

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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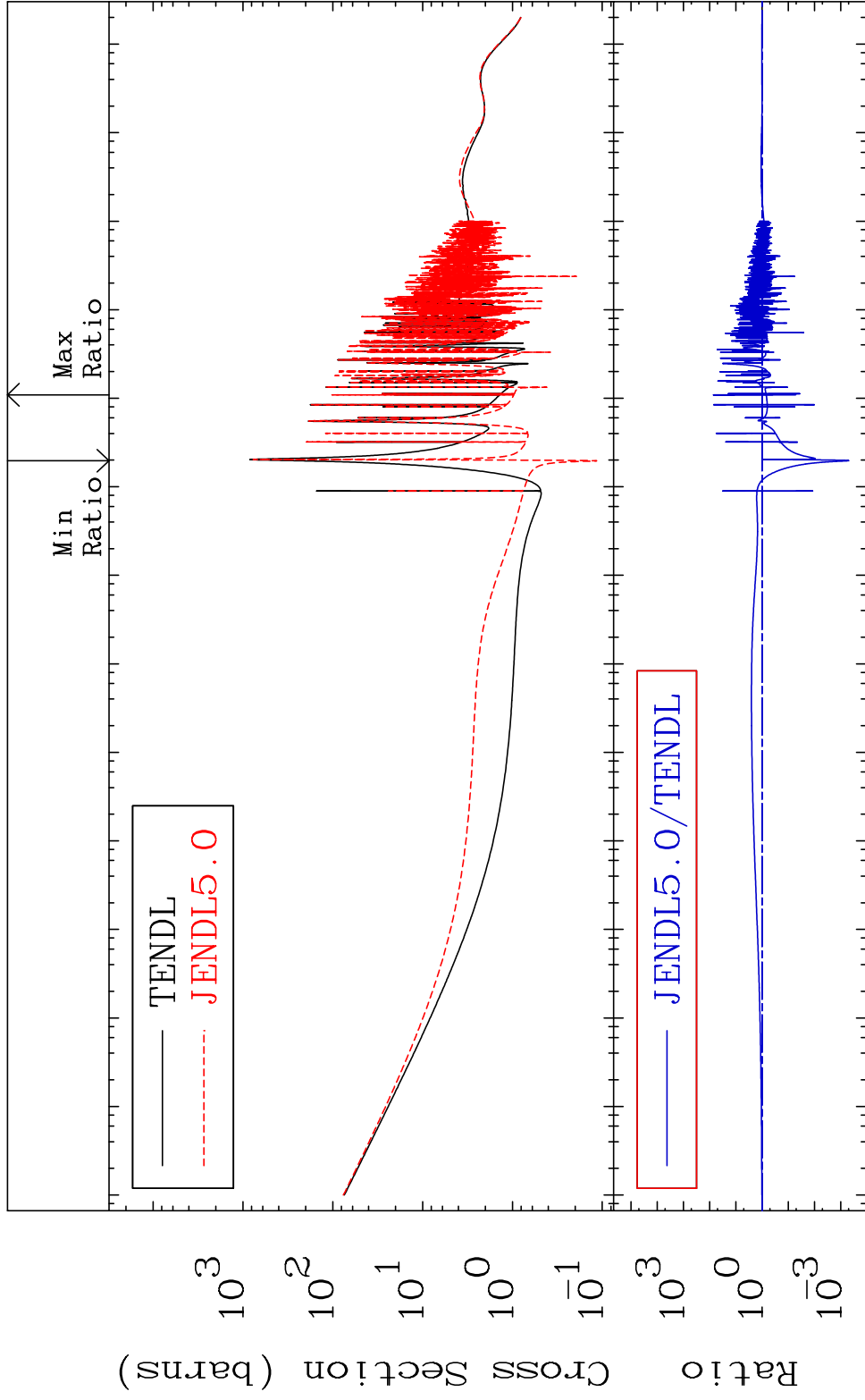
Press Mouse Button to Start

MAT 1931

Total

19-K -41

Cross Section -99.95 To 7246. %



1

Incident Energy (eV)

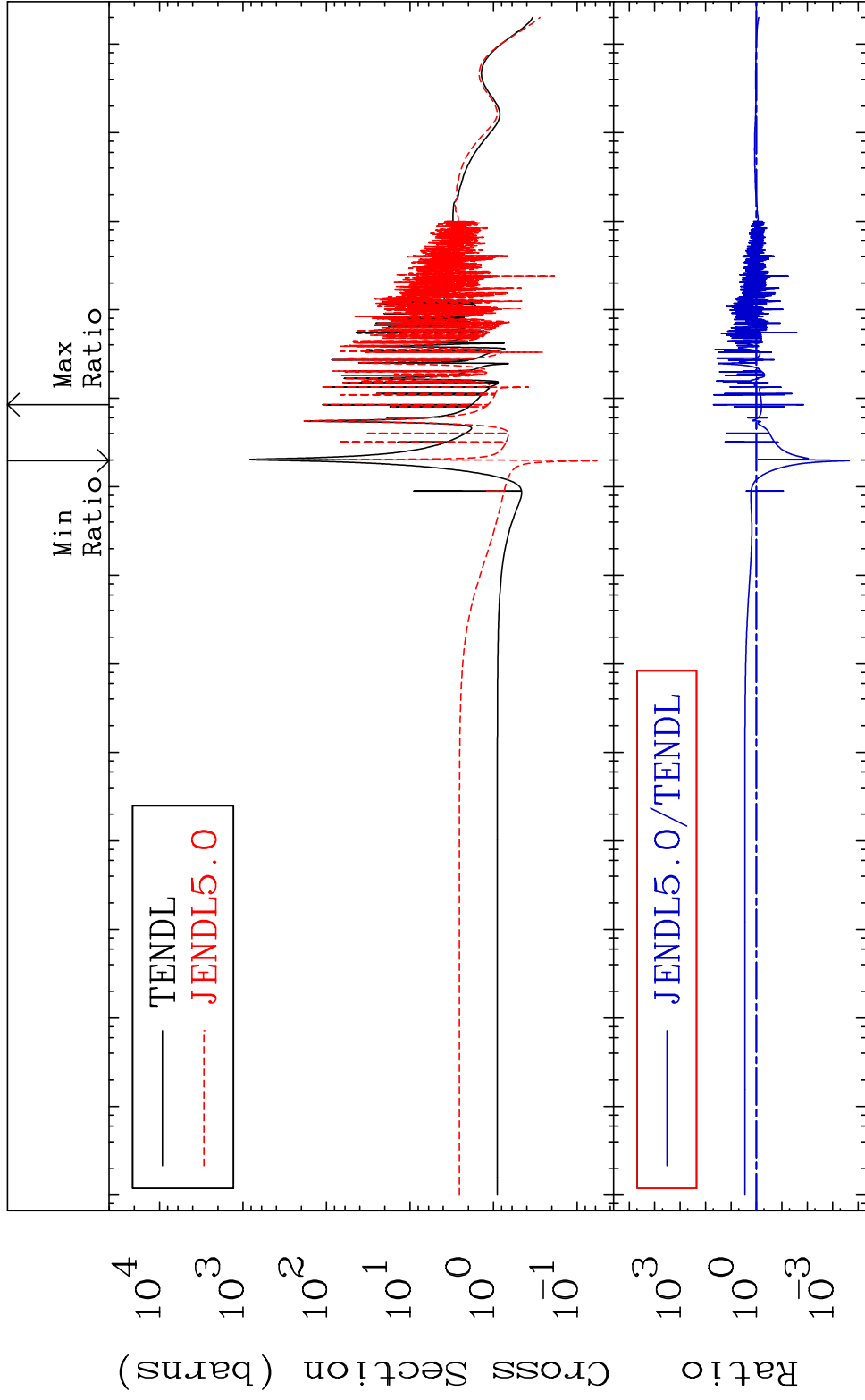
19-K -41

MAT 1931

Elastic

19-K -41

Cross Section -99.98 To 4913. %



2

Incident Energy (eV)

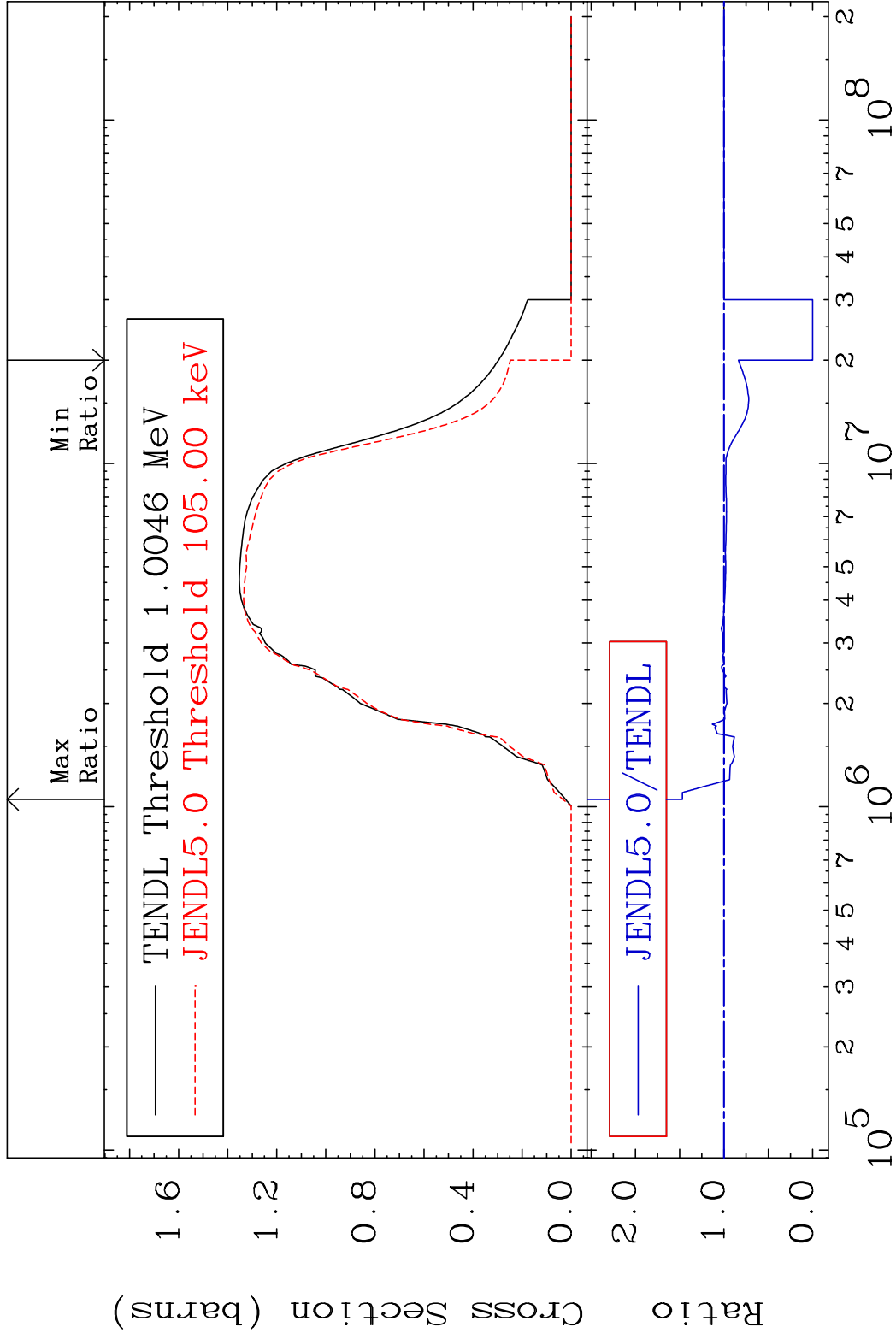
19-K -41

MAT 1931

Inelastic

19-K -41

Cross Section -100.0 To 46.99 %

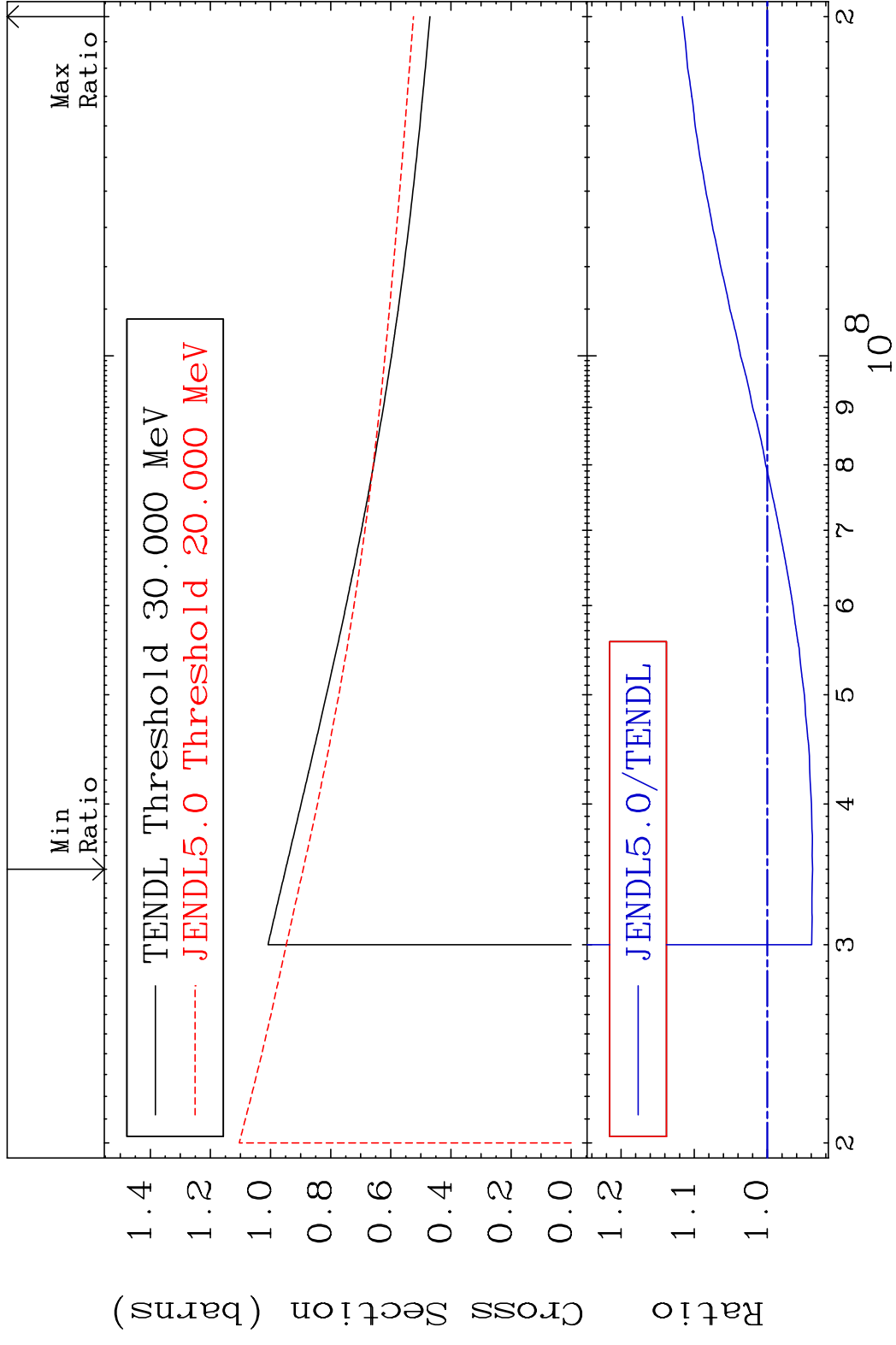


3

Incident Energy (eV)

19-K -41

MAT 1931 (n, remainder) 19-K -41  
 Cross Section -6.183 To 11.62 %



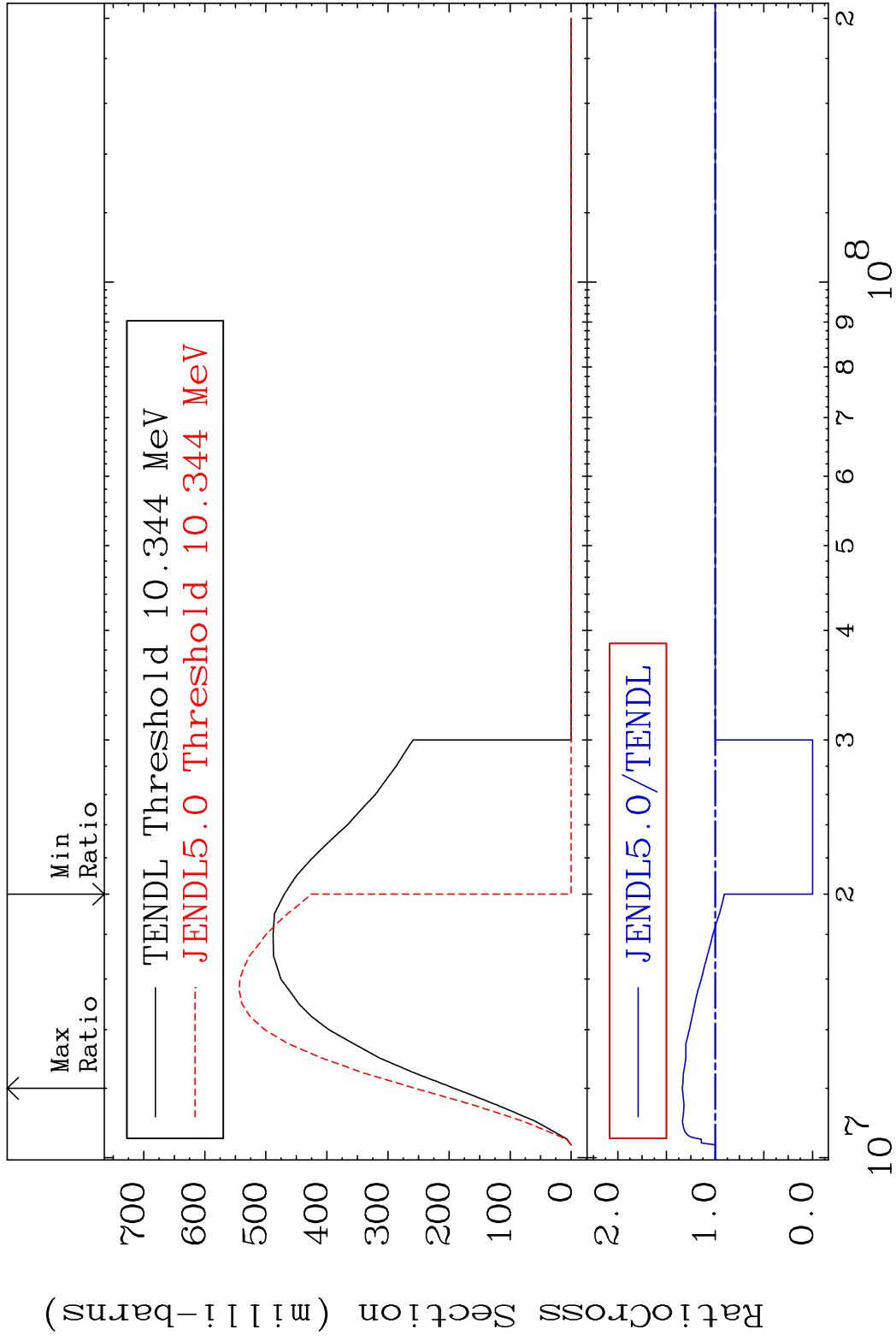
4 Incident Energy (eV) 19-K -41

MAT 1931

(n,2n)

19-K -41

Cross Section -100.0 To 33.68 %



5

Incident Energy (eV)

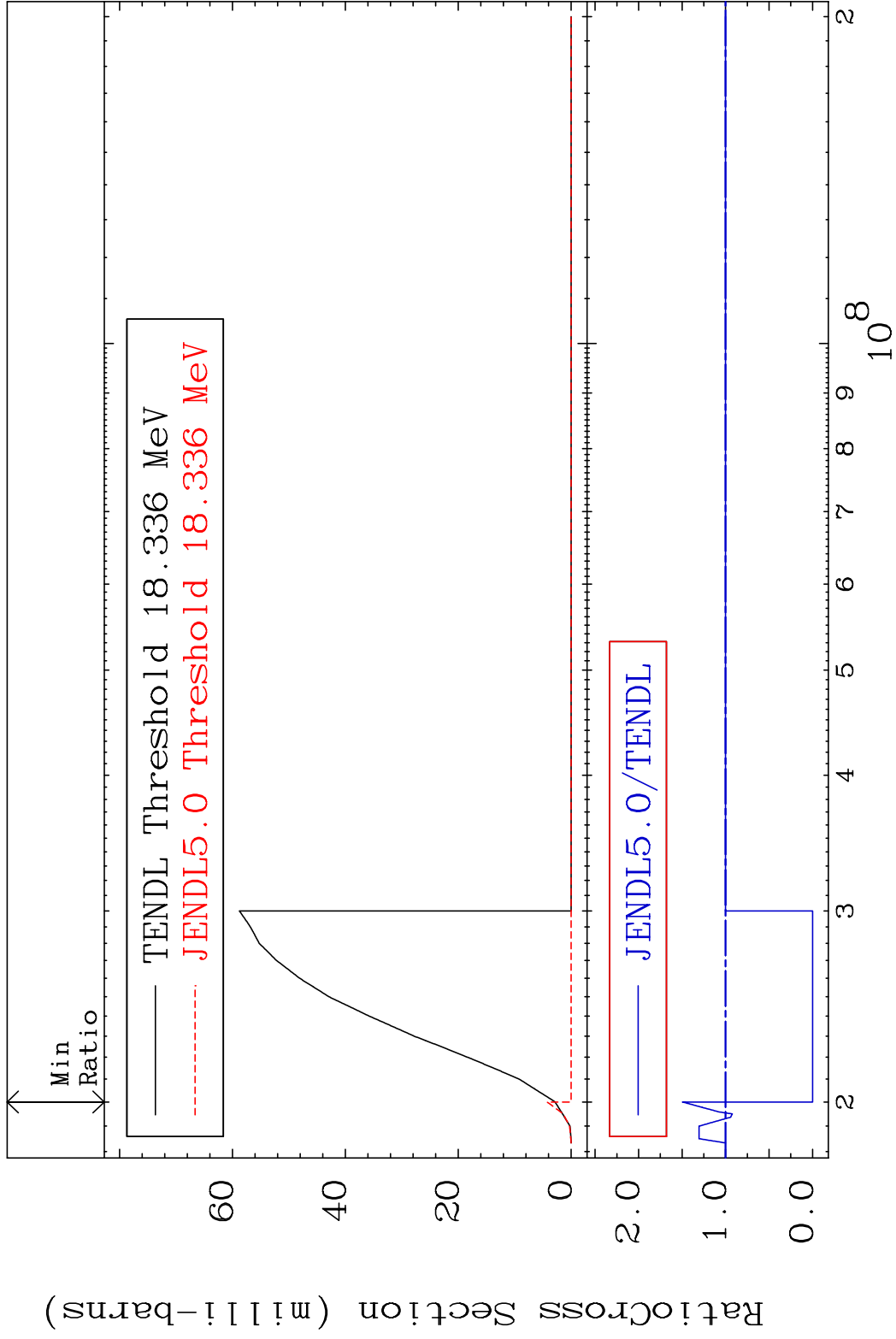
19-K -41

MAT 1931

(n,3n)

19-K -41

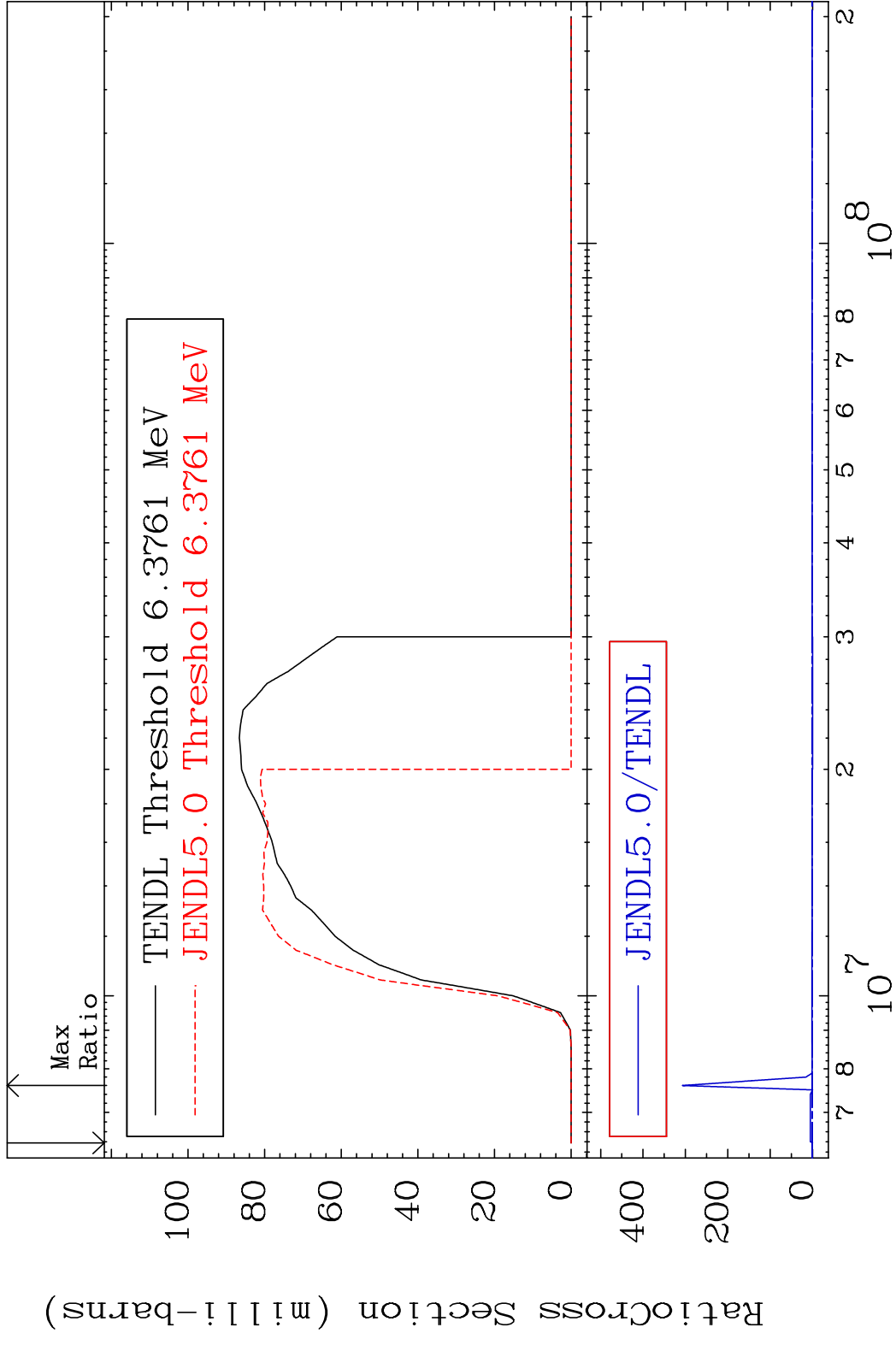
Cross Section -100.0 To 49.72 %



6

19-K -41

MAT 1931 (n, n')  $\alpha$  19-K -41  
 Cross Section -100.0 To 9999. %

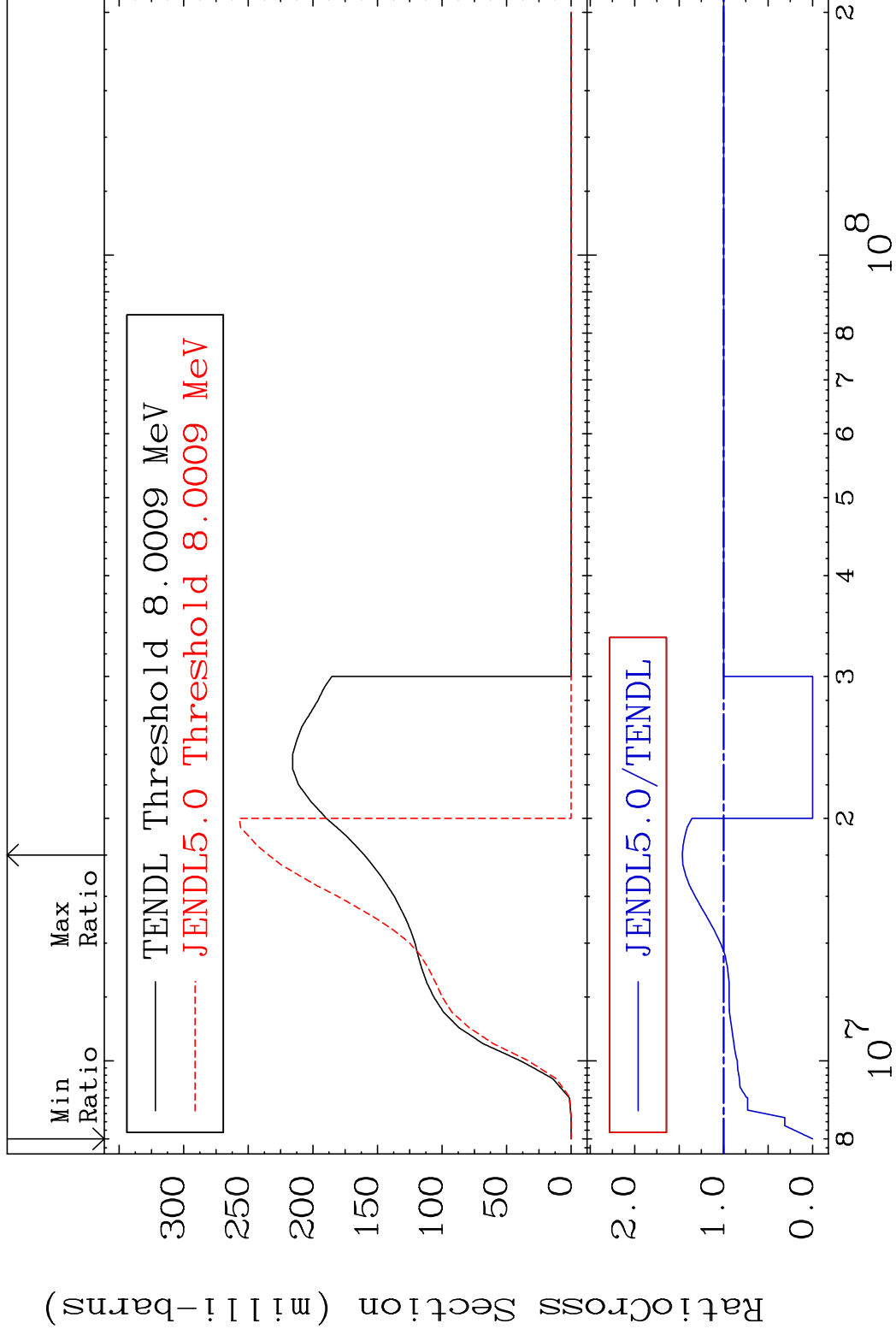


MAT 1931

(n, n') p

19-K -41

Cross Section -100.0 To 46.39 %

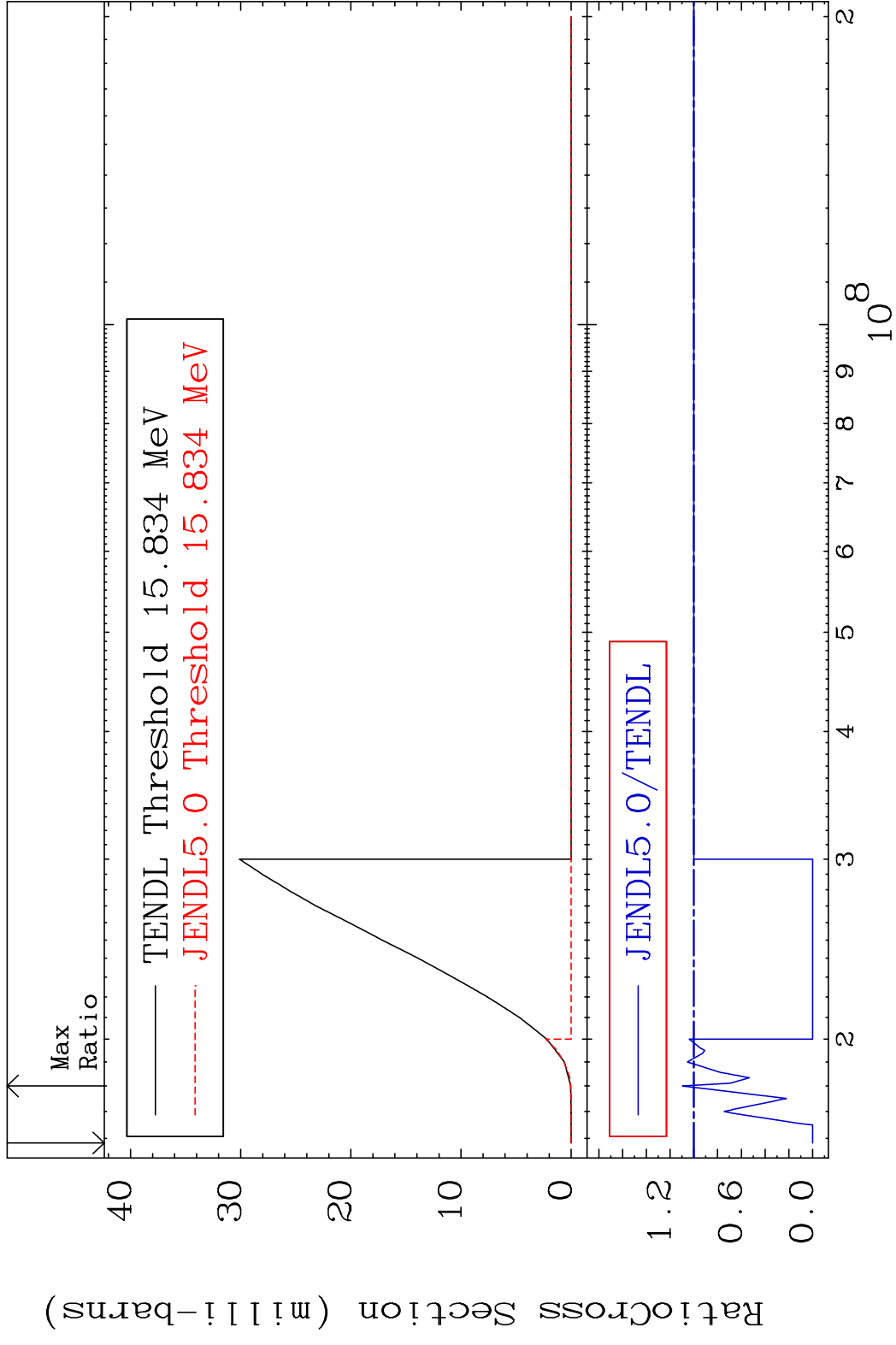


8

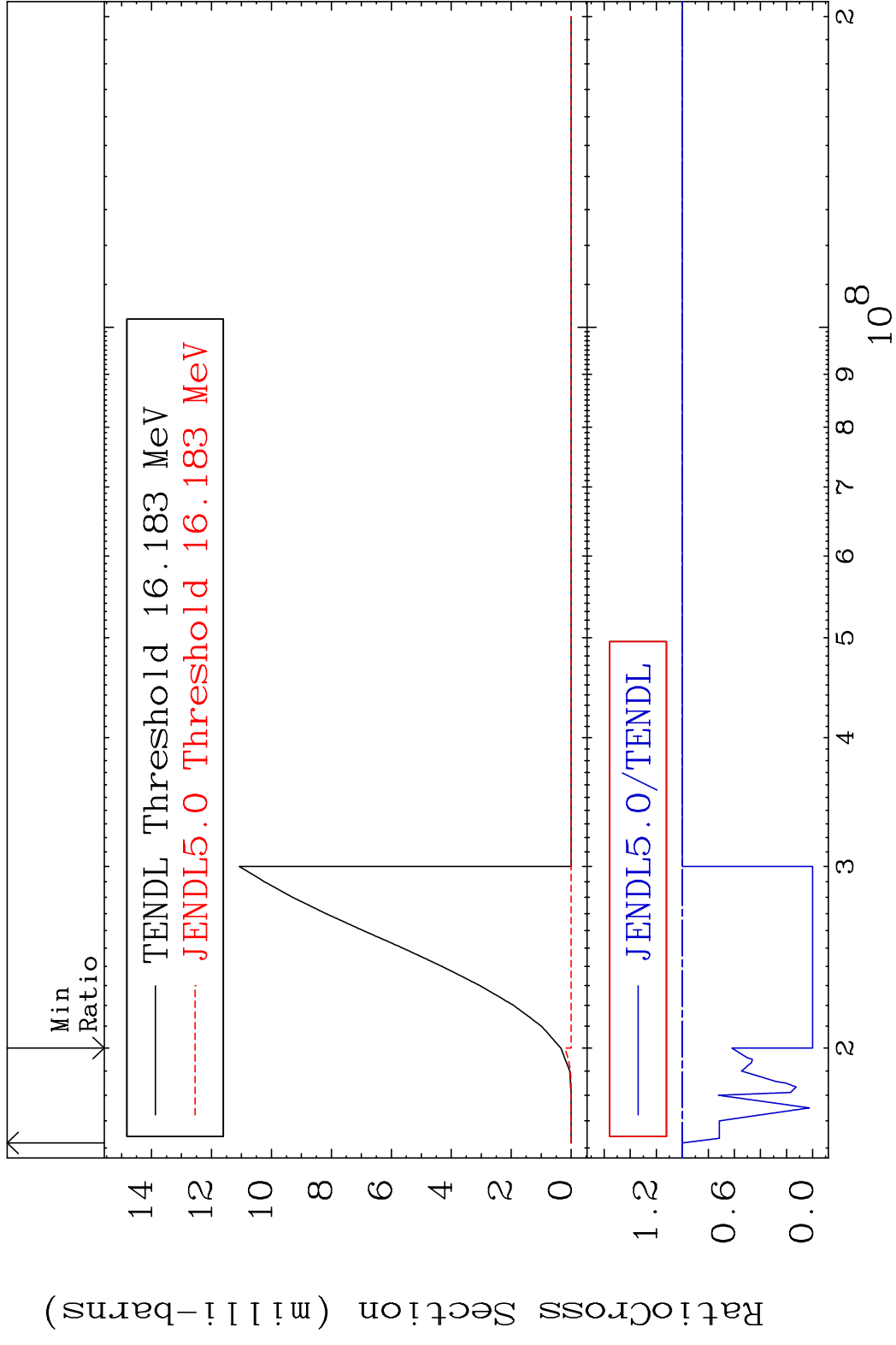
Incident Energy (eV)

19-K -41

MAT 1931 (n, n') d 19-K -41  
 Cross Section -100.0 To 9.700 %



MAT 1931 (n, n') t 19-K -41  
 Cross Section -100.0 To 0.000 %



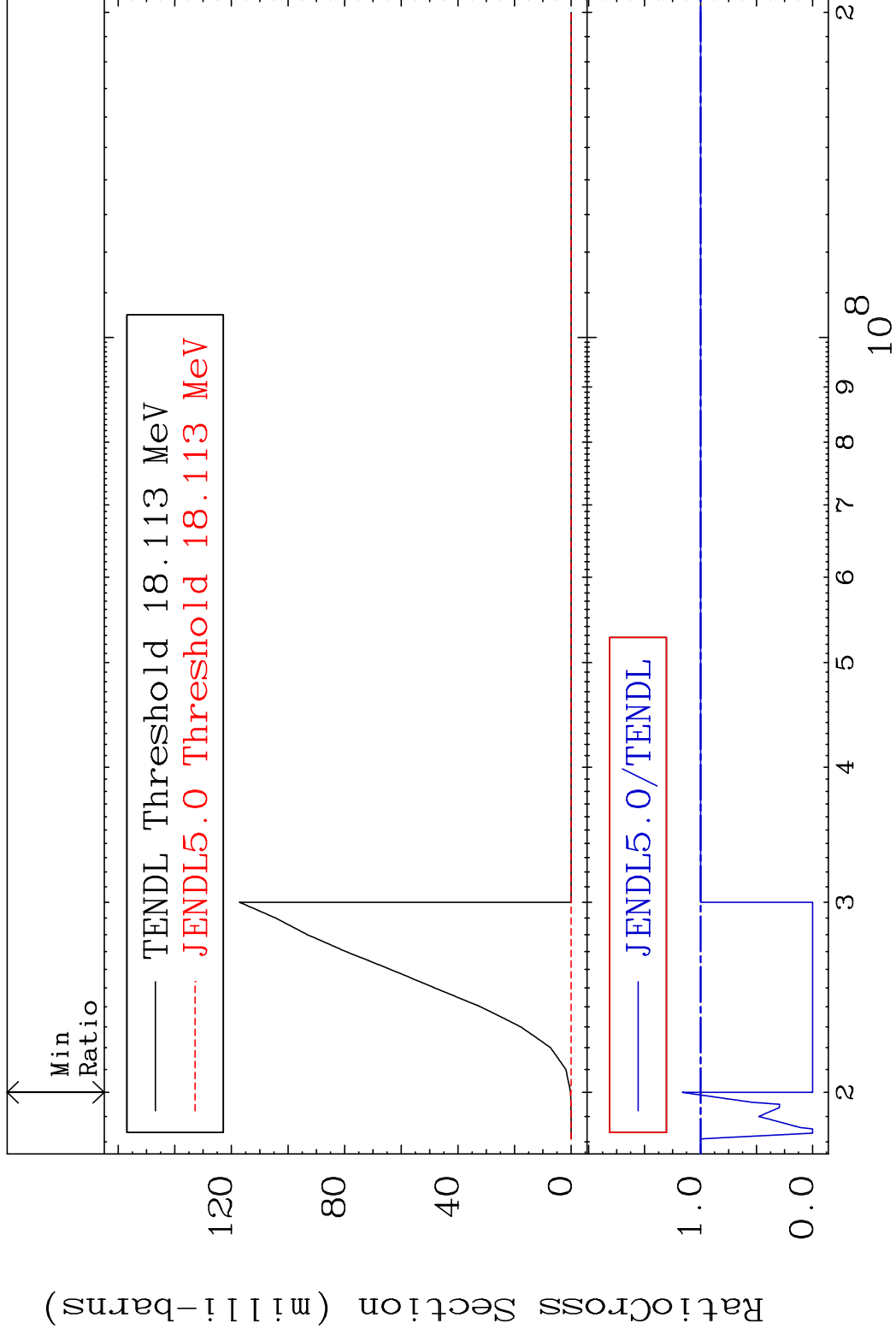
10 Incident Energy (eV) 19-K -41

MAT 1931

(n,2n) p

19-K -41

Cross Section -100.0 To 16.28 %



11

Incident Energy (eV)

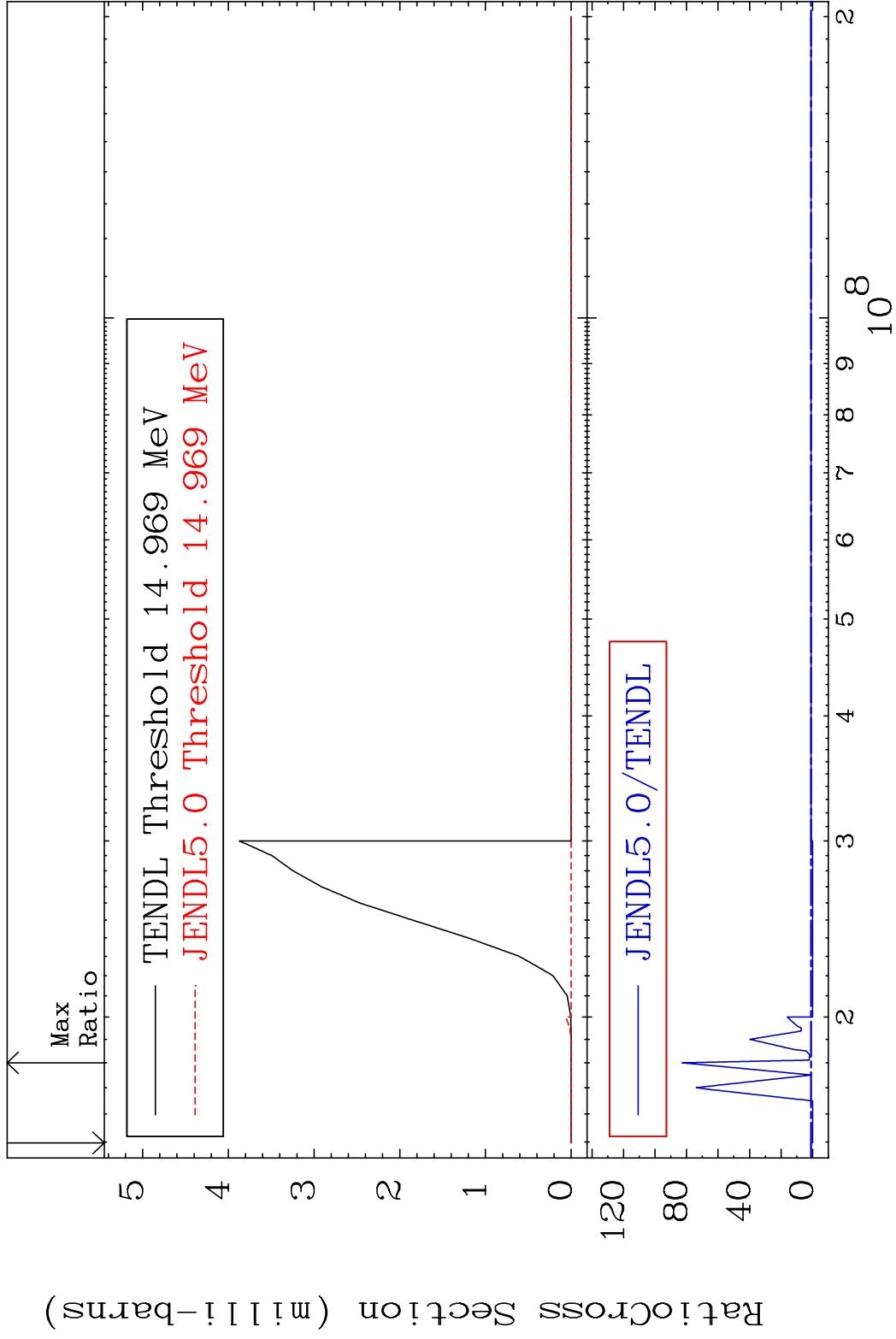
19-K -41

MAT 1931

(n,n') p  $\alpha$

19-K -41

Cross Section -100.0 To 8167. %

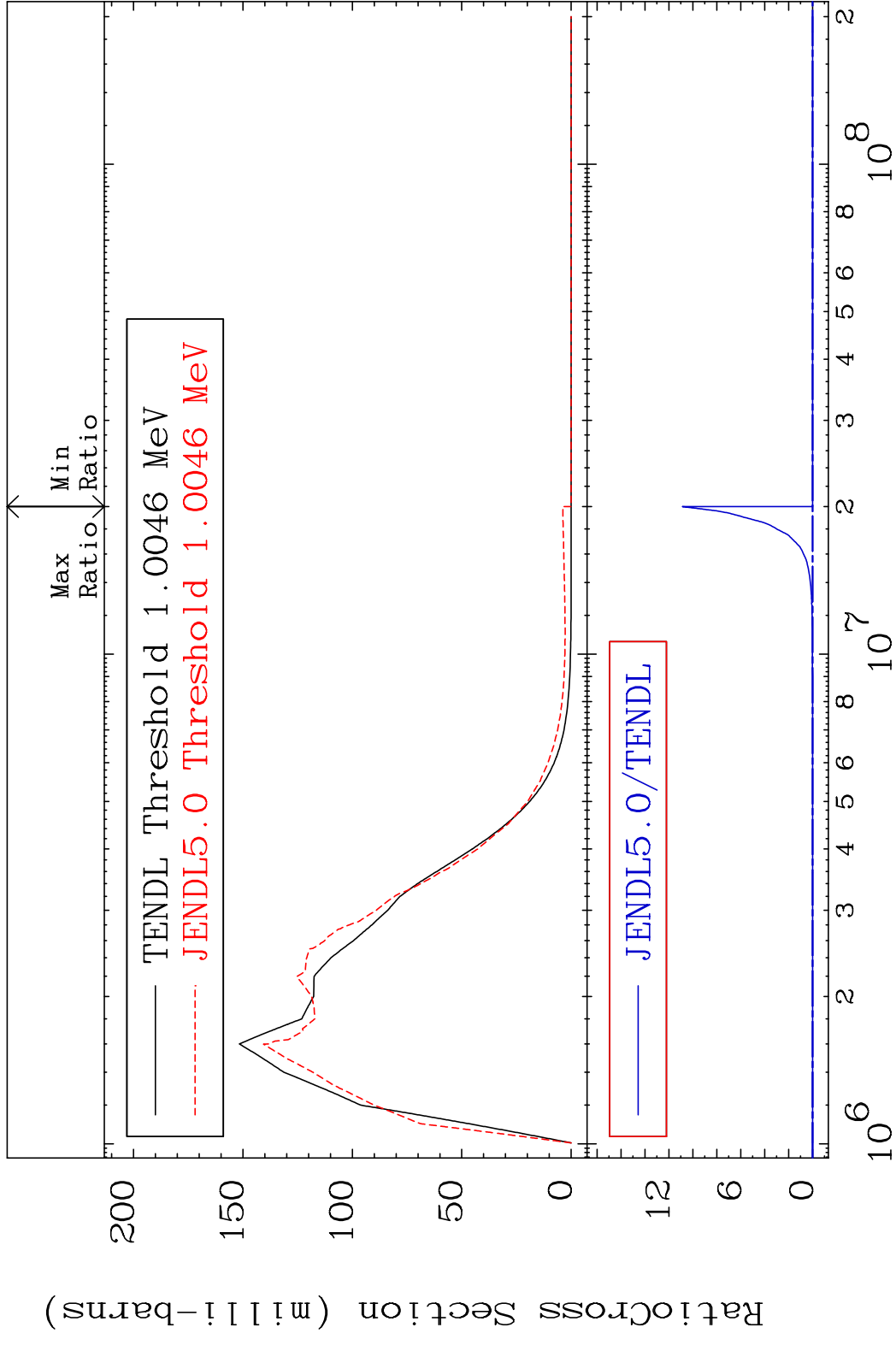


12

Incident Energy (eV)

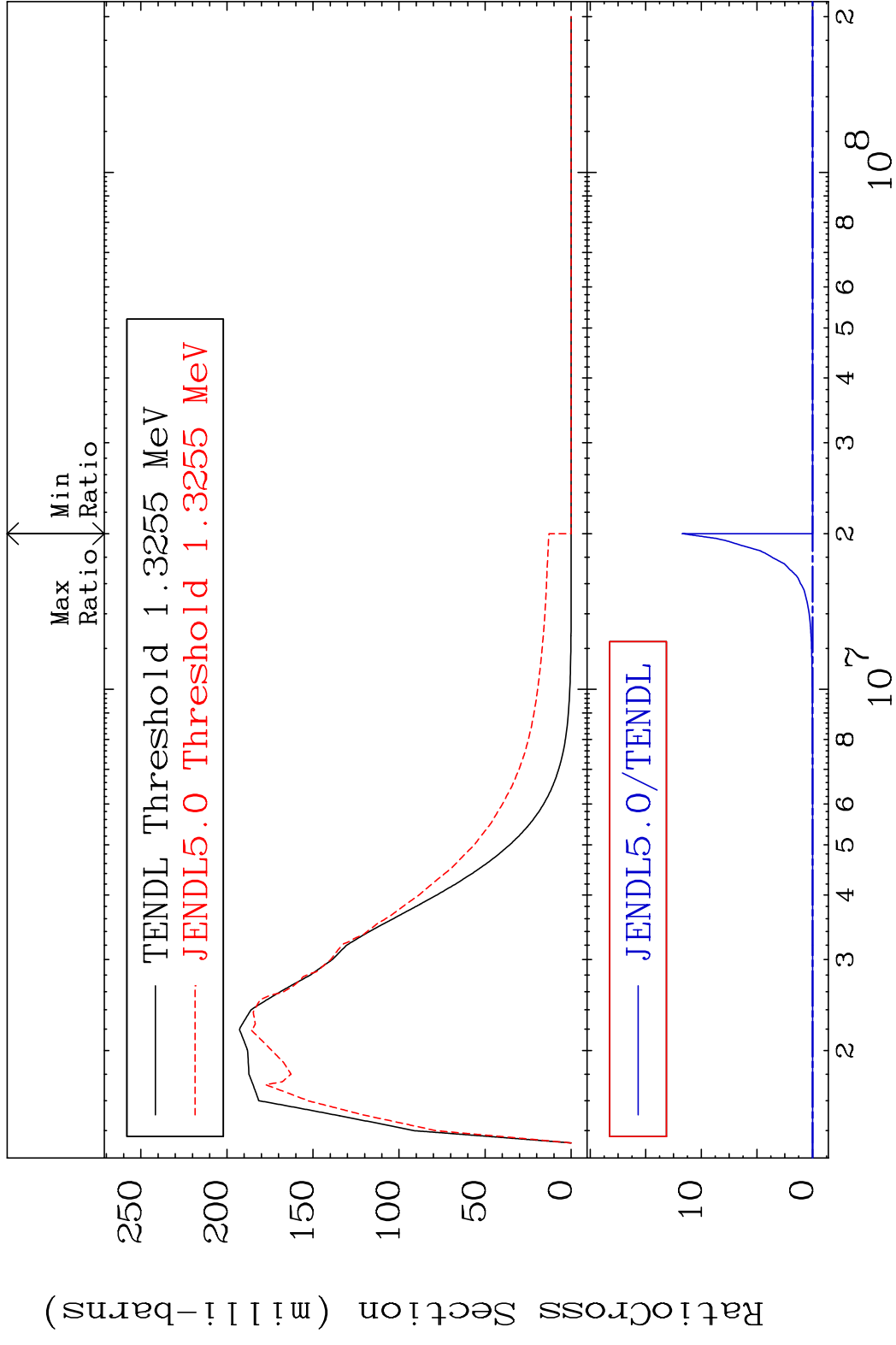
19-K -41

MAT 1931 MT= 51 (n, n') Level 19-K -41  
 Cross Section -100.0 To 9999. %



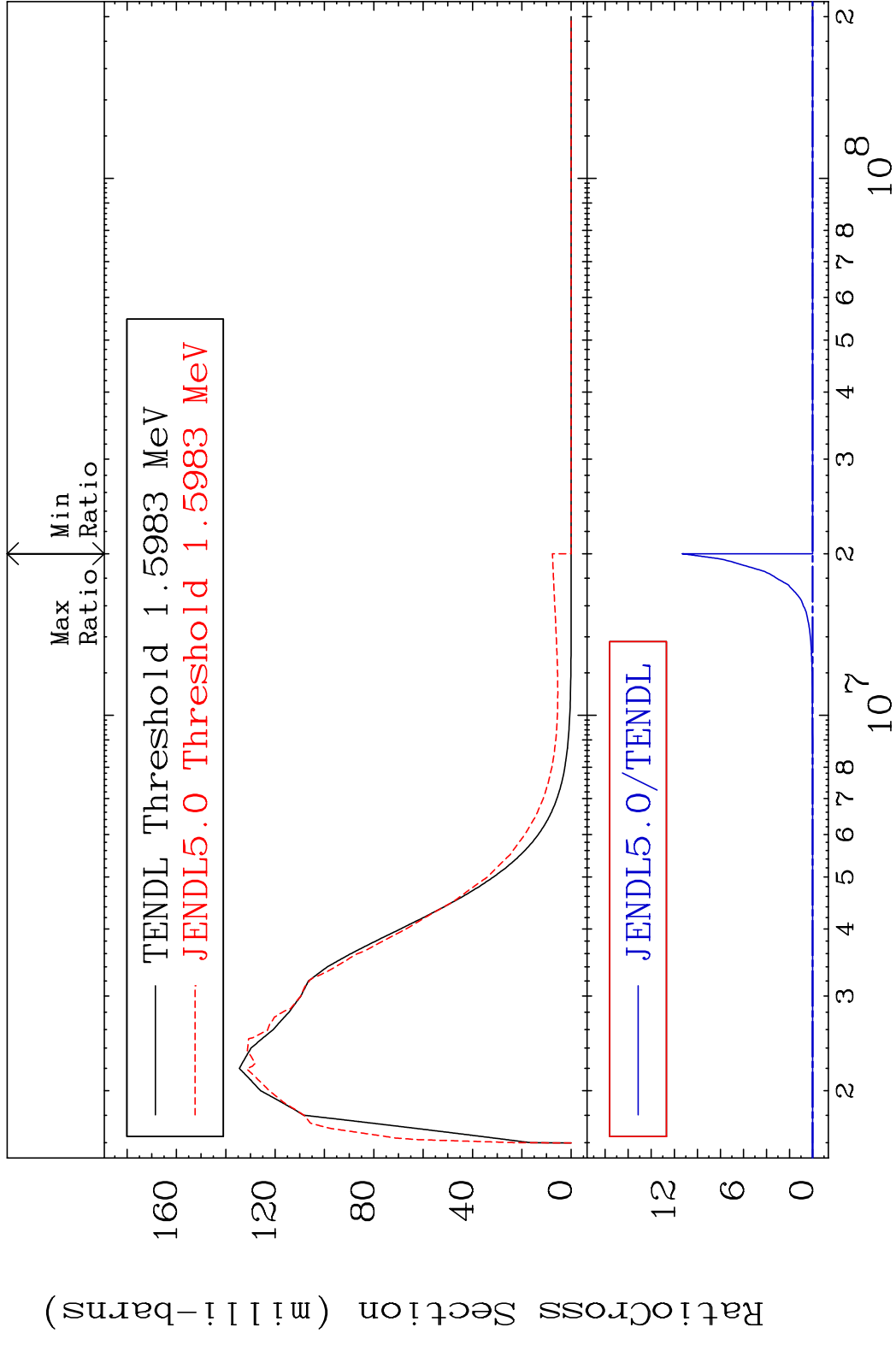
13 19-K -41

MAT 1931 MT= 52 (n, n') Level 19-K -41  
 Cross Section -100.0 To 9999. %



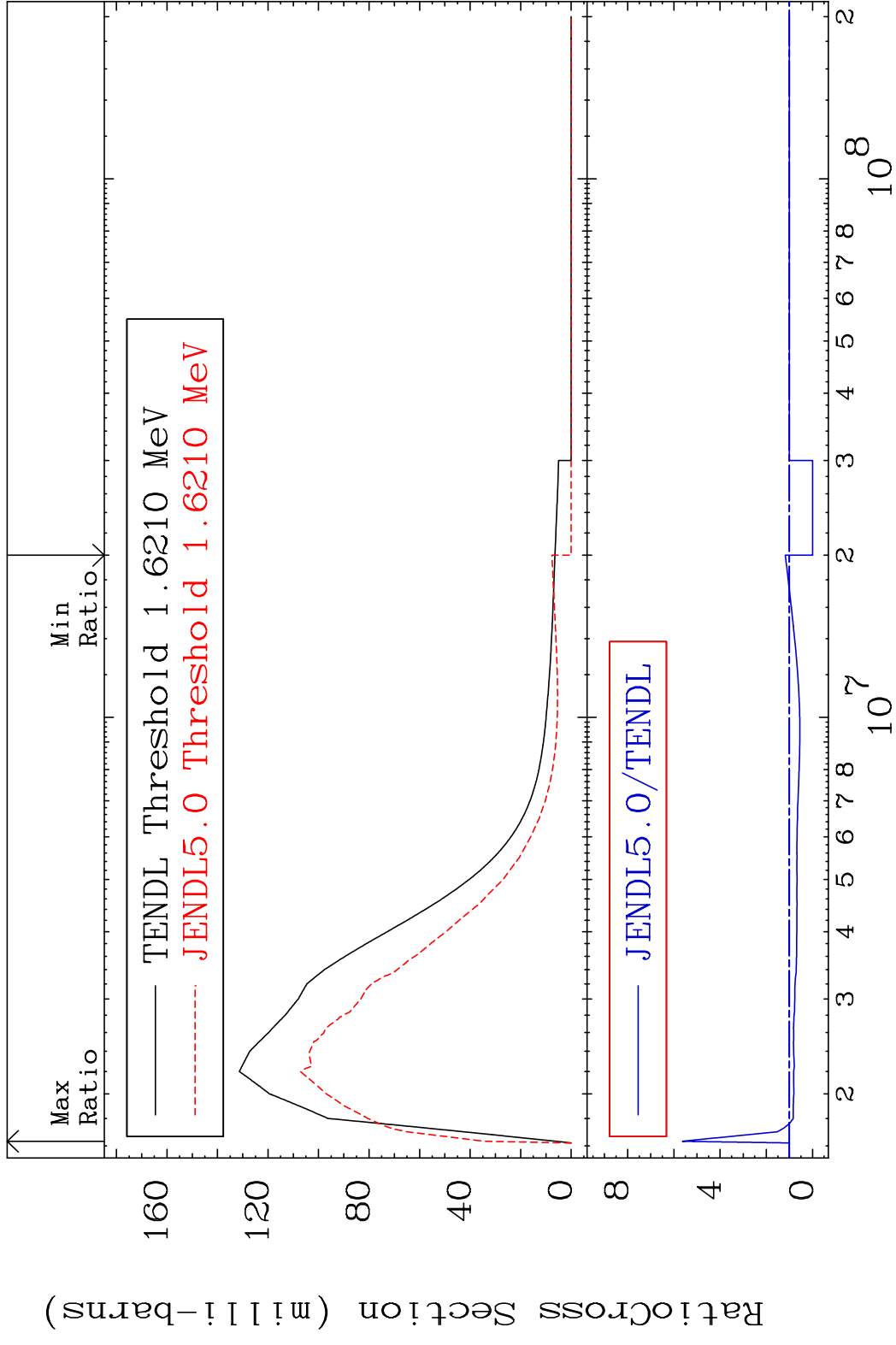
14 Incident Energy (eV) 19-K -41

MAT 1931 MT= 53 (n, n') Level 19-K -41  
 Cross Section -100.0 To 9999. %

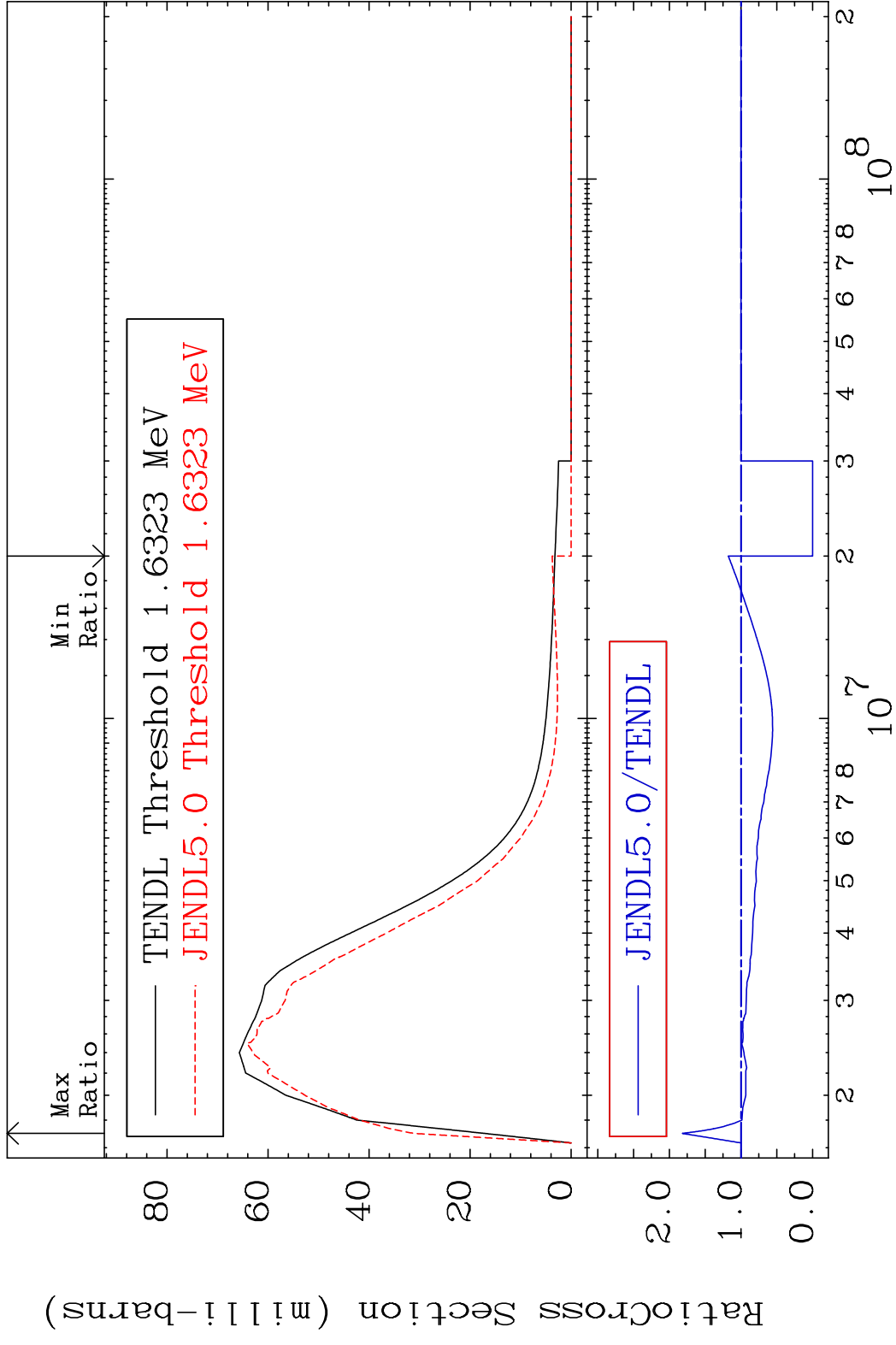


15 Incident Energy (eV) 19-K -41

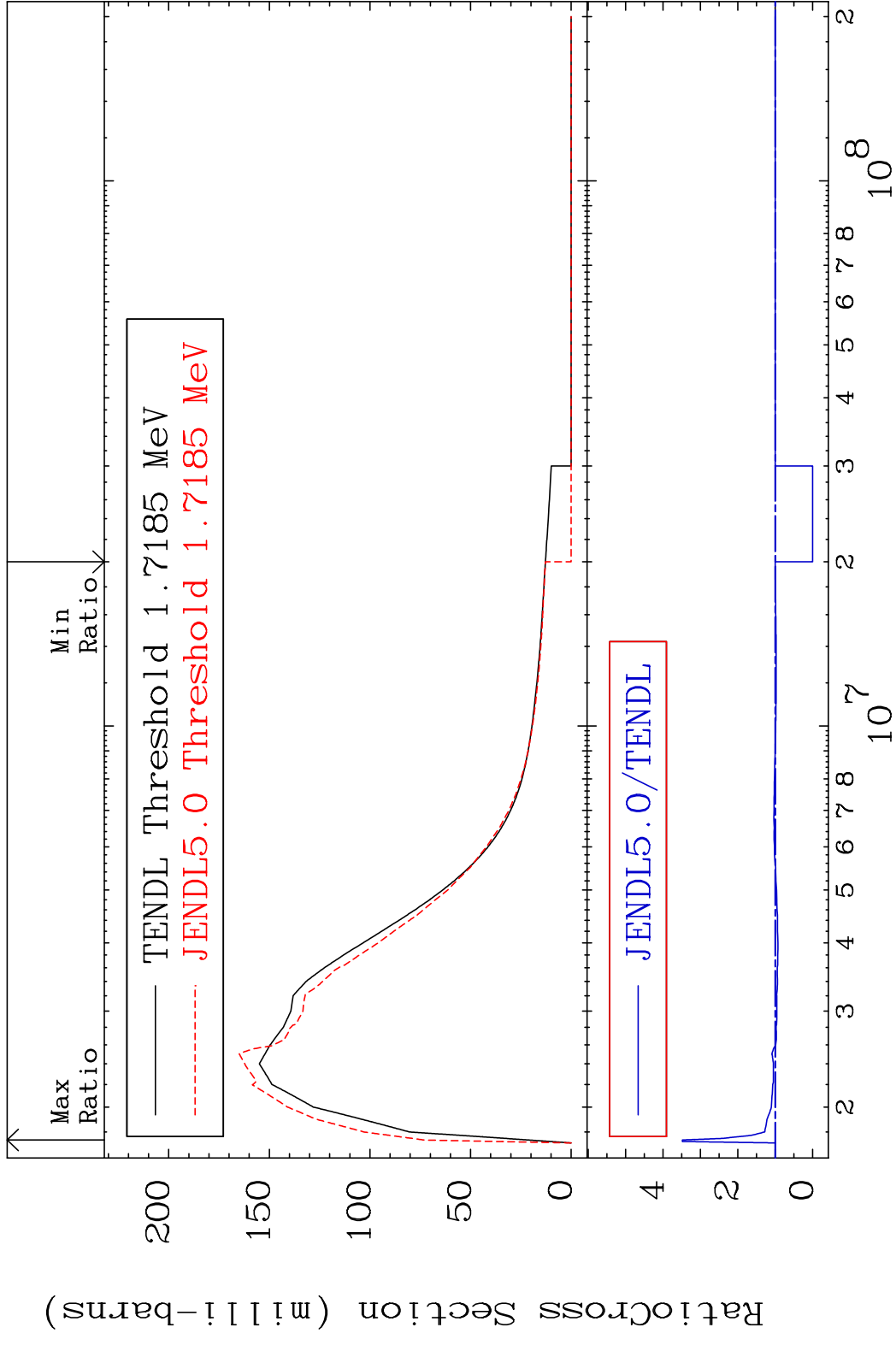
MAT 1931 MT= 54 (n, n') Level 19-K -41  
 Cross Section -100.0 To 463.2 %



MAT 1931 MT= 55 (n, n') Level 19-K -41  
 Cross Section -100.0 To 81.79 %

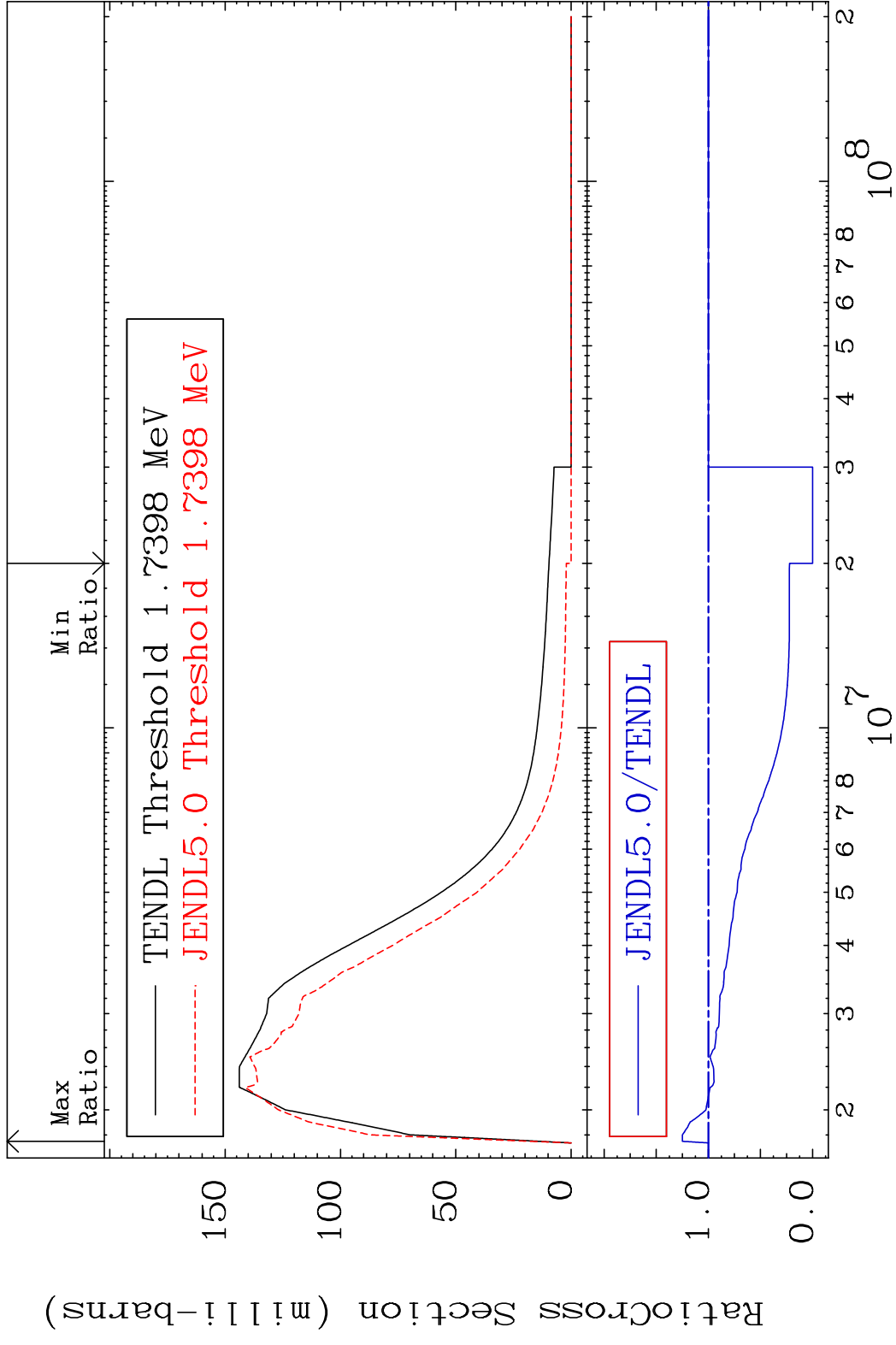


MAT 1931 MT= 56 (n, n') Level 19-K -41  
 Cross Section -100.0 To 248.4 %



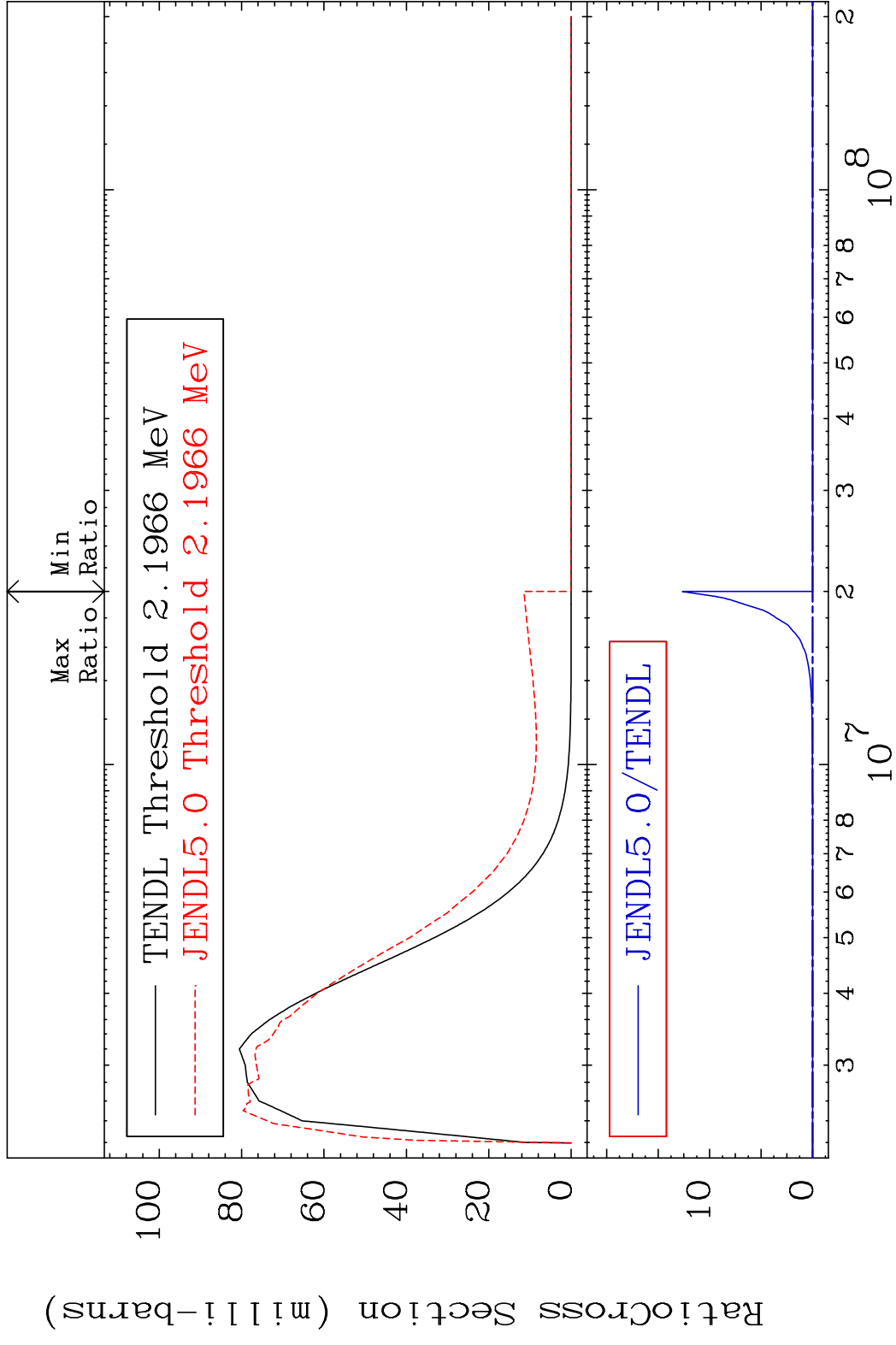
18 18 Incident Energy (eV) 19-K -41

MAT 1931 MT= 57 (n, n') Level 19-K -41  
 Cross Section -100.0 To 24.95 %



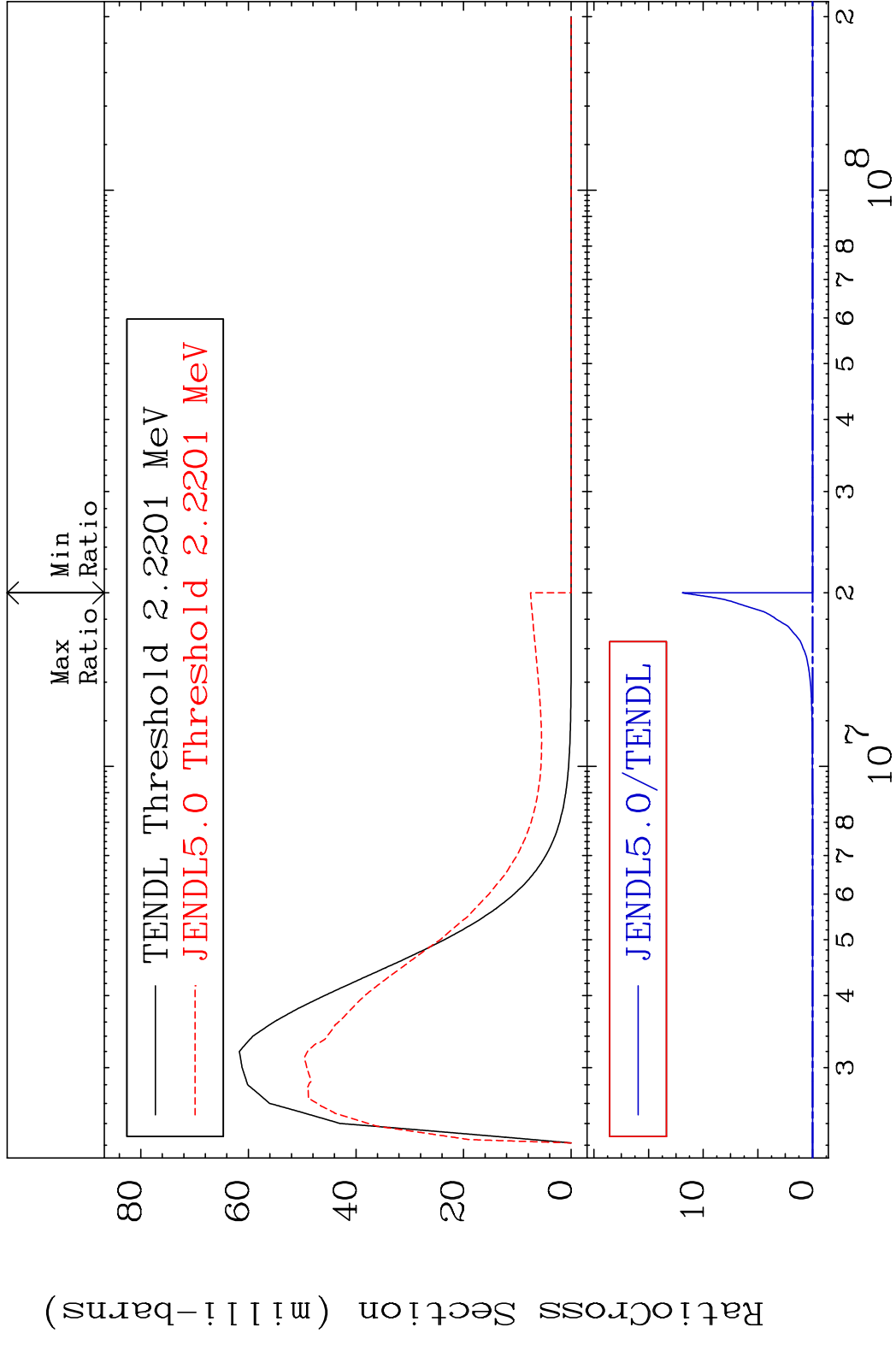
19 19-K -41

MAT 1931 MT= 58 (n, n') Level 19-K -41  
 Cross Section -100.0 To 9999. %



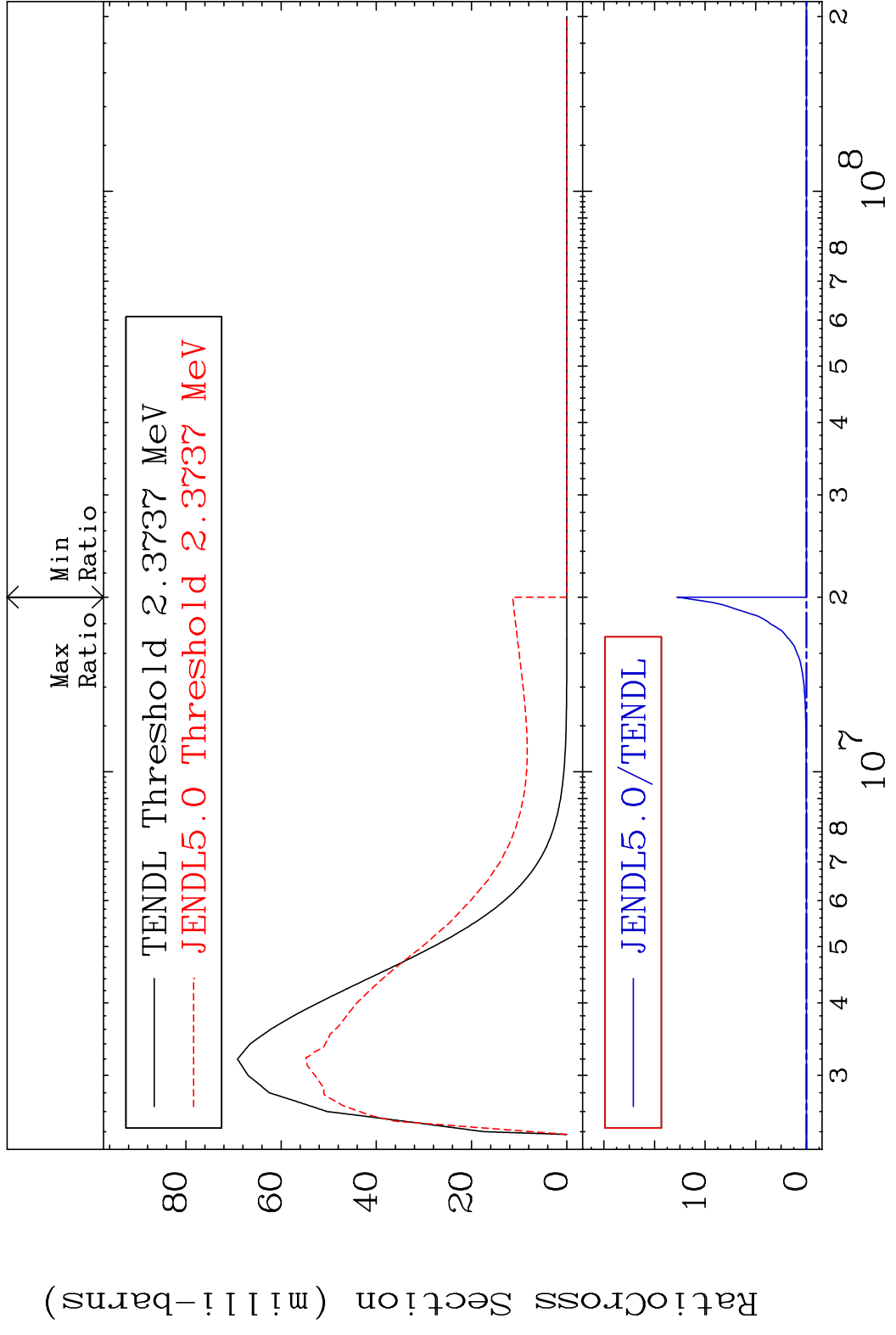
20 Incident Energy (eV) 19-K -41

MAT 1931 MT= 59 (n, n') Level 19-K -41  
 Cross Section -100.0 To 9999. %

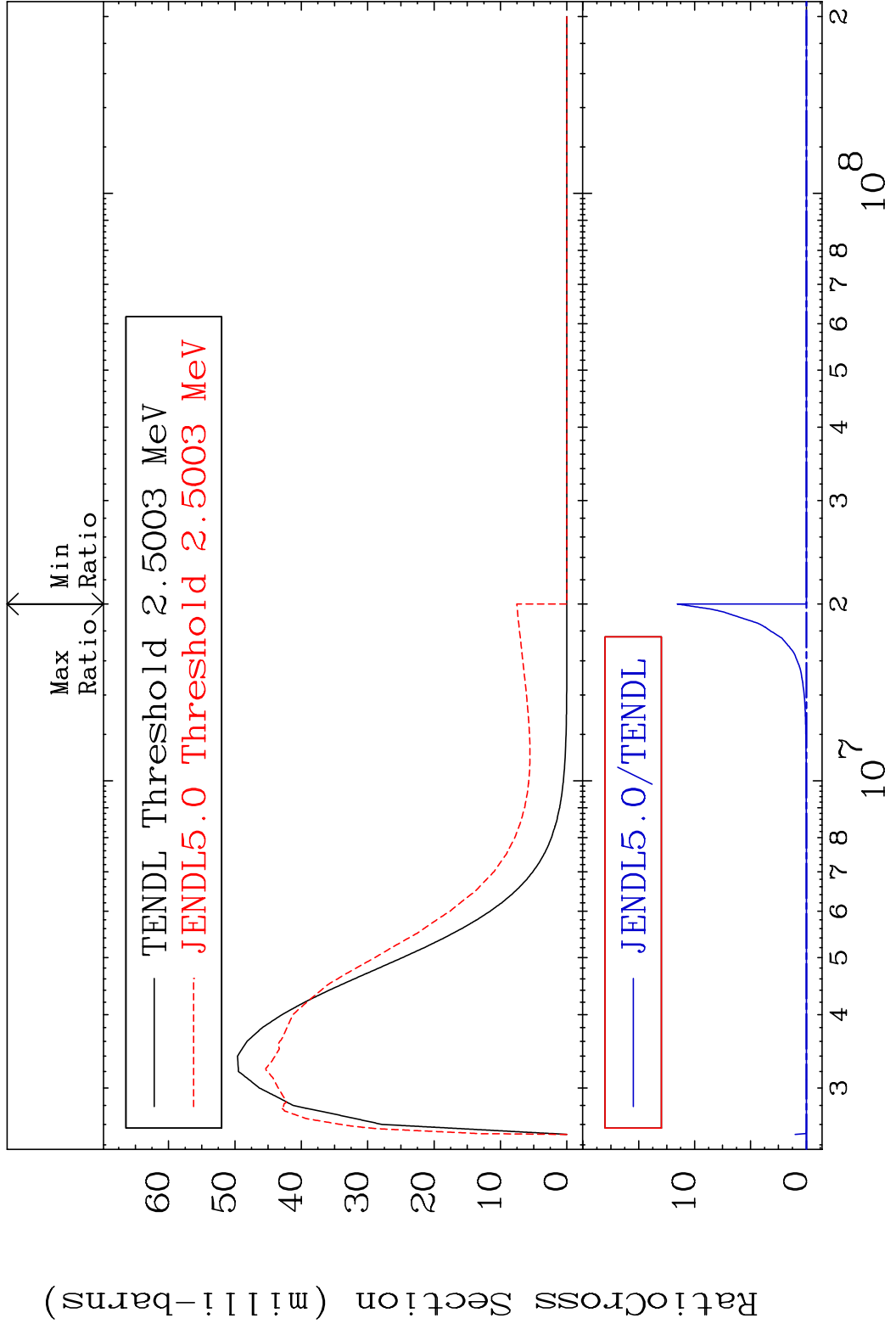


21 Incident Energy (eV) 19-K -41

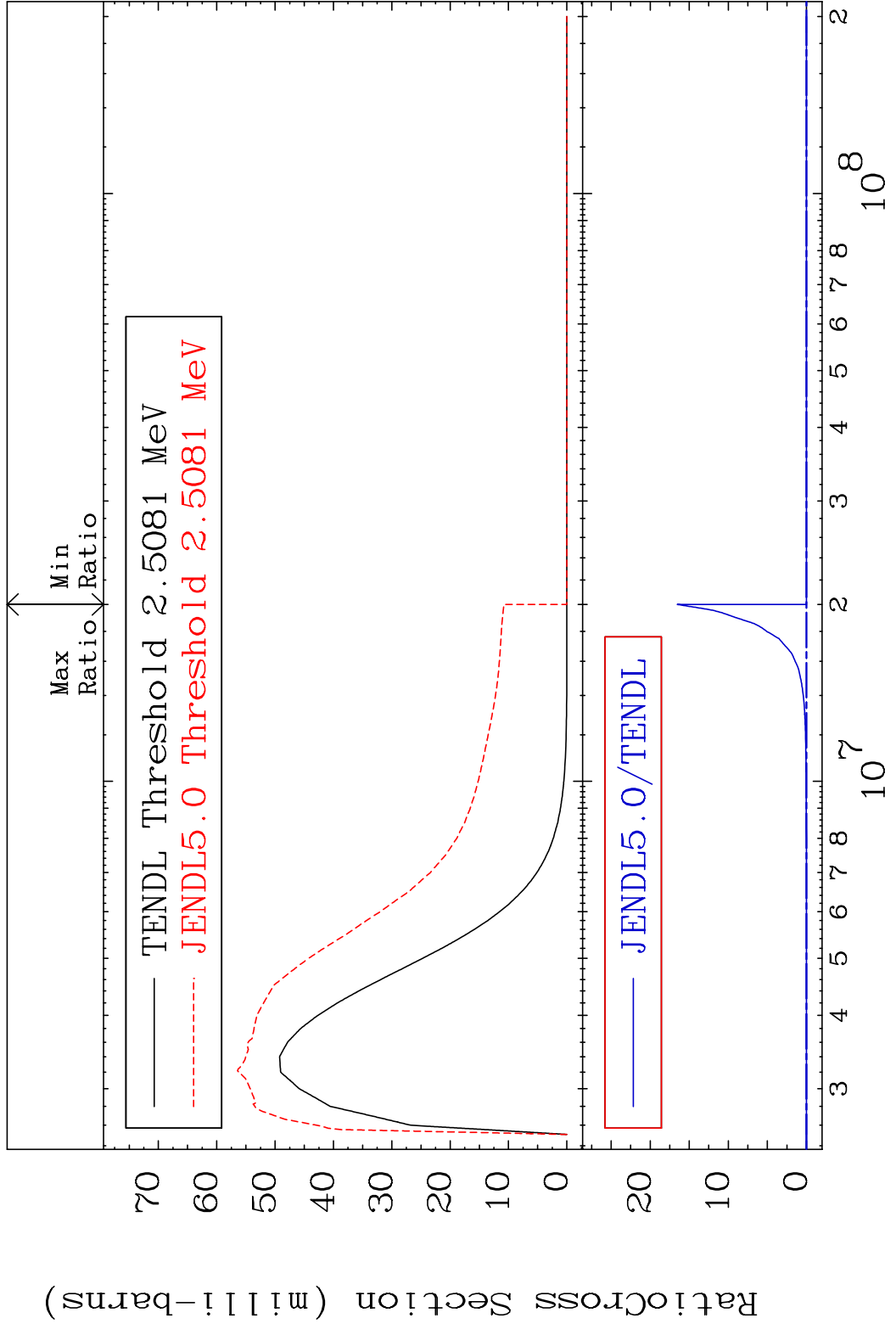
MAT 1931 MT= 60 (n, n') Level 19-K -41  
 Cross Section -100.0 To 9999. %



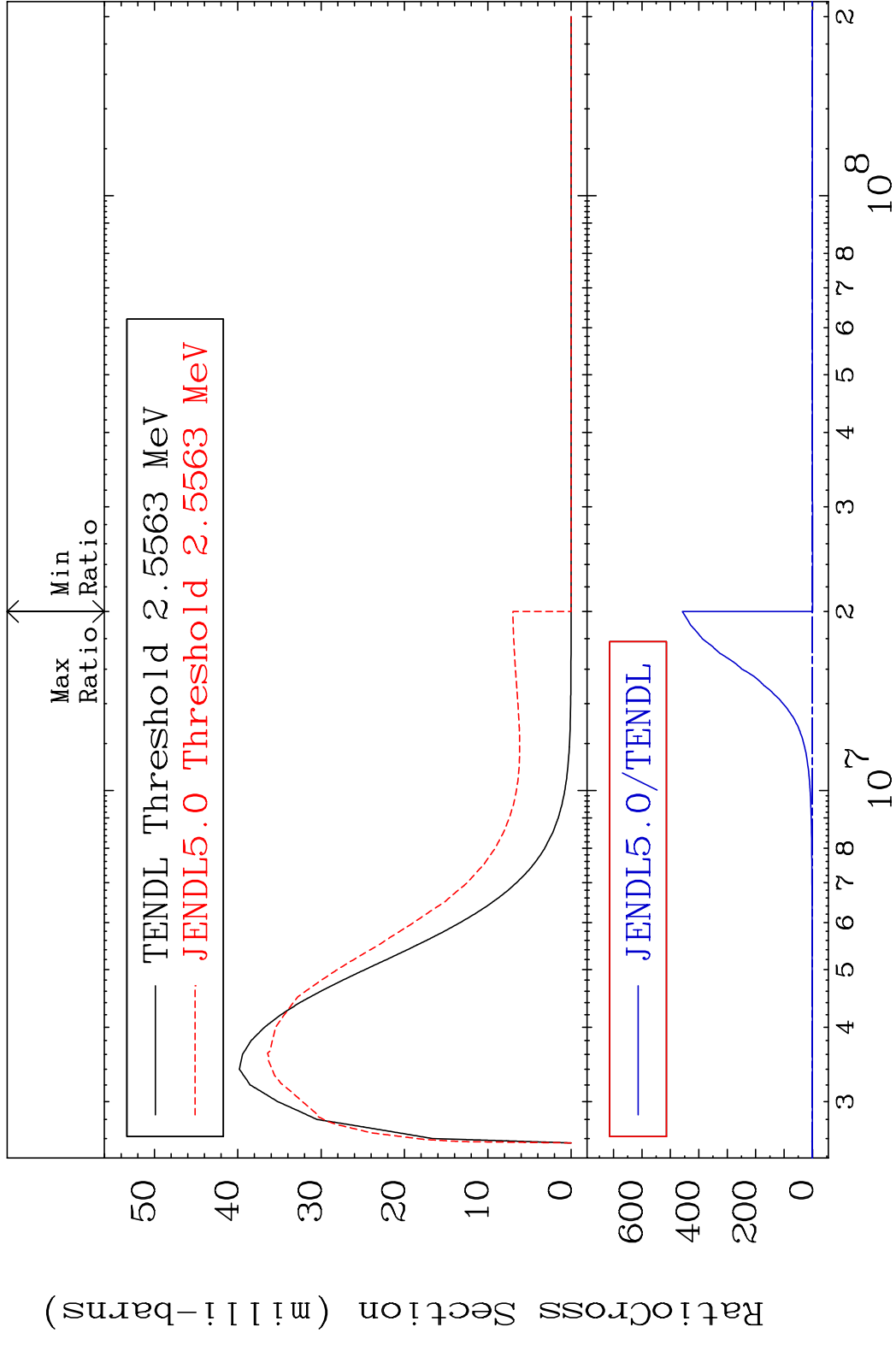
MAT 1931 MT= 61 (n, n') Level 19-K -41  
 Cross Section -100.0 To 9999. %



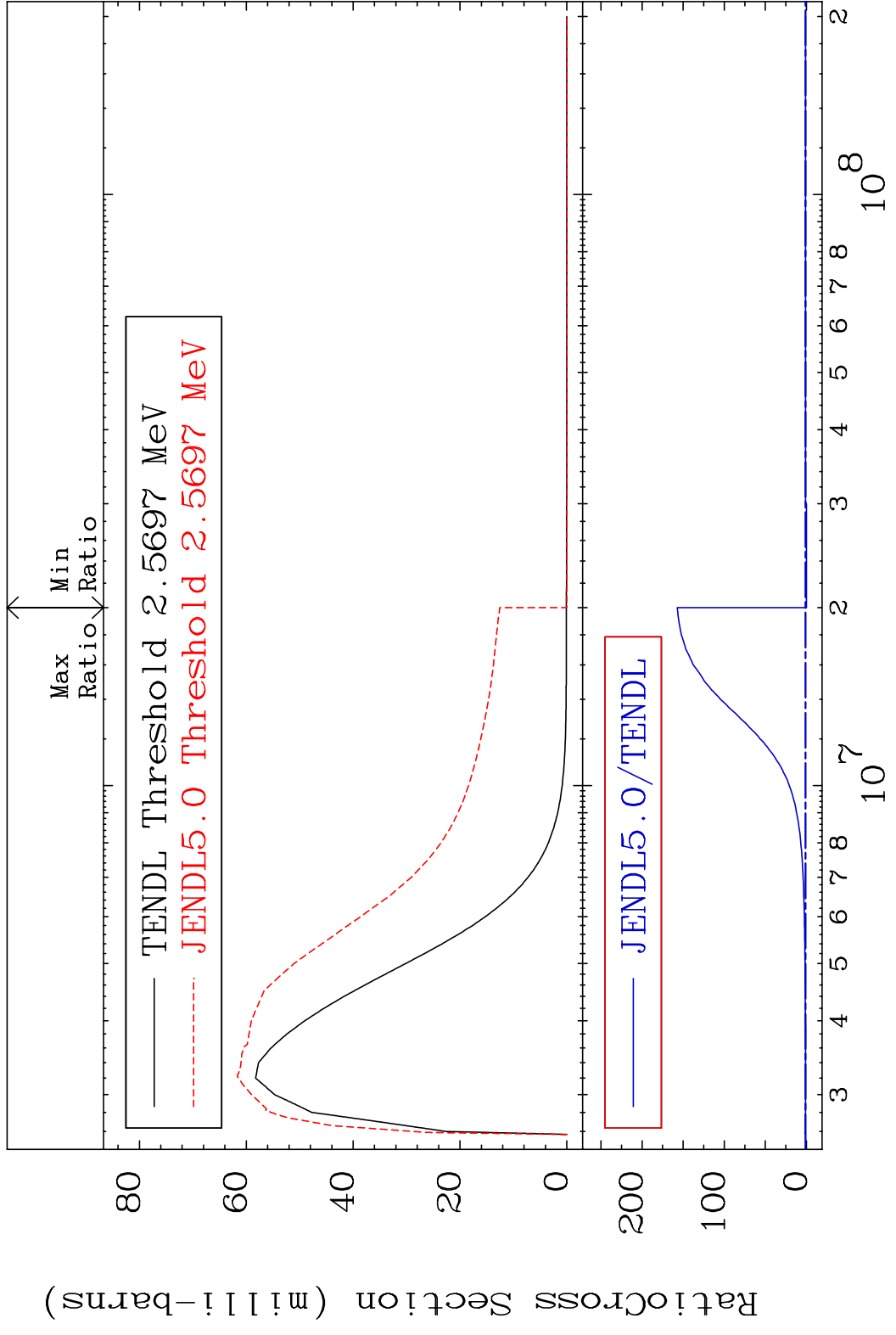
MAT 1931 MT= 62 (n, n') Level 19-K -41  
 Cross Section -100.0 To 9999. %



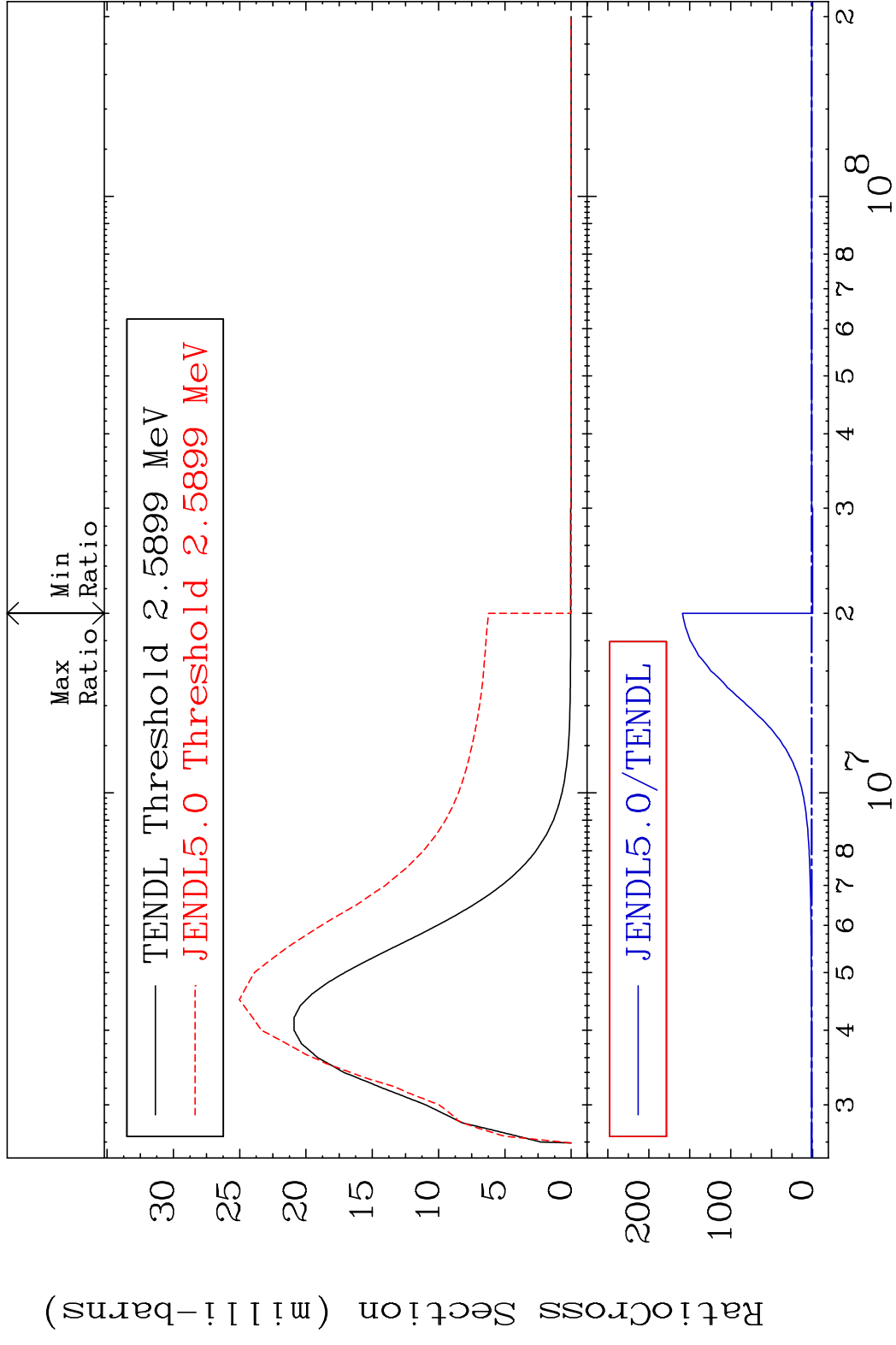
MAT 1931 MT= 63 (n, n') Level 19-K -41  
 Cross Section -100.0 To 9999. %



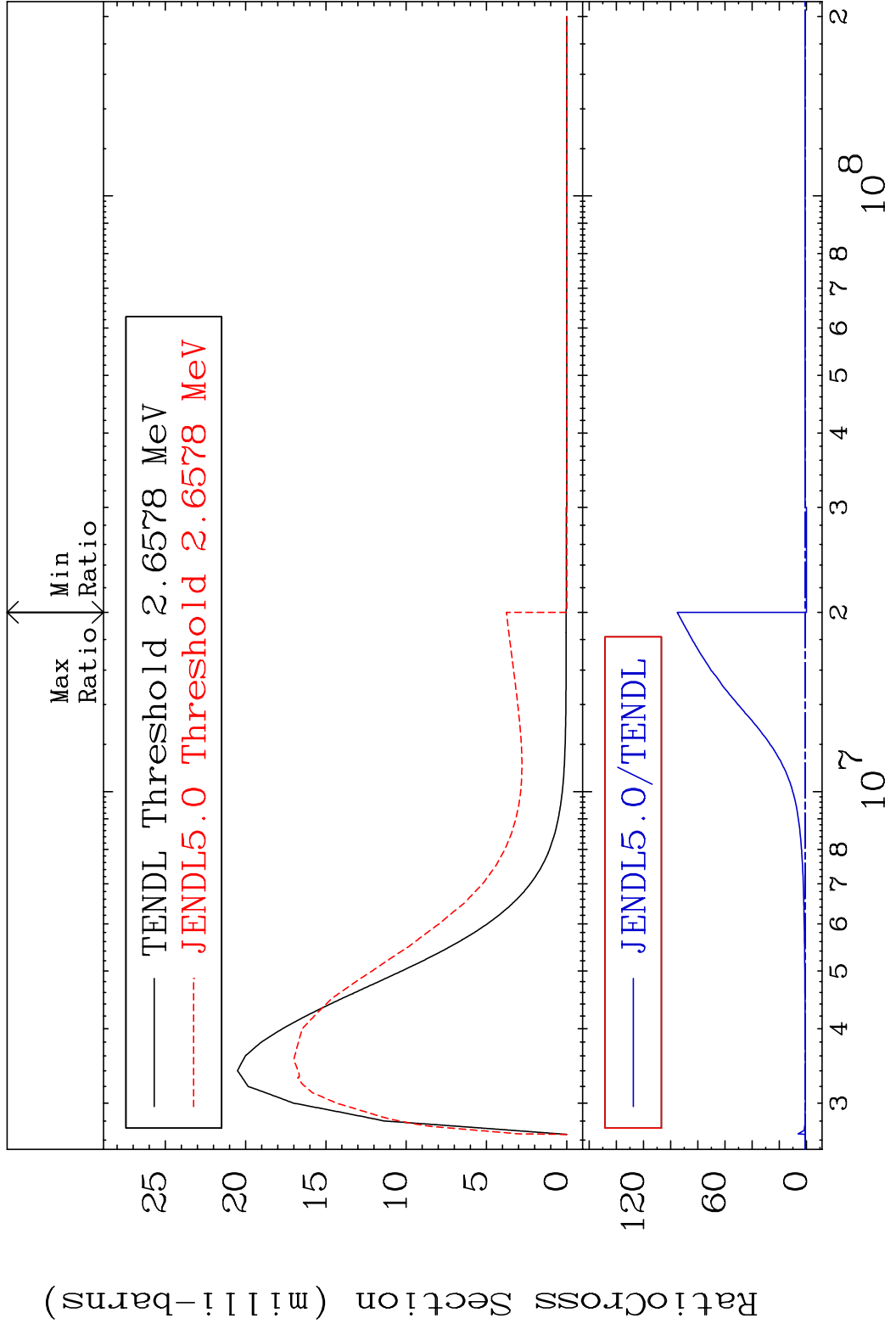
MAT 1931 MT= 64 (n,n') Level 19-K -41  
 Cross Section -100.0 To 9999. %



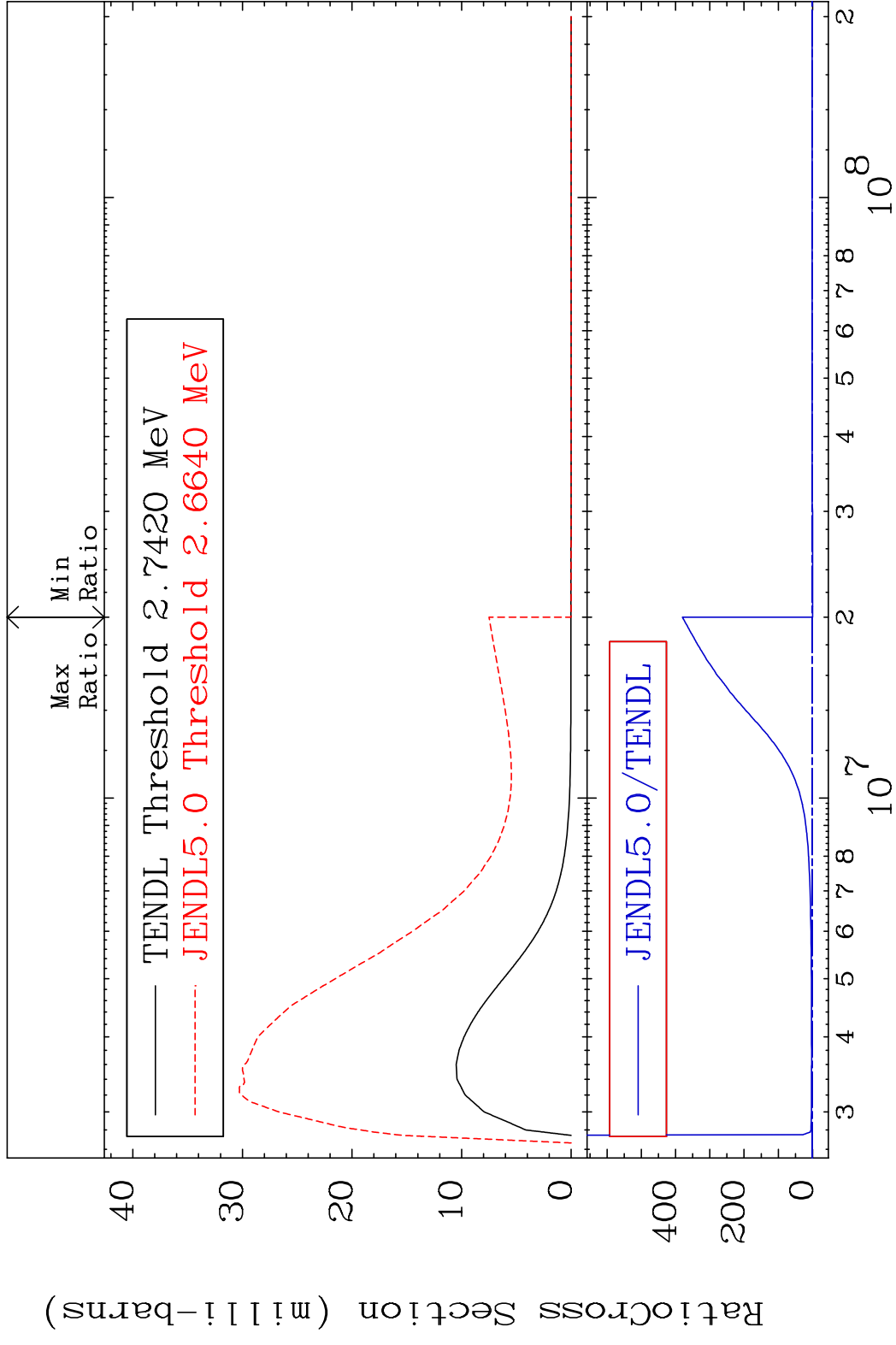
MAT 1931 MT= 65 (n, n') Level 19-K -41  
 Cross Section -100.0 To 9999. %



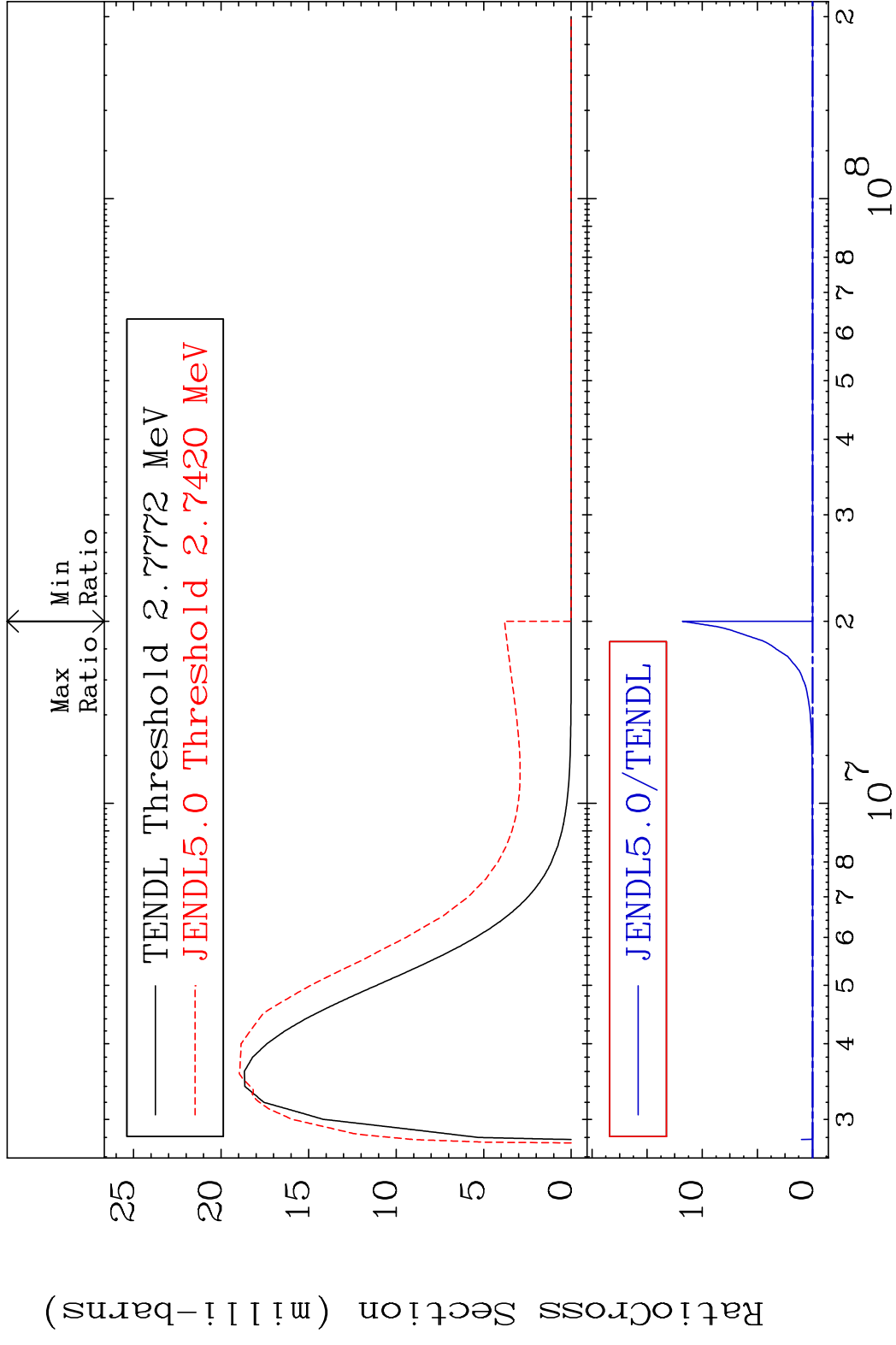
MAT 1931 MT= 66 (n, n') Level 19-K -41  
 Cross Section -100.0 To 9420. %



MAT 1931 MT= 67 (n, n') Level 19-K -41  
 Cross Section -100.0 To 9999. %

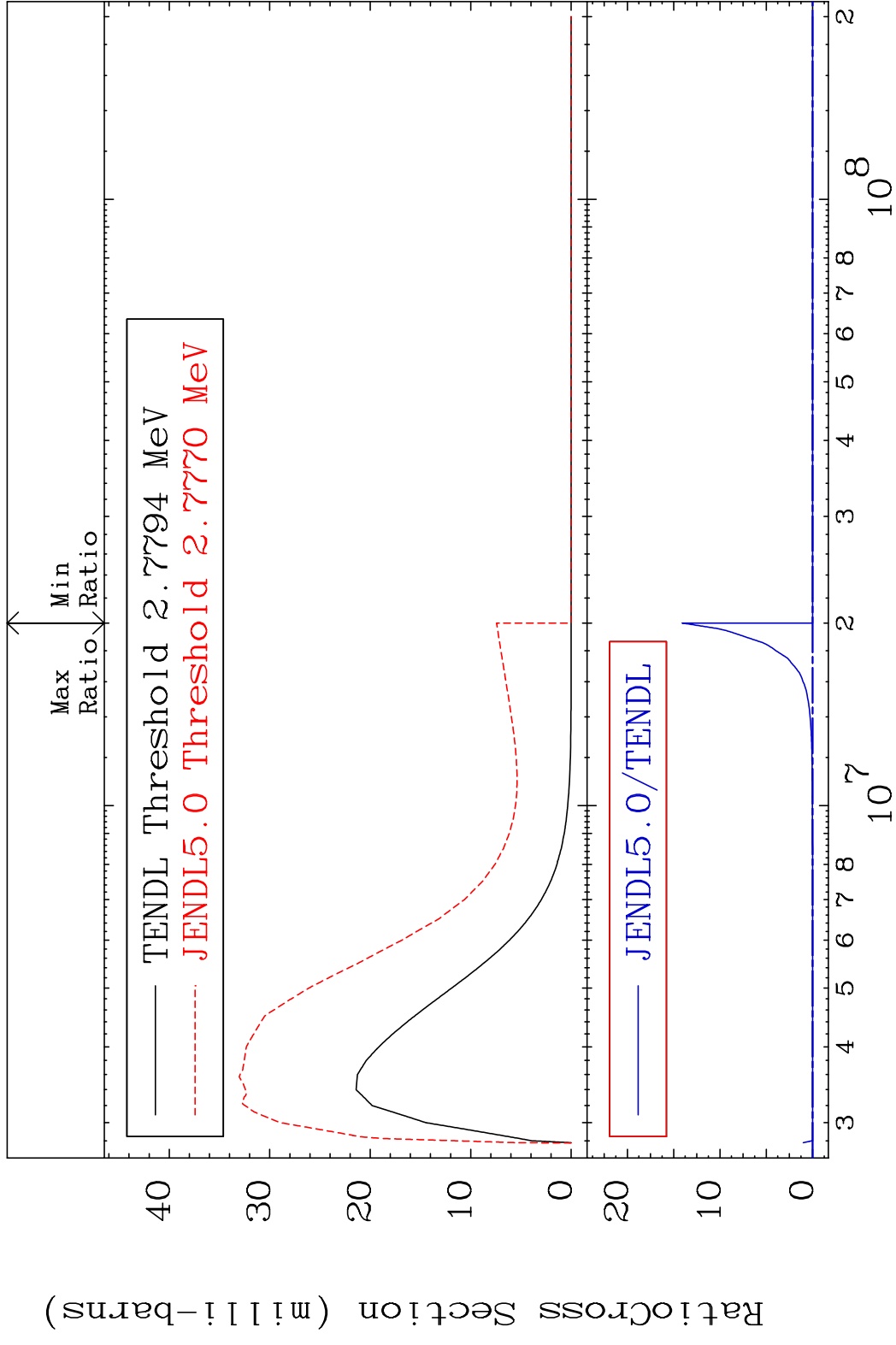


MAT 1931 MT= 68 (n, n') Level 19-K -41  
 Cross Section -100.0 To 9999. %

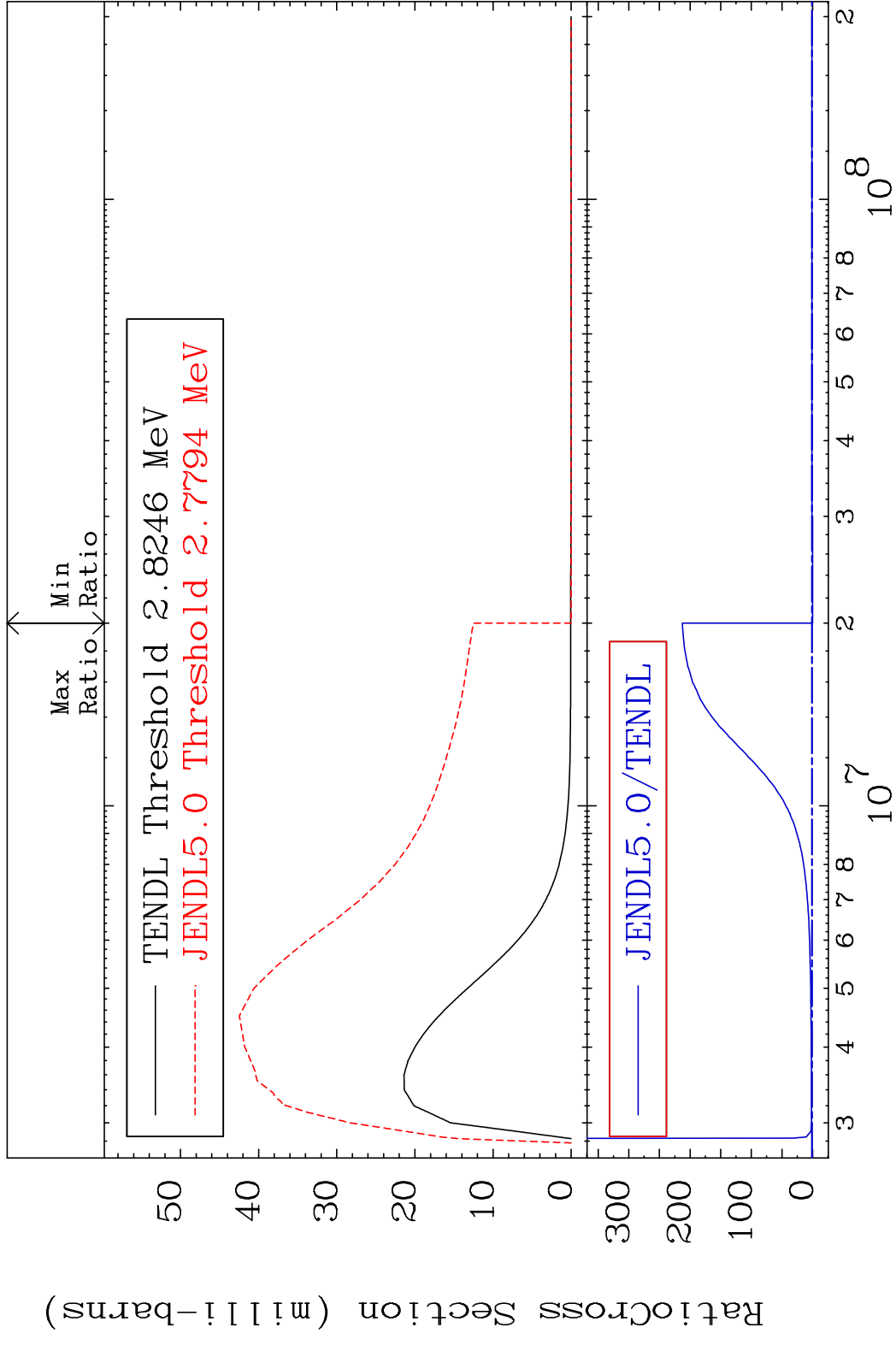


30 Incident Energy (eV) 19-K -41

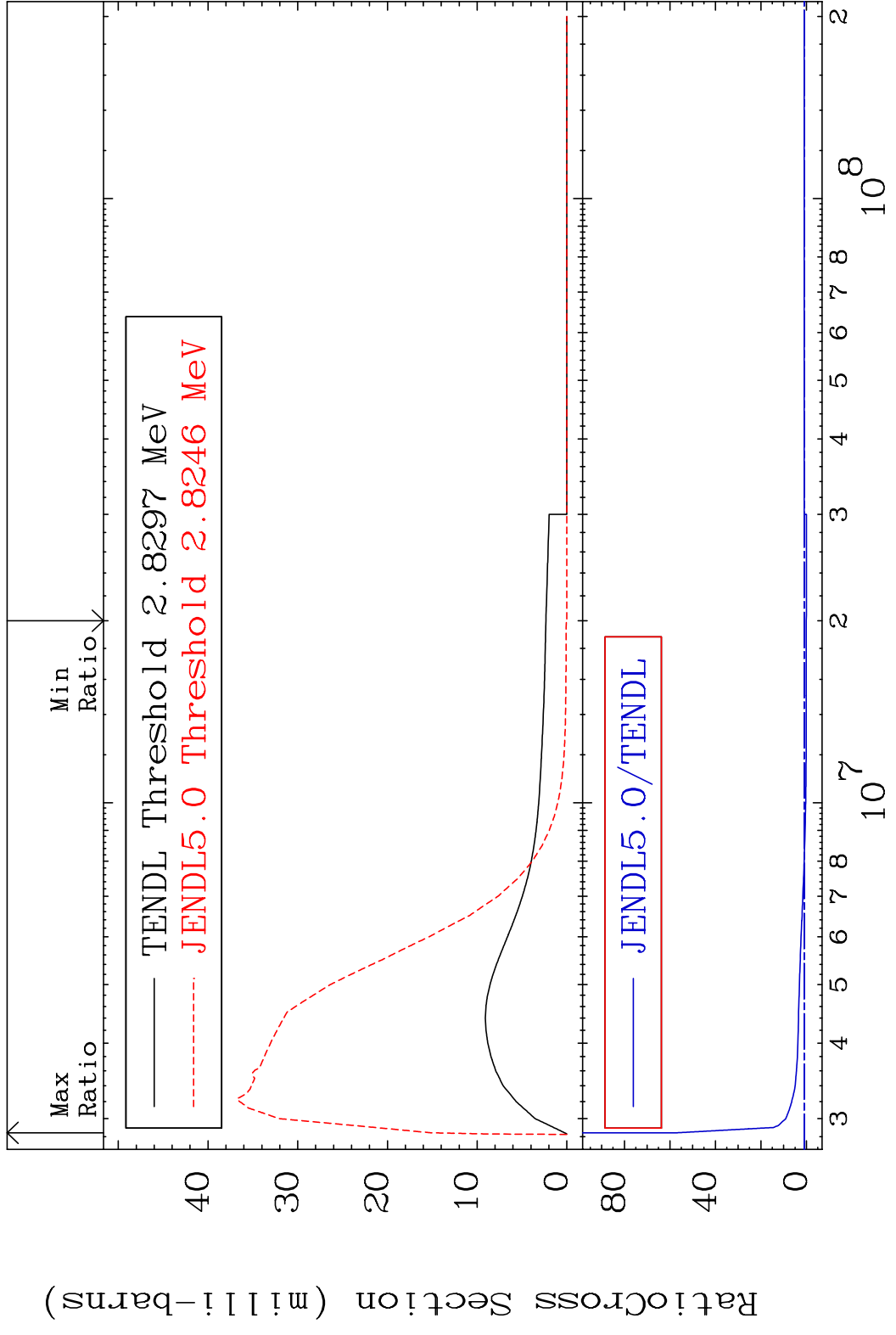
MAT 1931 MT= 69 (n, n') Level 19-K -41  
 Cross Section -100.0 To 9999. %



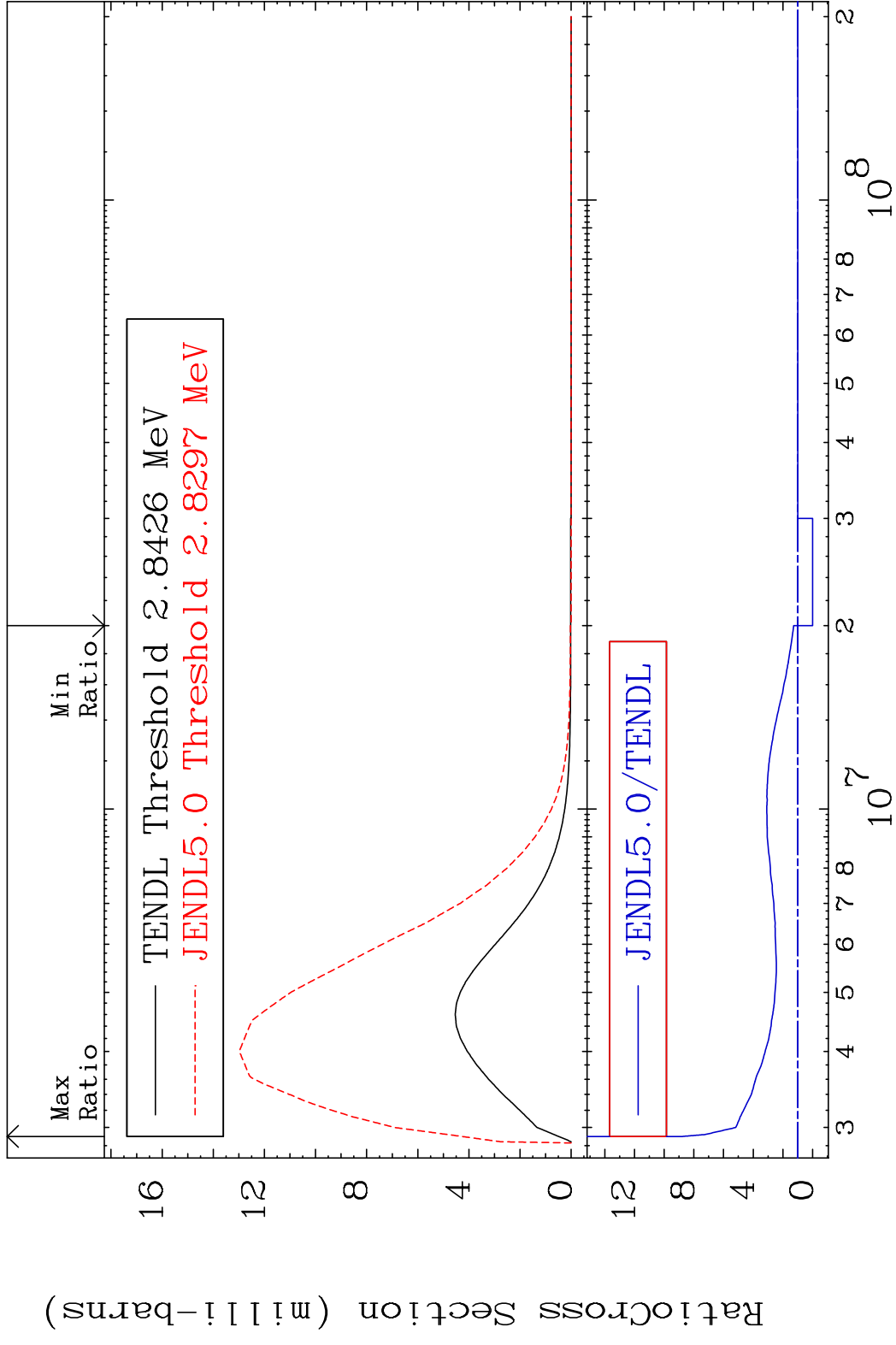
MAT 1931 MT= 70 (n,n') Level 19-K -41  
 Cross Section -100.0 To 9999. %



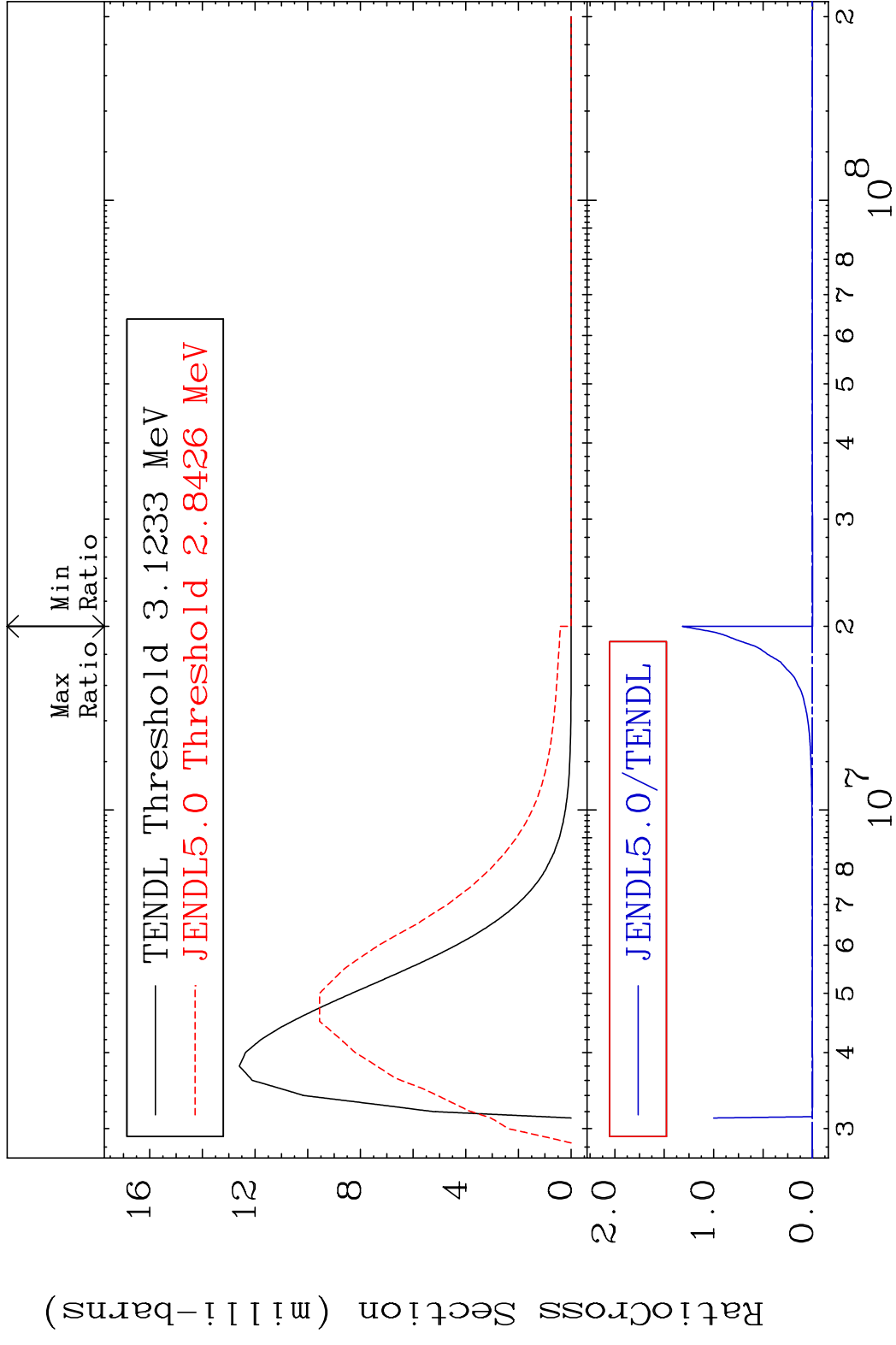
MAT 1931 MT= 71 (n,n') Level 19-K -41  
 Cross Section -100.0 To 5580. %



MAT 1931 MT= 72 (n,n') Level 19-K -41  
 Cross Section -100.0 To 777.5 %

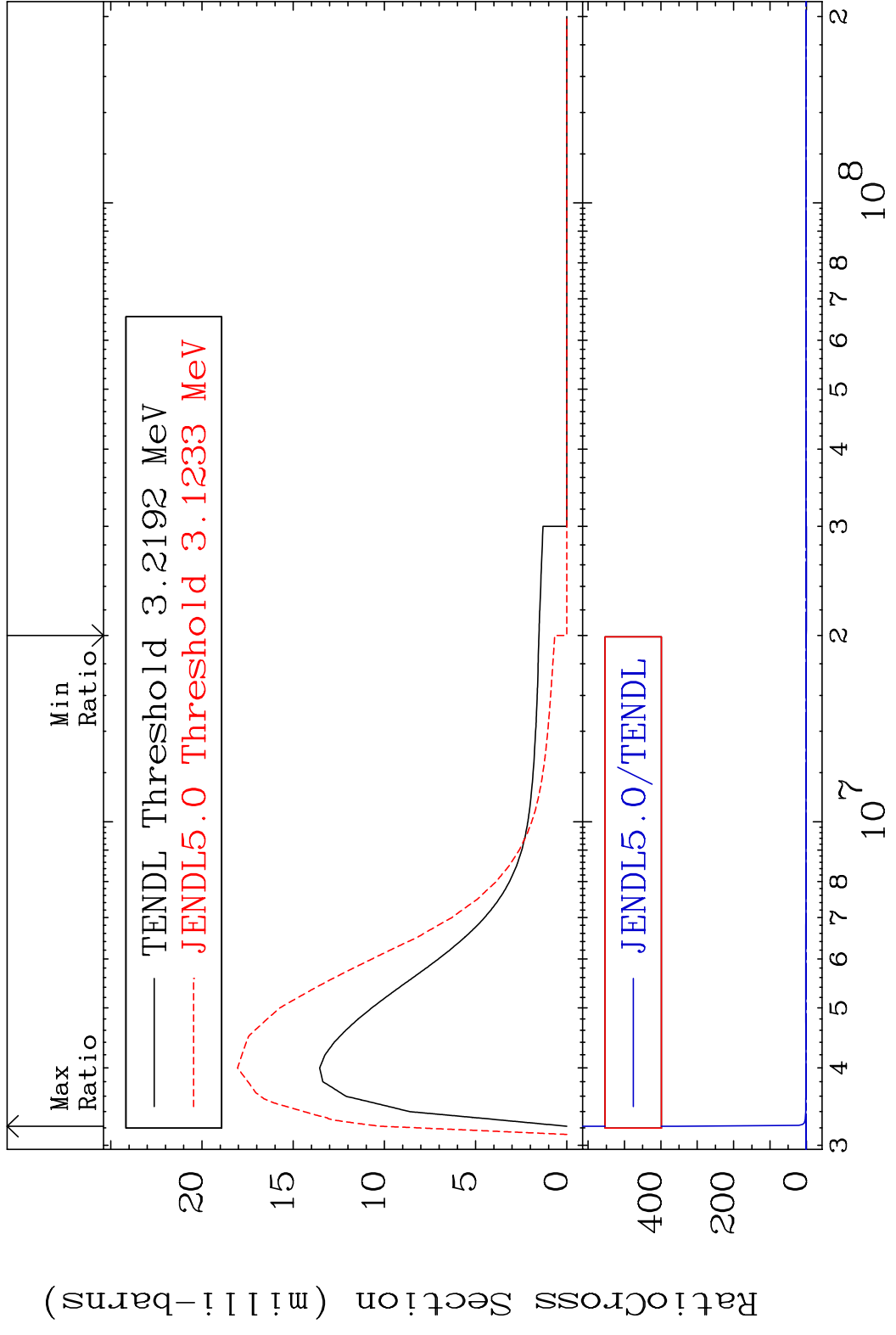


MAT 1931 MT= 73 (n, n') Level 19-K -41  
 Cross Section -100.0 To 9999. %

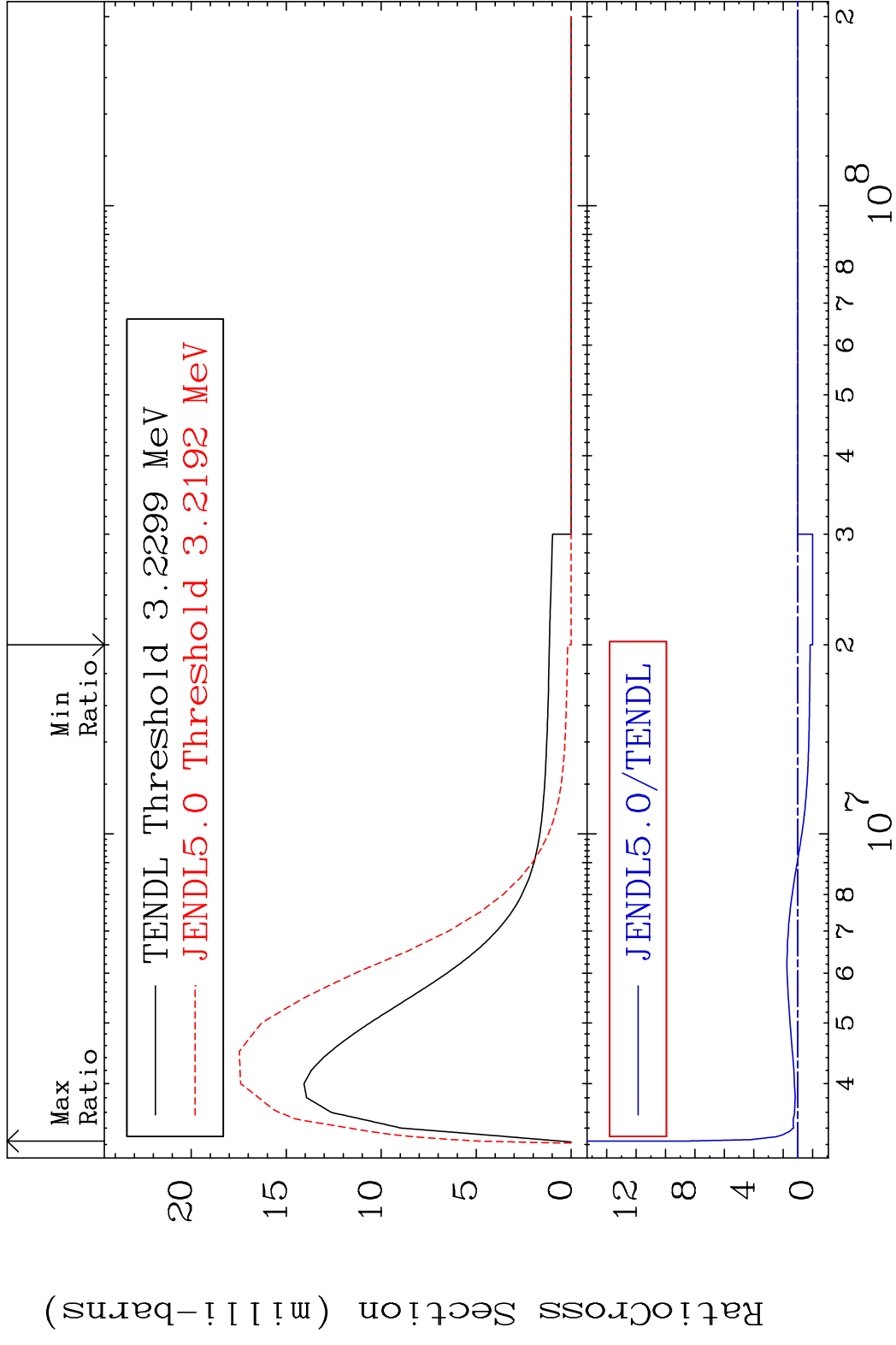


35 Incident Energy (eV) 19-K -41

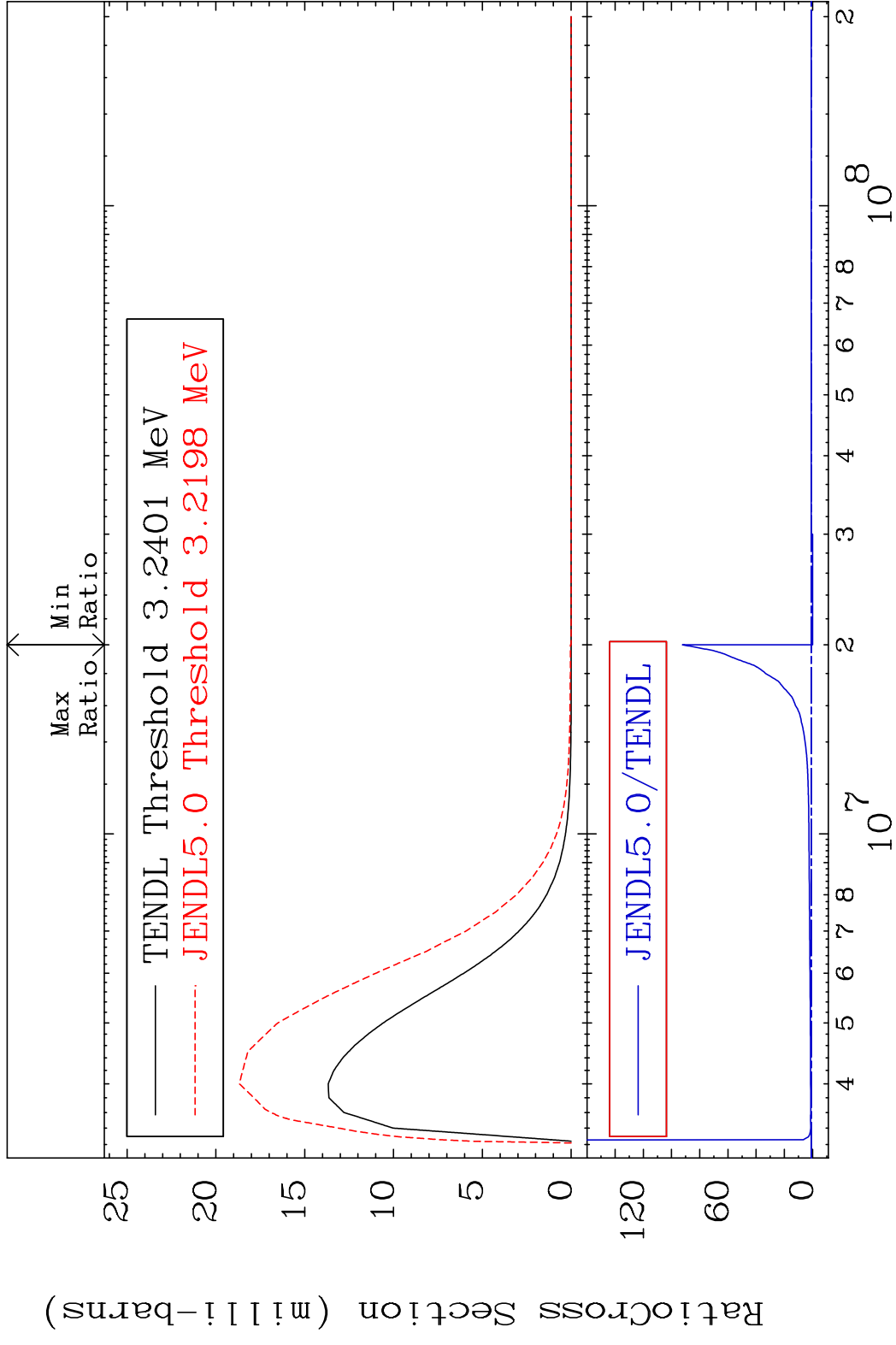
MAT 1931 MT= 74 (n,n') Level 19-K -41  
 Cross Section -100.0 To 9999. %



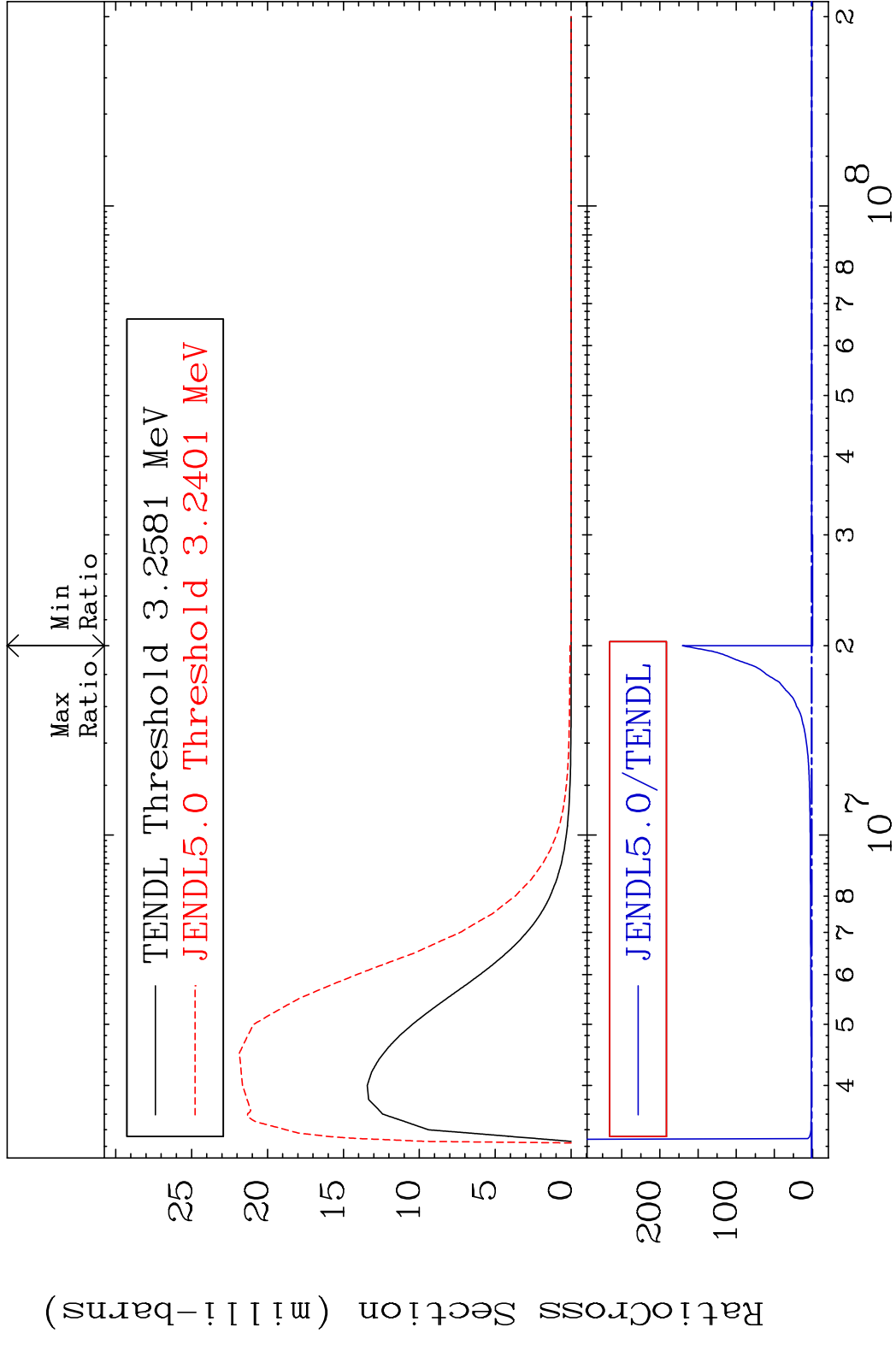
MAT 1931 MT= 75 (n,n') Level 19-K -41  
 Cross Section -100.0 To 785.6 %



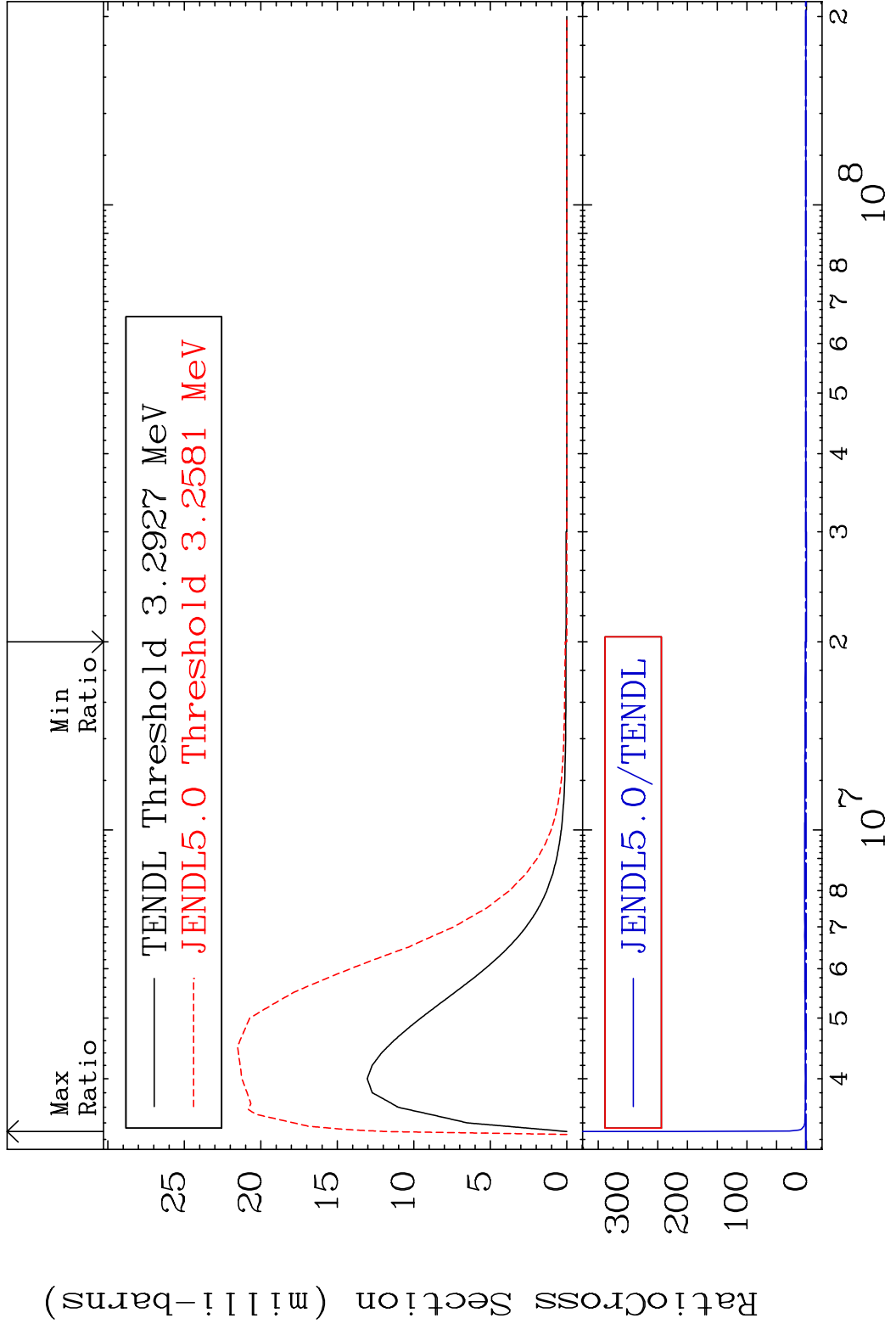
MAT 1931 MT= 76 (n, n') Level 19-K -41  
 Cross Section -100.0 To 9132. %



MAT 1931 MT= 77 (n,n') Level 19-K -41  
 Cross Section -100.0 To 9999. %

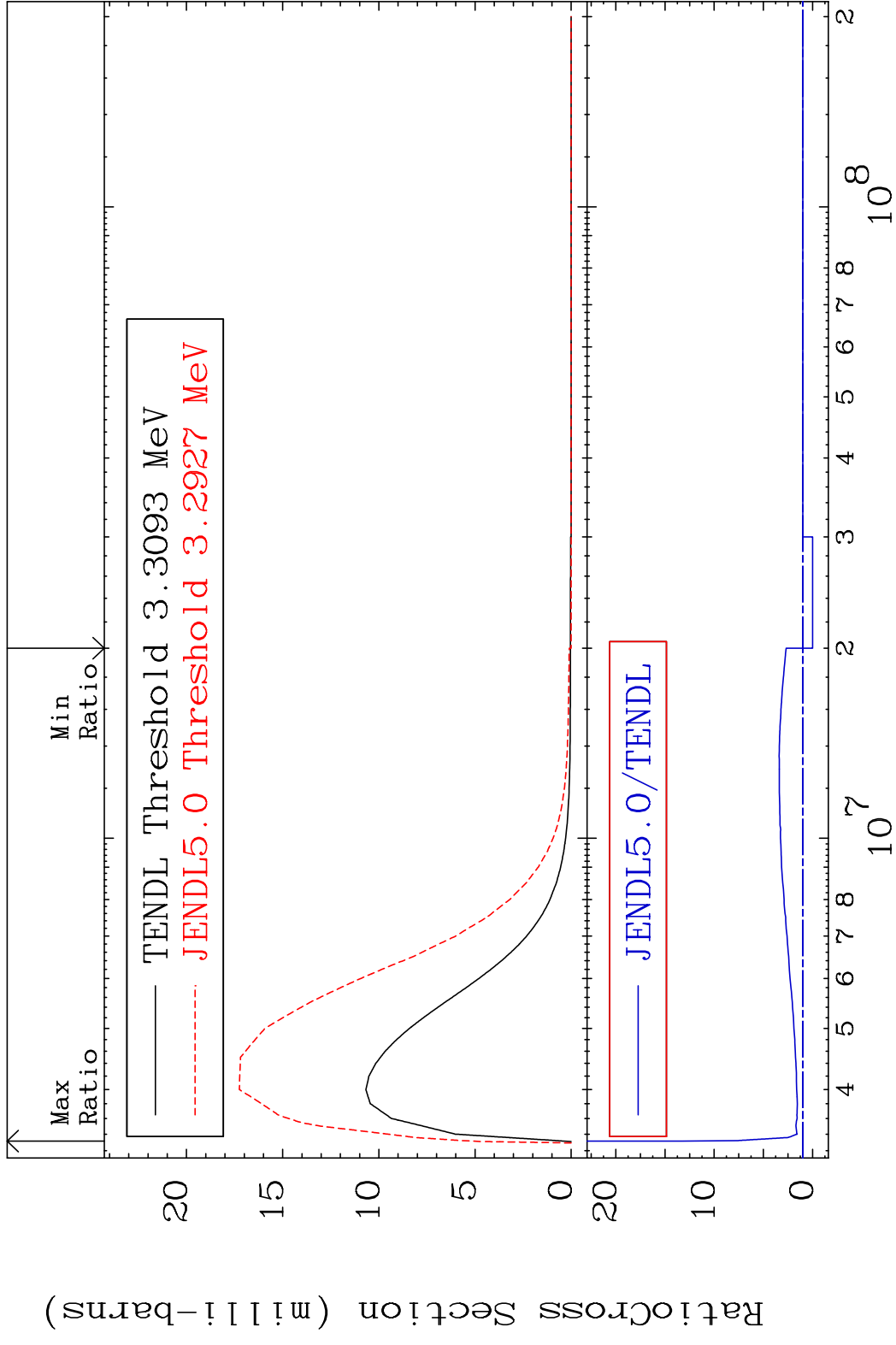


MAT 1931 MT= 78 (n,n') Level 19-K -41  
 Cross Section -100.0 To 9999. %

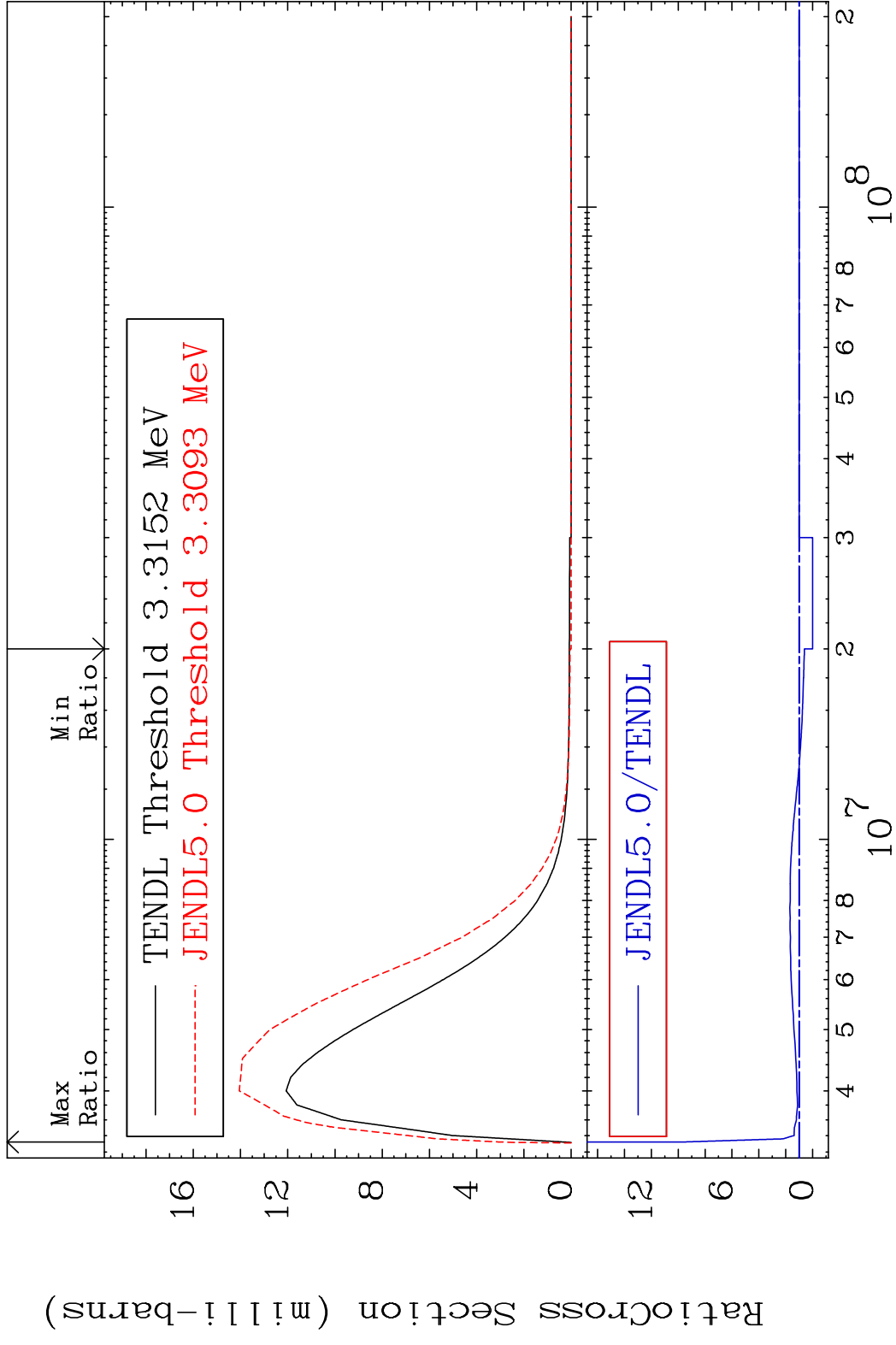


40 Incident Energy (eV) 19-K -41

MAT 1931 MT= 79 (n,n') Level 19-K -41  
 Cross Section -100.0 To 1224. %



MAT 1931 MT= 80 (n,n') Level 19-K -41  
 Cross Section -100.0 To 869.3 %



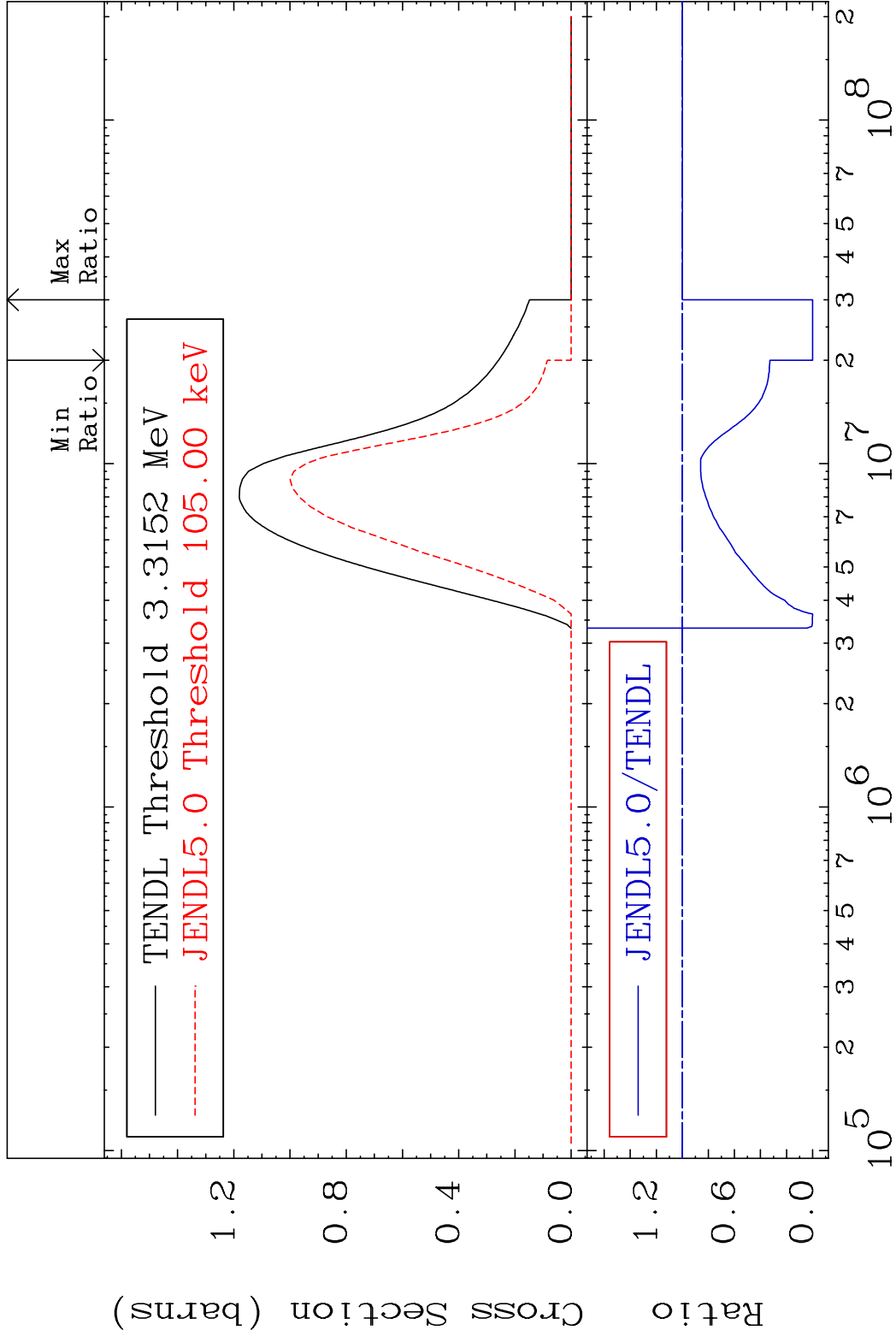
42 Incident Energy (eV) 19-K -41

MAT 1931

(n,n') Continuum

19-K -41

Cross Section -100.0 To 0.000 %



43

Incident Energy (eV)

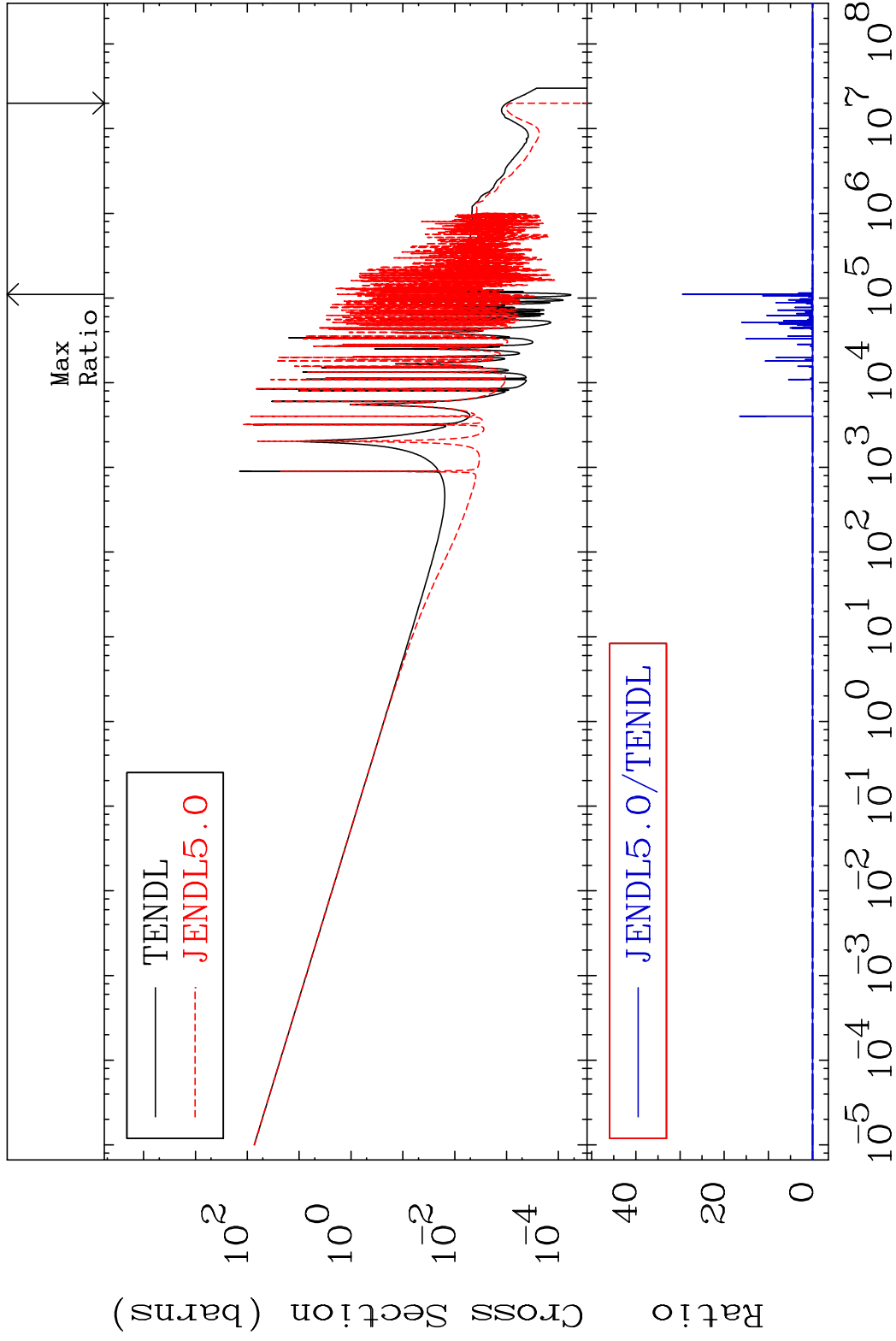
19-K -41

MAT 1931

(n,  $\gamma$ )

19-K -41

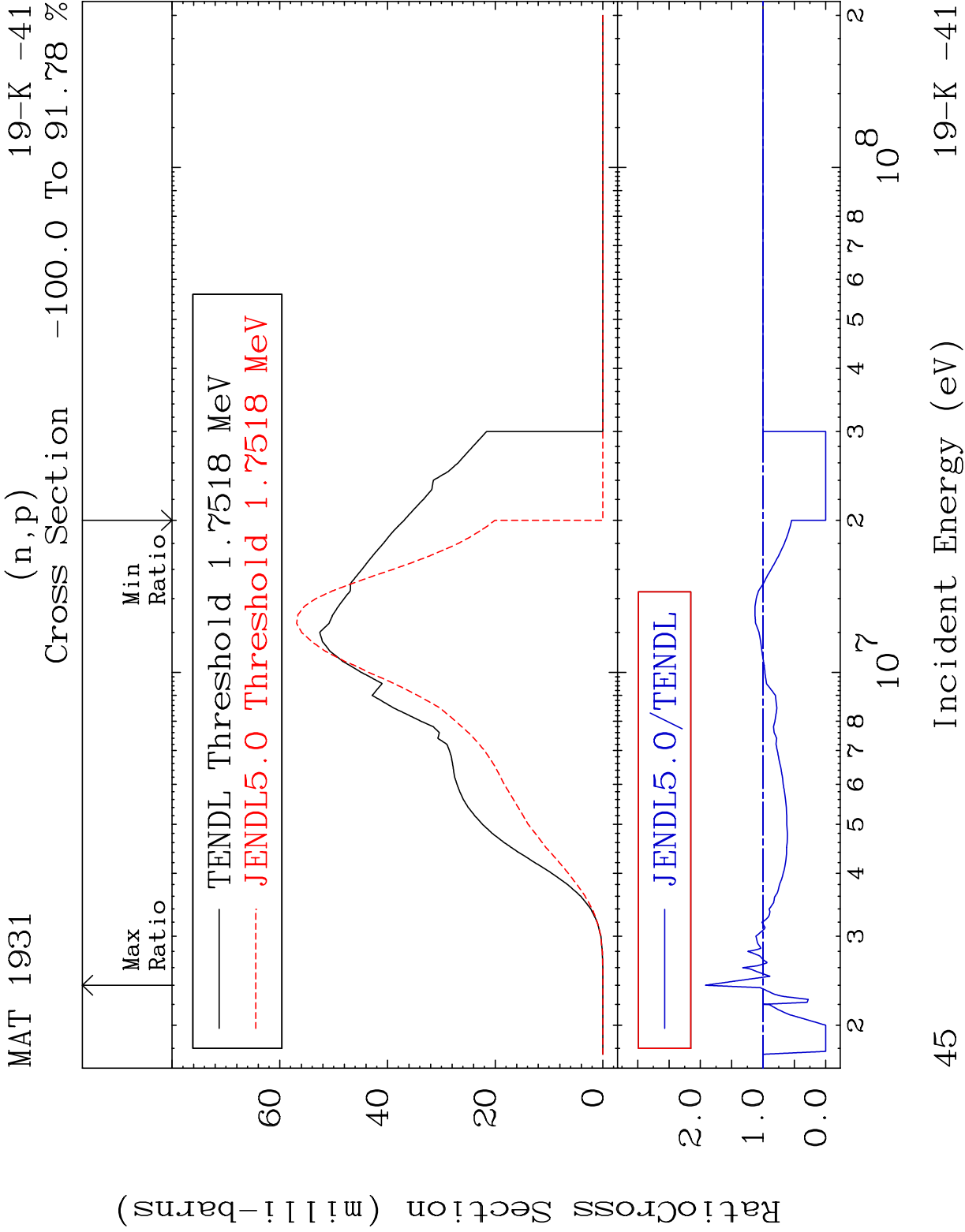
Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

19-K -41

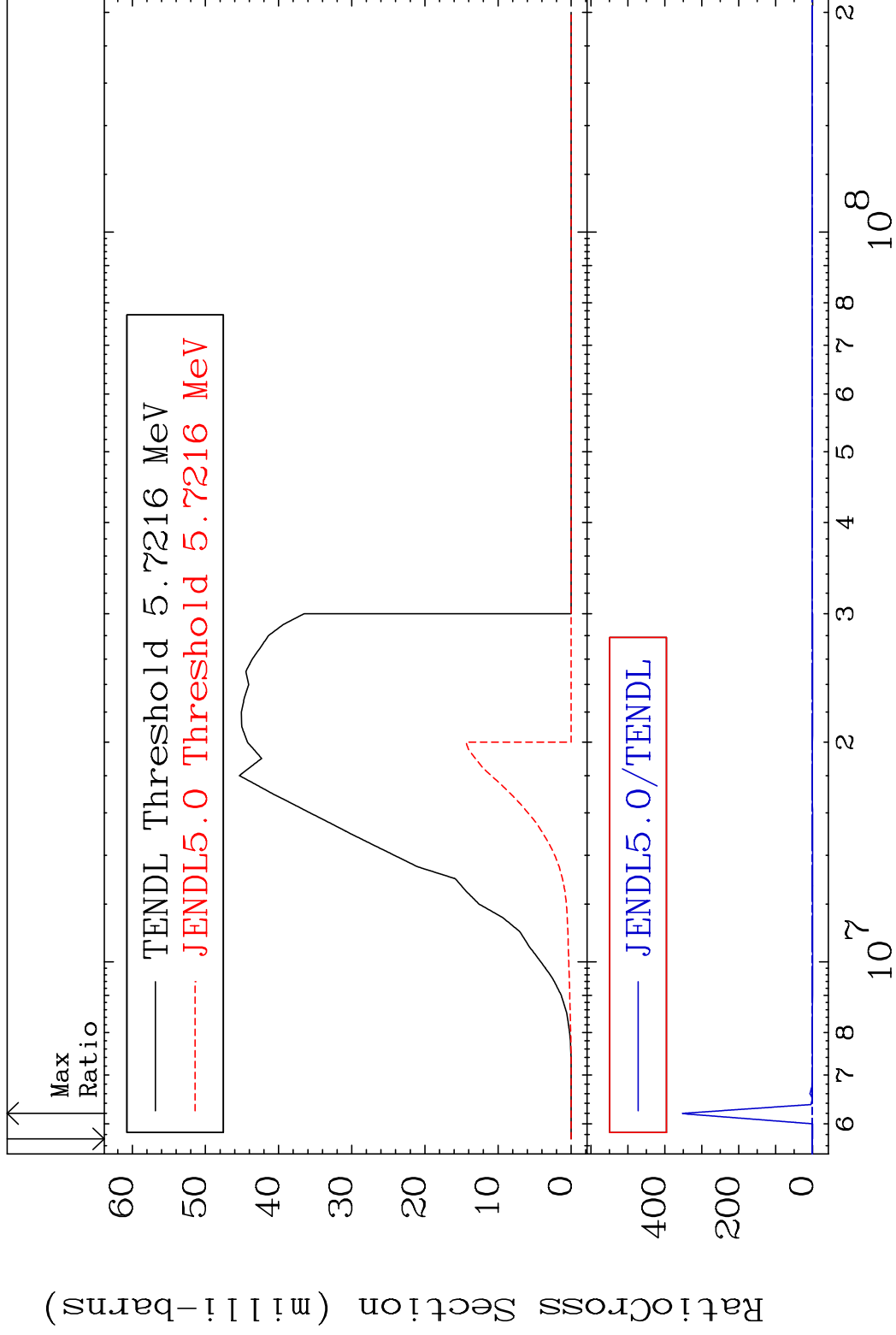


MAT 1931

(n,d)

19-K -41

Cross Section -100.0 To 9999. %

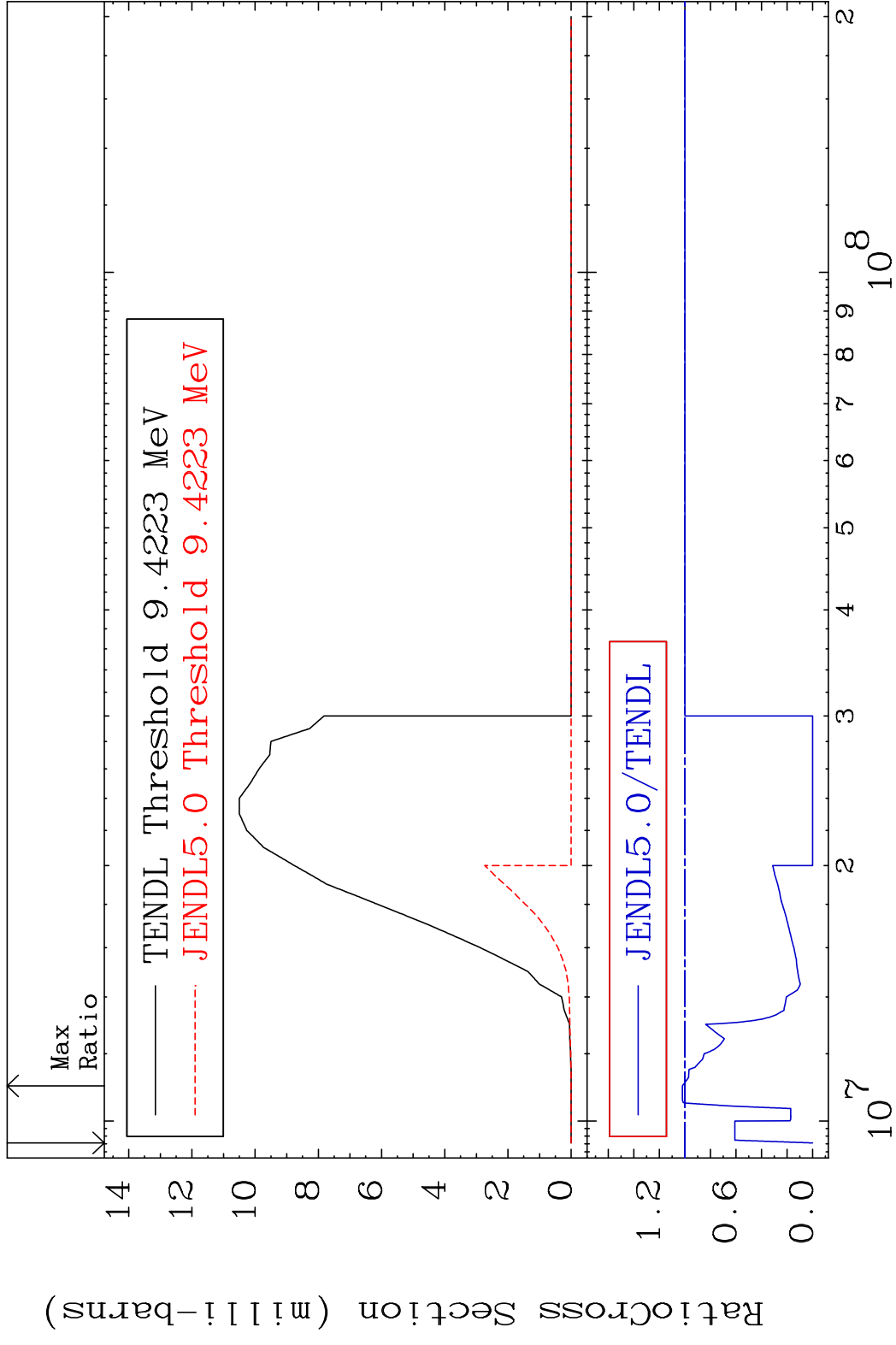


46

Incident Energy (eV)

19-K -41

MAT 1931 (n, t) 19-K -41  
 Cross Section -100.0 To 1.992 %



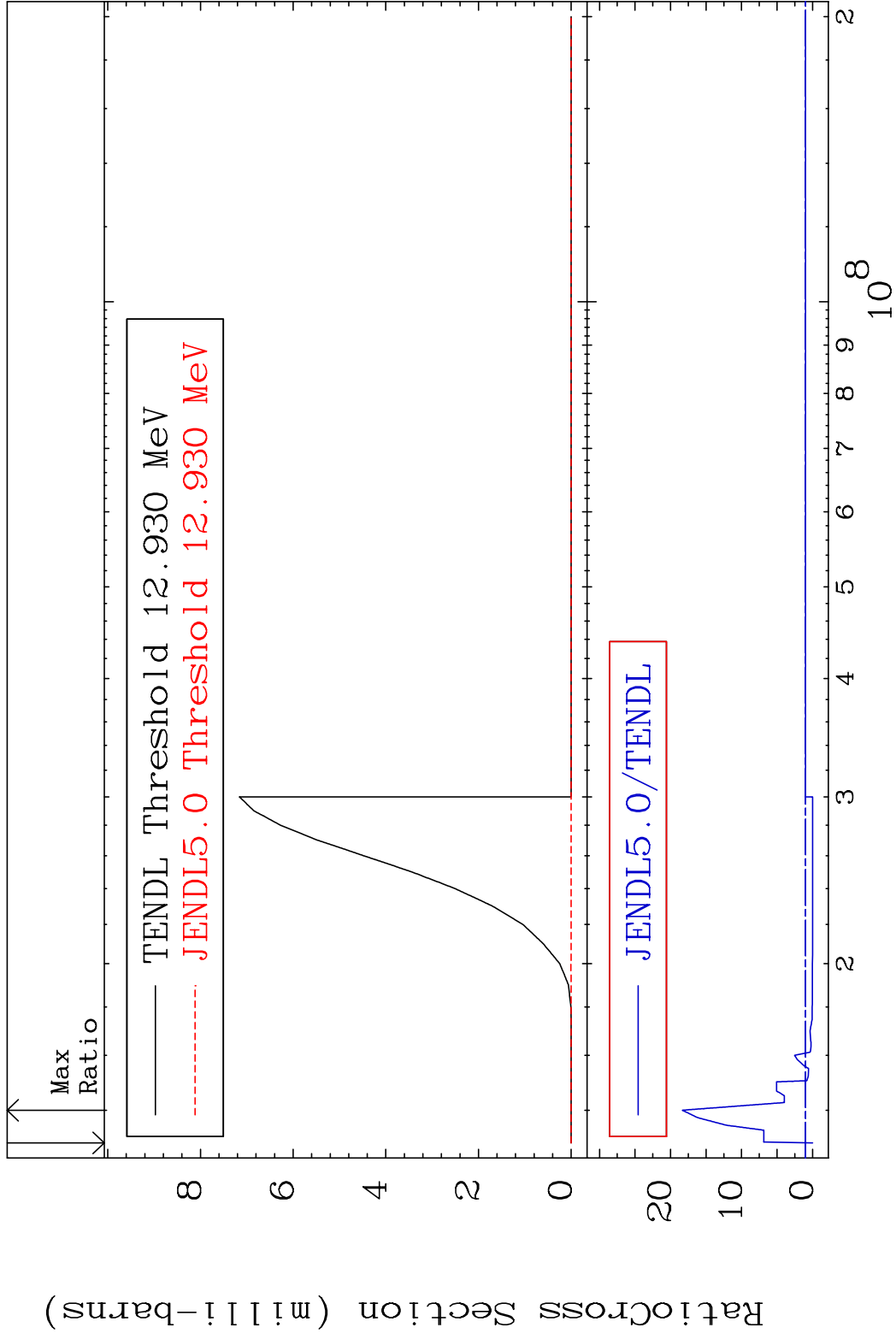
47 19-K -41

MAT 1931

(n, He-3)

19-K -41

Cross Section -100.0 To 1733. %



48

Incident Energy (eV)

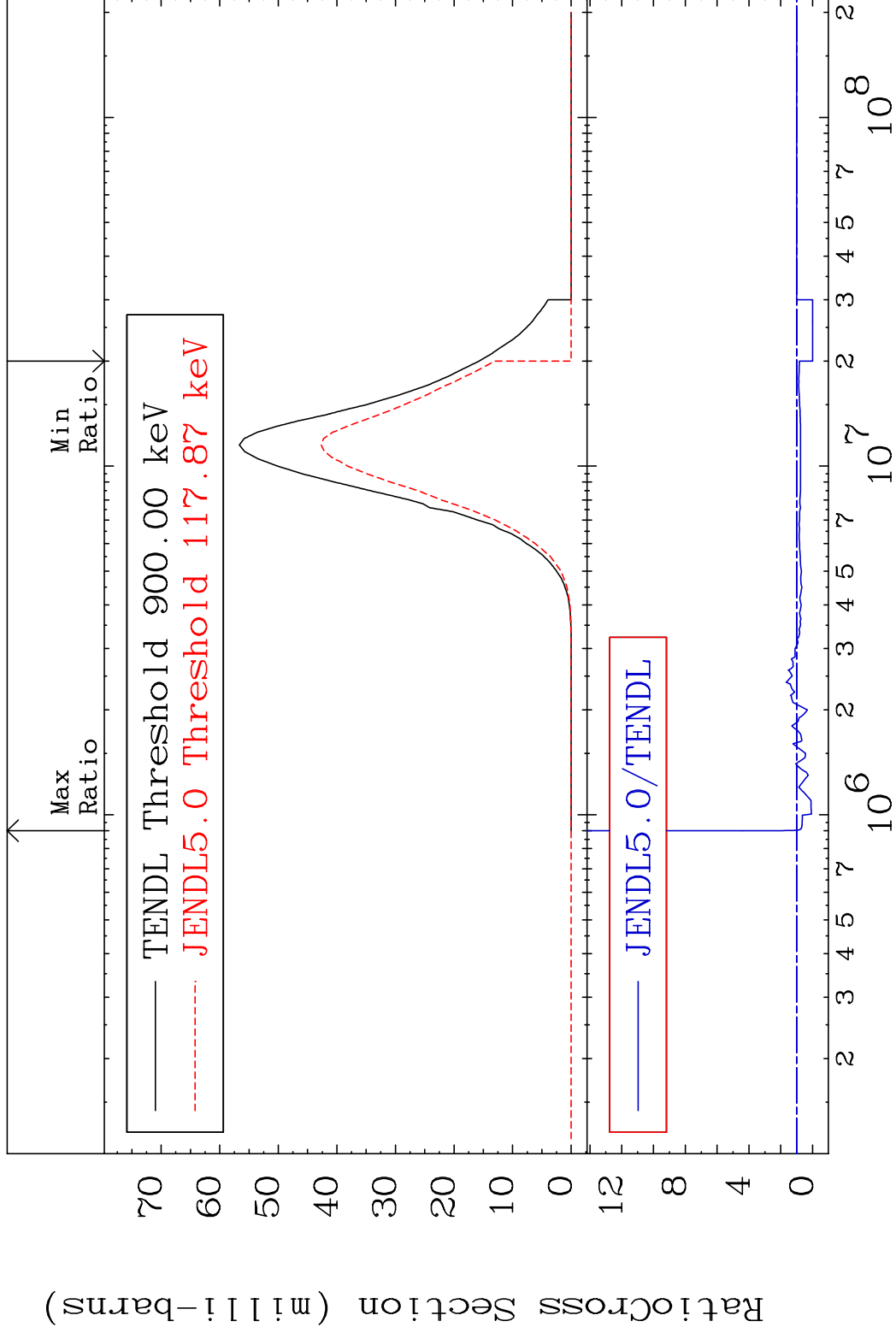
19-K -41

MAT 1931

(n,  $\alpha$ )

19-K -41

Cross Section -100.0 To 718.8 %

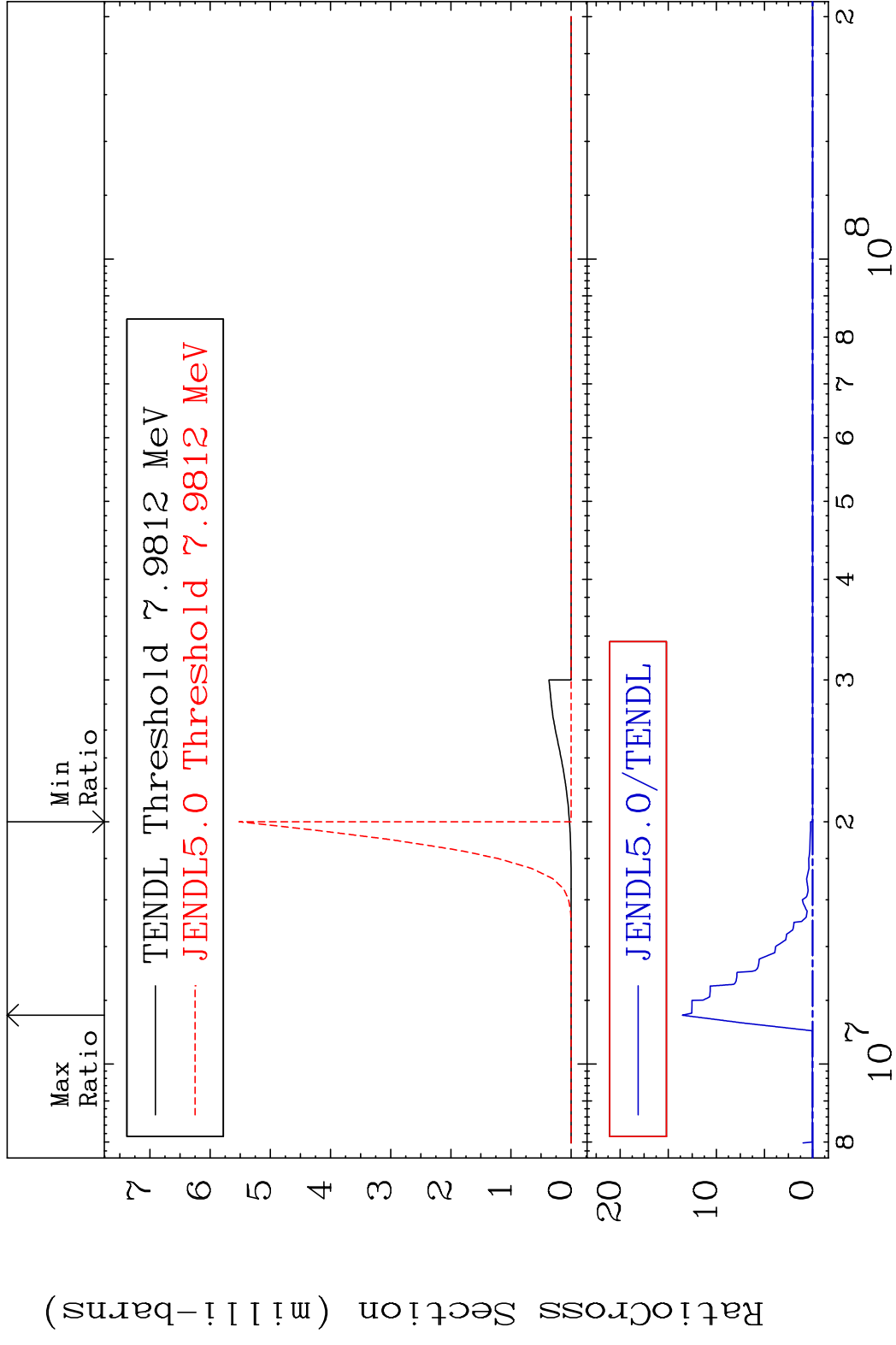


49

Incident Energy (eV)

19-K -41

MAT 1931 (n,2α) 19-K -41  
 Cross Section -100.0 To 9999. %



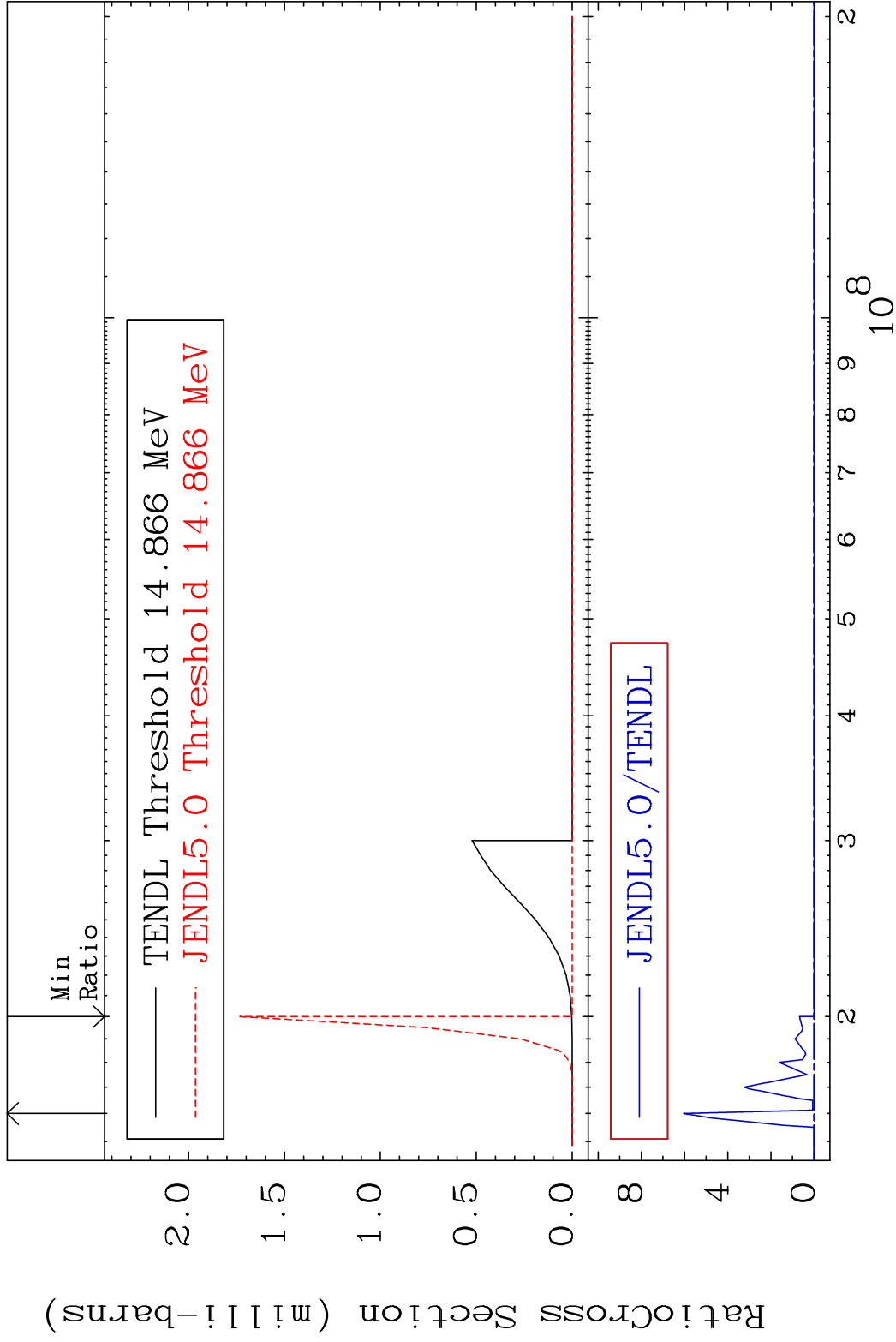
50 19-K -41

MAT 1931

(n,2p)

19-K -41

Cross Section -100.0 To 9999. %

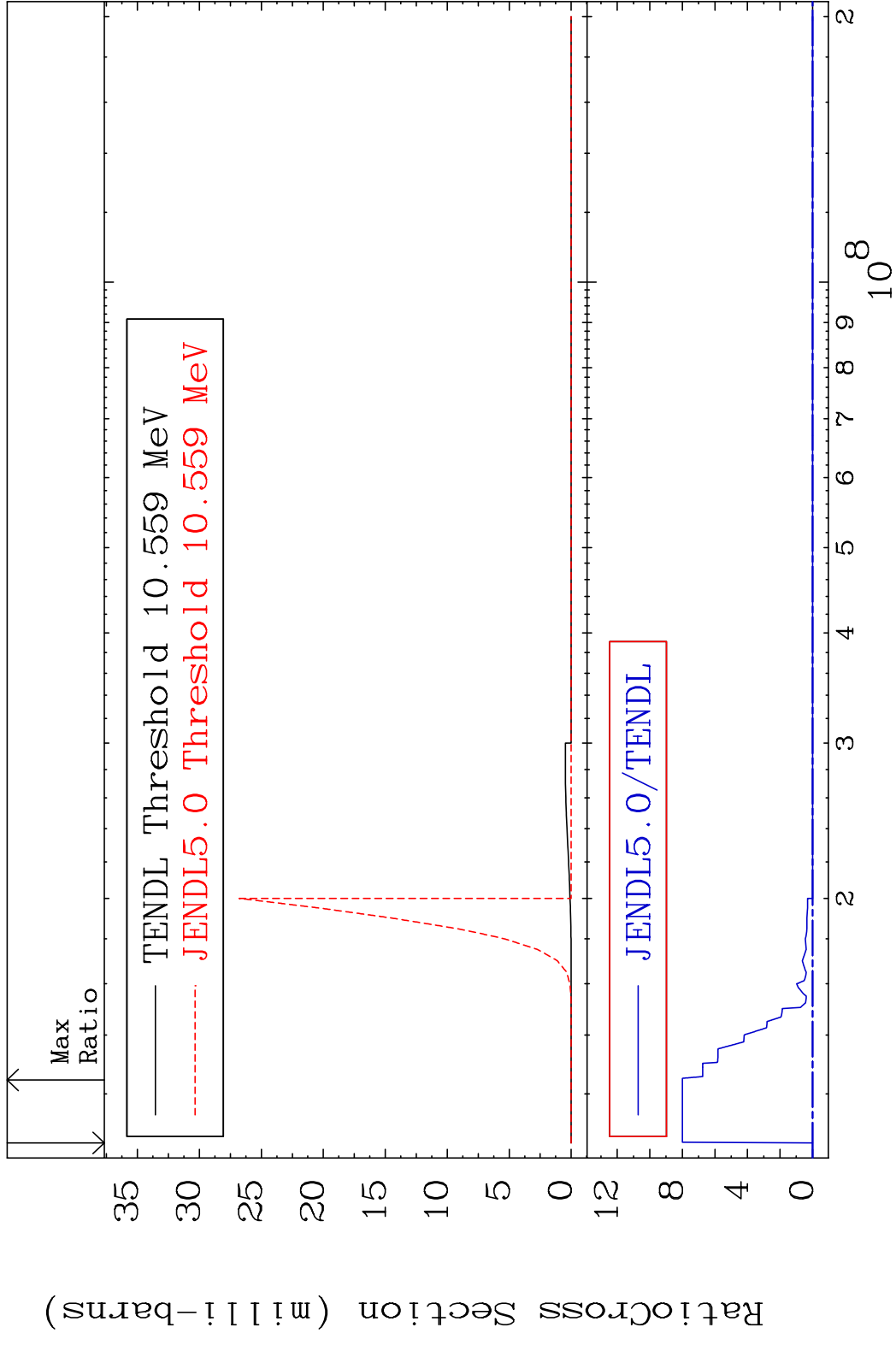


51

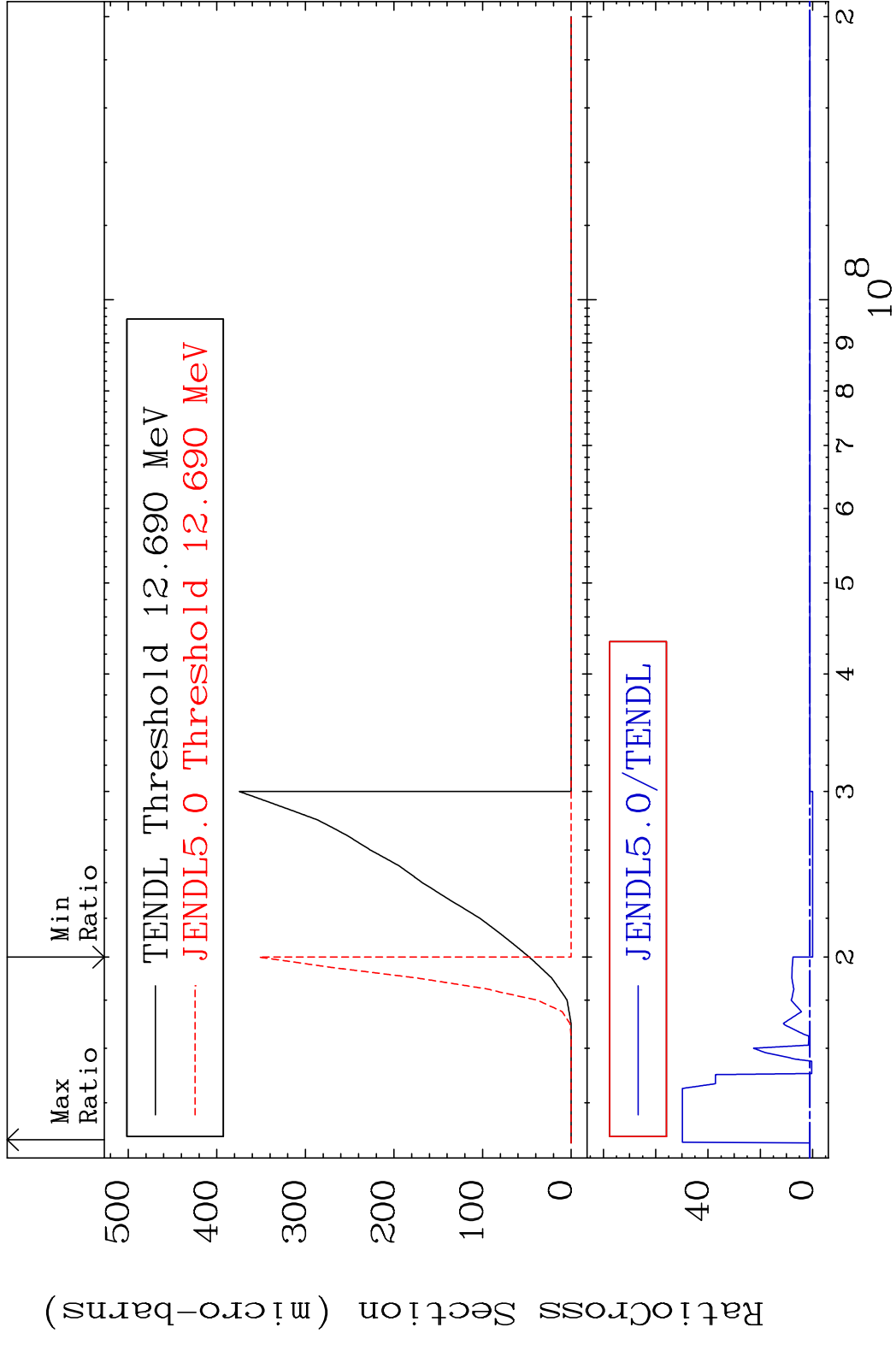
Incident Energy (eV)

19-K -41

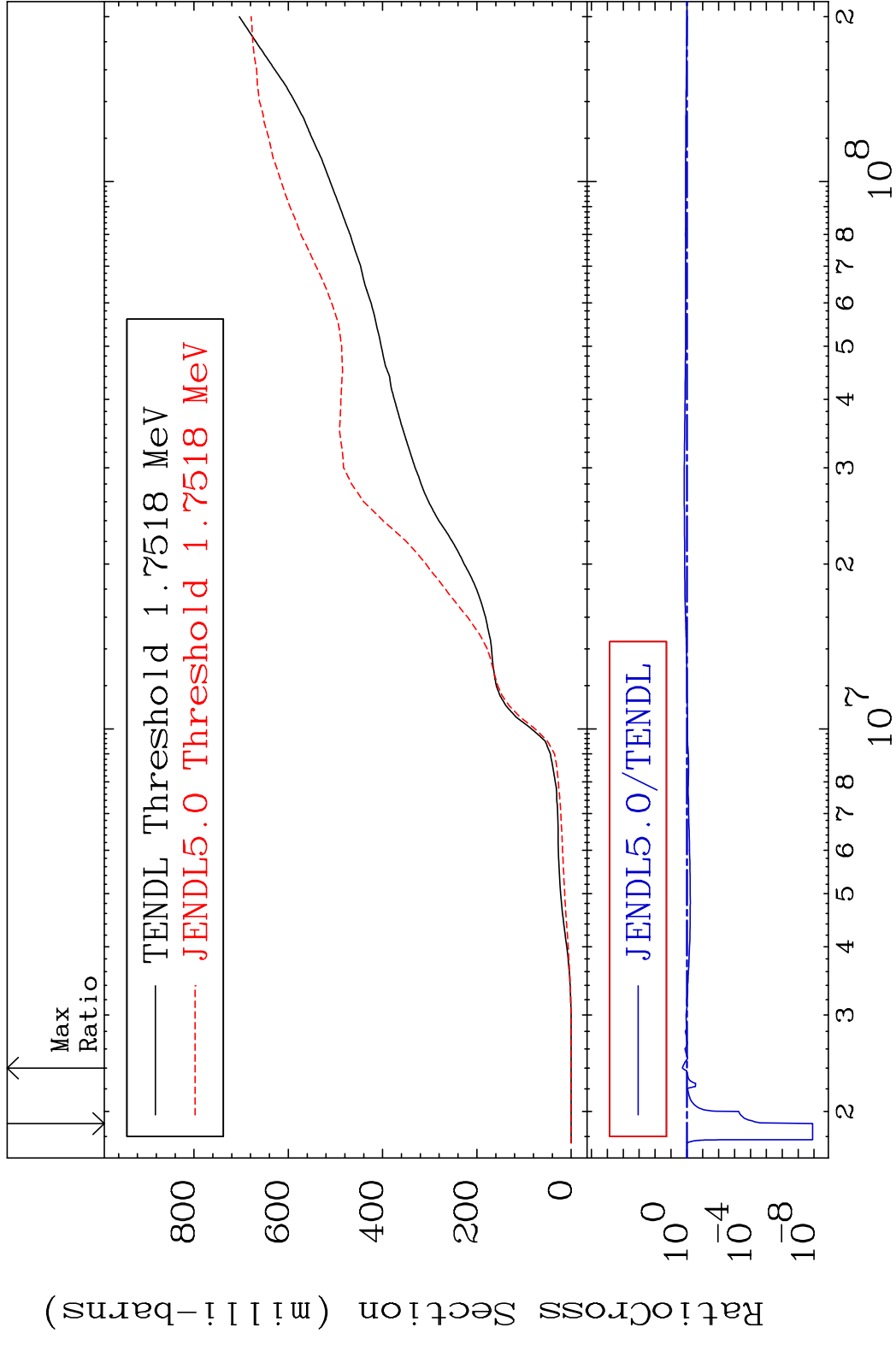
MAT 1931 (n,p)  $\alpha$  19-K -41  
 Cross Section -100.0 To 9999. %



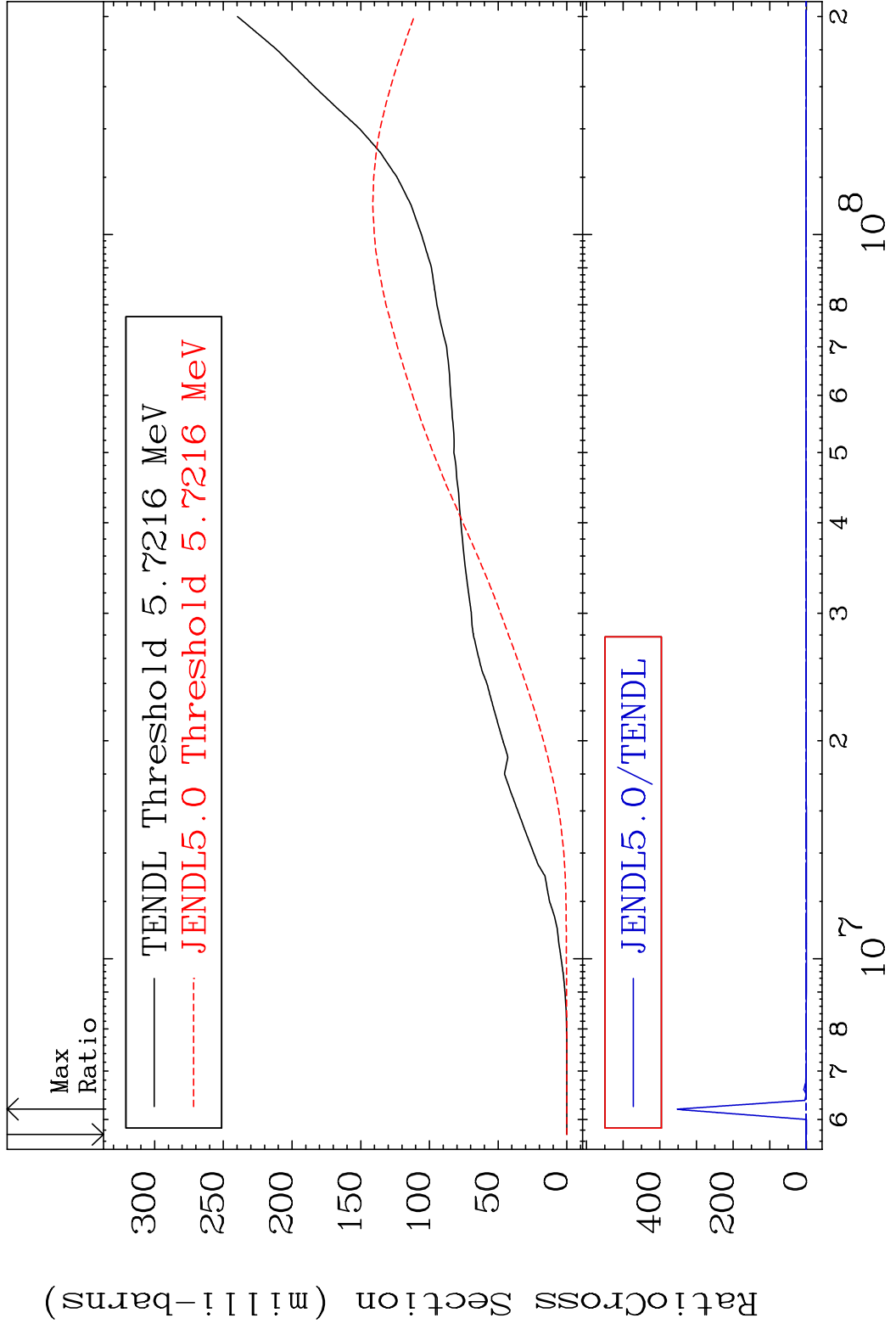
MAT 1931 (n,d)  $\alpha$  19-K -41  
 Cross Section -100.0 To 4880. %



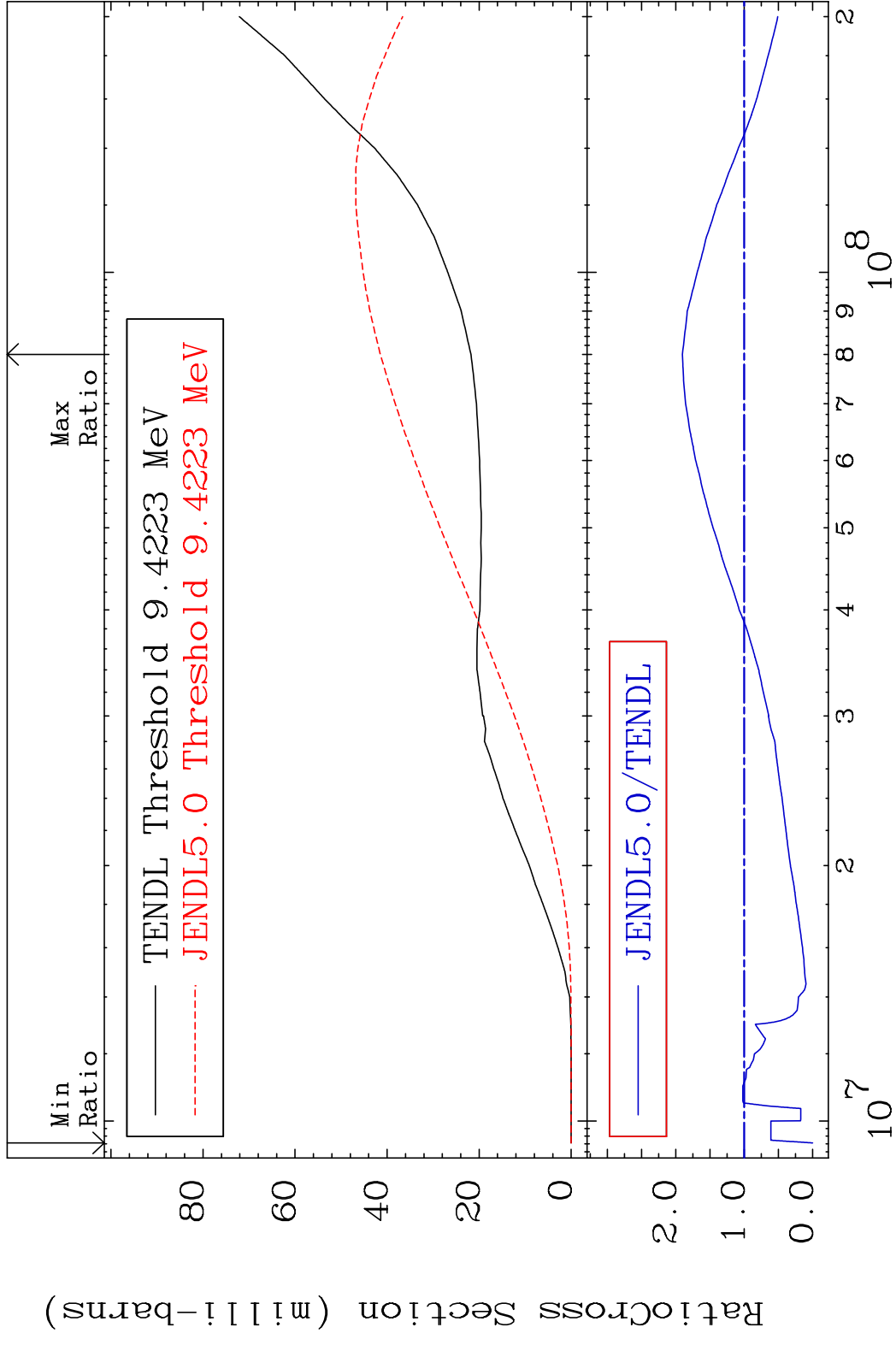
MAT 1931 Hydrogen Production 19-K -41  
 Cross Section -100.0 To 91.78 %



MAT 1931 Deuterium Production 19-K -41  
 Cross Section -100.0 To 9999. %

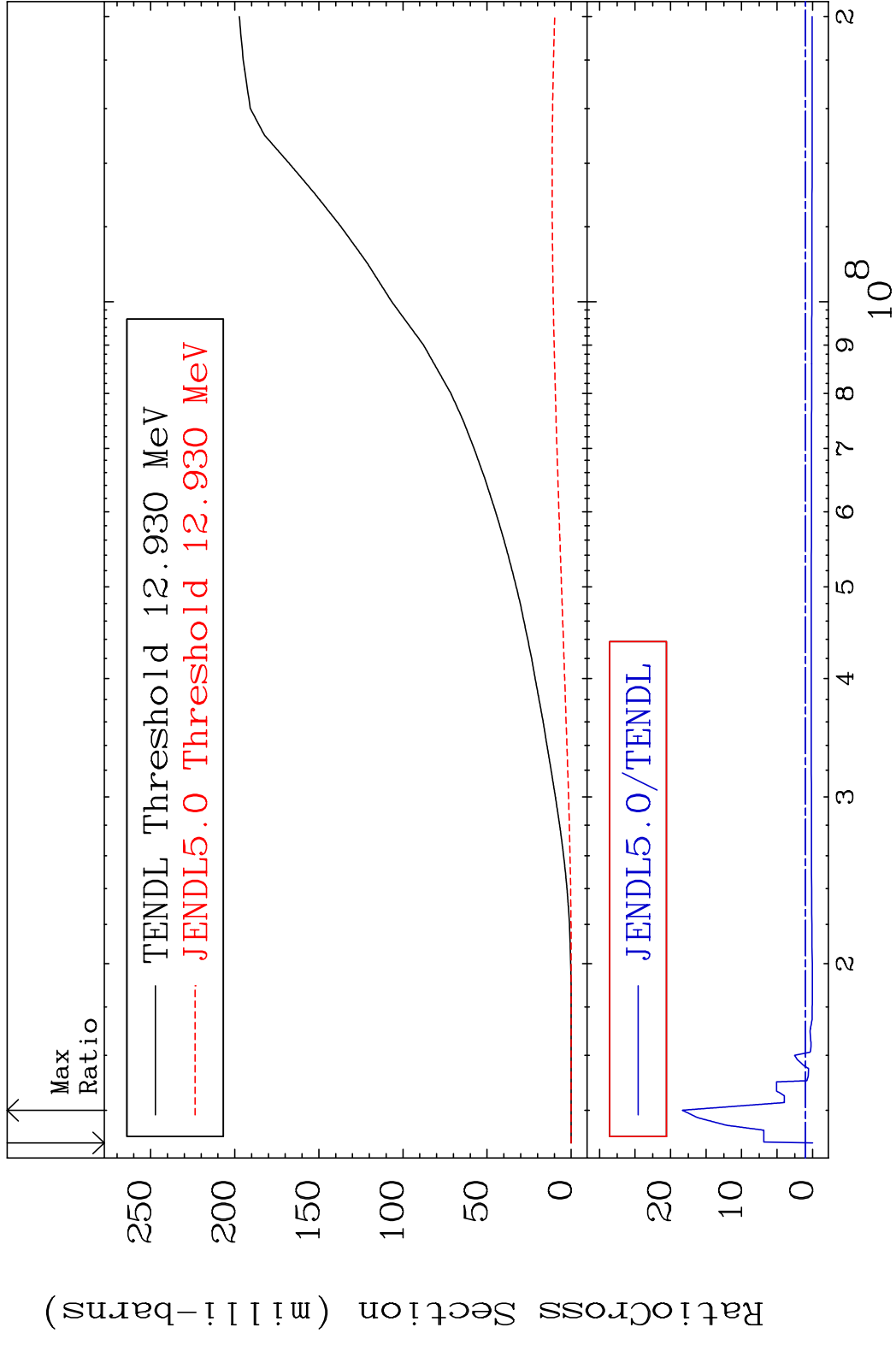


MAT 1931 Tritium Production 19-K -41  
 Cross Section -100.0 To 90.39 %



56 19-K -41

MAT 1931 He-3 Production 19-K -41  
 Cross Section -100.0 To 1733. %

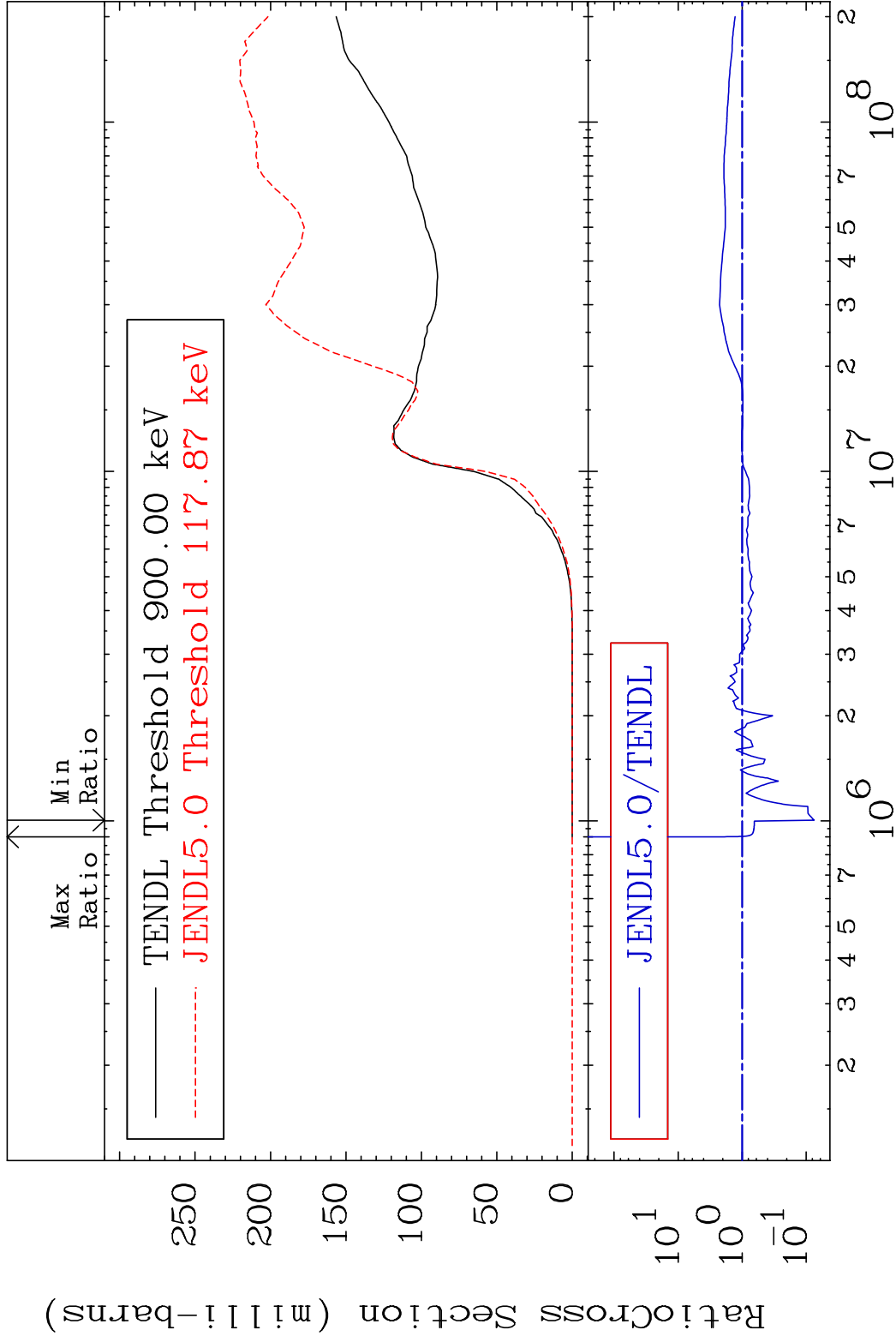


MAT 1931

He-4 Production

19-K -41

Cross Section -92.51 To 718.8 %

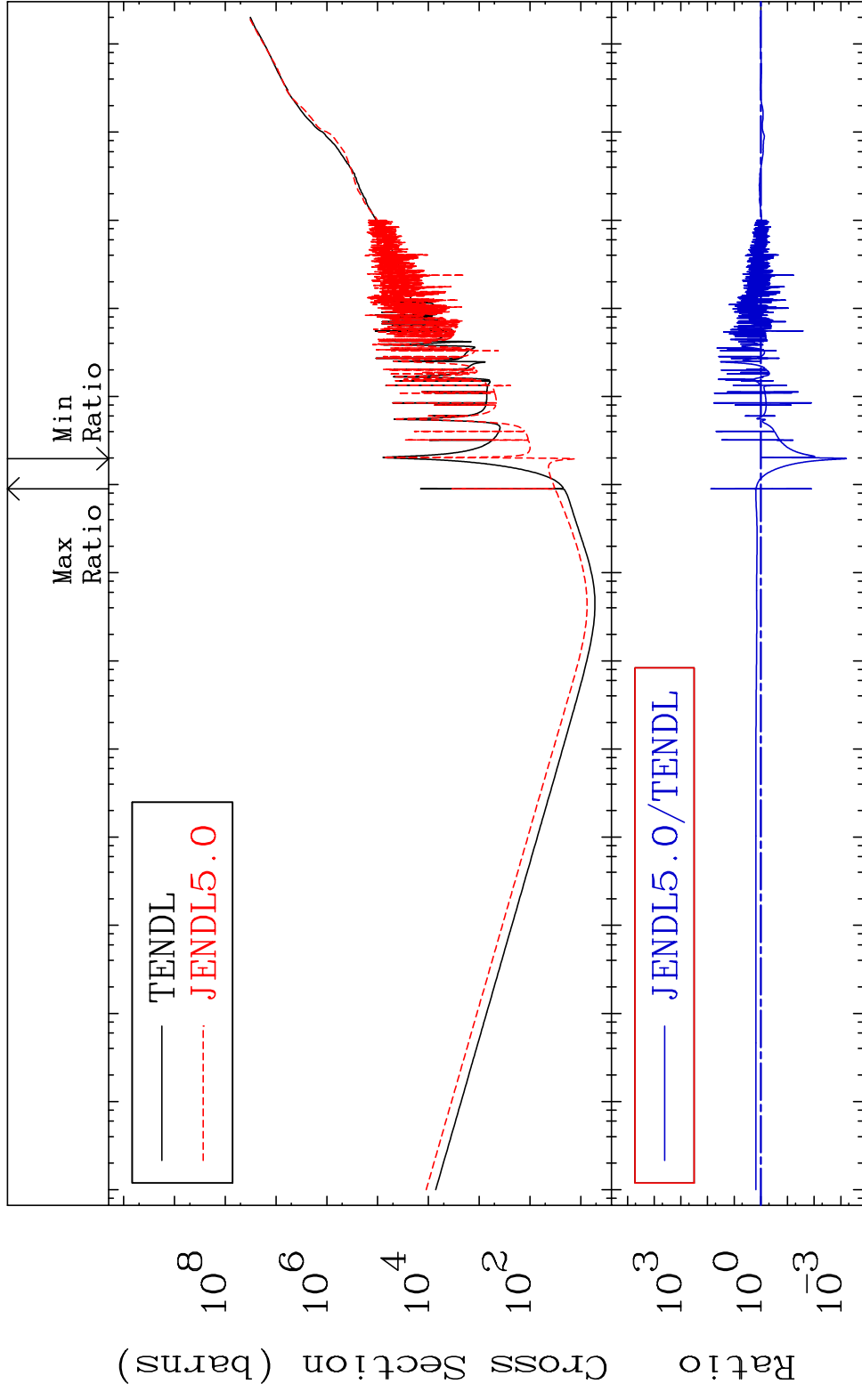


58

Incident Energy (eV)

19-K -41

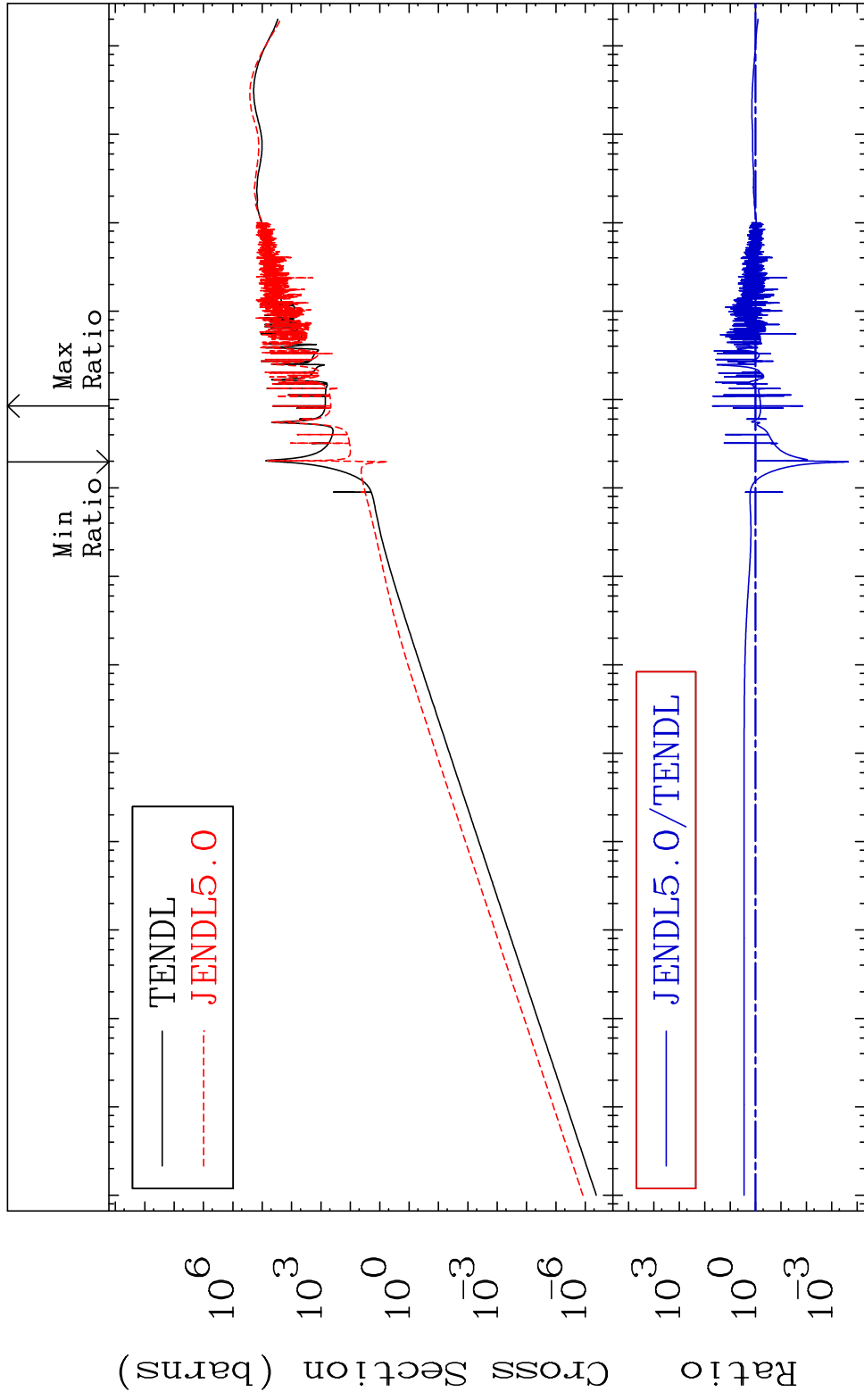
MAT 1931 Kerma total (eV-barns) 19-K -41  
 Cross Section -99.94 To 7477. %



MAT 1931

Kerma elastic  
Cross Section

19-K -41  
-99.98 To 4916. %

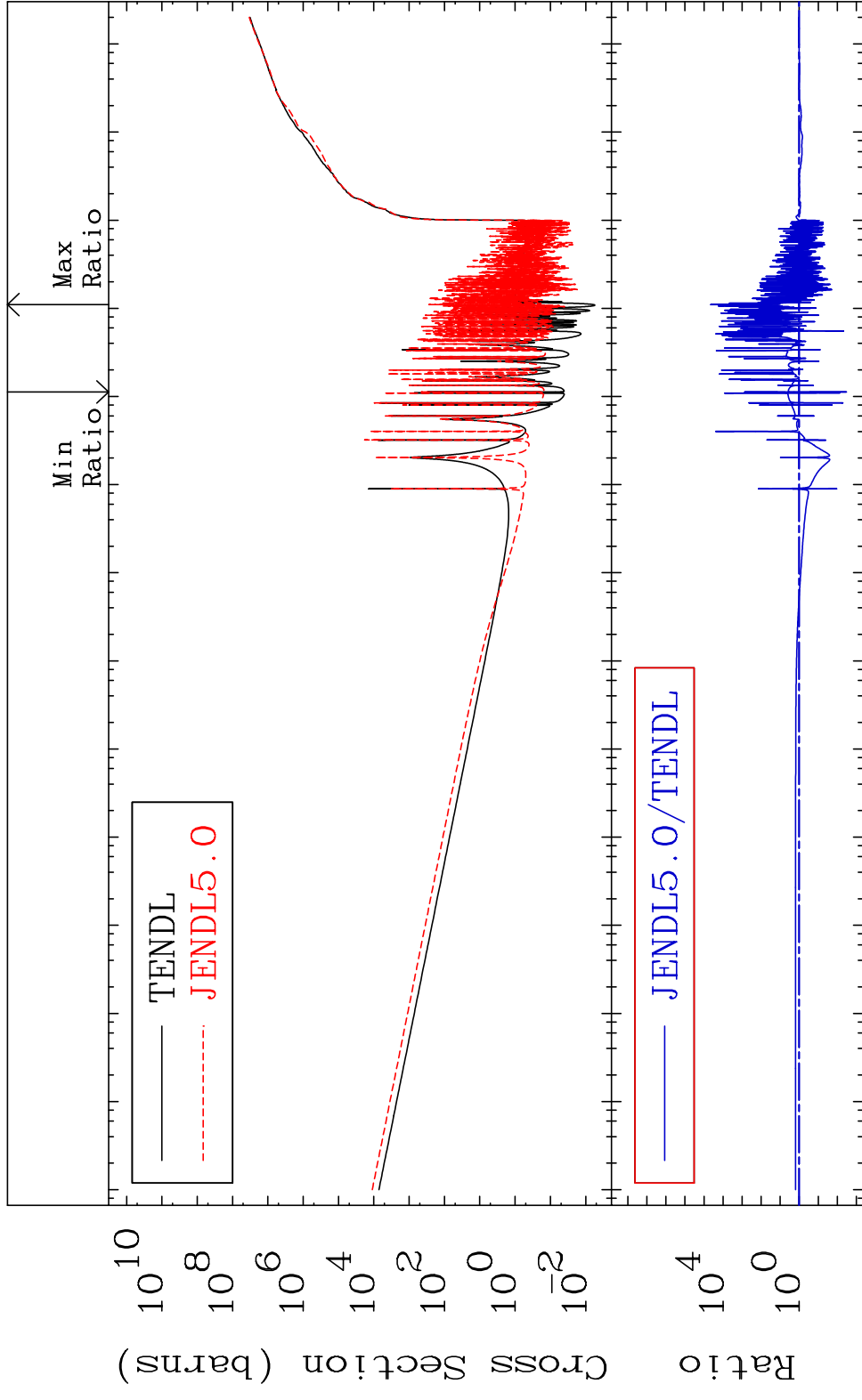


60

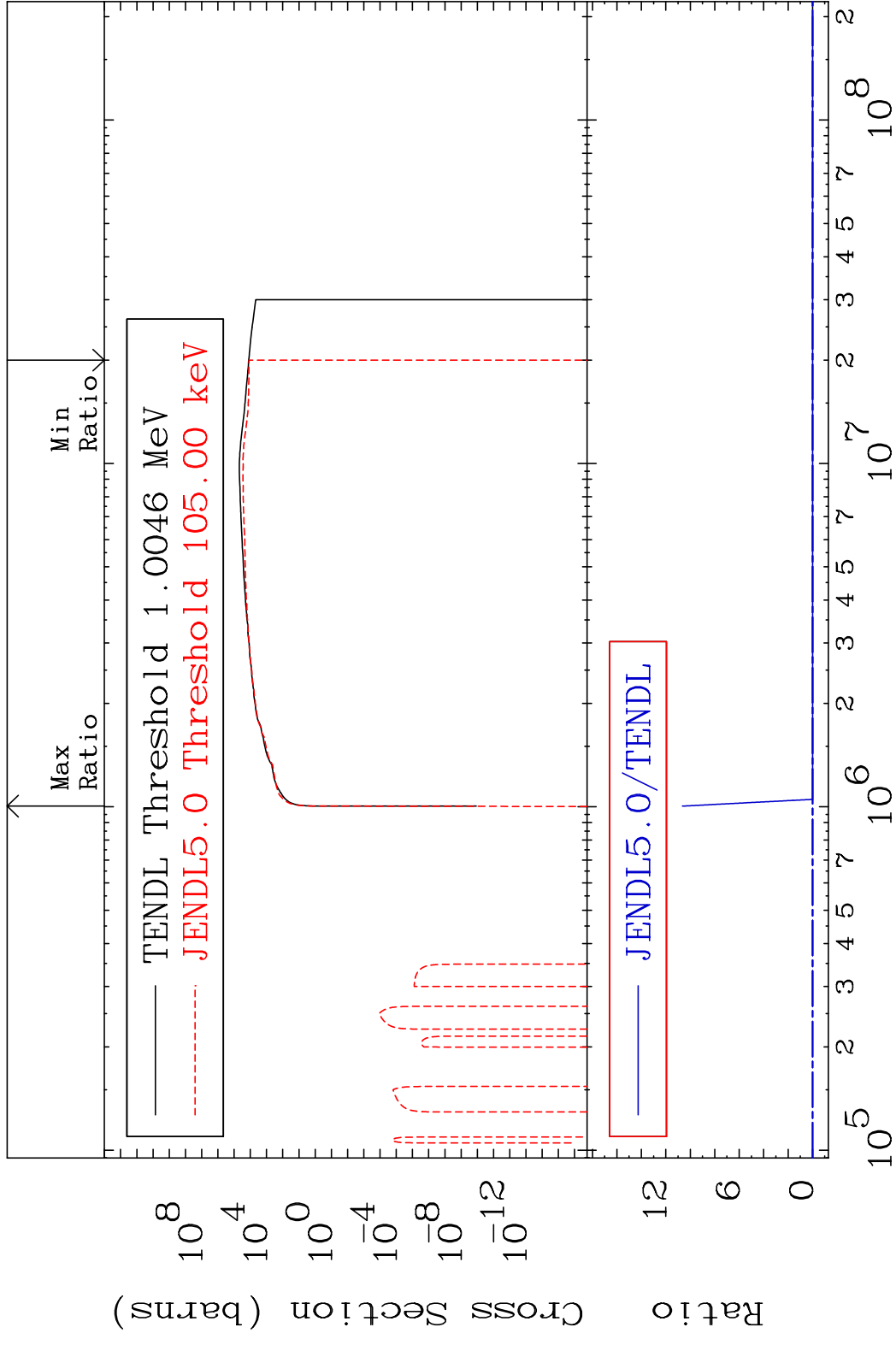
Incident Energy (eV)

19-K -41

MAT 1931 Kerma non-elastic (all but mt2) 19-K -41  
 Cross Section -99.67 To 9999. %

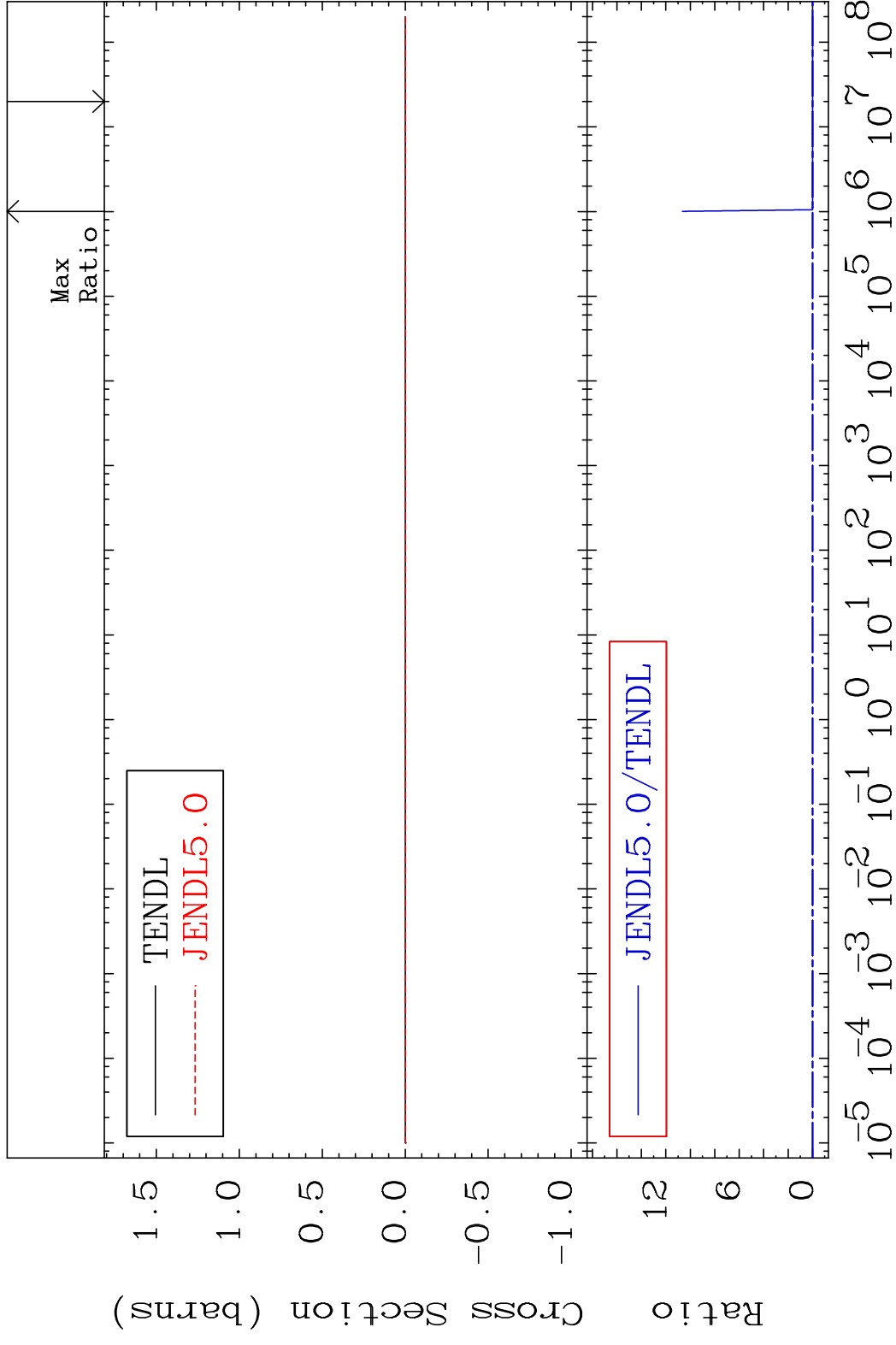


MAT 1931 Kerma inelastic (mt51-91) 19-K -41  
 Cross Section -100.0 To 9999. %

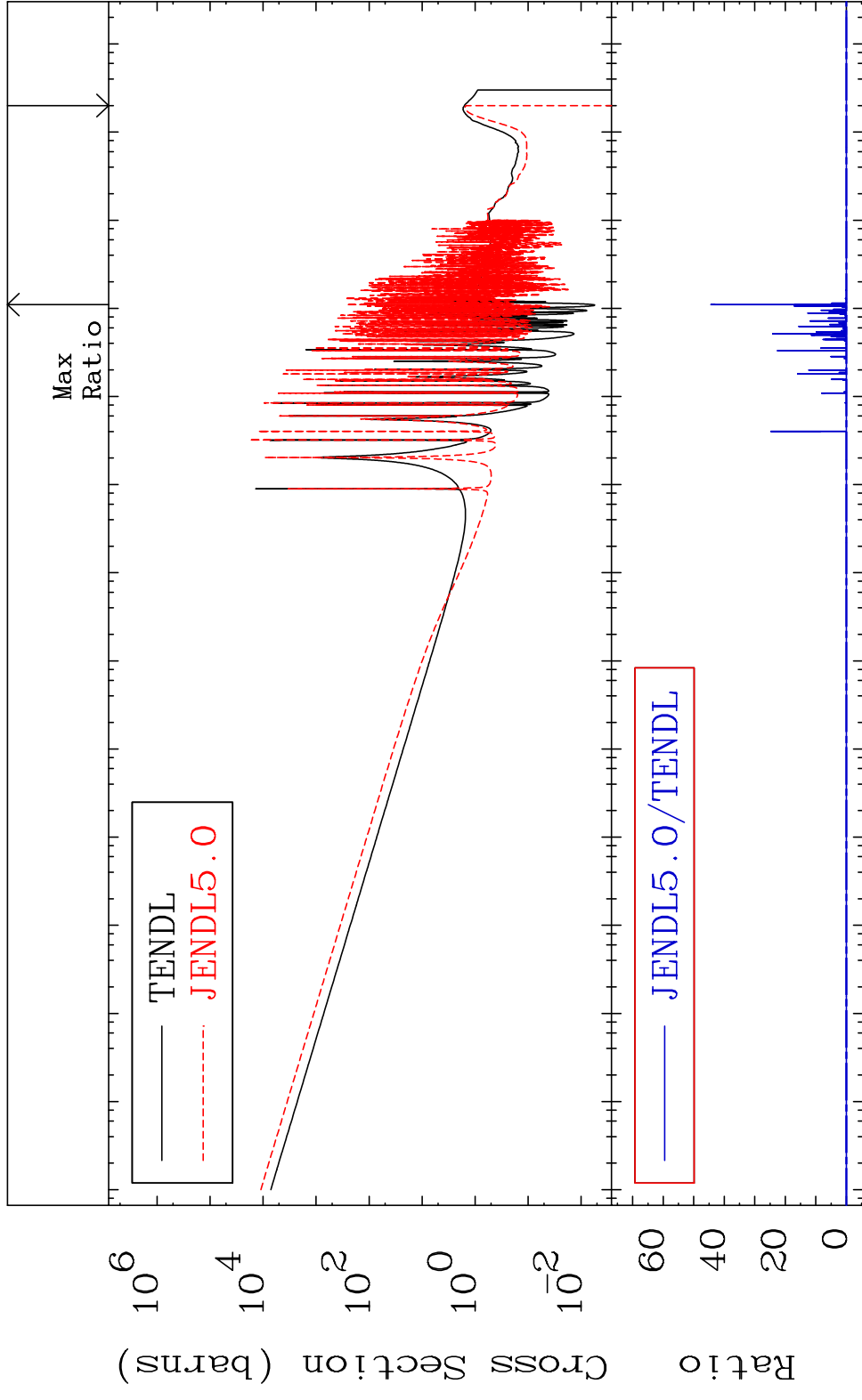


62 Incident Energy (eV) 19-K -41

MAT 1931 Kerma fission (mt18 or mt19-20-21-38) 19-K -41  
 Cross Section -100.0 To 9999. %

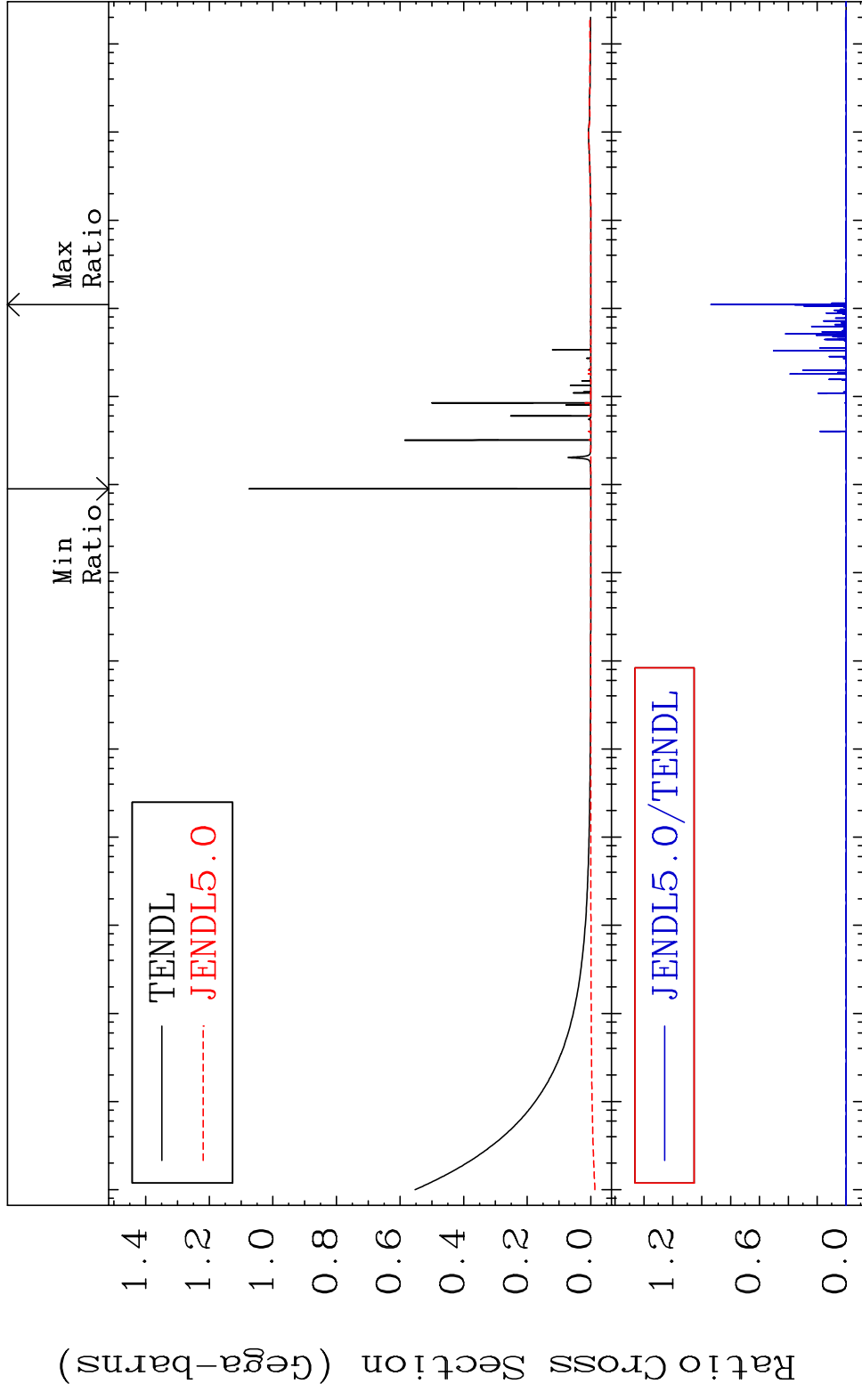


MAT 1931 Kerma capture (mt102) 19-K -41  
 Cross Section -100.0 To 9999. %

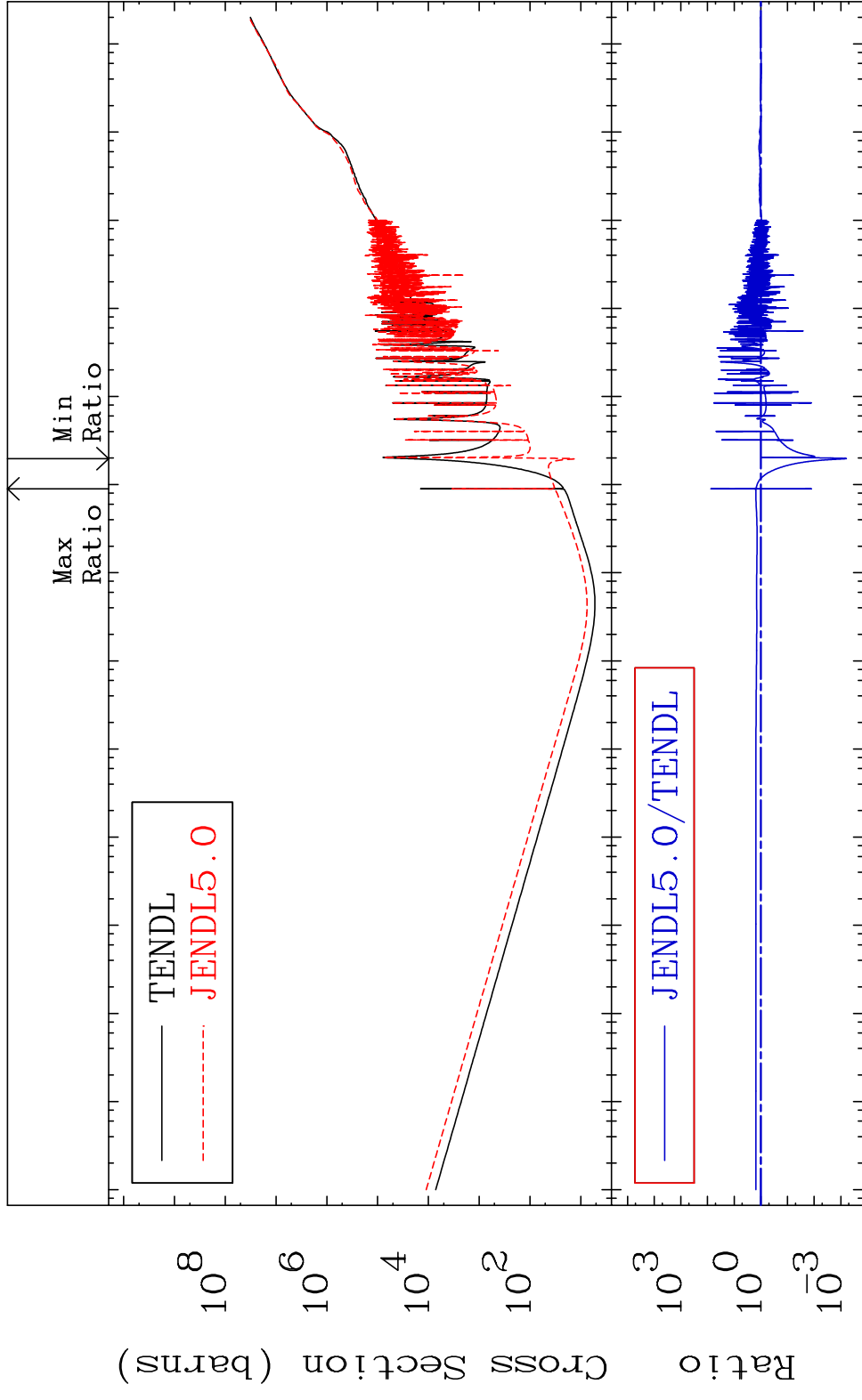


64 Incident Energy (eV) 19-K -41

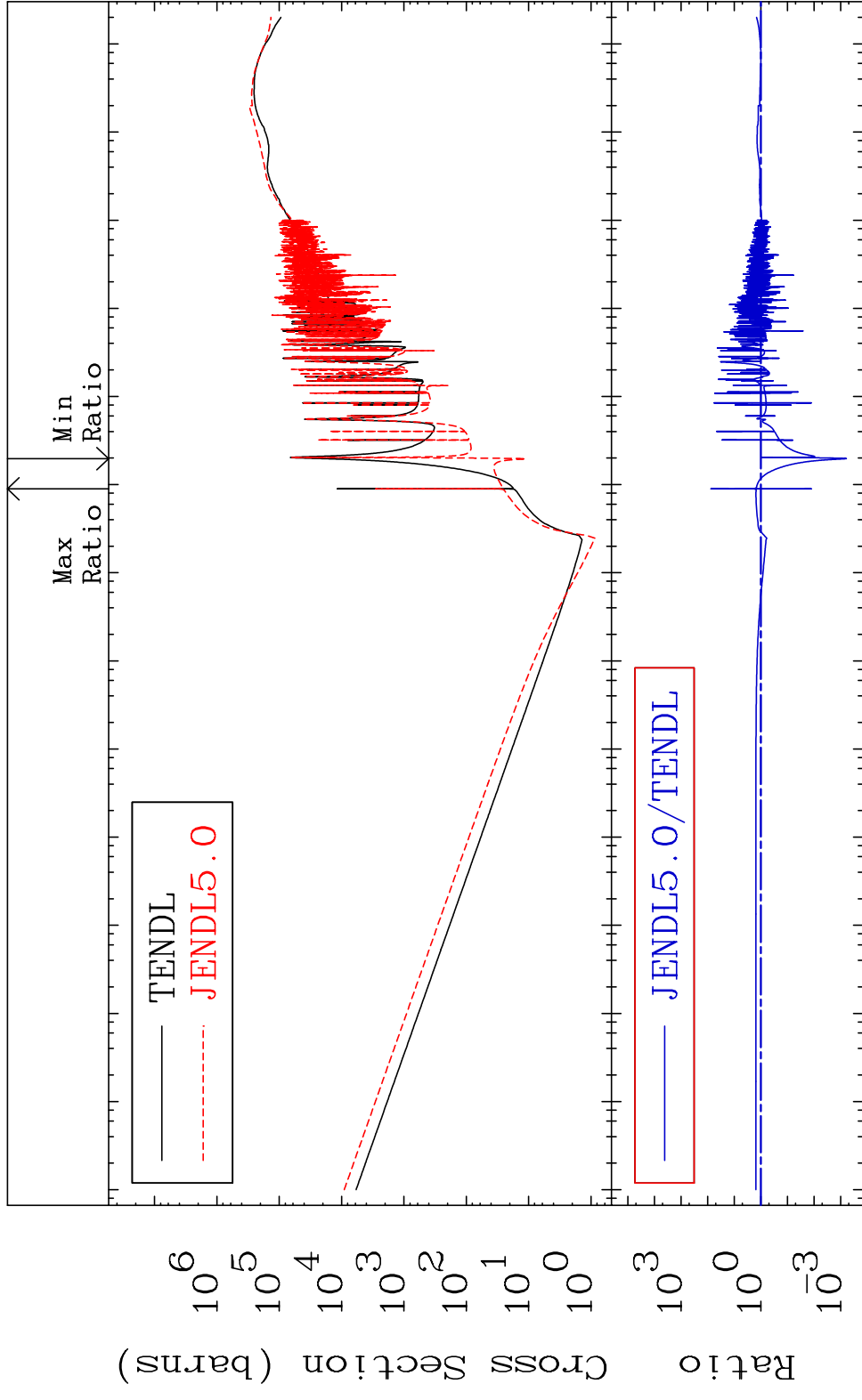
MAT 1931 Total photon (eV-barns) 19-K -41  
 Cross Section -204.3 To 9999. %



MAT 1931 Total kinematic kerma (high limit) 19-K -41  
 Cross Section -99.94 To 7477. %



MAT 1931      Dpa total (eV-barns)      19-K -41  
 Cross Section      -99.94 To 7593. %

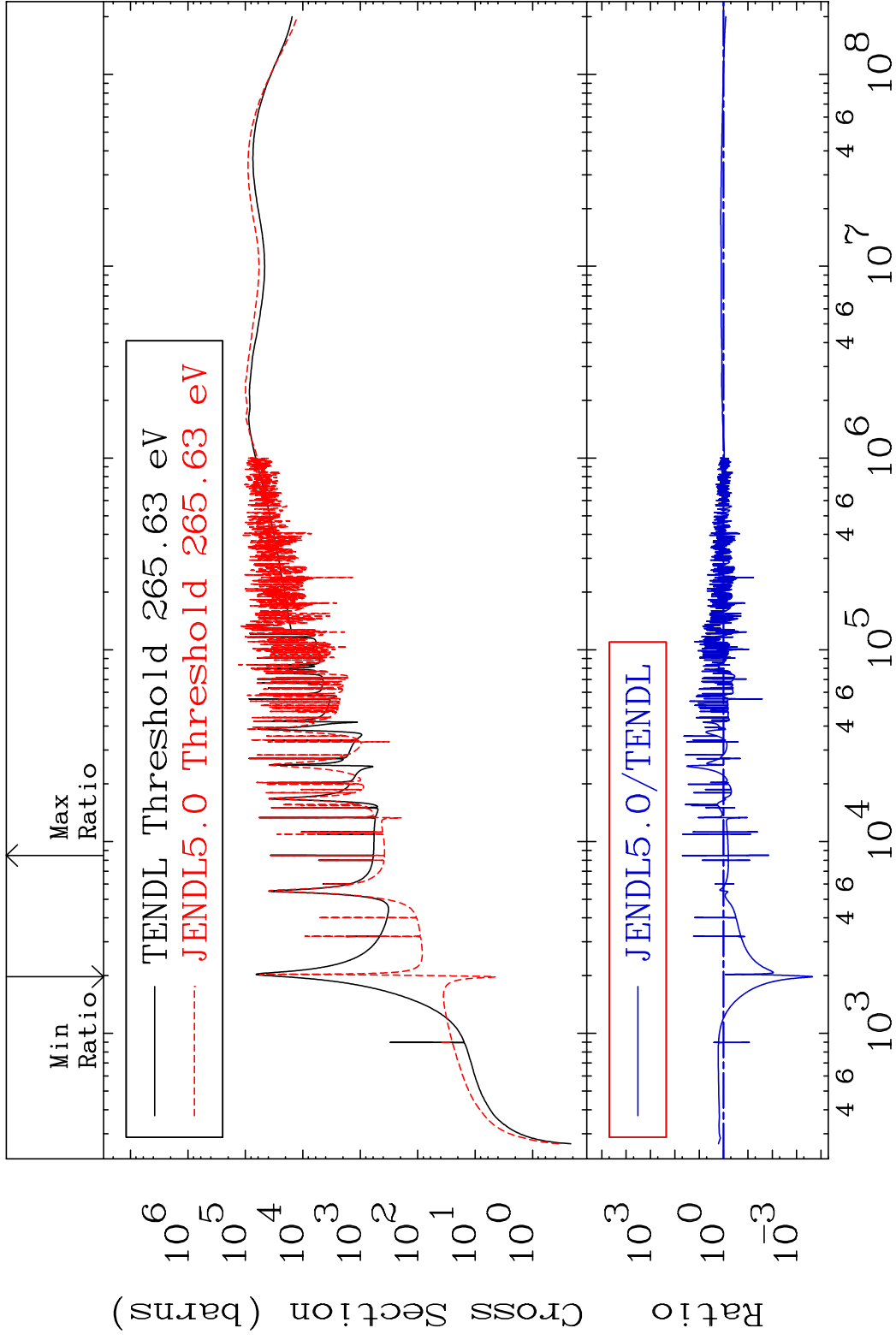


MAT 1931

Dpa elastic (mt2)

19-K -41

Cross Section -99.98 To 4916. %



68

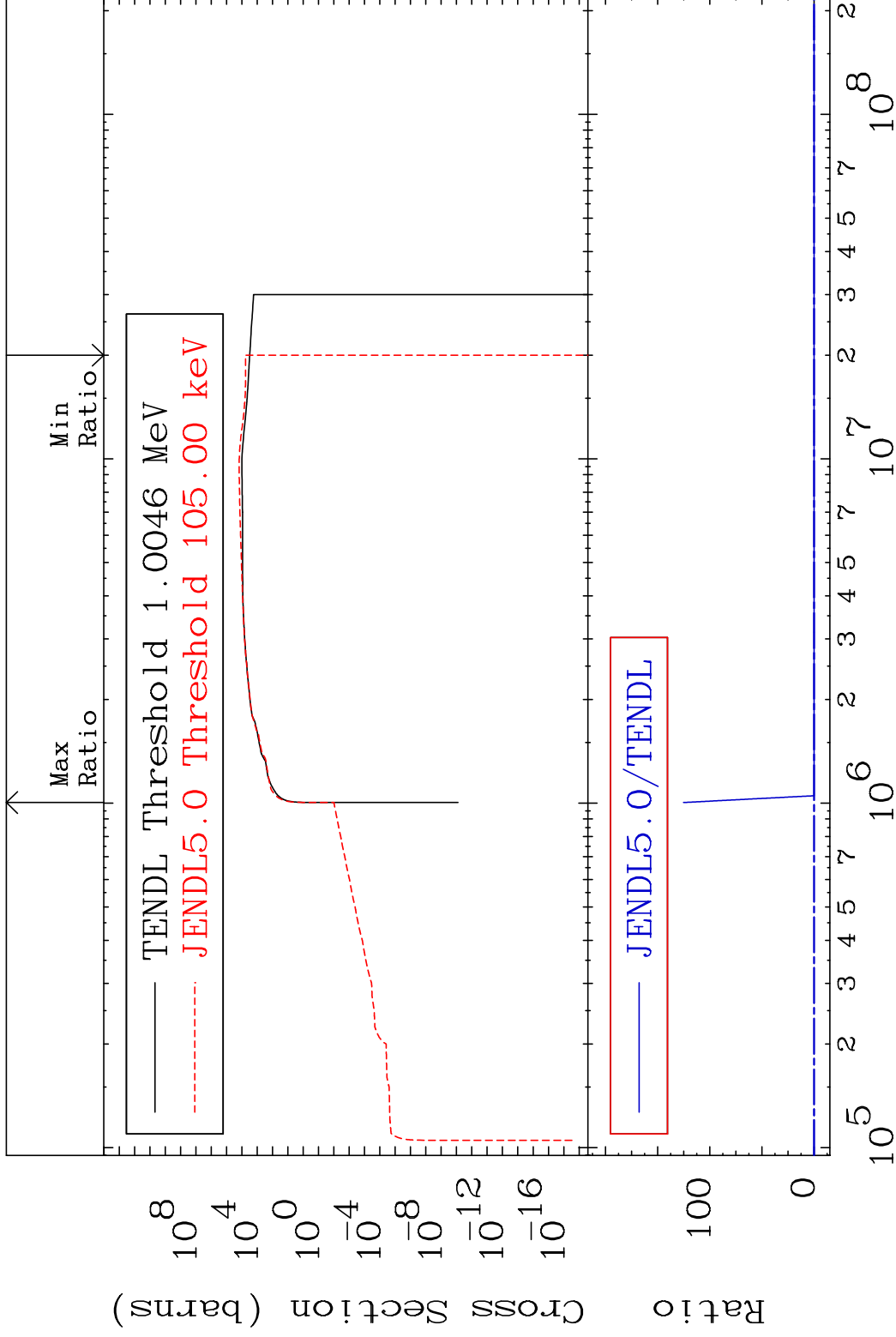
Incident Energy (eV)

19-K -41

MAT 1931

Dpa inelastic (mt51-91) 19-K -41

Cross Section -100.0 To 9999. %

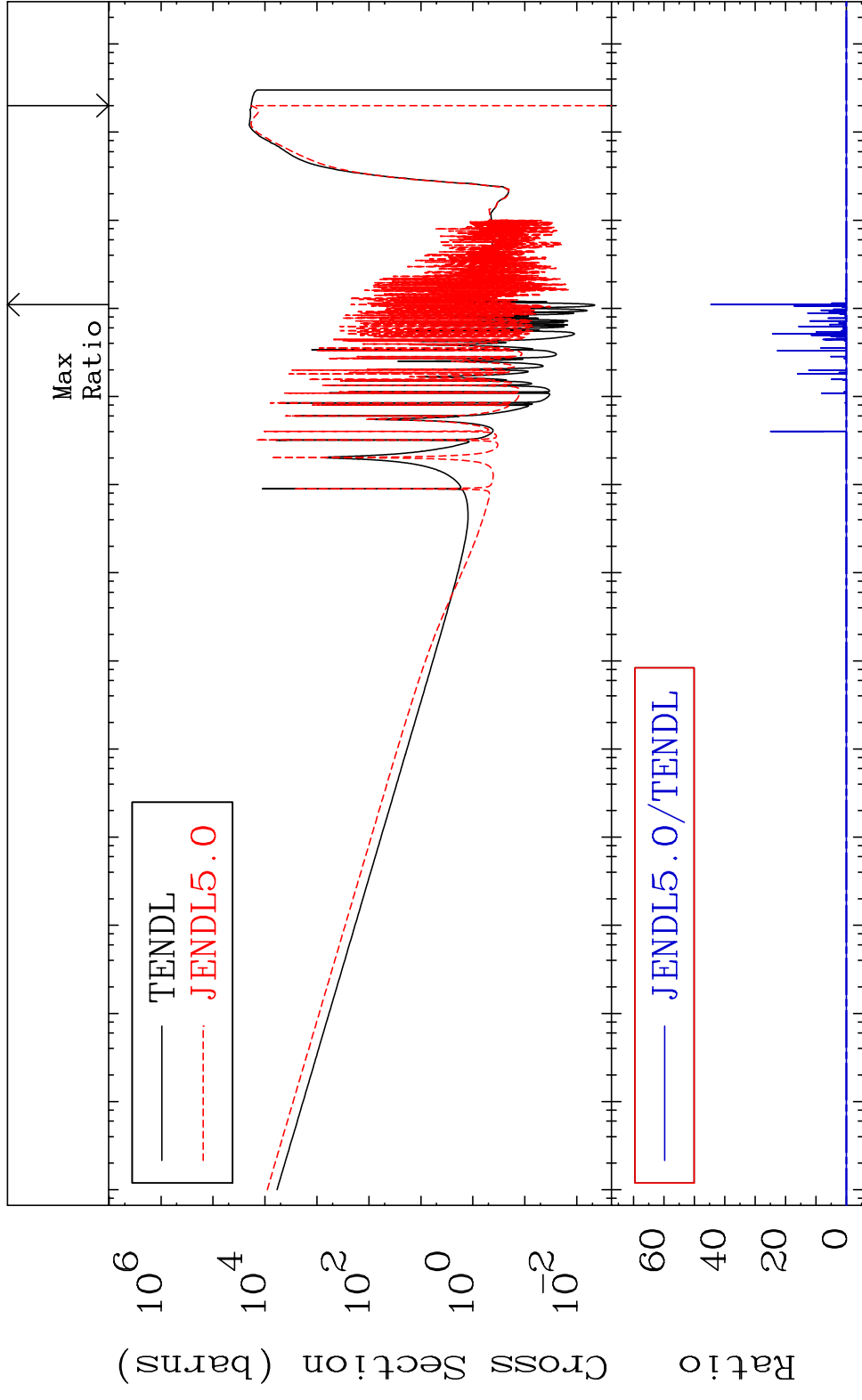


69

Incident Energy (eV)

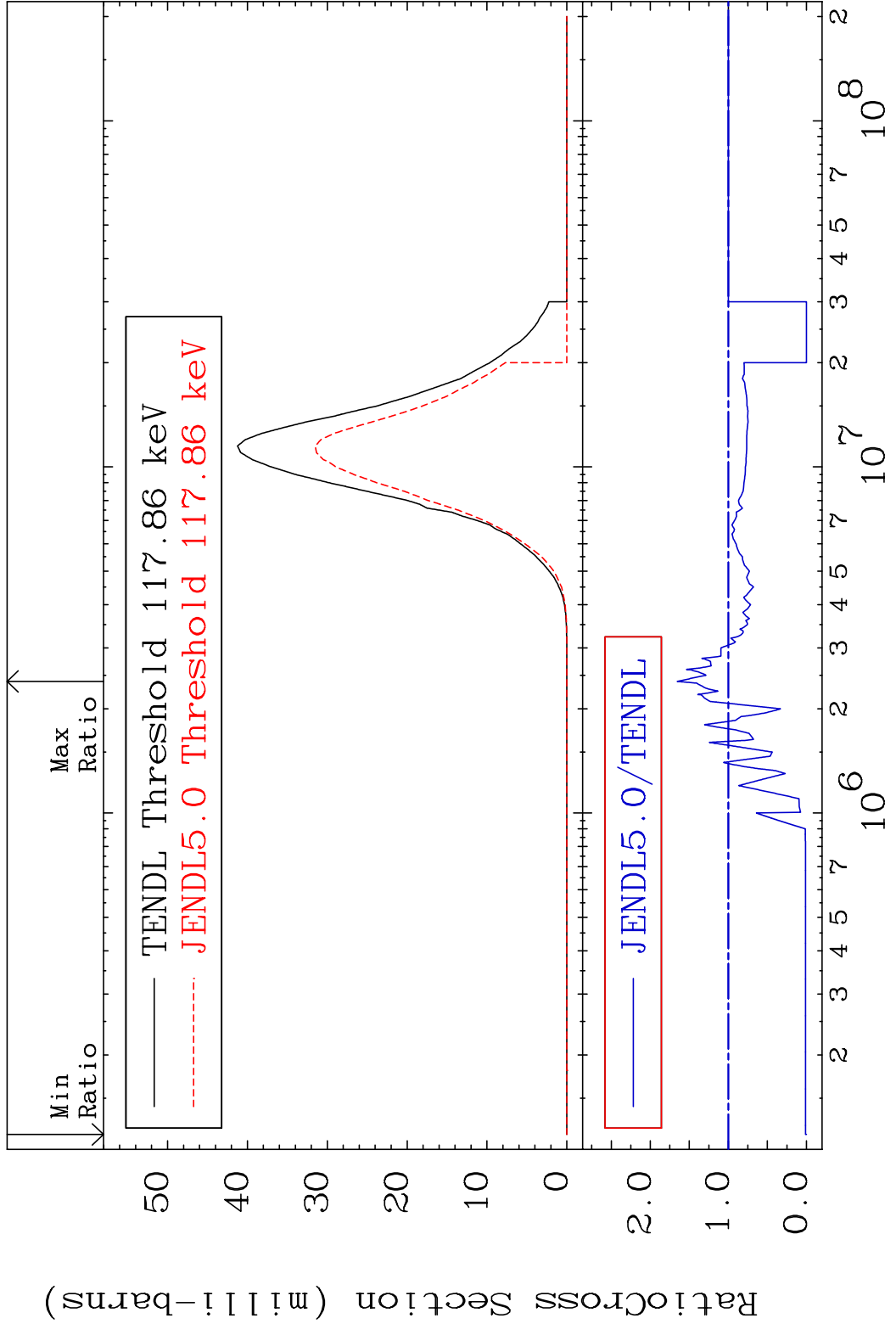
19-K -41

MAT 1931 Dpa disappearance (mt102 -120) 19-K -41  
 Cross Section -100.0 To 9999. %

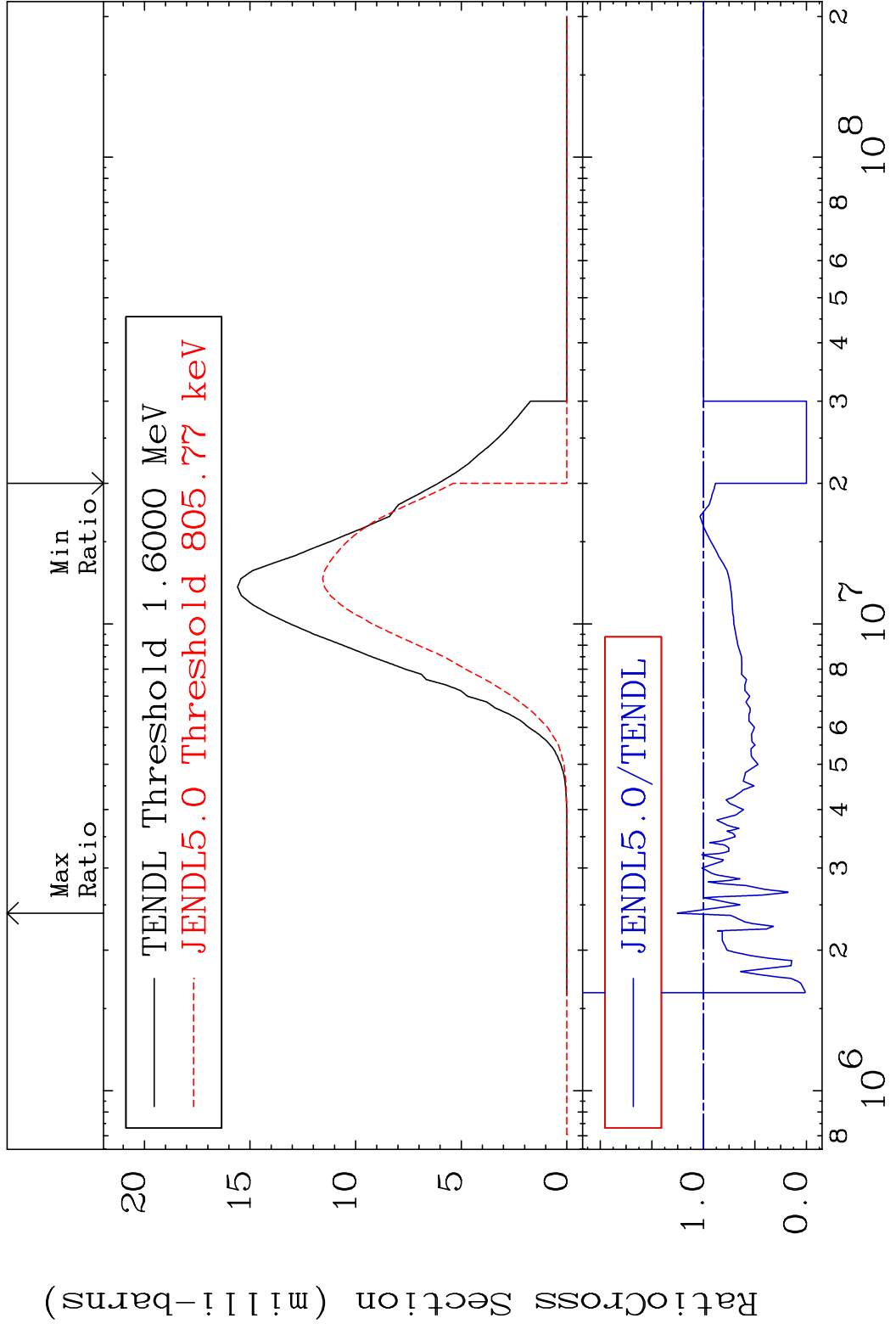


70 Incident Energy (eV) 19-K -41

MAT 1931 (n,  $\alpha$ ): 17-C1-38g 19-K -41  
 Radionuclide Production Cross Section 180.01 d10 65.56 %

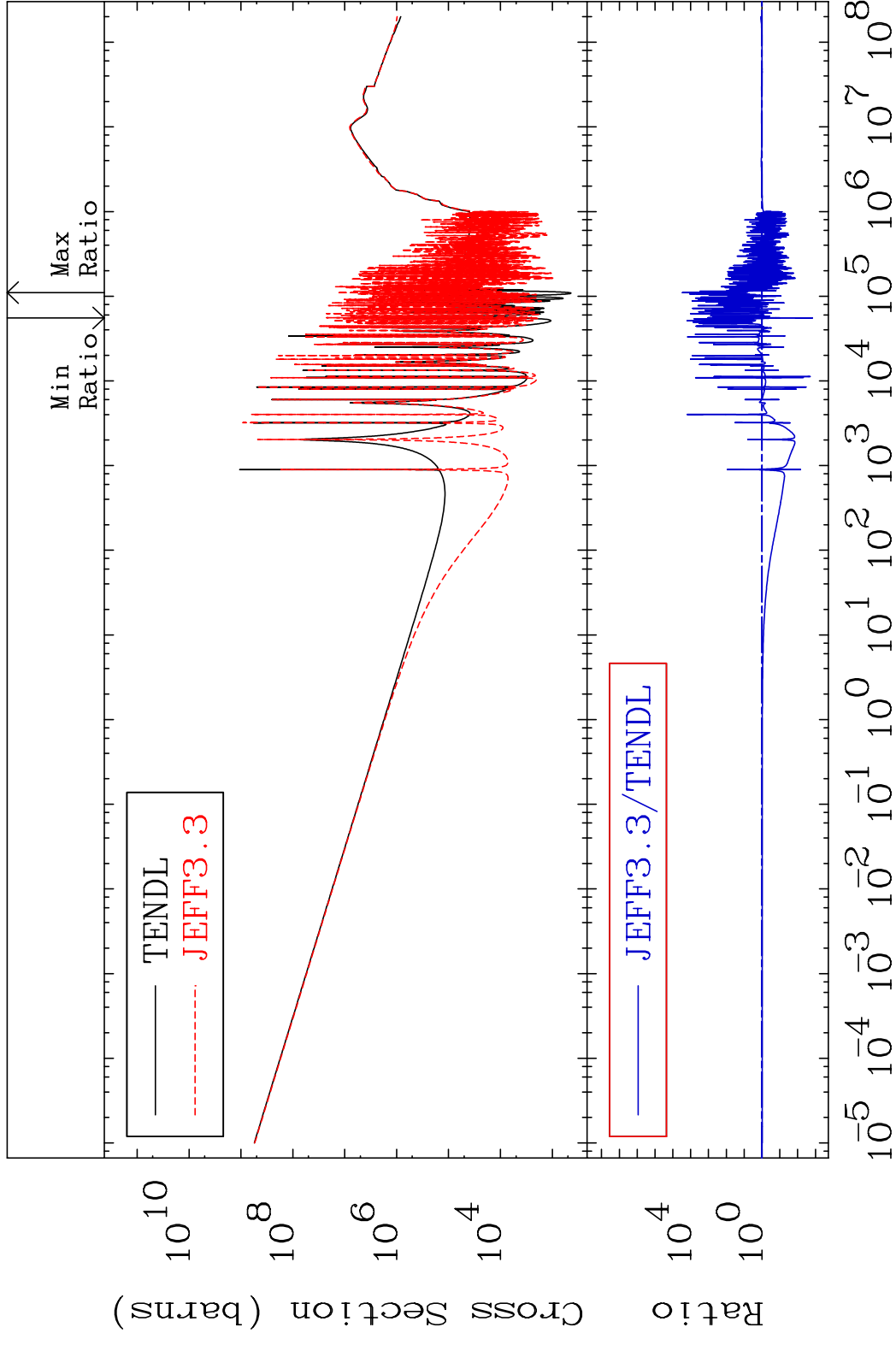


MAT 1931 (n,α):17-Cl-38m1 19-K -41  
 Radionuclide Production Cross Section 180.01 dth 25.44 %



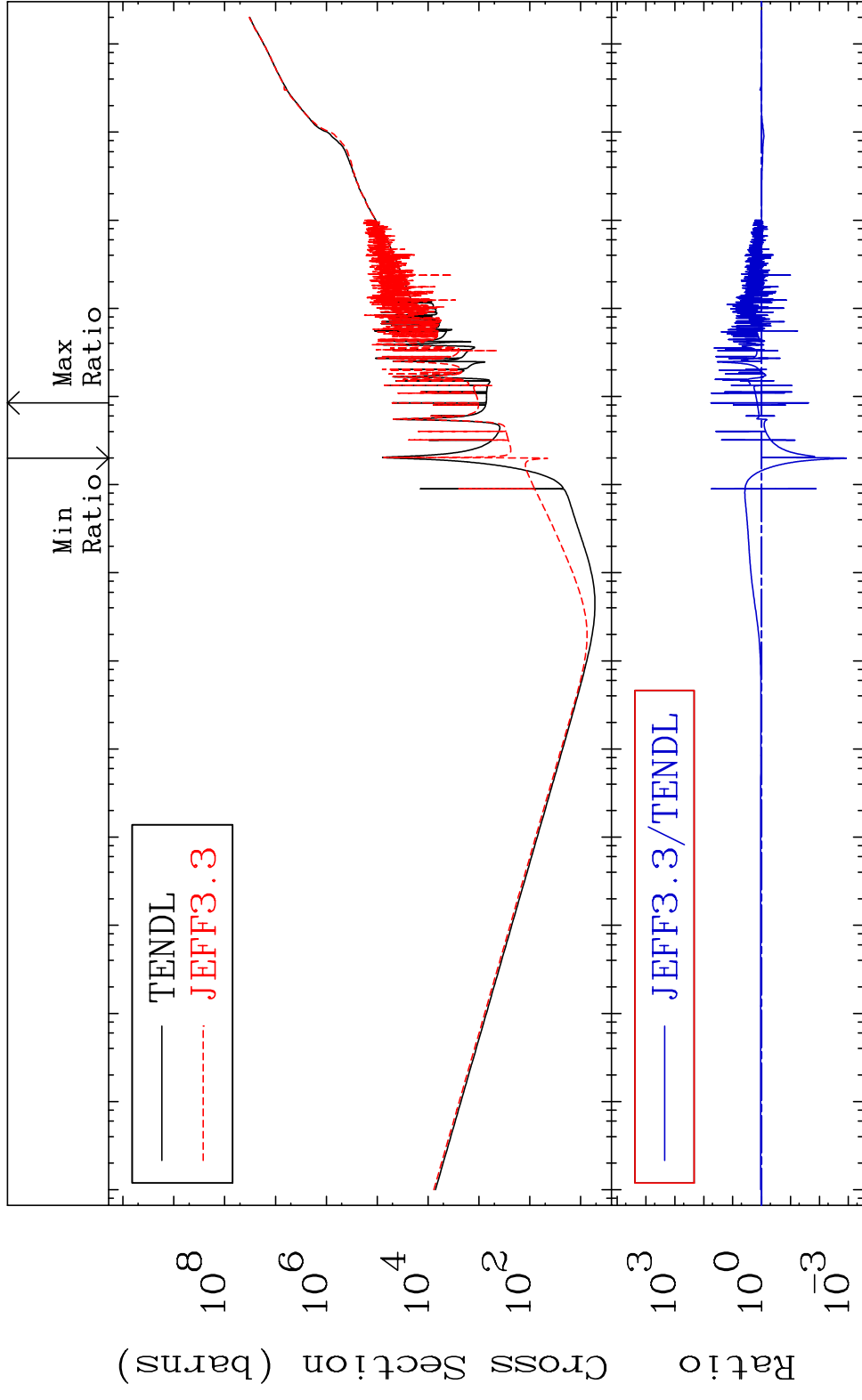
72 19-K -41

MAT 1931 Total photon (eV-barns) 19-K -41  
 Cross Section -99.85 To 9999. %

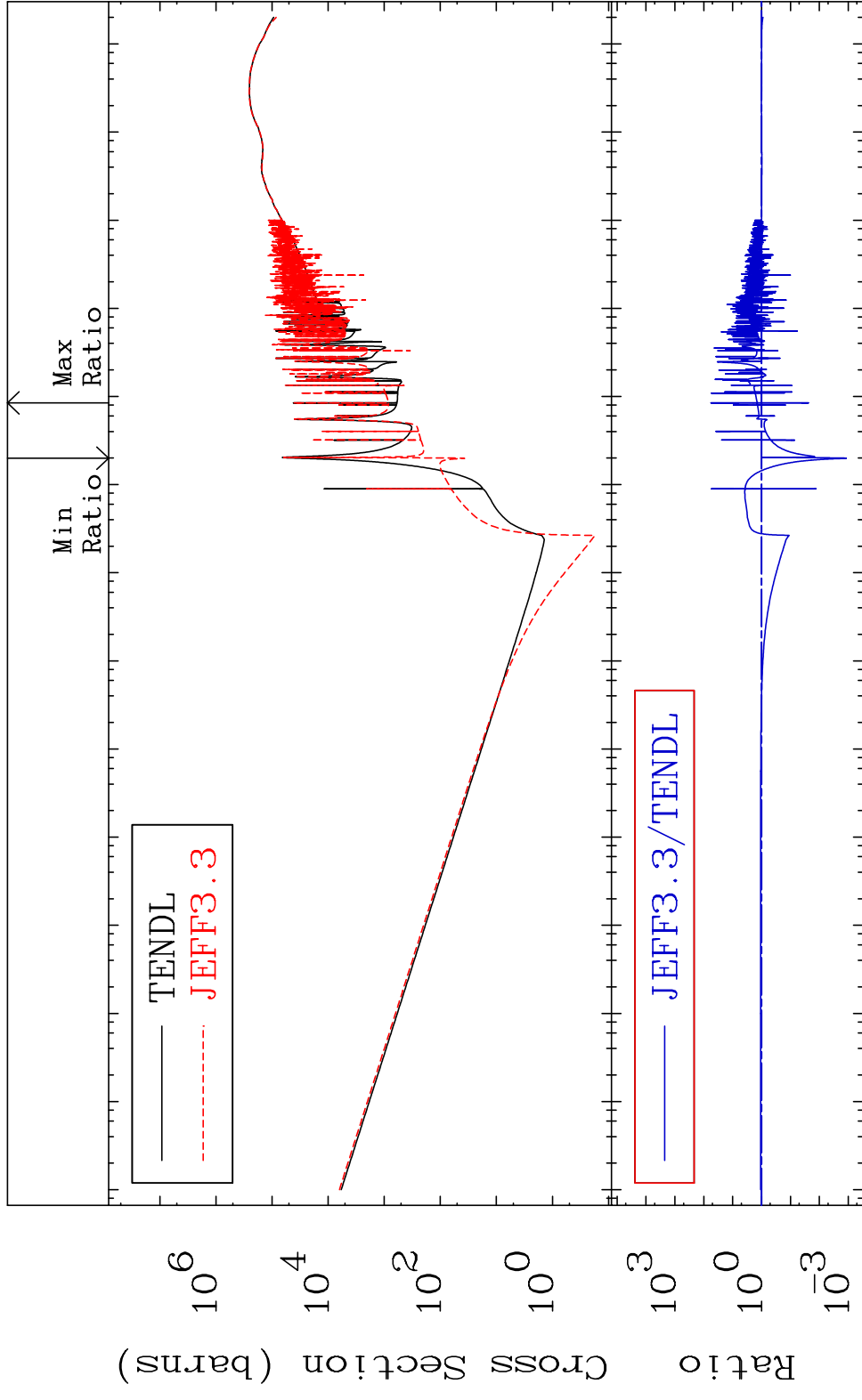


73 Incident Energy (eV) 19-K -41

MAT 1931 Total kinematic kerma (high limit) 19-K -41  
 Cross Section -99.88 To 5657. %



MAT 1931      Dpa total (eV-barns)      19-K -41  
 Cross Section      -99.88 To 5653. %



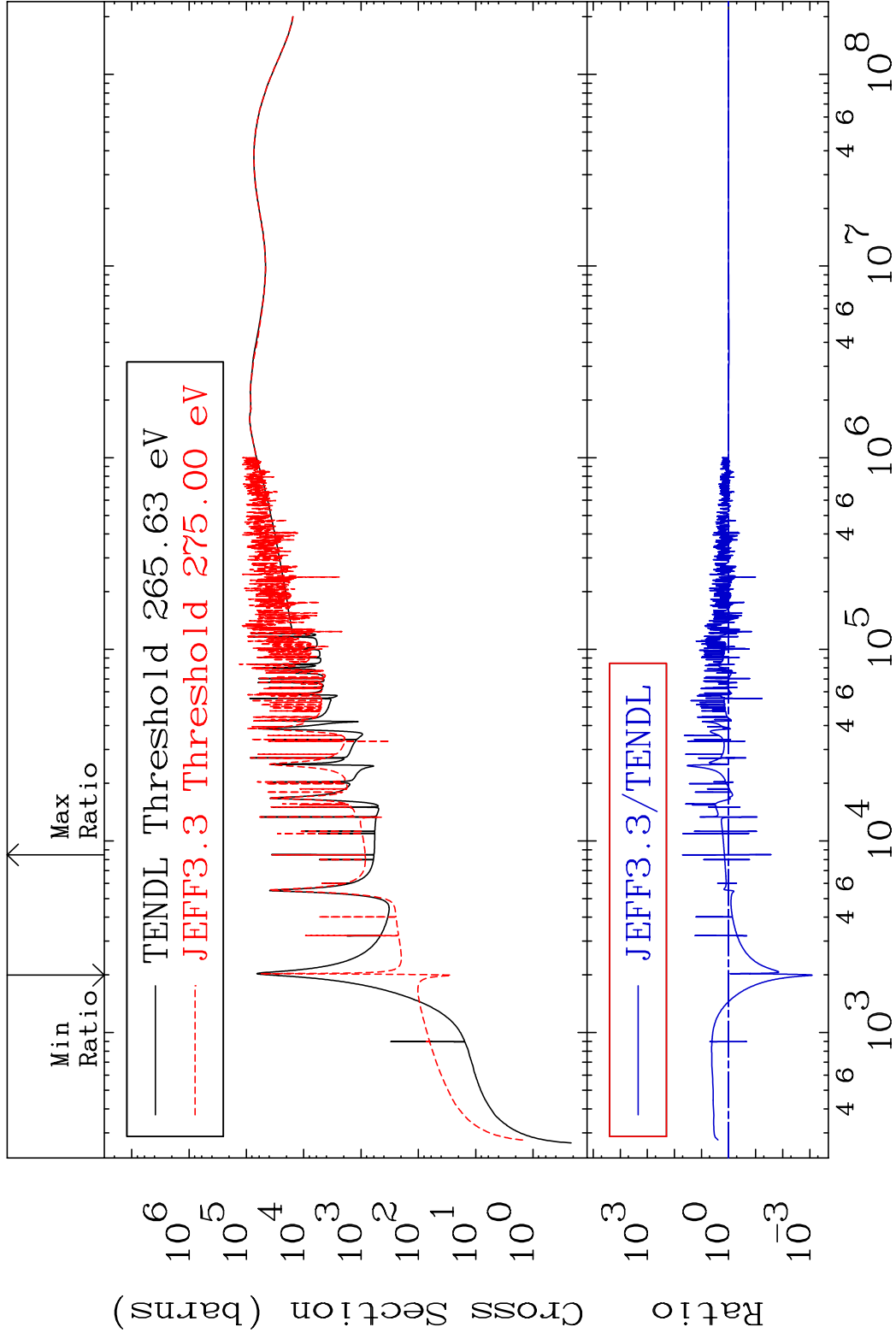
75      Incident Energy (eV)      19-K -41

MAT 1931

Dpa elastic (mt2)

19-K -41

Cross Section -99.92 To 4989. %



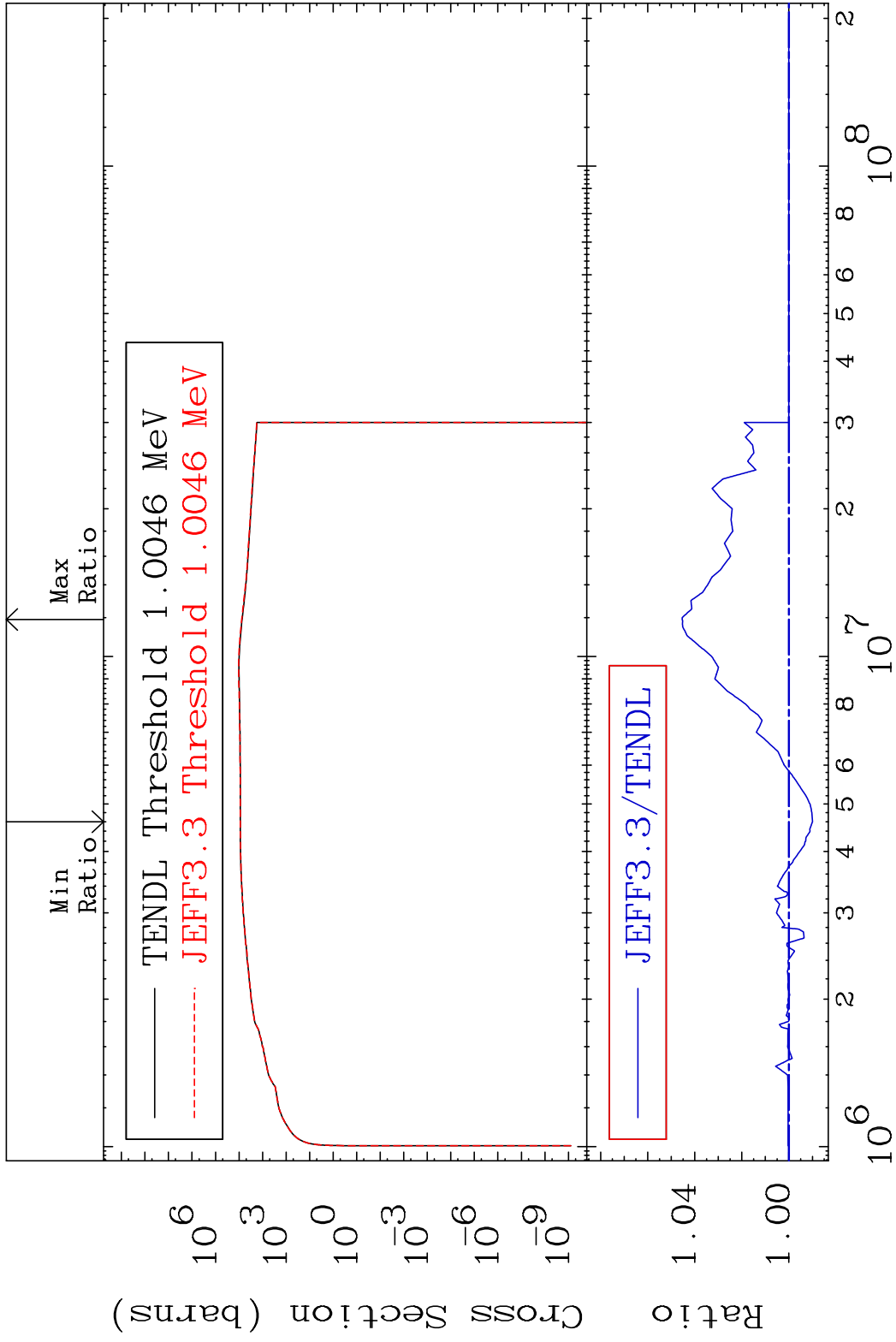
76

Incident Energy (eV)

19-K -41

MAT 1931

Dpa inelastic (mt51-91) 19-K -41  
Cross Section -1.002 To 4.537 %

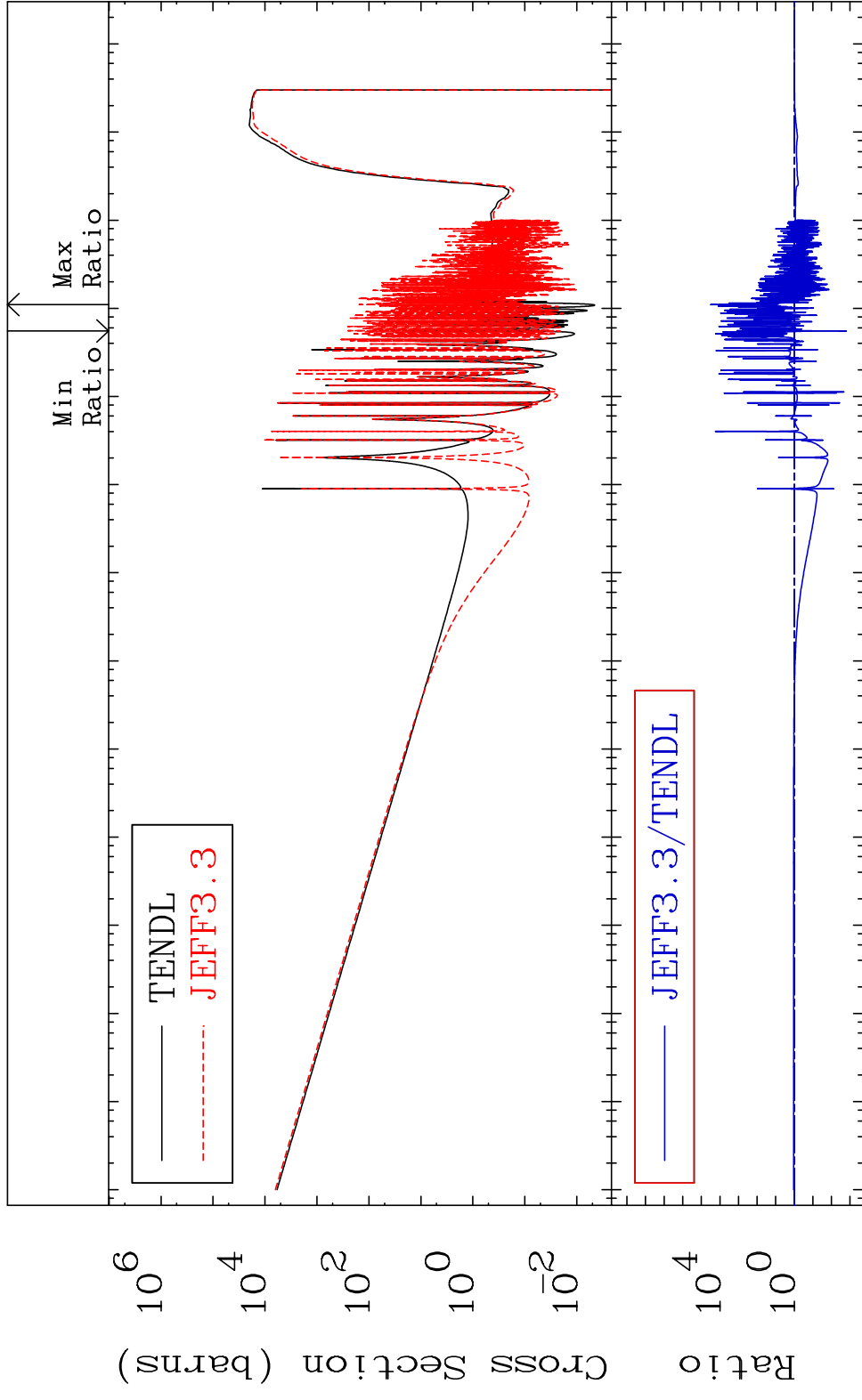


77

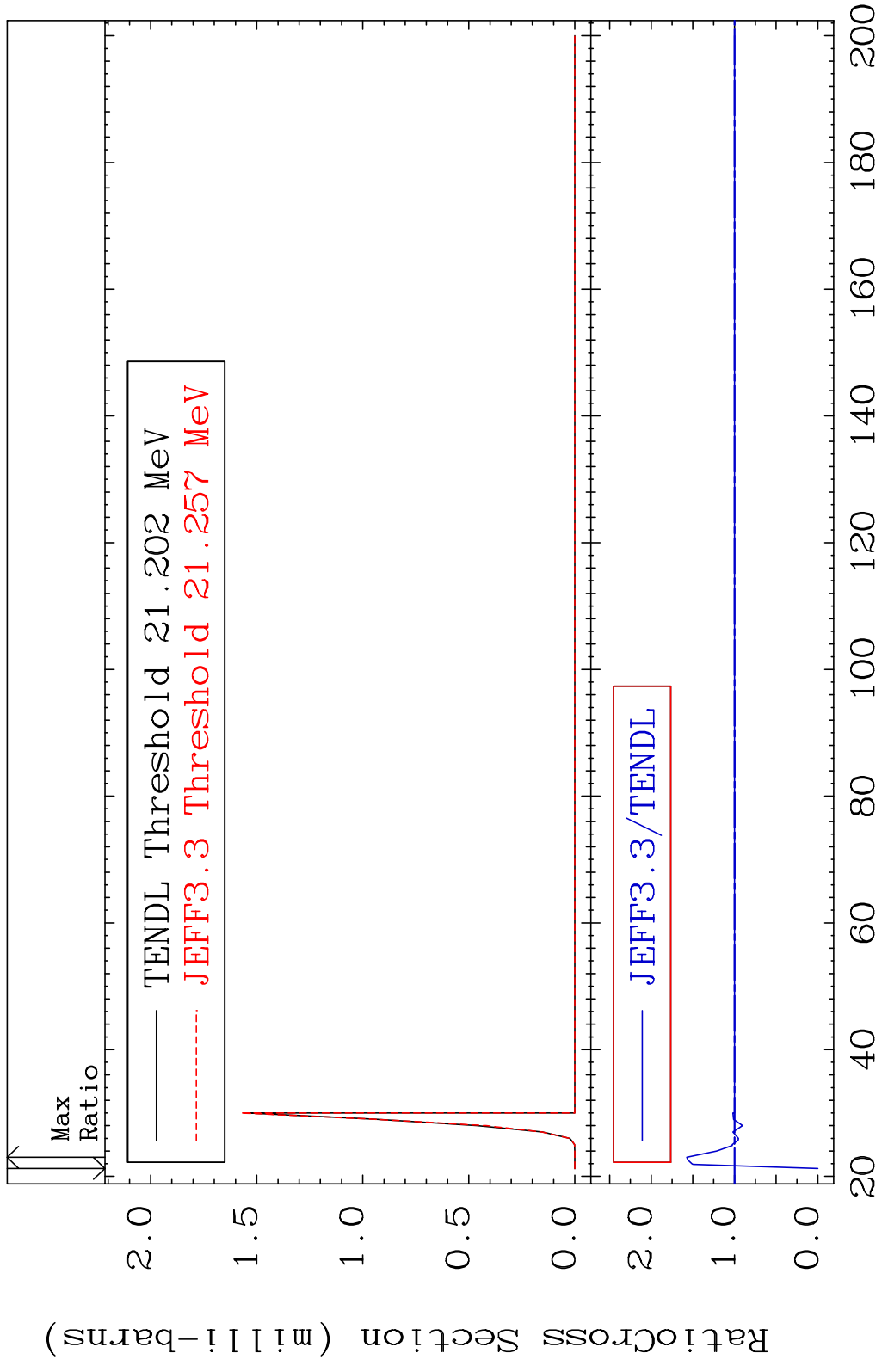
Incident Energy (eV)

19-K -41

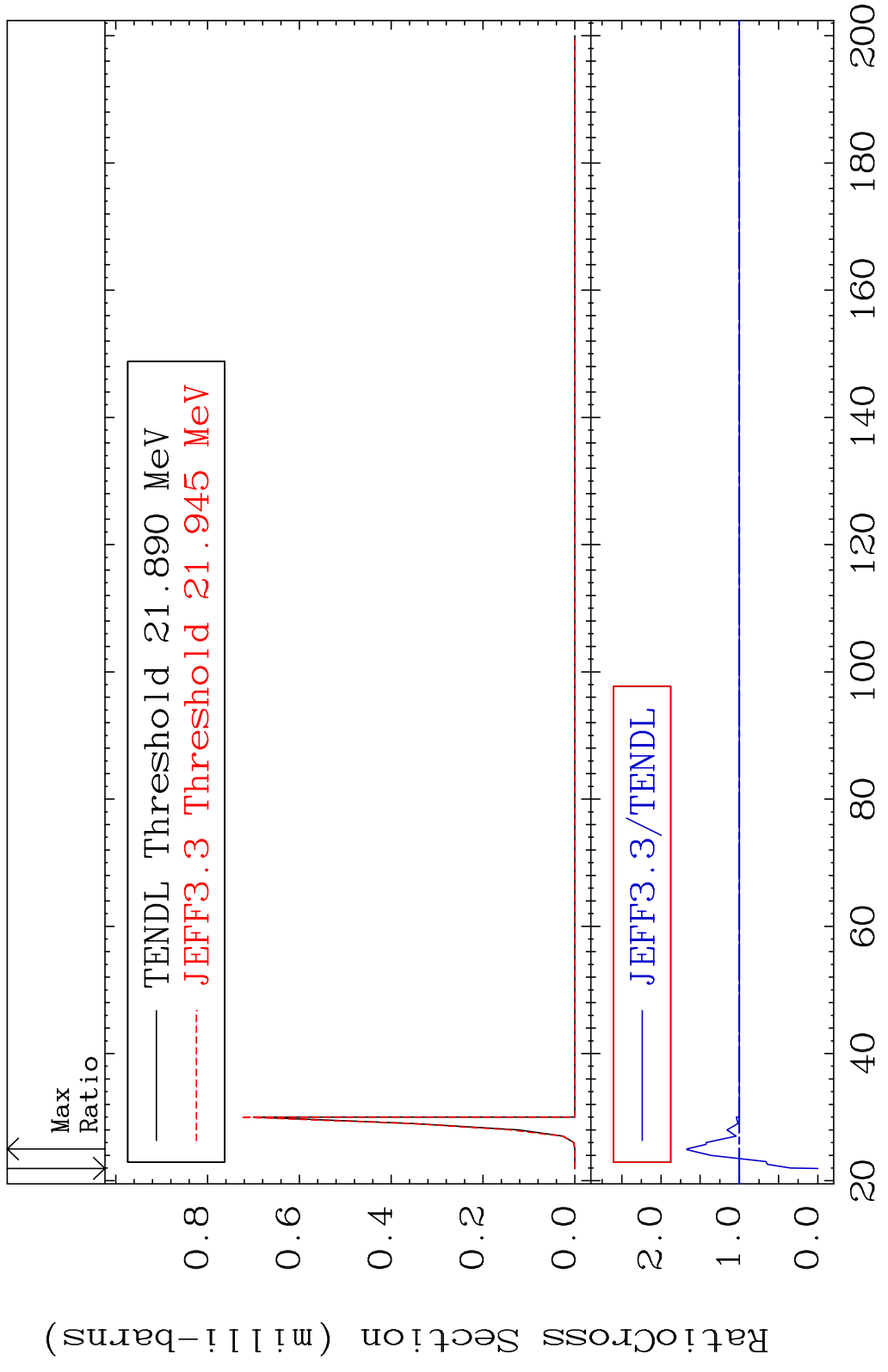
MAT 1931 Dpa disappearance (mt102 -120) 19-K -41  
 Cross Section -99.84 To 9999. %



MAT 1931 (n, n') He-3:17-C1-38g 19-K -41  
 Radionuclide Production Cross Section 180.01 dth 57.33 %

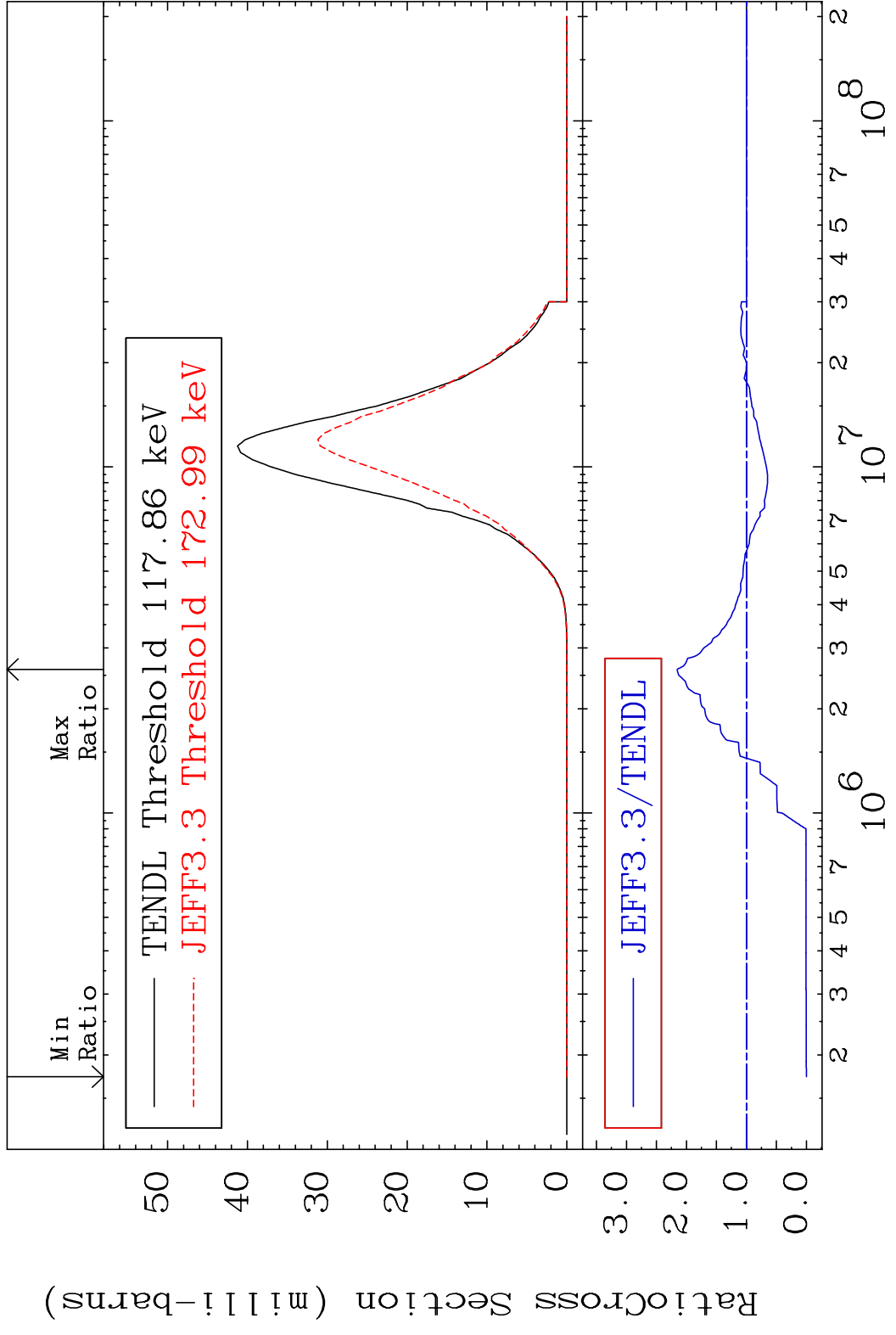


MAT 1931 (n, n') He-3:17-C1-38m1 19-K -41  
 Radionuclide Production Cross Section 180.01 dth 67.14 %

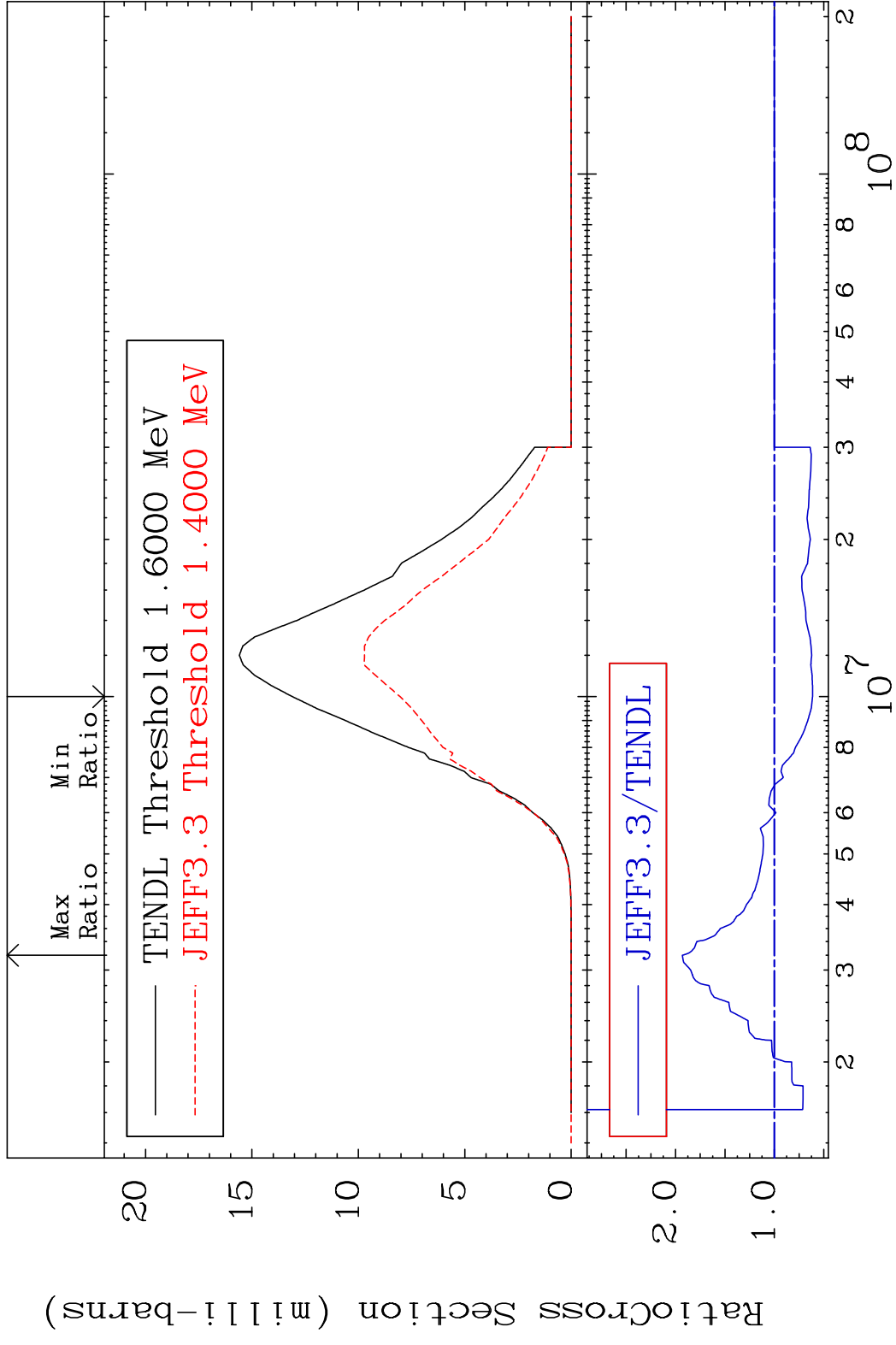


80 Incident Energy (MeV) 19-K -41

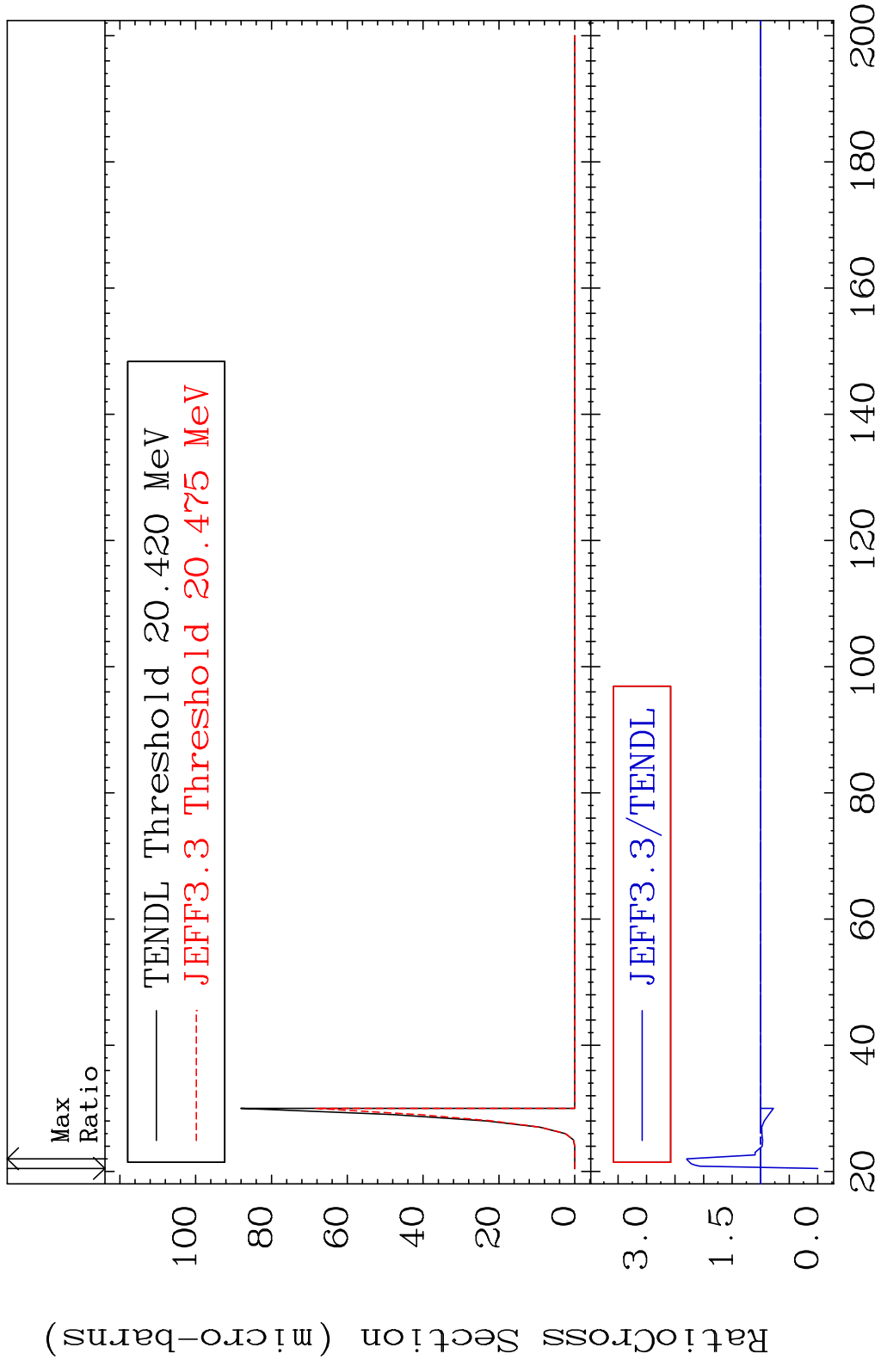
MAT 1931 (n,  $\alpha$ ): 17-C1-38g 19-K -41  
 Radionuclide Production Cross Section 180.01 d10 115.4 %



MAT 1931 (n,α):17-Cl-38m1 19-K -41  
 Radionuclide Production Cross Section 93.13 %



MAT 1931 (n,p) t:17-Cl-38g 19-K -41  
 Radionuclide Production Cross Section 180.01 dth 129.7 %



MAT 1931 (n,p) t:17-C1-38m1 19-K -41  
 Radionuclide Production Cross Section 66.22 %

