

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

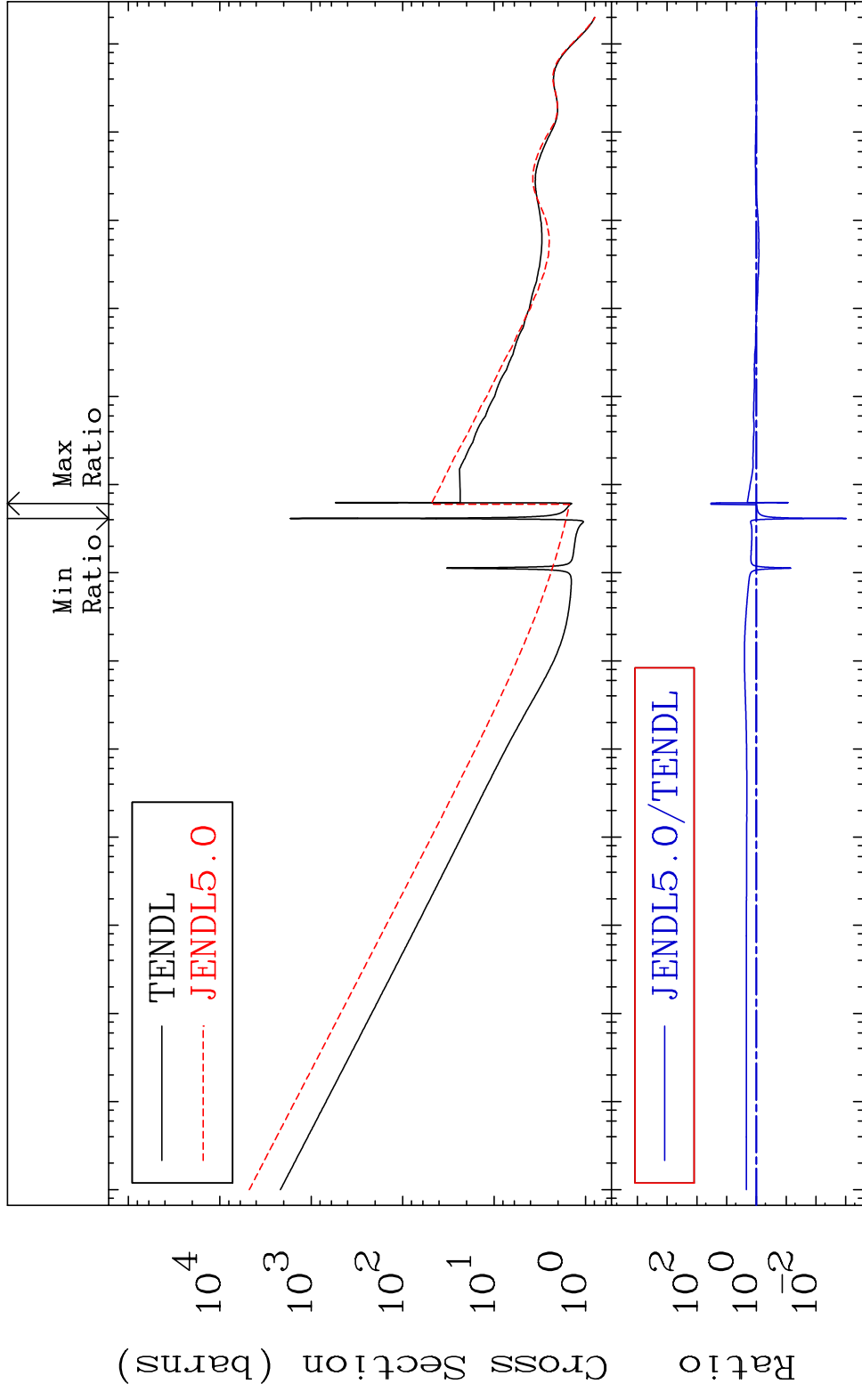
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 1928

Total Cross Section -99.90 To 3338. %  
19-K -40



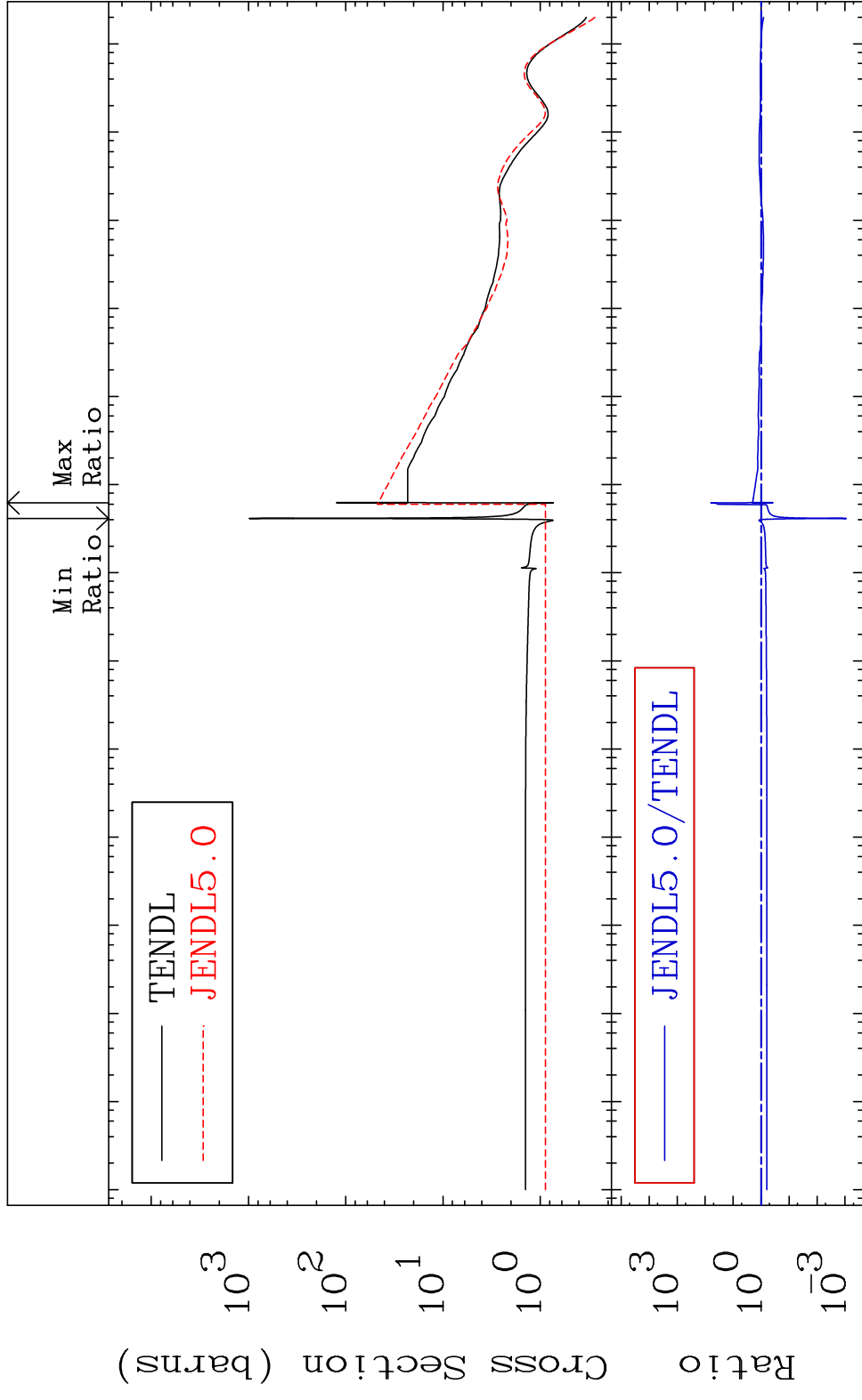
1 Incident Energy (eV) 19-K -40

MAT 1928

Elastic

19-K -40

Cross Section -99.91 To 6215. %

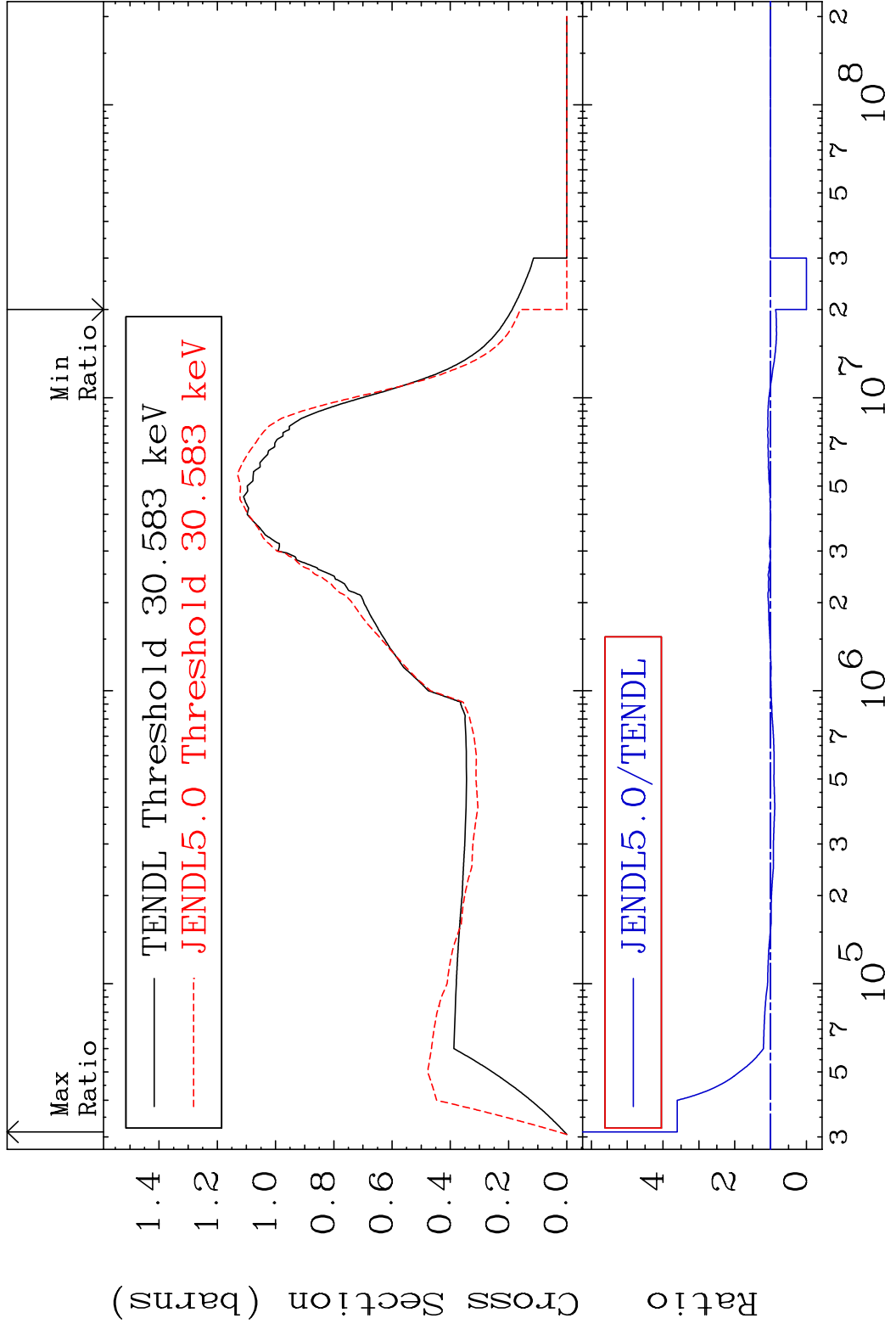


2

Incident Energy (eV)

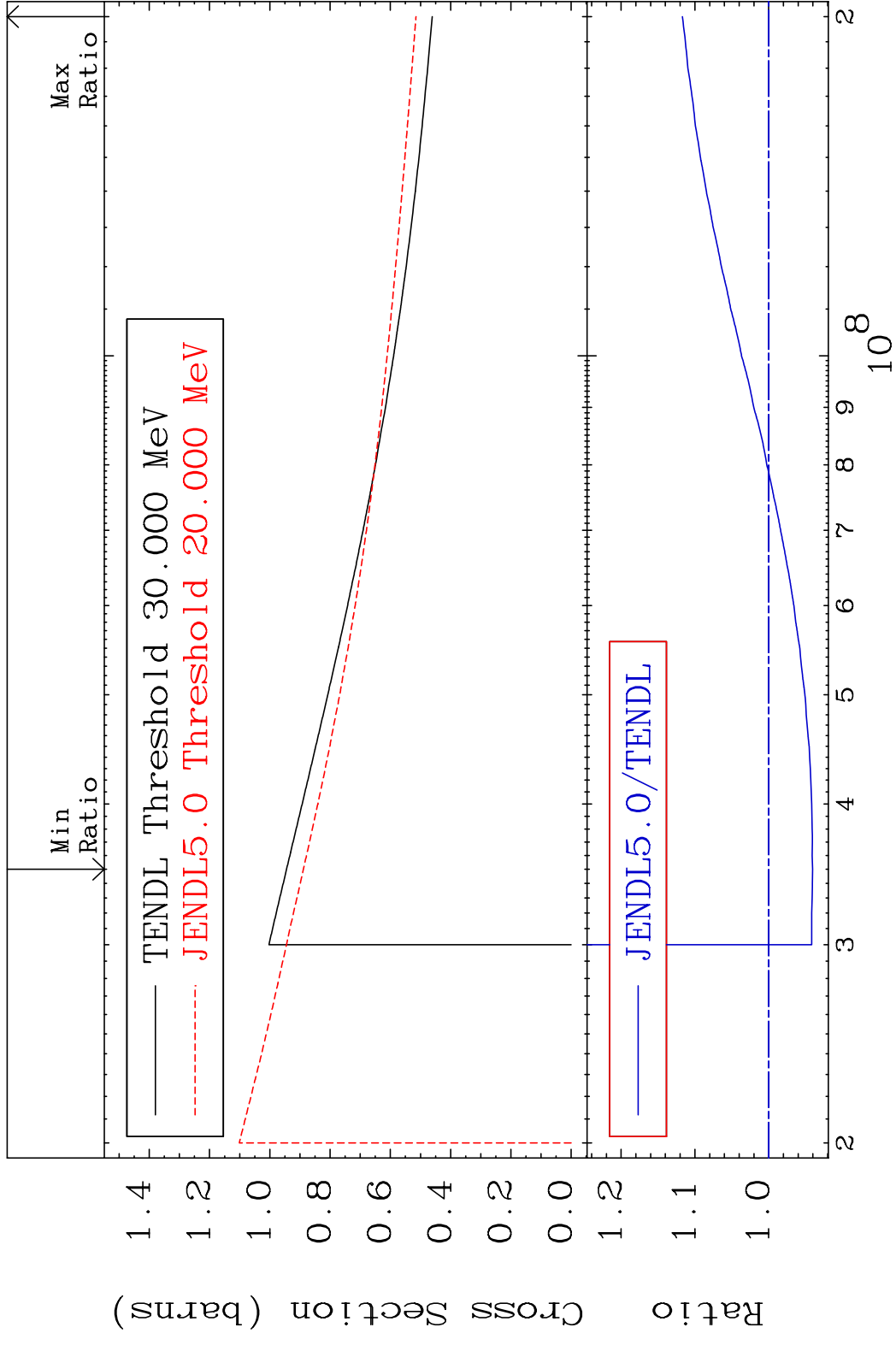
19-K -40

MAT 1928 Inelastic Cross Section 19-K -40  
 -100.0 To 260.6 %



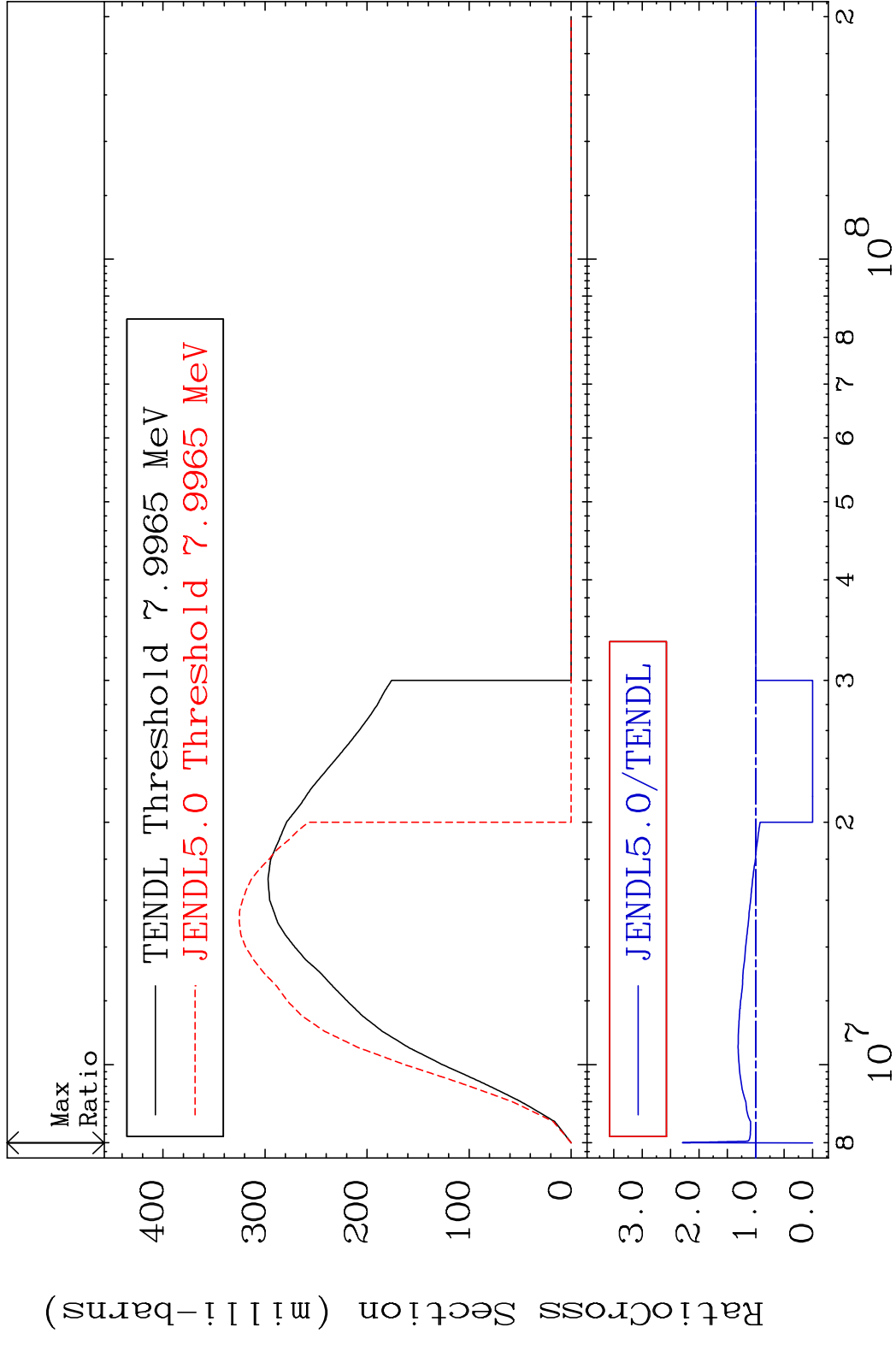
3 3 19-K -40

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



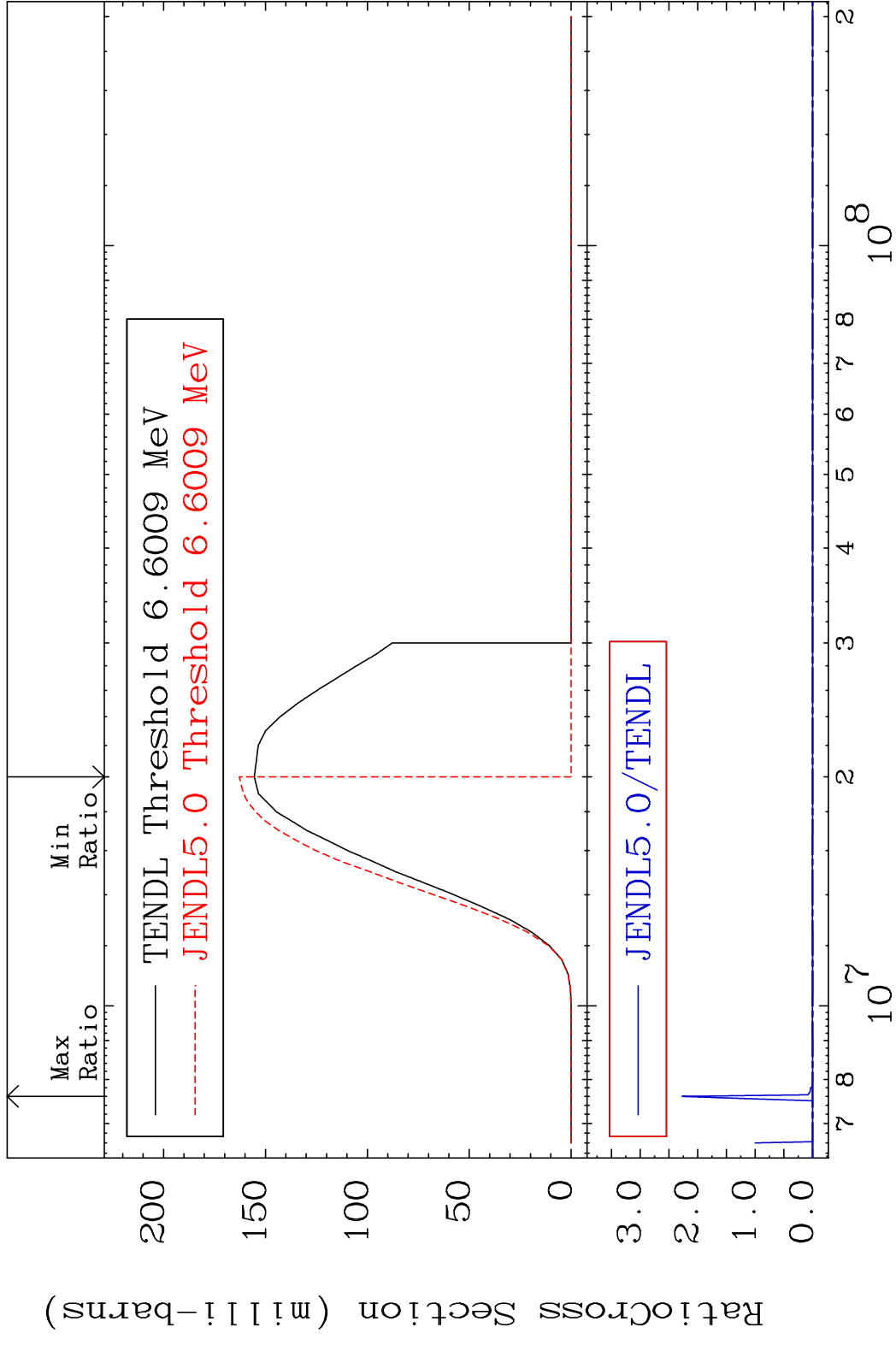
4 Incident Energy (eV) 19-K -40

MAT 1928 (n,2n) 19-K -40  
 Cross Section -100.0 To 129.3 %



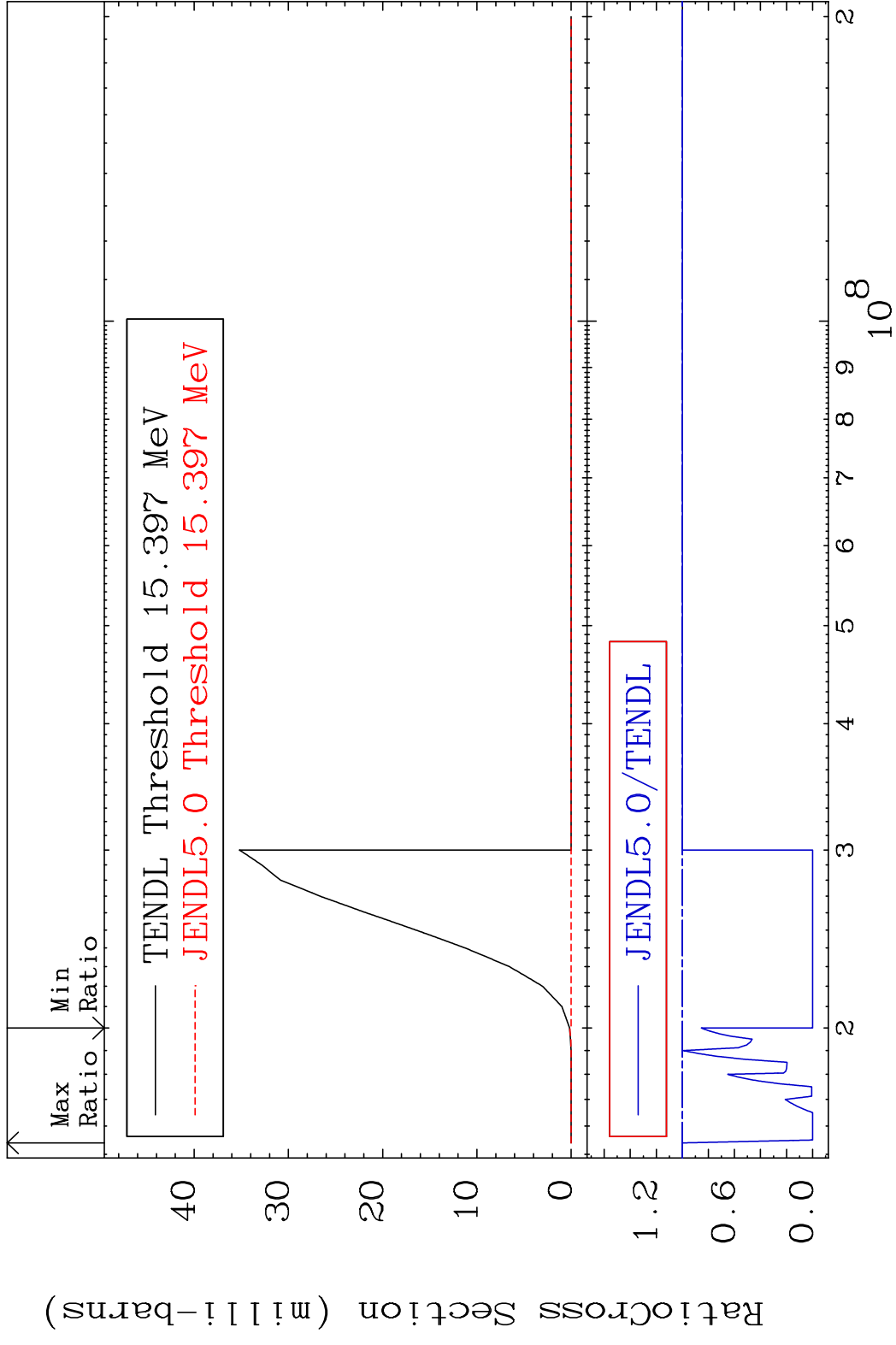
5 Incident Energy (eV) 19-K -40

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

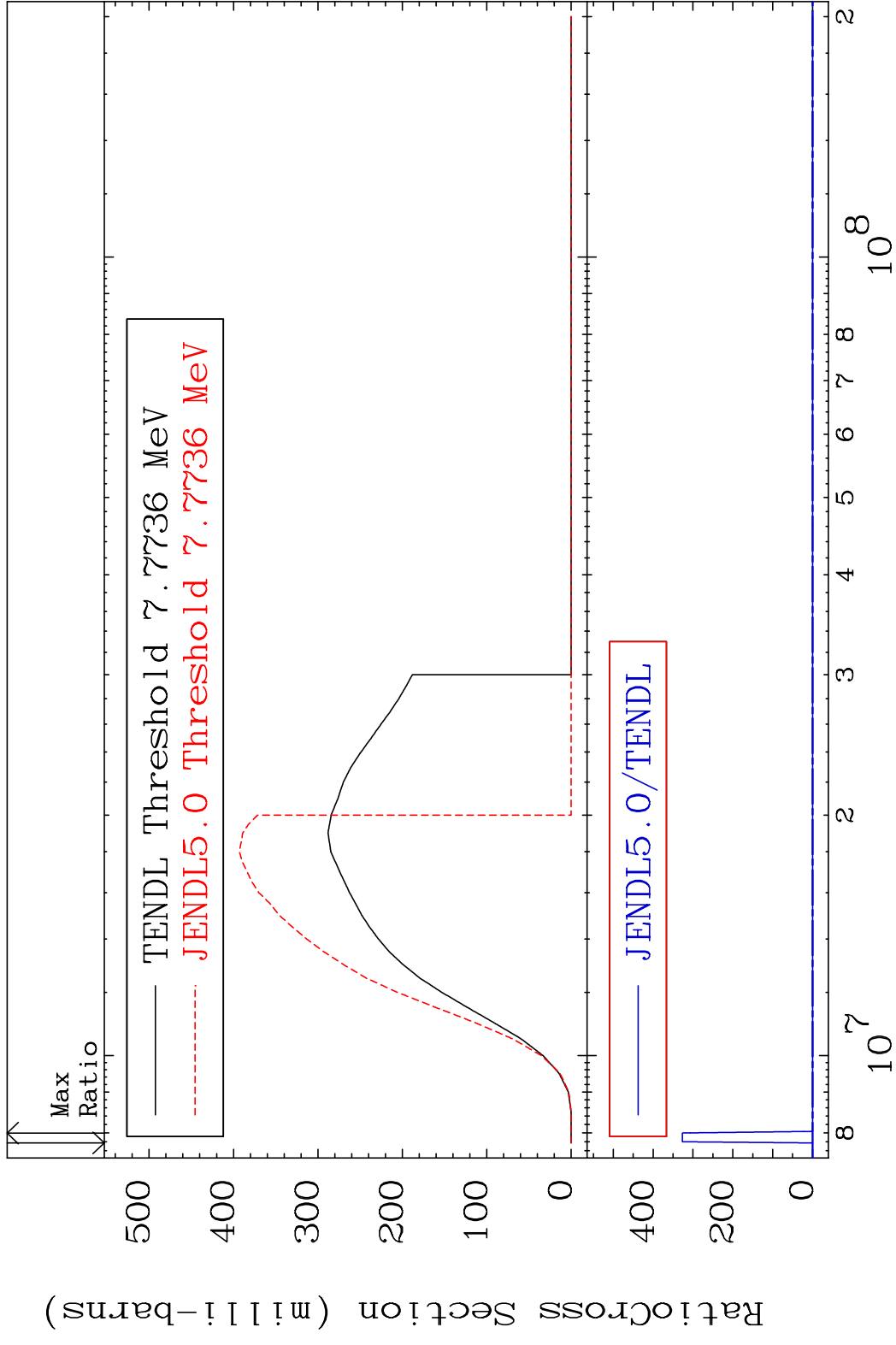


6 19-K -40

MAT 1928 (n,2n)  $\alpha$  19-K -40  
 Cross Section -100.0 To 0.000 %

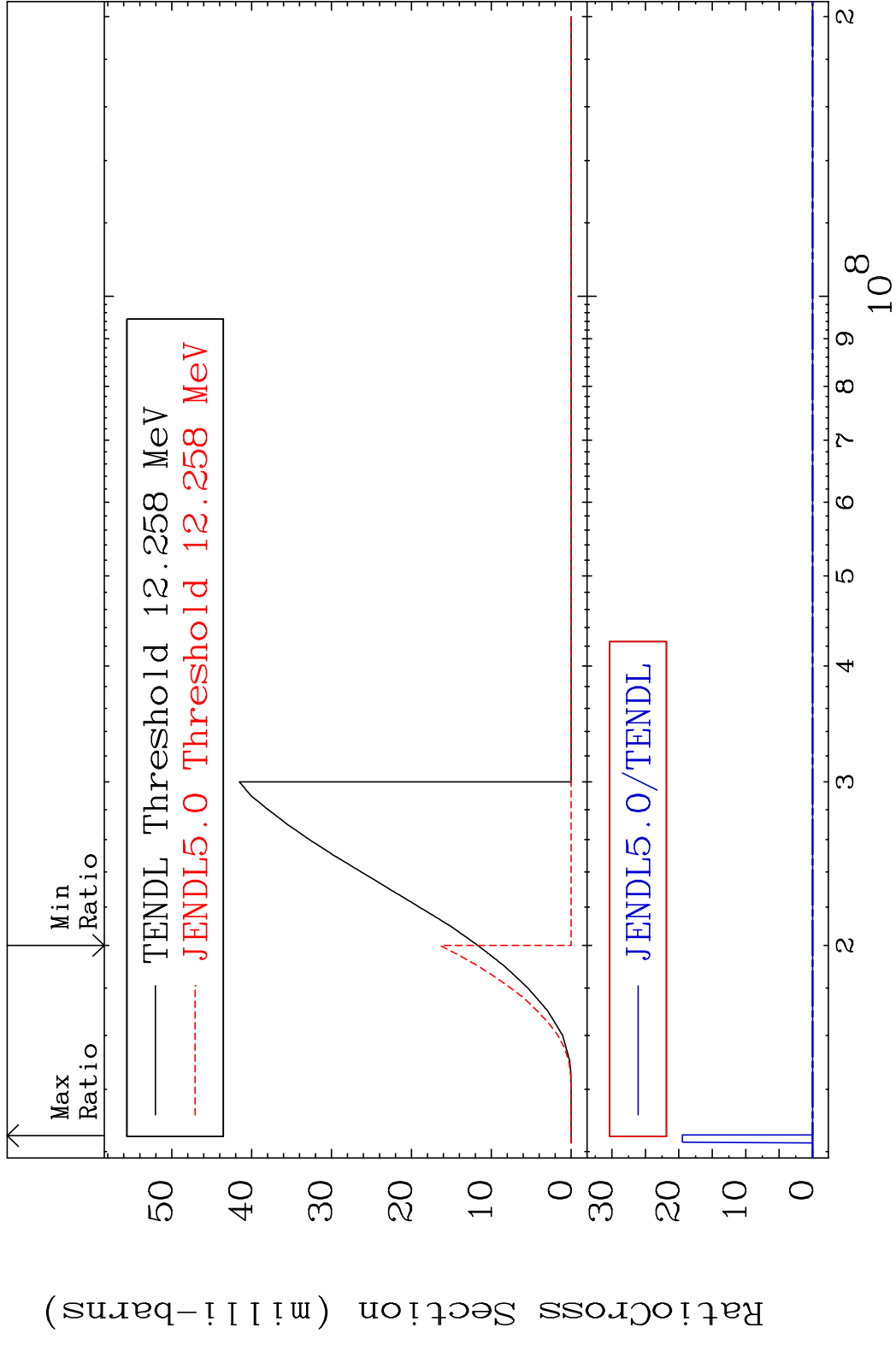


MAT 1928 (n, n') p 19-K -40  
 Cross Section -100.0 To 9999. %

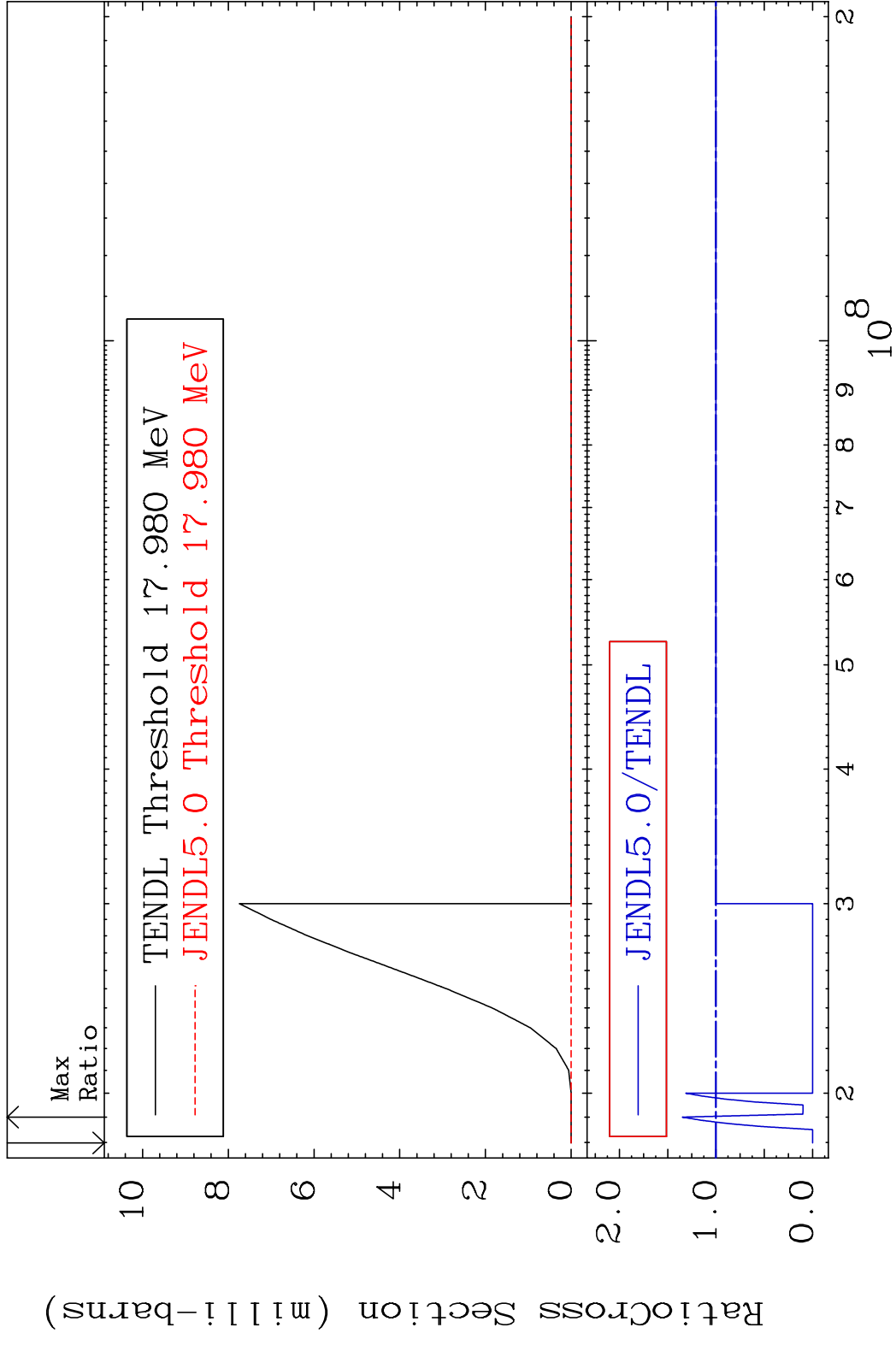


8 Incident Energy (eV) 19-K -40

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

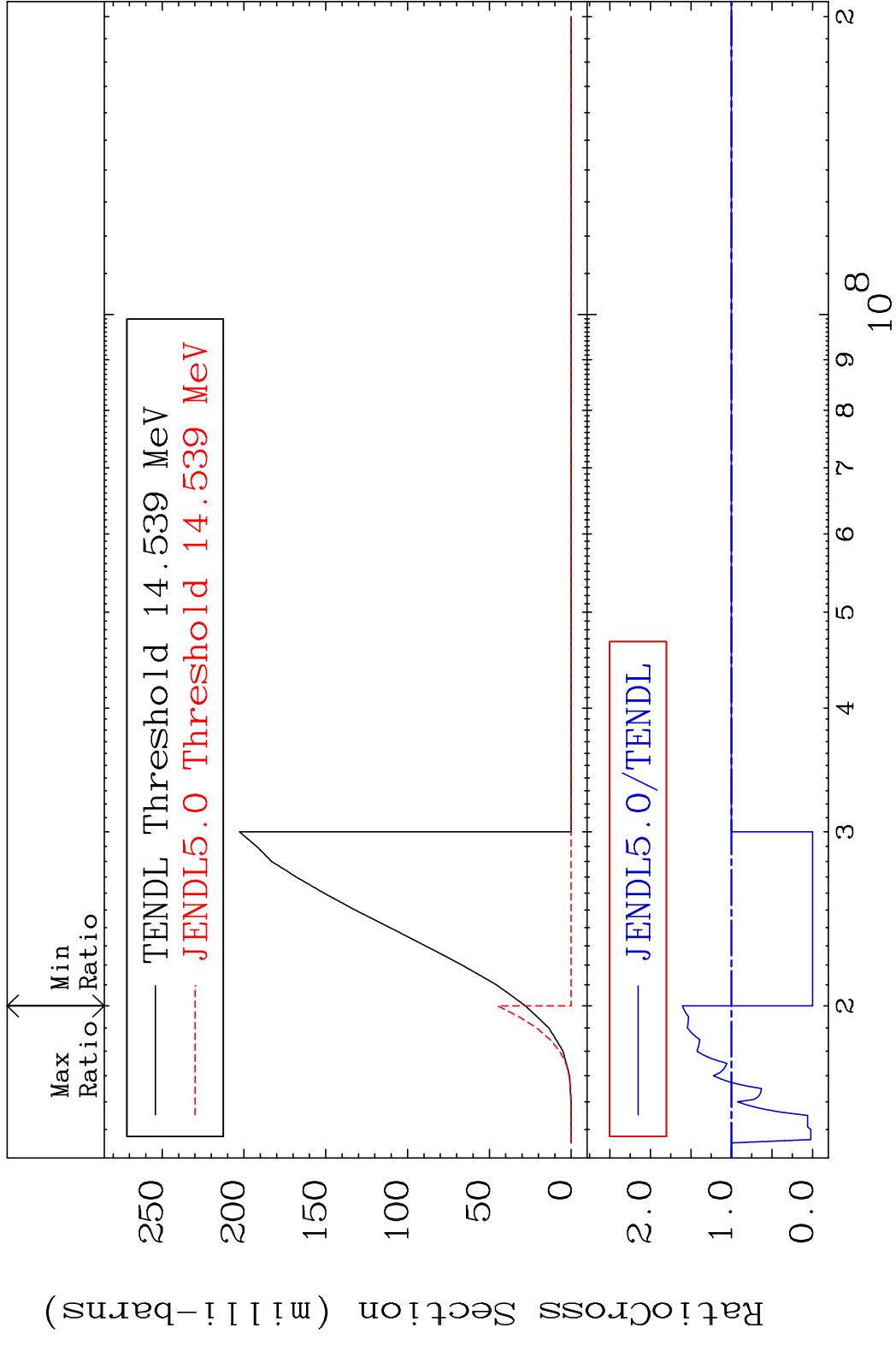


MAT 1928 (n, n') t 19-K -40  
 Cross Section -100.0 To 34.84 %



10 19-K -40

MAT 1928 (n,2n) p 19-K -40  
 Cross Section -100.0 To 60.62 %

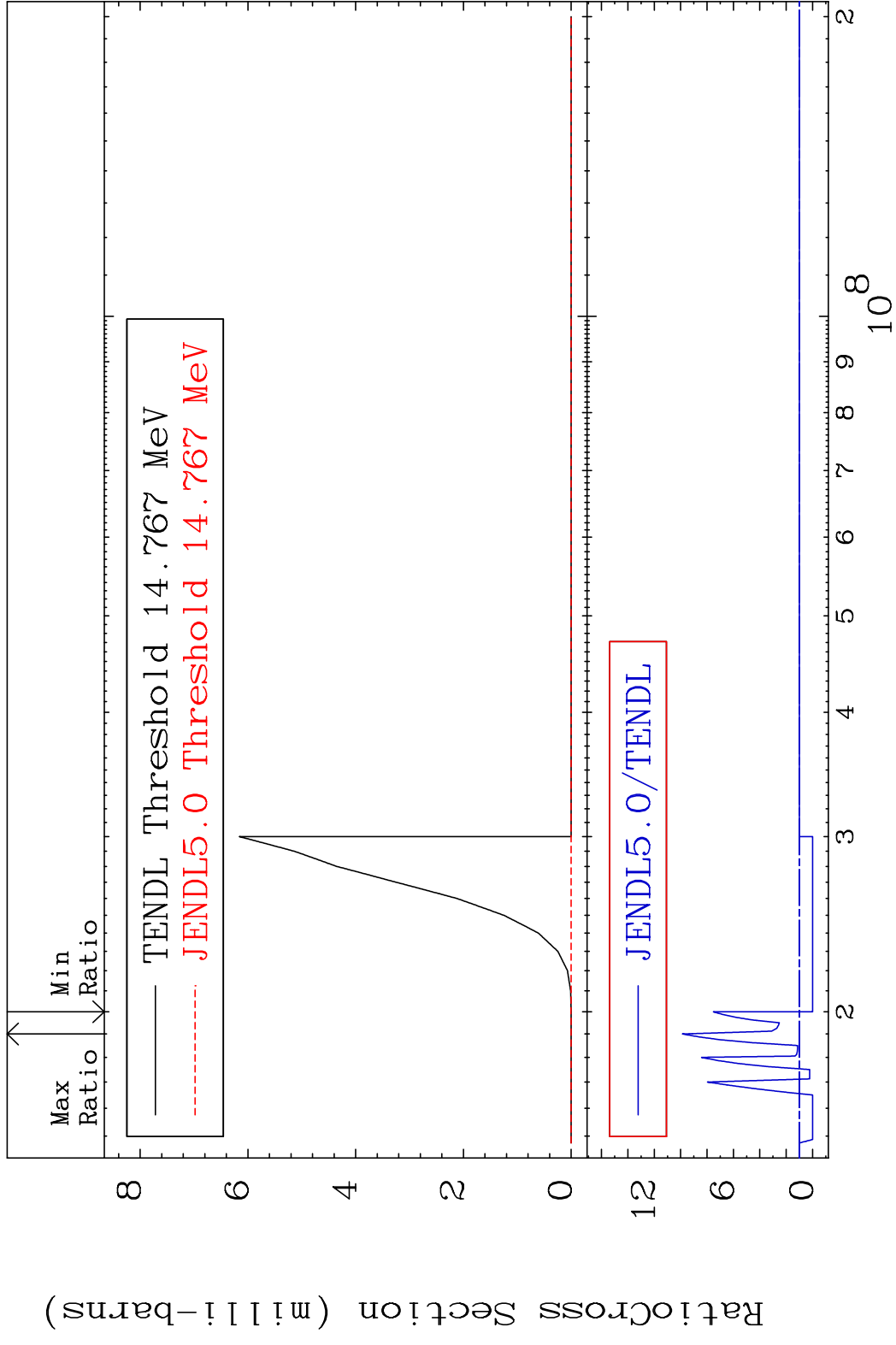


MAT 1928

(n,n') p  $\alpha$

19-K -40

Cross Section -100.0 To 887.2 %

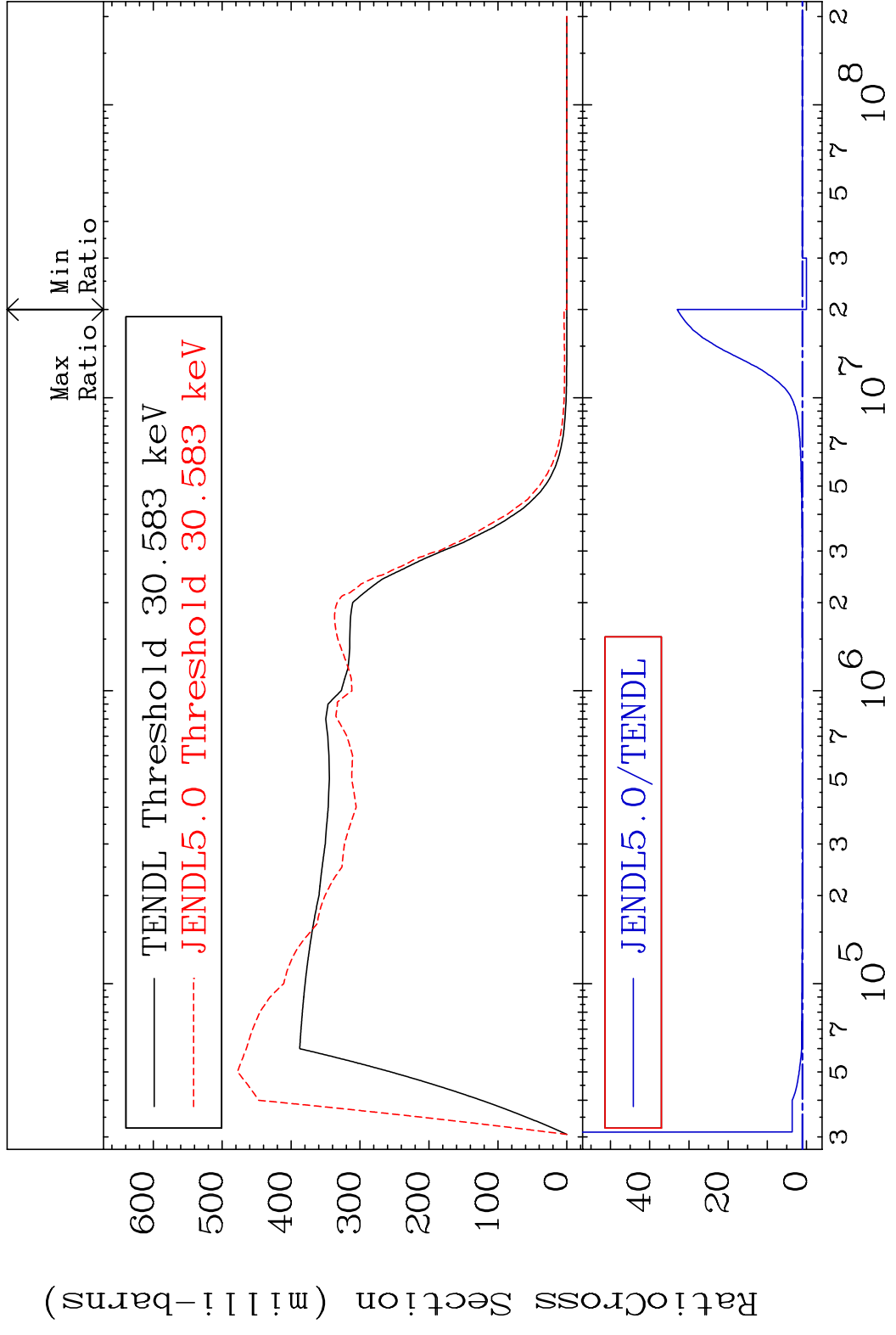


12

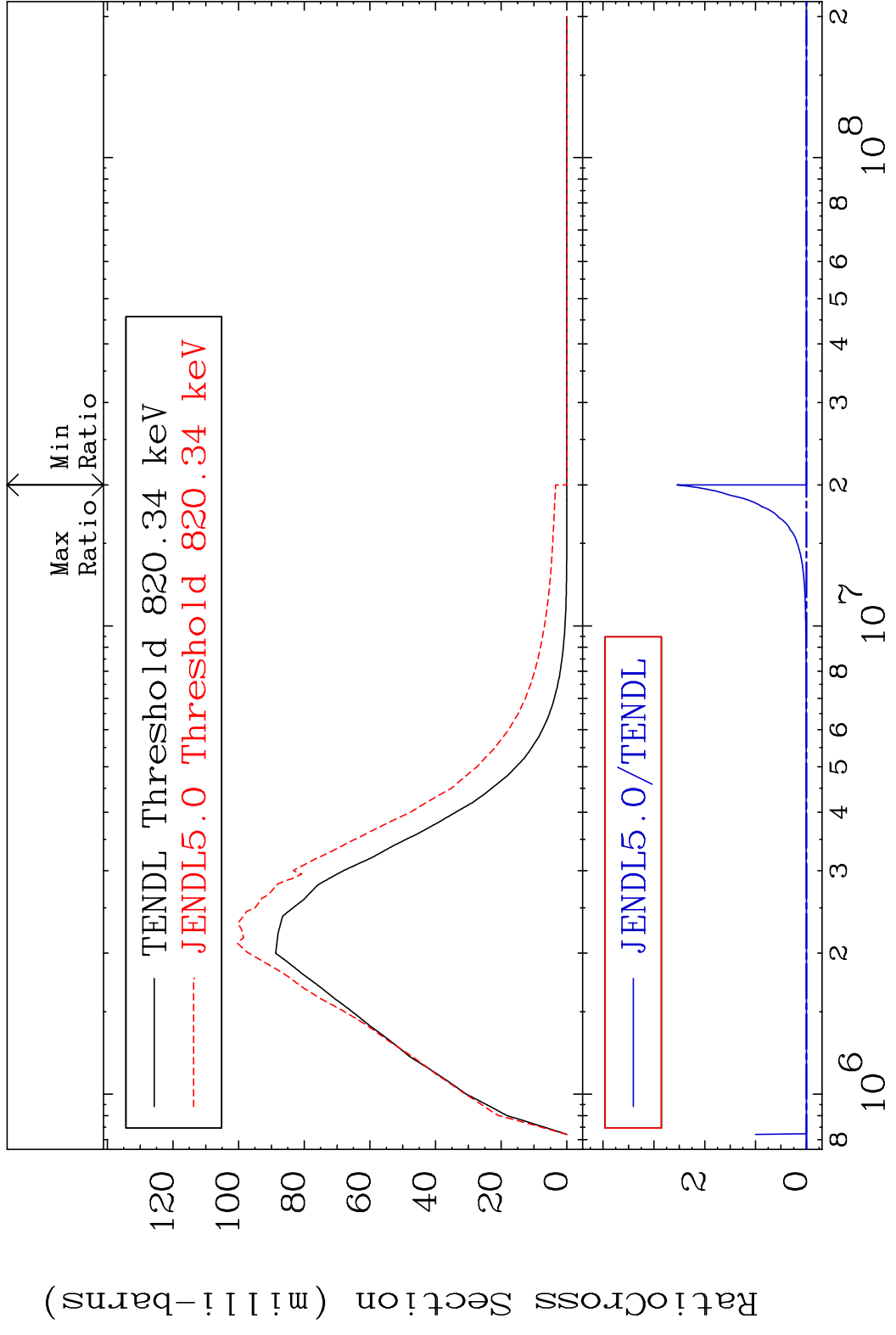
Incident Energy (eV)

19-K -40

MAT 1928 MT= 51 (n,n') Level 19-K -40  
 Cross Section -100.0 To 3199. %

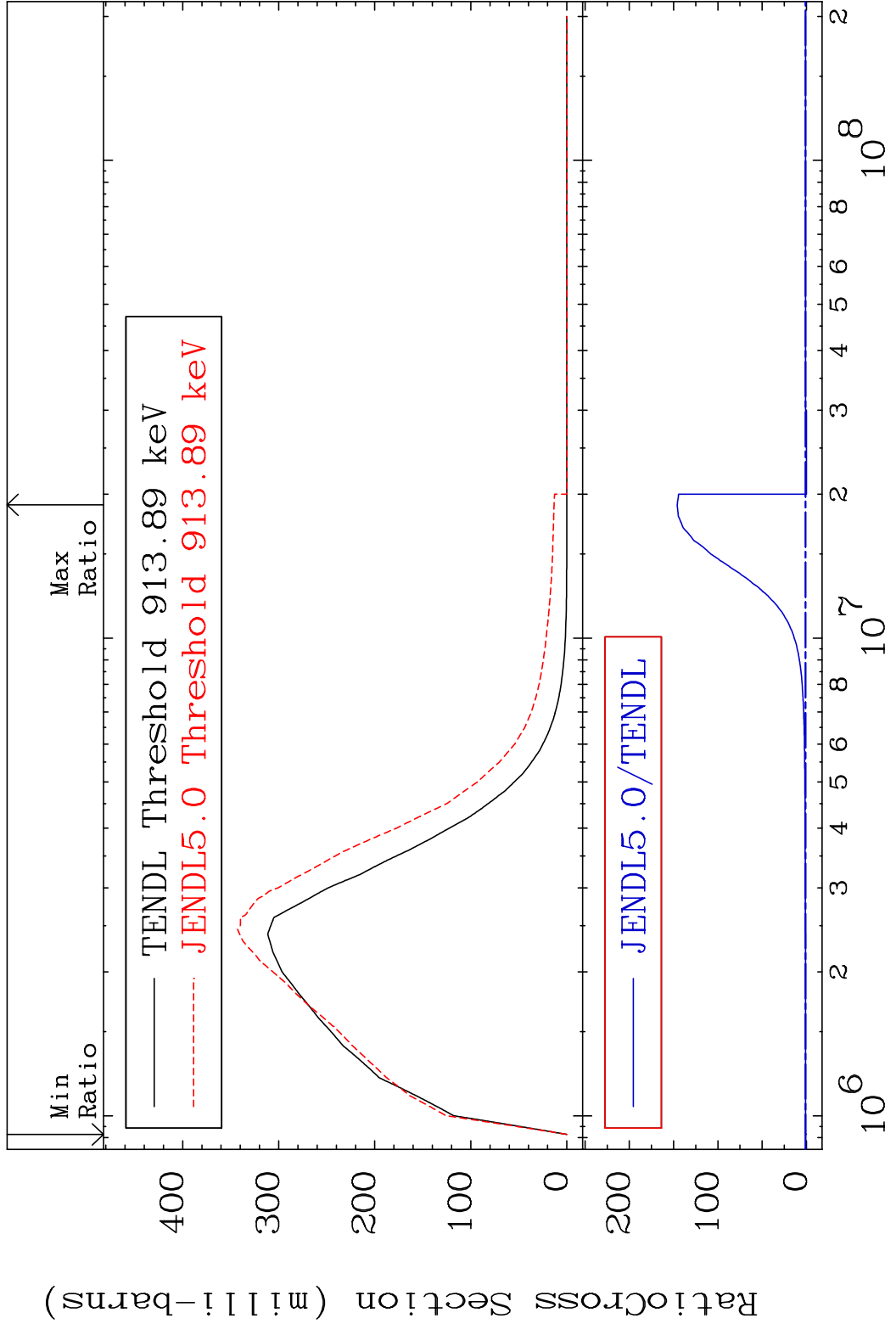


MAT 1928 MT= 52 (n, n') Level 19-K -40  
 Cross Section -100.0 To 9999. %

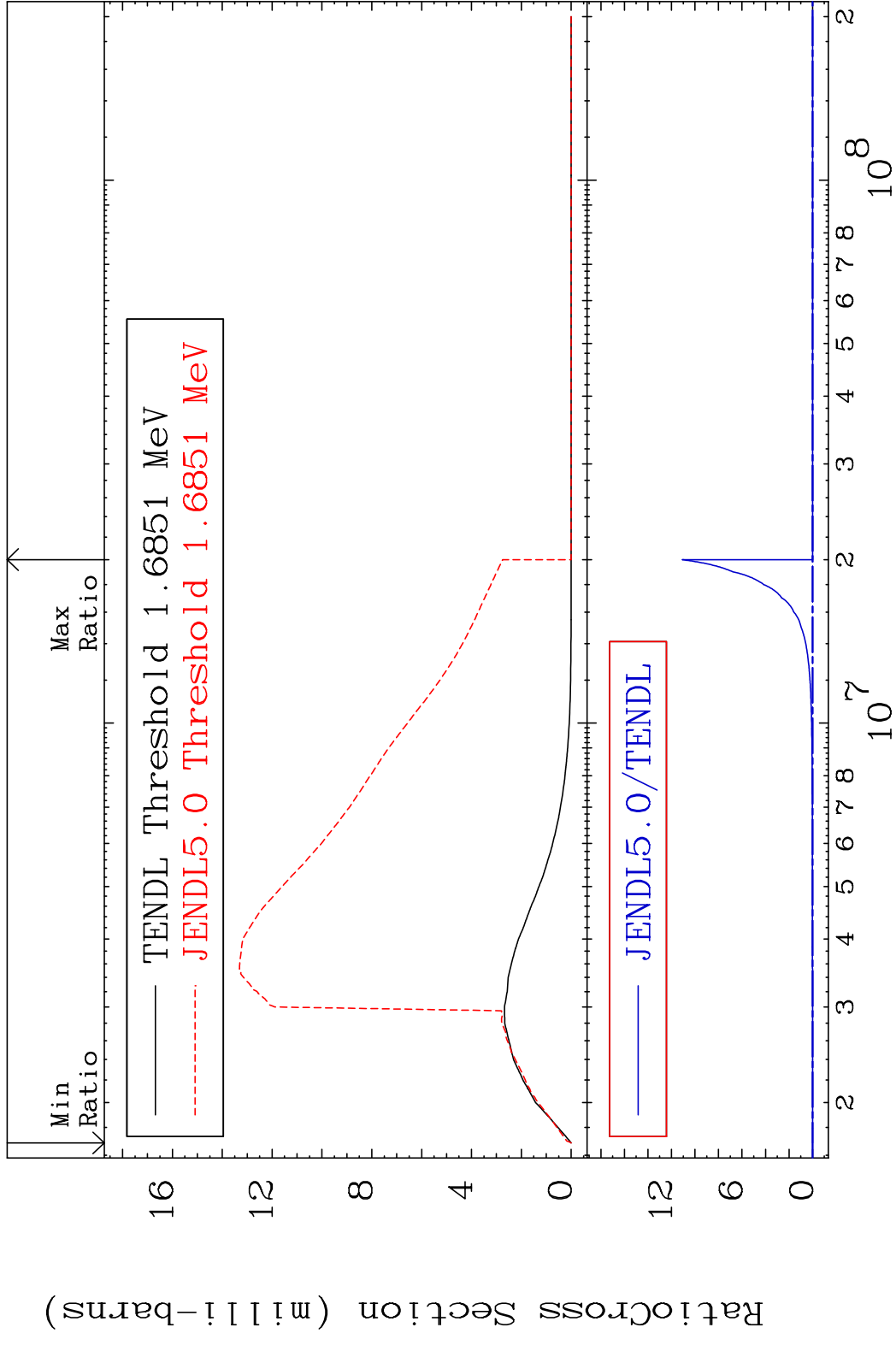


14 19-K -40

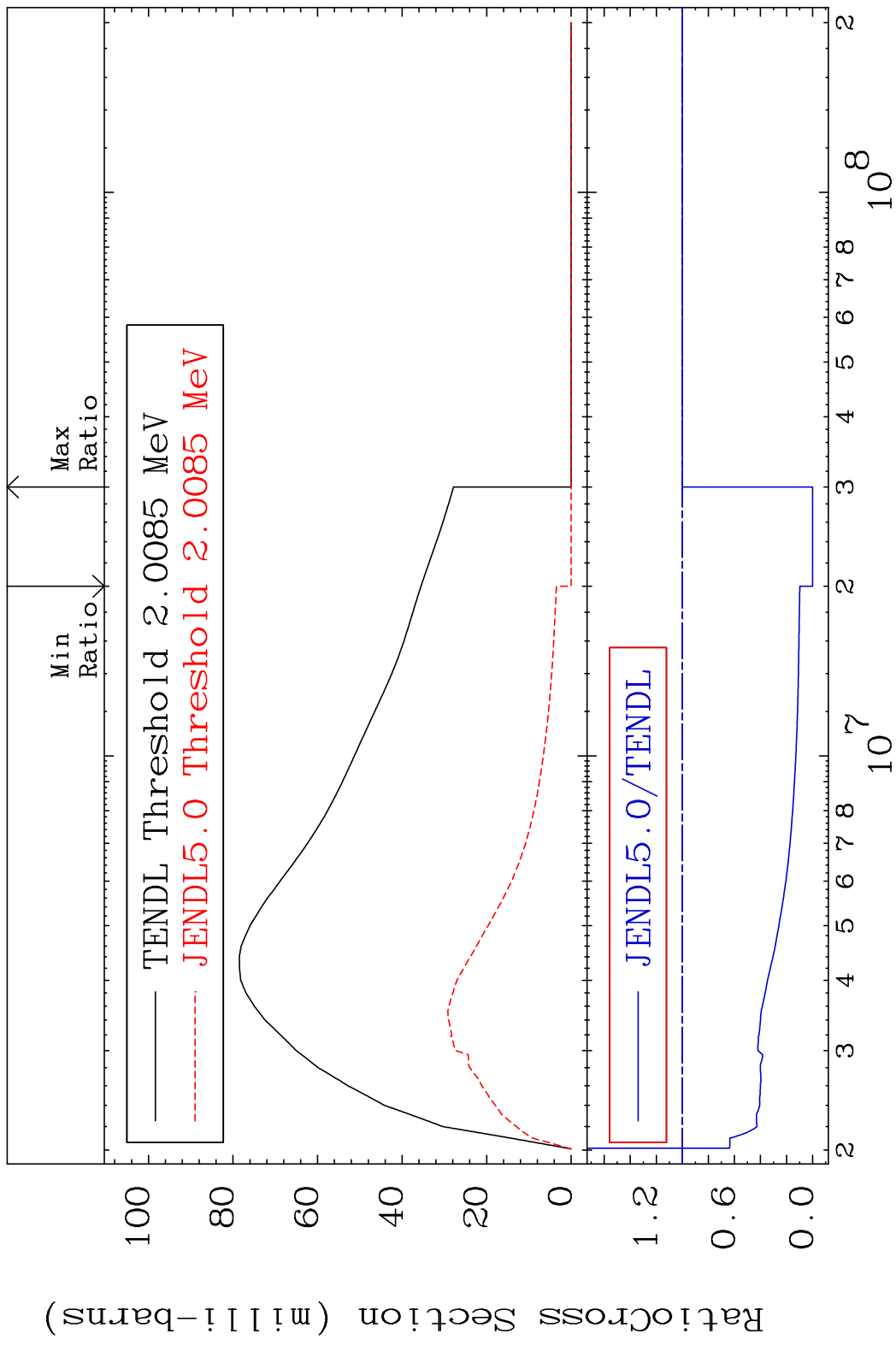
MAT 1928 MT= 53 (n, n') Level 19-K -40  
 Cross Section -100.0 To 9999. %



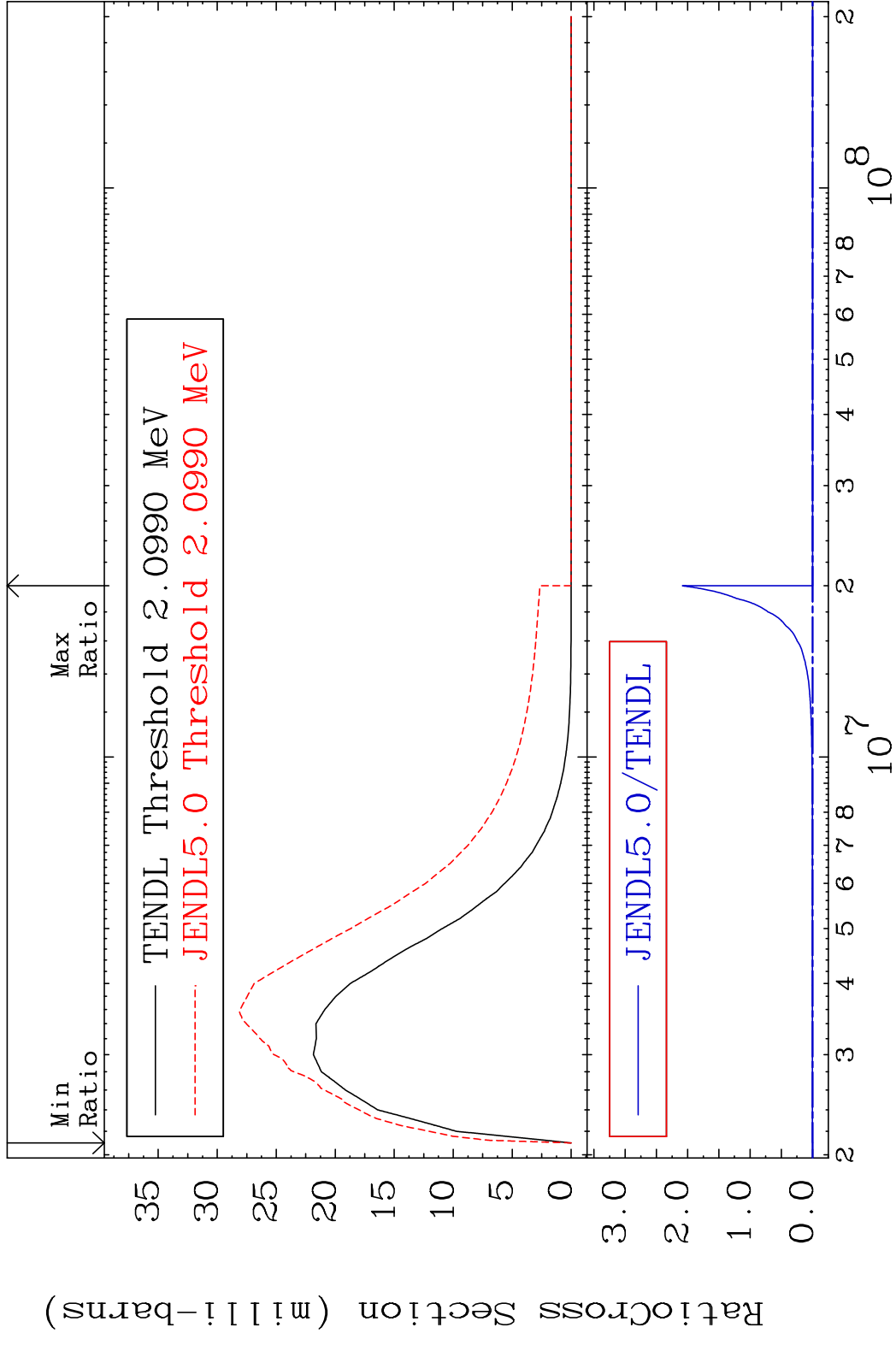
MAT 1928 MT= 54 (n, n') Level 19-K -40  
 Cross Section -100.0 To 9999. %



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

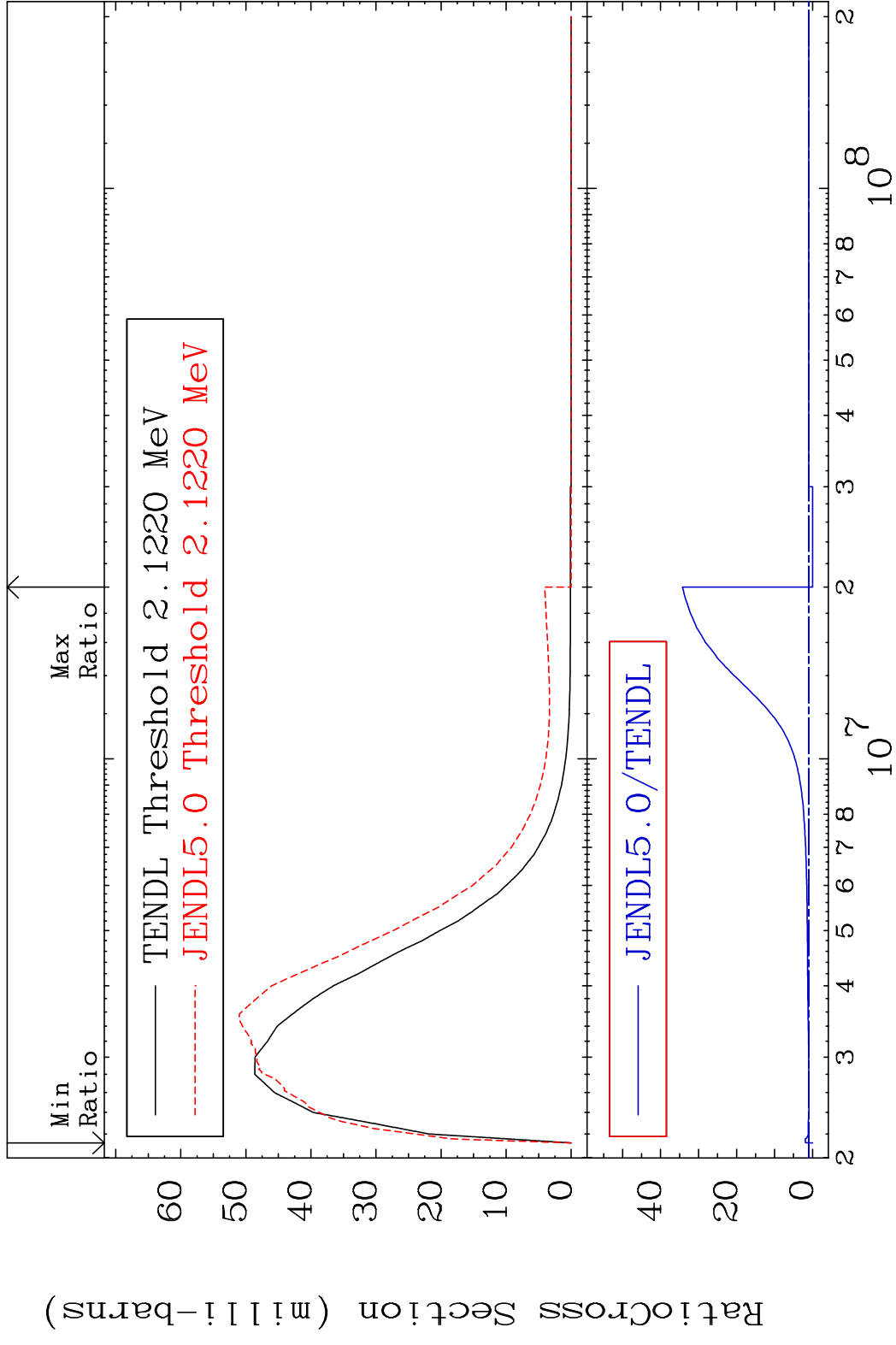


MAT 1928 MT= 56 (n, n') Level 19-K -40  
 Cross Section -100.0 To 9999. %

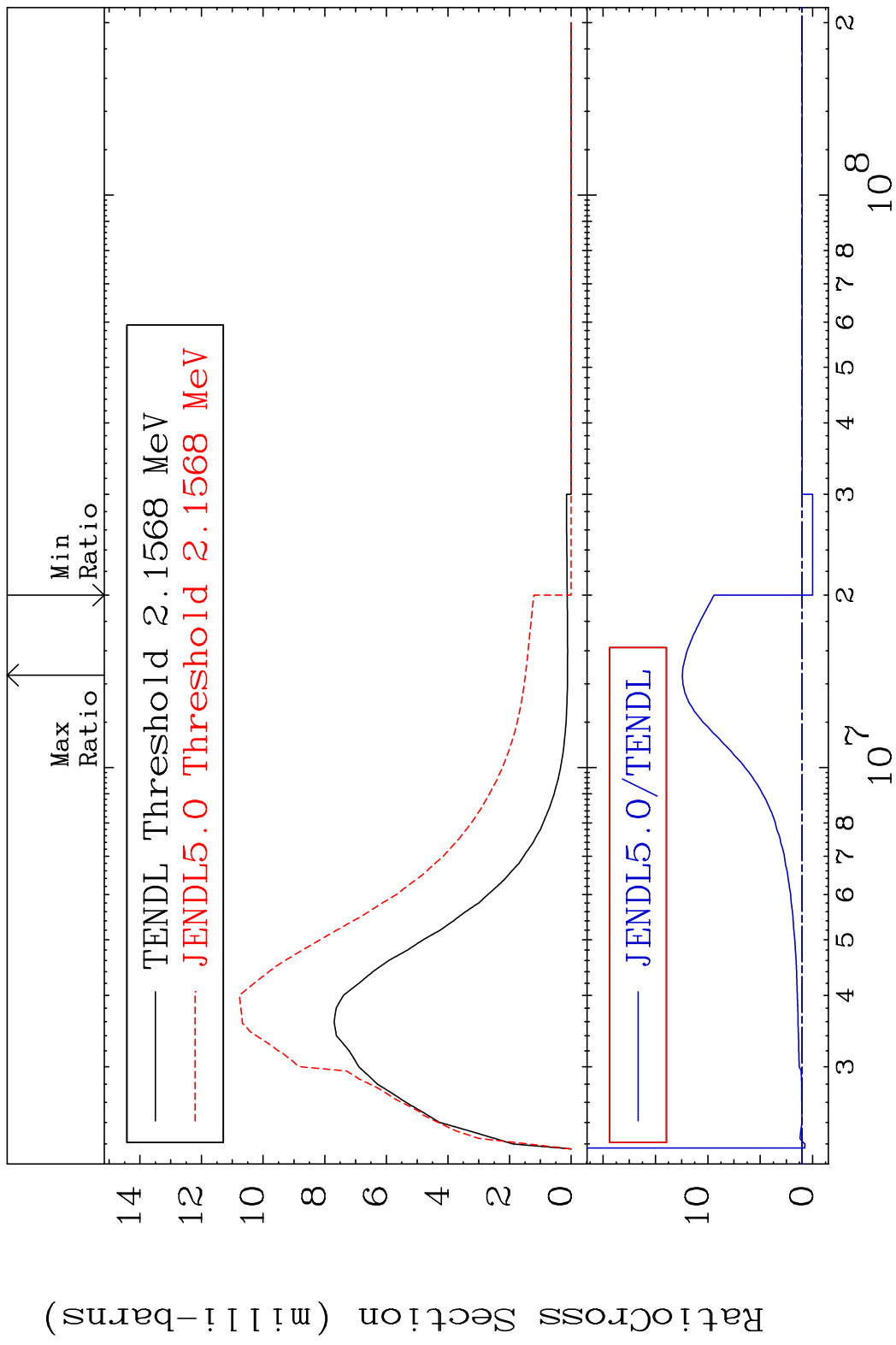


18 19-K -40

MAT 1928 MT= 57 (n, n') Level 19-K -40  
 Cross Section -100.0 To 3327. %

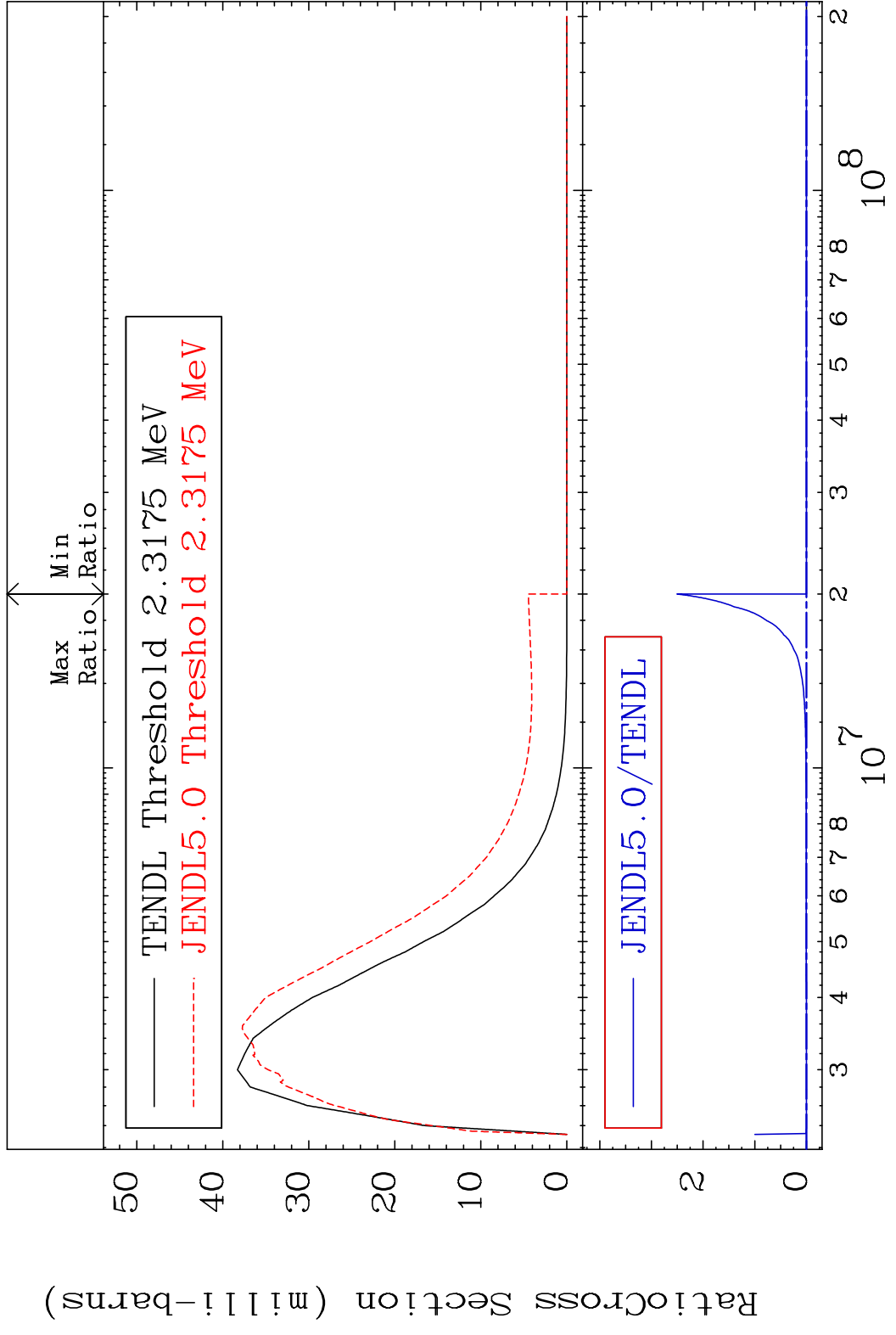


MAT 1928 MT= 58 (n, n') Level 19-K -40  
 Cross Section -100.0 To 1143. %

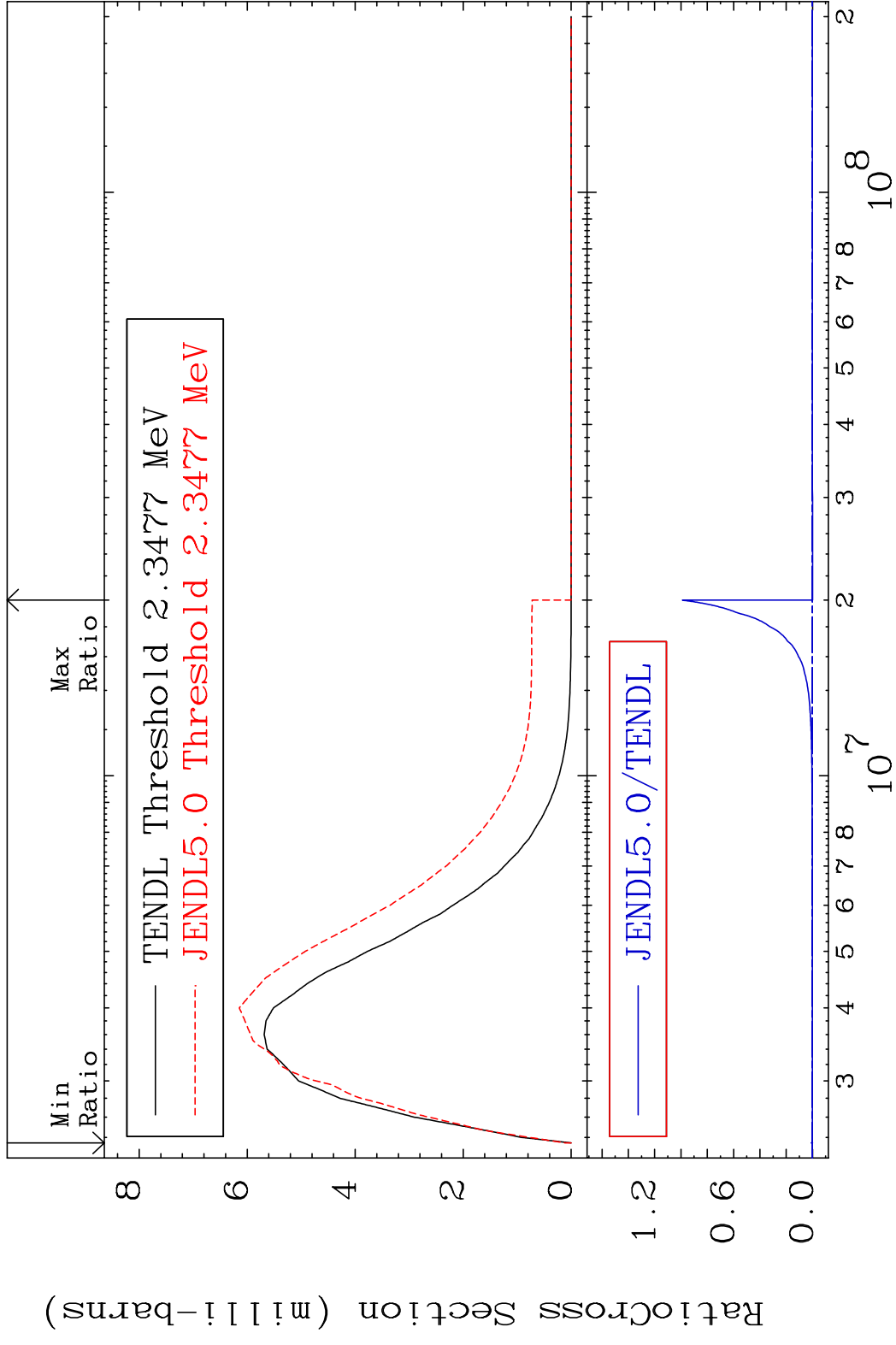


20 Incident Energy (eV) 19-K -40

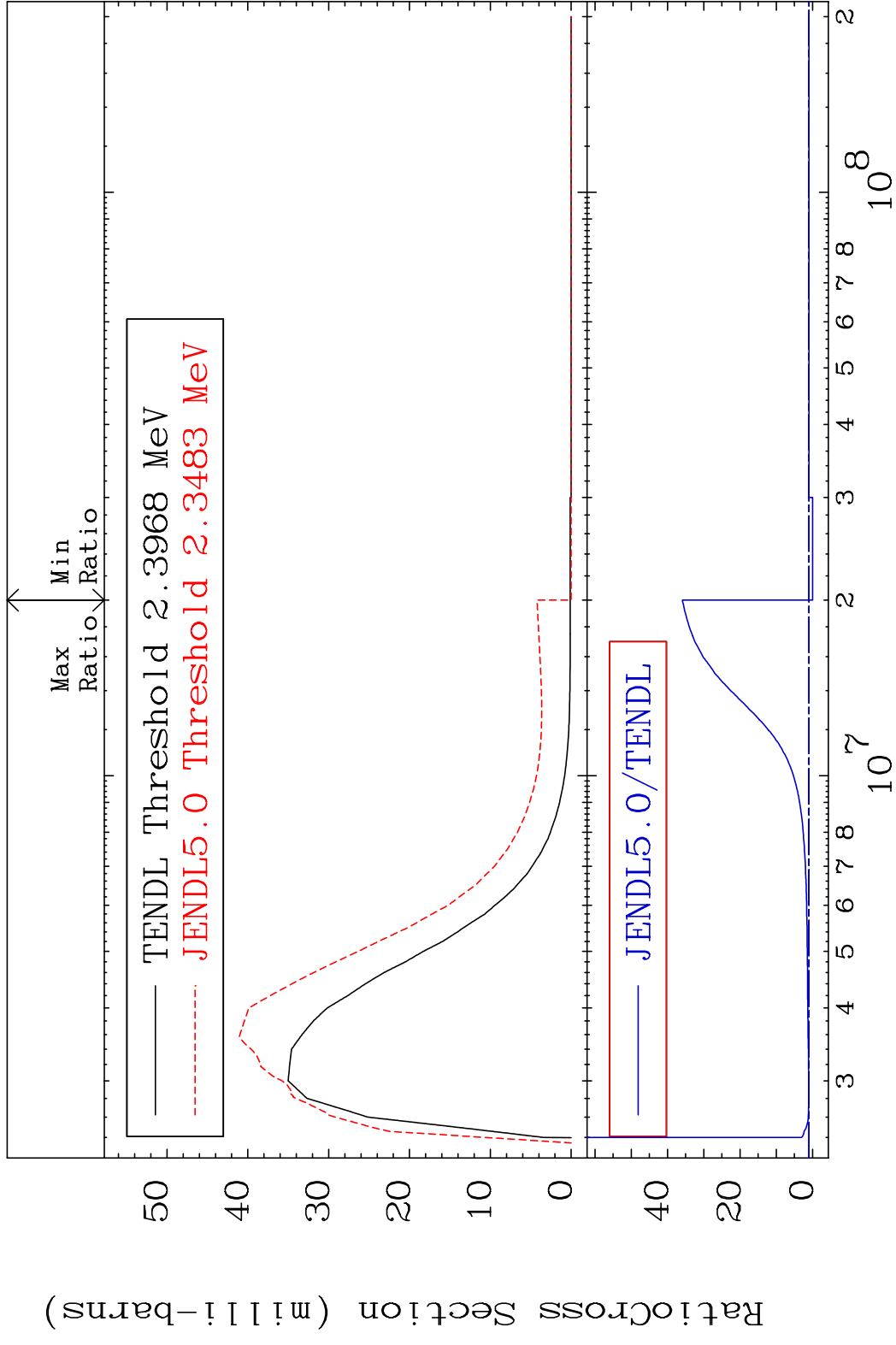
MAT 1928 MT= 59 (n, n') Level 19-K -40  
 Cross Section -100.0 To 9999. %



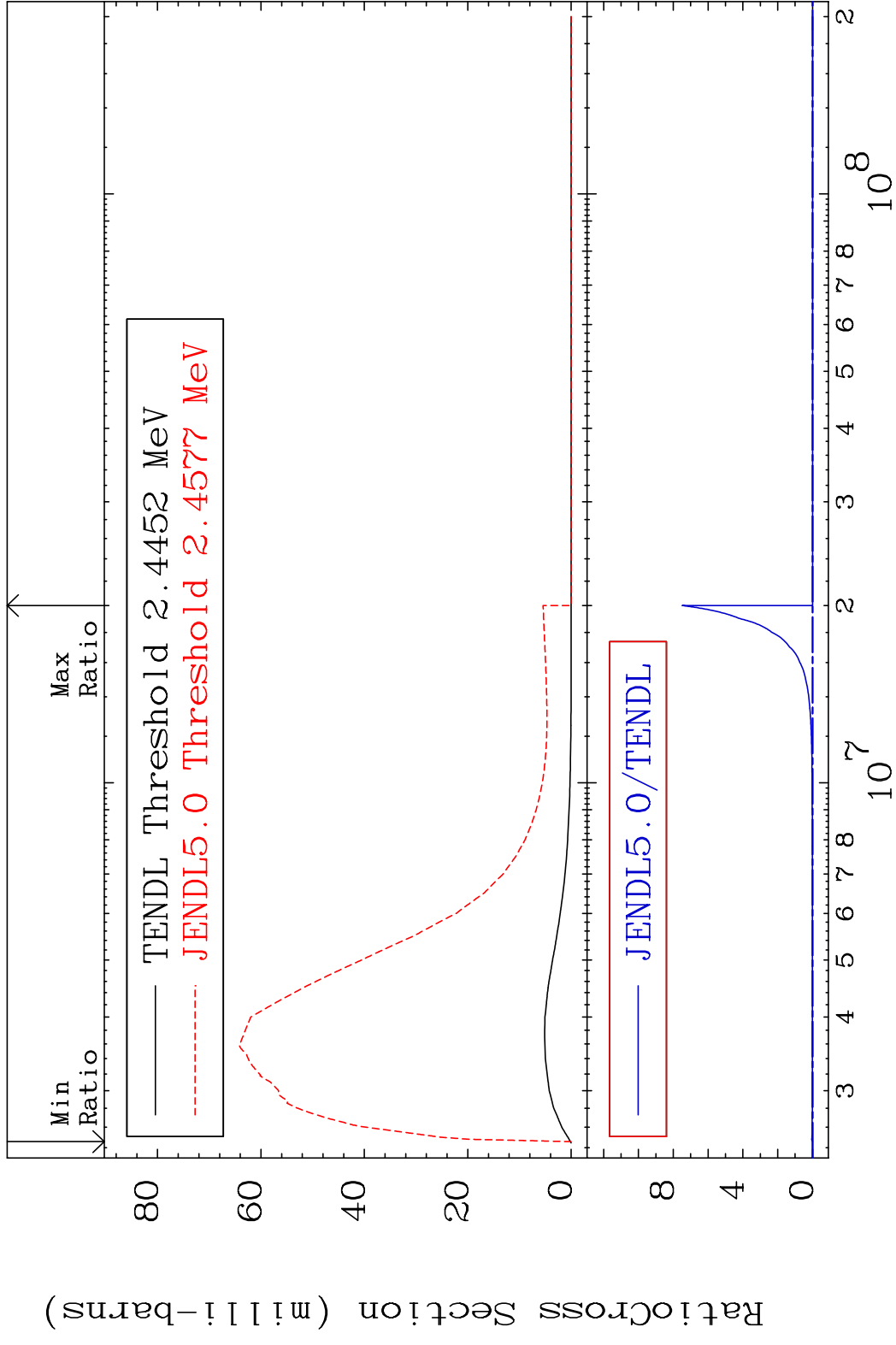
MAT 1928 MT= 60 (n, n') Level 19-K -40  
 Cross Section -100.0 To 9999. %



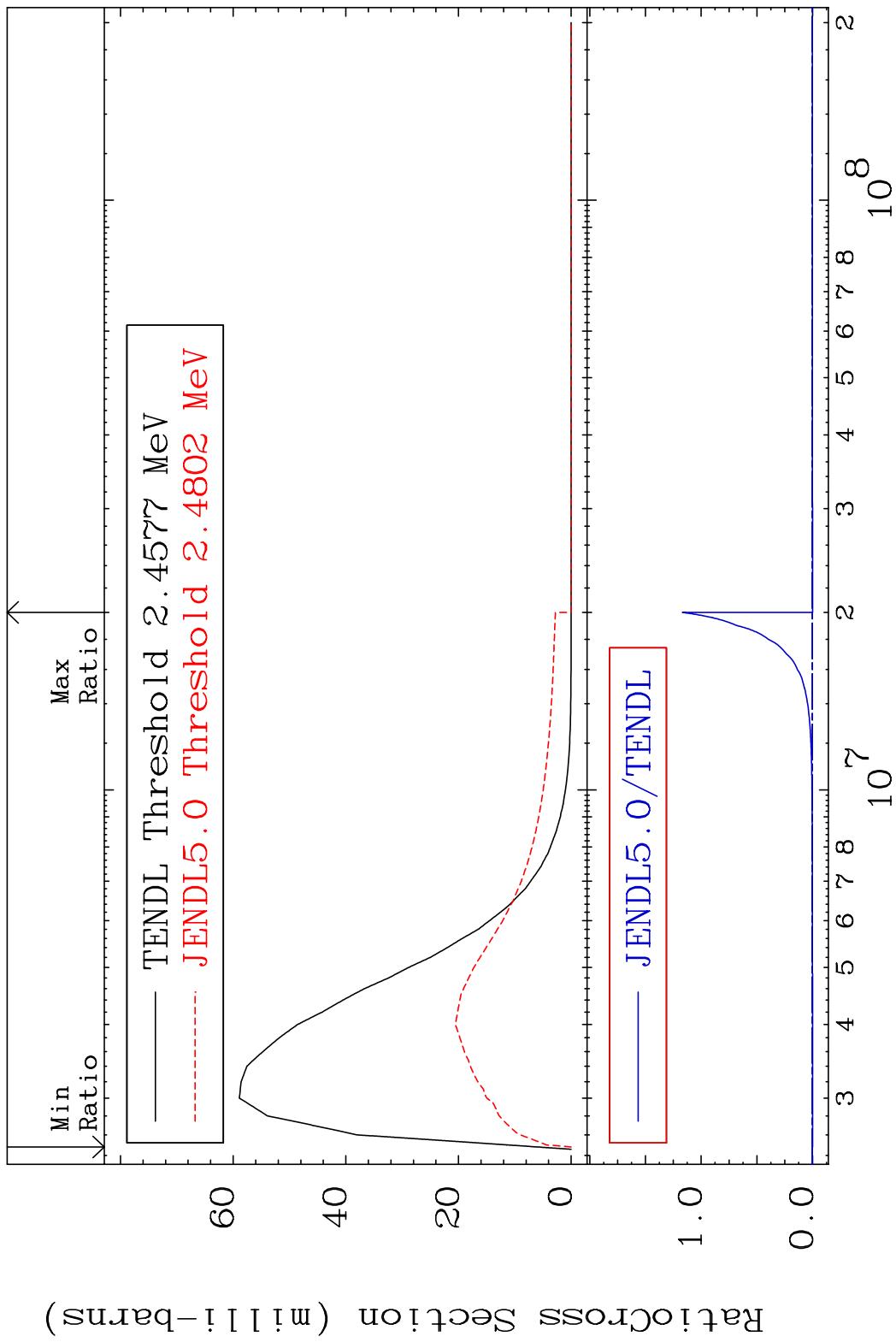
MAT 1928 MT= 61 (n, n') Level 19-K -40  
 Cross Section -100.0 To 3492. %



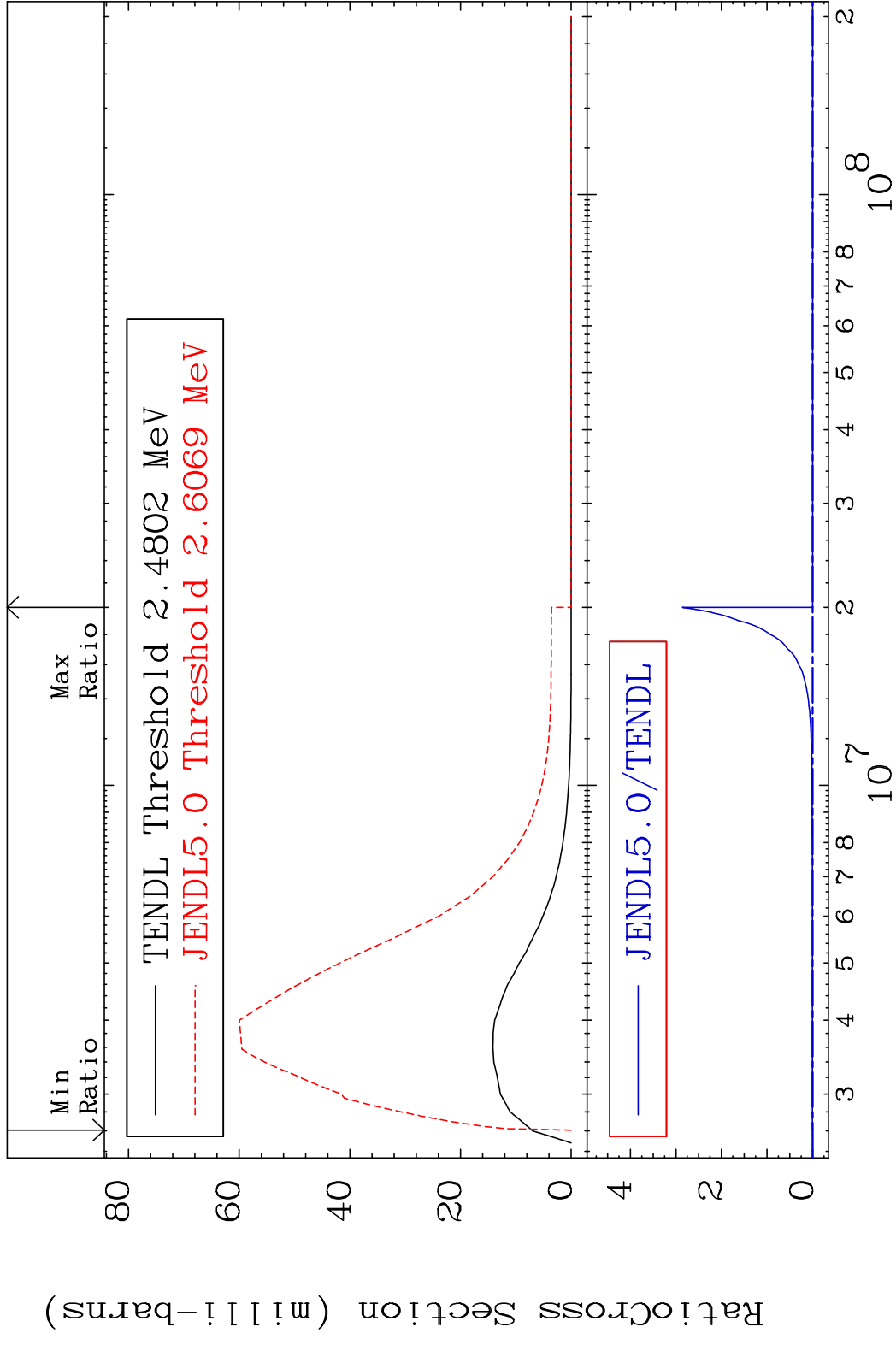
MAT 1928 MT= 62 (n, n') Level 19-K -40  
 Cross Section -100.0 To 9999. %



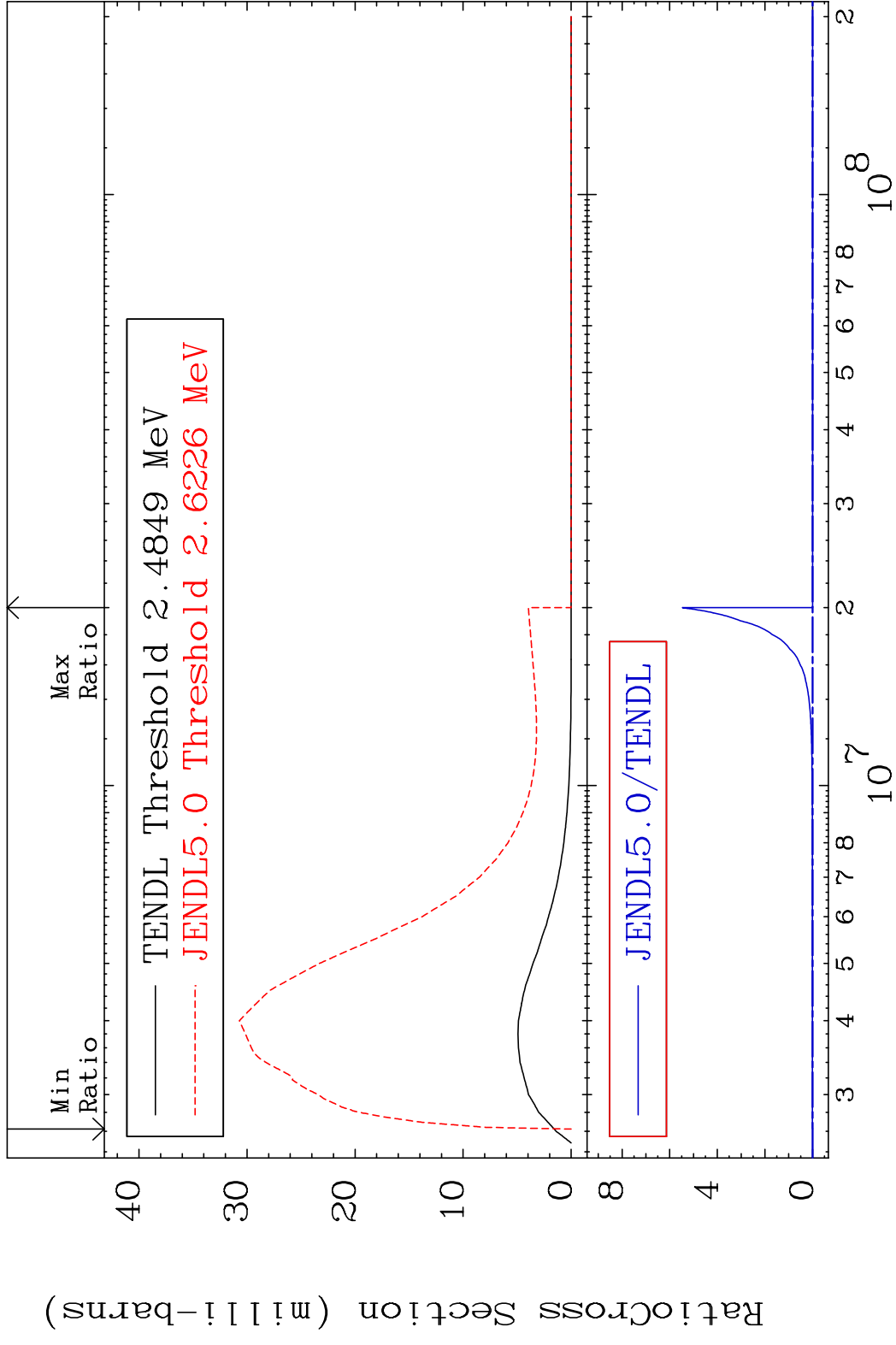
MAT 1928 MT= 63 (n, n') Level 19-K -40  
 Cross Section -100.0 To 9999. %



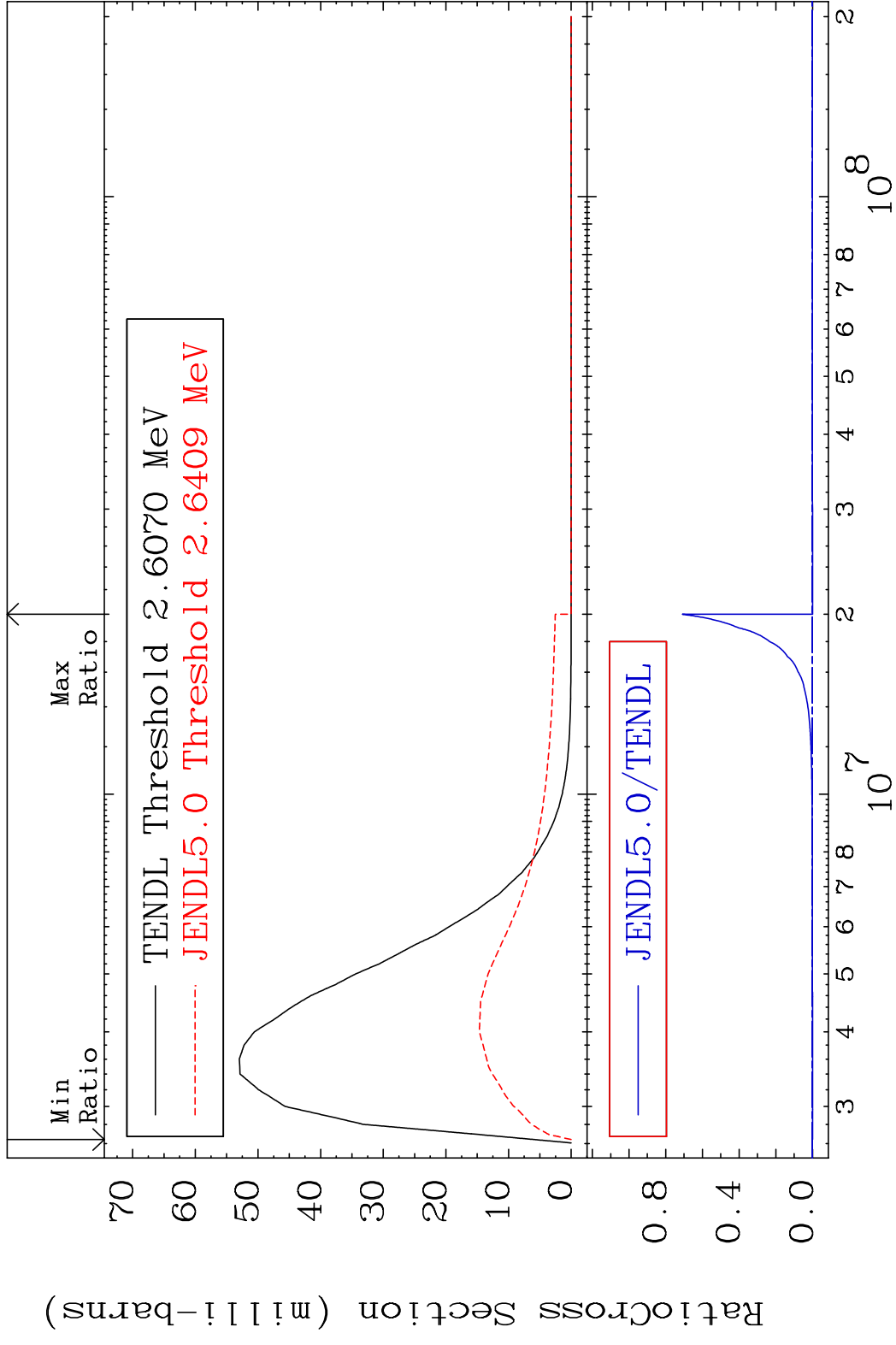
MAT 1928 MT= 64 (n, n') Level 19-K -40  
 Cross Section -100.0 To 9999. %



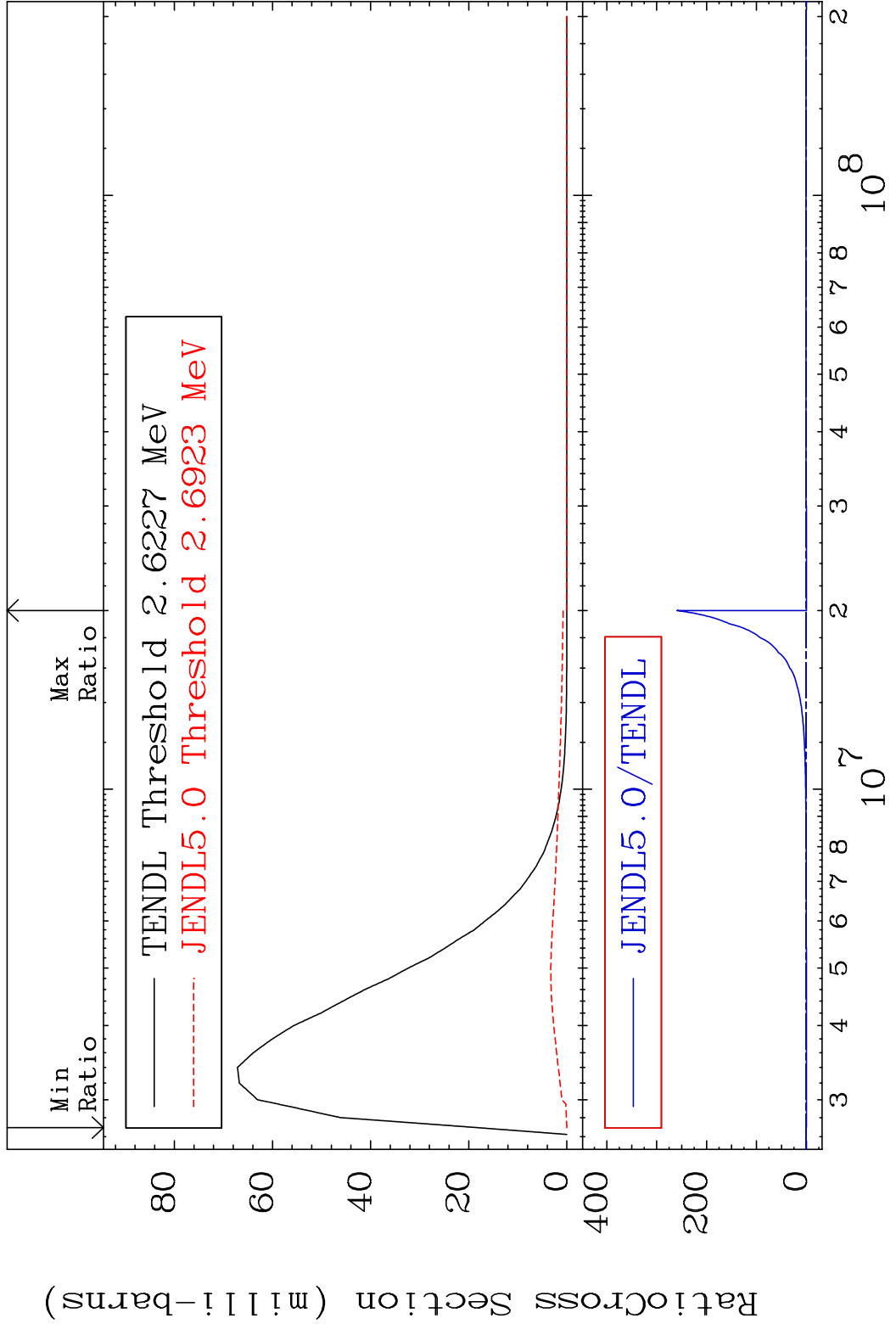
MAT 1928 MT= 65 (n, n') Level 19-K -40  
 Cross Section -100.0 To 9999. %



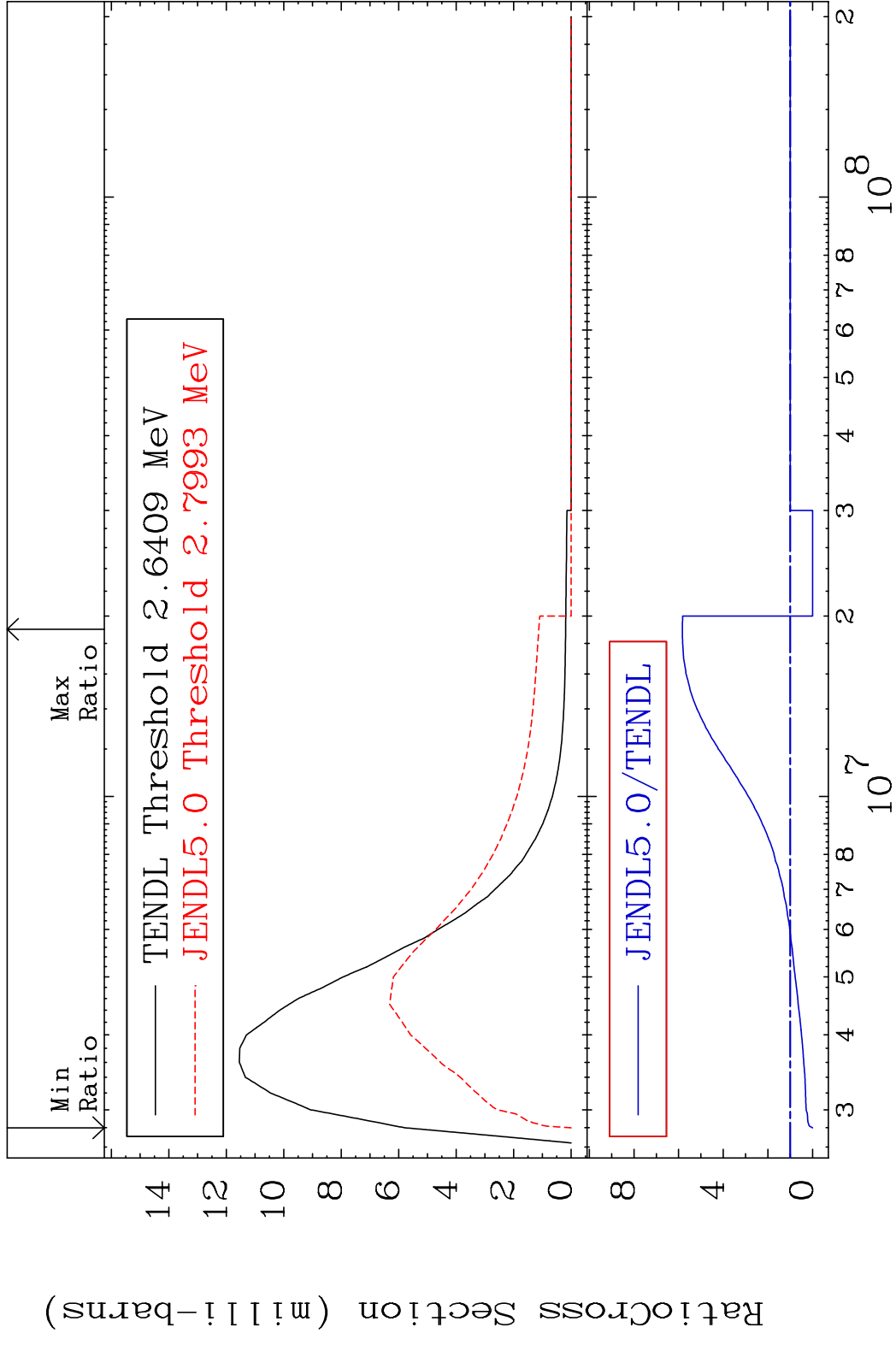
MAT 1928 MT= 66 (n,n') Level 19-K -40  
 Cross Section -100.0 To 9999. %



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

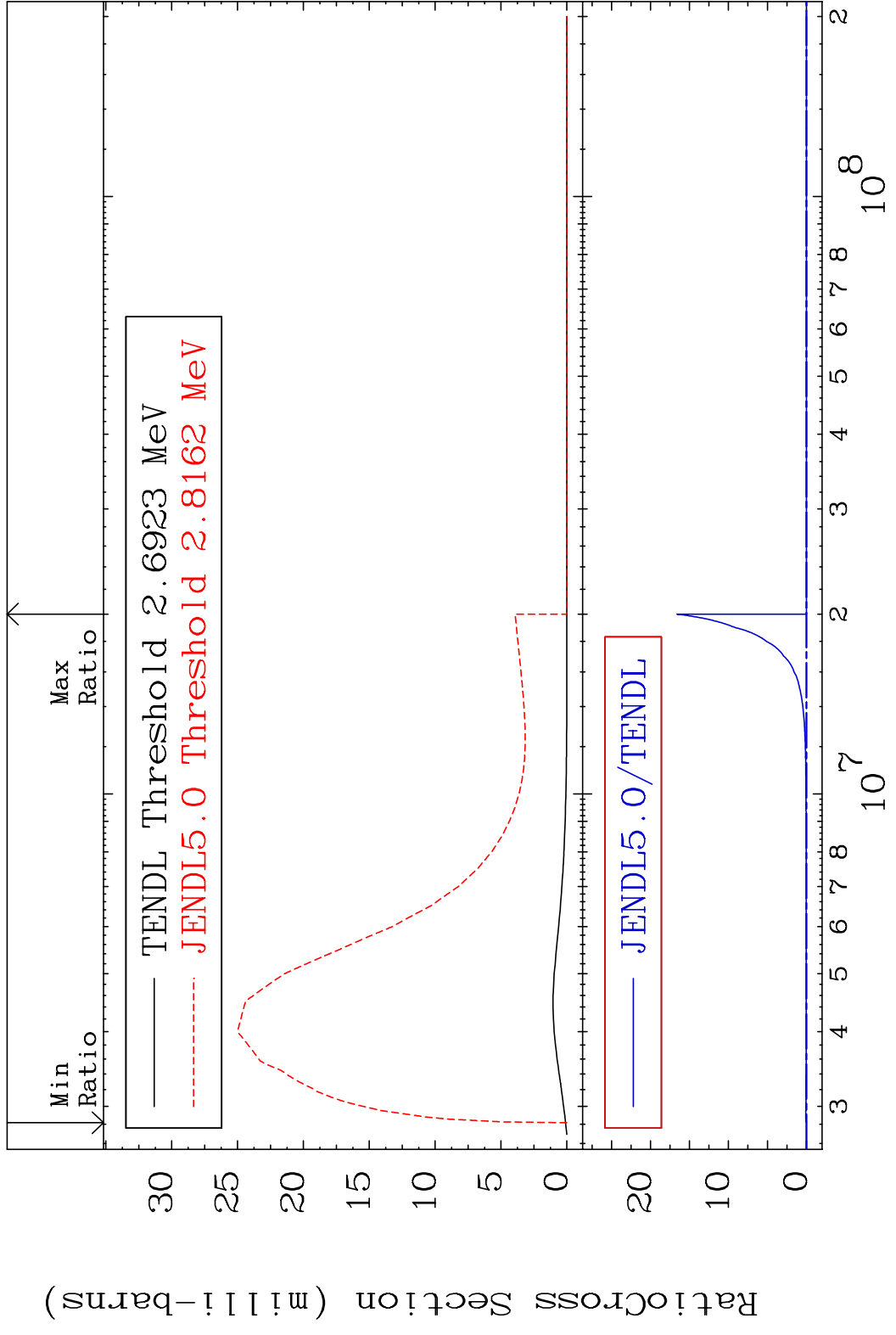


MAT 1928 MT= 68 (n, n') Level 19-K -40  
 Cross Section -100.0 To 483.2 %

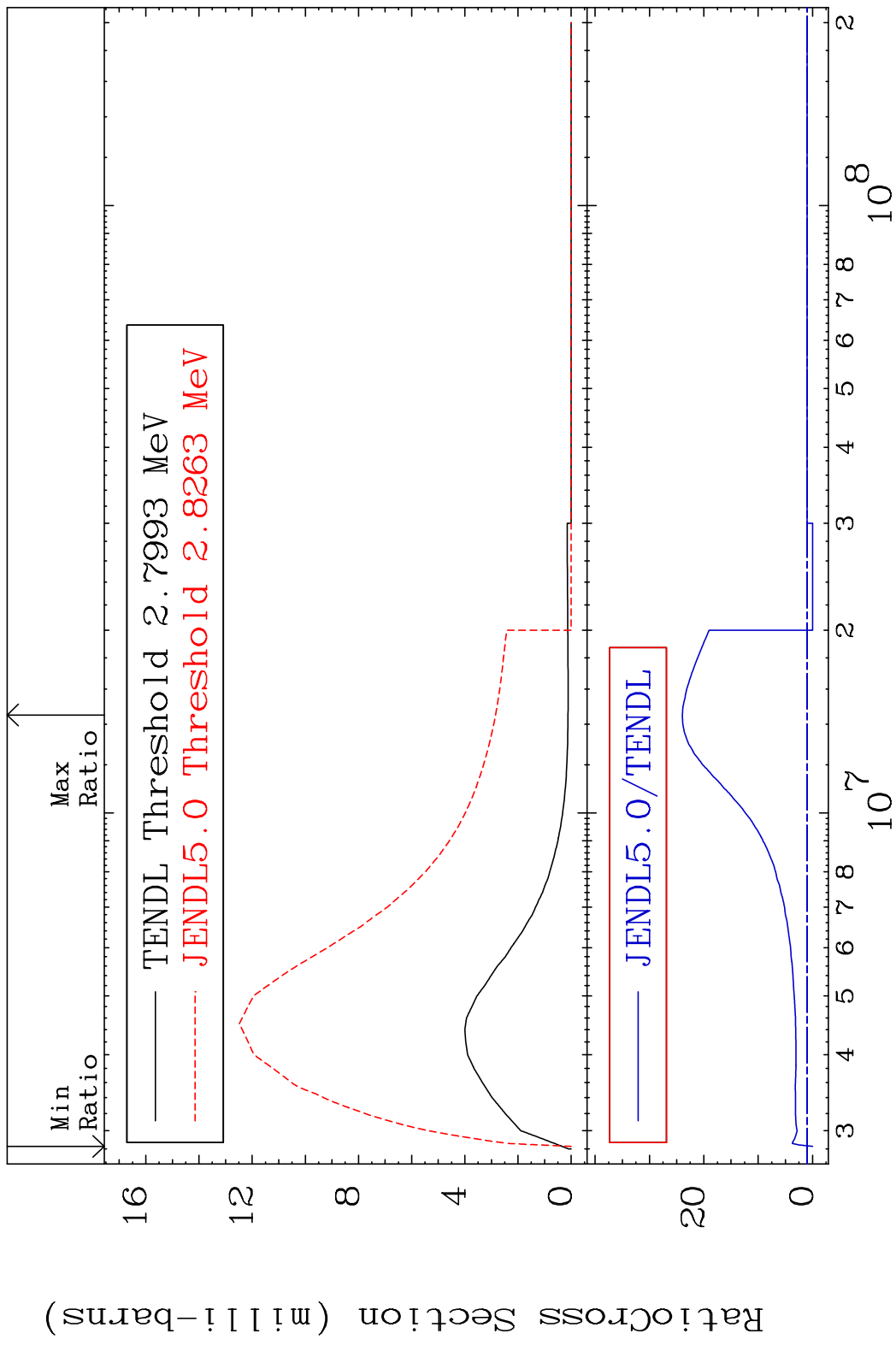


30 19-K -40

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

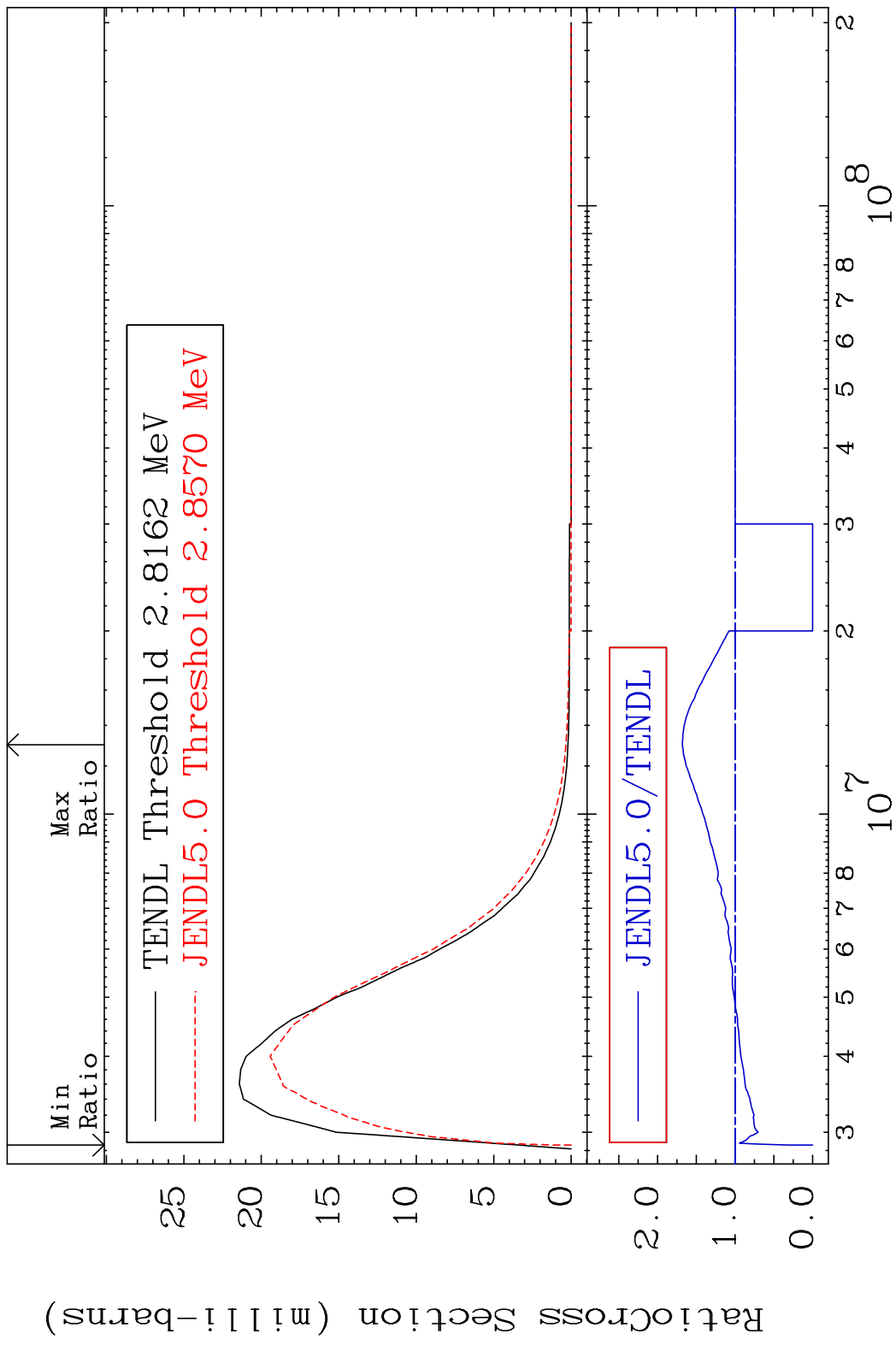


MAT 1928 MT= 70 (n,n') Level 19-K -40  
 Cross Section -100.0 To 2295. %

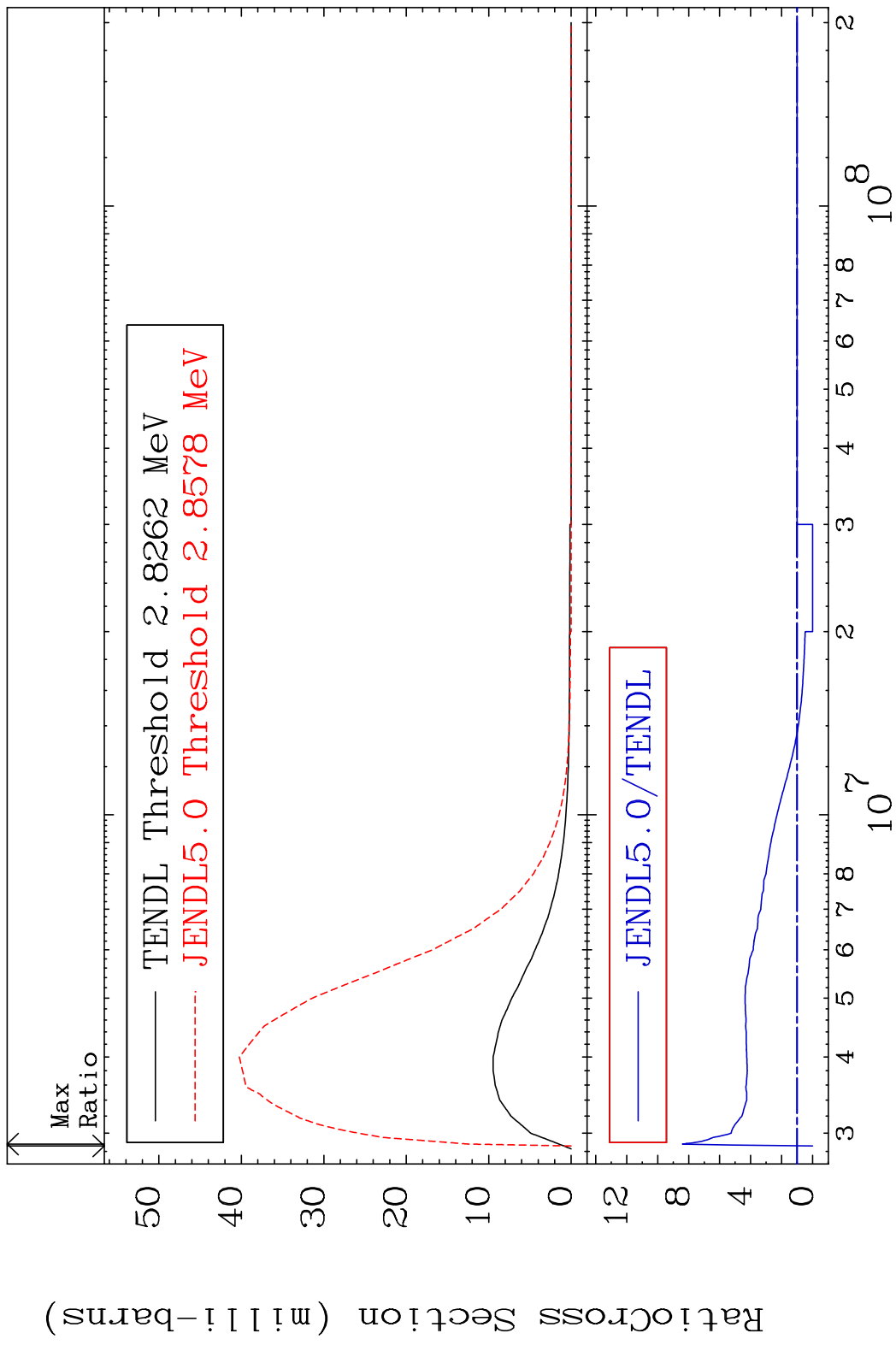


32 19-K -40

MAT 1928 MT= 71 (n,n') Level 19-K -40  
 Cross Section -100.0 To 68.04 %

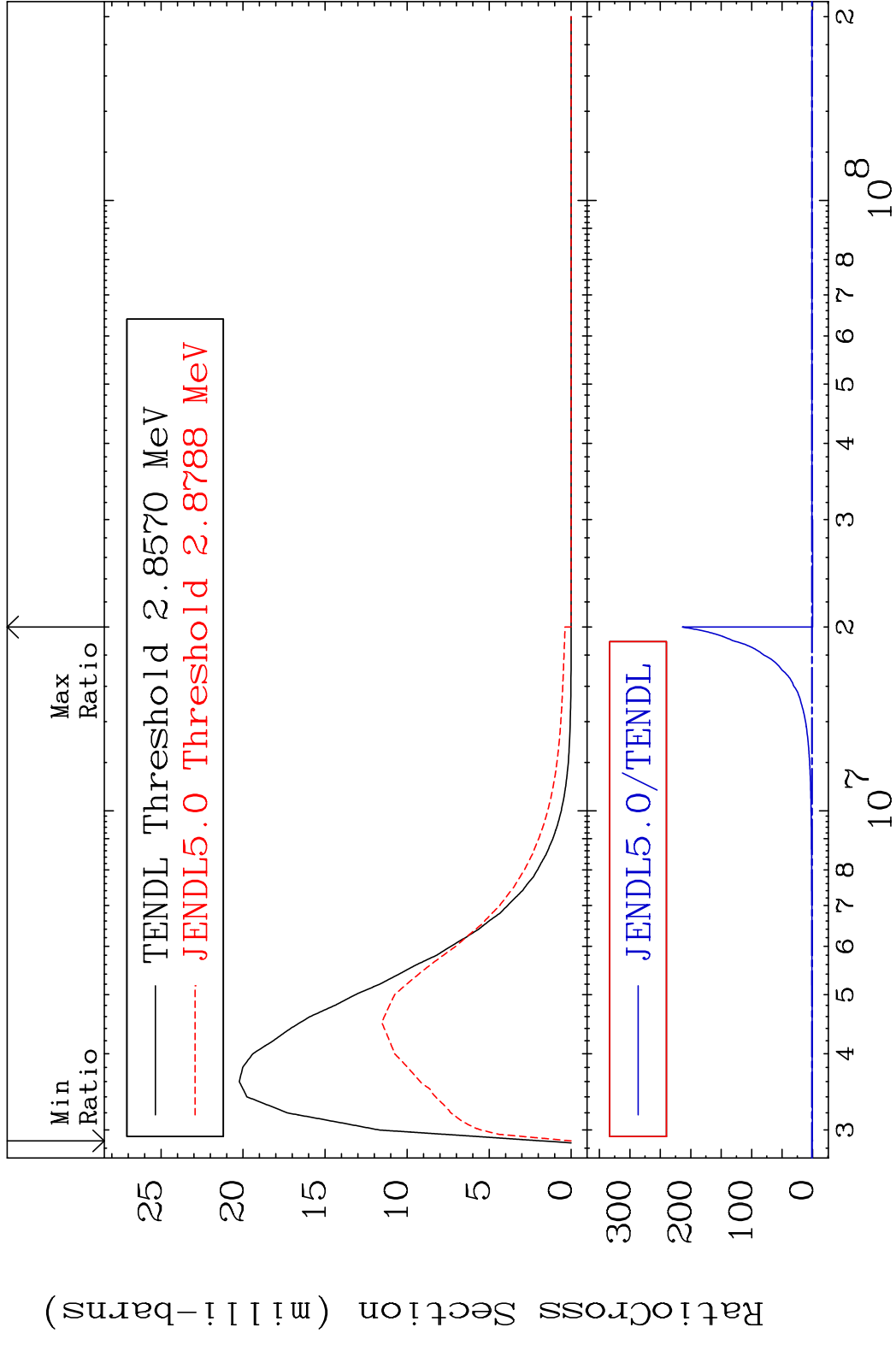


MAT 1928 MT= 72 (n,n') Level 19-K -40  
 Cross Section -100.0 To 741.0 %



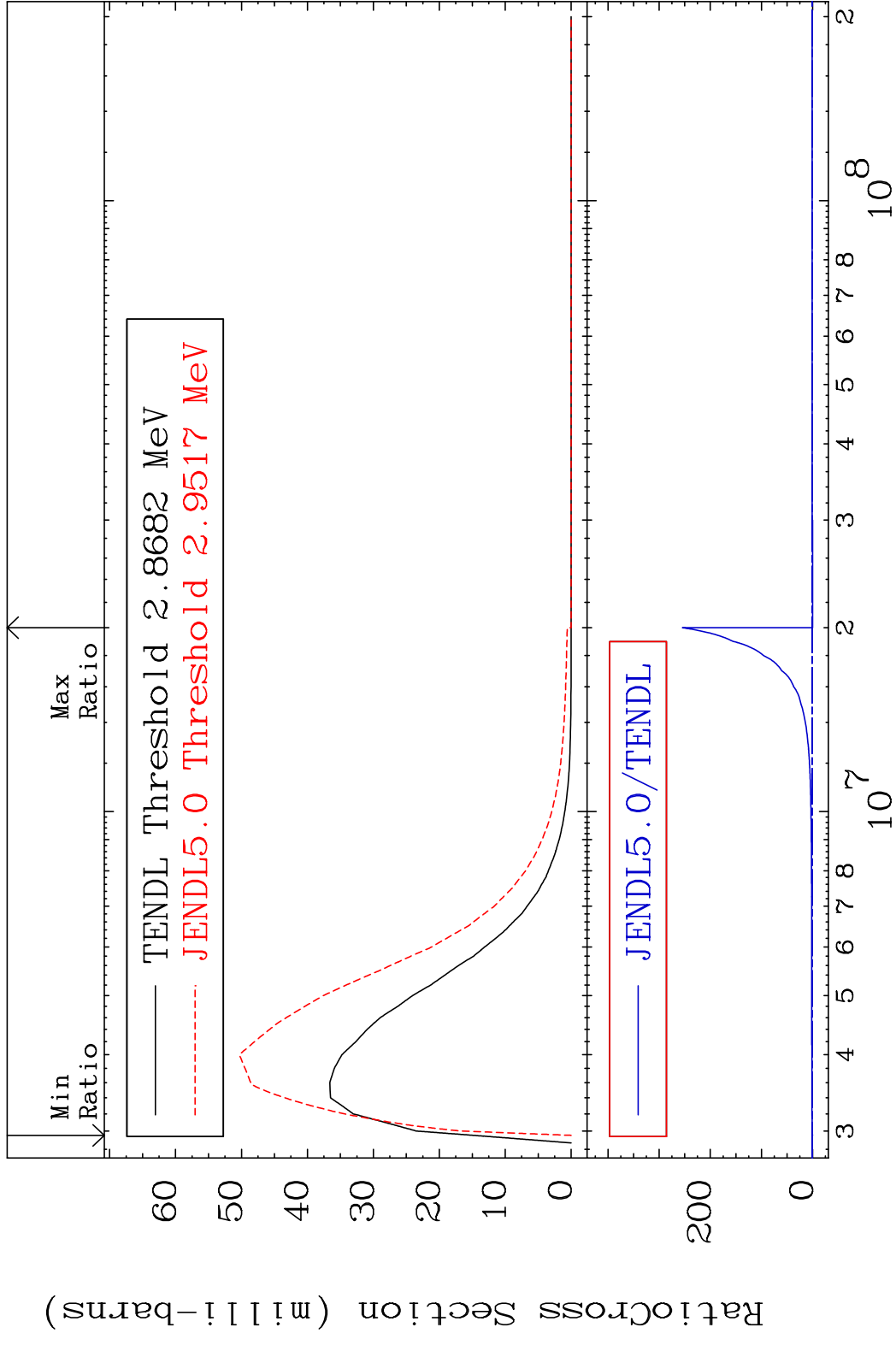
34 19-K -40

MAT 1928 MT= 73 (n, n') Level 19-K -40  
 Cross Section -100.0 To 9999. %

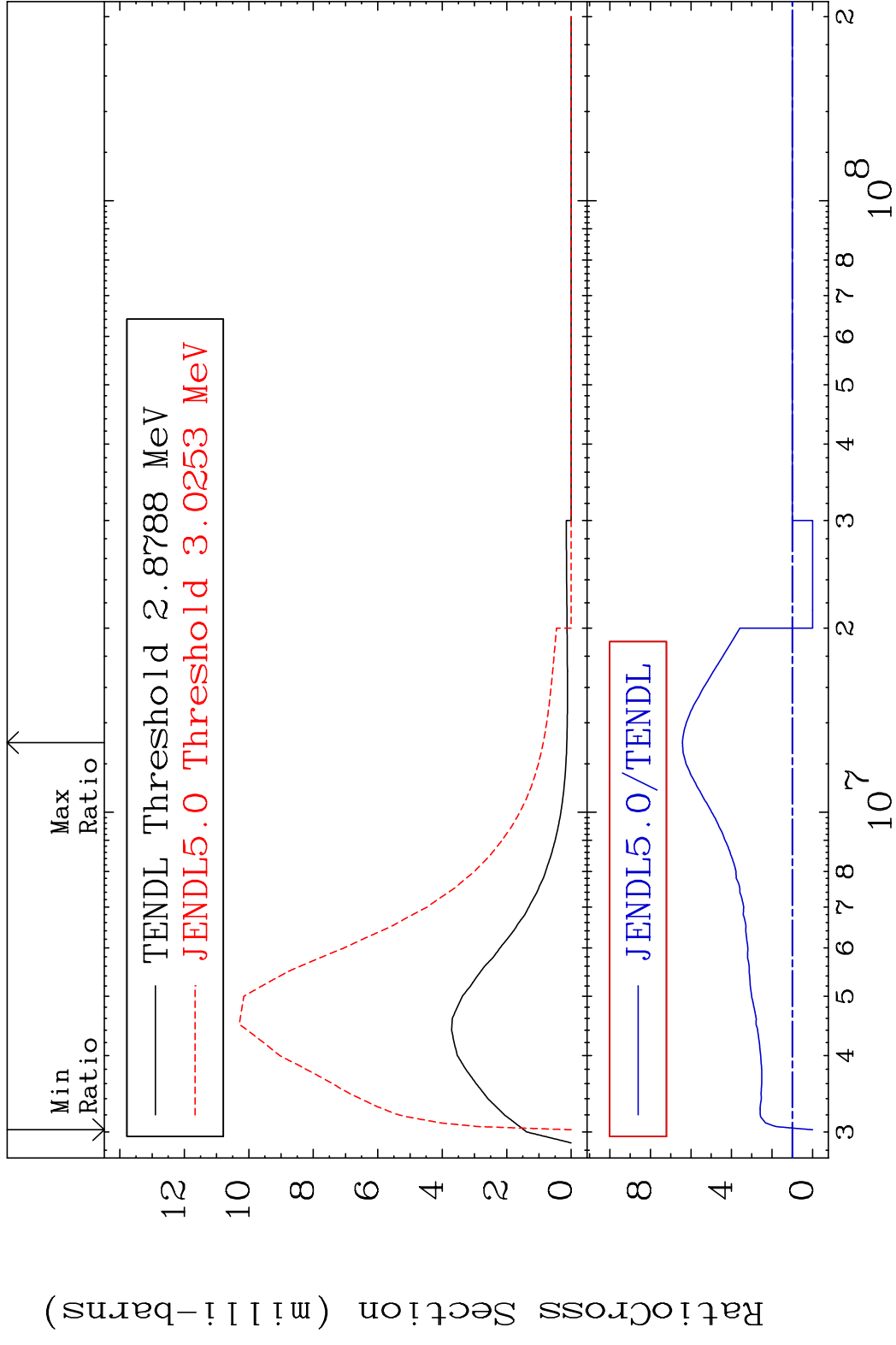


35 Incident Energy (eV) 19-K -40

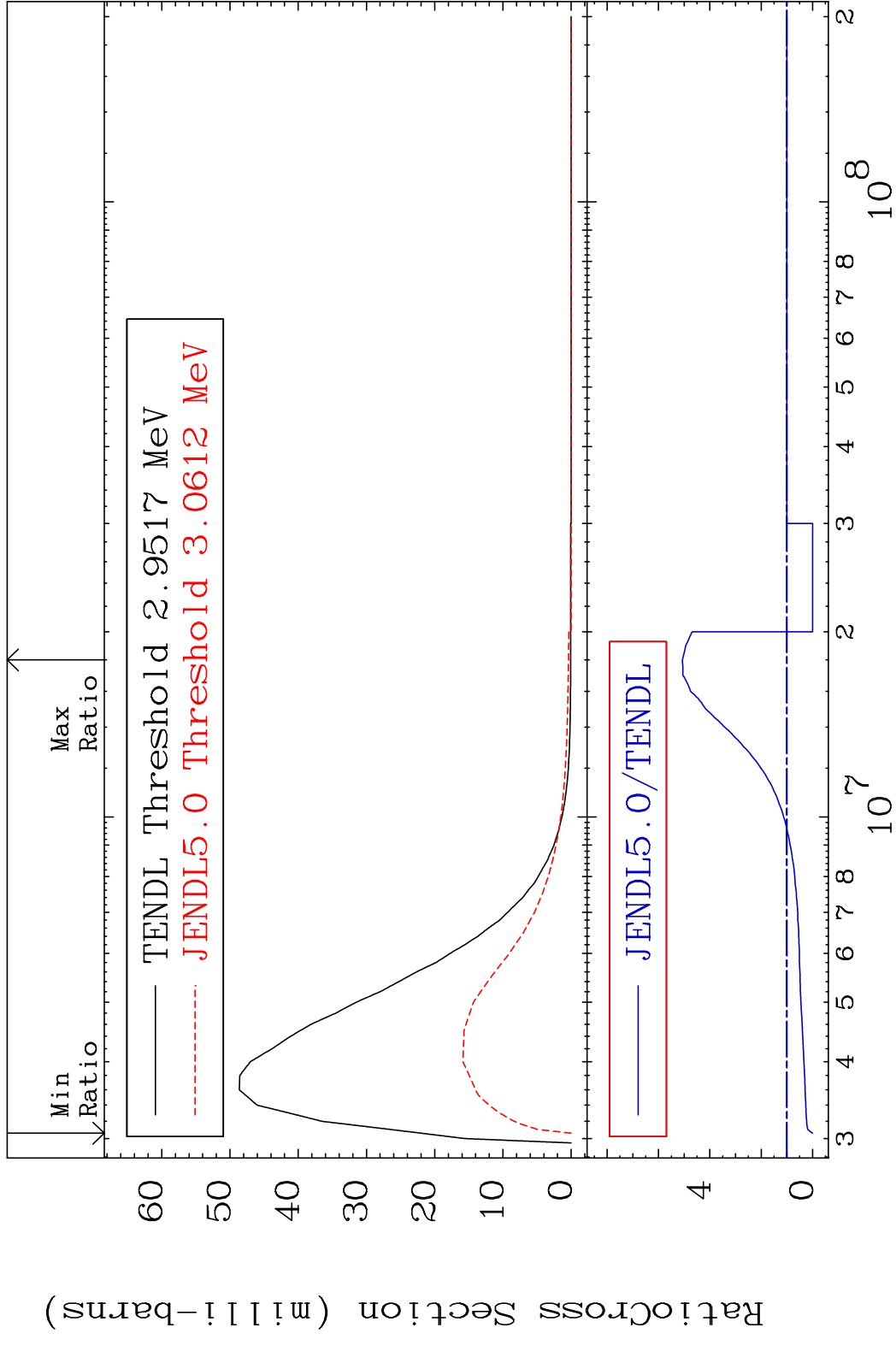
MAT 1928 MT= 74 (n,n') Level 19-K -40  
 Cross Section -100.0 To 9999. %



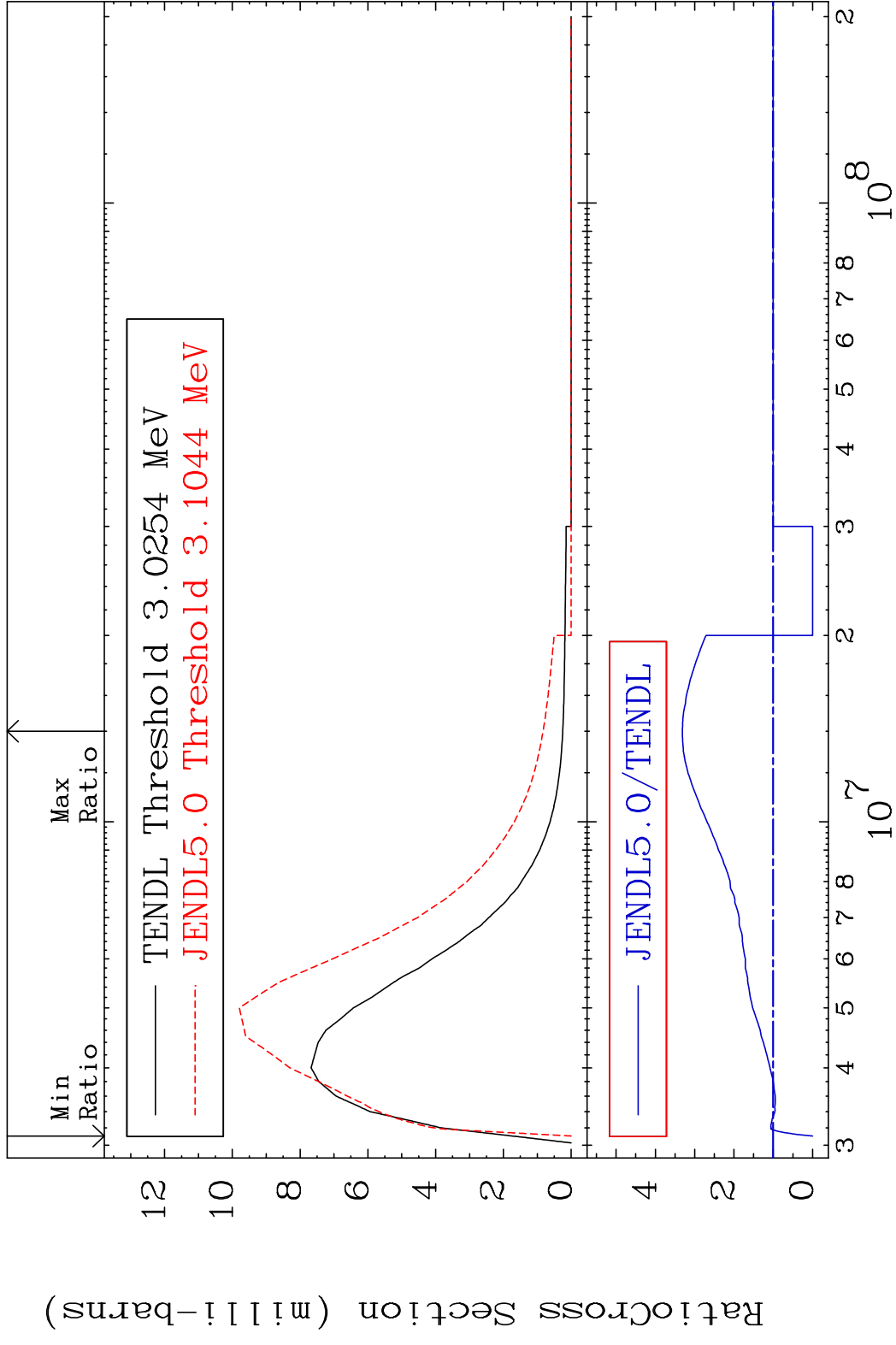
MAT 1928 MT= 75 (n,n') Level 19-K -40  
 Cross Section -100.0 To 542.5 %



MAT 1928 MT= 76 (n, n') Level 19-K -40  
 Cross Section -100.0 To 407.1 %

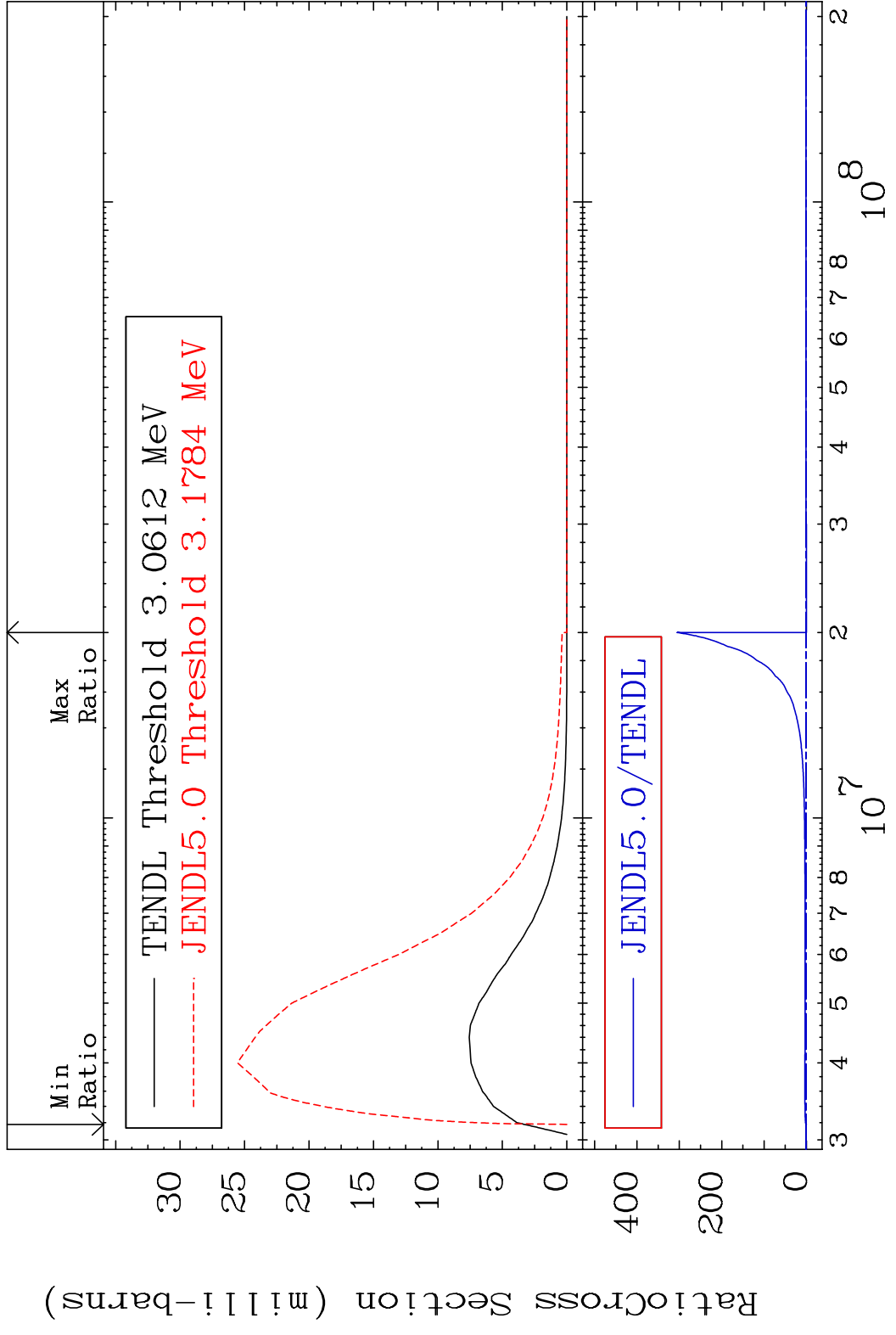


MAT 1928 MT= 77 (n, n') Level 19-K -40  
 Cross Section -100.0 To 231.3 %



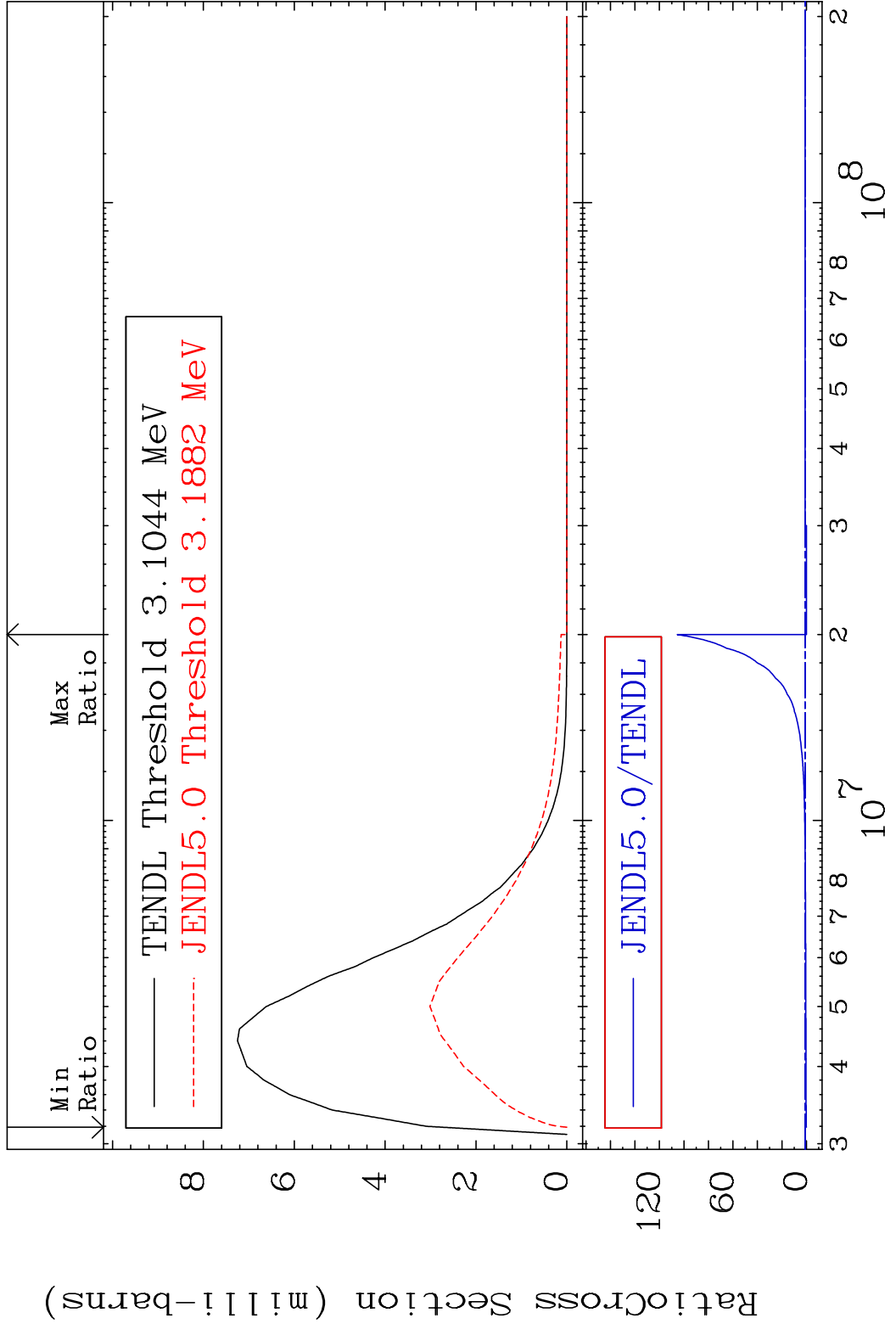
39 Incident Energy (eV) 19-K -40

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

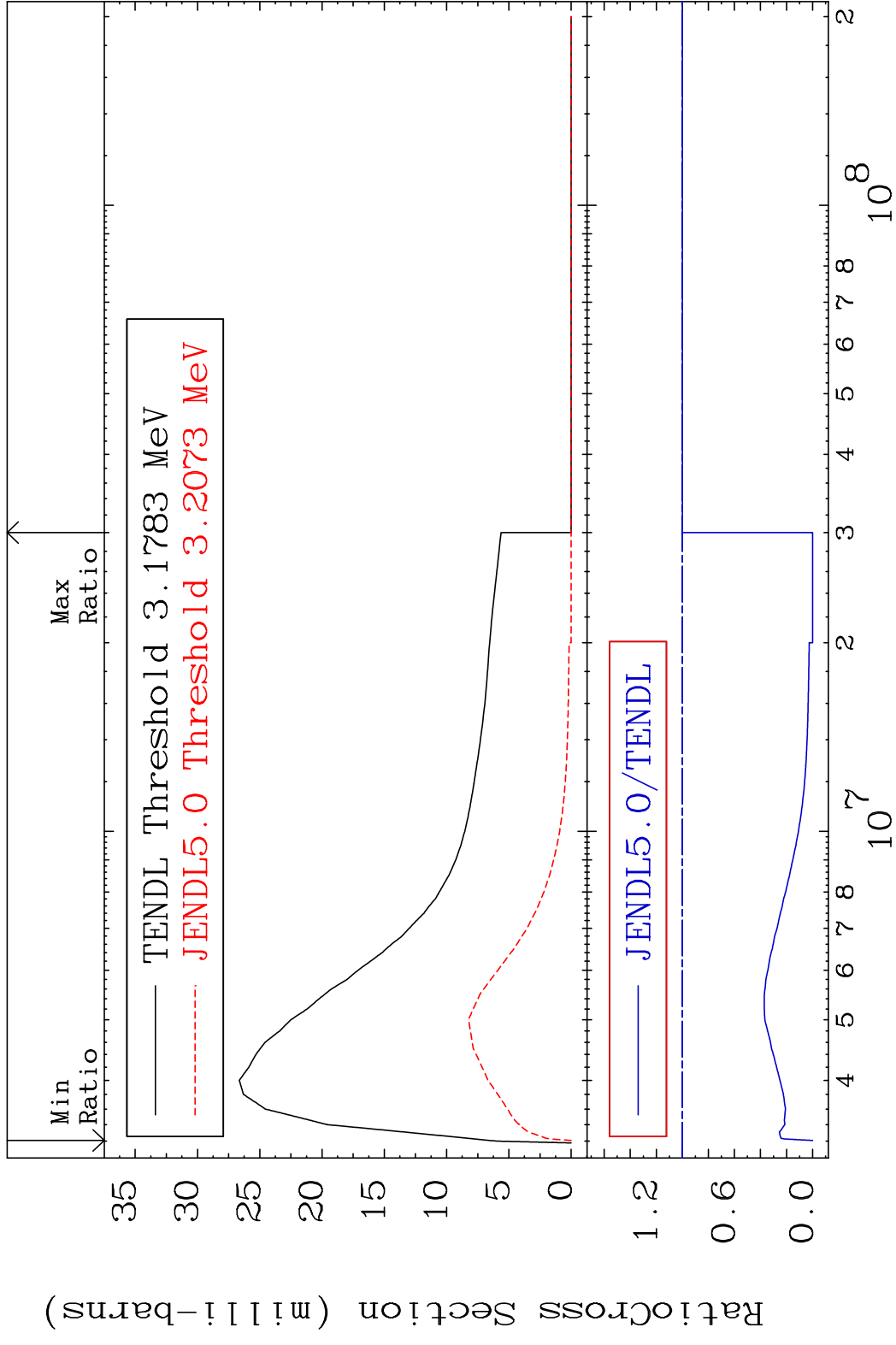


40 19-K -40

MAT 1928 MT= 79 (n,n') Level 19-K -40  
 Cross Section -100.0 To 9999. %



MAT 1928 MT= 80 (n, n') Level 19-K -40  
 Cross Section -100.0 To 0.000 %

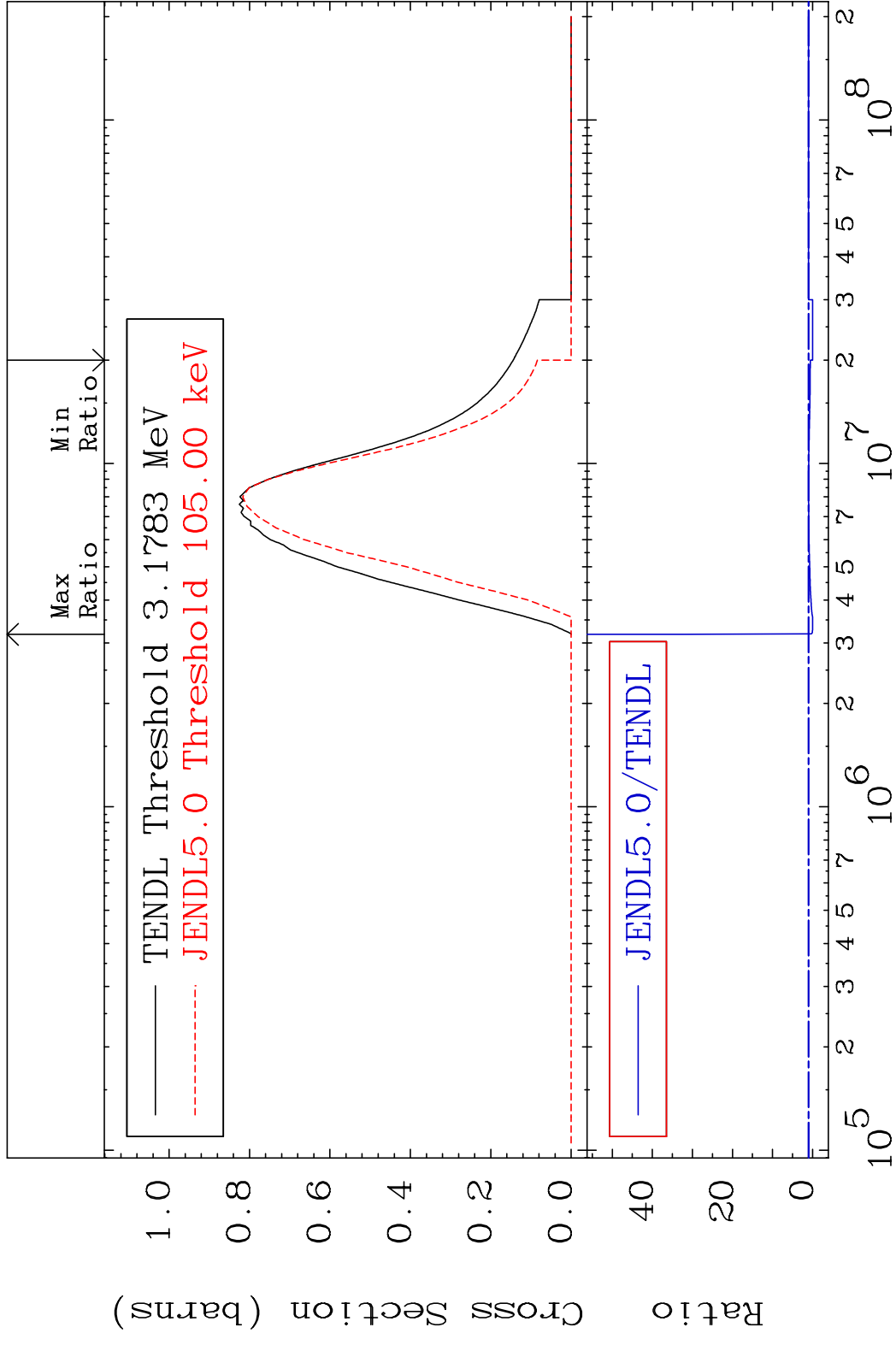


MAT 1928

(n, n') Continuum

19-K -40

Cross Section -100.0 To 3151. %



43

Incident Energy (eV)

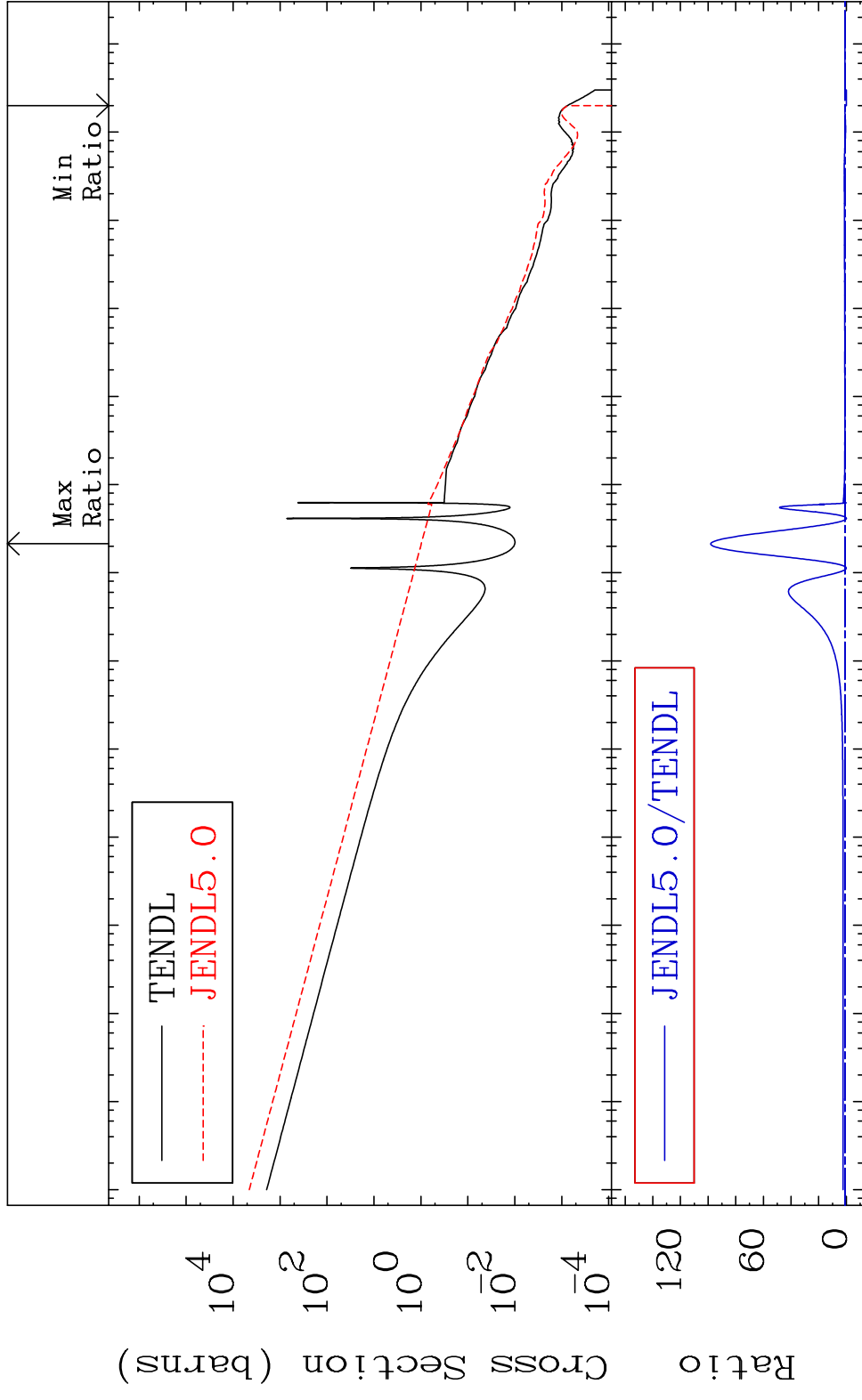
19-K -40

MAT 1928

(n,  $\gamma$ )

19-K -40

Cross Section -100.0 To 9710. %



44

Incident Energy (eV)

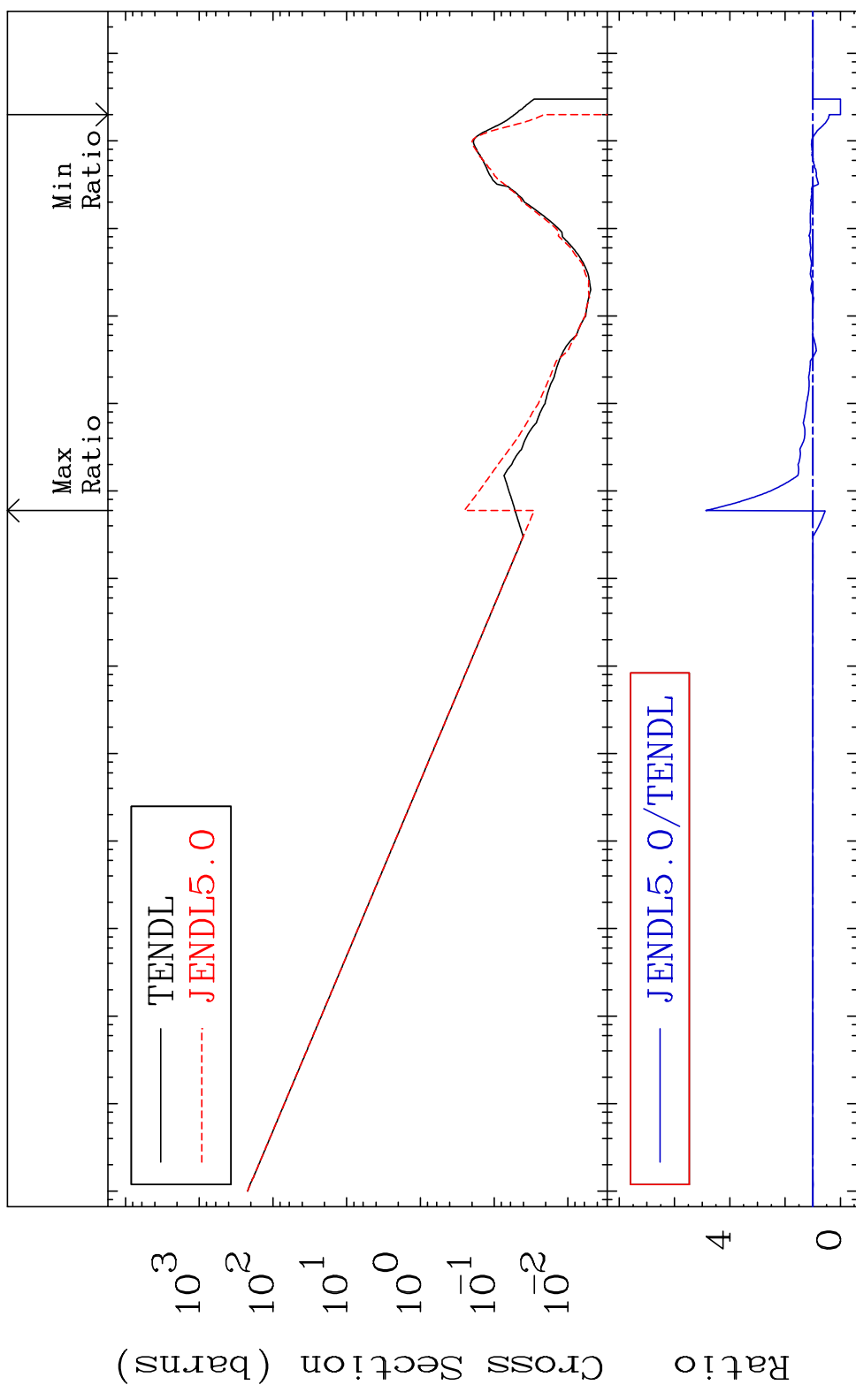
19-K -40

MAT 1928

(n,p)

19-K -40

Cross Section -100.0 To 387.0 %



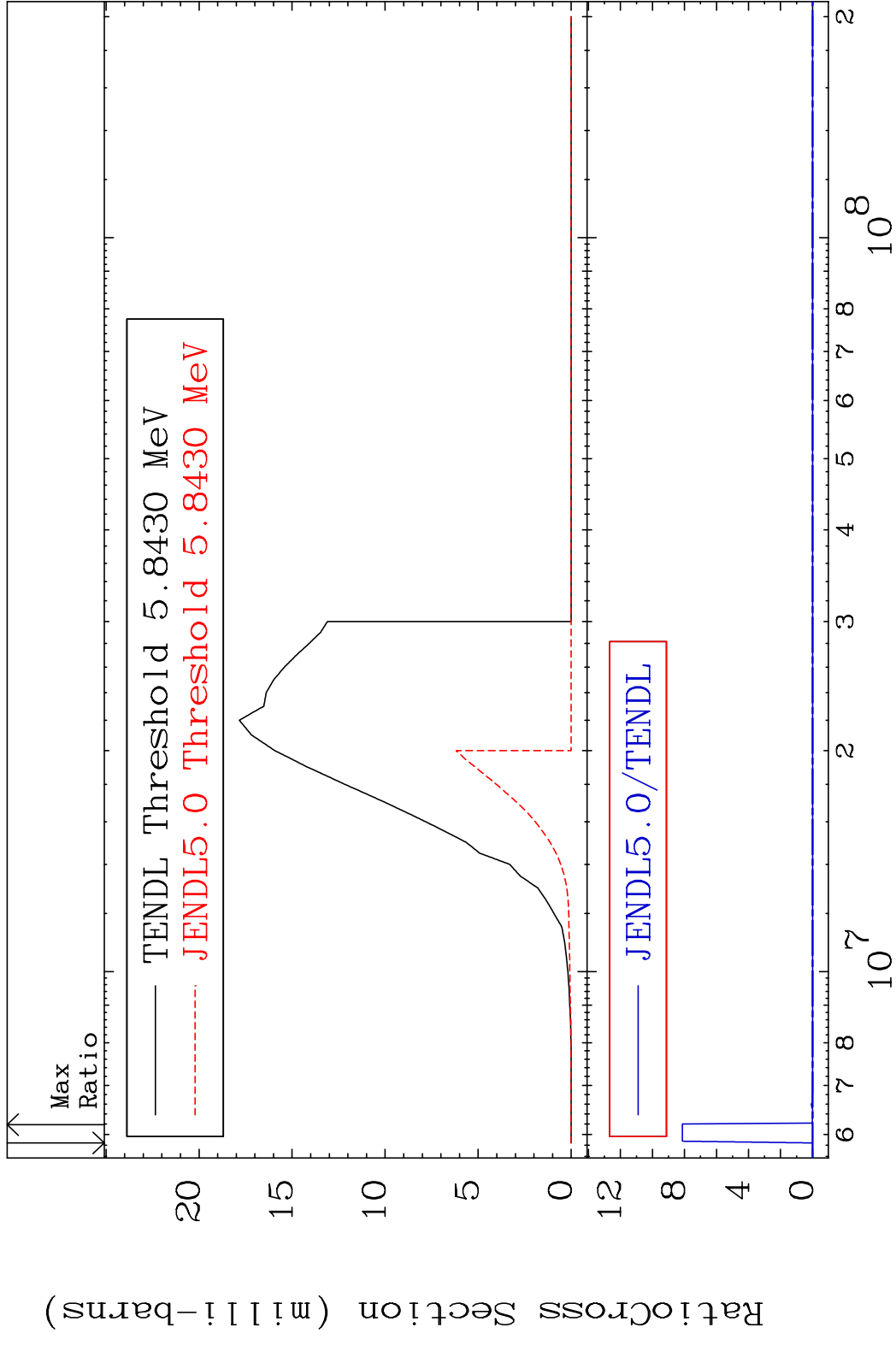
45

Incident Energy (eV)

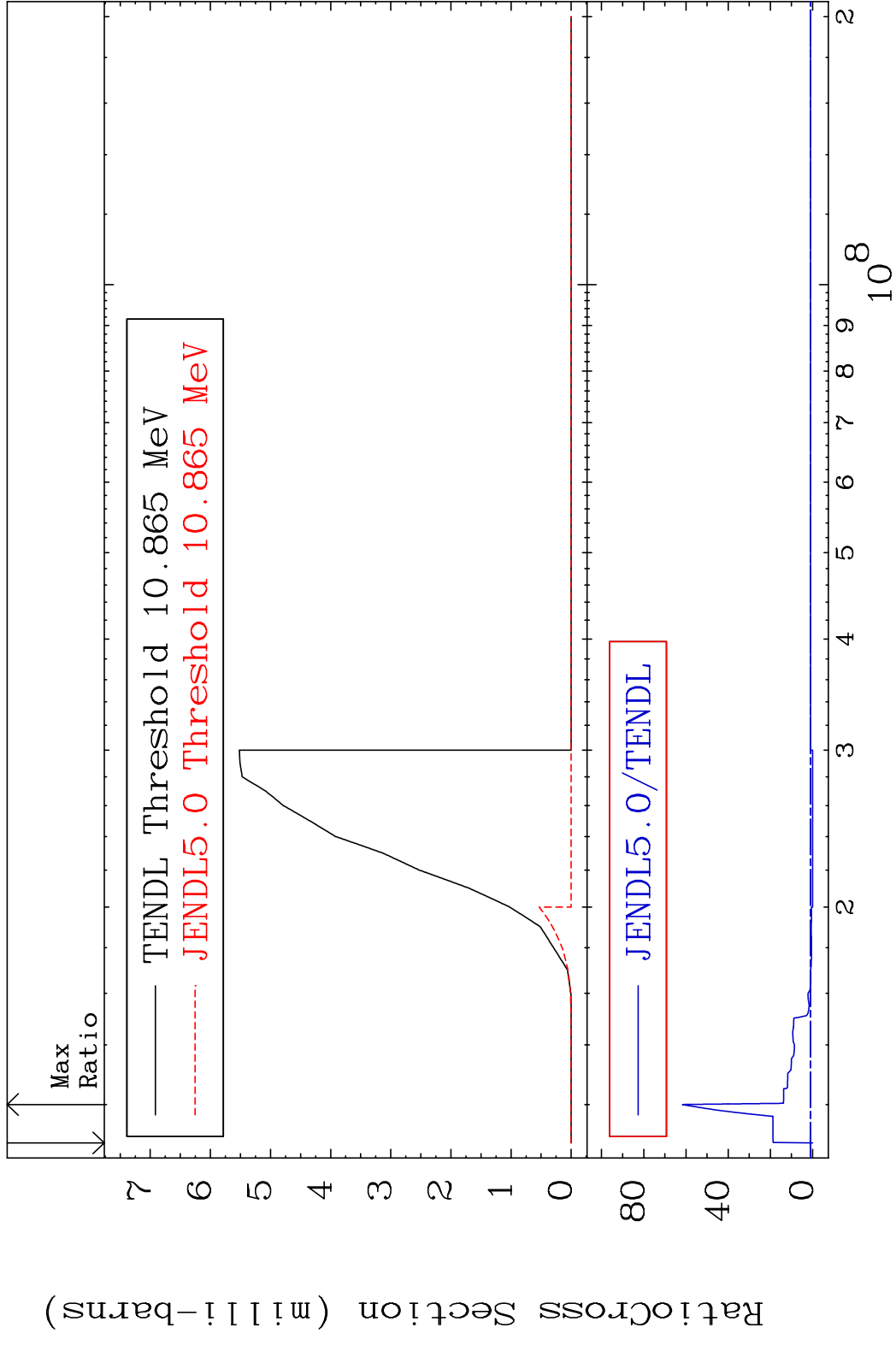
19-K -40



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 6070. %

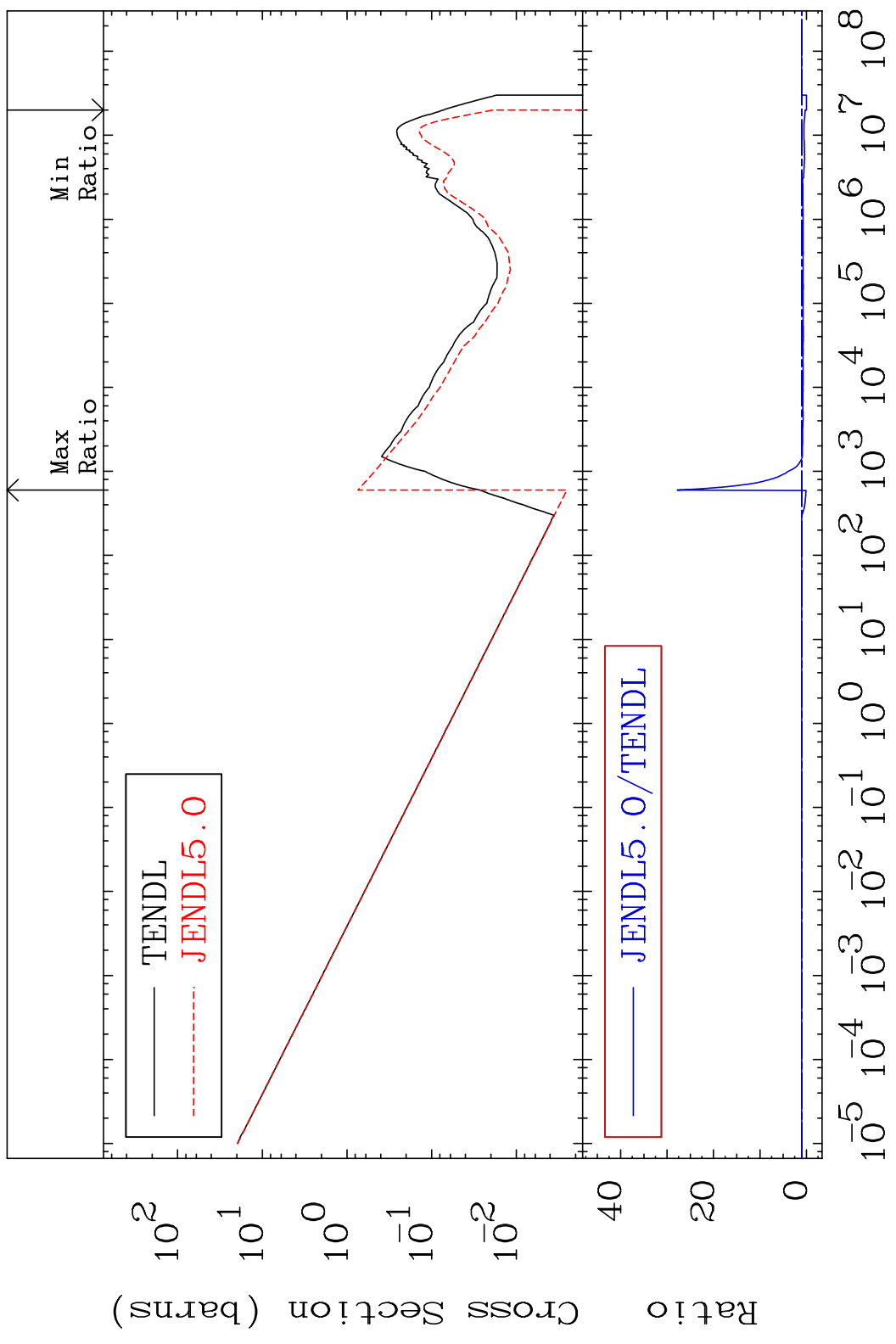


MAT 1928

(n,  $\alpha$ )

19-K -40

Cross Section -100.0 To 2682. %



49

Incident Energy (eV)

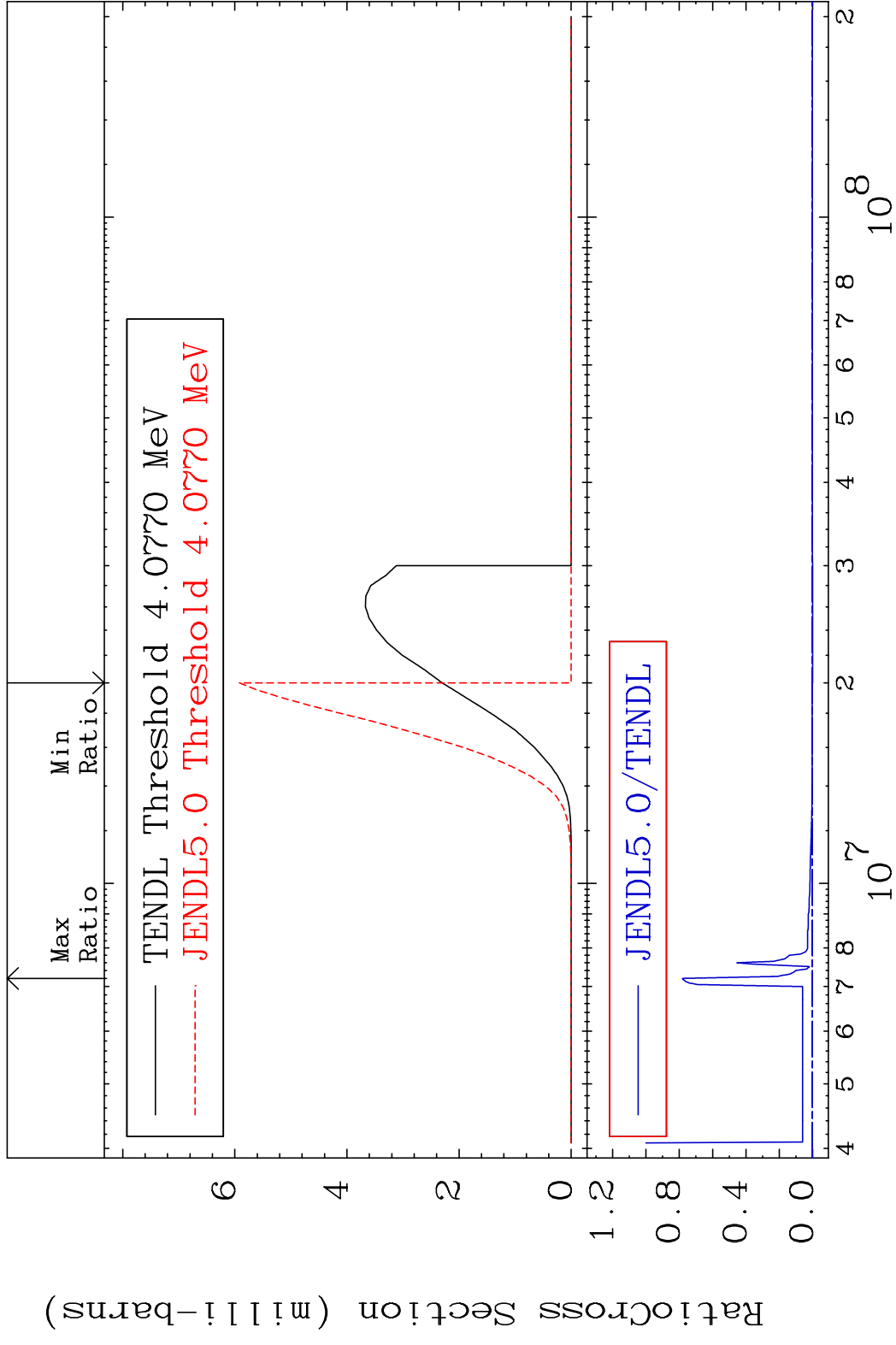
19-K -40

MAT 1928

(n,2α)

19-K -40

Cross Section -100.0 To 9999. %

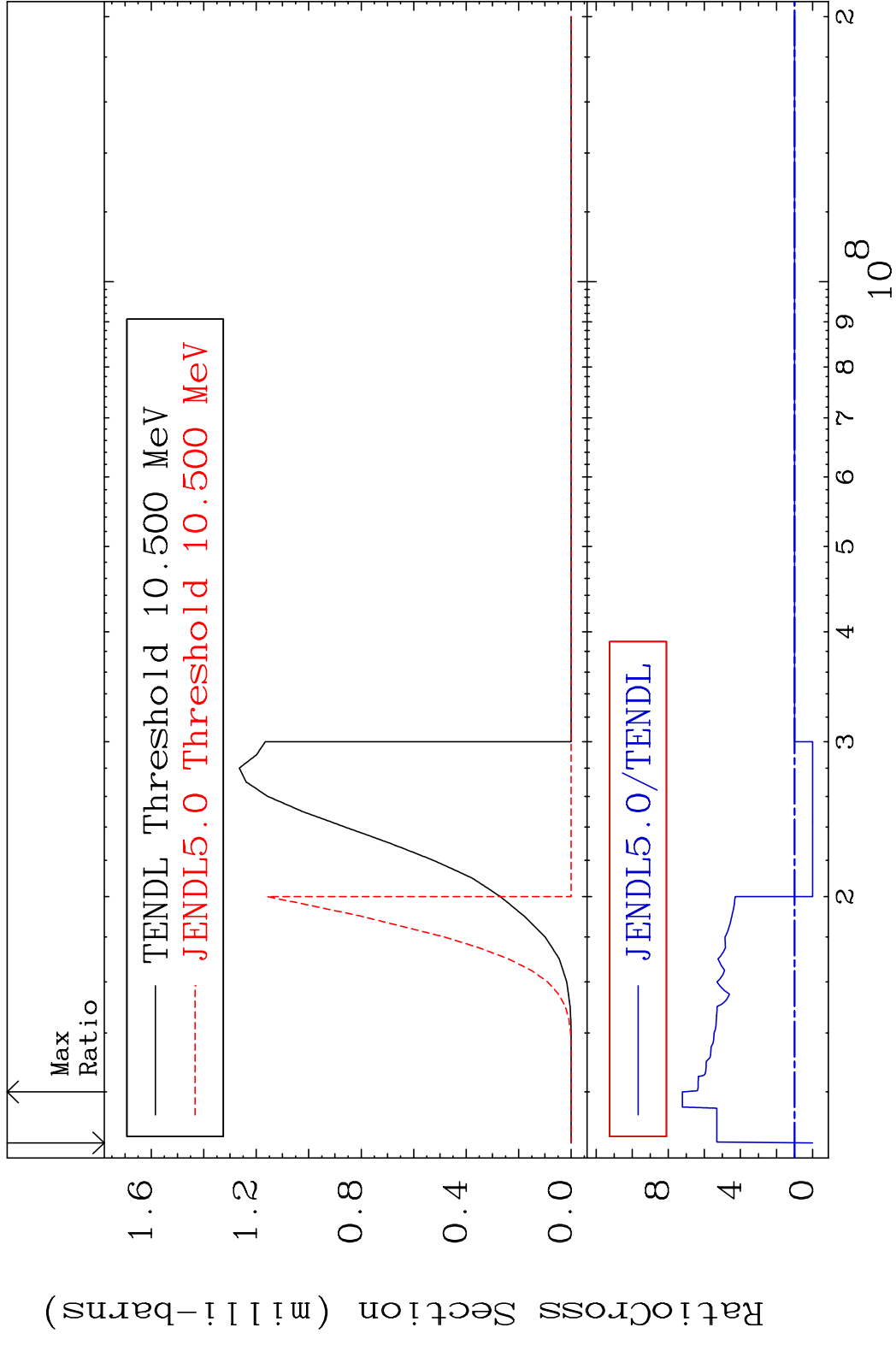


50

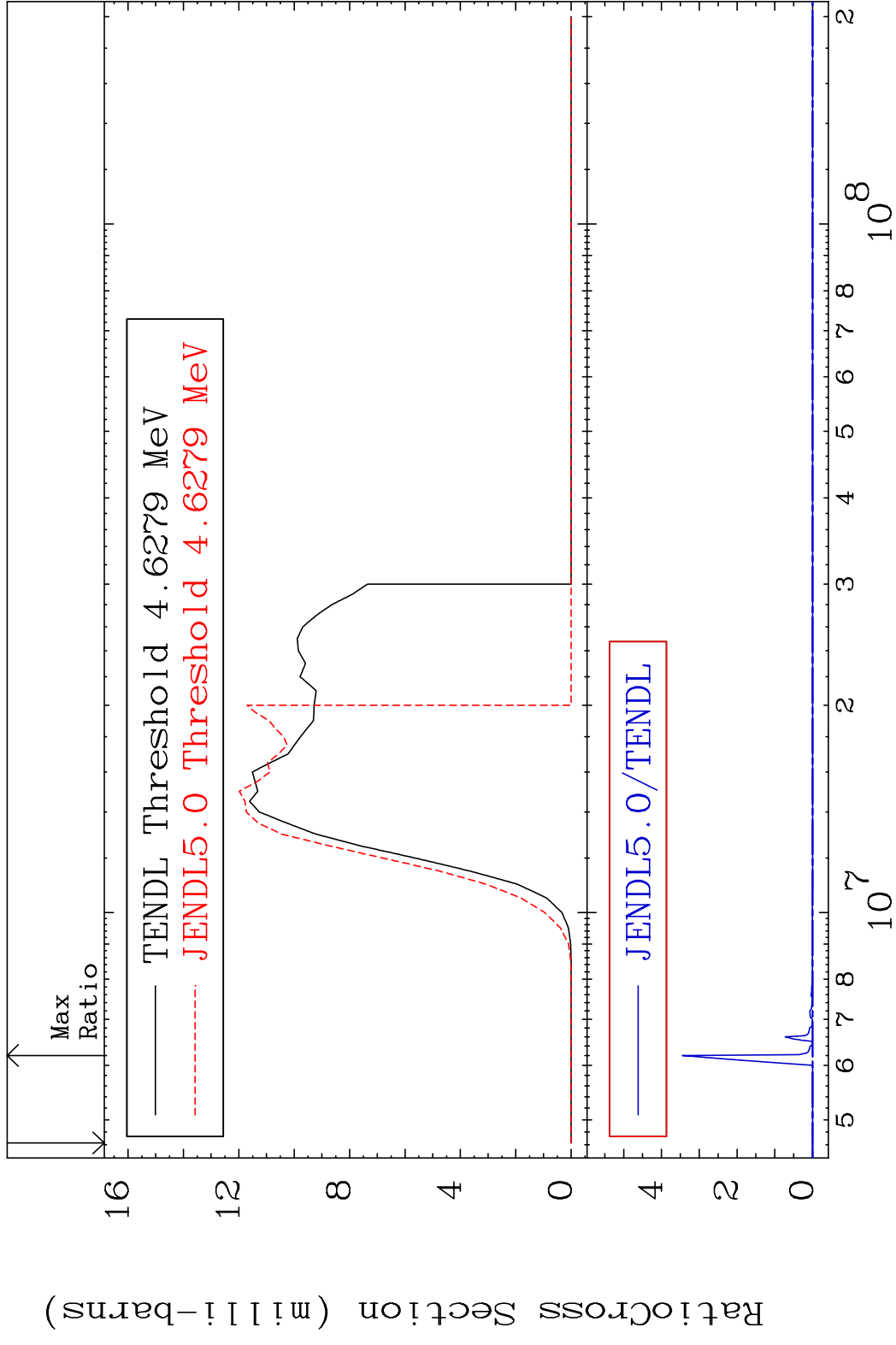
Incident Energy (eV)

19-K -40

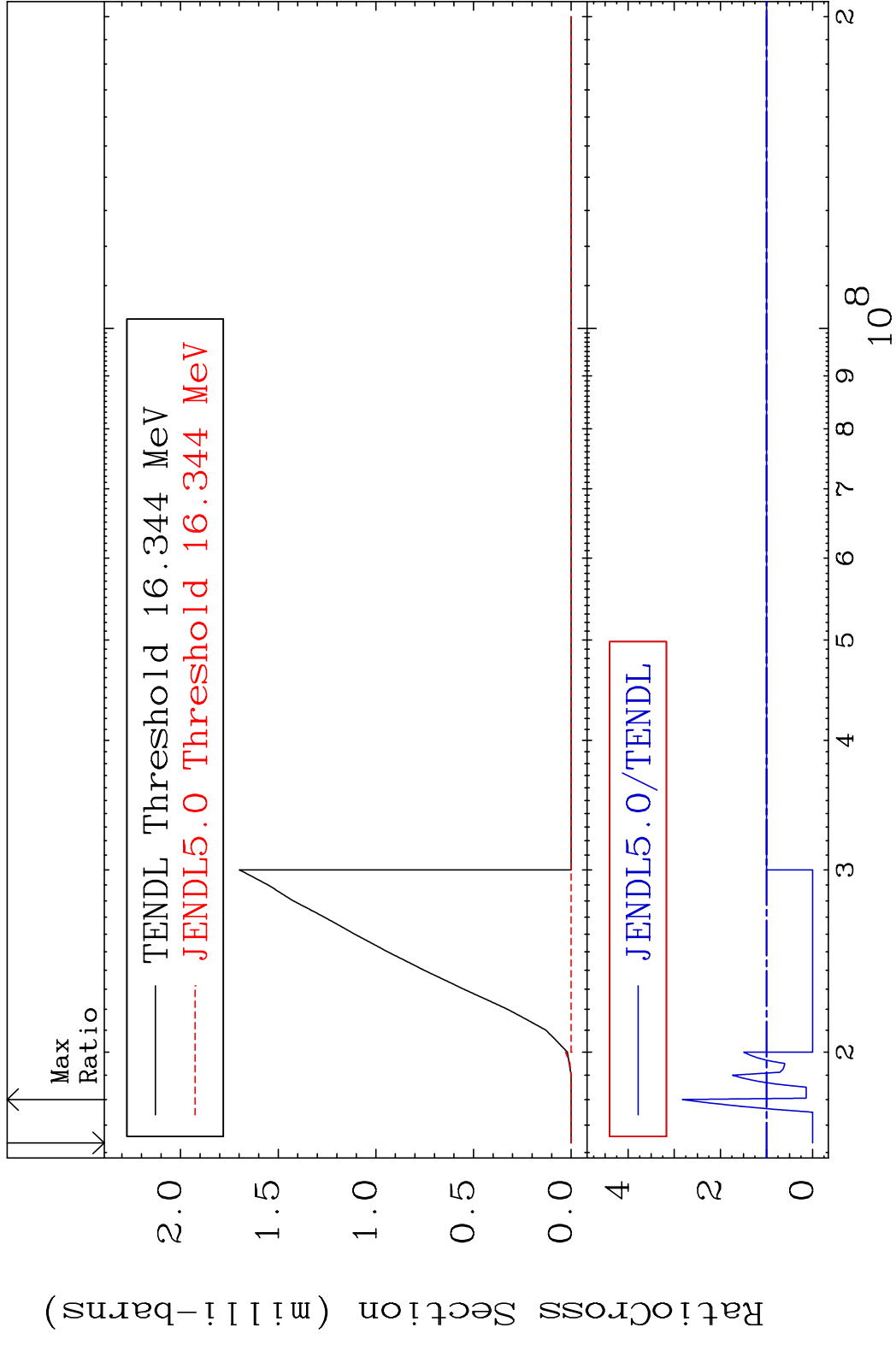
MAT 1928 (n,2p) 19-K -40  
 Cross Section -100.0 To 622.0 %



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



MAT 1928 (n,p) t 19-K -40  
 Cross Section -100.0 To 182.5 %

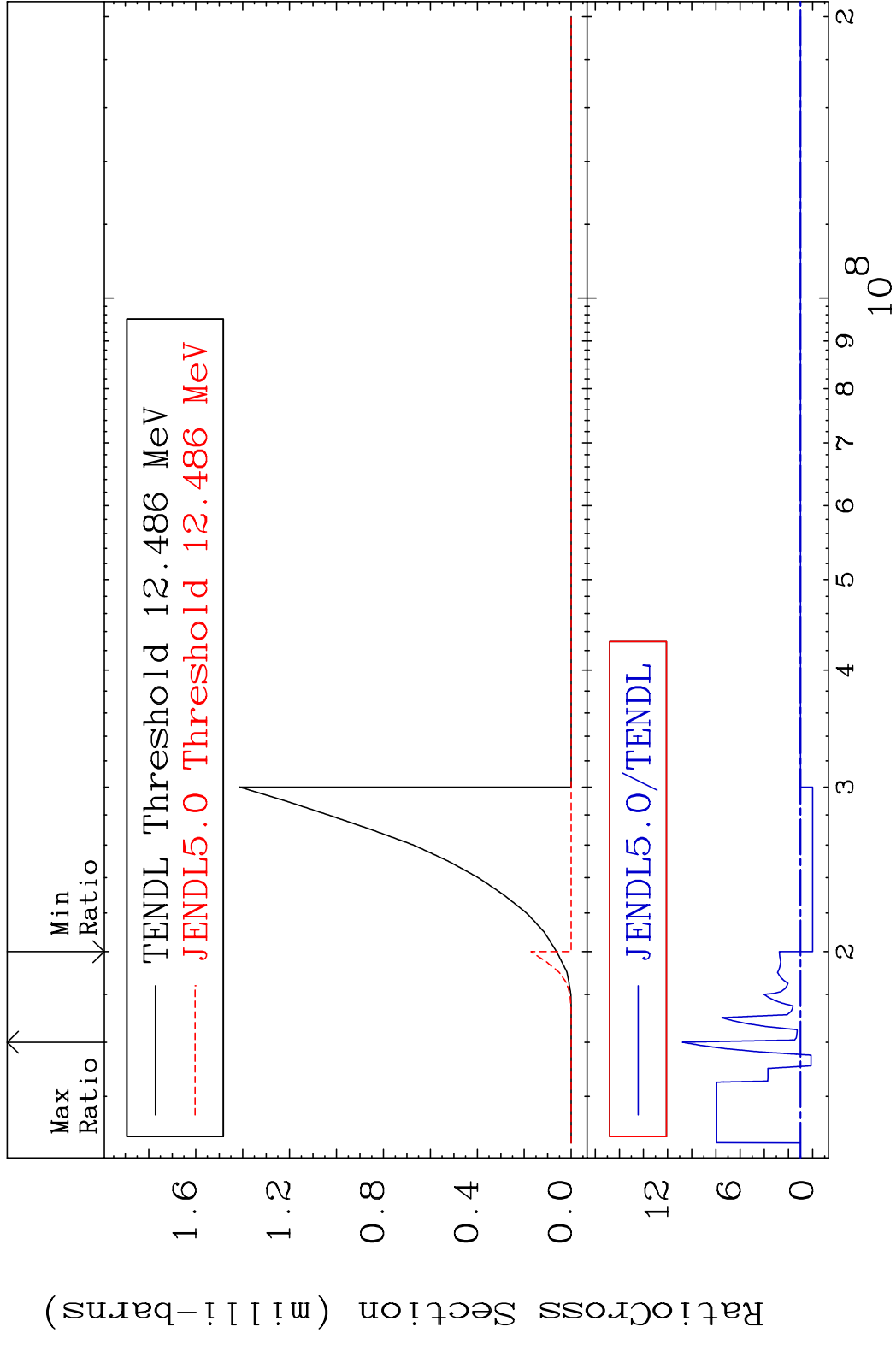


MAT 1928

(n,d)  $\alpha$

19-K -40

Cross Section -100.0 To 978.2 %

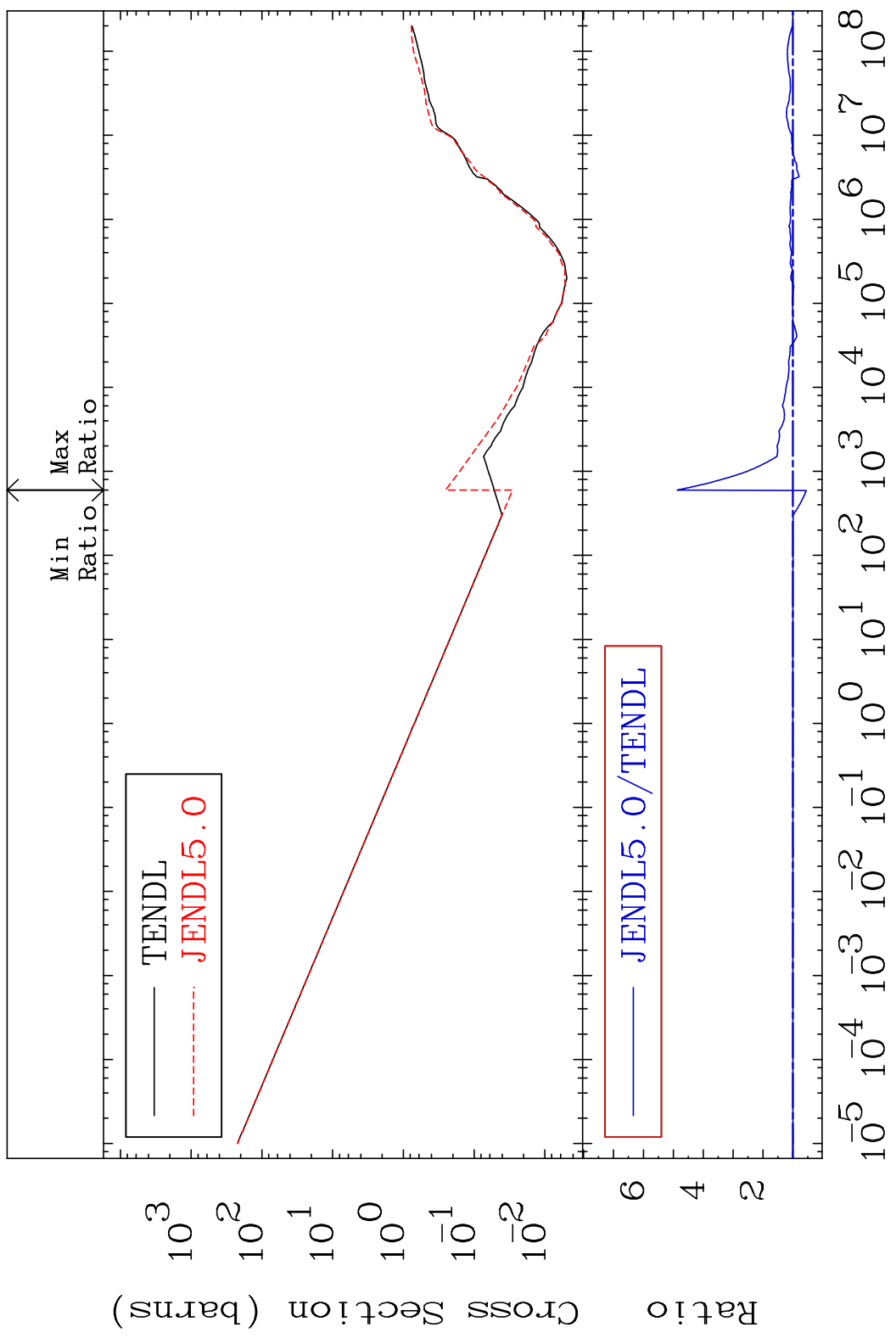


MAT 1928

Hydrogen Production

19-K -40

Cross Section -45.05 To 387.0 %

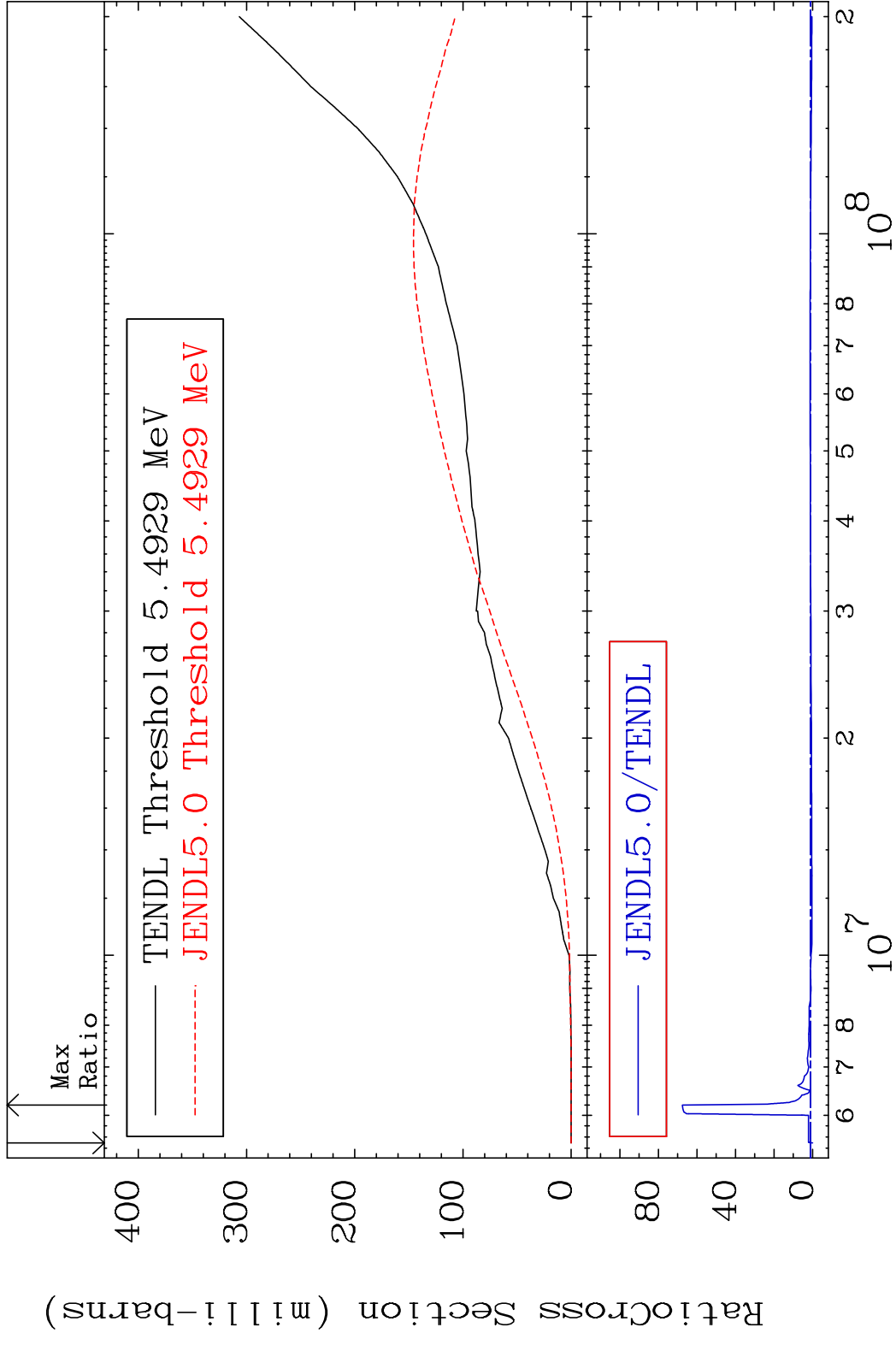


55

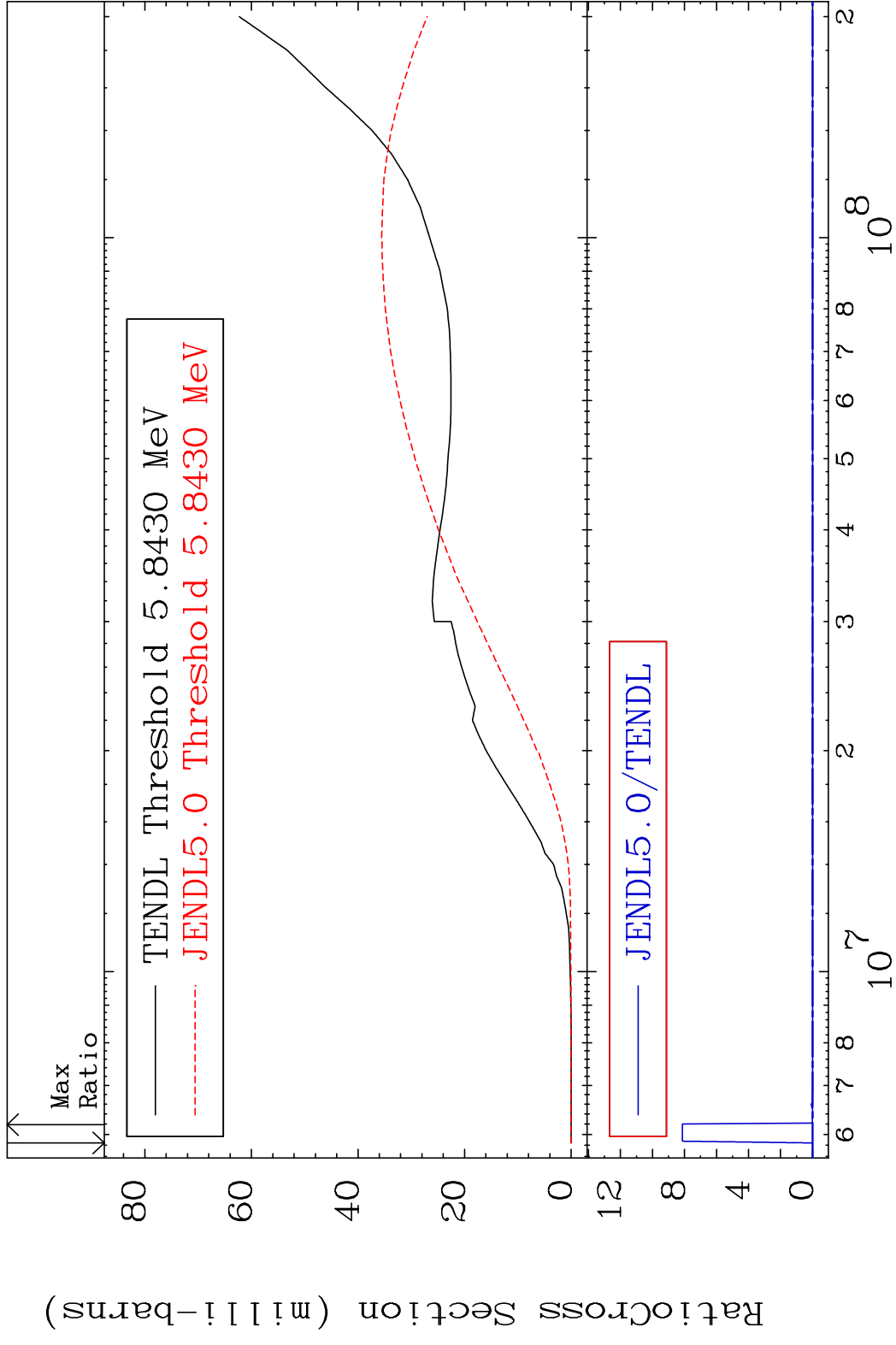
Incident Energy (eV)

19-K -40

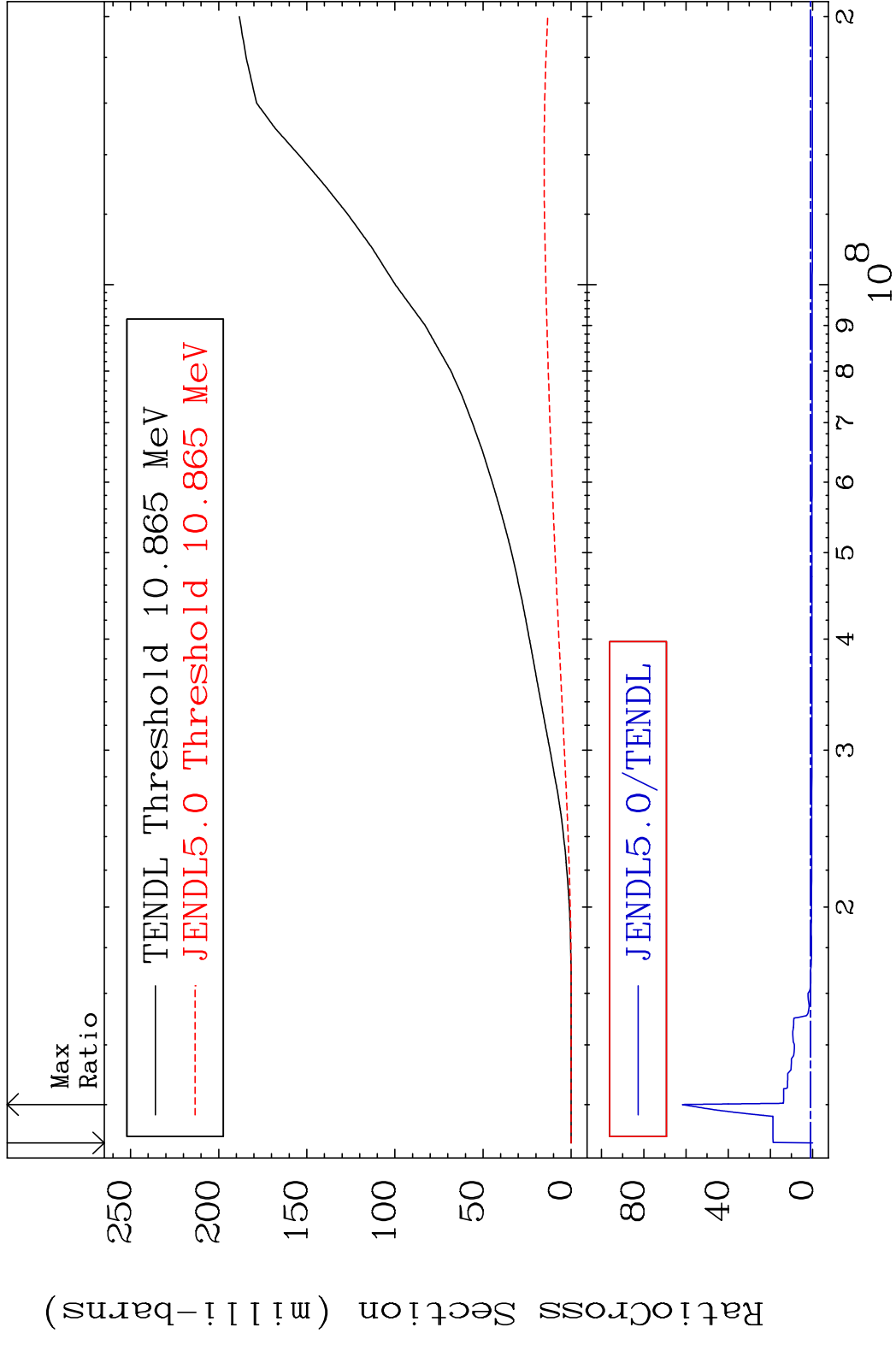
MAT 1928 Deuterium Production 19-K -40  
 Cross Section -100.0 To 6655. %



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



MAT 1928 He-3 Production 19-K -40  
 Cross Section -100.0 To 6070. %



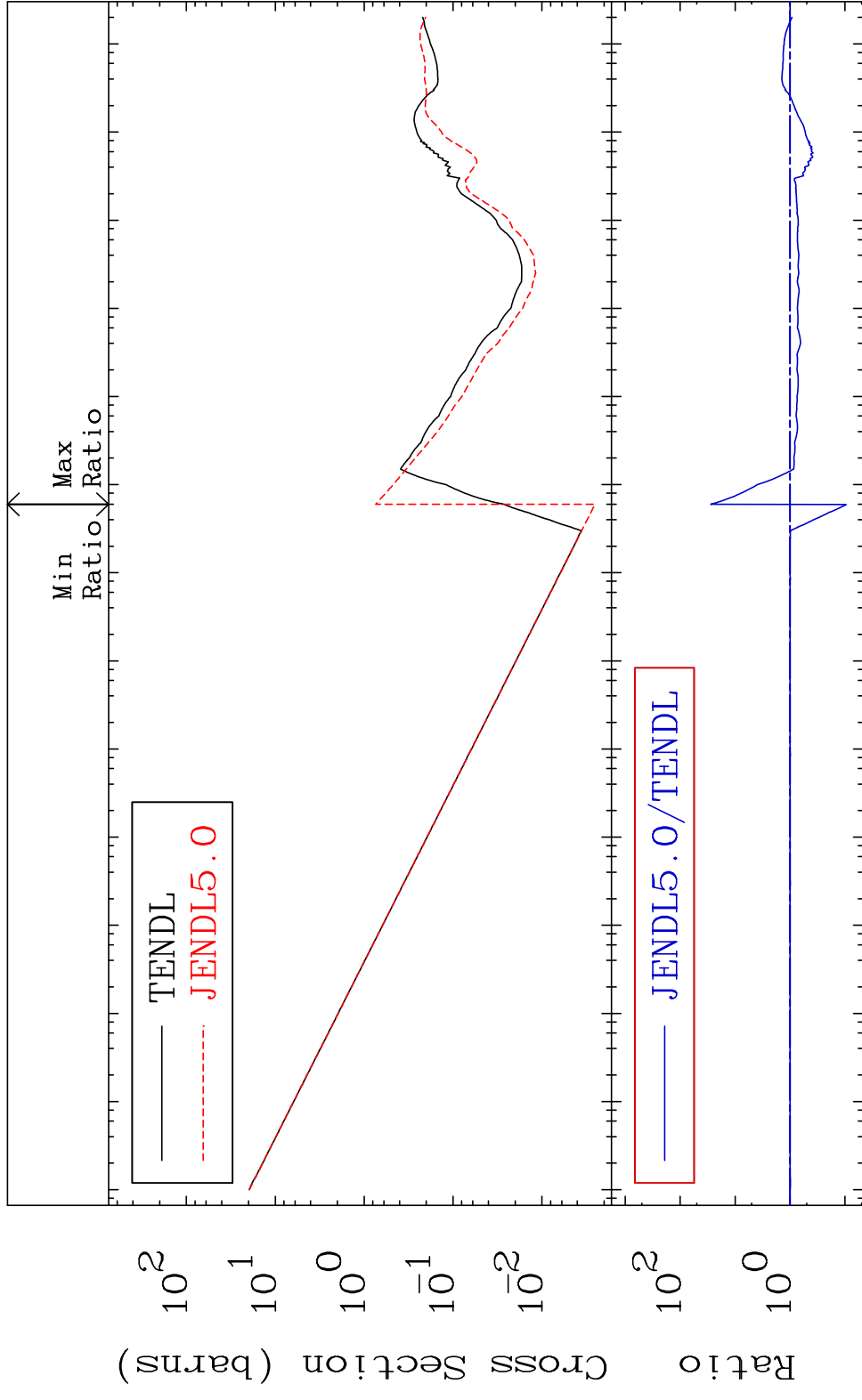
58 Incident Energy (eV) 19-K -40

MAT 1928

He-4 Production

19-K -40

Cross Section -90.52 To 2682. %



10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

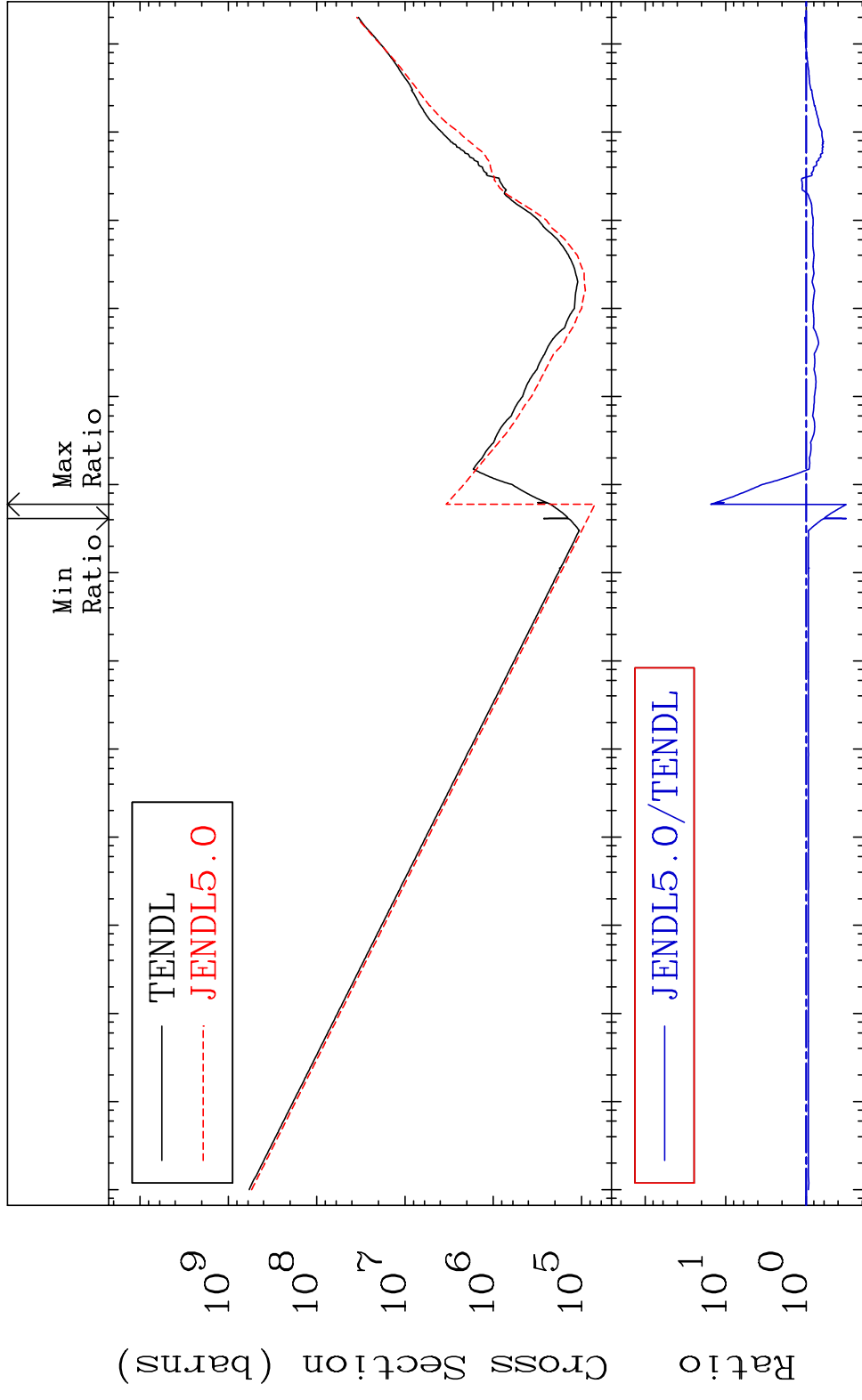
59

Incident Energy (eV)

19-K -40

MAT 1928

Kerma total (eV-barns) 19-K -40  
Cross Section -68.35 To 1436. %

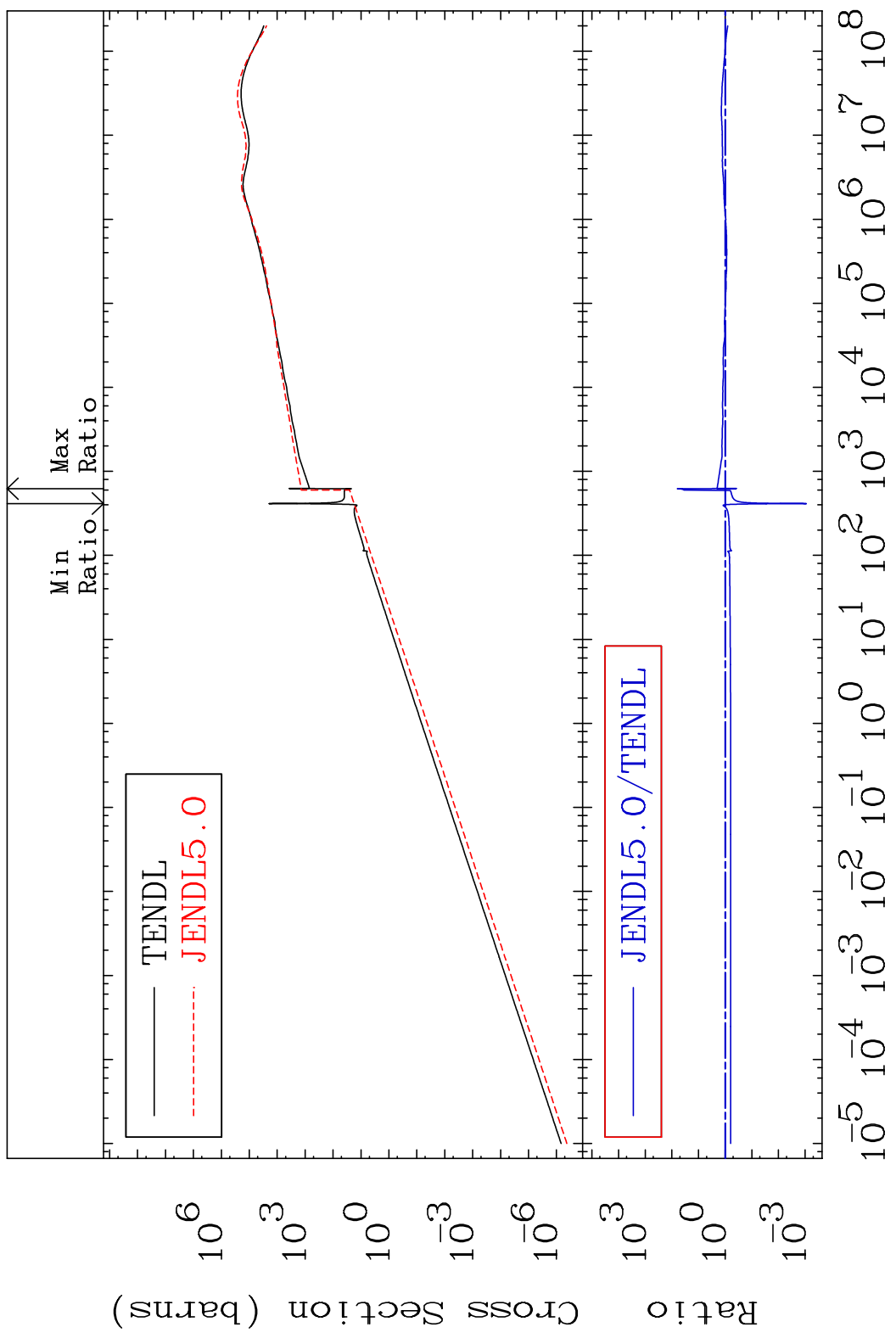


60

Incident Energy (eV) 19-K -40

MAT 1928

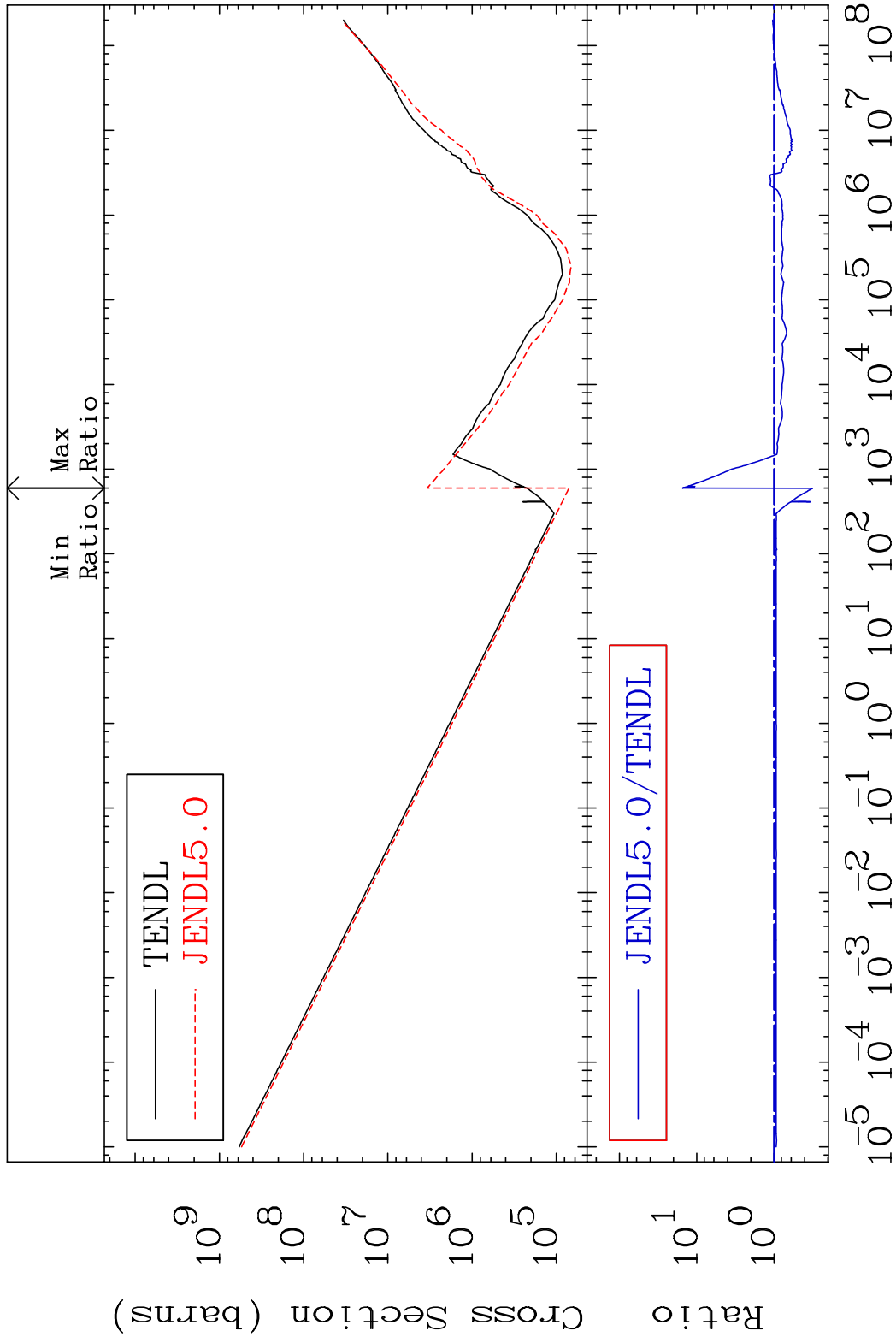
Kerma elastic Cross Section -99.91 To 6215. %  
19-K -40



61

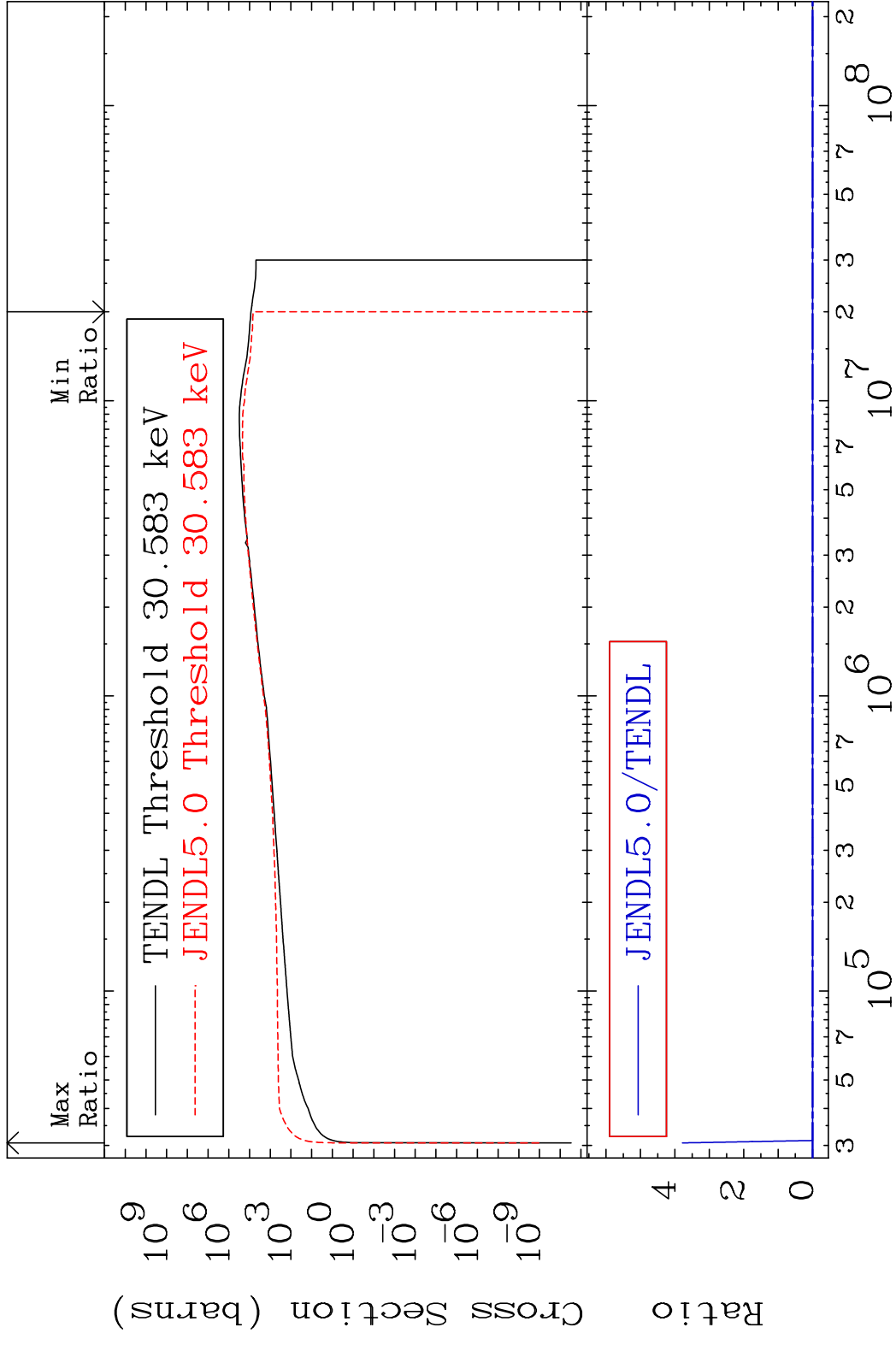
Incident Energy (eV) 19-K -40

MAT 1928 Kerma non-elastic (all but mt2) 19-K -40  
 Cross Section -68.33 To 1435. %

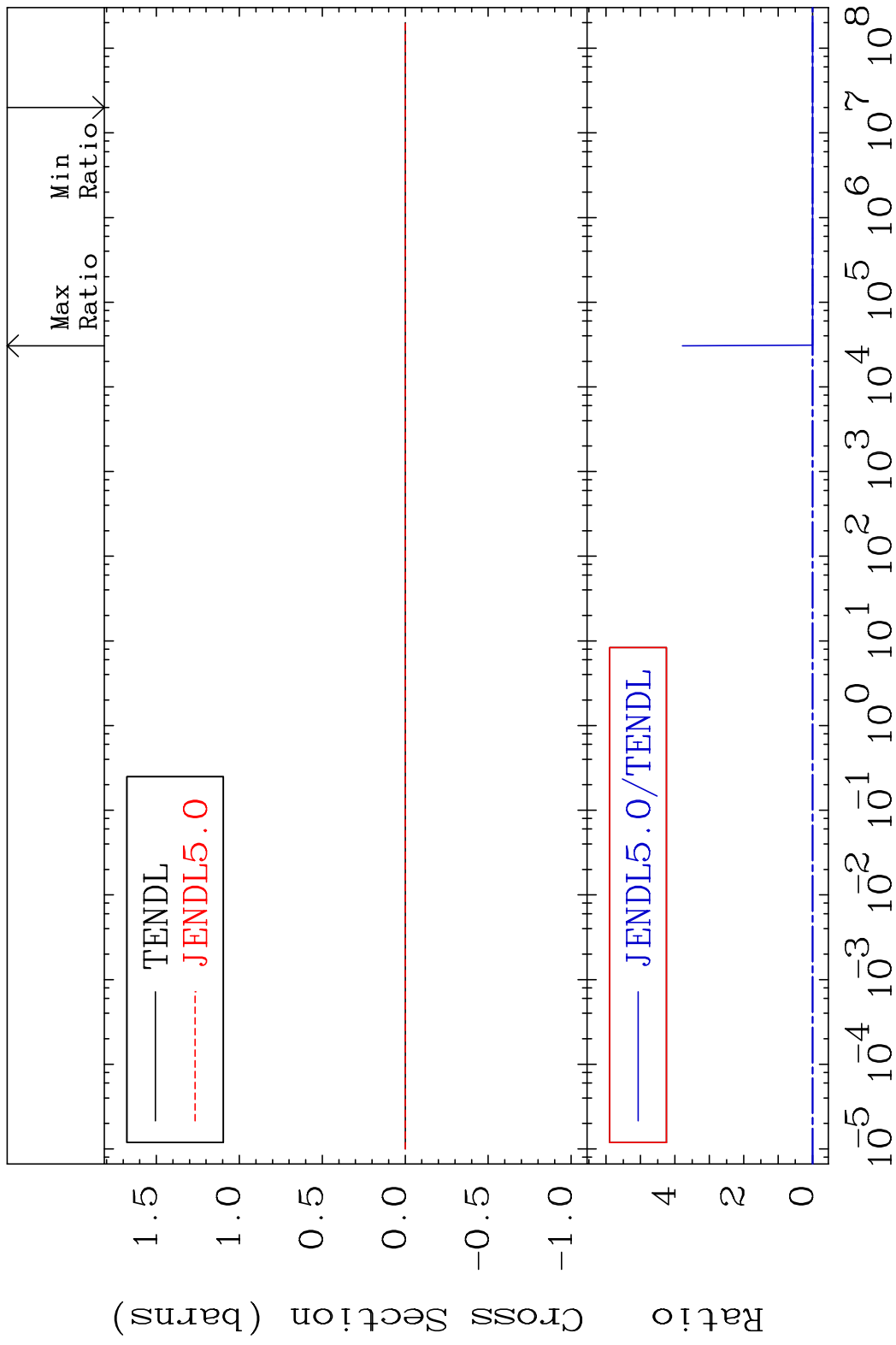


62 Incident Energy (eV) 19-K -40

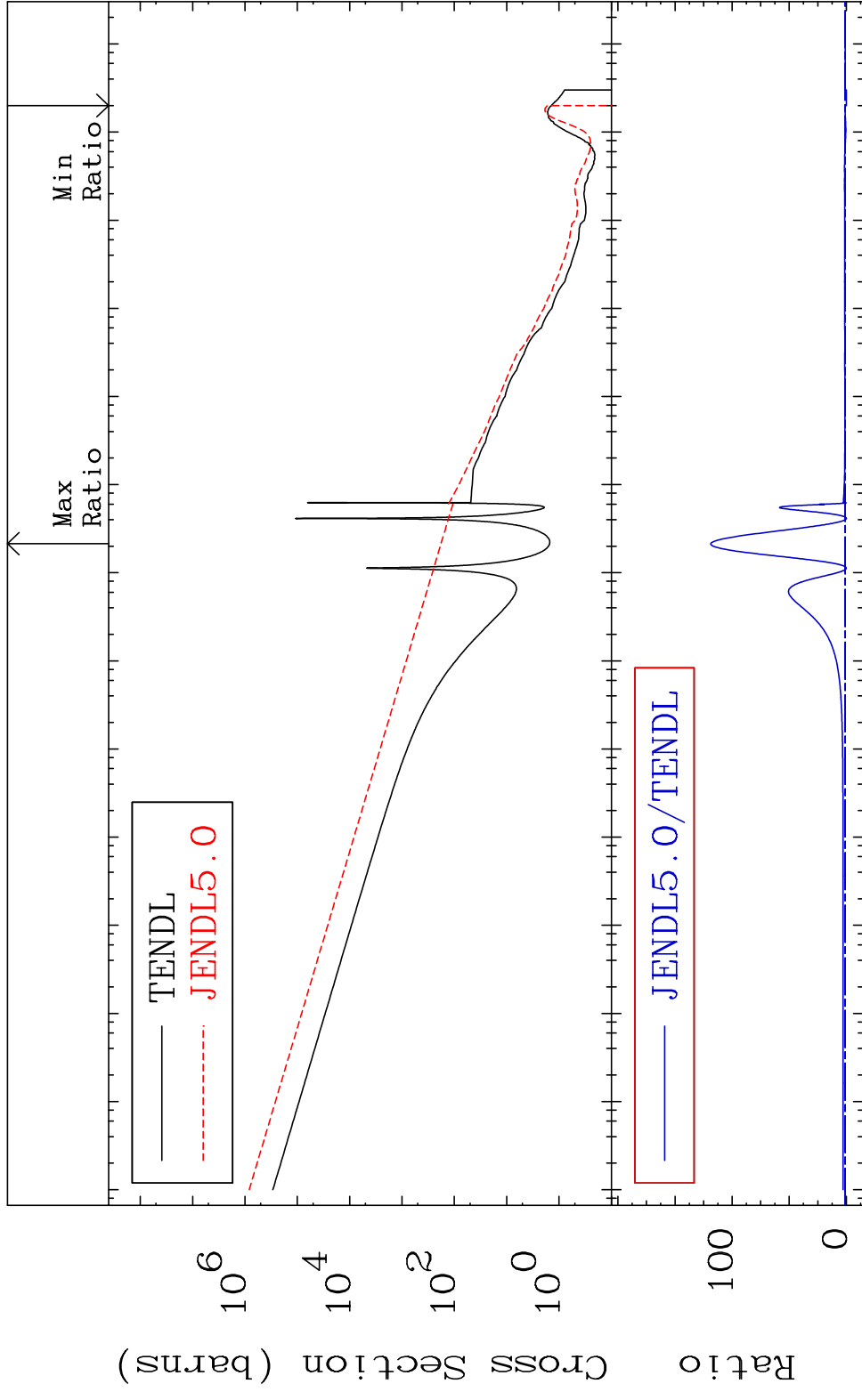
MAT 1928 Kerma inelastic (mt51-91) 19-K -40  
 Cross Section -100.0 To 9999. %



MAT 1928 Kerma fission (mt18 or mt19-20-21-38) 19-K -40  
 Cross Section -100.0 To 9999. %

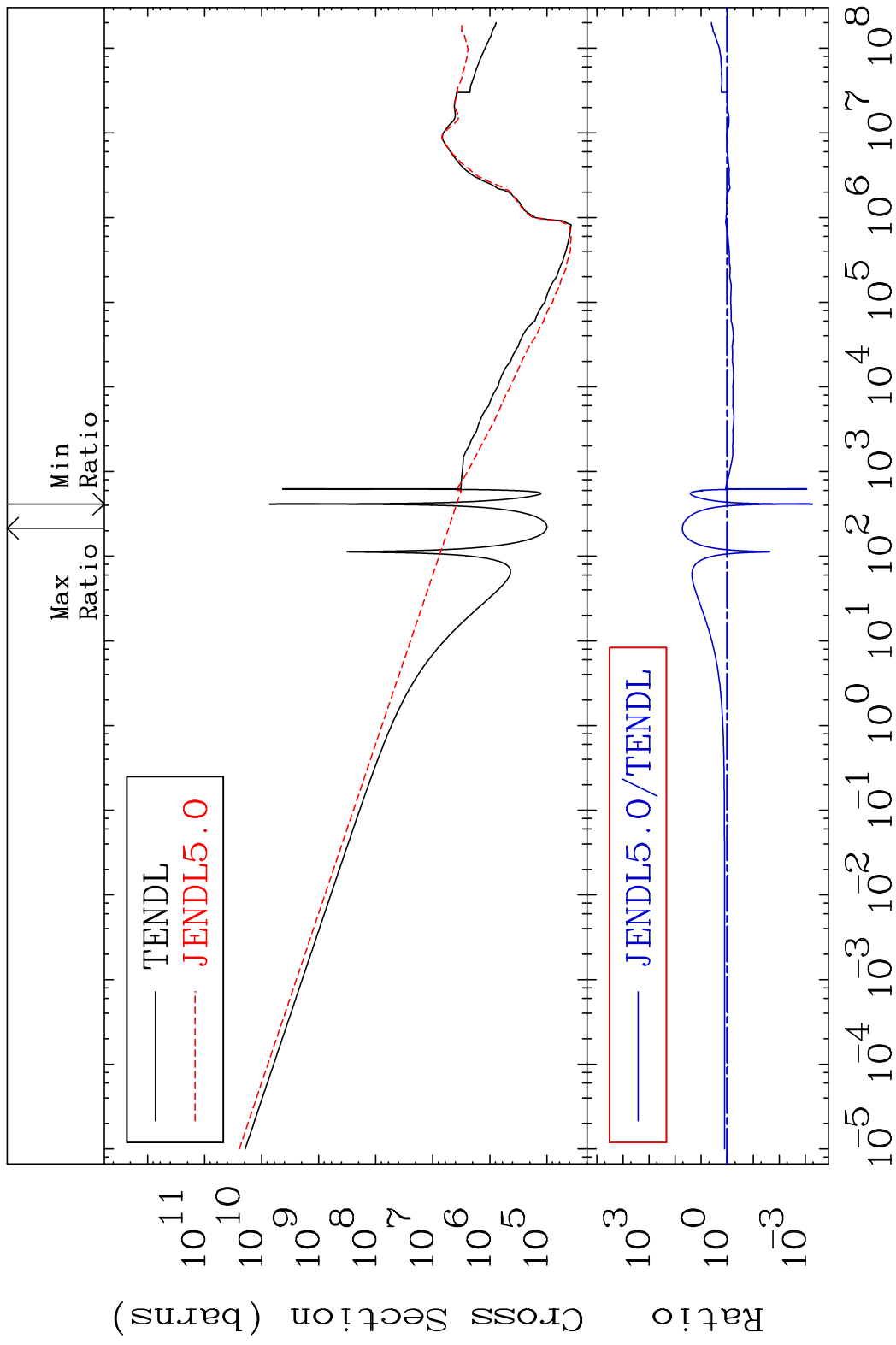


MAT 1928 Kerma capture (mt102) 19-K -40  
 Cross Section -100.0 To 9999. %



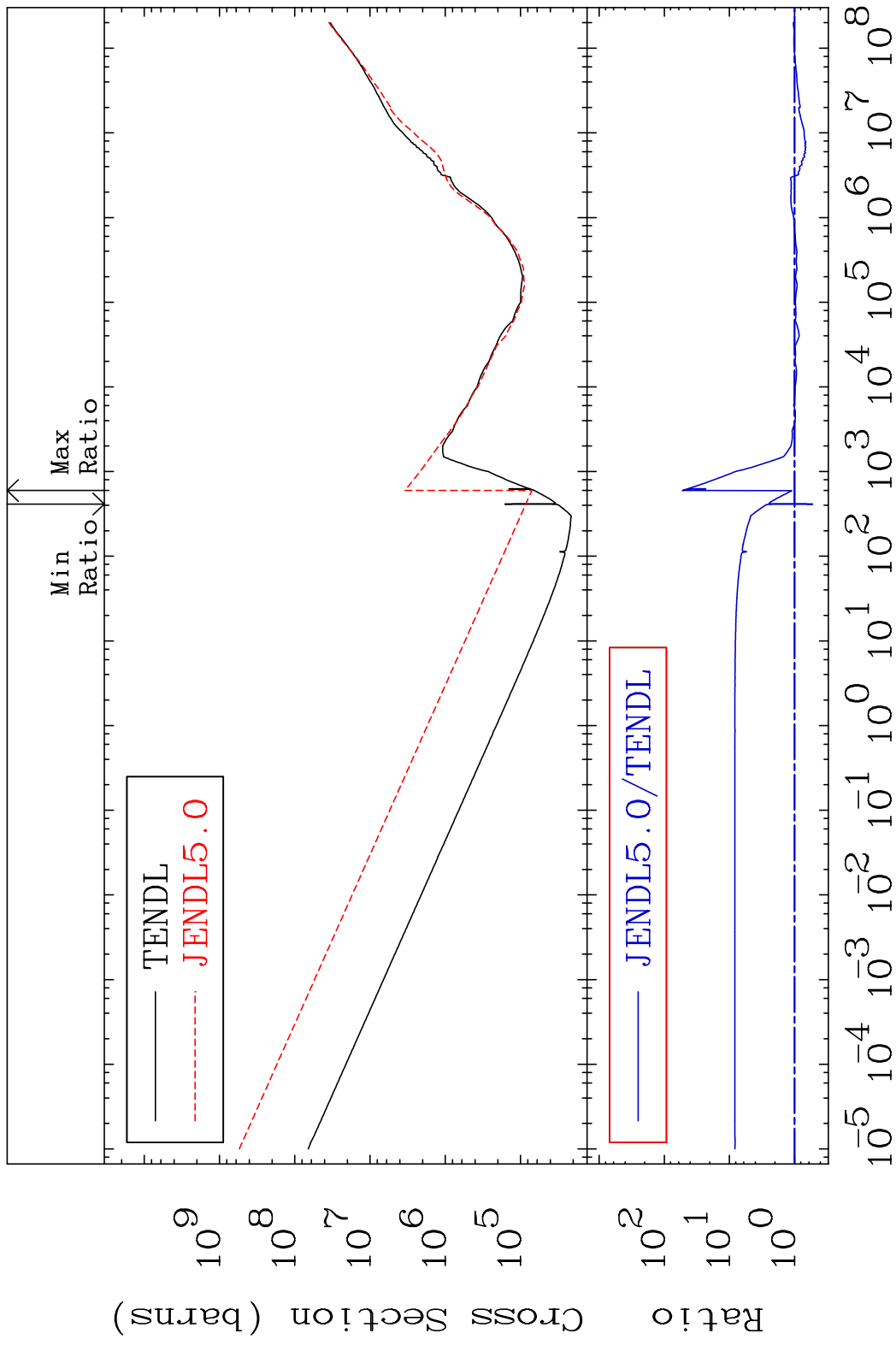
65 Incident Energy (eV) 19-K -40

MAT 1928 Total photon (eV-barns) 19-K -40  
 Cross Section -99.95 To 5169. %

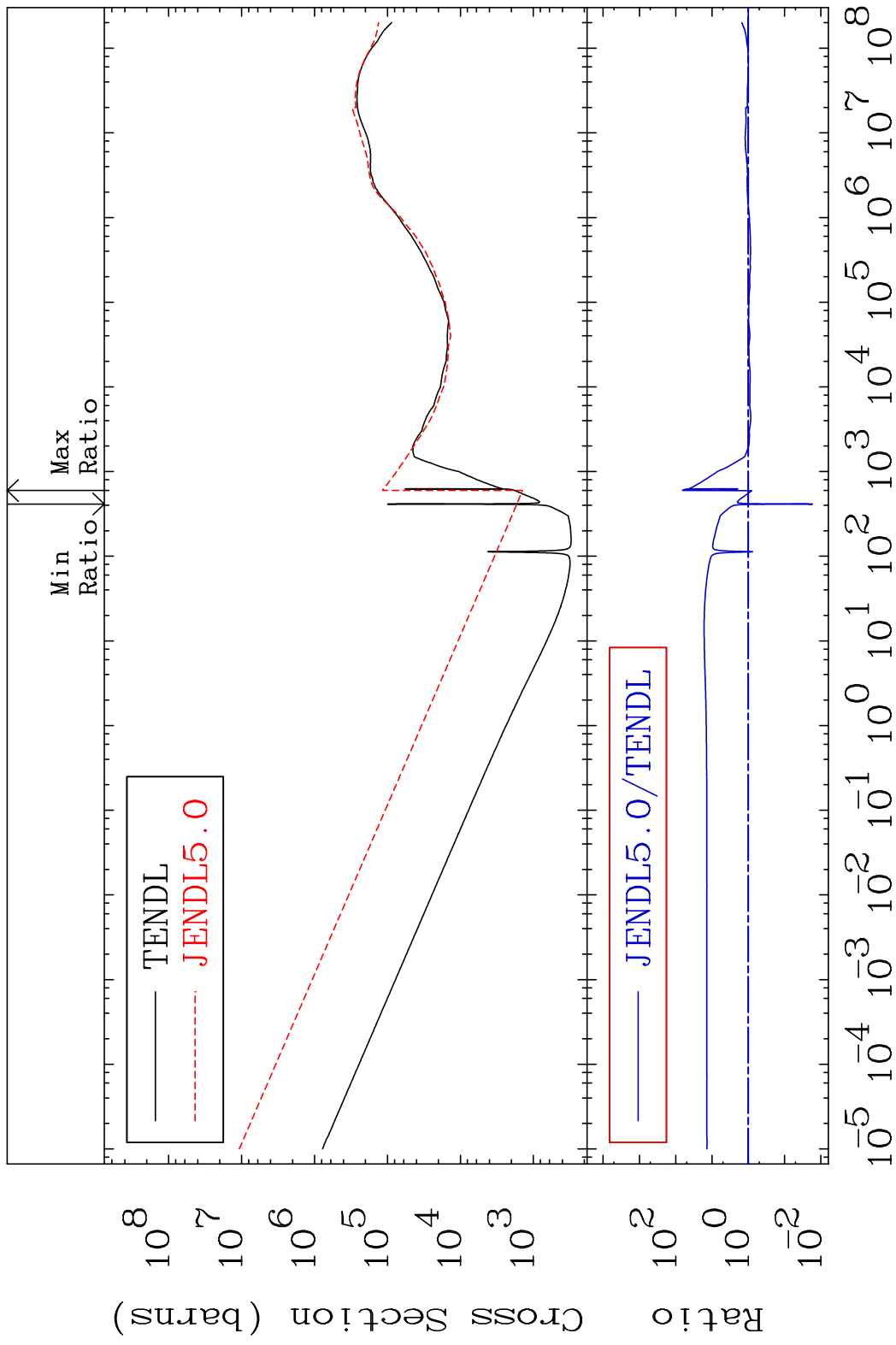


66 Incident Energy (eV) 19-K -40

MAT 1928 Total kinematic kerma (high limit) 19-K -40  
 Cross Section -47.22 To 5175. %



MAT 1928 Dpa total (eV-barns) 19-K -40  
 Cross Section -98.31 To 6457. %

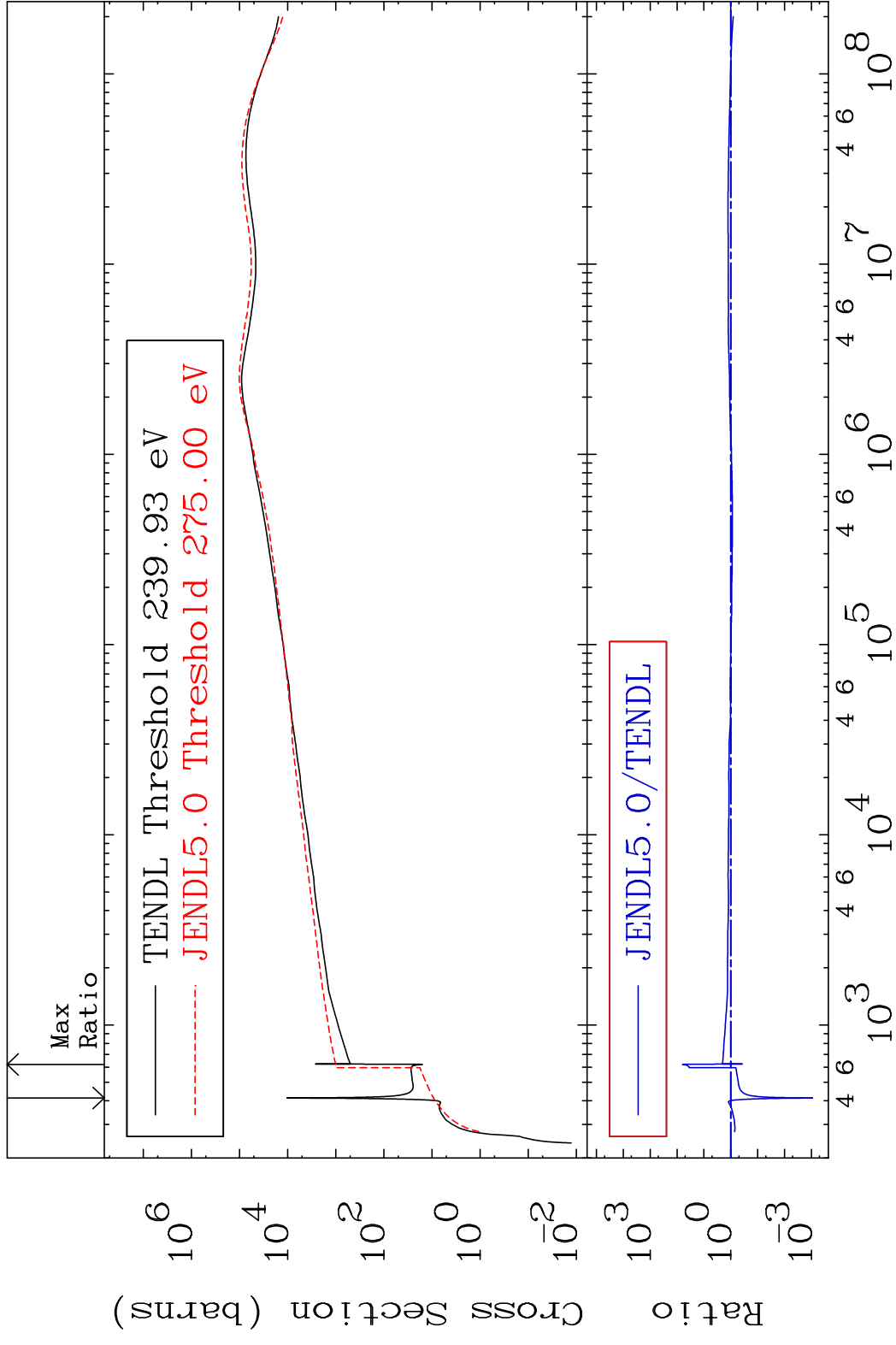


MAT 1928

Dpa elastic (mt2)

19-K -40

Cross Section -99.91 To 6247. %

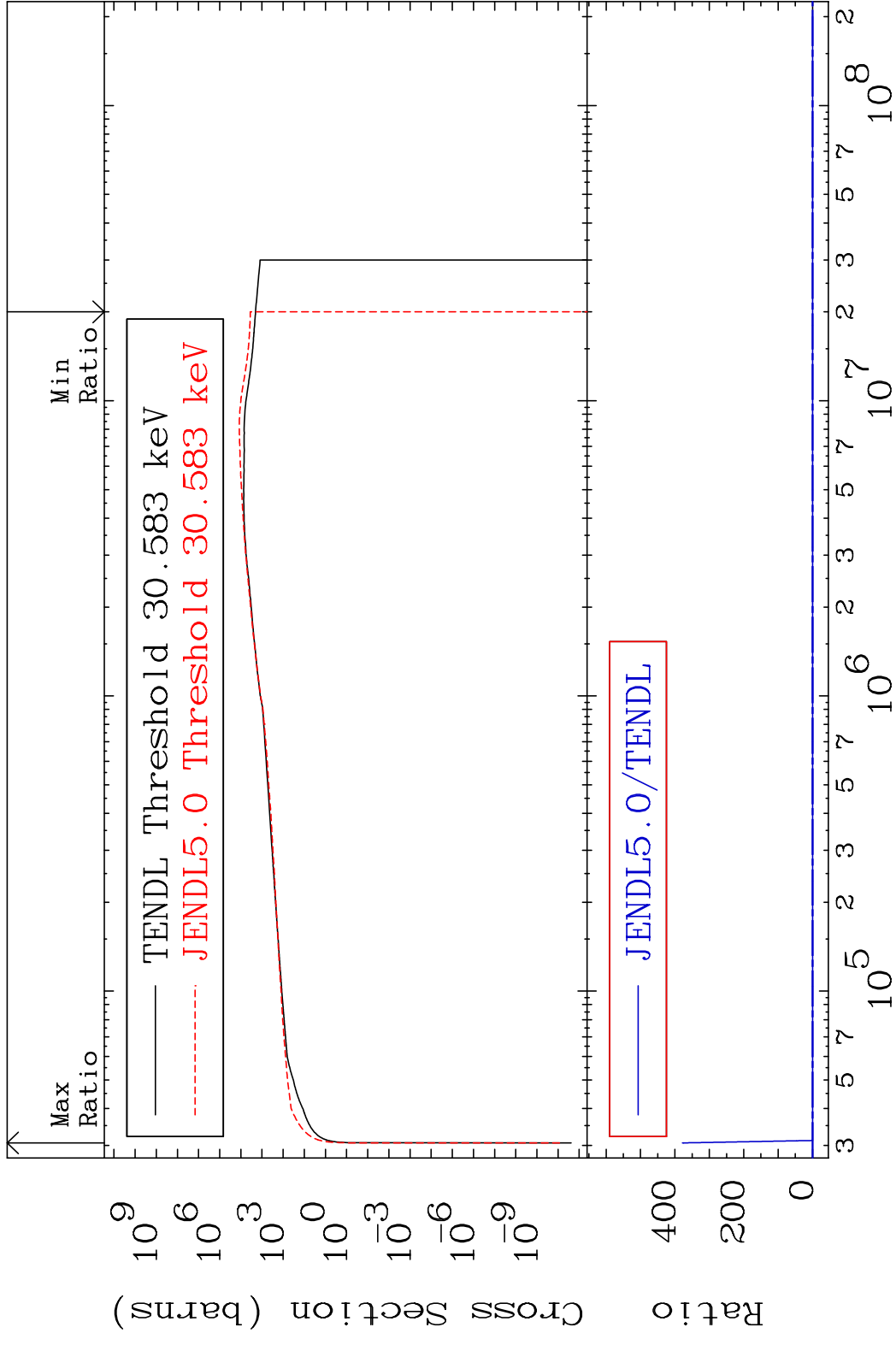


69

Incident Energy (eV)

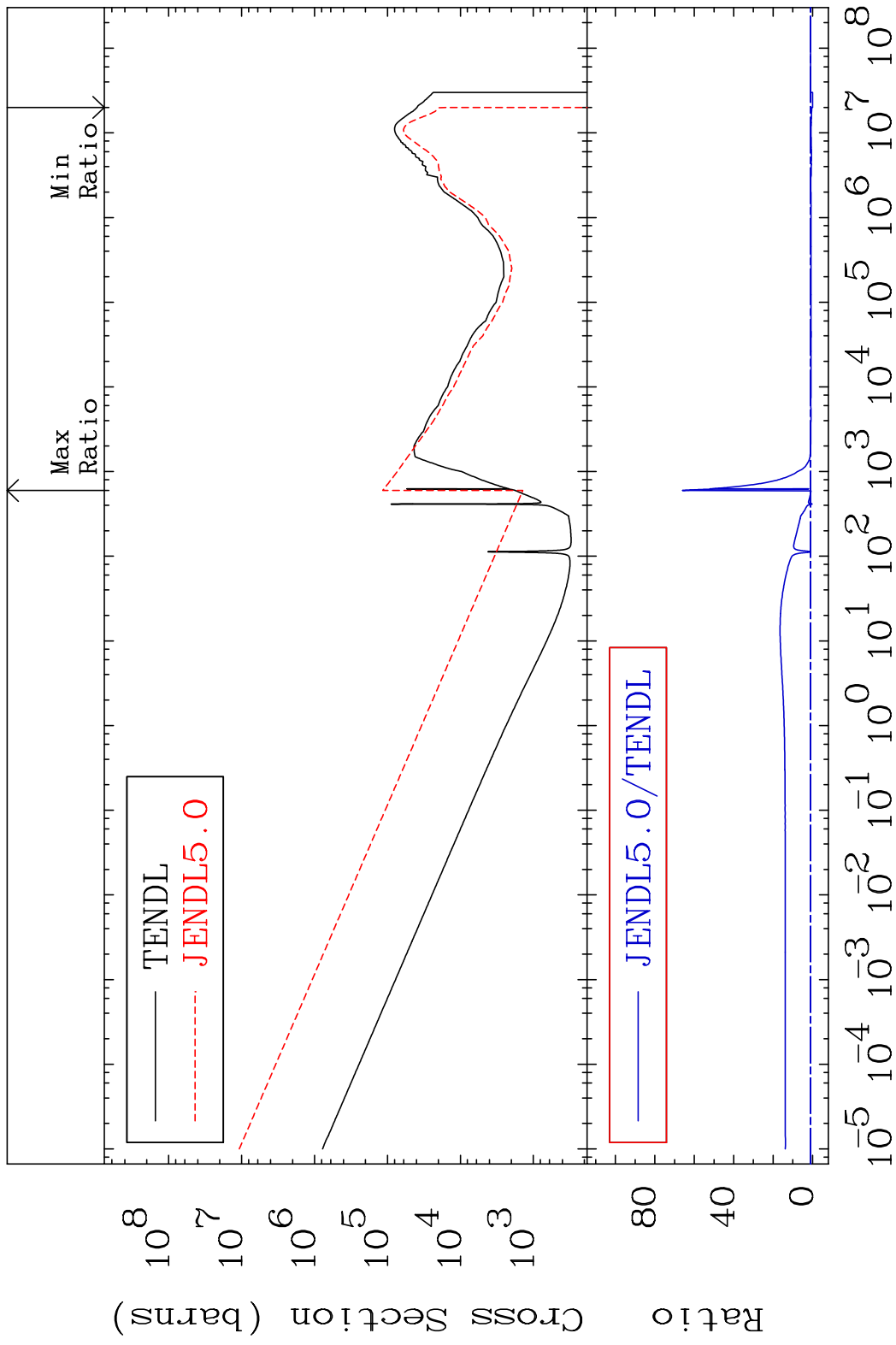
19-K -40

MAT 1928 Dpa inelastic (mt51-91) 19-K -40  
 Cross Section -100.0 To 9999. %



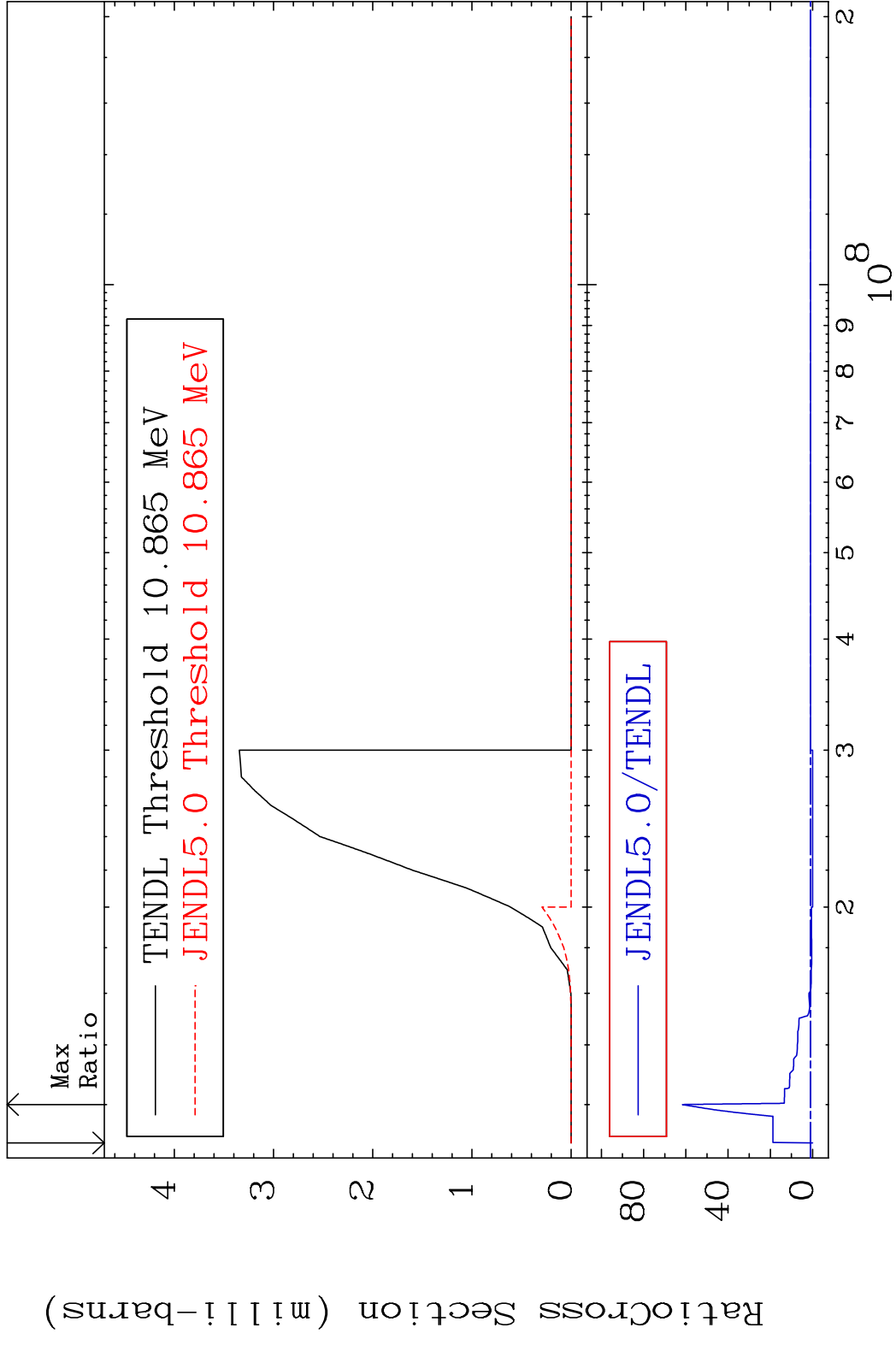
70 Incident Energy (eV) 19-K -40

MAT 1928 Dpa disappearance (mt102 -120) 19-K -40  
 Cross Section -100.0 To 6504. %

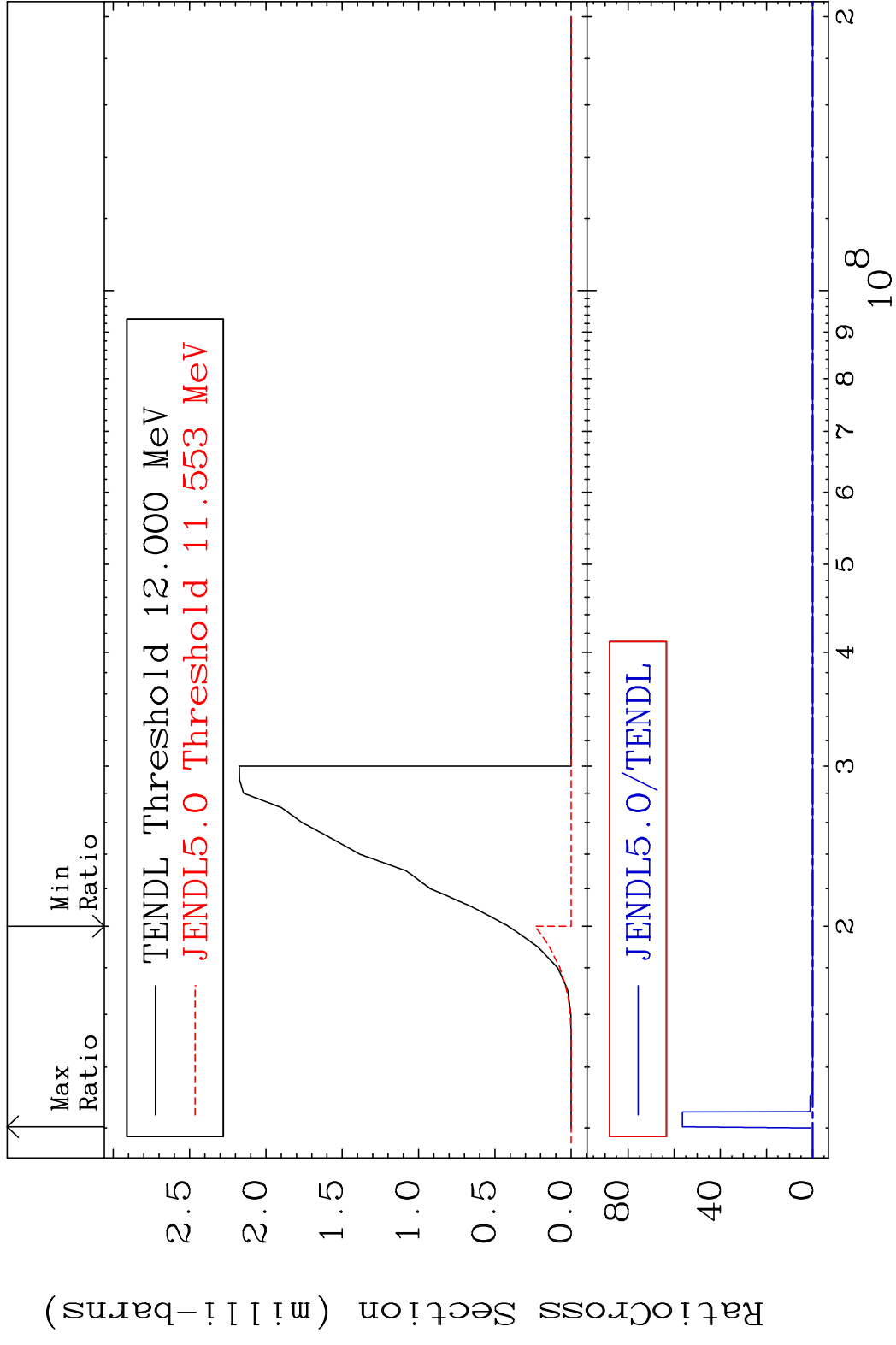


71 Incident Energy (eV) 19-K -40

MAT 1928 (n, He-3): 17-C1-38g 19-K -40  
 Radionuclide Production Cross Section 180.0 dth 6065. %



MAT 1928 (n, He-3): 17-Cl-38m1 19-K -40  
 Radionuclide Production Cross Section 18000 dth 9999. %

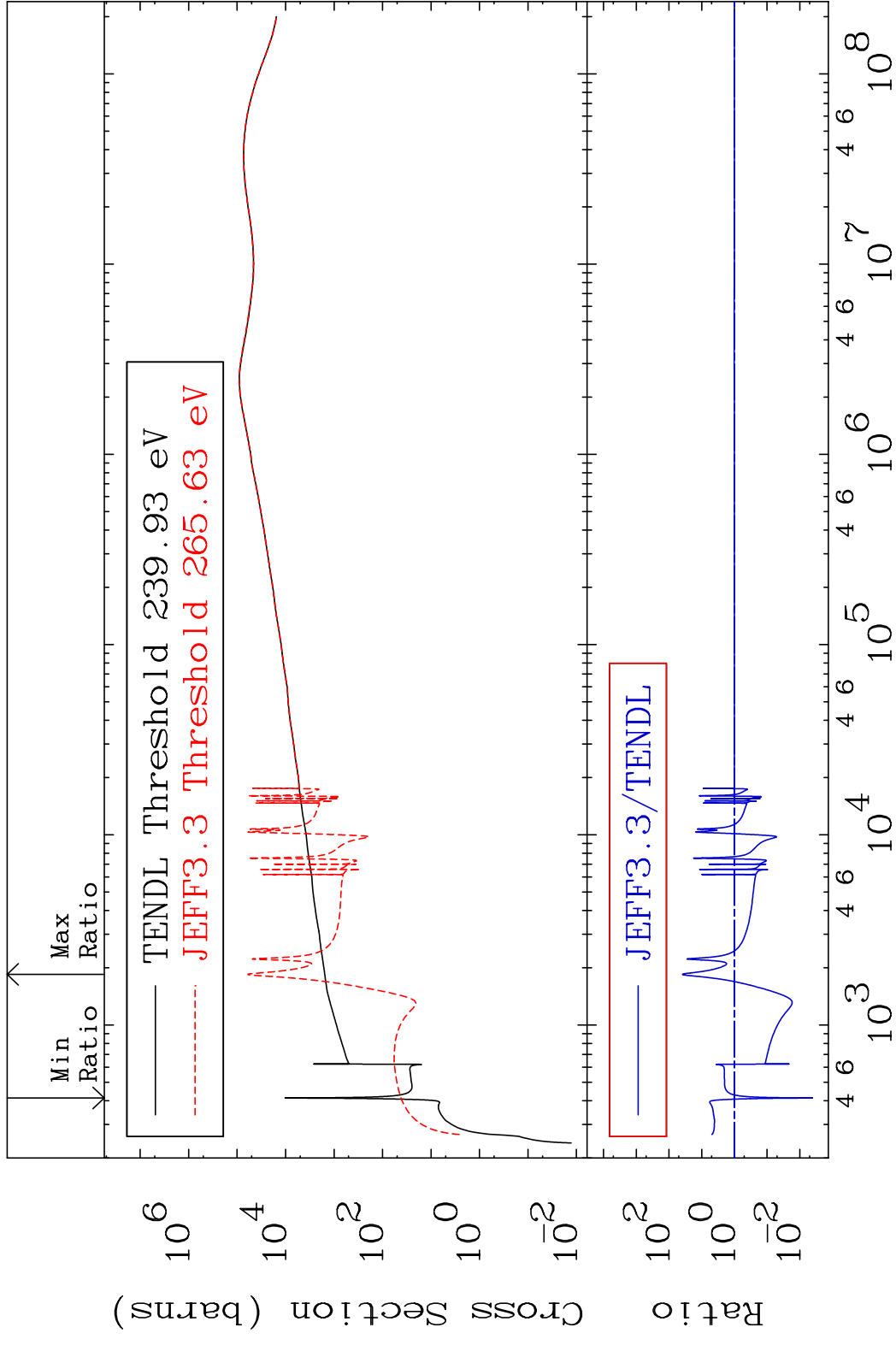


MAT 1928

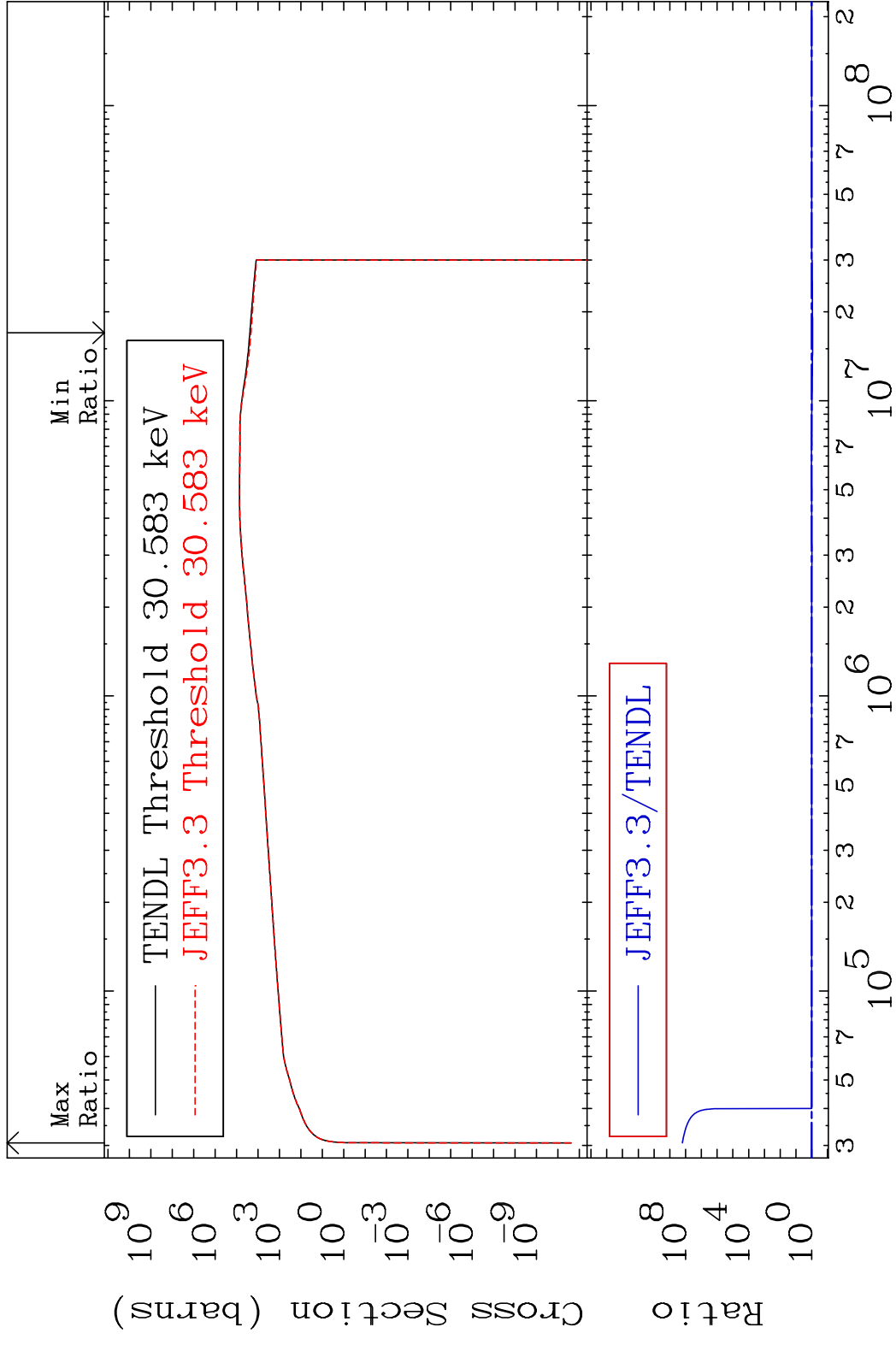
Dpa elastic (mt2)

19-K -40

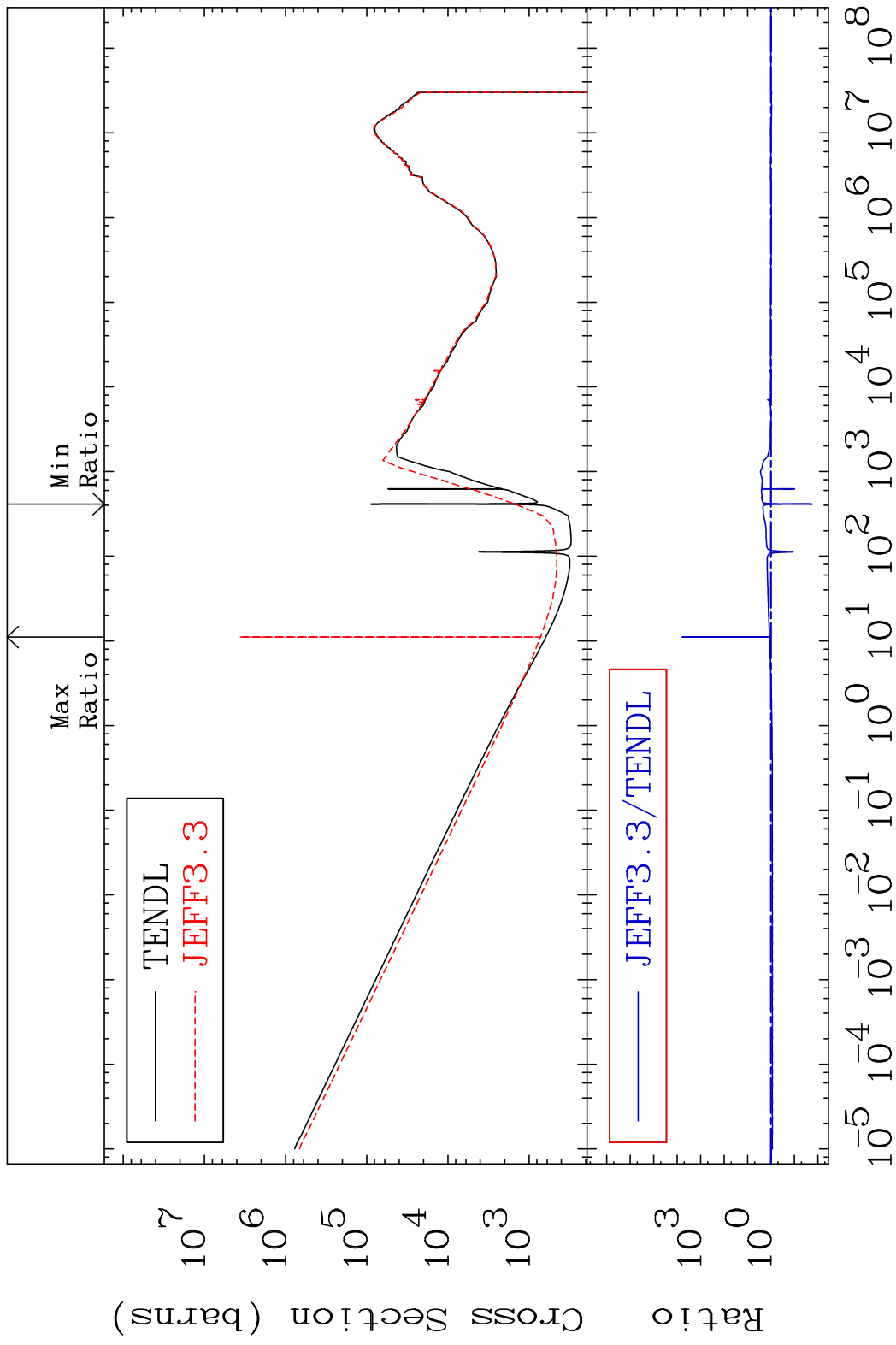
Cross Section -99.59 To 3799. %



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

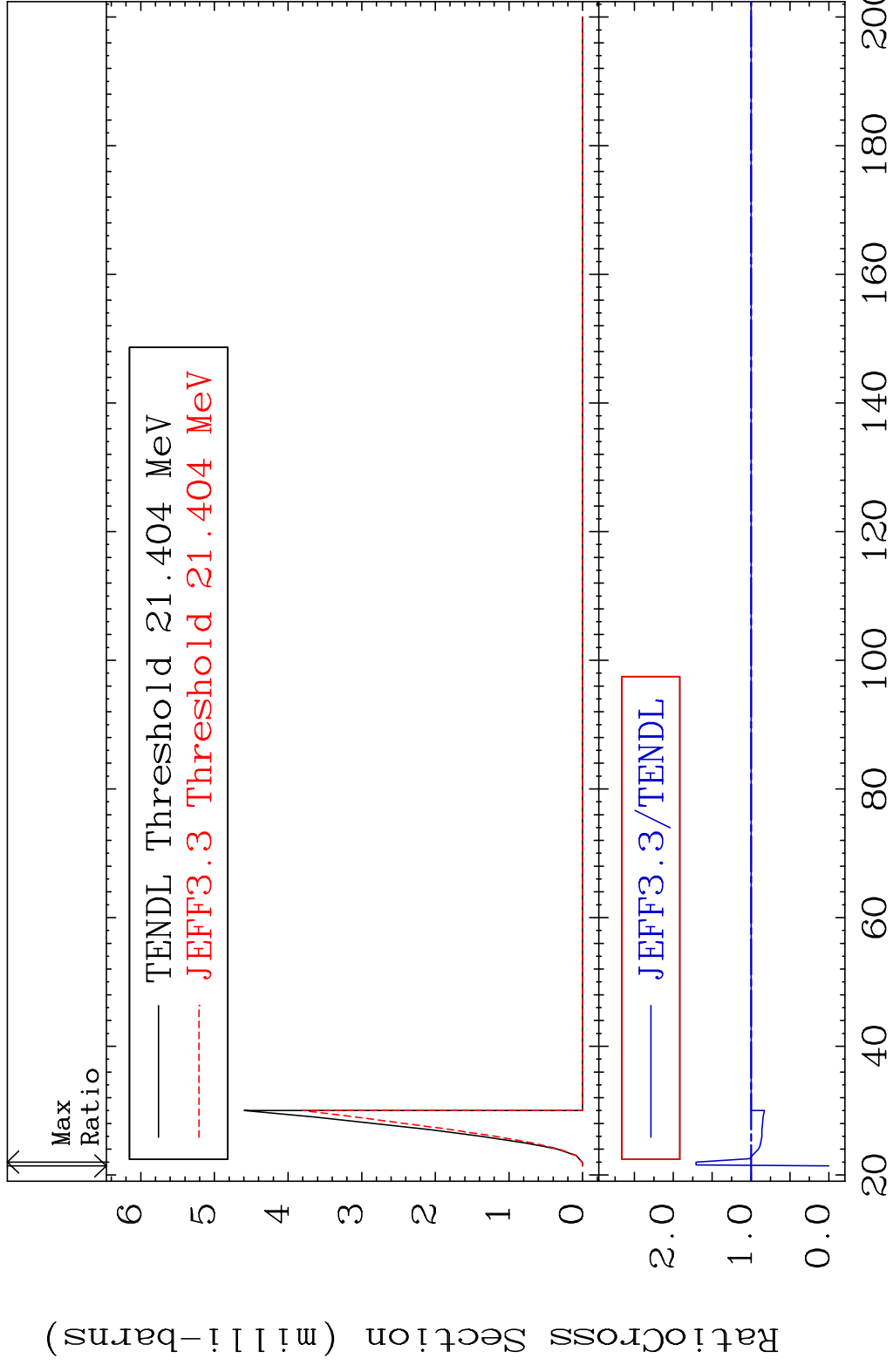


MAT 1928 Dpa disappearance (mt102 -120) 19-K -40  
 Cross Section -98.31 To 9999. %

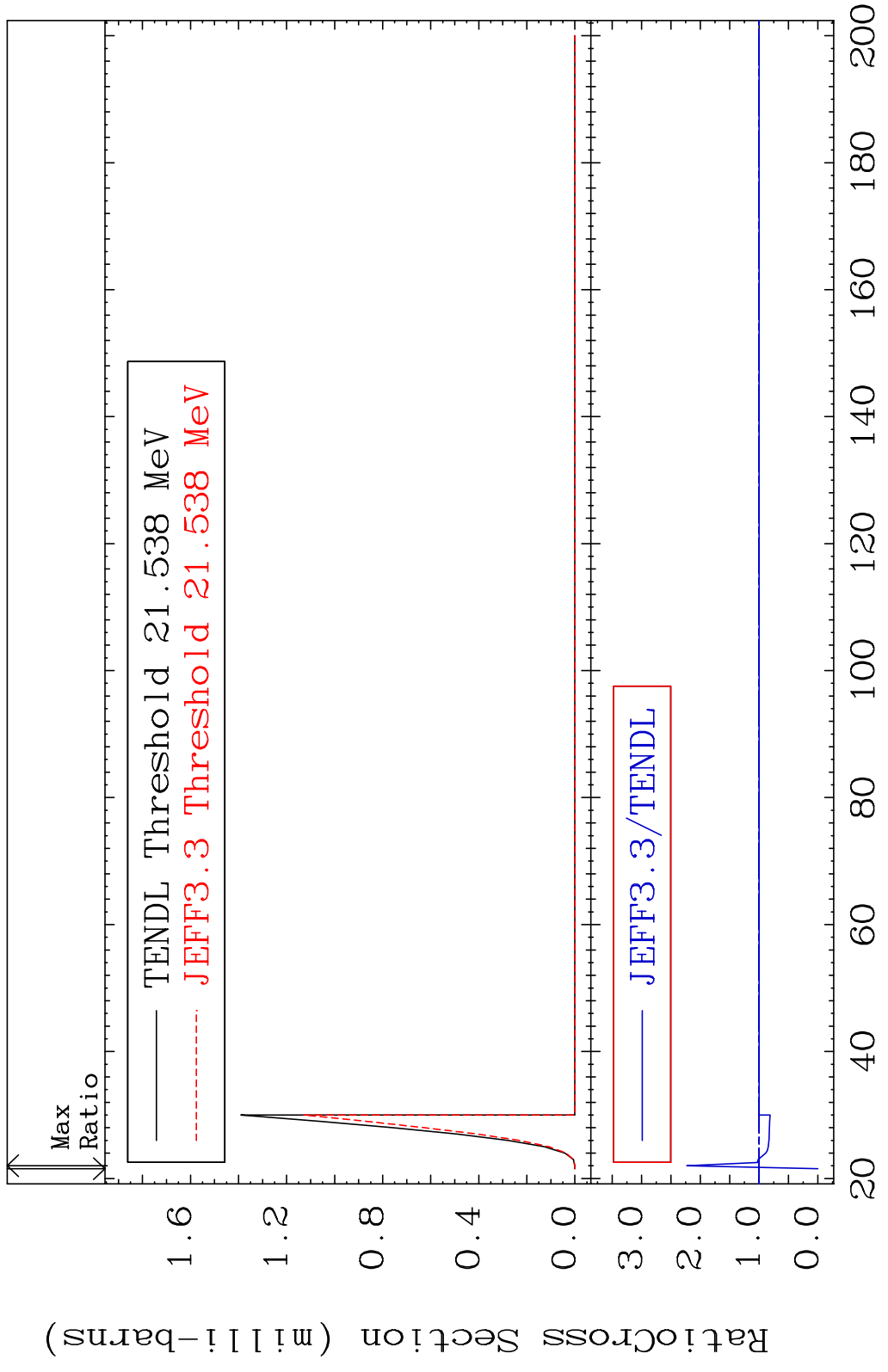


76 Incident Energy (eV) 19-K -40

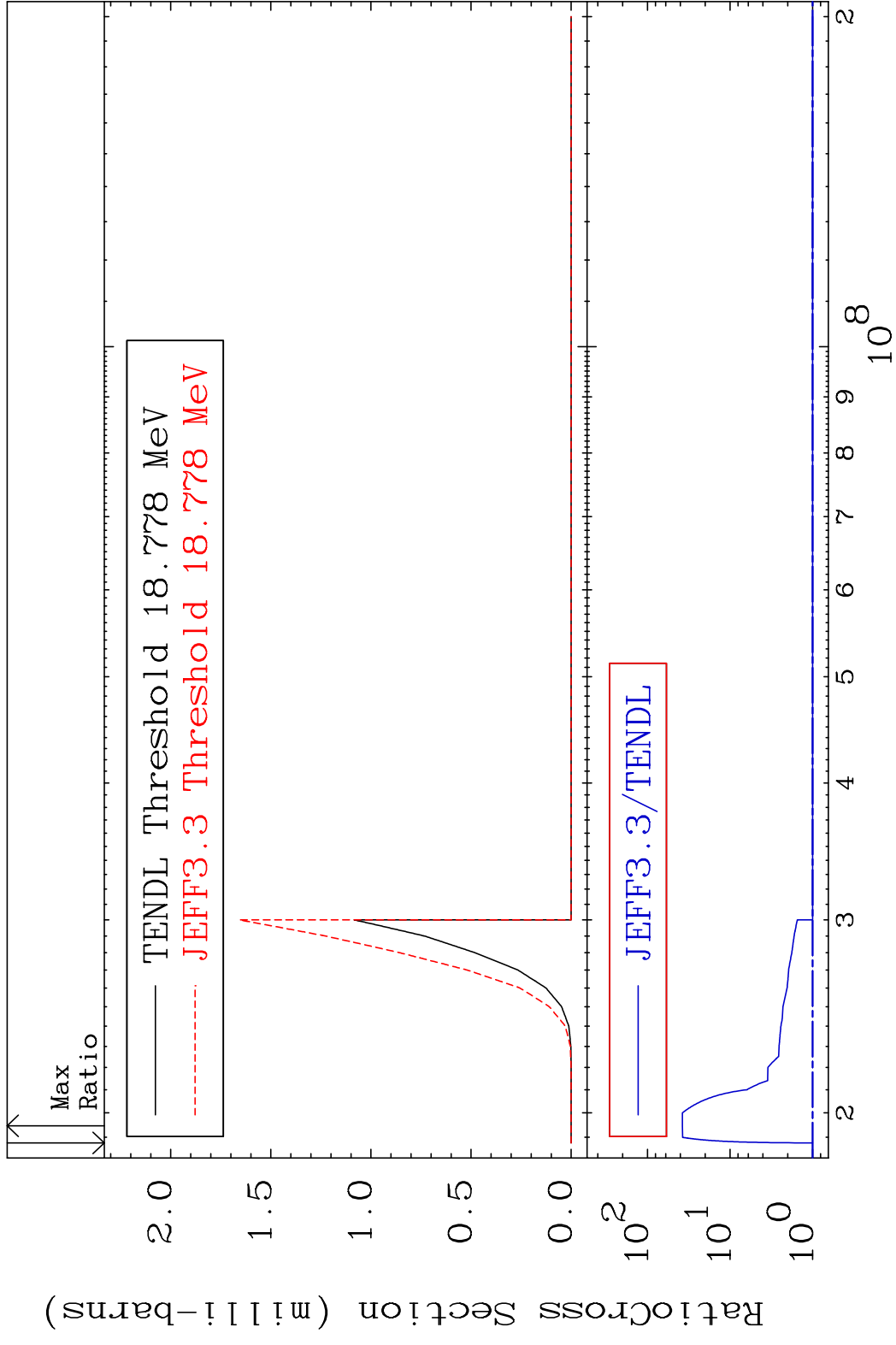
MAT 1928 (n,3n):19-K -38g 19-K -40  
 Radionuclide Production Cross Section 19-K -40 70.83 %



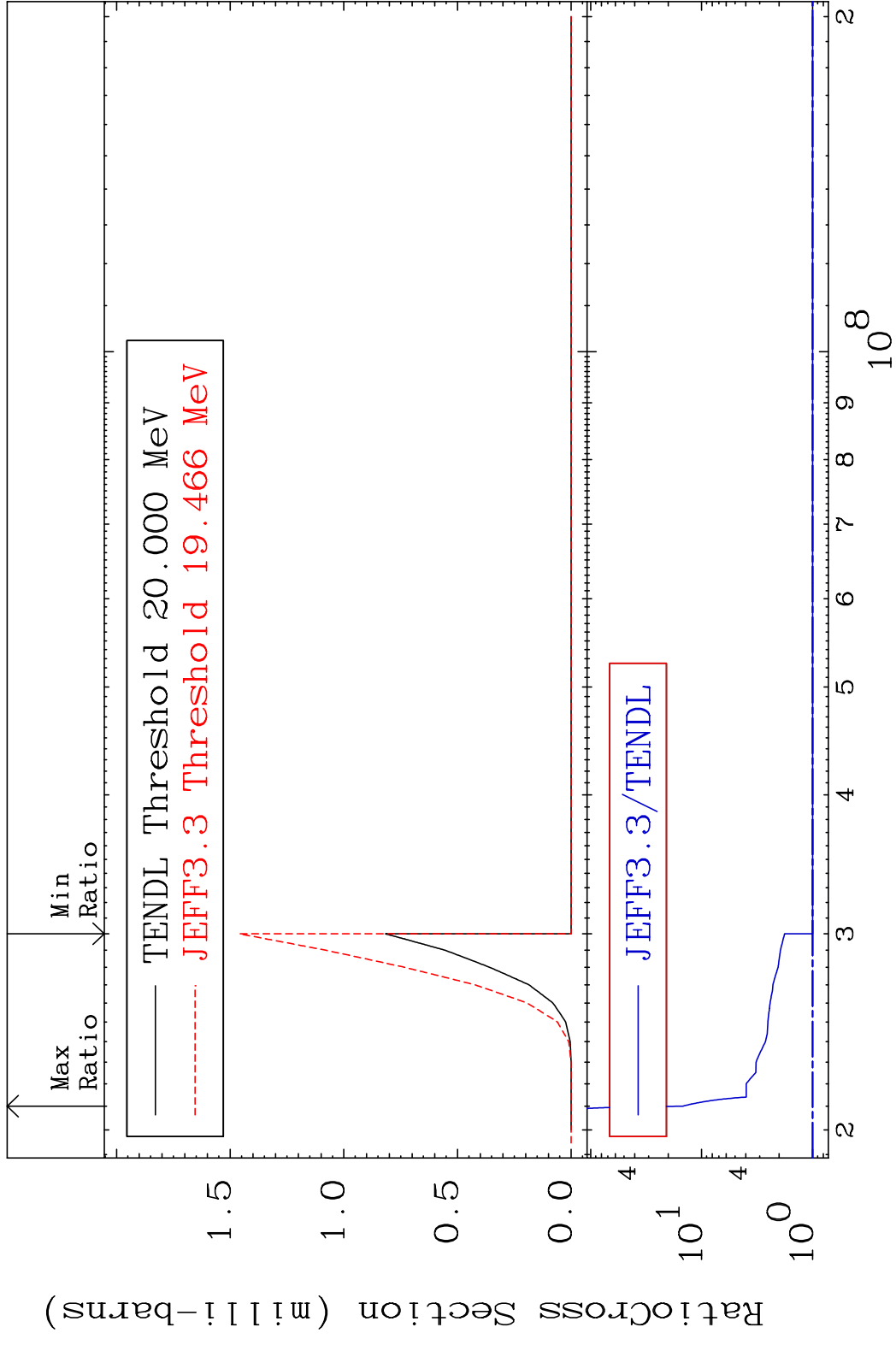
MAT 1928 (n,3n):19-K -38m1 19-K -40  
 Radionuclide Production Cross Section 180.01 dth 123.1 %



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

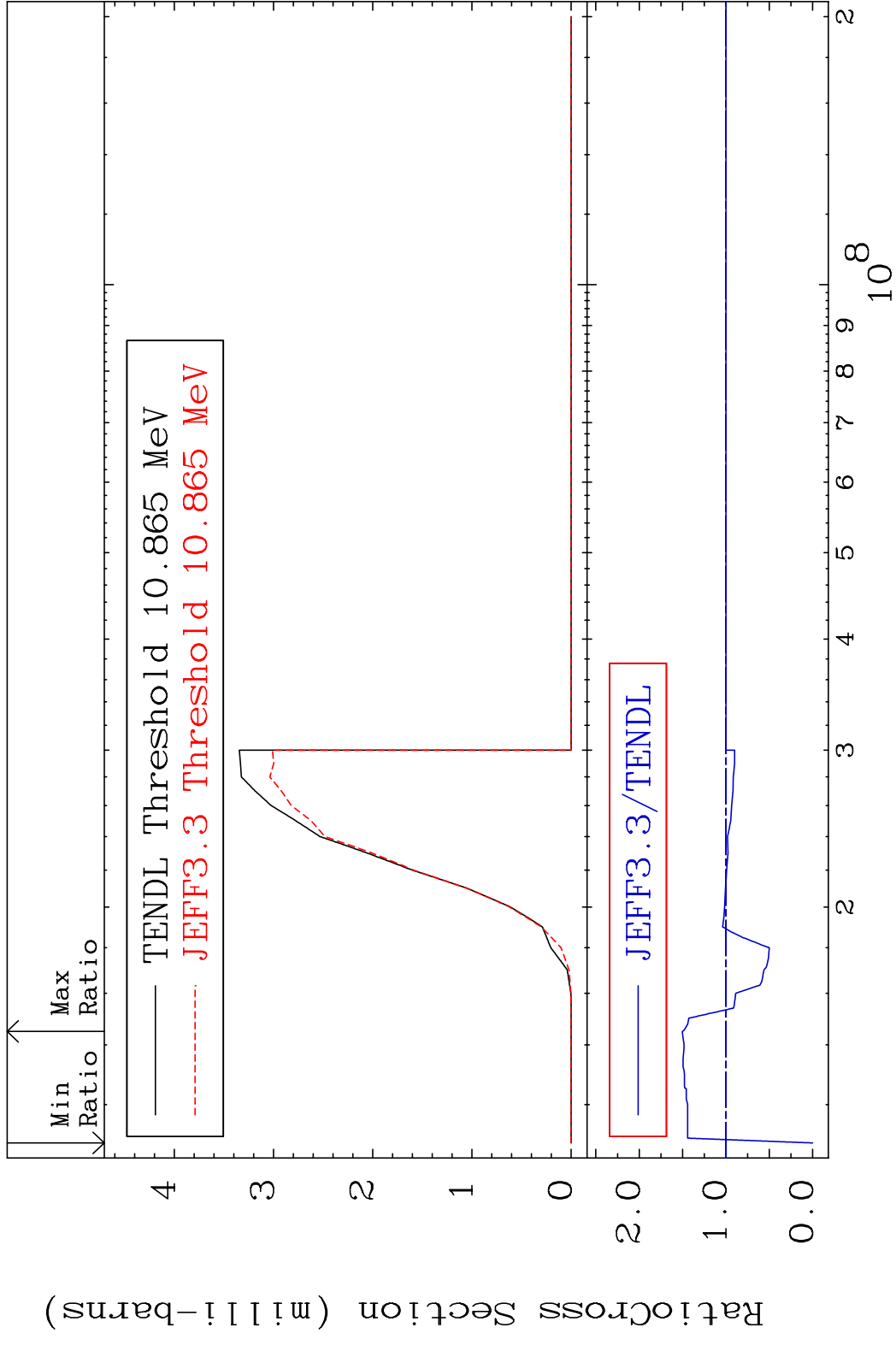


MAT 1928 (n,2n) p:17-Cl-38m1 19-K -40  
 Radionuclide Production Cross Section 1390. %

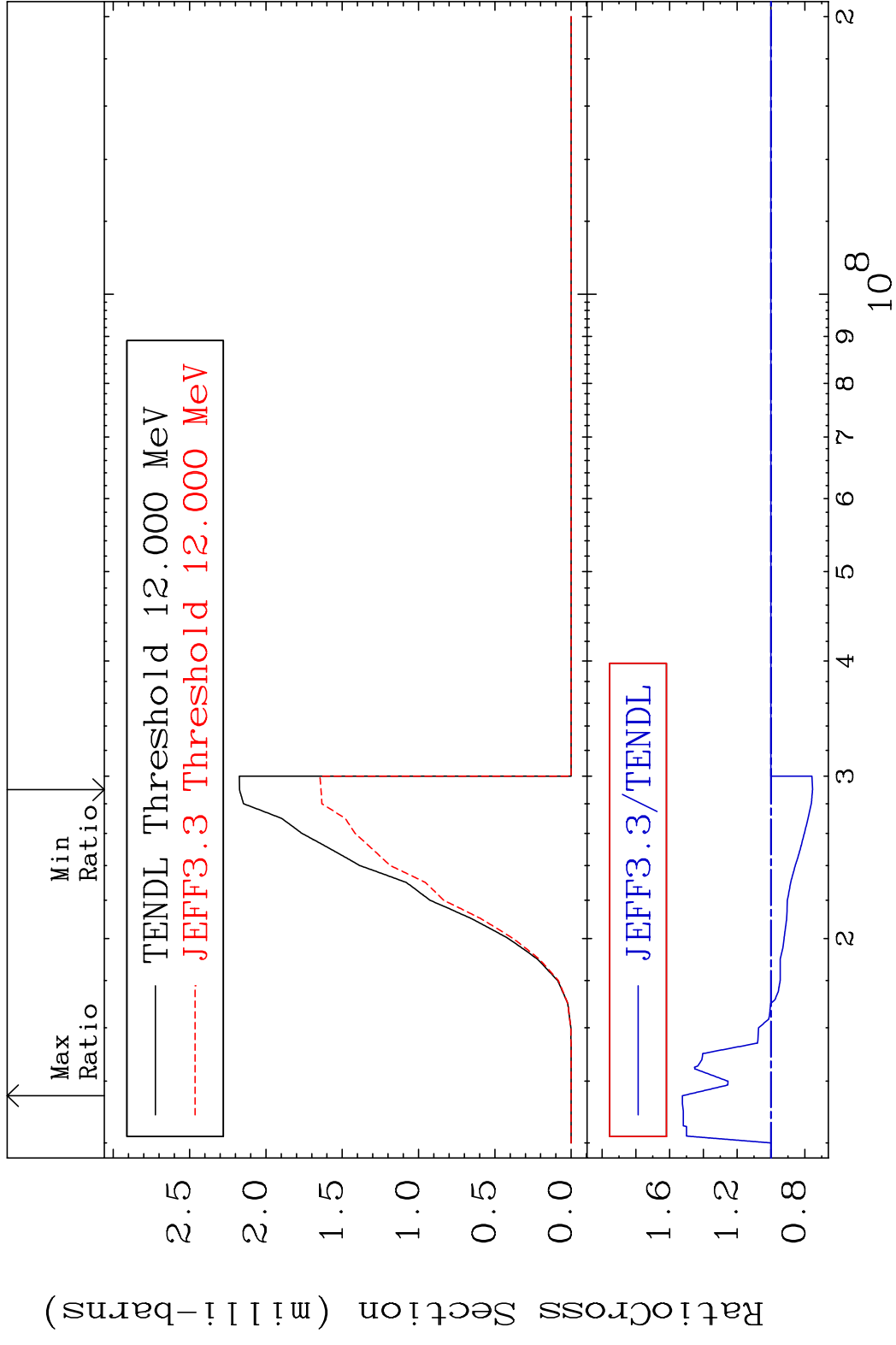


80 19-K -40

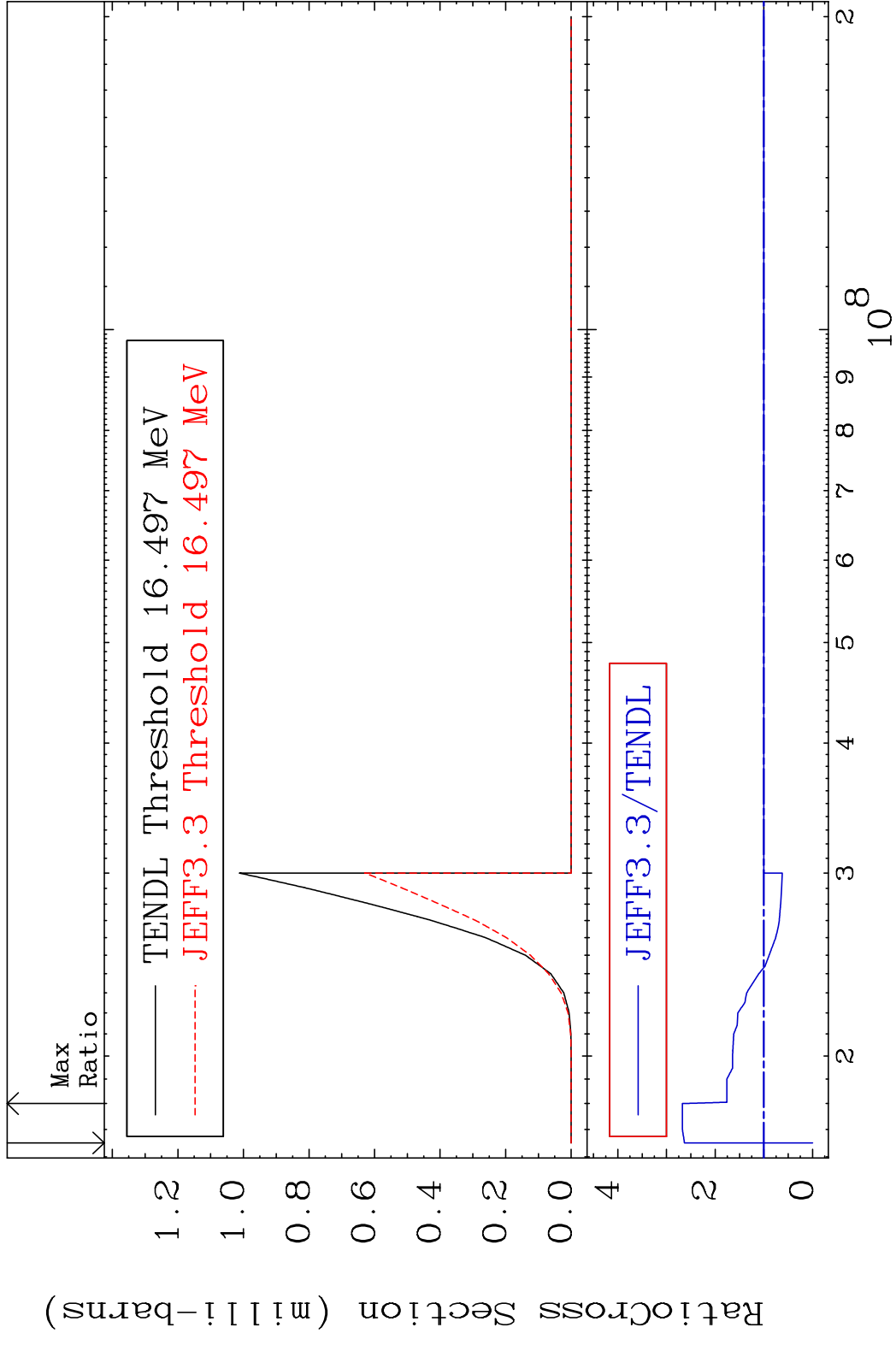
MAT 1928 (n, He-3): 17-Cl-38g 19-K -40  
 Radionuclide Production Cross Section 180.01 dth 50.20 %



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 %

