

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

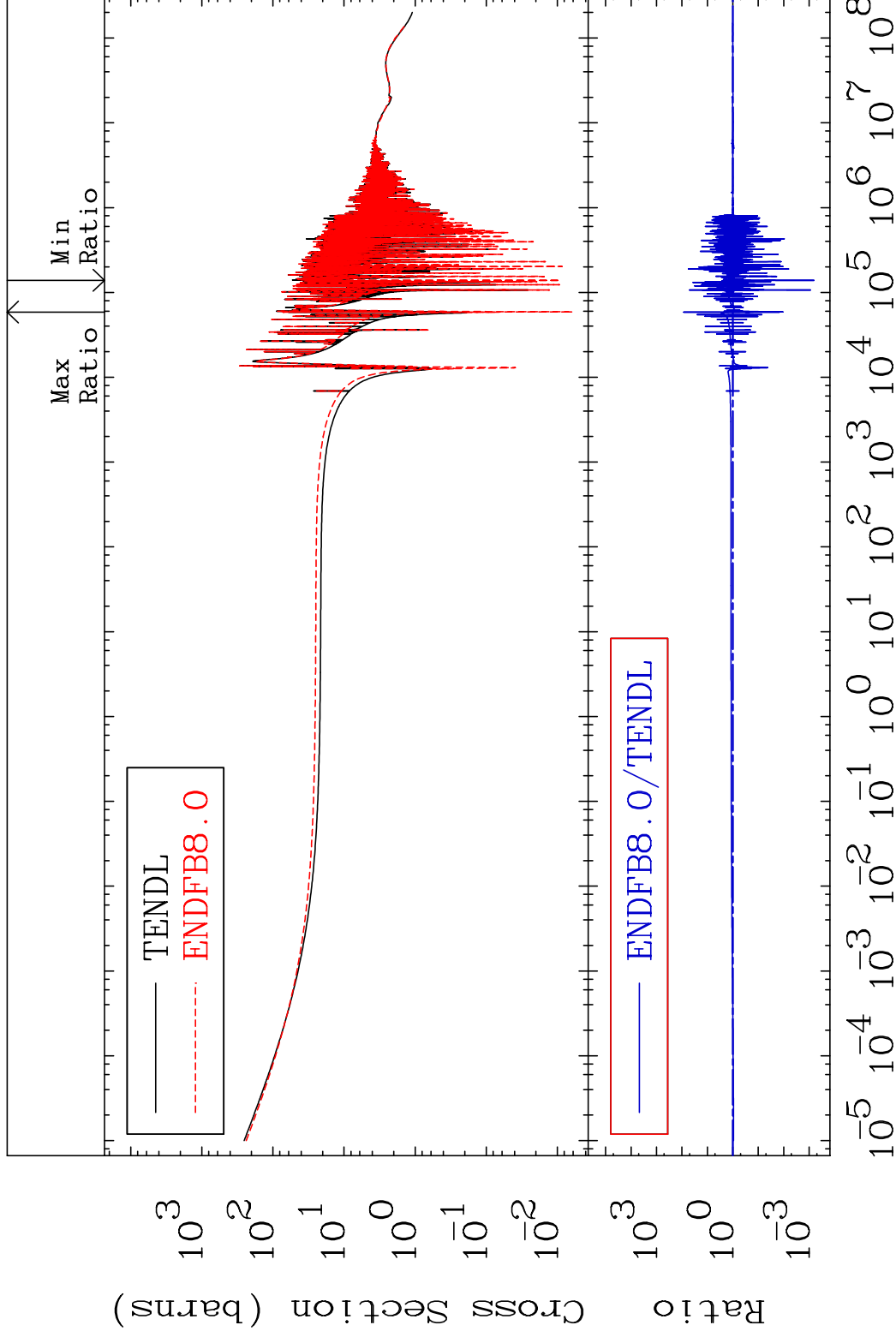
MAT 2825

Total

28-Ni-58

Cross Section

-99.94 To 8458. %

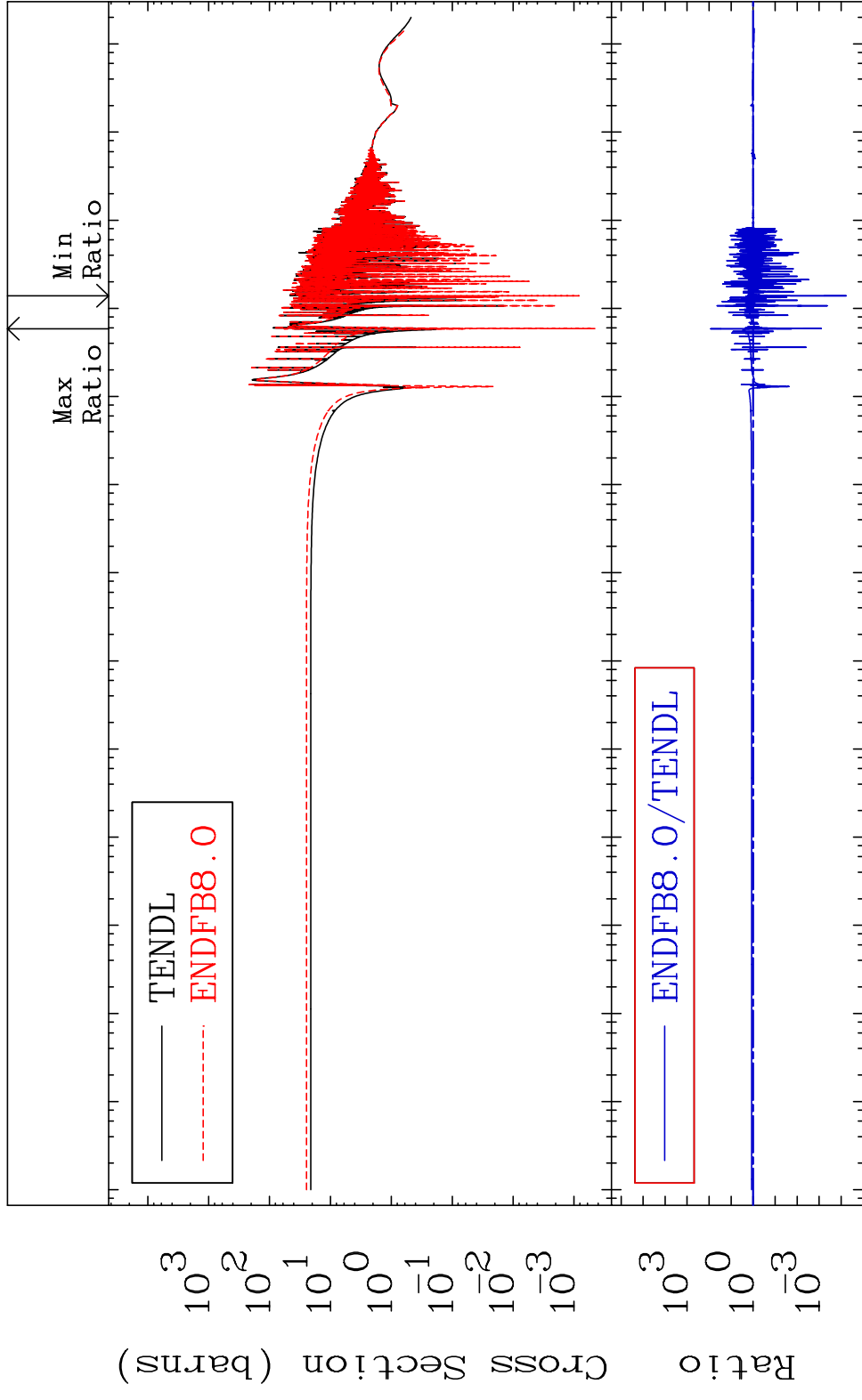


1

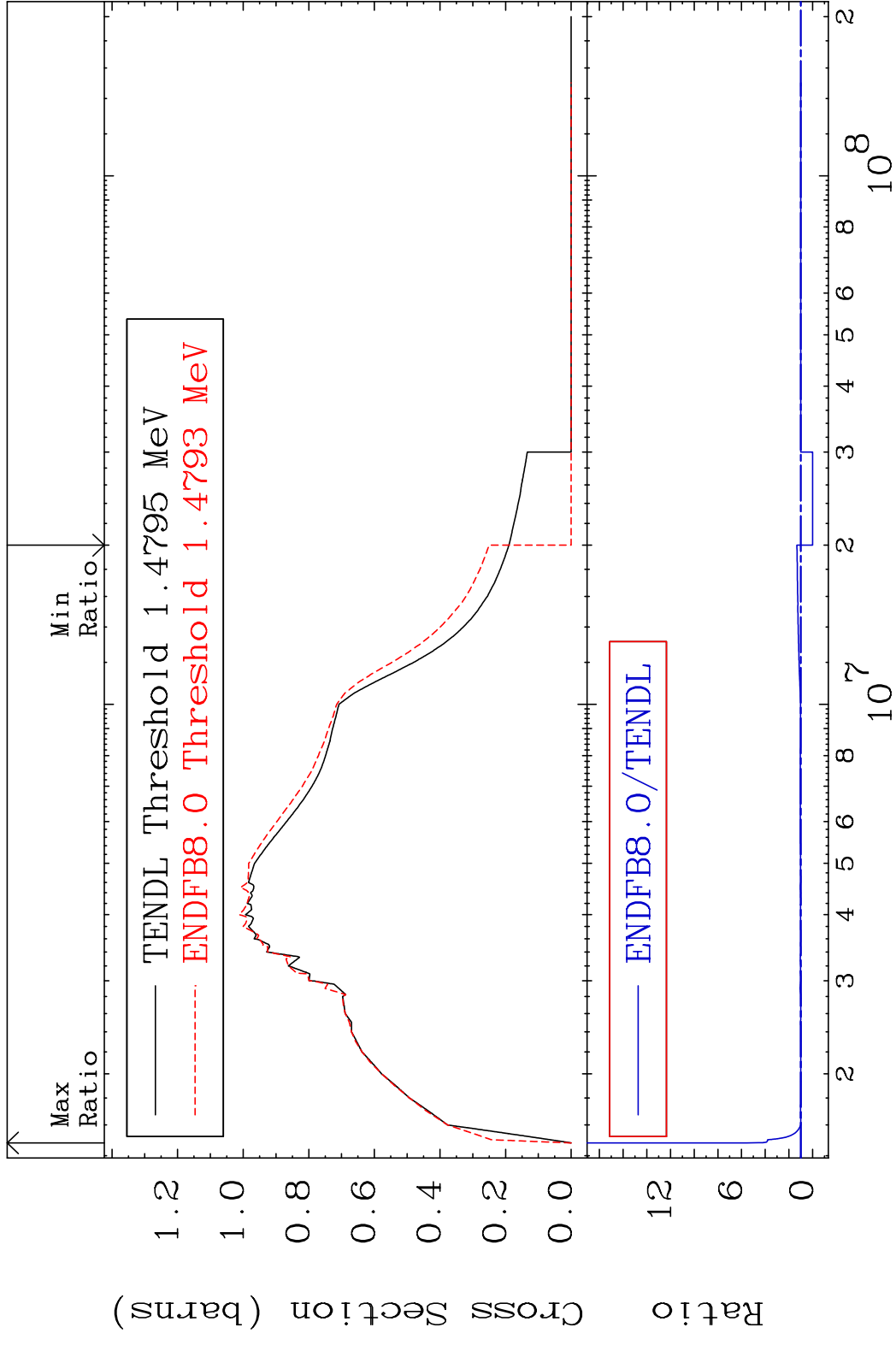
Incident Energy (eV)

28-Ni-58

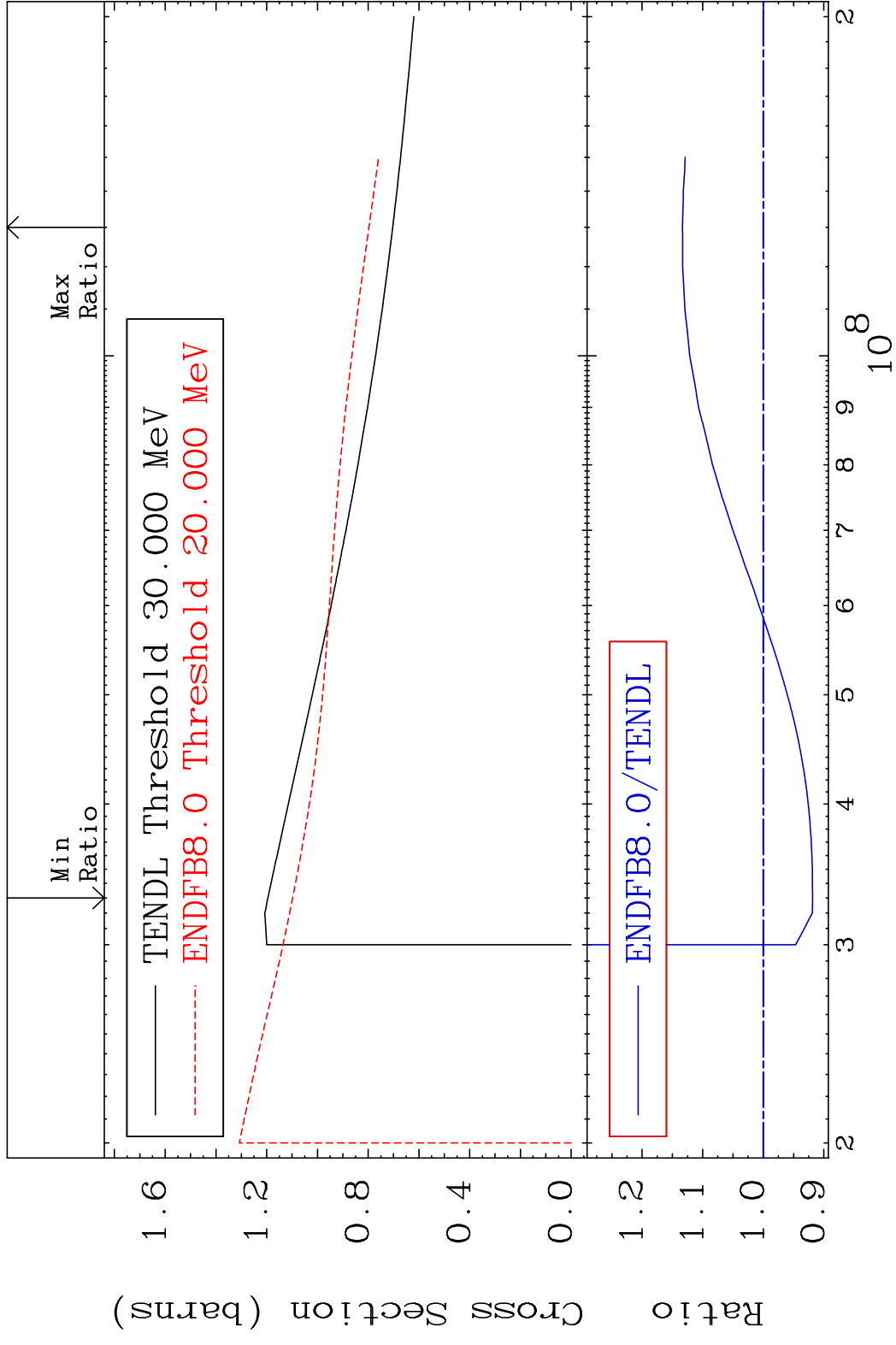
MAT 2825 Elastic 28-Ni-58
 Cross Section -99.99 To 8359. %



MAT 2825 Inelastic 28-Ni-58
 Cross Section -100.0 To 1000.0%

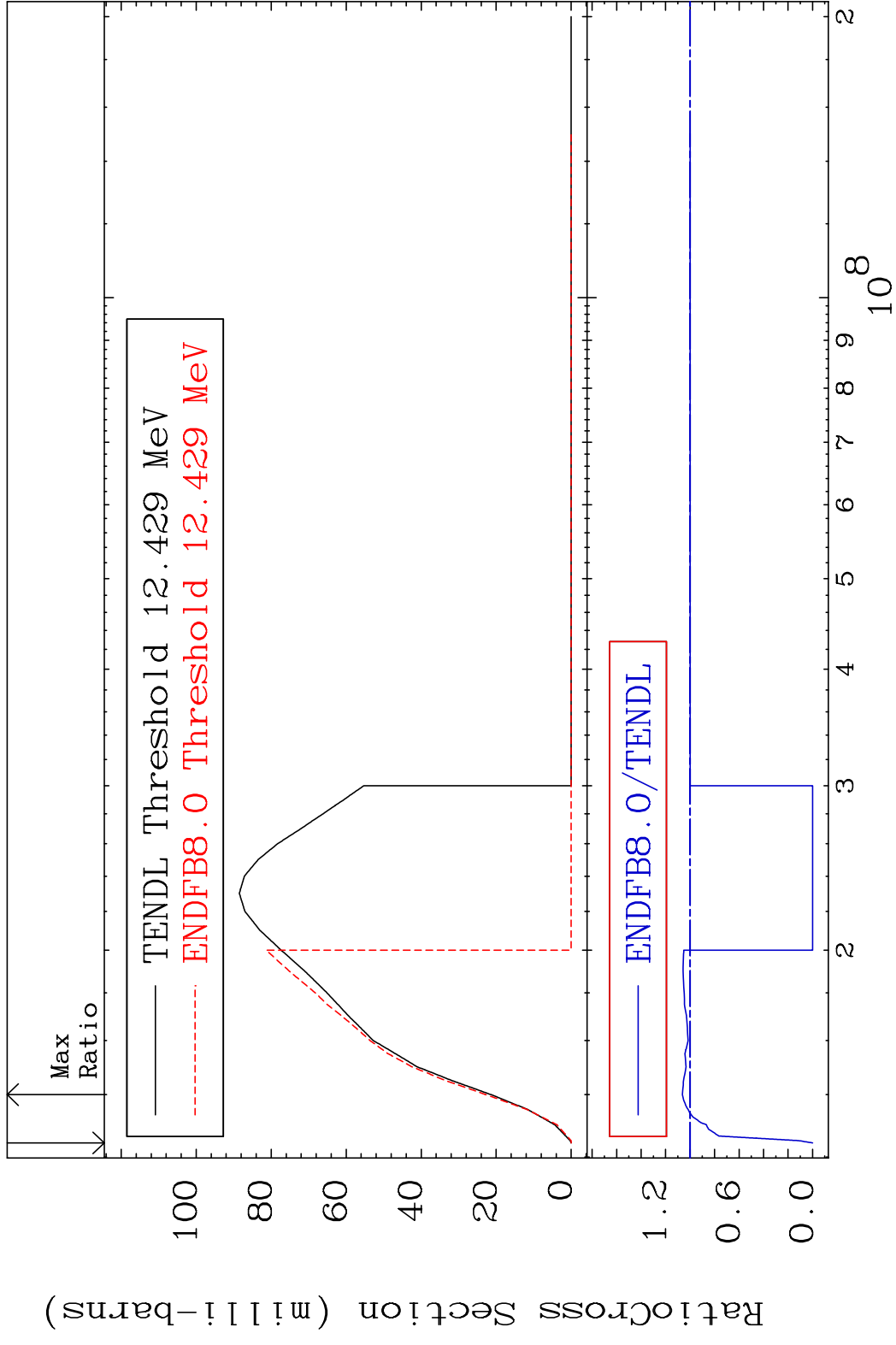


MAT 2825 (n, remainder) 28-Ni-58
 Cross Section -8.131 To 13.36 %

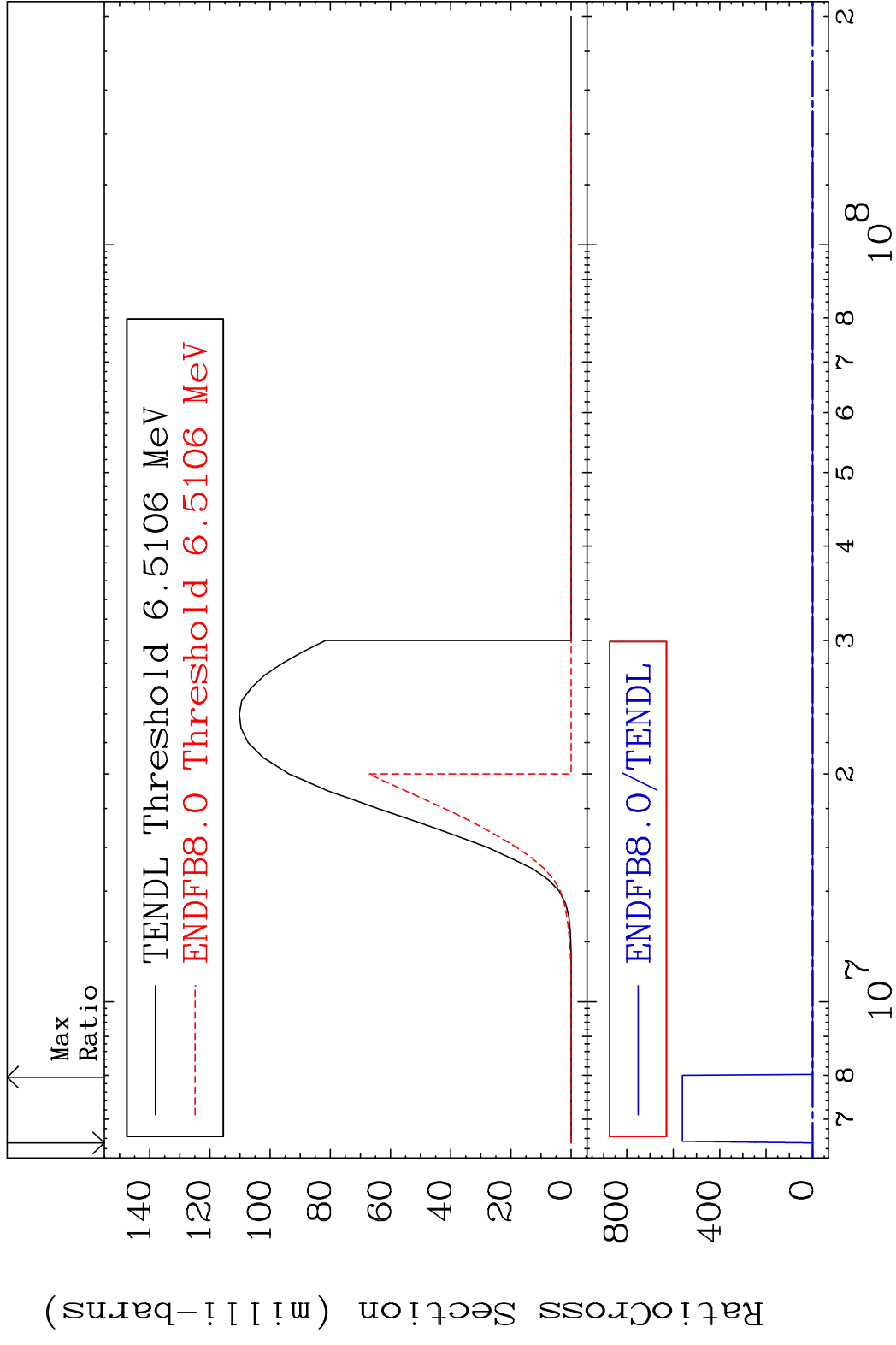


4 Incident Energy (eV) 28-Ni-58

MAT 2825 (n,2n) 28-Ni-58
 Cross Section -100.0 To 6.314 %

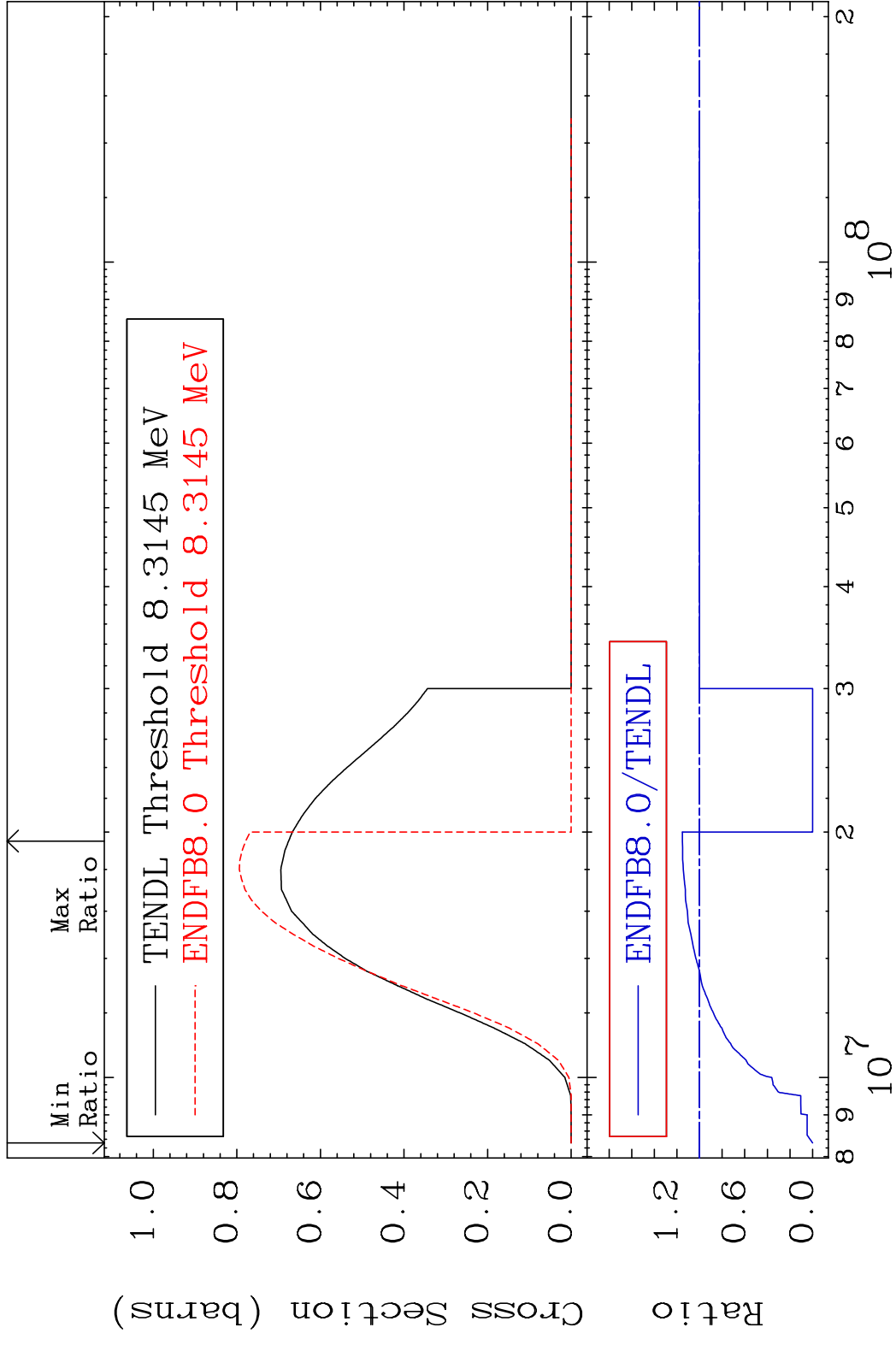


MAT 2825 (n, n') α 28-Ni-58
 Cross Section -100.0 To 9999. %



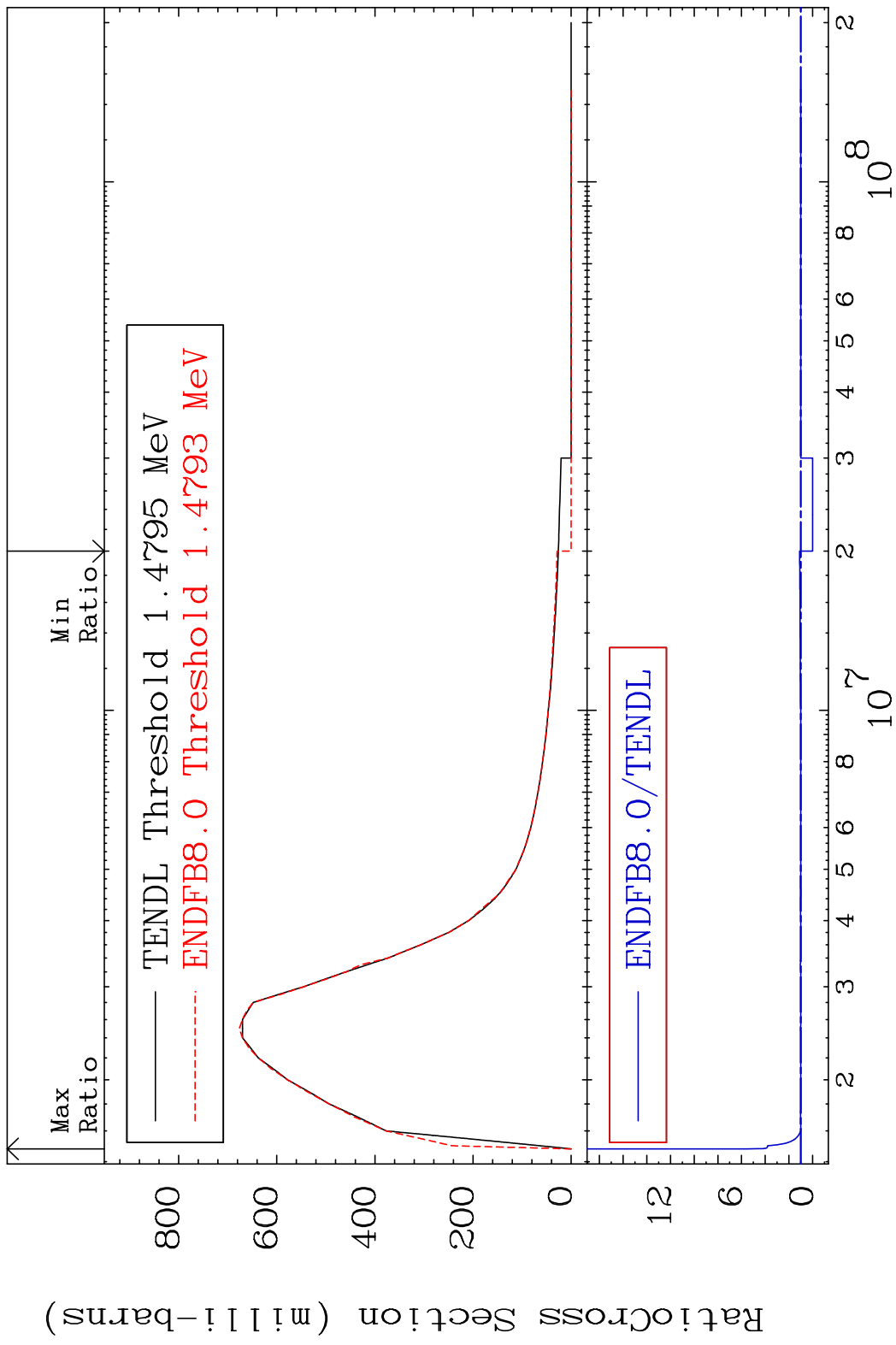
6 Incident Energy (eV) 28-Ni-58

MAT 2825 (n, n') p 28-Ni-58
 Cross Section -100.0 To 15.18 %



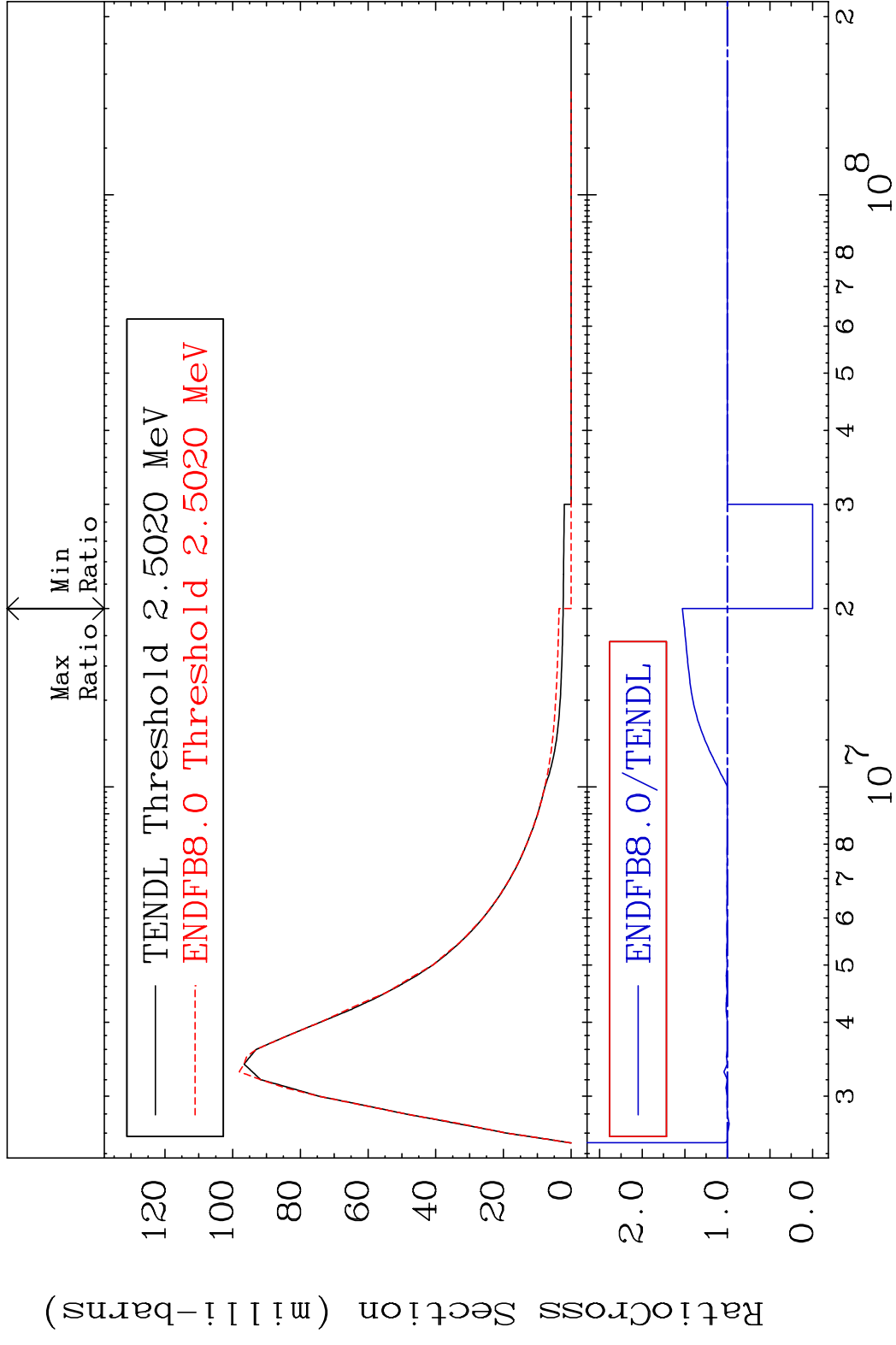
7 Incident Energy (eV) 28-Ni-58

MAT 2825 MT= 51 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 1000.0%

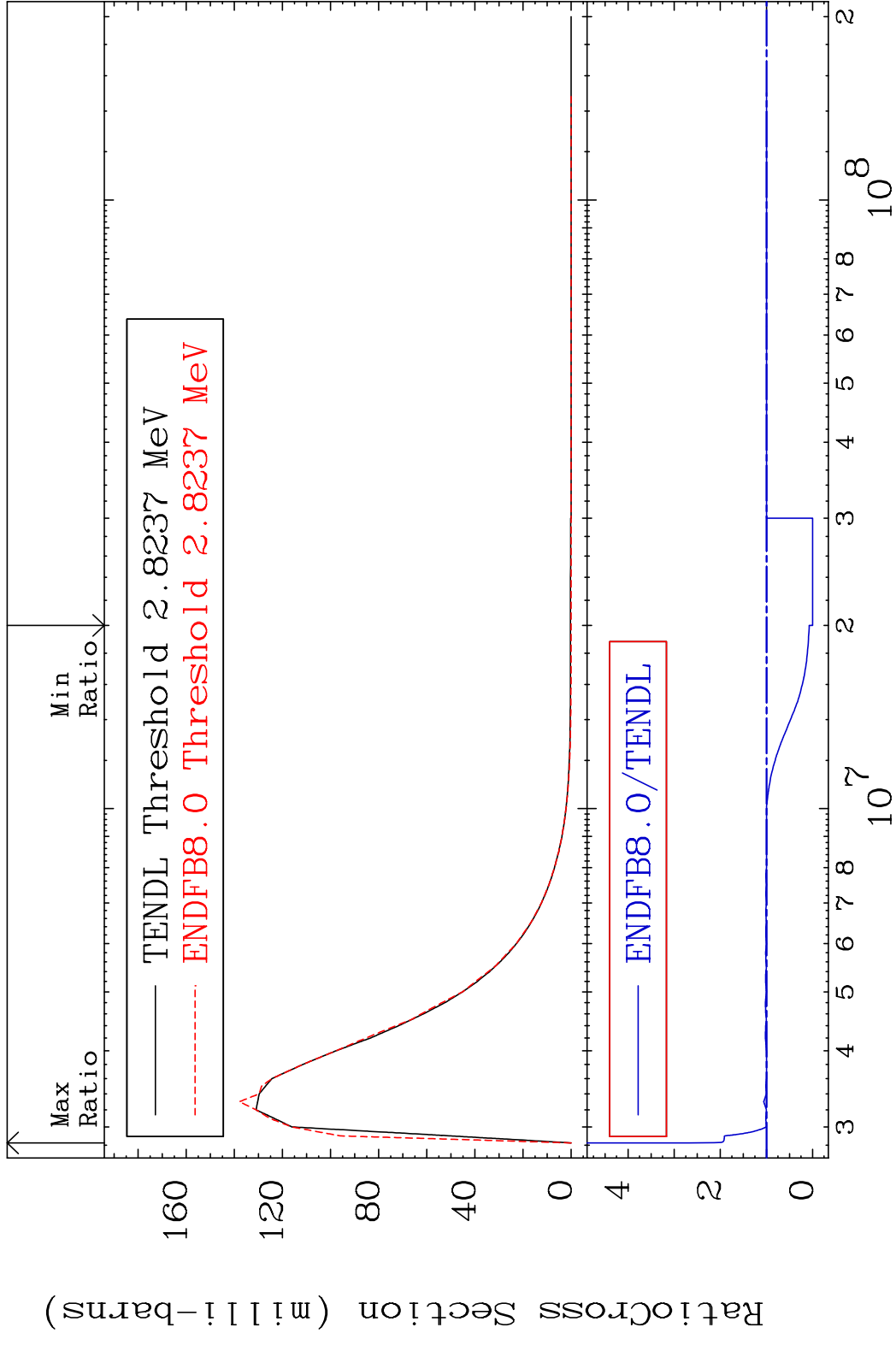


8 Incident Energy (eV) 28-Ni-58

MAT 2825 MT= 52 (n, n') Level 28-Ni-58
 Cross Section -100.0 To 52.90 %

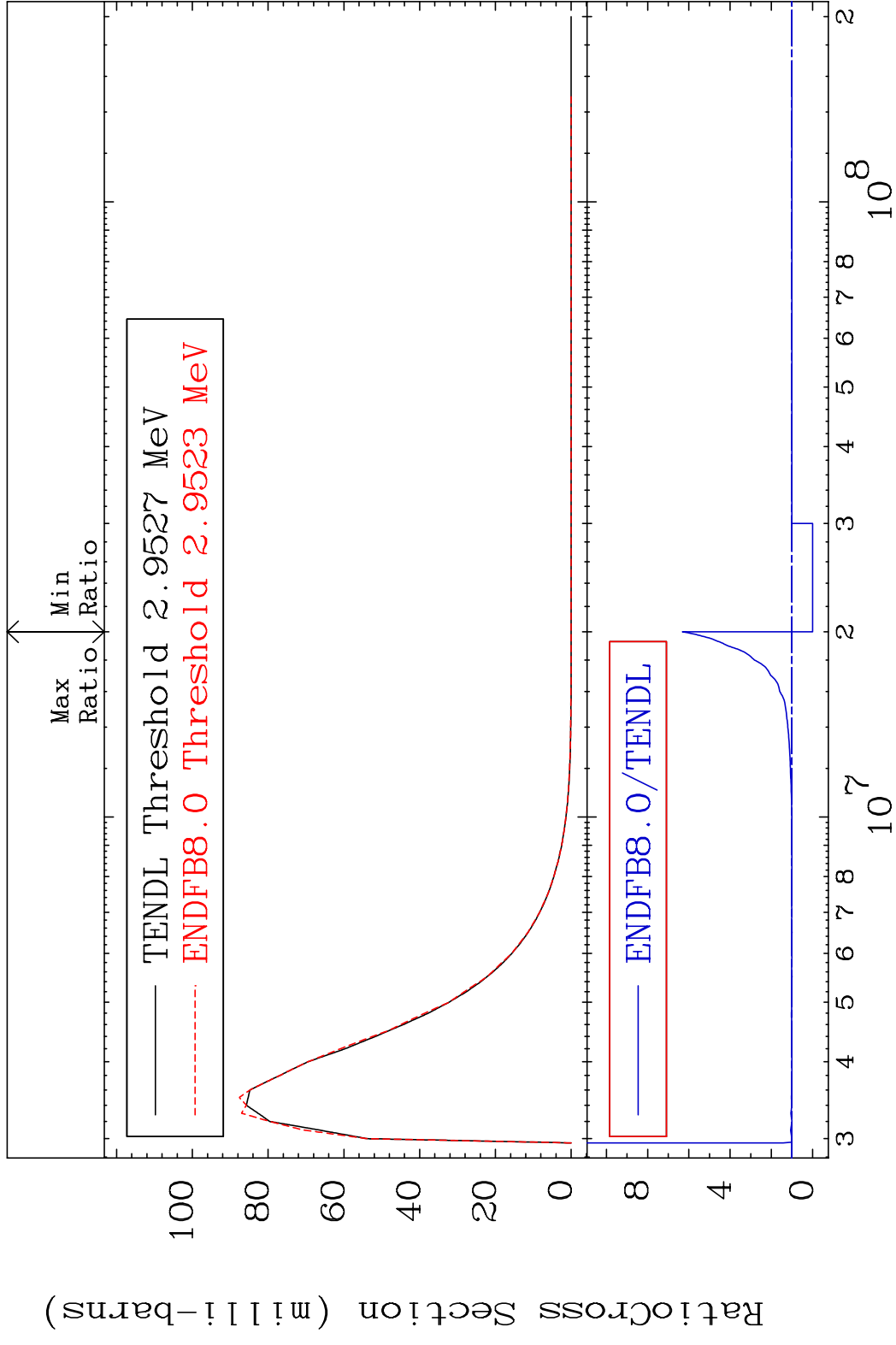


MAT 2825 MT= 53 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 182.3 %

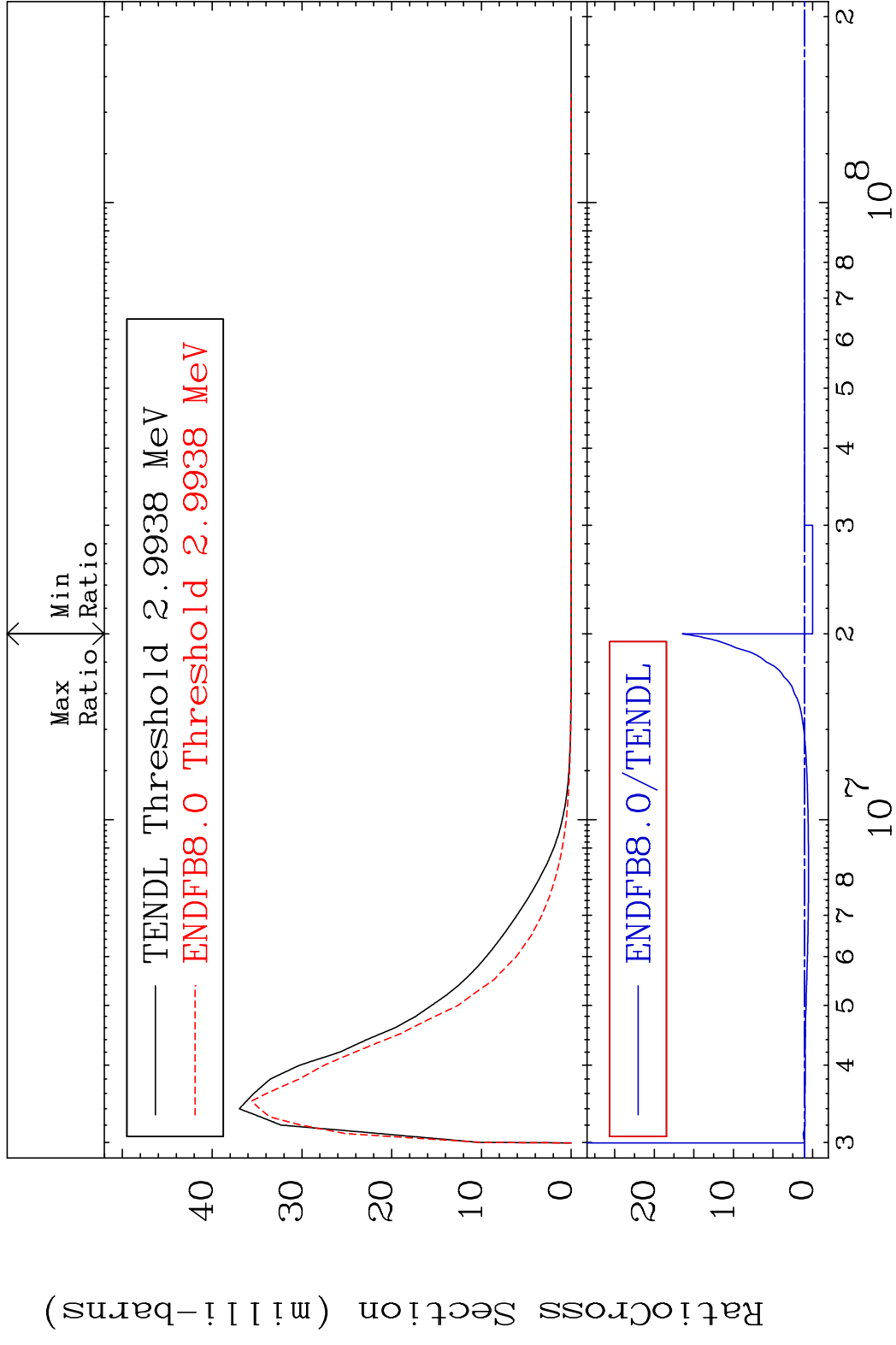


10 100 1000 10000 100000 1000000 10000000 100000000 1000000000 28-Ni-58

MAT 2825 MT= 54 (n, n') Level 28-Ni-58
 Cross Section -100.0 To 531.6 %

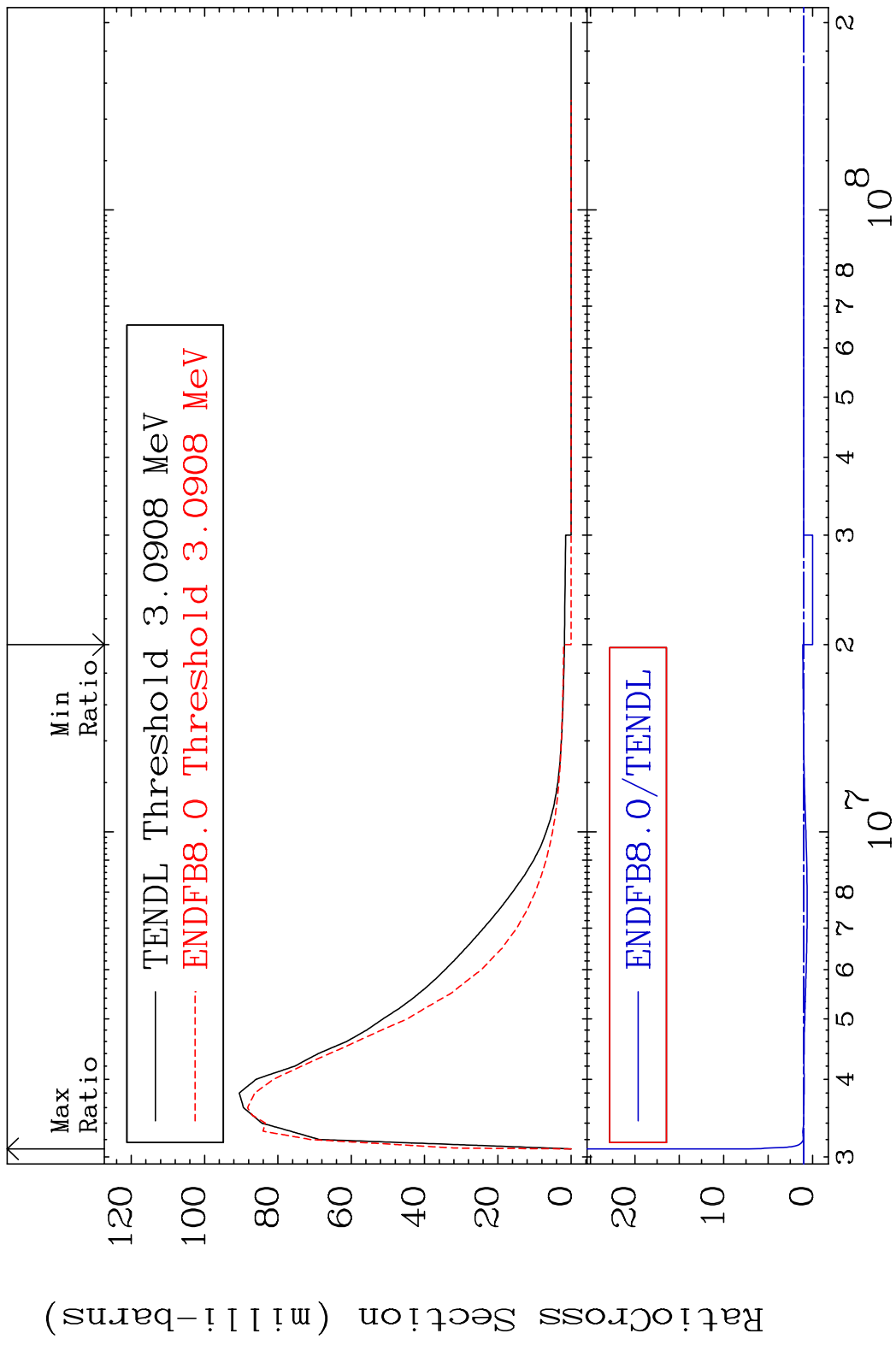


MAT 2825 MT= 55 (n, n') Level 28-Ni-58
 Cross Section -100.0 To 1545. %



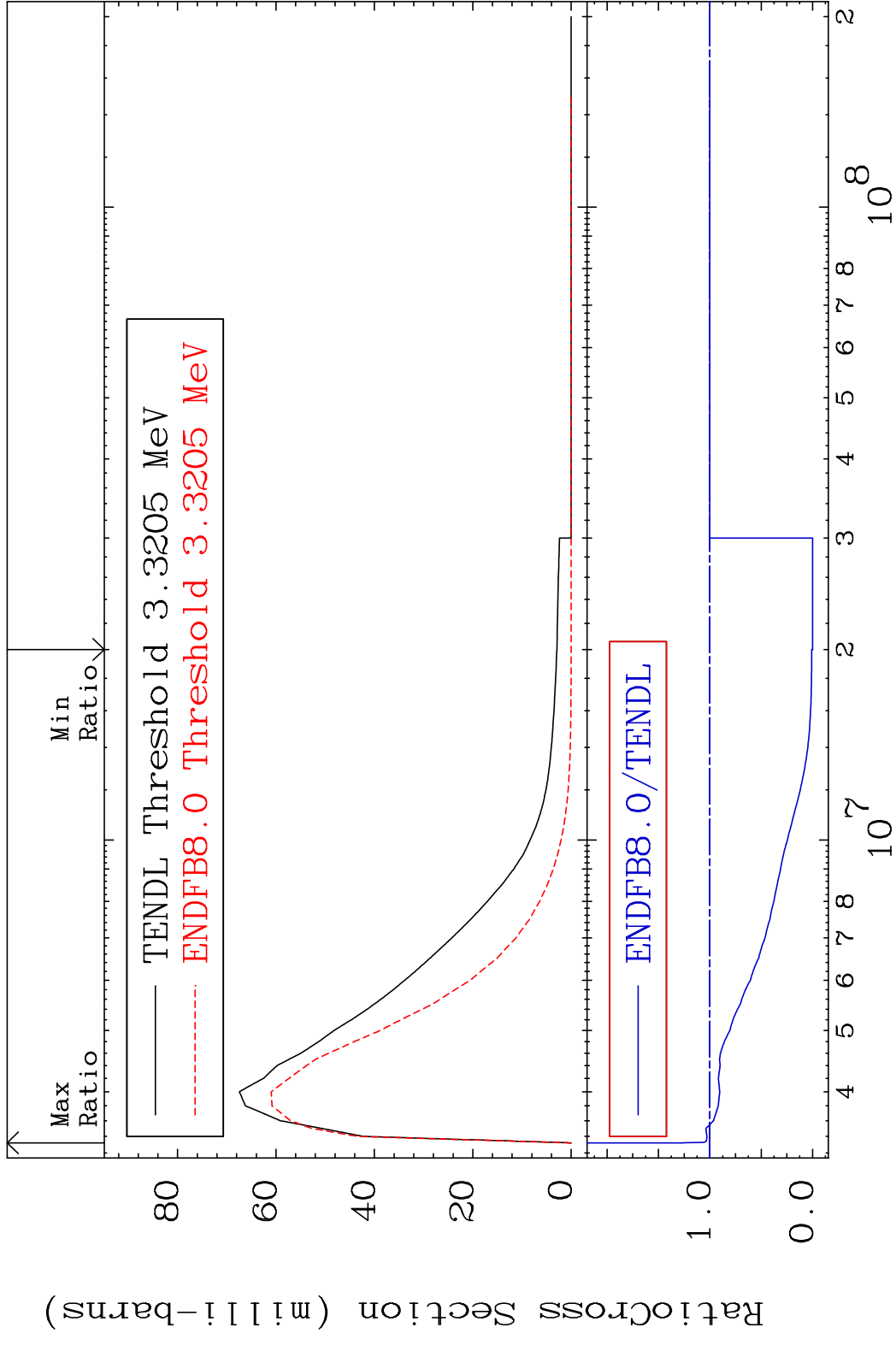
12 28-Ni-58

MAT 2825 MT= 56 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 1365. %

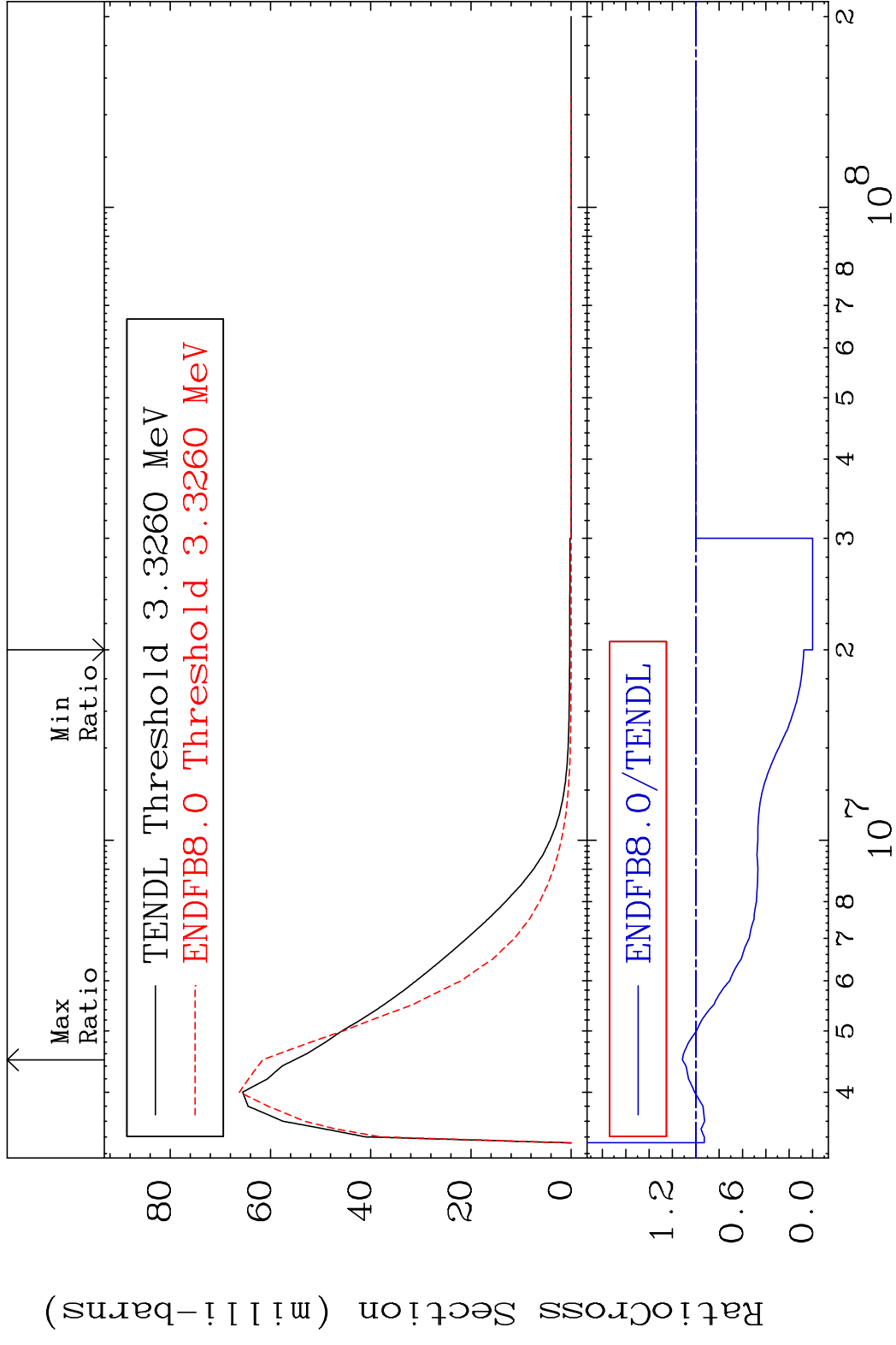


13 Incident Energy (eV) 28-Ni-58

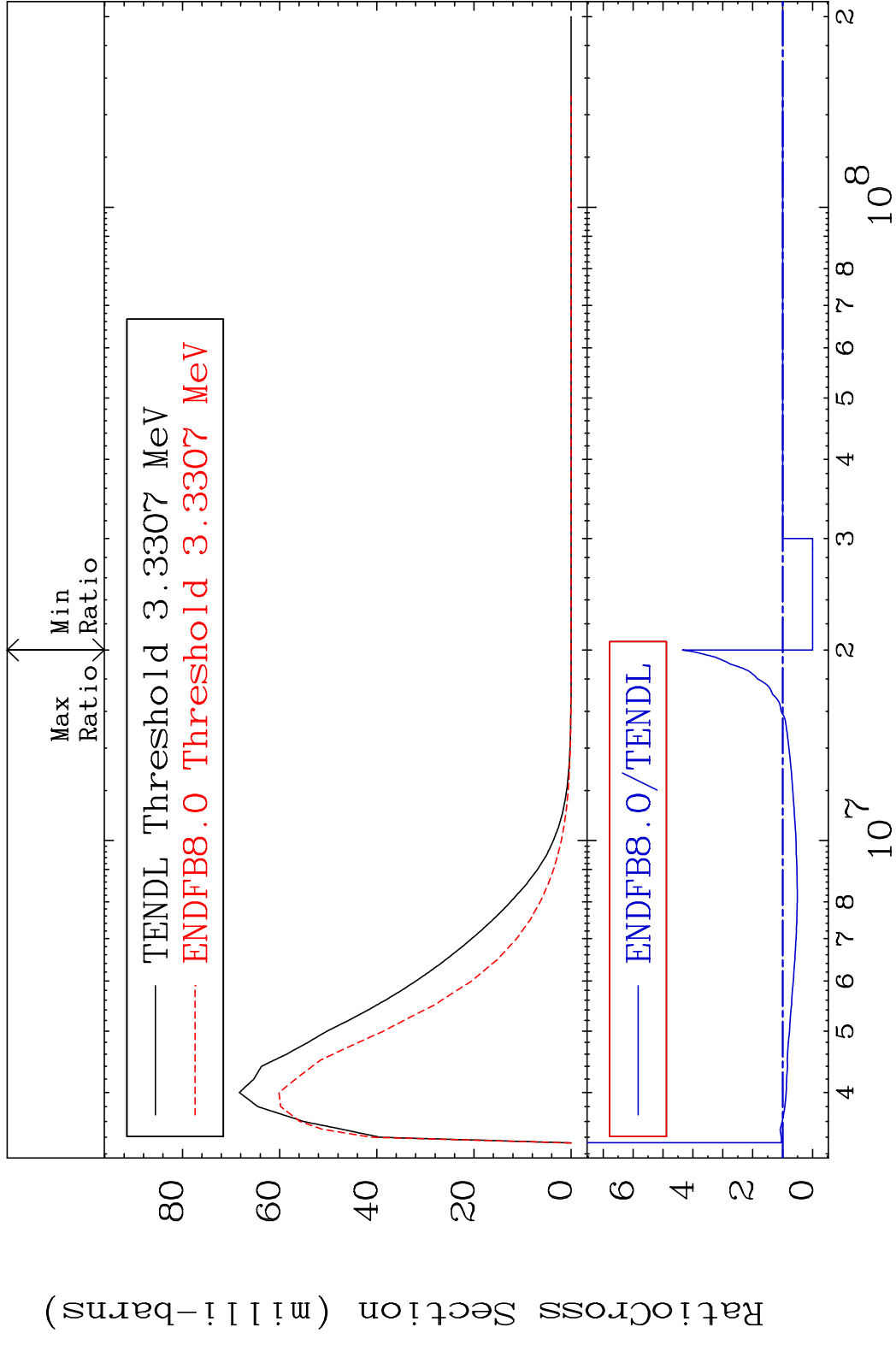
MAT 2825 MT= 57 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 26.74 %



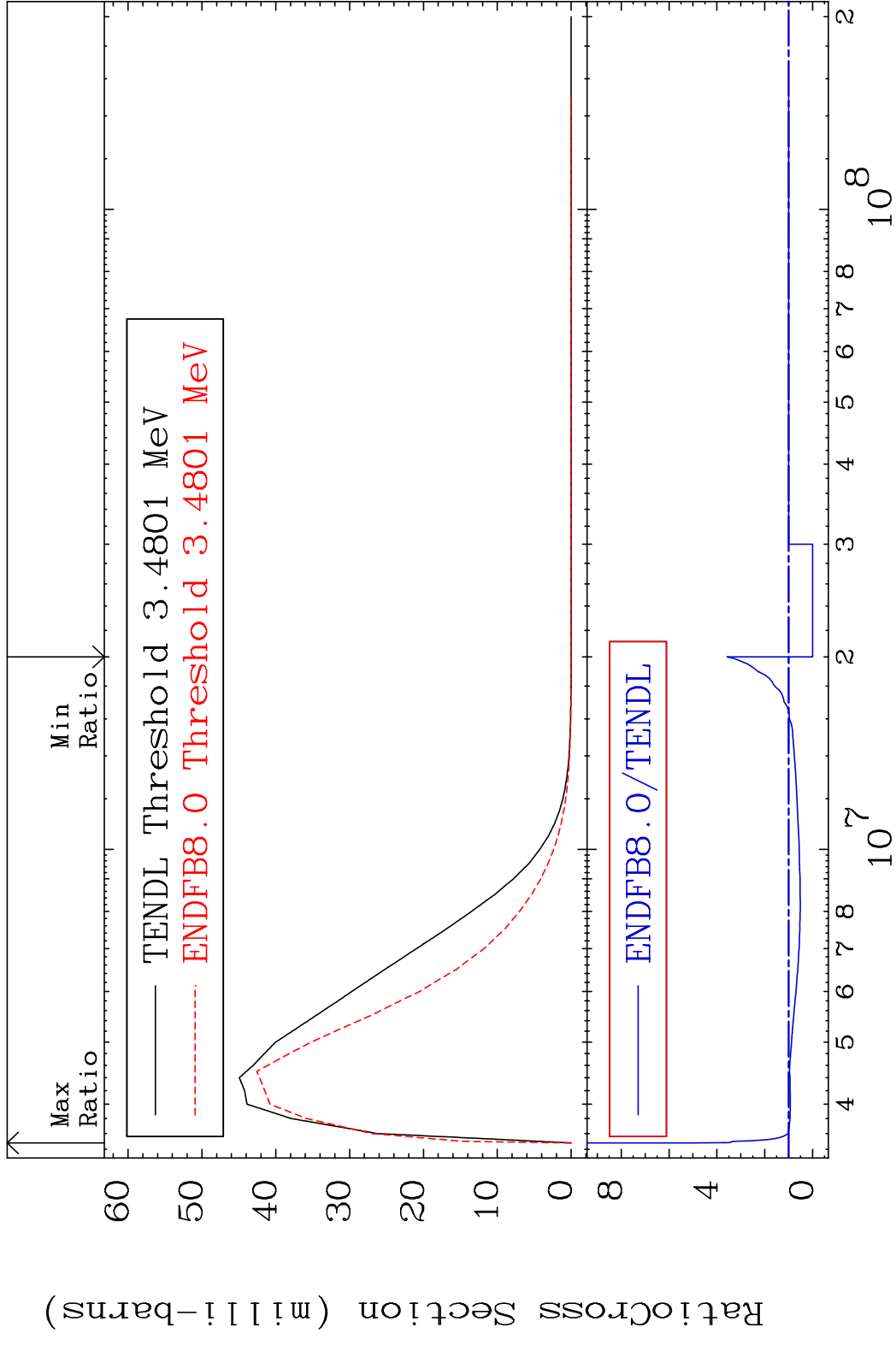
MAT 2825 MT= 58 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 11.50 %



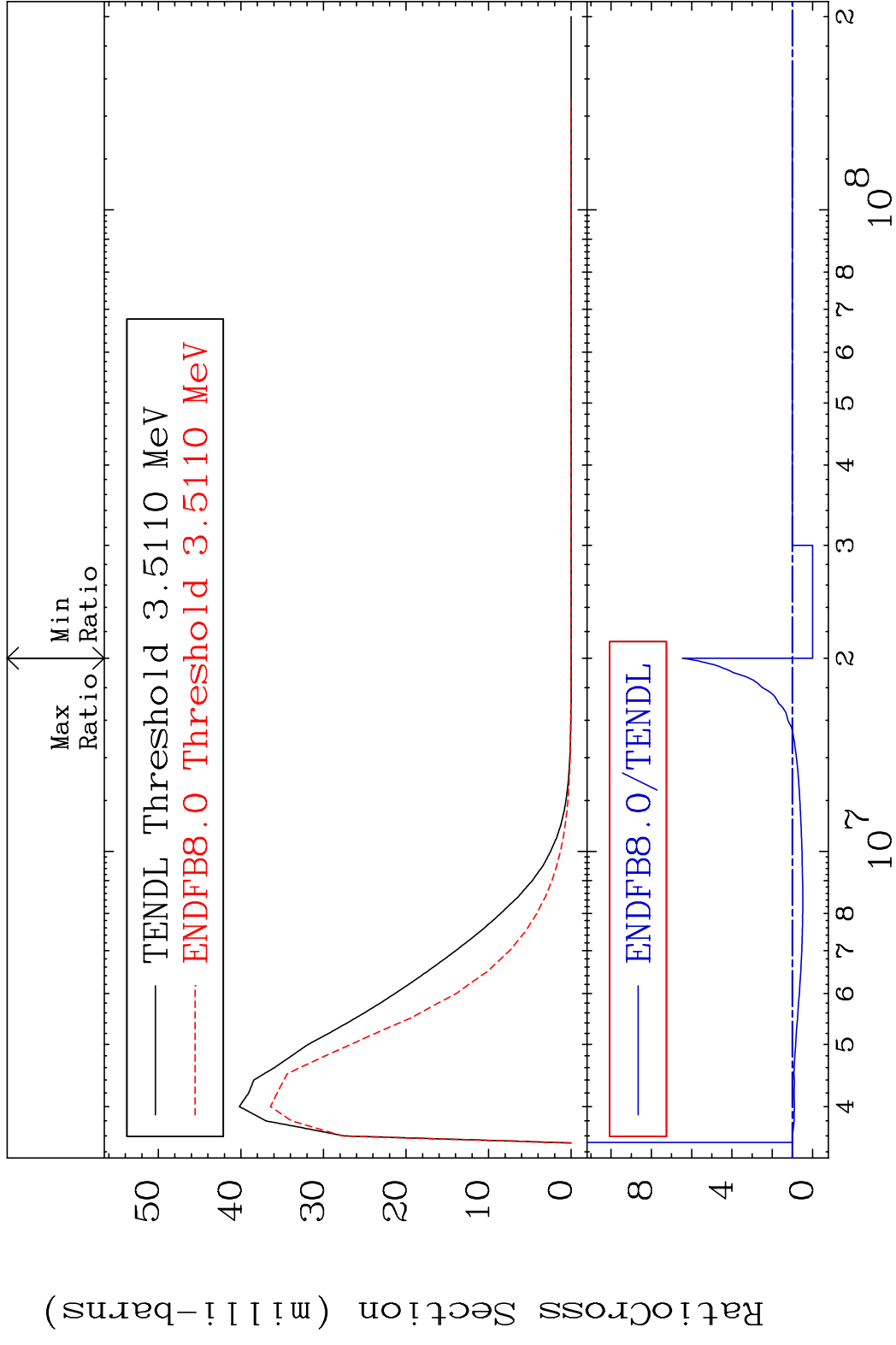
MAT 2825 MT= 59 (n, n') Level 28-Ni-58
 Cross Section -100.0 To 335.3 %



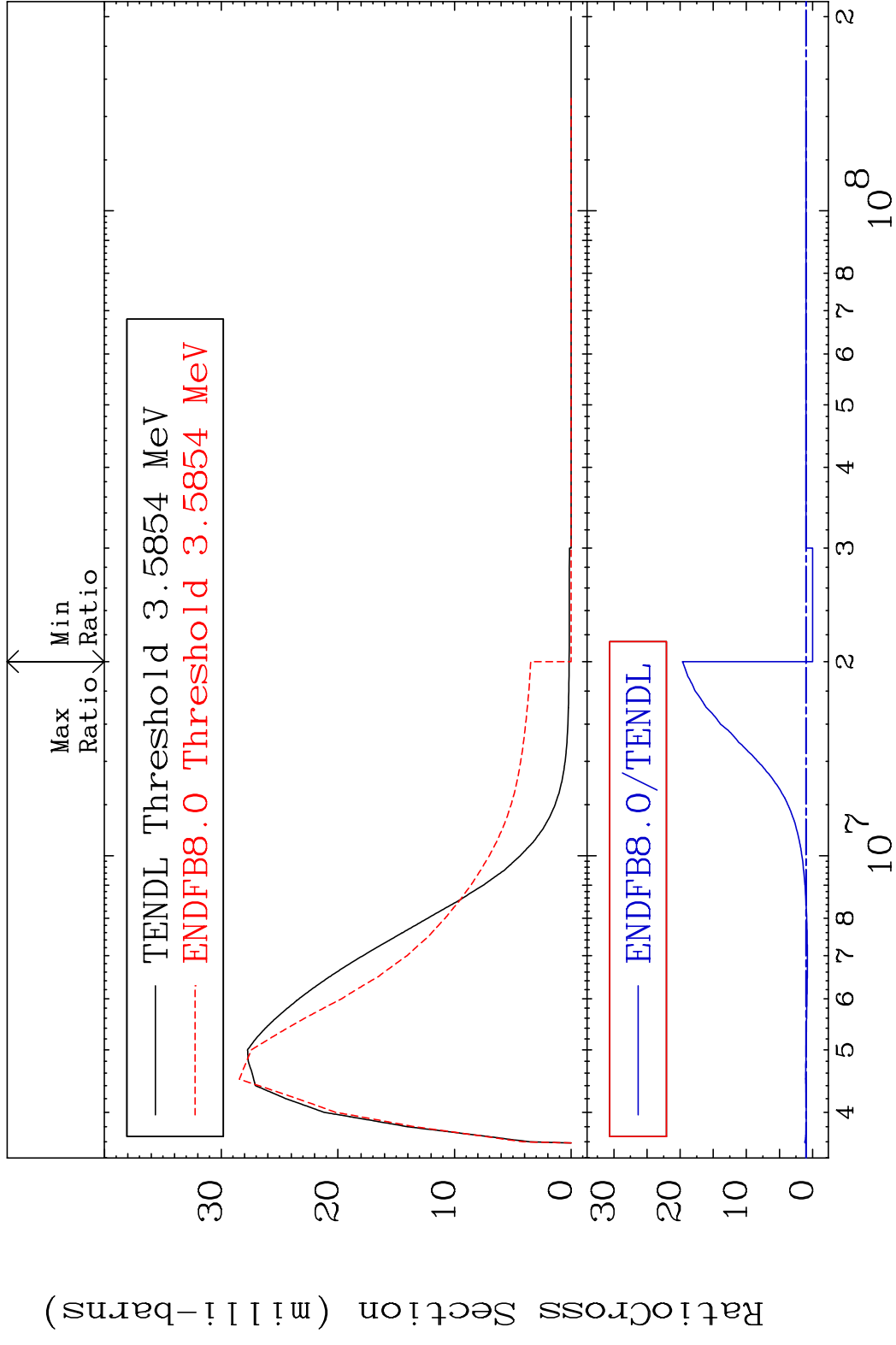
MAT 2825 MT= 60 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 444.4 %



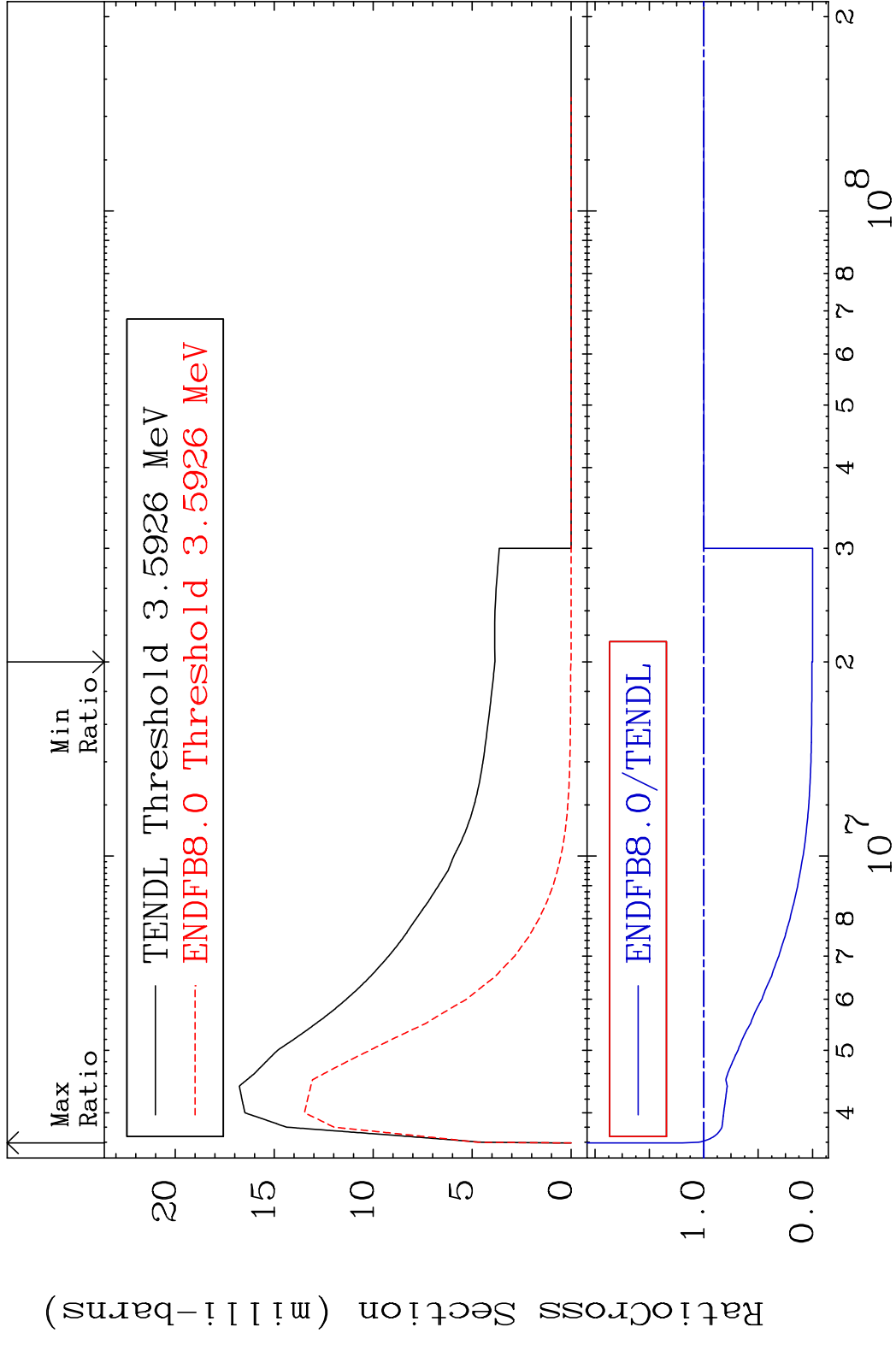
MAT 2825 MT= 61 (n, n') Level 28-Ni-58
 Cross Section -100.0 To 546.2 %



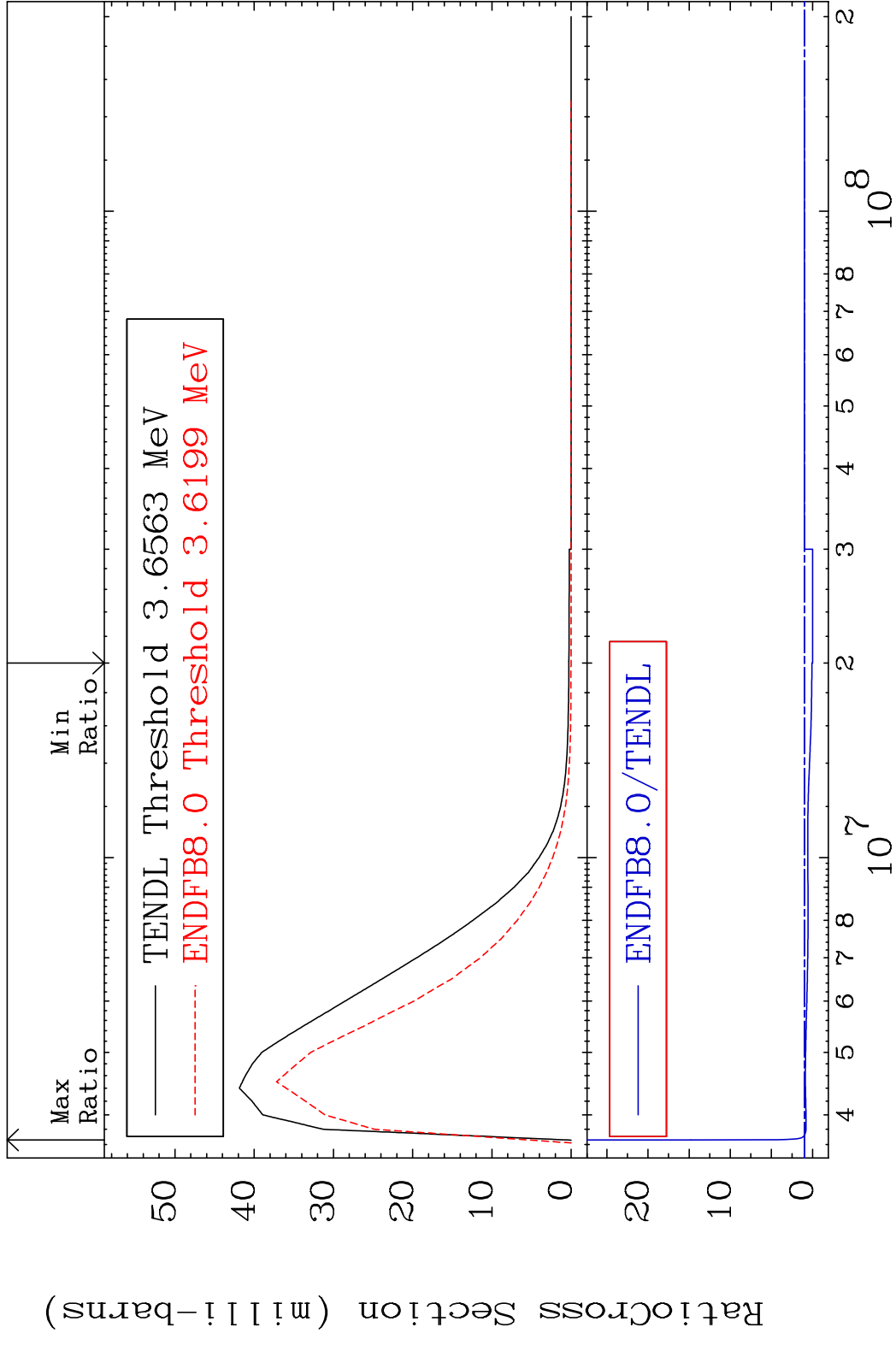
MAT 2825 MT= 62 (n, n') Level 28-Ni-58
 Cross Section -100.0 To 1867. %



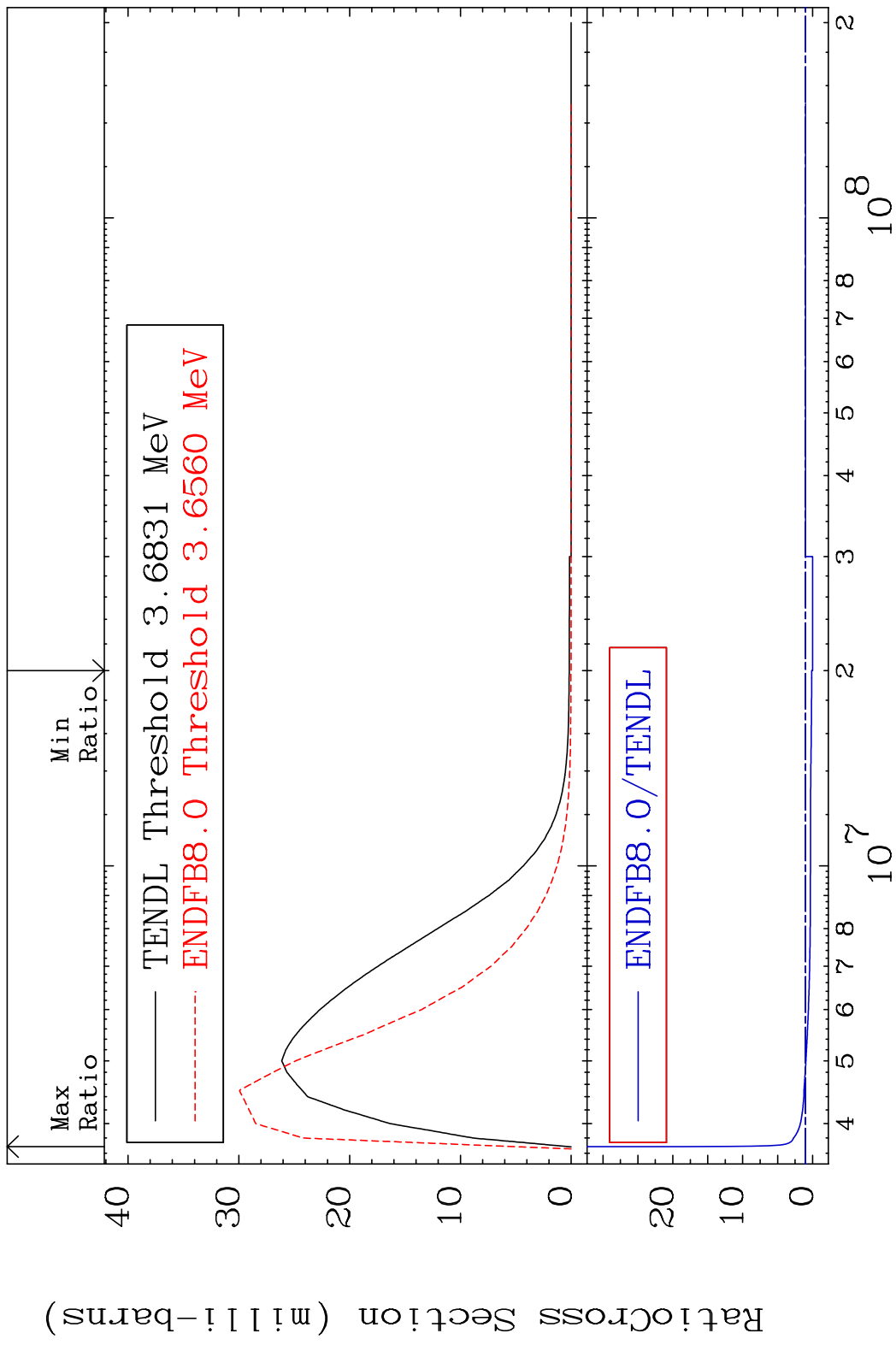
MAT 2825 MT= 63 (n, n') Level 28-Ni-58
 Cross Section -100.0 To 19.71 %



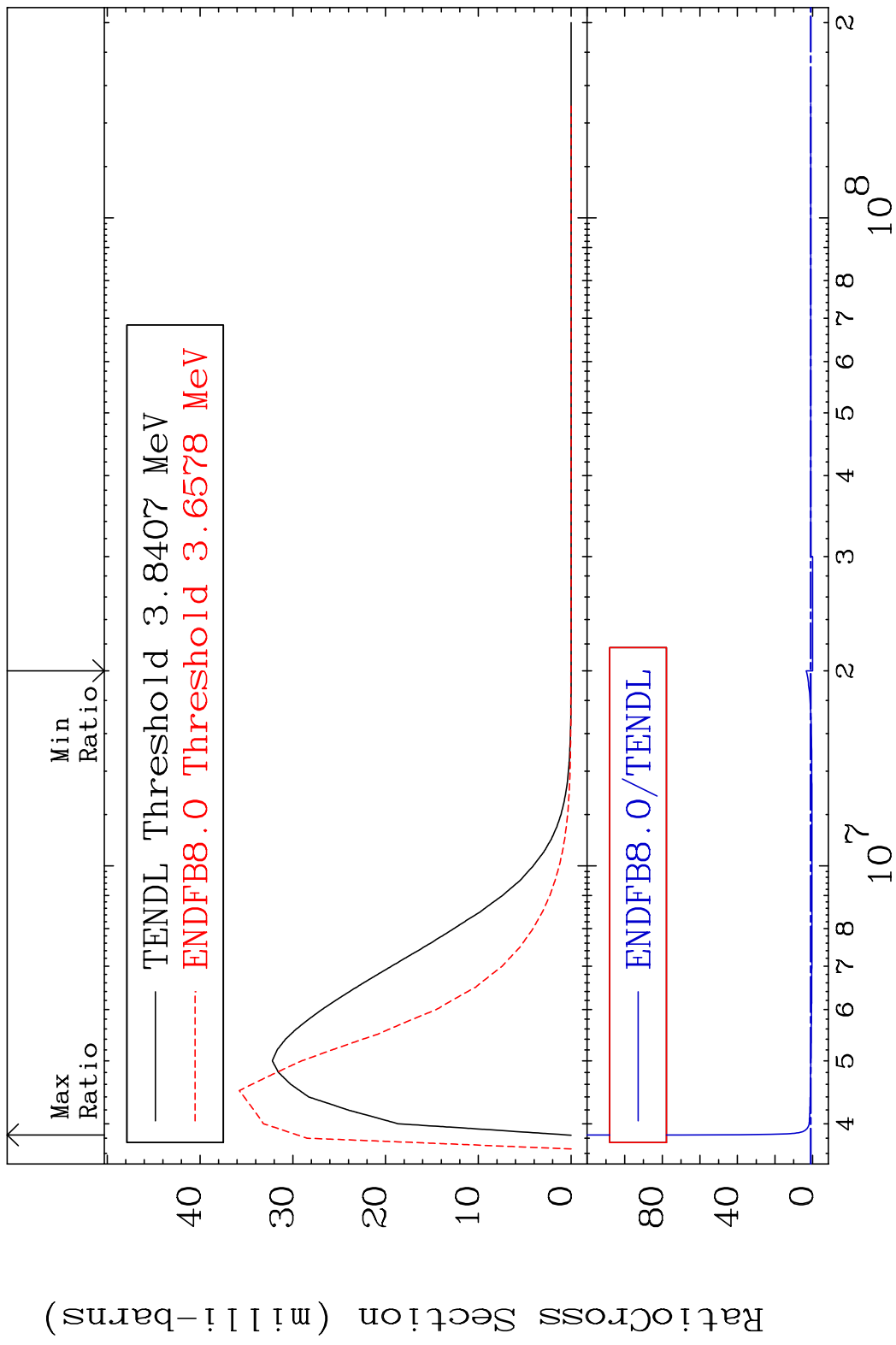
MAT 2825 MT= 64 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 1483. %



MAT 2825 MT= 65 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 1764. %

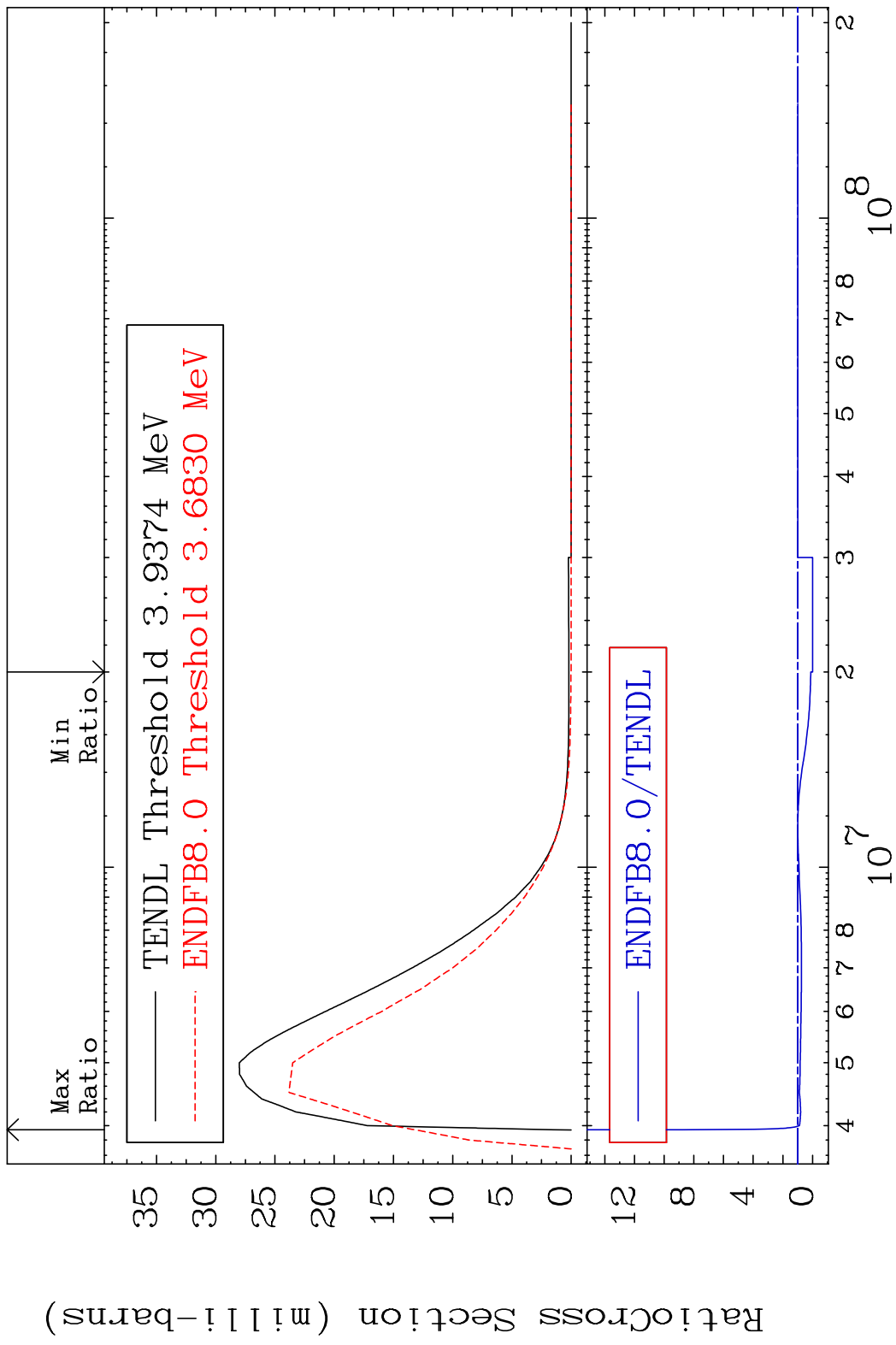


MAT 2825 MT= 66 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 6831. %

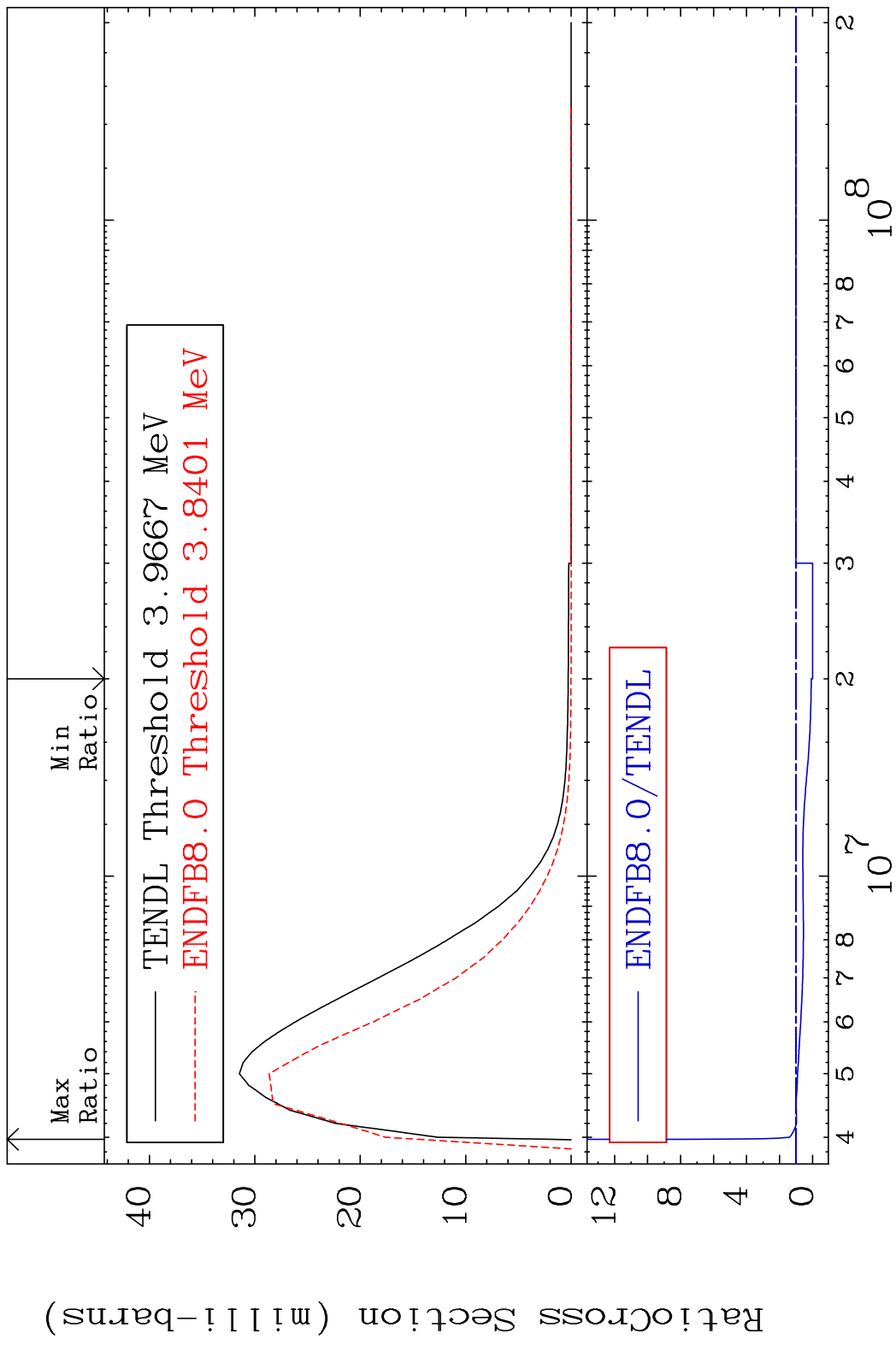


23 Incident Energy (eV) 28-Ni-58

MAT 2825 MT= 67 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 777.2 %

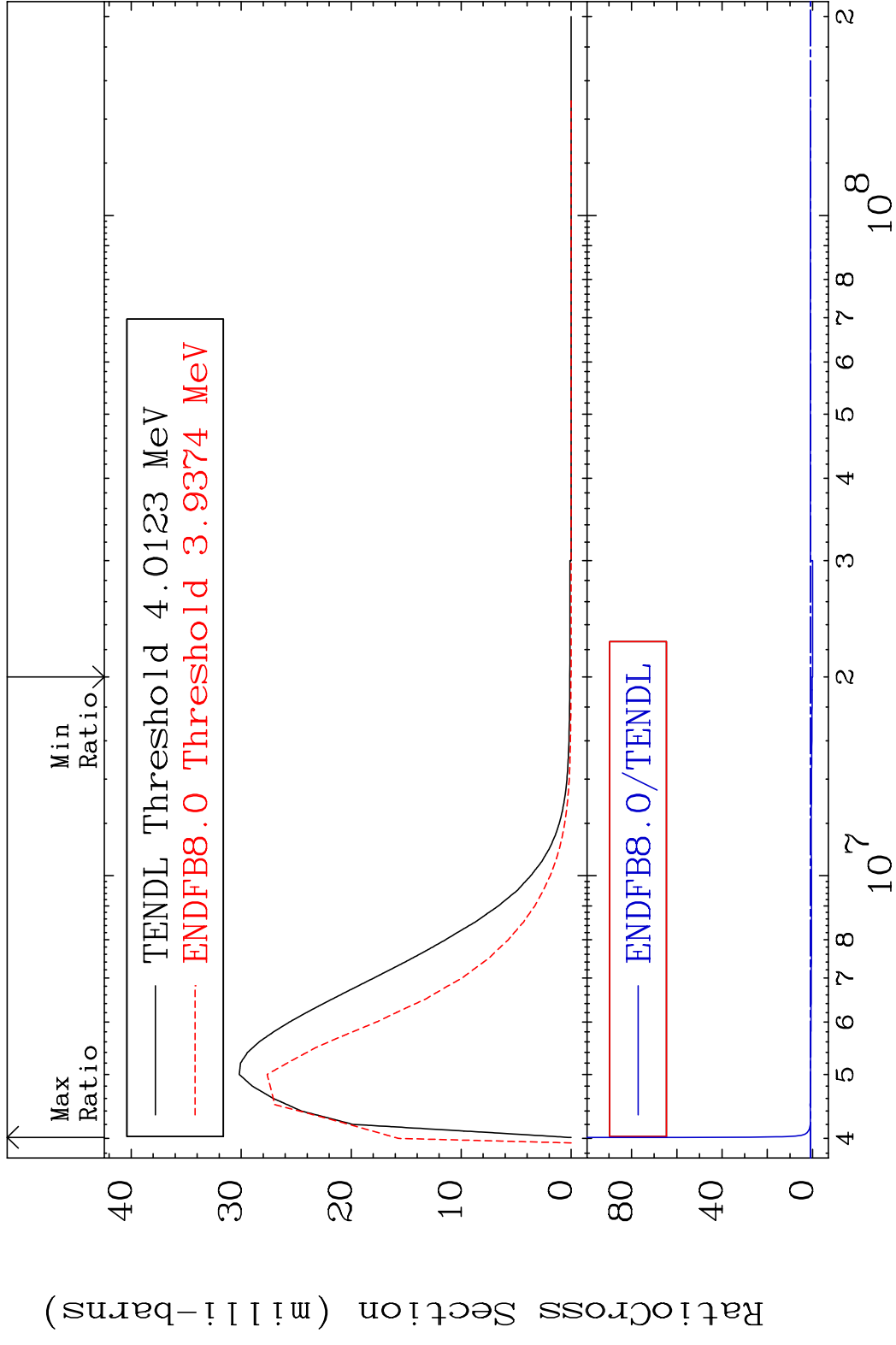


MAT 2825 MT= 68 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 689.2 %



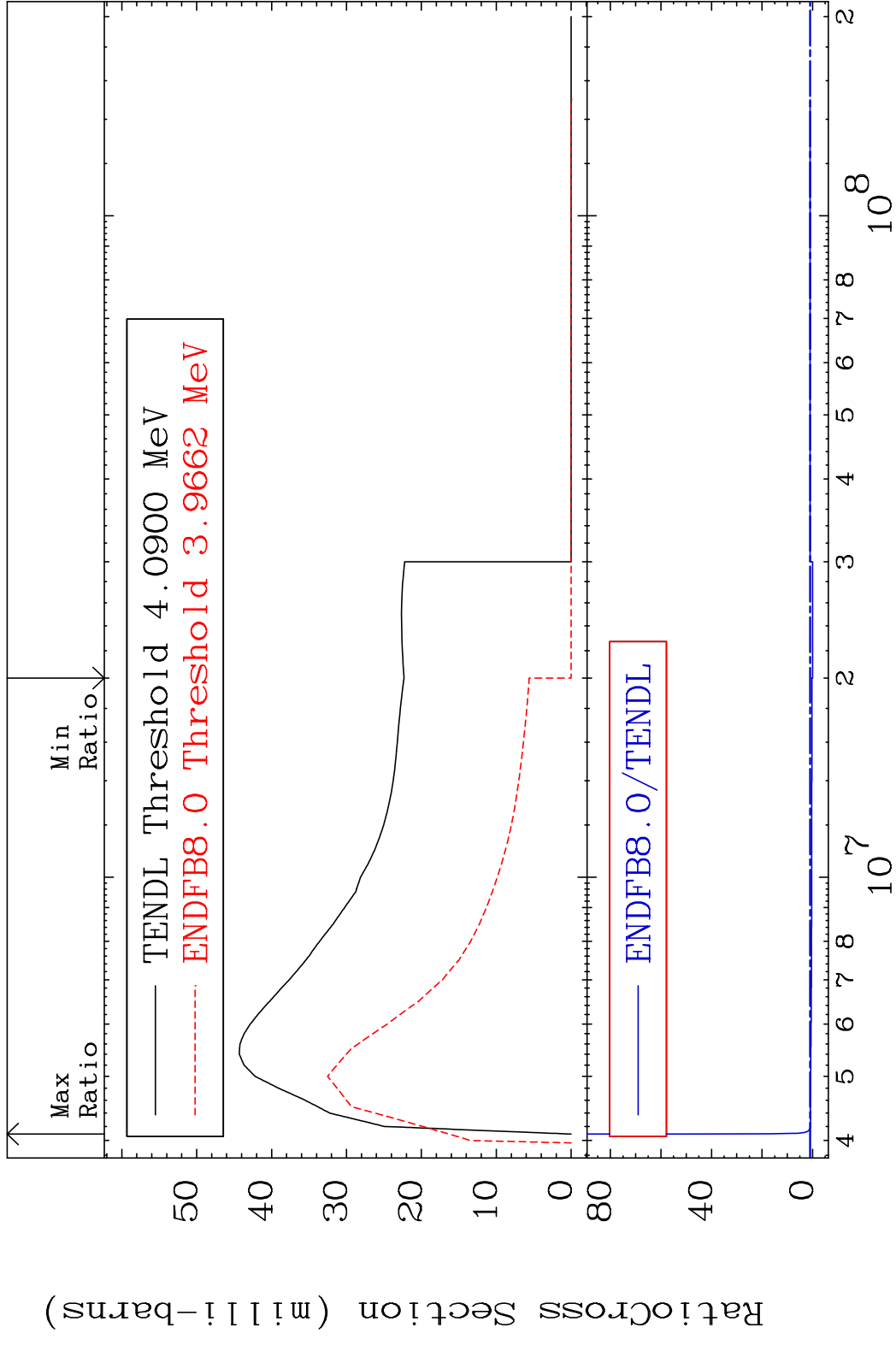
25 28-Ni-58

MAT 2825 MT= 69 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 5656. %

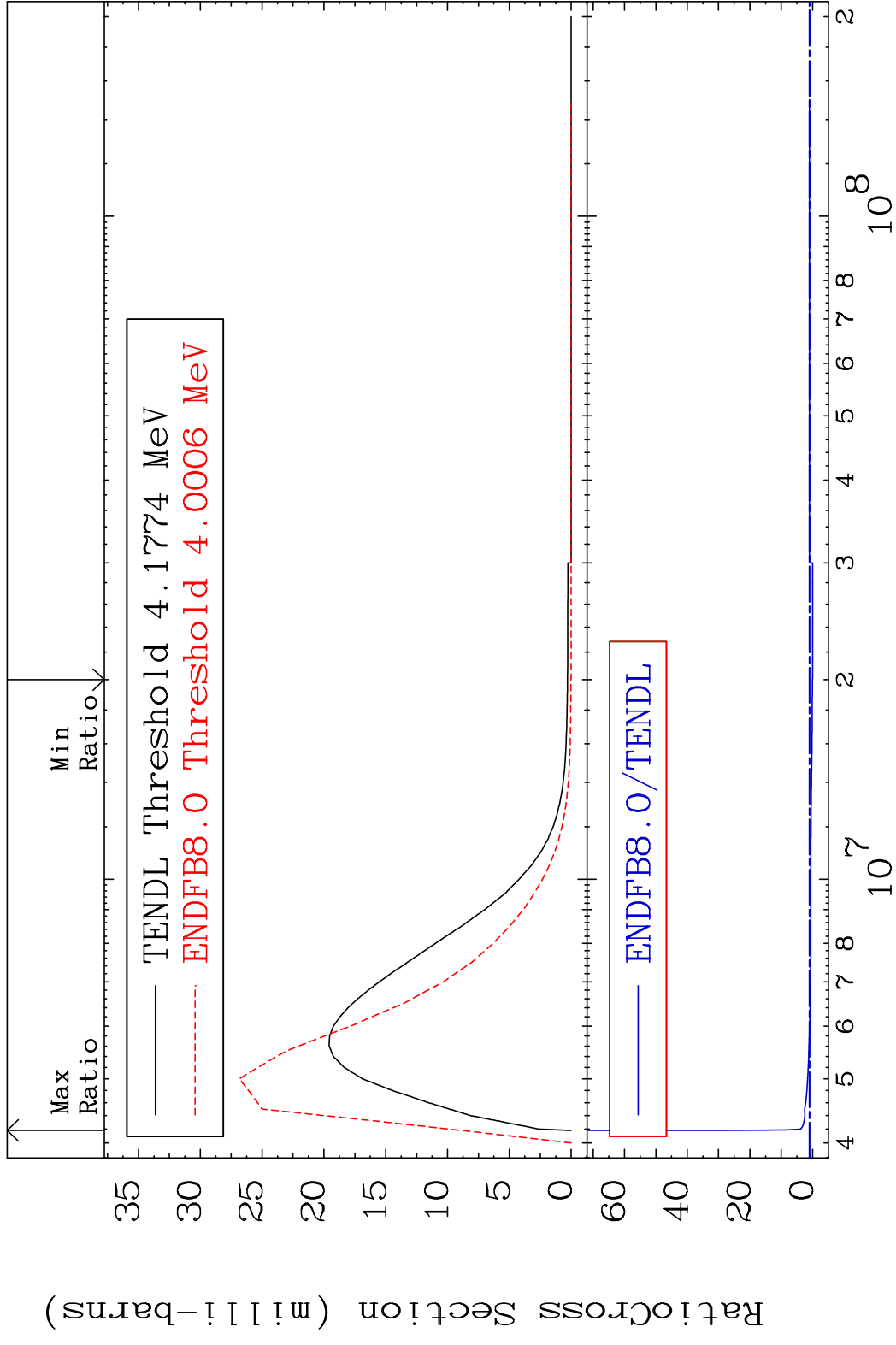


26 Incident Energy (eV) 28-Ni-58

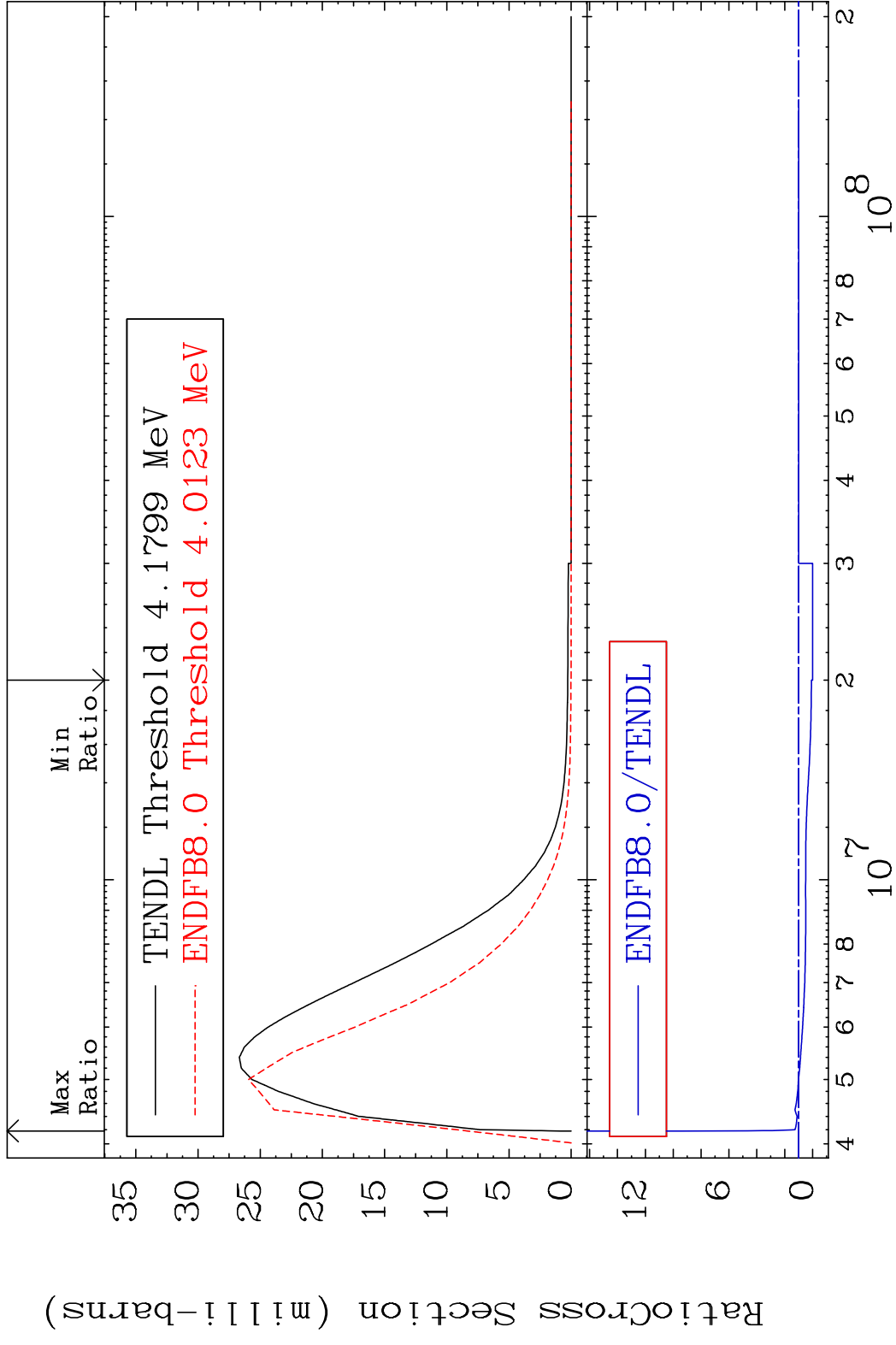
MAT 2825 MT= 70 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 5052. %



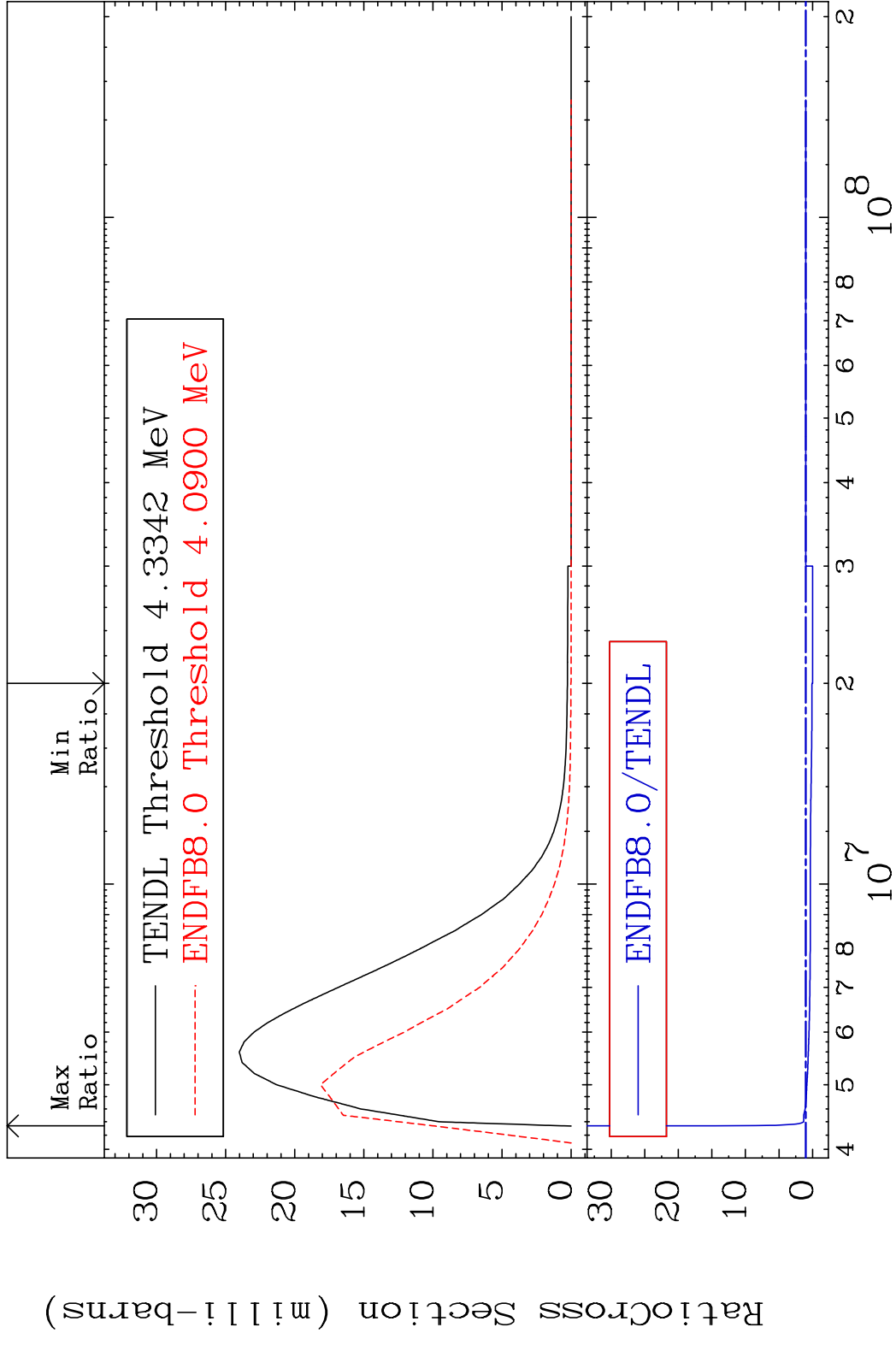
MAT 2825 MT= 71 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 4054. %



MAT 2825 MT= 72 (n, n') Level 28-Ni-58
 Cross Section -100.0 To 834.5 %



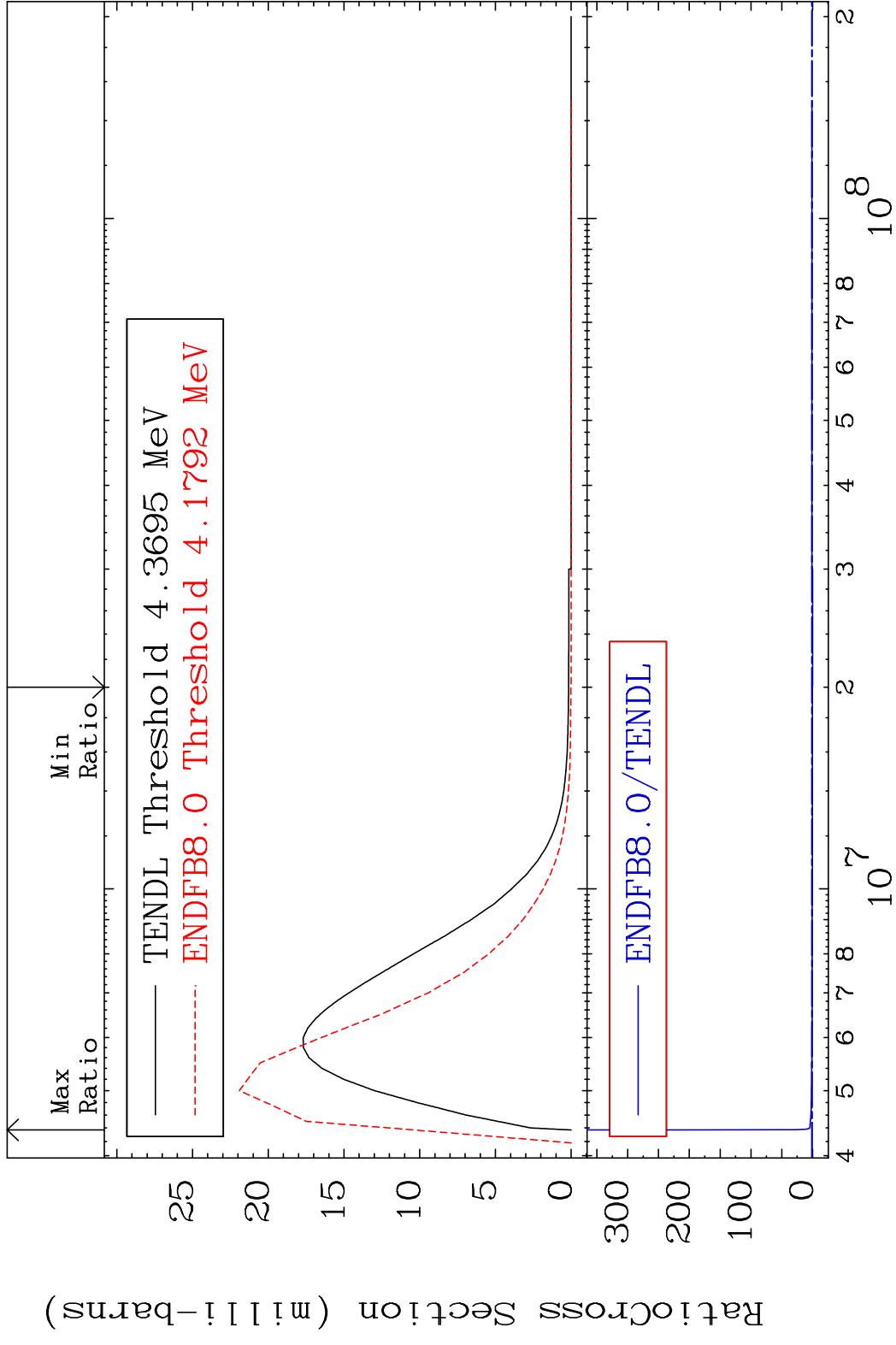
MAT 2825 MT= 73 (n, n') Level 28-Ni-58
 Cross Section -100.0 To 1840. %



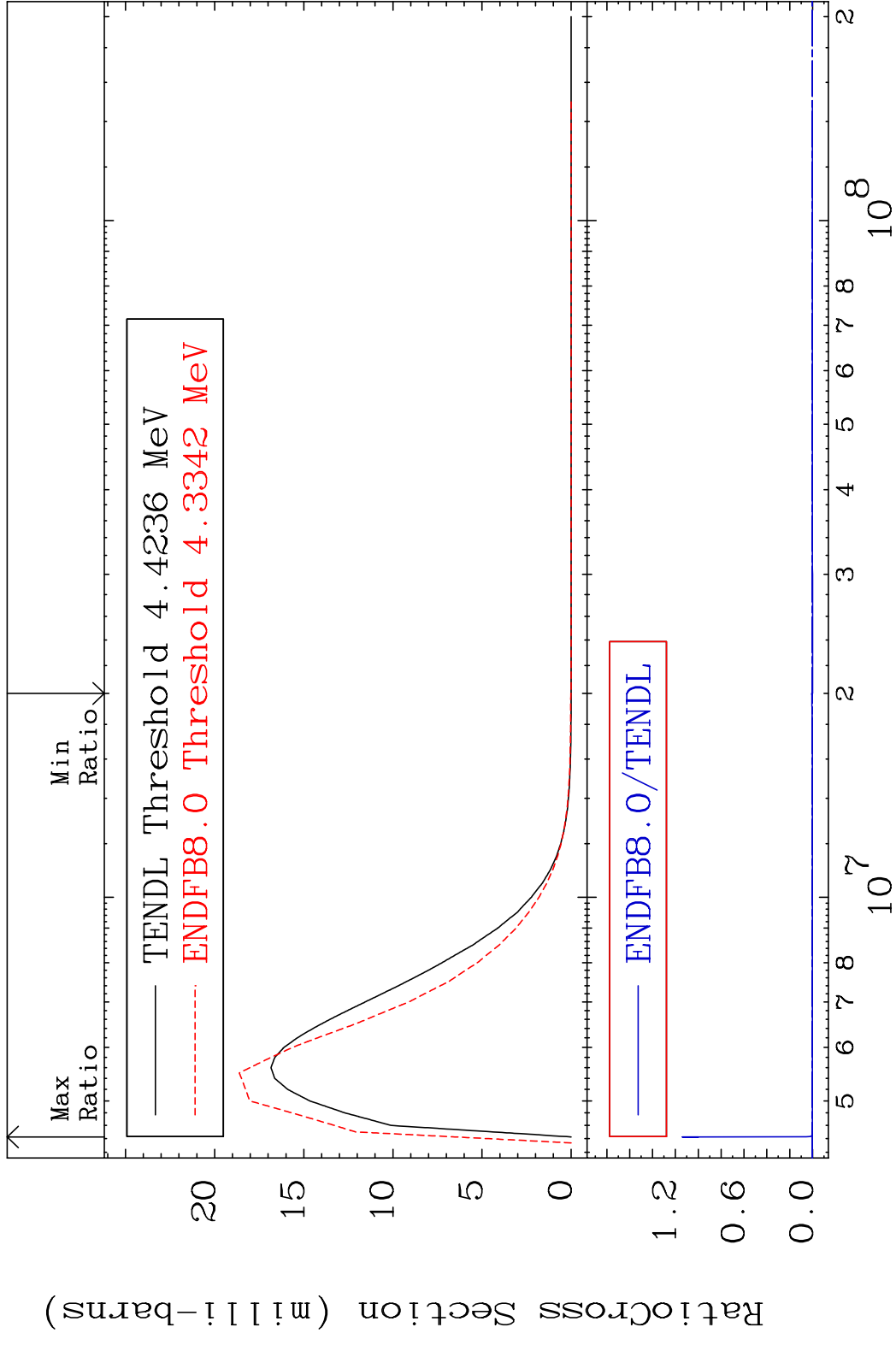
30

Incident Energy (eV) 28-Ni-58

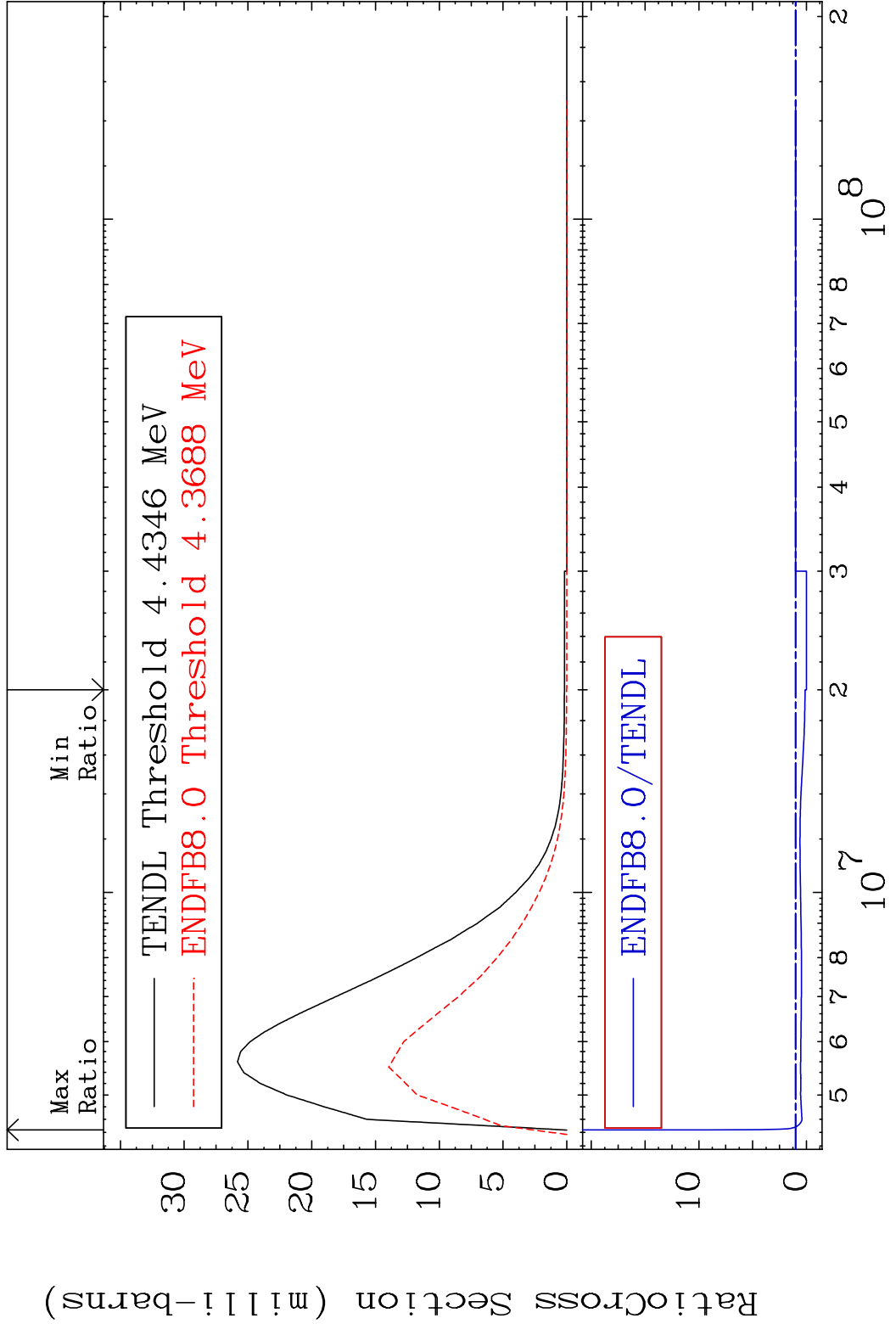
MAT 2825 MT= 74 (n, n') Level 28-Ni-58
 Cross Section -100.0 To 9999. %



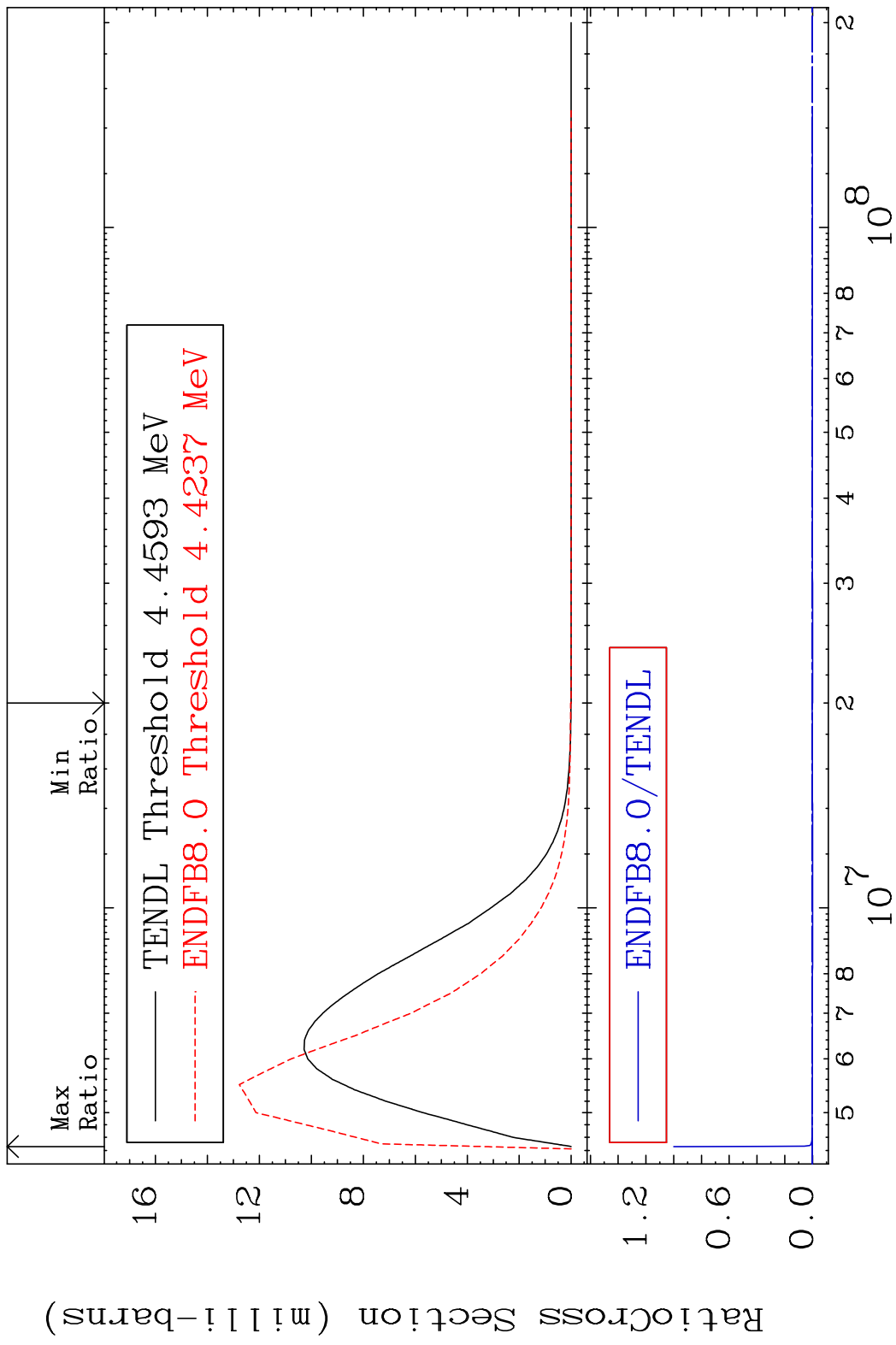
MAT 2825 MT= 75 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 9999. %



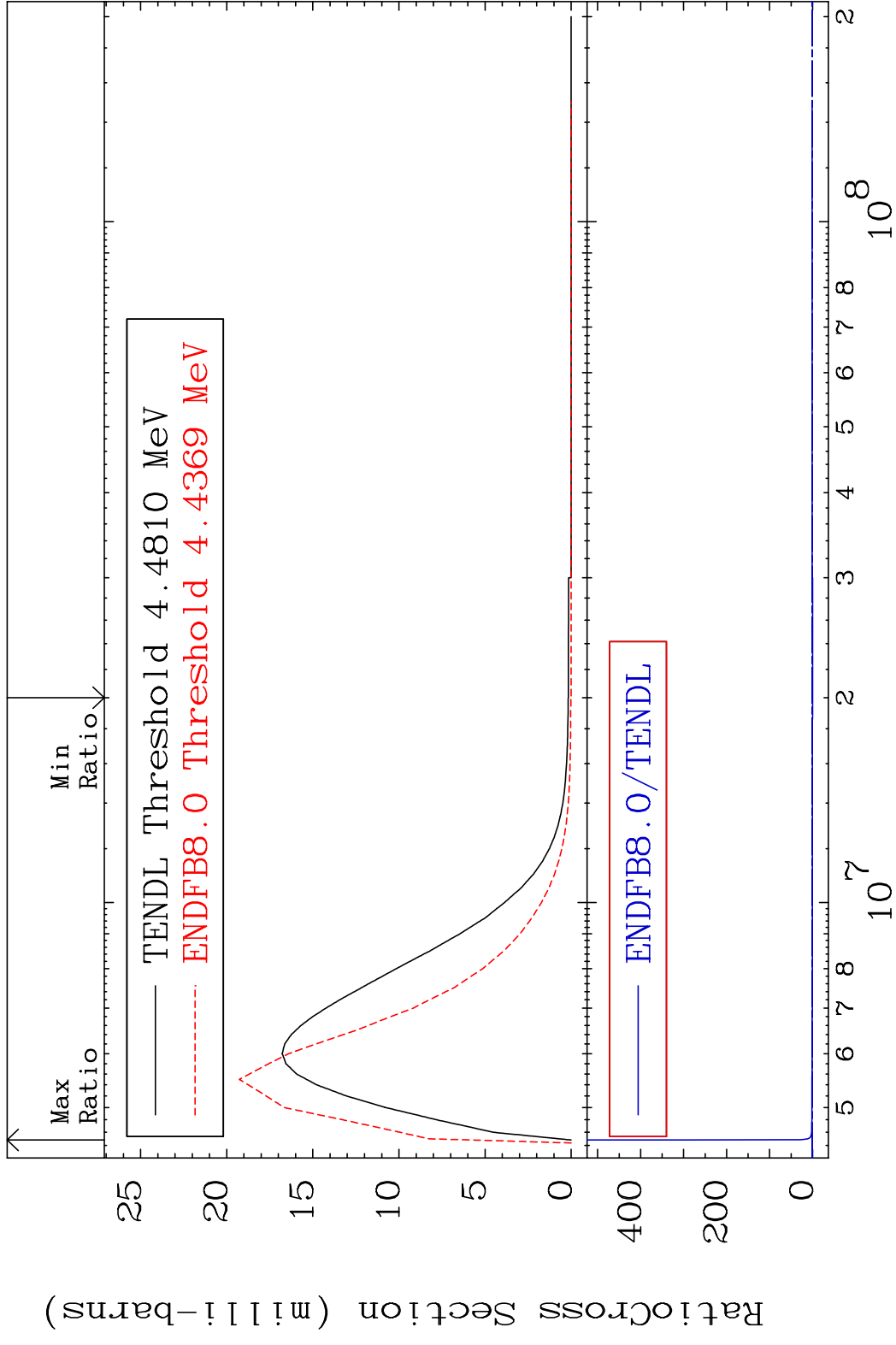
MAT 2825 MT= 76 (n, n') Level 28-Ni-58
 Cross Section -100.0 To 1102. %



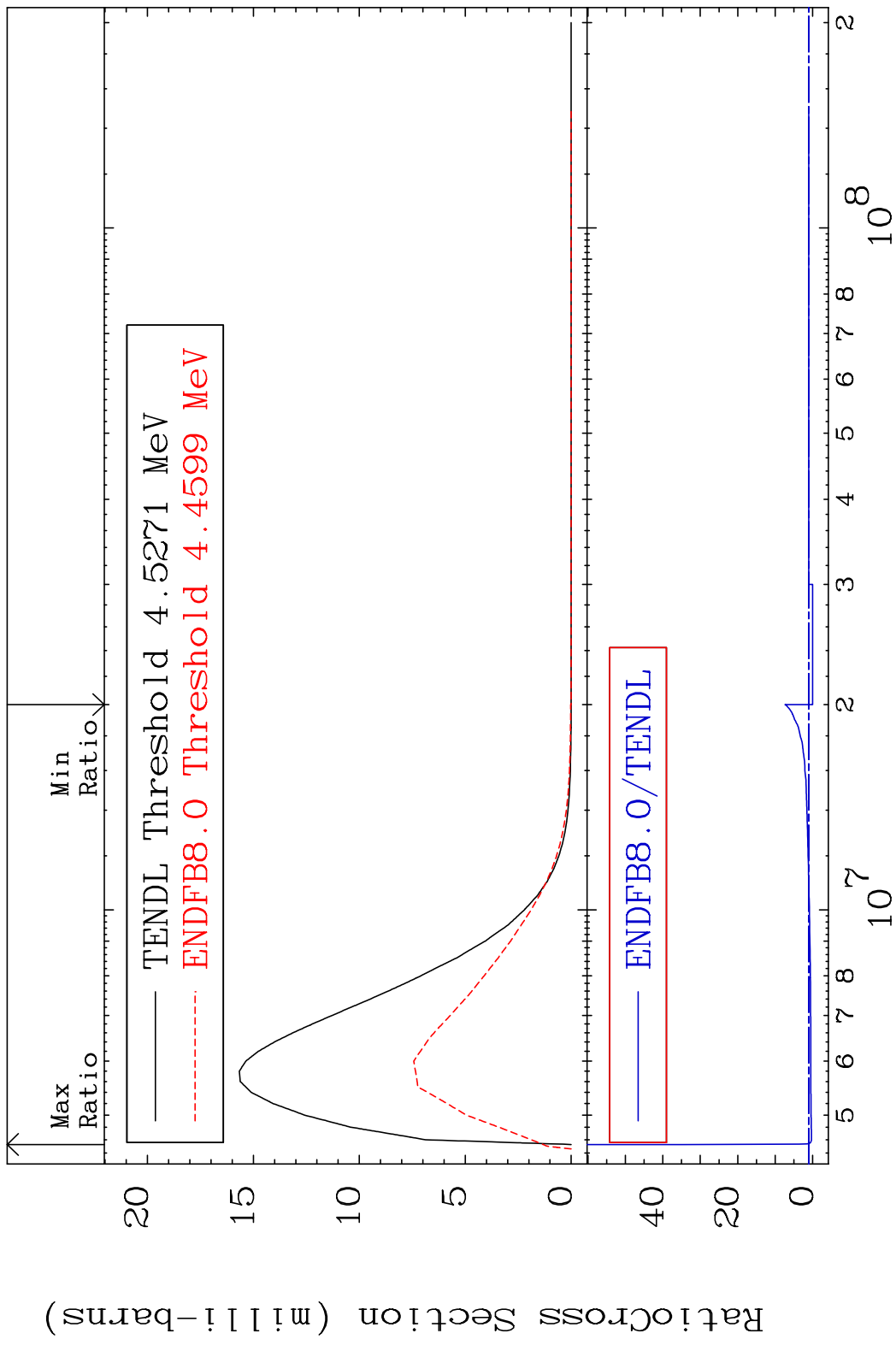
MAT 2825 MT= 77 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 9999. %



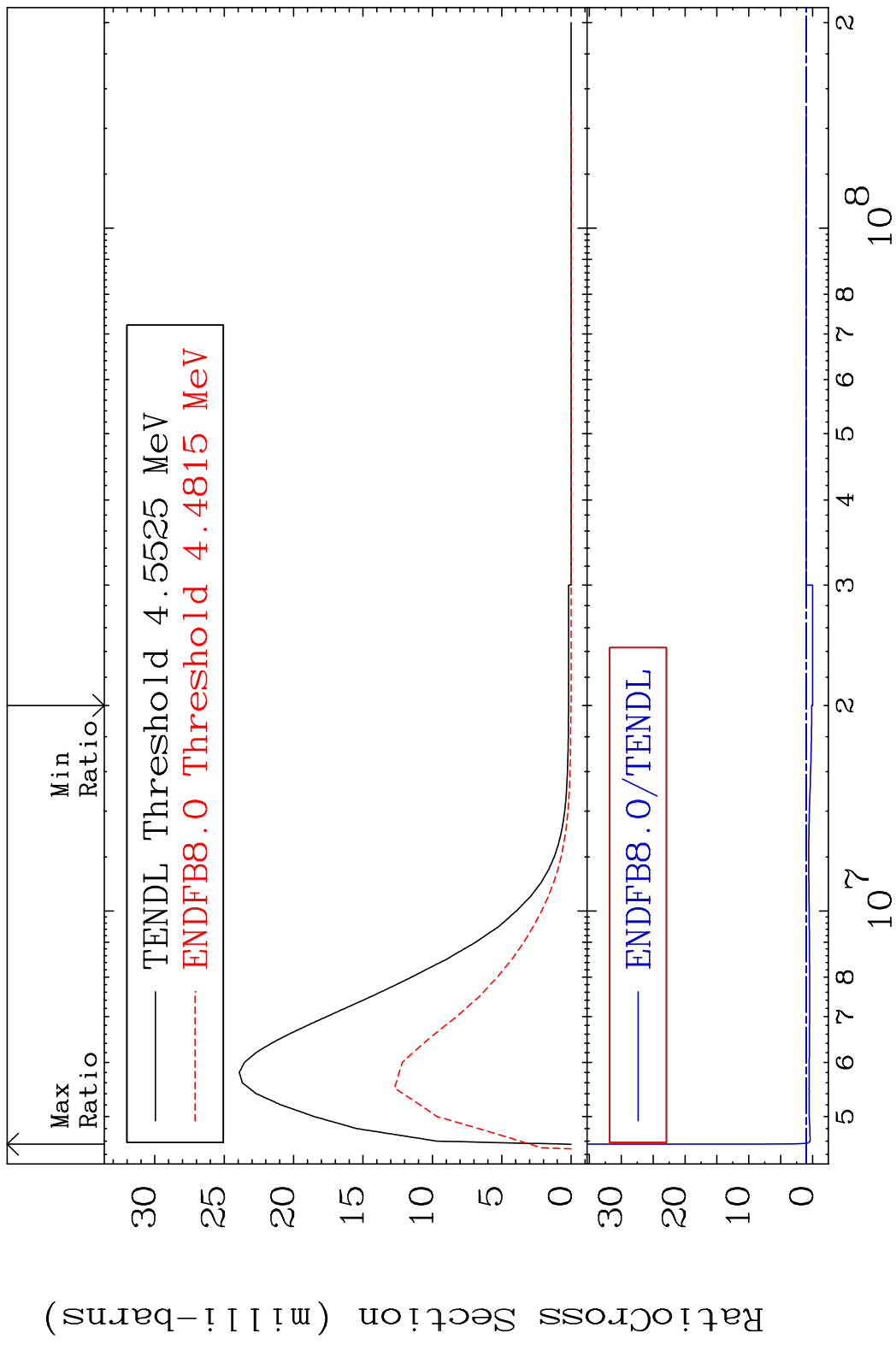
MAT 2825 MT= 78 (n, n') Level 28-Ni-58
 Cross Section -100.0 To 9999. %



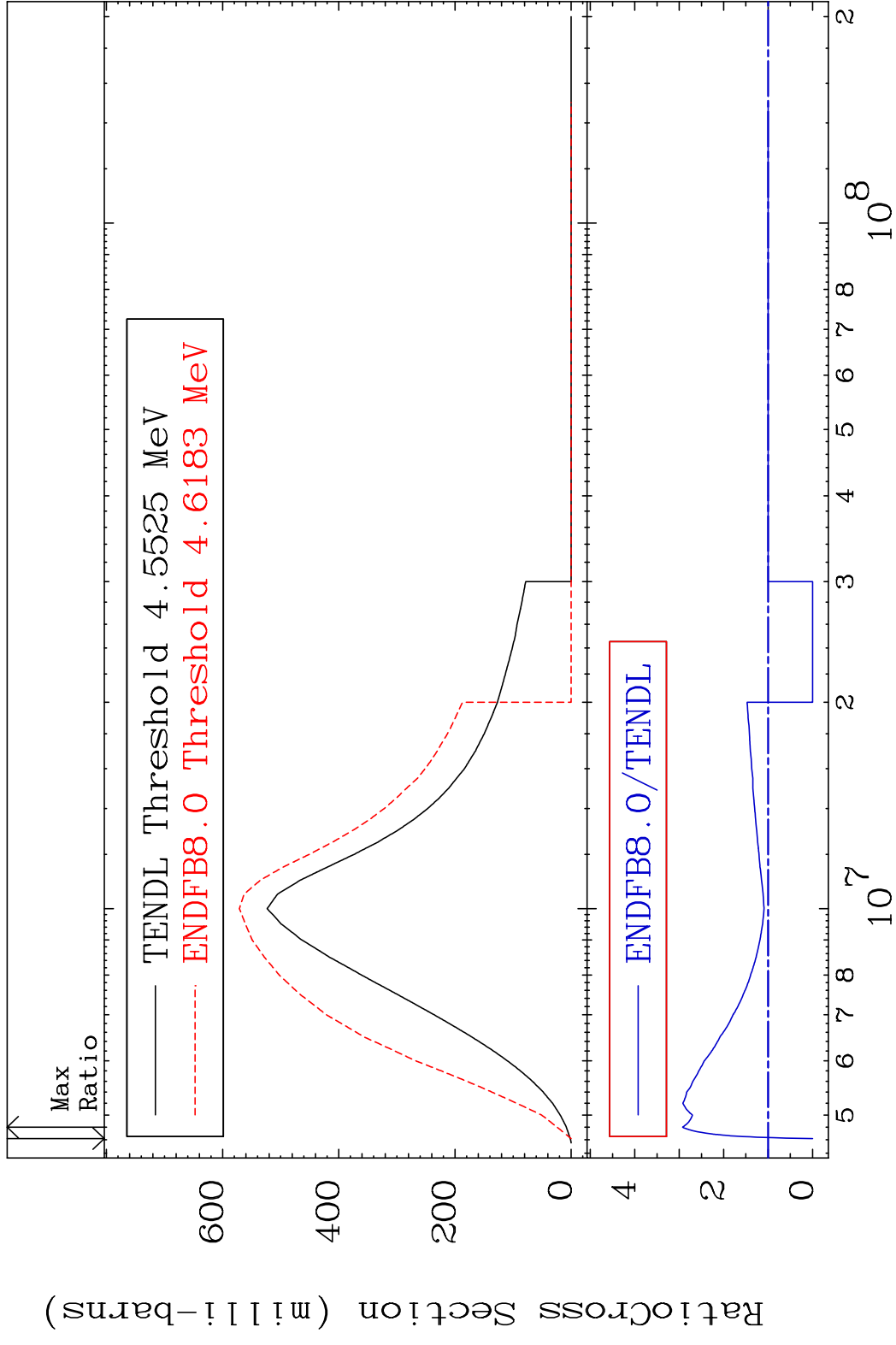
MAT 2825 MT= 79 (n,n') Level 28-Ni-58
 Cross Section -100.0 To 3379. %



MAT 2825 MT= 80 (n, n') Level 28-Ni-58
 Cross Section -100.0 To 1942. %



MAT 2825 (n,n') Continuum 28-Ni-58
 Cross Section -100.0 To 192.9 %



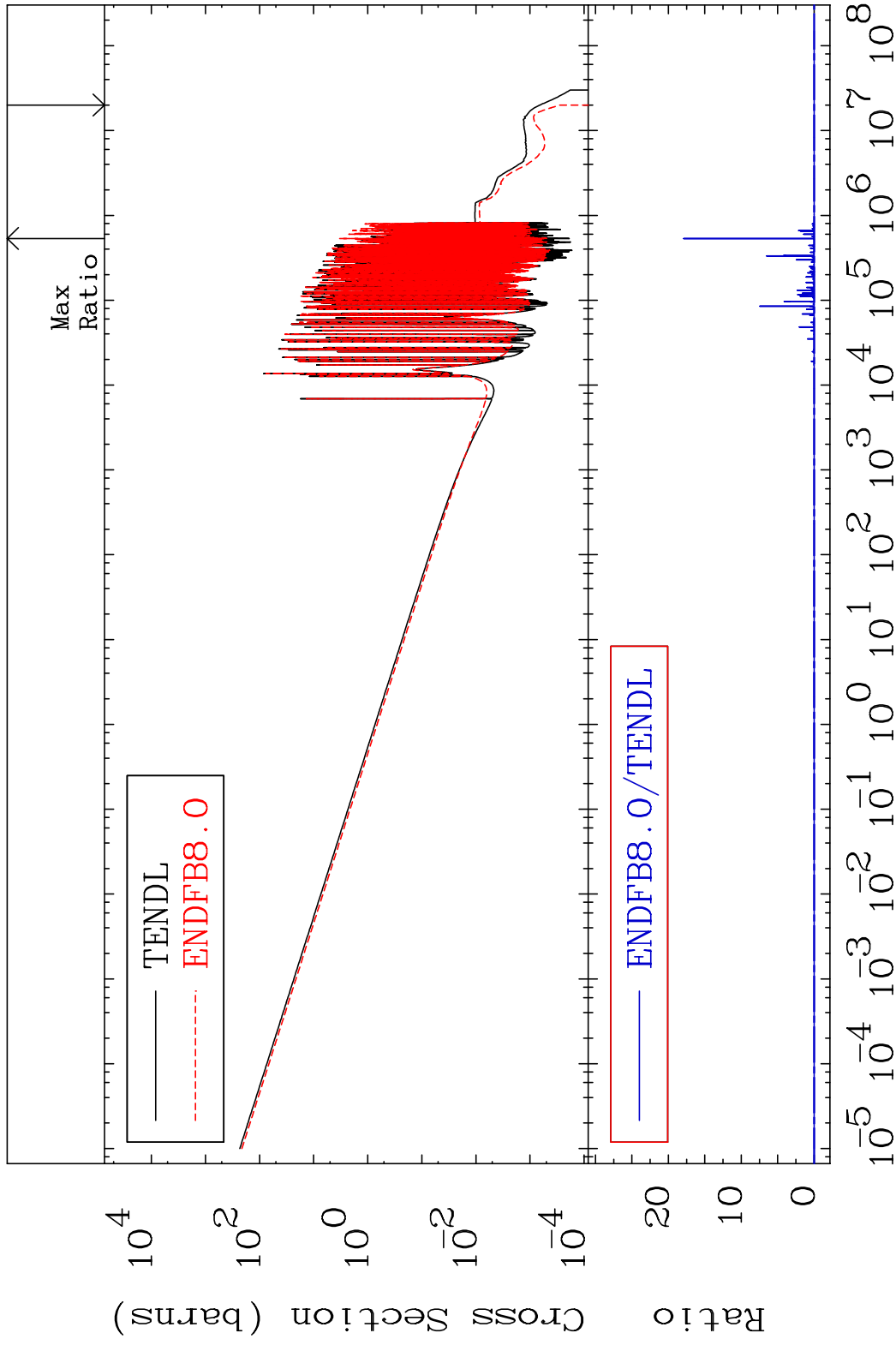
38 Incident Energy (eV) 28-Ni-58

MAT 2825

(n, γ)

28-Ni-58

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

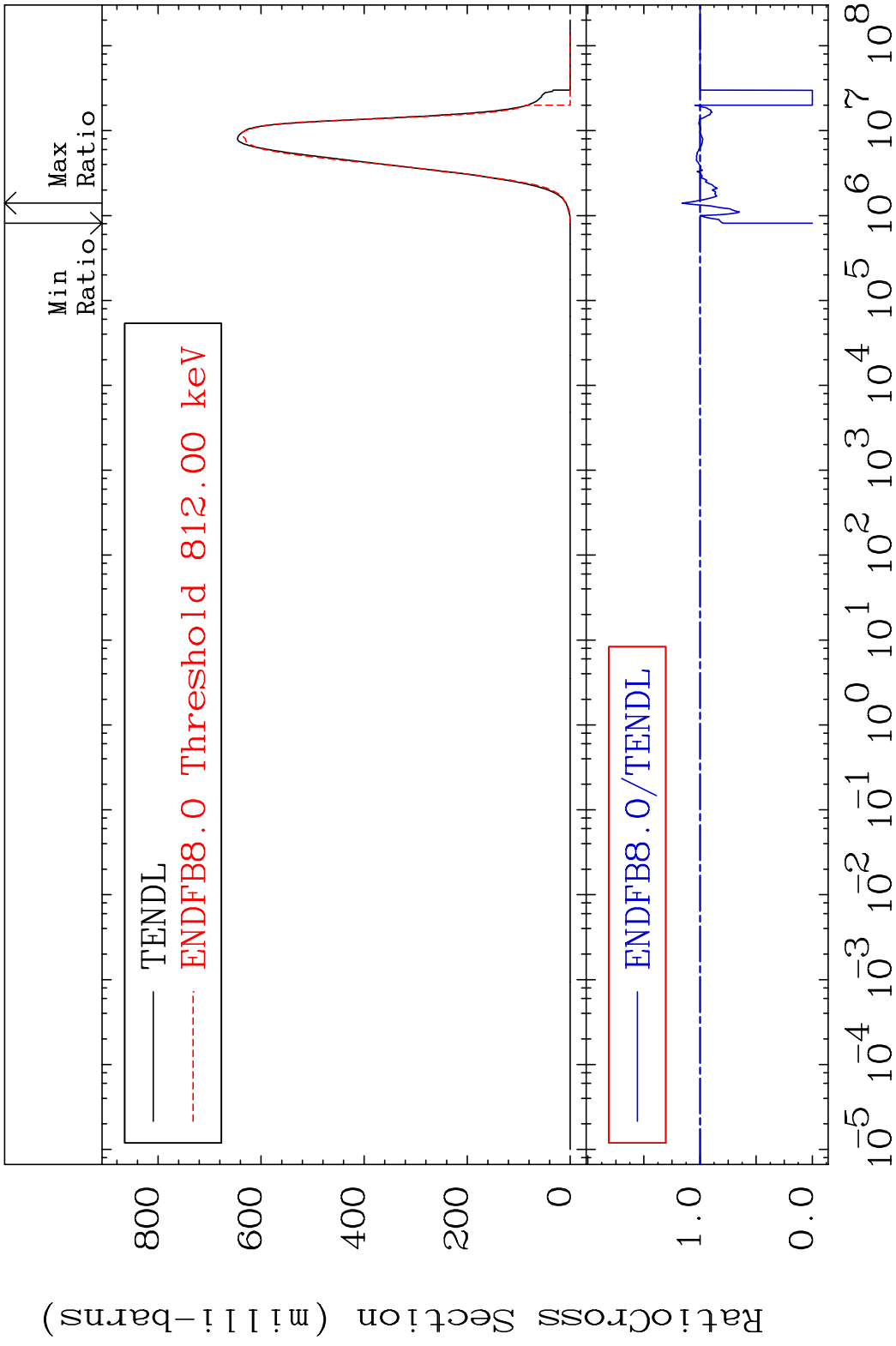
28-Ni-58

MAT 2825

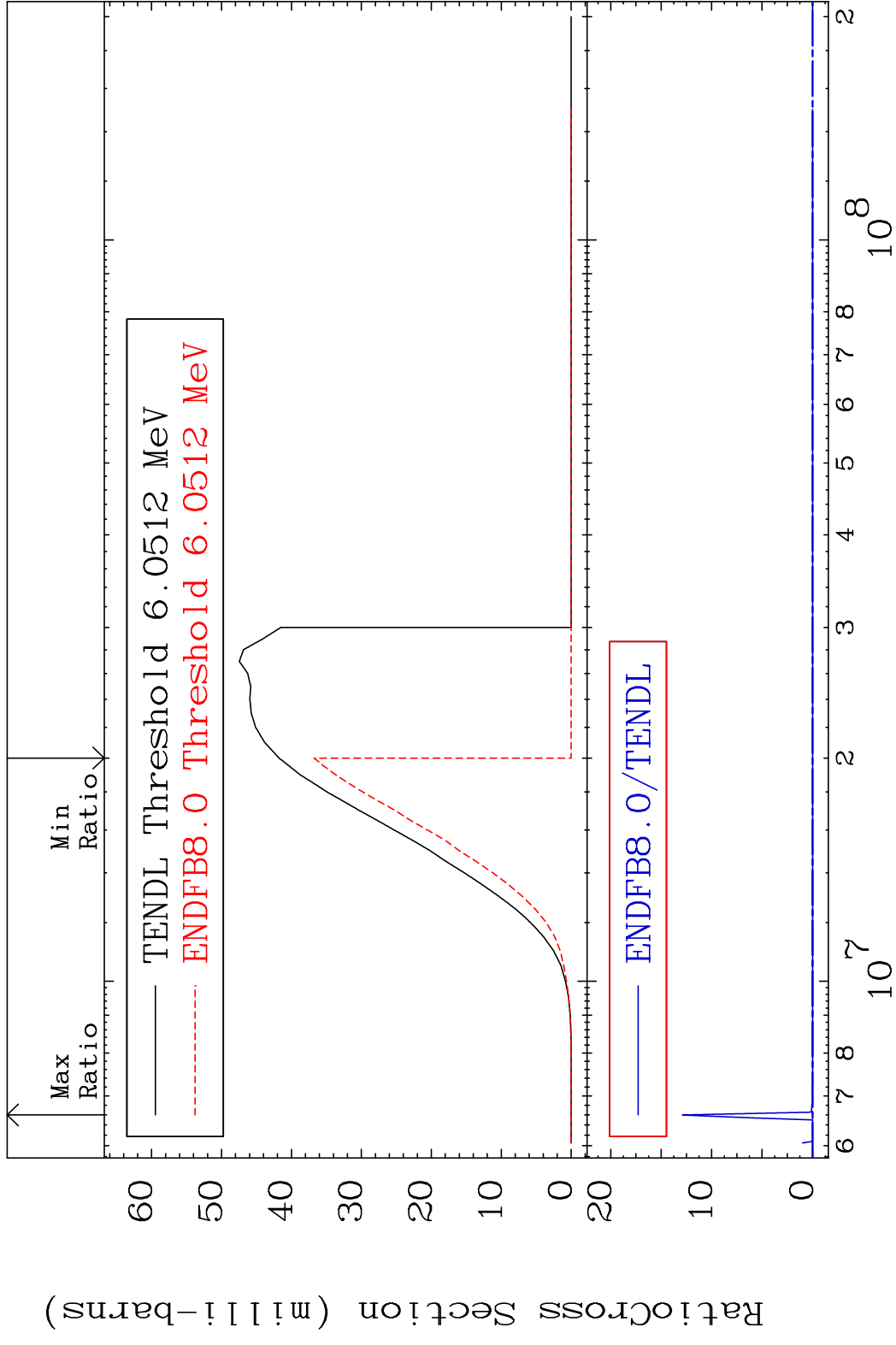
(n, p)

28-Ni-58

Cross Section -100.0 To 16.30 %

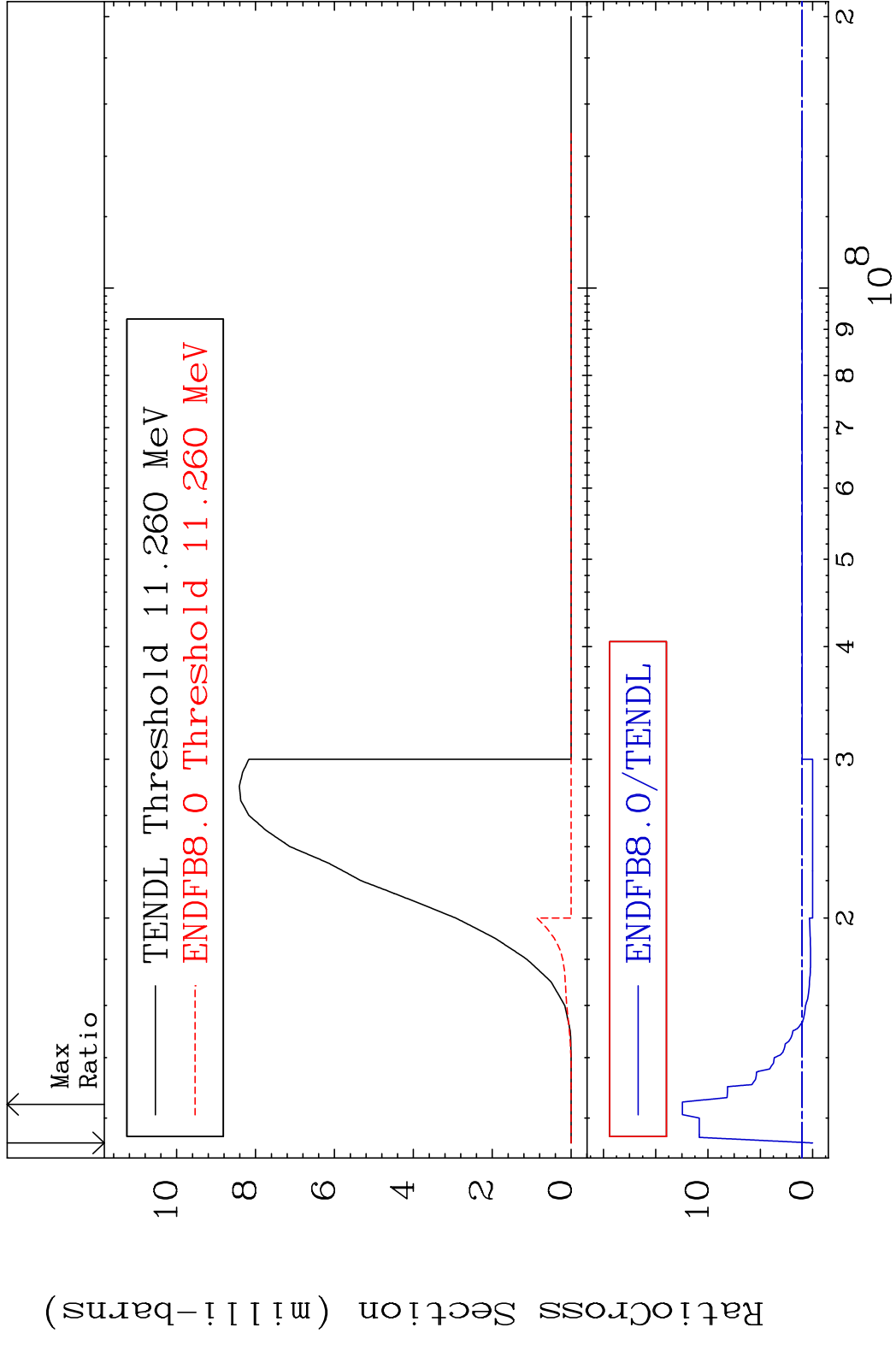


MAT 2825 (n,d) 28-Ni-58
 Cross Section -100.0 To 9999. %



41 Incident Energy (eV) 28-Ni-58

MAT 2825 (n, t) 28-Ni-58
 Cross Section -100.0 To 1145. %



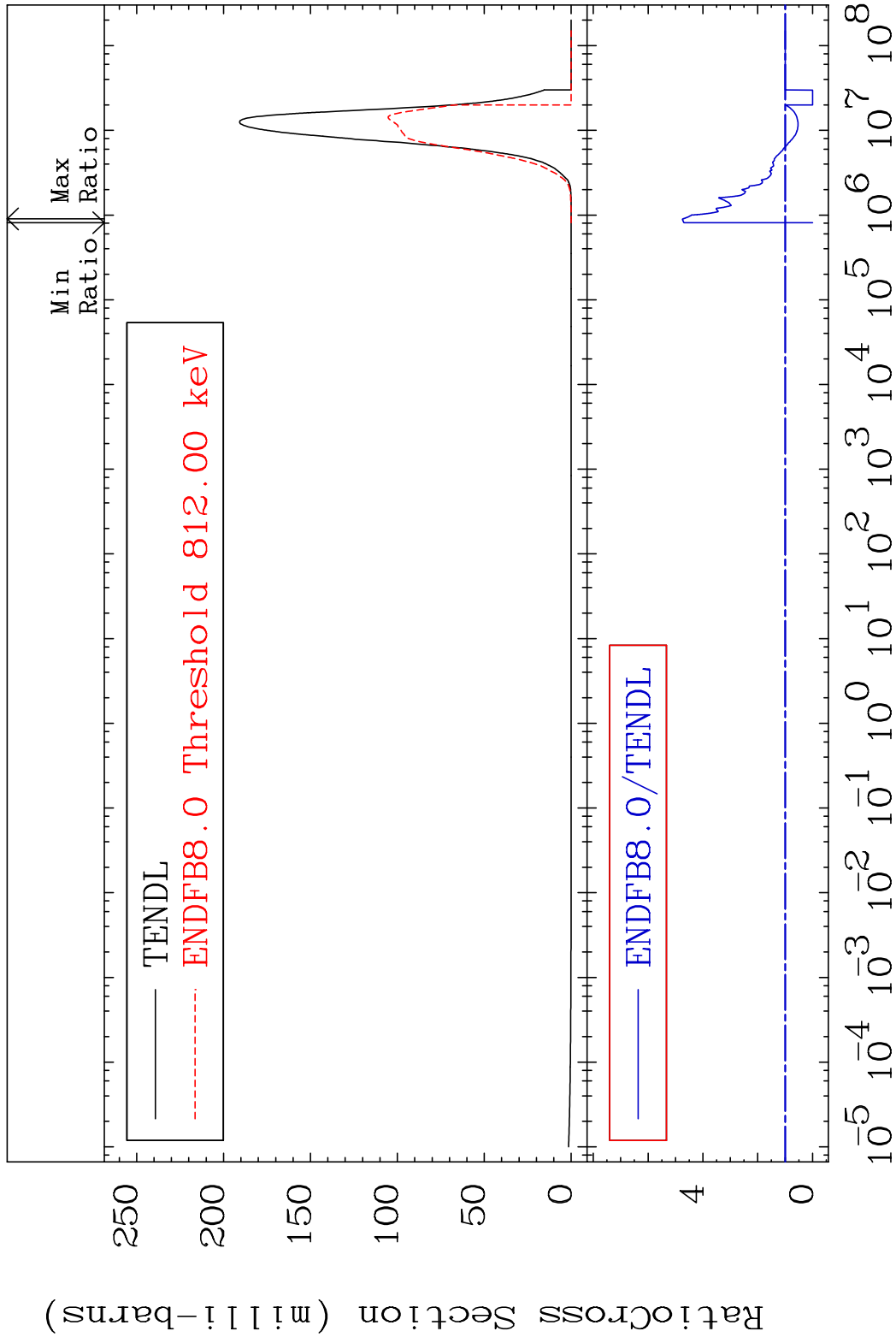
42 28-Ni-58

MAT 2825

(n, α)

²⁸Ni-58

Cross Section -100.0 To 374.9 %

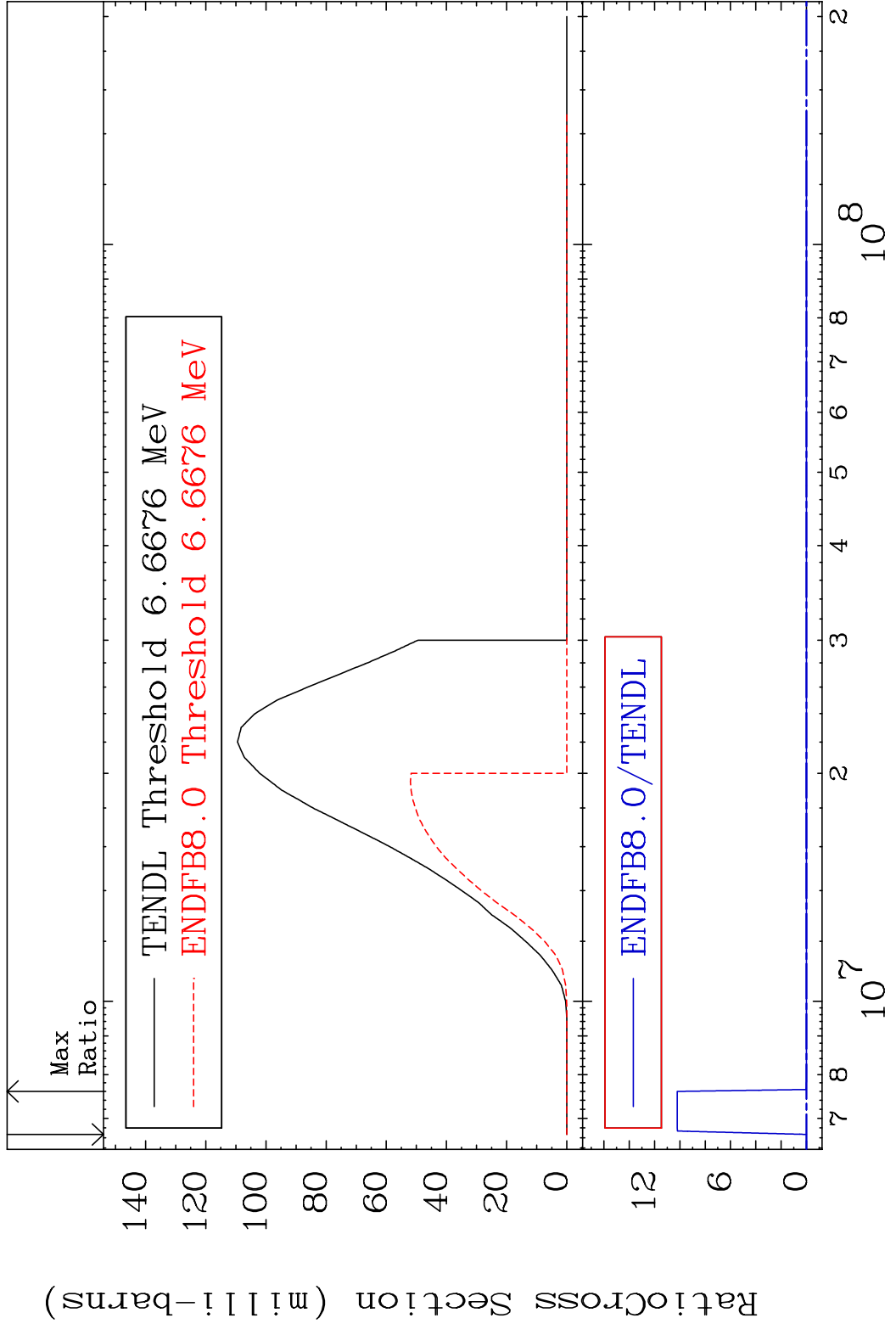


43

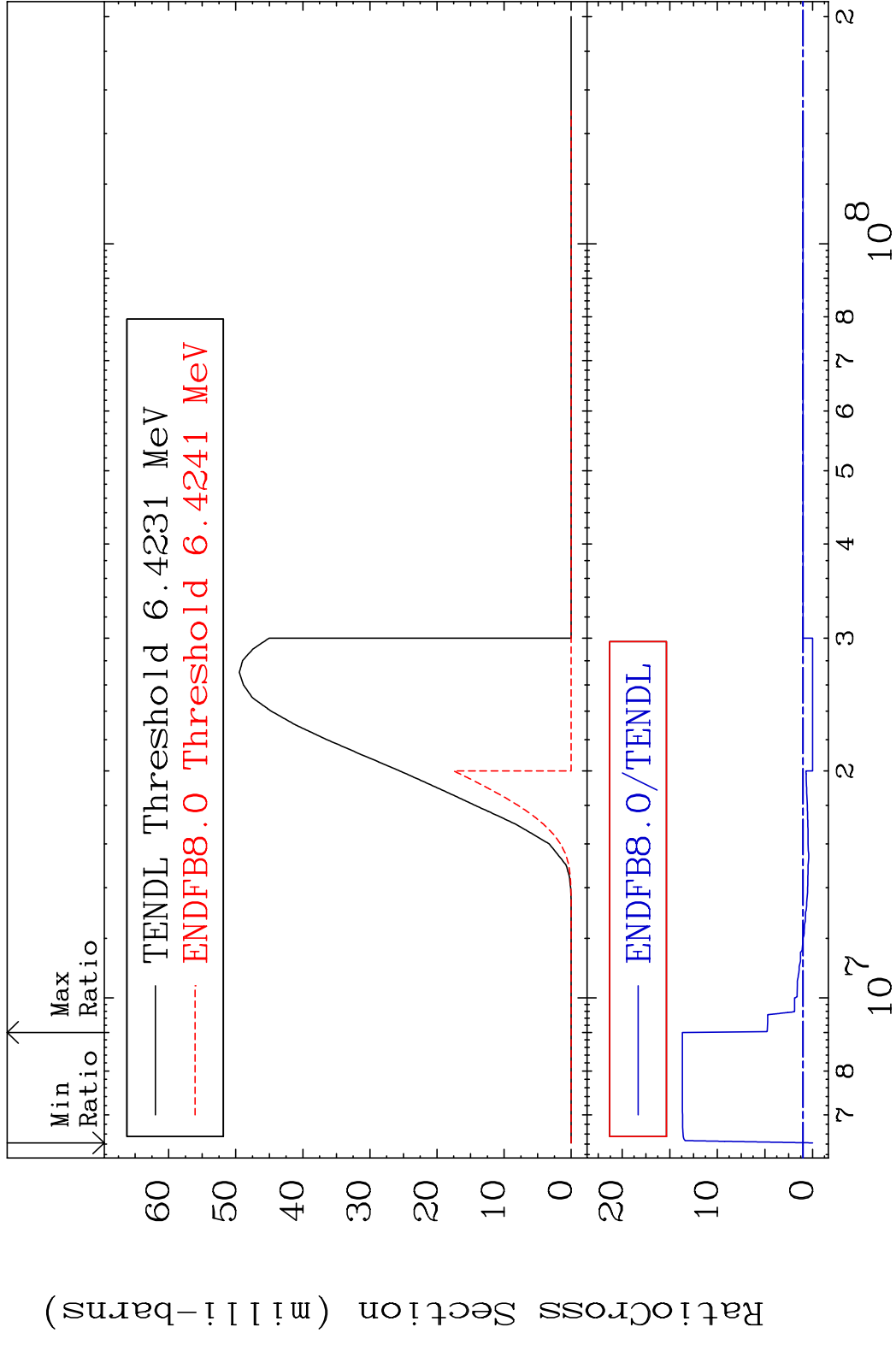
Incident Energy (eV)

²⁸Ni-58

MAT 2825 (n,2p) 28-Ni-58
 Cross Section -100.0 To 9999. %



MAT 2825 (n,p) α 28-Ni-58
 Cross Section -100.0 To 1267. %



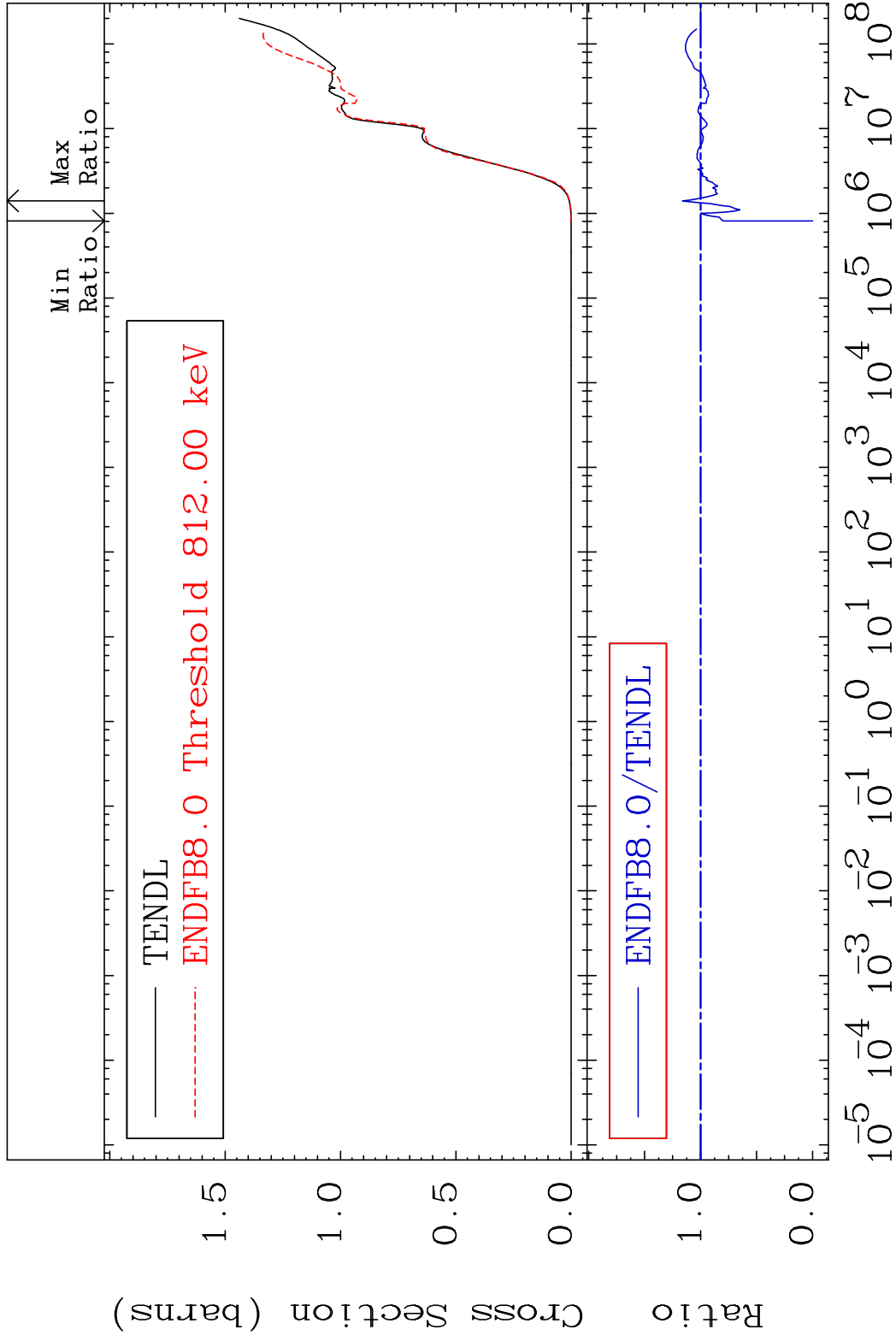
45 28-Ni-58

MAT 2825

Hydrogen Production

²⁸Ni-58

Cross Section -100.0 To 16.30 %

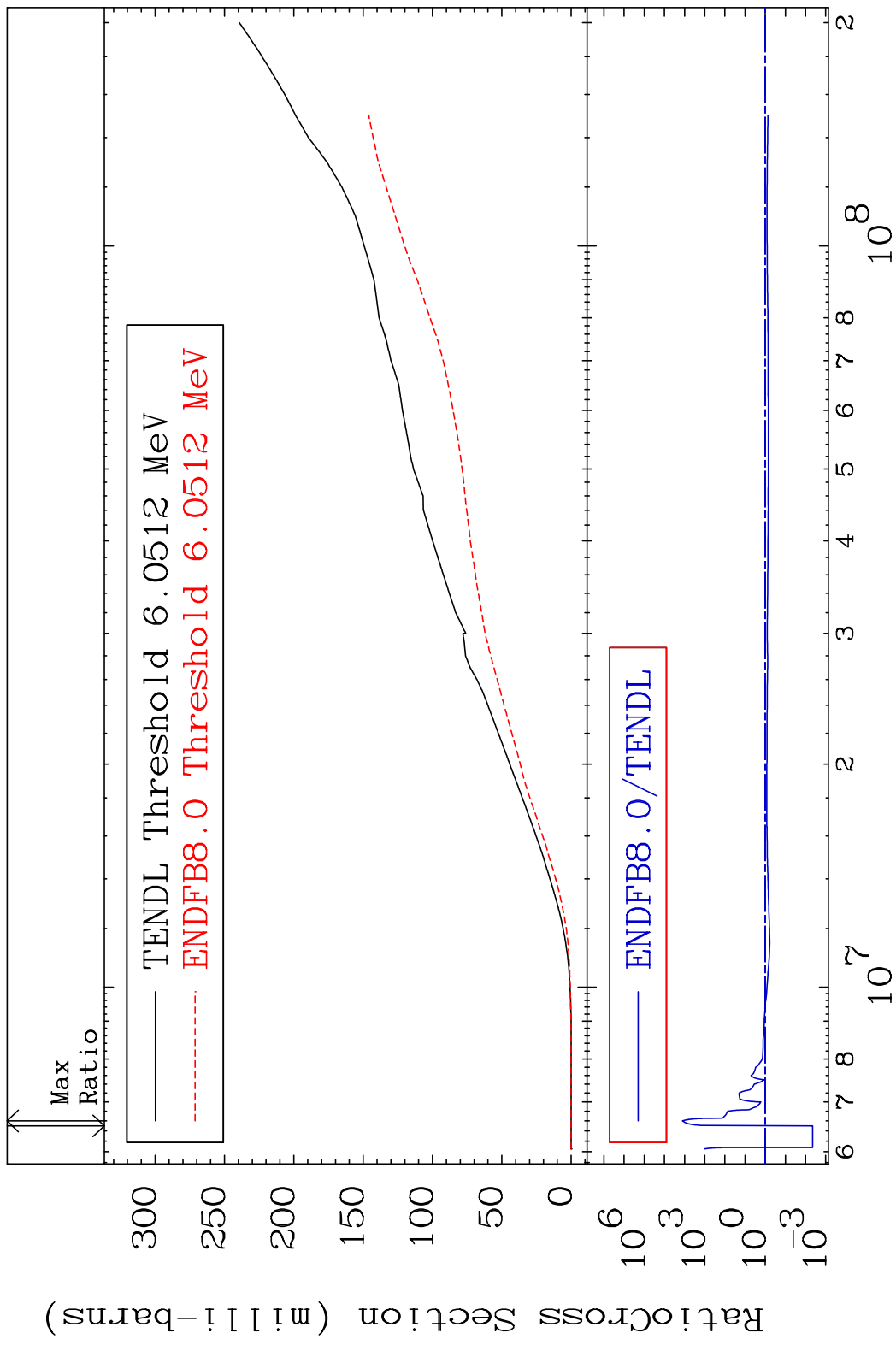


46

Incident Energy (eV)

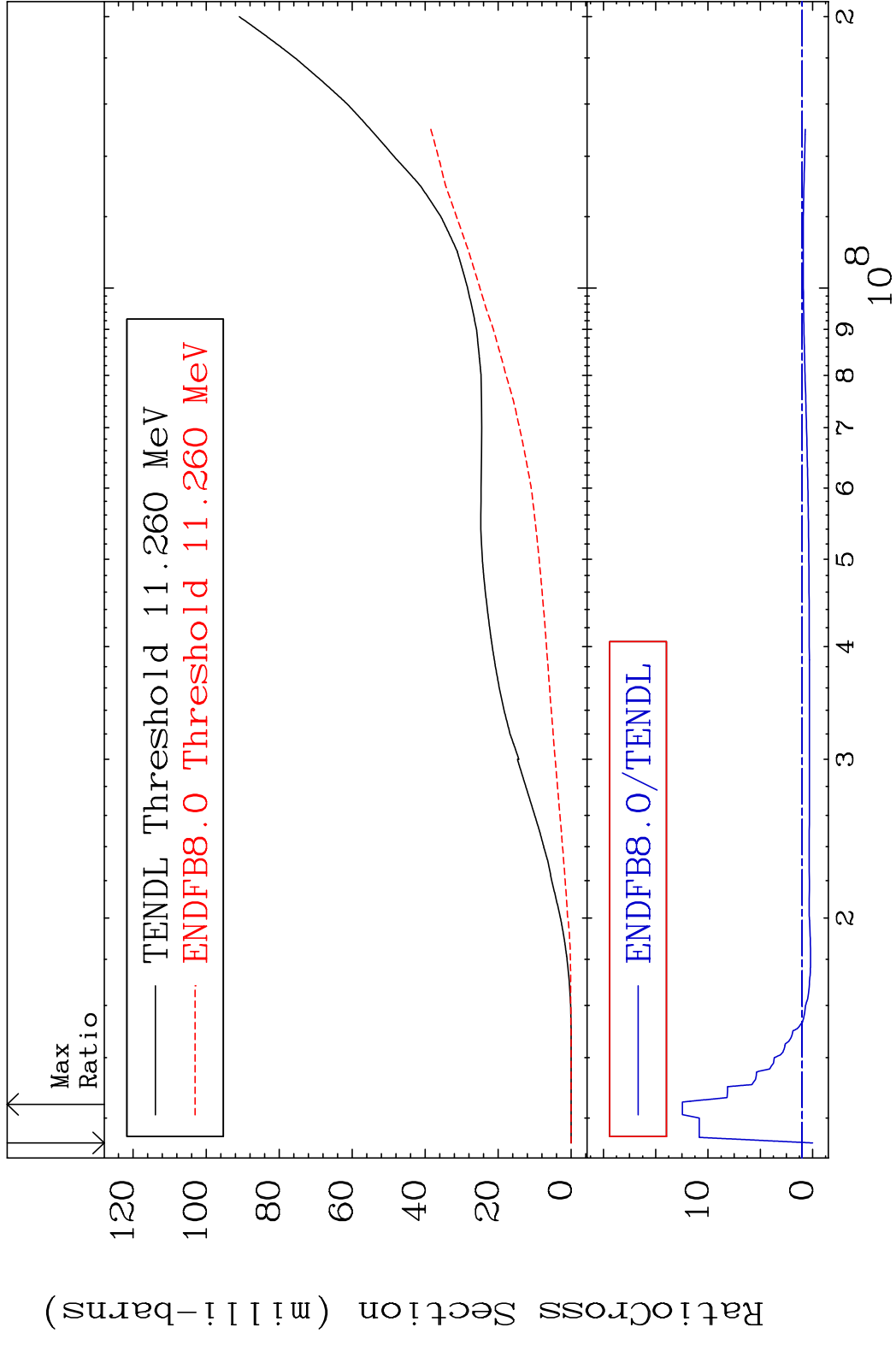
²⁸Ni-58

MAT 2825 Deuterium Production 28-Ni-58
 Cross Section -99.55 To 9999. %



47 Incident Energy (eV) 28-Ni-58

MAT 2825 Tritium Production 28-Ni-58
 Cross Section -100.0 To 1145. %



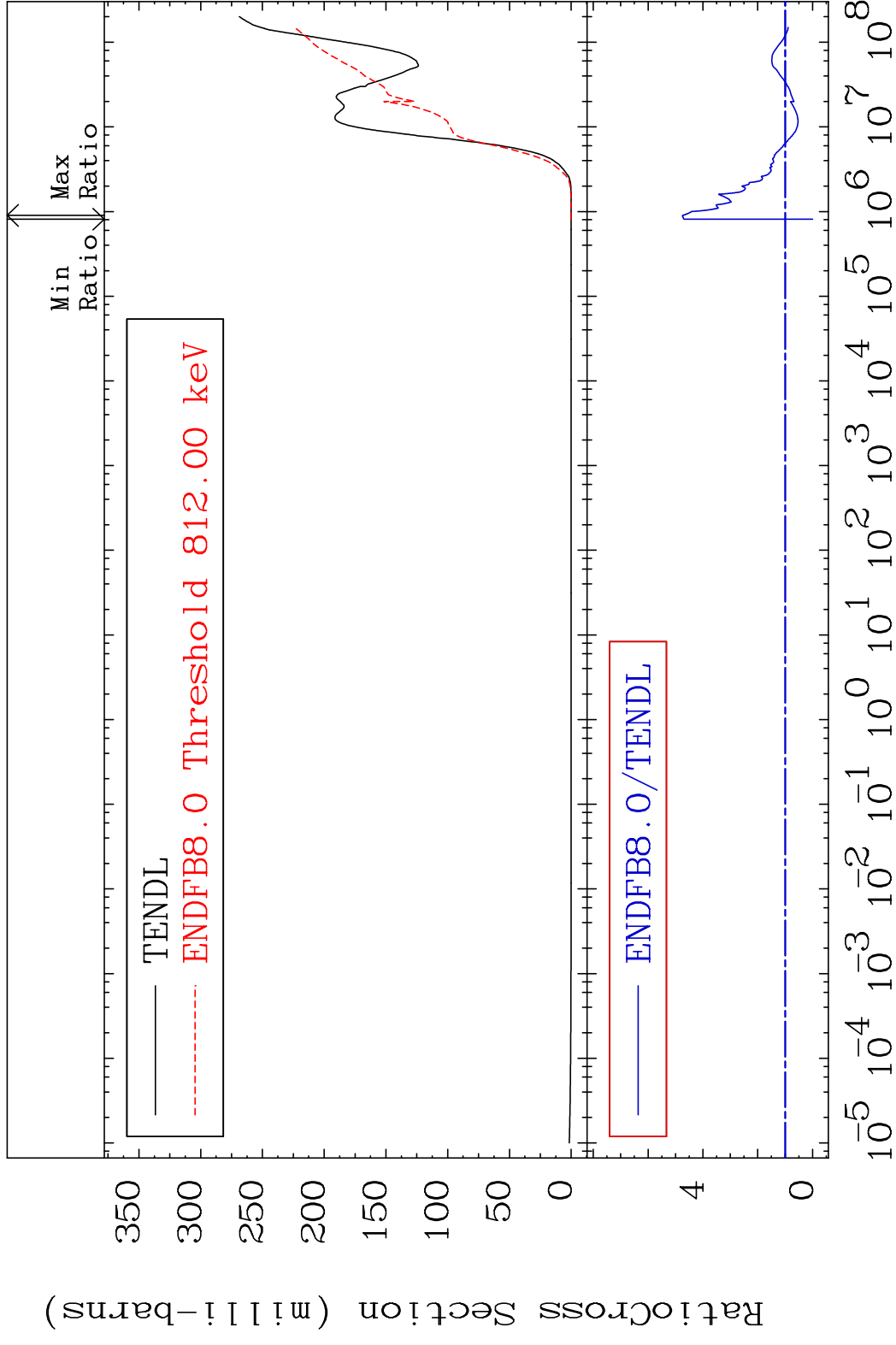
48 Incident Energy (eV) 28-Ni-58

MAT 2825

He-4 Production

²⁸Ni-58

Cross Section -100.0 To 374.9 %

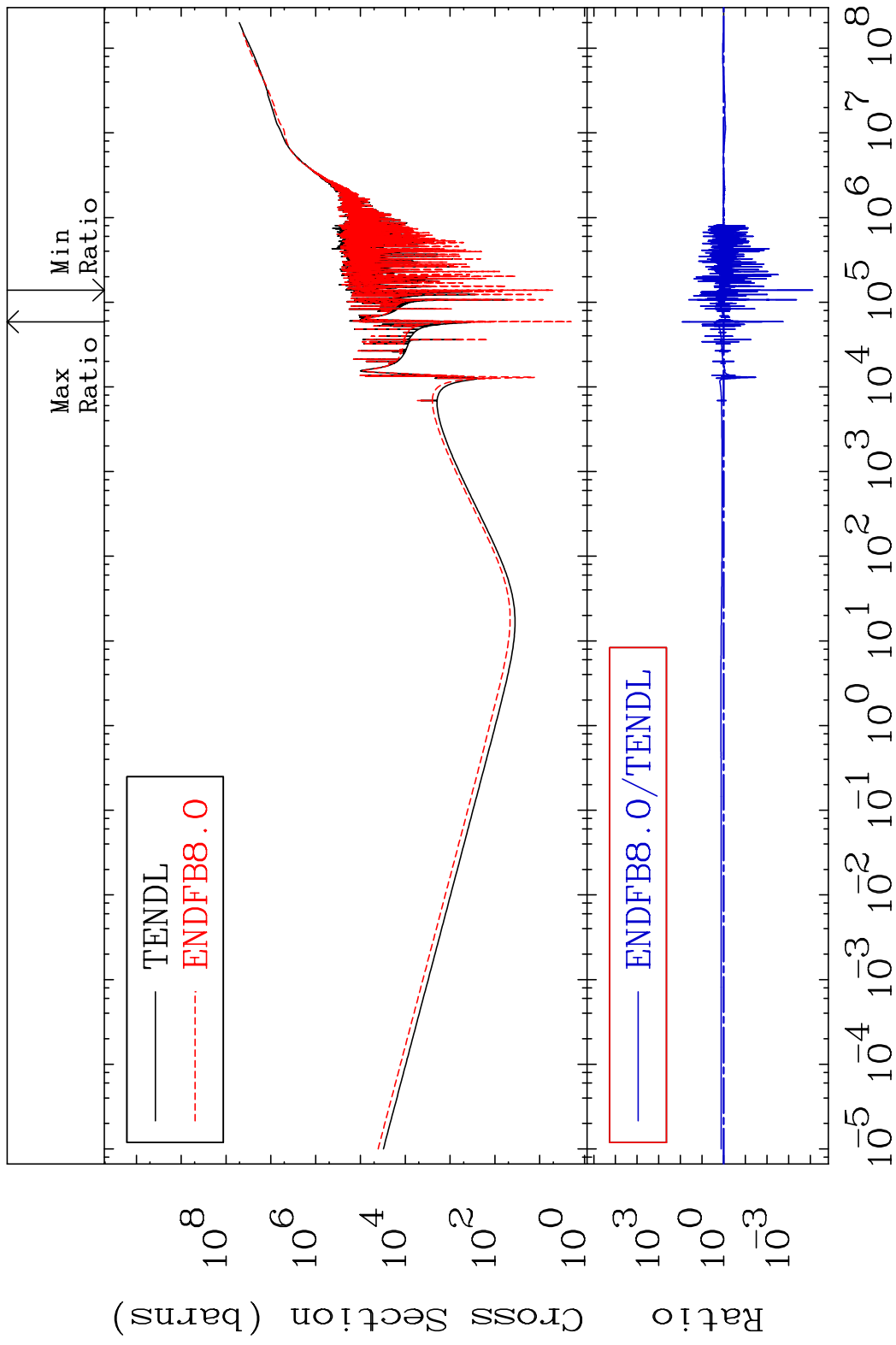


49

Incident Energy (eV)

²⁸Ni-58

MAT 2825 Kerma total (eV-barns) 28-Ni-58
 Cross Section -99.99 To 8020. %

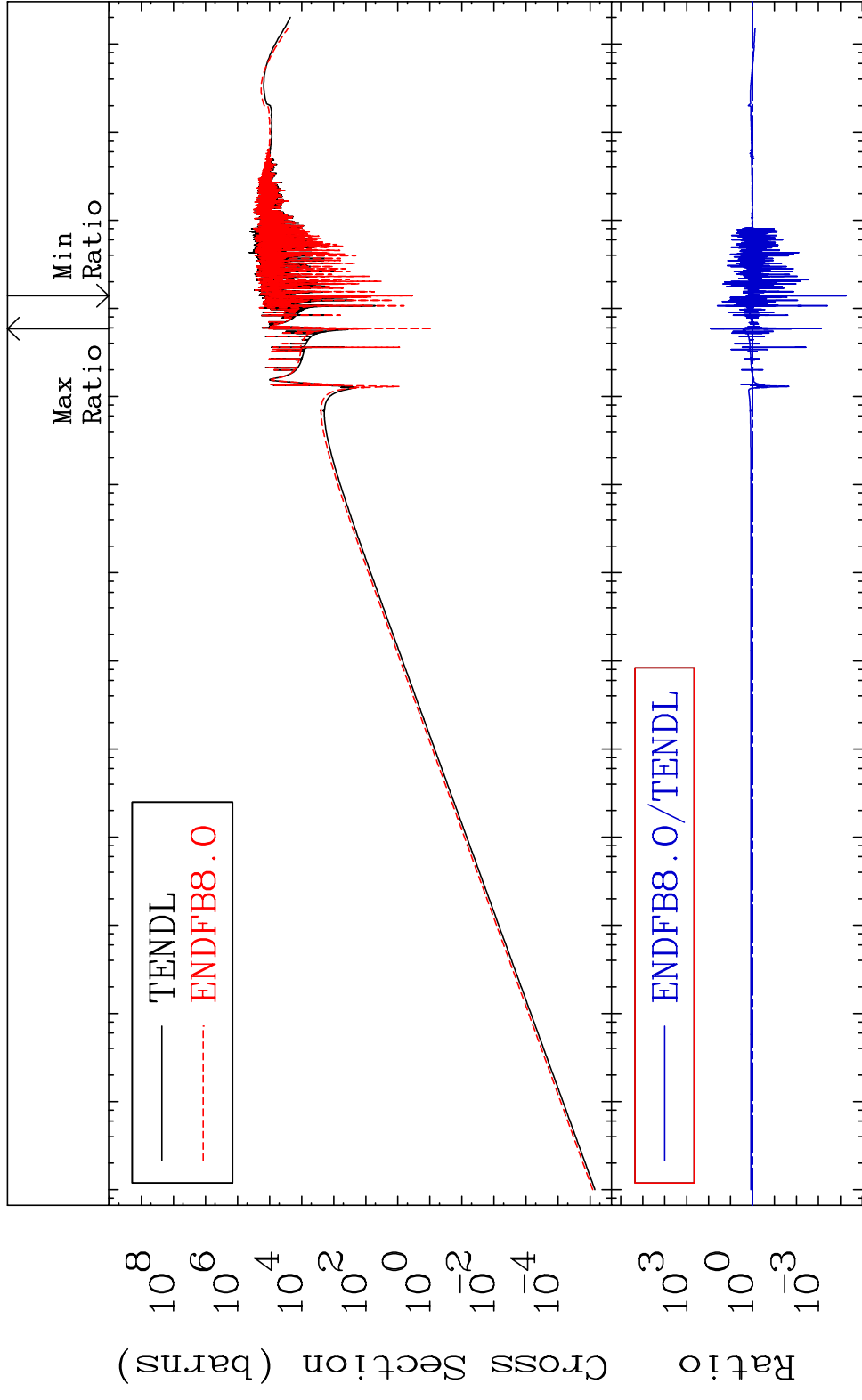


50 Incident Energy (eV) 28-Ni-58

MAT 2825

Kerma elastic
Cross Section

28-Ni-58
-99.99 To 7925. %

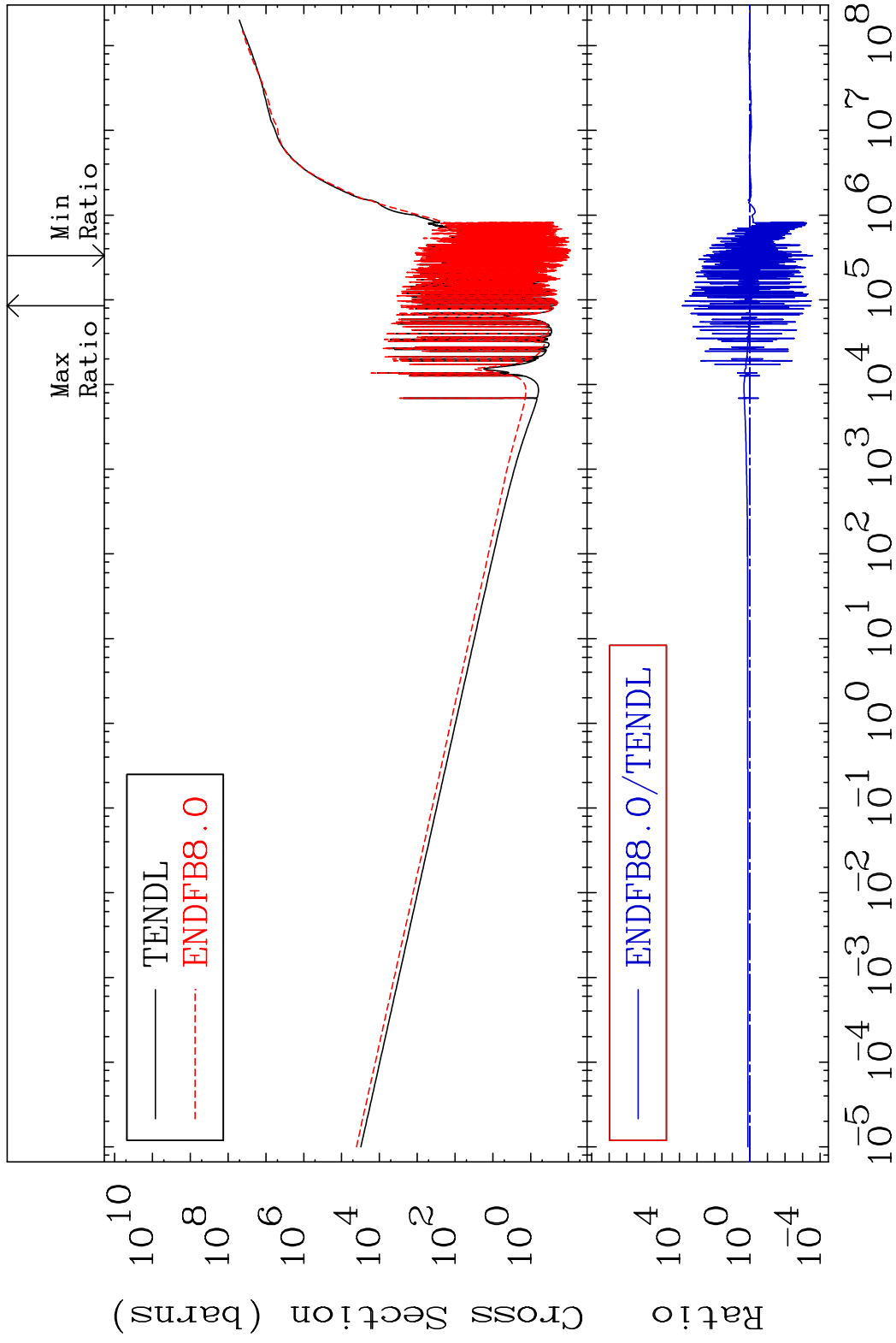


Ratio
10³
10⁰
10⁻³

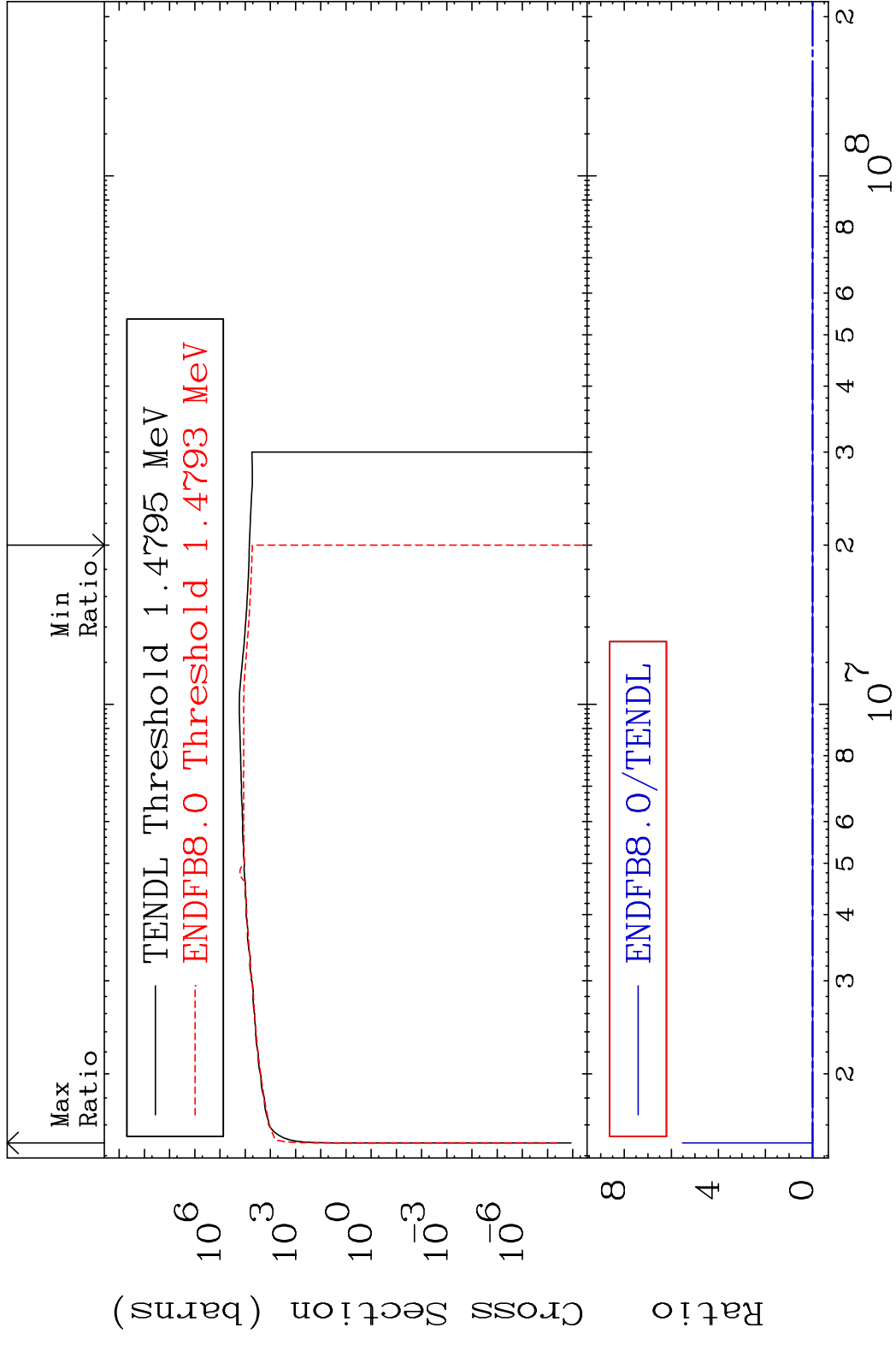
10⁸
10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴
10⁻⁶
10⁻⁸

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

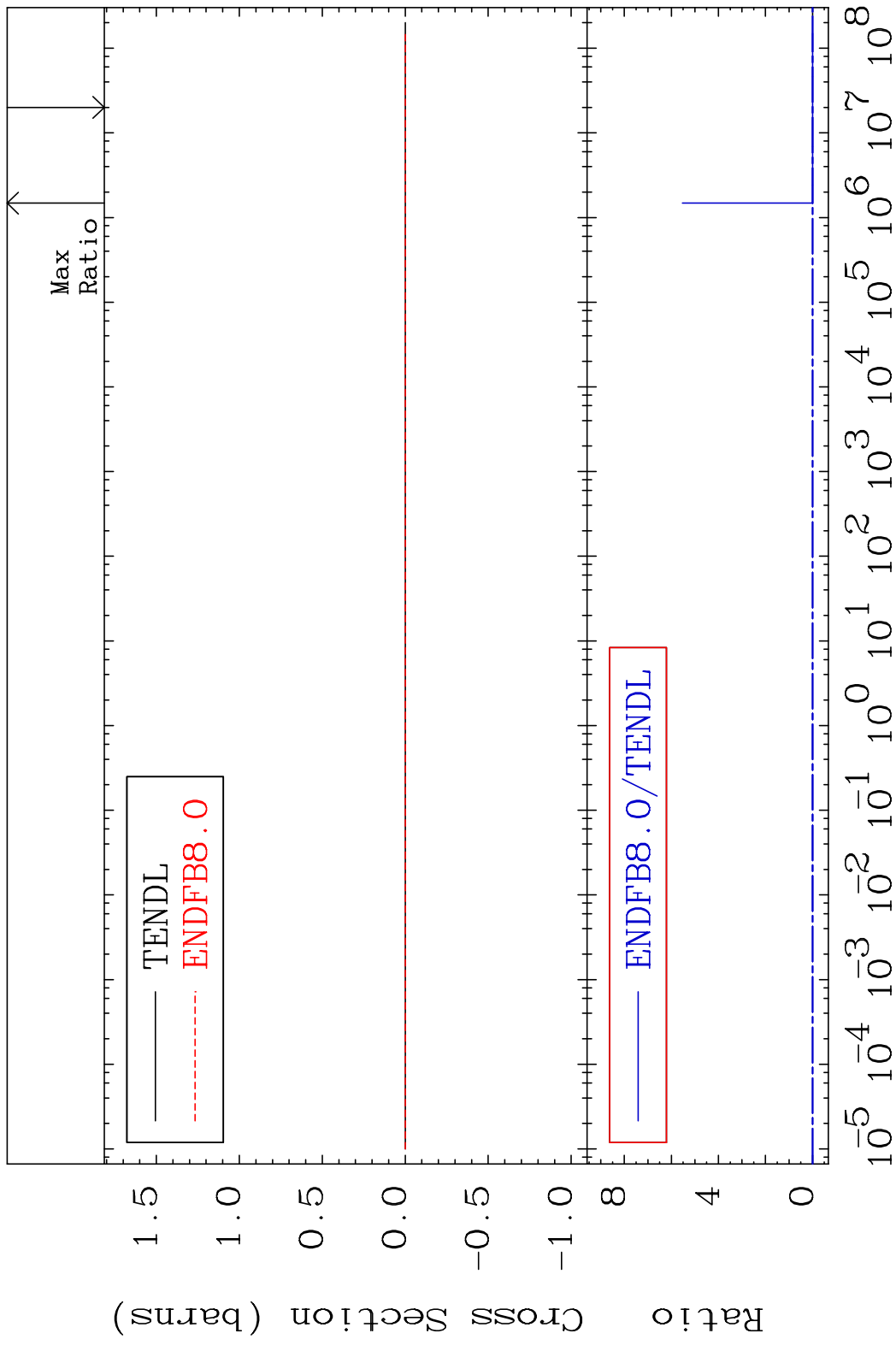
MAT 2825 Kerma non-elastic (all but mt2) 28-Ni-58
 Cross Section -99.97 To 9999. %



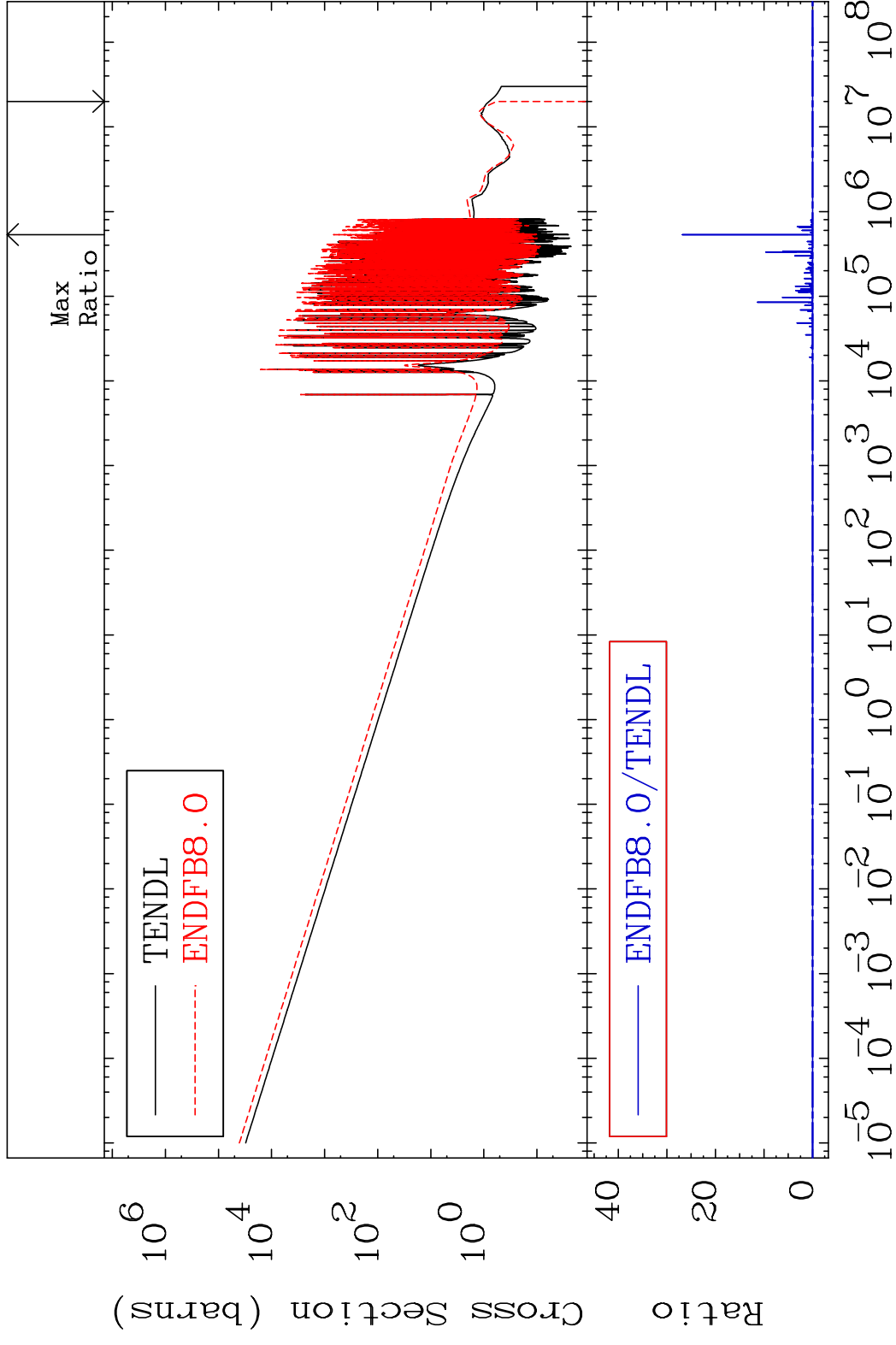
MAT 2825 Kerma inelastic (mt51-91) 28-Ni-58
 Cross Section -100.0 To 9999. %



MAT 2825 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-58
 Cross Section -100.0 To 9999. %

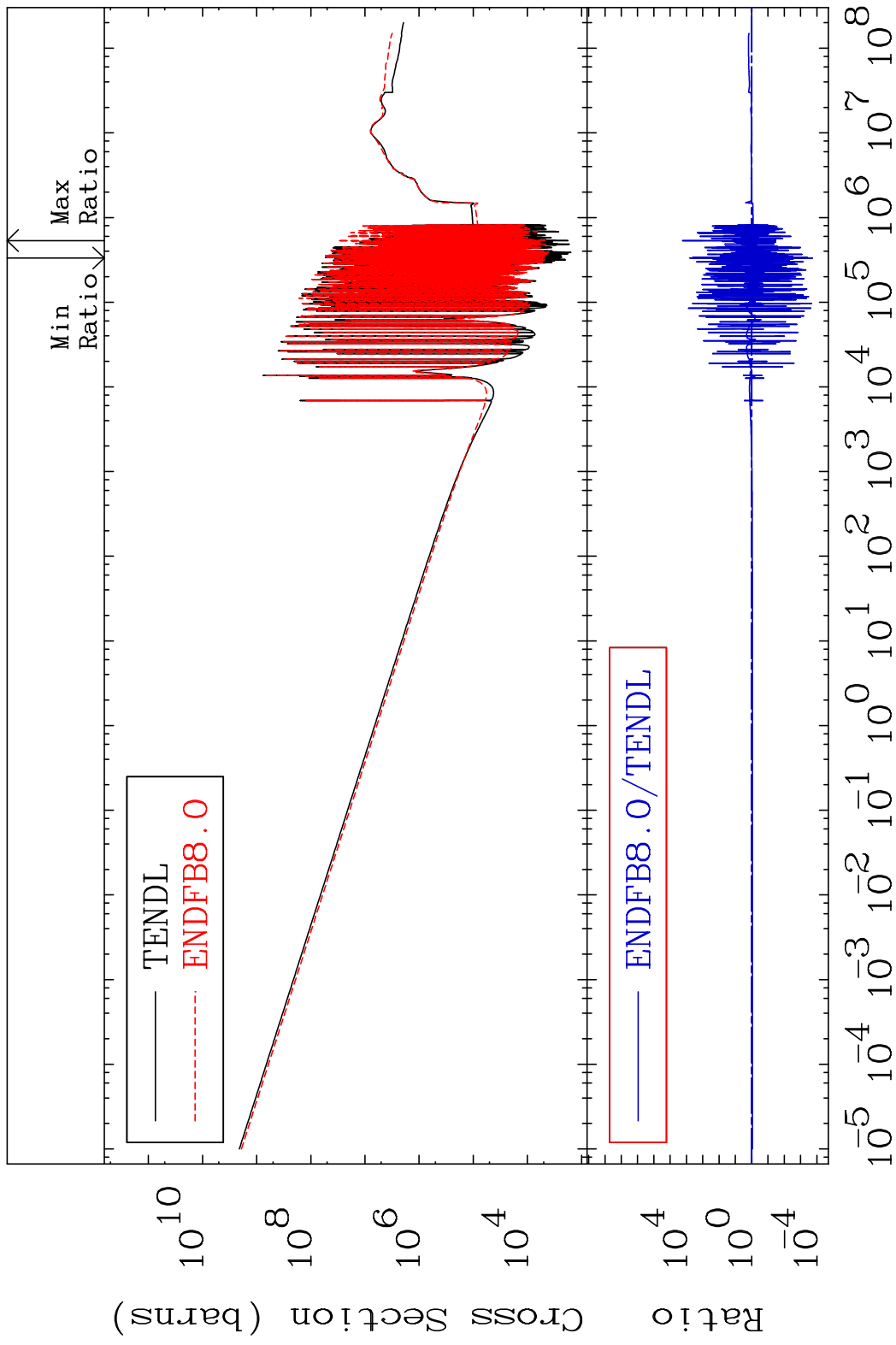


MAT 2825 Kerma capture (mt102) 28-Ni-58
Cross Section -100.0 To 9999. %



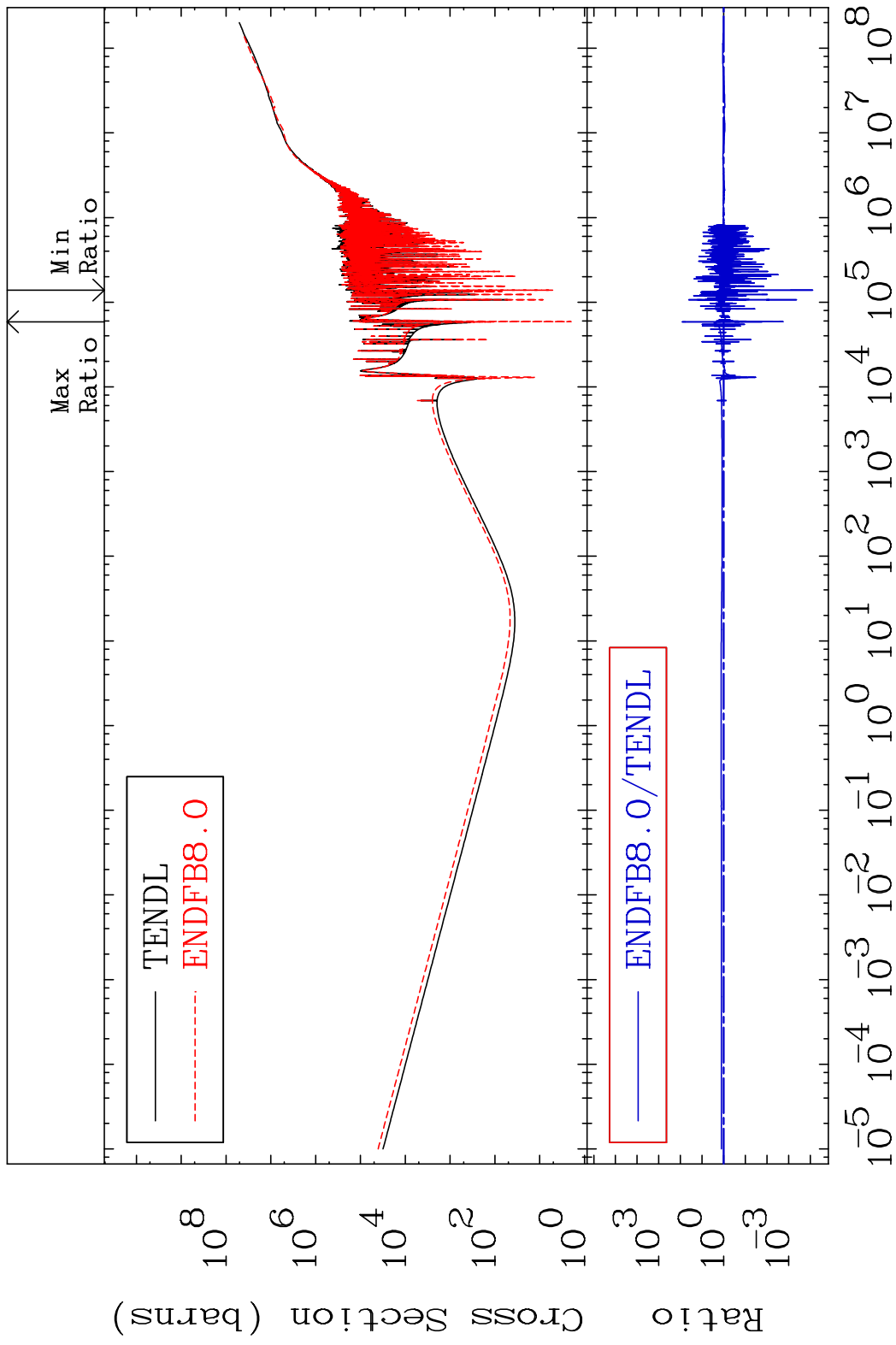
55 Incident Energy (eV) 28-Ni-58

MAT 2825 Total photon (eV-barns) 28-Ni-58
 Cross Section -99.98 To 9999. %

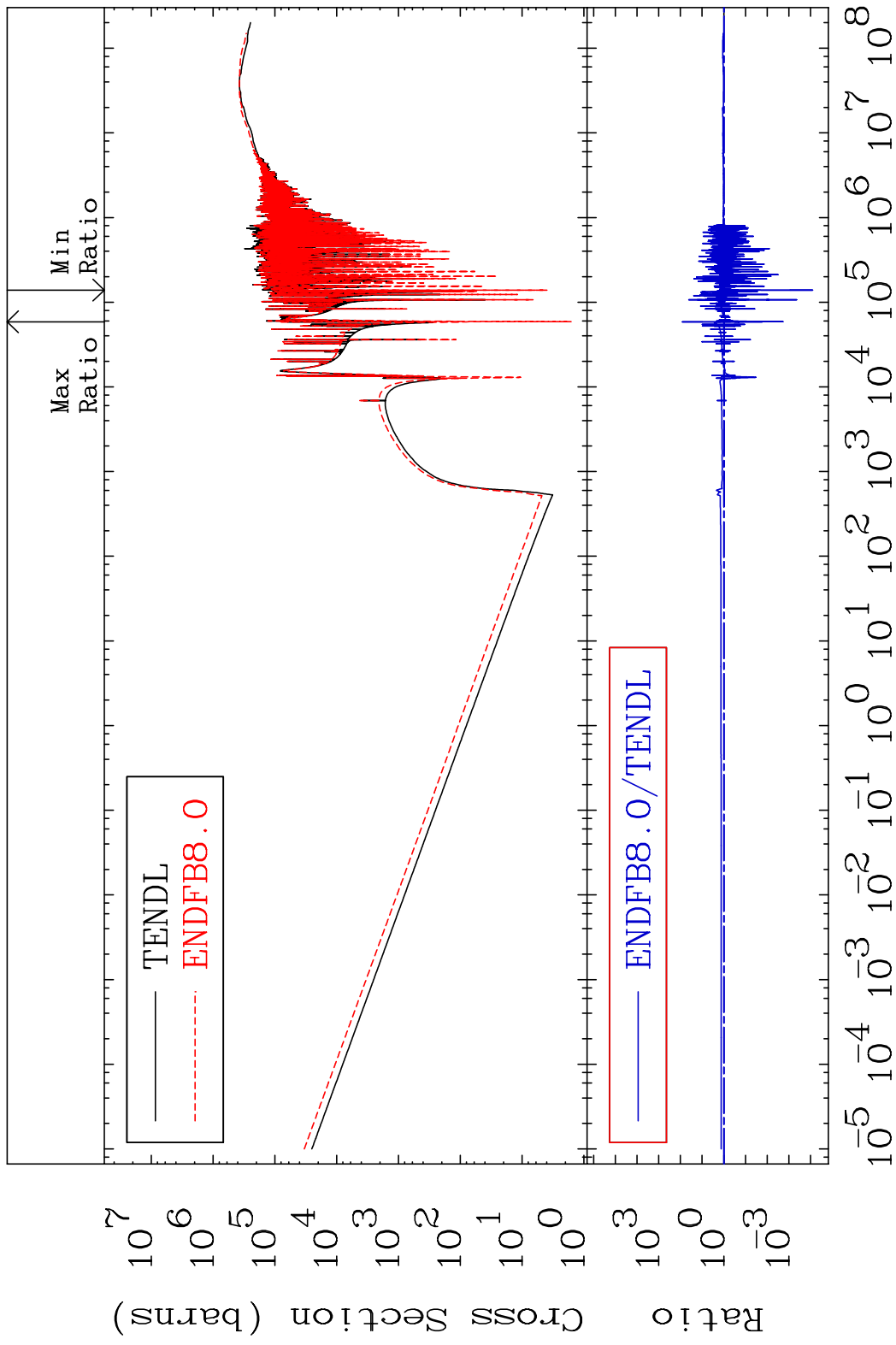


56 Incident Energy (eV) 28-Ni-58

MAT 2825 Total kinematic kerma (high limit) 28-Ni-58
 Cross Section -99.99 To 8020. %



MAT 2825 Dpa total (eV-barns) 28-Ni-58
 Cross Section -99.99 To 8037. %



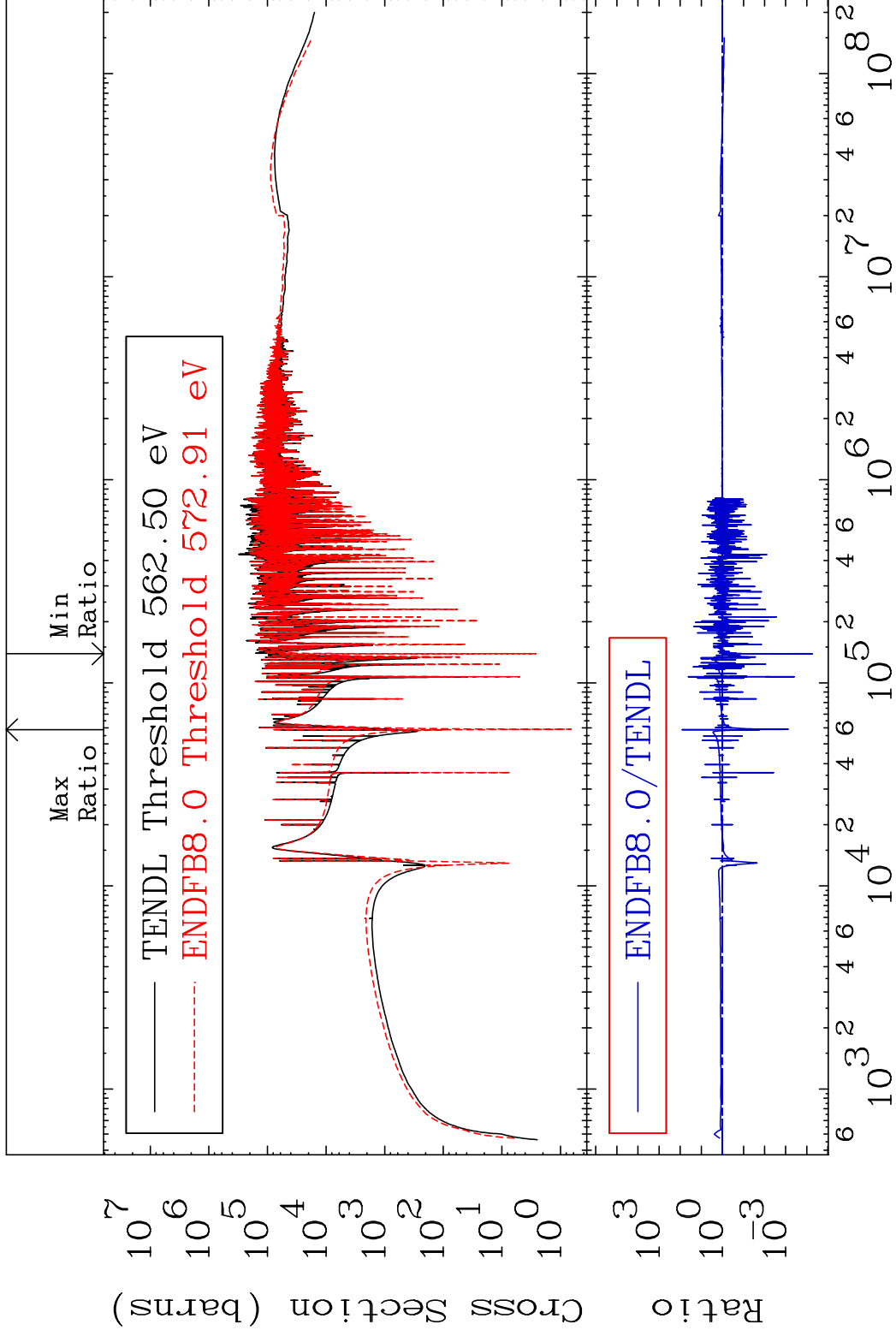
58 Incident Energy (eV) 28-Ni-58

MAT 2825

Dpa elastic (mt2)

28-Ni-58

Cross Section -99.99 To 7934. %

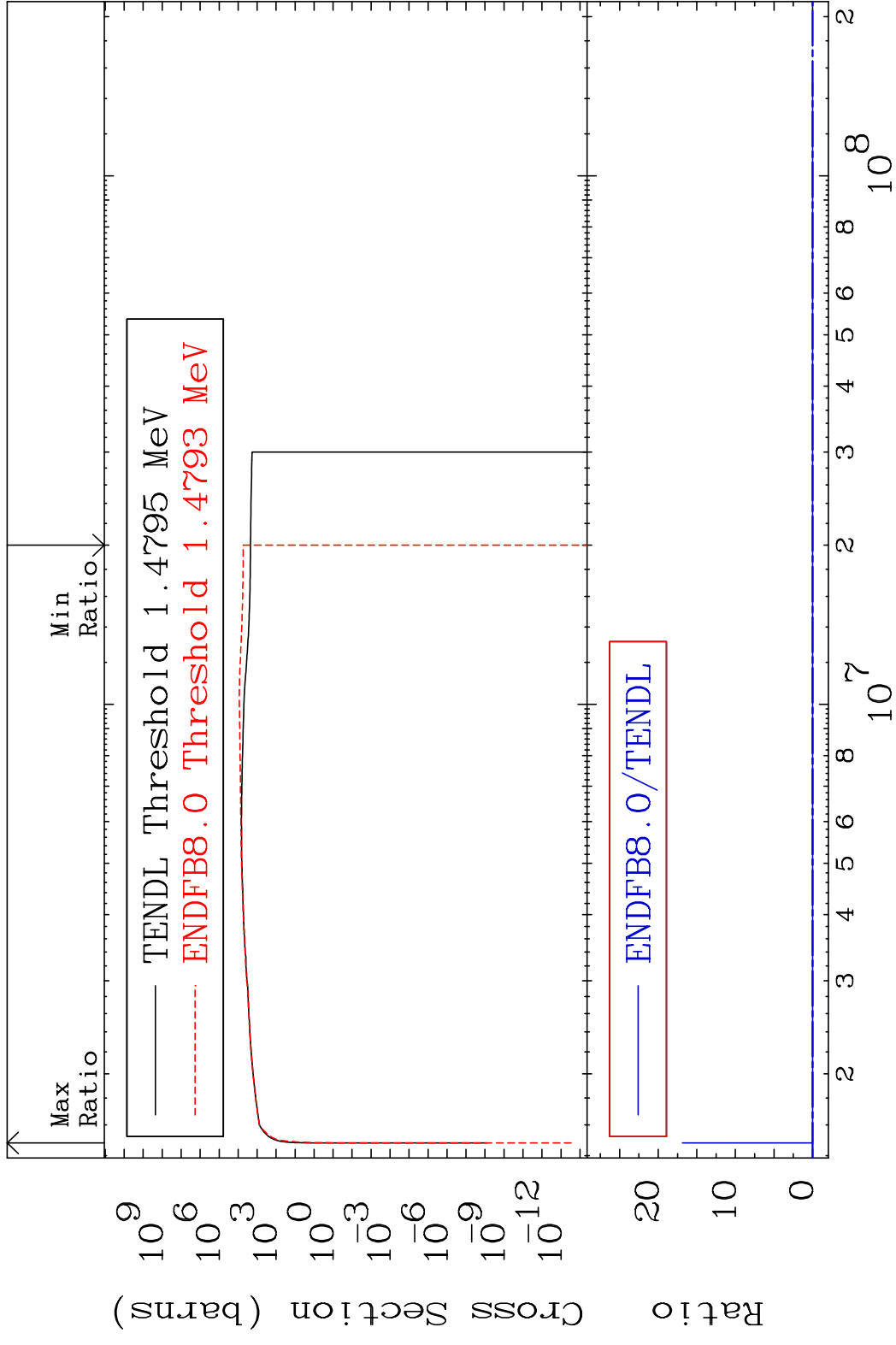


59

Incident Energy (eV)

28-Ni-58

MAT 2825 Dpa inelastic (mt51-91) 28-Ni-58
 Cross Section -100.0 To 9999. %



60 Incident Energy (eV) 28-Ni-58

MAT 2825 Dpa disappearance (mt102 -120) 28-Ni-58
Cross Section -100.0 To 9999. %

