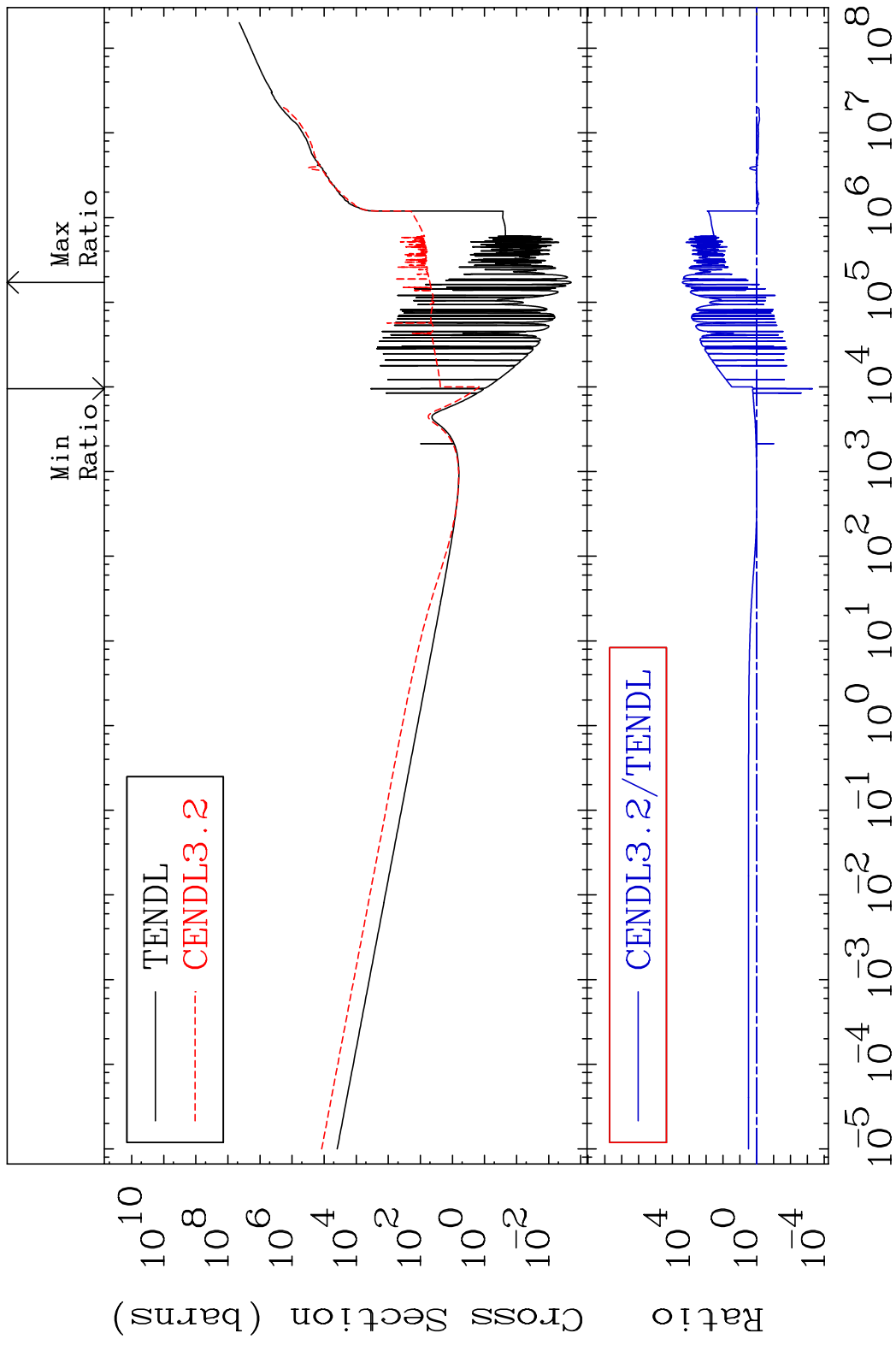


34

Incident Energy (eV)

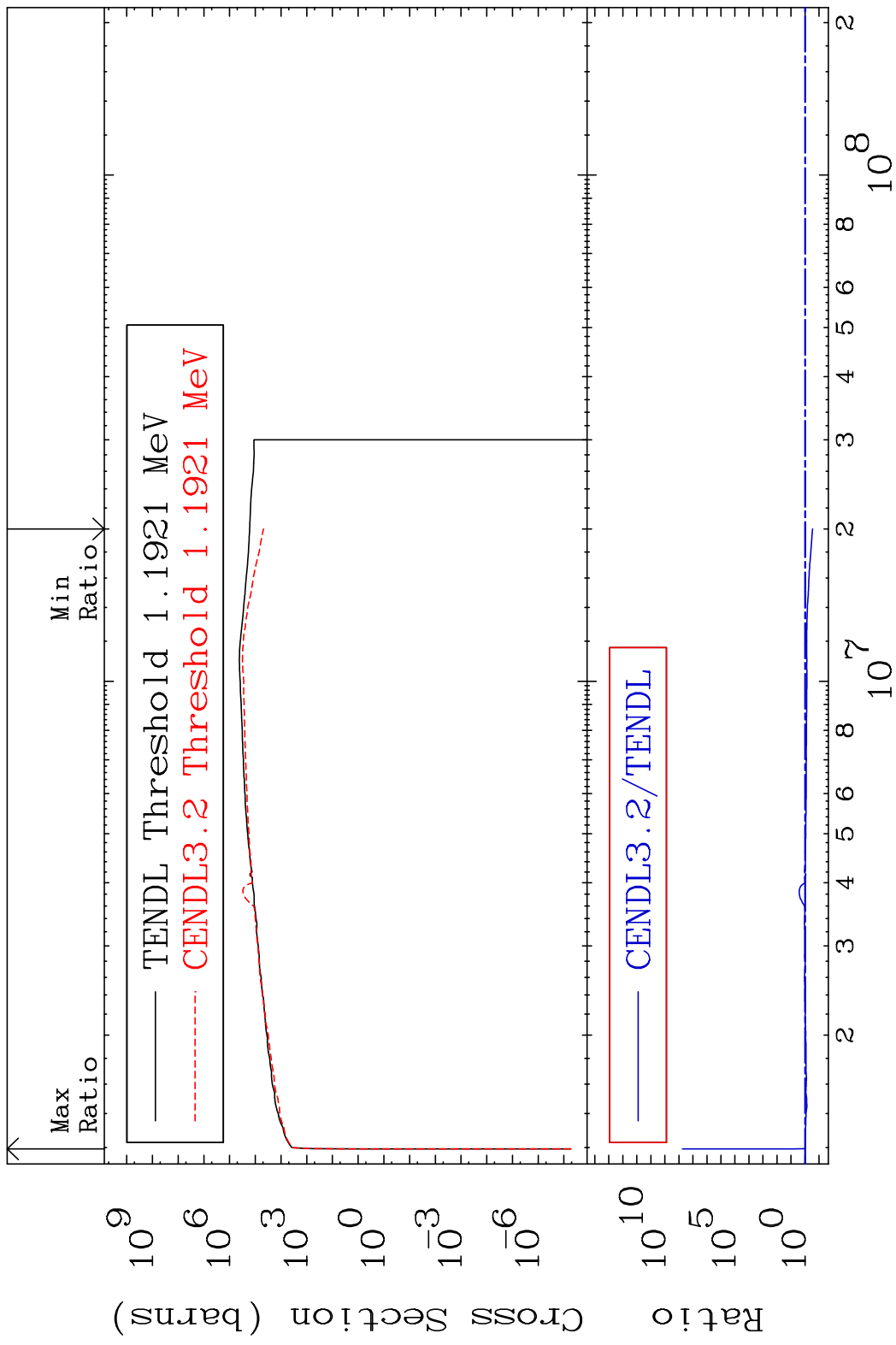
²⁸Ni-62

MAT 2837 Kerma non-elastic (all but mt2) 28-Ni-62
 Cross Section -99.95 To 9999. %

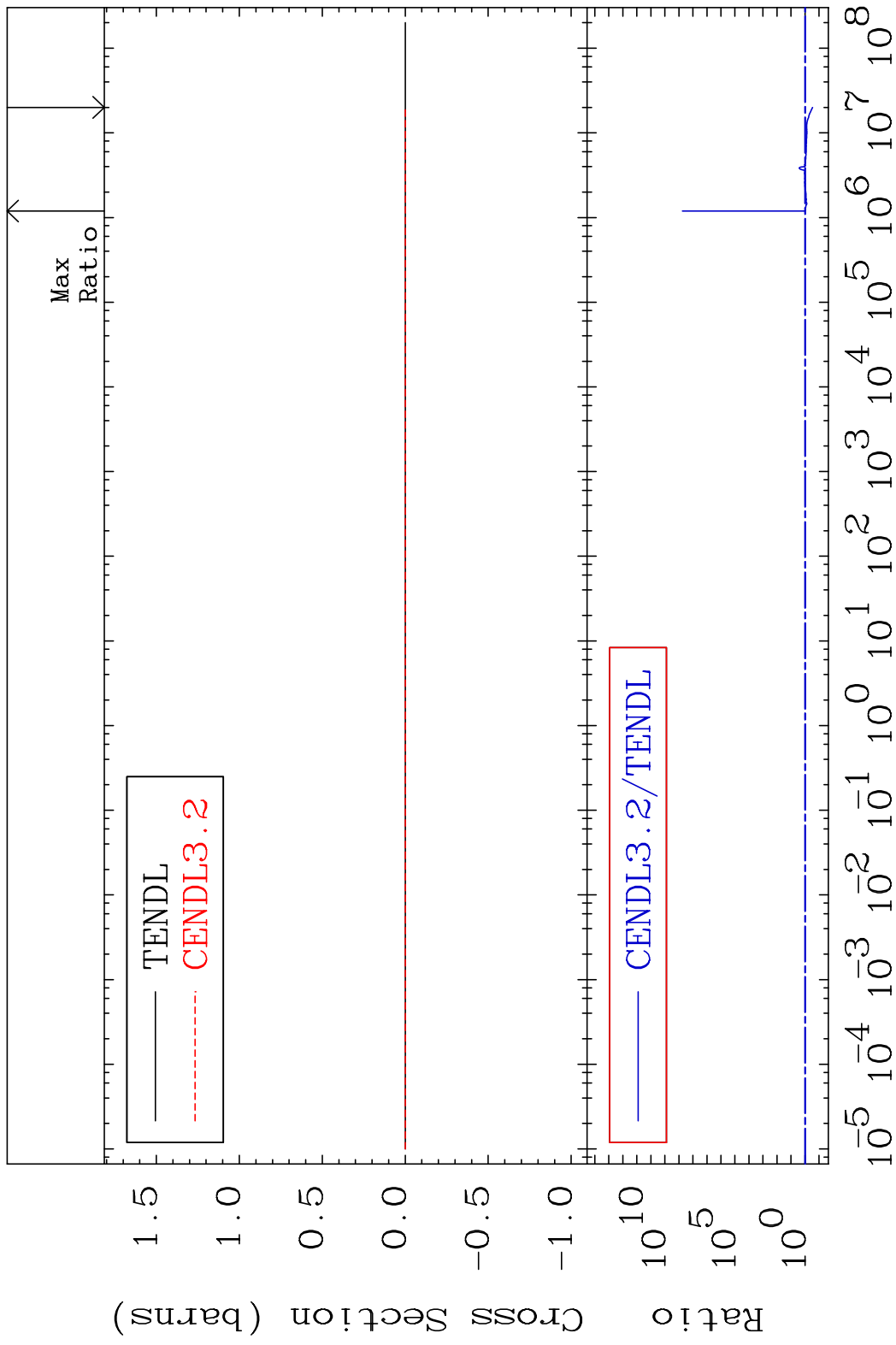


35 Incident Energy (eV) 28-Ni-62

MAT 2837 Kerma inelastic (mt51-91) 28-Ni-62
 Cross Section -70.91 To 9999. %



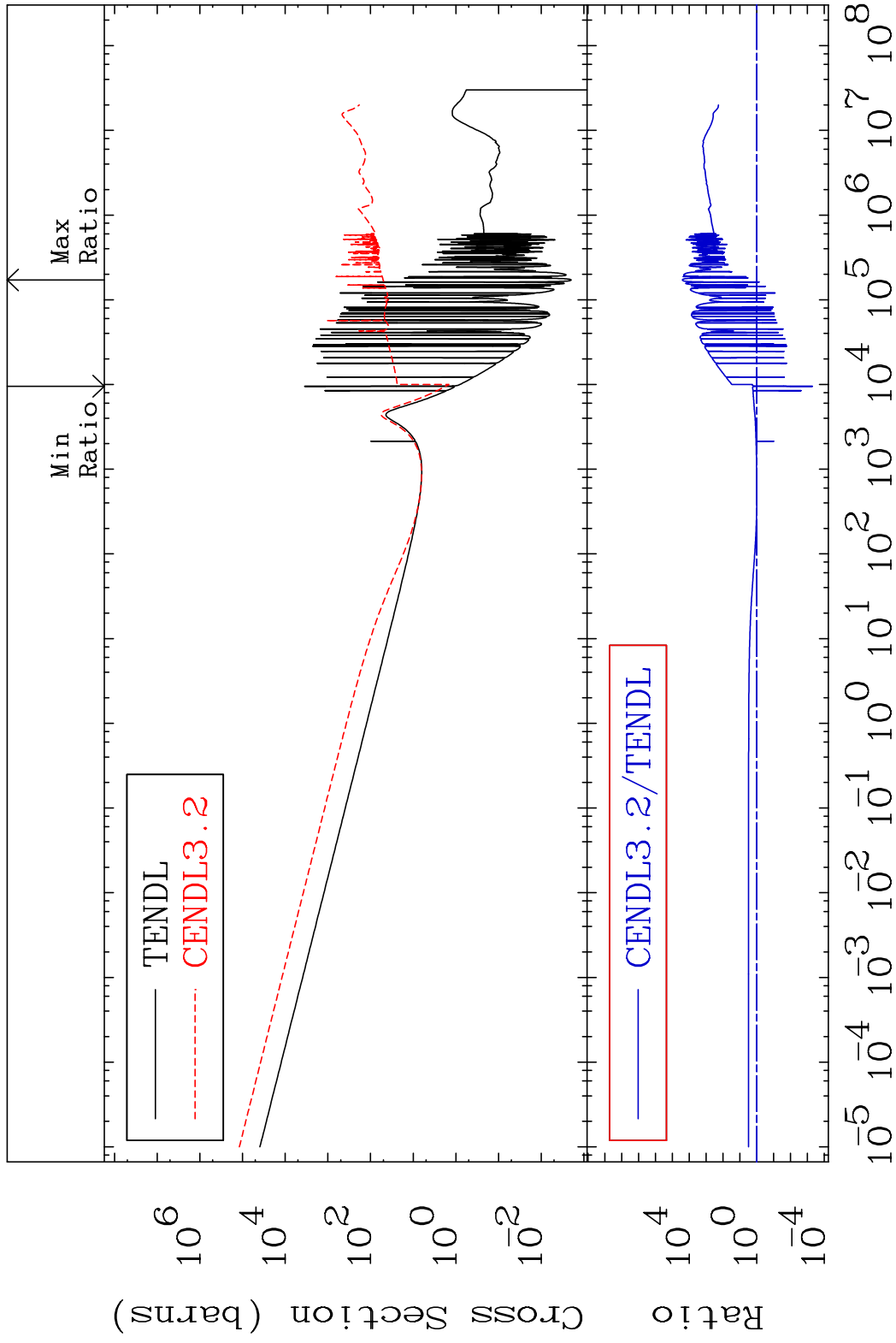
MAT 2837 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-62
 Cross Section -70.91 To 9999. %



MAT 2837

Kerma capture (mt102) 28-Ni-62

Cross Section -99.95 To 9999. %

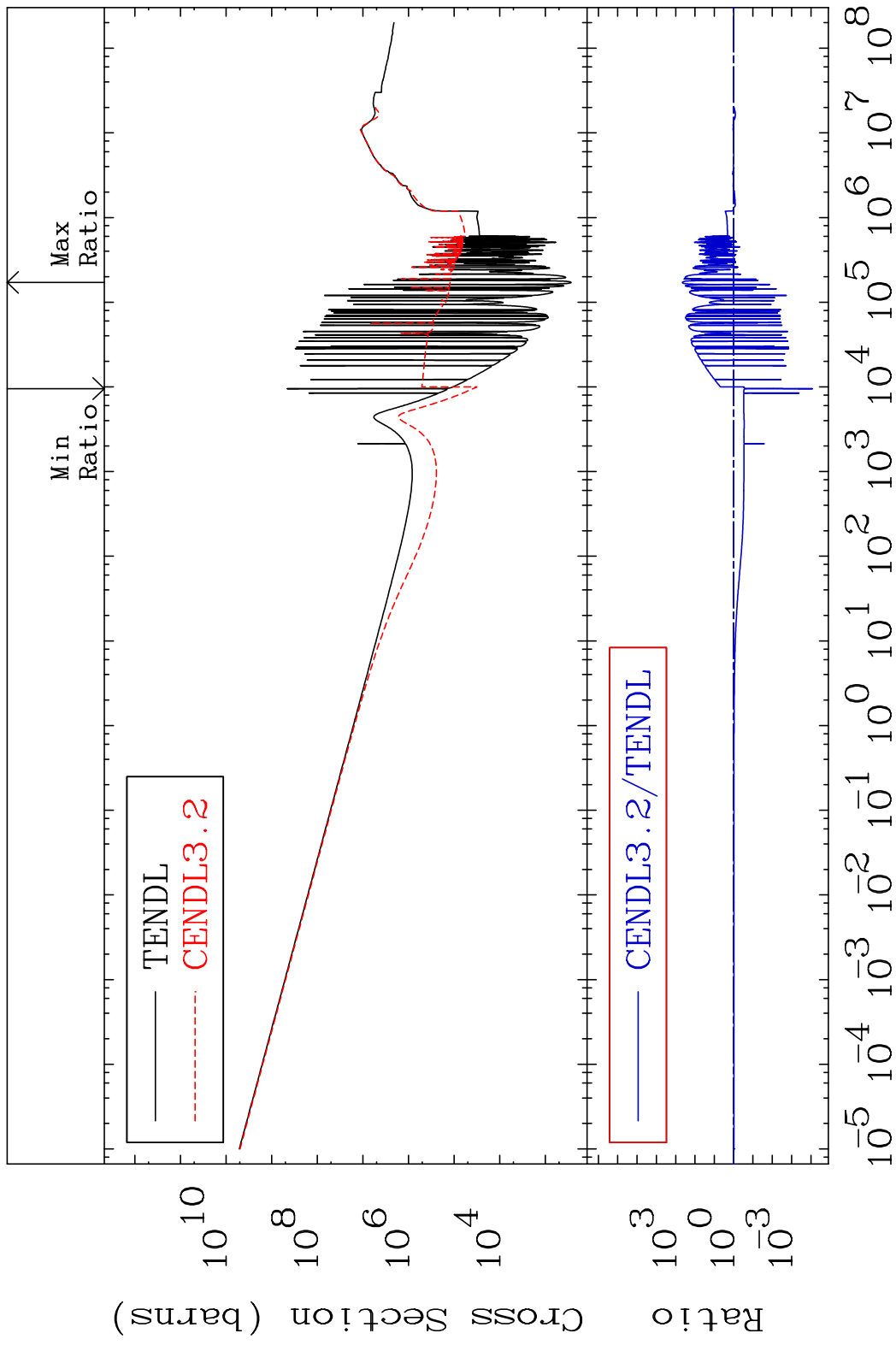


38

Incident Energy (eV)

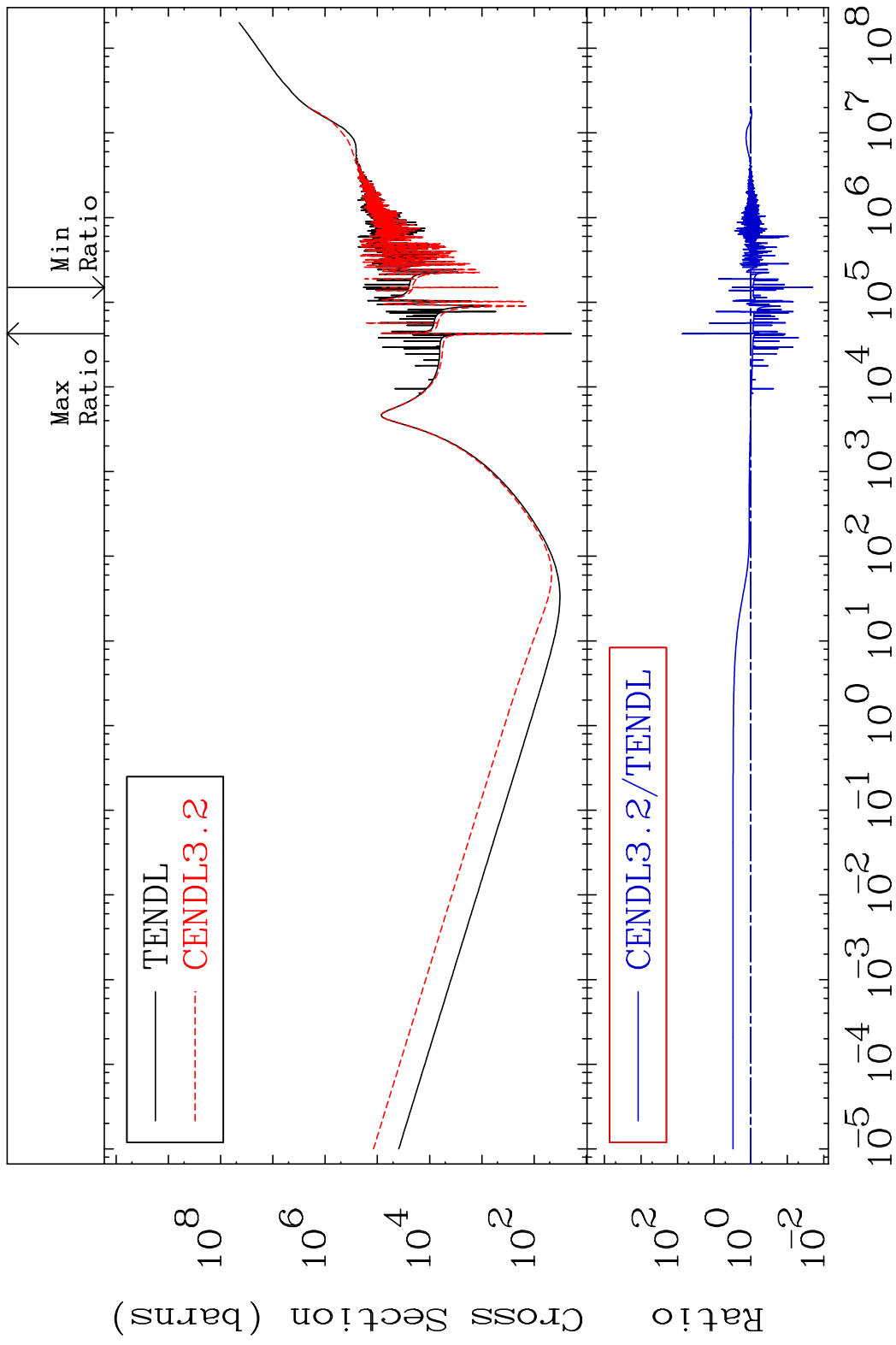
28-Ni-62

MAT 2837 Total photon (eV-barns) 28-Ni-62
 Cross Section -99.99 To 9999. %



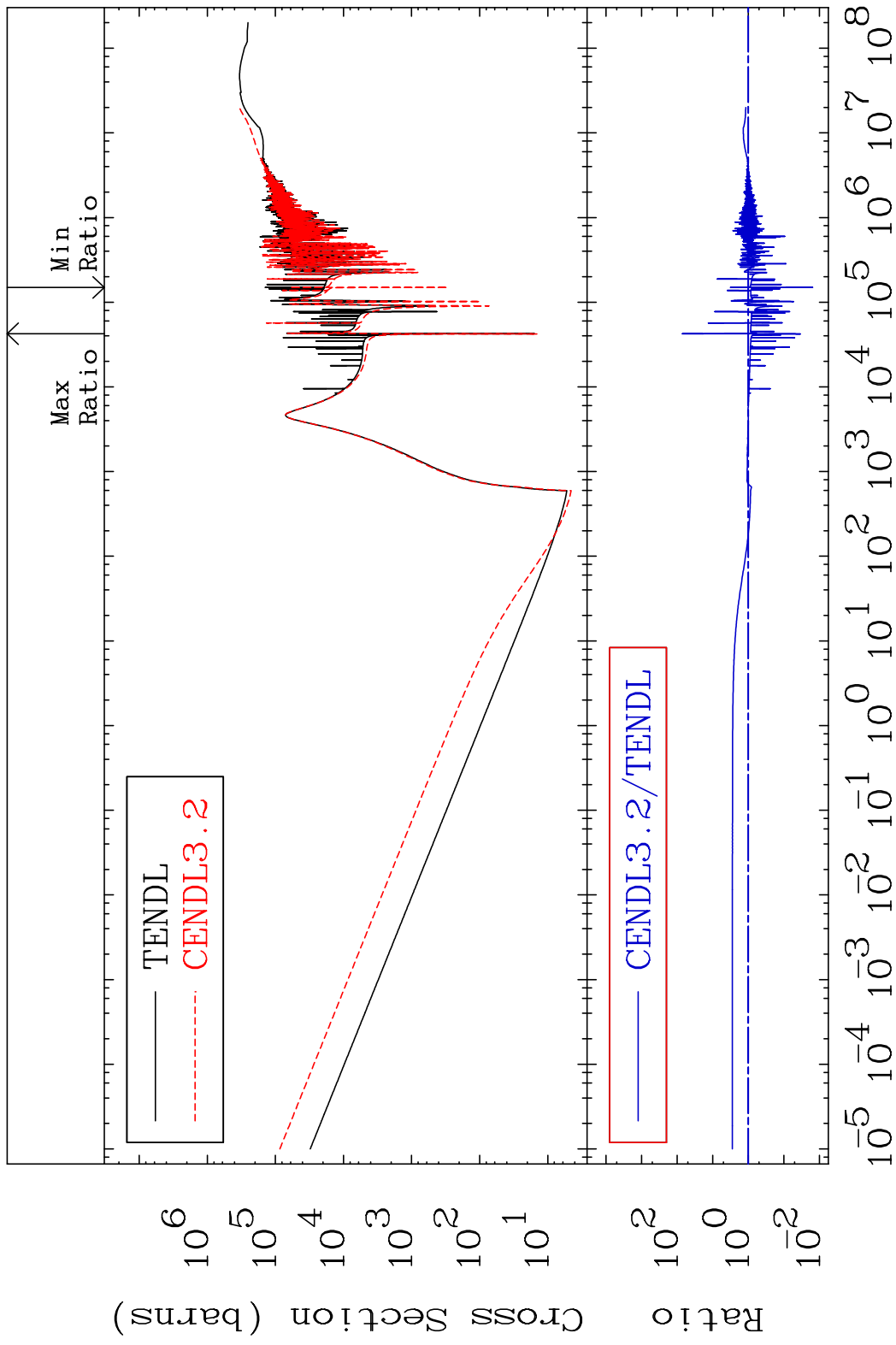
39 Incident Energy (eV) 28-Ni-62

MAT 2837 Total kinematic kerma (high limit) 28-Ni-62
Cross Section -97.97 To 7316. %



40 Incident Energy (eV) 28-Ni-62

MAT 2837 Dpa total (eV-barns) 28-Ni-62
 Cross Section -98.44 To 7058. %

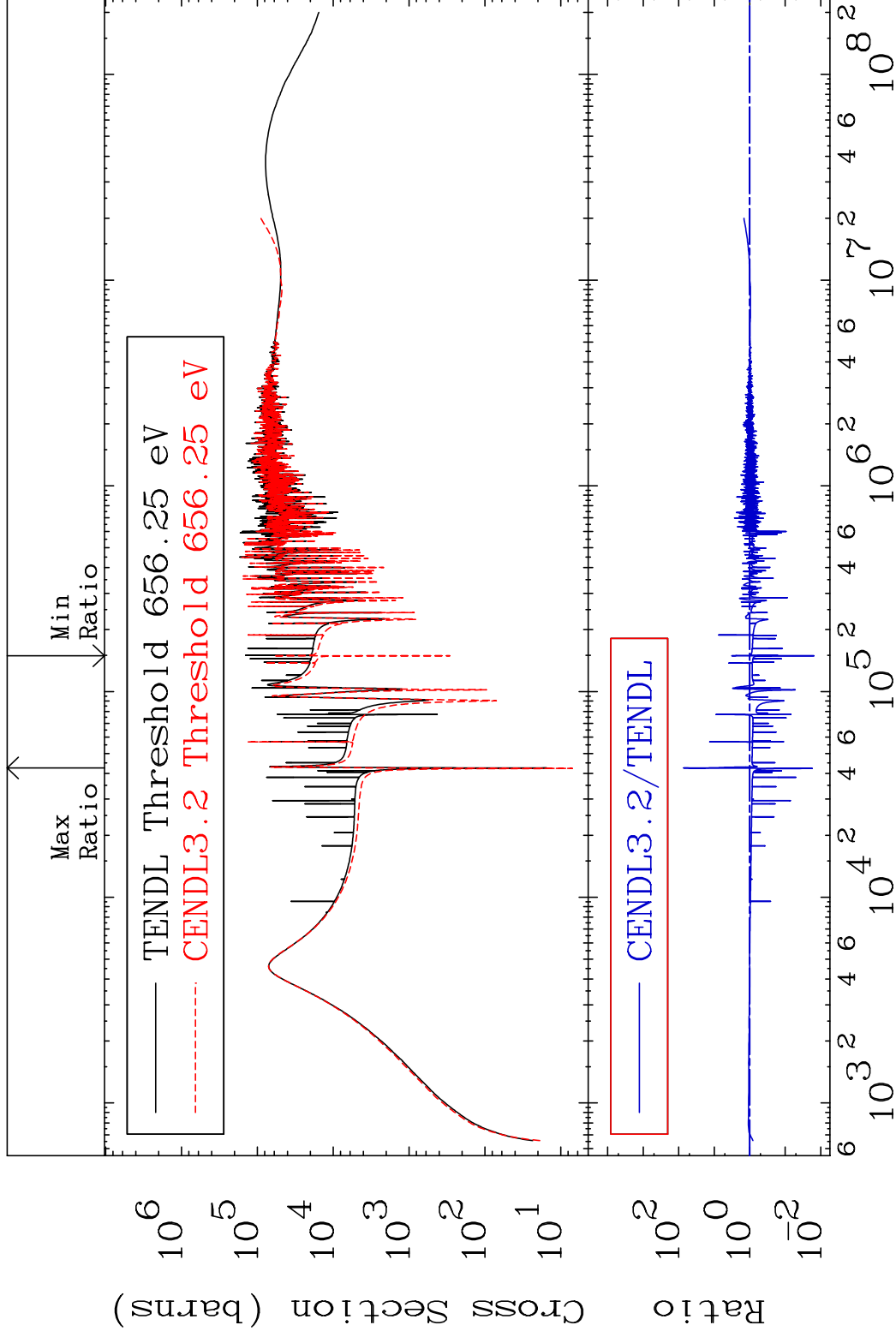


MAT 2837

Dpa elastic (mt2)

28-Ni-62

Cross Section -98.47 To 7154. %

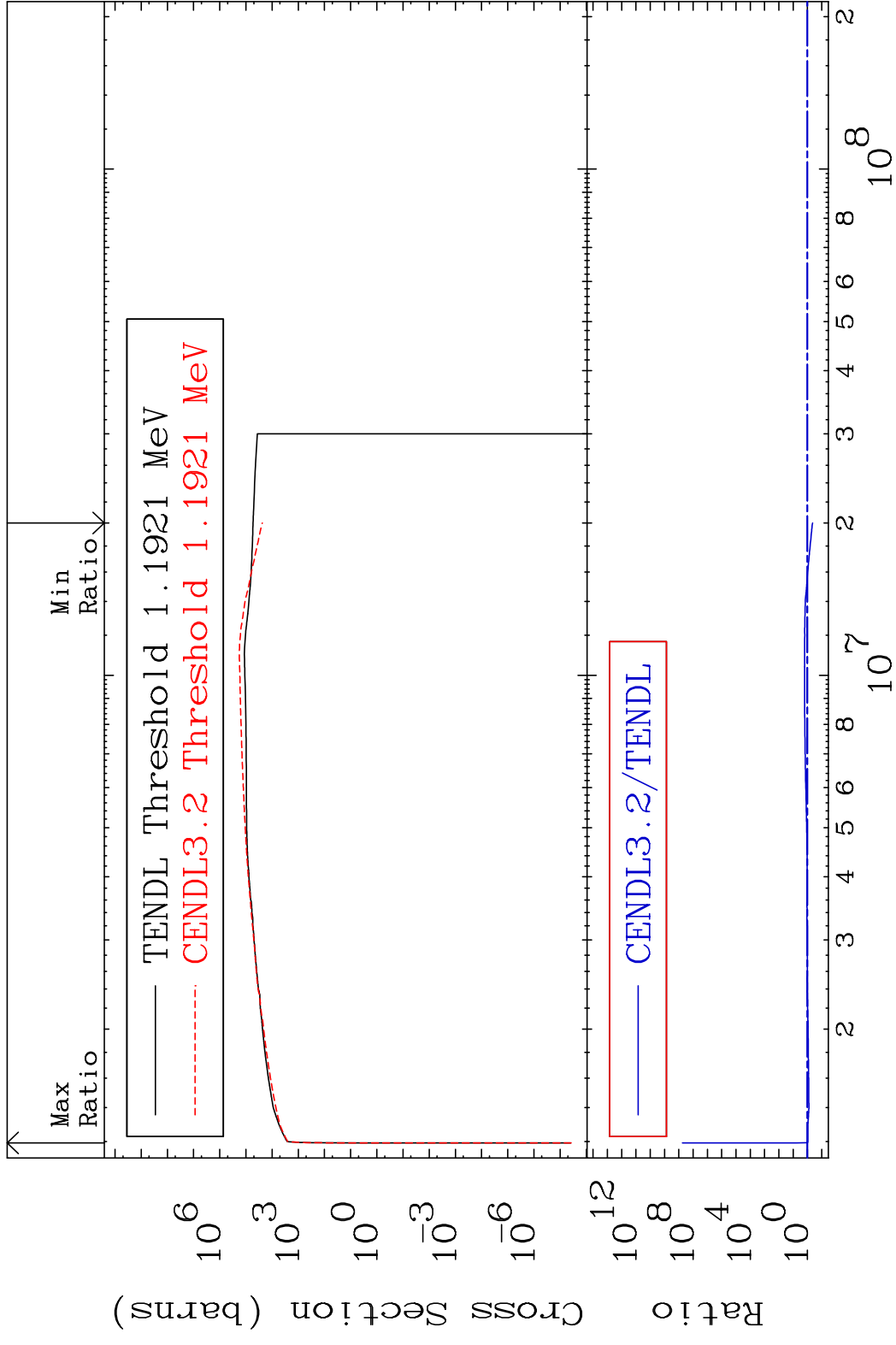


42

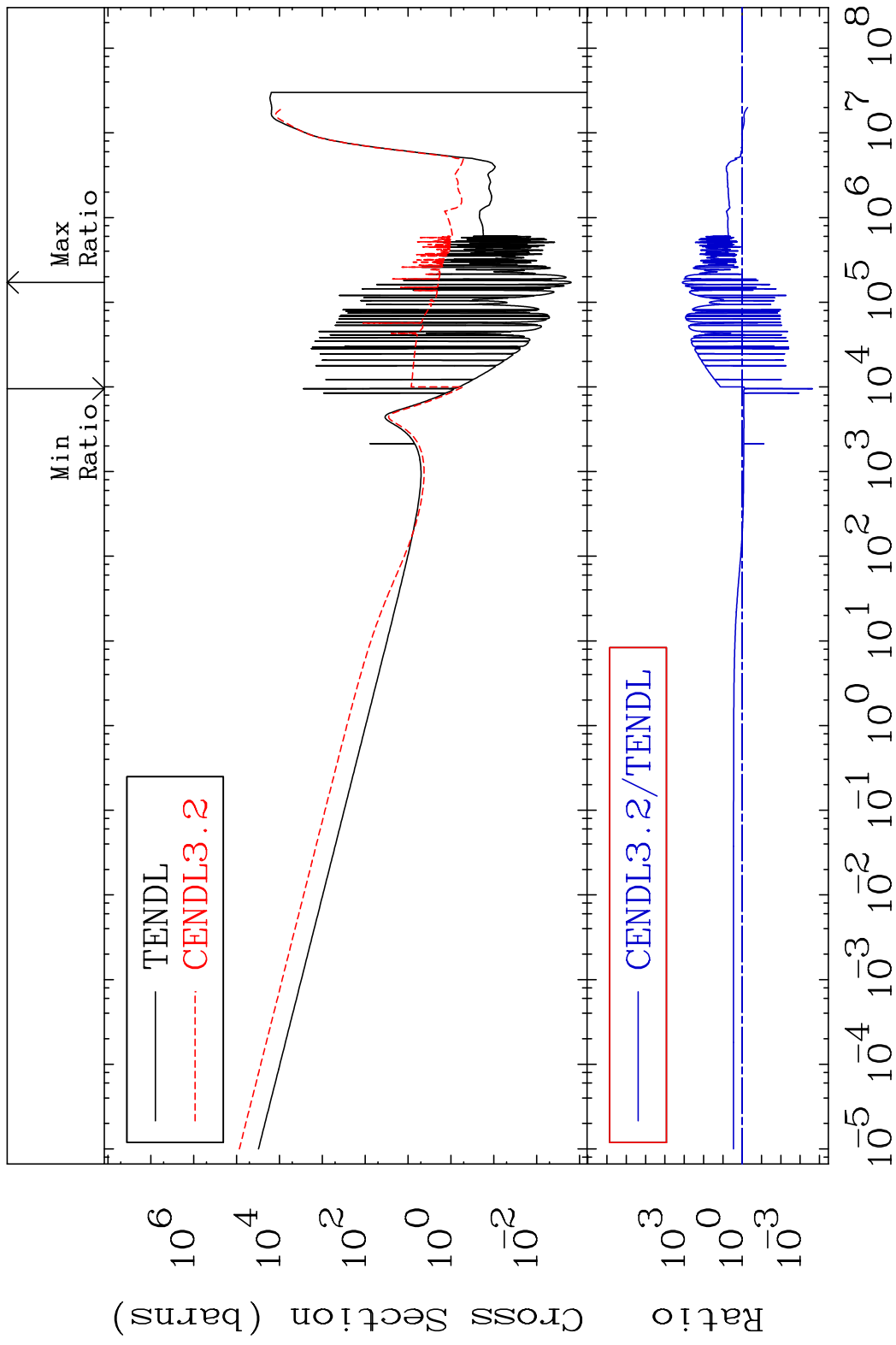
Incident Energy (eV)

28-Ni-62

MAT 2837 Dpa inelastic (mt51-91) 28-Ni-62
 Cross Section -55.91 To 9999. %



MAT 2837 Dpa disappearance (mt102 -120) 28-Ni-62
 Cross Section -99.98 To 9999. %



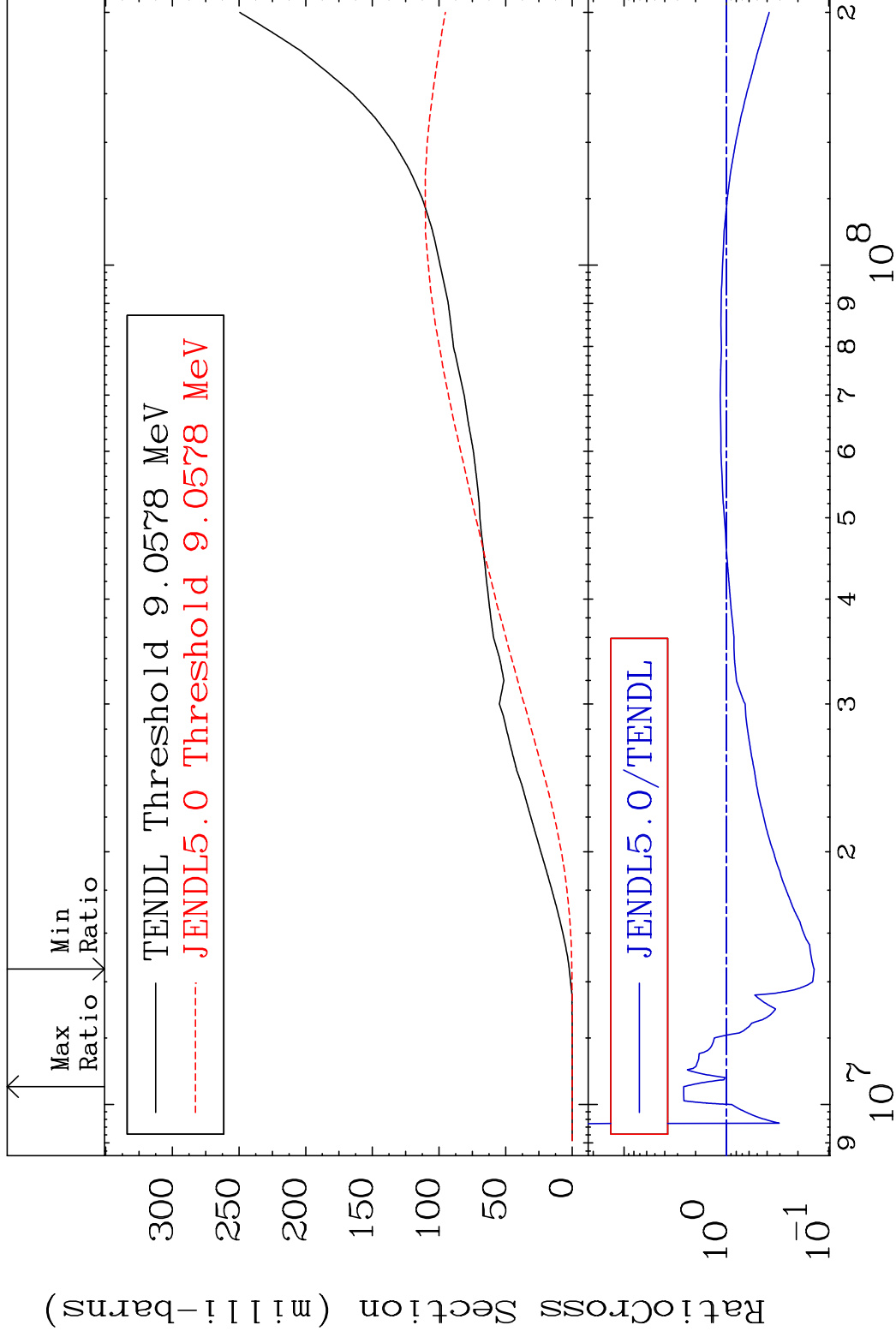
44 Incident Energy (eV) 28-Ni-62

MAT 2837

Deuterium Production

²⁸Ni-62

Cross Section -86.09 To 161.3 %



45

Incident Energy (eV)

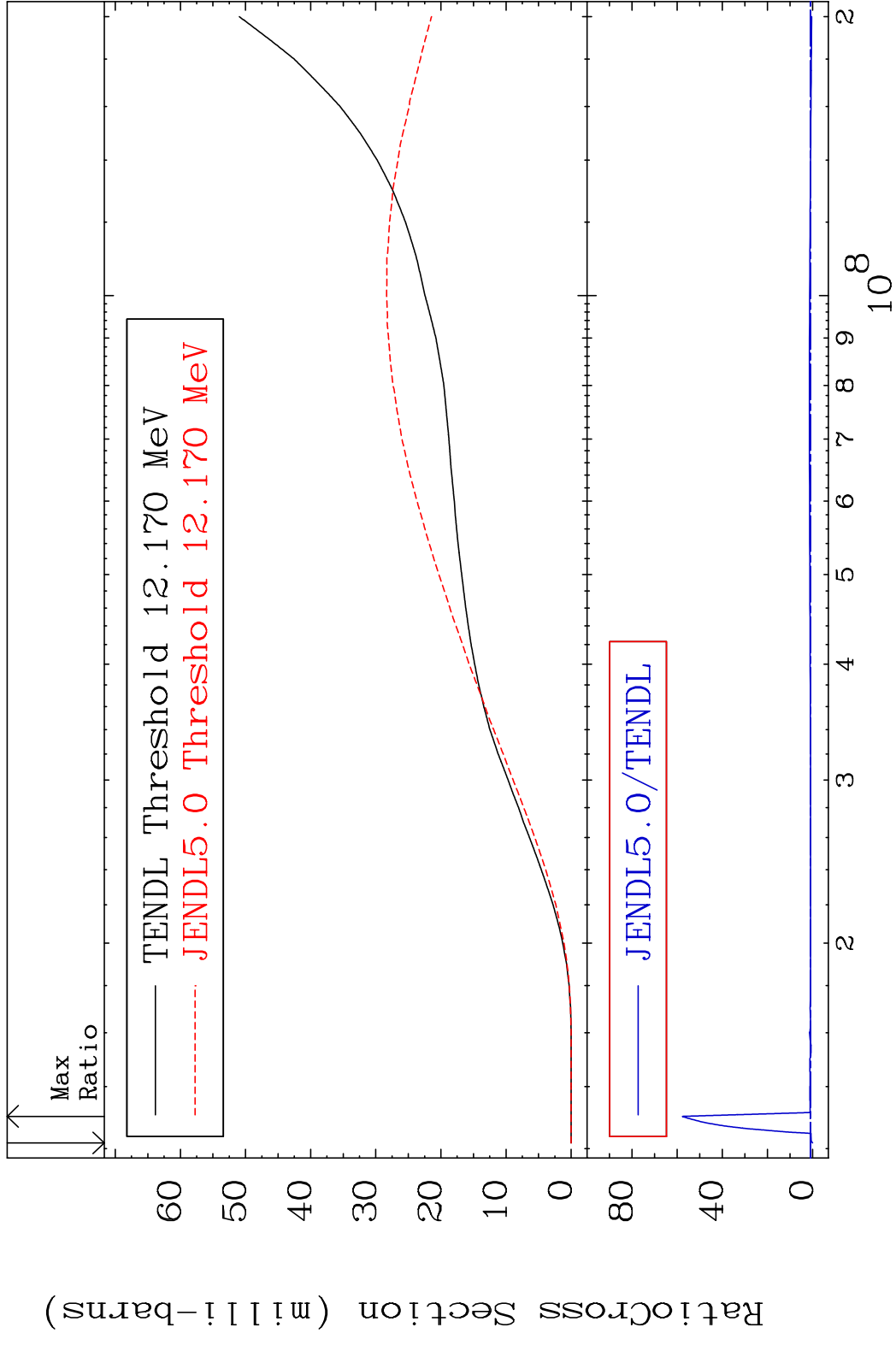
²⁸Ni-62

MAT 2837

Tritium Production

28-Ni-62

Cross Section -100.0 To 5671. %

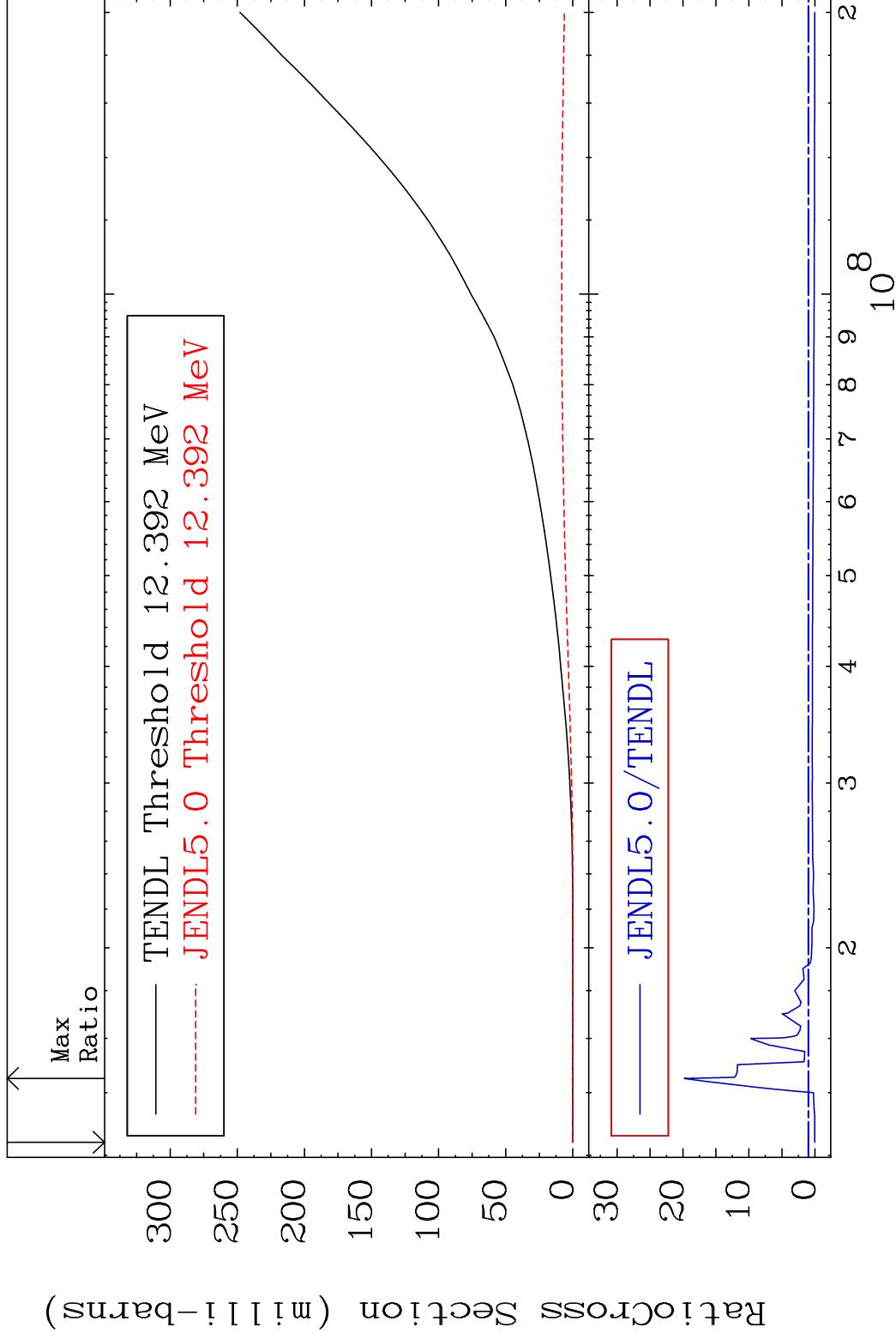


MAT 2837

He-3 Production

28-Ni-62

Cross Section -100.0 To 1880. %



47

Incident Energy (eV)

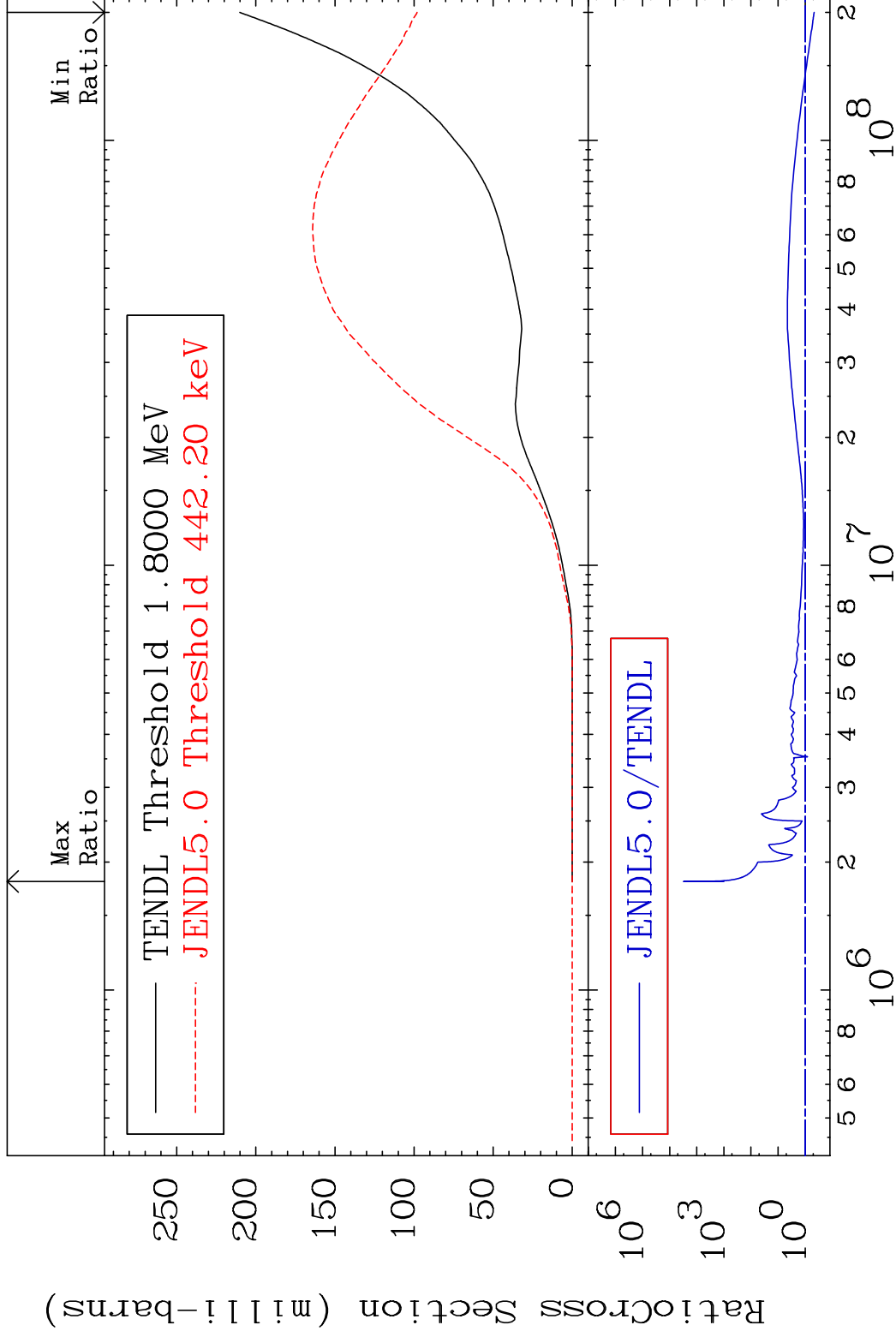
28-Ni-62

MAT 2837

He-4 Production

28-Ni-62

Cross Section -53.35 To 9999. %

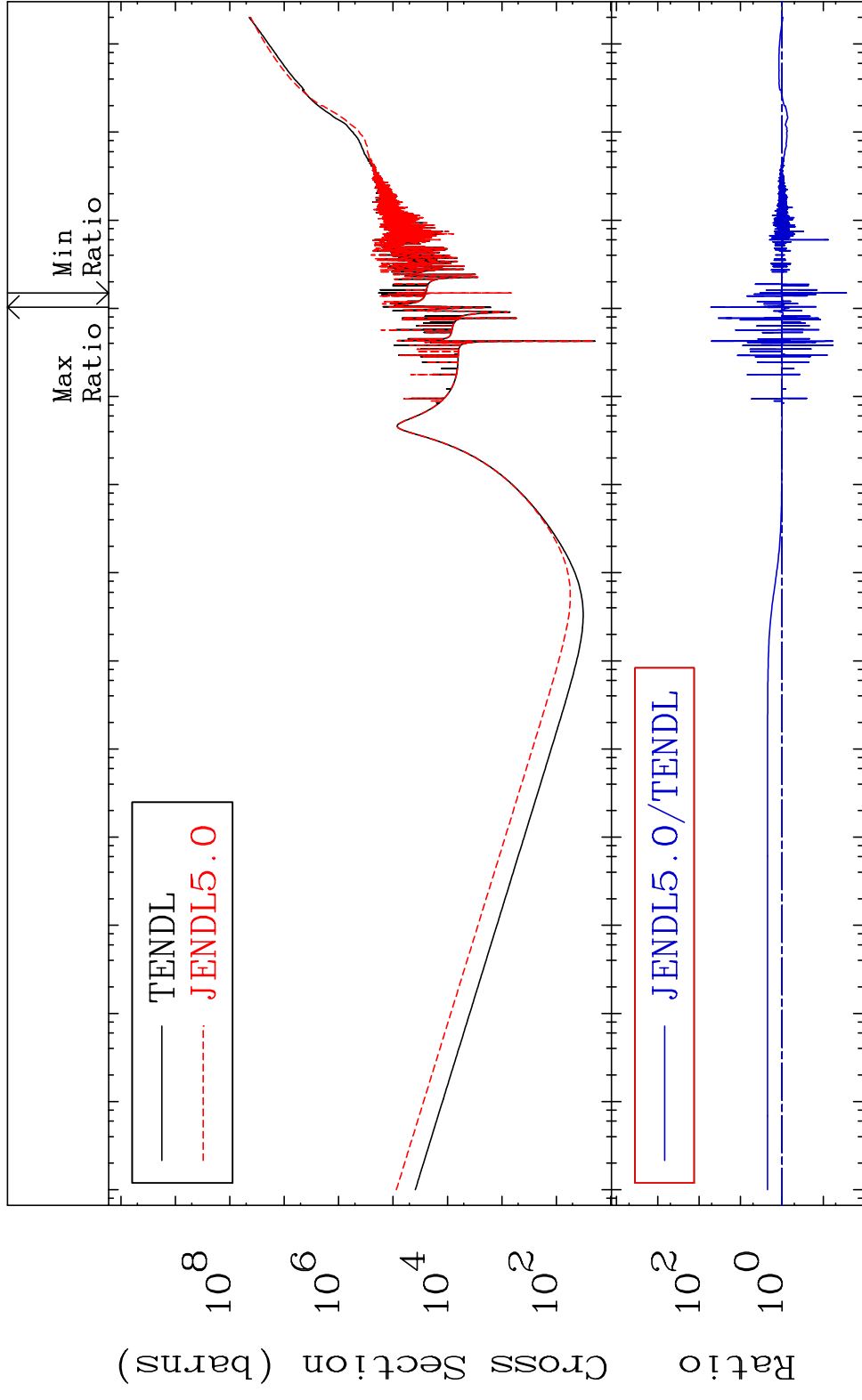


48

Incident Energy (eV)

28-Ni-62

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

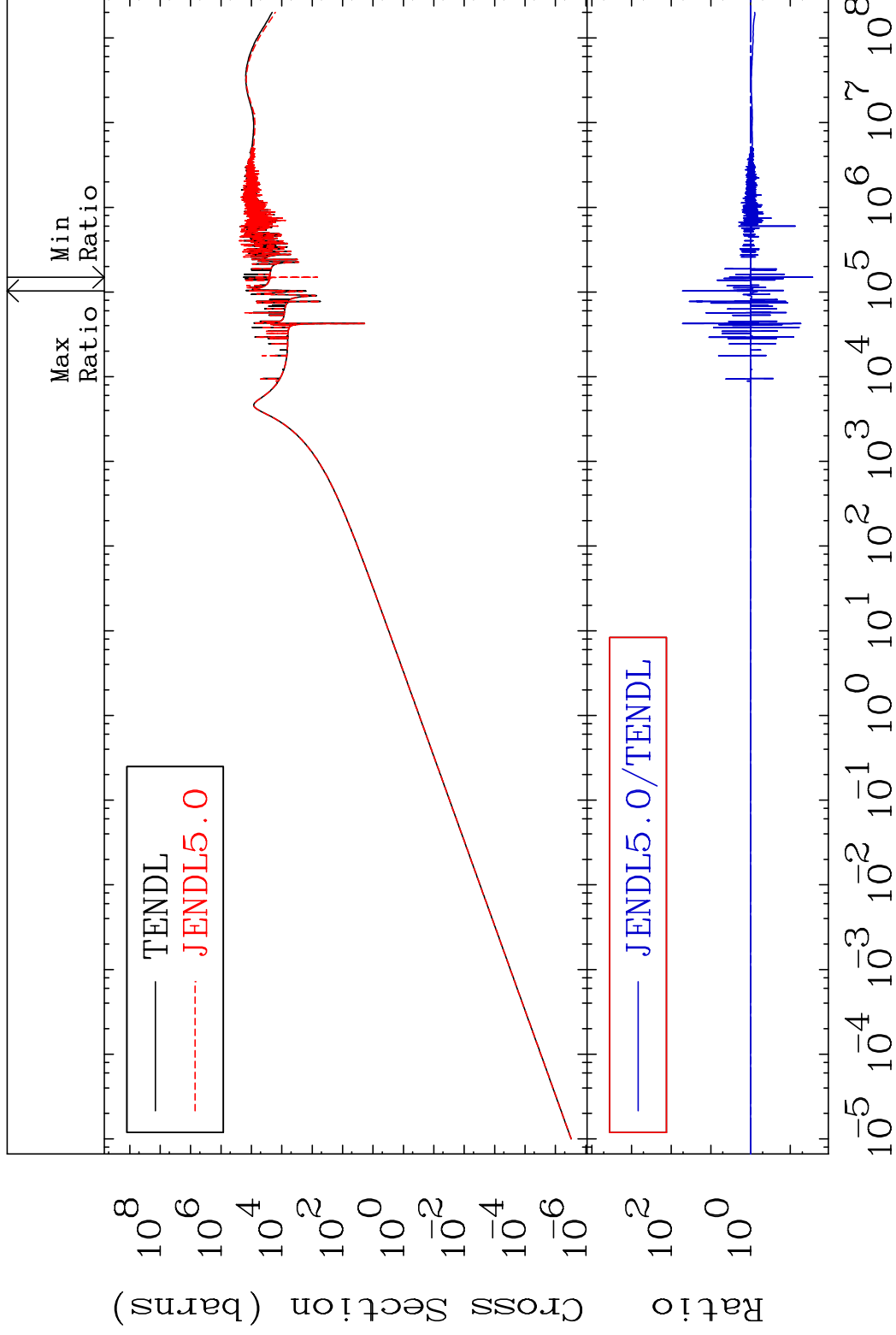


49 Incident Energy (eV) 28-Ni-62

MAT 2837

Kerma elastic
Cross Section

28-Ni-62
-97.24 To 5131. %

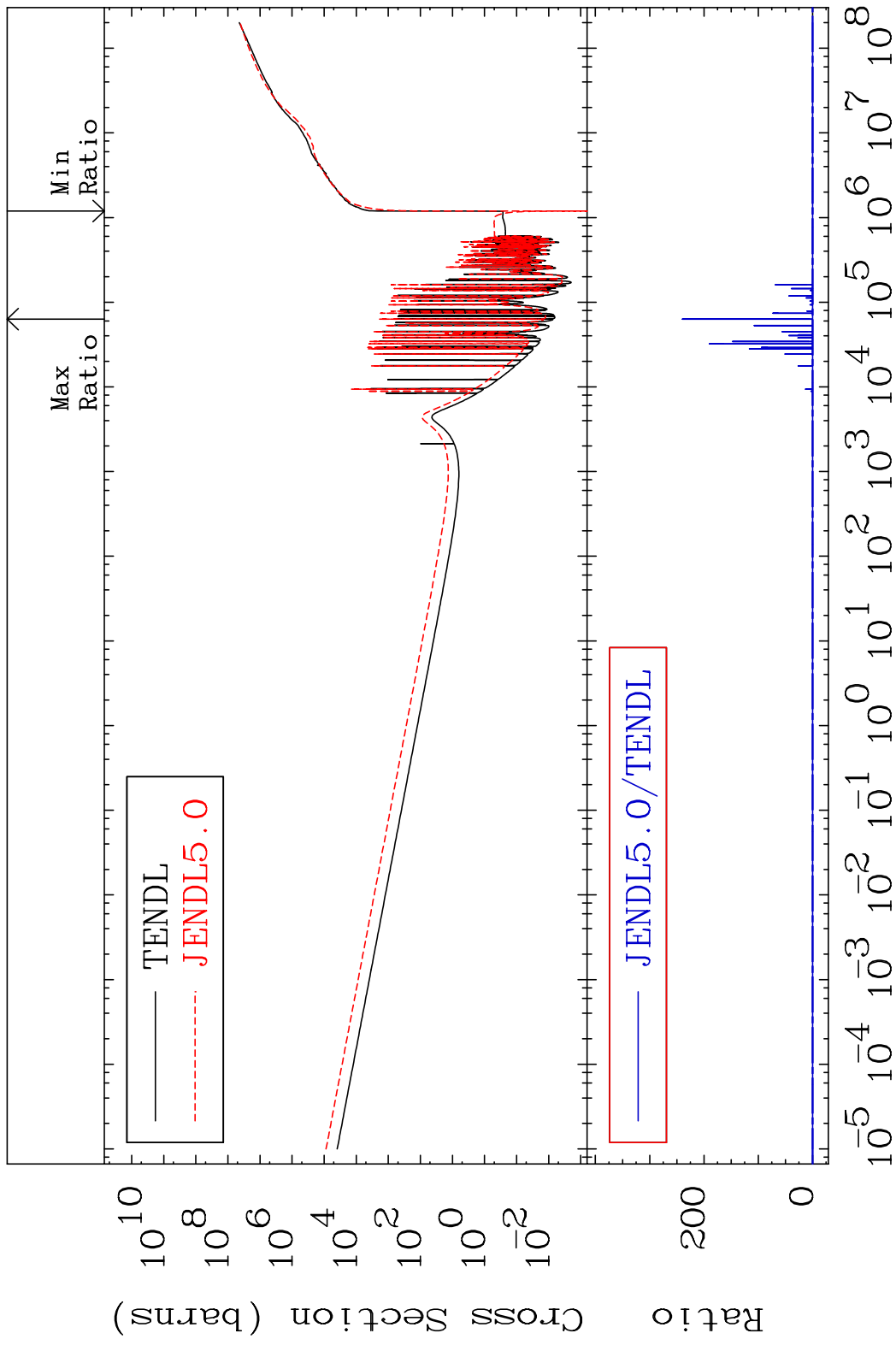


50

Incident Energy (eV)

28-Ni-62

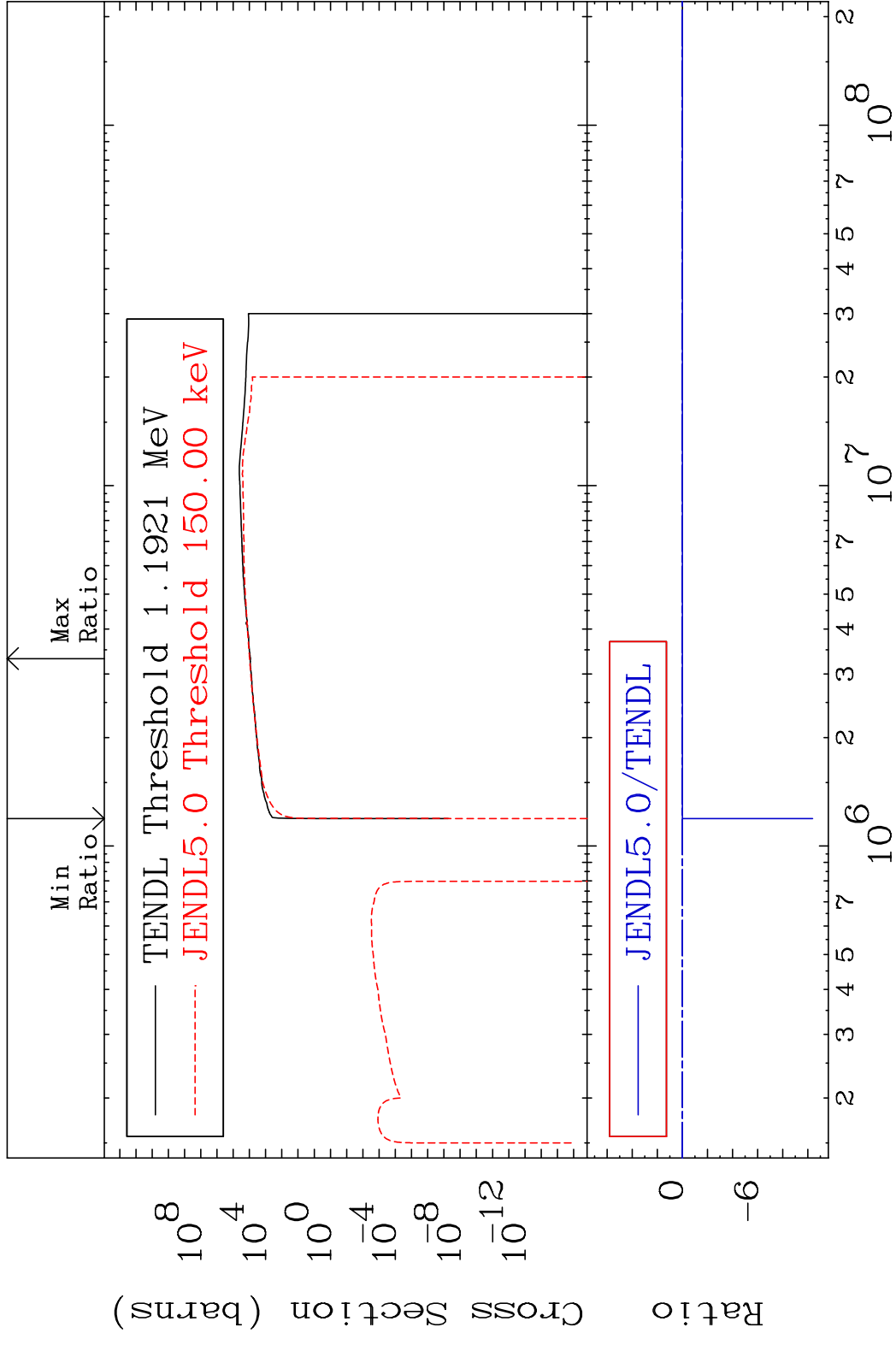
MAT 2837 Kerma non-elastic (all but mt2) 28-Ni-62
 Cross Section -100.3 To 9999. %



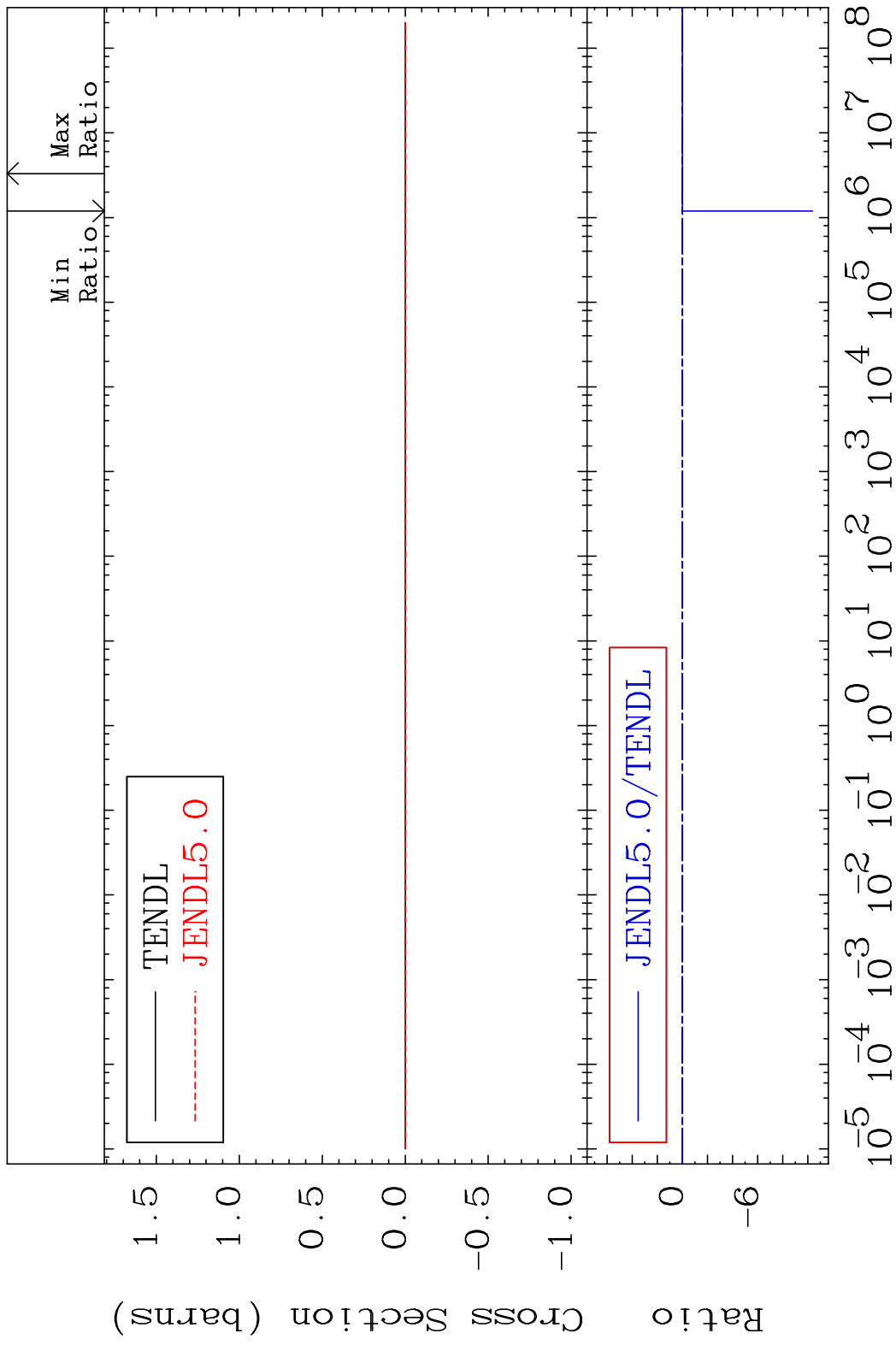
51 Incident Energy (eV) 28-Ni-62

MAT 2837

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

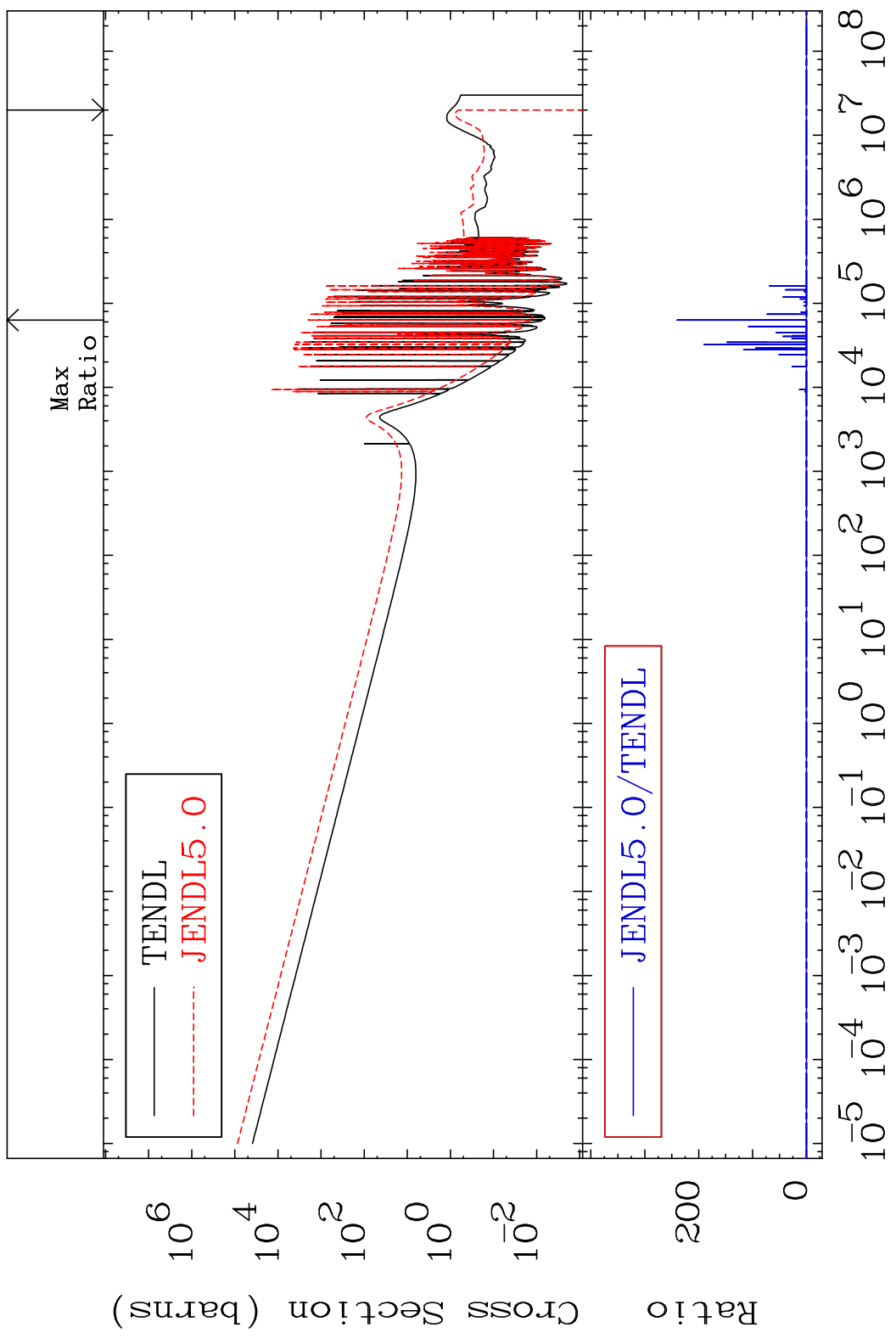


MAT 2837 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-62
 Cross Section -9999. To 12.77 %



MAT 2837

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

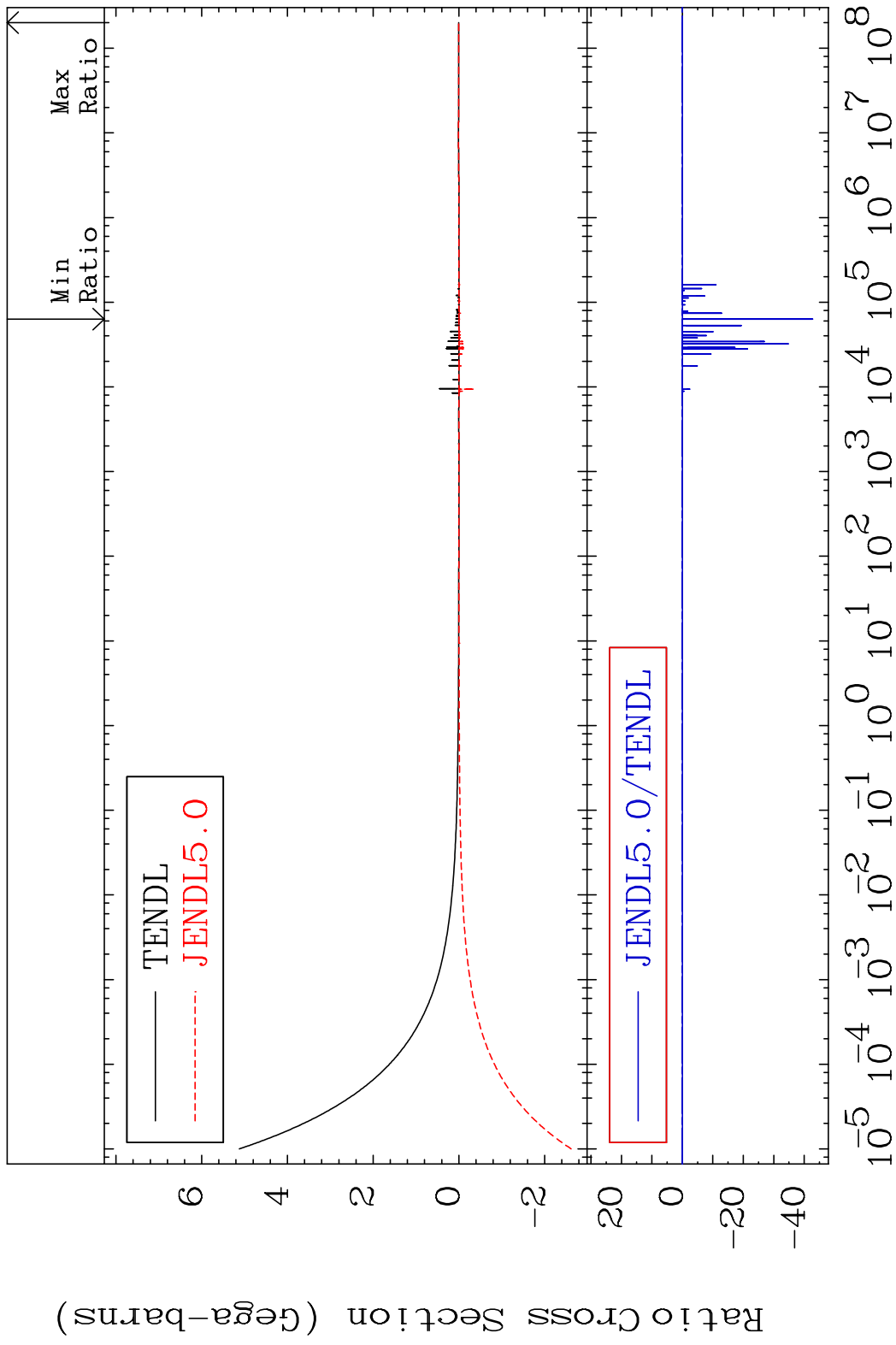


54

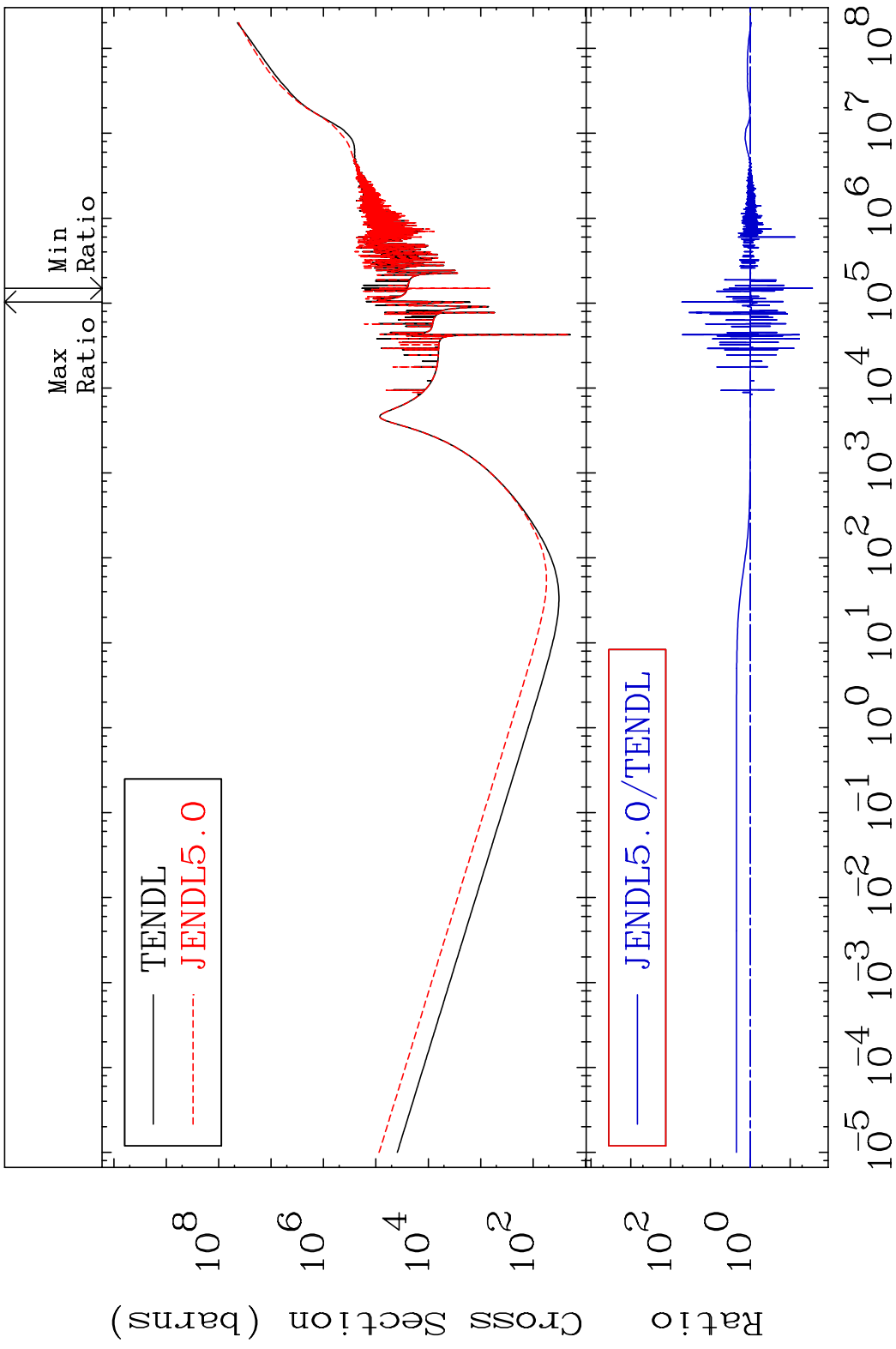
Incident Energy (eV)

28-Ni-62

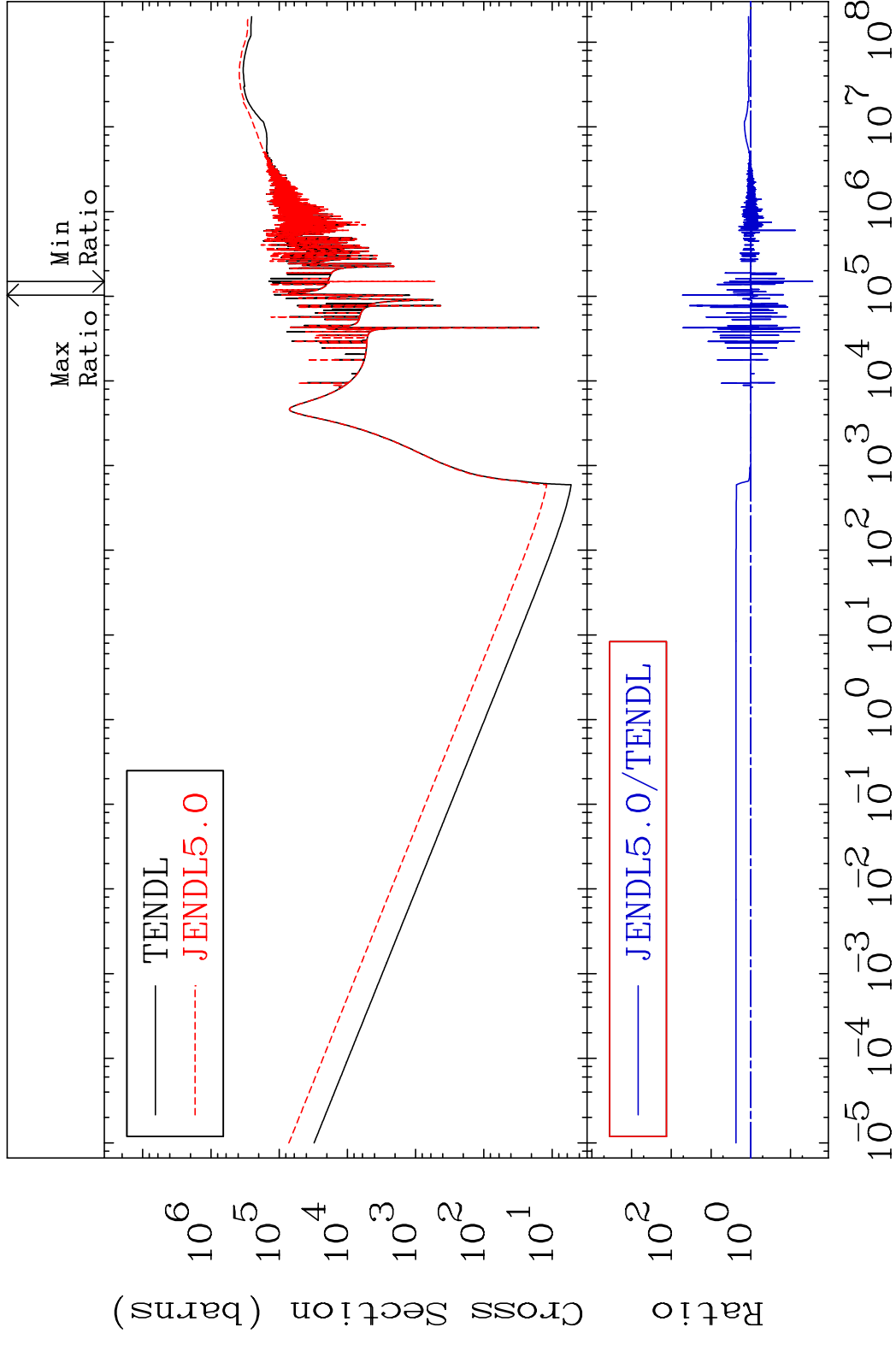
MAT 2837 Total photon (eV-barns) 28-Ni-62
Cross Section -9999. To 101.8 %



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. %



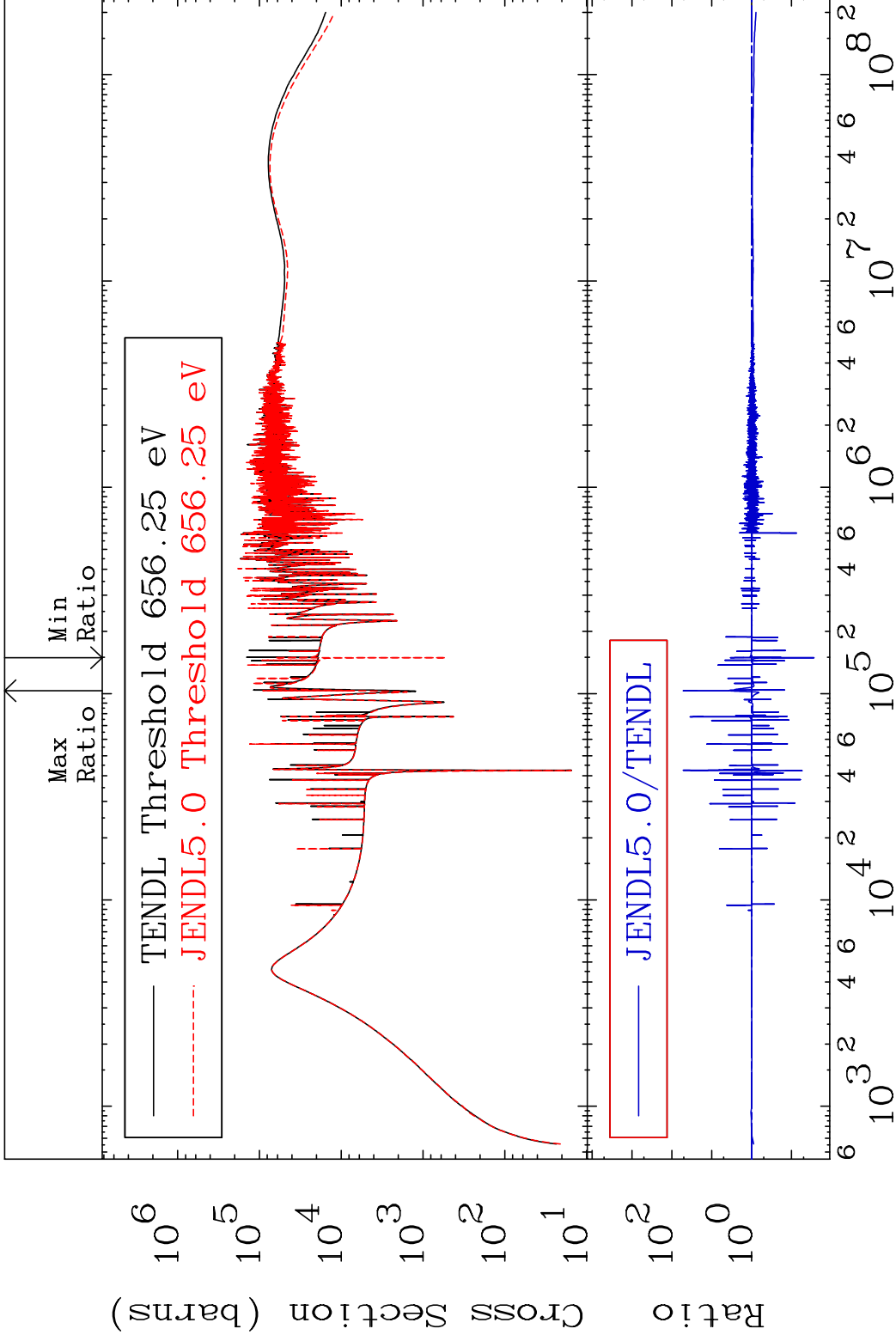
57 Incident Energy (eV) 28-Ni-62

MAT 2837

Dpa elastic (mt2)

28-Ni-62

Cross Section -97.24 To 5132. %



58

Incident Energy (eV)

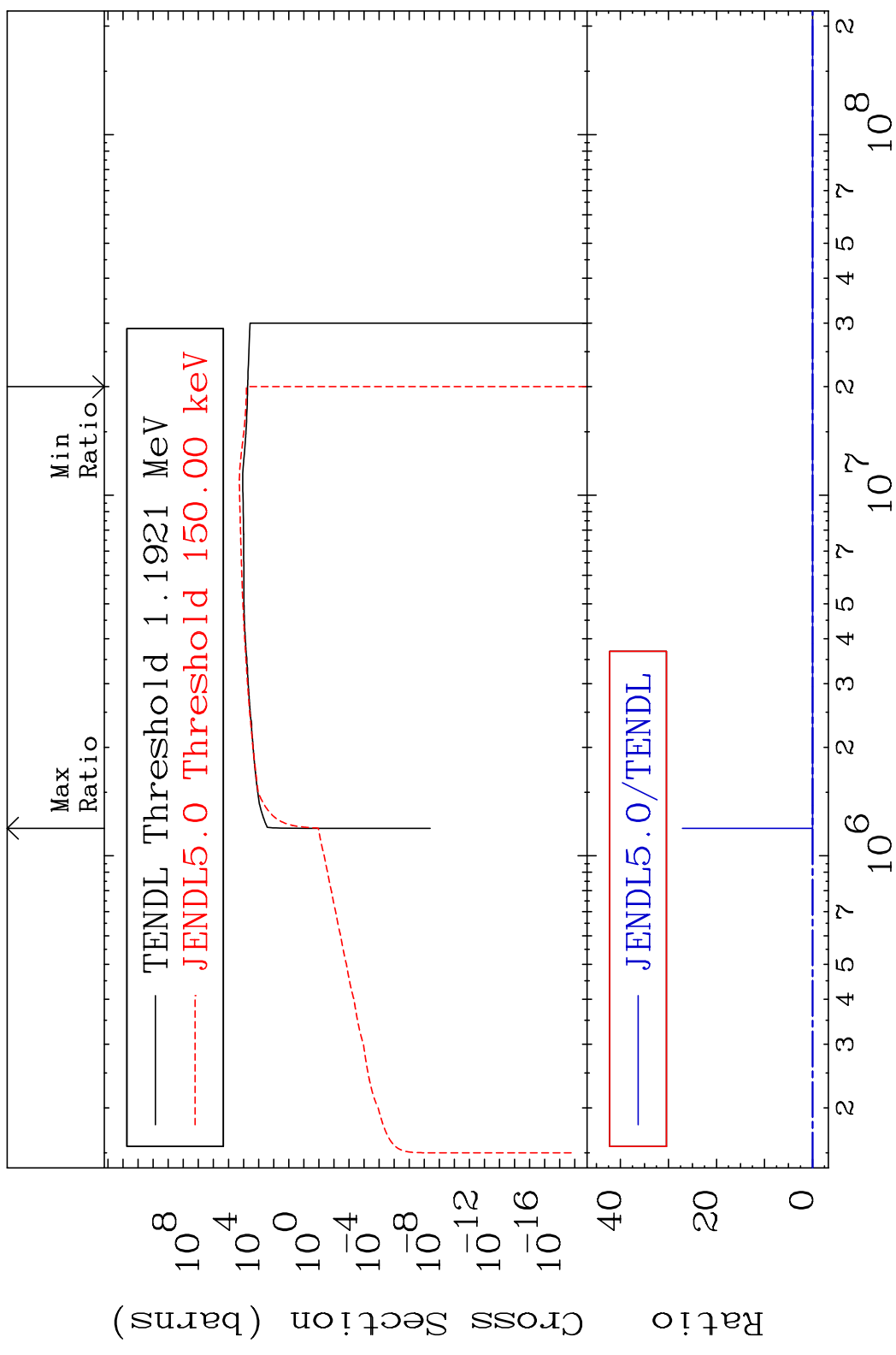
28-Ni-62

MAT 2837

Dpa inelastic (mt51-91)

28-Ni-62

Cross Section -100.0 To 9999. %

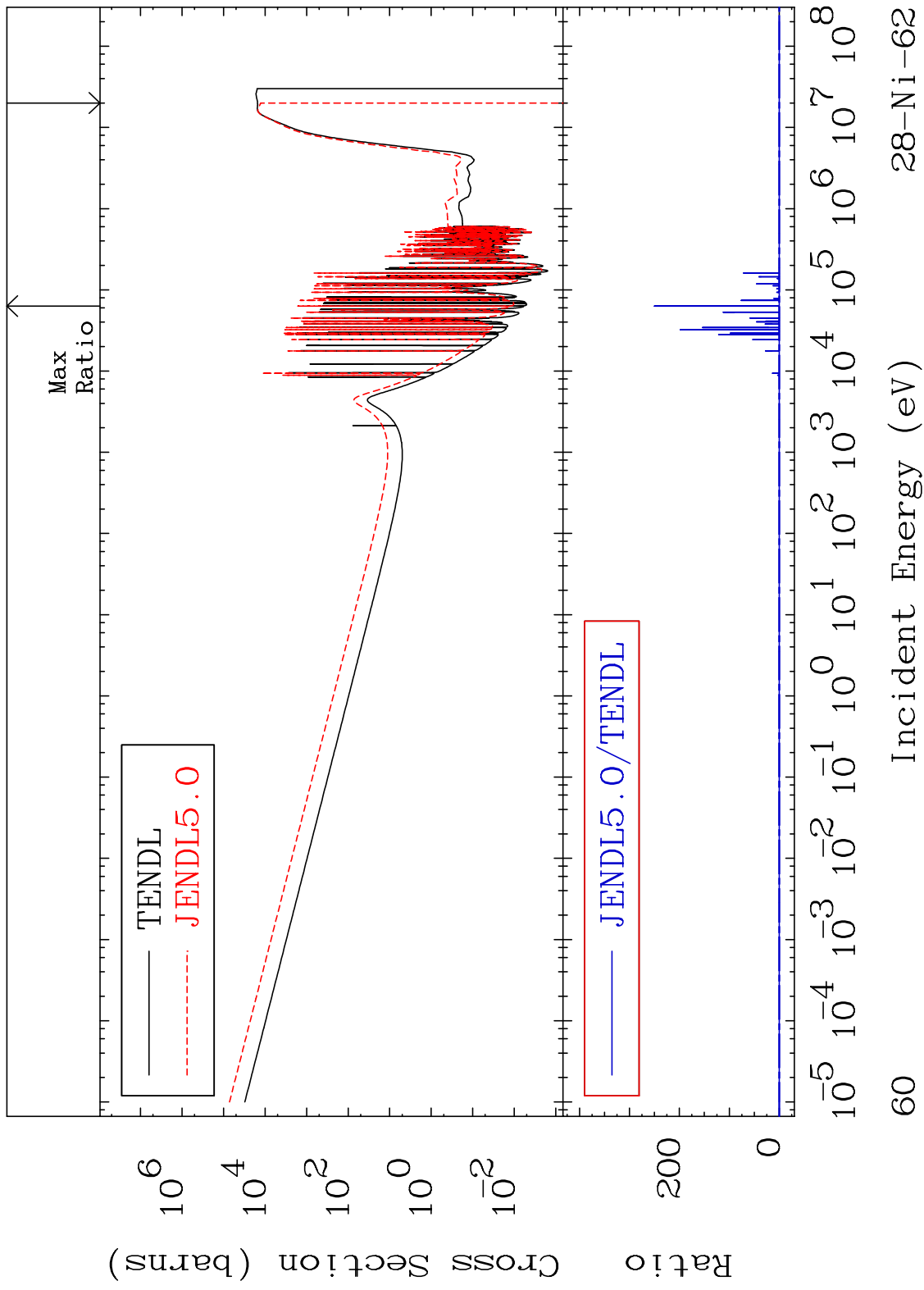


59

Incident Energy (eV)

28-Ni-62

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

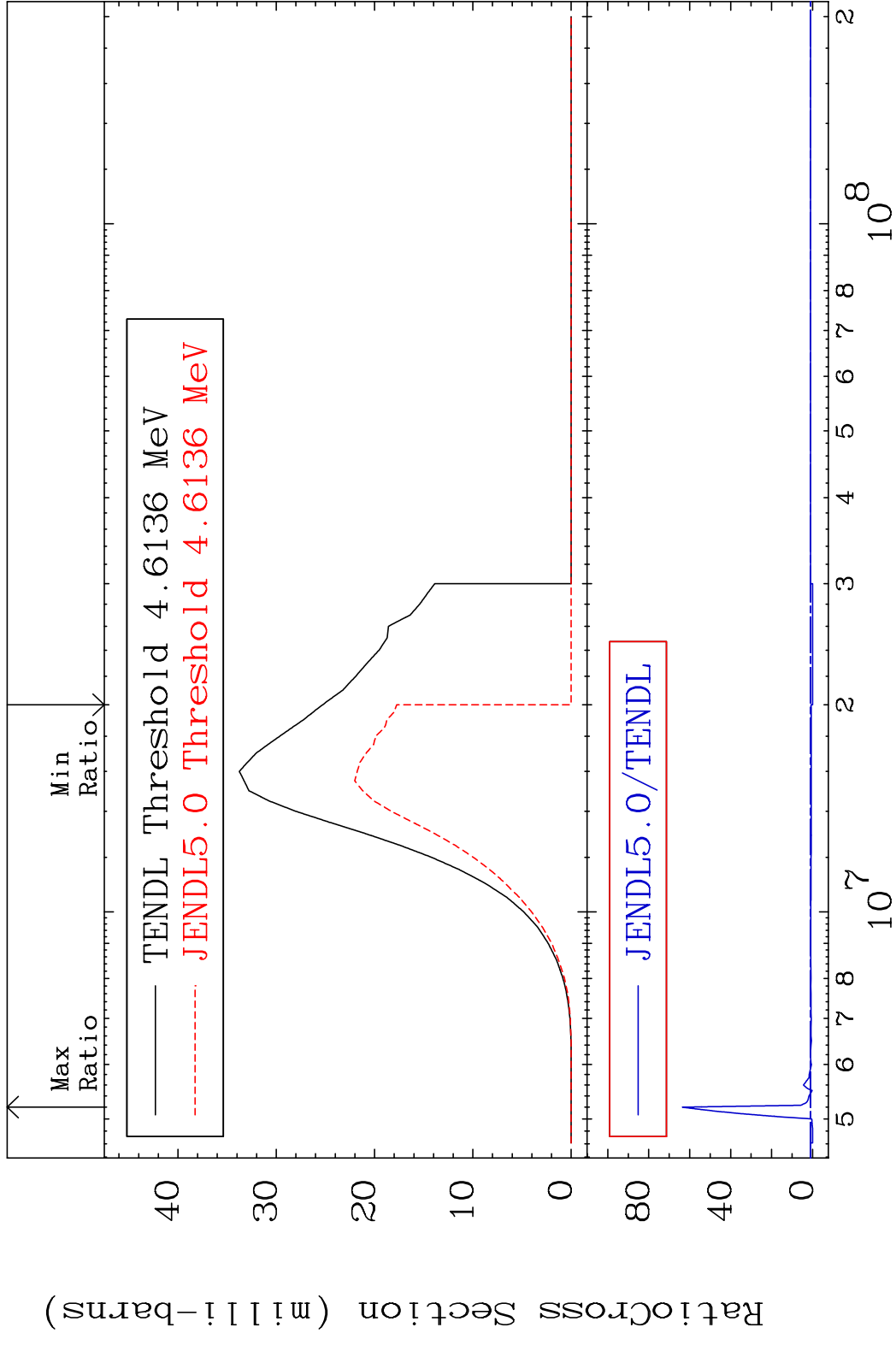


60

Incident Energy (eV)

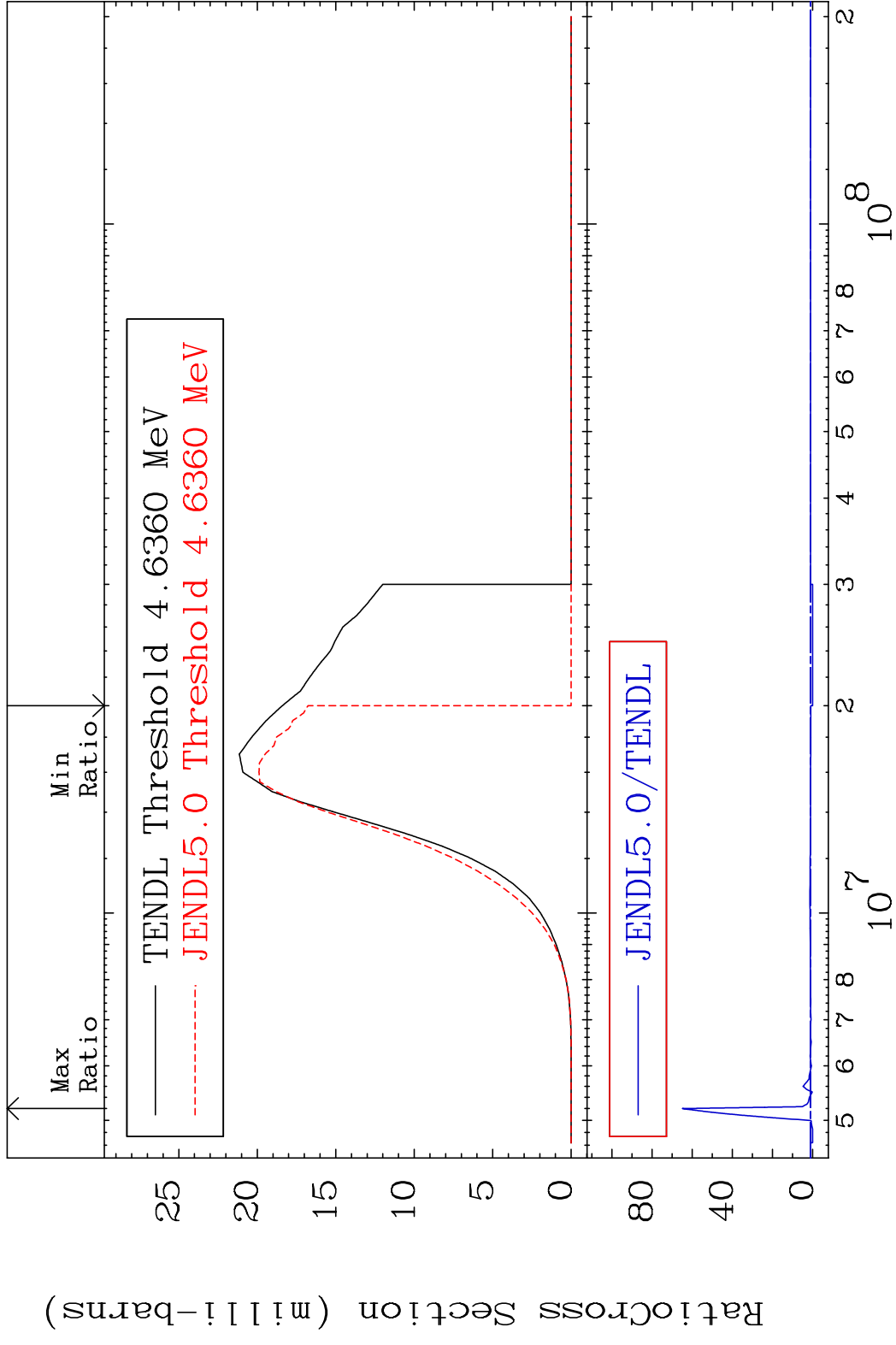
28-Ni-62

MAT 2837 (n,p):27-Co-62g 28-Ni-62
 Radionuclide Production Cross Section Ratio 6257. %

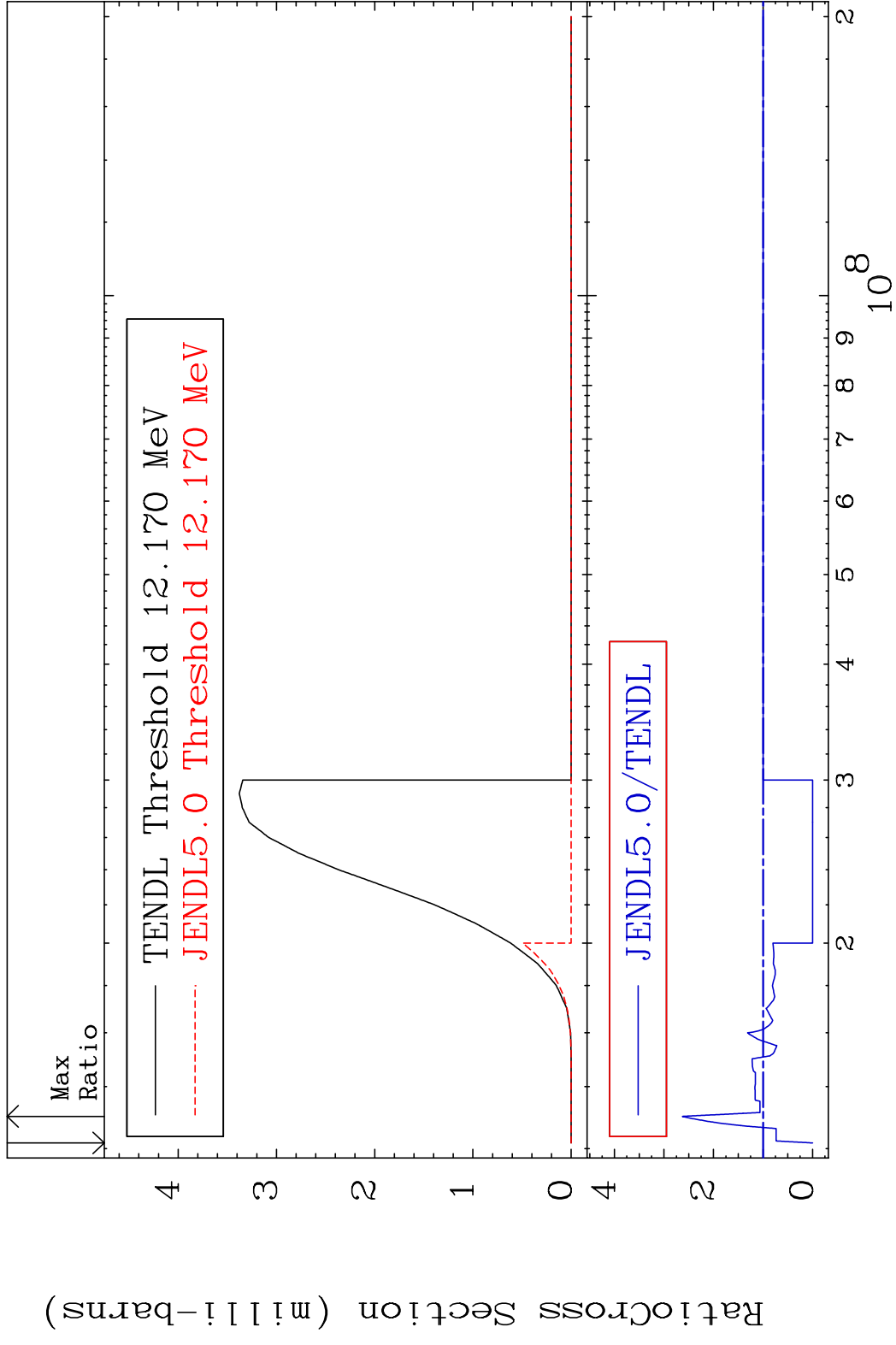


61 Incident Energy (eV) 28-Ni-62

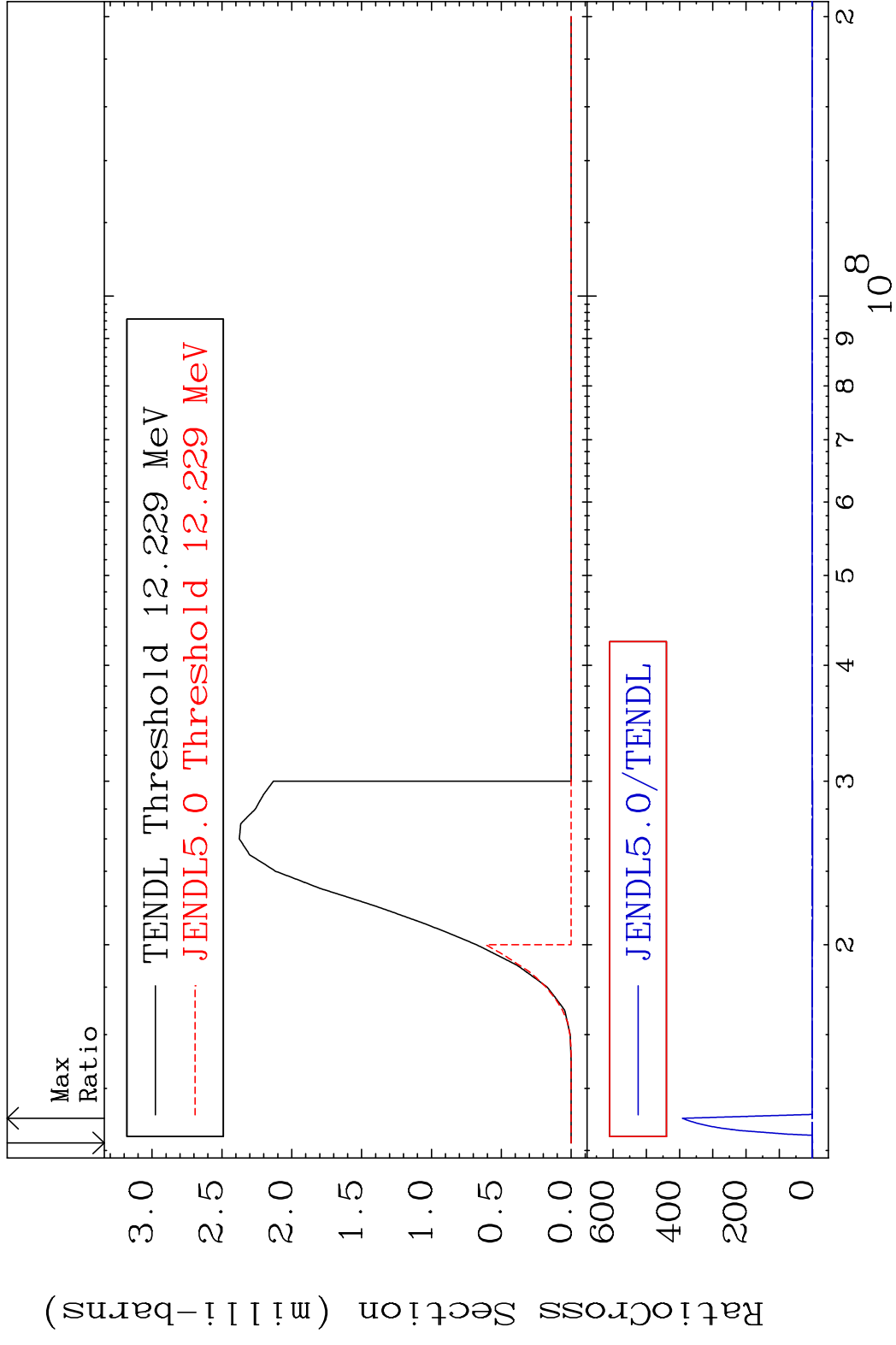
MAT 2837 (n,p):27-Co-62m1 28-Ni-62
 Radionuclide Production Cross Section 1800.0 dth 6388. %



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

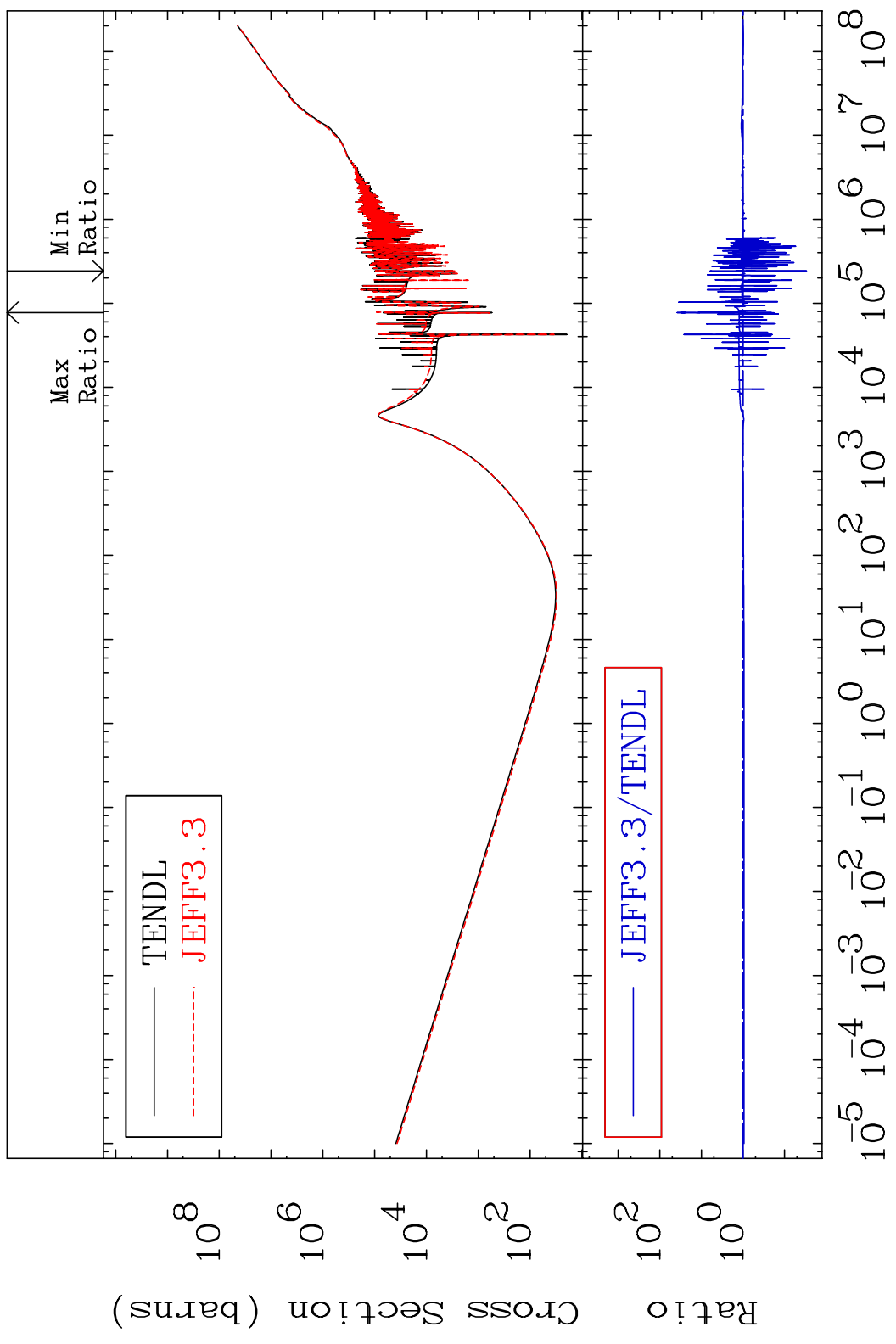


MAT 2837 (n,t):27-Co-60m1 28-Ni-62
 Radionuclide Production Cross Section Ratio



MAT 2837

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



65

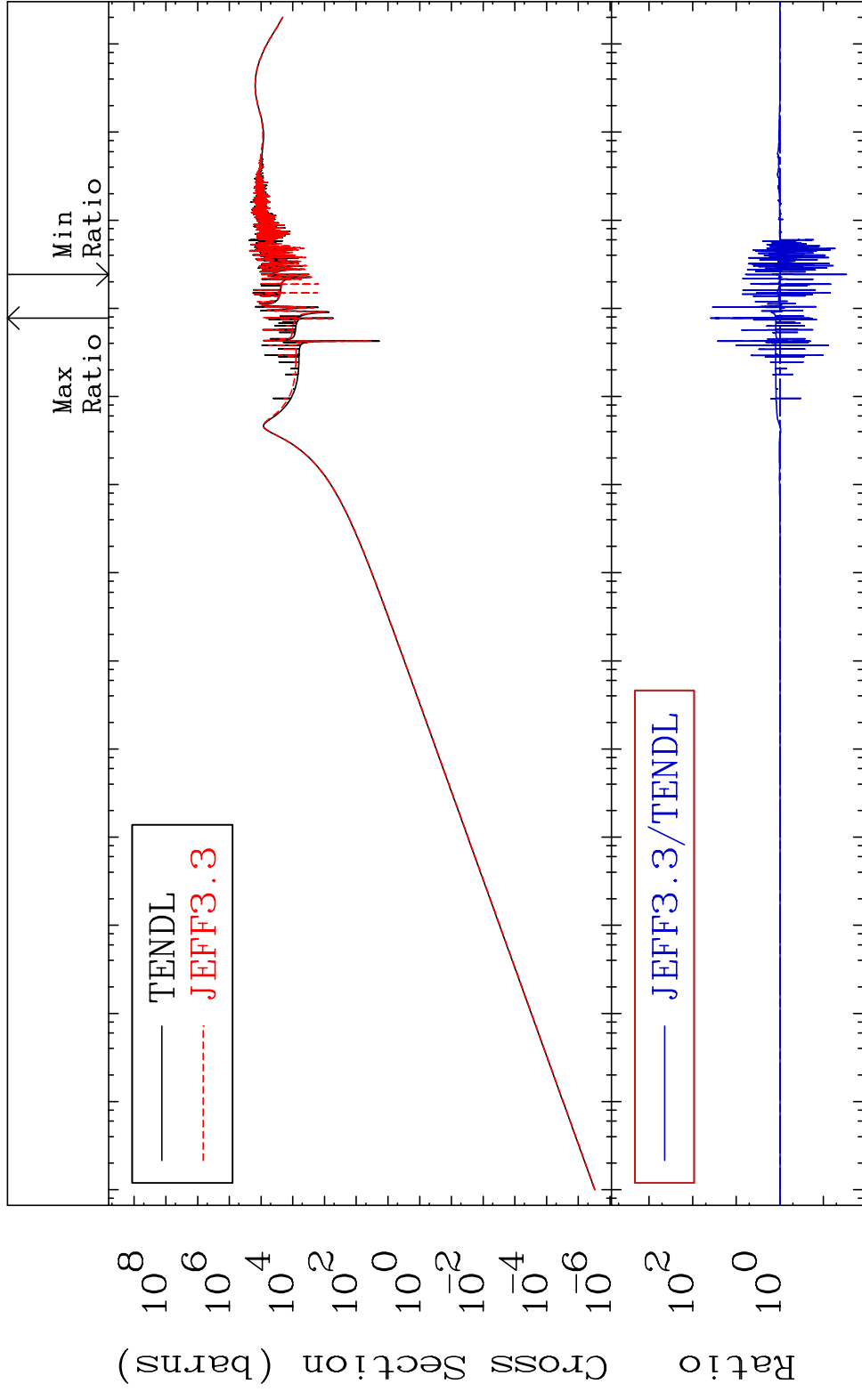
Incident Energy (eV)

28-Ni-62

MAT 2837

Kerma elastic
Cross Section

28-Ni-62
-97.03 To 3738. %

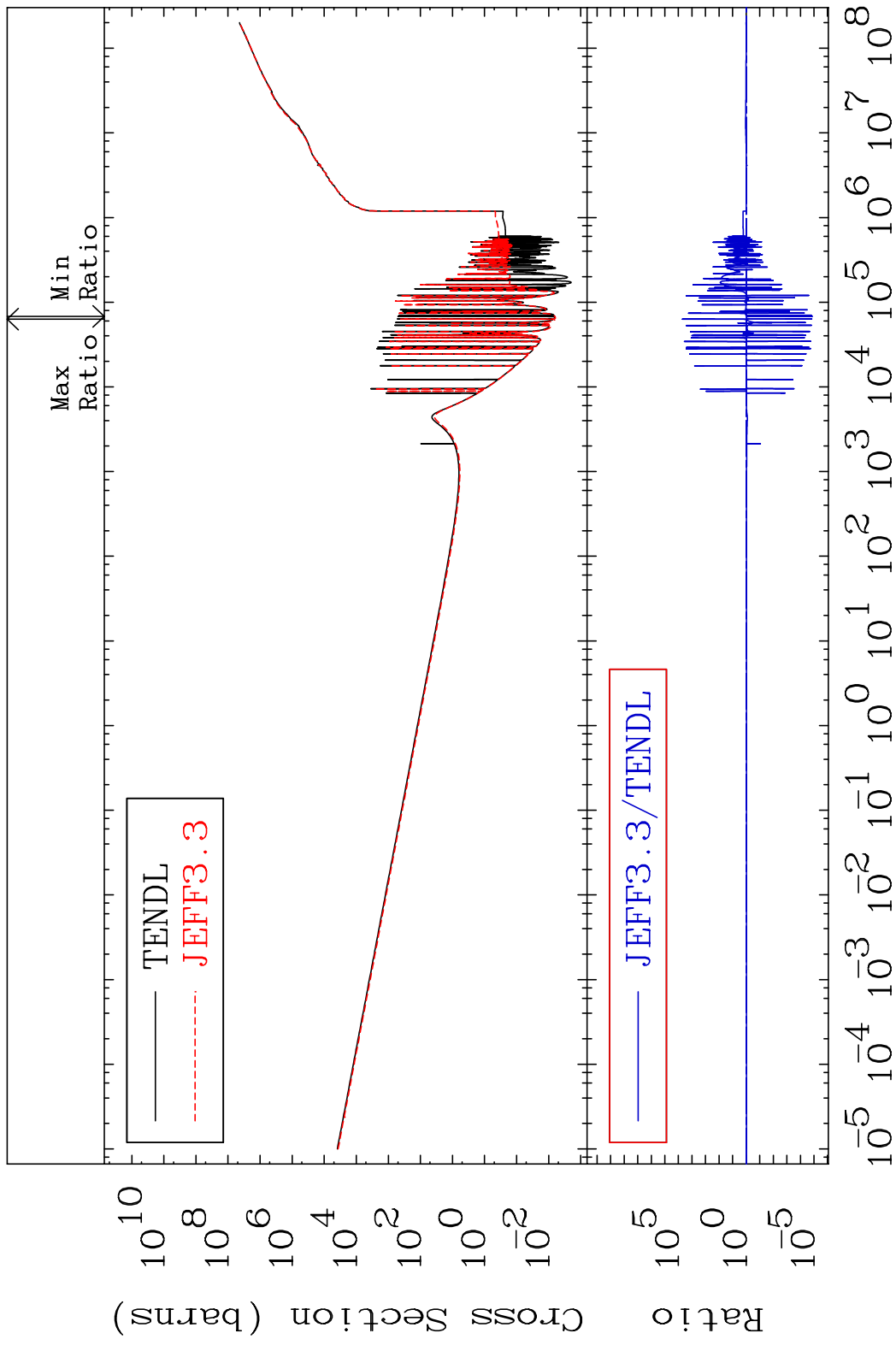


66

Incident Energy (eV)

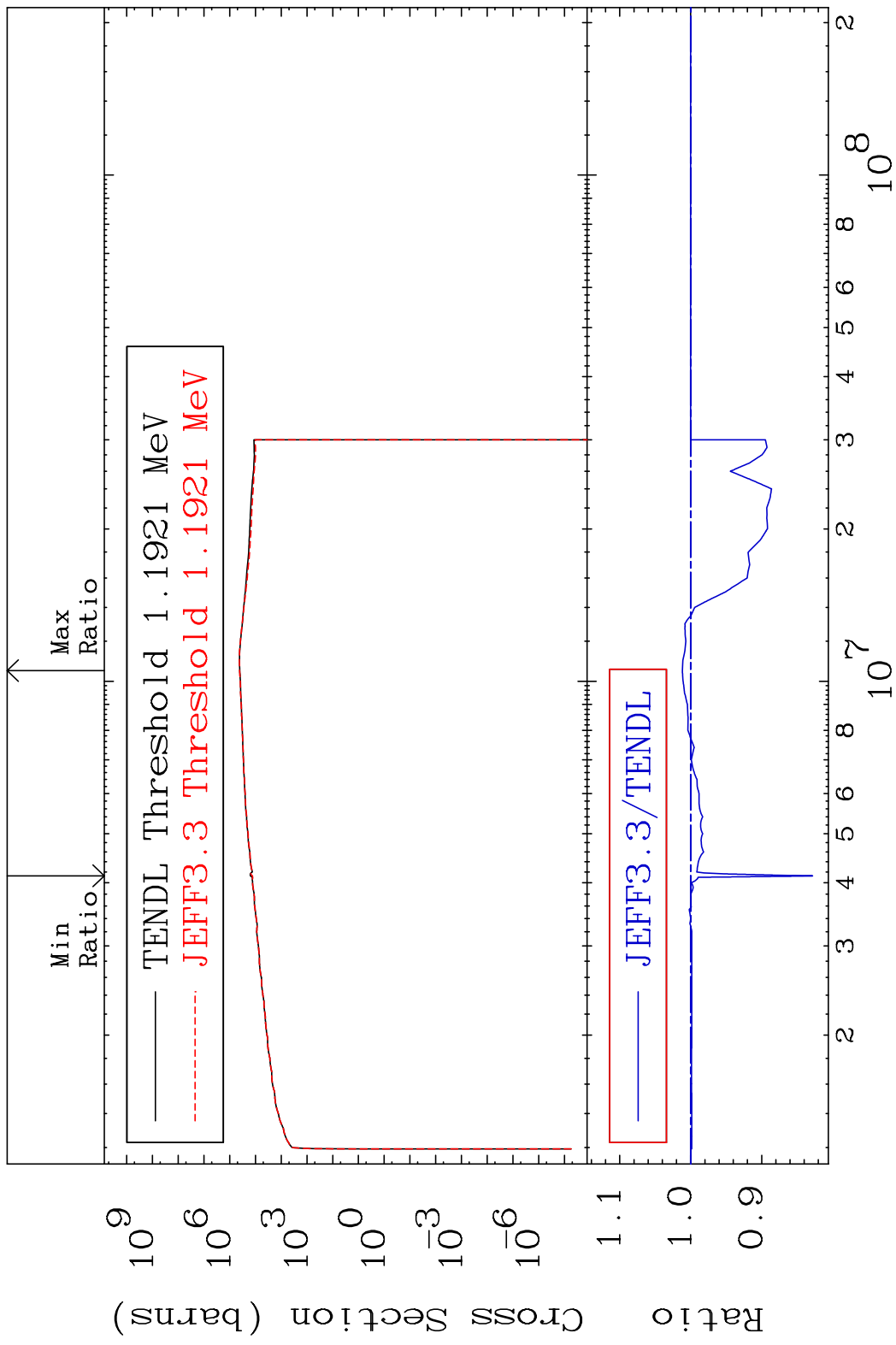
28-Ni-62

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

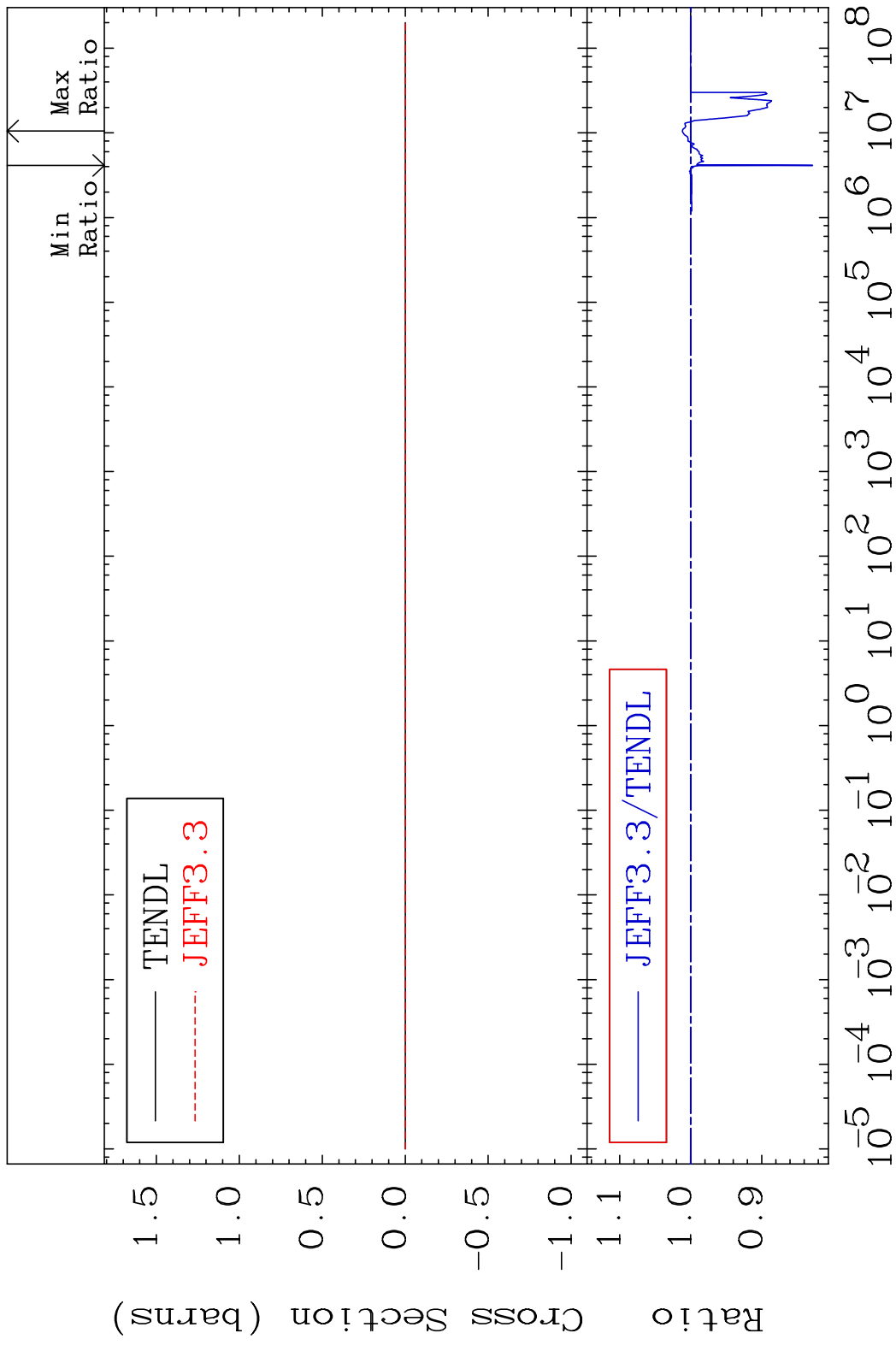


67 Incident Energy (eV) 28-Ni-62

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



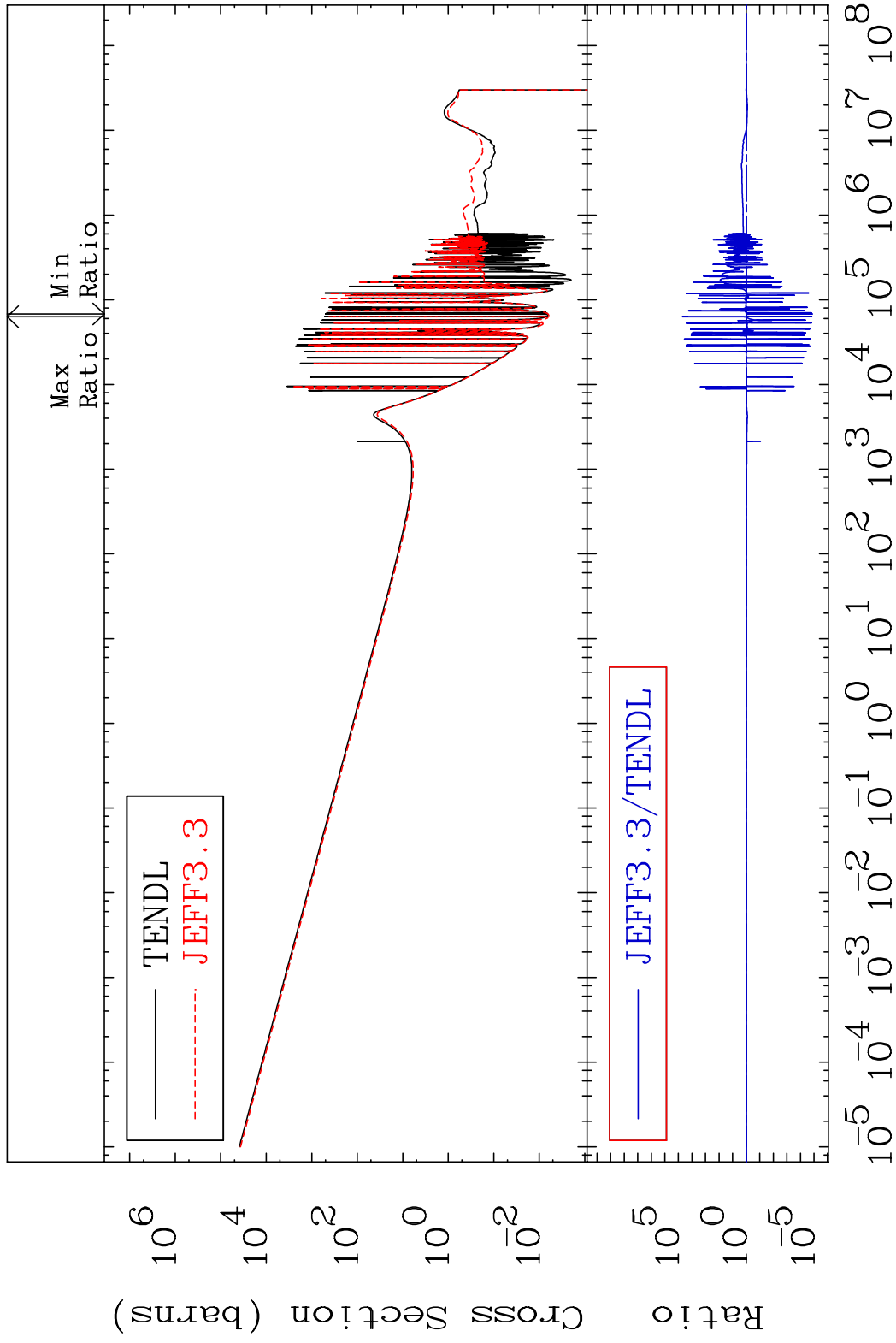
MAT 2837 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-62
 Cross Section -17.17 To 1.177 %



MAT 2837

Kerma capture (mt102) 28-Ni-62

Cross Section -100.0 To 9999. %

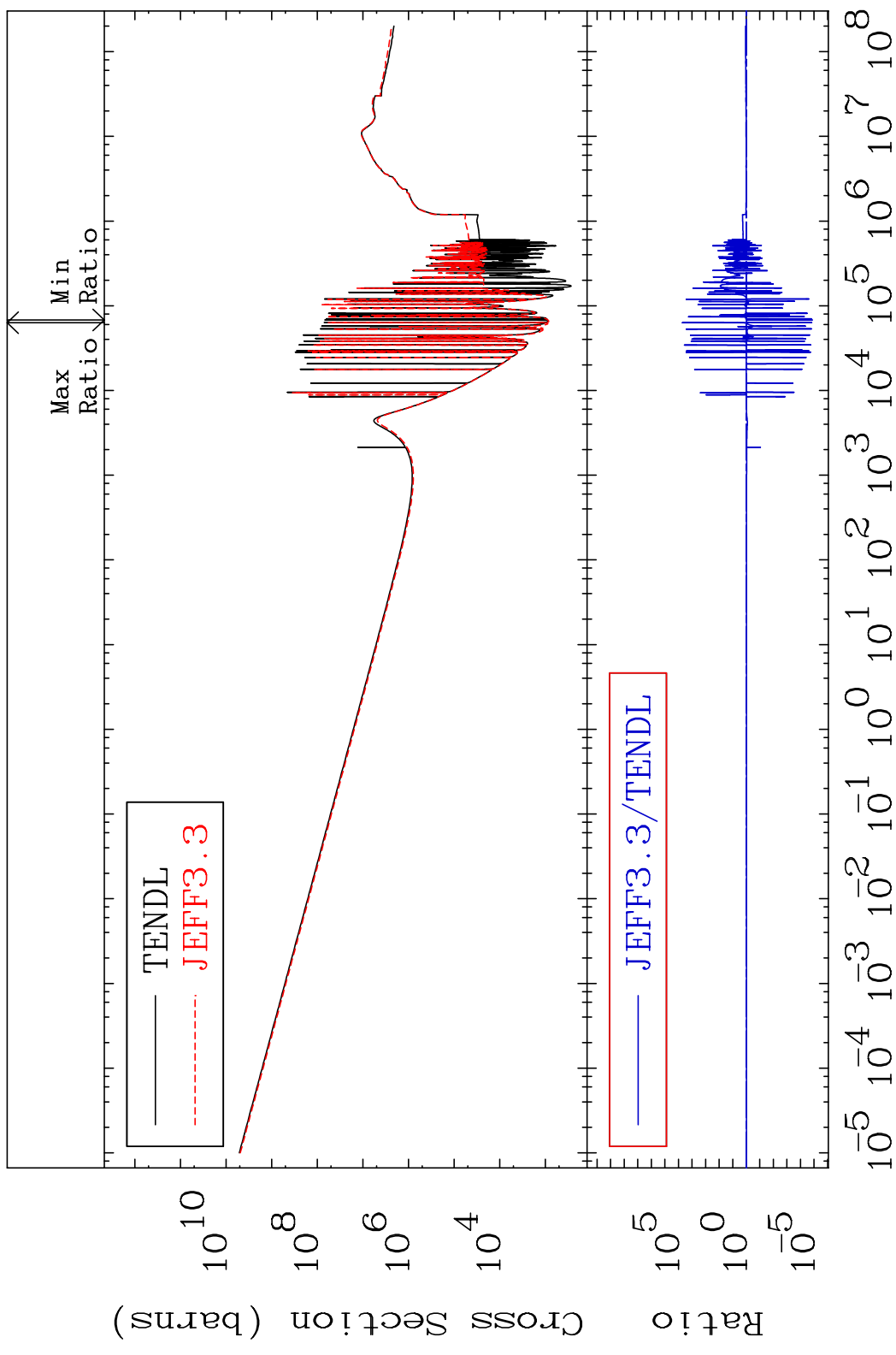


MAT 2837

Total photon (eV-barns)

28-Ni-62

Cross Section -100.0 To 9999. %

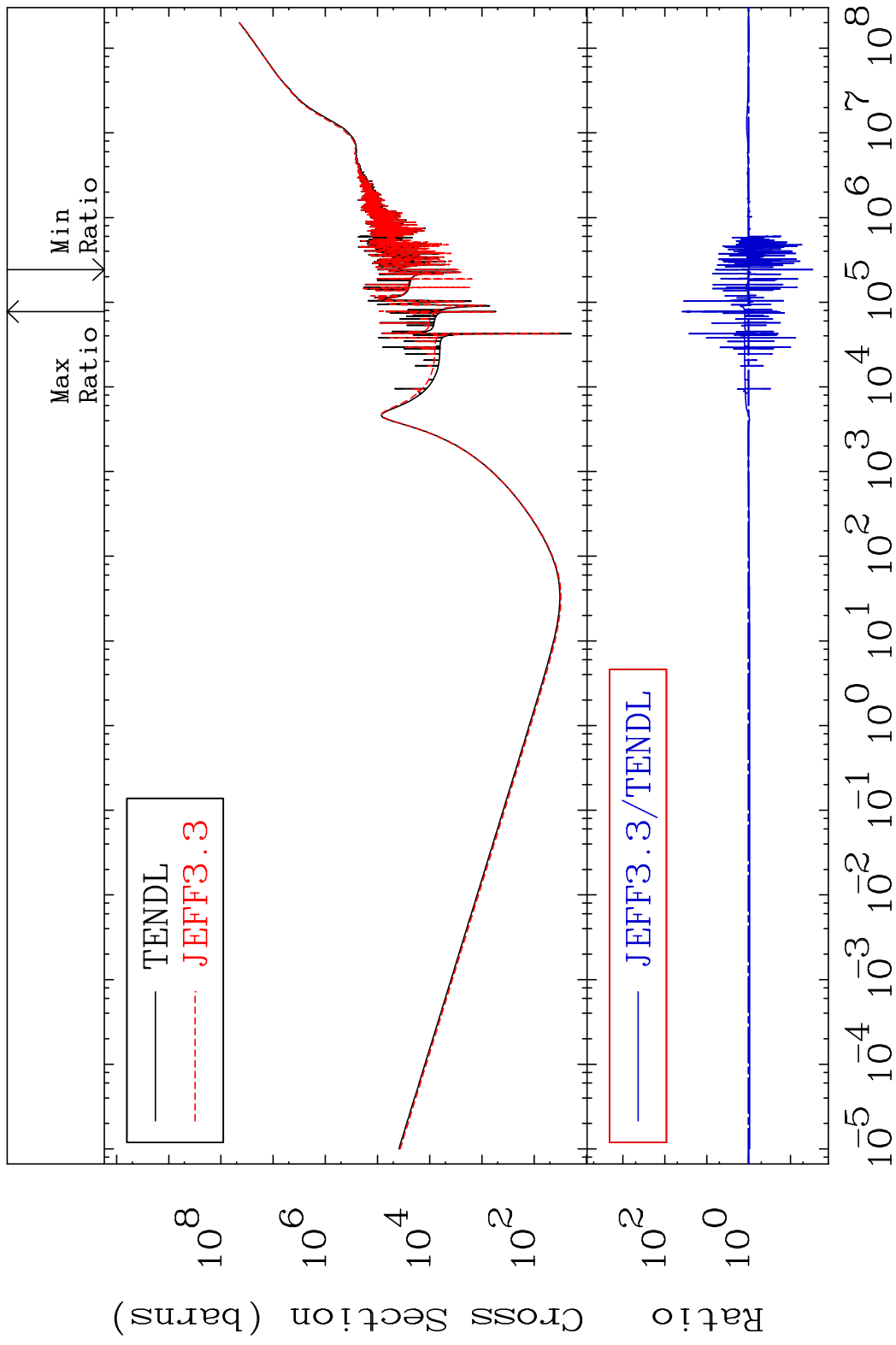


71

Incident Energy (eV)

28-Ni-62

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

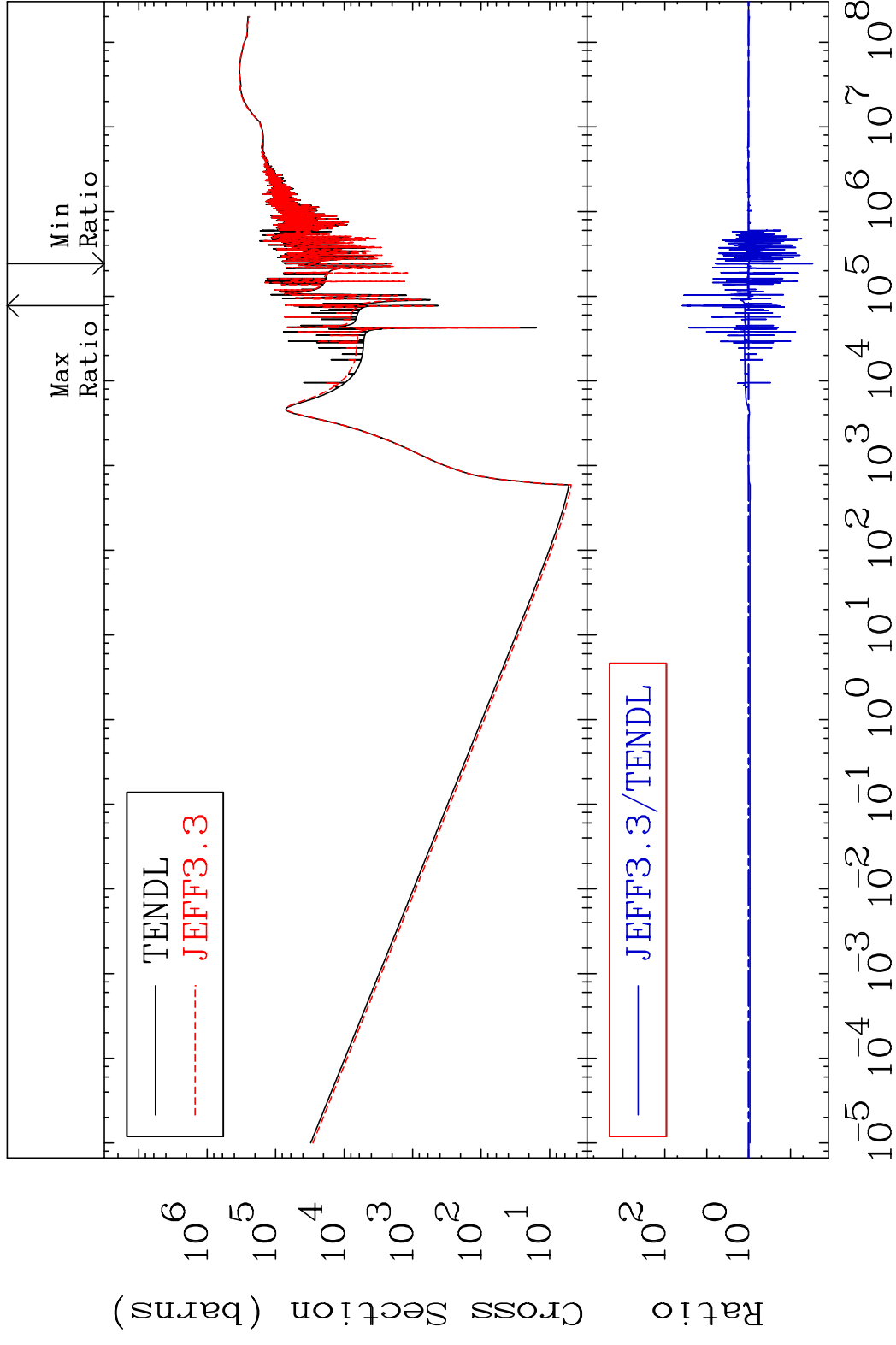


MAT 2837

Dpa total (eV-barns)

28-Ni-62

Cross Section -97.03 To 3720. %



73

Incident Energy (eV)

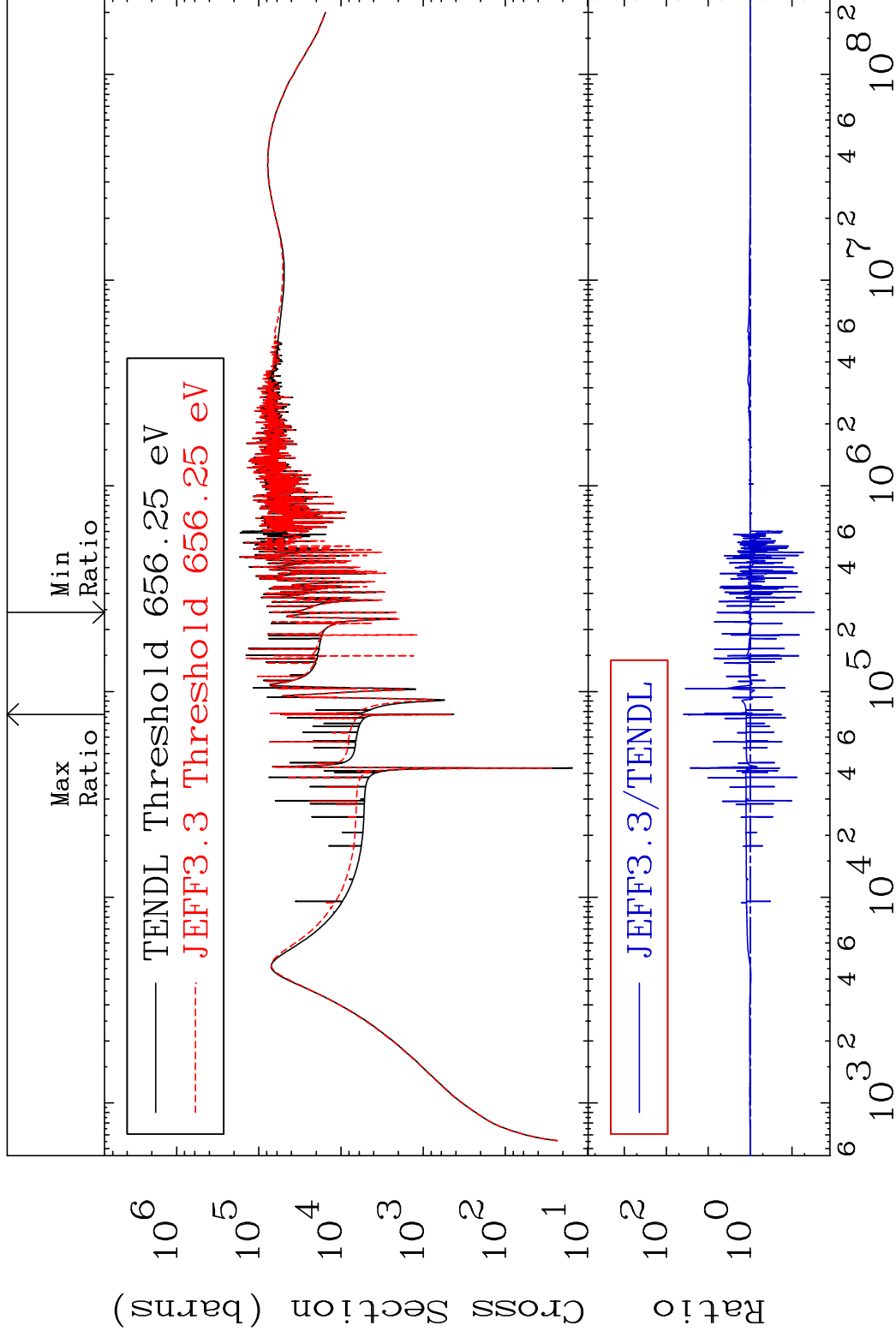
28-Ni-62

MAT 2837

Dpa elastic (mt2)

28-Ni-62

Cross Section -97.03 To 3738. %



74

Incident Energy (eV)

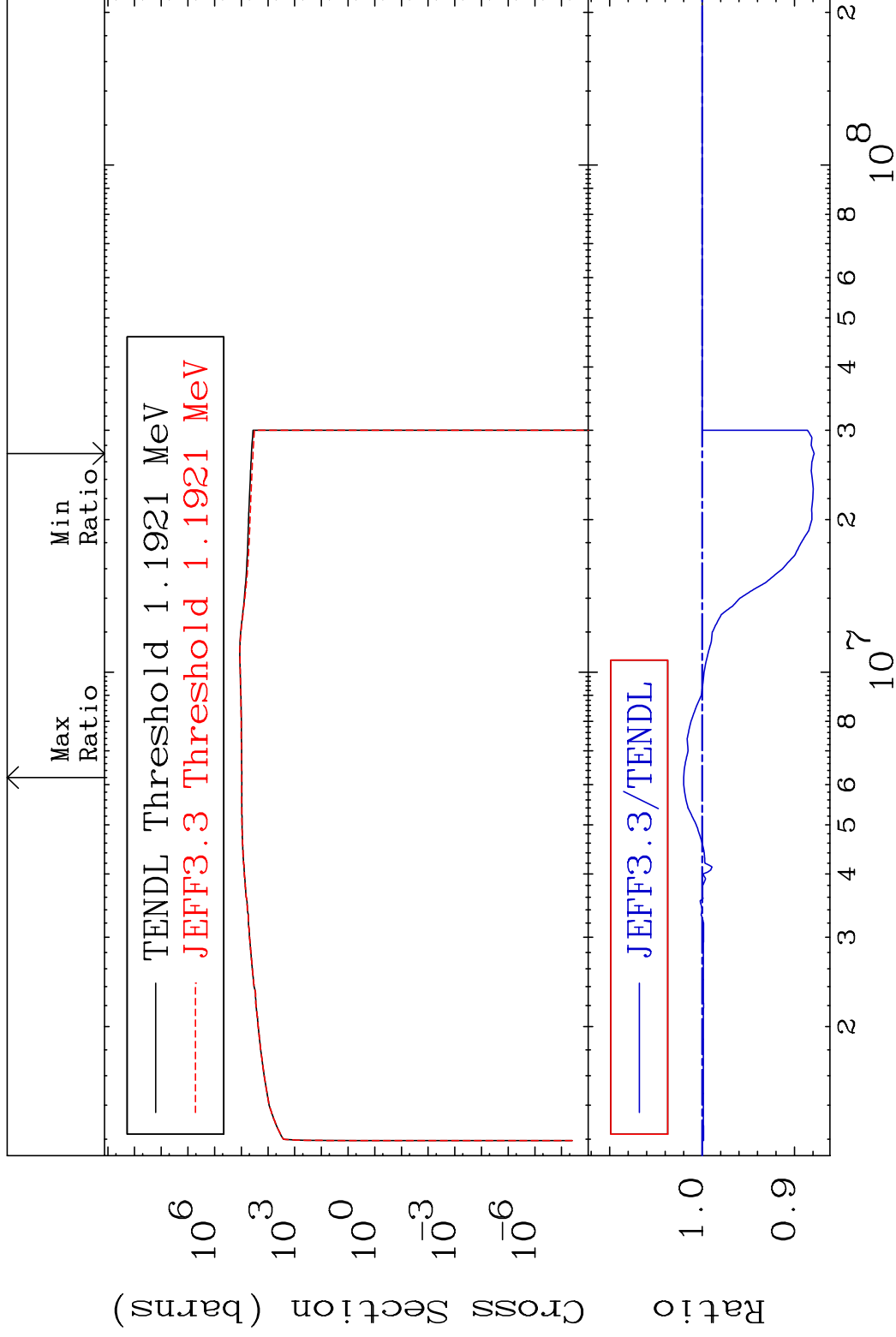
28-Ni-62

MAT 2837

Dpa inelastic (mt51-91)

²⁸Ni-62

Cross Section -12.11 To 1.997 %

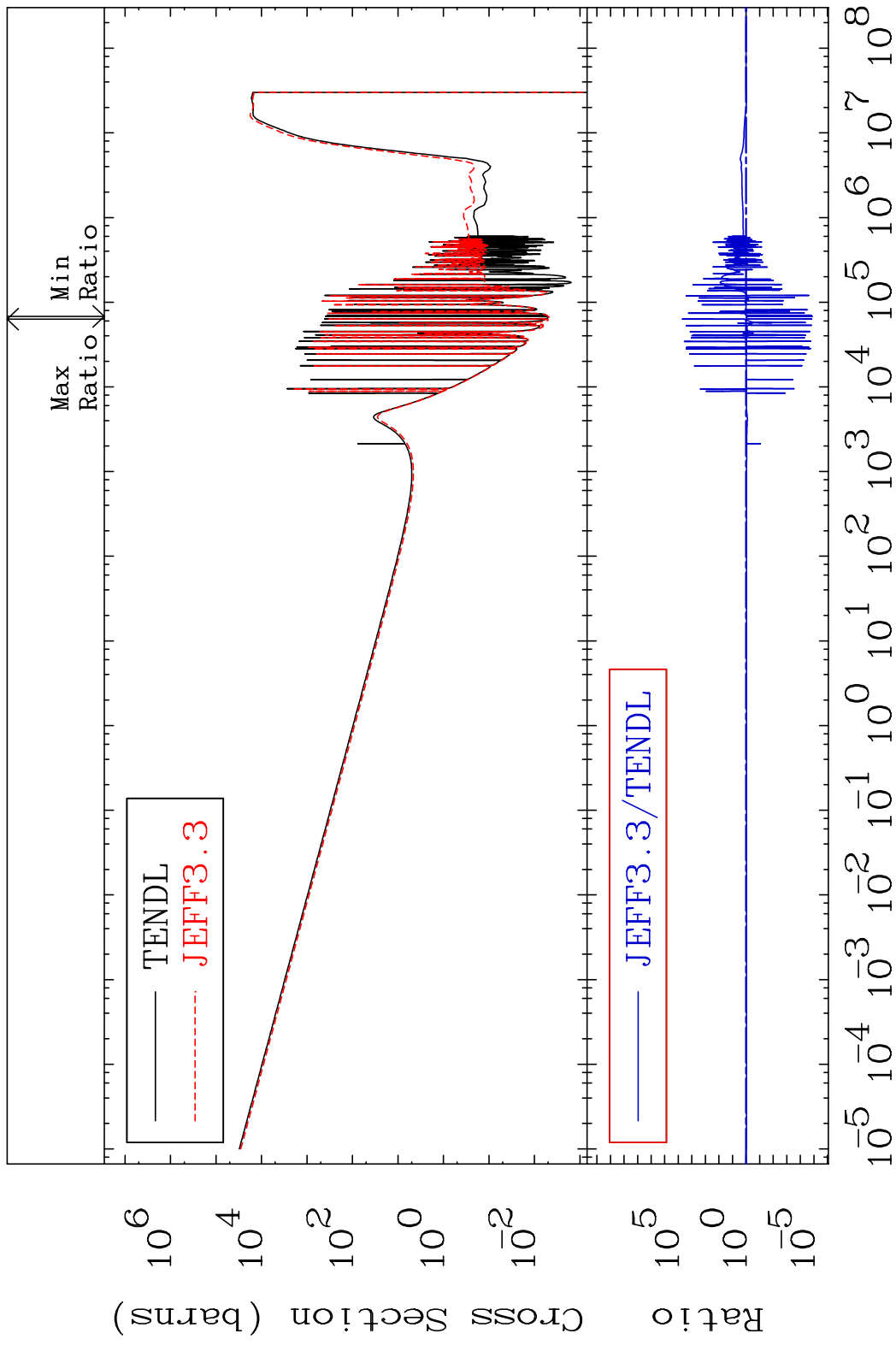


75

Incident Energy (eV)

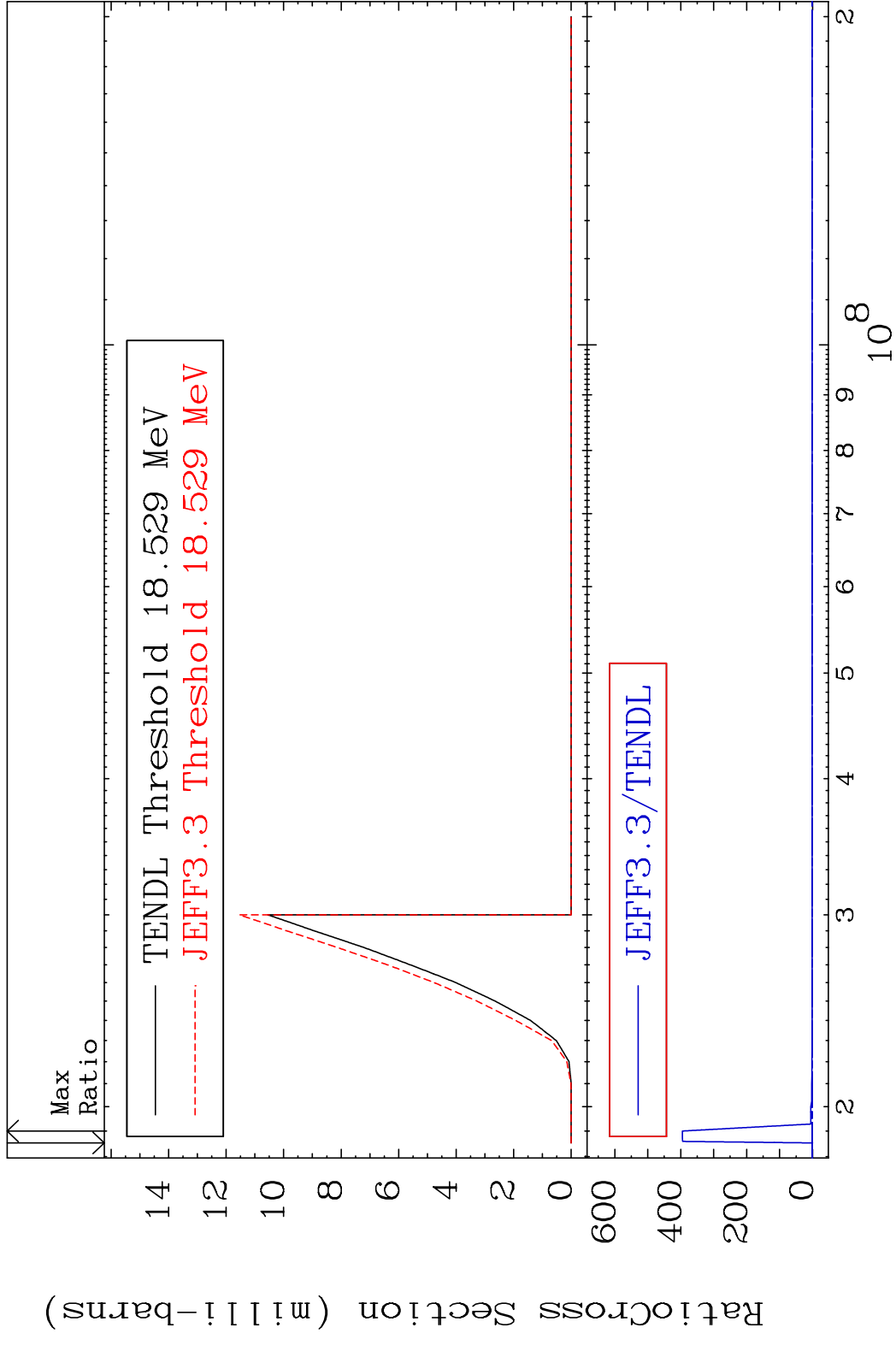
²⁸Ni-62

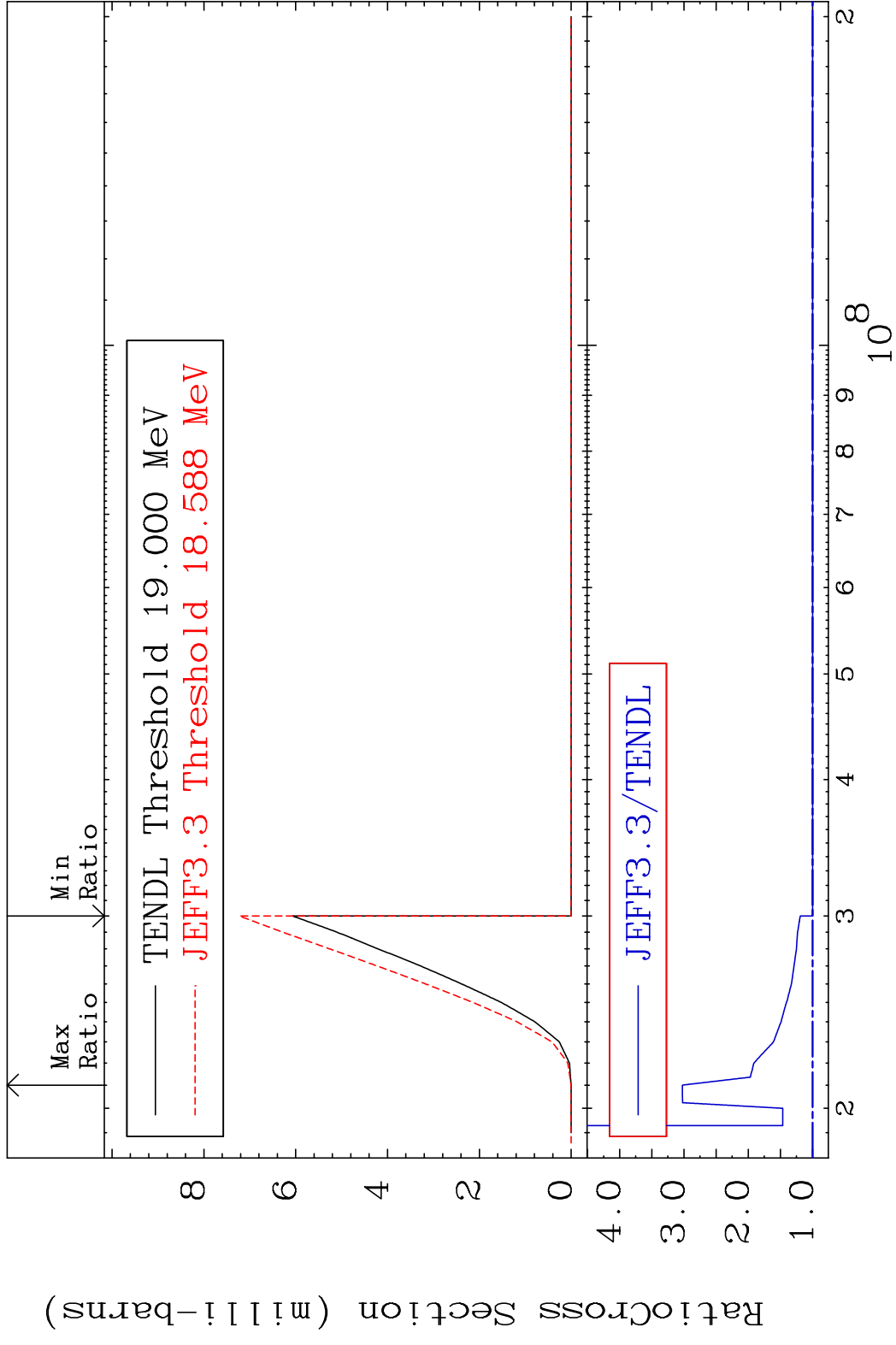
MAT 2837 Dpa disappearance (mt102 -120) 28-Ni-62
 Cross Section -100.0 To 9999. %



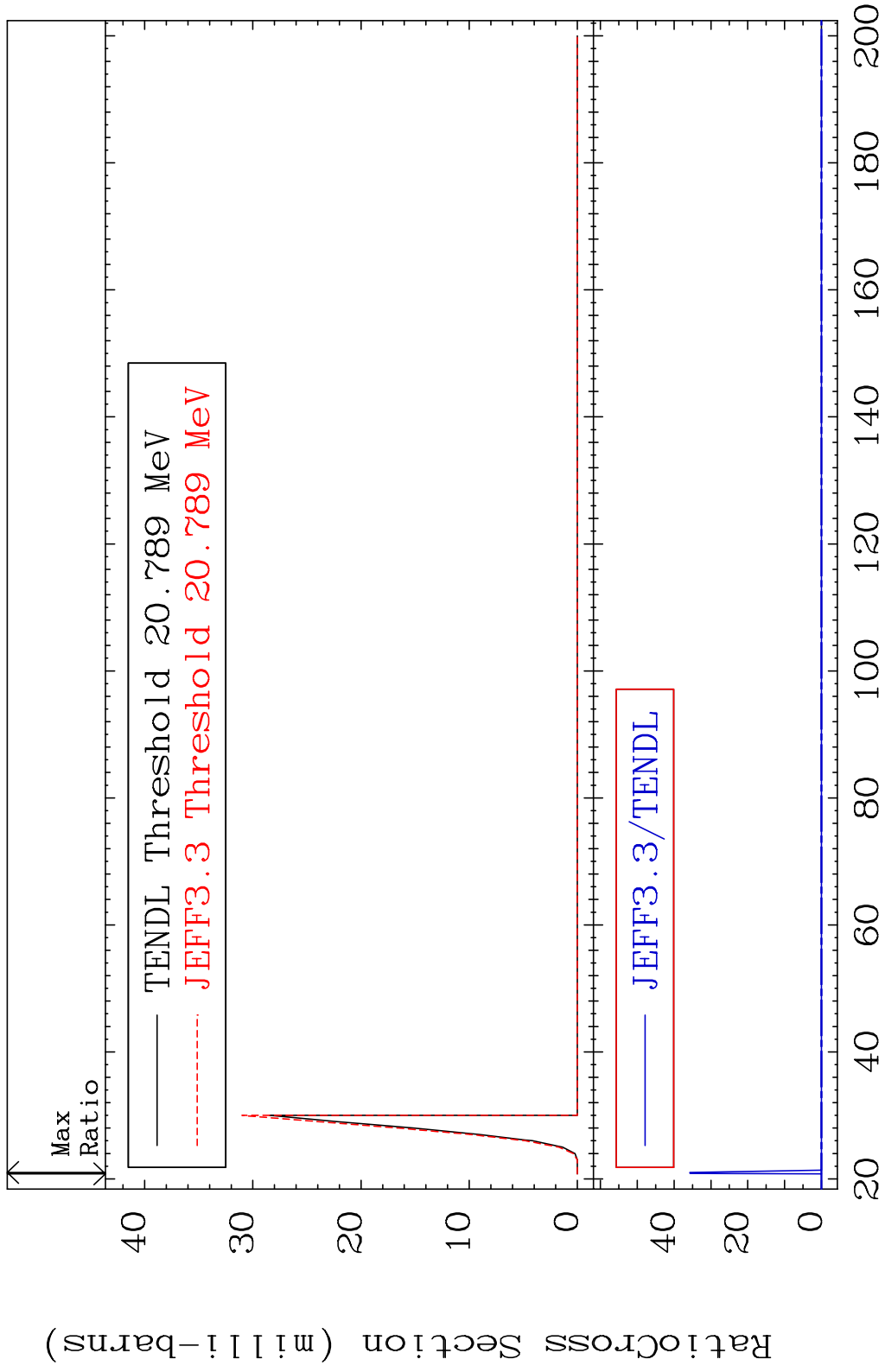
76 Incident Energy (eV) 28-Ni-62

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



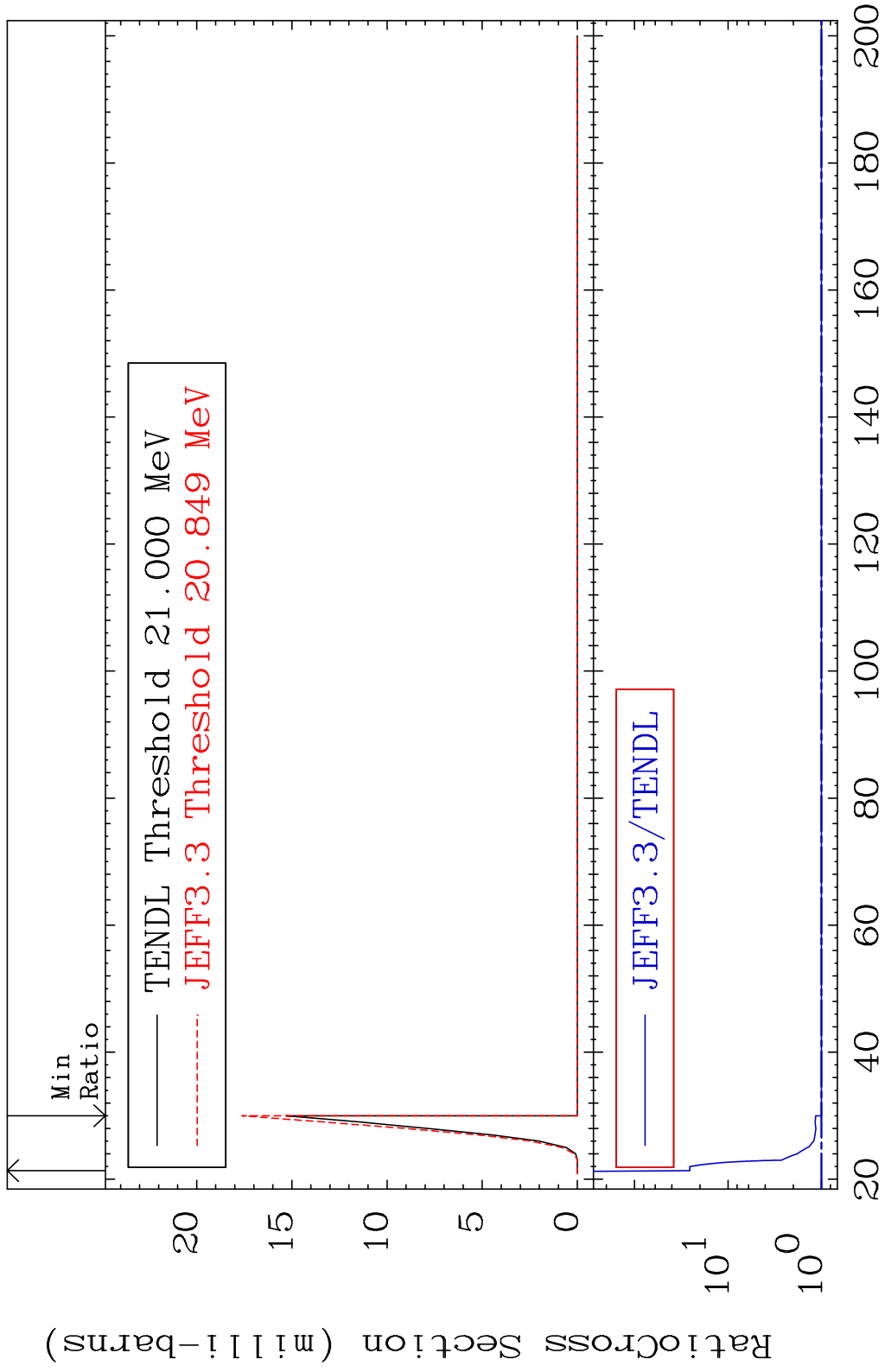


MAT 2837 (n,2n) p:27-Co-60g 28-Ni-62
 Radionuclide Production Cross Section 100.00 dth 9999. %



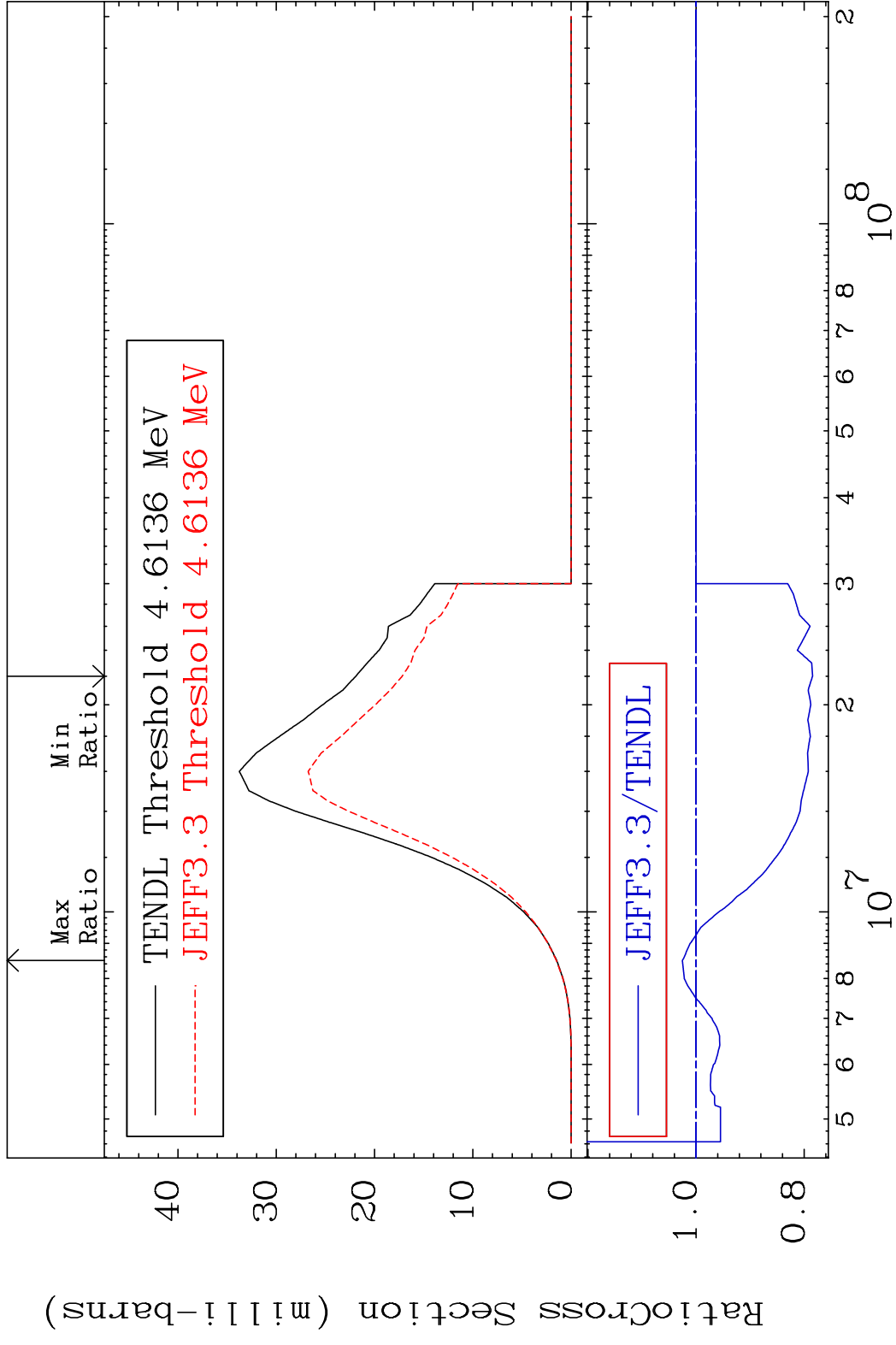
79 Incident Energy (MeV) 28-Ni-62

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

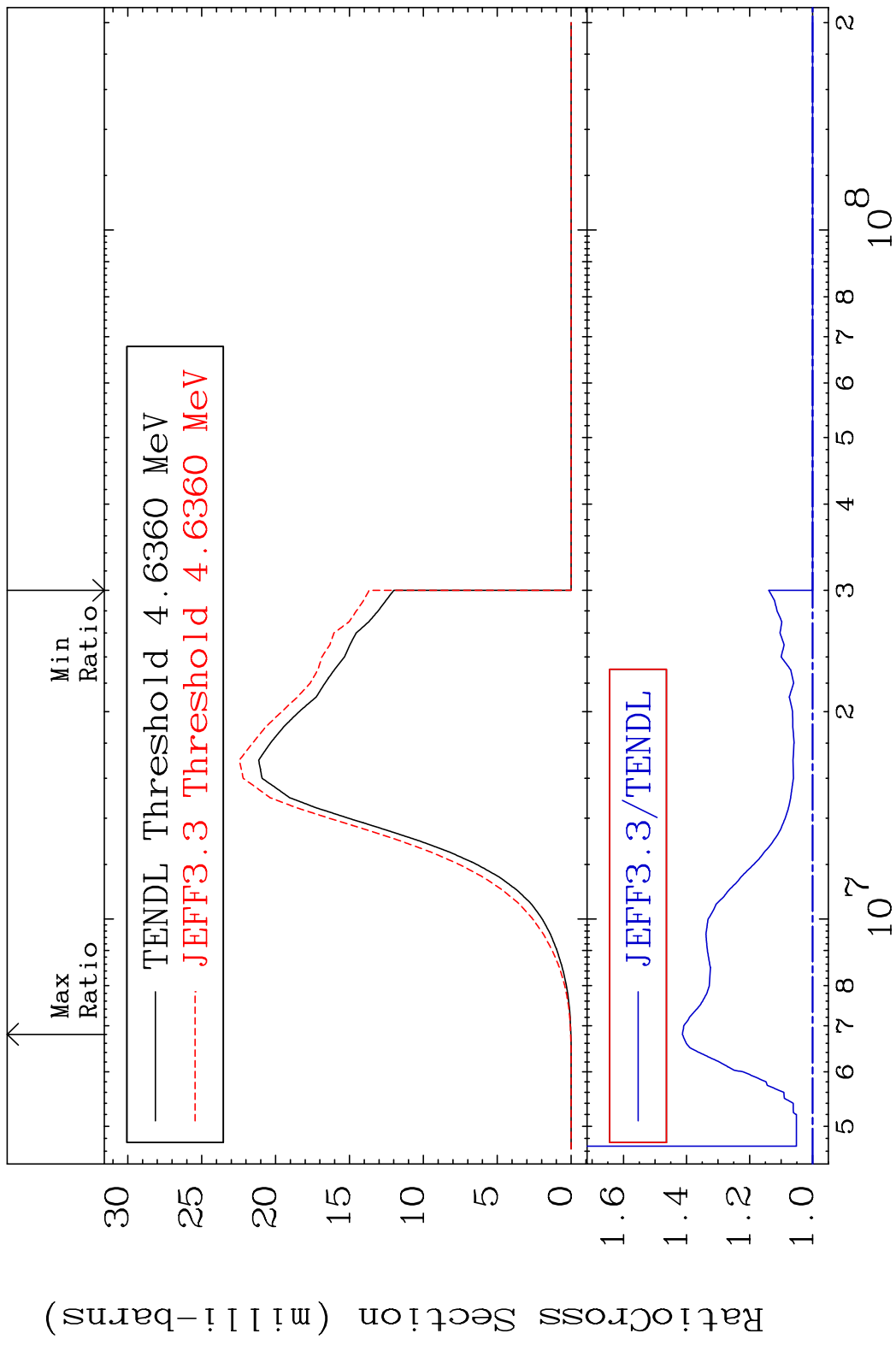


80 Incident Energy (MeV) 28-Ni-62

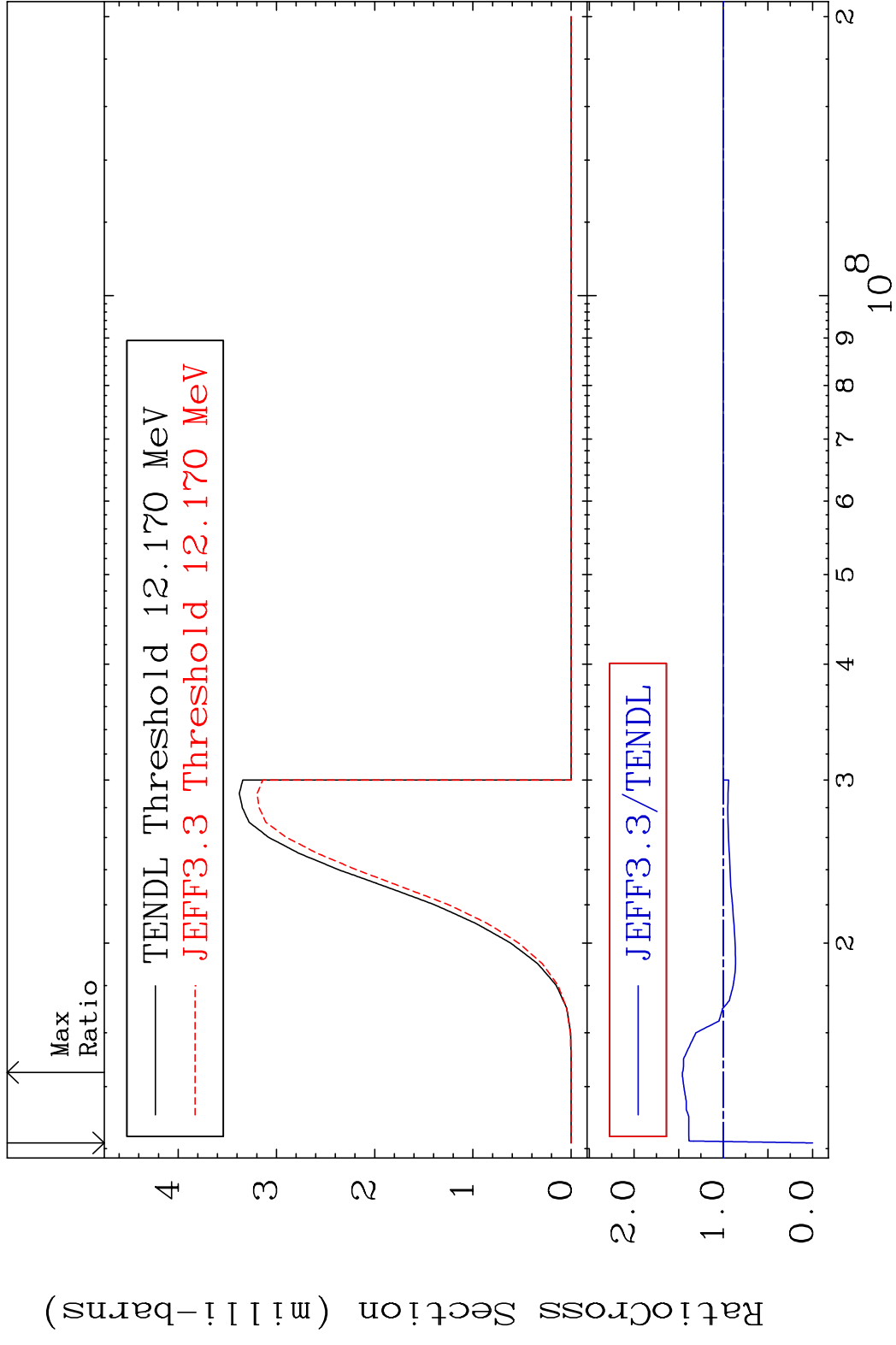
MAT 2837 (n,p):27-Co-62g 28-Ni-62
 Radionuclide Production Cross Section 2.533 %



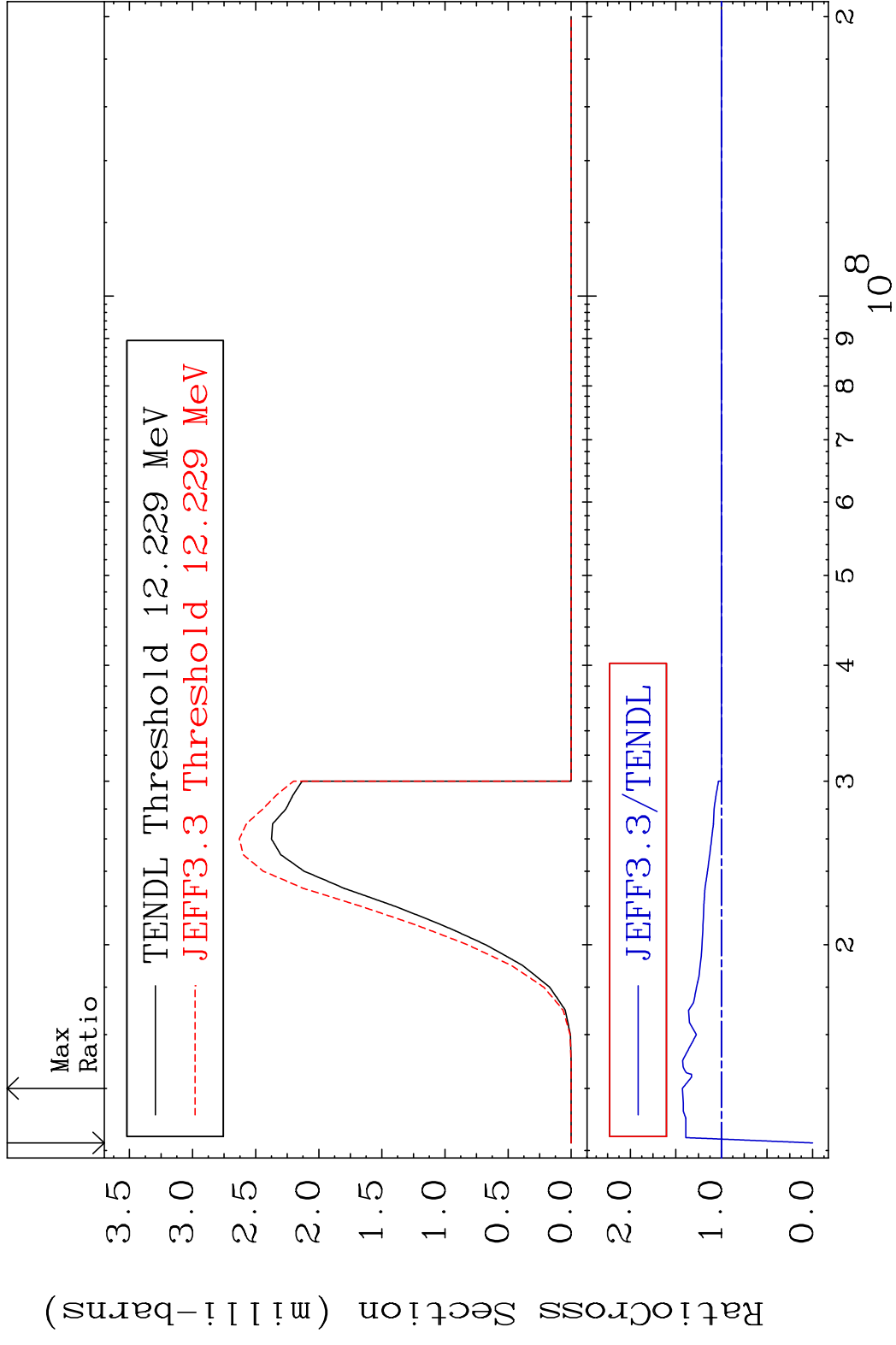
MAT 2837 (n,p):27-Co-62m1 28-Ni-62
 Radionuclide Production Cross Section 41.33 %



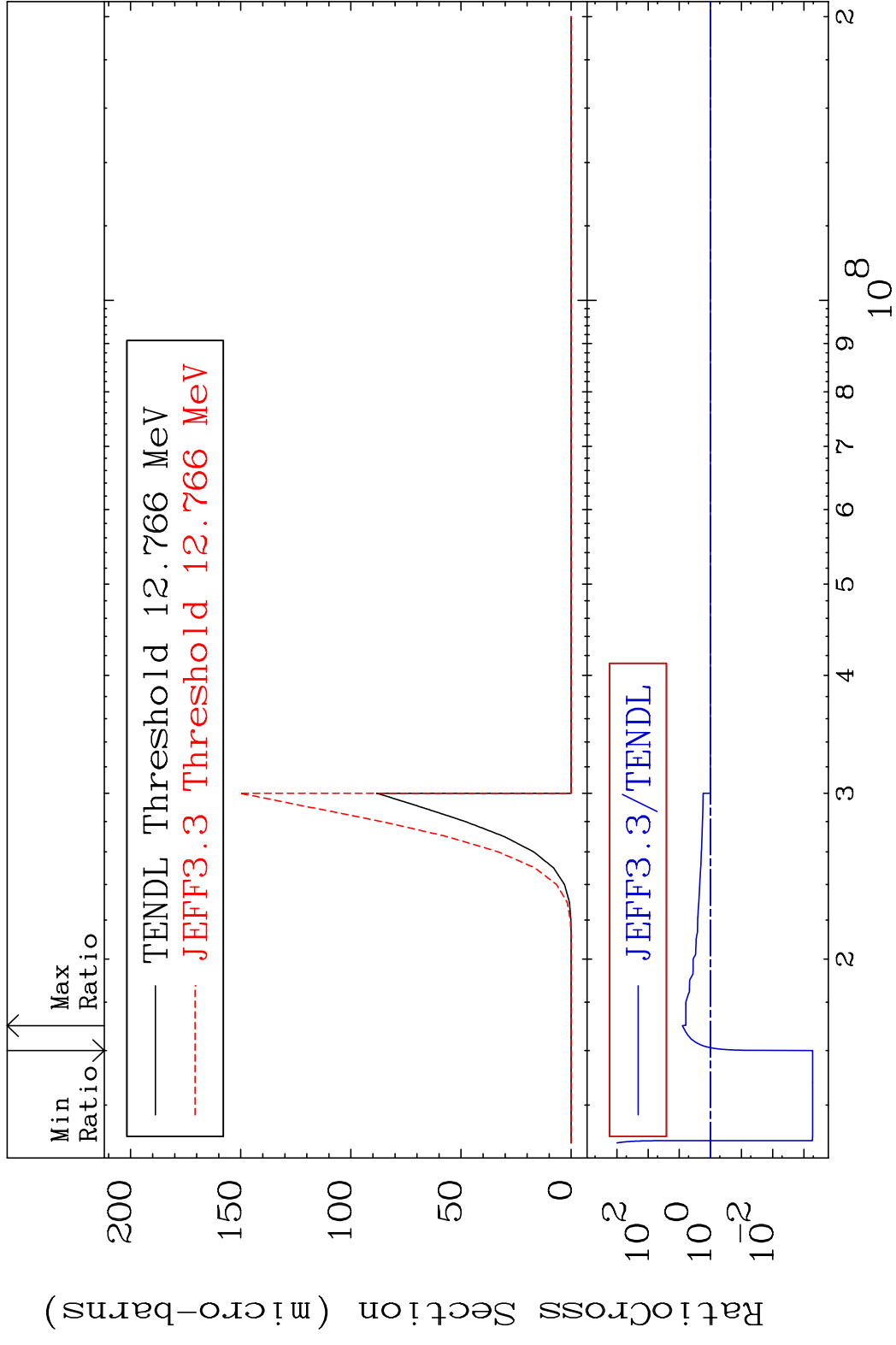
MAT 2837 (n, t): 27-Co-60g 28-Ni-62
 Radionuclide Production Cross Section 180.01 dpo 45.85 %



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 1800.0 dno 655.0 %

