

Program Complot
(Version 2021-1)

by

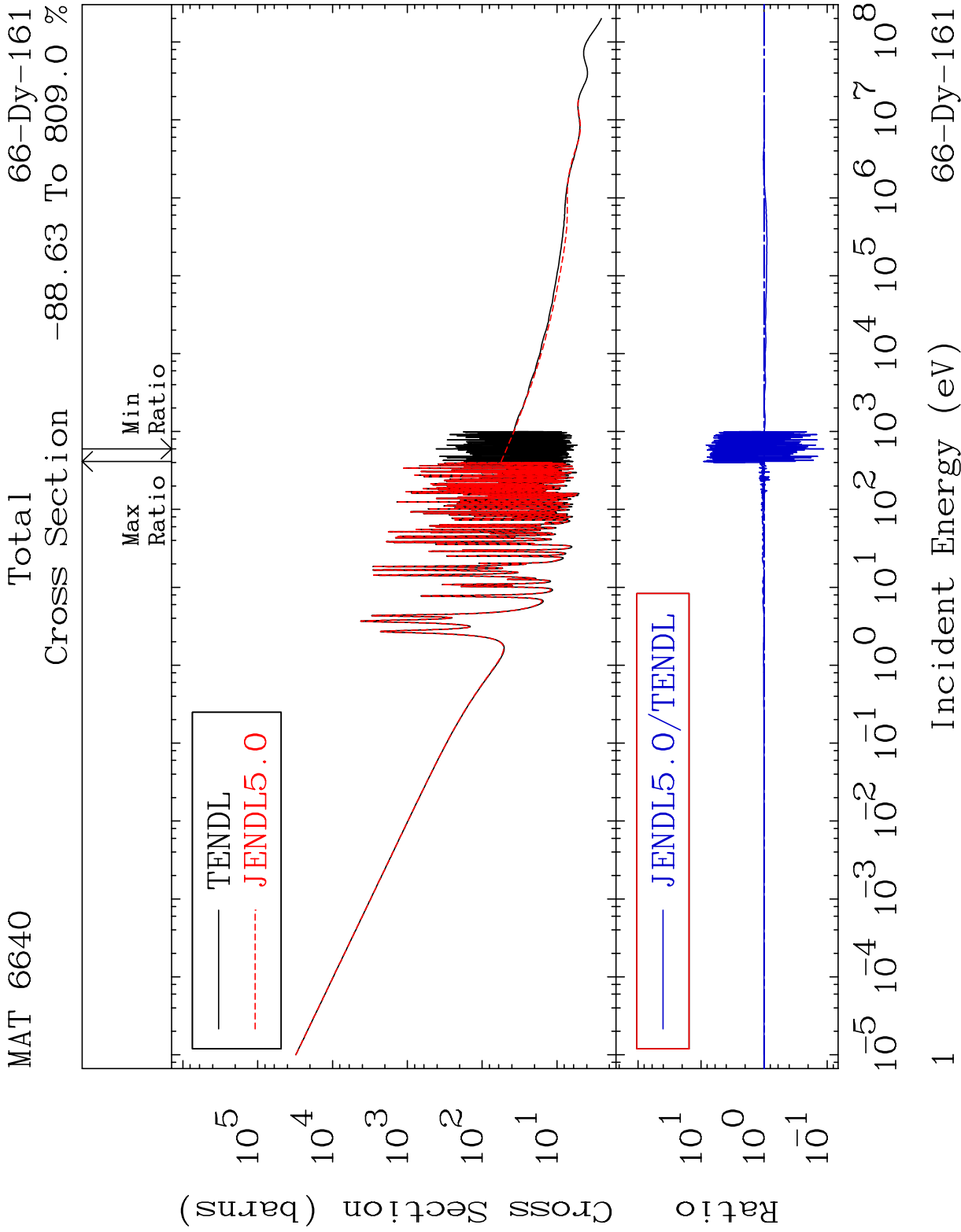
Dermott E. Cullen
(Present Contact Information)

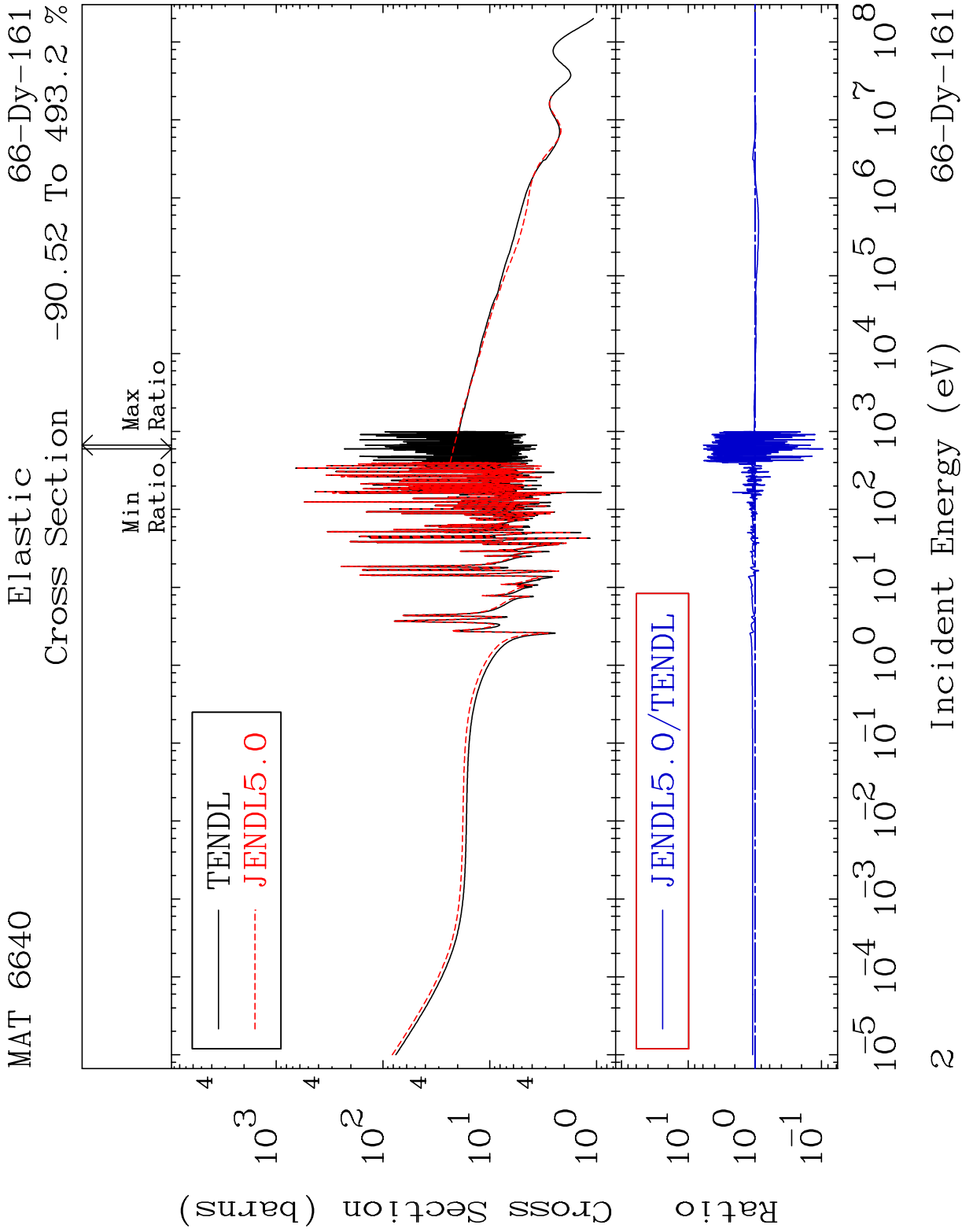
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

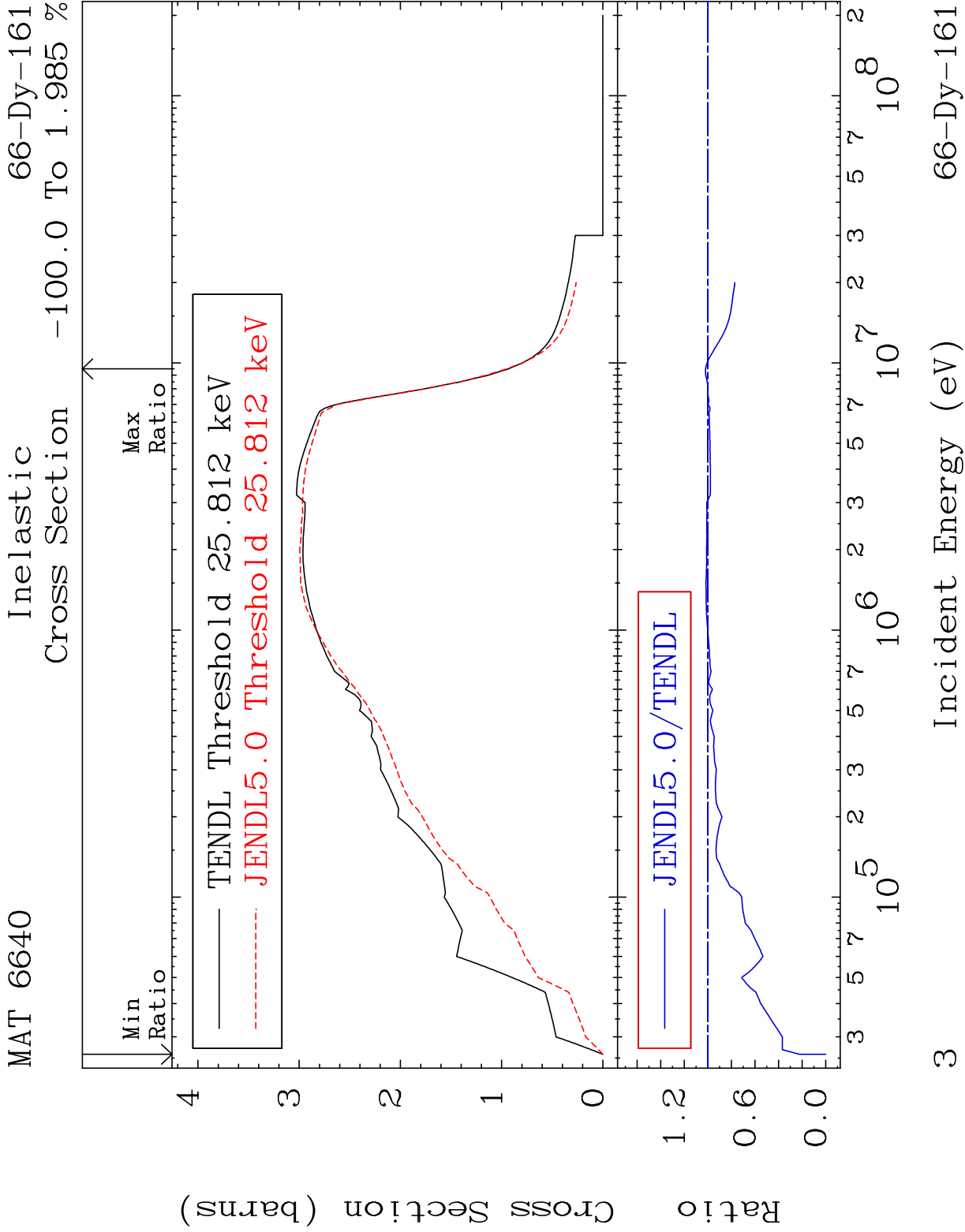
Tele: 925-443-1911

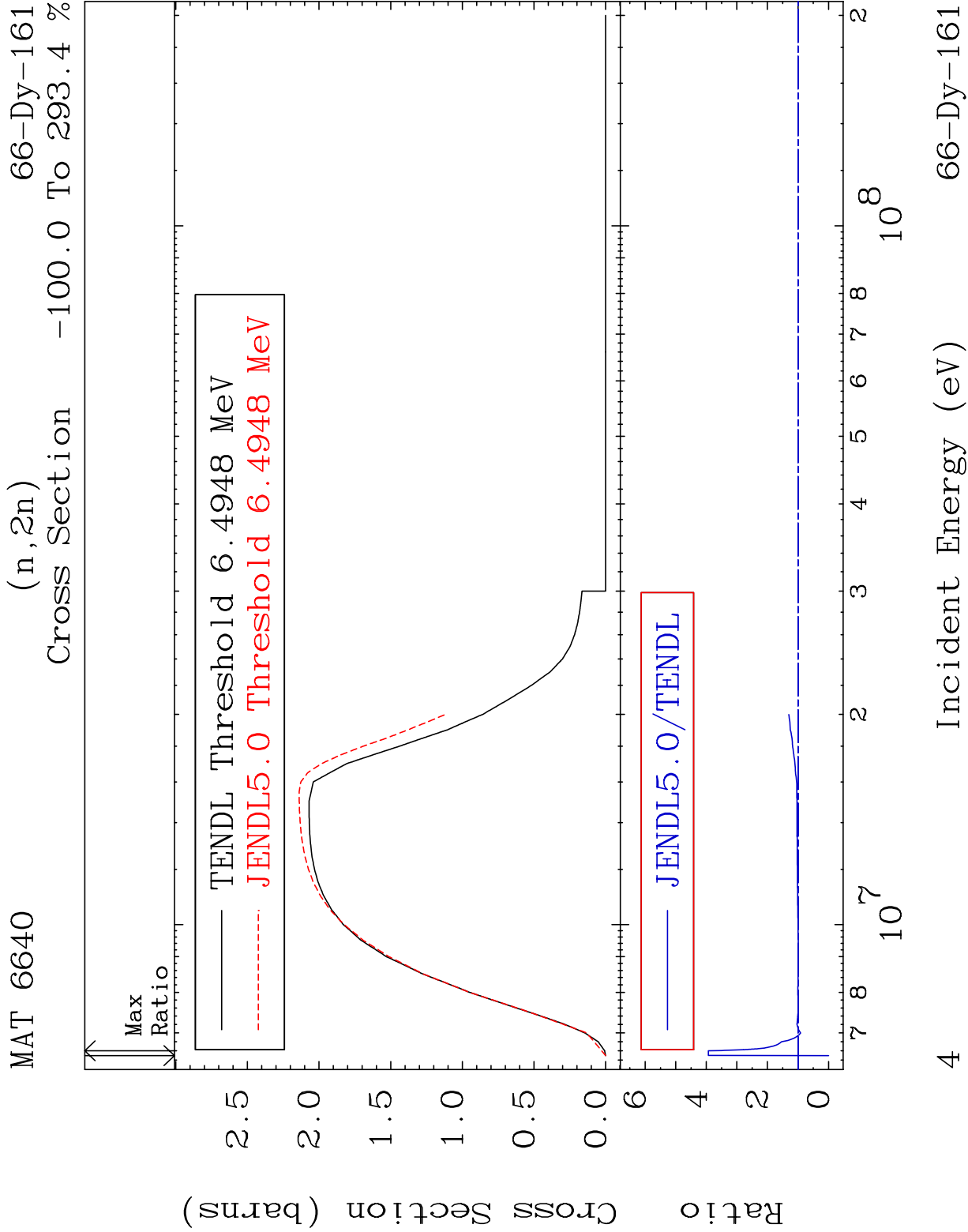
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

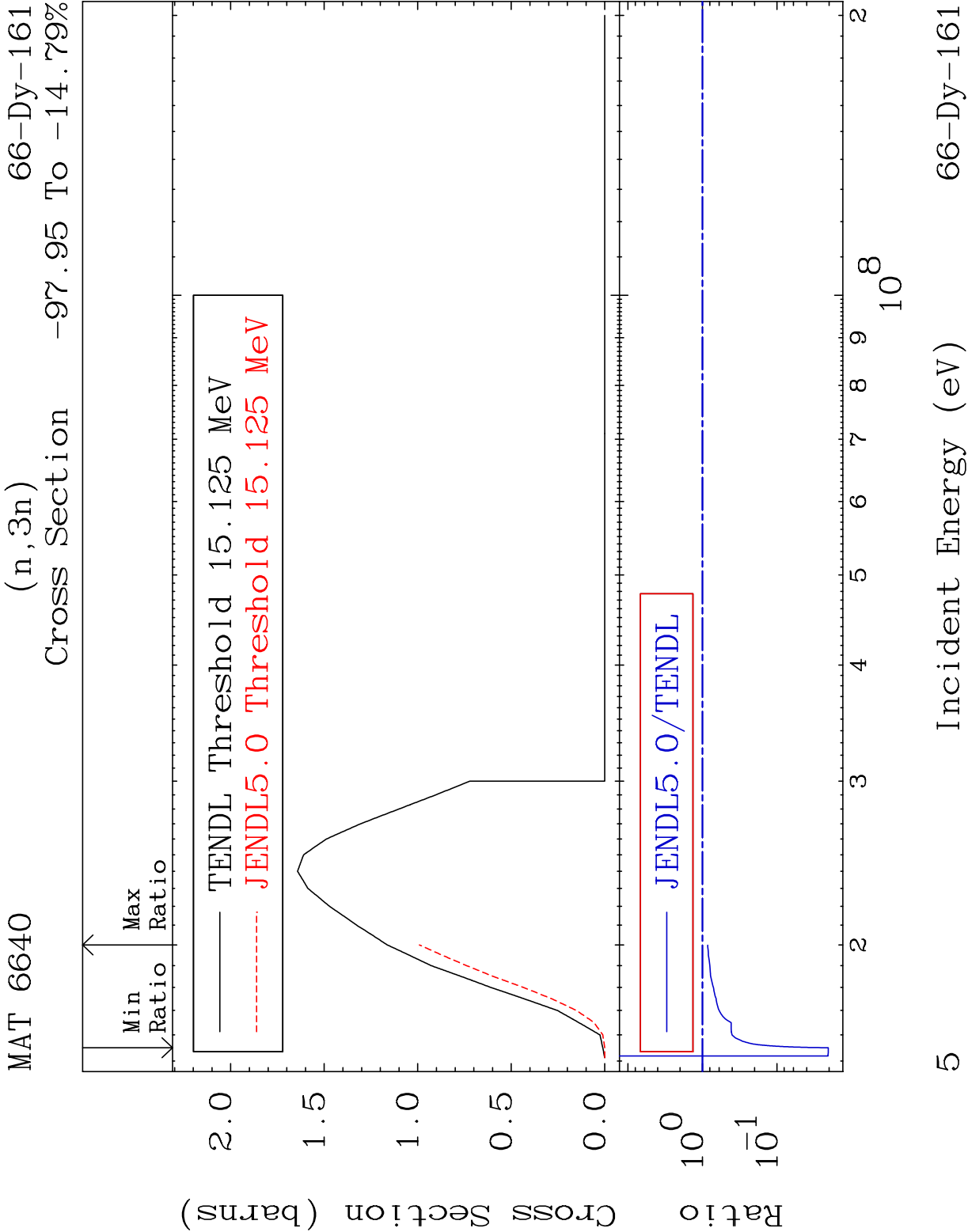
Press Mouse Button to Start

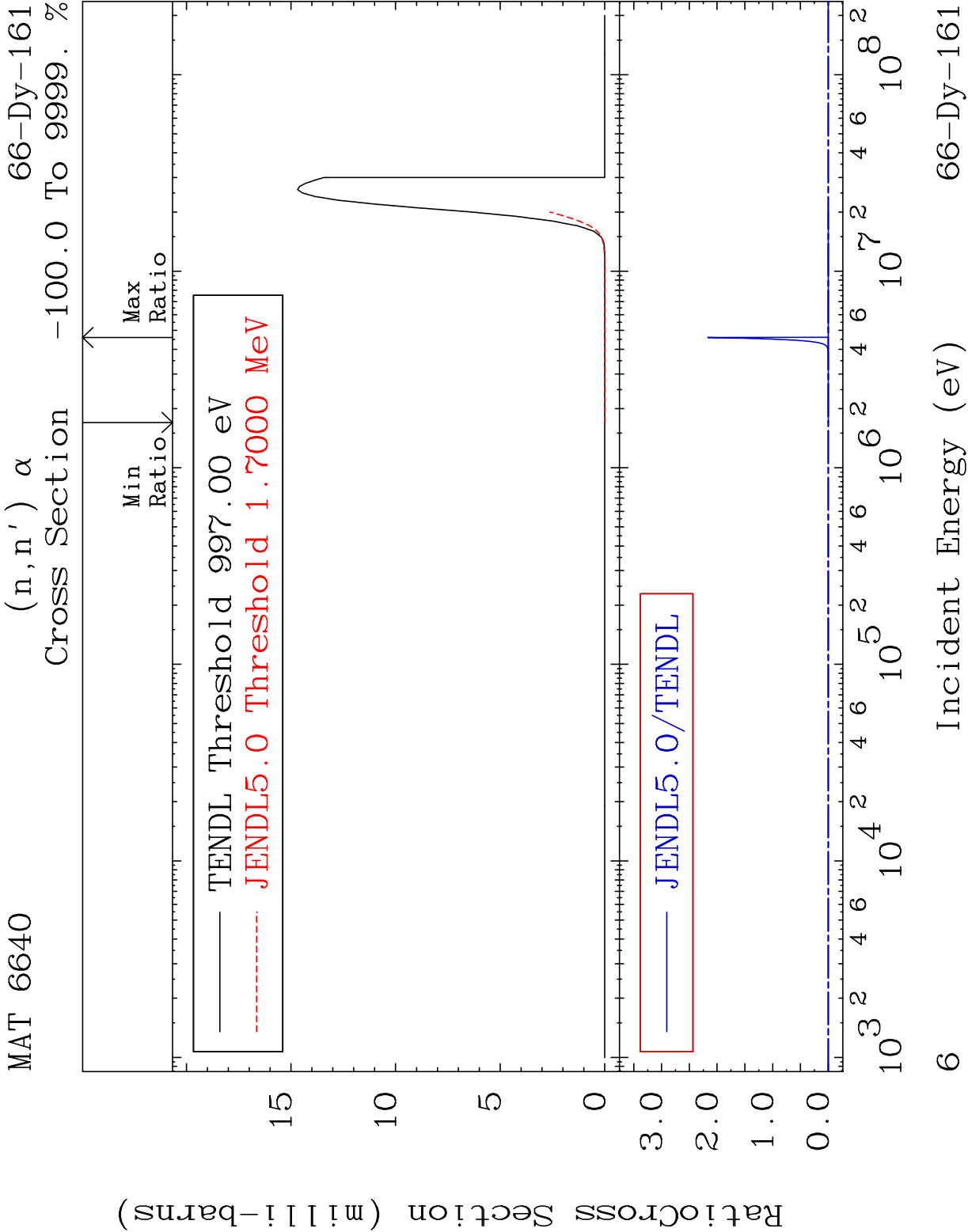


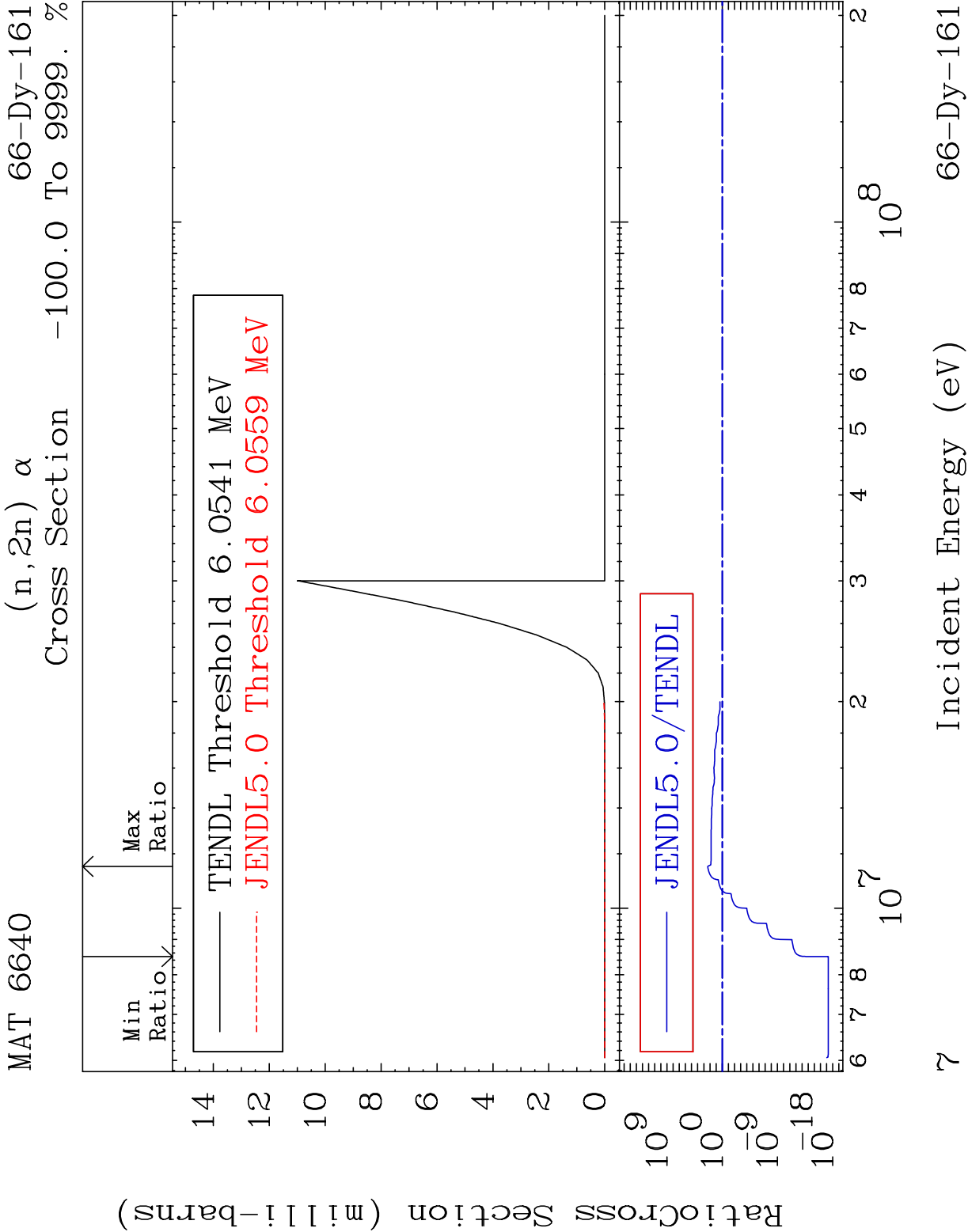






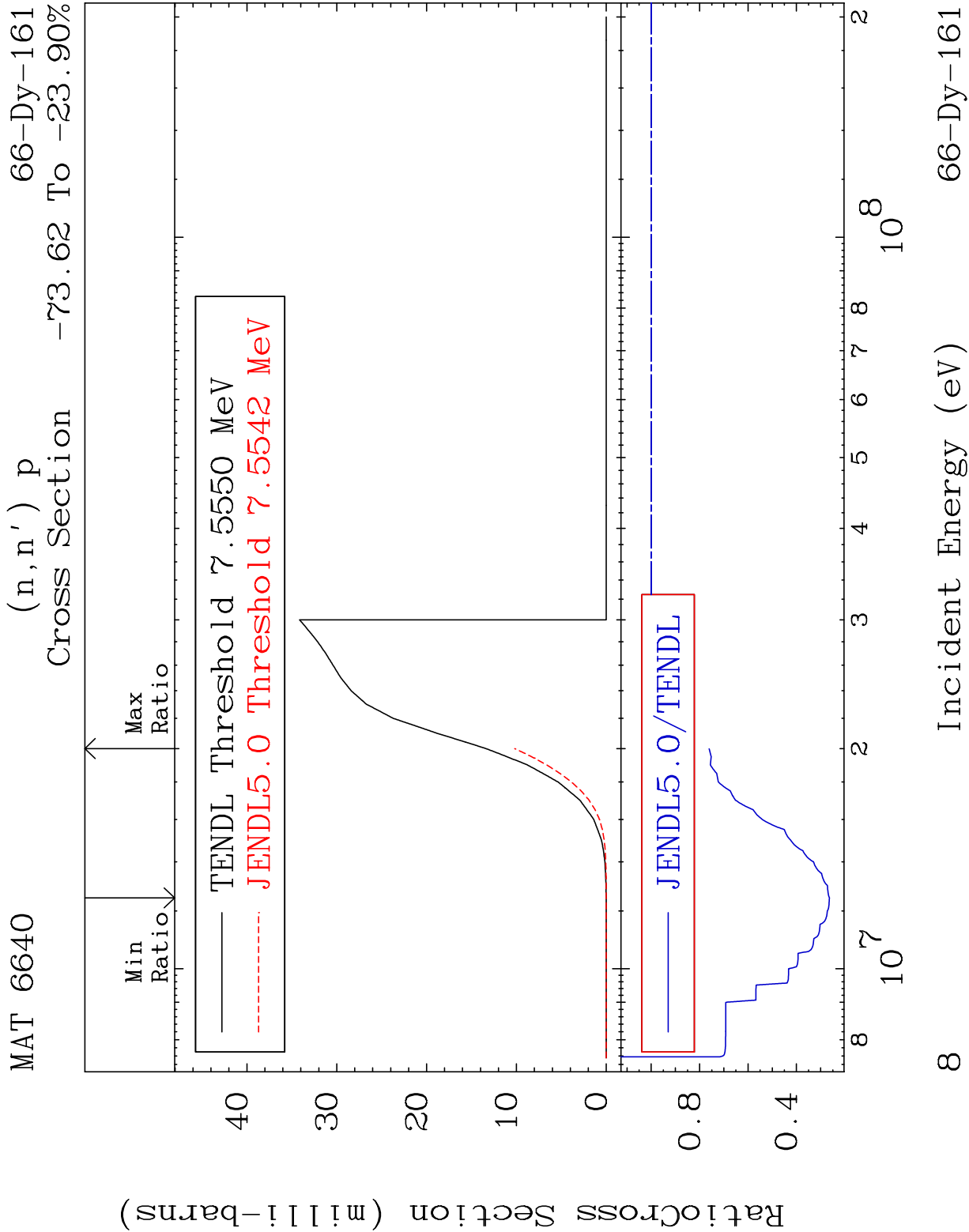


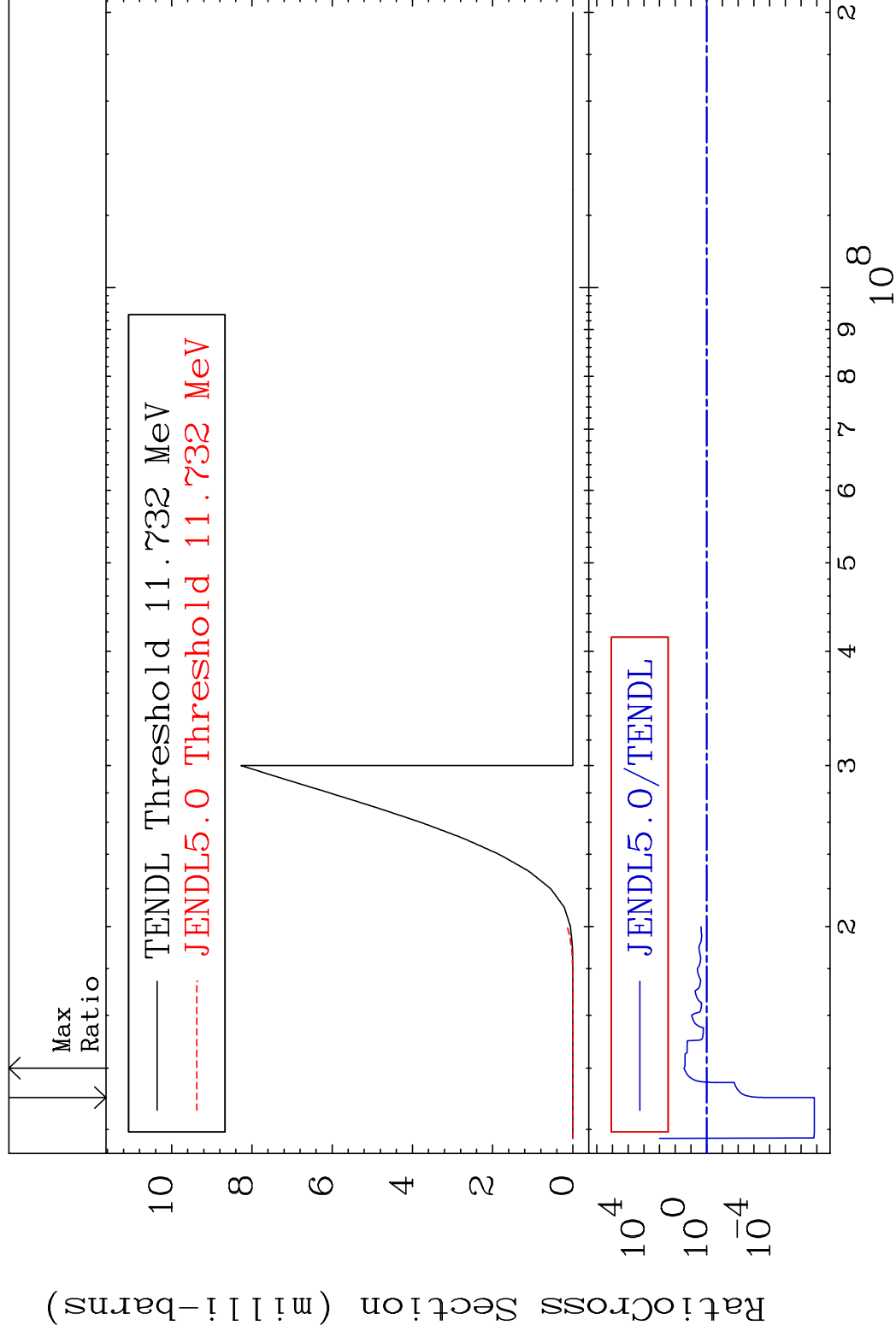




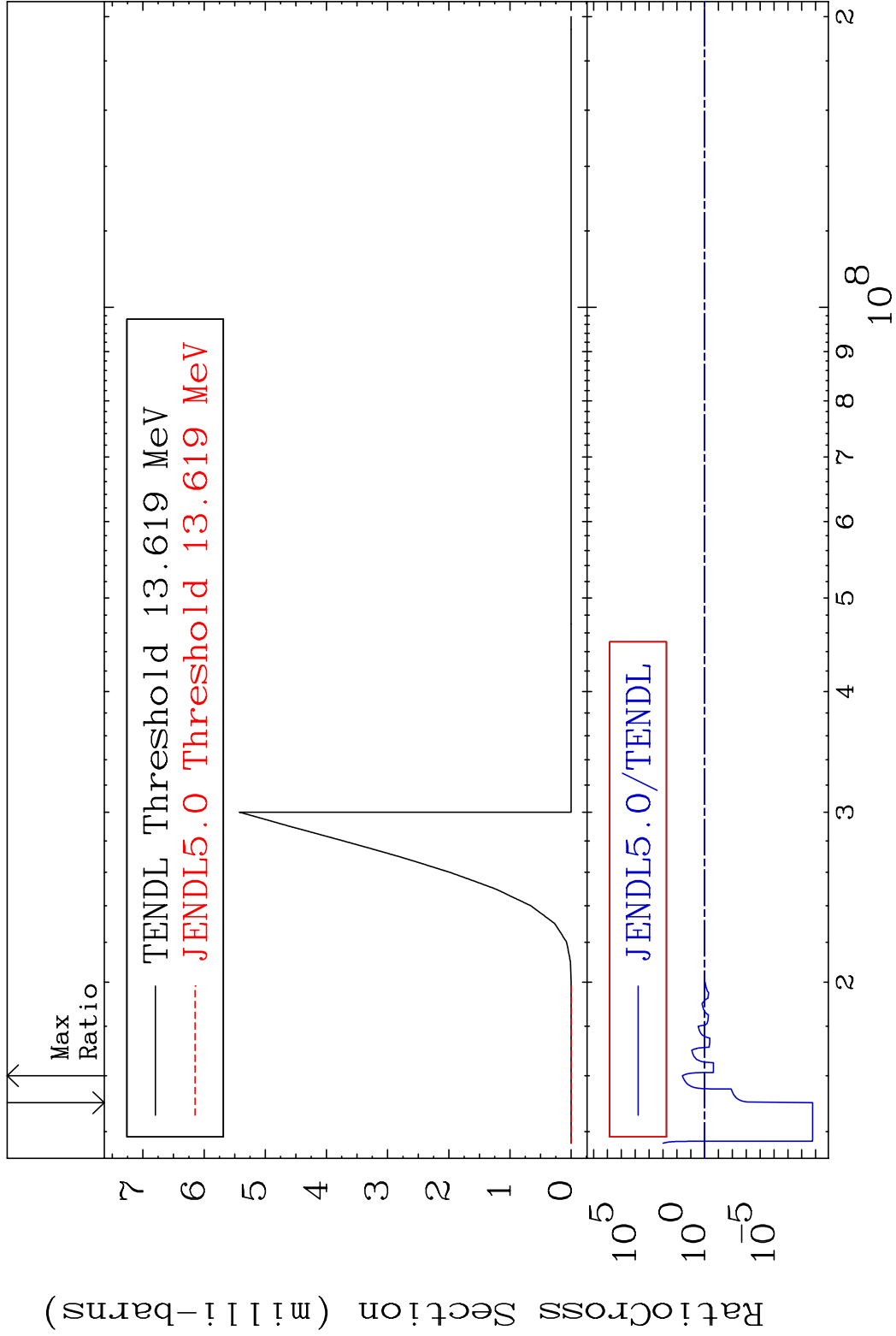
Incident Energy (eV)

66-Dy-161

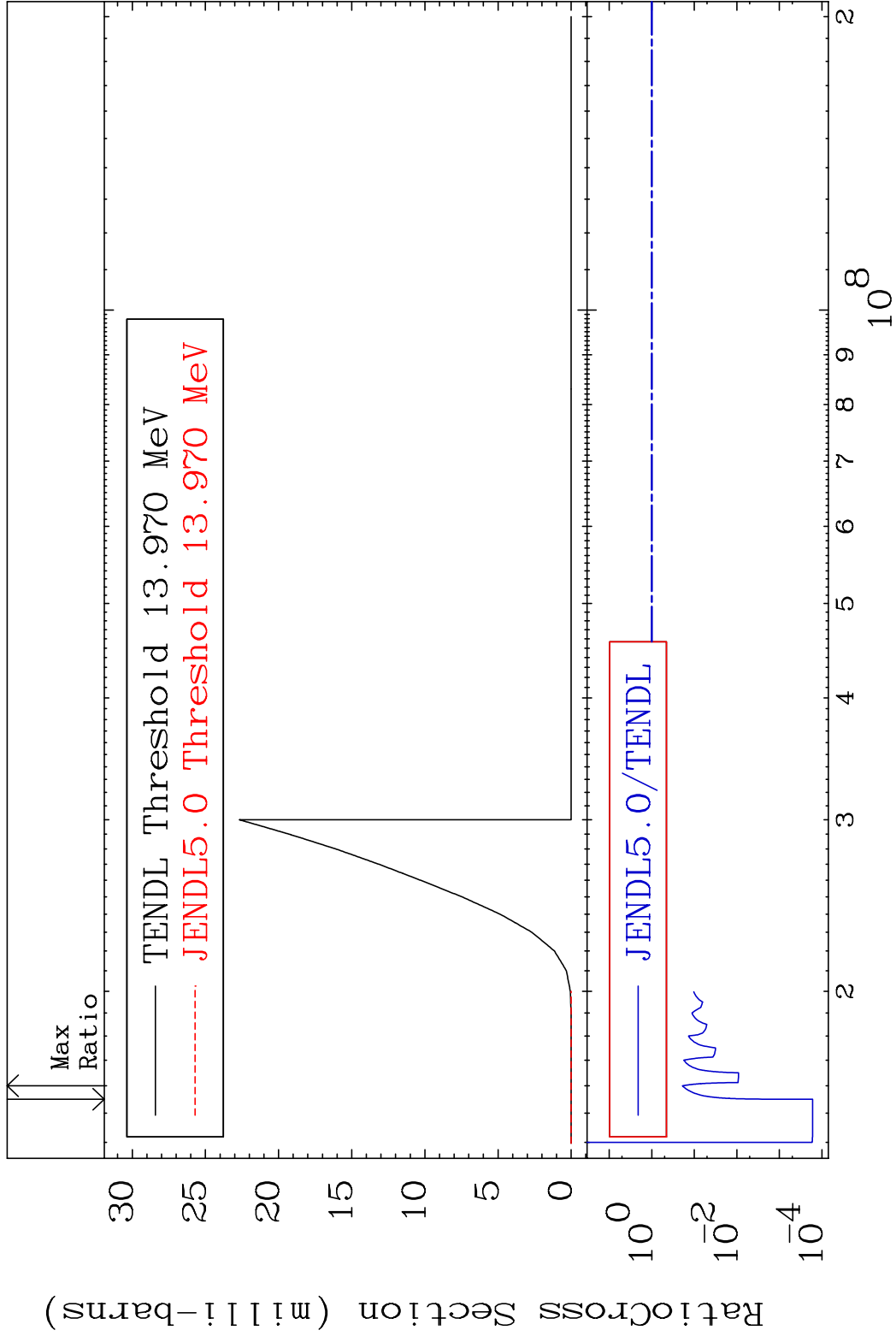


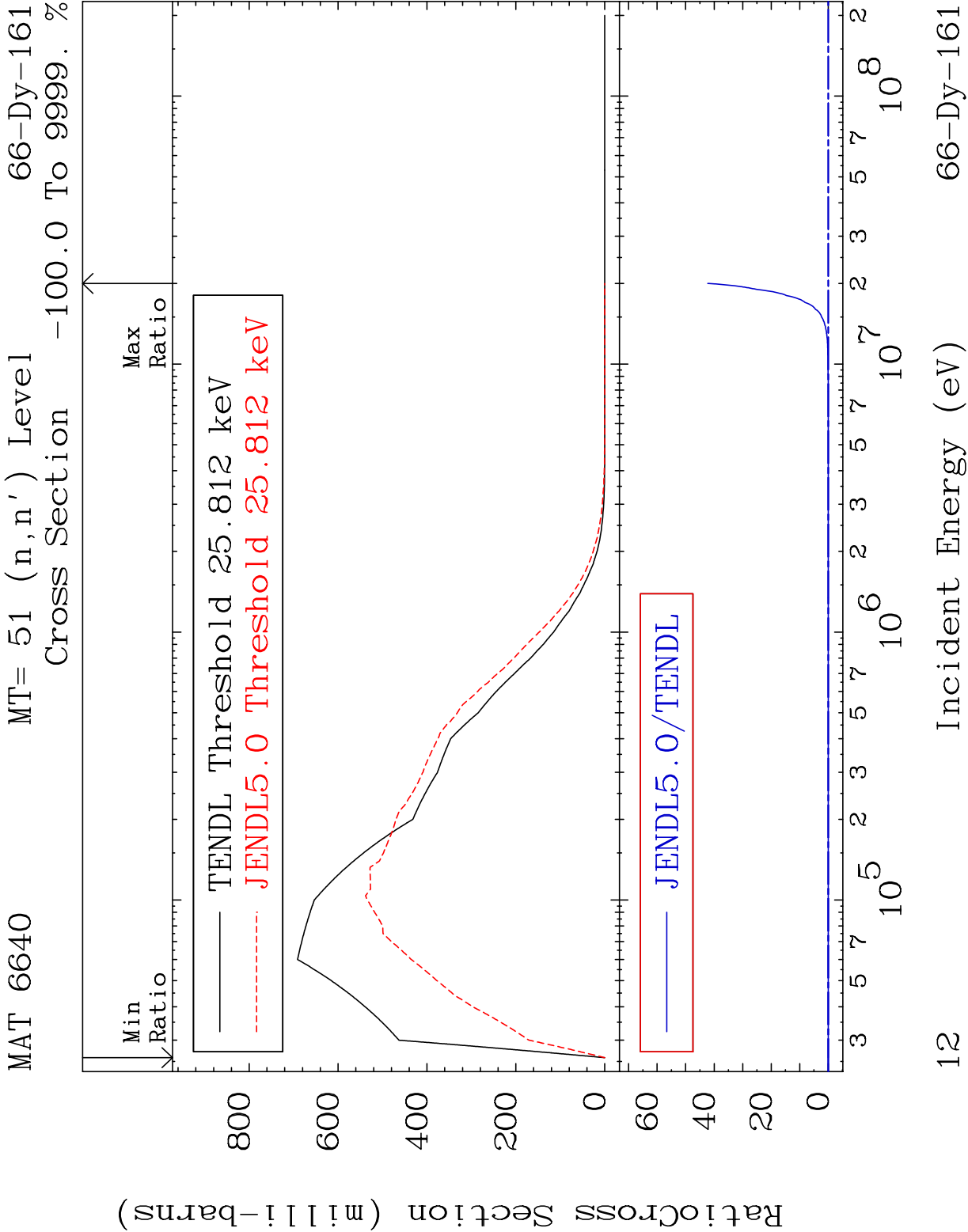


MAT 6640 (n,n') t 66-Dy-161
Cross Section -100.0 To 3912. %

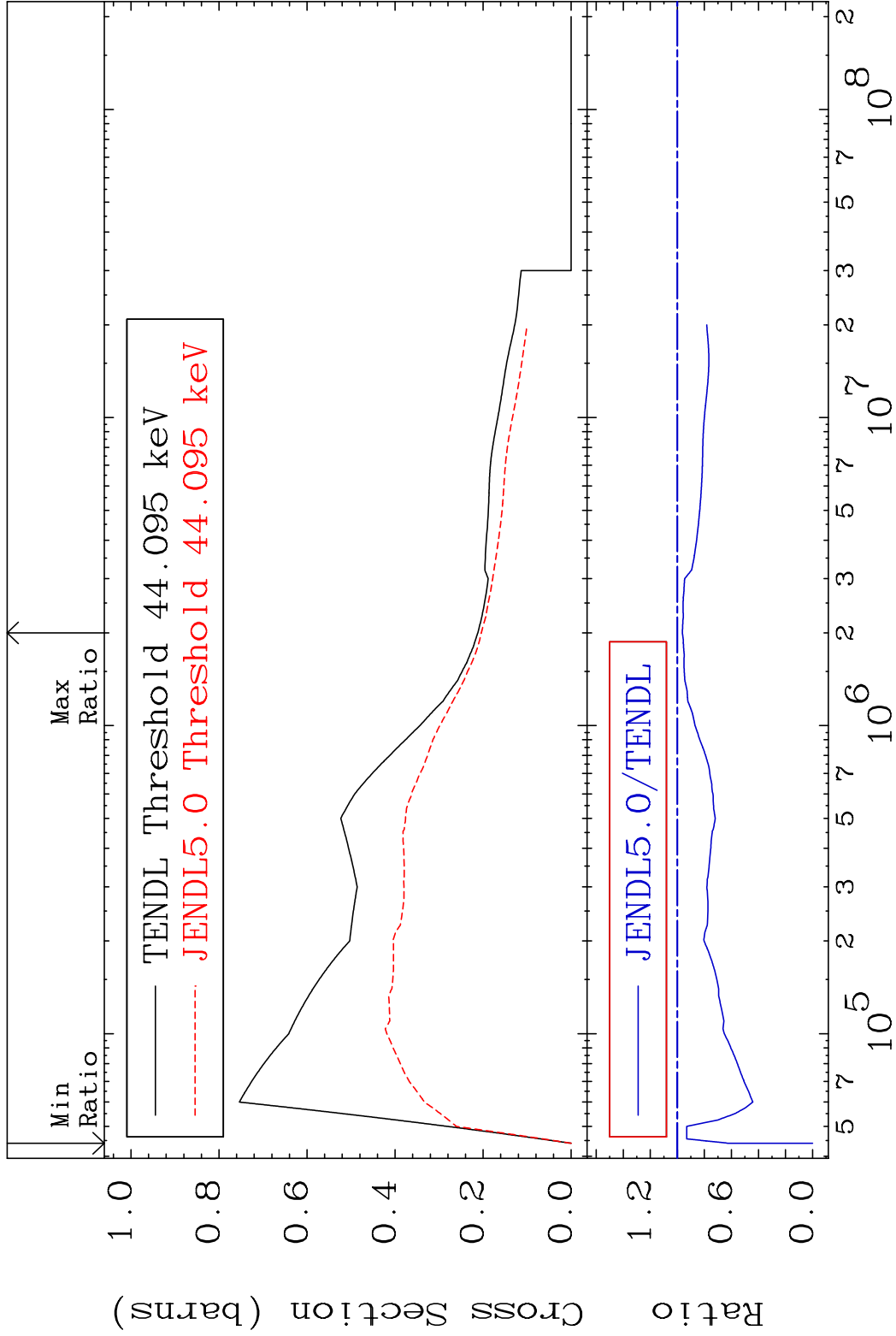


10 Incident Energy (eV) 66-Dy-161





MAT 6640 MT= 52 (n,n') Level 66-Dy-161
Cross Section -100.0 To -3.708%

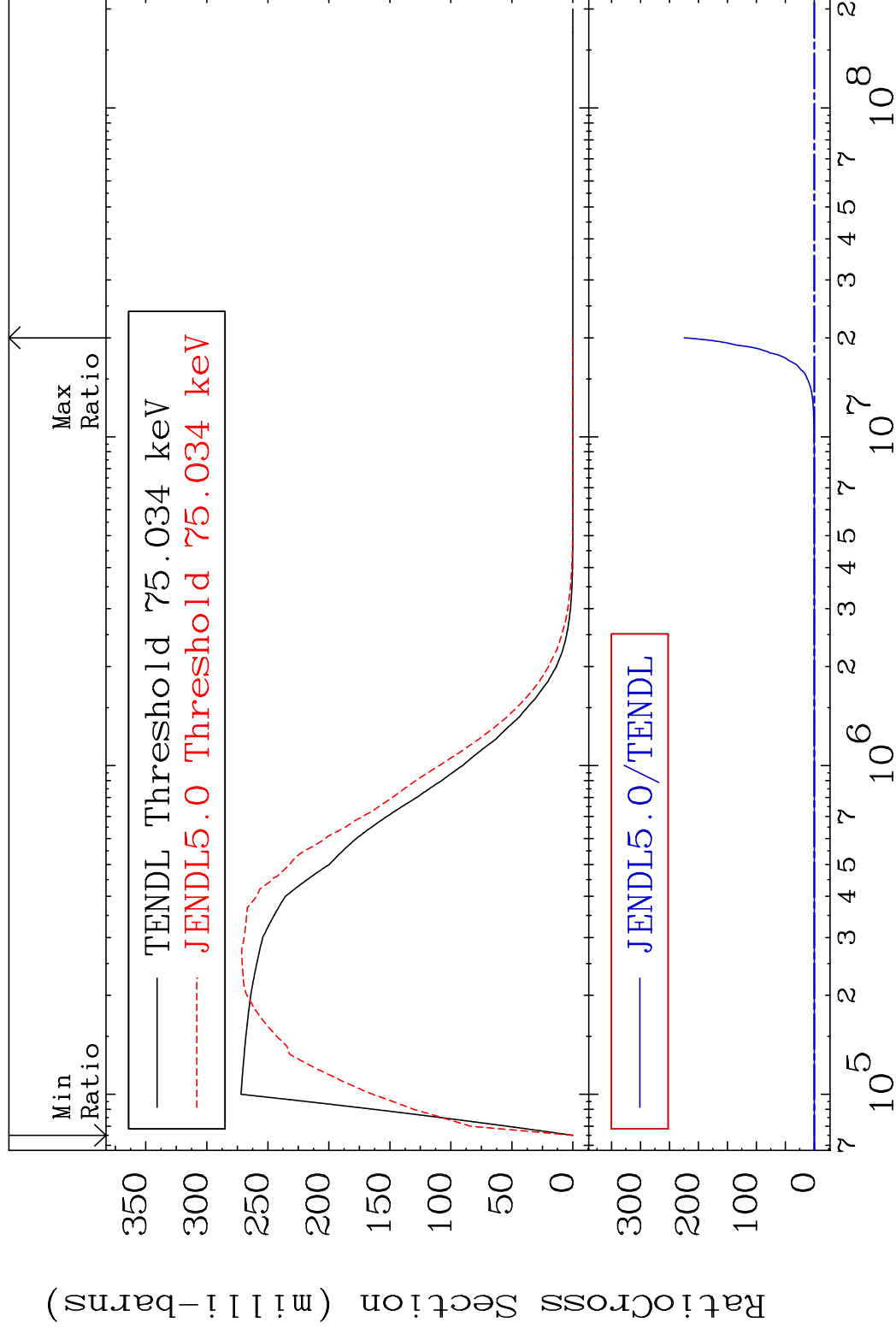


MAT 6640

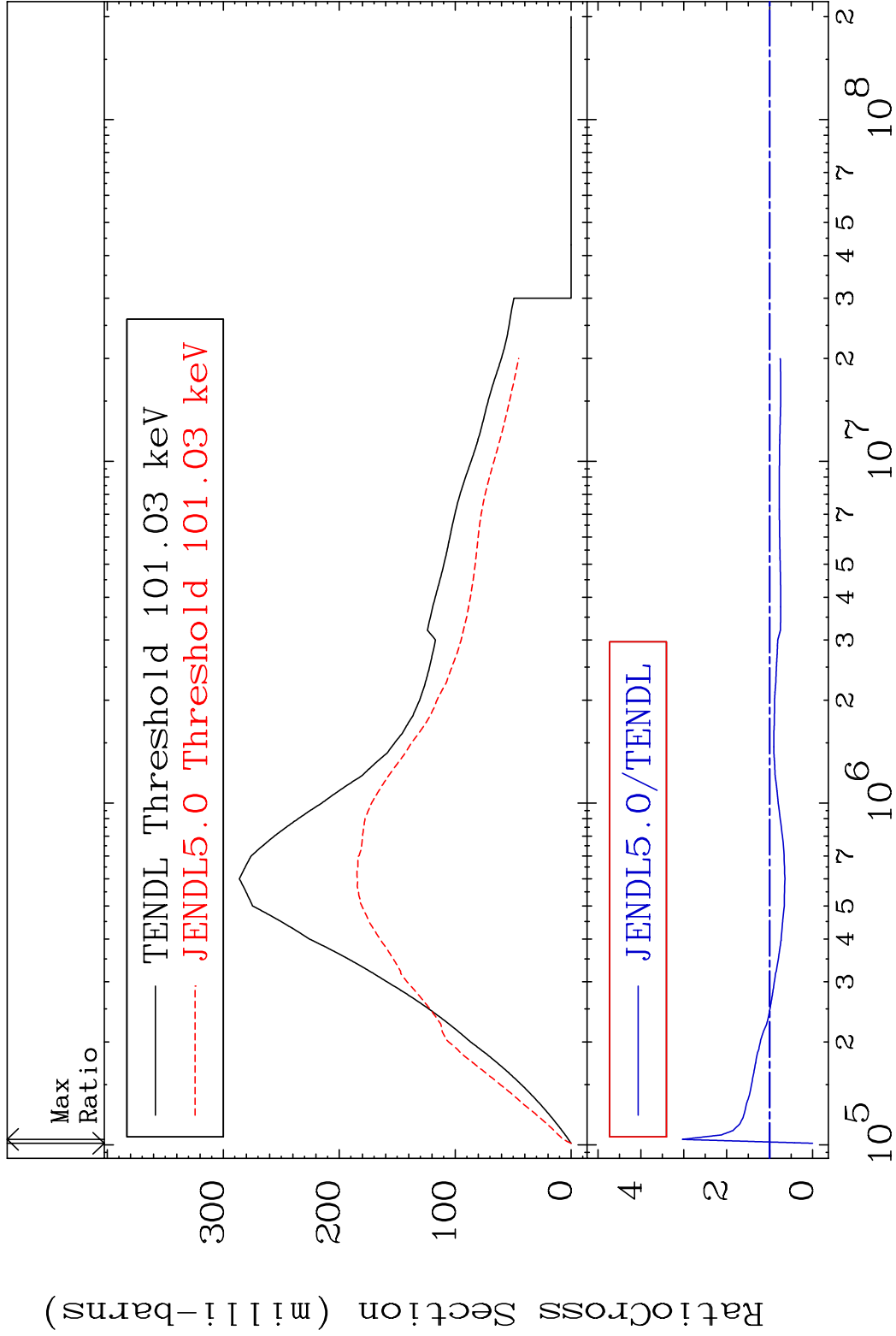
MT= 53 (n, n') Level

66-Dy-161

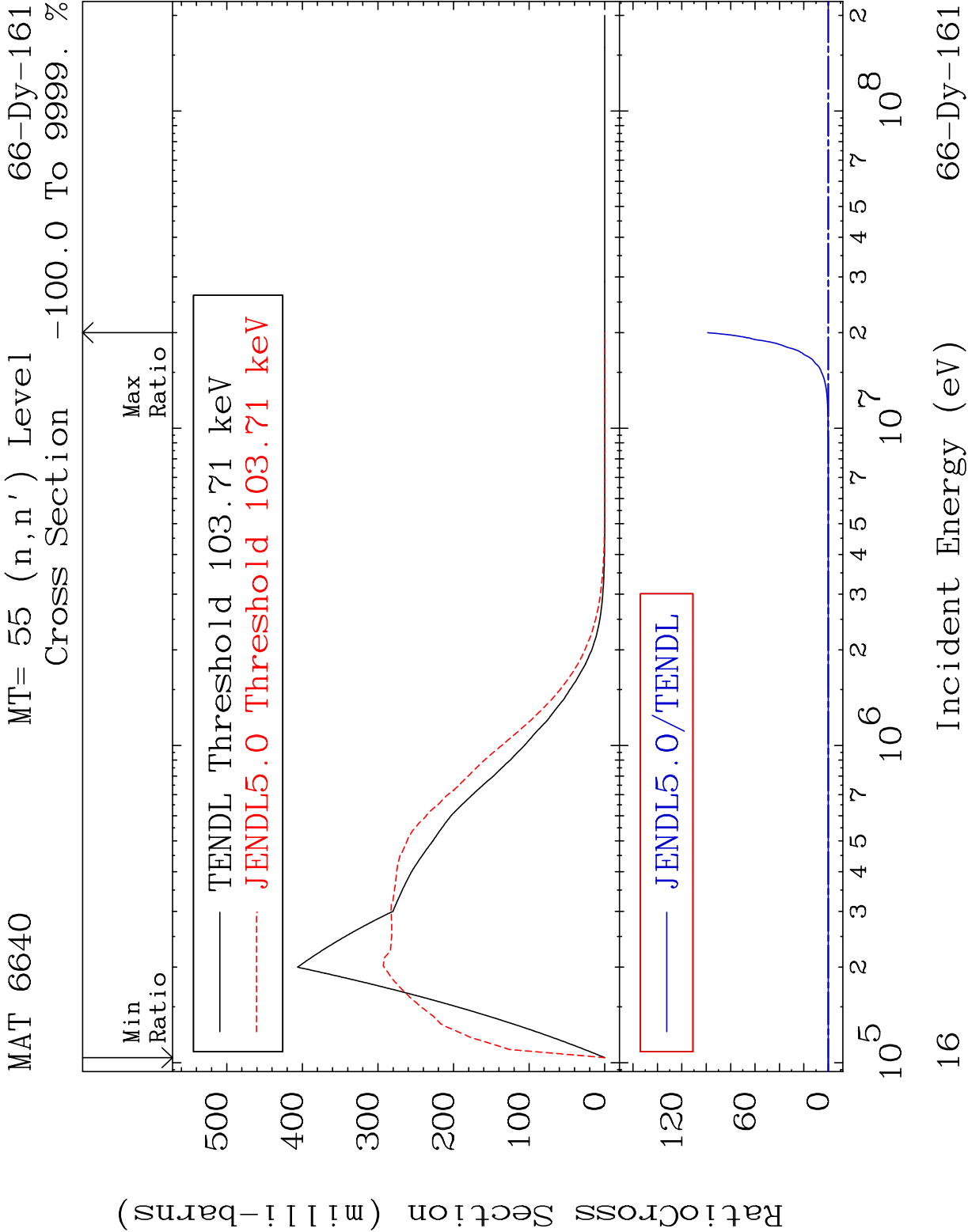
Cross Section -100.0 To 9999. %

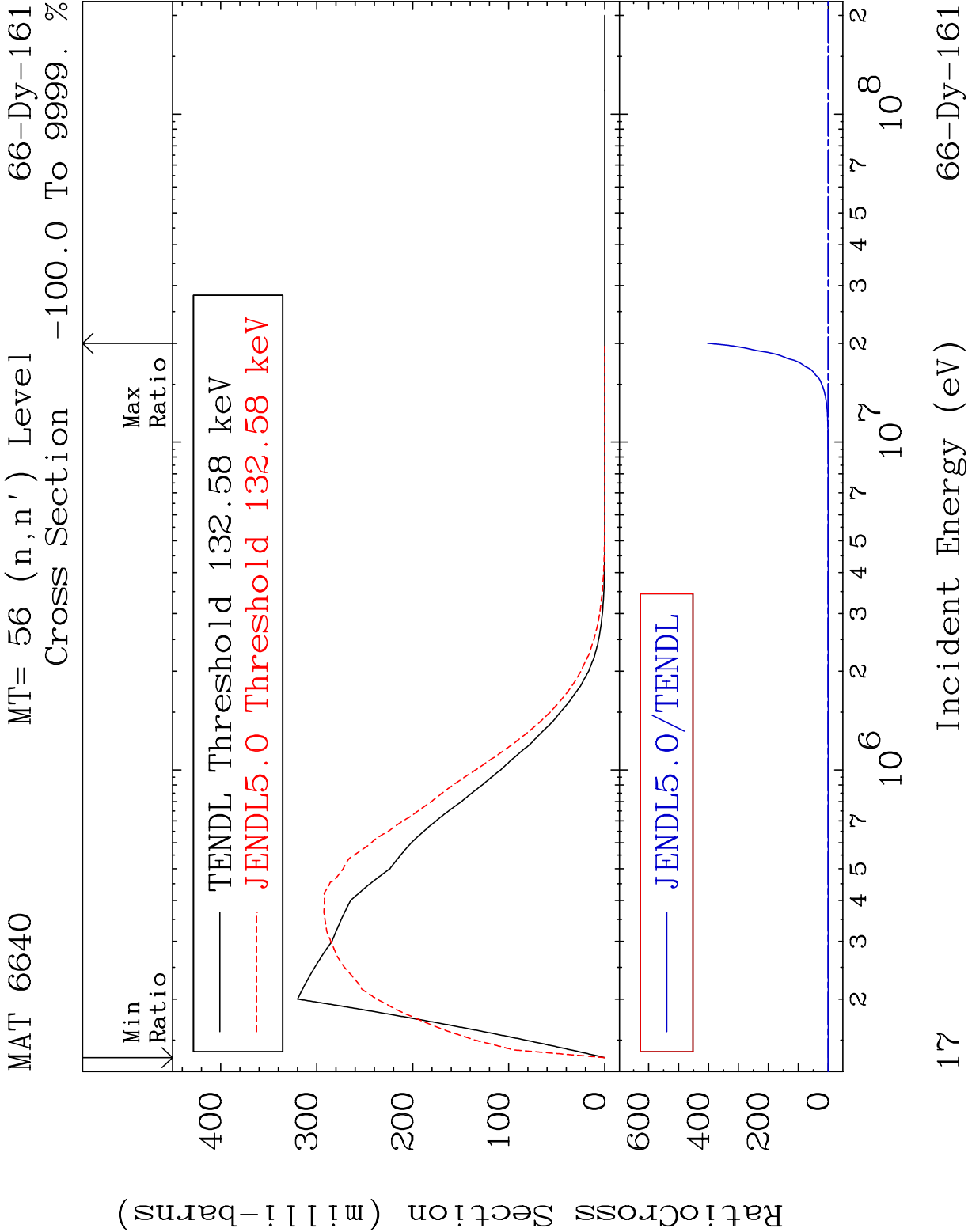


MAT 6640 MT= 54 (n,n') Level 66-Dy-161
Cross Section -100.0 To 203.4 %



15 Incident Energy (eV) 66-Dy-161



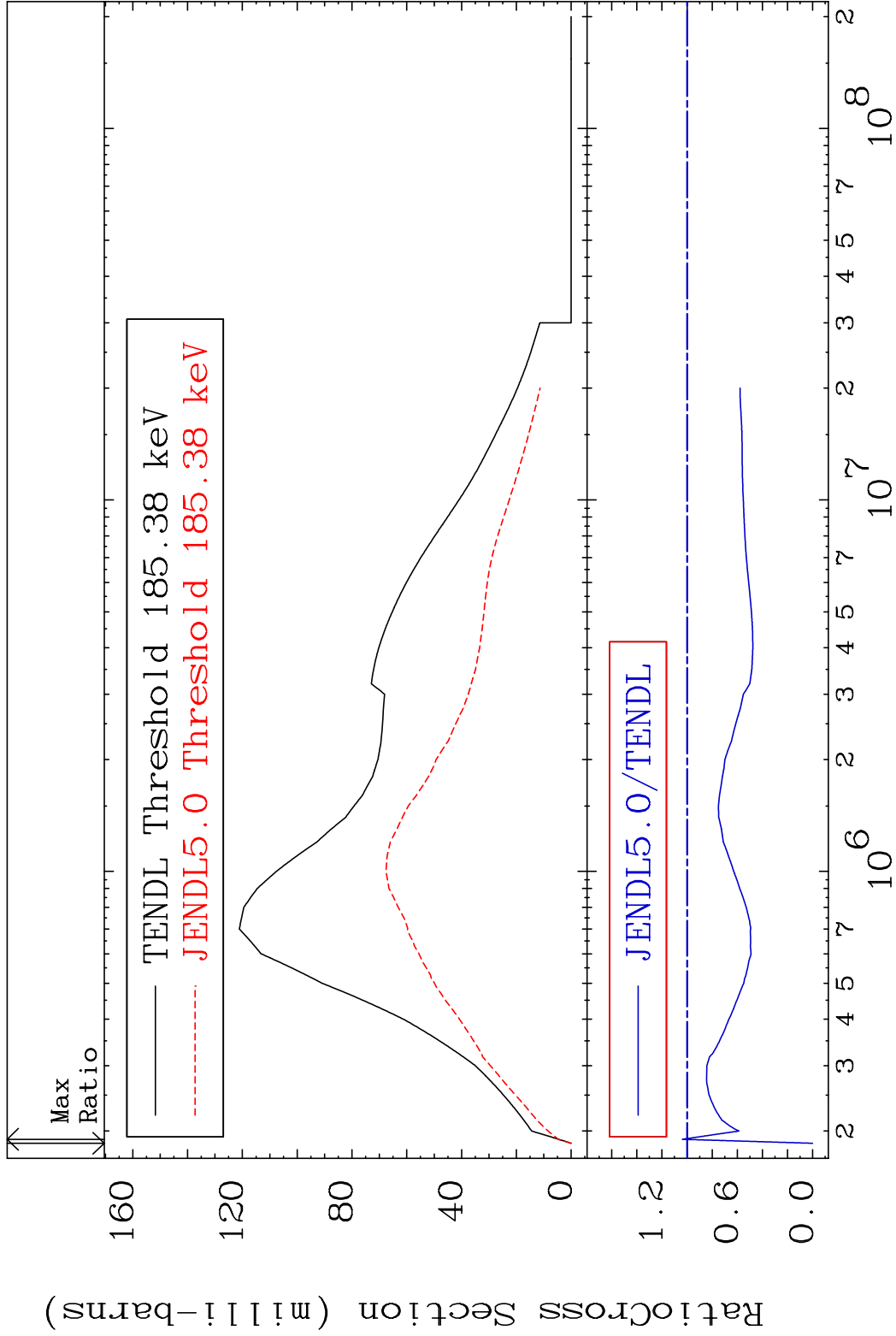


17

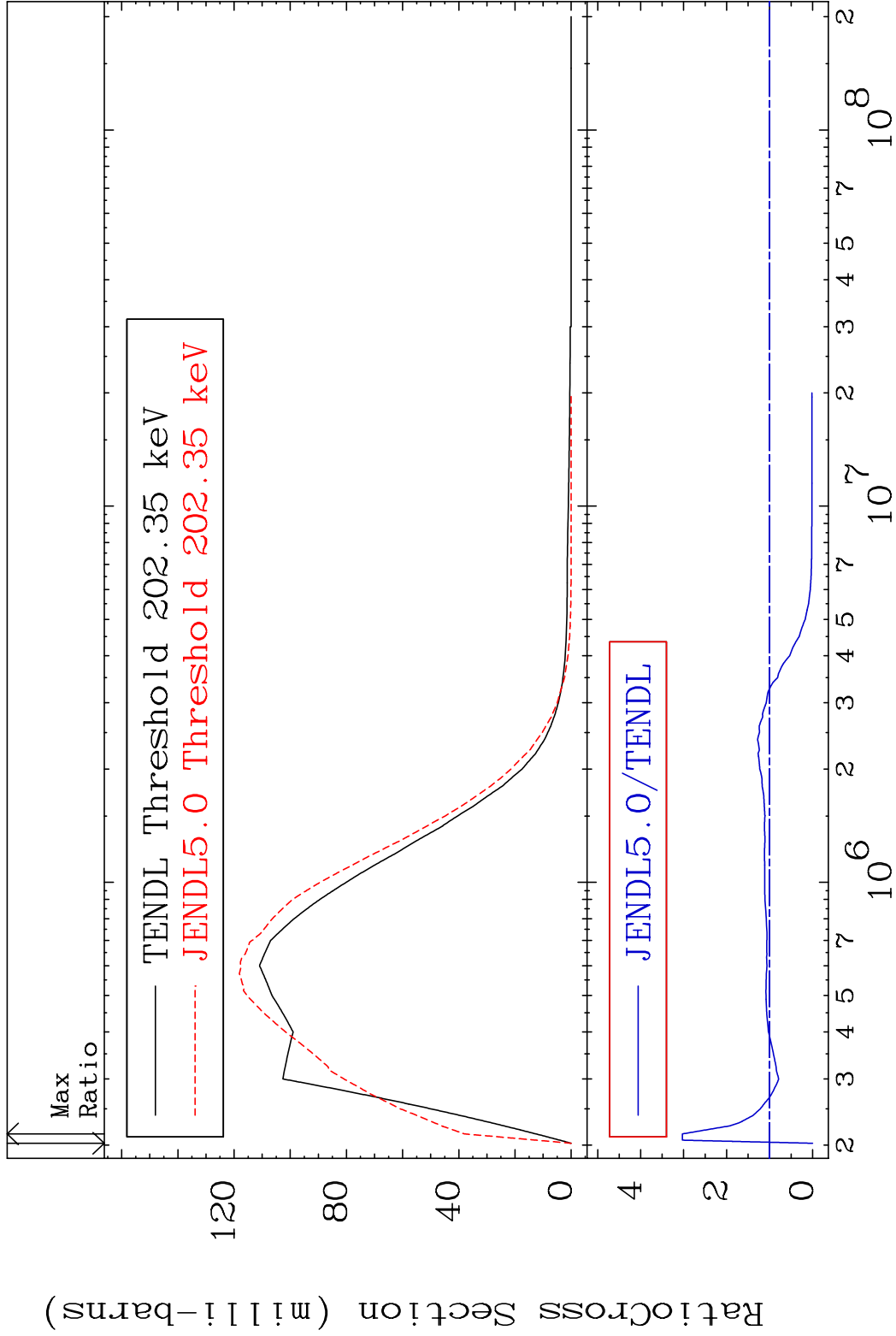
Incident Energy (eV)

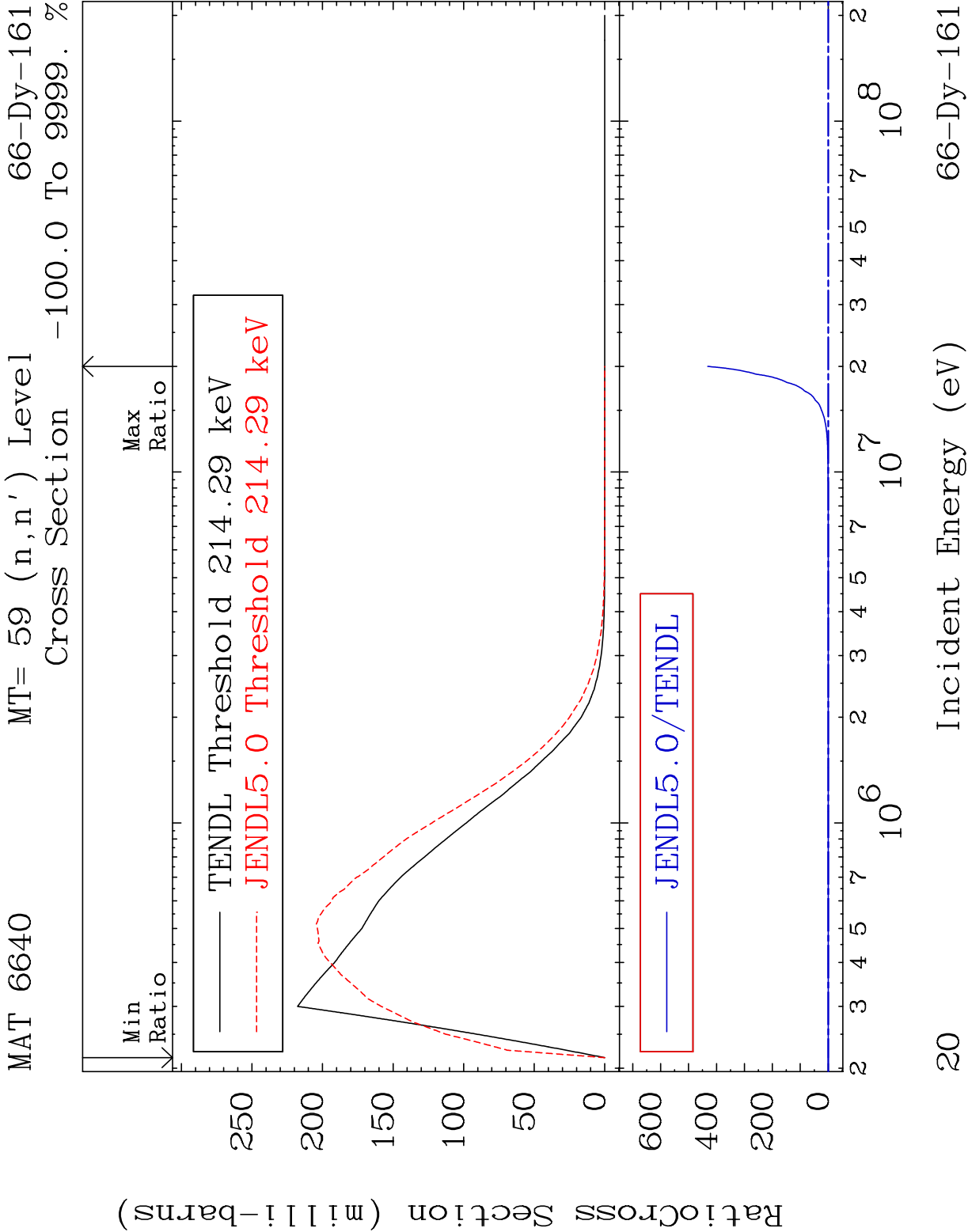
66-Dy-161

MAT 6640 MT= 57 (n,n') Level 66-Dy-161
Cross Section -100.0 To 3.755 %

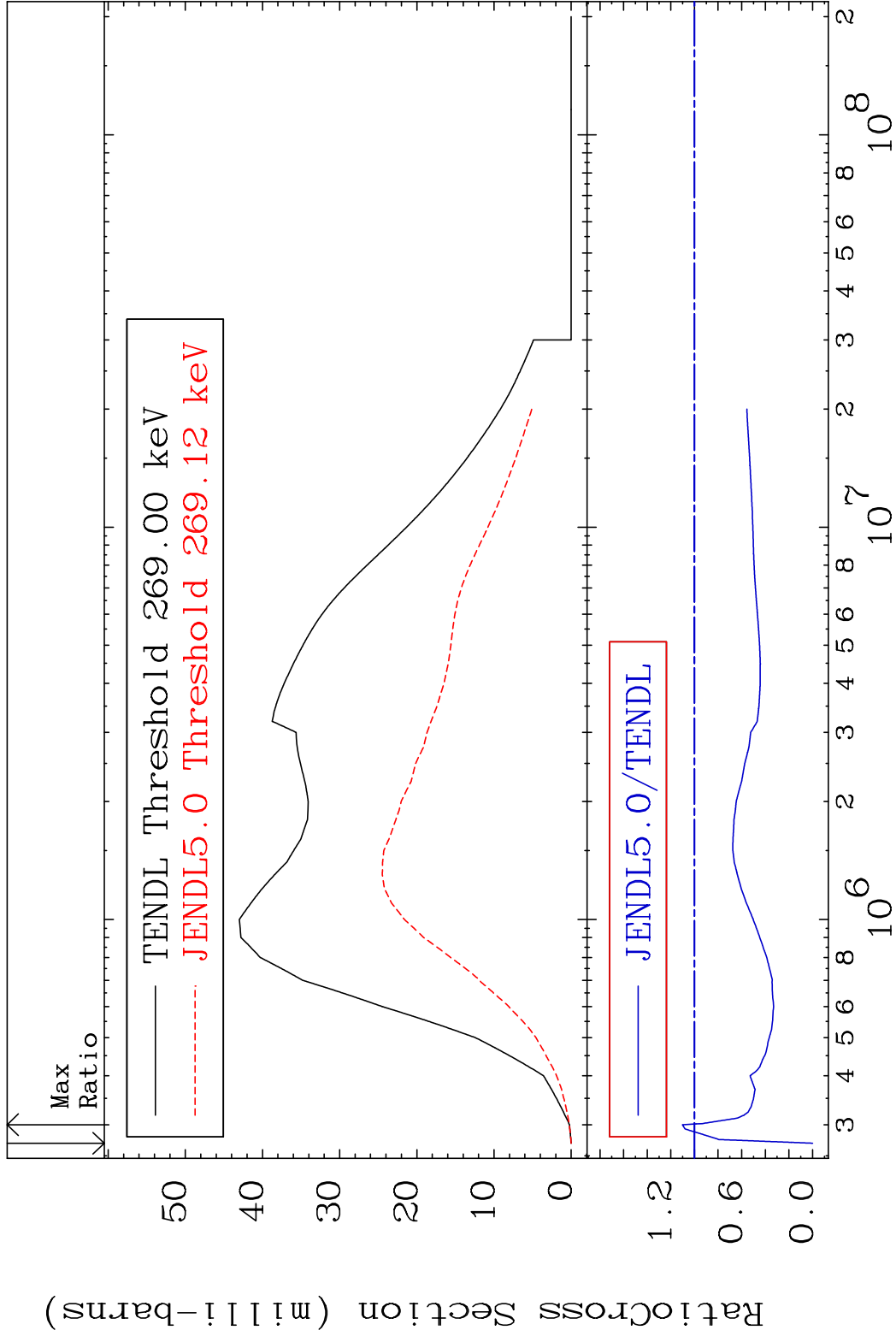


MAT 6640 MT= 58 (n,n') Level 66-Dy-161
Cross Section -100.0 To 203.0 %

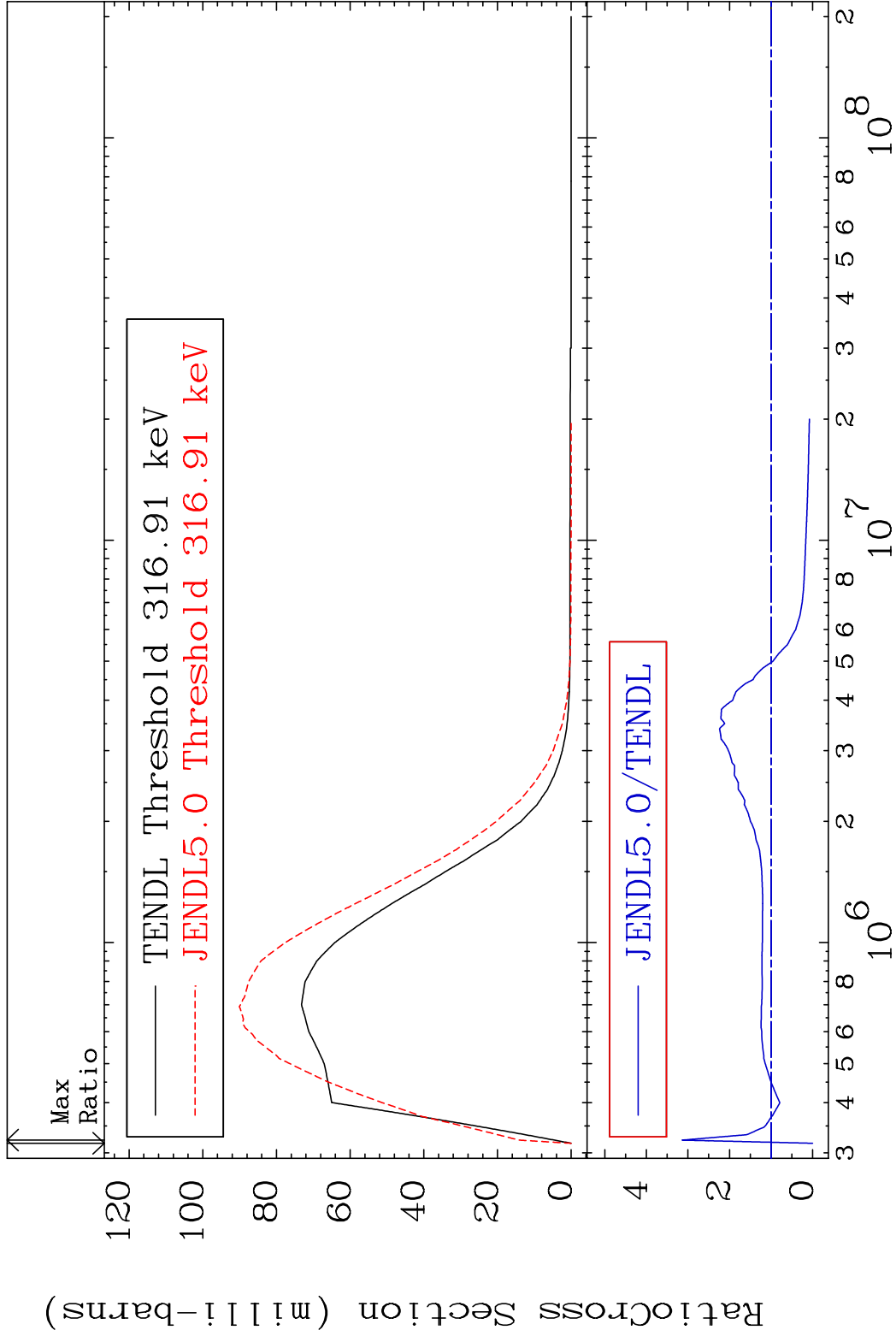




MAT 6640 MT= 60 (n,n') Level 66-Dy-161
Cross Section -100.0 To 10.25 %



MAT 6640 MT= 61 (n,n') Level 66-Dy-161
Cross Section -100.0 To 213.5 %



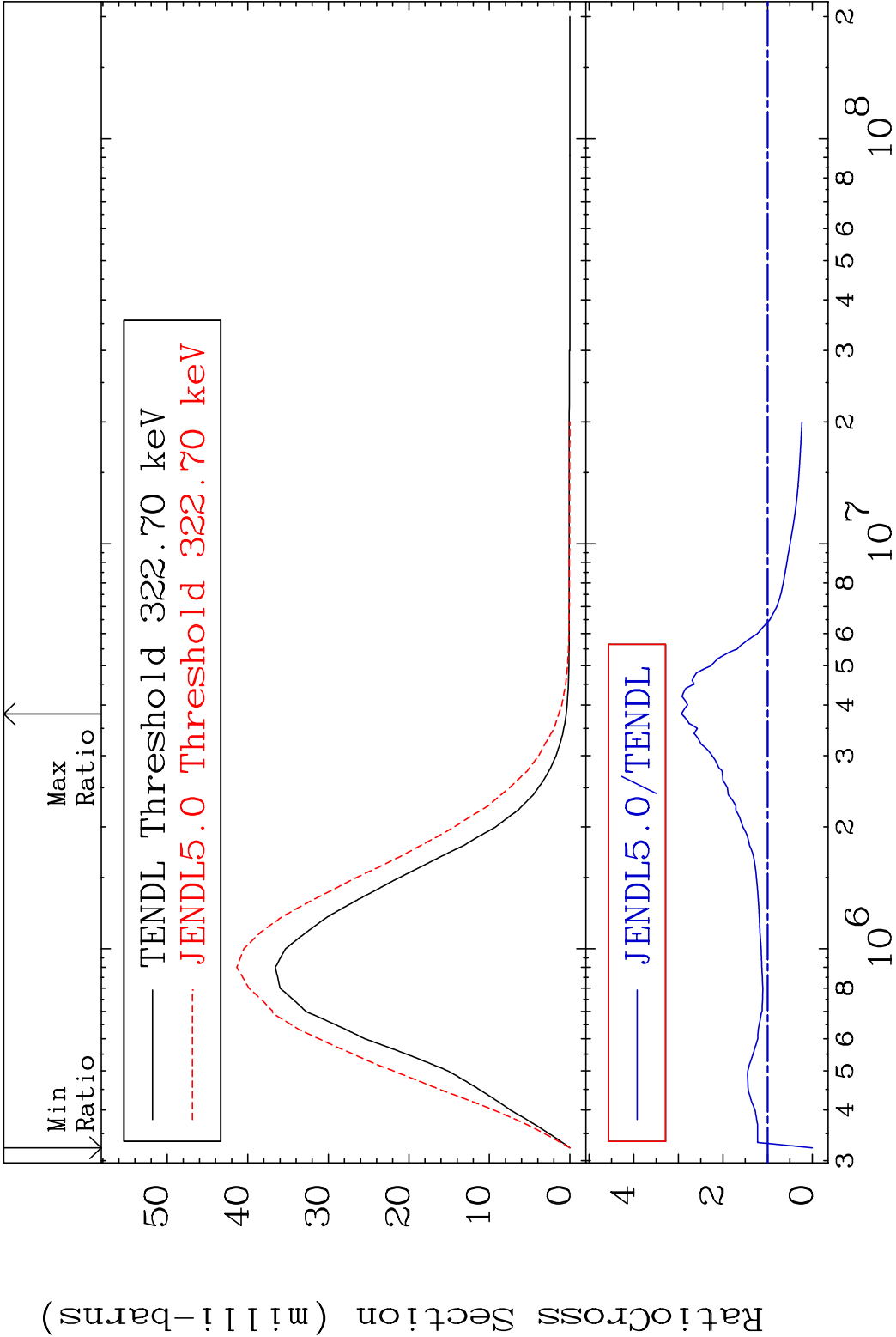
MAT 6640

MT= 62 (n,n') Level

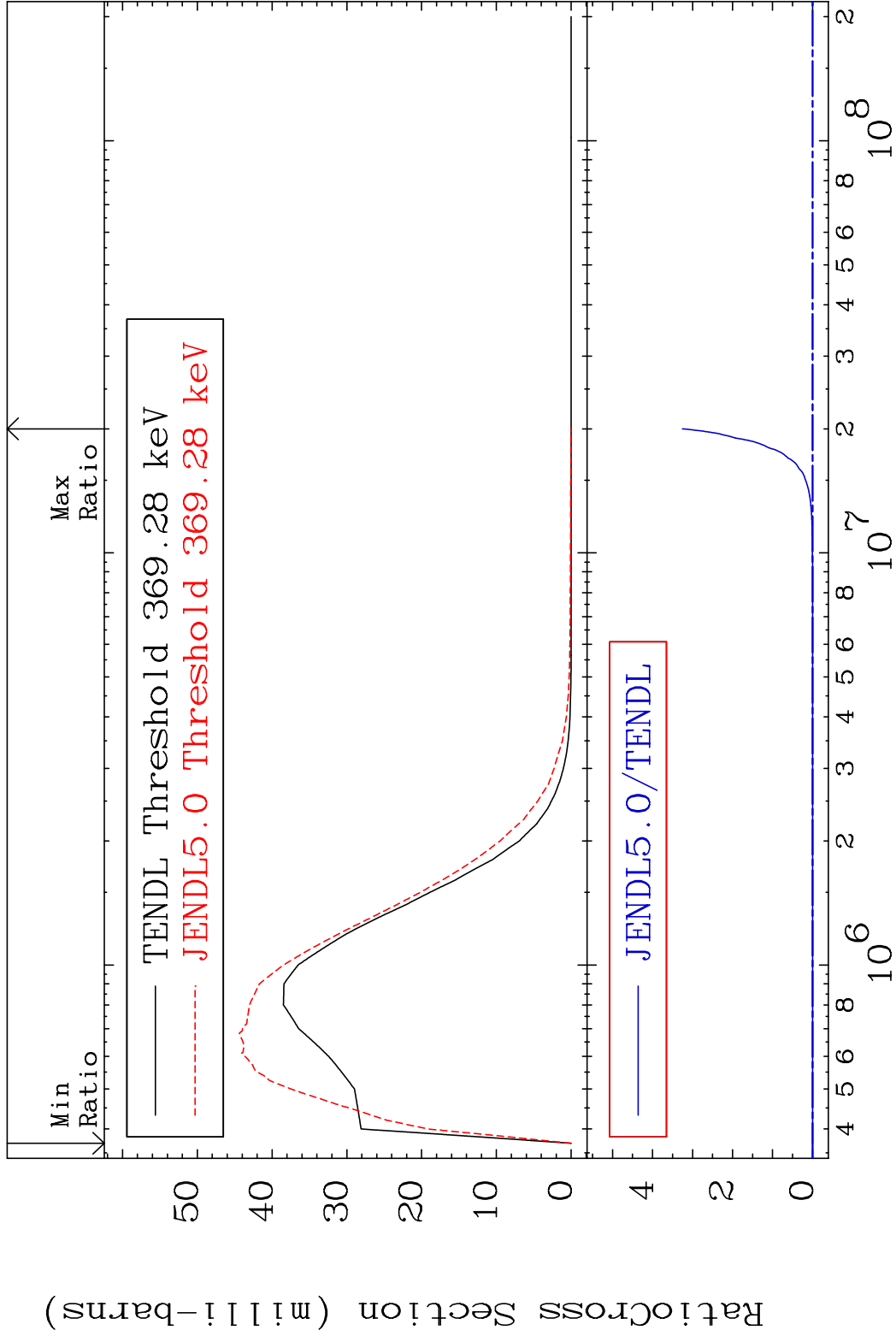
66-Dy-161

Cross Section

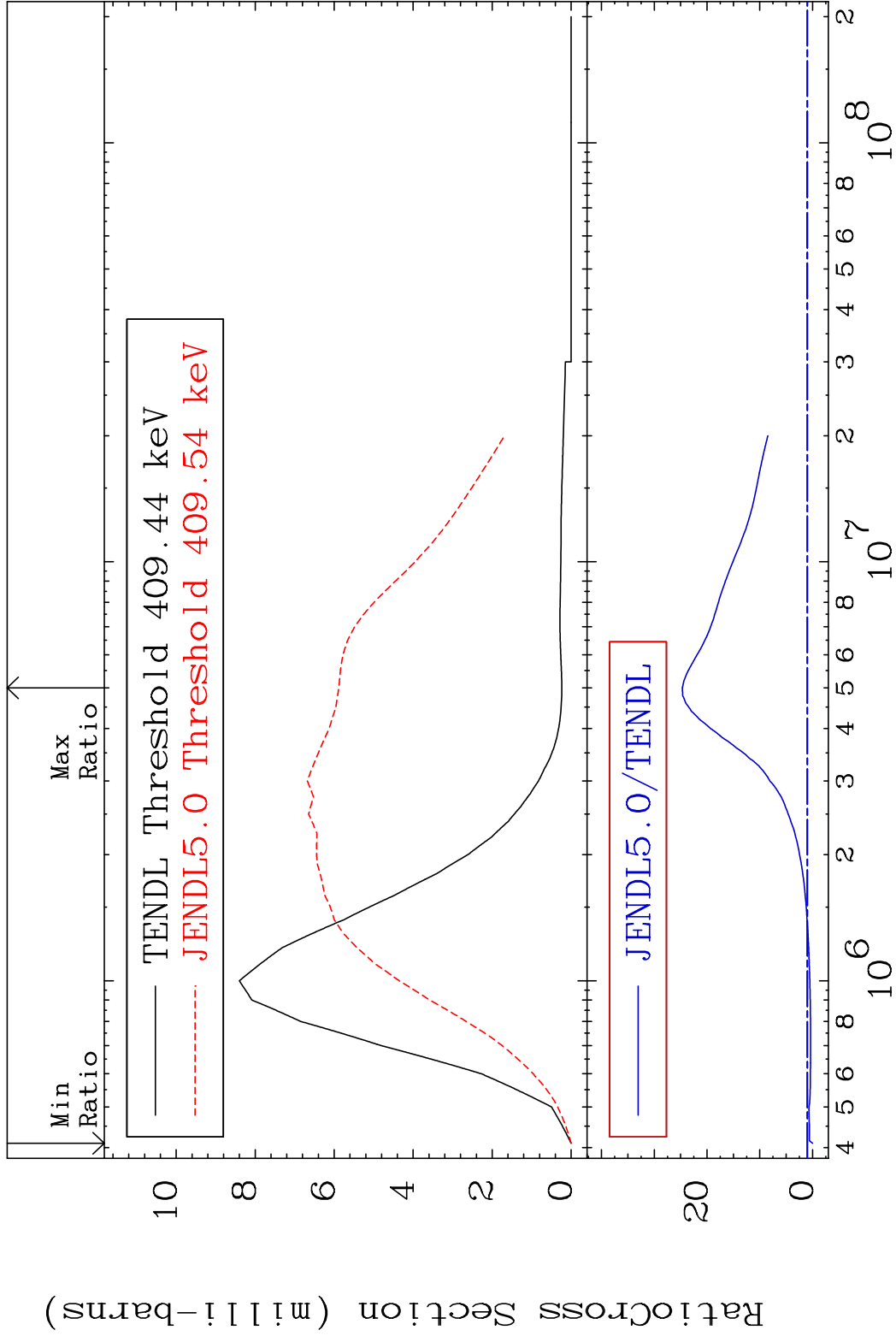
-100.0 To 193.0 %



MAT 6640 MT= 63 (n,n') Level 66-Dy-161
Cross Section -100.0 To 9999. %



MAT 6640 MT= 64 (n,n') Level 66-Dy-161
Cross Section -100.0 To 2368. %



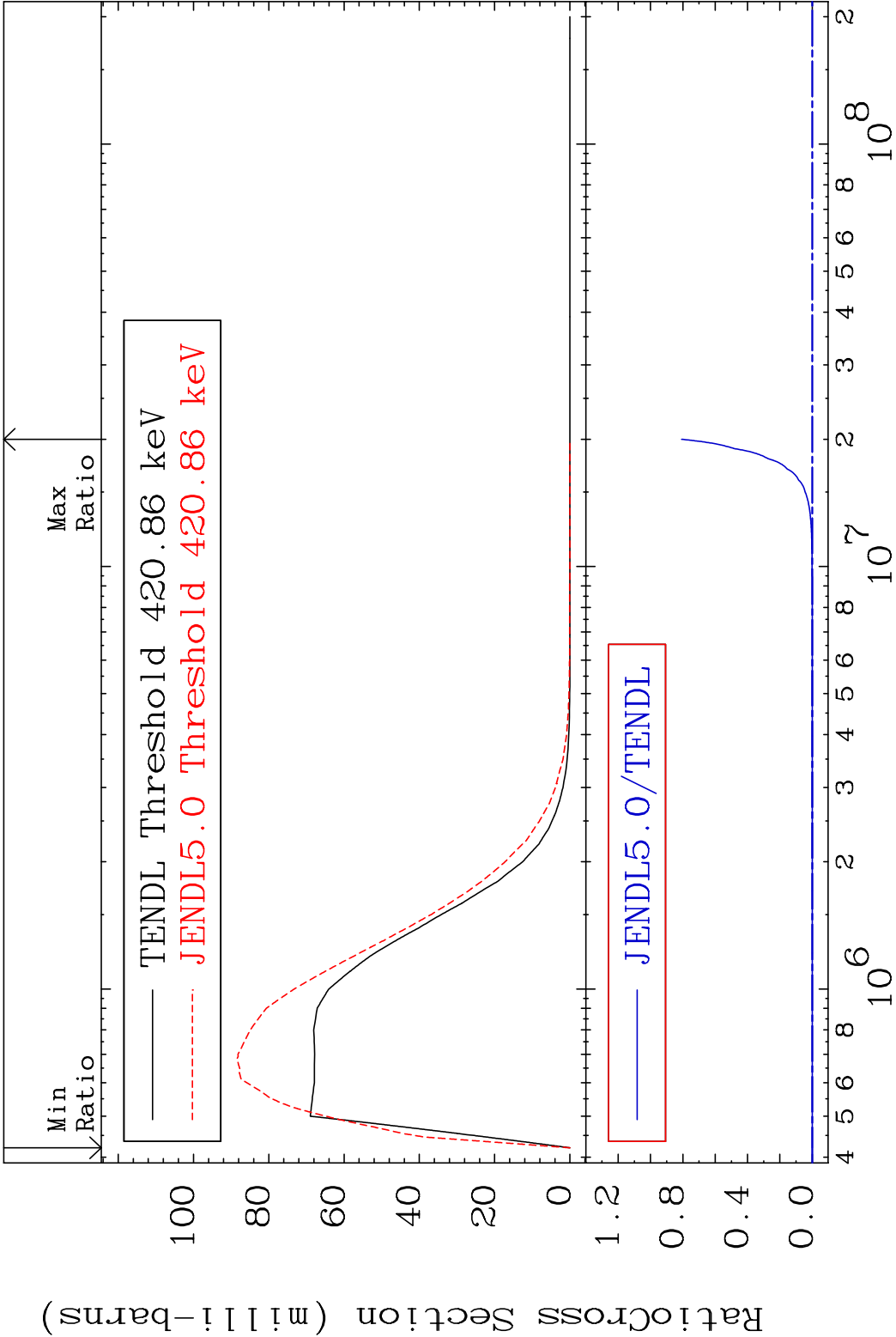
MAT 6640

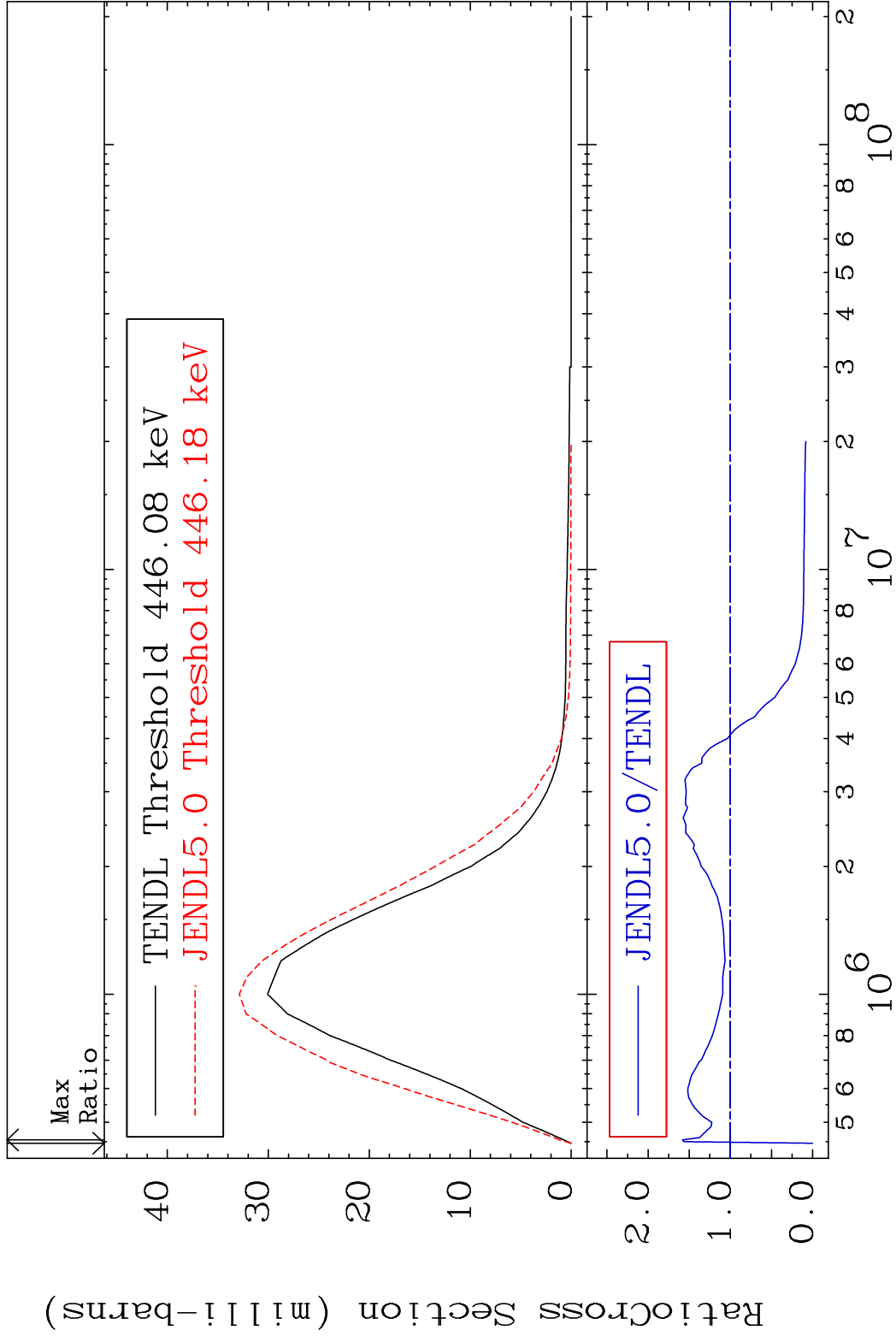
MT= 65 (n,n') Level

66-Dy-161

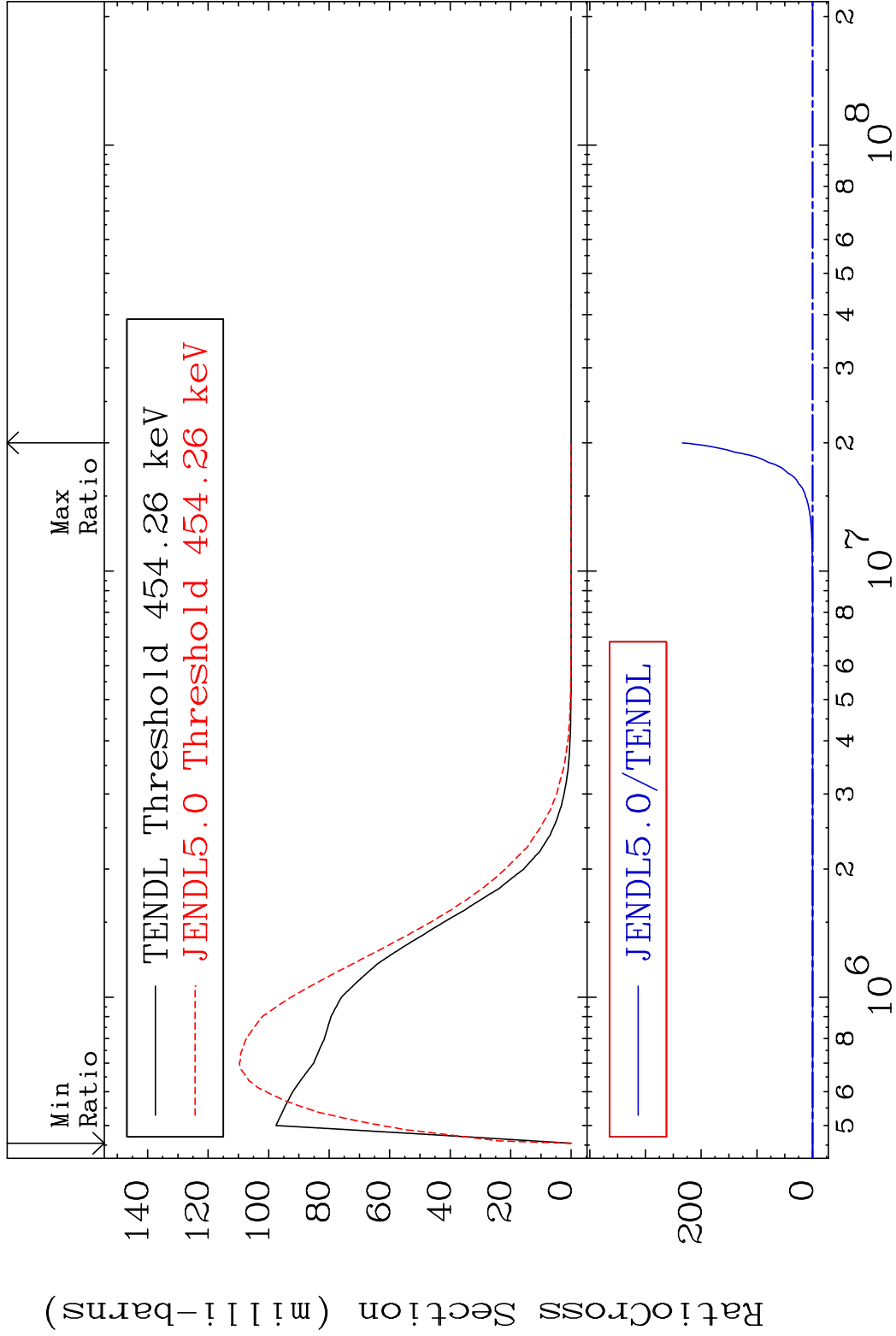
Cross Section

-100.0 To 9999. %

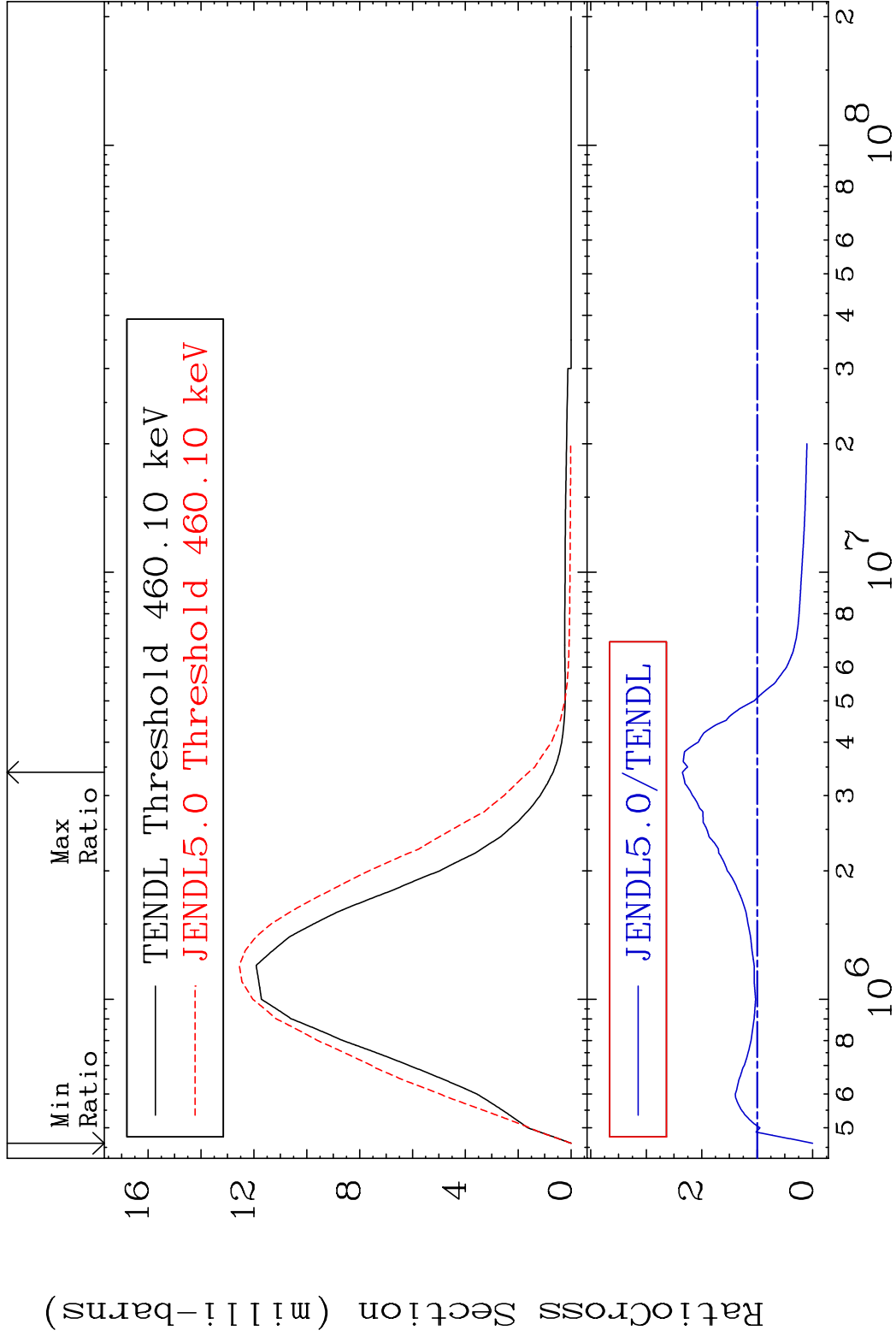


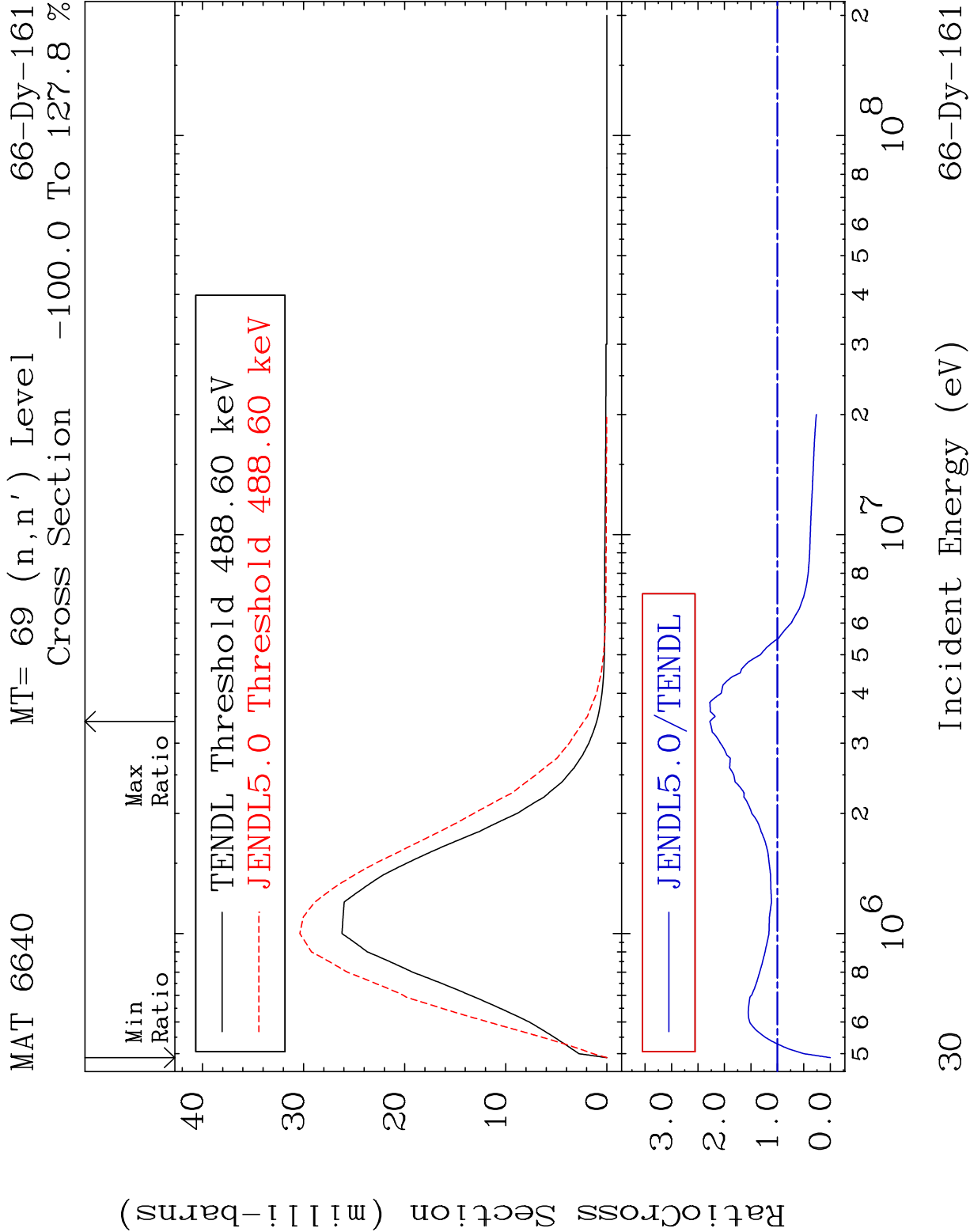


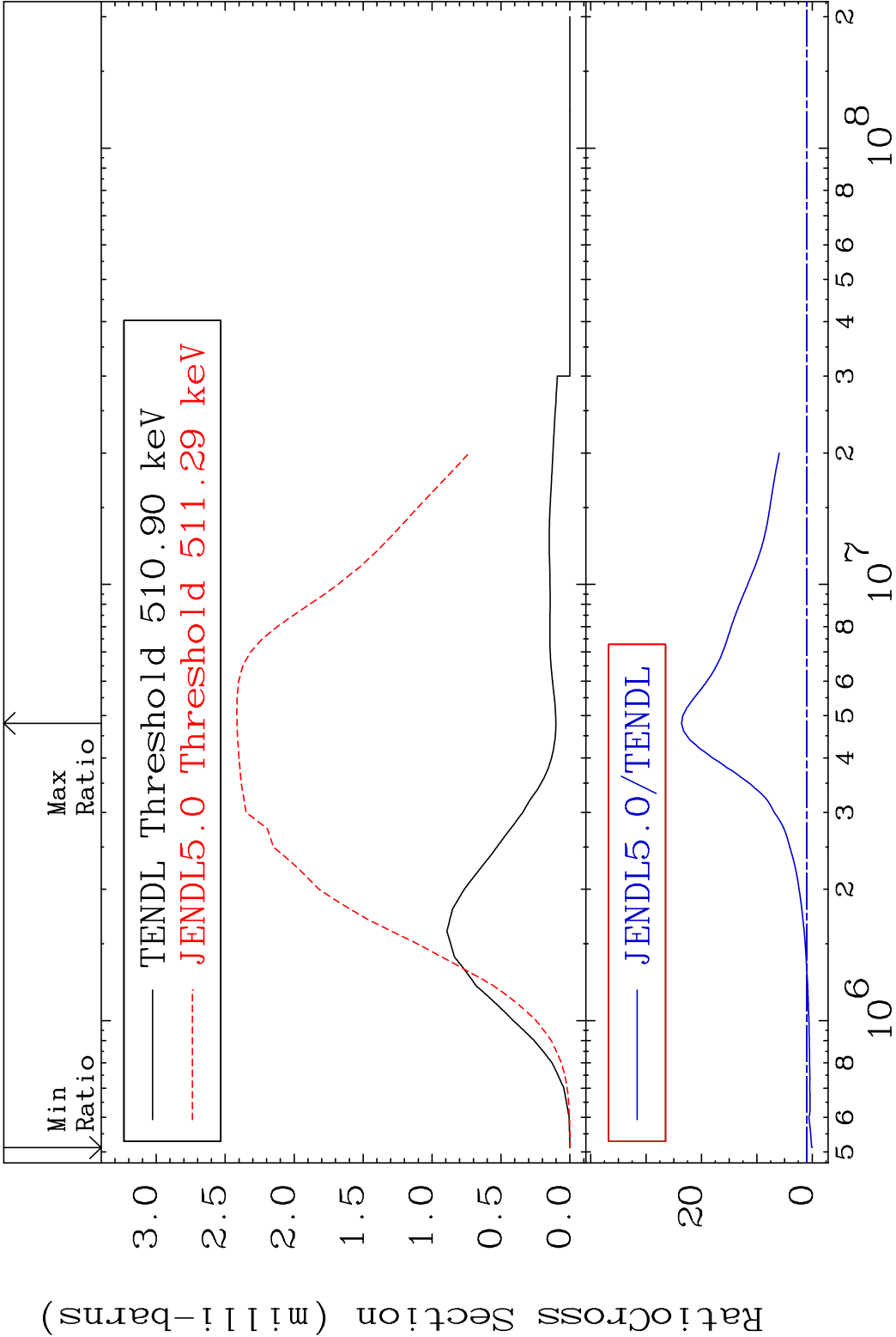
MAT 6640 MT= 67 (n,n') Level 66-Dy-161
Cross Section -100.0 To 9999. %



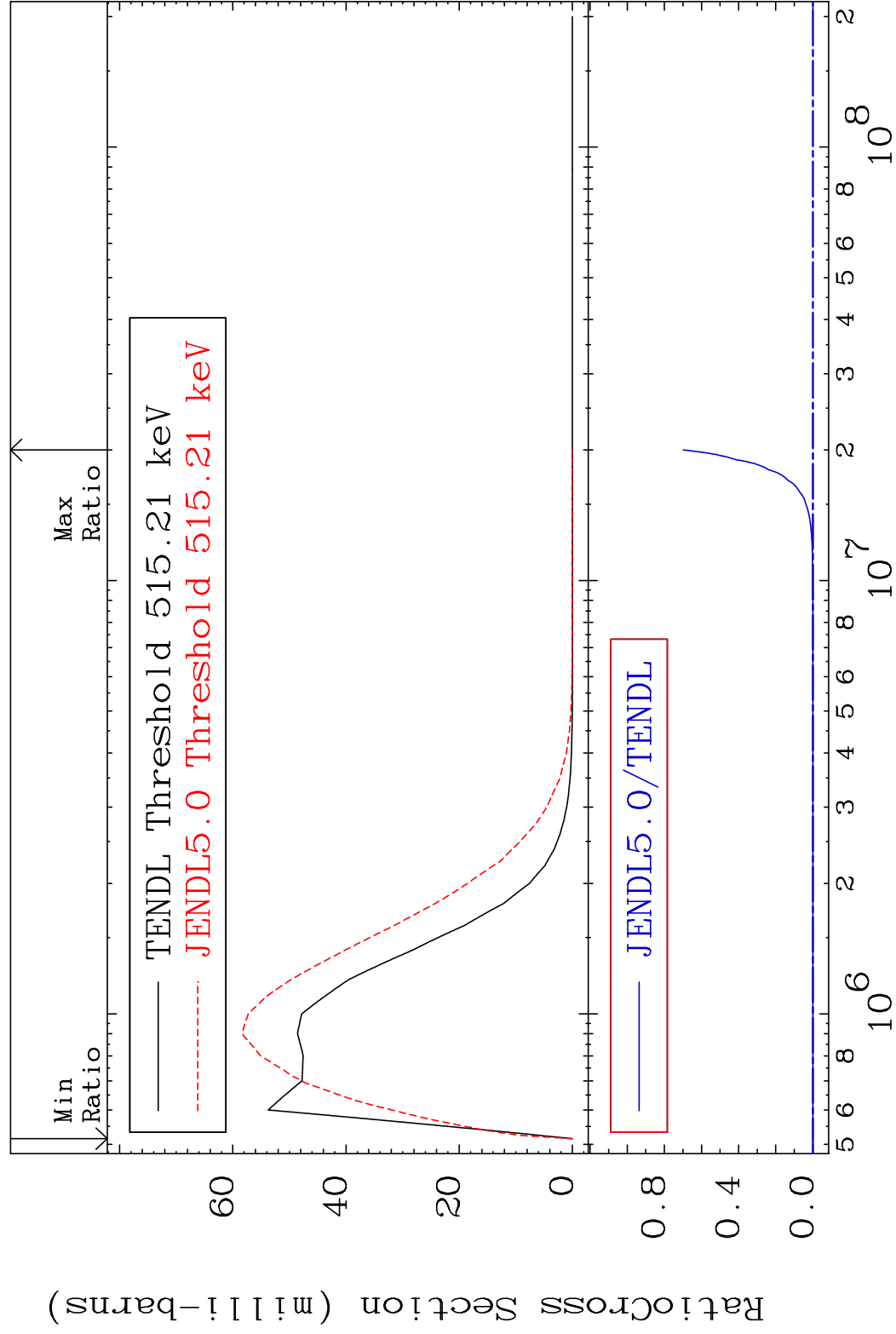
MAT 6640 MT= 68 (n,n') Level 66-Dy-161
Cross Section -100.0 To 134.9 %







MAT 6640	MT= 71 (n,n')	Level	66-Dy-161
	Cross Section	-100.0 To 9999. %	



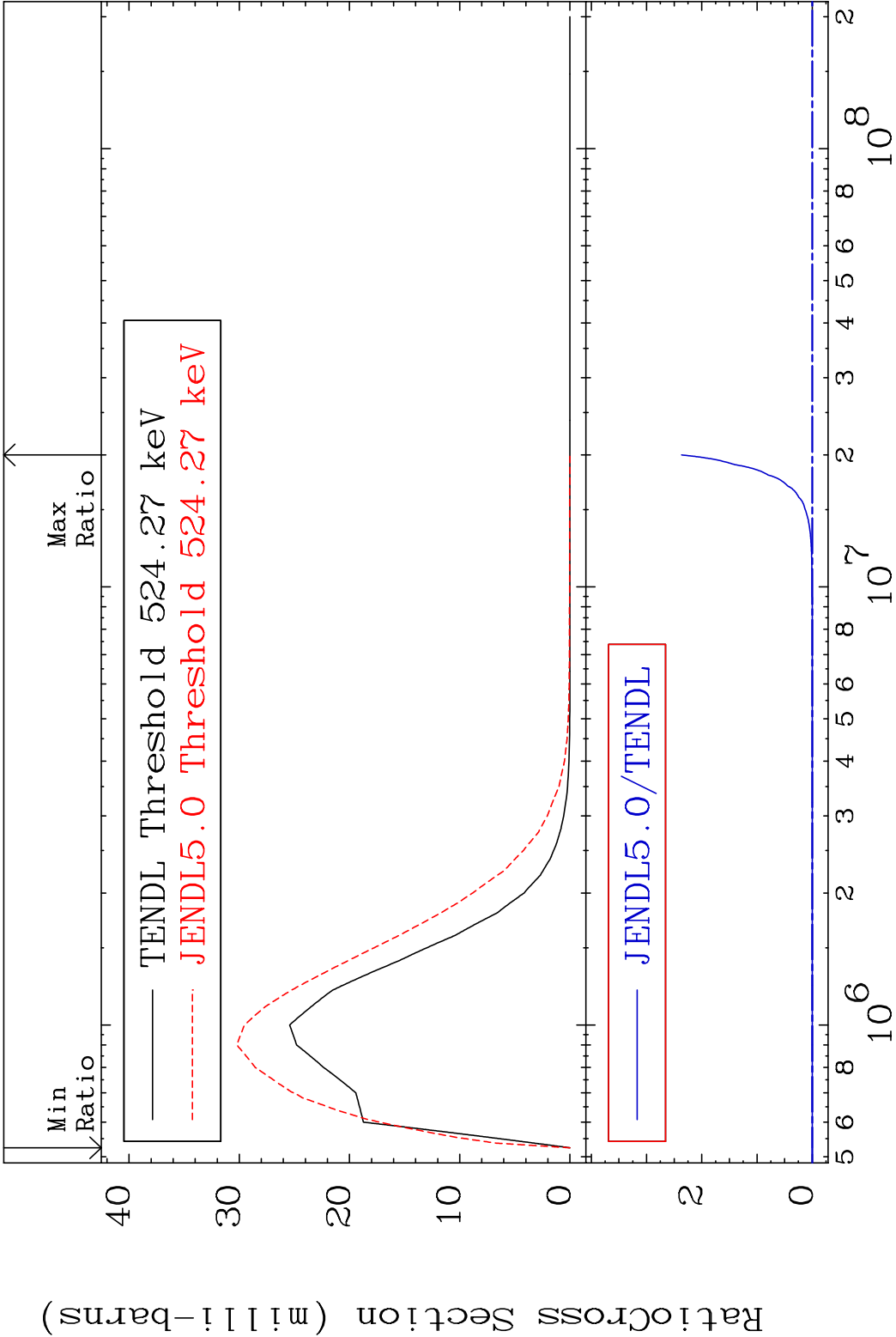
MAT 6640

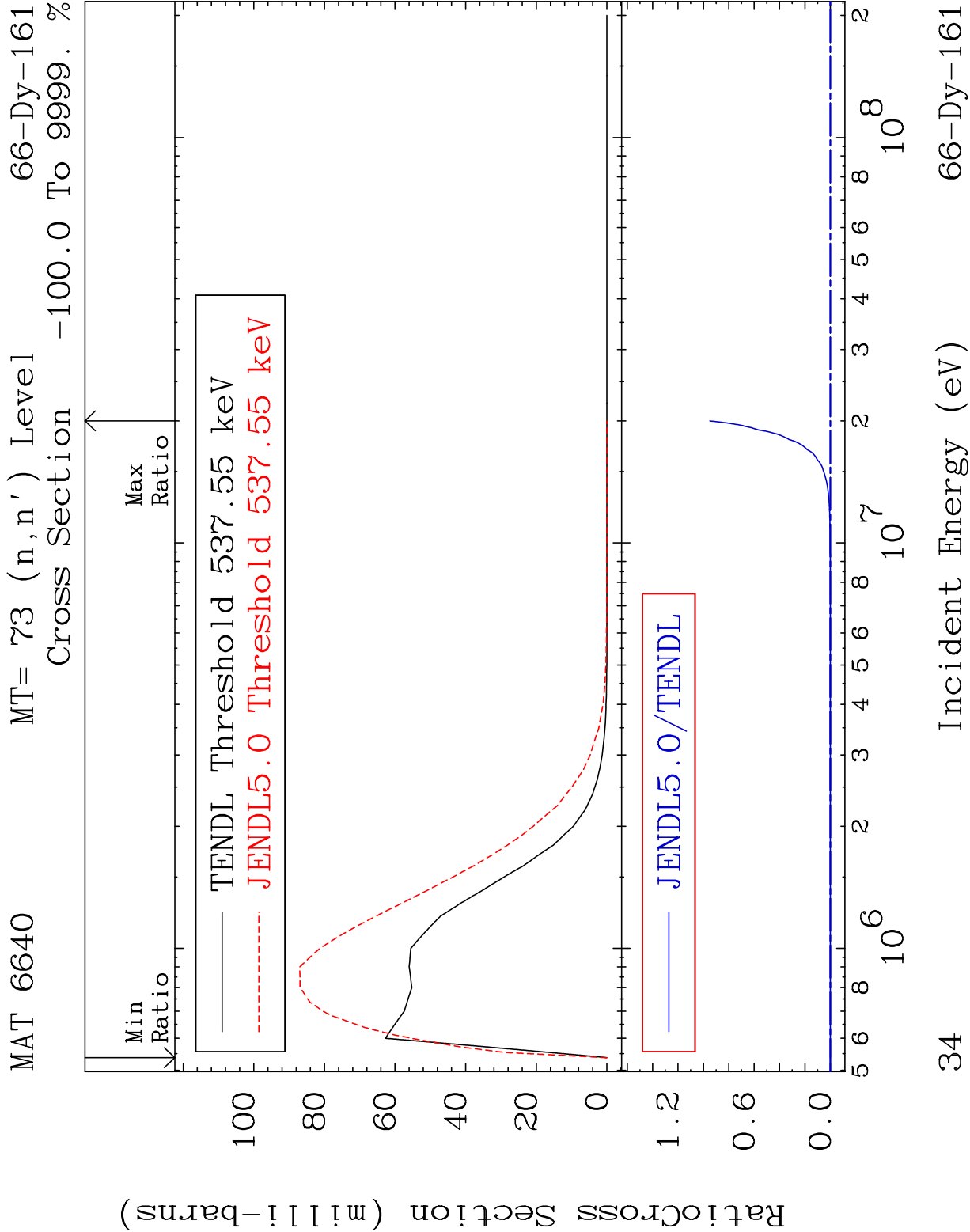
MT= 72 (n,n') Level

66-Dy-161

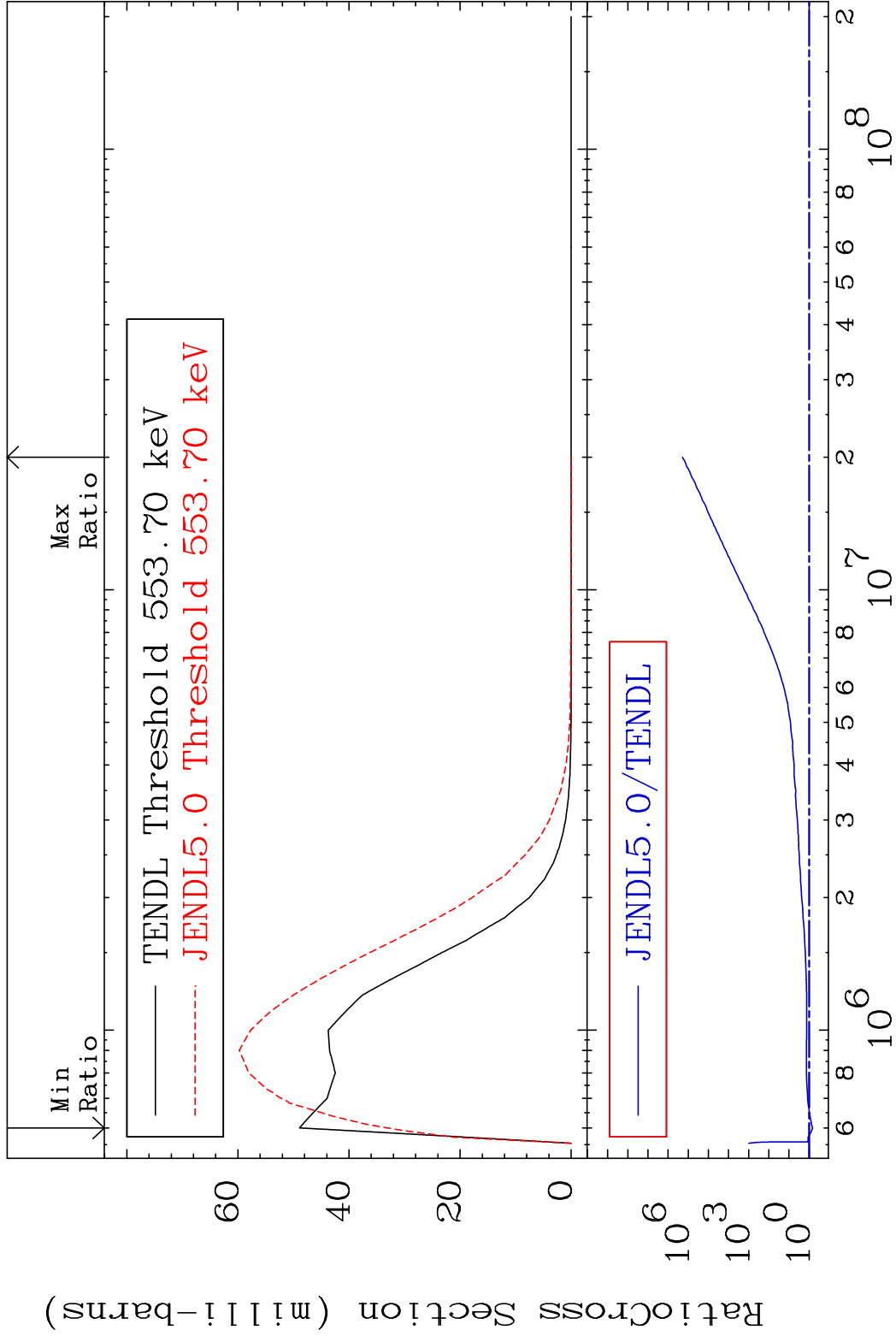
Cross Section

-100.0 To 9999. %

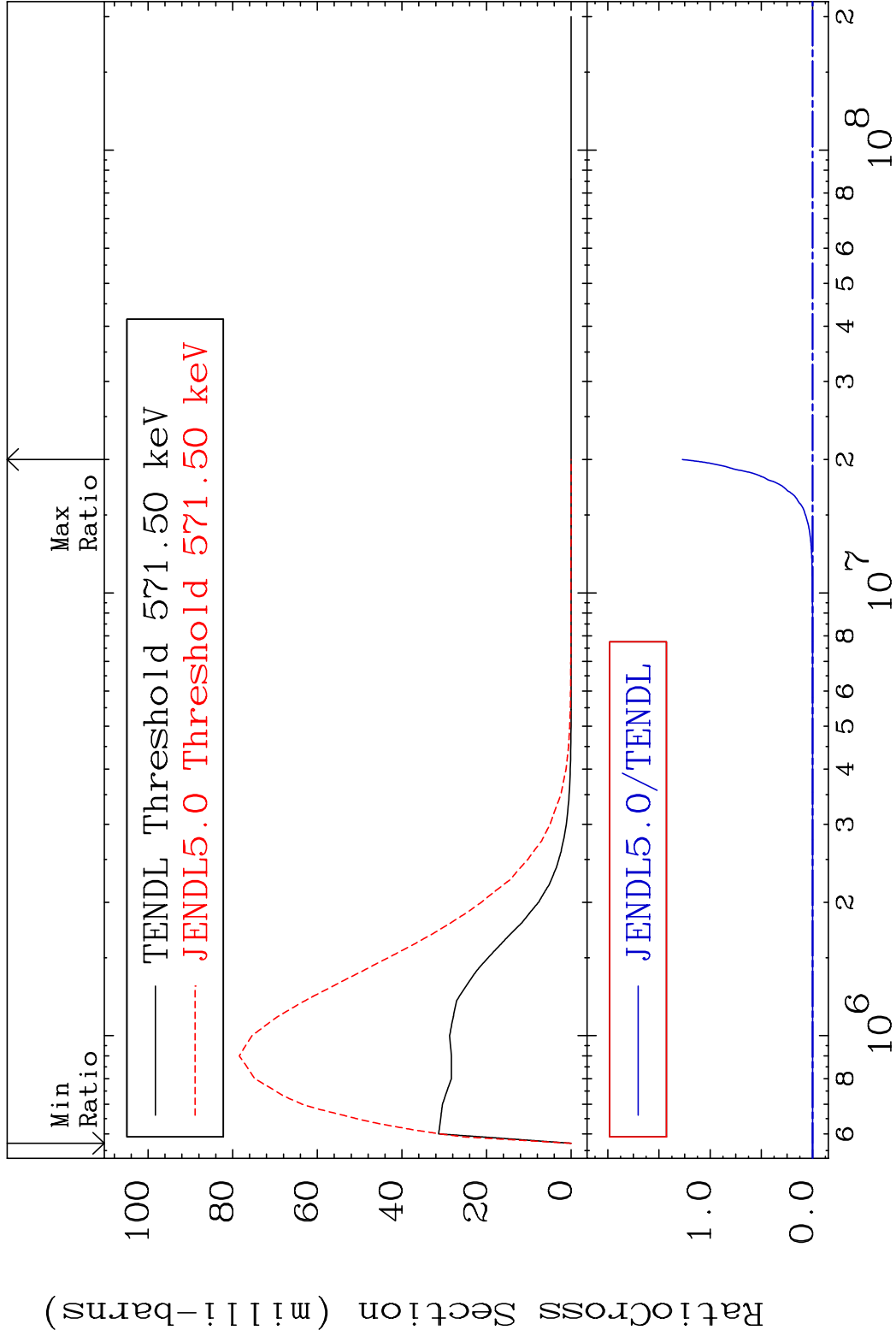




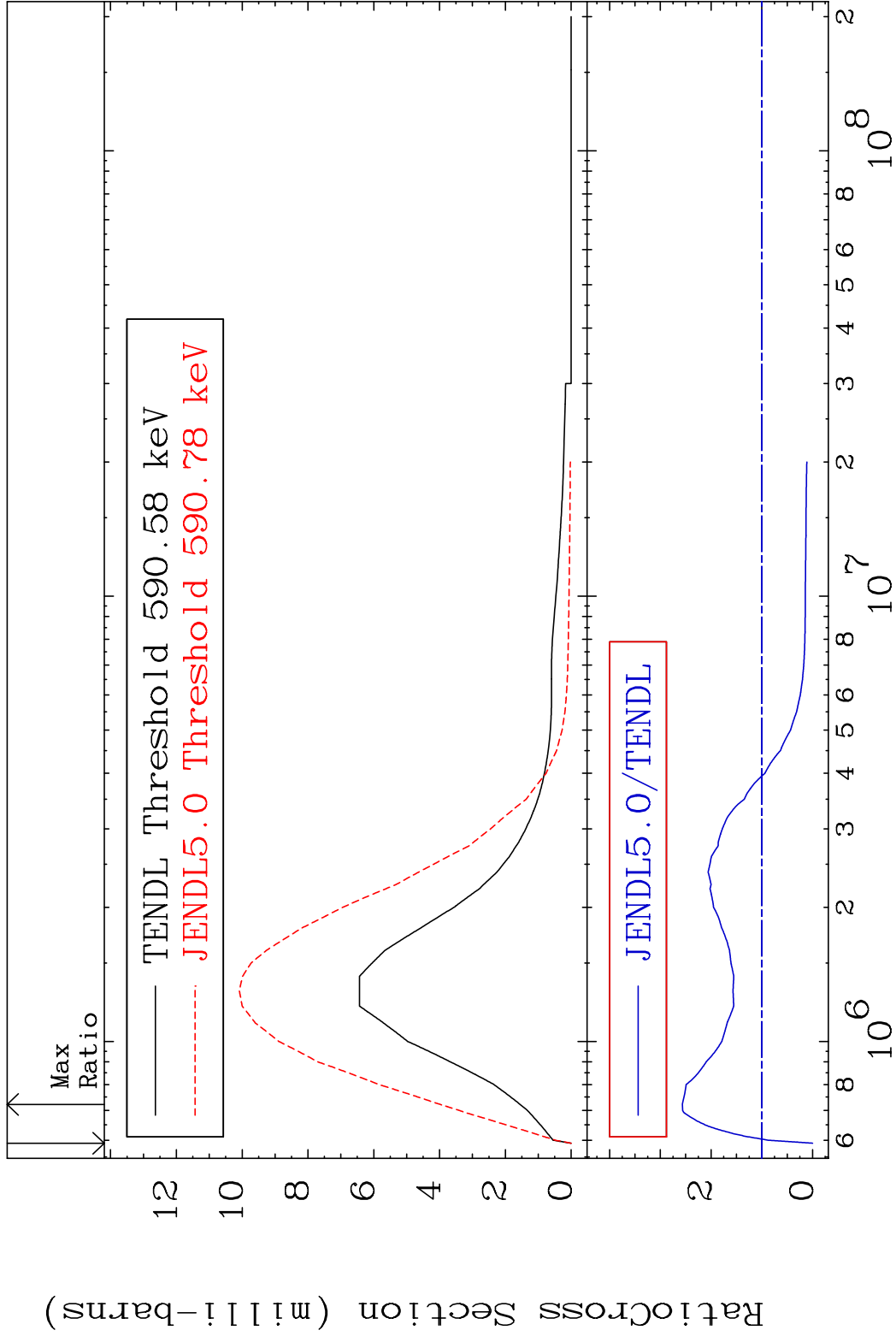
MAT 6640 MT= 74 (n,n') Level 66-Dy-161
Cross Section -32.24 To 9999. %



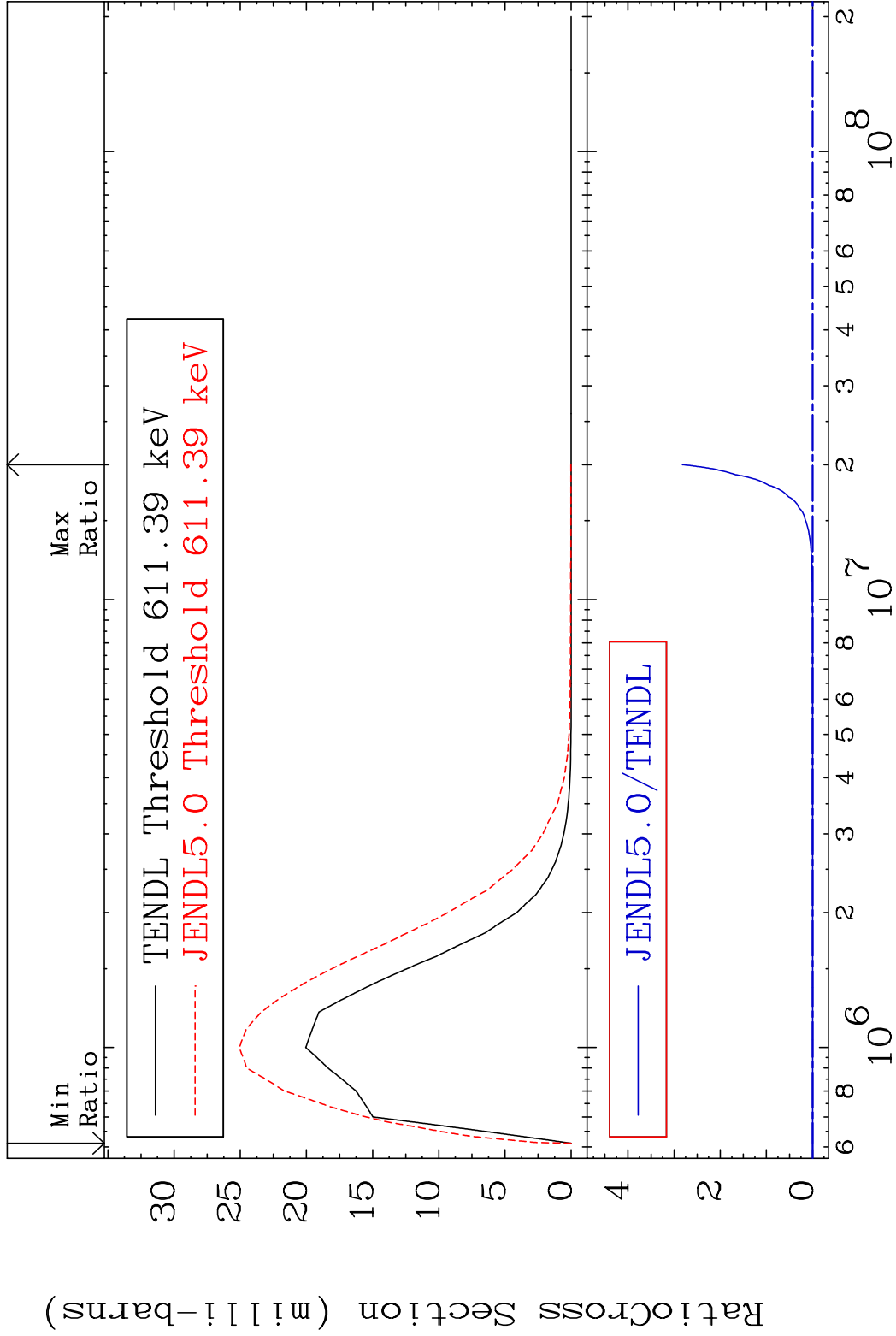
MAT 6640 MT= 75 (n,n') Level 66-Dy-161
Cross Section -100.0 To 9999. %



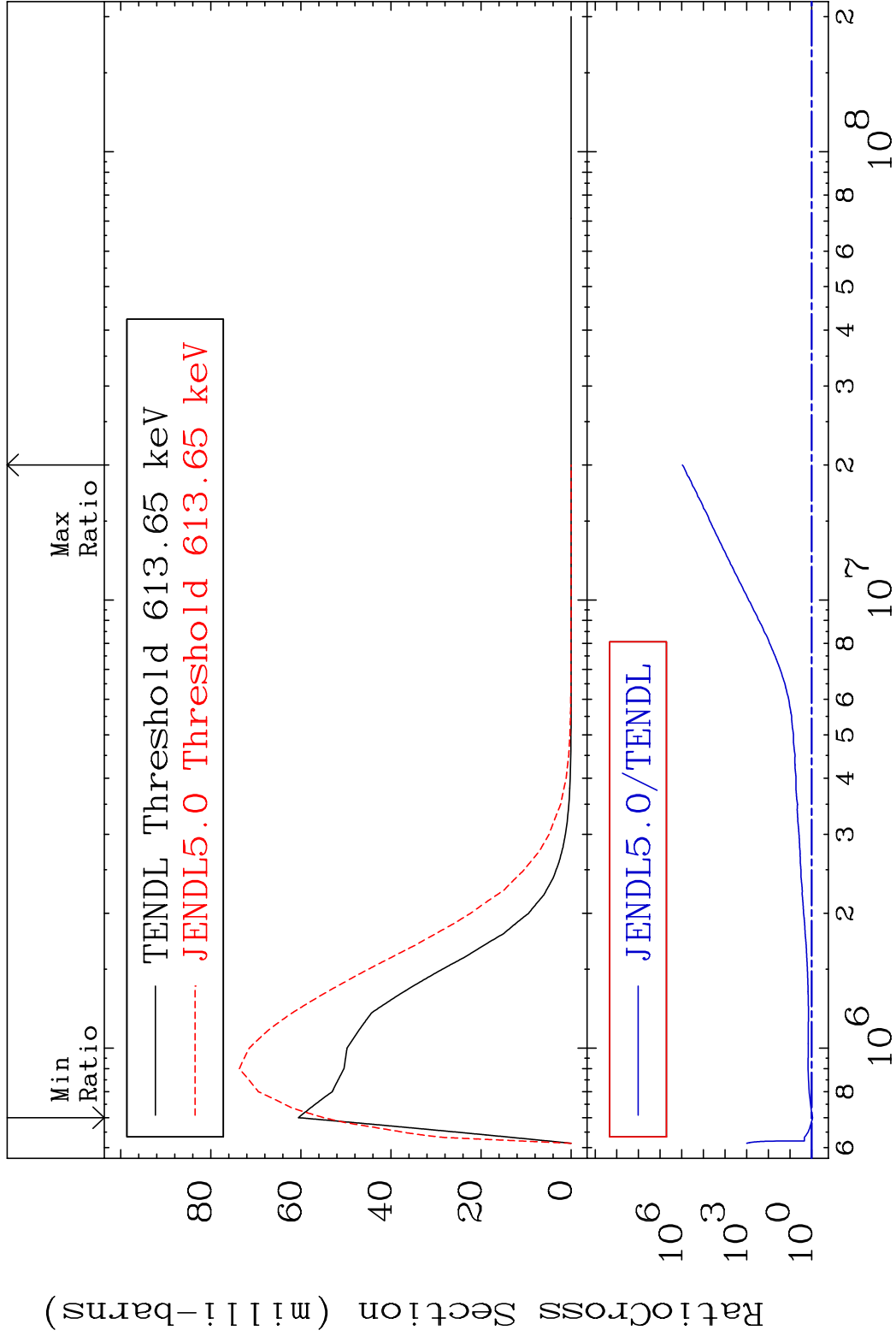
MAT 6640 MT= 76 (n,n') Level 66-Dy-161
Cross Section -100.0 To 156.6 %



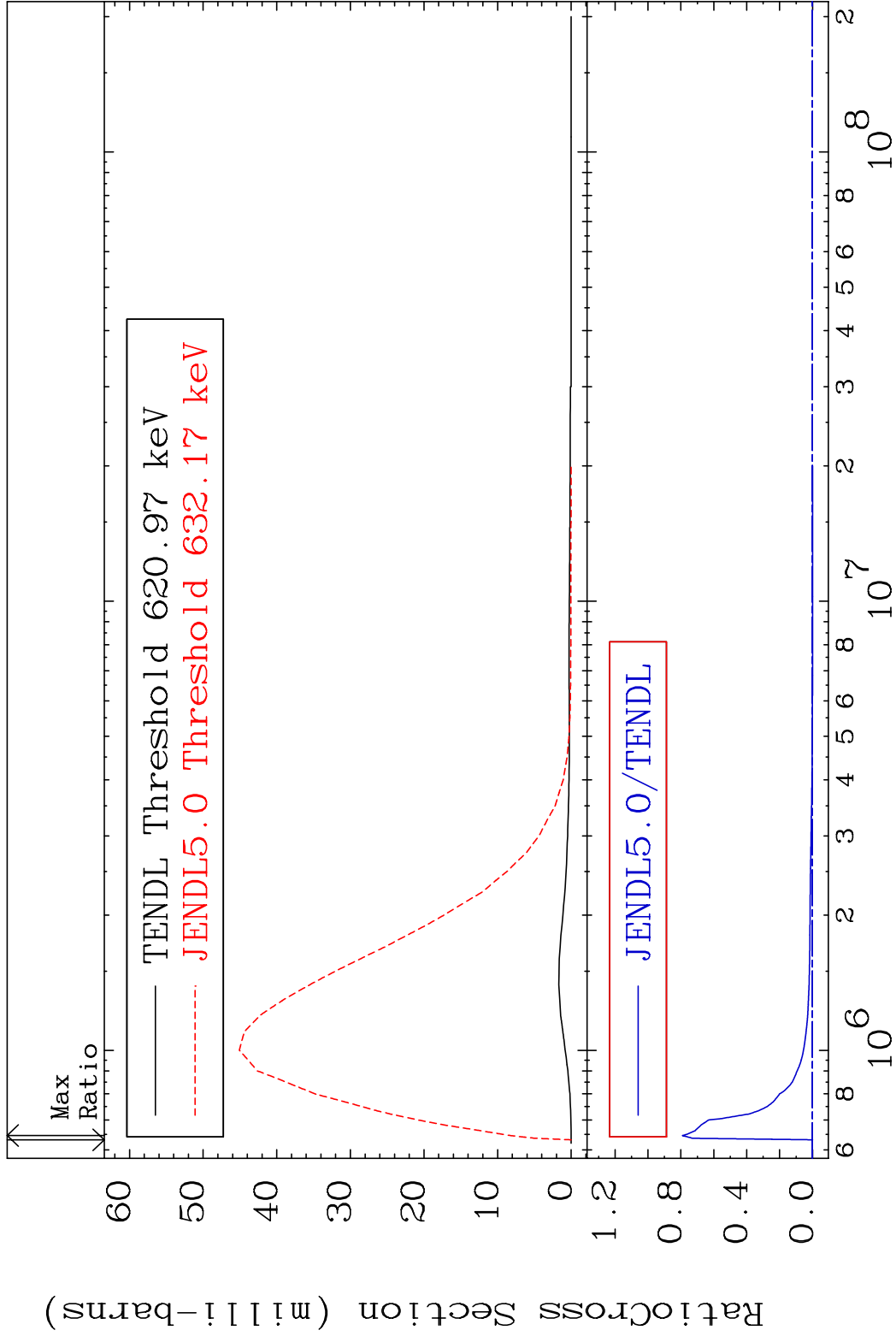
MAT 6640 MT= 77 (n,n') Level 66-Dy-161
Cross Section -100.0 To 9999. %



MAT 6640 MT= 78 (n,n') Level 66-Dy-161
Cross Section -9.260 To 9999. %

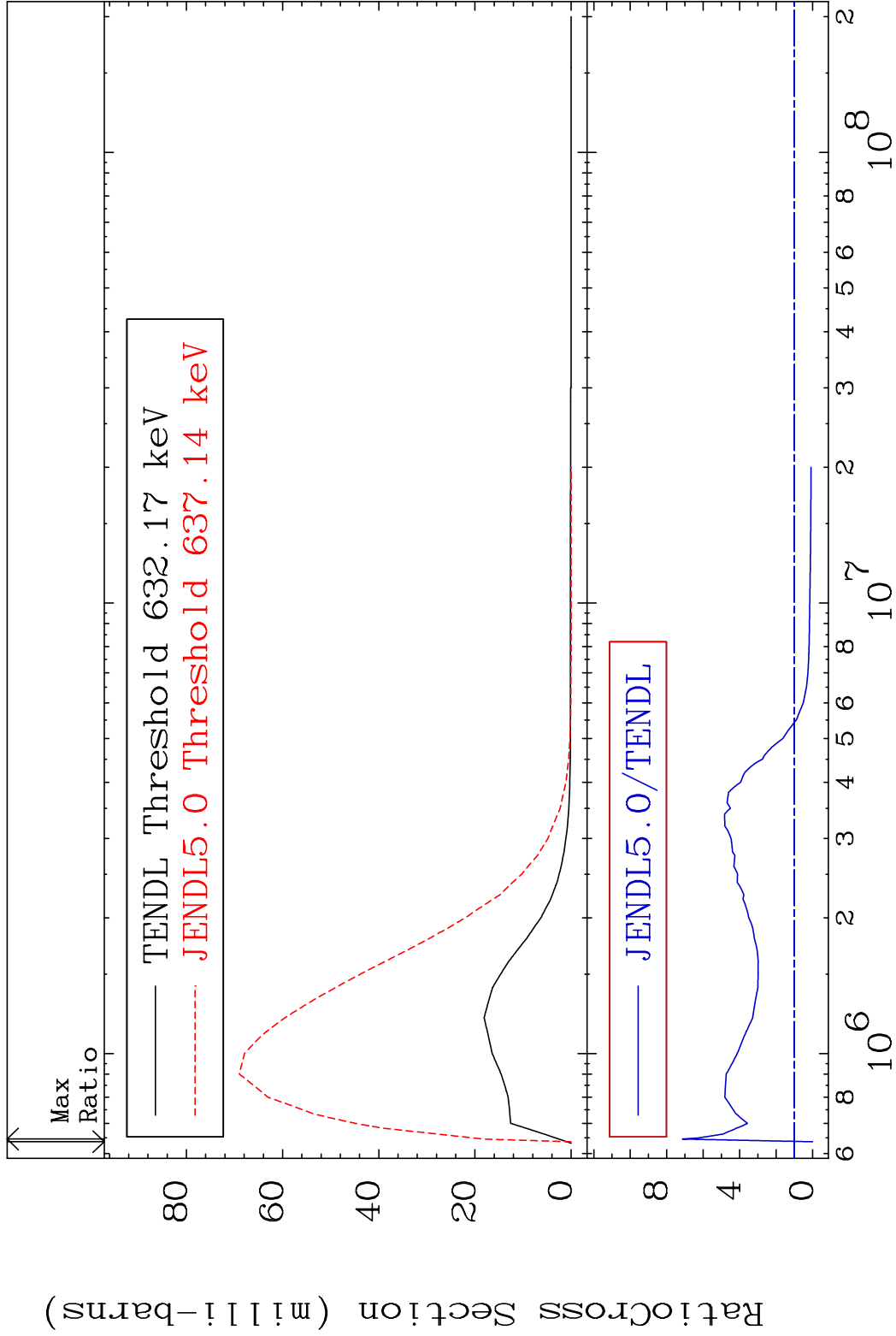


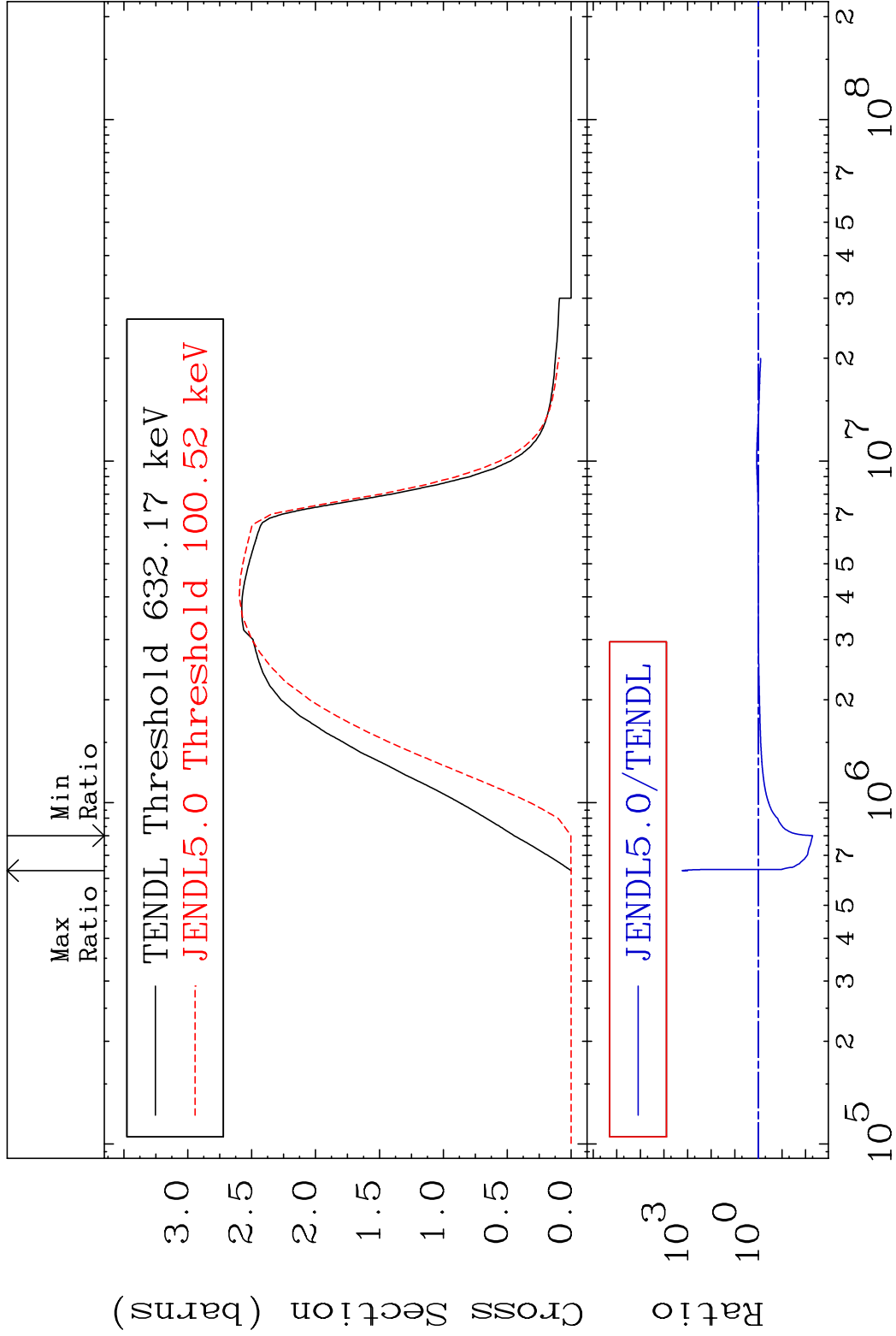
MAT 6640 MT= 79 (n,n') Level 66-Dy-161
Cross Section -100.0 To 9999. %

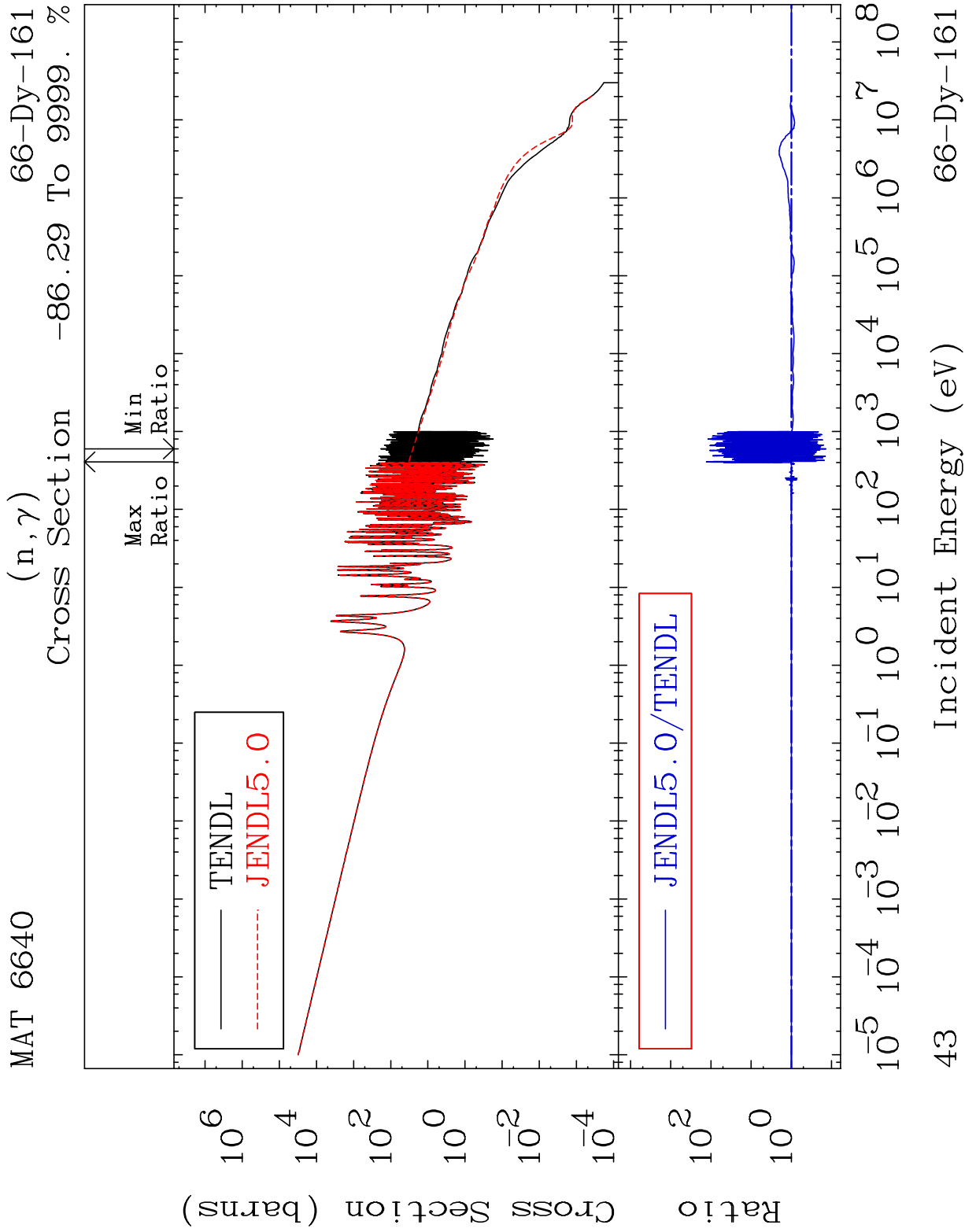


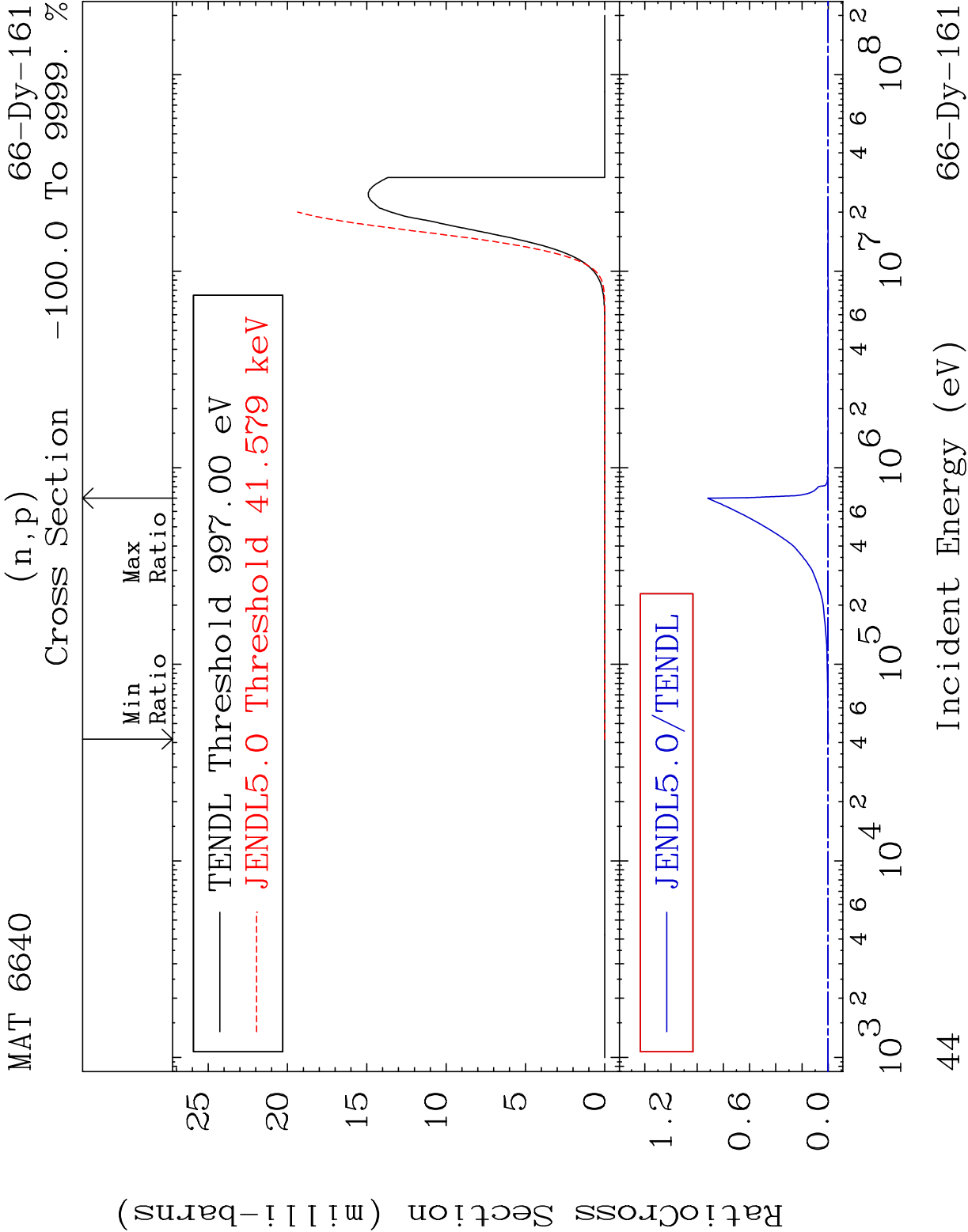
40 Incident Energy (eV) 66-Dy-161

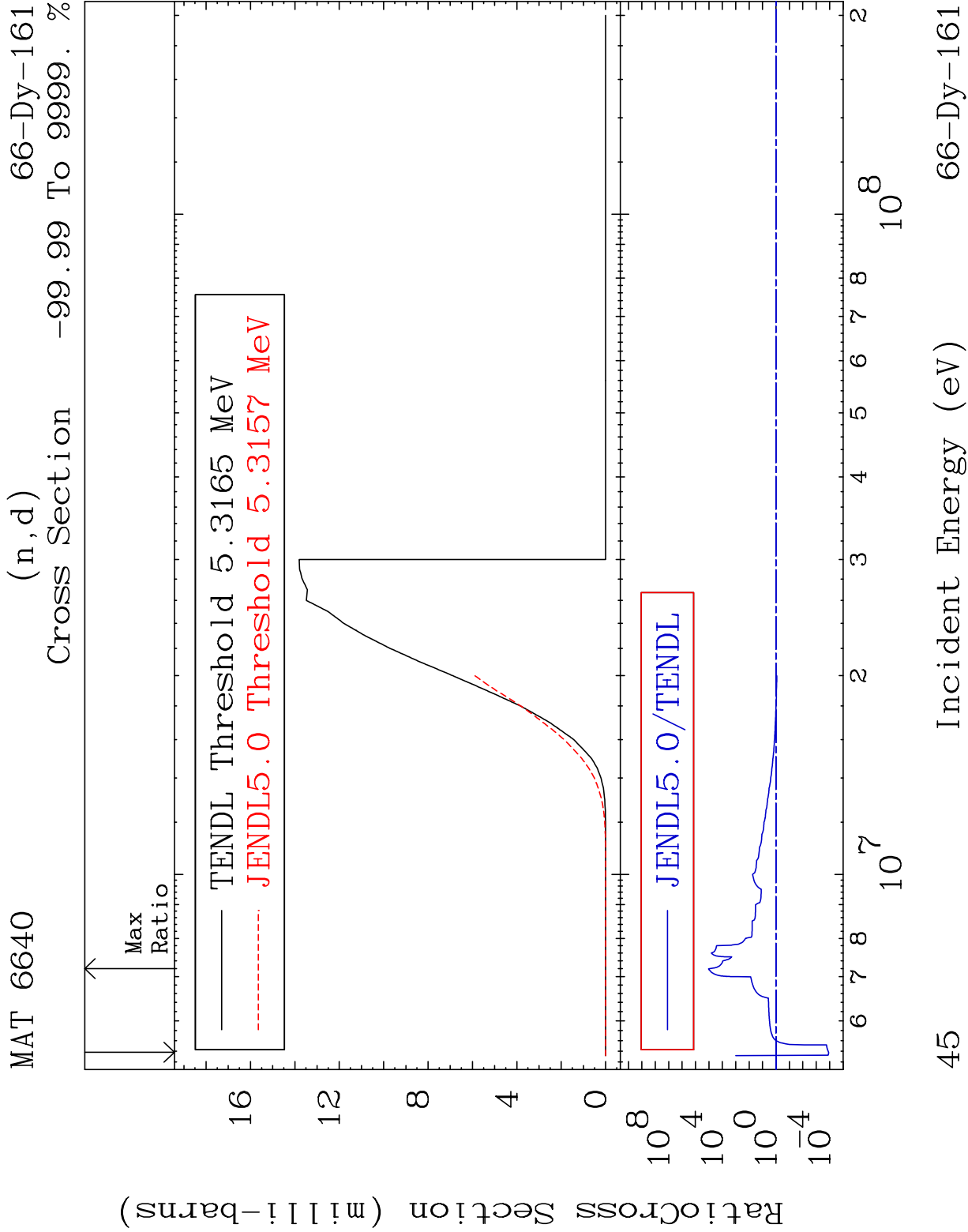
MAT 6640 MT= 80 (n,n') Level 66-Dy-161
Cross Section -100.0 To 614.2 %

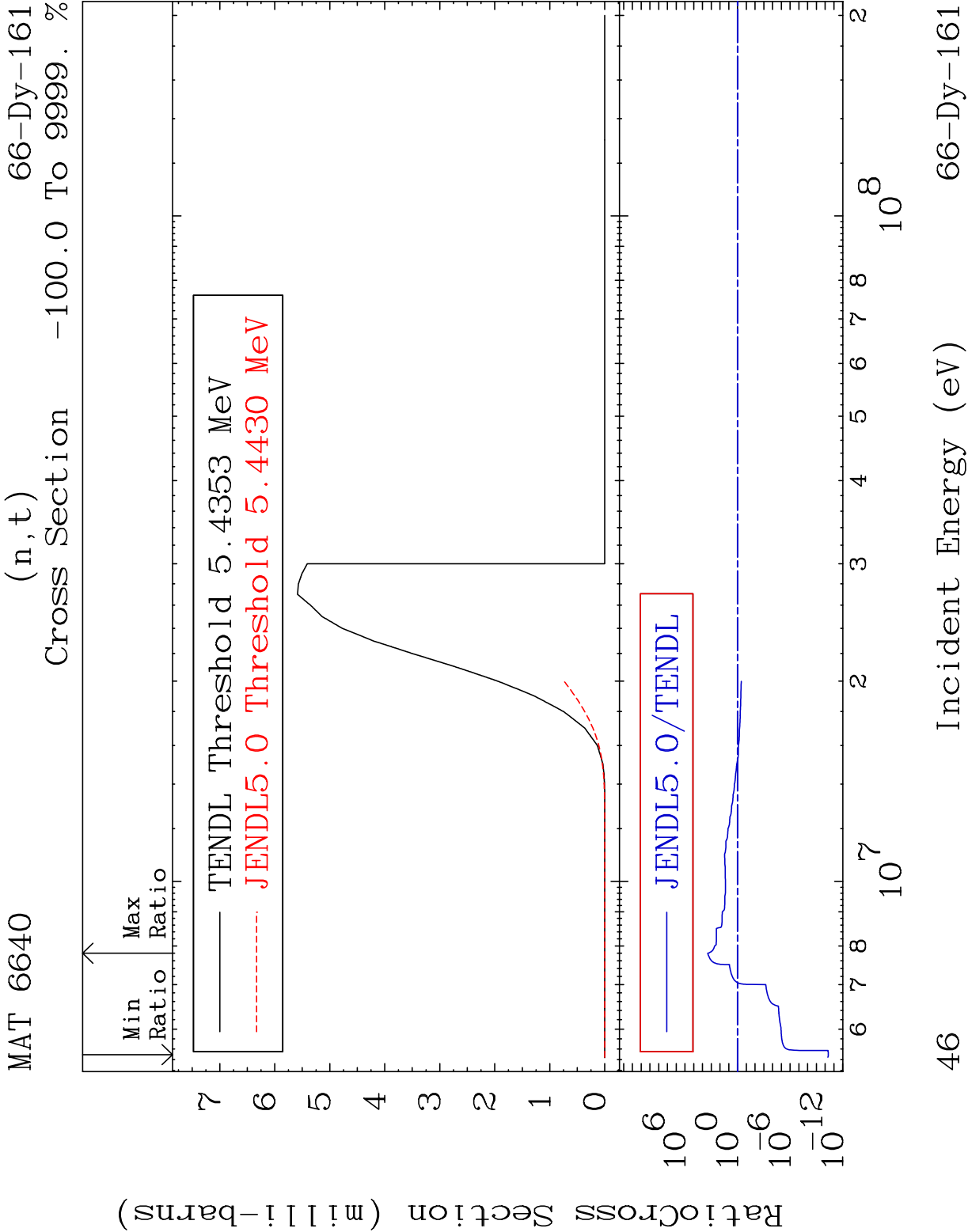


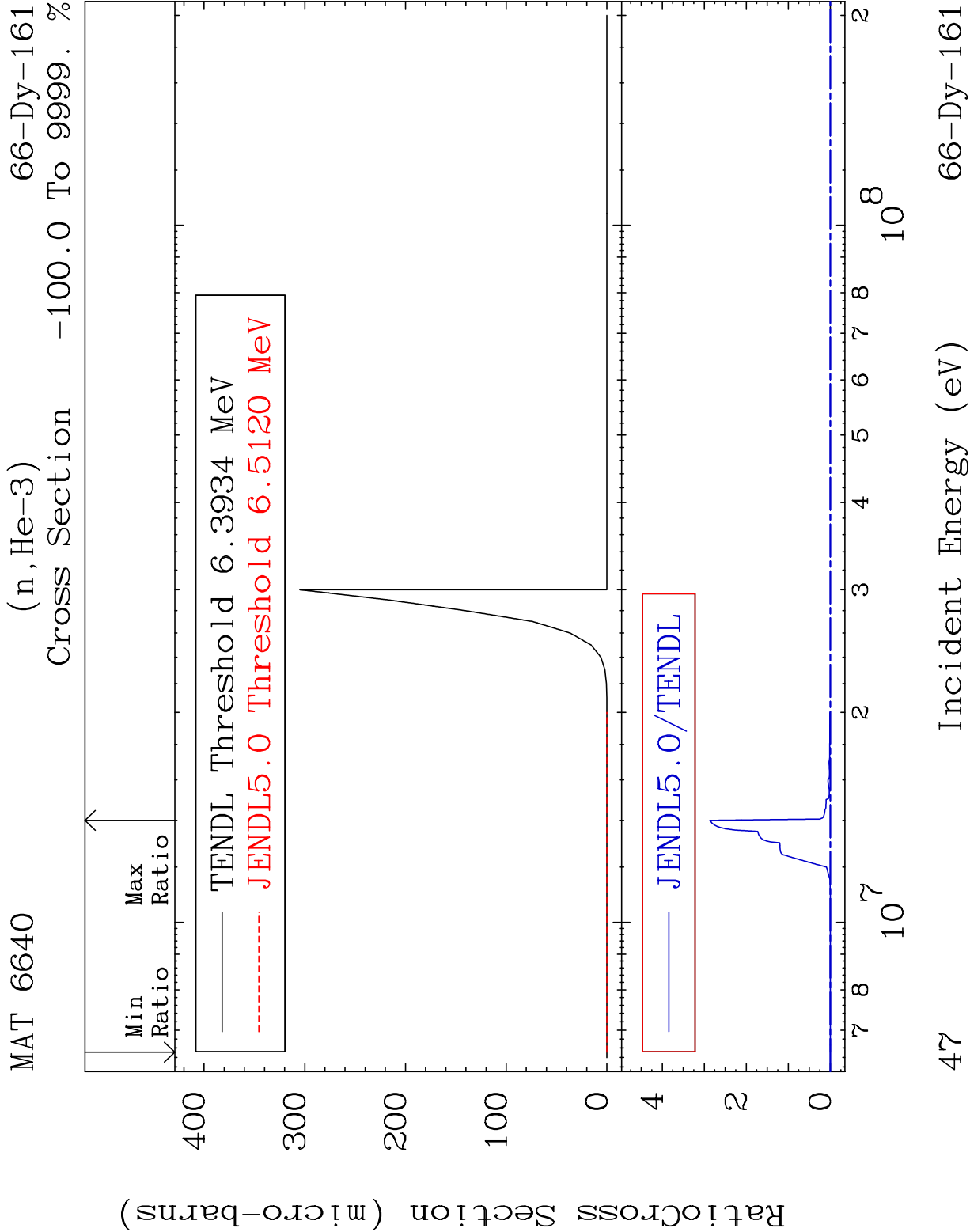


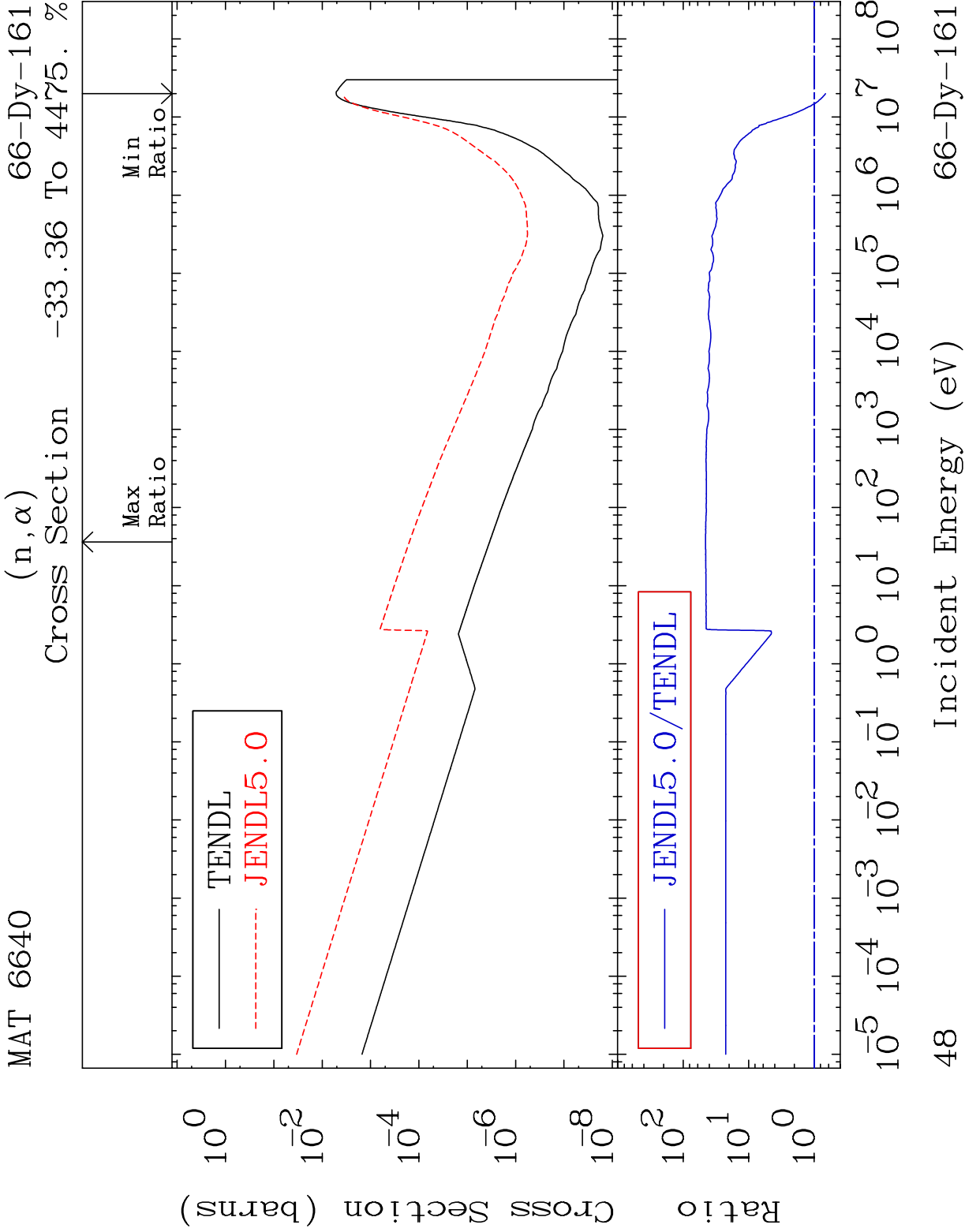


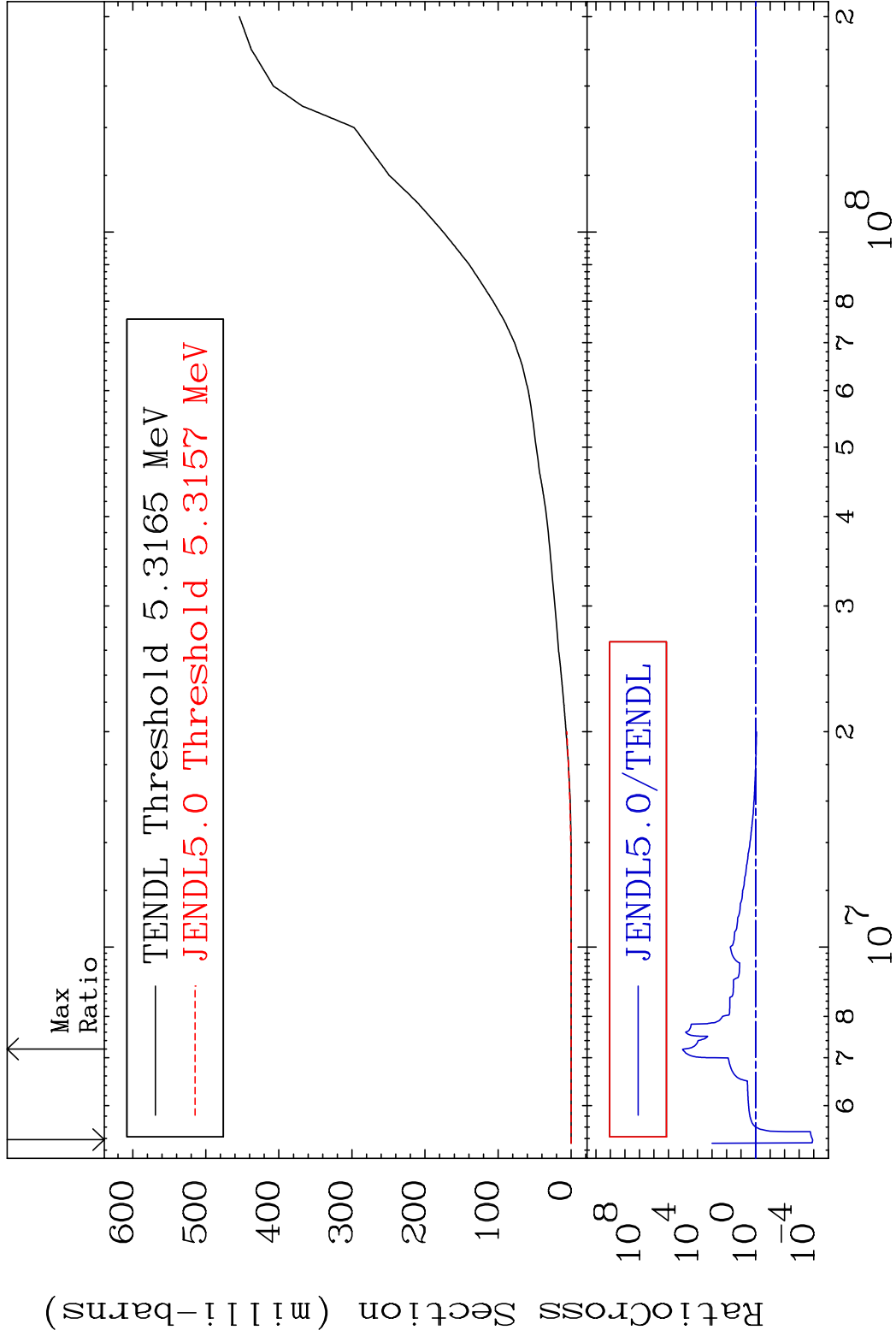


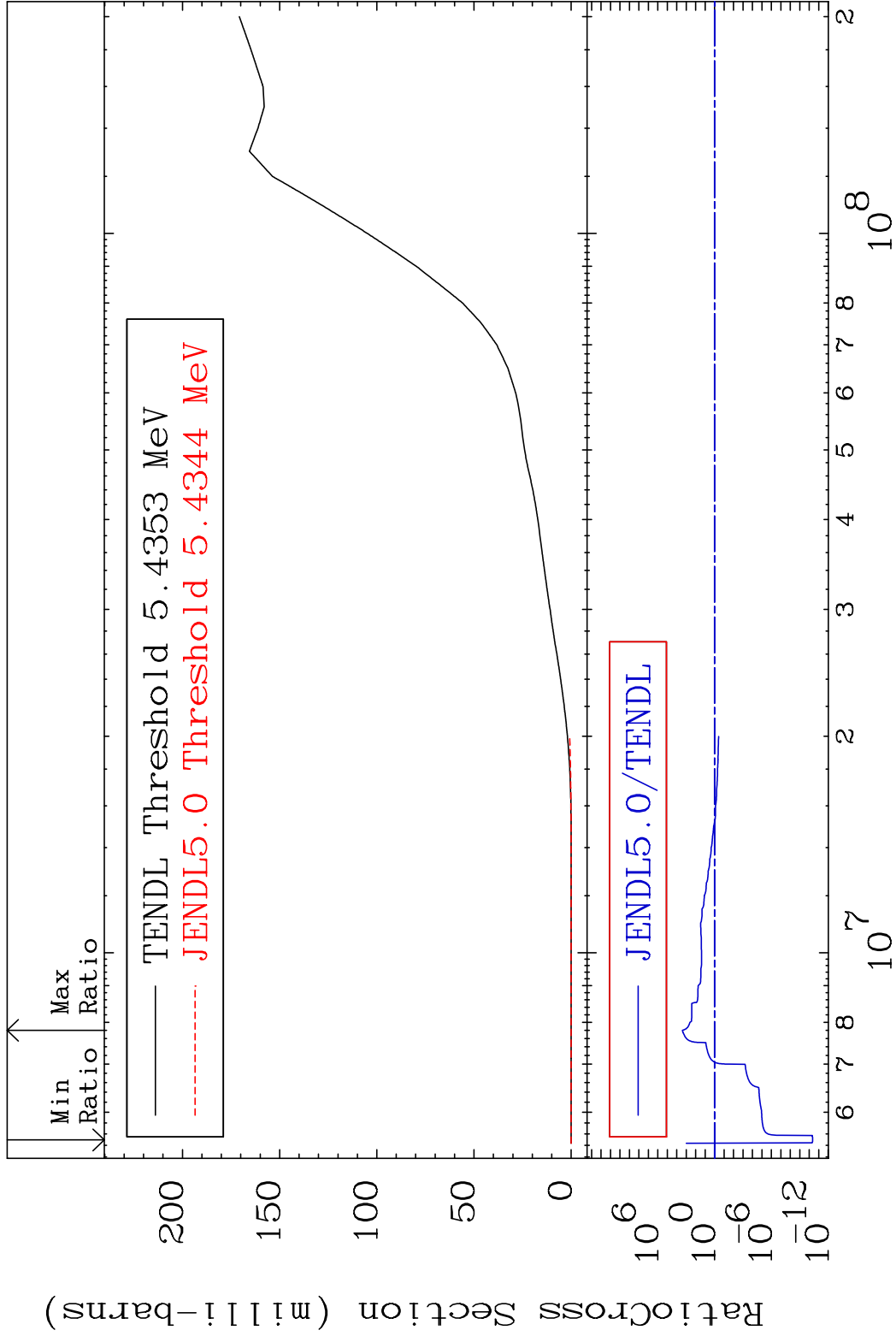


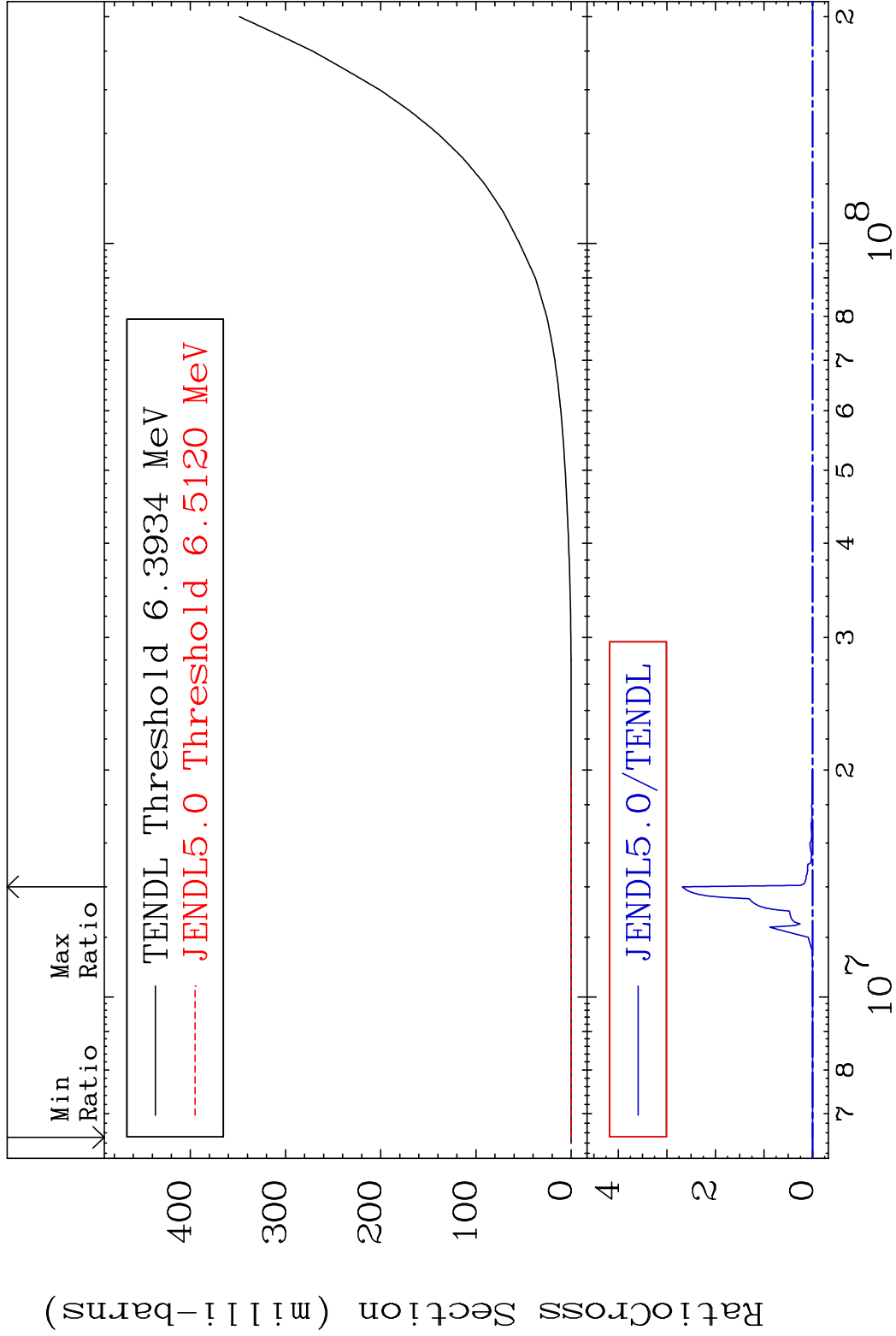




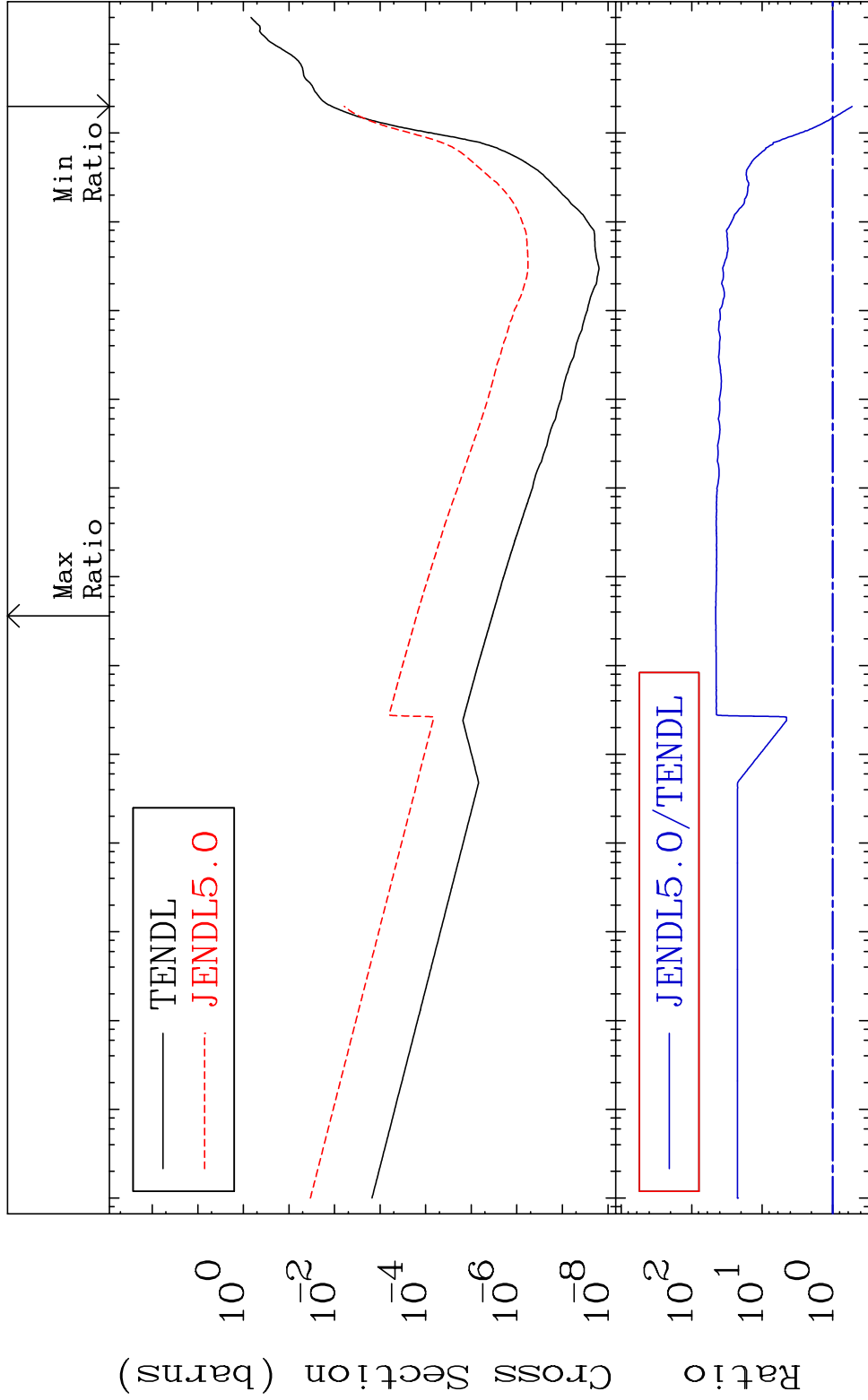








MAT 6640 He-4 Production 66-Dy-161
Cross Section -47.17 To 4475. %



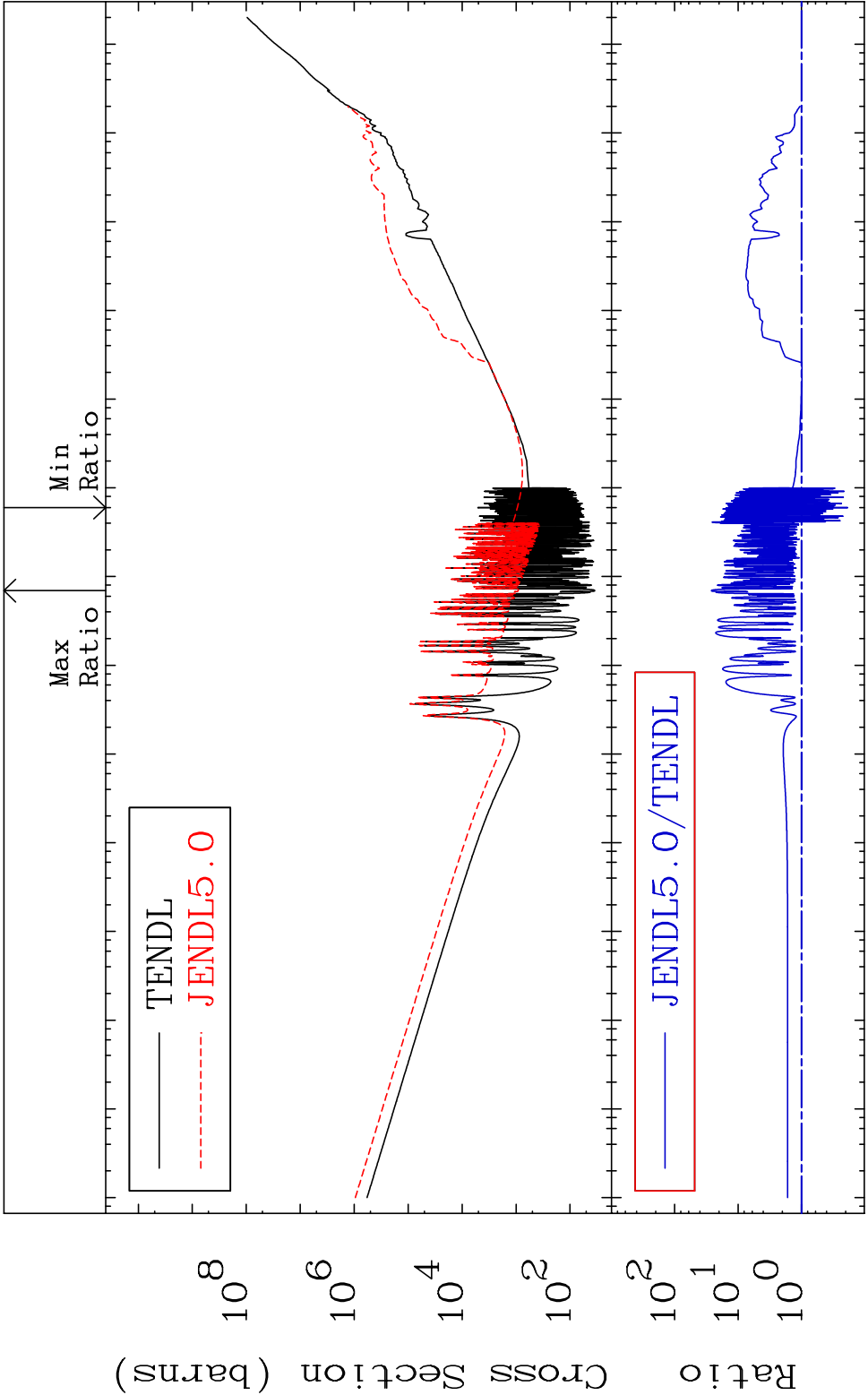
MAT 6640

Kerma total (eV-barns)

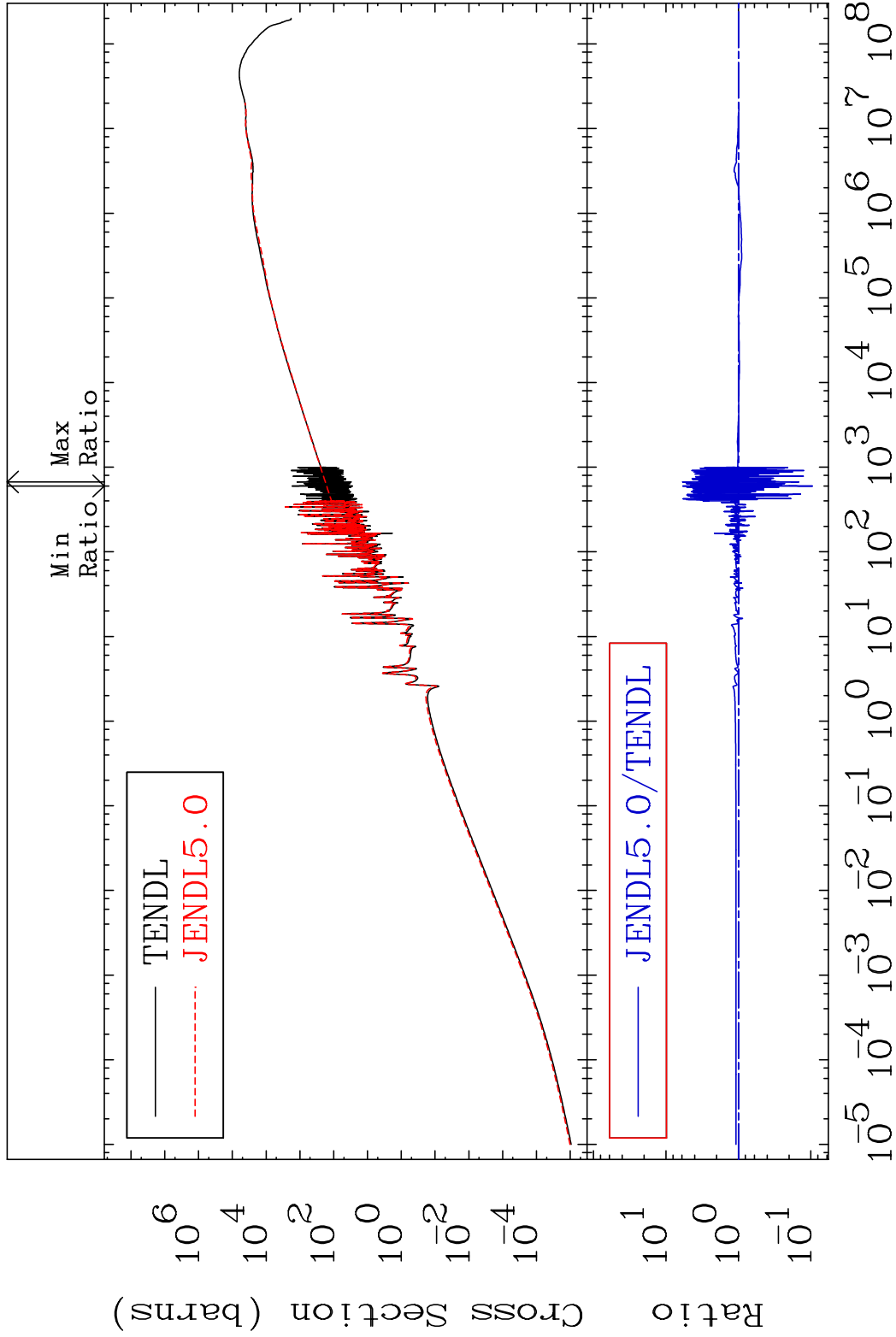
66-Dy-161

Cross Section

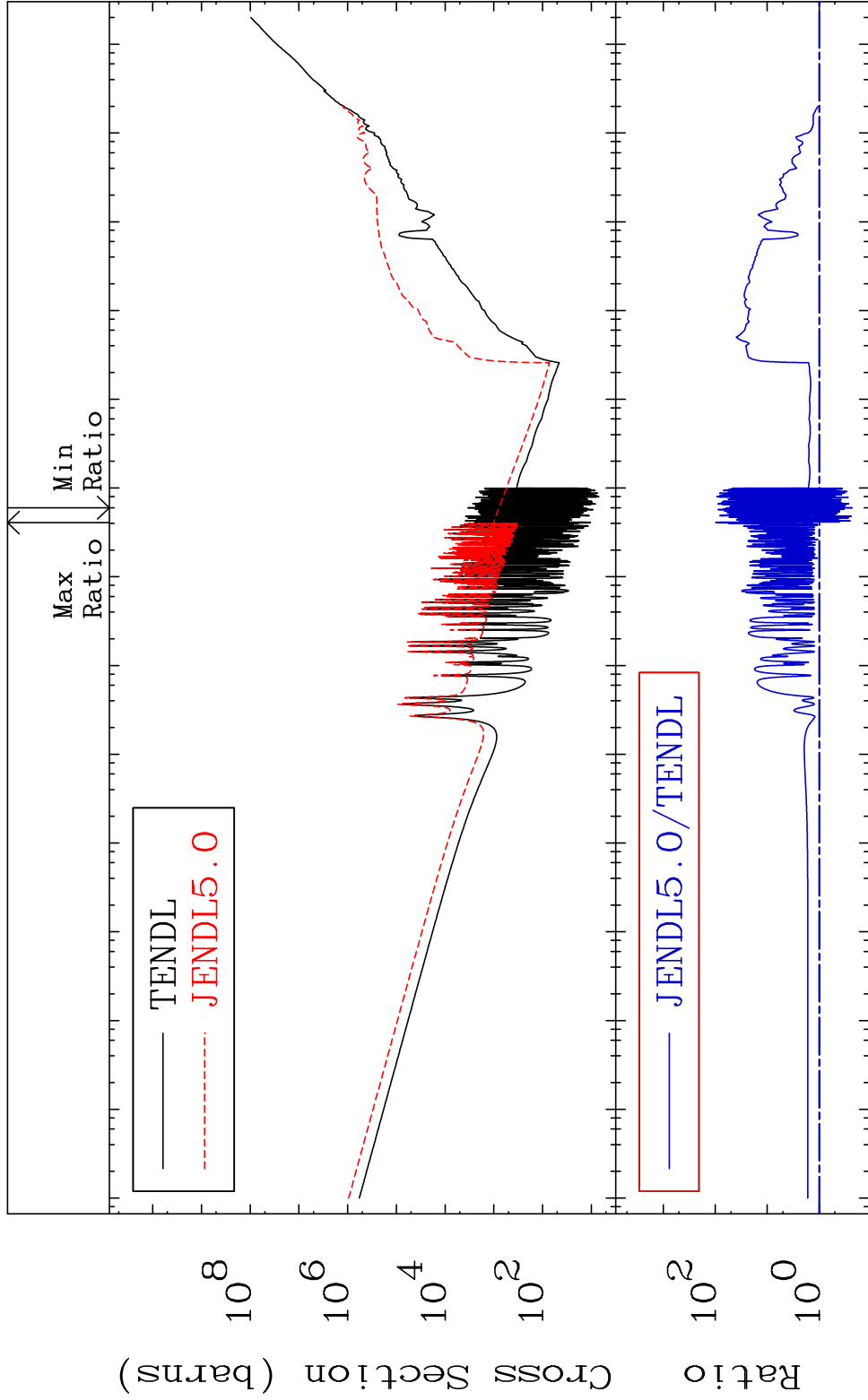
-81.42 To 2541. %



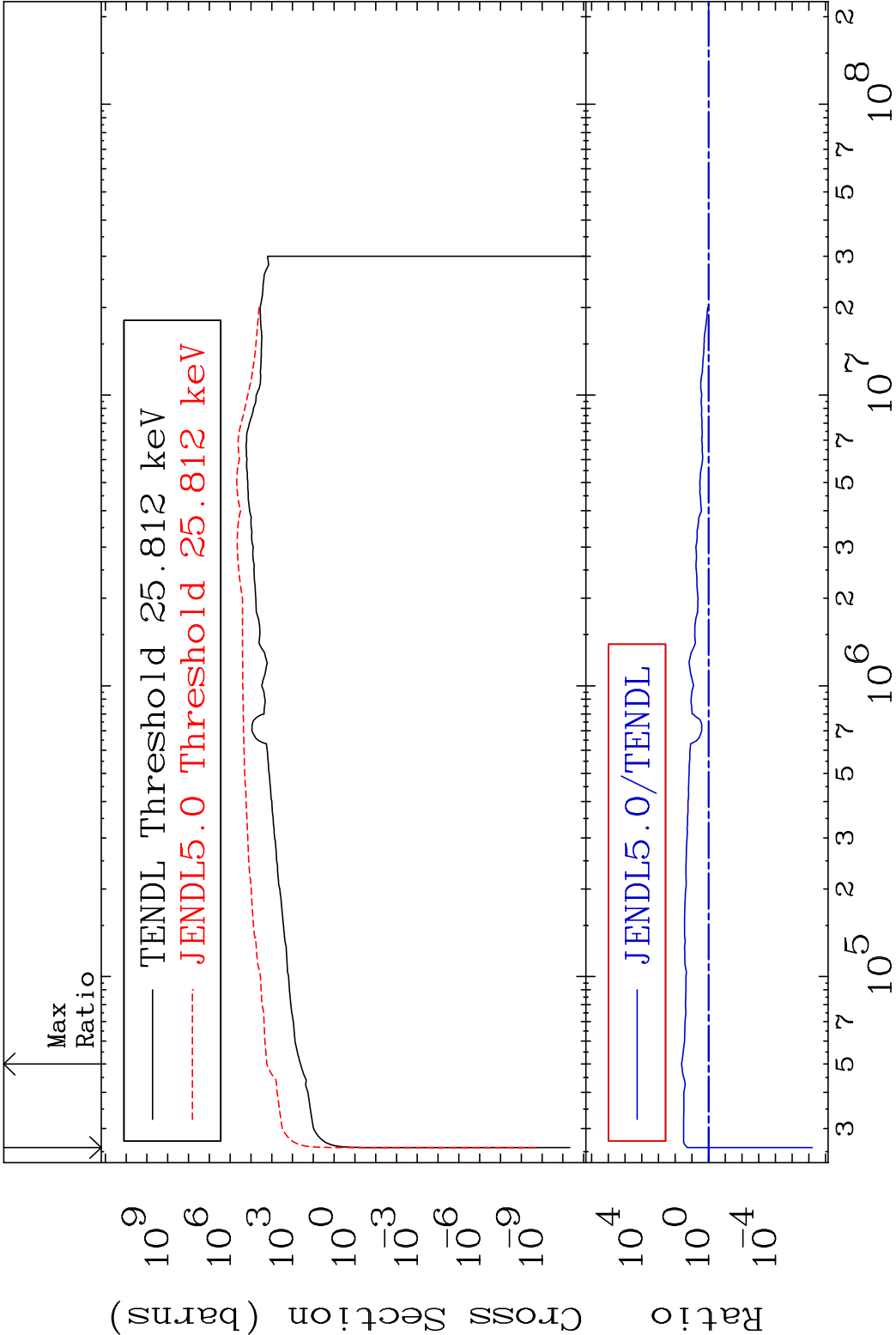
MAT 6640	Kerma elastic	66-Dy-161
	Cross Section	-90.52 To 493.2 %



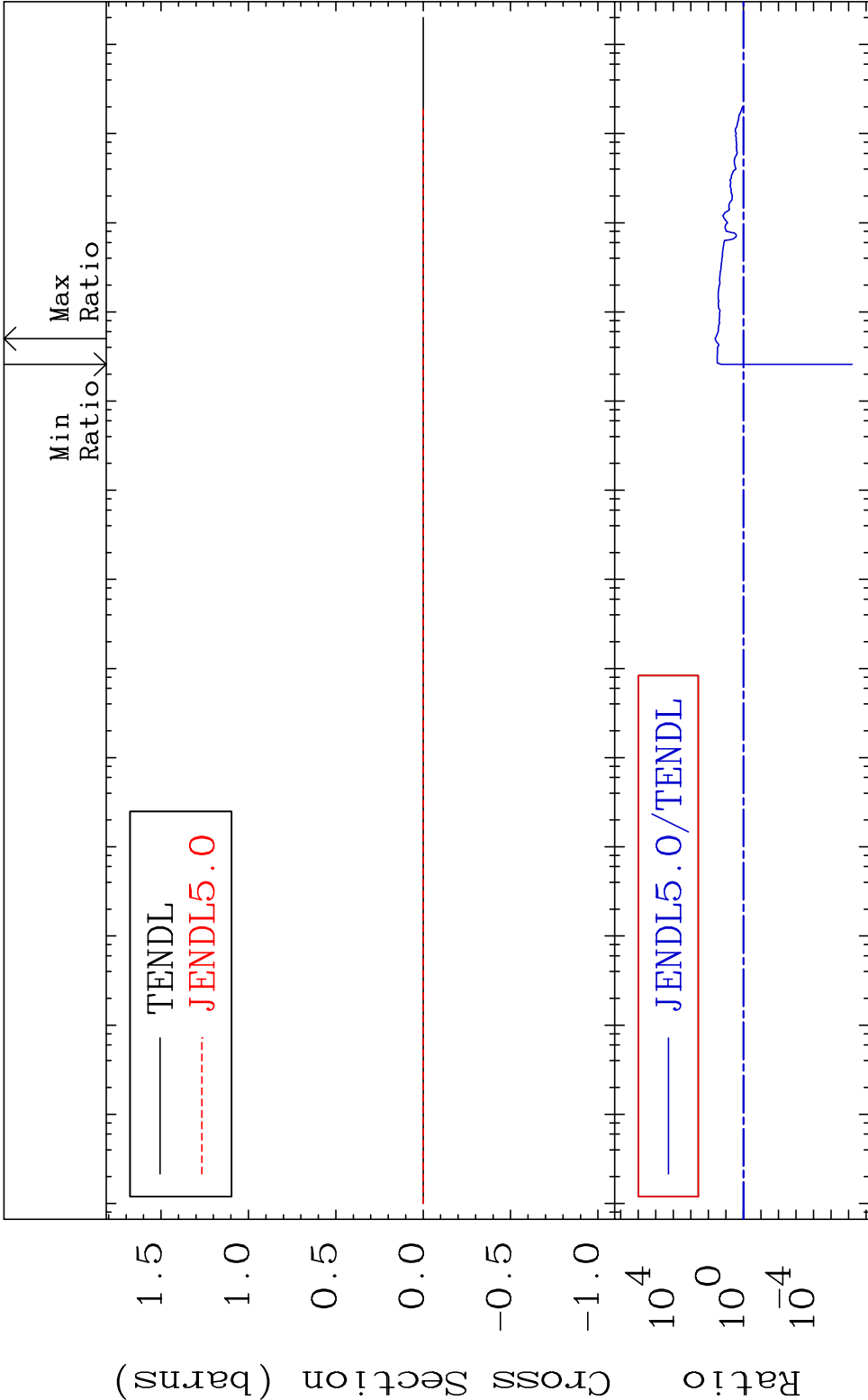
MAT 6640 Kerma non-elastic (all but mt2) 66-Dy-161
 Cross Section -76.88 To 9727. %

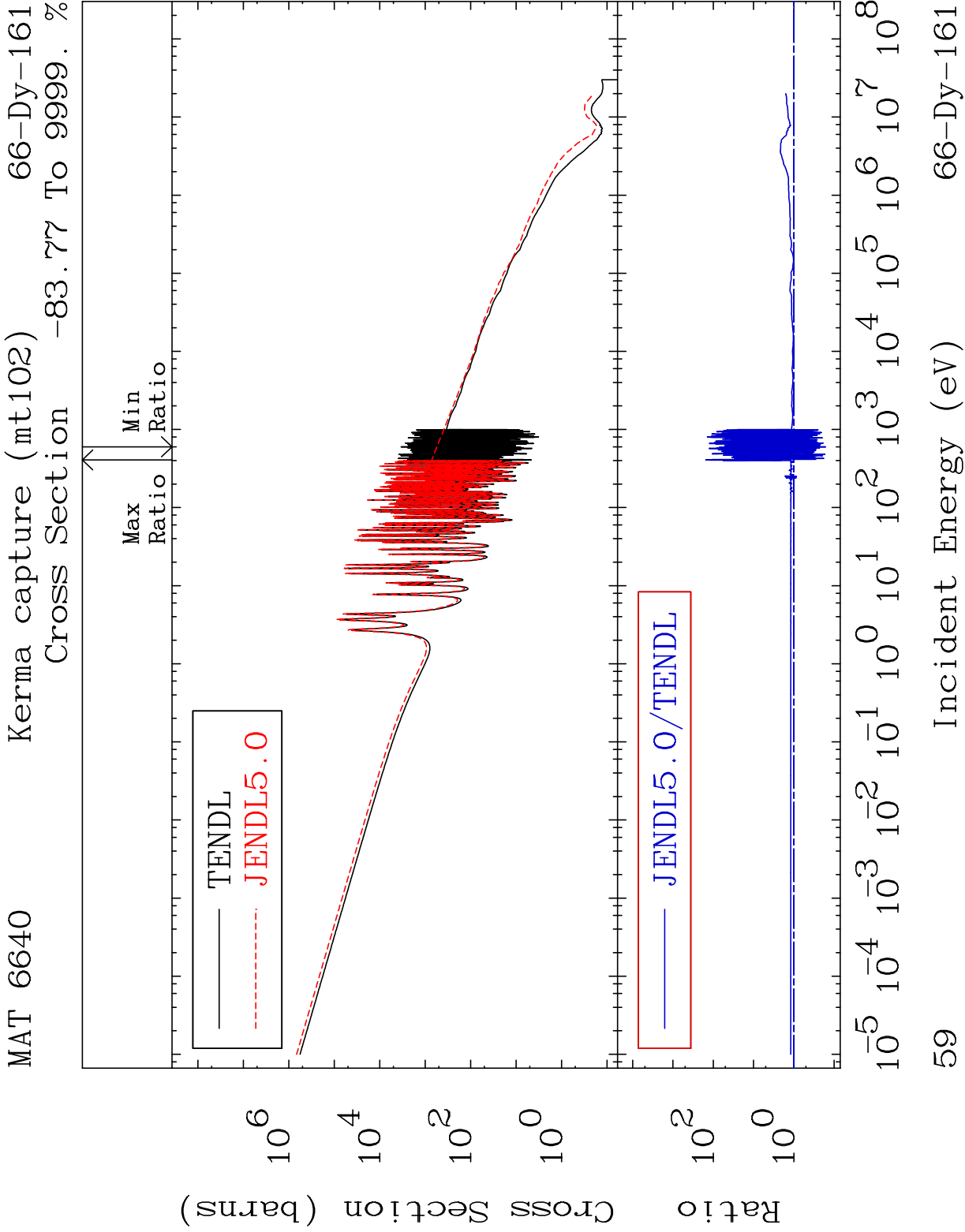


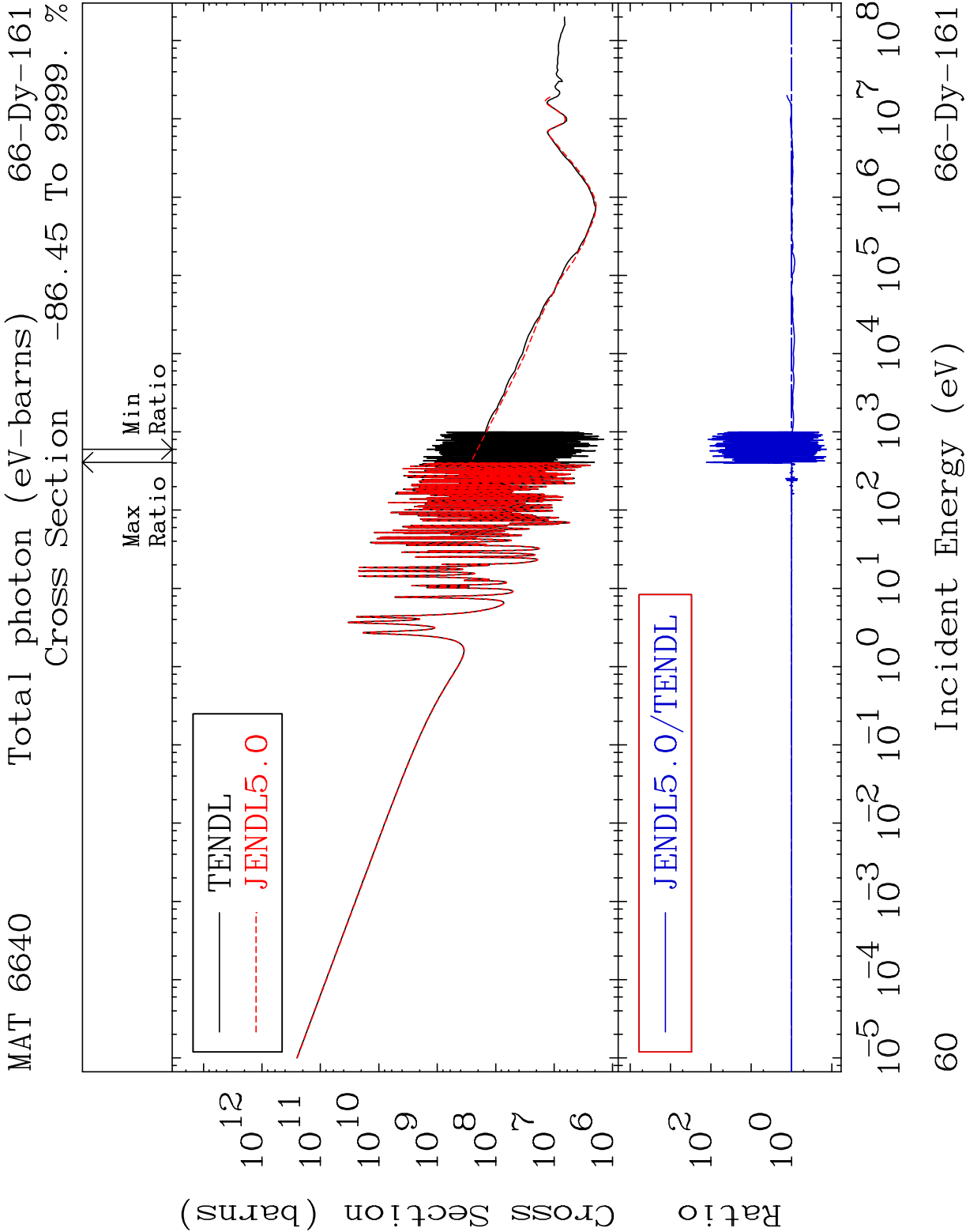
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
 56 Incident Energy (eV) 66-Dy-161



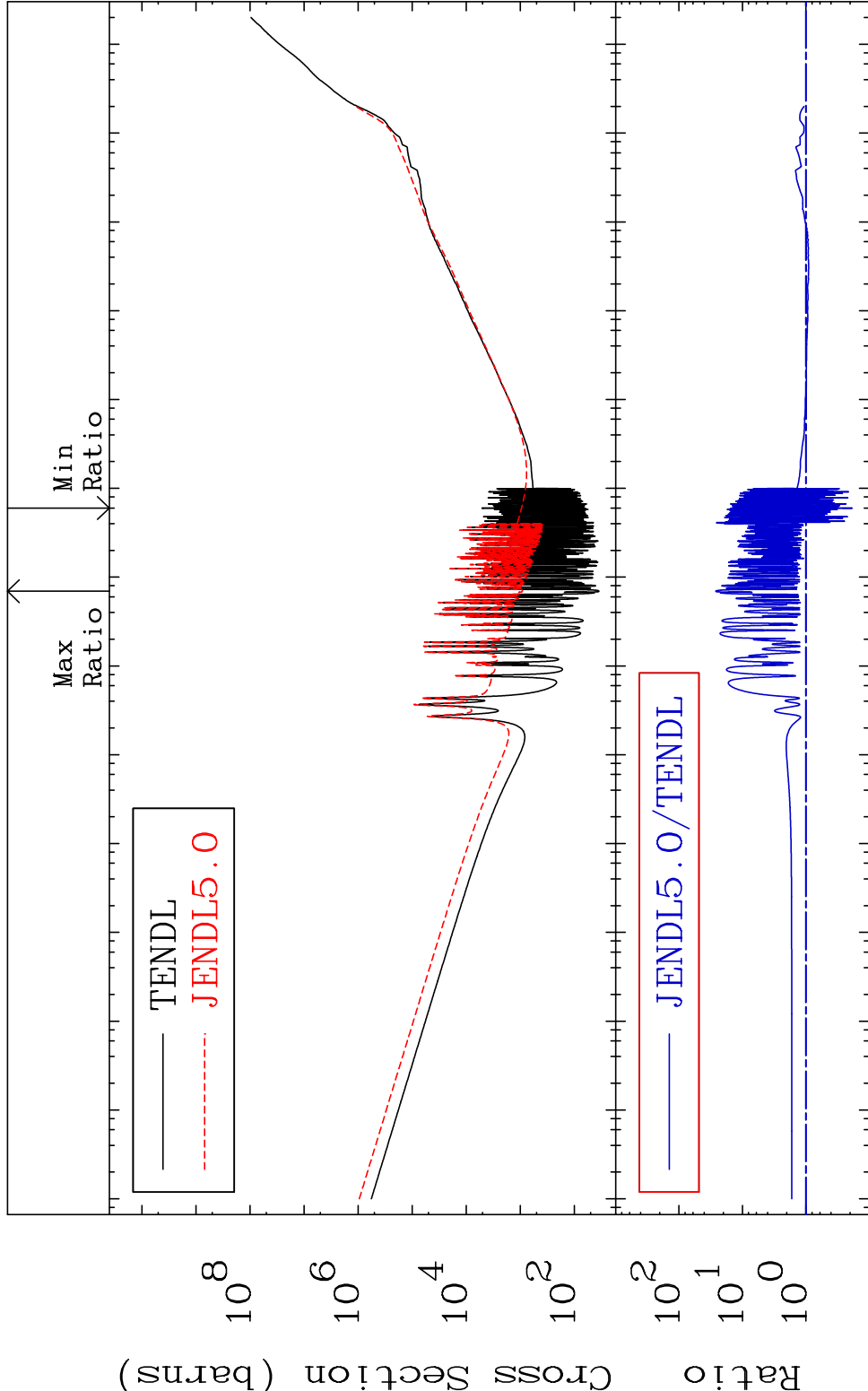
MAT 6640 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-161
Cross Section -100.0 To 4087. %





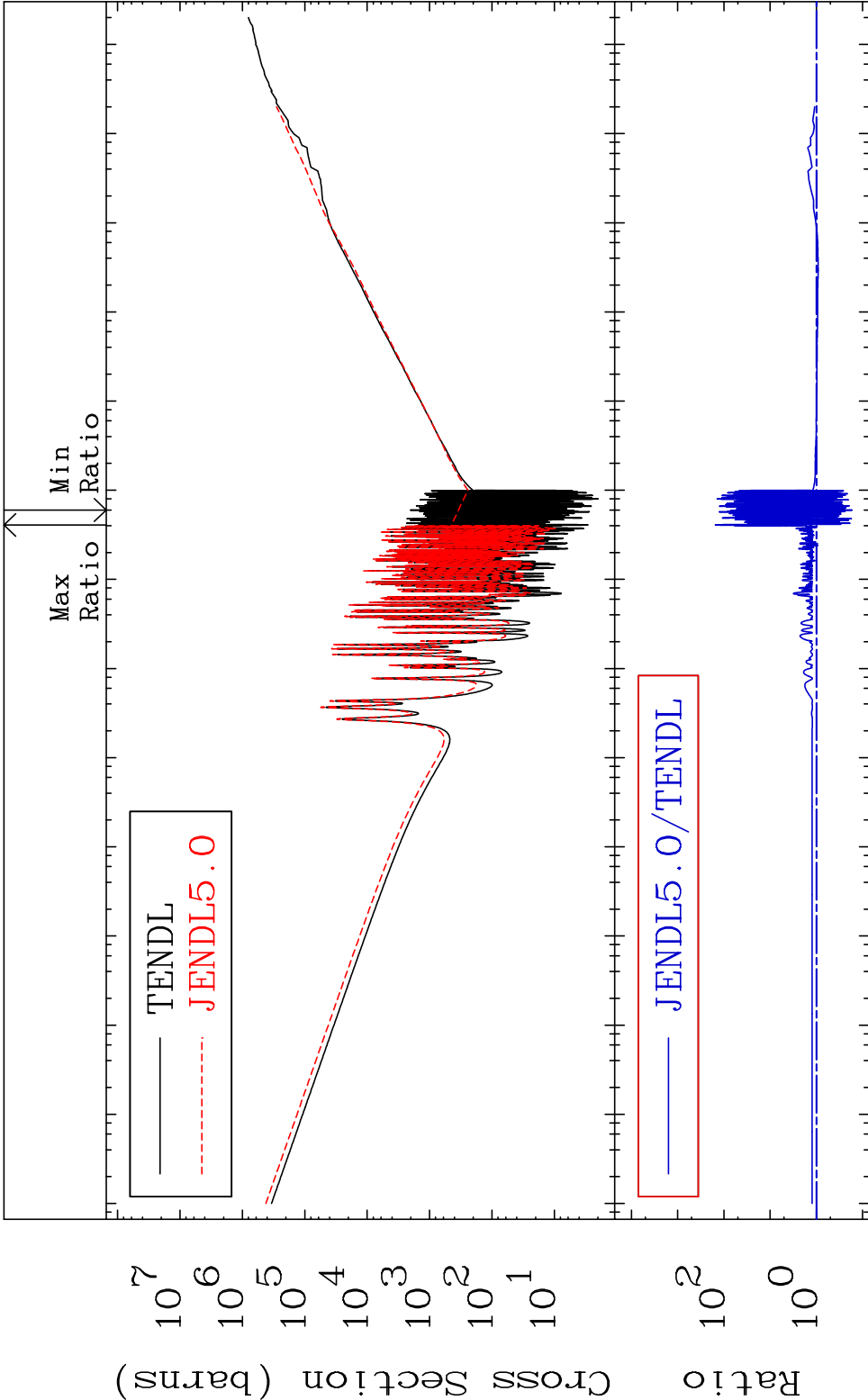


MAT 6640 Total kinematic kerma (high limit) 66-Dy-161
Cross Section -81.42 To 2536. %

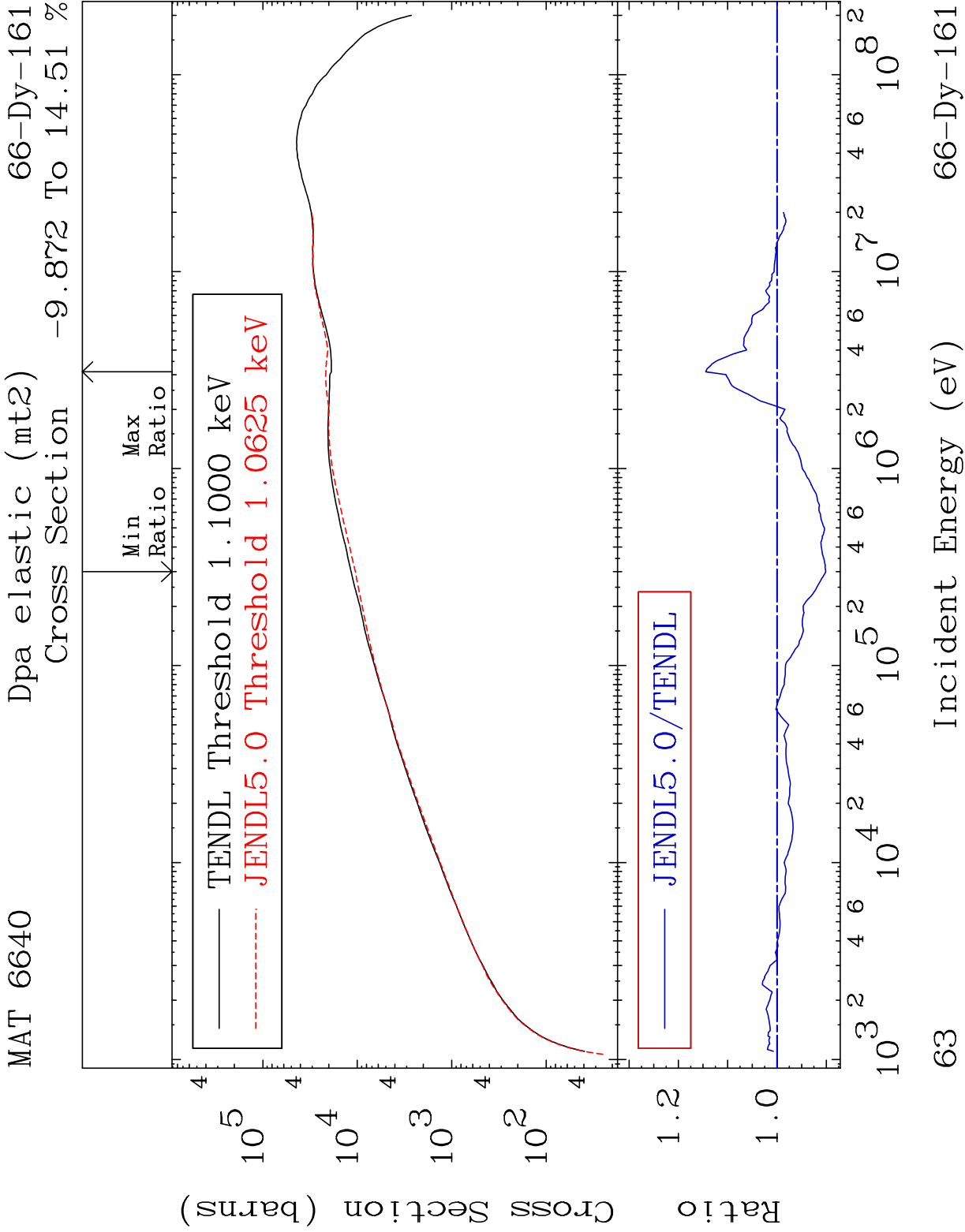


61 Incident Energy (eV) 66-Dy-161

MAT 6640 Dpa total (eV-barns) 66-Dy-161
Cross Section -83.16 To 9999. %



62 Incident Energy (eV) 66-Dy-161



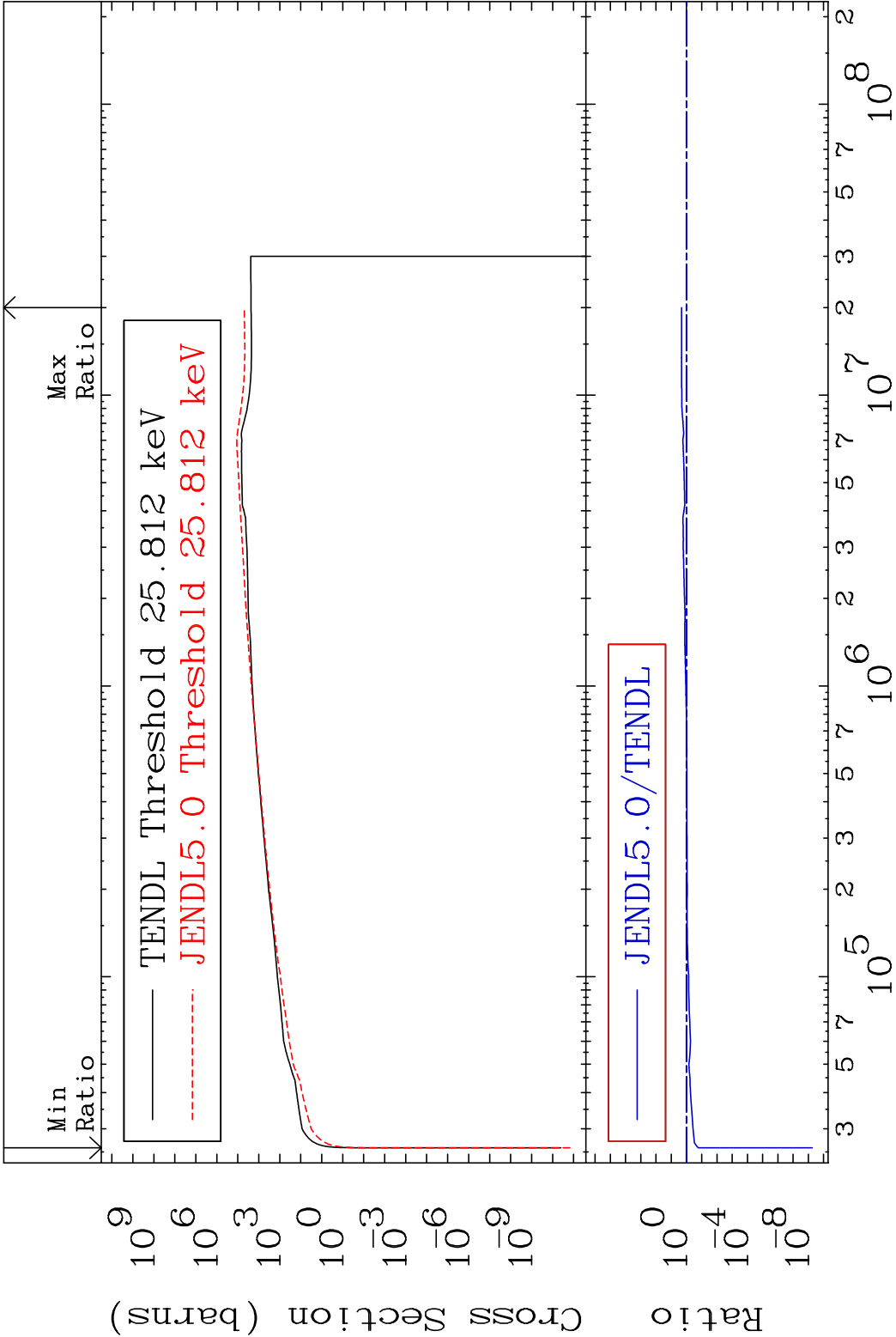
MAT 6640

Dpa inelastic (mt51-91)

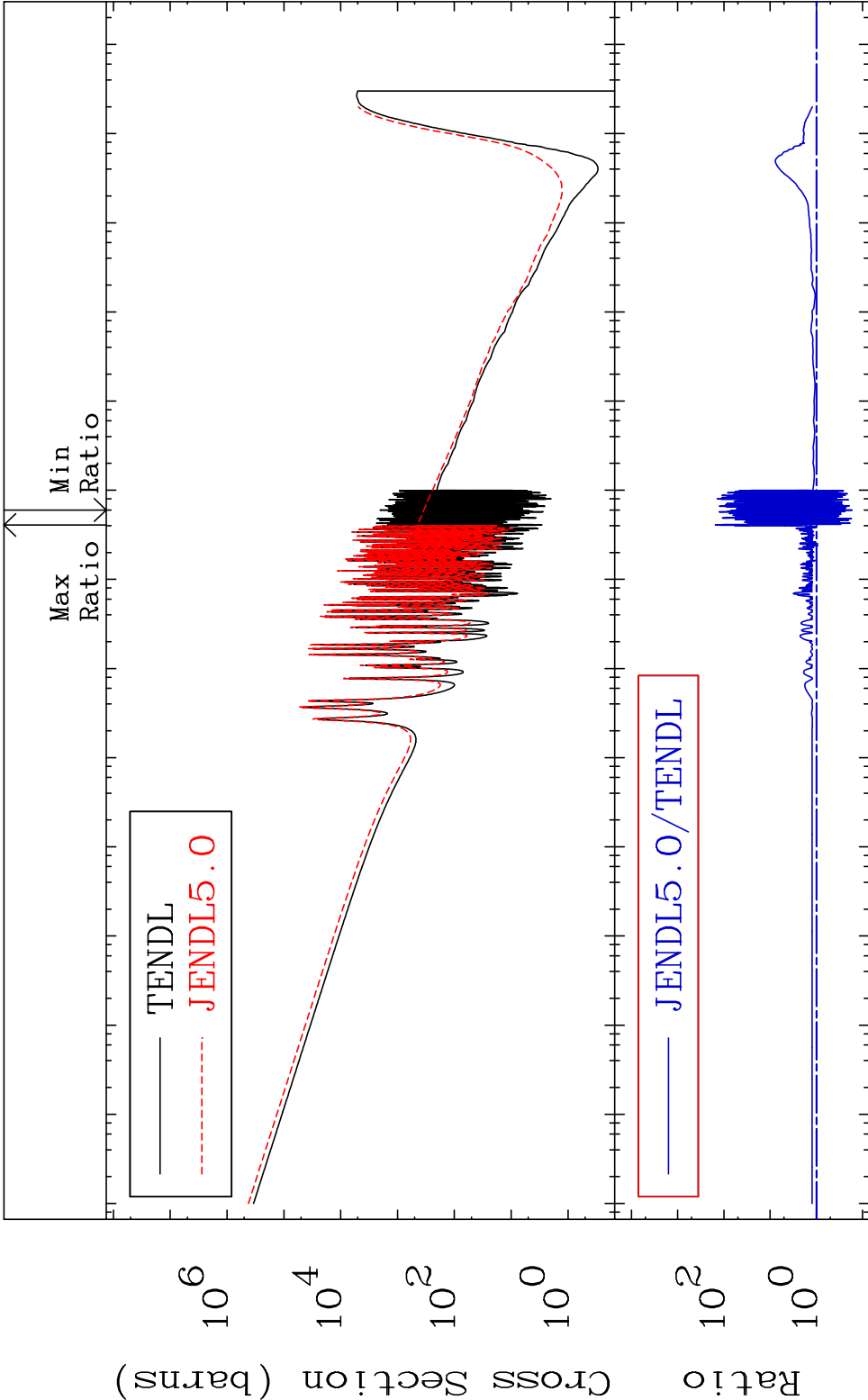
66-Dy-161

Cross Section

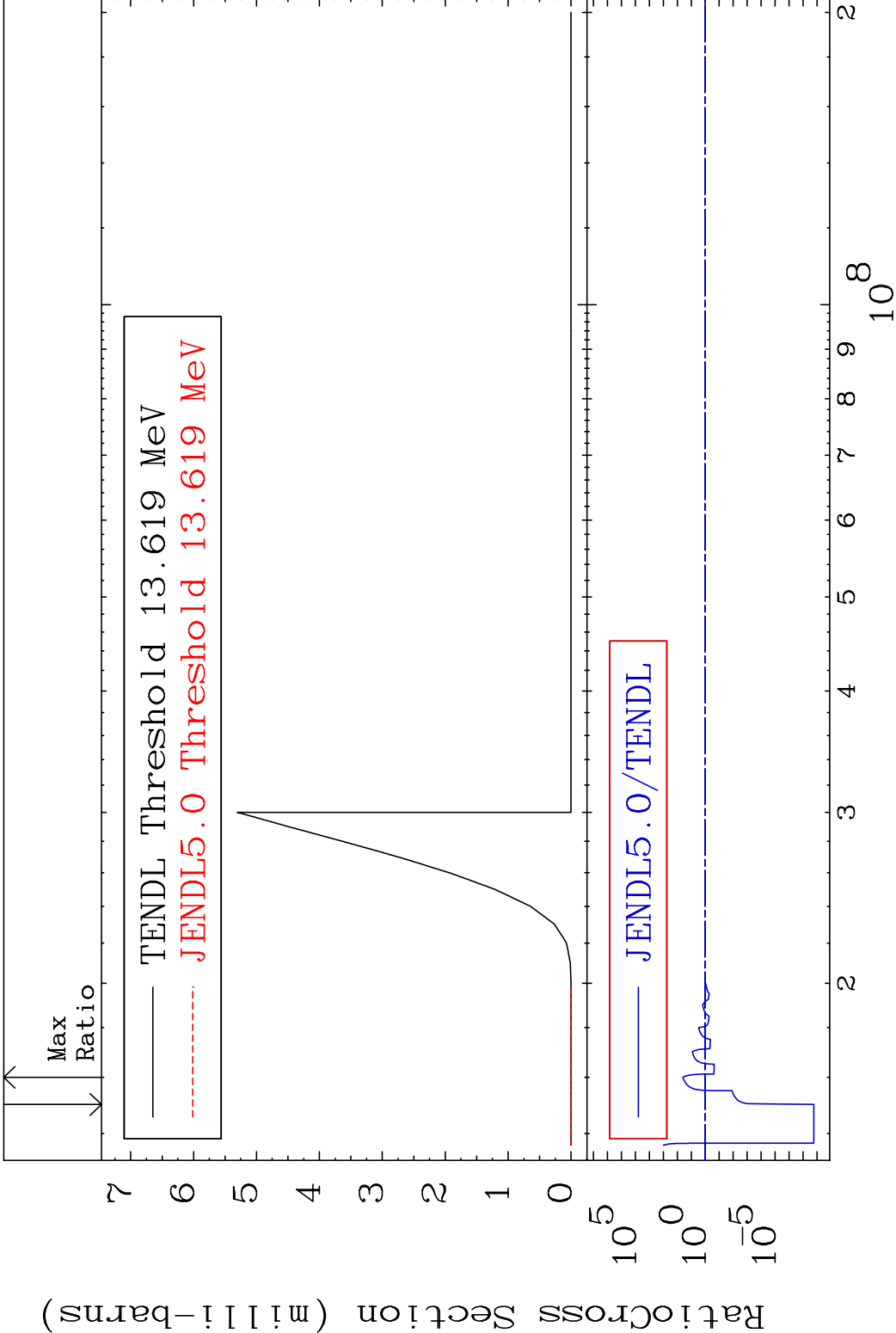
-100.0 To 110.9 %

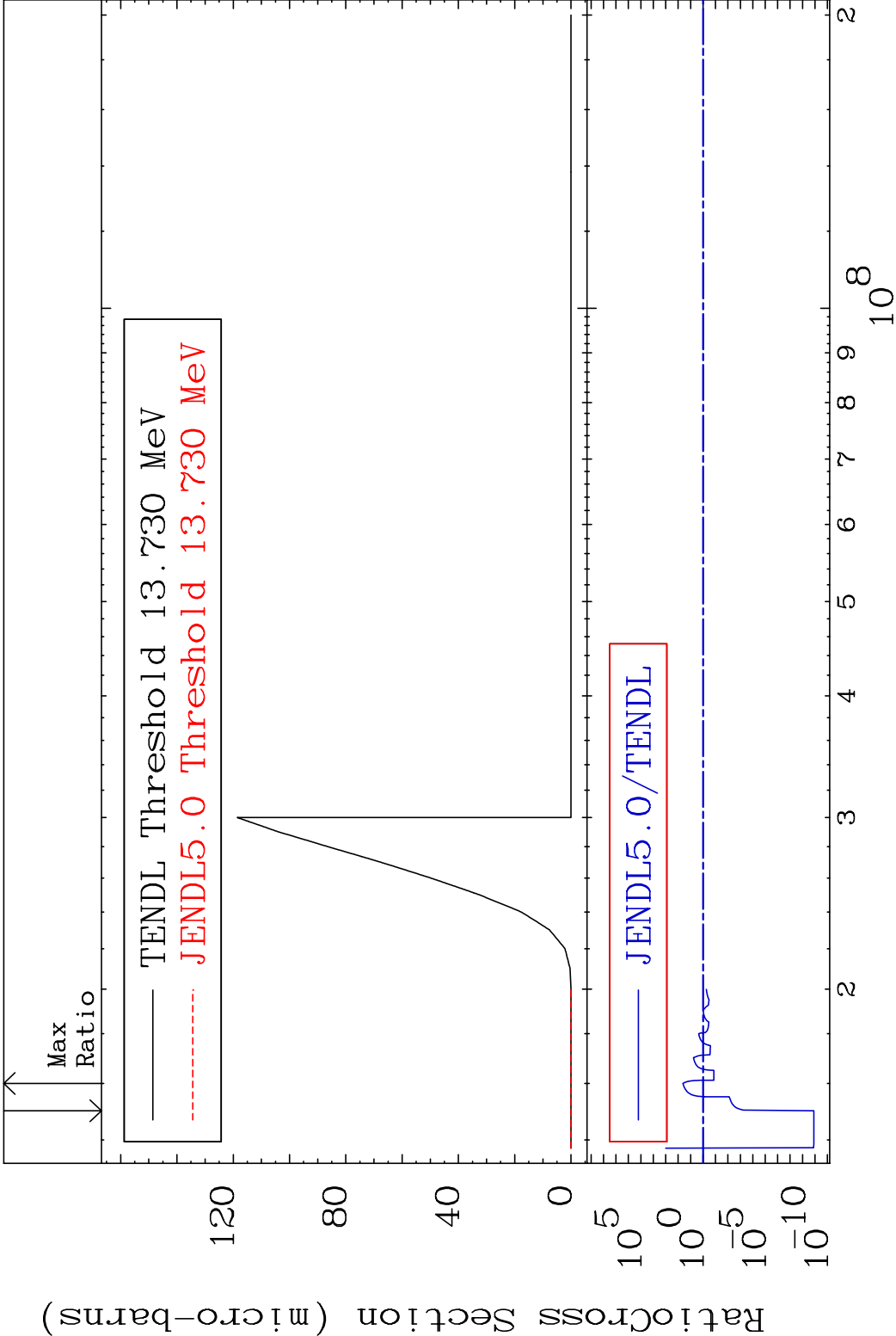


MAT 6640 Dpa disappearance (mt102 -120) 66-Dy-161
 Cross Section -83.16 To 9999. %

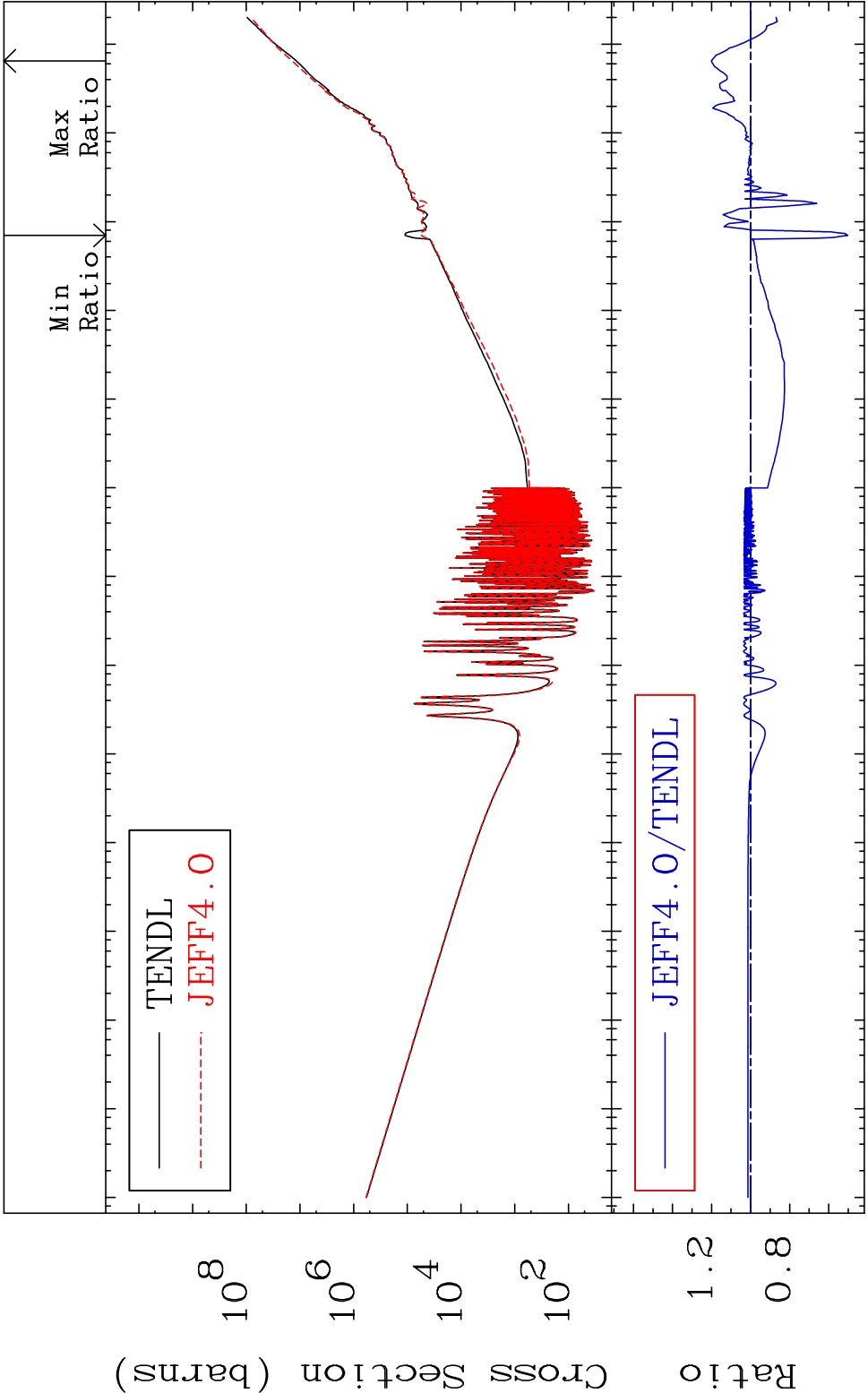


10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
 65 Incident Energy (eV) 66-Dy-161

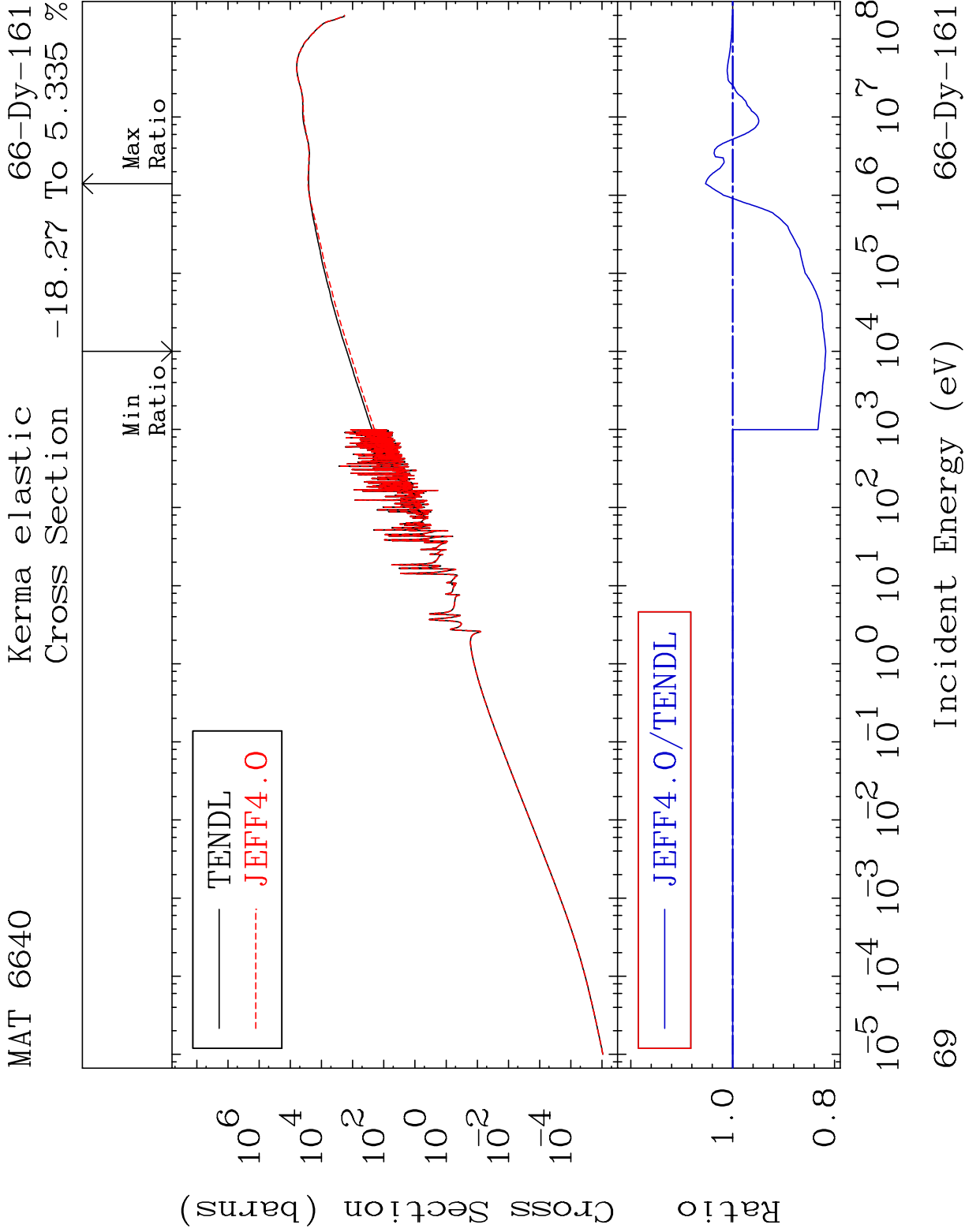




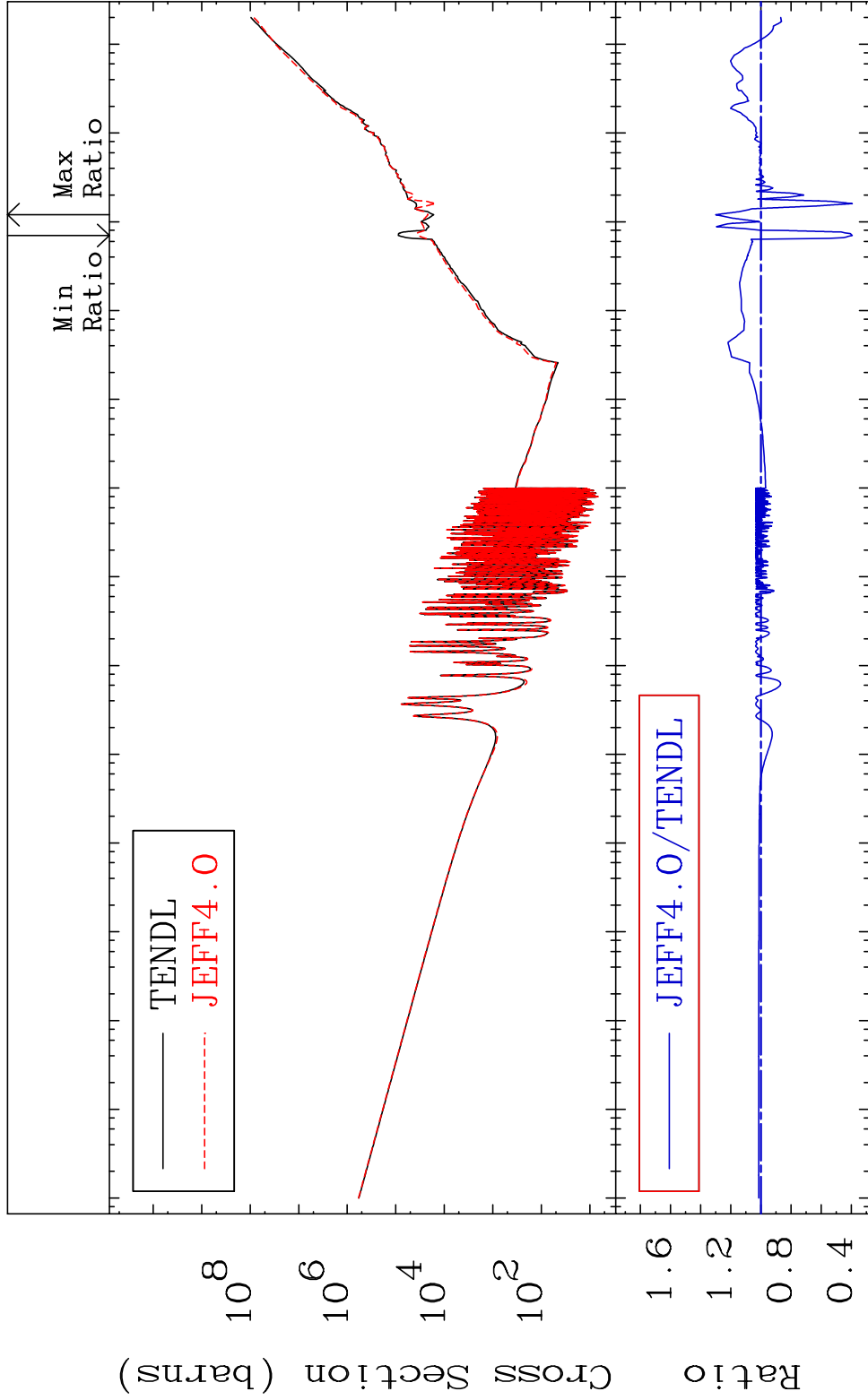
MAT 6640 Kerma total (eV-barns) 66-Dy-161
Cross Section -49.78 To 20.11 %



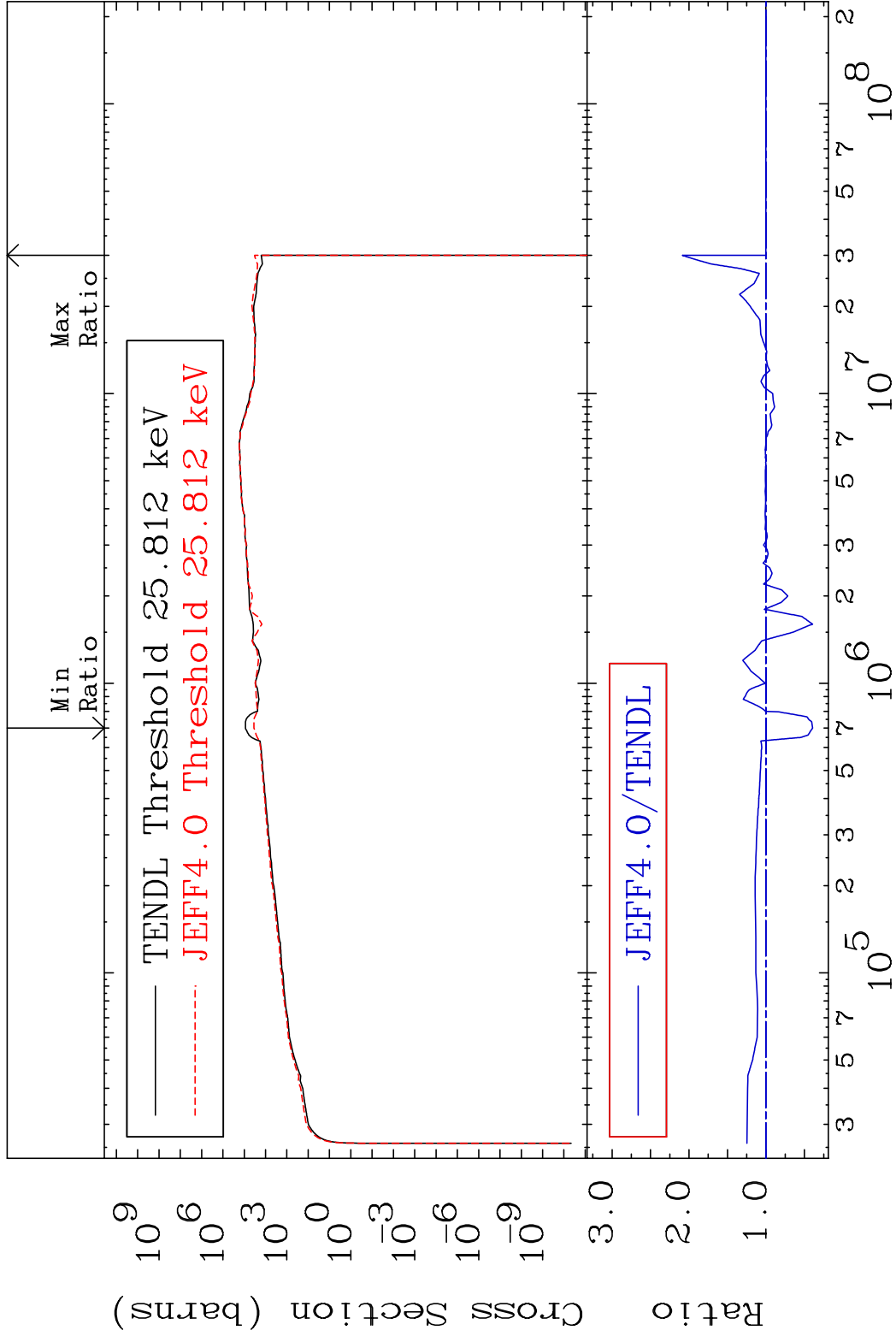
68 Incident Energy (eV) 66-Dy-161



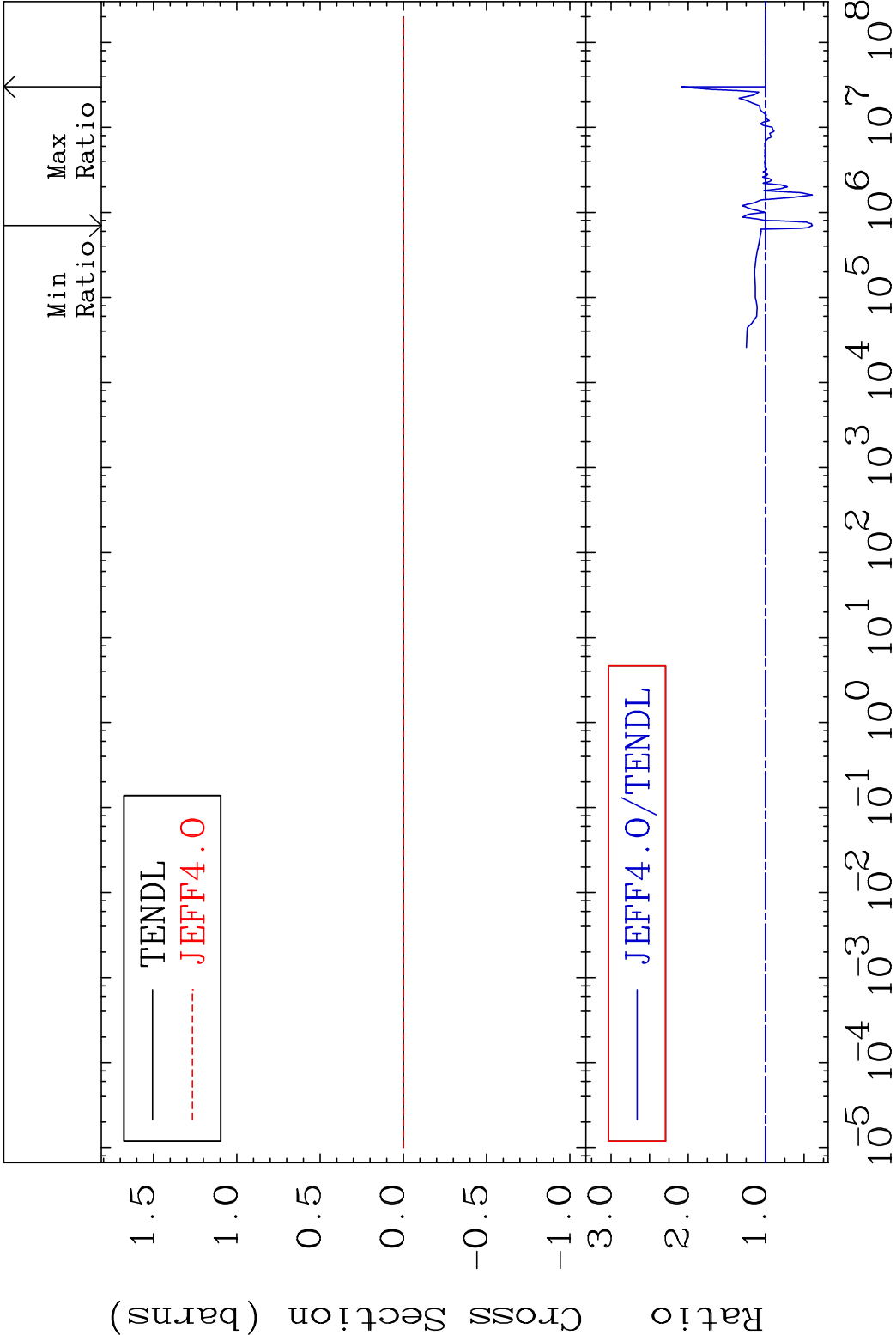
MAT 6640 Kerma non-elastic (all but mt2) 66-Dy-161
Cross Section -60.54 To 30.05 %

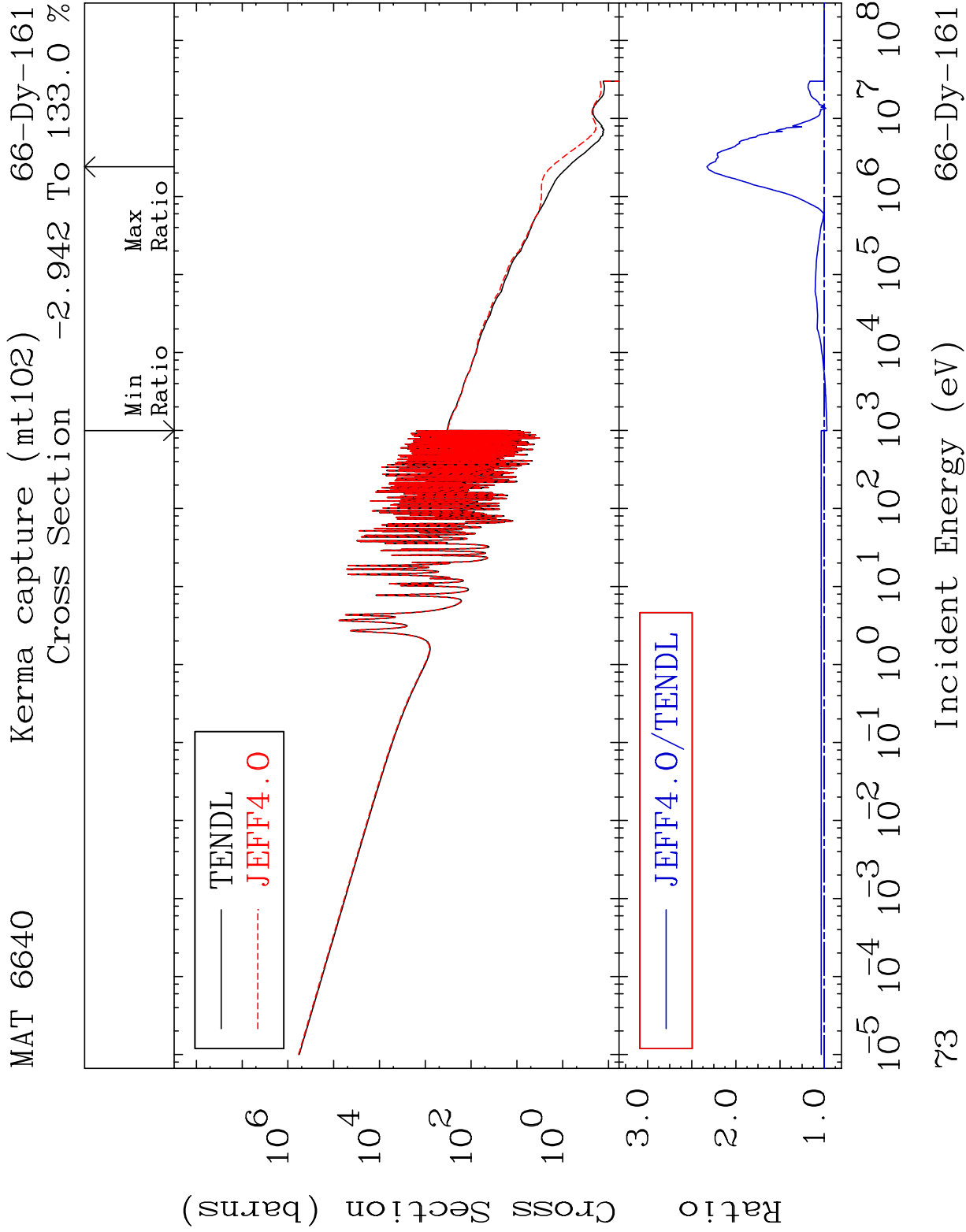


70 Incident Energy (eV) 66-Dy-161

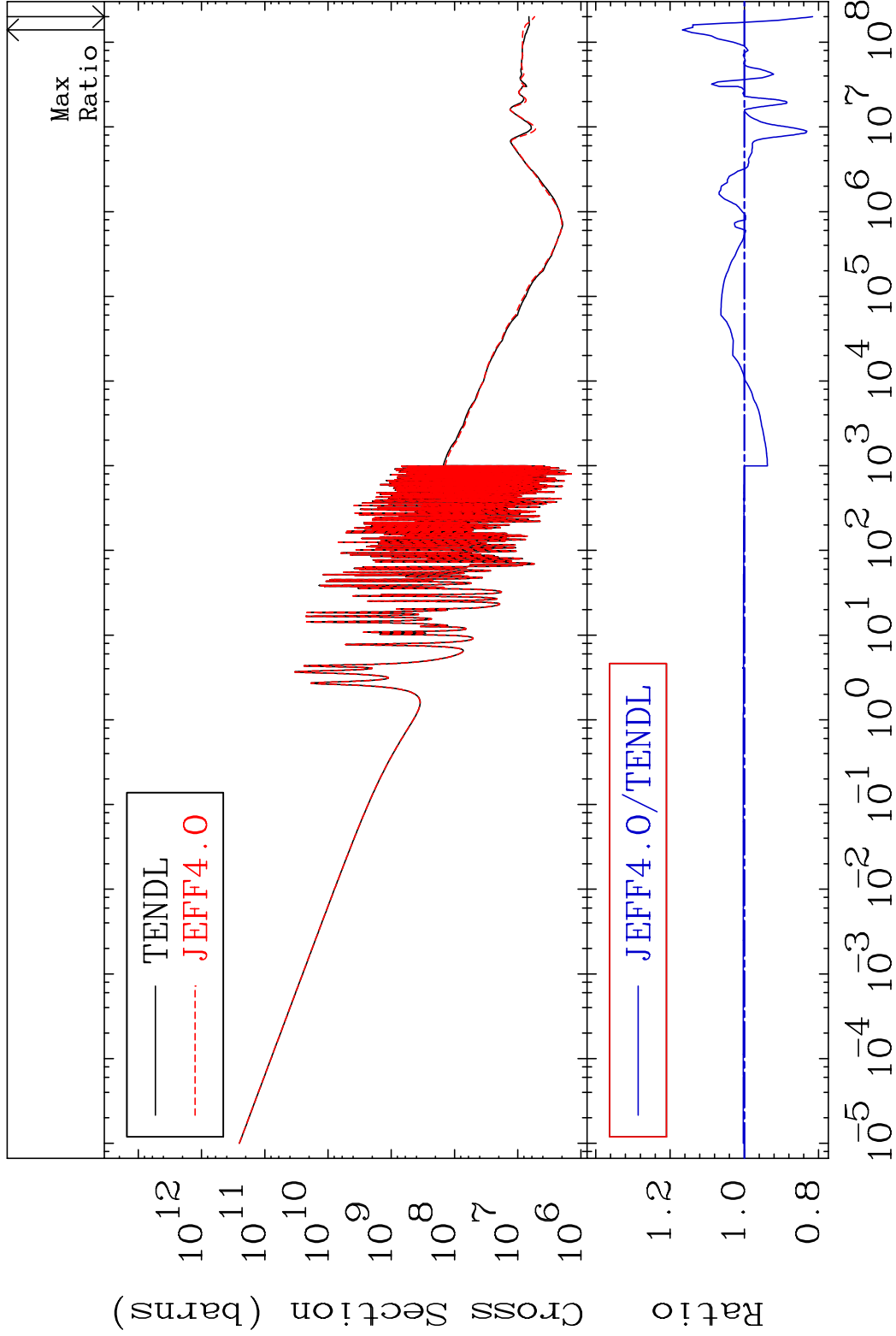


MAT 6640 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-161
Cross Section -60.54 To 108.6 %

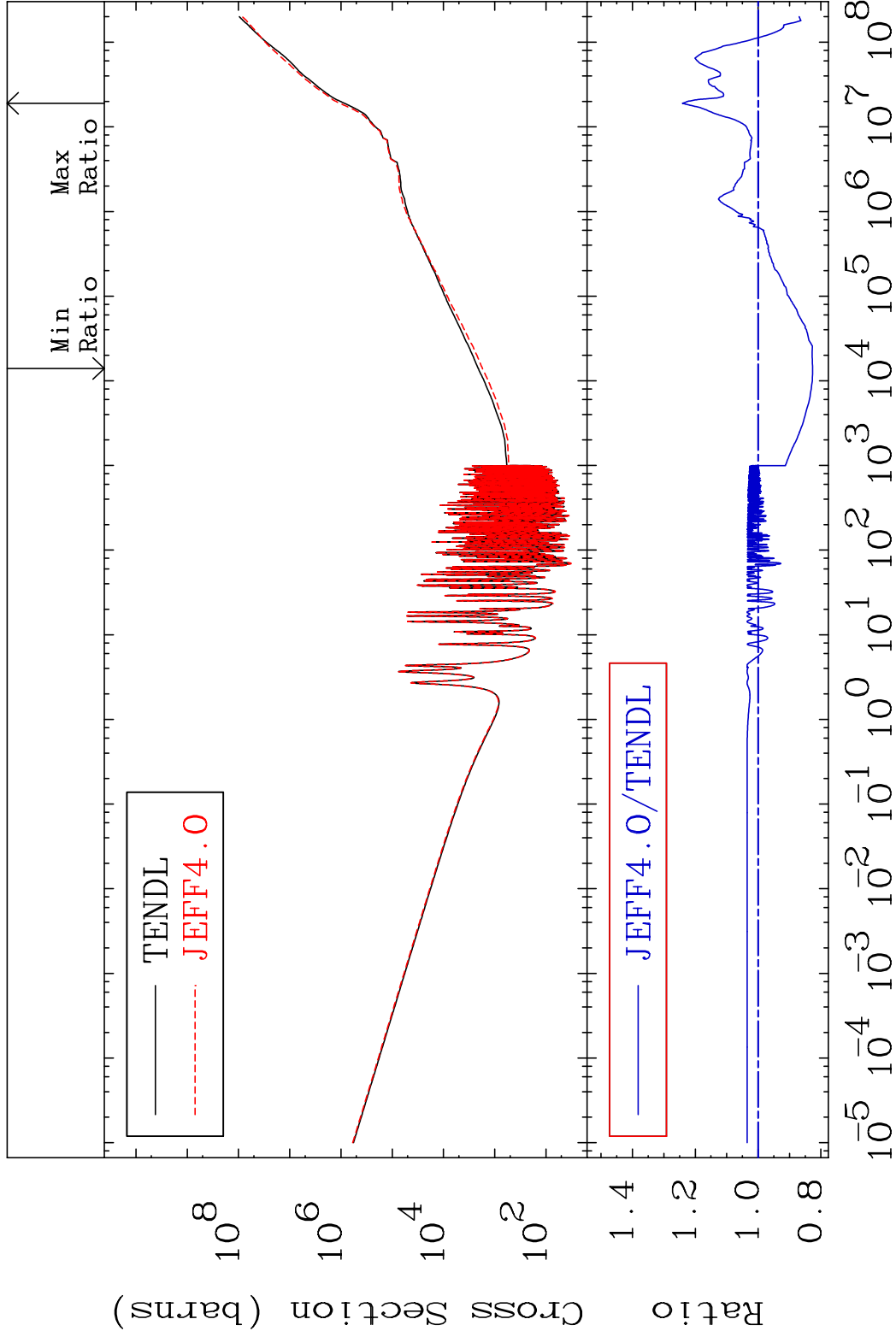




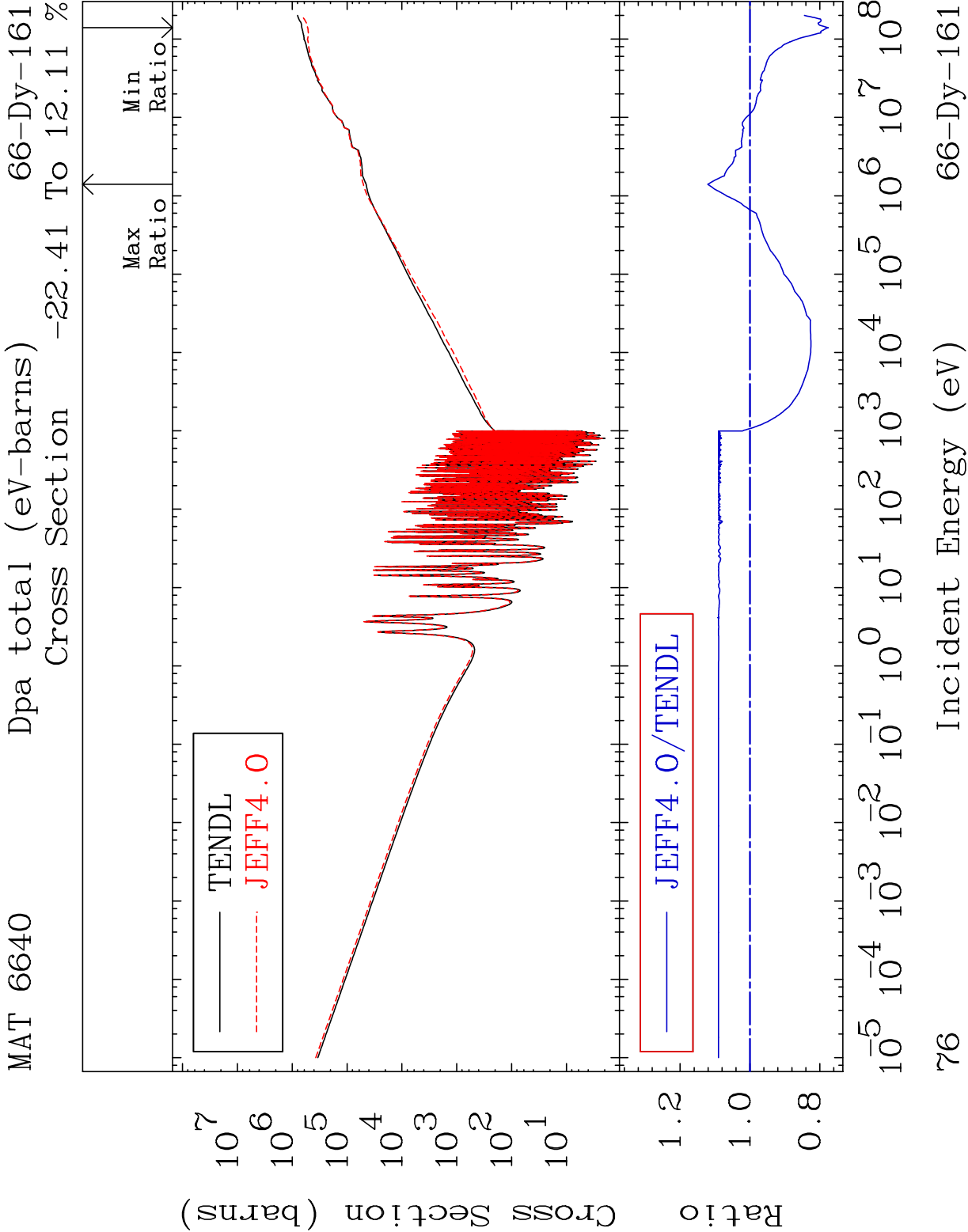
MAT 6640 Total photon (eV-barns) 66-Dy-161
Cross Section -18.37 To 16.68 %

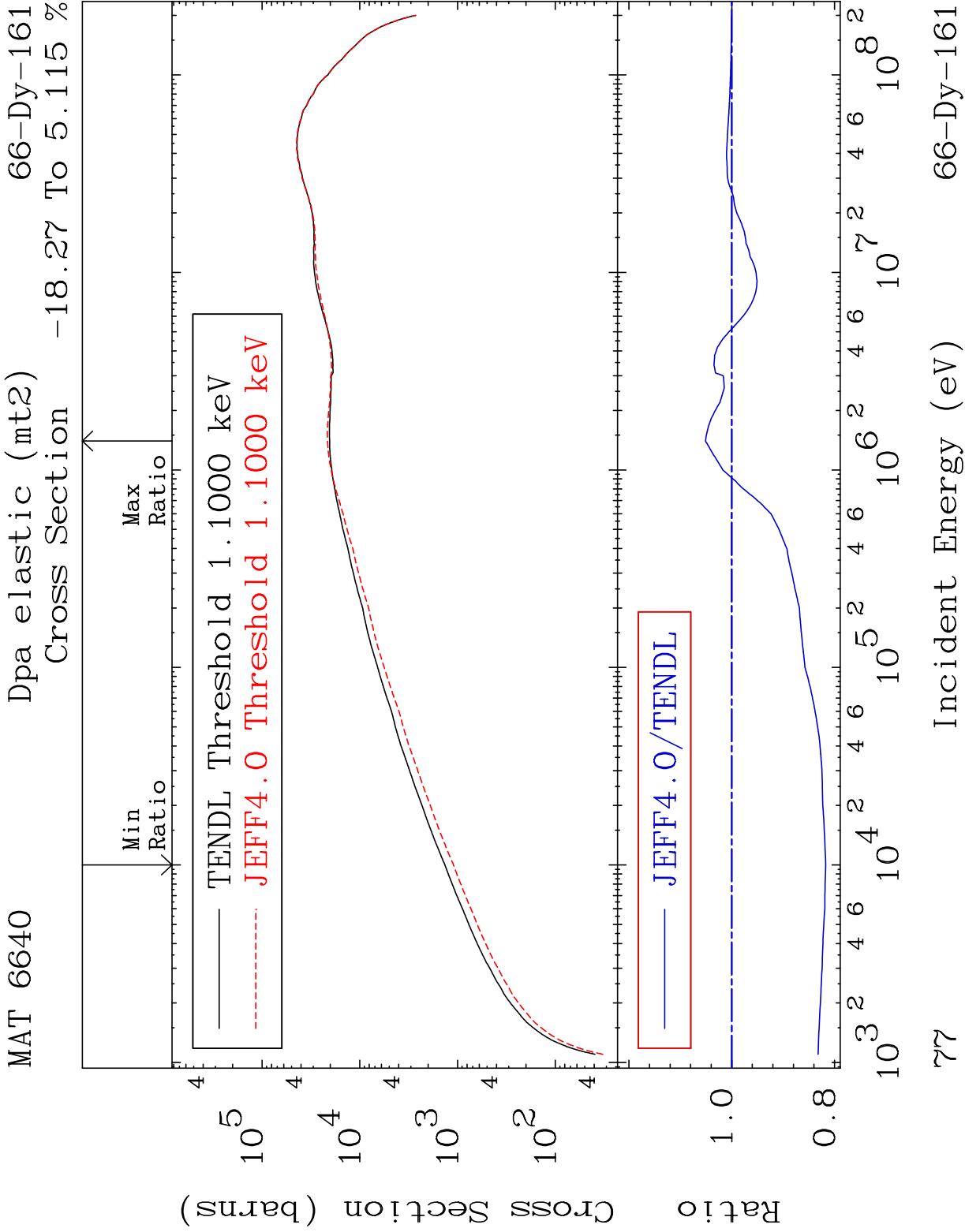


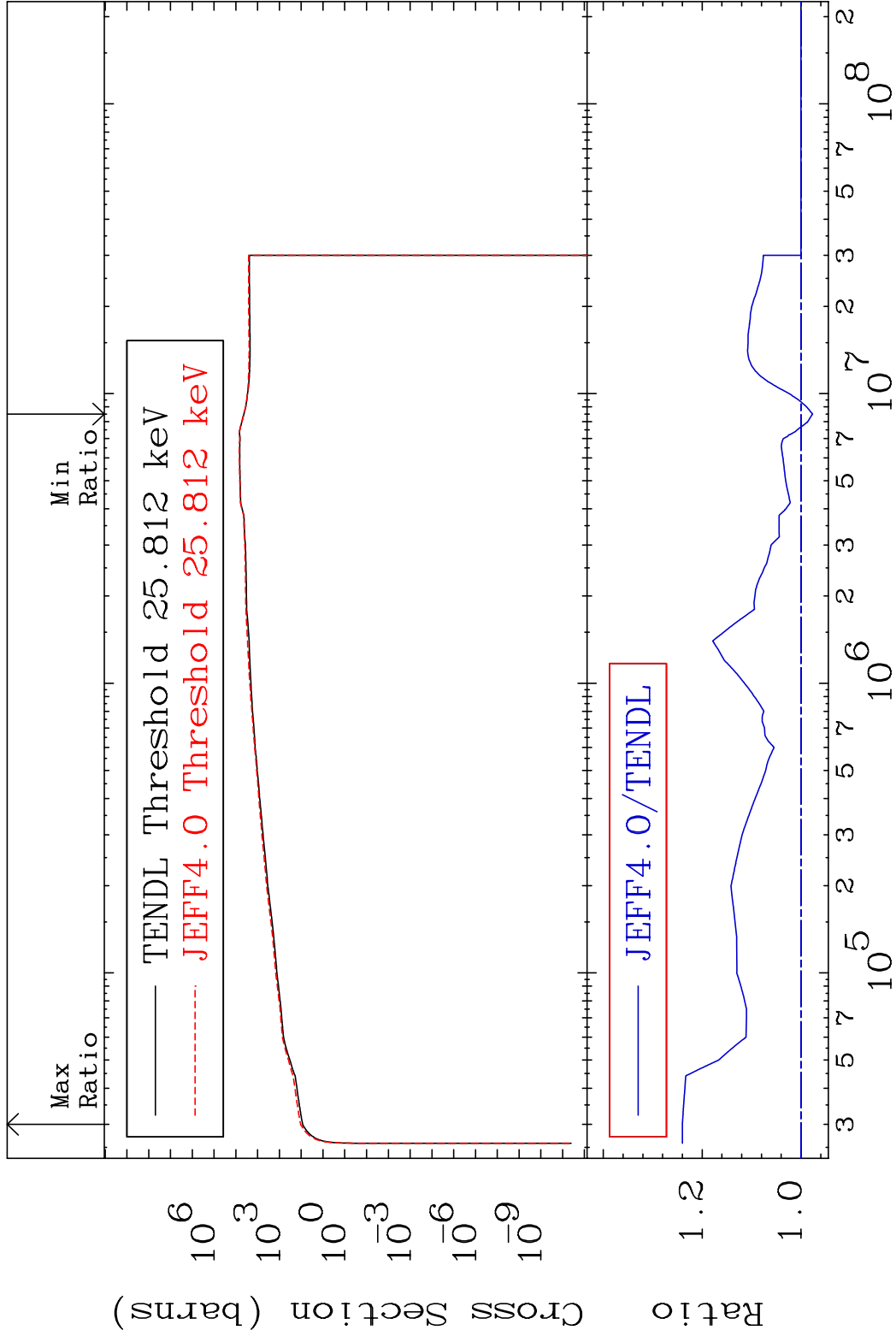
MAT 6640 Total kinematic kerma (high limit) 66-Dy-161
Cross Section -17.34 To 24.12 %



75 Incident Energy (eV) 66-Dy-161

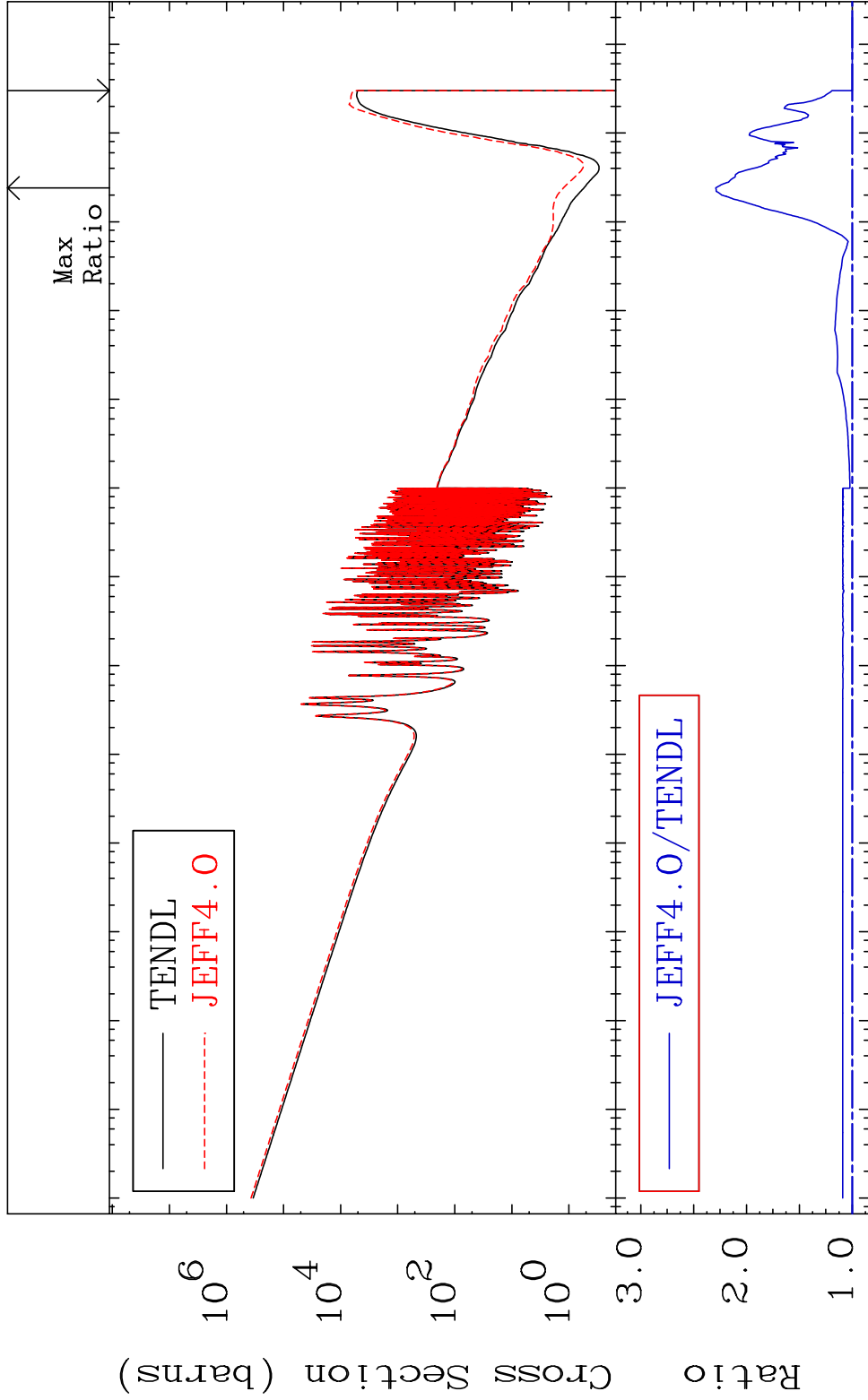






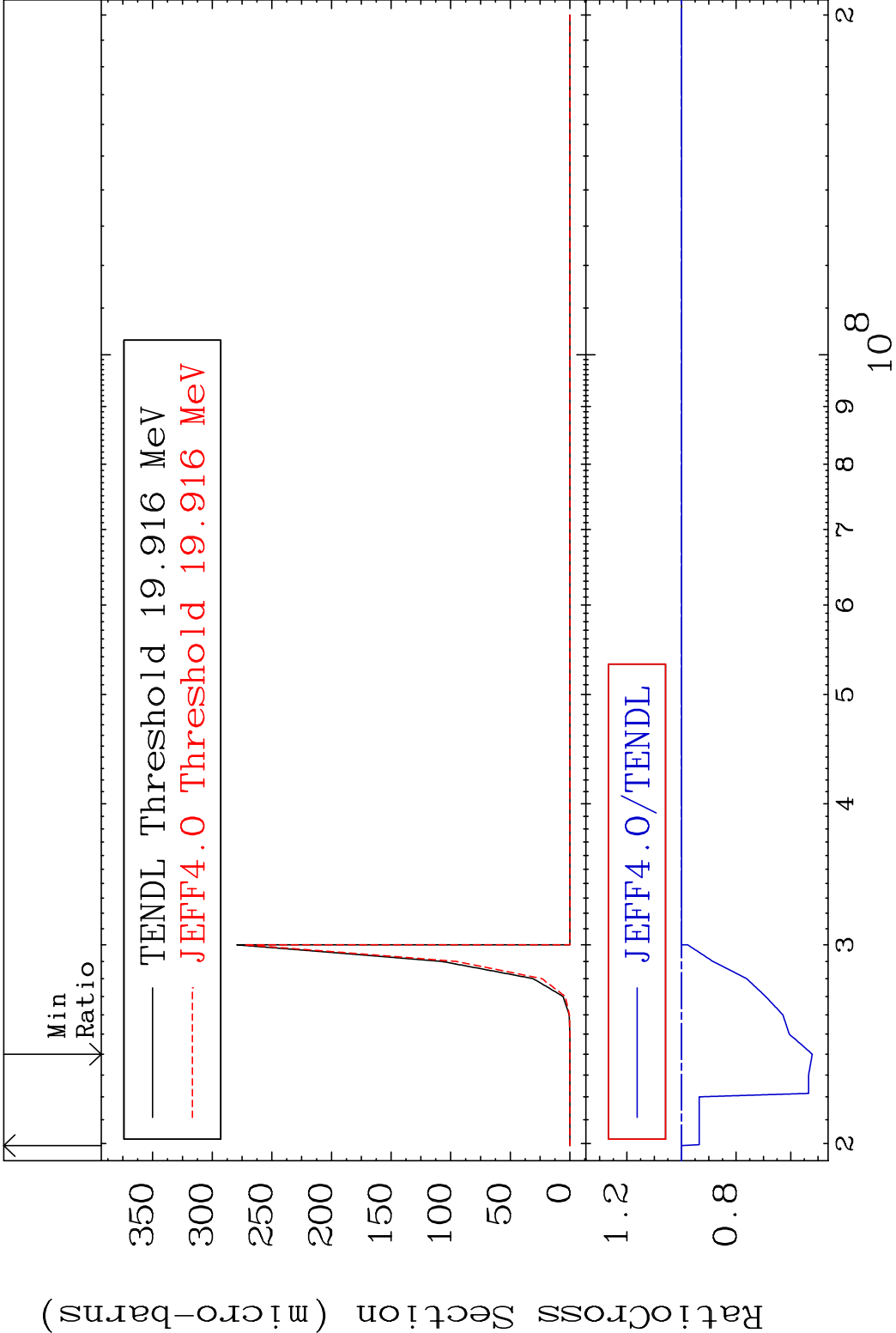
MAT 6640 Dpa disappearance (mt102 -120) 66-Dy-161

Cross Section 0.000 To 129.1 %



10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

79 Incident Energy (eV) 66-Dy-161



MAT	6640	(n,2n) d:65-Tb-158m3	66-Dy-161
		Radionuclide Production Cross-Section	265.3 %

