

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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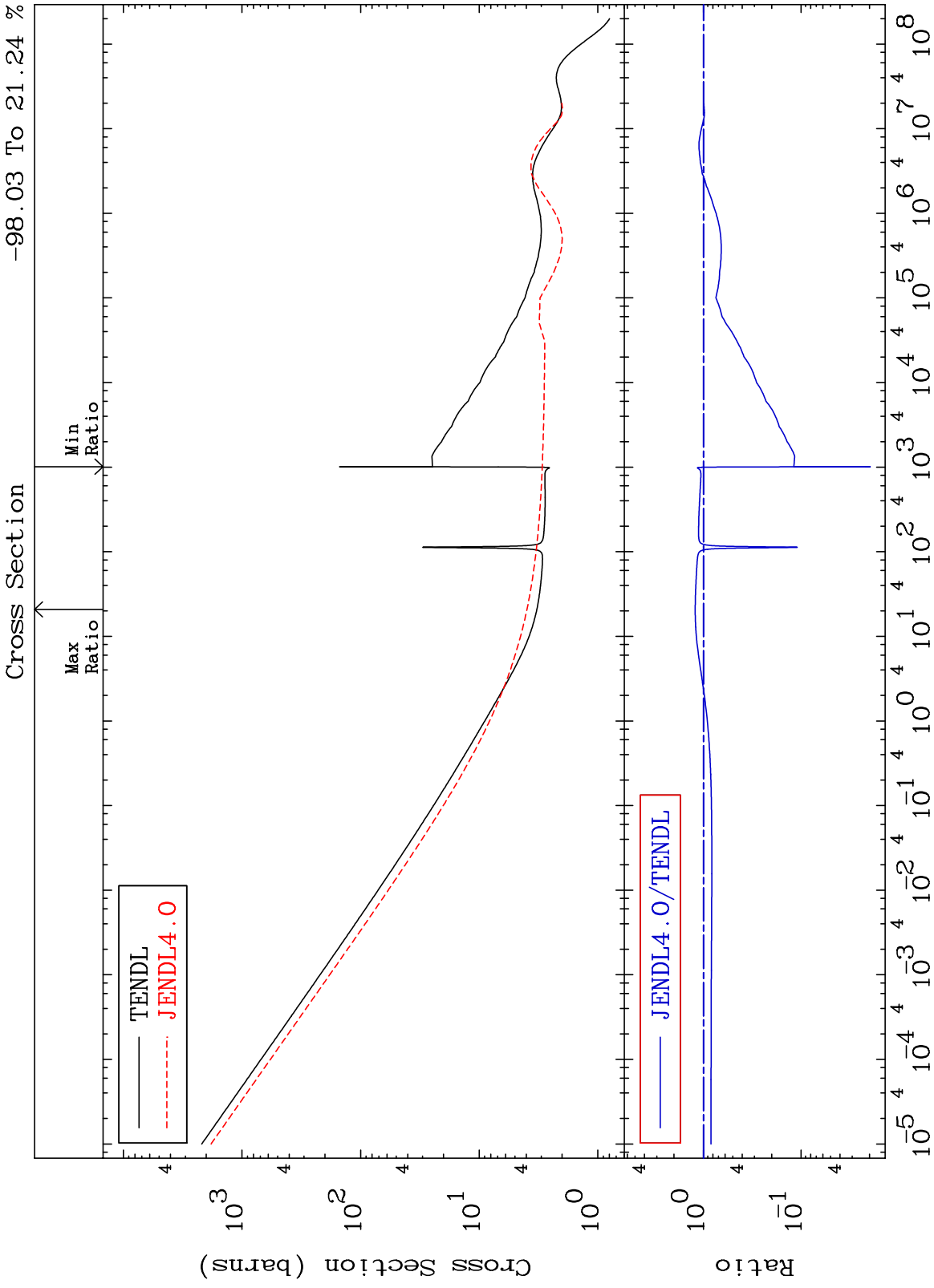
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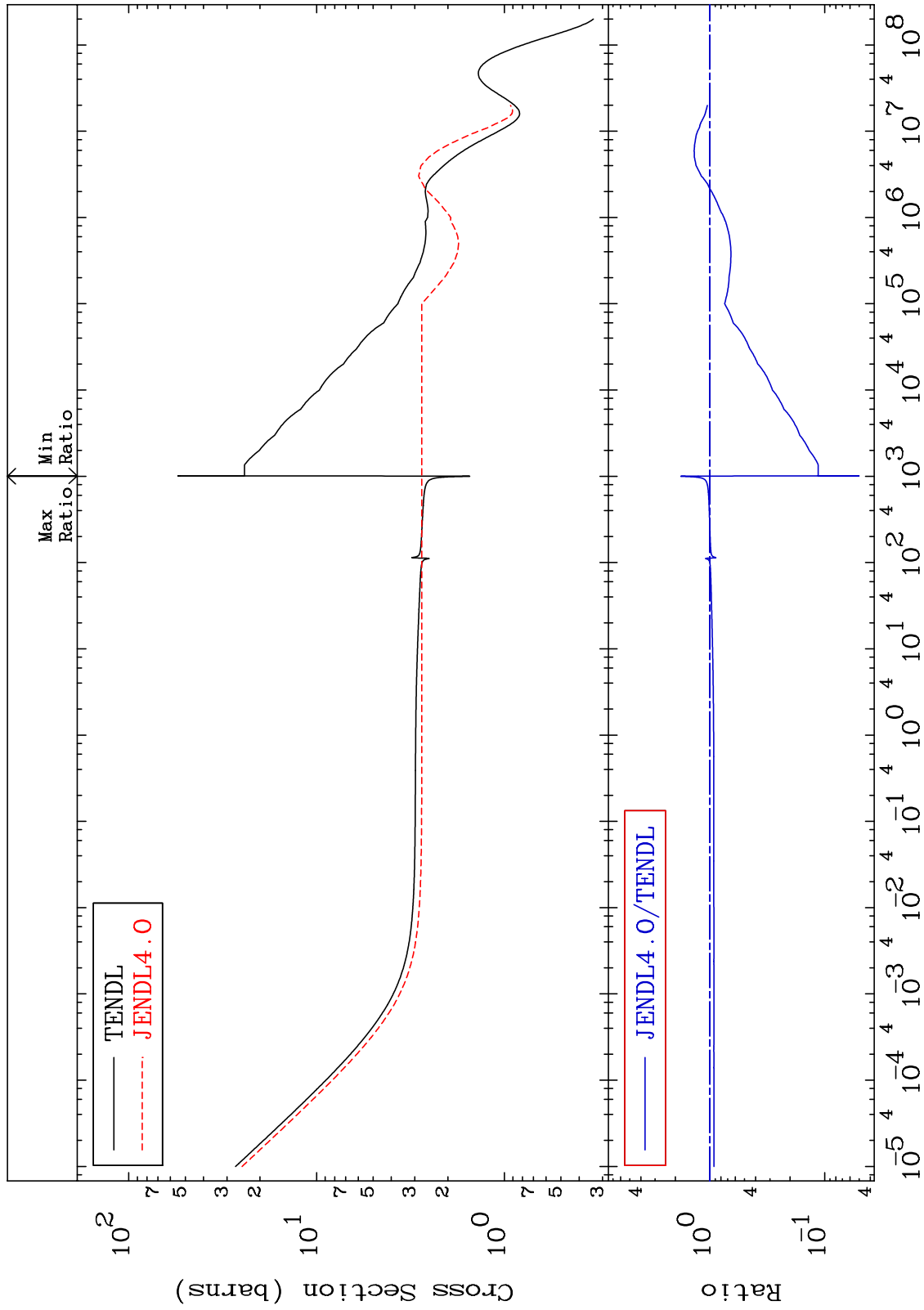
Press Mouse Button to Start

MAT 1928 19-K -40 -98.03 To 21.24 %



19-K -40

MAT 1928 Elastic Cross Section 19-K -40 -94.98 To 79.85 %

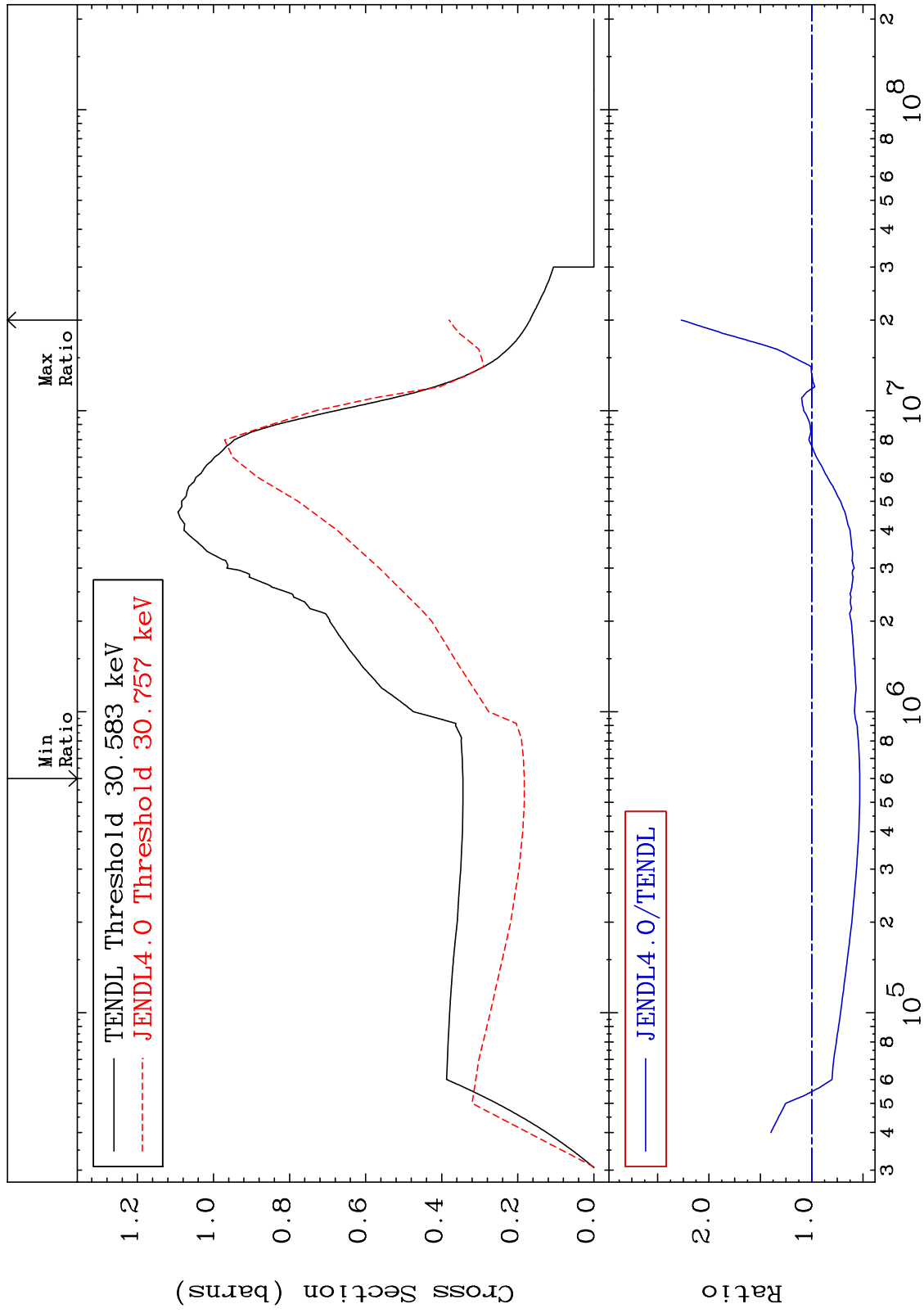


2 19-K -40

MAT 1928

Inelastic
Cross Section

19-K -40
-46.87 To 127.0 %

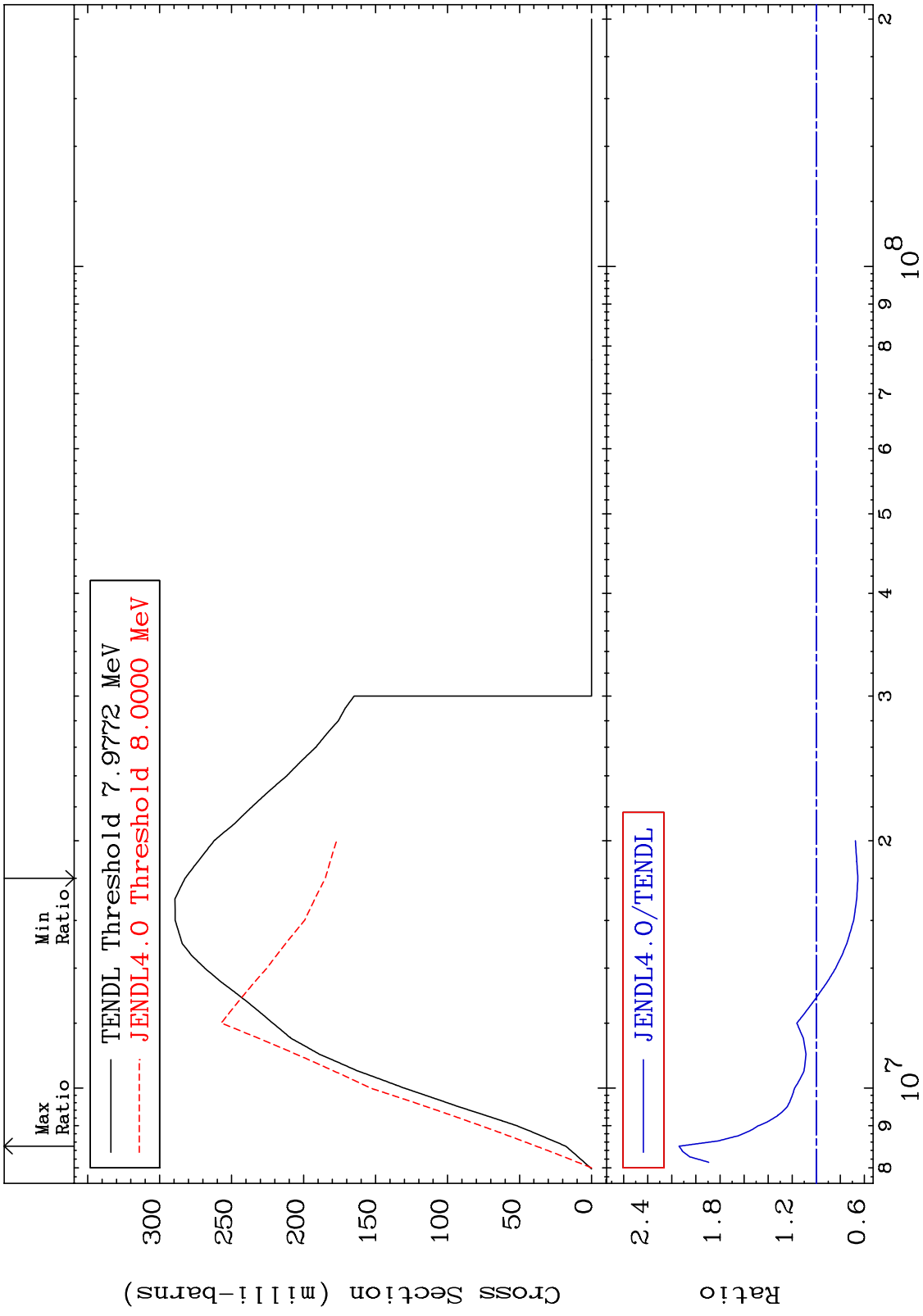


3

Incident Energy (eV)

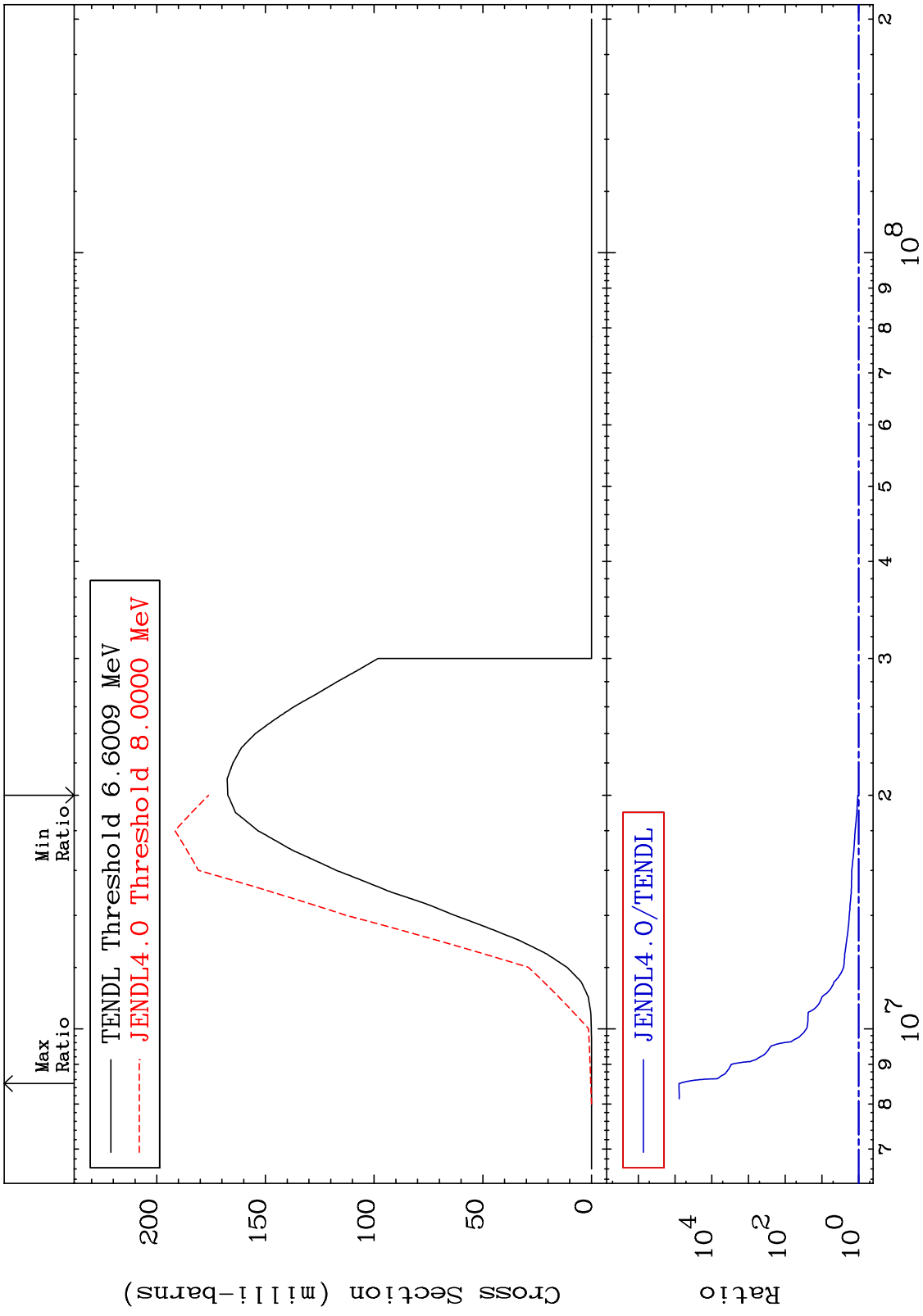
19-K -40

MAT 1928 (n,2n) Cross Section 19-K -40
 -34.51 To 114.0 %

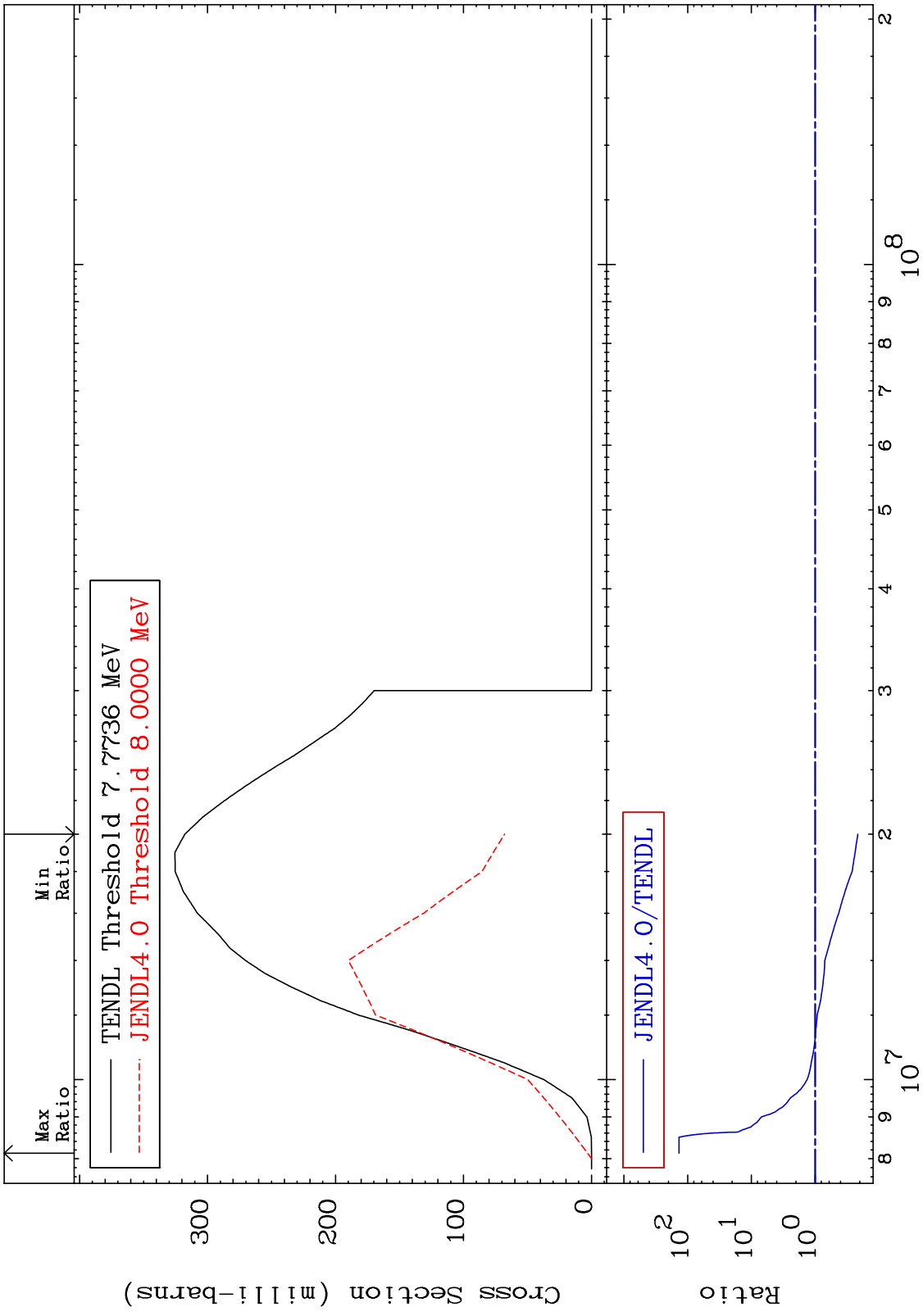


4 Incident Energy (eV) 19-K -40

MAT 1928 (n,n') α 19-K -40
 Cross Section 5.291 To 9999. %

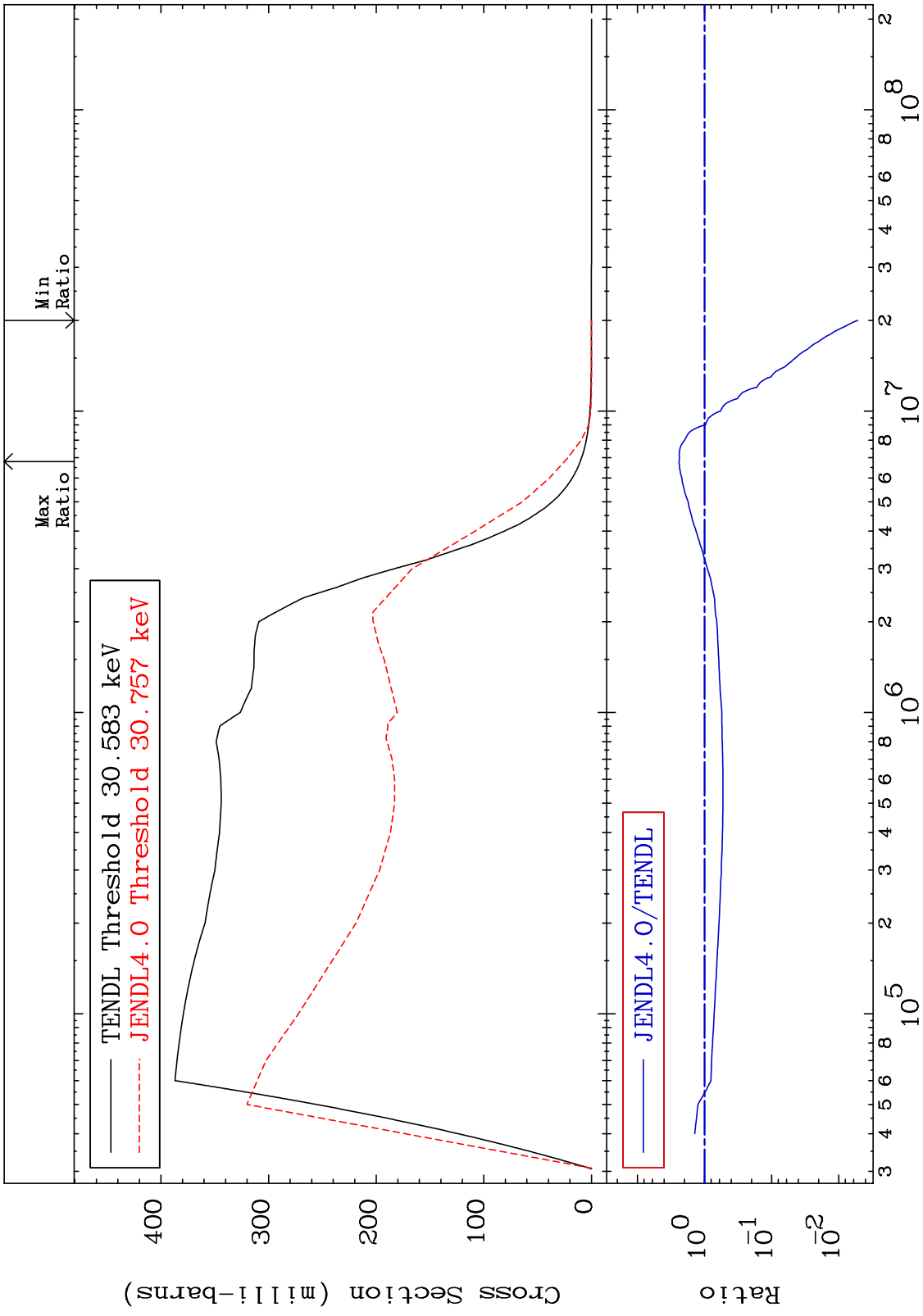


MAT 1928 (n,n') p 19-K -40
 Cross Section -78.63 To 9999. %



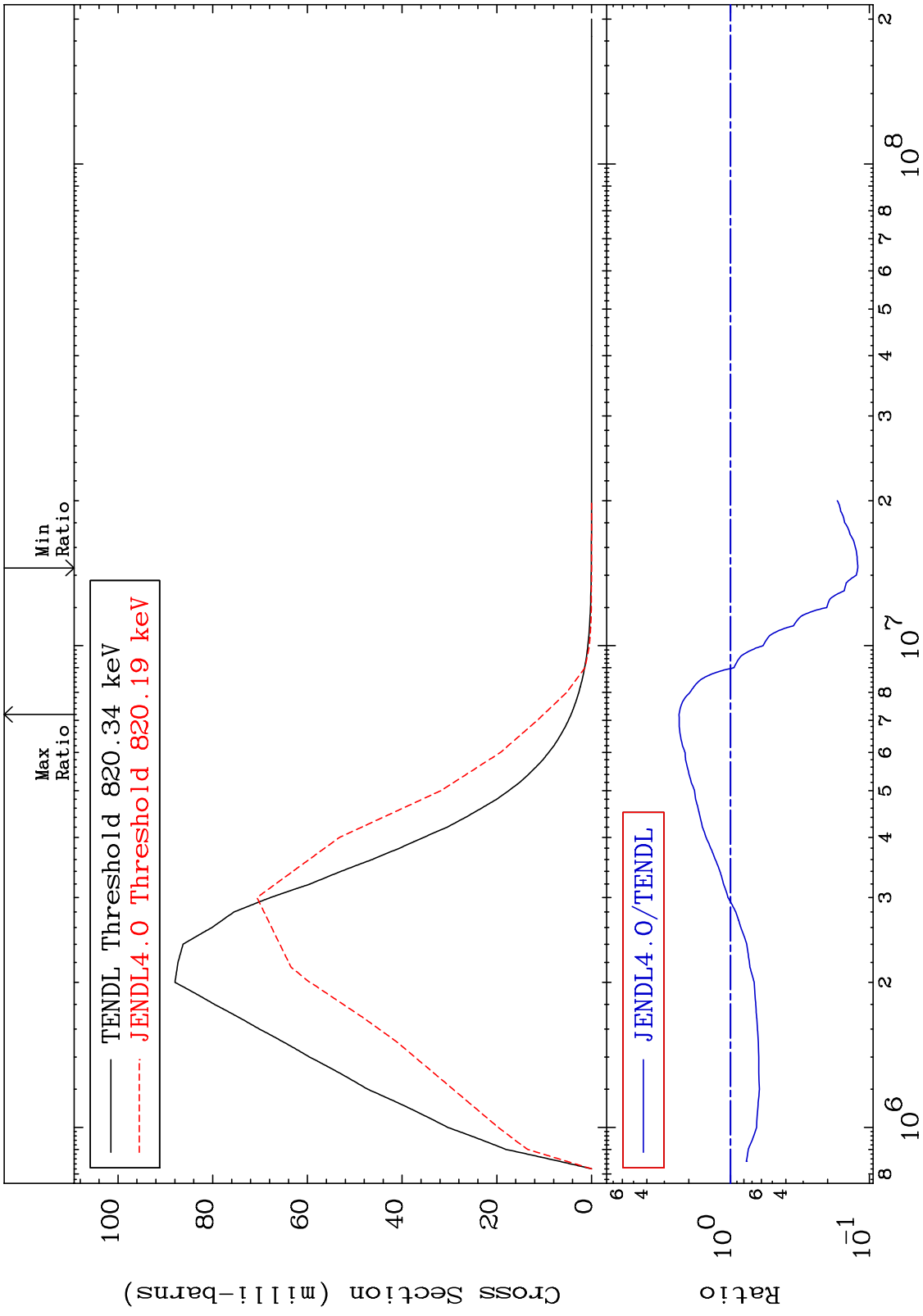
6 19-K -40

MAT 1928 MT= 51 (n,n') Level Cross Section 19-K -40
 -99.48 To 139.9 %



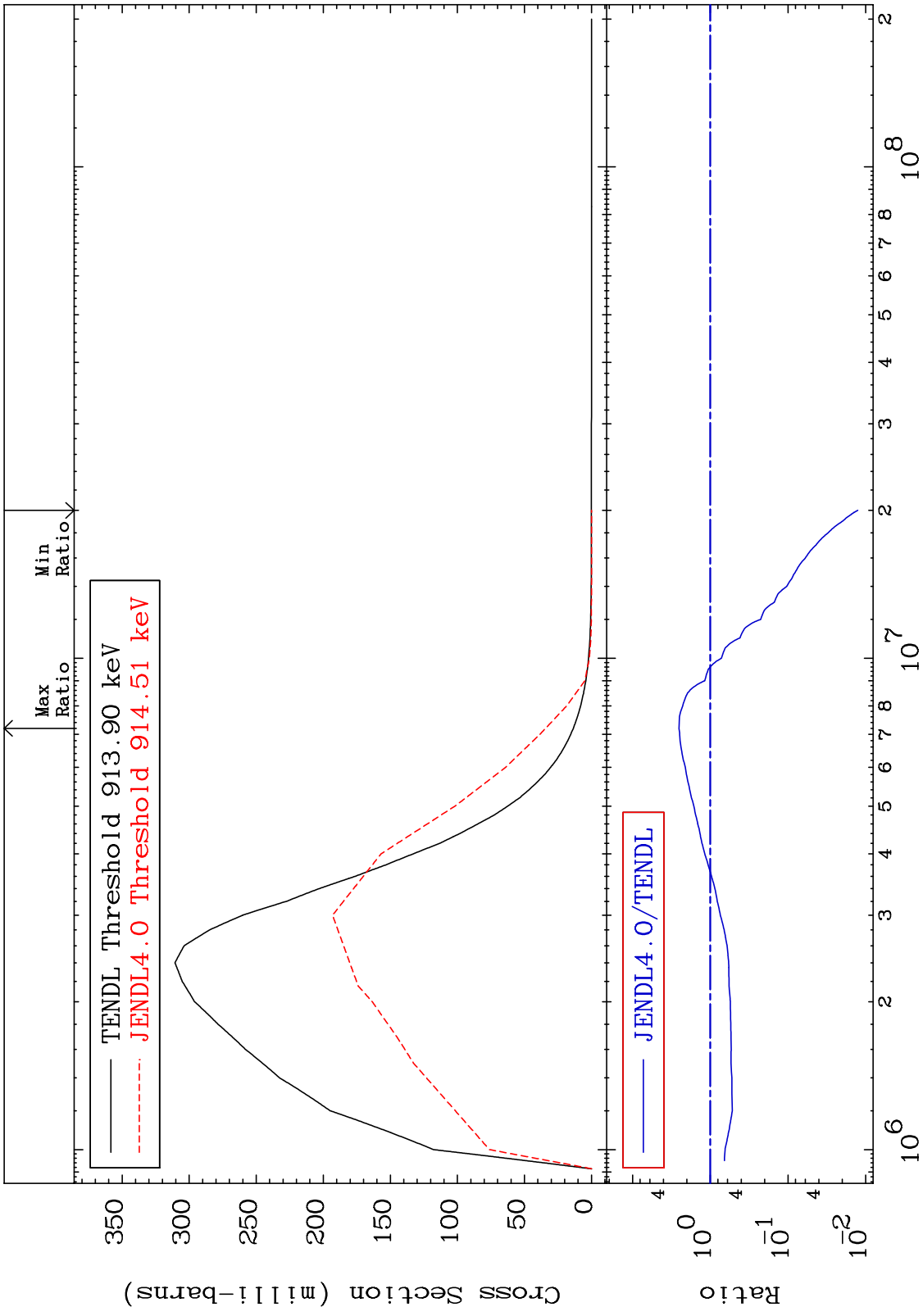
7 Incident Energy (eV) 19-K -40

MAT 1928 MT= 52 (n,n') Level Cross Section -87.88 To 134.8 % 19-K -40



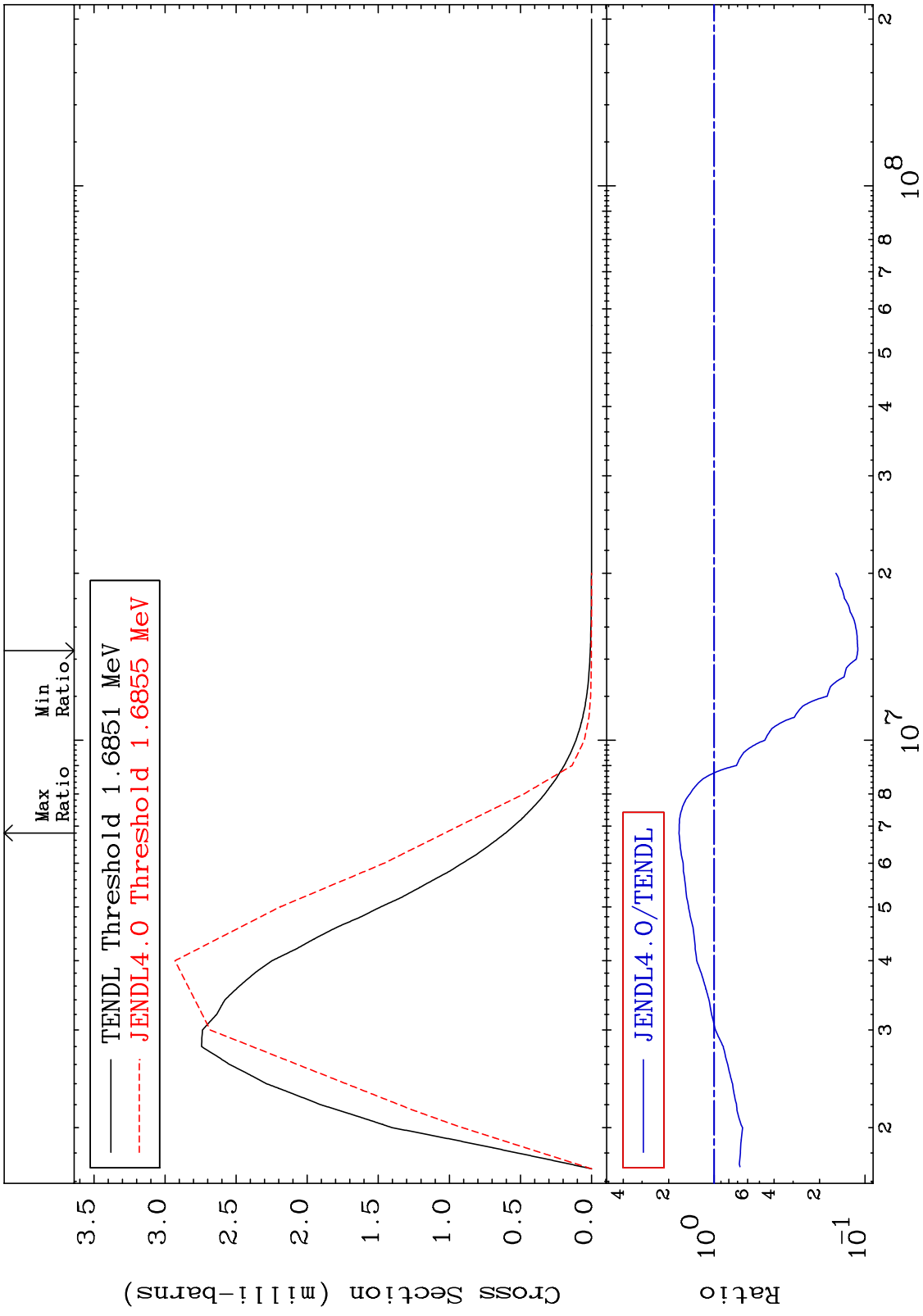
8 10⁶ 10⁷ 10⁸ Incident Energy (eV) 19-K -40

MAT 1928 MT= 53 (n,n') Level Cross Section 19-K -40
 -98.74 To 152.5 %



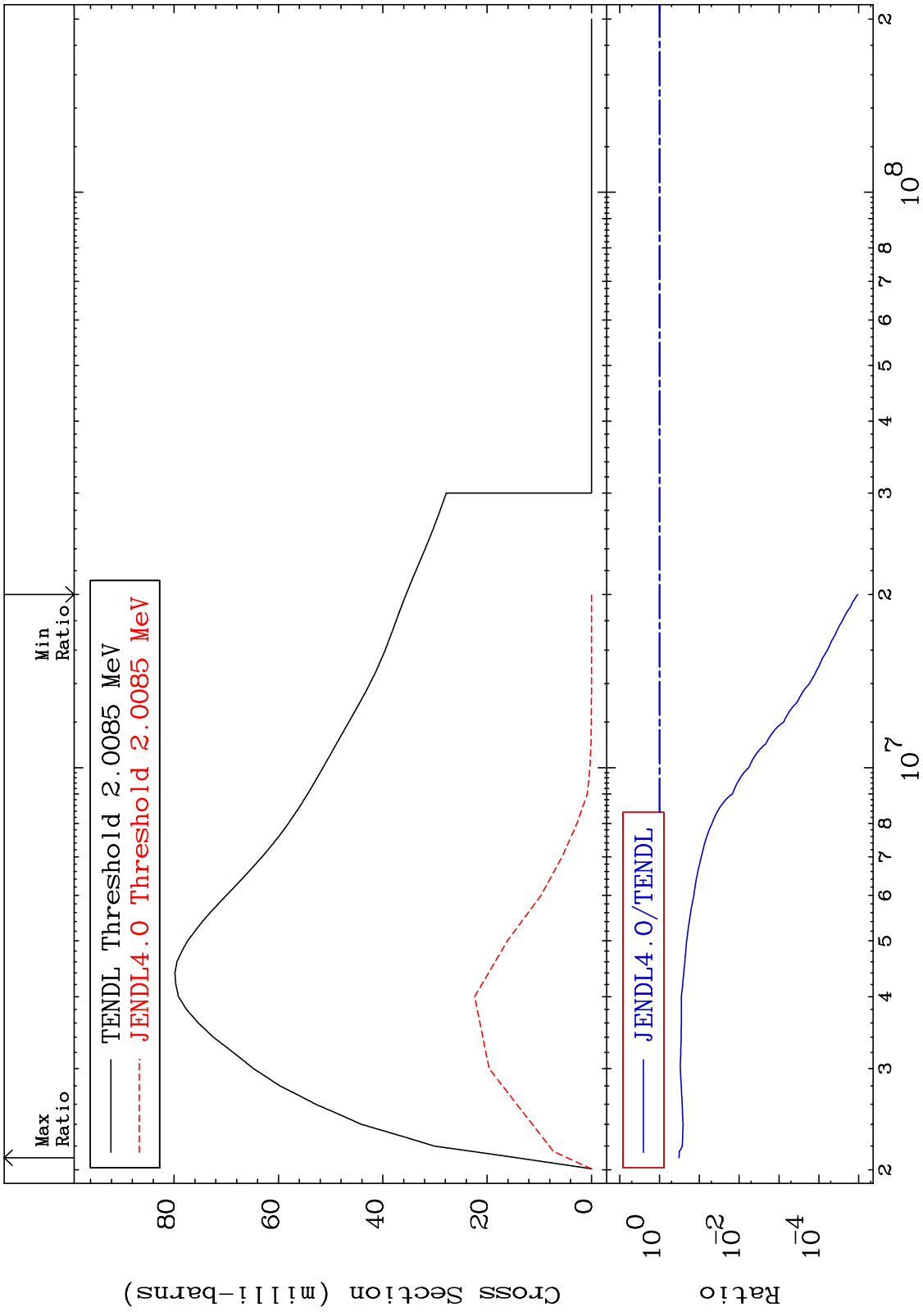
9 Incident Energy (eV) 19-K -40

MAT 1928 MT= 54 (n,n') Level Cross Section 19-K -40
 -88.84 To 70.64 %

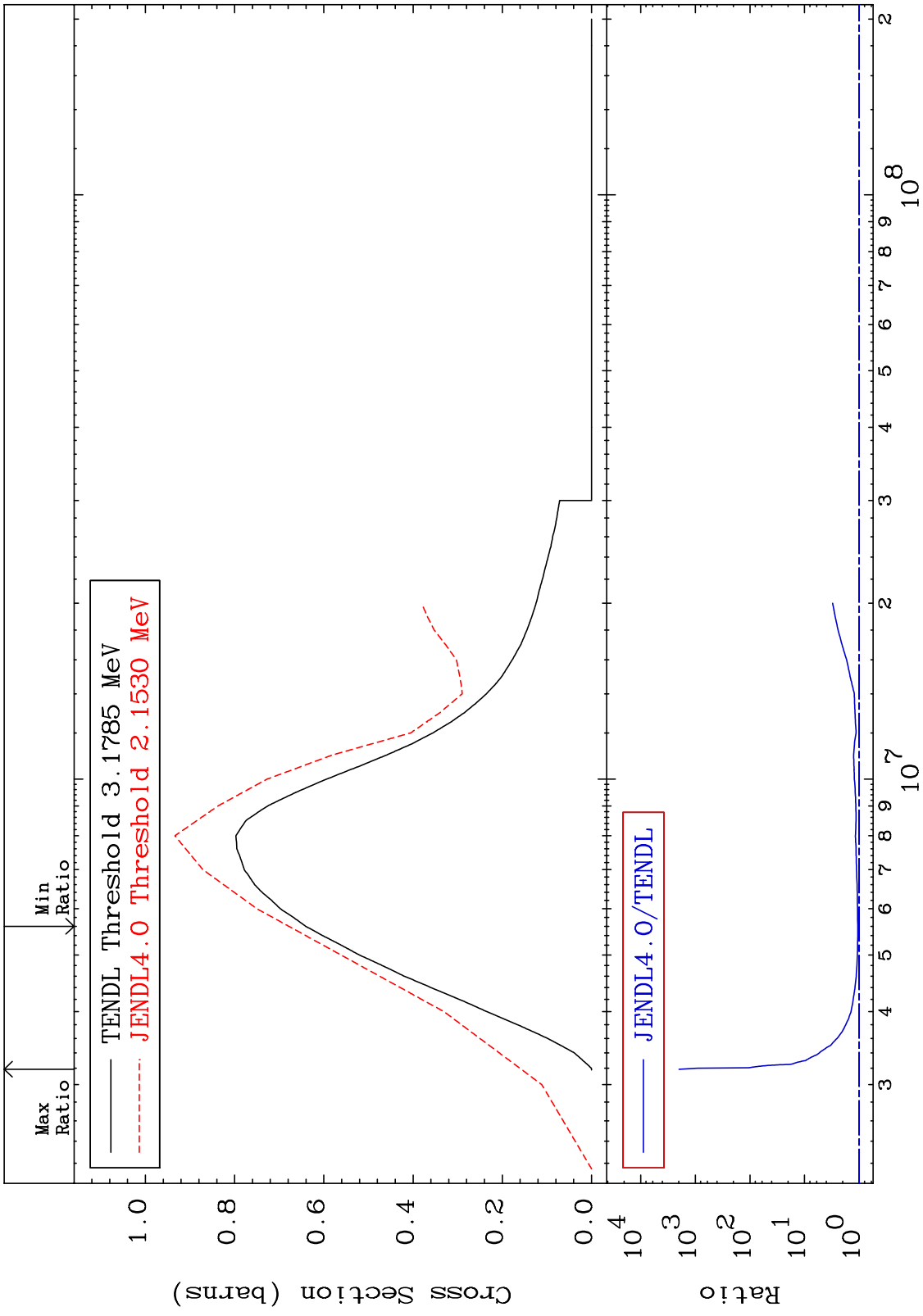


10 19-K -40

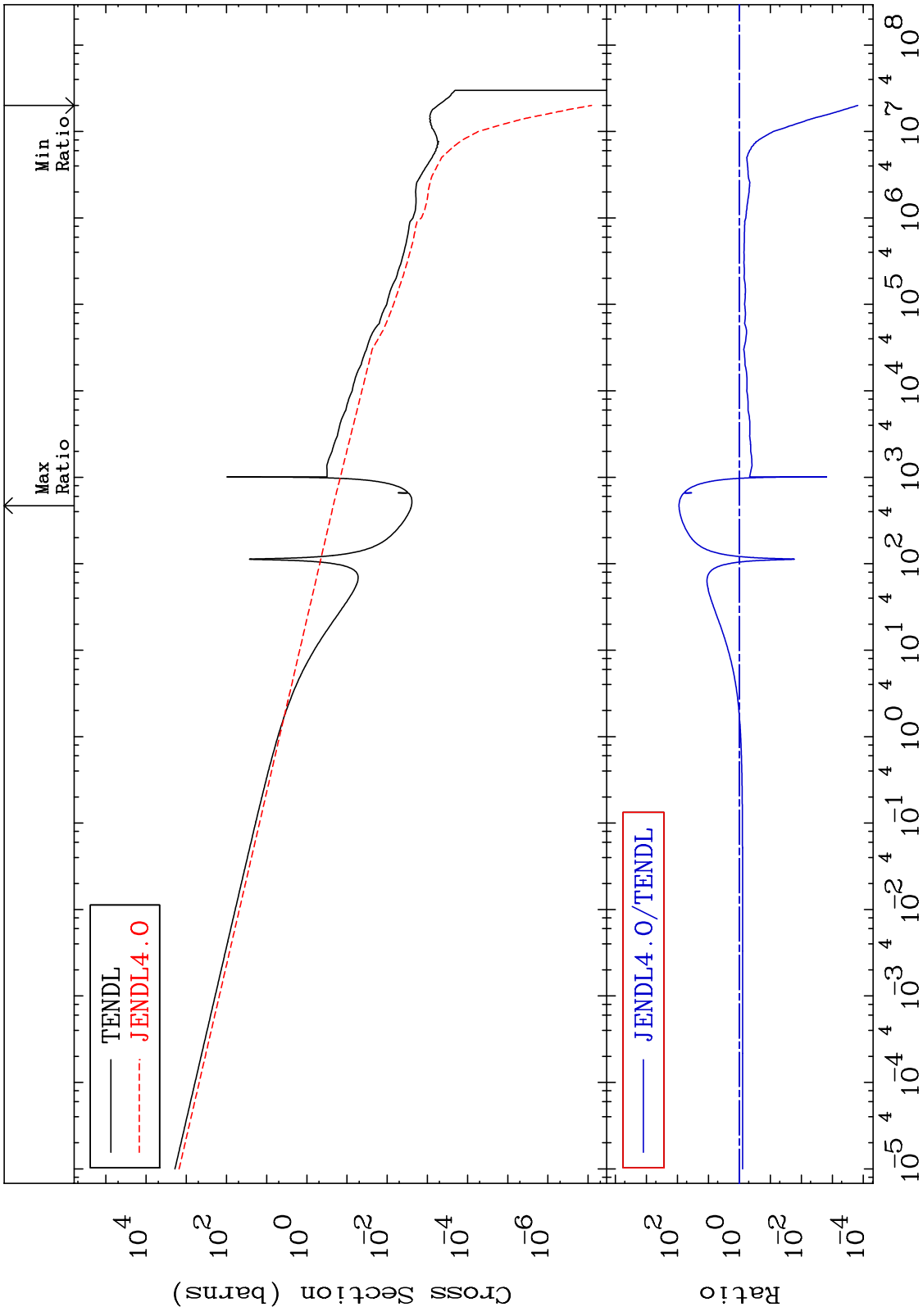
MAT 1928 MT= 55 (n,n') Level Cross Section -100.0 To -67.55% 19-K -40



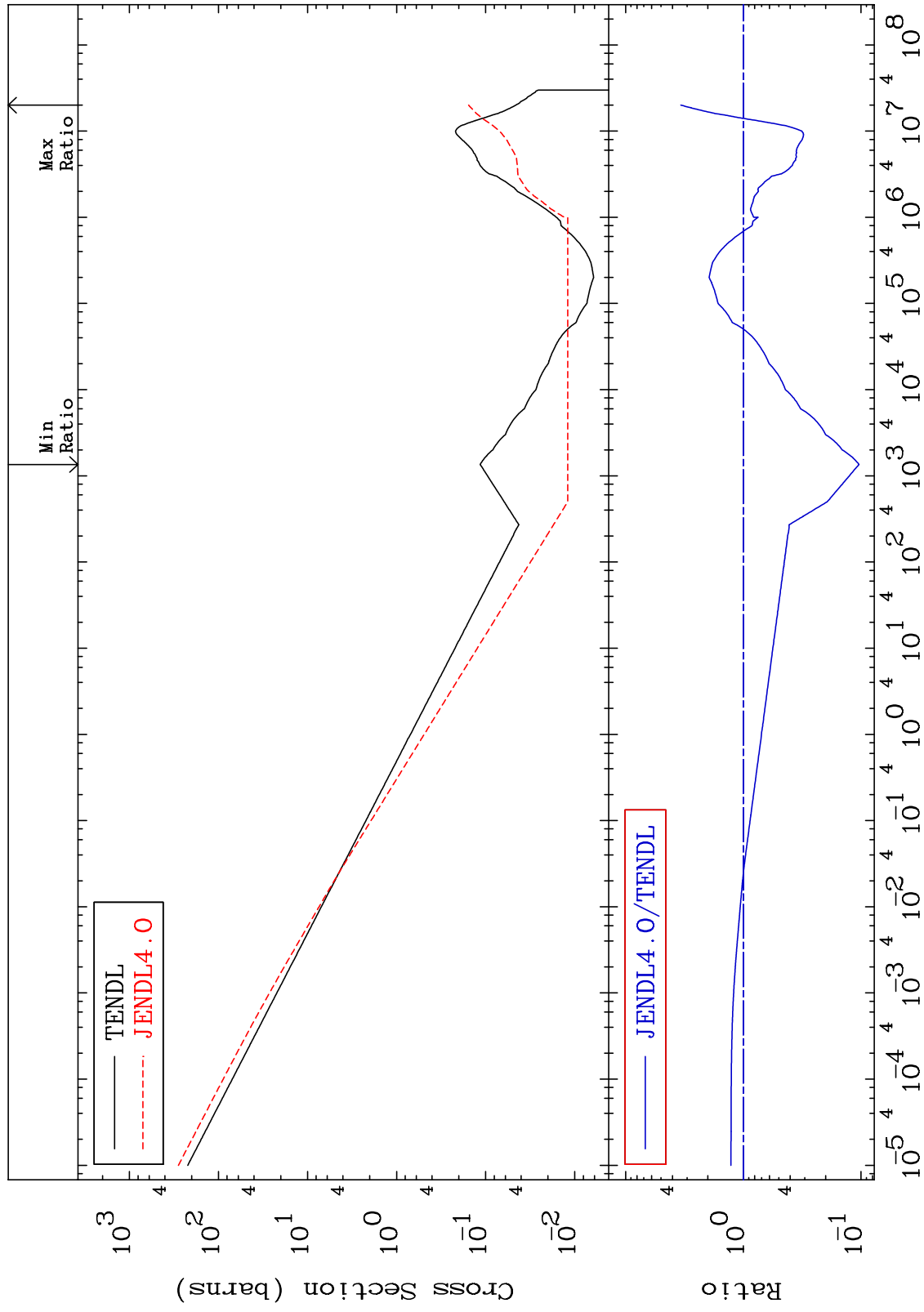
MAT 1928 (n,n') Continuum Cross Section 19-K -40 5.908 To 9999. %



MAT 1928 (n, γ) Cross Section 19-K -40 -99.98 To 8751. %



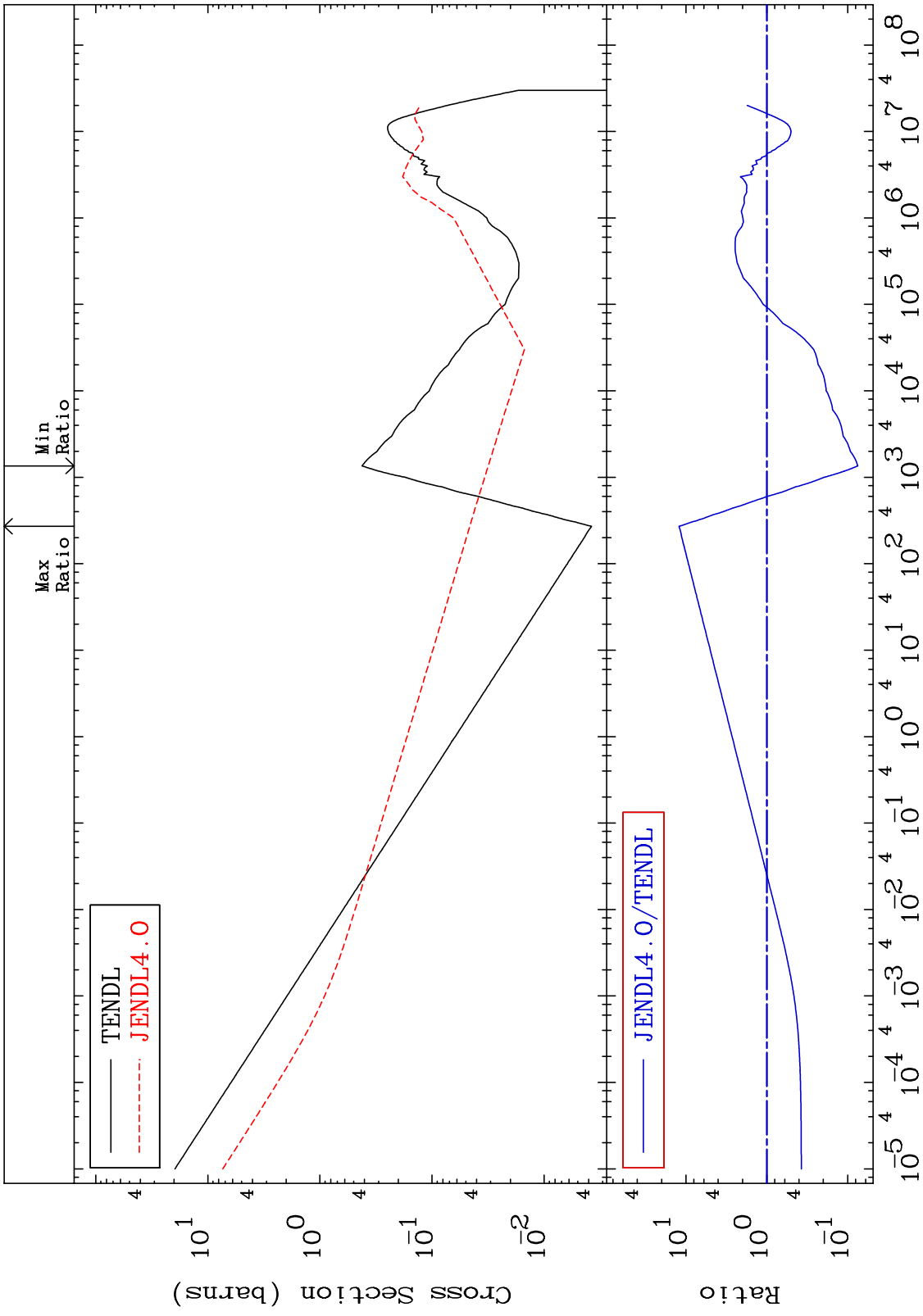
MAT 1928 (n,p) Cross Section 19-K -40 -89.61 To 239.1 %



19-K -40

Incident Energy (eV)

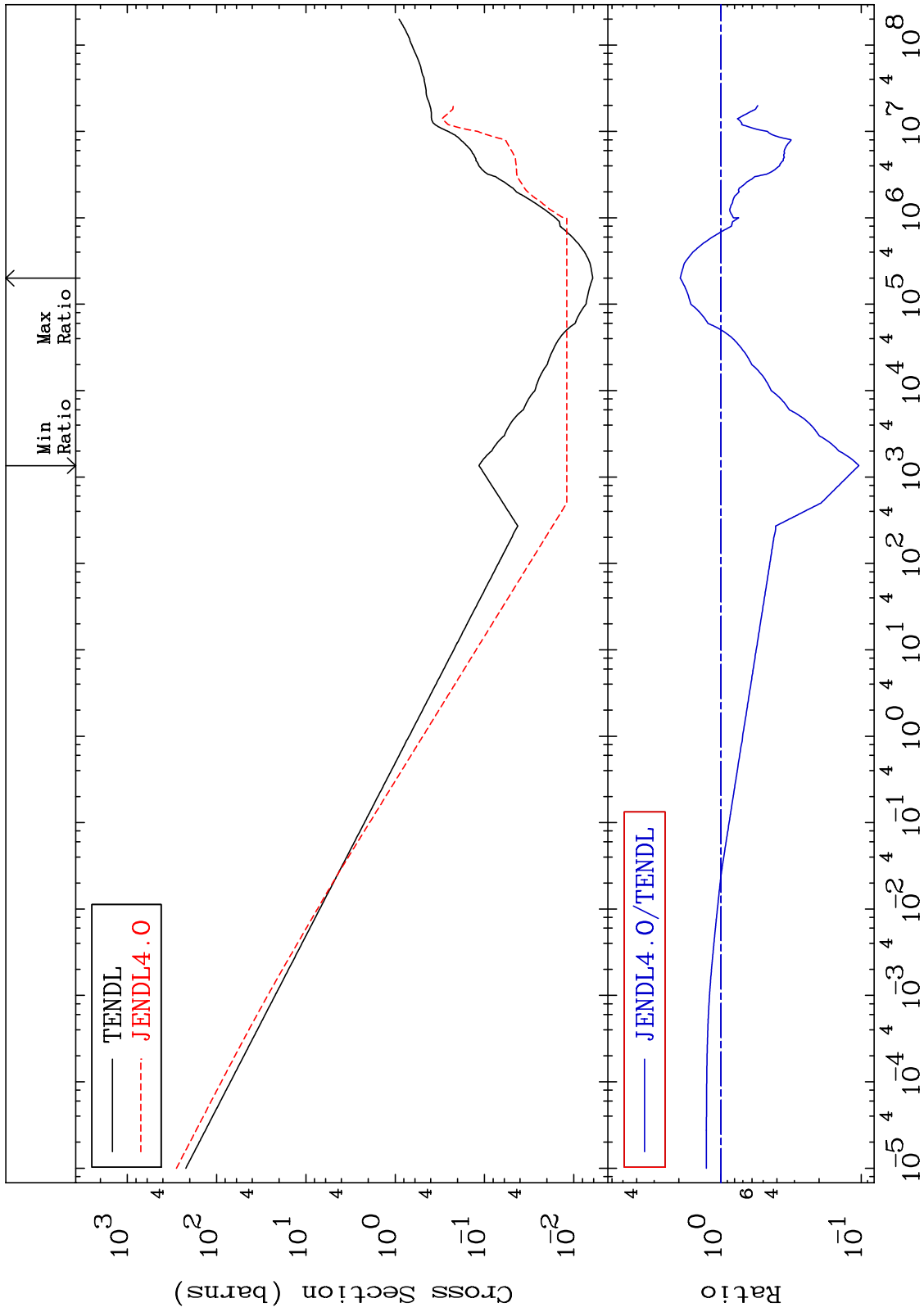
MAT 1928 (n, α) 19-K -40 -92.51 To 1119. %



MAT 1928

Hydrogen Production
Cross Section

19-K -40
-89.61 To 95.44 %

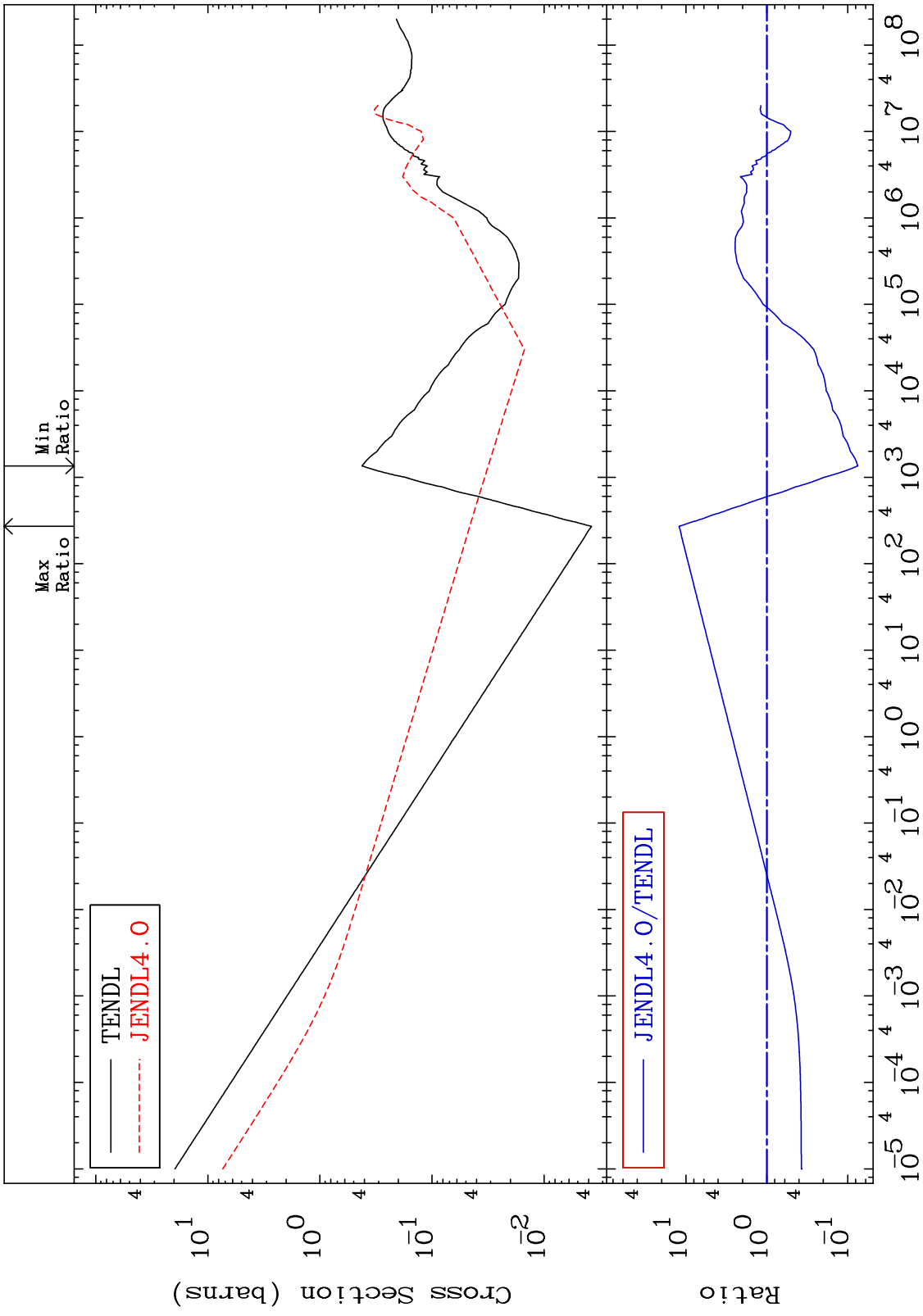


16

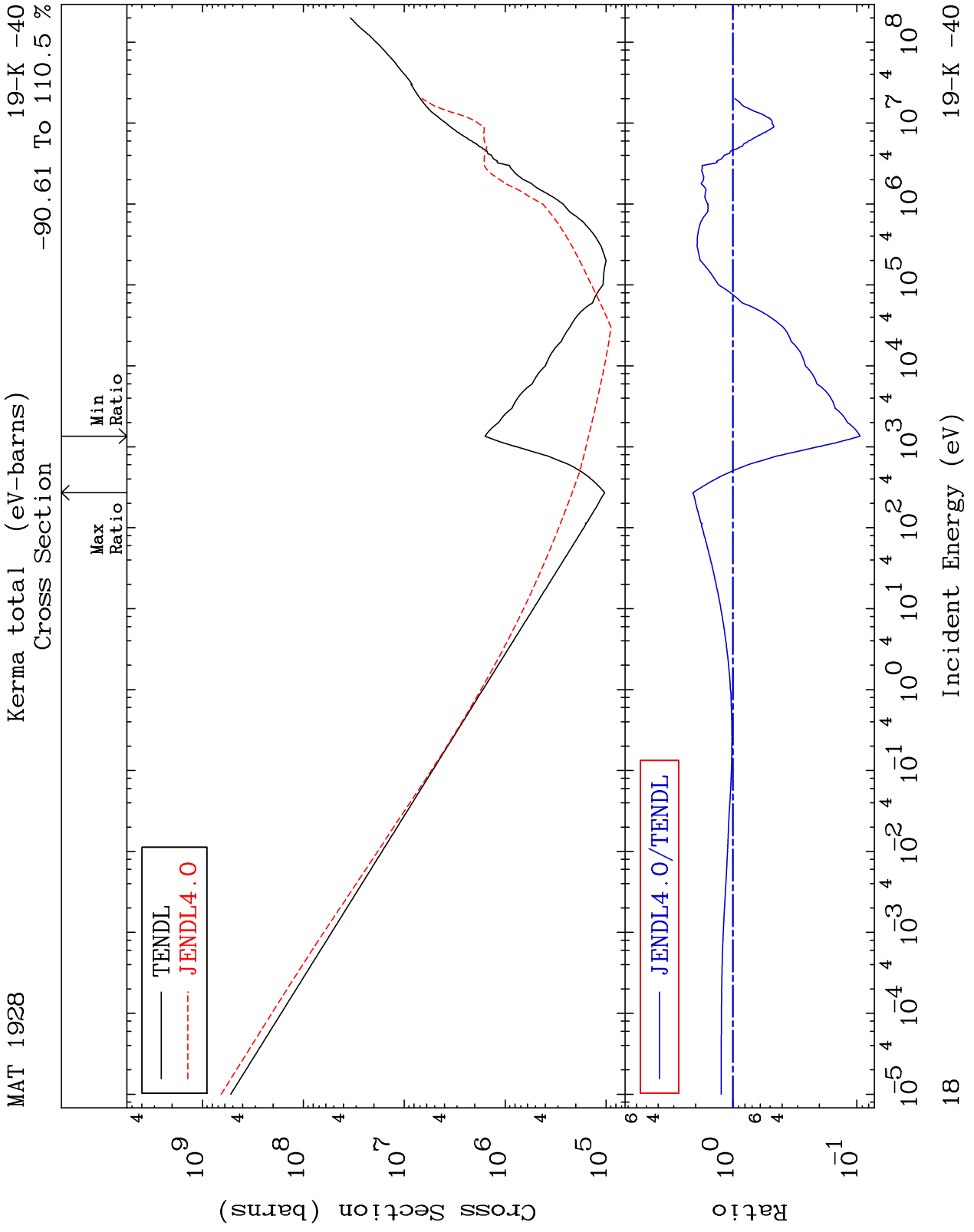
Incident Energy (eV)

19-K -40

MAT 1928 He-4 Production Cross Section 19-K -40 -92.51 To 1119. %



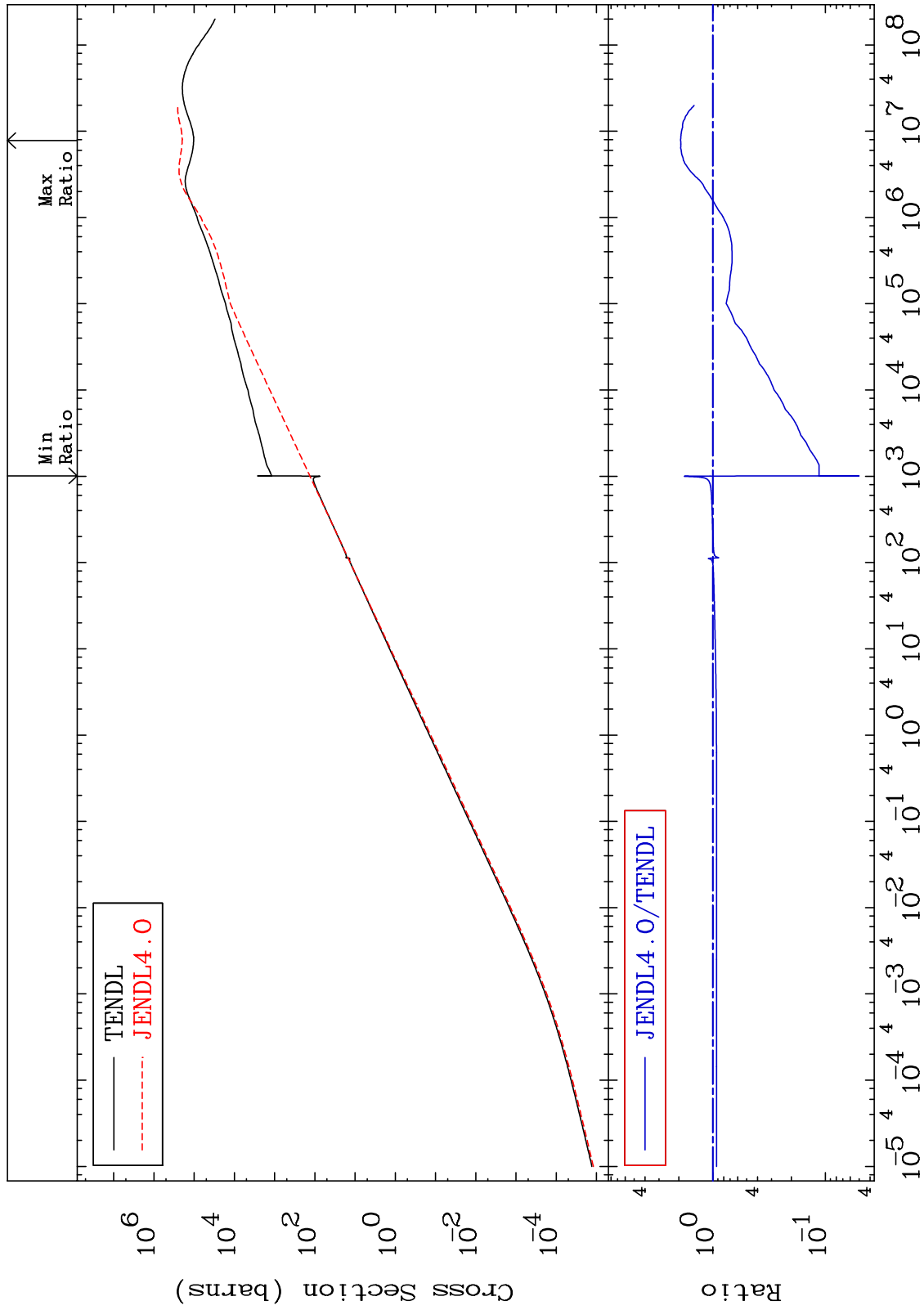
17 19-K -40



MAT 1928

Kerma elastic
Cross Section

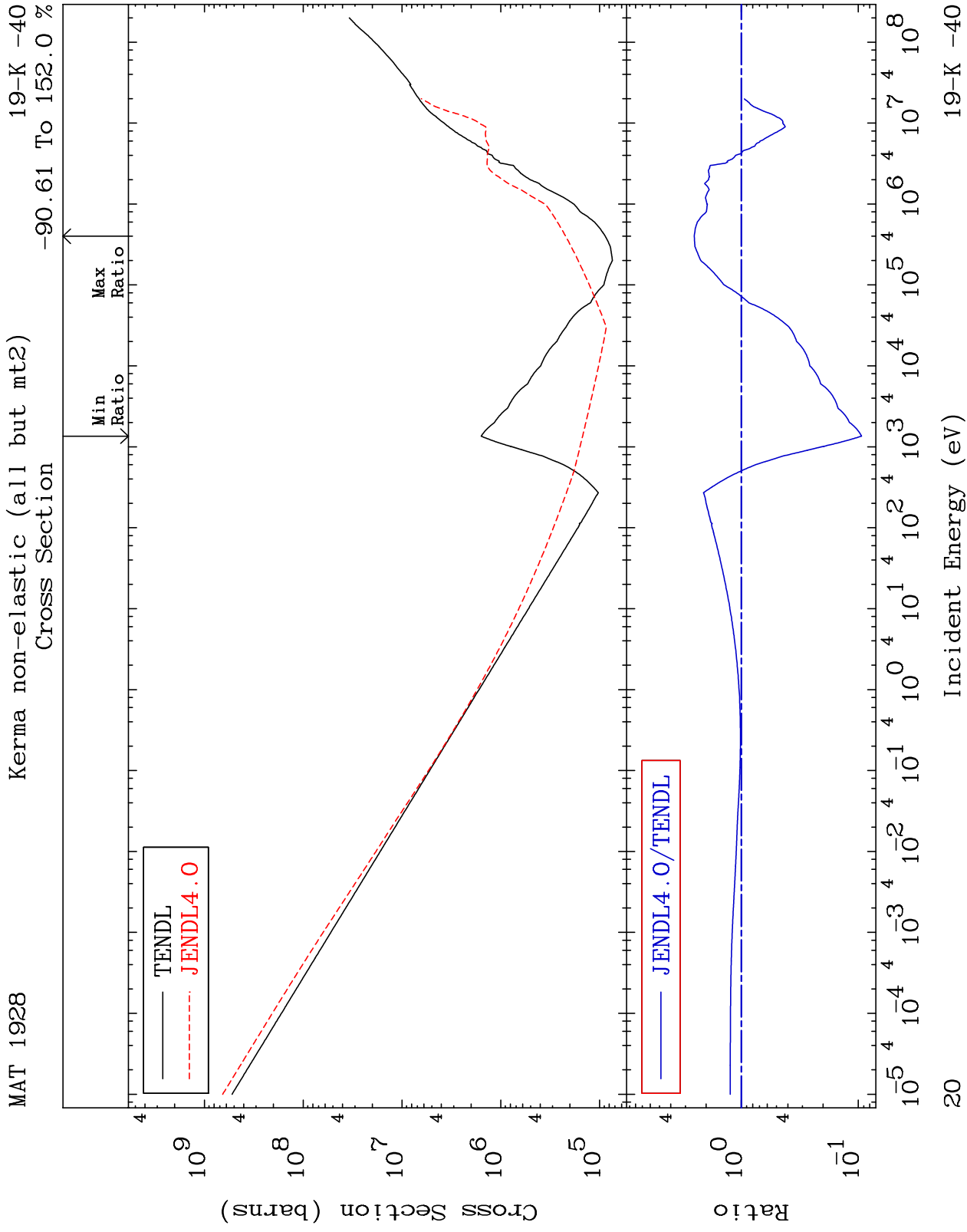
19-K -40
-94.98 To 92.83 %



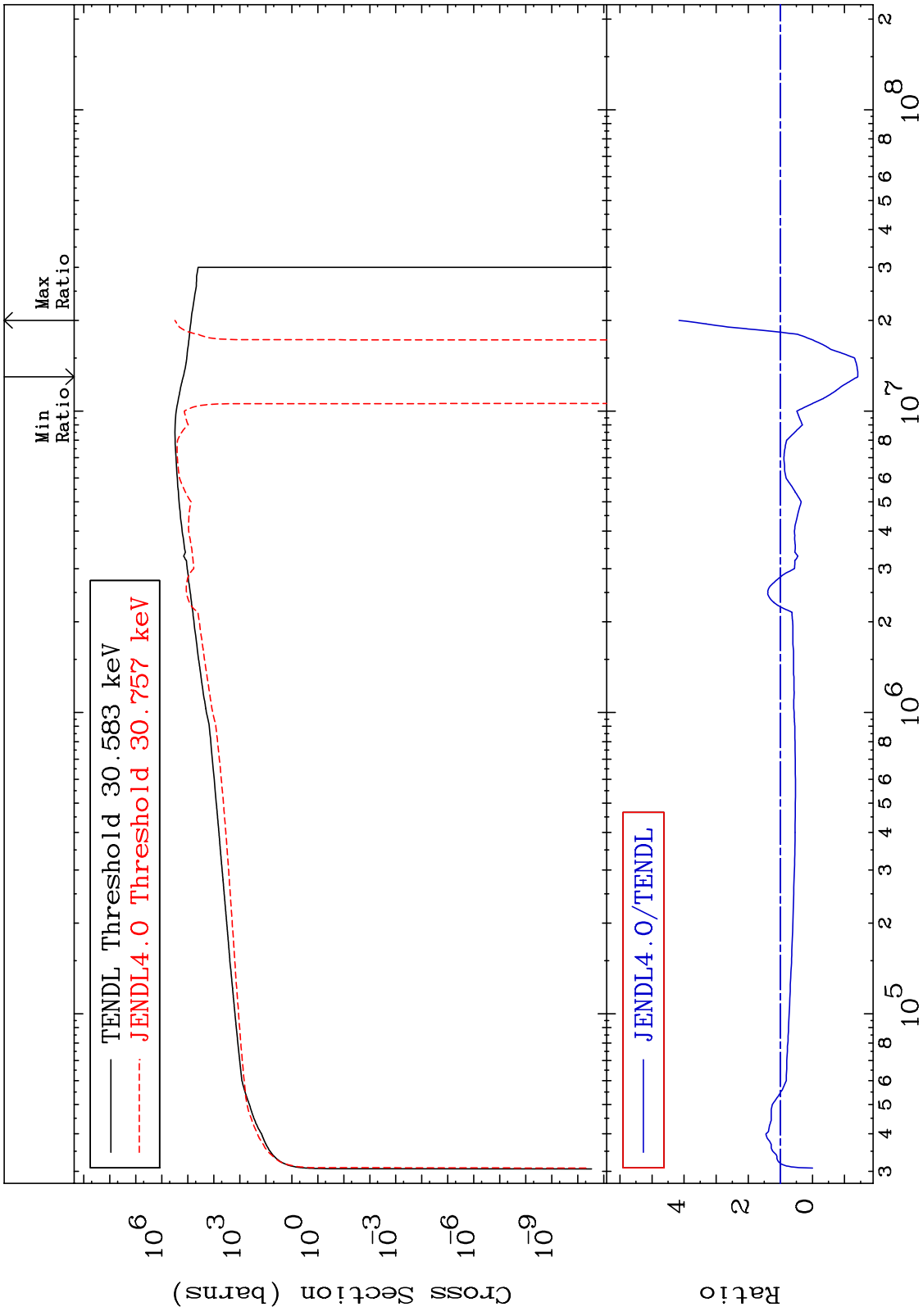
19

Incident Energy (eV)

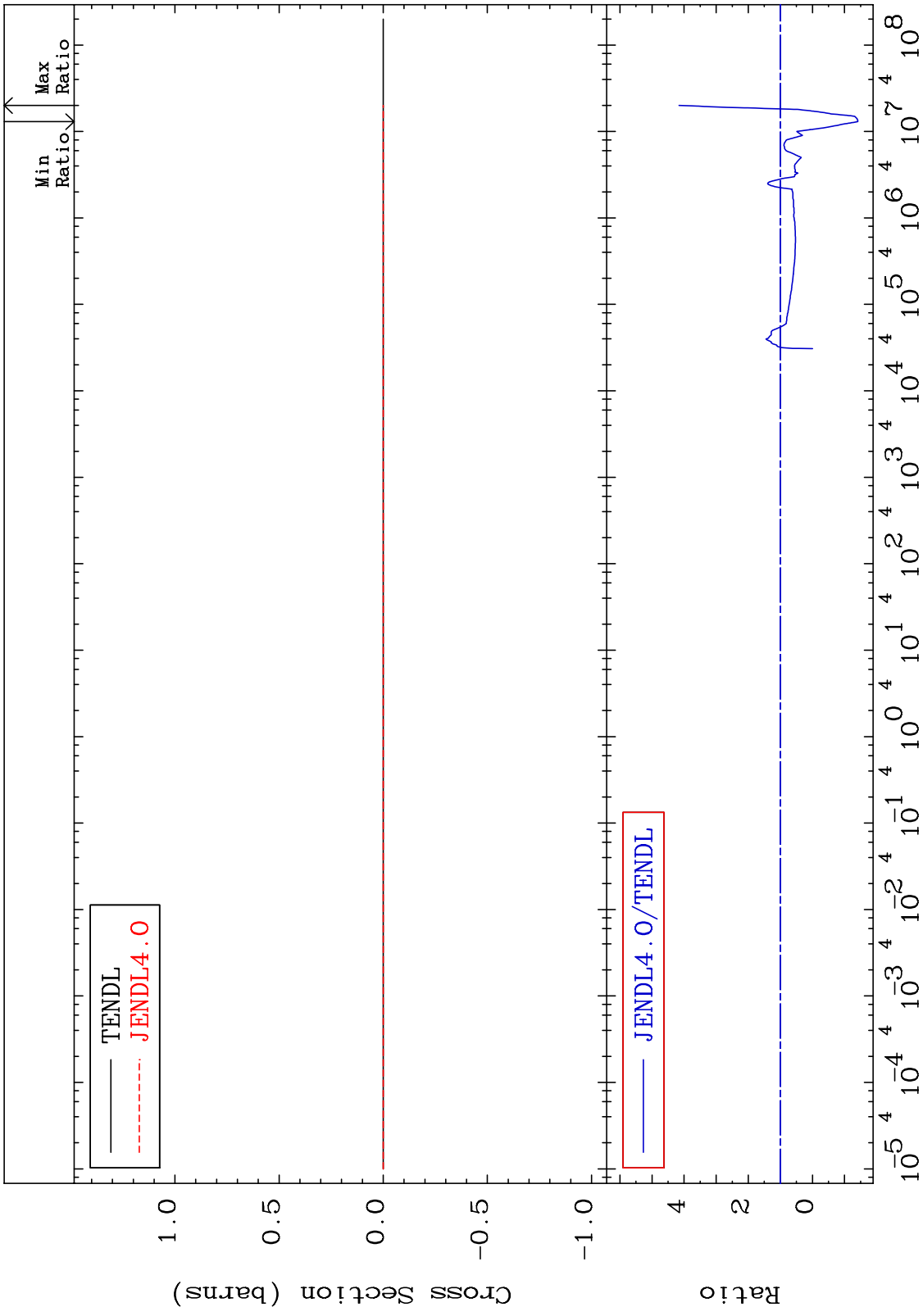
19-K -40



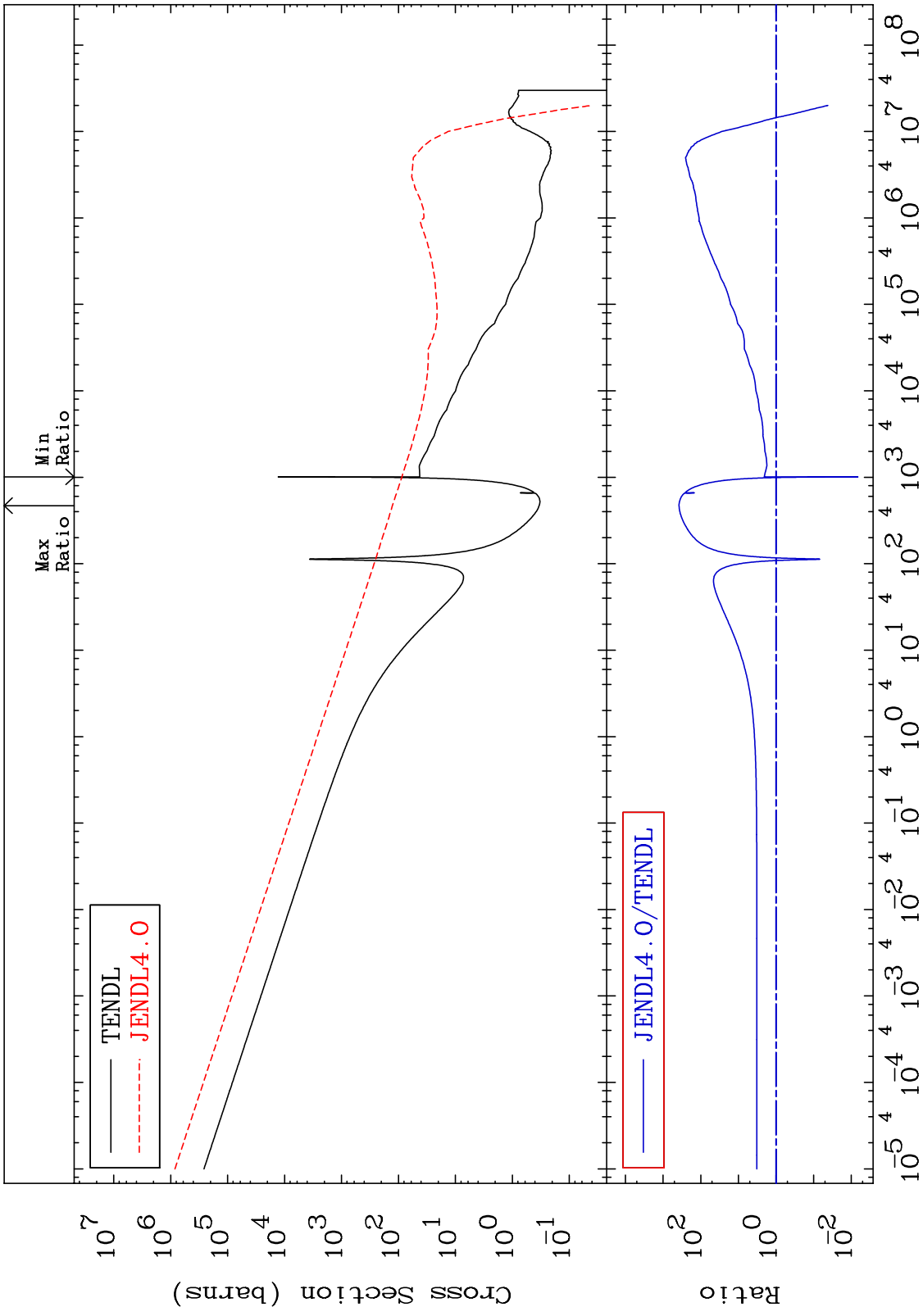
MAT 1928 Kerma inelastic (mt51-91) 19-K -40
 -241.4 To 315.8 %
 Cross Section



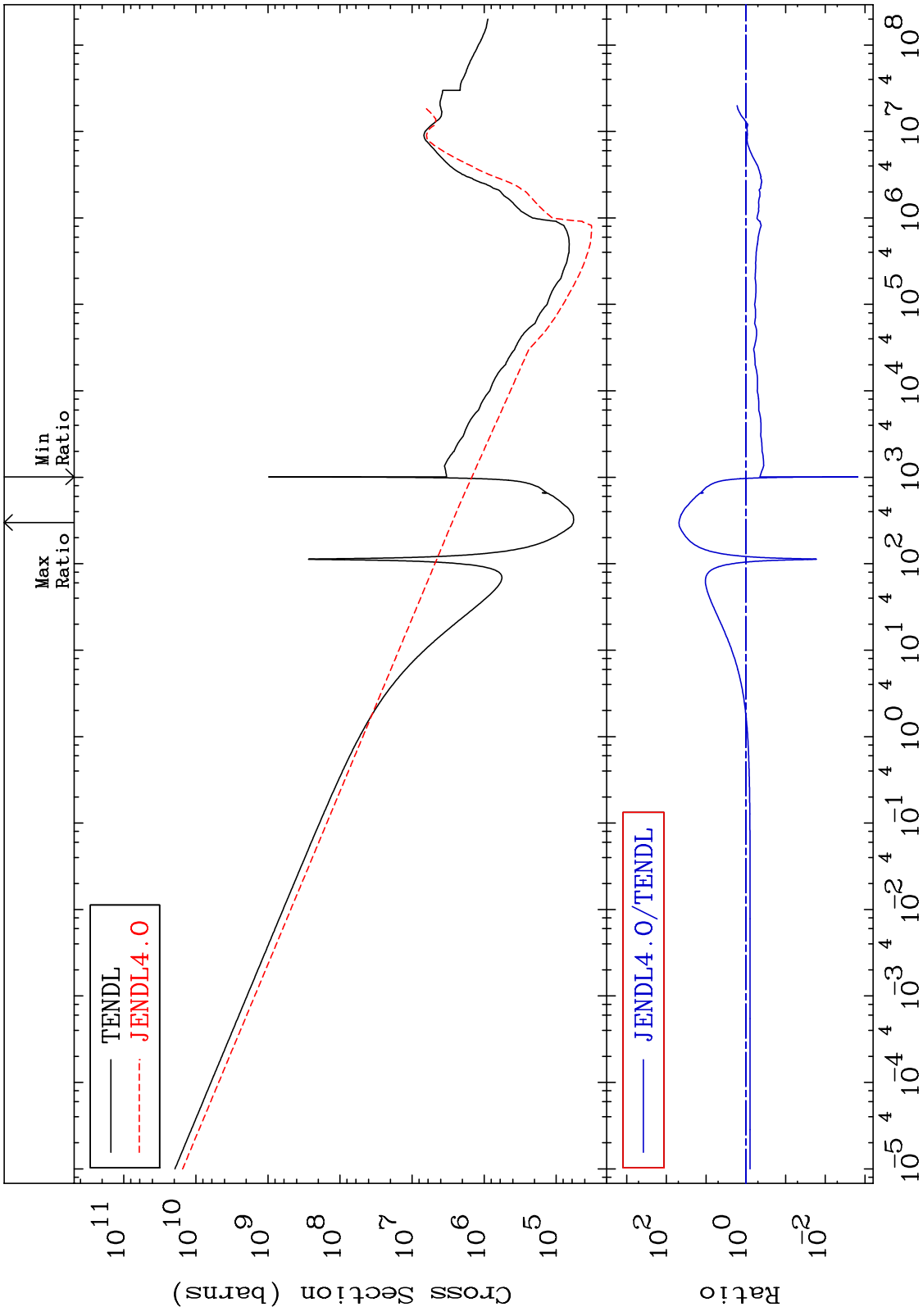
MAT 1928 Kerma fission (mt18 or mt19-20-21-38) 19-K -40
 Cross Section -241.4 To 315.8 %



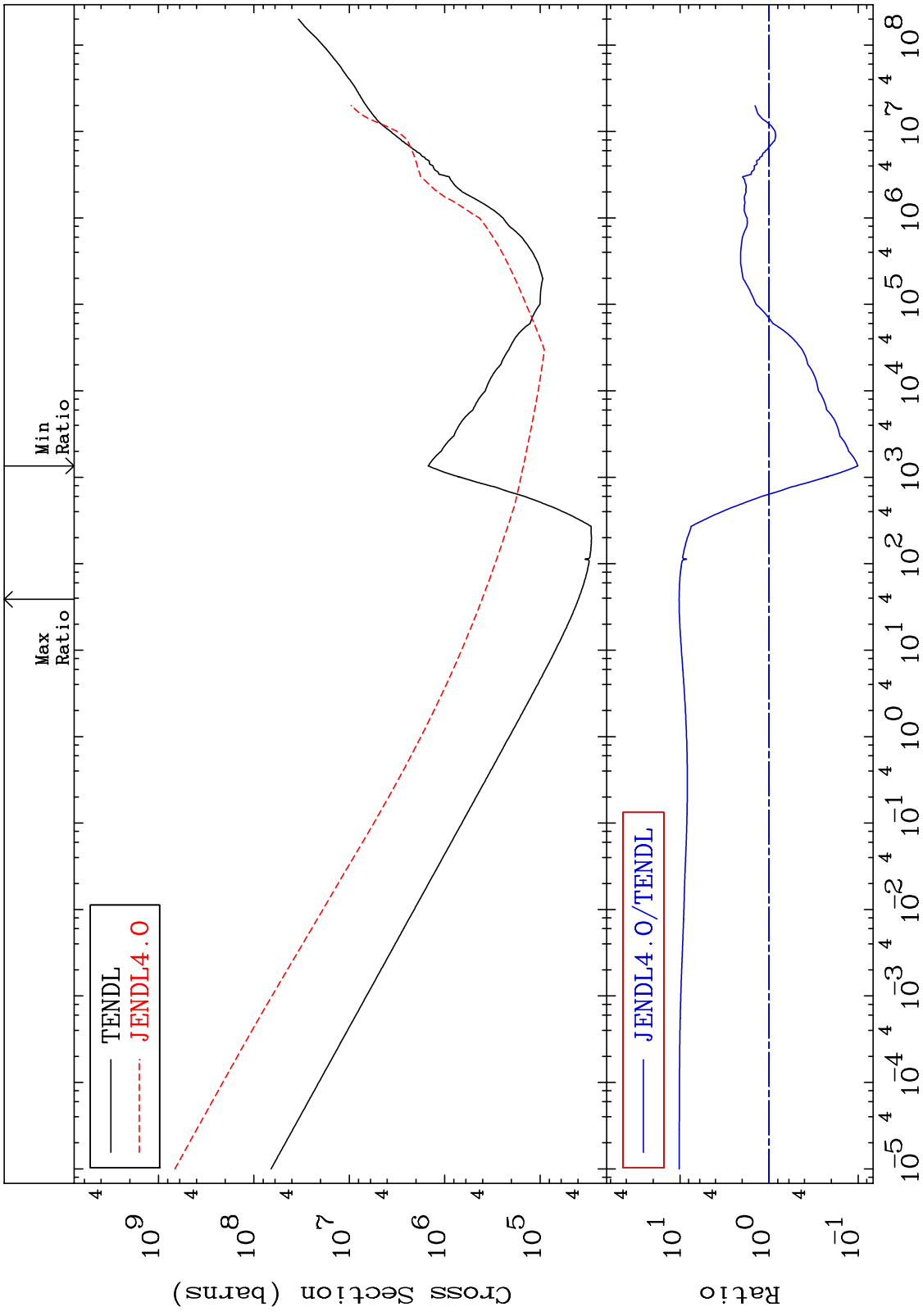
MAT 1928 Kerma capture (mt102) 19-K -40
 -99.33 To 9999. %



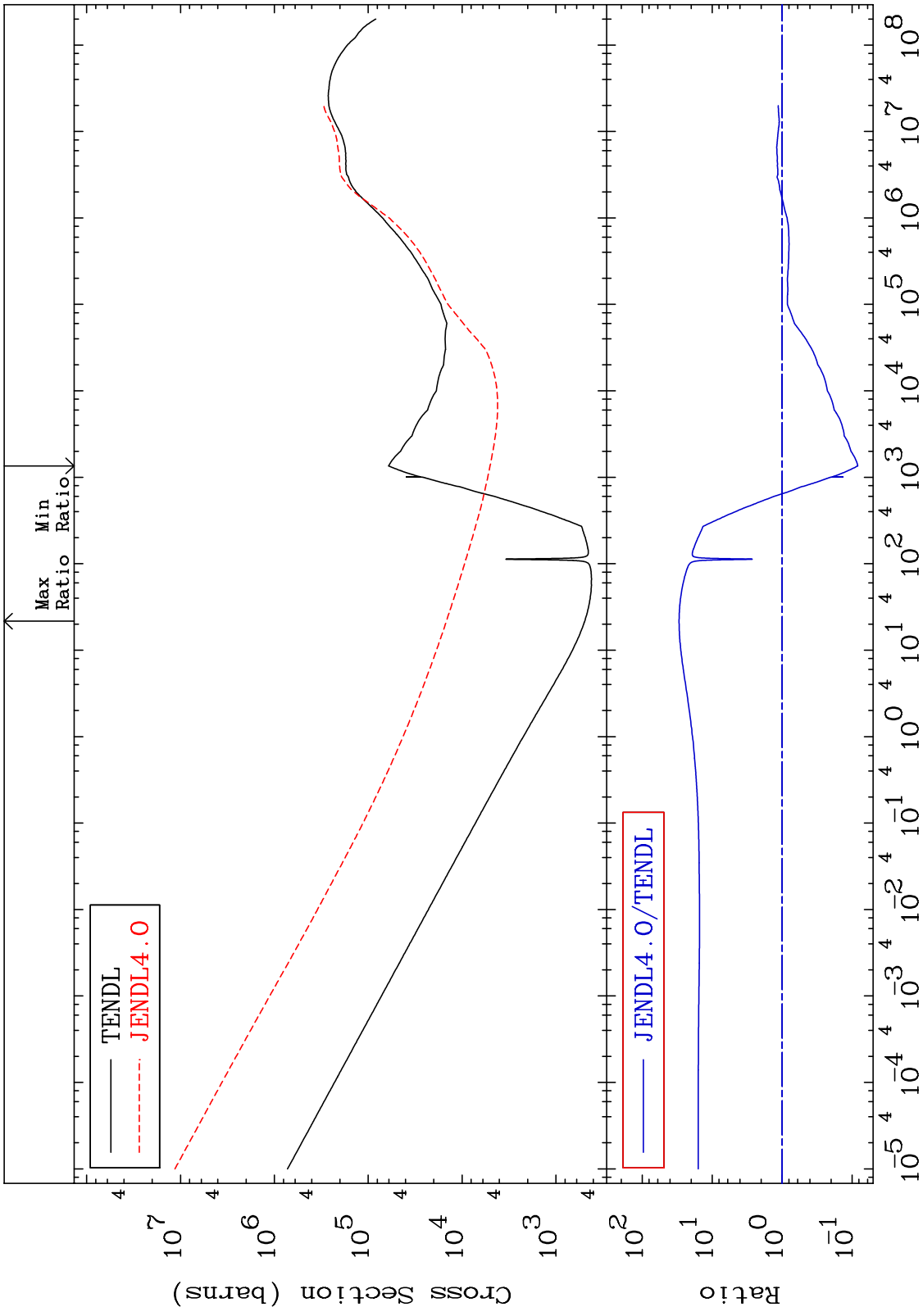
MAT 1928 19-K -40
 Total photon (eV-barns) Cross Section -99.85 To 4706. %



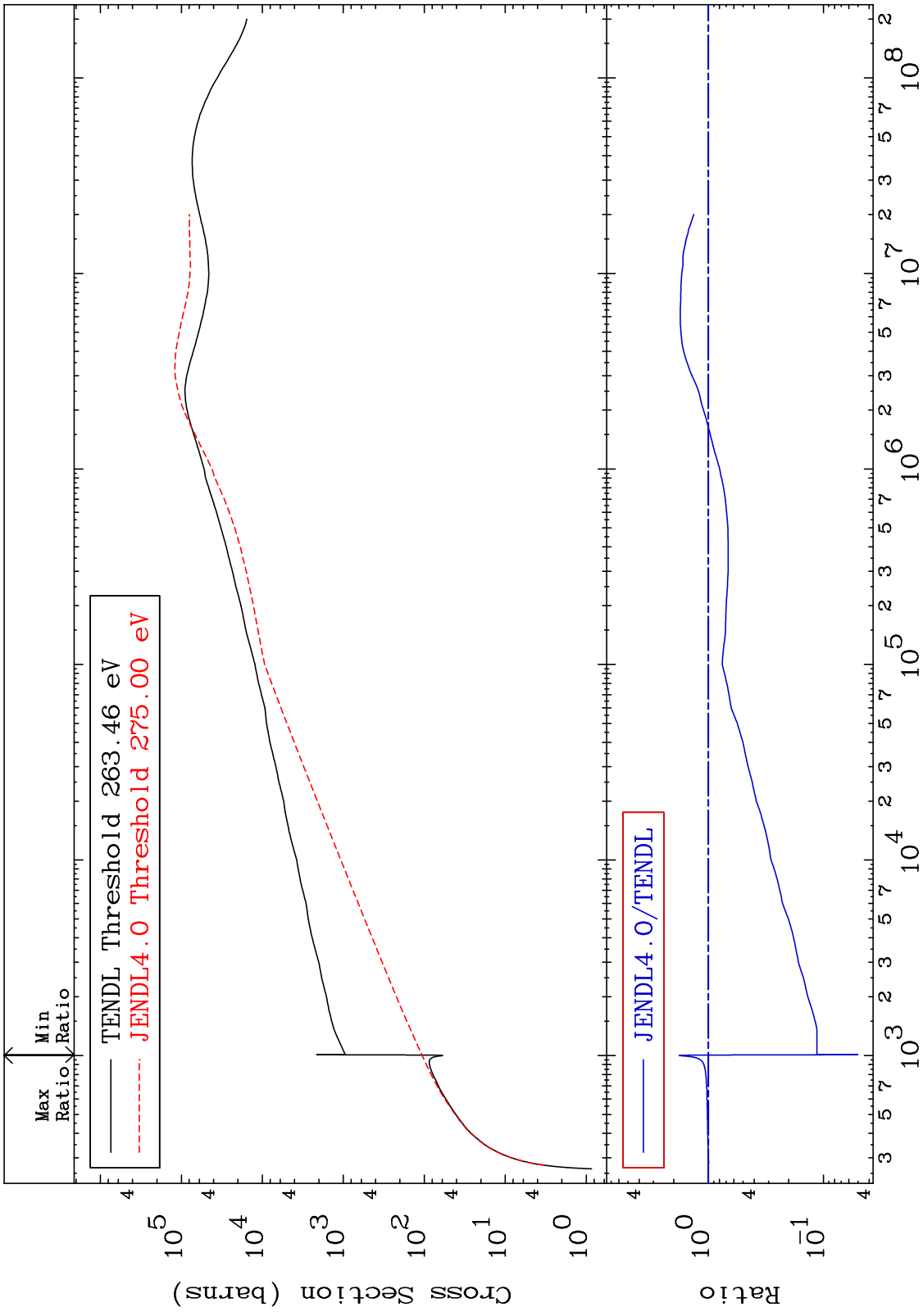
MAT 1928 Total kinematic kerma (high limit) 19-K -40
 -89.91 To 924.7 %
 Cross Section



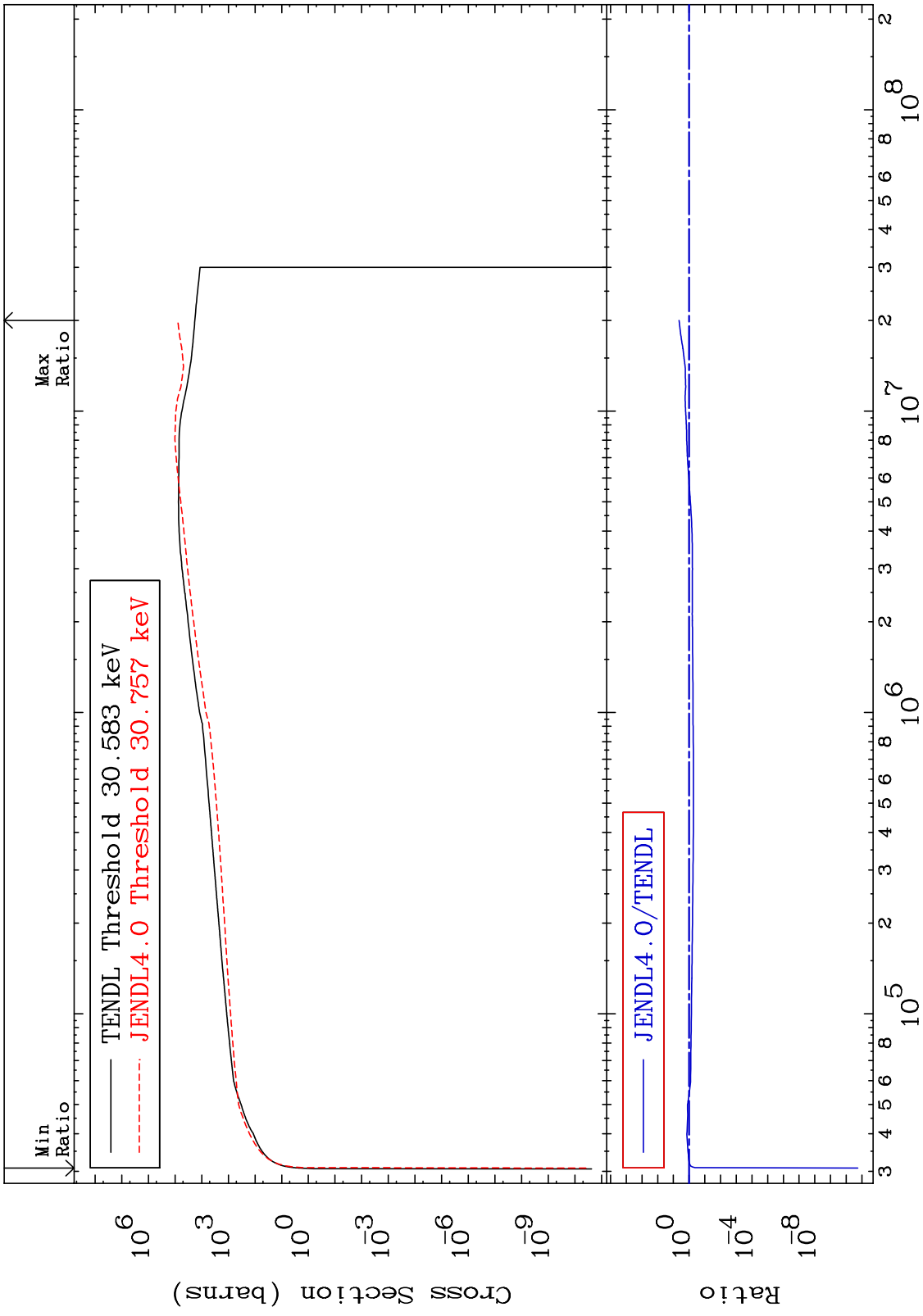
MAT 1928 Dpa total (eV-barns) 19-K -40
 Cross Section -91.73 To 2878. %



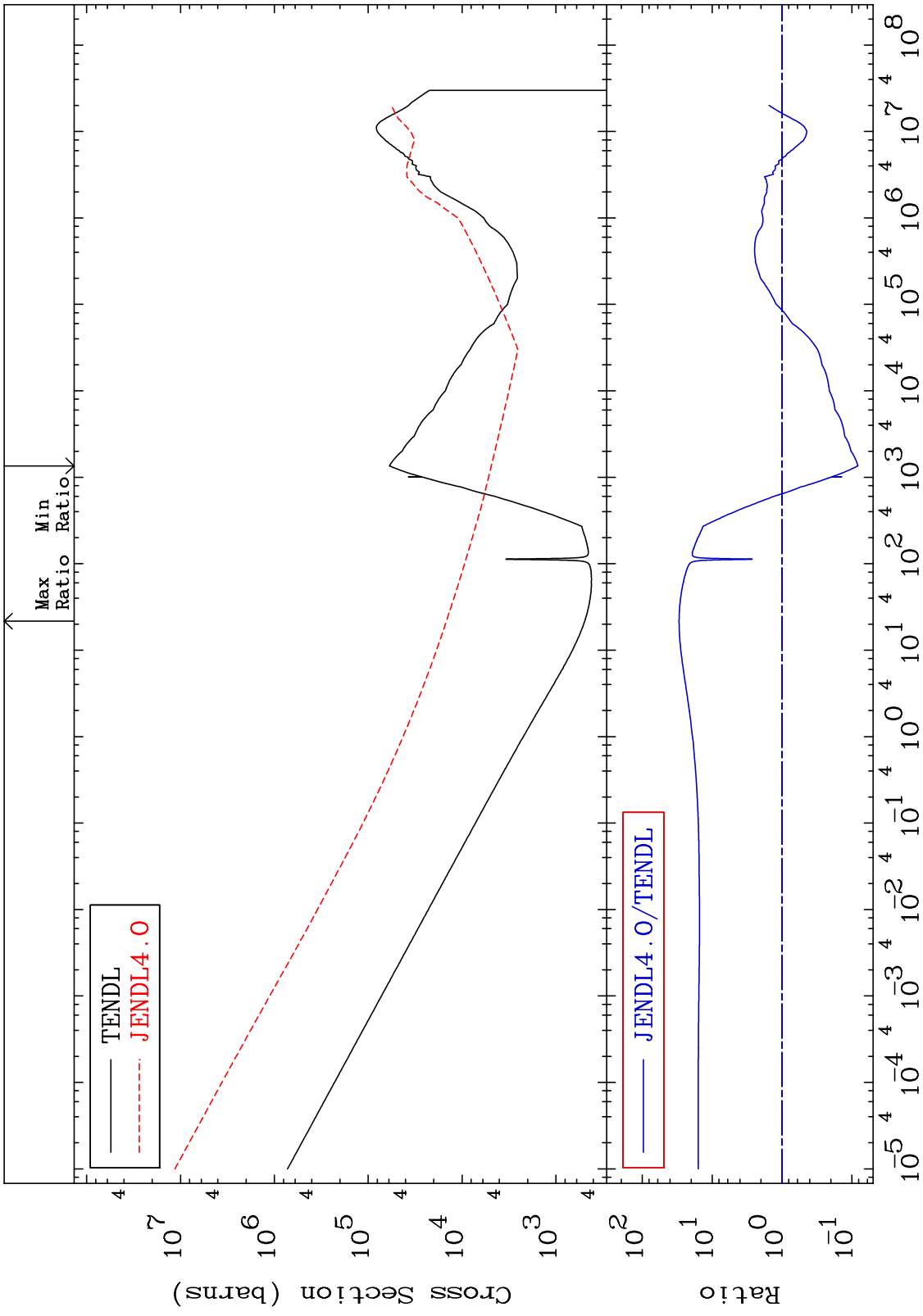
MAT 1928 Dpa elastic (mt2) 19-K -40
 Cross Section -94.98 To 79.87 %



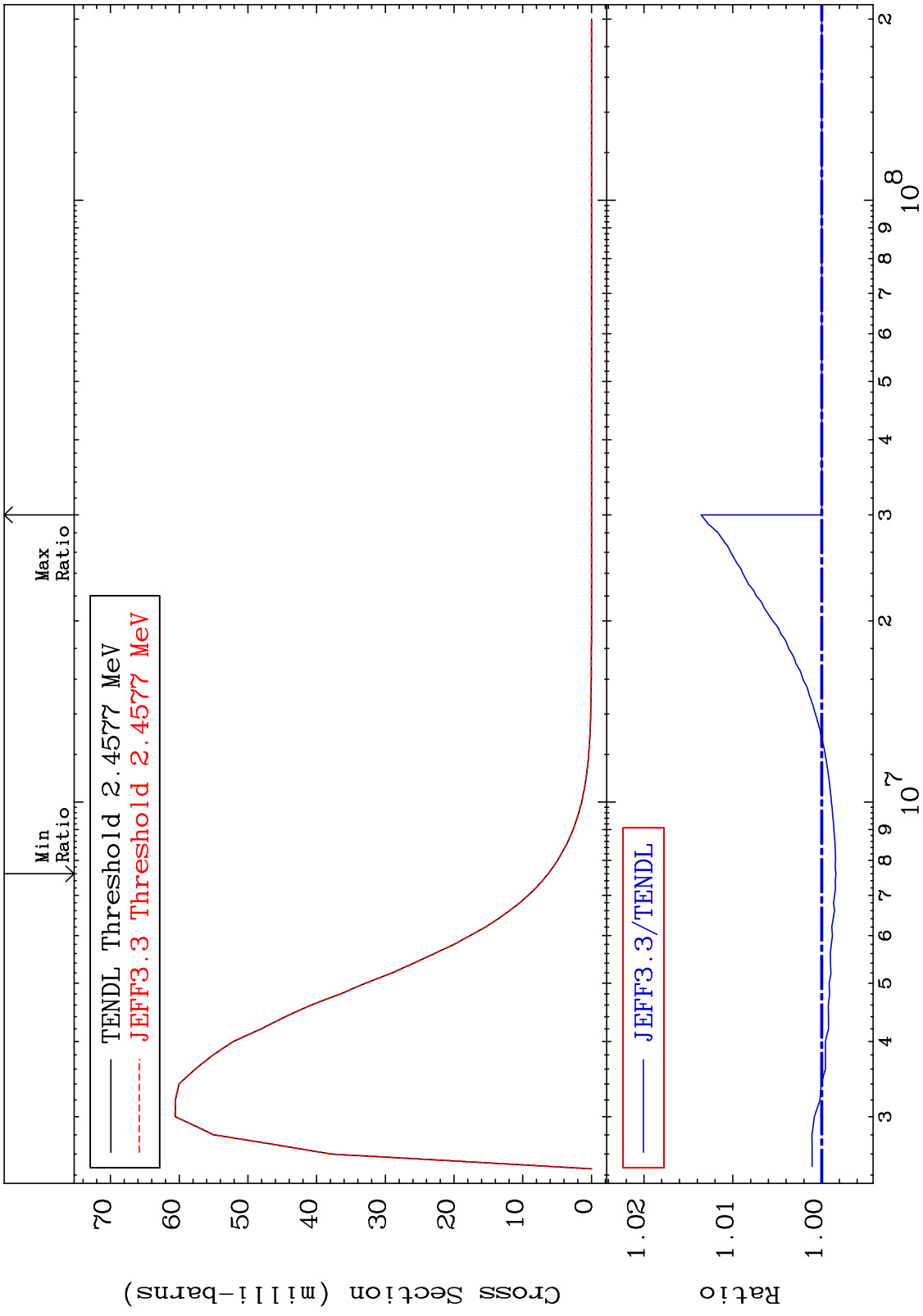
MAT 1928 Dpa inelastic (mt51-91) 19-K -40
 Cross Section -100.0 To 336.4 %



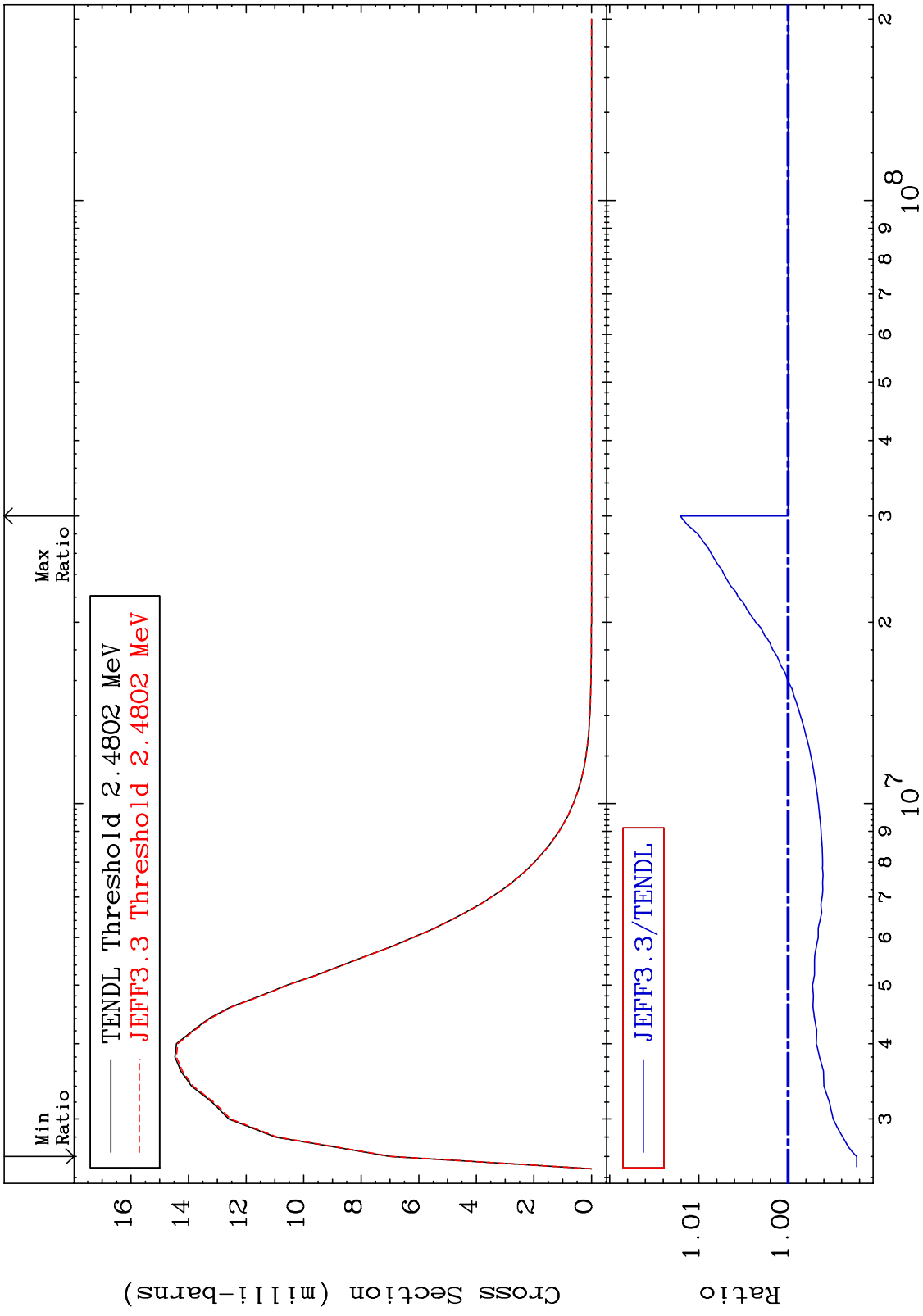
MAT 1928 Dpa disappearance (mt102 -120) 19-K -40
 Cross Section -91.80 To 2878. %



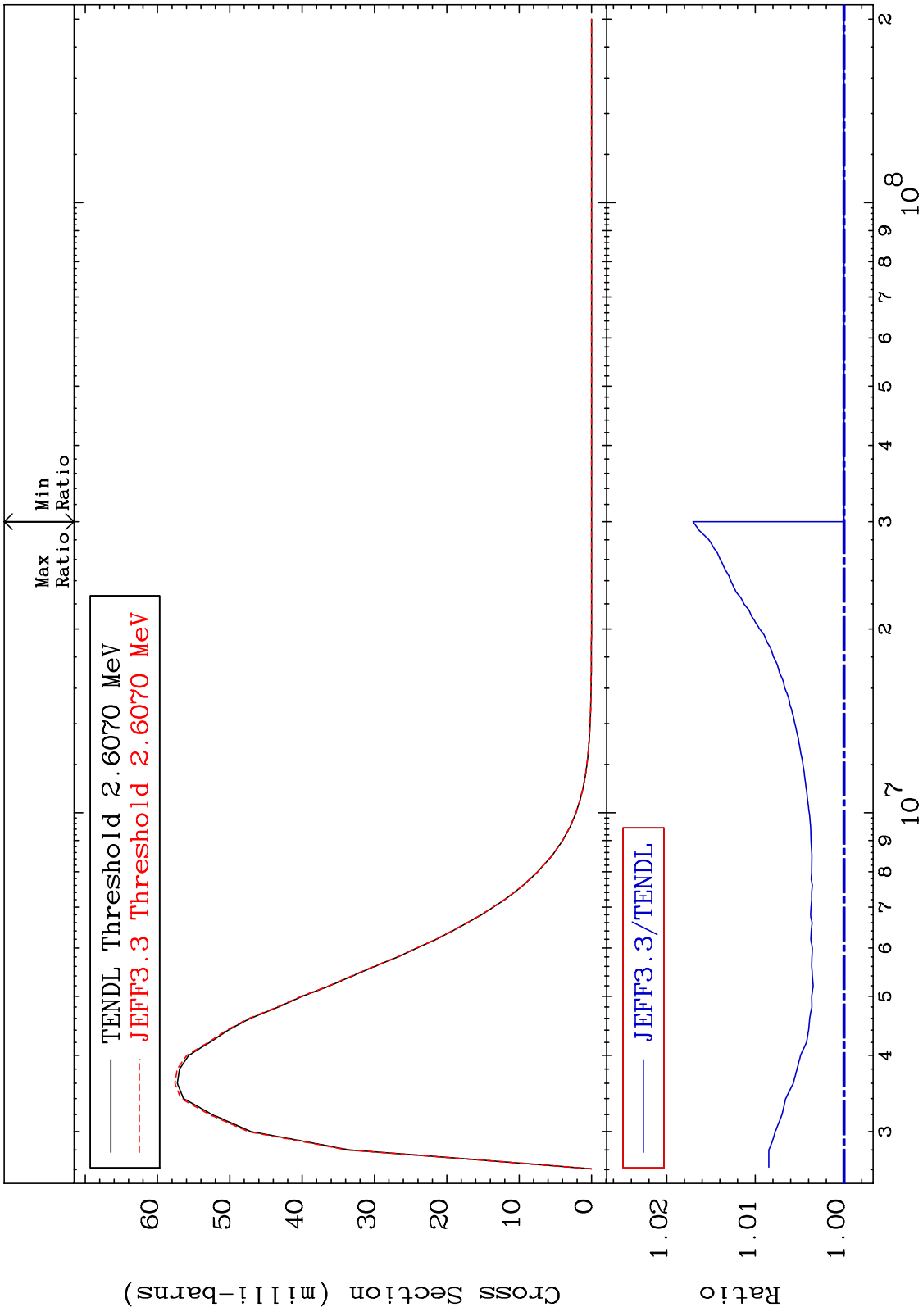
MAT 1928 MT= 62 (n,n') Level Cross Section 19-K -40
 -0.159 To 1.358 %



MAT 1928 MT= 63 (n,n') Level Cross Section -0.770 To 1.211 % 19-K -40

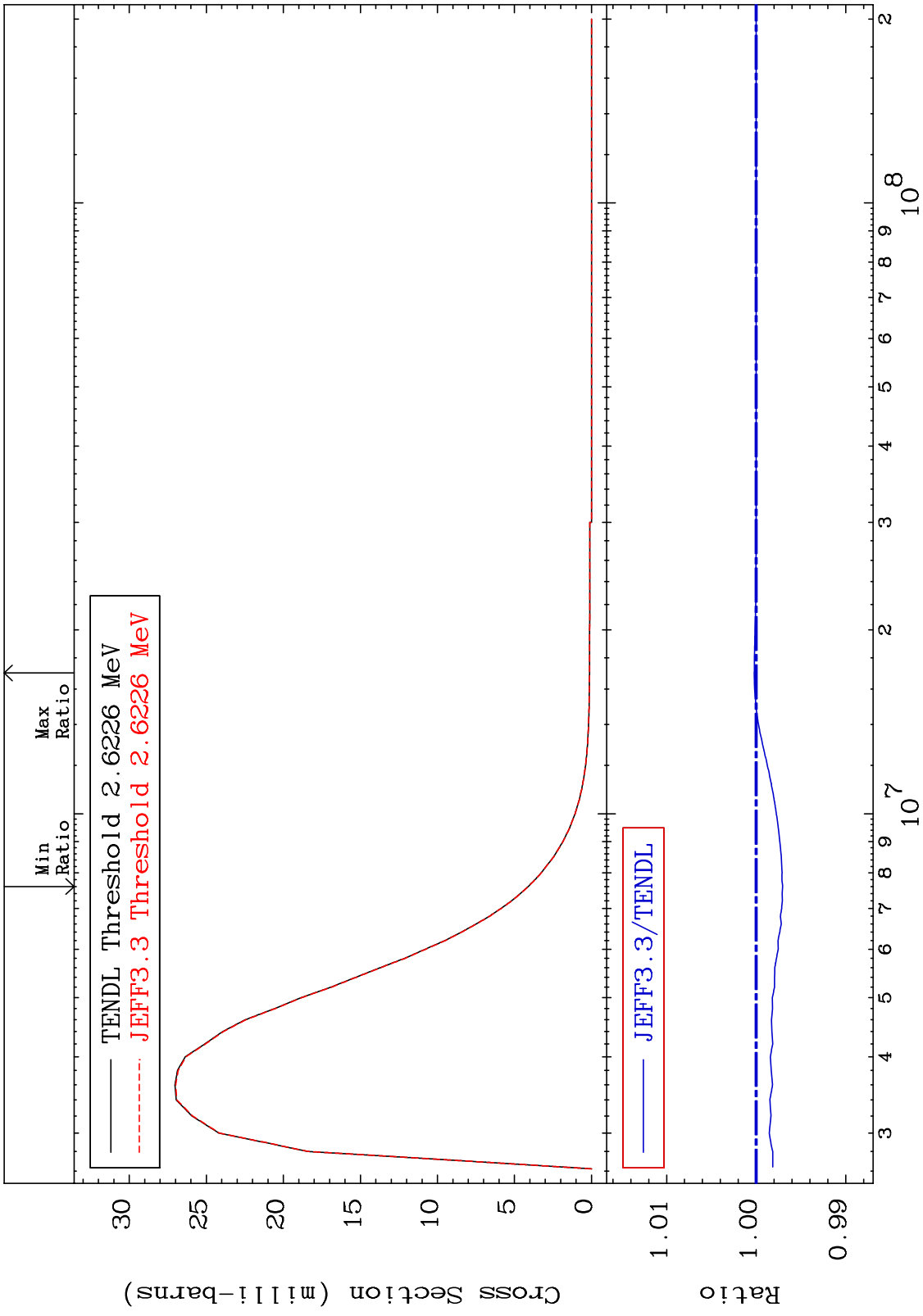


MAT 1928 MT= 64 (n,n') Level Cross Section 19-K -40 To 1.704 %

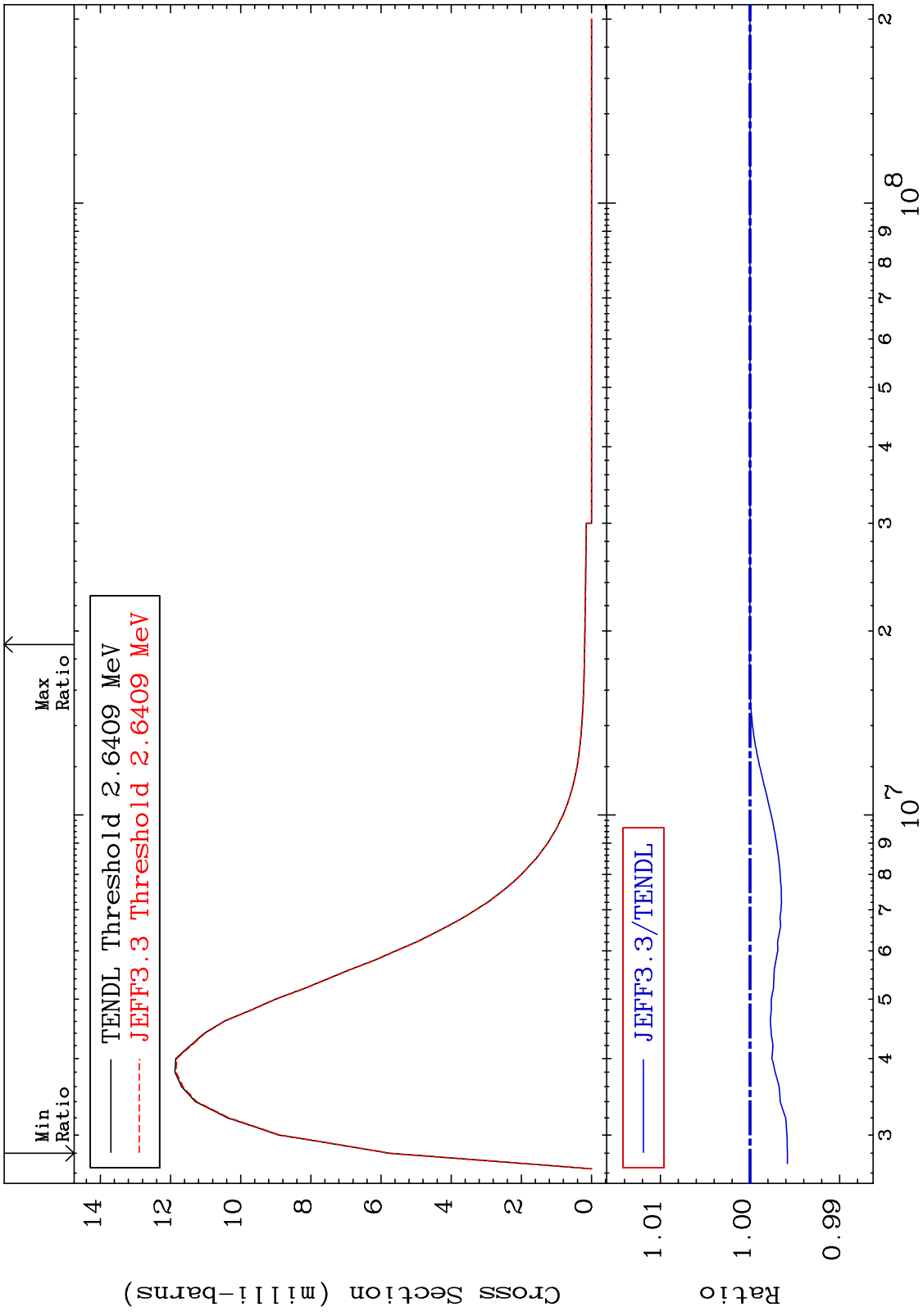


32 Incident Energy (eV) 19-K -40

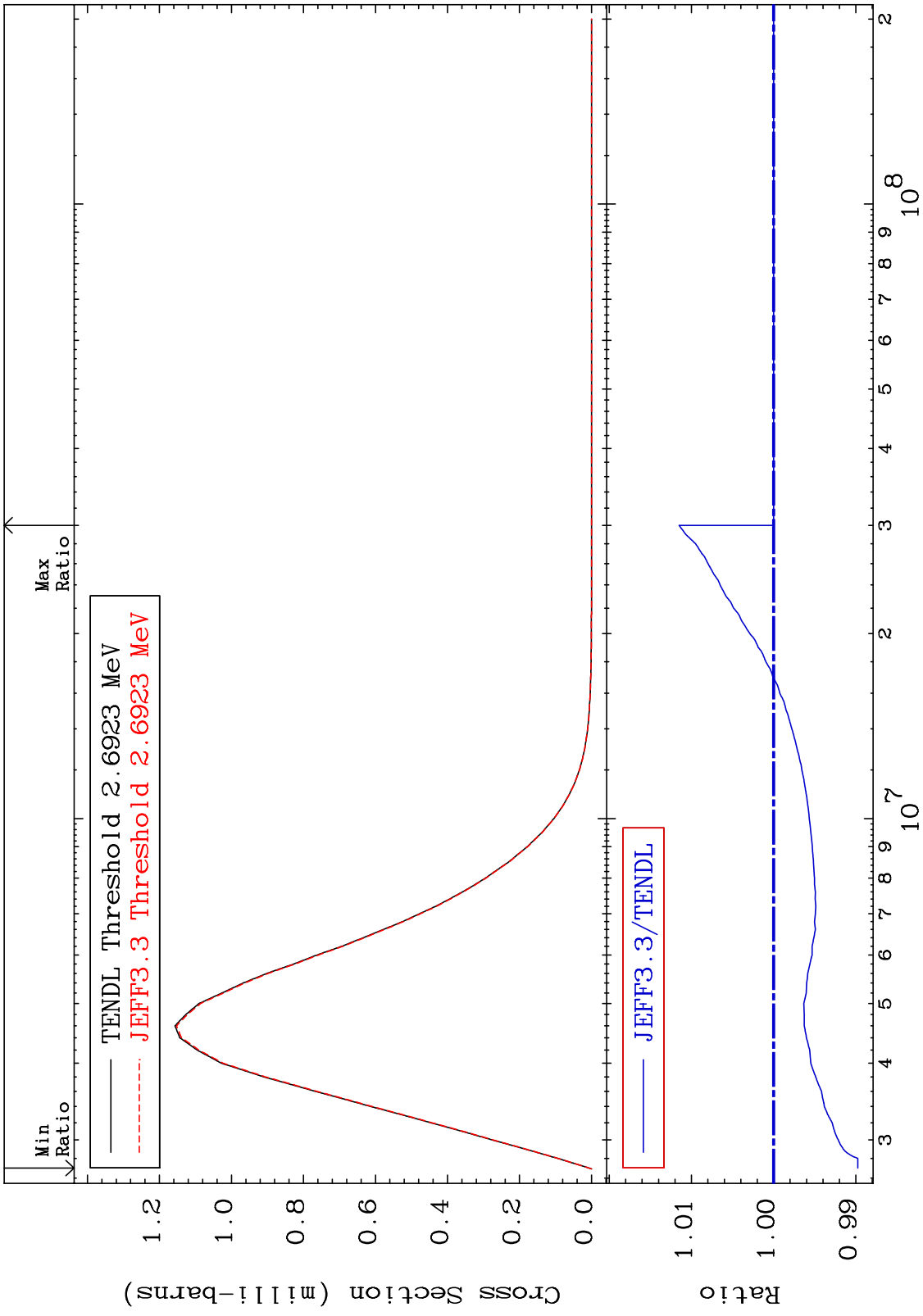
MAT 1928 MT= 65 (n,n') Level Cross Section 19-K -40
 -0.295 To 0.021 %



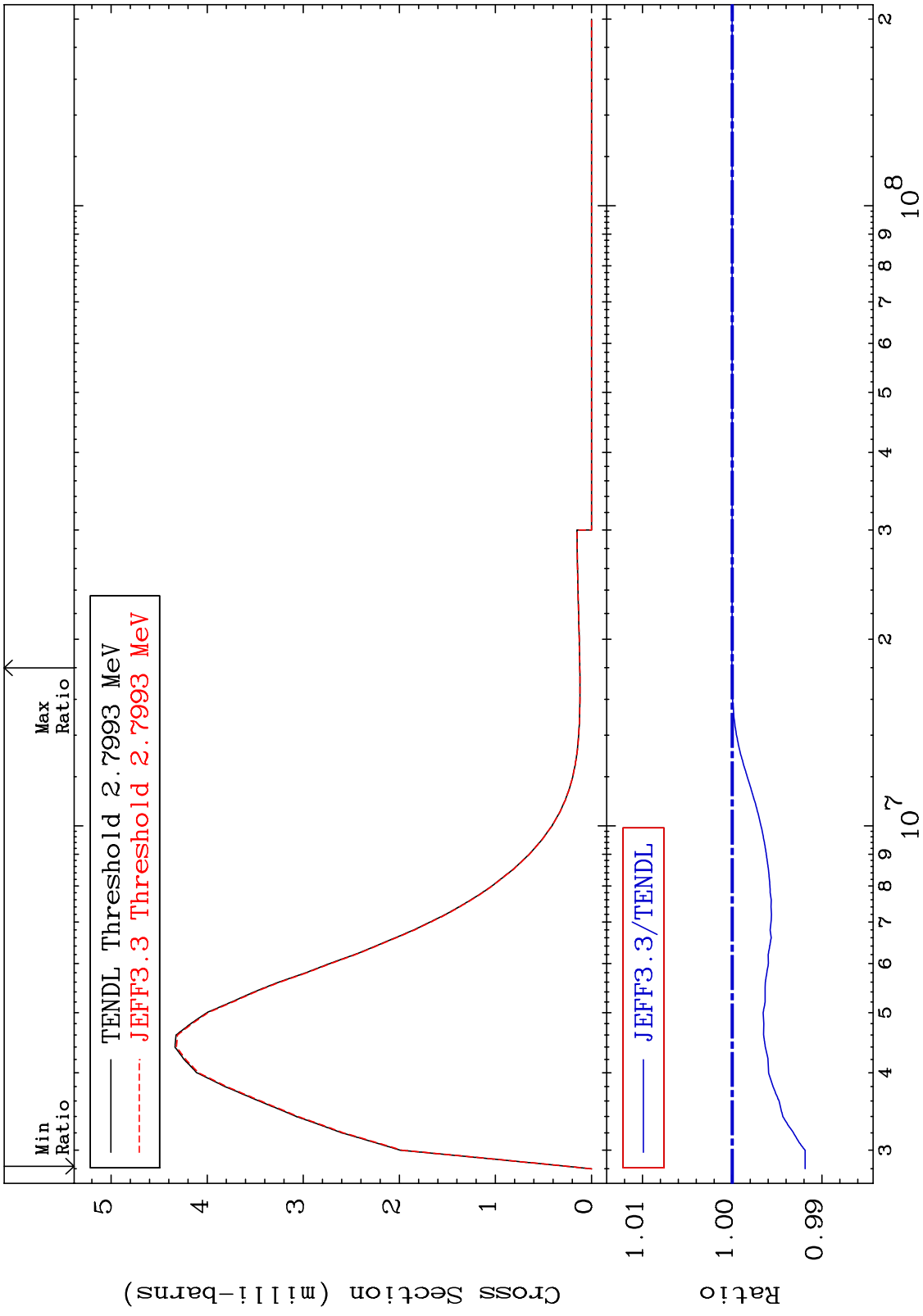
MAT 1928 MT= 66 (n,n') Level Cross Section 19-K -40
 -0.417 To 0.005 %



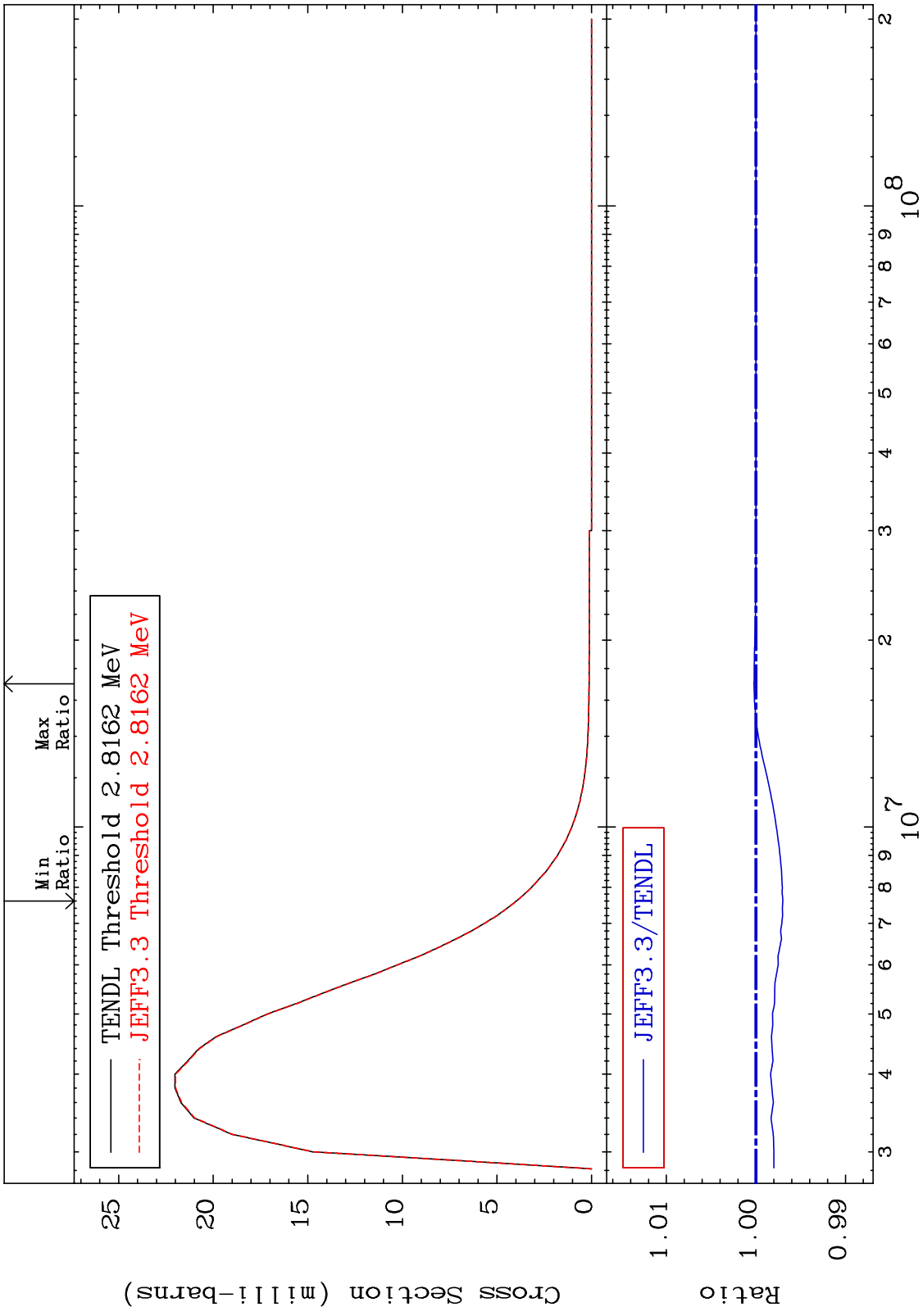
MAT 1928 MT= 67 (n,n') Level Cross Section -1.024 To 1.151 % 19-K -40



MAT 1928 MT= 68 (n,n') Level Cross Section 19-K -40
 -0.812 To 0.004 %

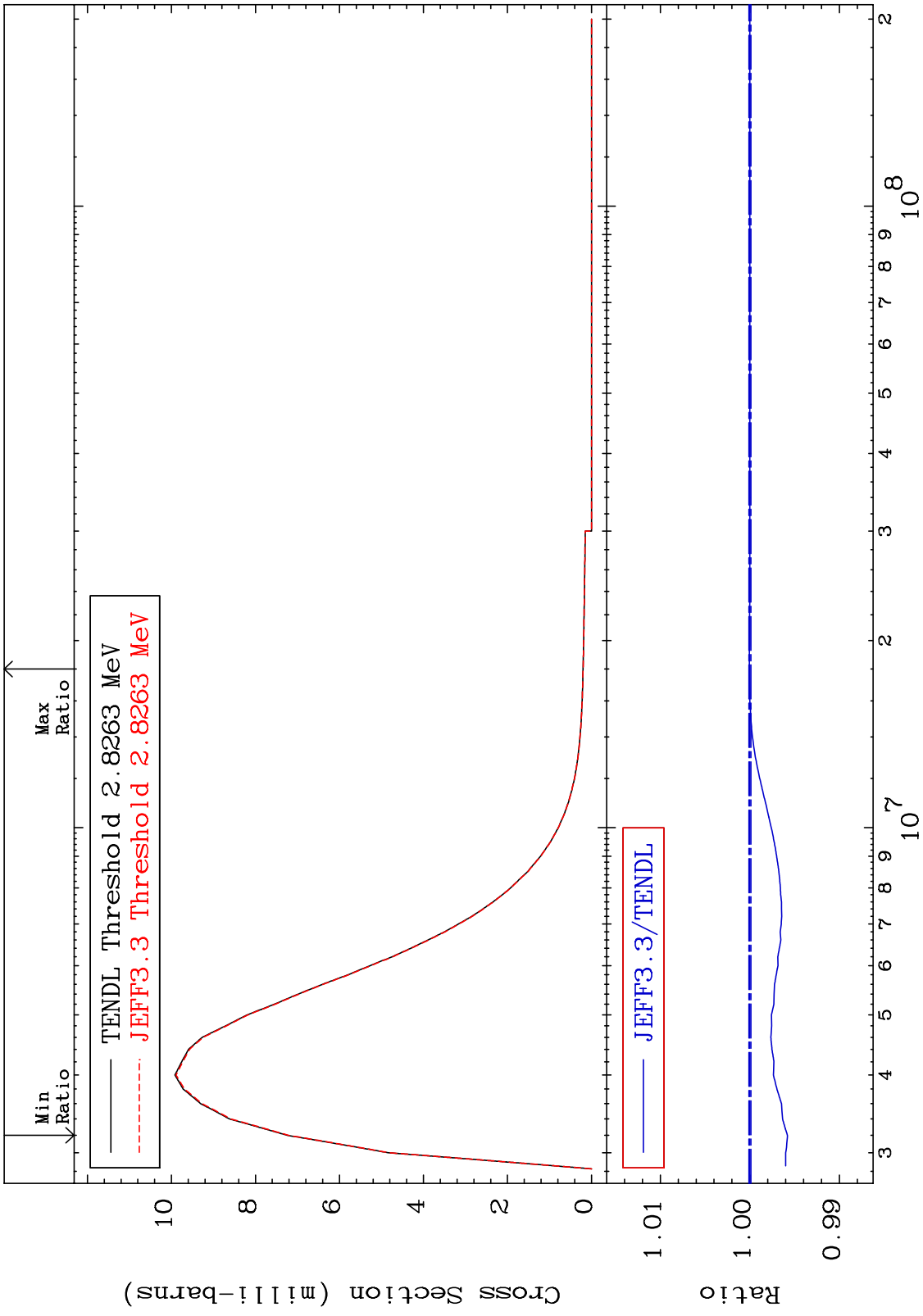


MAT 1928 MT= 69 (n,n') Level Cross Section 19-K -40
 -0.301 To 0.021 %

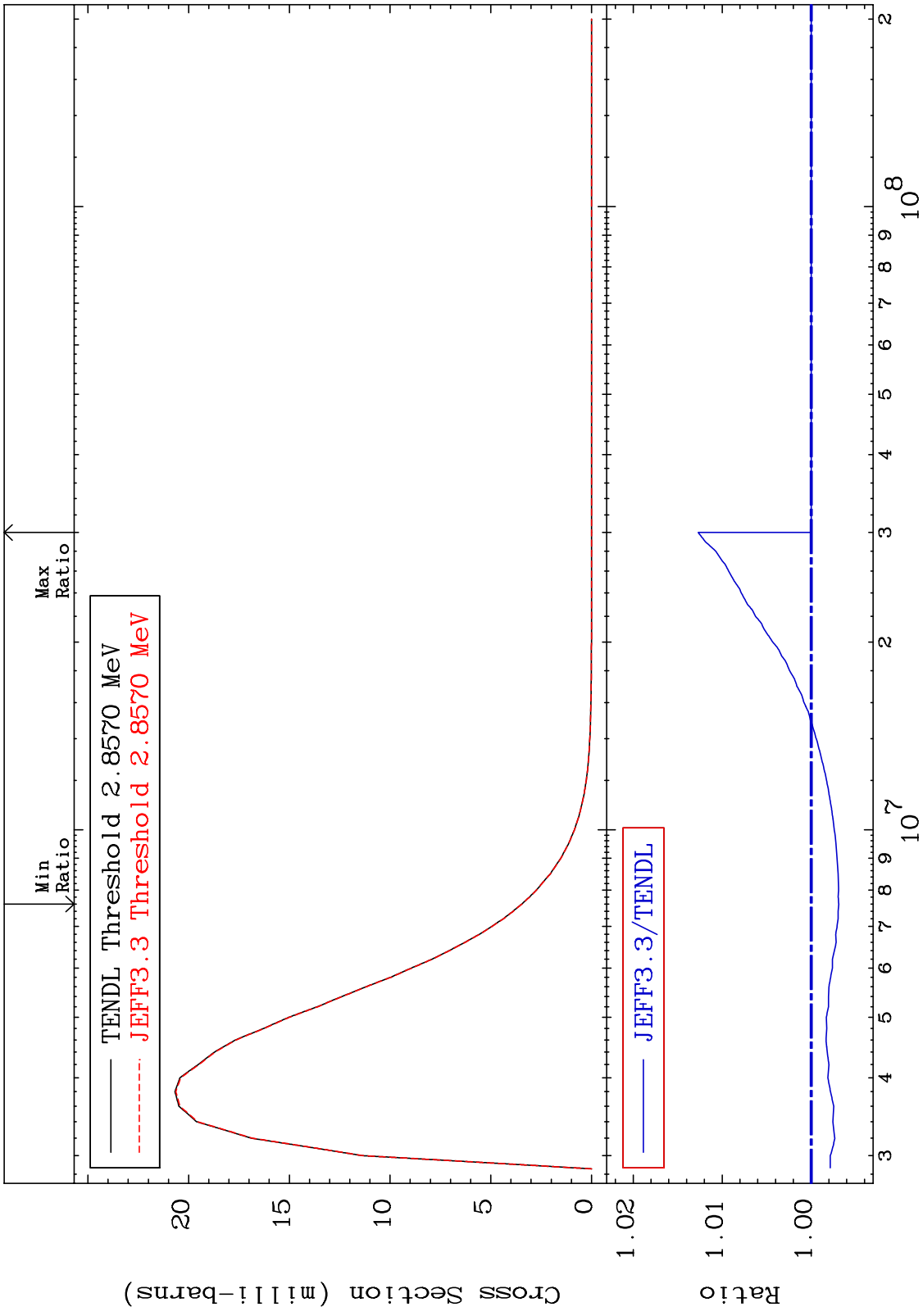


37 Incident Energy (eV) 19-K -40

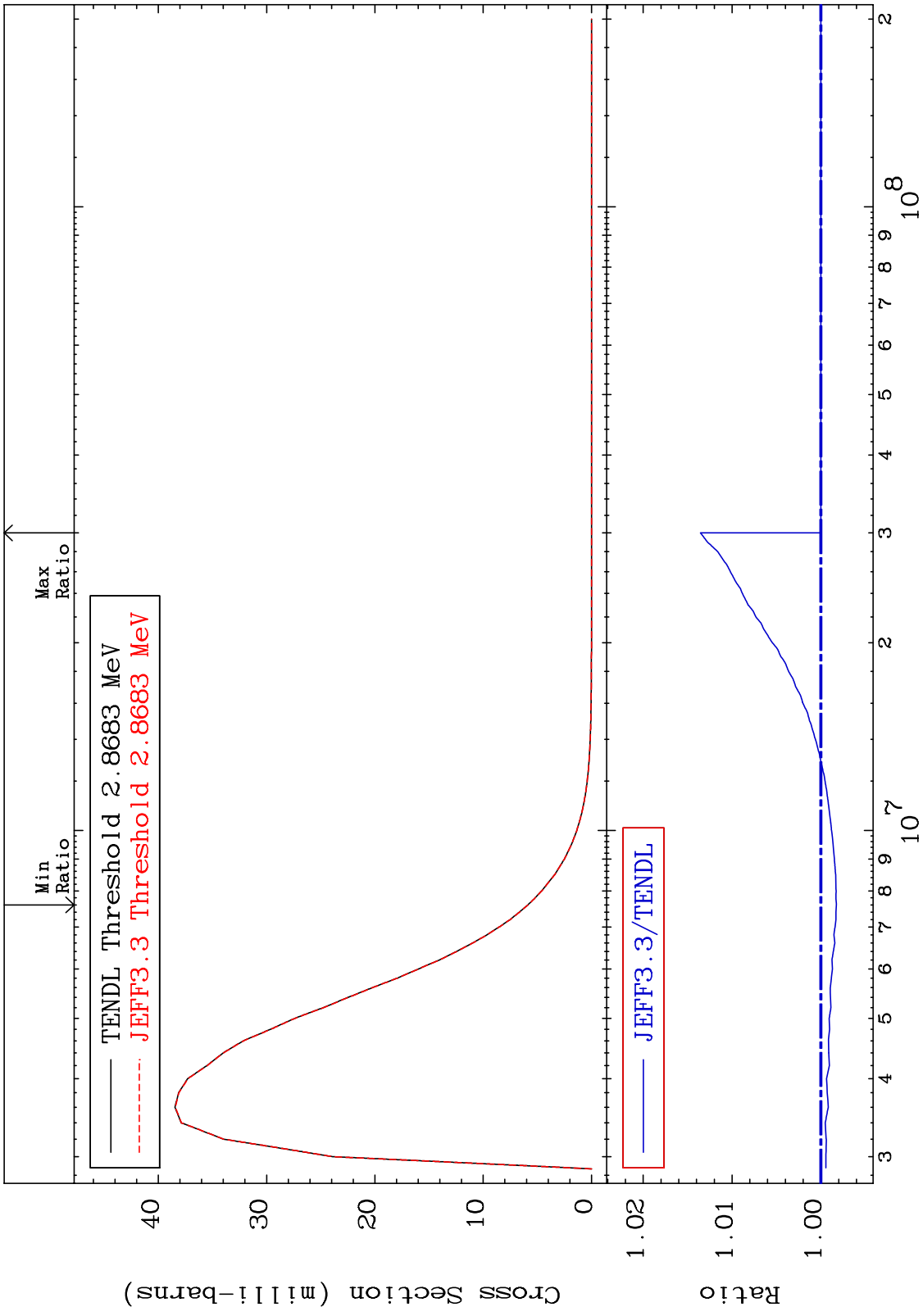
MAT 1928 MT= 70 (n,n') Level Cross Section 19-K -40
 -0.420 To 0.005 %



MAT 1928 MT= 71 (n,n') Level Cross Section 19-K -40
 -0.310 To 1.270 %

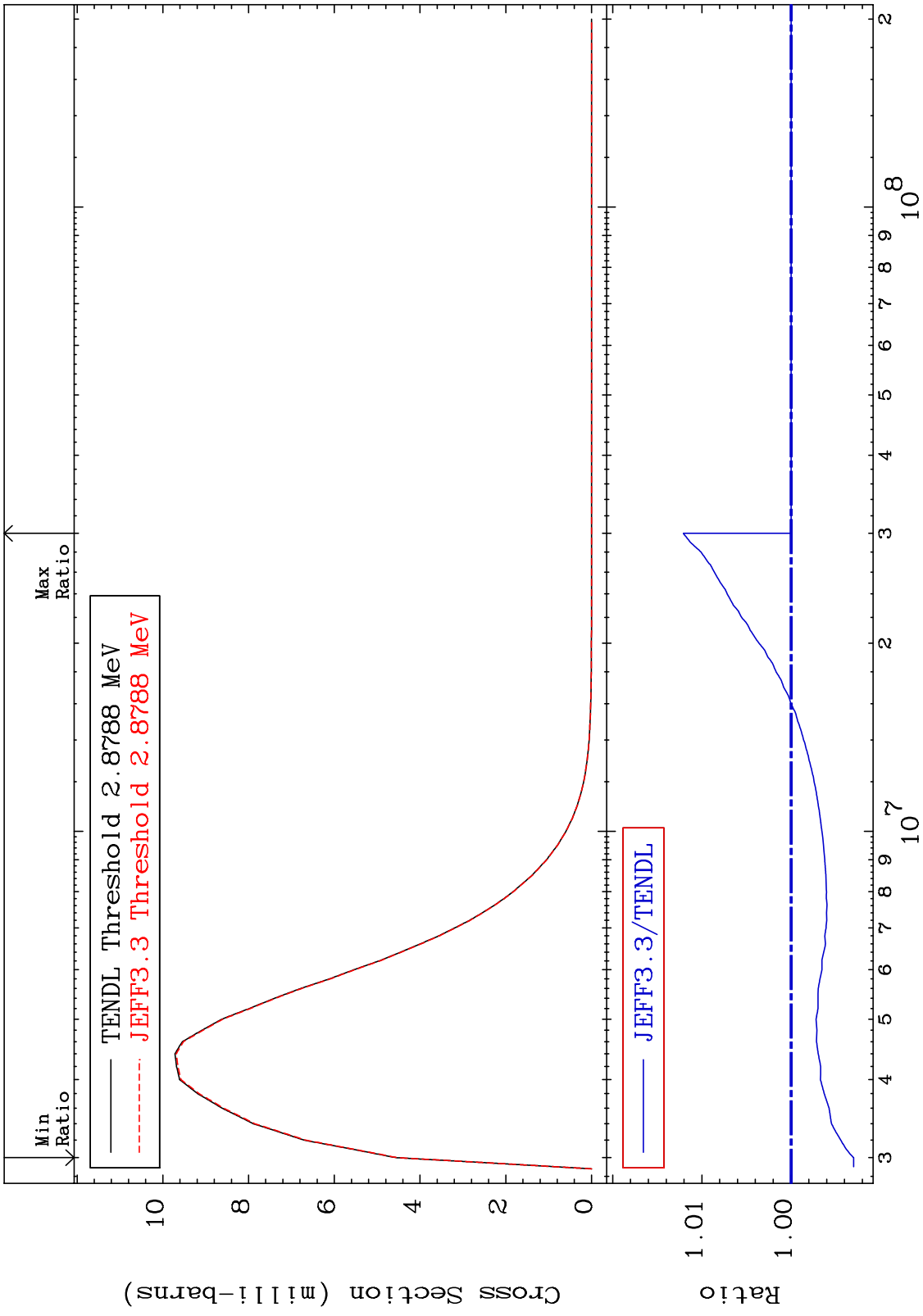


MAT 1928 MT= 72 (n,n') Level Cross Section 19-K -40
 -0.174 To 1.355 %

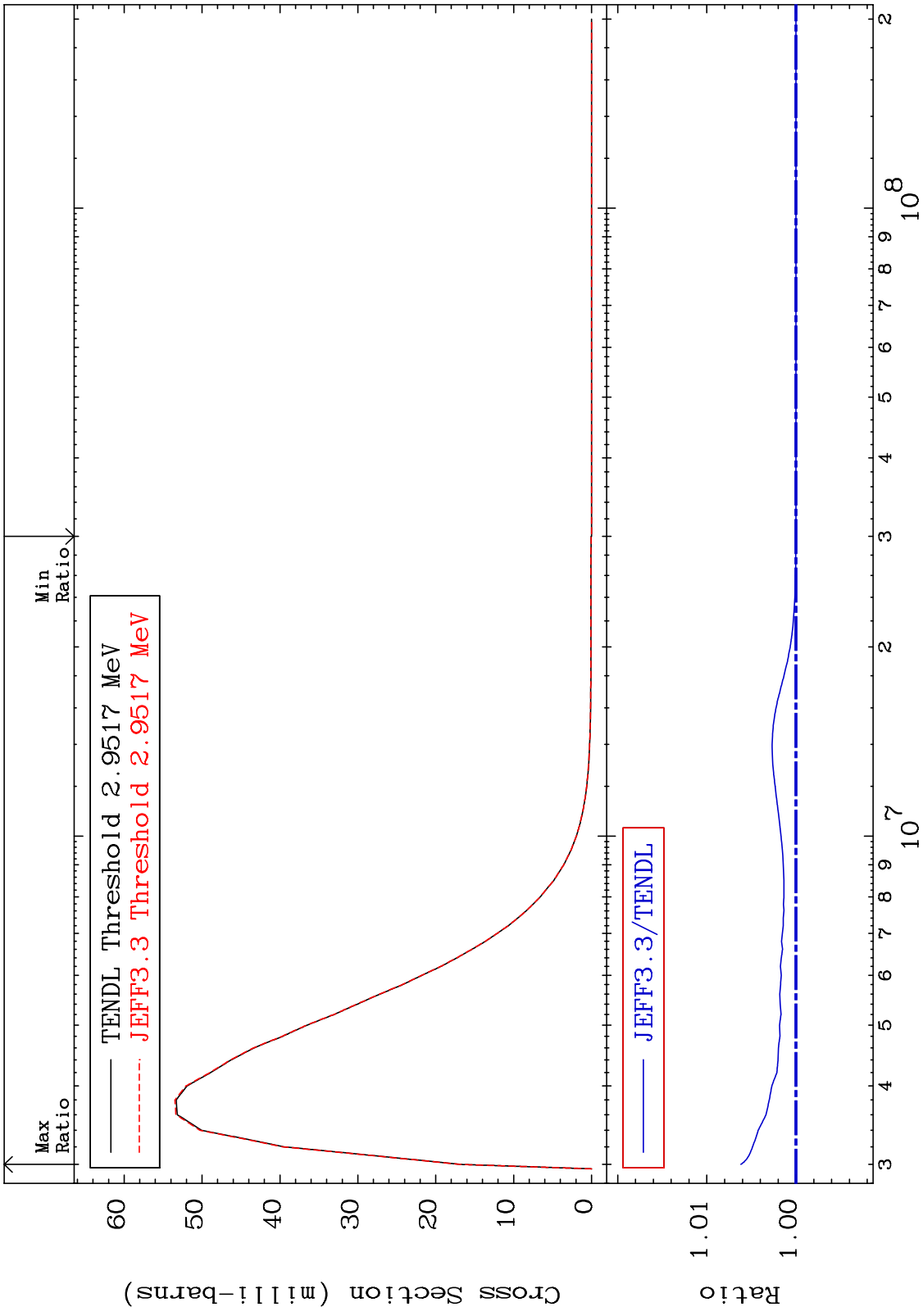


40 Incident Energy (eV) 19-K -40

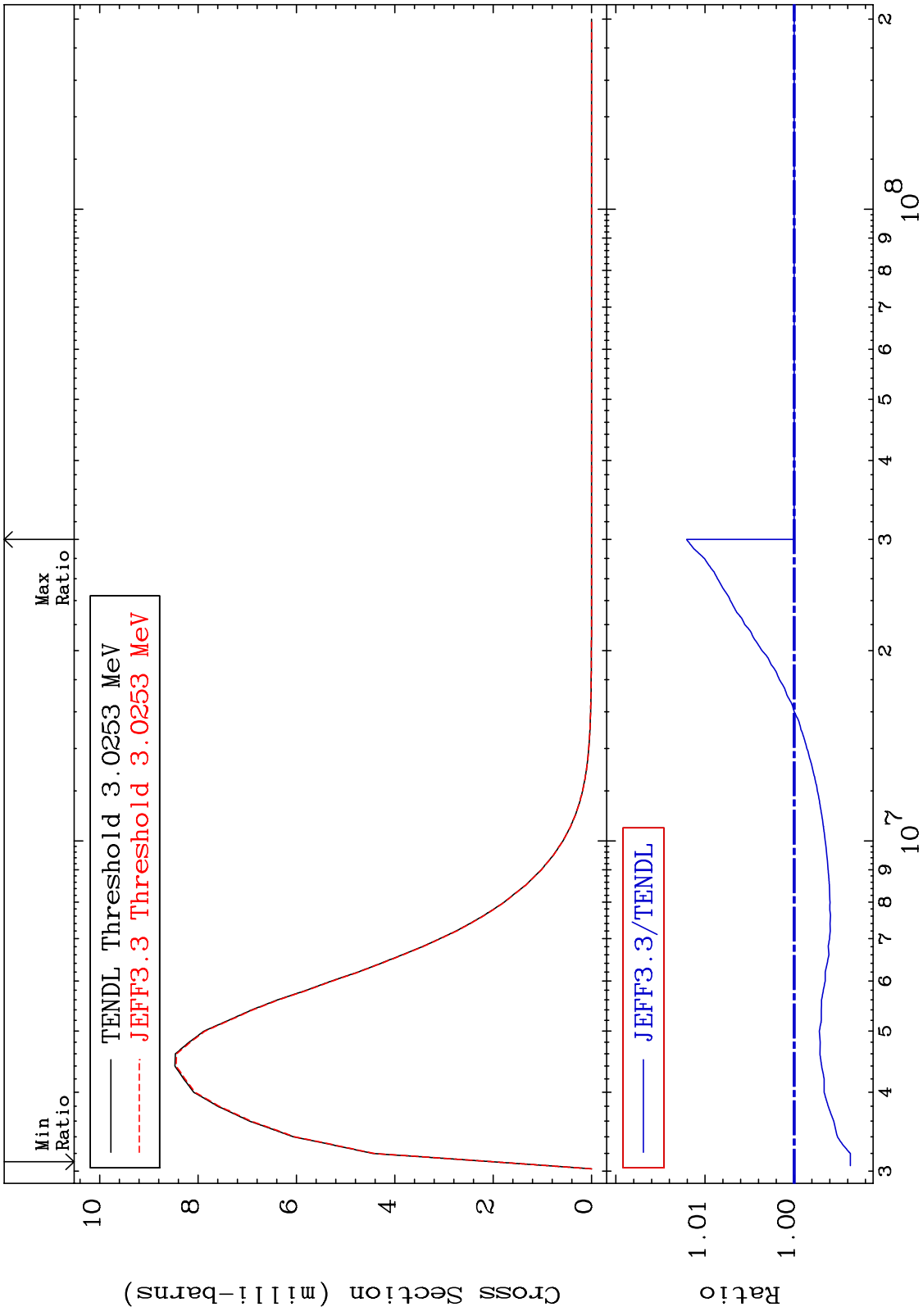
MAT 1928 MT= 73 (n,n') Level Cross Section 19-K -40
 -0.702 To 1.209 %



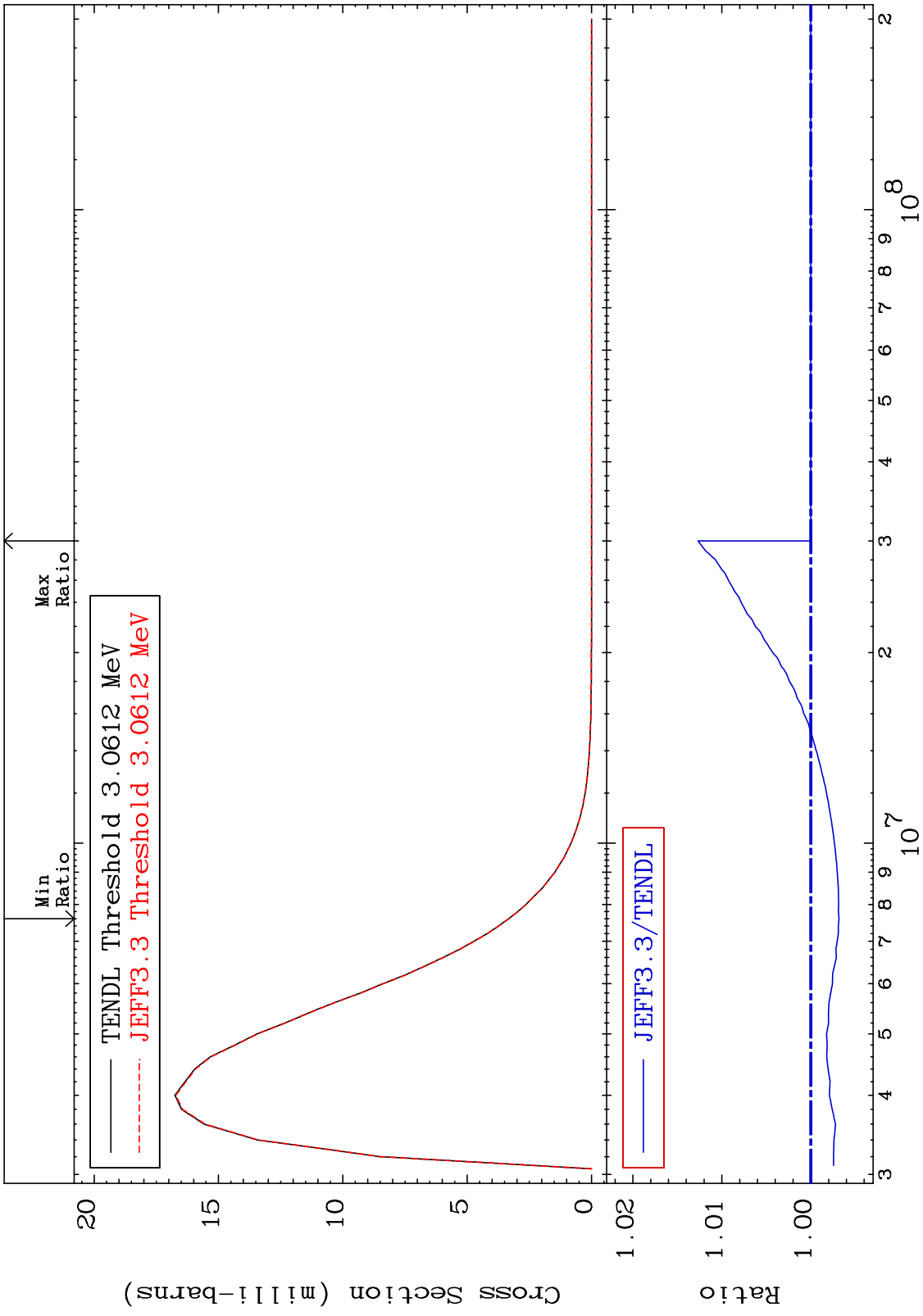
MAT 1928 MT= 74 (n,n') Level Cross Section 19-K -40
 0.000 To 0.618 %



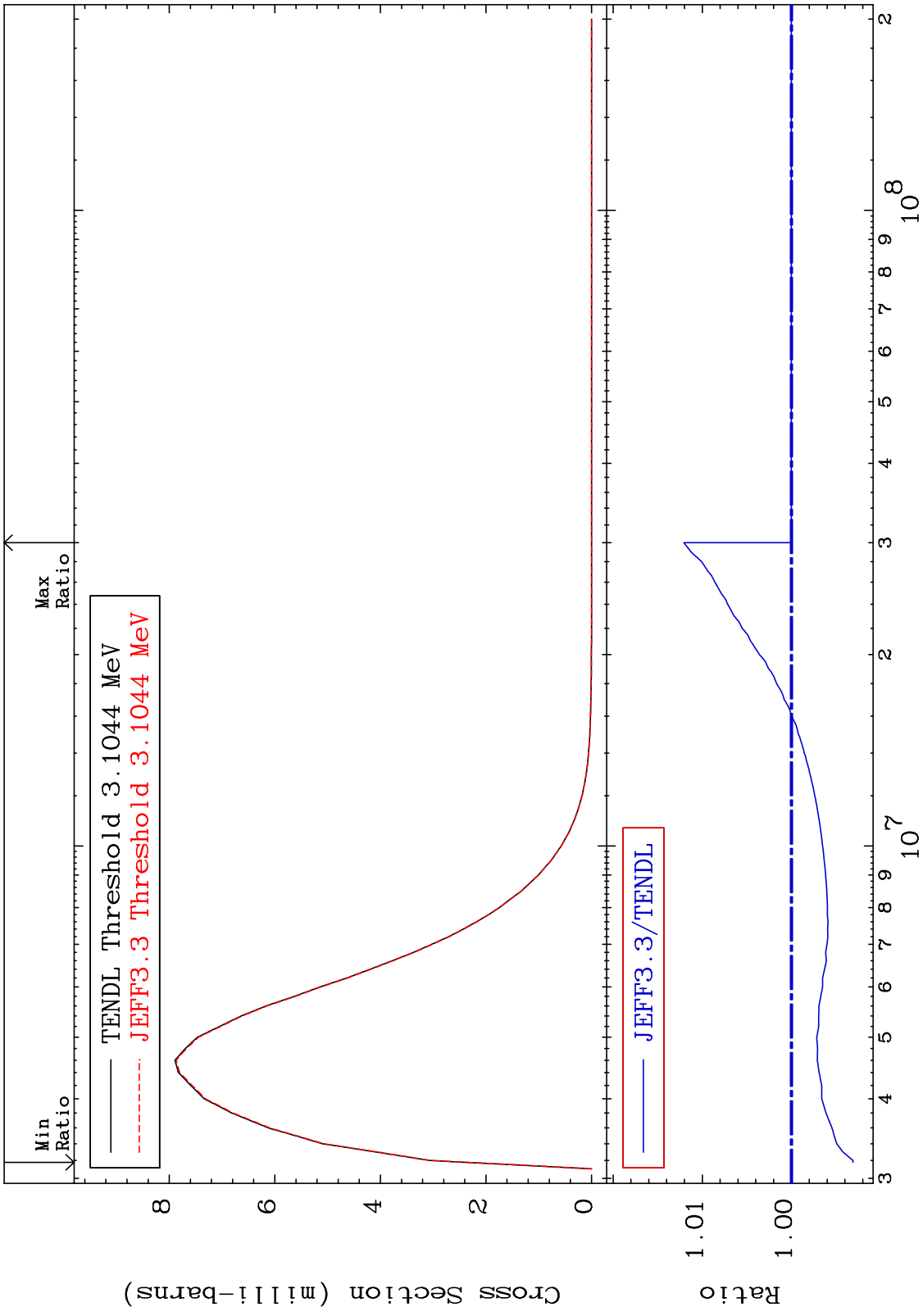
MAT 1928 MT= 75 (n,n') Level Cross Section 19-K -40
 -0.630 To 1.207 %



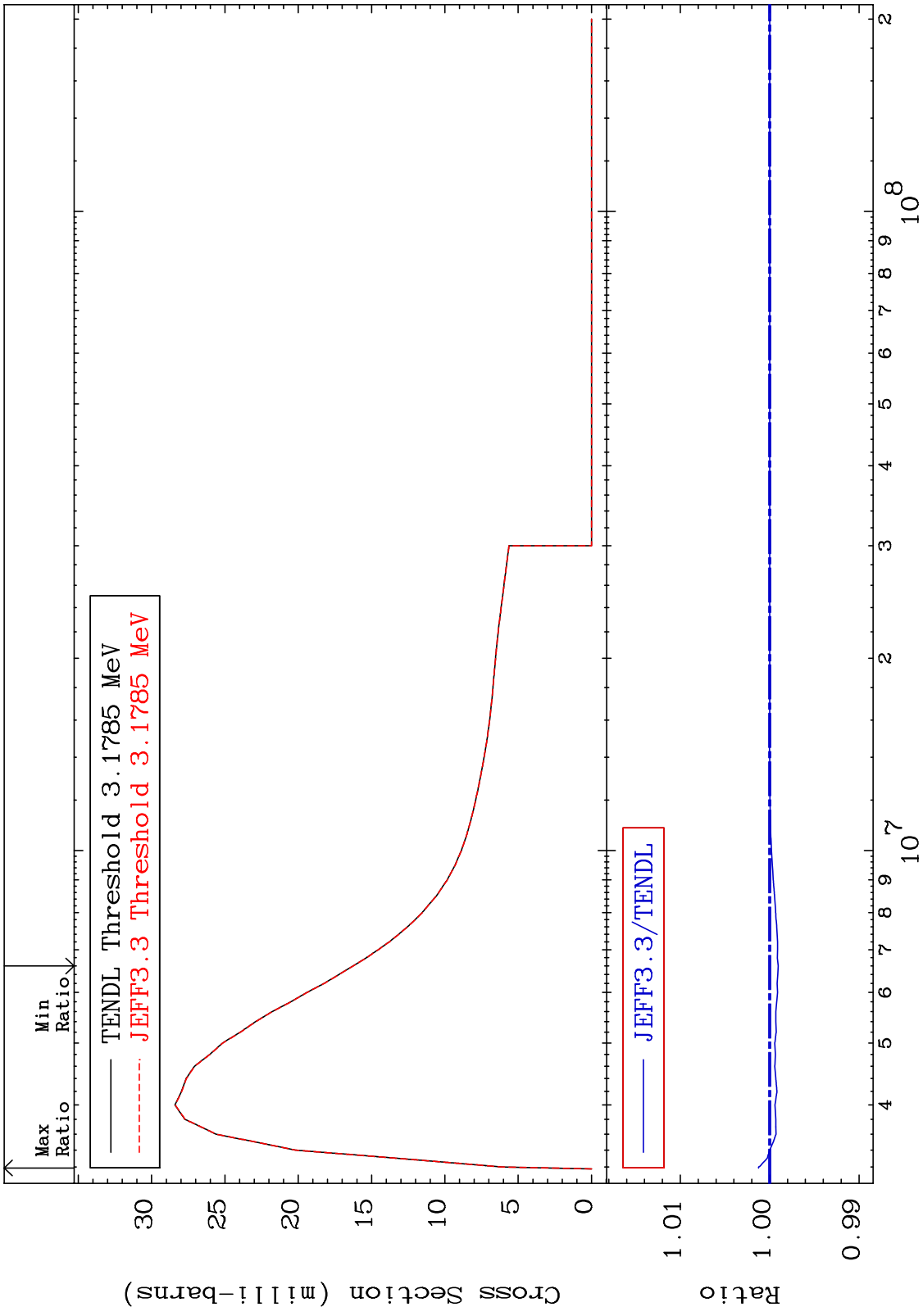
MAT 1928 MT= 76 (n,n') Level Cross Section 19-K -40
 -0.315 To 1.269 %



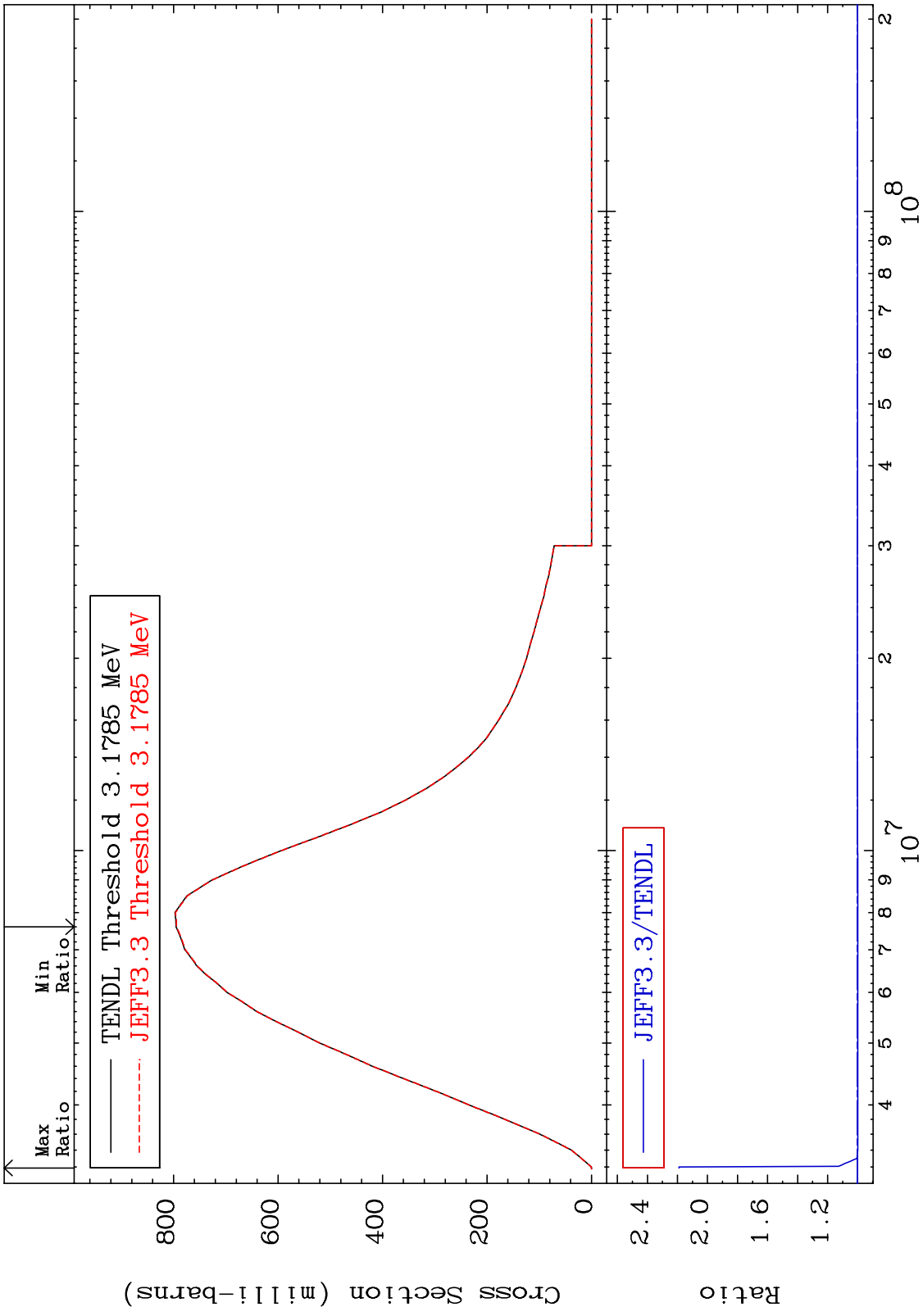
MAT 1928 MT= 77 (n,n') Level Cross Section 19-K -40
 -0.690 To 1.206 %



MAT 1928 MT= 78 (n,n') Level Cross Section 19-K -40
 -0.097 To 0.124 %



MAT 1928 (n,n') Continuum Cross Section 19-K -40
 -0.124 To 119.0 %



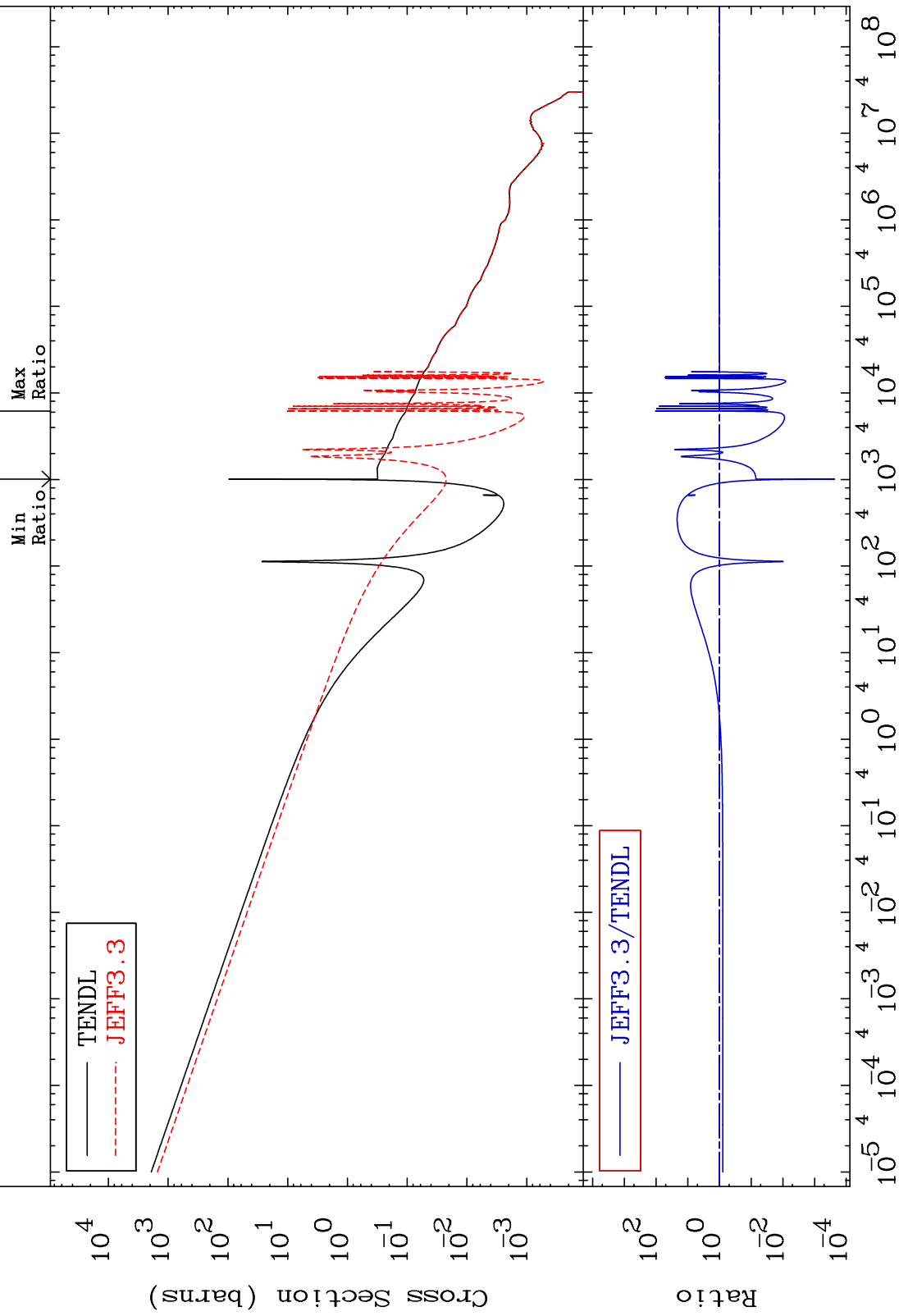
MAT 1928

(n, γ)

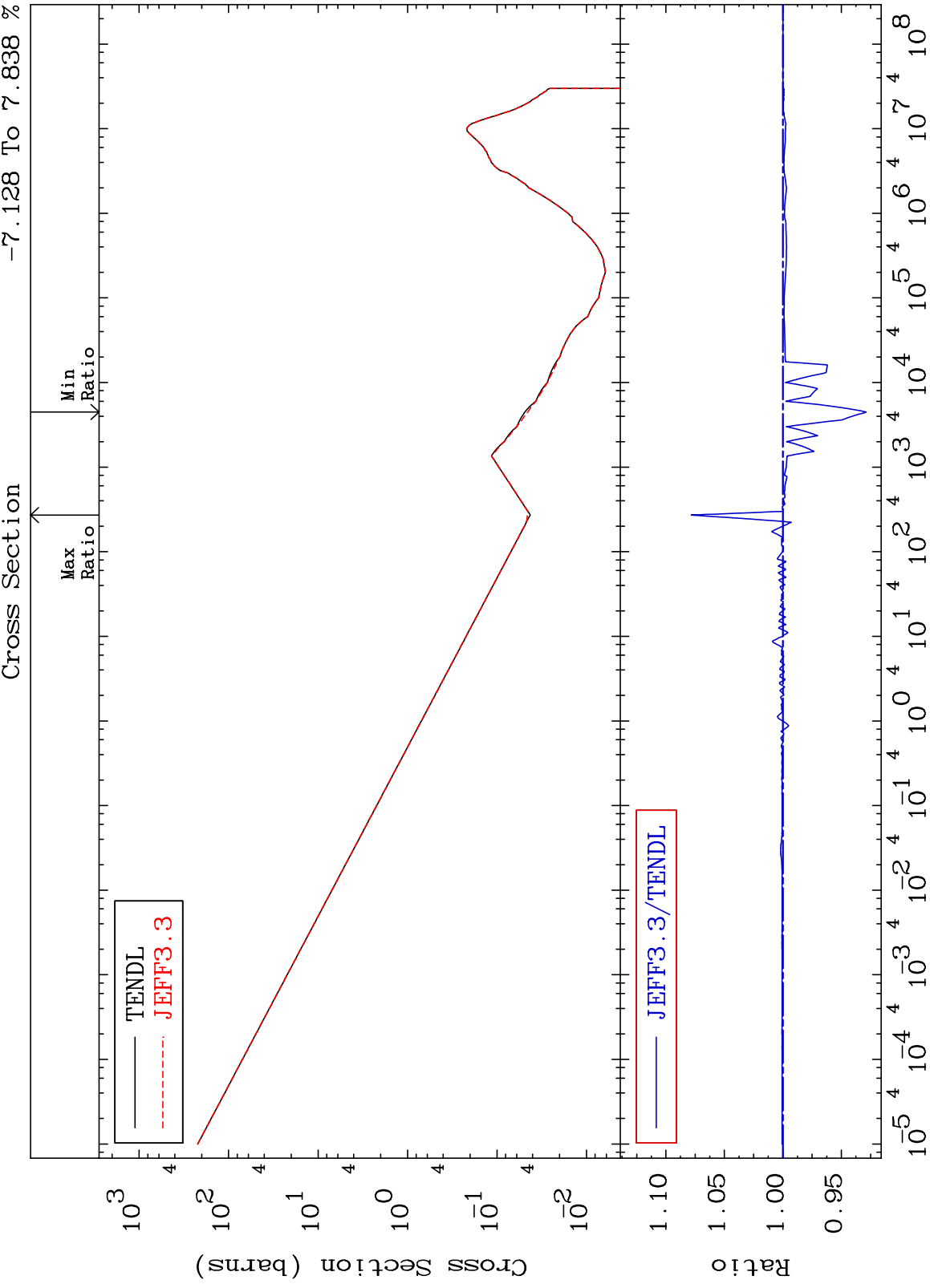
19-K -40

-99.98 To 9999. %

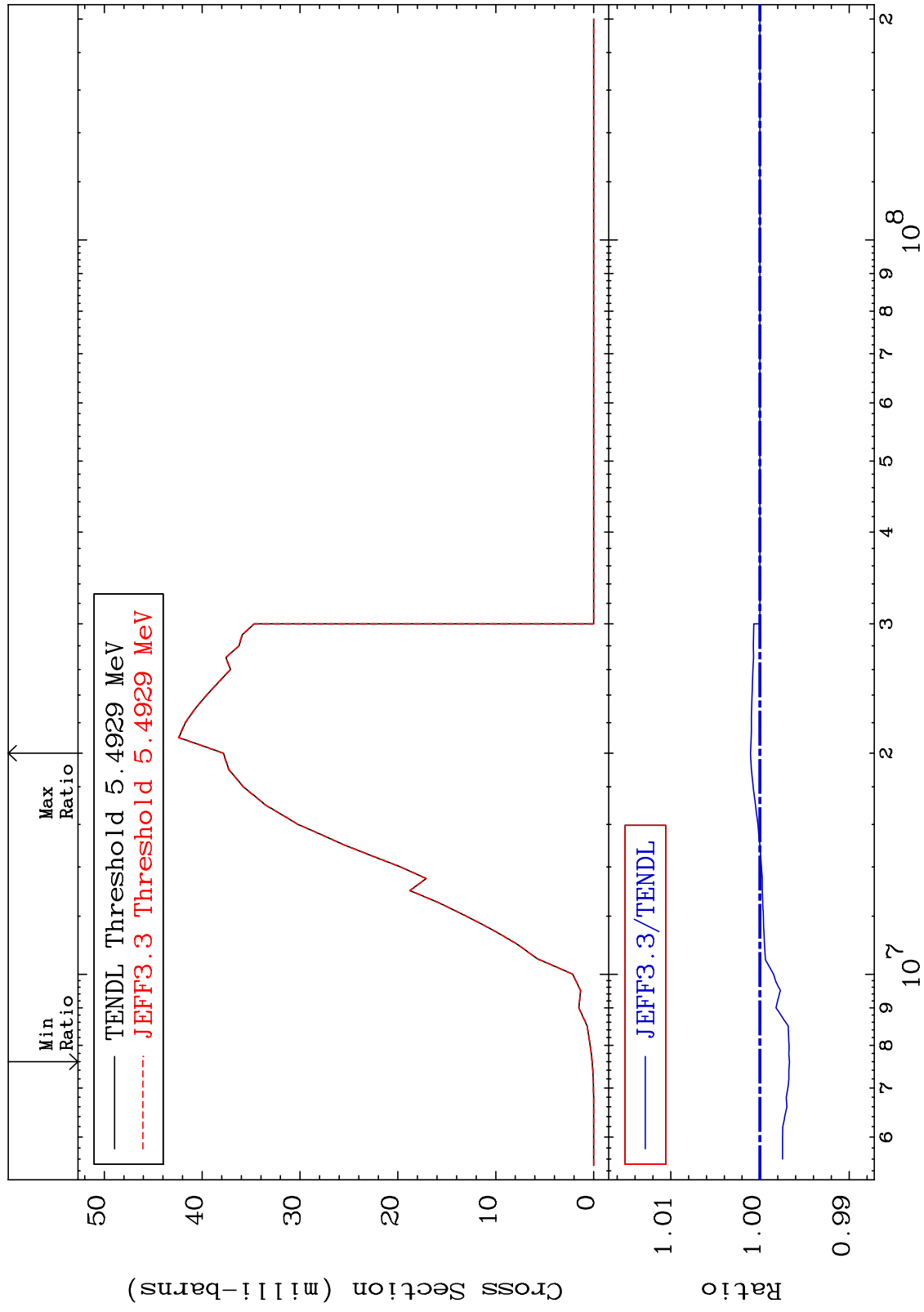
Cross Section



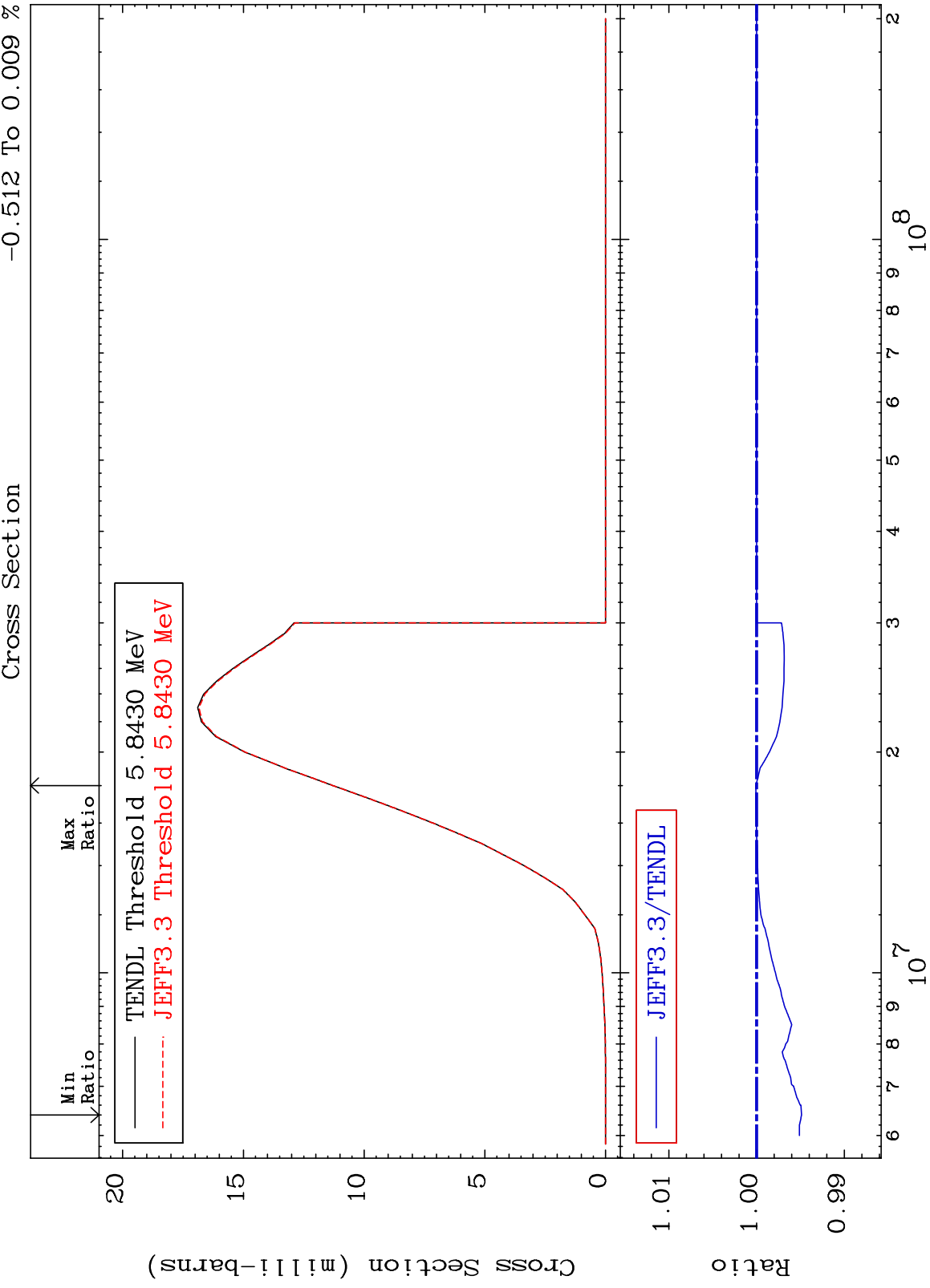
MAT 1928 (n,p) 19-K -40 -7.128 To 7.838 %



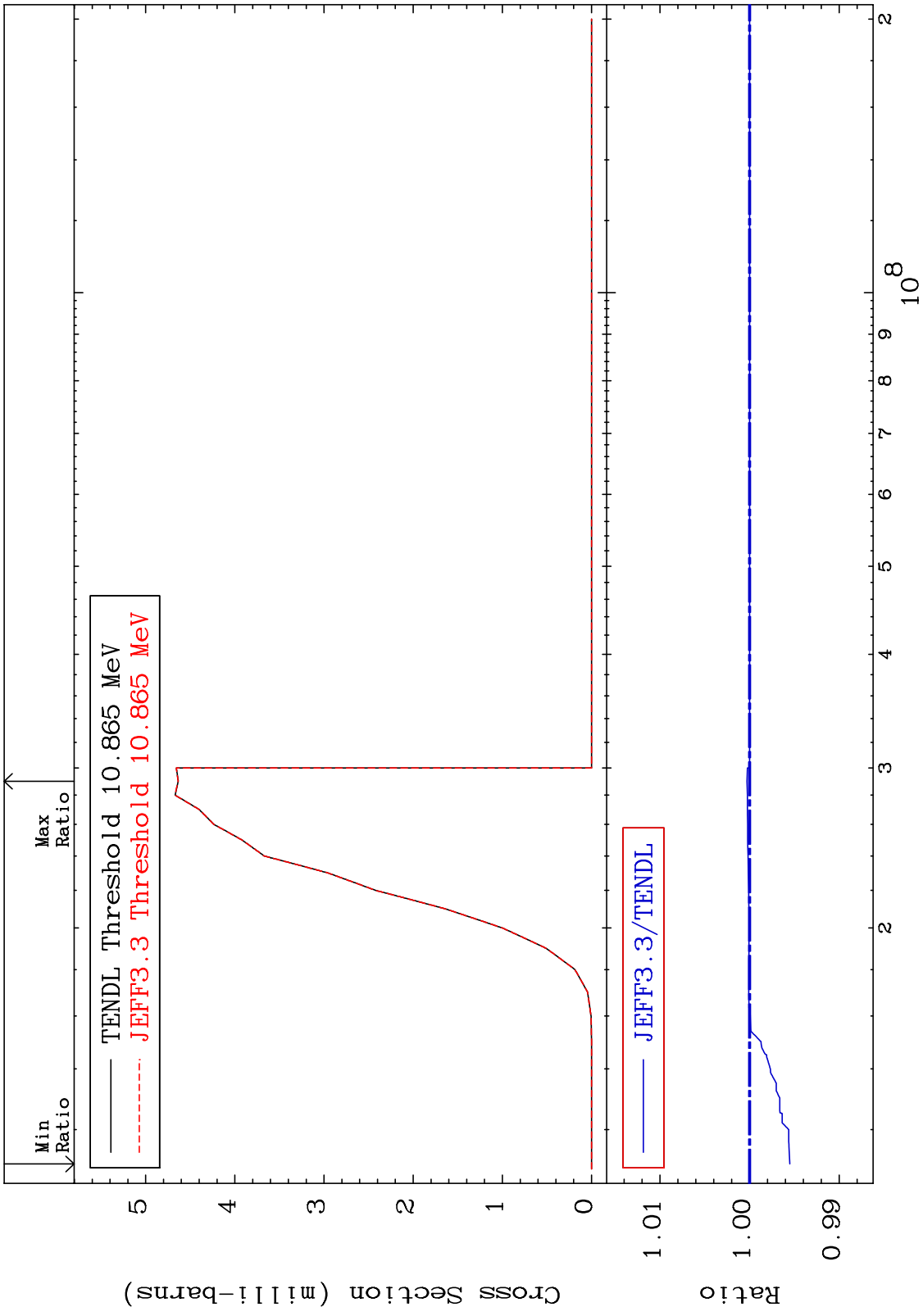
MAT 1928 (n,d) Cross Section 19-K -40 -0.331 To 0.107 %



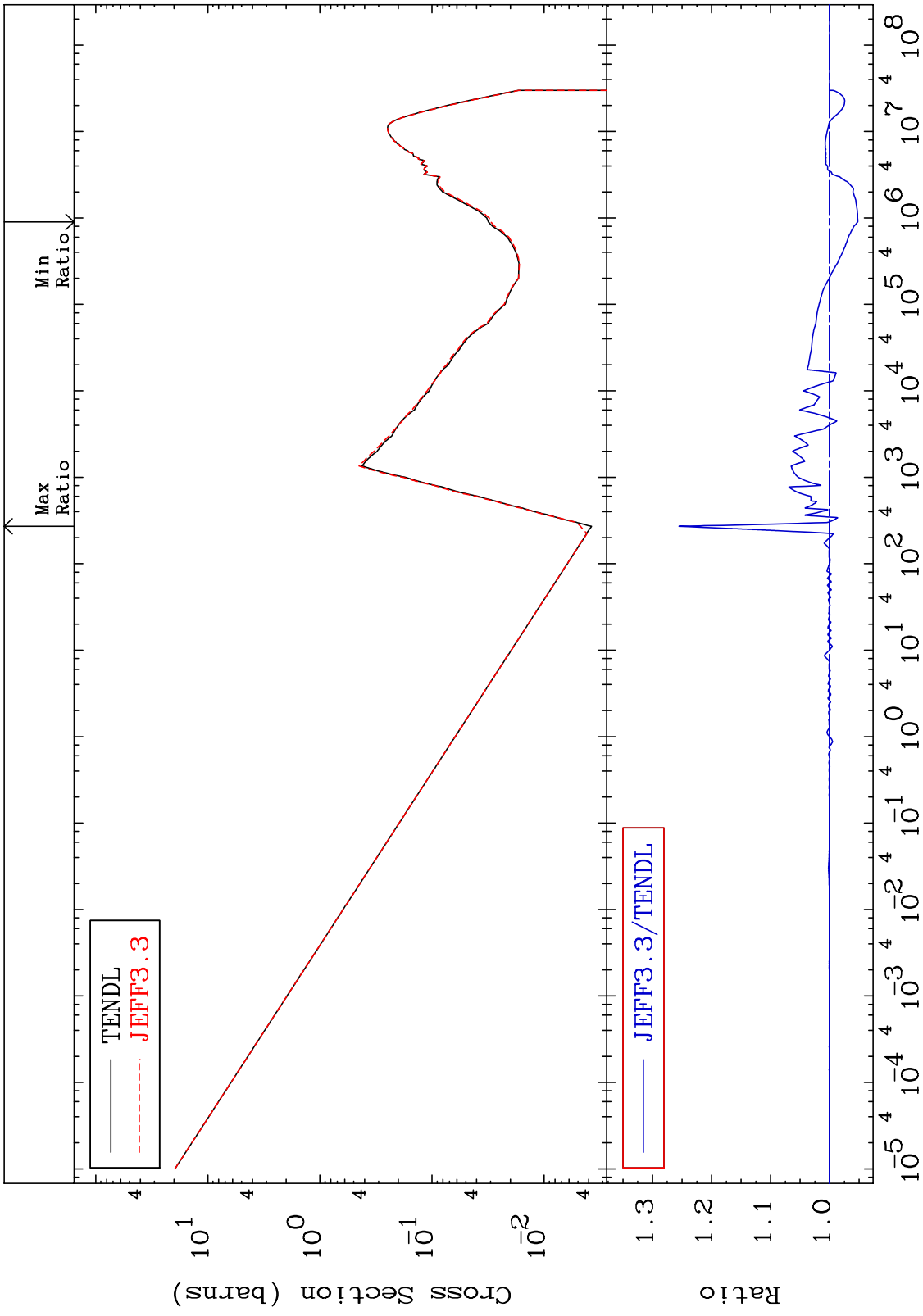
50 19-K -40



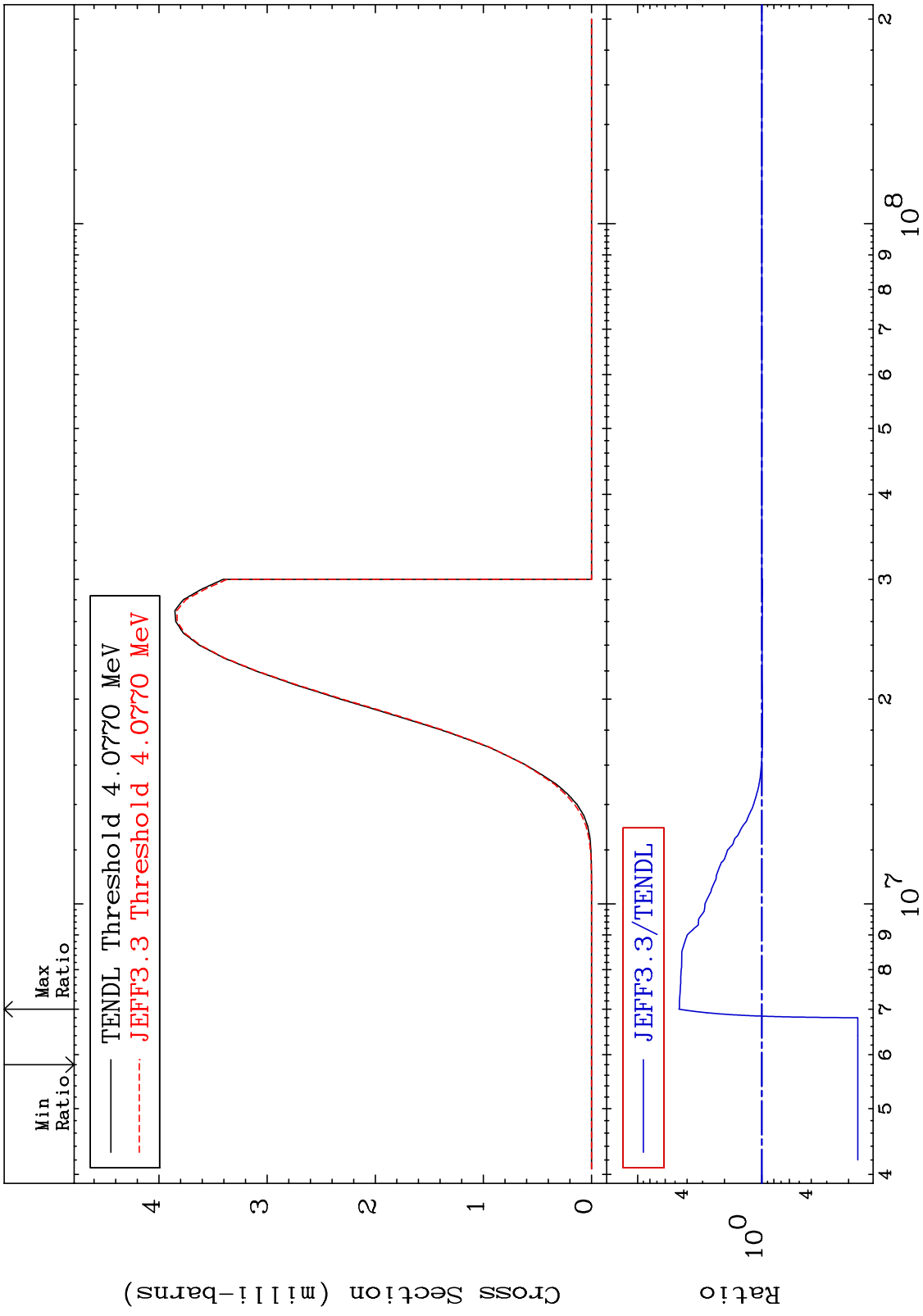
MAT 1928 (n, He-3) Cross Section 19-K -40
 -0.450 To 0.028 %



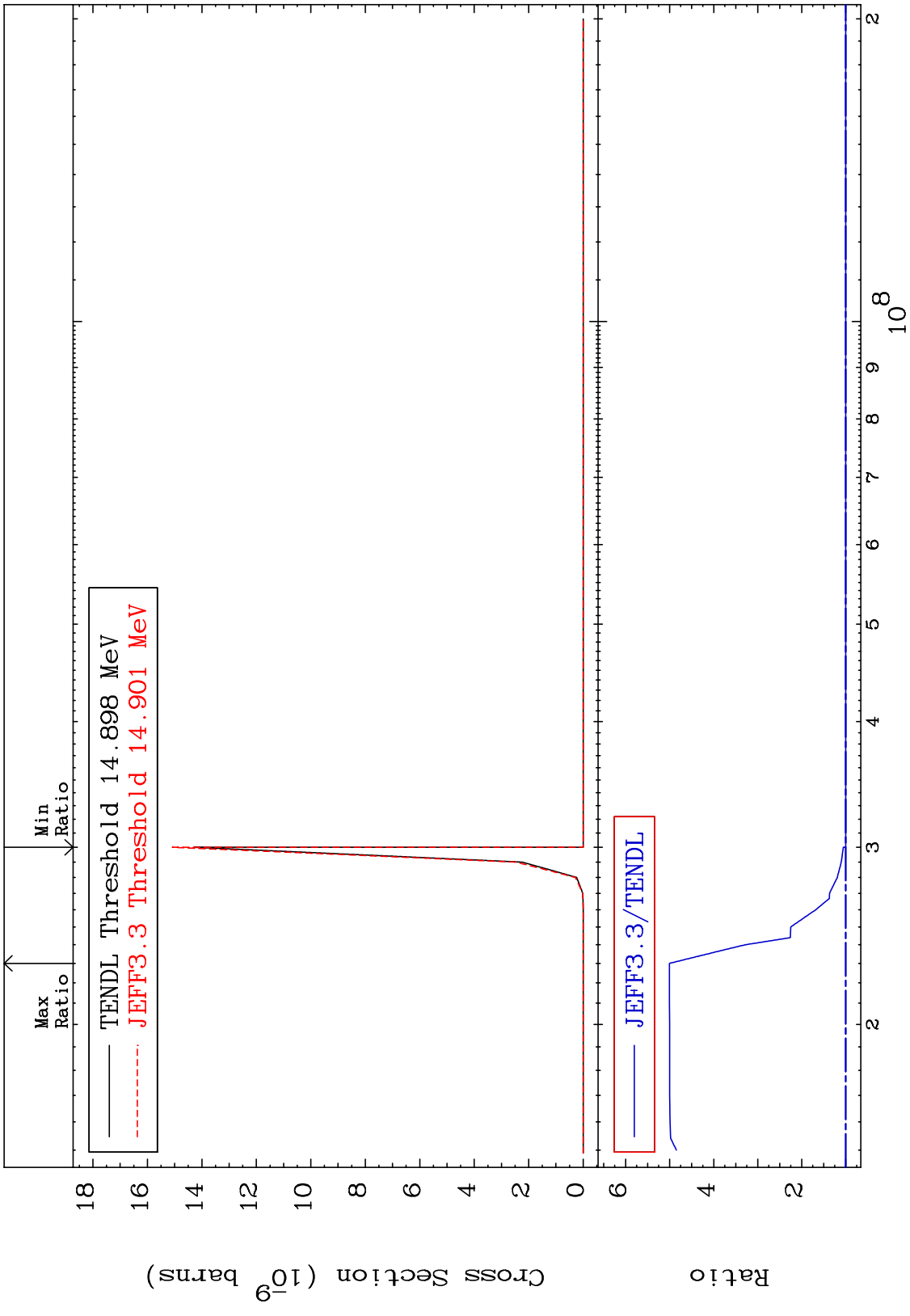
MAT 1928 (n, α) Cross Section 19-K -40 -4.783 To 25.51 %



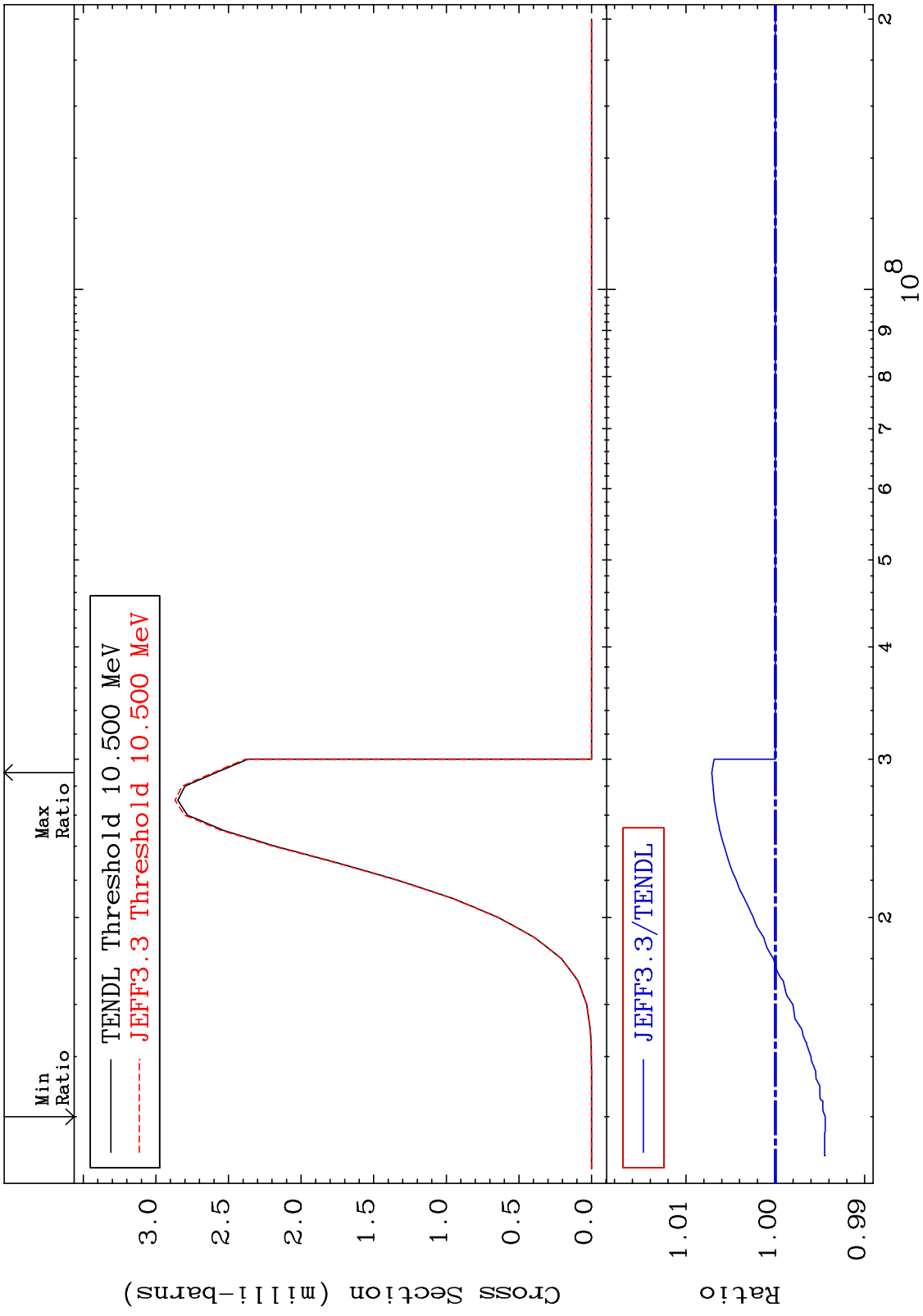
MAT 1928 (n,2α) Cross Section 19-K -40
 -83.12 To 365.1 %



MAT 1928 (n,3α) Cross Section 19-K -40 To 400.5 %

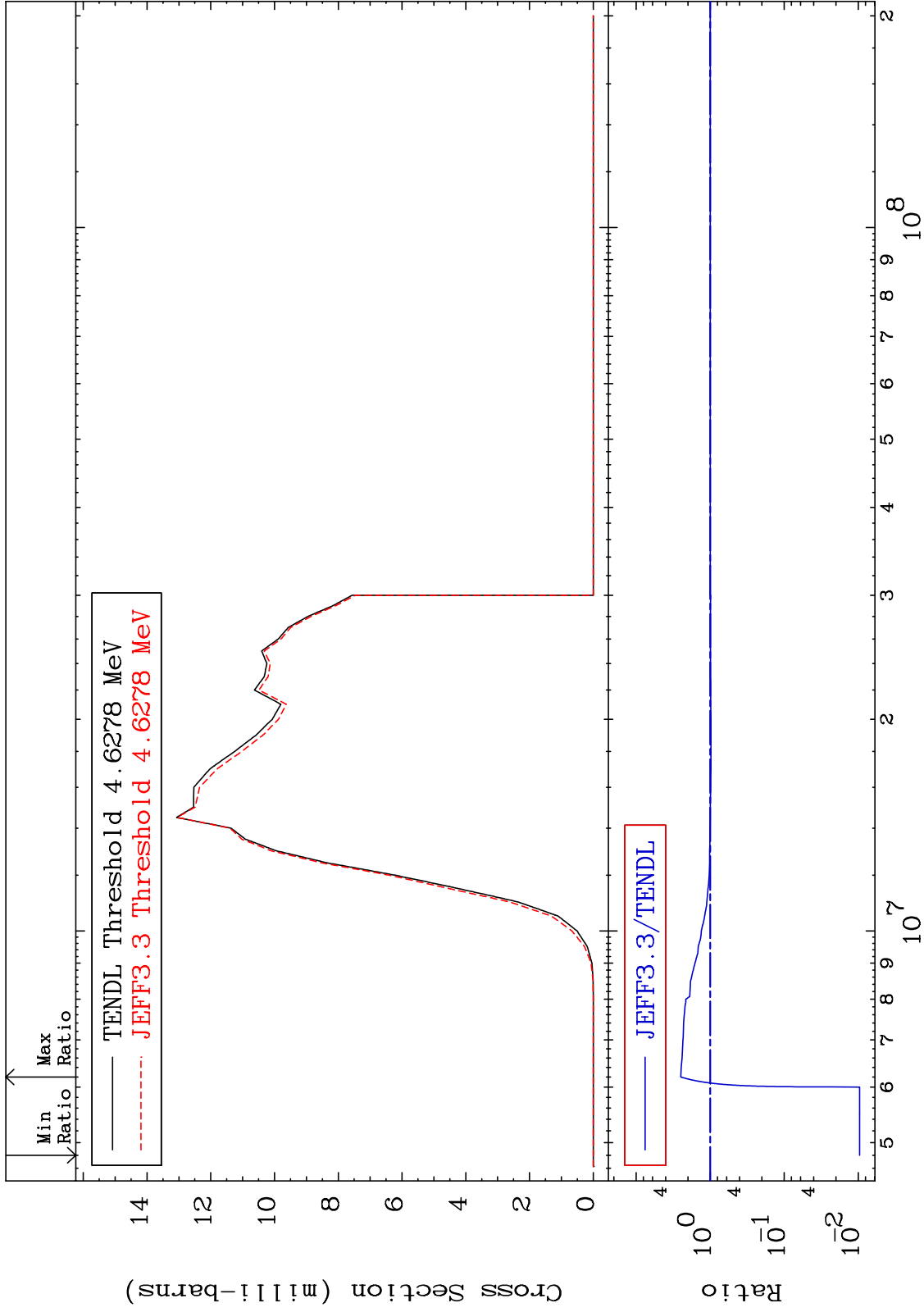


MAT 1928 (n,2p) Cross Section 19-K -40 -0.558 To 0.712 %



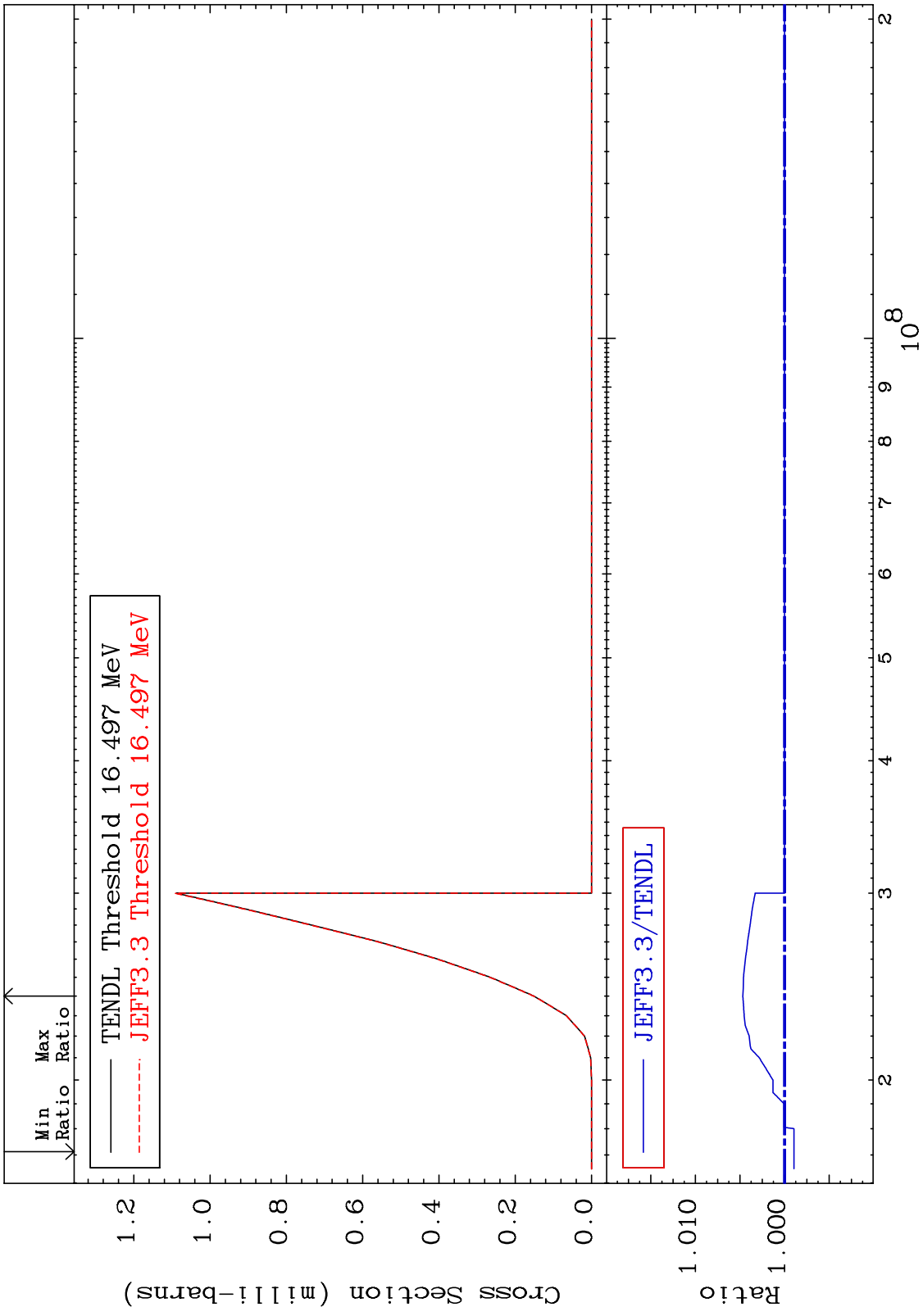
MAT 1928 (n,p) α 19-K -40

Cross Section -99.04 To 149.5 %

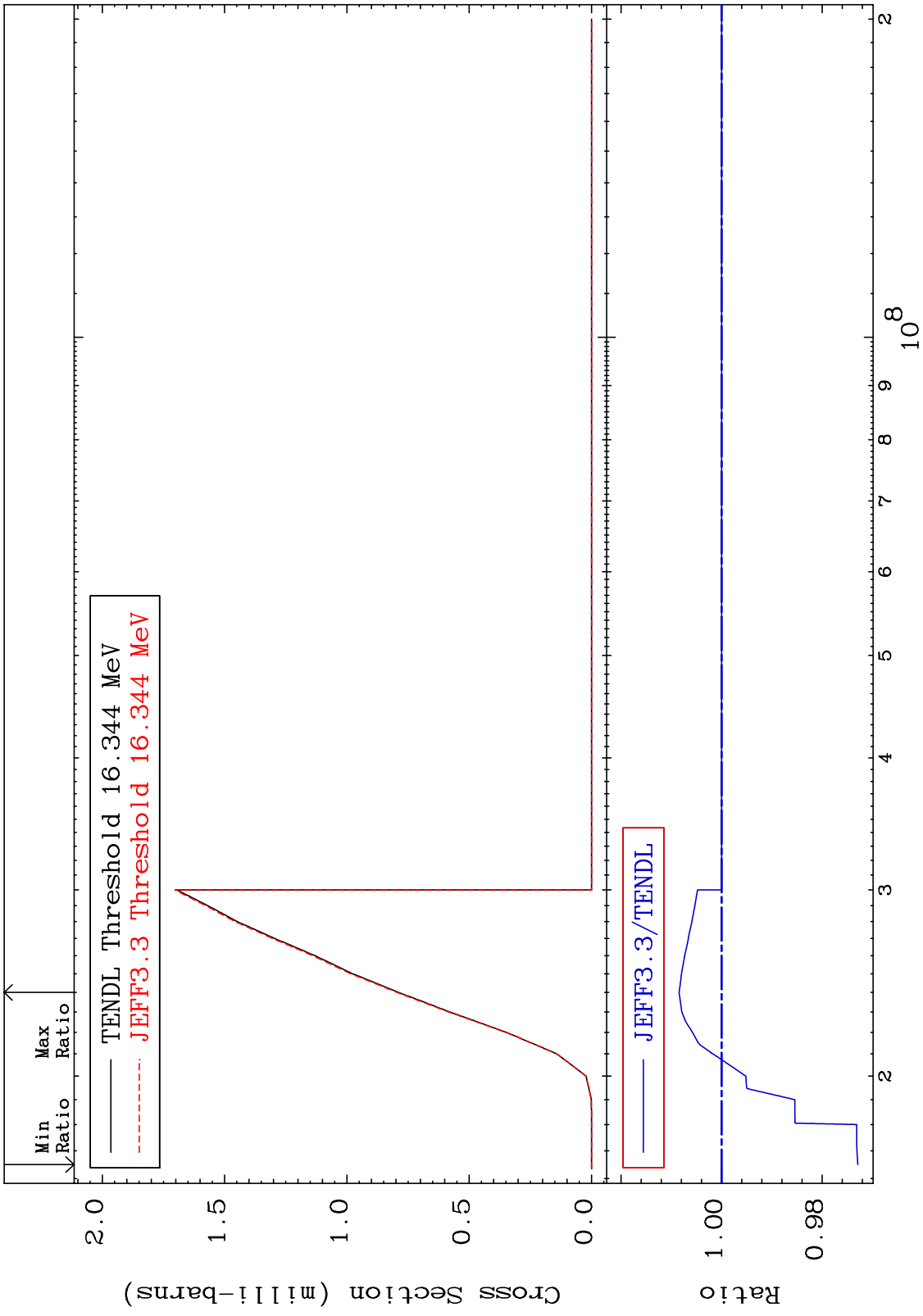


57 19-K -40

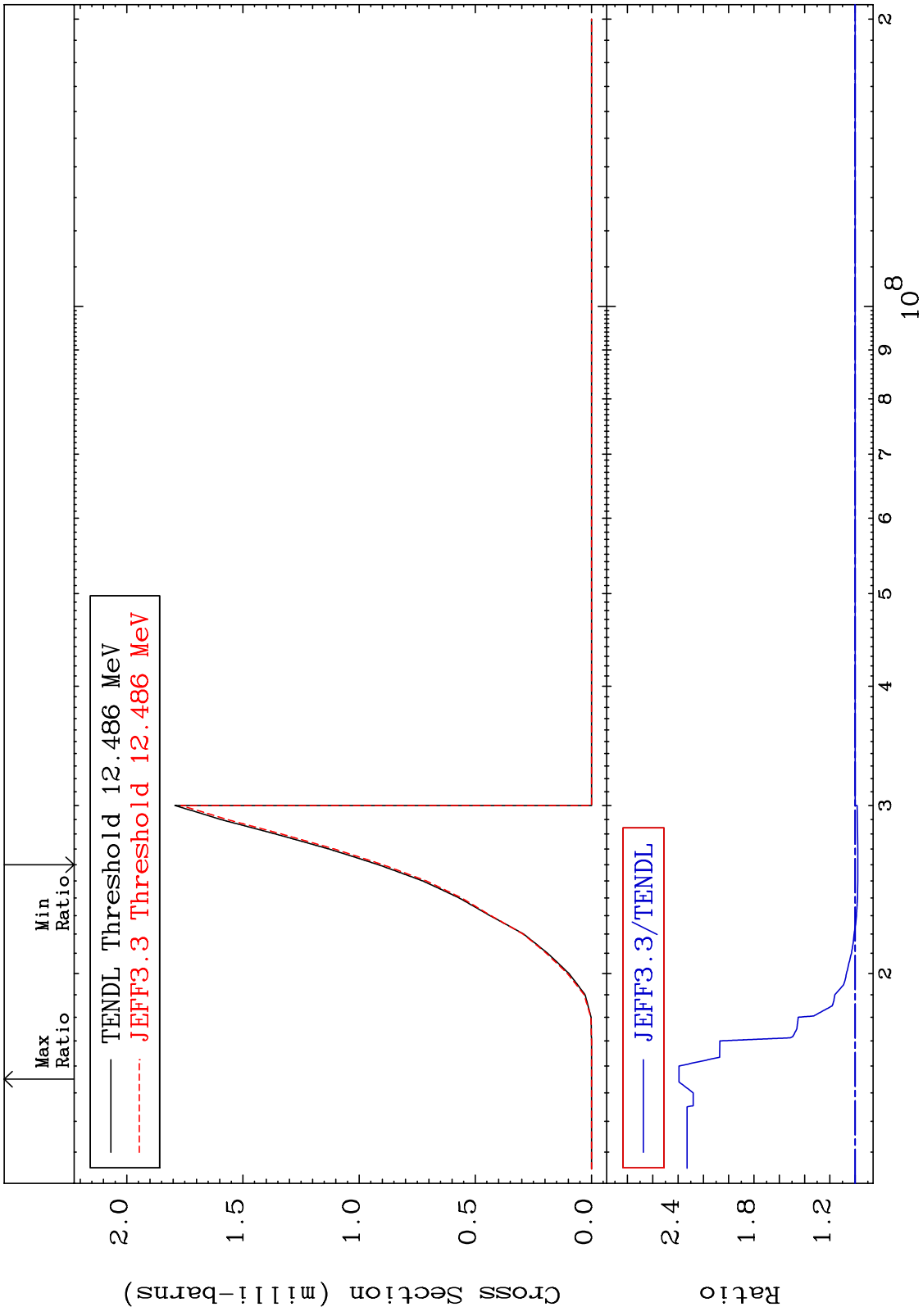
MAT 1928 (n,p) d 19-K -40
 Cross Section -0.106 To 0.467 %



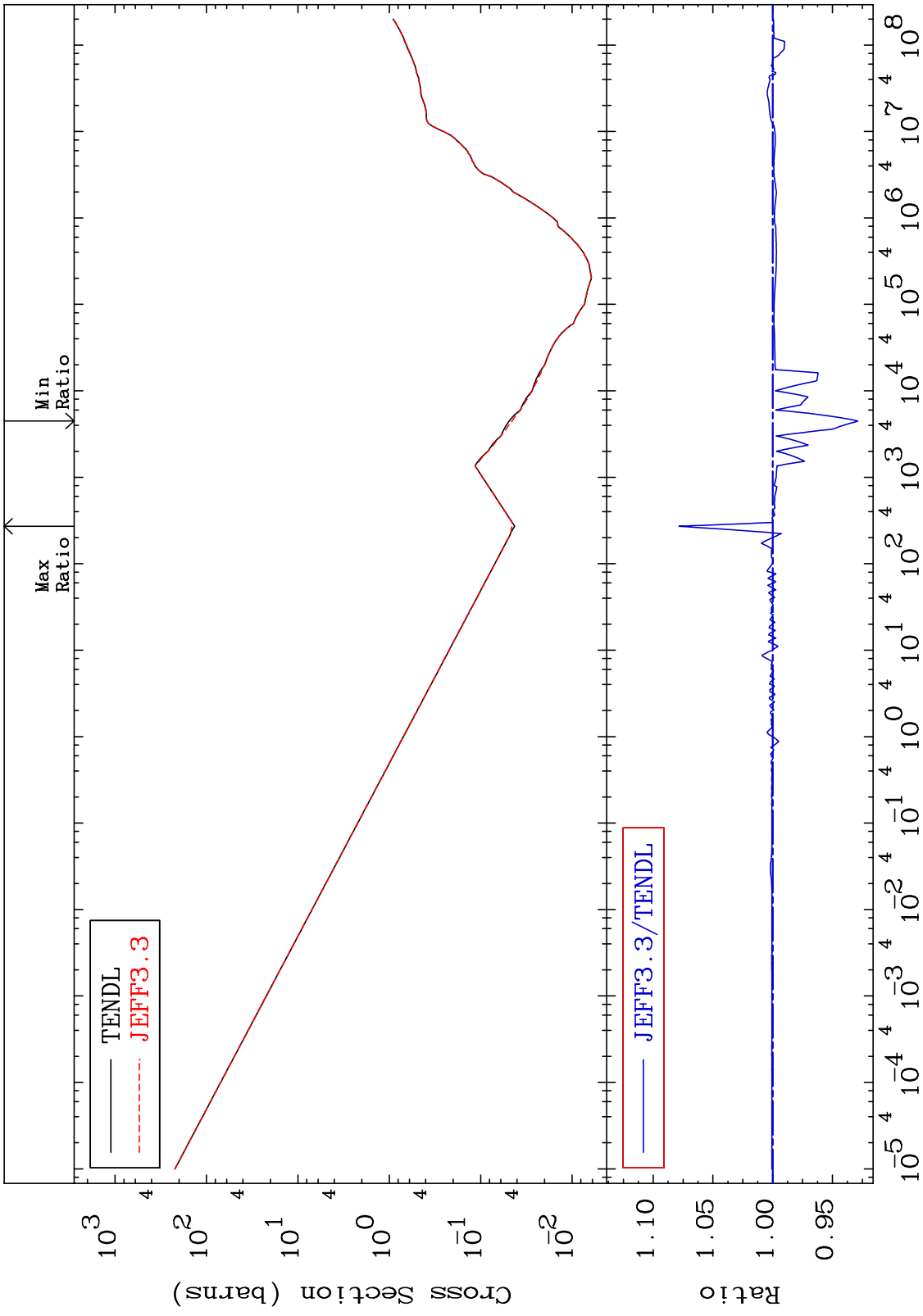
MAT 1928 (n,p) t 19-K -40
 Cross Section -2.709 To 0.847 %

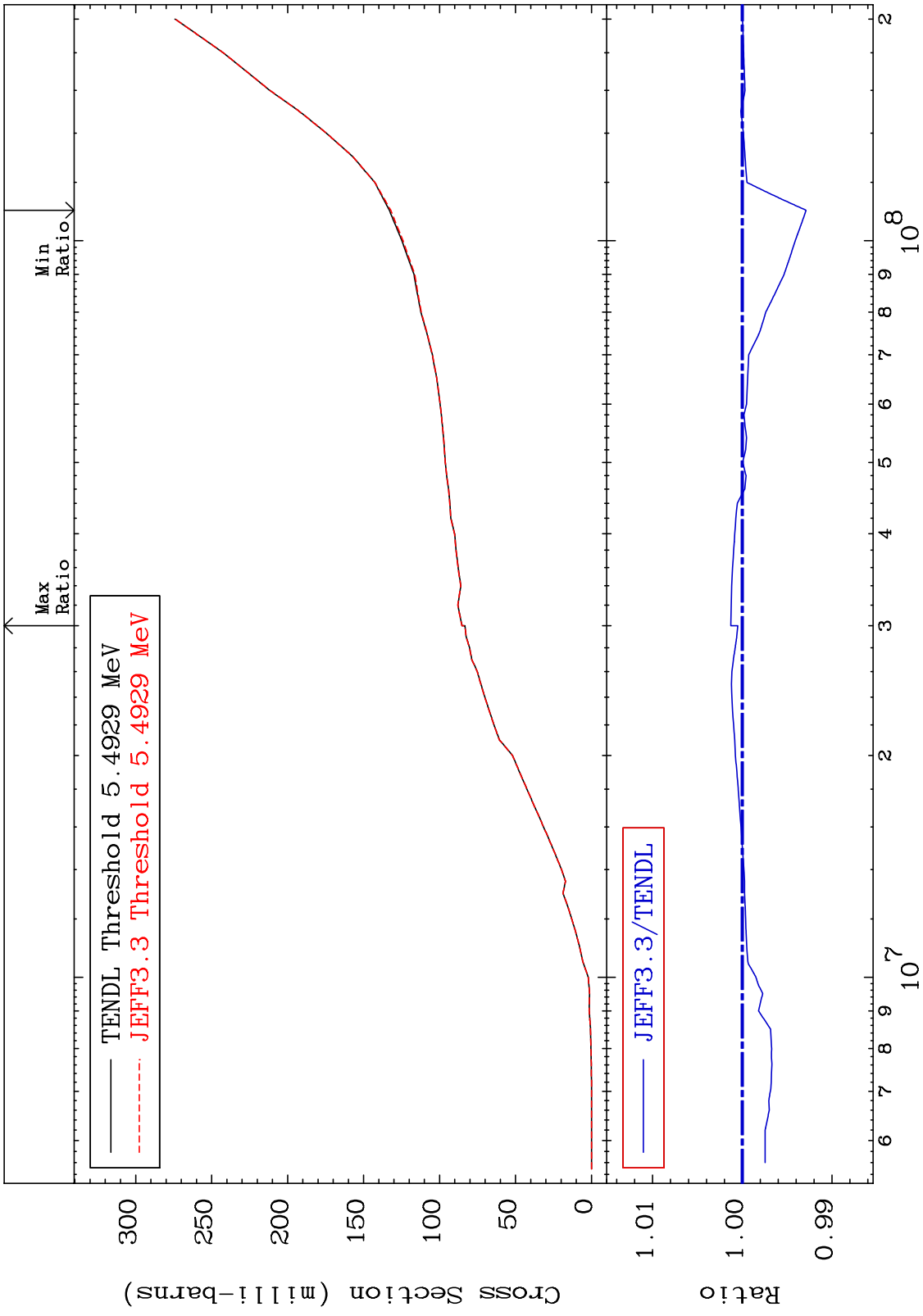


MAT 1928 (n,d) α 19-K -40
 Cross Section -2.094 To 139.2 %

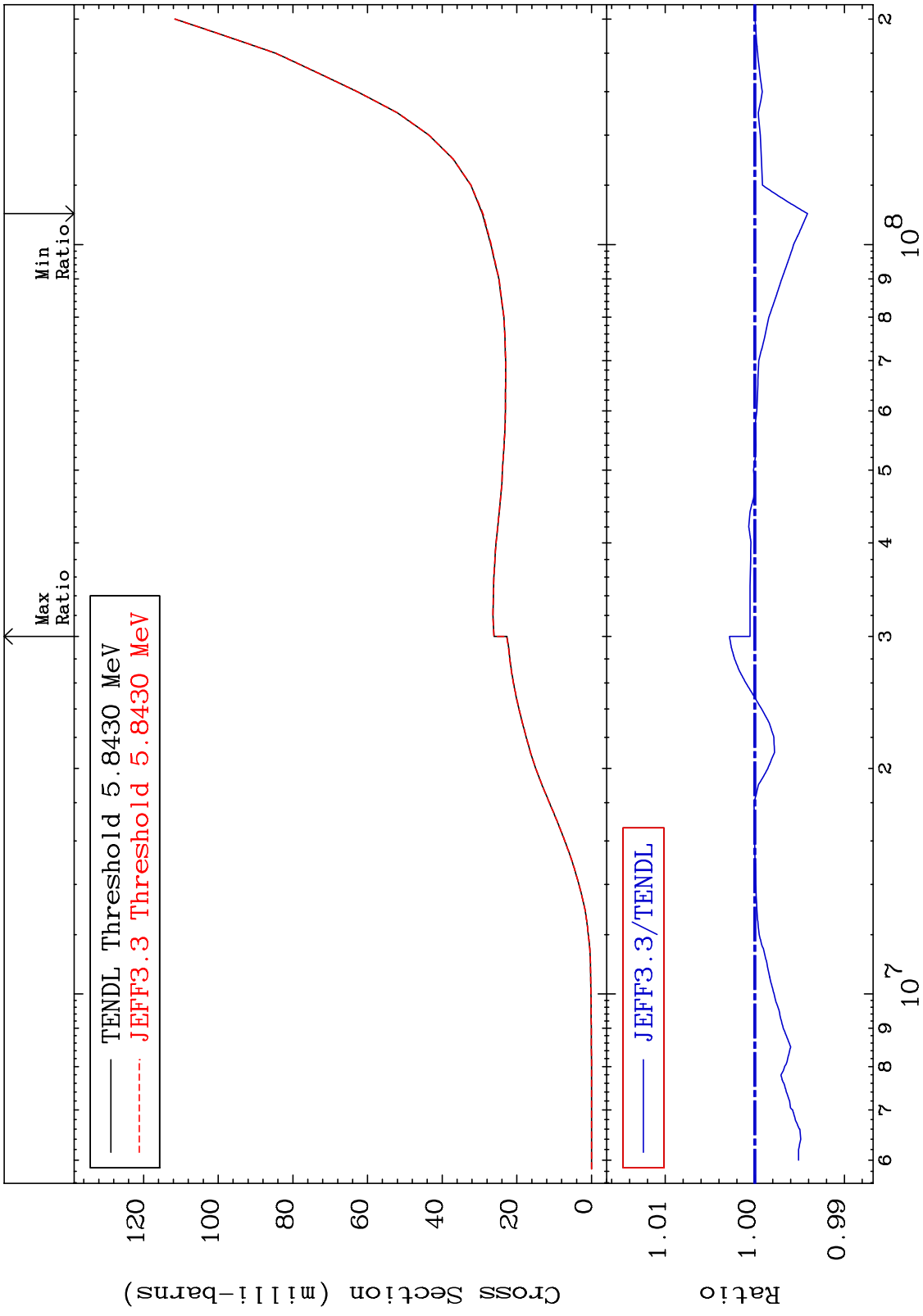


MAT 1928 Hydrogen Production Cross Section 19-K -40
 -7.128 To 7.838 %

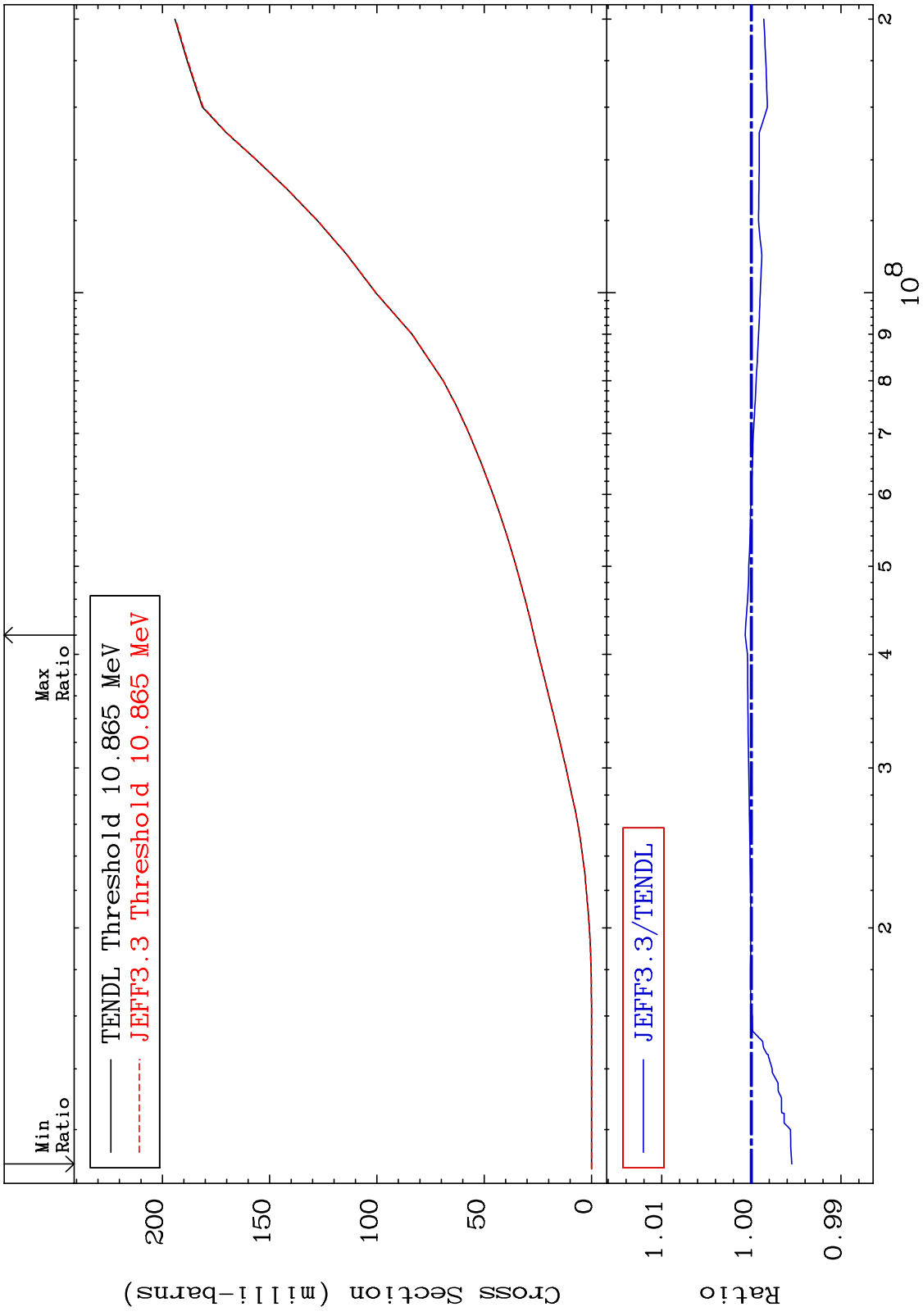




MAT 1928 Tritium Production Cross Section 19-K -40 -0.588 To 0.284 %



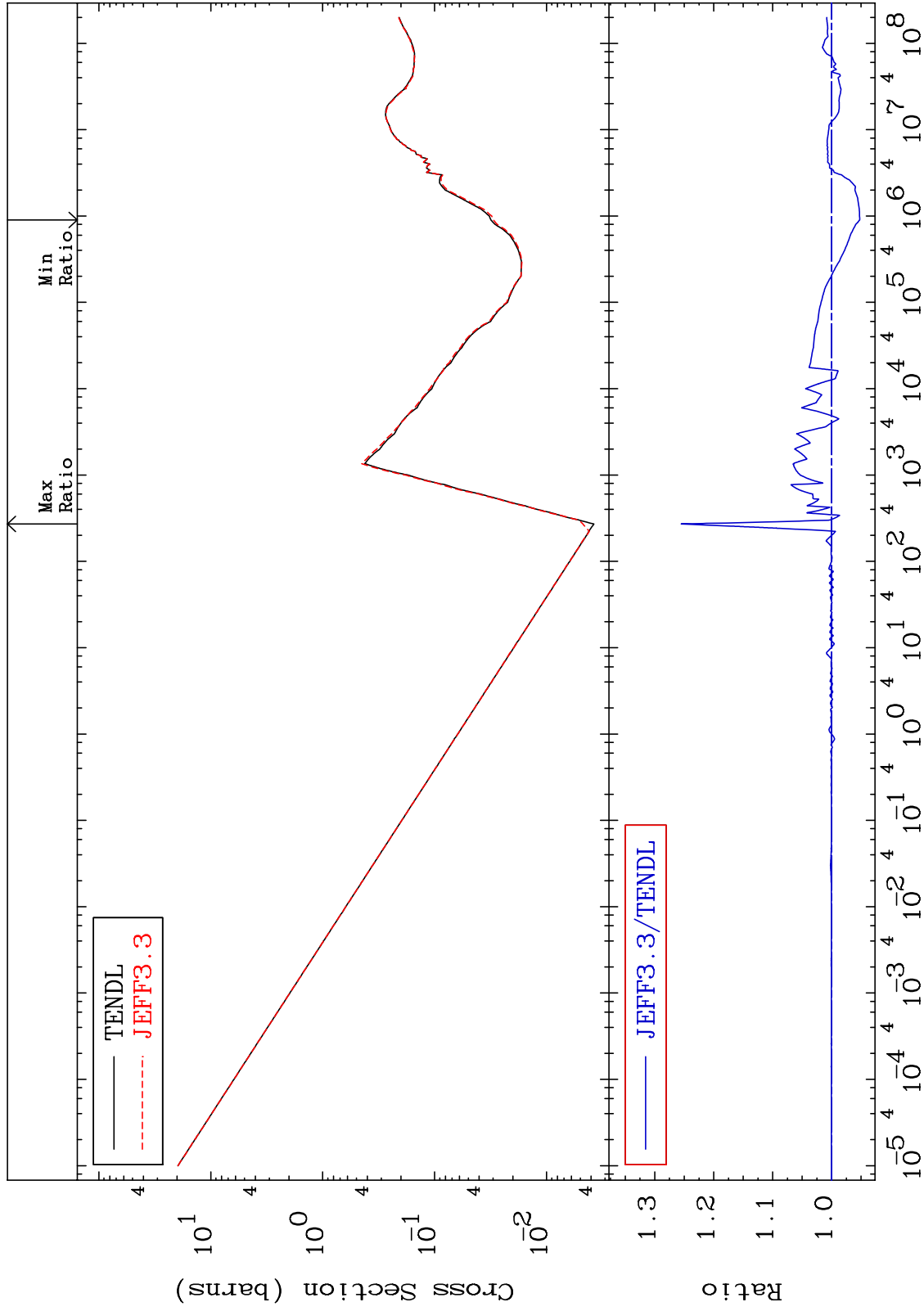
MAT 1928 He-3 Production Cross Section 19-K -40 -0.450 To 0.069 %



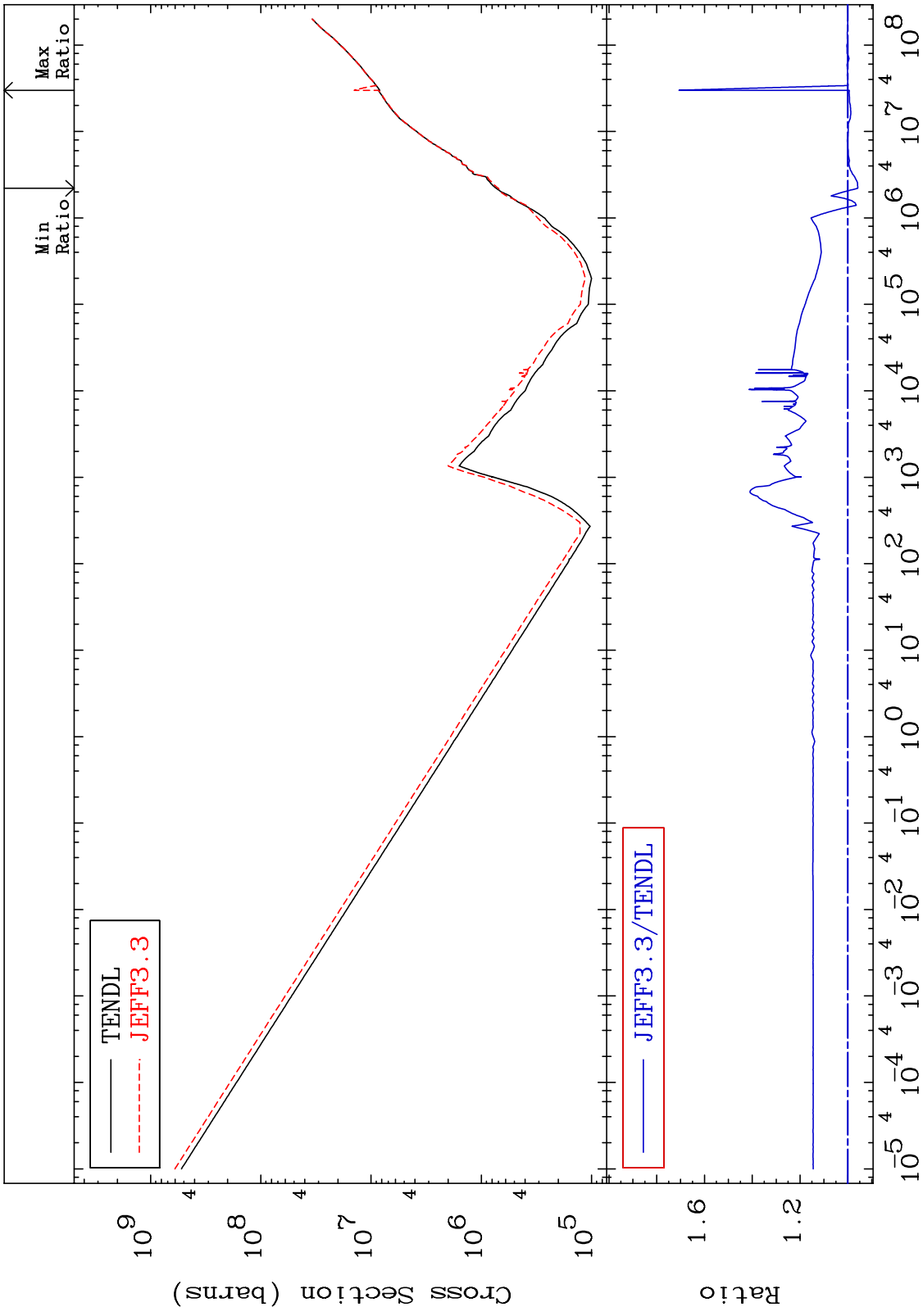
MAT 1928

He-4 Production
Cross Section

19-K -40
-4.783 To 25.51 %



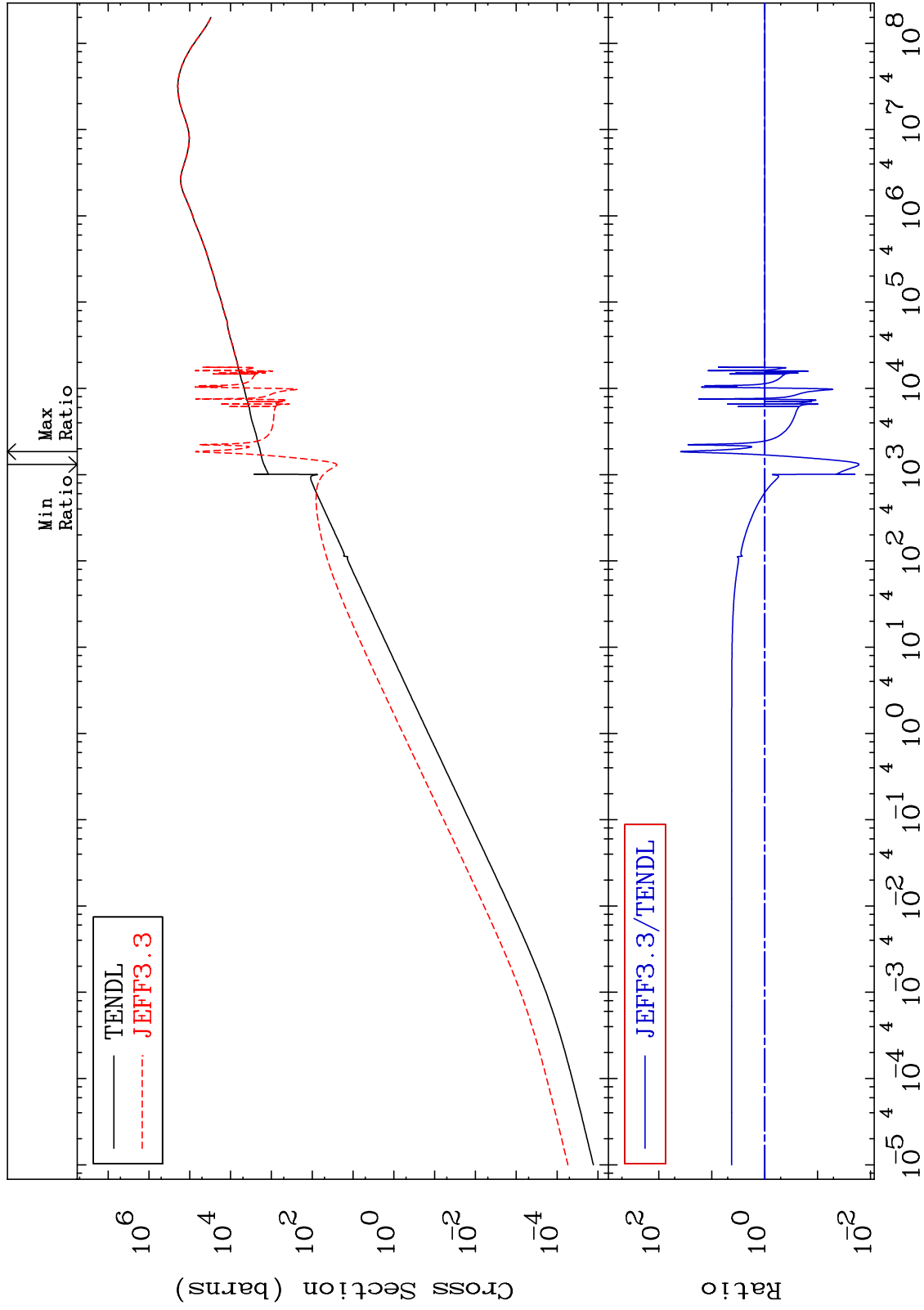
MAT 1928 Kerma total (eV-barns) Cross Section 19-K -40
 -4.191 To 70.65 %



MAT 1928

Kerma elastic
Cross Section

19-K -40
-98.35 To 3776. %

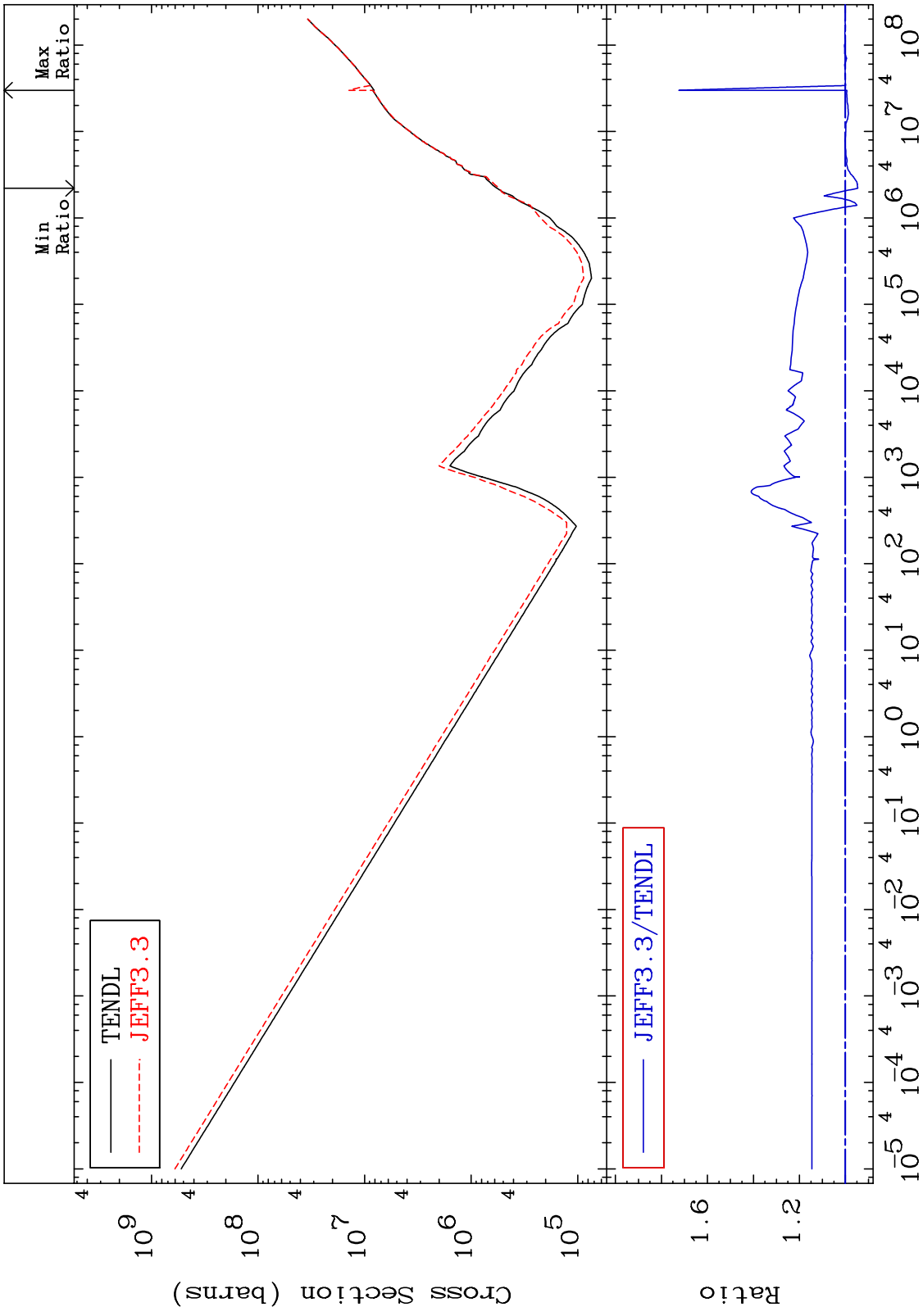


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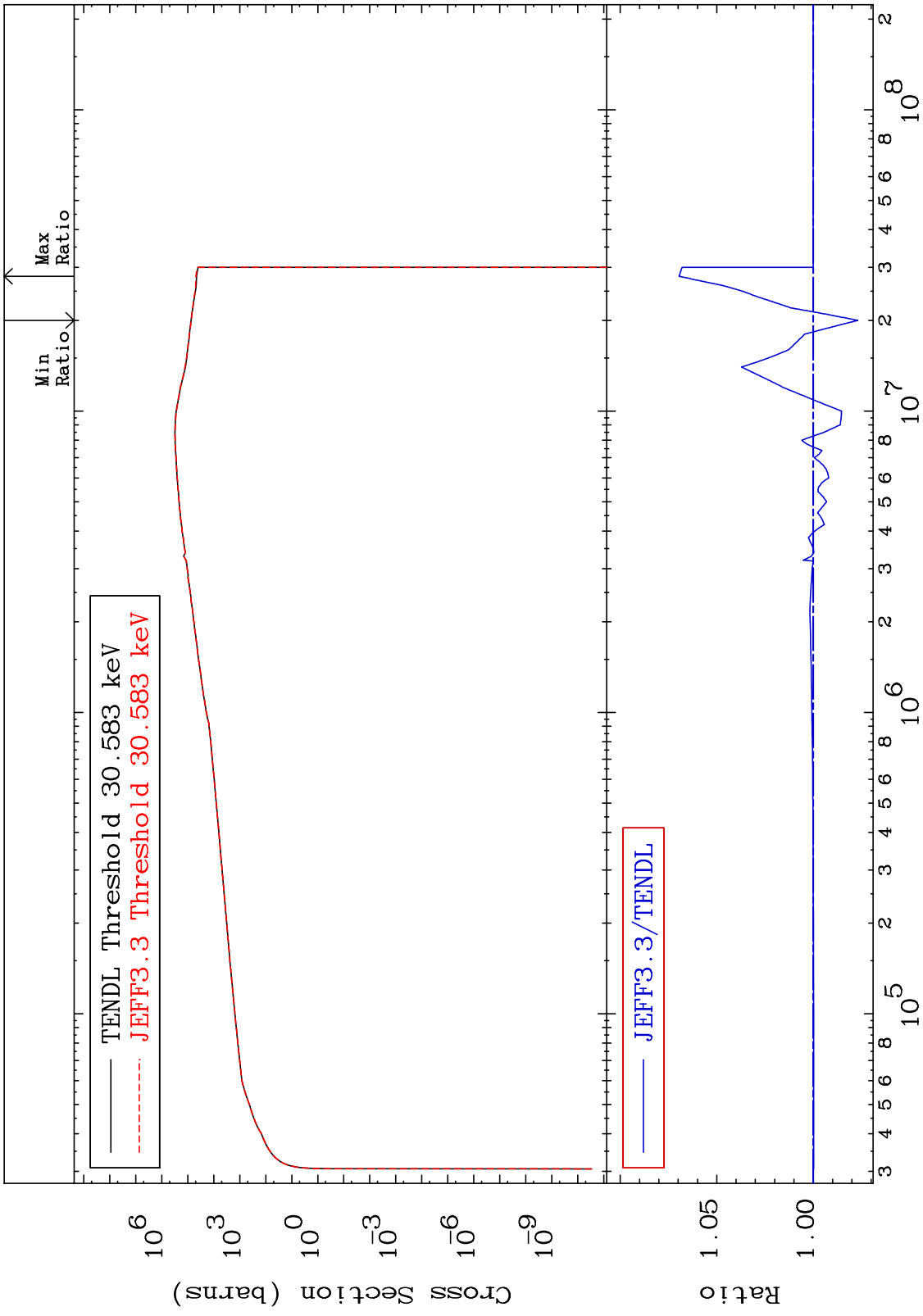
Incident Energy (eV)

19-K -40

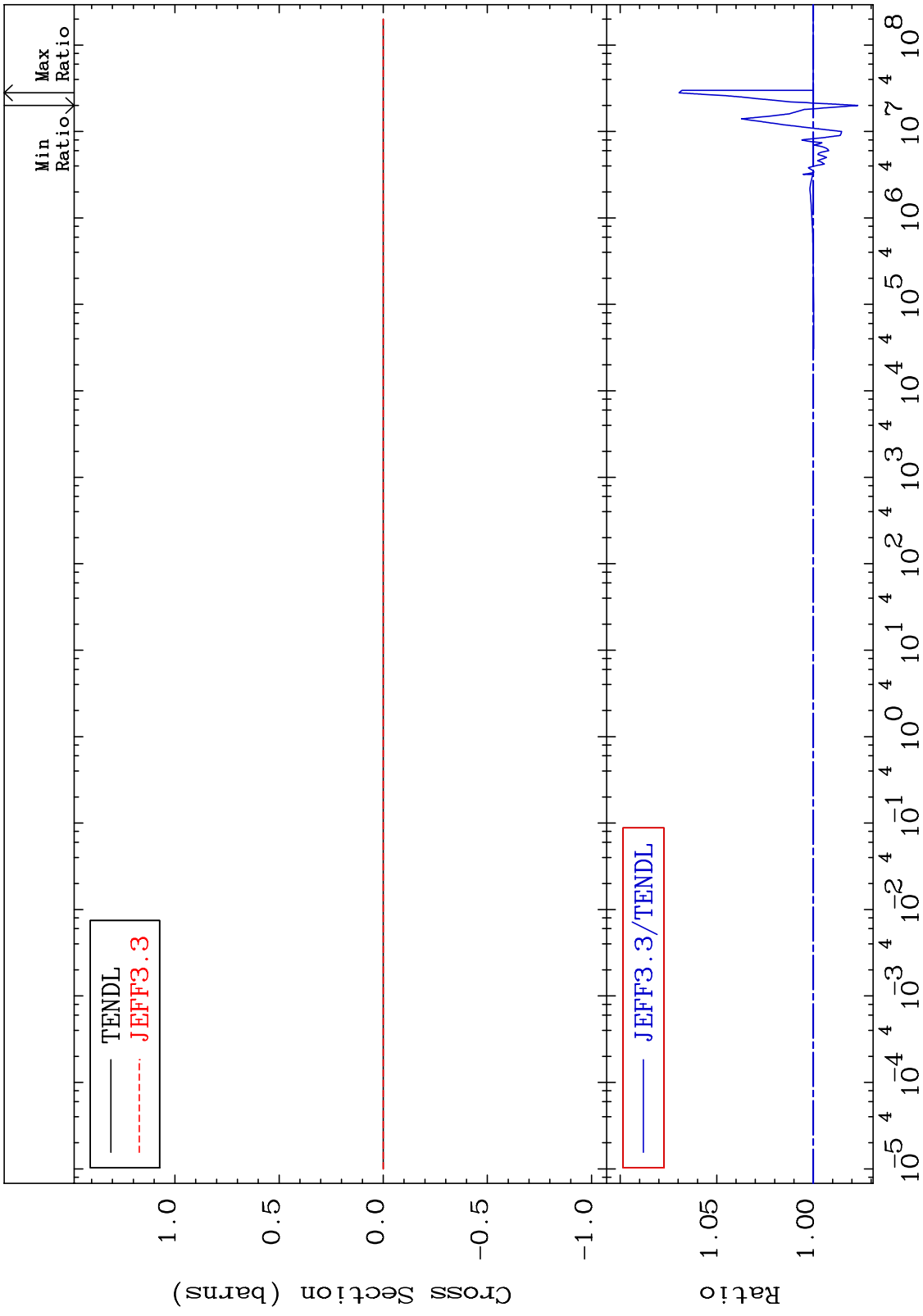
MAT 1928 Kerma non-elastic (all but mt2) Cross Section 19-K -40
 -5.409 To 72.35 %



MAT 1928 Kerma inelastic (mt51-91) 19-K -40
 Cross Section -2.310 To 6.954 %

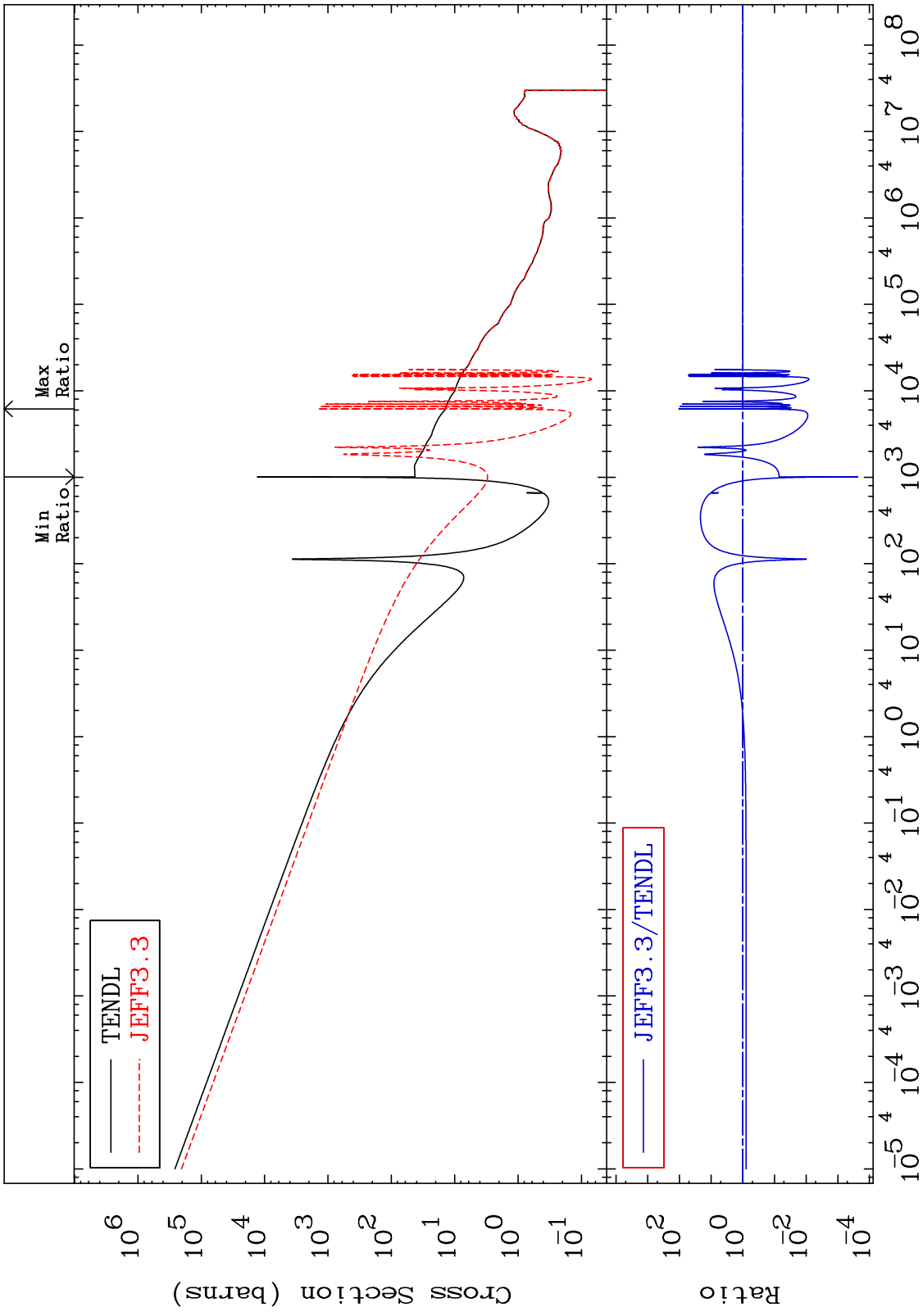


MAT 1928 Kerma fission (mt18 or mt19-20-21-38) 19-K -40
Cross Section -2.310 To 6.954 %



70 Incident Energy (eV) 19-K -40

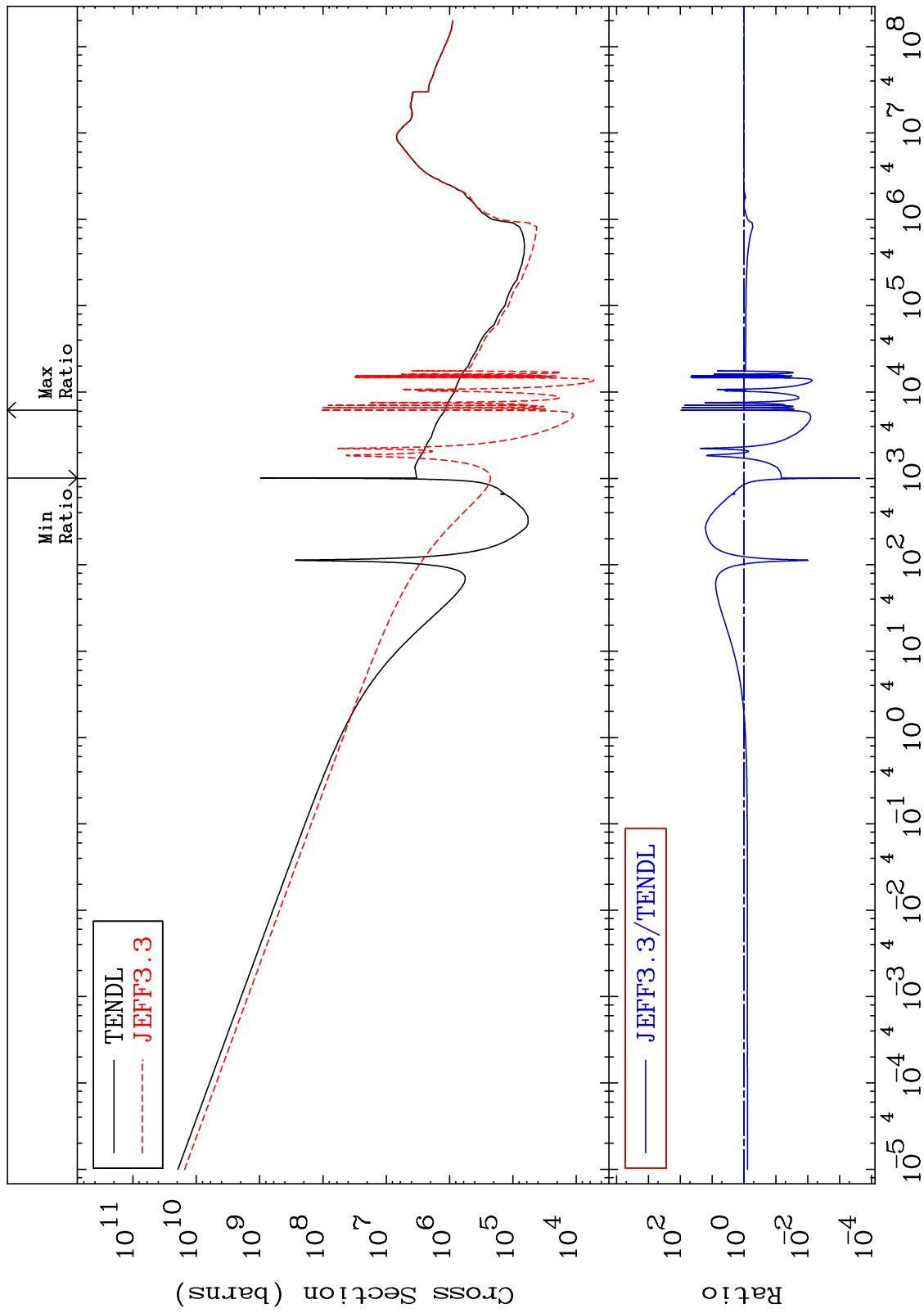
MAT 1928 Kerma capture (mt102) 19-K -40
 Cross Section -99.98 To 9999. %



MAT 1928

Total photon (eV-barns)
Cross Section

19-K -40
-99.98 To 9262. %

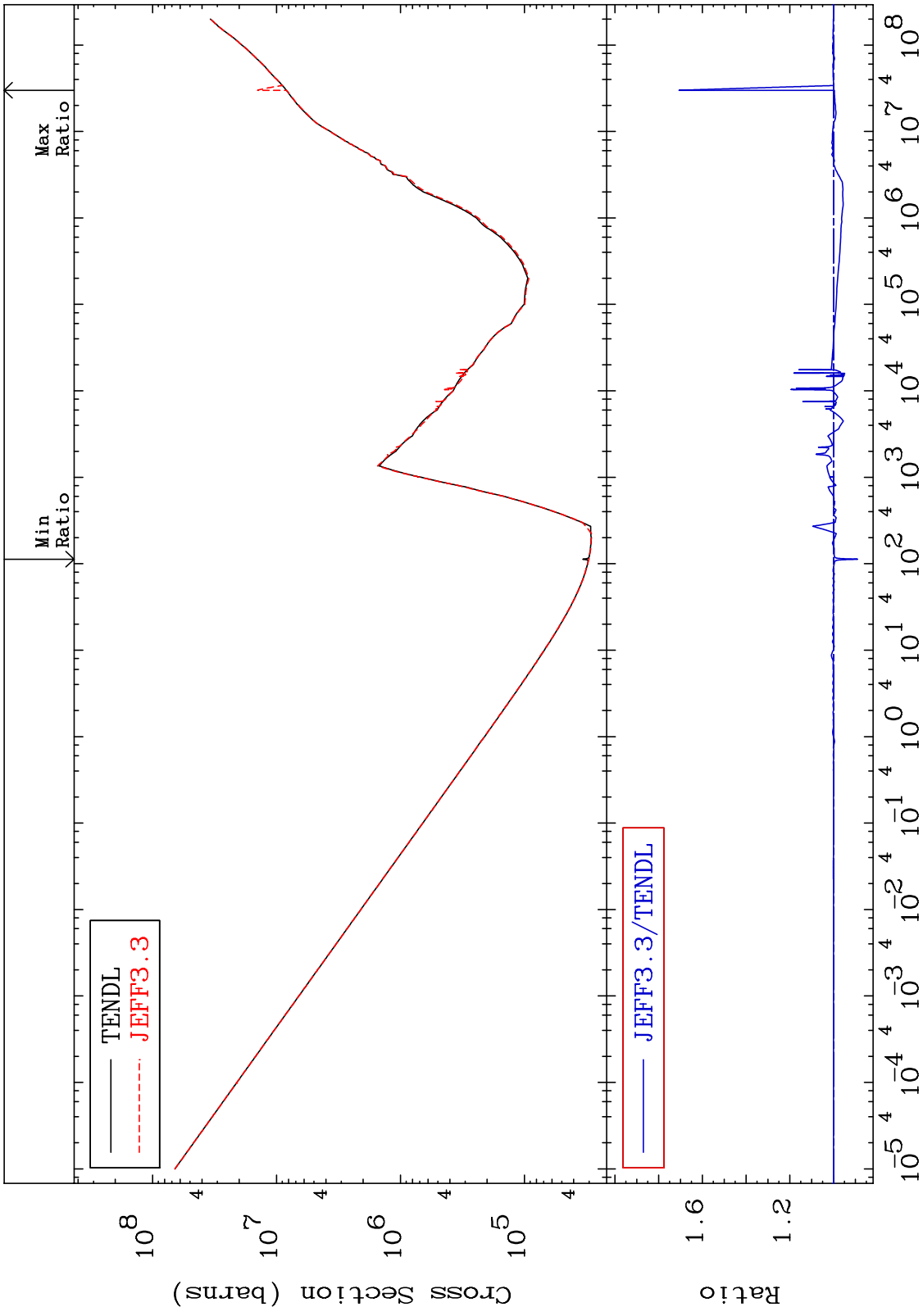


72

Incident Energy (eV)

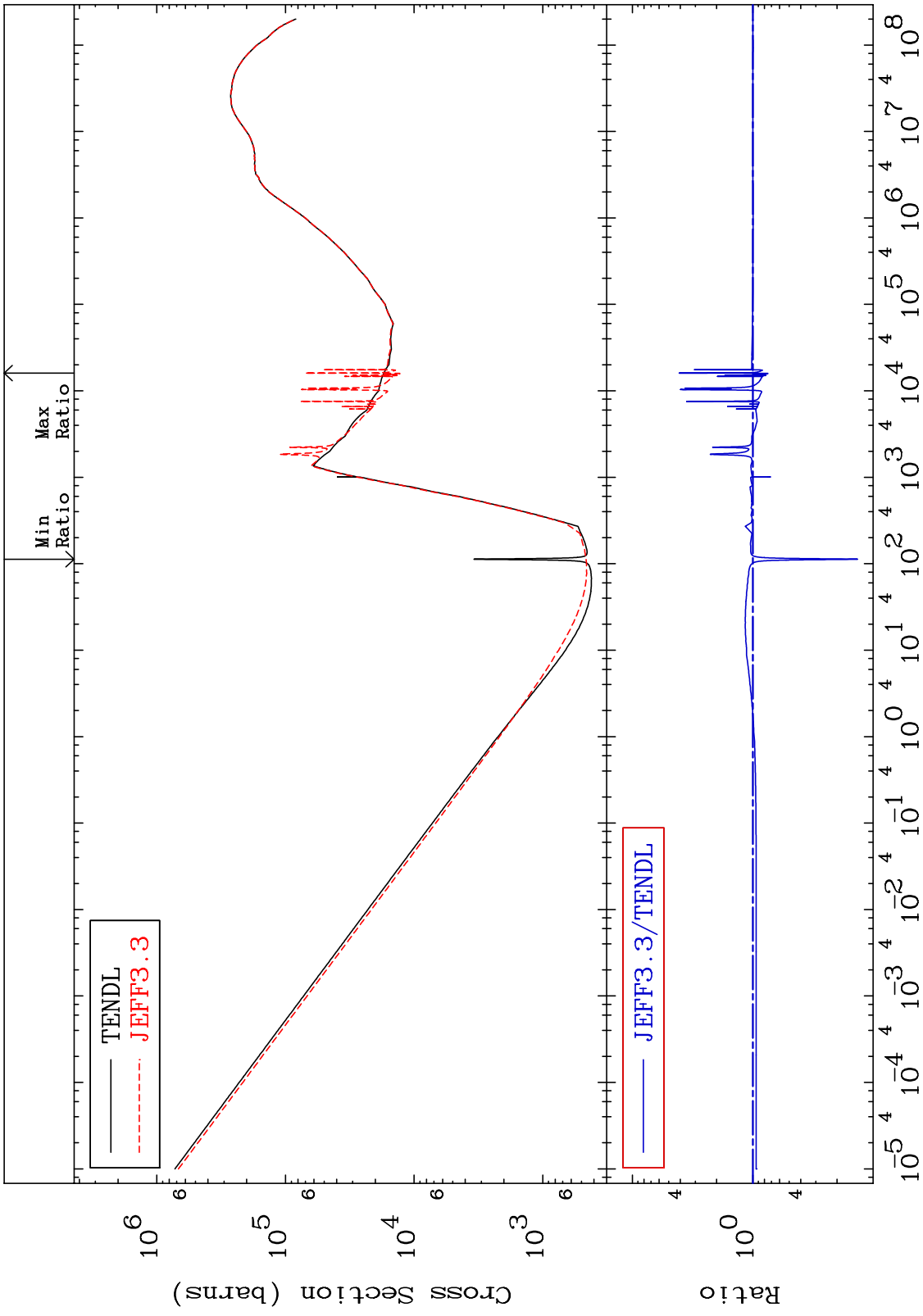
19-K -40

MAT 1928 Total kinematic kerma (high limit) Cross Section 19-K -40
 -11.14 To 70.65 %



73 Incident Energy (eV) 19-K -40

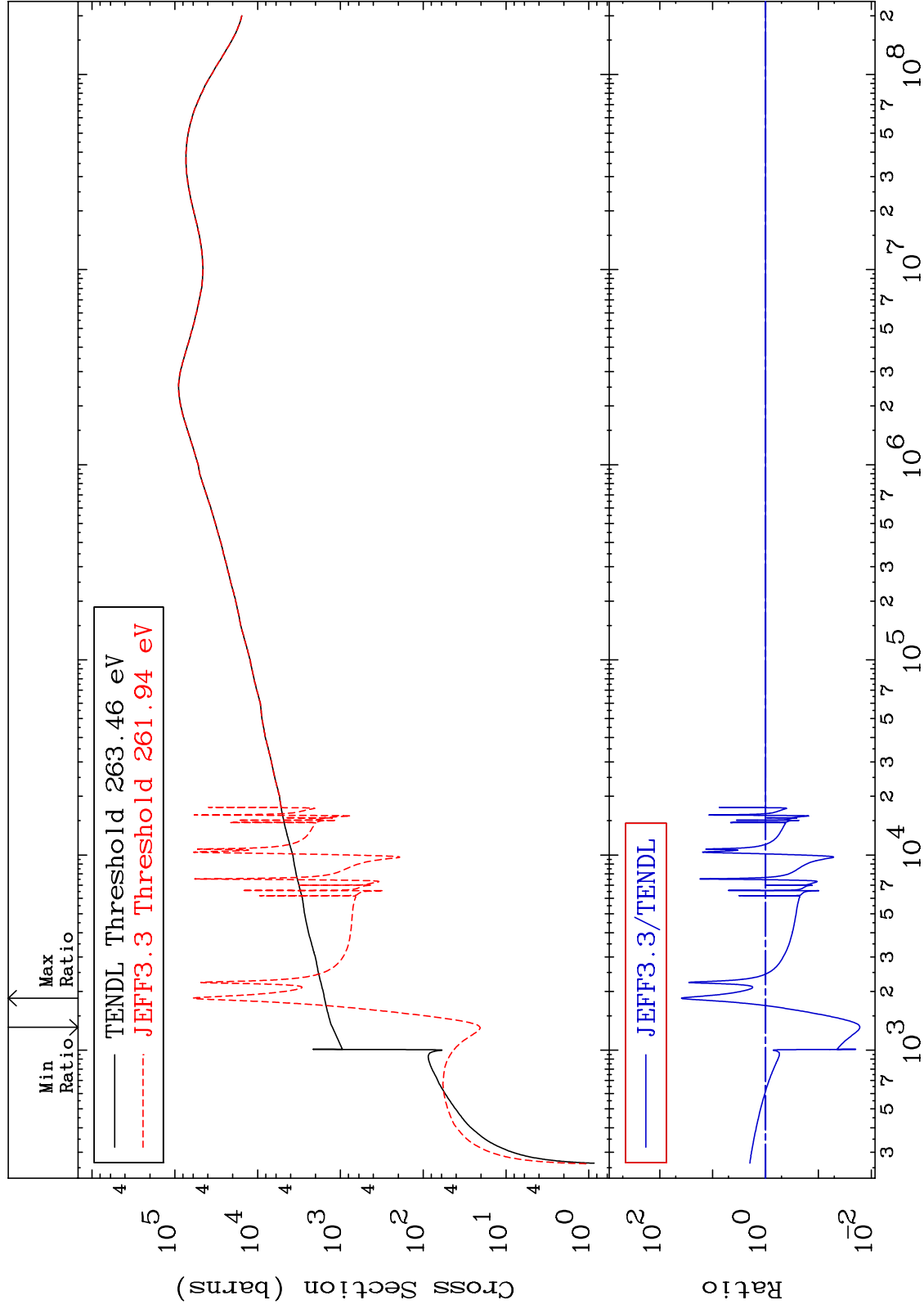
MAT 1928 Dpa total (eV-barns) 19-K -40
 Cross Section -86.56 To 309.9 %



MAT 1928

Dpa elastic (mt2)
Cross Section

19-K -40
-98.35 To 3780. %

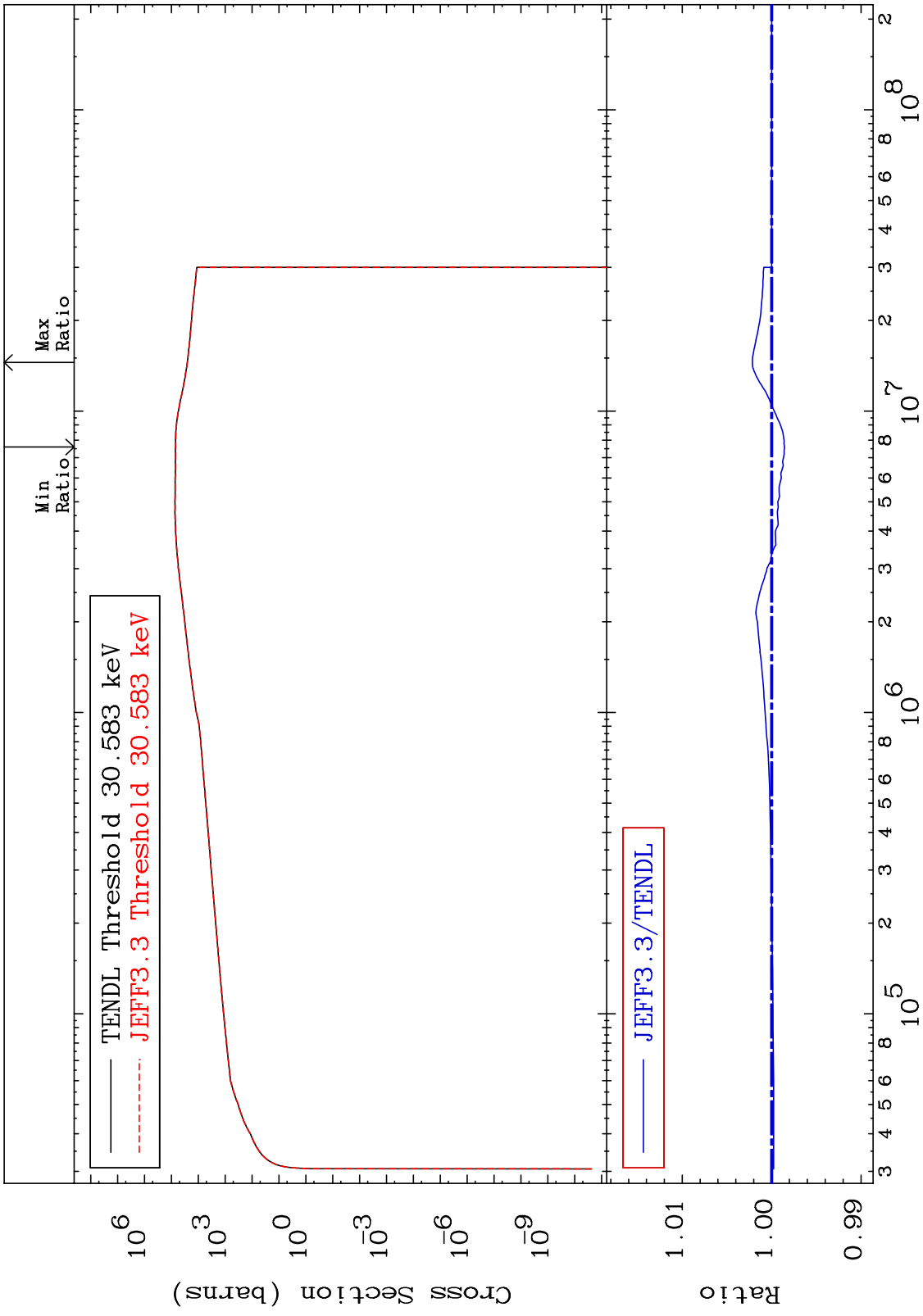


75

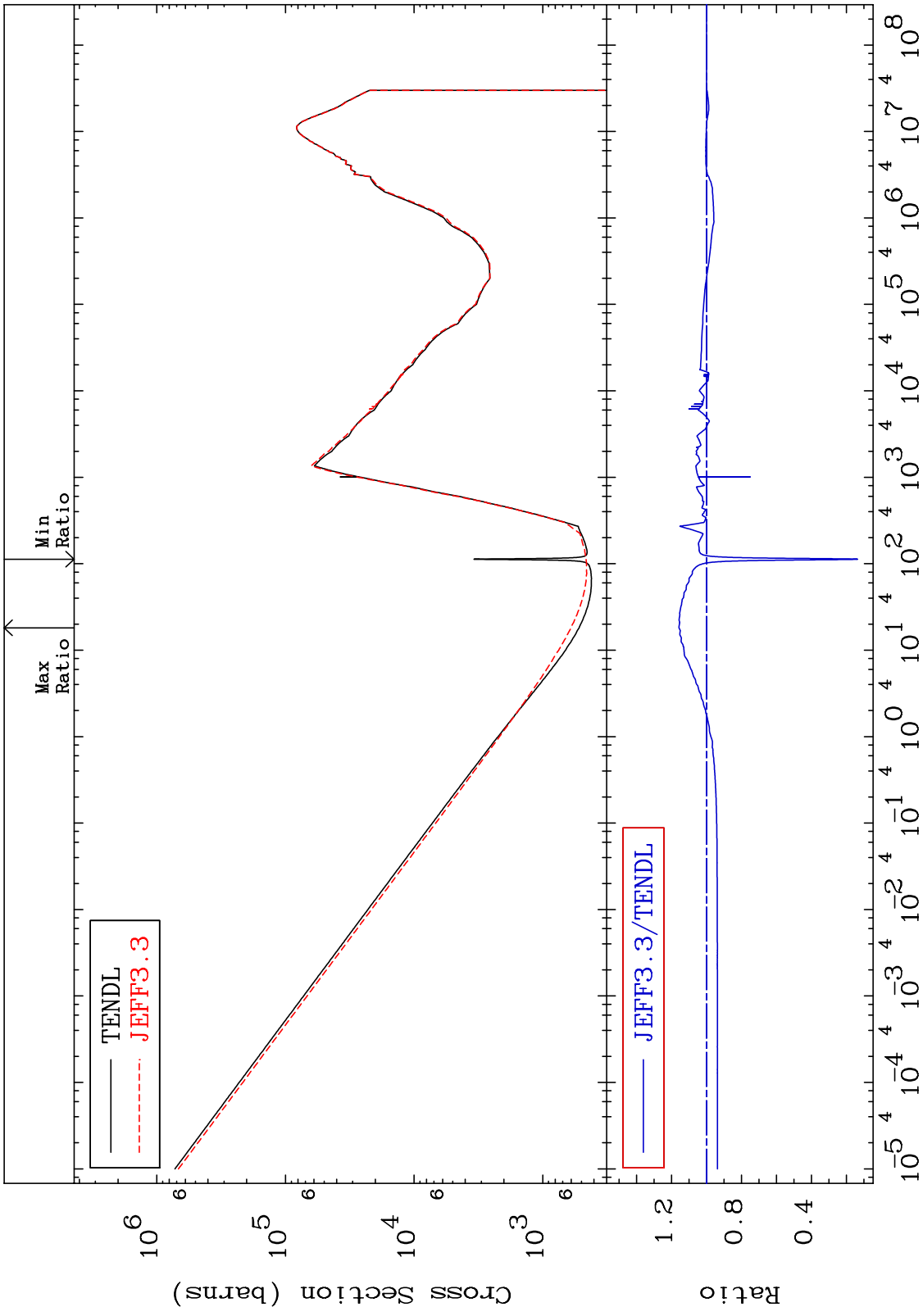
Incident Energy (eV)

19-K -40

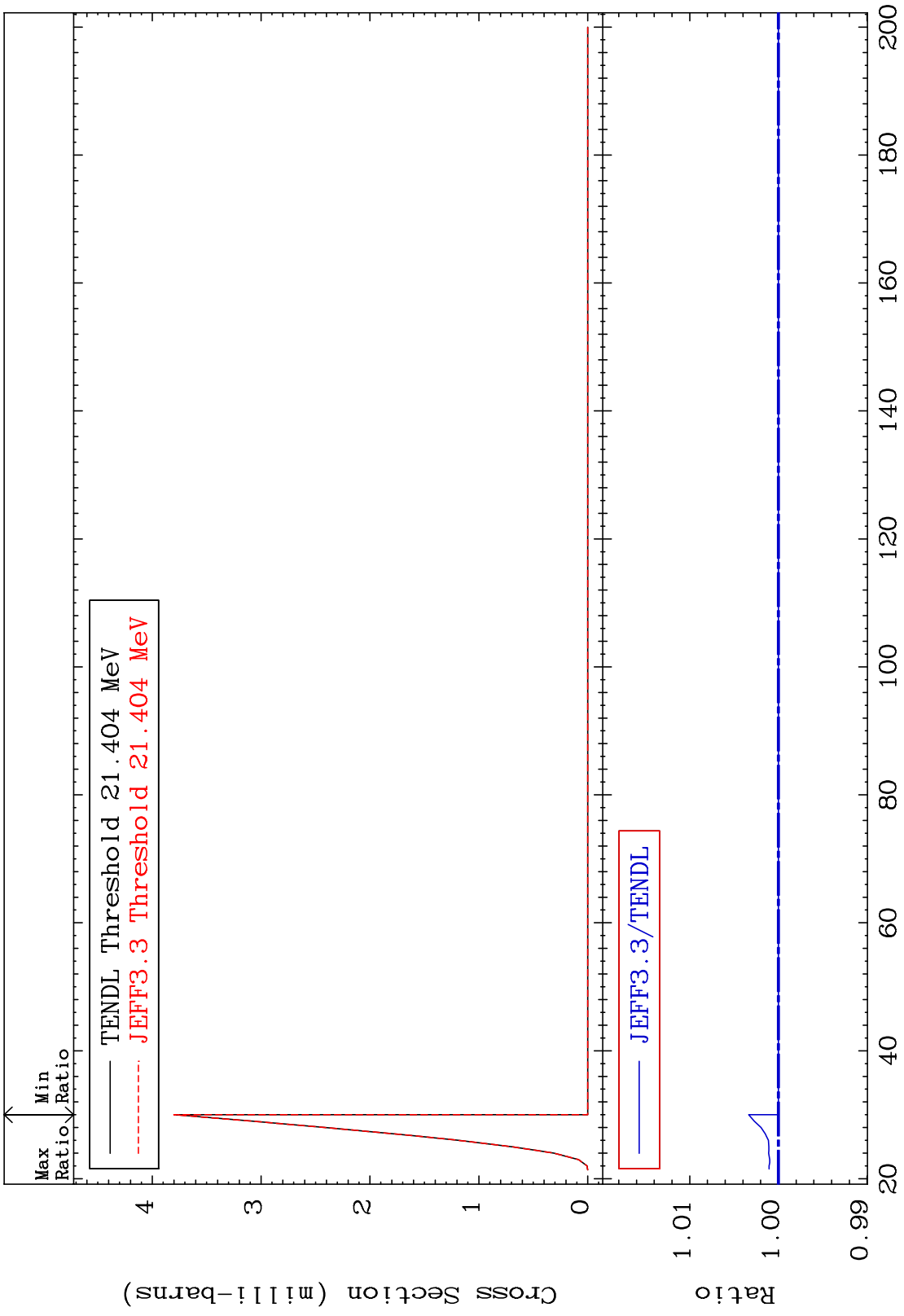
MAT 1928 Dpa inelastic (mt51-91) 19-K -40
 Cross Section -0.145 To 0.216 %



MAT 1928 Dpa disappearance (mt102 -120) 19-K -40
 Cross Section -86.56 To 15.72 %



MAT 1928 (n,3n):19-K -38g 19-K -40
Radionuclide Production Cross Section 0.000 To 0.337 %

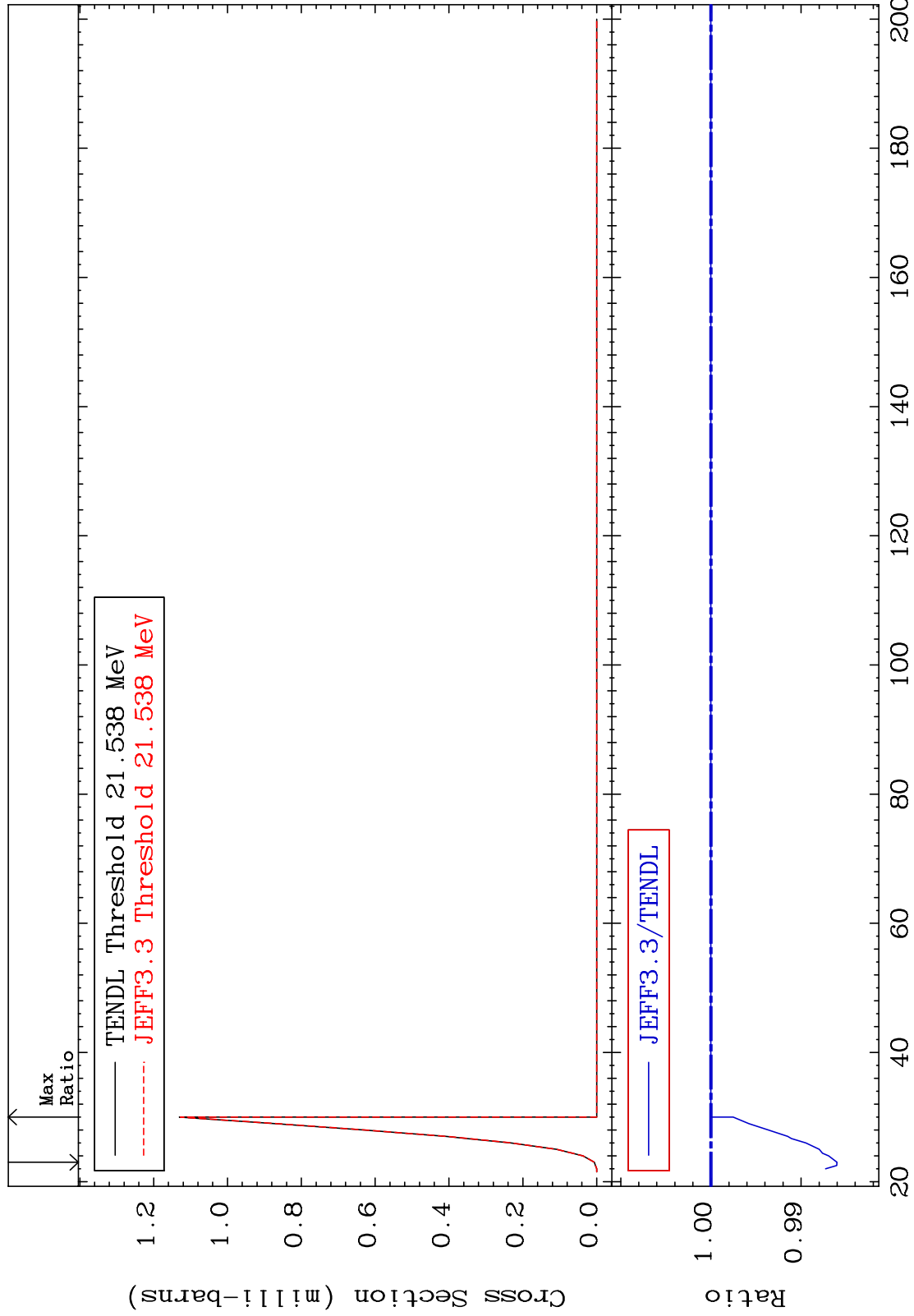


MAT 1928

(n,3n):19-K -38m1

19-K -40

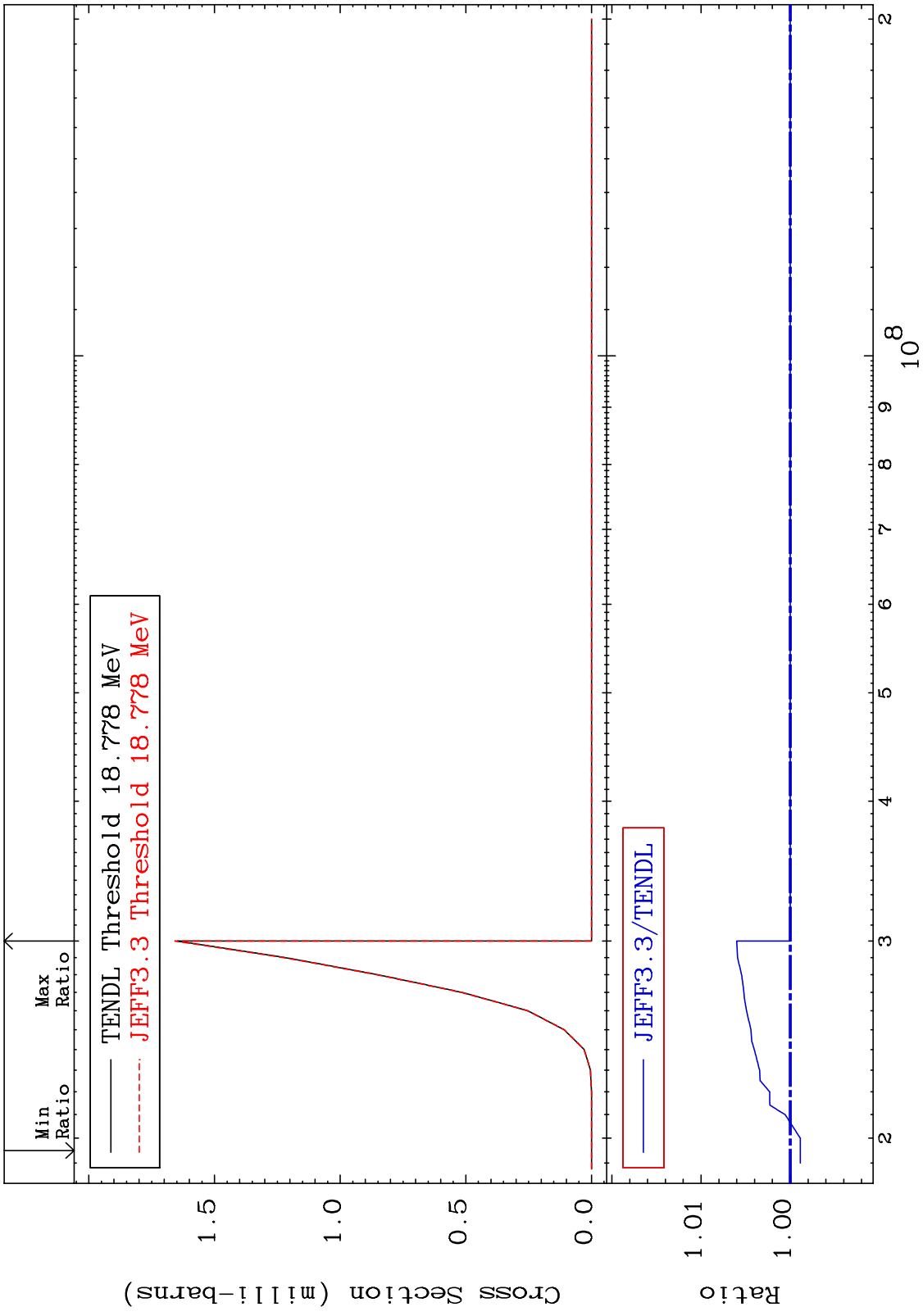
Radionuclide Production Cross Section -1.398 To 0.000 %

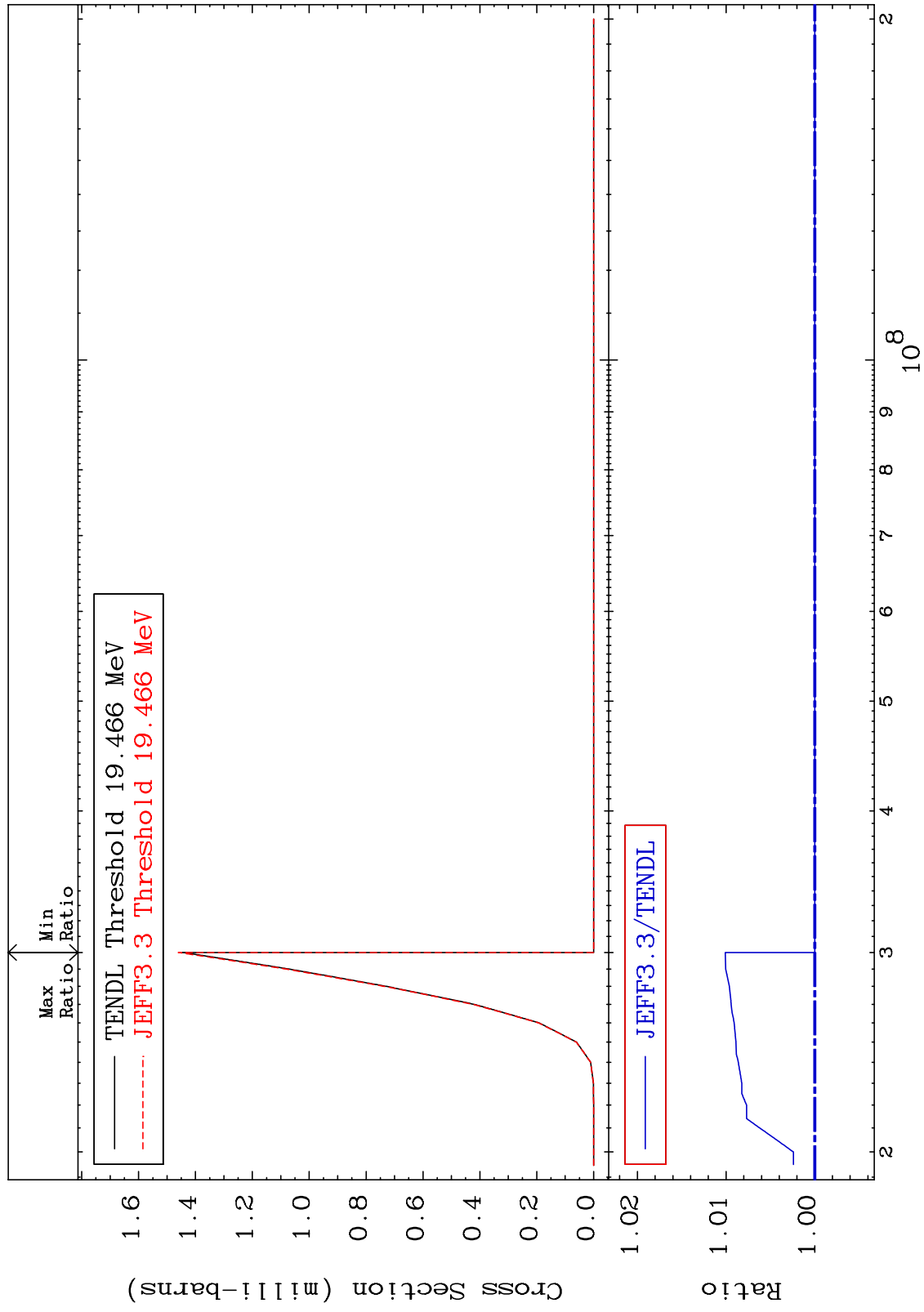


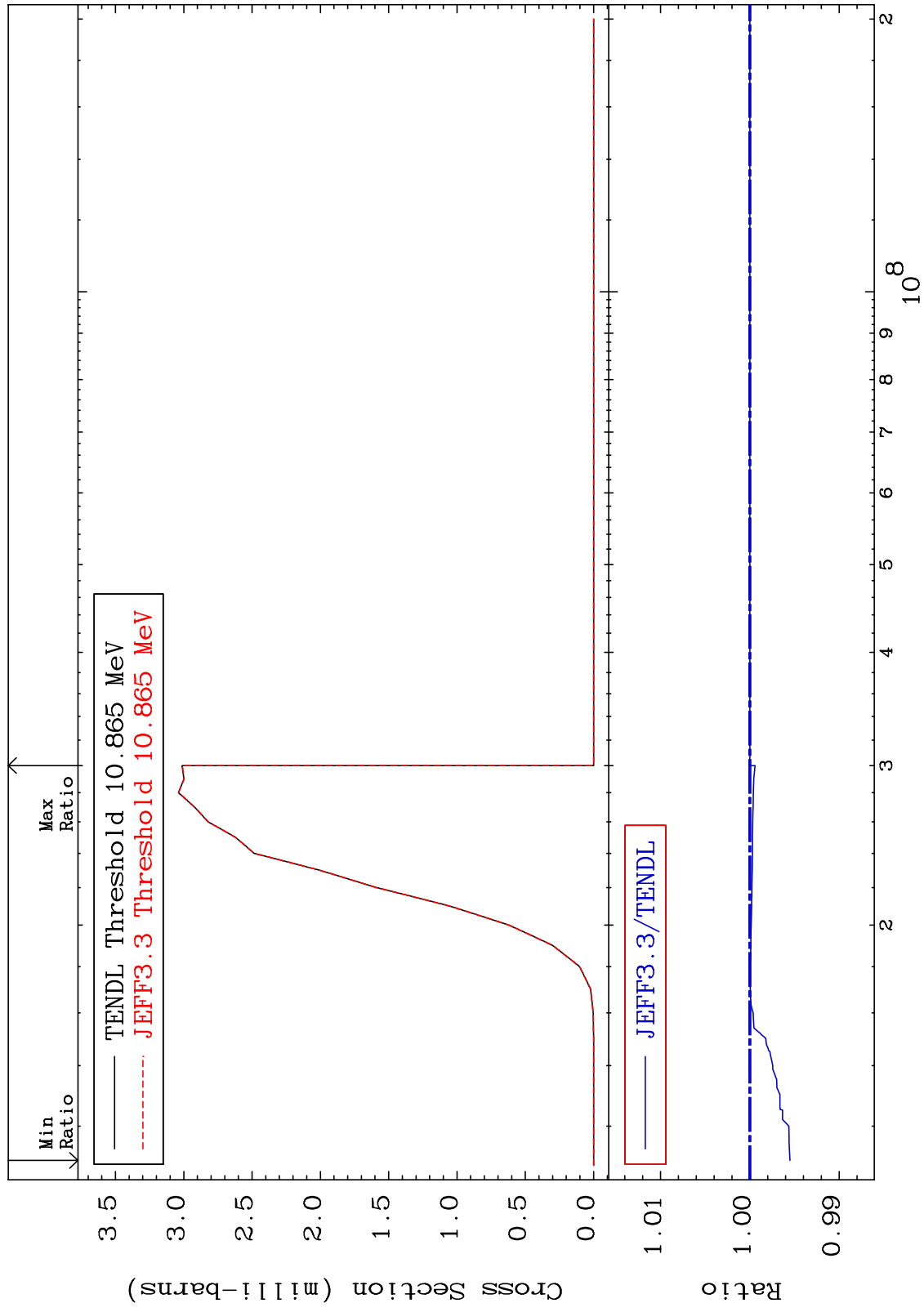
79

Incident Energy (MeV)

19-K -40





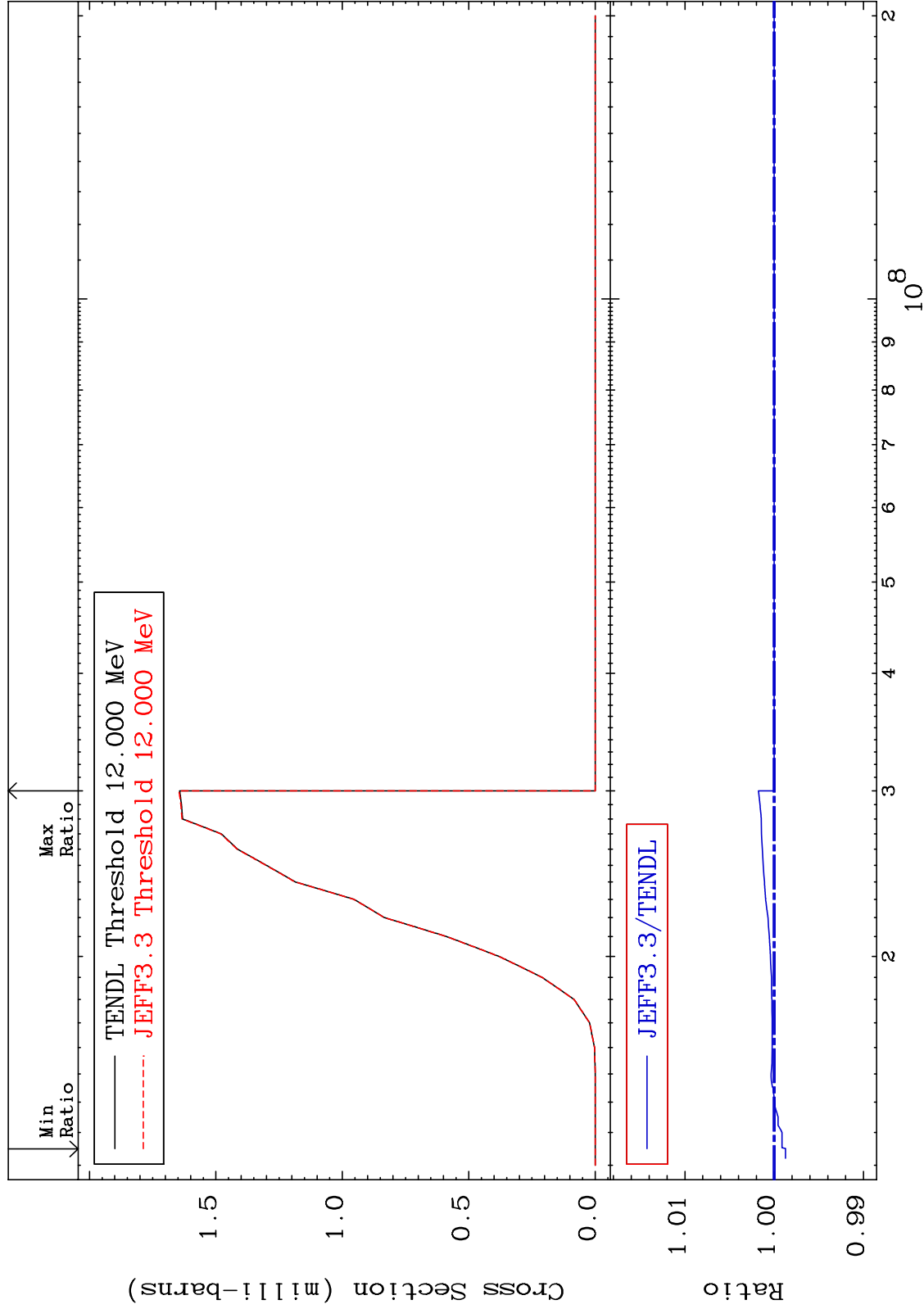


MAT 1928

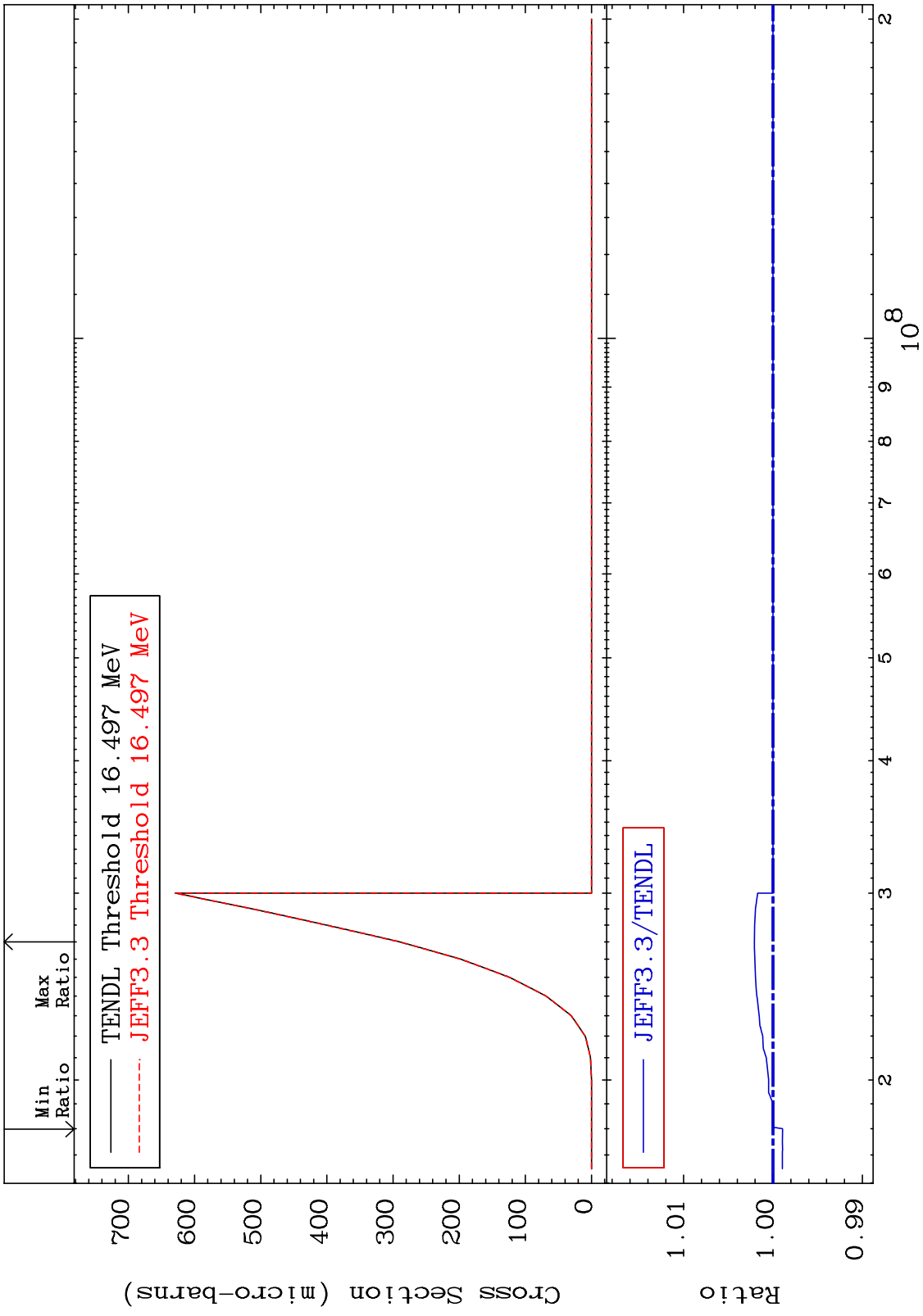
(n, He-3) : 17-Cl-38m1

19-K -40

Radionuclide Production Cross Section -0.127 To 0.176 %



MAT 1928 (n,p) d:17-Cl-38g 19-K -40
 Radionuclide Production Cross Section -0.106 To 0.208 %



MAT 1928 (n,p) d:17-Cl-38m1 19-K -40
 Radionuclide Production Cross Section -0.054 To 0.713 %

