

Program Complot
(Version 2021-1)

by

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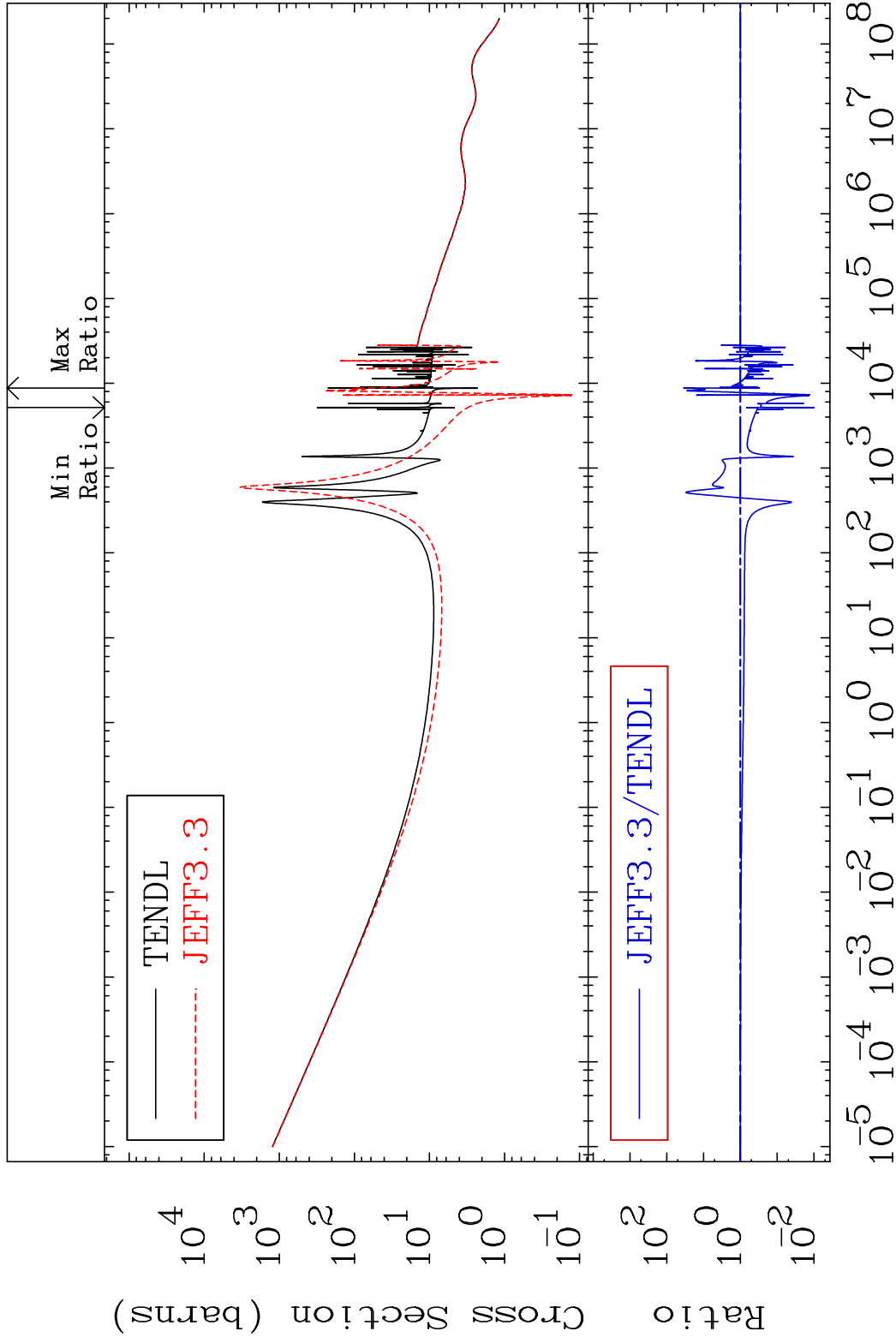
Press Mouse Button to Start

MAT 2840

Total

28-Ni-63

Cross Section -99.01 To 3373. %



1

Incident Energy (eV)

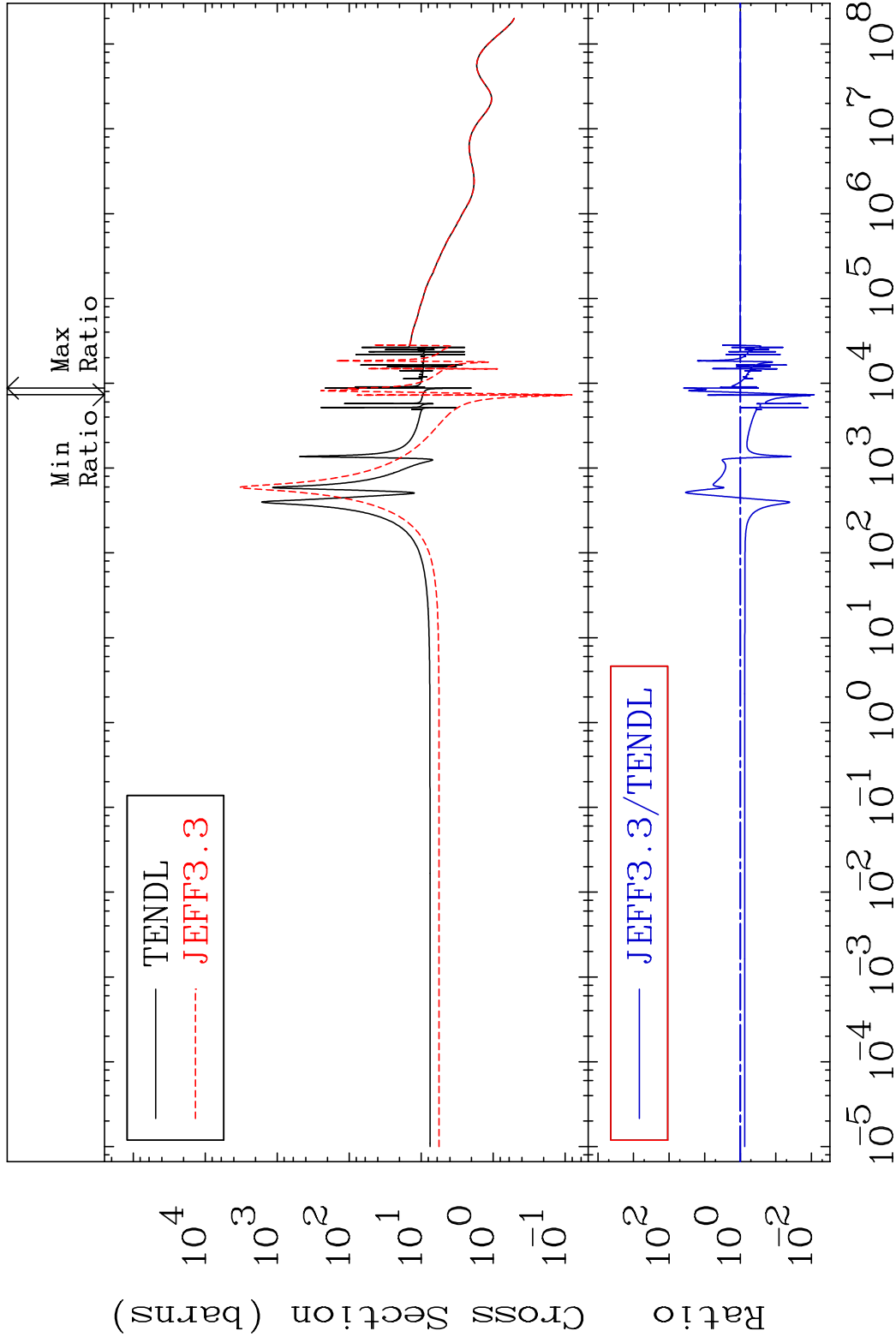
28-Ni-63

MAT 2840

Elastic

28-Ni-63

Cross Section -99.16 To 3799. %

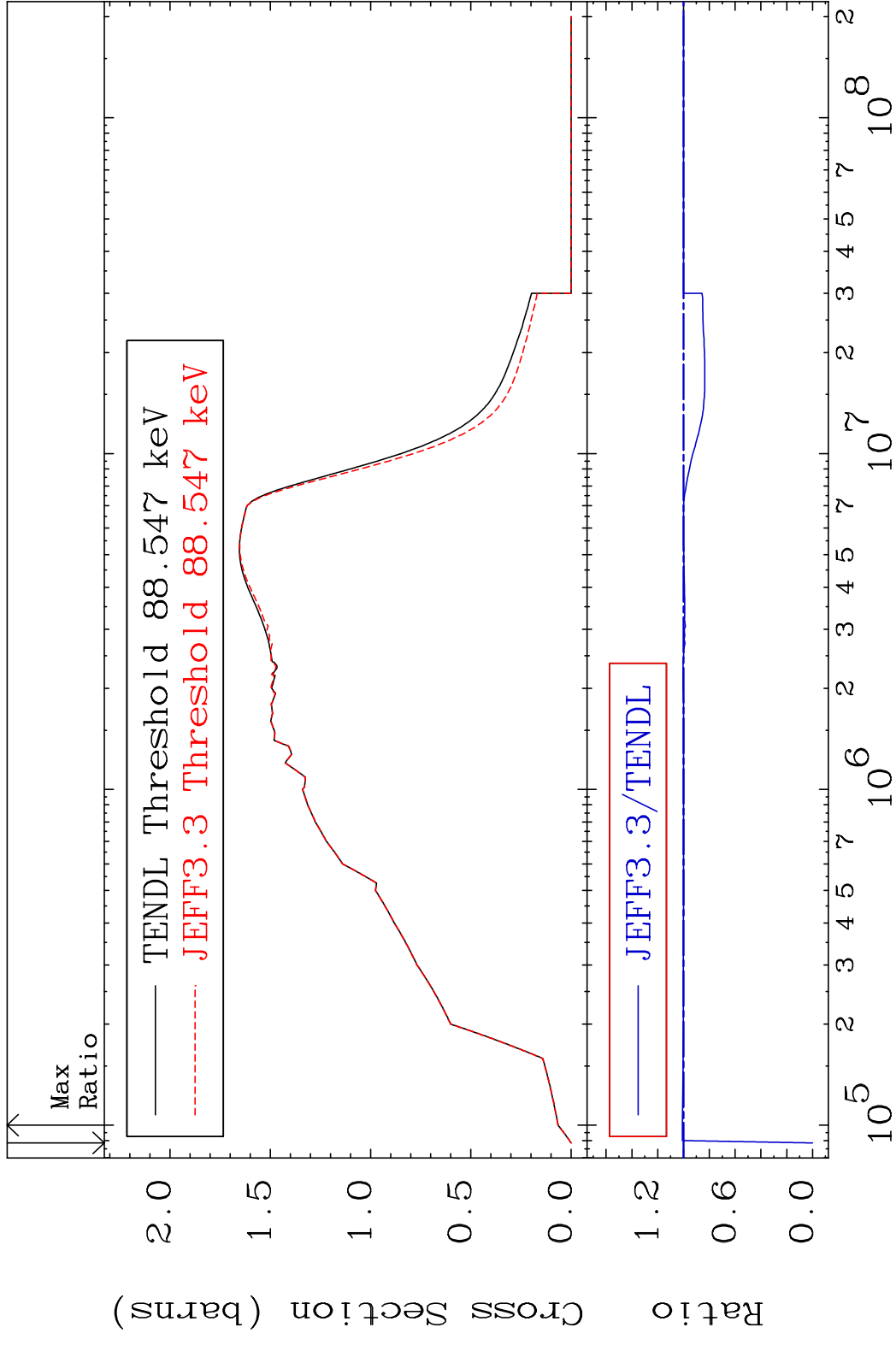


2

Incident Energy (eV)

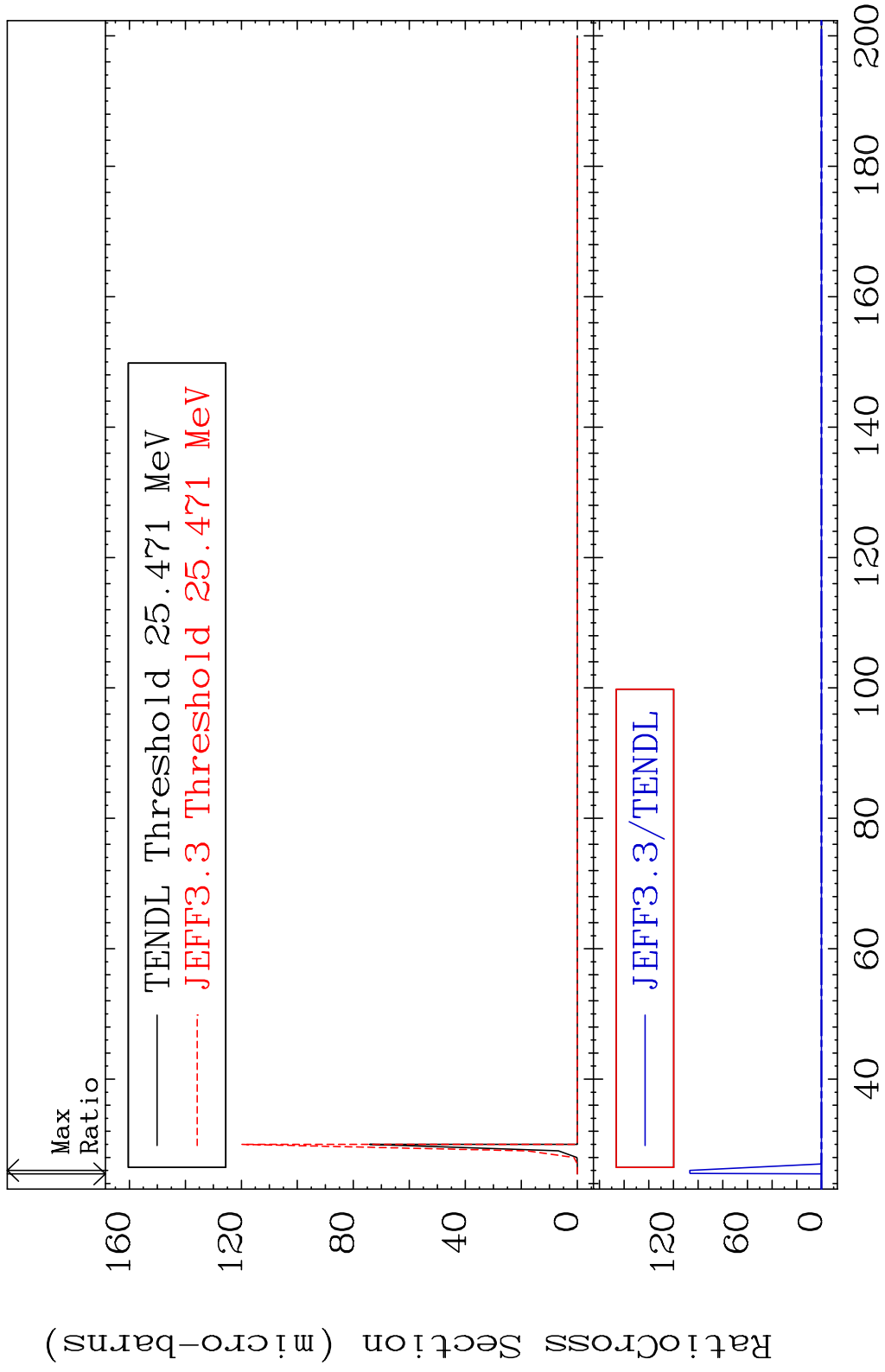
28-Ni-63

MAT 2840 Inelastic 28-Ni-63
 Cross Section -100.0 To 0.887 %

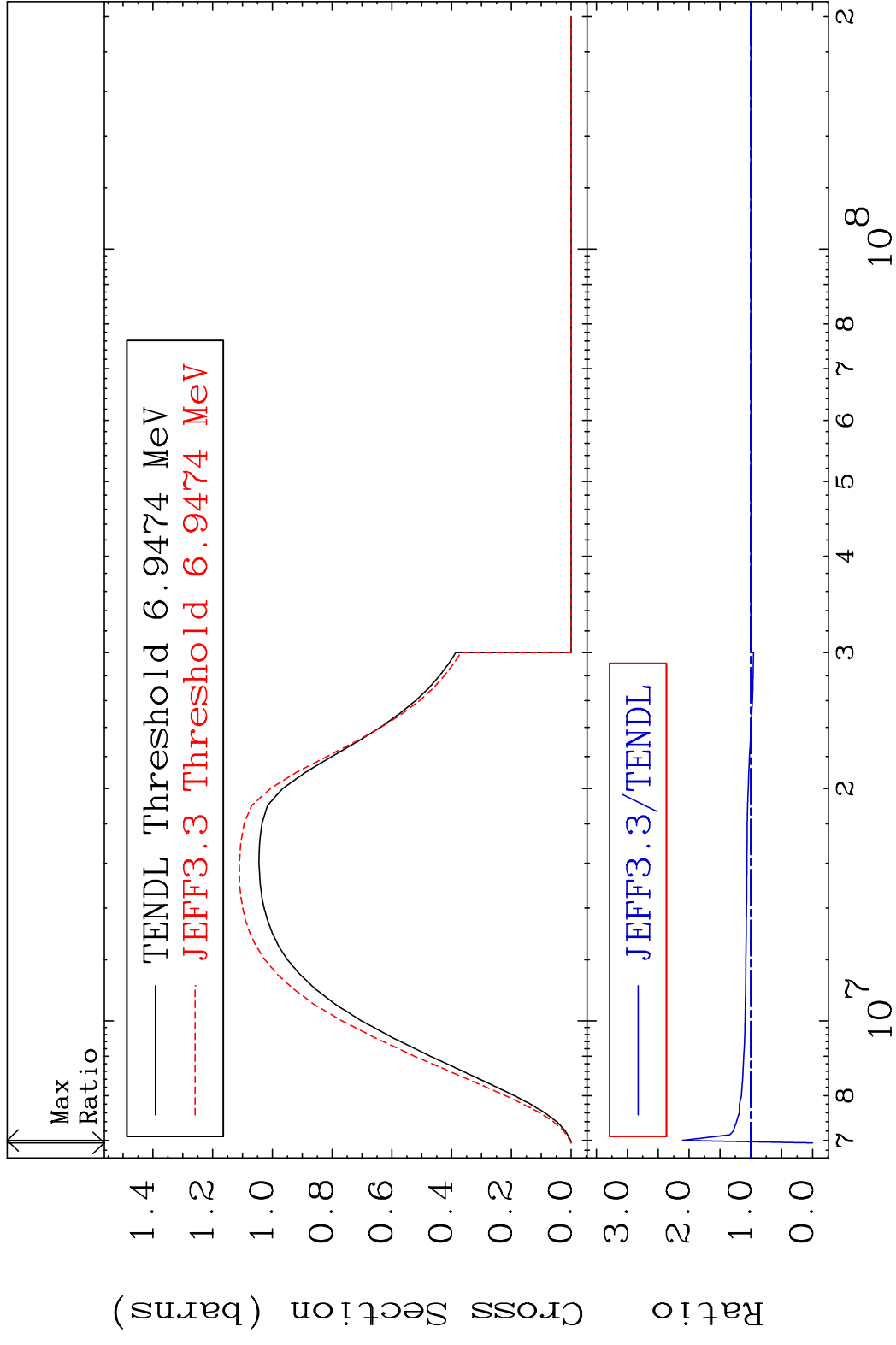


3 Incident Energy (eV) 28-Ni-63

MAT 2840 (n,2n) d 28-Ni-63
 Cross Section -100.0 To 9999. %

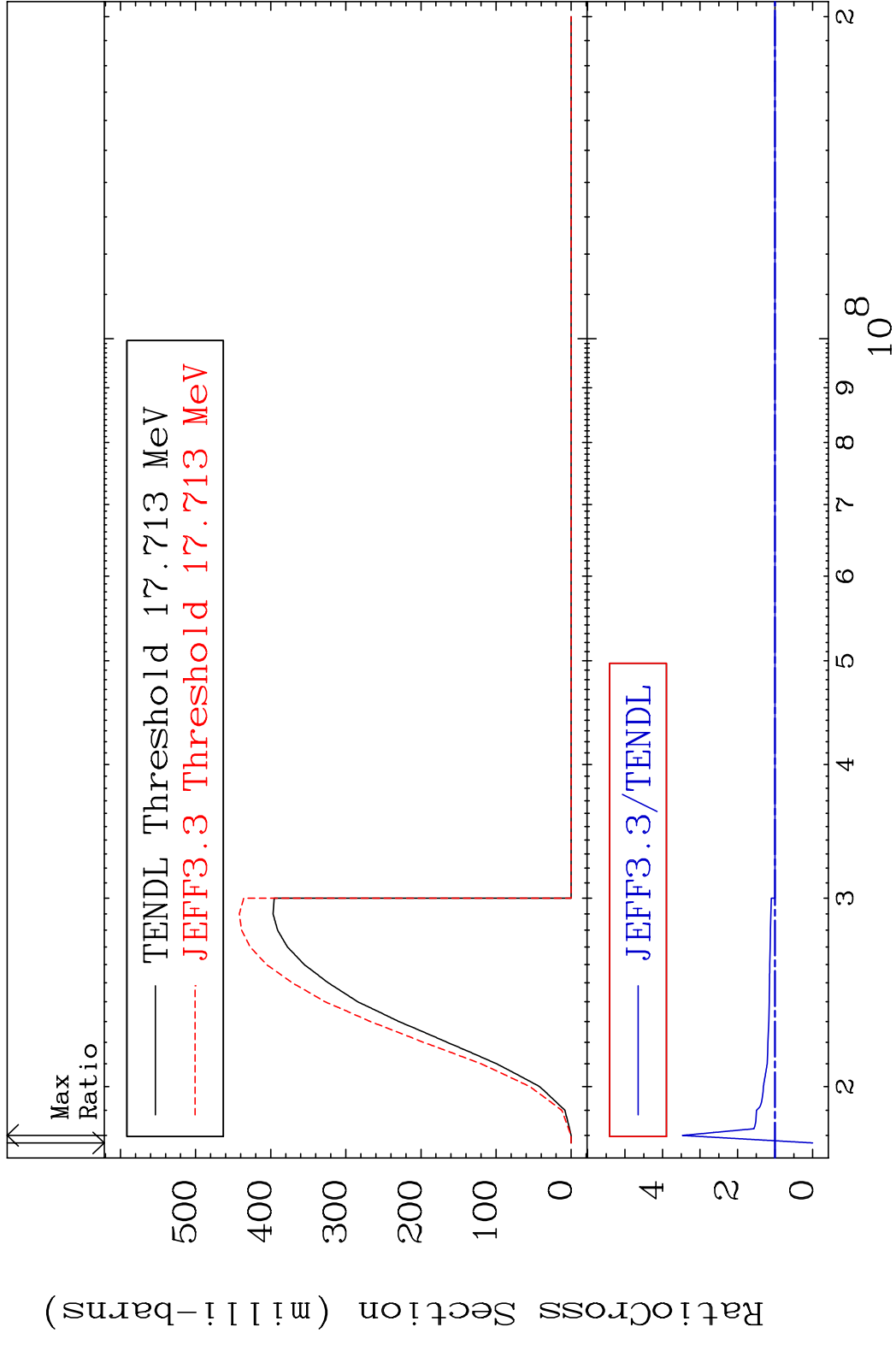


MAT 2840 (n,2n) 28-Ni-63
 Cross Section -100.0 To 110.9 %

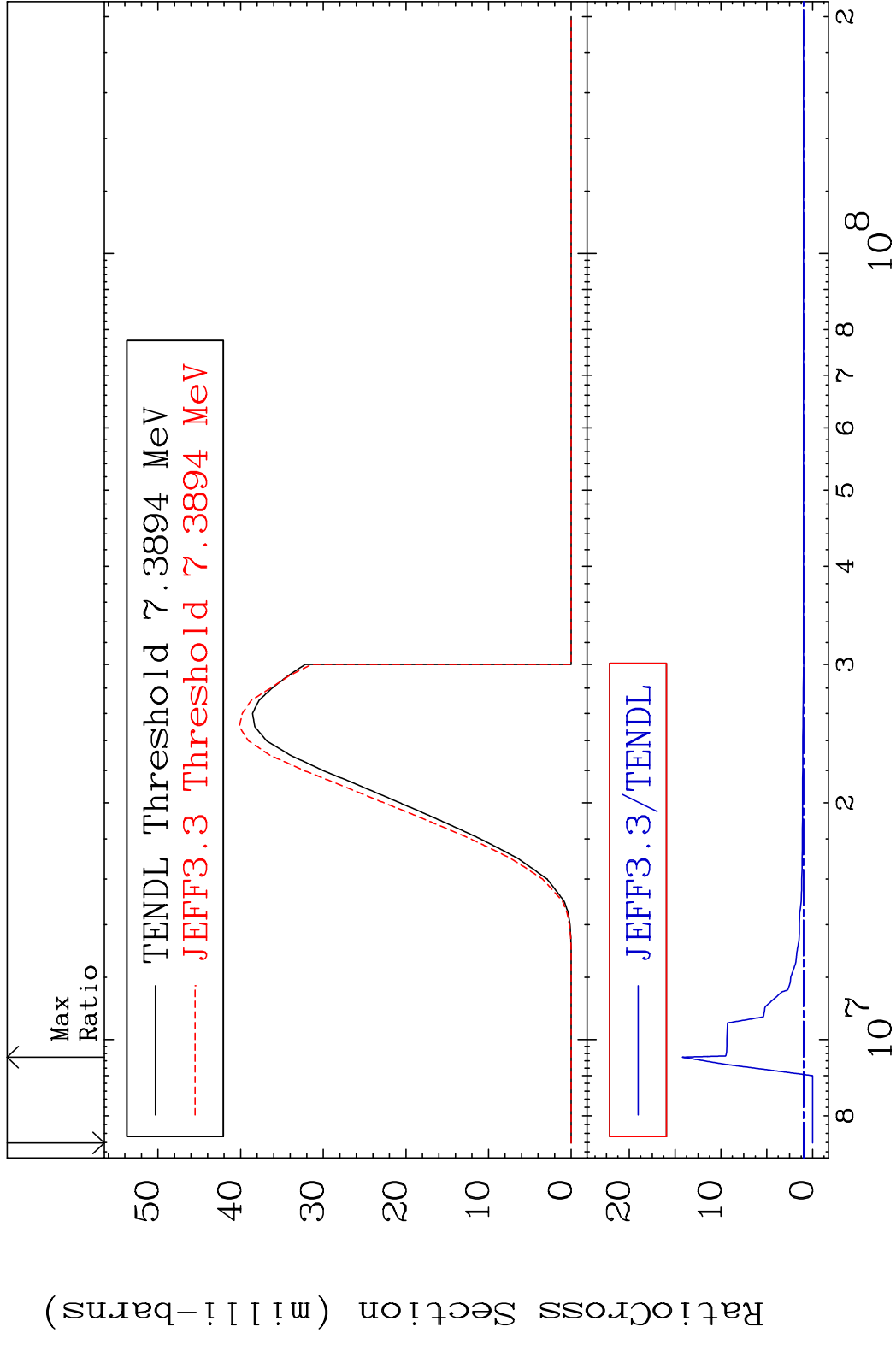


5 Incident Energy (eV) 28-Ni-63

MAT 2840 (n,3n) 28-Ni-63
 Cross Section -100.0 To 247.1 %

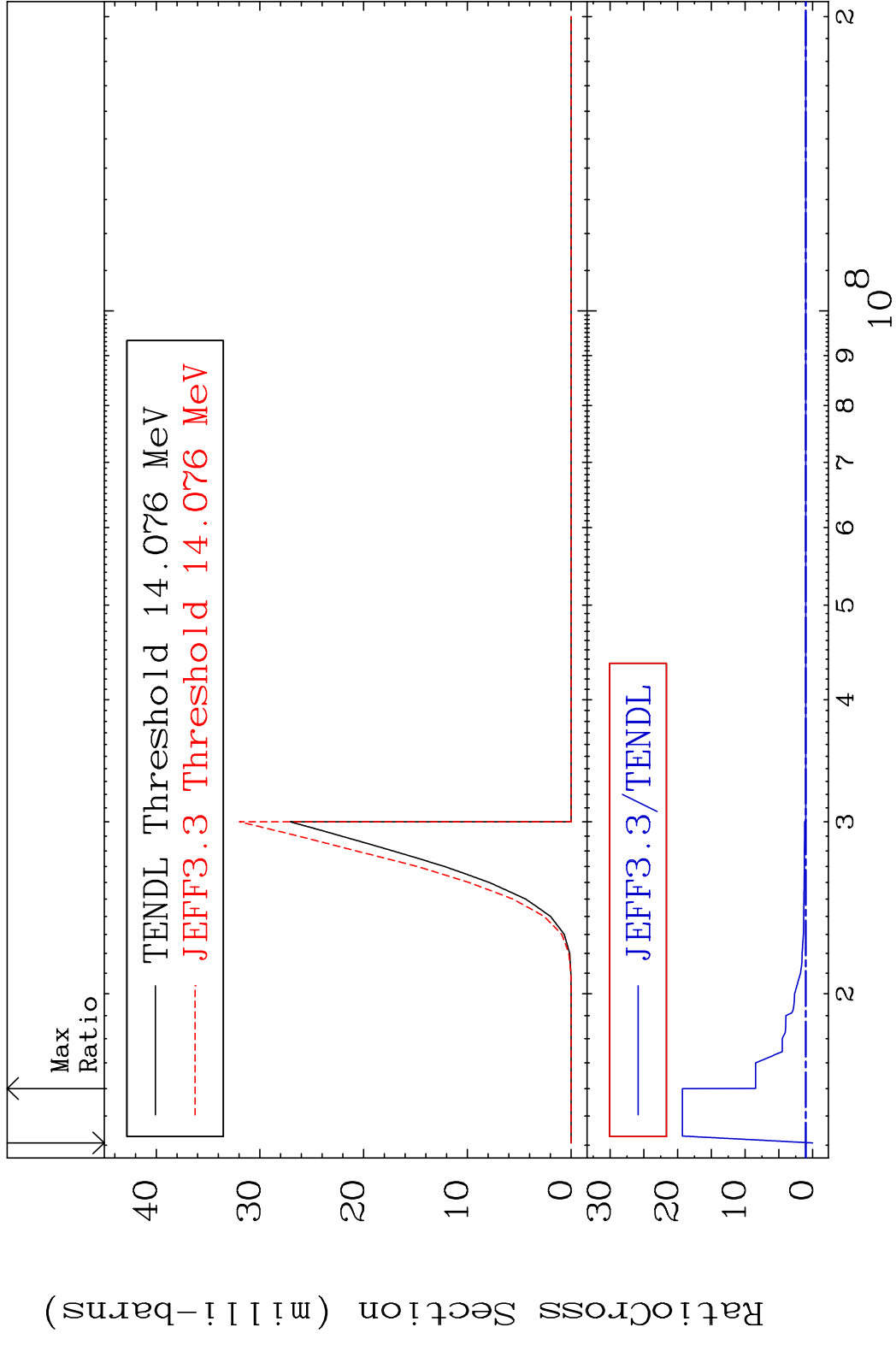


MAT 2840 (n, n') α 28-Ni-63
 Cross Section -100.0 To 1321. %



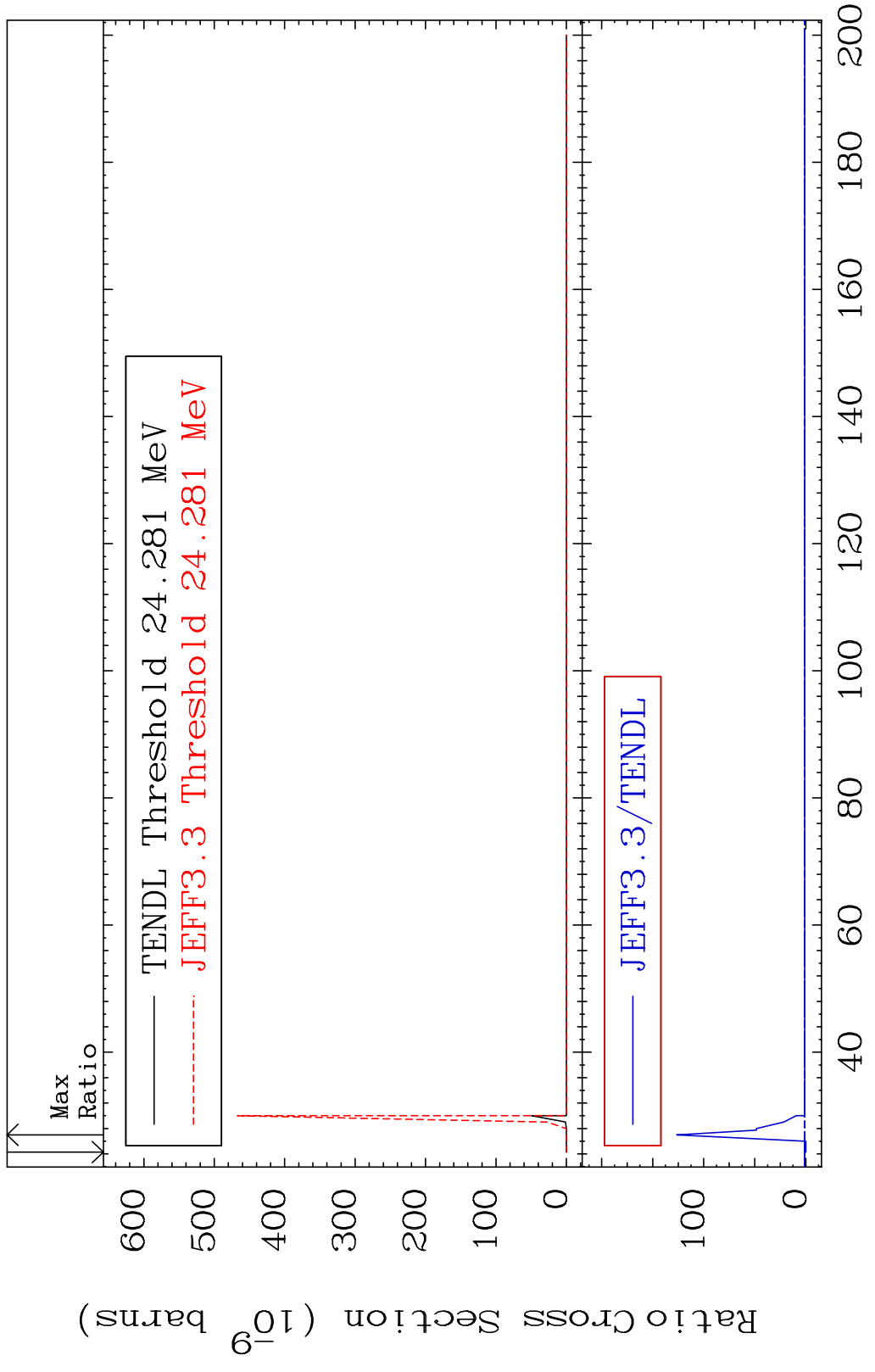
7 Incident Energy (eV) 28-Ni-63

MAT 2840 (n,2n) α 28-Ni-63
 Cross Section -100.0 To 1830. %

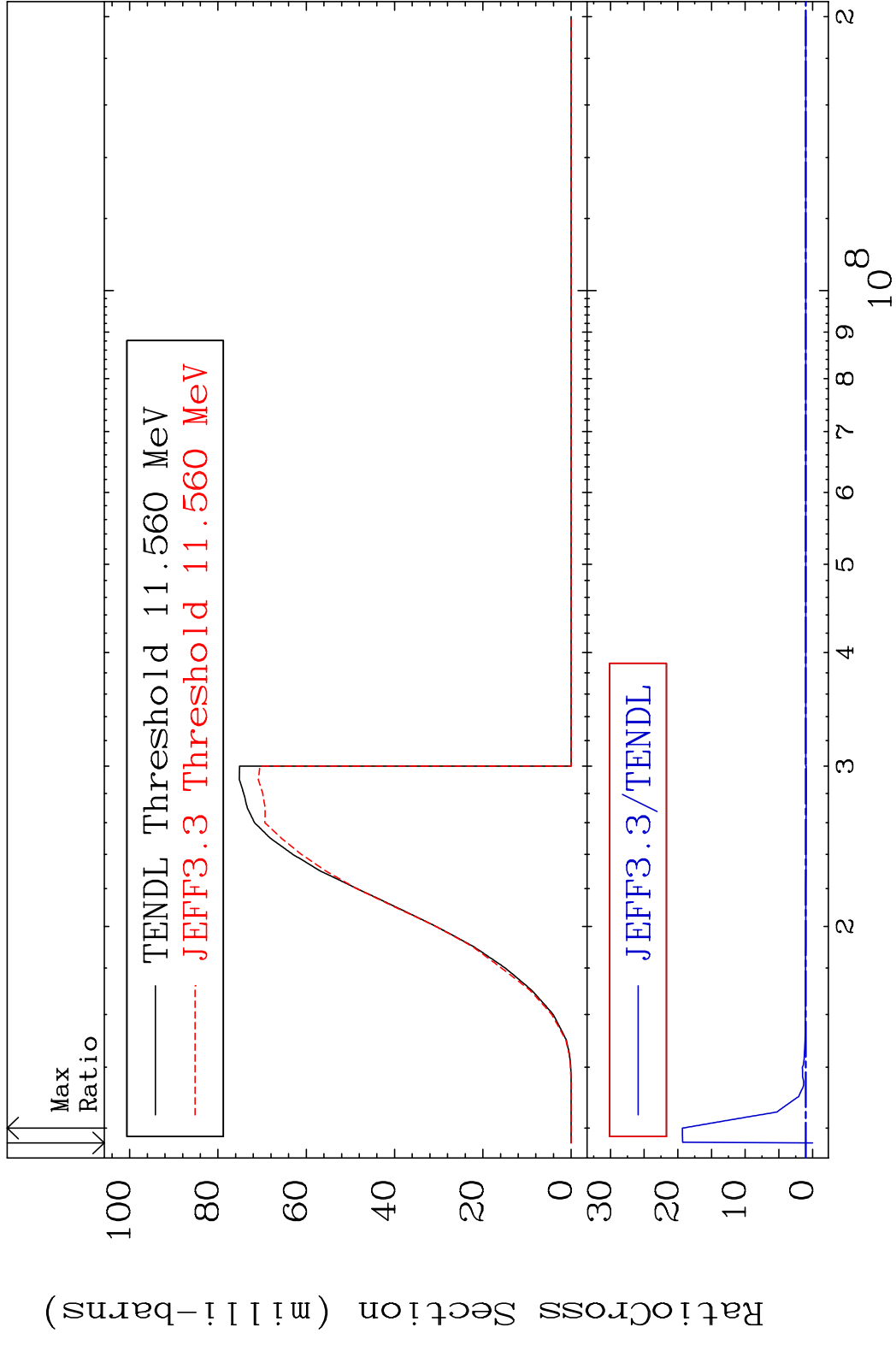


8 8 Incident Energy (eV) 28-Ni-63

MAT 2840 (n,3n) α 28-Ni-63
 Cross Section -100.0 To 9999. %

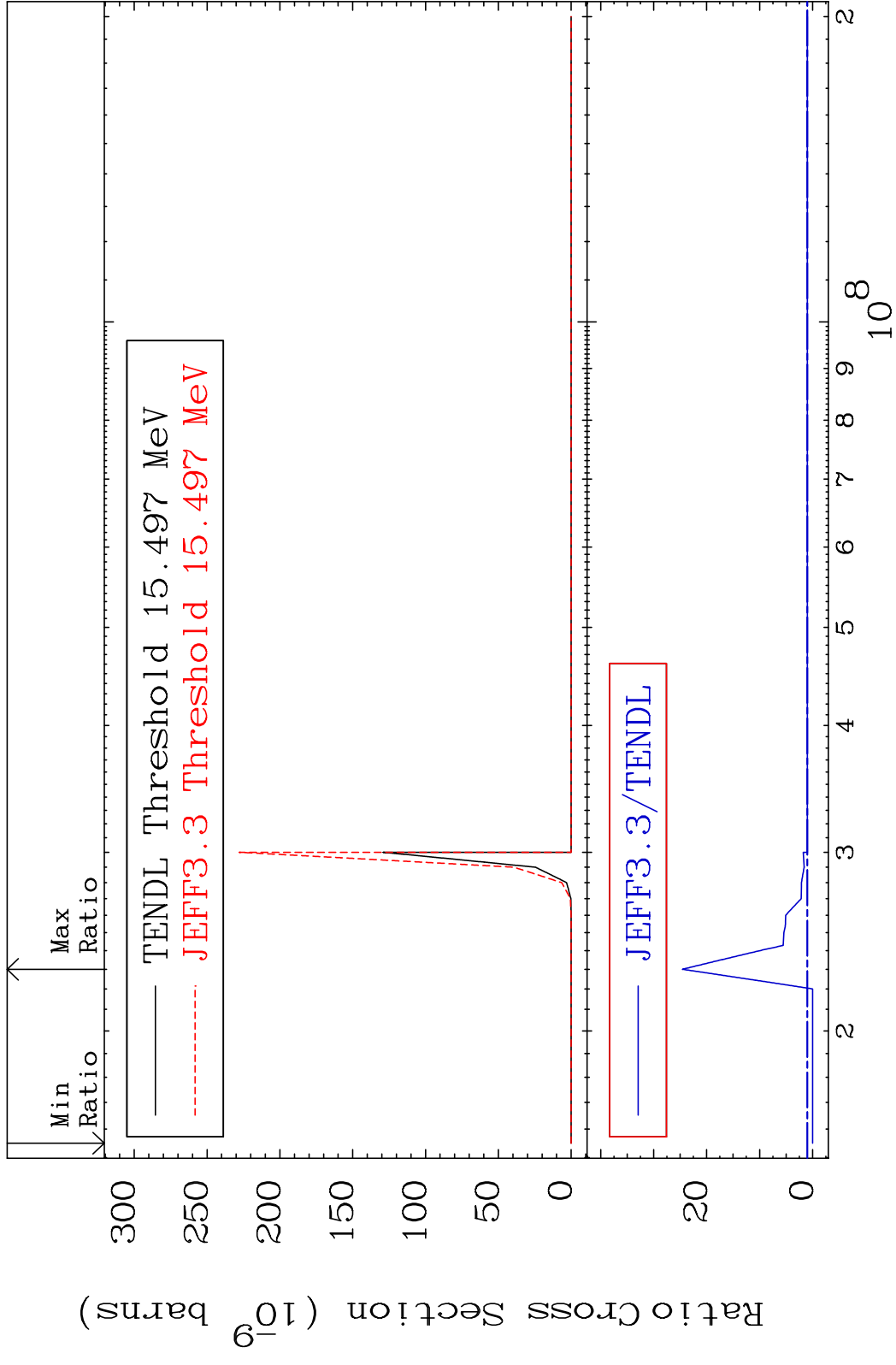


MAT 2840 (n, n') p 28-Ni-63
 Cross Section -100.0 To 1833. %

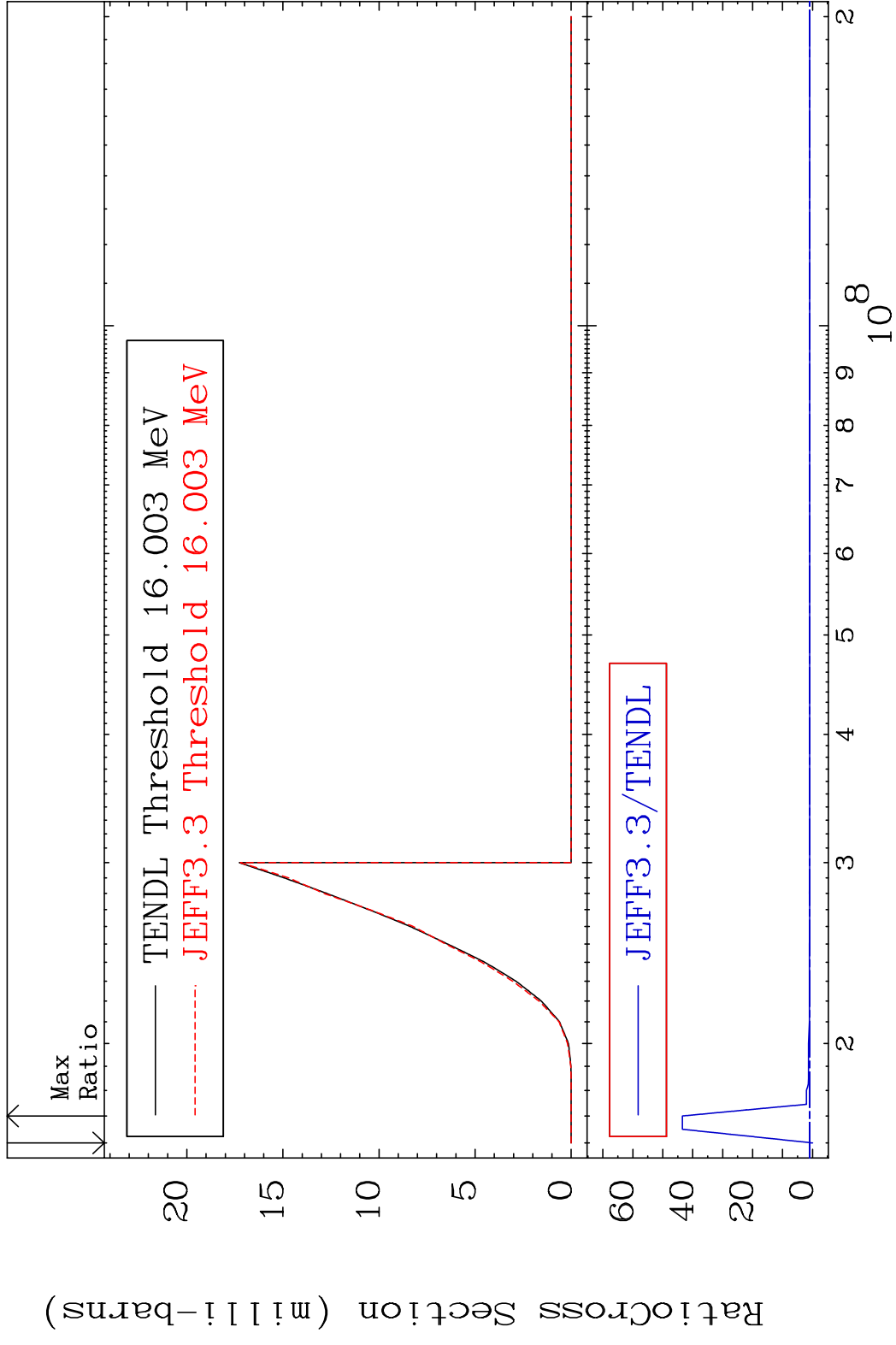


10 Incident Energy (eV) 28-Ni-63

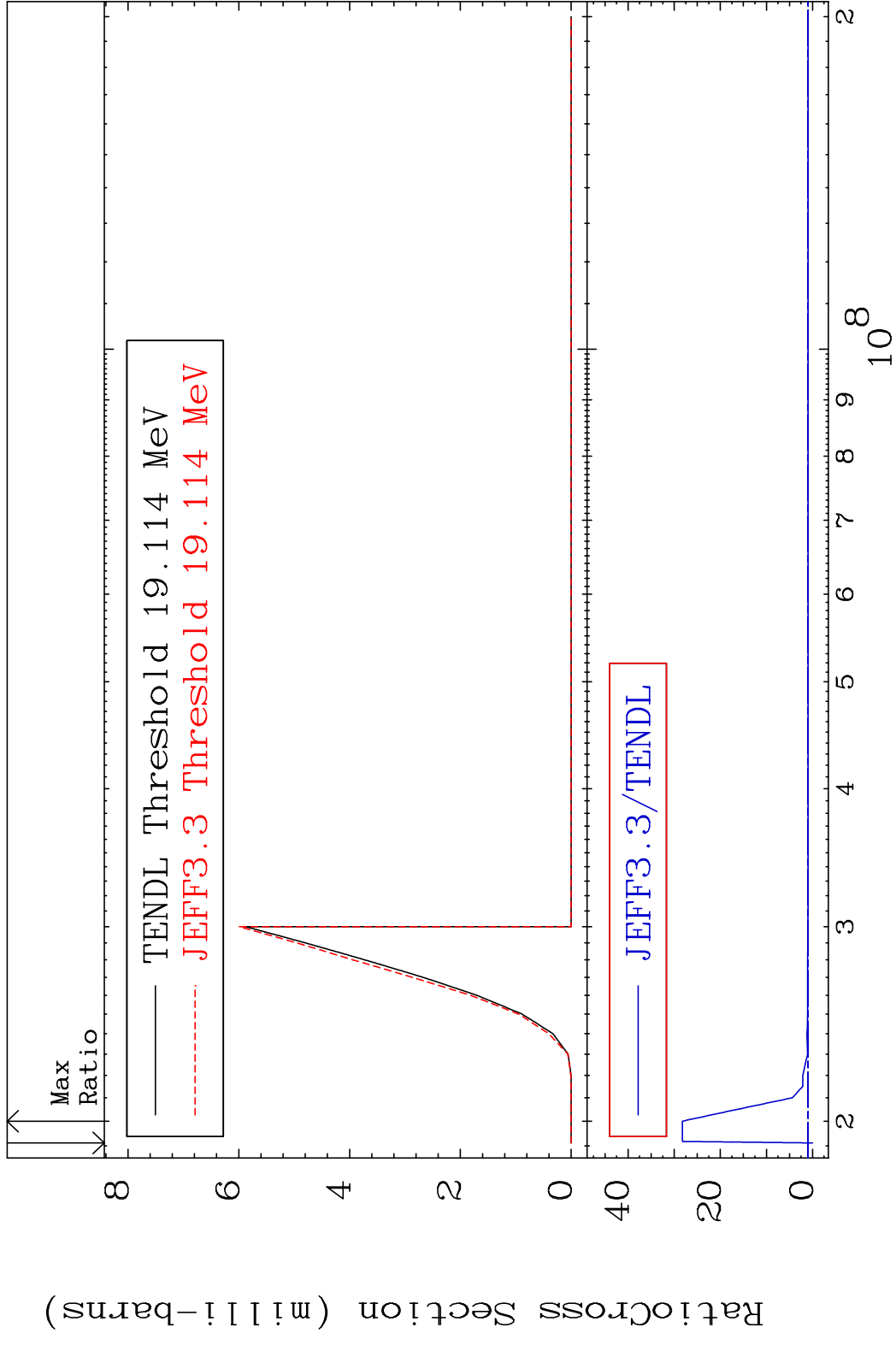
MAT 2840 (n, n') 2α 28-Ni-63
 Cross Section -100.0 To 2358. %



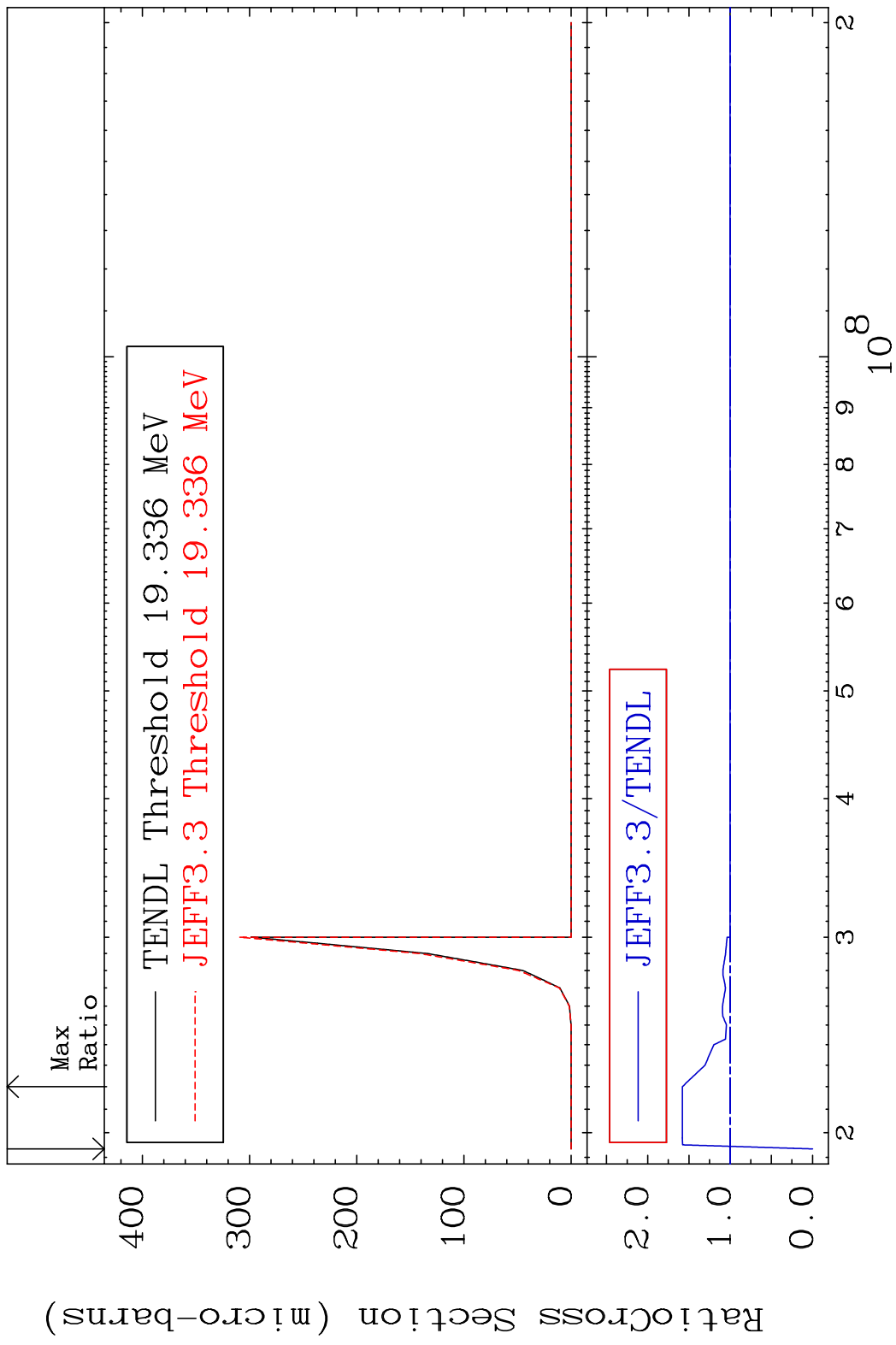
MAT 2840 (n, n') d 28-Ni-63
 Cross Section -100.0 To 4246. %



MAT 2840 (n, n') t 28-Ni-63
 Cross Section -100.0 To 2723. %

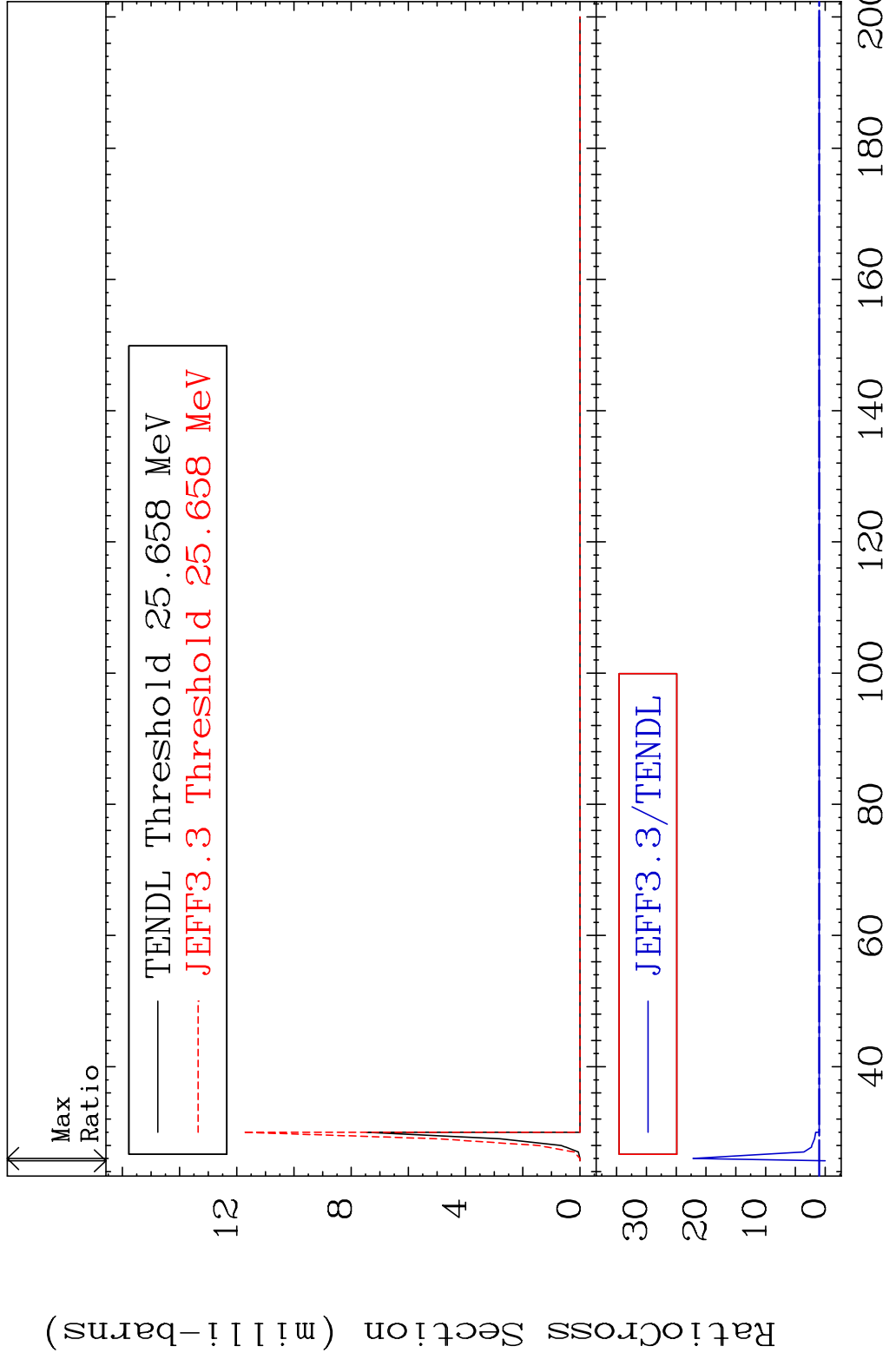


MAT 2840 (n,n') He-3 28-Ni-63
 Cross Section -100.0 To 58.02 %

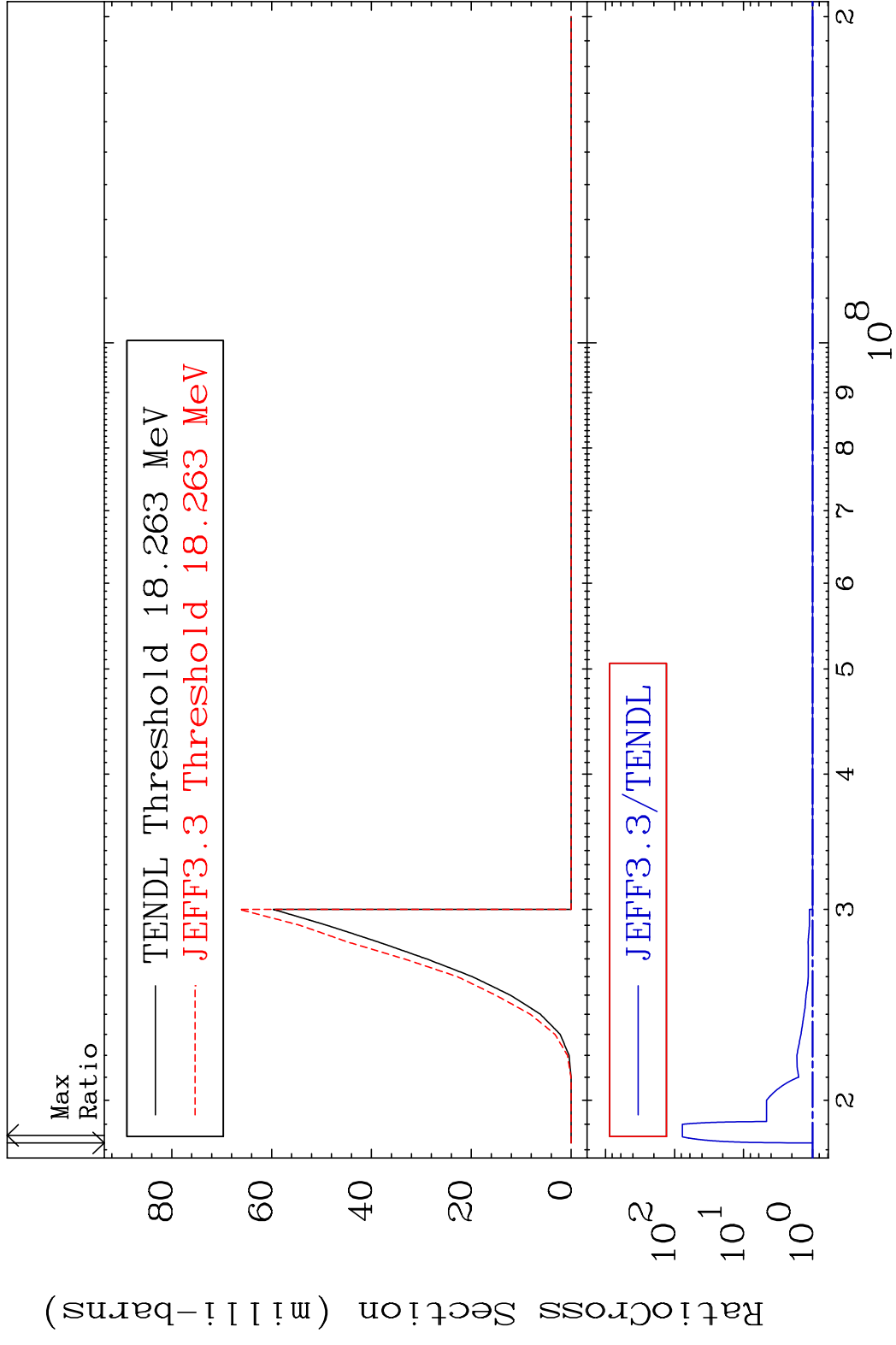


14 Incident Energy (eV) 28-Ni-63

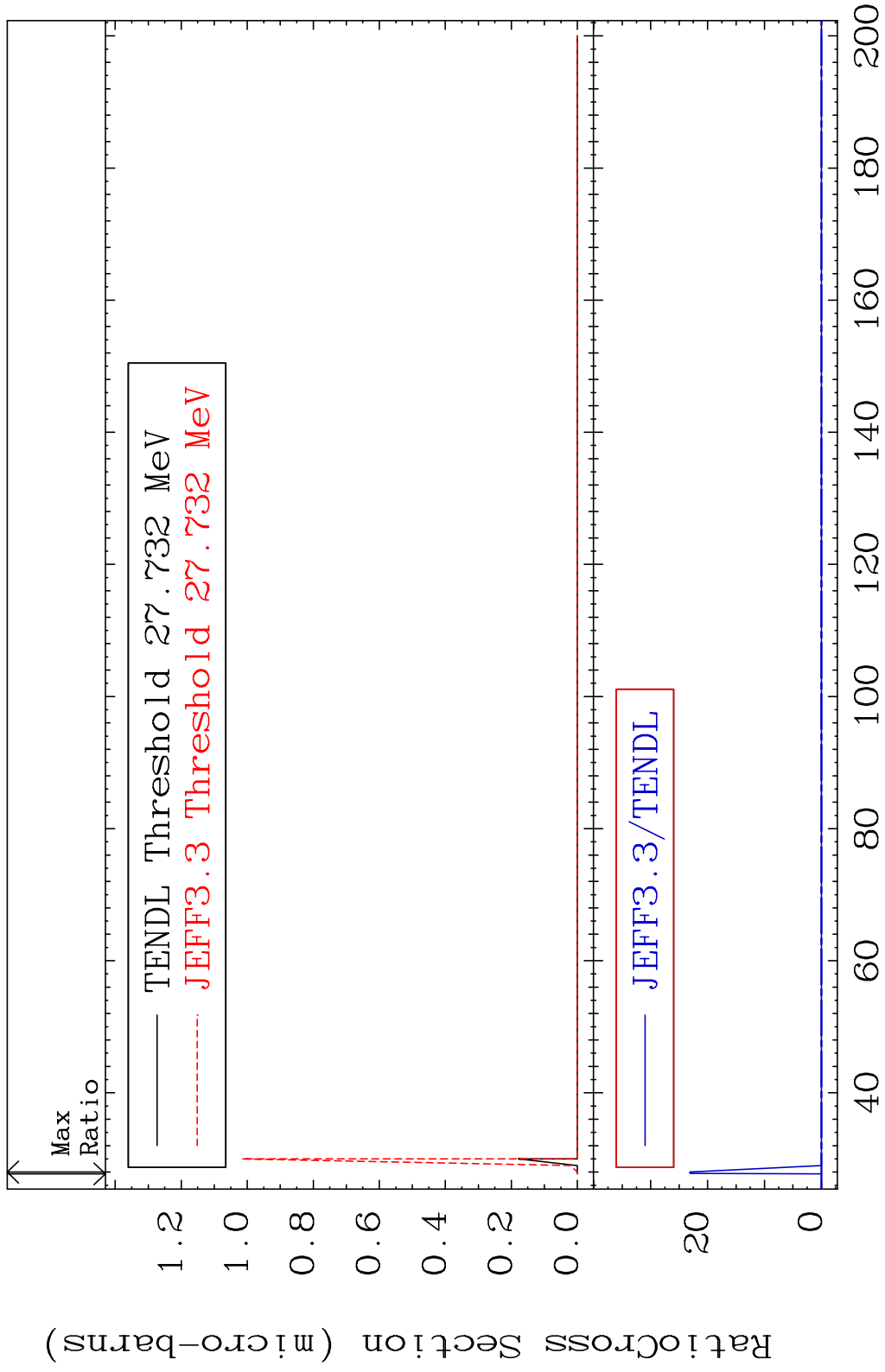
MAT 2840 (n,4n) 28-Ni-63
 Cross Section -100.0 To 2119. %



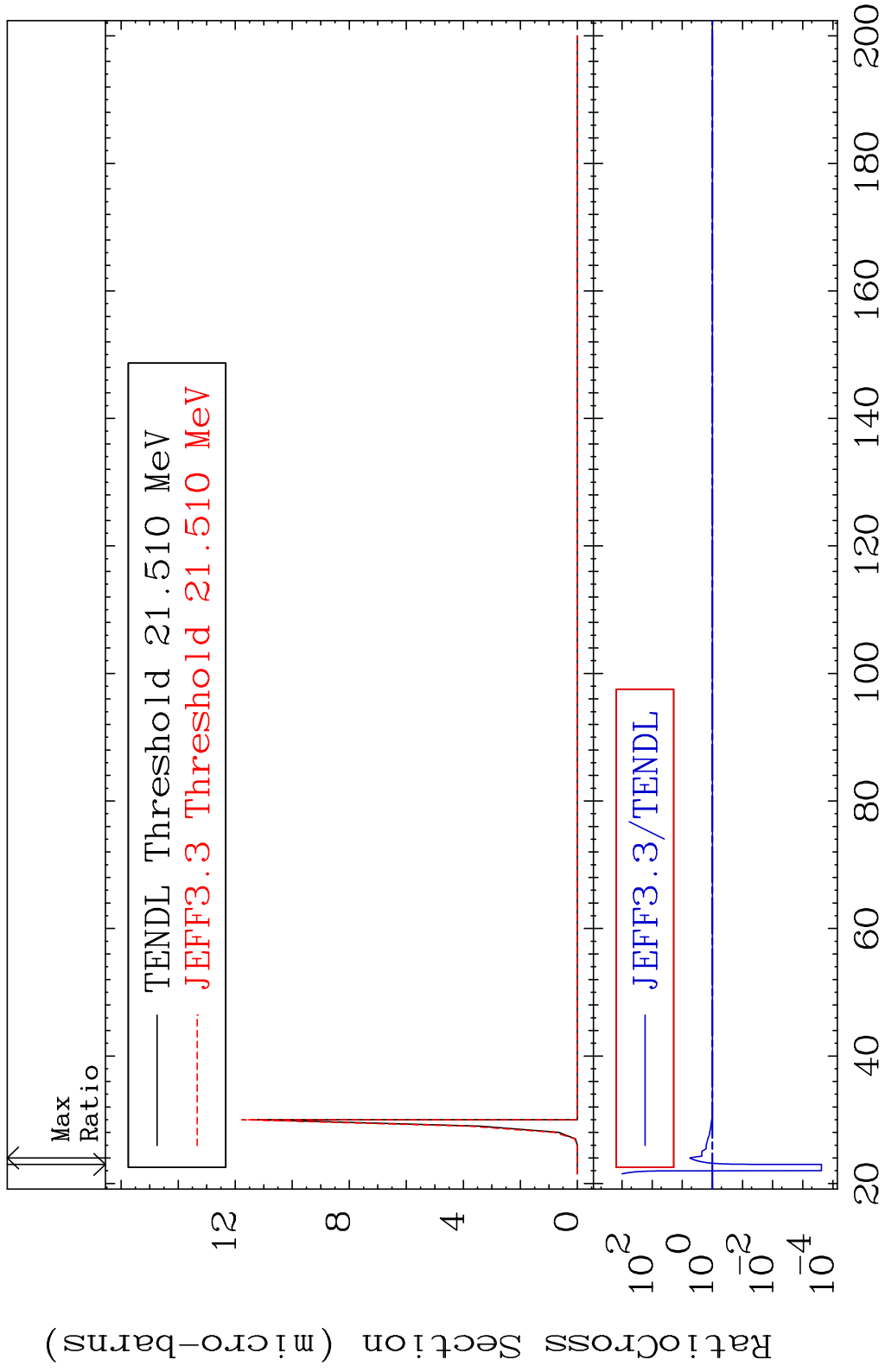
MAT 2840 (n,2n) p 28-Ni-63
 Cross Section 0.000 To 7607. %



MAT 2840 (n,3n) p 28-Ni-63
 Cross Section -100.0 To 9999. %



MAT 2840 (n,2n) p 28-Ni-63
 Cross Section -99.98 To 465.3 %

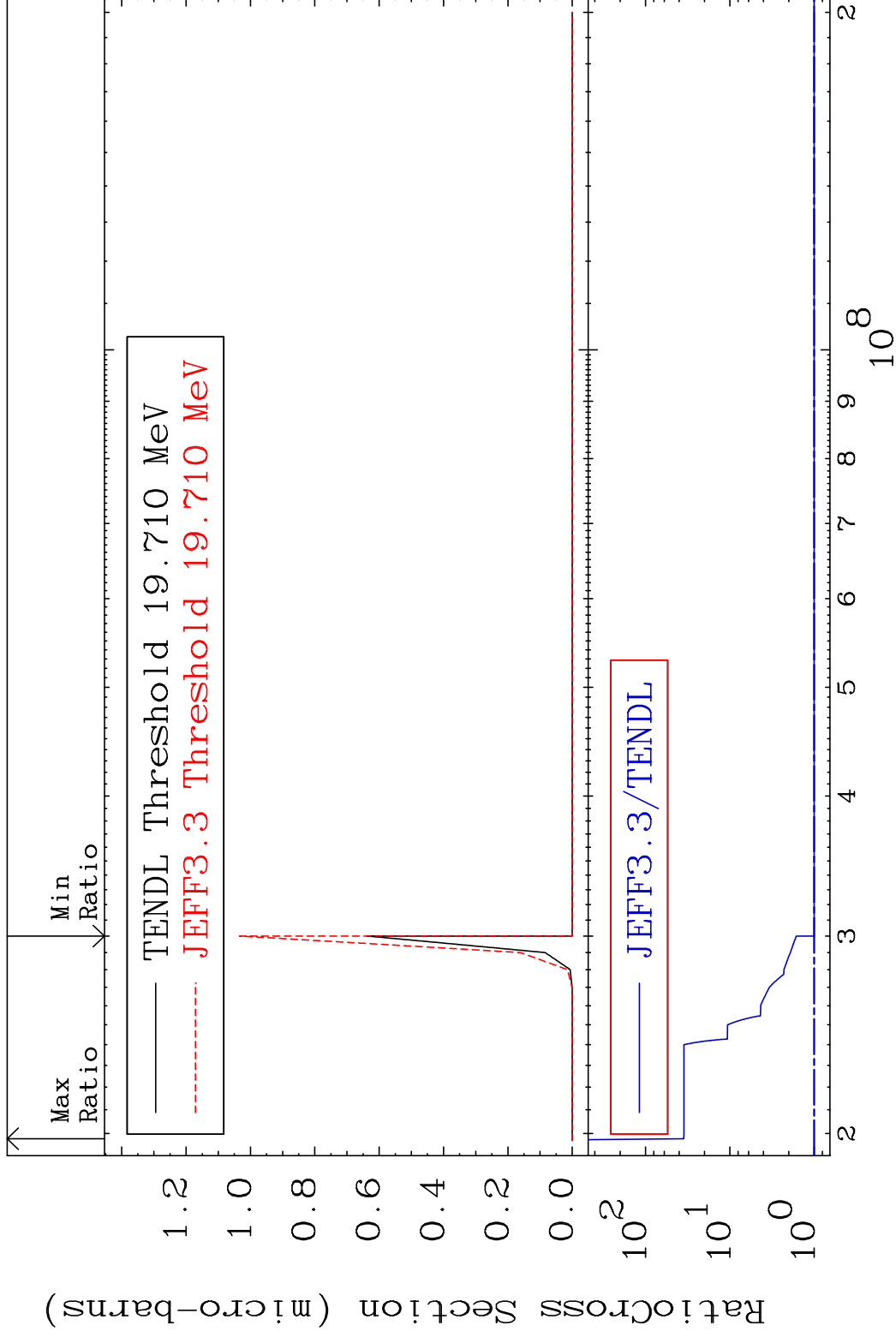


MAT 2840

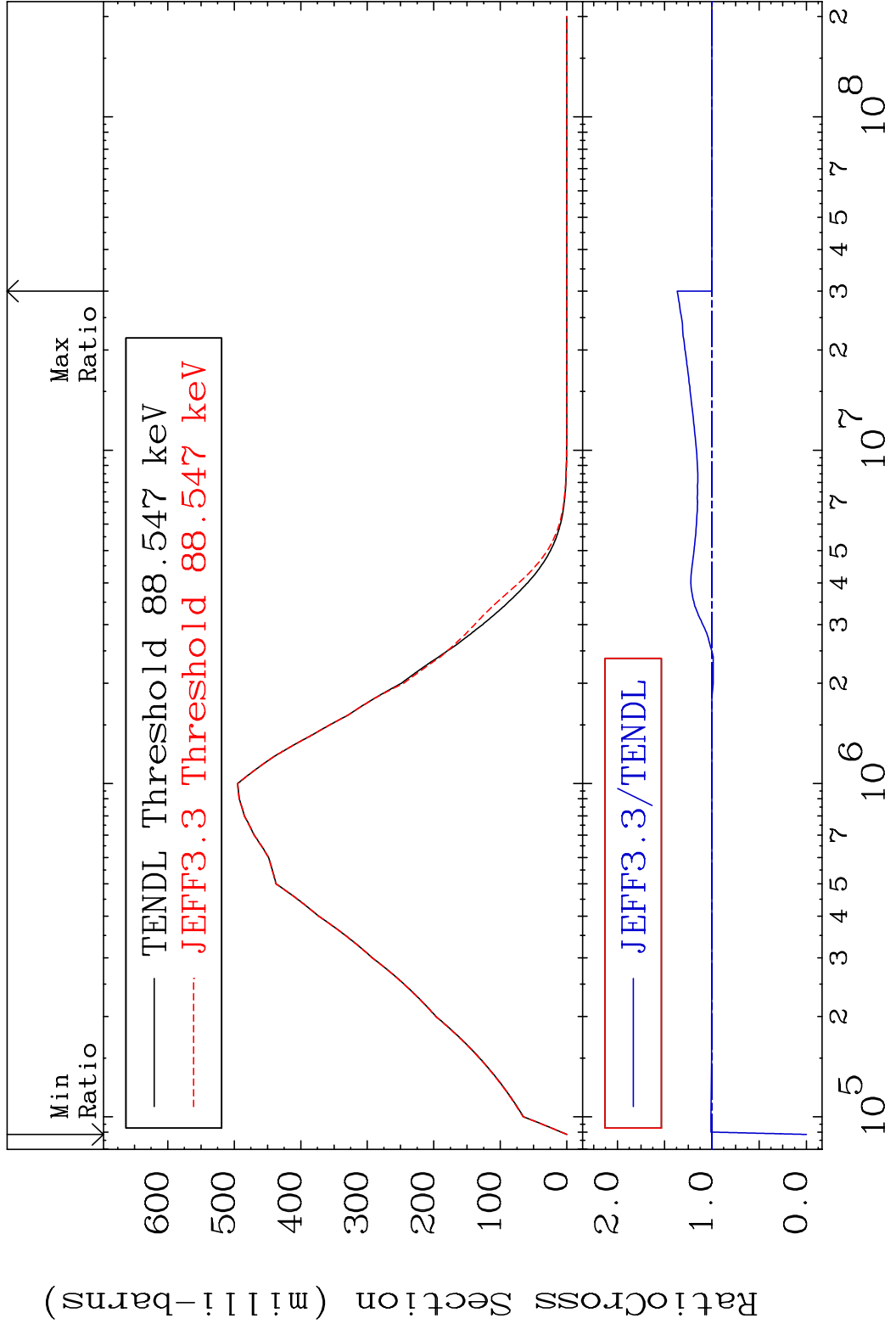
(n,n') p α

28-Ni-63

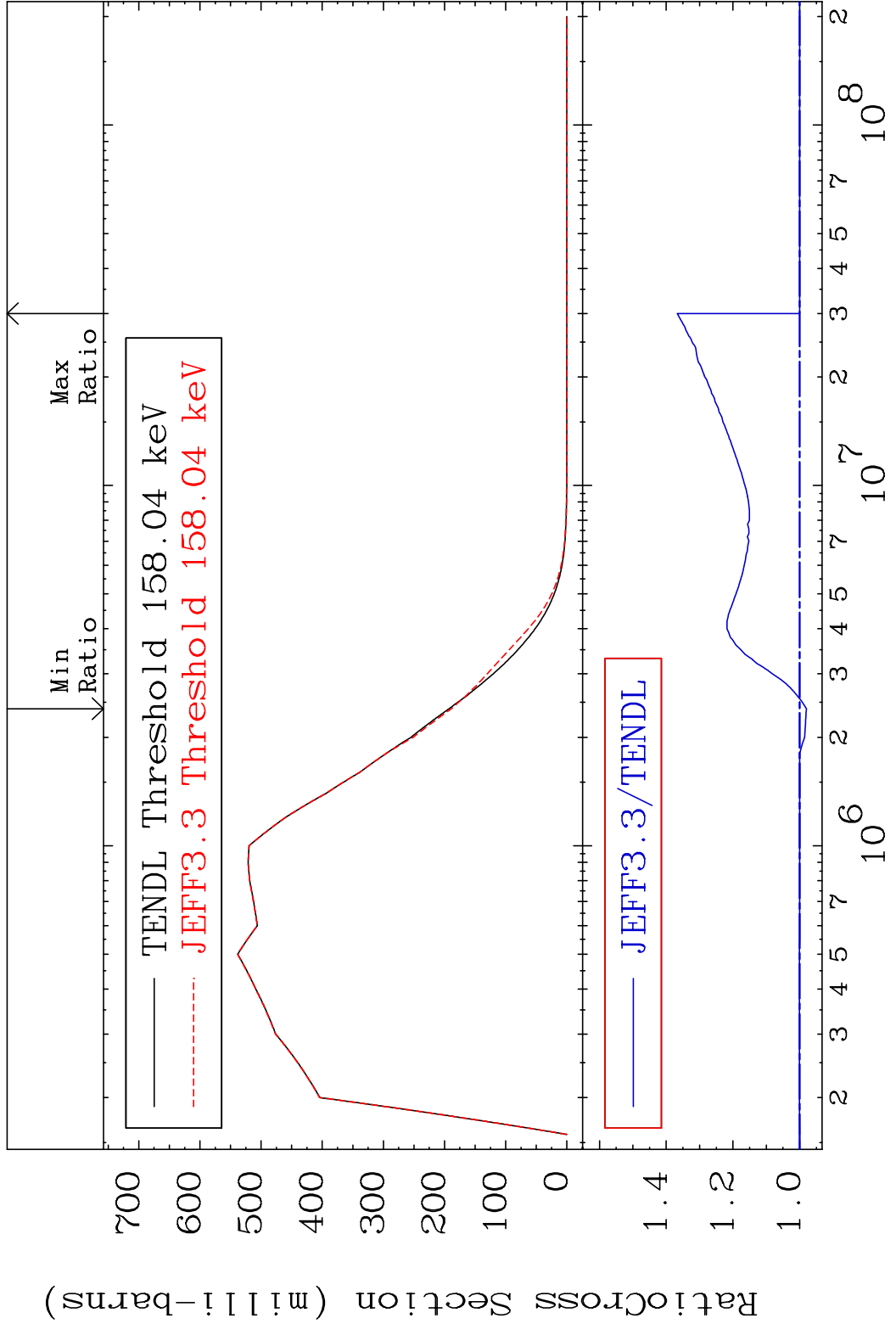
Cross Section 0.000 To 3427. %



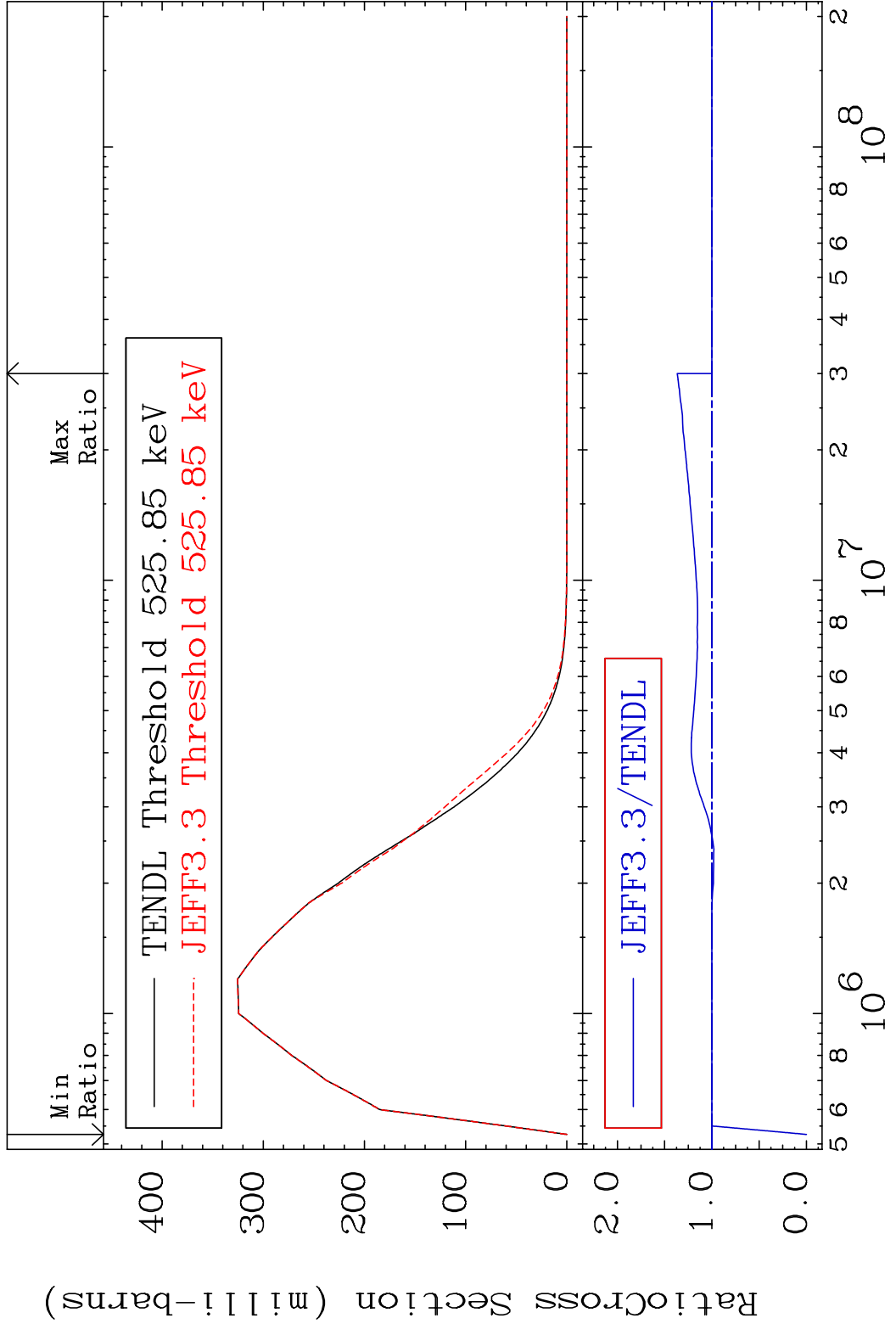
MAT 2840 MT= 51 (n, n') Level 28-Ni-63
 Cross Section -100.0 To 36.71 %



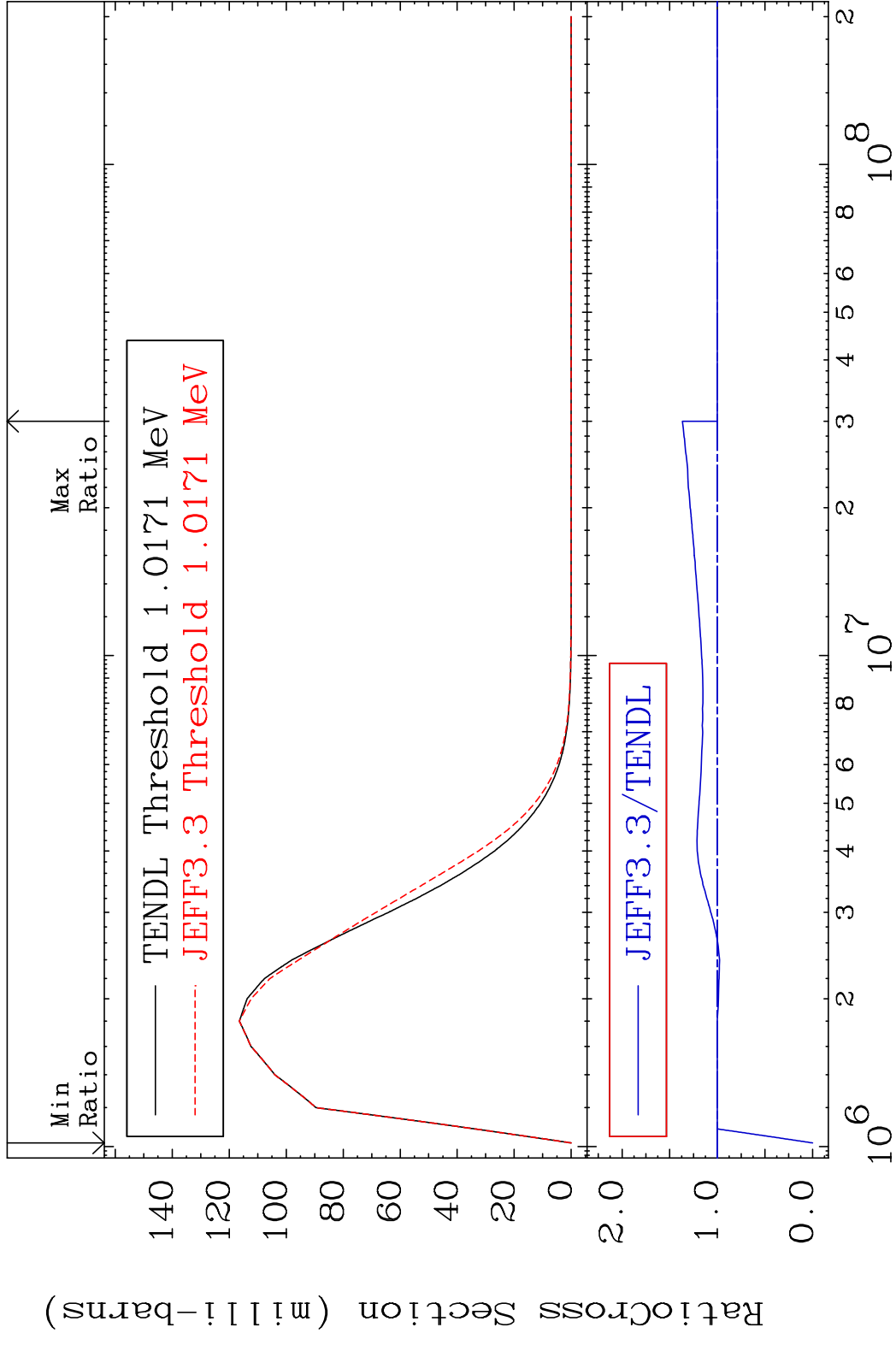
MAT 2840 MT= 52 (n, n') Level 28-Ni-63
 Cross Section -2.007 To 36.71 %



MAT 2840 MT= 53 (n, n') Level 28-Ni-63
 Cross Section -100.0 To 36.71 %

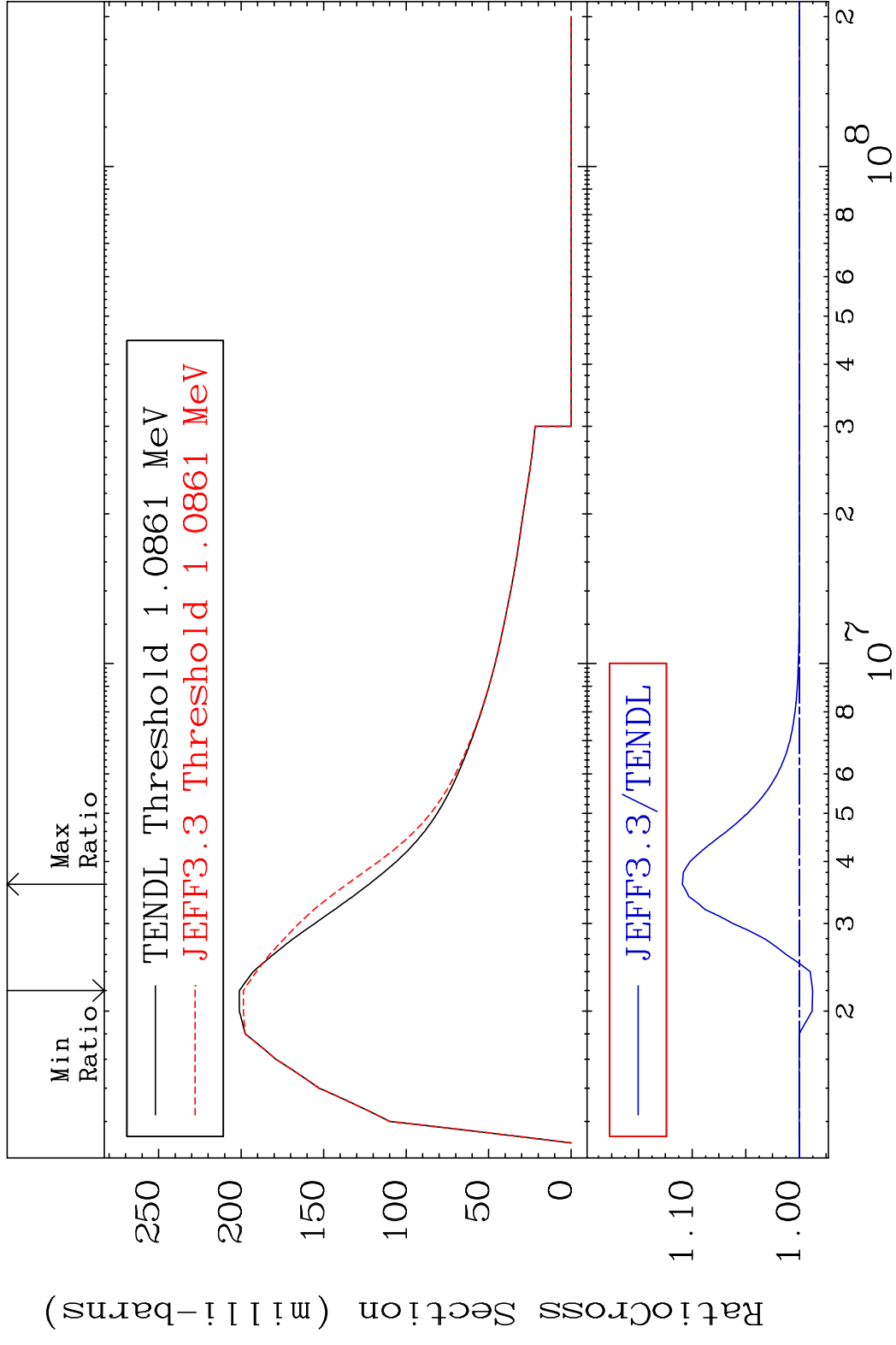


MAT 2840 MT= 54 (n, n') Level 28-Ni-63
 Cross Section -100.0 To 36.72 %

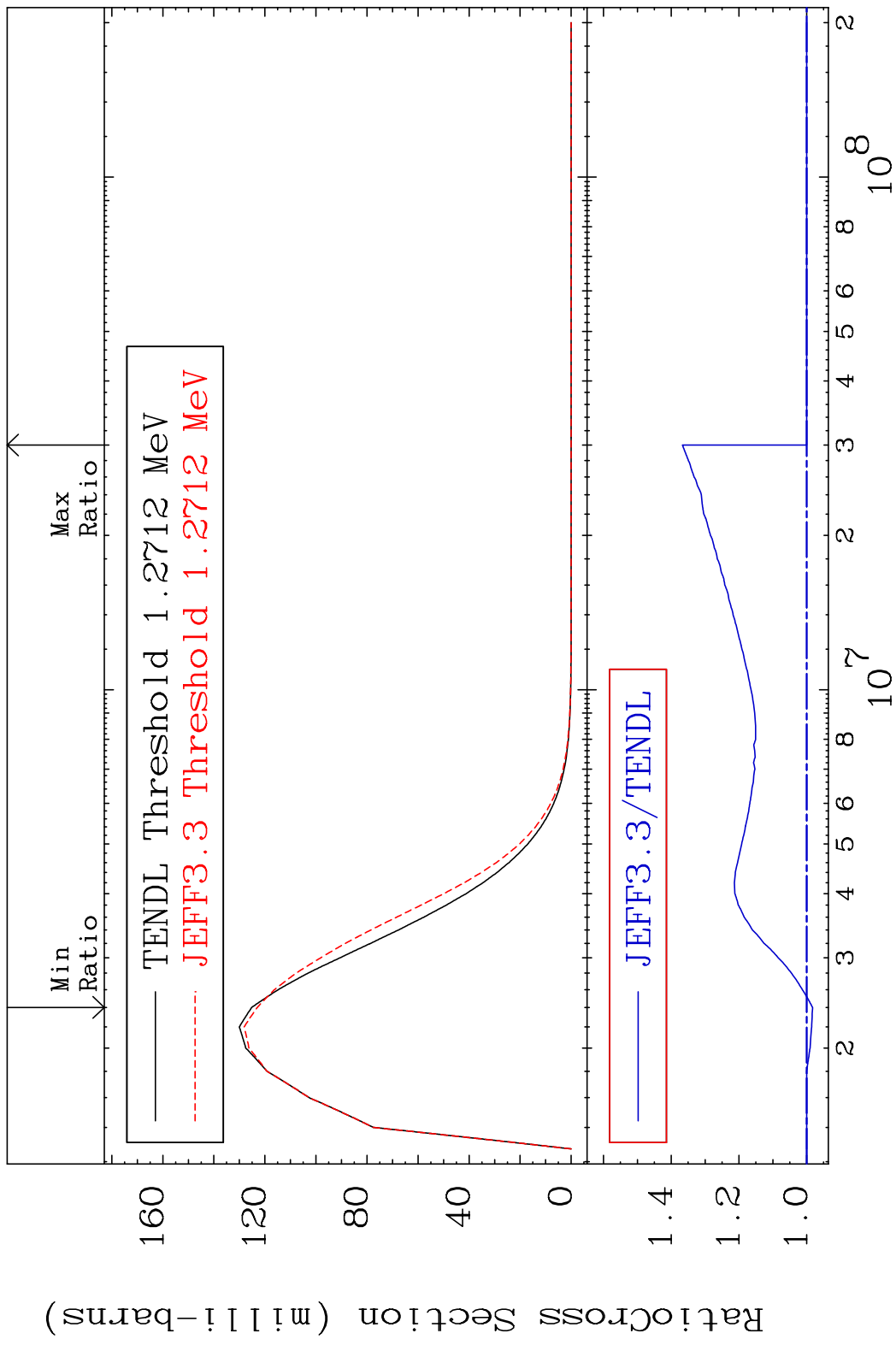


23 Incident Energy (eV) 28-Ni-63

MAT 2840 MT= 55 (n,n') Level 28-Ni-63
 Cross Section -1.230 To 10.92 %

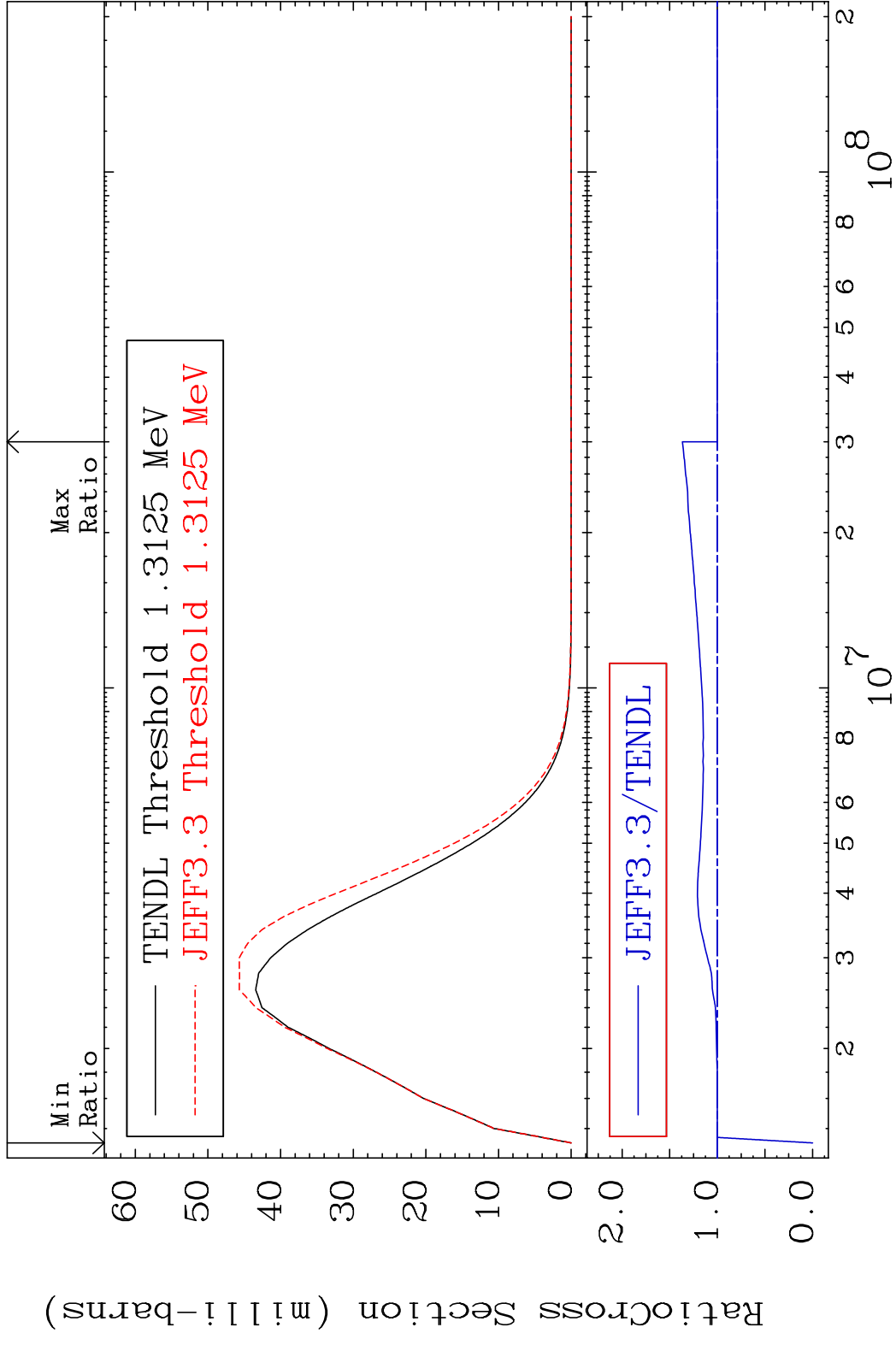


MAT 2840 MT= 56 (n,n') Level 28-Ni-63
 Cross Section -1.734 To 36.72 %

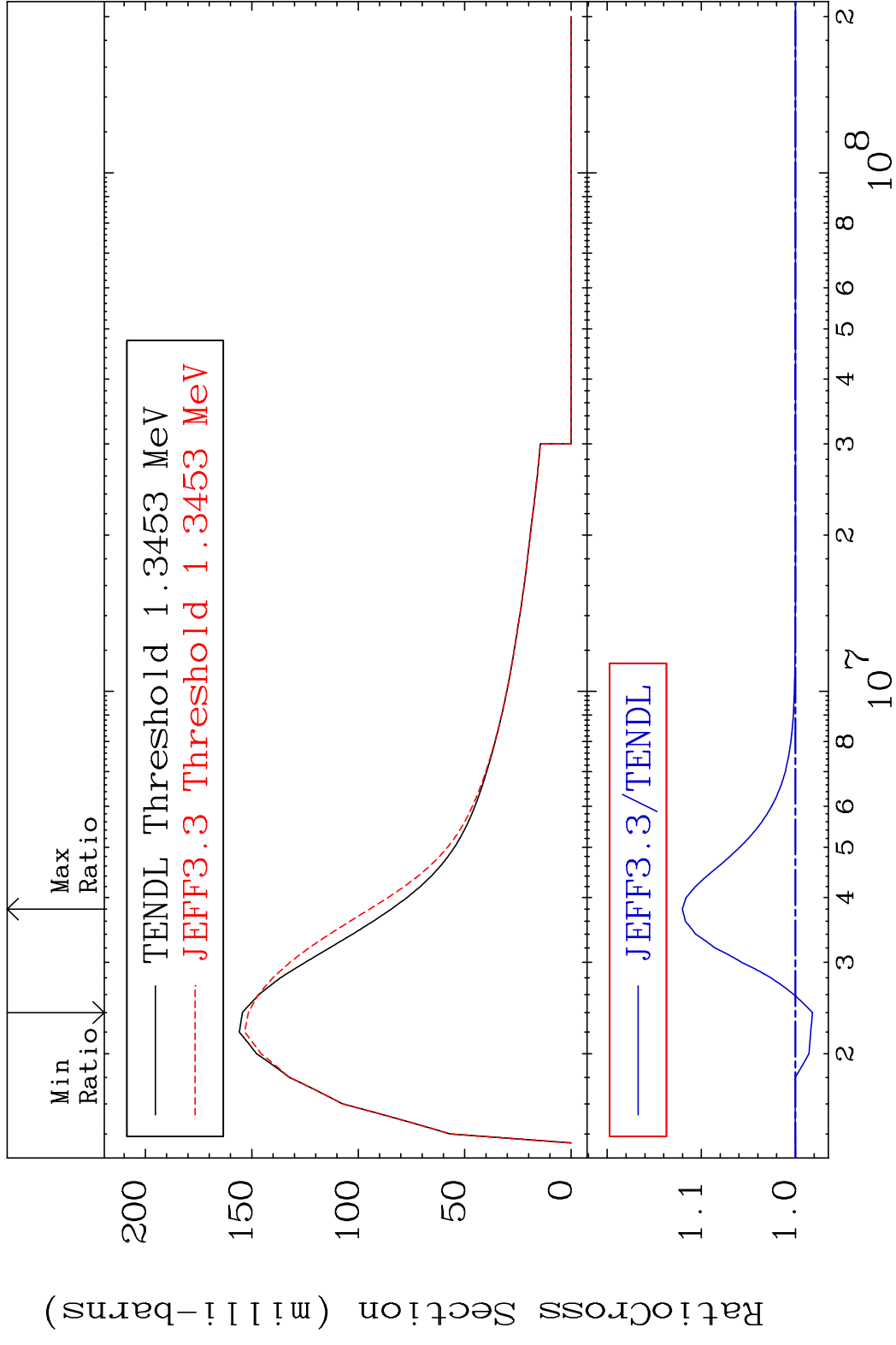


25 Incident Energy (eV) 28-Ni-63

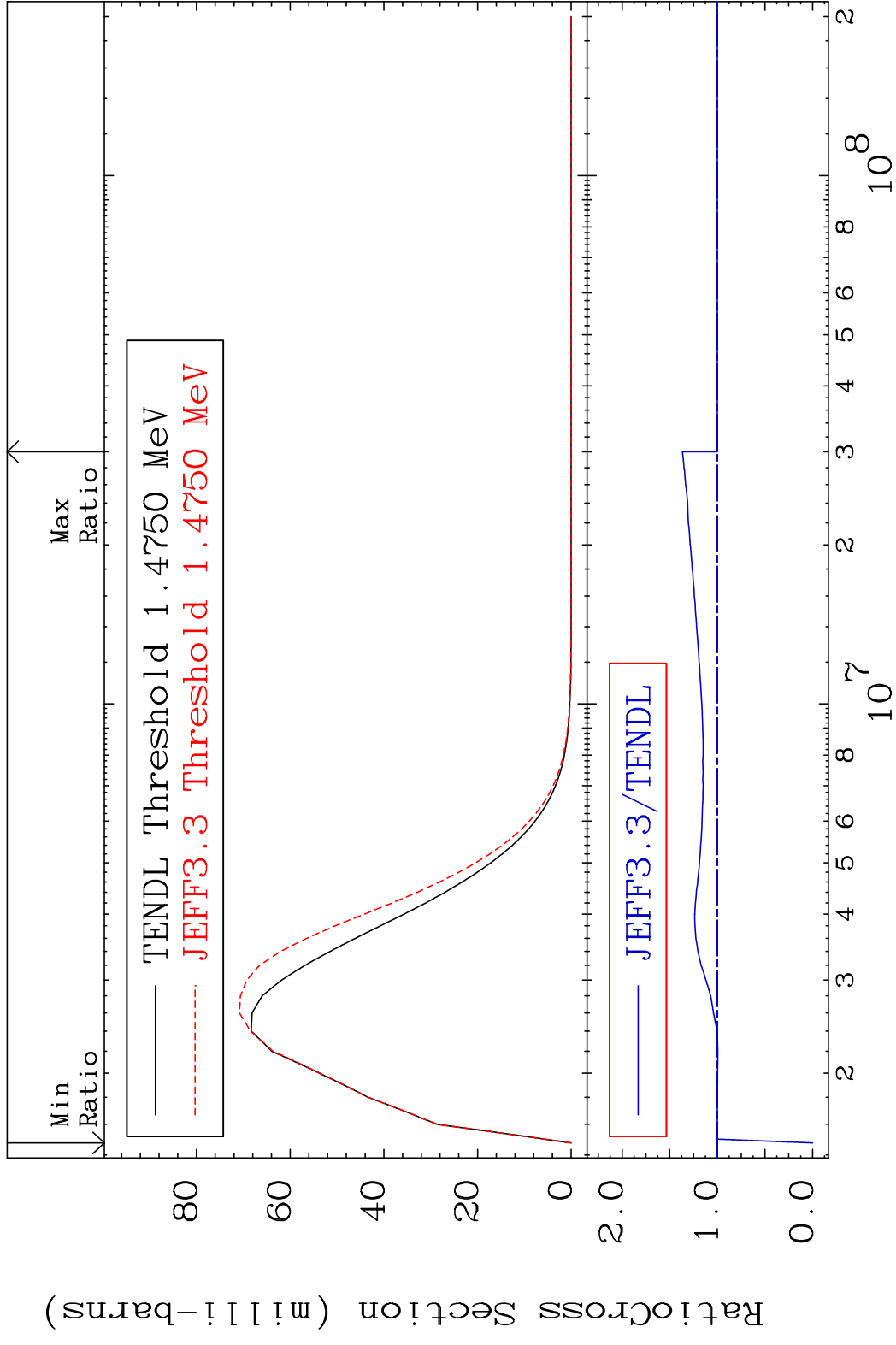
MAT 2840 MT= 57 (n, n') Level 28-Ni-63
 Cross Section -100.0 To 36.71 %



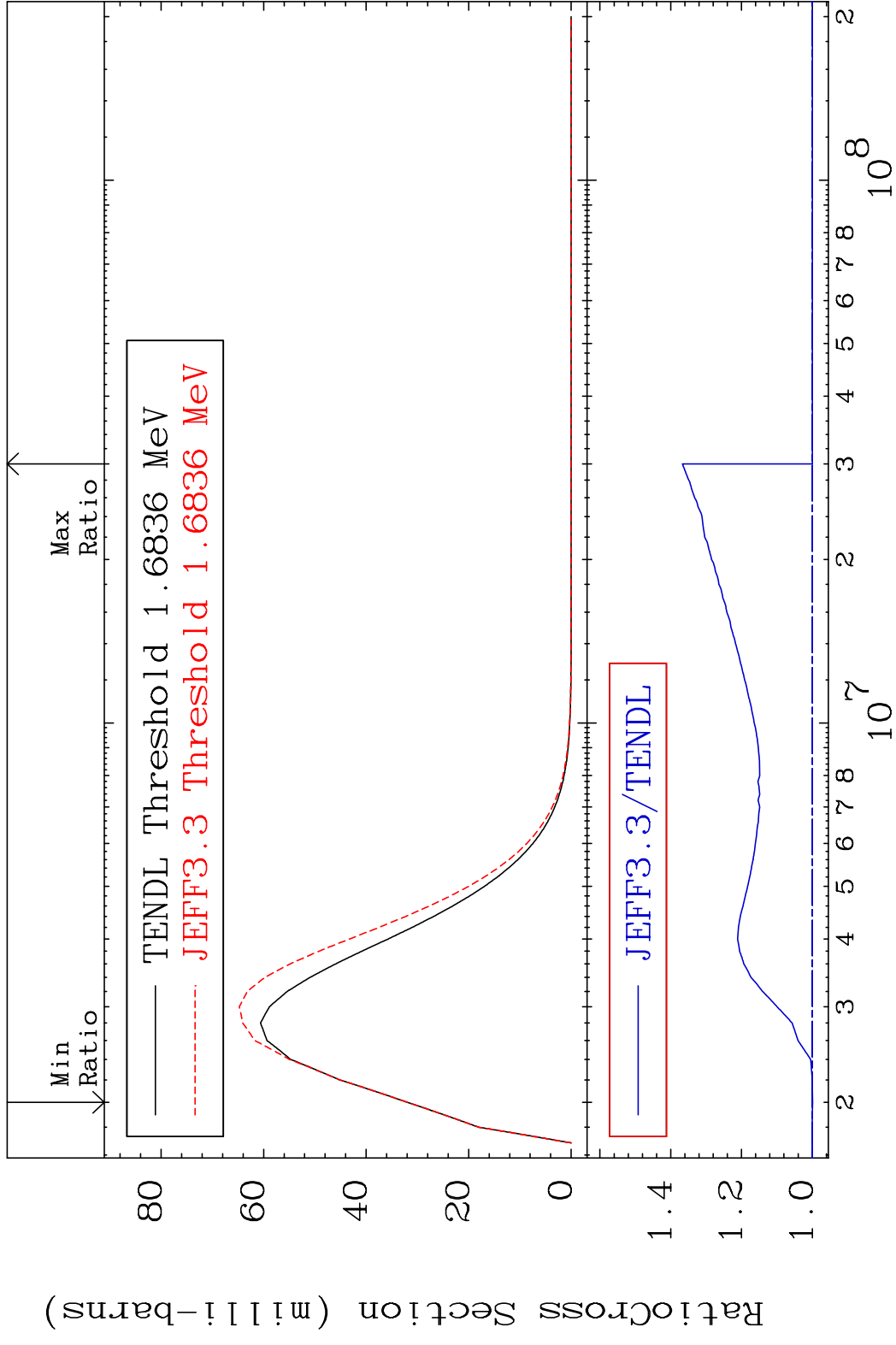
MAT 2840 MT= 58 (n,n') Level 28-Ni-63
 Cross Section -1.818 To 12.02 %



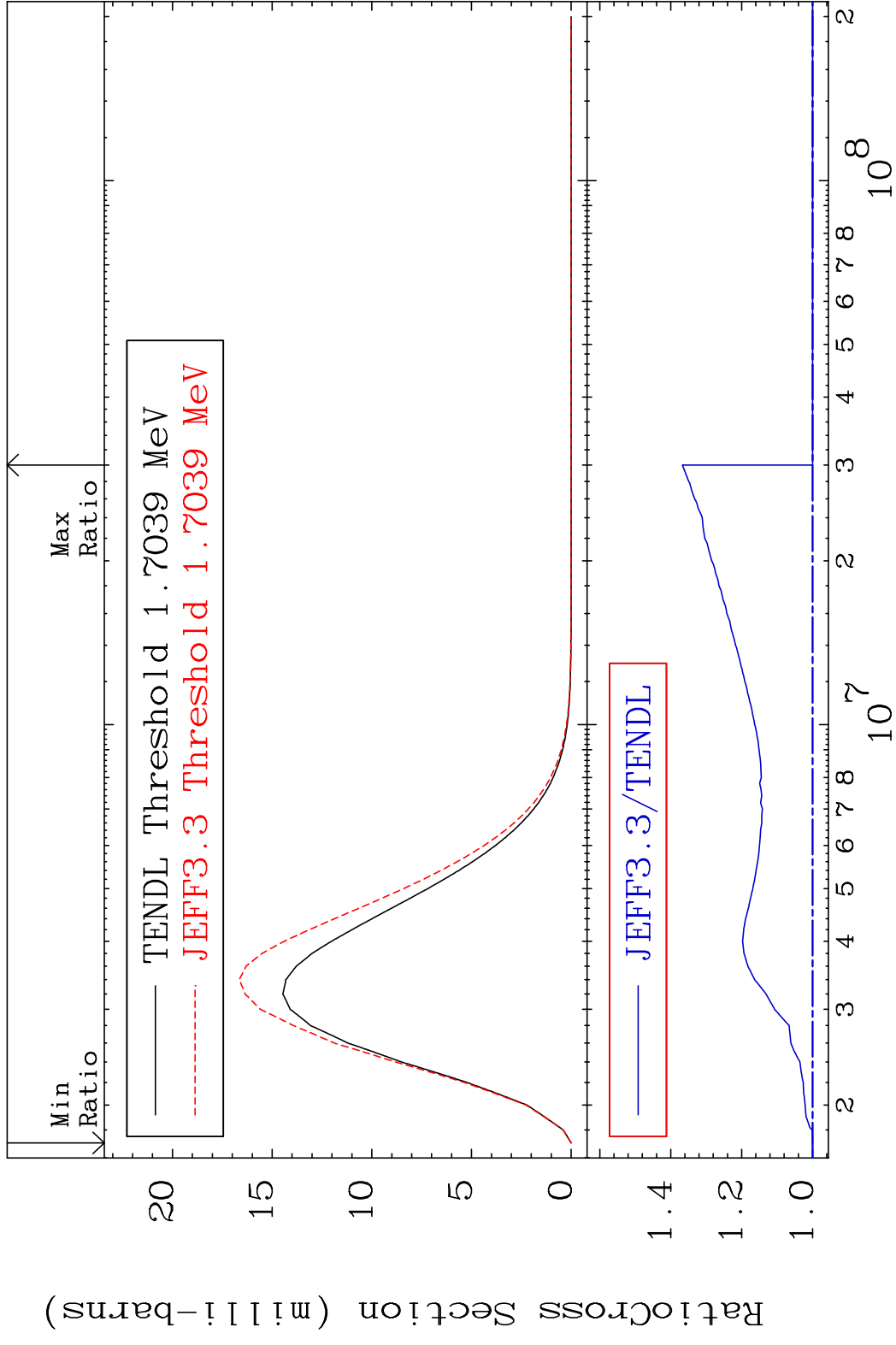
MAT 2840 MT= 59 (n, n') Level 28-Ni-63
 Cross Section -100.0 To 36.71 %



MAT 2840 MT= 60 (n, n') Level 28-Ni-63
 Cross Section -0.072 To 36.71 %

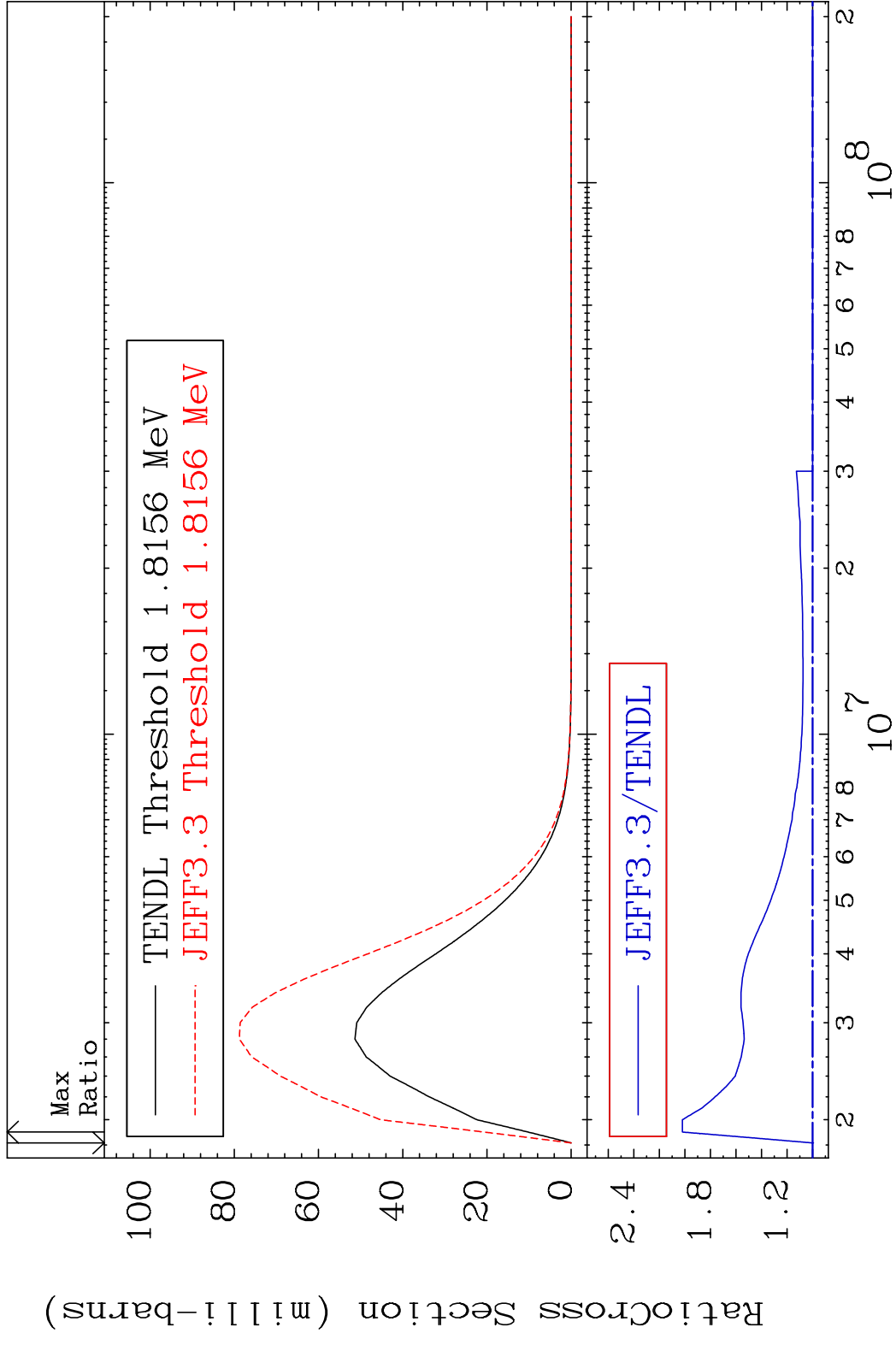


MAT 2840 MT= 61 (n, n') Level 28-Ni-63
 Cross Section 0.000 To 36.71 %

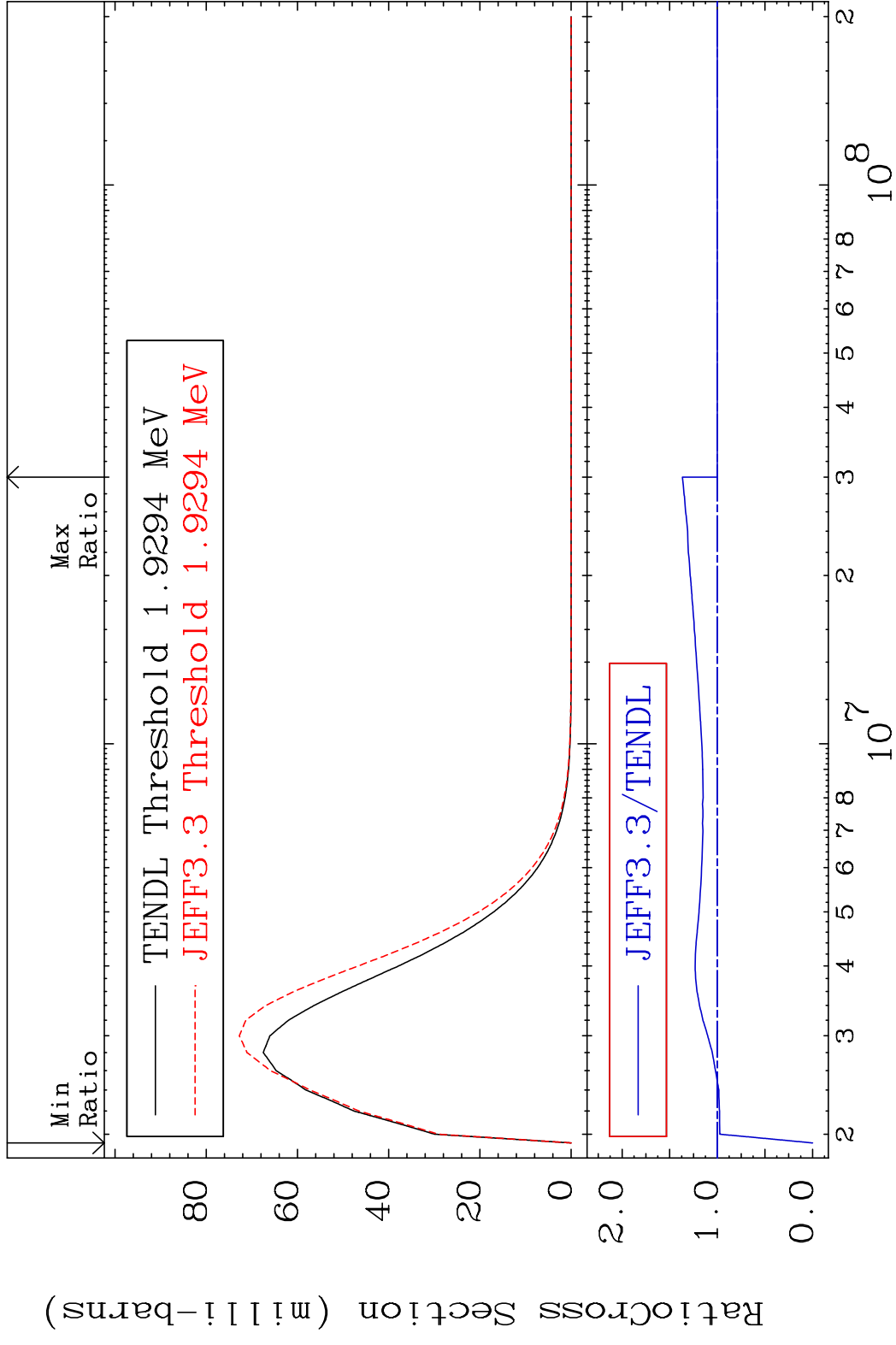


30 Incident Energy (eV) 28-Ni-63

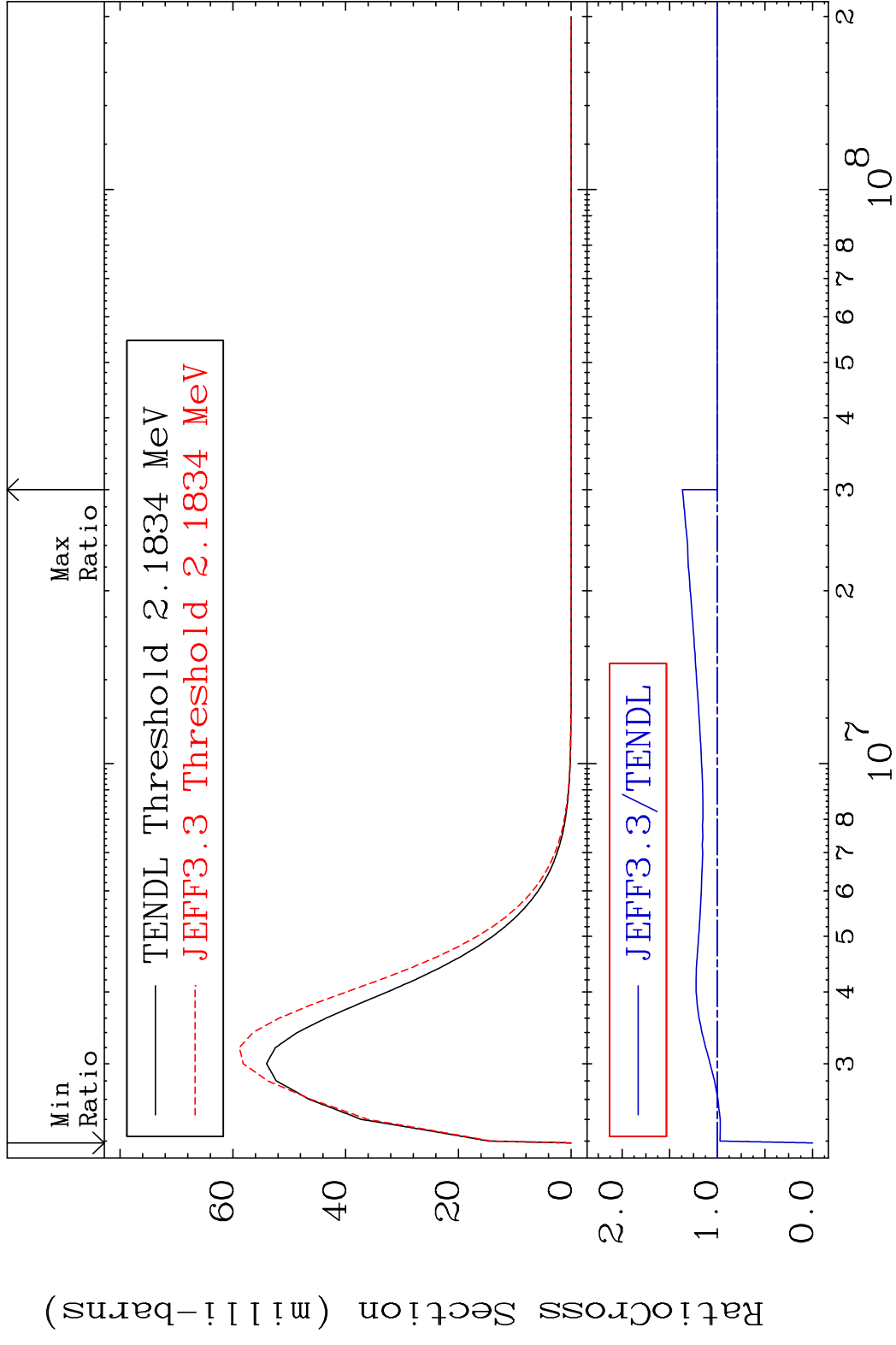
MAT 2840 MT= 62 (n, n') Level 28-Ni-63
 Cross Section 0.000 To 101.9 %



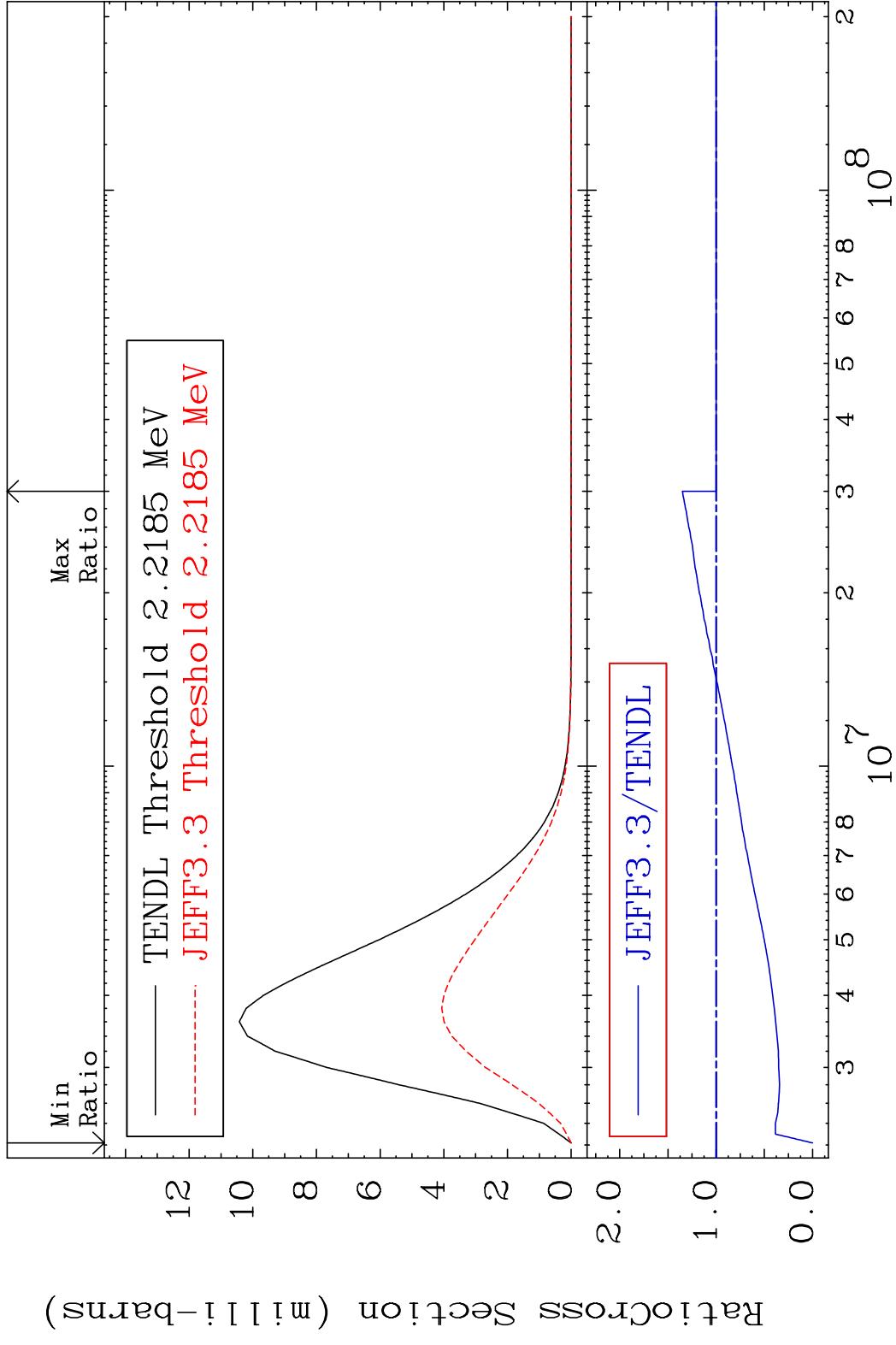
MAT 2840 MT= 63 (n, n') Level 28-Ni-63
 Cross Section -100.0 To 36.71 %



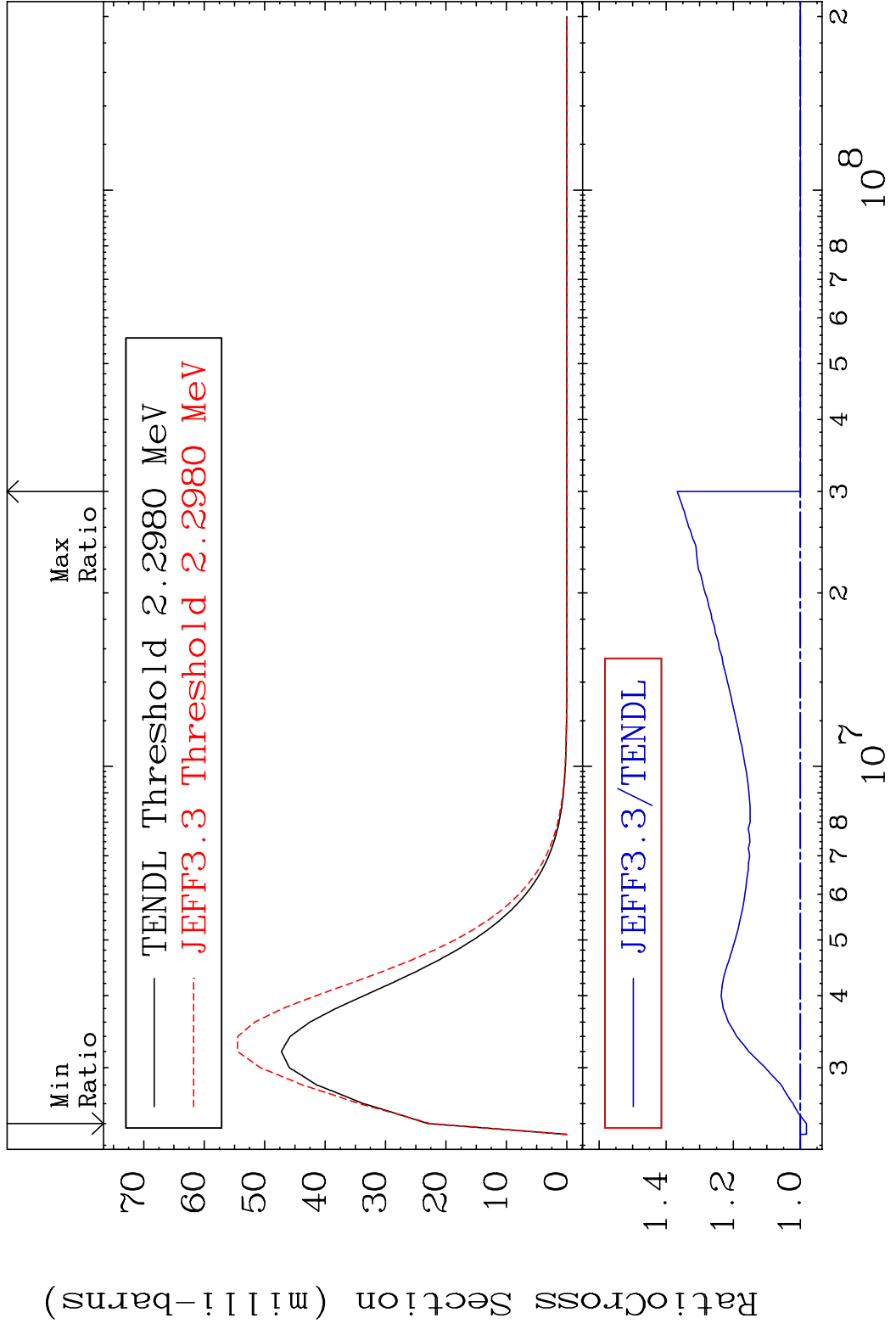
MAT 2840 MT= 64 (n, n') Level 28-Ni-63
 Cross Section -100.0 To 36.72 %



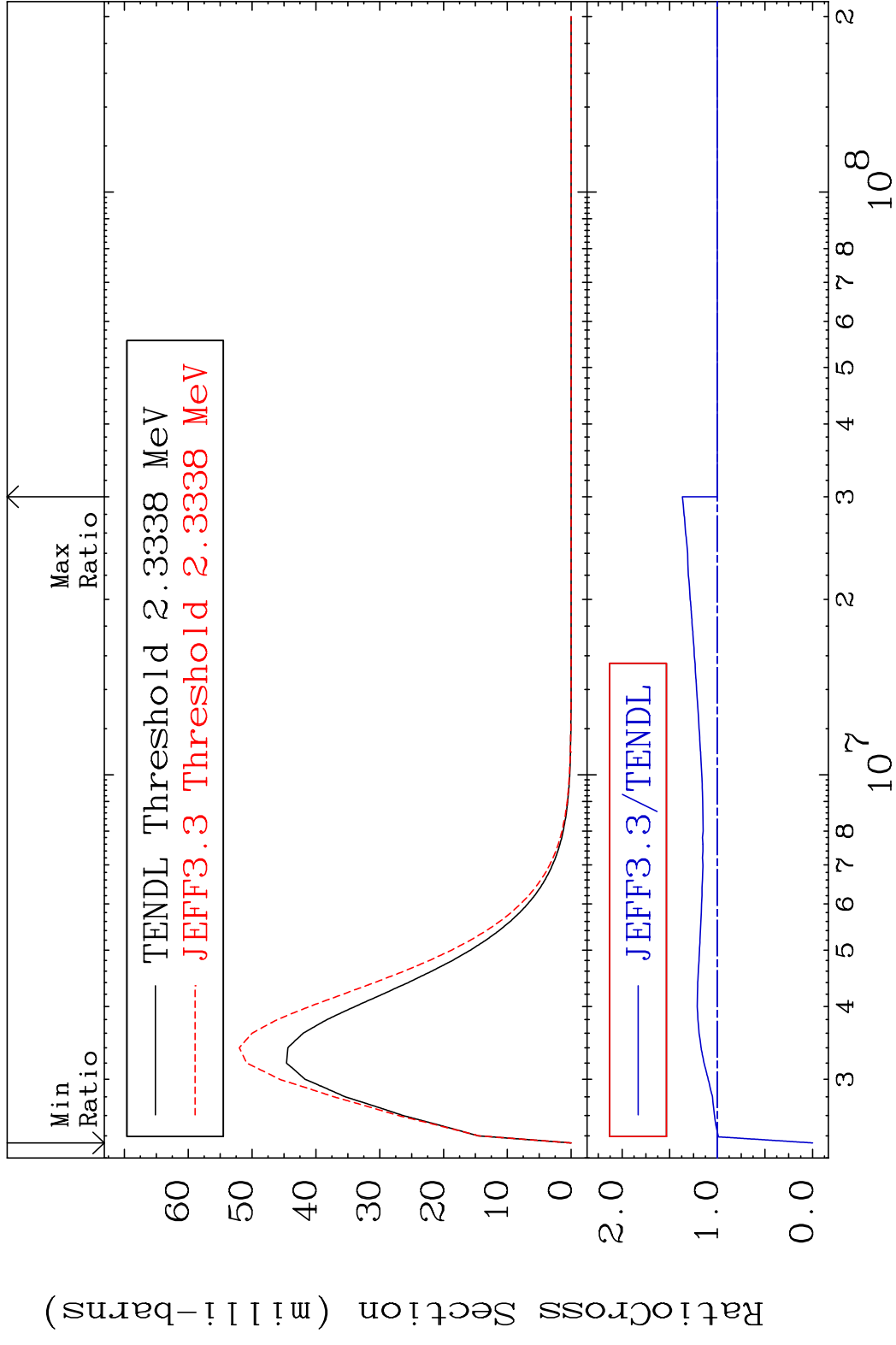
MAT 2840 MT= 65 (n, n') Level 28-Ni-63
 Cross Section -100.0 To 35.08 %



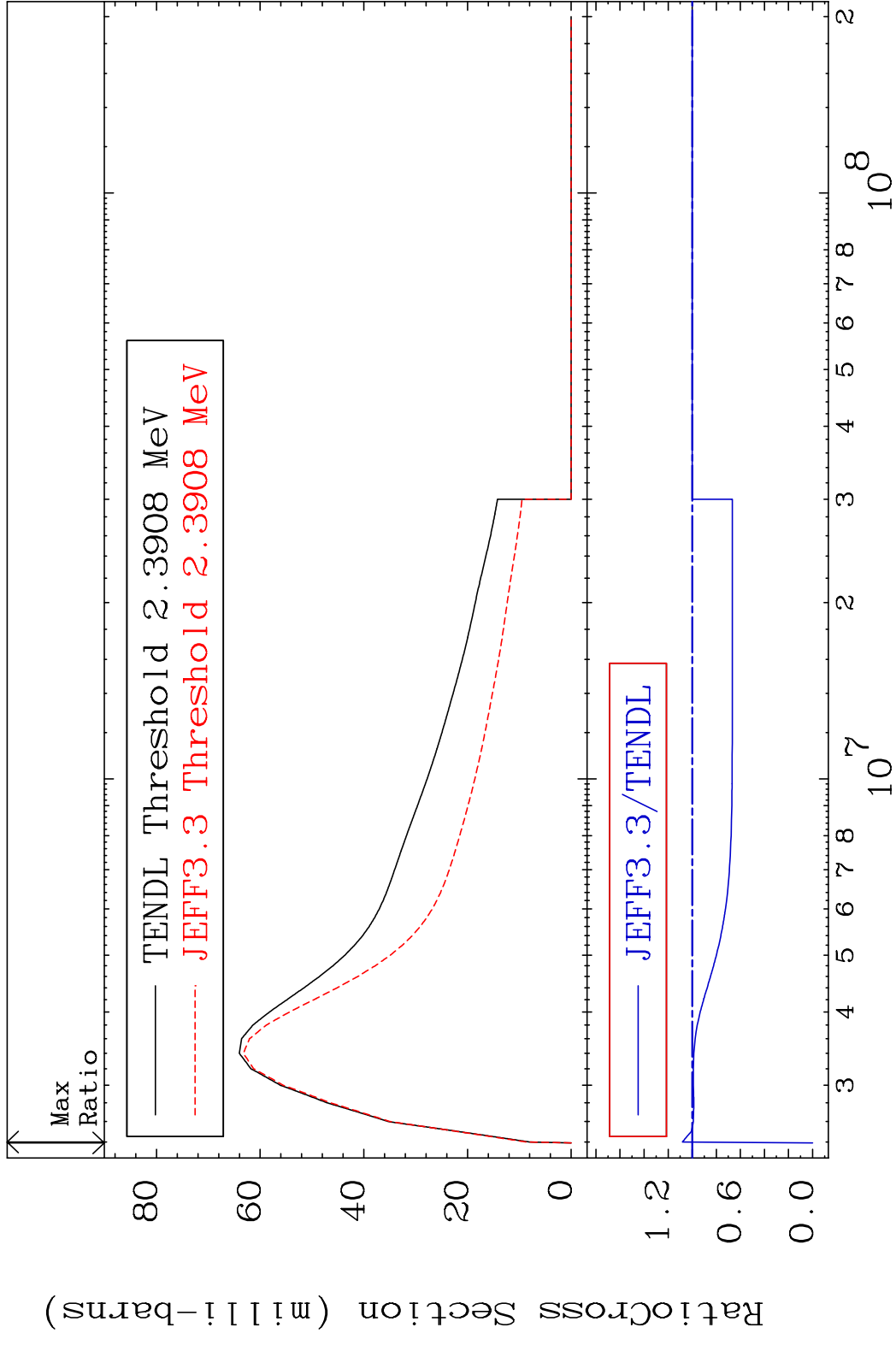
MAT 2840 MT= 66 (n, n') Level 28-Ni-63
 Cross Section -1.791 To 36.71 %



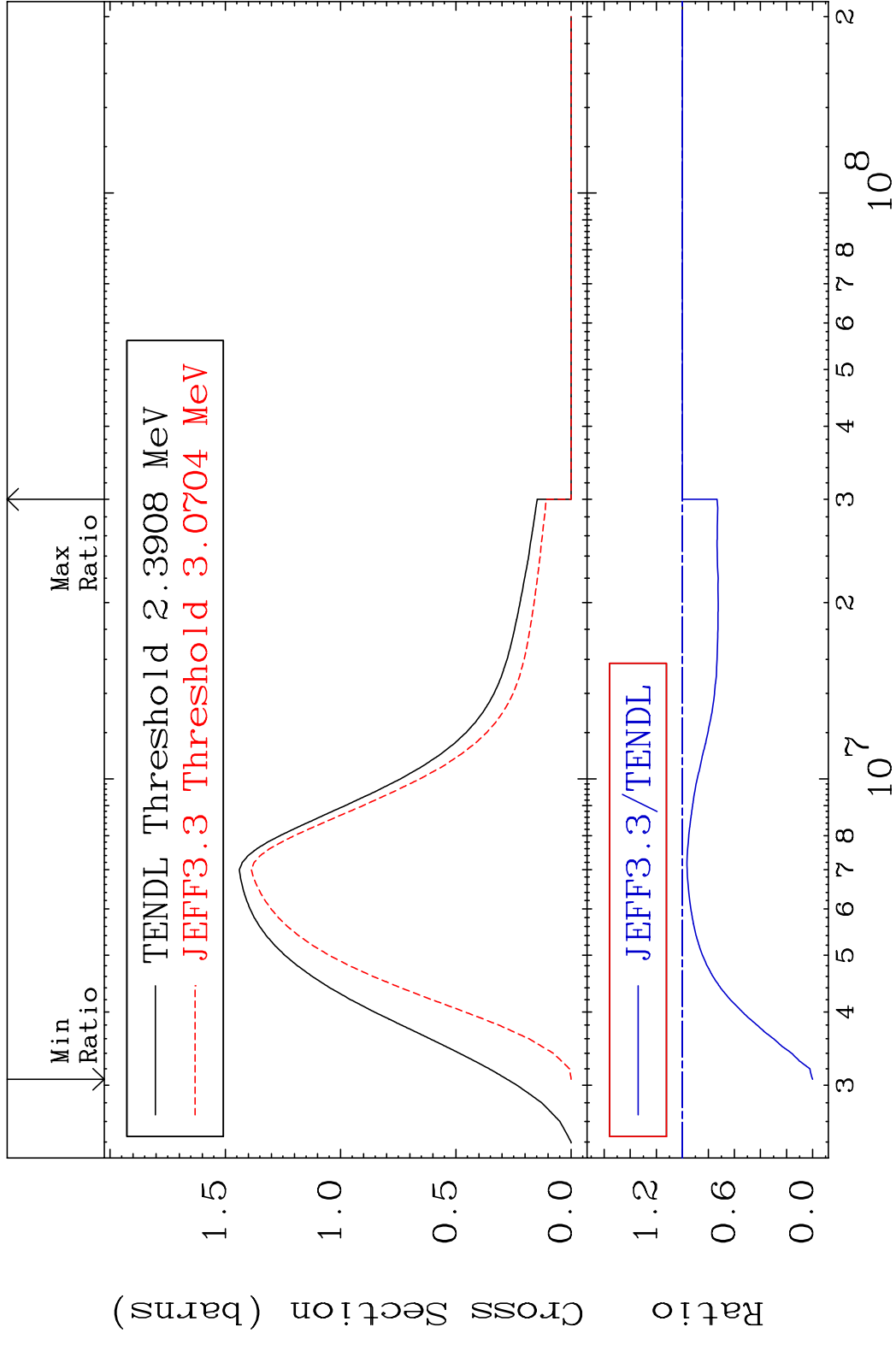
MAT 2840 MT= 67 (n, n') Level 28-Ni-63
 Cross Section -100.0 To 36.71 %



MAT 2840 MT= 68 (n, n') Level 28-Ni-63
 Cross Section -100.0 To 8.186 %



MAT 2840 (n,n') Continuum 28-Ni-63
 Cross Section -100.0 To 0.000 %



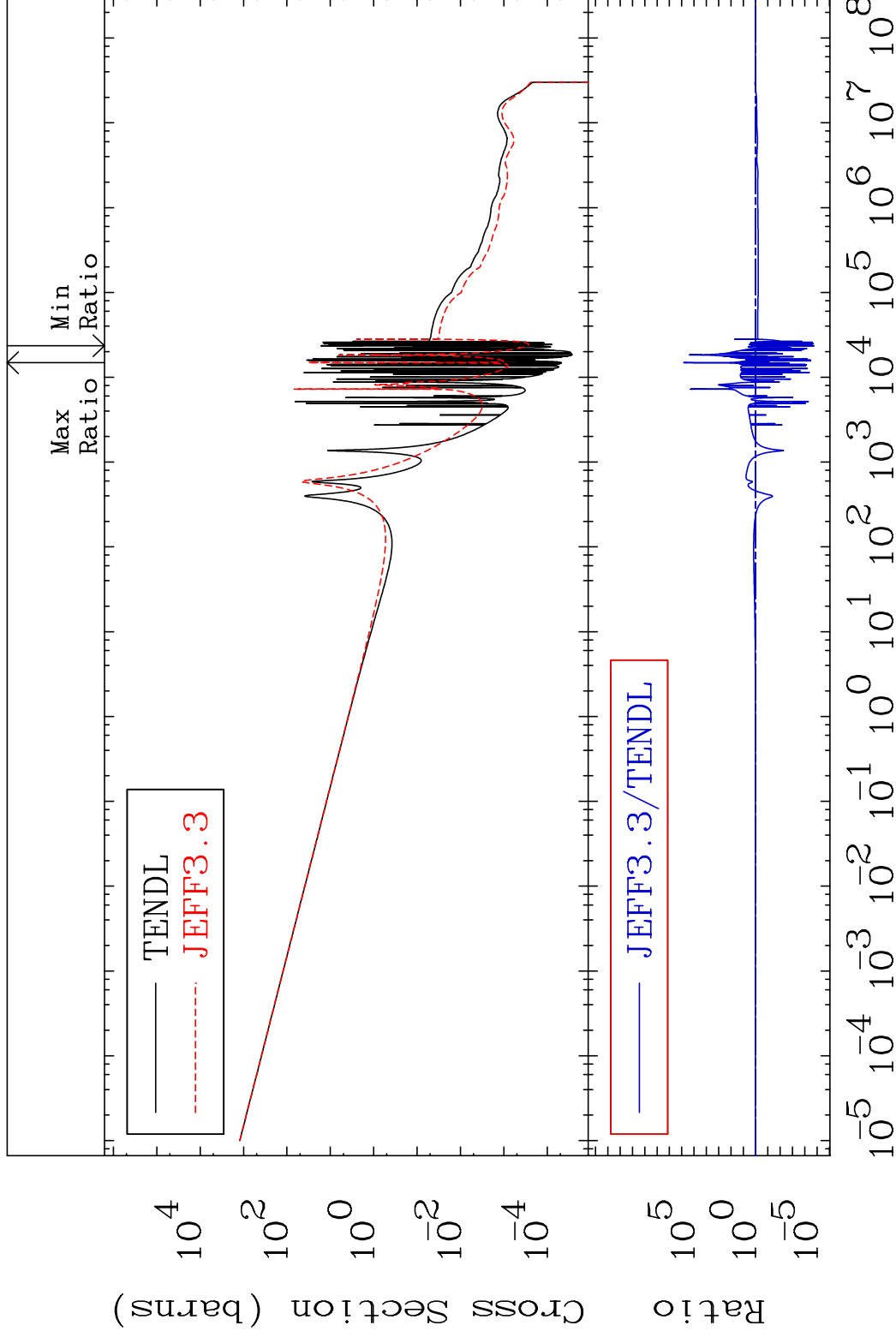
38 Incident Energy (eV) 28-Ni-63

MAT 2840

(n, γ)

28-Ni-63

Cross Section -100.0 To 9999. %

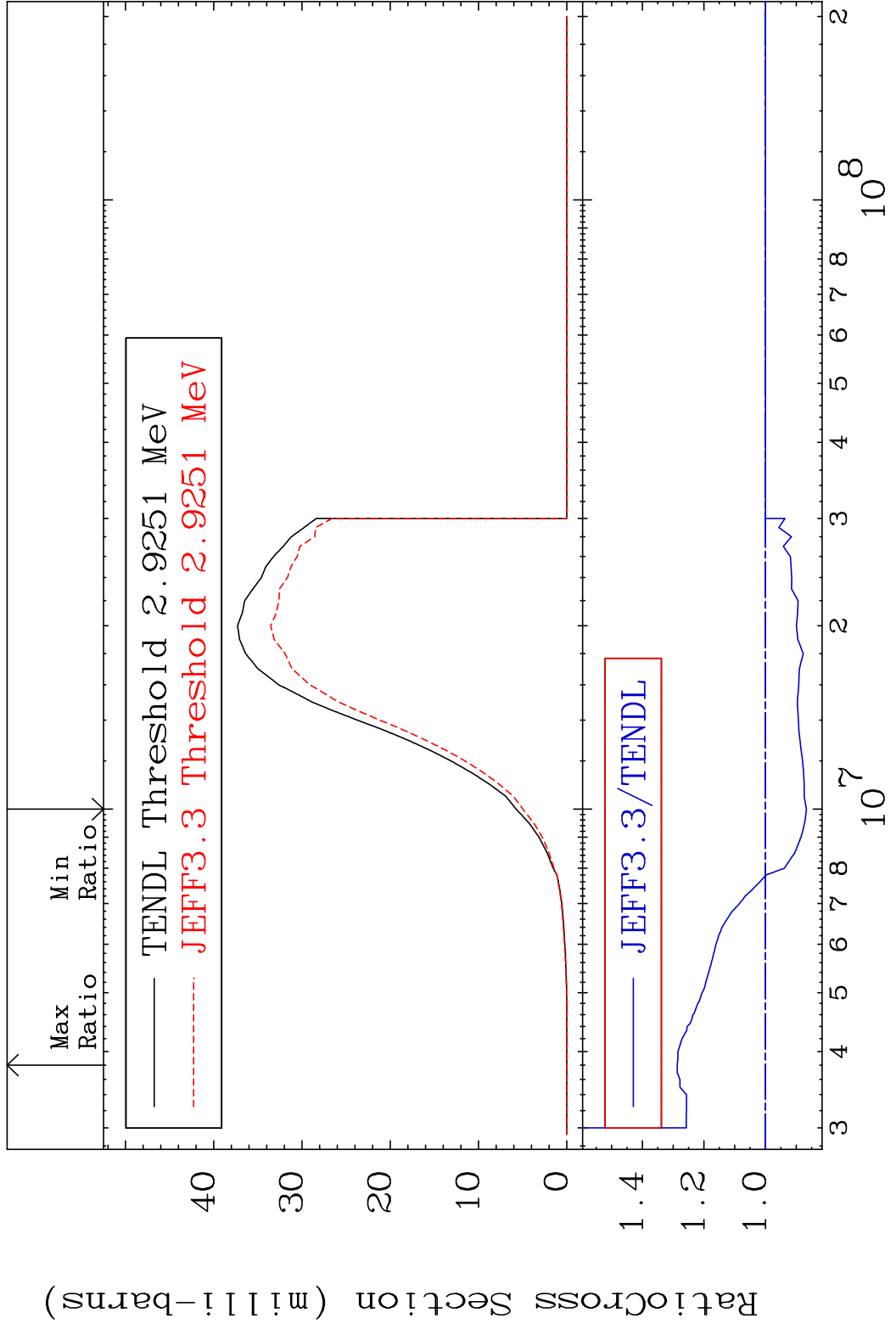


39

Incident Energy (eV)

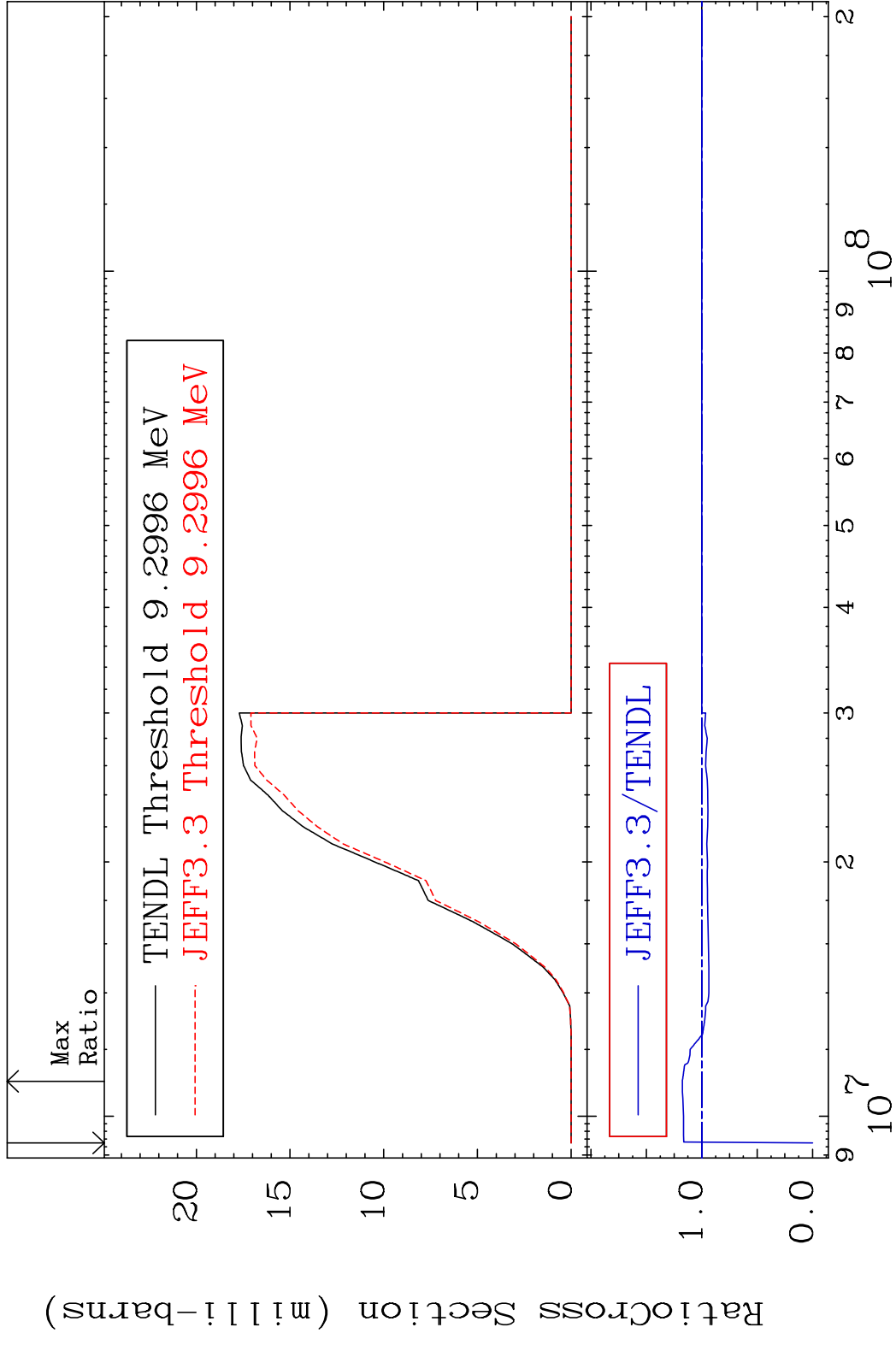
28-Ni-63

MAT 2840 (n,p) 28-Ni-63
 Cross Section -13.31 To 28.67 %



40 28-Ni-63

MAT 2840 (n,d) 28-Ni-63
 Cross Section -100.0 To 17.56 %



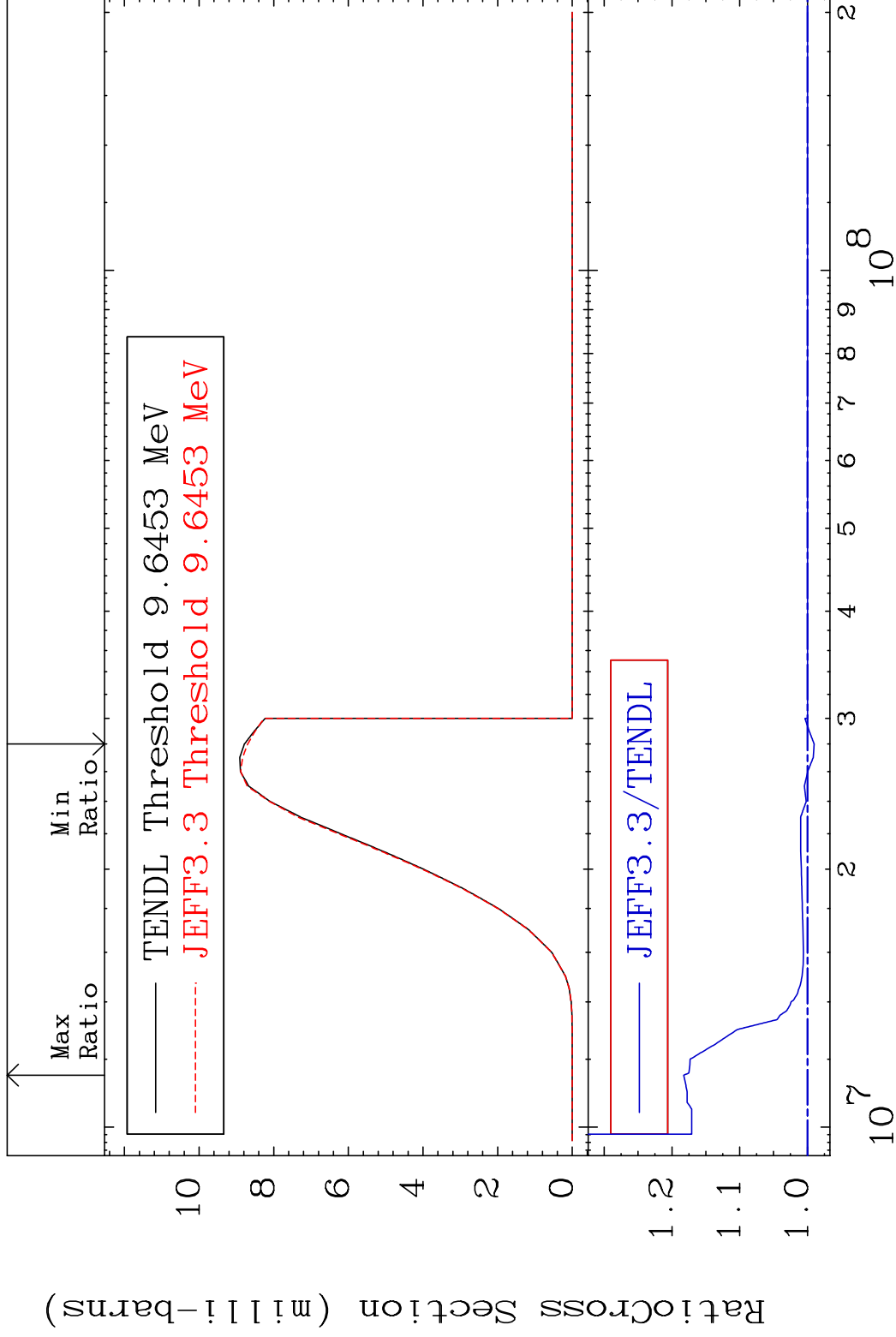
41 28-Ni-63

MAT 2840

(n, t)

28-Ni-63

Cross Section -0.987 To 18.27 %

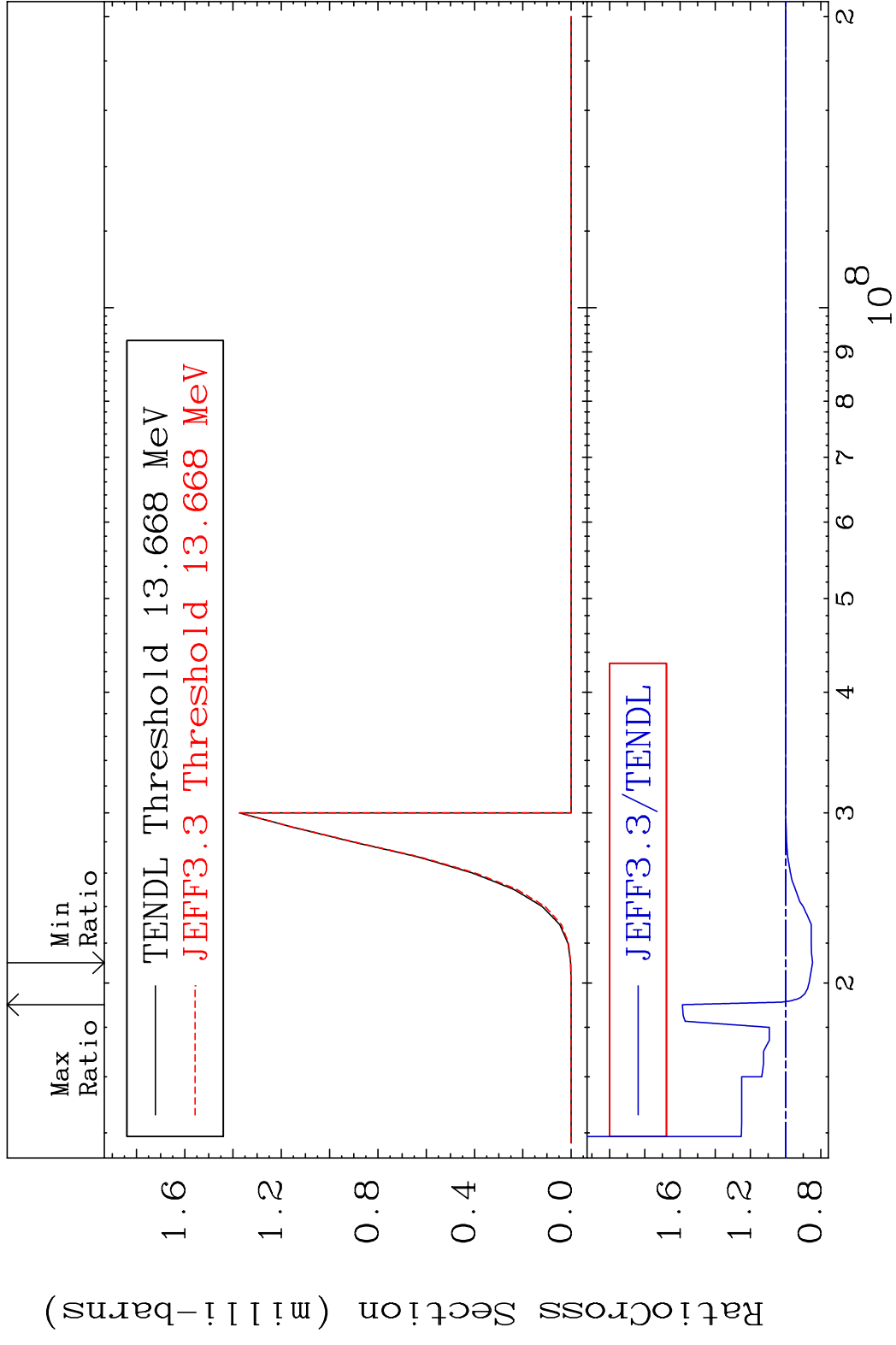


42

Incident Energy (eV)

28-Ni-63

MAT 2840 (n, He-3) 28-Ni-63
 Cross Section -15.27 To 58.67 %

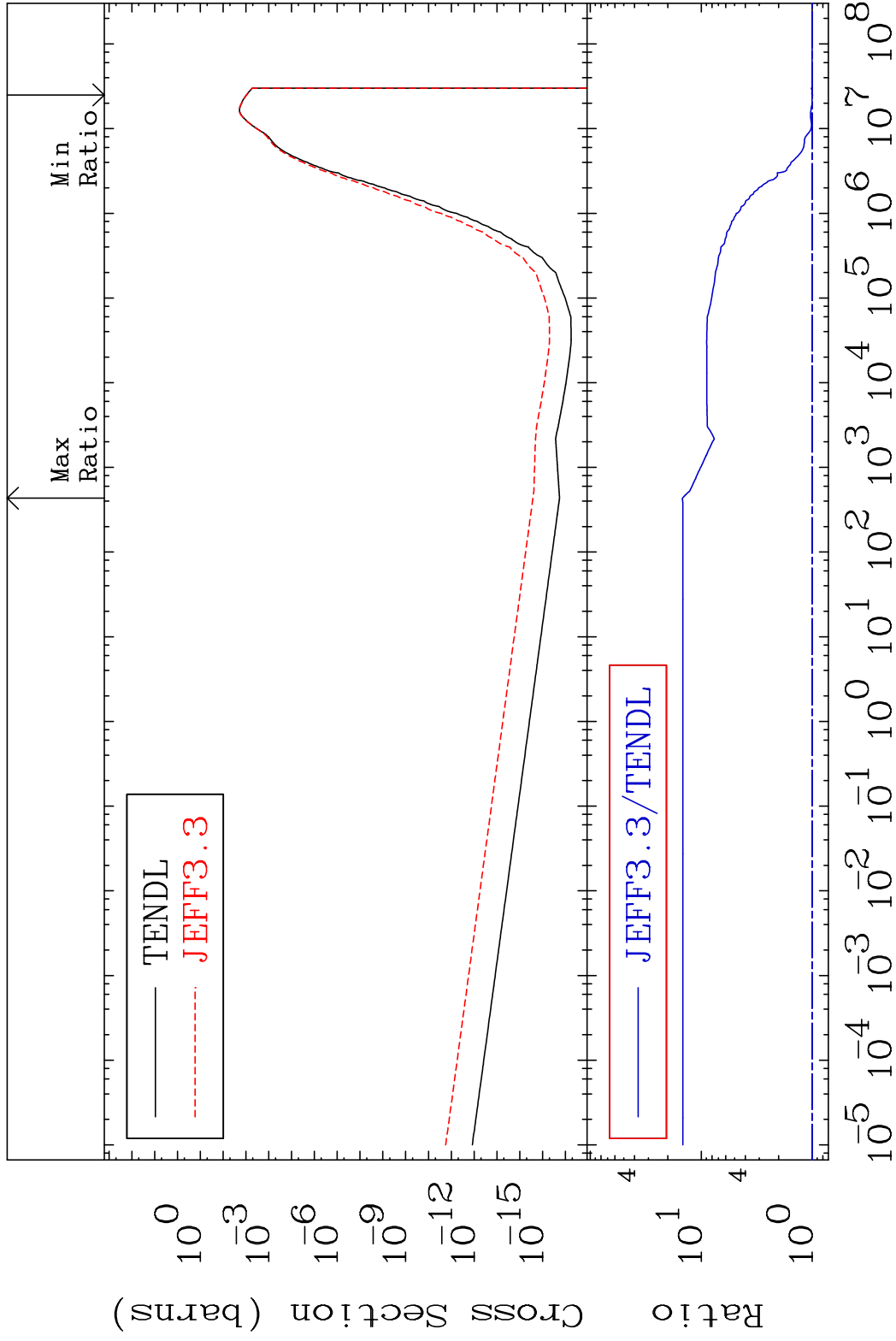


MAT 2840

(n, α)

28-Ni-63

Cross Section -0.913 To 1379. %

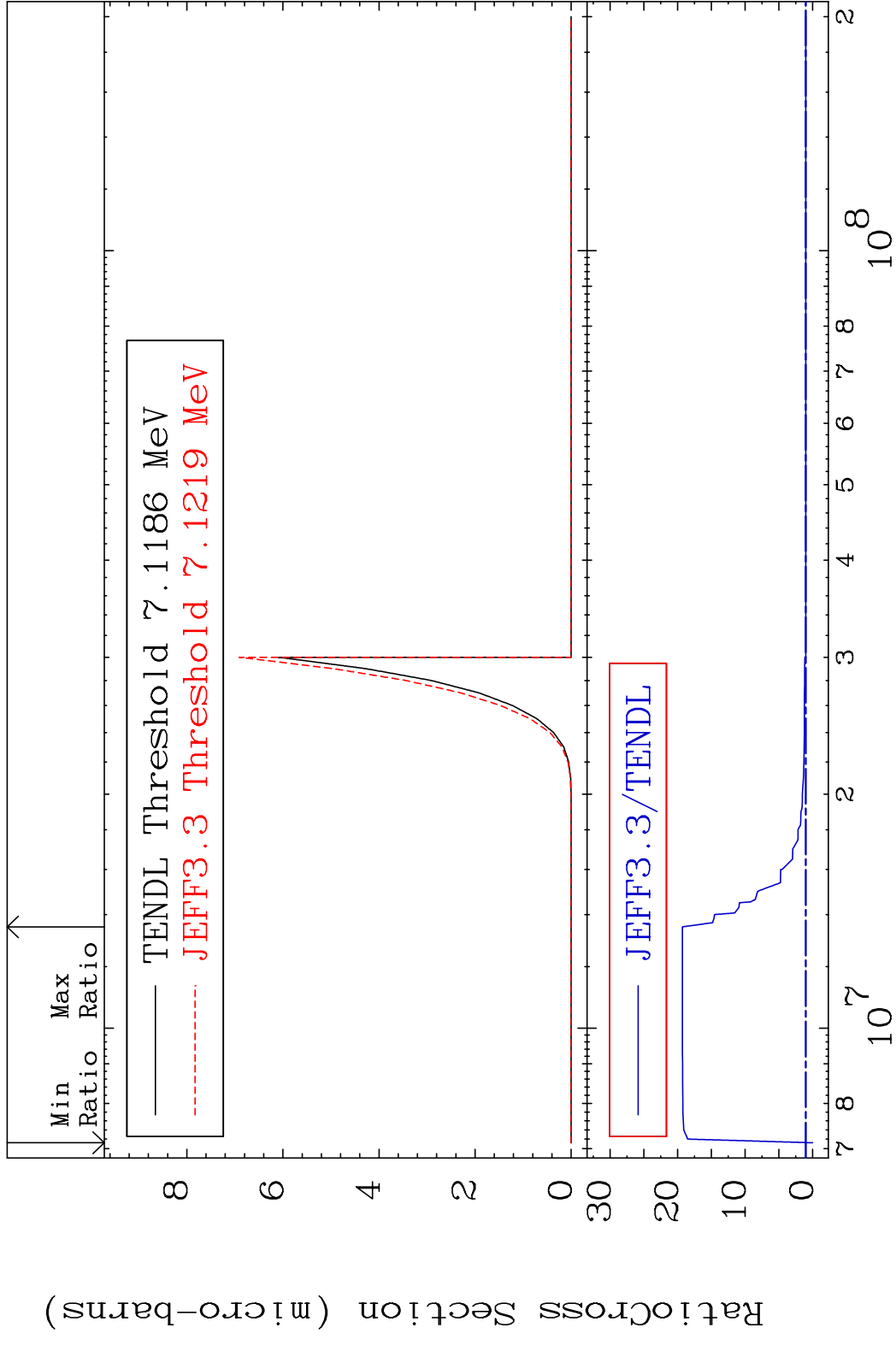


44

Incident Energy (eV)

28-Ni-63

MAT 2840 (n,2α) 28-Ni-63
 Cross Section -100.0 To 1830. %



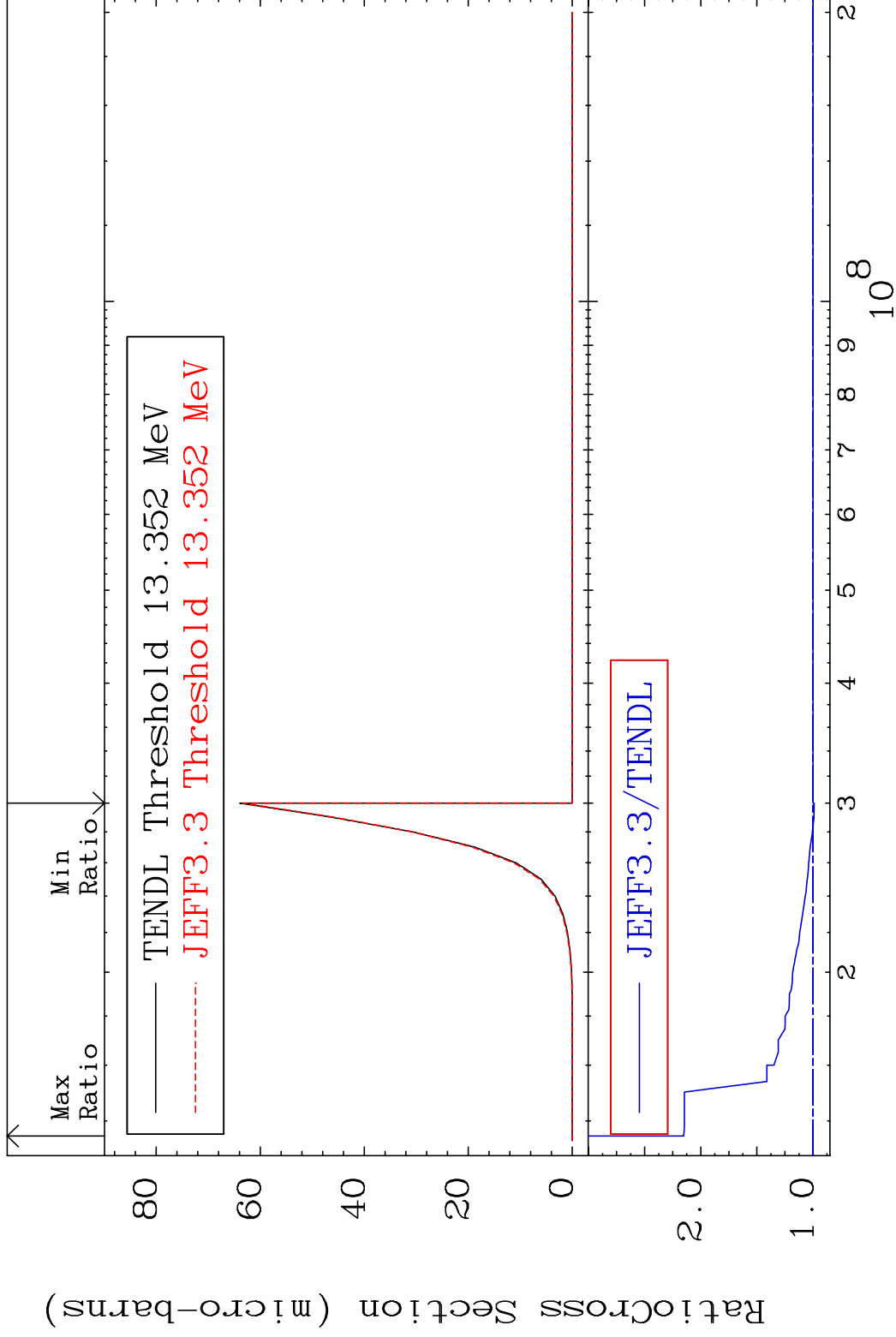
45 Incident Energy (eV) 28-Ni-63

MAT 2840

(n,2p)

28-Ni-63

Cross Section -0.973 To 115.3 %

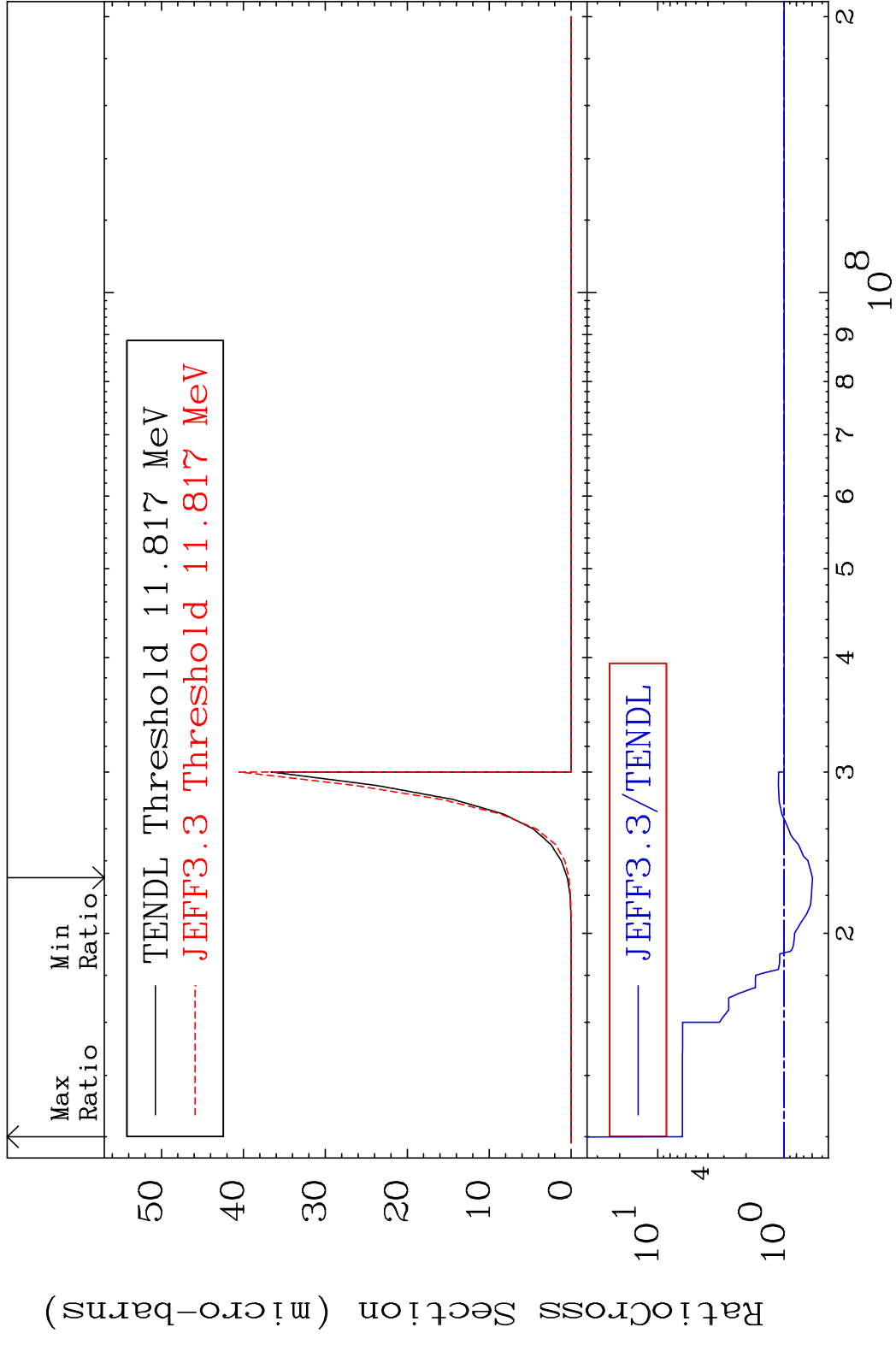


46

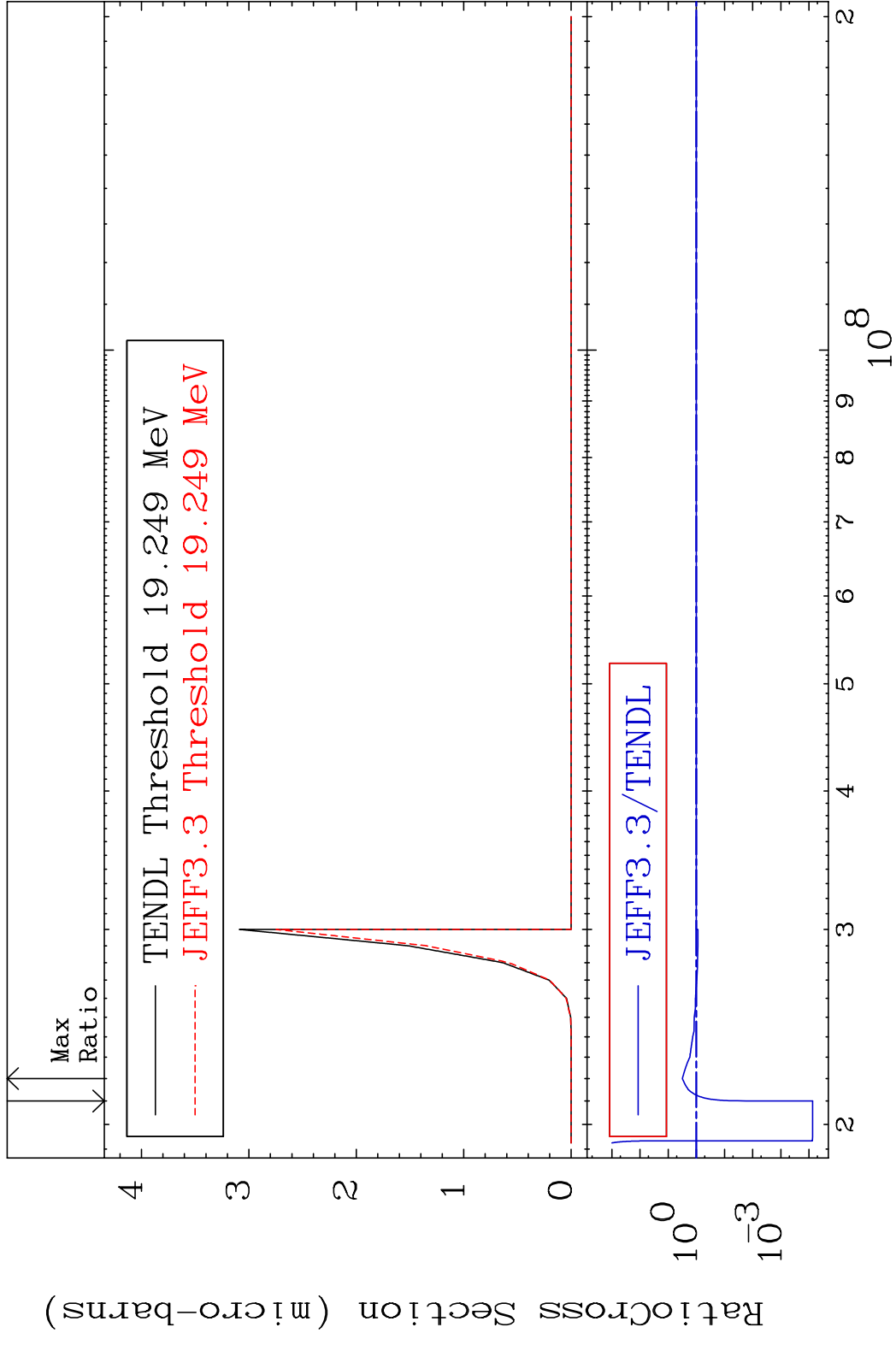
Incident Energy (eV)

28-Ni-63

MAT 2840 (n,p) α 28-Ni-63
 Cross Section -40.48 To 538.3 %

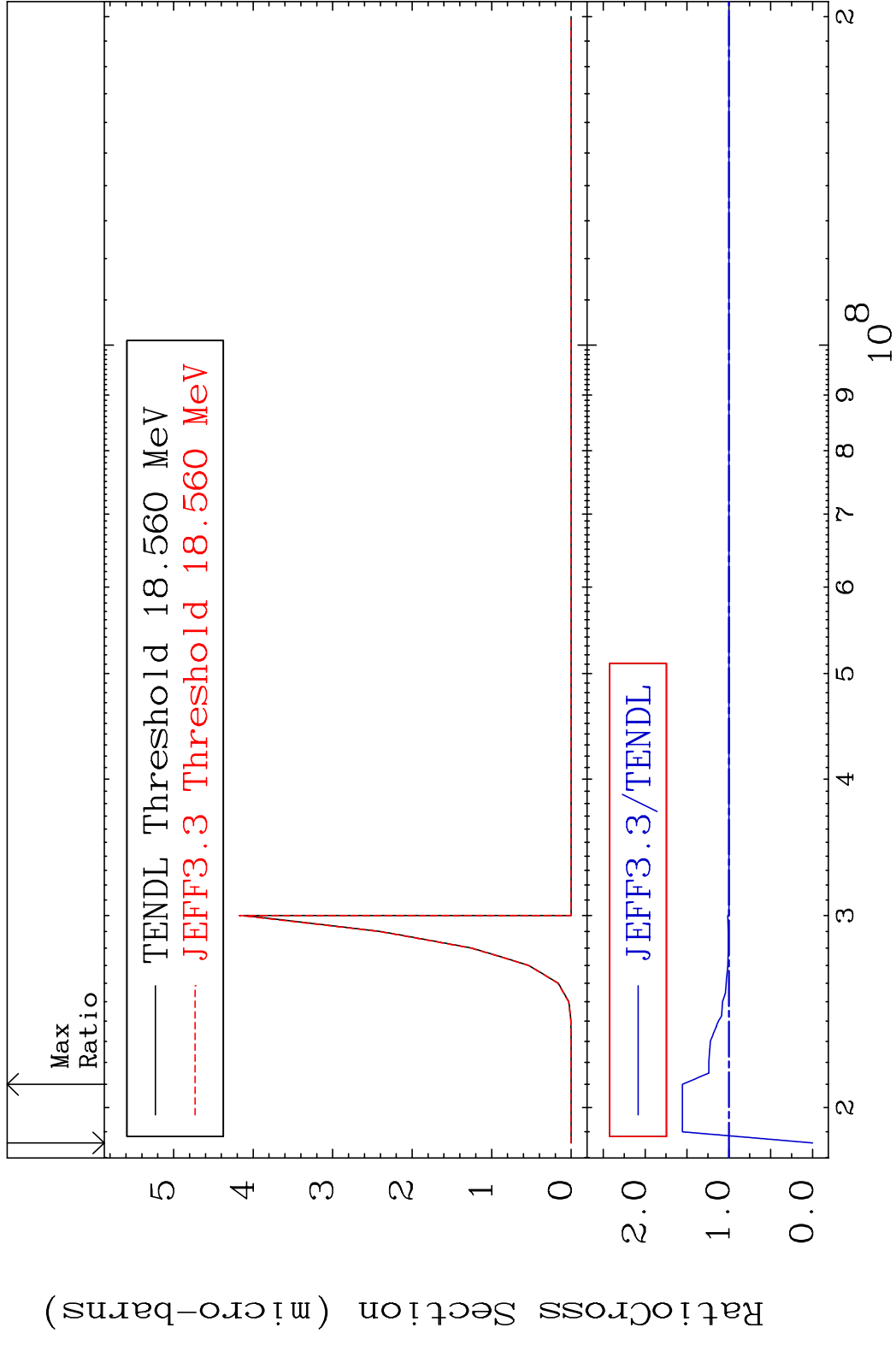


MAT 2840 (n,p) d 28-Ni-63
 Cross Section -99.99 To 214.1 %

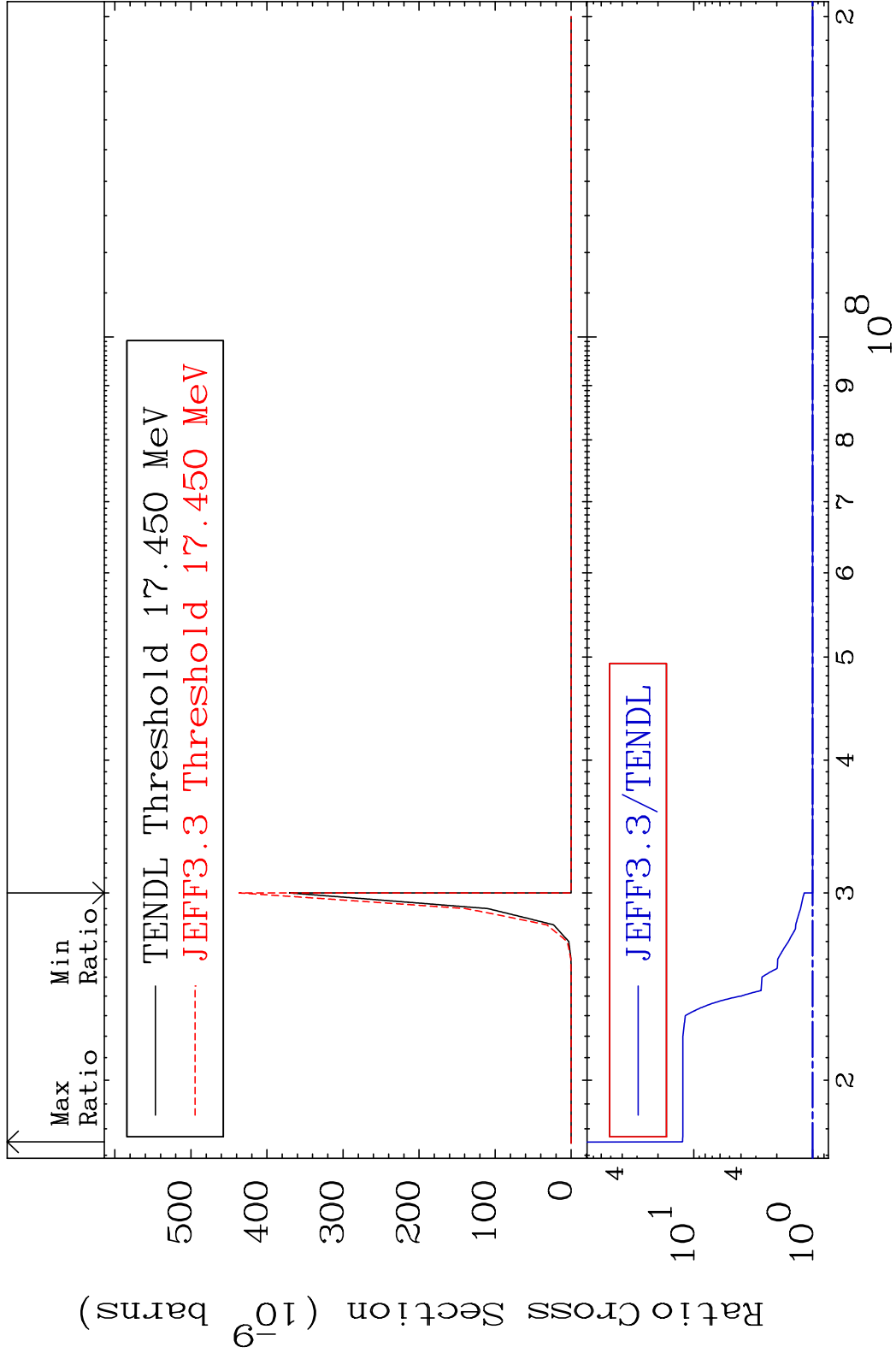


48 Incident Energy (eV) 28-Ni-63

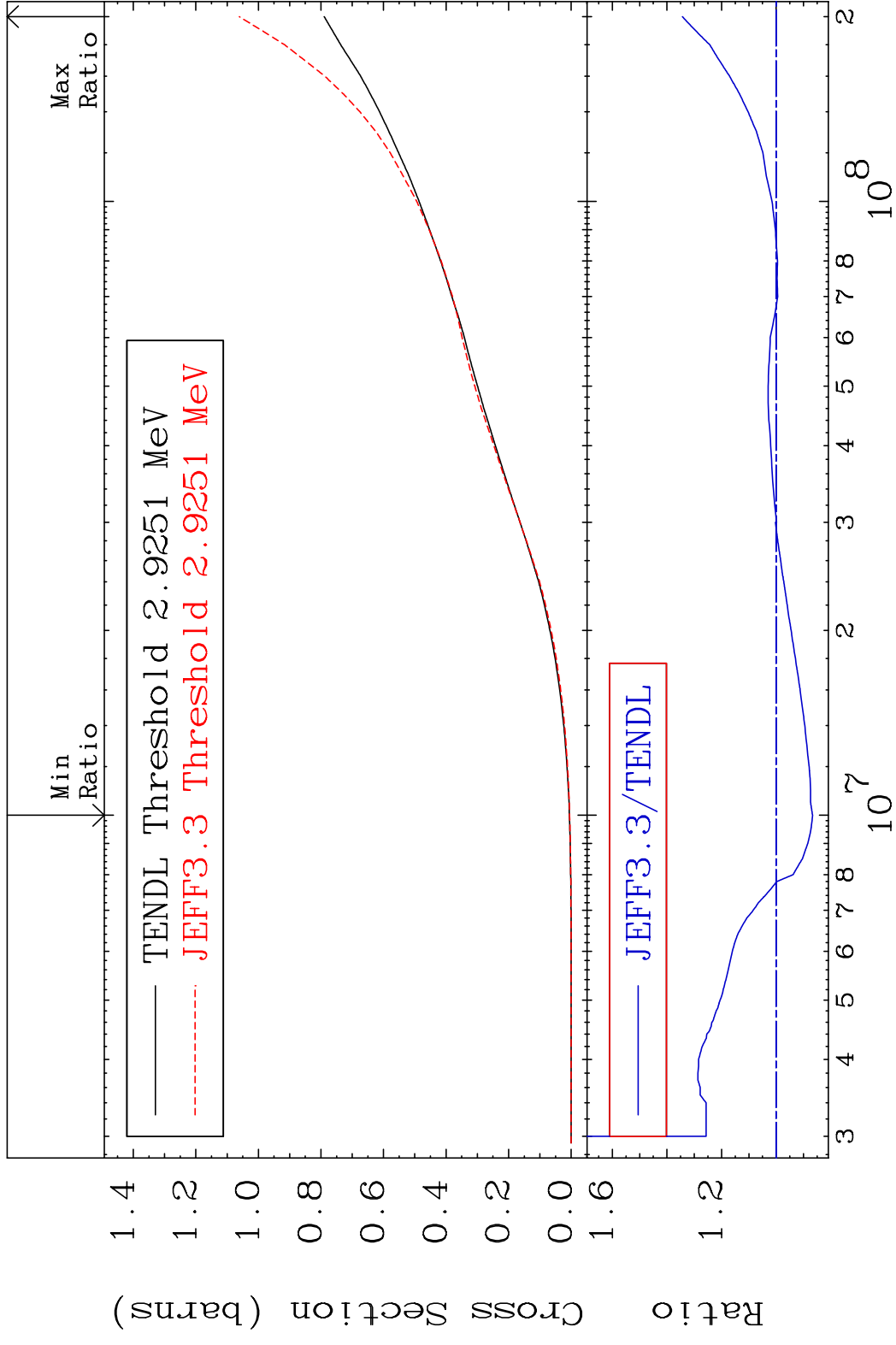
MAT 2840 (n,p) t 28-Ni-63
 Cross Section -100.0 To 55.53 %



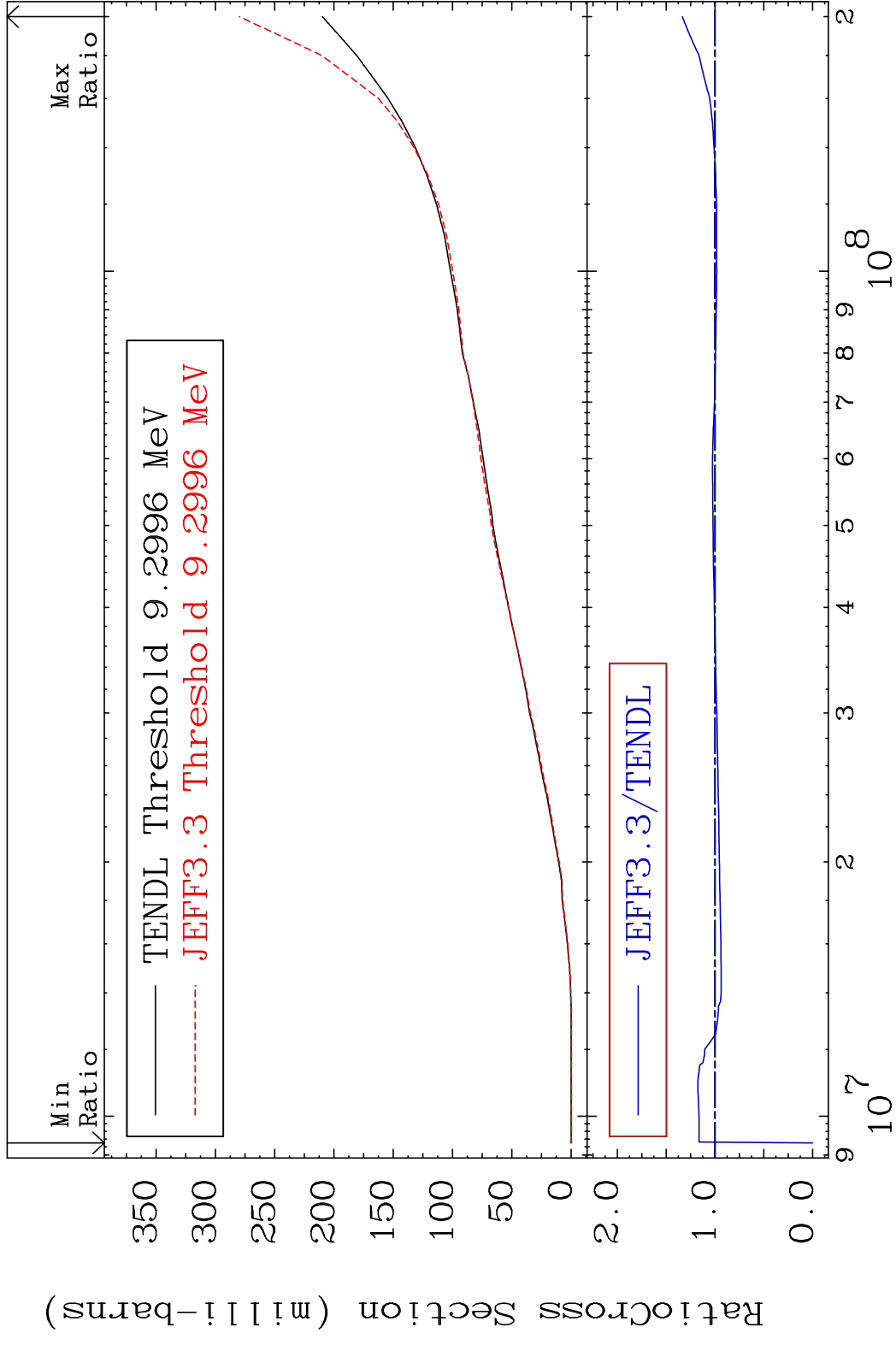
MAT 2840 (n,d) α 28-Ni-63
 Cross Section 0.000 To 1147. %



MAT 2840 Hydrogen Production $^{28}\text{Ni-63}$
 Cross Section -13.31 To 34.36 %



MAT 2840 Deuterium Production 28-Ni-63
 Cross Section -100.0 To 33.41 %



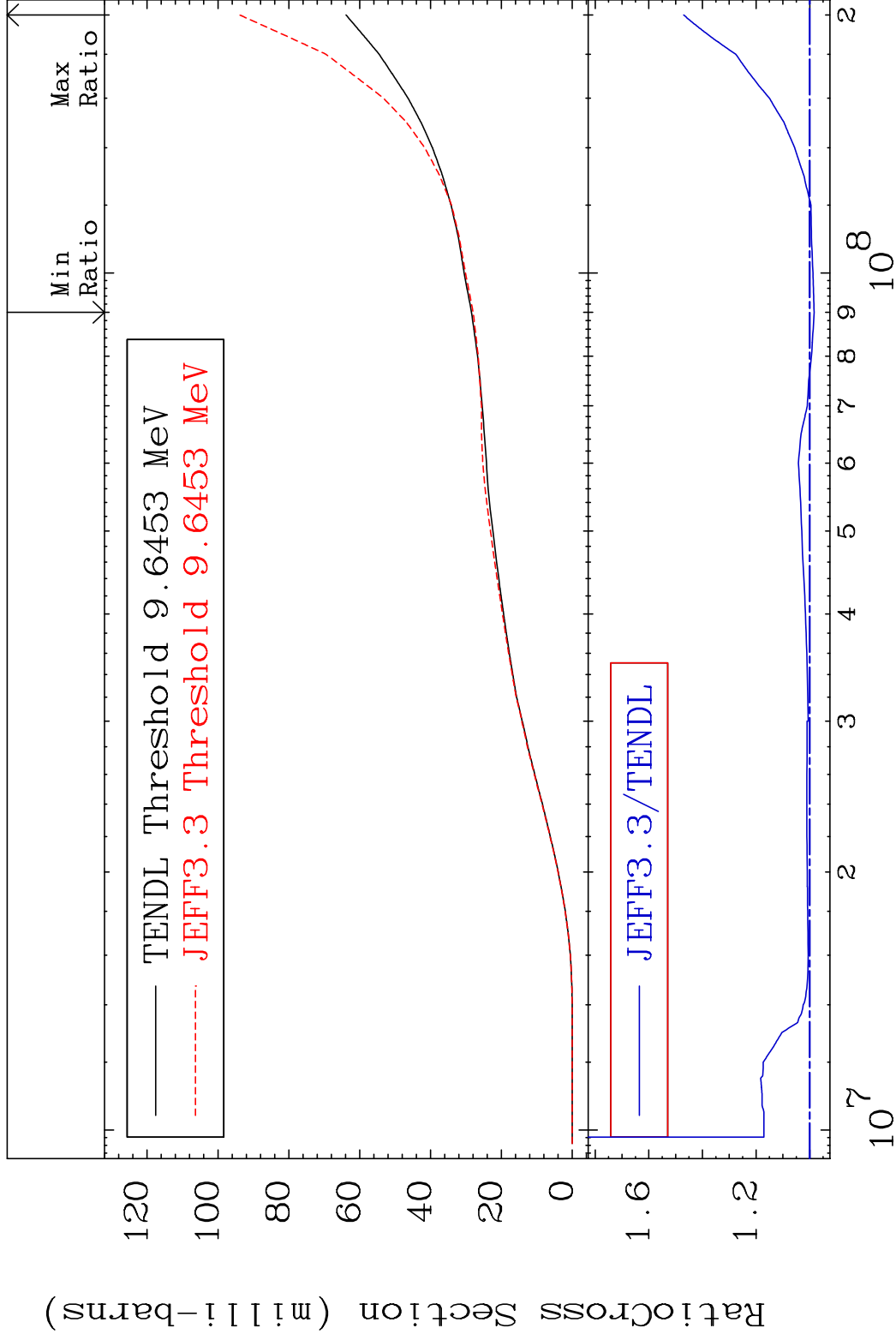
52 Incident Energy (eV) 28-Ni-63

MAT 2840

Tritium Production

²⁸Ni-63

Cross Section -1.642 To 47.00 %

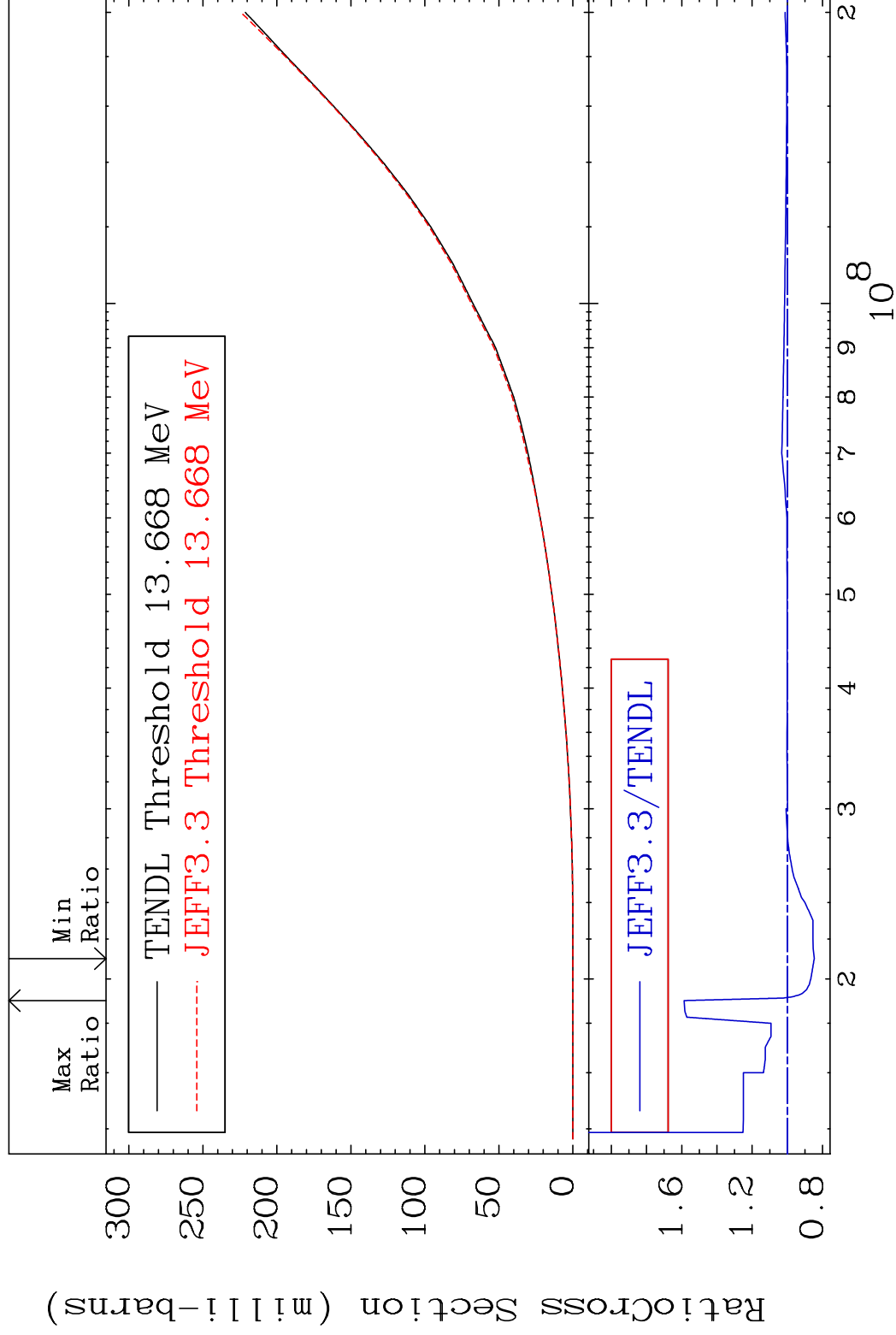


MAT 2840

He-3 Production

²⁸Ni-63

Cross Section -15.27 To 58.67 %



54

Incident Energy (eV)

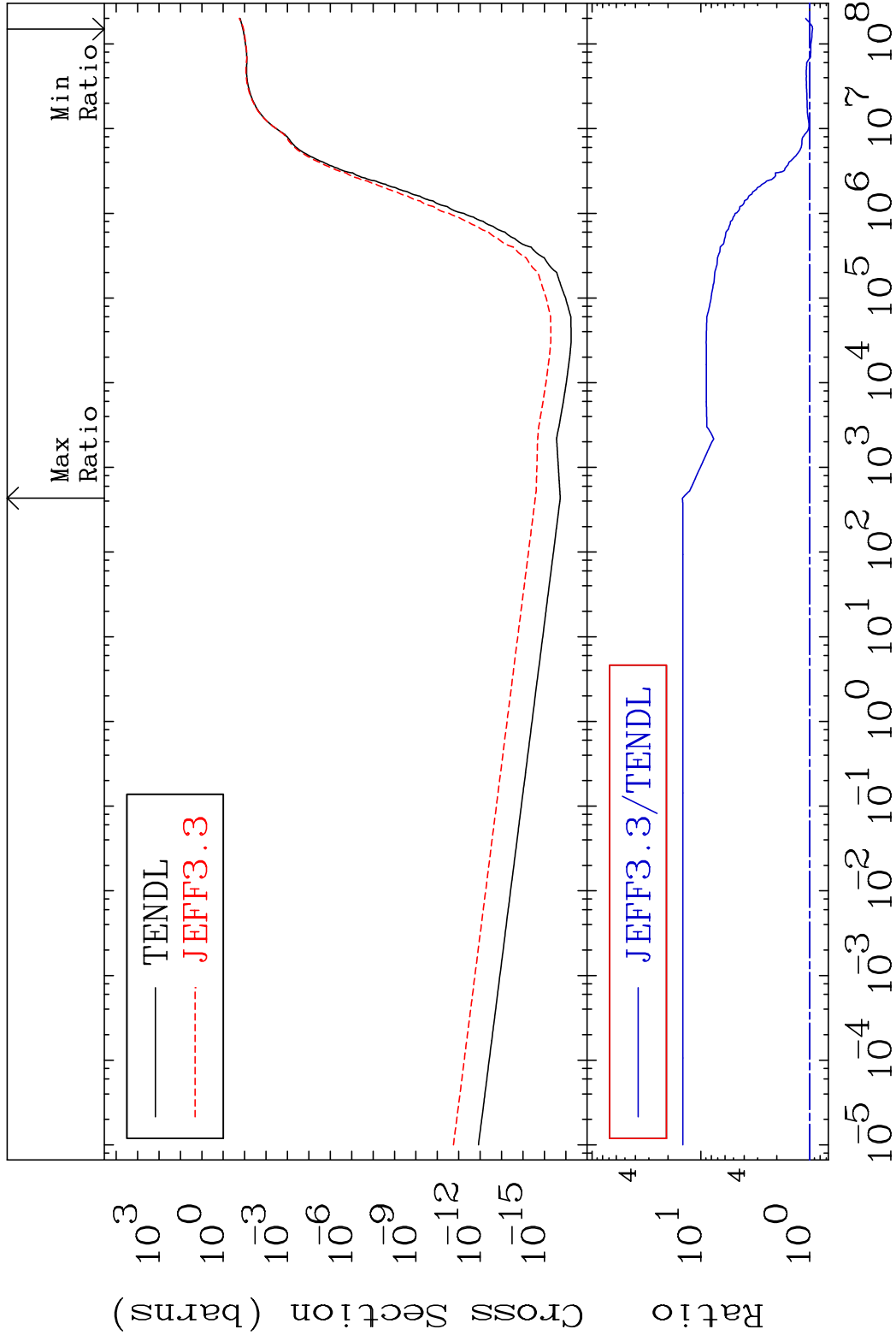
²⁸Ni-63

MAT 2840

He-4 Production

28-Ni-63

Cross Section -6.177 To 1379. %

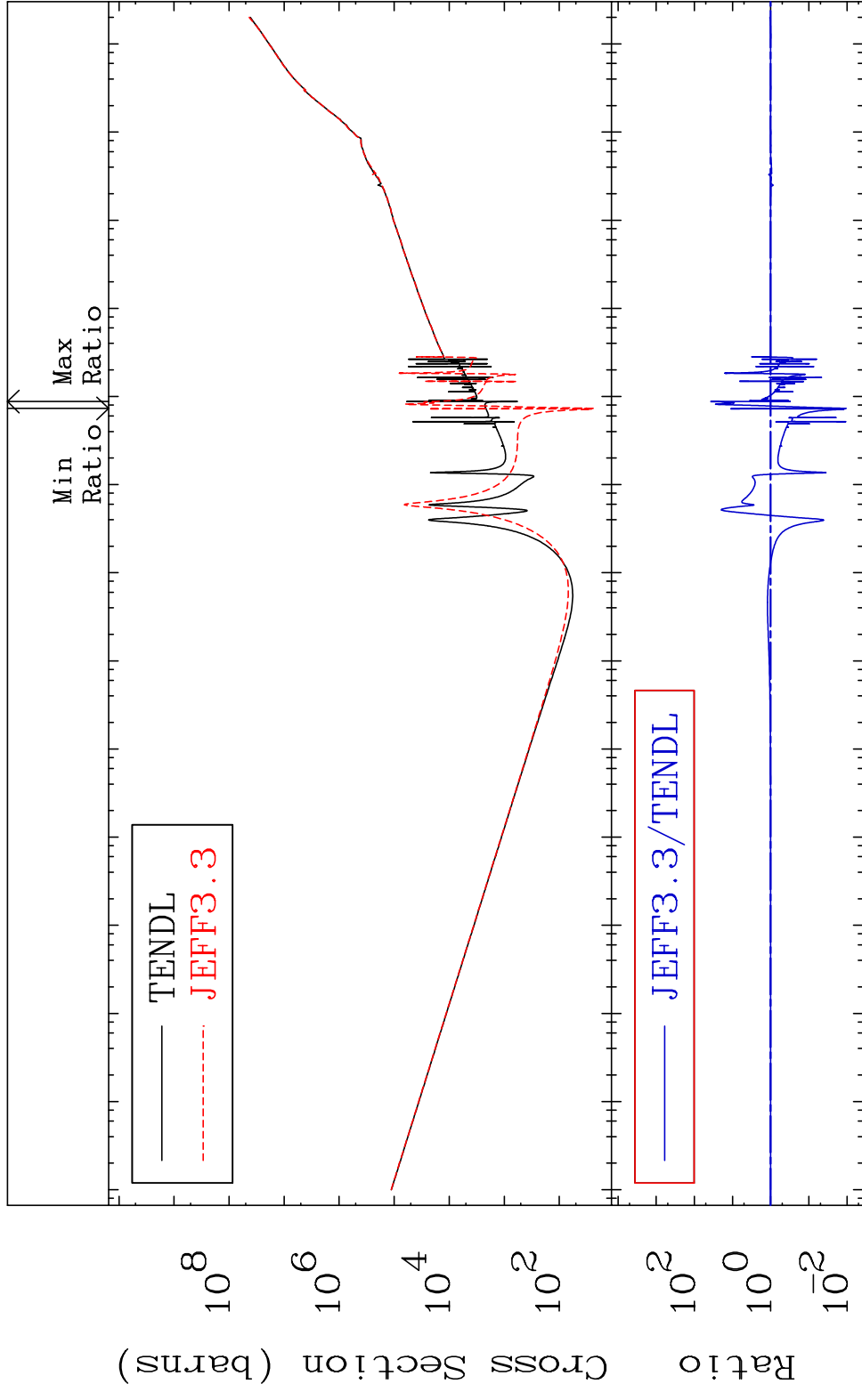


55

Incident Energy (eV)

28-Ni-63

MAT 2840 Kerma total (eV-barns) 28-Ni-63
 Cross Section -98.95 To 3630. %



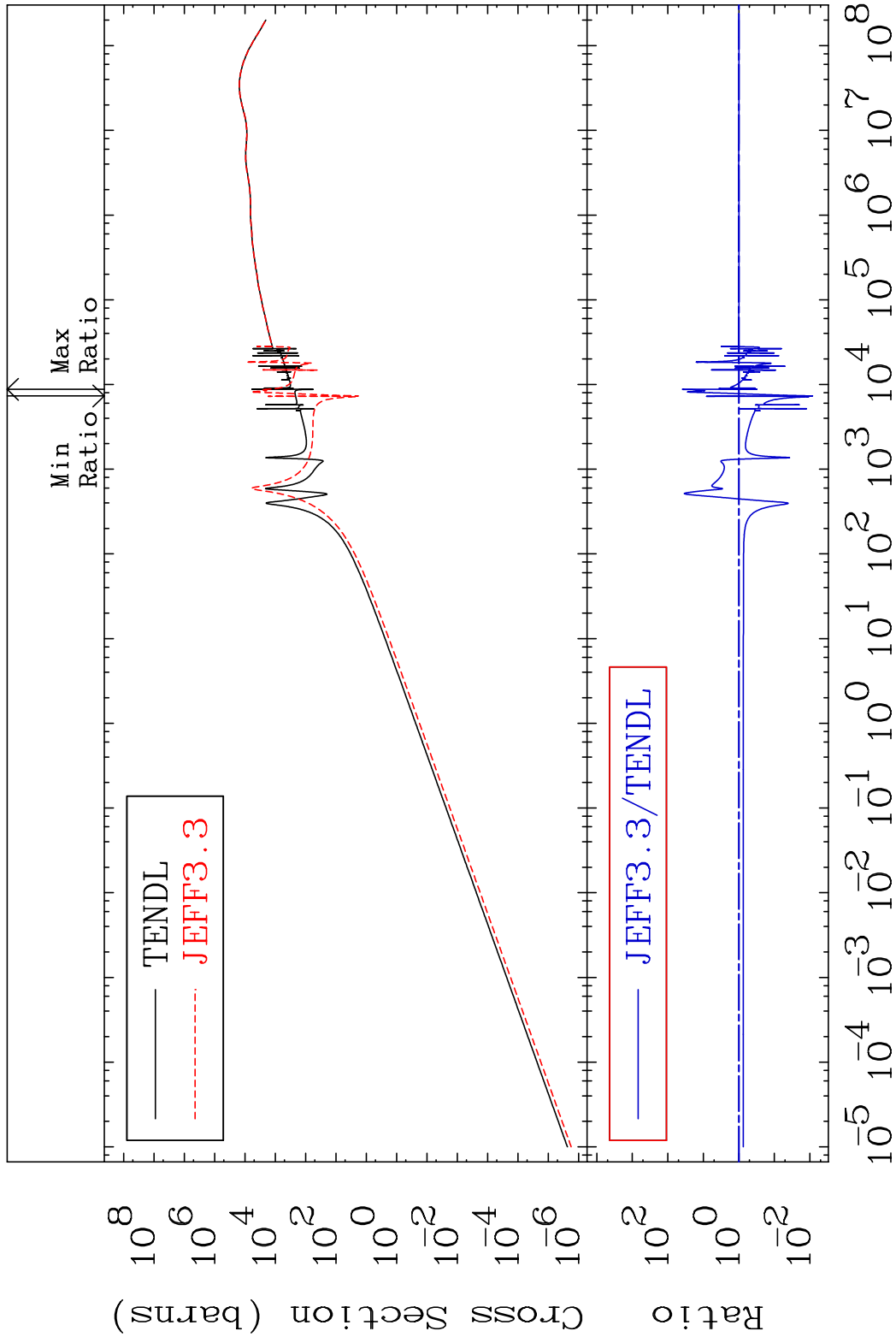
56 Incident Energy (eV) 28-Ni-63

MAT 2840

Kerma elastic

28-Ni-63

Cross Section -99.16 To 3799. %

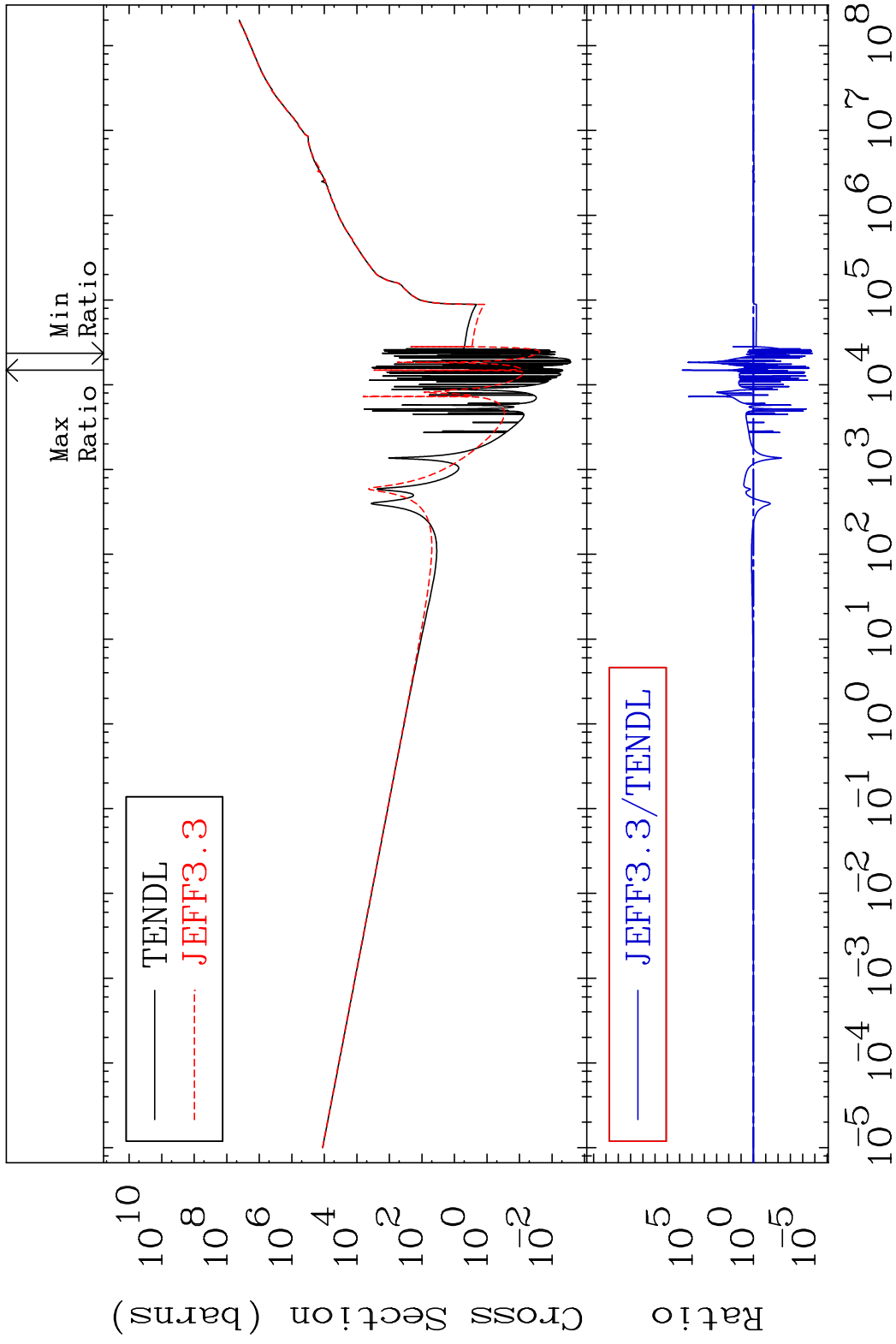


57

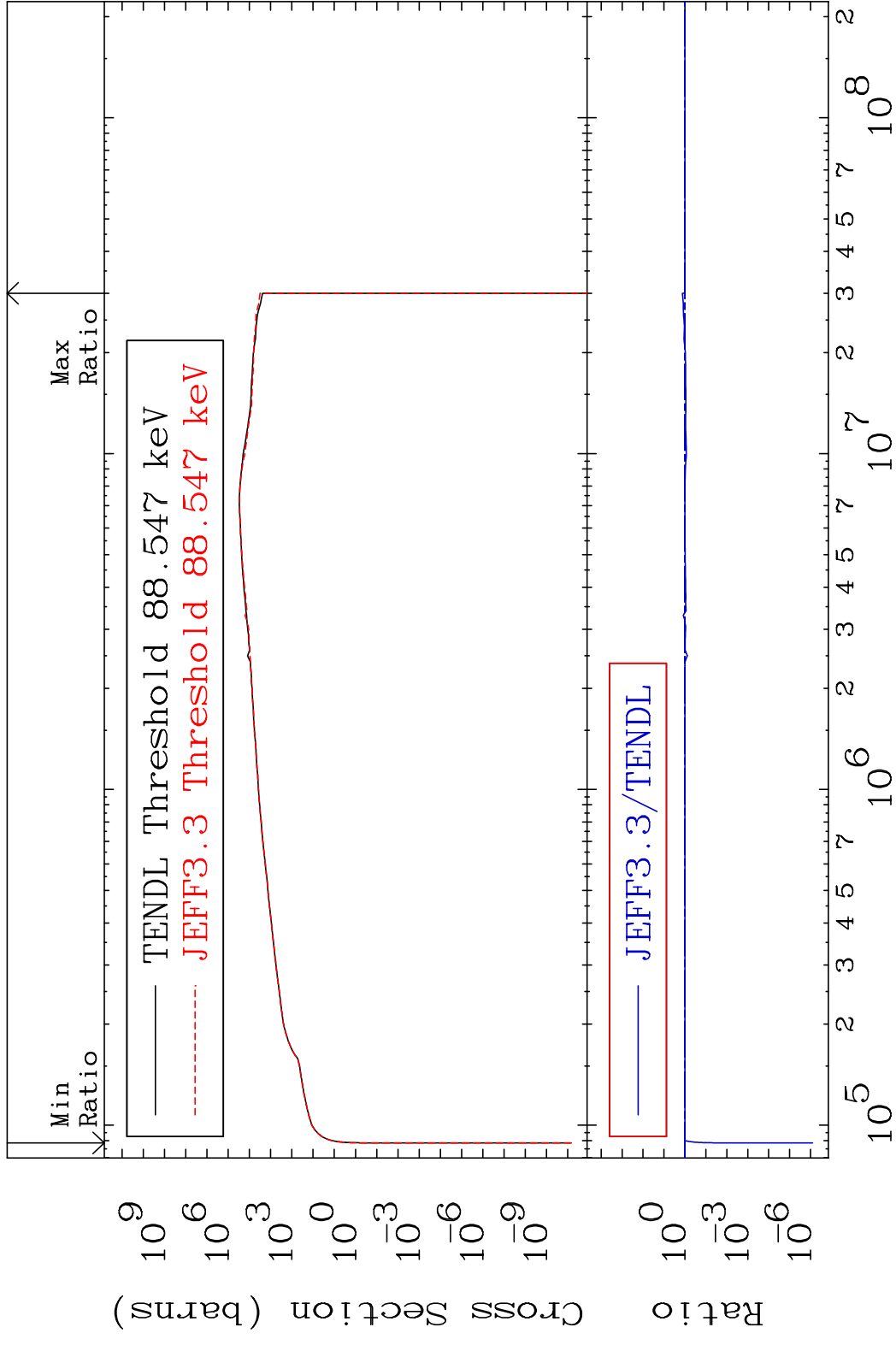
Incident Energy (eV)

28-Ni-63

MAT 2840 Kerma non-elastic (all but mt2) 28-Ni-63
 Cross Section -100.0 To 9999. %

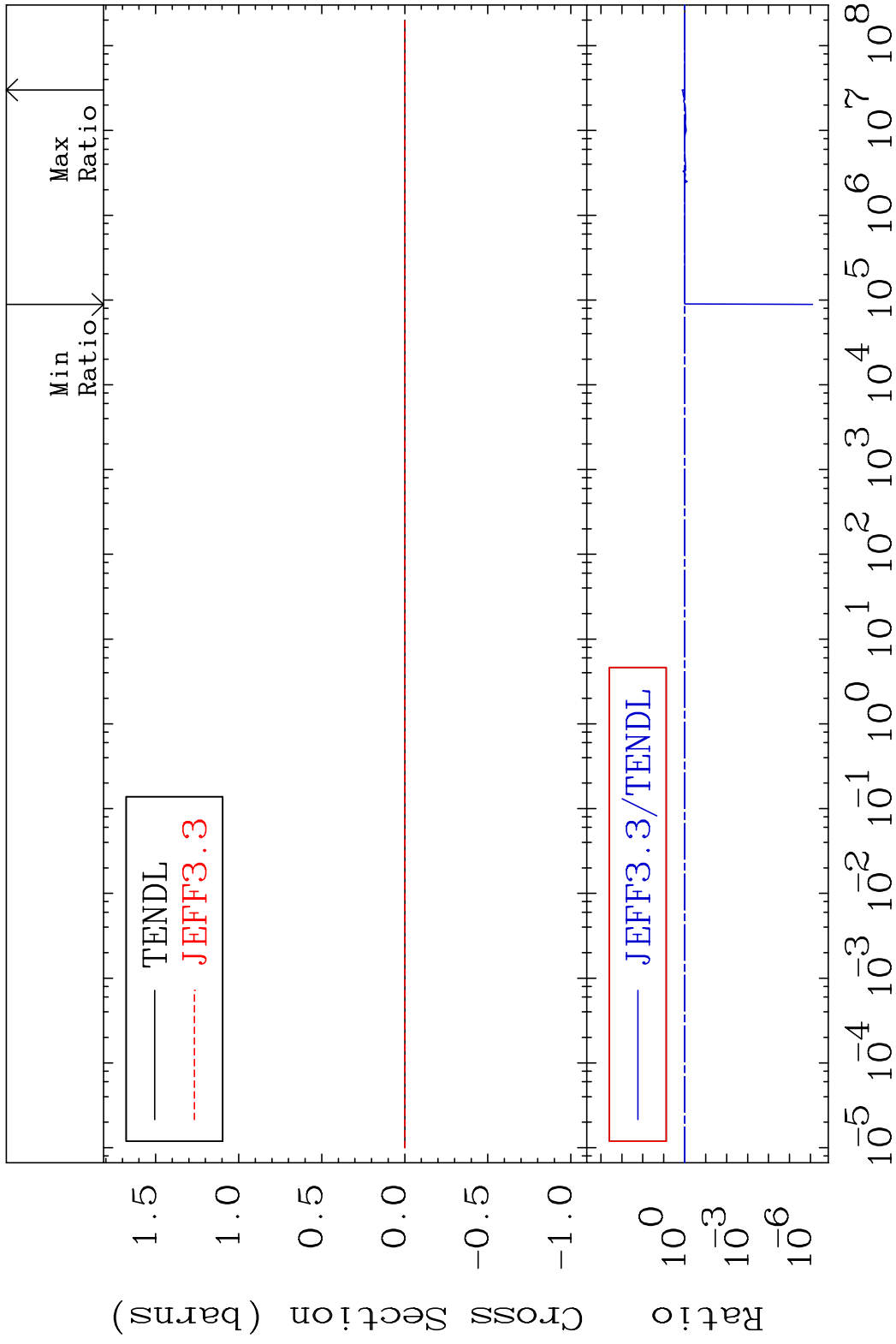


MAT 2840 Kerma inelastic (mt51-91) 28-Ni-63
 Cross Section -100.0 To 32.63 %

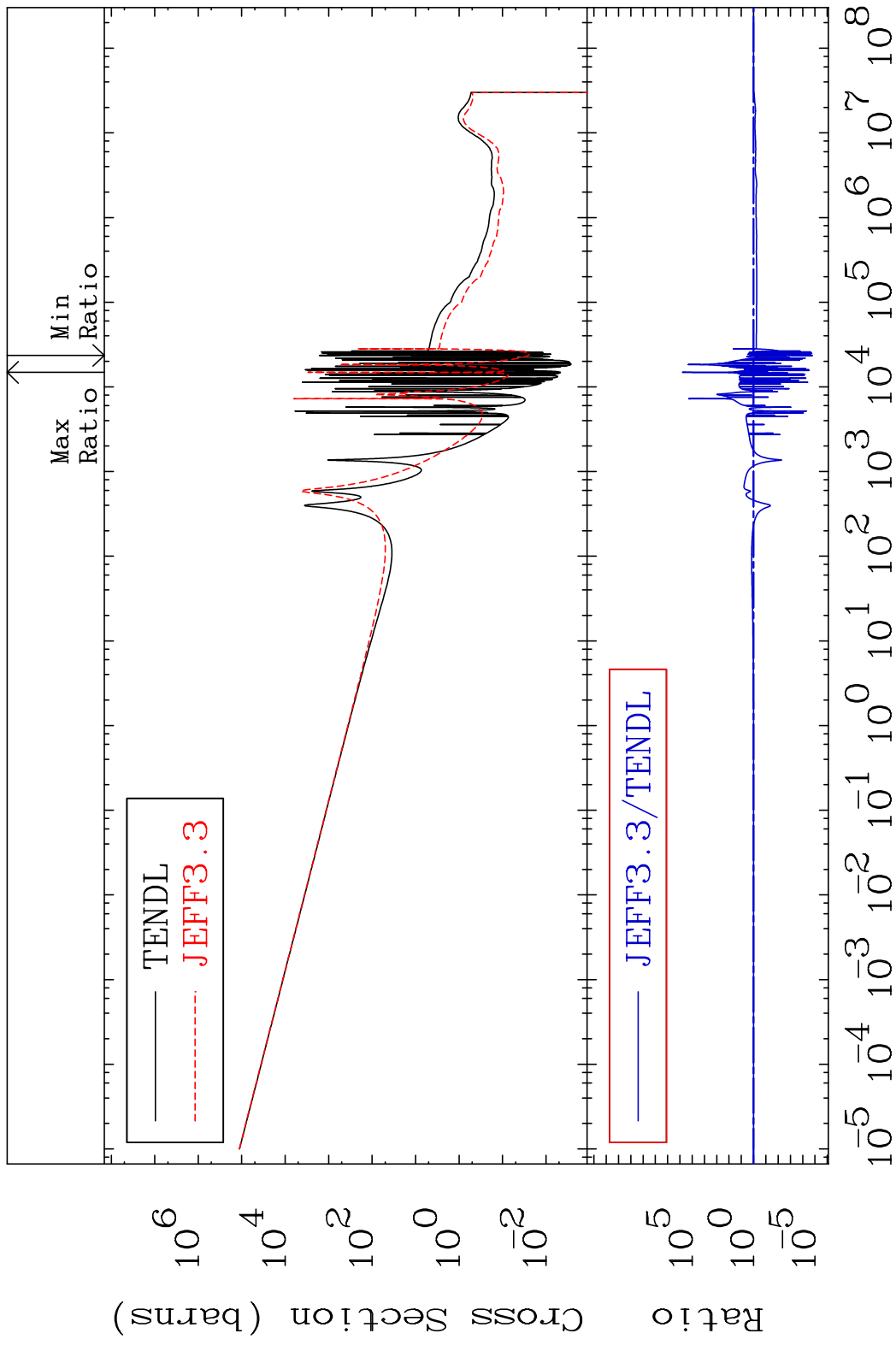


59 Incident Energy (eV) 28-Ni-63

MAT 2840 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-63
 Cross Section -100.0 To 32.63 %

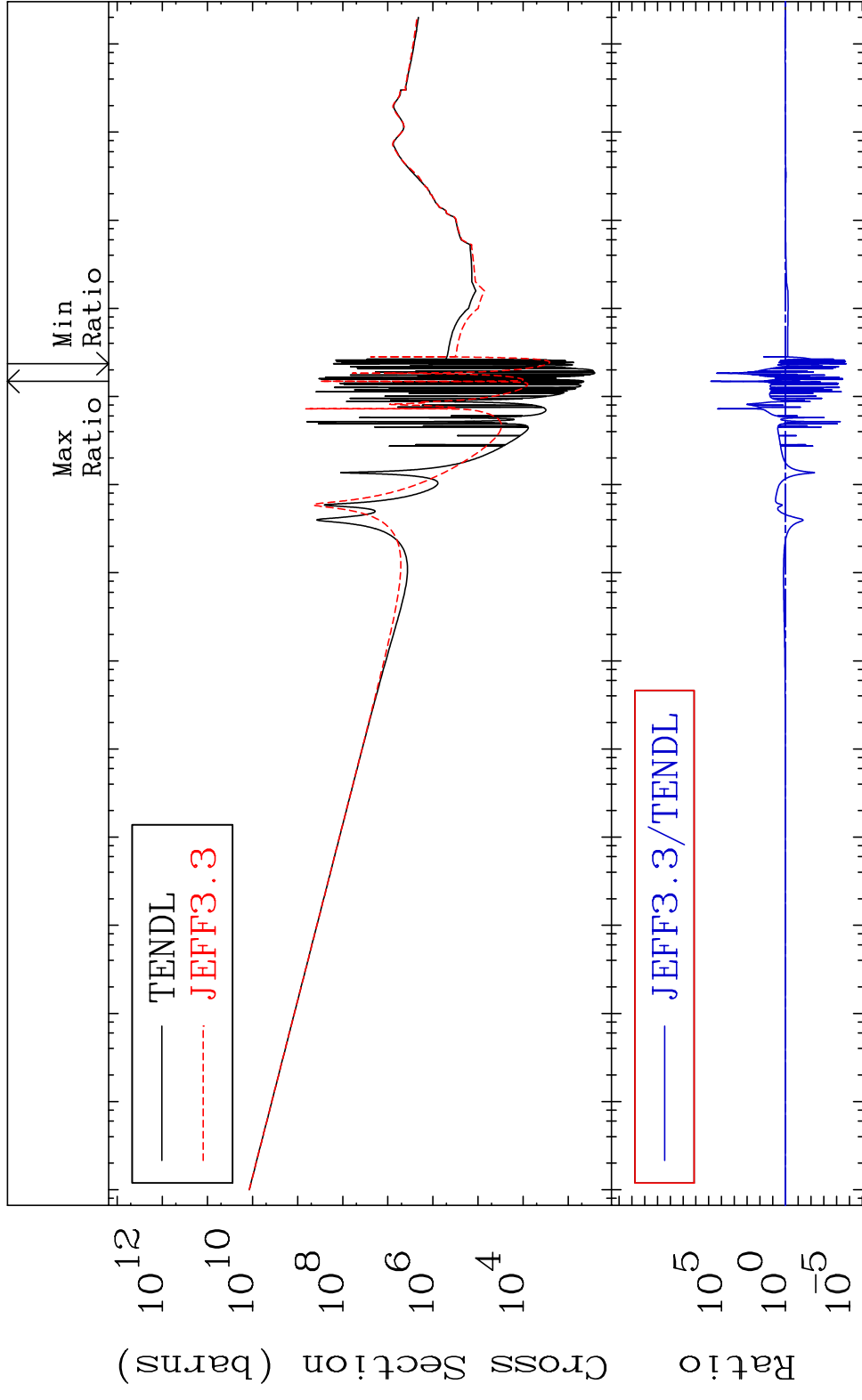


MAT 2840 Kerma capture (mt102) 28-Ni-63
 Cross Section -100.0 To 9999. %



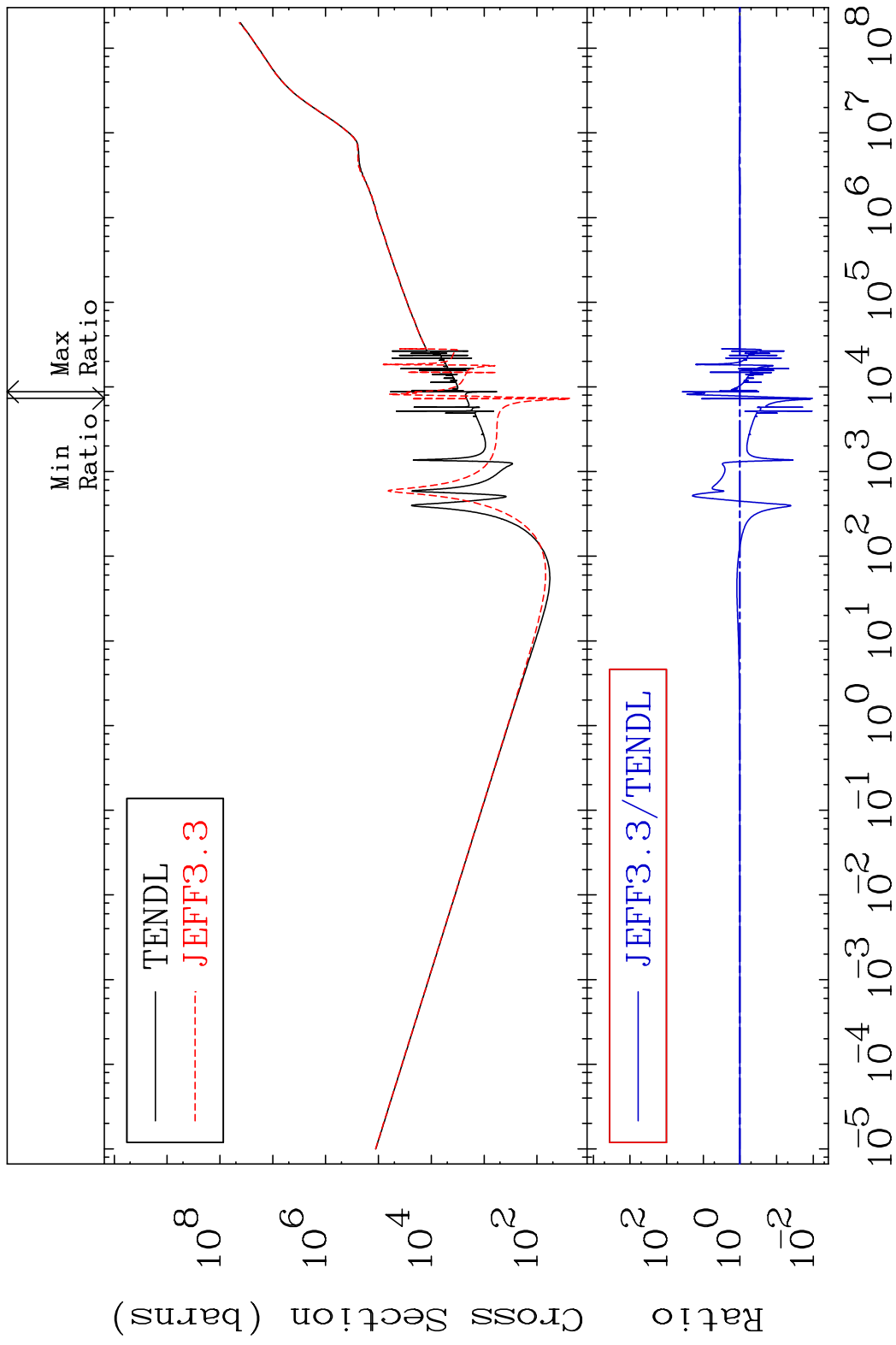
61 Incident Energy (eV) 28-Ni-63

MAT 2840 Total photon (eV-barns) 28-Ni-63
Cross Section -100.0 To 9999. %

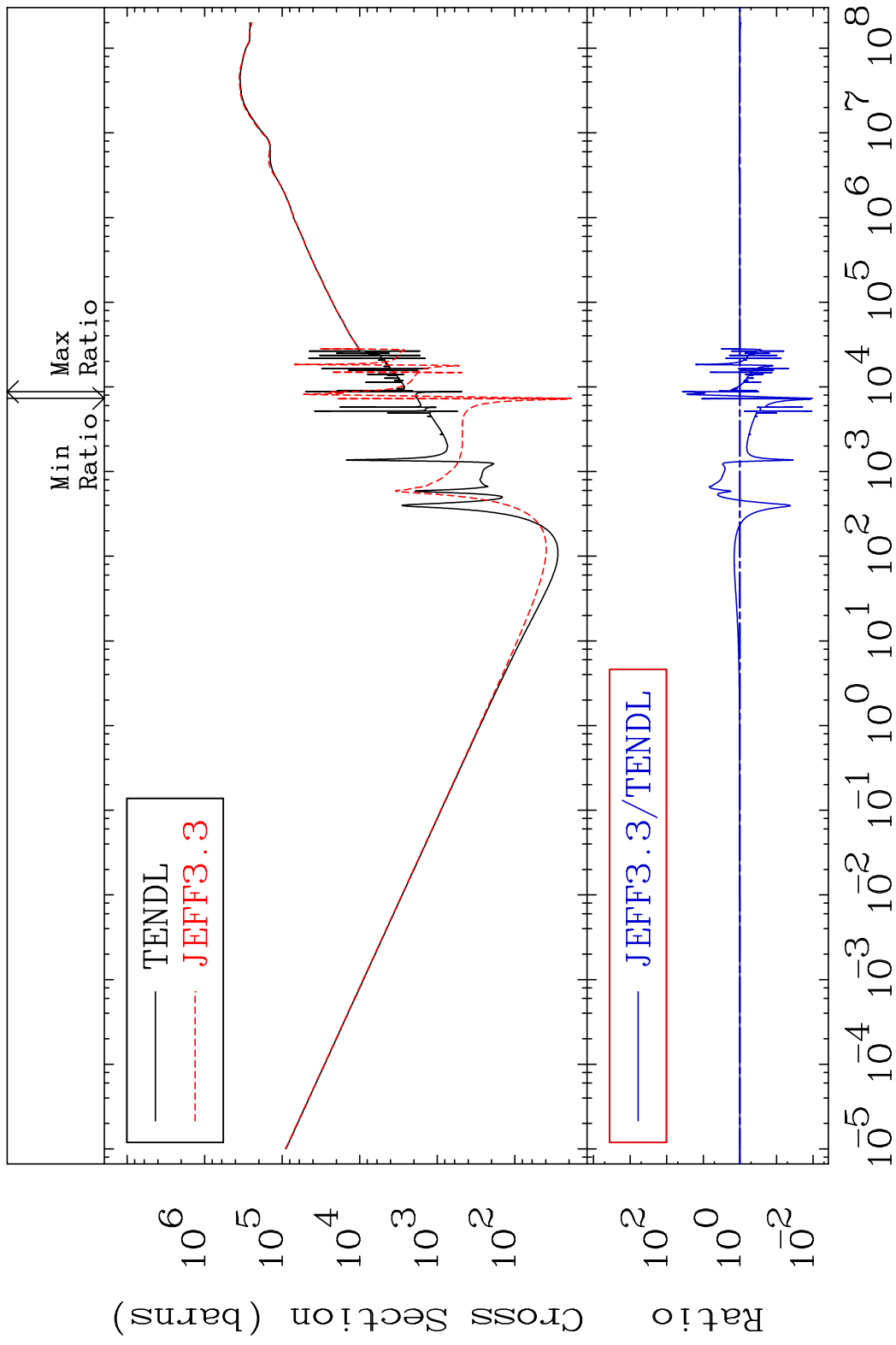


62 Incident Energy (eV) 28-Ni-63

MAT 2840 Total kinematic kerma (high limit) 28-Ni-63
 Cross Section -98.95 To 3630. %



MAT 2840 Dpa total (eV-barns) 28-Ni-63
 Cross Section -98.97 To 3638. %



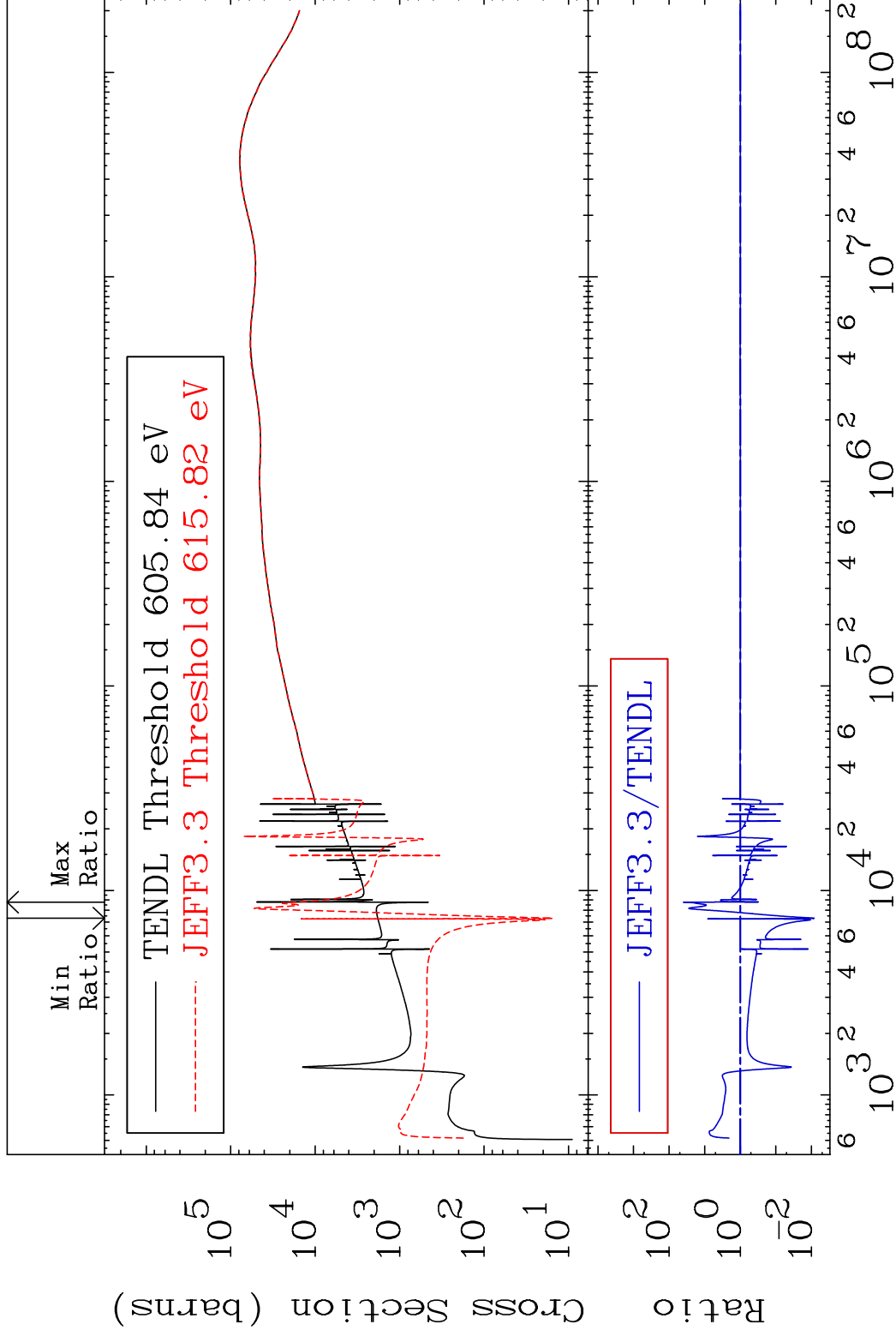
64 Incident Energy (eV) 28-Ni-63

MAT 2840

Dpa elastic (mt2)

28-Ni-63

Cross Section -99.16 To 3799. %

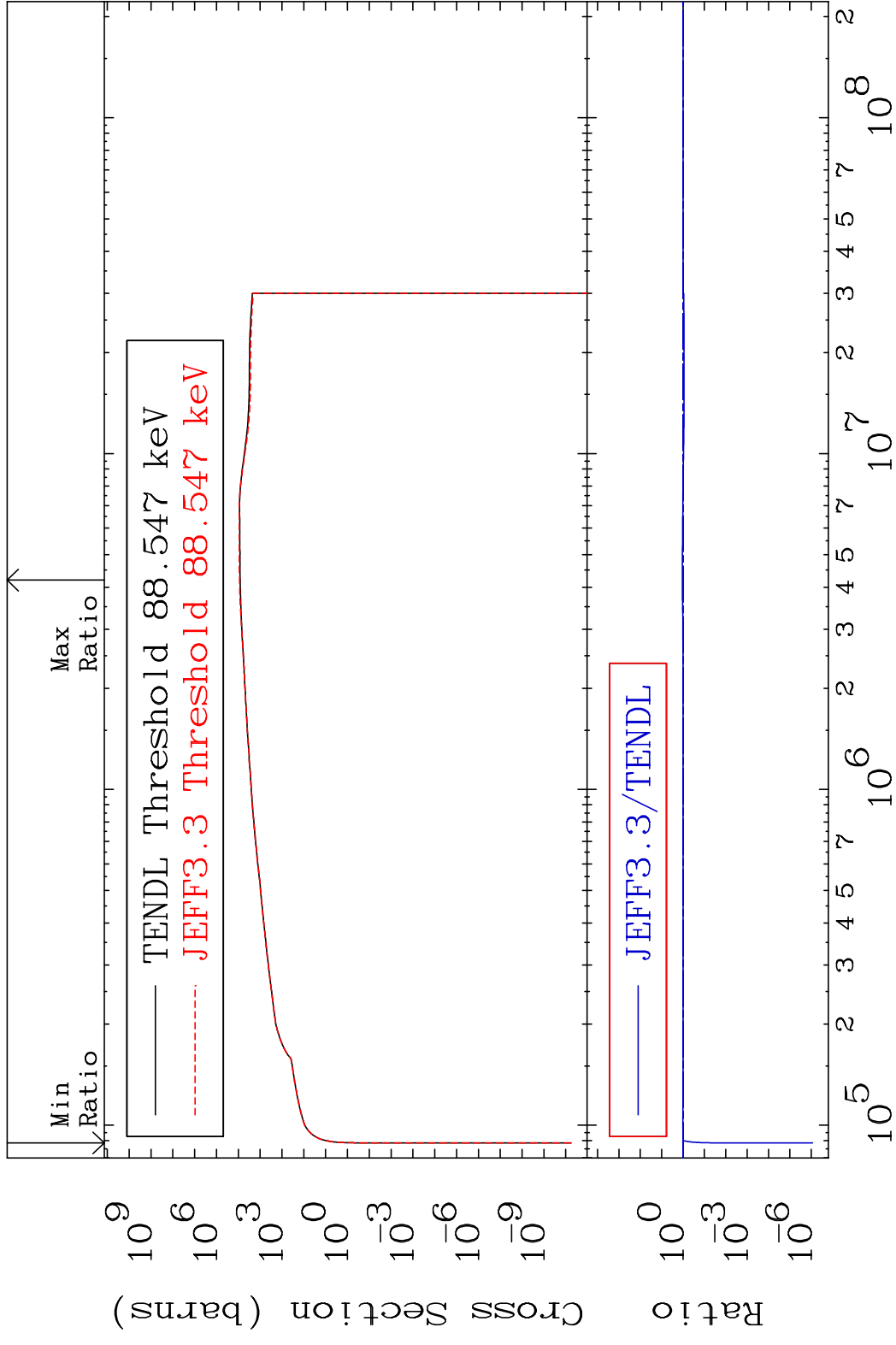


65

Incident Energy (eV)

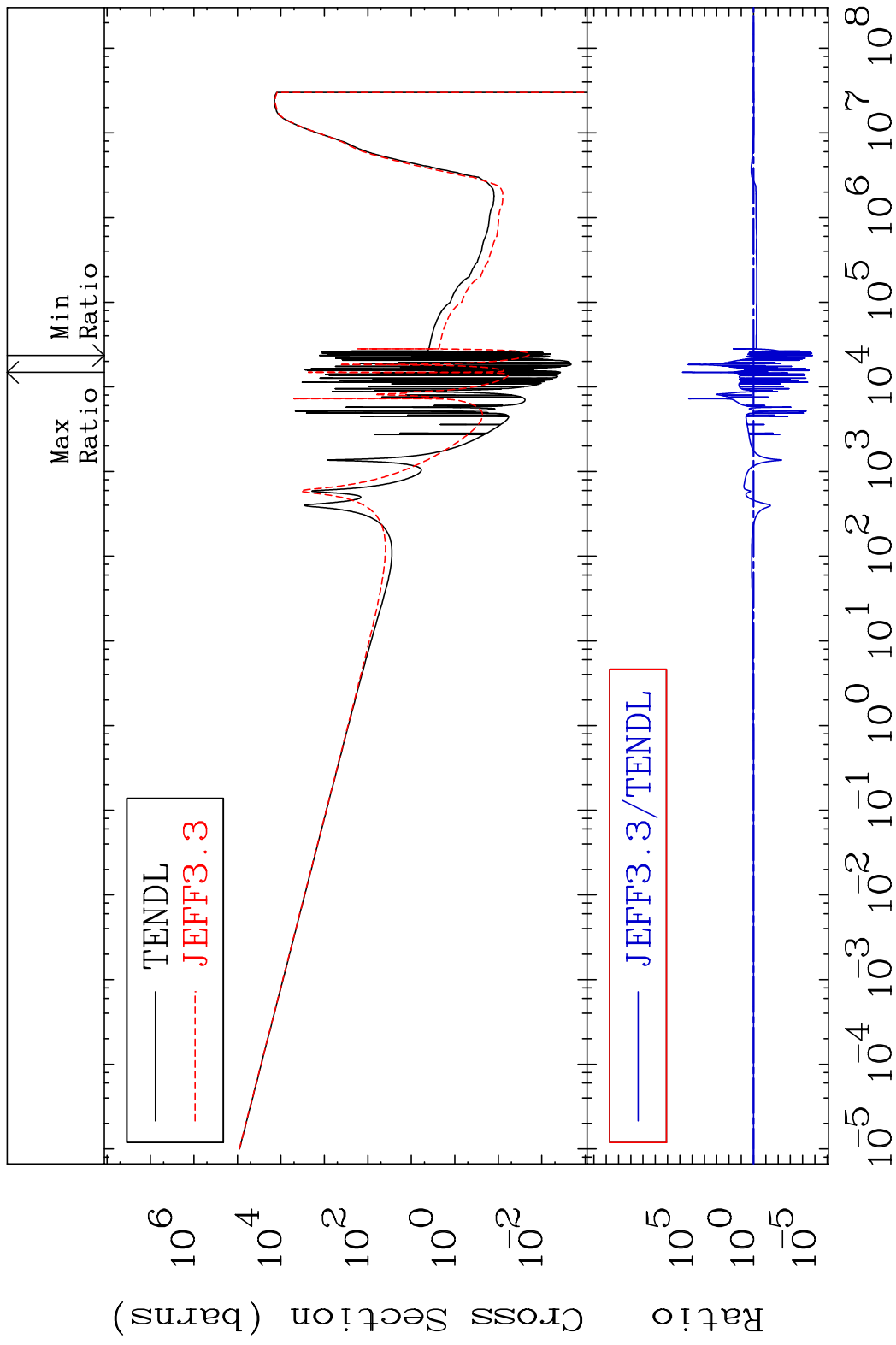
28-Ni-63

MAT 2840 Dpa inelastic (mt51-91) 28-Ni-63
 Cross Section -100.0 To 7.390 %



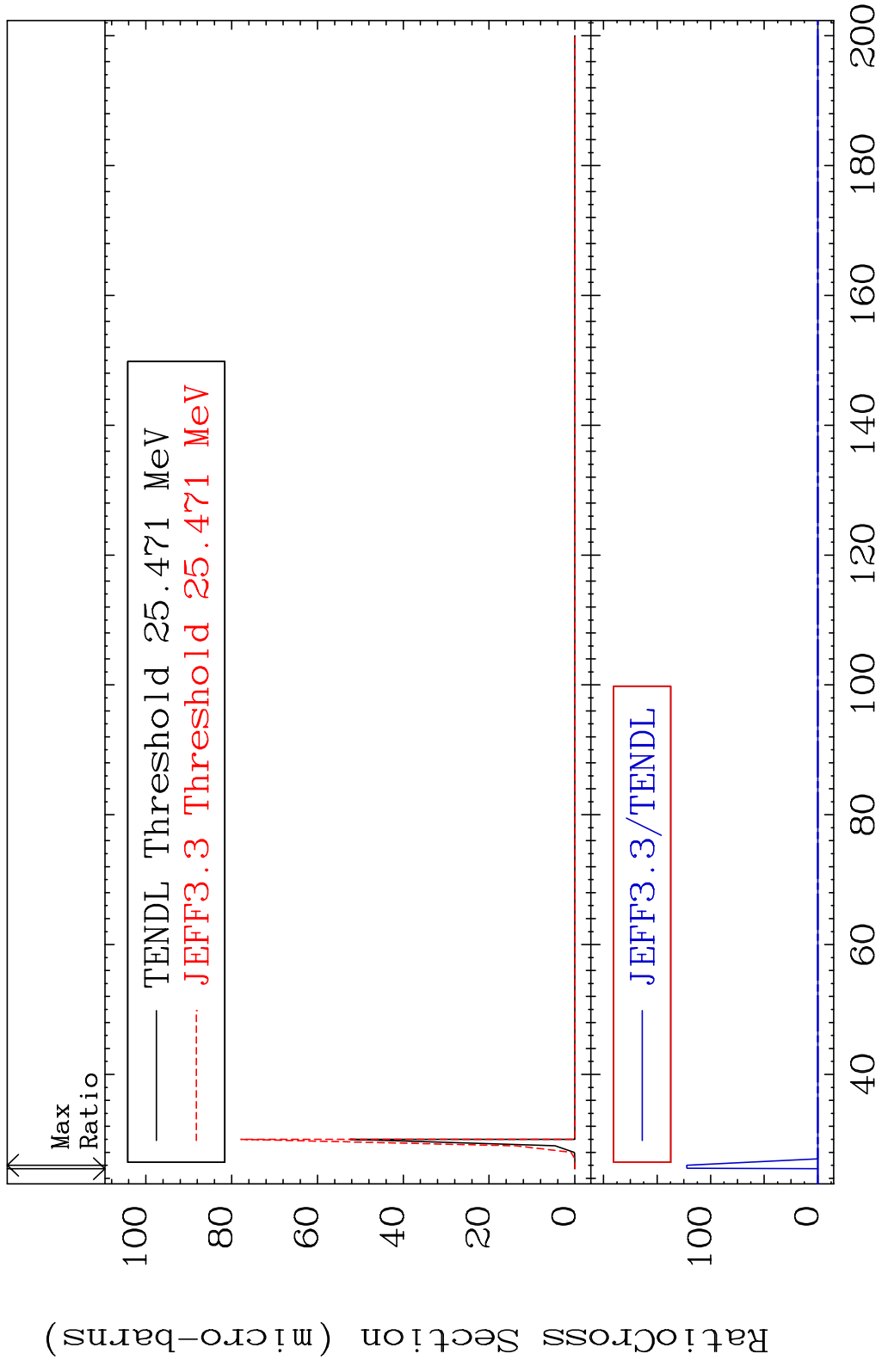
66 Incident Energy (eV) 28-Ni-63

MAT 2840 Dpa disappearance (mt102 -120) 28-Ni-63
 Cross Section -100.0 To 9999. %

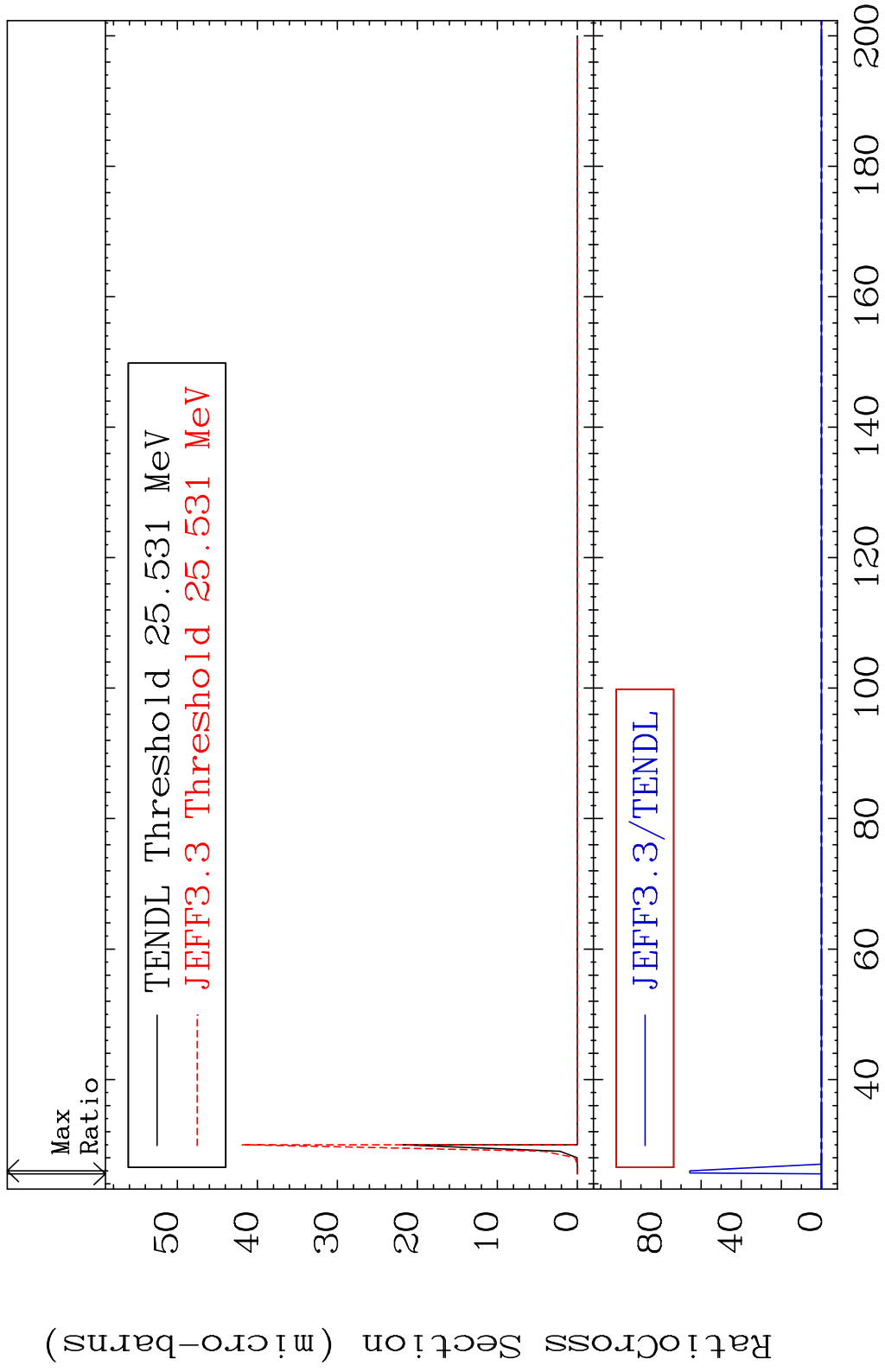


67 Incident Energy (eV) 28-Ni-63

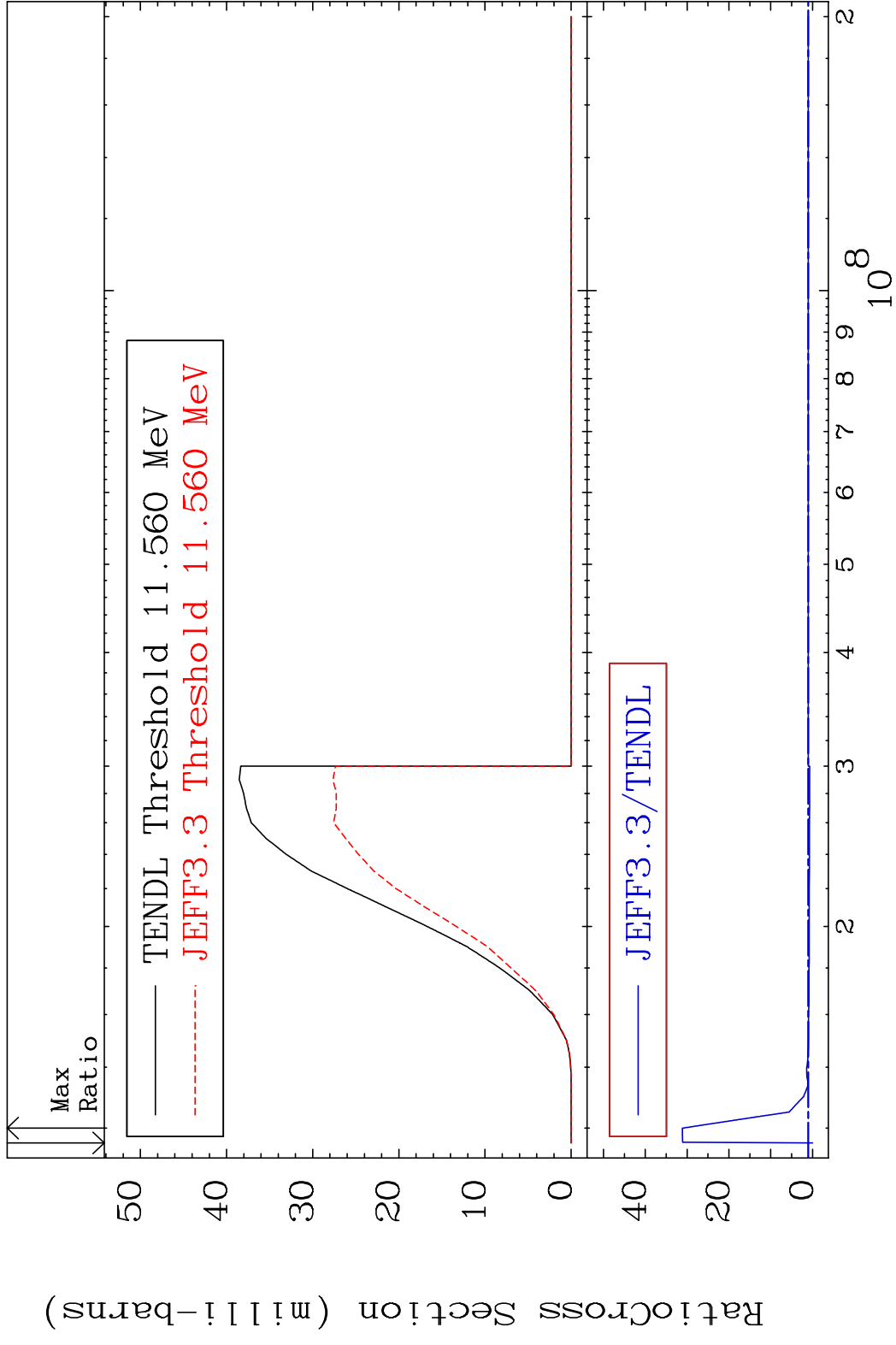
MAT 2840 (n,2n) d:27-Co-60g 28-Ni-63
 Radionuclide Production Cross Section 100.00000000000000 %



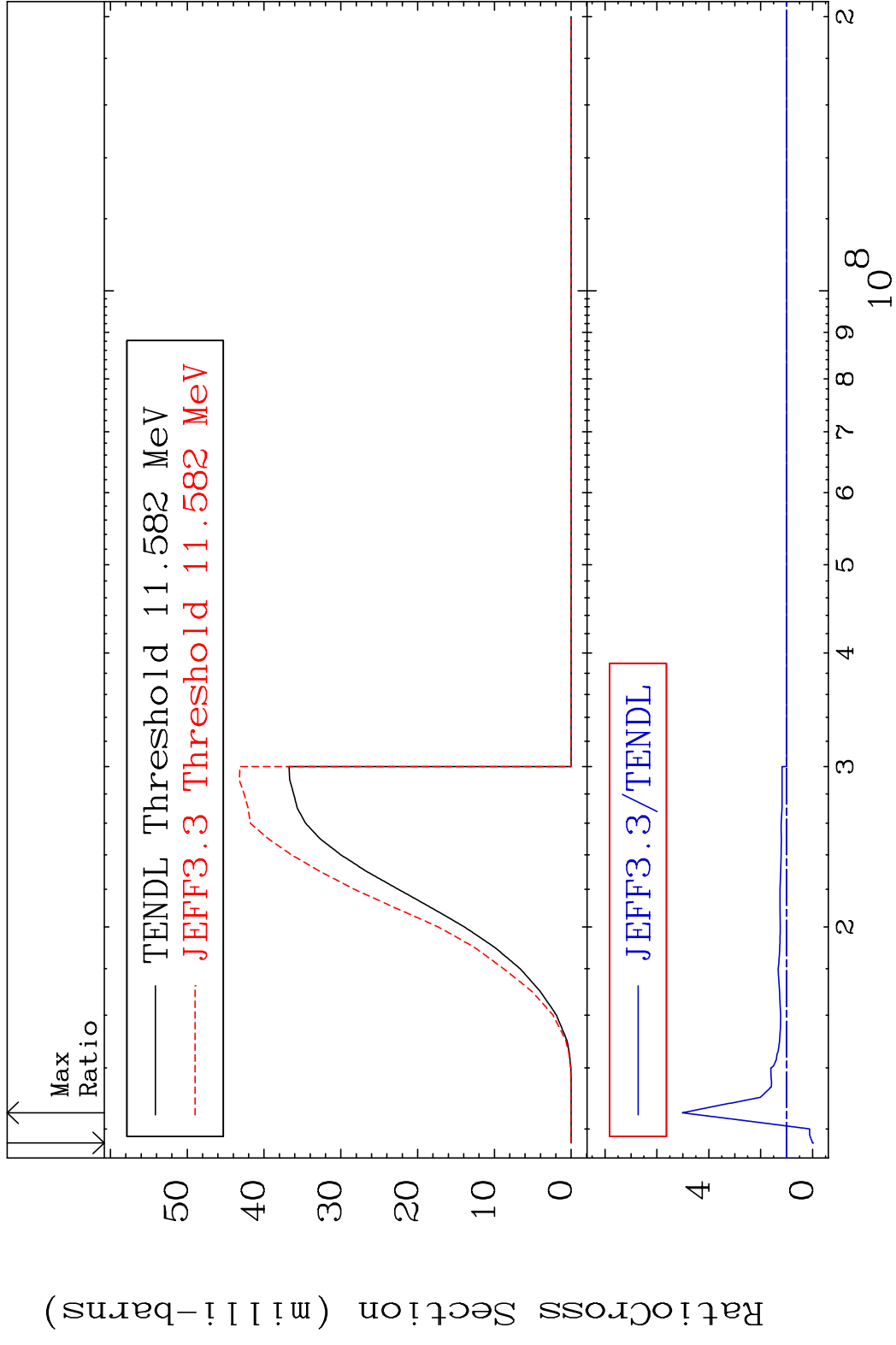
MAT 2840 (n,2n) d:27-Co-60m1 28-Ni-63
 Radionuclide Production Cross Section Ratio 9999. %



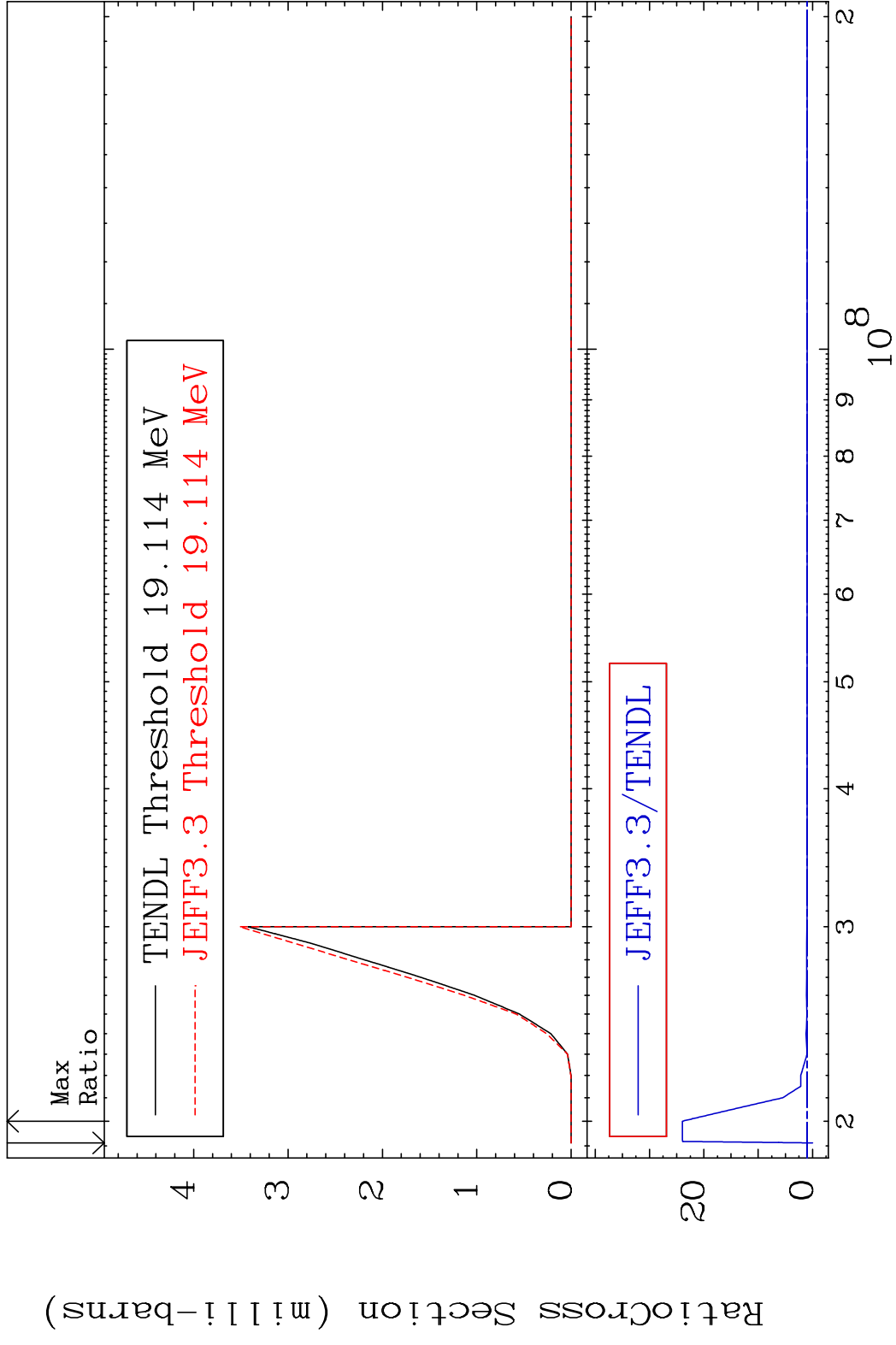
MAT 2840 (n, n') p:27-Co-62g 28-Ni-63
 Radionuclide Production Cross Section 180.01 dth 3014. %



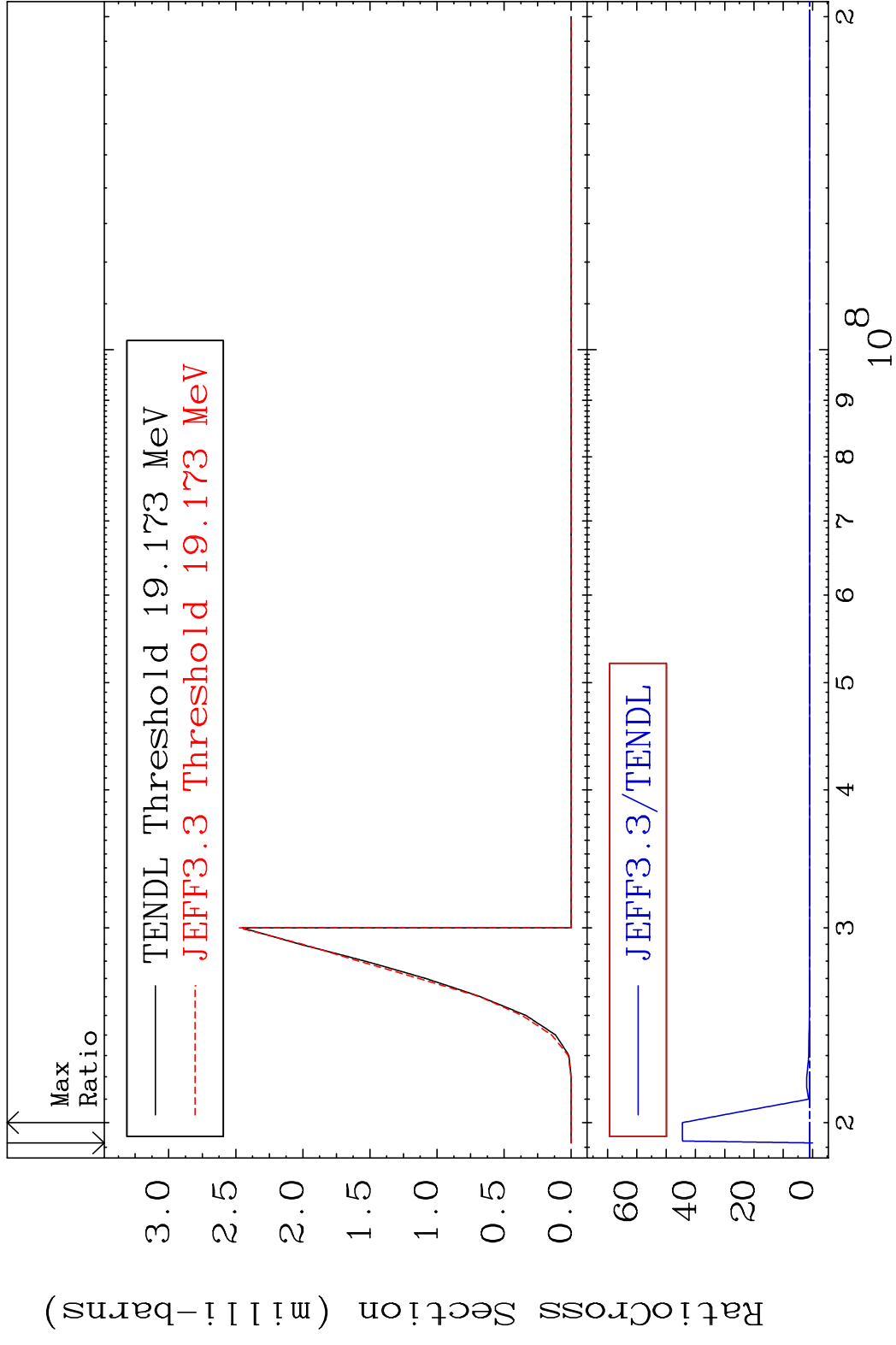
MAT 2840 (n, n') p:27-Co-62m1 28-Ni-63
 Radionuclide Production Cross Section 401.9 %



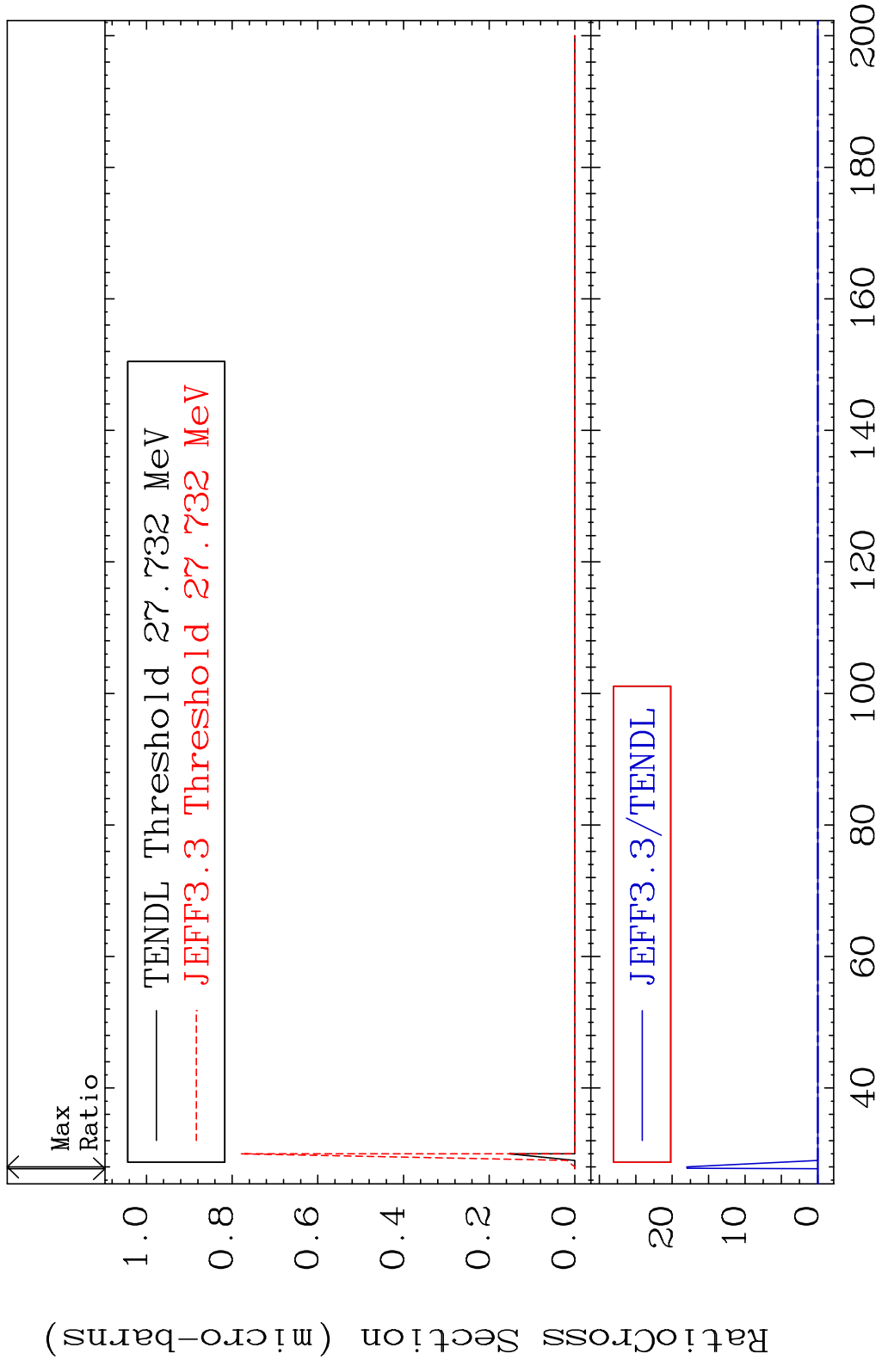
MAT 2840 (n, n') t:27-Co-60g 28-Ni-63
 Radionuclide Production Cross Section 180.01 dth 2296. %



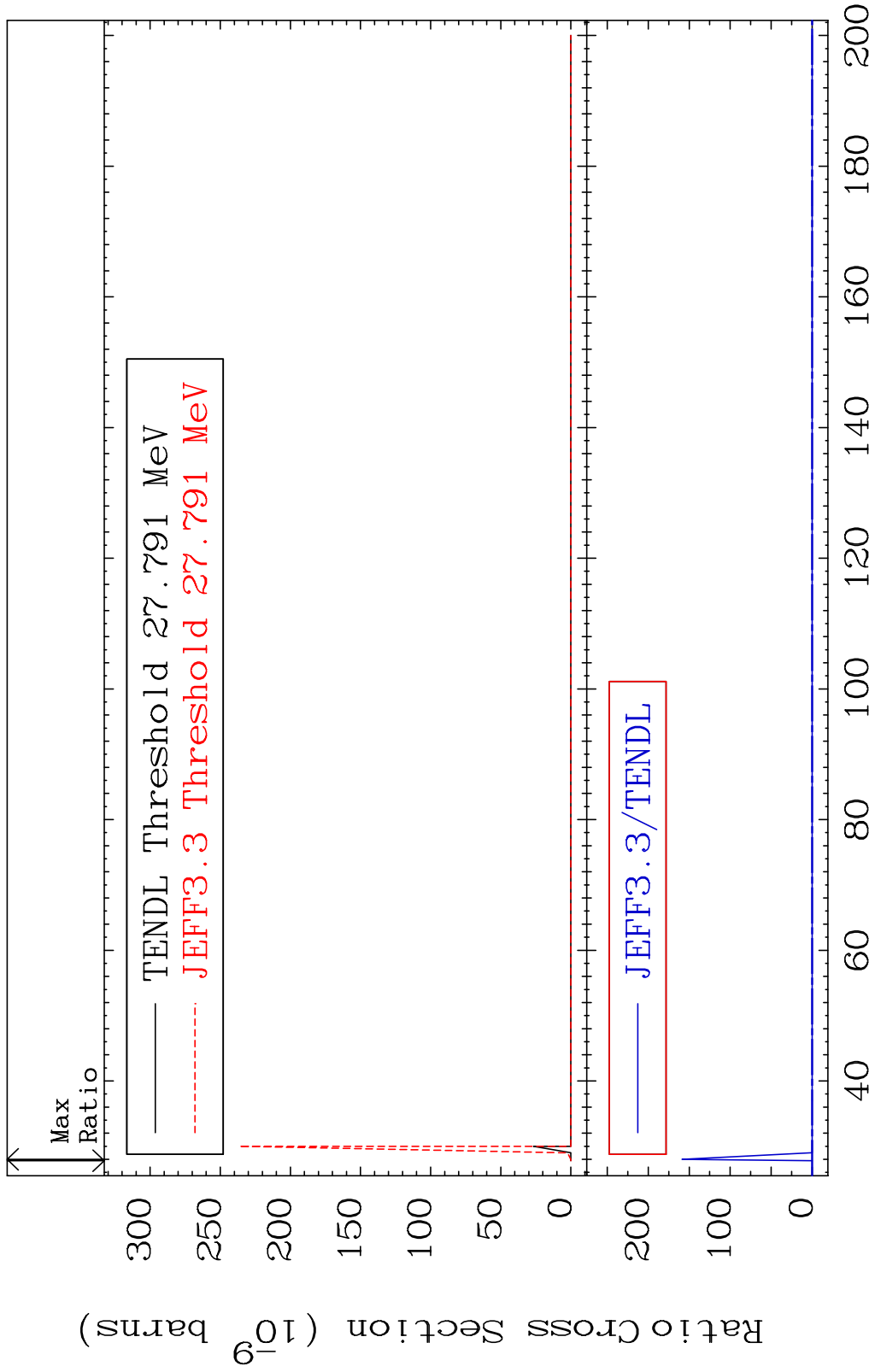
MAT 2840 (n, n') t:27-Co-60m1 28-Ni-63
 Radionuclide Production Cross Section 180.01 d10 4347. %



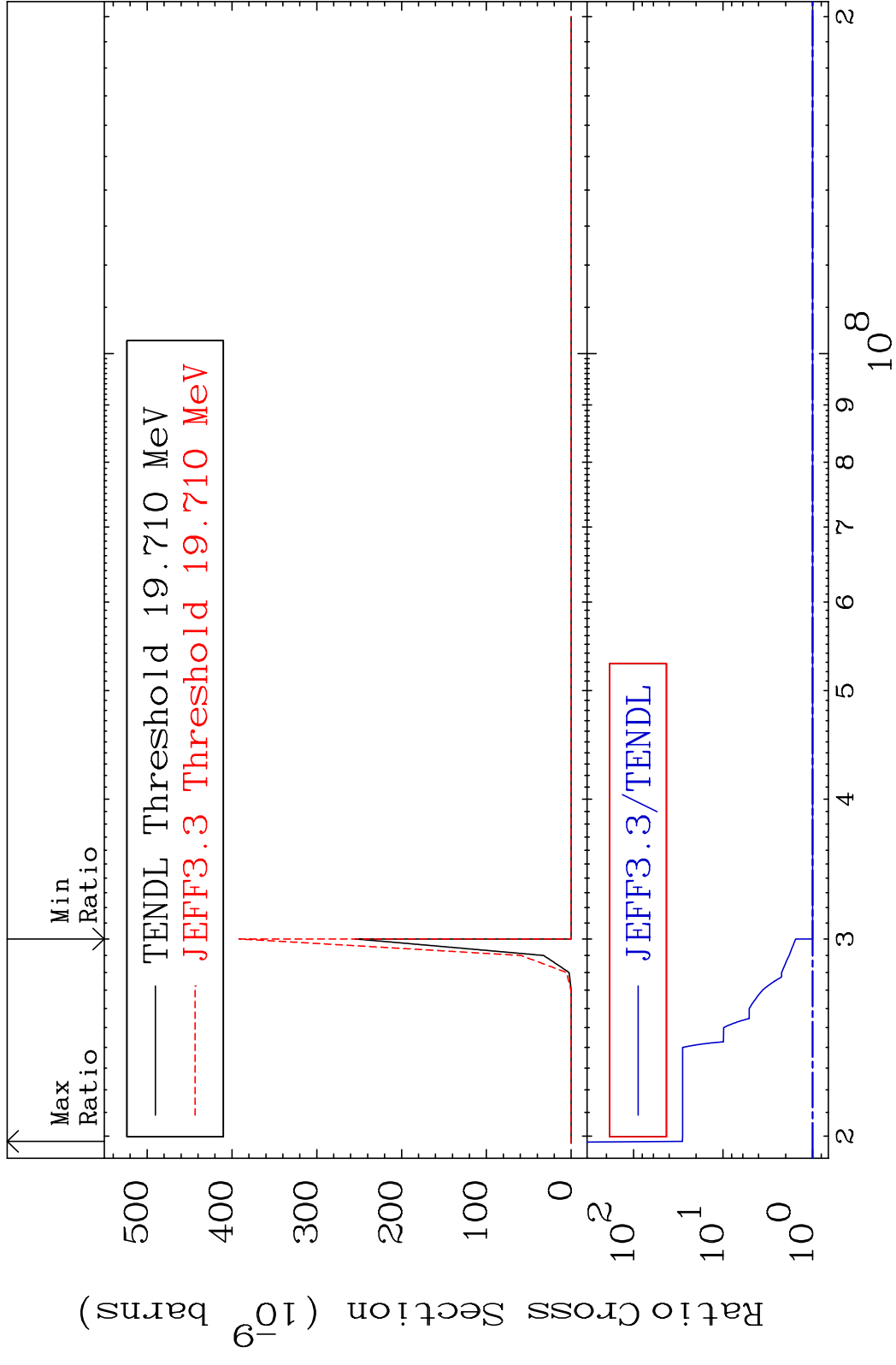
MAT 2840 (n,3n) p:27-Co-60g 28-Ni-63
 Radionuclide Production Cross Section Ratio 9999. %



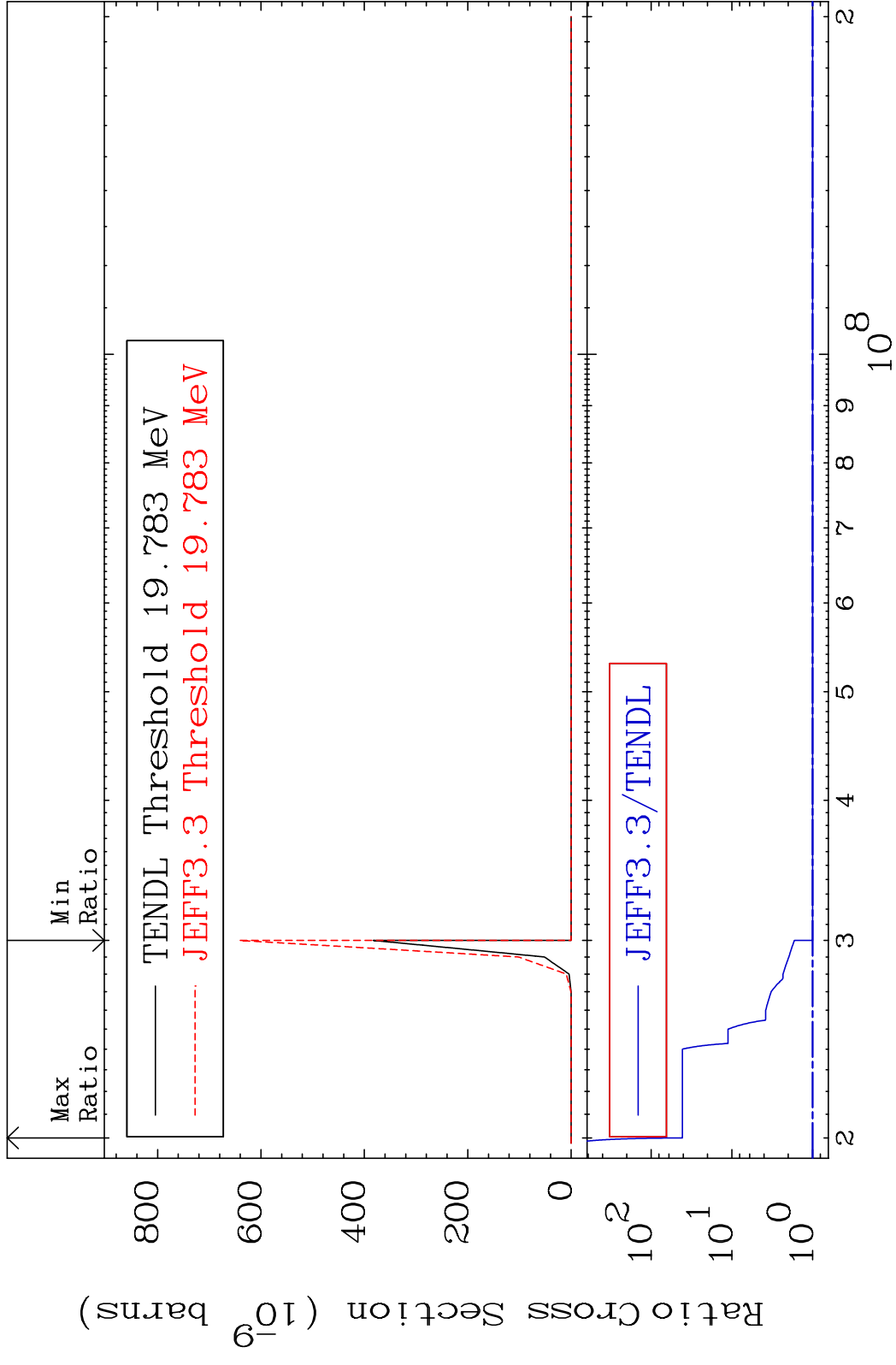
MAT 2840 (n,3n) p:27-Co-60m1 28-Ni-63
 Radionuclide Production Cross Section Ratio 9999. %



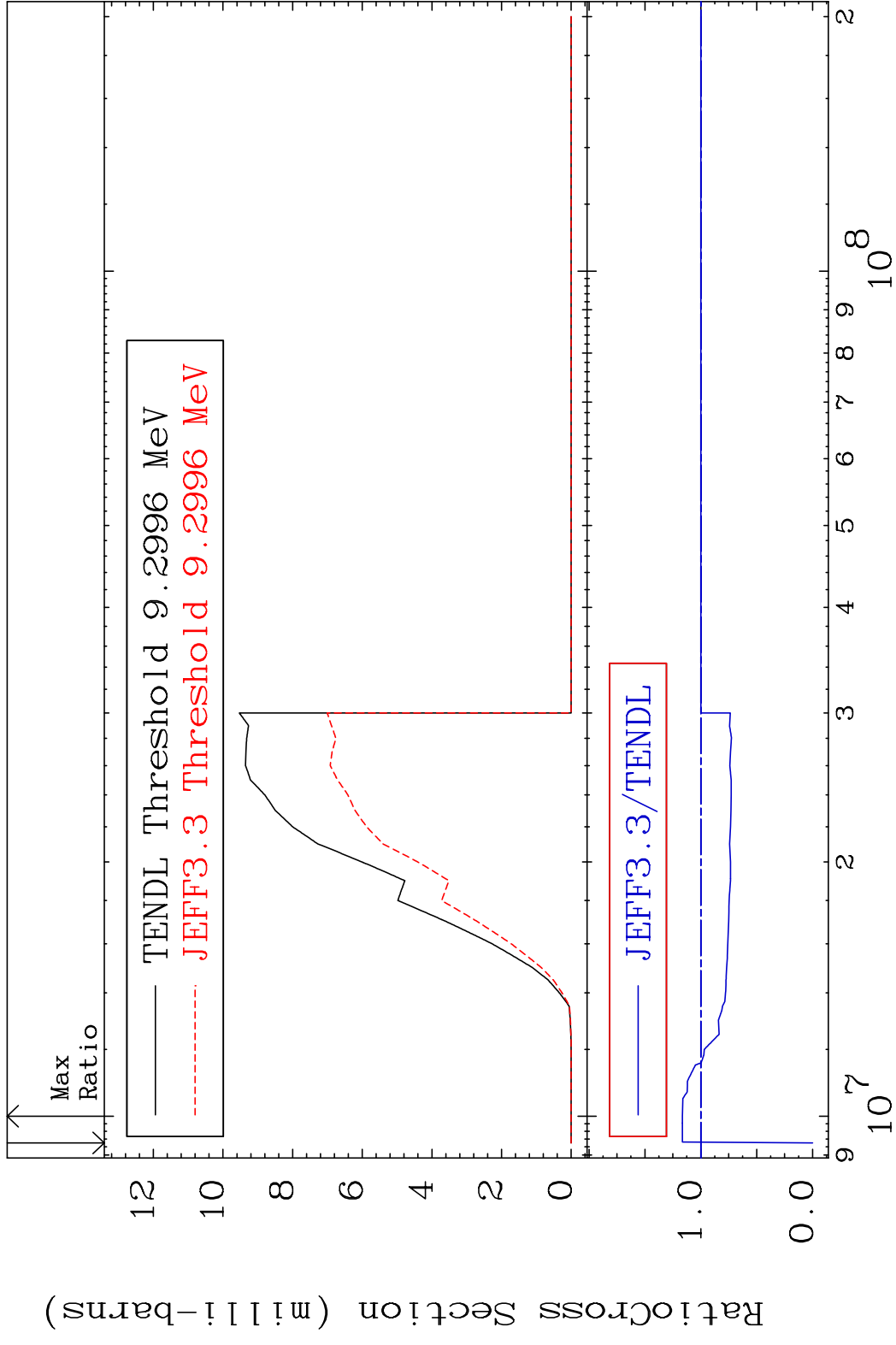
MAT 2840 (n, n') p α :25-Mn-58g 28-Ni-63
 Radionuclide Production Cross Section 2746. %



MAT 2840 (n, n') p α :25-Mn-58m1 28-Ni-63
 Radionuclide Production Cross Section 4002. %

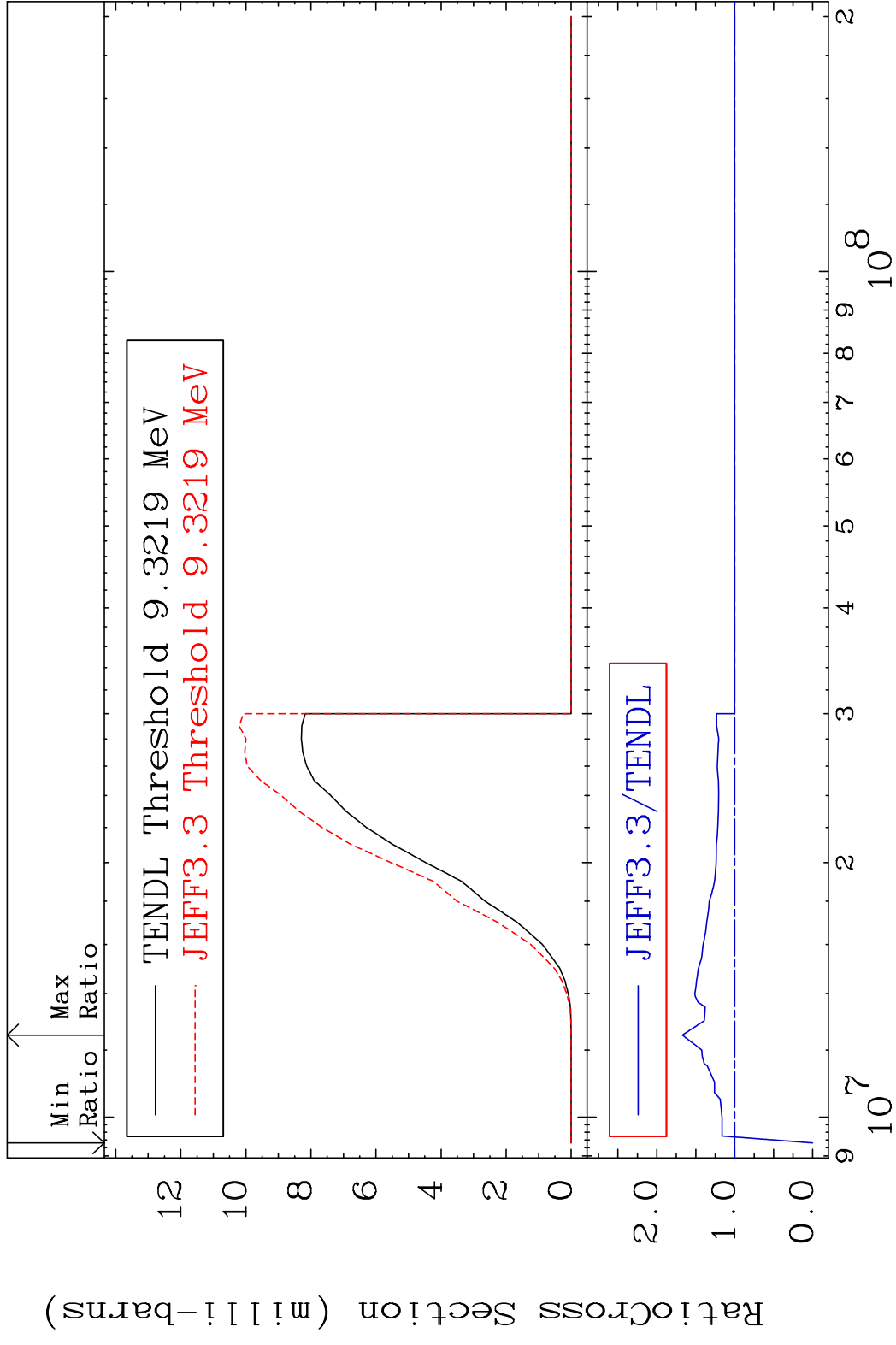


MAT 2840 (n, d): 27-Co-62g 28-Ni-63
 Radionuclide Production Cross Section 180.0 mb 16.50 %



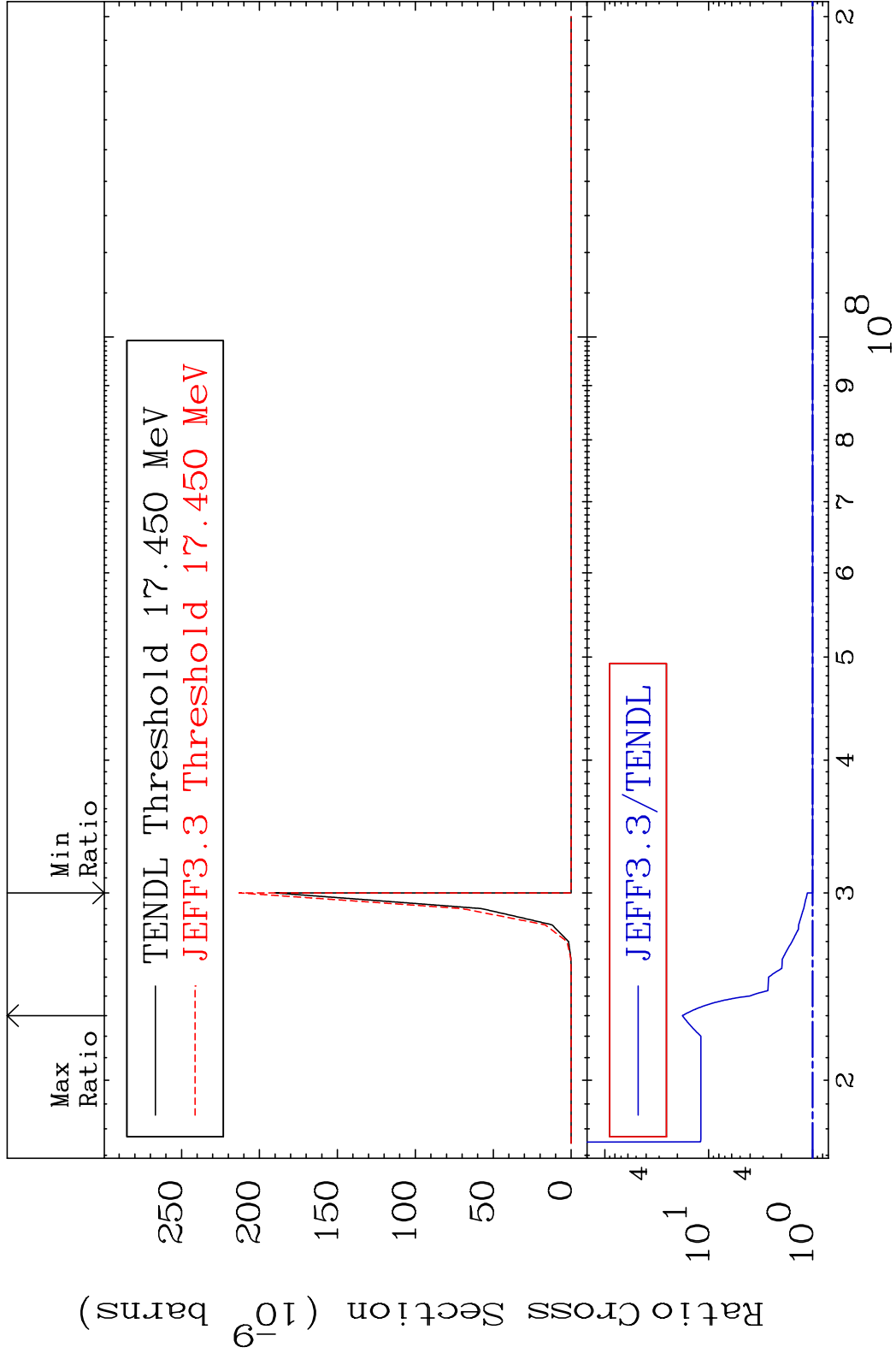
78 Incident Energy (eV) 28-Ni-63

MAT 2840 (n,d):27-Co-62m1 28-Ni-63
 Radionuclide Production Cross Section 67.22 %



79 Incident Energy (eV) 28-Ni-63

MAT 2840 (n, d) α :25-Mn-58g 28-Ni-63
 Radionuclide Production Cross Section 1695. %



80 Incident Energy (eV) 28-Ni-63

MAT 2840 (n, d) α :25-Mn-58m1 28-Ni-63
 Radionuclide Production Cross Section 1168. %

