

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

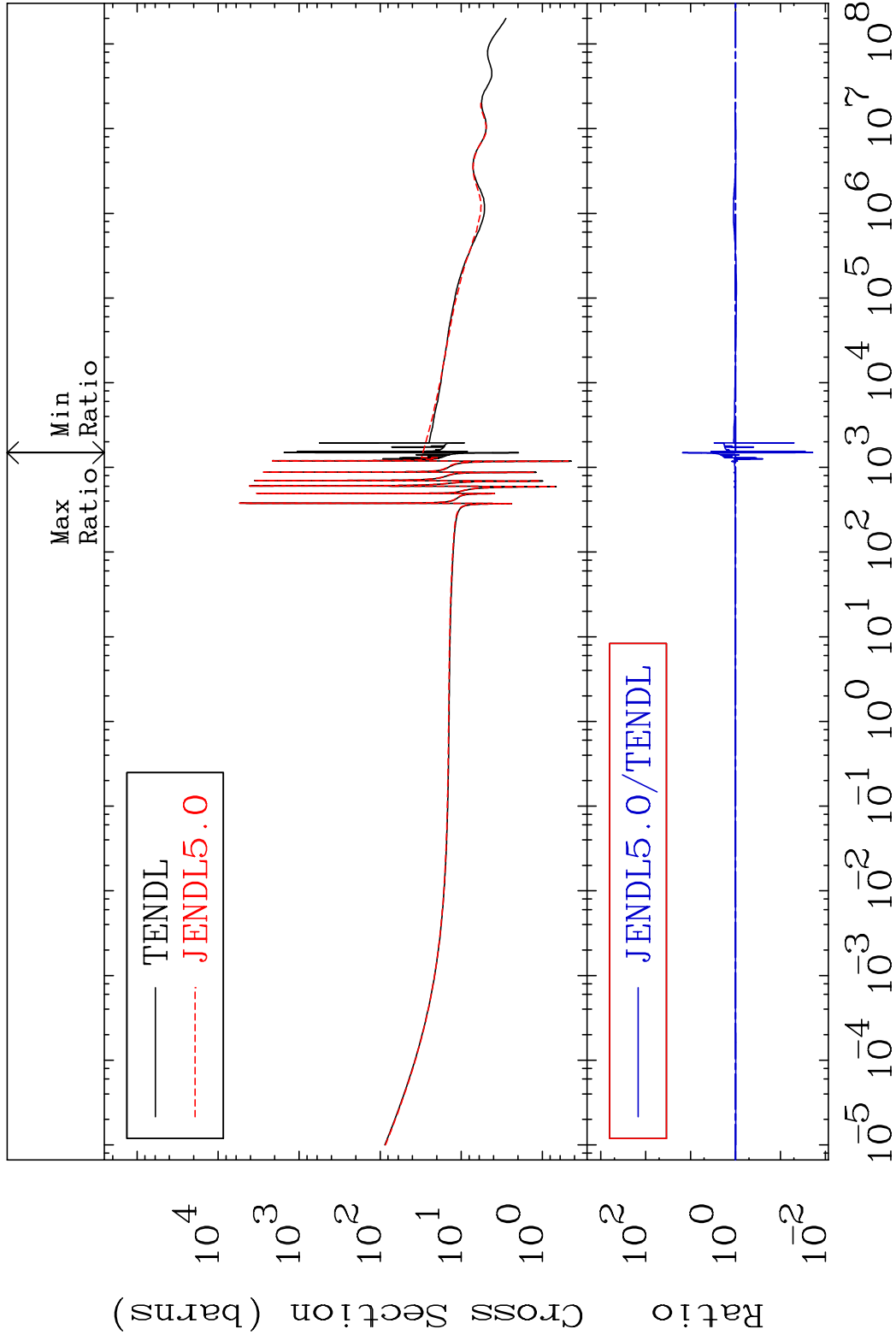
Press Mouse Button to Start

MAT 7837

Total

78-Pt-194

Cross Section -98.08 To 1427. %



1

Incident Energy (eV)

78-Pt-194

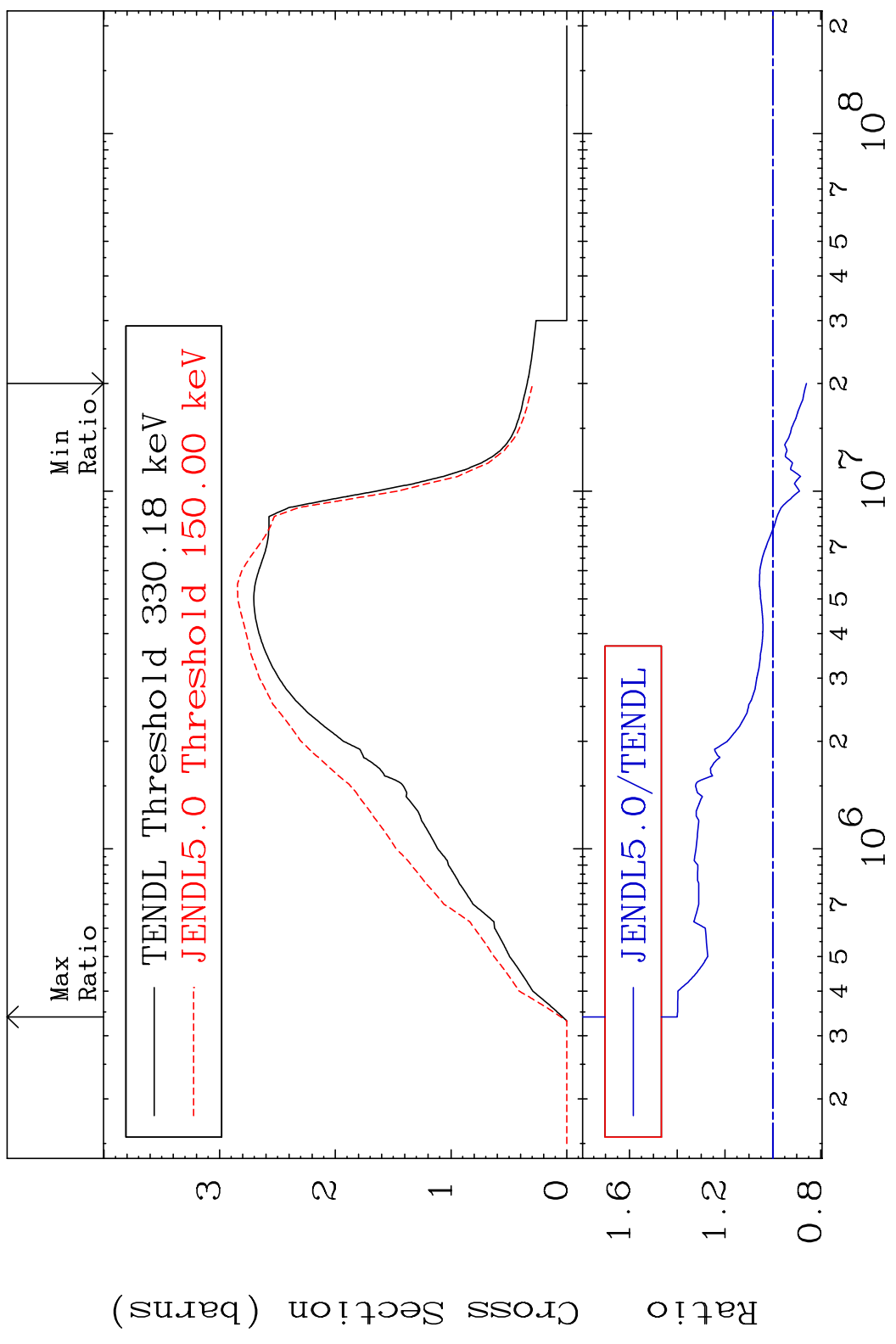


MAT 7837

Inelastic

78-Pt-194

Cross Section -14.03 To 40.03 %

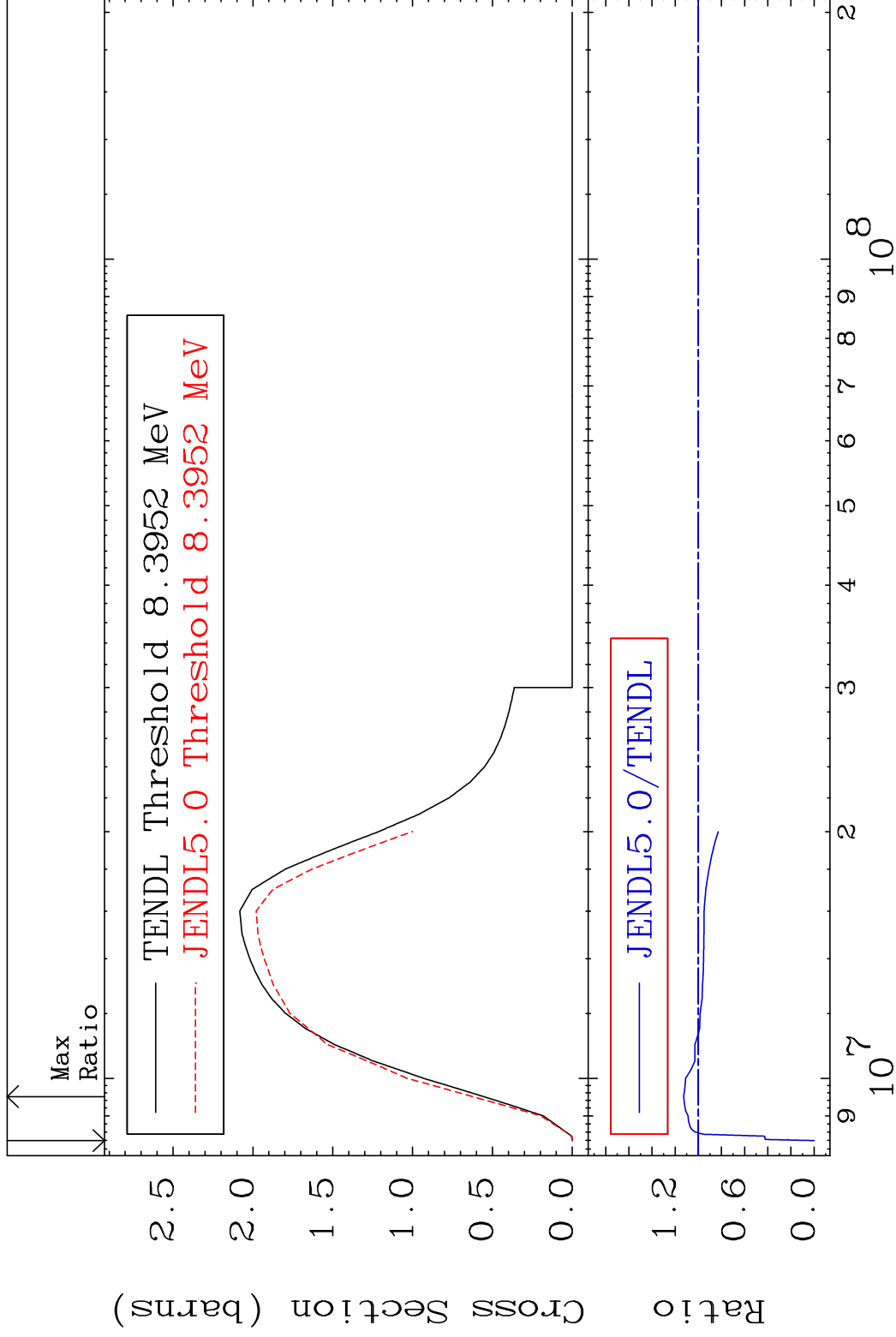


MAT 7837

(n,2n)

78-Pt-194

Cross Section -100.0 To 12.69 %



4

Incident Energy (eV)

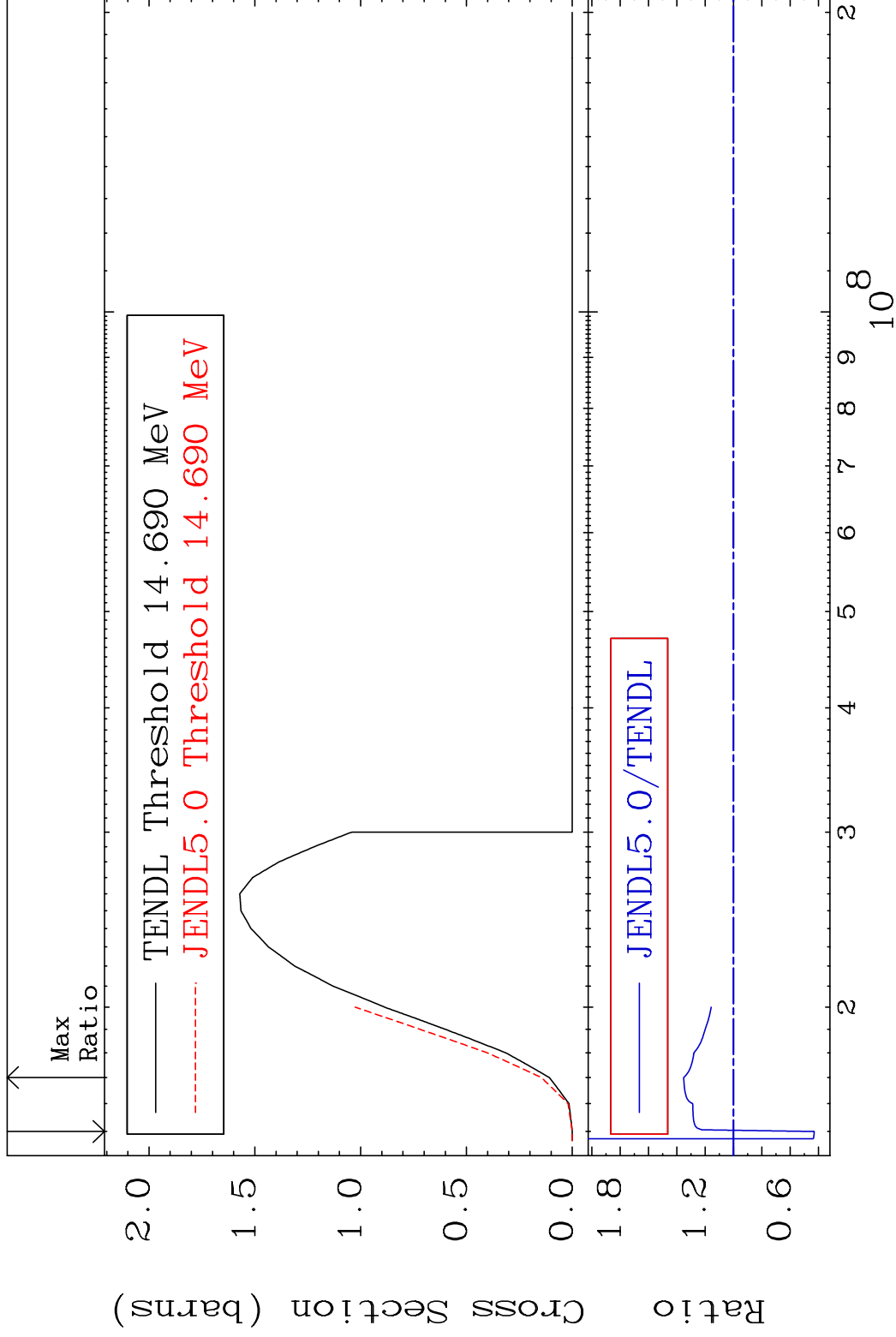
78-Pt-194

MAT 7837

(n,3n)

78-Pt-194

Cross Section -56.94 To 35.20 %



5

Incident Energy (eV)

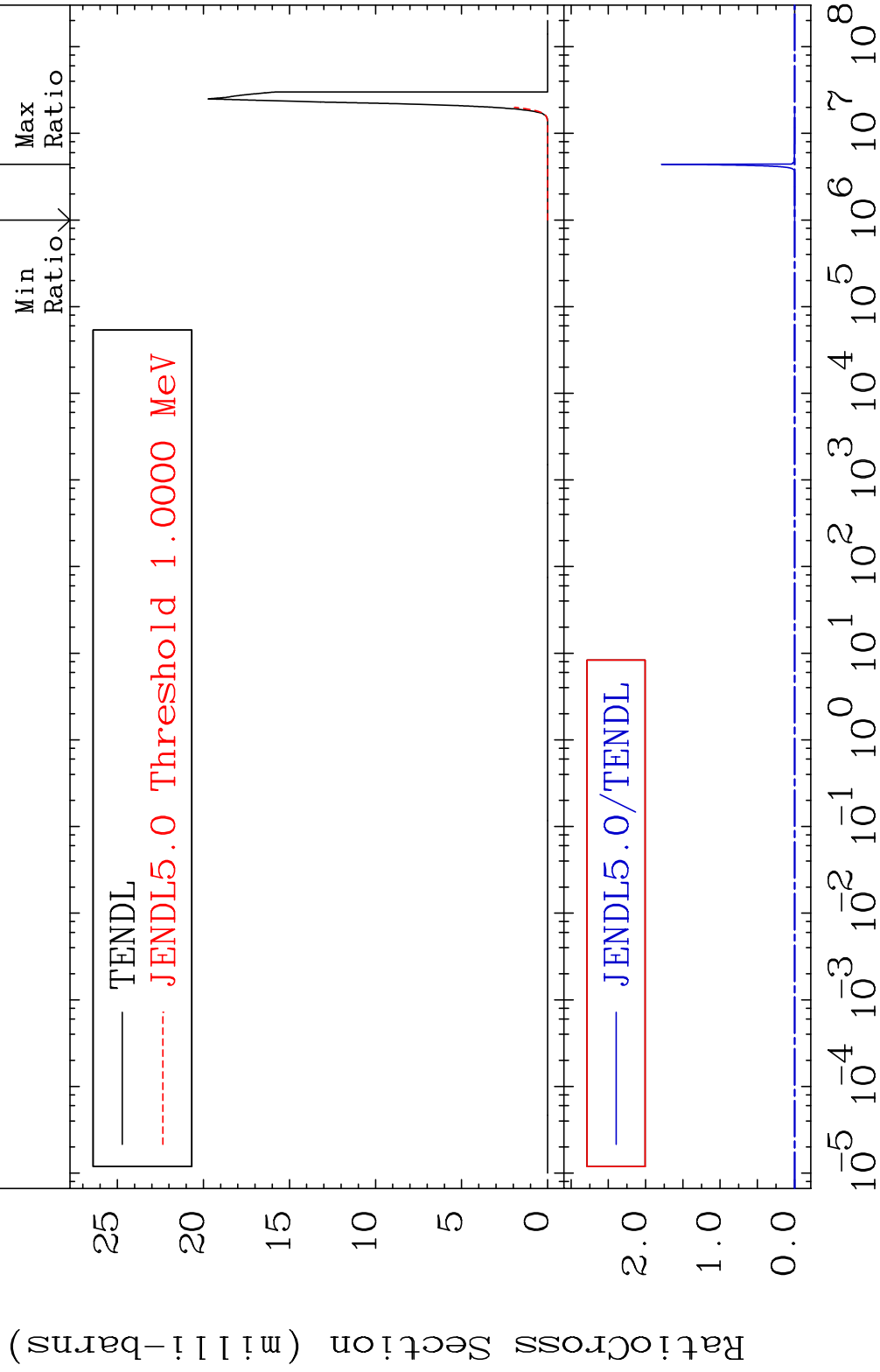
78-Pt-194

MAT 7837

(n, n')  $\alpha$

78-Pt-194

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

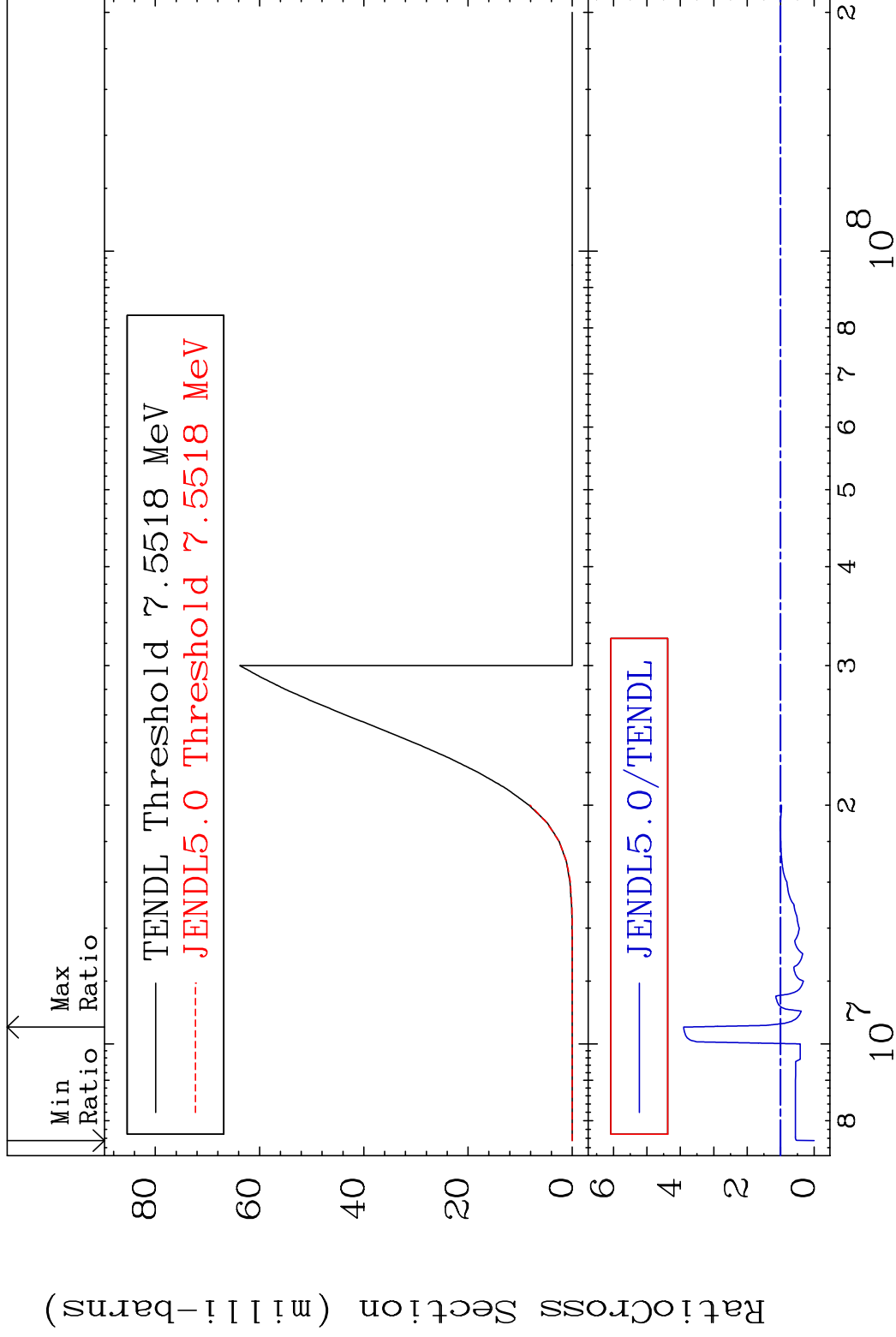
78-Pt-194

MAT 7837

(n, n') p

78-Pt-194

Cross Section -100.0 To 290.0 %



7

Incident Energy (eV)

78-Pt-194

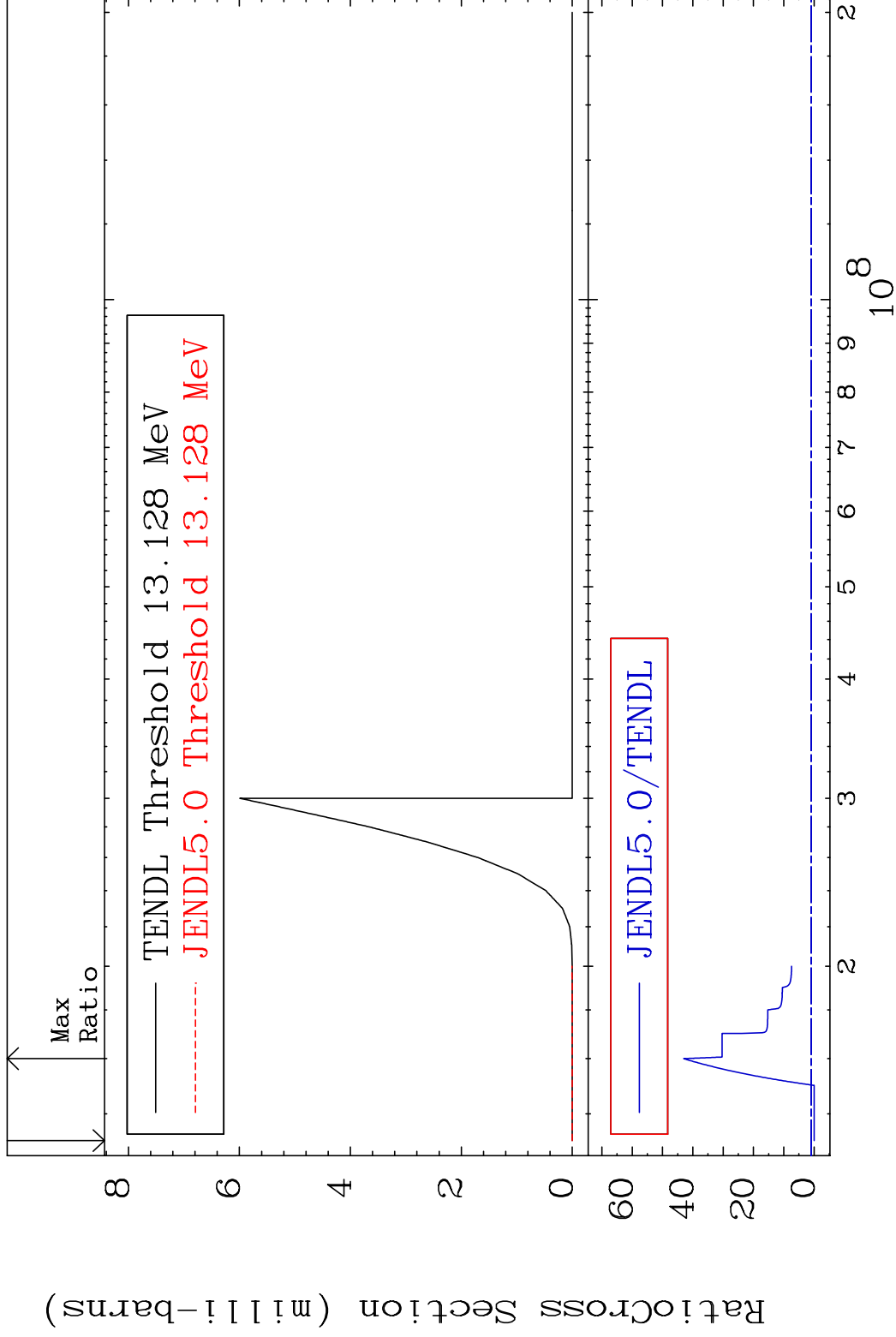


MAT 7837

(n, n') d

78-Pt-194

Cross Section -100.0 To 4202. %



8

Incident Energy (eV)

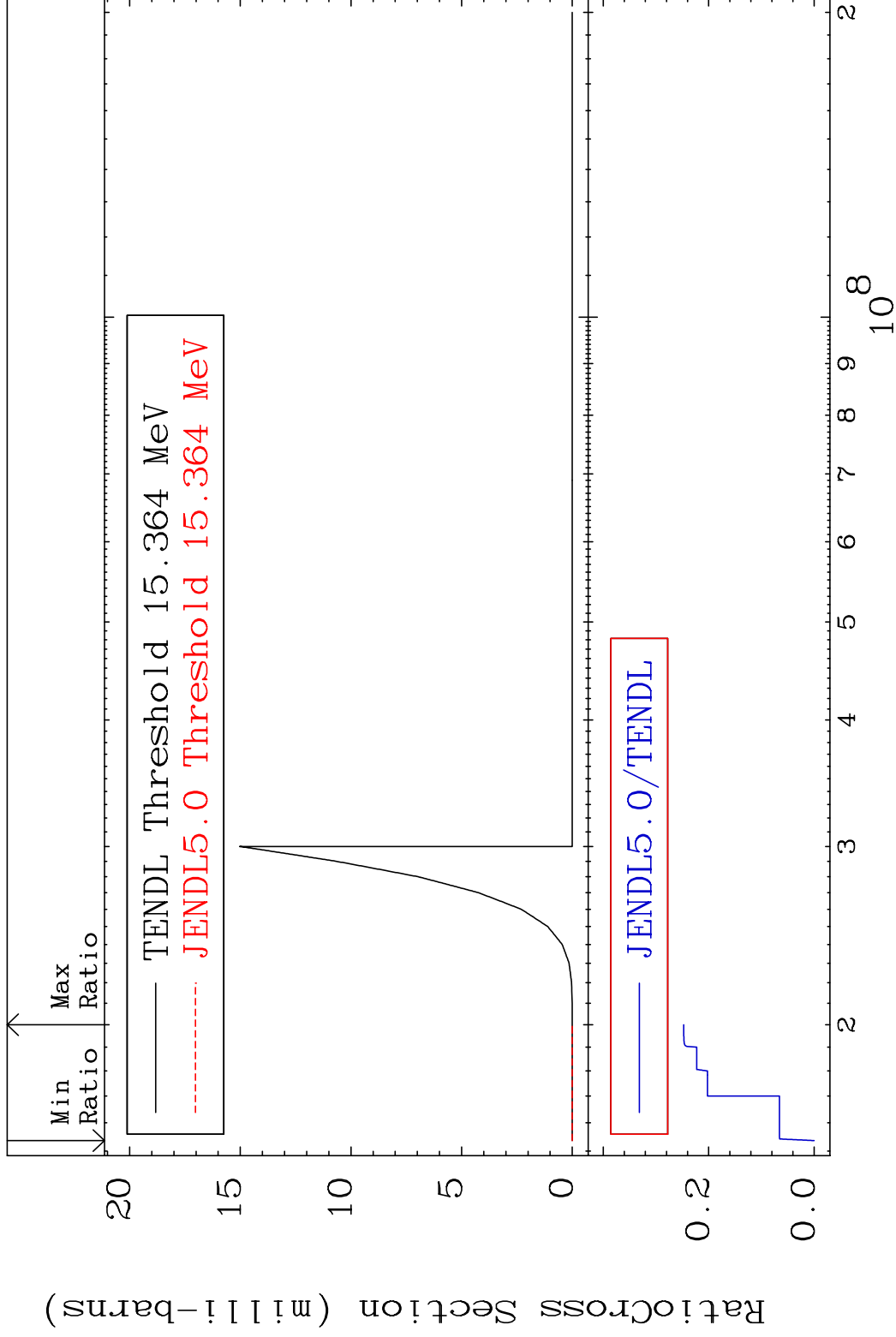
78-Pt-194

MAT 7837

(n,2n) p

78-Pt-194

Cross Section -100.0 To -75.26%

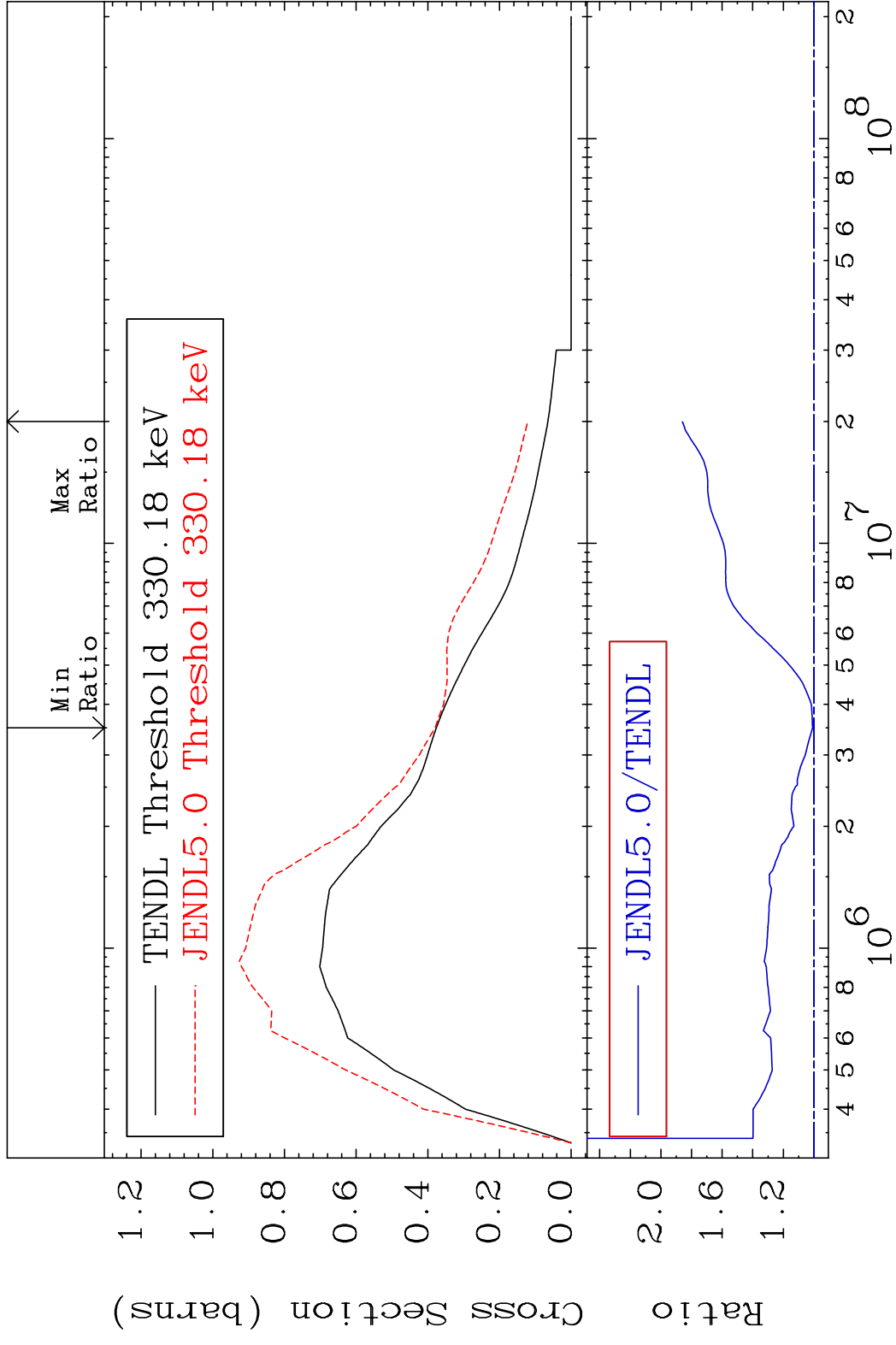


9

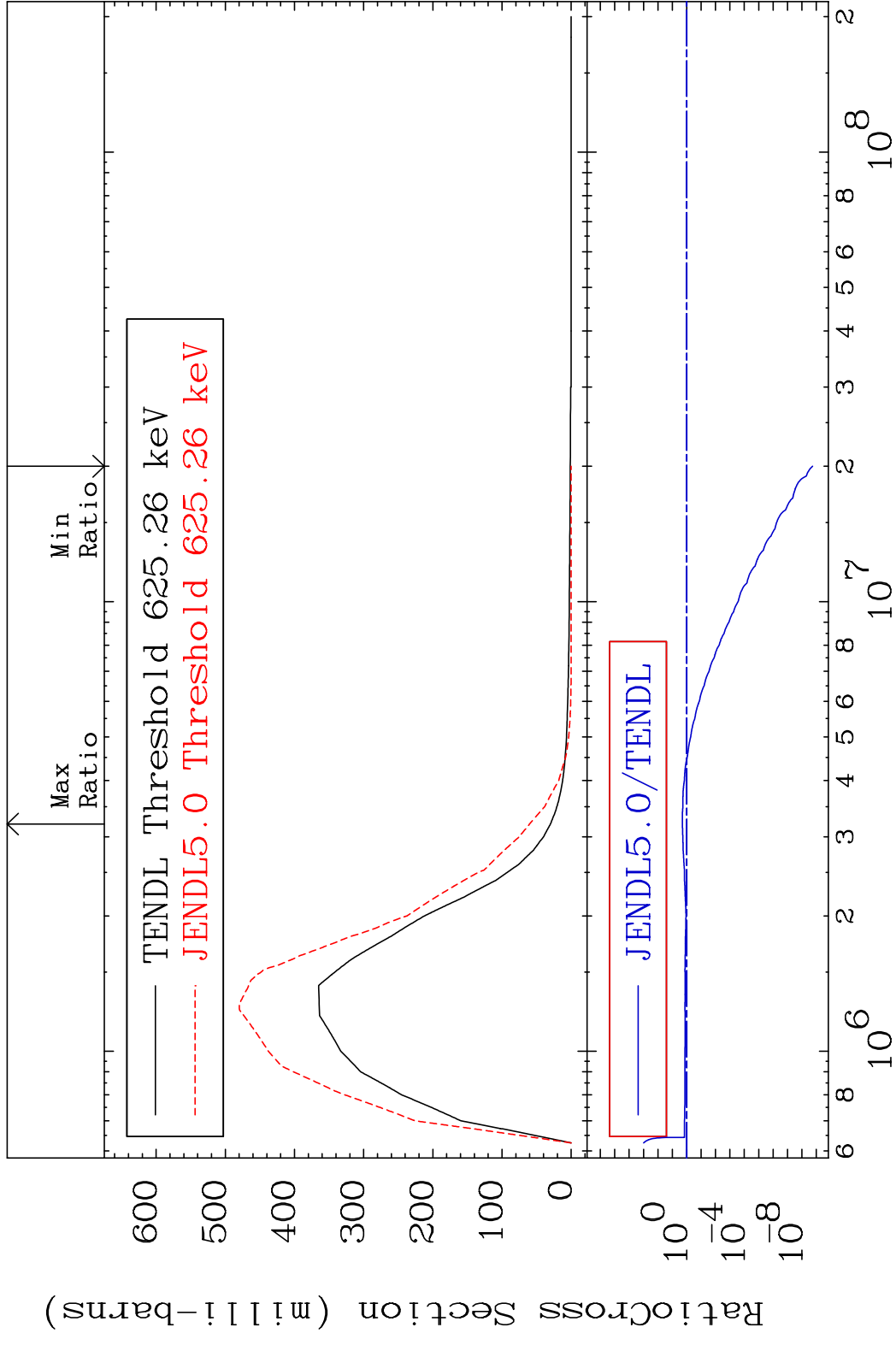
Incident Energy (eV)

78-Pt-194

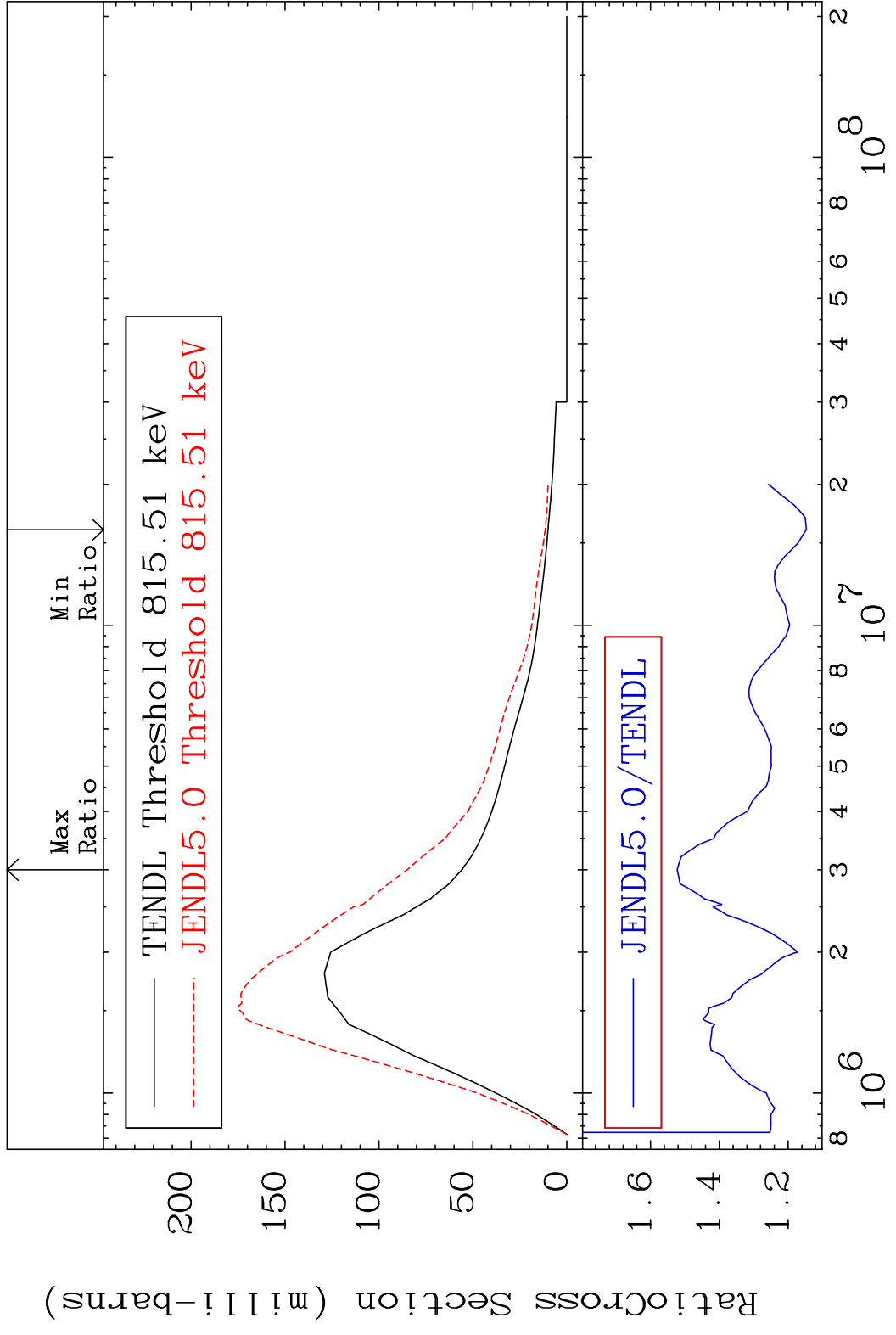
MAT 7837 MT= 51 (n, n') Level 78-Pt-194  
 Cross Section 0.896 To 85.99 %



MAT 7837 MT= 52 (n, n') Level 78-Pt-194  
 Cross Section -100.0 To 100.8 %

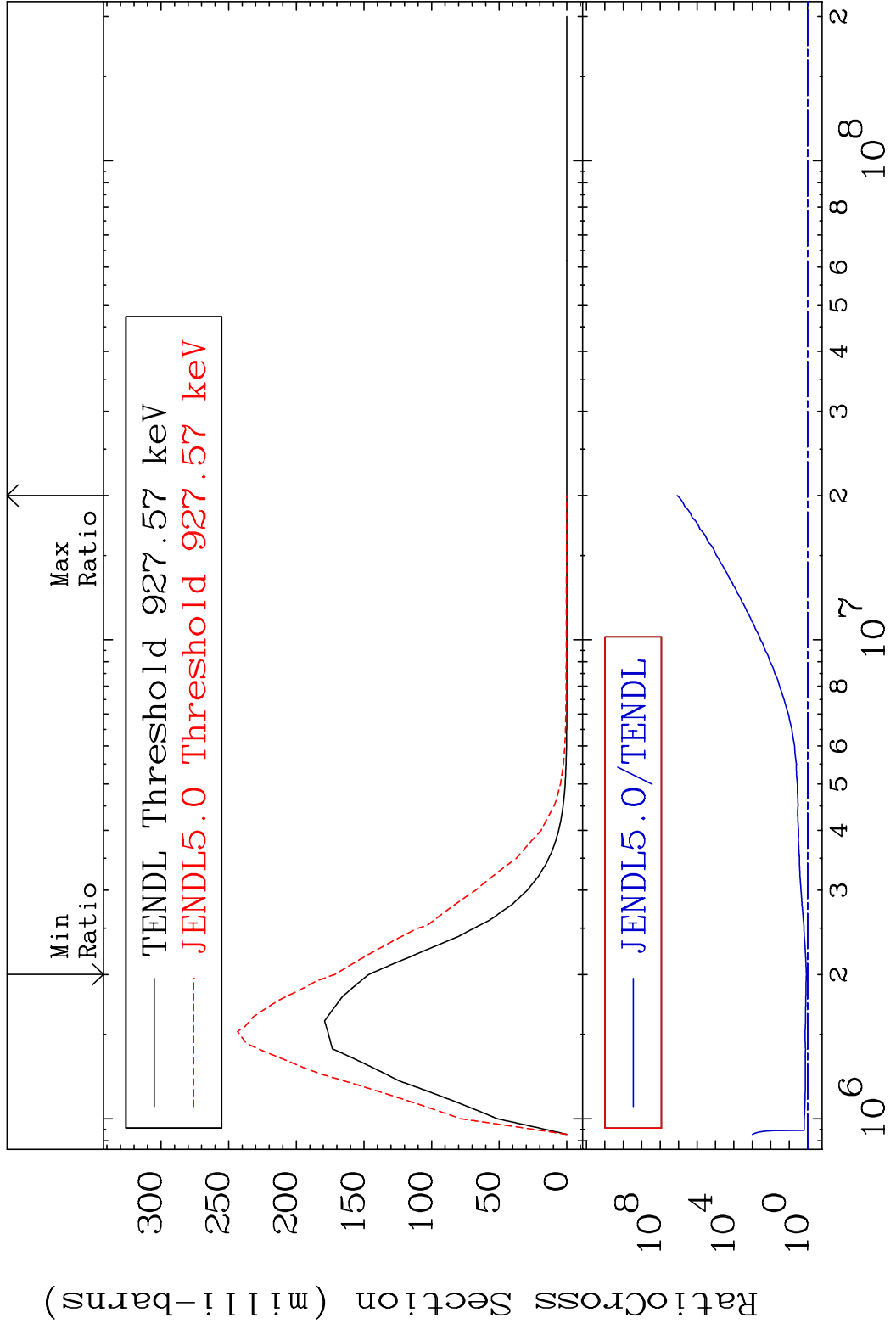


MAT 7837 MT= 53 (n, n') Level 78-Pt-194  
 Cross Section 14.67 To 52.25 %



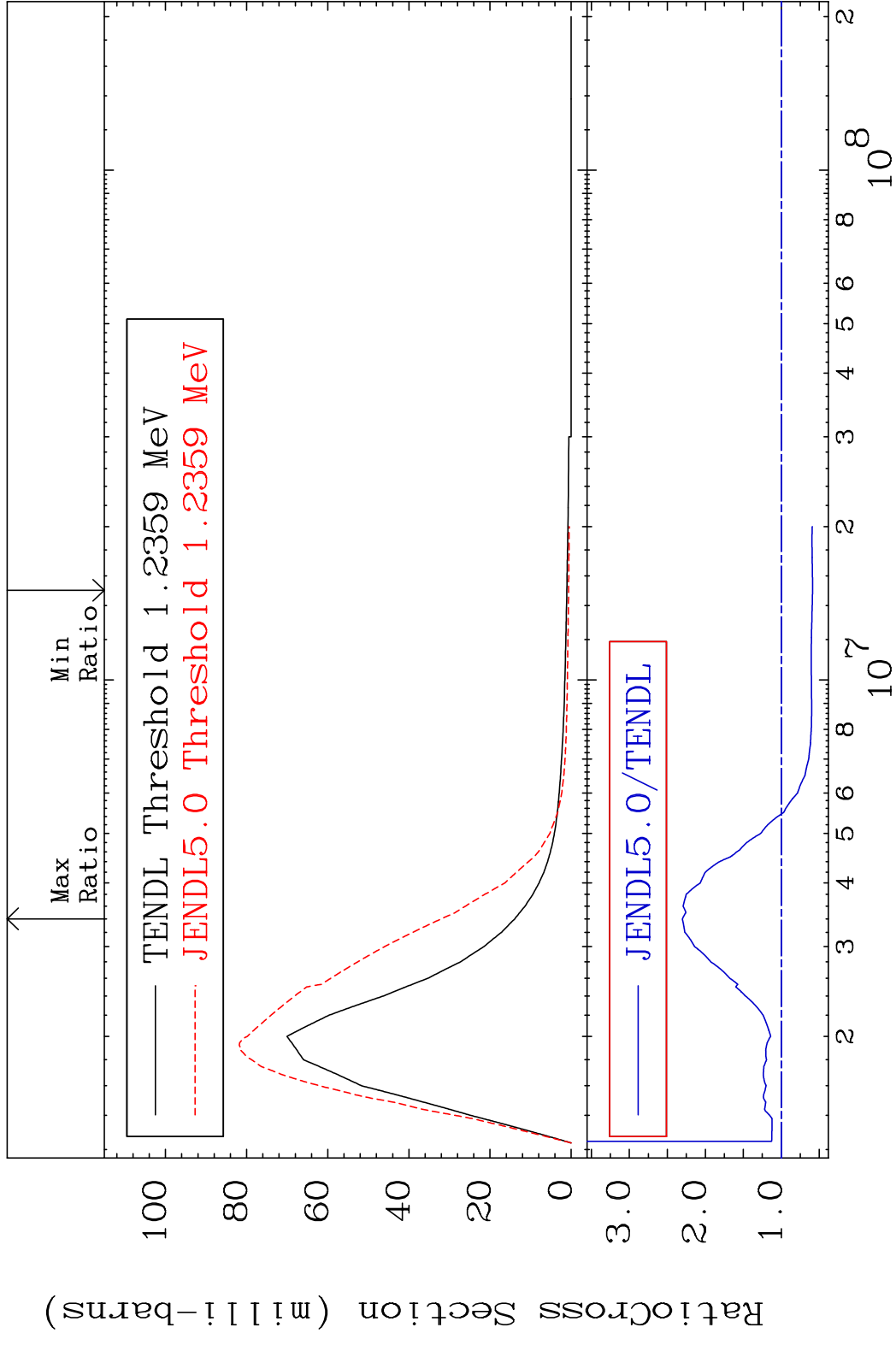
12 Incident Energy (eV) 78-Pt-194

MAT 7837 MT= 54 (n, n') Level 78-Pt-194  
 Cross Section 17.15 To 9999. %

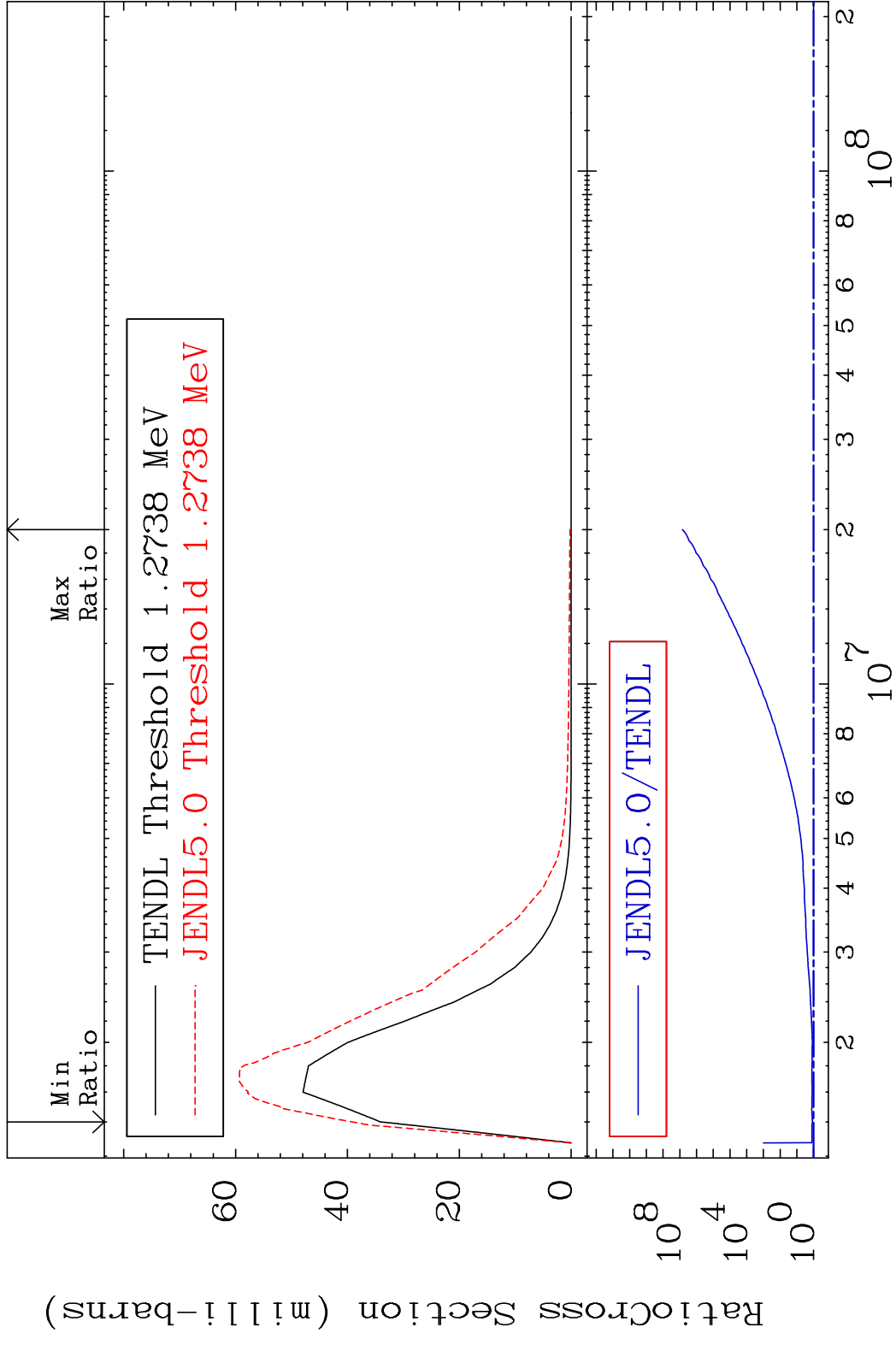


13 Incident Energy (eV) 78-Pt-194

MAT 7837 MT= 55 (n,n') Level 78-Pt-194  
 Cross Section -41.14 To 130.2 %

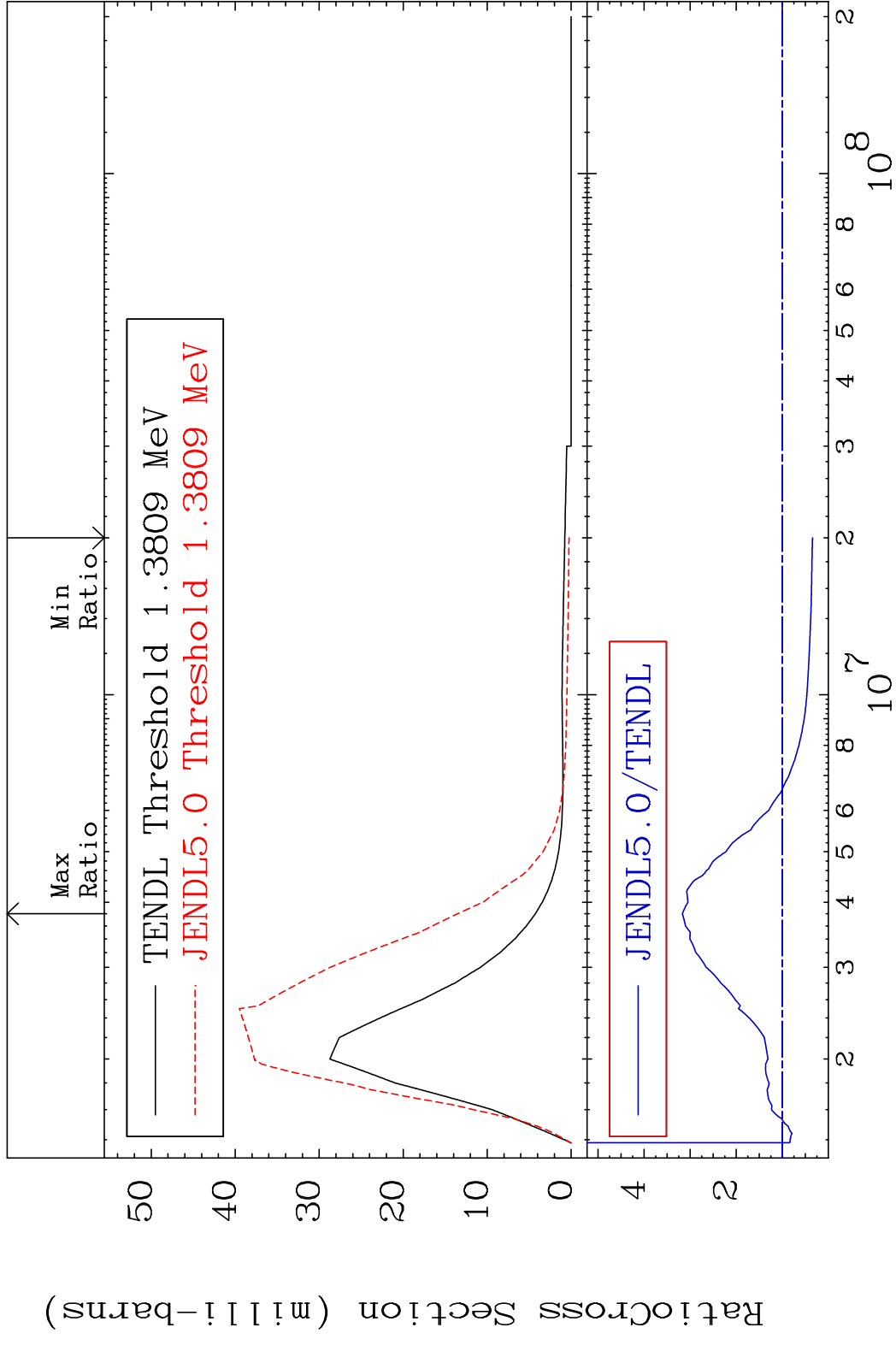


MAT 7837 MT= 56 (n, n') Level 78-Pt-194  
 Cross Section 14.94 To 9999. %

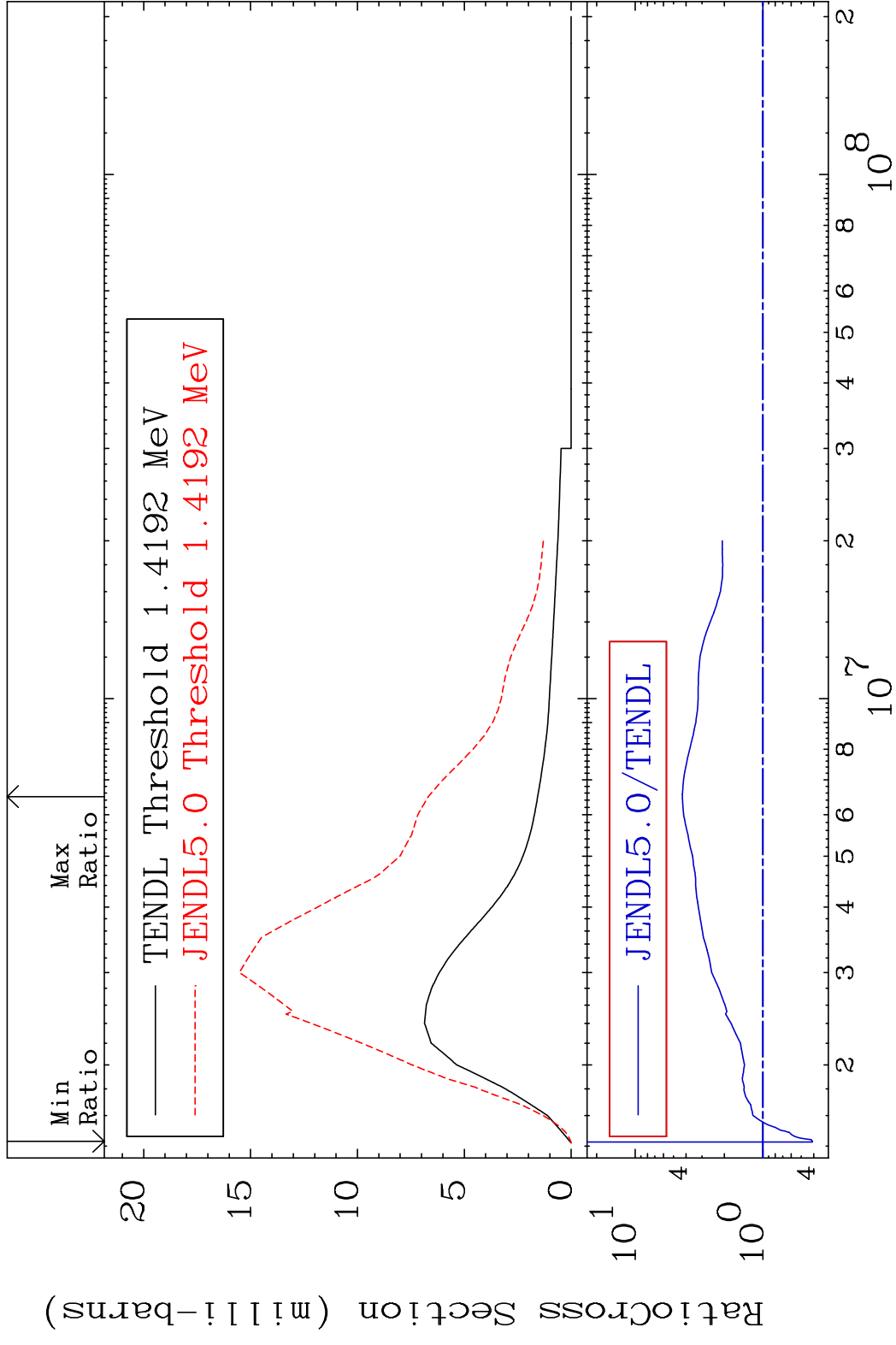




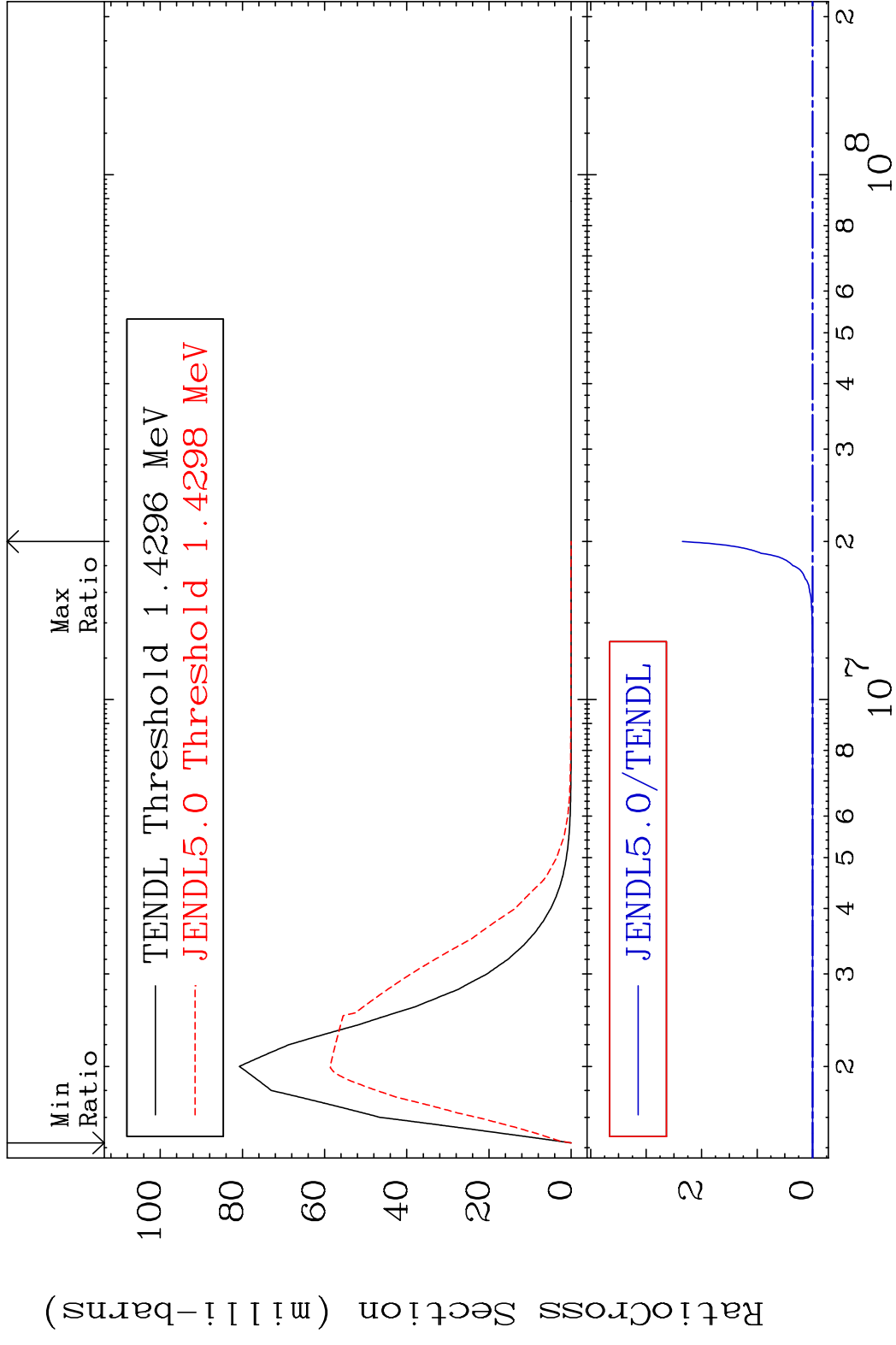
MAT 7837 MT= 57 (n, n') Level 78-Pt-194  
 Cross Section -65.49 To 217.1 %



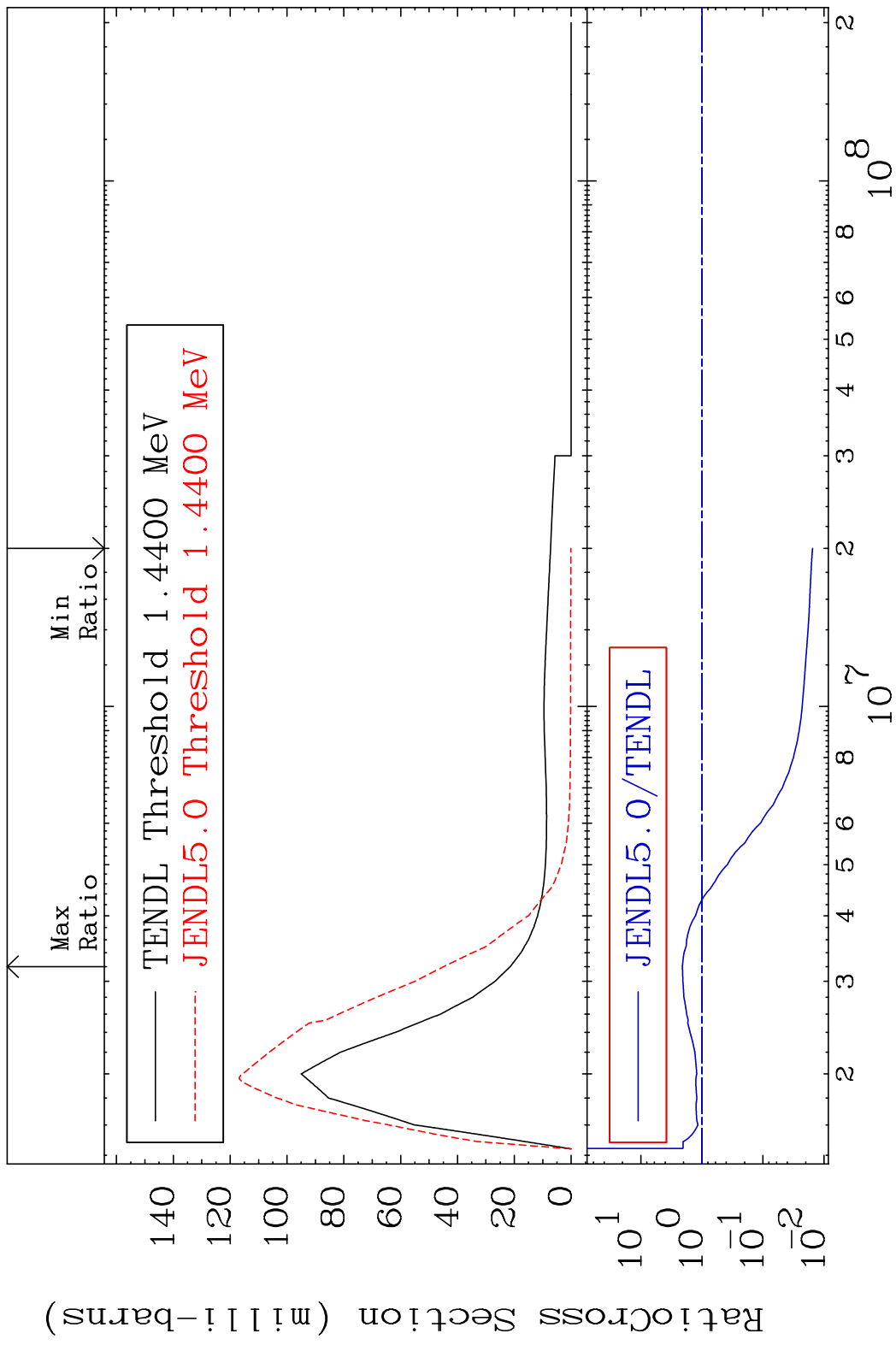
MAT 7837 MT= 58 (n,n') Level 78-Pt-194  
 Cross Section -59.19 To 326.7 %



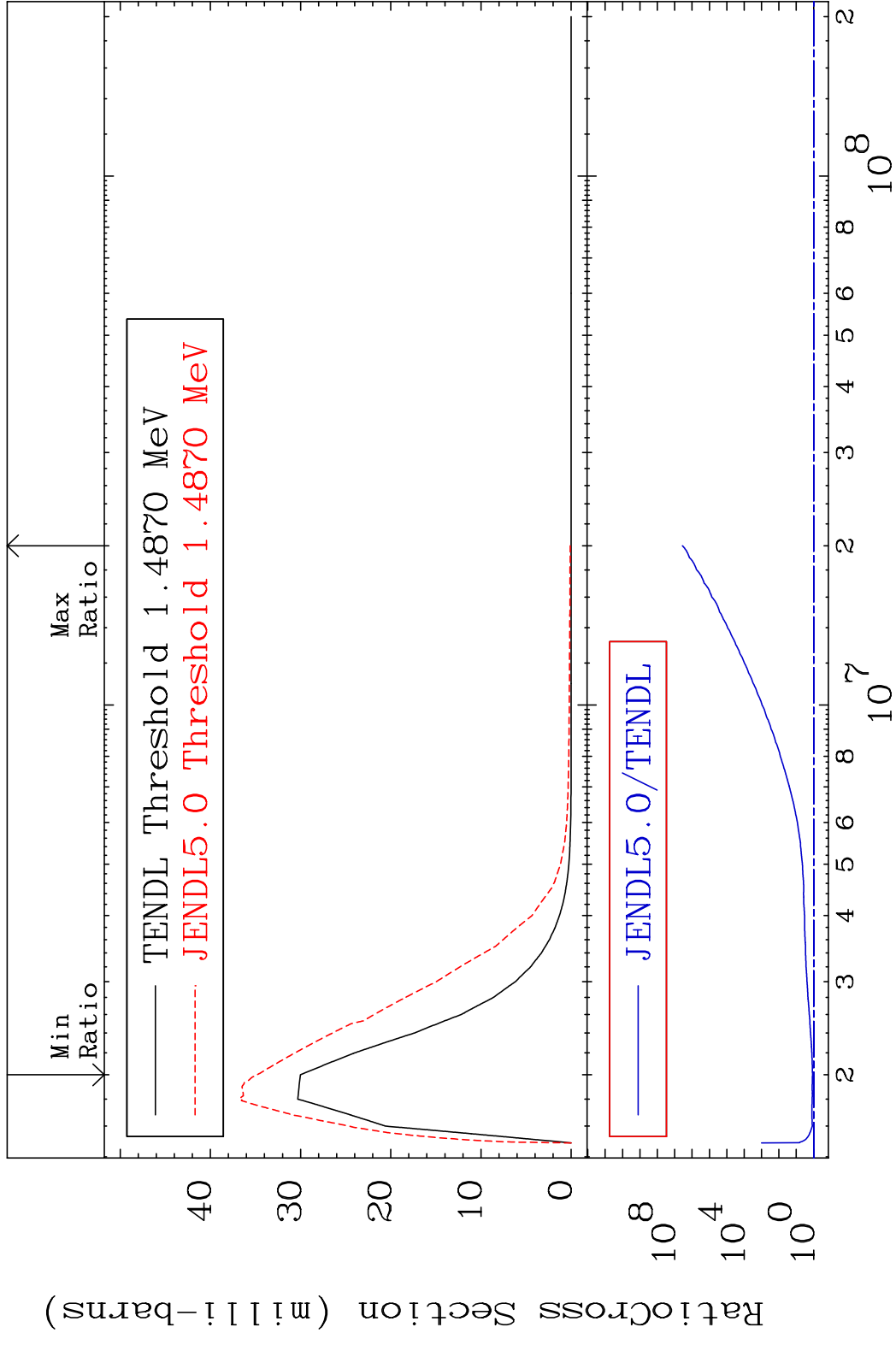
MAT 7837 MT= 59 (n, n') Level 78-Pt-194  
 Cross Section -100.0 To 9999. %



MAT 7837 MT= 60 (n, n') Level 78-Pt-194  
 Cross Section -98.46 To 109.3 %



MAT 7837 MT= 61 (n, n') Level 78-Pt-194  
 Cross Section 15.93 To 9999. %



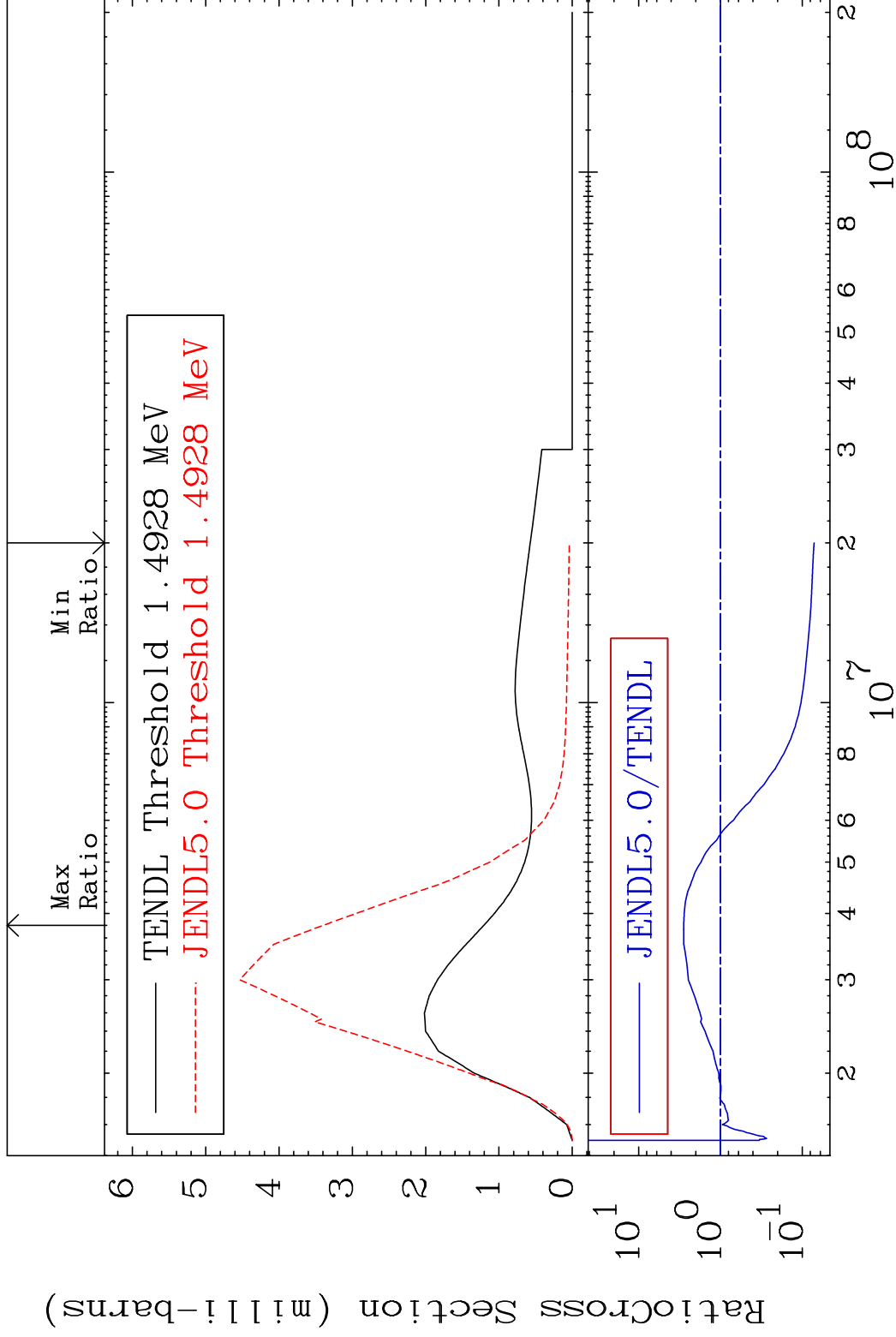
20 Incident Energy (eV) 78-Pt-194

MAT 7837

MT= 62 (n,n') Level

78-Pt-194

Cross Section -92.83 To 181.8 %

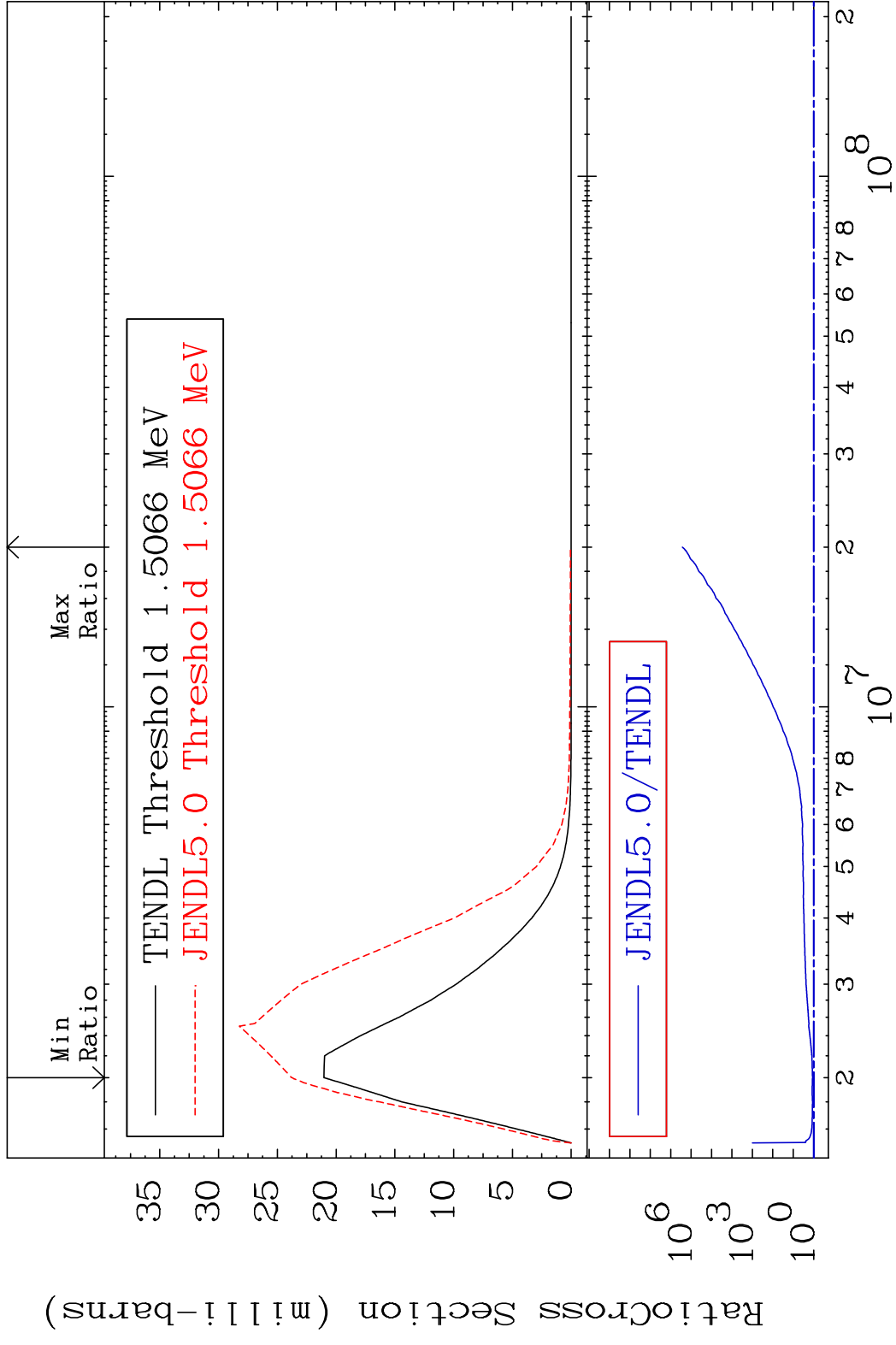


21

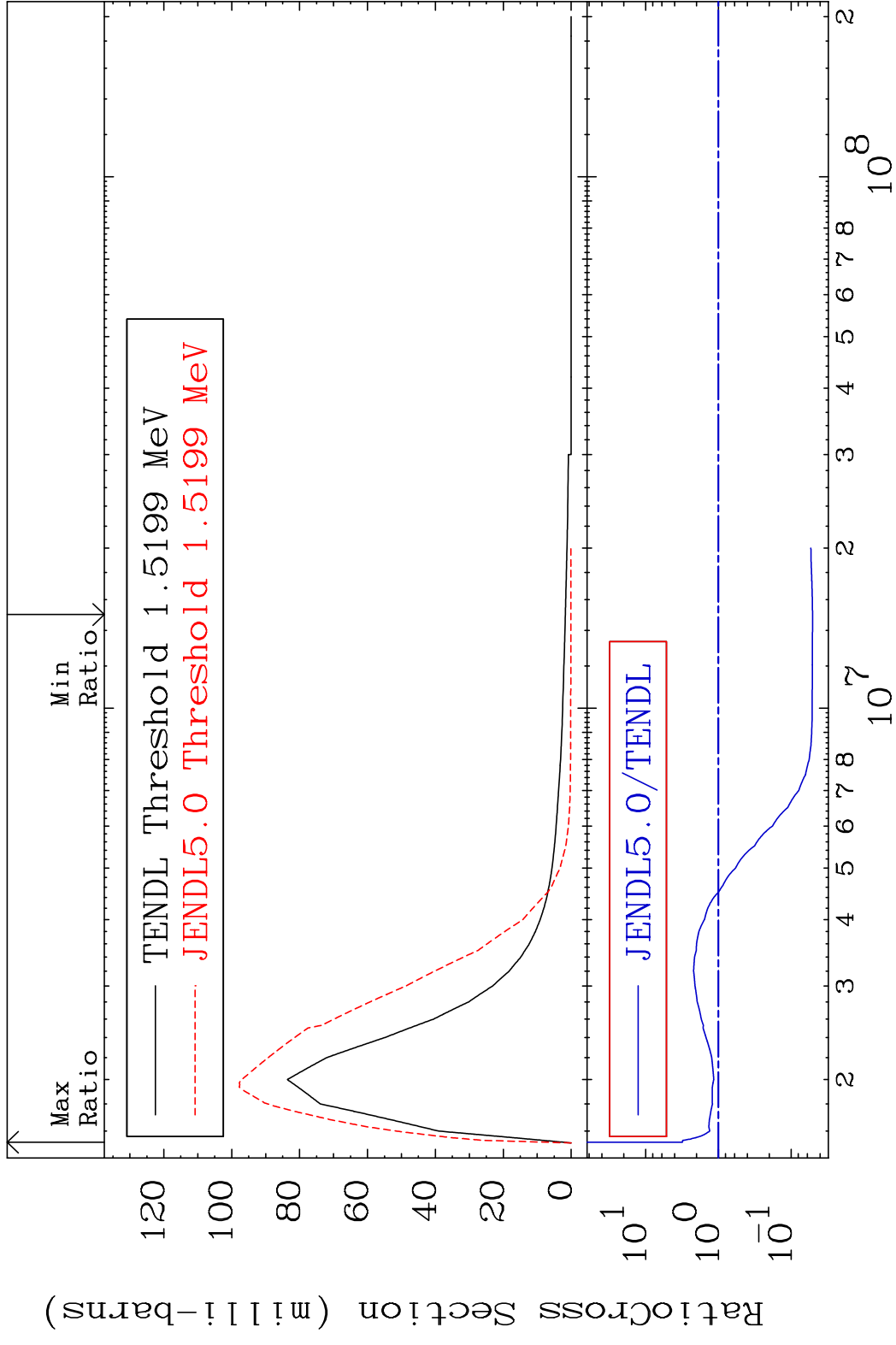
Incident Energy (eV)

78-Pt-194

MAT 7837 MT= 63 (n, n') Level 78-Pt-194  
 Cross Section 12.91 To 9999. %

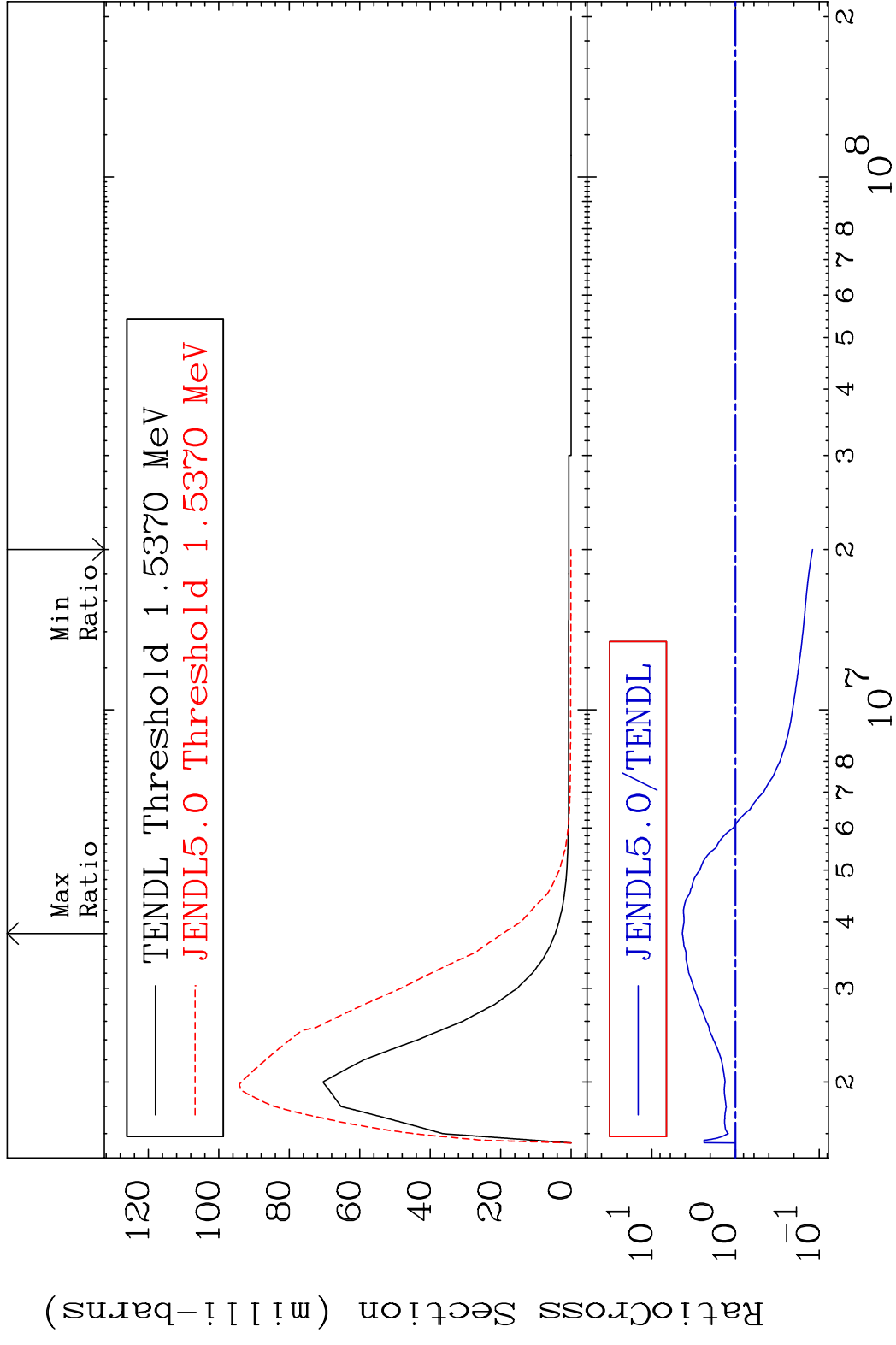


MAT 7837 MT= 64 (n, n') Level 78-Pt-194  
 Cross Section -94.90 To 213.7 %

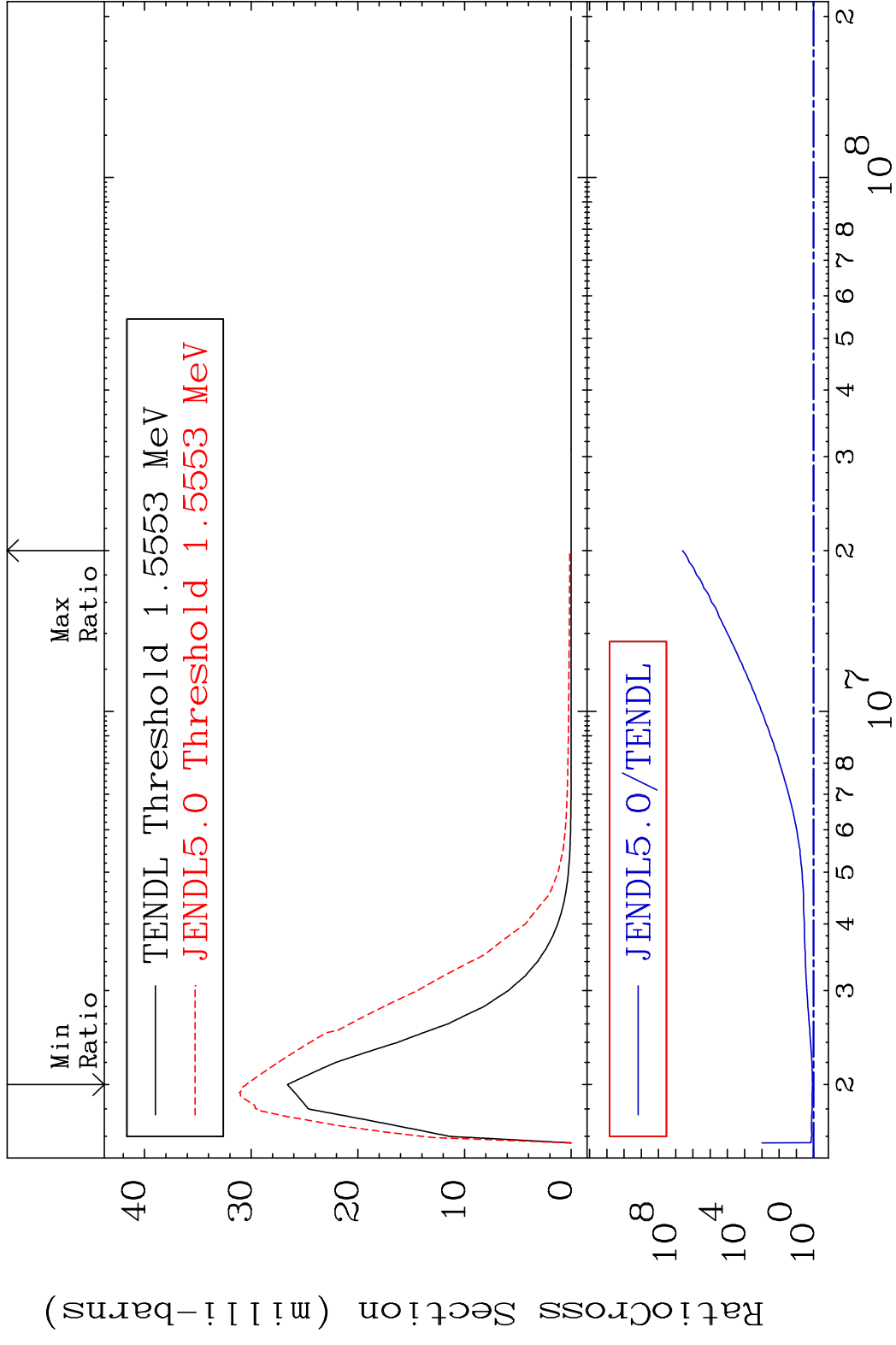




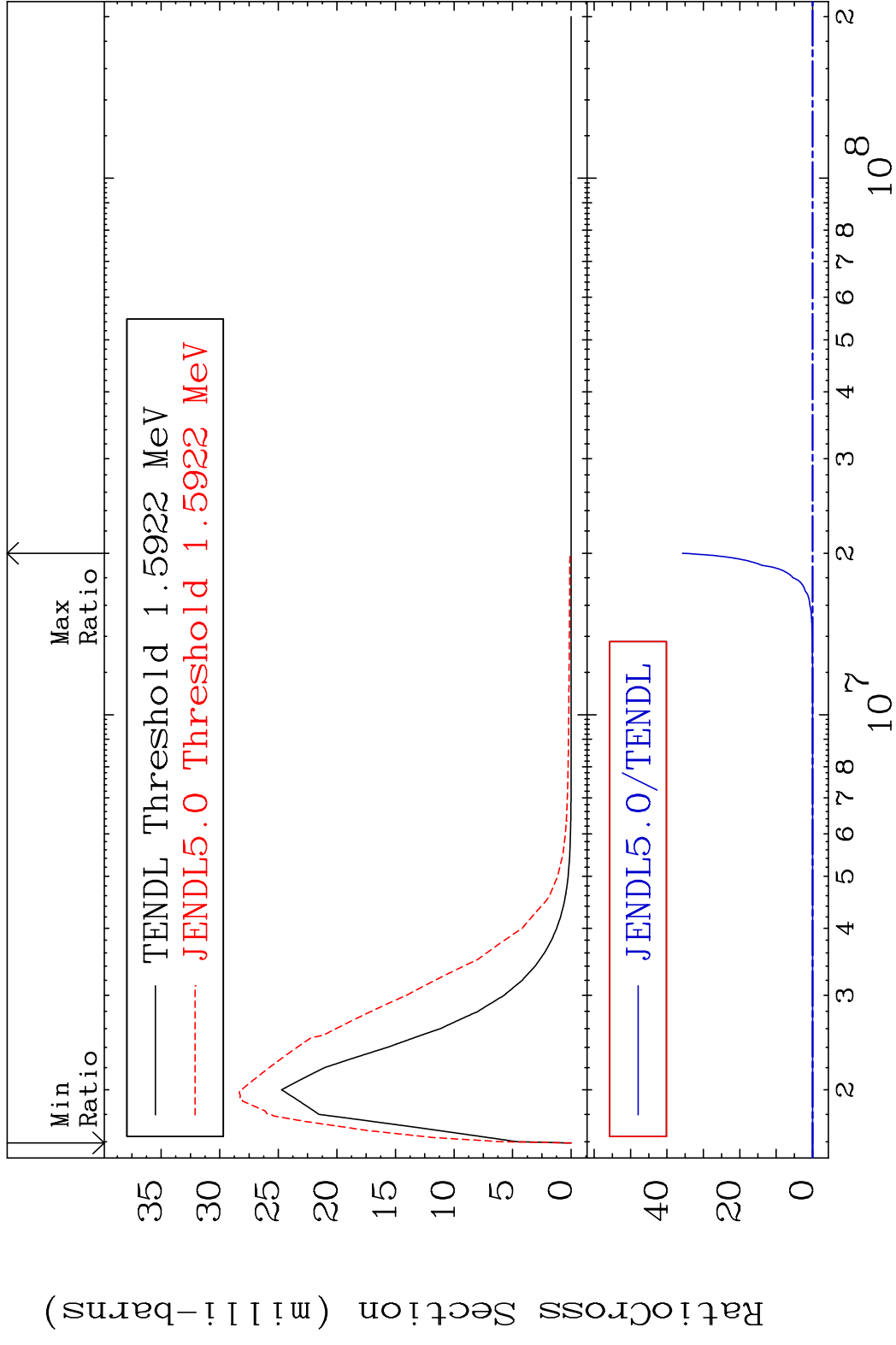
MAT 7837 MT= 65 (n,n') Level 78-Pt-194  
 Cross Section -88.02 To 331.6 %



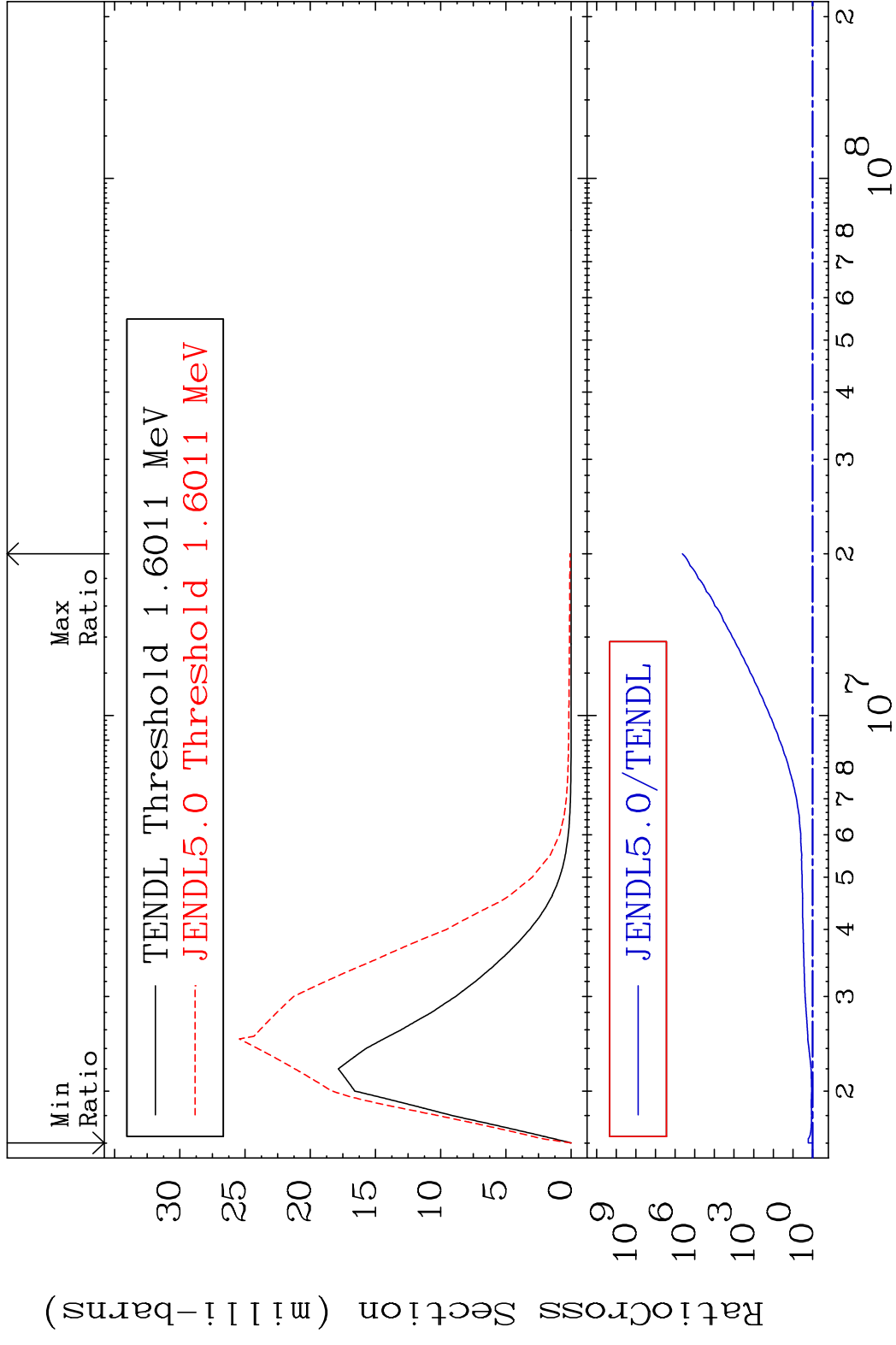
MAT 7837 MT= 66 (n, n') Level 78-Pt-194  
 Cross Section 14.53 To 9999. %



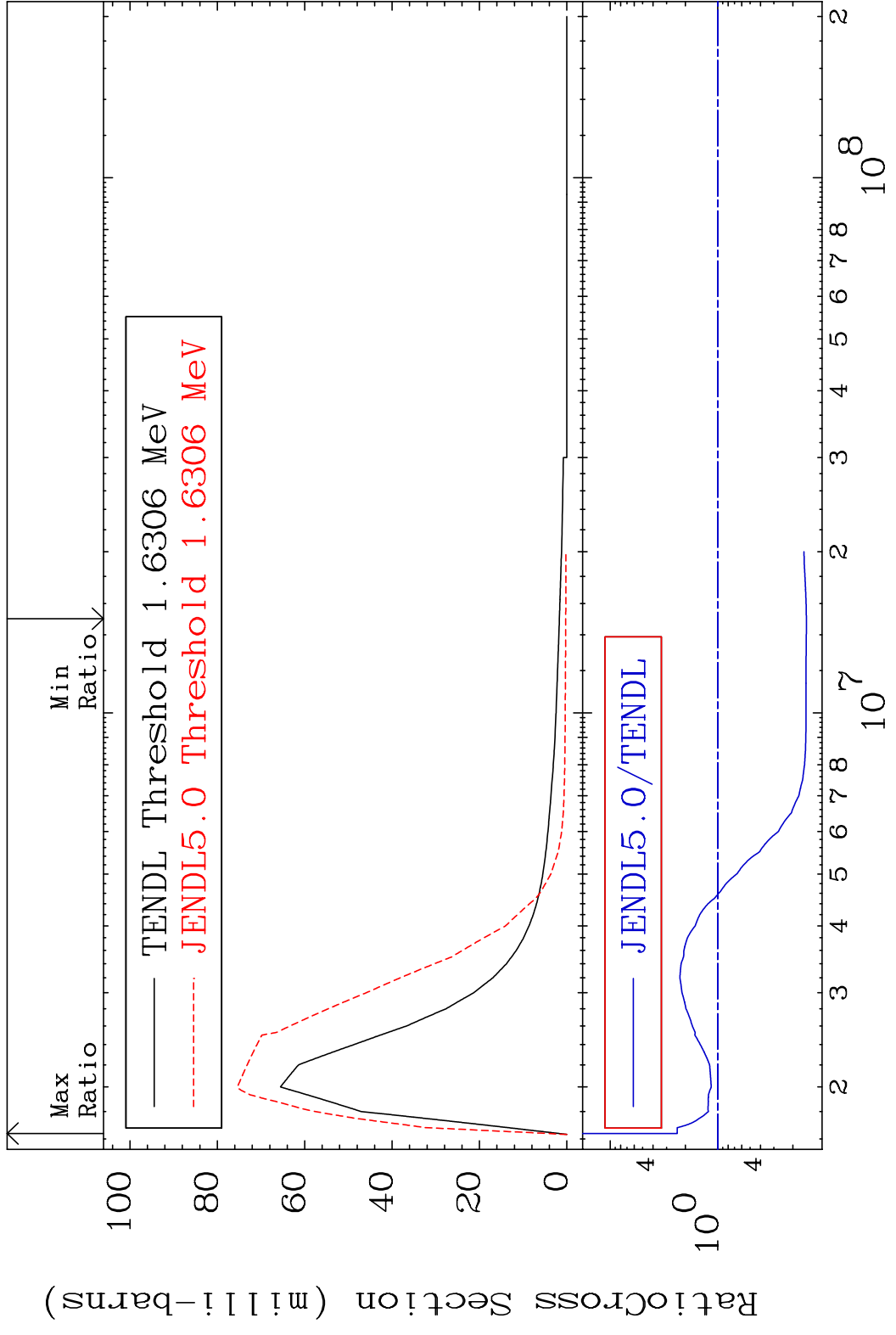
MAT 7837 MT= 67 (n, n') Level 78-Pt-194  
 Cross Section -100.0 To 9999. %



MAT 7837 MT= 68 (n, n') Level 78-Pt-194  
 Cross Section 0.000 To 9999. %



MAT 7837 MT= 69 (n, n') Level 78-Pt-194  
 Cross Section -85.03 To 138.7 %

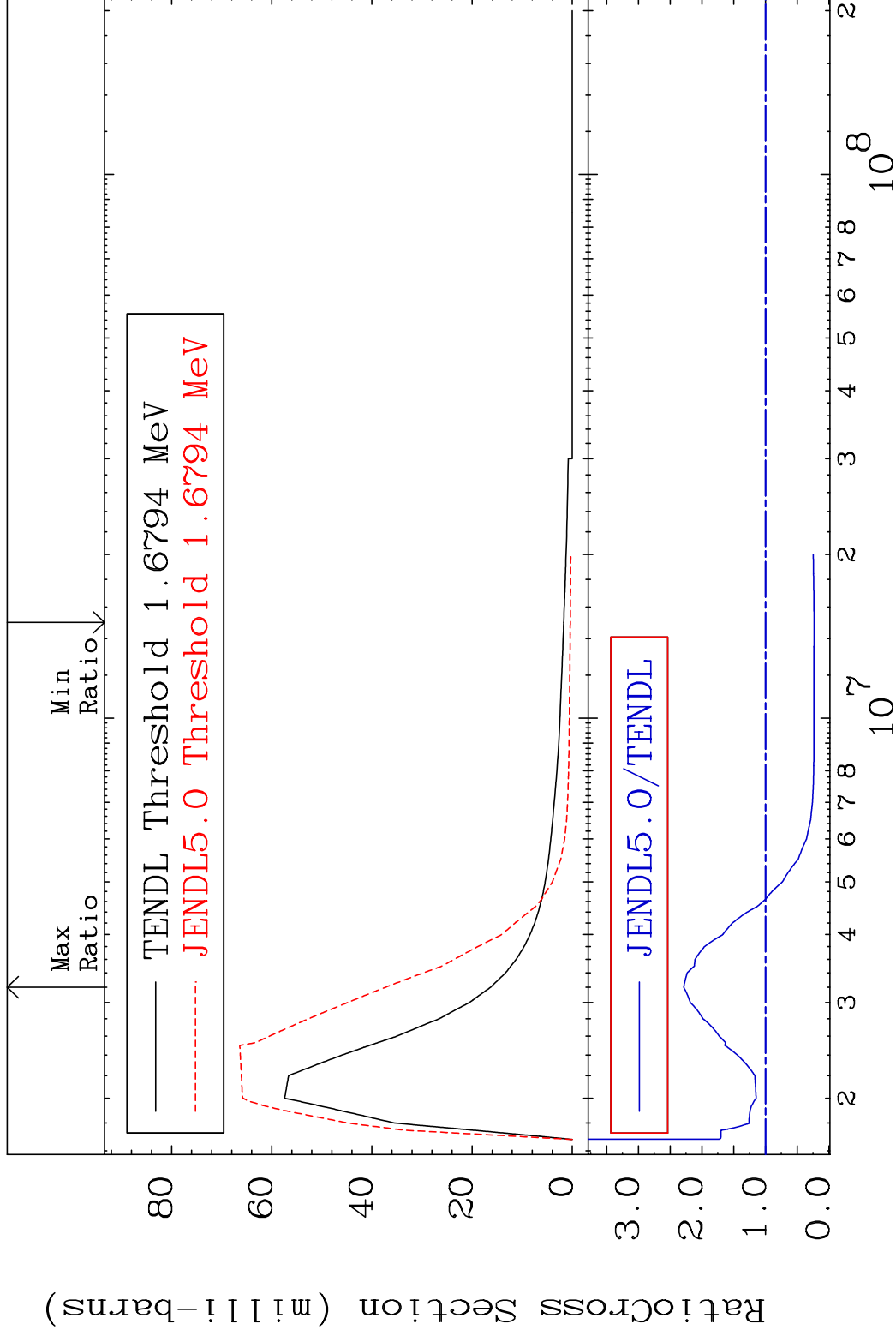


MAT 7837

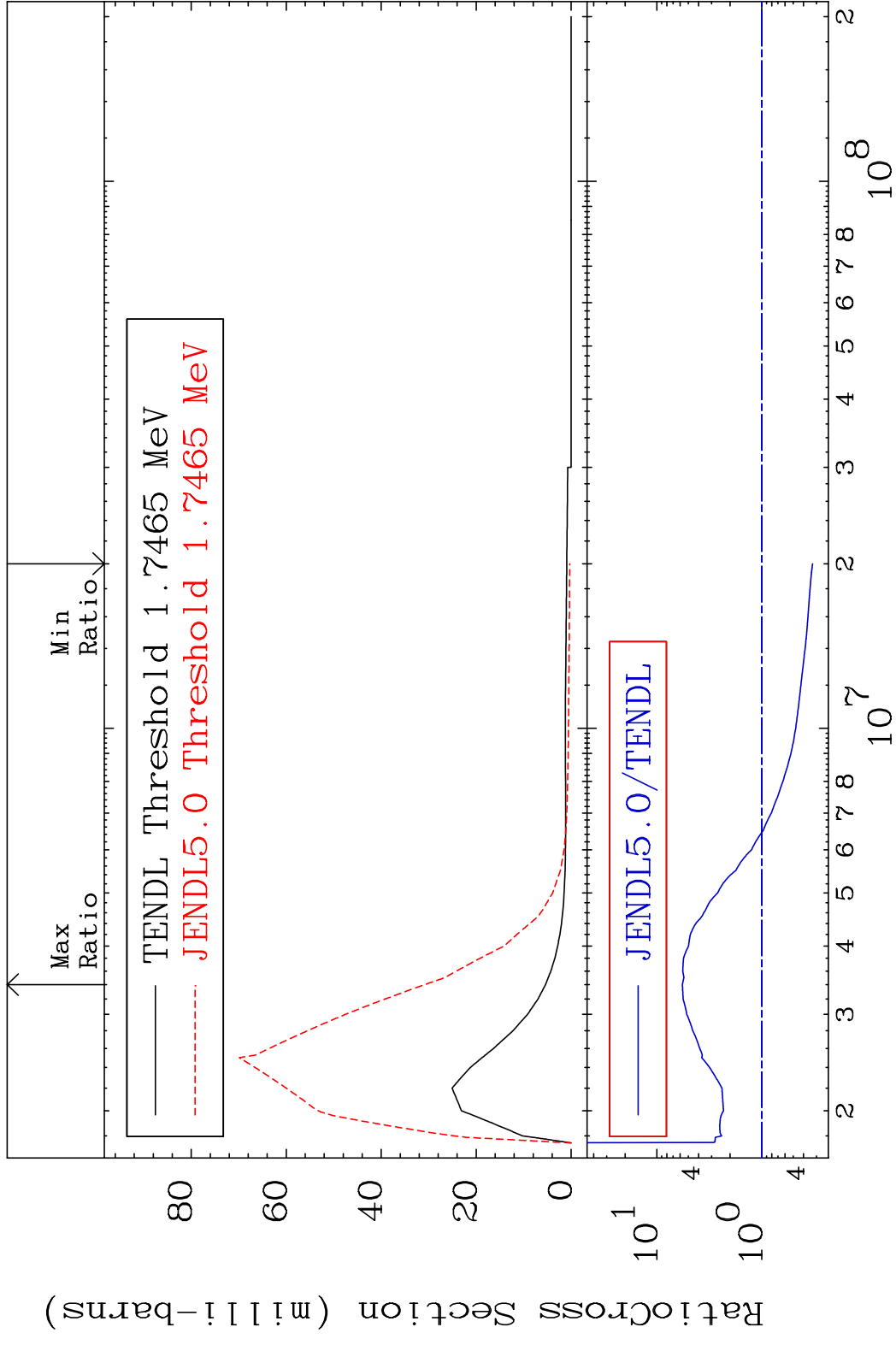
MT= 70 (n, n') Level

78-Pt-194

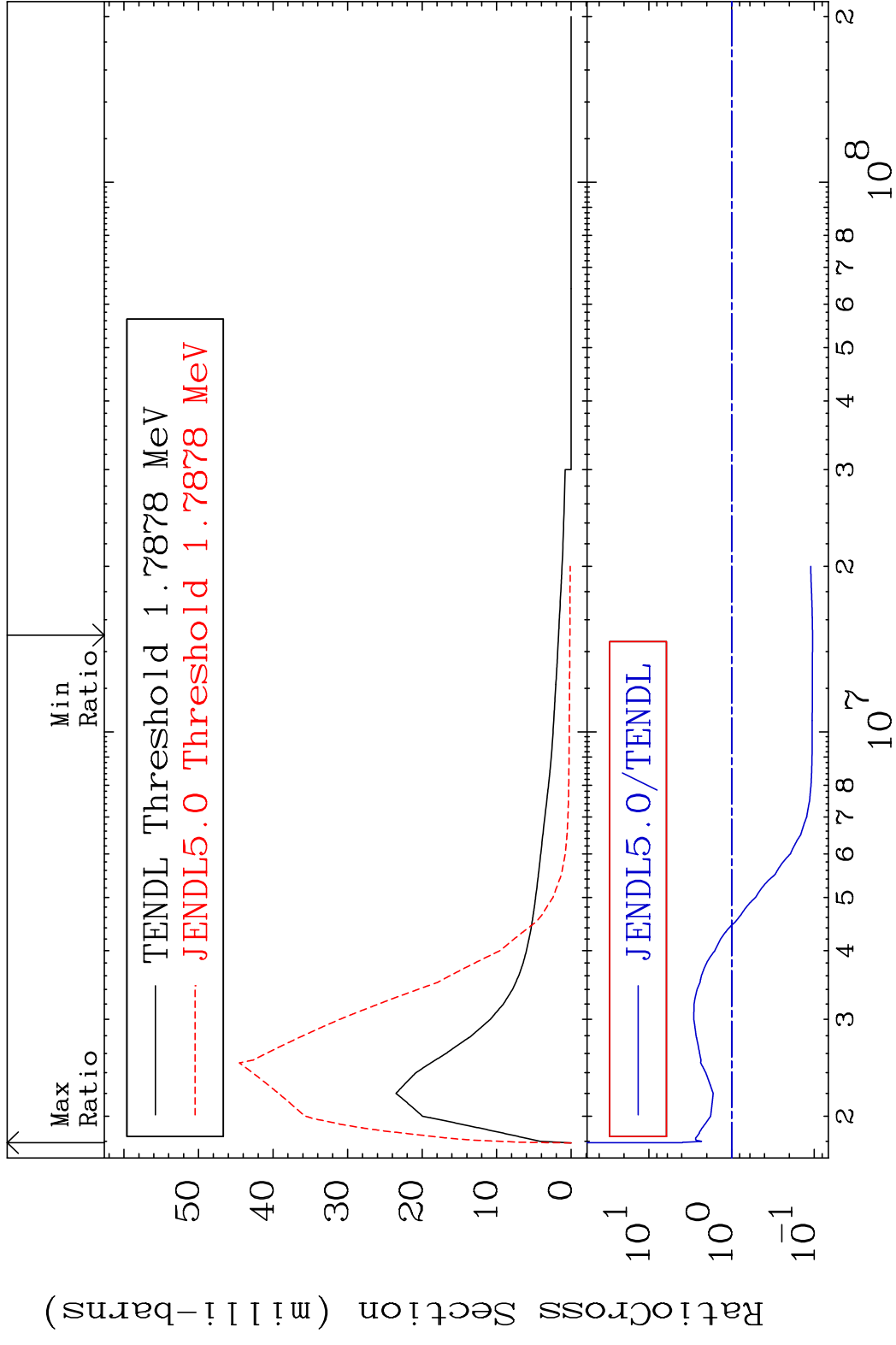
Cross Section -76.62 To 128.7 %



MAT 7837 MT= 71 (n,n') Level 78-Pt-194  
 Cross Section -67.31 To 470.4 %

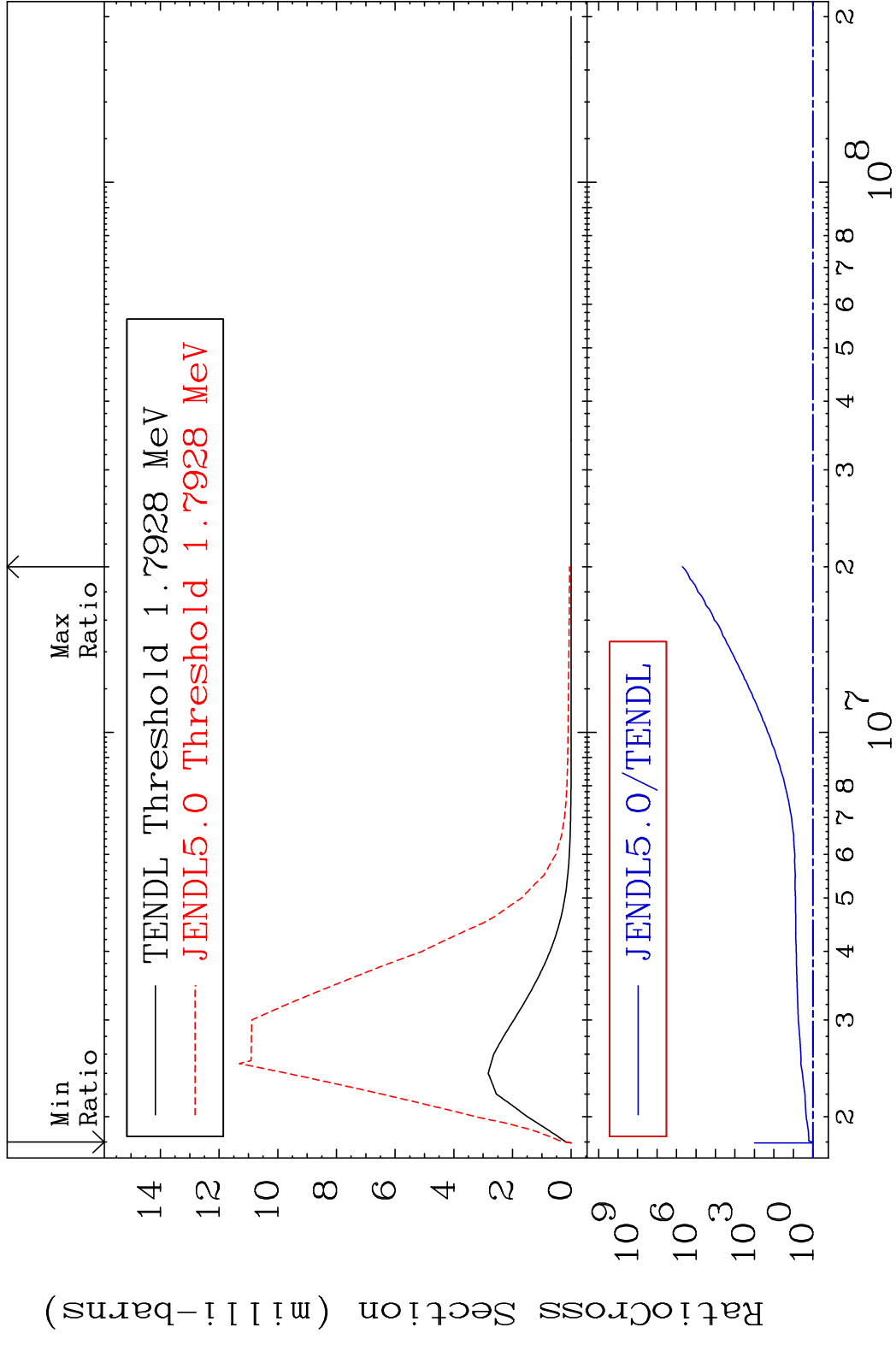


MAT 7837 MT= 72 (n, n') Level 78-Pt-194  
 Cross Section -89.52 To 293.8 %

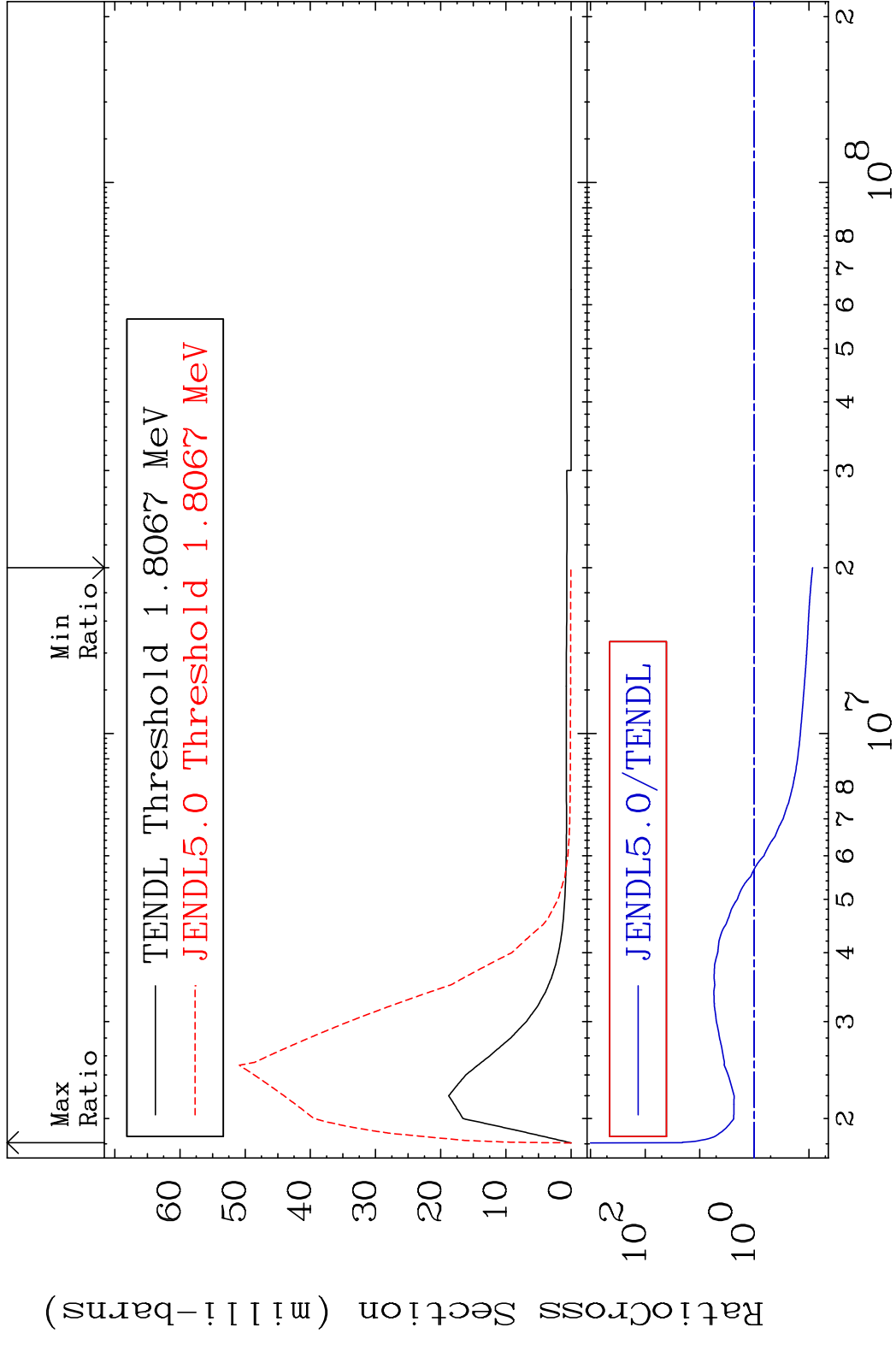




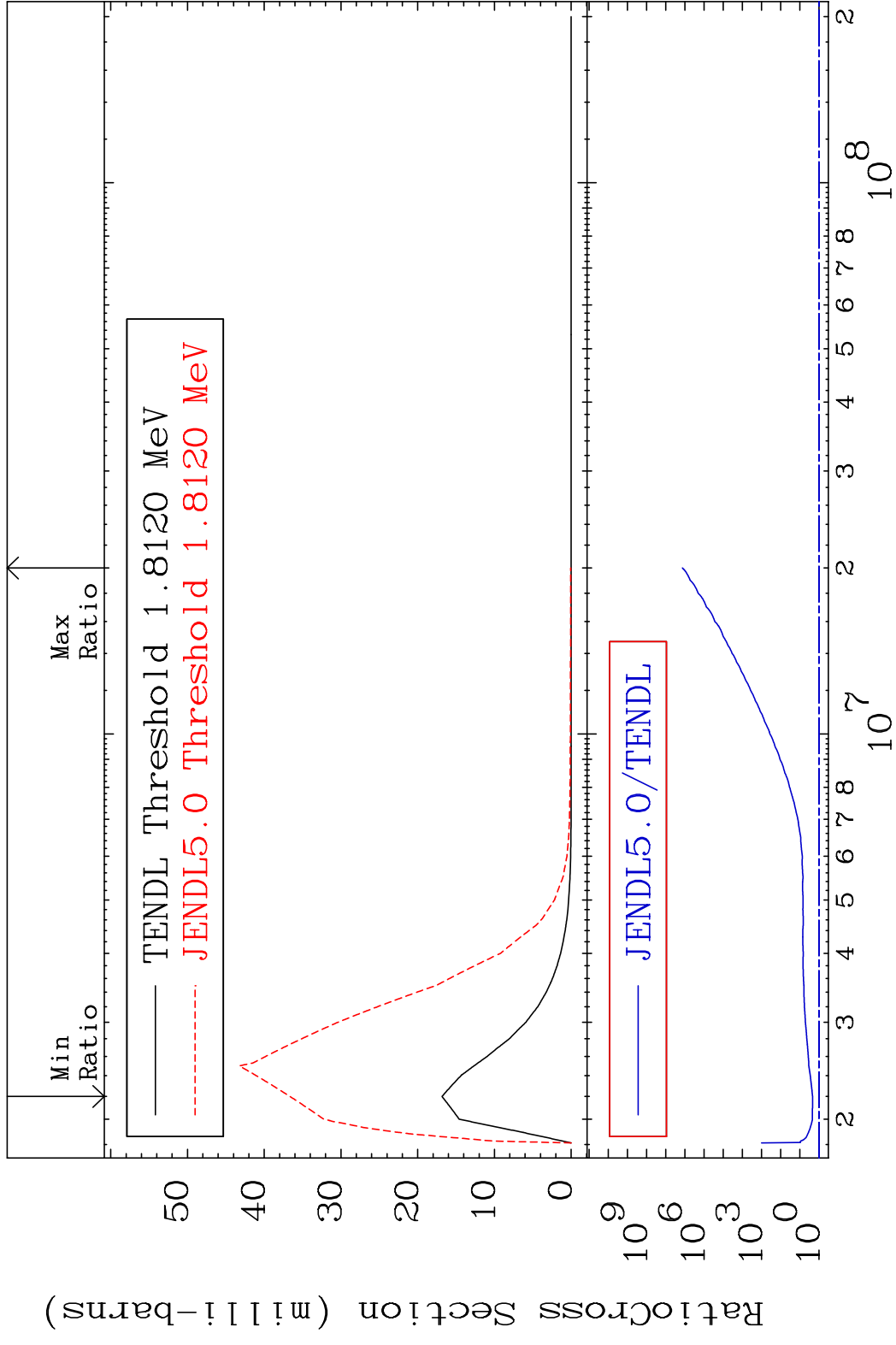
MAT 7837 MT= 73 (n, n') Level 78-Pt-194  
 Cross Section 3.071 To 9999. %



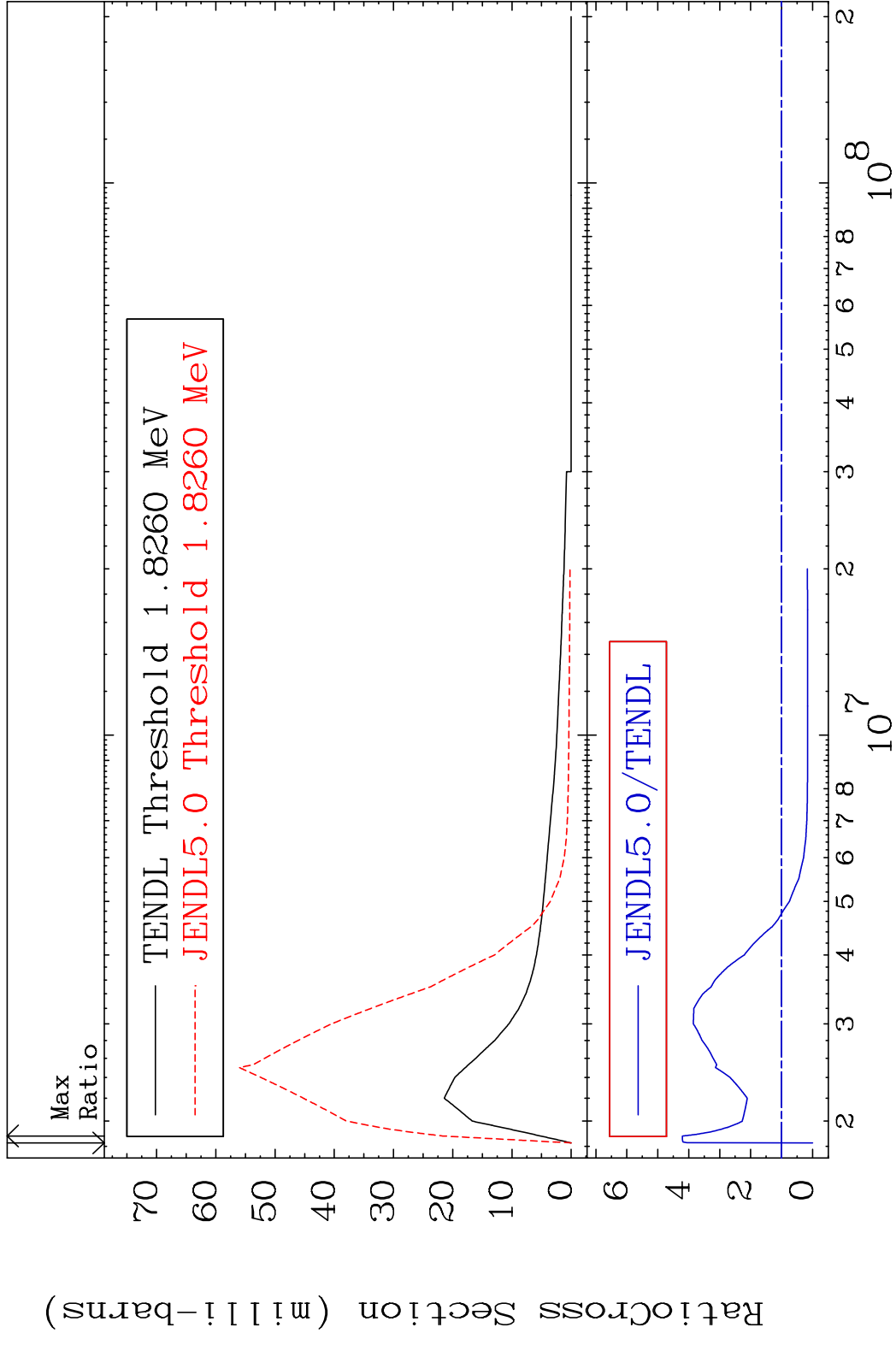
MAT 7837 MT= 74 (n,n') Level 78-Pt-194  
 Cross Section -91.45 To 1980. %



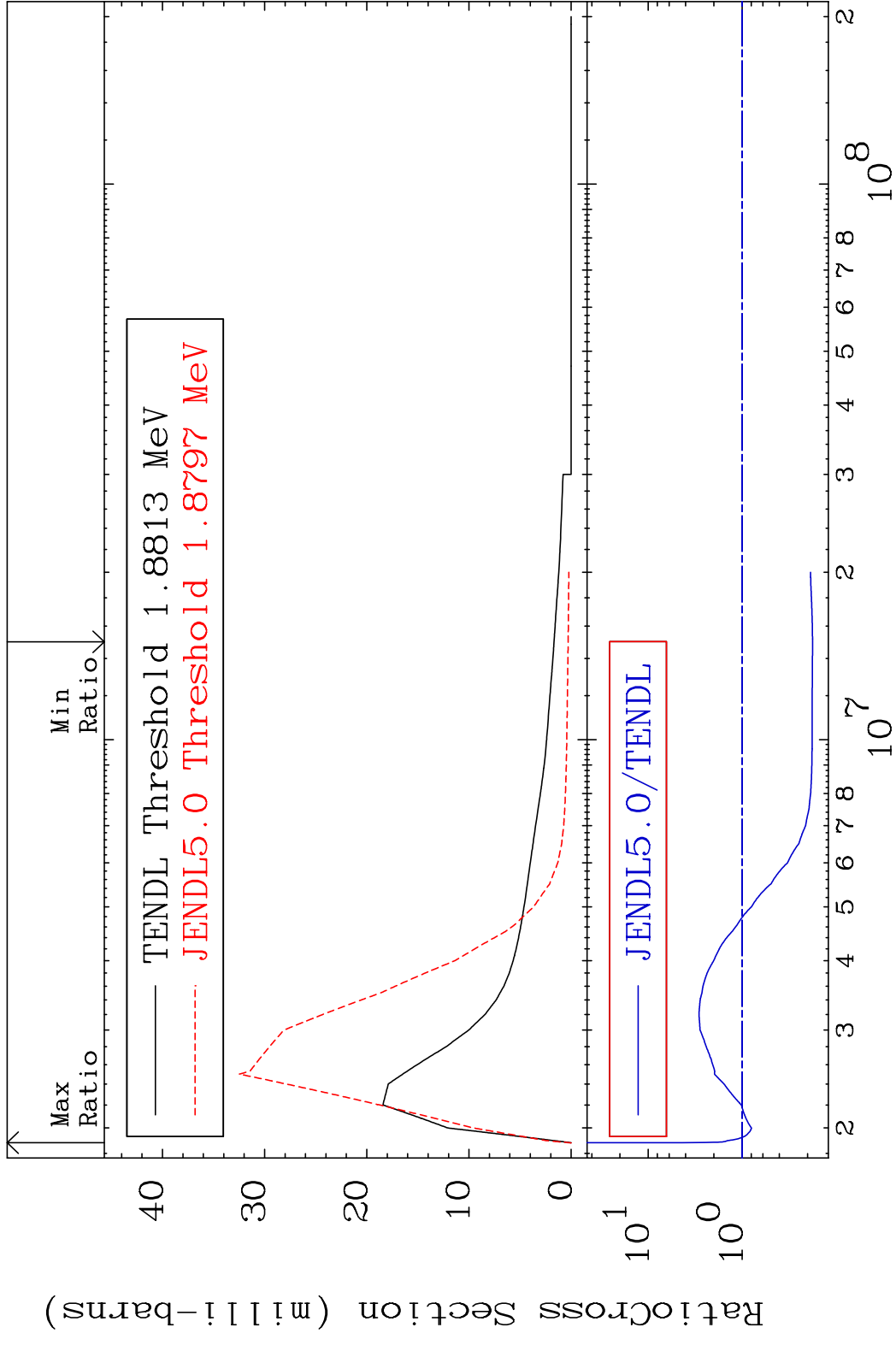
MAT 7837 MT= 75 (n, n') Level 78-Pt-194  
 Cross Section 117.7 To 9999. %



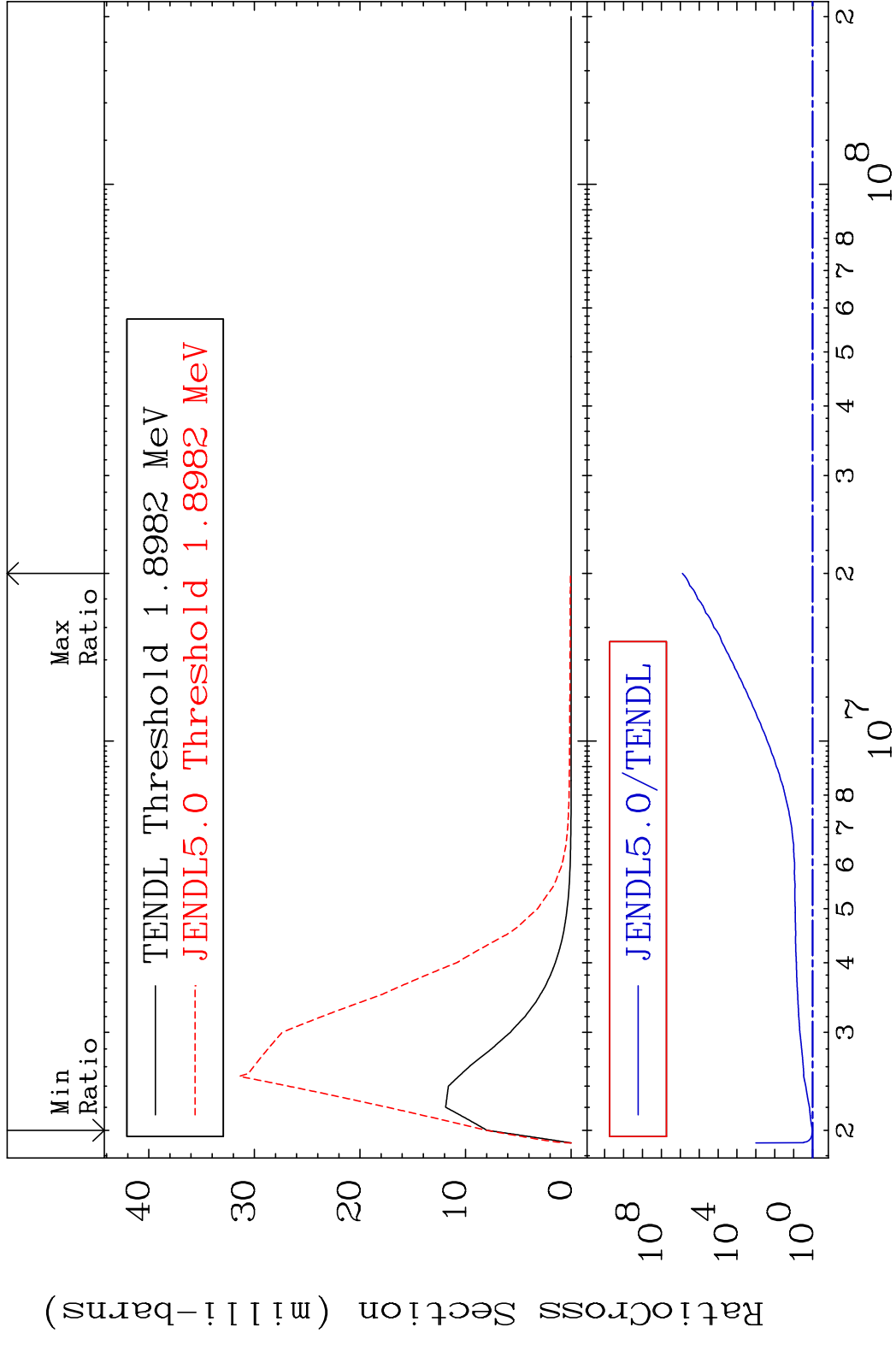
MAT 7837 MT= 76 (n, n') Level 78-Pt-194  
 Cross Section -100.0 To 320.6 %



MAT 7837 MT= 77 (n, n') Level 78-Pt-194  
 Cross Section -82.26 To 333.1 %



MAT 7837 MT= 78 (n, n') Level 78-Pt-194  
 Cross Section 0.582 To 9999. %

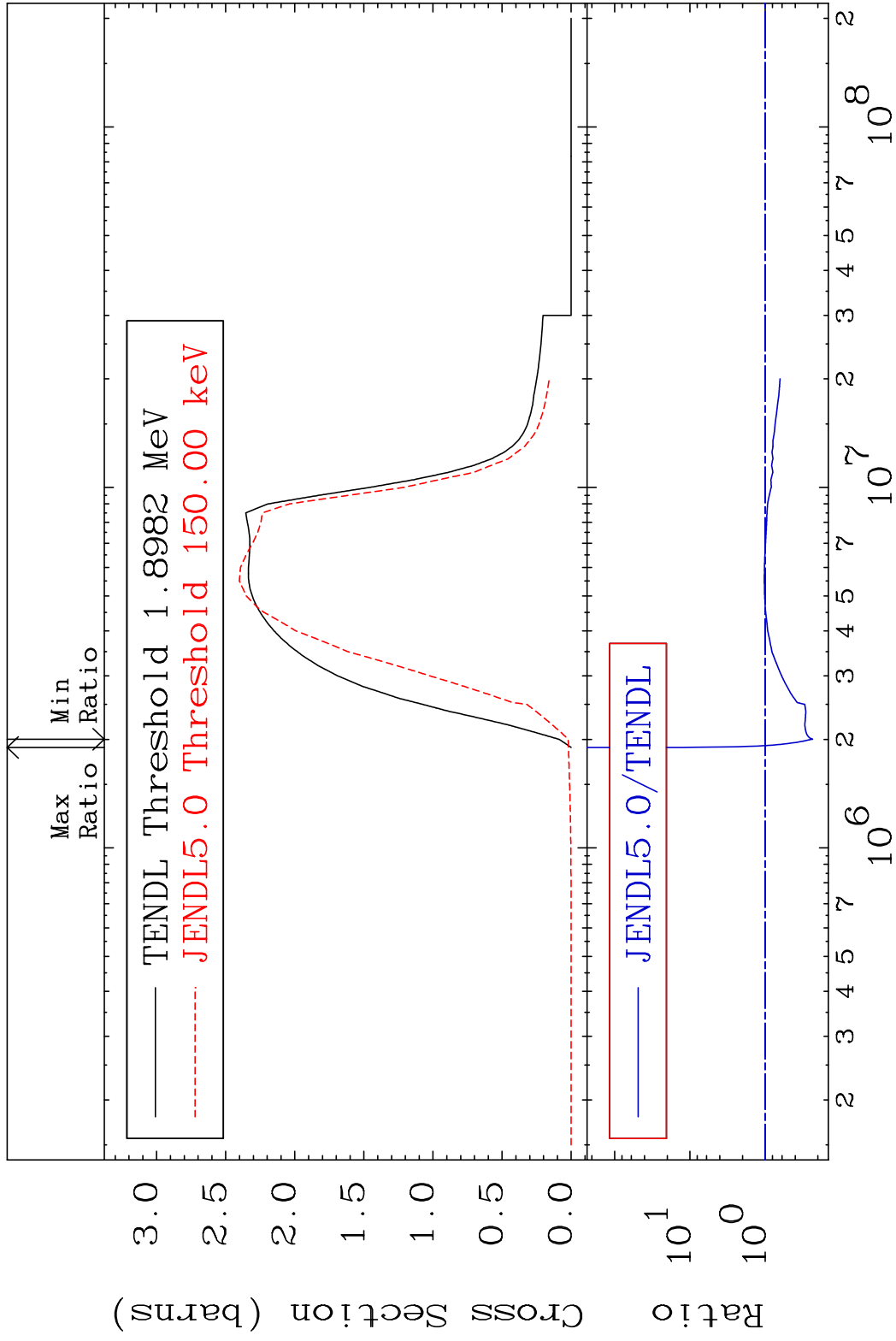


MAT 7837

(n, n') Continuum

78-Pt-194

Cross Section -76.47 To 1160. %

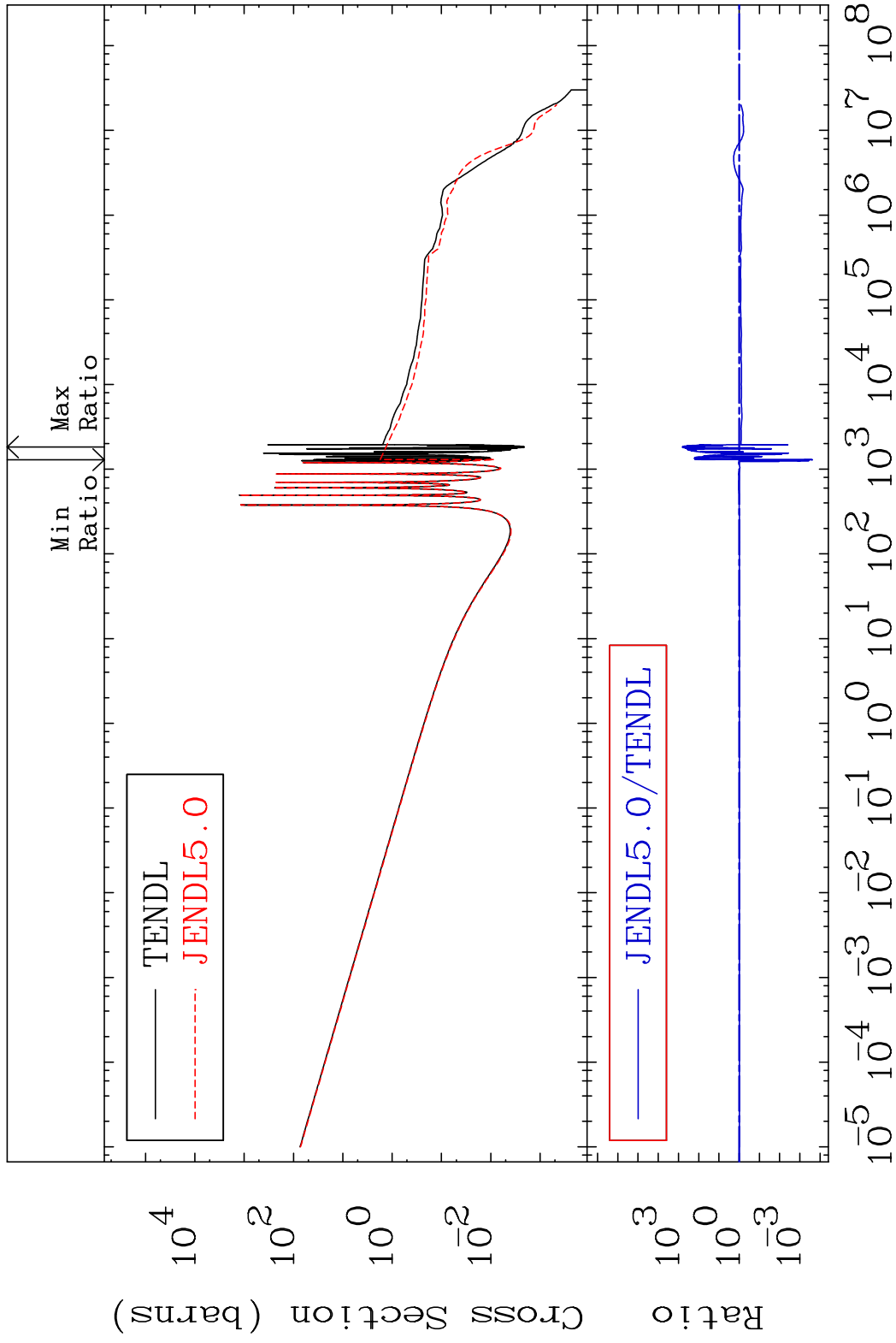


MAT 7837

(n,  $\gamma$ )

78-Pt-194

Cross Section -99.98 To 9999. %



39

Incident Energy (eV)

78-Pt-194

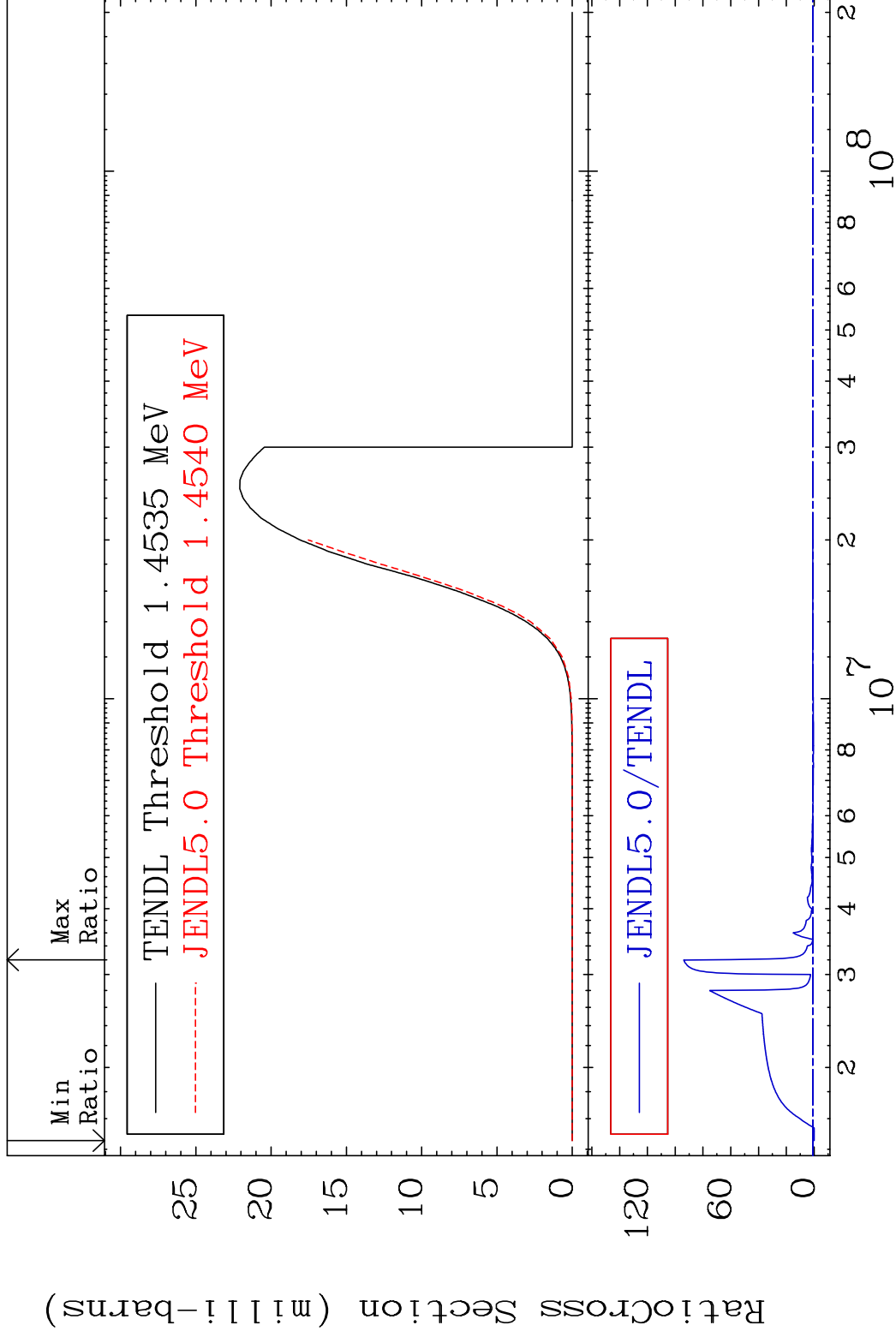


MAT 7837

(n,p)

78-Pt-194

Cross Section -100.0 To 9290. %



40

Incident Energy (eV)

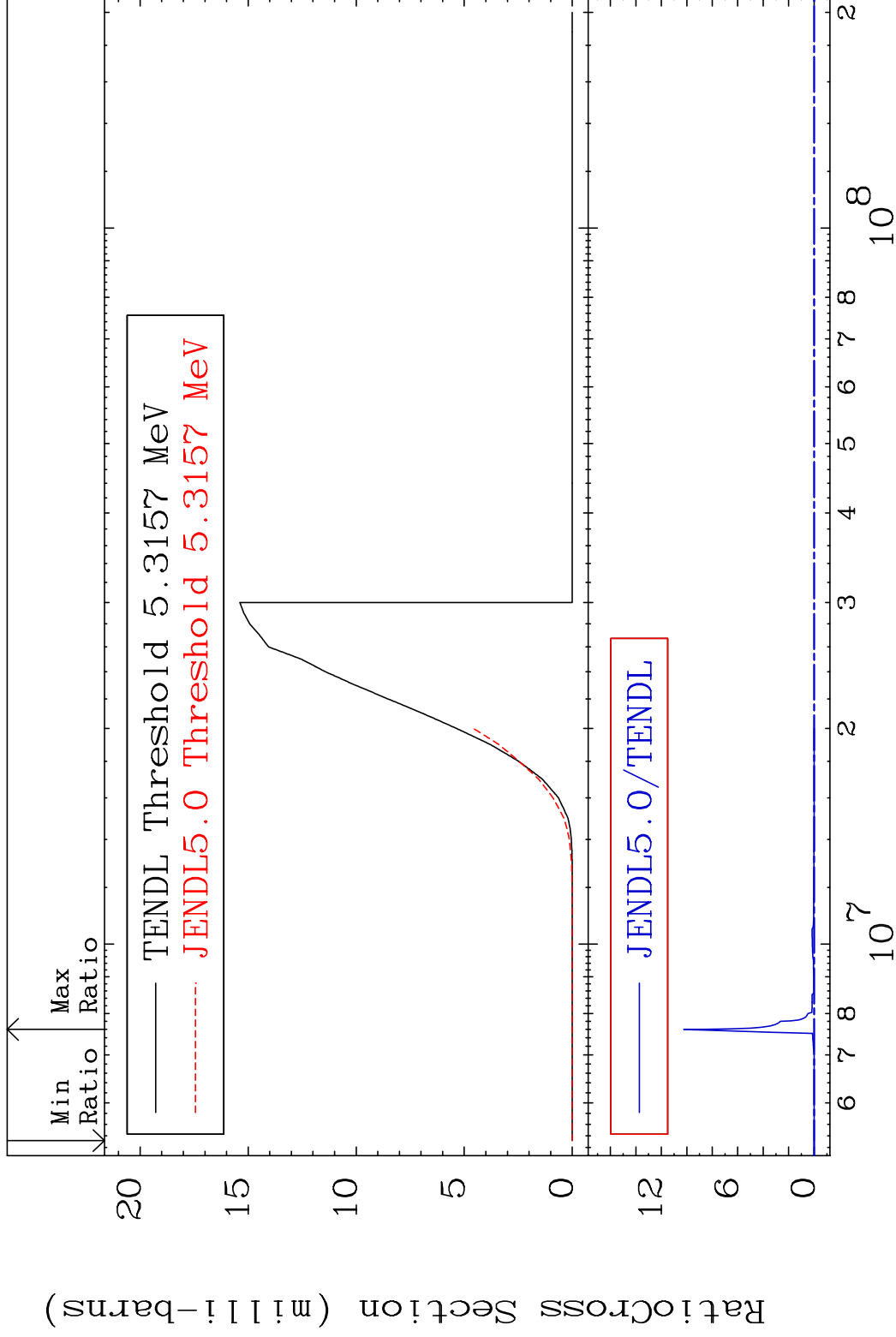
78-Pt-194

MAT 7837

(n,d)

78-Pt-194

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

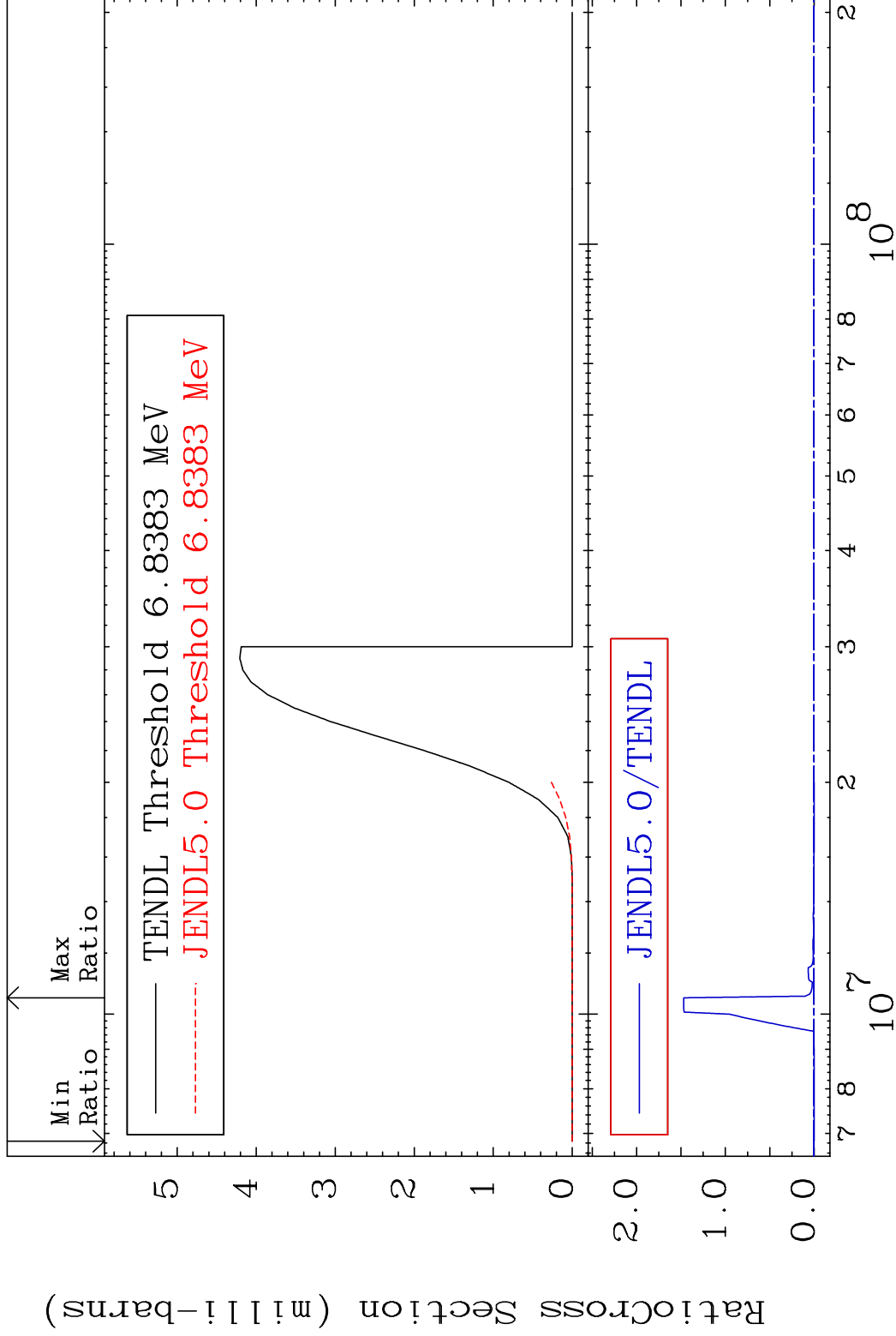
78-Pt-194

MAT 7837

(n, t)

78-Pt-194

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

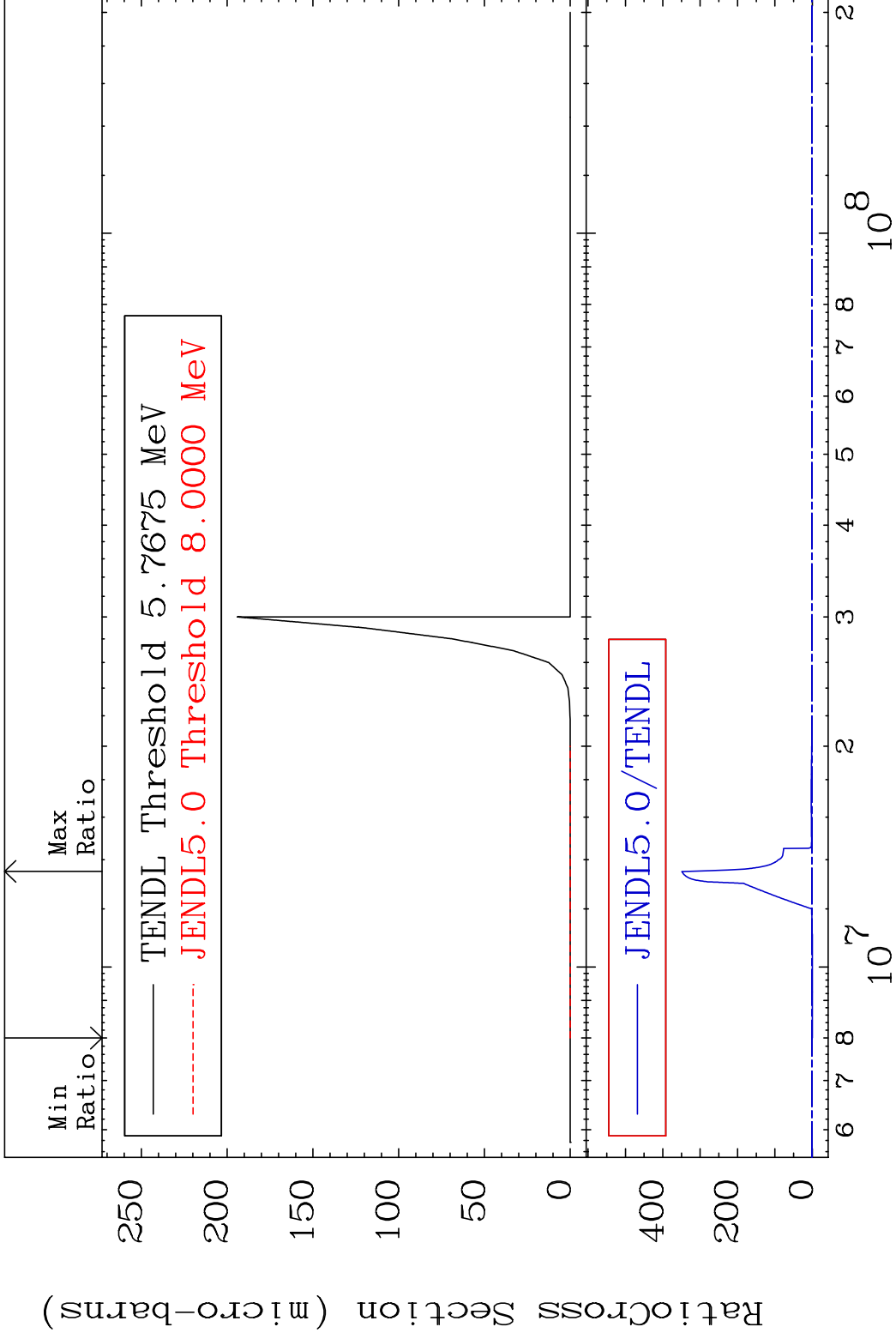
78-Pt-194

MAT 7837

(n, He-3)

78-Pt-194

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

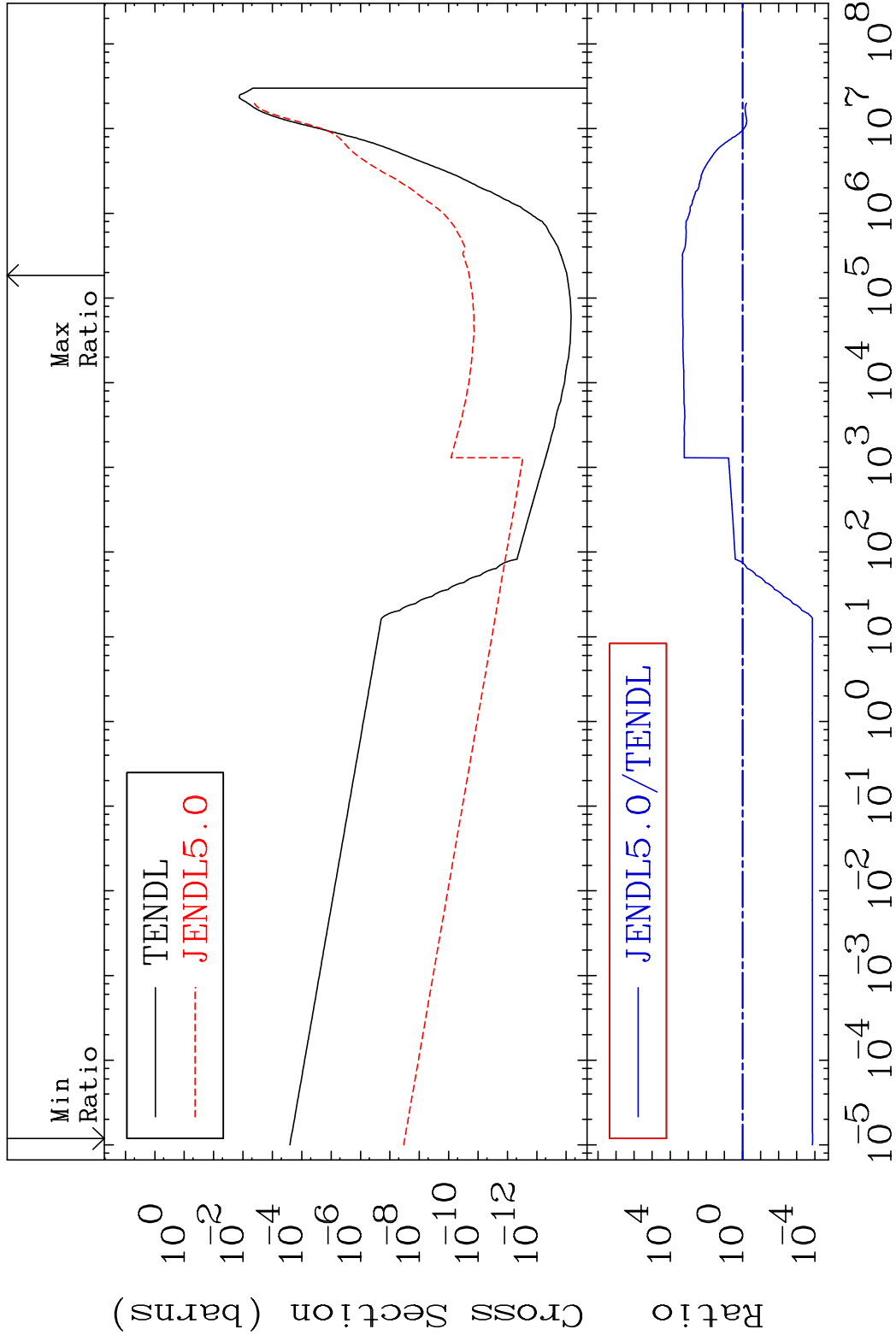
78-Pt-194

MAT 7837

(n,  $\alpha$ )

78-Pt-194

Cross Section -99.99 To 9999. %

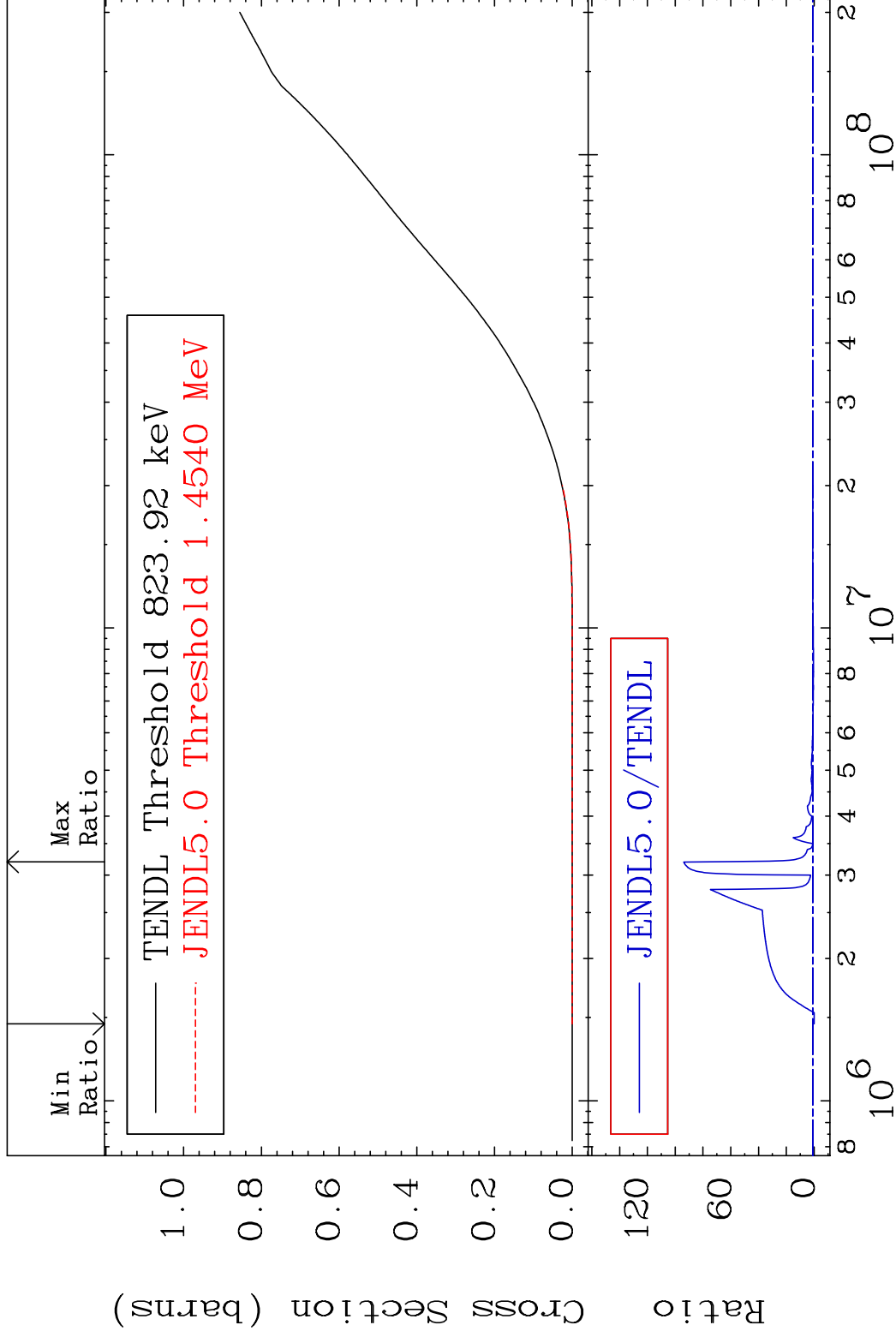


MAT 7837

Hydrogen Production

78-Pt-194

Cross Section -100.0 To 9290. %



45

Incident Energy (eV)

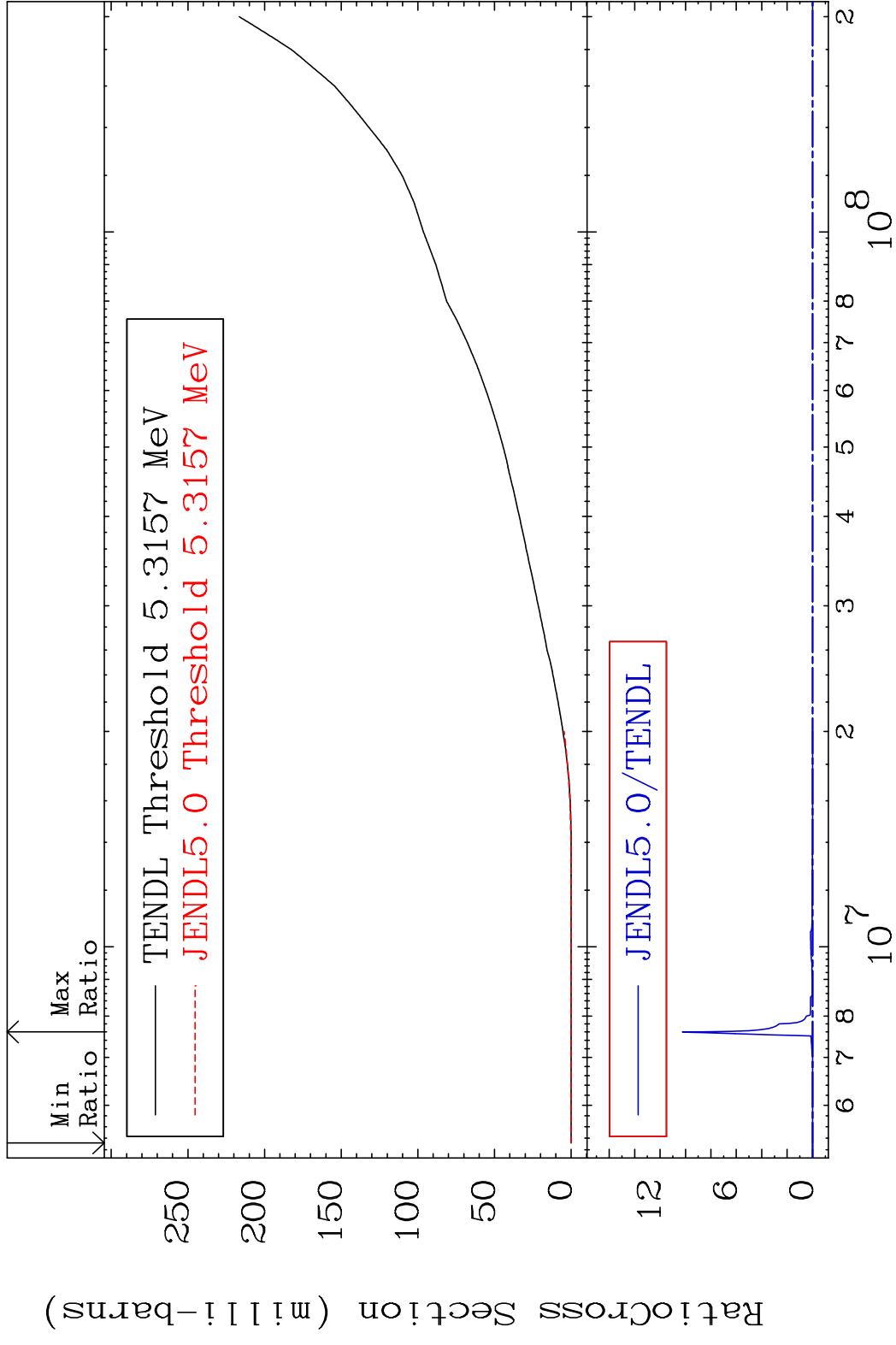
78-Pt-194

MAT 7837

Deuterium Production

78-Pt-194

Cross Section -100.0 To 9999. %

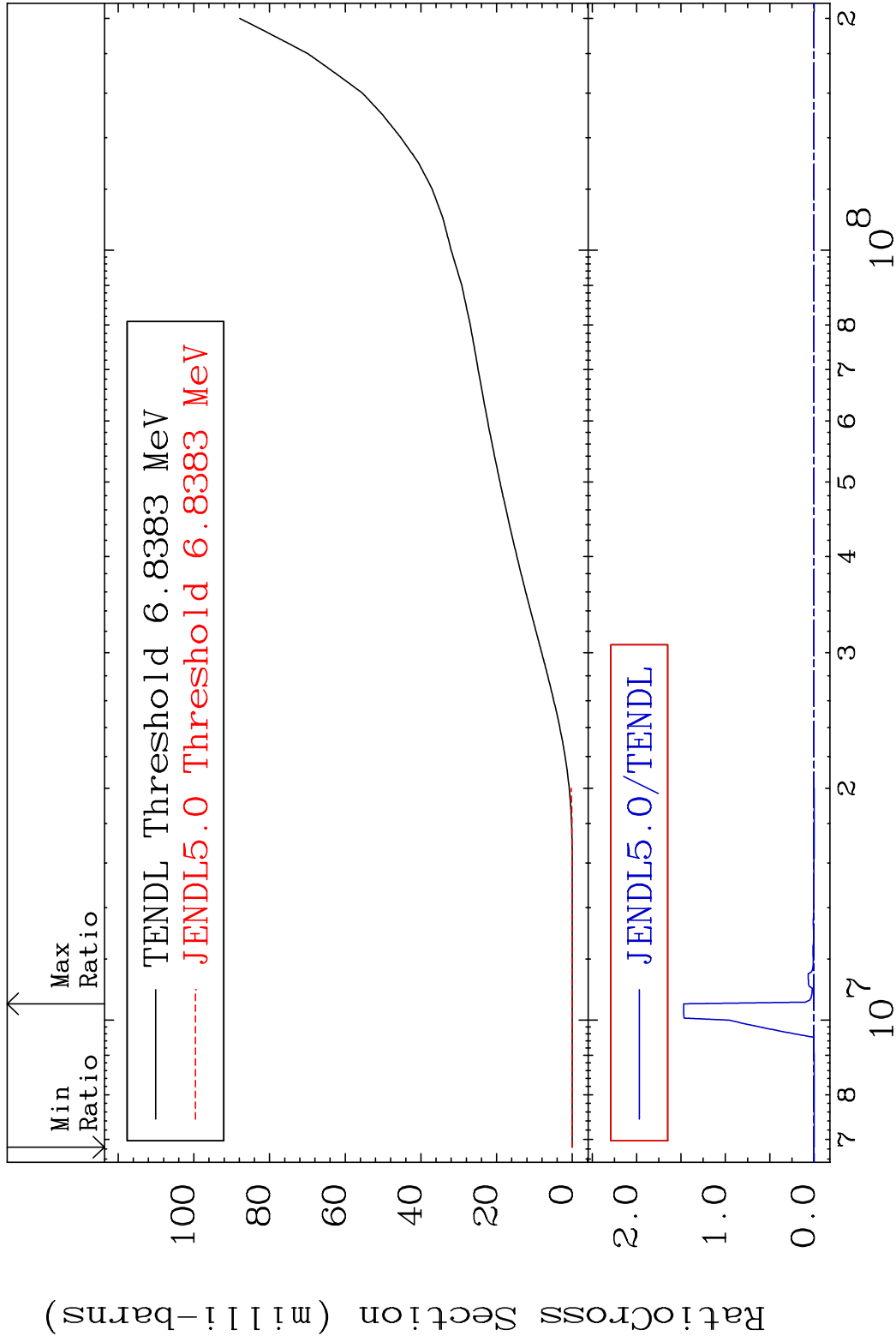


MAT 7837

Tritium Production

78-Pt-194

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

78-Pt-194

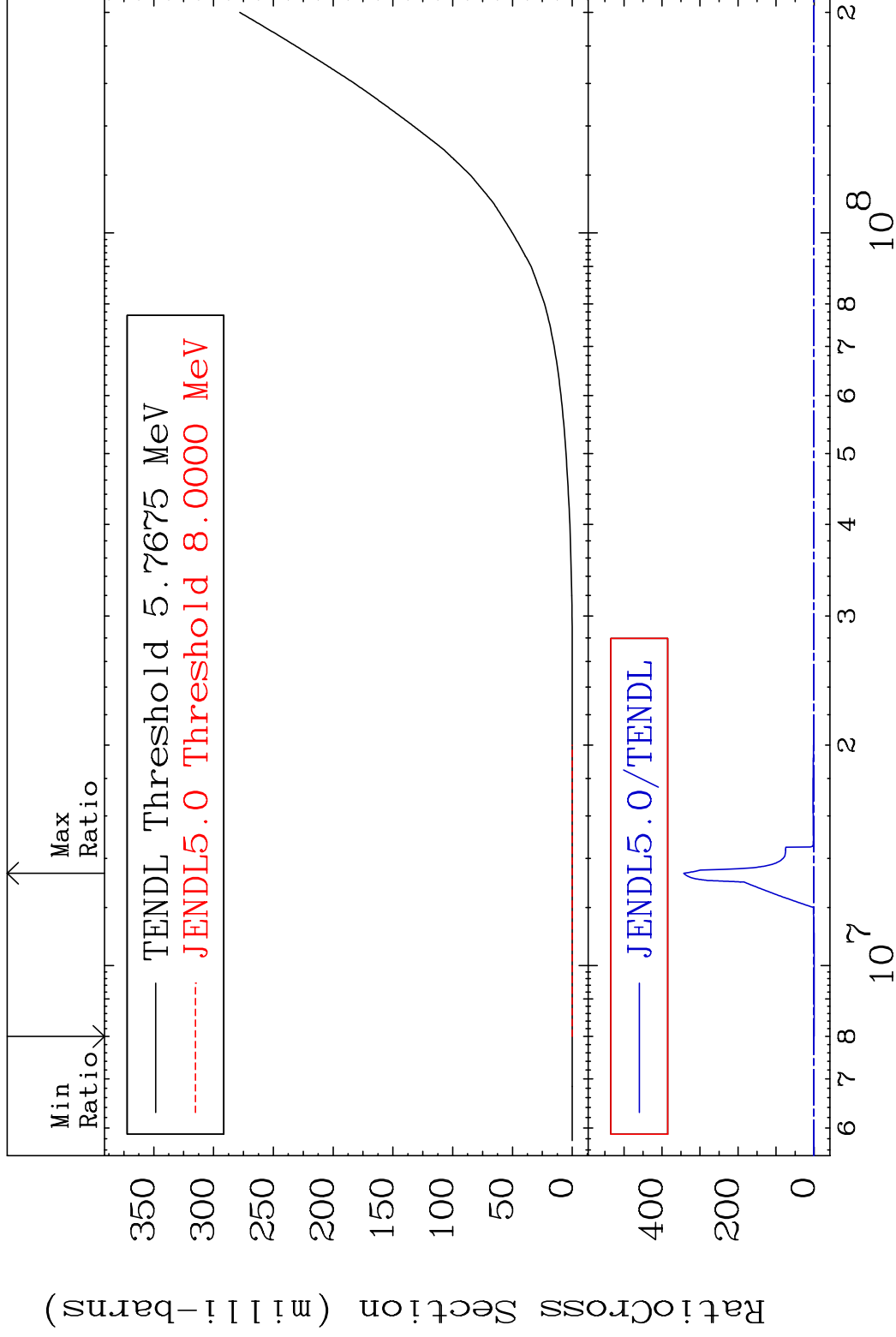


MAT 7837

He-3 Production

78-Pt-194

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

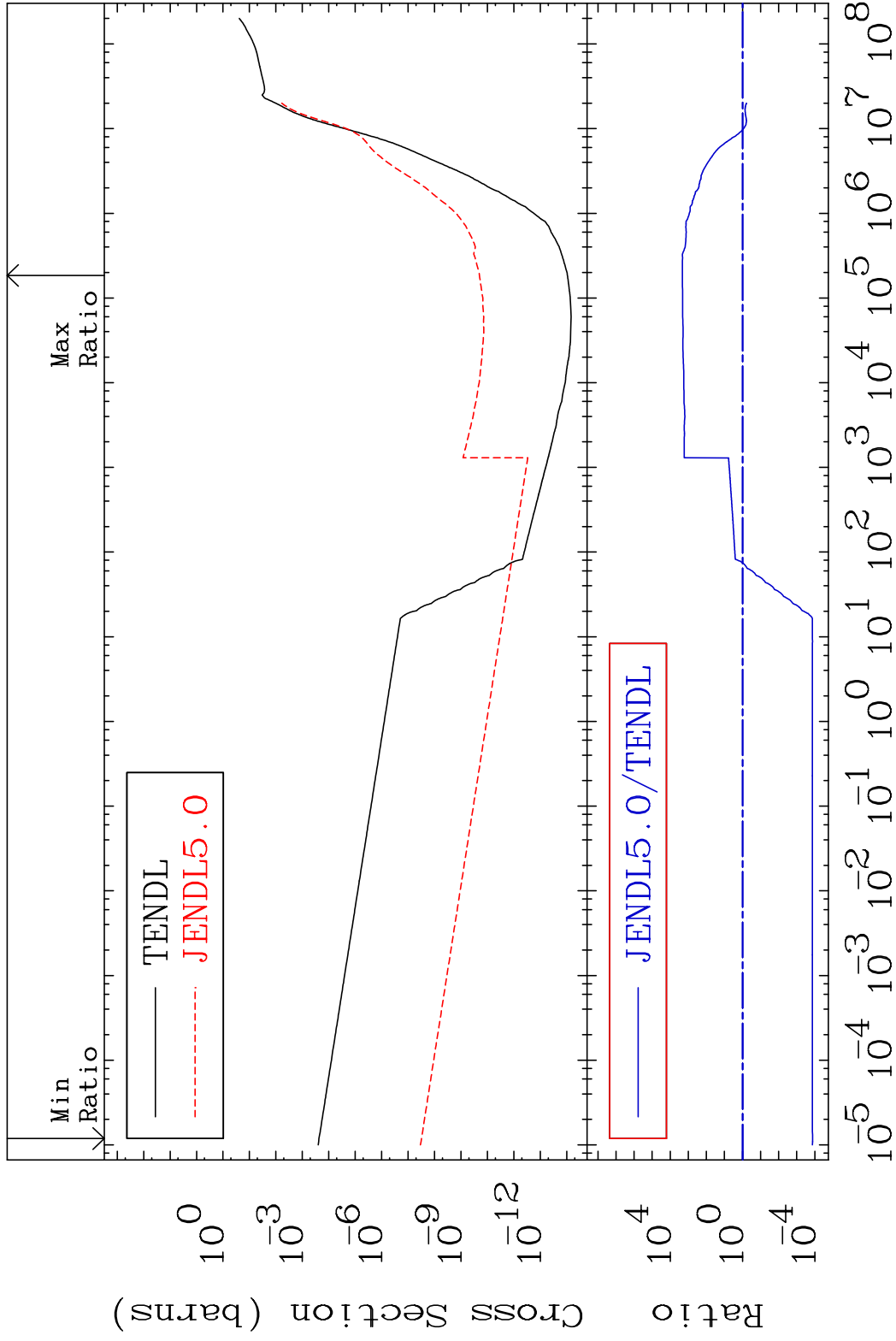
78-Pt-194

MAT 7837

He-4 Production

78-Pt-194

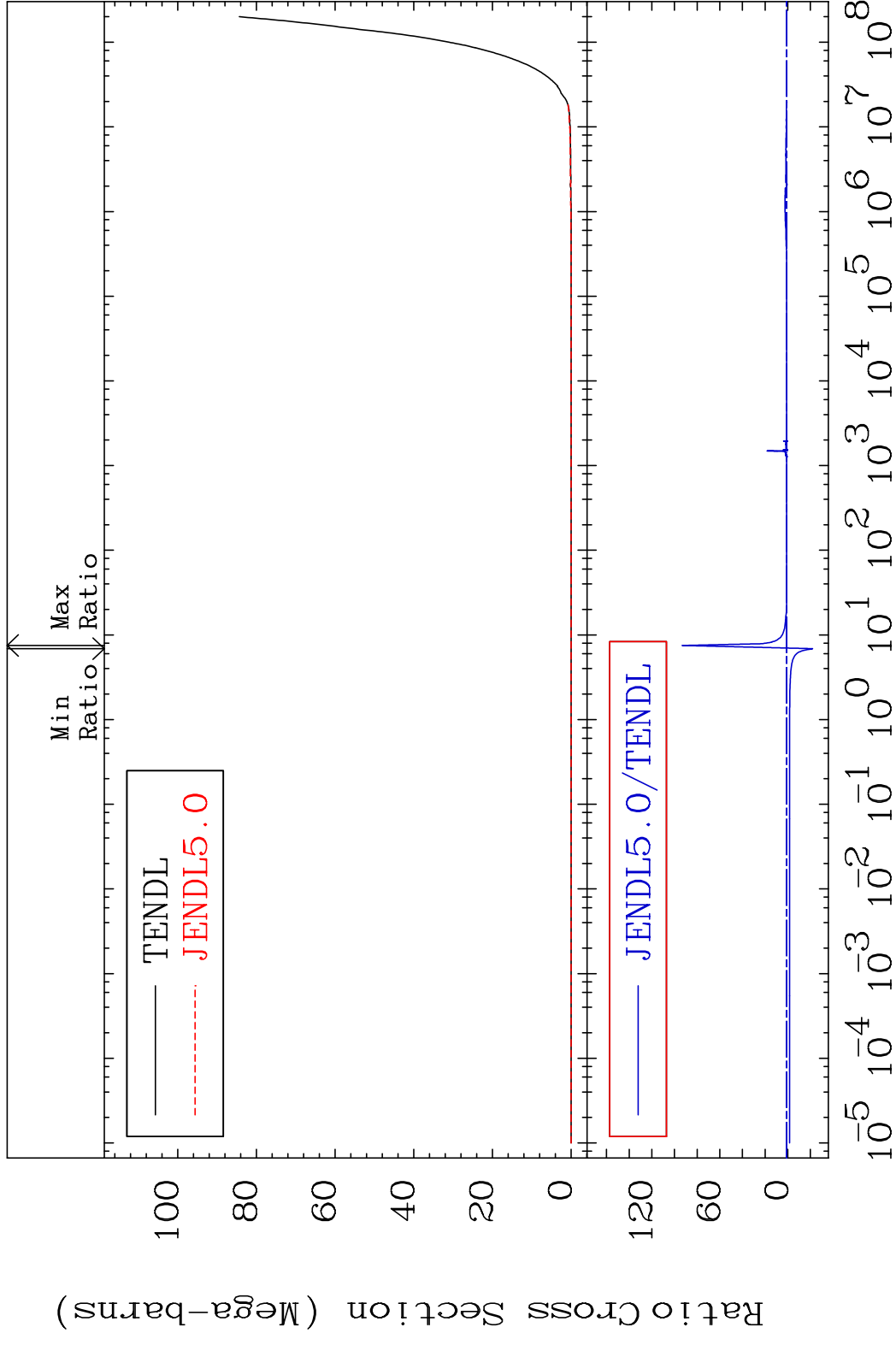
Cross Section -99.99 To 9999. %



MAT 7837

Kerma total (eV-barns) 78-Pt-194

Cross Section -2290. To 9207. %



50

Incident Energy (eV)

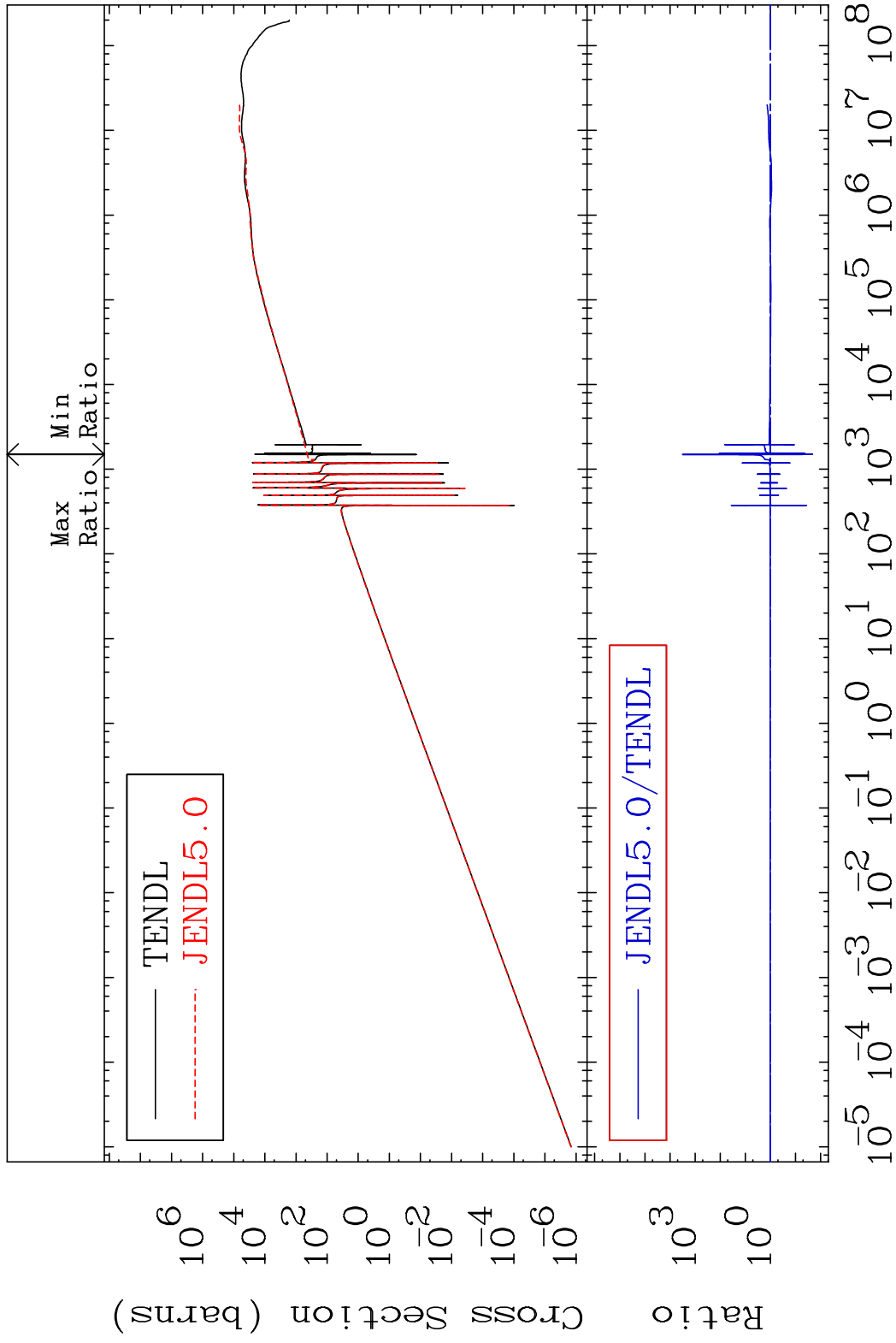
78-Pt-194

MAT 7837

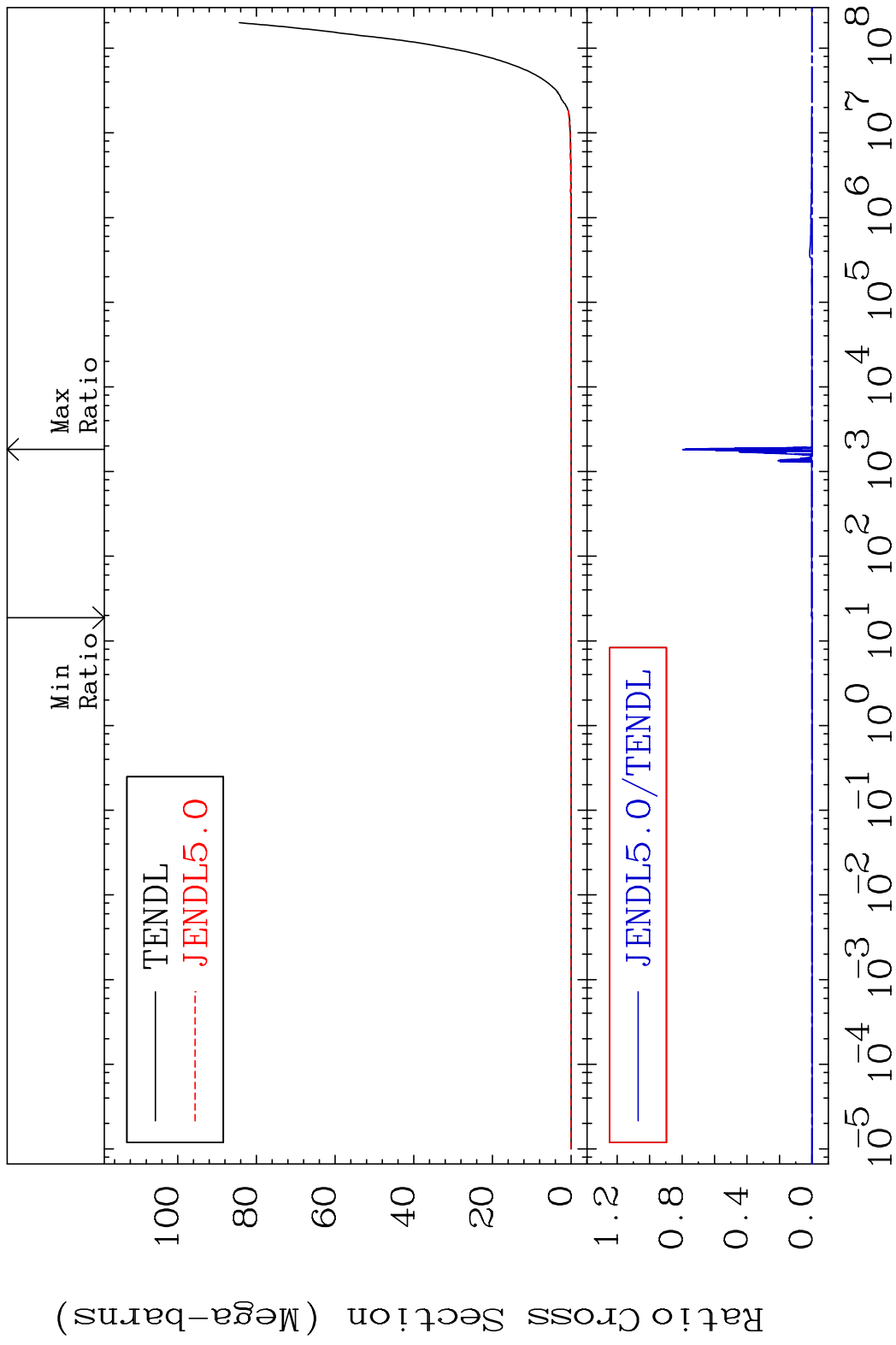
Kerma elastic

78-Pt-194

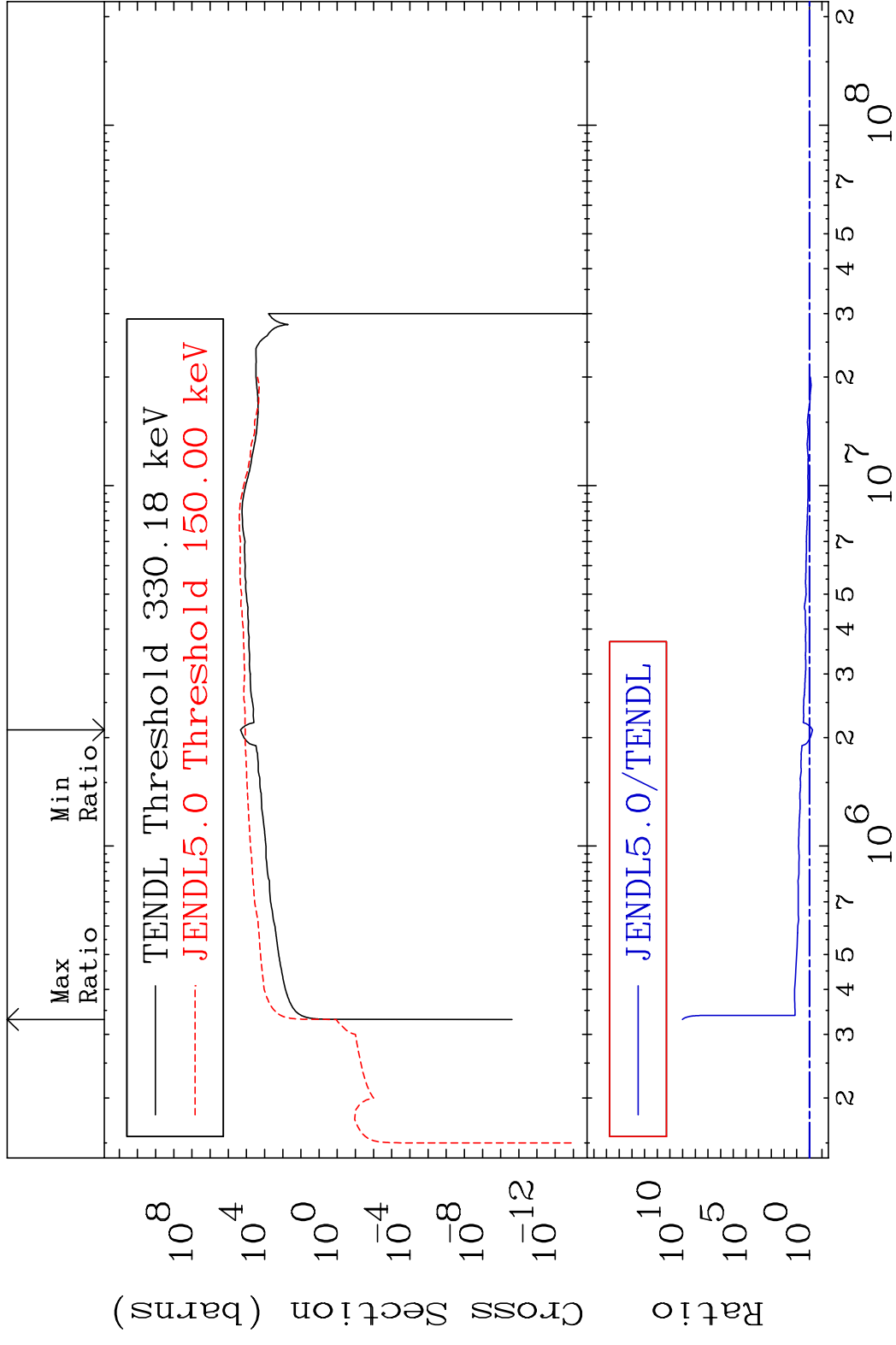
Cross Section -97.92 To 9999. %



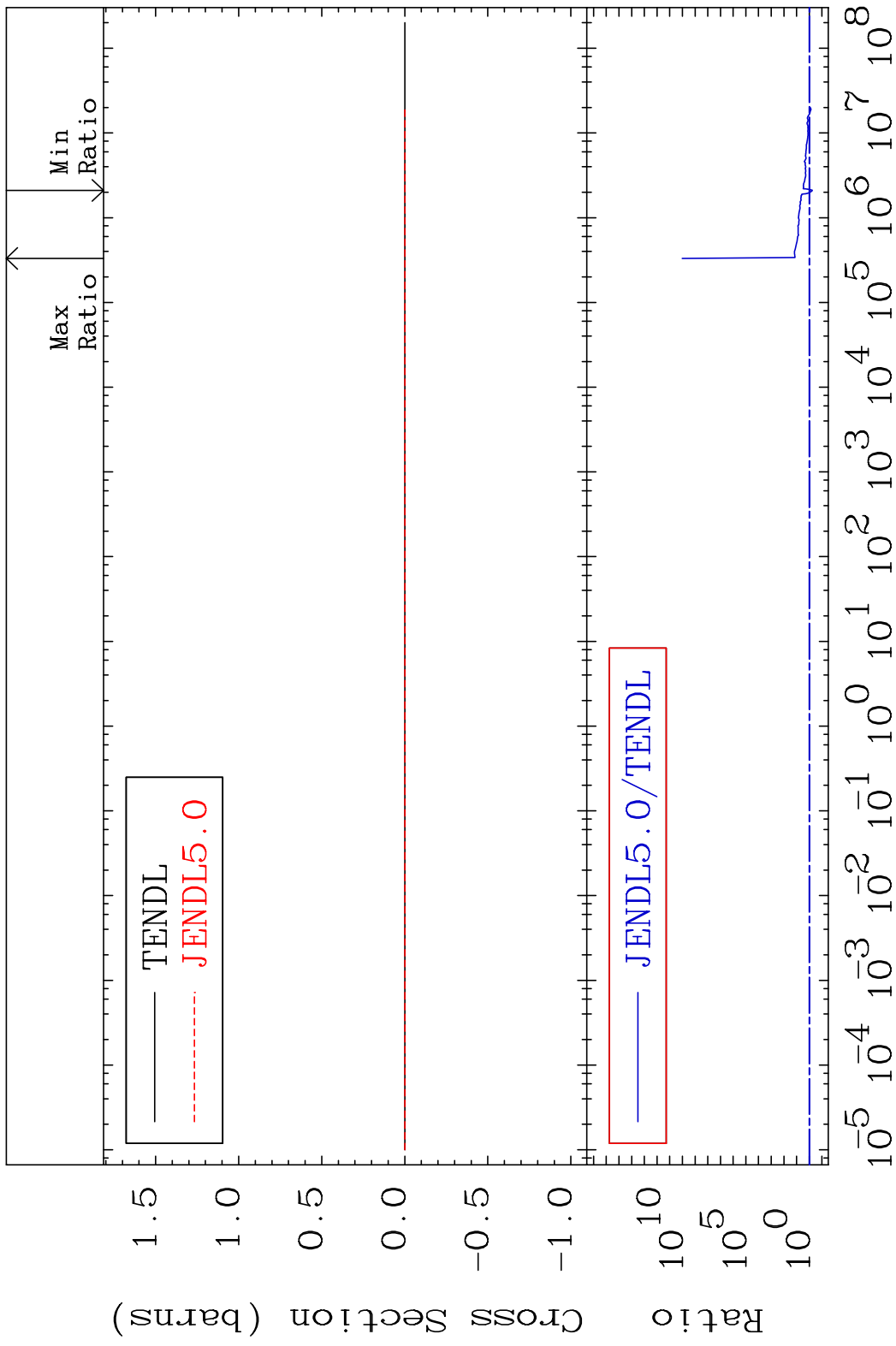
MAT 7837 Kerma non-elastic (all but mt2) 78-Pt-194  
 Cross Section -455.6 To 9999. %

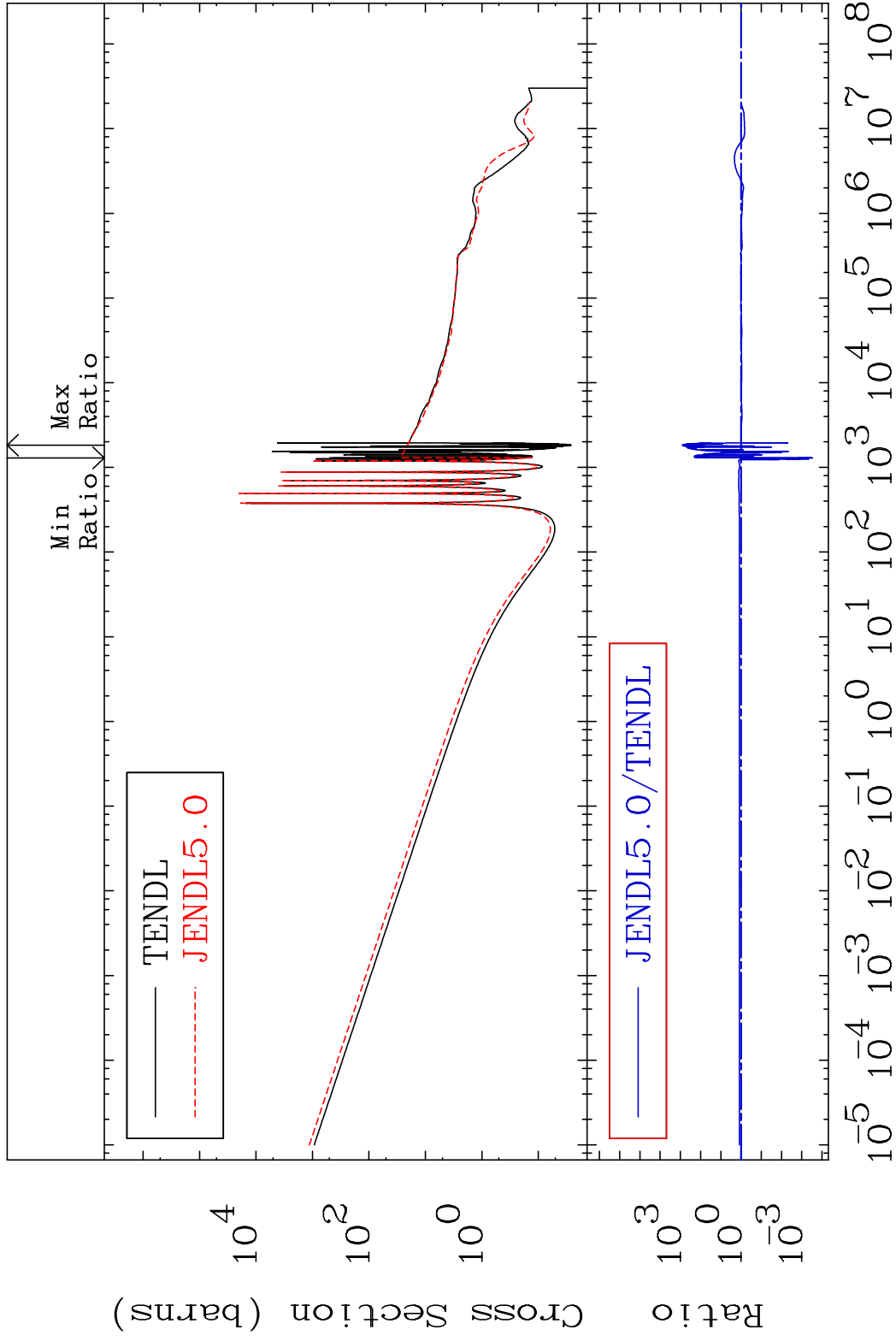


MAT 7837 Kerma inelastic (mt51-91) 78-Pt-194  
 Cross Section -43.98 To 9999. %



MAT 7837 Kerma fission (mt18 or mt19-20-21-38)78-Pt-194  
 Cross Section -43.98 To 9999. %





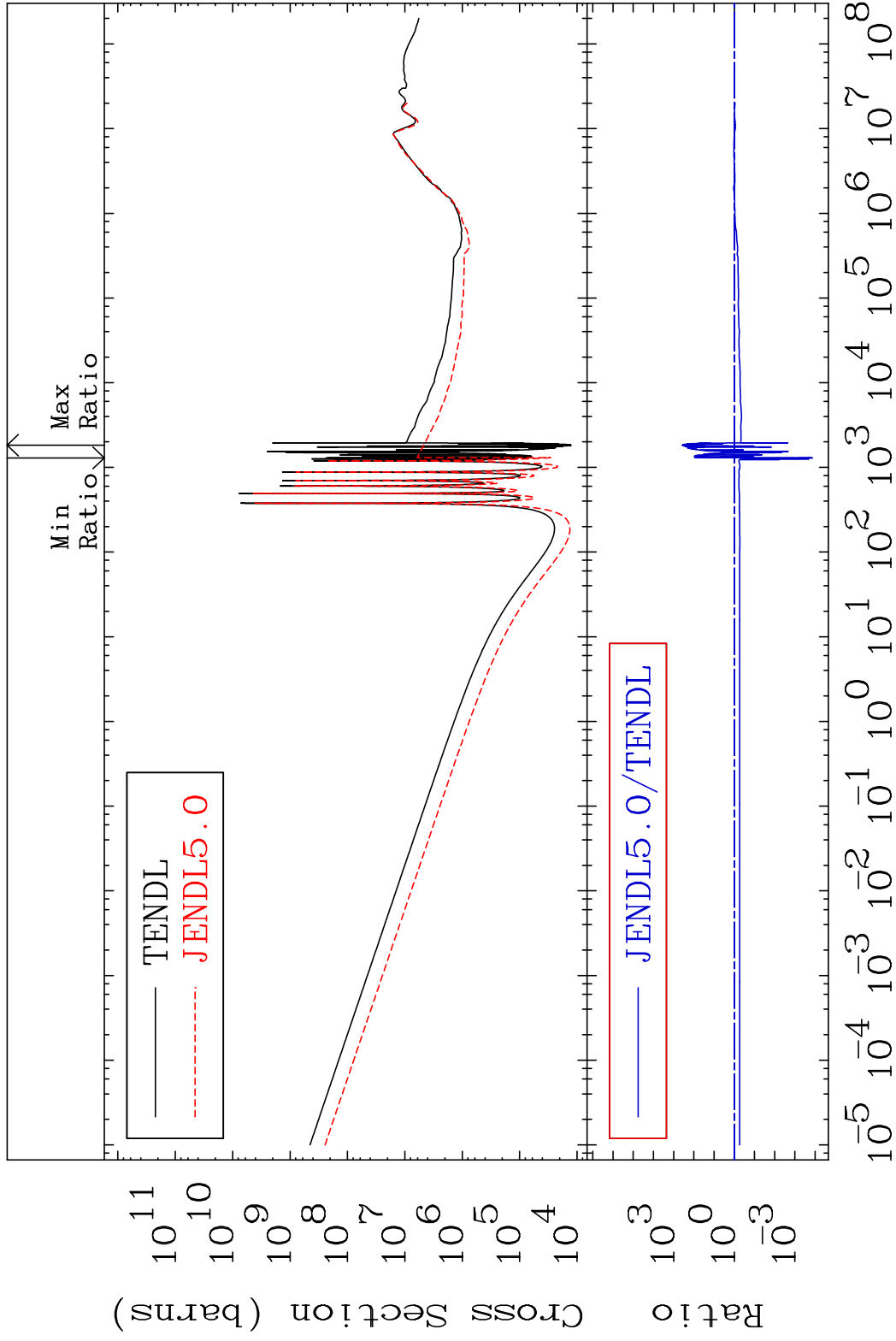


MAT 7837

Total photon (eV-barns)

78-Pt-194

Cross Section -99.99 To 9999. %

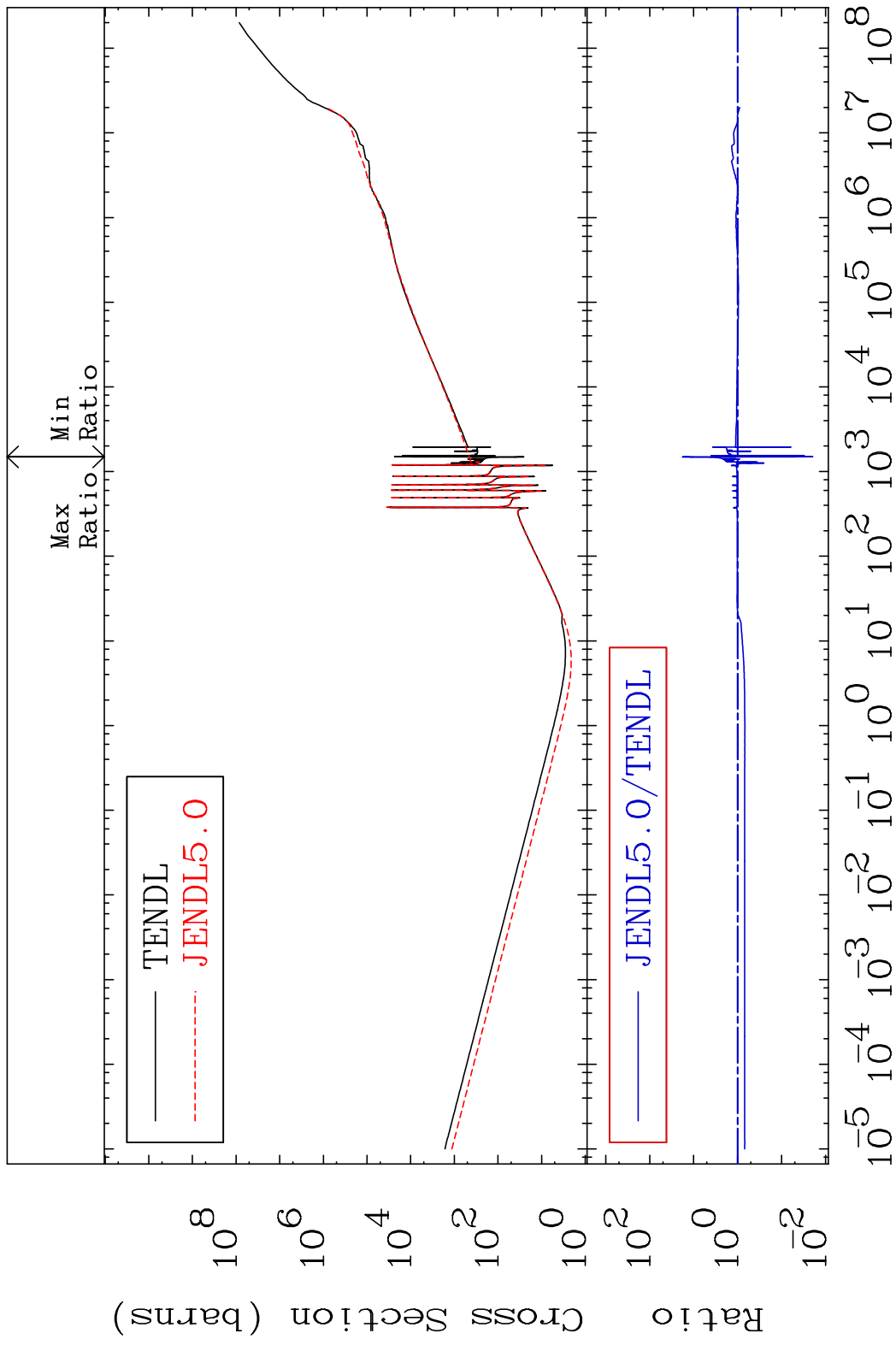


56

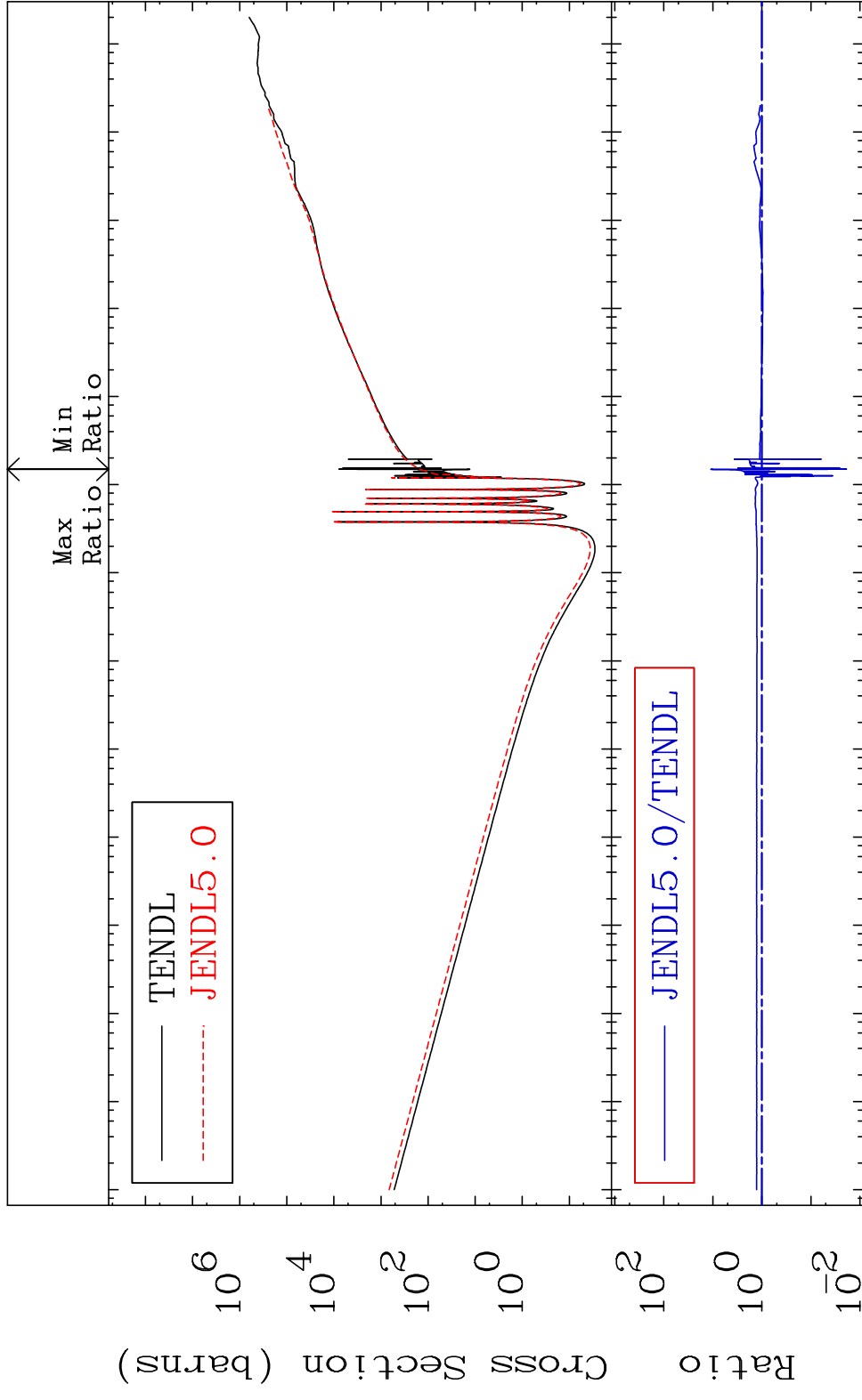
Incident Energy (eV)

78-Pt-194

MAT 7837 Total kinematic kerma (high limit) 78-Pt-194  
 Cross Section -98.03 To 1708. %



Cross Section -98.10 To 1005. %

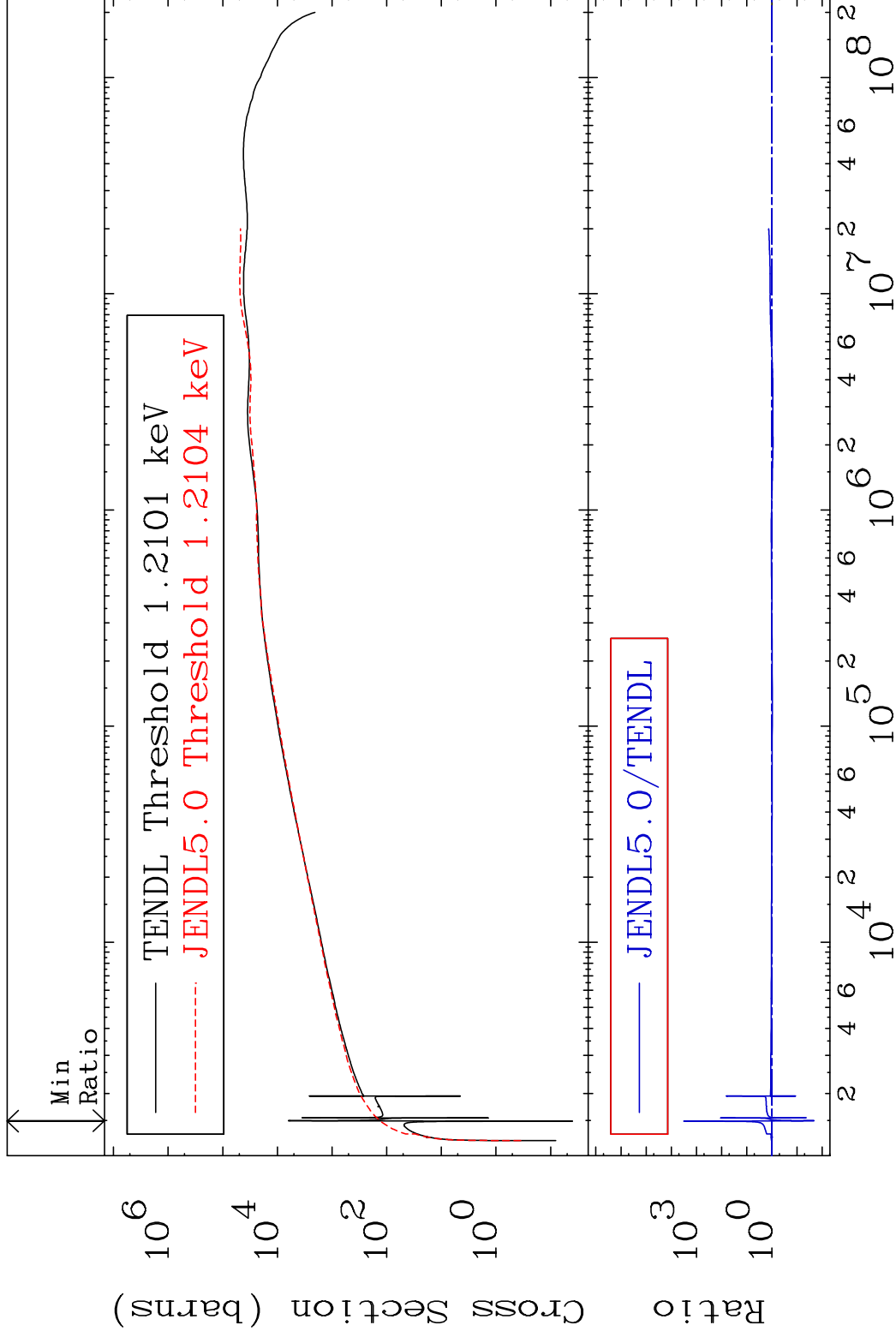


MAT 7837

Dpa elastic (mt2)

78-Pt-194

Cross Section -97.92 To 9999. %

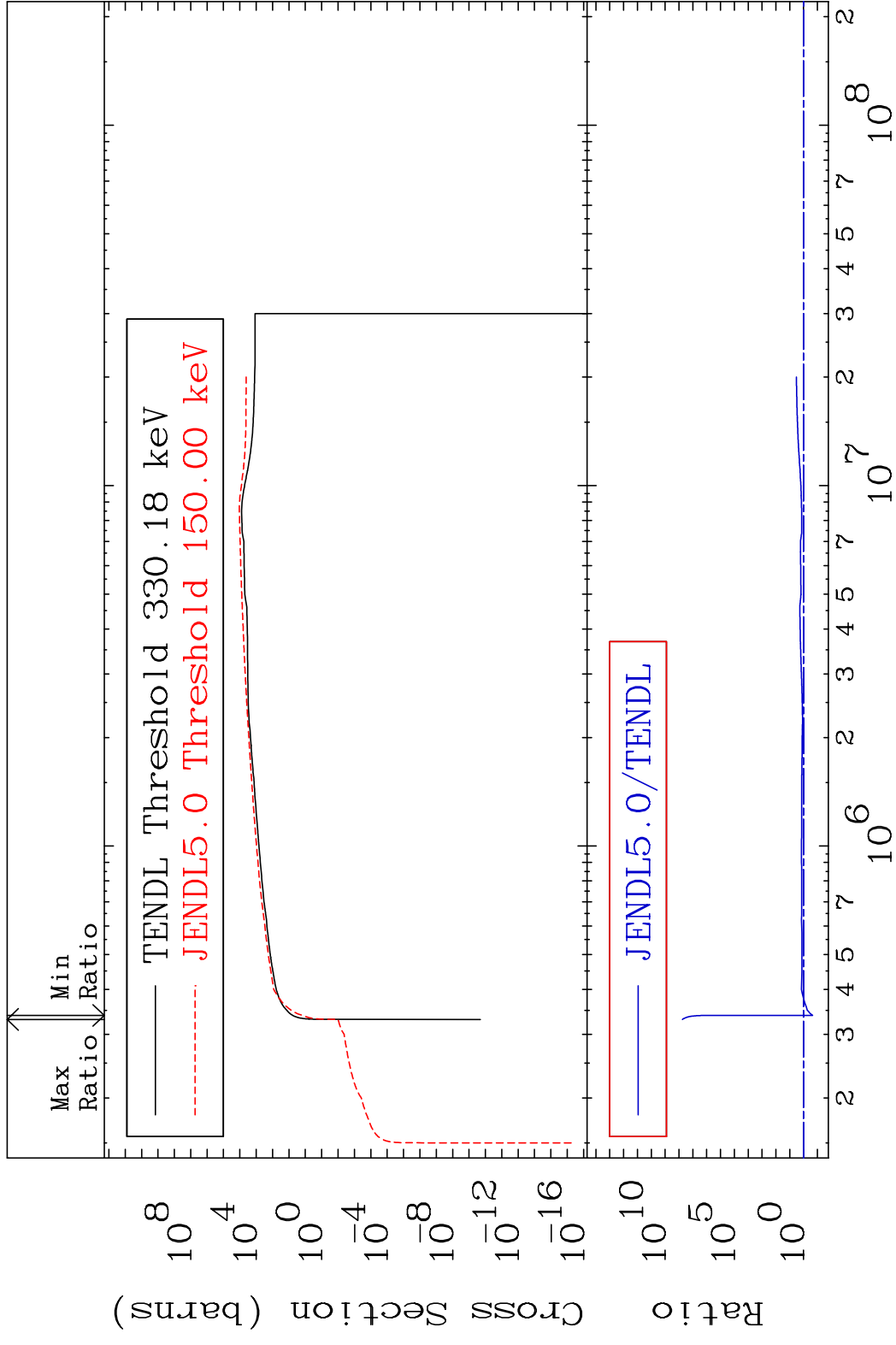


59

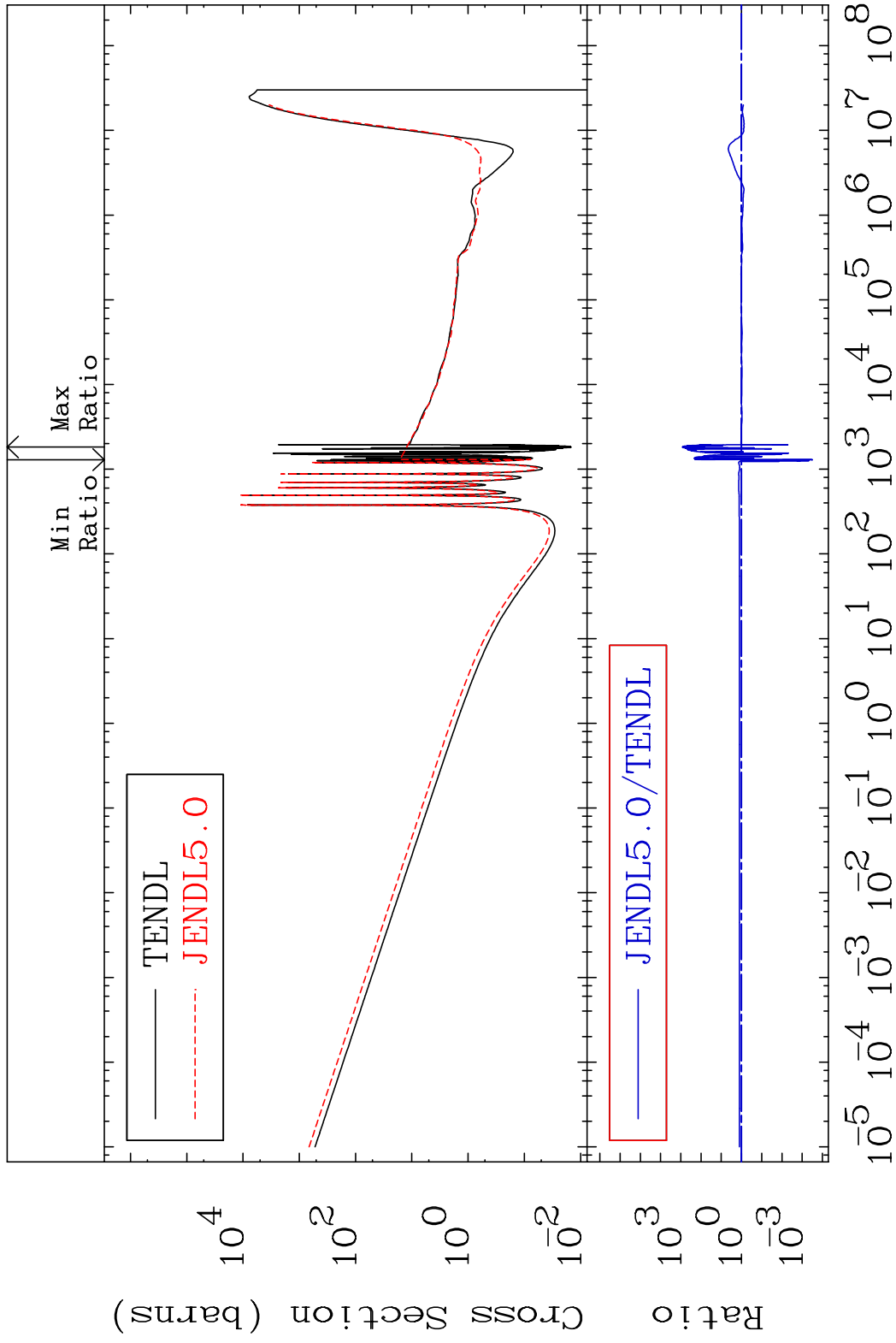
Incident Energy (eV)

78-Pt-194

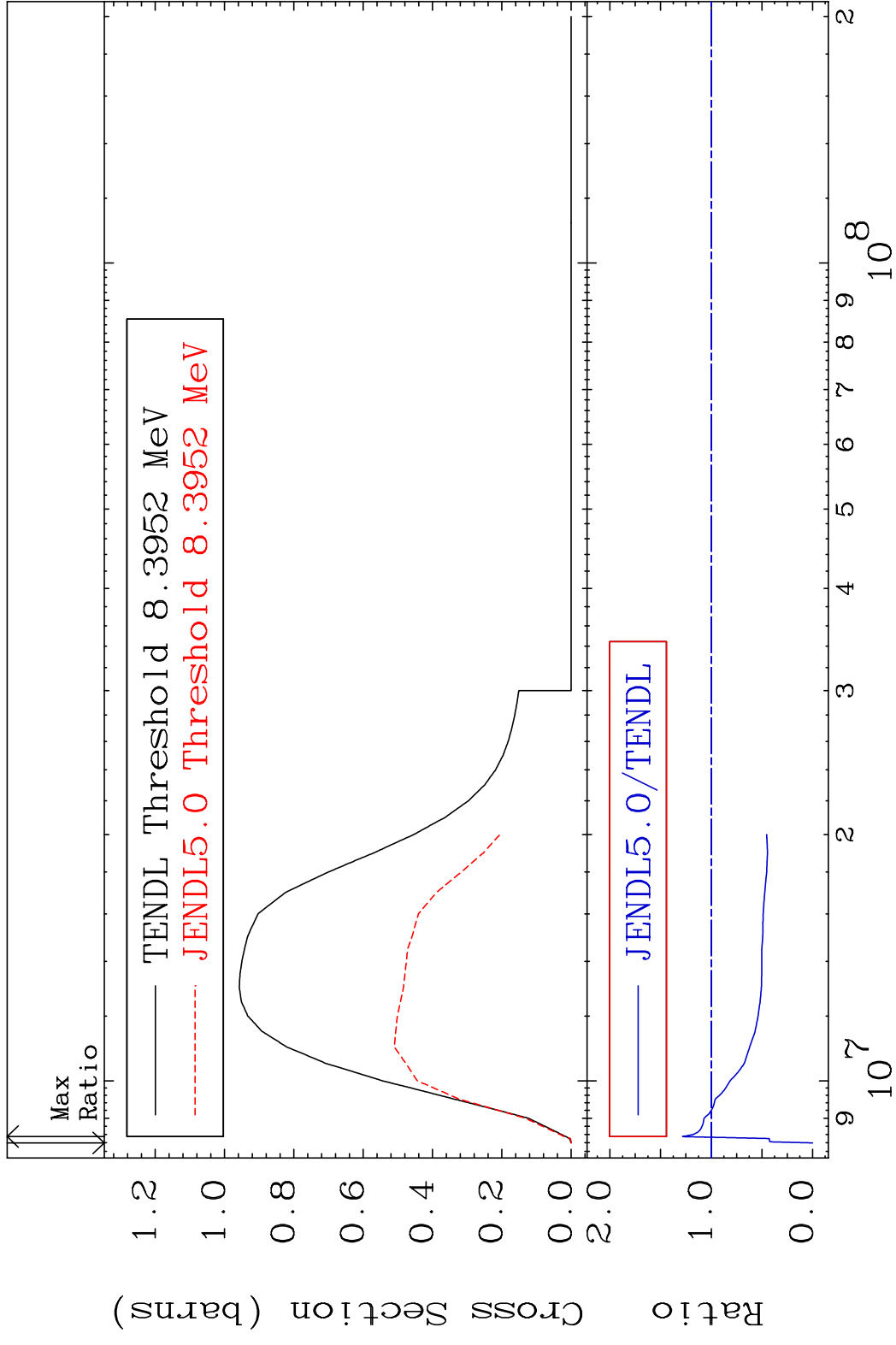
MAT 7837 Dpa inelastic (mt51-91) 78-Pt-194  
 Cross Section -77.58 To 9999. %



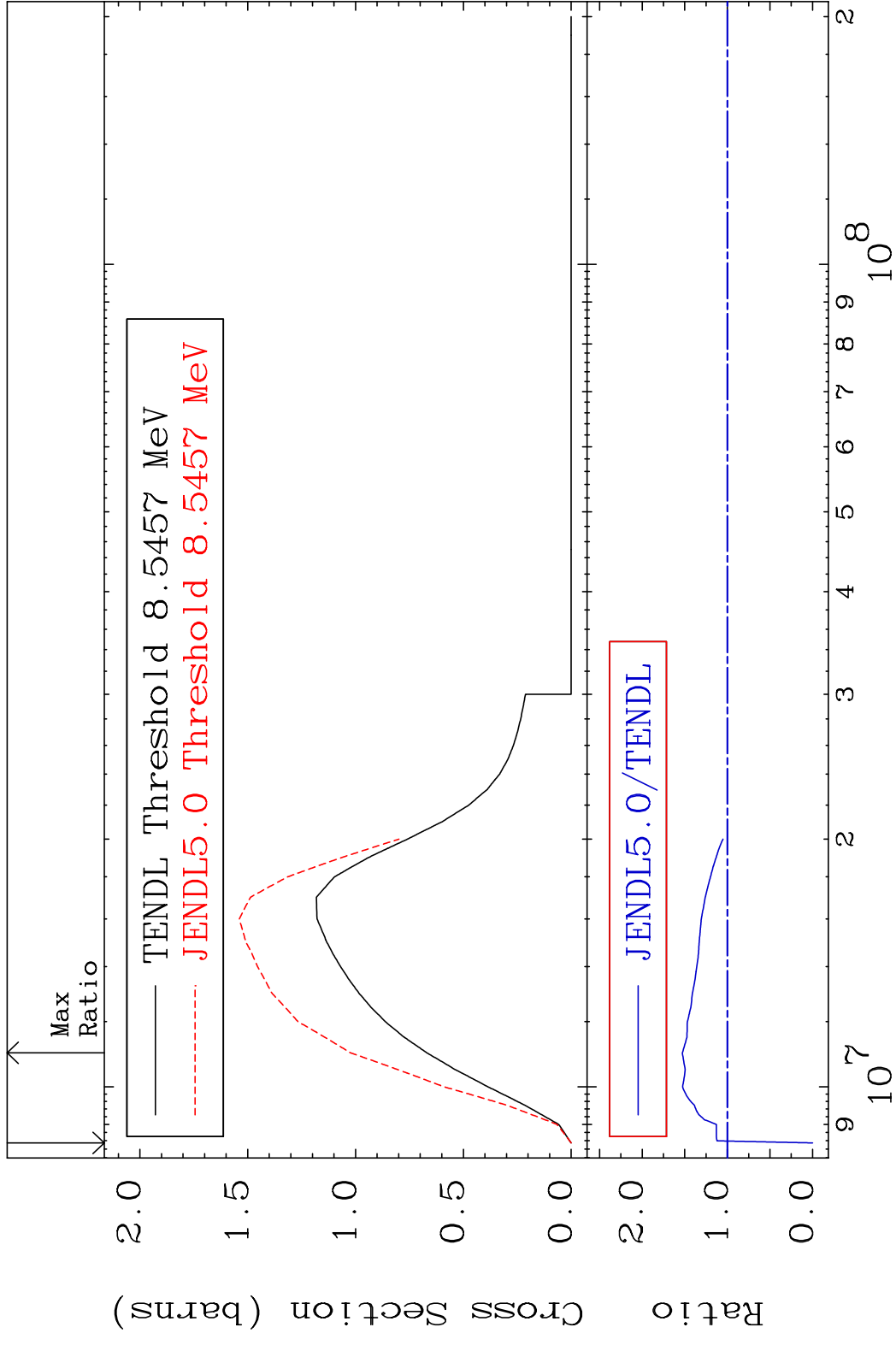
MAT 7837 Dpa disappearance (mt102 -120) 78-Pt-194  
 Cross Section -99.97 To 9999. %



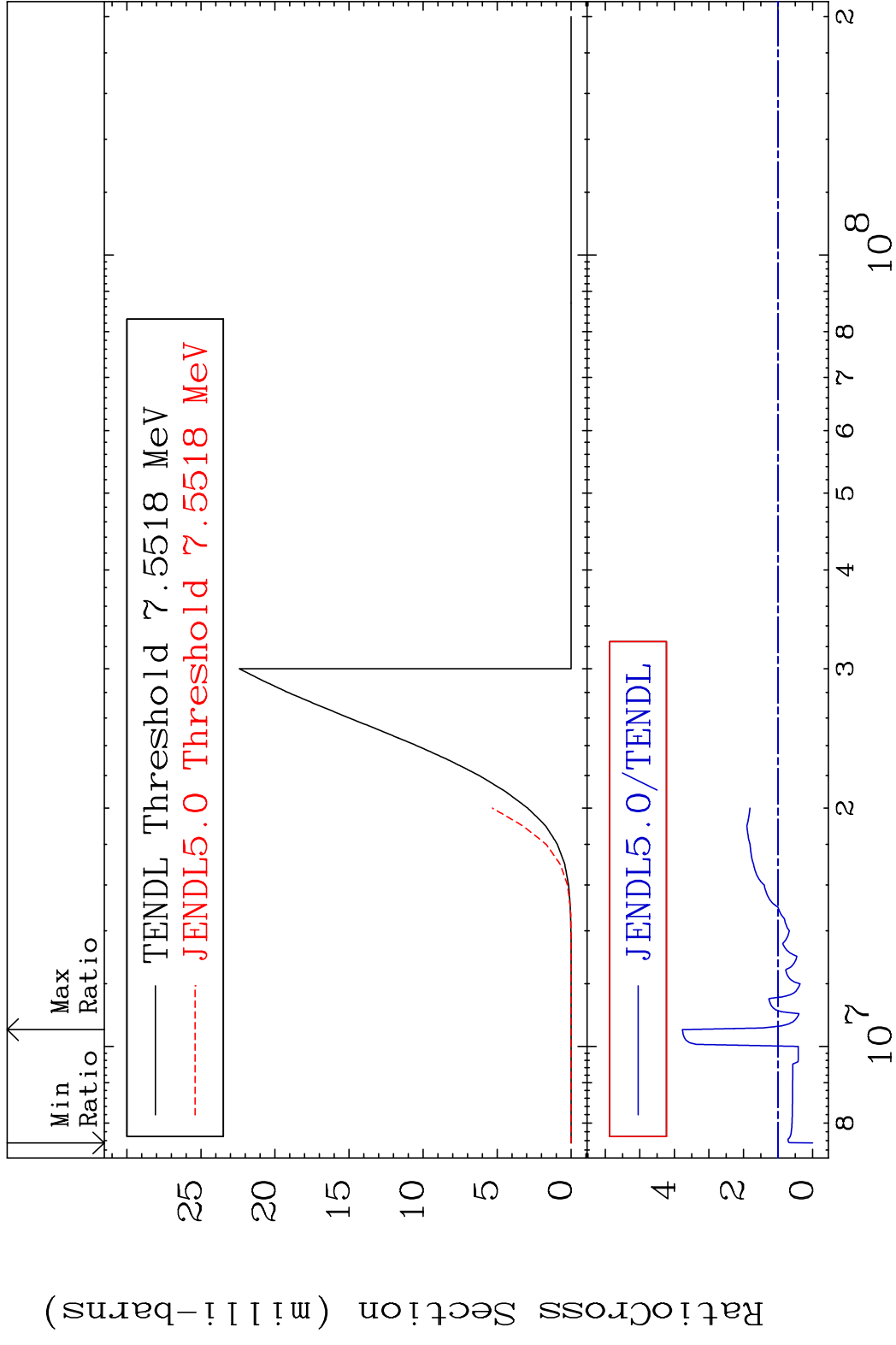
MAT 7837 (n,2n):78-Pt-193g 78-Pt-194  
 Radionuclide Production Cross Section Ratio 28.52 %

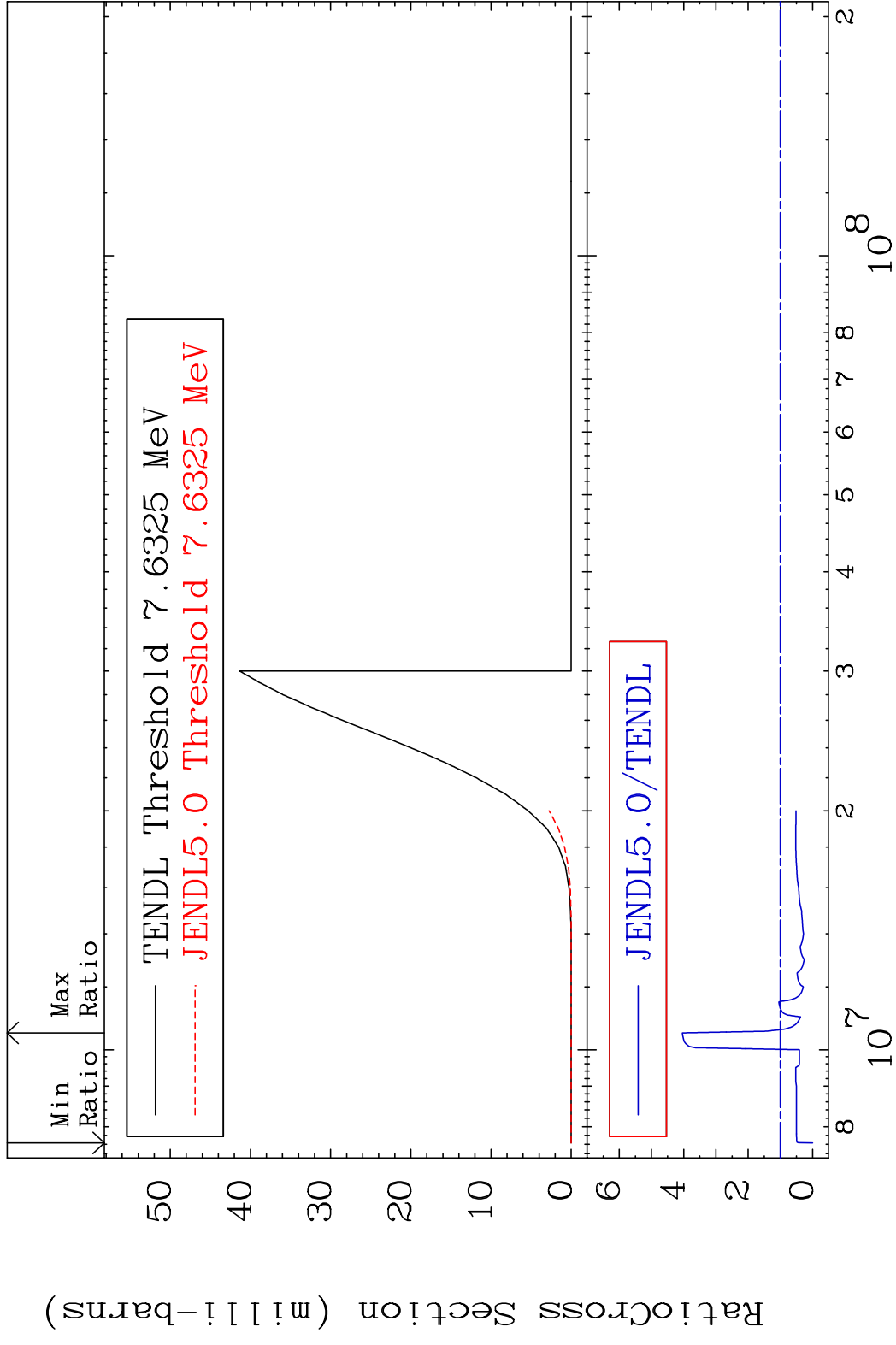


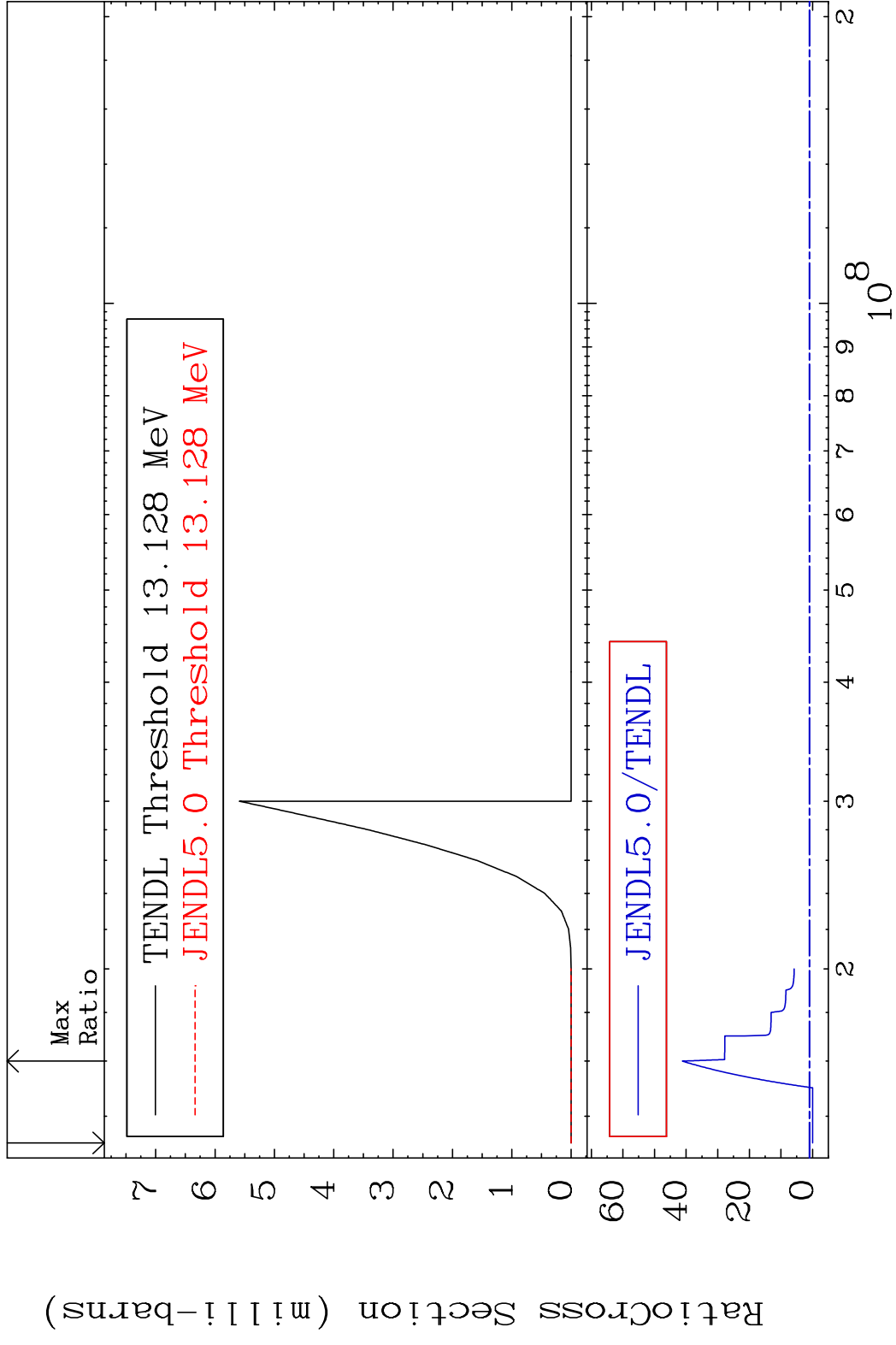
MAT 7837 (n,2n):78-Pt-193m5 78-Pt-194  
 Radionuclide Production Cross Section to 52.84 %

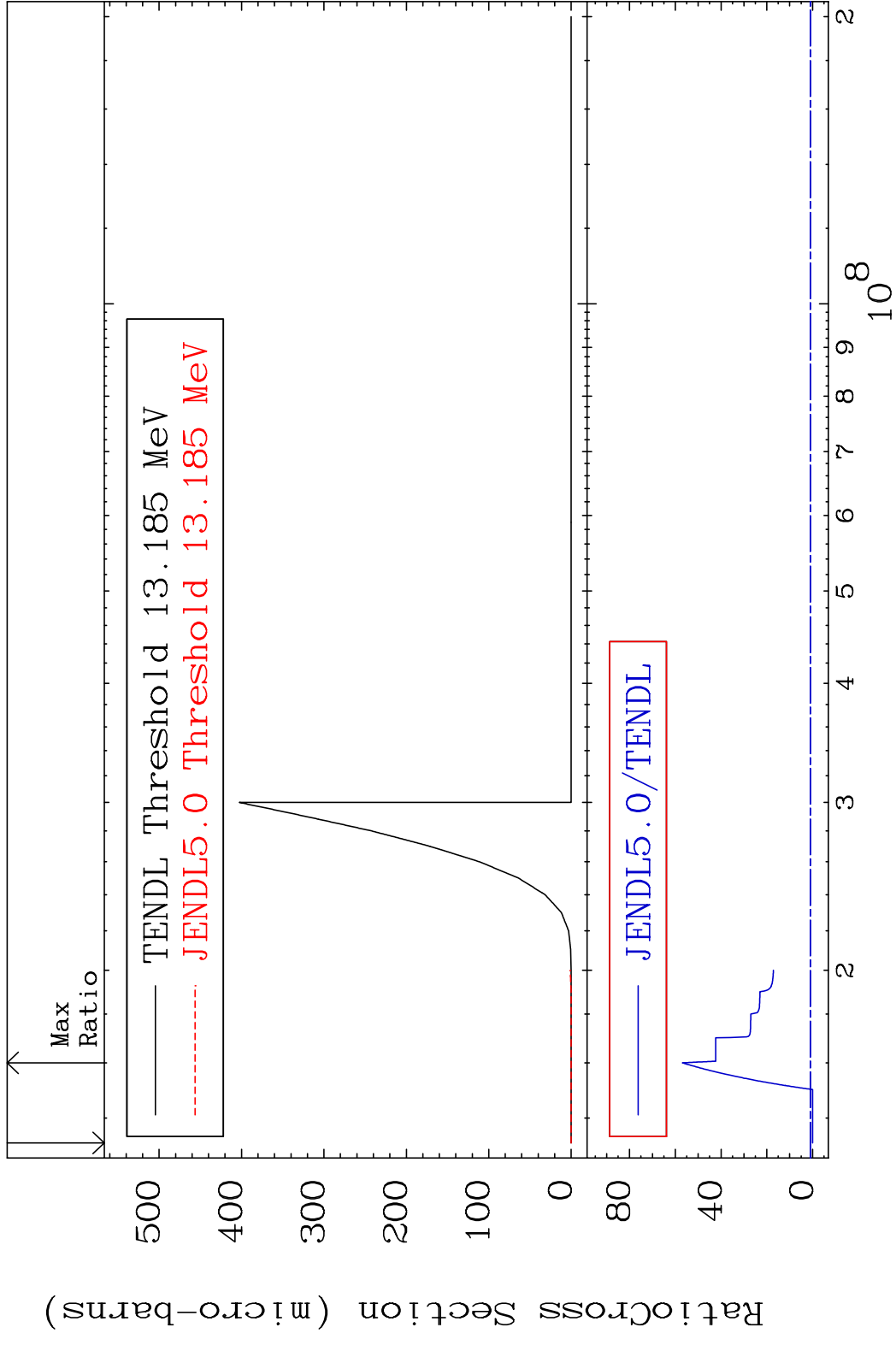


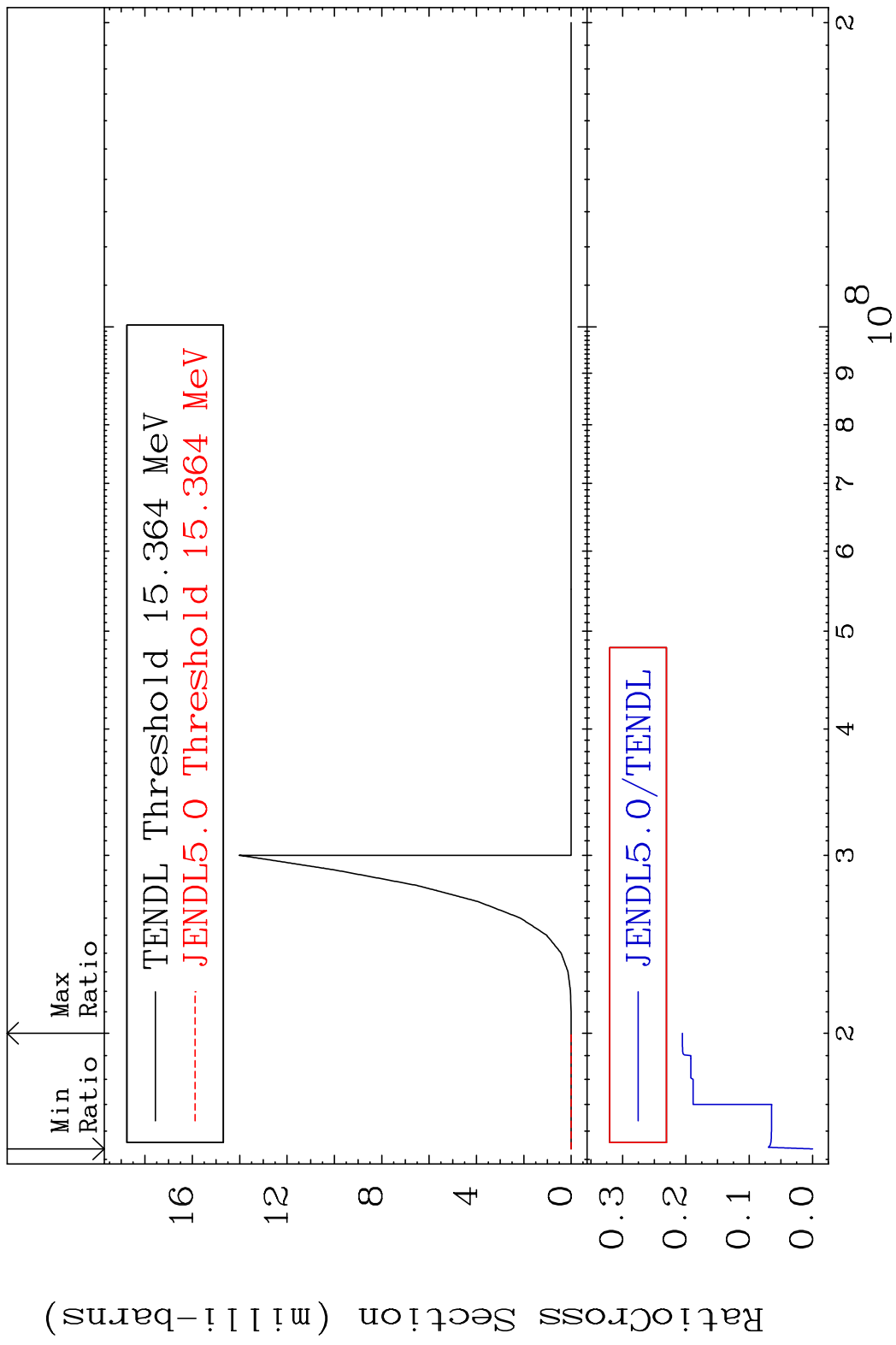


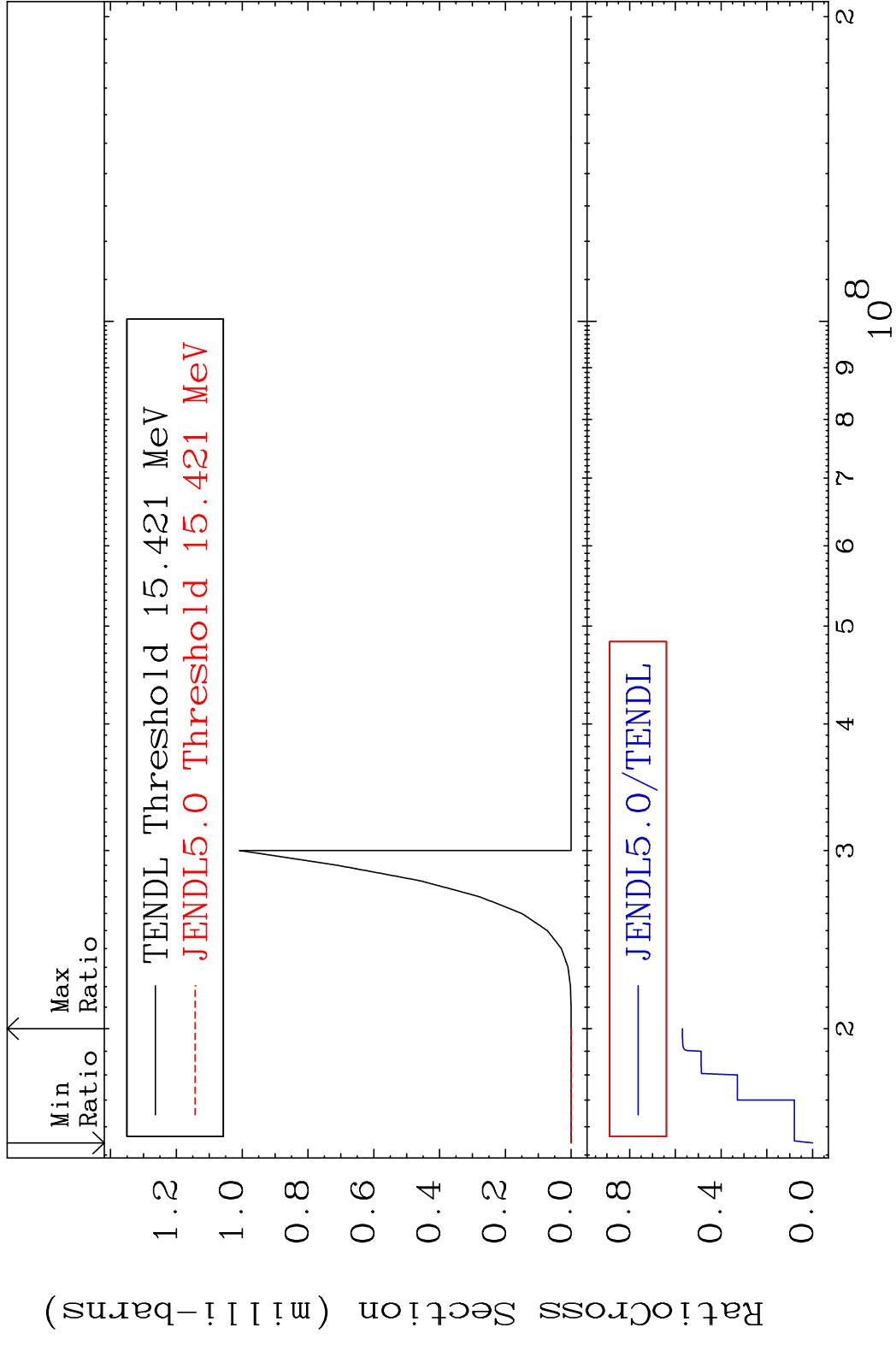




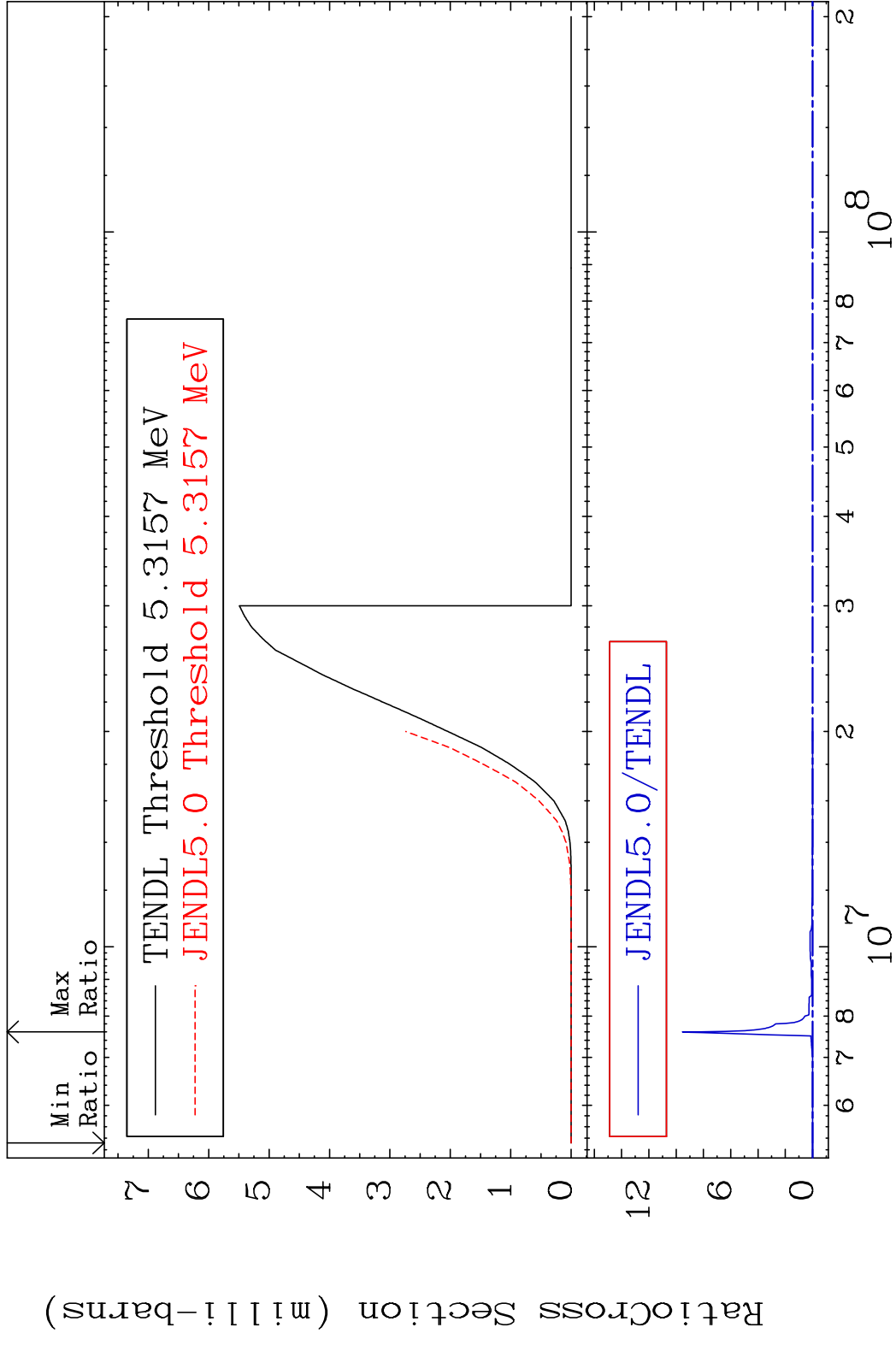






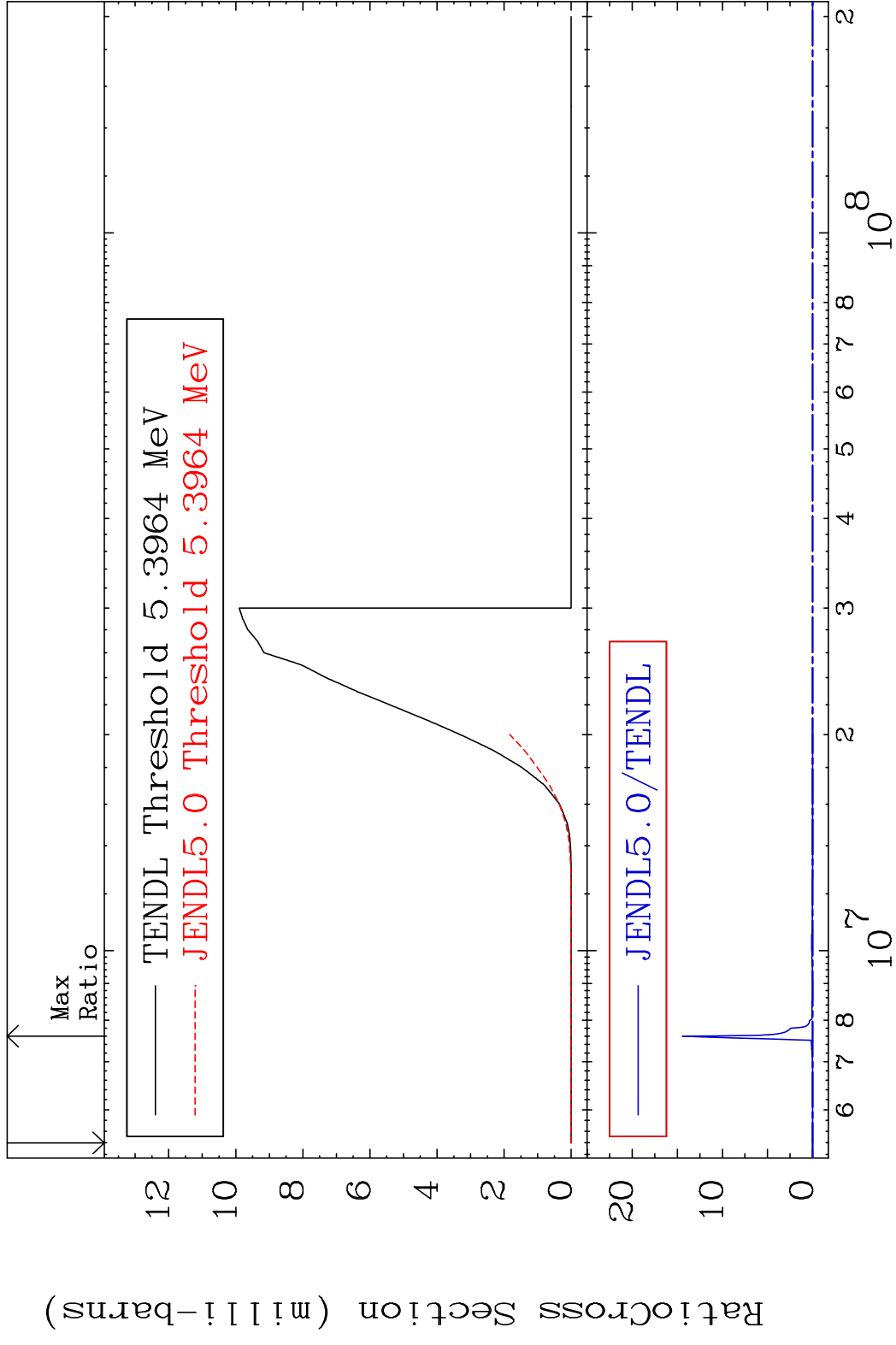


MAT 7837 (n,d):77-Ir-193g 78-Pt-194  
 Radionuclide Production Cross Section 100.00 dth 9999. %

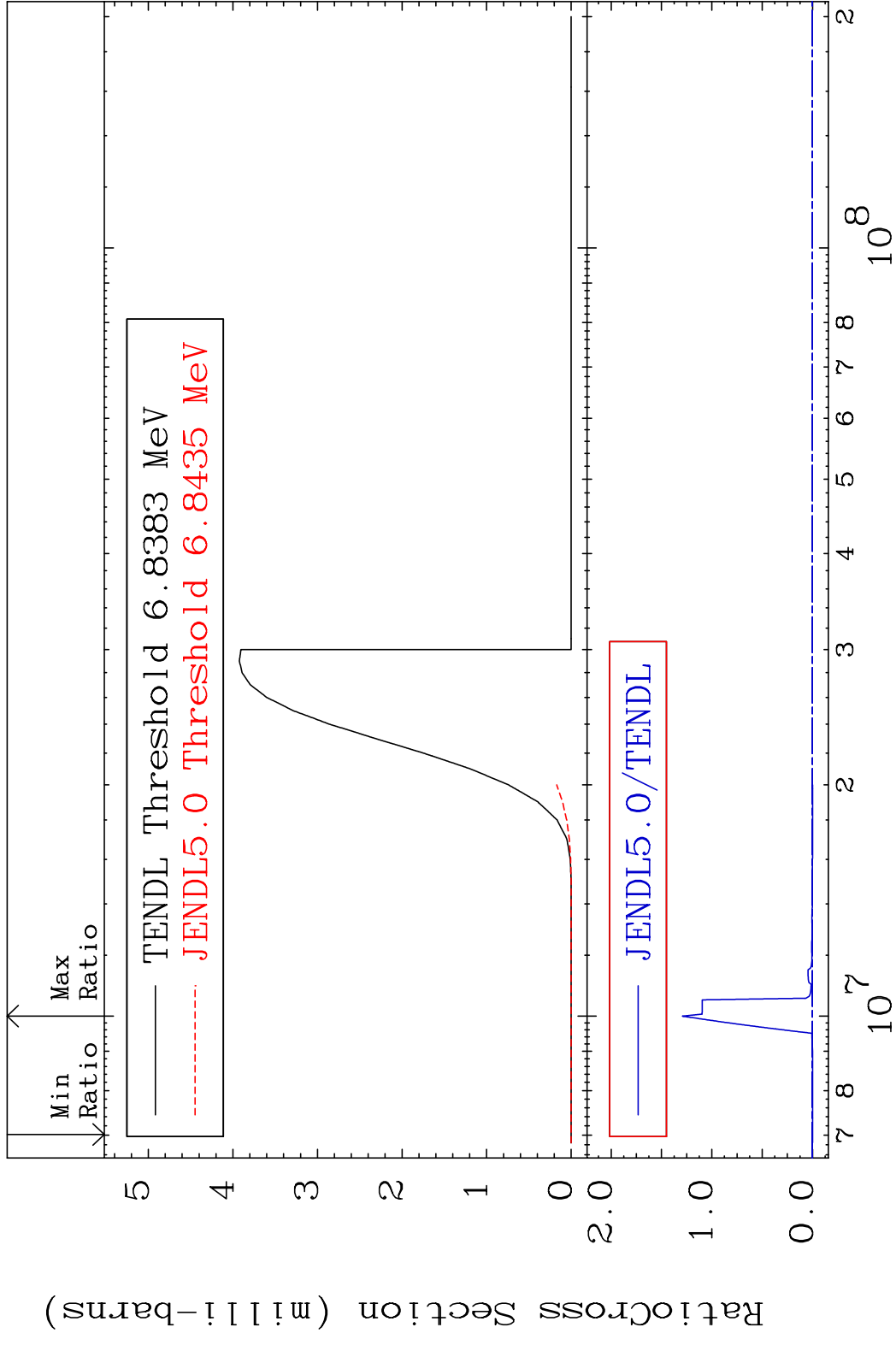


70 Incident Energy (eV) 78-Pt-194

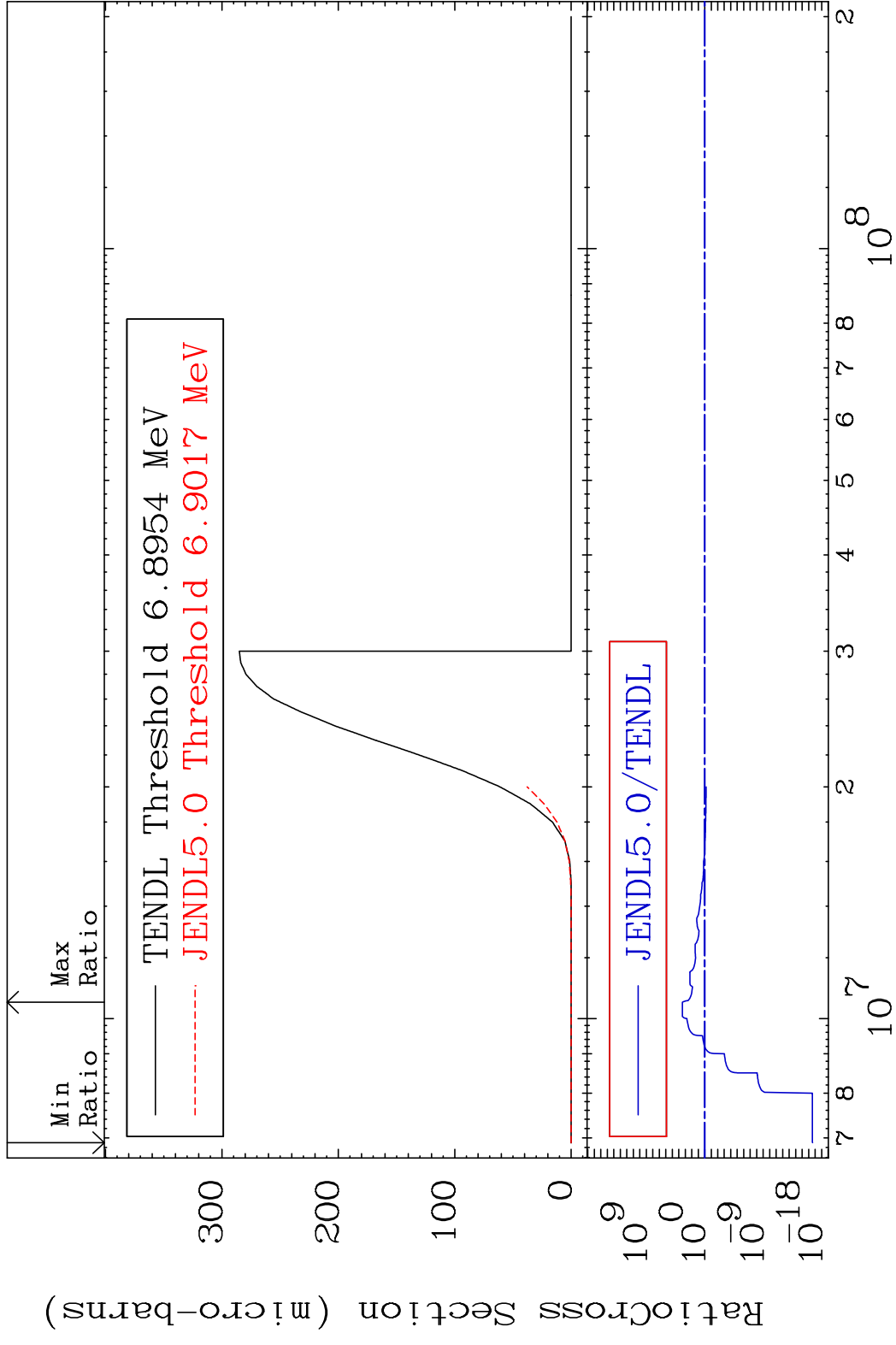
MAT 7837 (n,d):77-Ir-193m2 78-Pt-194  
 Radionuclide Production Cross Section Ratio 9999. %







MAT 7837 (n, t): 77-Ir-192m3 78-Pt-194  
 Radionuclide Production Cross Section Ratio 9999. %

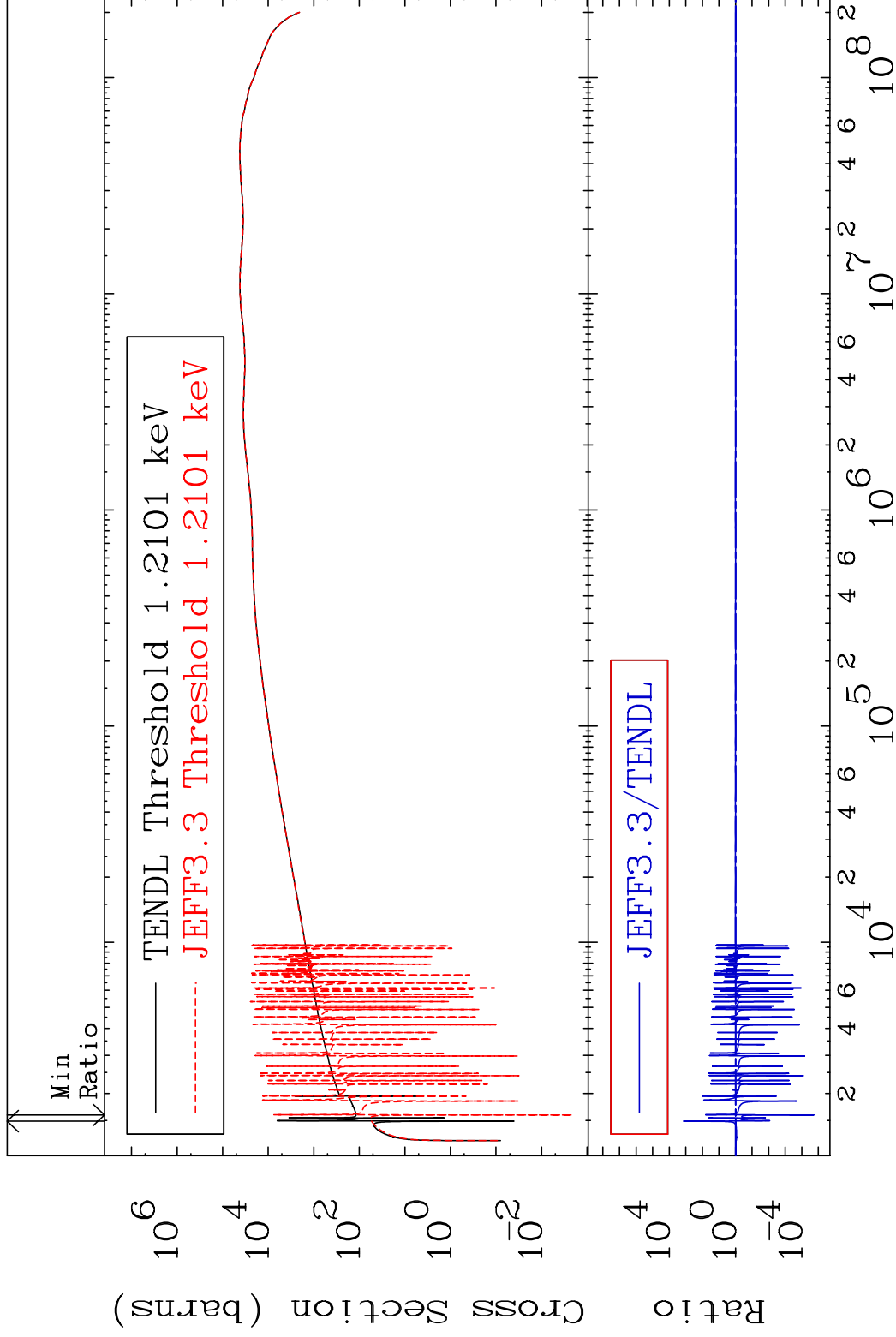


MAT 7837

Dpa elastic (mt2)

78-Pt-194

Cross Section -100.0 To 9999. %



74

Incident Energy (eV)

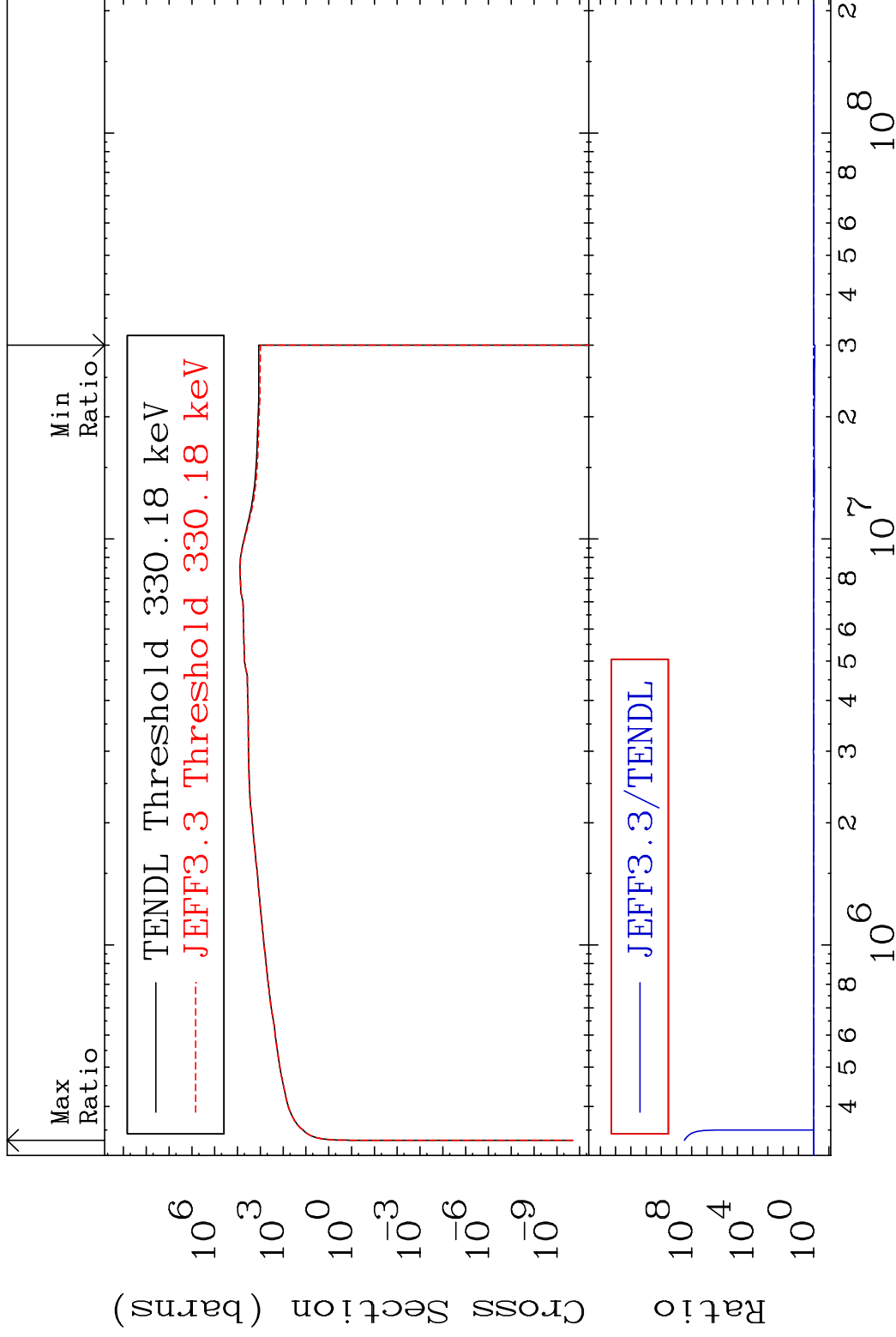
78-Pt-194

MAT 7837

Dpa inelastic (mt51-91)

78-Pt-194

Cross Section -17.27 To 9999. %

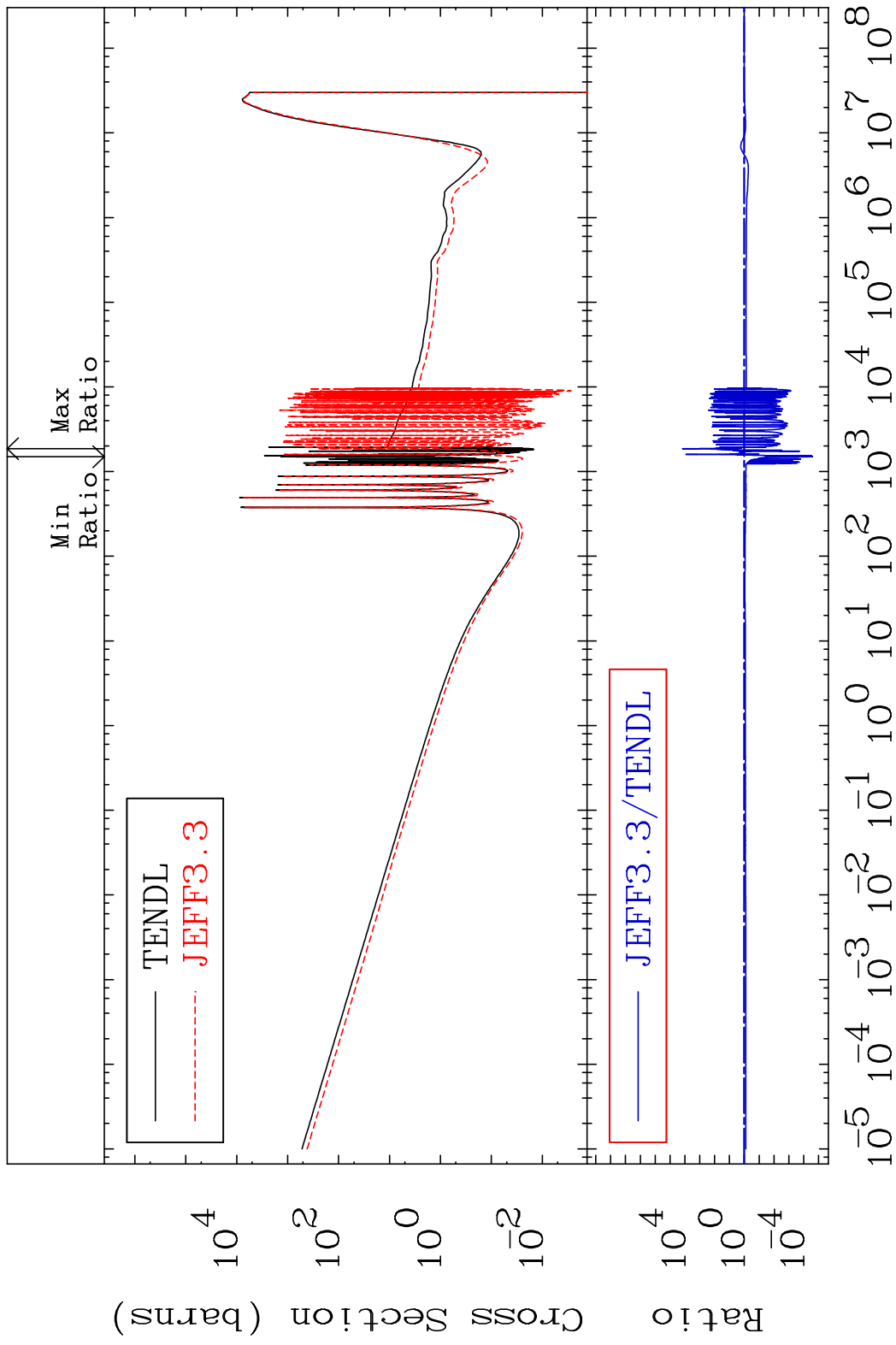


75

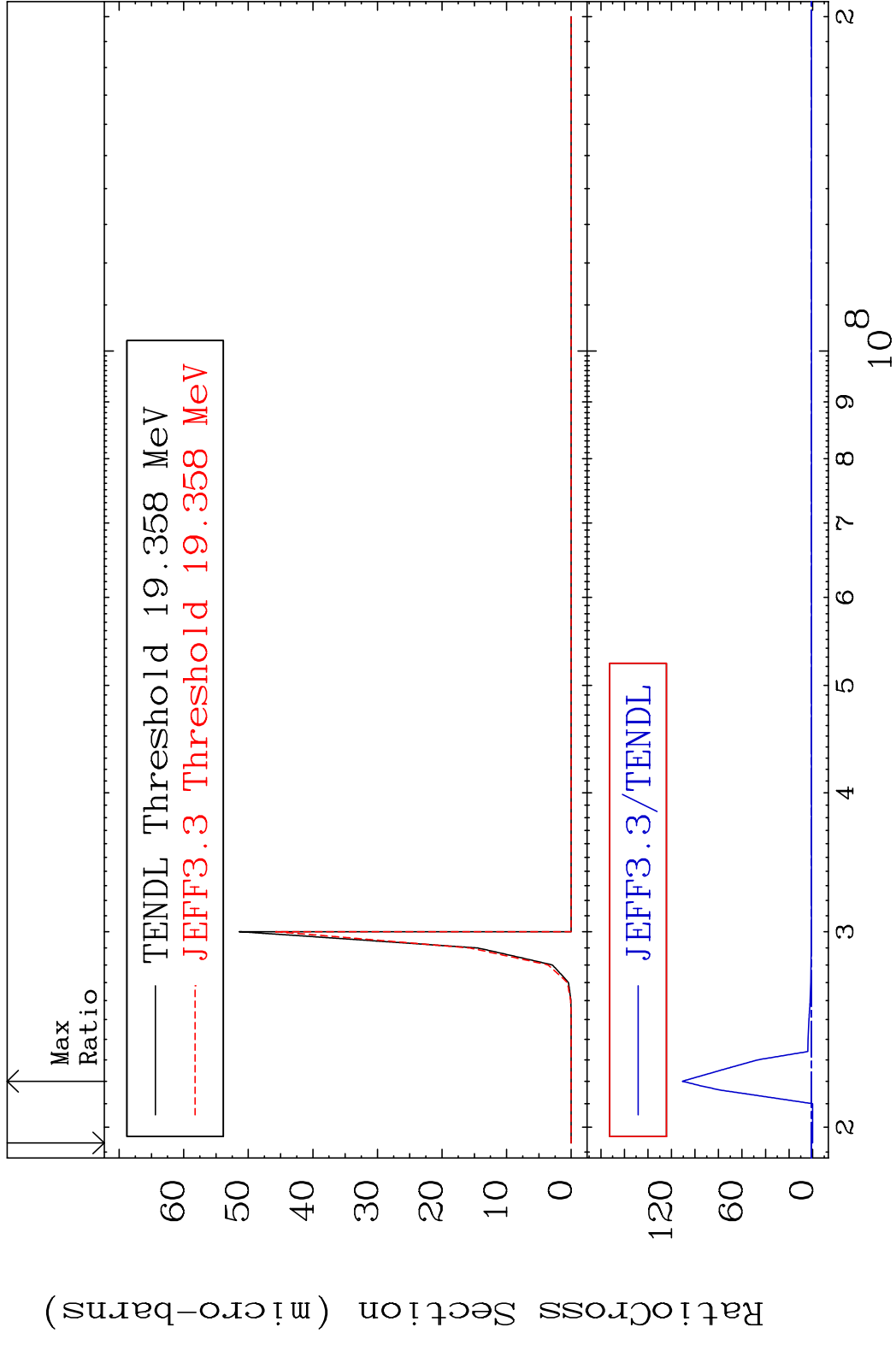
Incident Energy (eV)

78-Pt-194

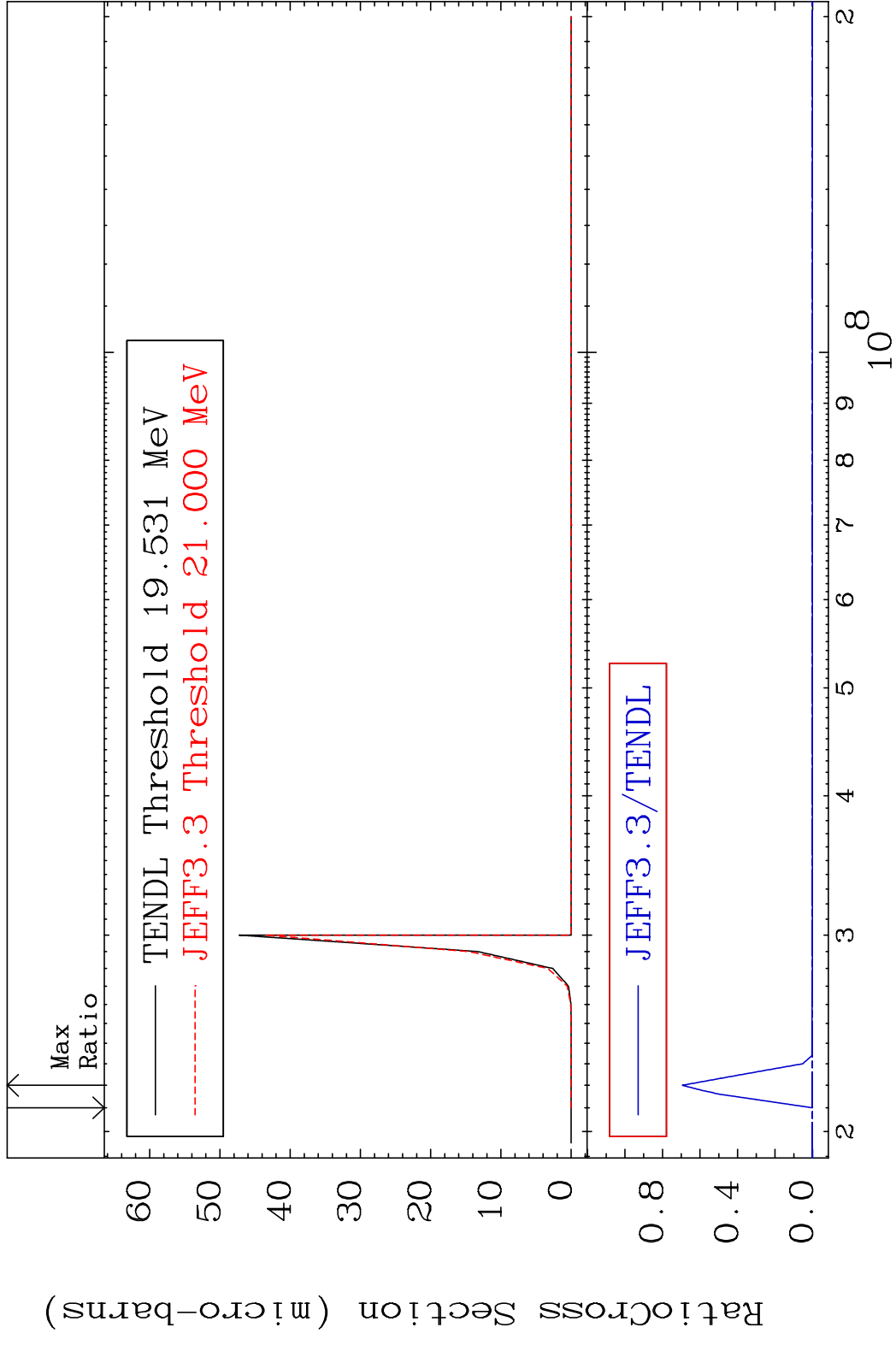
MAT 7837 Dpa disappearance (mt102 -120) 78-Pt-194  
 Cross Section -100.0 To 9999. %



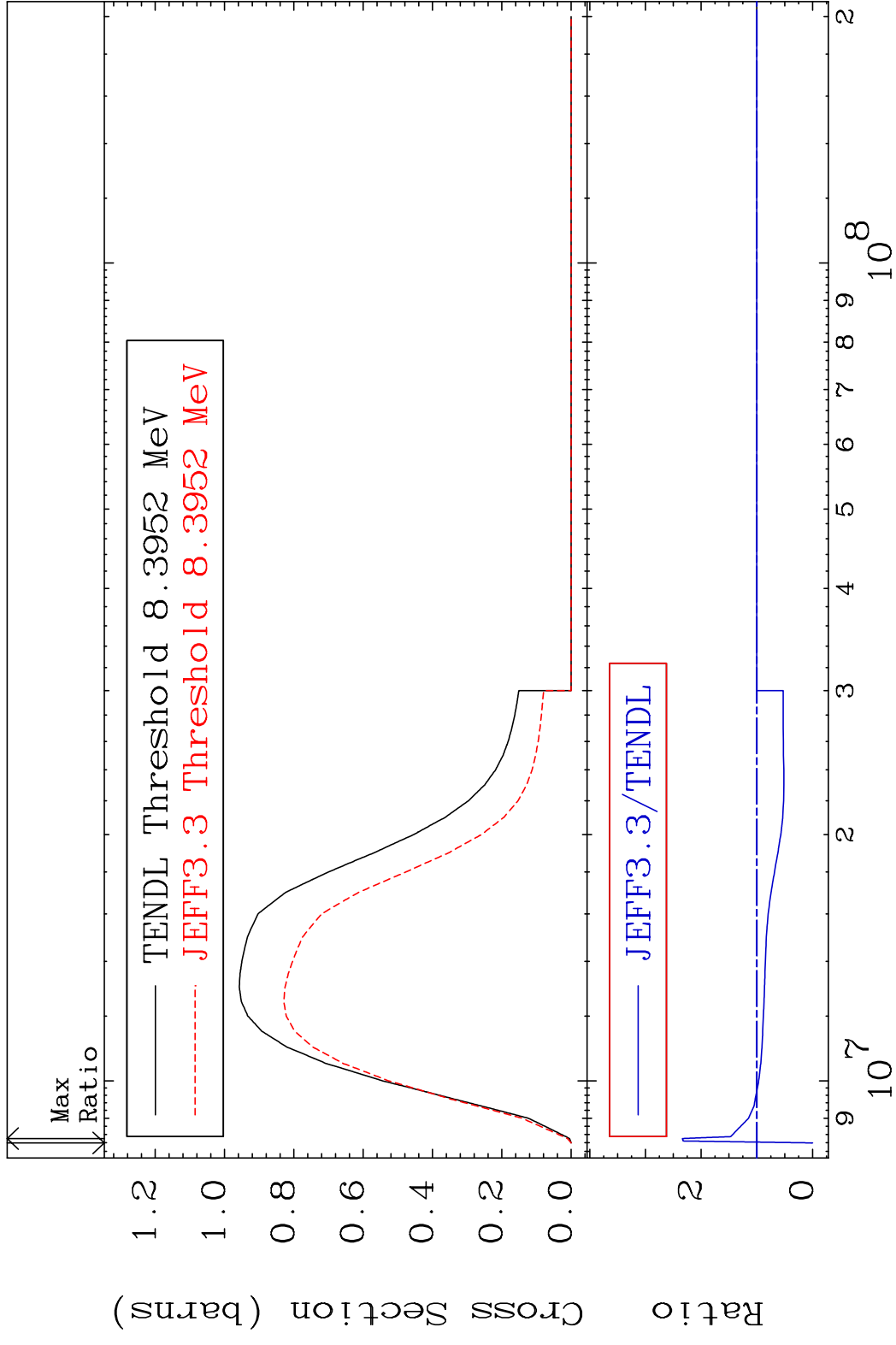
MAT 7837 (n,2n) d:77-Ir-191g 78-Pt-194  
 Radionuclide Production Cross Section (%)



77 Incident Energy (eV) 78-Pt-194



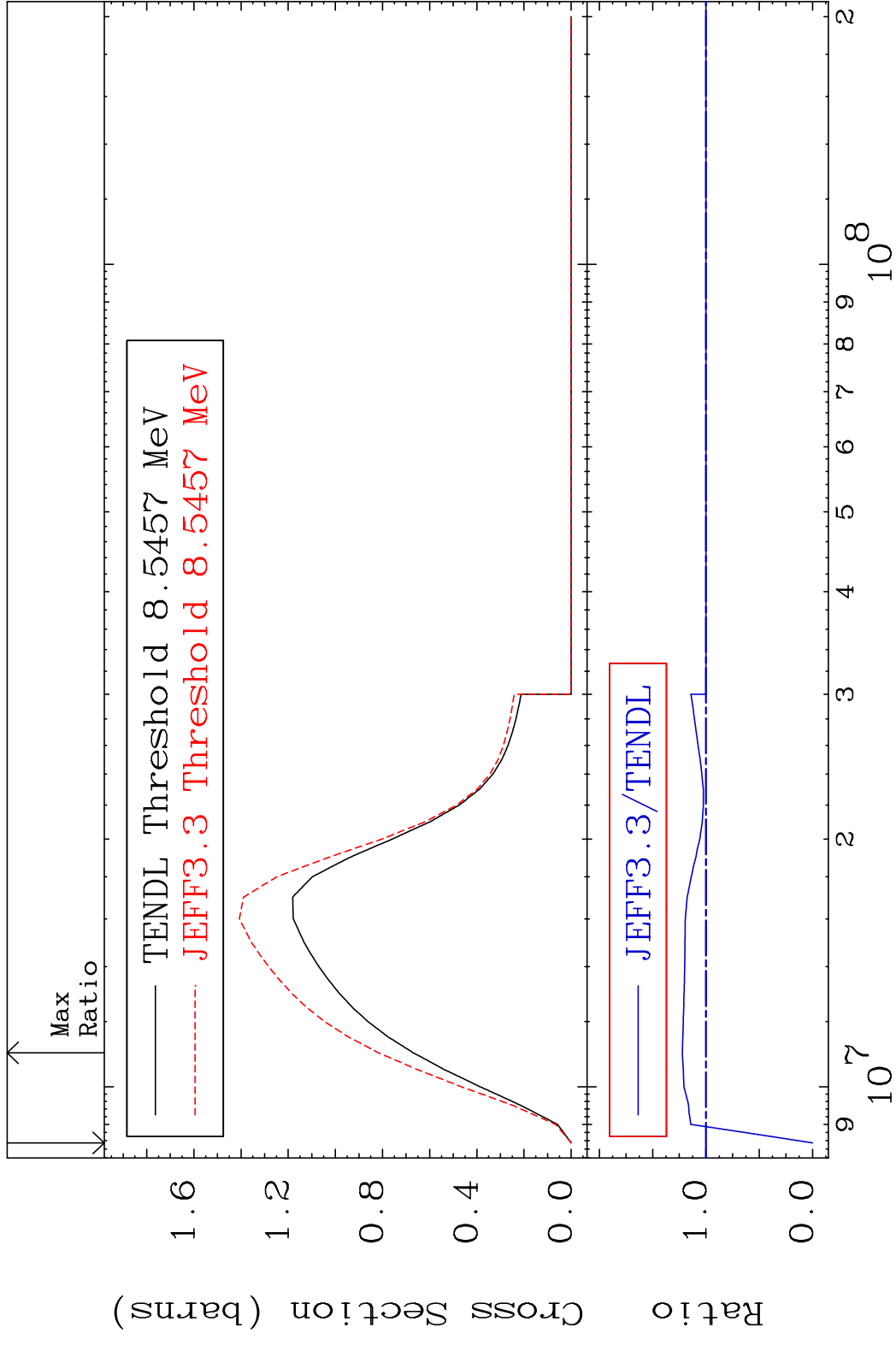
MAT 7837 (n,2n):78-Pt-193g 78-Pt-194  
 Radionuclide Production Cross Section Ratio 133.7 %



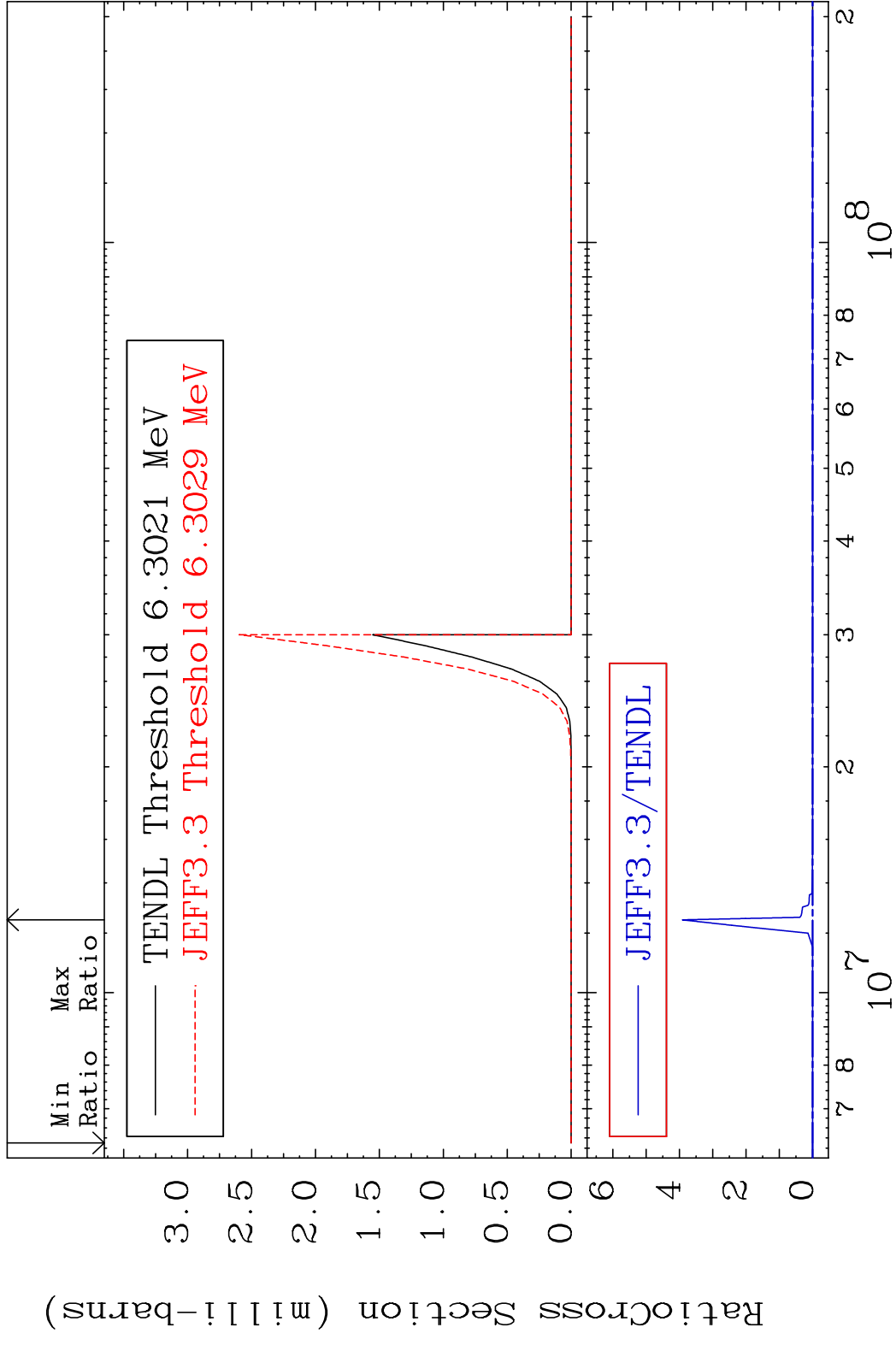
79 Incident Energy (eV) 78-Pt-194

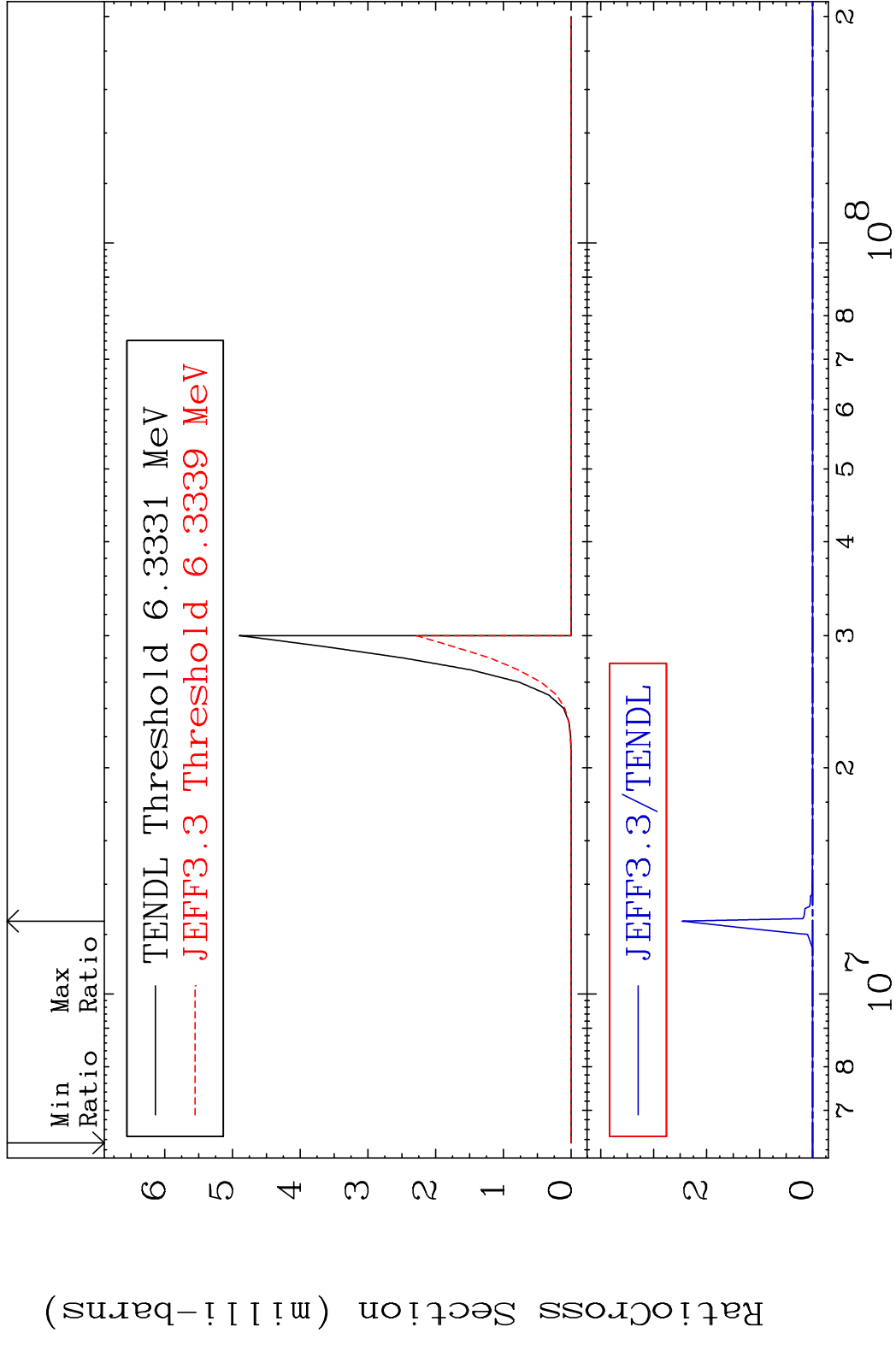


MAT 7837 (n,2n):78-Pt-193m5 78-Pt-194  
 Radionuclide Production Cross Section 180.01 dth 22.14 %

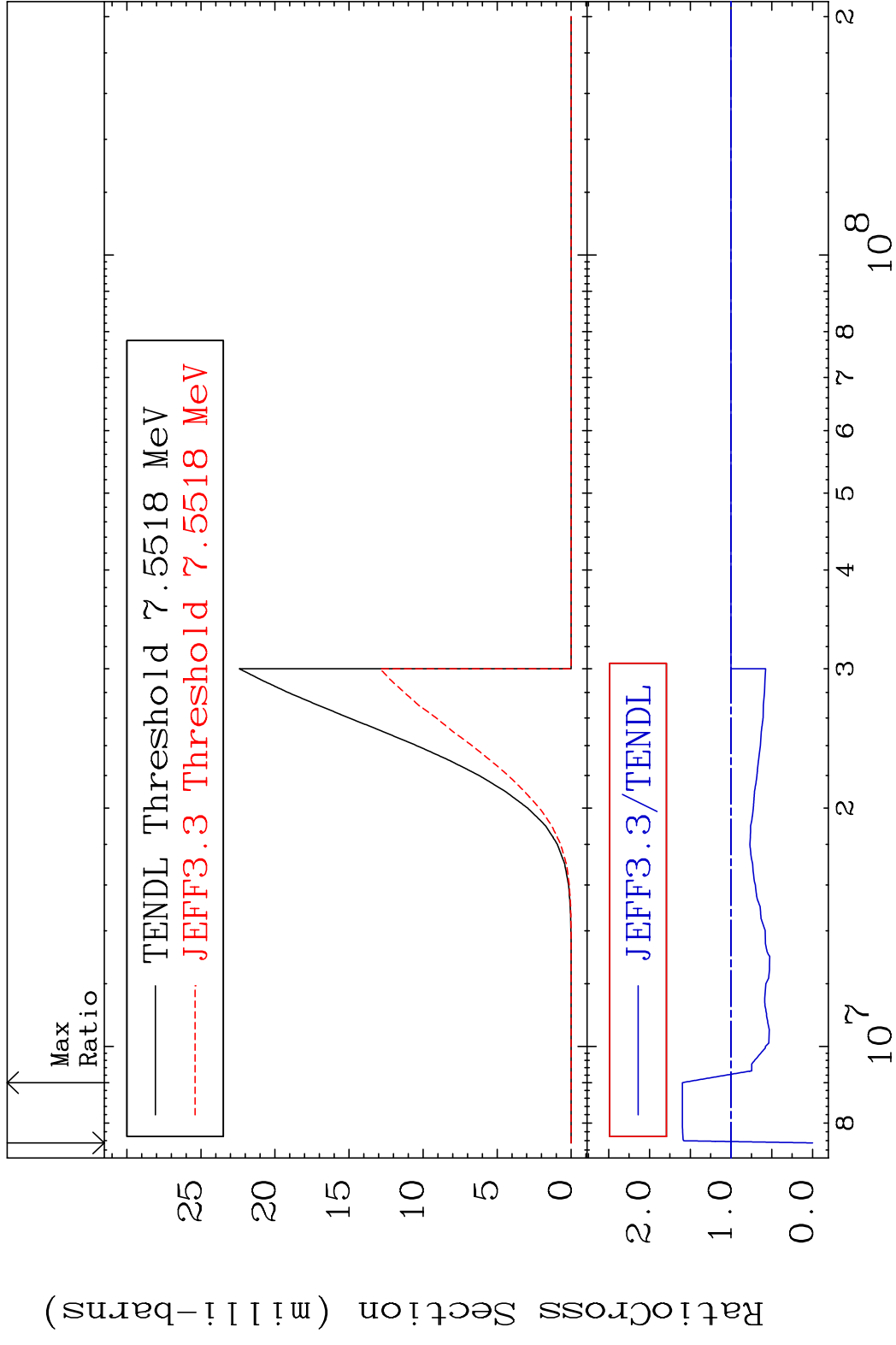


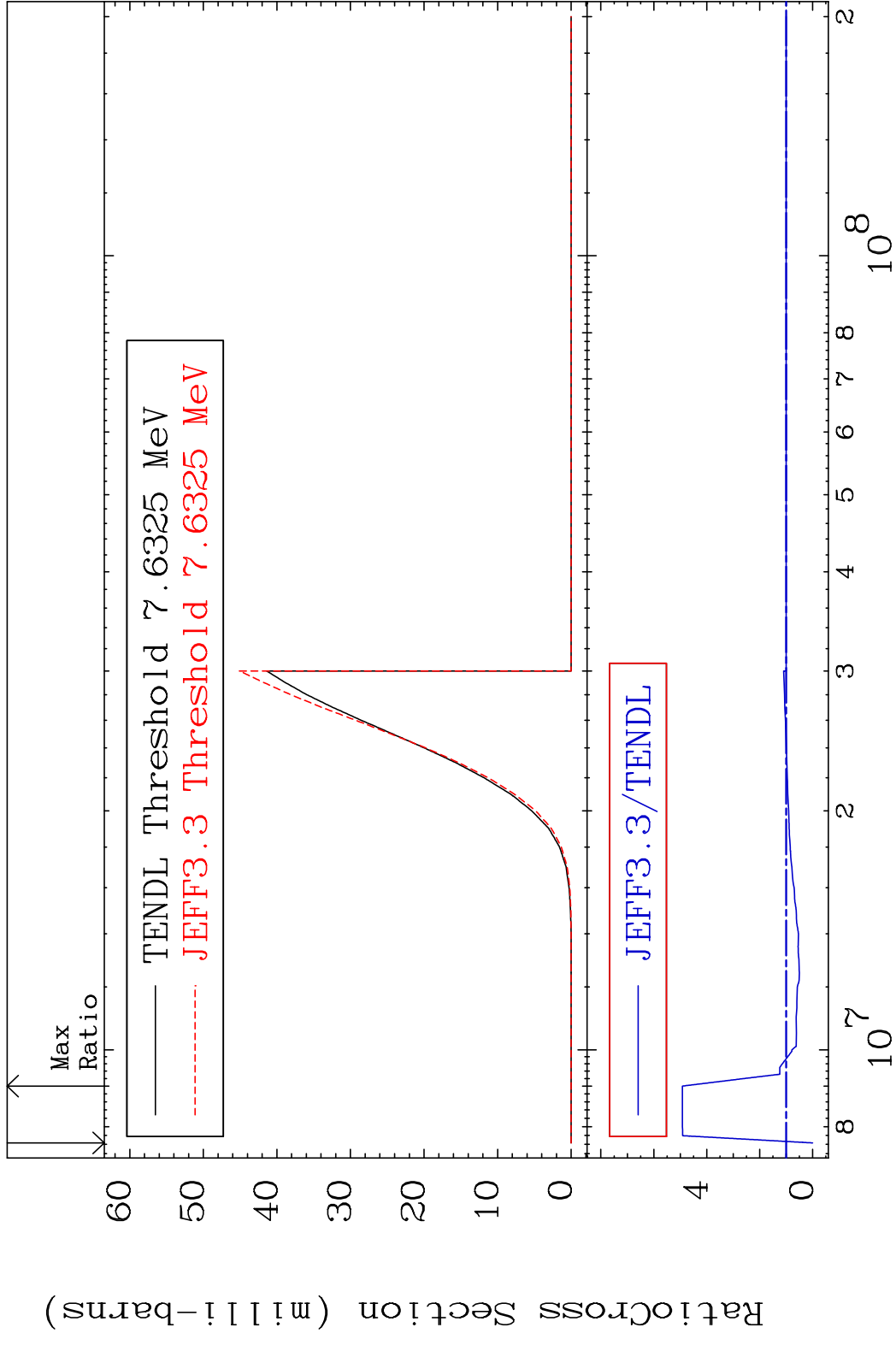
80 Incident Energy (eV) 78-Pt-194

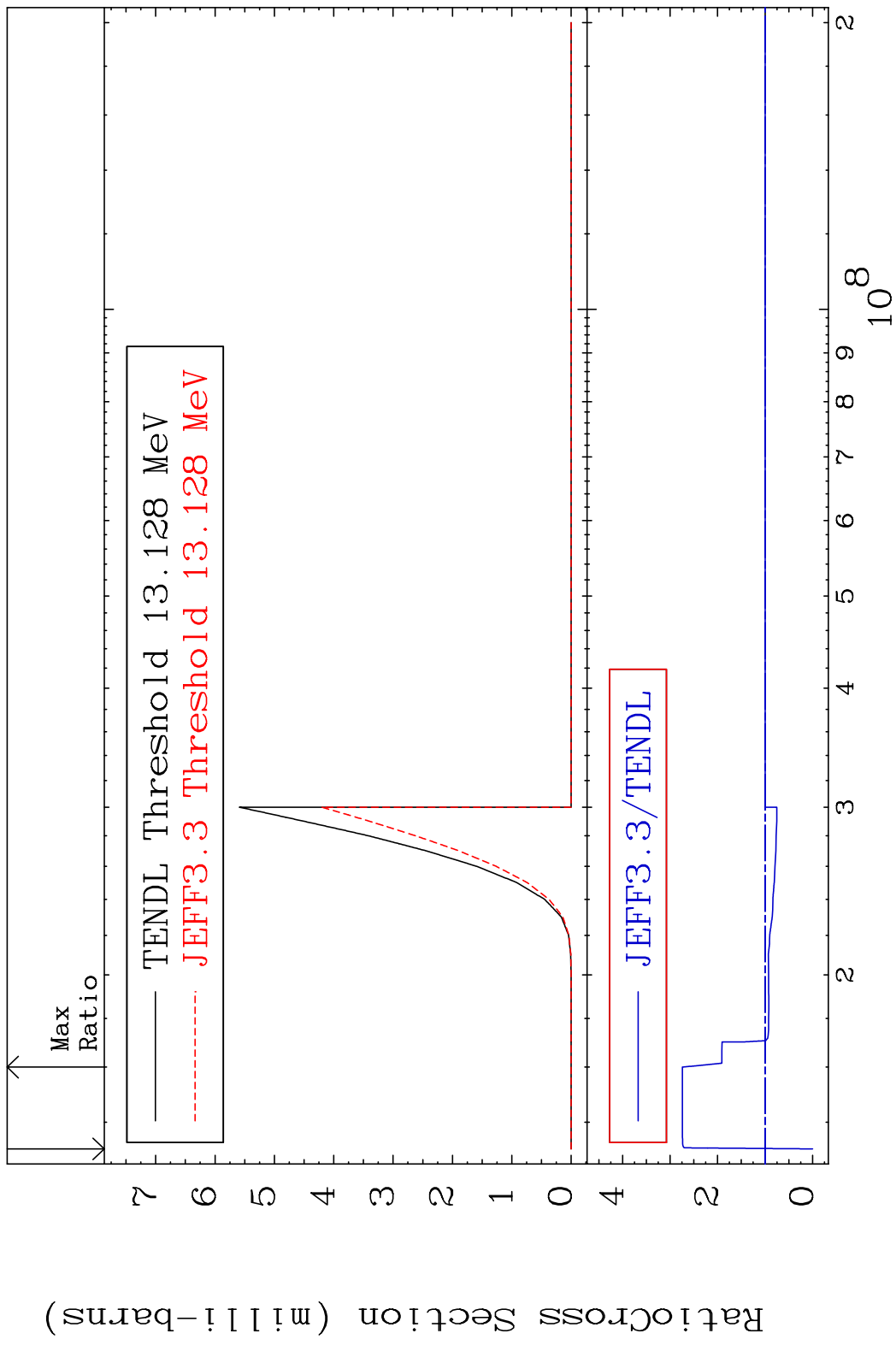


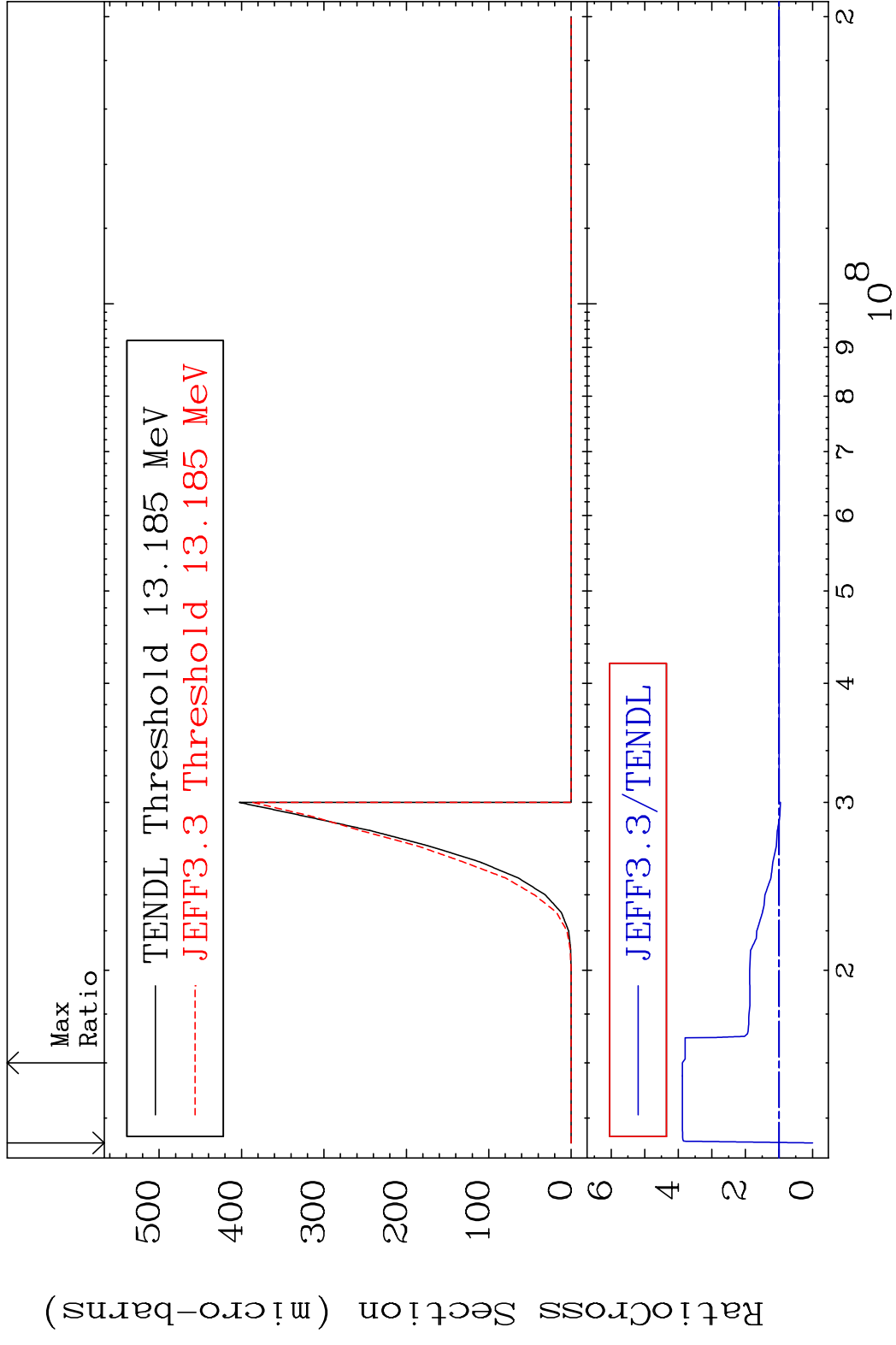


MAT 7837 (n, n') p:77-Ir-193g 78-Pt-194  
 Radionuclide Production Cross Section Ratio 59.72 %

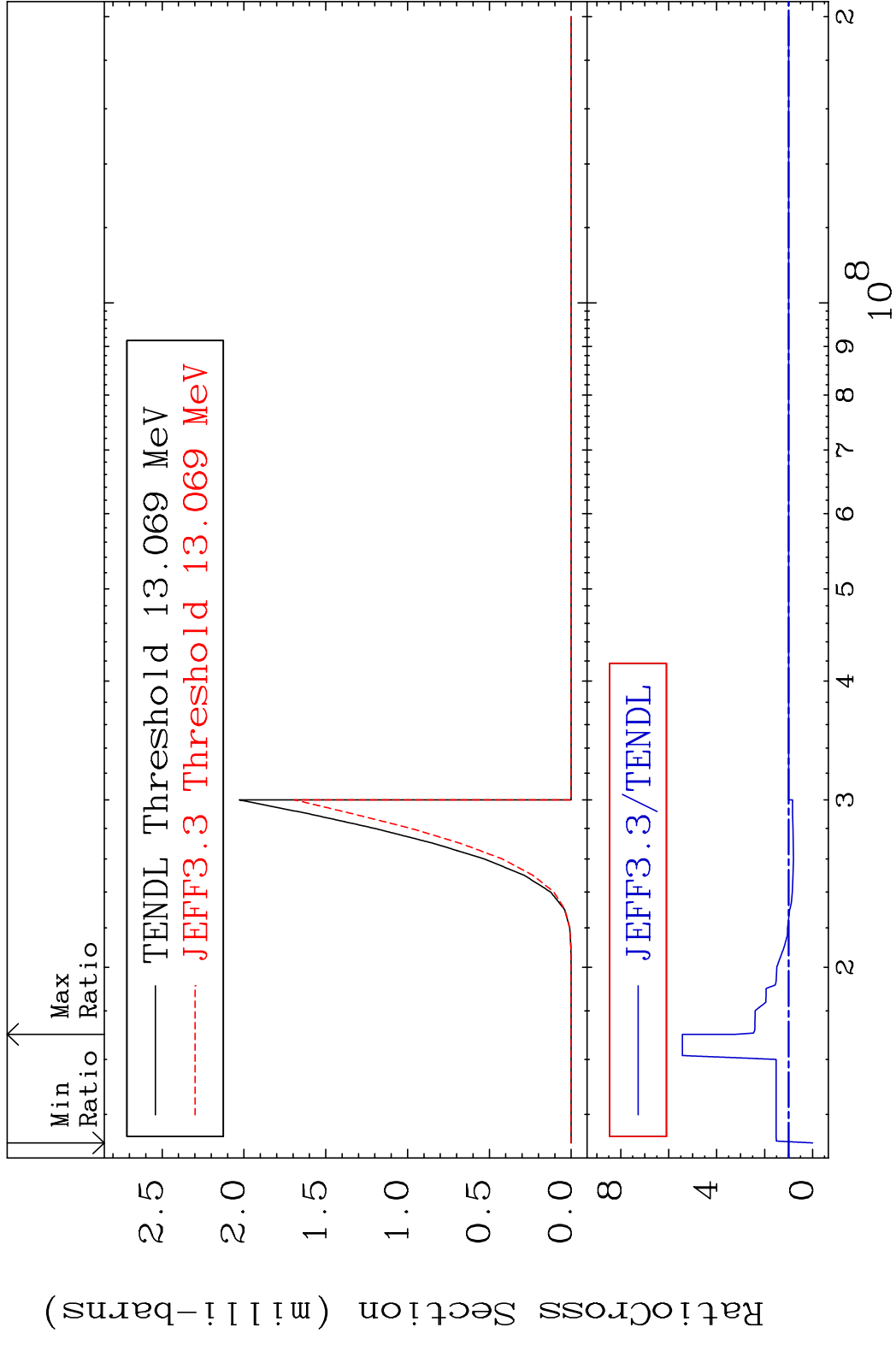




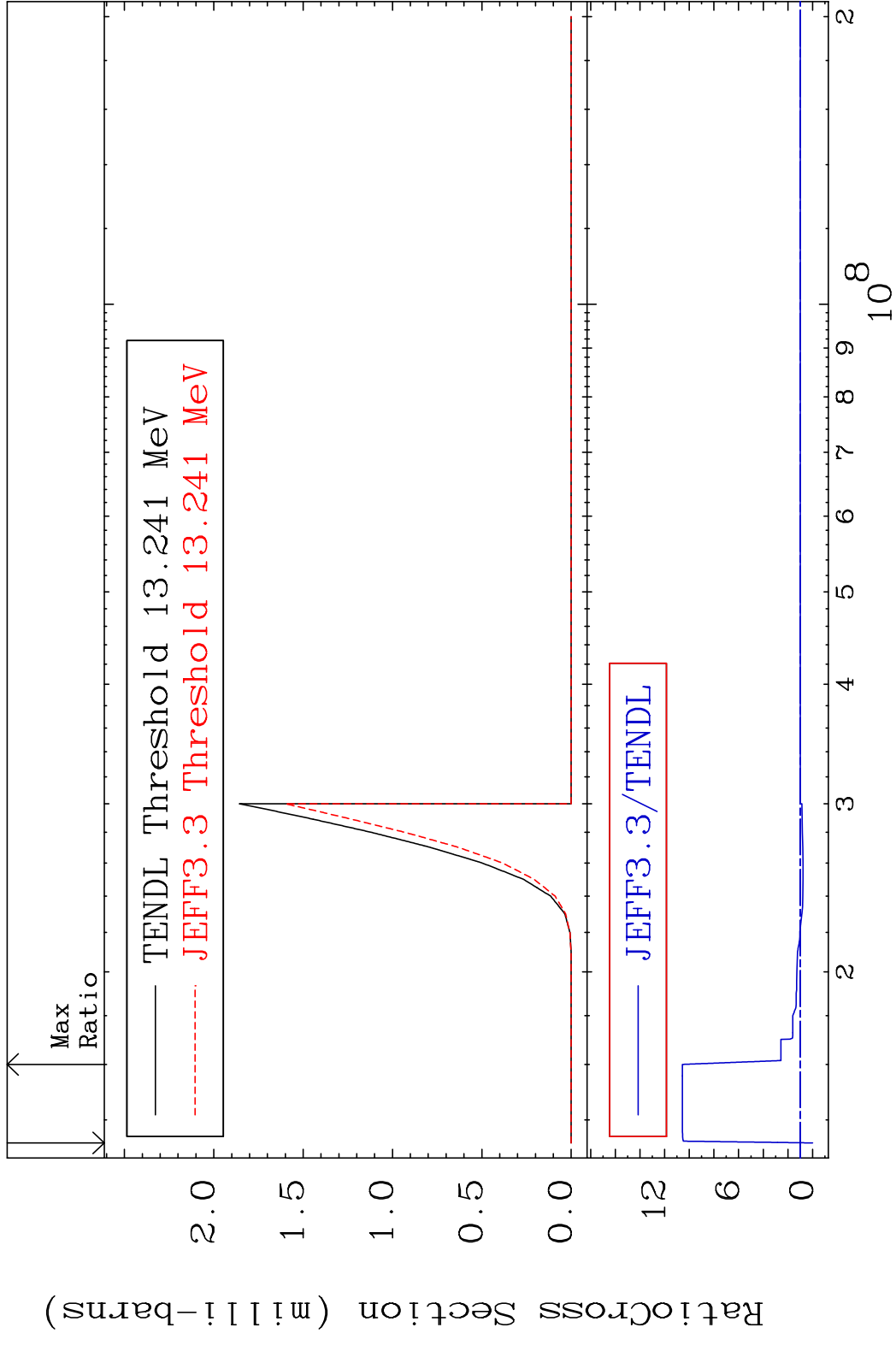




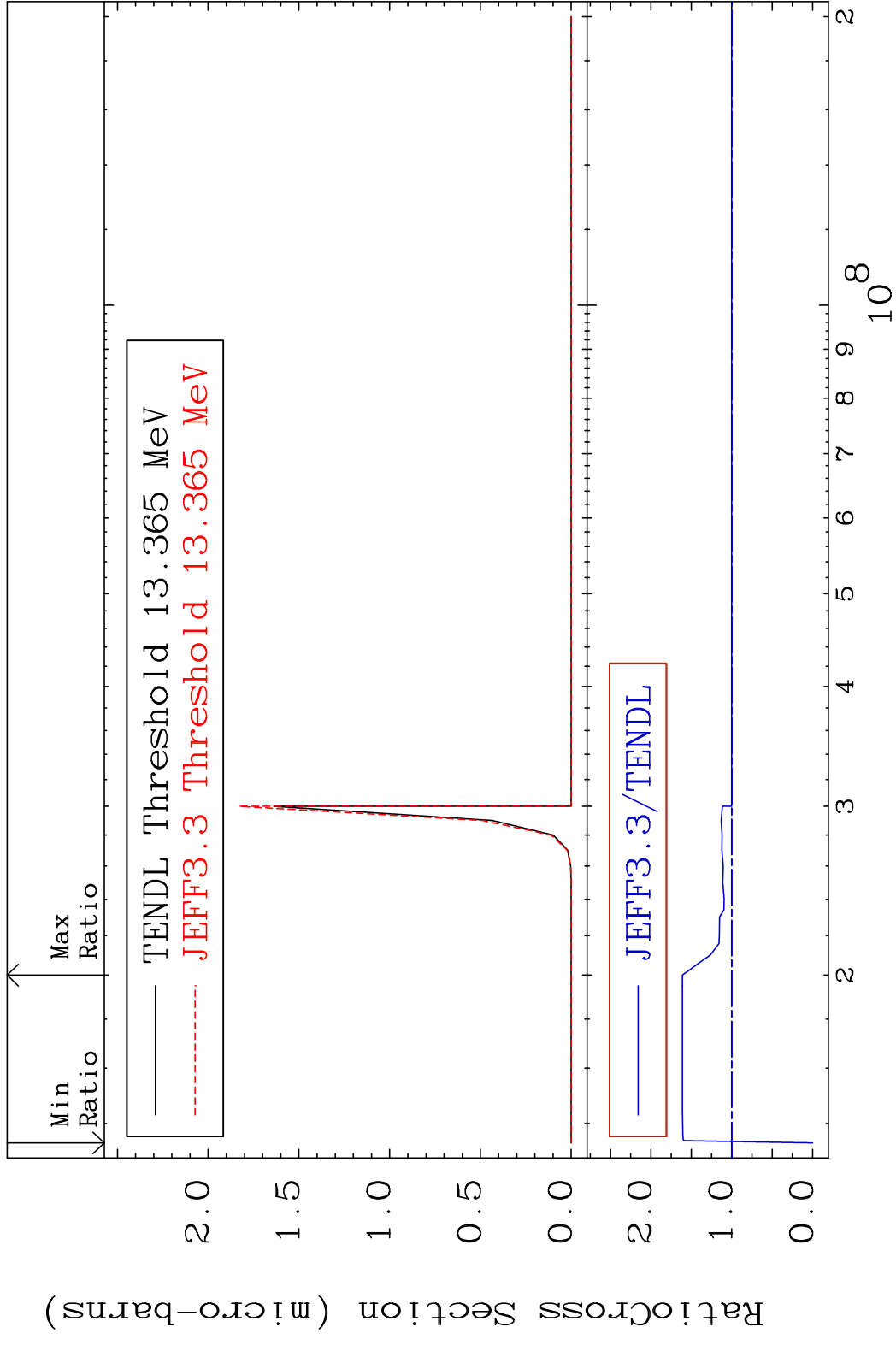
MAT 7837 (n, n') t:77-Ir-191g 78-Pt-194  
 Radionuclide Production Cross Section 443.2 %



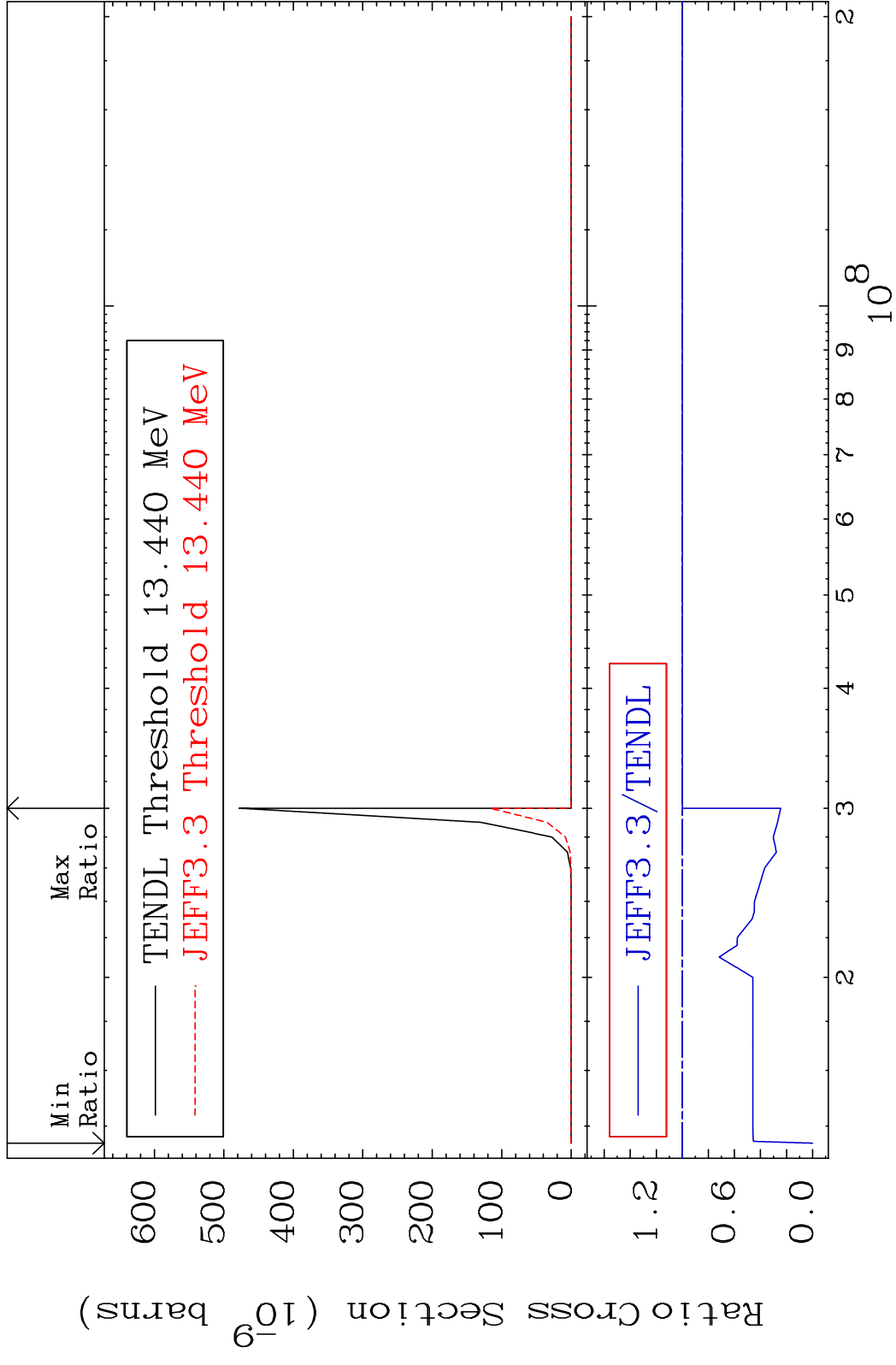


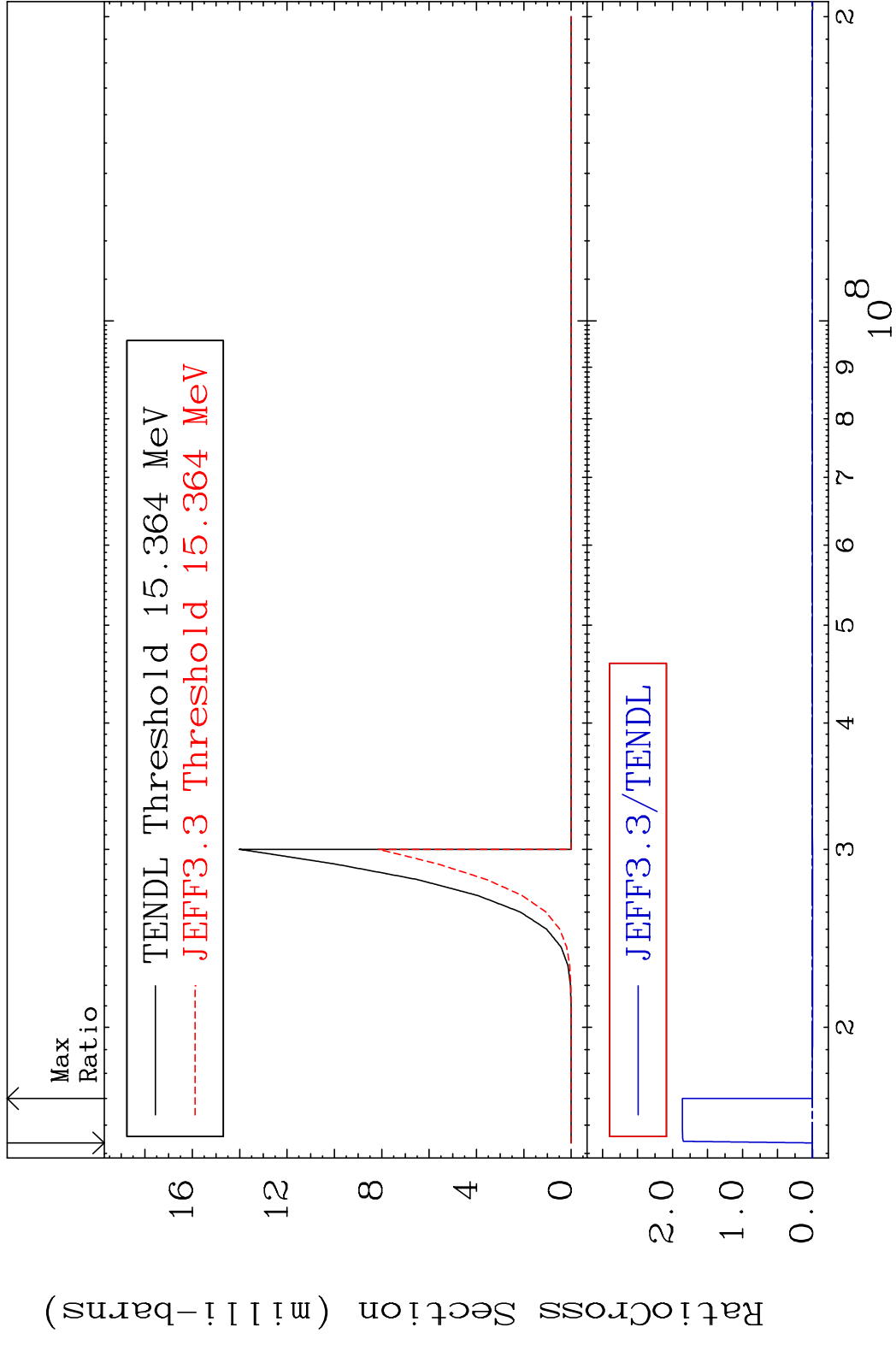


MAT 7837 (n, n') He-3:76-0s-191g 78-Pt-194  
 Radionuclide Production Cross Section 61.10 %

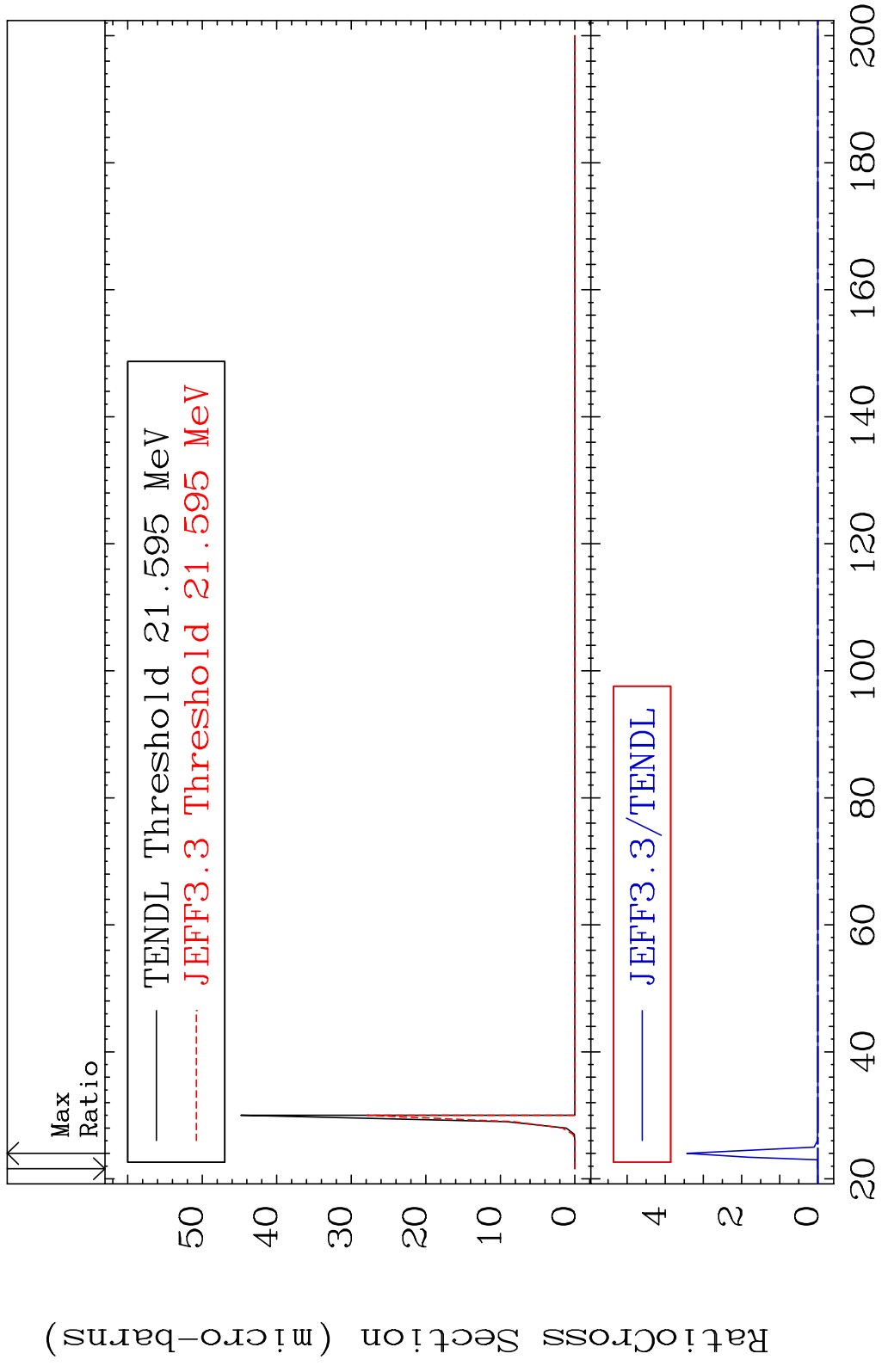


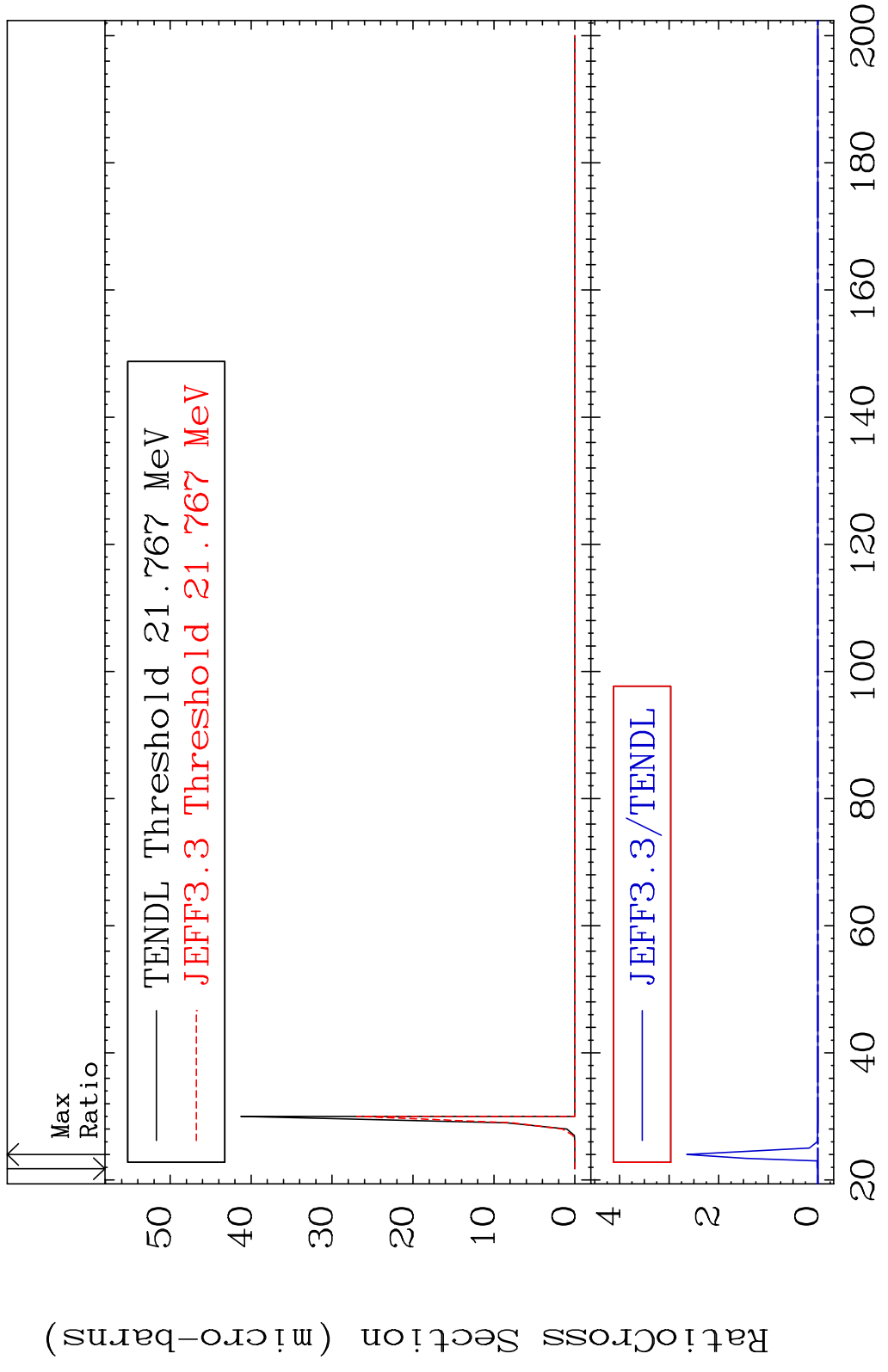
MAT 7837 (n, n') He-3:76-0s-191m1 78-Pt-194  
 Radionuclide Production Cross Section Ratio 0.000 %



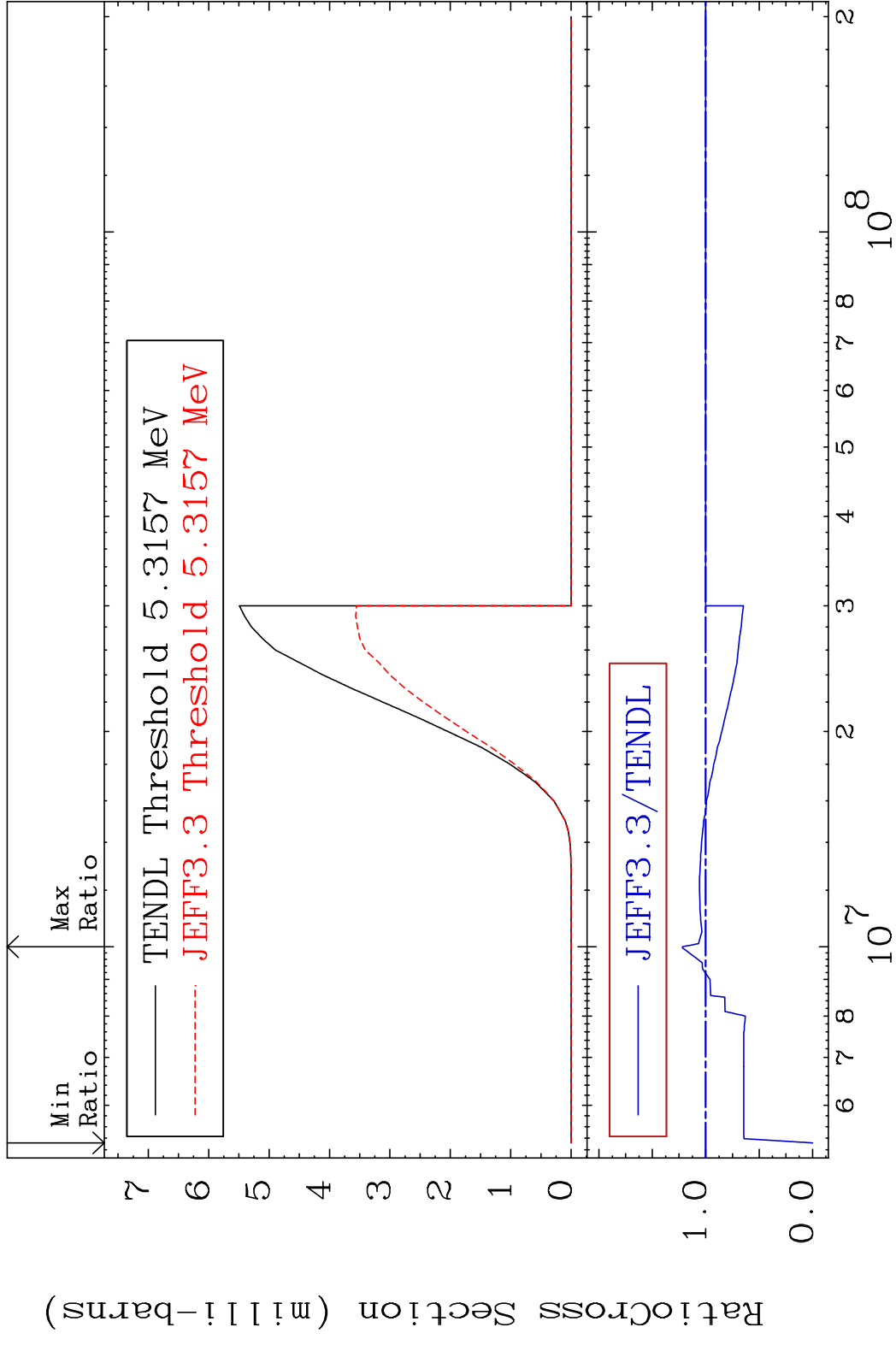






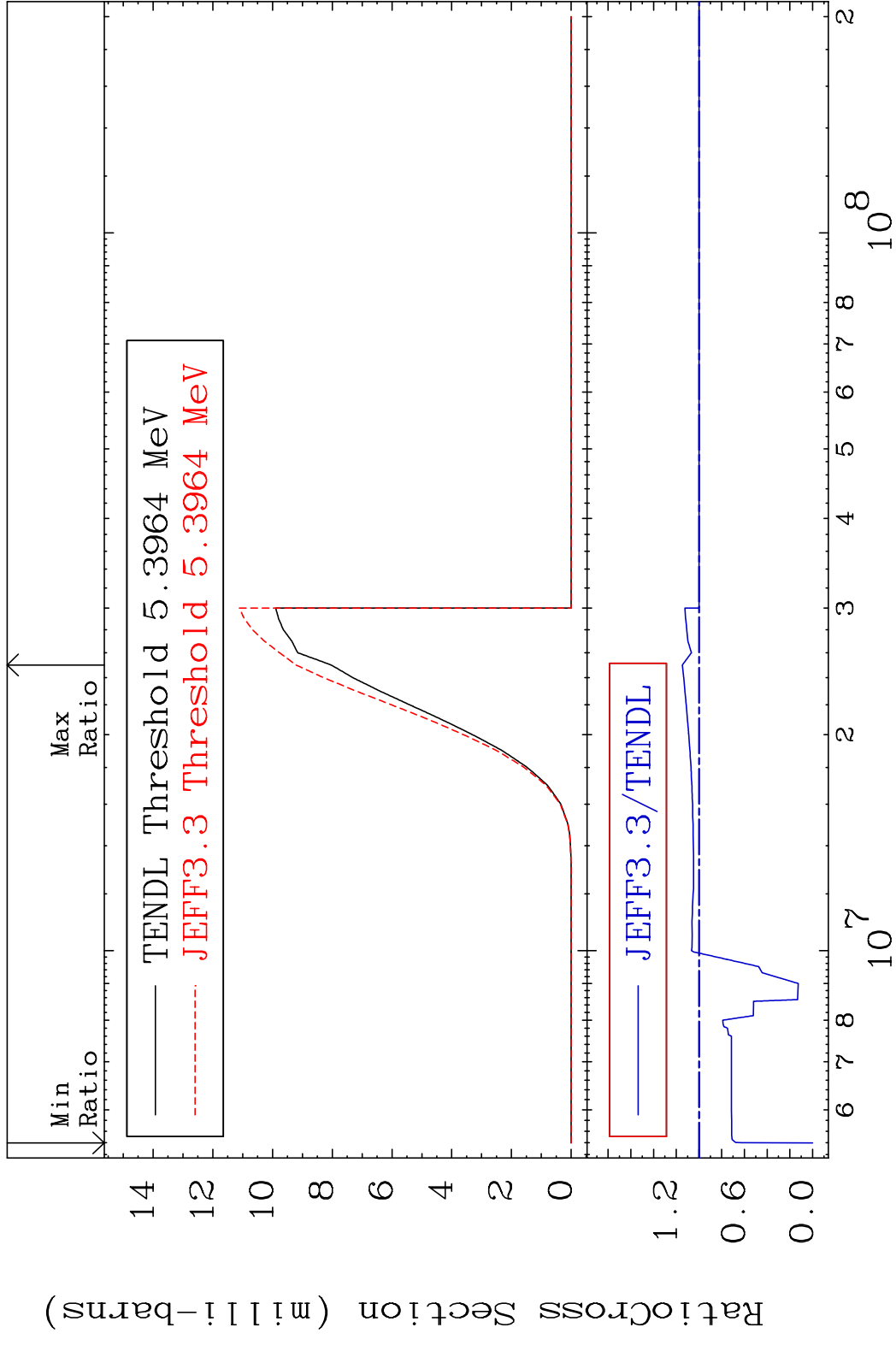


MAT 7837 (n,d):77-Ir-193g 78-Pt-194  
 Radionuclide Production Cross Section 180.01 dth 21.90 %

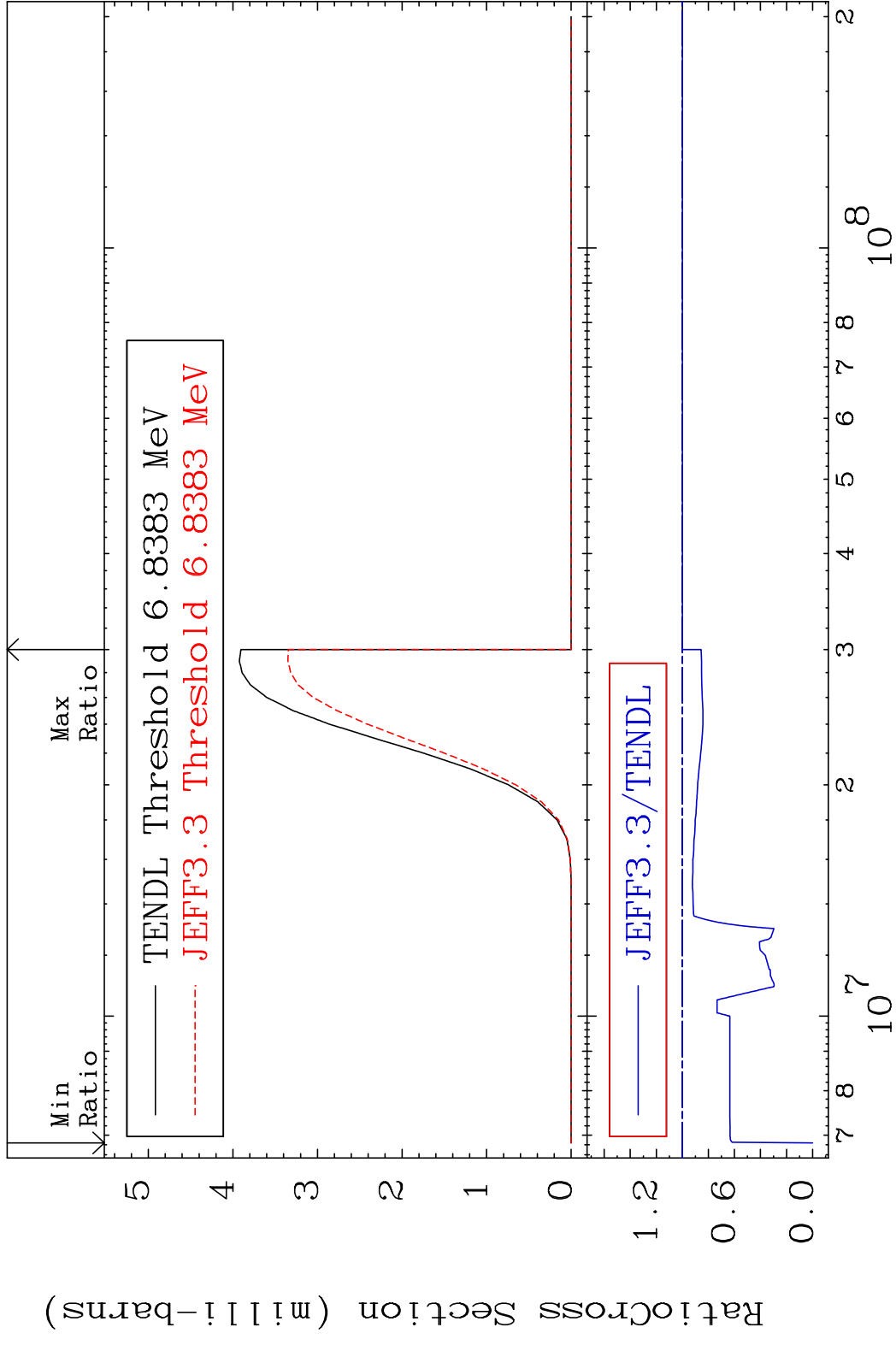




MAT 7837 (n, d): 77-Ir-193m2 78-Pt-194  
 Radionuclide Production Cross Section 180.01 dth 14.64 %



MAT 7837 (n,t):77-Ir-192g 78-Pt-194  
 Radionuclide Production Cross Section 180.01 dth 0.000 %



MAT 7837 (n, t): 77-Ir-192m3 78-Pt-194  
 Radionuclide Production Cross Section 100.00 % 93.90 %

