

Program Complot
(Version 2021-1)

by

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U.S.A.

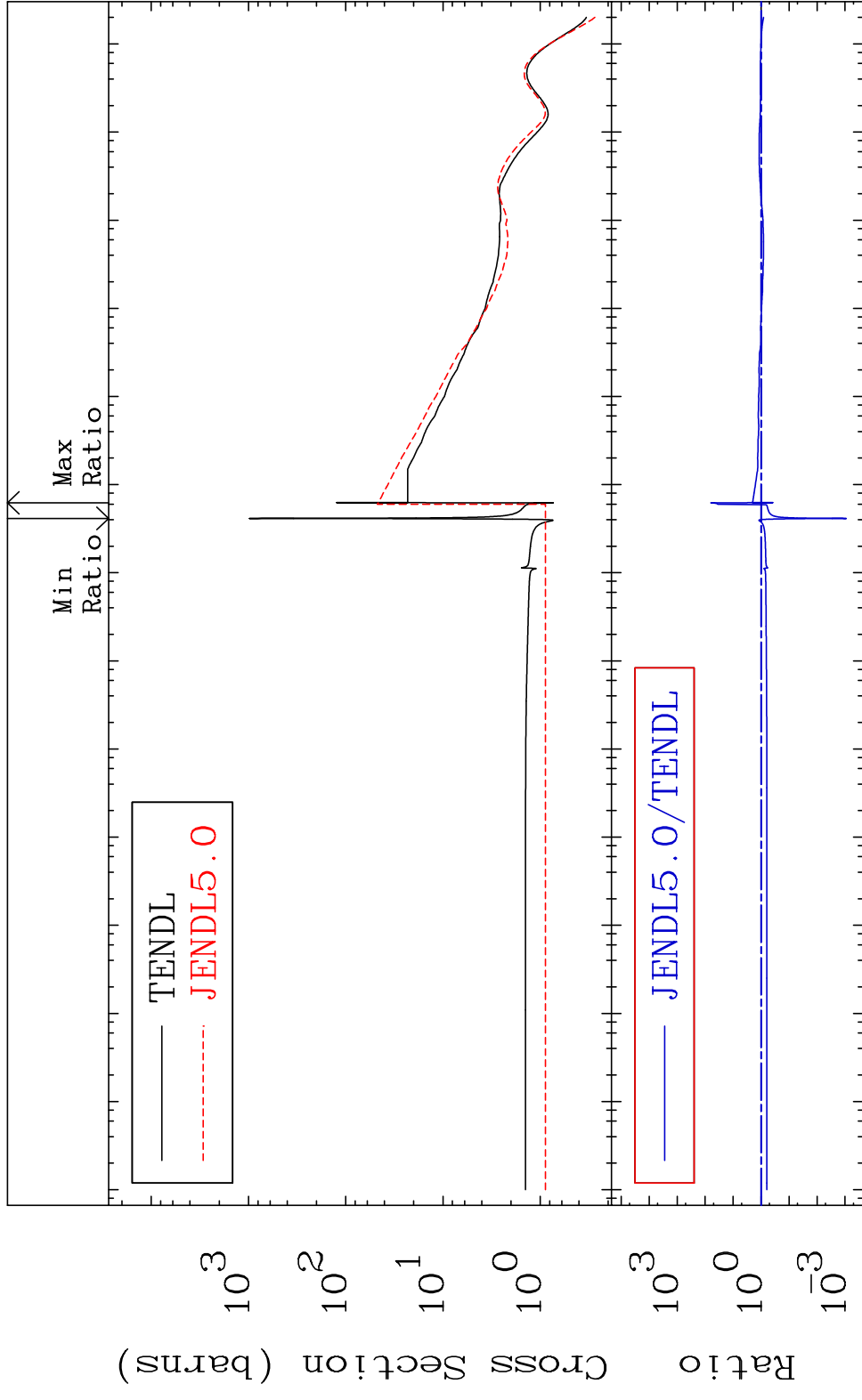
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 1928

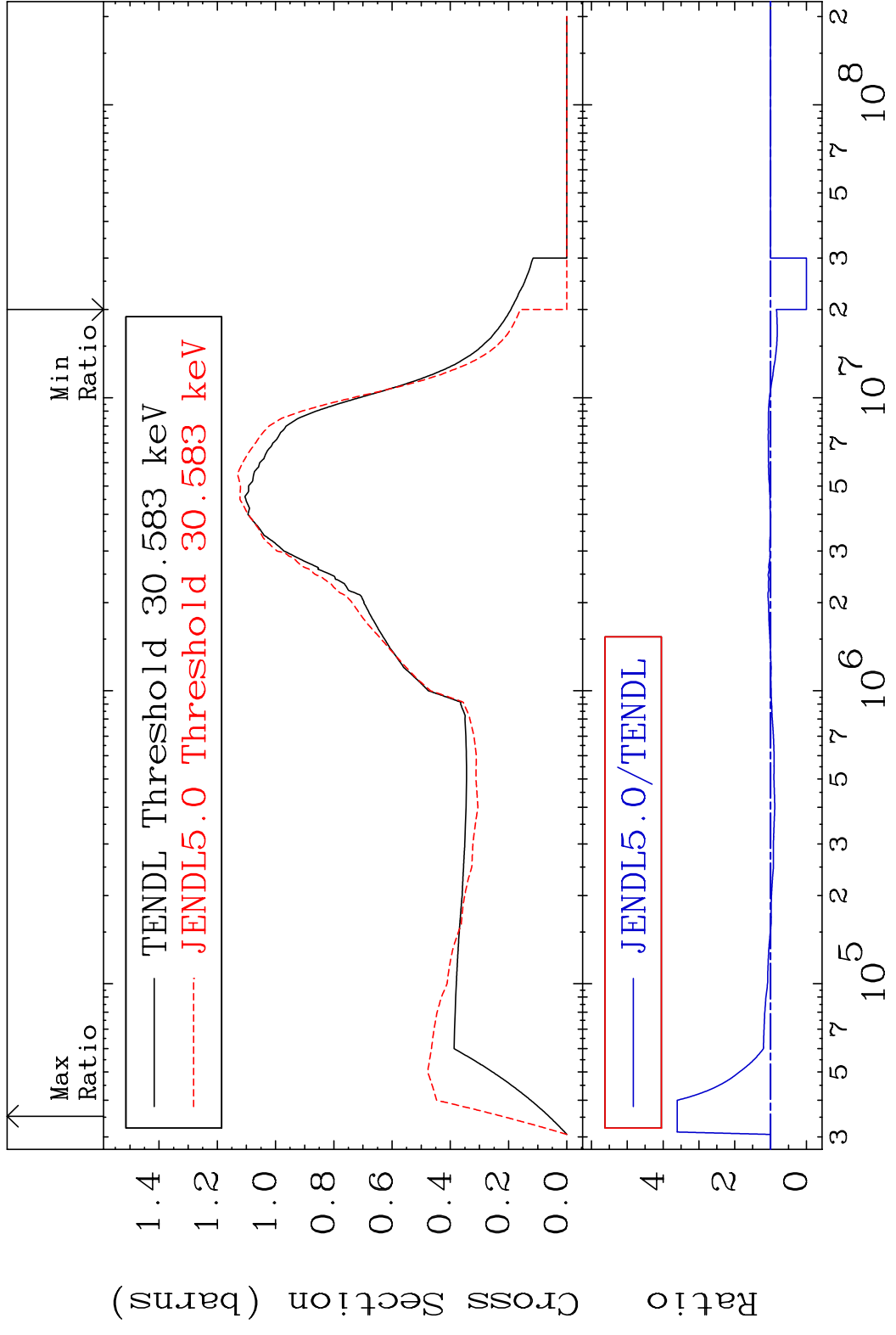
Elastic Cross Section -99.91 To 6215. %
19-K -40



Ratio
Cross Section (barns)
10³
10²
10¹
10⁰
10⁻³
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

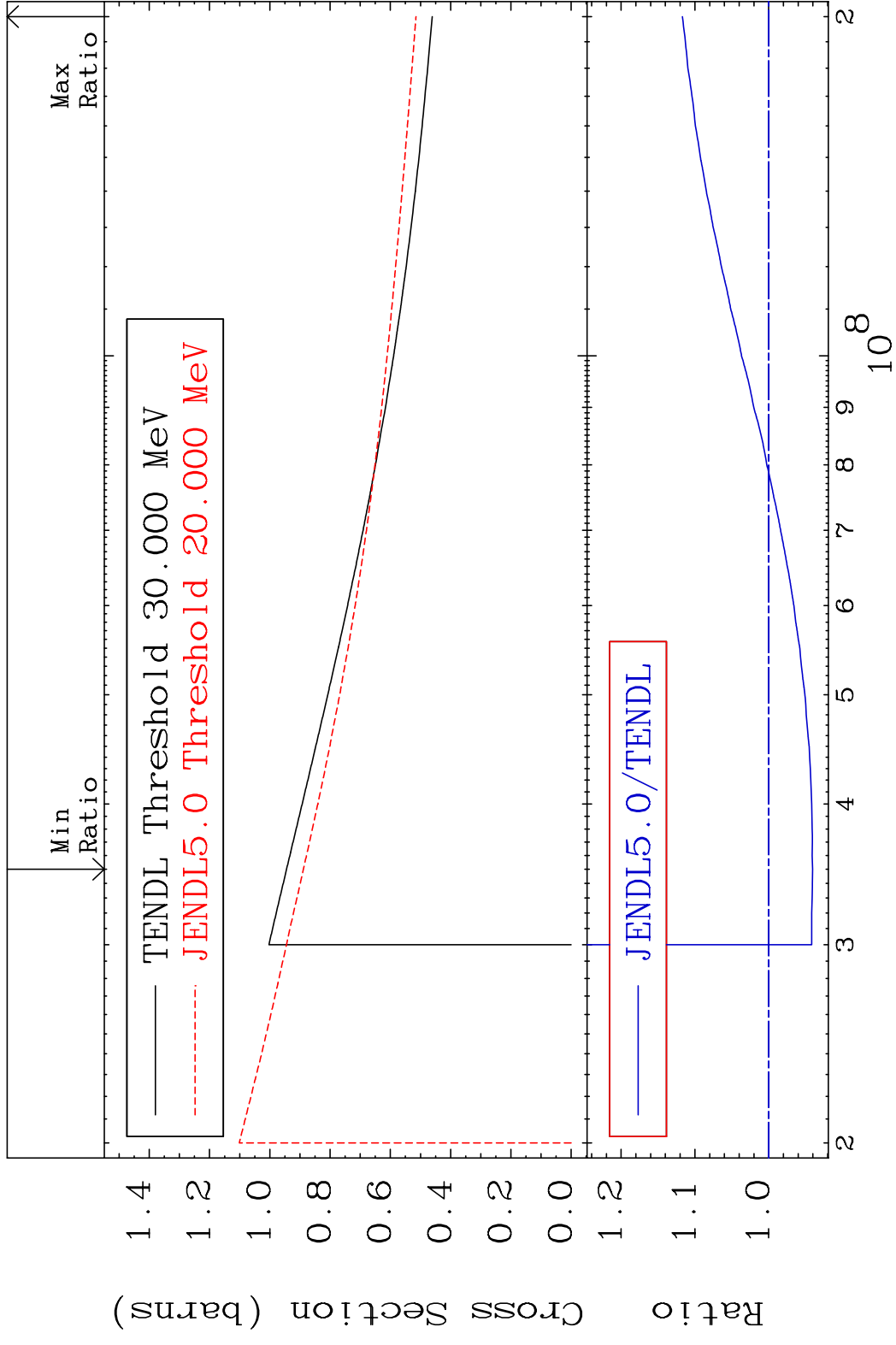
2 Incident Energy (eV) 19-K -40

MAT 1928 Inelastic Cross Section 19-K -40
 -100.0 To 260.7 %



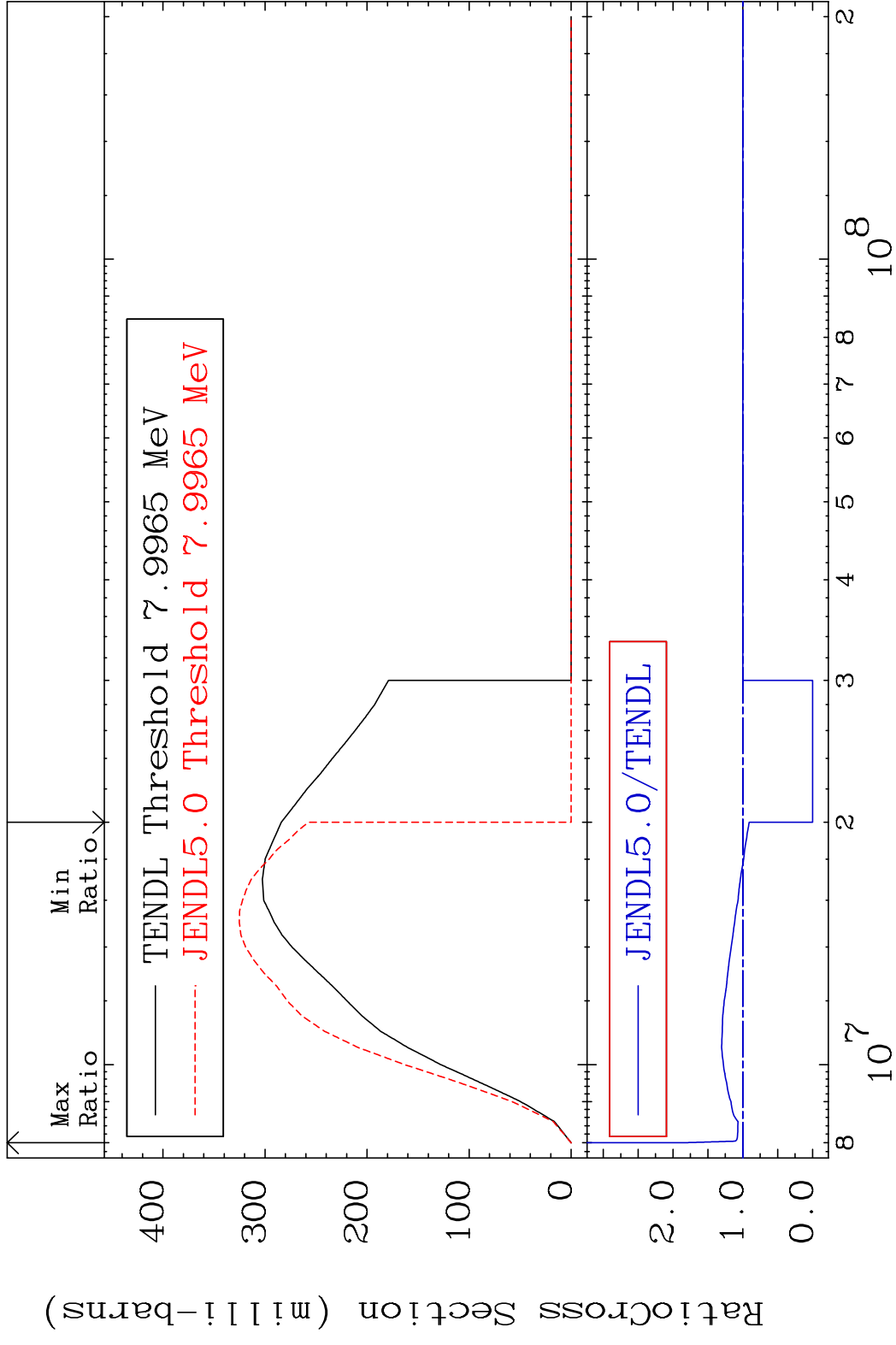
3 Incident Energy (eV) 19-K -40

MAT 1928 (n, remainder) 19-K -40
 Cross Section -5.950 To 11.70 %



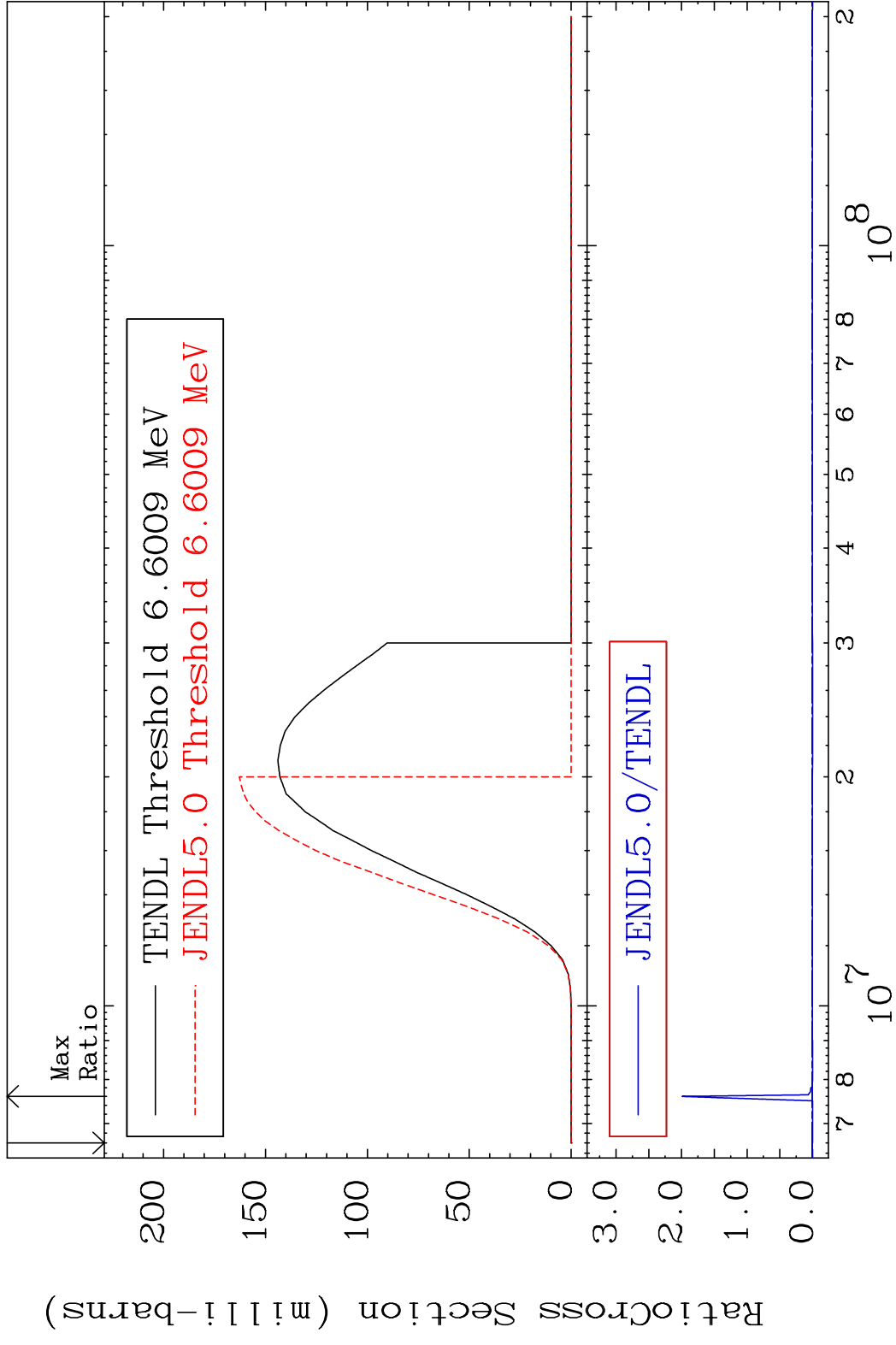
4 Incident Energy (eV) 19-K -40

MAT 1928 (n,2n) 19-K -40
 Cross Section -100.0 To 86.63 %

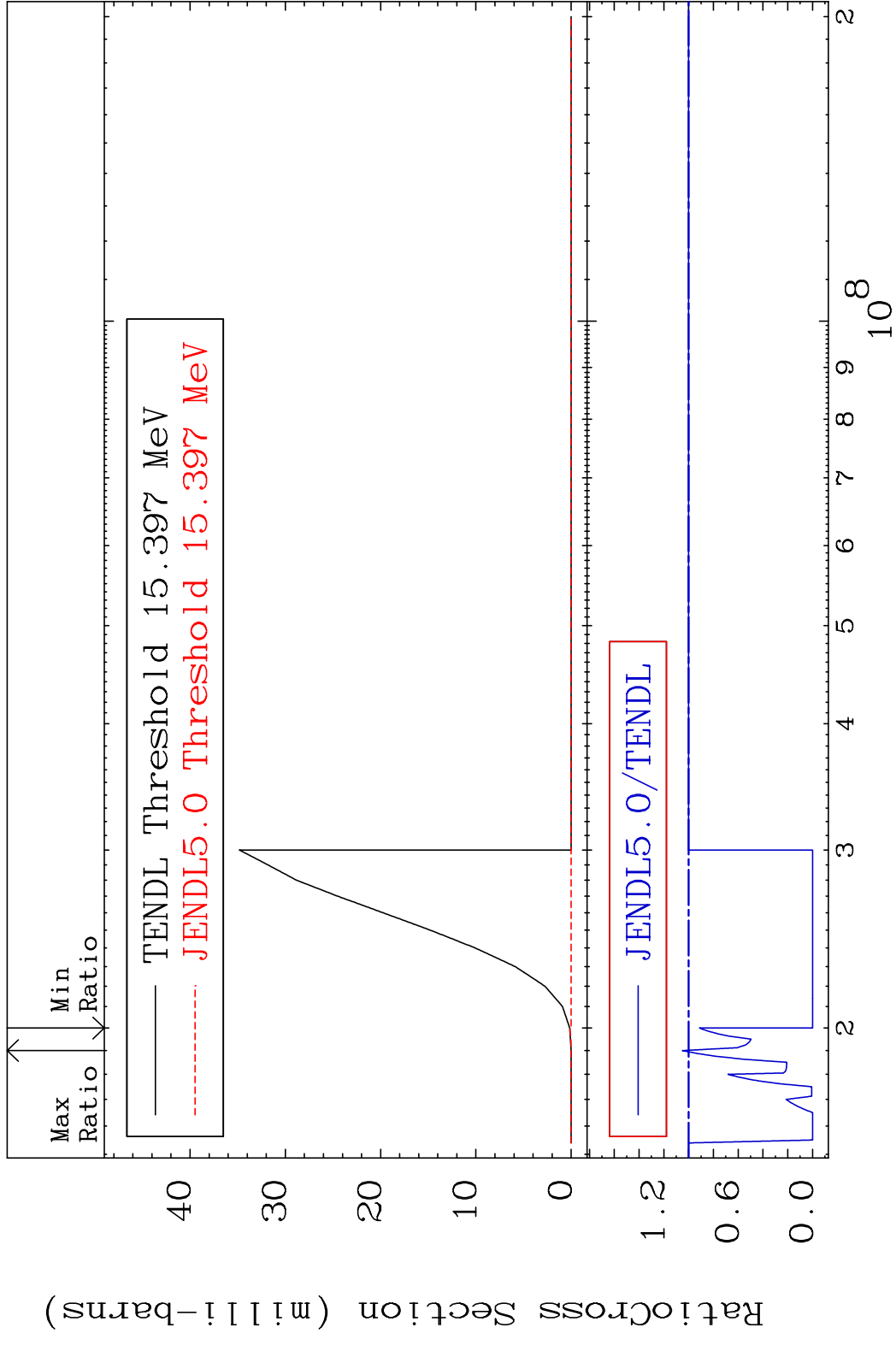


5 19-K -40

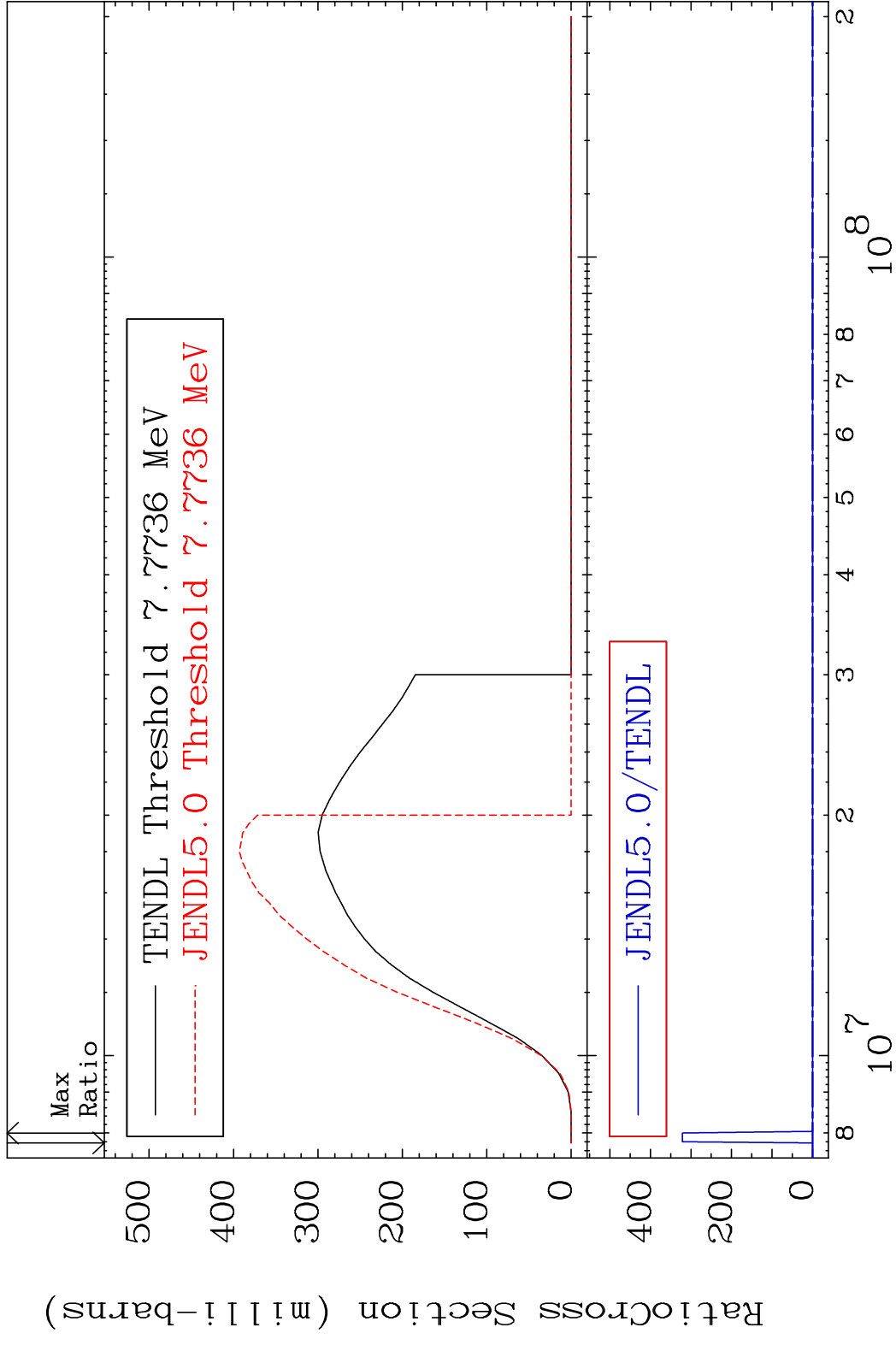
MAT 1928 (n, n') α 19-K -40
 Cross Section -100.0 To 9999. %



MAT 1928 (n,2n) α 19-K -40
 Cross Section -100.0 To 5.084 %

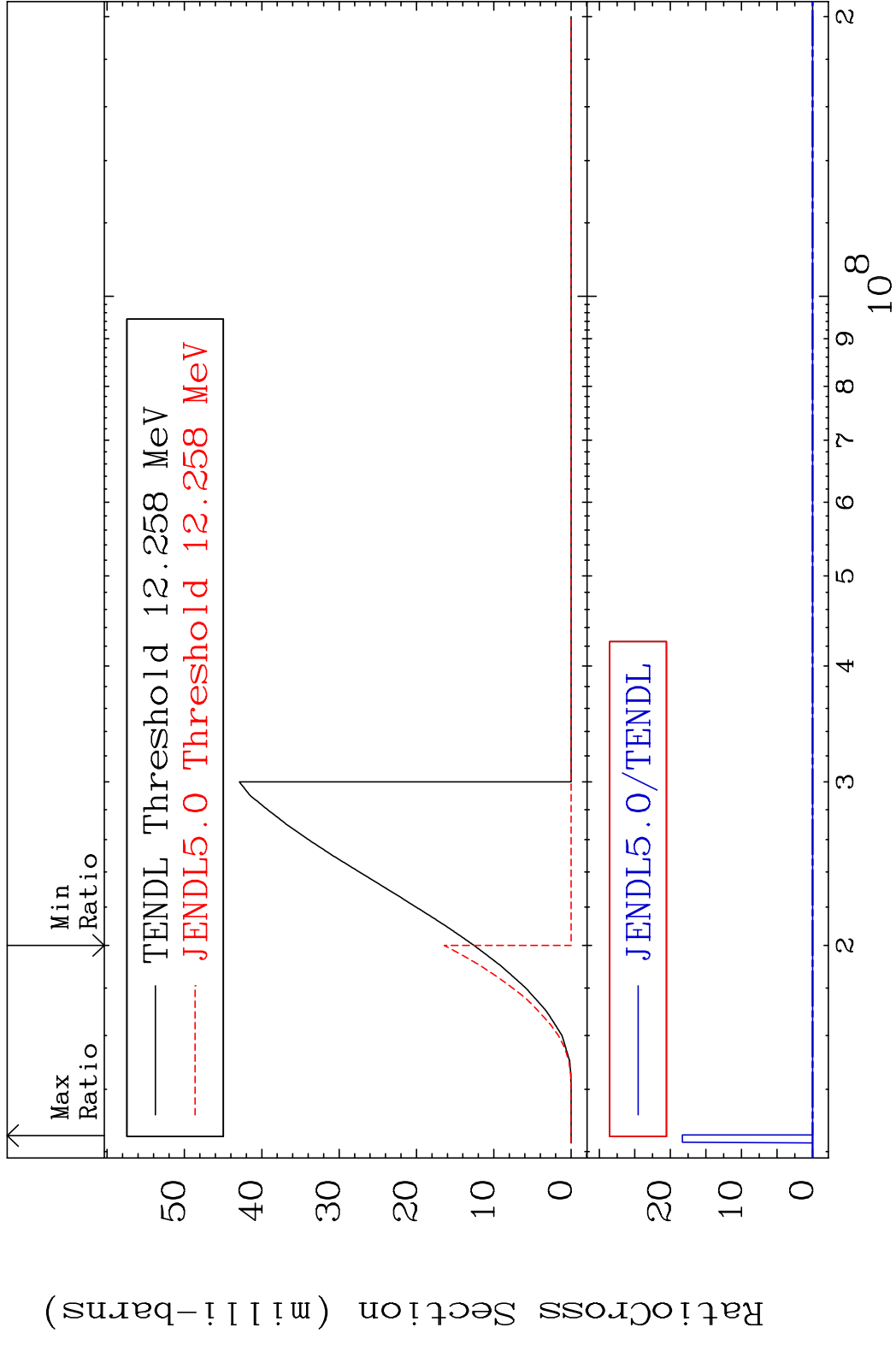


MAT 1928 (n, n') p 19-K -40
 Cross Section -100.0 To 9999. %

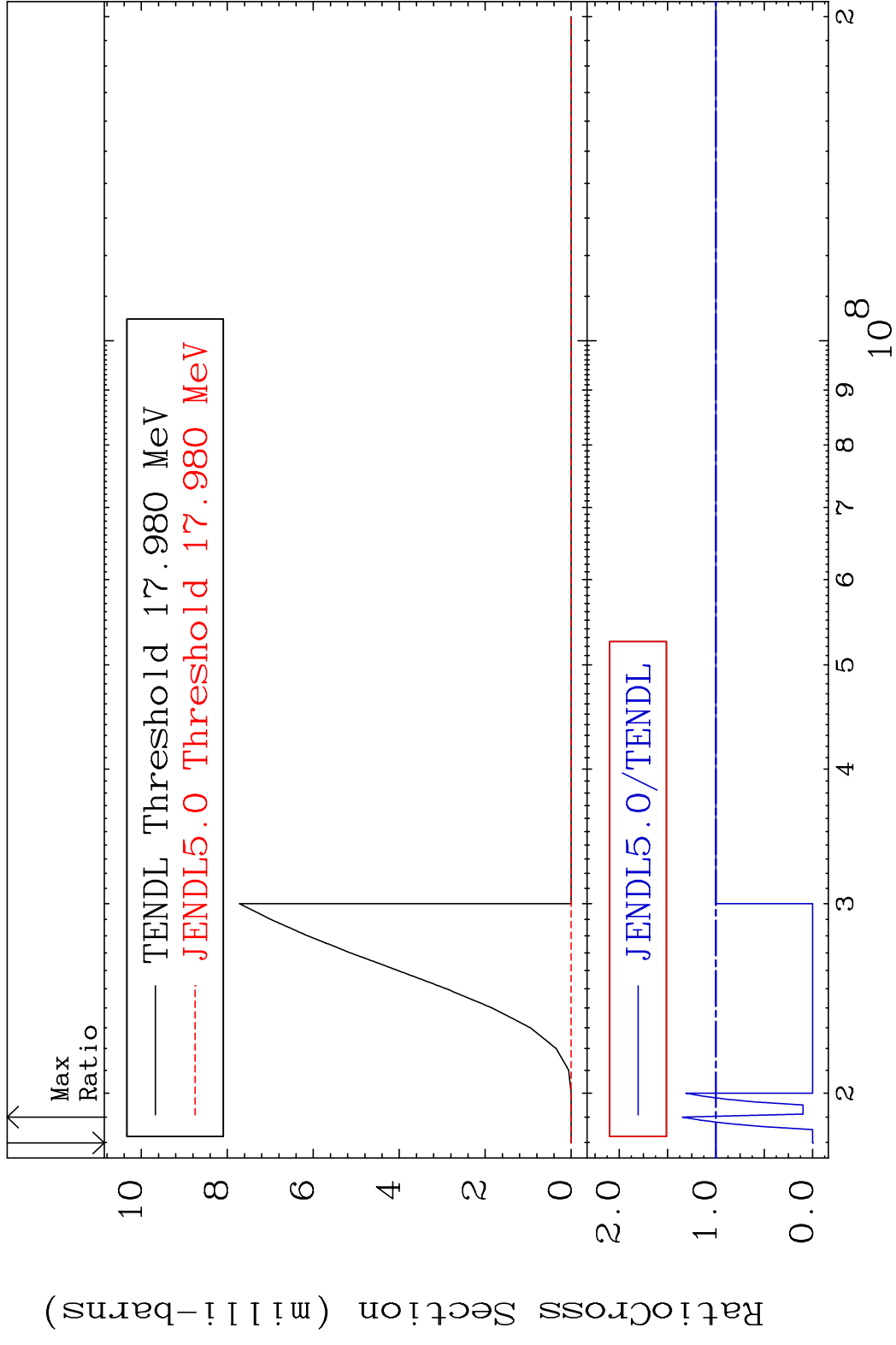


8 Incident Energy (eV) 19-K -40

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

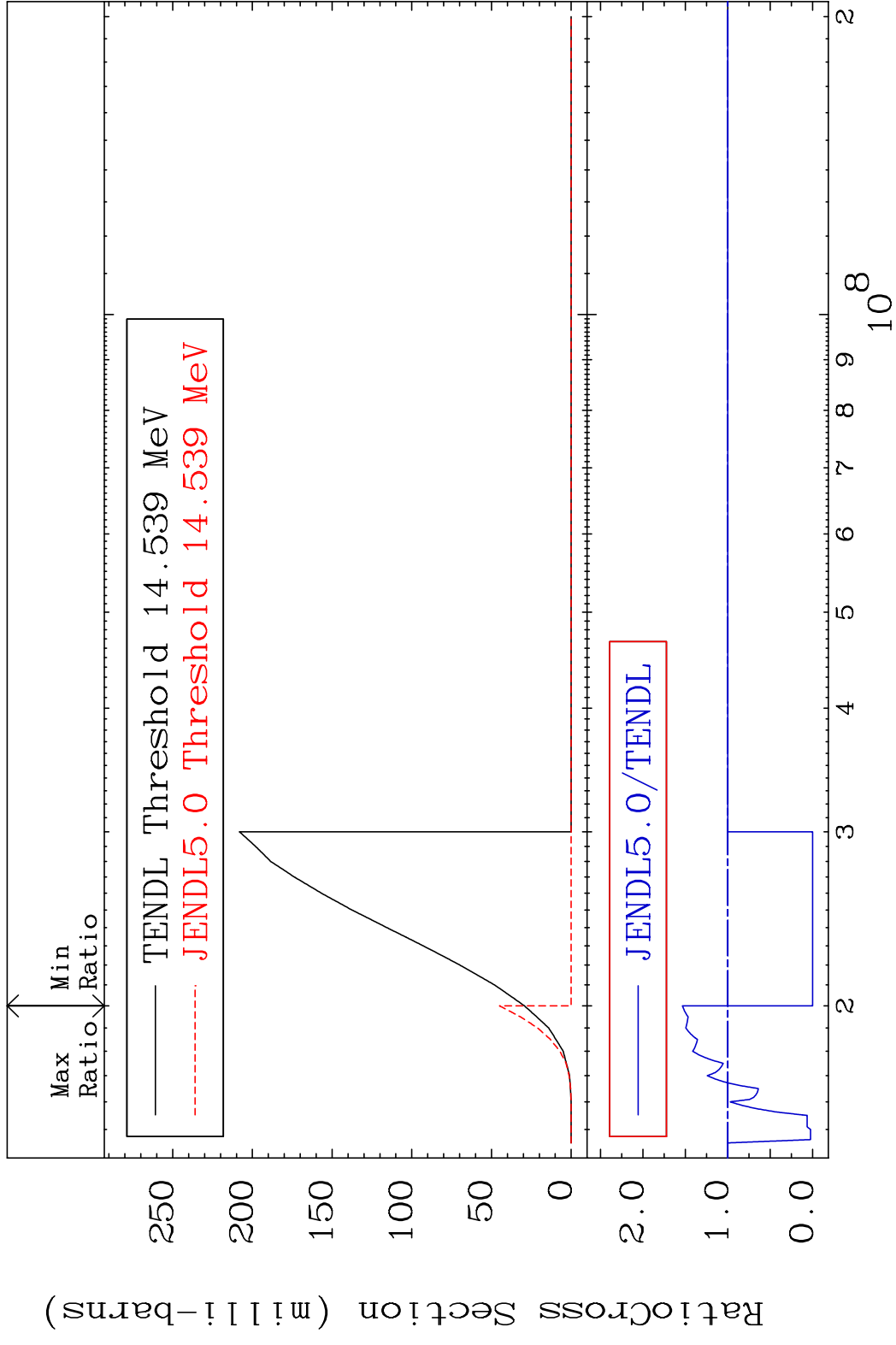


MAT 1928 (n, n') t 19-K -40
 Cross Section -100.0 To 34.70 %



10 19-K -40

MAT 1928 (n,2n) p 19-K -40
 Cross Section -100.0 To 53.49 %

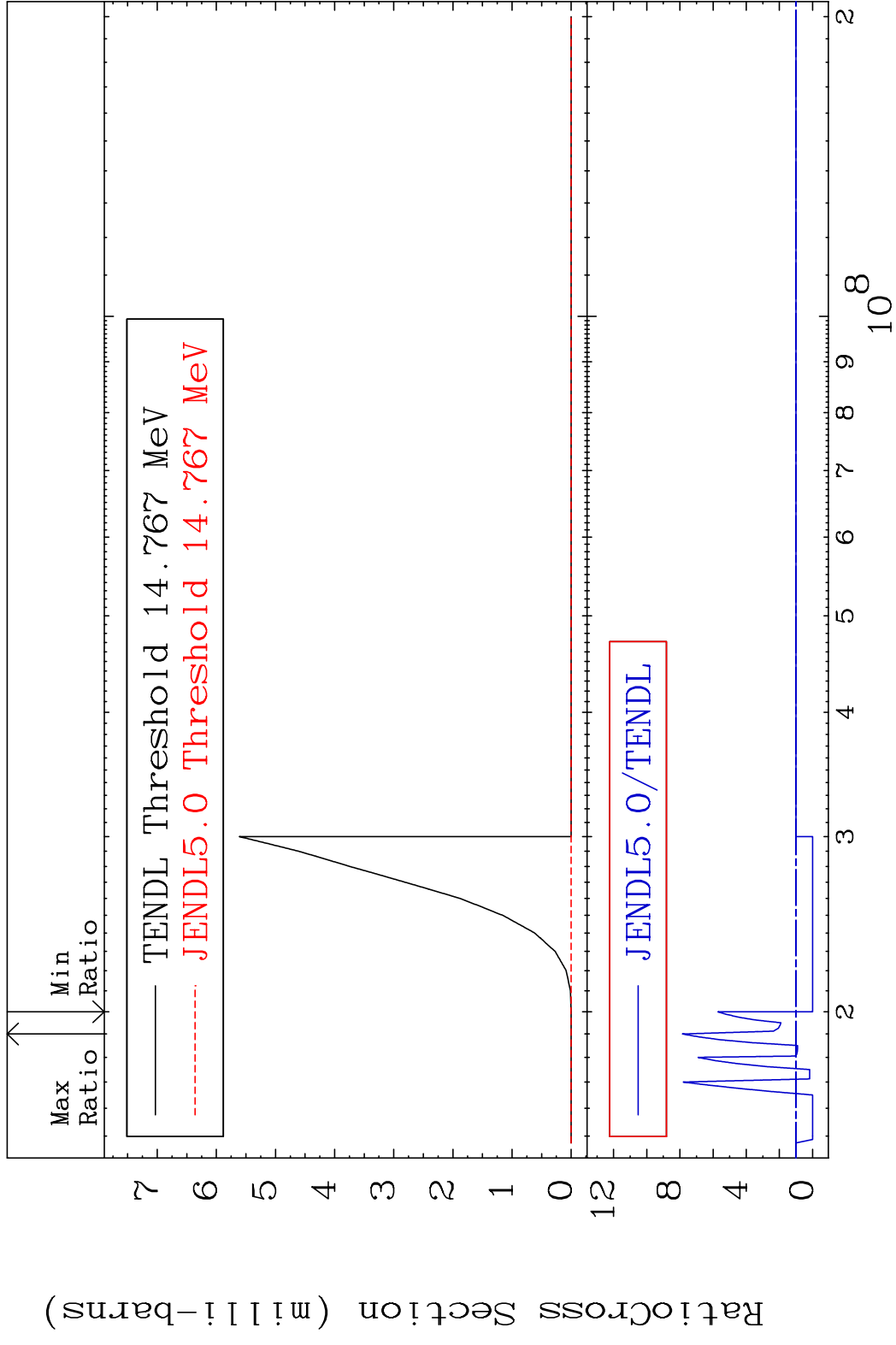


MAT 1928

(n,n') p α

19-K -40

Cross Section -100.0 To 685.3 %

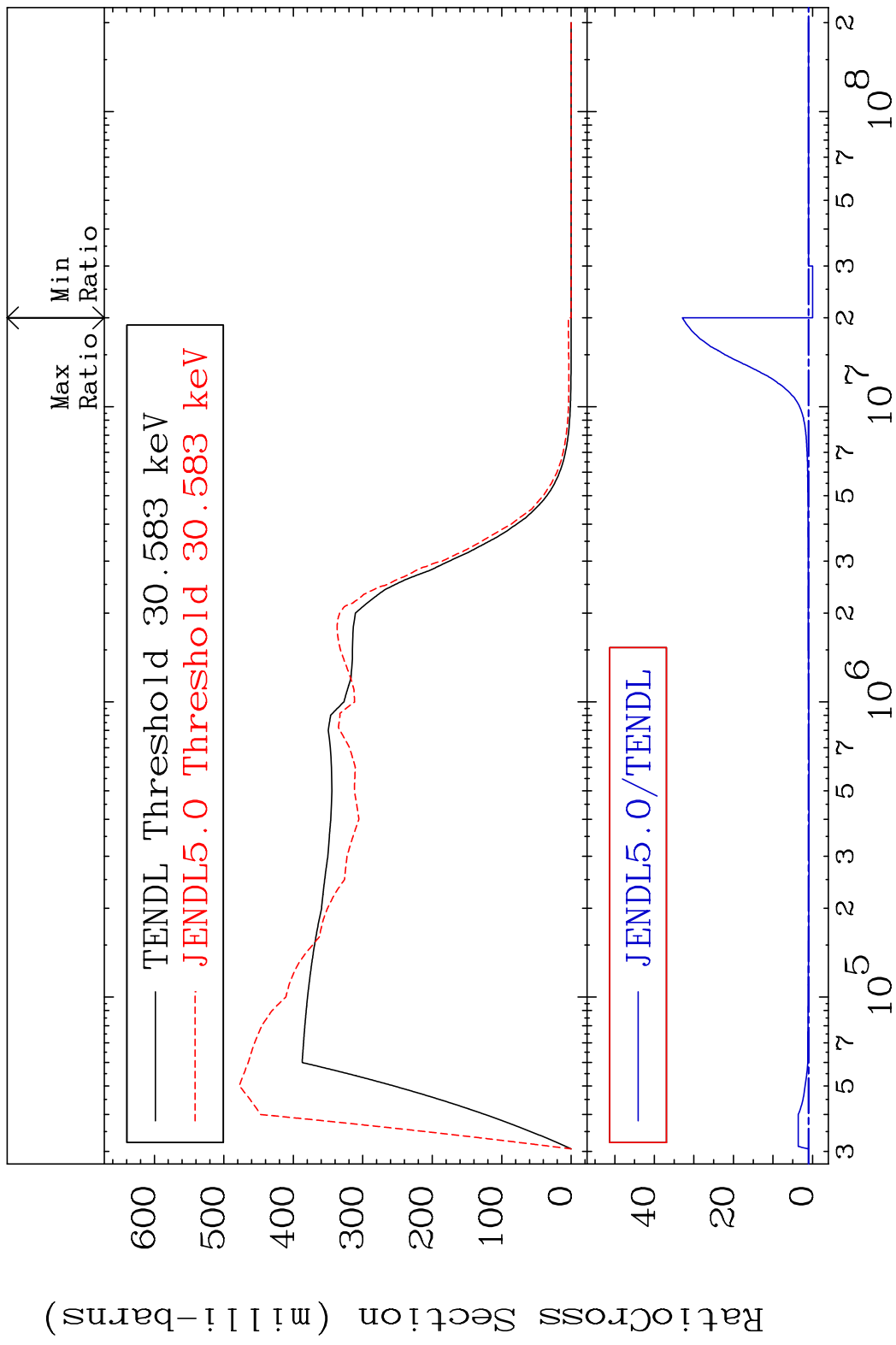


12

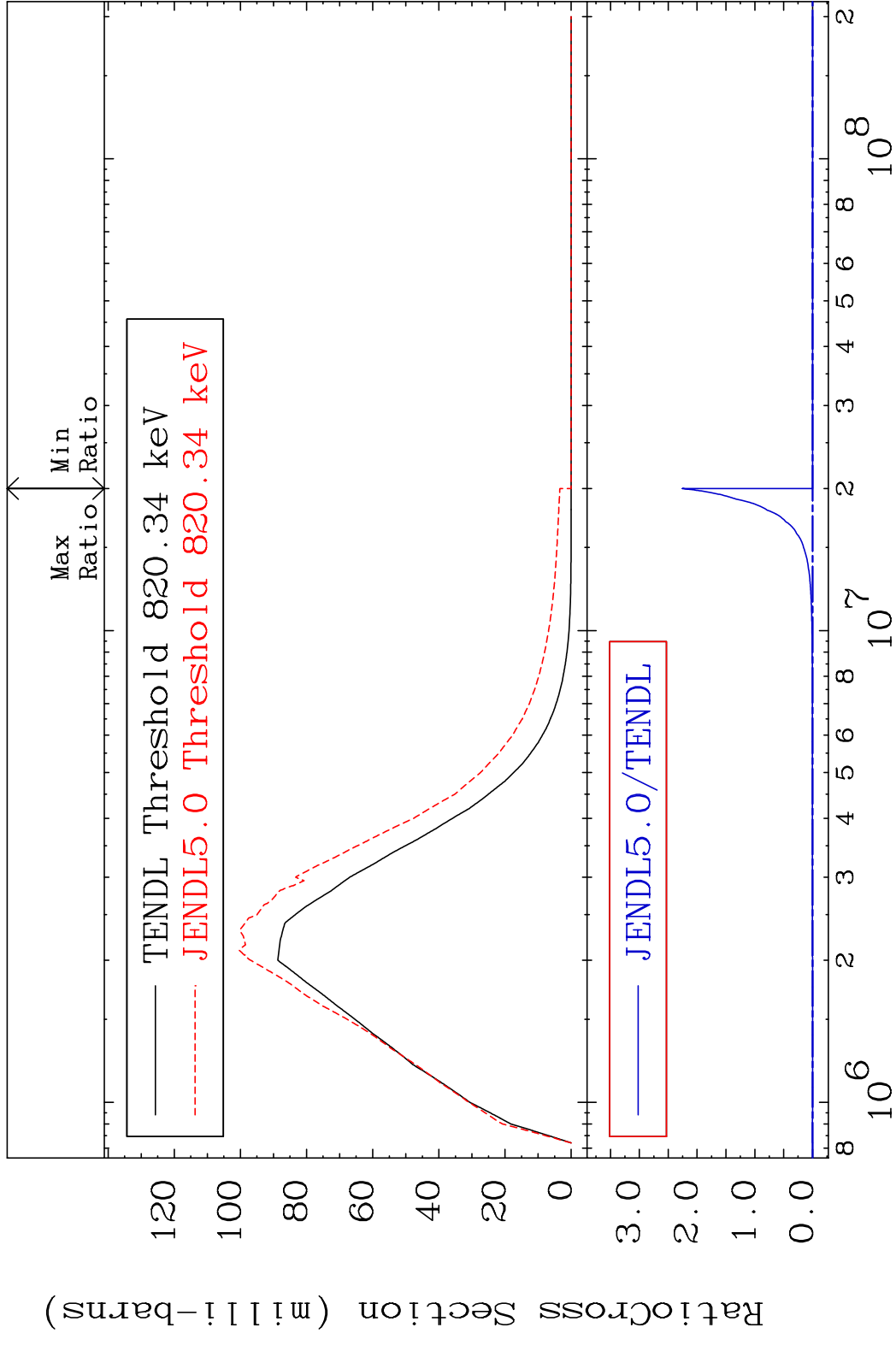
Incident Energy (eV)

19-K -40

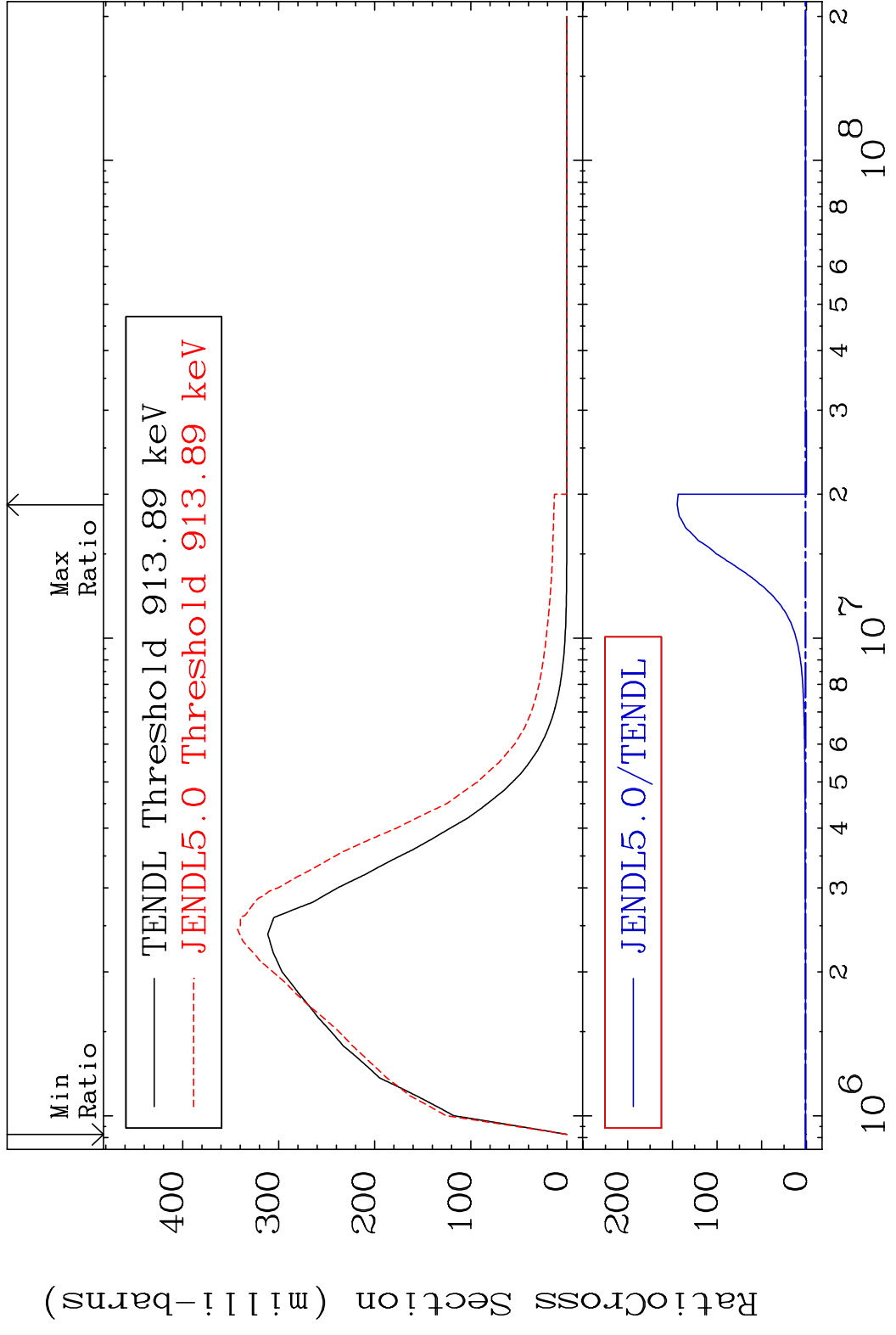
MAT 1928 MT= 51 (n,n') Level 19-K -40
 Cross Section -100.0 To 3192. %



MAT 1928 MT= 52 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %

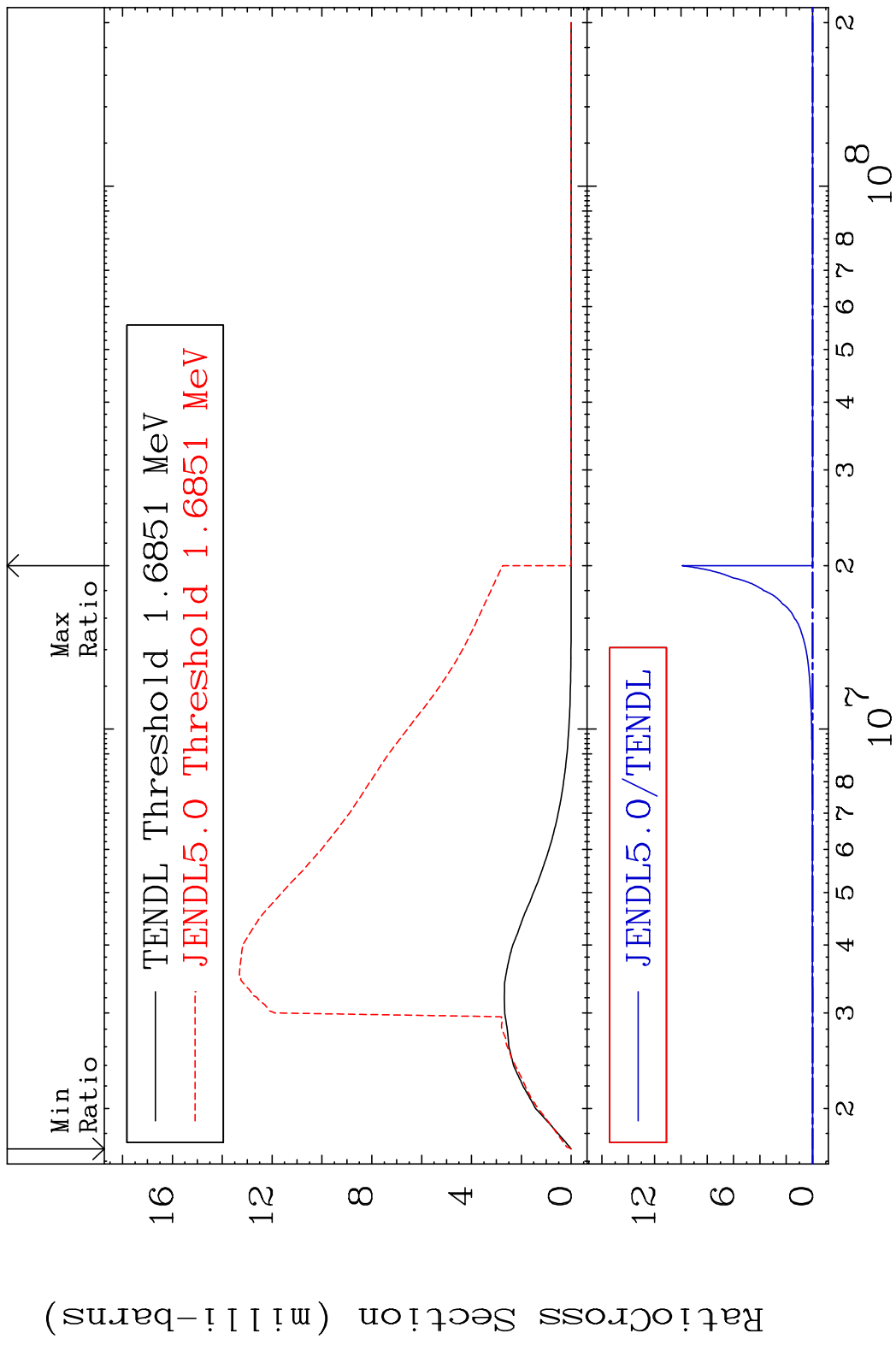


MAT 1928 MT= 53 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %

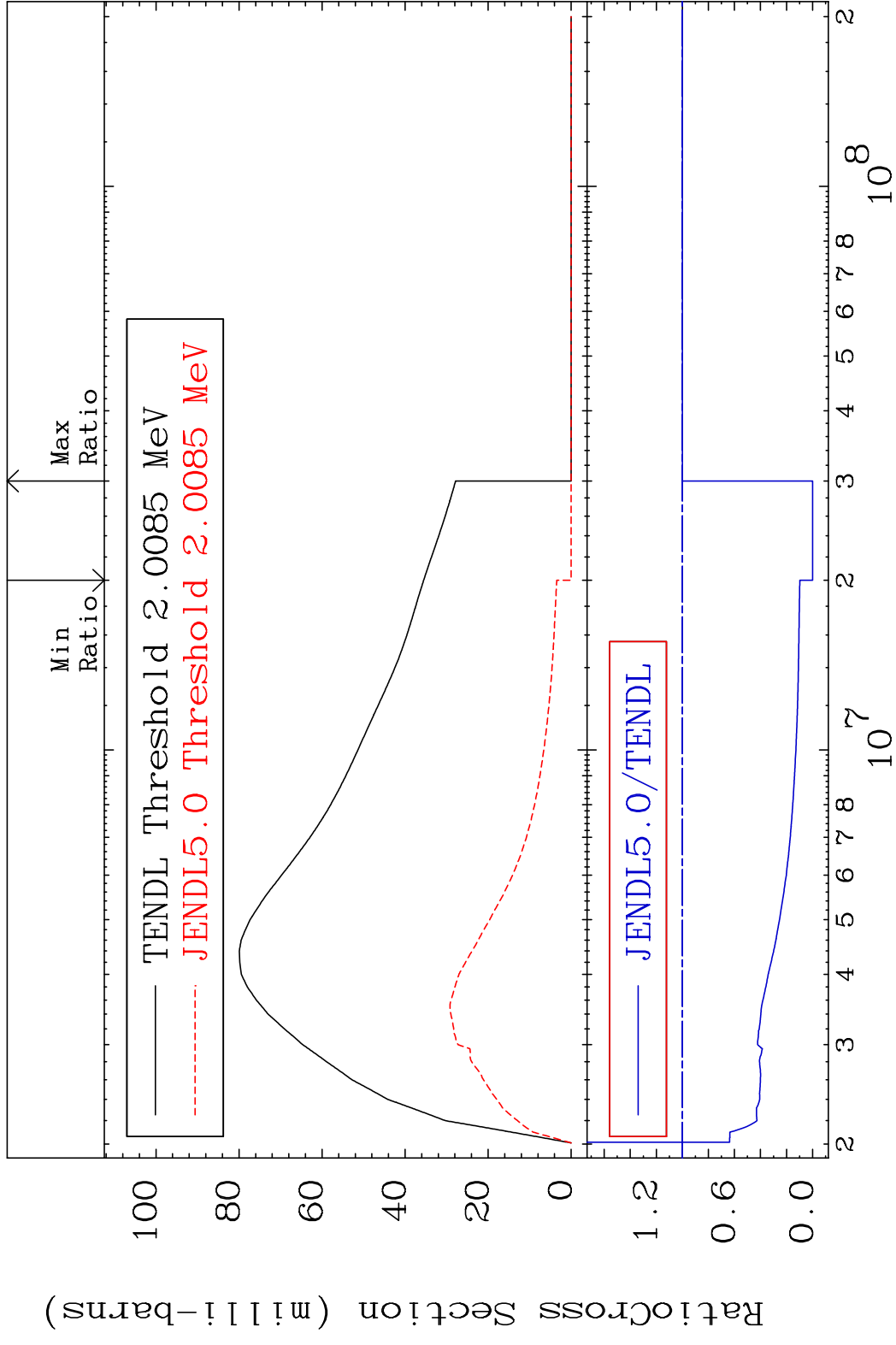


15 19-K -40

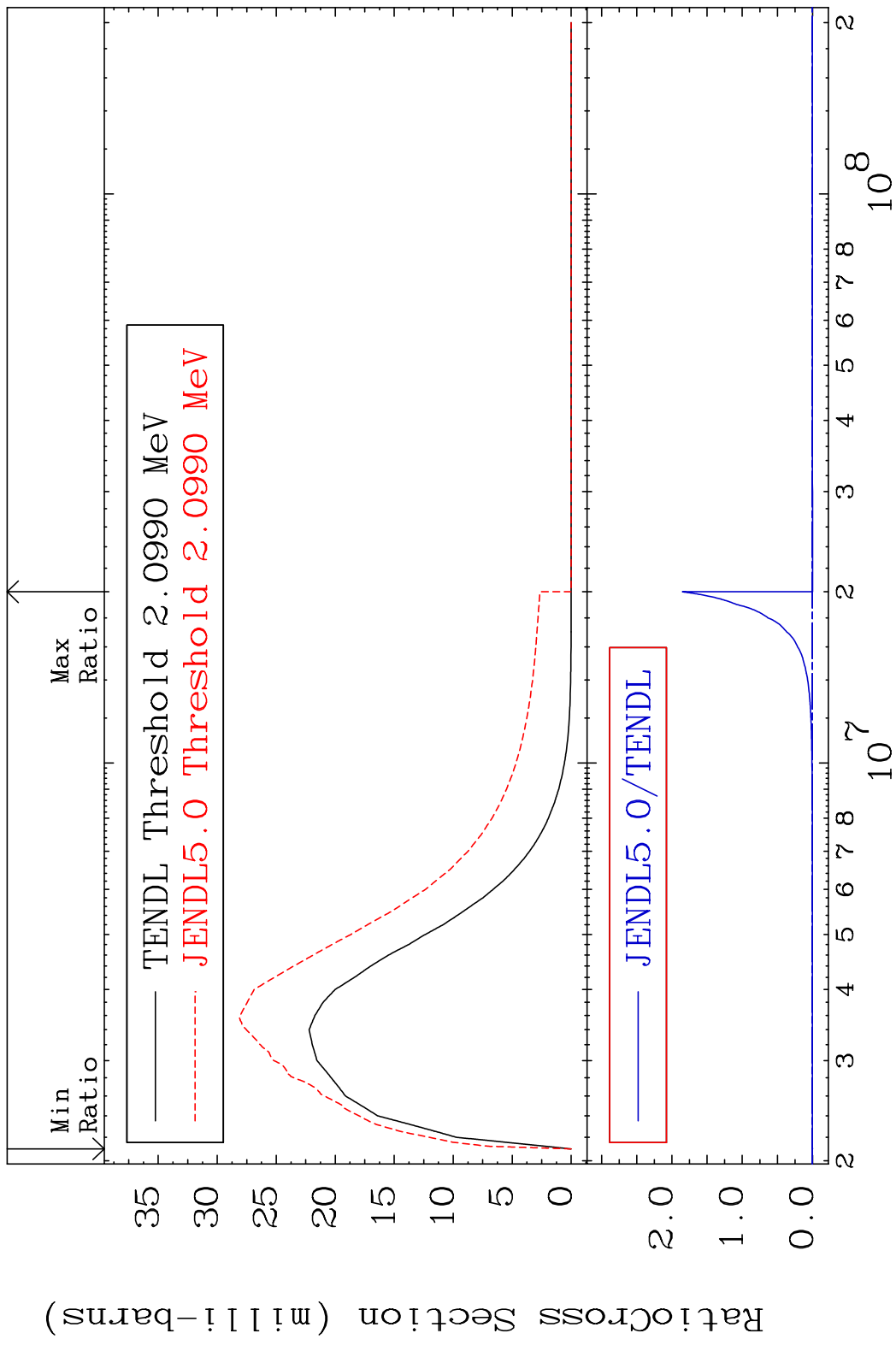
MAT 1928 MT= 54 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %



MAT 1928 MT= 55 (n, n') Level 19-K -40
 Cross Section -100.0 To 0.000 %

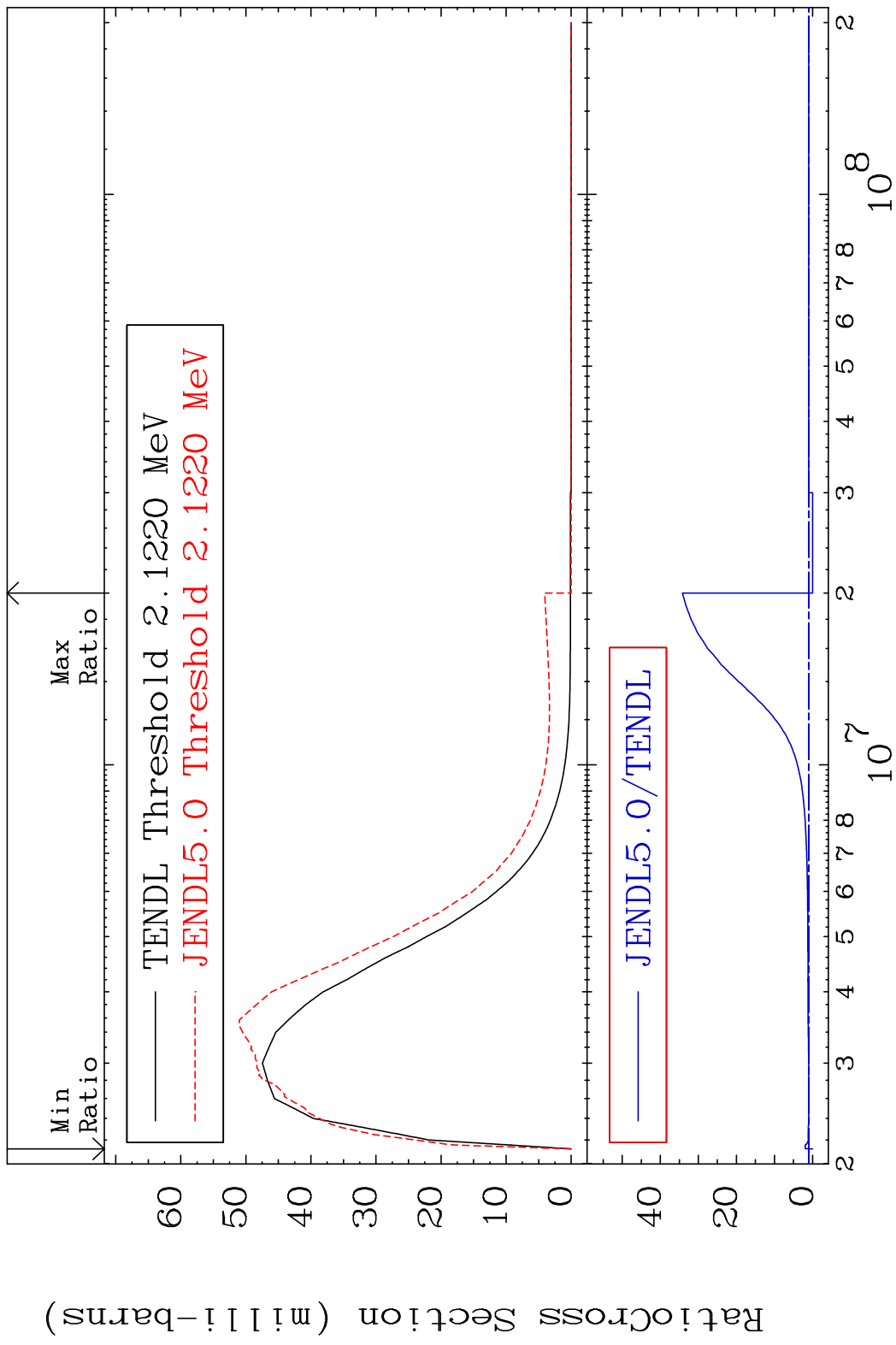


MAT 1928 MT= 56 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %

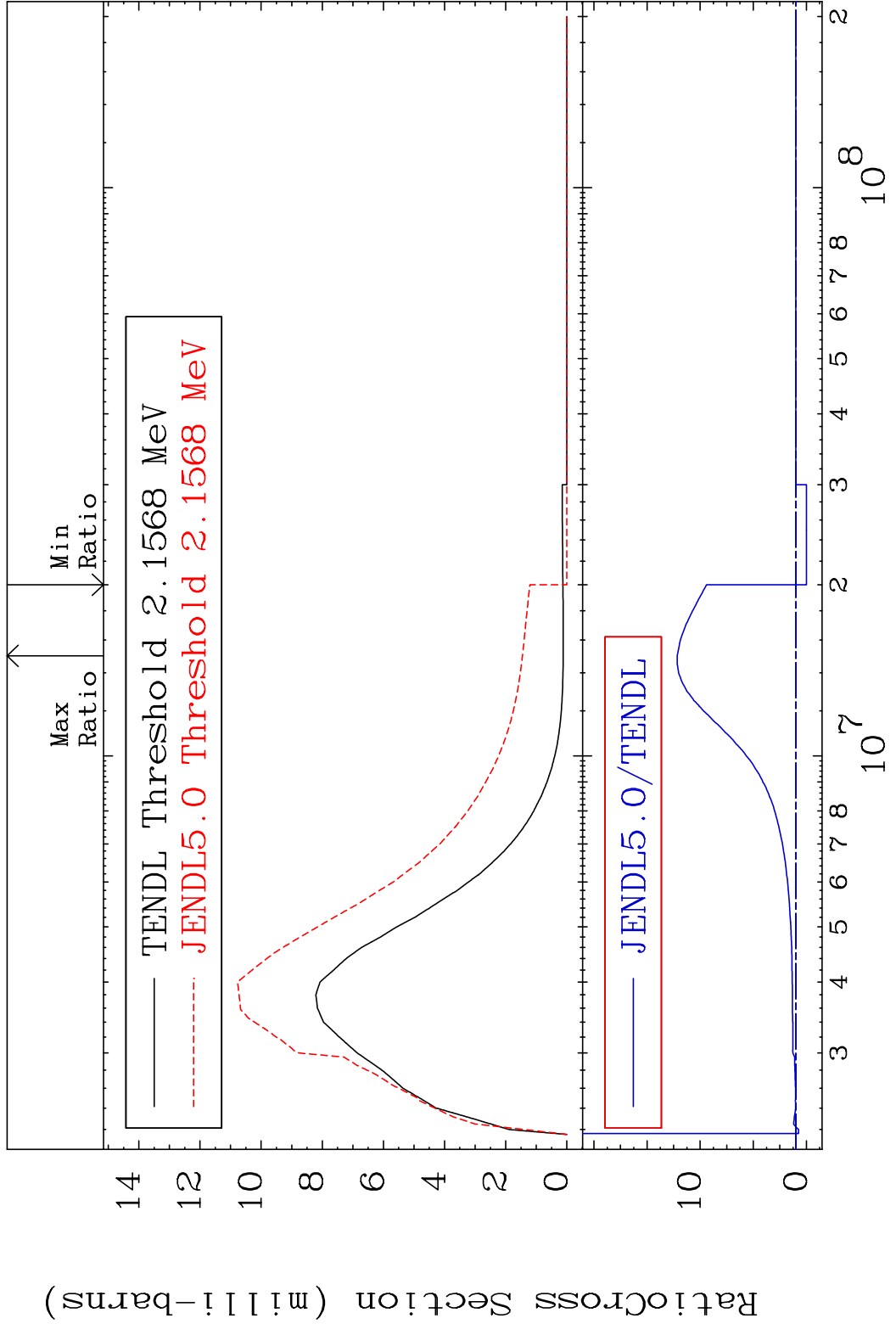


18 18-K -40

MAT 1928 MT= 57 (n, n') Level 19-K -40
 Cross Section -100.0 To 3320. %

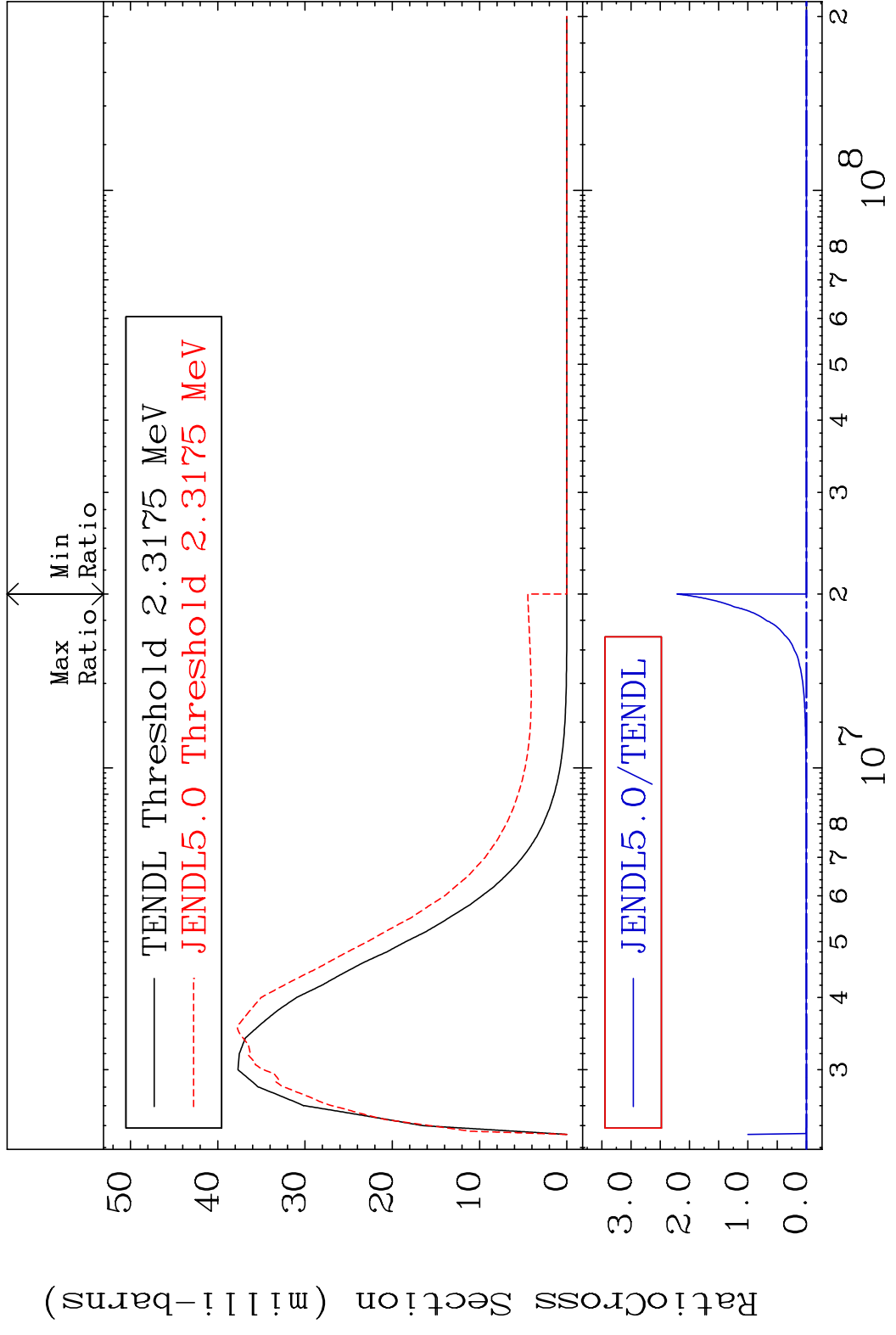


MAT 1928 MT= 58 (n, n') Level 19-K -40
 Cross Section -100.0 To 1116. %

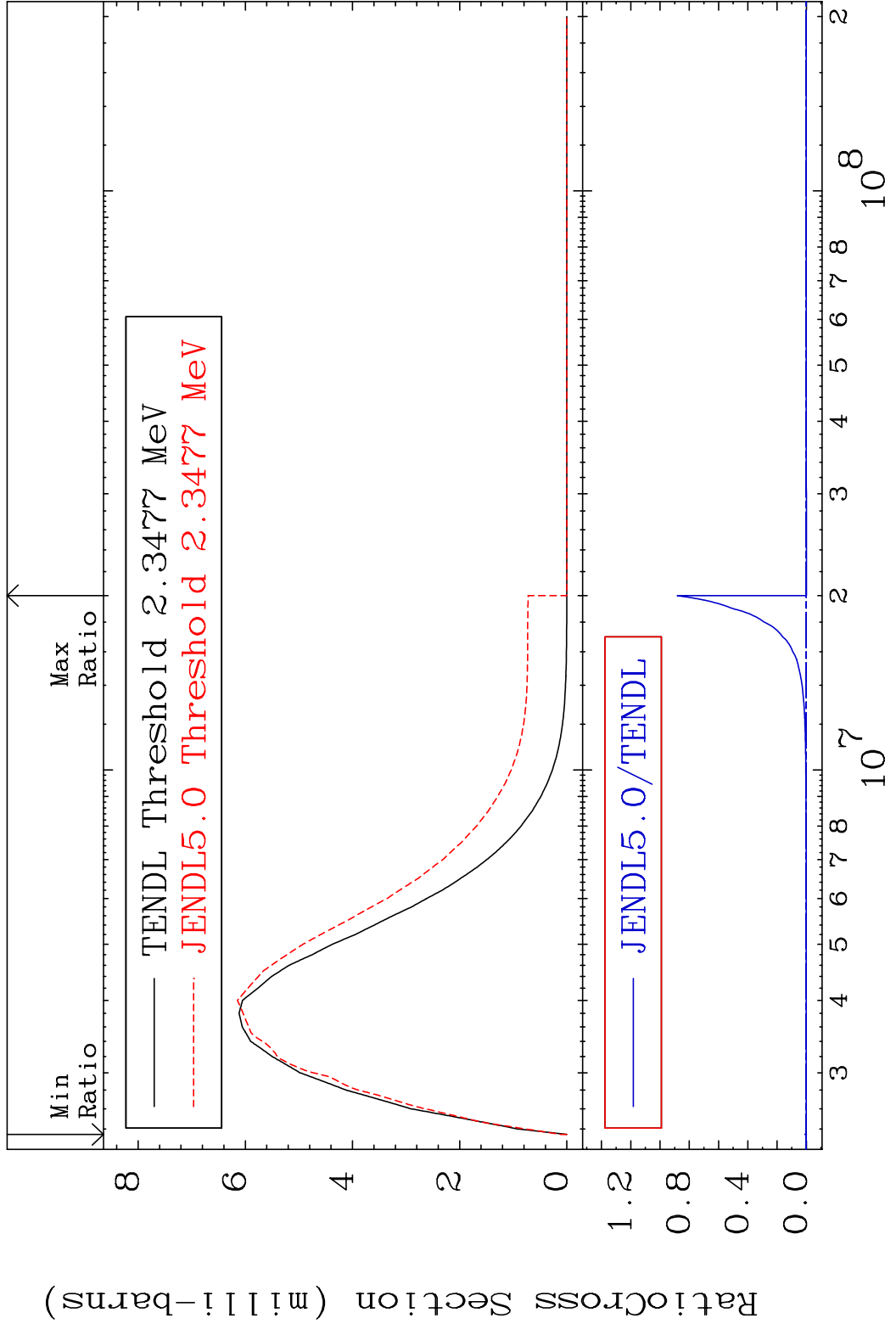


20 Incident Energy (eV) 19-K -40

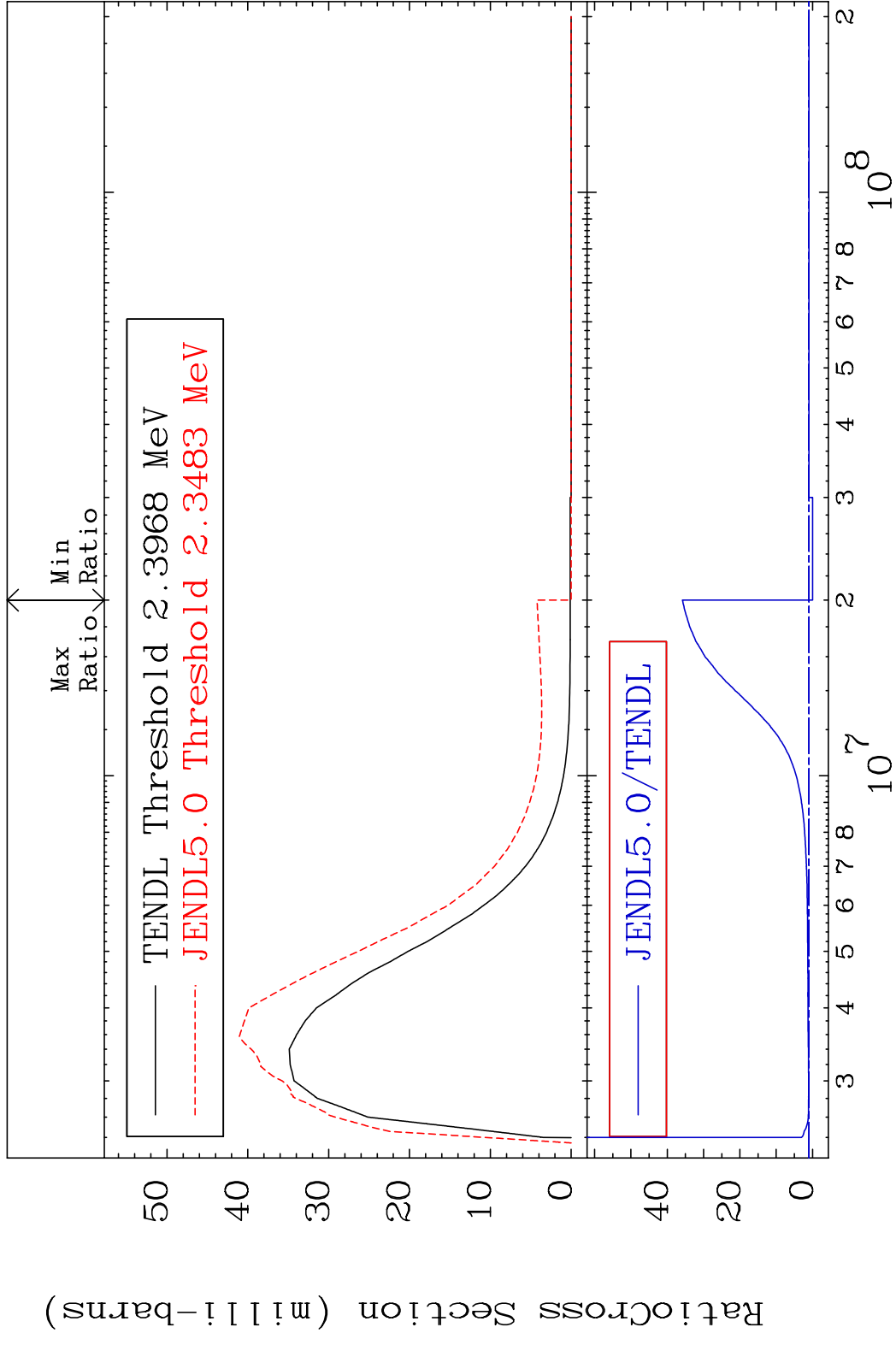
MAT 1928 MT= 59 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %



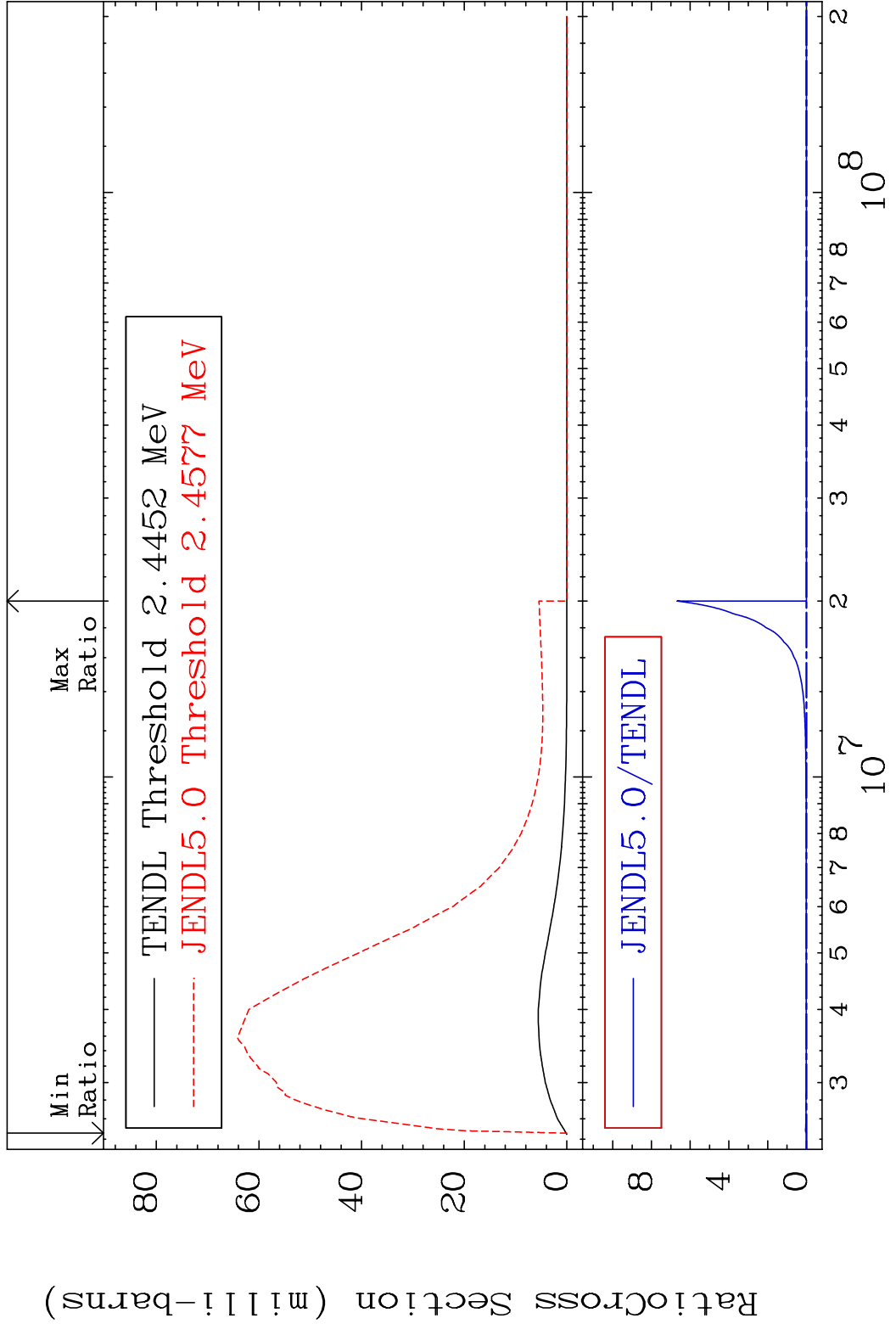
MAT 1928 MT= 60 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %



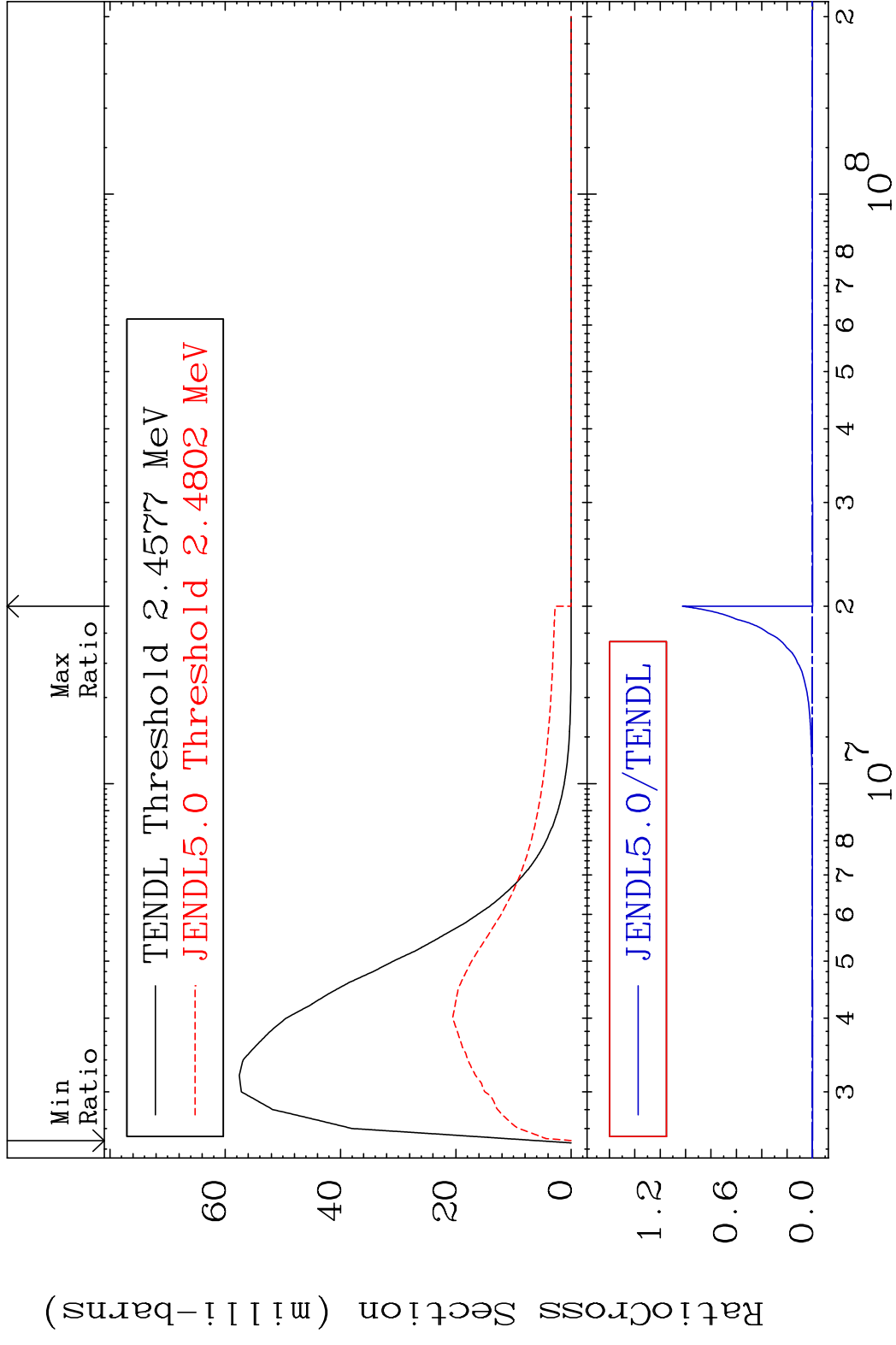
MAT 1928 MT= 61 (n, n') Level 19-K -40
 Cross Section -100.0 To 3484. %



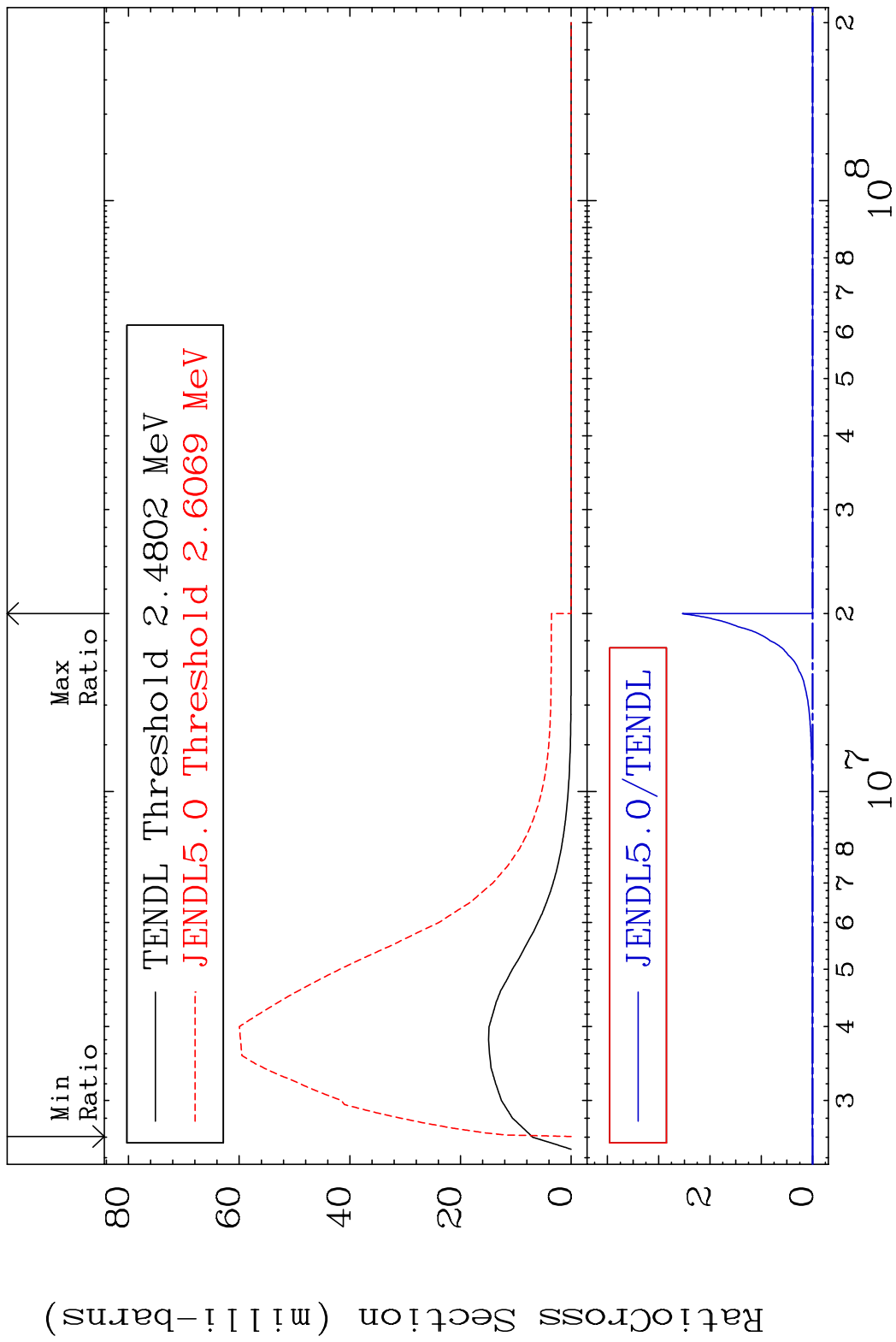
MAT 1928 MT= 62 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %



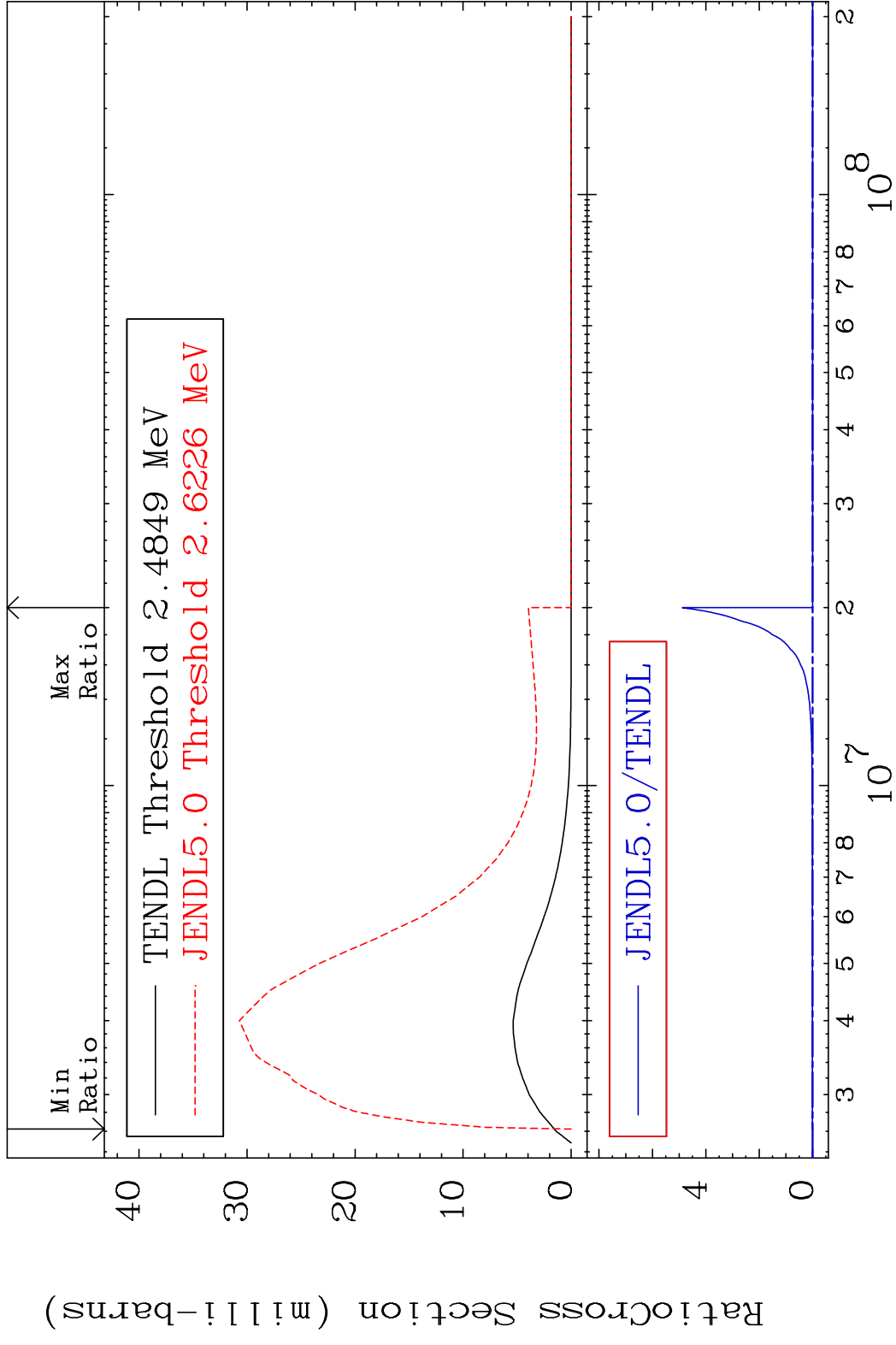
MAT 1928 MT= 63 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %



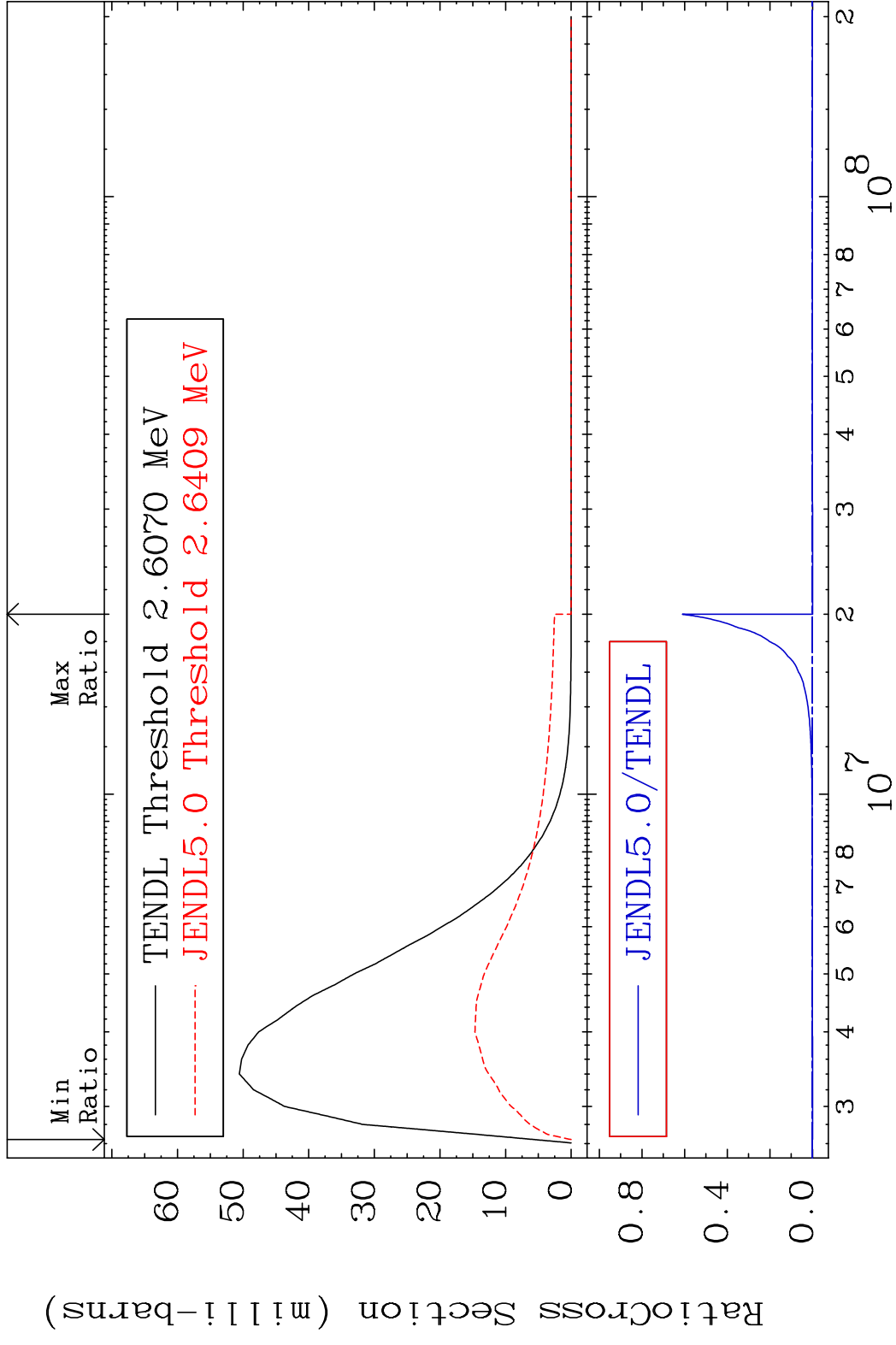
MAT 1928 MT= 64 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %



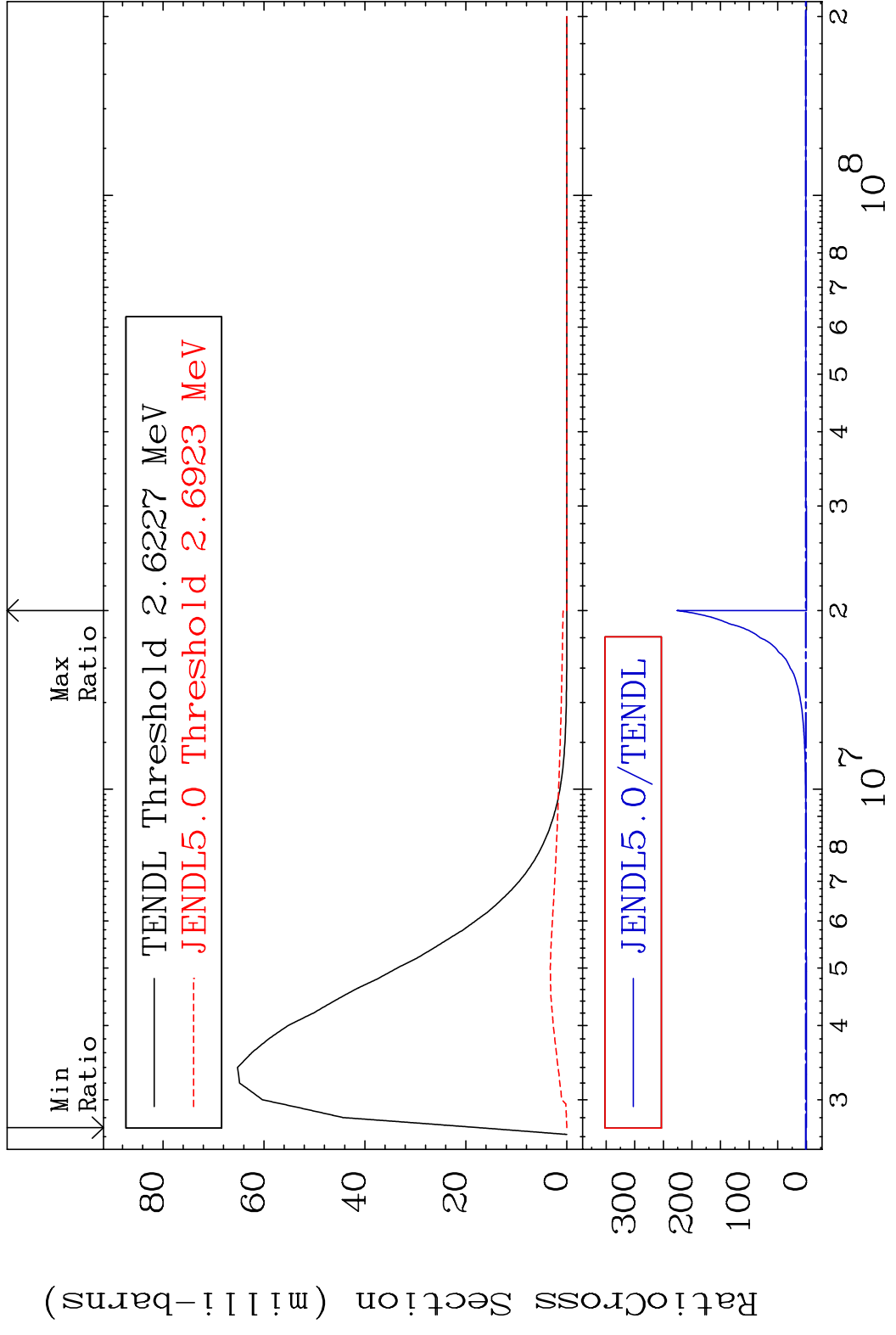
MAT 1928 MT= 65 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %



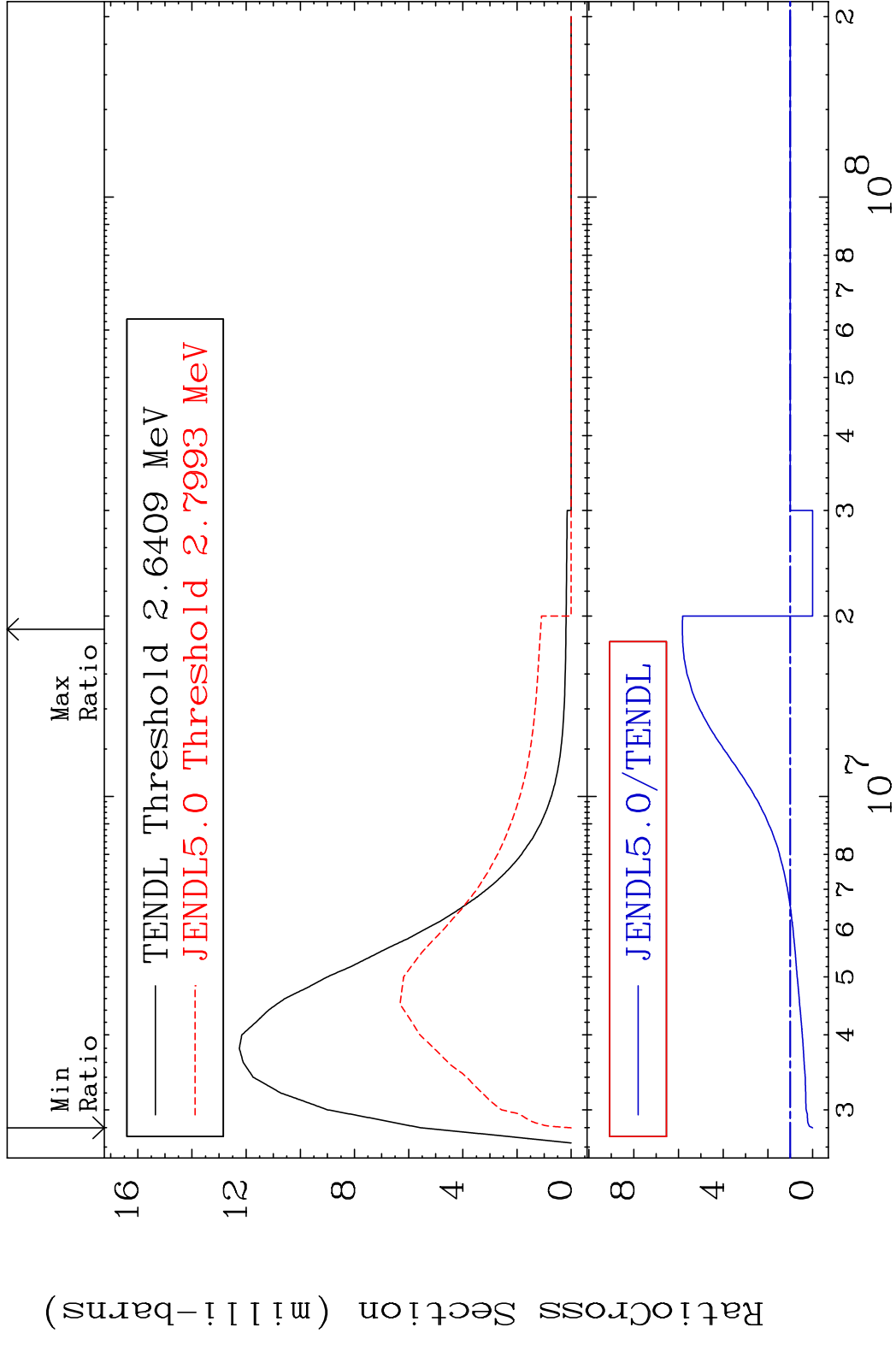
MAT 1928 MT= 66 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %



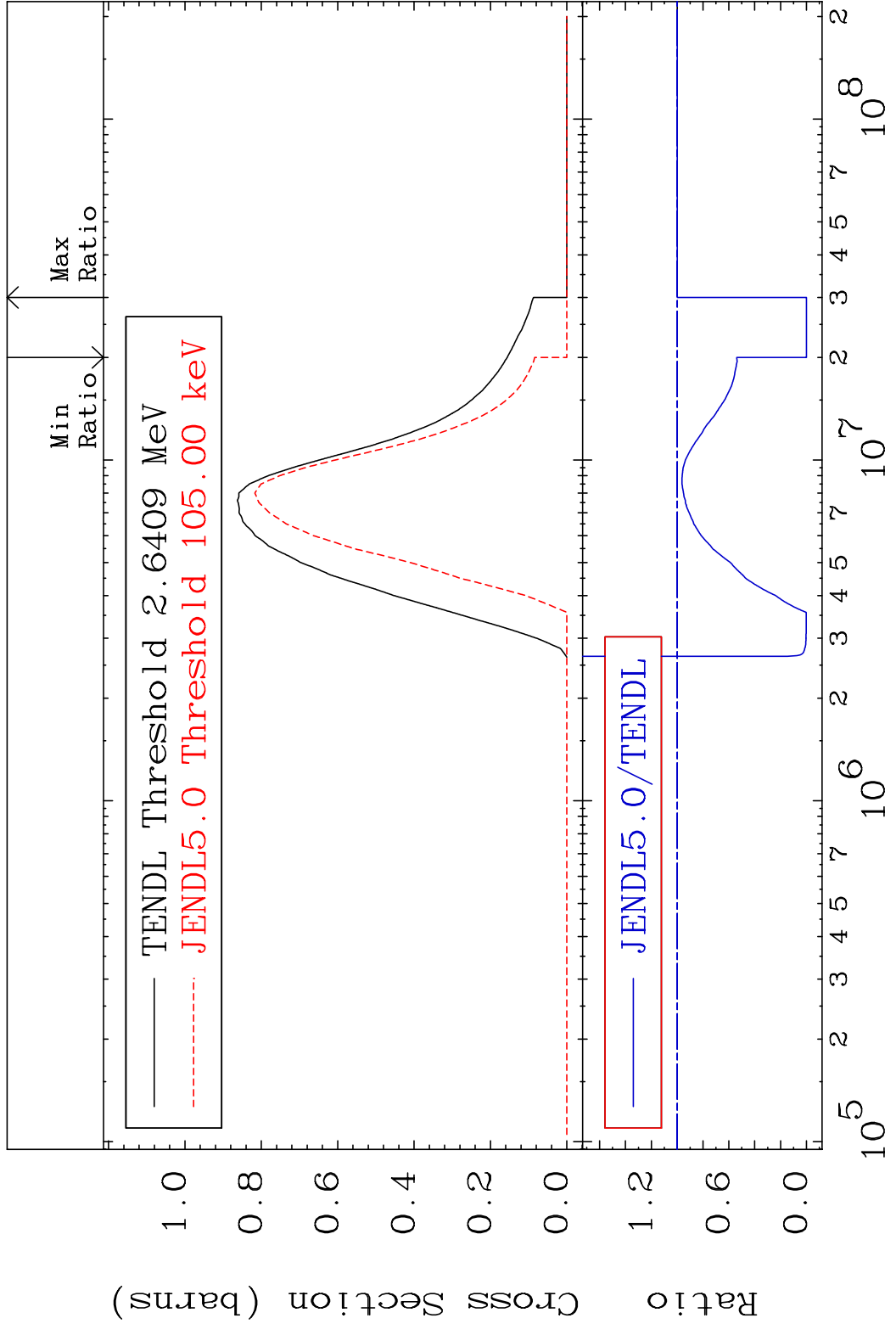
MAT 1928 MT= 67 (n, n') Level 19-K -40
 Cross Section -100.0 To 9999. %



MAT 1928 MT= 68 (n, n') Level 19-K -40
 Cross Section -100.0 To 482.4 %



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

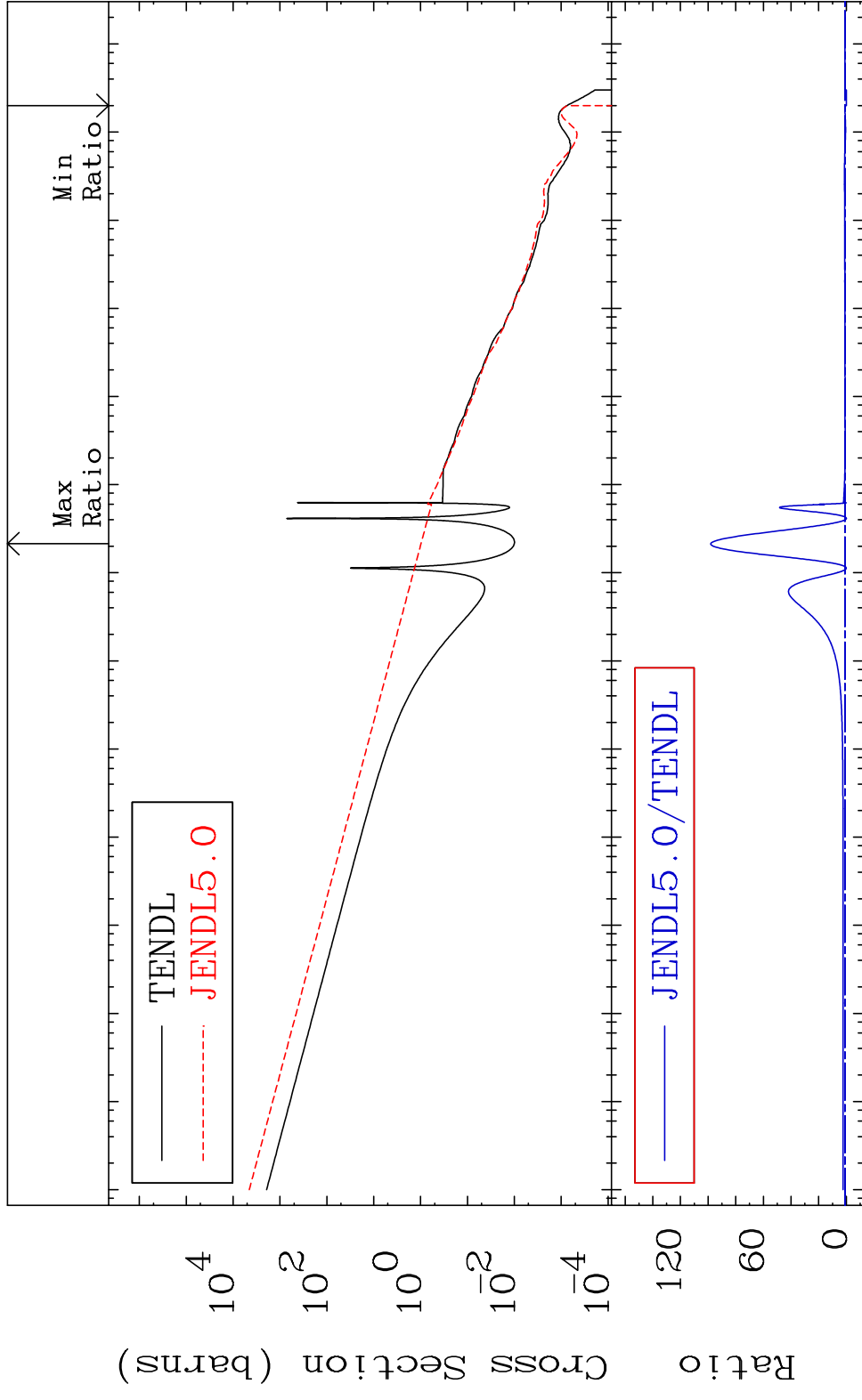


MAT 1928

(n, γ)

19-K -40

Cross Section -100.0 To 9710. %



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Incident Energy (eV)

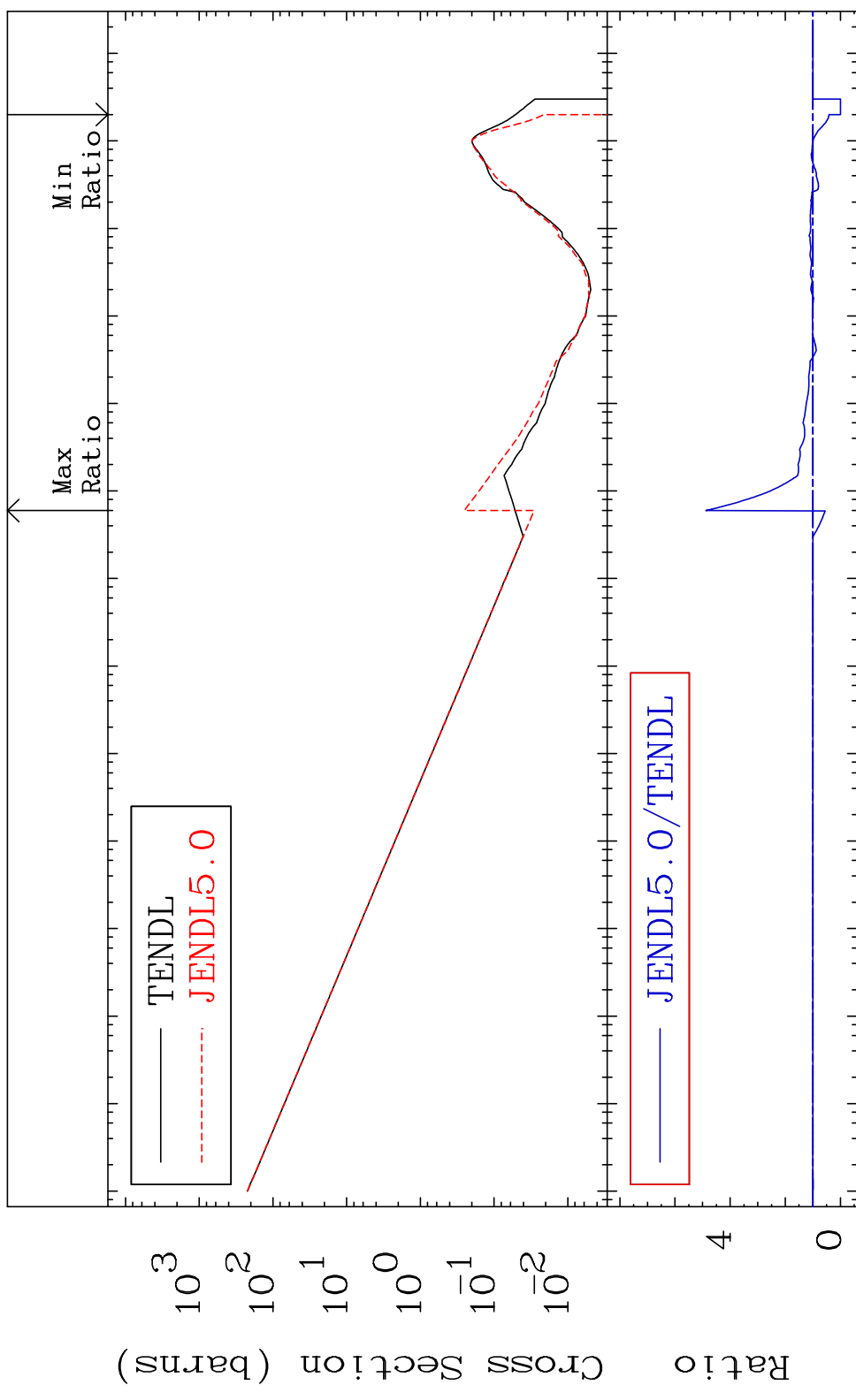
19-K -40

MAT 1928

(n,p)

19-K -40

Cross Section -100.0 To 388.4 %

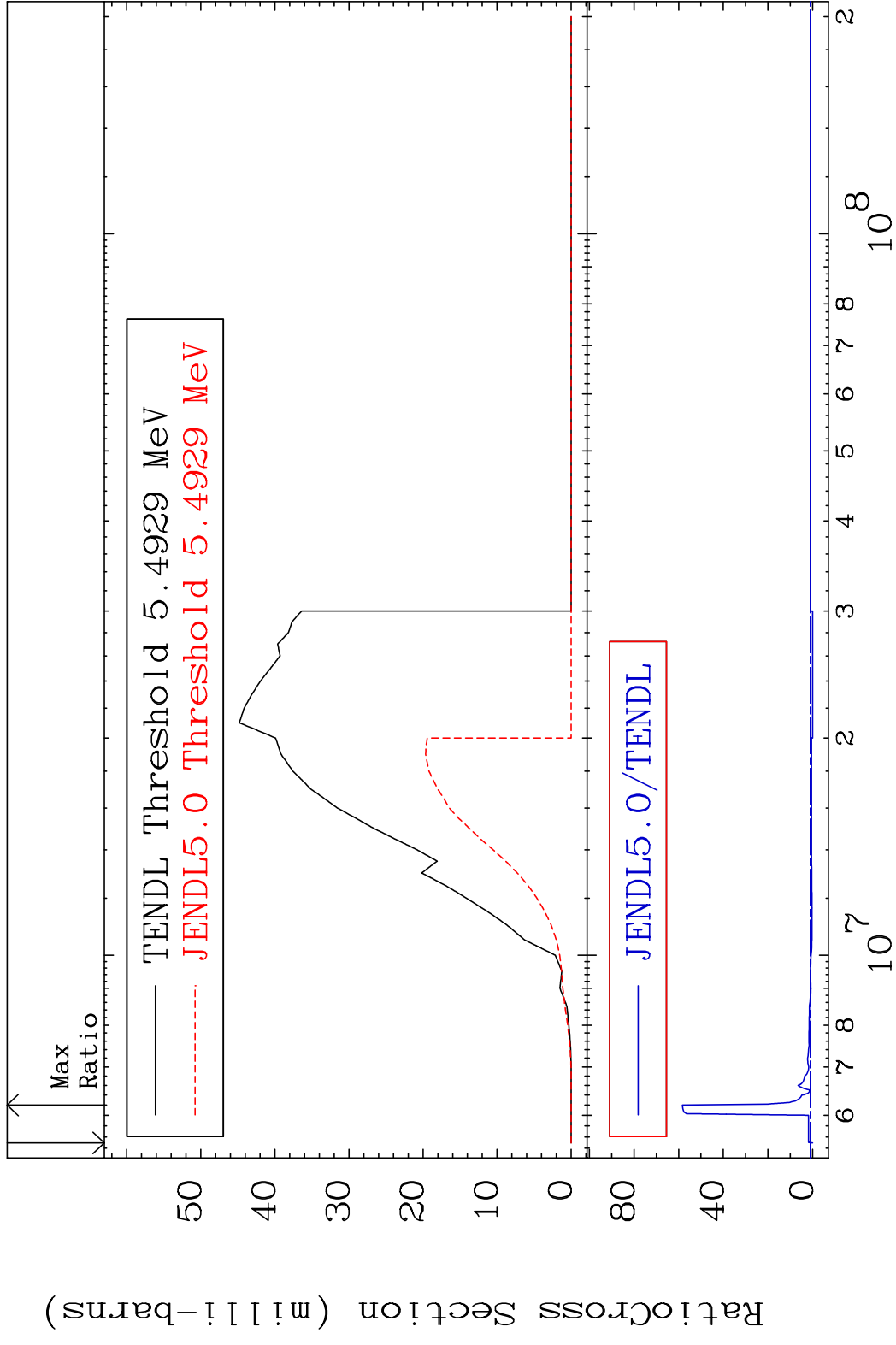


33

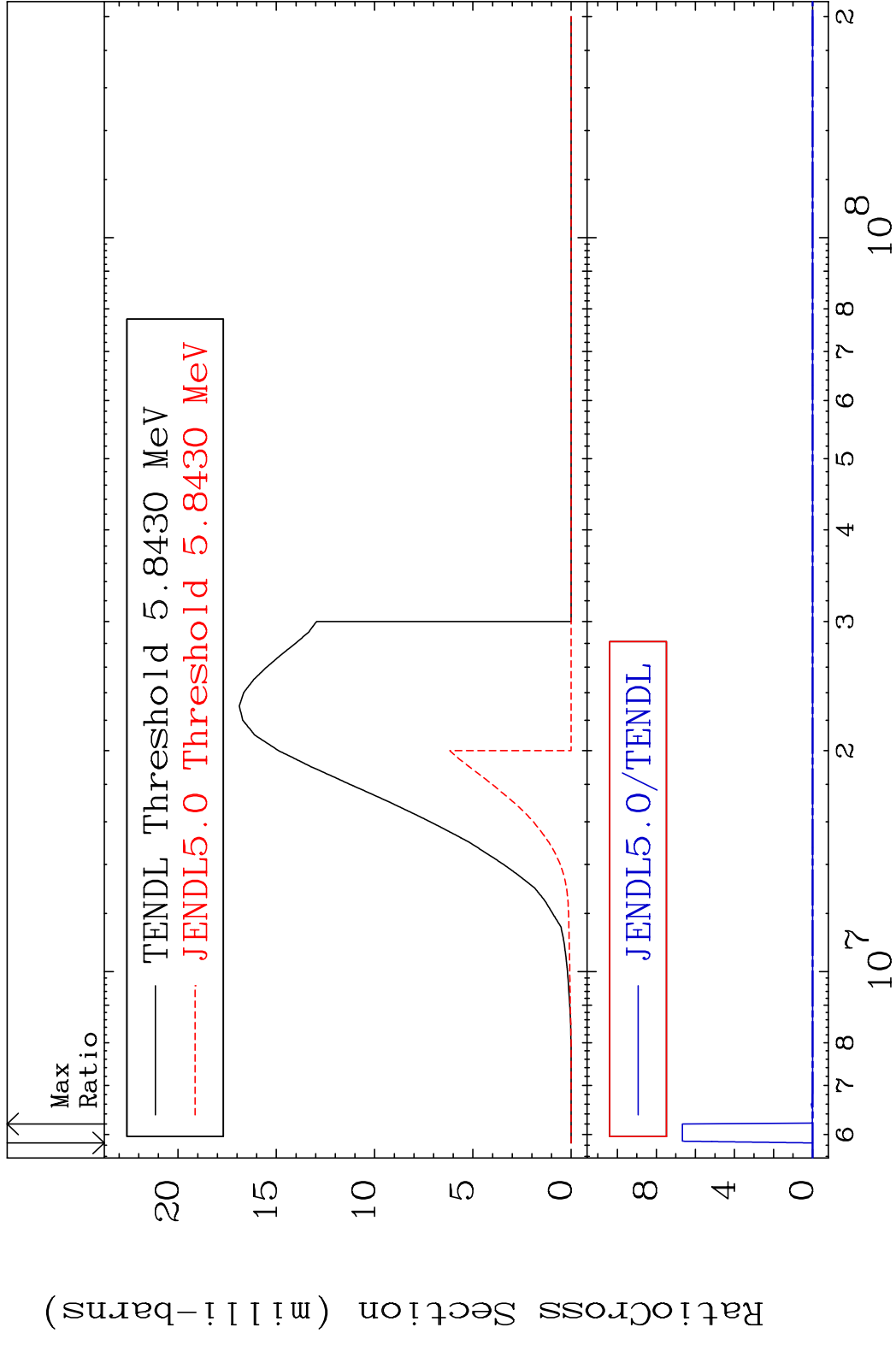
Incident Energy (eV)

19-K -40

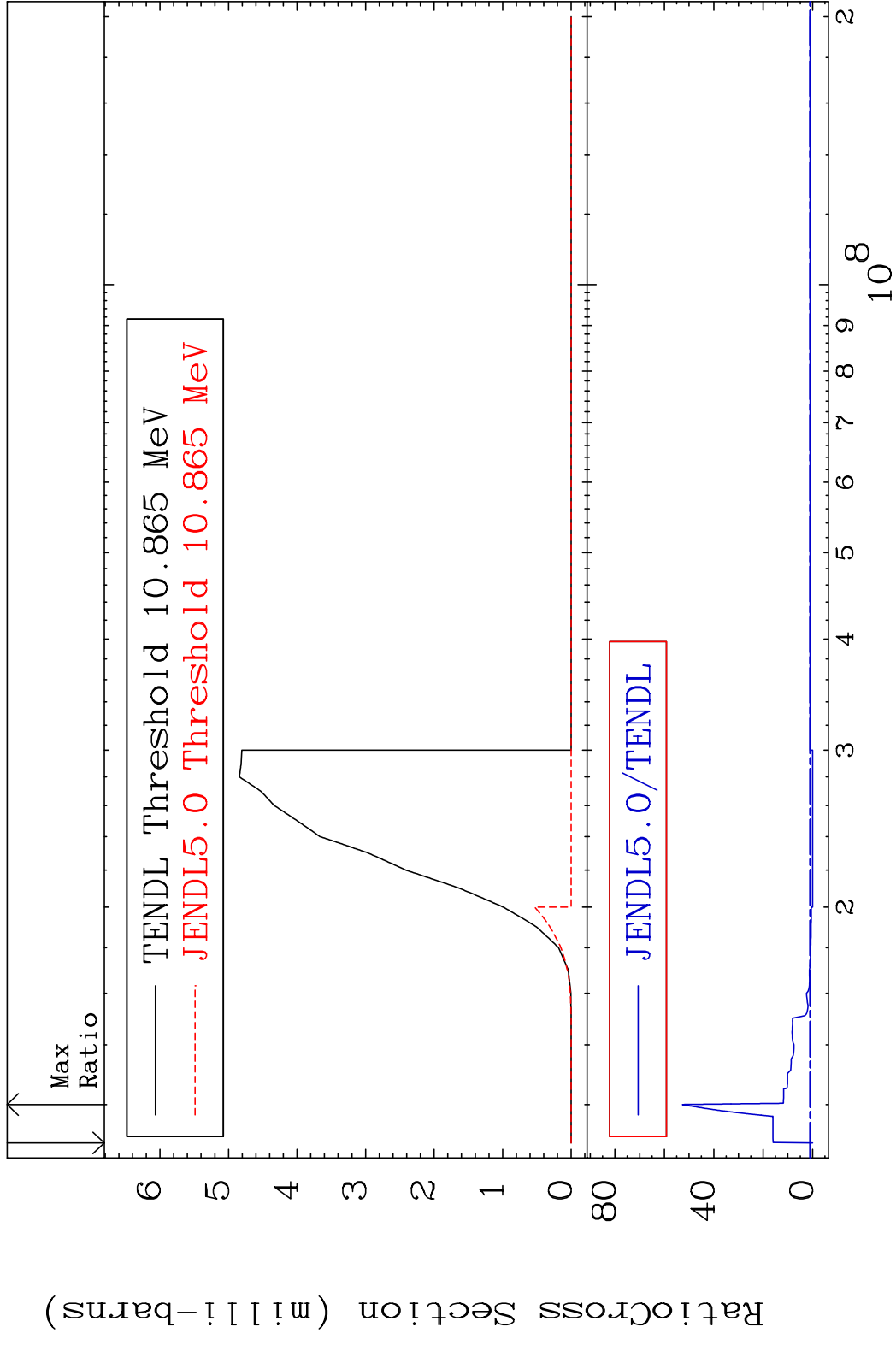
MAT 1928 (n,d) 19-K -40
 Cross Section -100.0 To 5734. %



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



MAT 1928 (n, He-3) 19-K -40
 Cross Section -100.0 To 5172. %

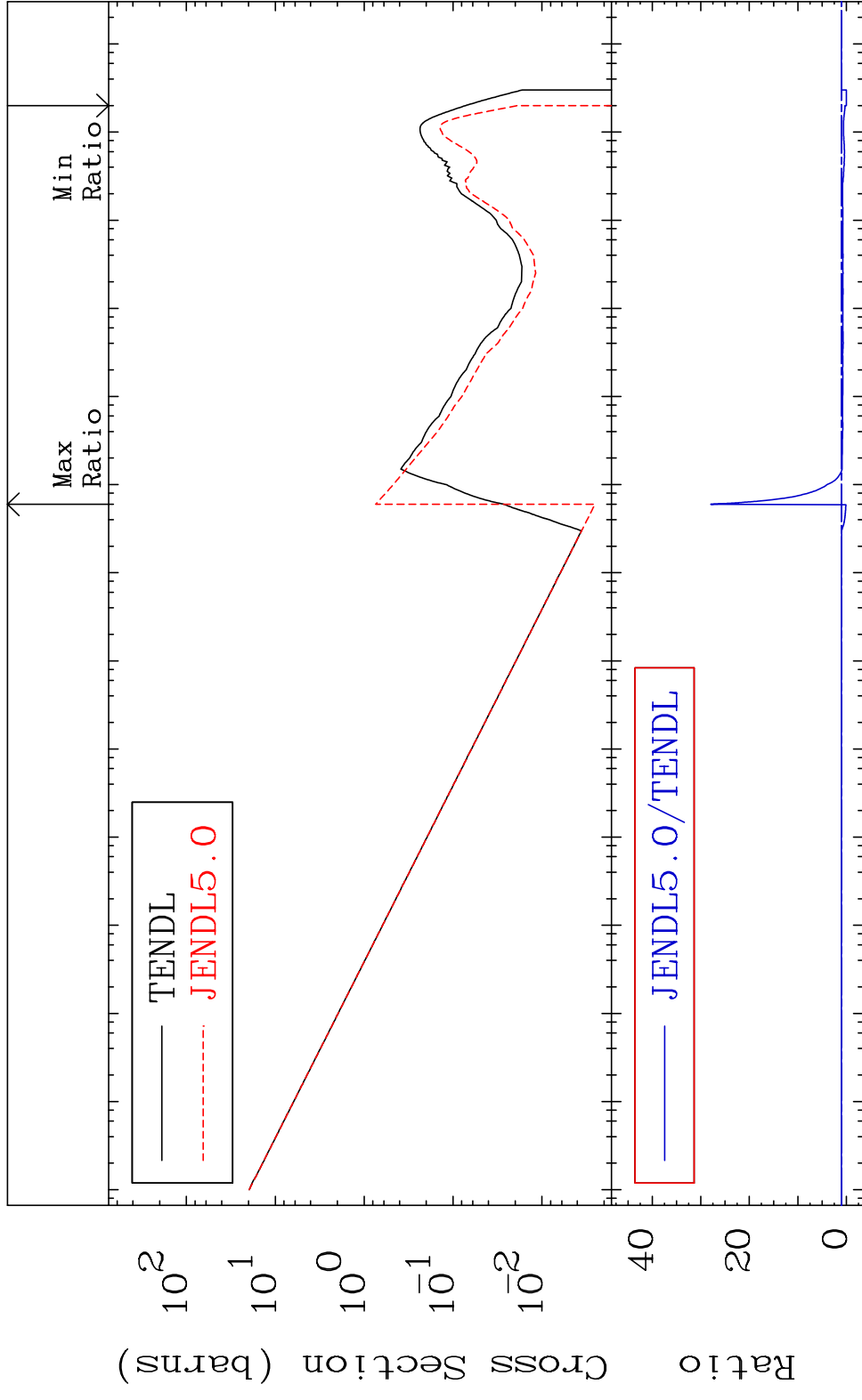


MAT 1928

19-K -40

(n, α)

Cross Section -100.0 To 2696. %

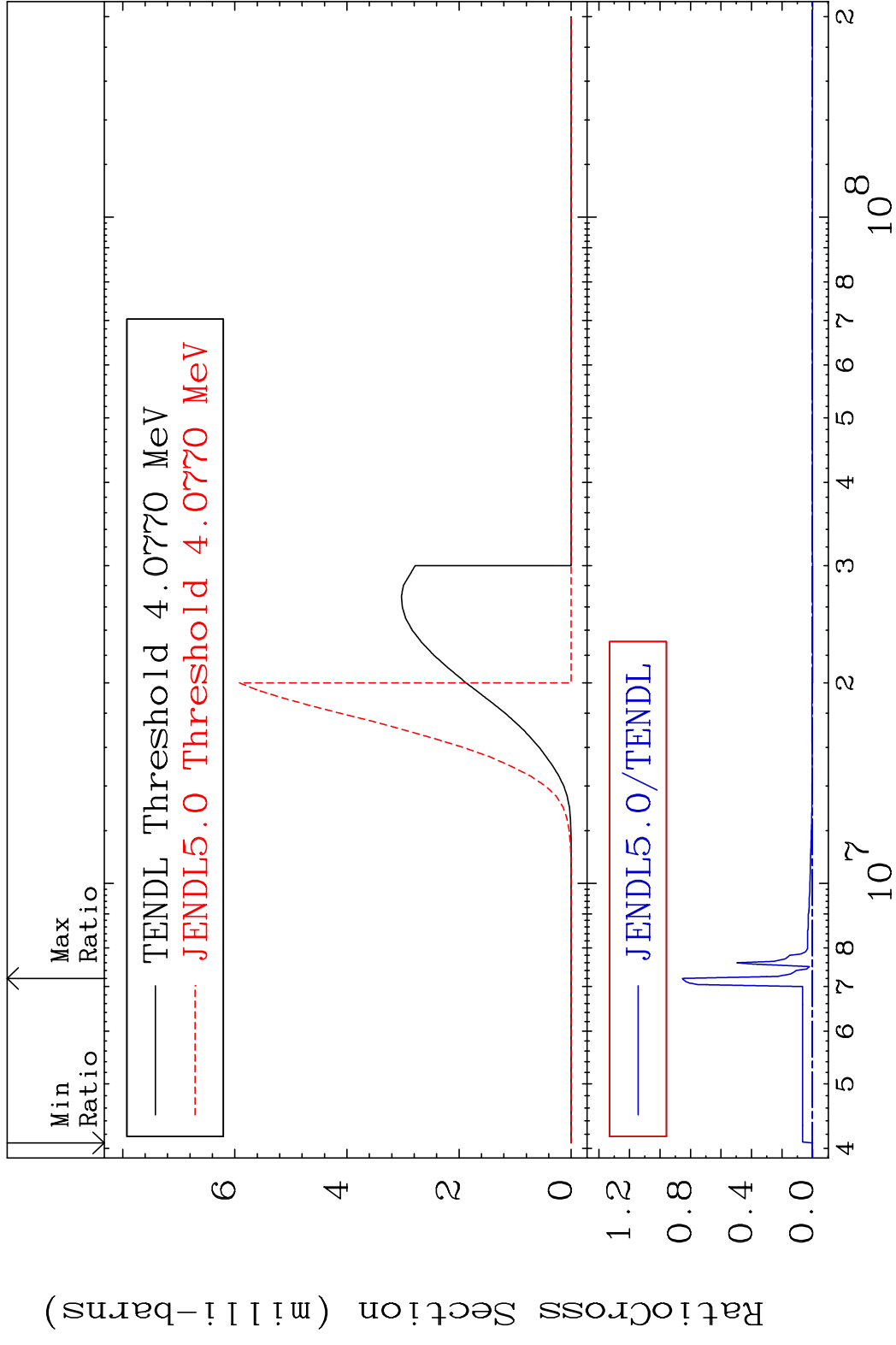


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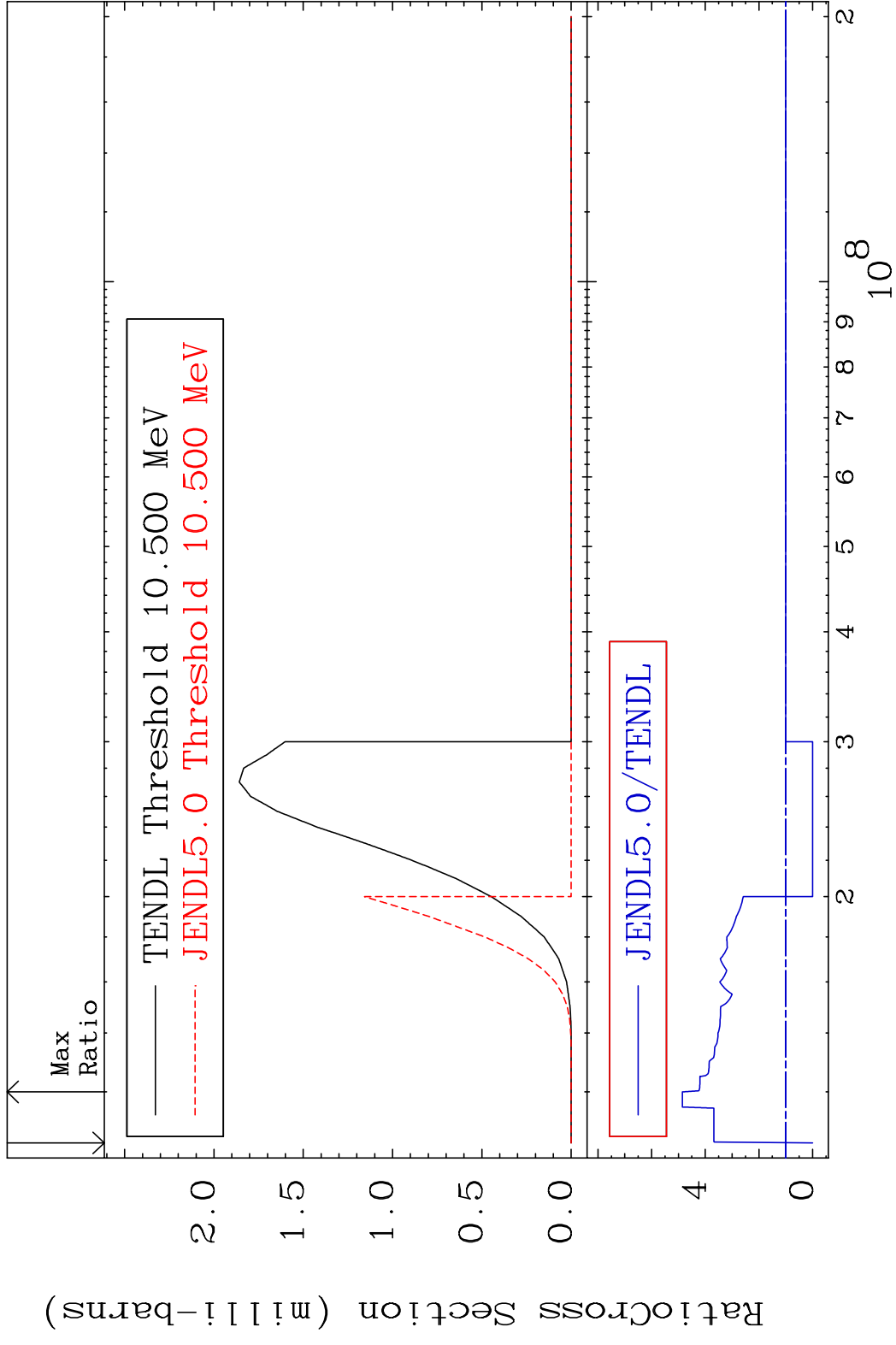
Incident Energy (eV)

19-K -40

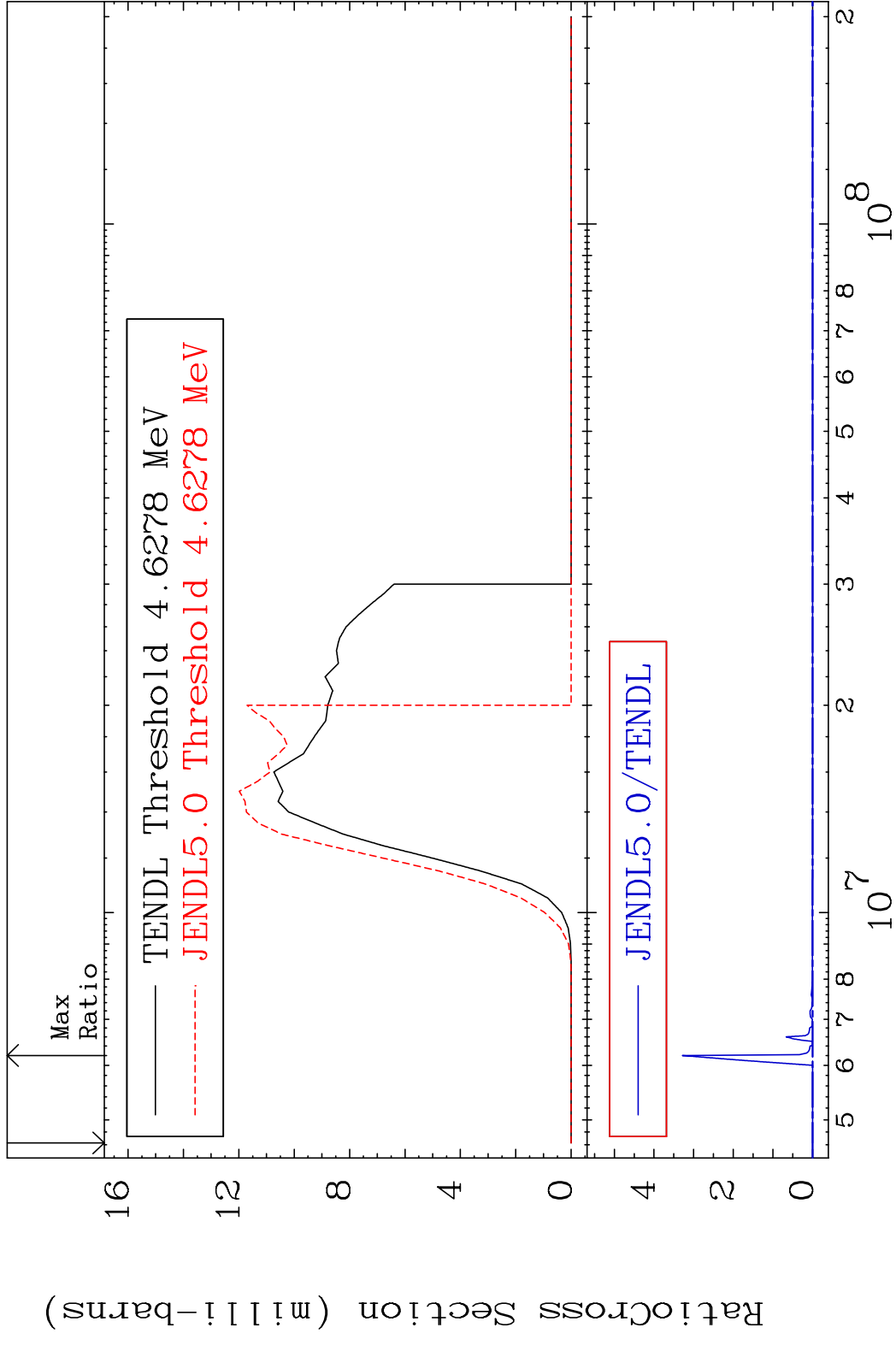
MAT 1928 (n,2α) 19-K -40
 Cross Section -100.0 To 9999. %



MAT 1928 (n,2p) 19-K -40
 Cross Section -100.0 To 385.4 %

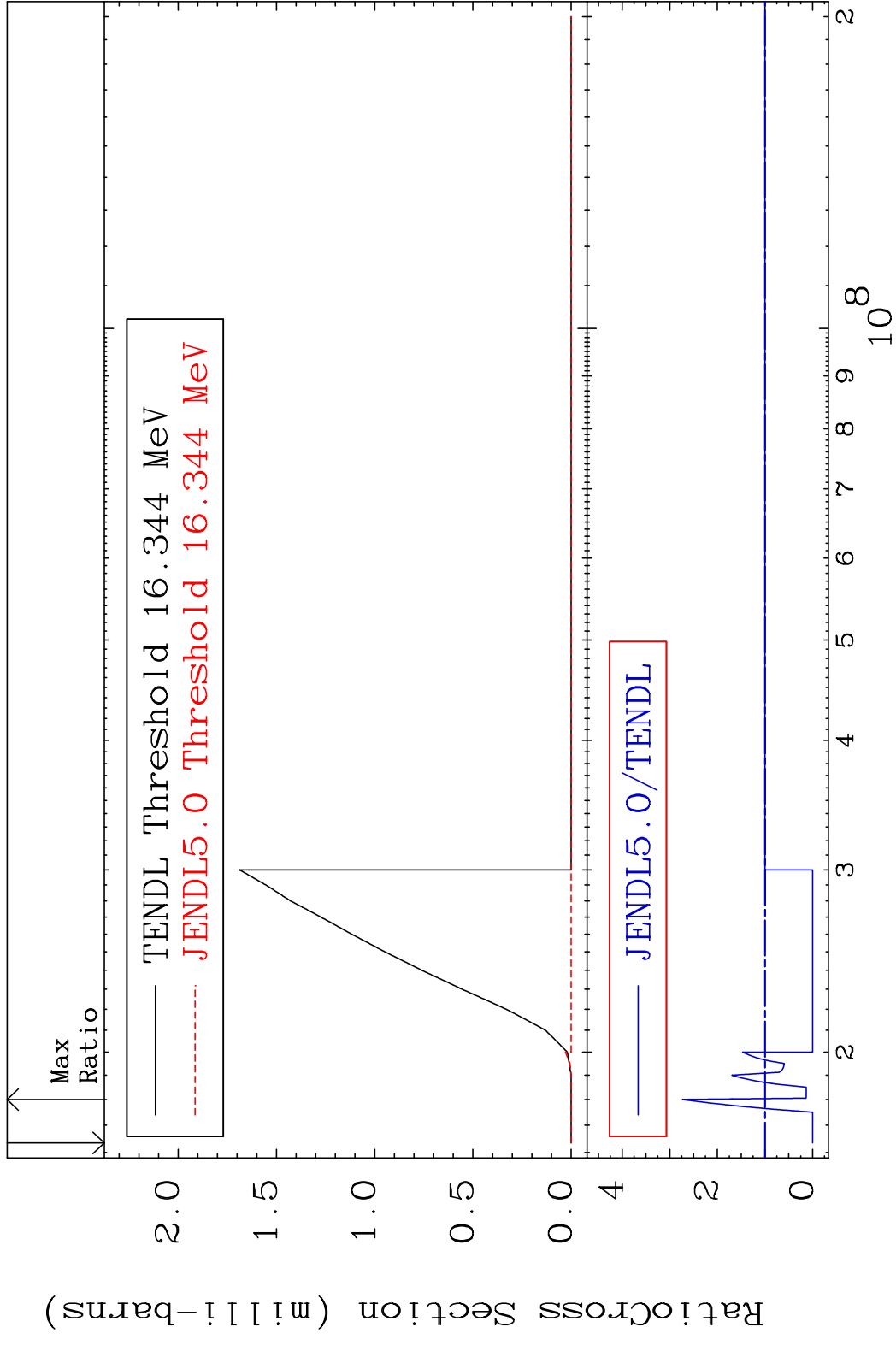


MAT 1928 (n,p) α 19-K -40
 Cross Section -100.0 To 9999. %



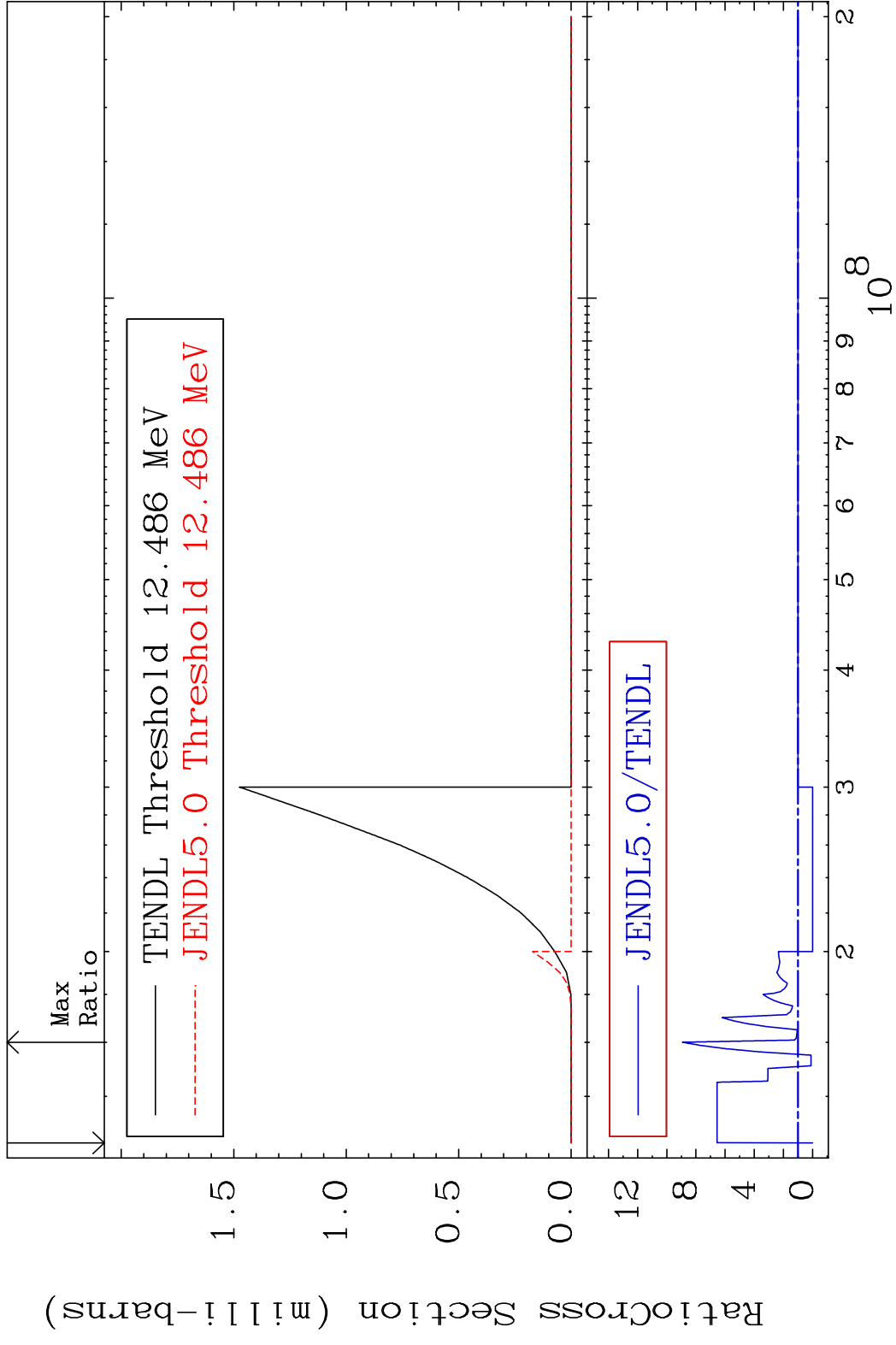
40 19-K -40

MAT 1928 (n,p) t 19-K -40
 Cross Section -100.0 To 173.5 %



41 Incident Energy (eV) 19-K -40

MAT 1928 (n,d) α 19-K -40
 Cross Section -100.0 To 793.2 %

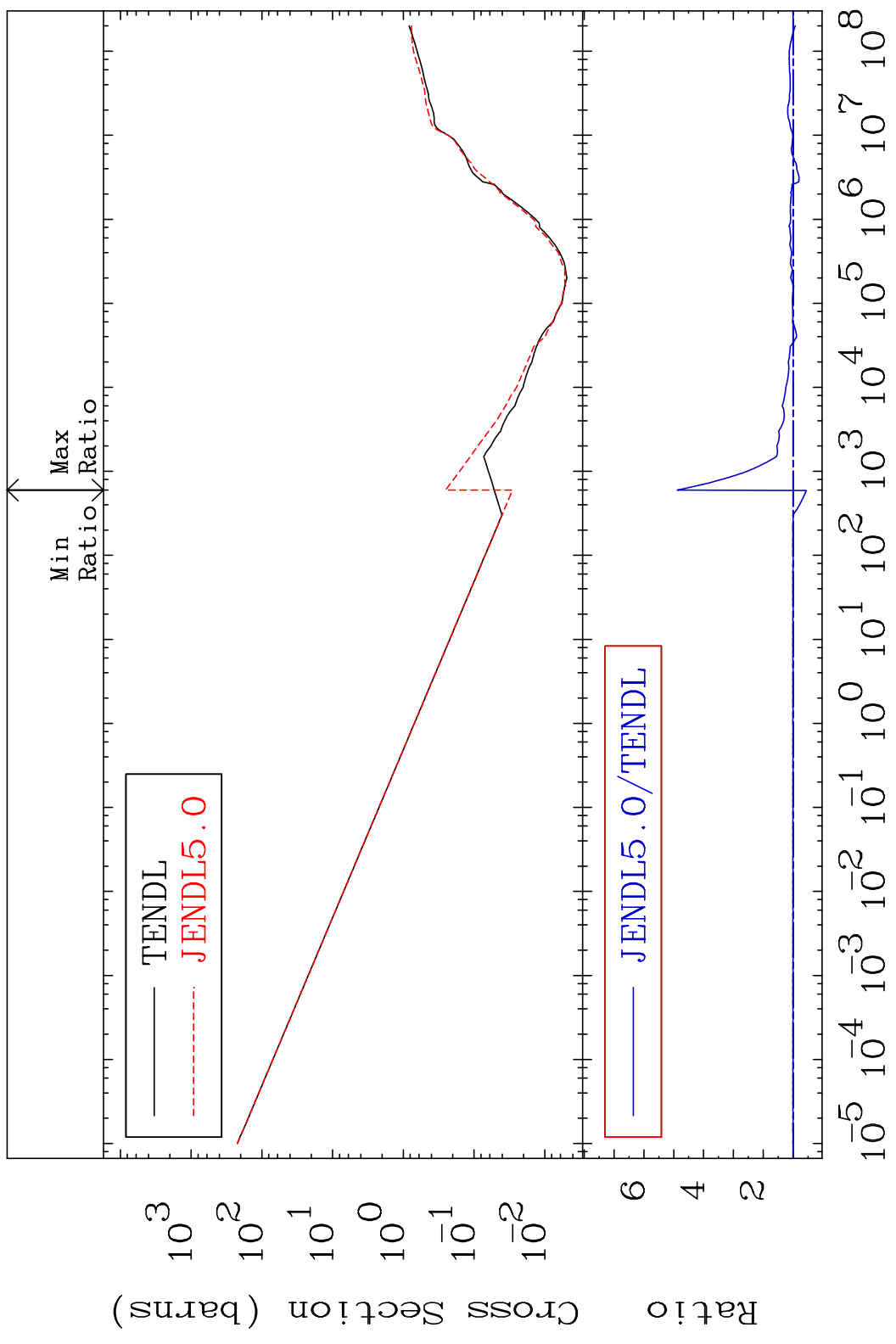


MAT 1928

Hydrogen Production

19-K -40

Cross Section -44.89 To 388.4 %

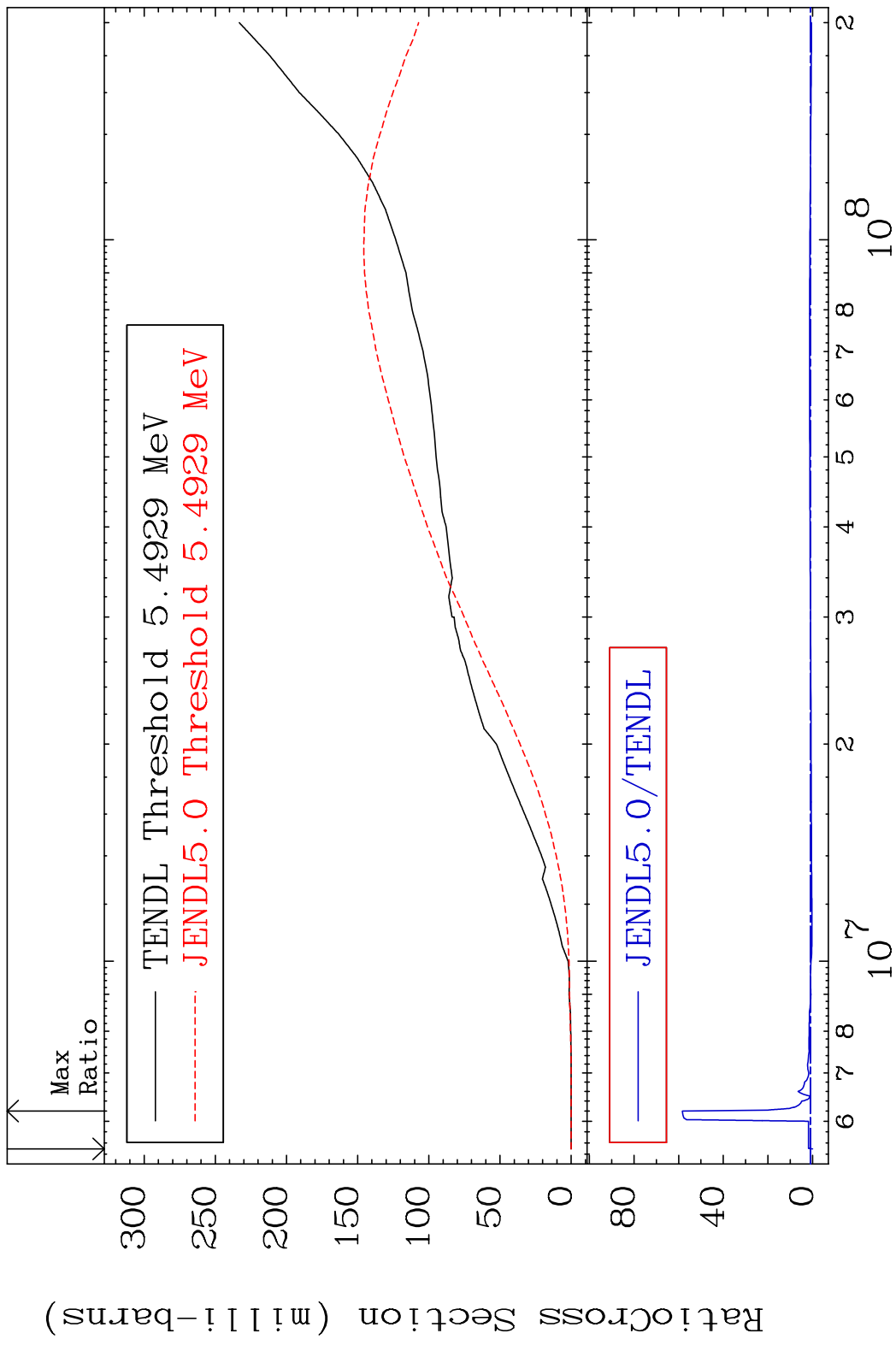


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Incident Energy (eV)

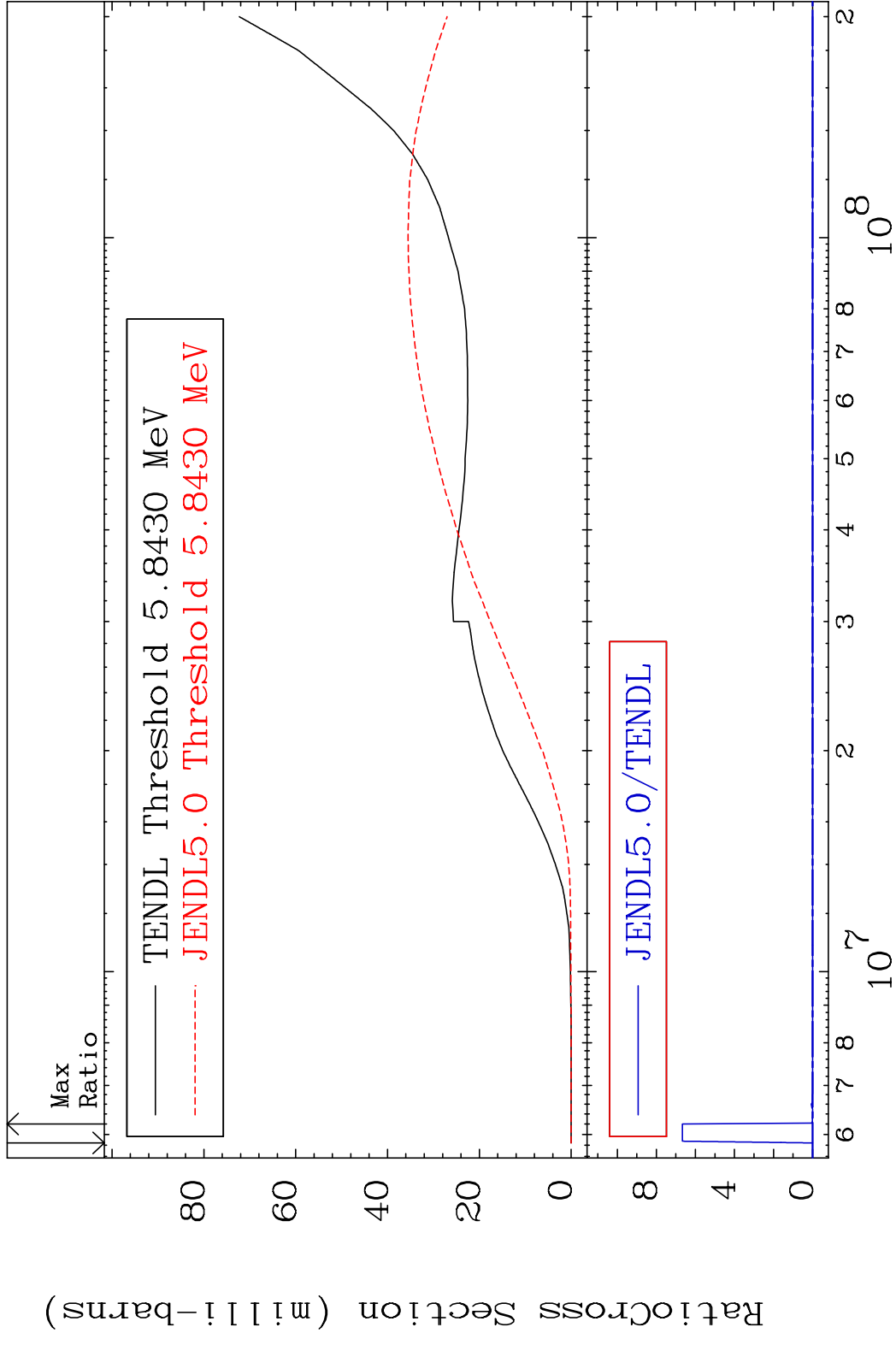
19-K -40

MAT 1928 Deuterium Production 19-K -40
 Cross Section -100.0 To 5734. %



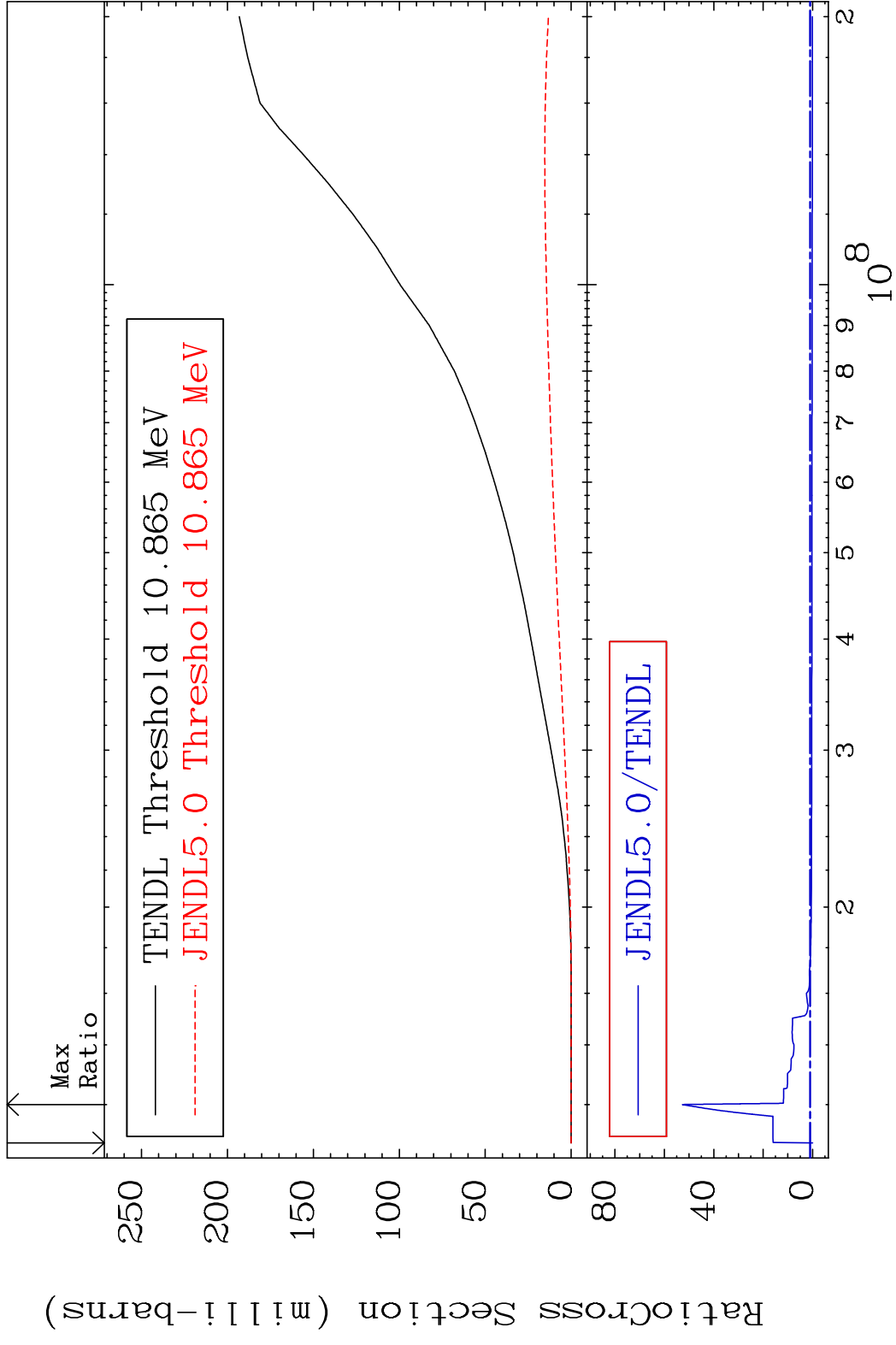
44 19-K -40

MAT 1928 Tritium Production 19-K -40
 Cross Section -100.0 To 9999. %



45 19-K -40

MAT 1928 He-3 Production 19-K -40
 Cross Section -100.0 To 5172. %



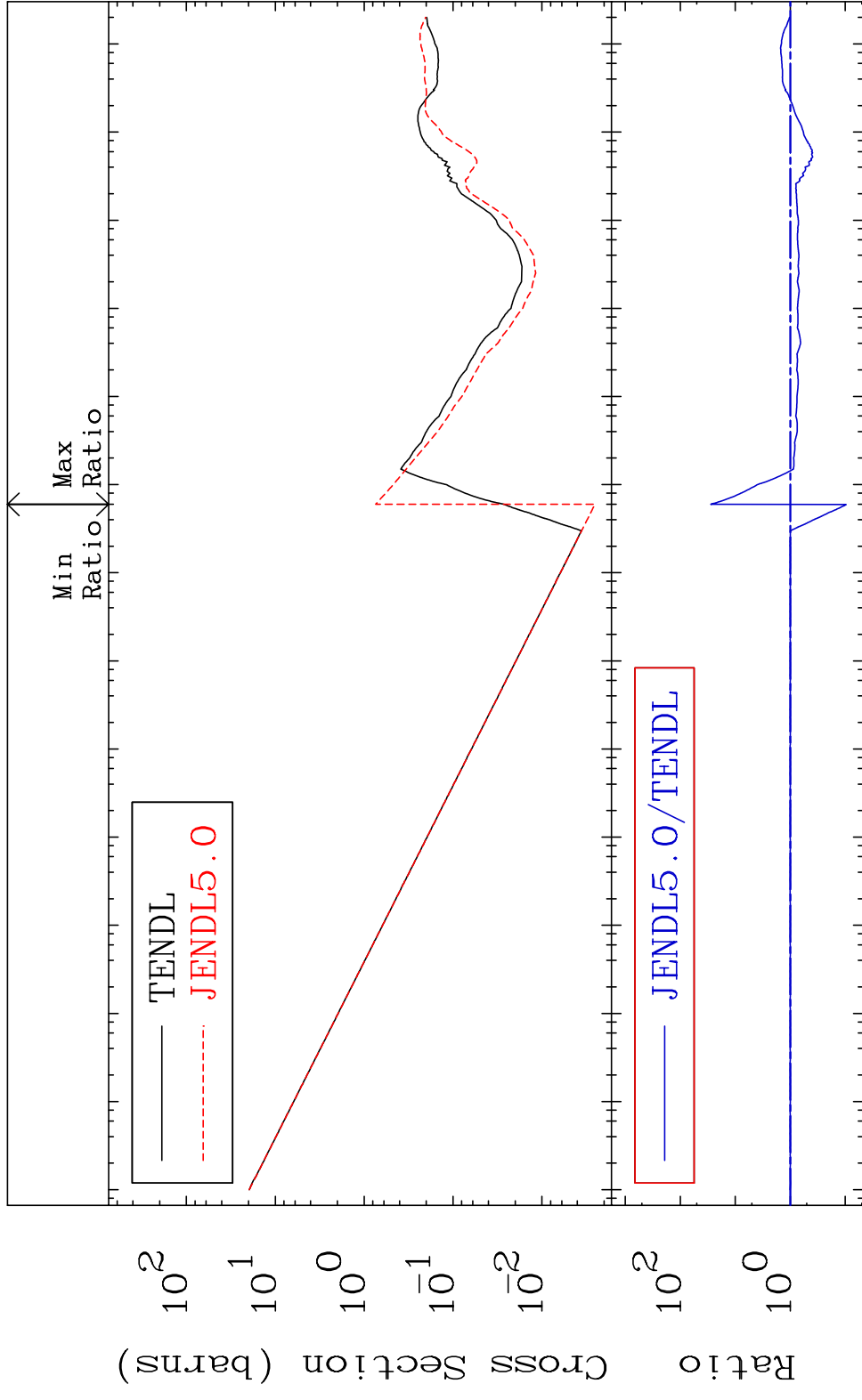
46 Incident Energy (eV) 19-K -40

MAT 1928

He-4 Production

19-K -40

Cross Section -90.47 To 2696. %



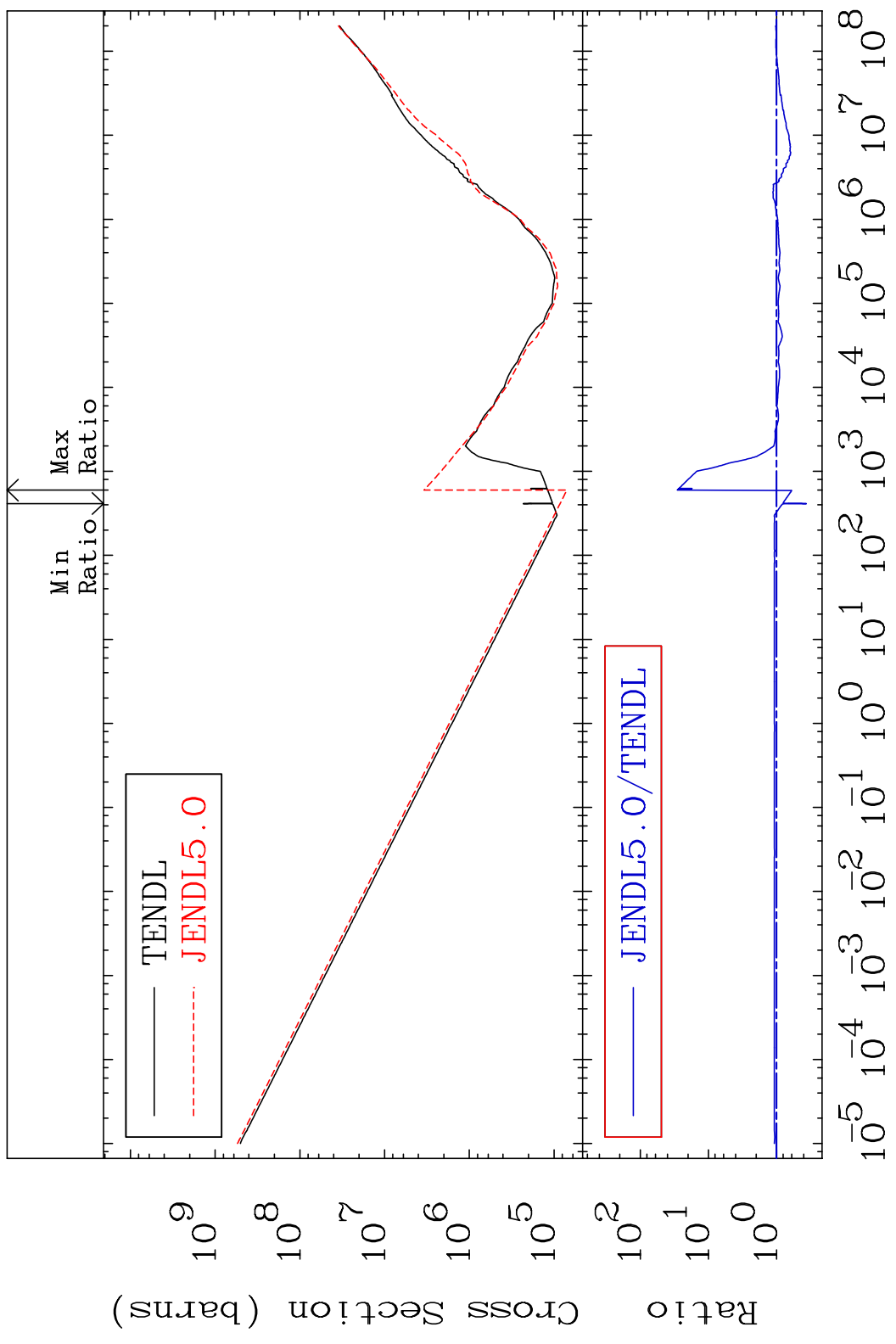
47

Incident Energy (eV)

19-K -40

MAT 1928

Kerma total (eV-barns) 19-K -40
Cross Section -63.46 To 2780. %



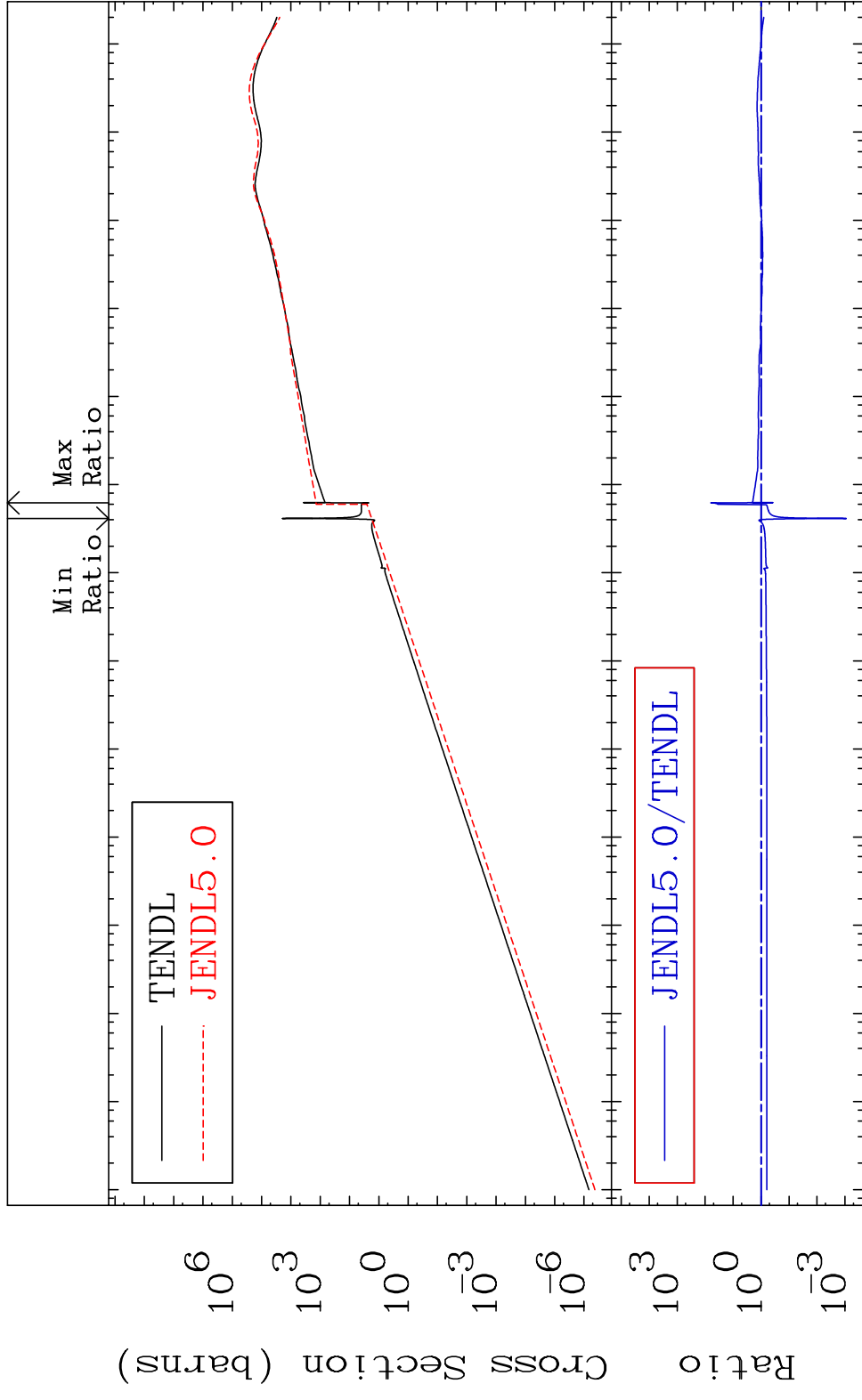
48

Incident Energy (eV) 19-K -40

MAT 1928

Kerma elastic
Cross Section

19-K -40
-99.91 To 6215. %

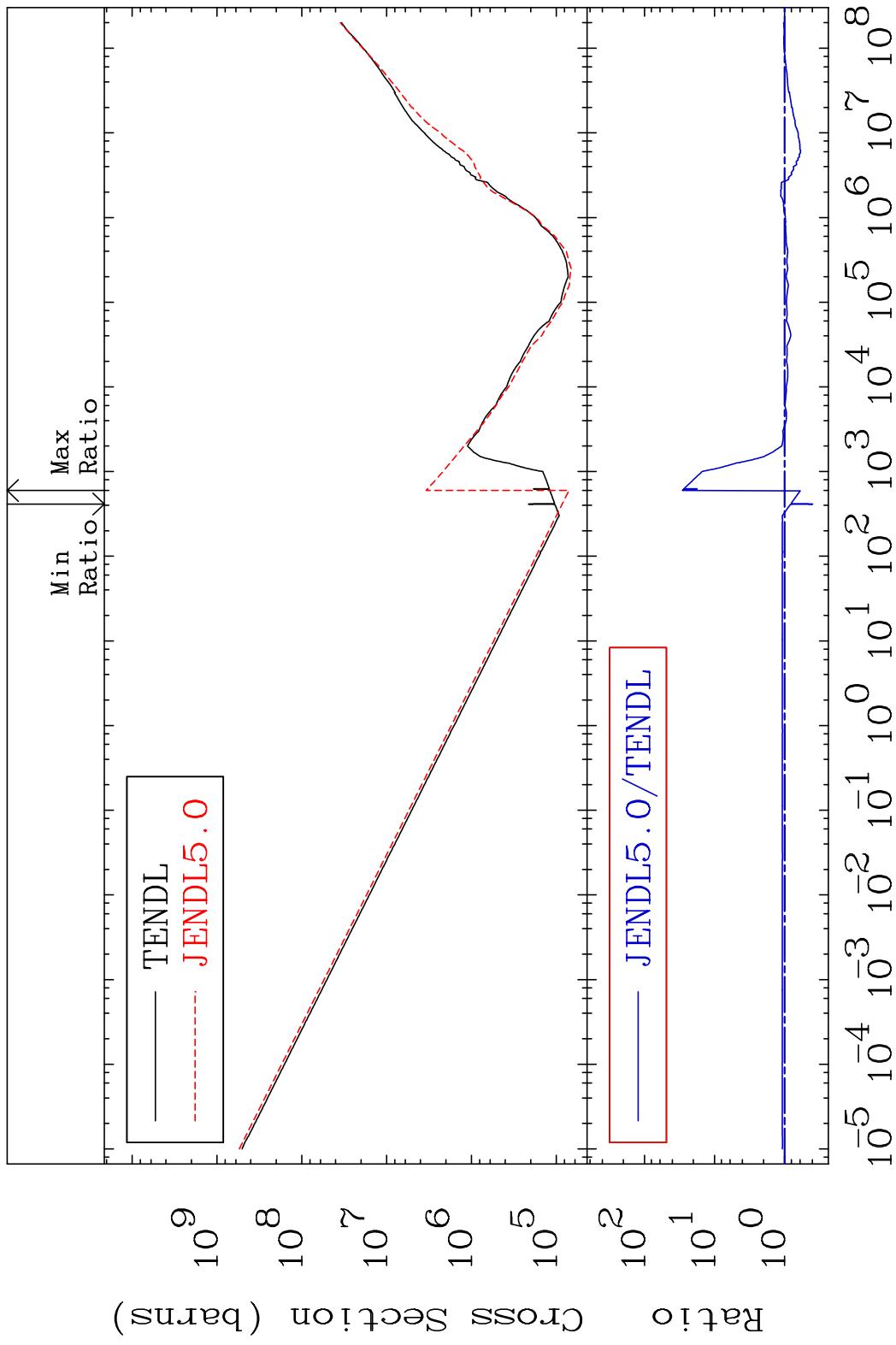


49

Incident Energy (eV)

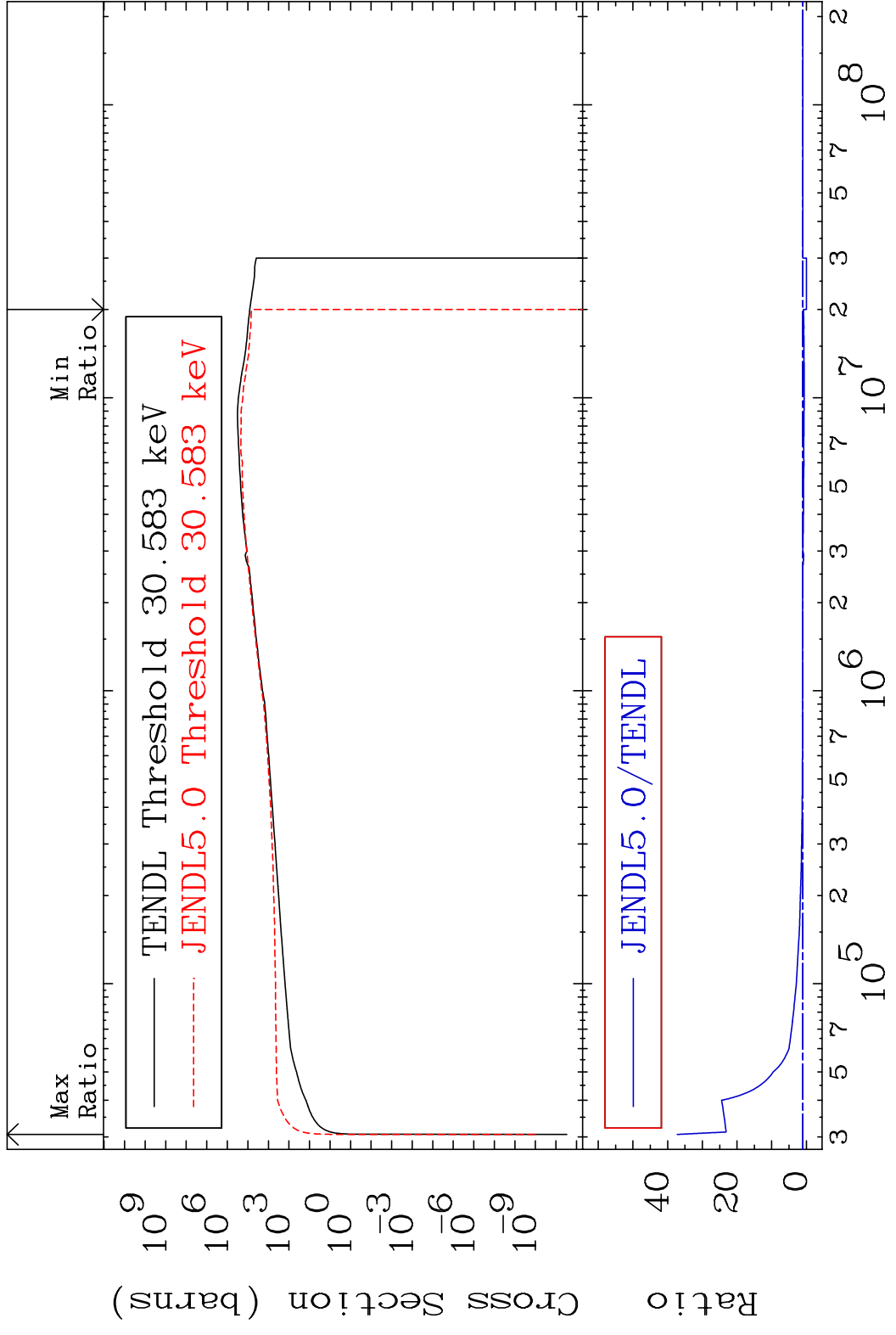
19-K -40

MAT 1928 Kerma non-elastic (all but mt2) 19-K -40
 Cross Section -60.12 To 2780. %

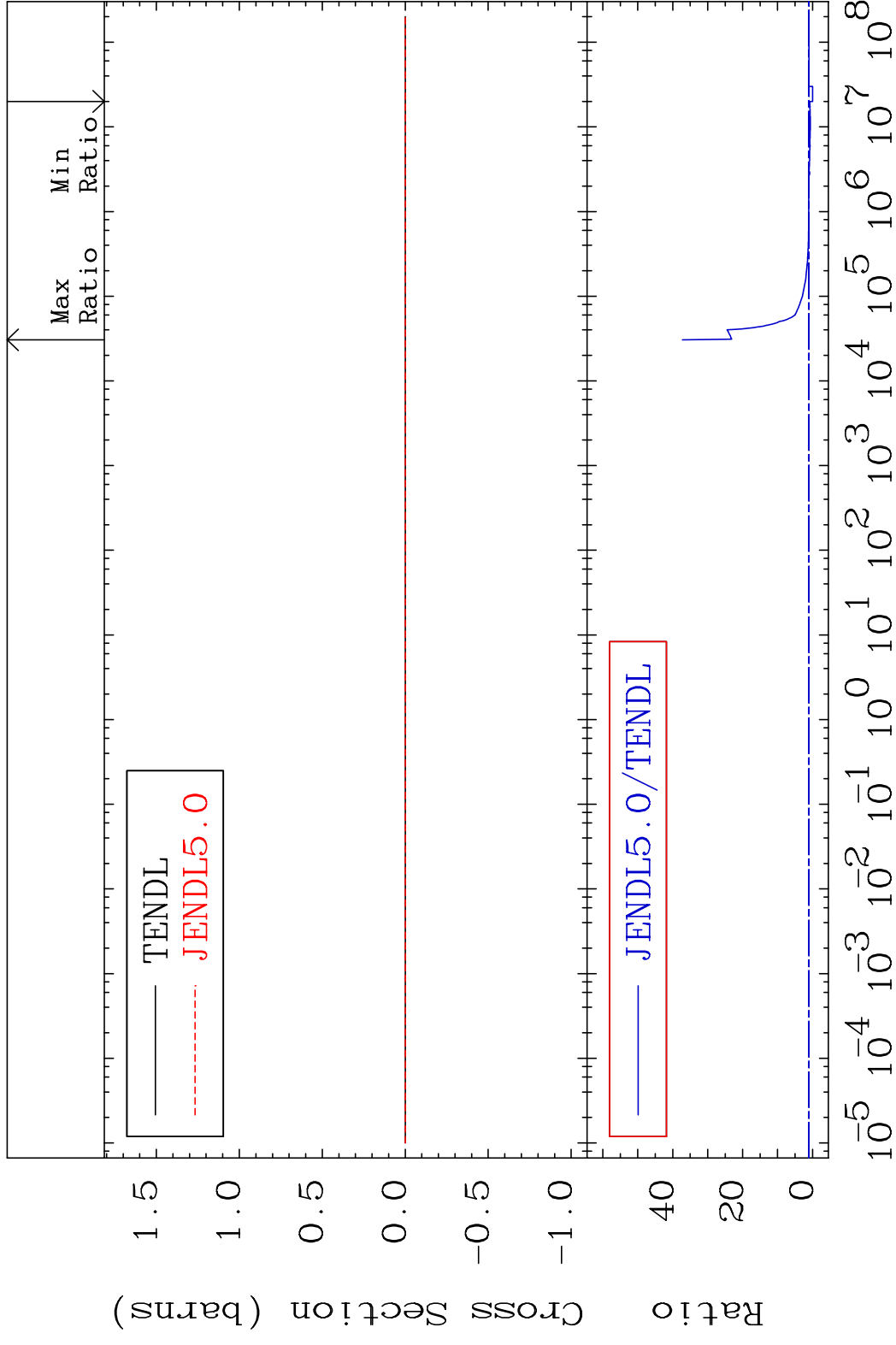


50 Incident Energy (eV) 19-K -40

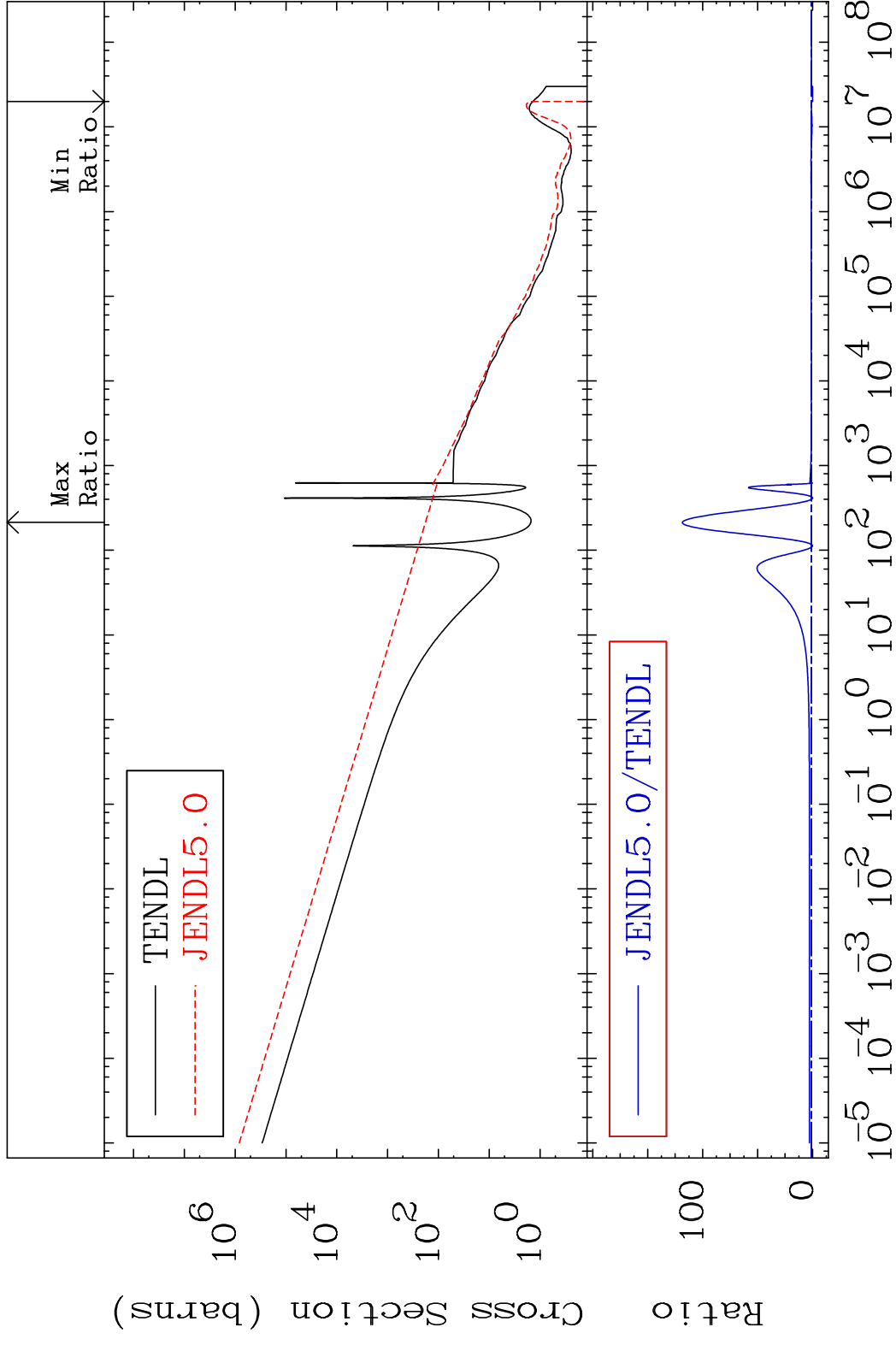
MAT 1928 Kerma inelastic (mt51-91) 19-K -40
 Cross Section -100.0 To 3625. %



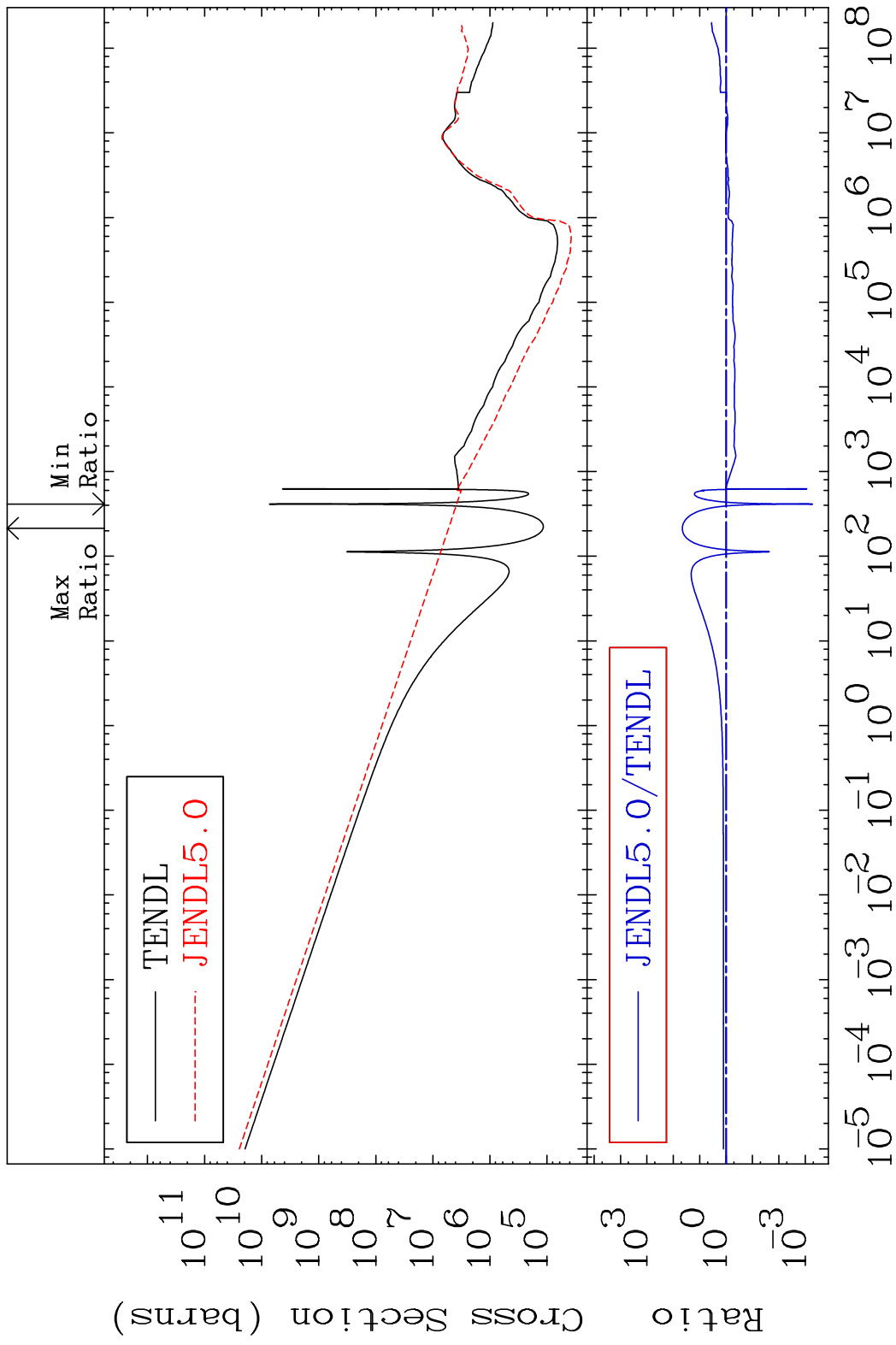
MAT 1928 Kerma fission (mt18 or mt19-20-21-38) 19-K -40
 Cross Section -100.0 To 3625. %



MAT 1928 Kerma capture (mt102) 19-K -40
 Cross Section -100.0 To 9999. %

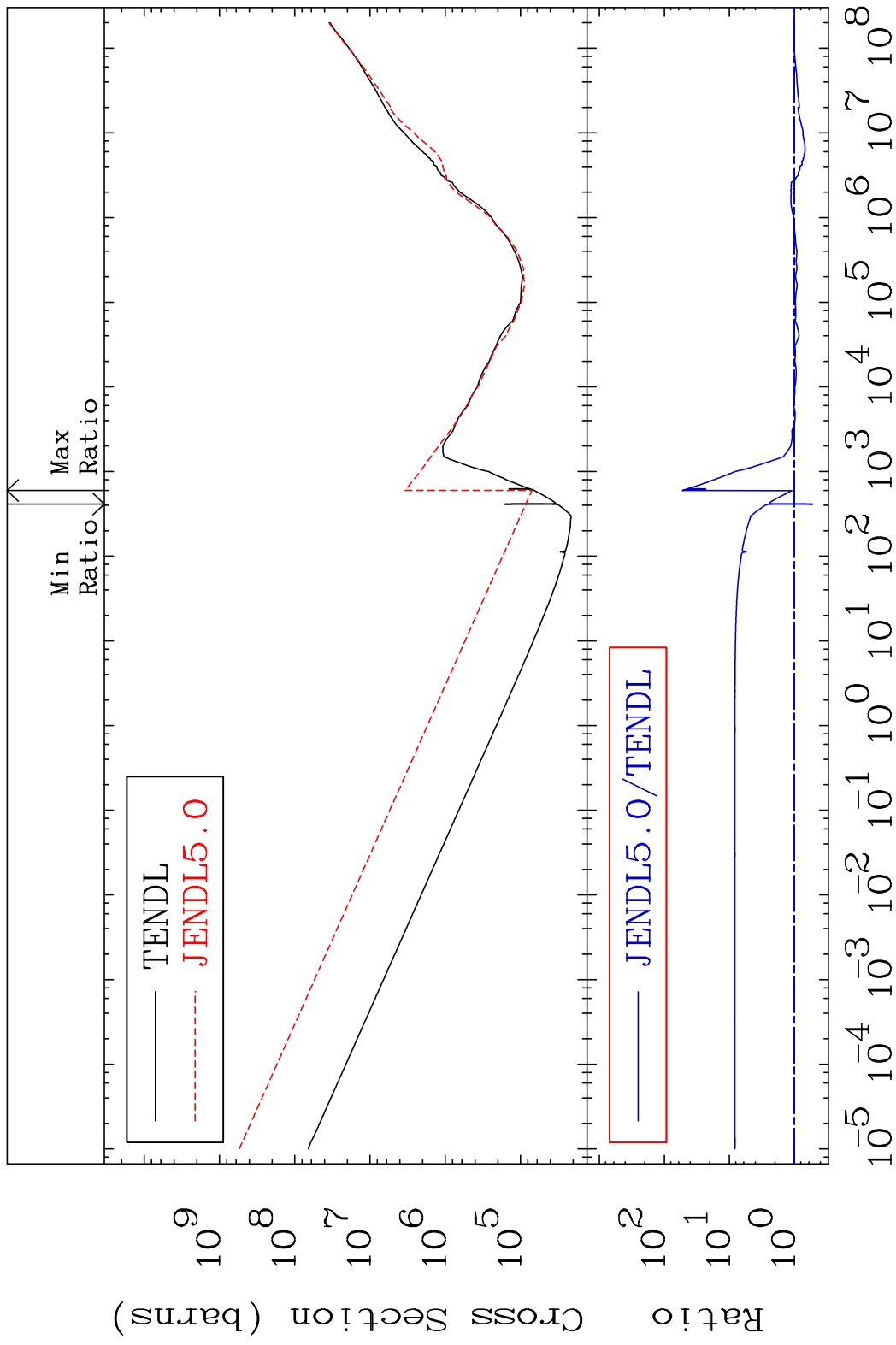


MAT 1928 Total photon (eV-barns) 19-K -40
 Cross Section -99.95 To 4430. %

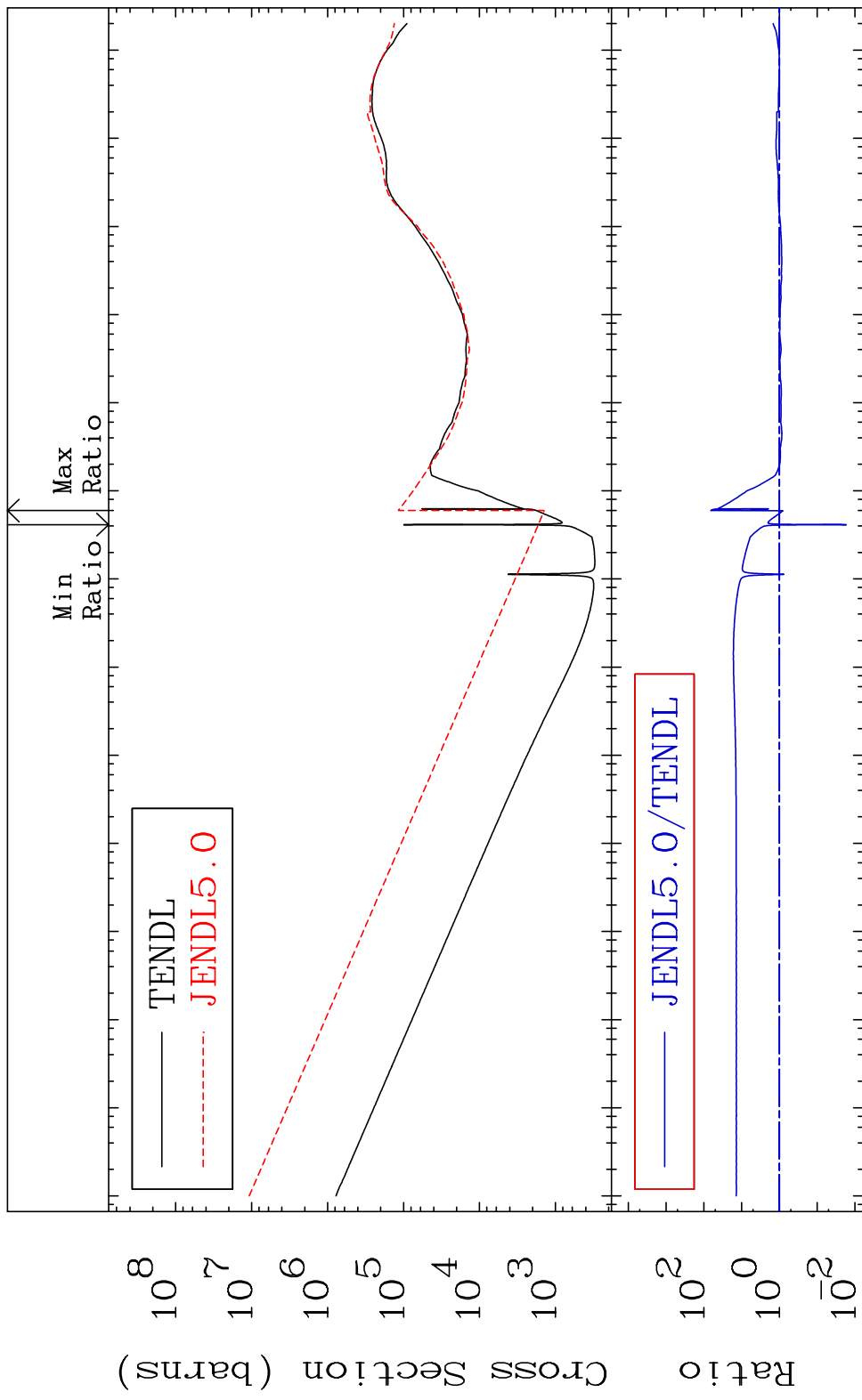


54 Incident Energy (eV) 19-K -40

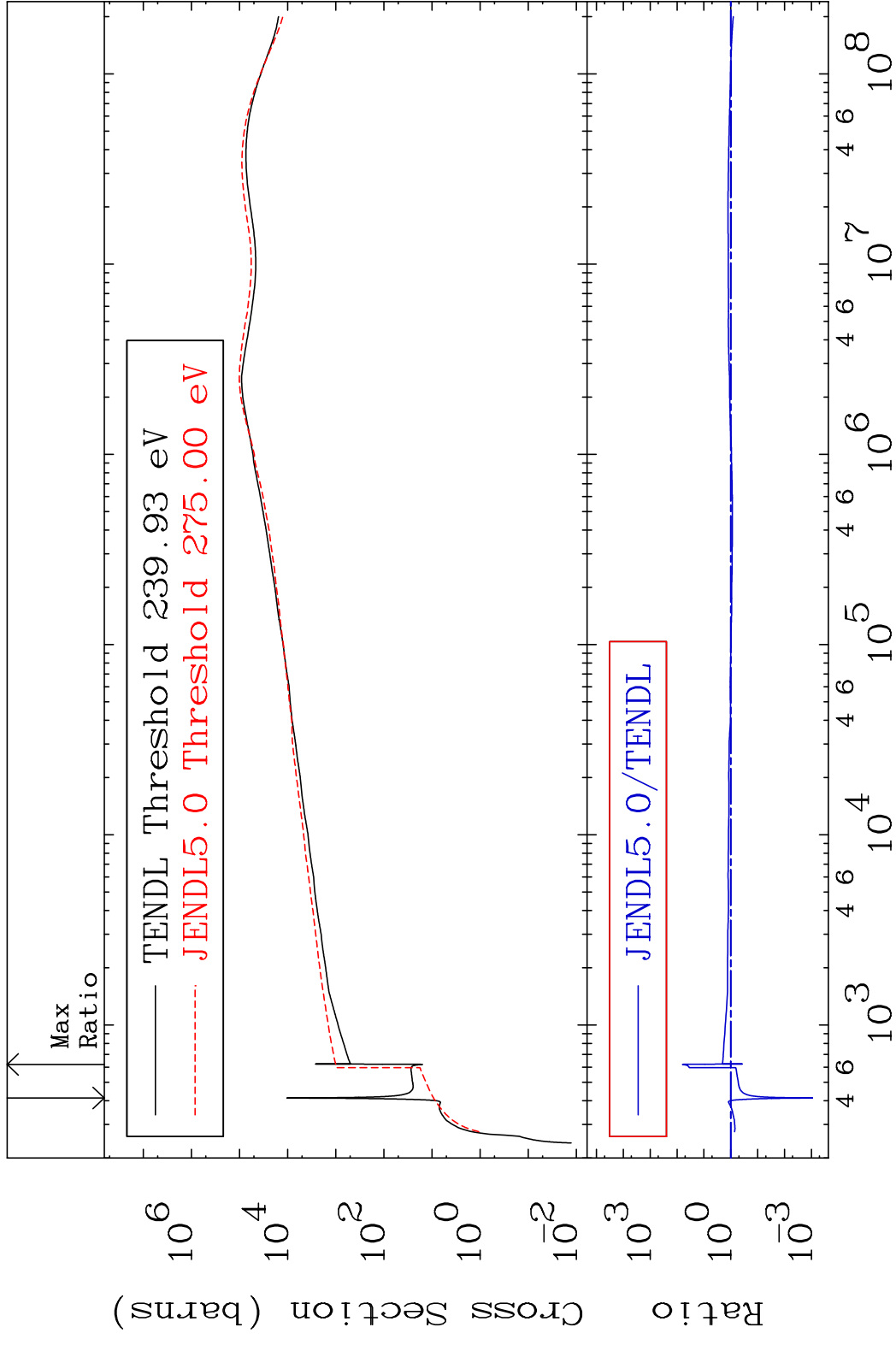
MAT 1928 Total kinematic kerma (high limit) 19-K -40
 Cross Section -47.29 To 5188. %



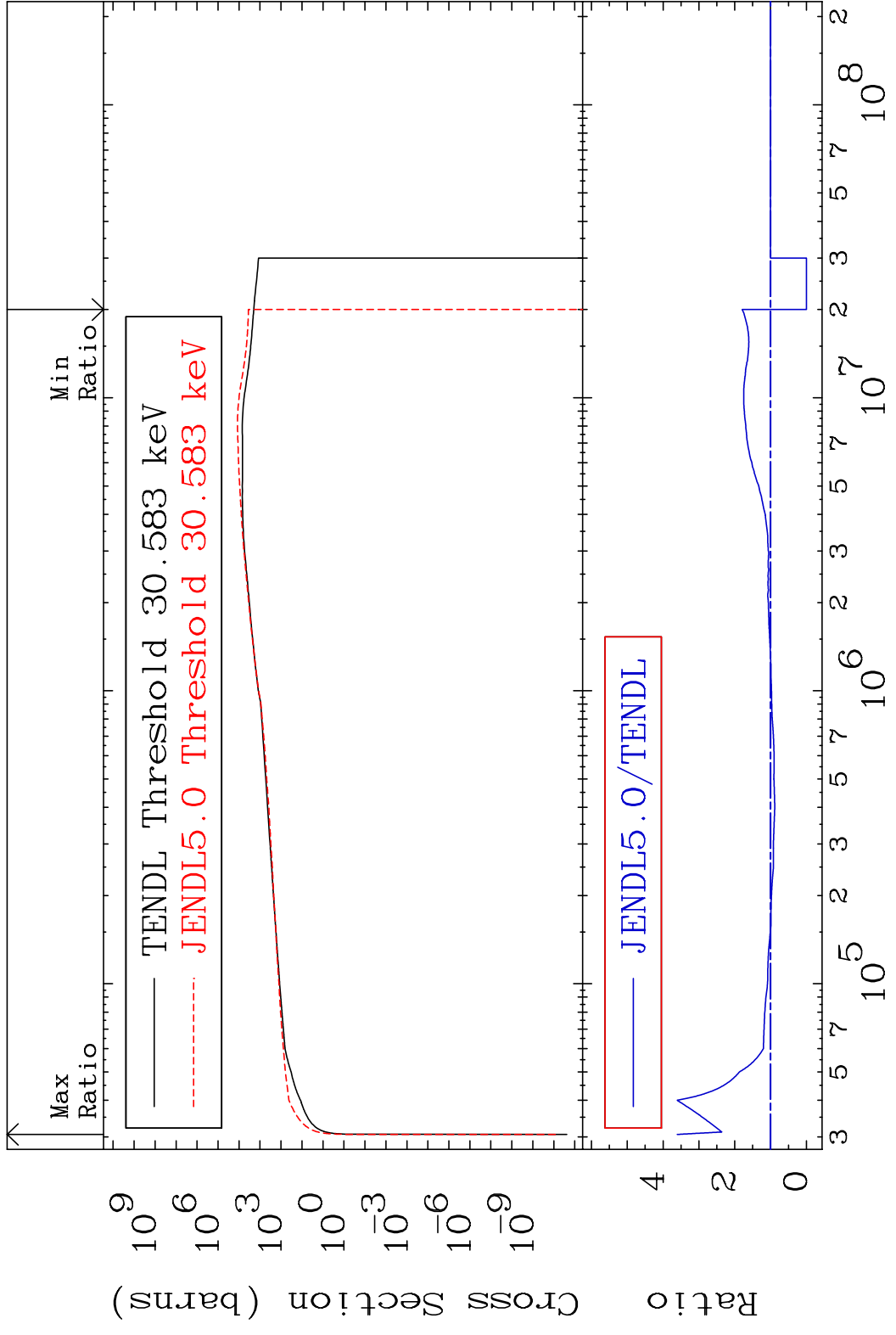
MAT 1928 Dpa total (eV-barns) 19-K -40
 Cross Section -98.31 To 6487. %



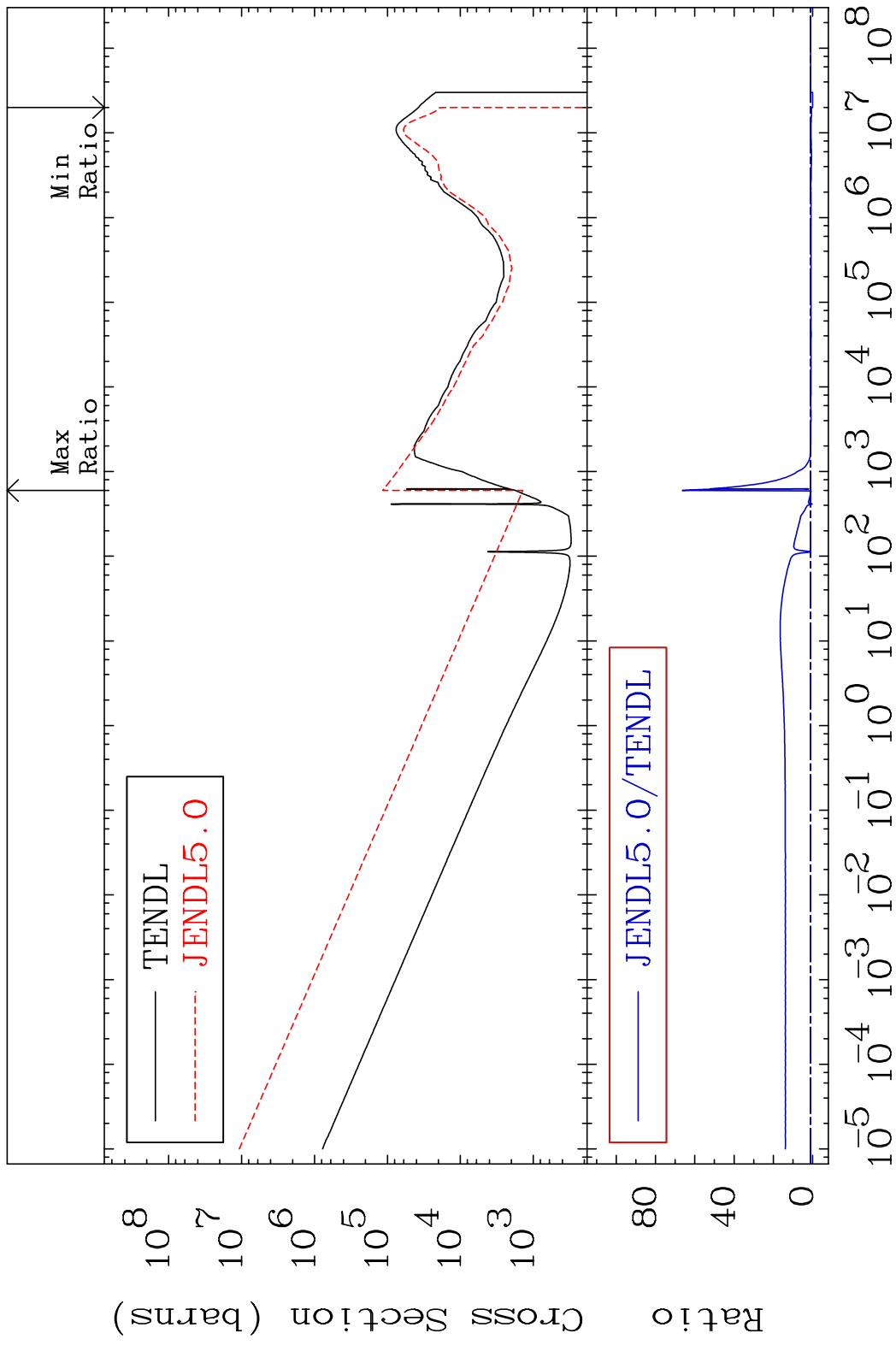
MAT 1928 Dpa elastic (mt2) 19-K -40
 Cross Section -99.91 To 6247. %



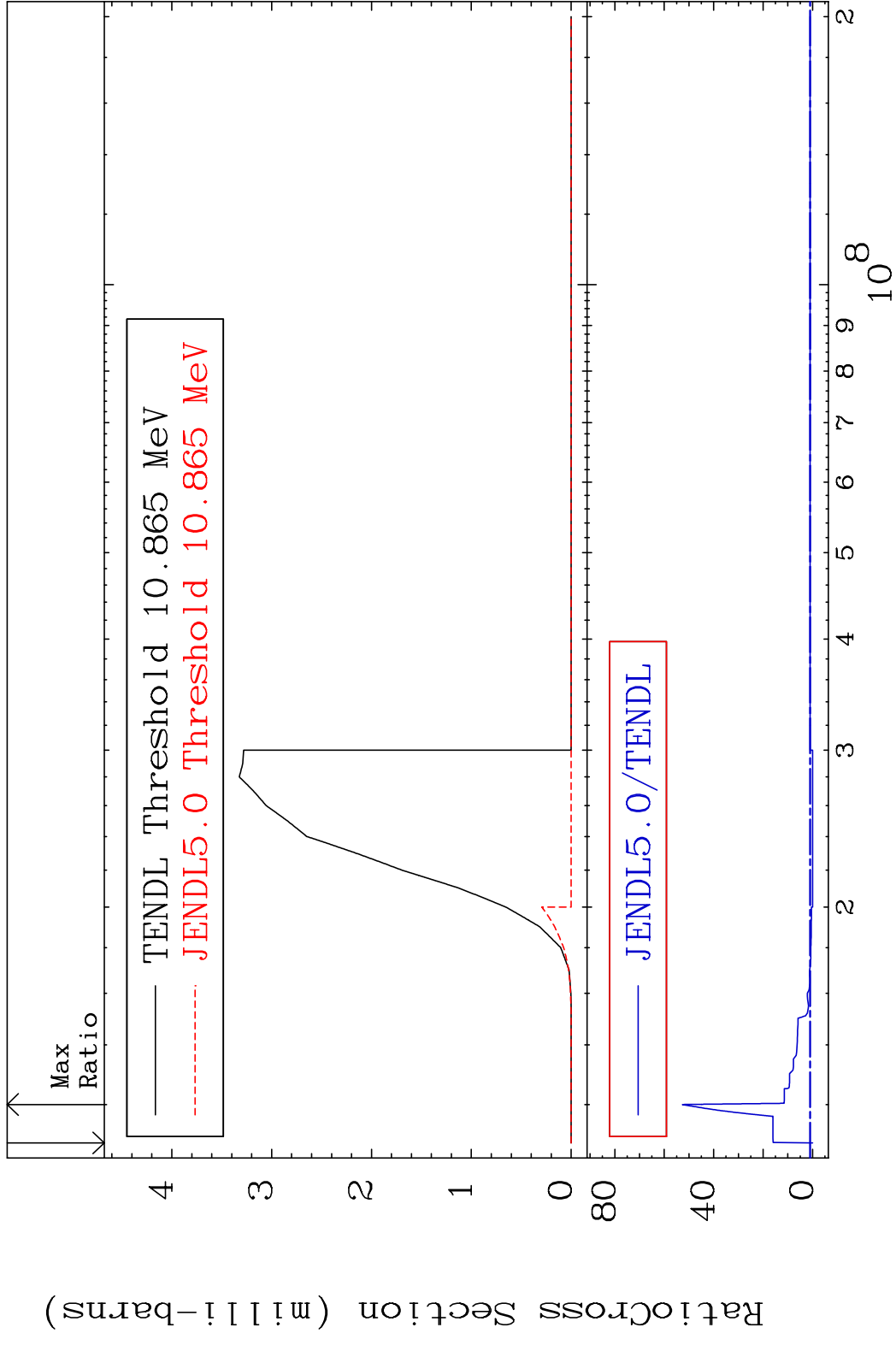
MAT 1928 Dpa inelastic (mt51-91) 19-K -40
 Cross Section -100.0 To 260.7 %



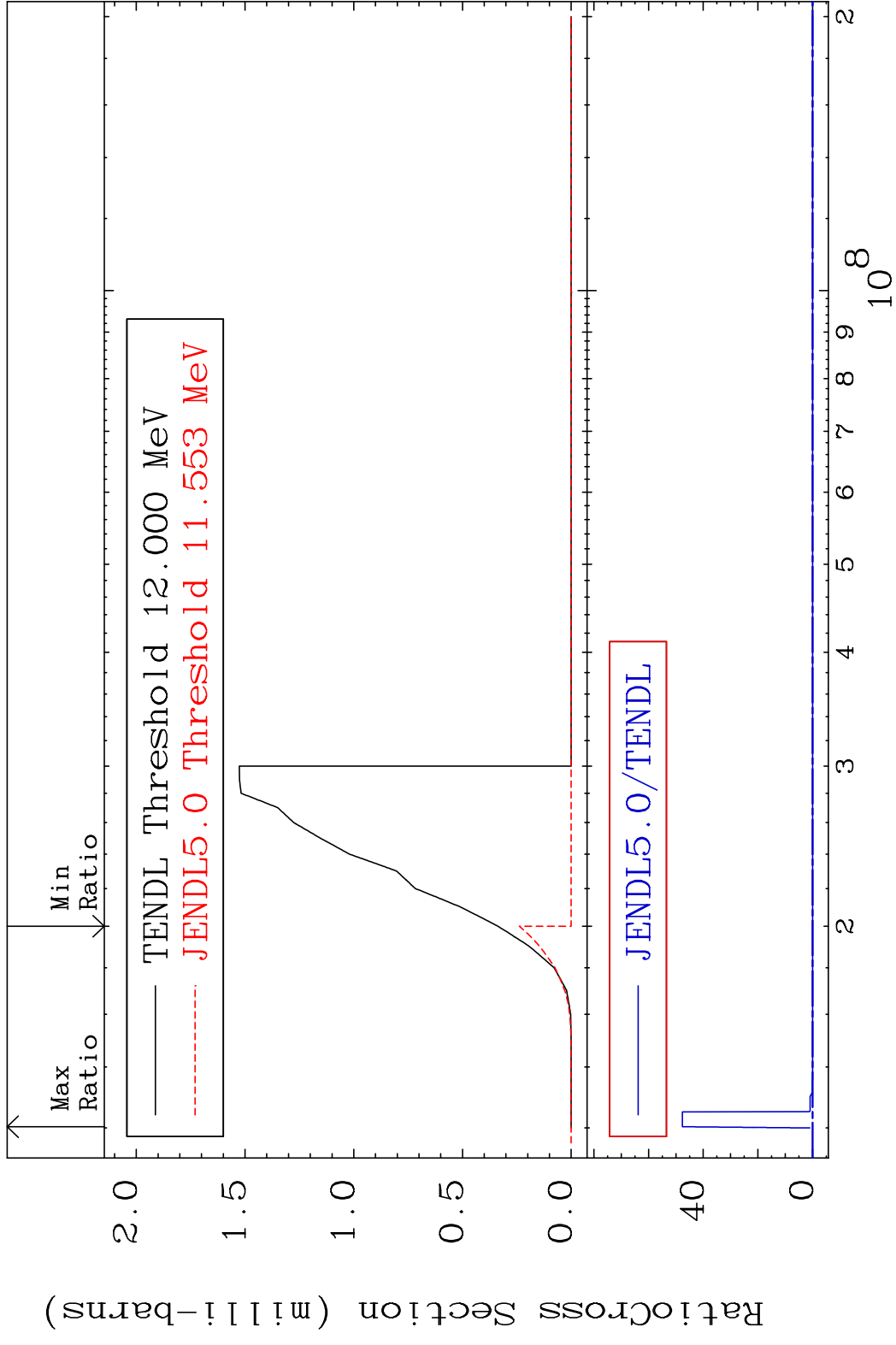
MAT 1928 Dpa disappearance (mt102 -120) 19-K -40
 Cross Section -100.0 To 6534. %



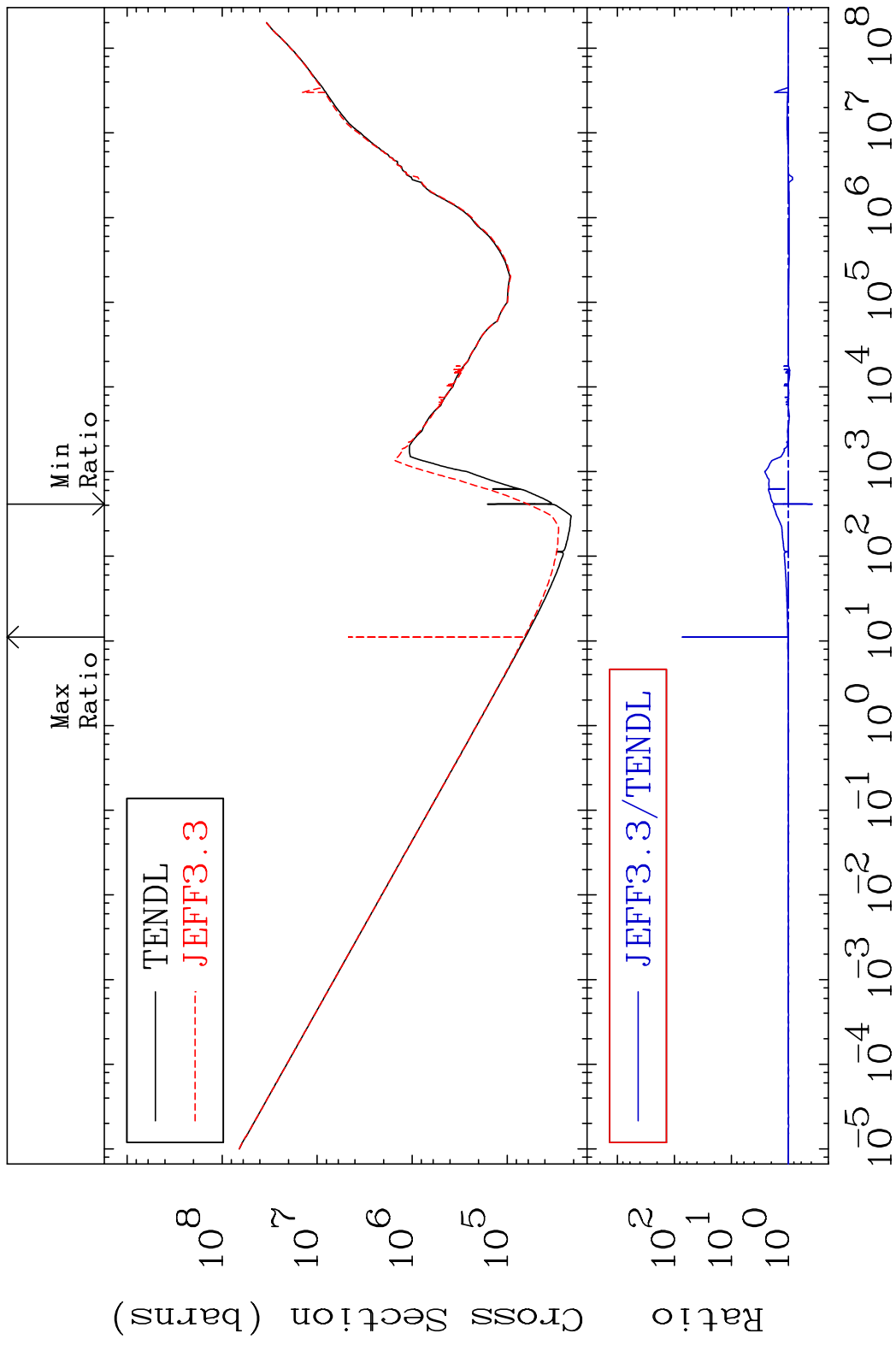
MAT 1928 (n, He-3): 17-Cl-38g 19-K -40
 Radionuclide Production Cross Section 180.0 mb 5167. %



60 Incident Energy (eV) 19-K -40

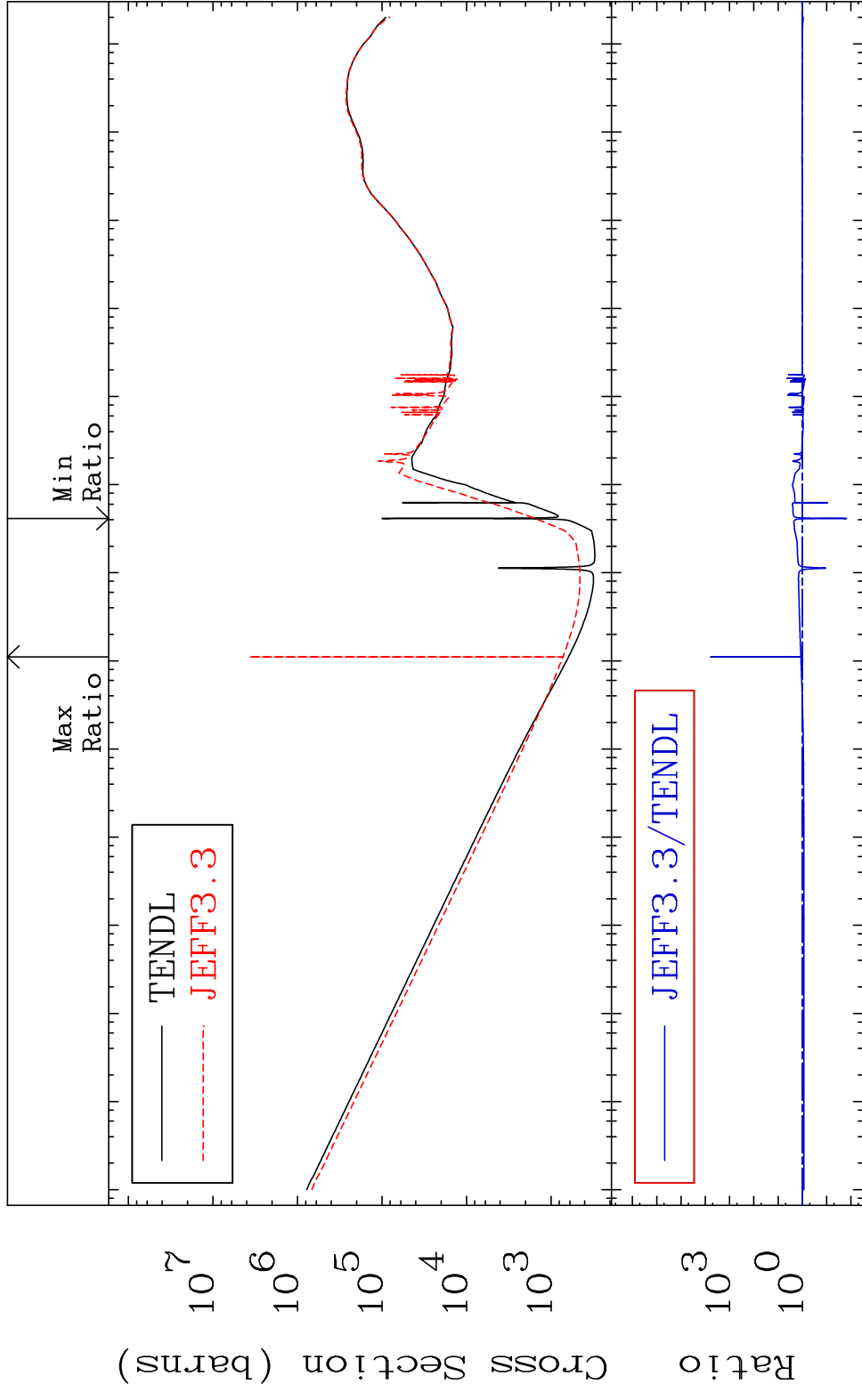


MAT 1928 Total kinematic kerma (high limit) 19-K -40
 Cross Section -62.17 To 7138. %



62 Incident Energy (eV) 19-K -40

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



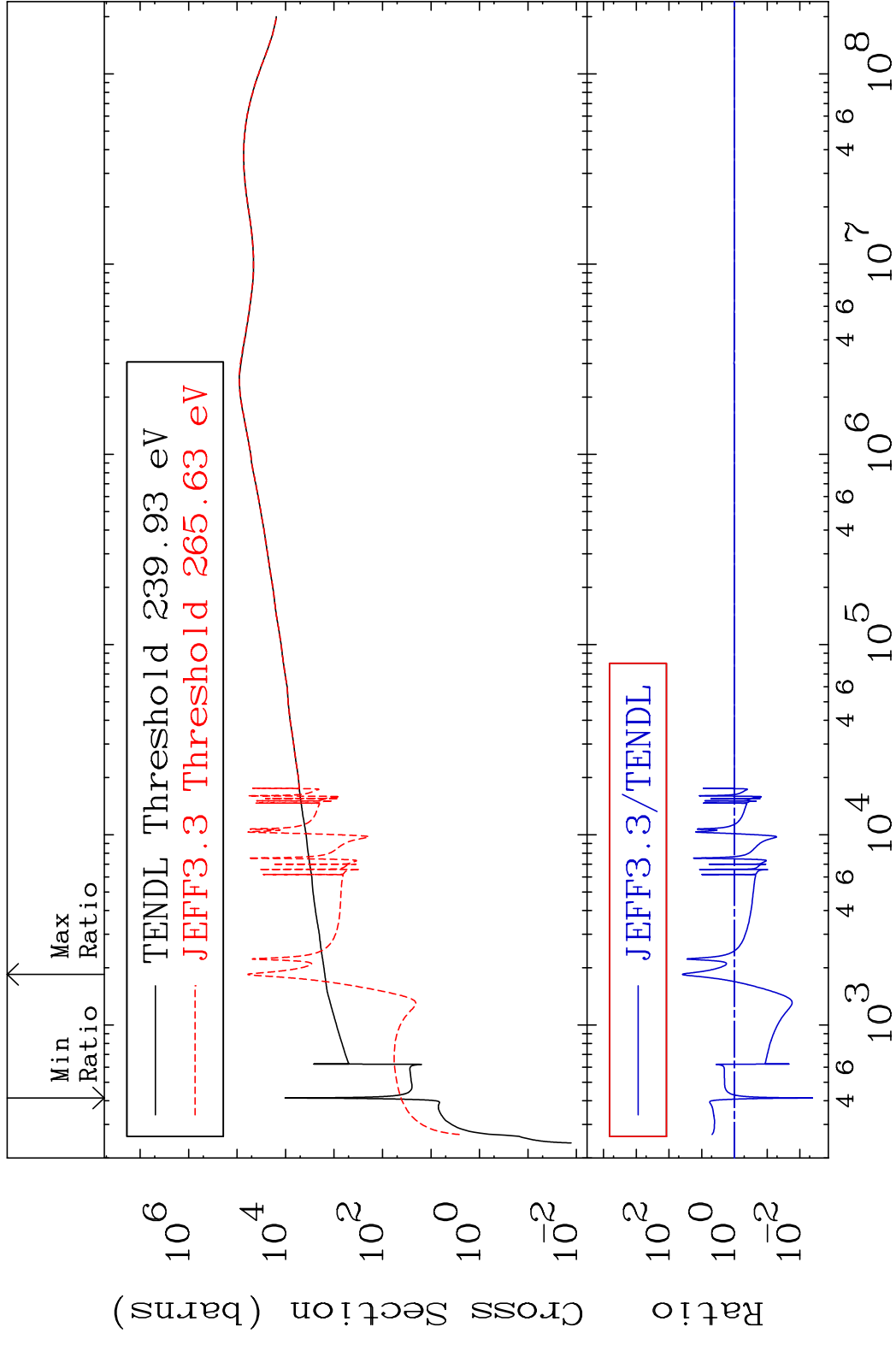
63 Incident Energy (eV) 19-K -40

MAT 1928

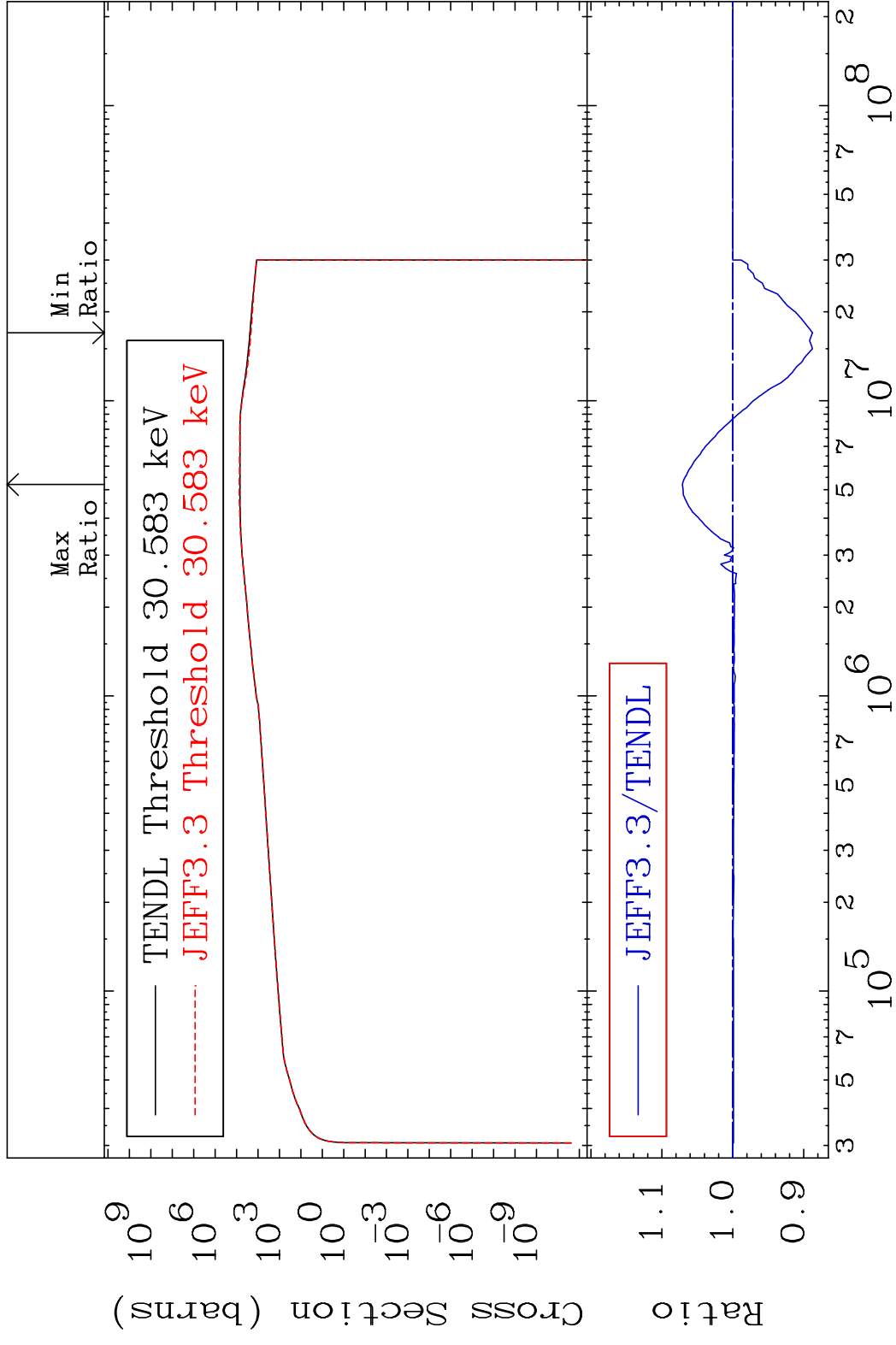
Dpa elastic (mt2)

19-K -40

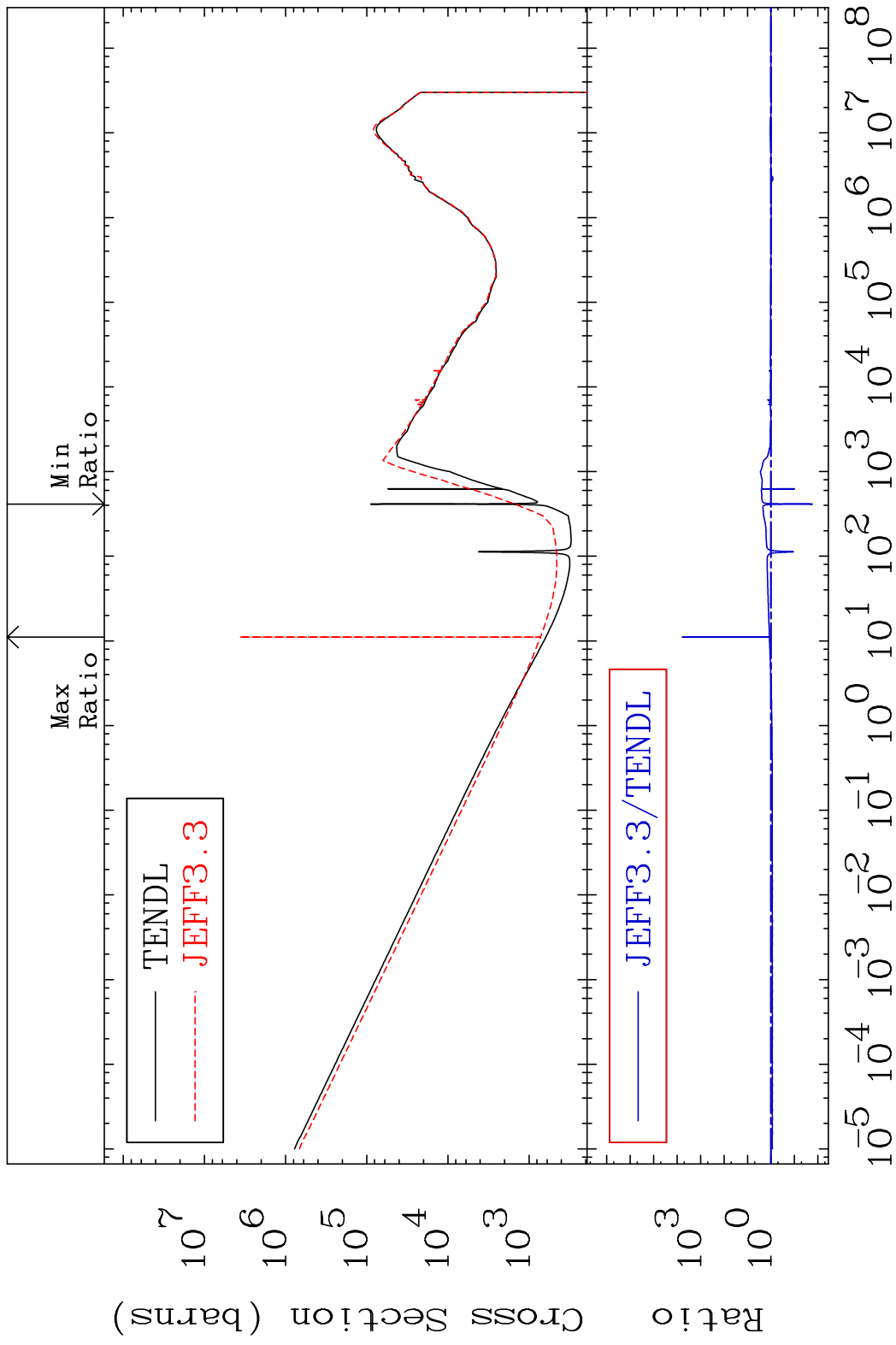
Cross Section -99.59 To 3804. %



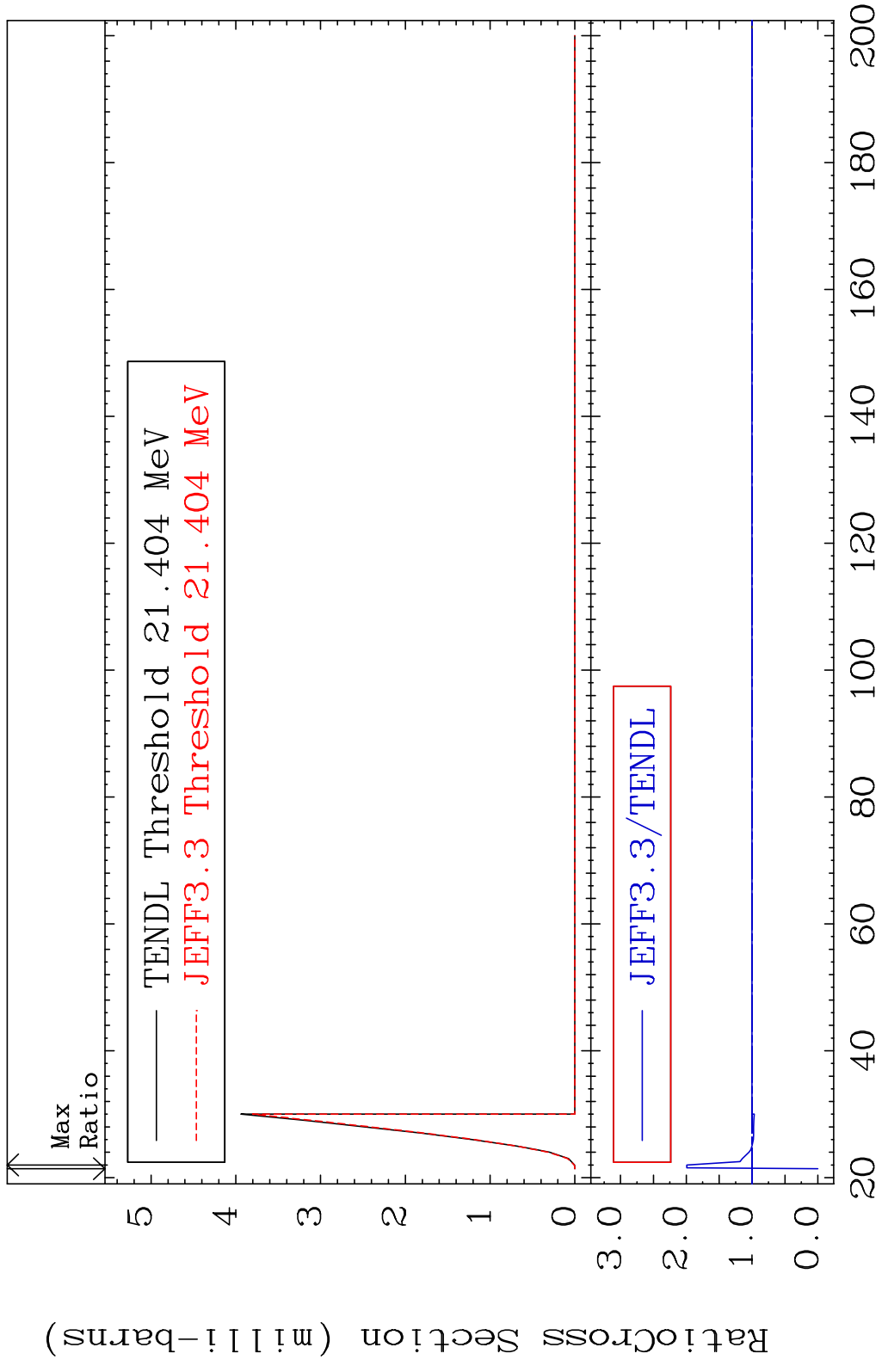
MAT 1928 Dpa inelastic (mt51-91) 19-K -40
 Cross Section -11.24 To 7.114 %



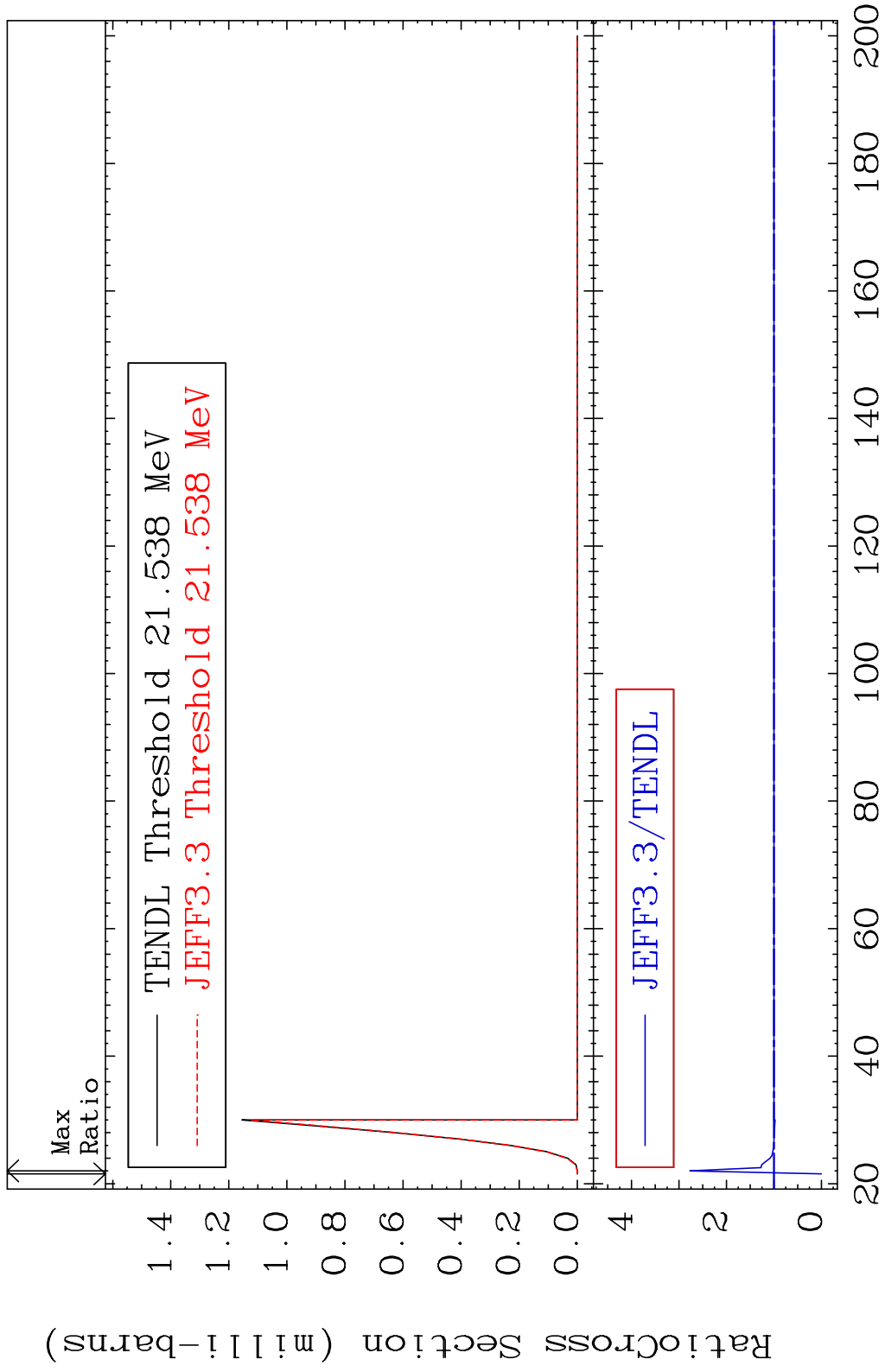
MAT 1928 Dpa disappearance (mt102 -120) 19-K -40
 Cross Section -98.31 To 9999. %



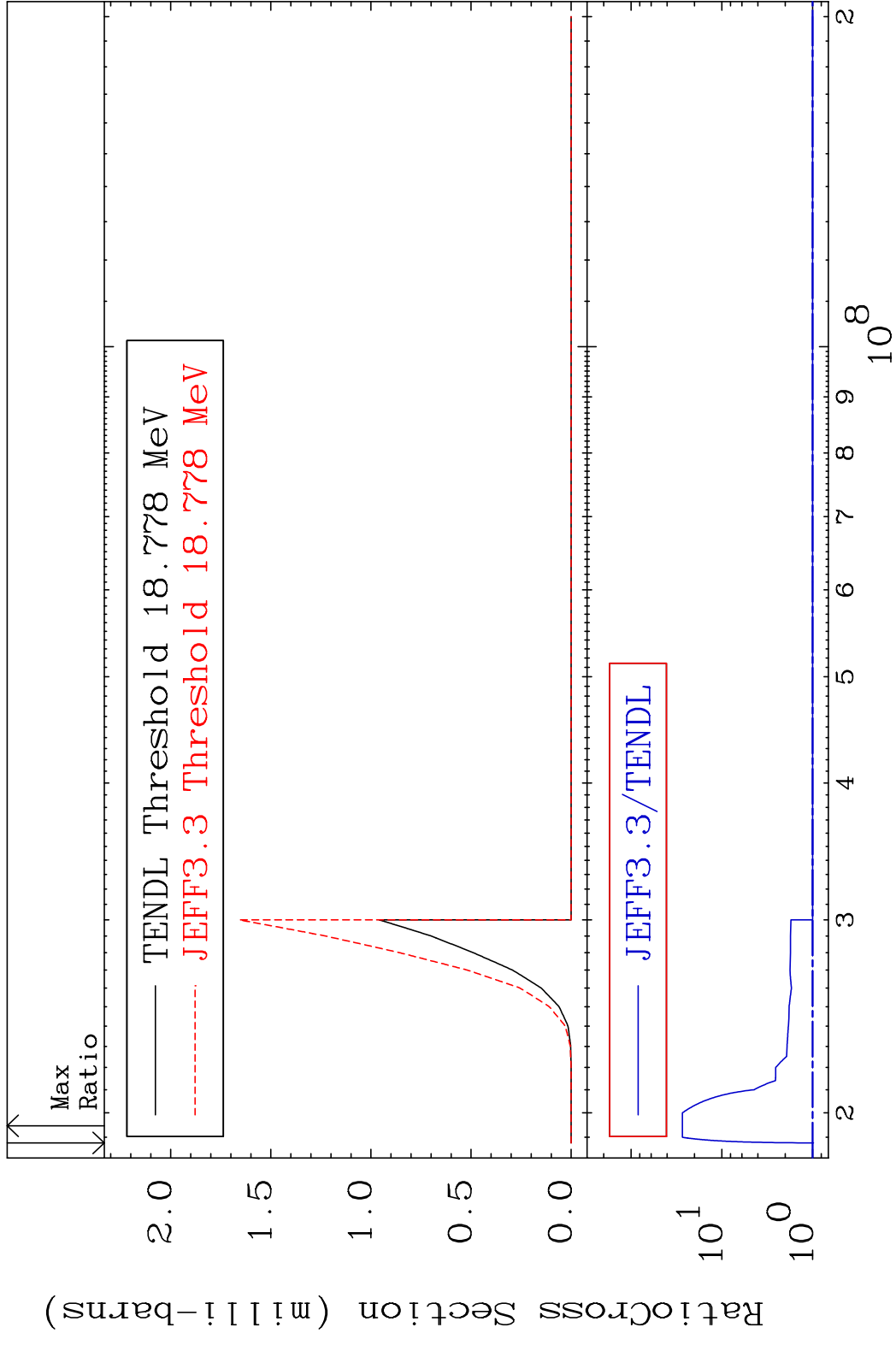
MAT 1928 (n,3n):19-K -38g 19-K -40
 Radionuclide Production Cross Section 180.01 dth 99.28 %



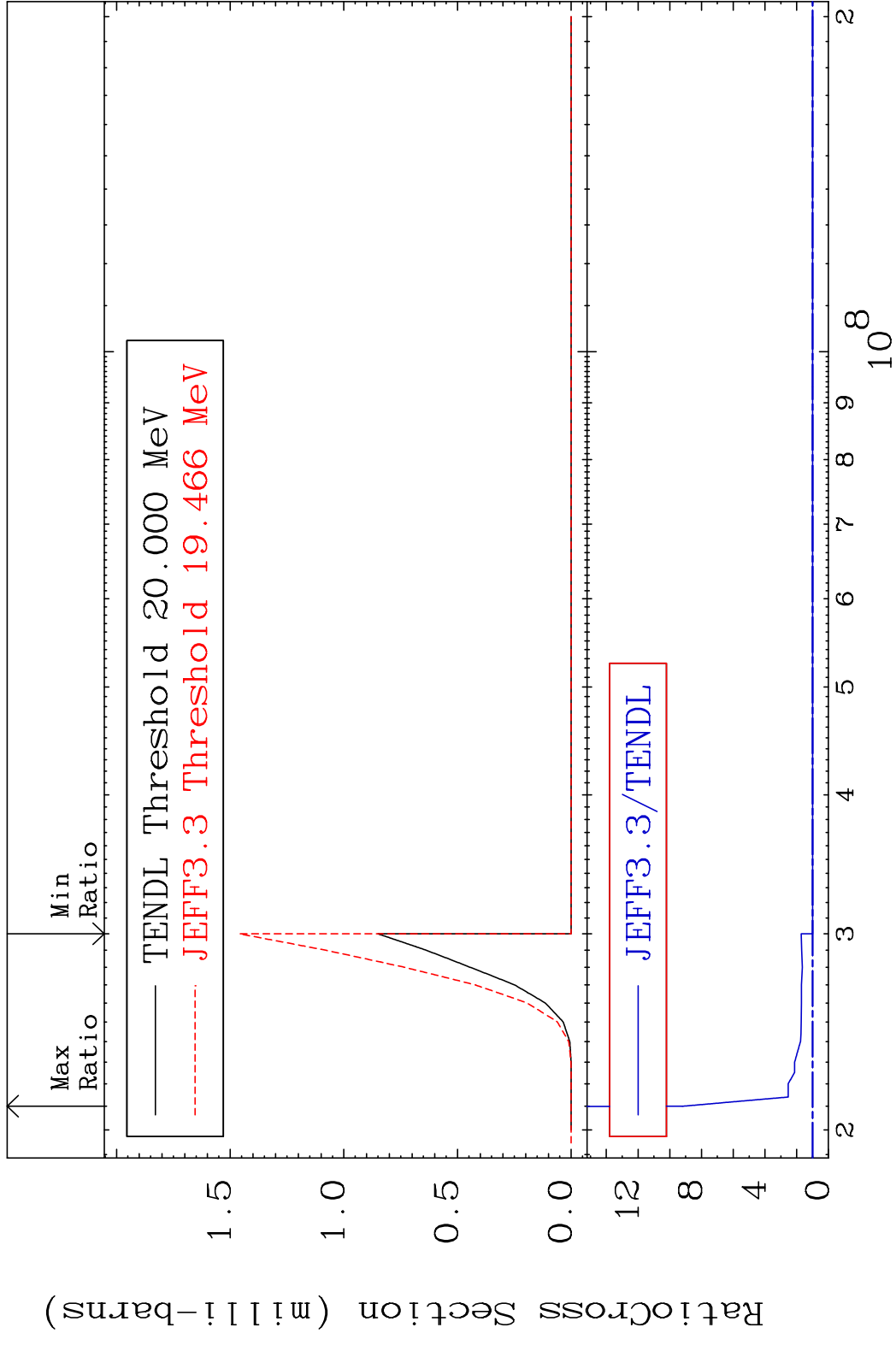
MAT 1928 (n,3n):19-K -38m1 19-K -40
 Radionuclide Production Cross Section Ratio 177.3 %



MAT 1928 (n,2n) p:17-Cl-38g 19-K -40
 Radionuclide Production Cross Section 2621. %

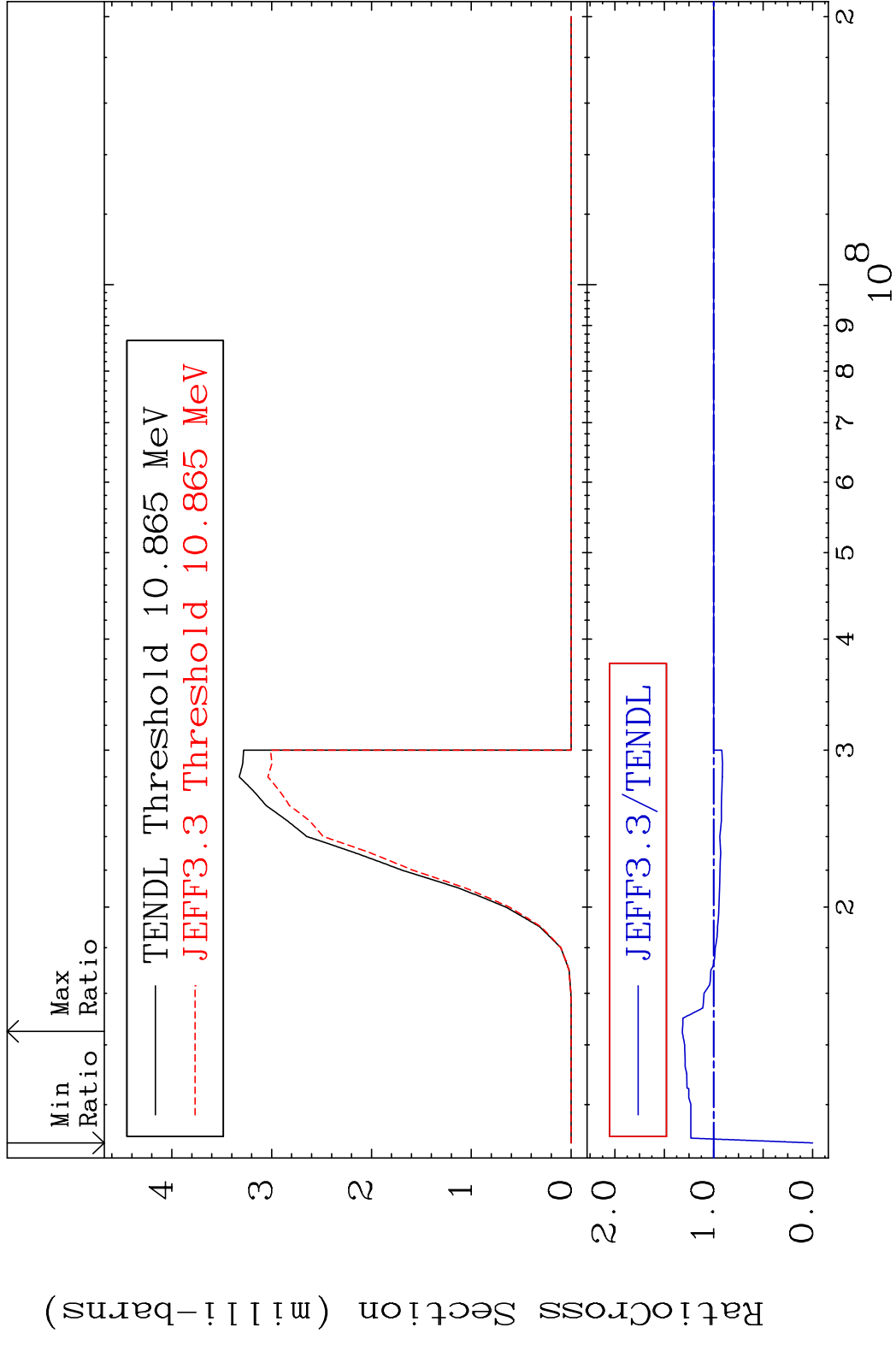


MAT 1928 (n,2n) p:17-Cl-38m1 19-K -40
 Radionuclide Production Cross Section 820.7 %

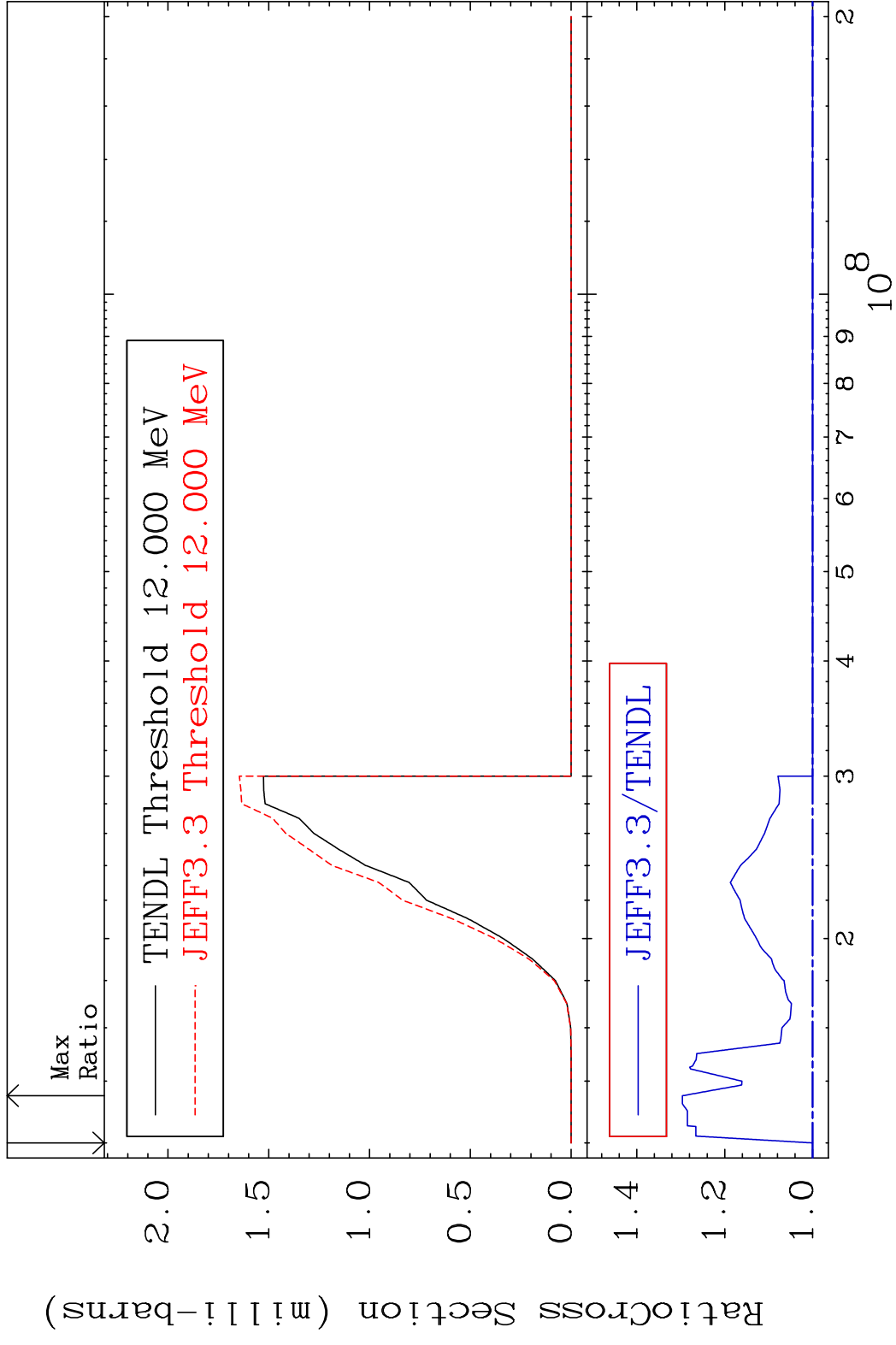


70 Incident Energy (eV) 19-K -40

MAT 1928 (n, He-3): 17-Cl-38g 19-K -40
 Radionuclide Production Cross Section 180.01 dth 31.71 %



MAT 1928 (n, He-3): 17-Cl-38m1 19-K -40
 Radionuclide Production Cross Section 29.64 %



MAT 1928 (n,p) d:17-Cl-38g 19-K -40
 Radionuclide Production Cross Section 180.0 d to 125.5 %

