

Program Complot
(Version 2021-1)

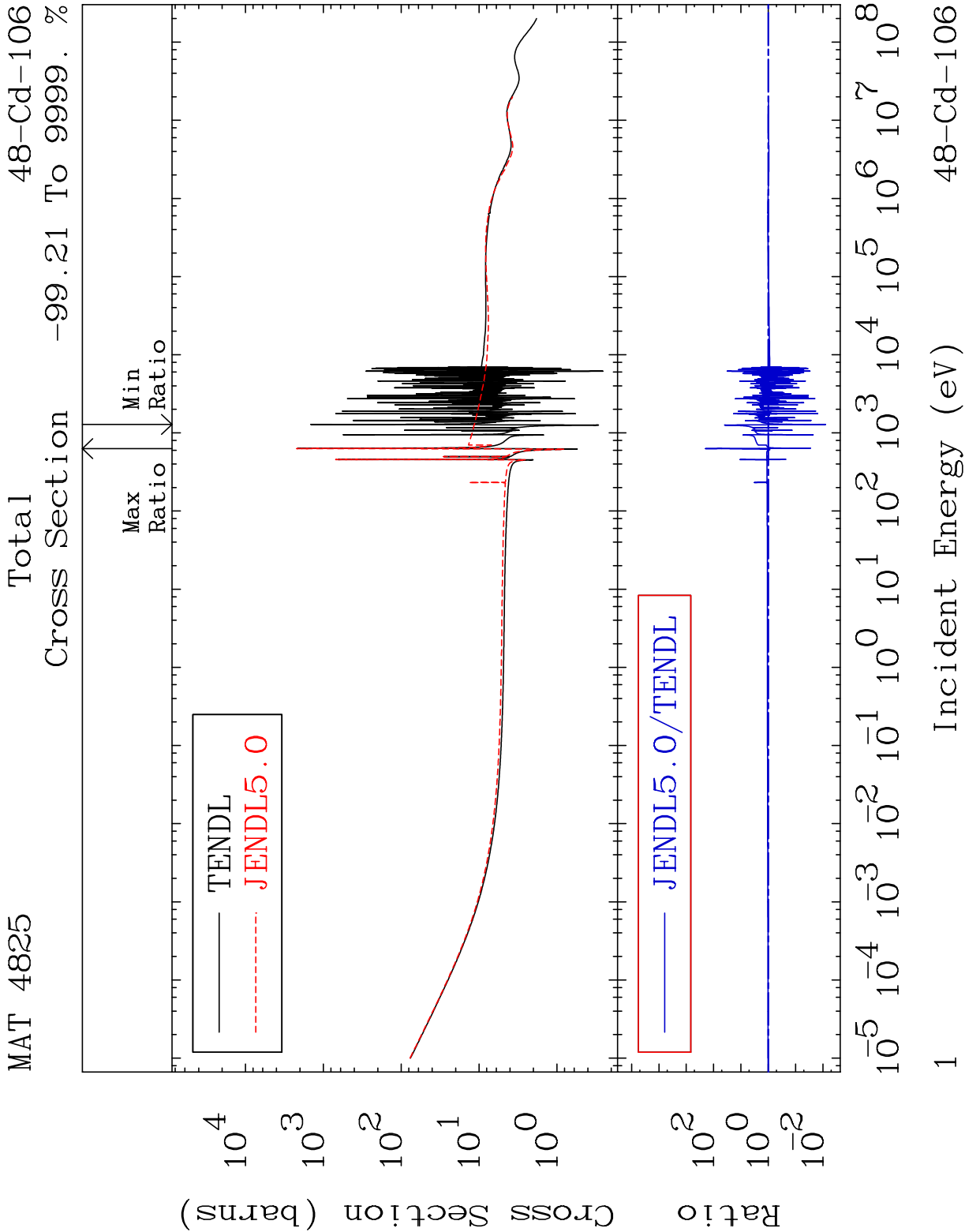
by

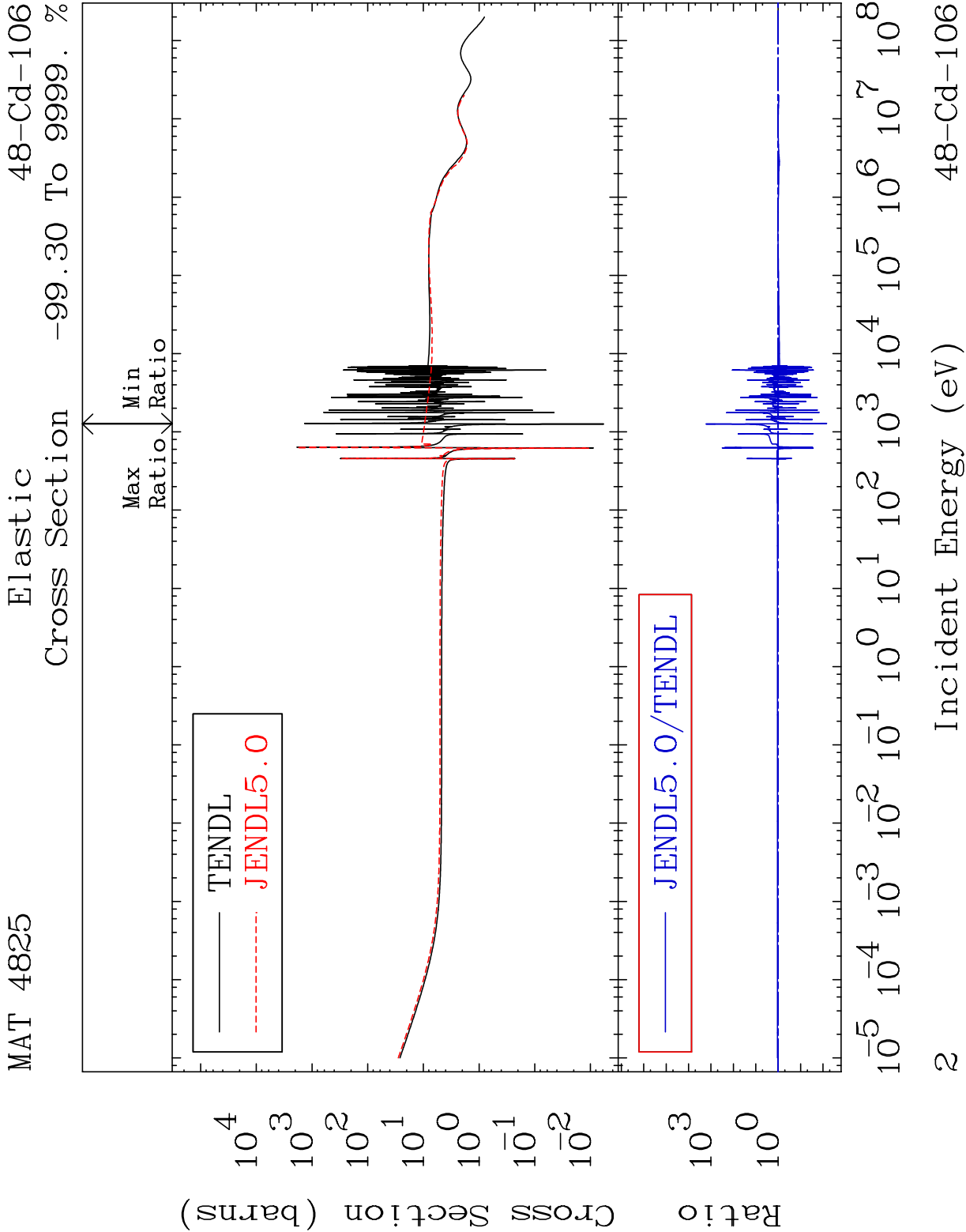
Dermott E. Cullen
(Present Contact Information)

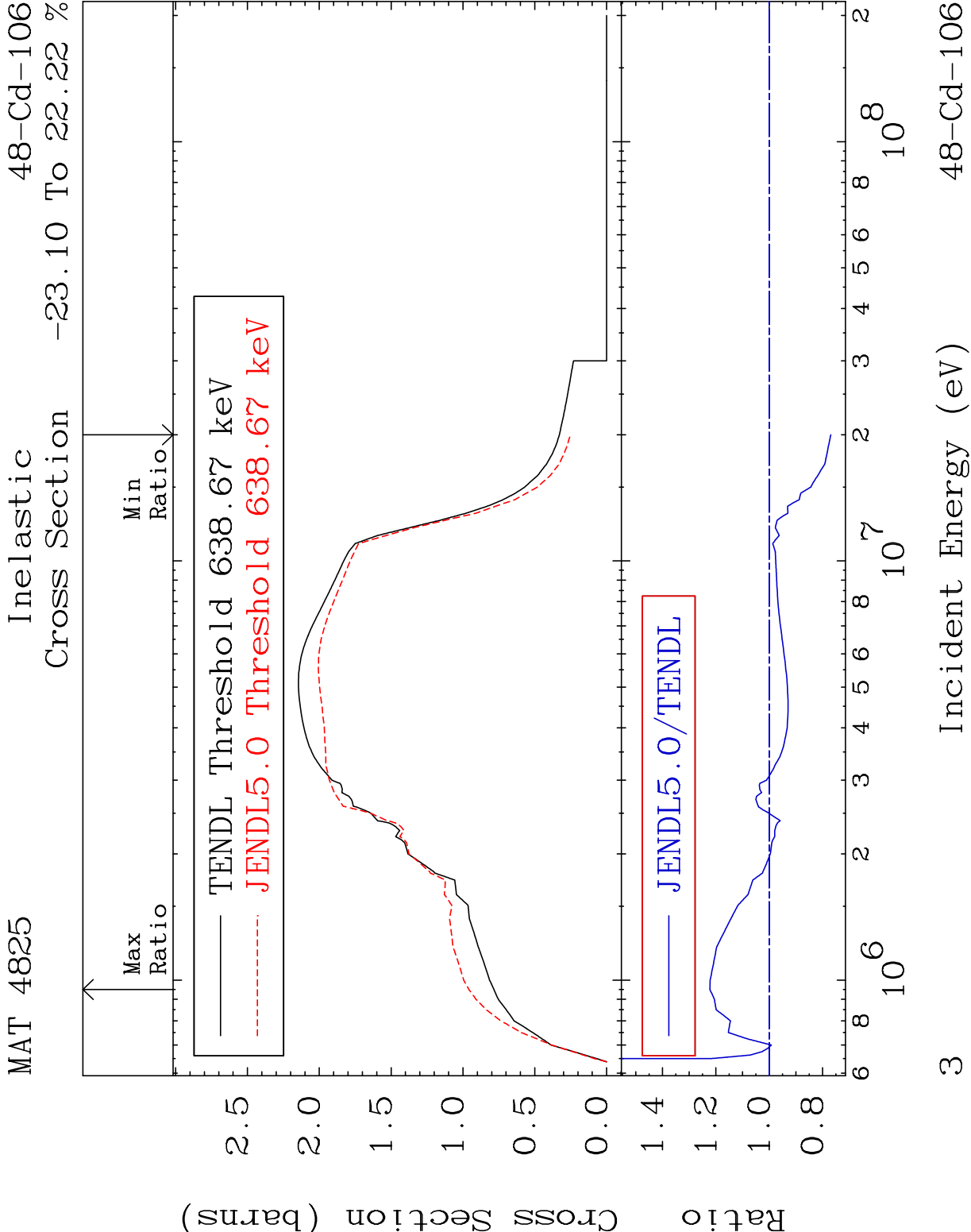
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

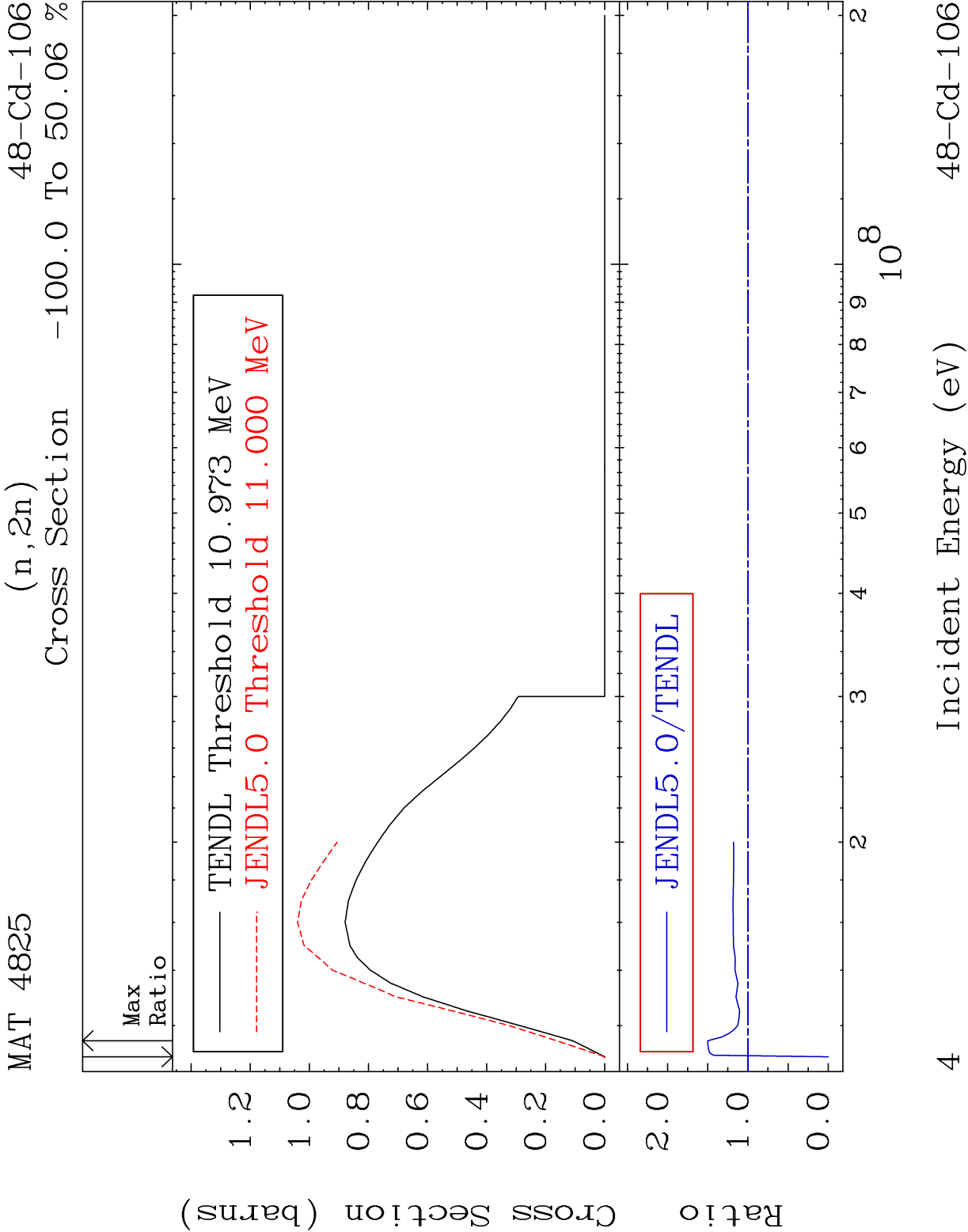
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

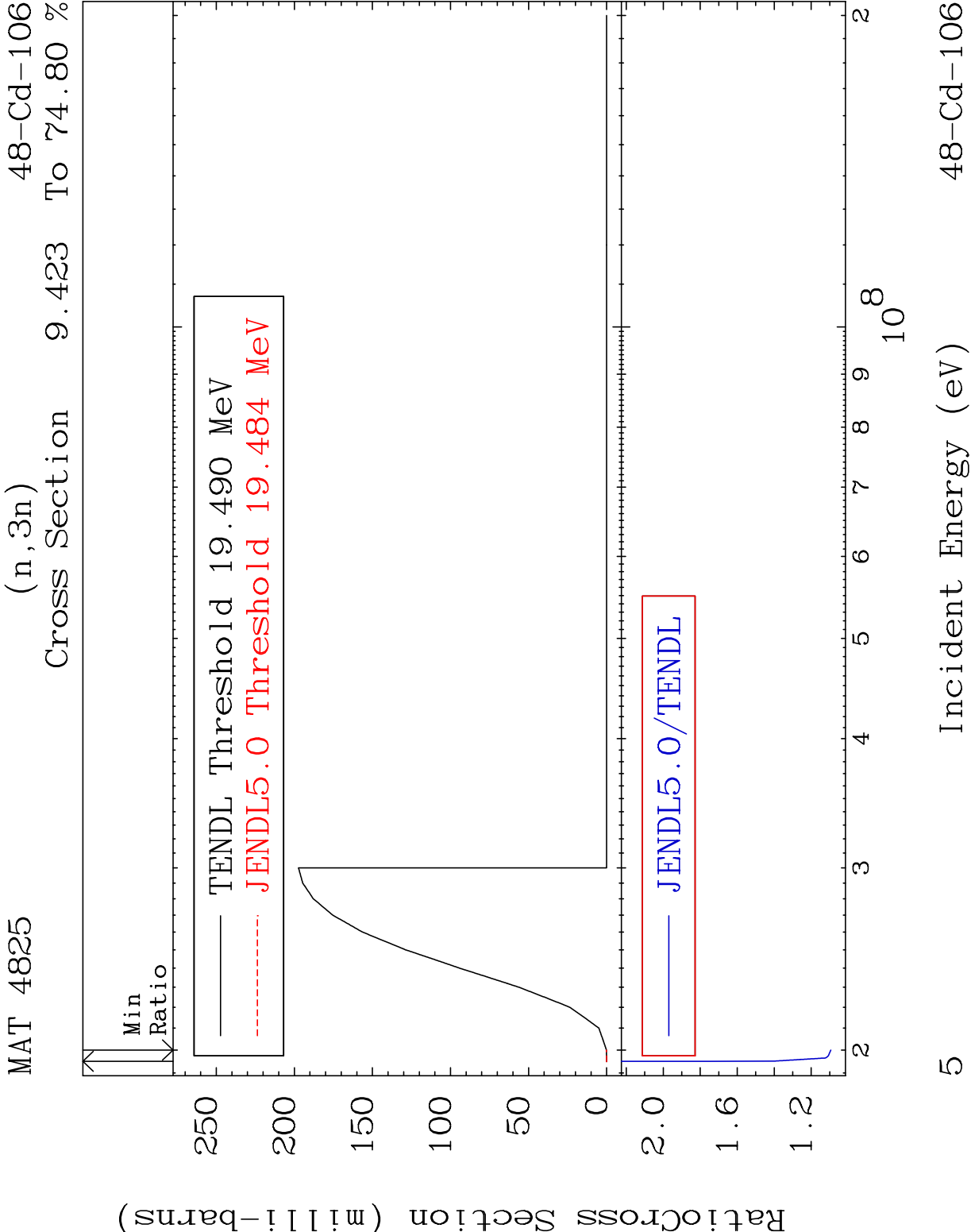
Press Mouse Button to Start



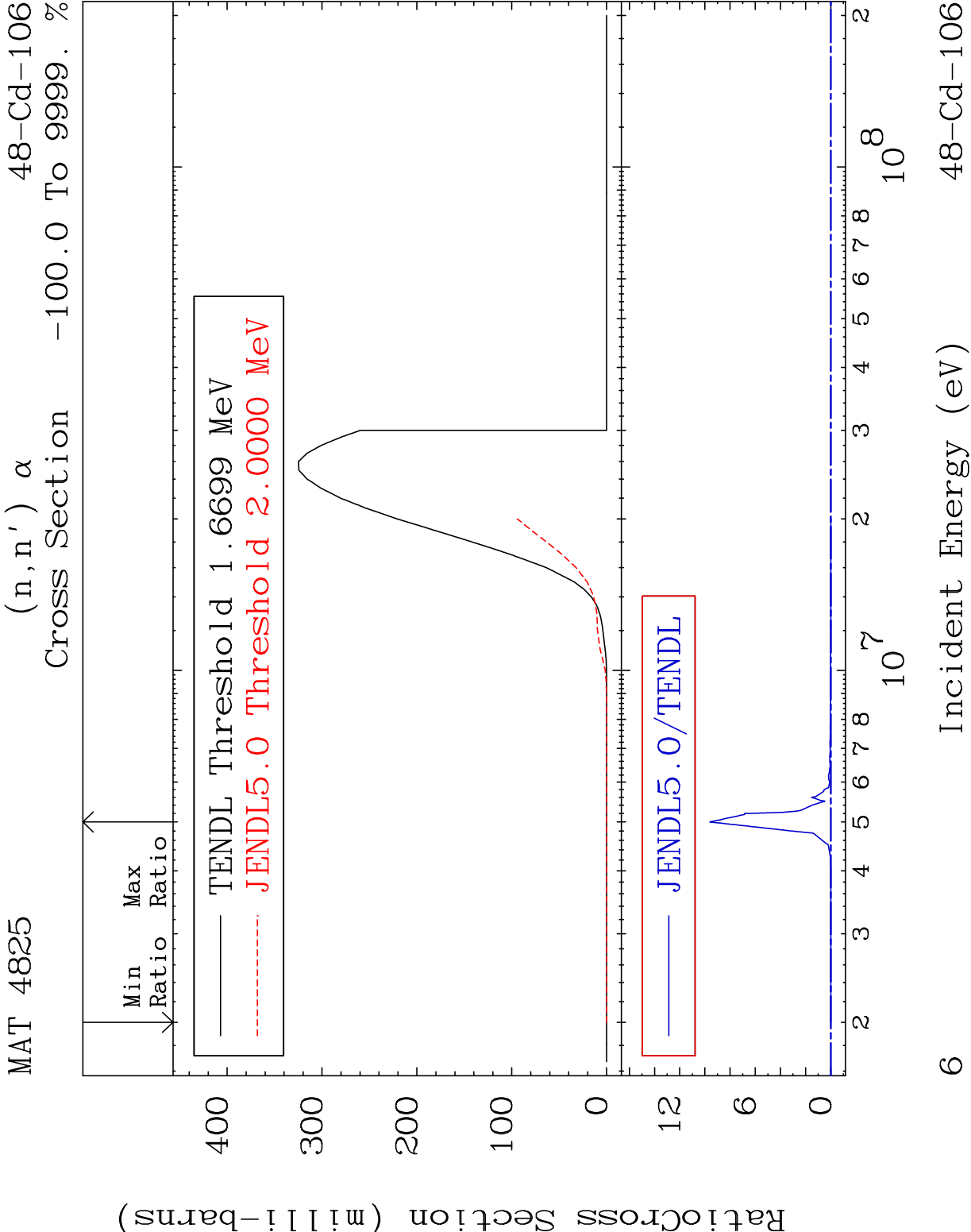


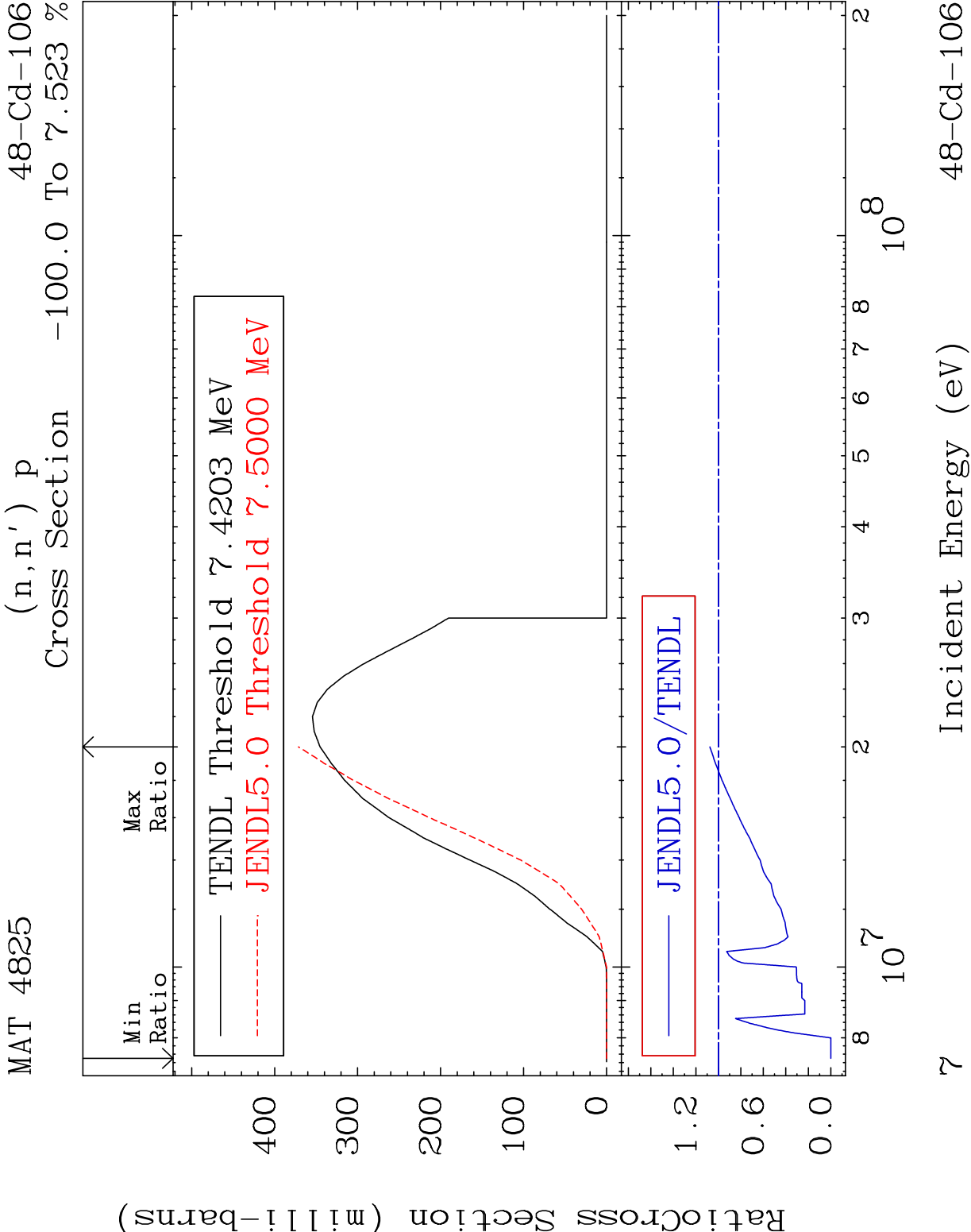


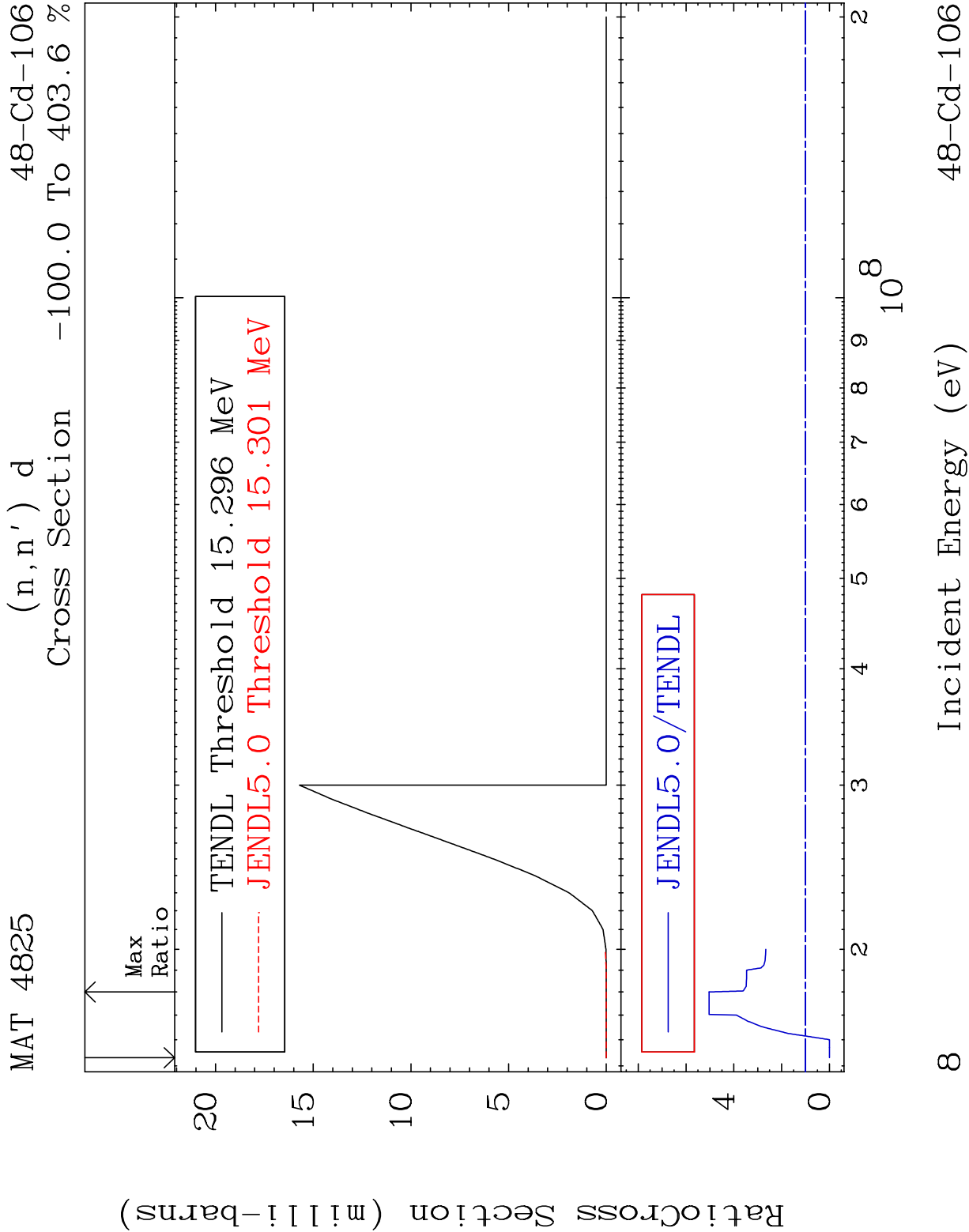




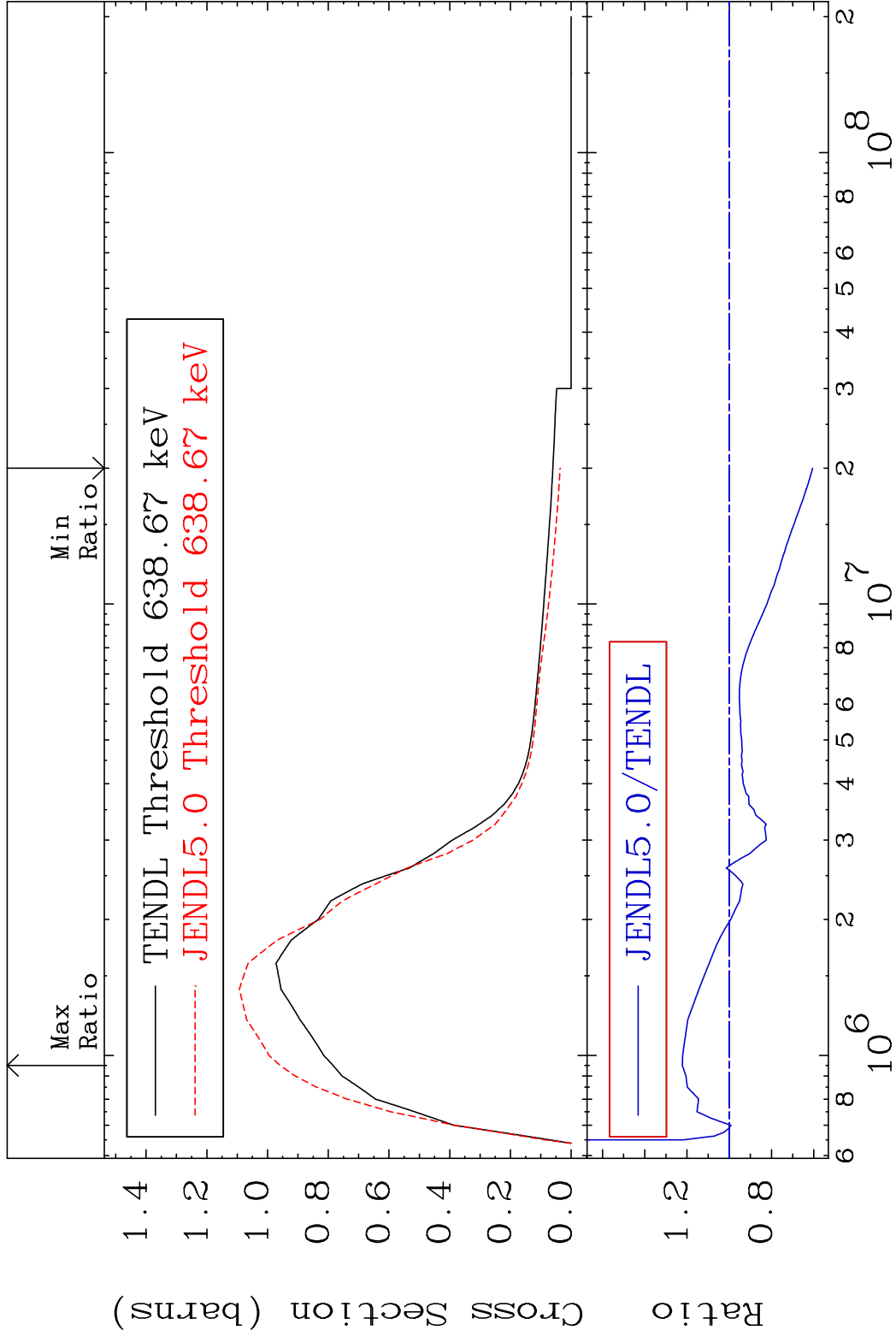
RatioCross Section (milli-barns)



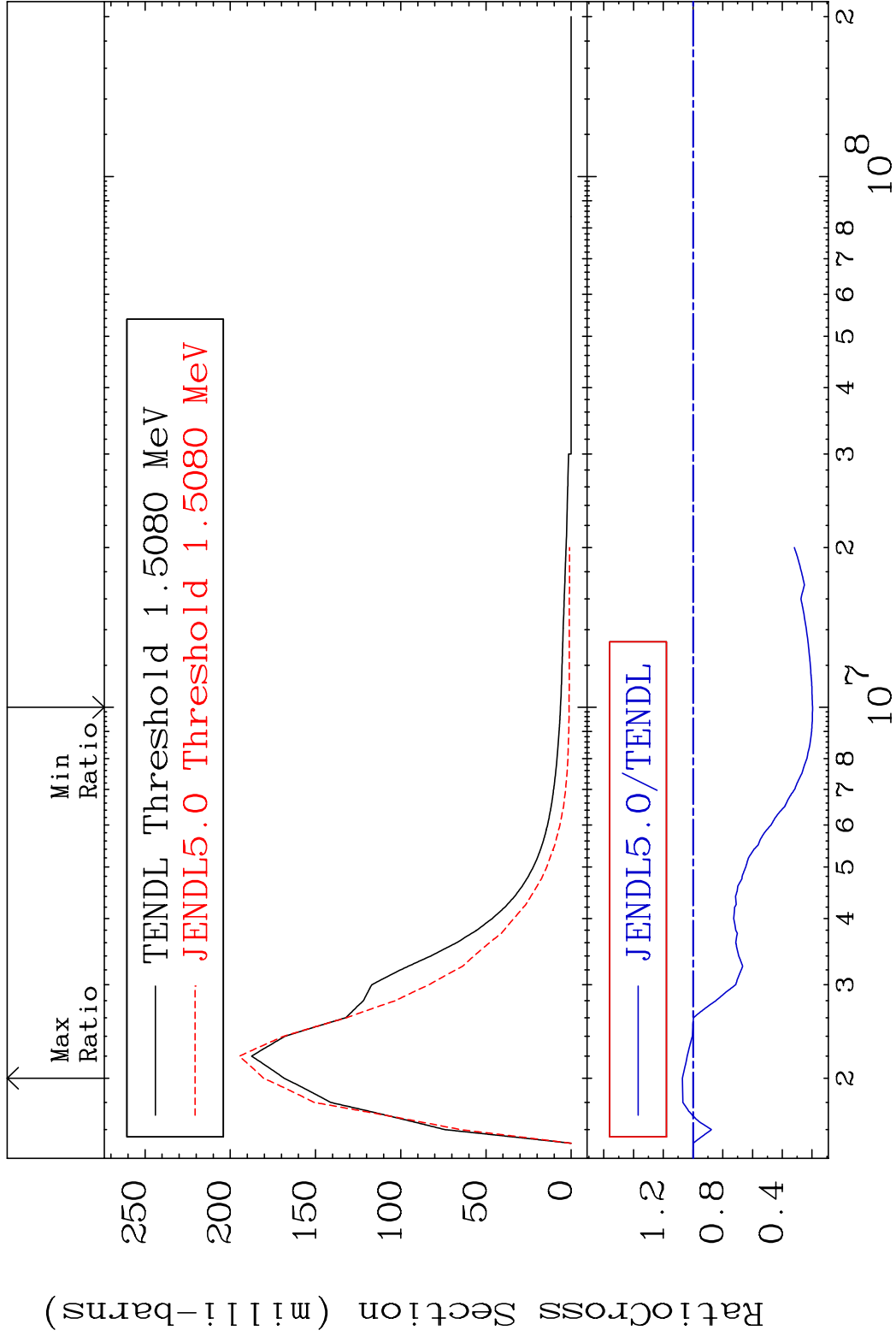




MAT 4825 MT= 51 (n,n') Level 48-Cd-106
Cross Section -39.39 To 22.22 %

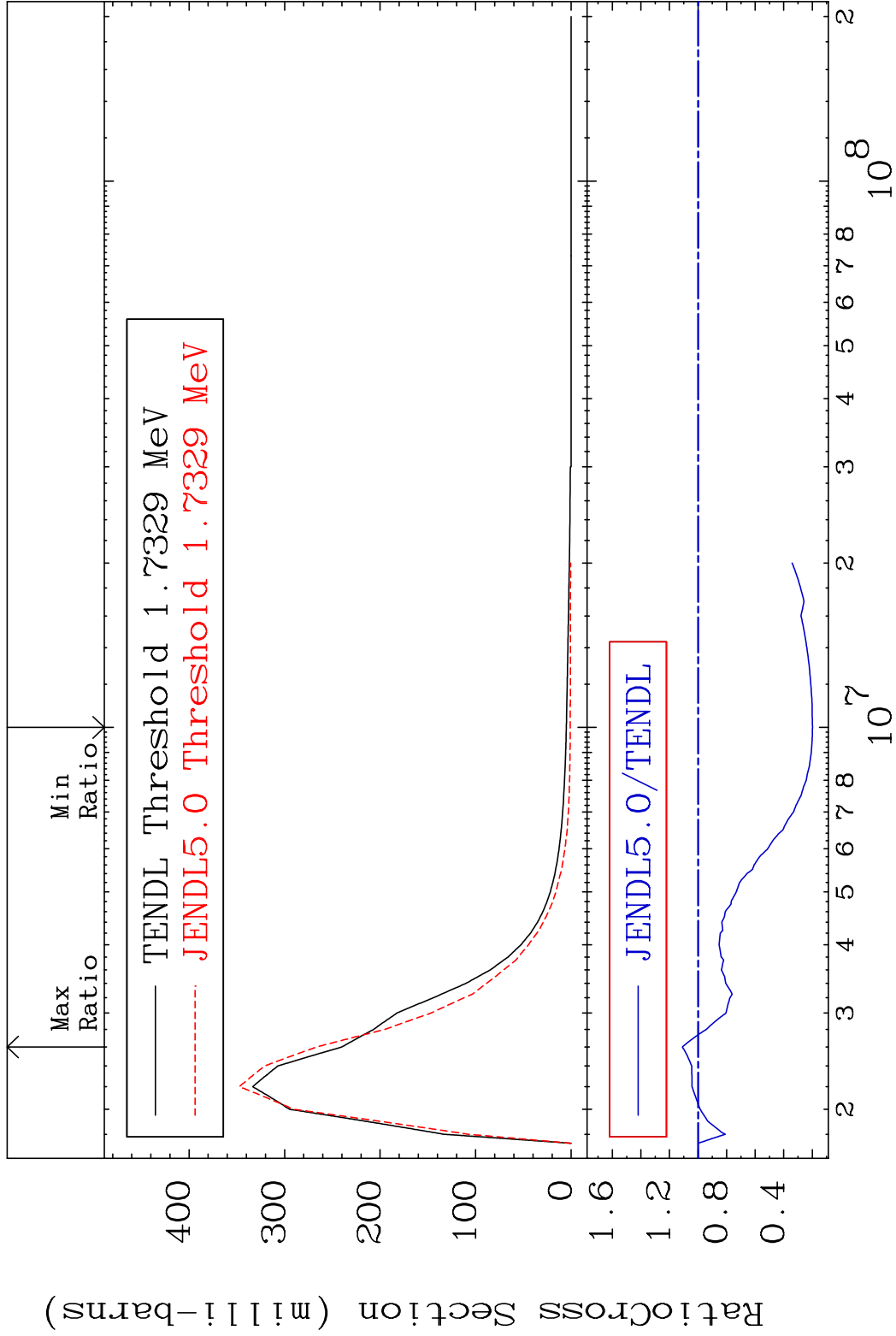


MAT 4825 MT= 52 (n,n') Level 48-Cd-106
Cross Section -80.36 To 7.175 %



10 Incident Energy (eV) 48-Cd-106

MAT 4825 MT= 53 (n,n') Level 48-Cd-106
Cross Section -80.18 To 10.99 %



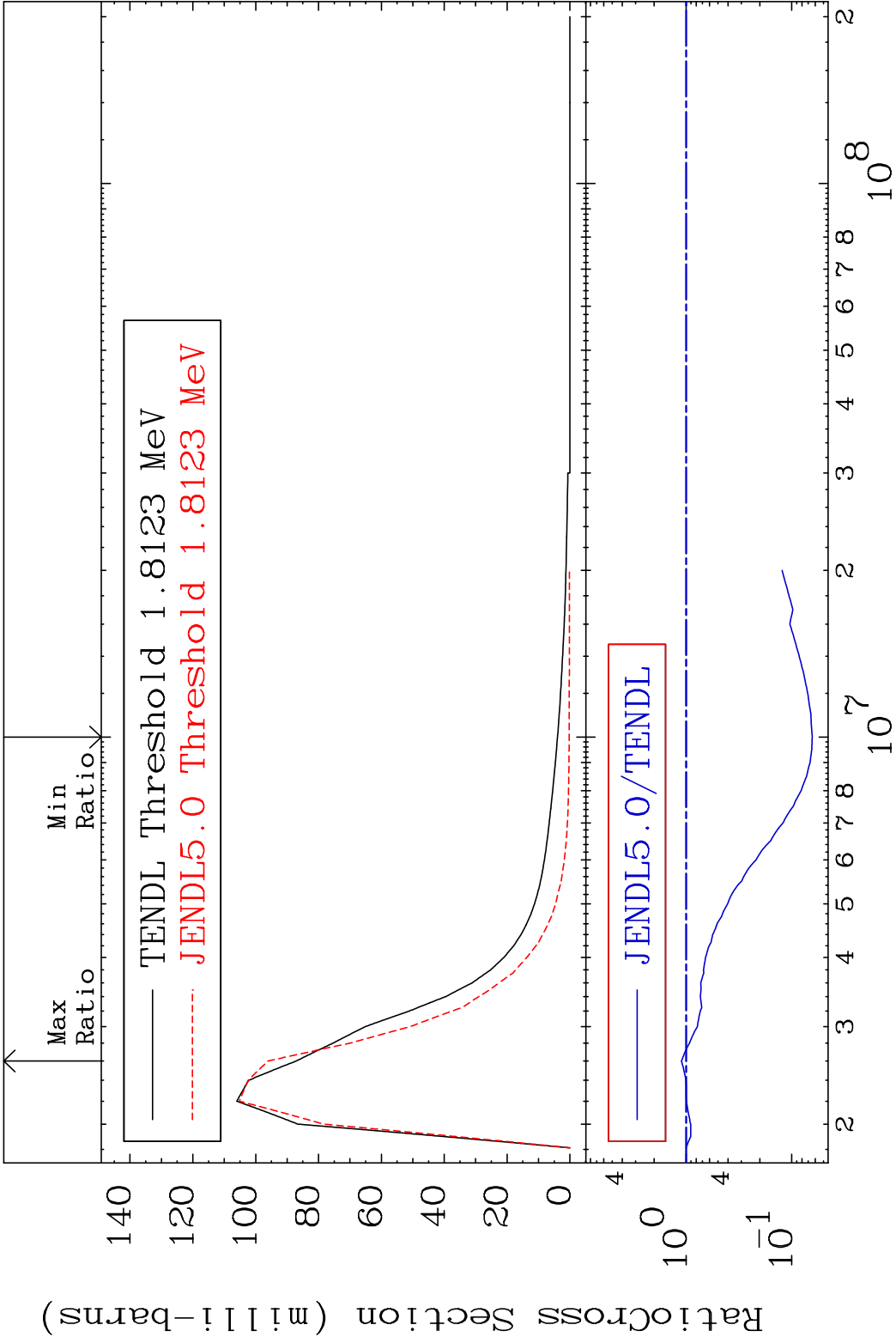
MAT 4825

MT= 54 (n,n') Level

48-Cd-106

Cross Section

-93.60 To 10.31 %



12

Incident Energy (eV)

48-Cd-106

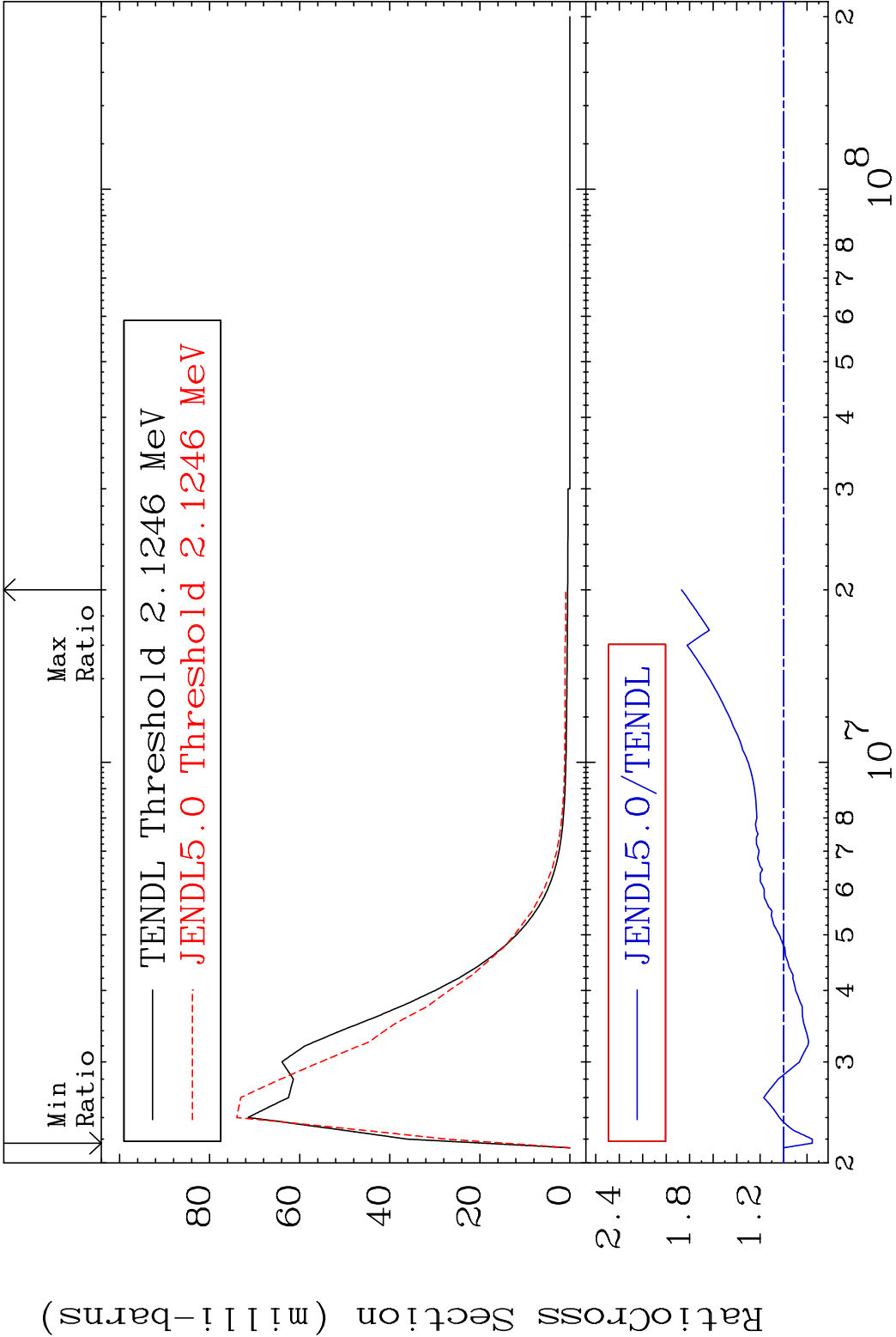
MAT 4825

MT= 55 (n,n') Level

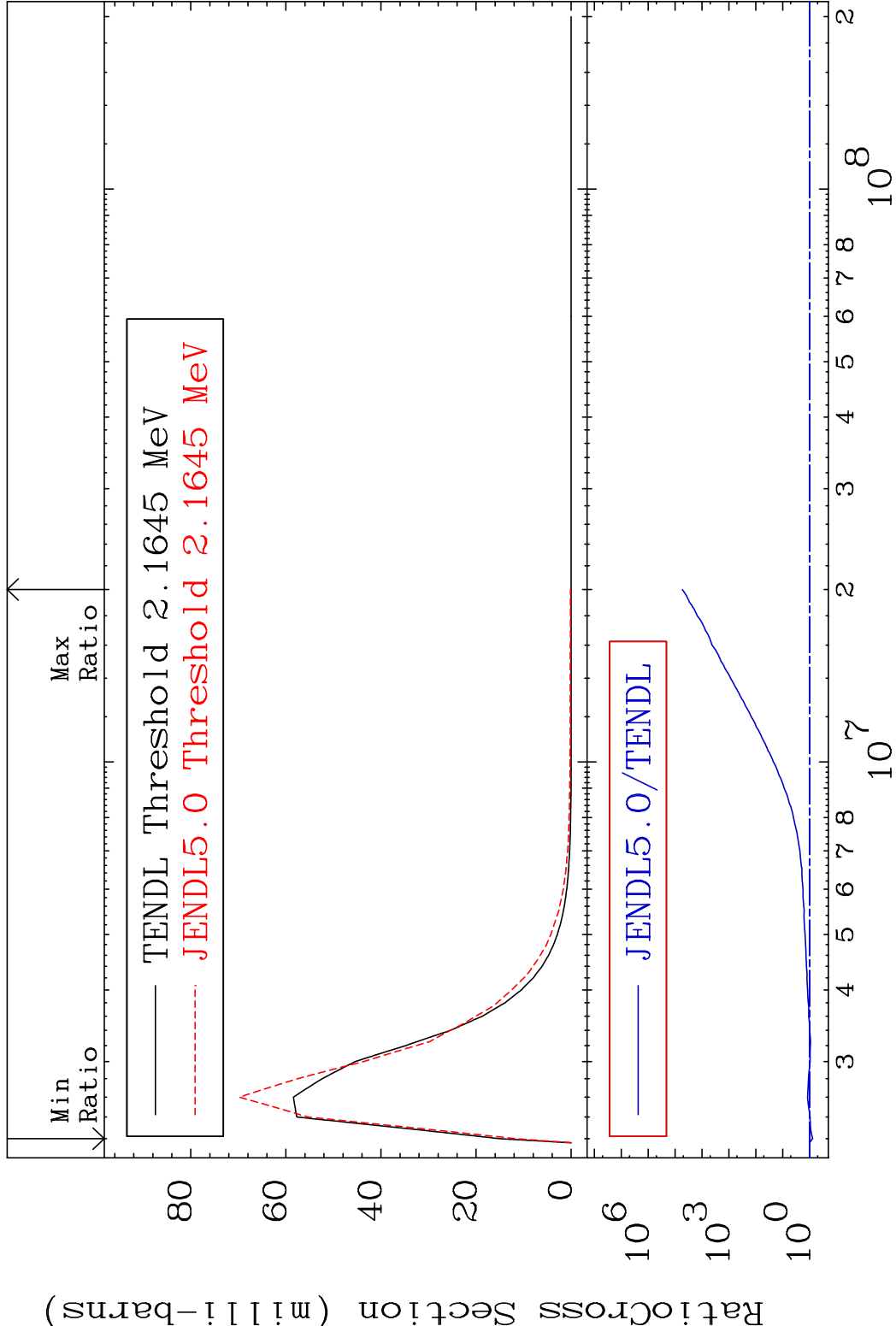
48-Cd-106

Cross Section

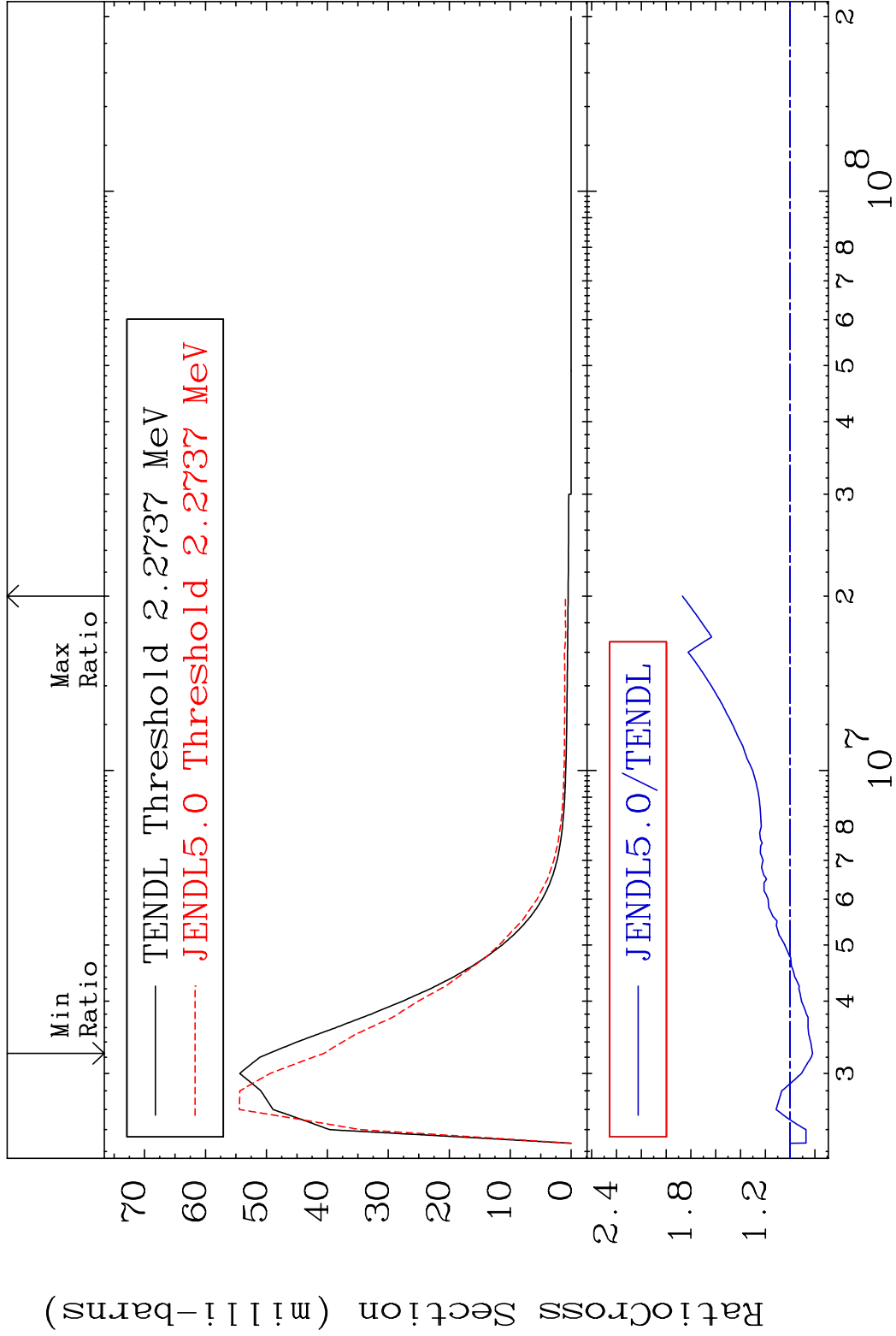
-24.40 To 86.93 %



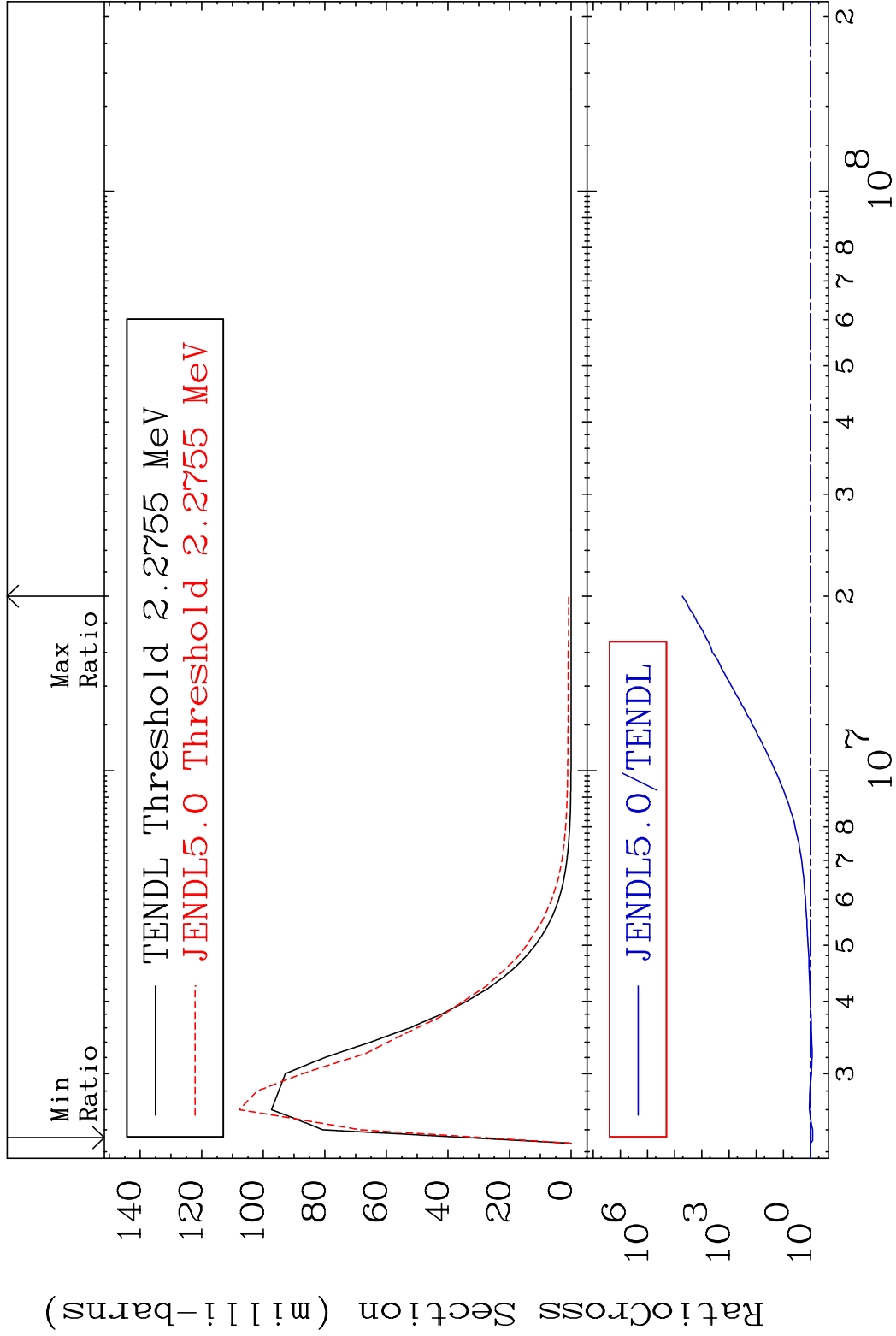
MAT 4825 MT= 56 (n,n') Level 48-Cd-106
Cross Section -22.54 To 9999. %



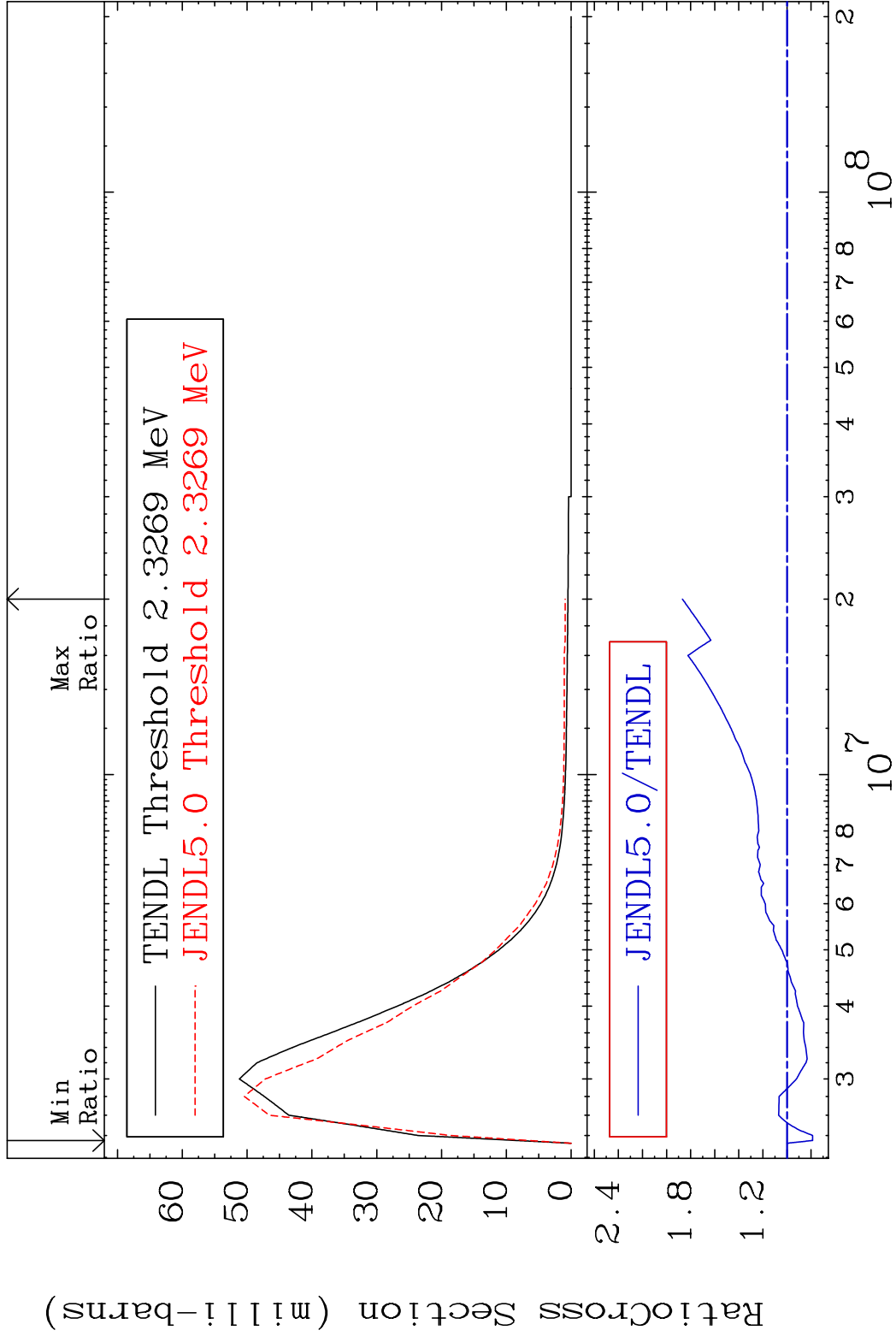
MAT 4825 MT= 57 (n,n') Level 48-Cd-106
Cross Section -18.11 To 86.90 %



MAT 4825 MT= 58 (n,n') Level 48-Cd-106
Cross Section -15.09 To 9999. %

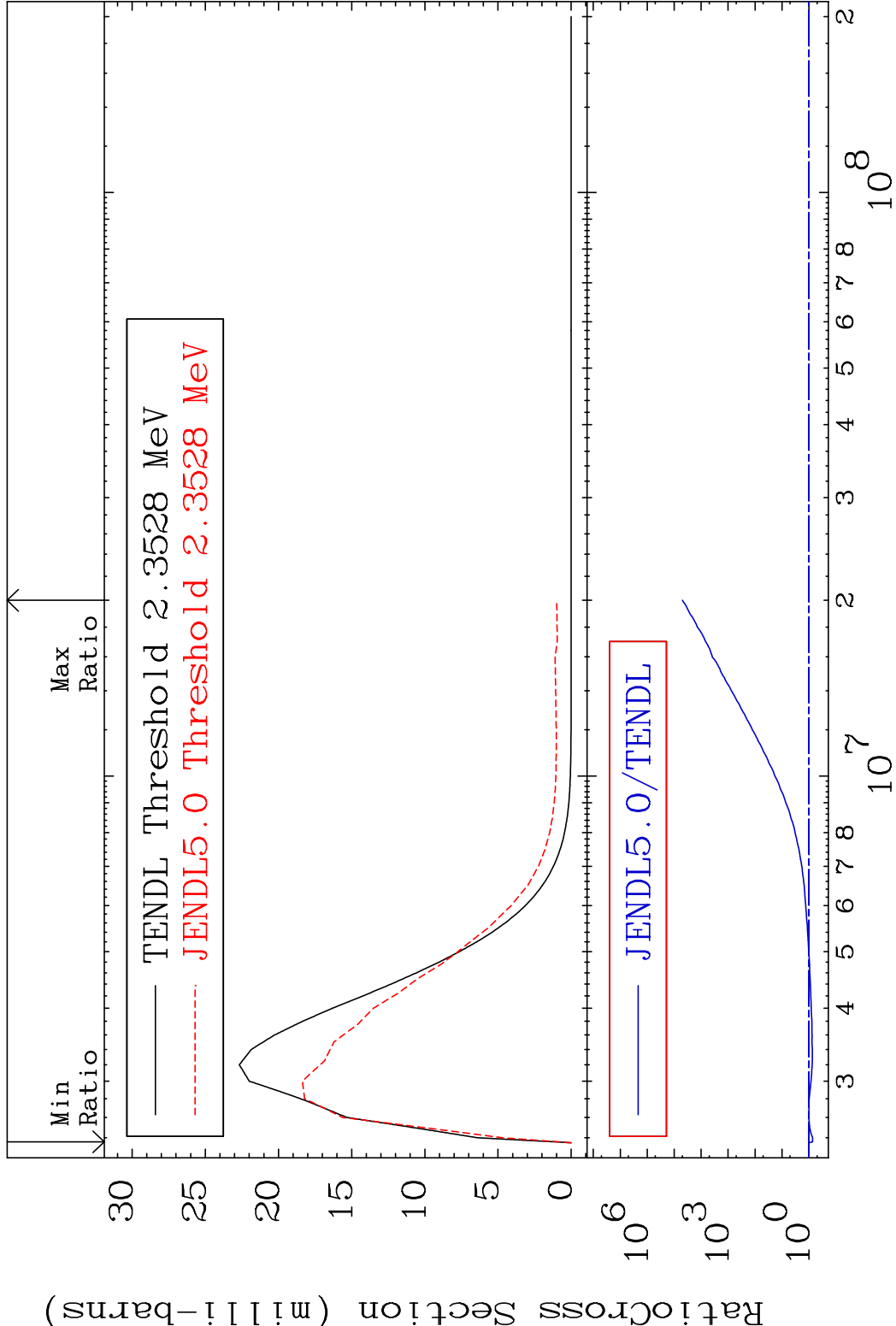


MAT 4825 MT= 59 (n,n') Level 48-Cd-106
Cross Section -21.23 To 86.87 %

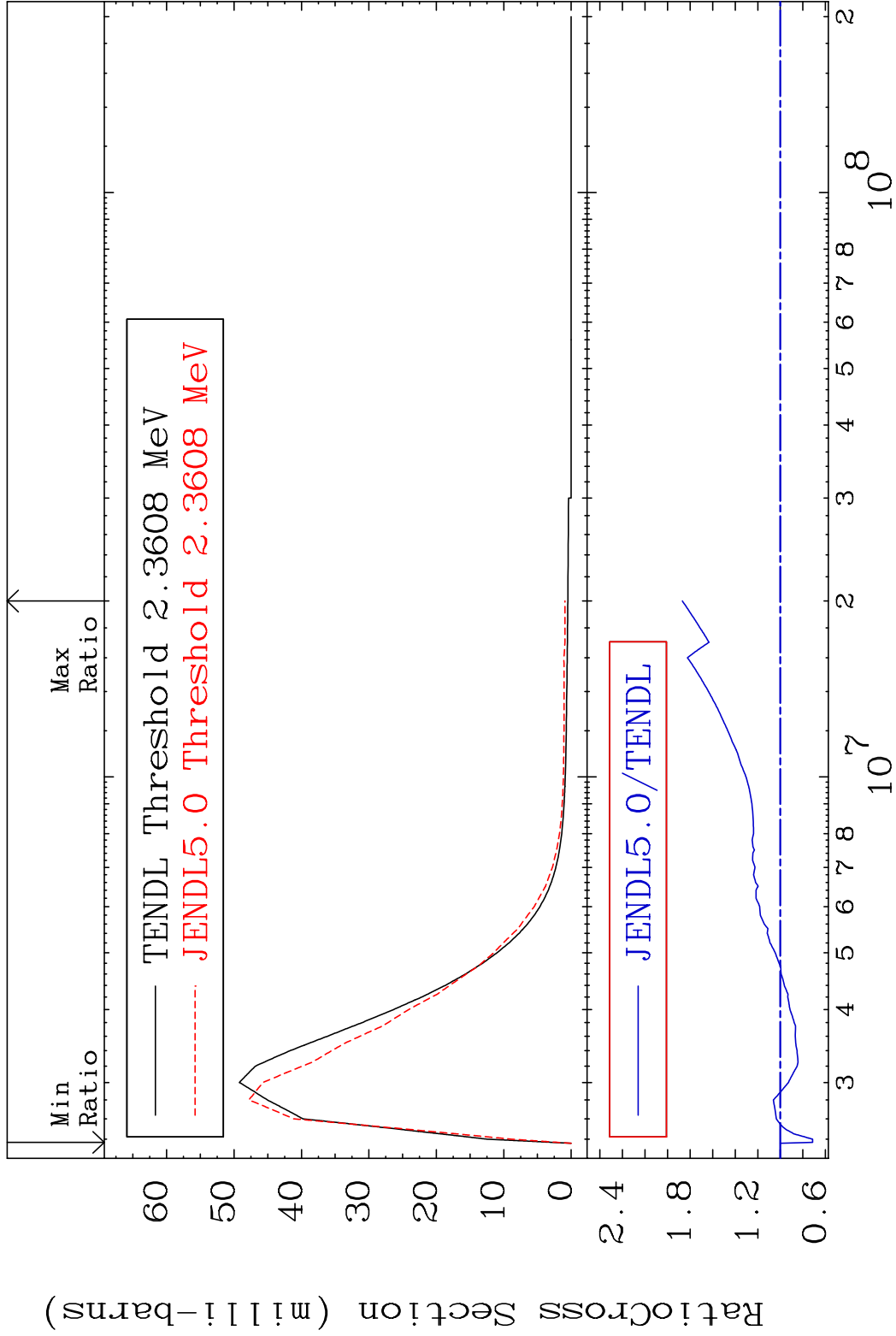


MAT 4825MT= 60 (n,n') Level48-Cd-106

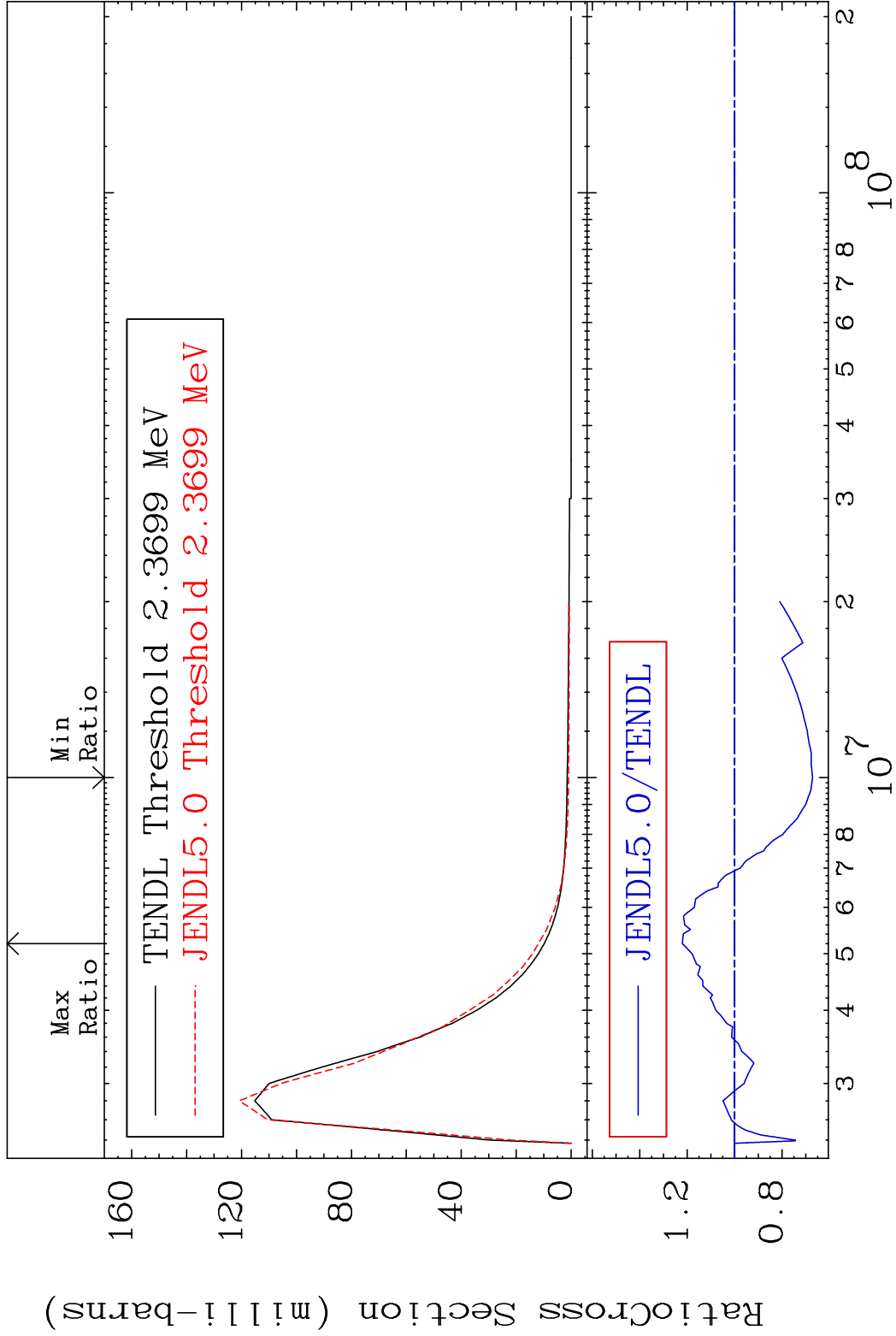
Cross Section-26.38 To 9999. %



MAT 4825 MT= 61 (n,n') Level 48-Cd-106
Cross Section -28.58 To 86.88 %

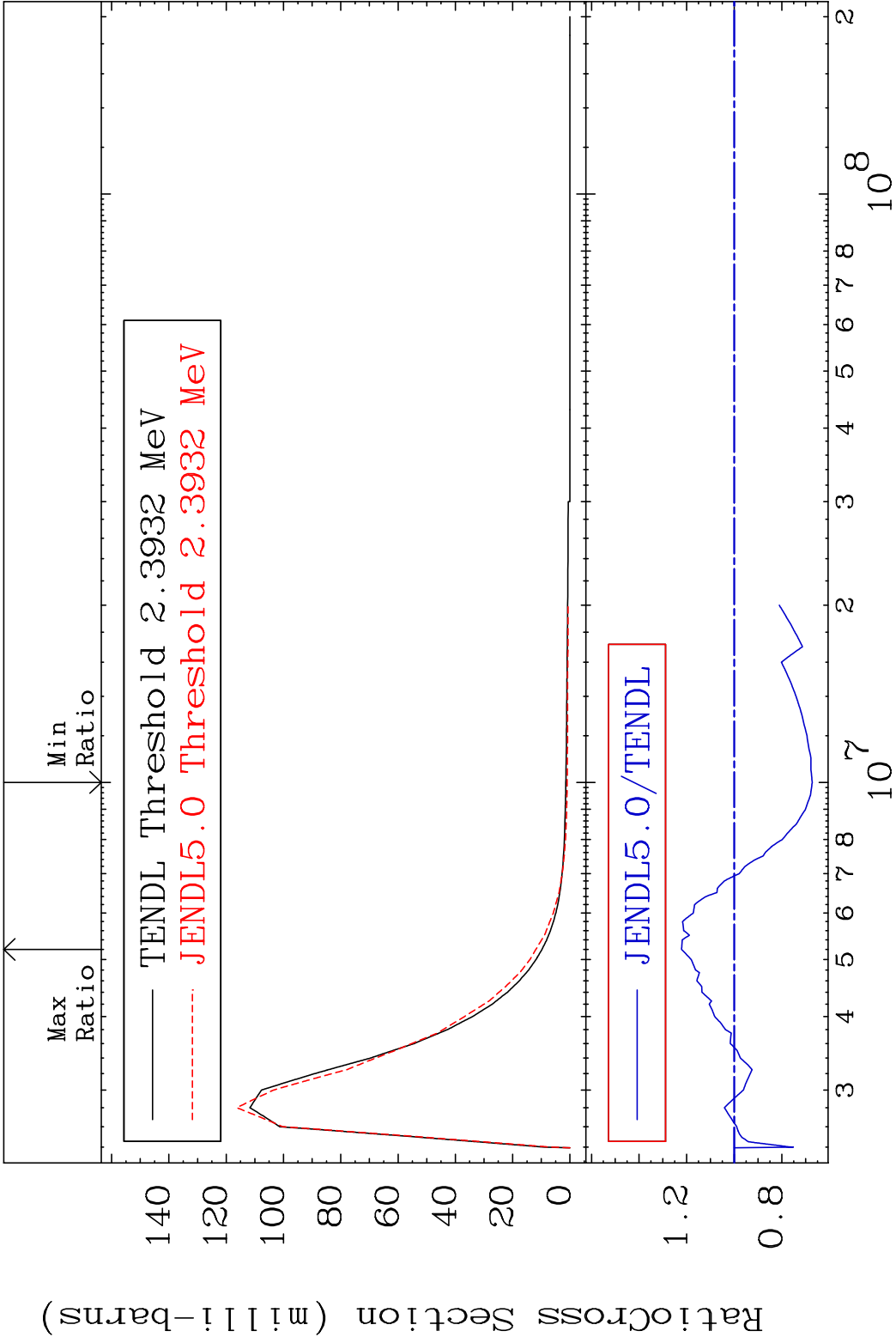


MAT 4825 MT= 62 (n,n') Level 48-Cd-106
Cross Section -32.86 To 22.01 %

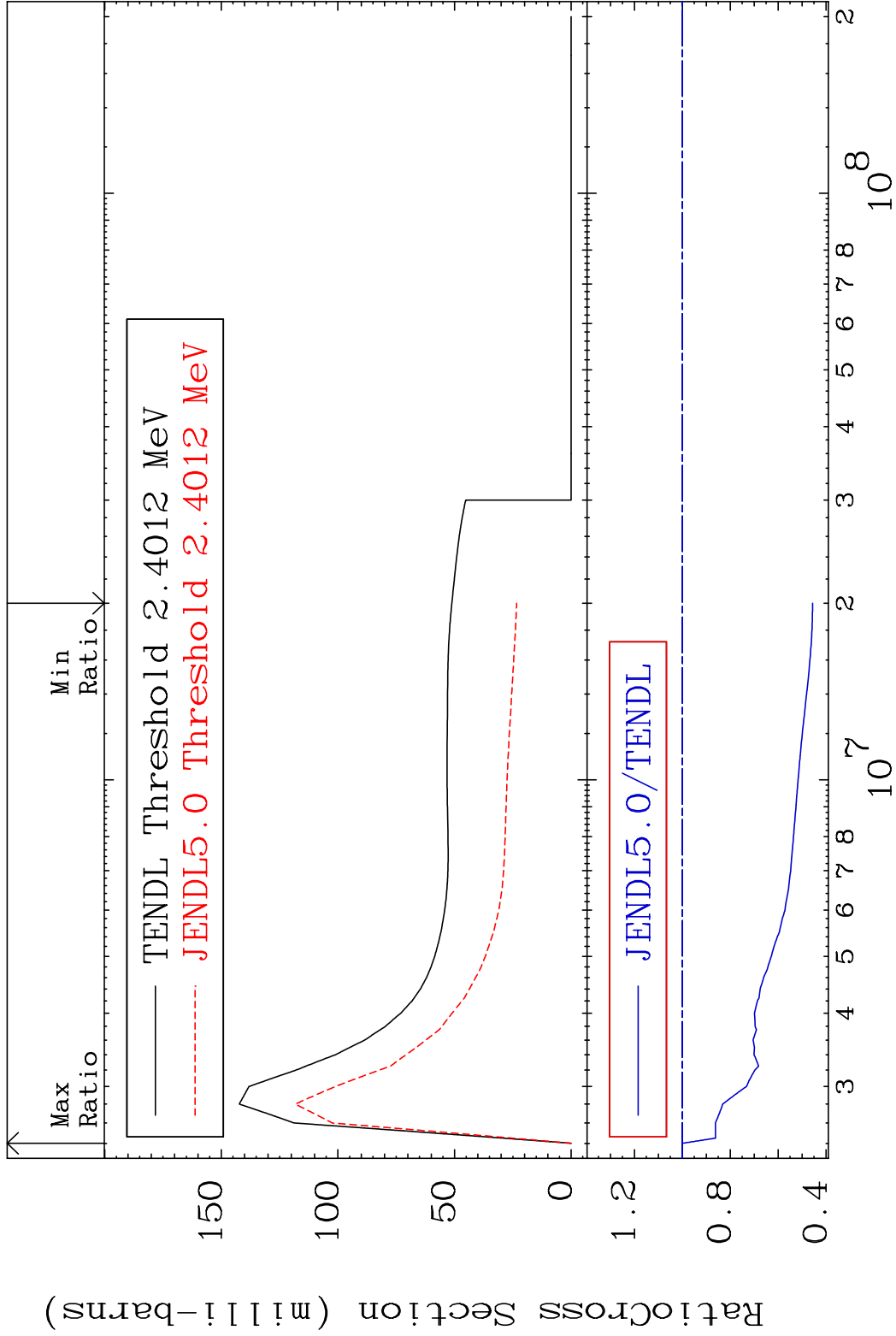


20 Incident Energy (eV) 48-Cd-106

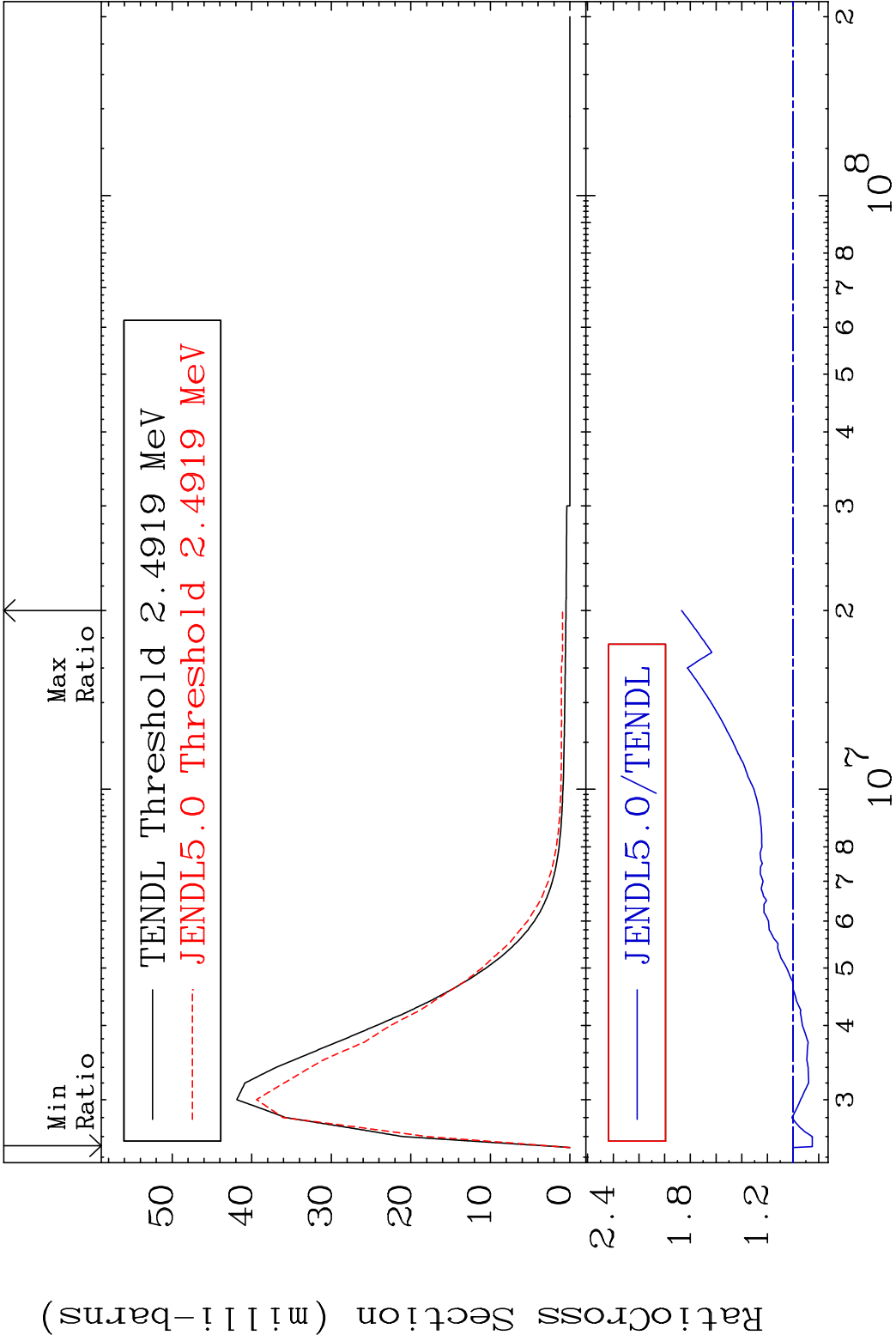
MAT 4825 MT= 63 (n,n') Level 48-Cd-106
Cross Section -32.81 To 22.14 %



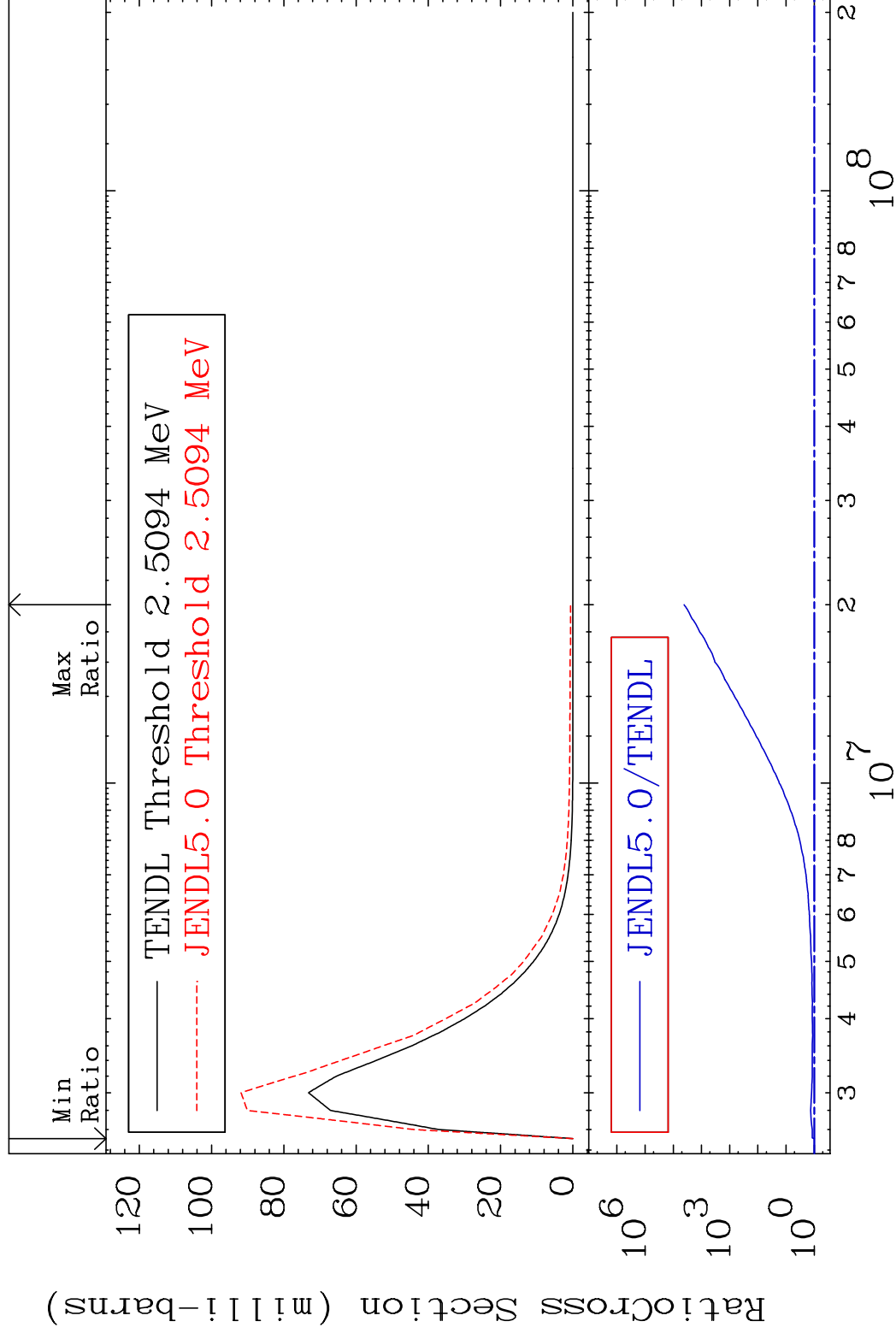
MAT 4825 MT= 64 (n,n') Level 48-Cd-106
Cross Section -54.37 To 0.000 %



MAT 4825 MT= 65 (n,n') Level 48-Cd-106
Cross Section -14.89 To 86.86 %



MAT 4825	MT= 66 (n, n') Level	48-Cd-106
	Cross Section	To 9999. %



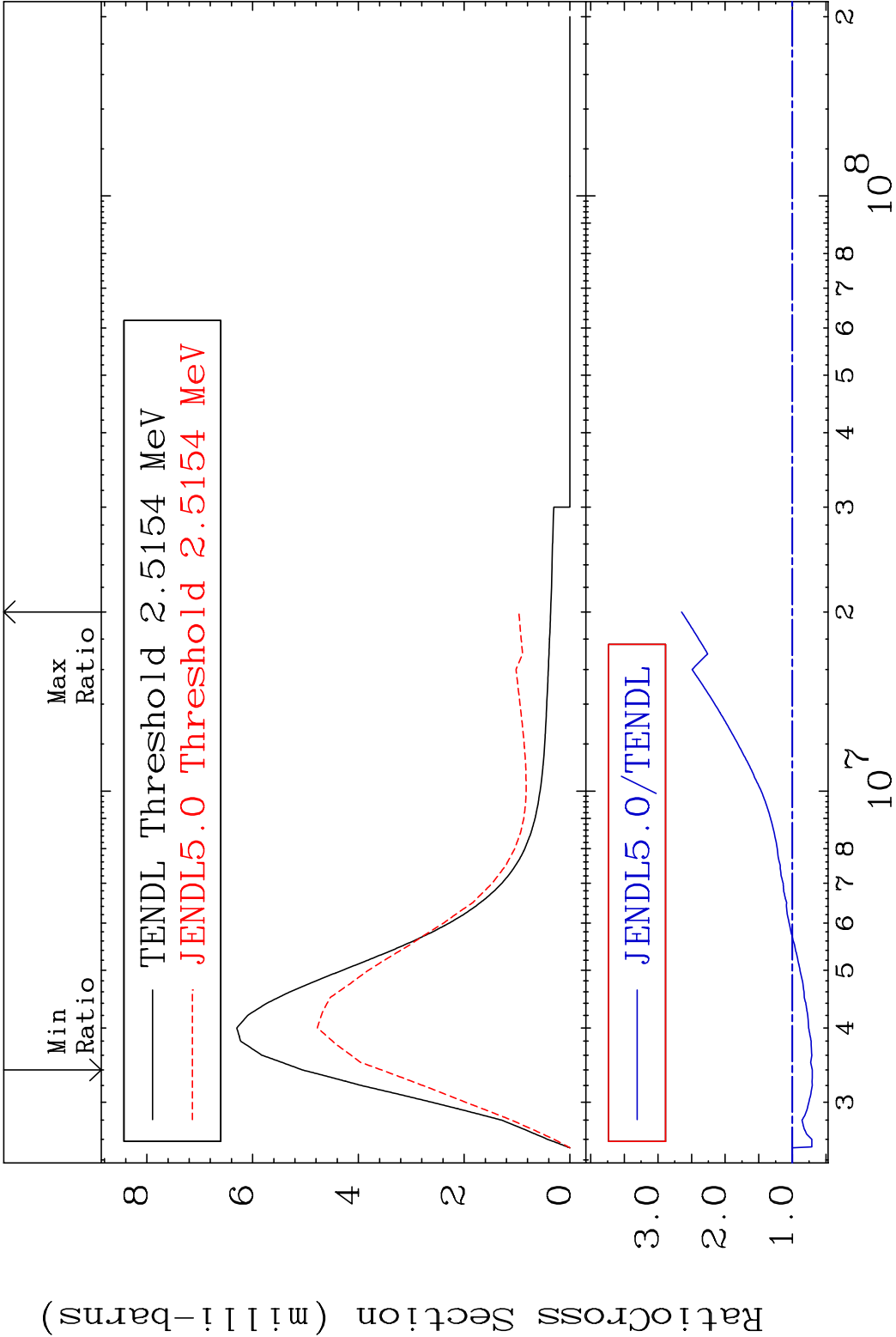
MAT 4825

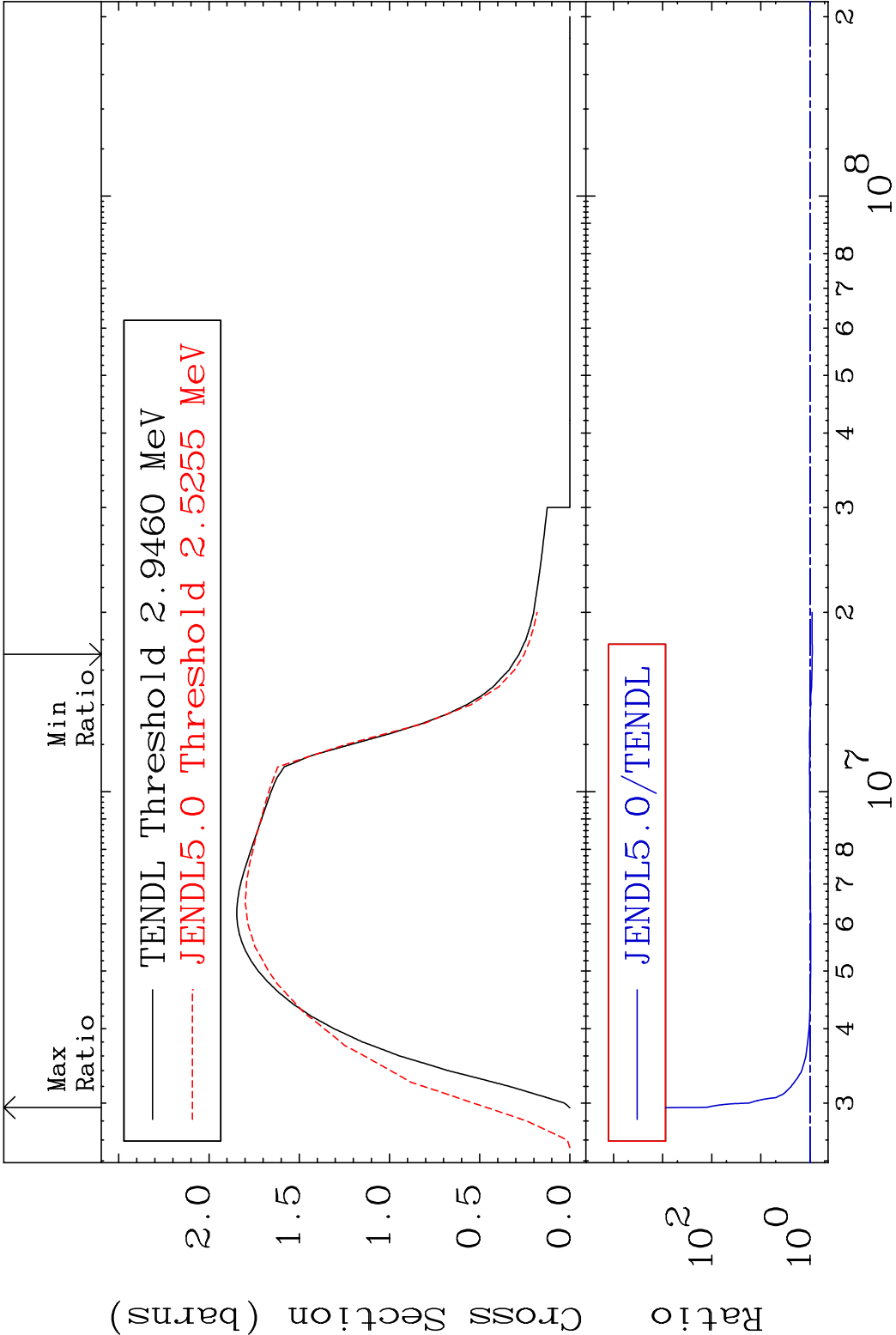
MT= 67 (n,n') Level

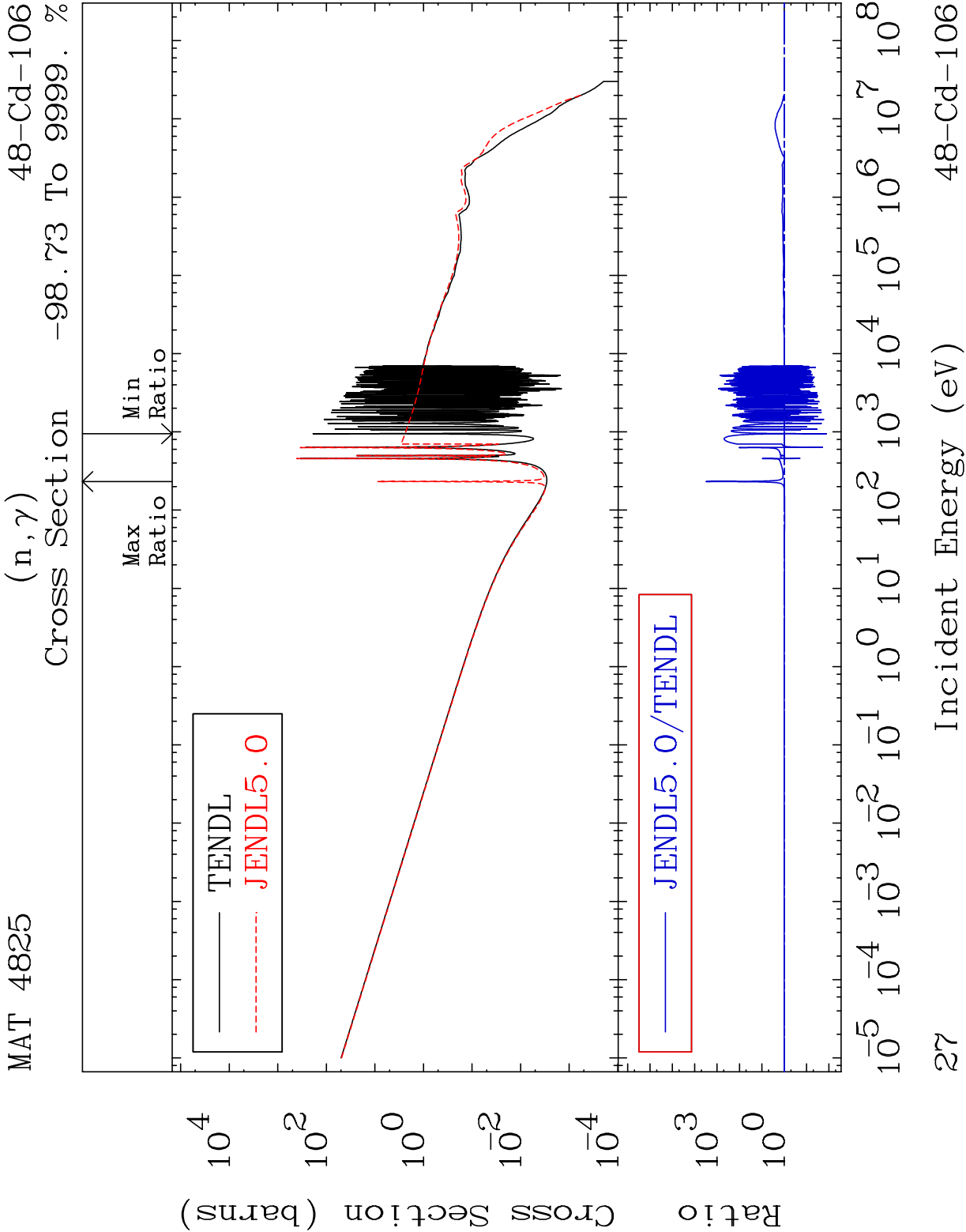
48-Cd-106

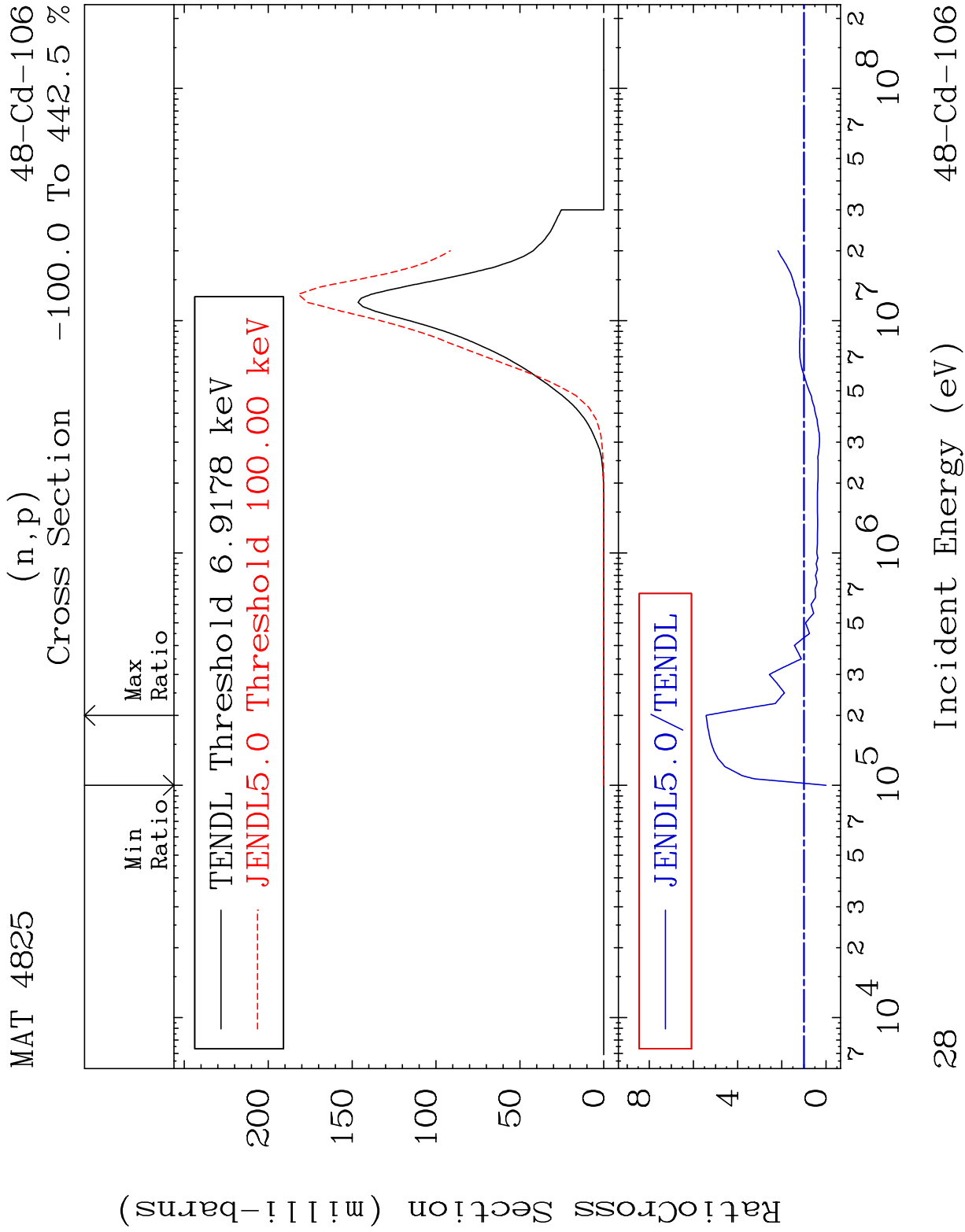
Cross Section

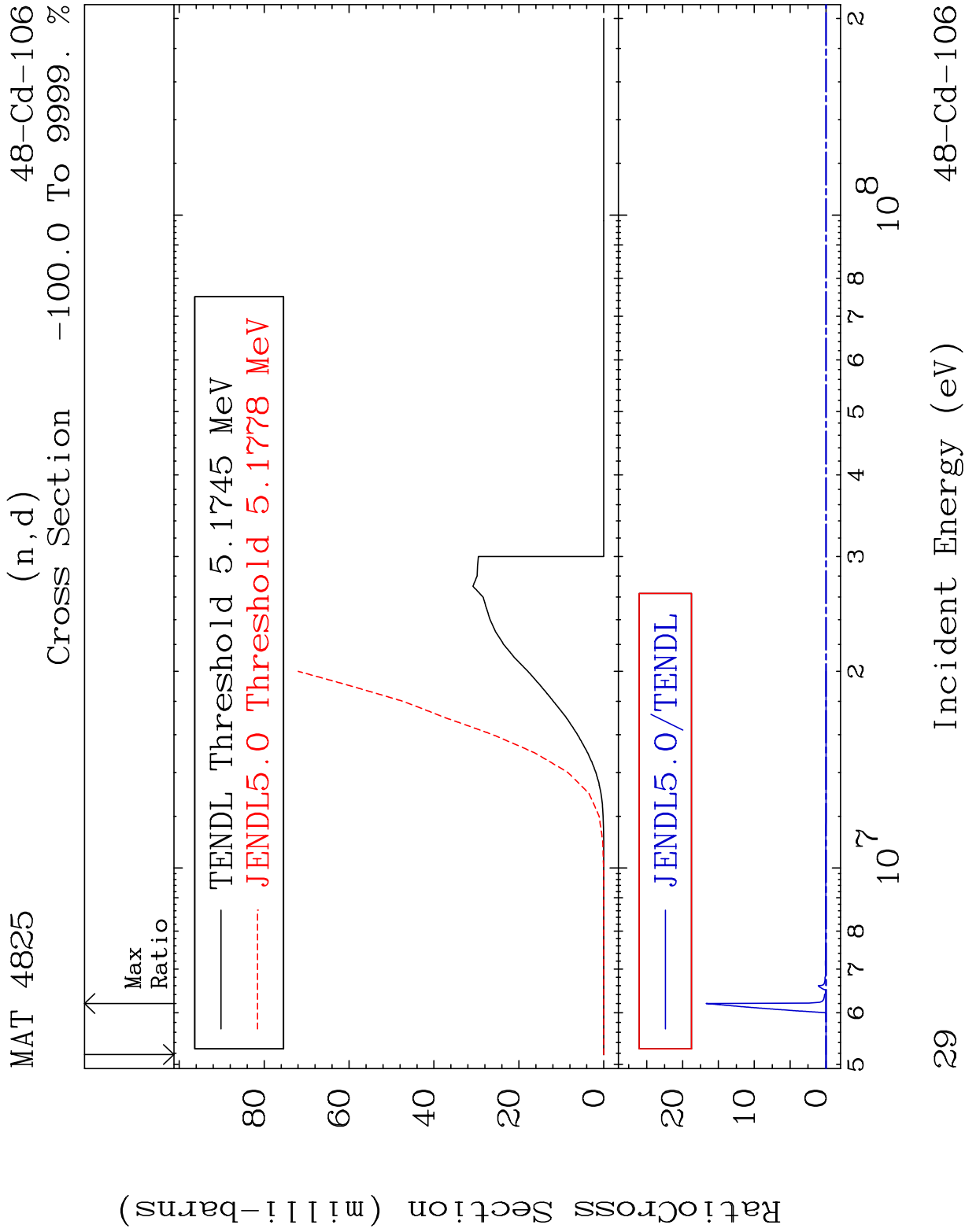
-29.54 To 164.9 %

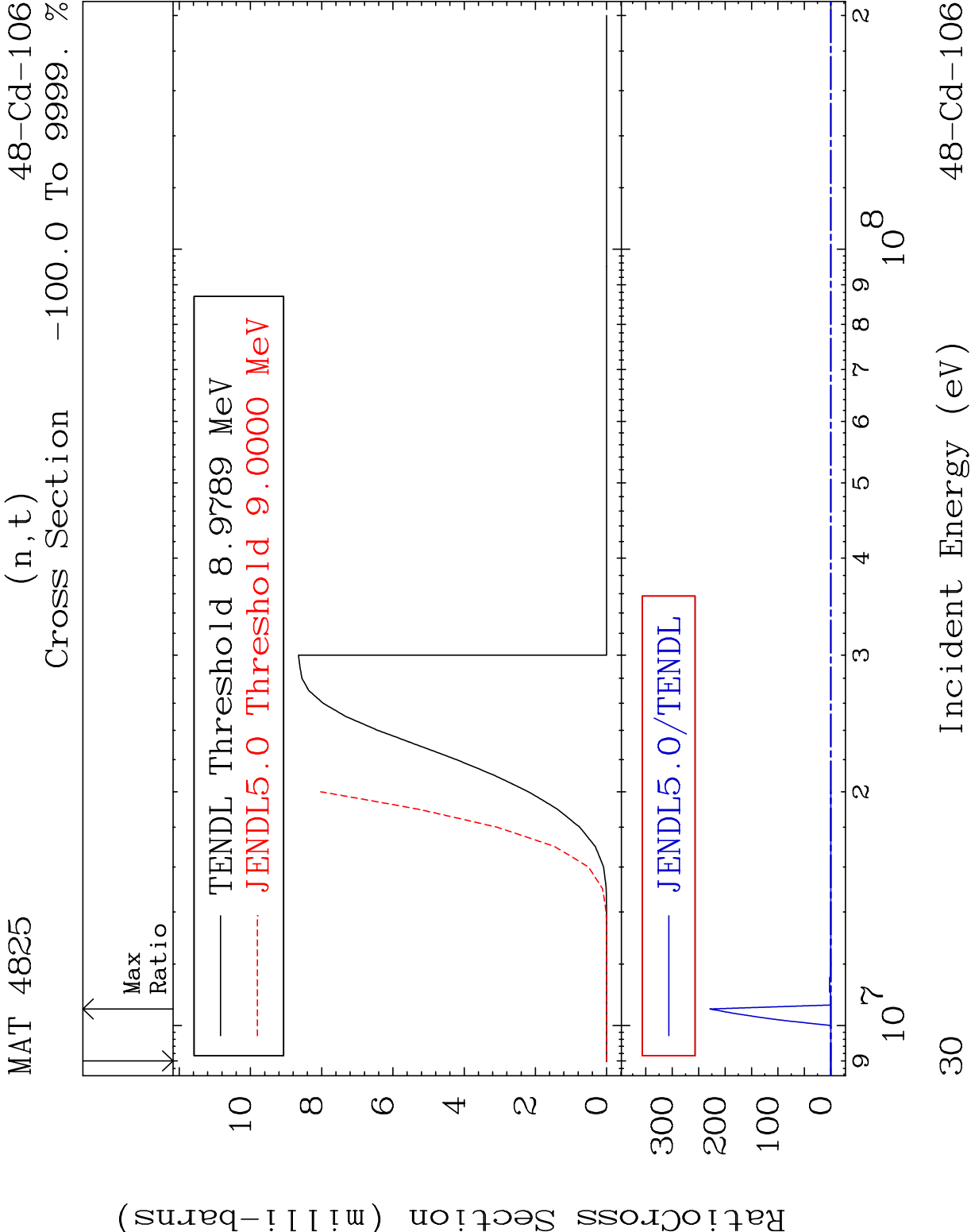


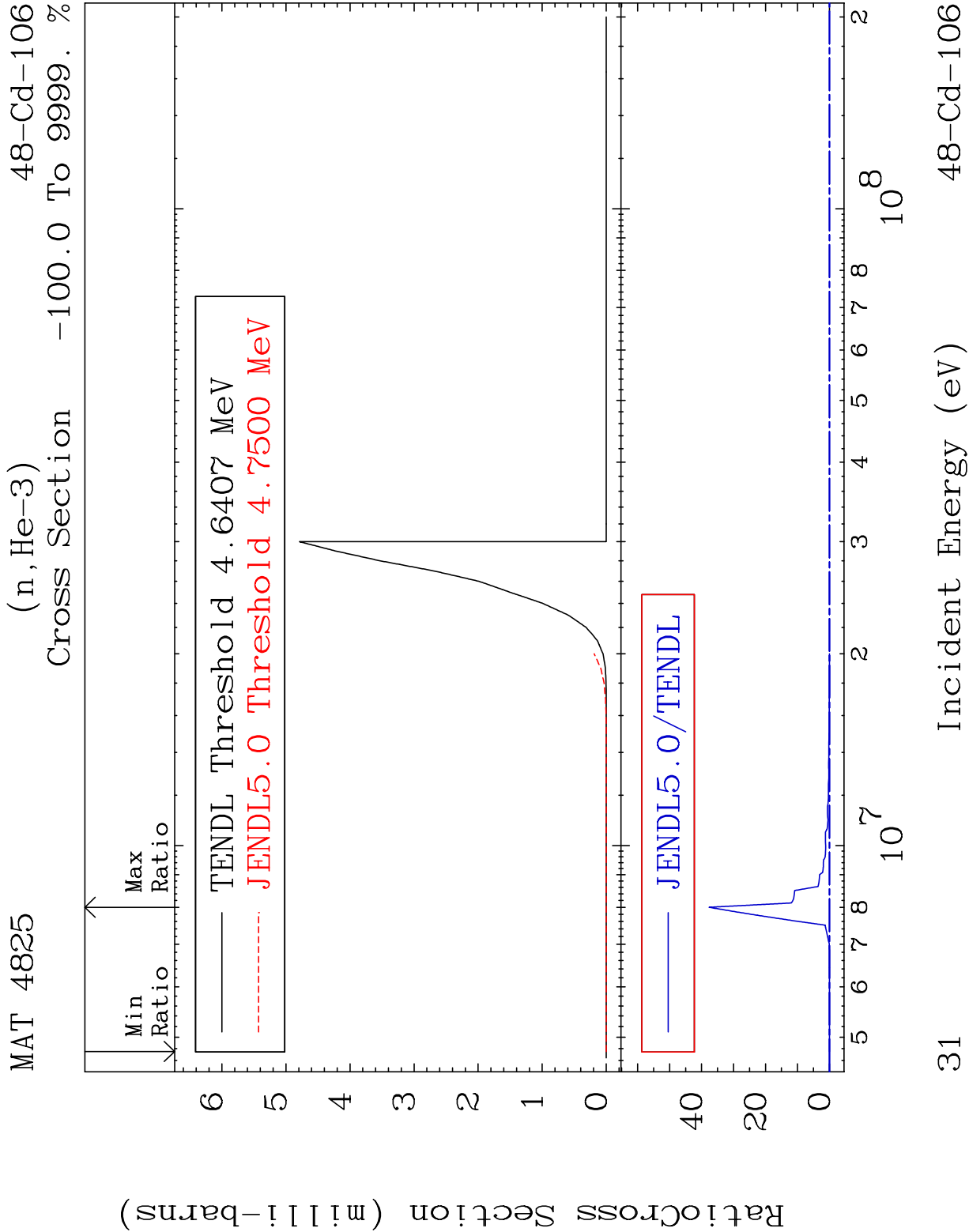


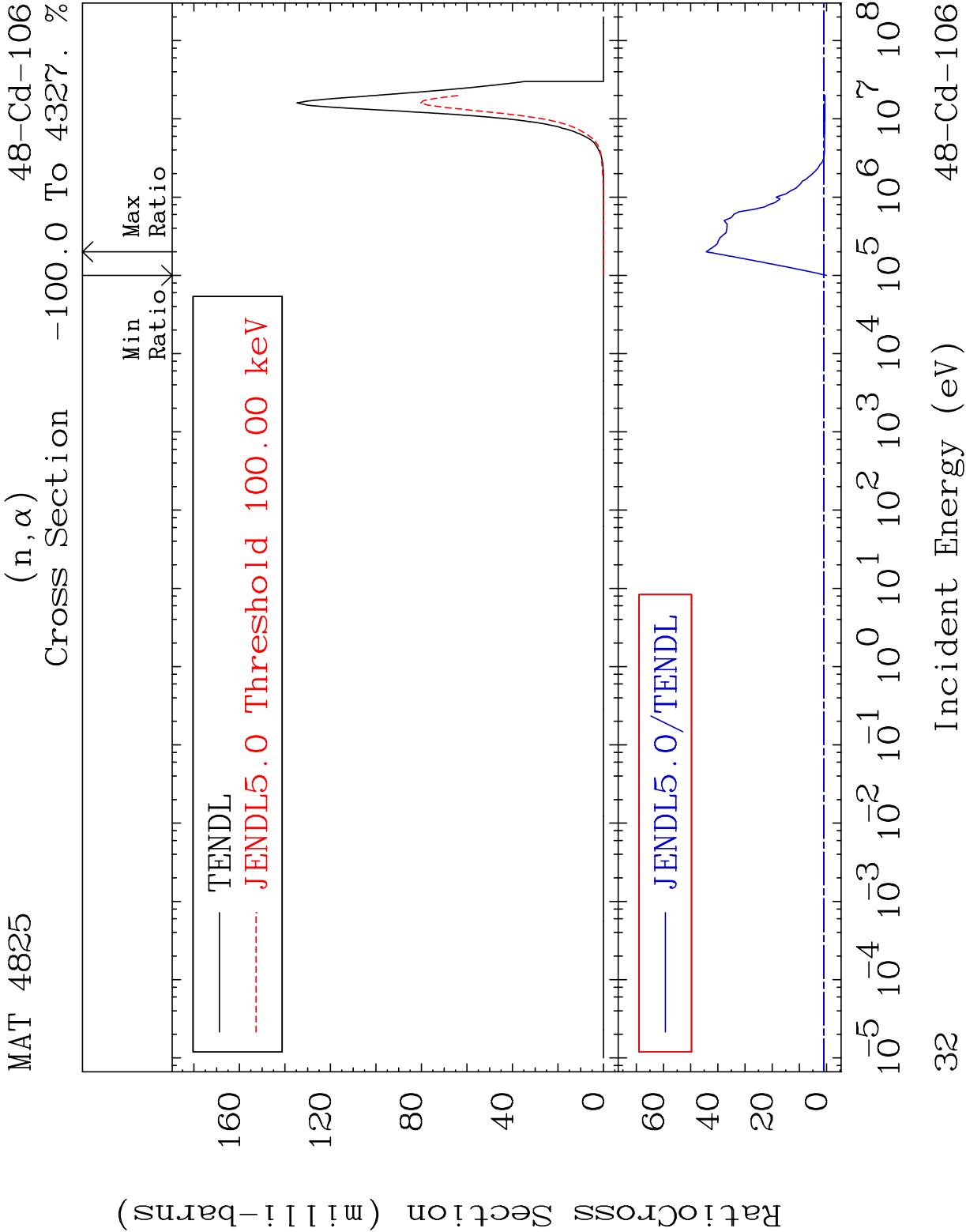




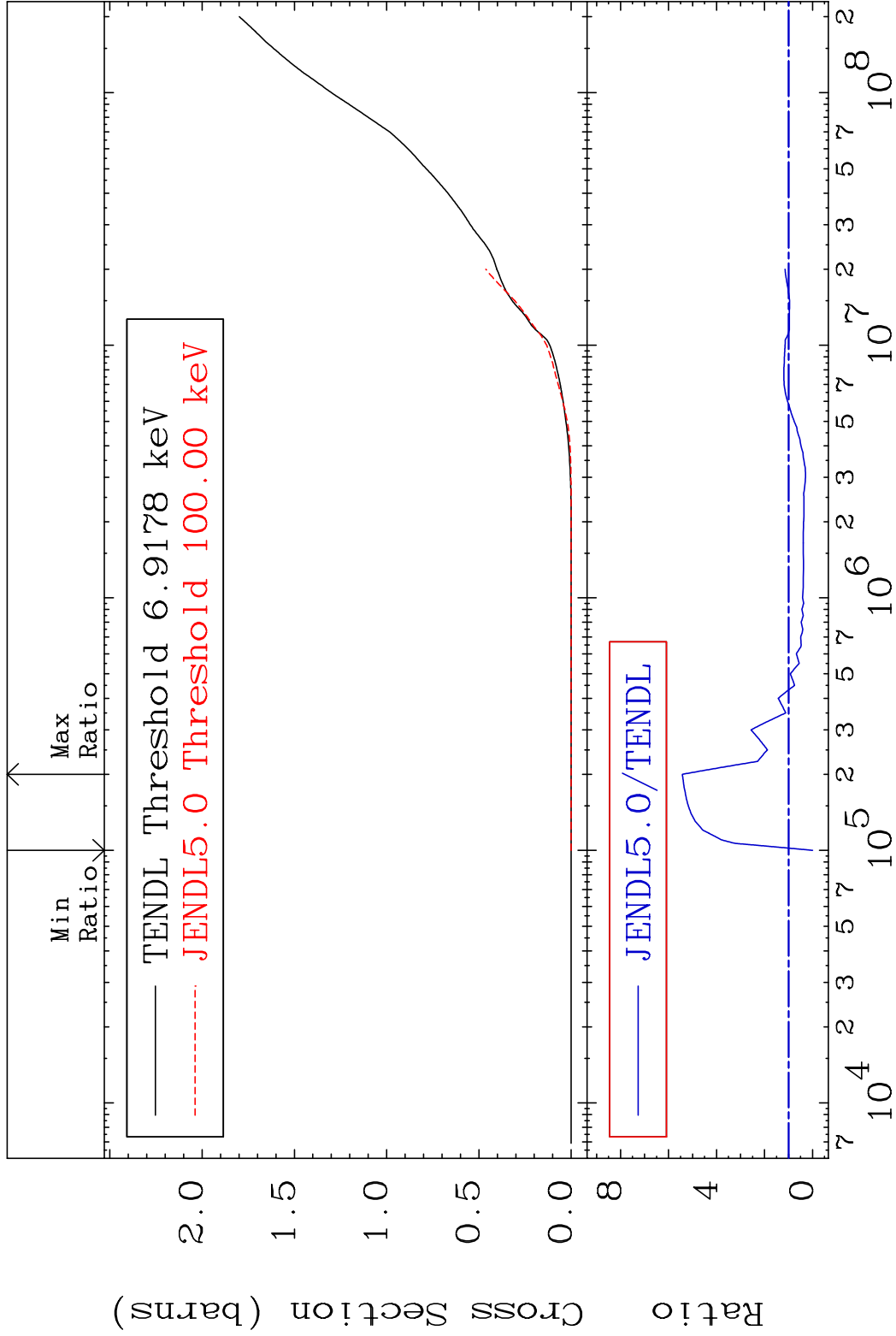




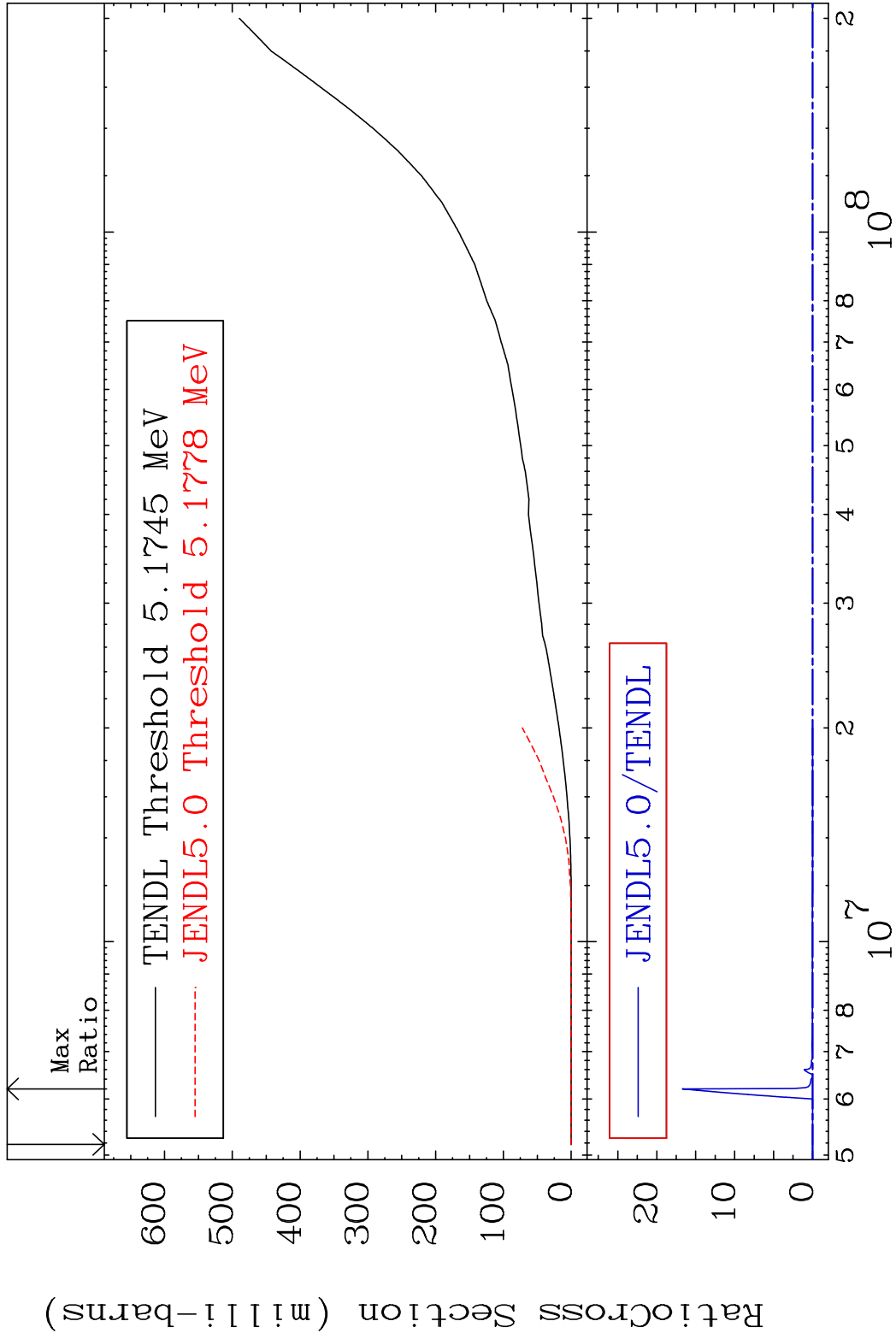




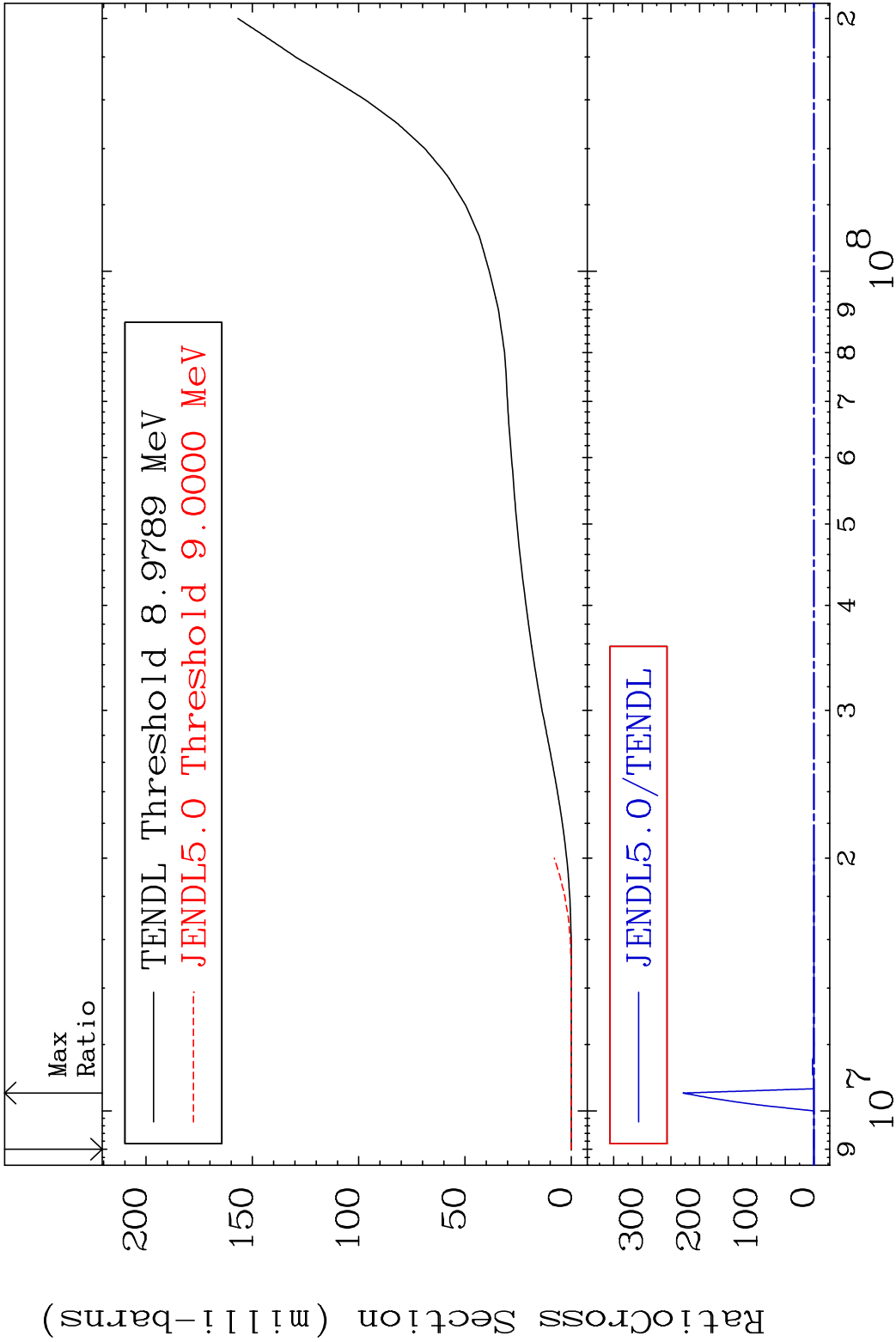
MAT 4825 Hydrogen Production 48-Cd-106
Cross Section -100.0 To 442.5 %



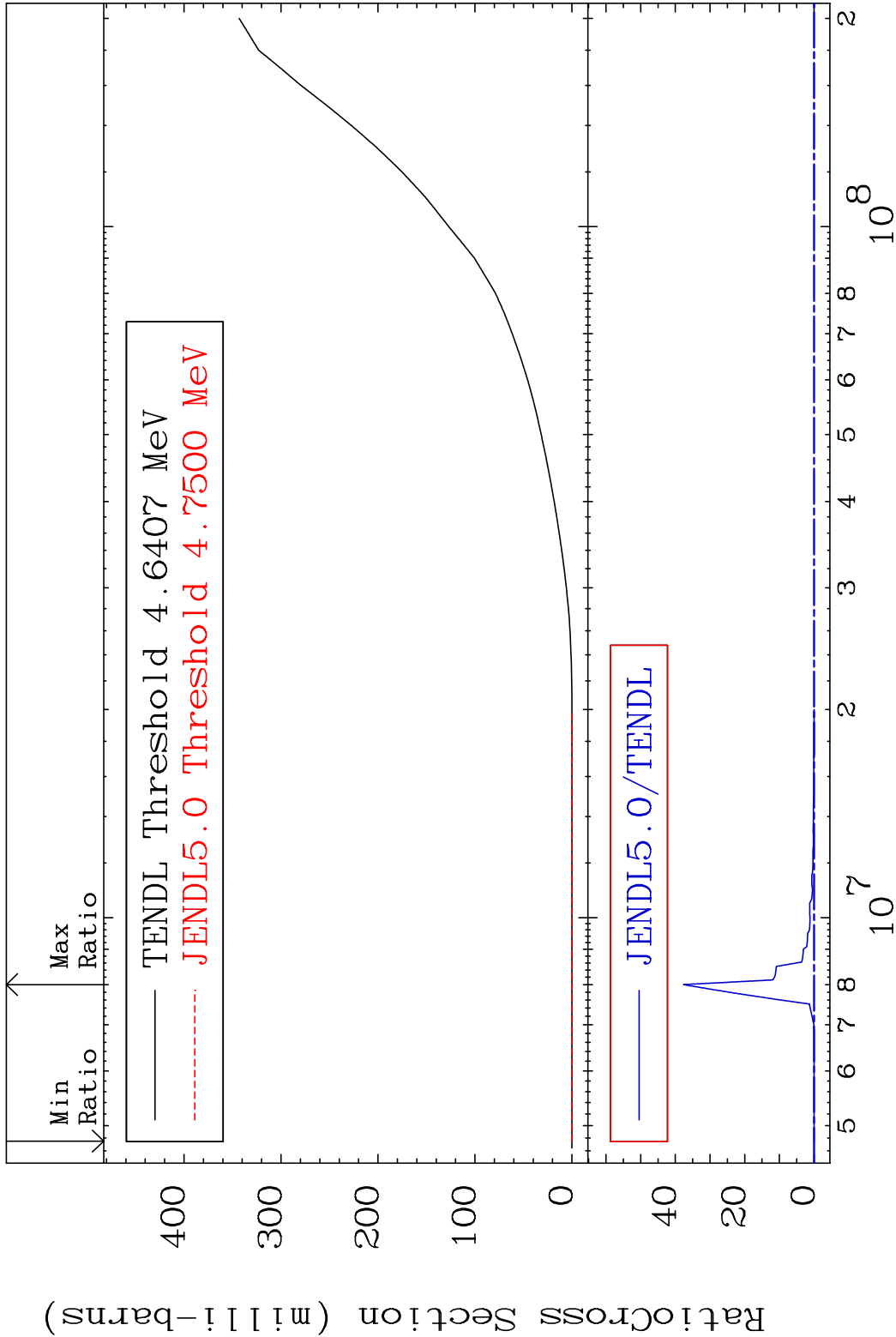
33 Incident Energy (eV) 48-Cd-106

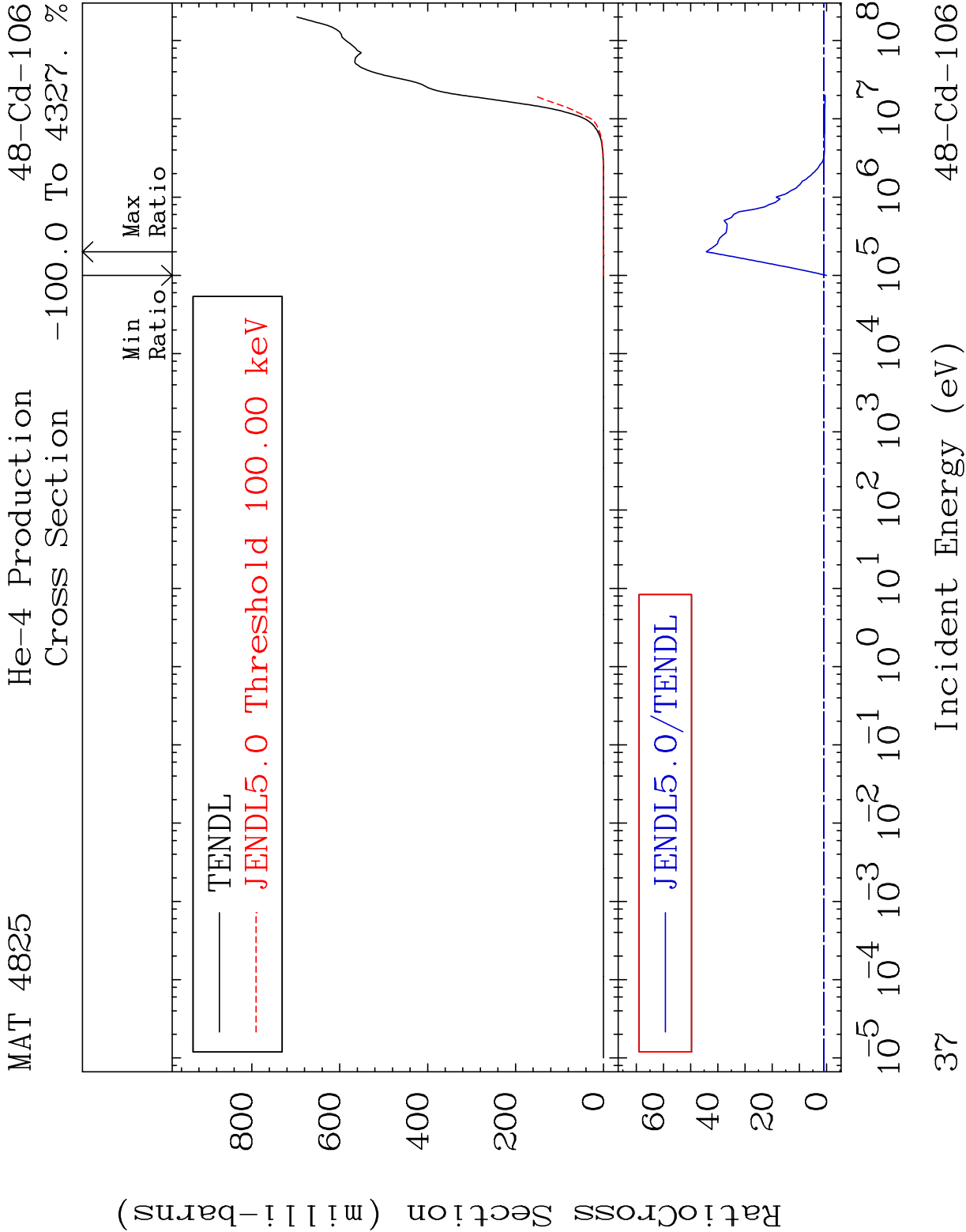


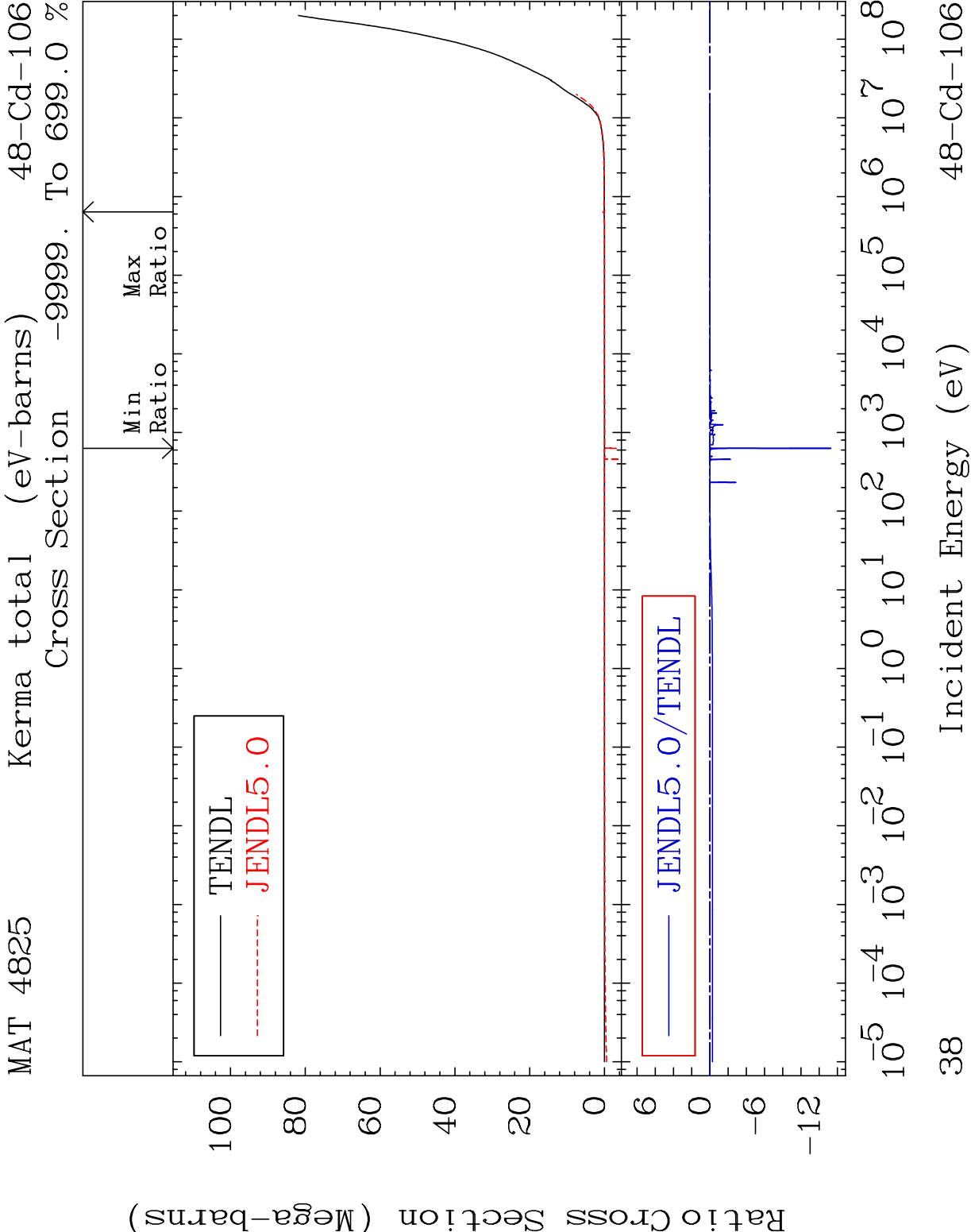
MAT 4825 Tritium Production 48-Cd-106
Cross Section -100.0 To 9999. %

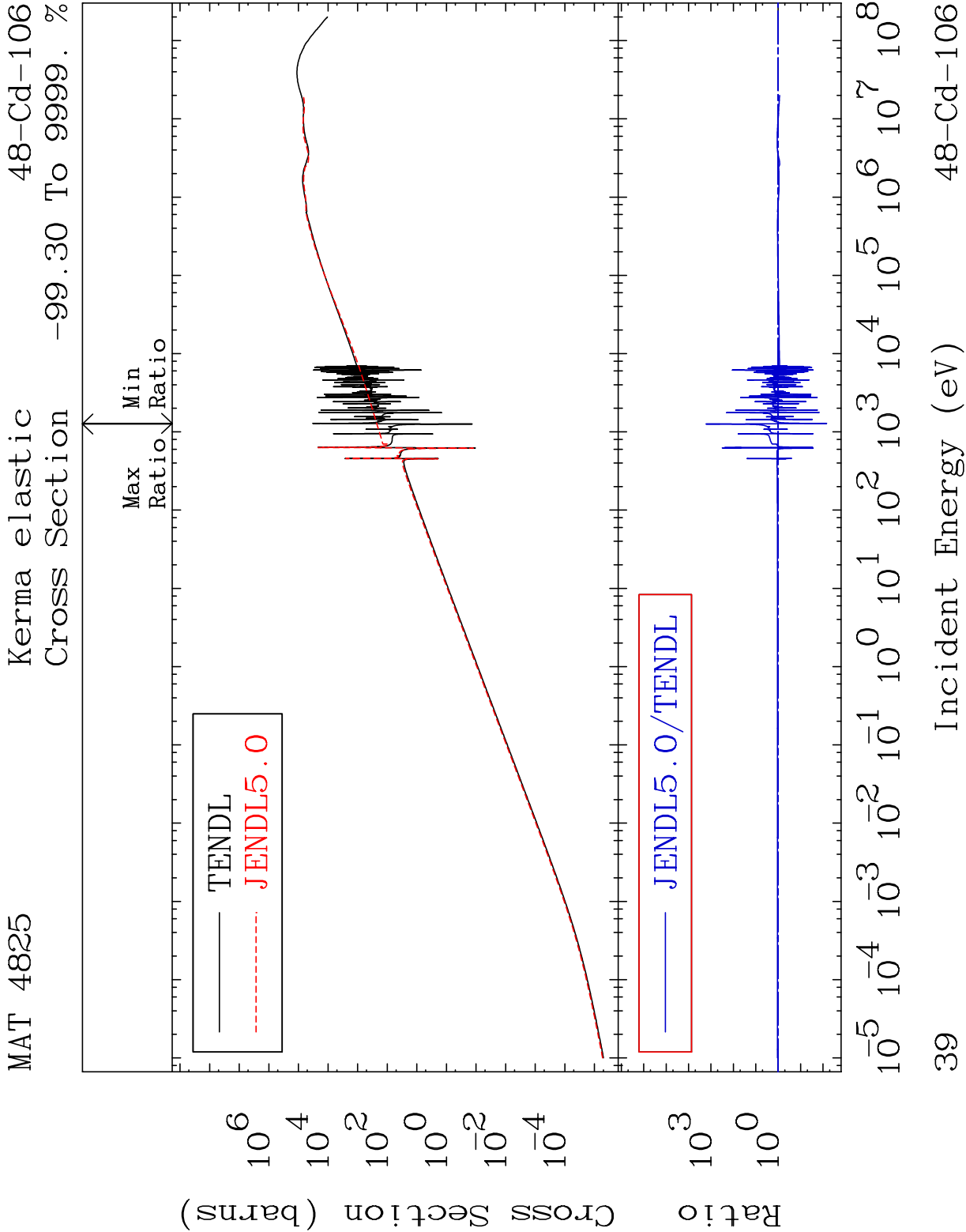


35 Incident Energy (eV) 48-Cd-106



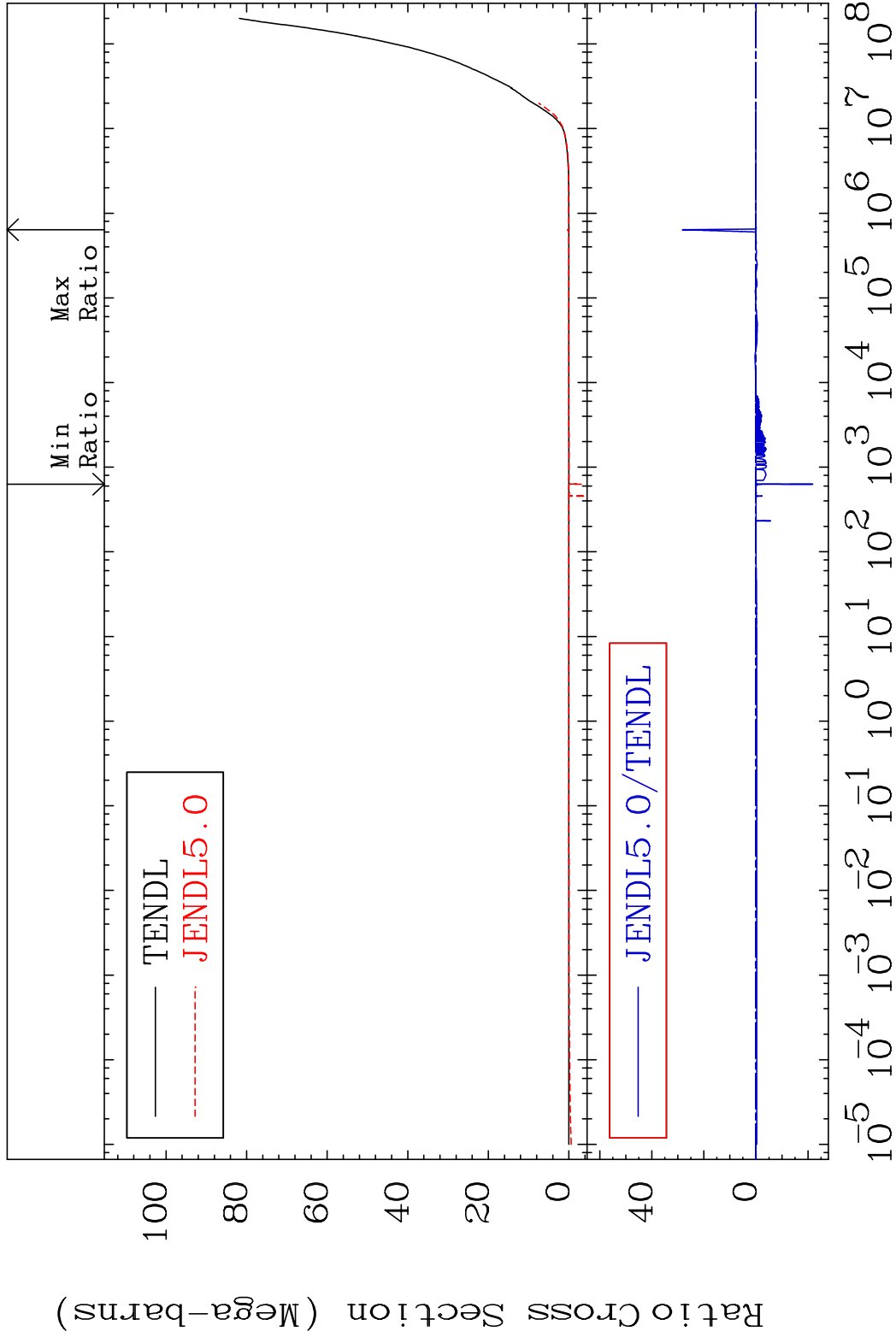




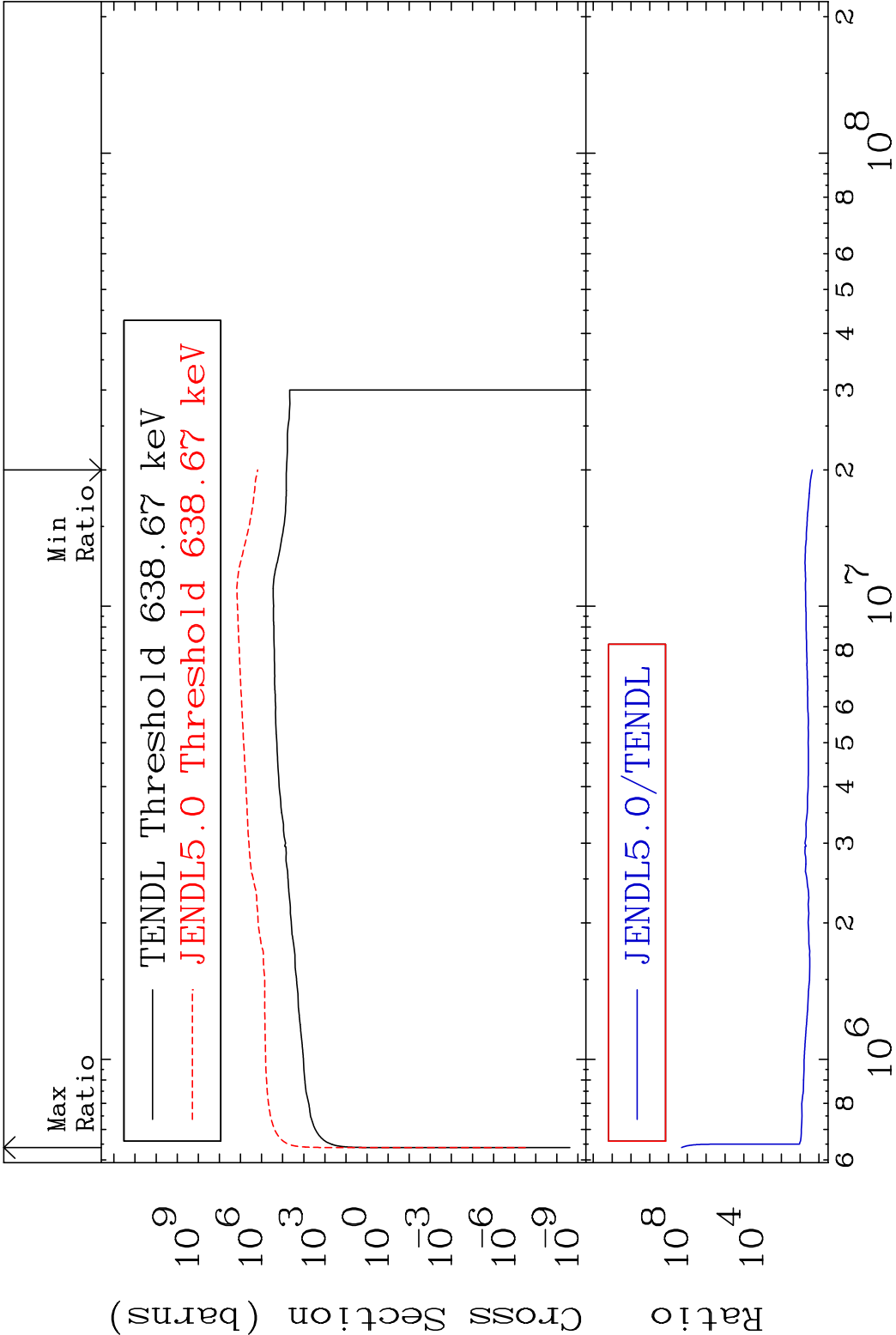


MAT 4825 Kerma non-elastic (all but mt2) 48-Cd-106

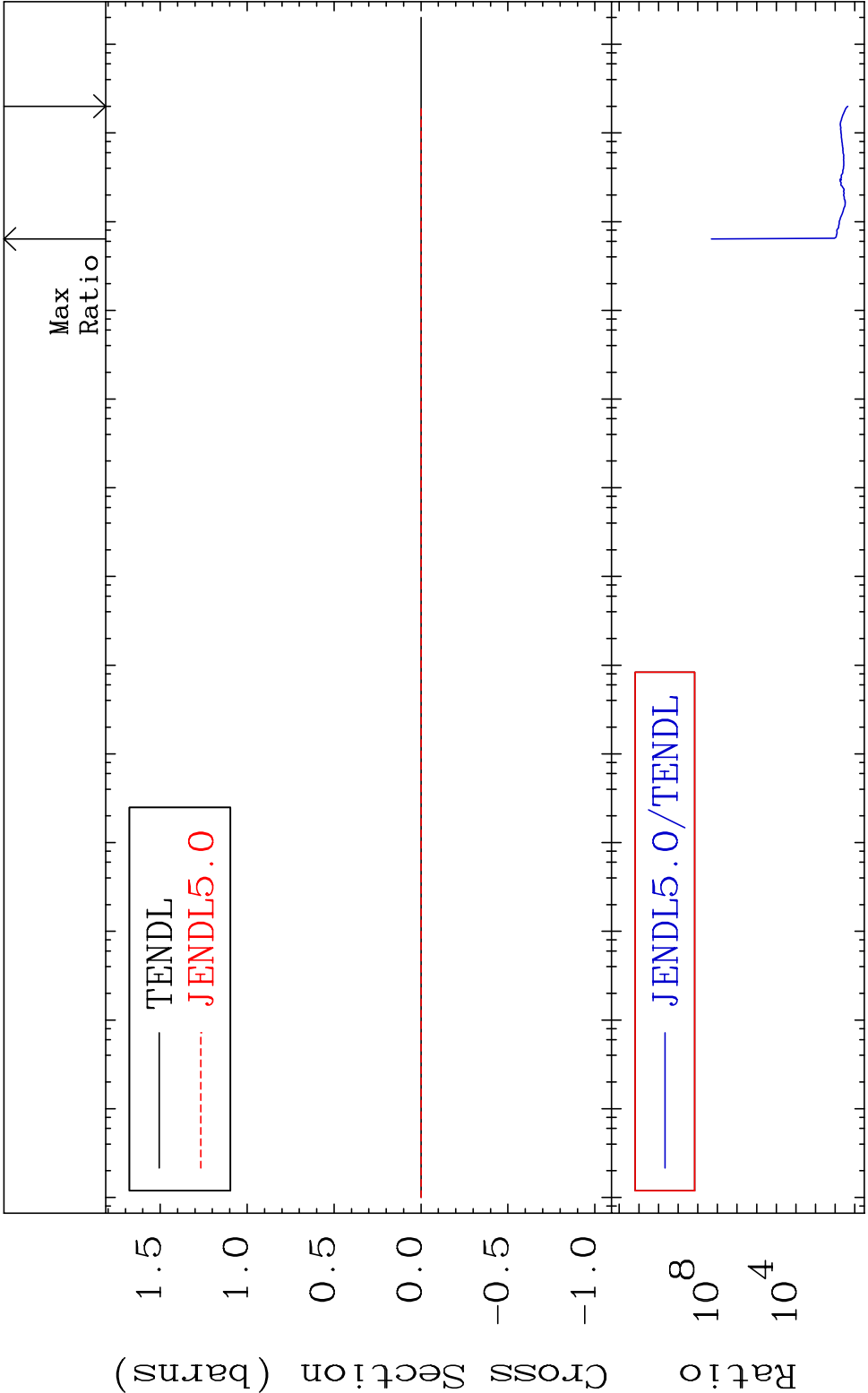
Cross Section -9999. To 9999. %



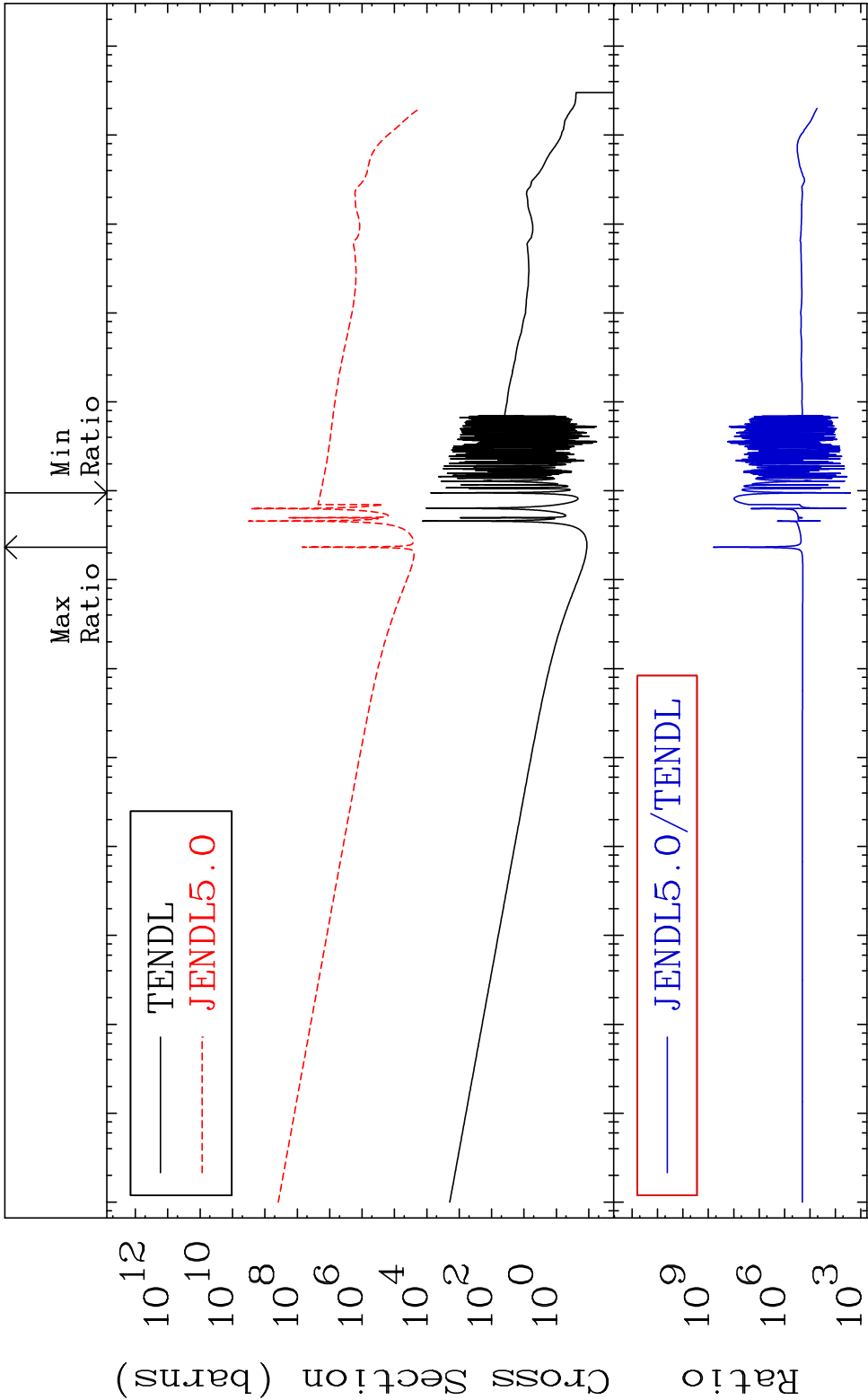
40 Incident Energy (eV) 48-Cd-106



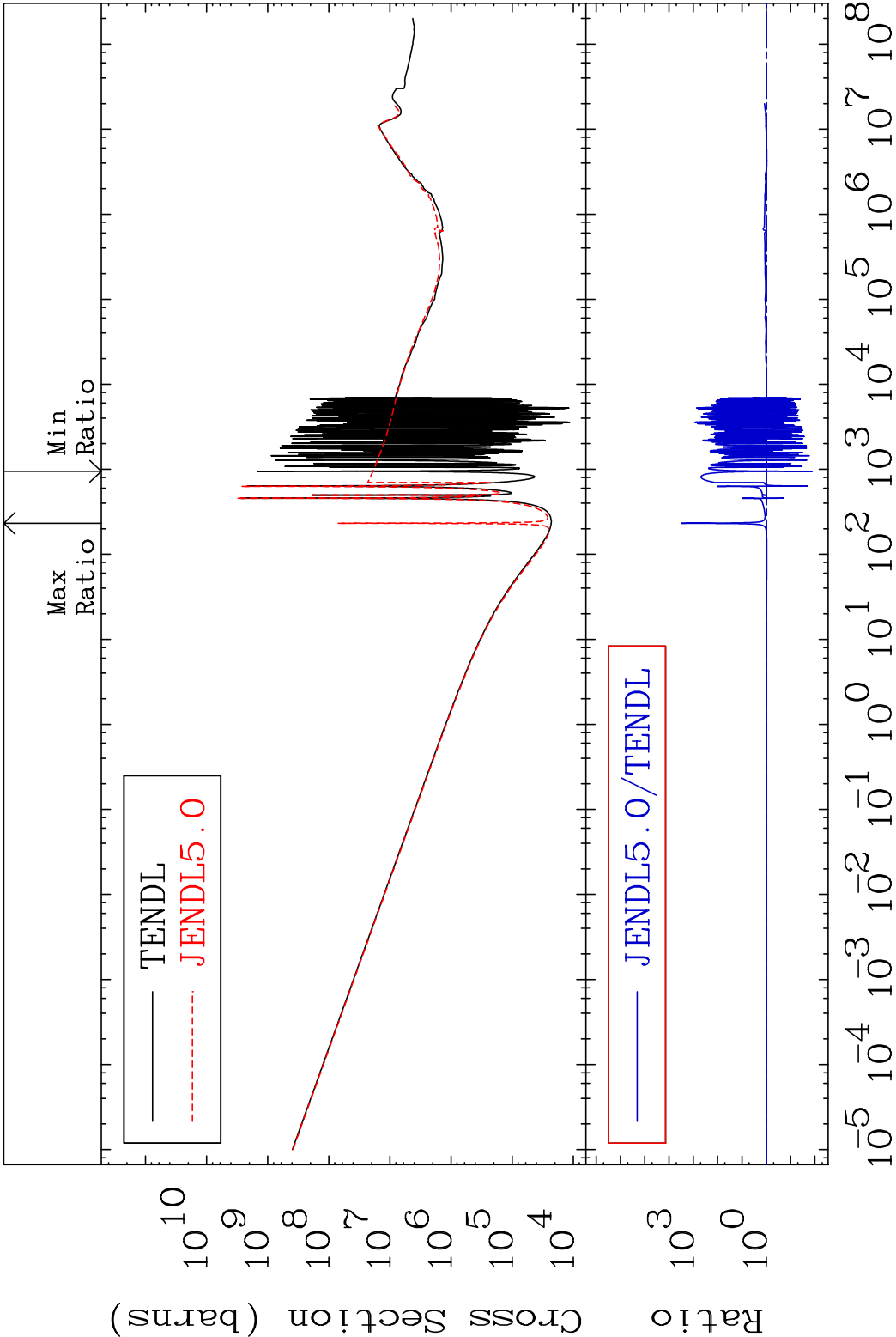
MAT 4825 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-106
Cross Section 2200. To 9999. %



42 48-Cd-106

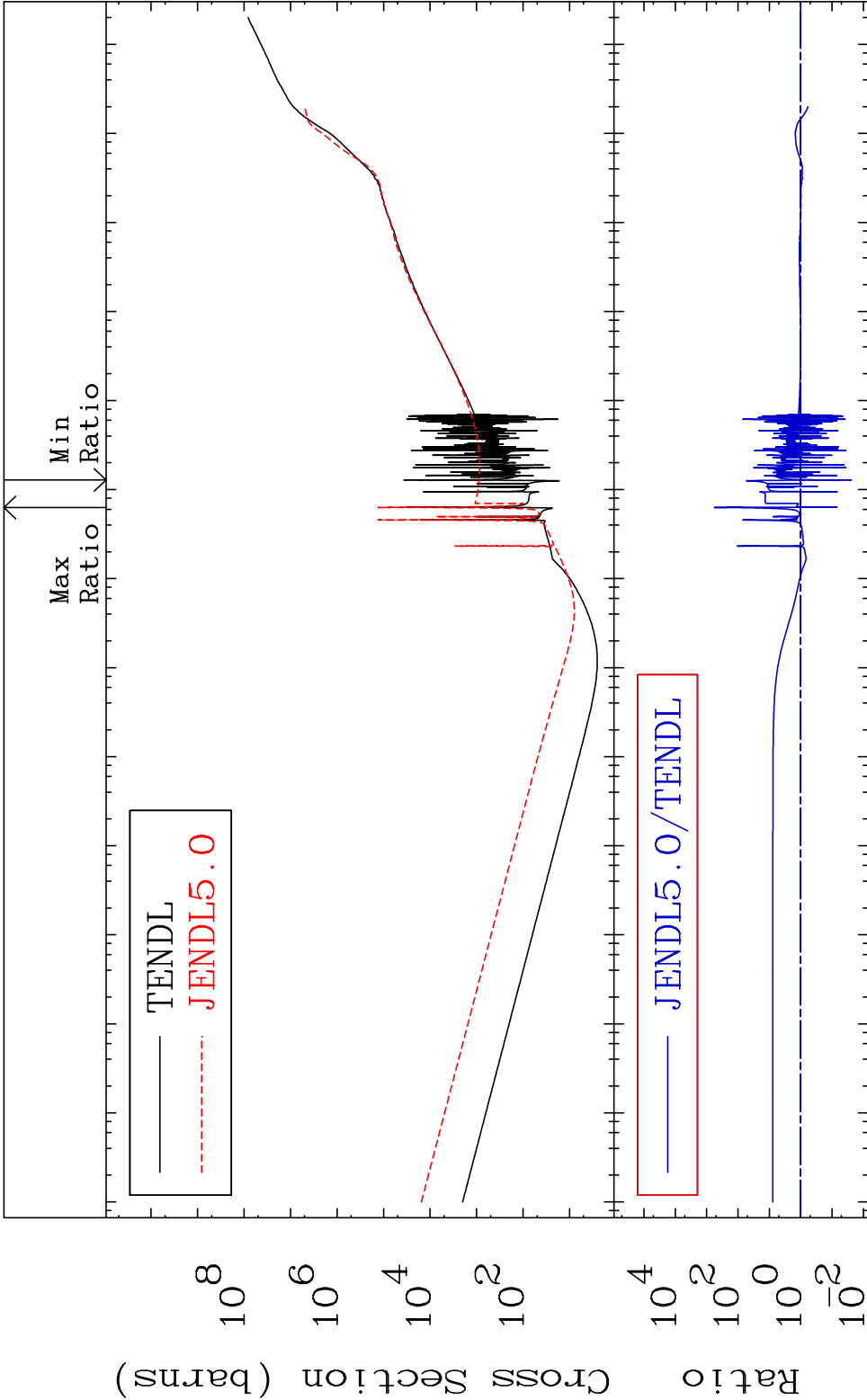


MAT 4825 Total photon (eV-barns) 48-Cd-106
Cross Section -98.73 To 9999. %



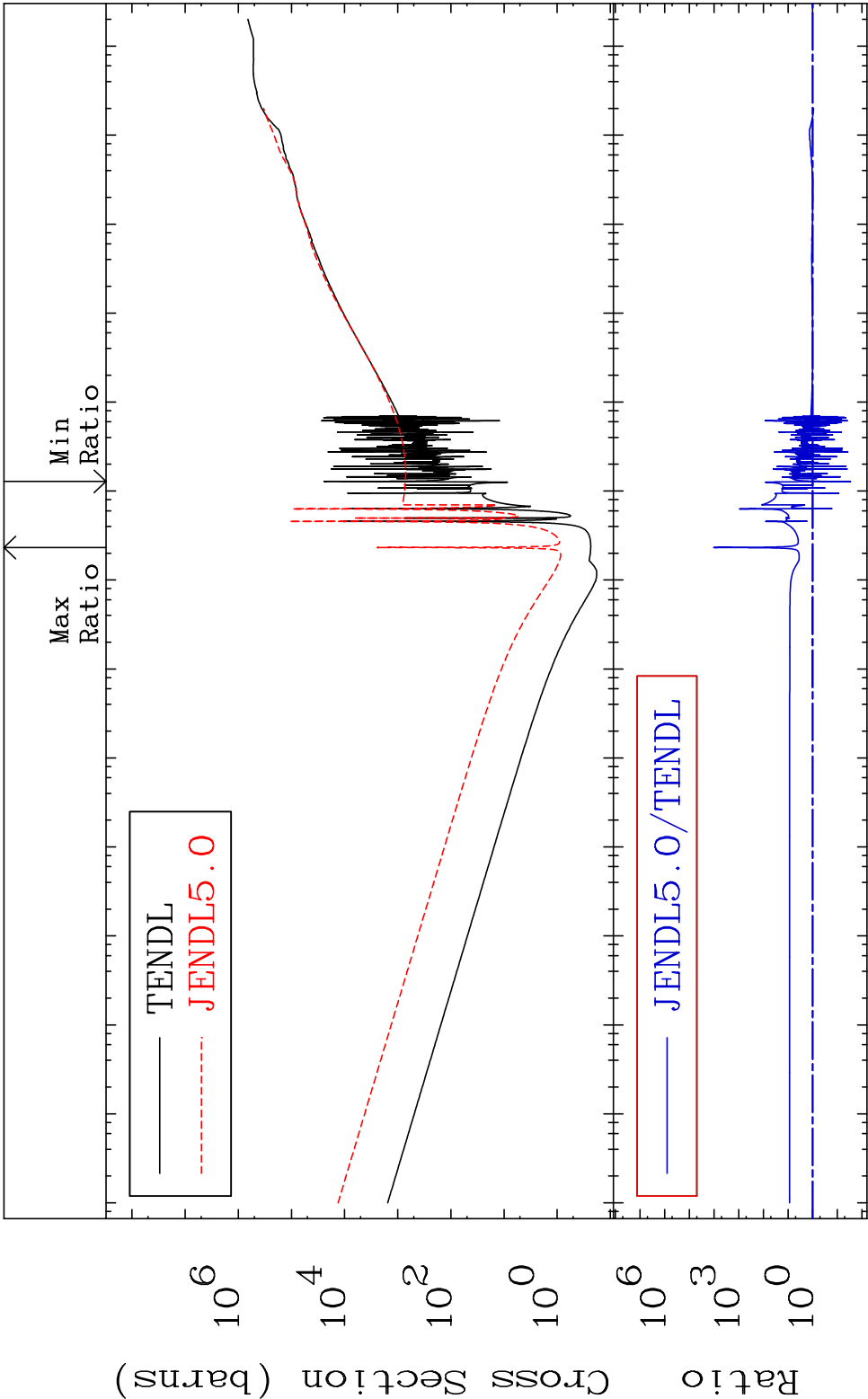
44 Incident Energy (eV) 48-Cd-106

MAT 4825 Total kinematic kerma (high limit) 48-Cd-106
Cross Section -97.54 To 9999. %



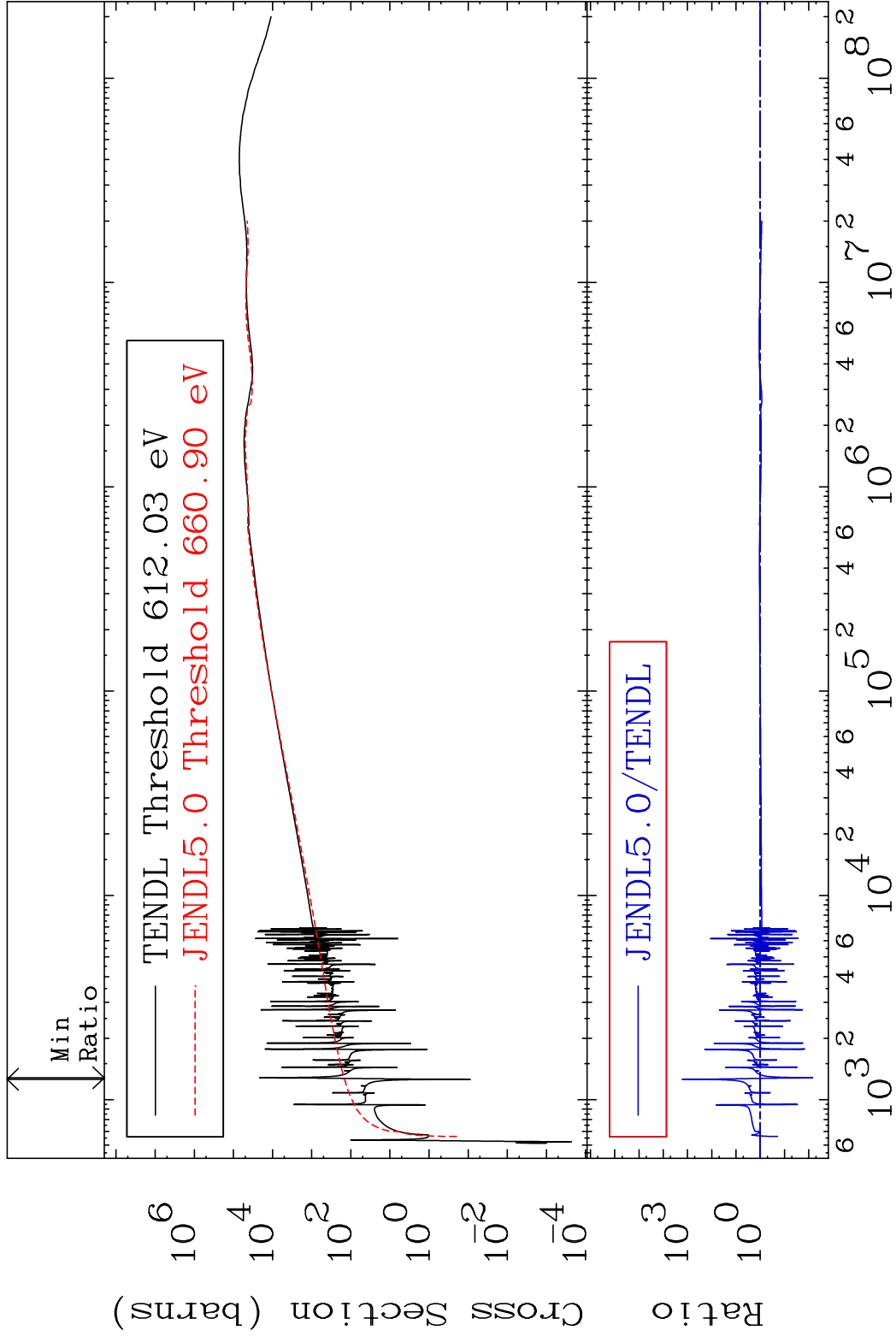
45 Incident Energy (eV) 48-Cd-106

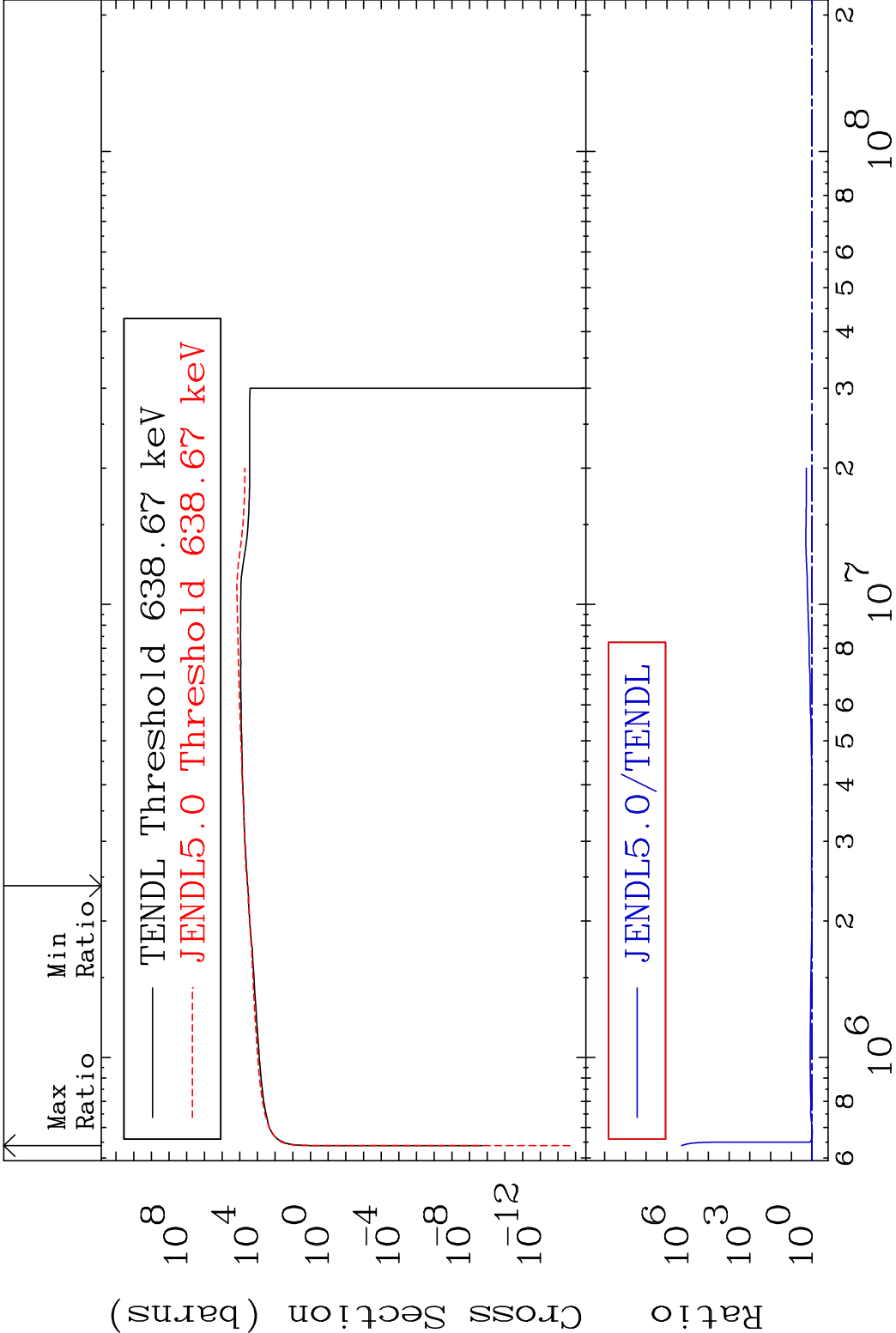
MAT 4825 Dpa total (eV-barns) 48-Cd-106
Cross Section -97.03 To 9999. %



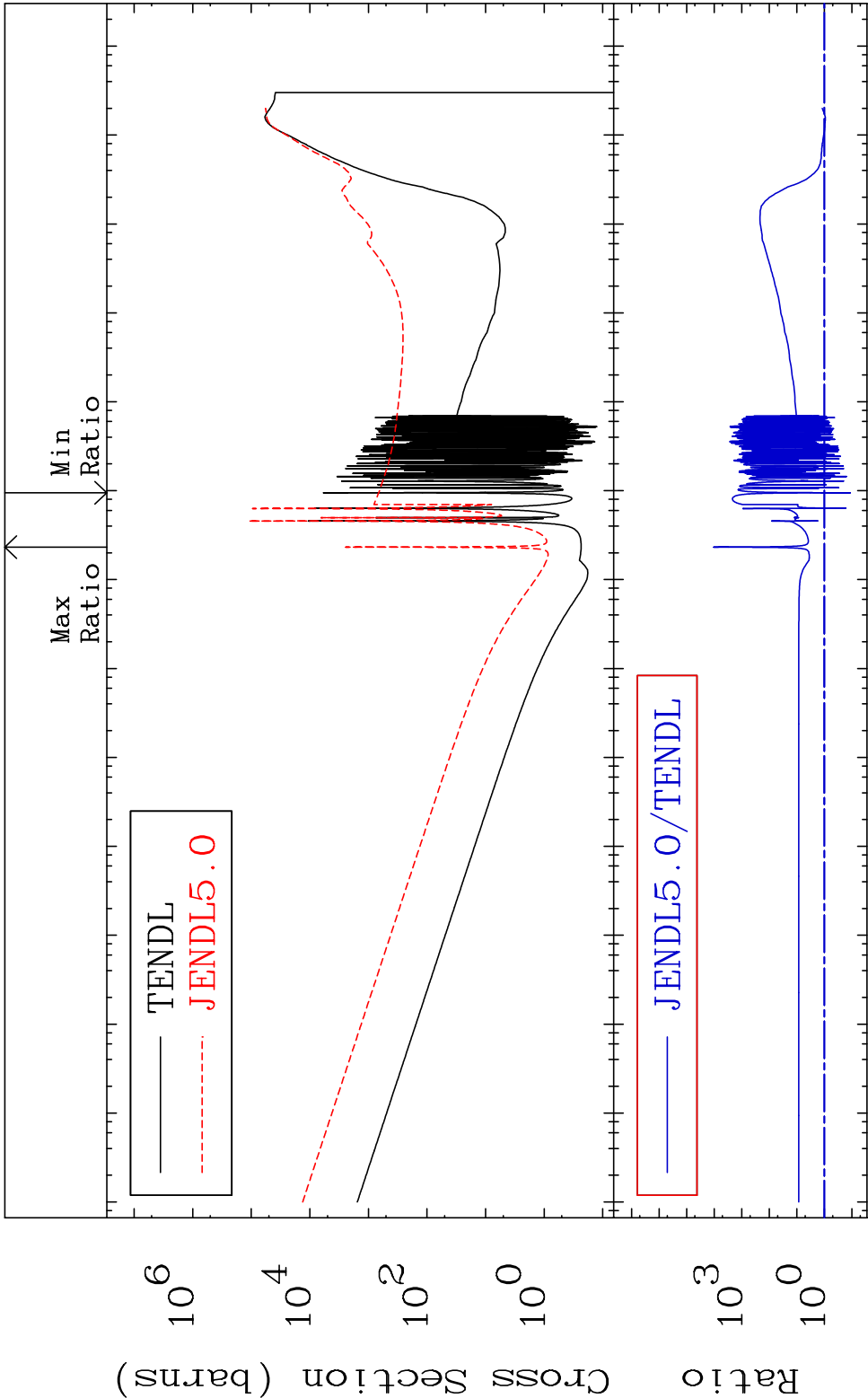
46 Incident Energy (eV) 48-Cd-106

MAT 4825 Dpa elastic (mt2) 48-Cd-106
Cross Section -99.30 To 9999. %



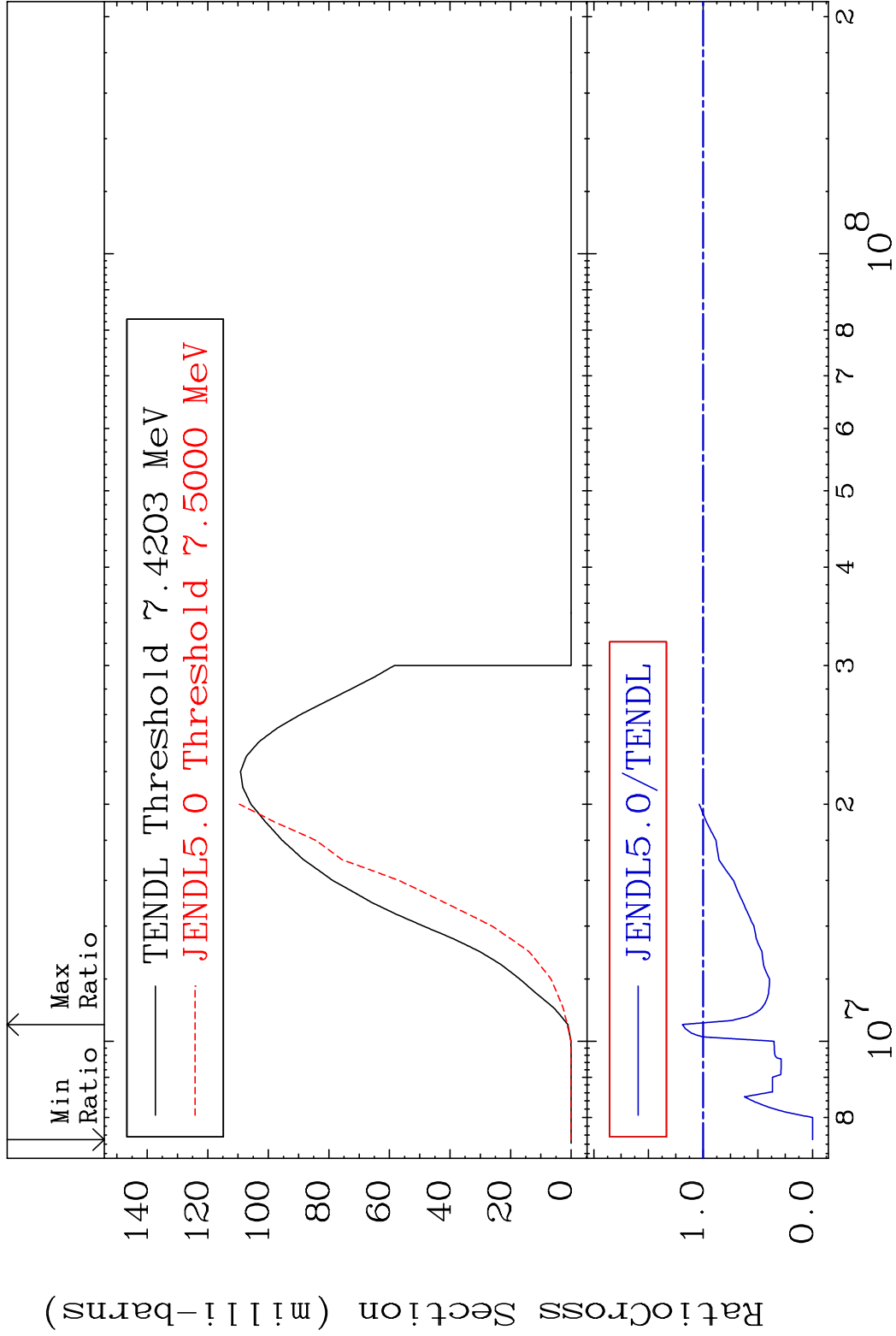


MAT 4825 Dpa disappearance (mt102 -120) 48-Cd-106
Cross Section -88.61 To 9999. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

49 Incident Energy (eV) 48-Cd-106



Radionuclide Production Cross Section 180.0 mb 9.250 %

