

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  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

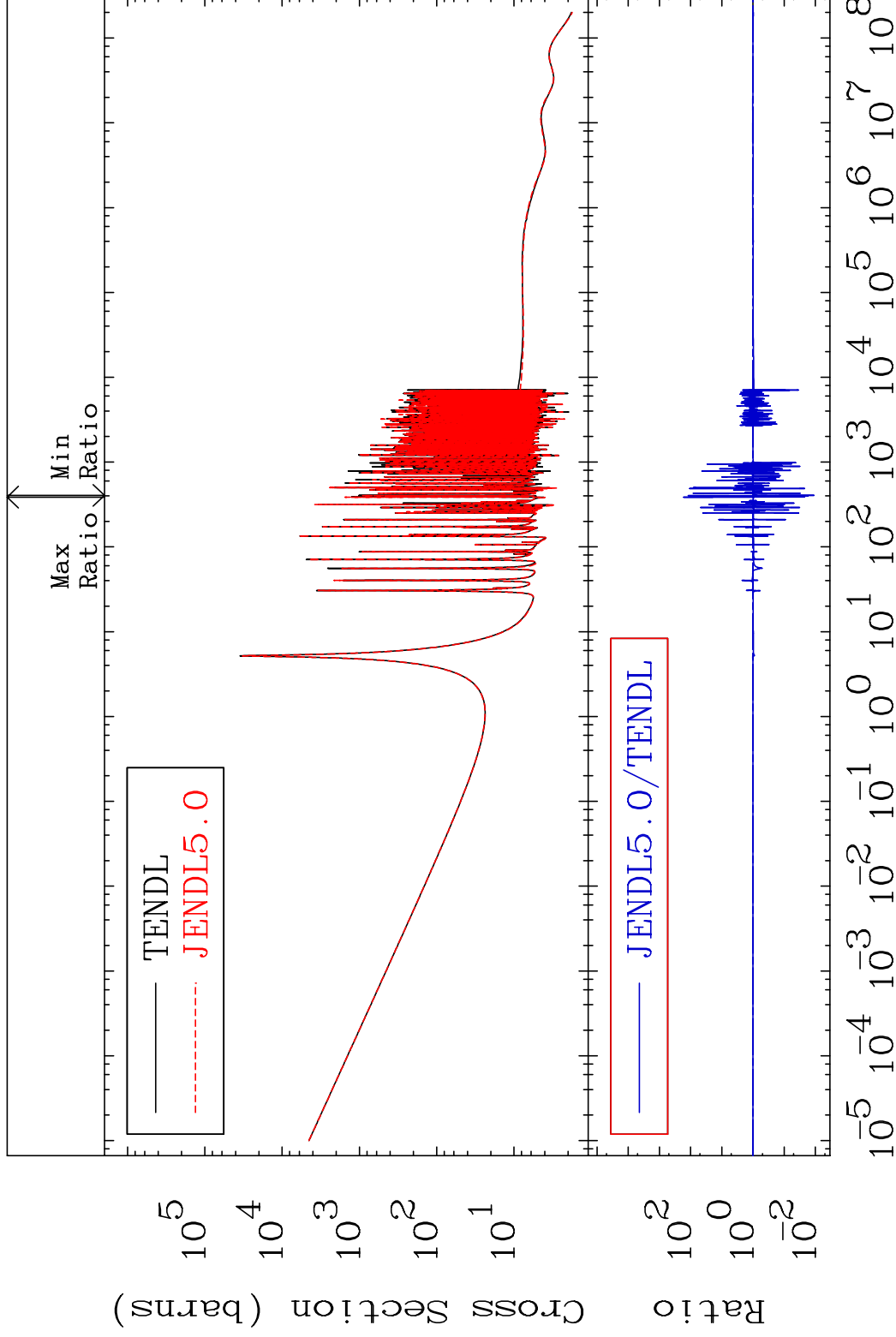
MAT 4731

Total

47-Ag-109

Cross Section

-98.90 To 9999. %



1

Incident Energy (eV)

47-Ag-109

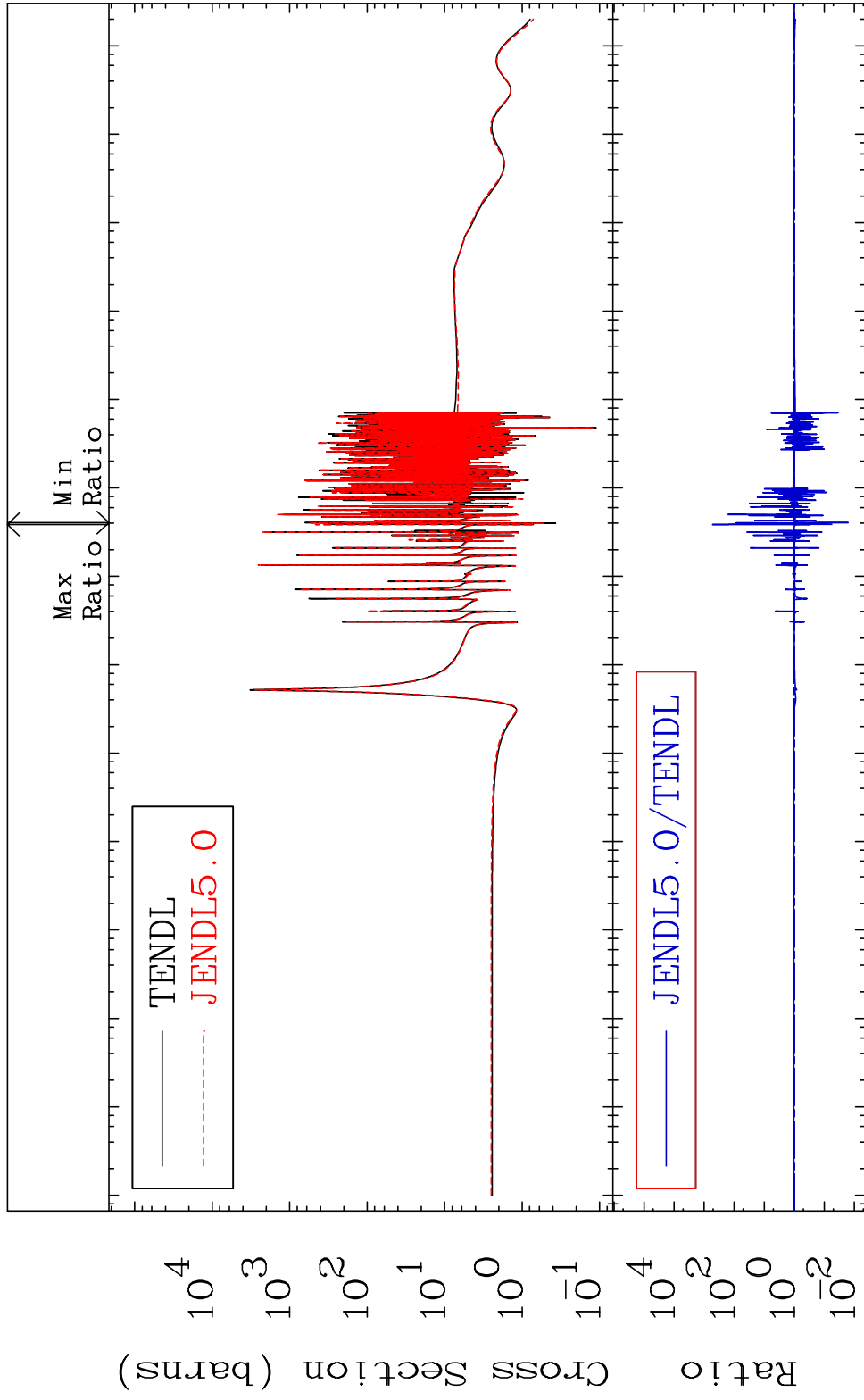
MAT 4731

Elastic

47-Ag-109

Cross Section

-98.42 To 9999. %

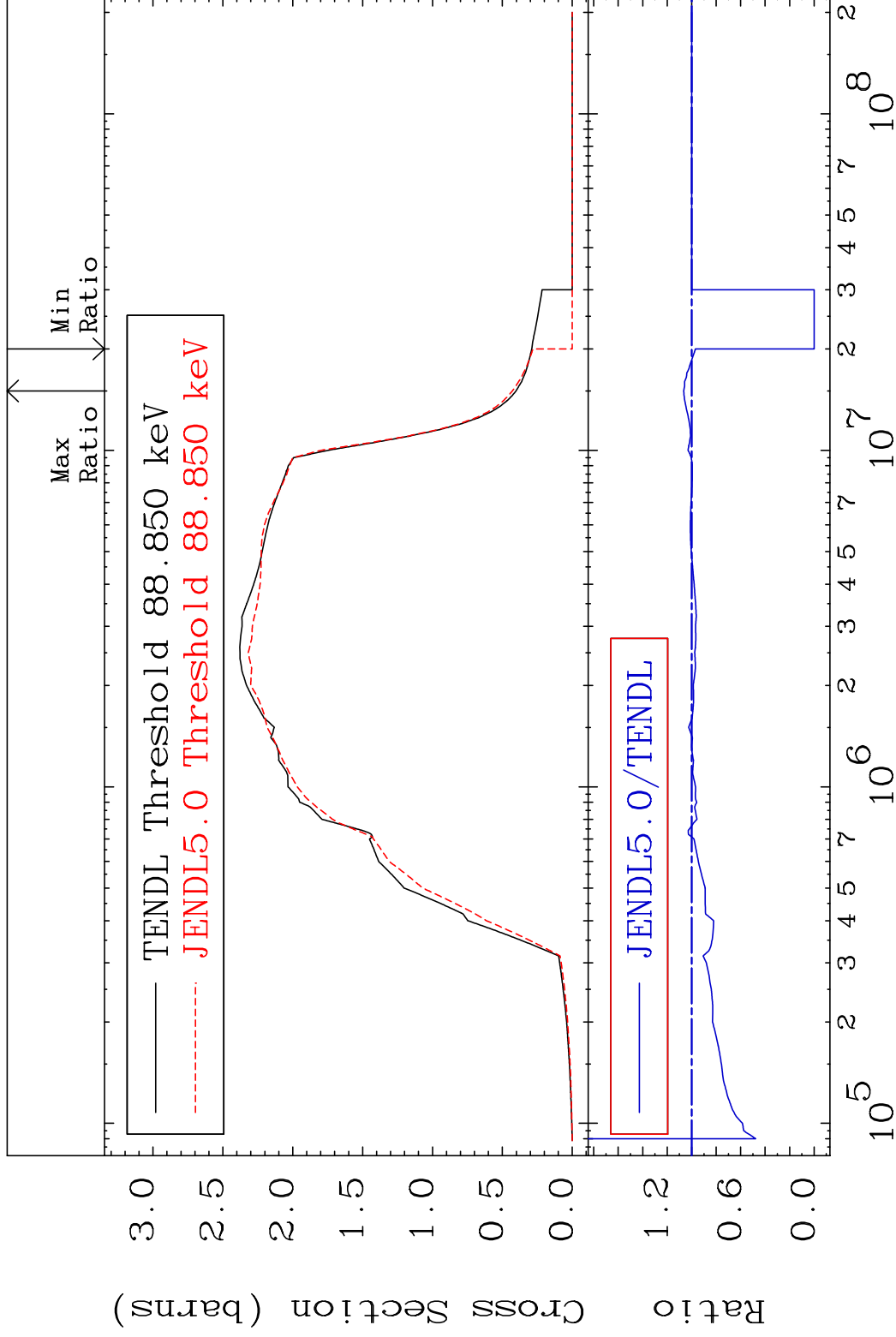


MAT 4731

Inelastic

47-Ag-109

Cross Section -100.0 To 6.550 %



3

Incident Energy (eV)

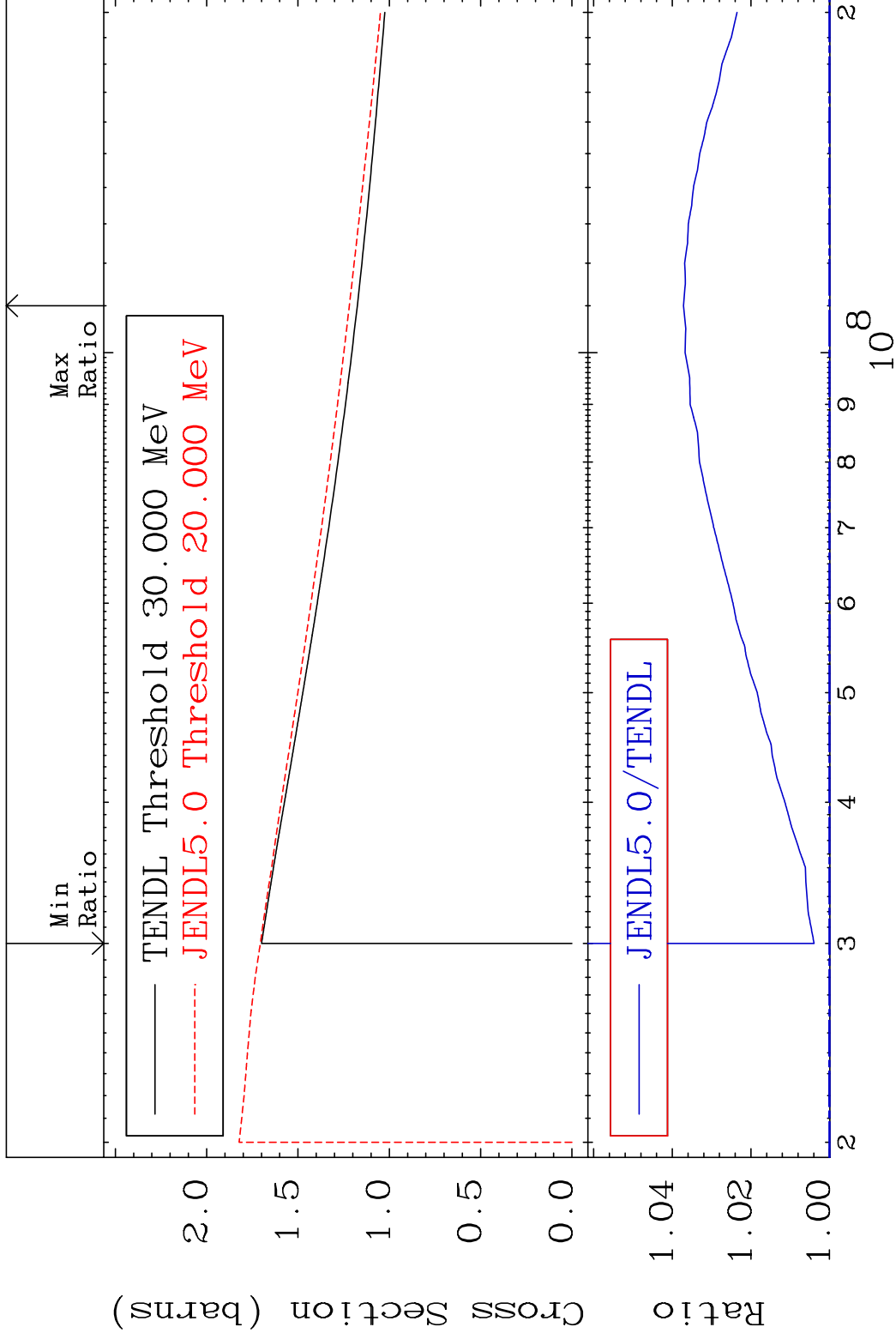
47-Ag-109

MAT 4731

(n, remainder)

47-Ag-109

Cross Section 0.394 To 3.716 %



4

Incident Energy (eV)

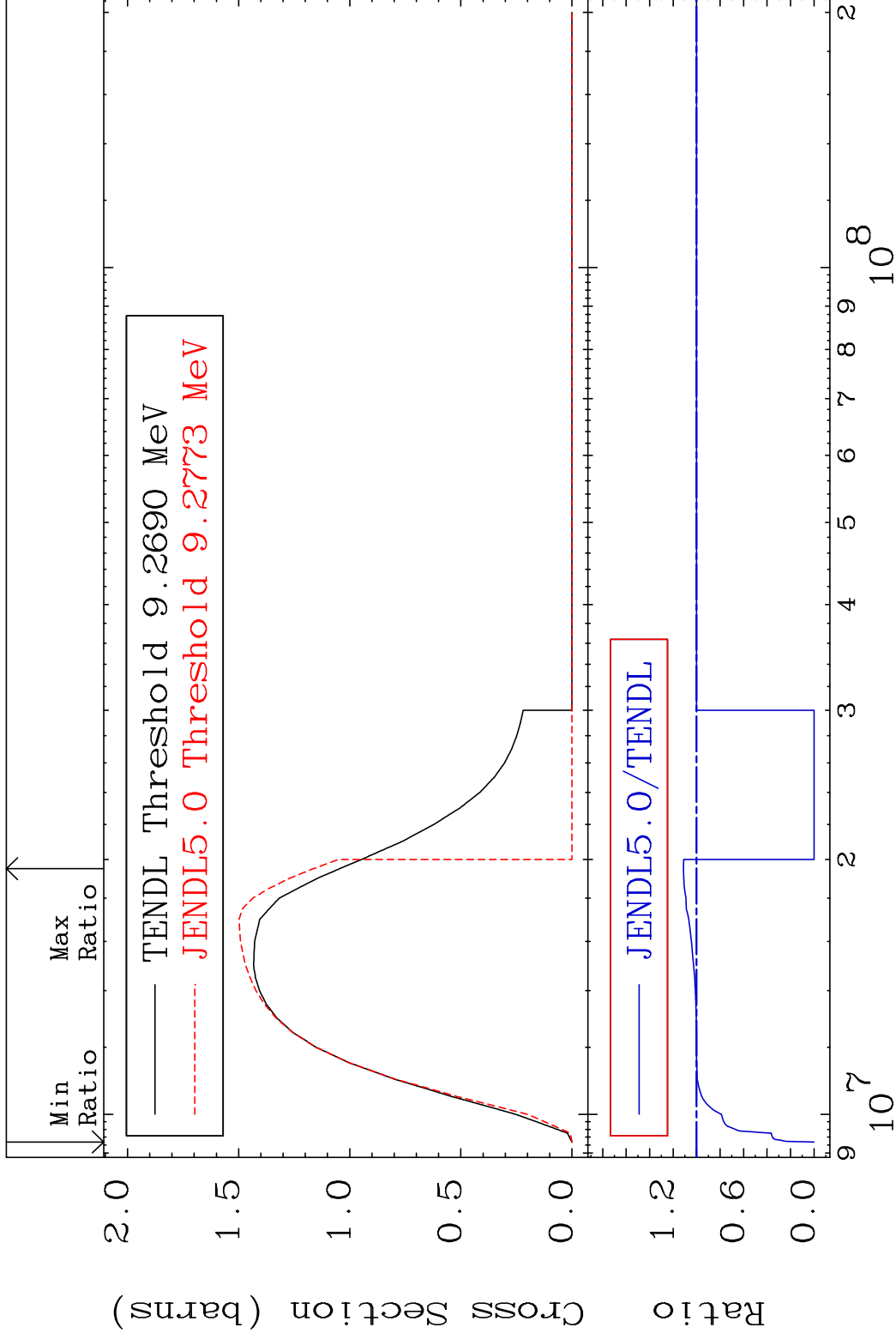
47-Ag-109

MAT 4731

(n,2n)

47-Ag-109

Cross Section -100.0 To 11.22 %



5

Incident Energy (eV)

47-Ag-109

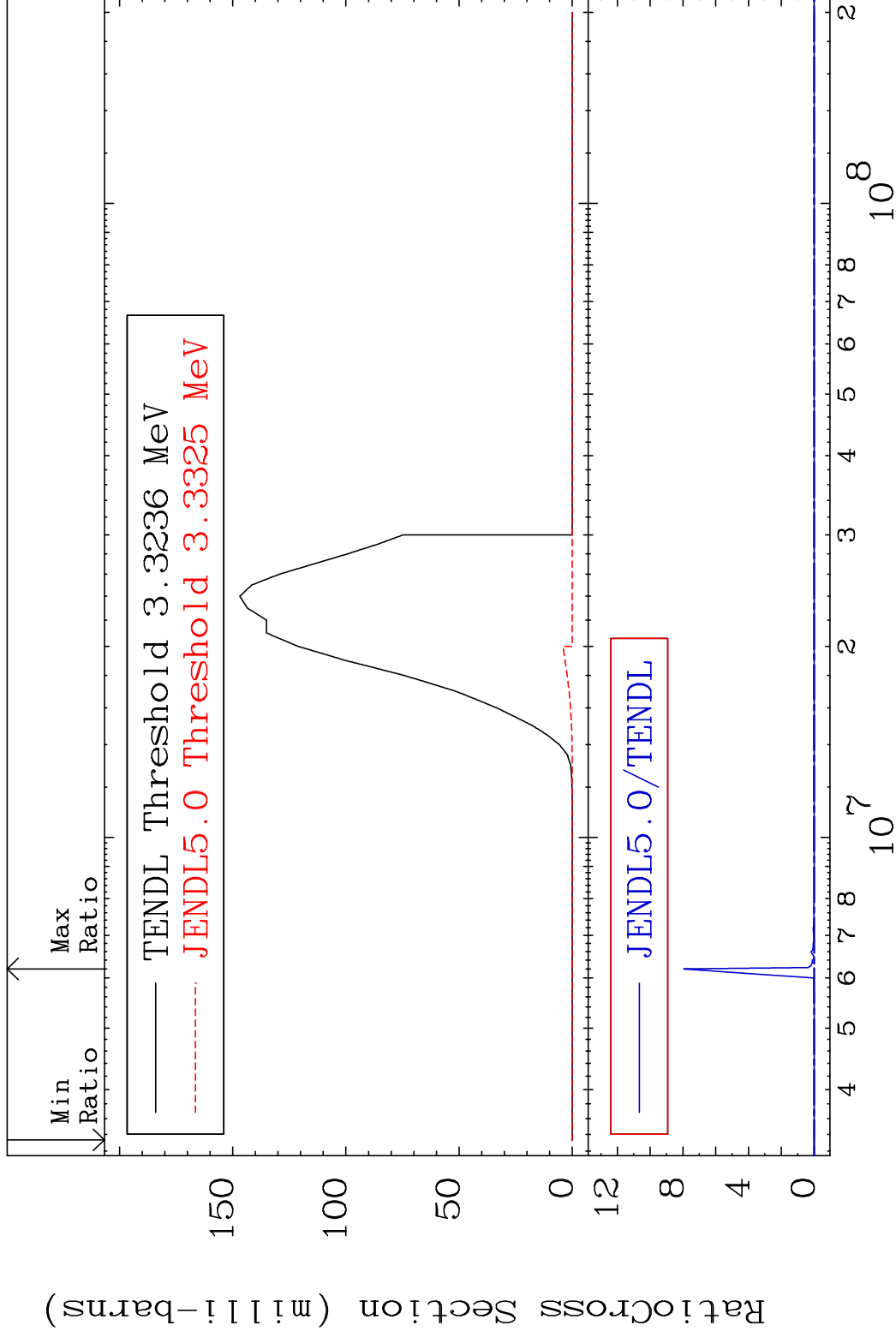


MAT 4731

(n, n')  $\alpha$

47-Ag-109

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

47-Ag-109

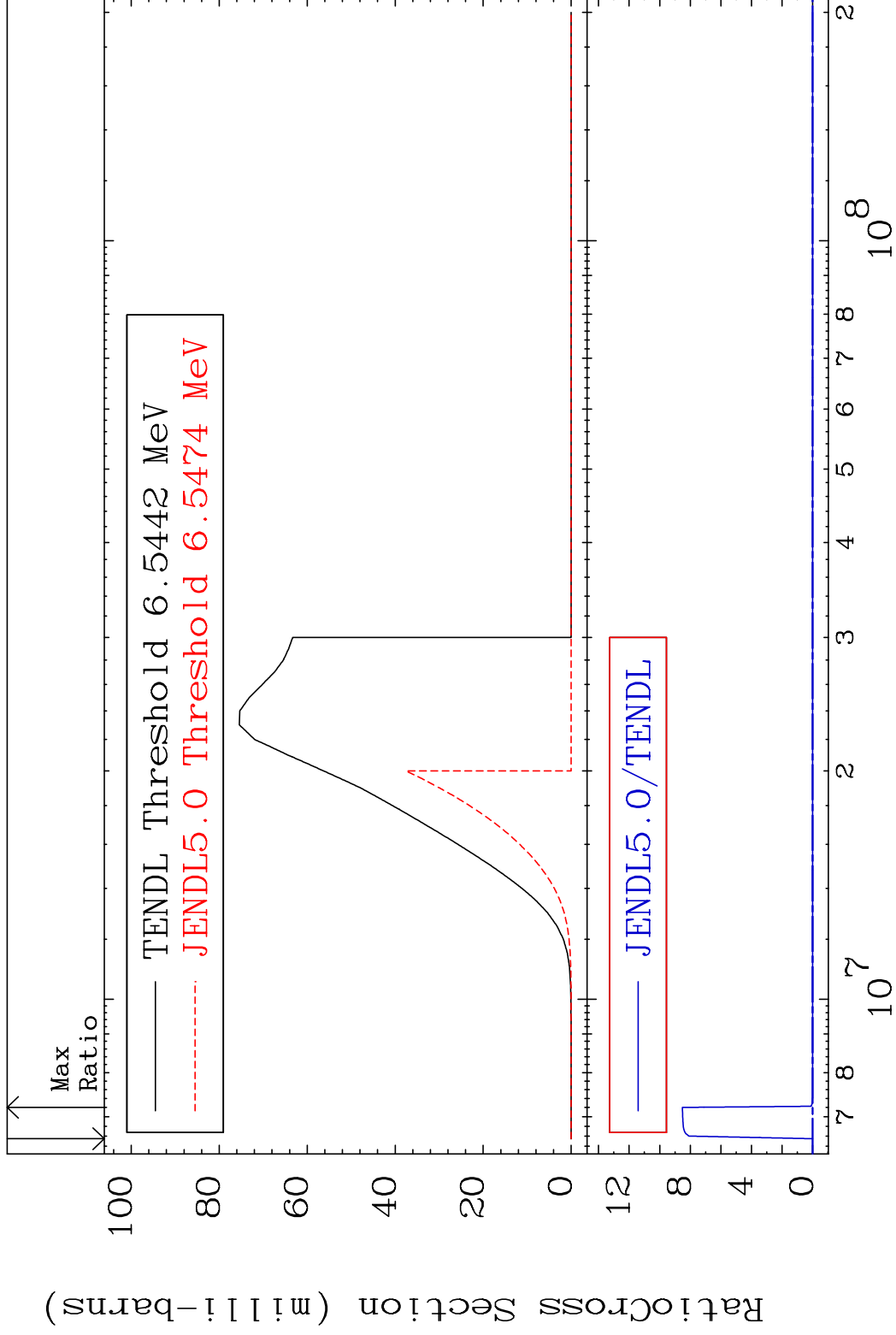


MAT 4731

(n, n') p

47-Ag-109

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

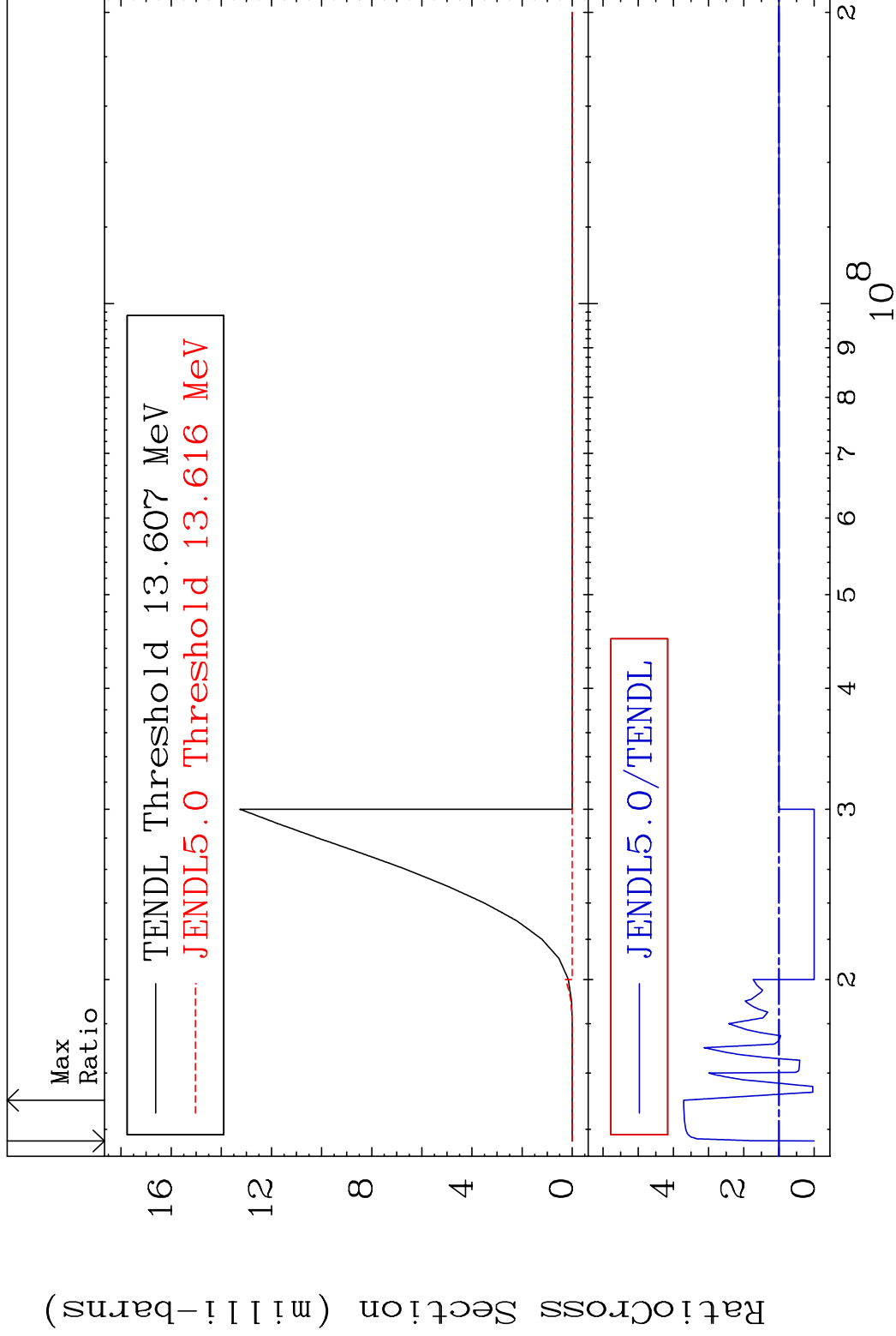
47-Ag-109

MAT 4731

(n, n') d

47-Ag-109

Cross Section -100.0 To 270.7 %

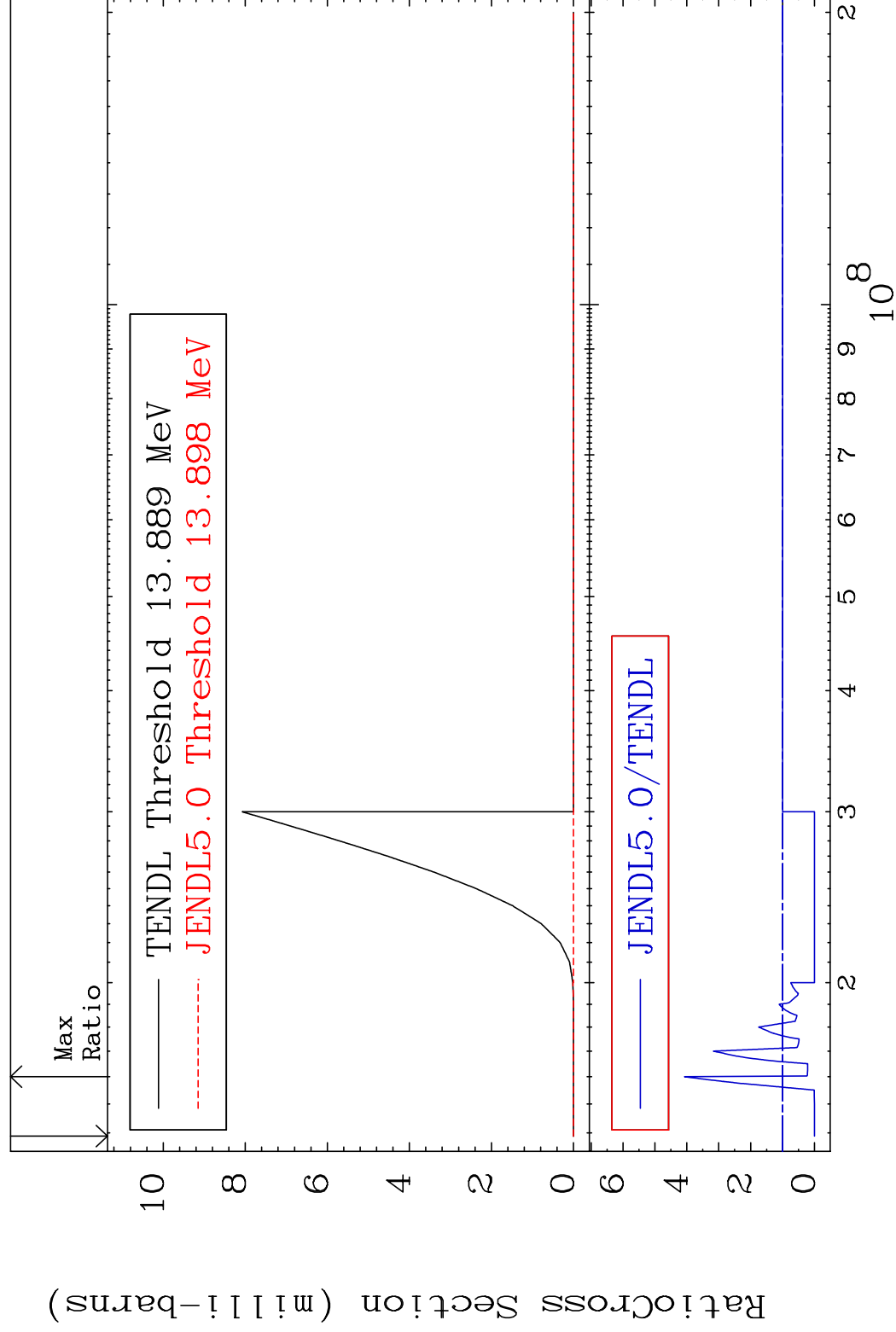


MAT 4731

(n, n') t

47-Ag-109

Cross Section -100.0 To 307.4 %



10

Incident Energy (eV)

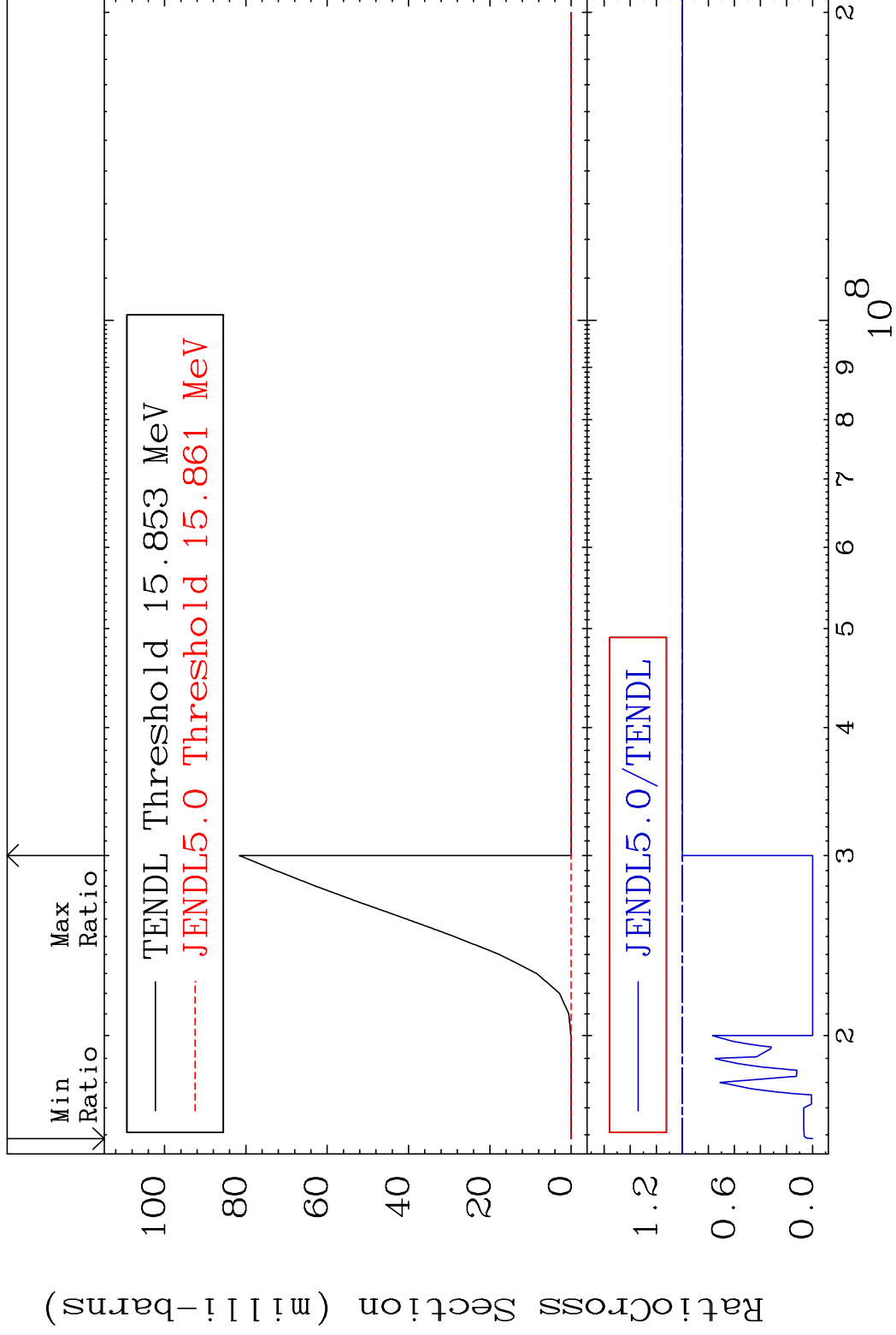
47-Ag-109

MAT 4731

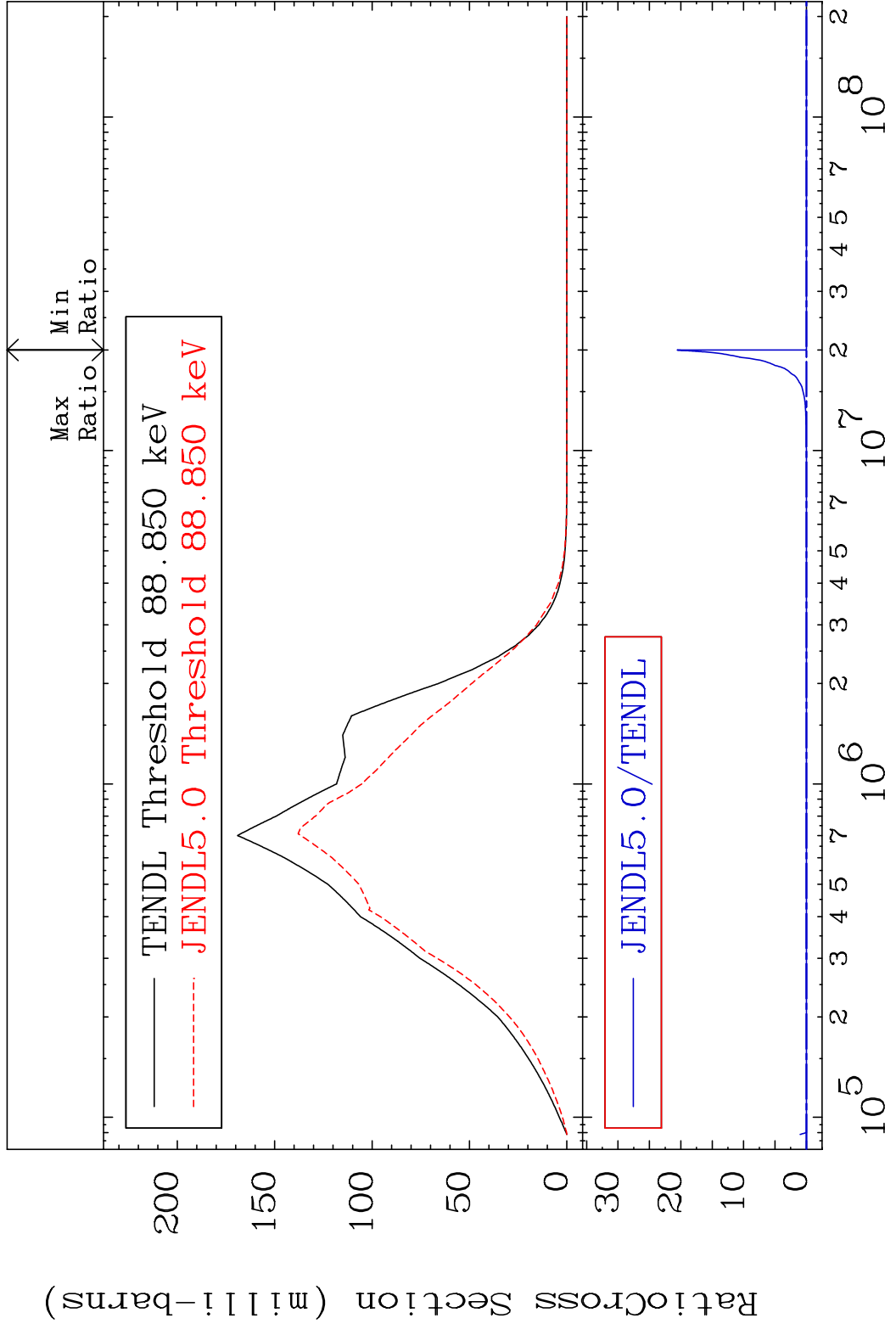
(n,2n) p

47-Ag-109

Cross Section -100.0 To 0.000 %

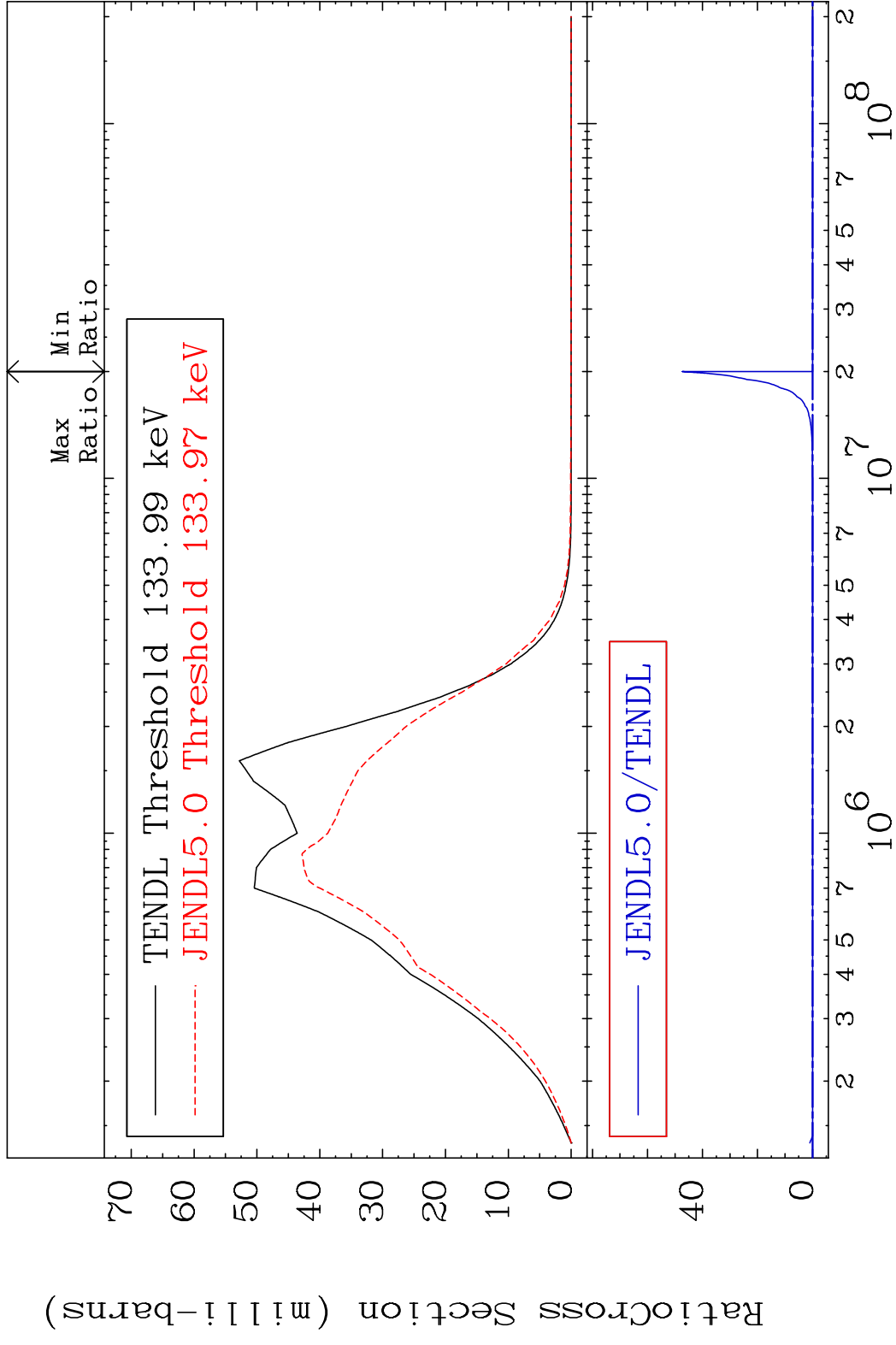


MAT 4731 MT= 51 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 9999. %

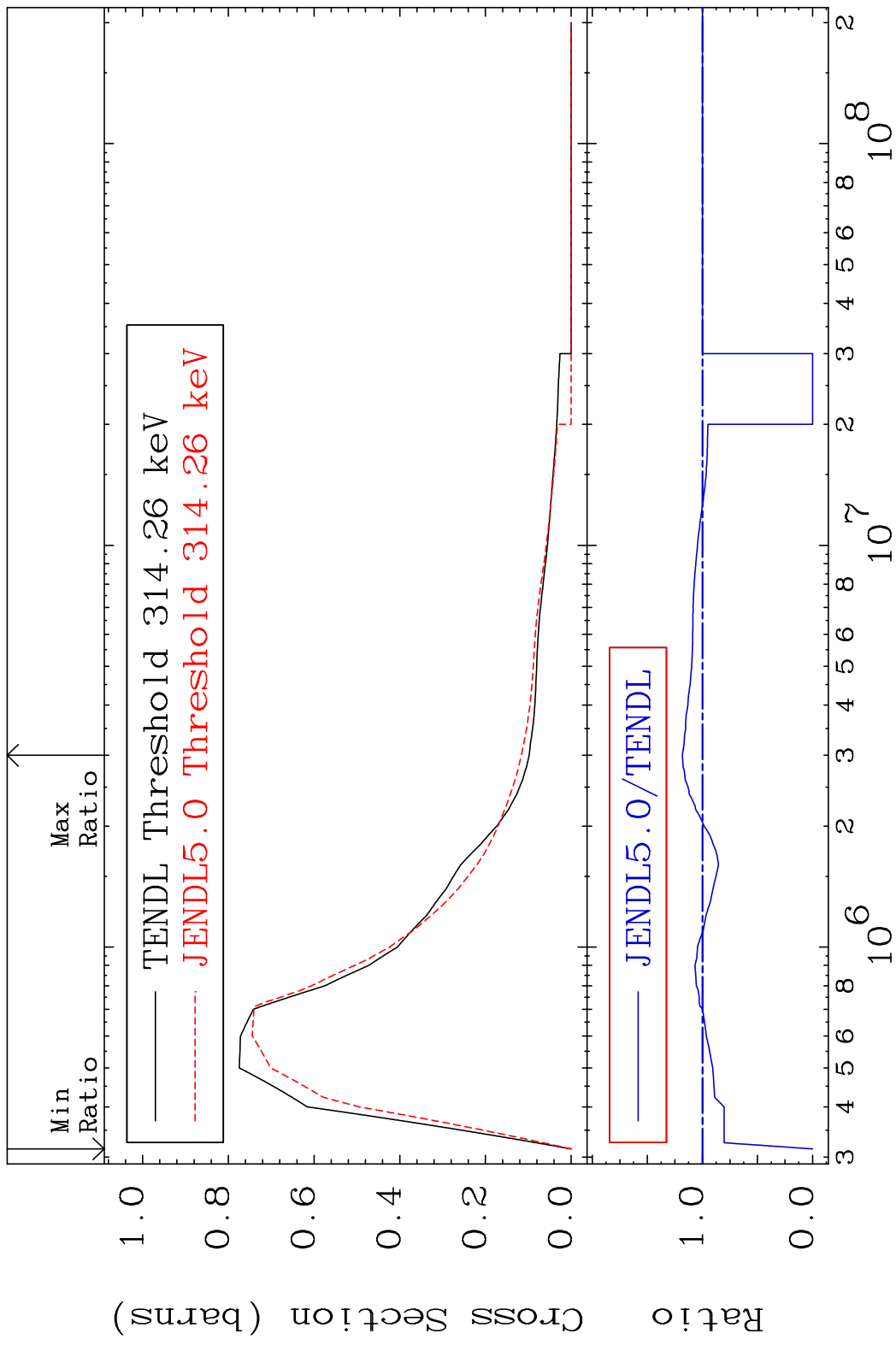


12 Incident Energy (eV) 47-Ag-109

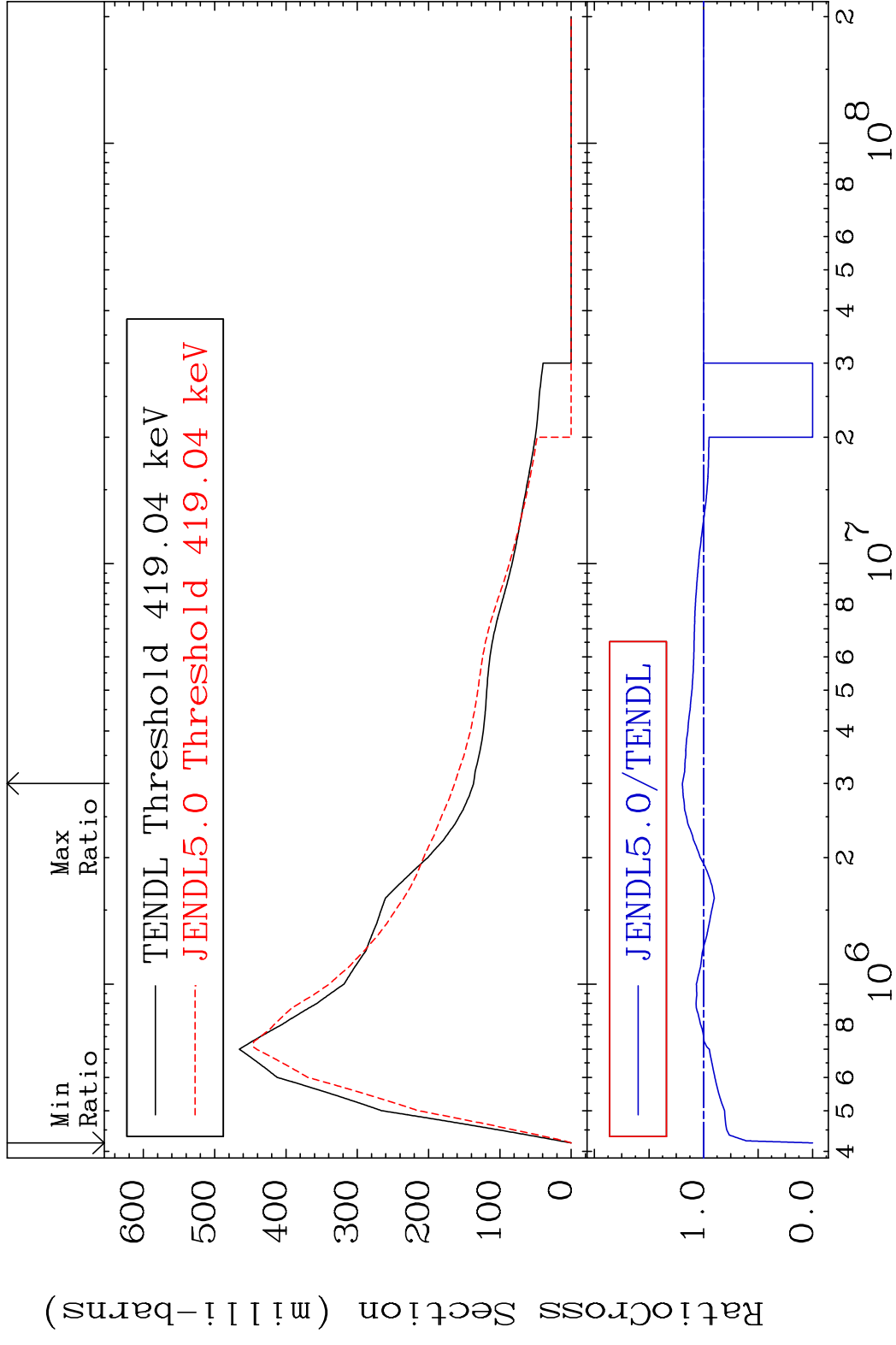
MAT 4731 MT= 52 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 9999. %



MAT 4731 MT= 53 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 18.21 %

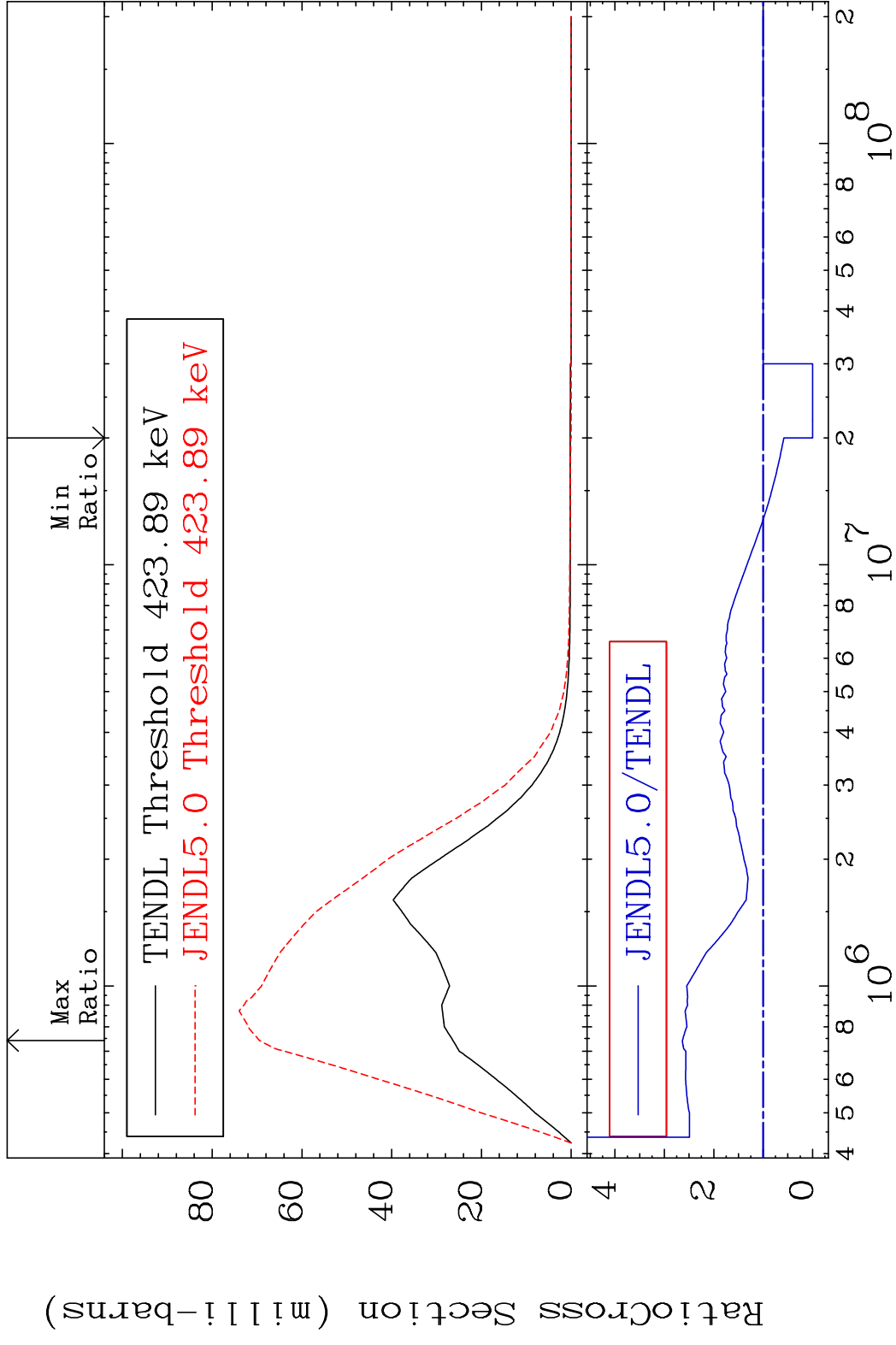


MAT 4731 MT= 54 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 19.40 %

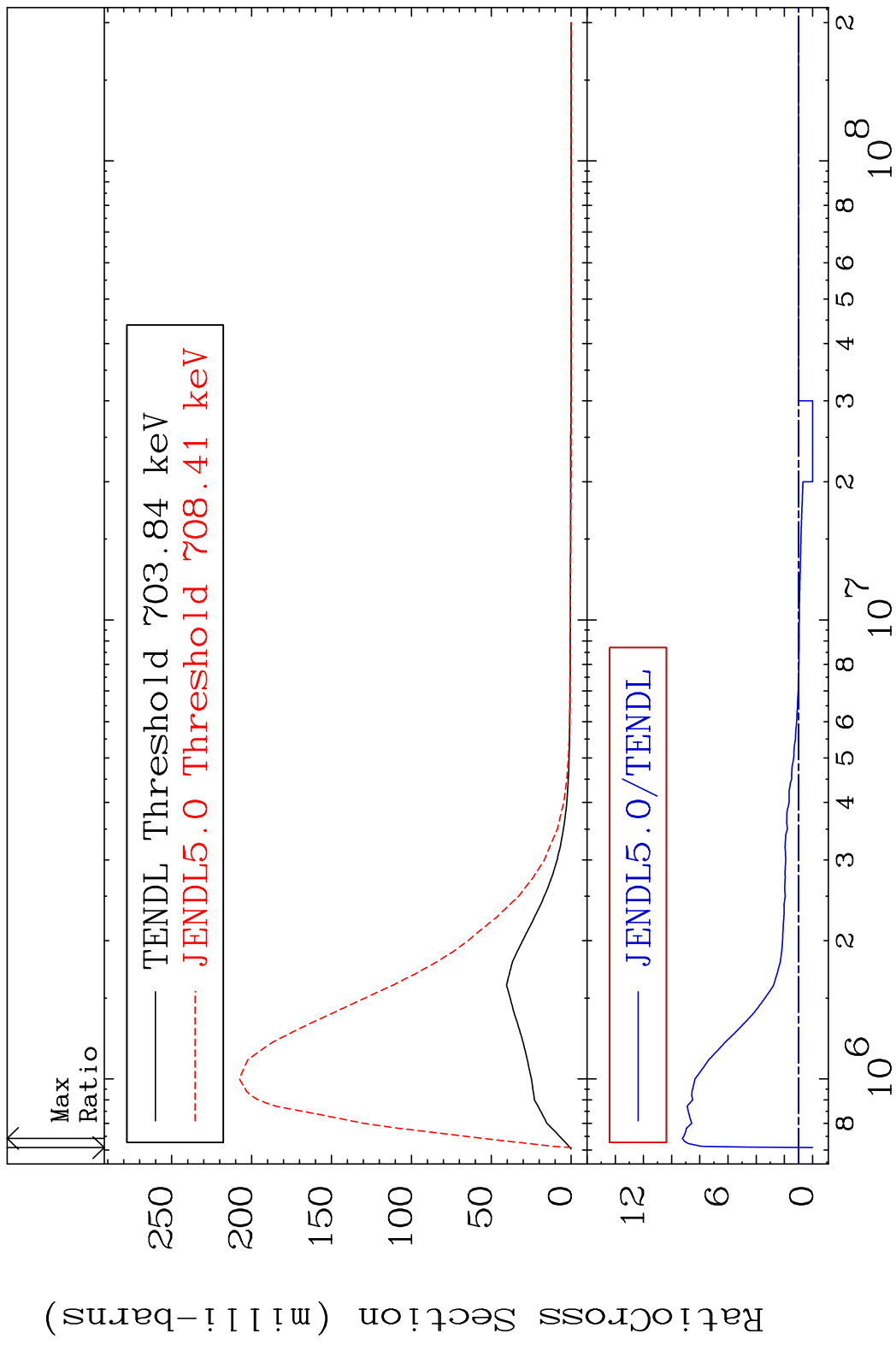




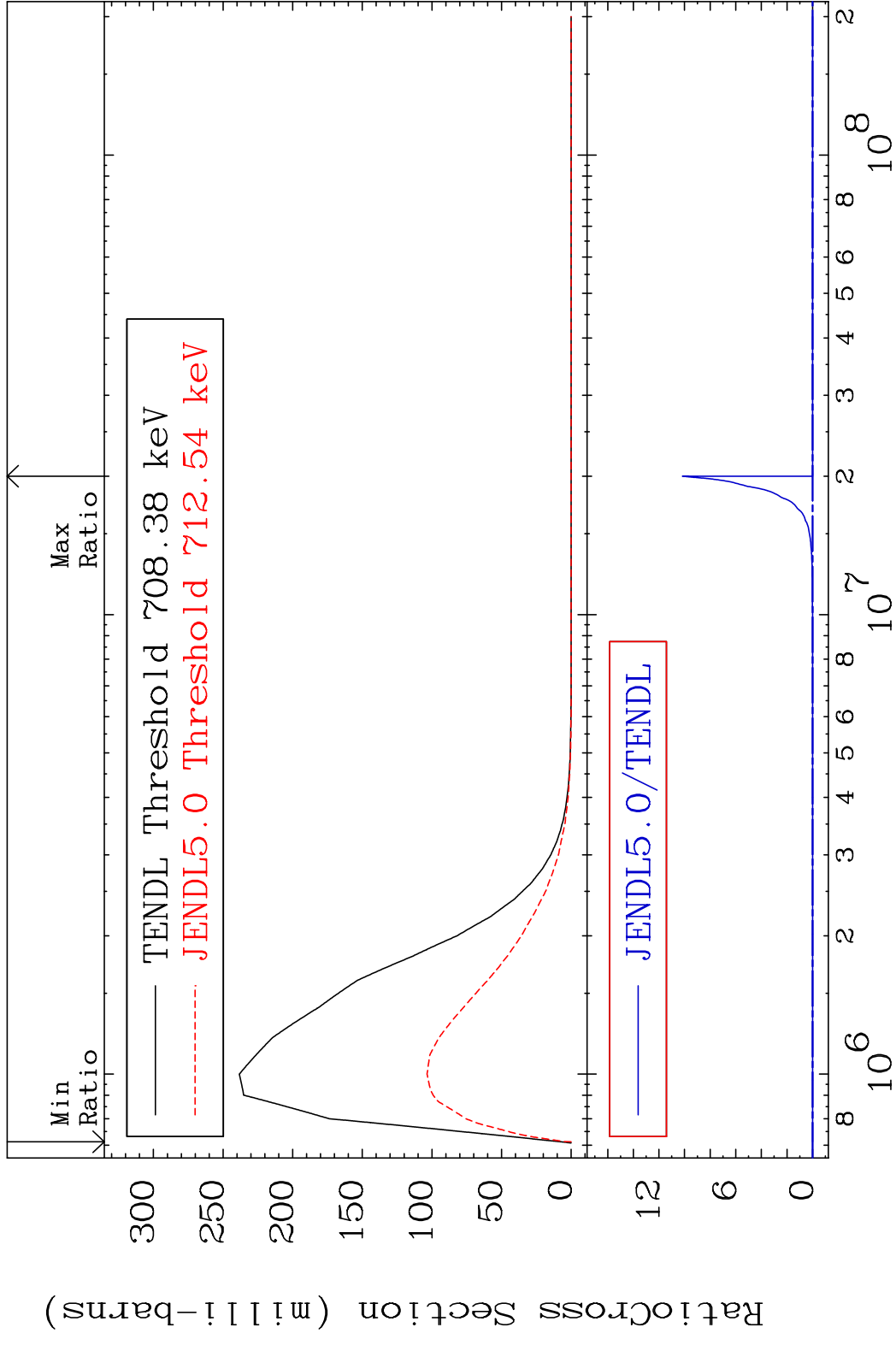
MAT 4731 MT= 55 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 163.6 %



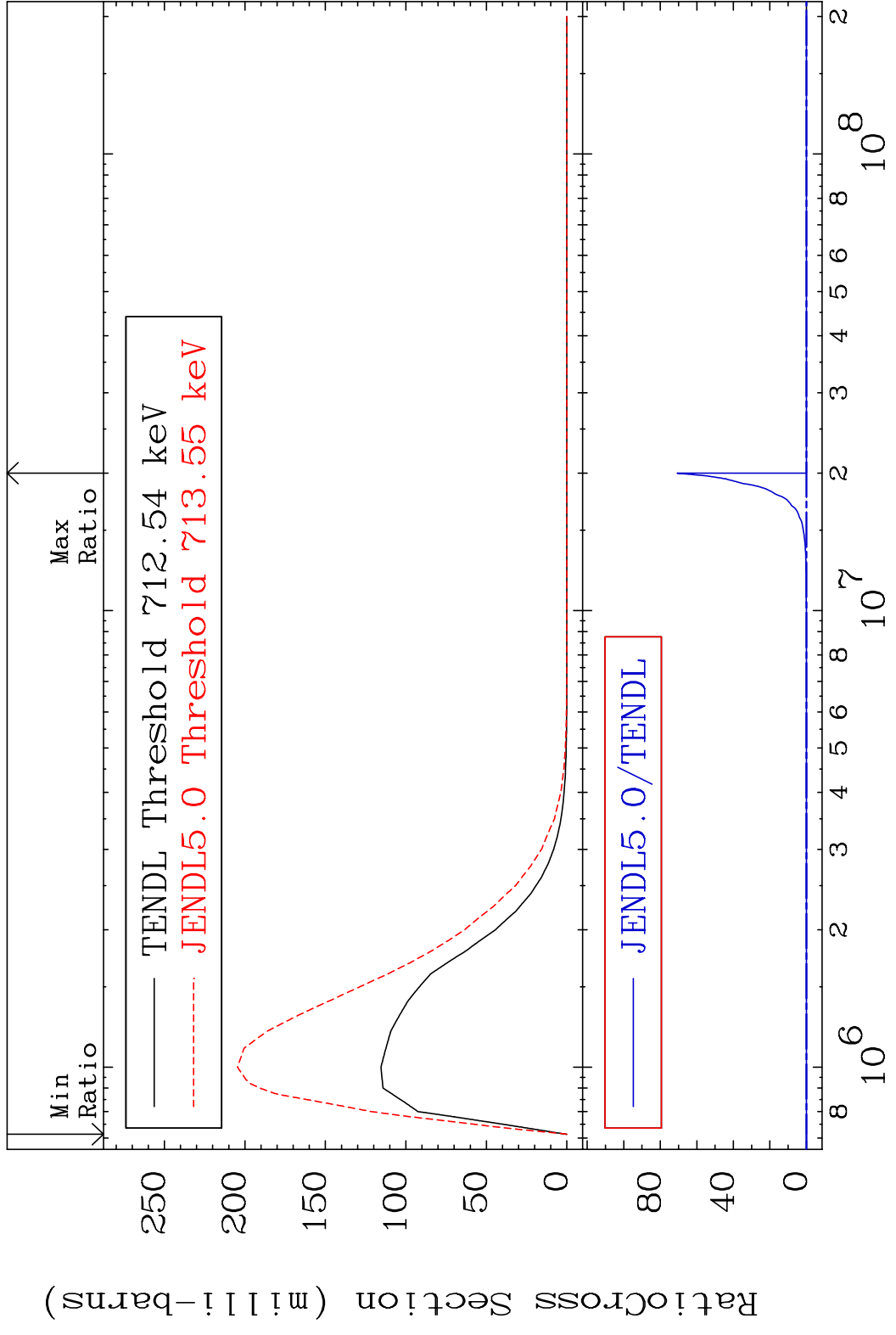
MAT 4731 MT= 56 (n,n') Level 47-Ag-109  
 Cross Section -100.0 To 823.9 %



MAT 4731 MT= 57 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 9999. %

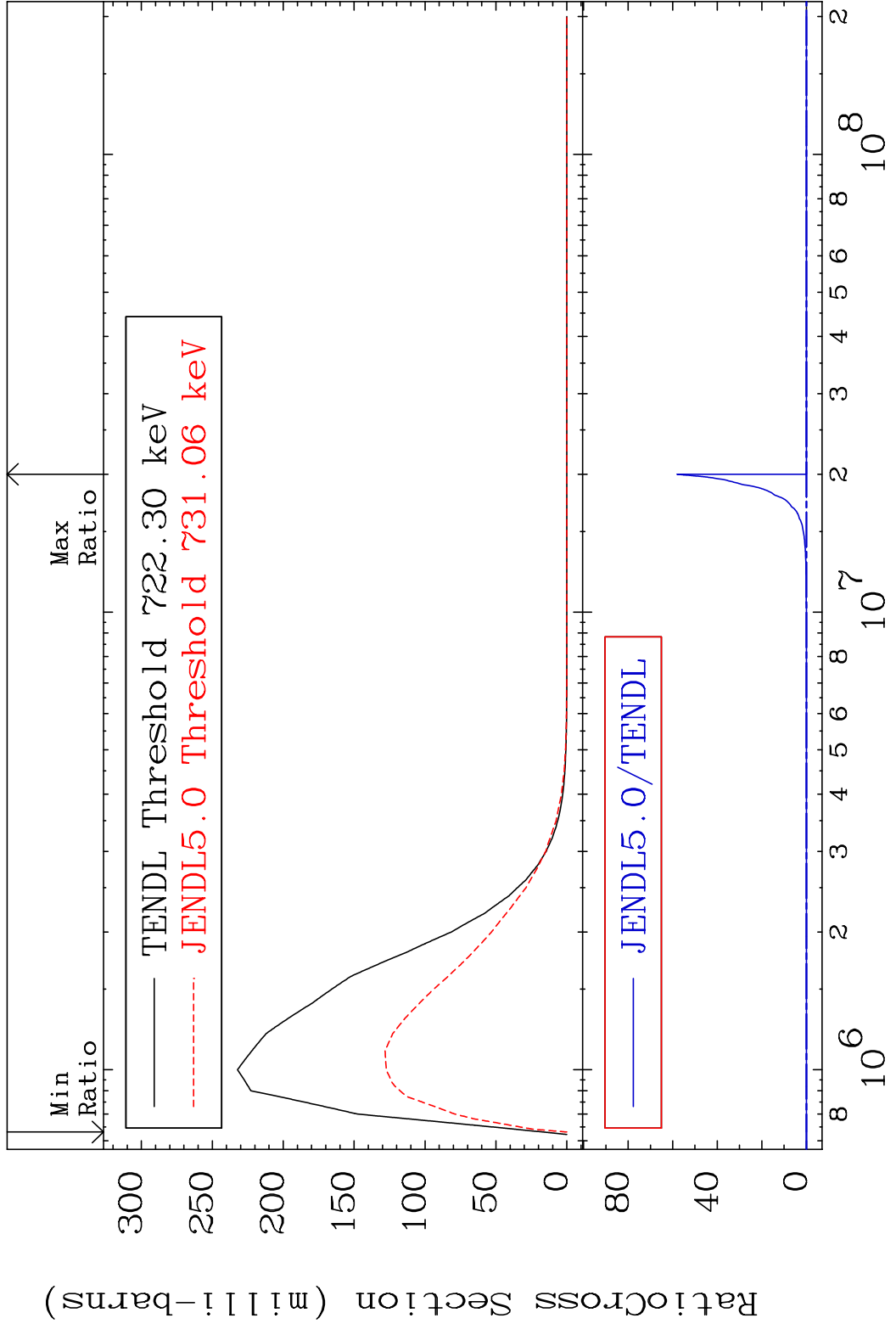


MAT 4731 MT= 58 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 9999. %



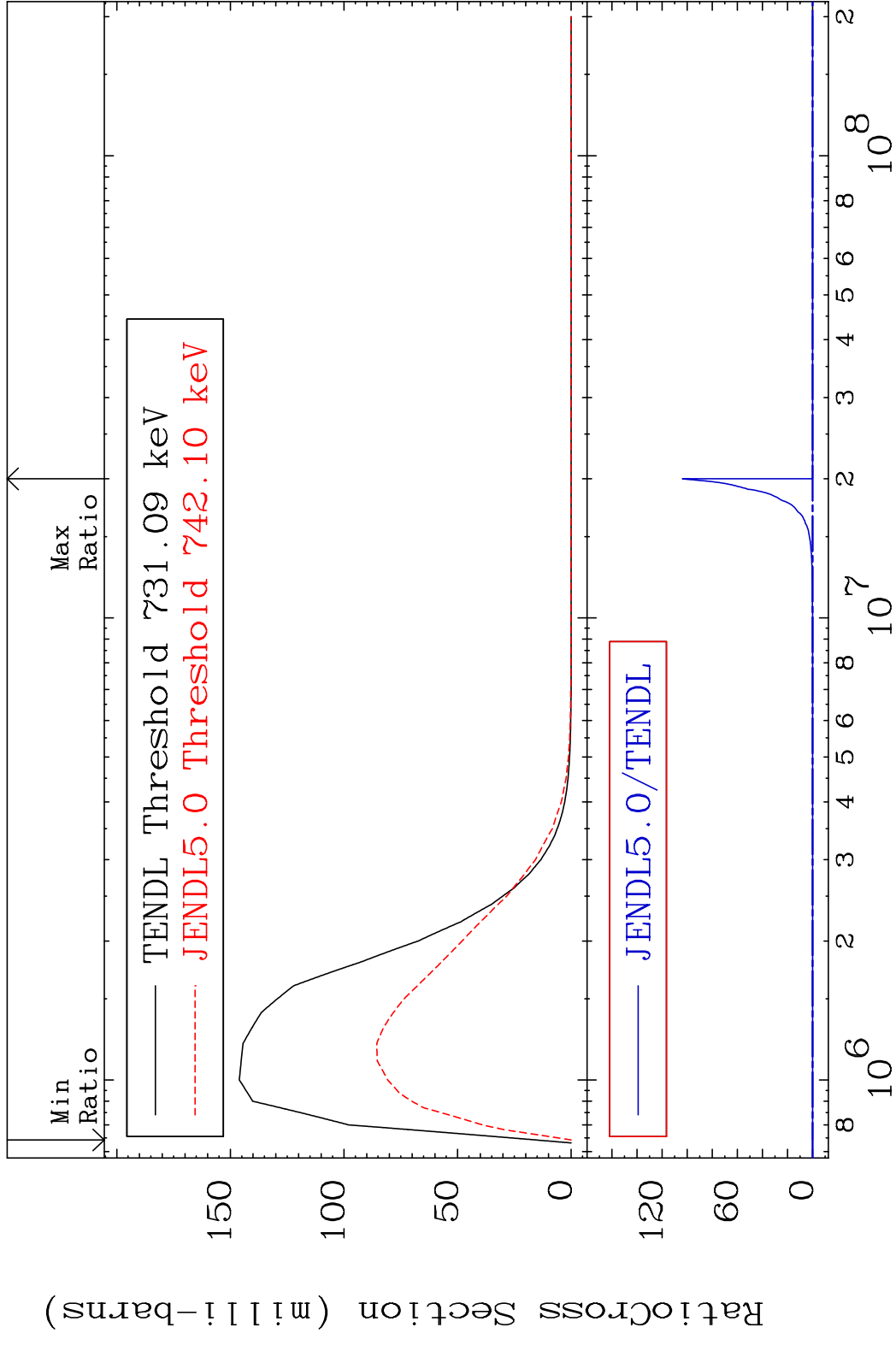
19 Incident Energy (eV) 47-Ag-109

MAT 4731 MT= 59 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 9999. %

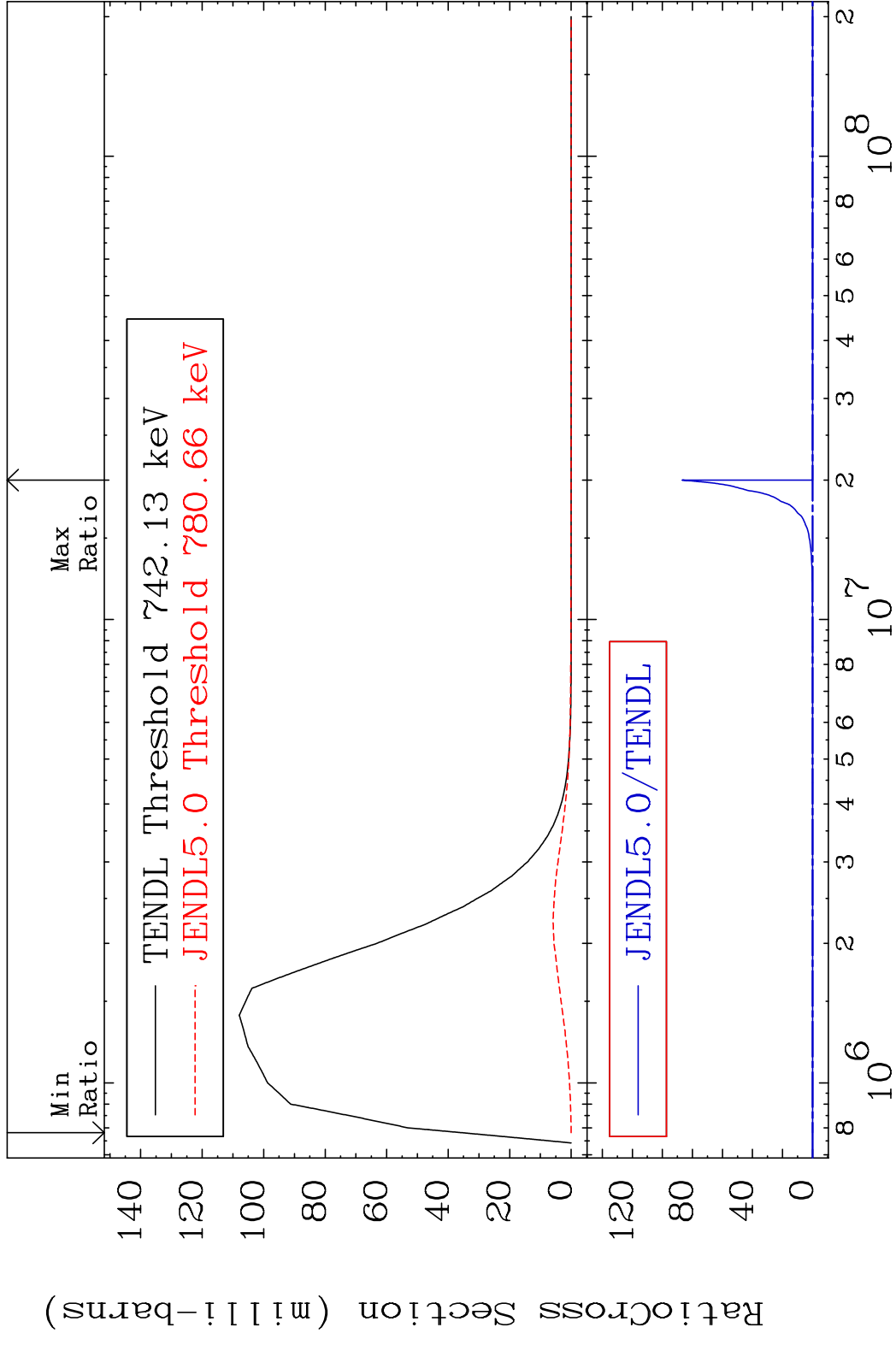


20 47-Ag-109

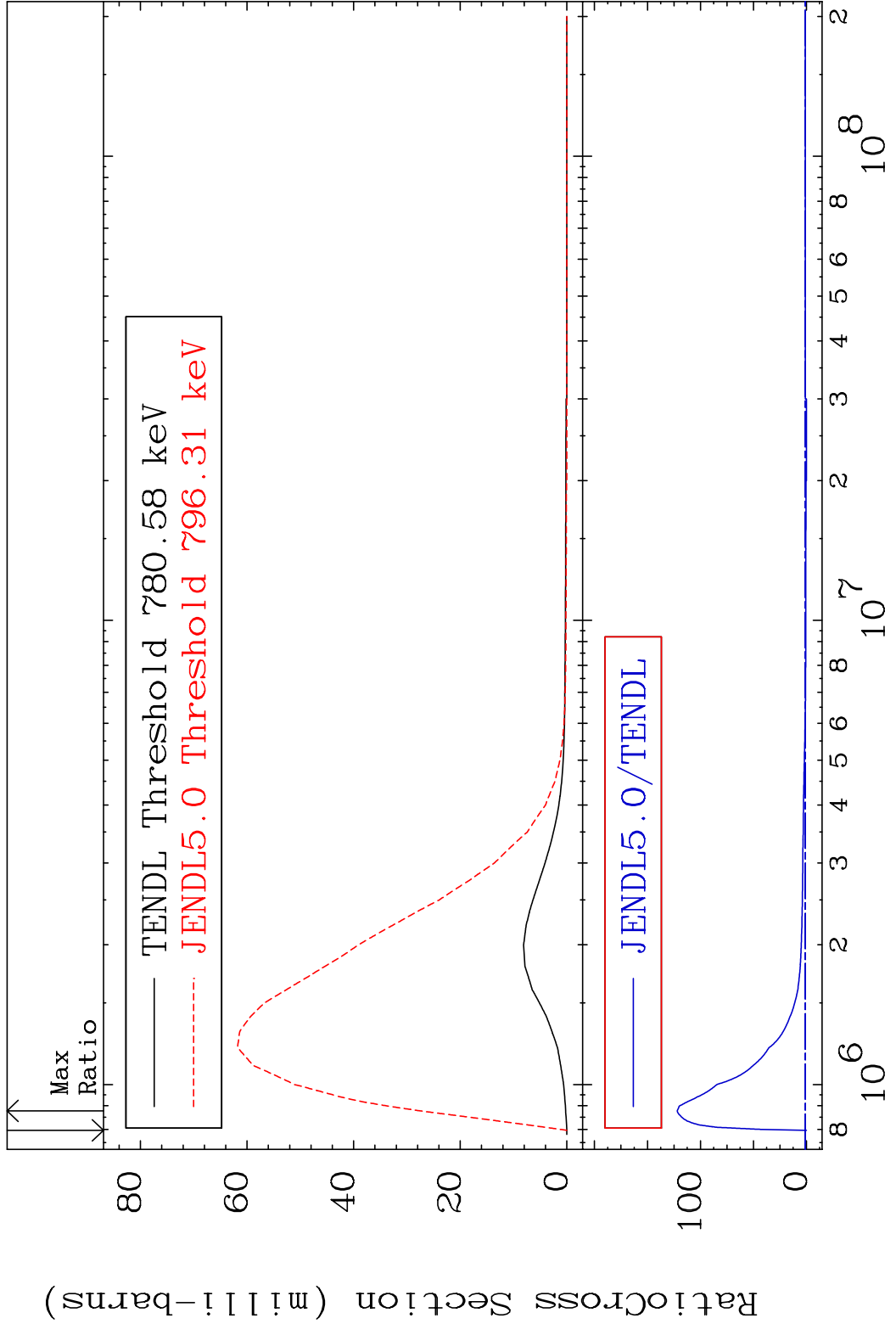
MAT 4731 MT= 60 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 9999. %



MAT 4731 MT= 61 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 9999. %

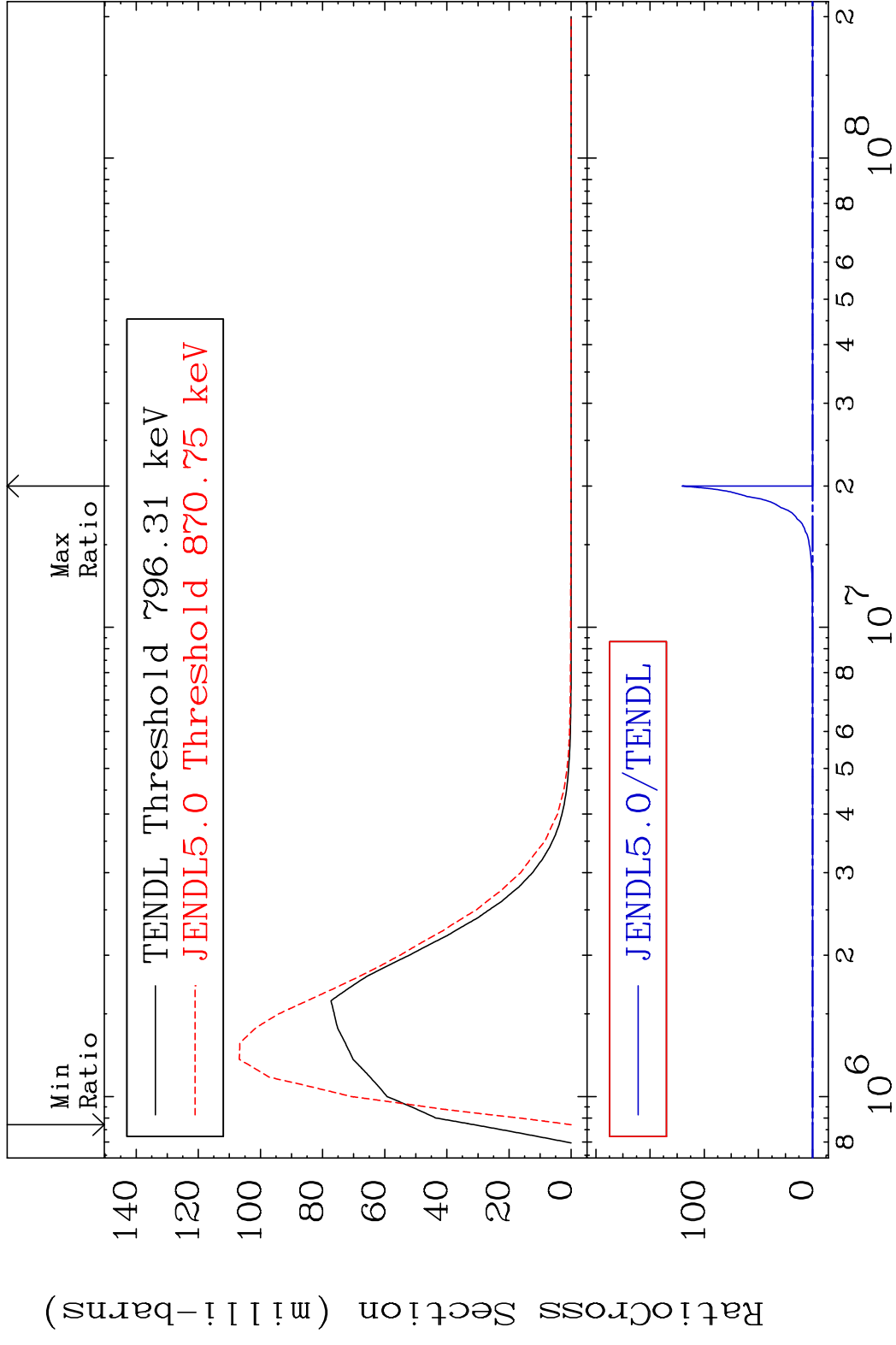


MAT 4731 MT= 62 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 9999. %

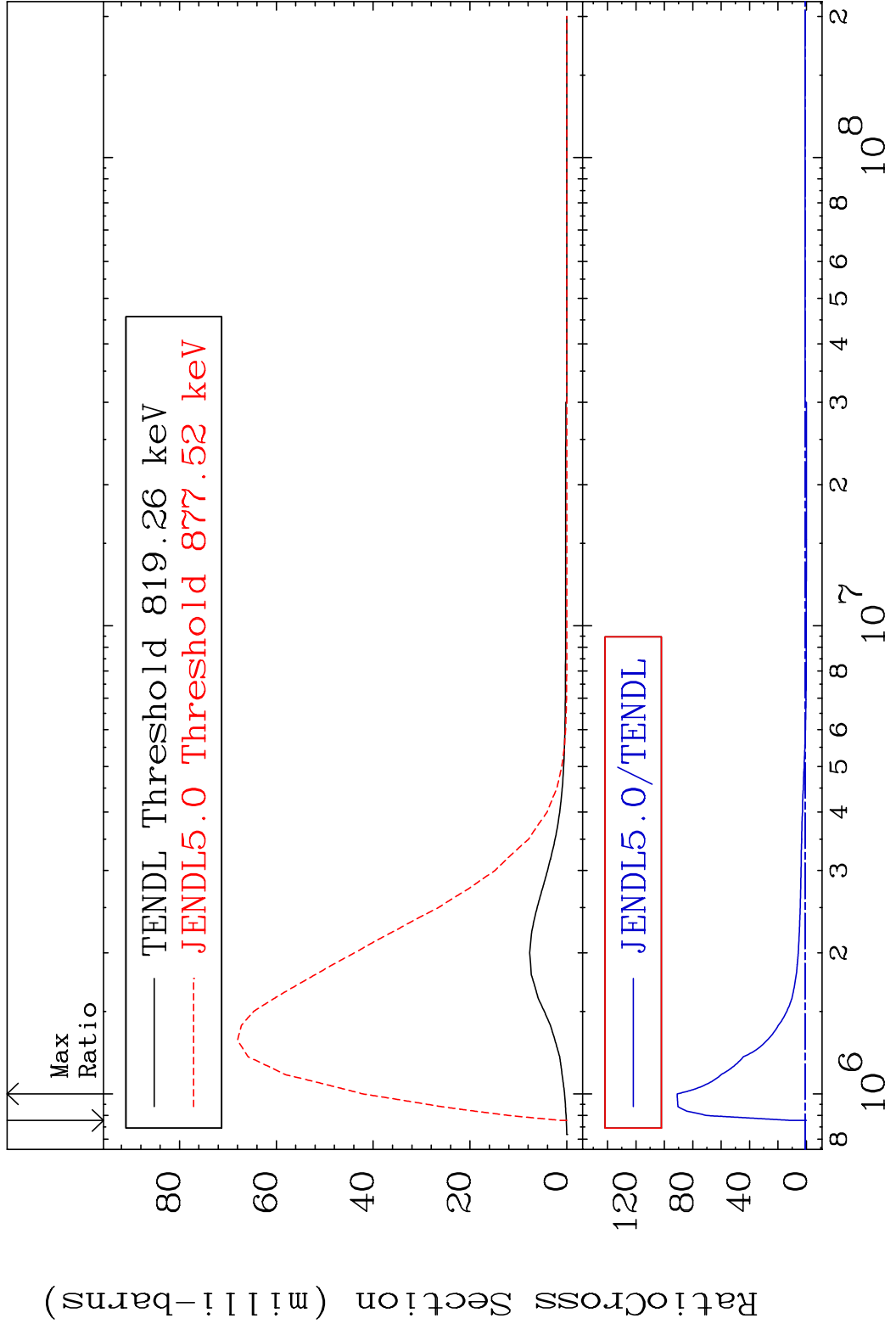




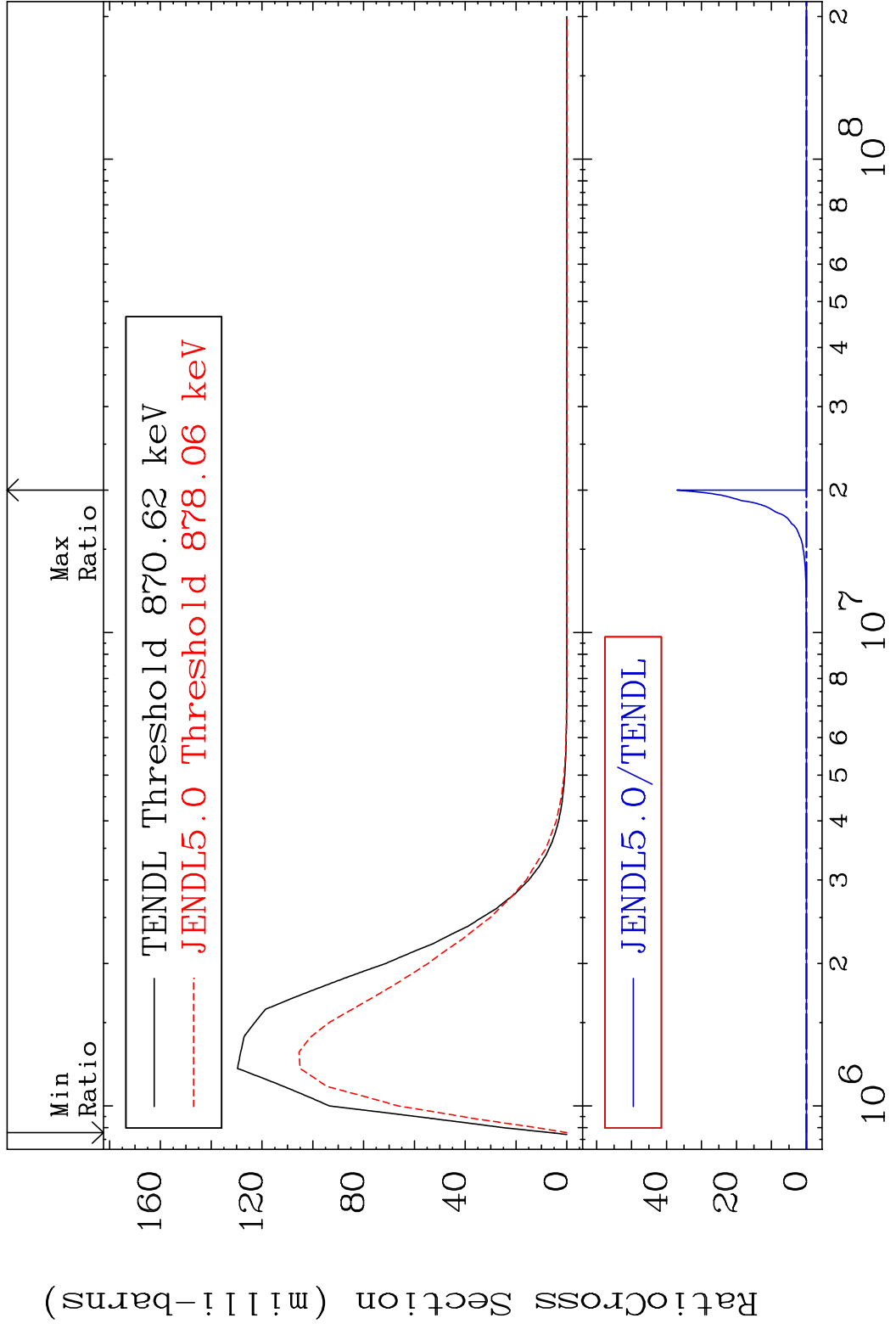
MAT 4731 MT= 63 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 9999. %



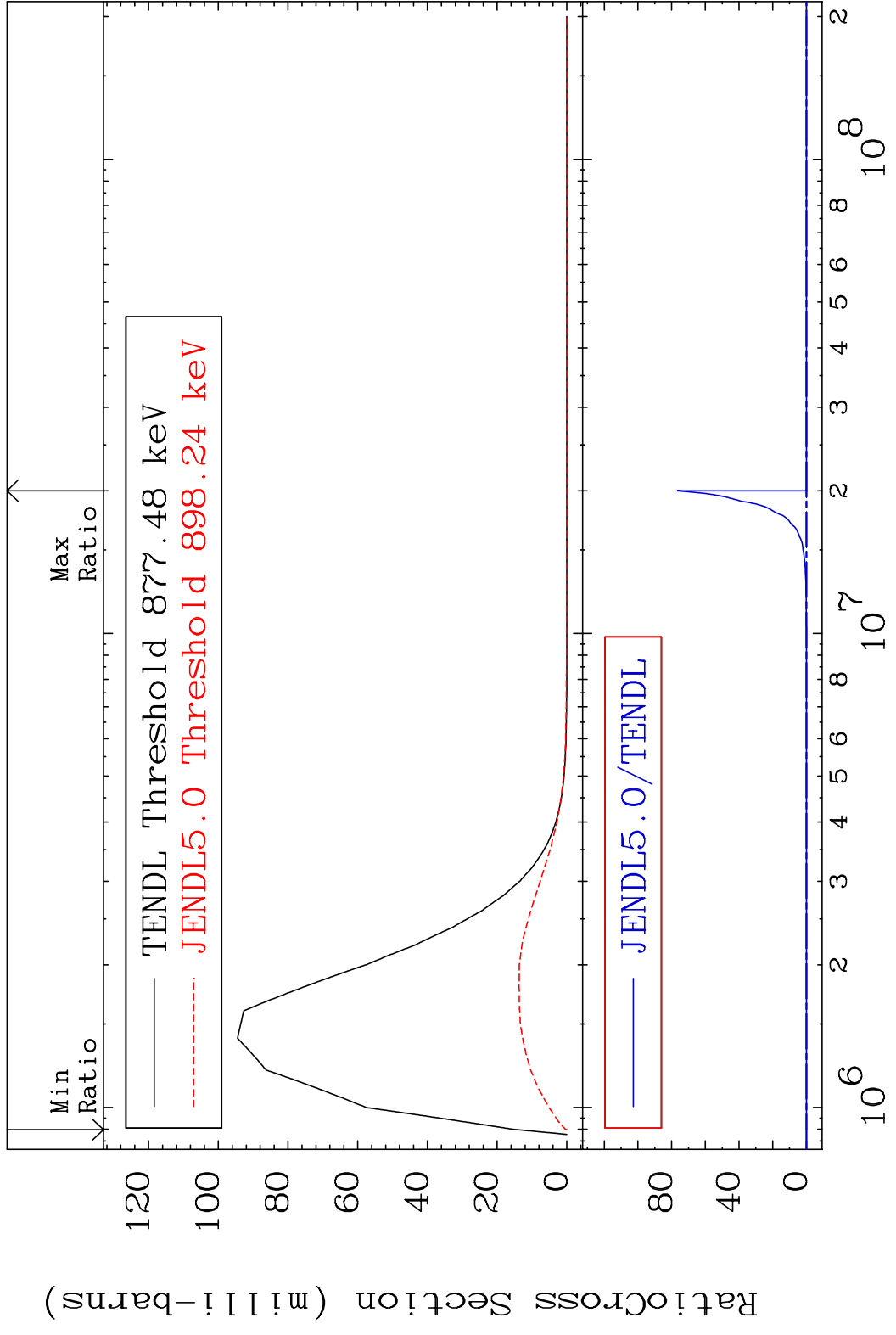
MAT 4731 MT= 64 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 8996. %



MAT 4731 MT= 65 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 9999. %

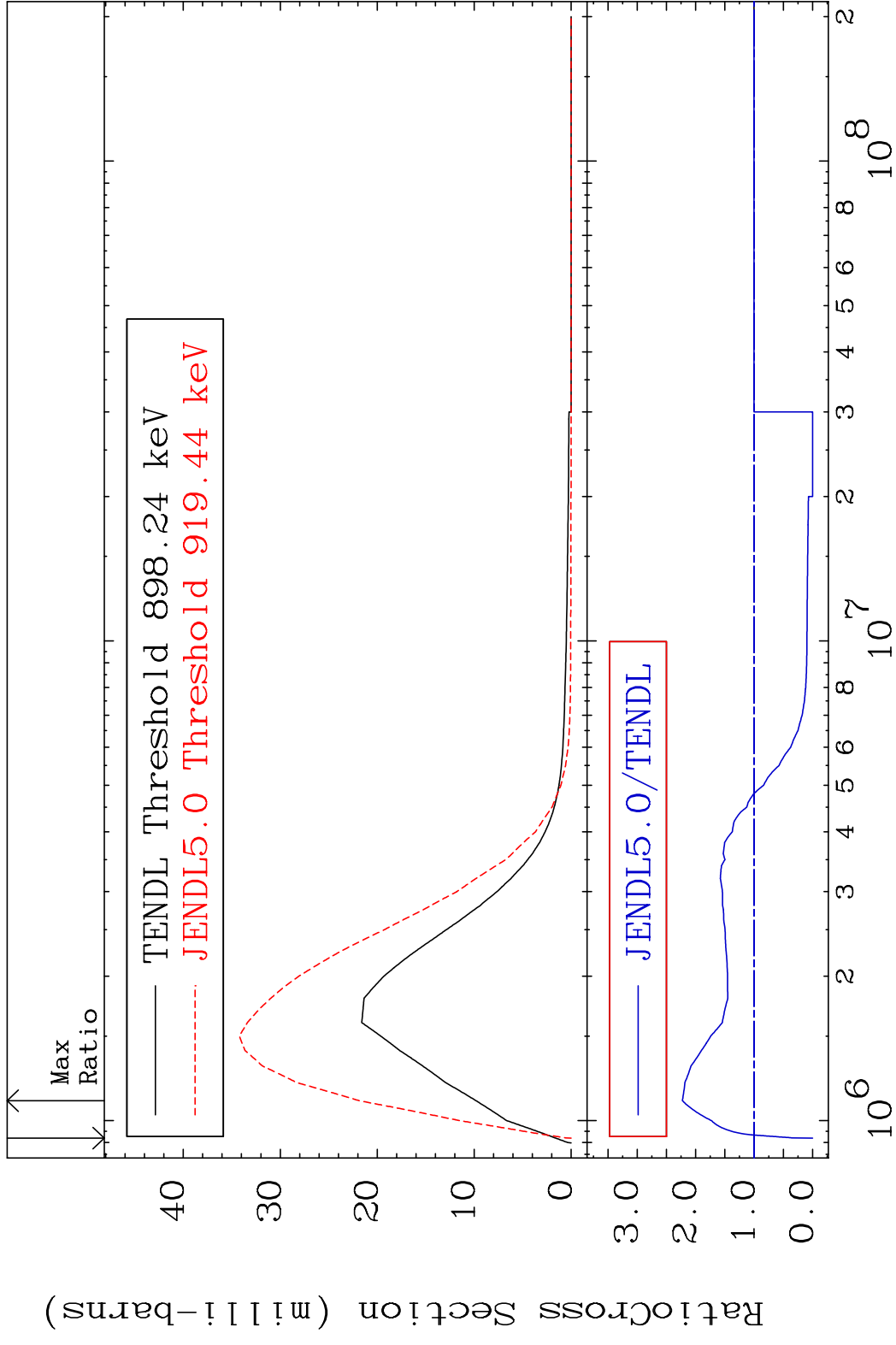


MAT 4731 MT= 66 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 9999. %



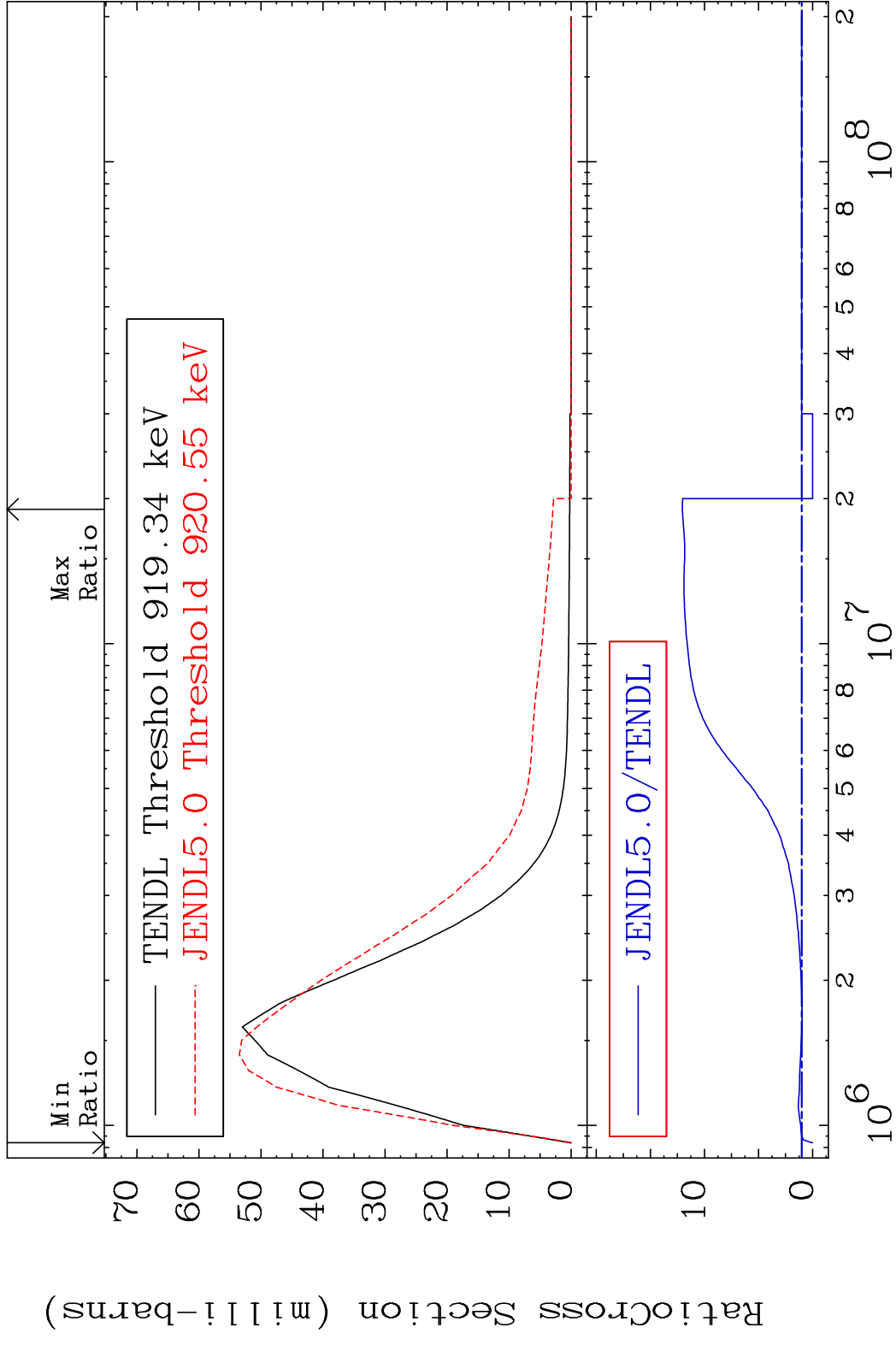
27 Incident Energy (eV) 47-Ag-109

MAT 4731 MT= 67 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 122.8 %



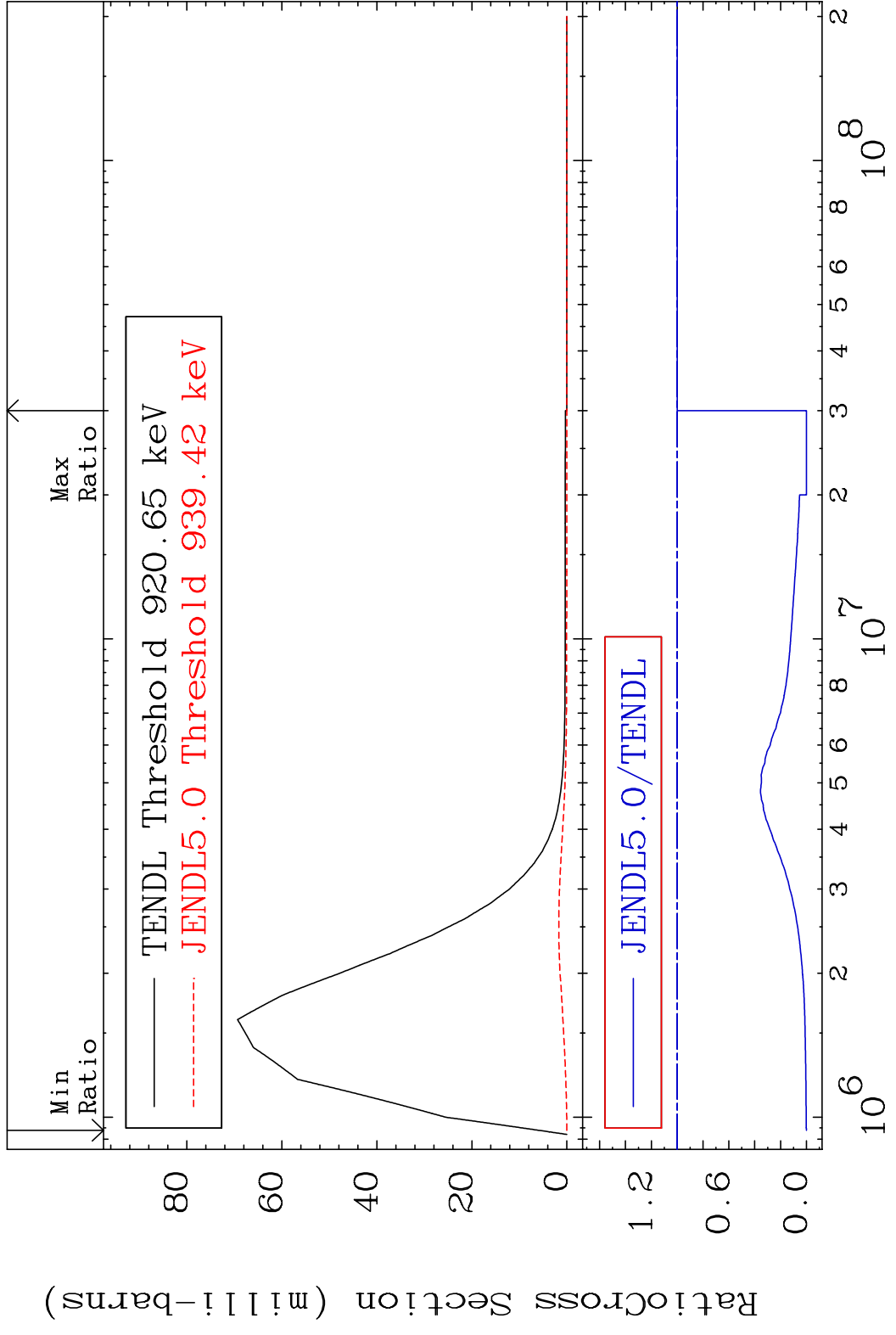
28 Incident Energy (eV) 47-Ag-109

MAT 4731 MT= 68 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 1104. %



29 Incident Energy (eV) 47-Ag-109

MAT 4731 MT= 69 (n, n') Level 47-Ag-109  
 Cross Section -100.0 To 0.000 %



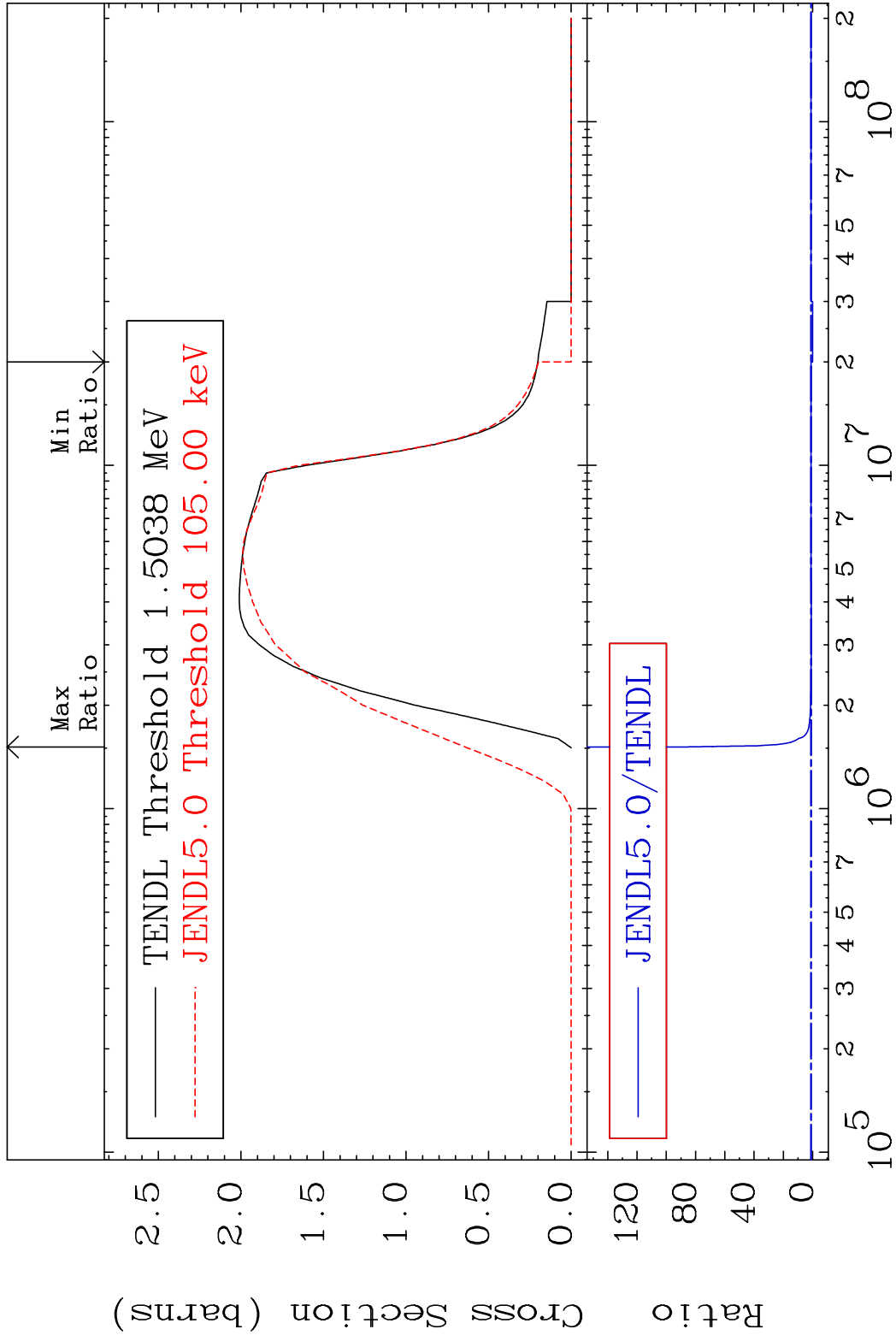
30 Incident Energy (eV) 47-Ag-109

MAT 4731

(n, n') Continuum

47-Ag-109

Cross Section -100.0 To 8802. %



31

Incident Energy (eV)

47-Ag-109

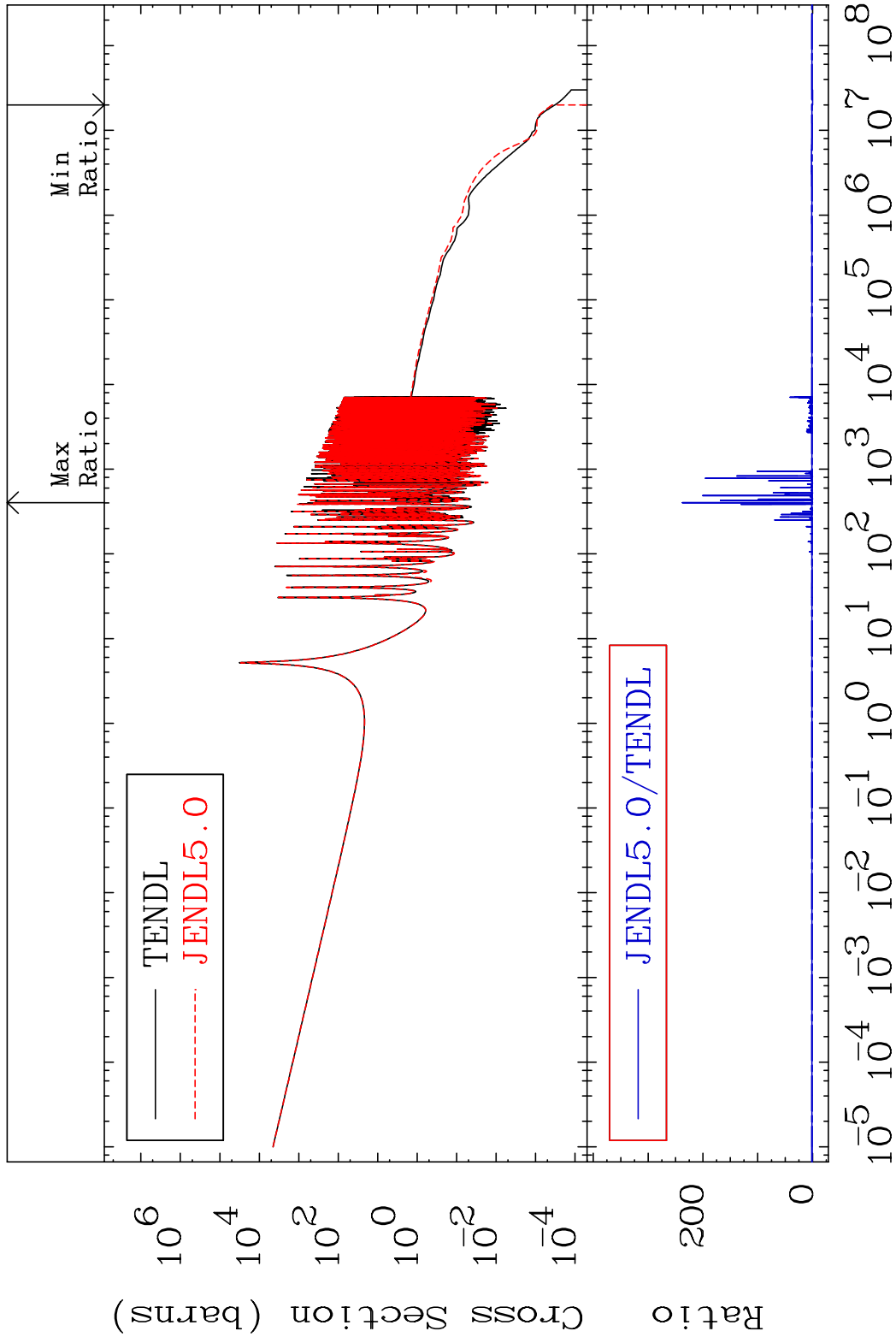


MAT 4731

(n,  $\gamma$ )

47-Ag-109

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

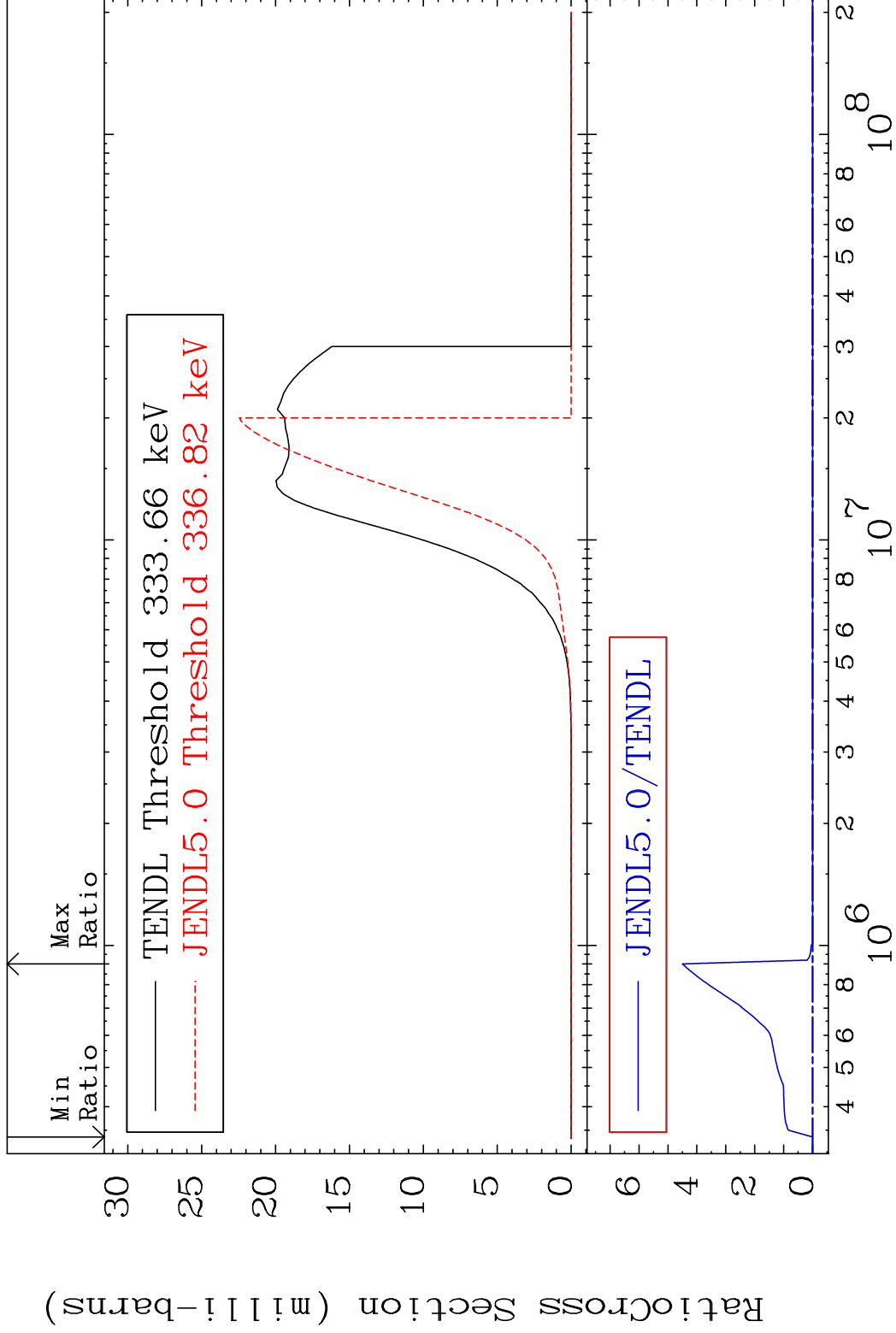
47-Ag-109

MAT 4731

(n,p)

47-Ag-109

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

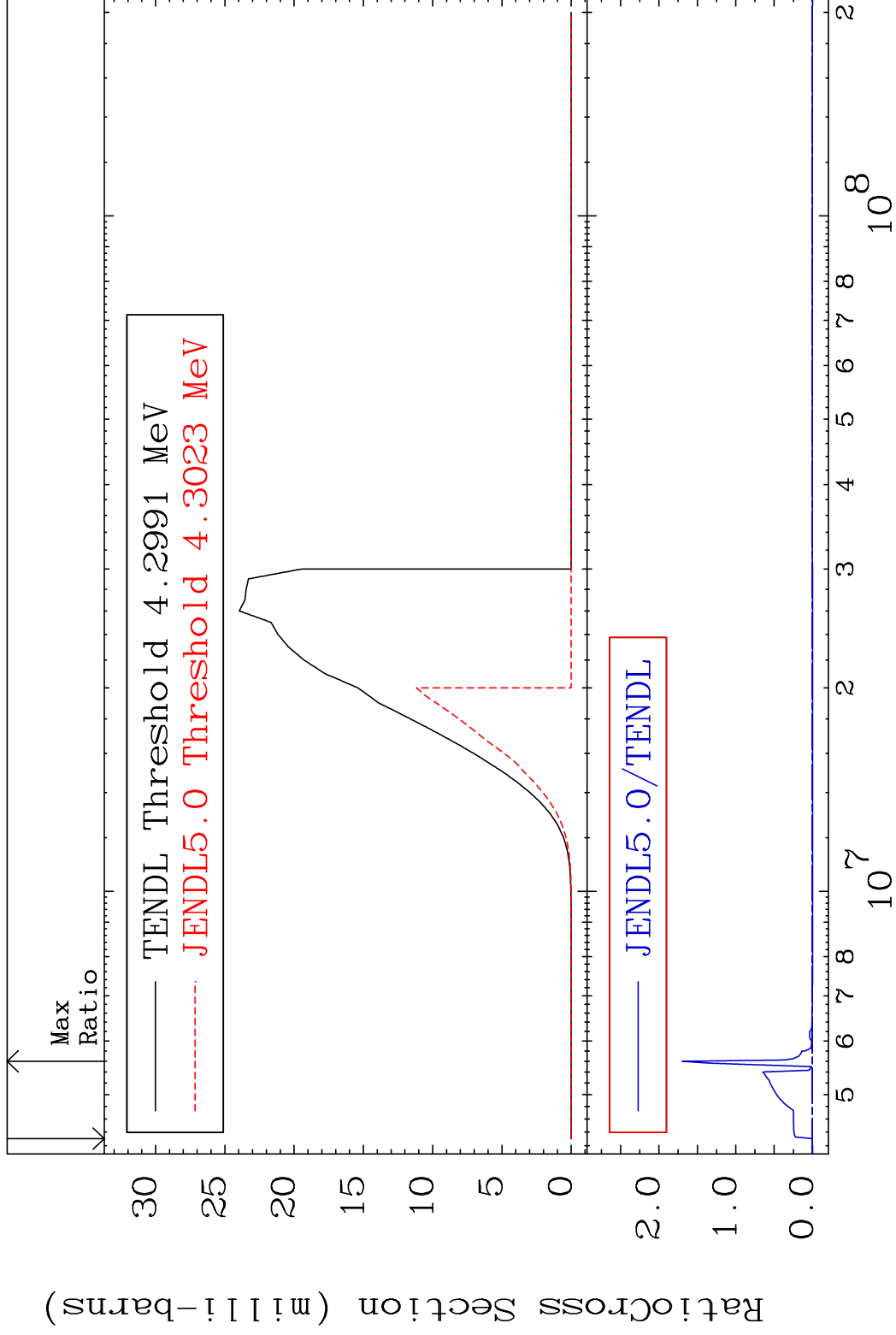
47-Ag-109

MAT 4731

(n,d)

47-Ag-109

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

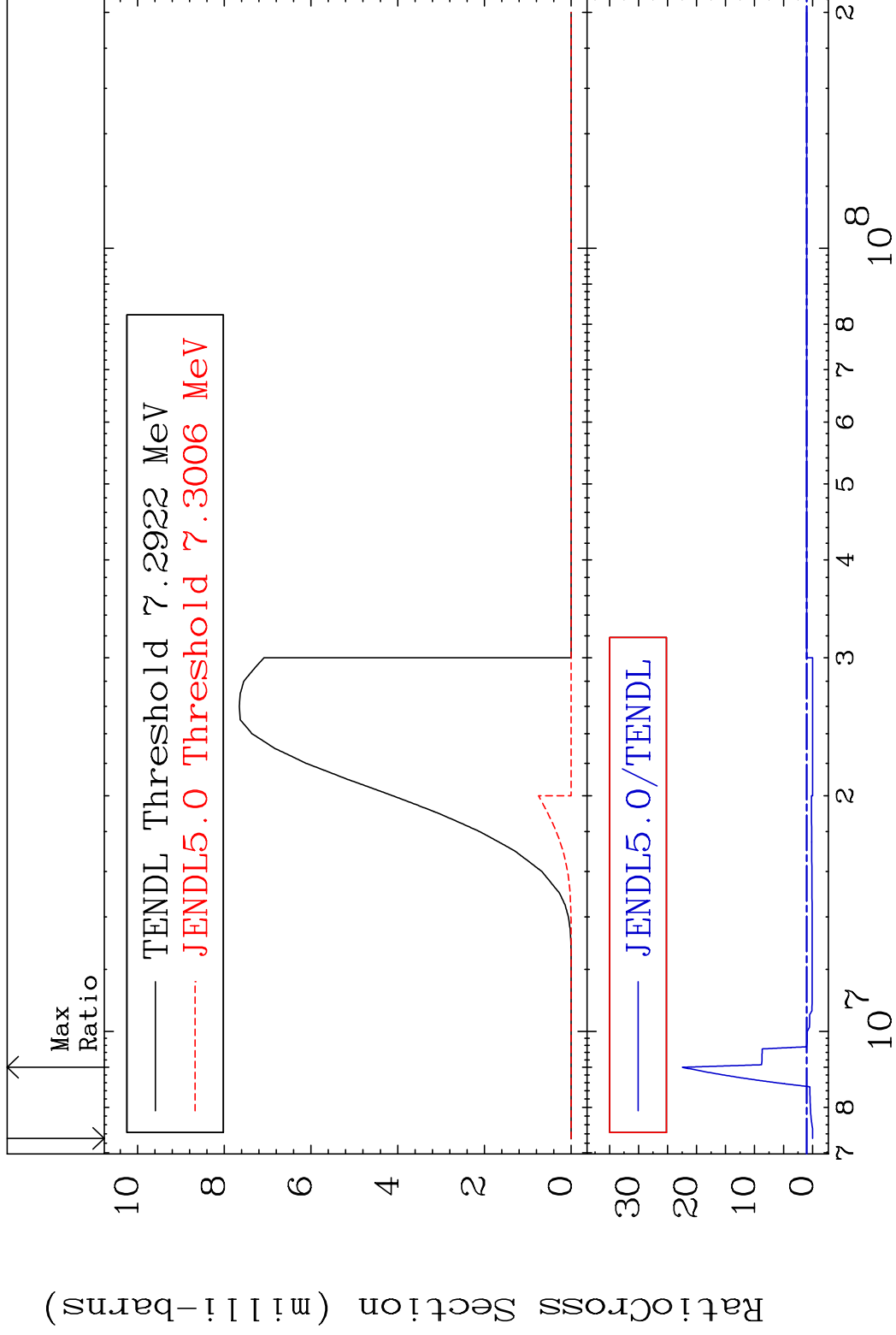
47-Ag-109

MAT 4731

(n, t)

47-Ag-109

Cross Section -100.0 To 2145. %



35

Incident Energy (eV)

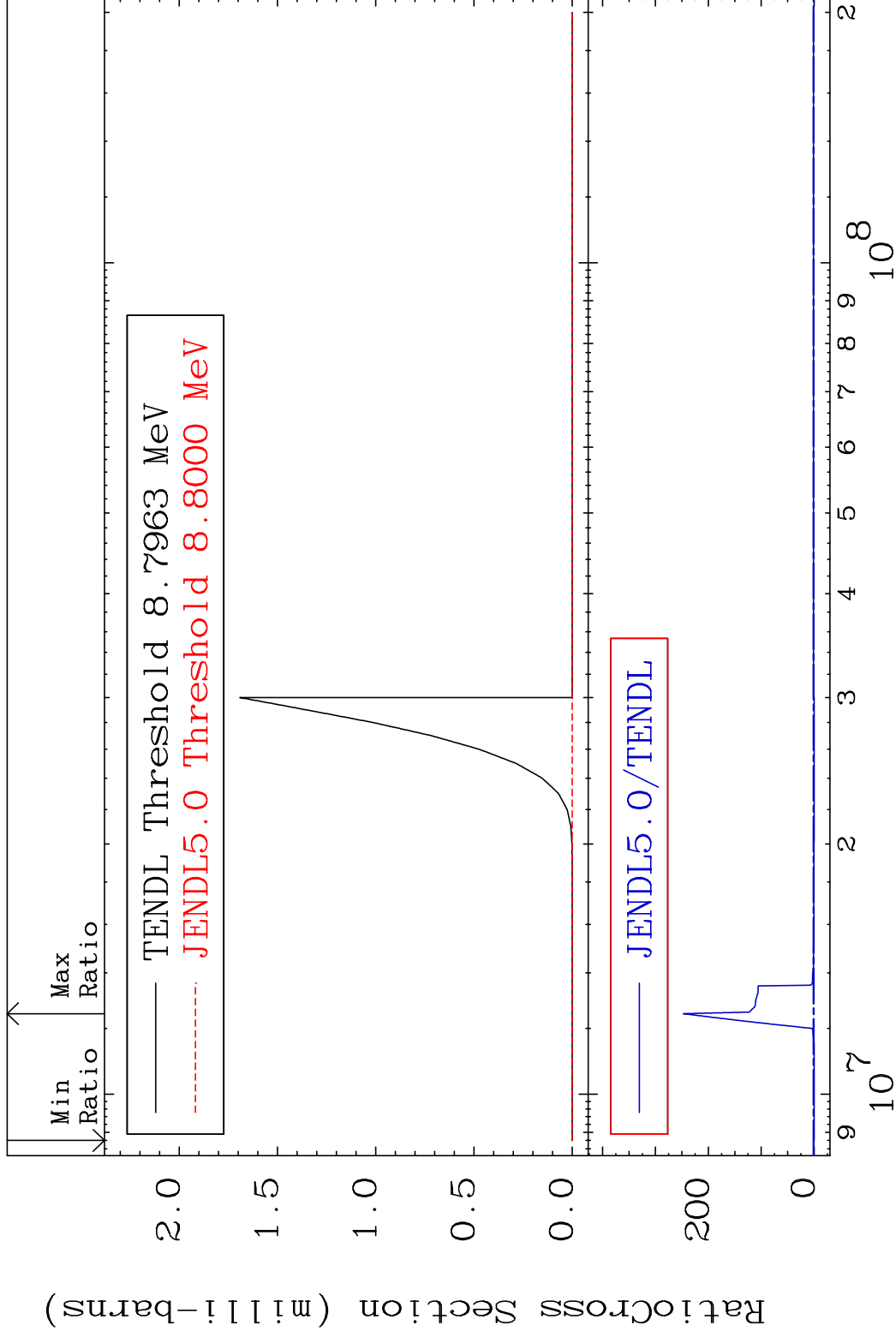
47-Ag-109

MAT 4731

(n, He-3)

47-Ag-109

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

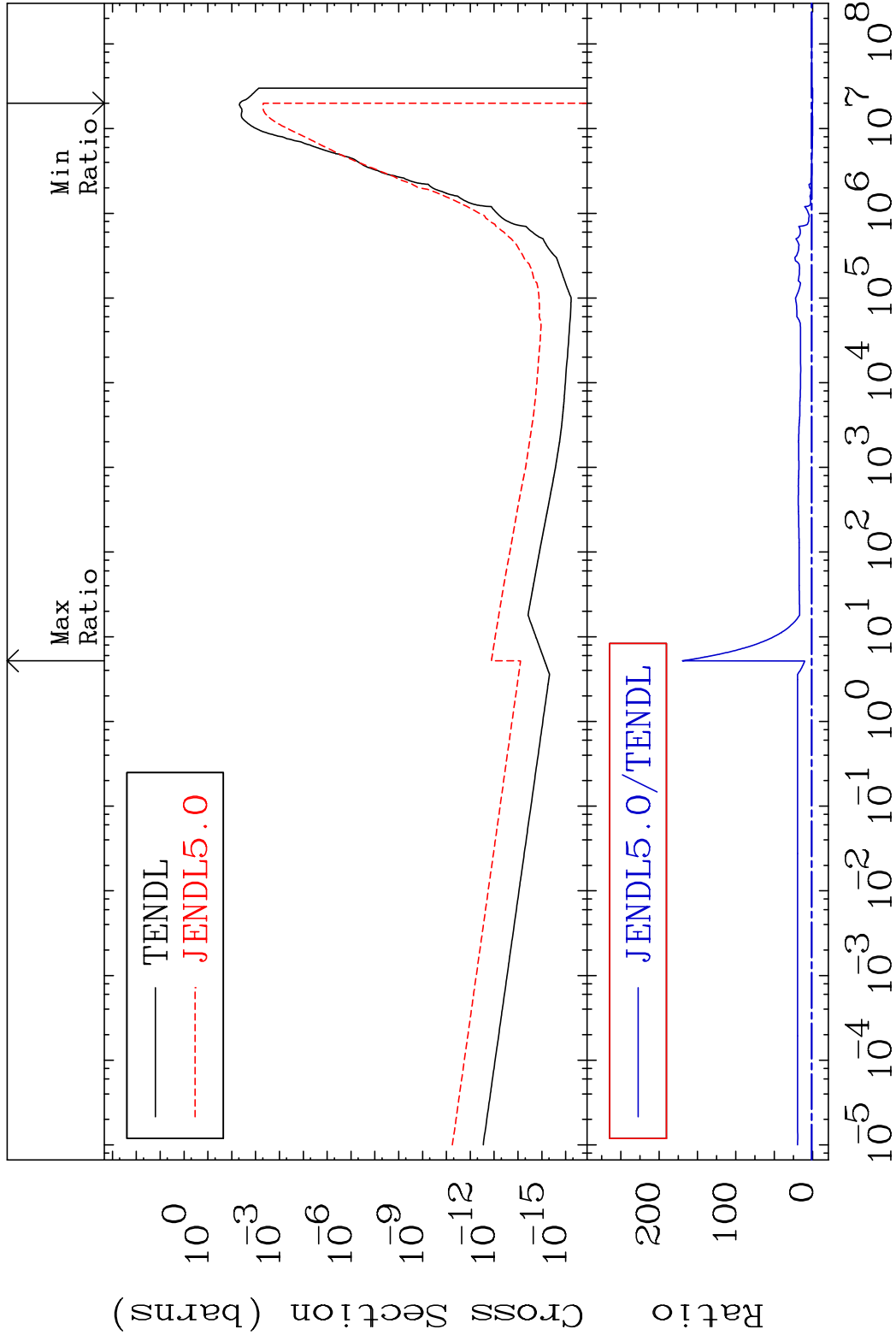
47-Ag-109

MAT 4731

(n,  $\alpha$ )

47-Ag-109

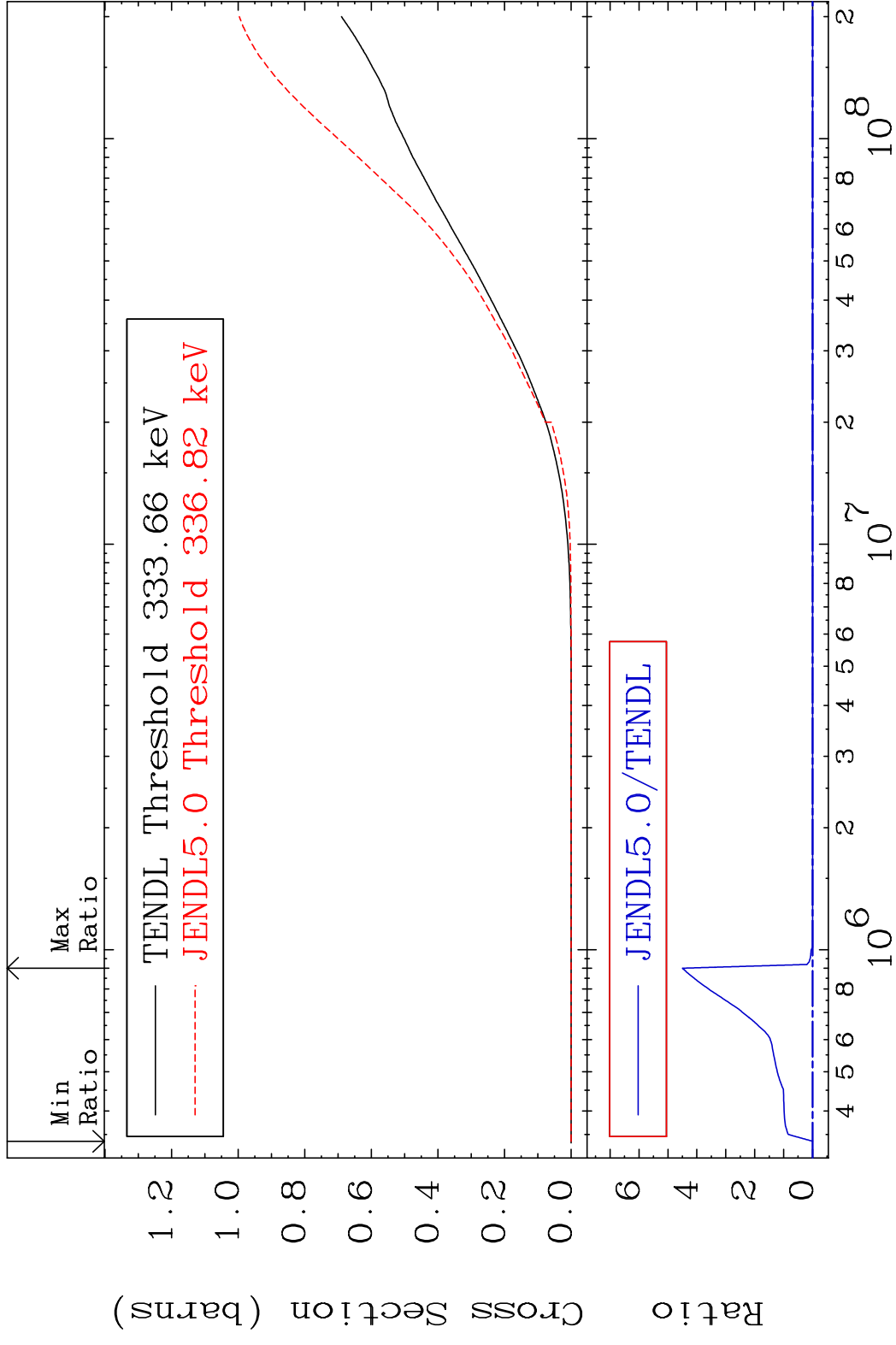
Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

47-Ag-109

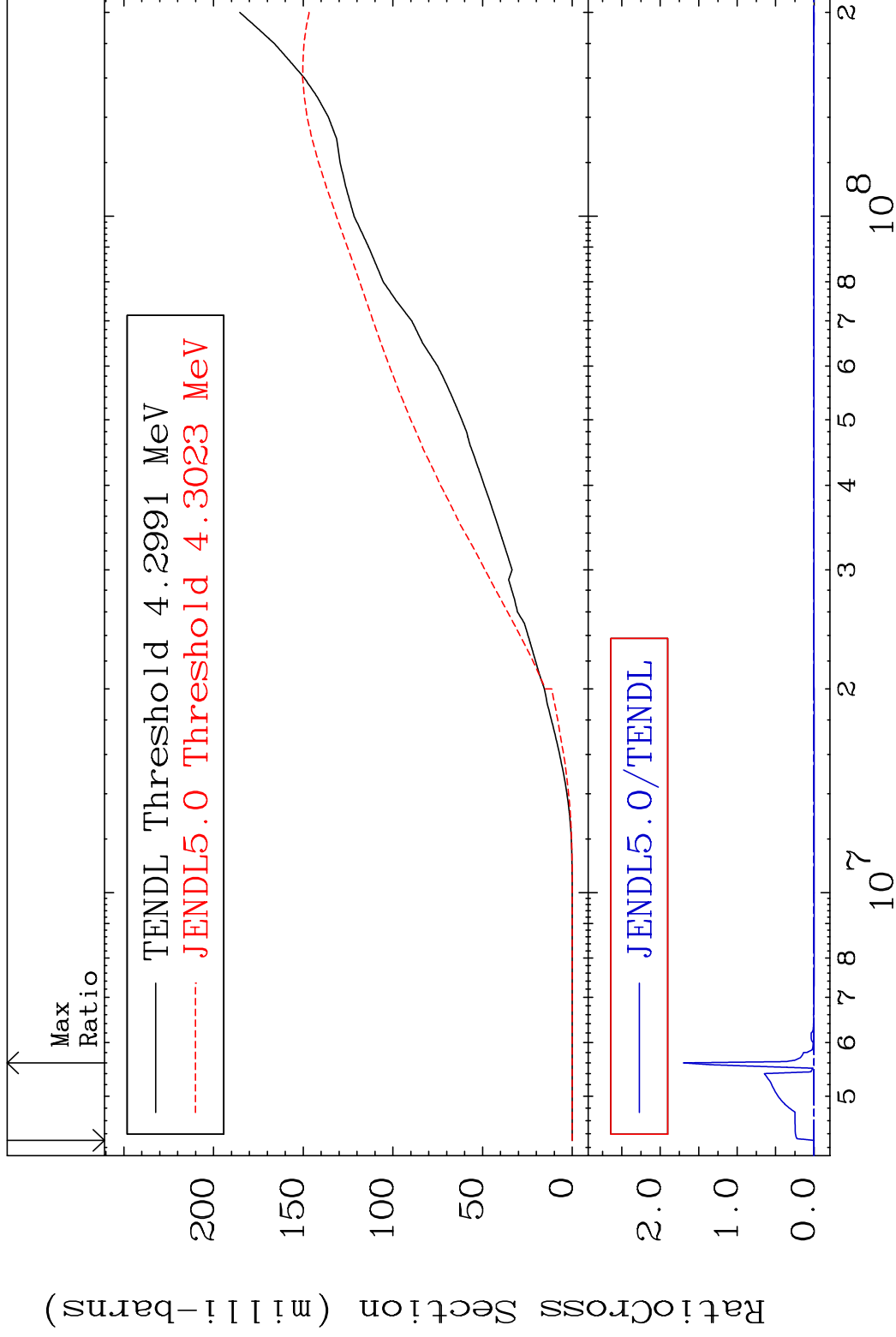


MAT 4731

Deuterium Production

47-Ag-109

Cross Section -100.0 To 9999. %



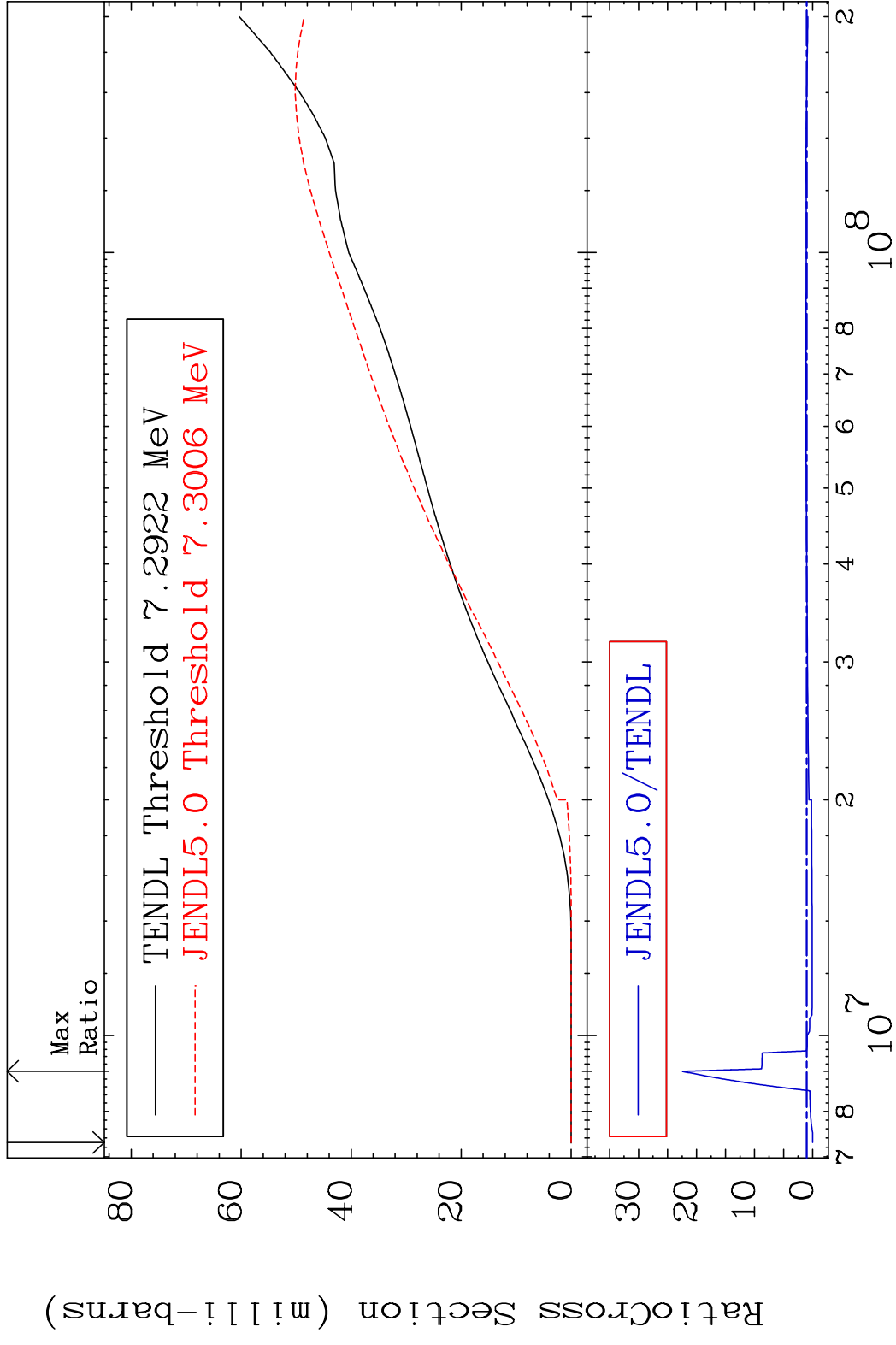
39

Incident Energy (eV)

47-Ag-109



MAT 4731 Tritium Production 47-Ag-109  
 Cross Section -100.0 To 2145. %



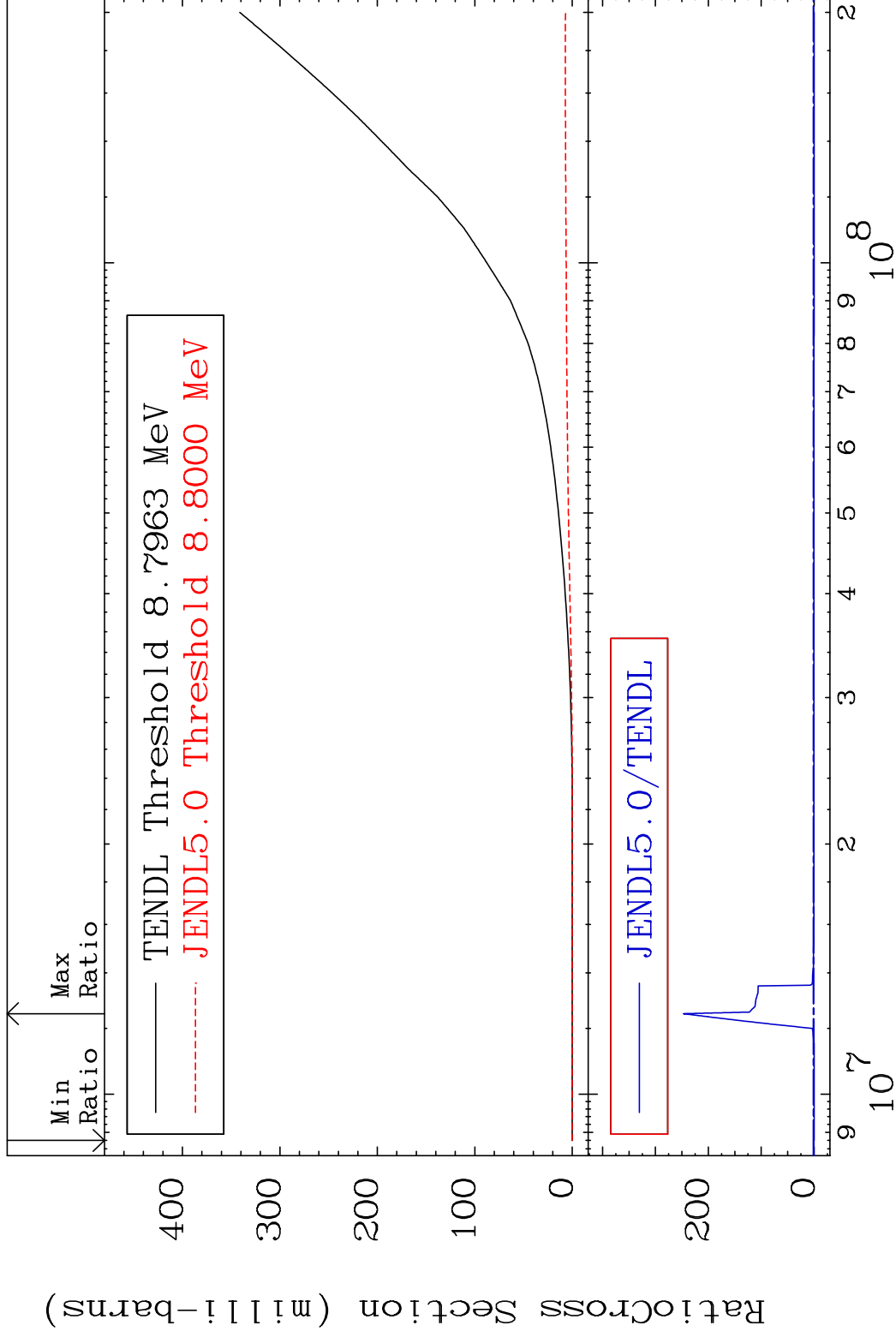
40 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2 47-Ag-109

MAT 4731

He-3 Production

47-Ag-109

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

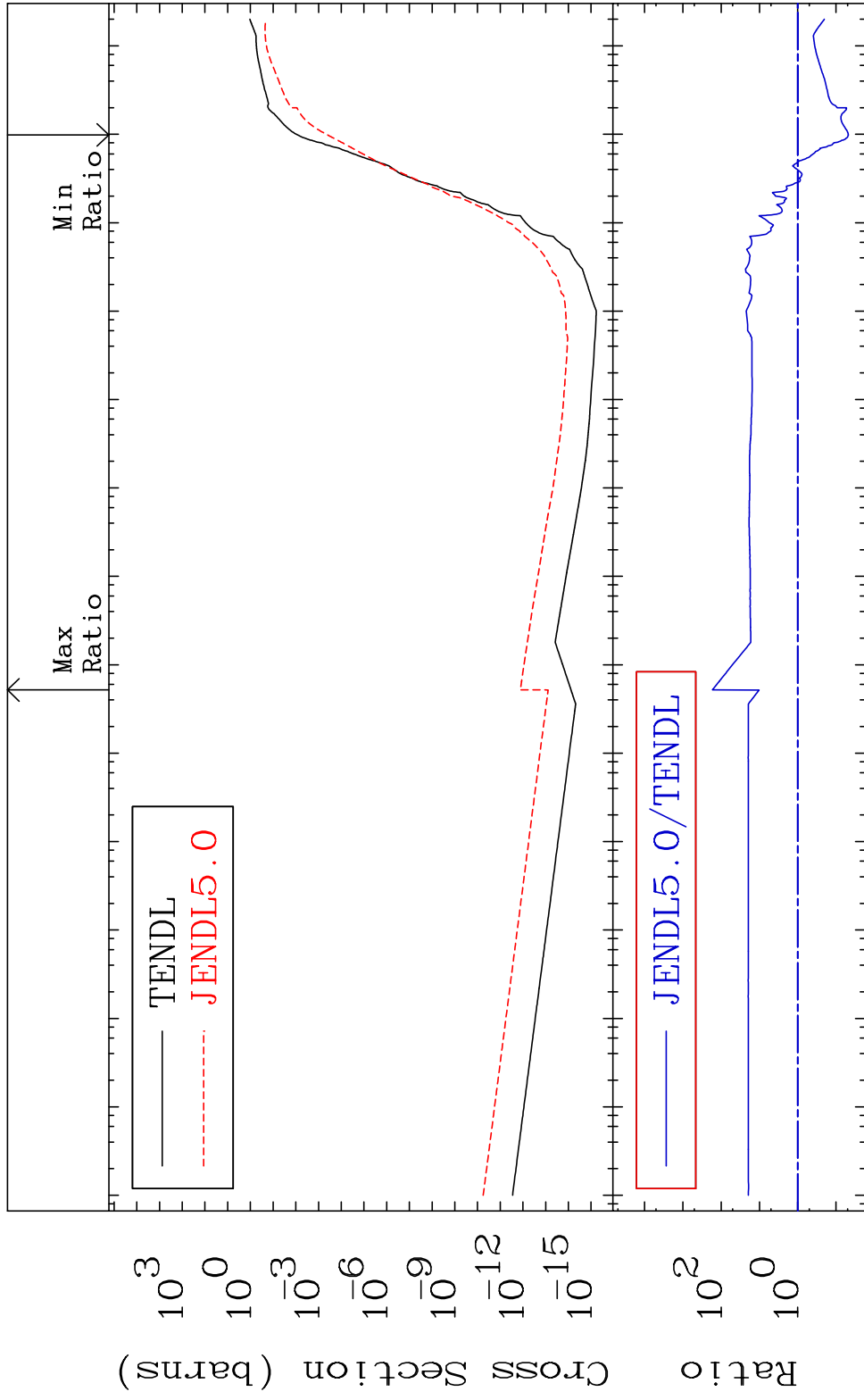
47-Ag-109

MAT 4731

He-4 Production

47-Ag-109

Cross Section -95.21 To 9999. %



42

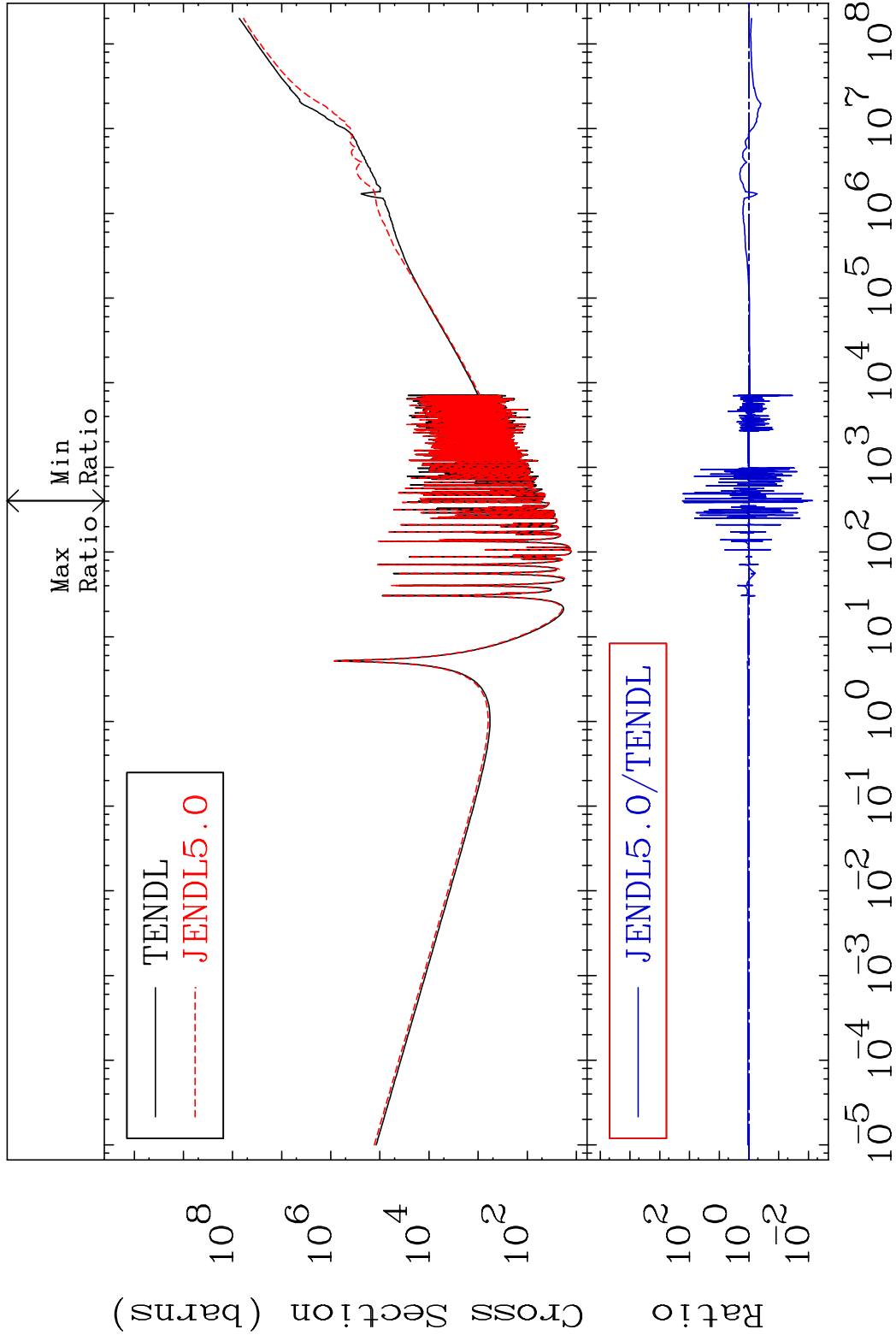
Incident Energy (eV)

47-Ag-109

MAT 4731

Kerma total (eV-barns) 47-Ag-109

Cross Section -99.27 To 9999. %



43

Incident Energy (eV)

47-Ag-109

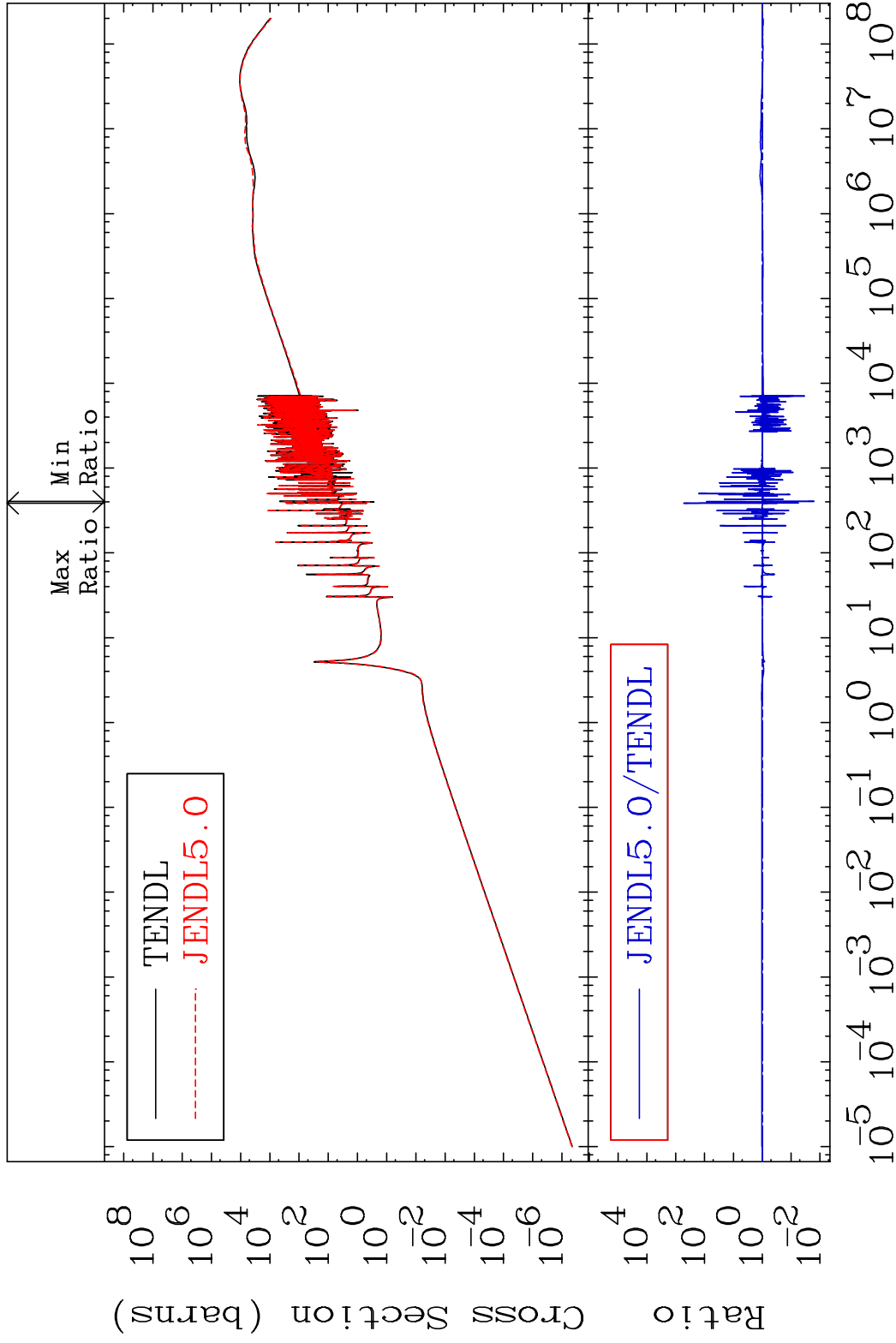
MAT 4731

Kerma elastic

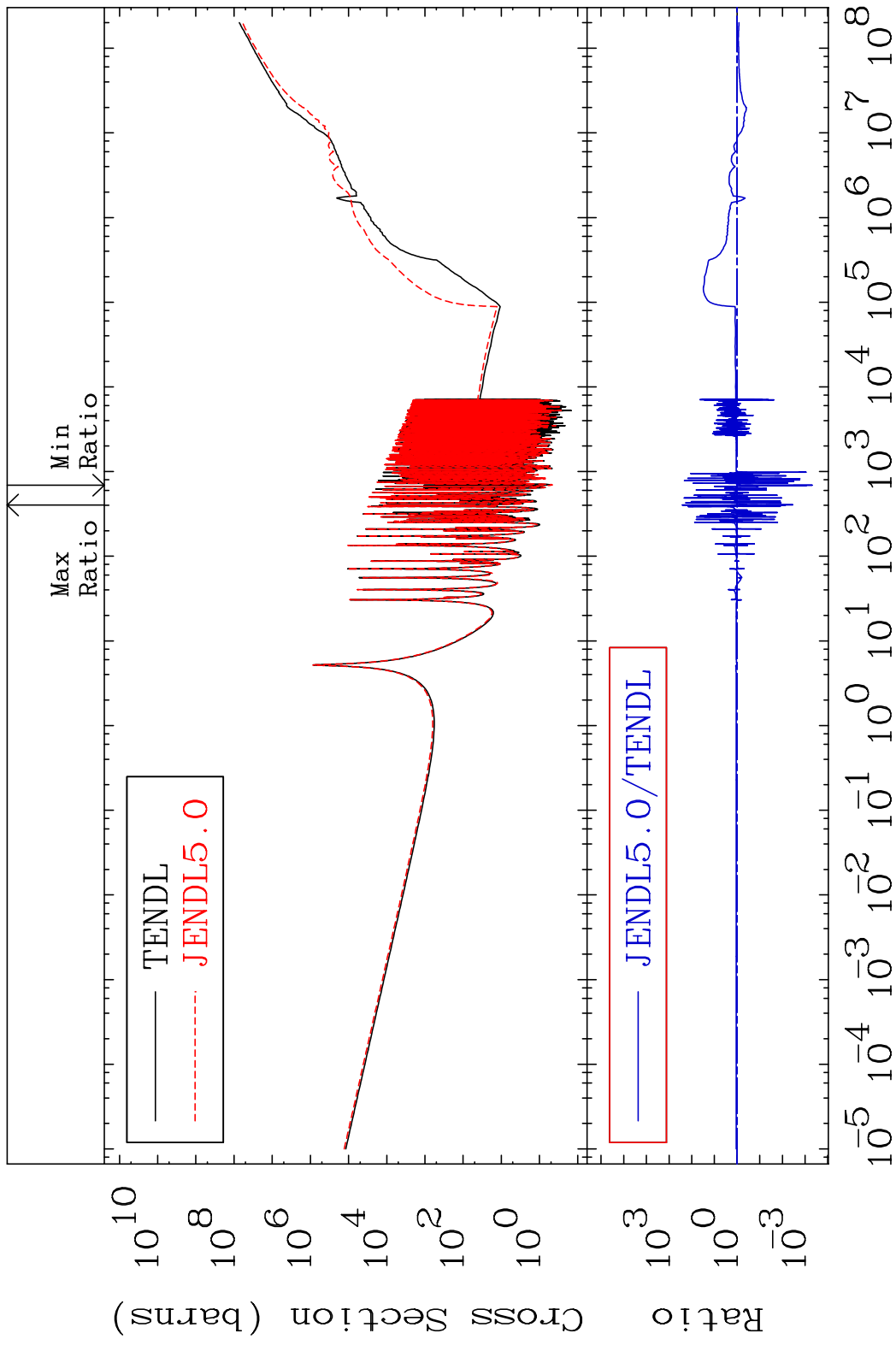
47-Ag-109

Cross Section

-98.42 To 9999. %

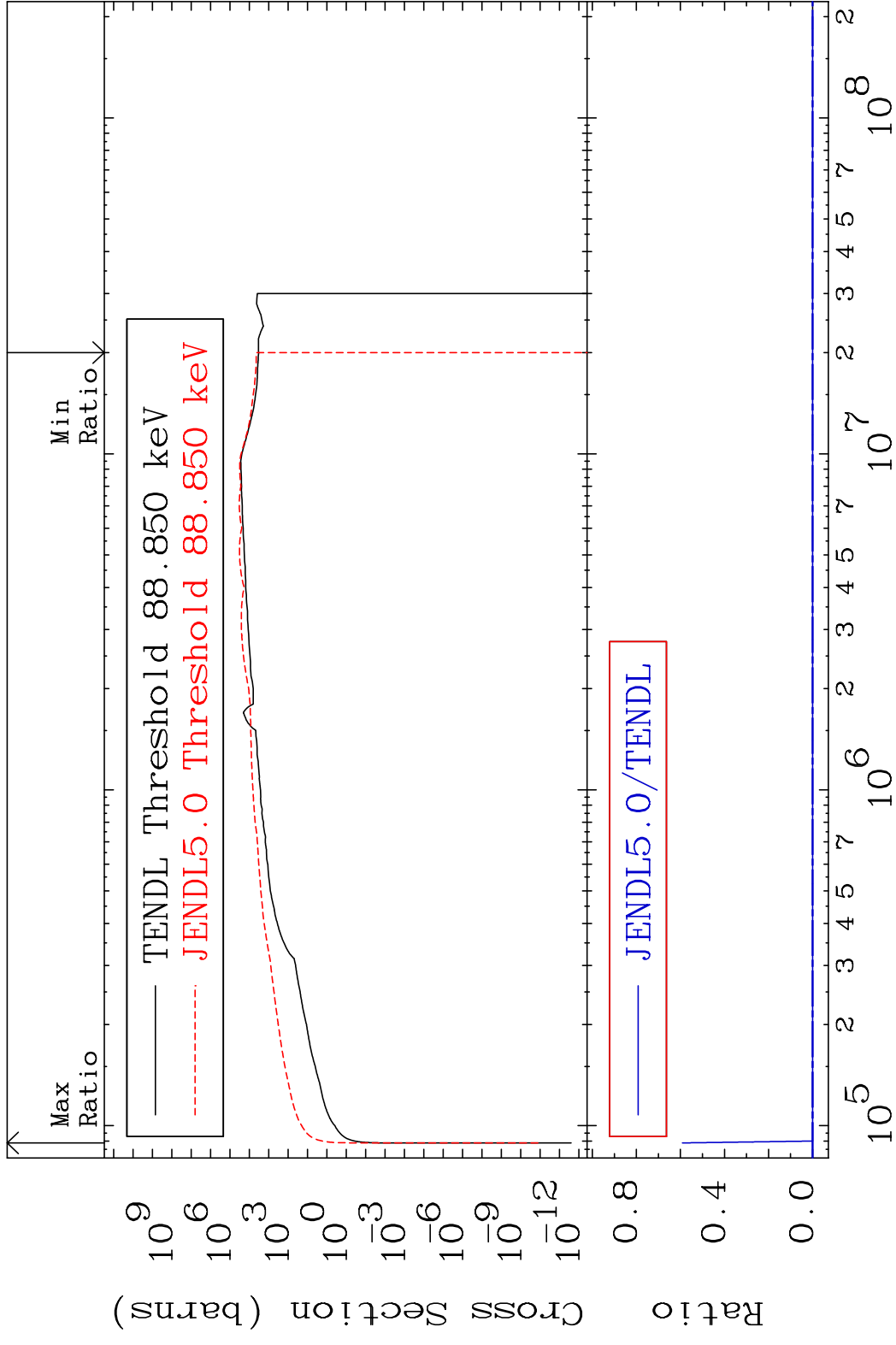


MAT 4731 Kerma non-elastic (all but mt2) 47-Ag-109  
 Cross Section -99.95 To 9999. %



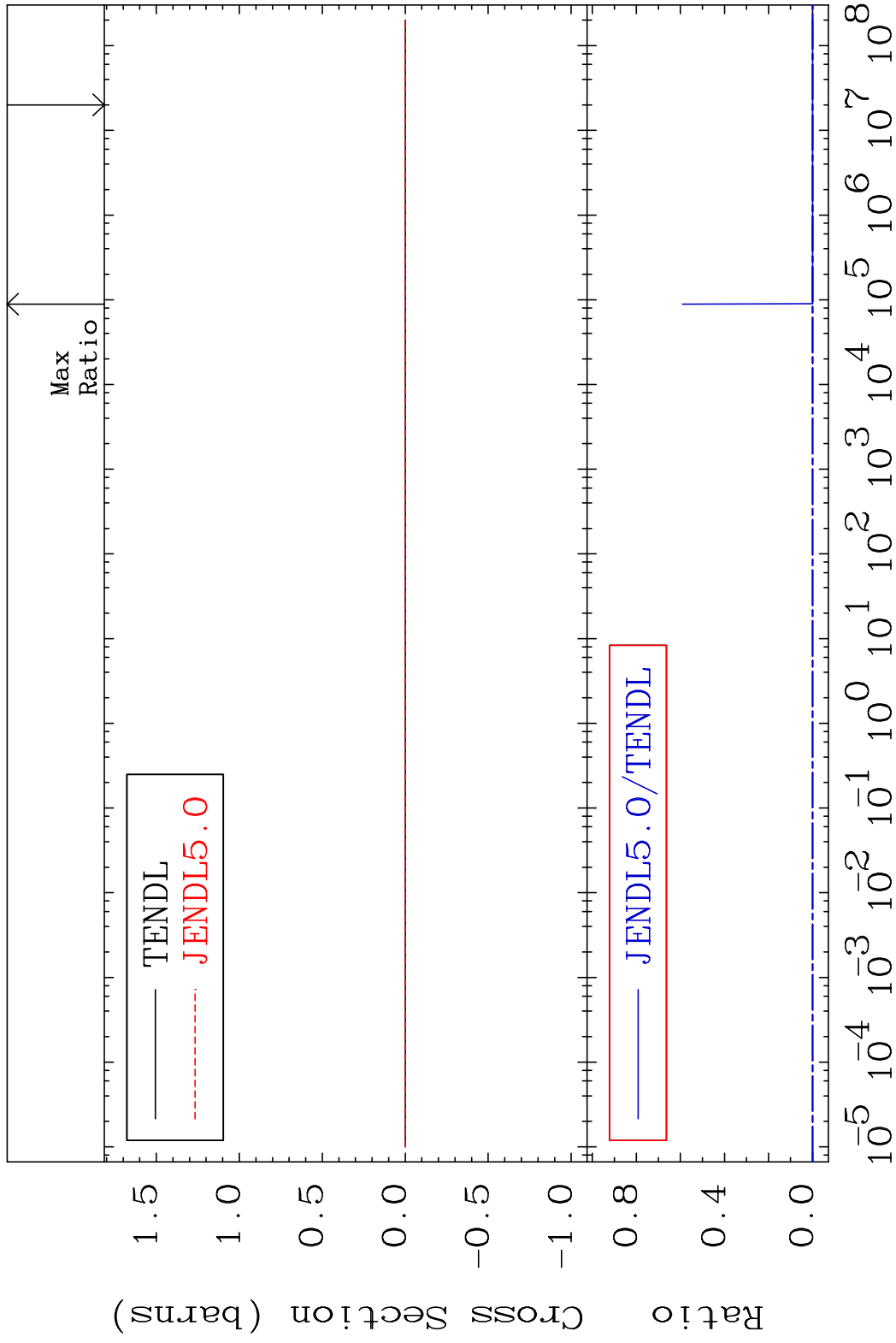
45 Incident Energy (eV) 47-Ag-109

MAT 4731 Kerma inelastic (mt51-91) 47-Ag-109  
 Cross Section -100.0 To 9999. %



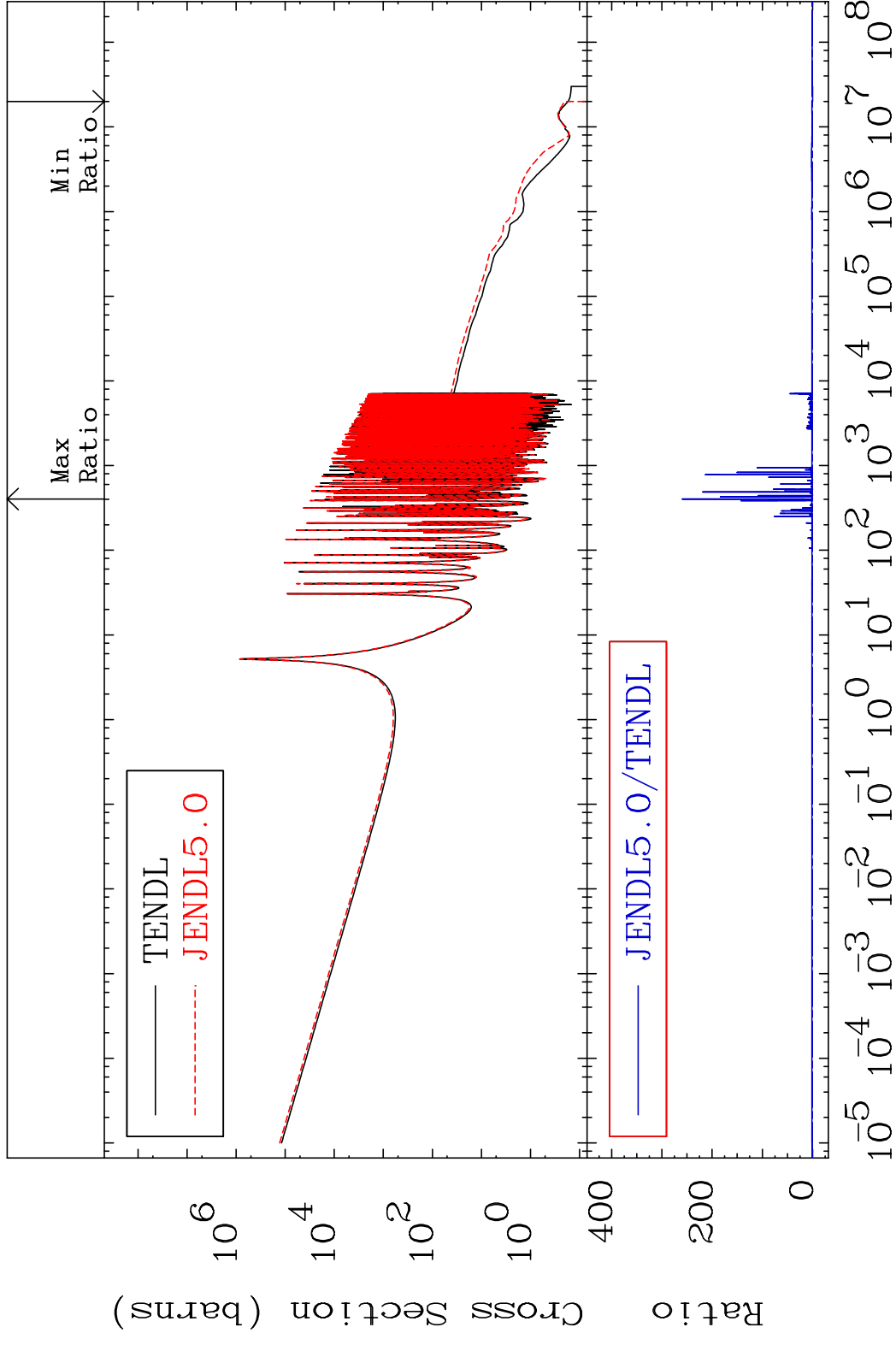
46 Incident Energy (eV) 47-Ag-109

MAT 4731 Kerma fission (mt18 or mt19-20-21-38) #7-Ag-109  
 Cross Section -100.0 To 9999. %

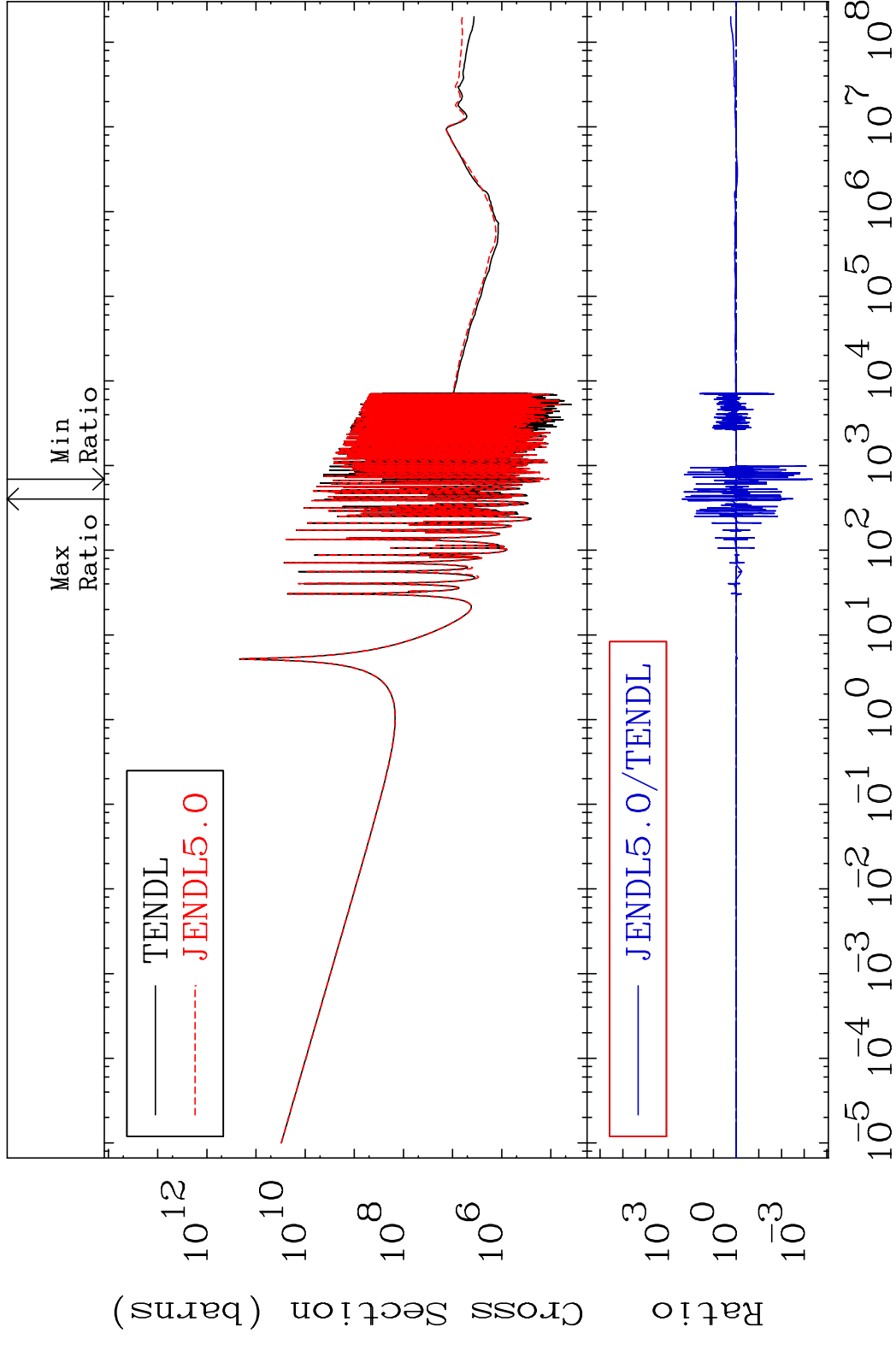




MAT 4731 Kerma capture (mt102) 47-Ag-109  
 Cross Section -100.0 To 9999. %

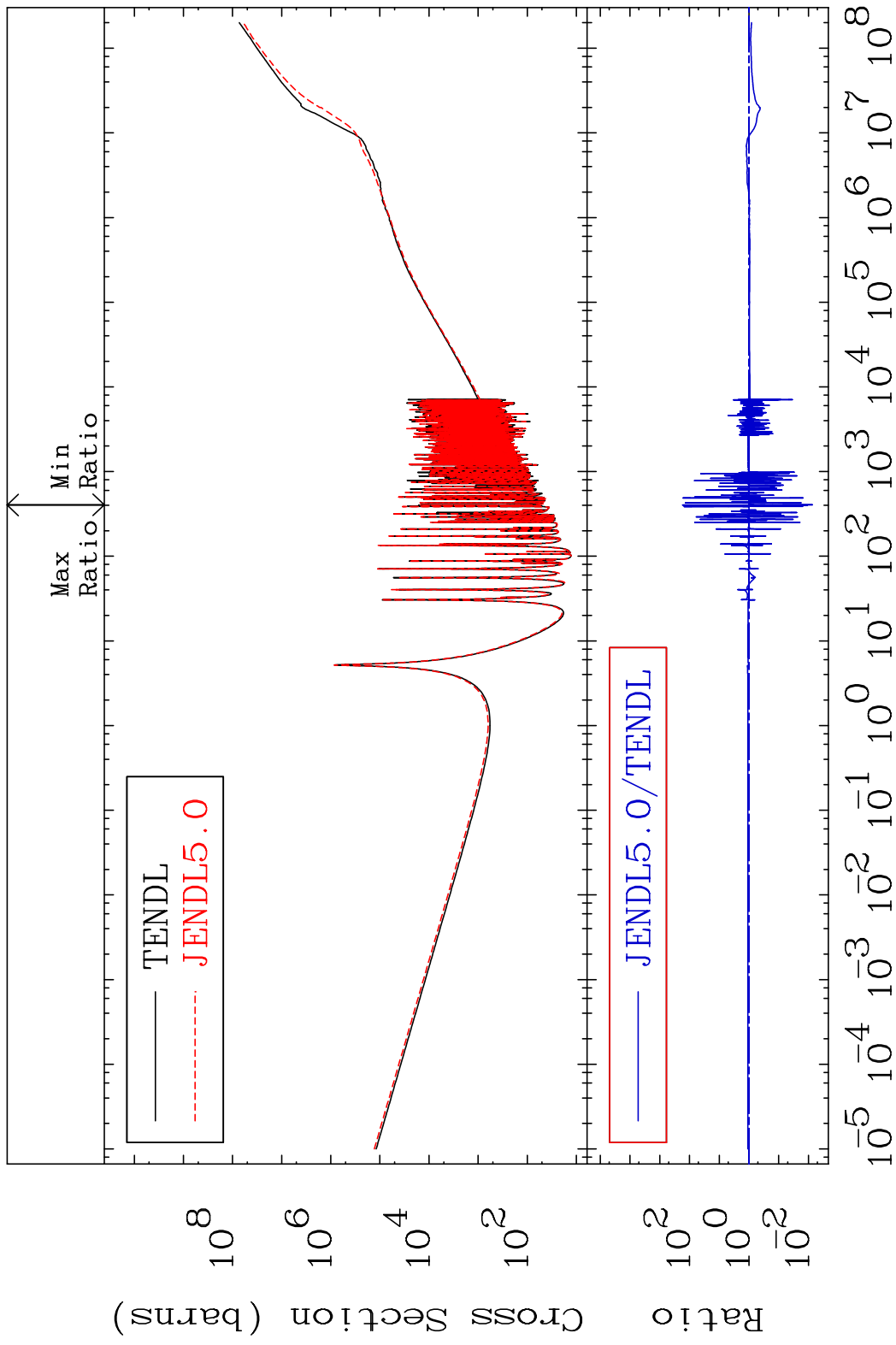


MAT 4731 Total photon (eV-barns) 47-Ag-109  
 Cross Section -99.96 To 9999. %



49 Incident Energy (eV) 47-Ag-109

MAT 4731 Total kinematic kerma (high limit) 47-Ag-109  
 Cross Section -99.27 To 9999. %

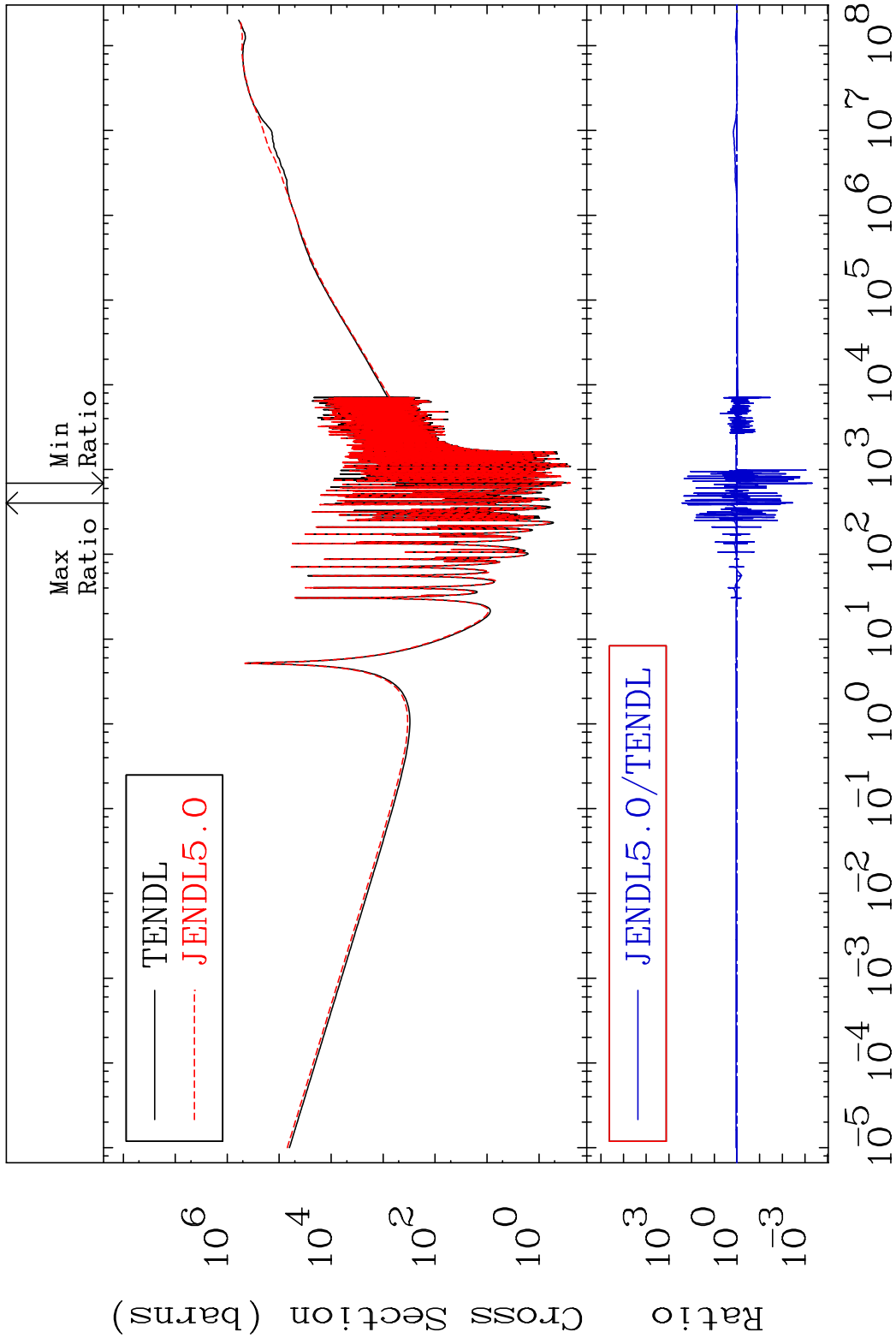


MAT 4731

Dpa total (eV-barns)

47-Ag-109

Cross Section -99.95 To 9999. %



51

Incident Energy (eV)

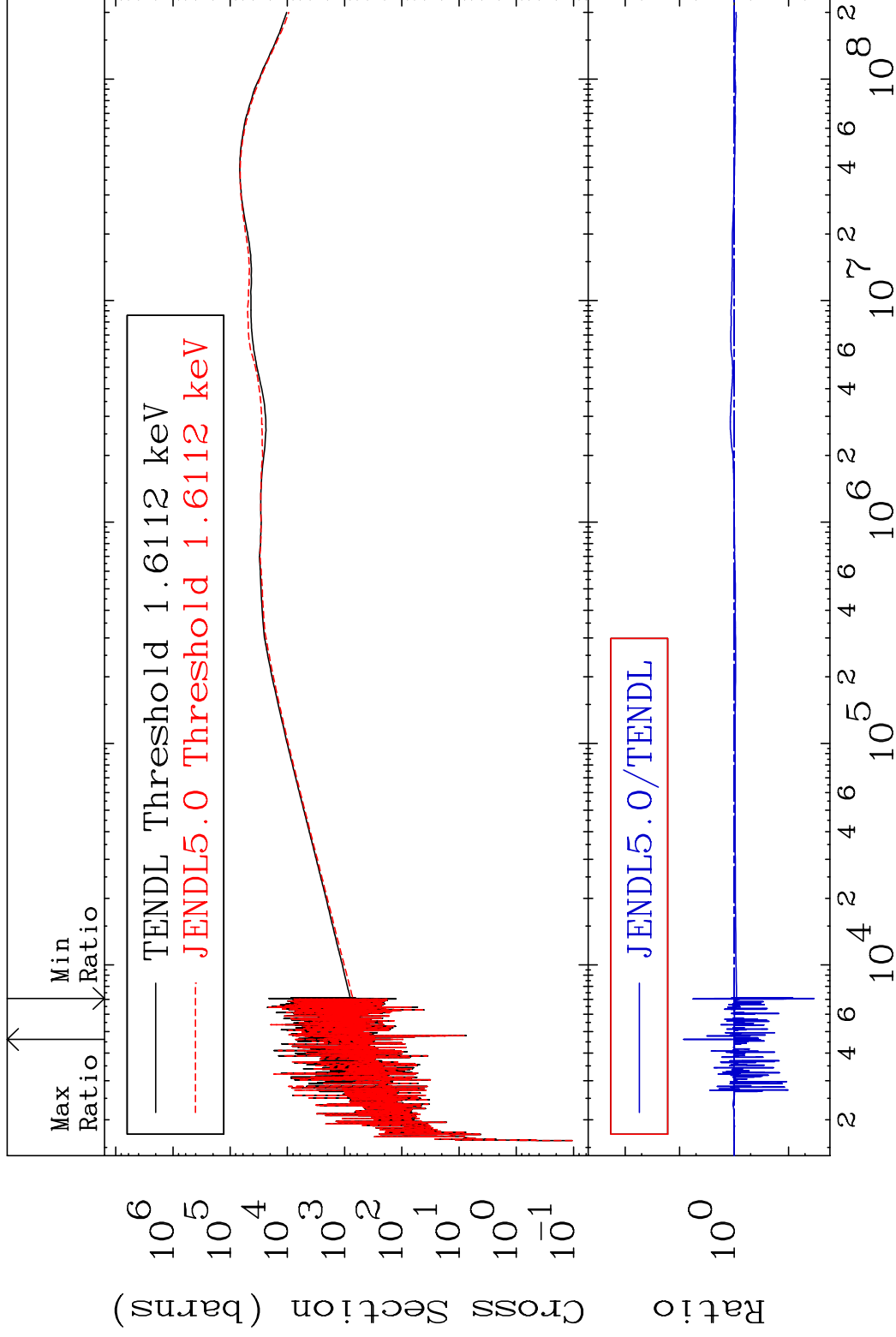
47-Ag-109

MAT 4731

Dpa elastic (mt2)

47-Ag-109

Cross Section -96.59 To 745.5 %



52

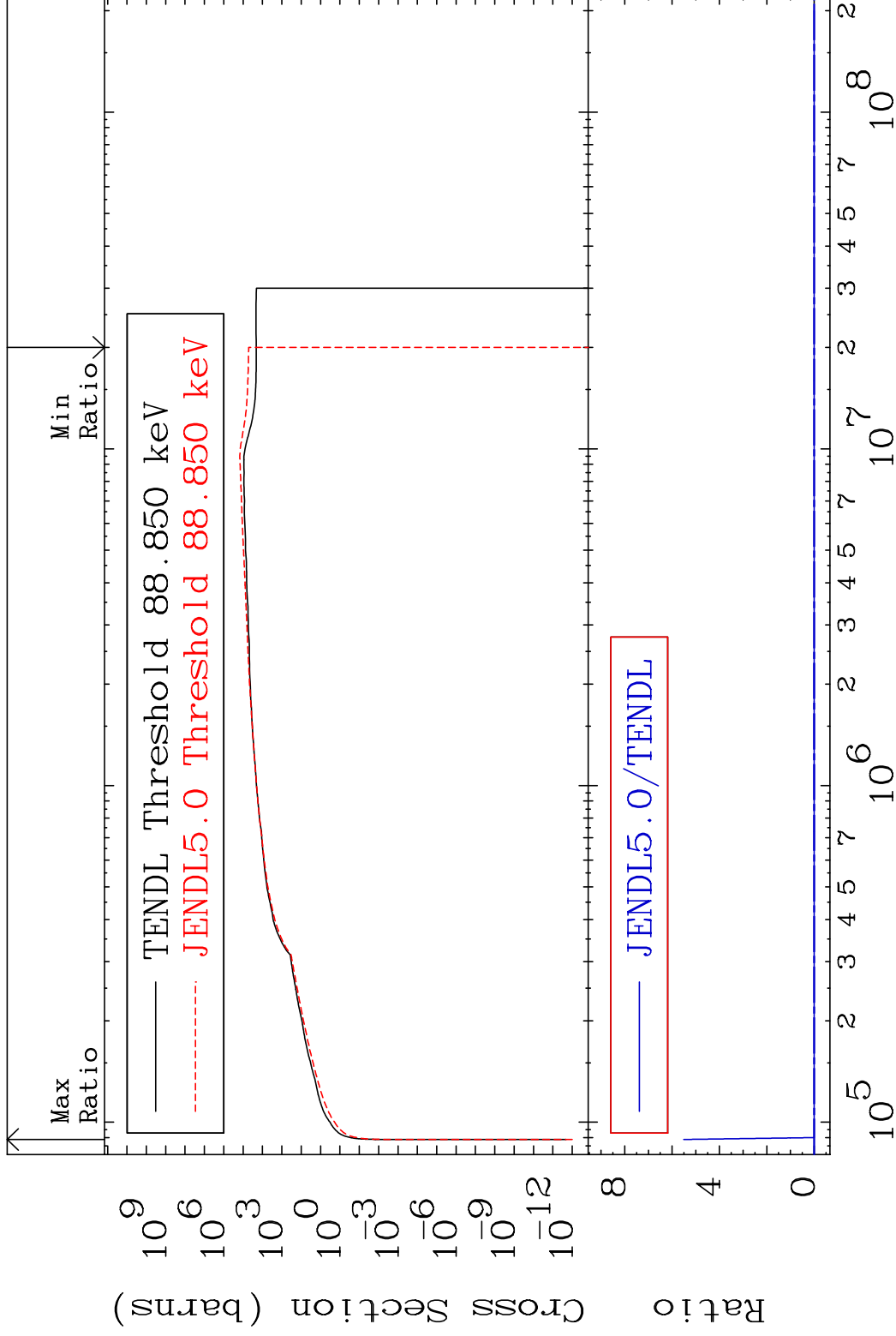
Incident Energy (eV)

47-Ag-109

MAT 4731

Dpa inelastic (mt51-91) 47-Ag-109

Cross Section -100.0 To 9999. %

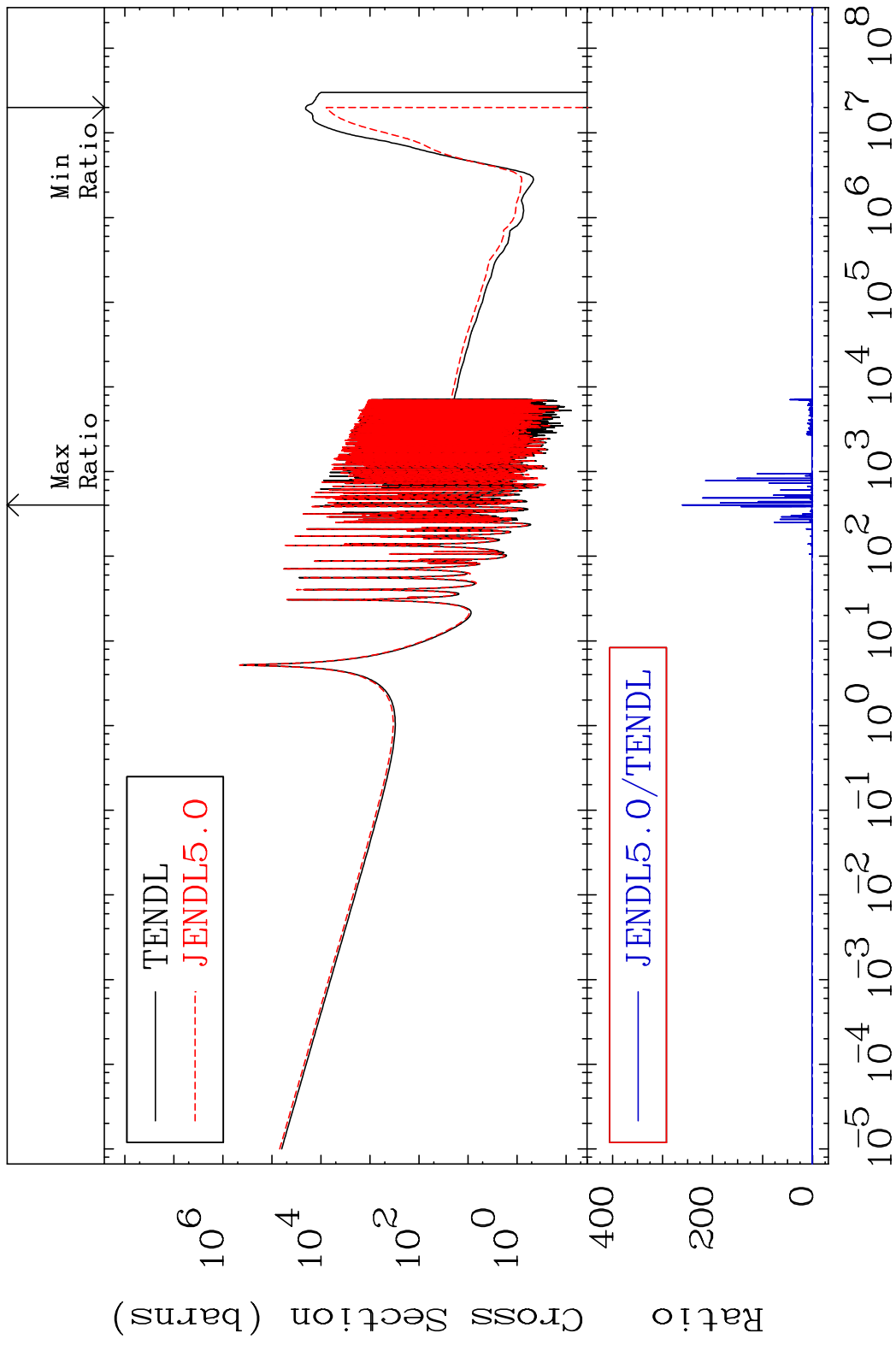


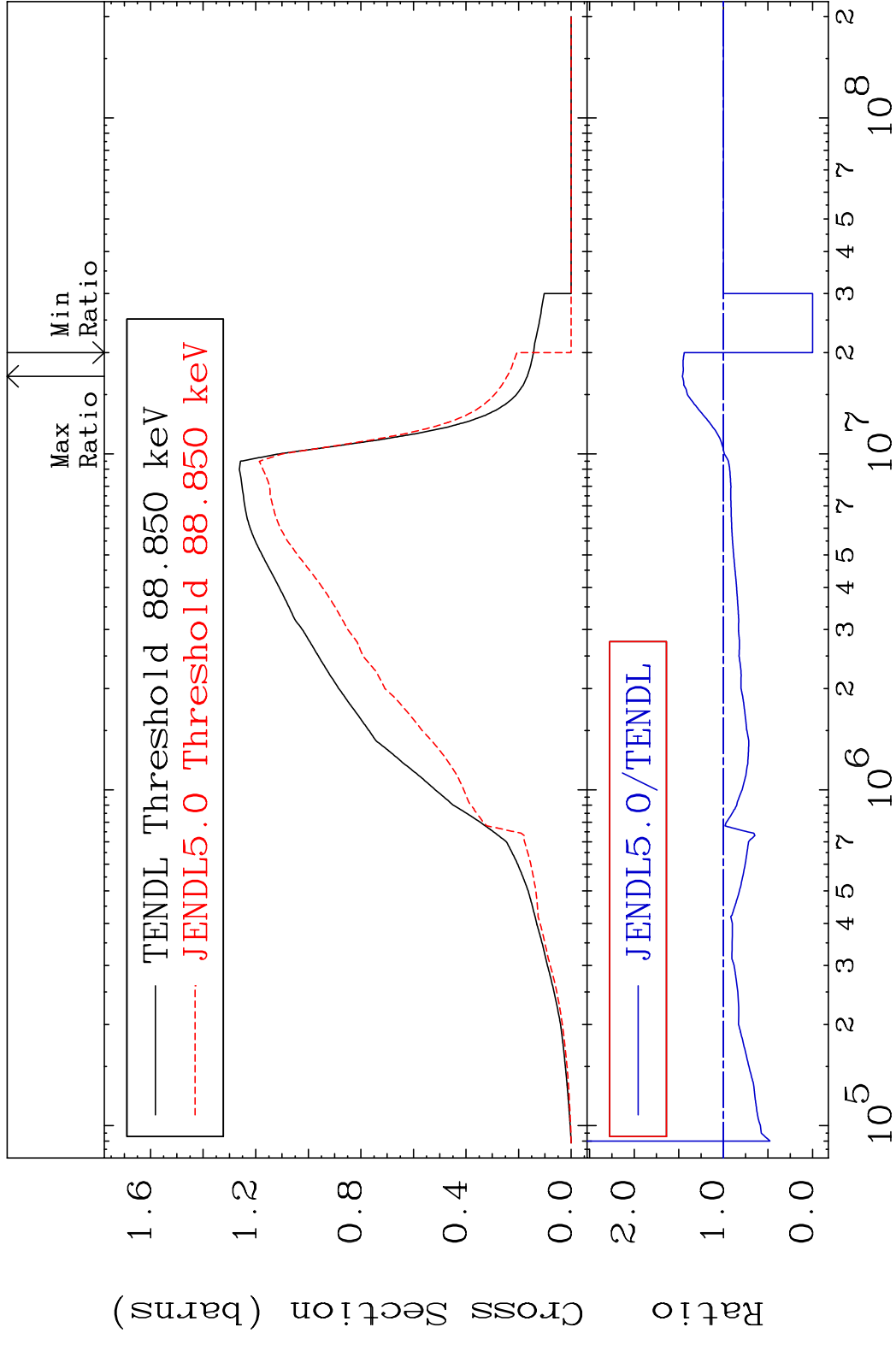
53

Incident Energy (eV)

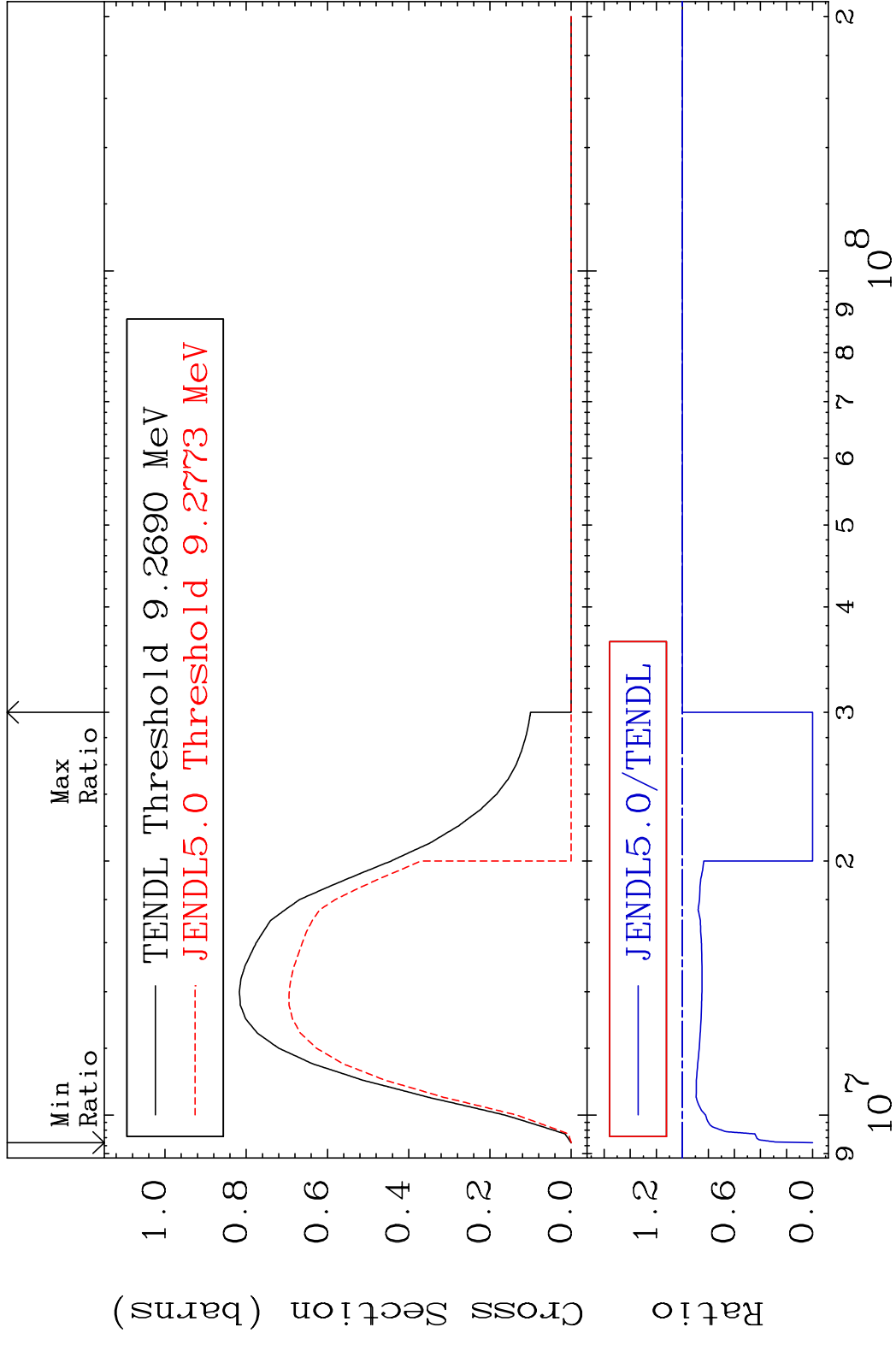
47-Ag-109

MAT 4731 Dpa disappearance (mt102 -120) 47-Ag-109  
 Cross Section -100.0 To 9999. %

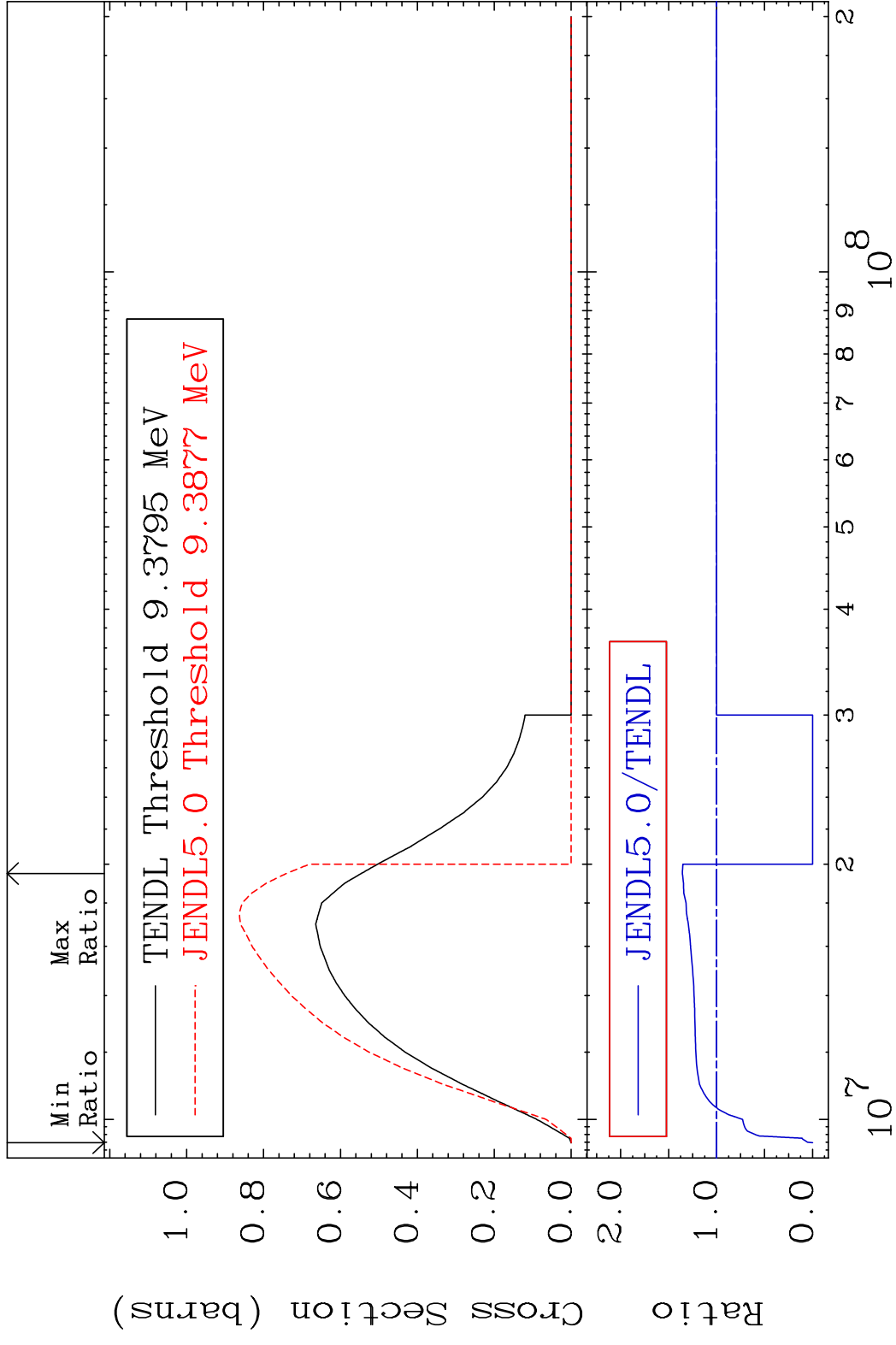




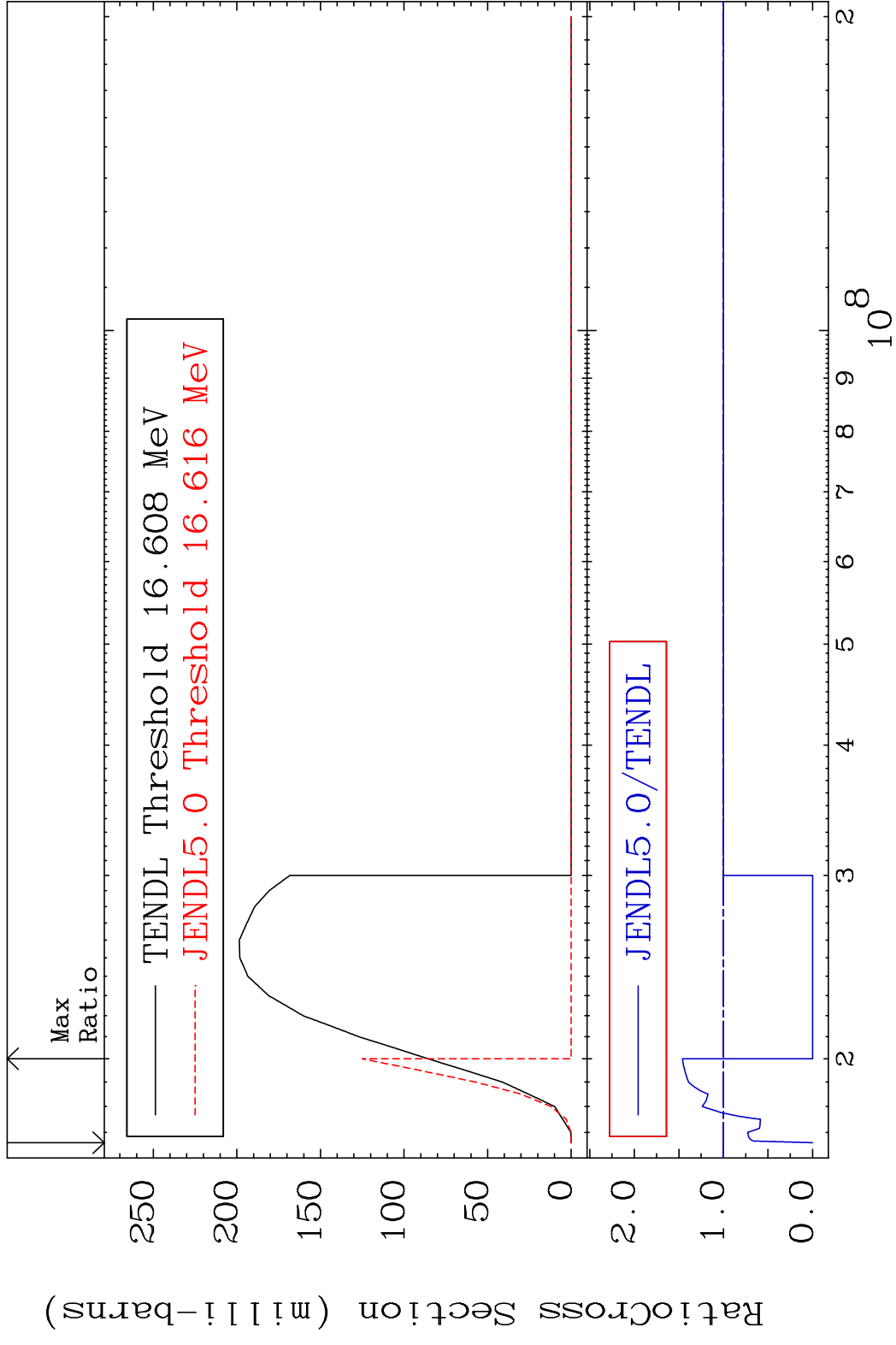




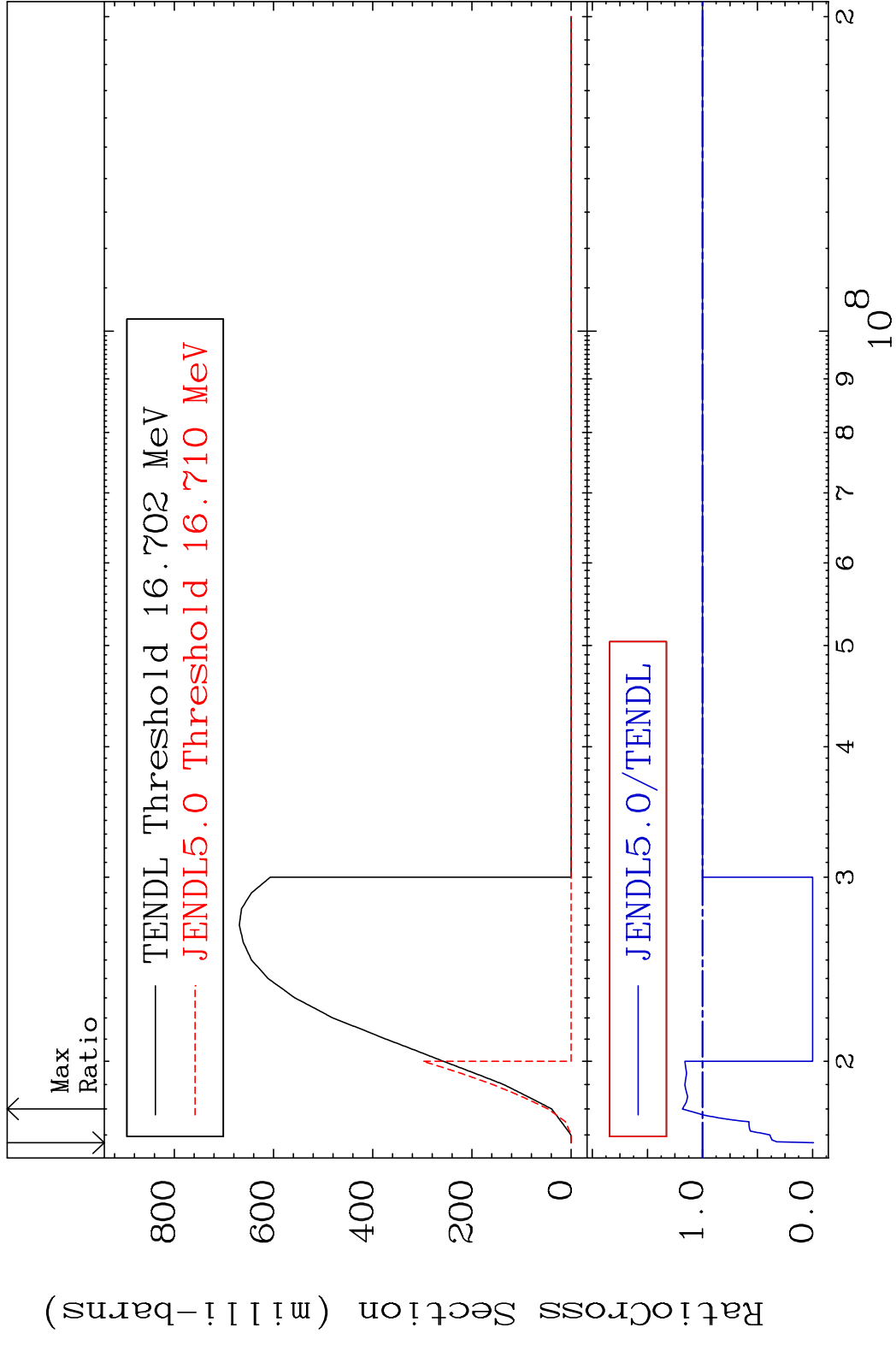
MAT 4731 (n,2n): 47-Ag-108m2 47-Ag-109  
 Radionuclide Production Cross Section Ratio 35.72 %



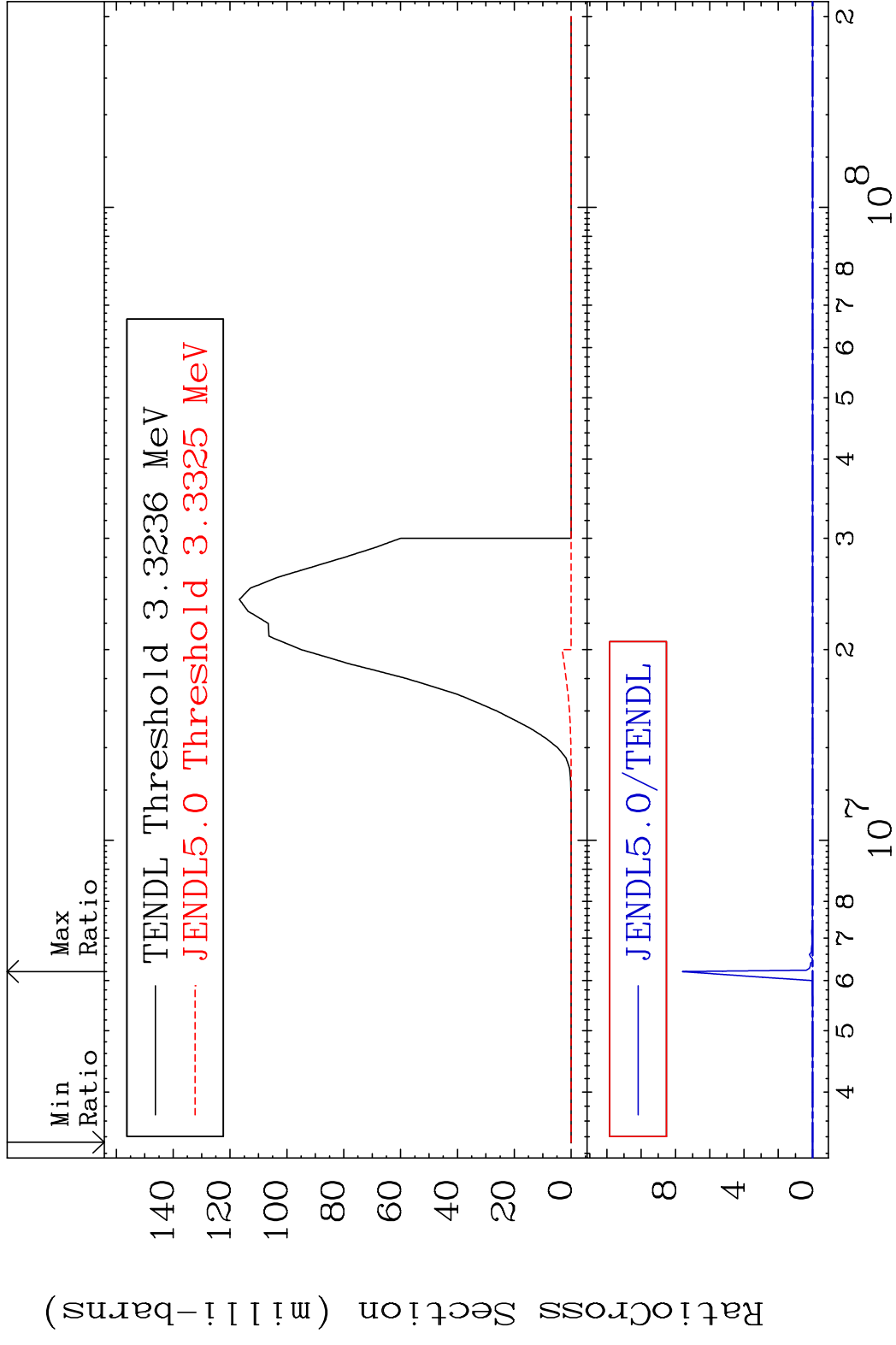
MAT 4731 (n,3n):47-Ag-107g 47-Ag-109  
 Radionuclide Production Cross Section 180.01 dth 46.08 %

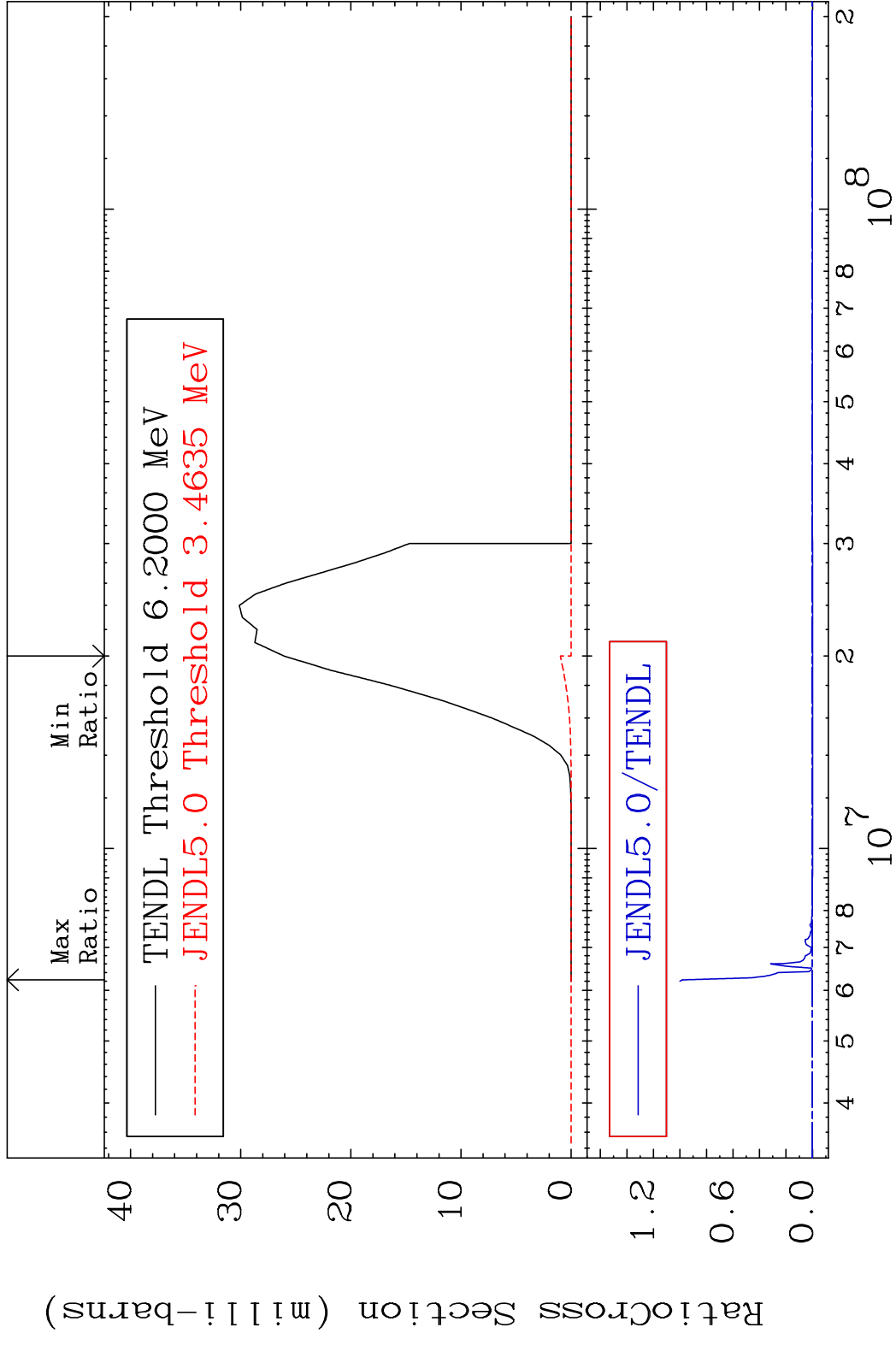


MAT 4731 (n, 3n) : 47-Ag-107m1 47-Ag-109  
 Radionuclide Production Cross Section 18.25 %

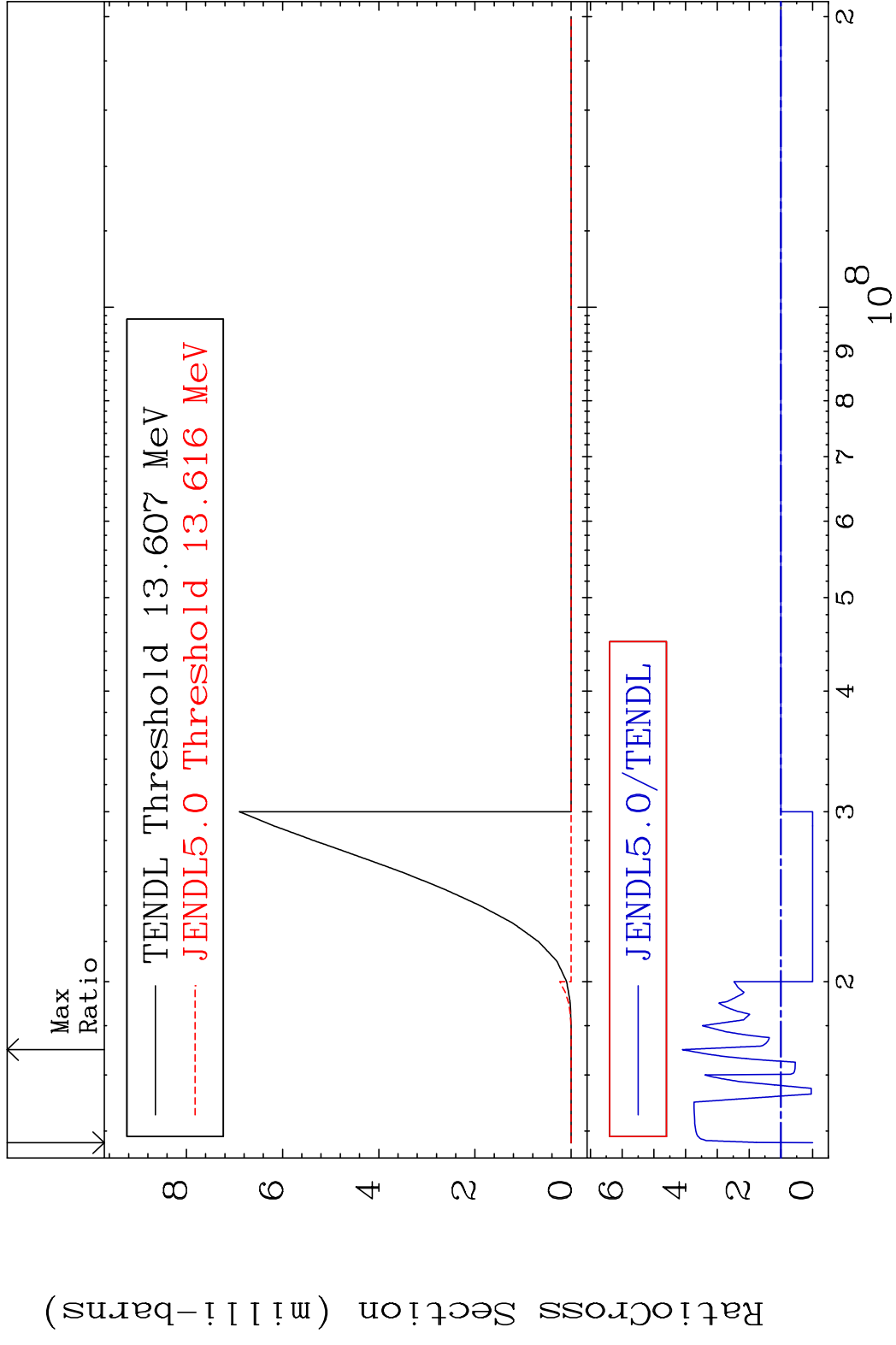


MAT 4731 (n, n')  $\alpha$ :45-Rh-105g 47-Ag-109  
 Radionuclide Production Cross Section to 9999. %

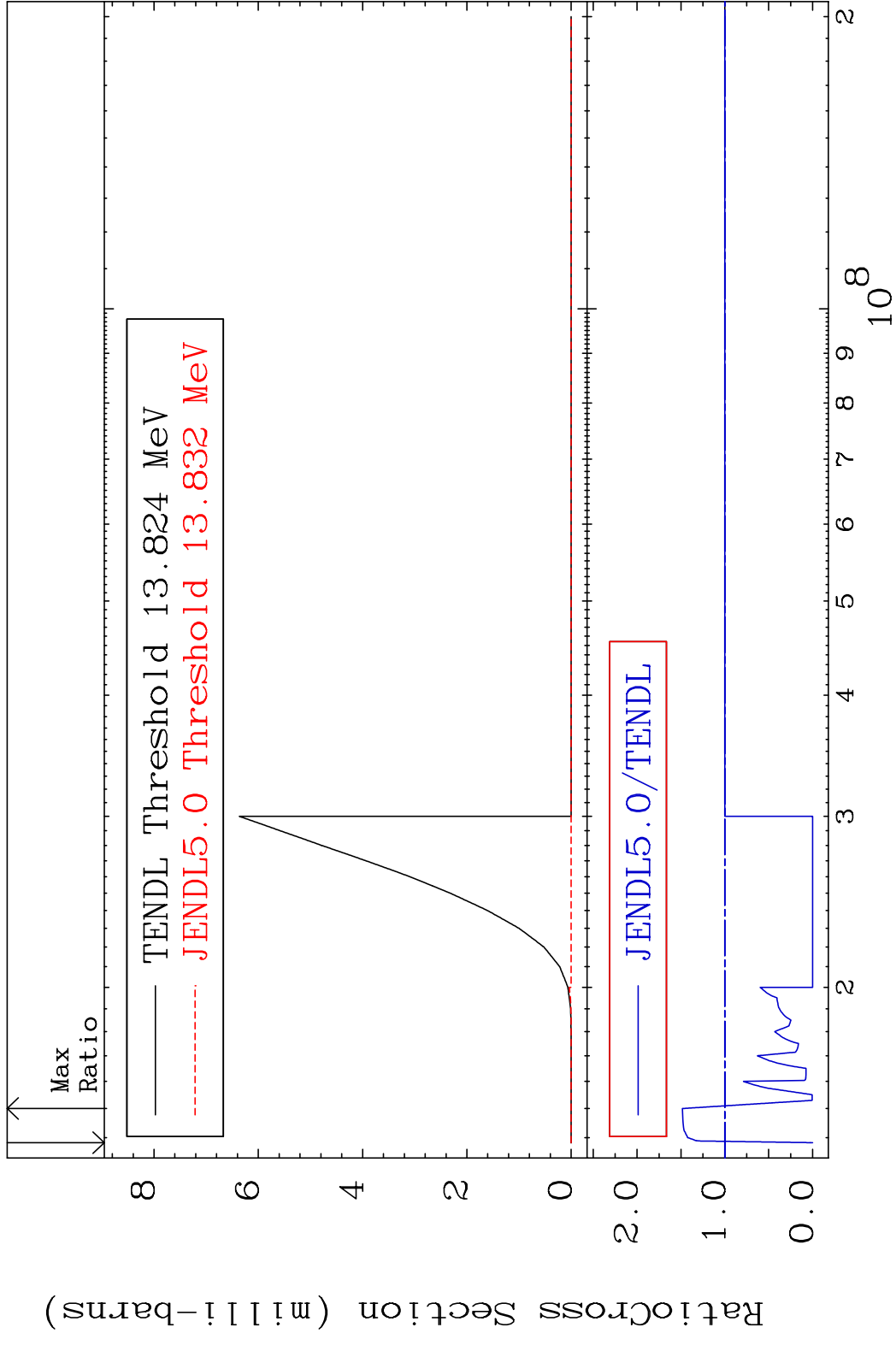




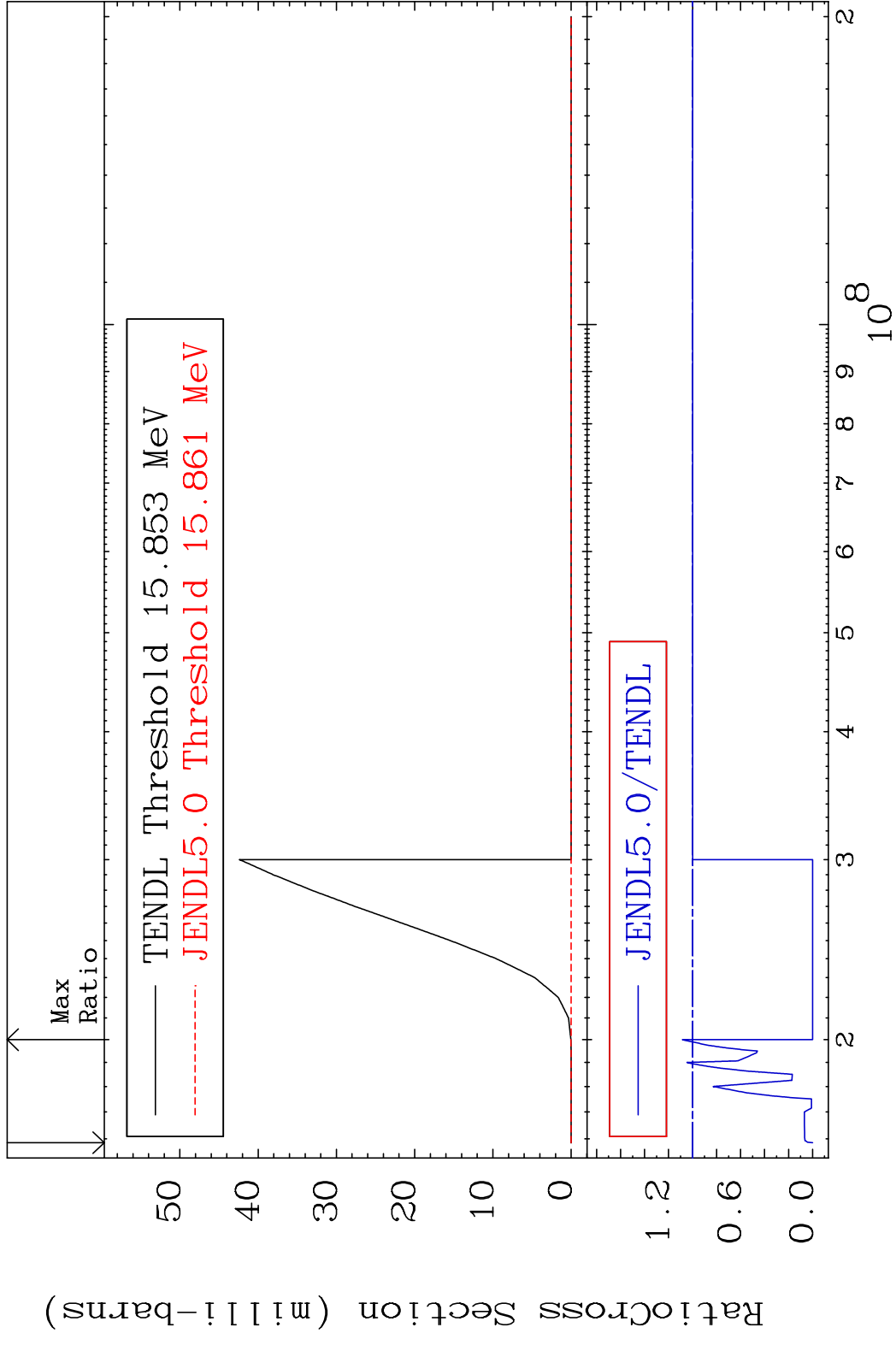
MAT 4731 (n, n') d:46-Pd-107g 47-Ag-109  
 Radionuclide Production Cross Section 180.0 dth 310.4 %



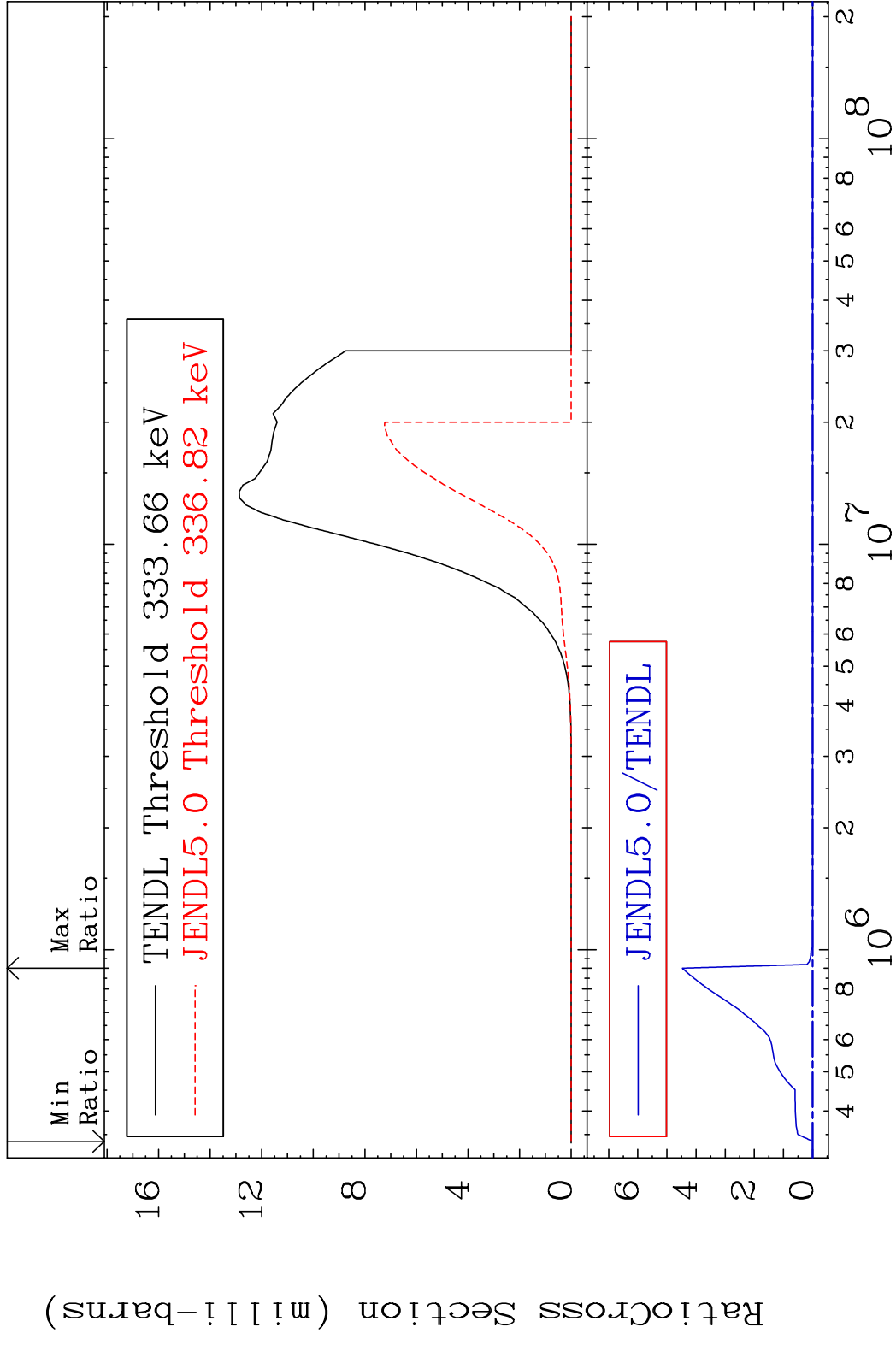
MAT 4731 (n, n') d:46-Pd-107m2 47-Ag-109  
 Radionuclide Production Cross Section Ratio 48.42 %

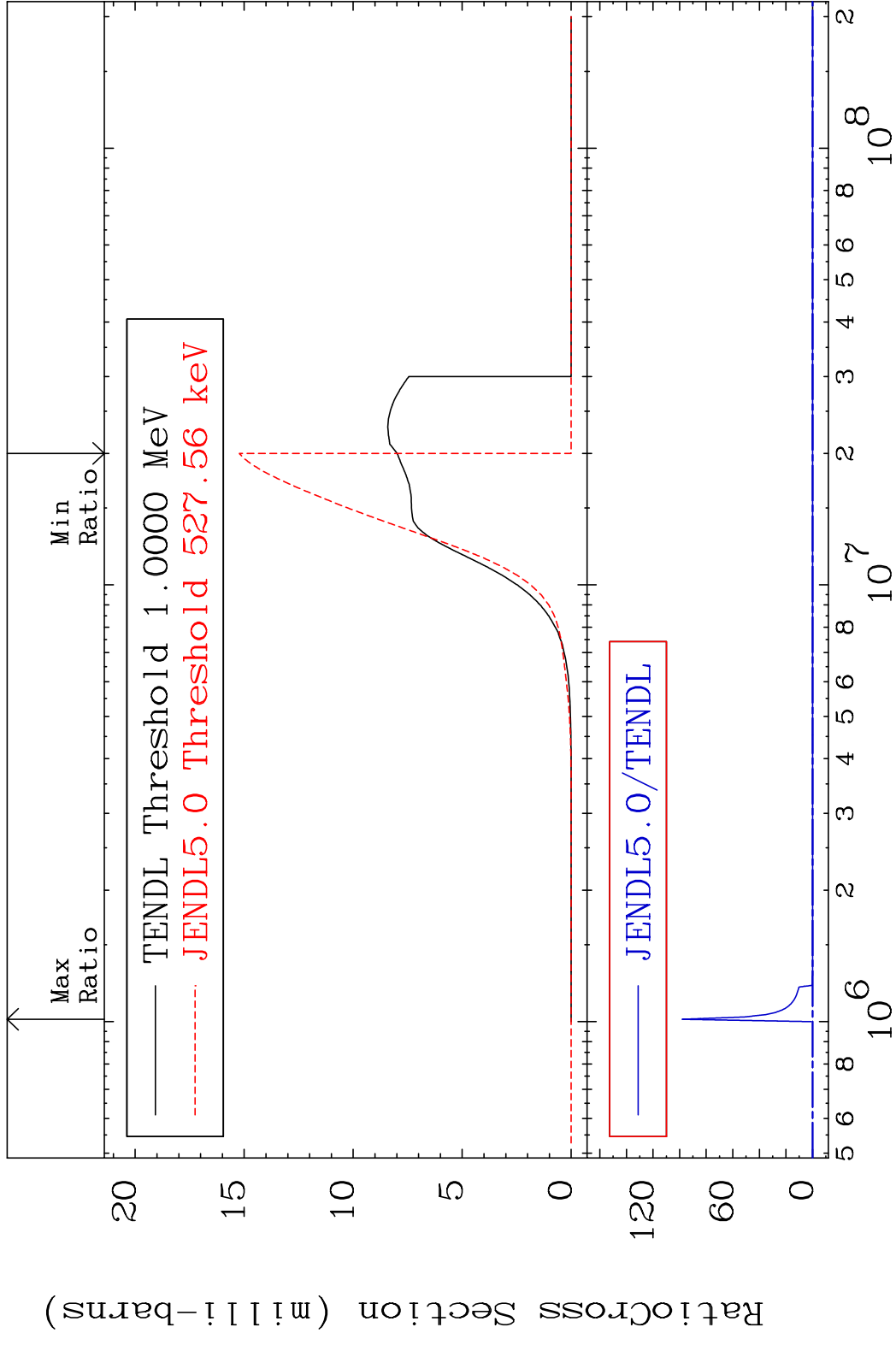


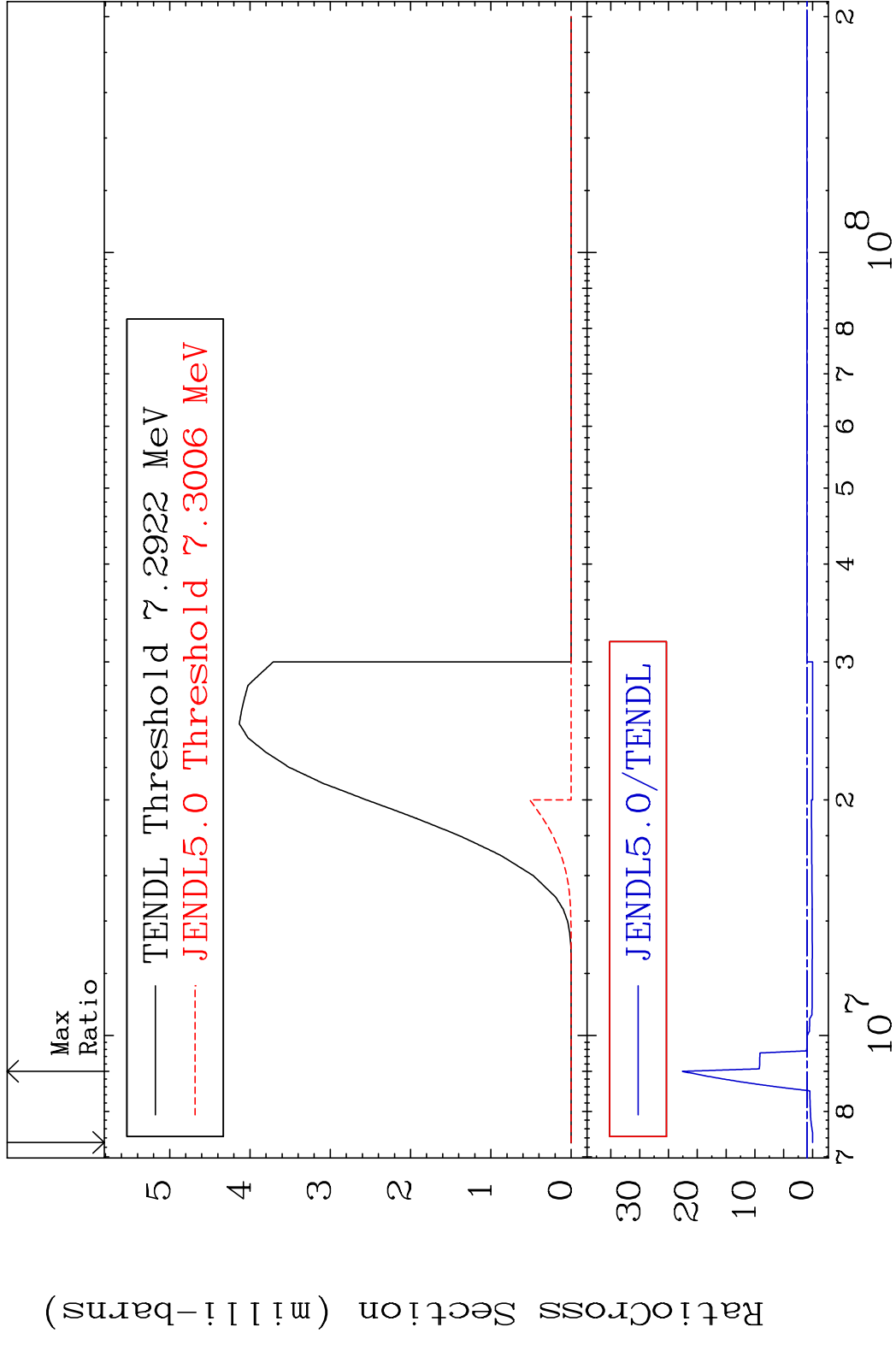












MAT 4731 (n, t): 46-Pd-107m2 47-Ag-109  
 Radionuclide Production Cross Section 180.01 dth 1457. %

