

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

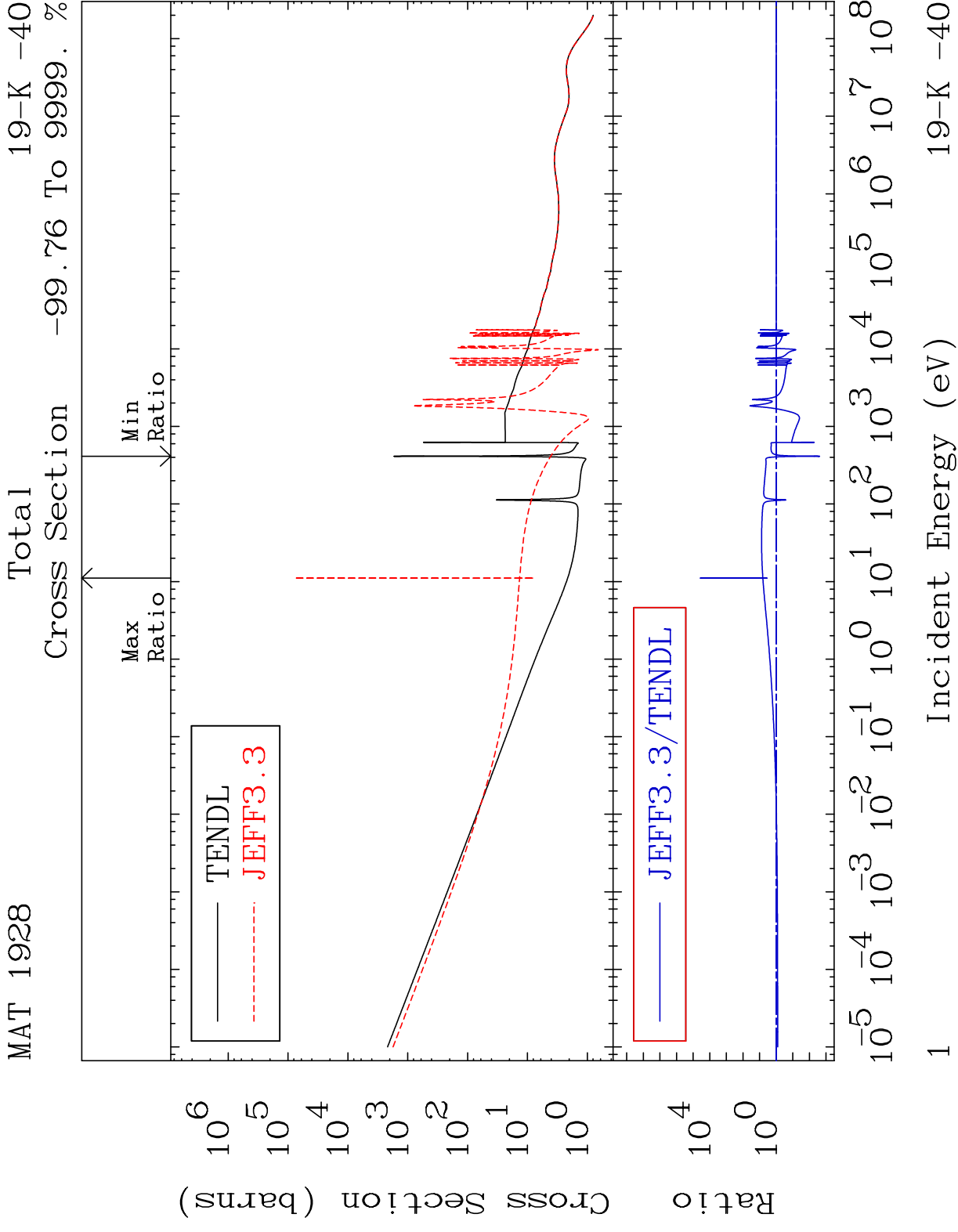
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

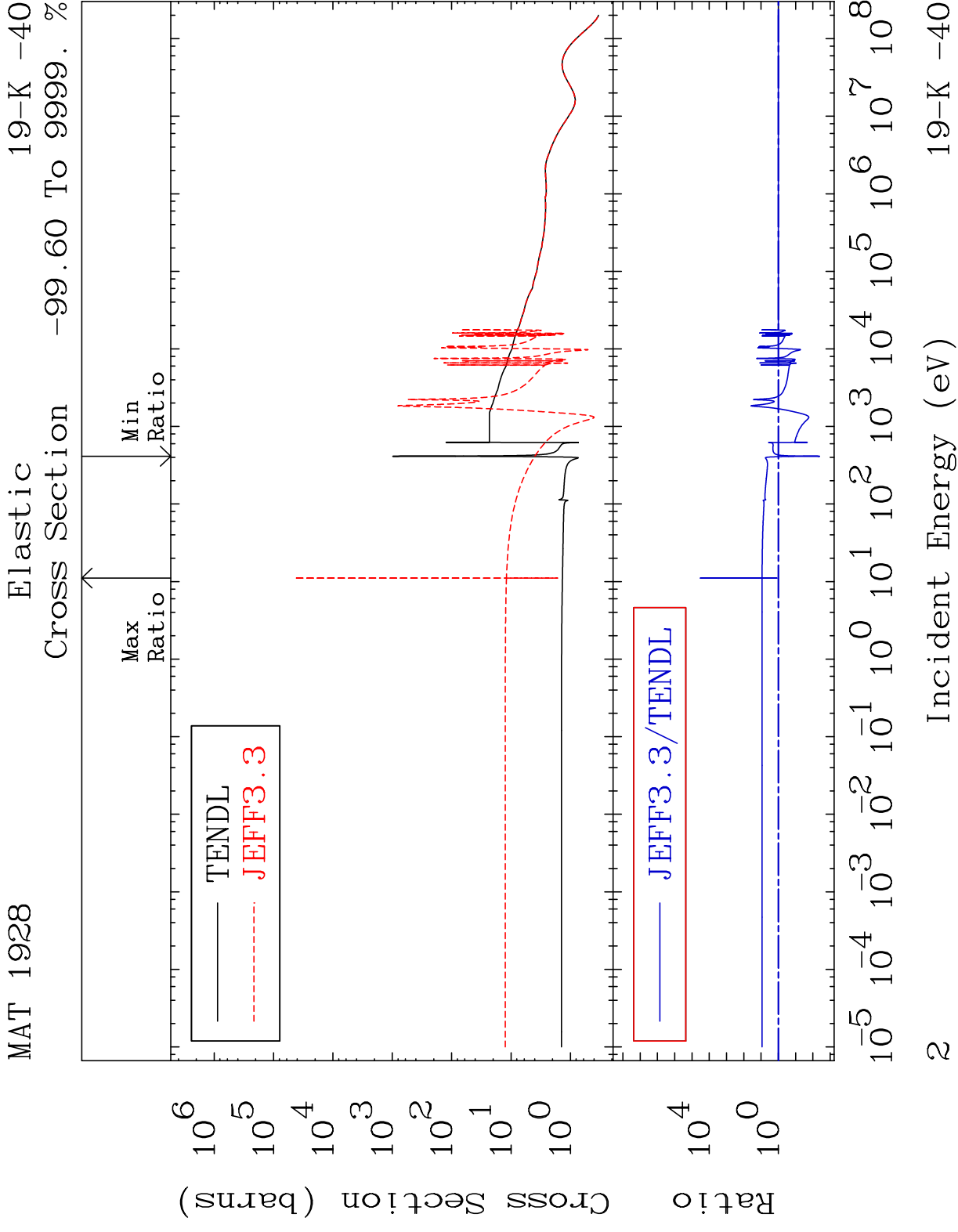
U.S.A.

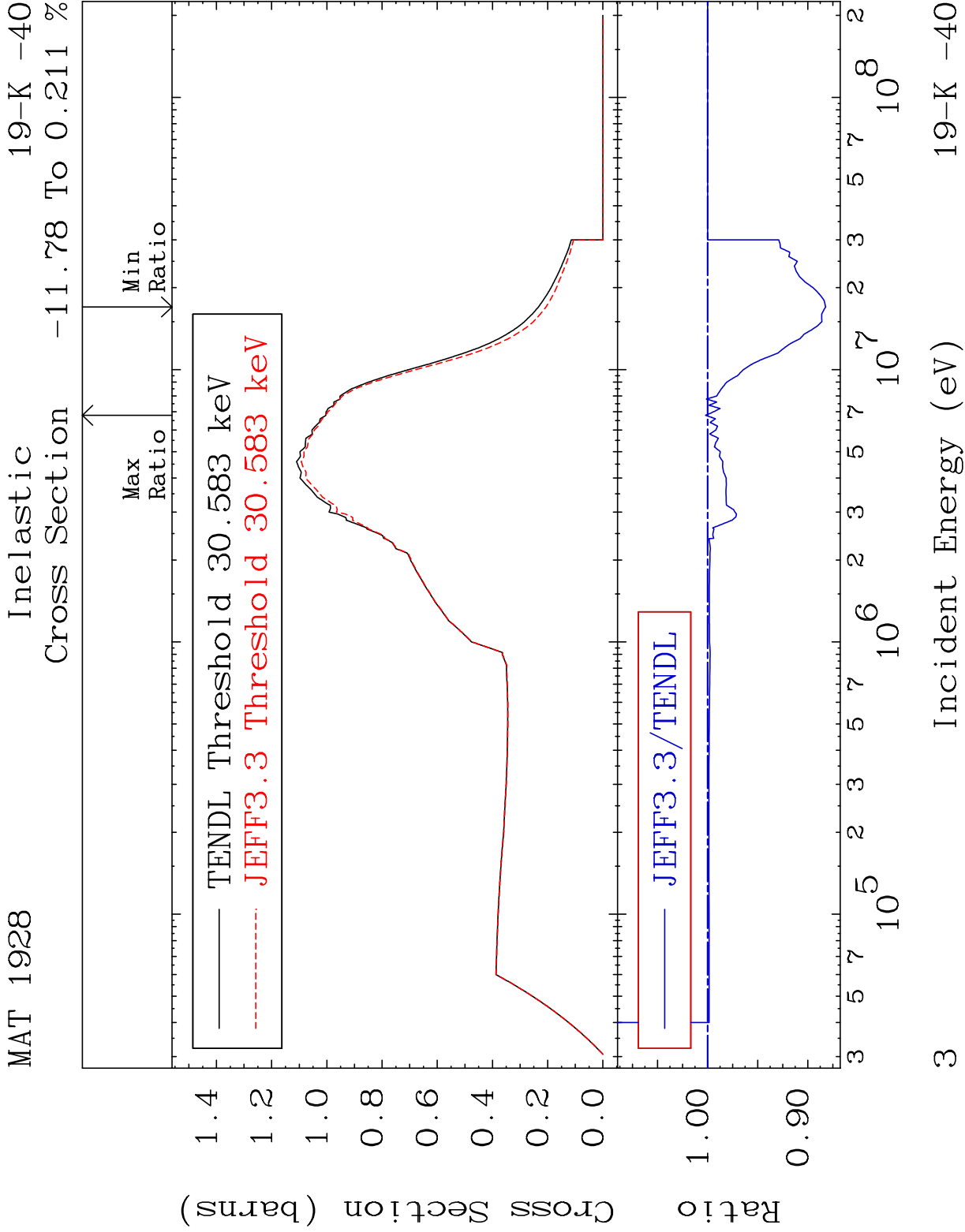
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

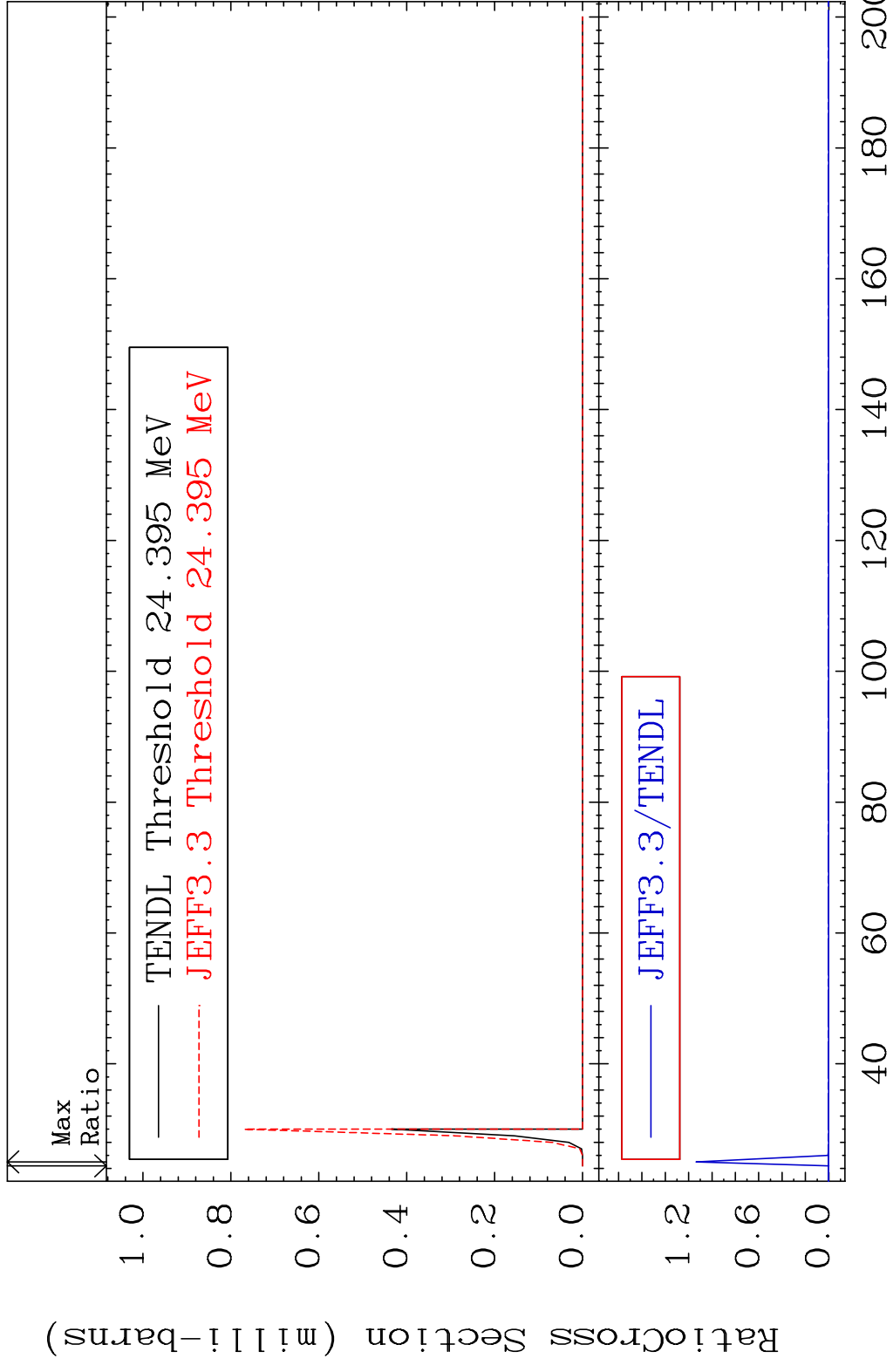
Press Mouse Button to Start







MAT 1928 (n,2n) d 19-K -40
 Cross Section -100.0 To 9999. %

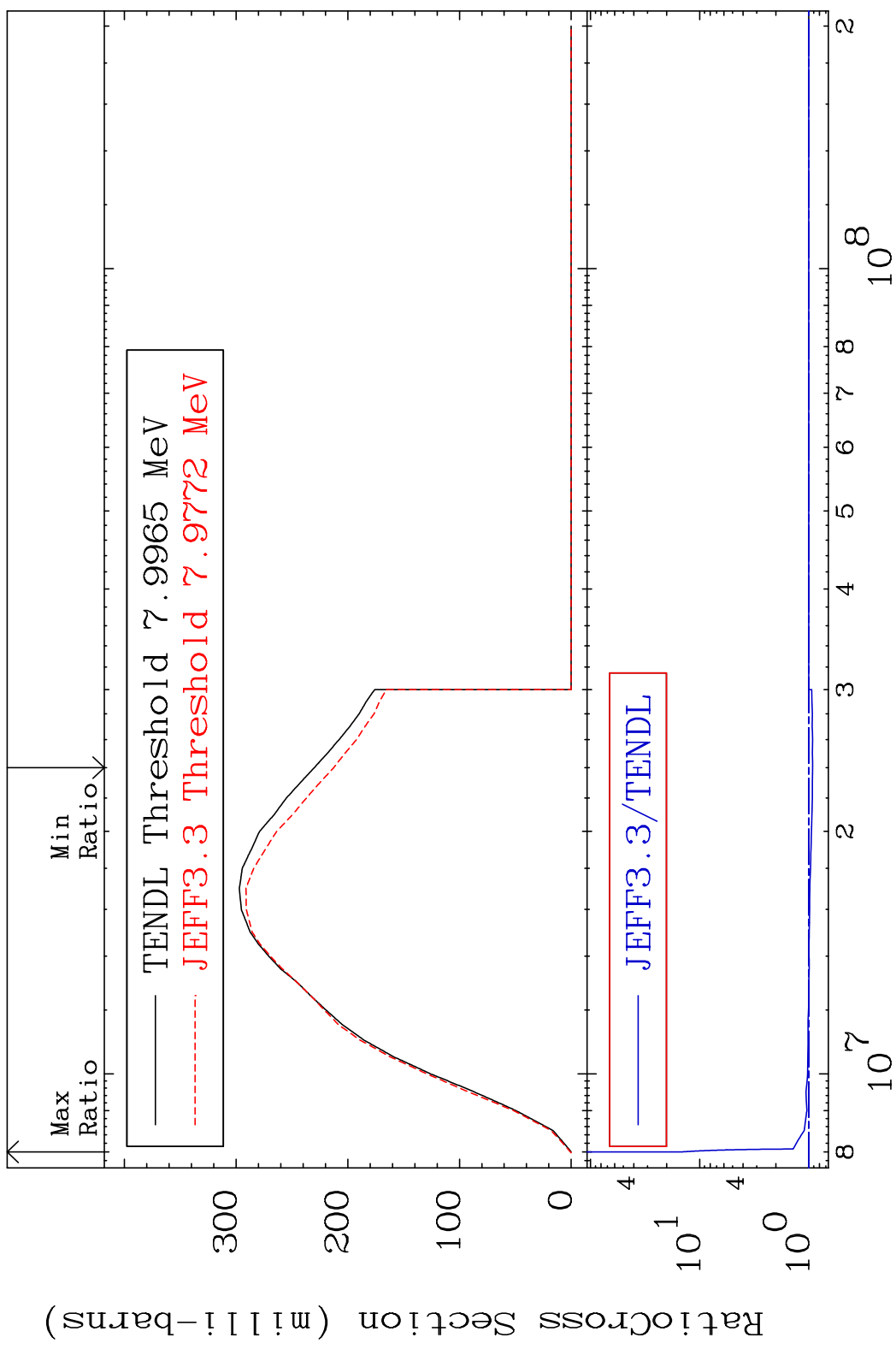


MAT 1928

(n,2n)

19-K -40

Cross Section -7.557 To 1339. %



5

Incident Energy (eV)

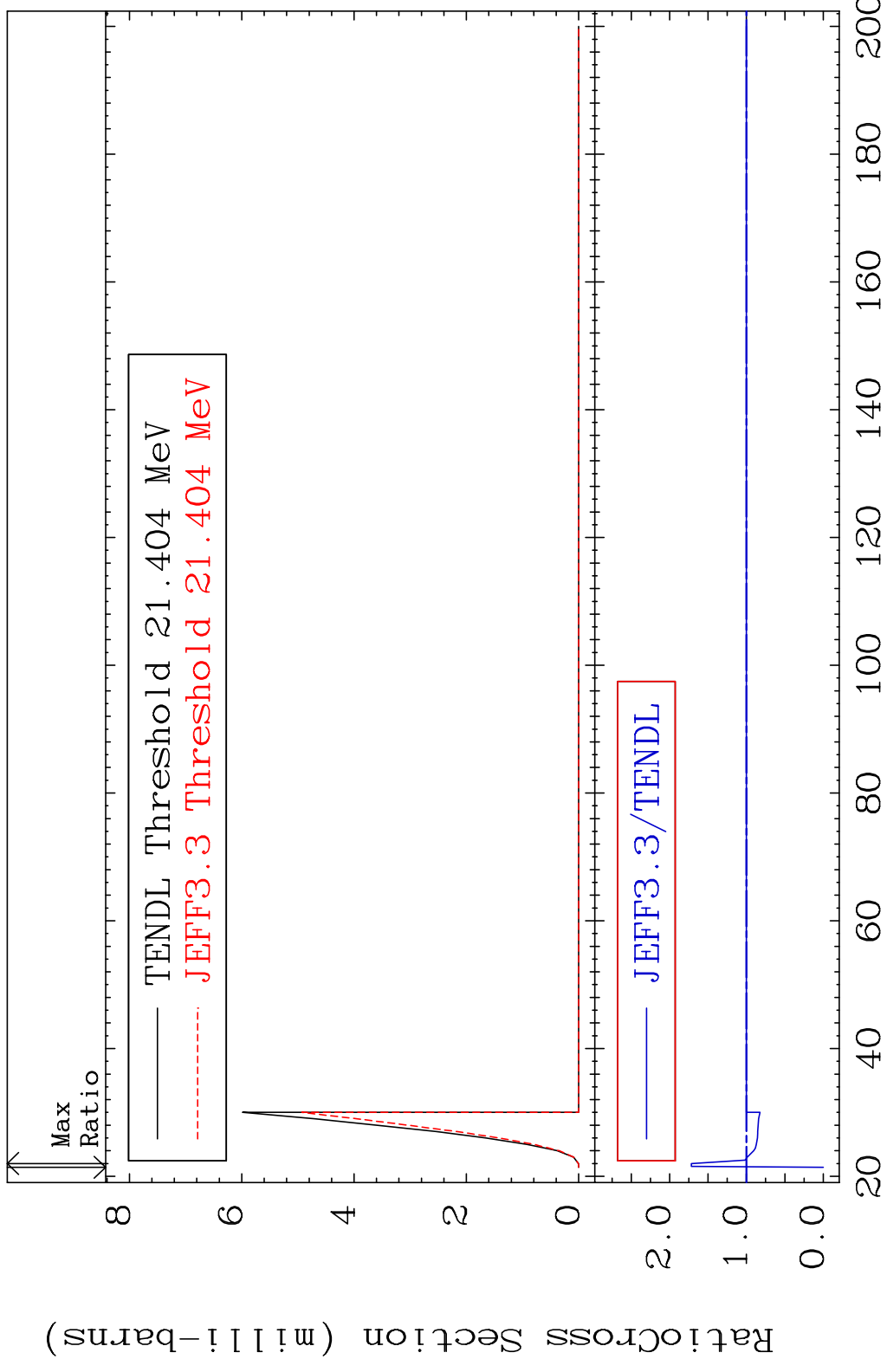
19-K -40

MAT 1928

(n,3n)

19-K -40

Cross Section -100.0 To 71.74 %

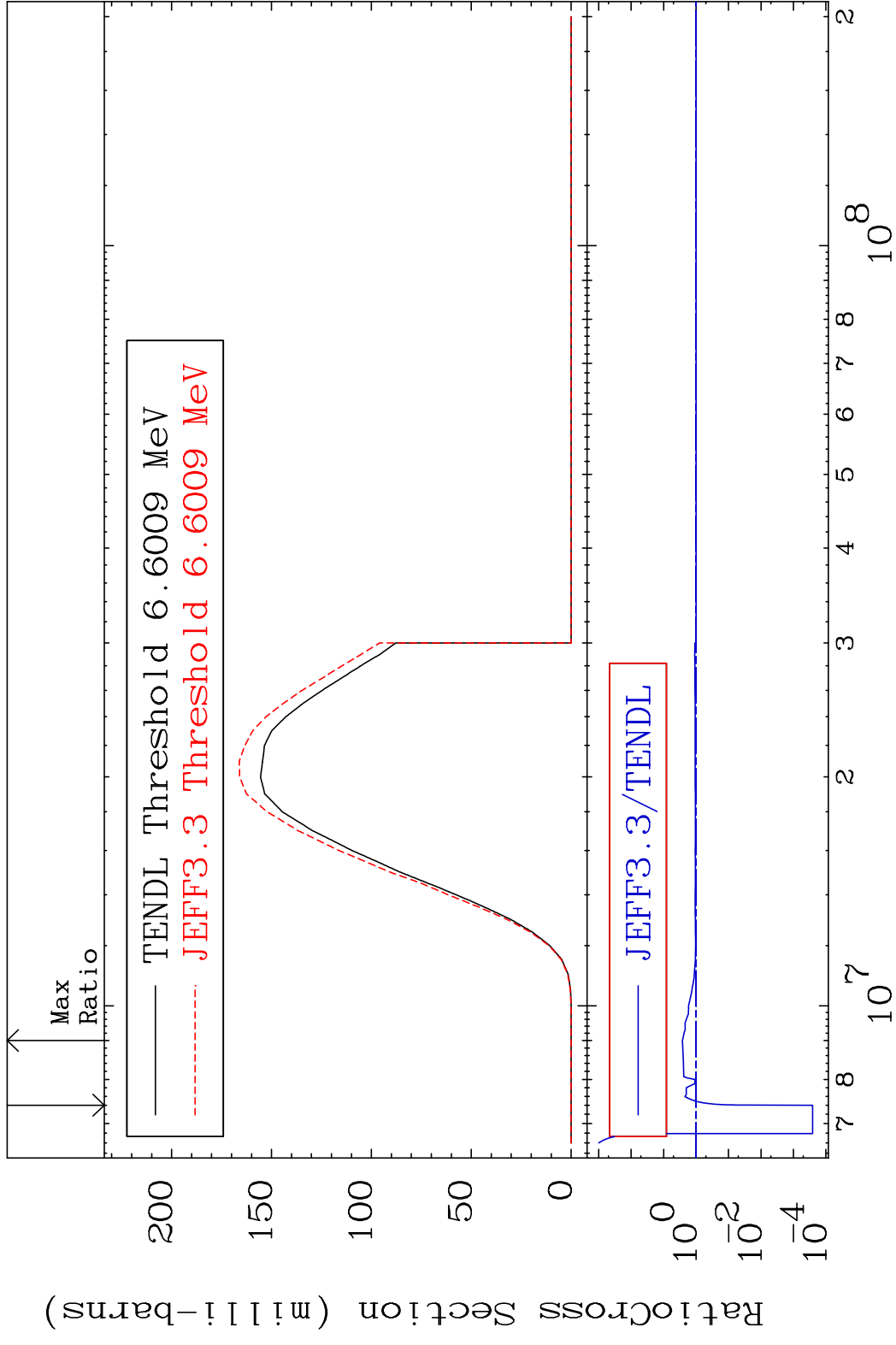


6

Incident Energy (MeV)

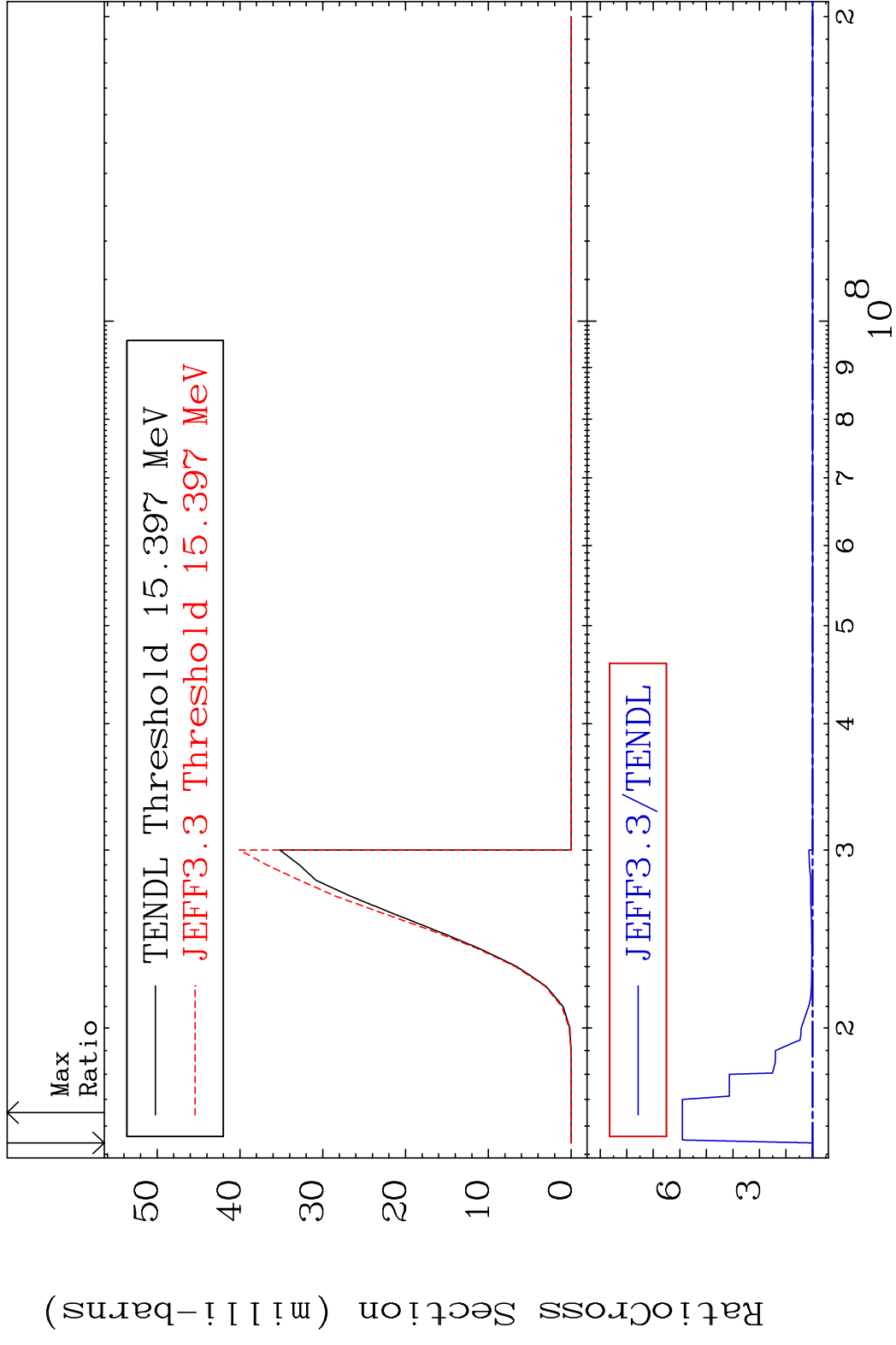
19-K -40

MAT 1928 (n, n') α 19-K -40
 Cross Section -99.97 To 165.1 %



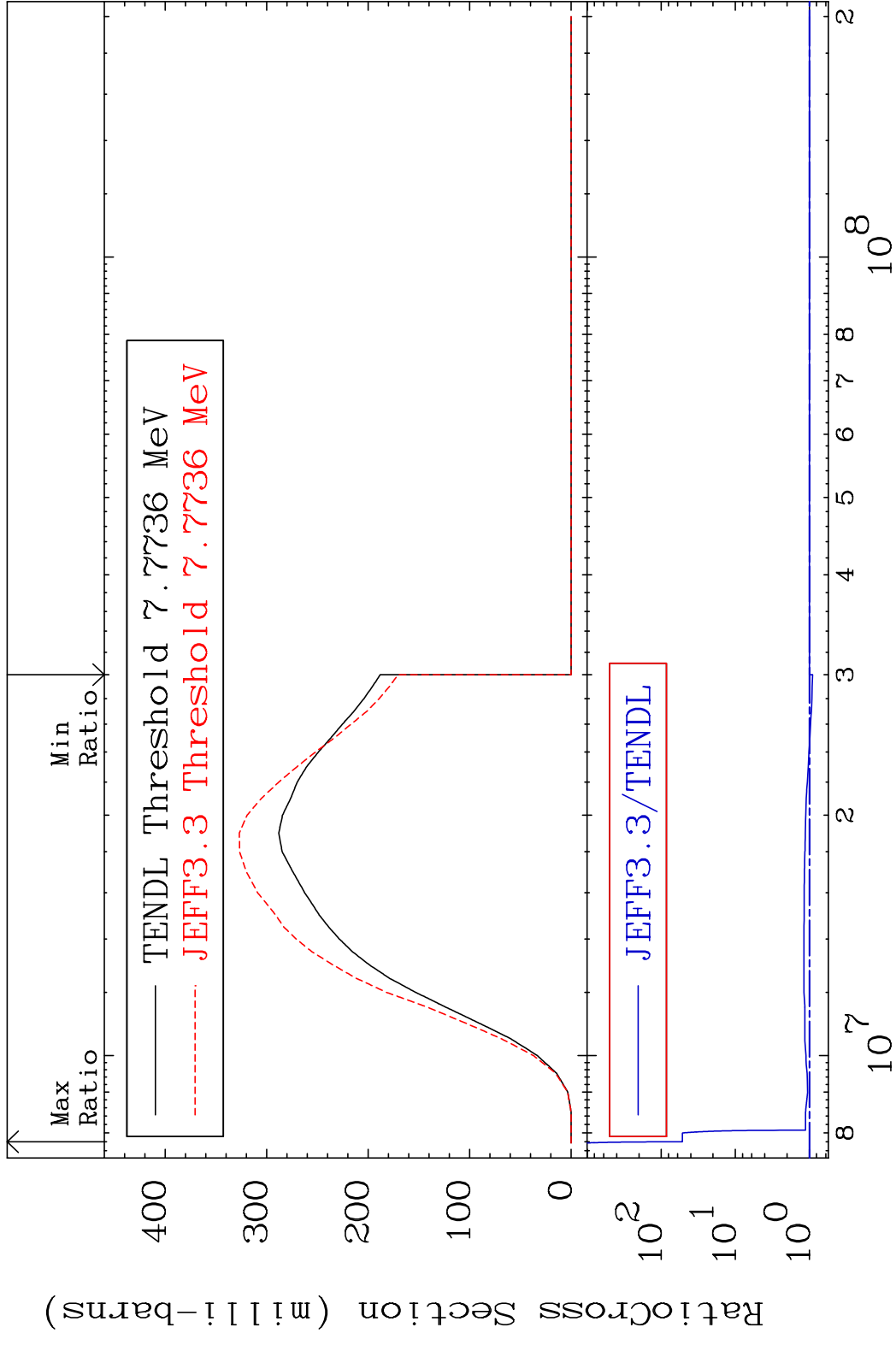
7 19-K -40

MAT 1928 (n,2n) α 19-K -40
 Cross Section 0.000 To 490.5 %



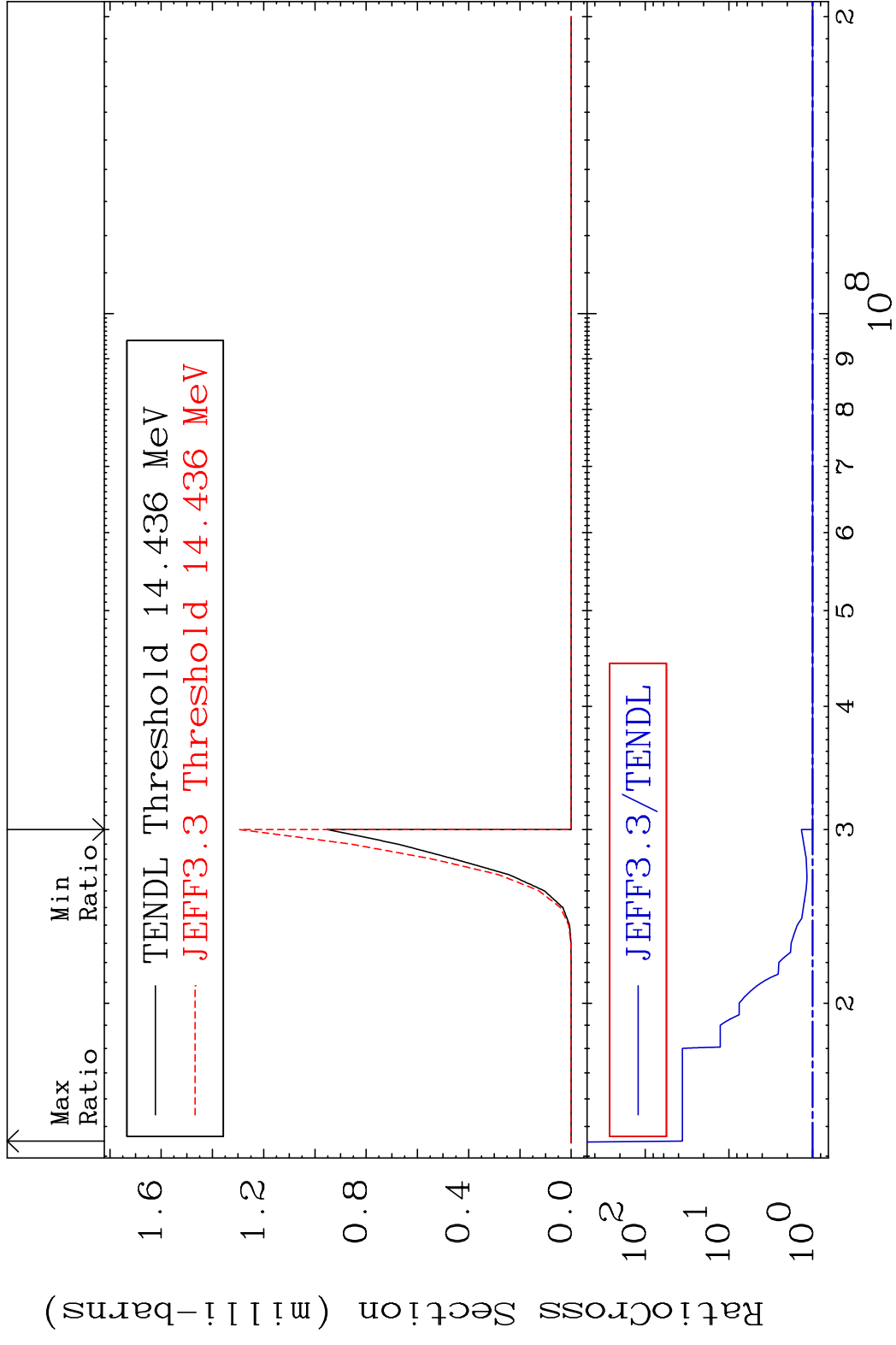
8 19-K -40

MAT 1928 (n, n') p 19-K -40
 Cross Section -9.403 To 5090. %



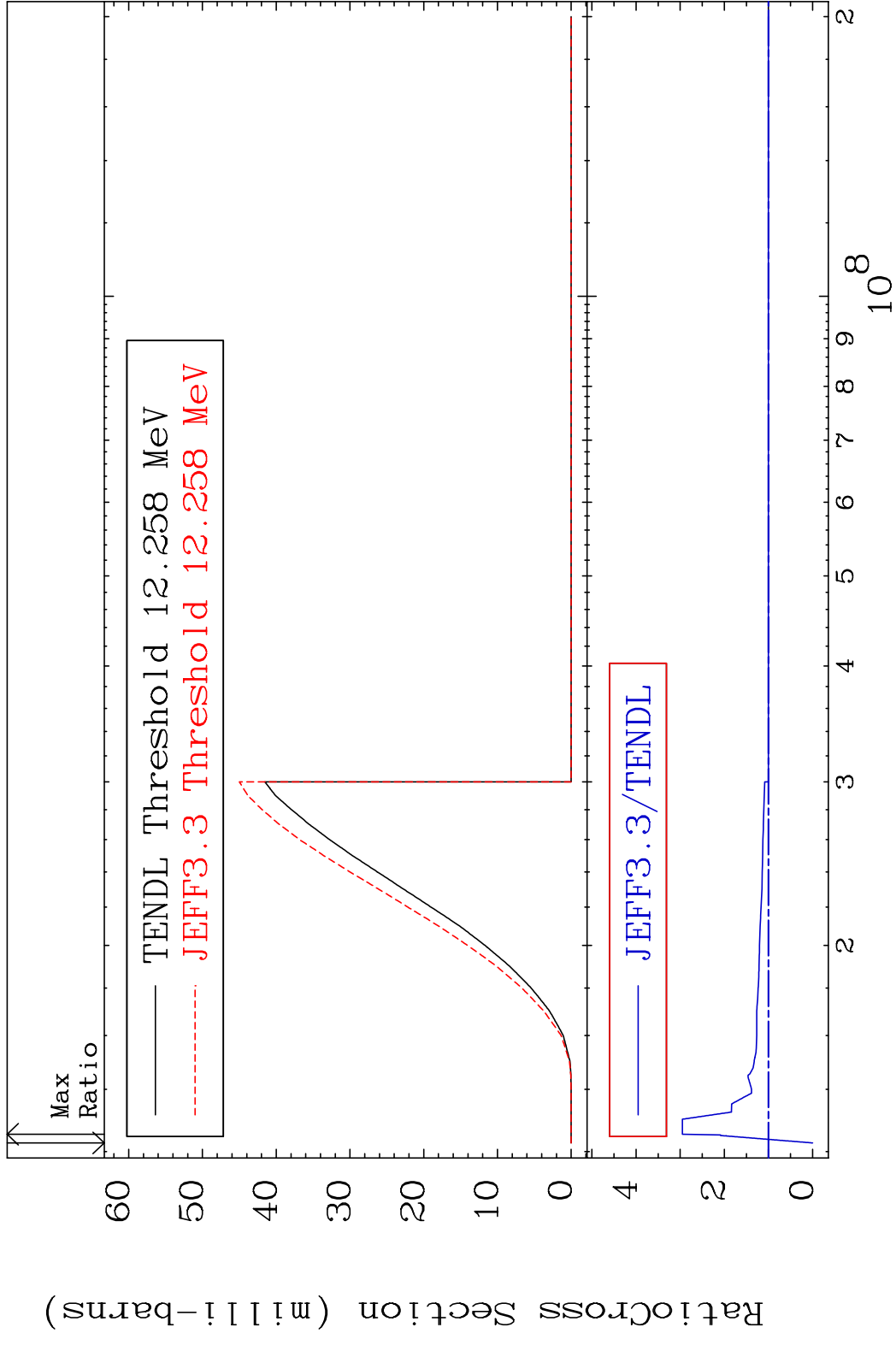
9 9 Incident Energy (eV) 19-K -40

MAT 1928 (n, n') 2α 19-K -40
 Cross Section 0.000 To 3495. %

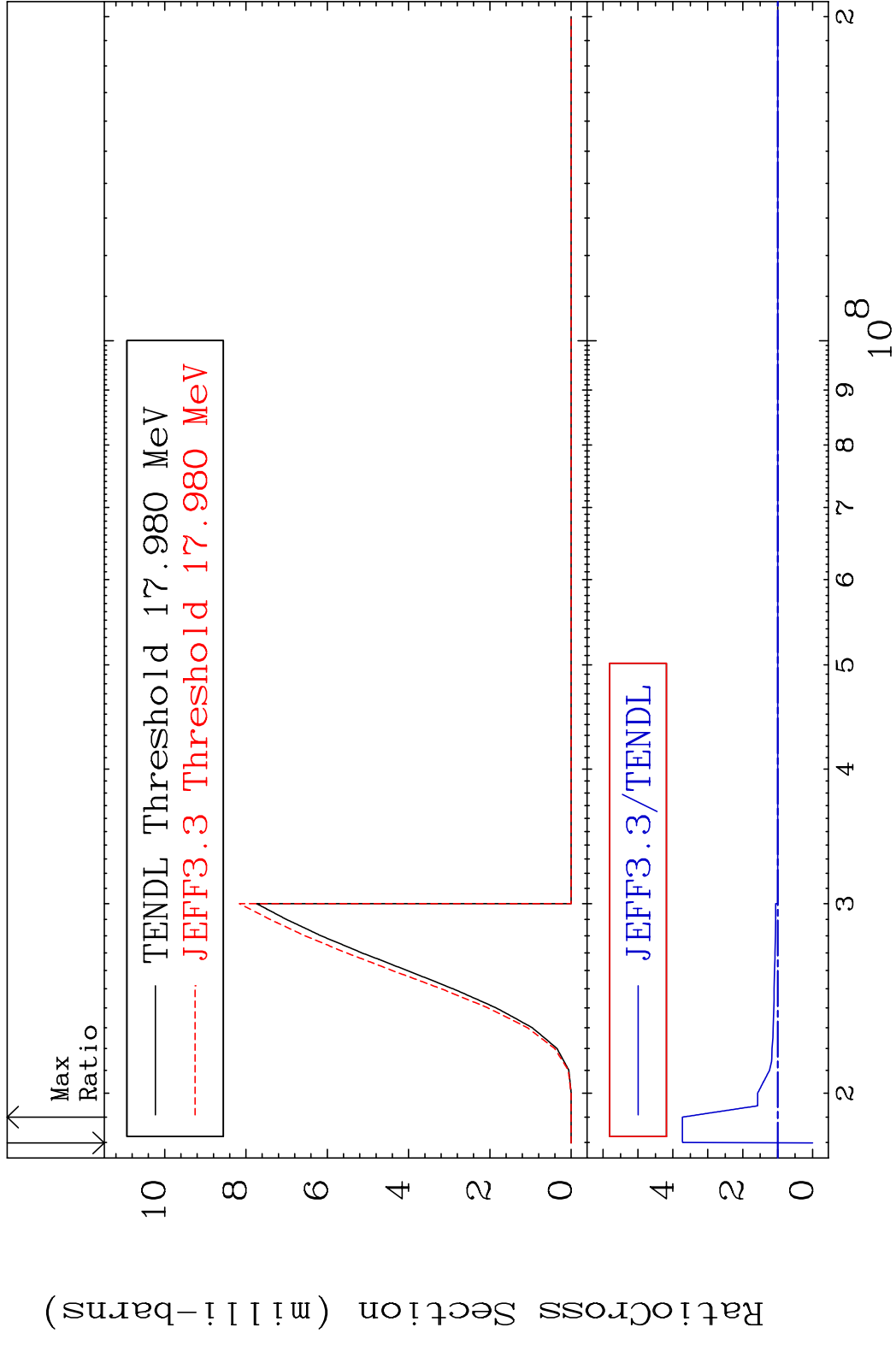


10 19-K -40

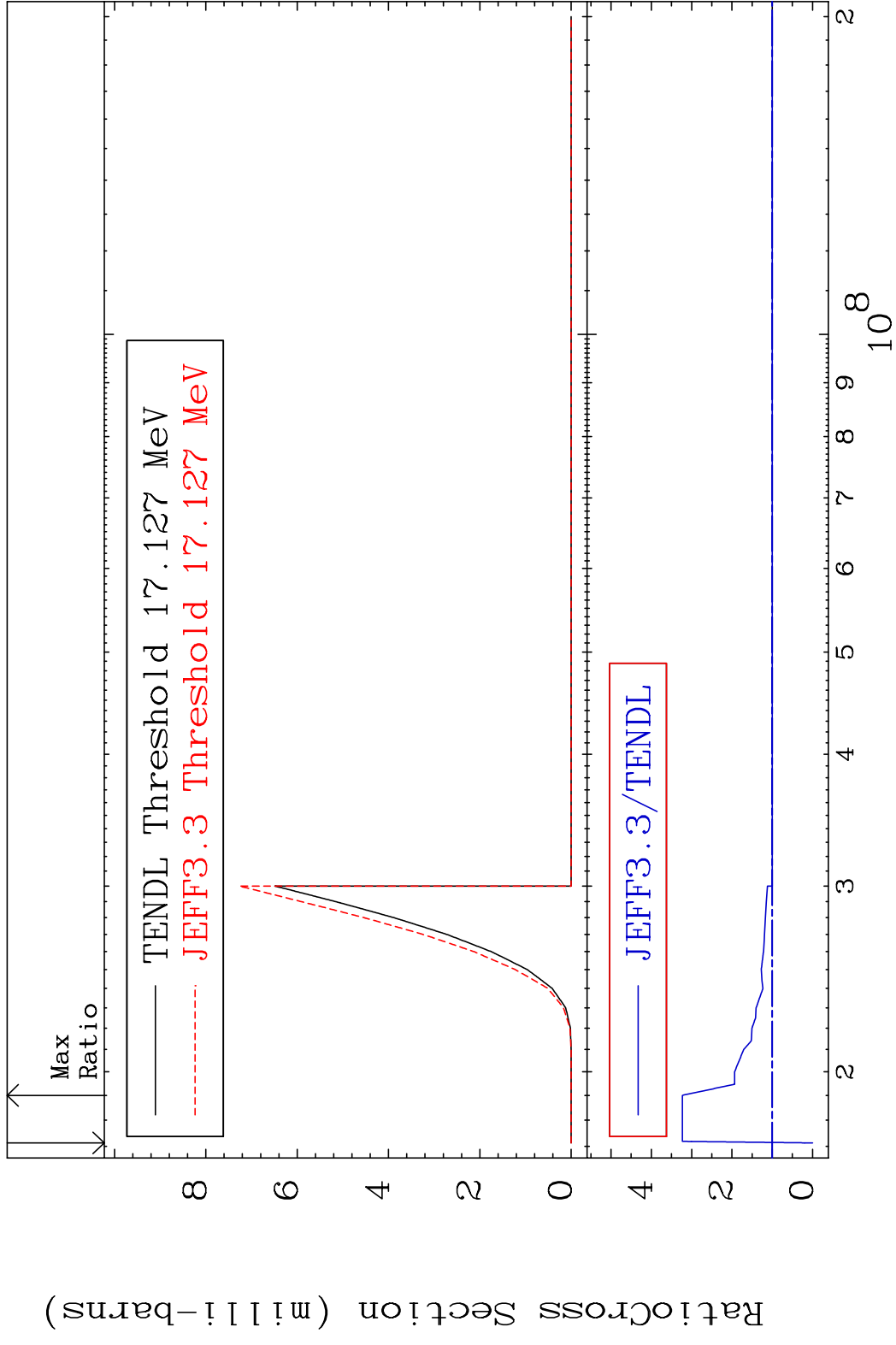
MAT 1928 (n, n') d 19-K -40
 Cross Section -100.0 To 195.1 %



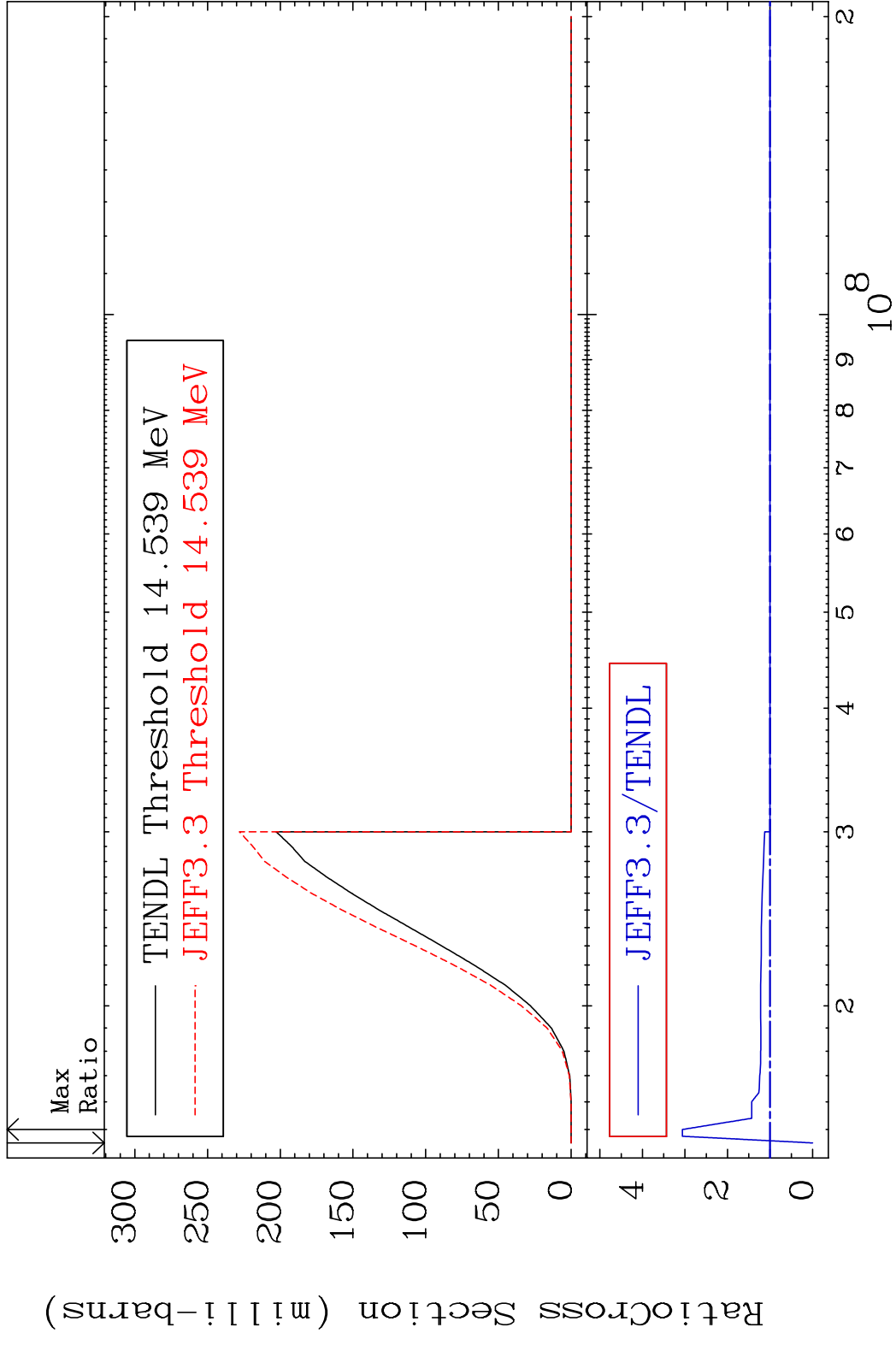
MAT 1928 (n, n') t 19-K -40
 Cross Section -100.0 To 272.9 %



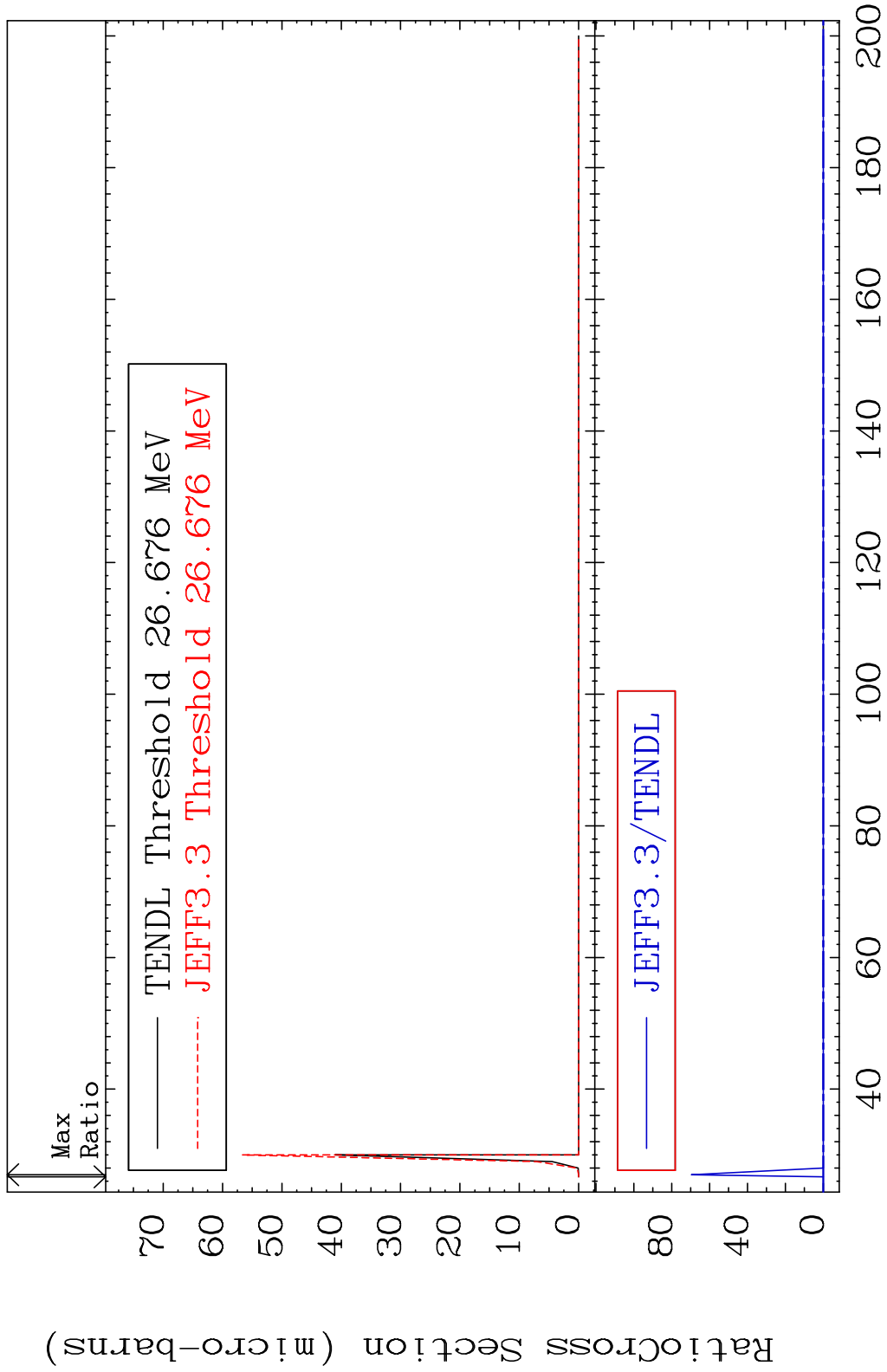
MAT 1928 (n,n') He-3 19-K -40
 Cross Section -100.0 To 223.0 %



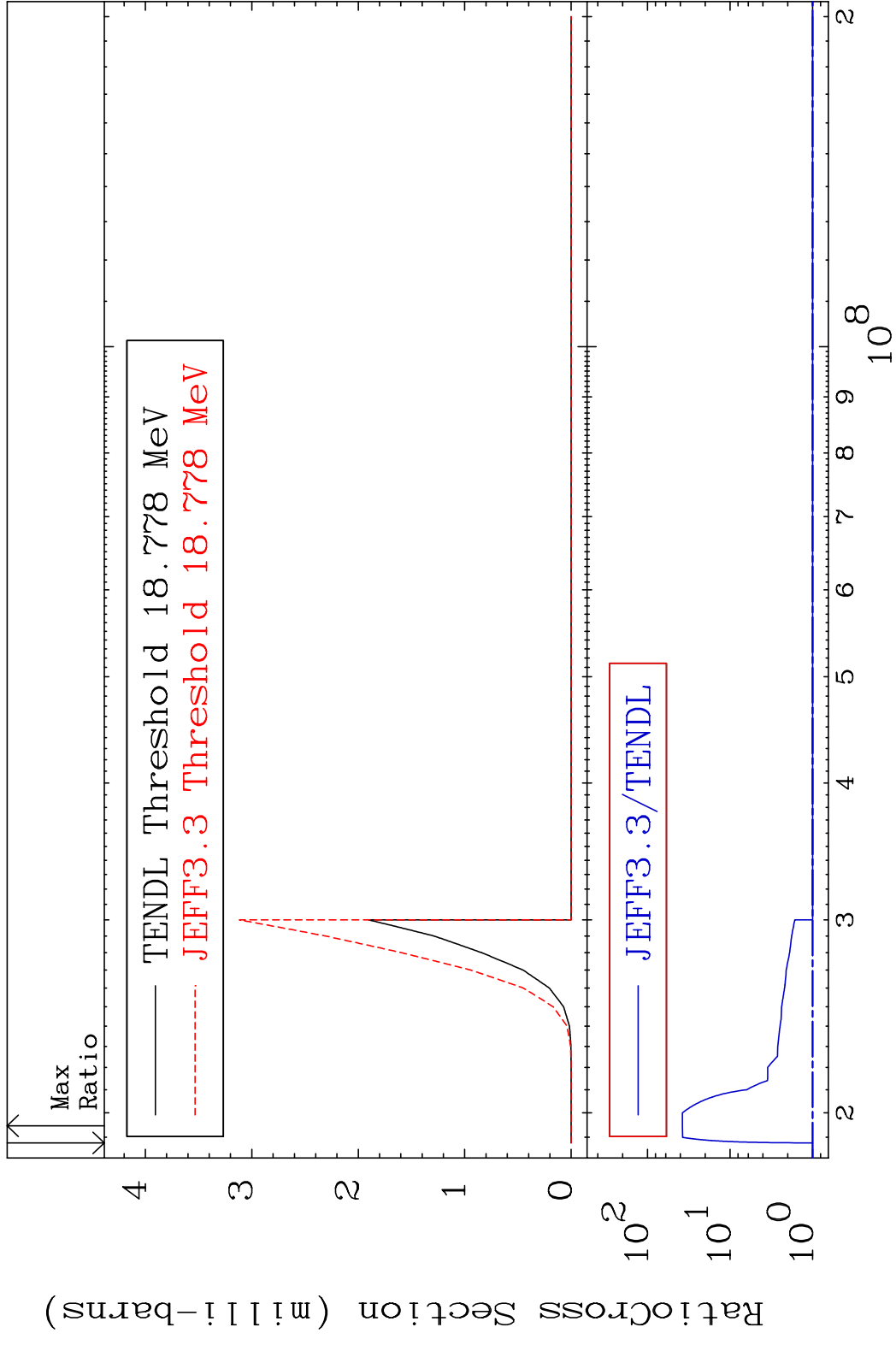
MAT 1928 (n,2n) p 19-K -40
 Cross Section -100.0 To 206.1 %



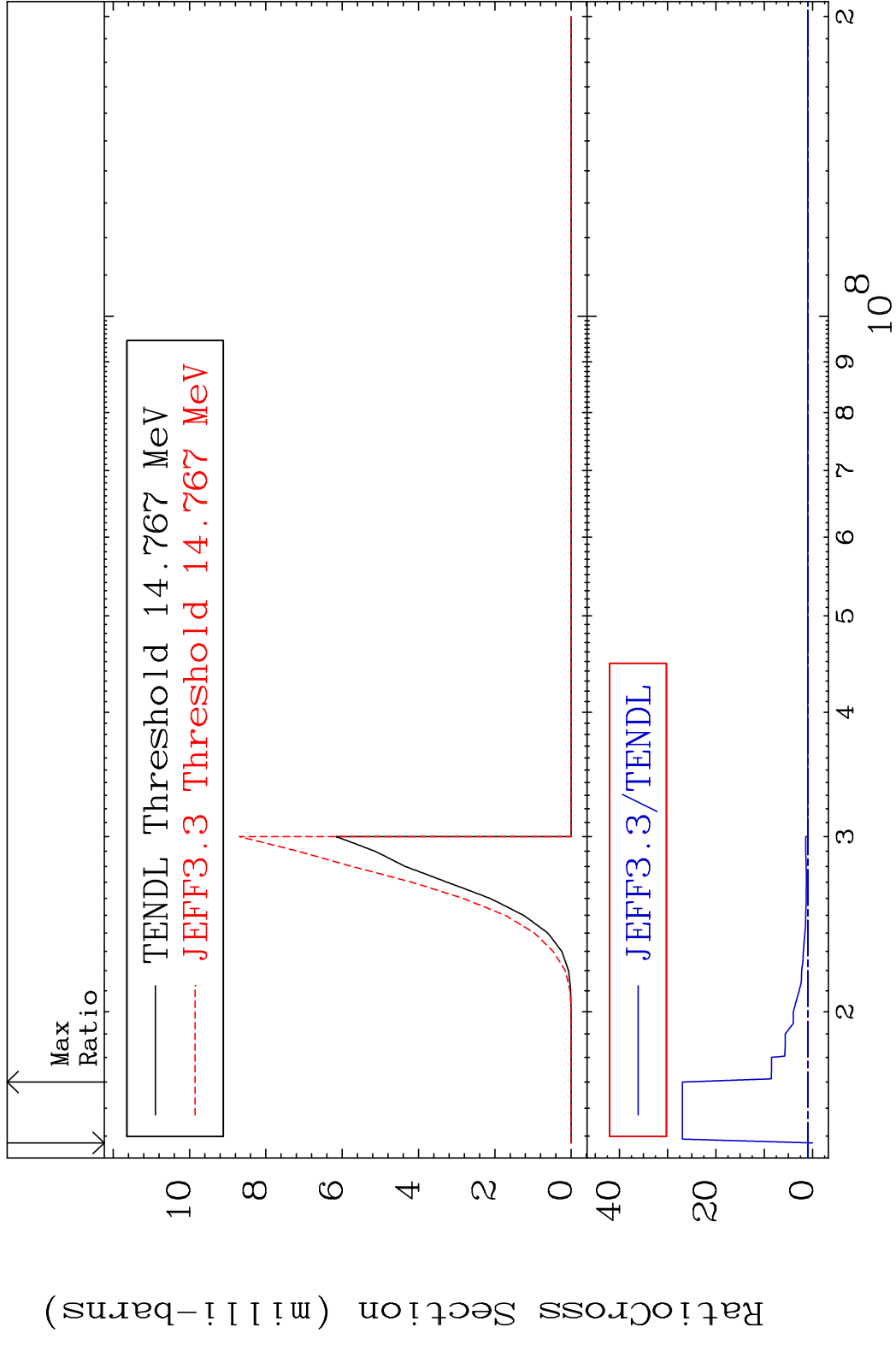
MAT 1928 (n,3n) p 19-K -40
 Cross Section -100.0 To 9999. %



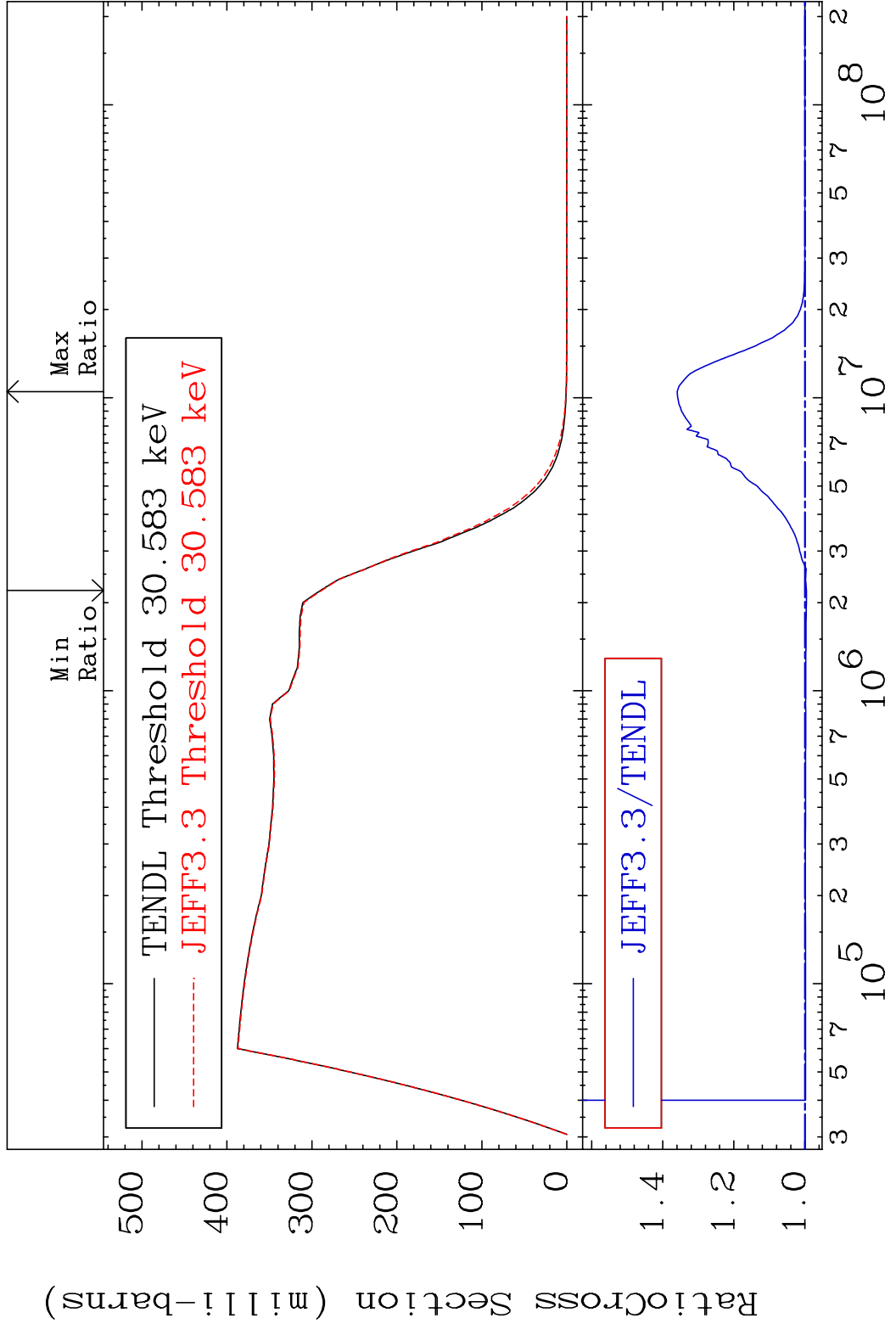
MAT 1928 (n,2n) p 19-K -40
 Cross Section 0.000 To 3680. %



MAT 1928 (n,n') p α 19-K -40
 Cross Section -100.0 To 2596. %

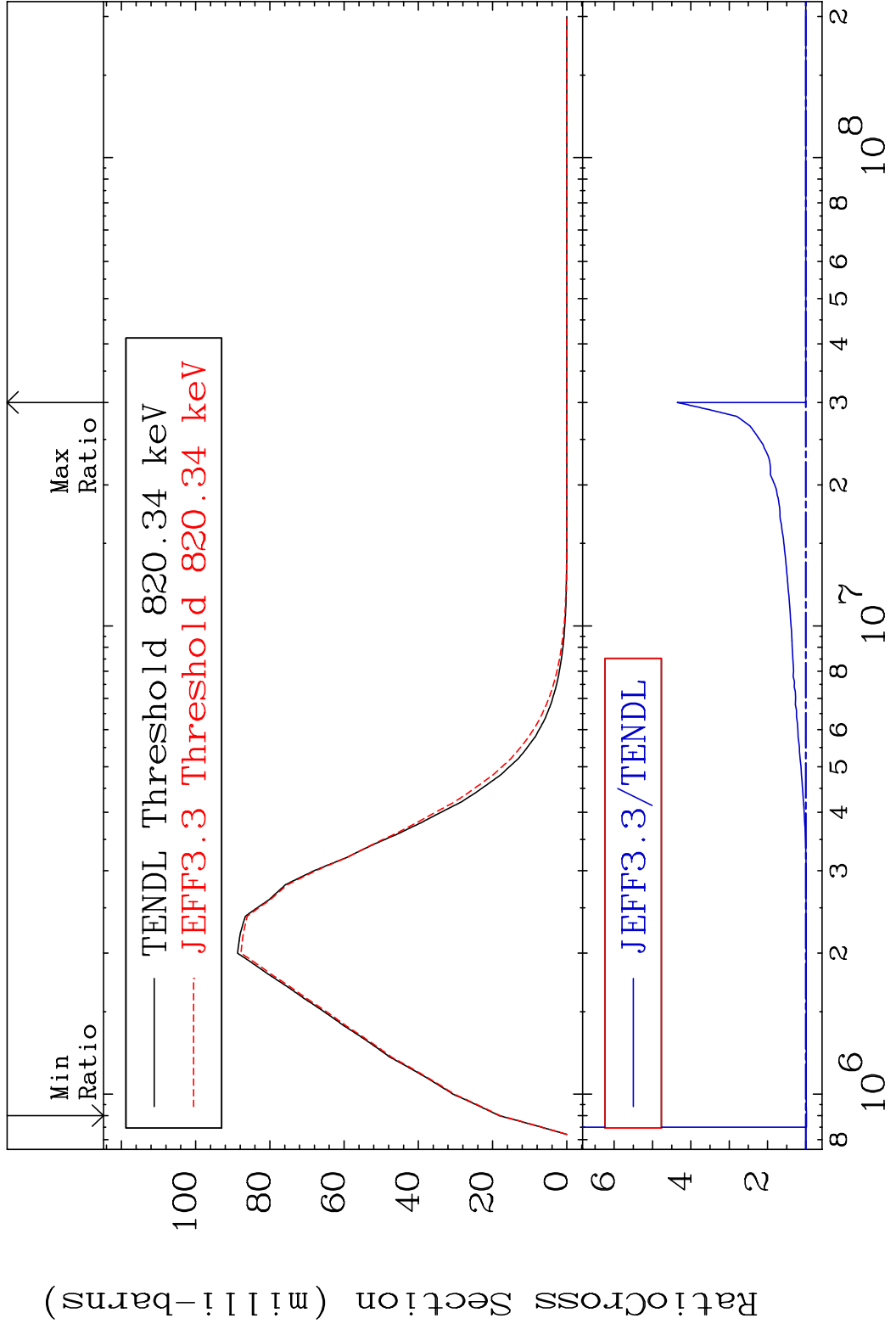


MAT 1928 MT= 51 (n, n') Level 19-K -40
 Cross Section -0.407 To 35.94 %

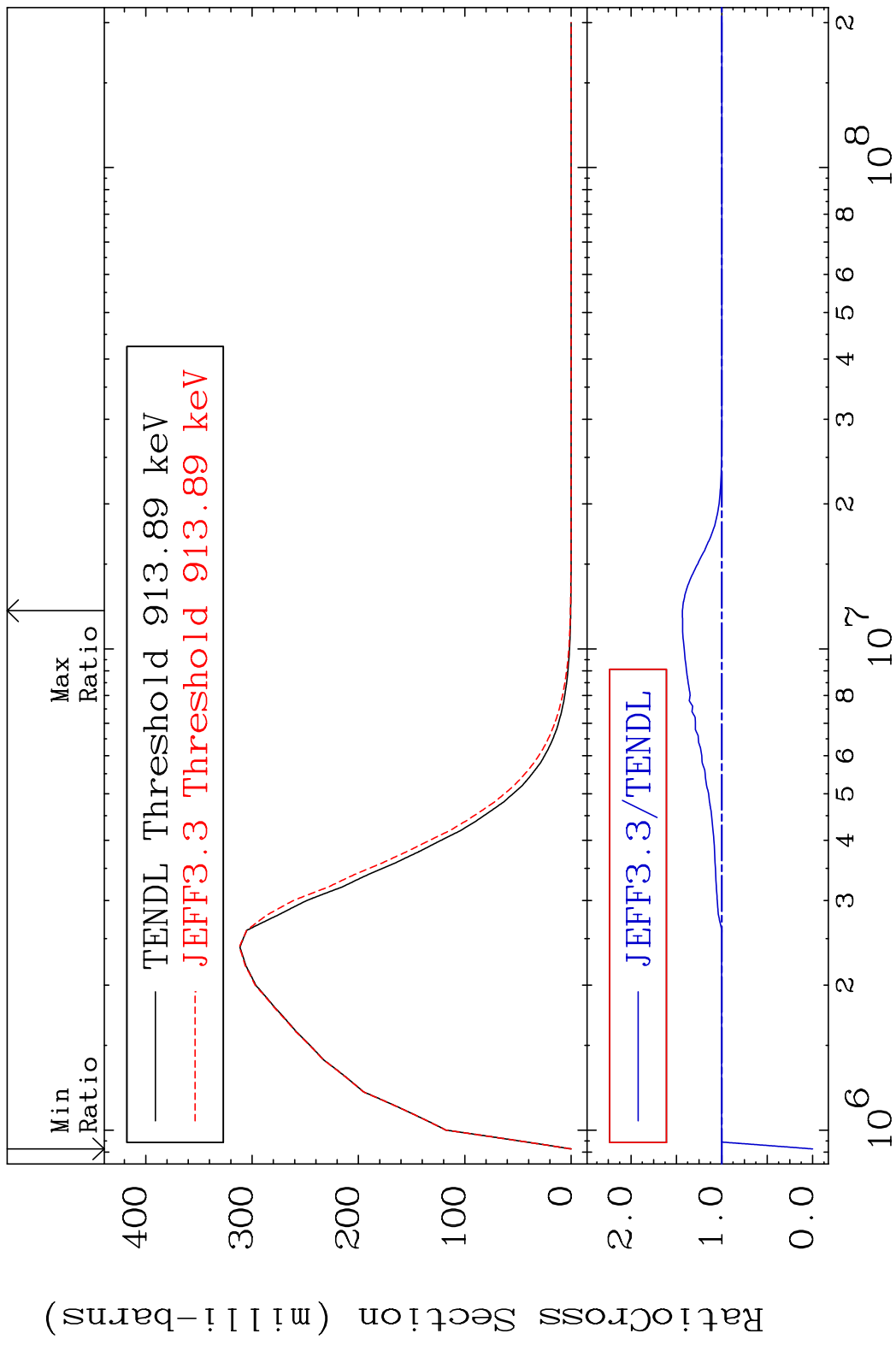


18 19-K -40

MAT 1928 MT= 52 (n,n') Level 19-K -40
 Cross Section -1.376 To 335.6 %

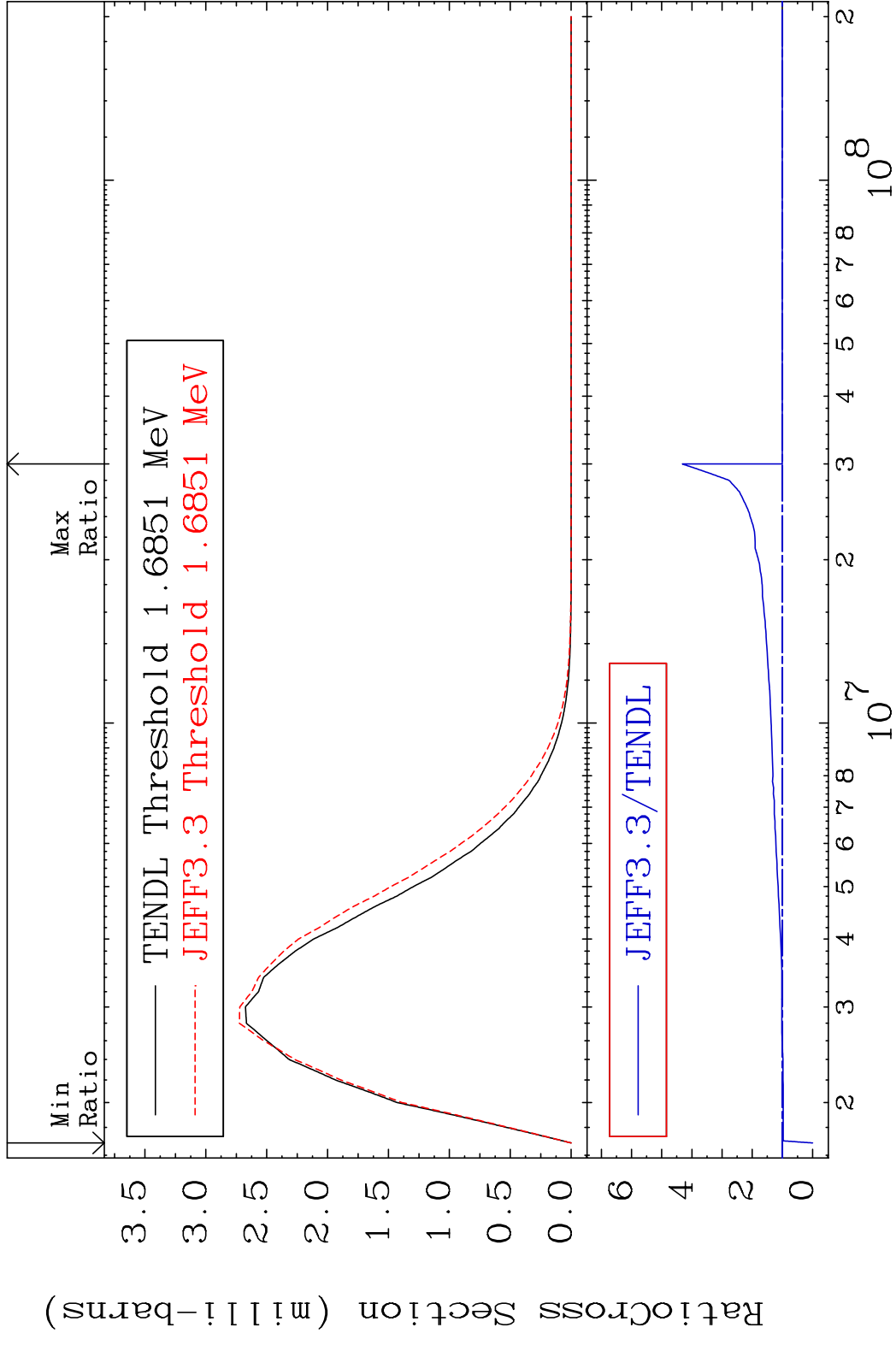


MAT 1928 MT= 53 (n, n') Level 19-K -40
 Cross Section -100.0 To 43.44 %

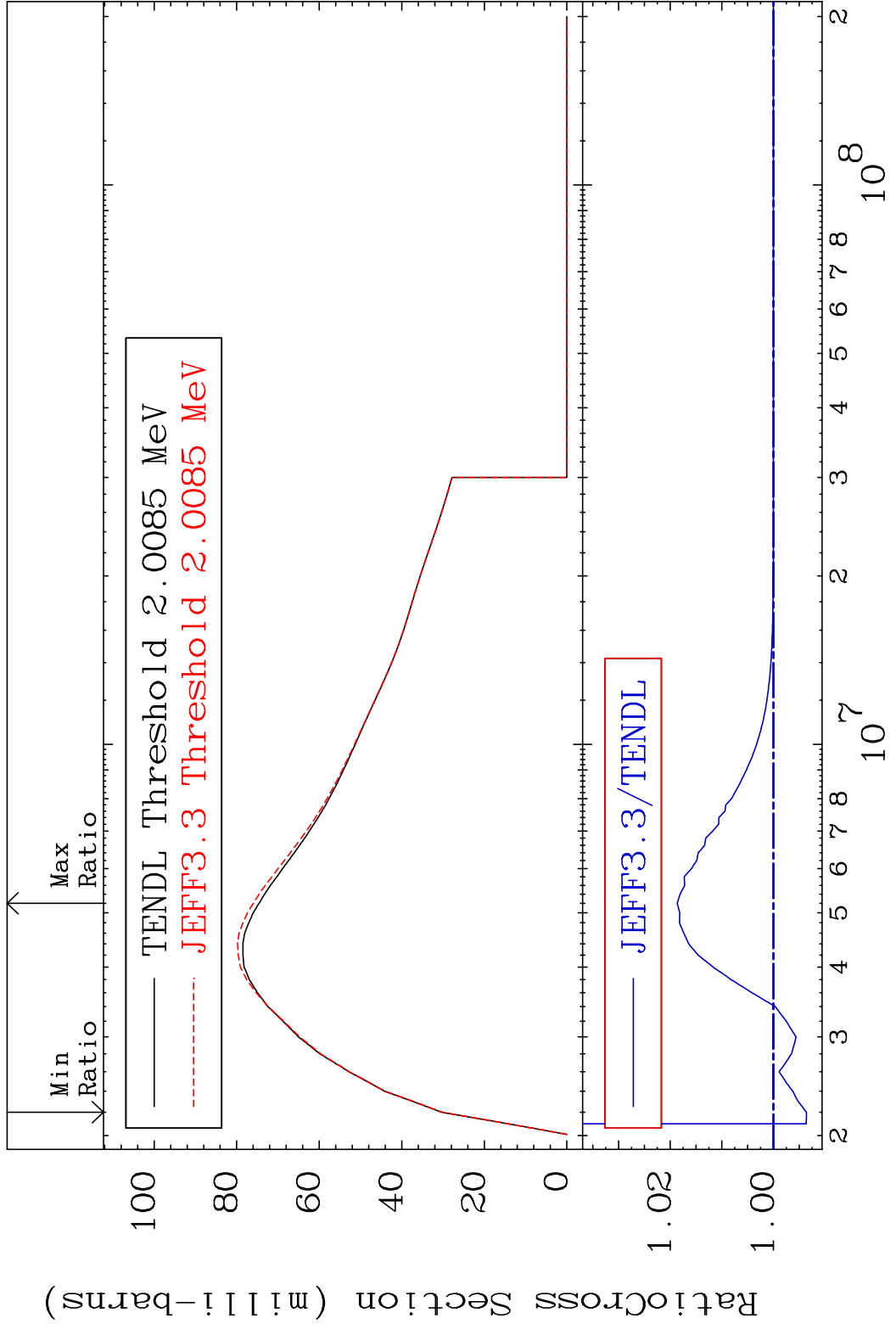


20 10⁶ 2 3 4 5 6 8 10⁷ 10⁸ 19-K -40

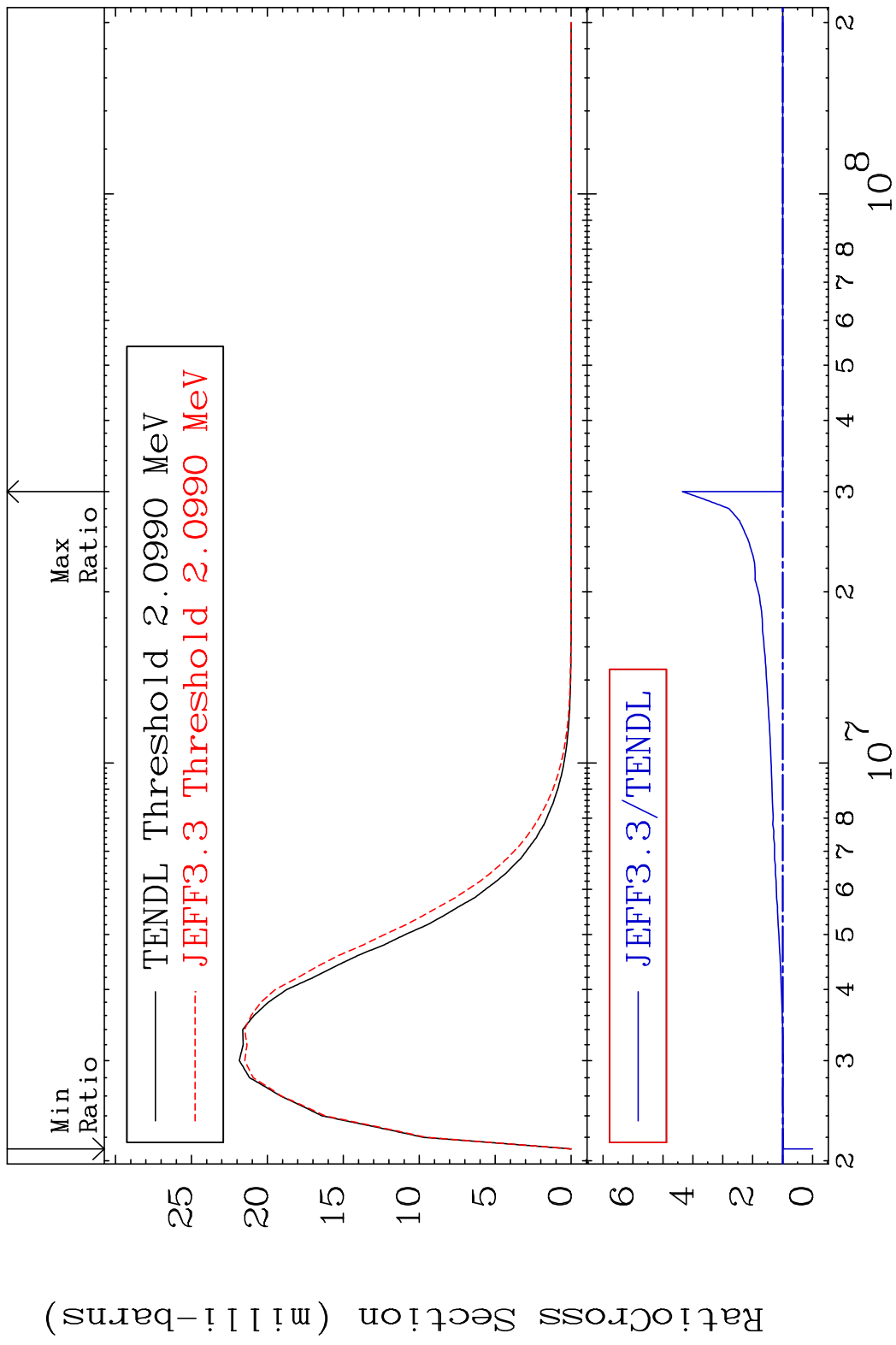
MAT 1928 MT= 54 (n, n') Level 19-K -40
 Cross Section -100.0 To 331.6 %



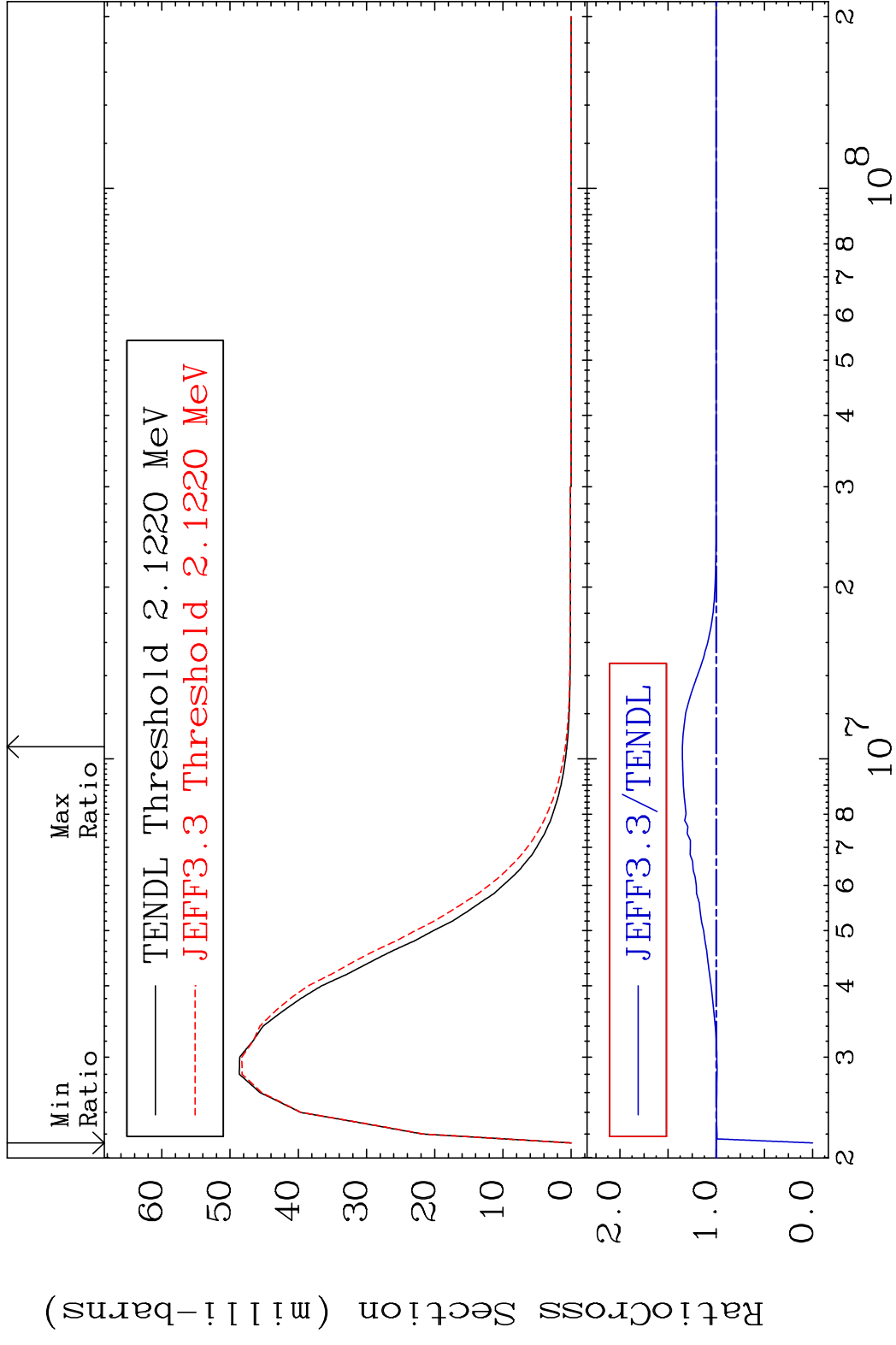
MAT 1928 MT= 55 (n,n') Level 19-K -40
 Cross Section -0.639 To 1.866 %



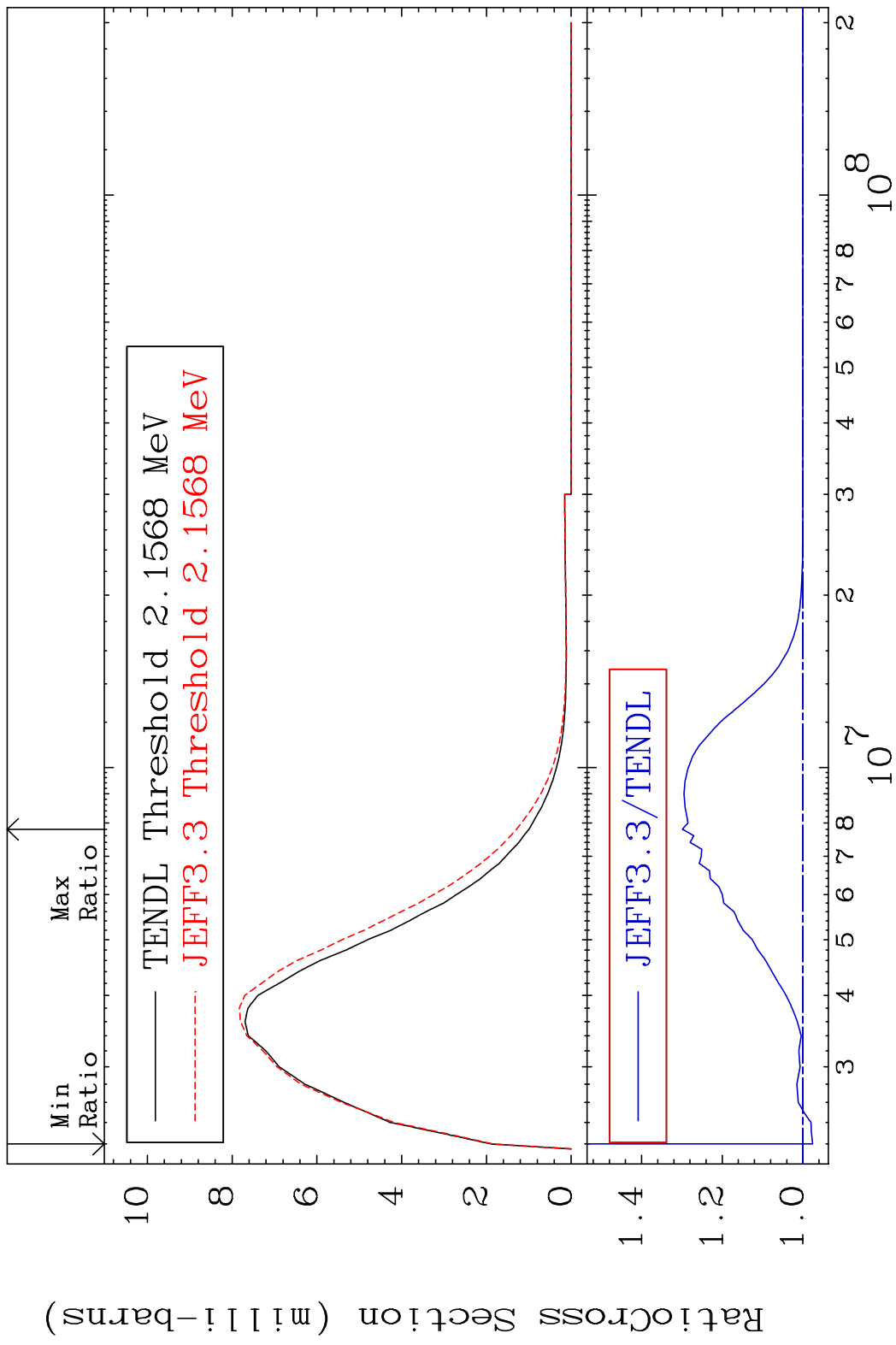
MAT 1928 MT= 56 (n, n') Level 19-K -40
 Cross Section -100.0 To 335.1 %



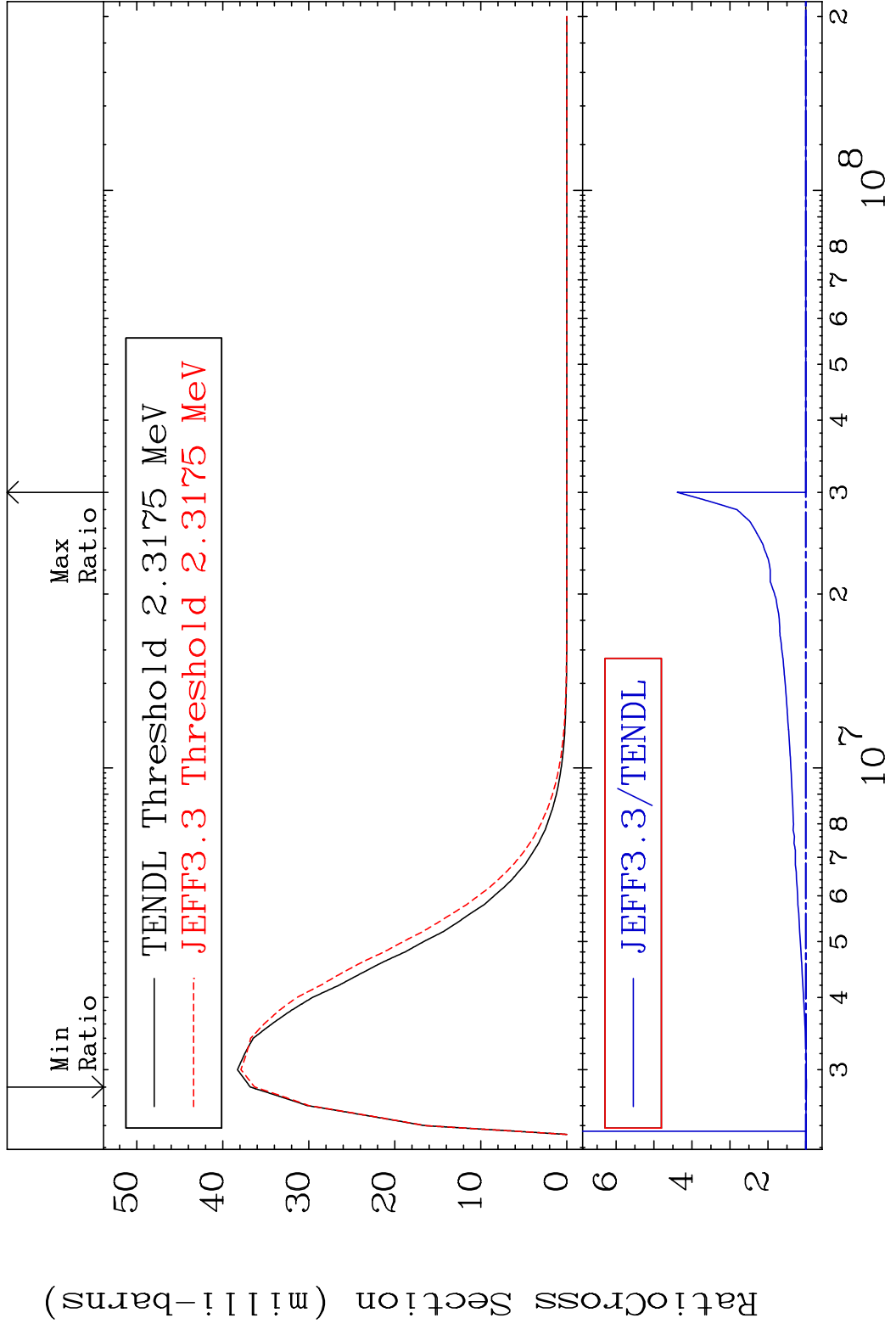
MAT 1928 MT= 57 (n, n') Level 19-K -40
 Cross Section -100.0 To 35.19 %



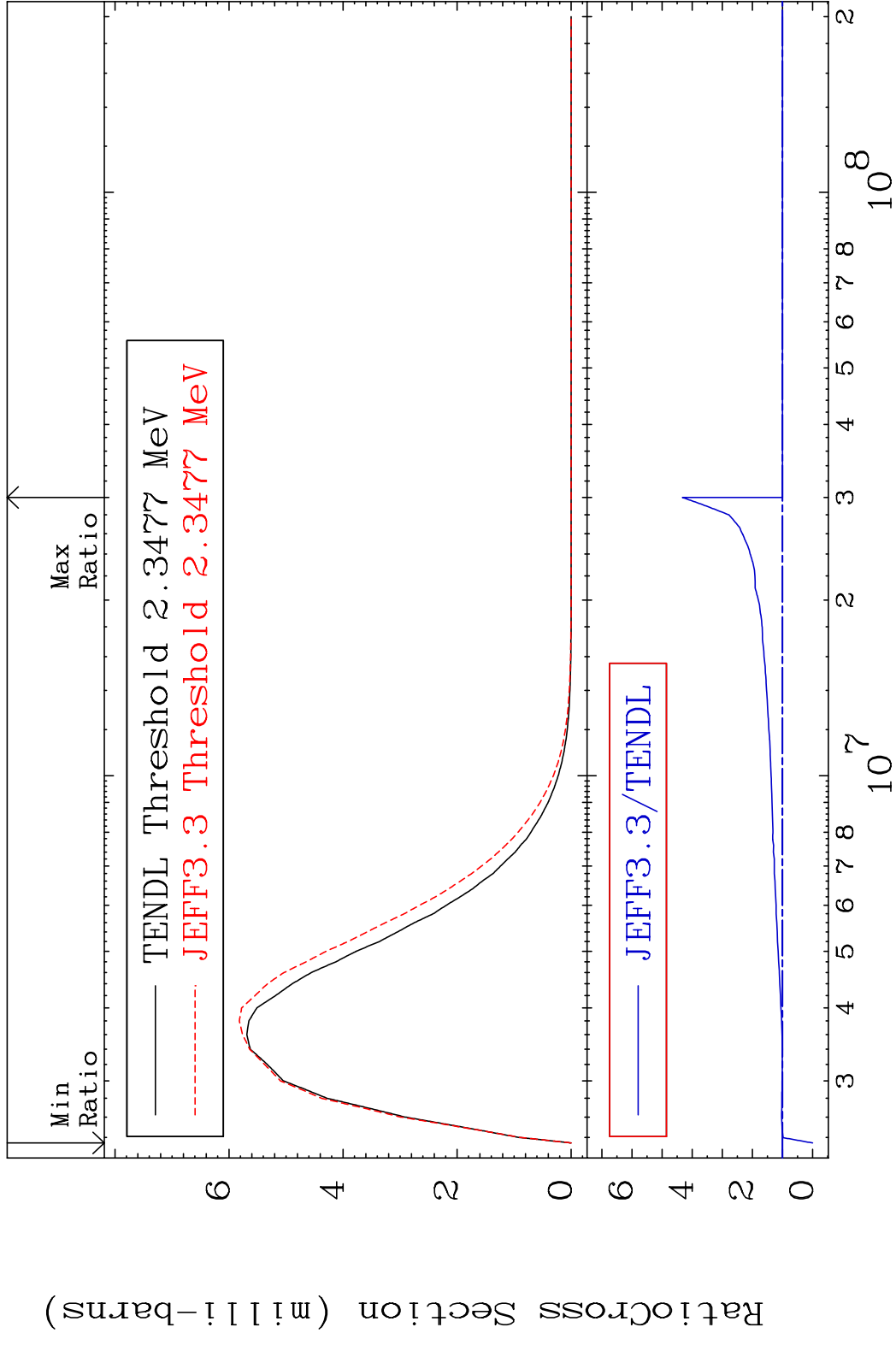
MAT 1928 MT= 58 (n, n') Level 19-K -40
 Cross Section -2.404 To 29.89 %



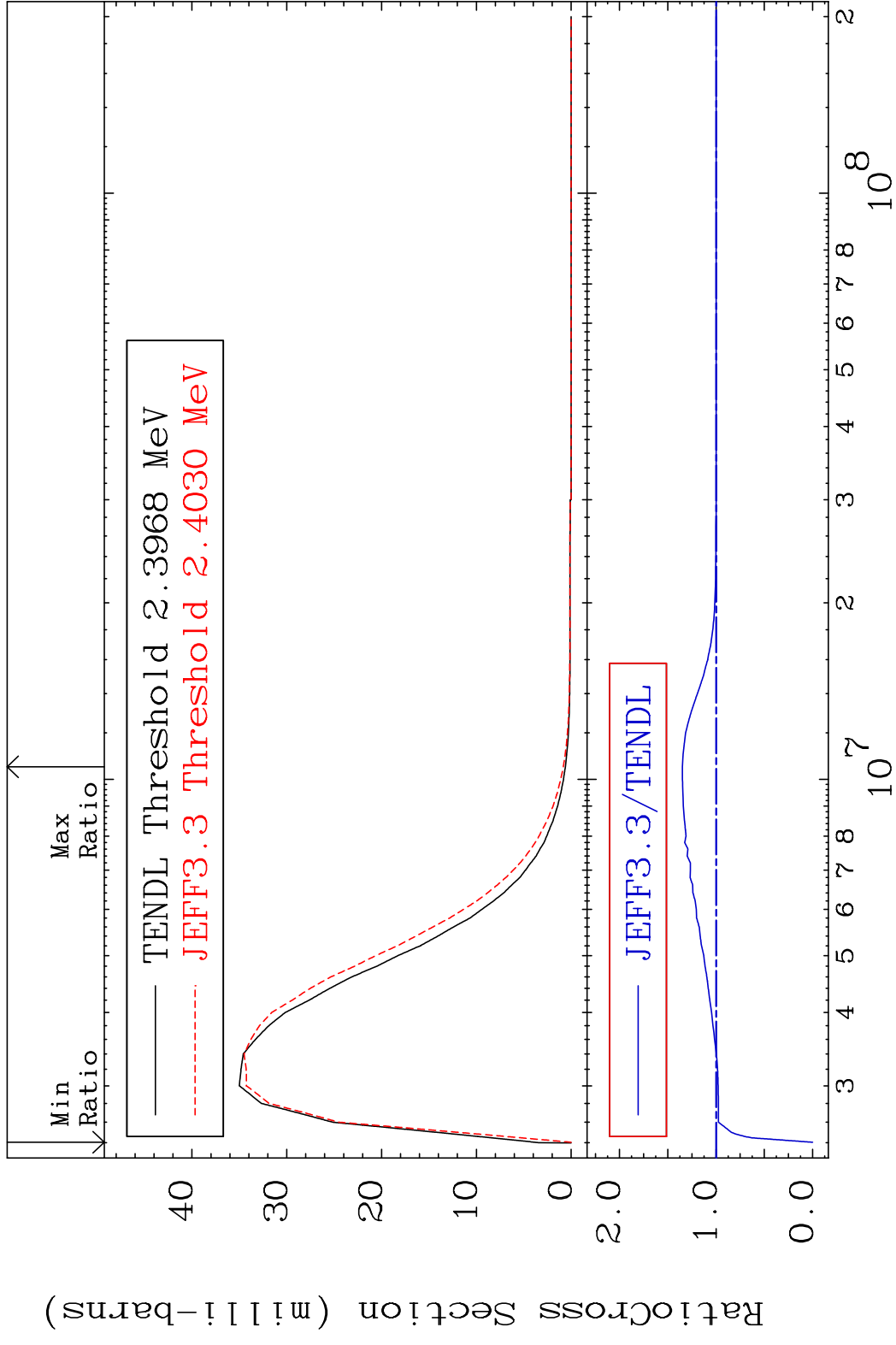
MAT 1928 MT= 59 (n, n') Level 19-K -40
 Cross Section -1.390 To 338.9 %



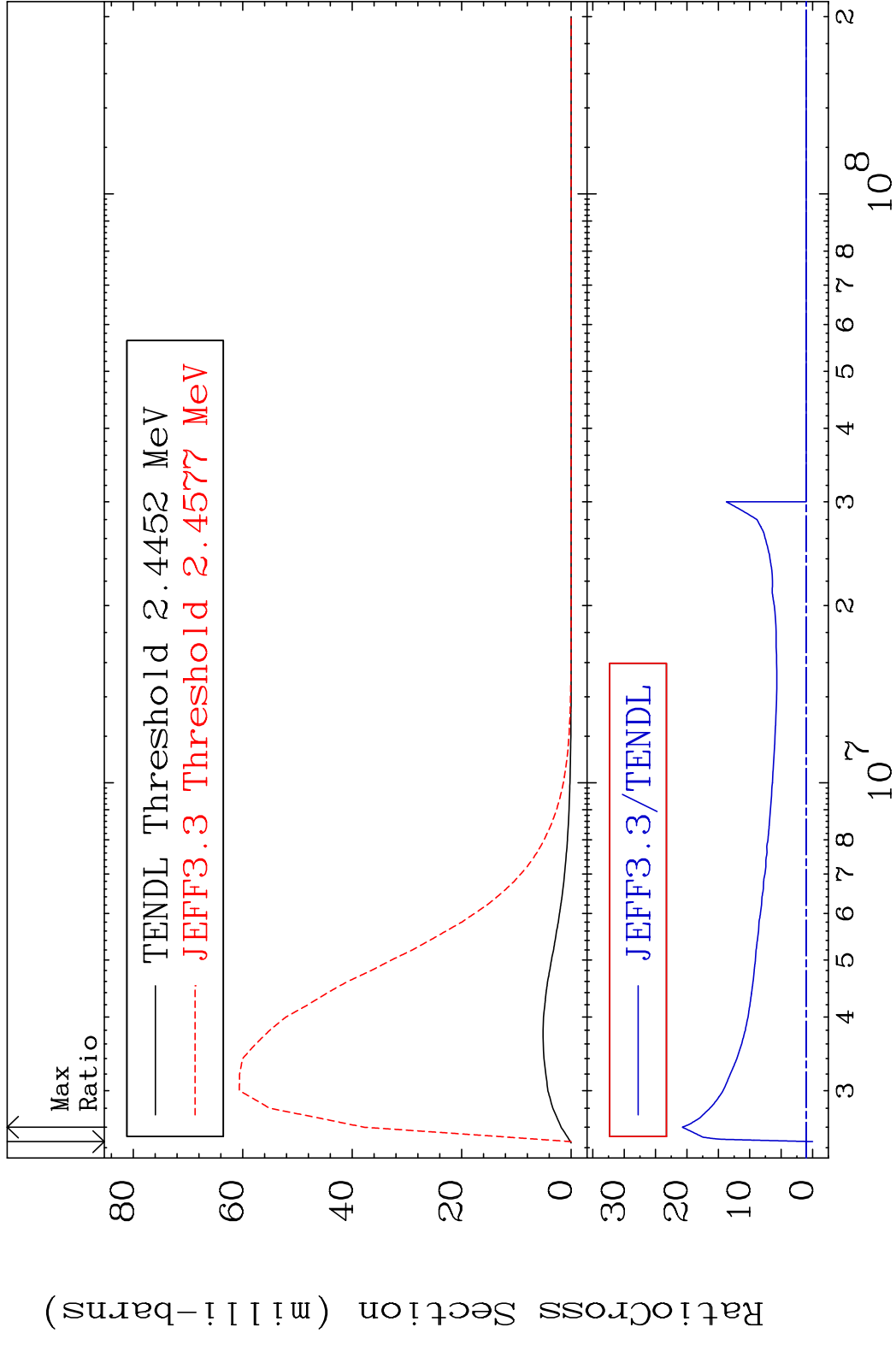
MAT 1928 MT= 60 (n, n') Level 19-K -40
 Cross Section -100.0 To 332.5 %



MAT 1928 MT= 61 (n, n') Level 19-K -40
 Cross Section -100.0 To 34.92 %

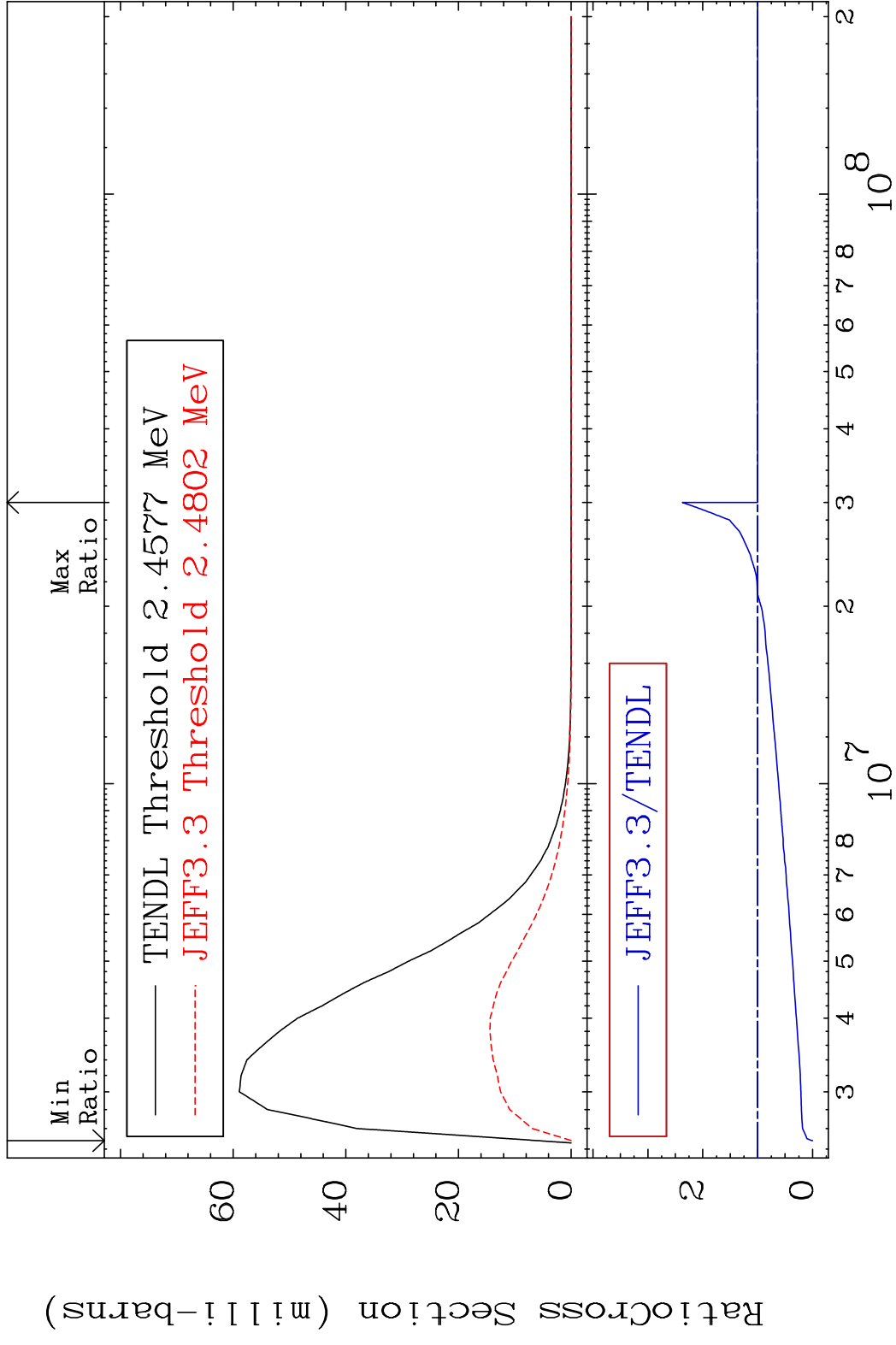


MAT 1928 MT= 62 (n, n') Level 19-K -40
 Cross Section -100.0 To 1973. %



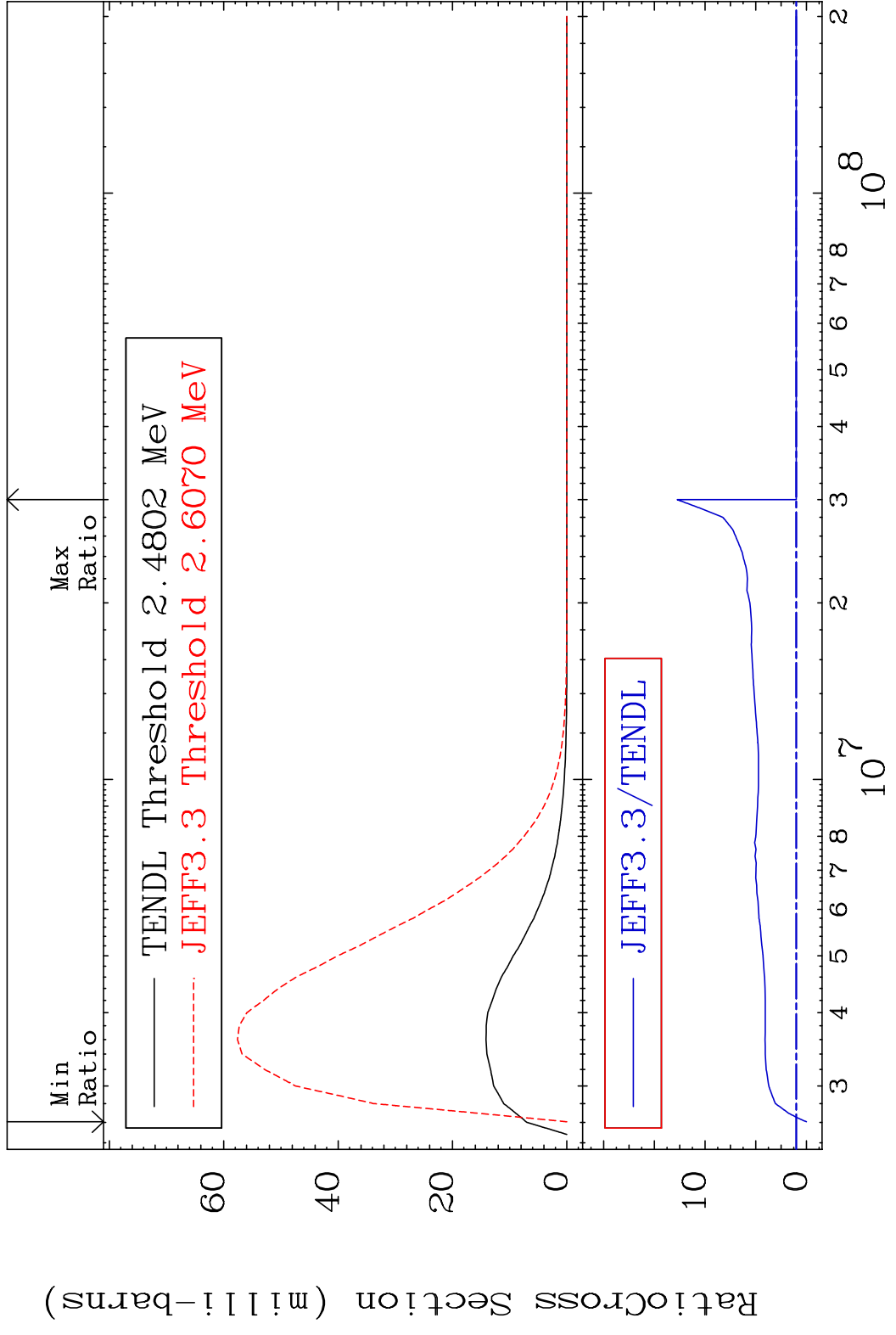
29 Incident Energy (eV) 19-K -40

MAT 1928 MT= 63 (n, n') Level 19-K -40
 Cross Section -100.0 To 137.2 %

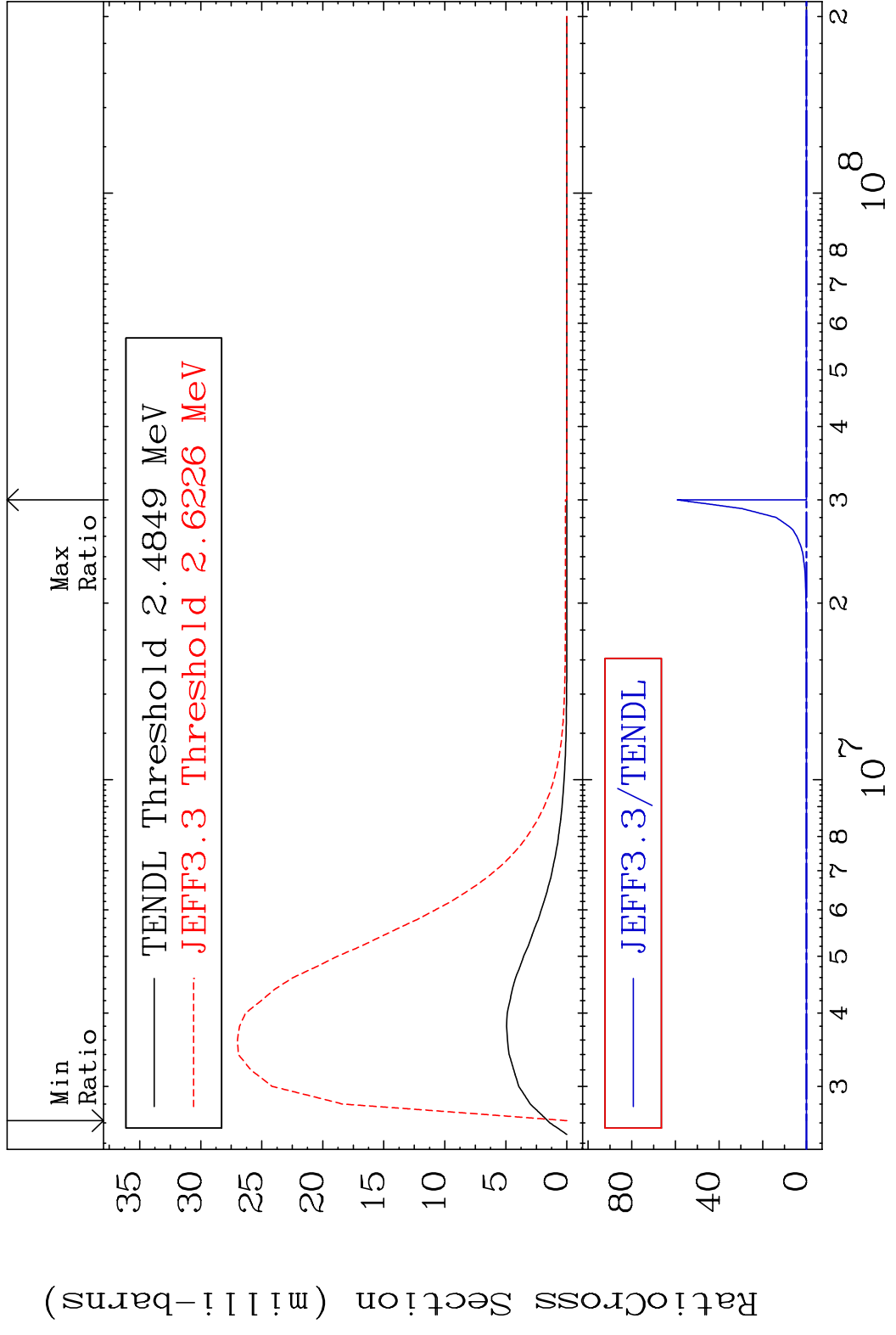


30 Incident Energy (eV) 19-K -40

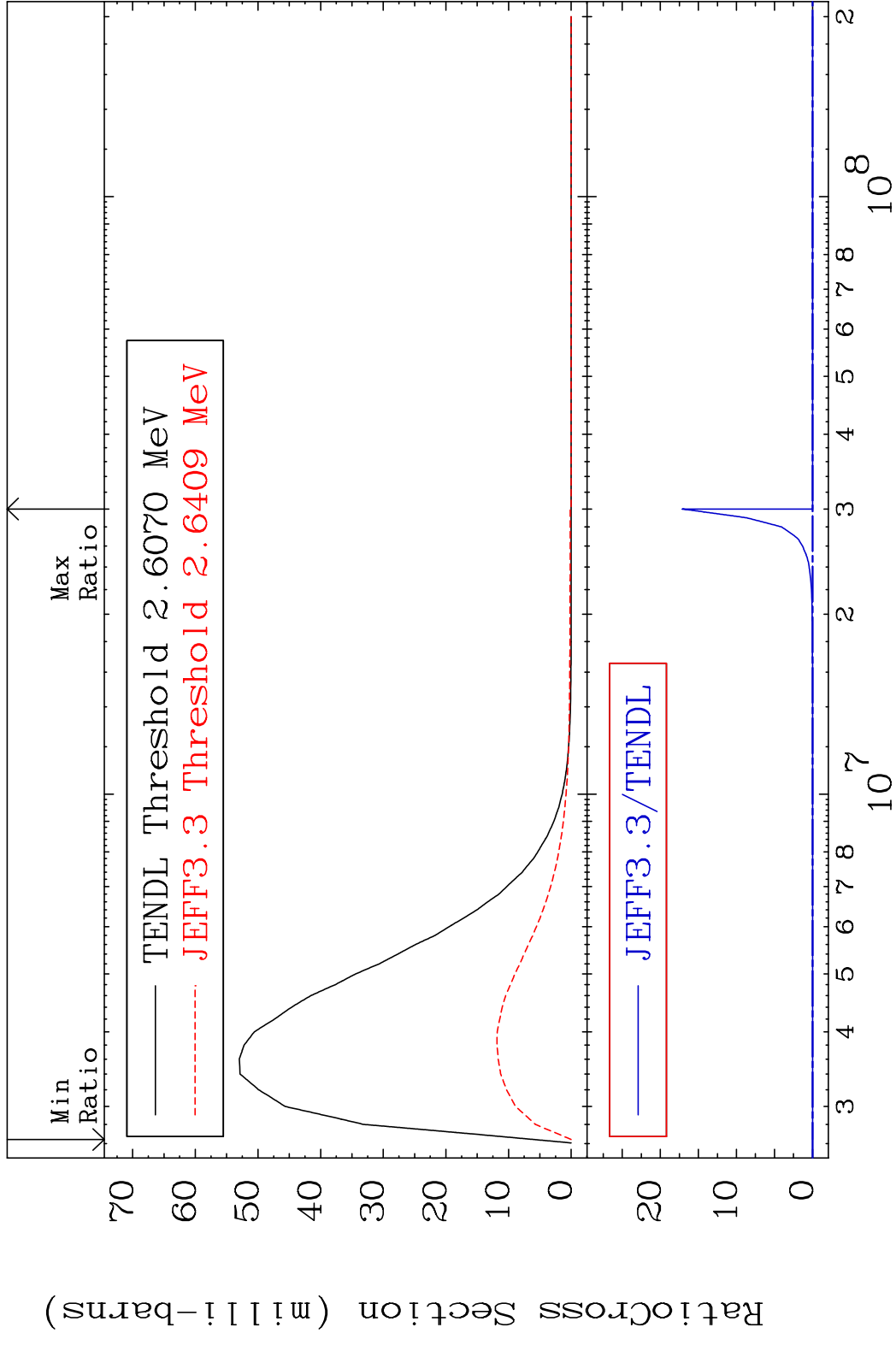
MAT 1928 MT= 64 (n, n') Level 19-K -40
 Cross Section -100.0 To 1175. %



MAT 1928 MT= 65 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %

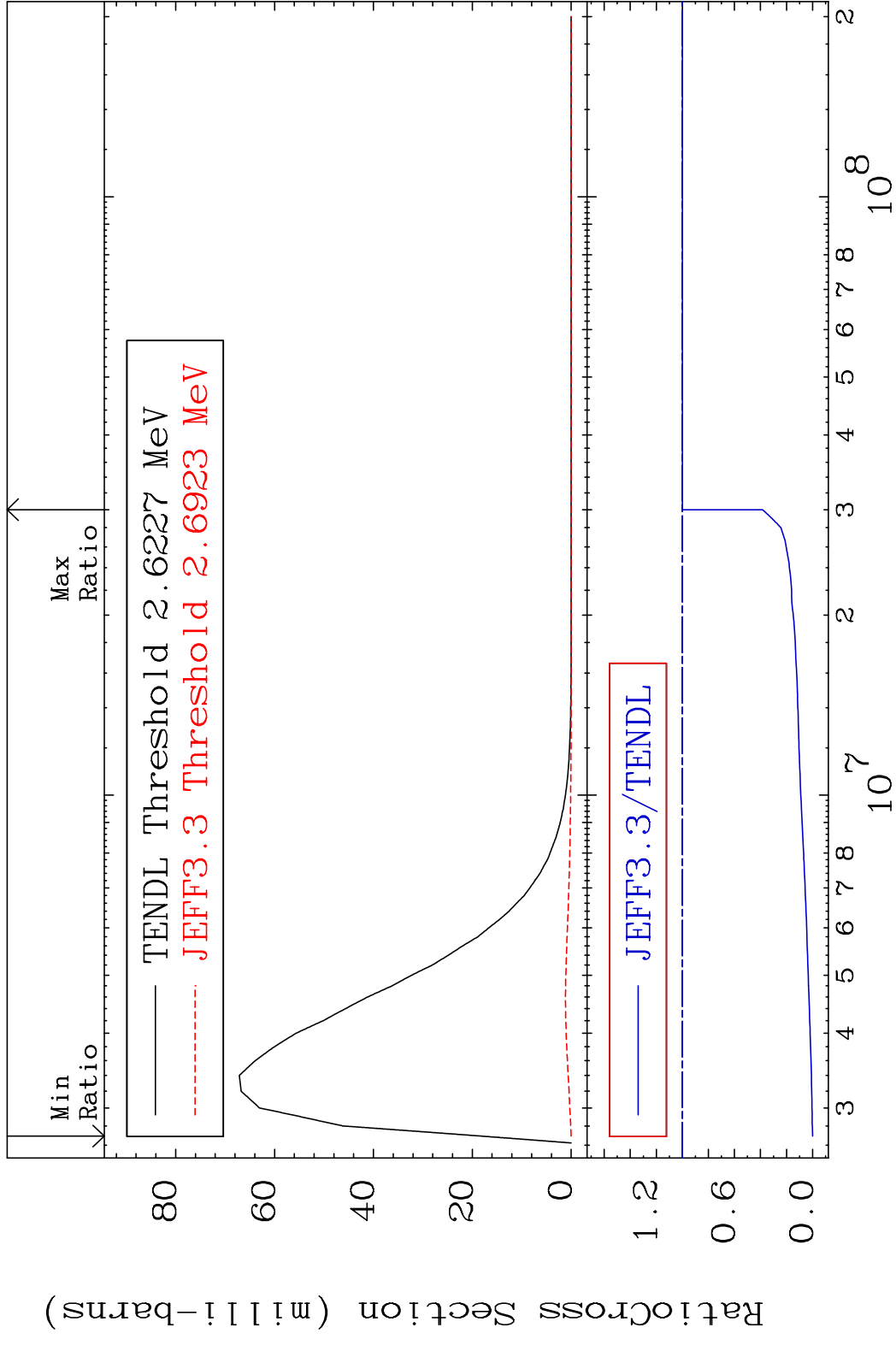


MAT 1928 MT= 66 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %



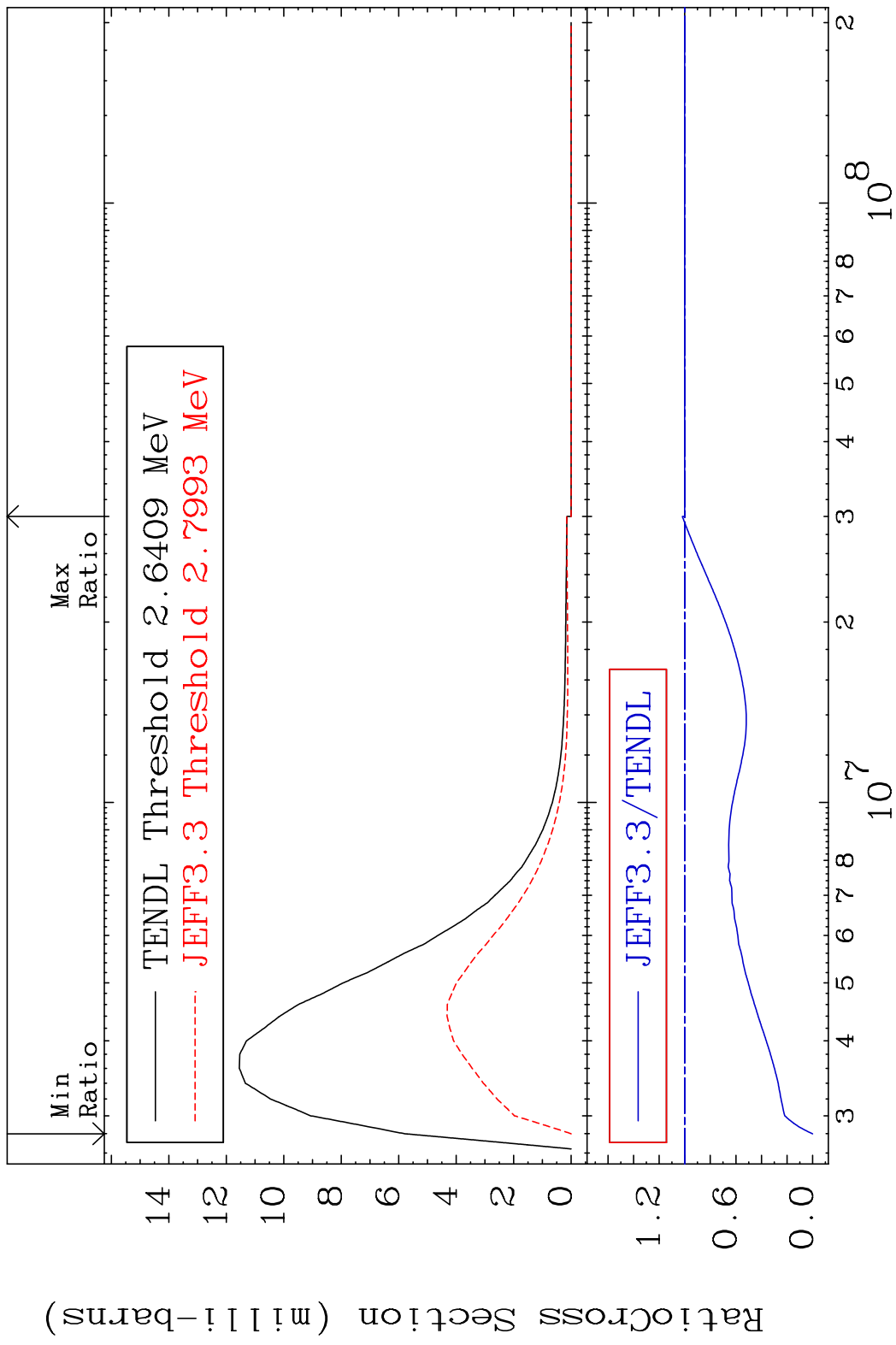
33 Incident Energy (eV) 19-K -40

MAT 1928 MT= 67 (n, n') Level 19-K -40
 Cross Section -100.0 To 0.000 %

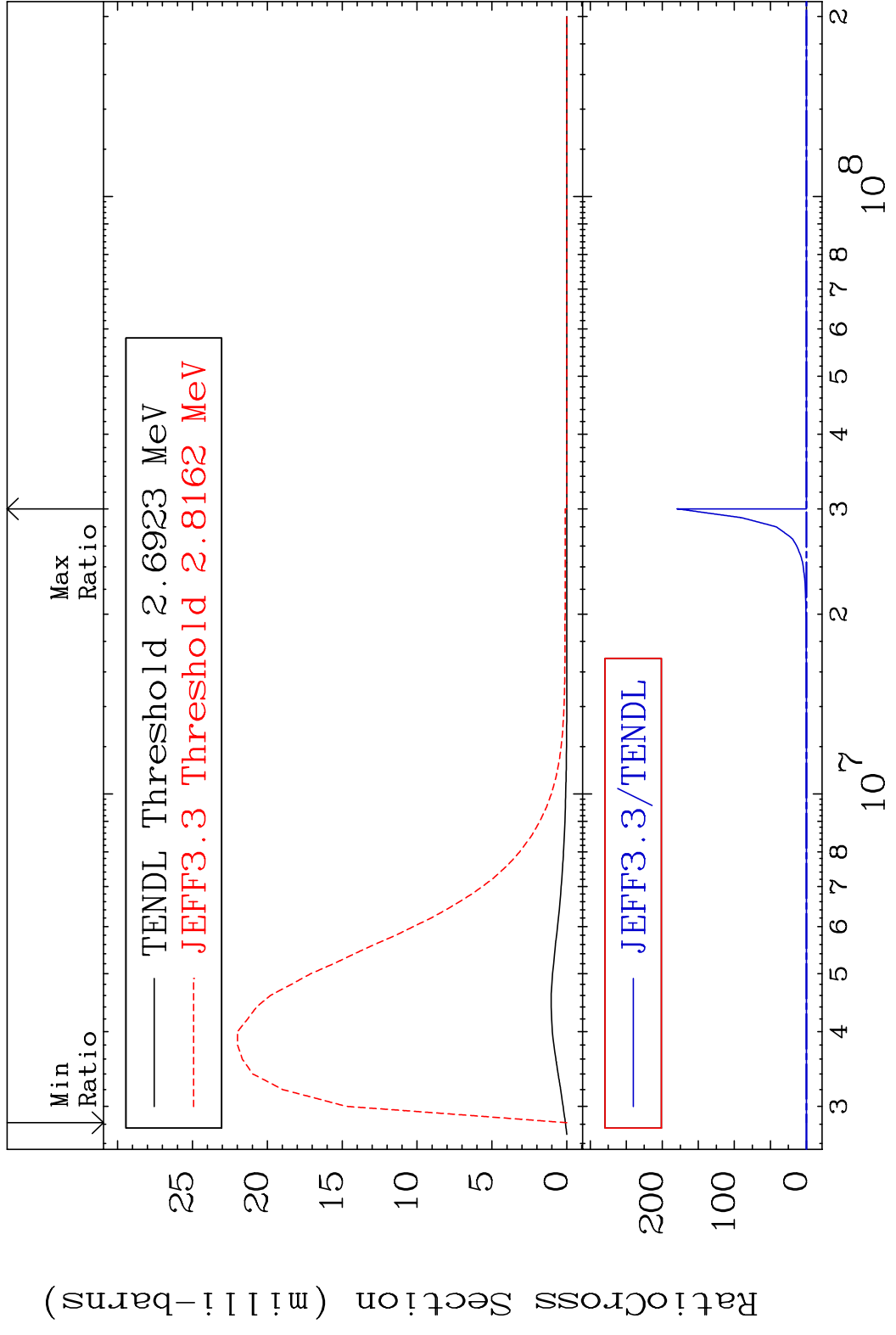


34 Incident Energy (eV) 19-K -40

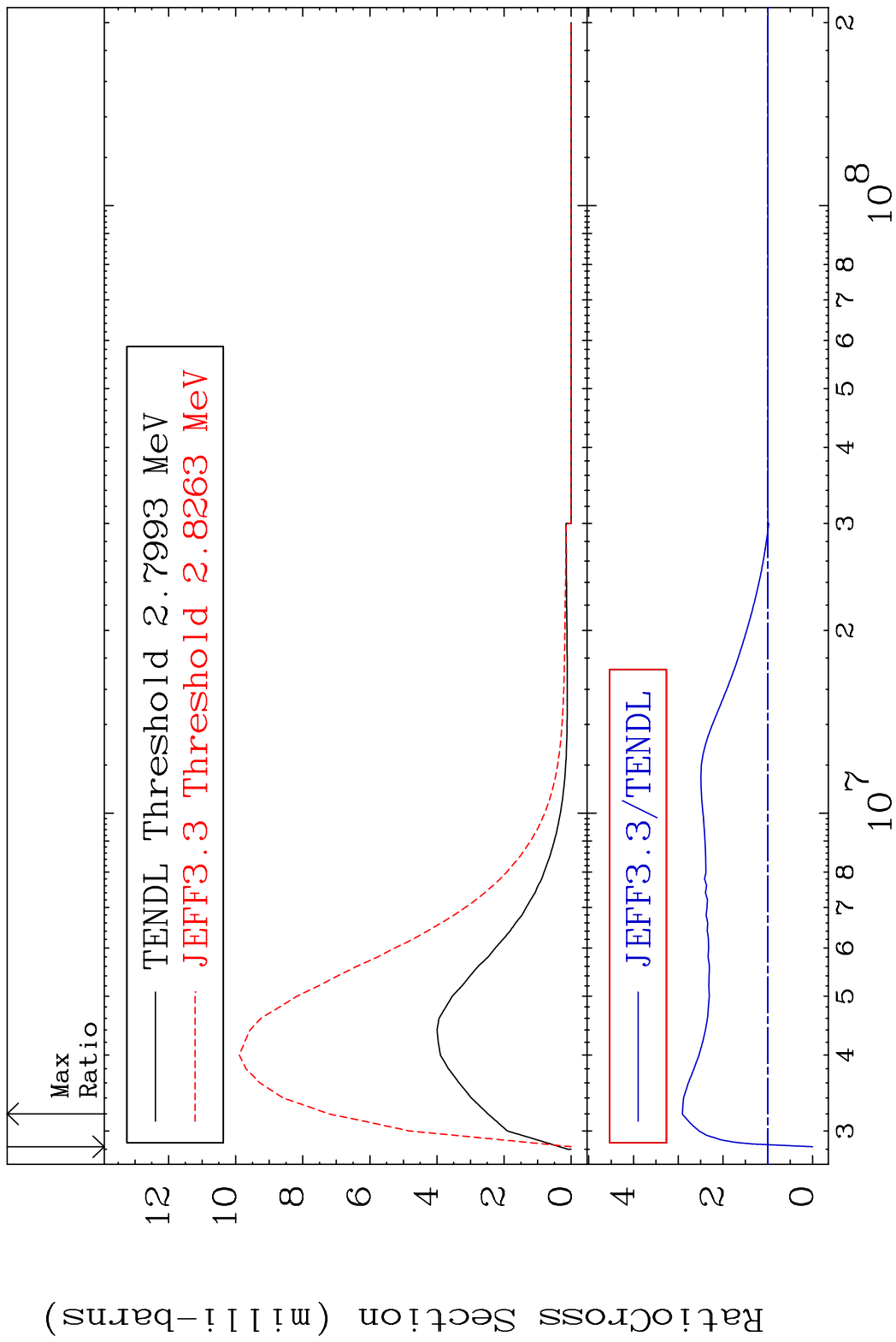
MAT 1928 MT= 68 (n, n') Level 19-K -40
 Cross Section -100.0 To 1.872 %



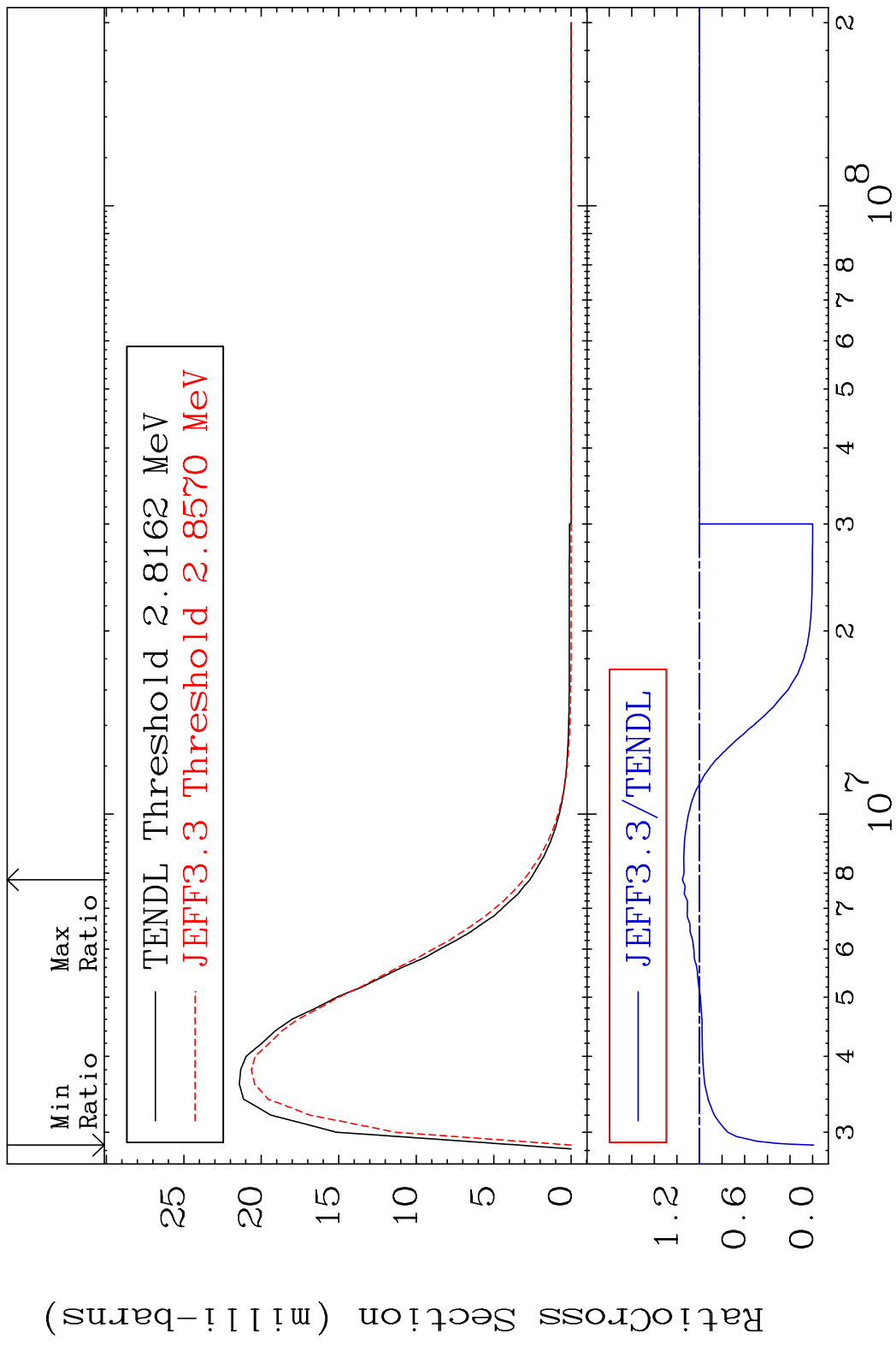
MAT 1928 MT= 69 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %



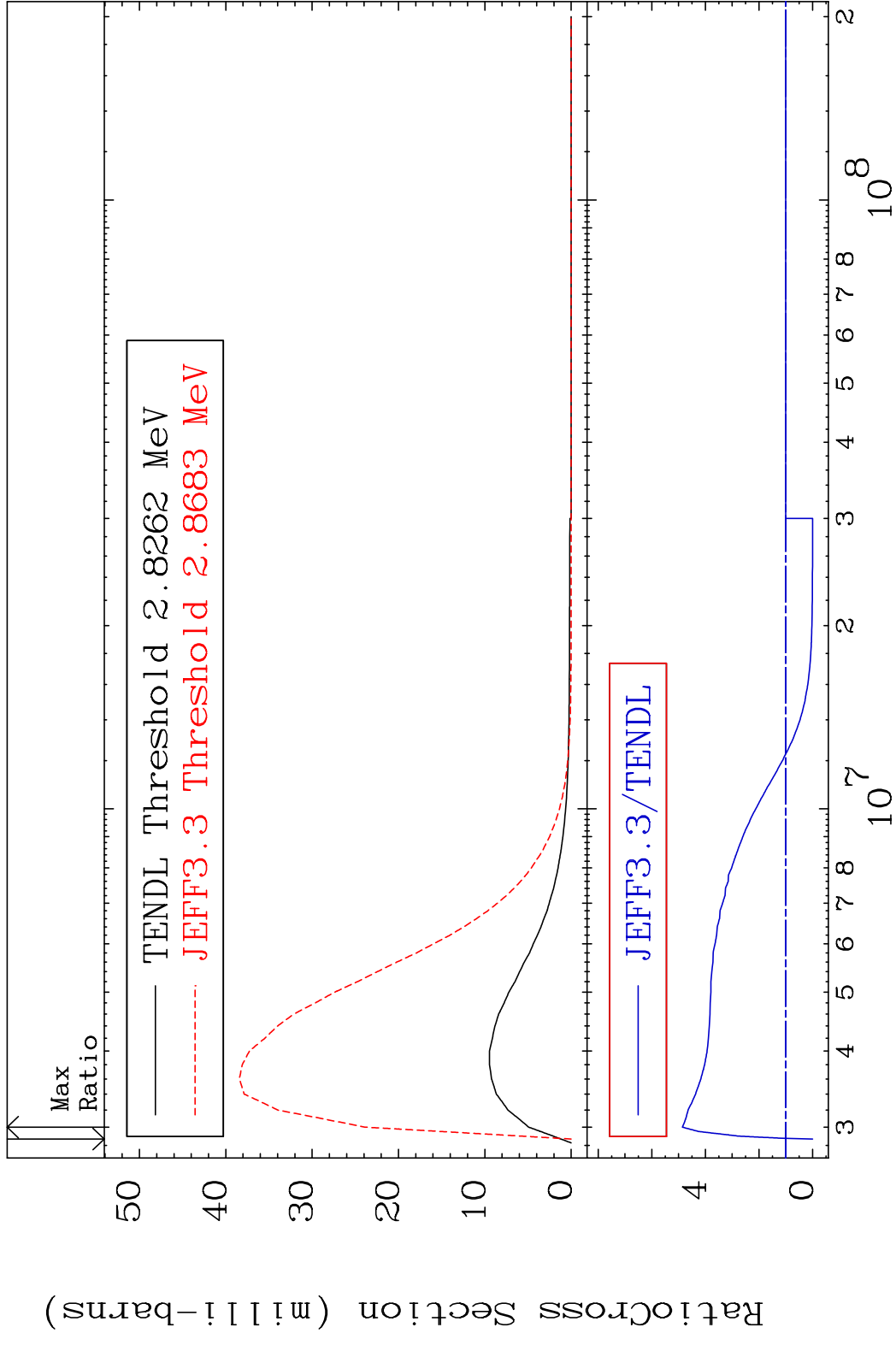
MAT 1928 MT= 70 (n, n') Level 19-K -40
 Cross Section -100.0 To 190.9 %



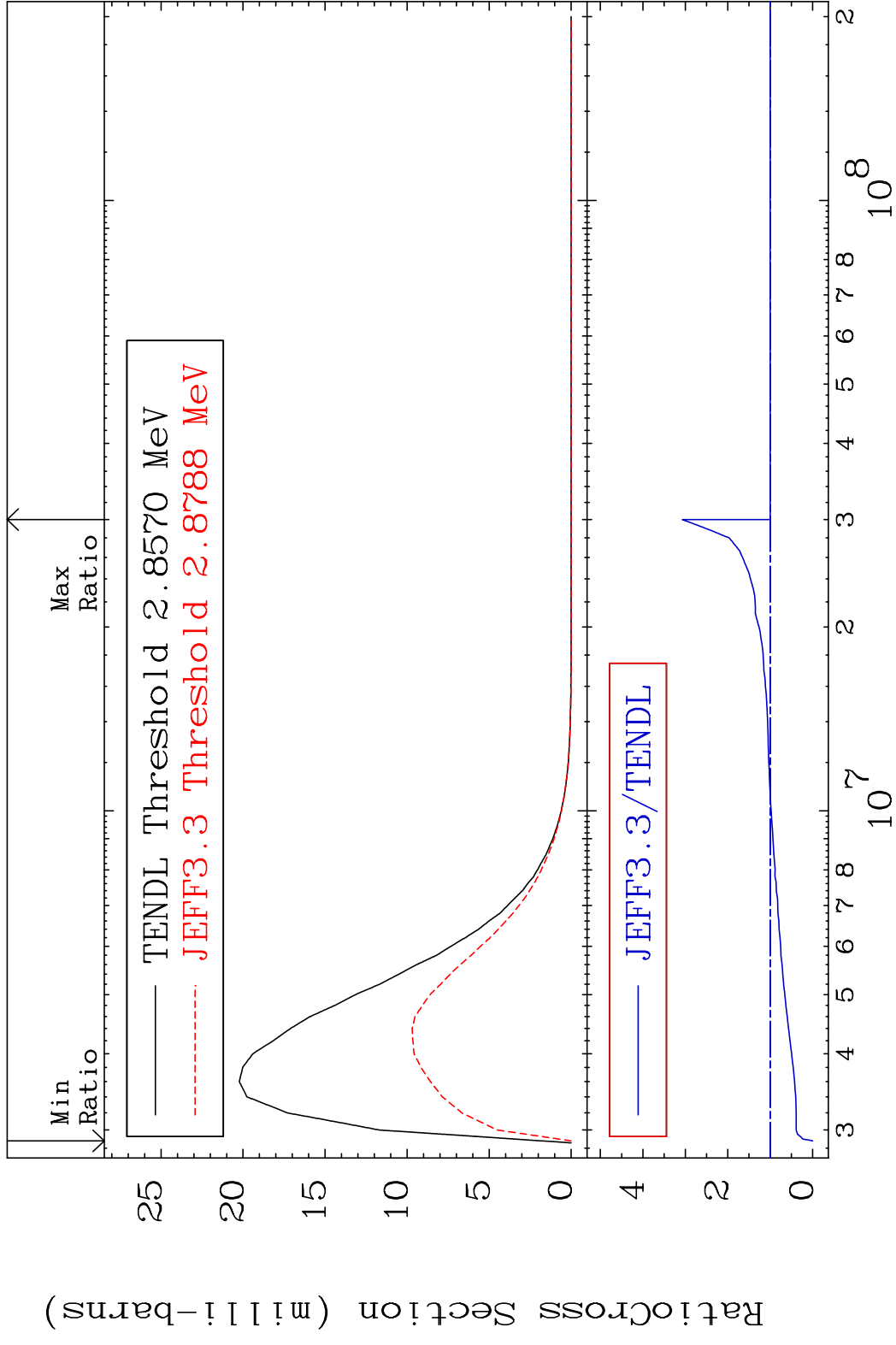
MAT 1928 MT= 71 (n, n') Level 19-K -40
 Cross Section -100.0 To 15.22 %



MAT 1928 MT= 72 (n, n') Level 19-K -40
 Cross Section -100.0 To 385.9 %

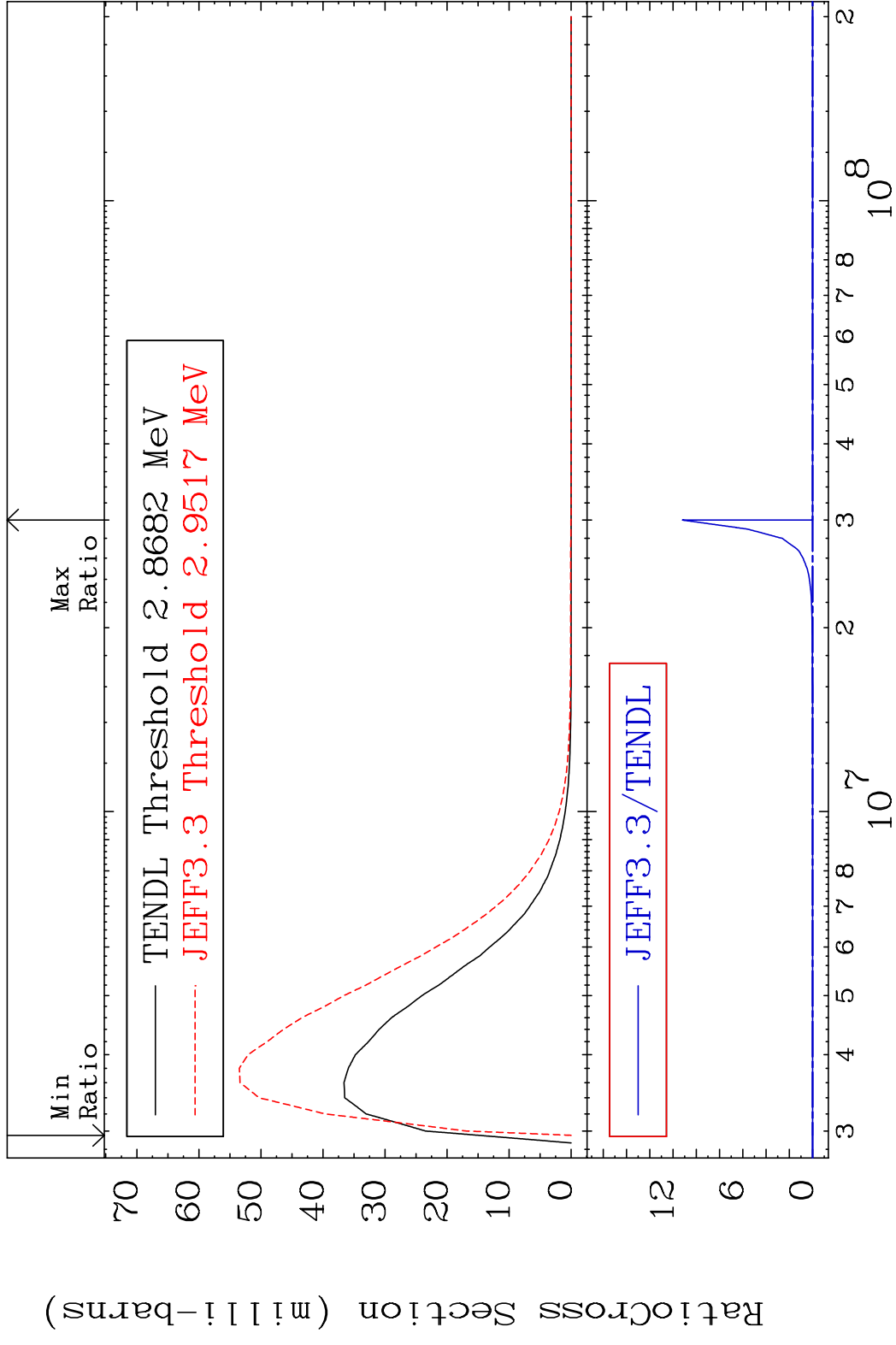


MAT 1928 MT= 73 (n, n') Level 19-K -40
 Cross Section -100.0 To 206.9 %

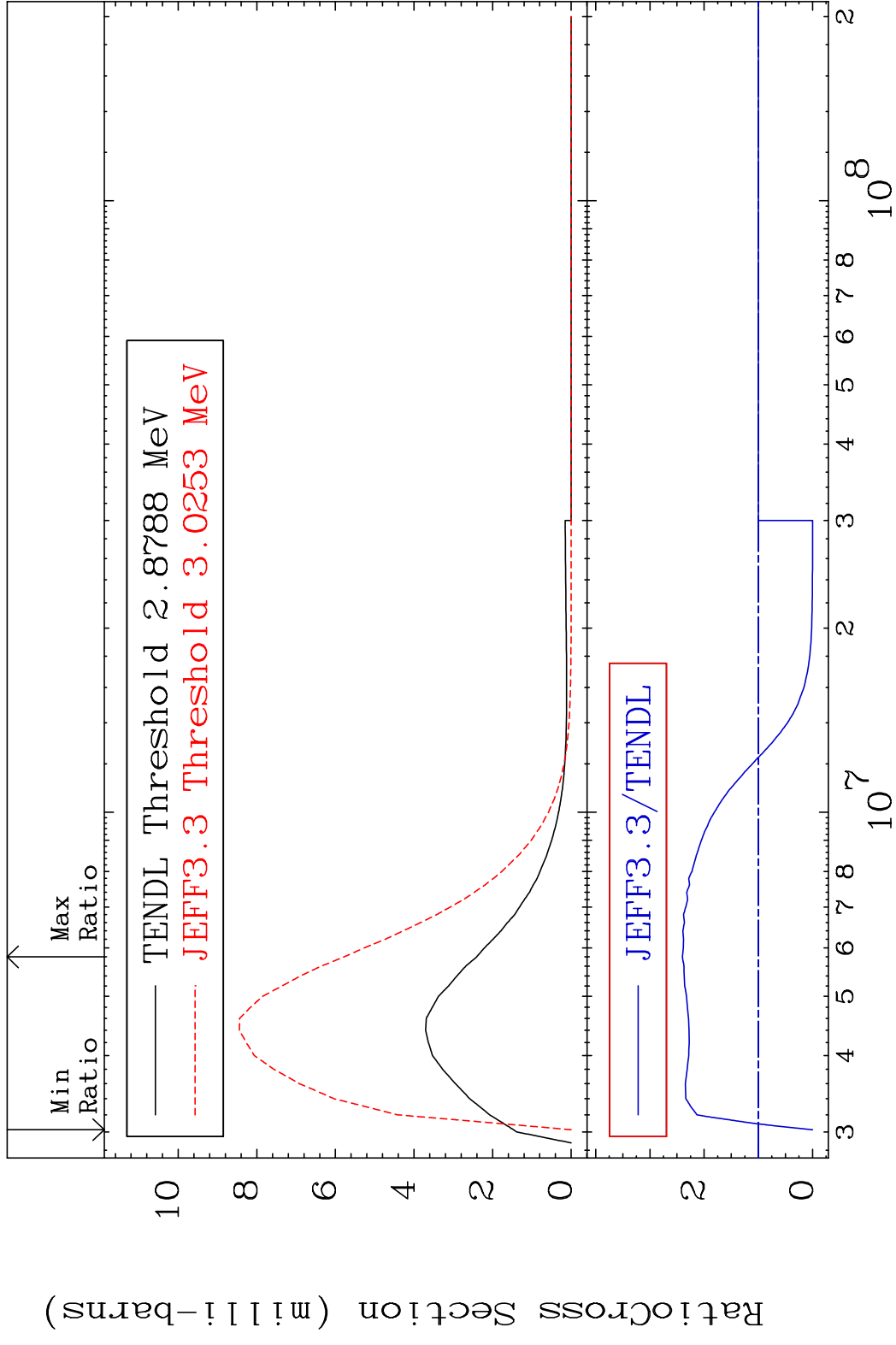


40 19-K -40

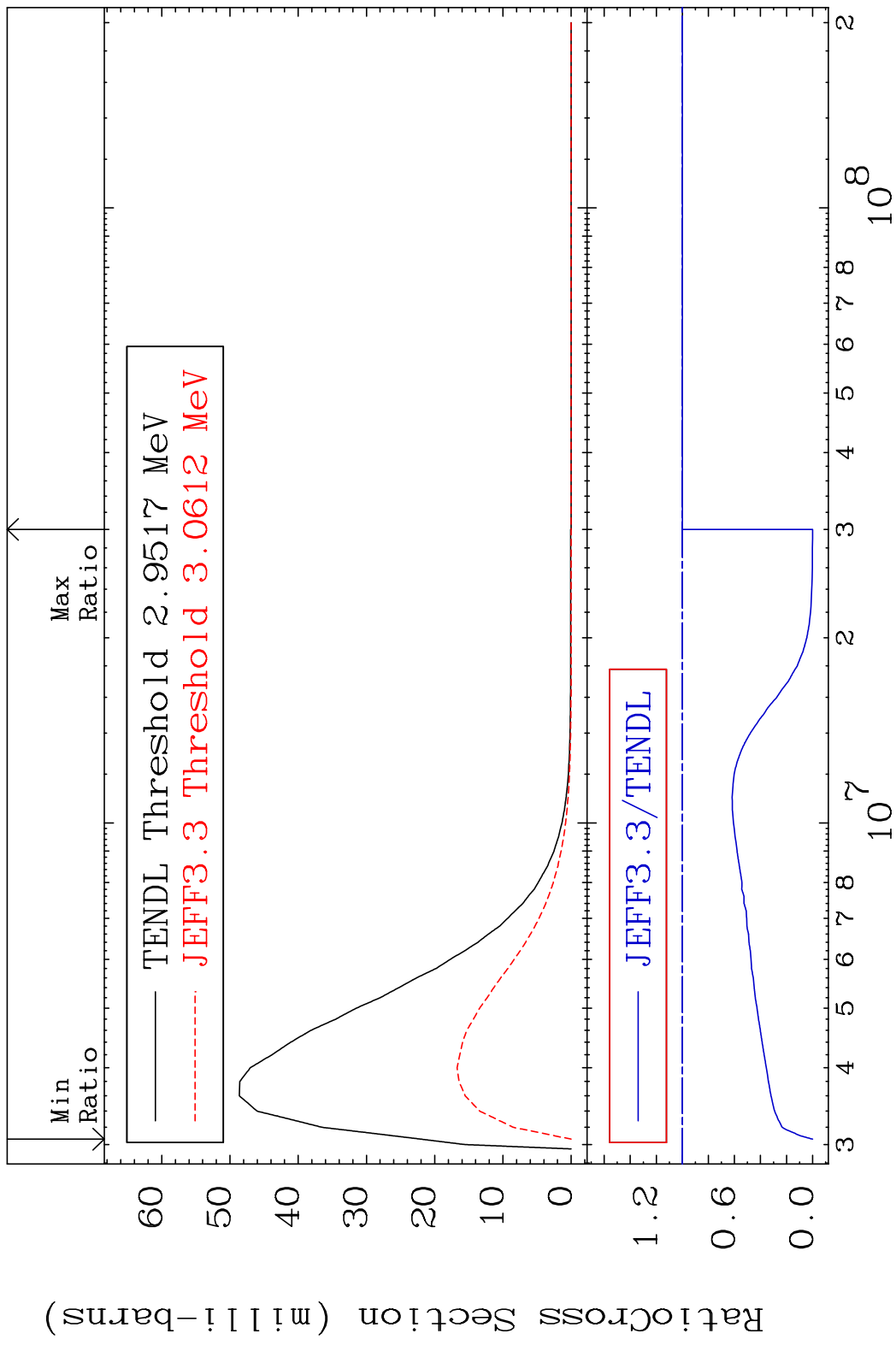
MAT 1928 MT= 74 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %



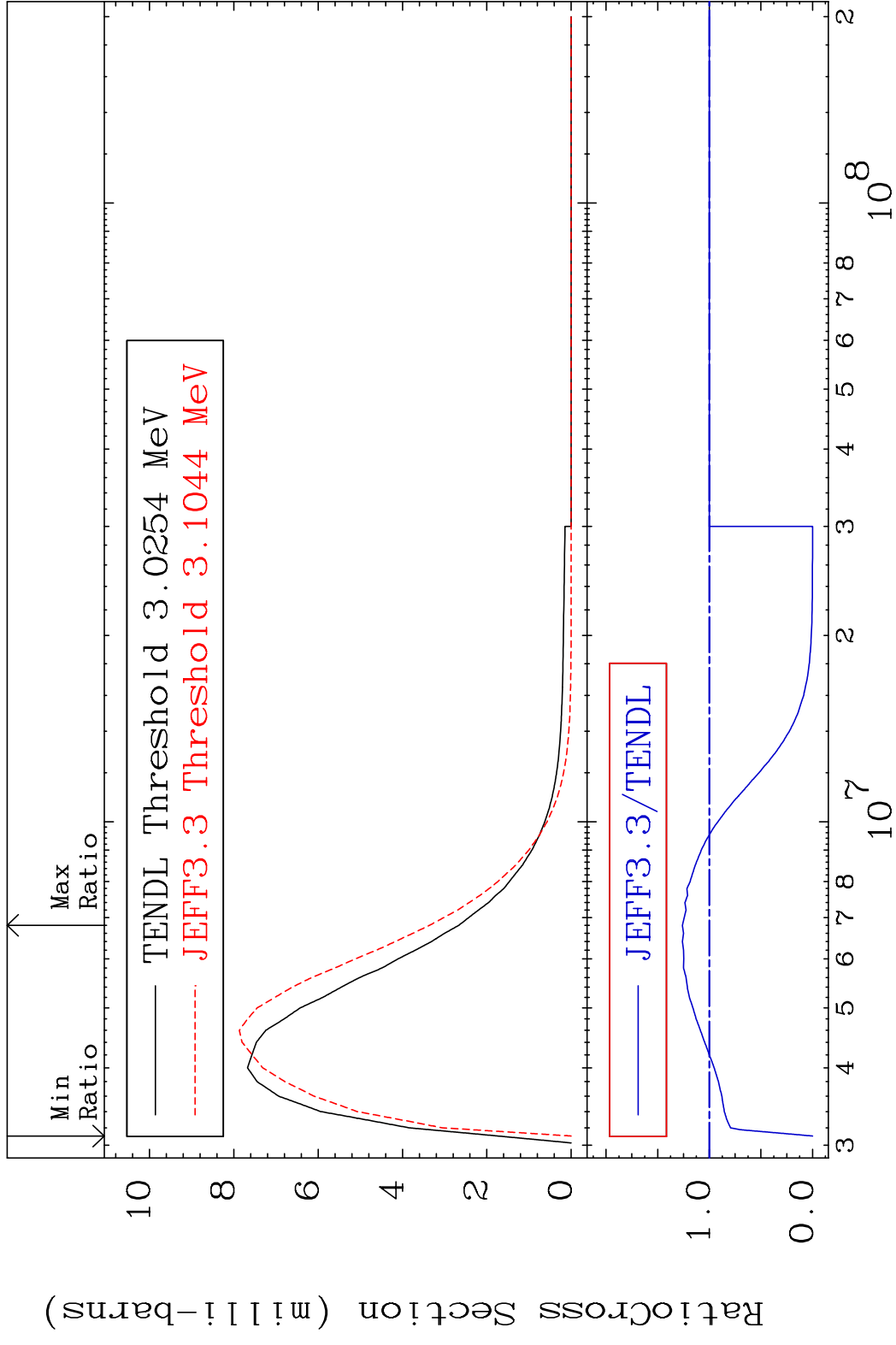
MAT 1928 MT= 75 (n,n') Level 19-K -40
 Cross Section -100.0 To 140.2 %



MAT 1928 MT= 76 (n, n') Level 19-K -40
 Cross Section -100.0 To 0.000 %

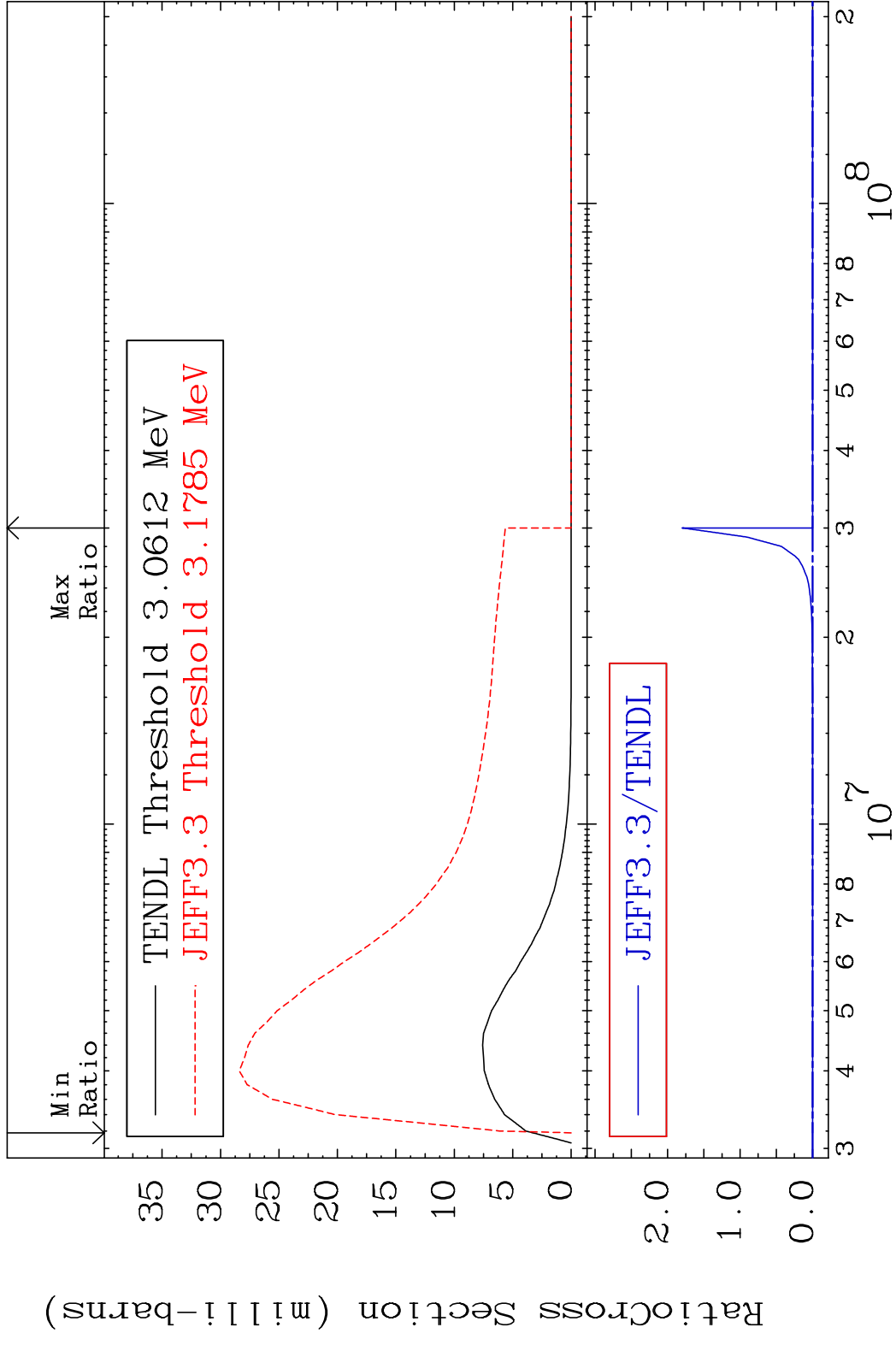


MAT 1928 MT= 77 (n,n') Level 19-K -40
 Cross Section -100.0 To 26.11 %

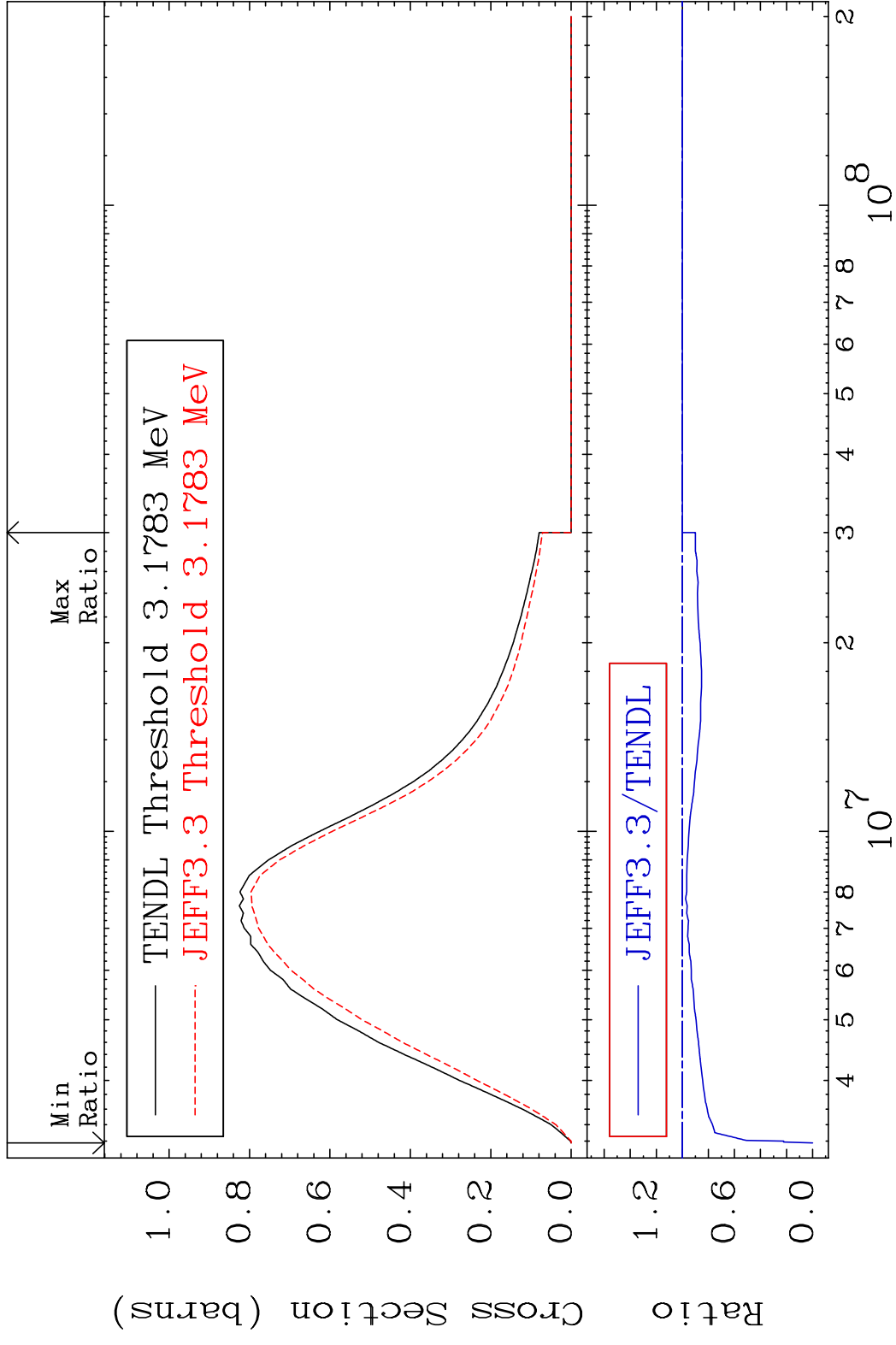


44 Incident Energy (eV) 19-K -40

MAT 1928 MT= 78 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %



MAT 1928 (n,n') Continuum 19-K -40
 Cross Section -100.0 To 0.000 %

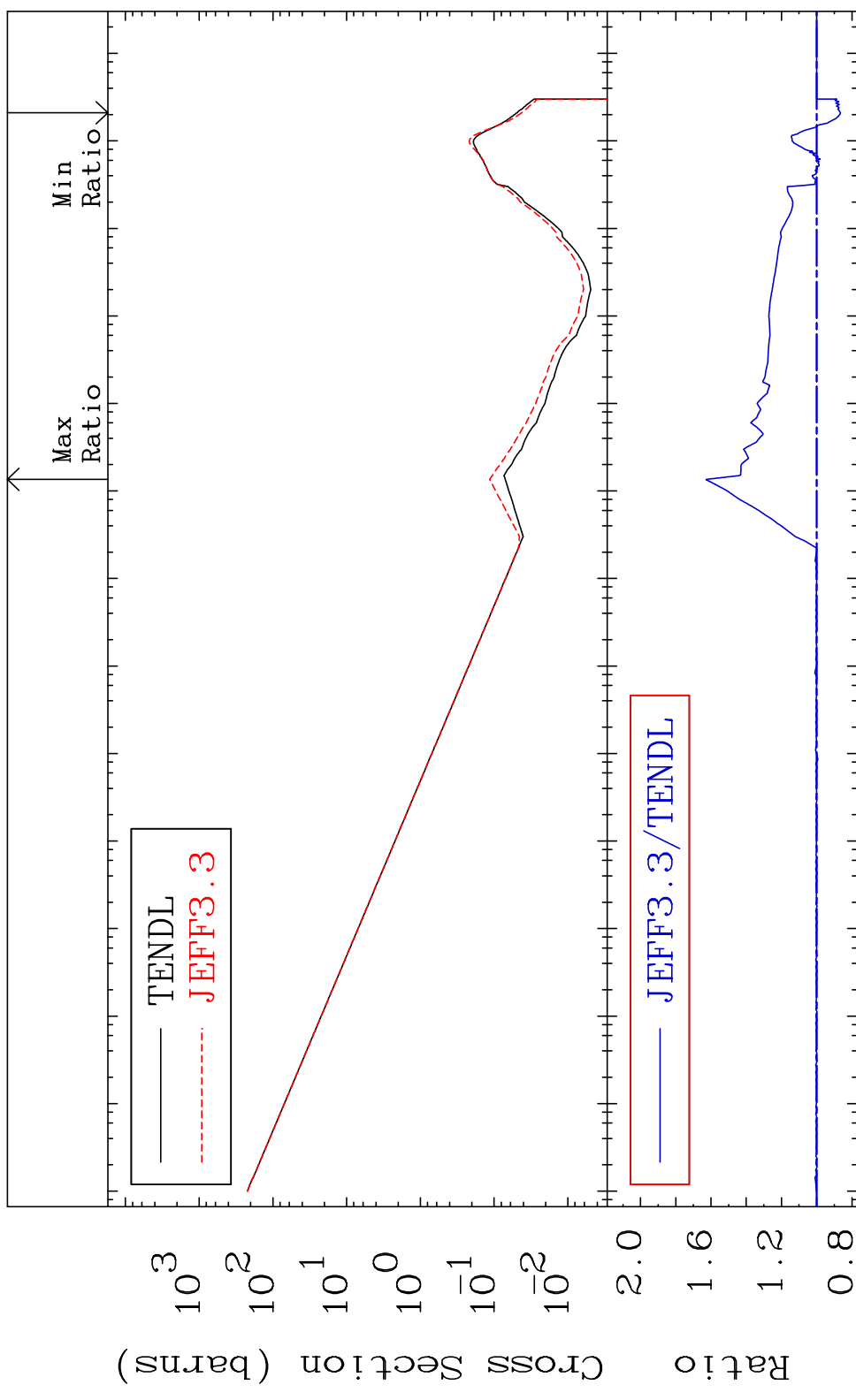


MAT 1928

(n, p)

19-K -40

Cross Section -13.48 To 62.98 %



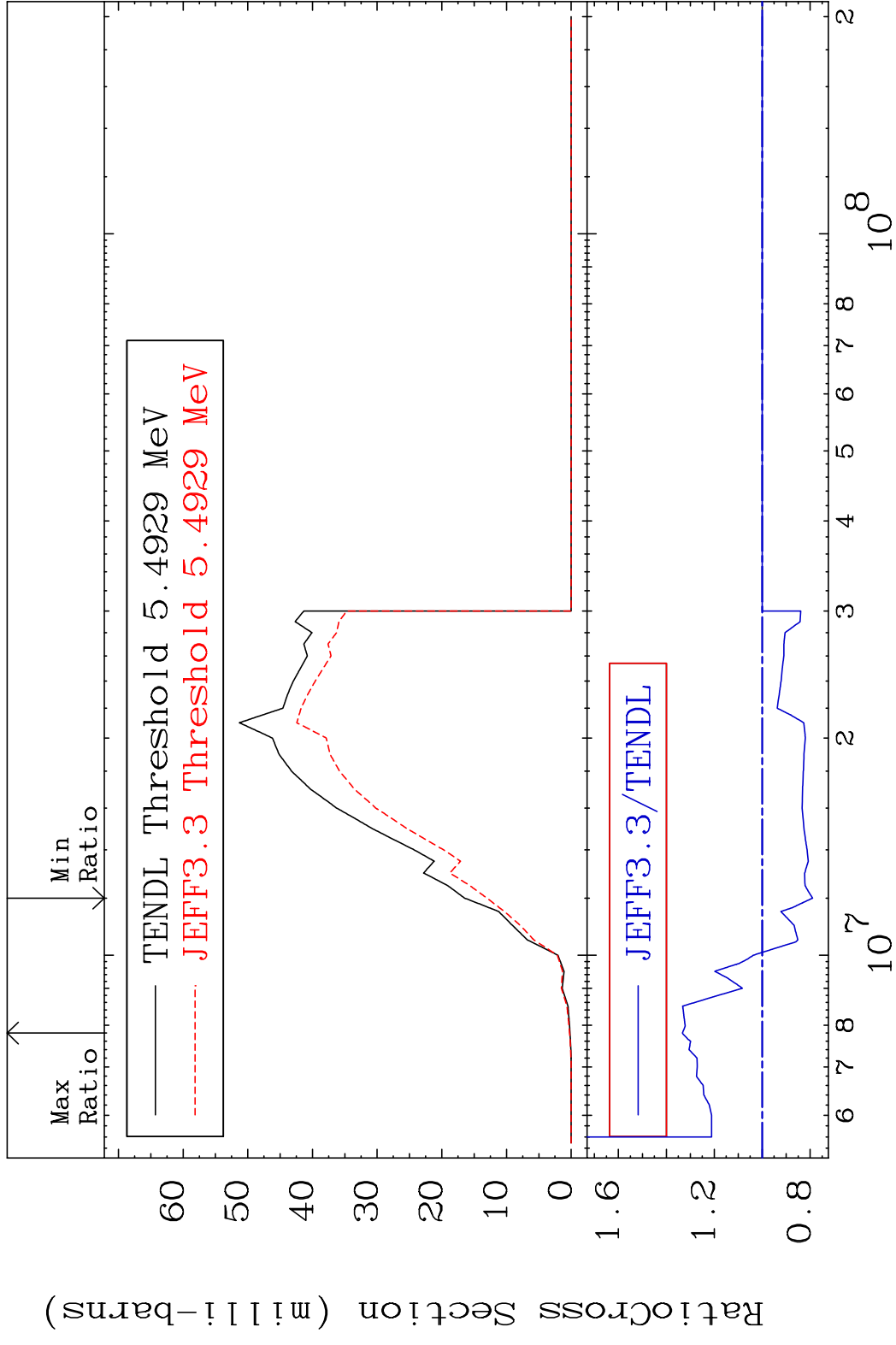
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

48

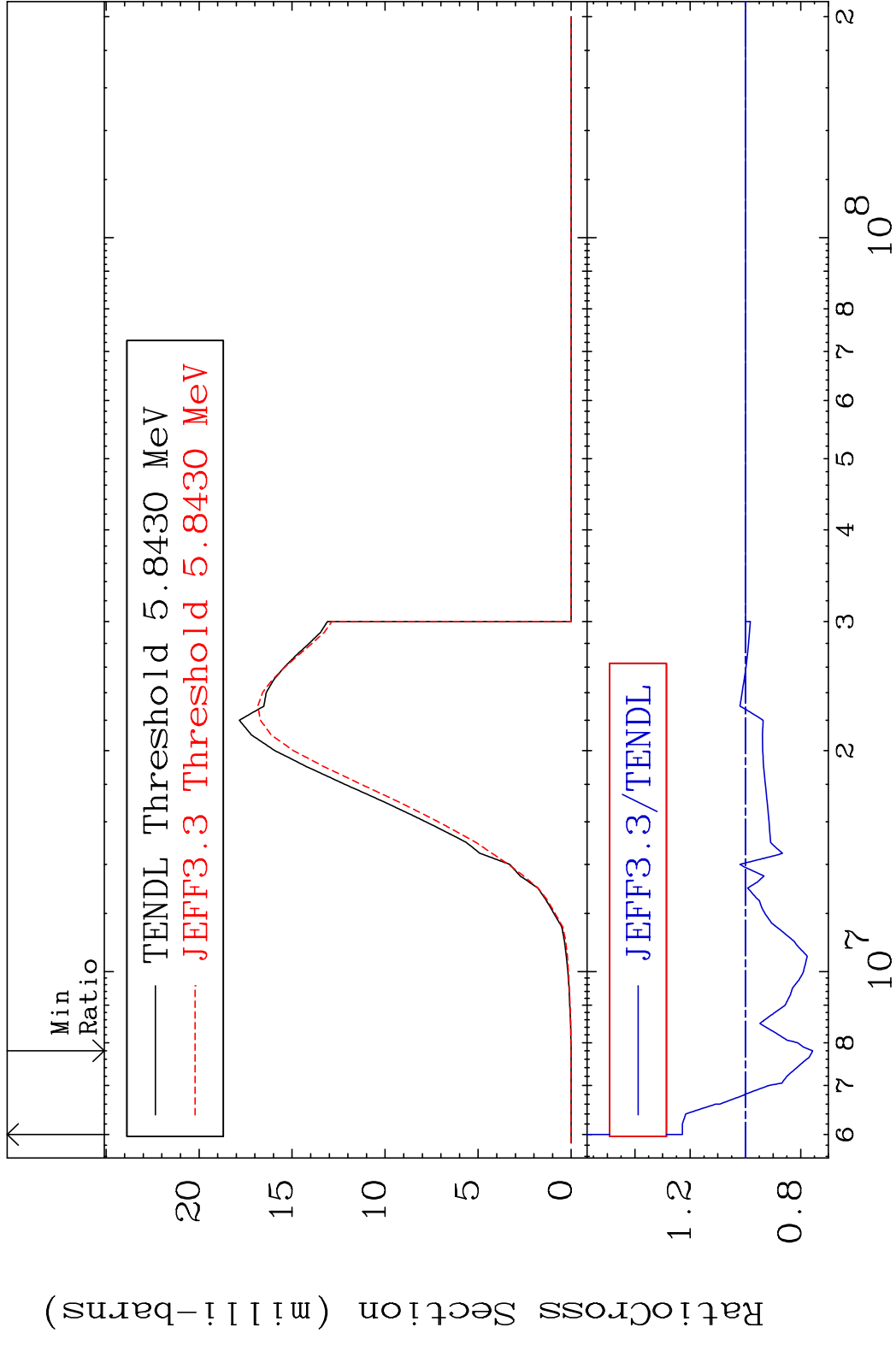
Incident Energy (eV)

19-K -40

MAT 1928 (n,d) 19-K -40
 Cross Section -21.01 To 33.32 %

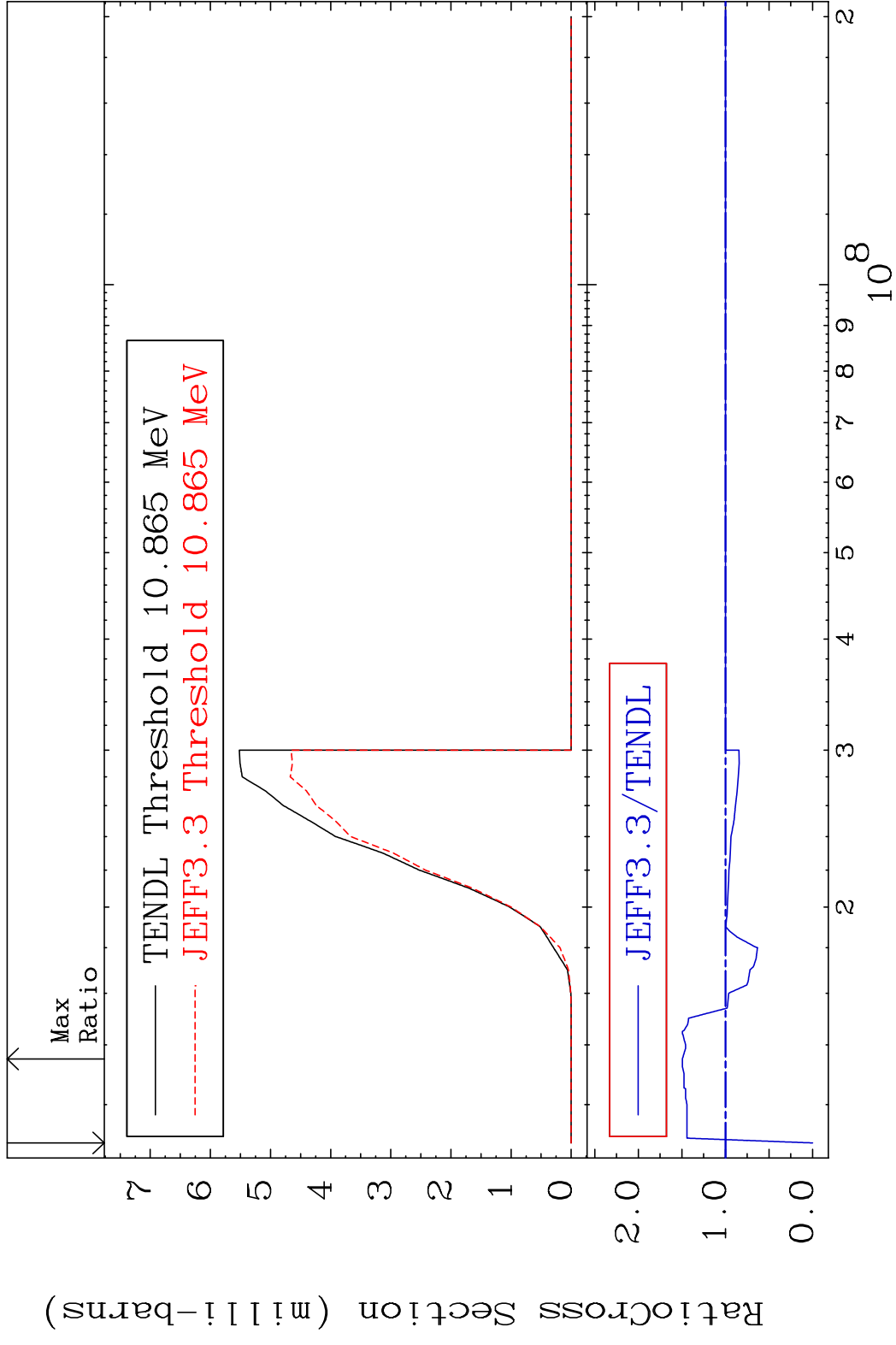


MAT 1928 (n, t) 19-K -40
 Cross Section -24.28 To 22.84 %



50 19-K -40

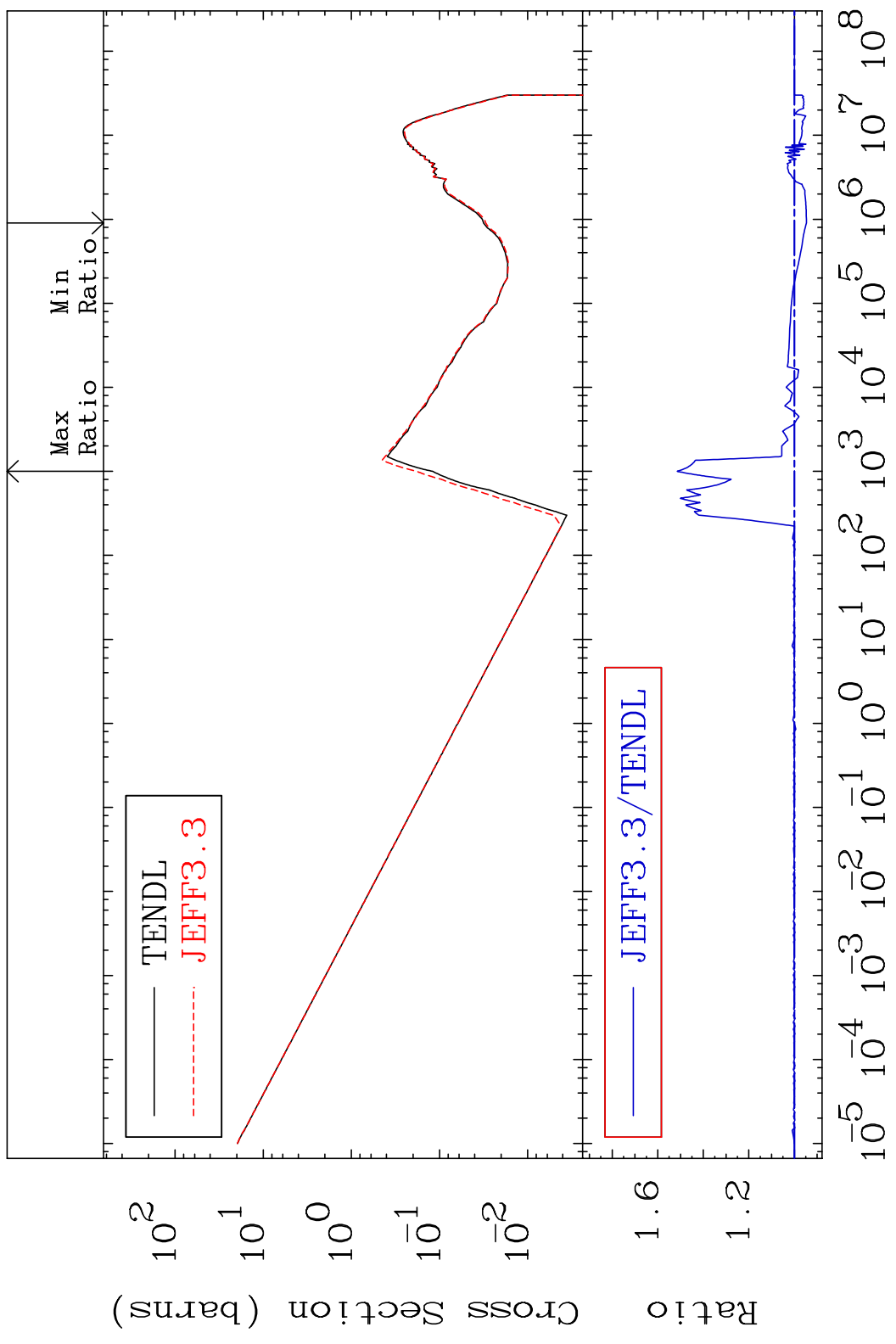
MAT 1928 (n, He-3) 19-K -40
 Cross Section -100.0 To 49.45 %



MAT 1928

(n, α)

Cross Section 19-K -40
 -5.270 To 51.46 %



52

Incident Energy (eV)

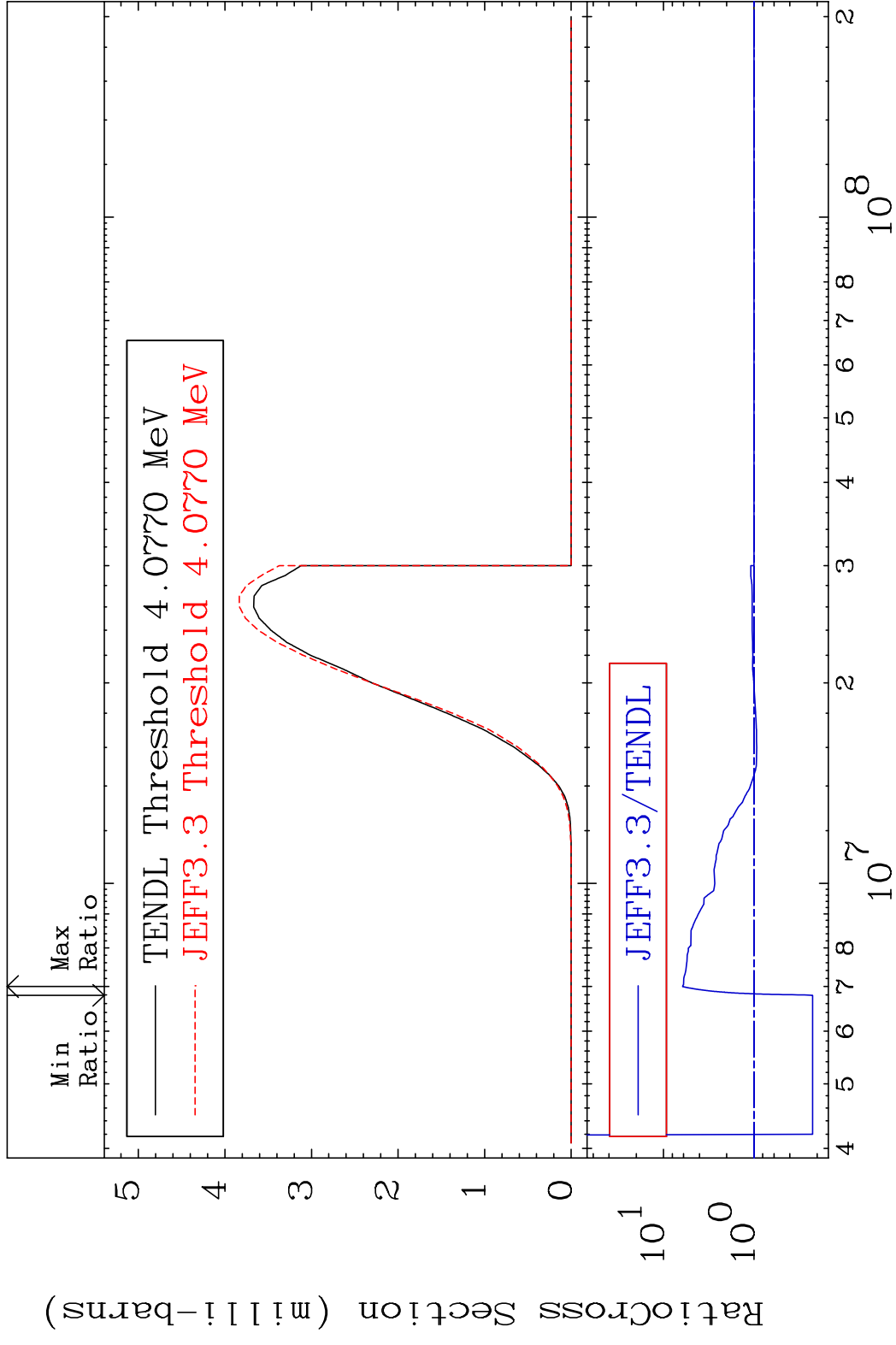
19-K -40

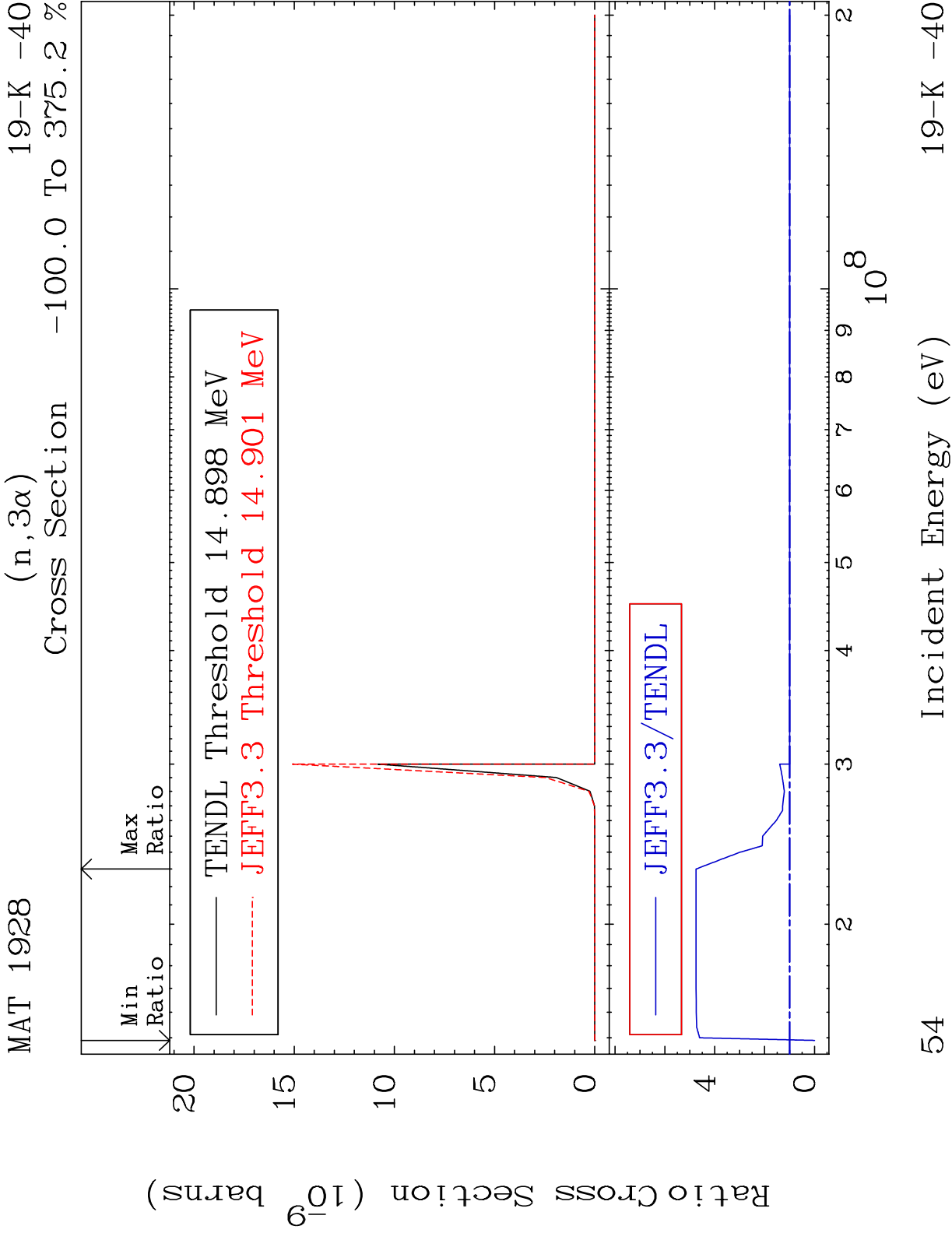
MAT 1928

(n,2α)

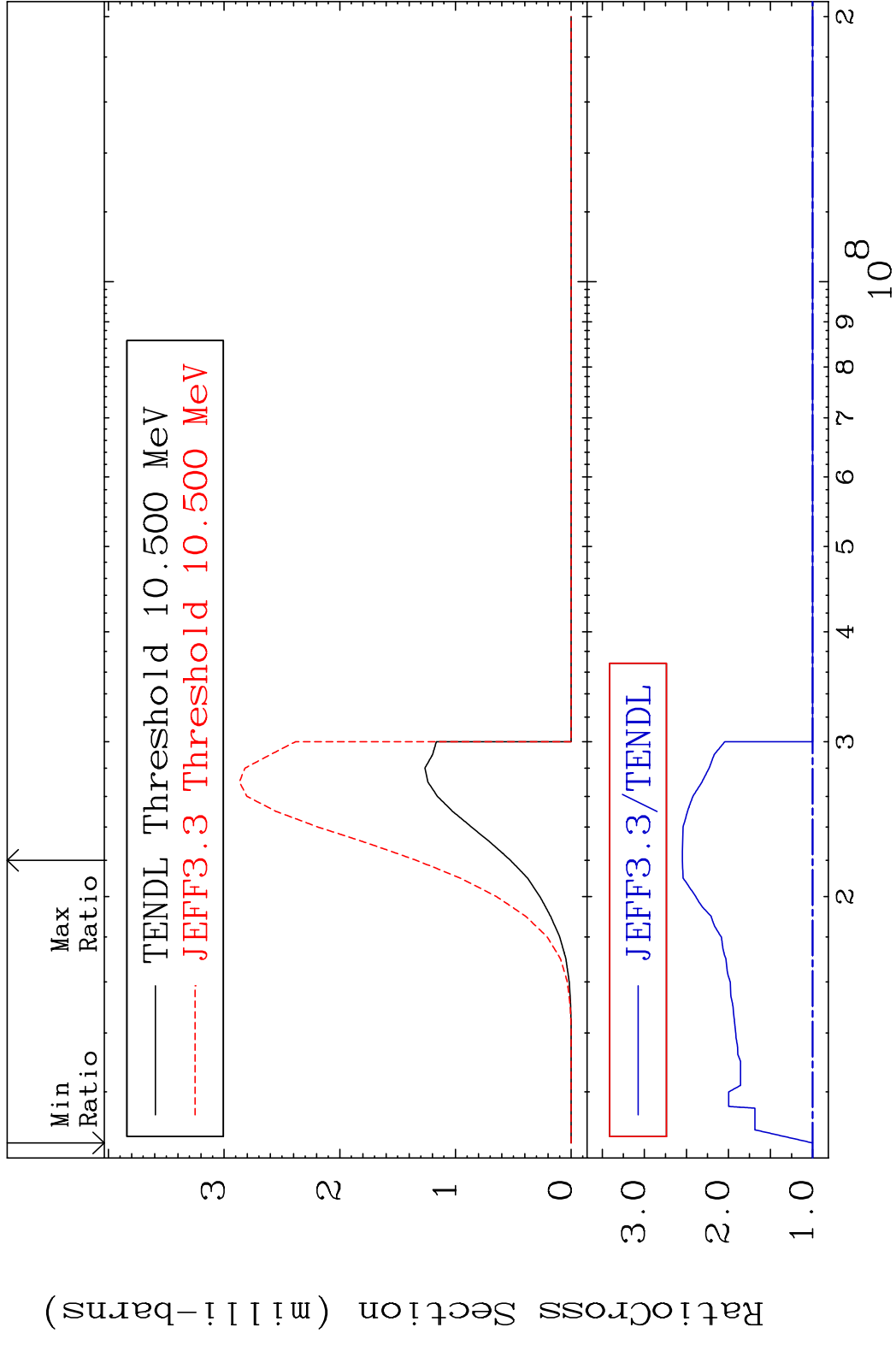
19-K -40

Cross Section -77.55 To 518.5 %

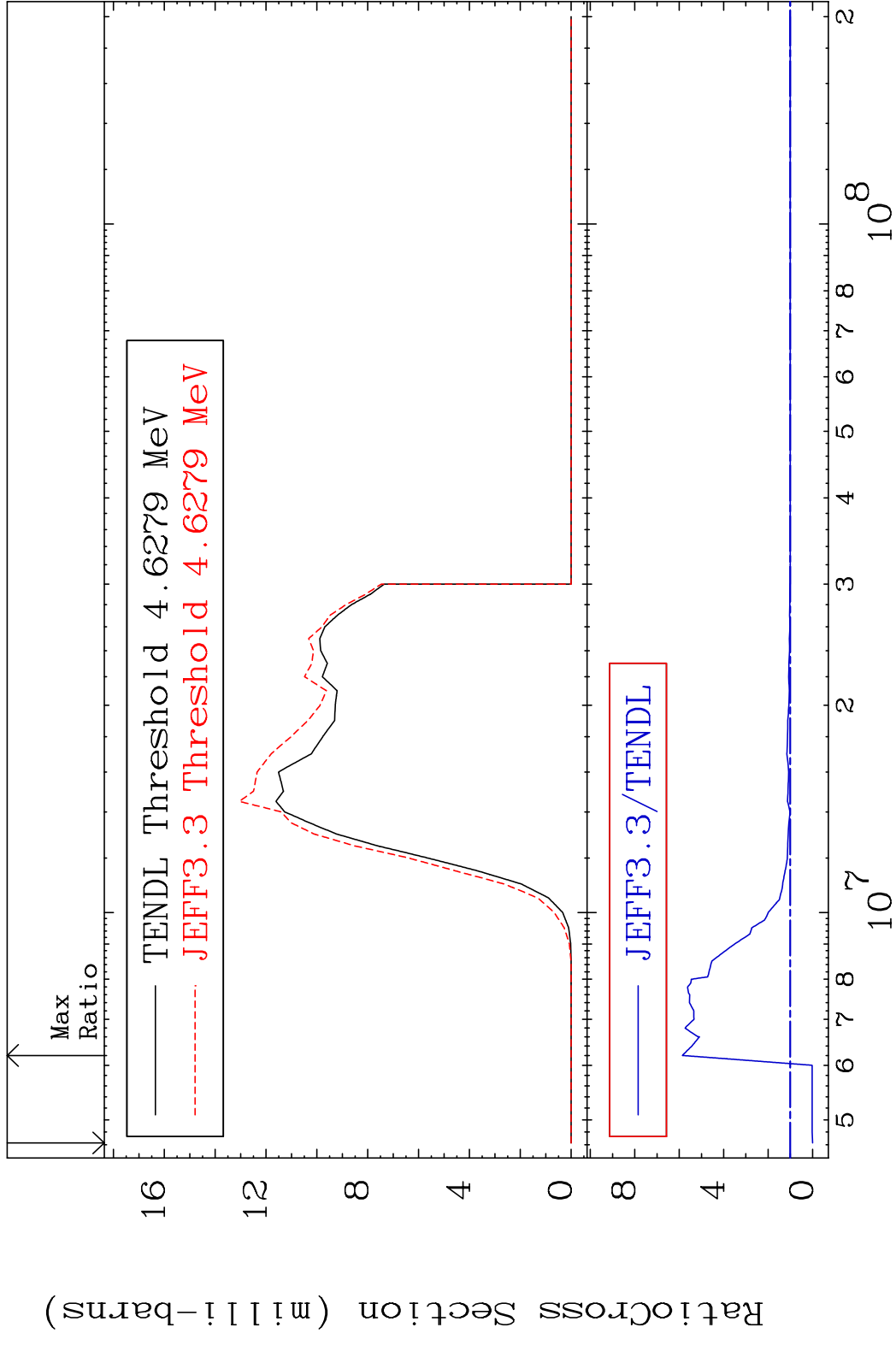




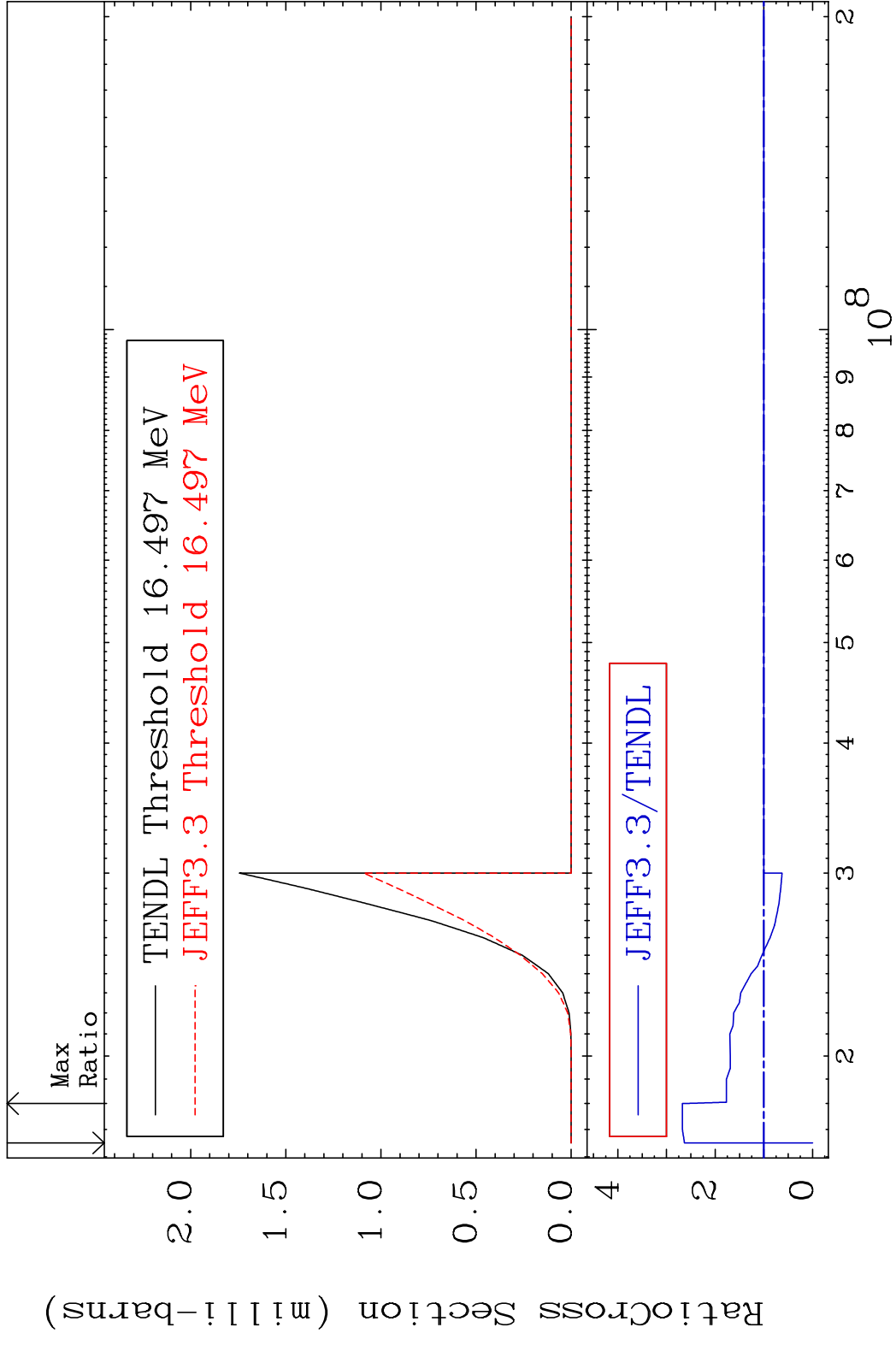
MAT 1928 (n,2p) 19-K -40
 Cross Section 0.000 To 154.9 %



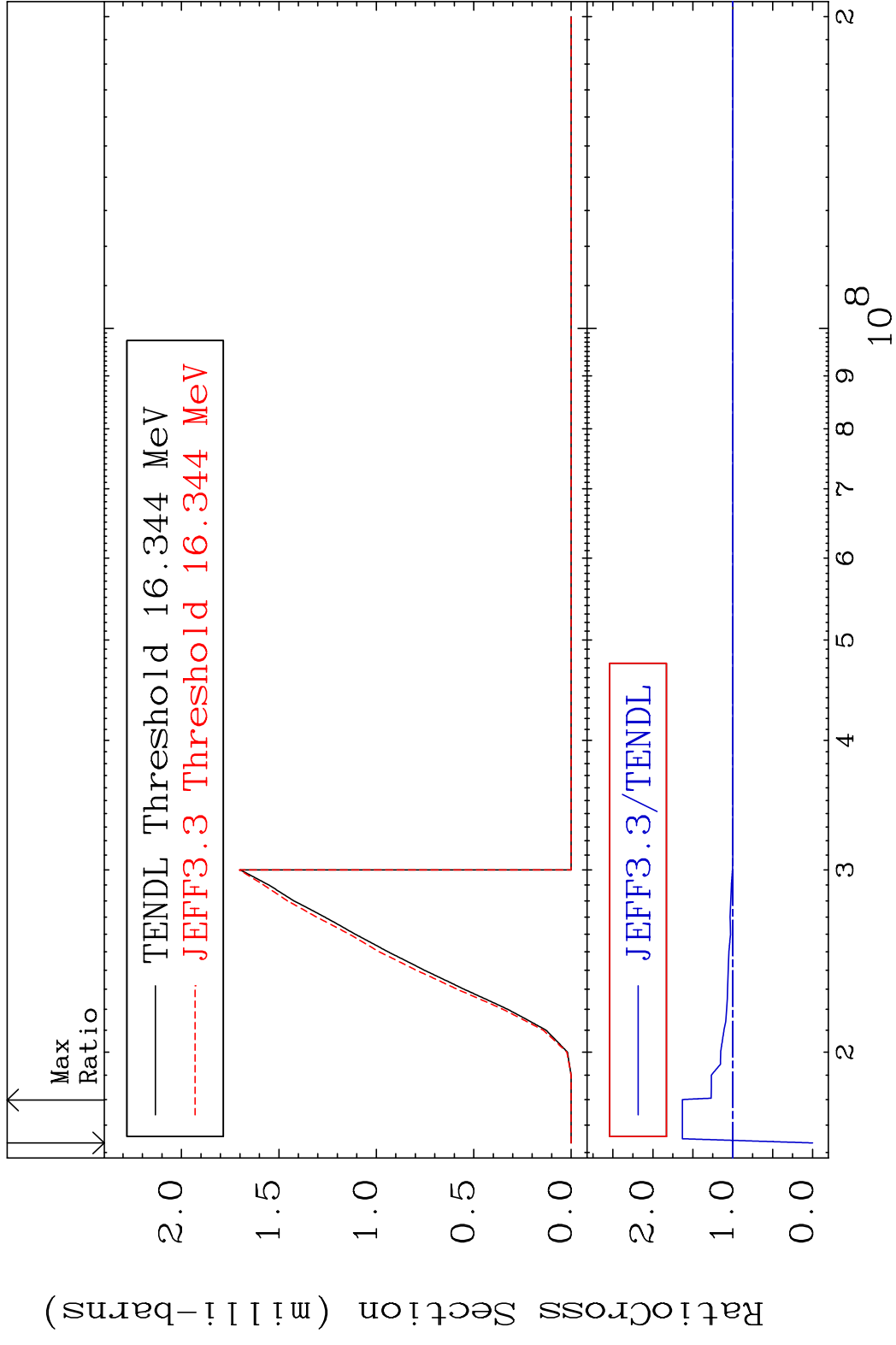
MAT 1928 (n,p) α 19-K -40
 Cross Section -100.0 To 485.9 %



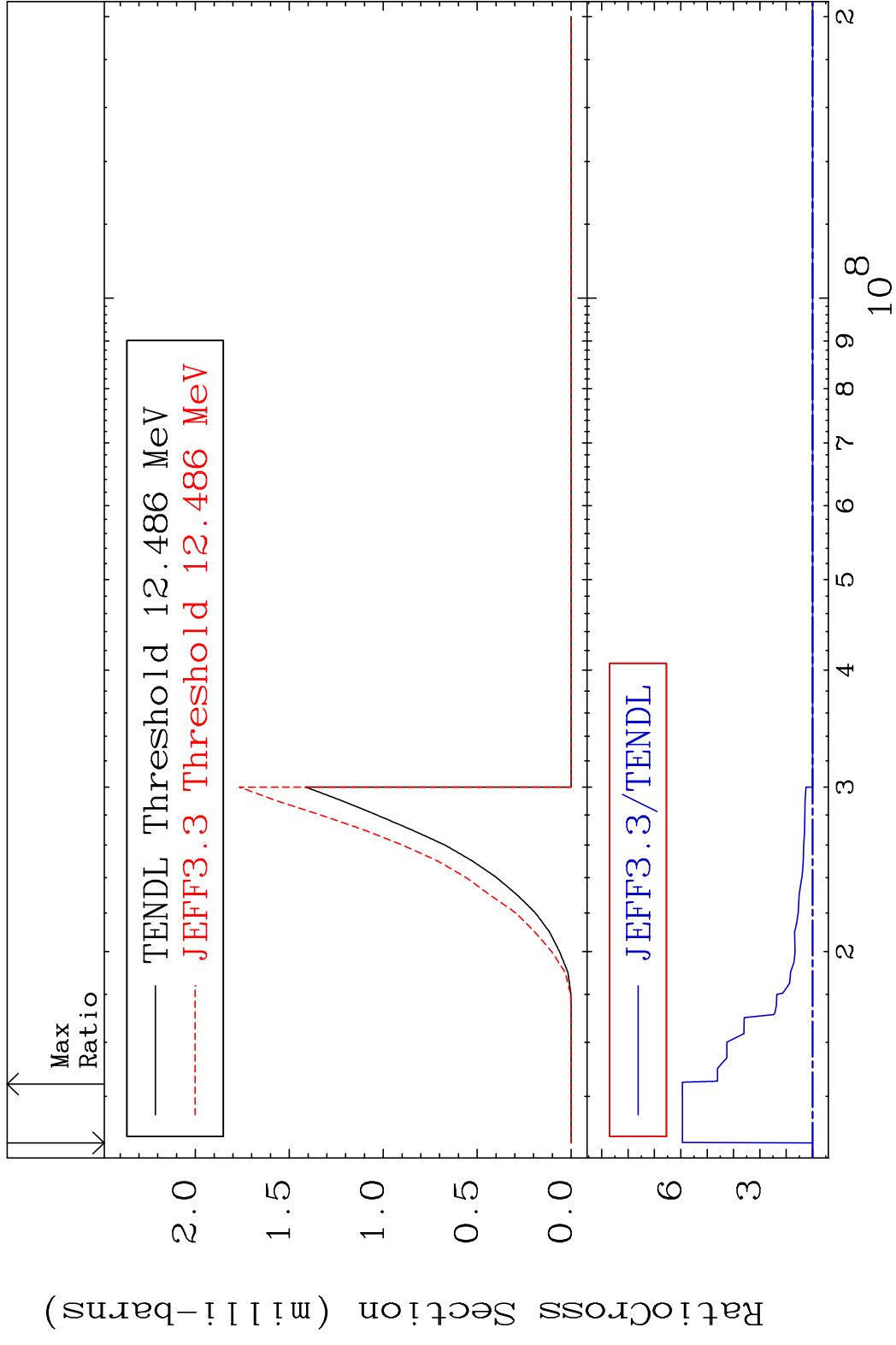
MAT 1928 (n,p) d 19-K -40
 Cross Section -100.0 To 167.5 %



MAT 1928 (n,p) t 19-K -40
 Cross Section -100.0 To 63.06 %



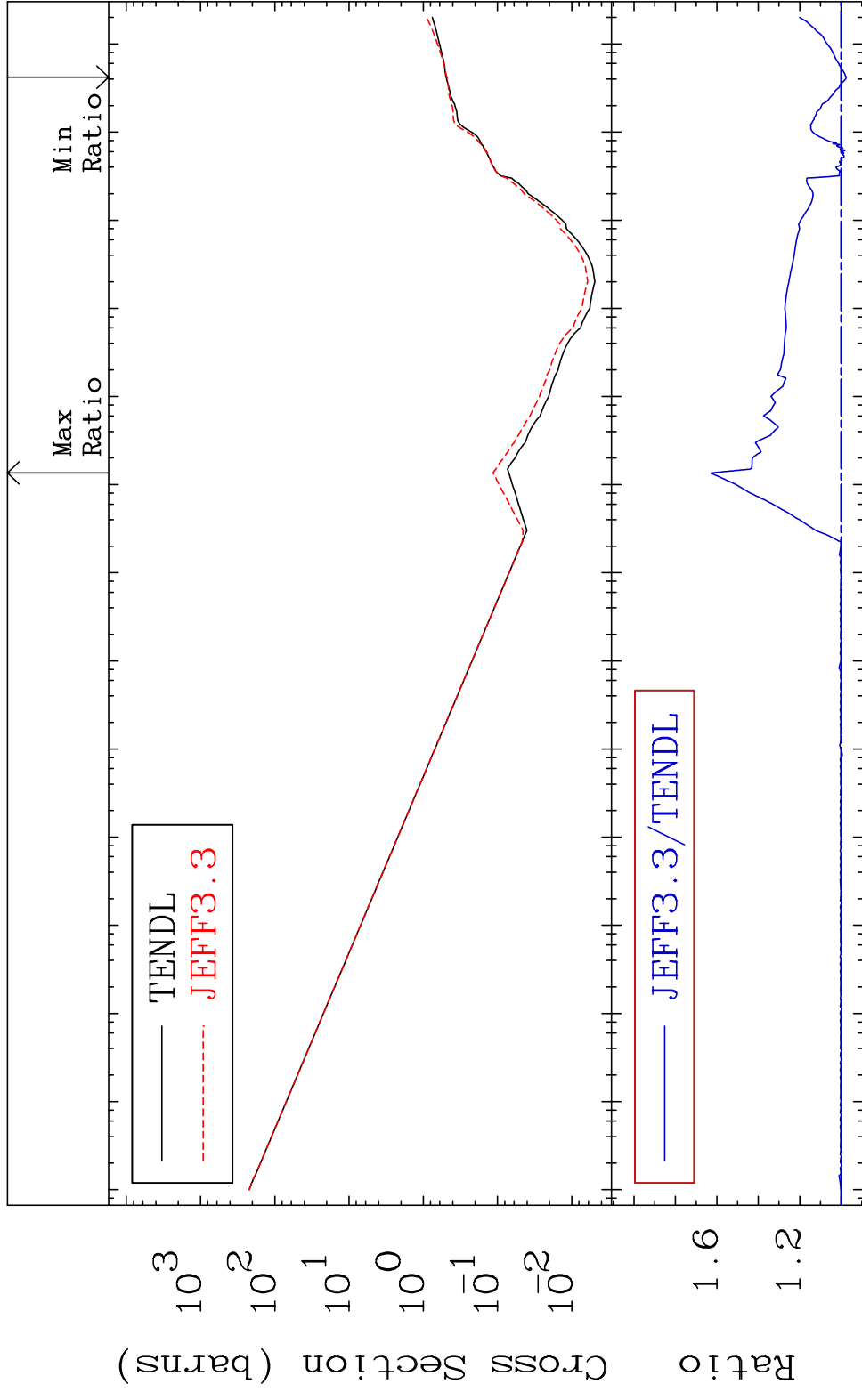
MAT 1928 (n,d) α 19-K -40
 Cross Section 0.000 To 494.1 %



MAT 1928

Hydrogen Production
Cross Section -2.491 To 62.98 %

19-K -40



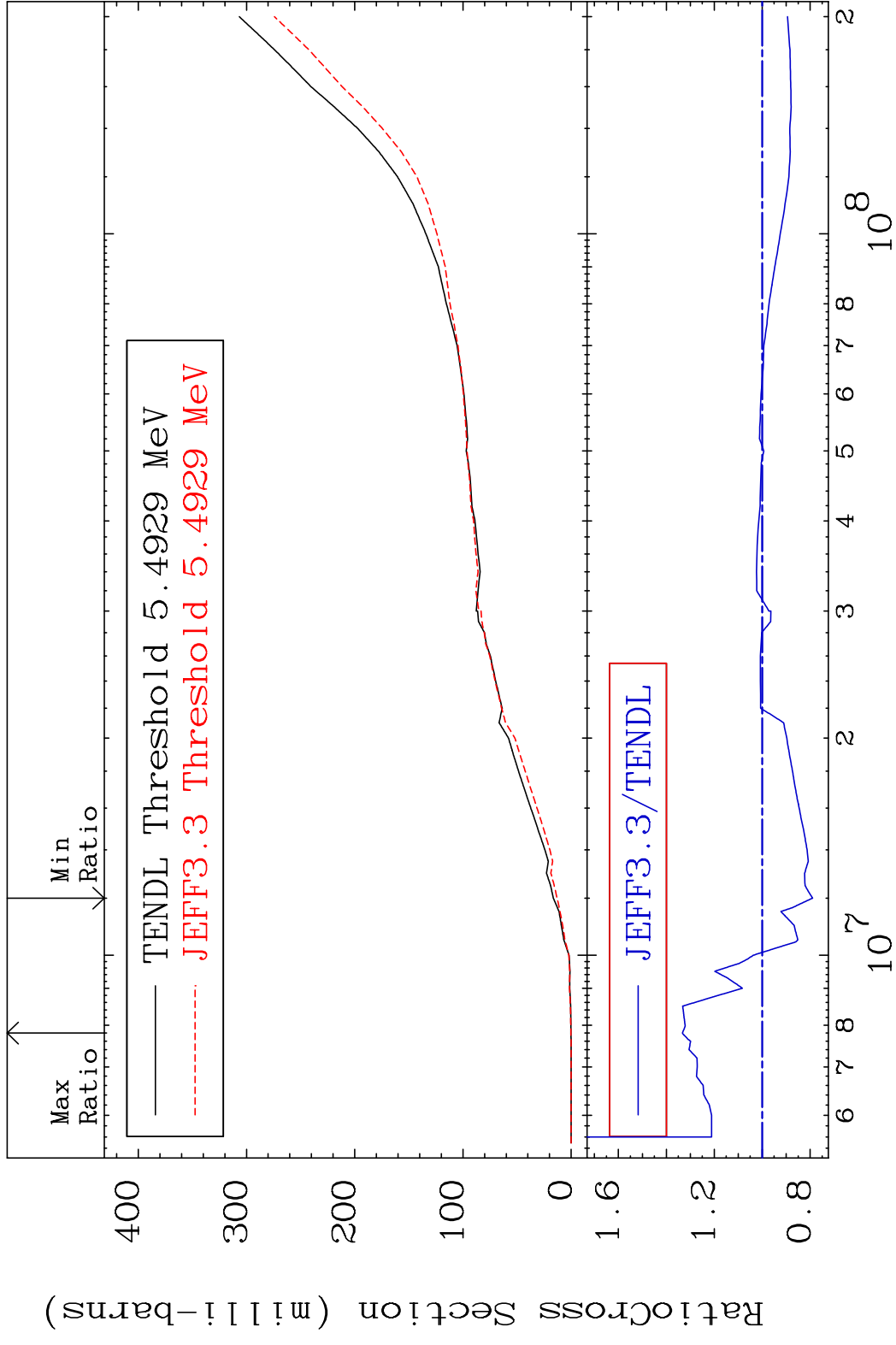
60 Incident Energy (eV) 19-K -40

MAT 1928

Deuterium Production

19-K -40

Cross Section -21.01 To 33.32 %



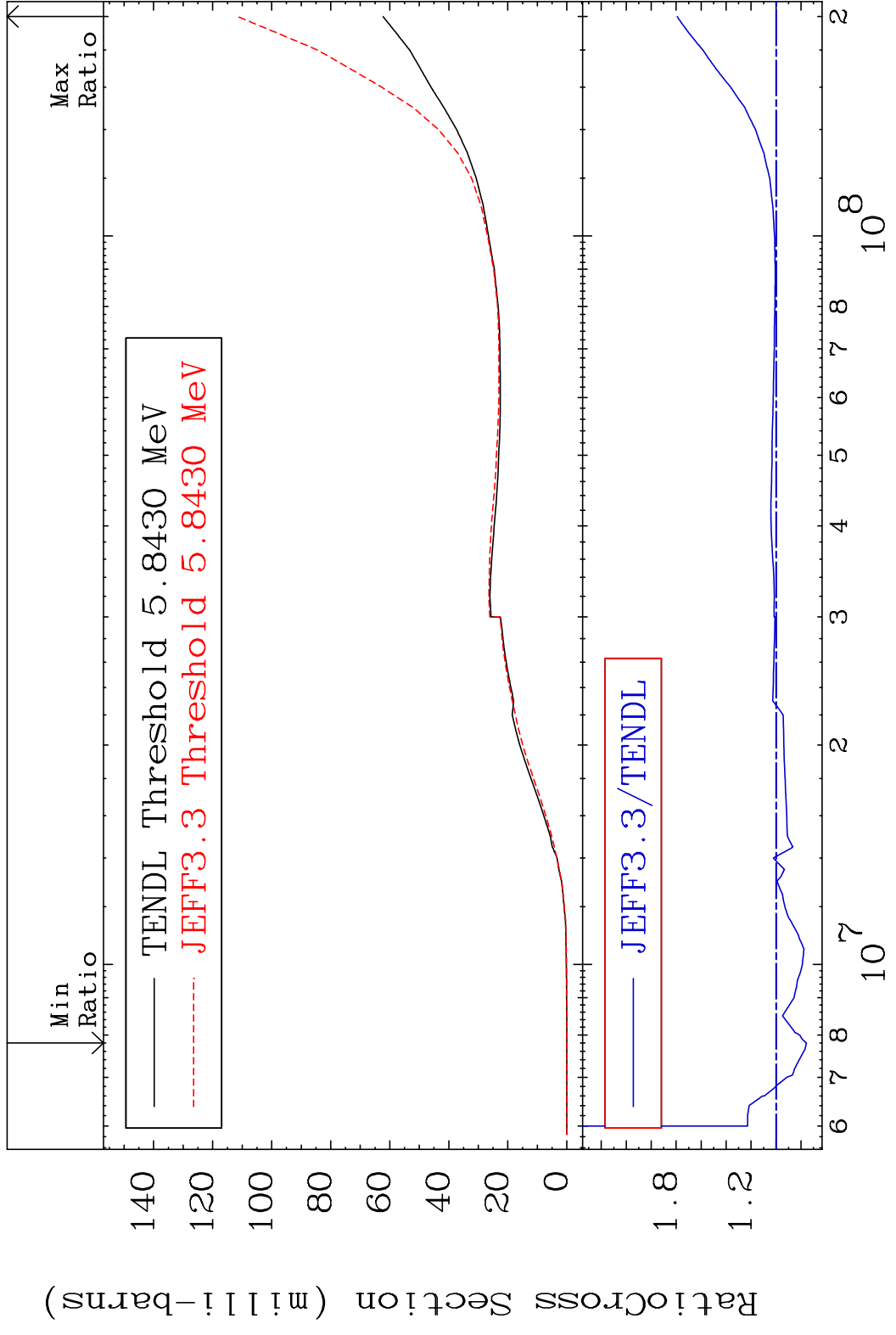
61

Incident Energy (eV)

19-K -40

MAT 1928

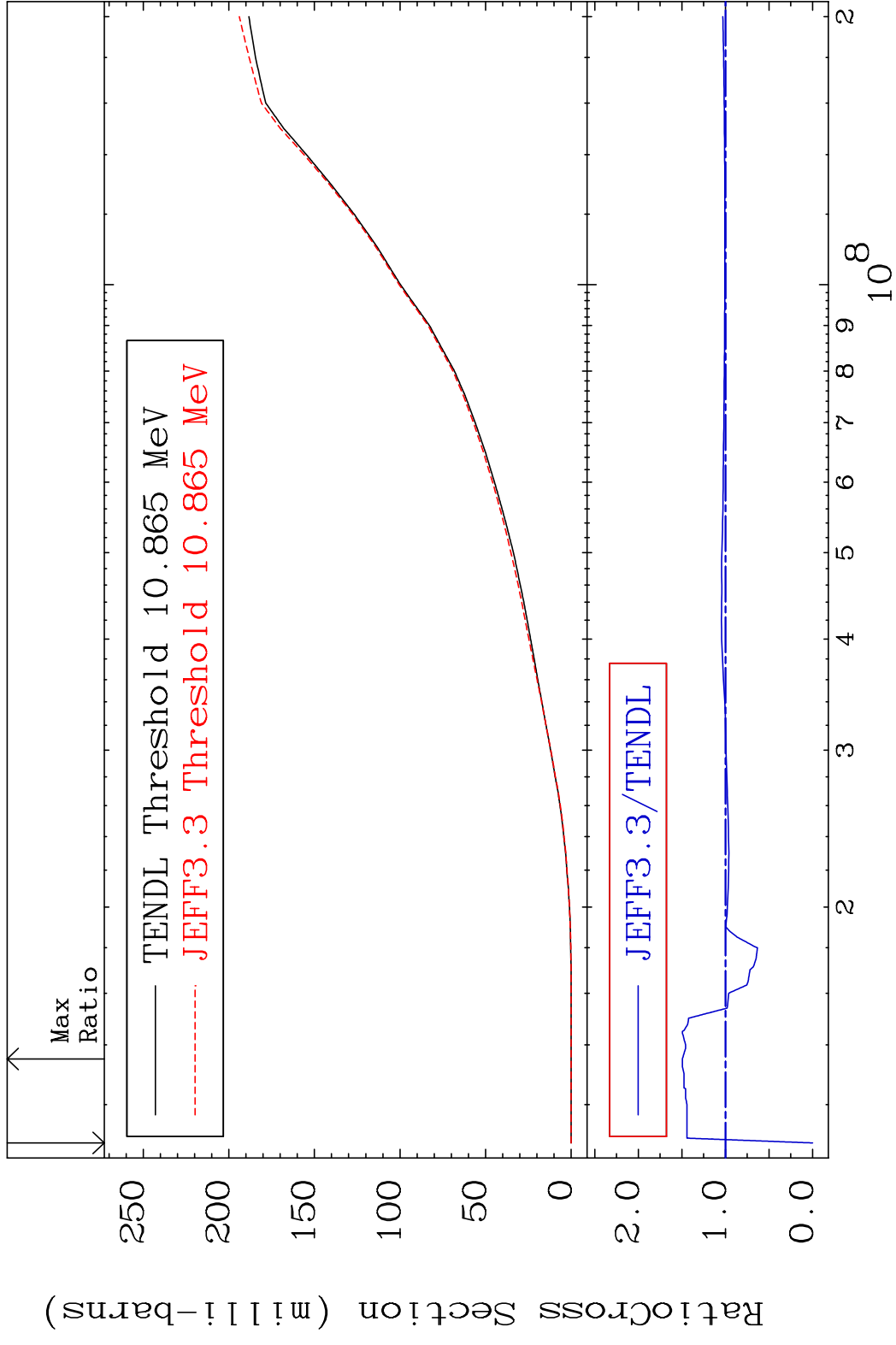
Tritium Production 19-K -40
Cross Section -24.28 To 79.19 %



62

19-K -40

MAT 1928 He-3 Production 19-K -40
 Cross Section -100.0 To 49.45 %

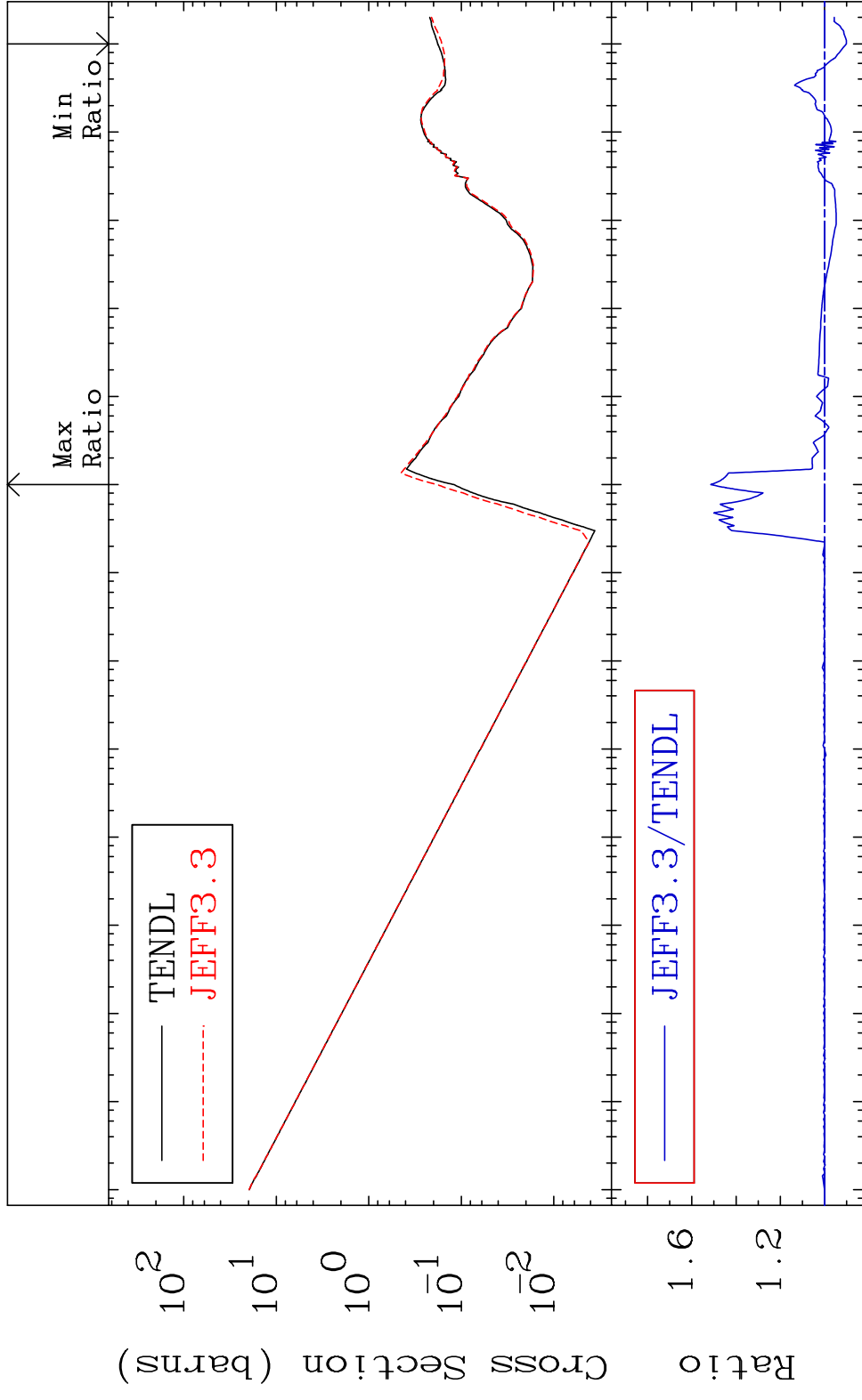


MAT 1928

He-4 Production

19-K -40

Cross Section -9.858 To 51.46 %



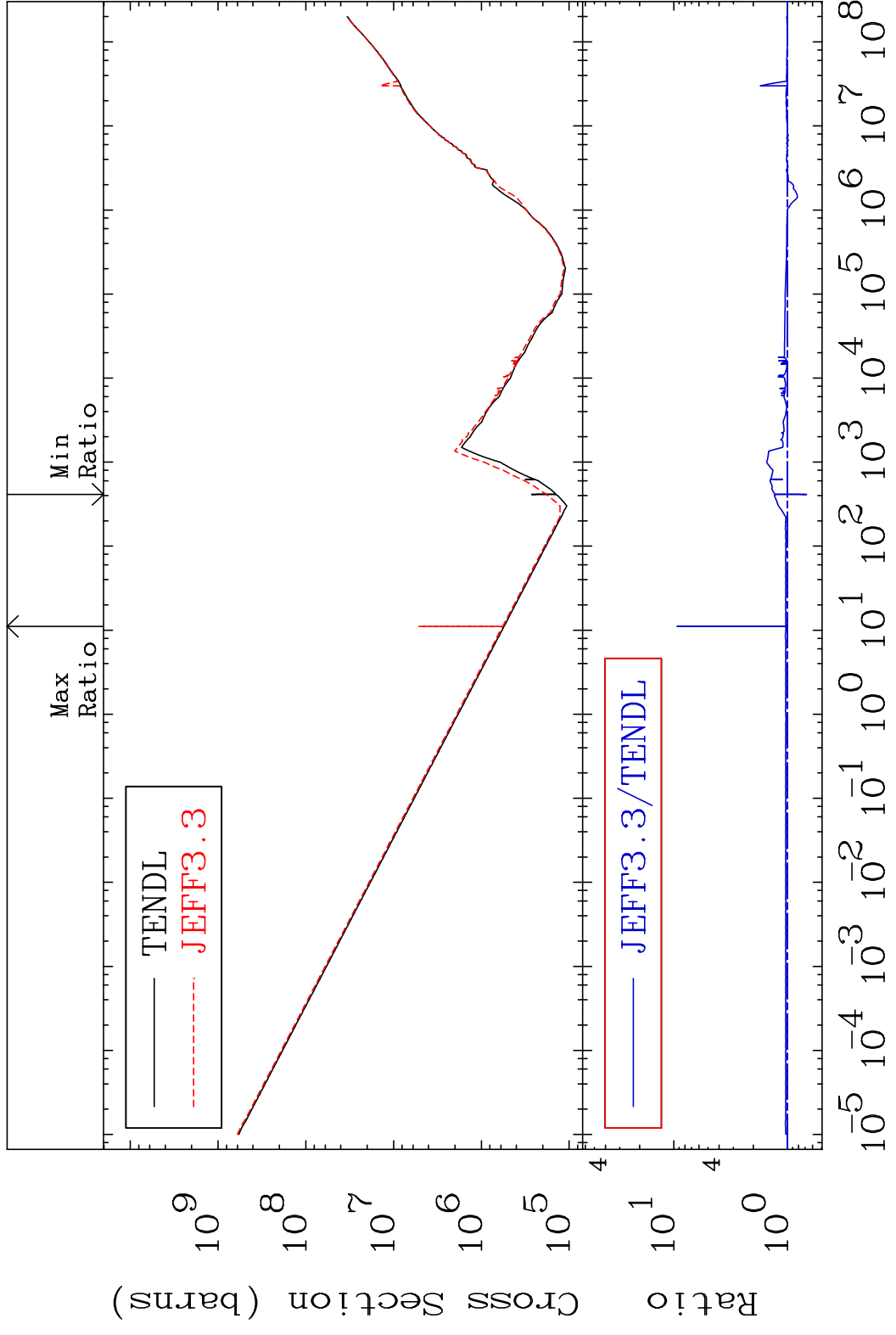
64

Incident Energy (eV)

19-K -40

MAT 1928

Kerma total (eV-barns) 19-K -40
Cross Section -31.89 To 834.4 %



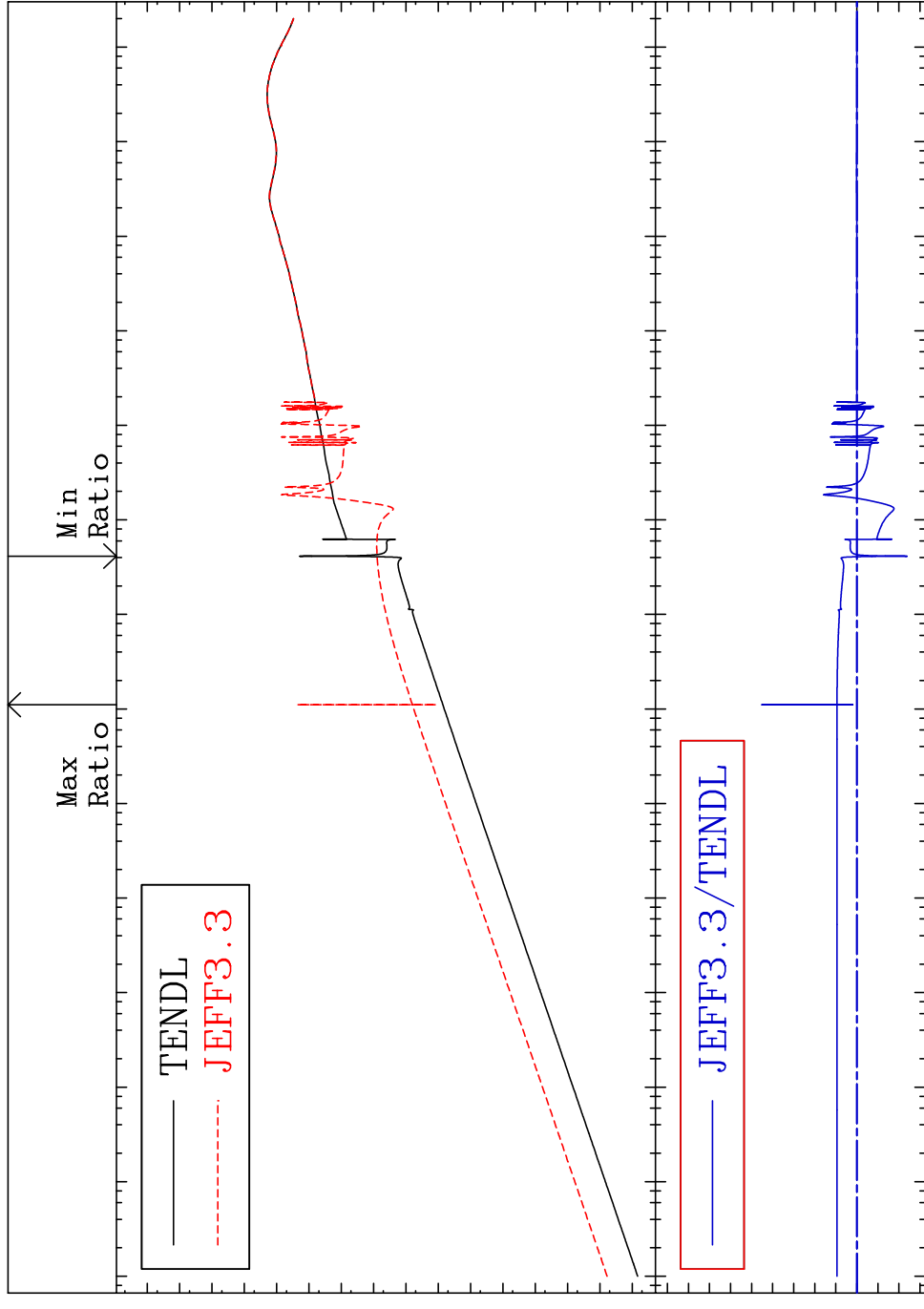
65

Incident Energy (eV) 19-K -40

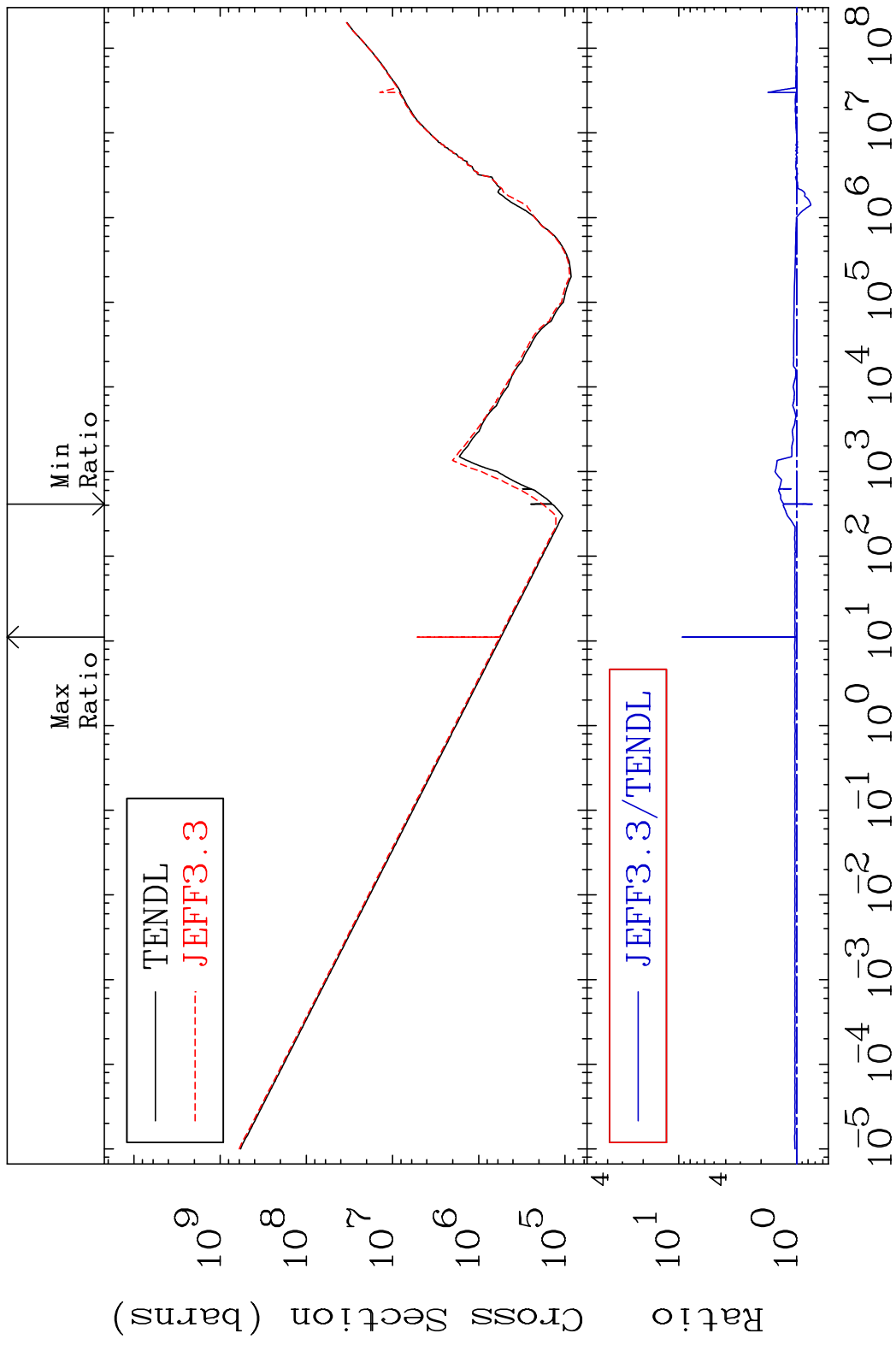
MAT 1928

Kerma elastic Cross Section -99.60 To 9999. %

19-K -40

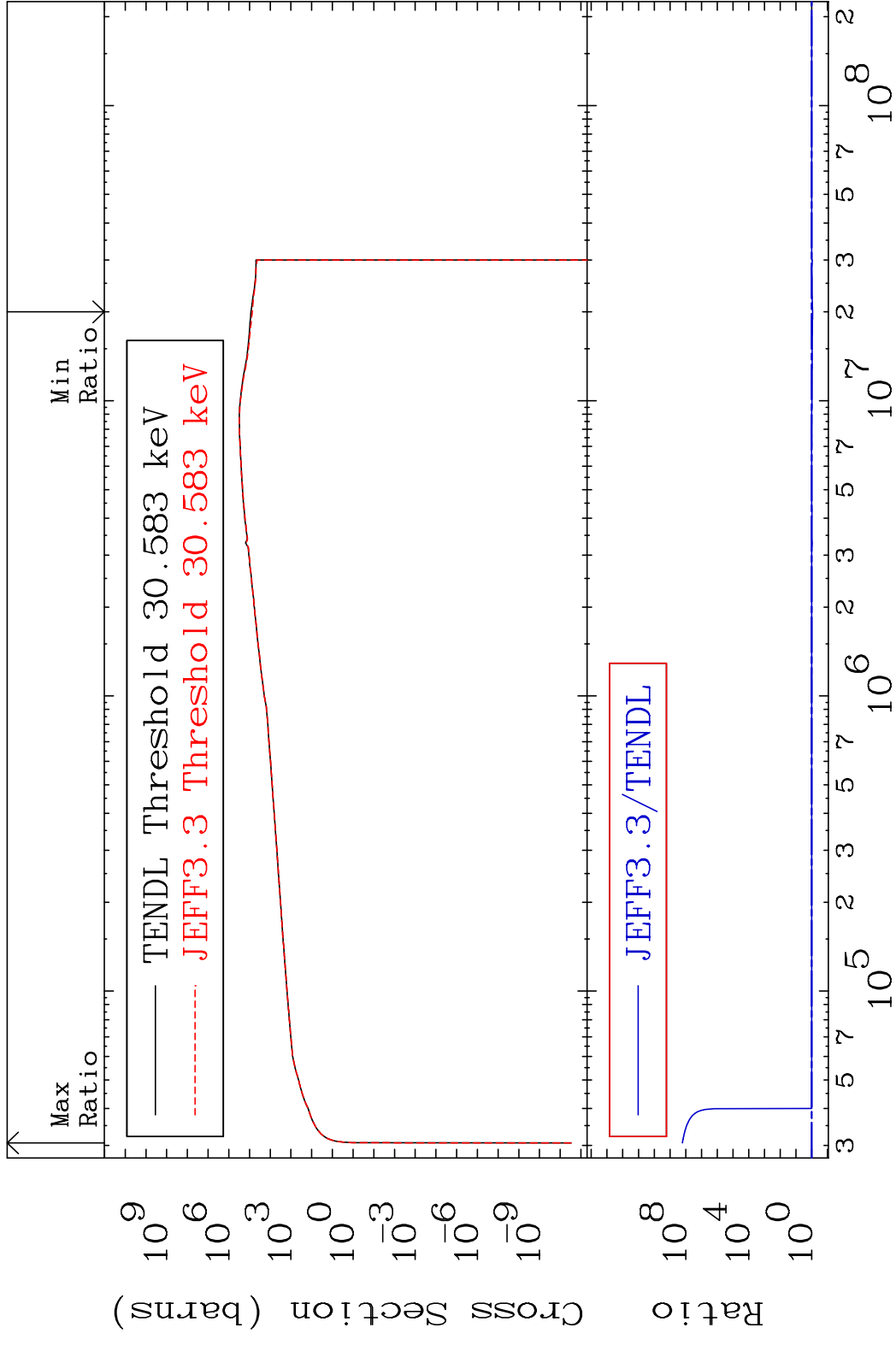


MAT 1928 Kerma non-elastic (all but mt2) 19-K -40
 Cross Section -26.58 To 830.1 %

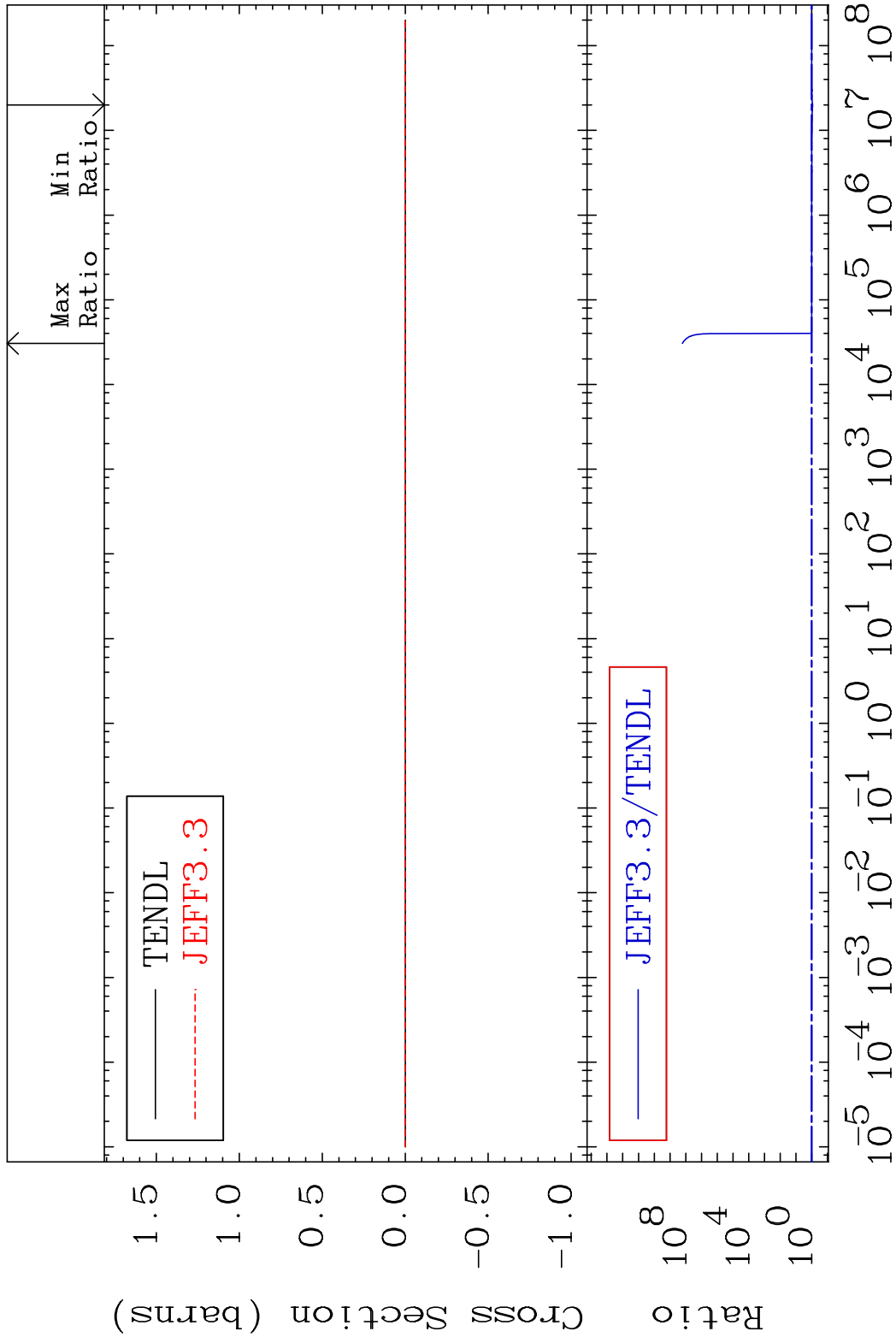


67 Incident Energy (eV) 19-K -40

MAT 1928 Kerma inelastic (mt51-91) 19-K -40
 Cross Section -12.60 To 9999. %

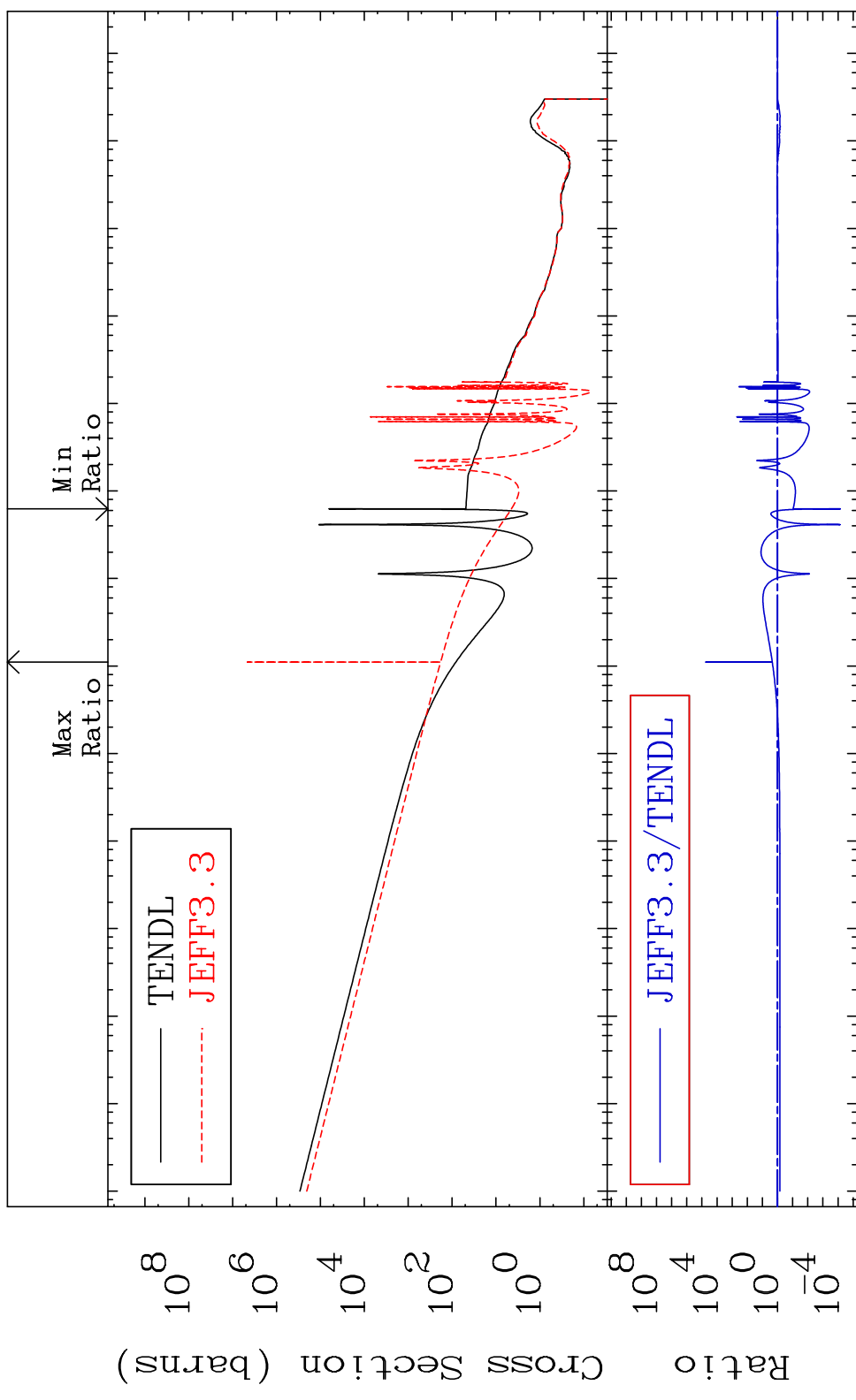


MAT 1928 Kerma fission (mt18 or mt19-20-21-38) 19-K -40
 Cross Section -12.60 To 9999. %

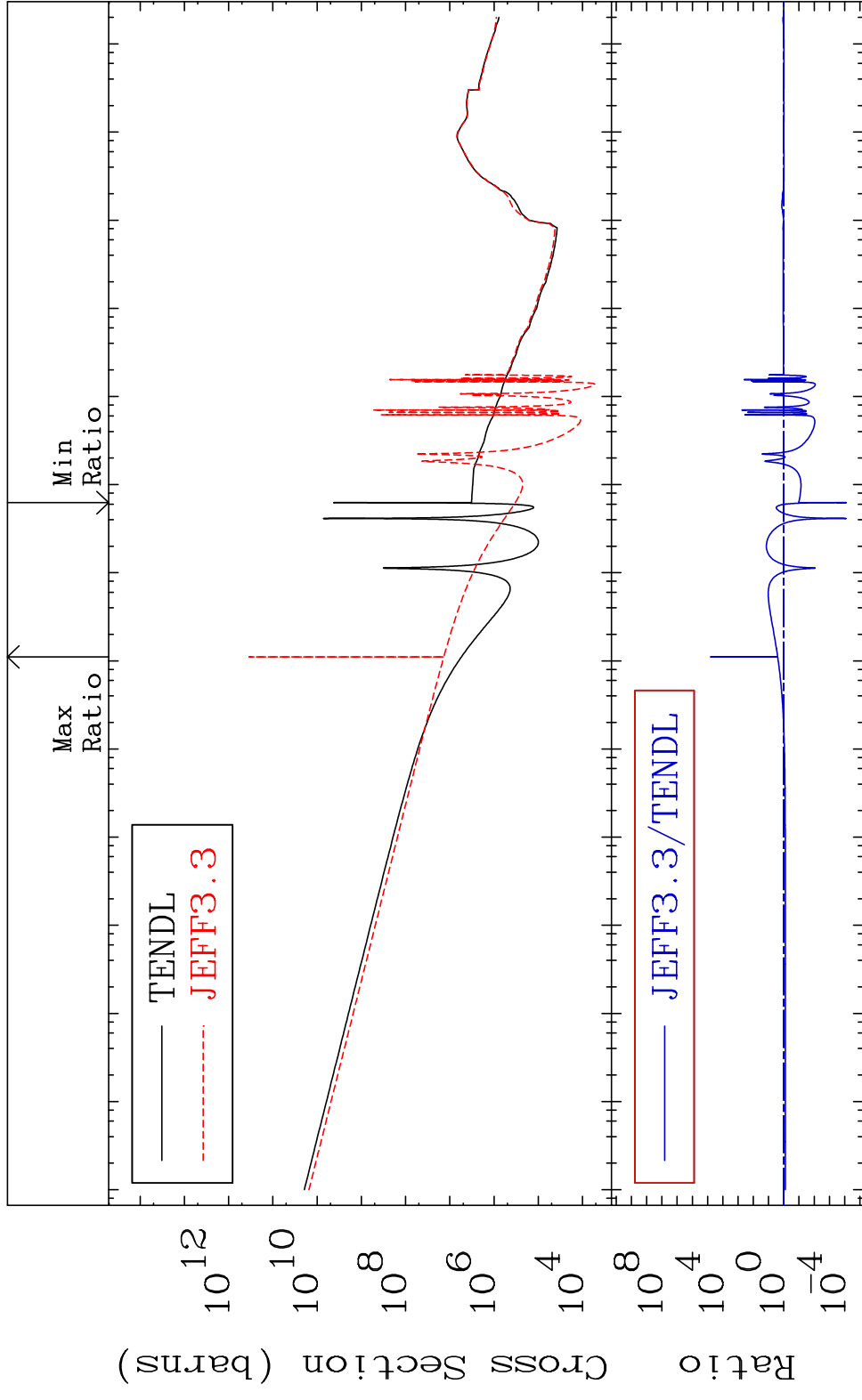


MAT 1928

Kerma capture (mt102) 19-K -40
Cross Section -99.99 To 9999. %

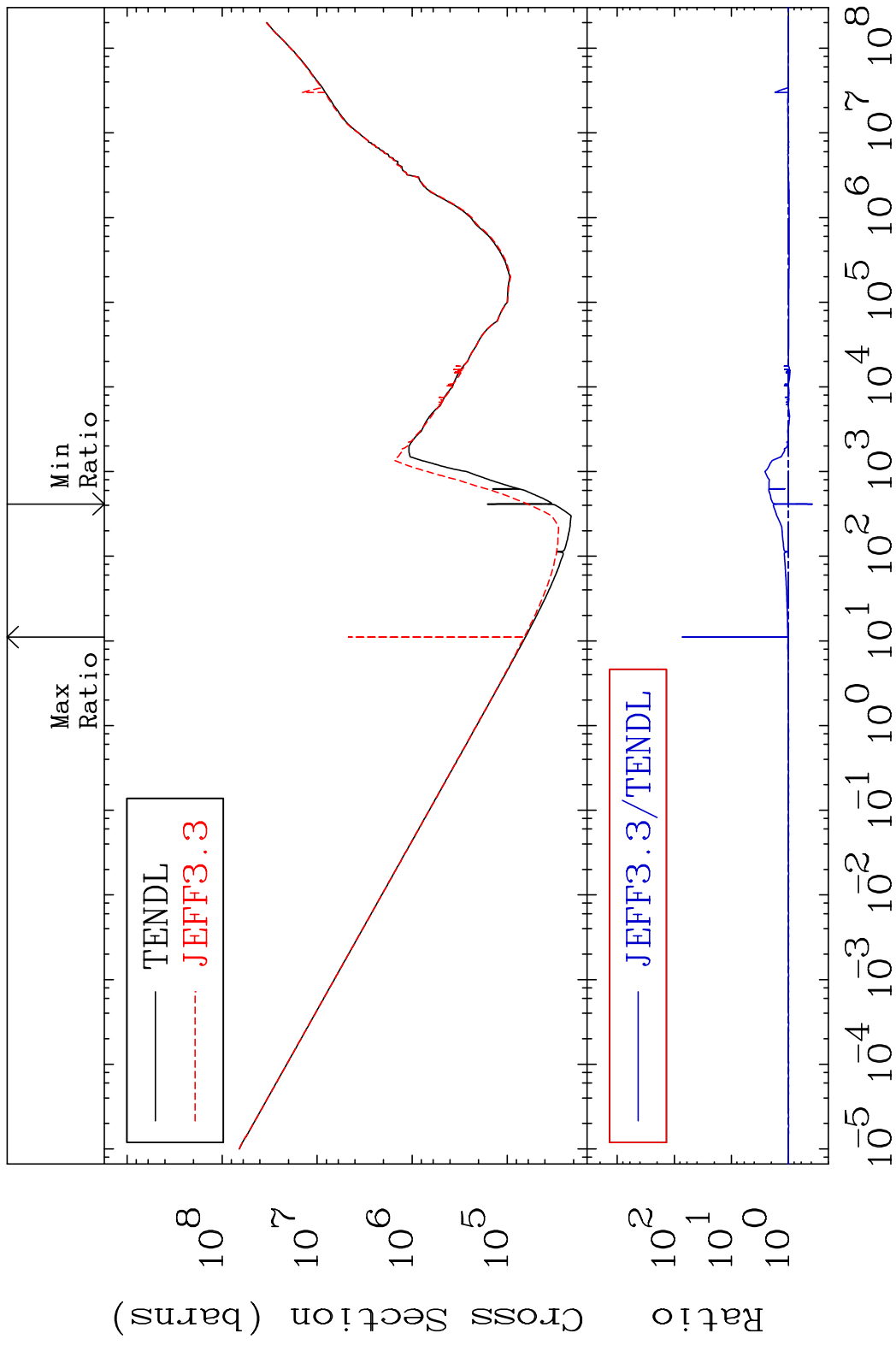


MAT 1928 Total photon (eV-barns) 19-K -40
 Cross Section -99.99 To 9999. %



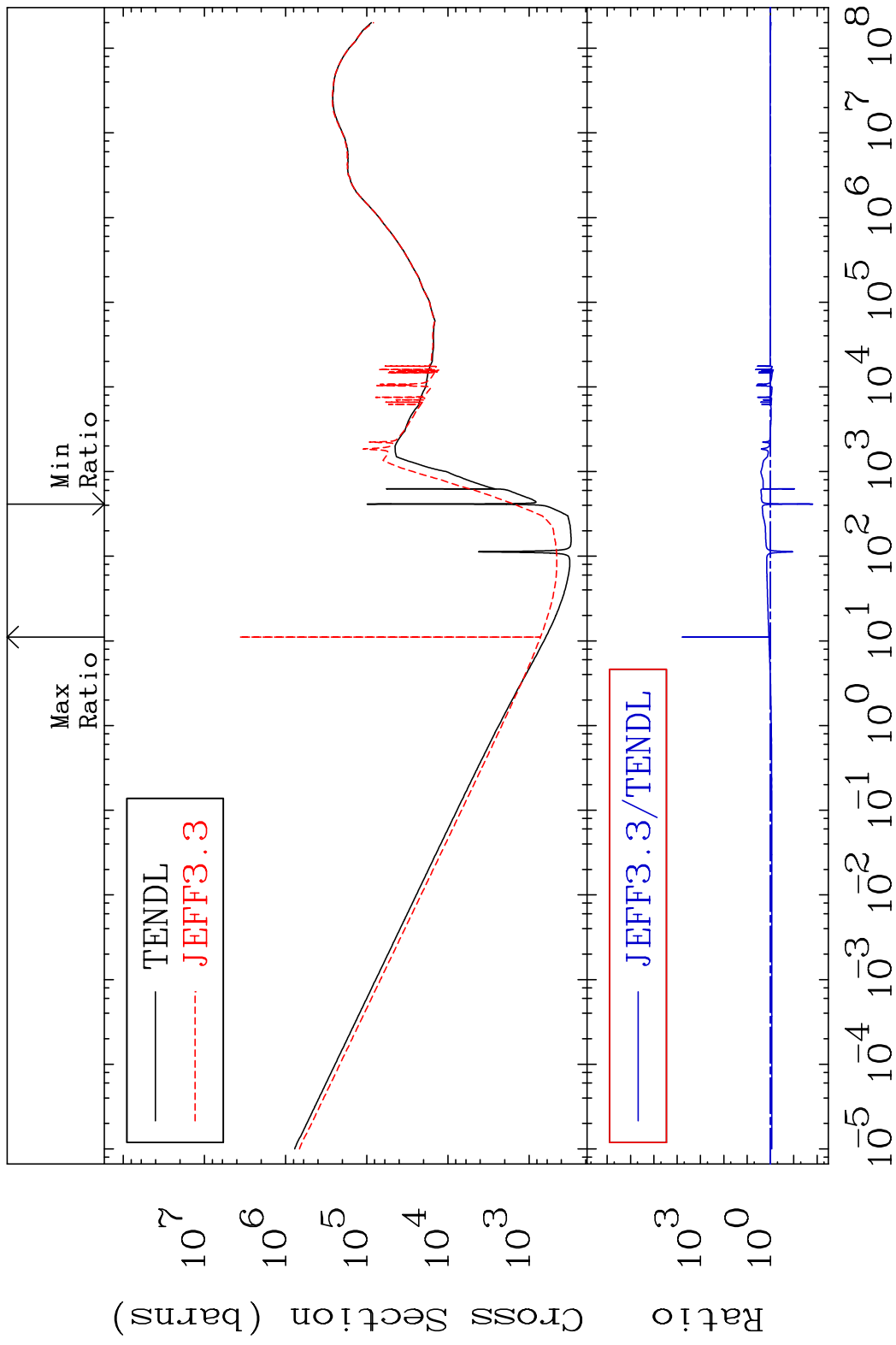
71 Incident Energy (eV) 19-K -40

MAT 1928 Total kinematic kerma (high limit) 19-K -40
 Cross Section -62.11 To 7141. %



72 Incident Energy (eV) 19-K -40

MAT 1928 Dpa total (eV-barns) 19-K -40
 Cross Section -98.44 To 9999. %



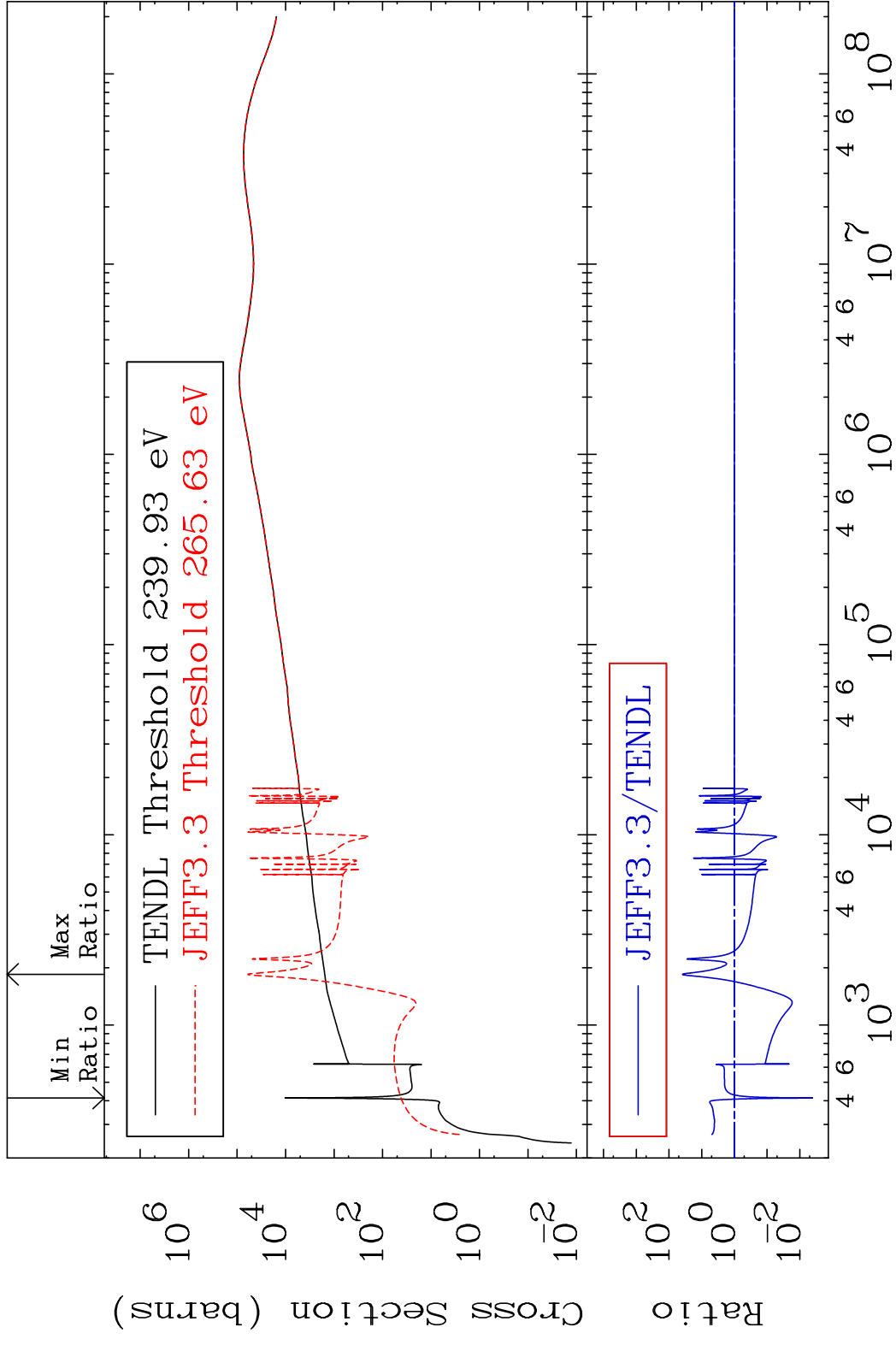
73 Incident Energy (eV) 19-K -40

MAT 1928

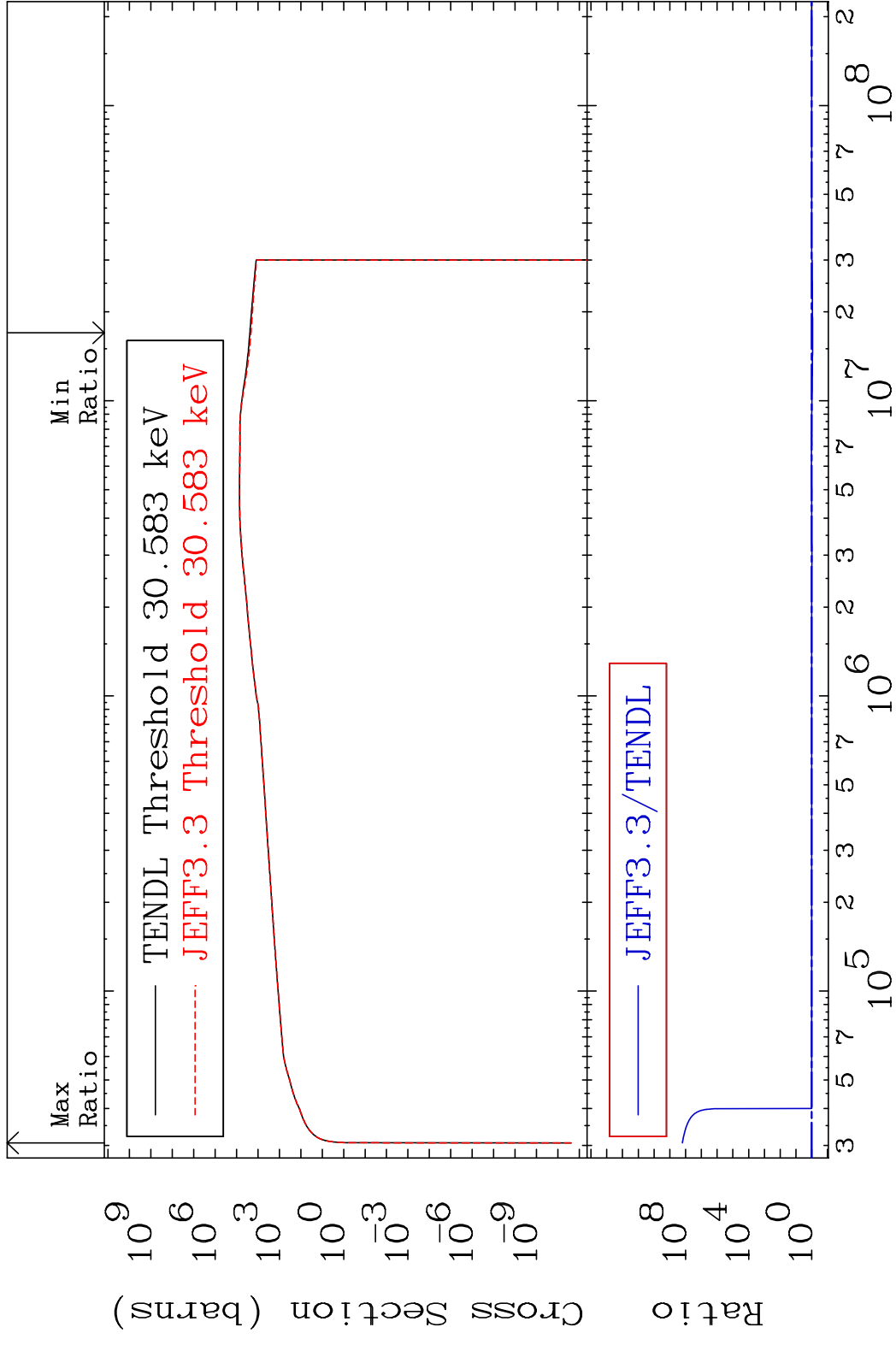
Dpa elastic (mt2)

19-K -40

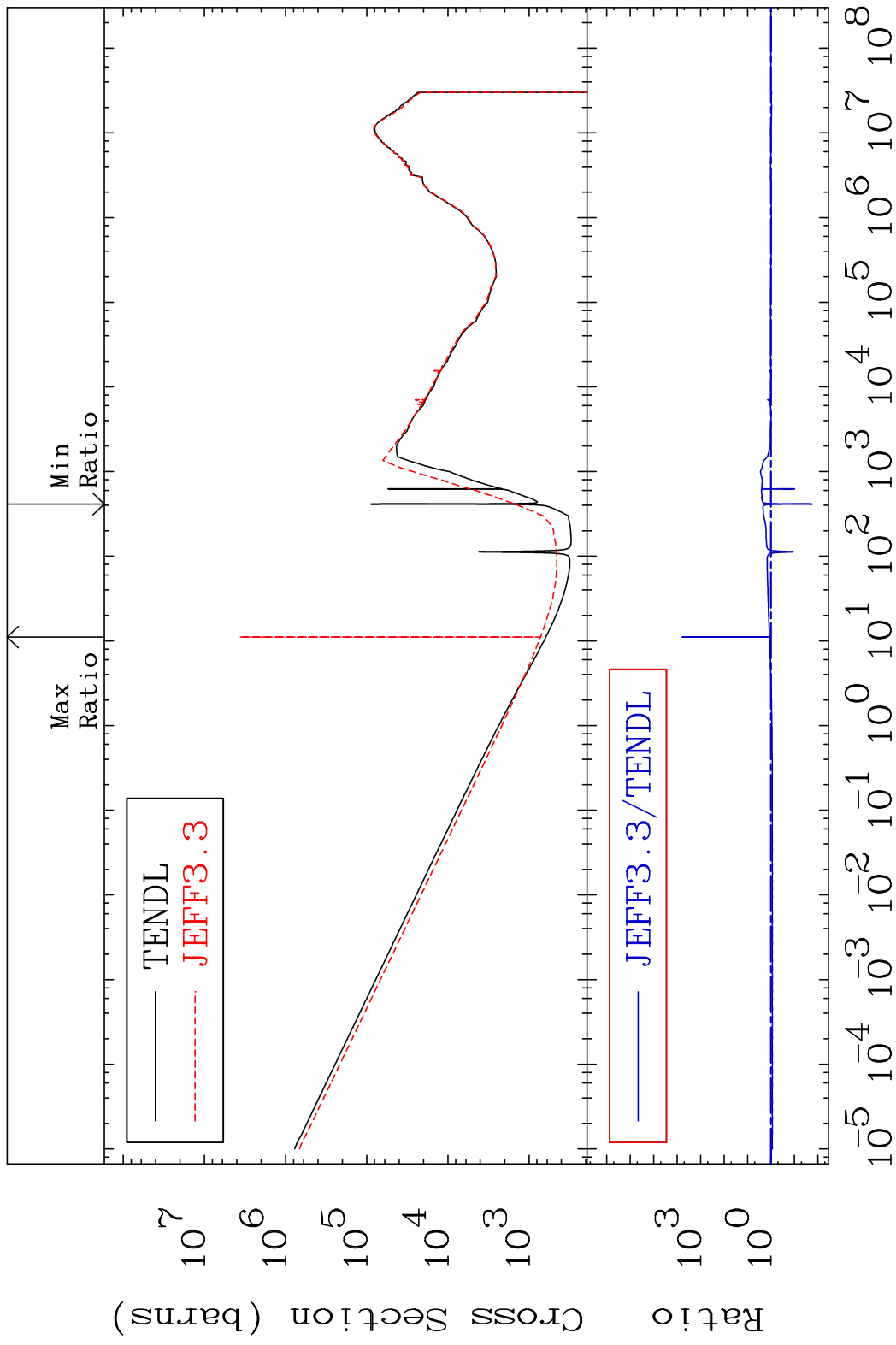
Cross Section -99.59 To 3799. %



MAT 1928 Dpa inelastic (mt51-91) 19-K -40
 Cross Section -11.32 To 9999. %

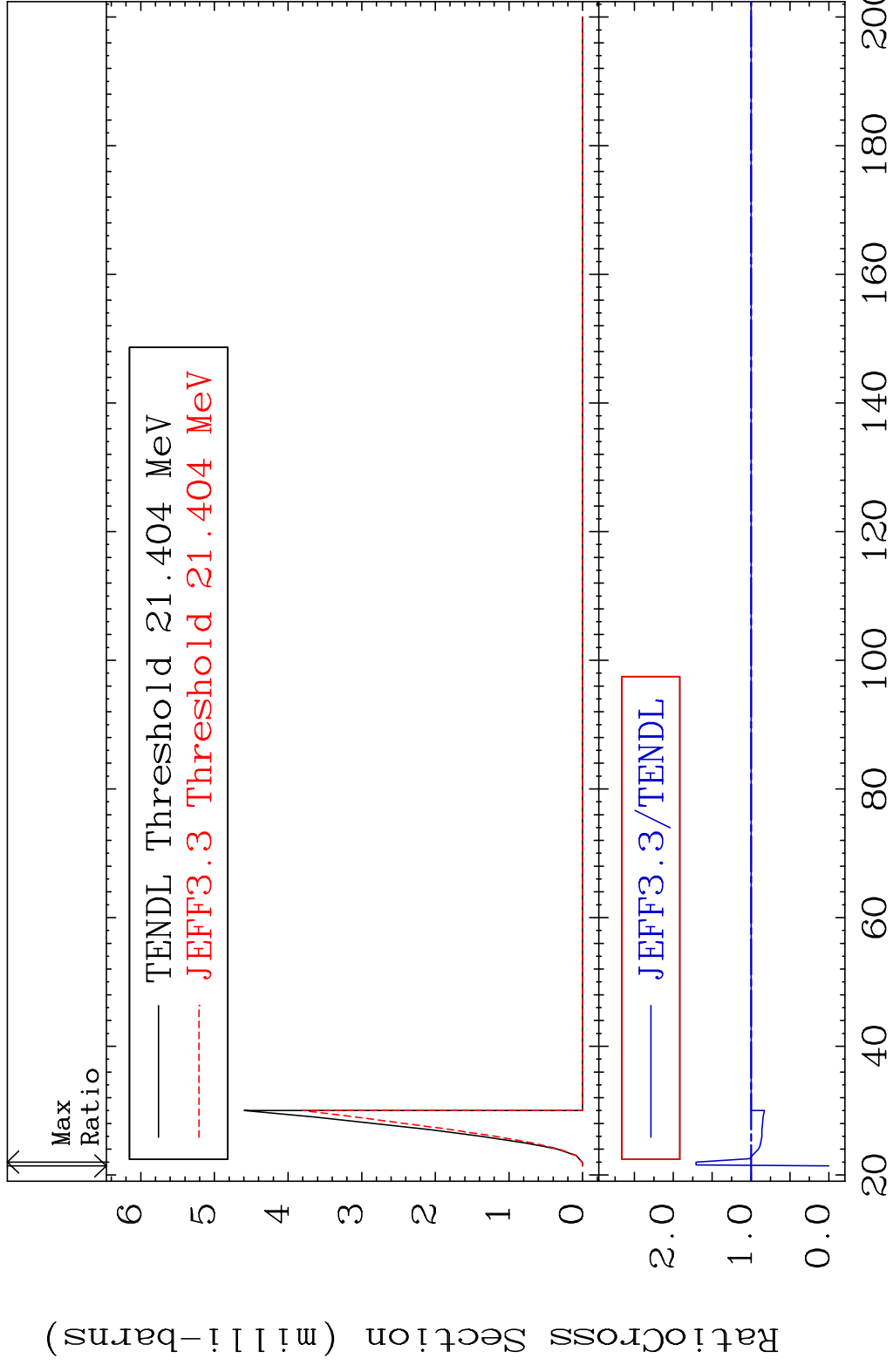


MAT 1928 Dpa disappearance (mt102 -120) 19-K -40
 Cross Section -98.31 To 9999. %

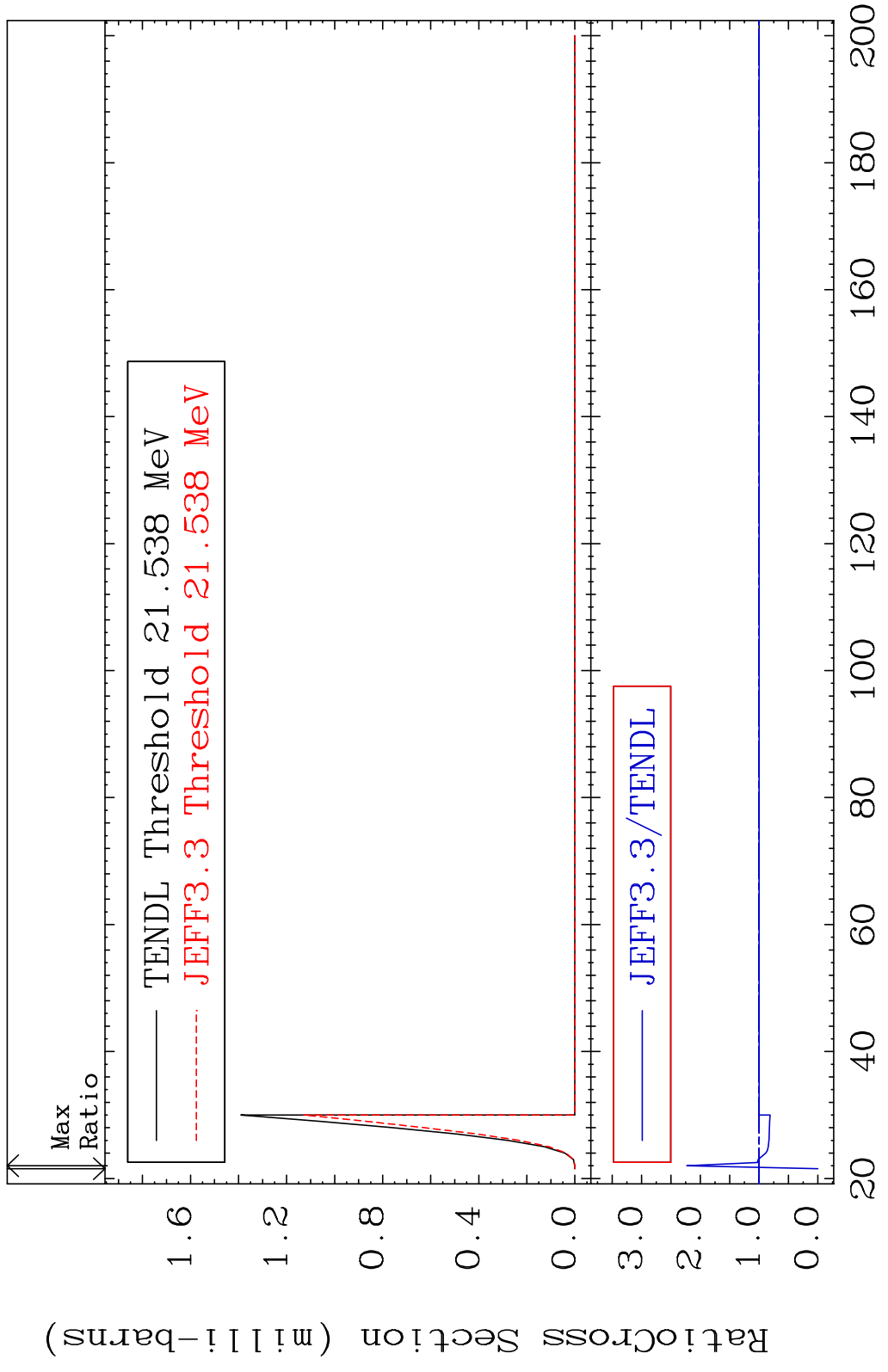


76 Incident Energy (eV) 19-K -40

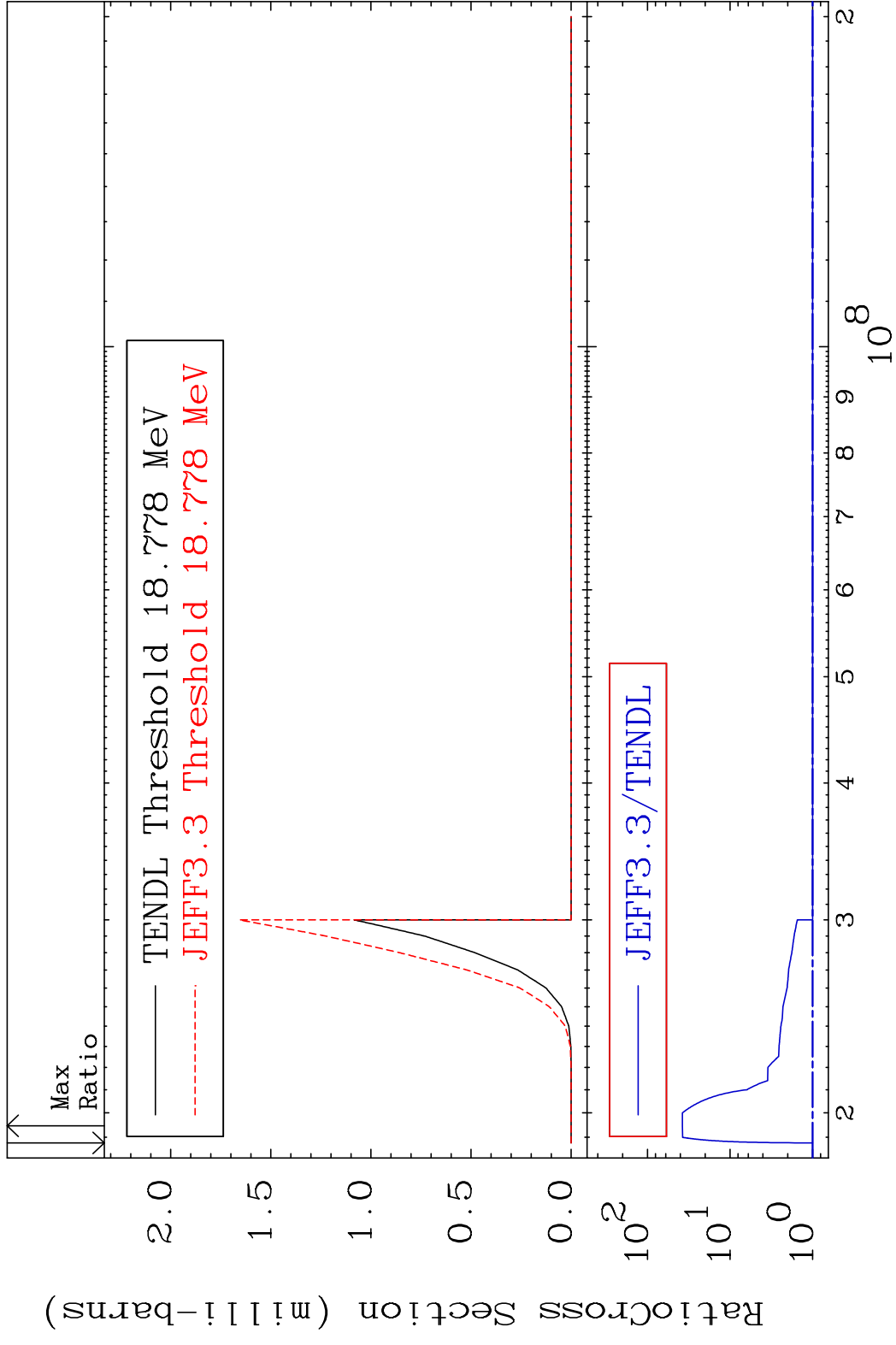
MAT 1928 (n,3n):19-K -38g 19-K -40
 Radionuclide Production Cross Section 19-K -40 70.83 %



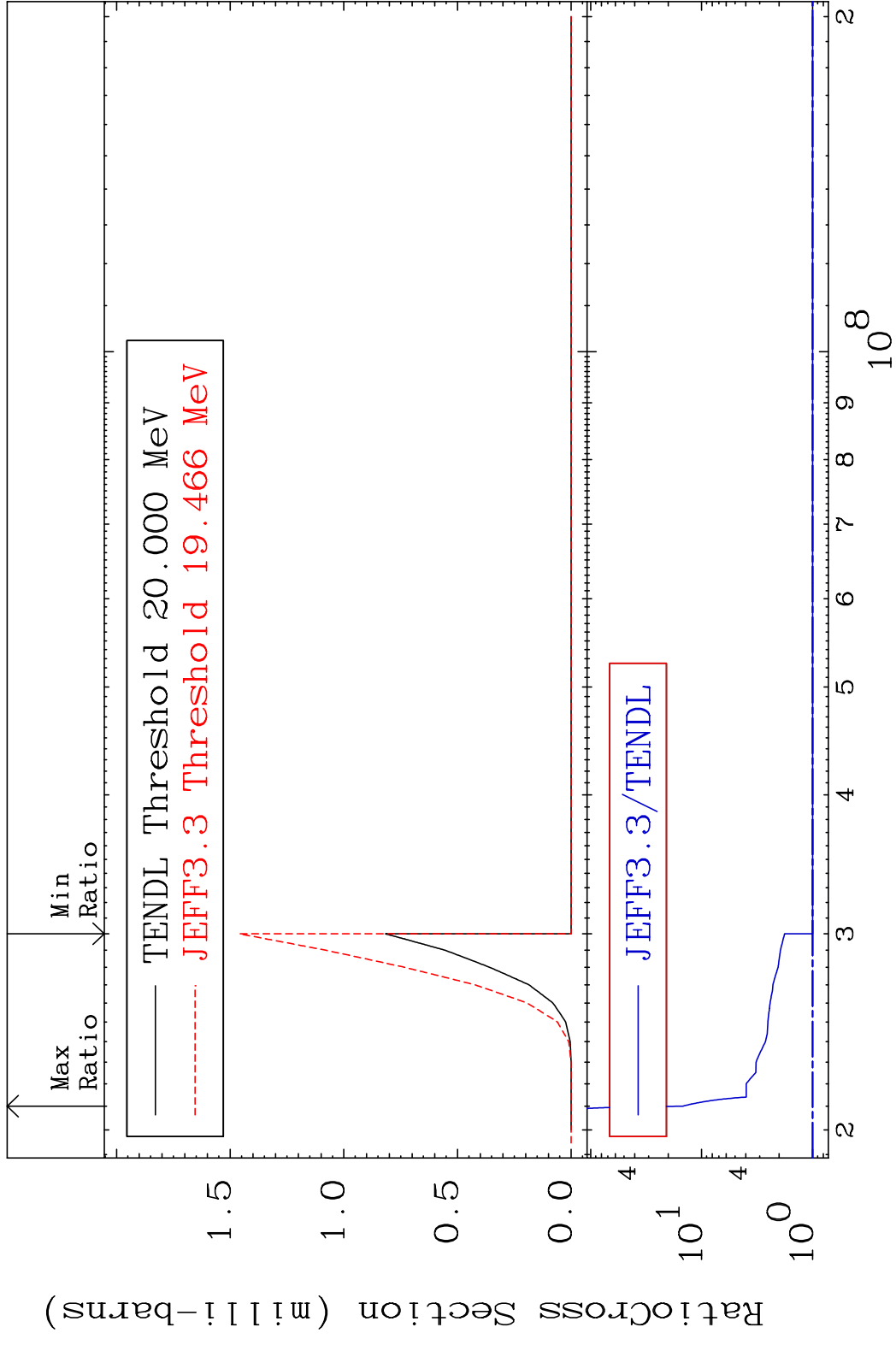
MAT 1928 (n,3n):19-K -38m1 19-K -40
 Radionuclide Production Cross Section 180.01 dth 123.1 %



MAT 1928 (n,2n) p:17-Cl-38g 19-K -40
 Radionuclide Production Cross Section 3677. %

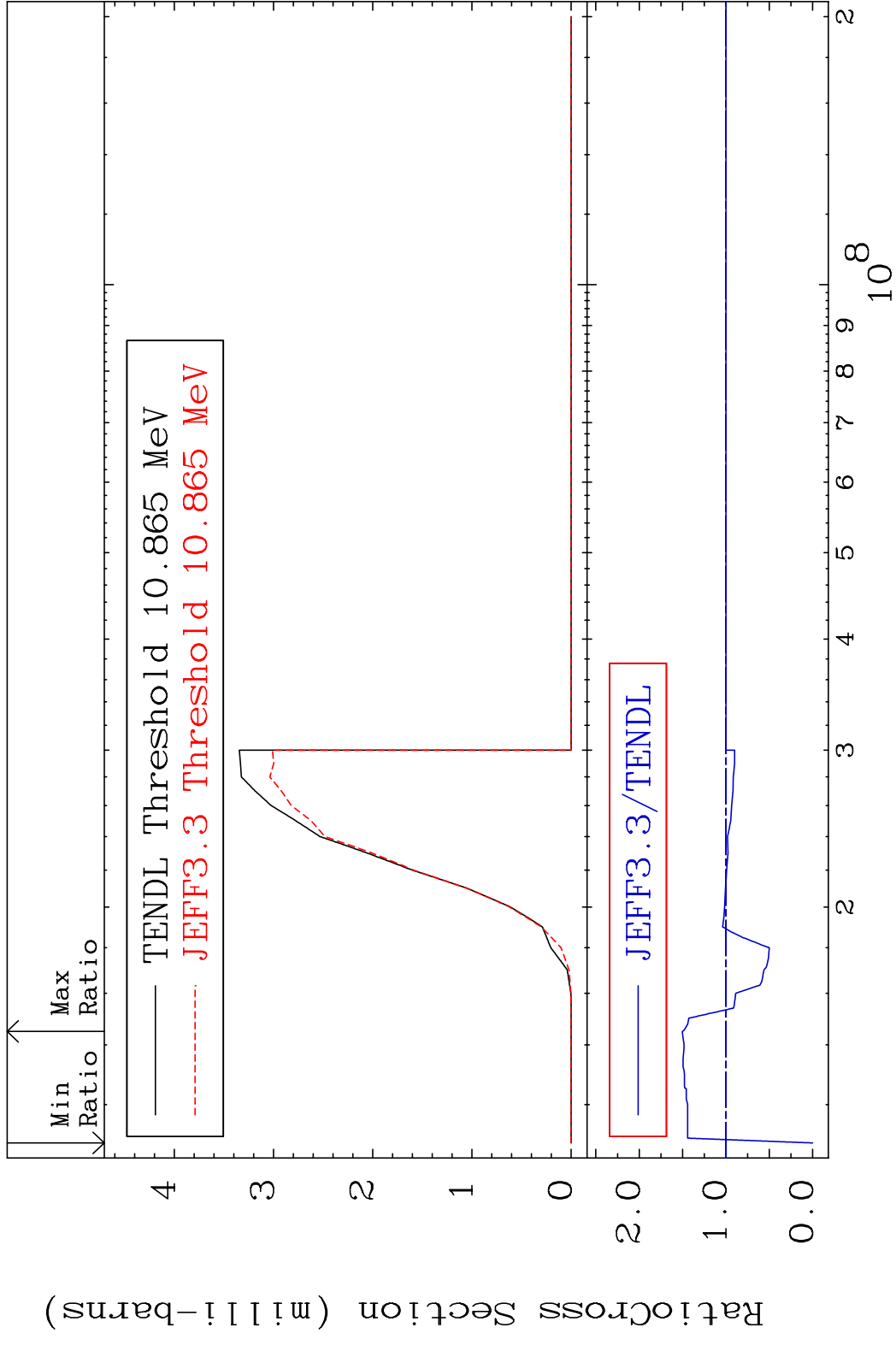


MAT 1928 (n,2n) p:17-Cl-38m1 19-K -40
 Radionuclide Production Cross Section 1390. %

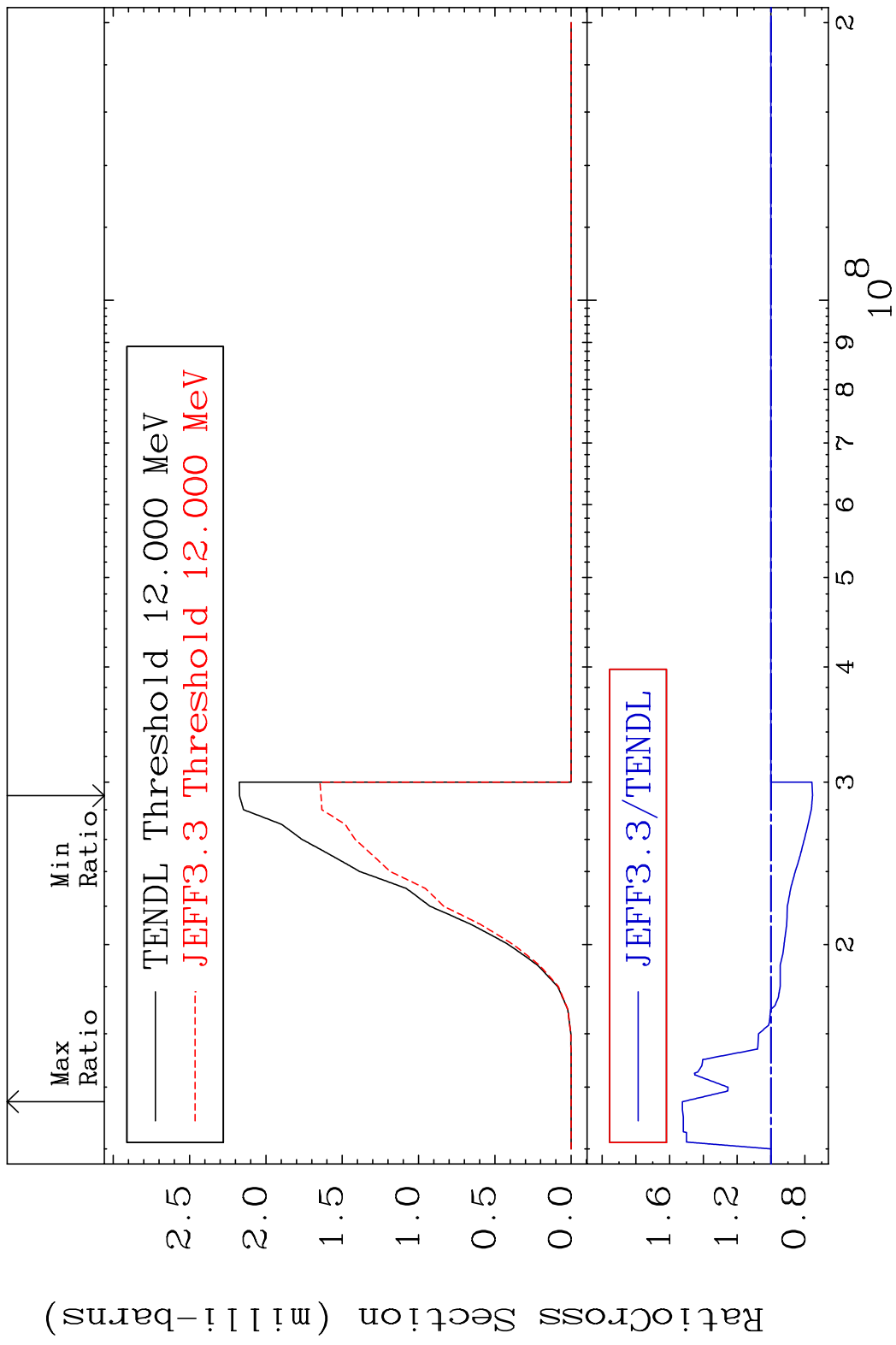


80 19-K -40

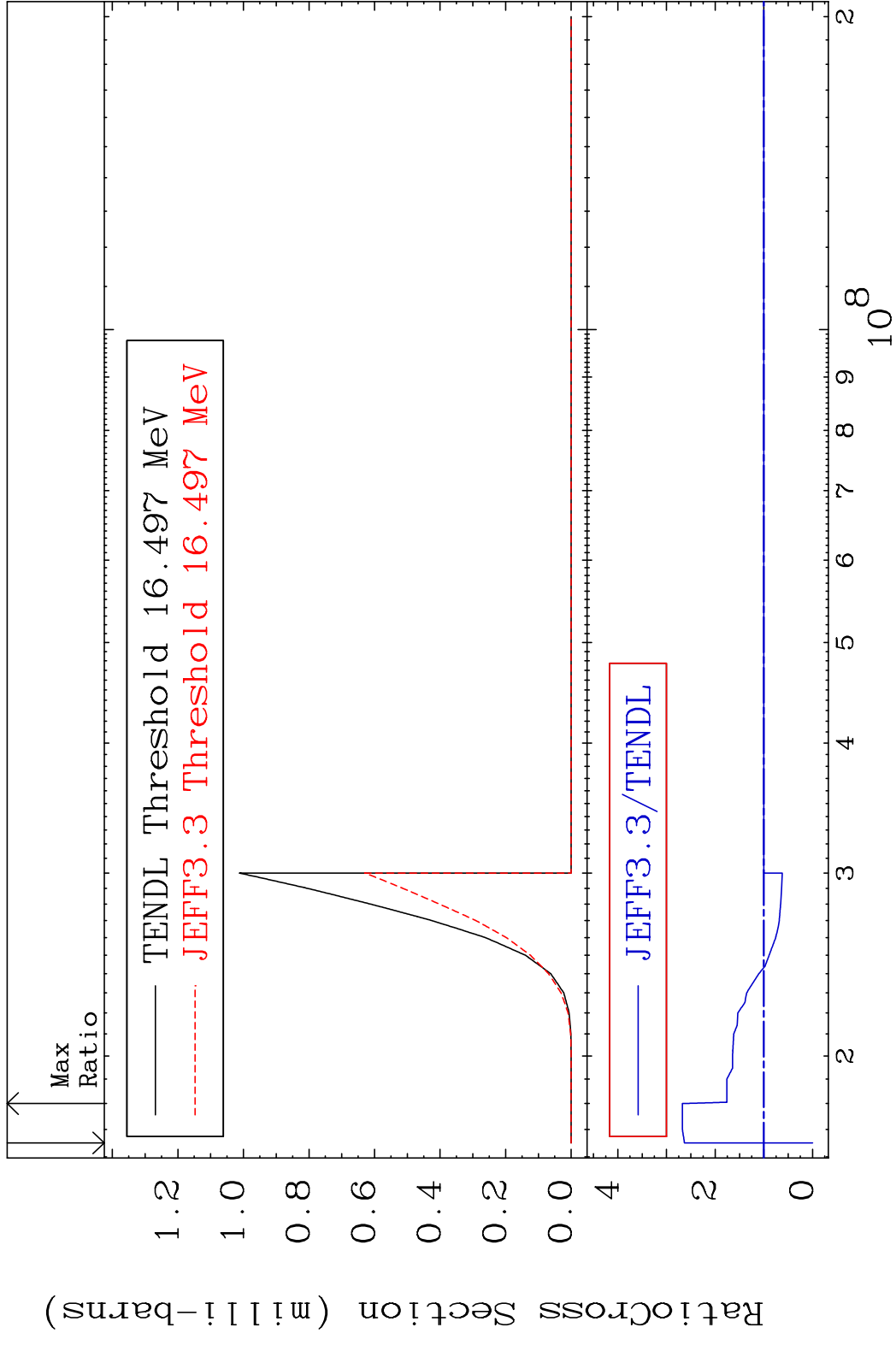
MAT 1928 (n, He-3): 17-Cl-38g 19-K -40
 Radionuclide Production Cross Section 180.01 dth 50.20 %



MAT 1928 (n, He-3): 17-Cl-38m1 19-K -40
 Radionuclide Production Cross Section to 52.45 %



MAT 1928 (n,p) d:17-Cl-38g 19-K -40
 Radionuclide Production Cross Section 1928-01-10 167.5 %



MAT 1928 (n,p) d:17-C1-38m1 19-K -40
 Radionuclide Production Cross Section 151.8 %

