

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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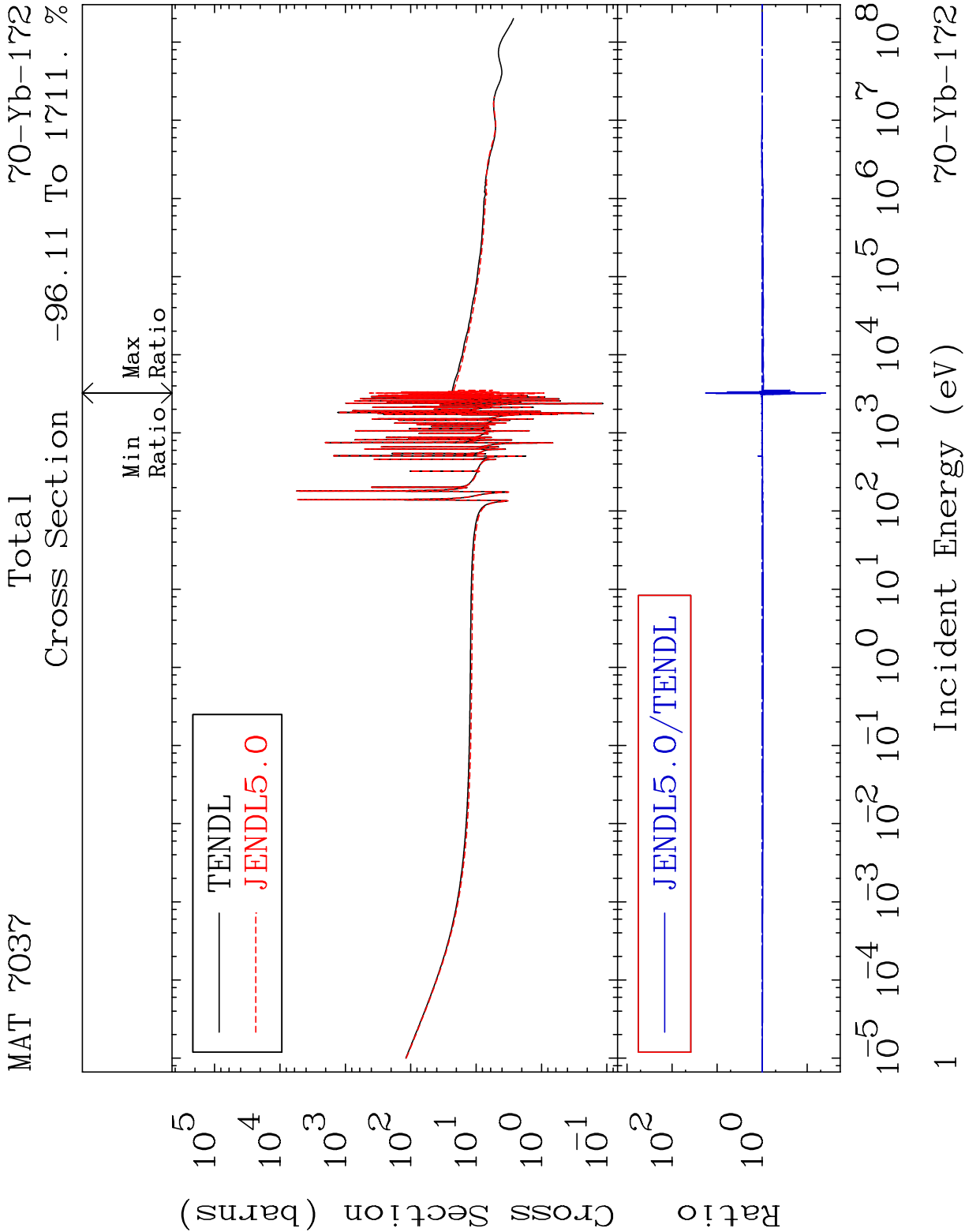
U.S.A.

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Press Mouse Button to Start

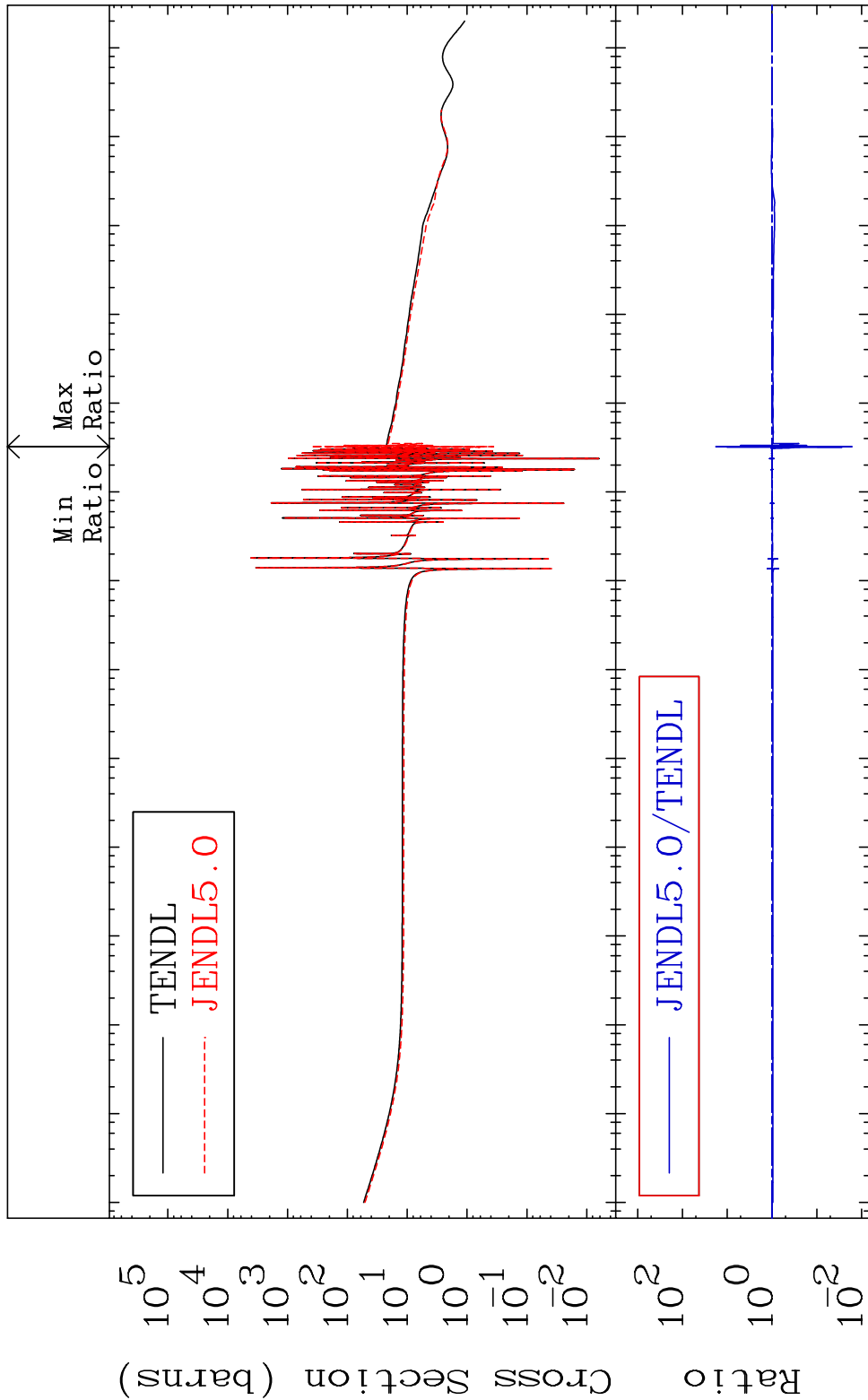


MAT 7037

Elastic

70-Yb-172

Cross Section -98.38 To 1711. %

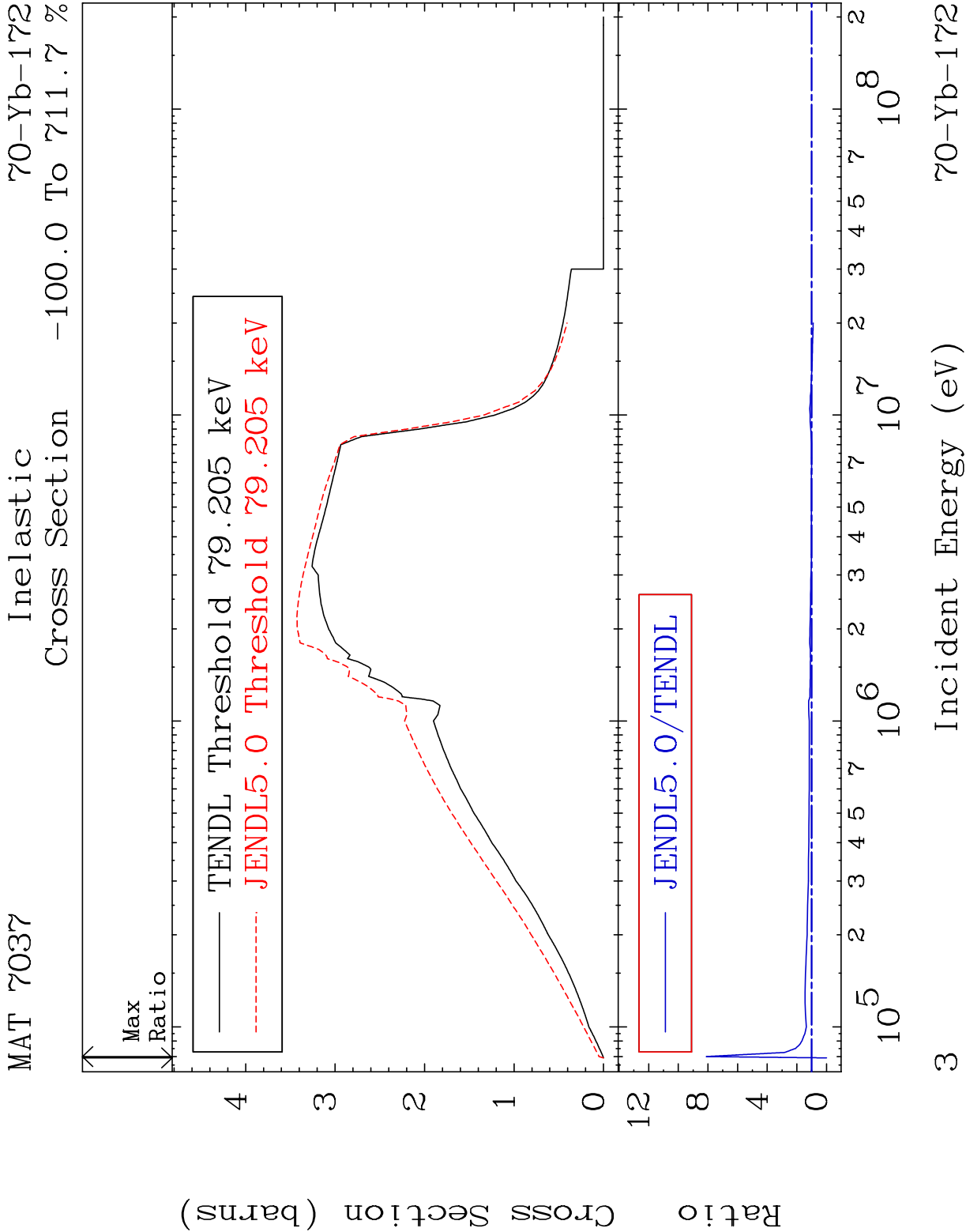


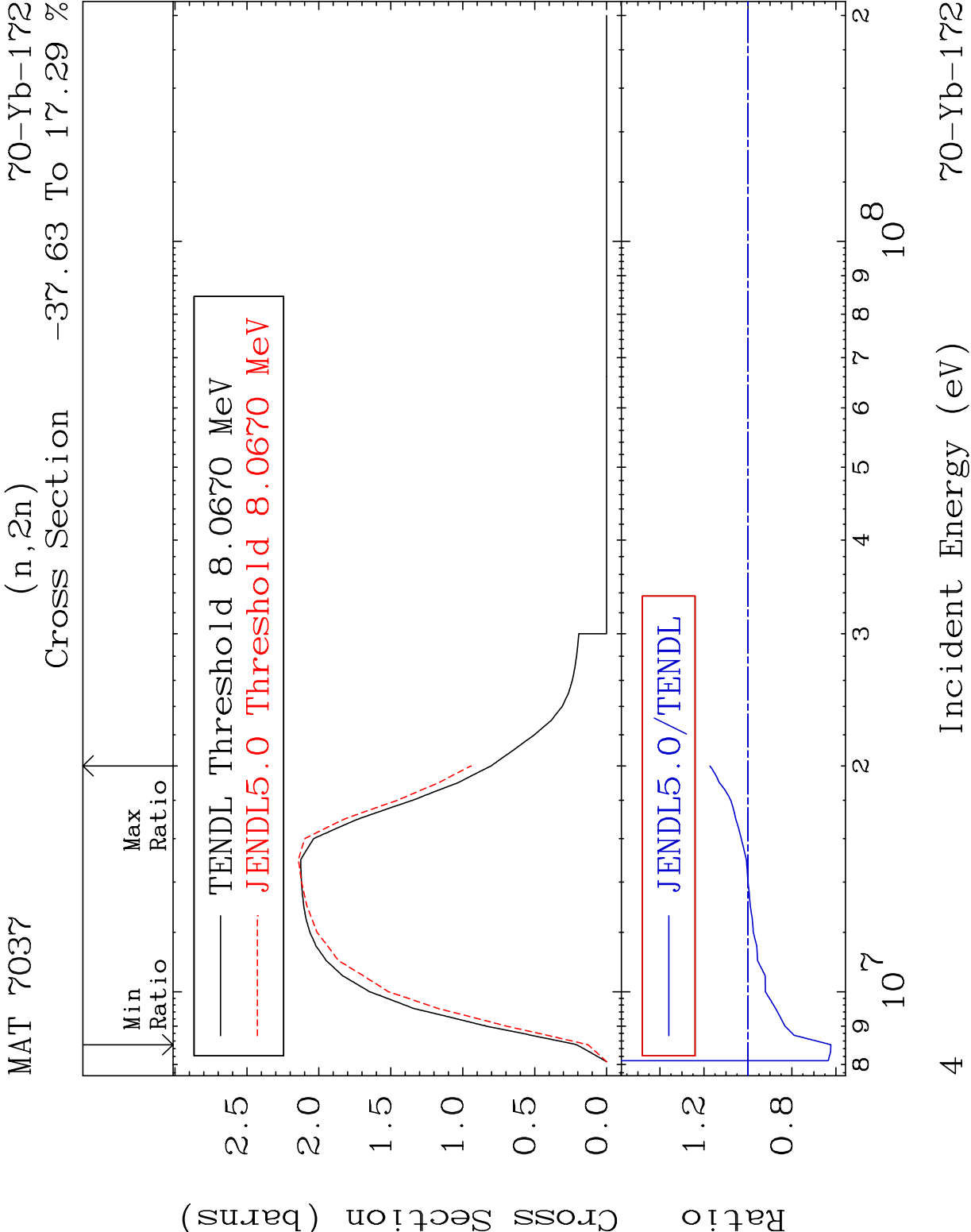
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

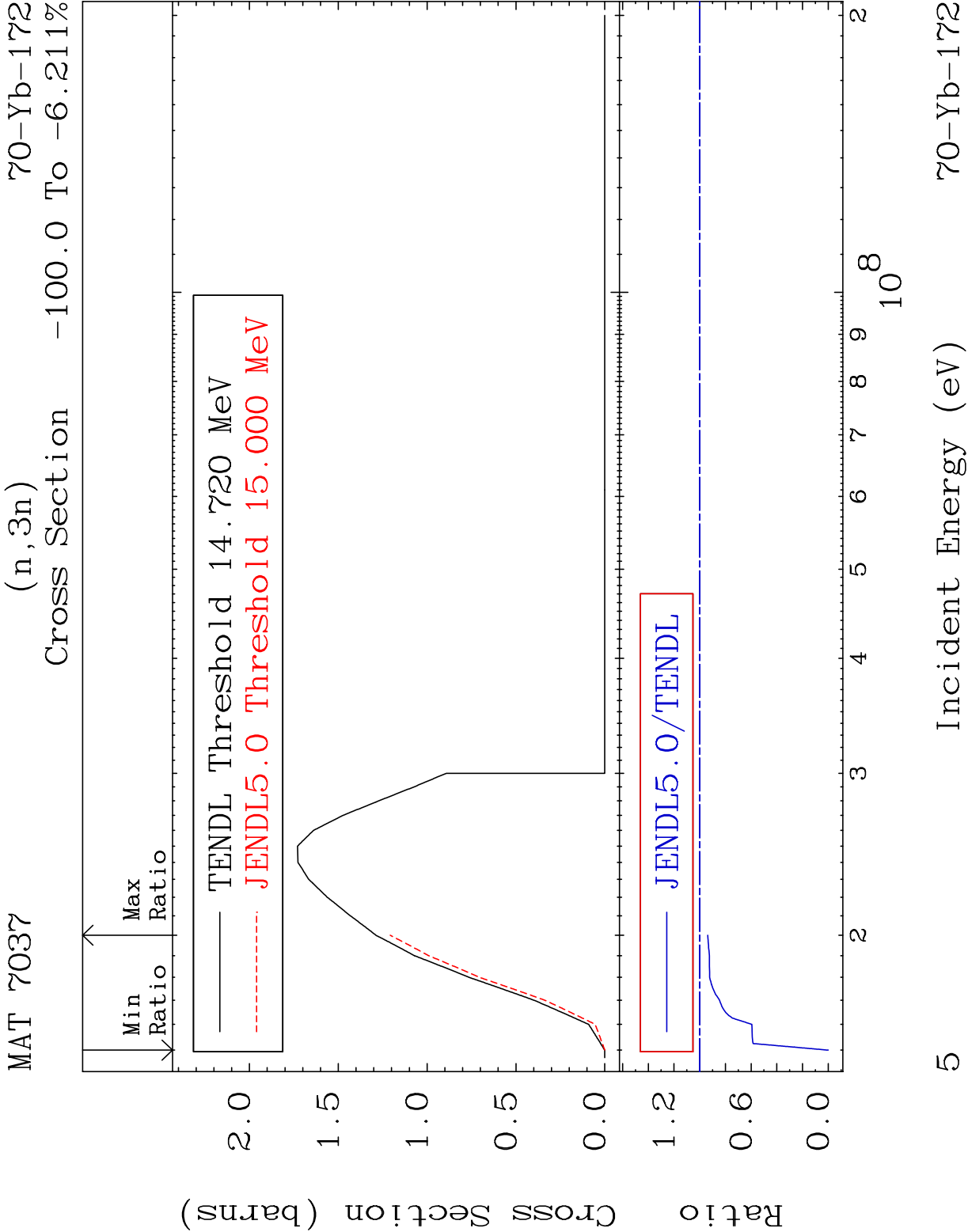
2

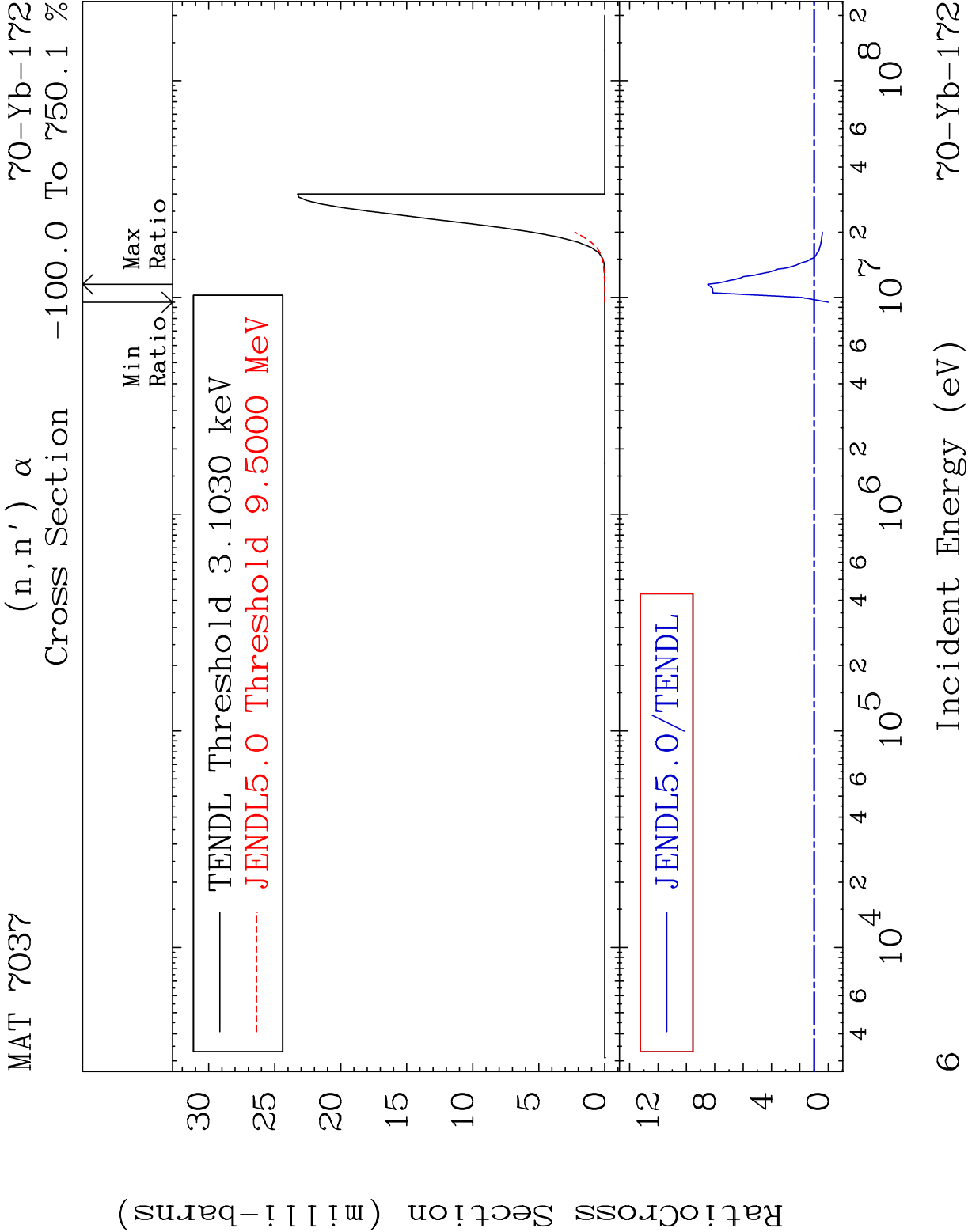
Incident Energy (eV)

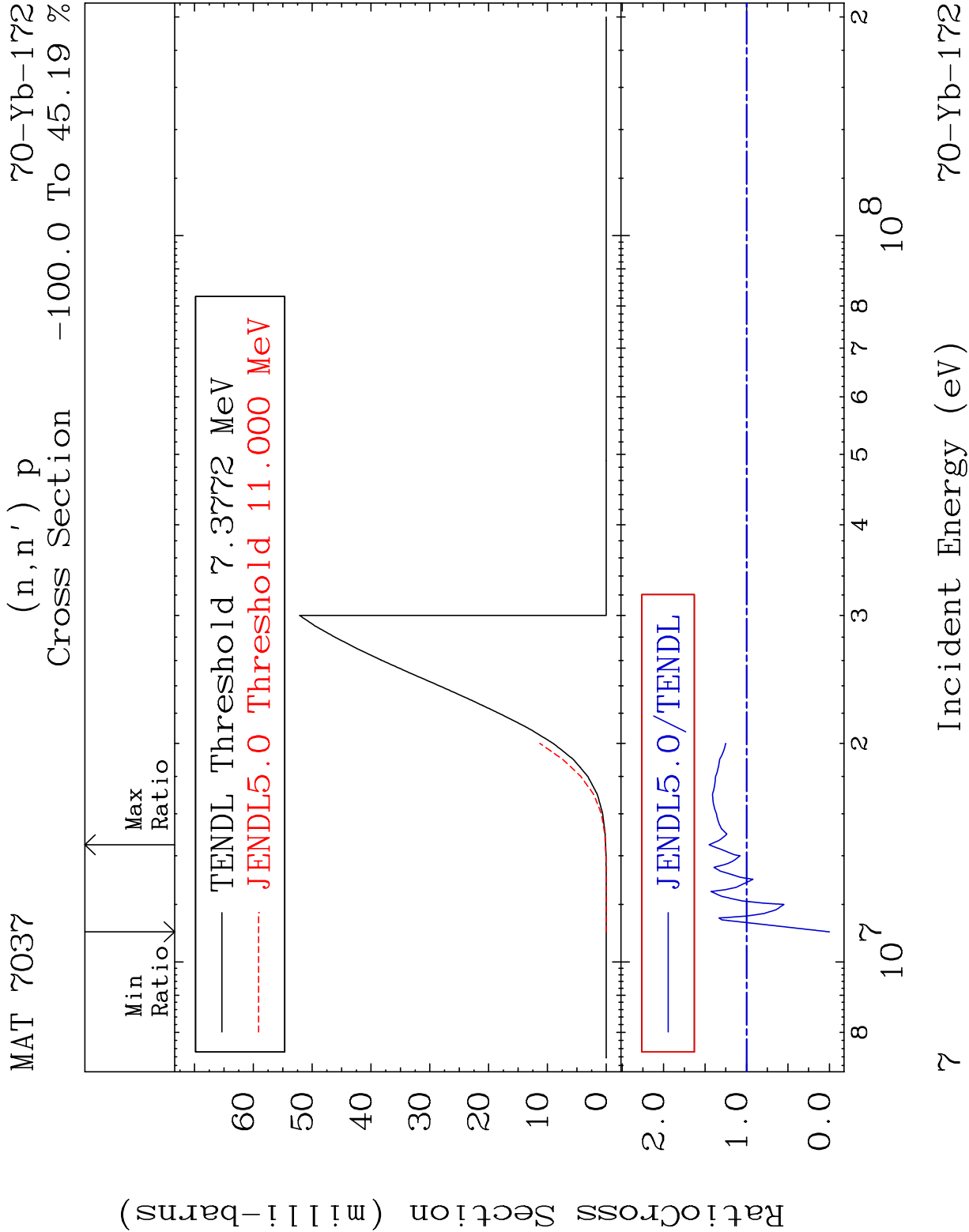
70-Yb-172

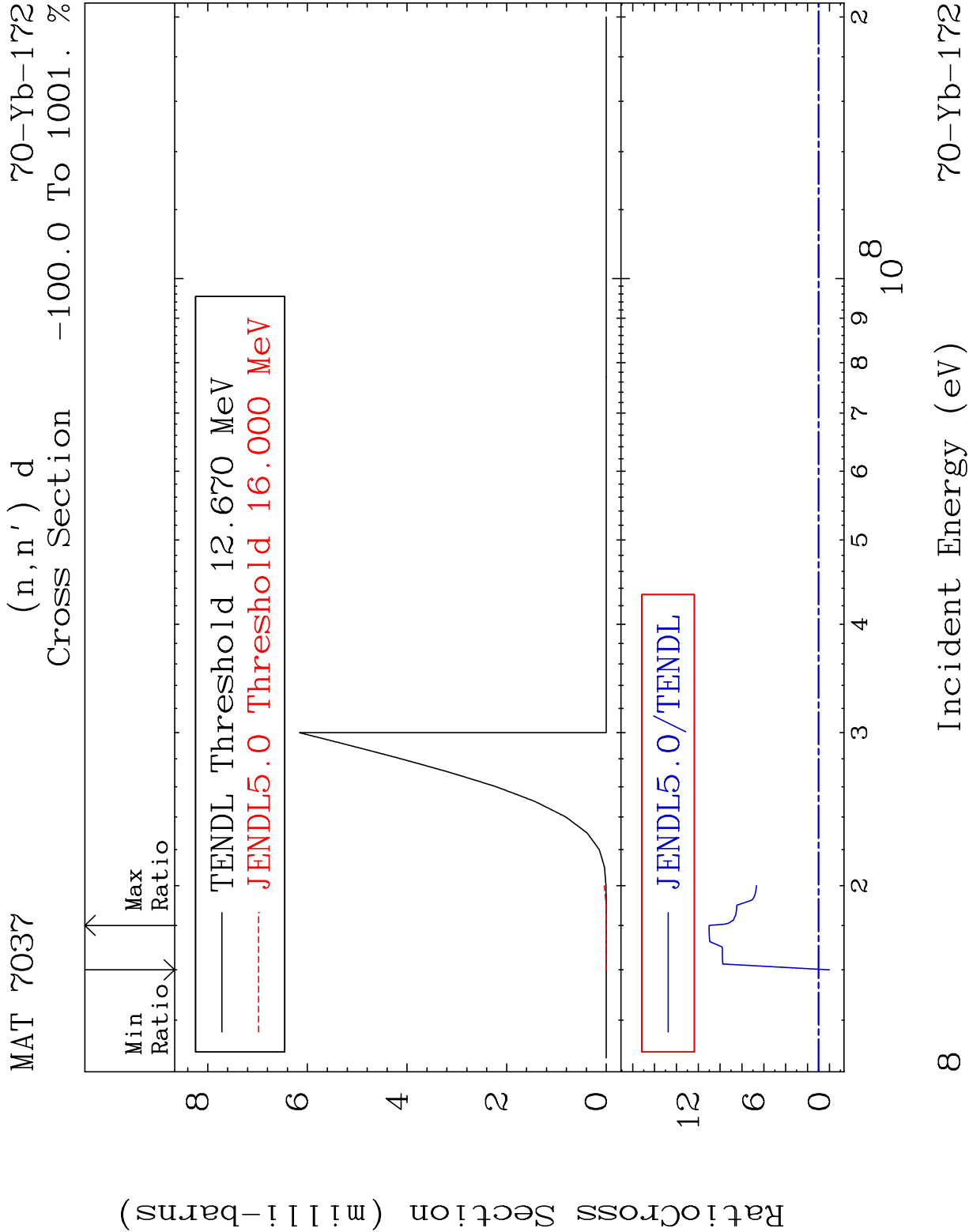




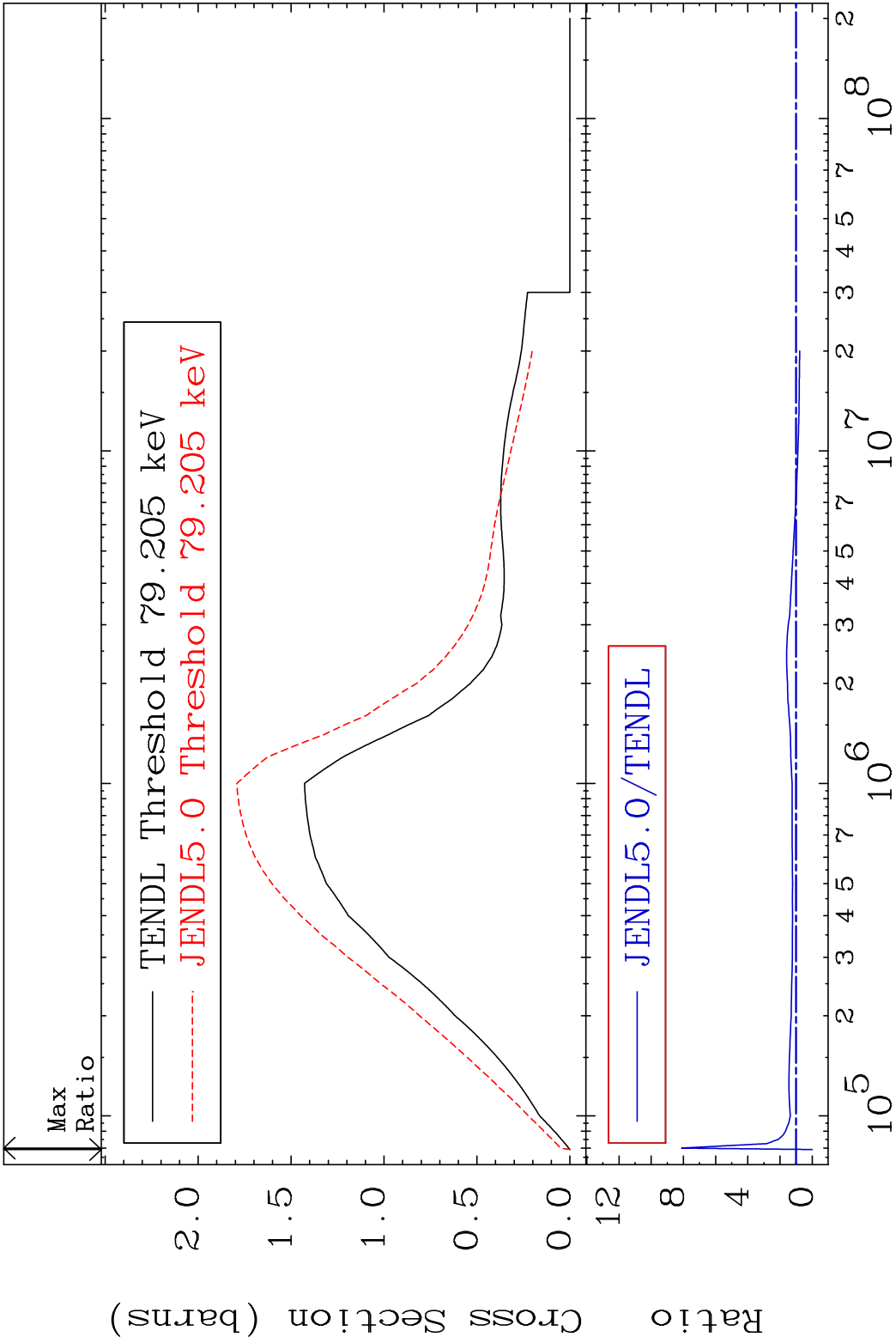




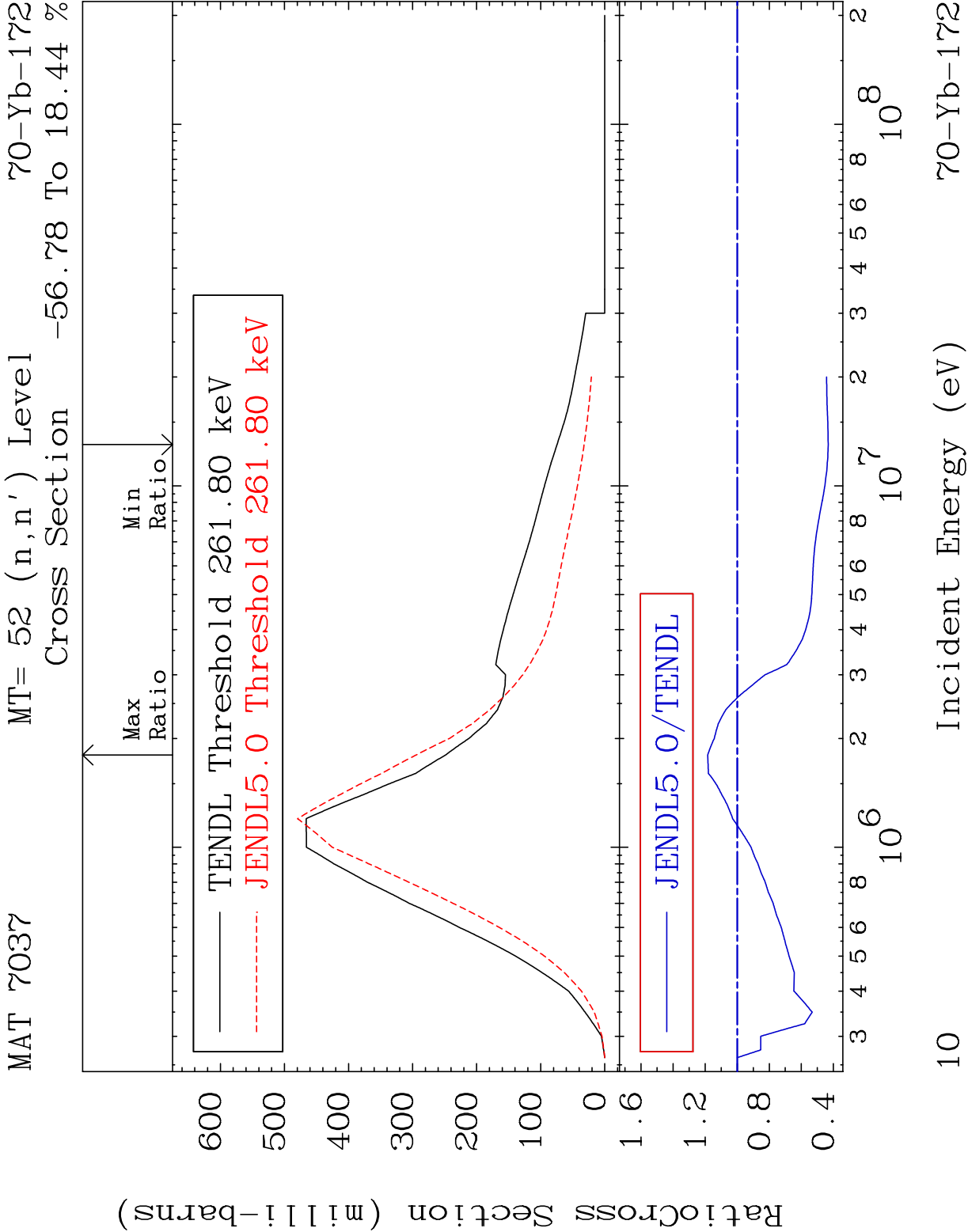


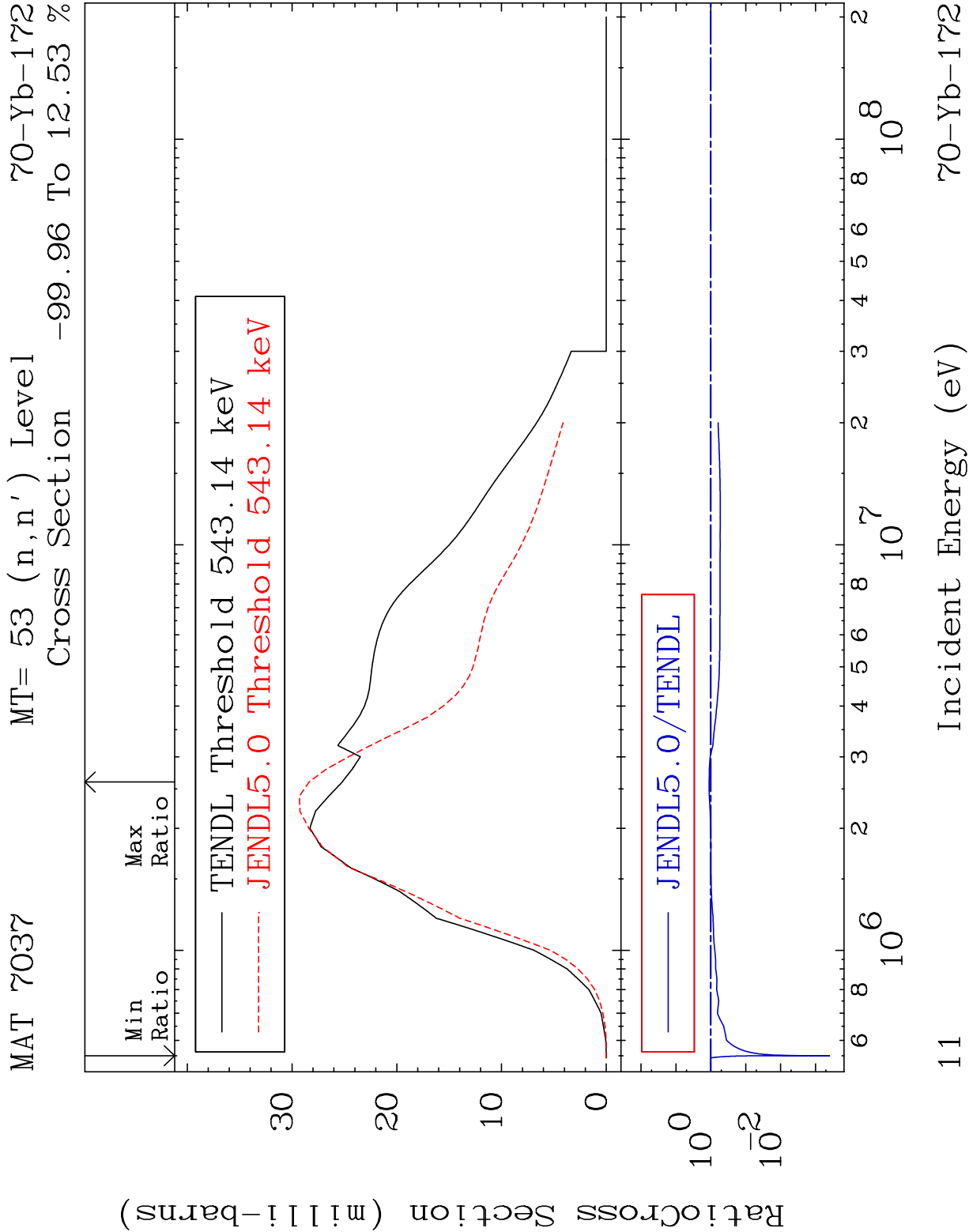


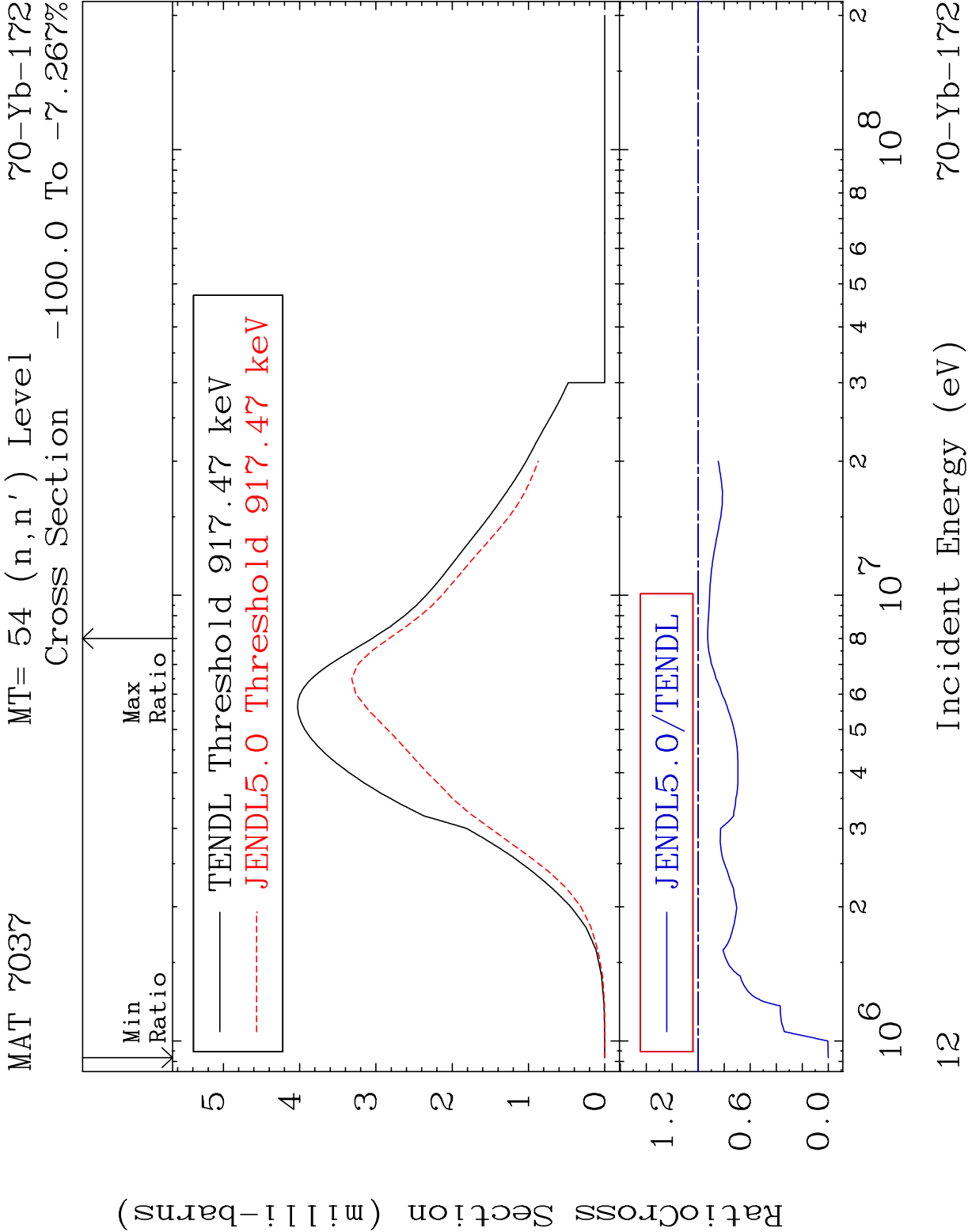
MAT 7037 MT= 51 (n,n') Level 70-Yb-172
 Cross Section -100.0 To 711.7 %



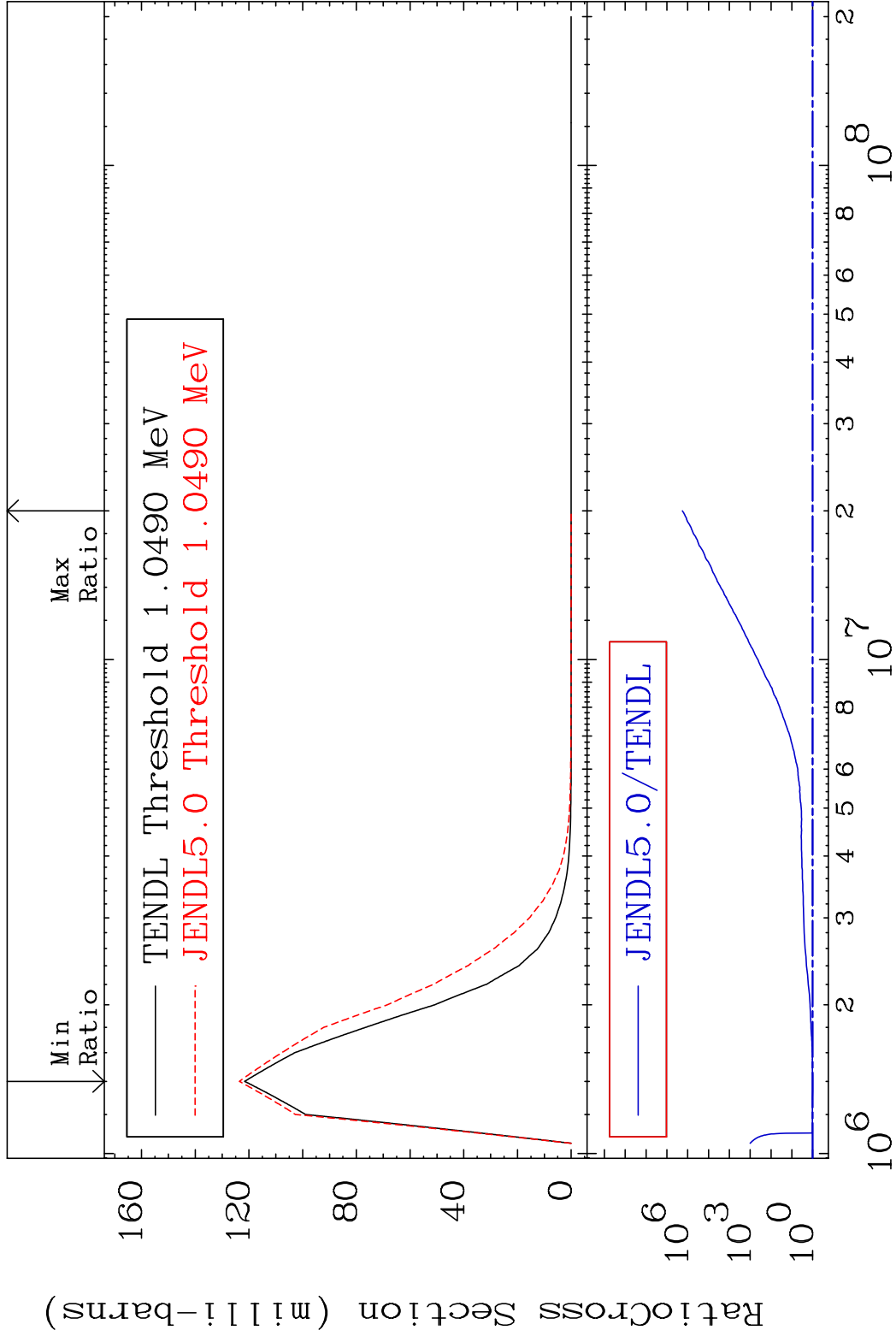
9 Incident Energy (eV) 70-Yb-172



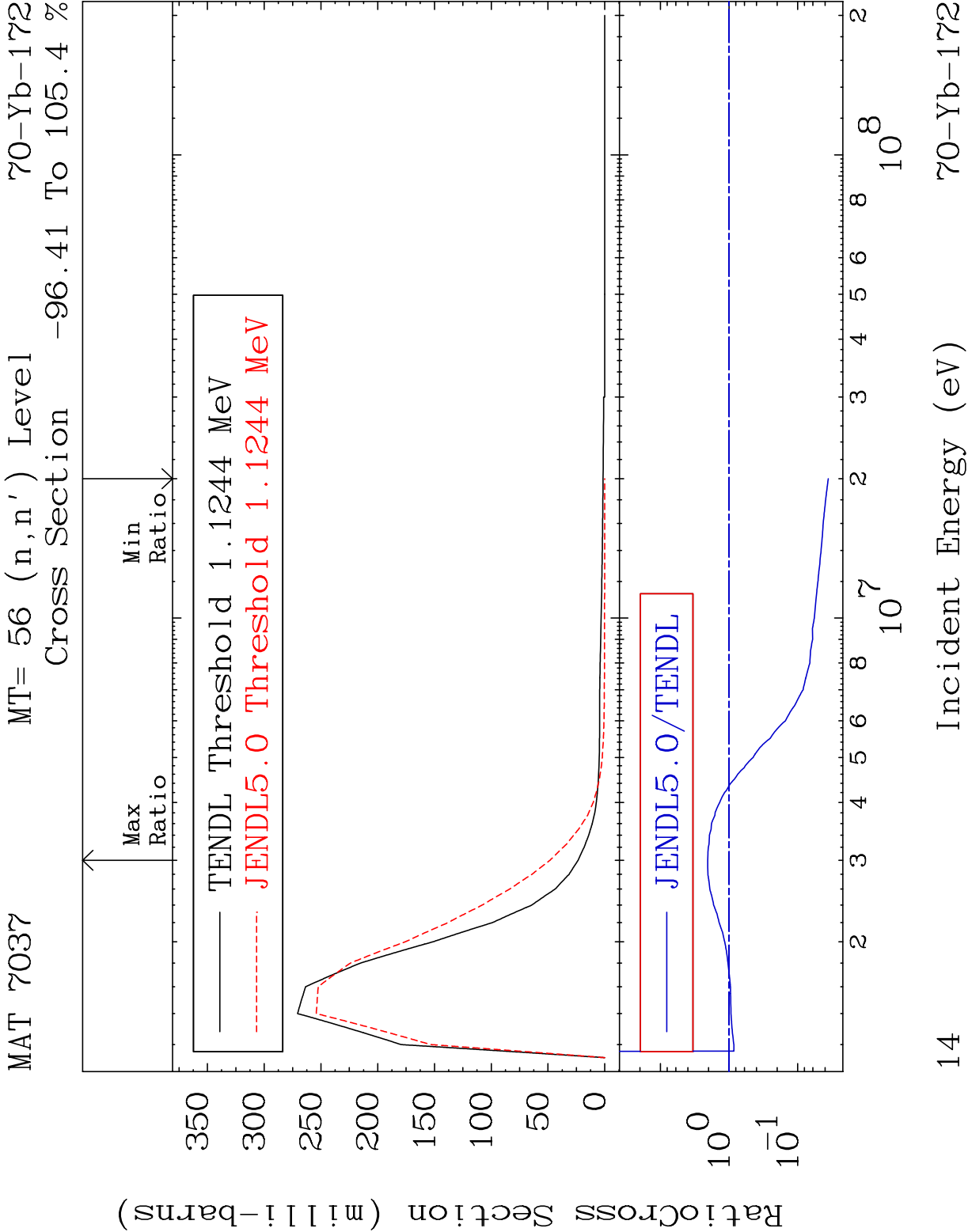


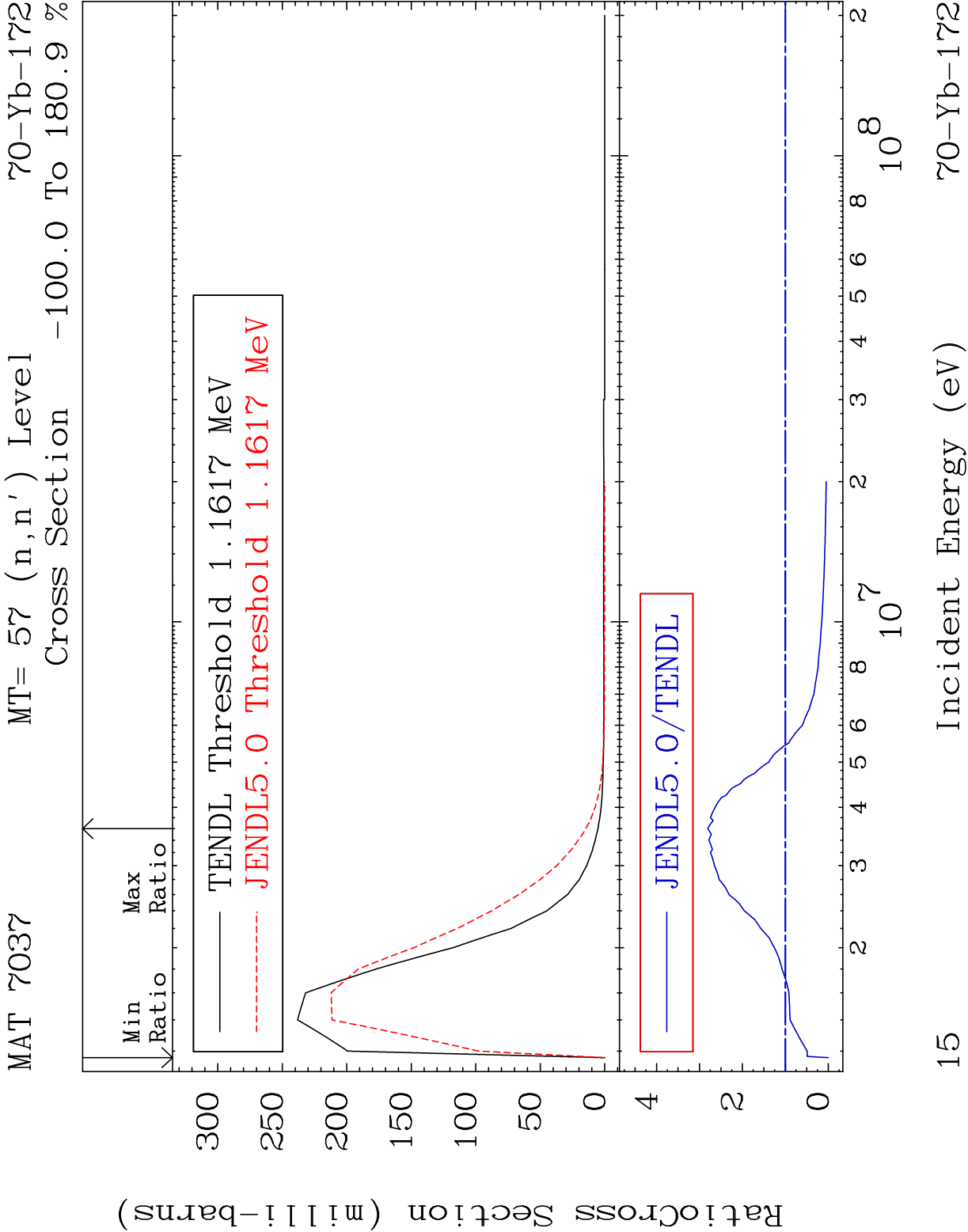


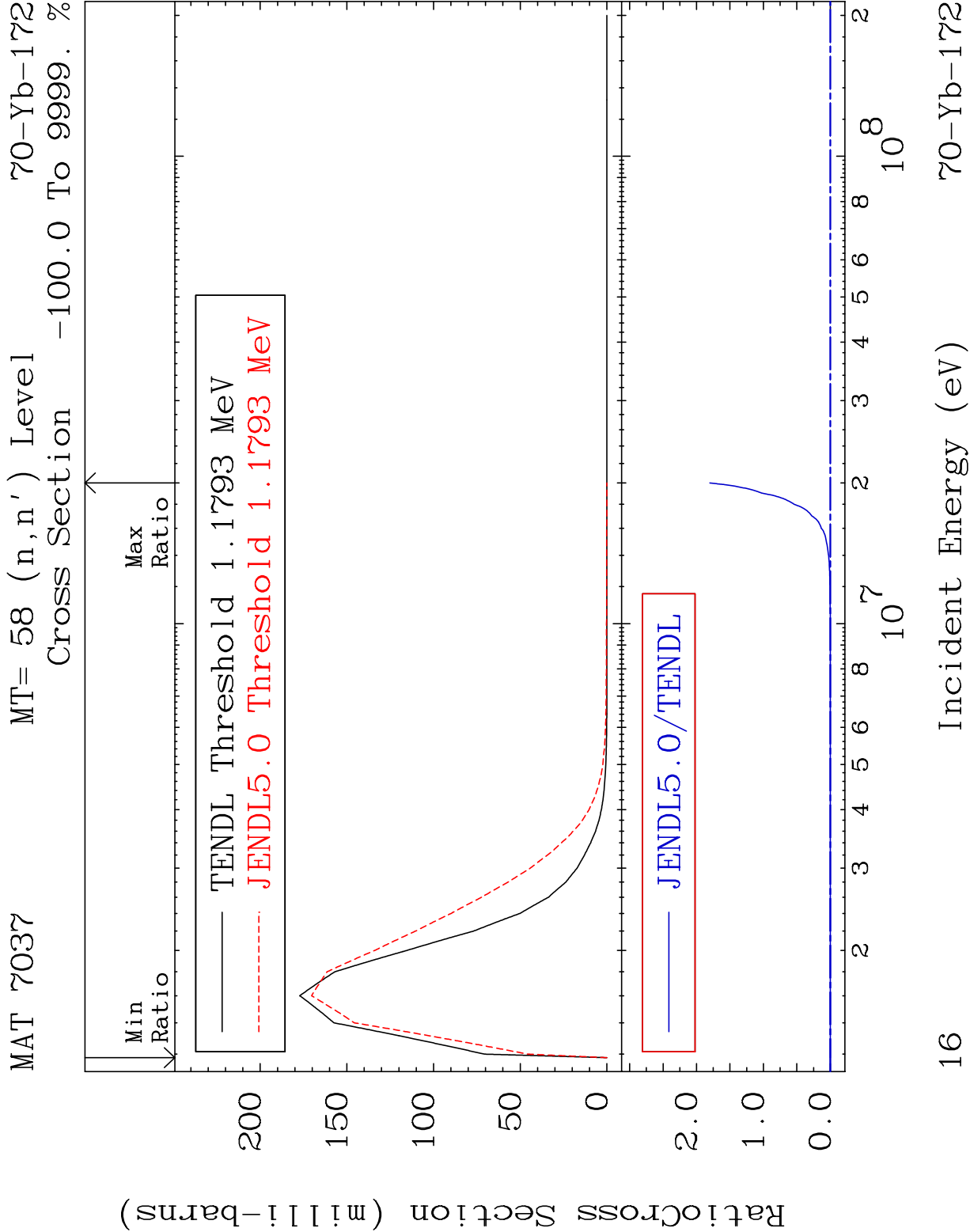
MAT 7037 MT= 55 (n,n') Level 70-Yb-172
Cross Section 1.632 To 9999. %

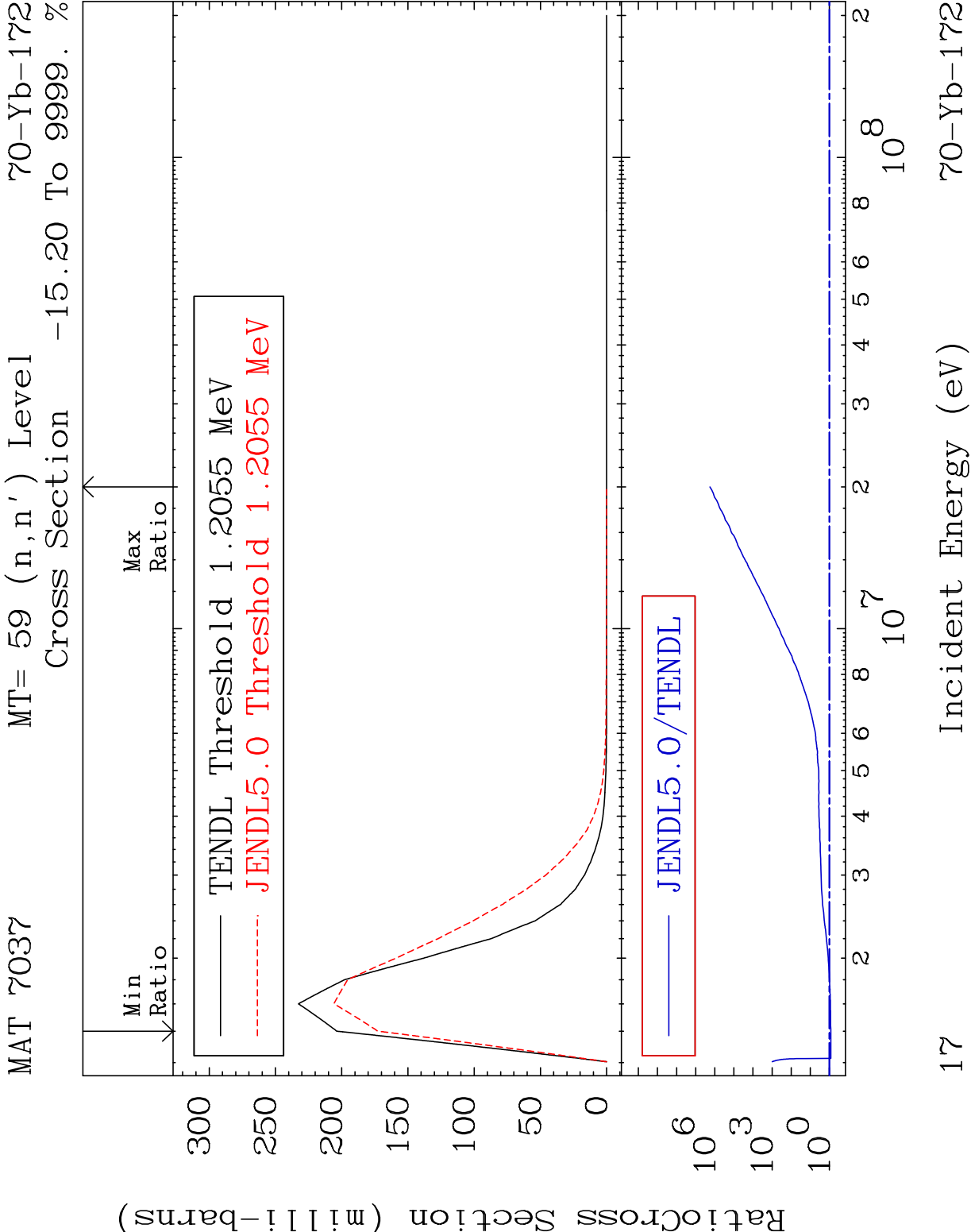


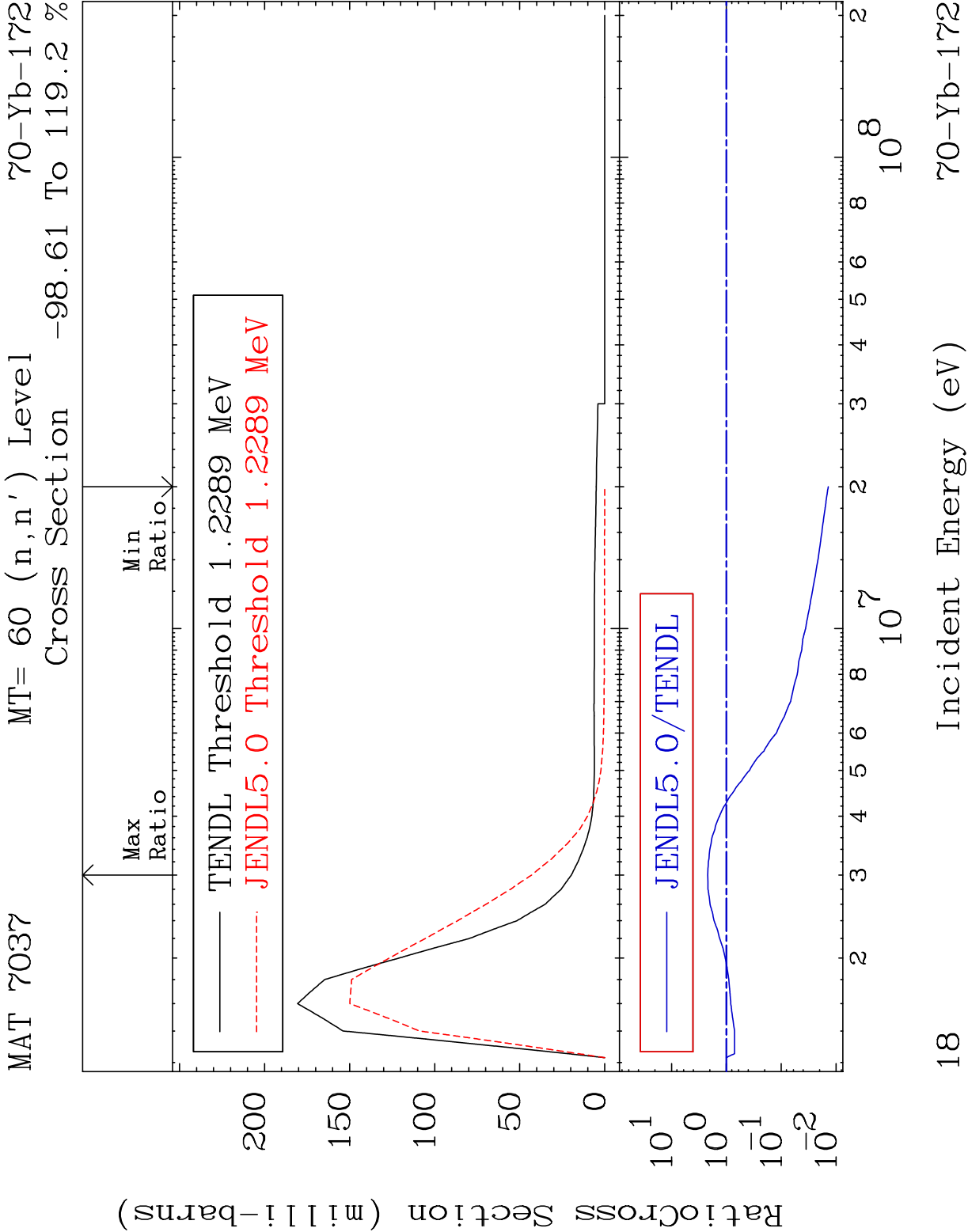
13 Incident Energy (eV) 70-Yb-172

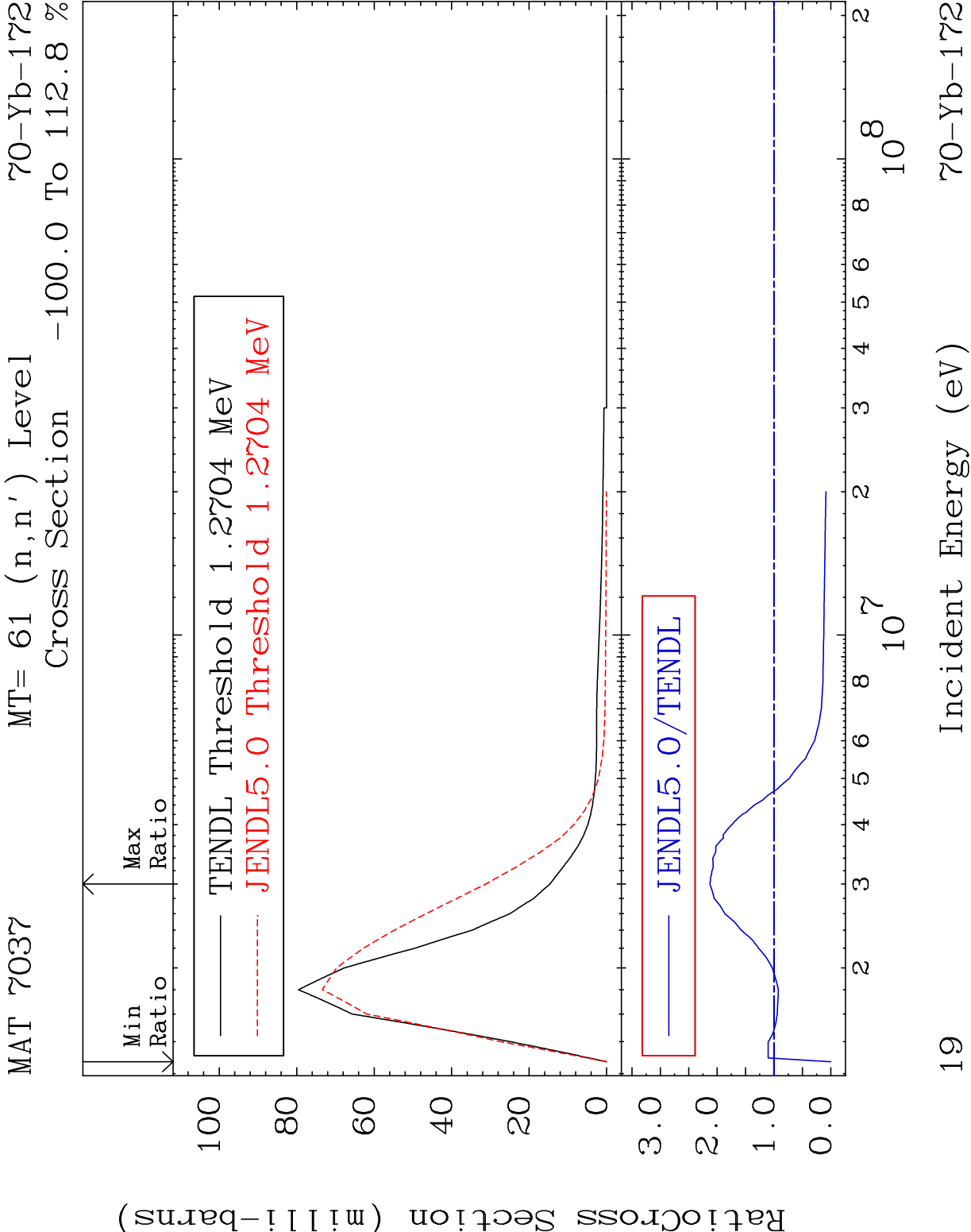


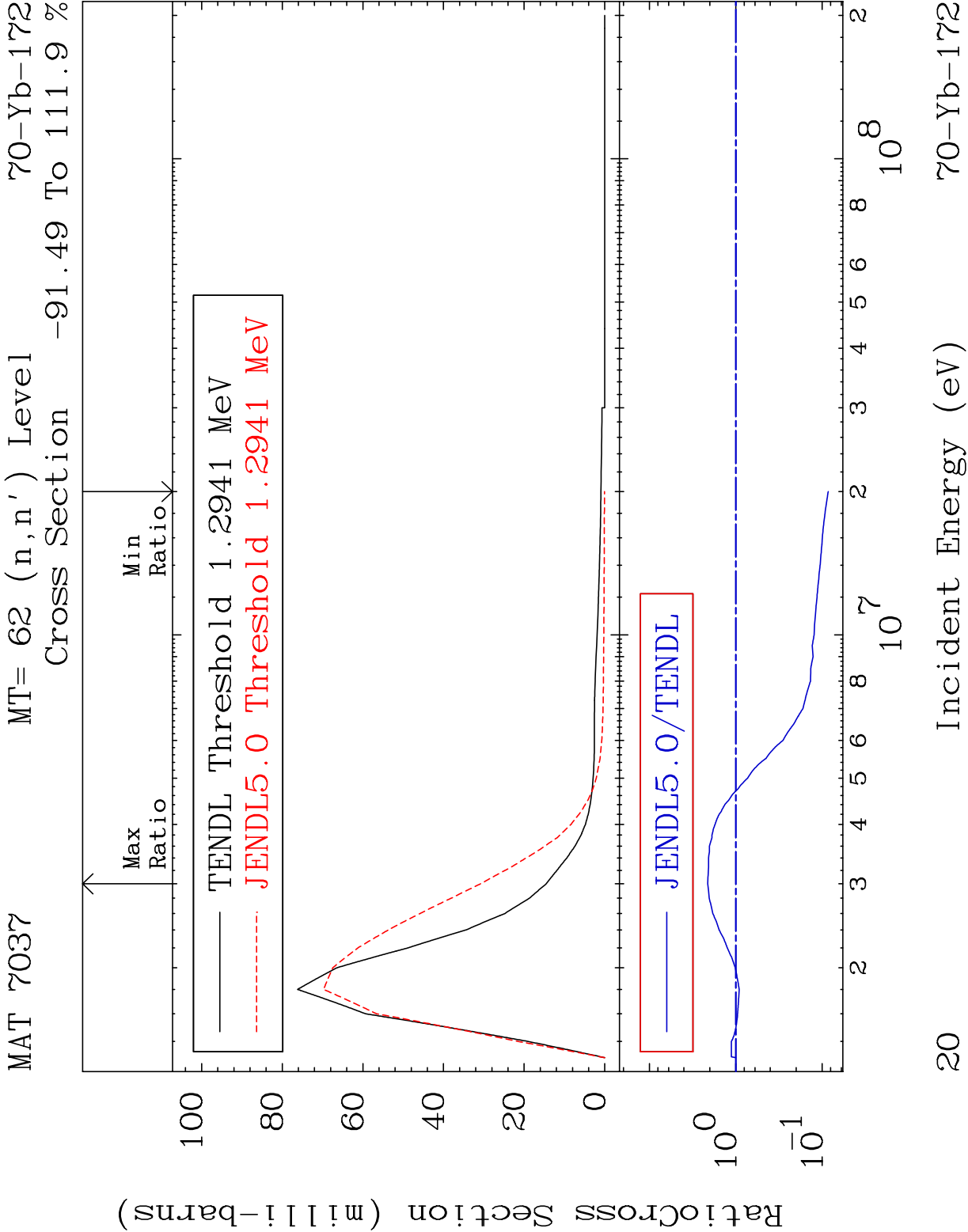


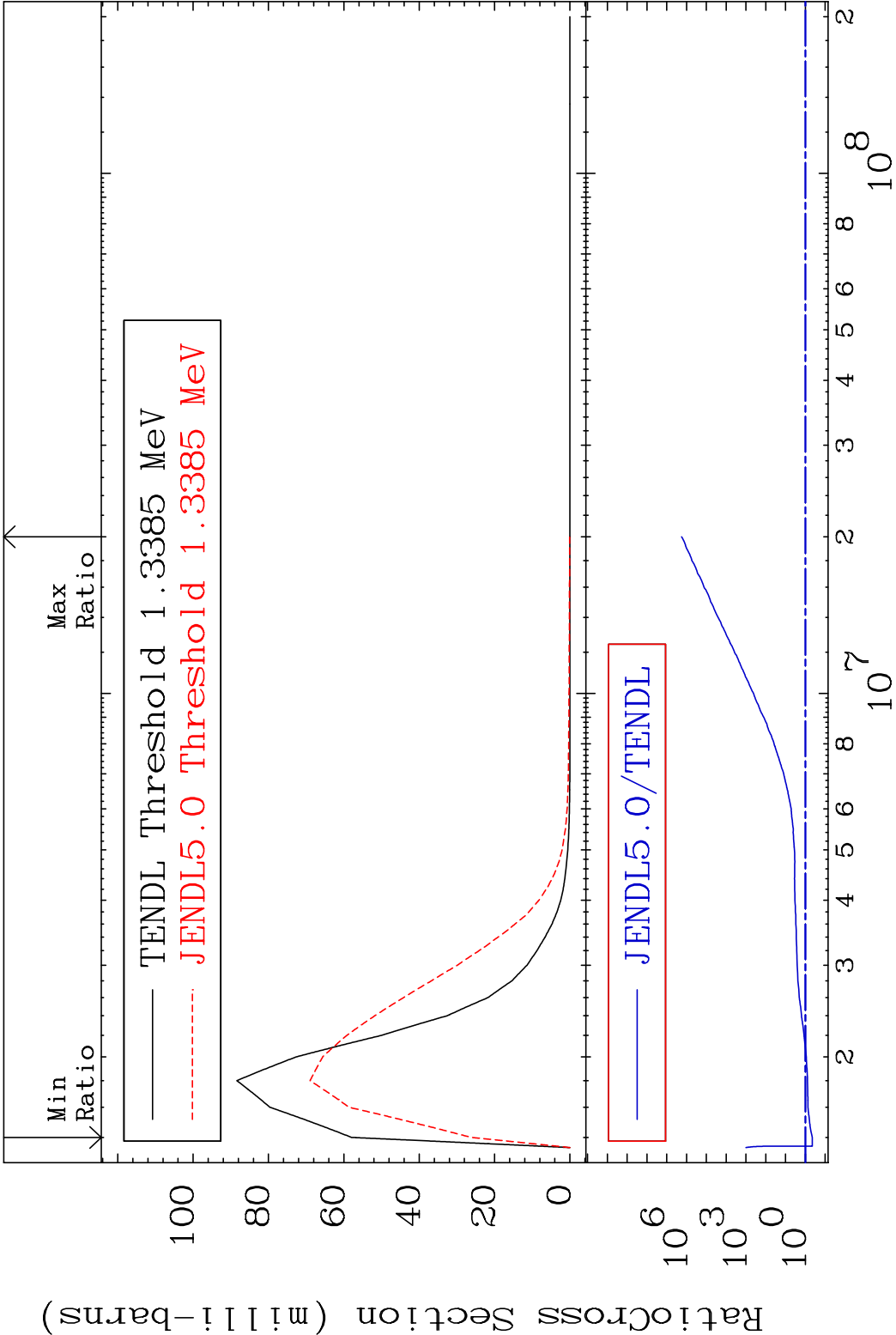


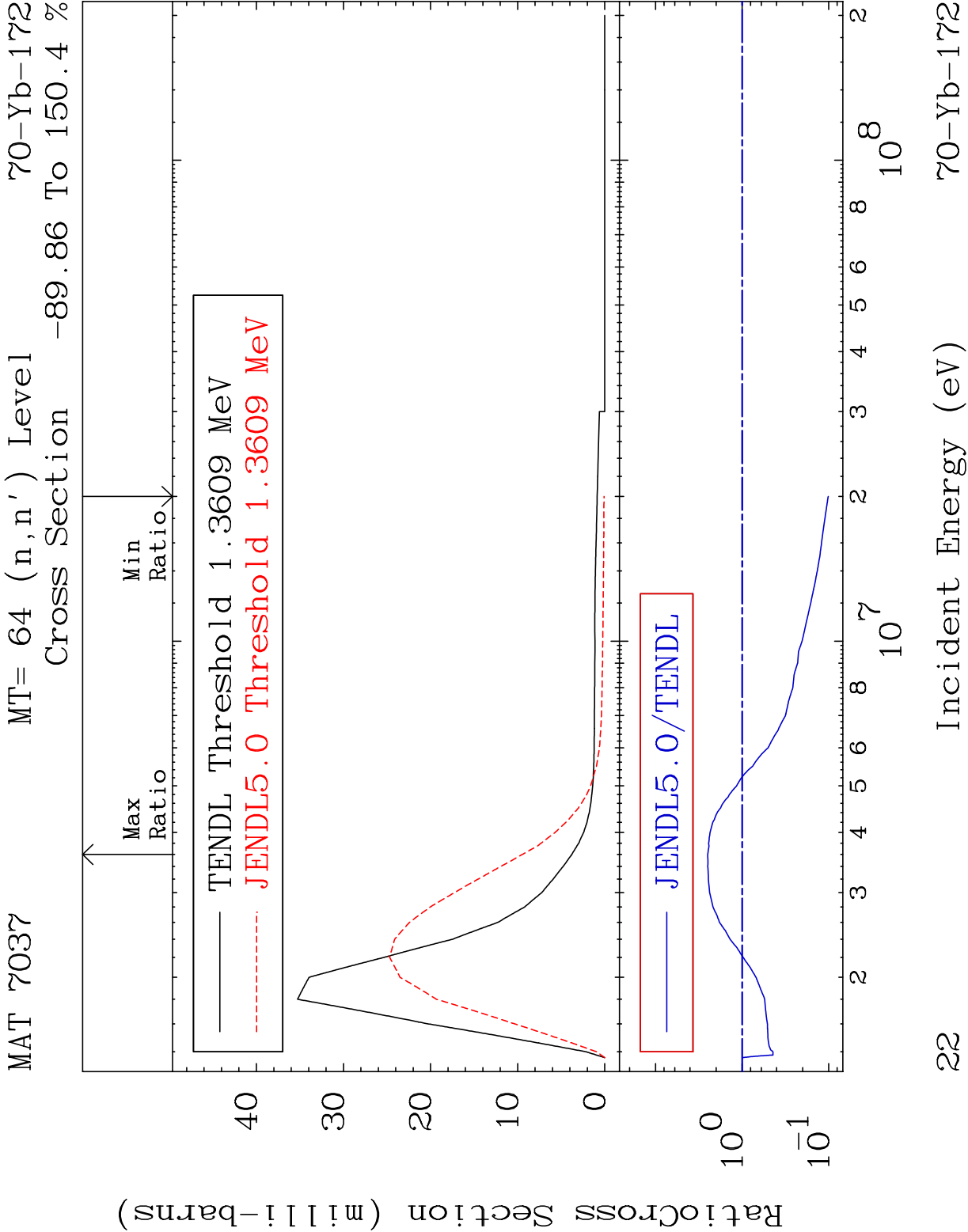


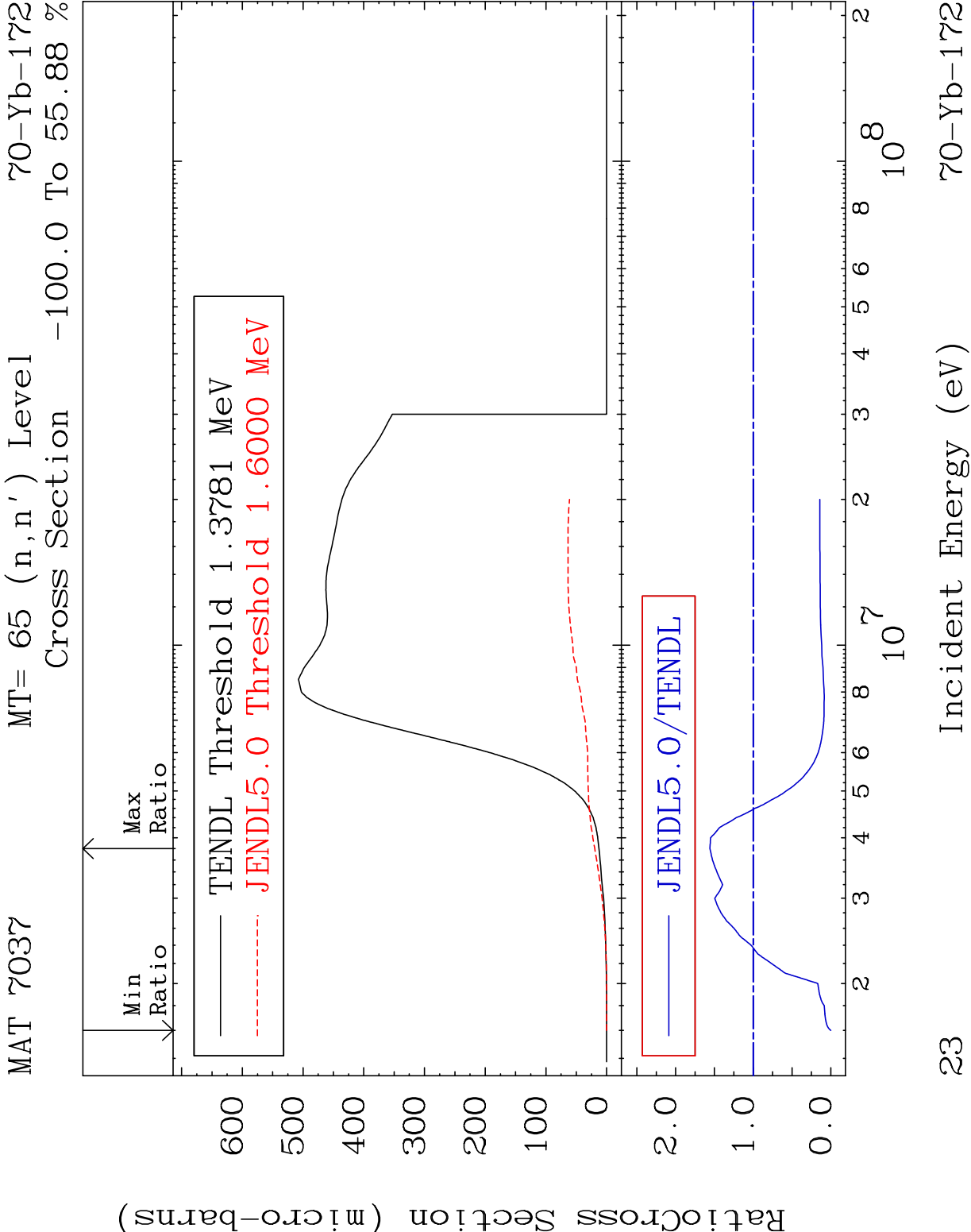


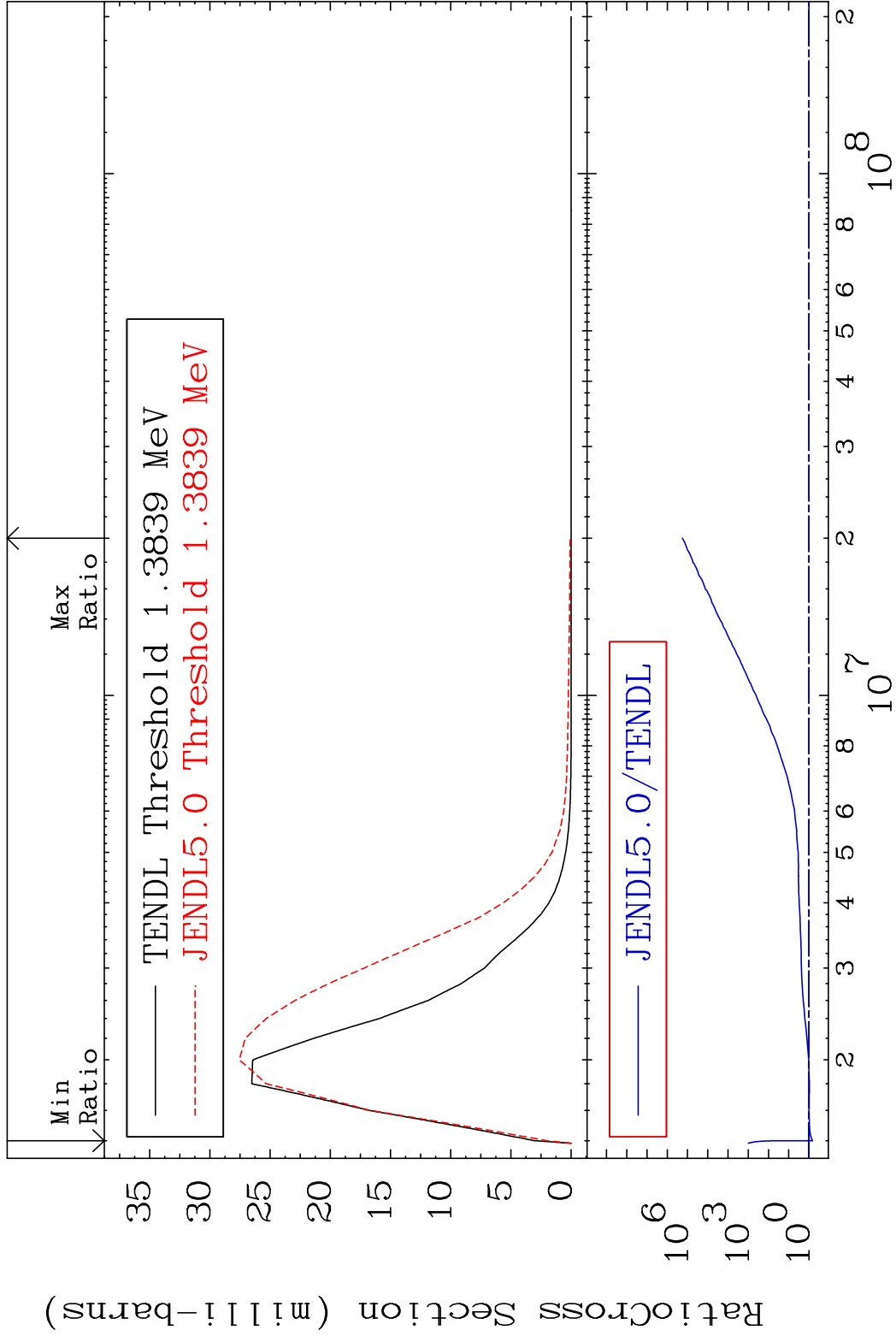




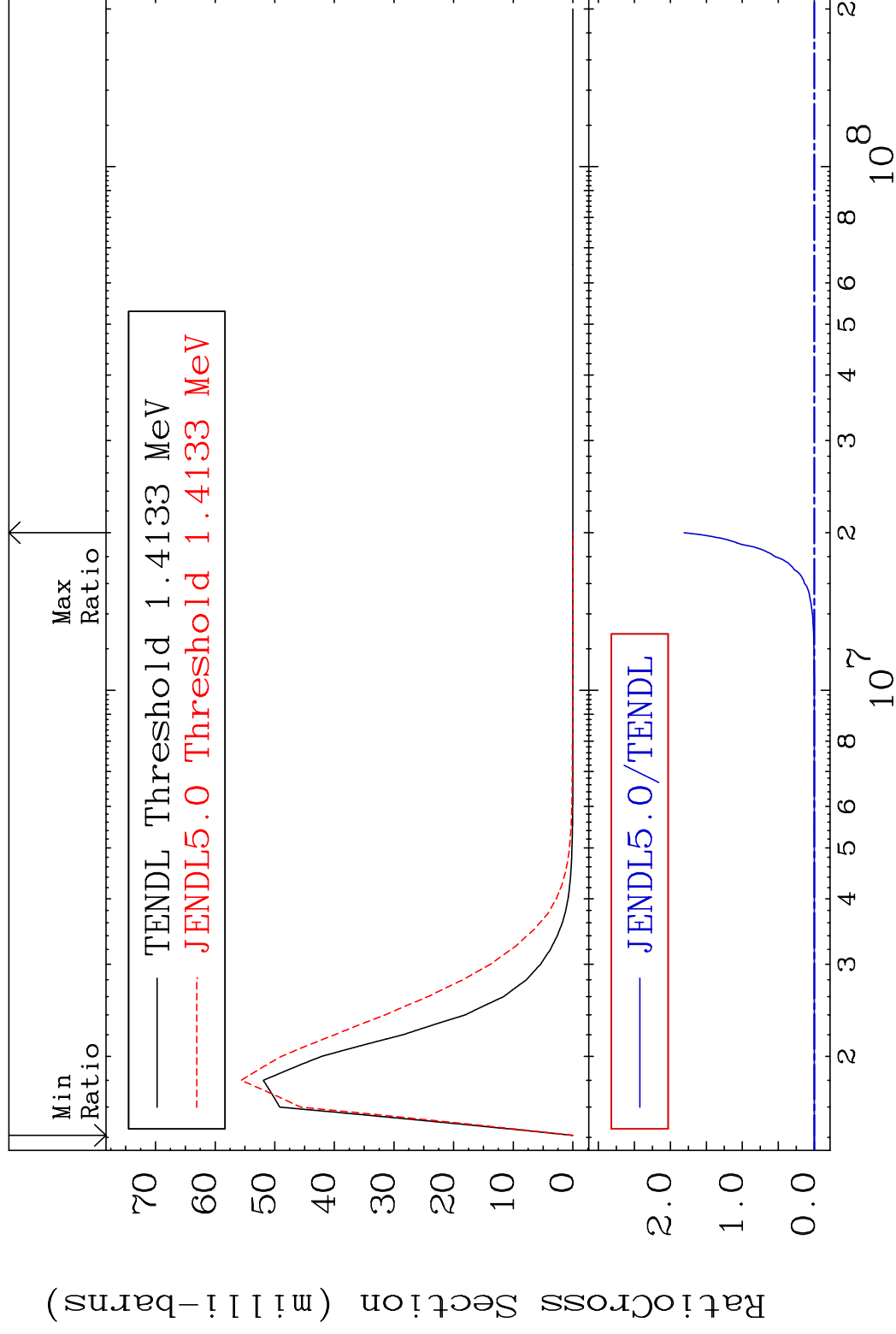


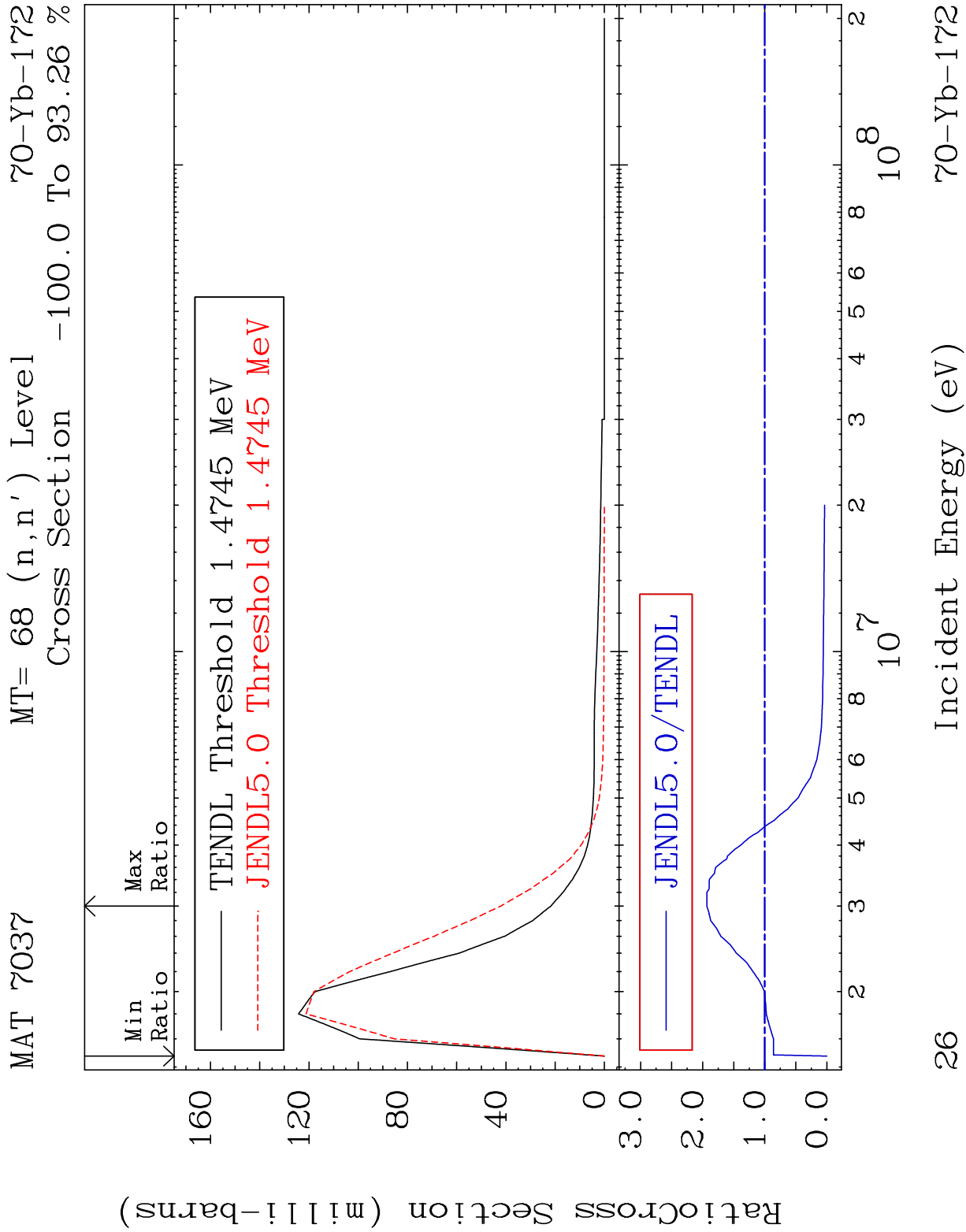


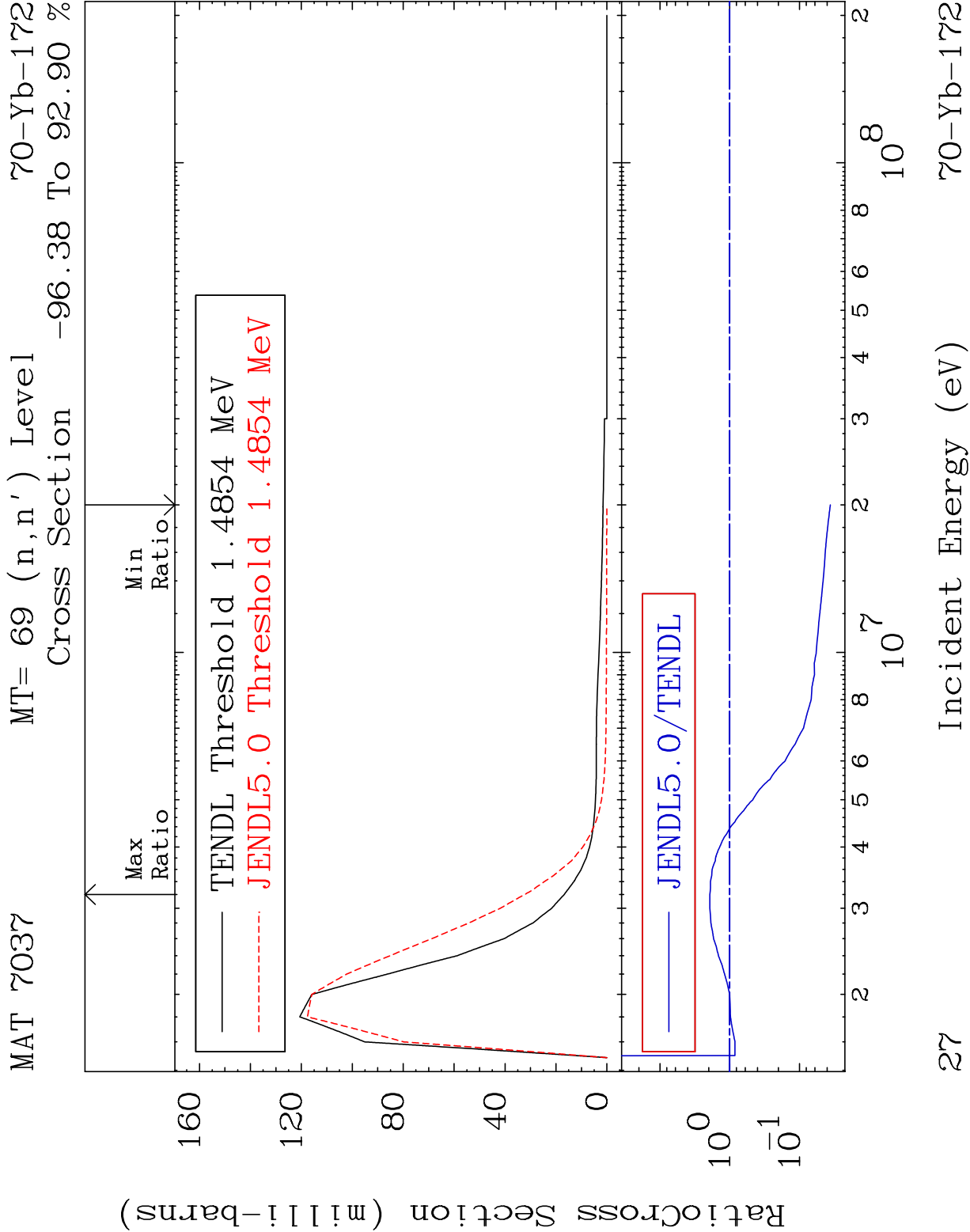




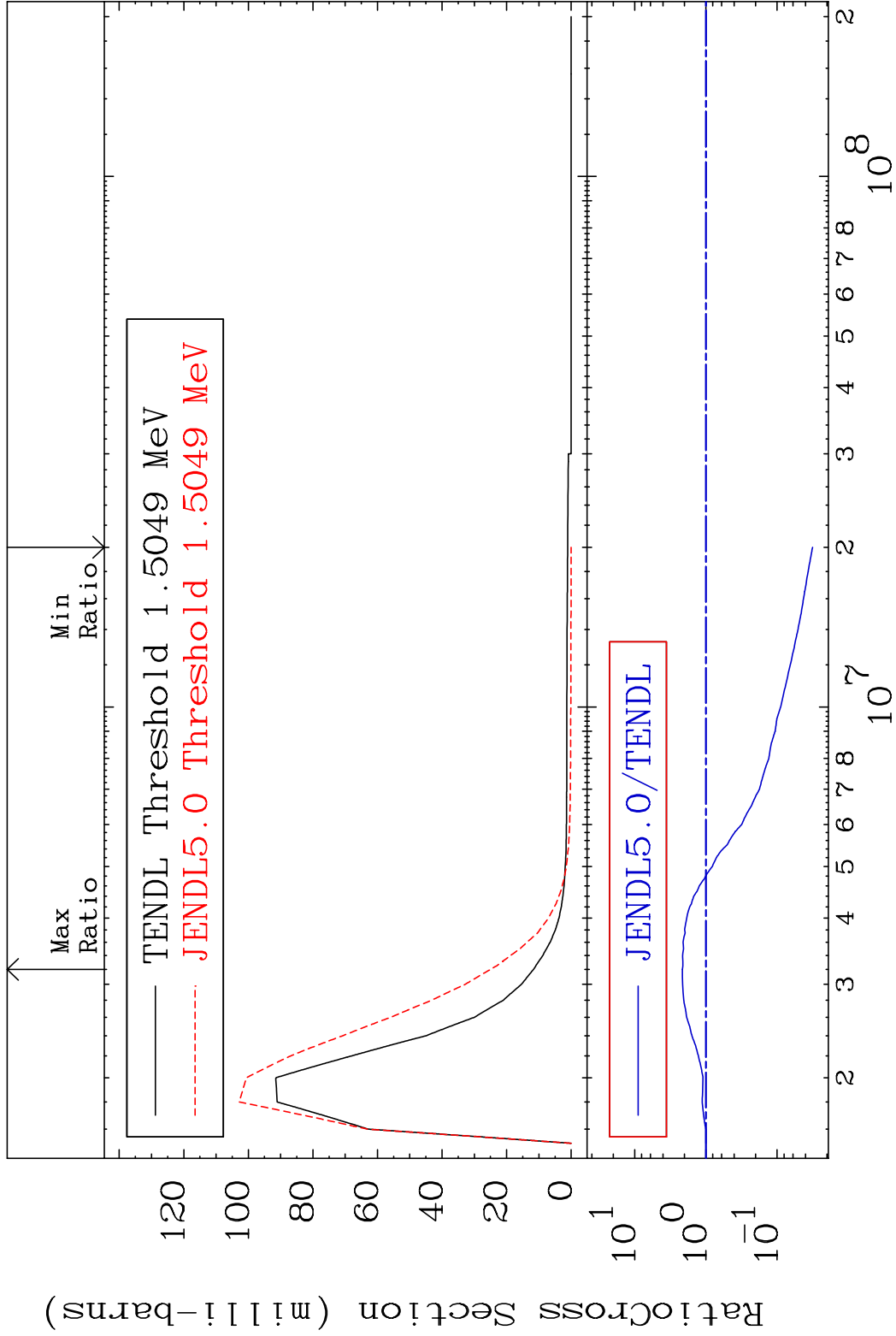
Cross Section -100.0 To 9999. %

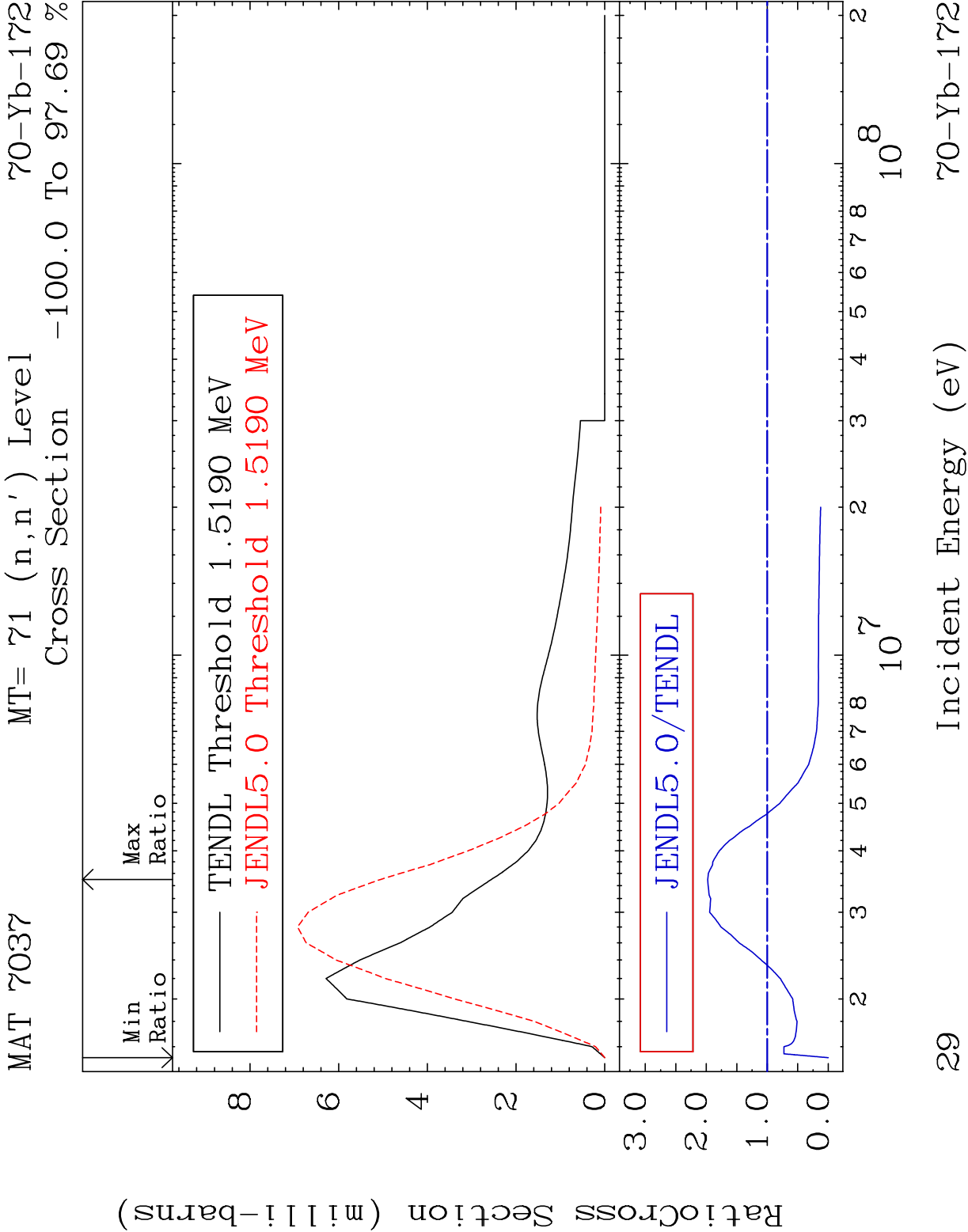




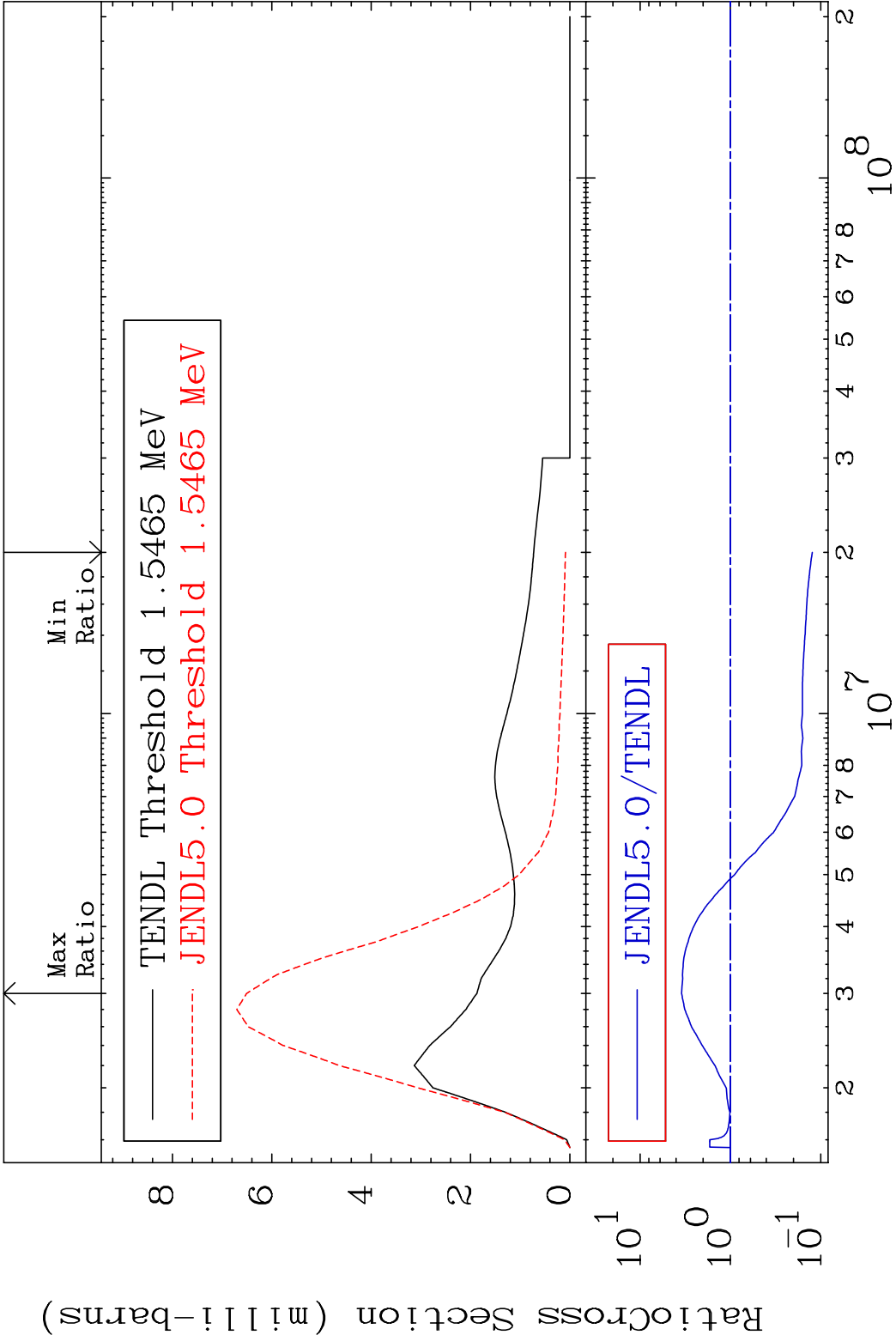


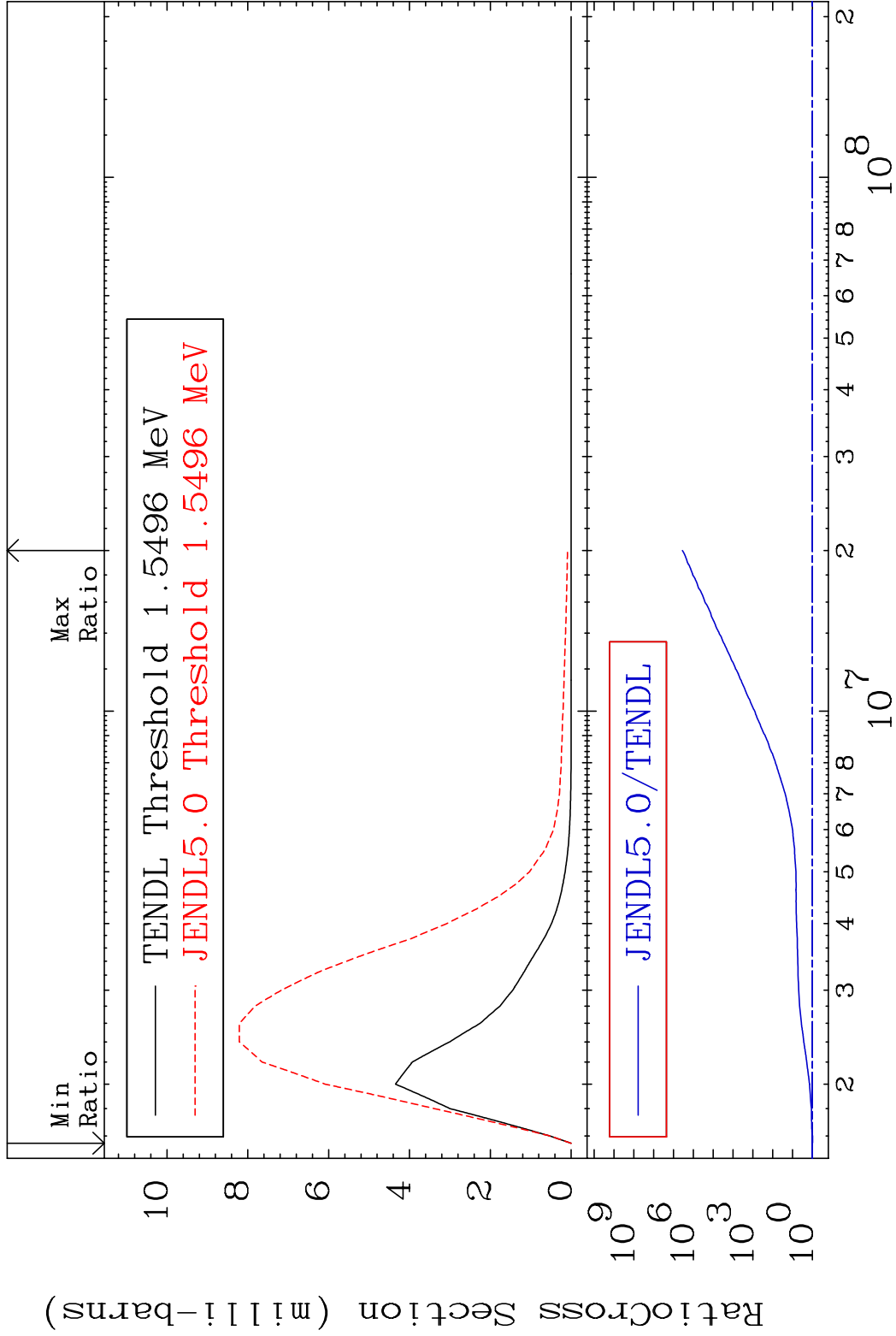
MAT 7037 MT= 70 (n,n') Level 70-Yb-172
Cross Section -96.82 To 114.3 %





MAT 7037 MT= 72 (n,n') Level 70-Yb-172
Cross Section -87.60 To 247.2 %



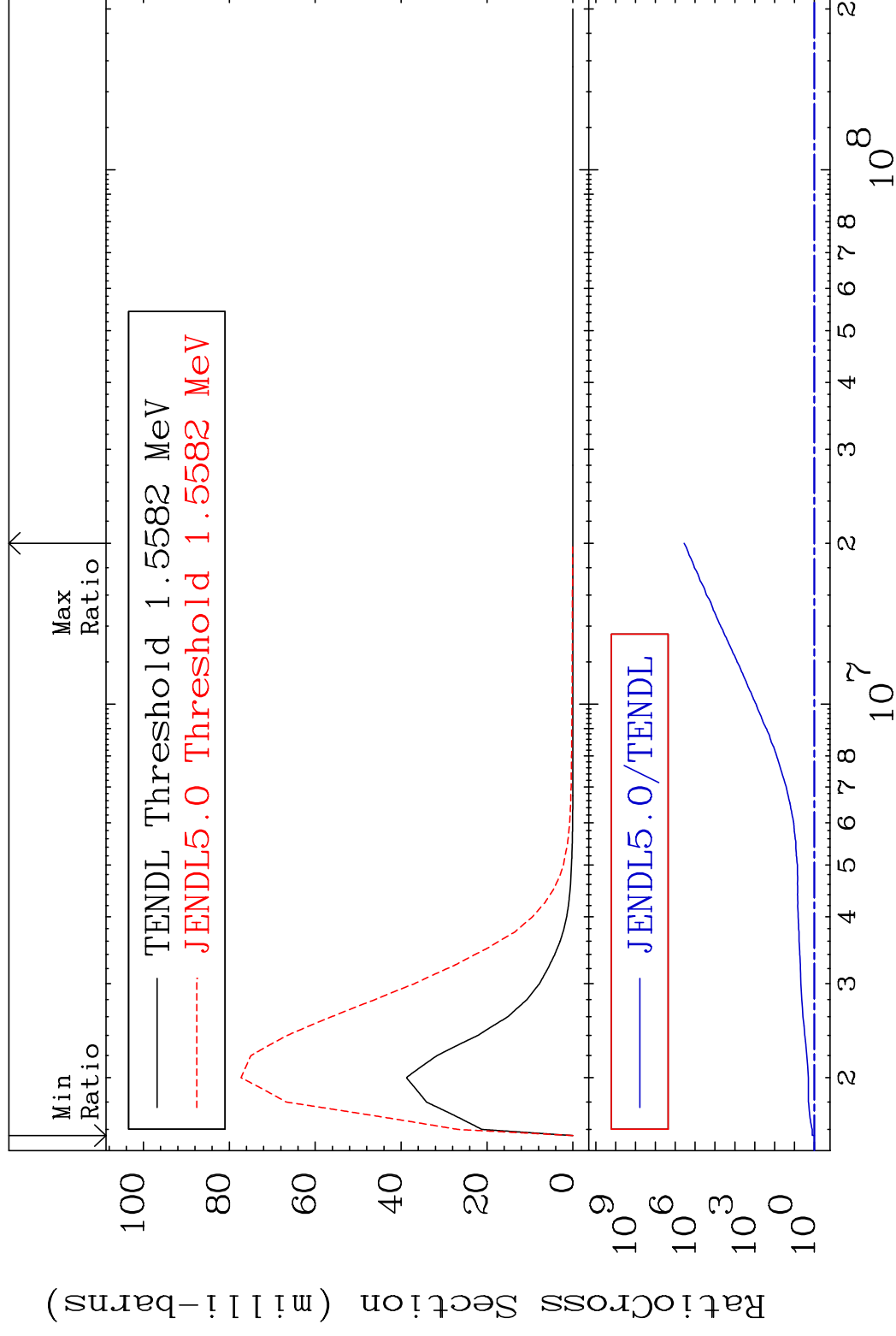


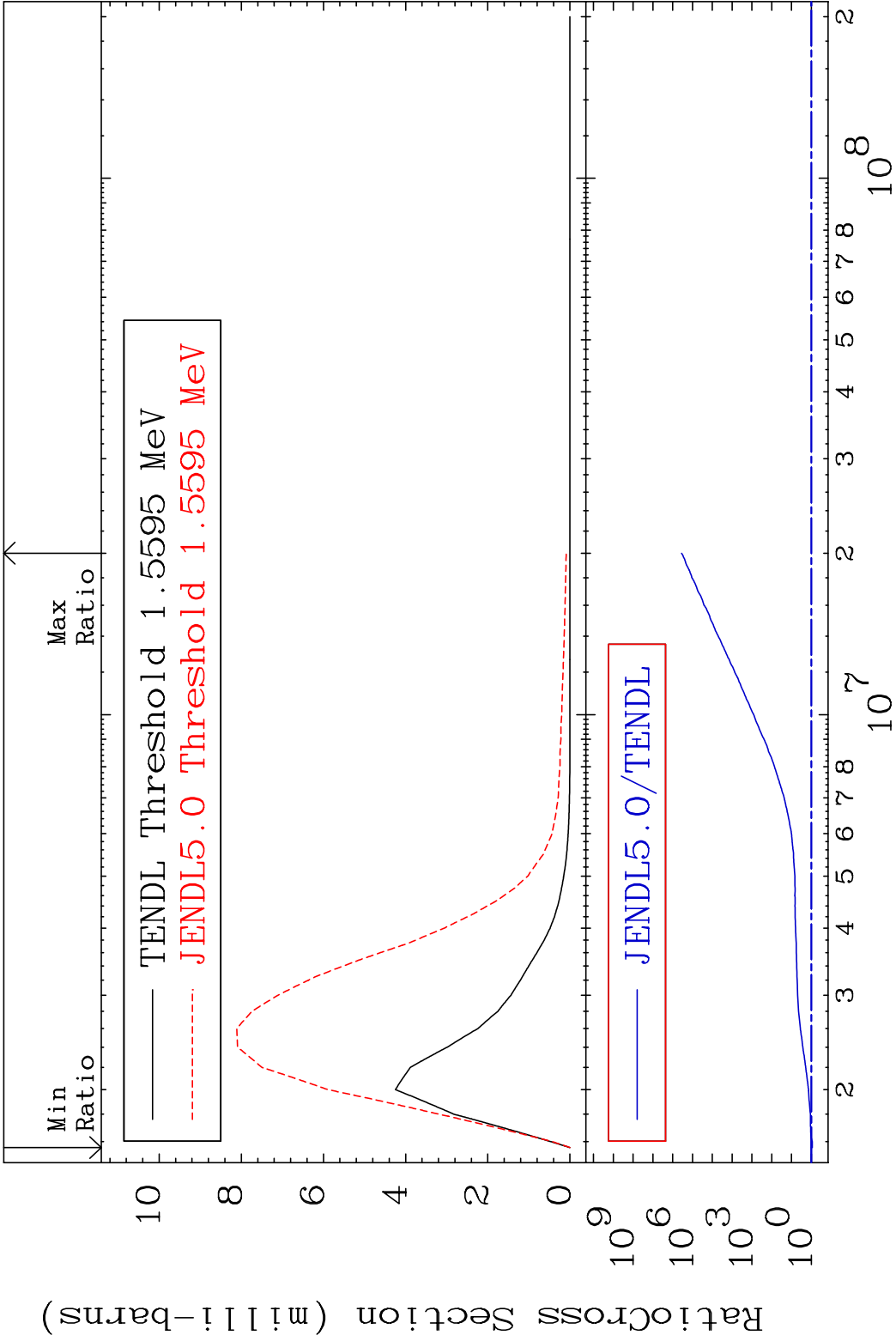
MAT 7037

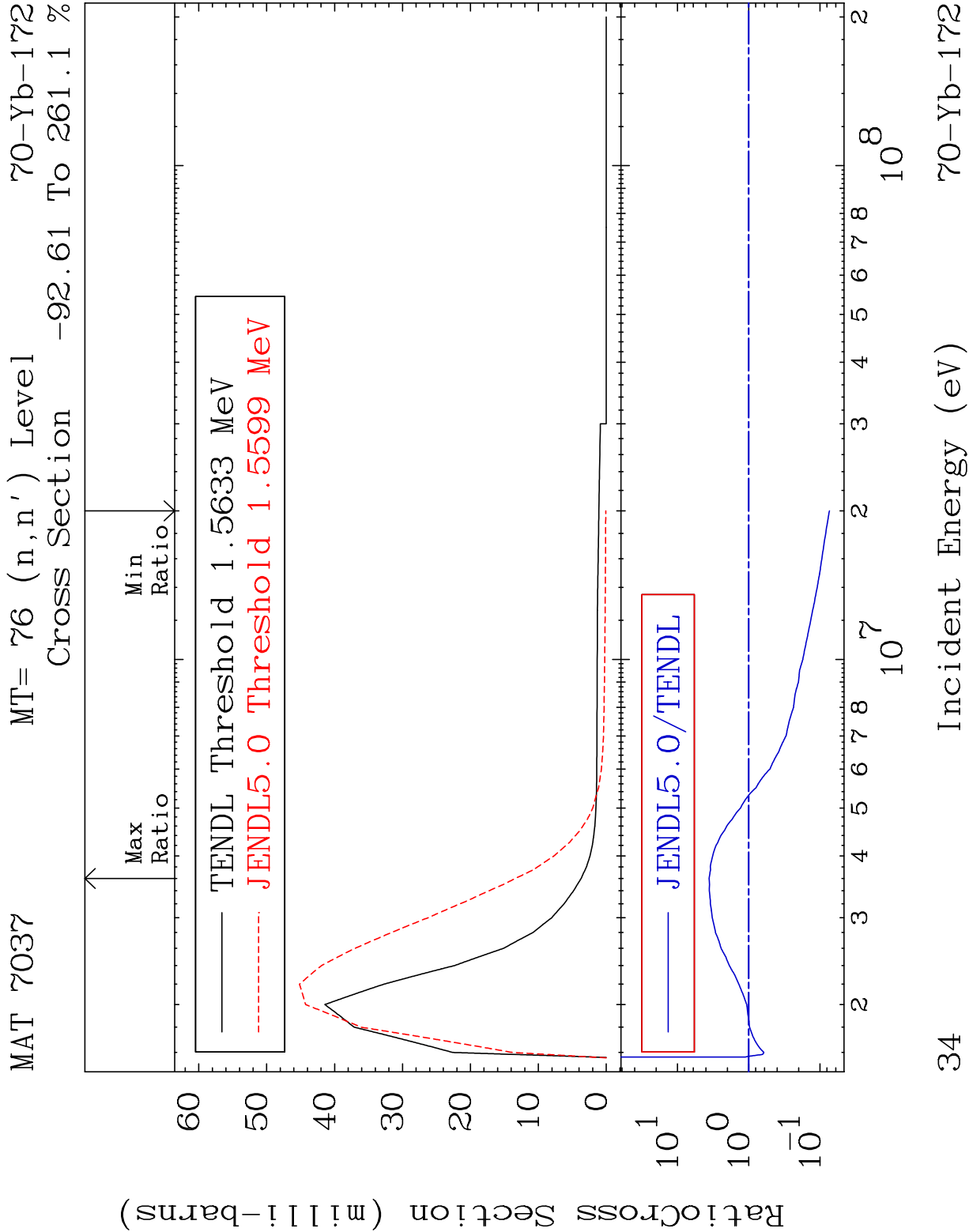
MT= 74 (n, n') Level

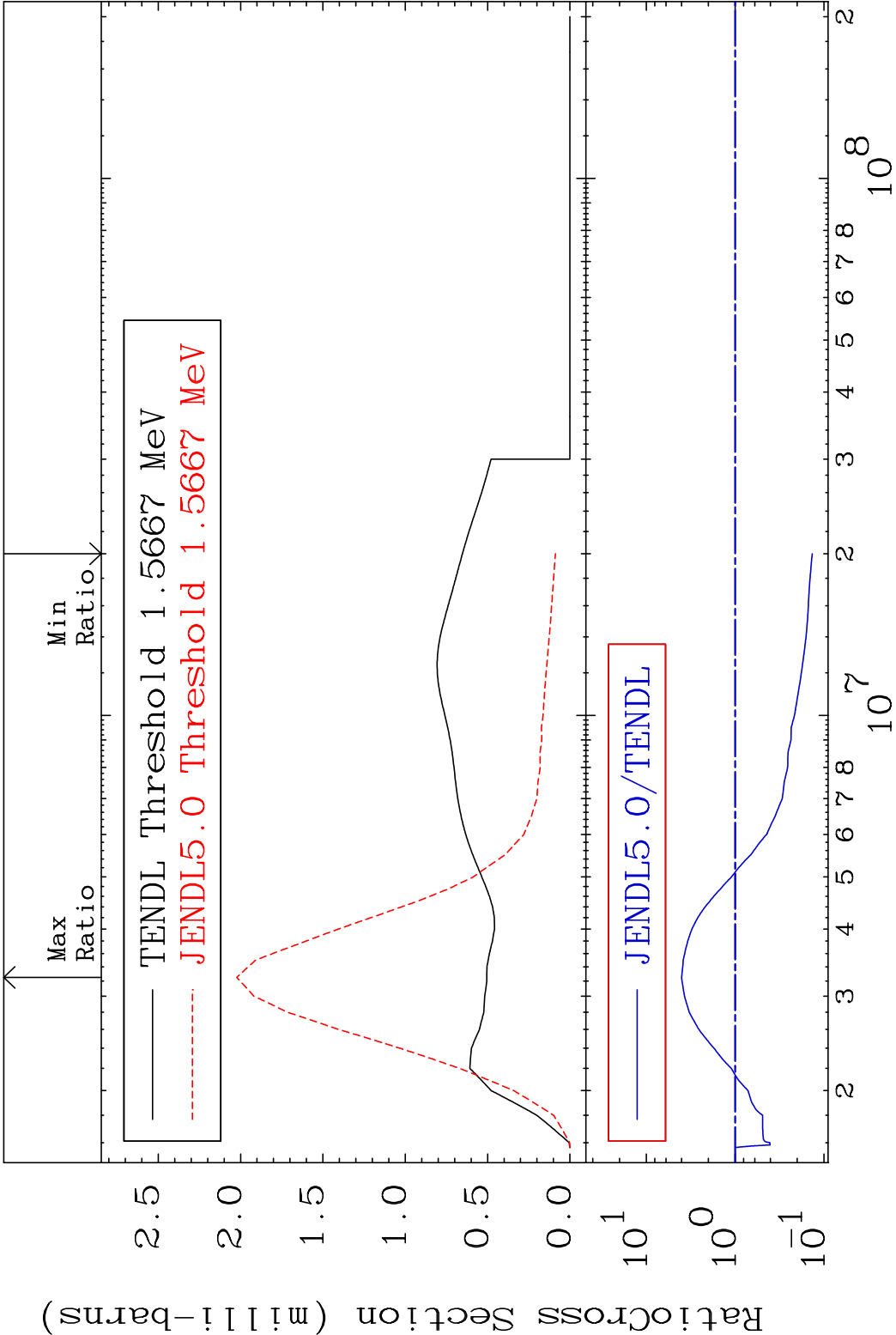
70-Yb-172

Cross Section 0.000 To 9999. %









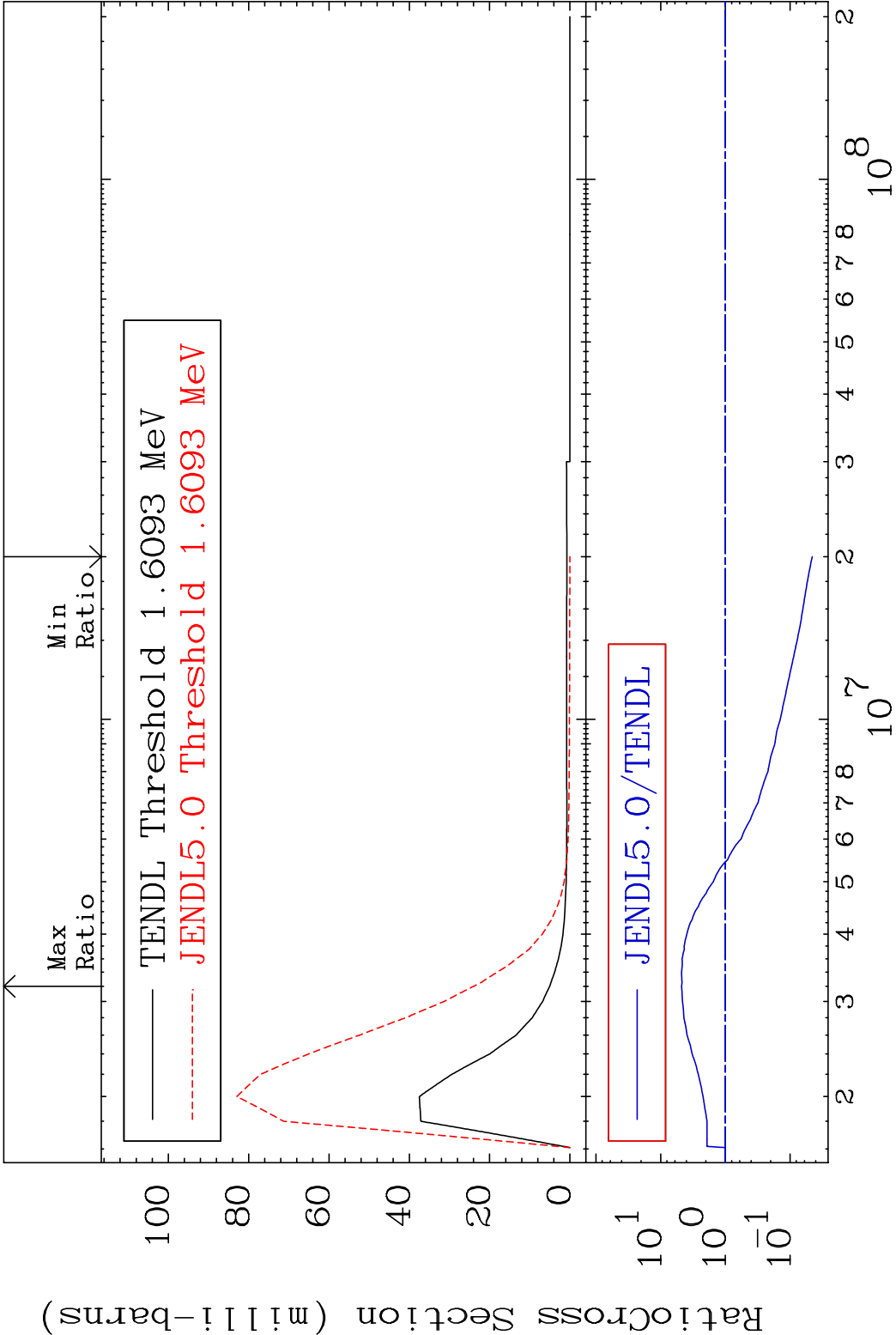
MAT 7037

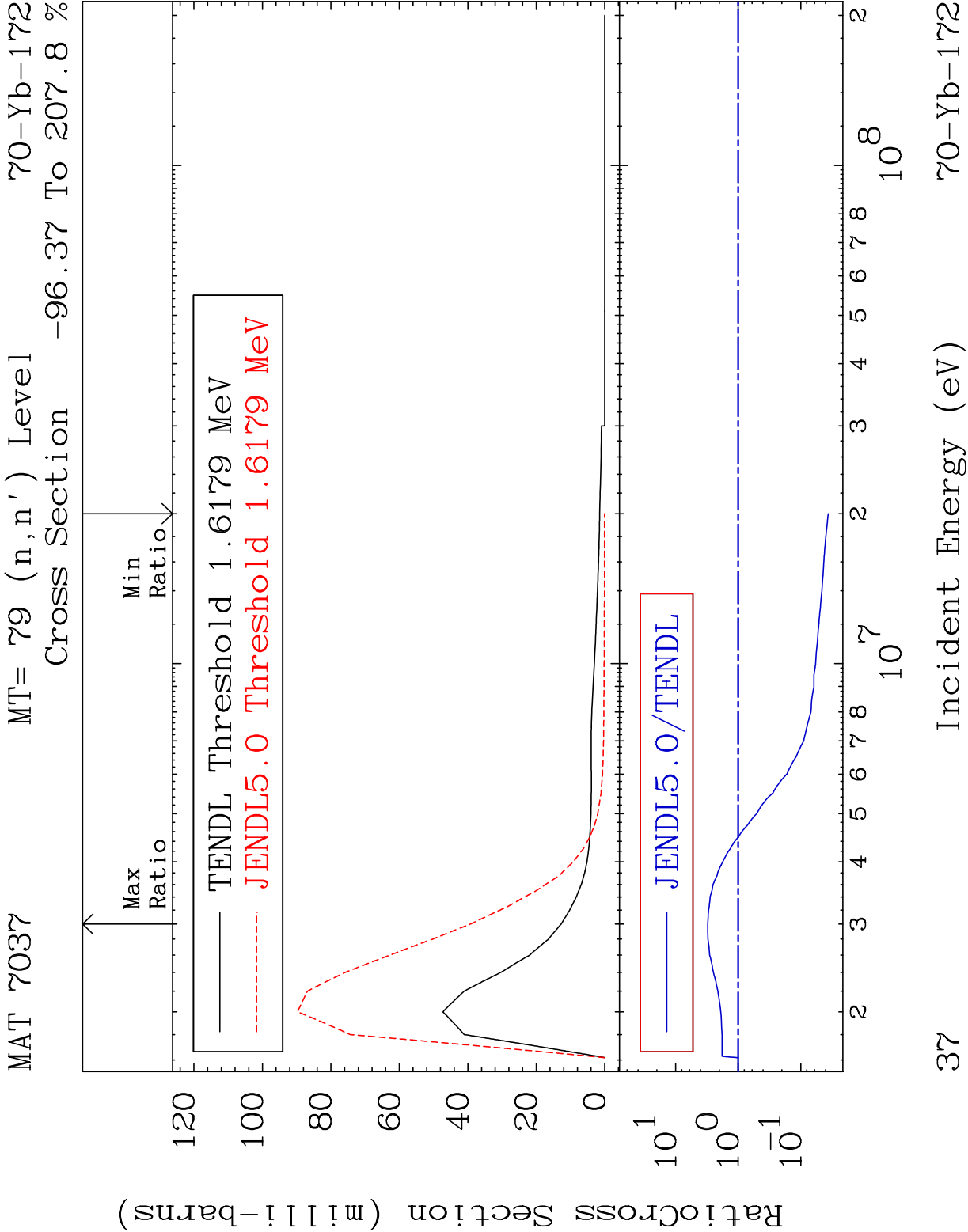
MT= 78 (n,n') Level

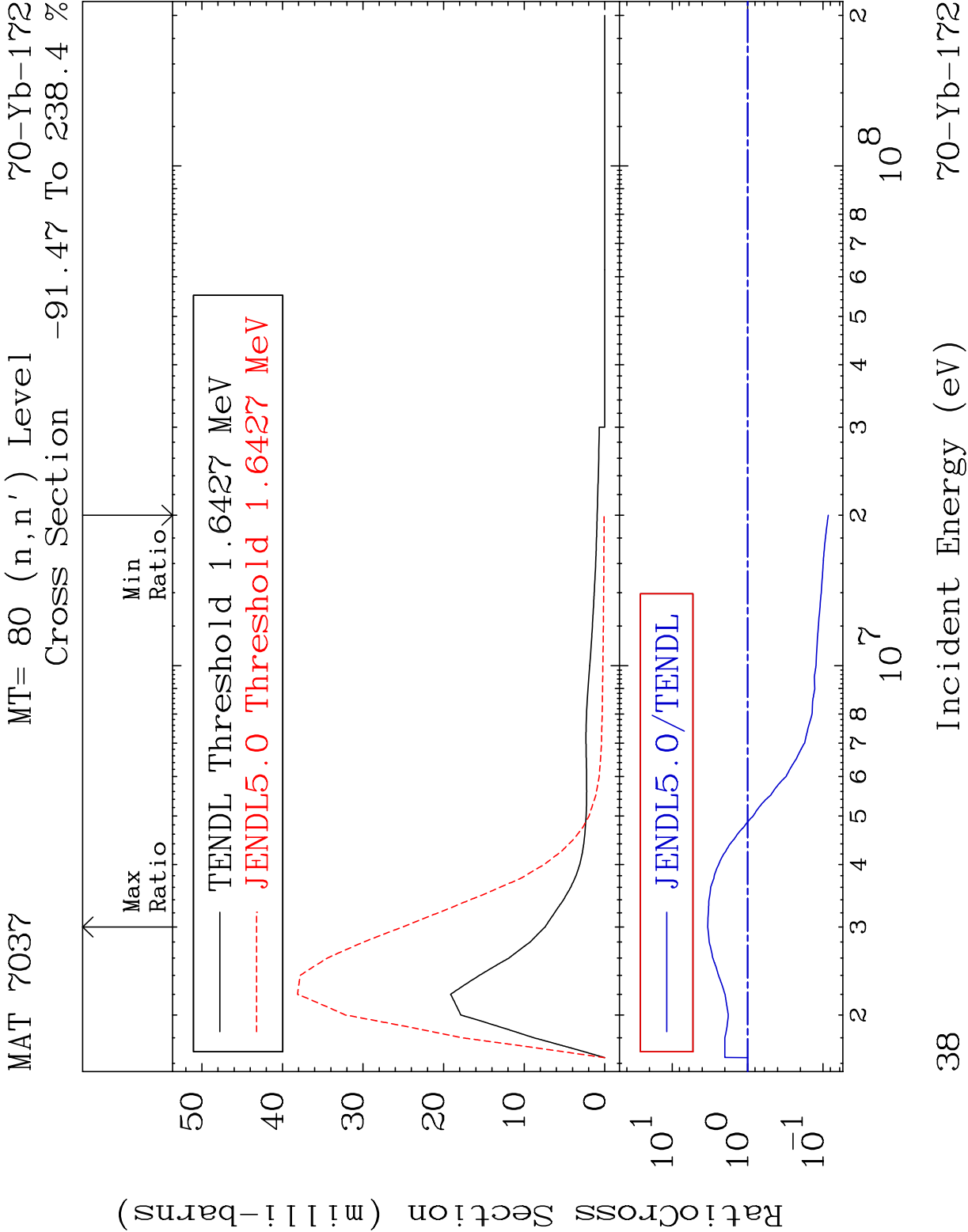
70-Yb-172

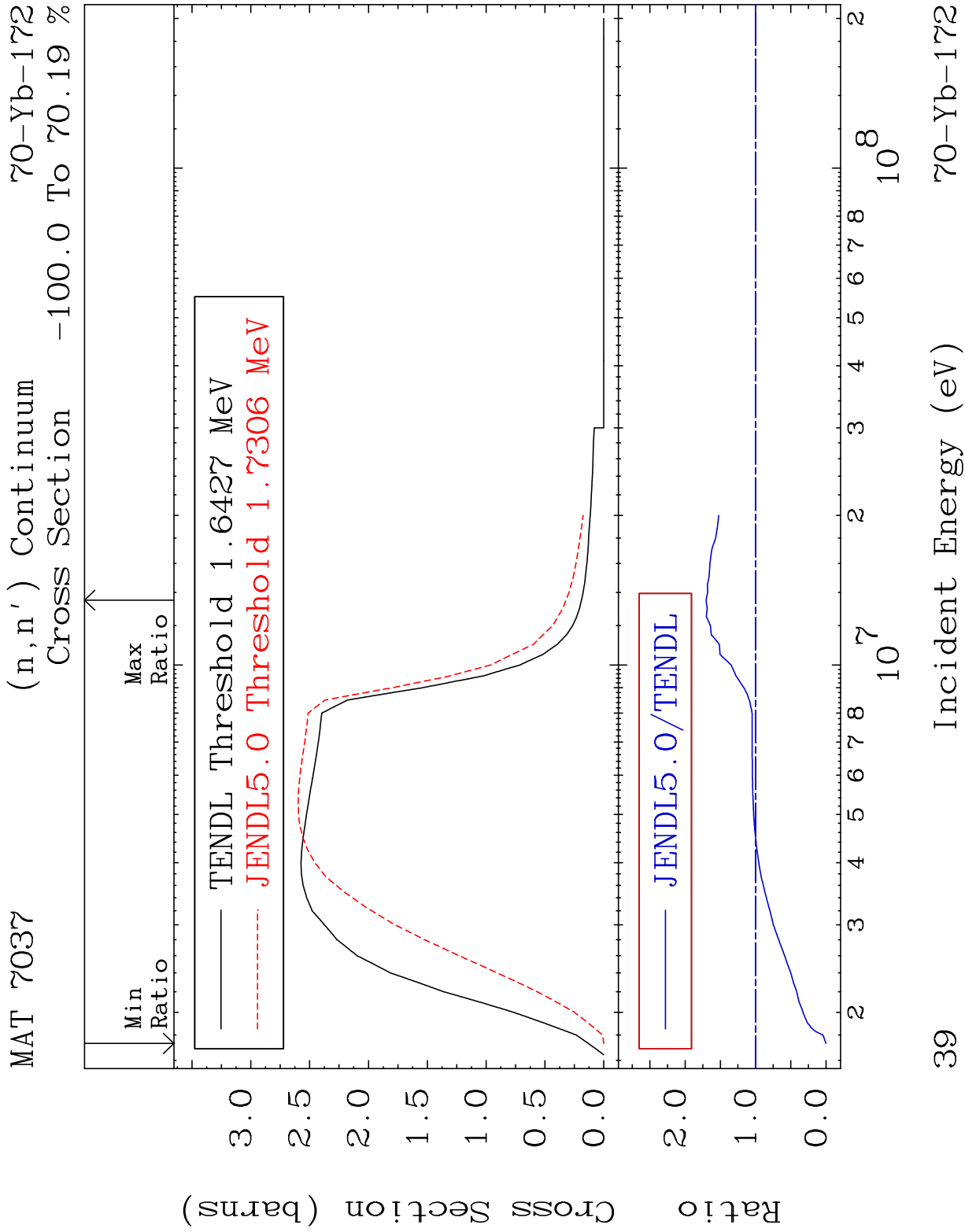
Cross Section

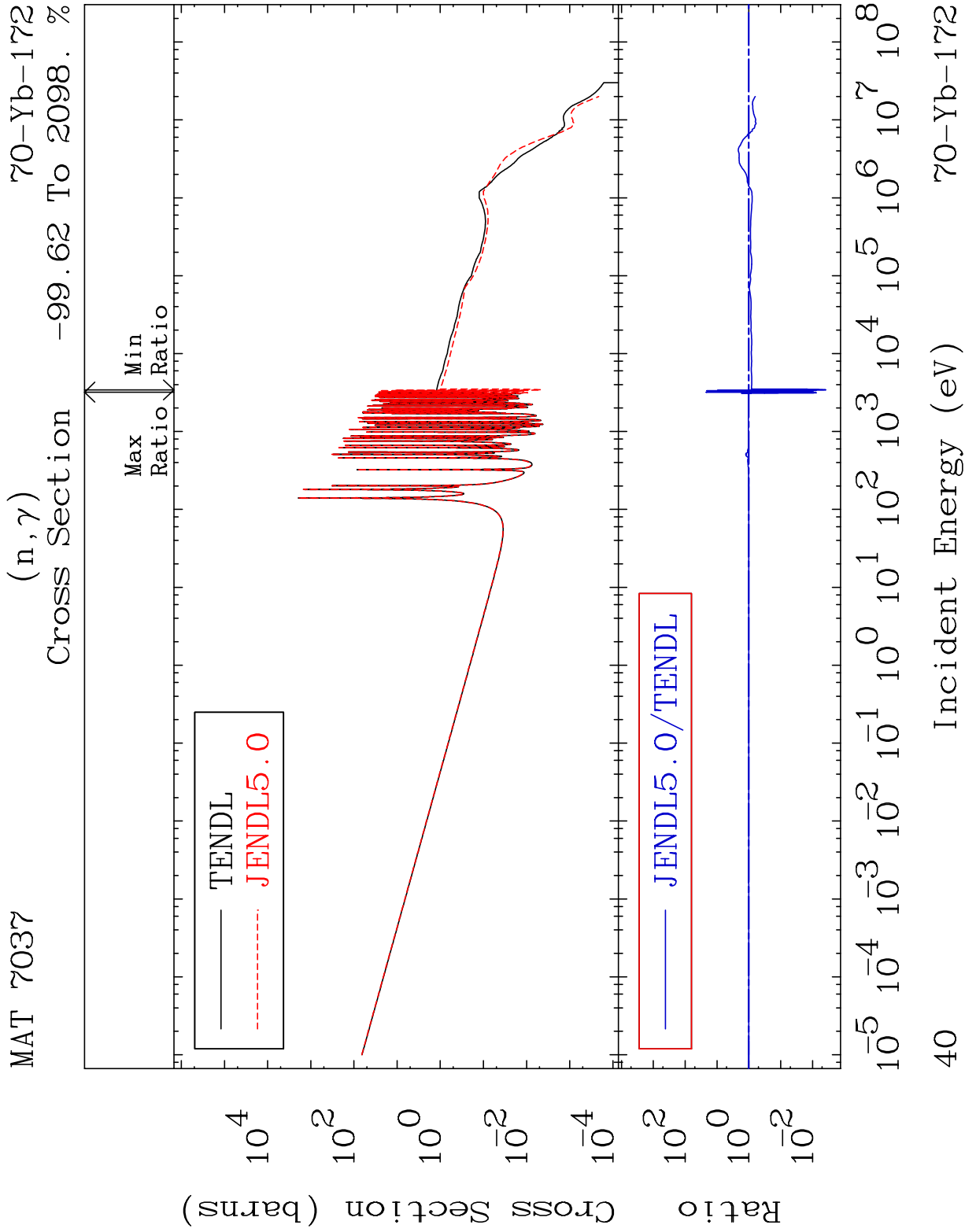
-95.46 To 375.4 %

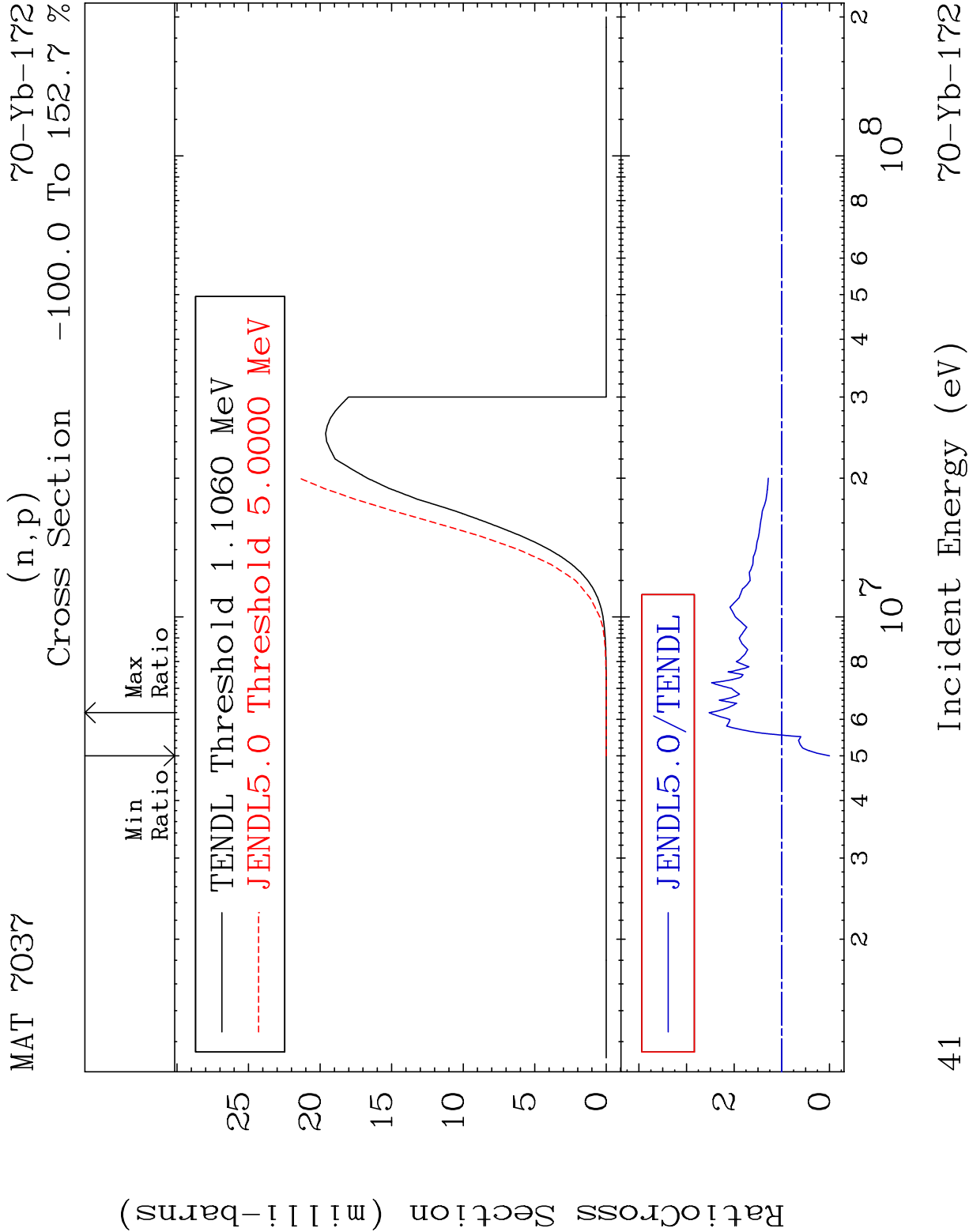


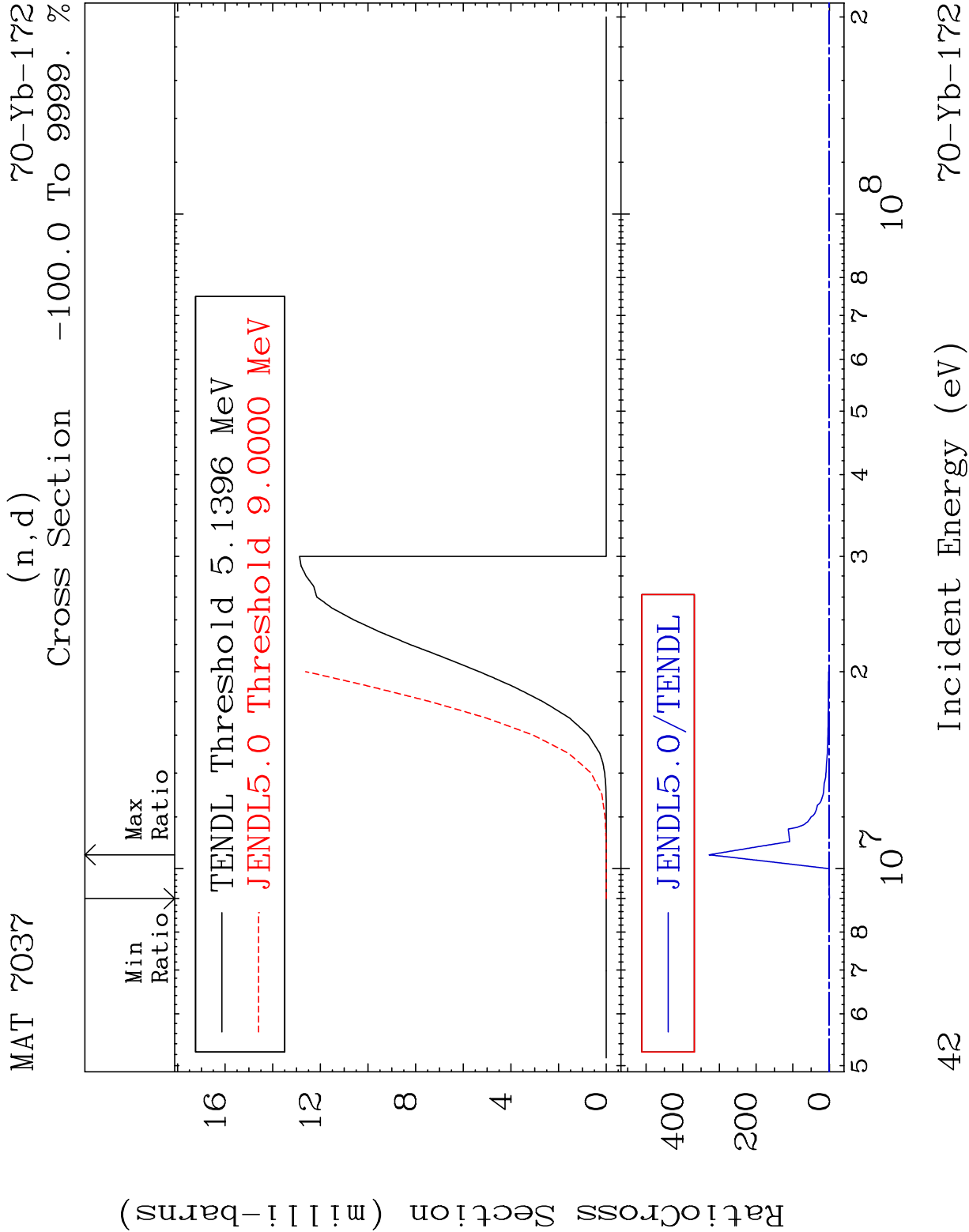


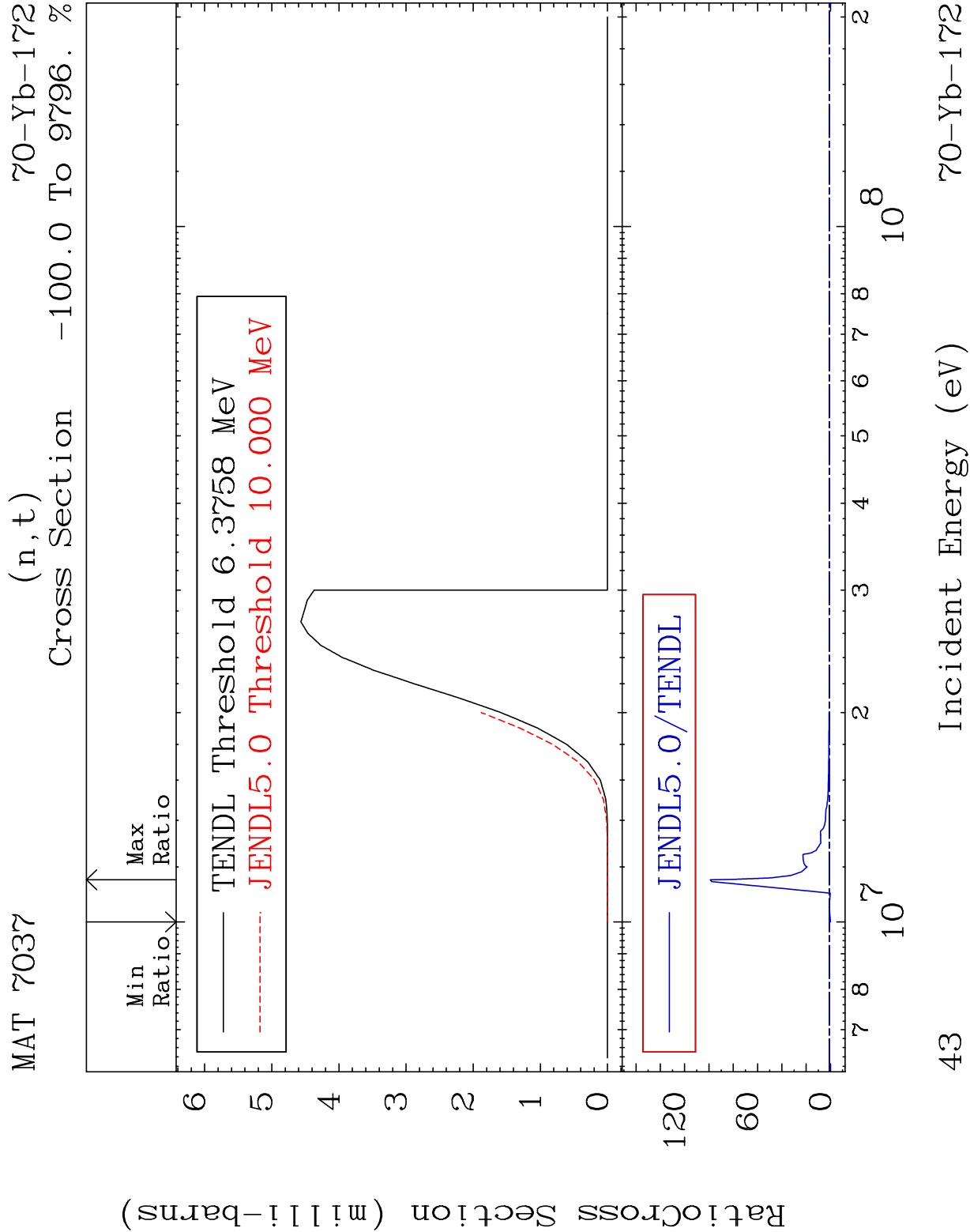


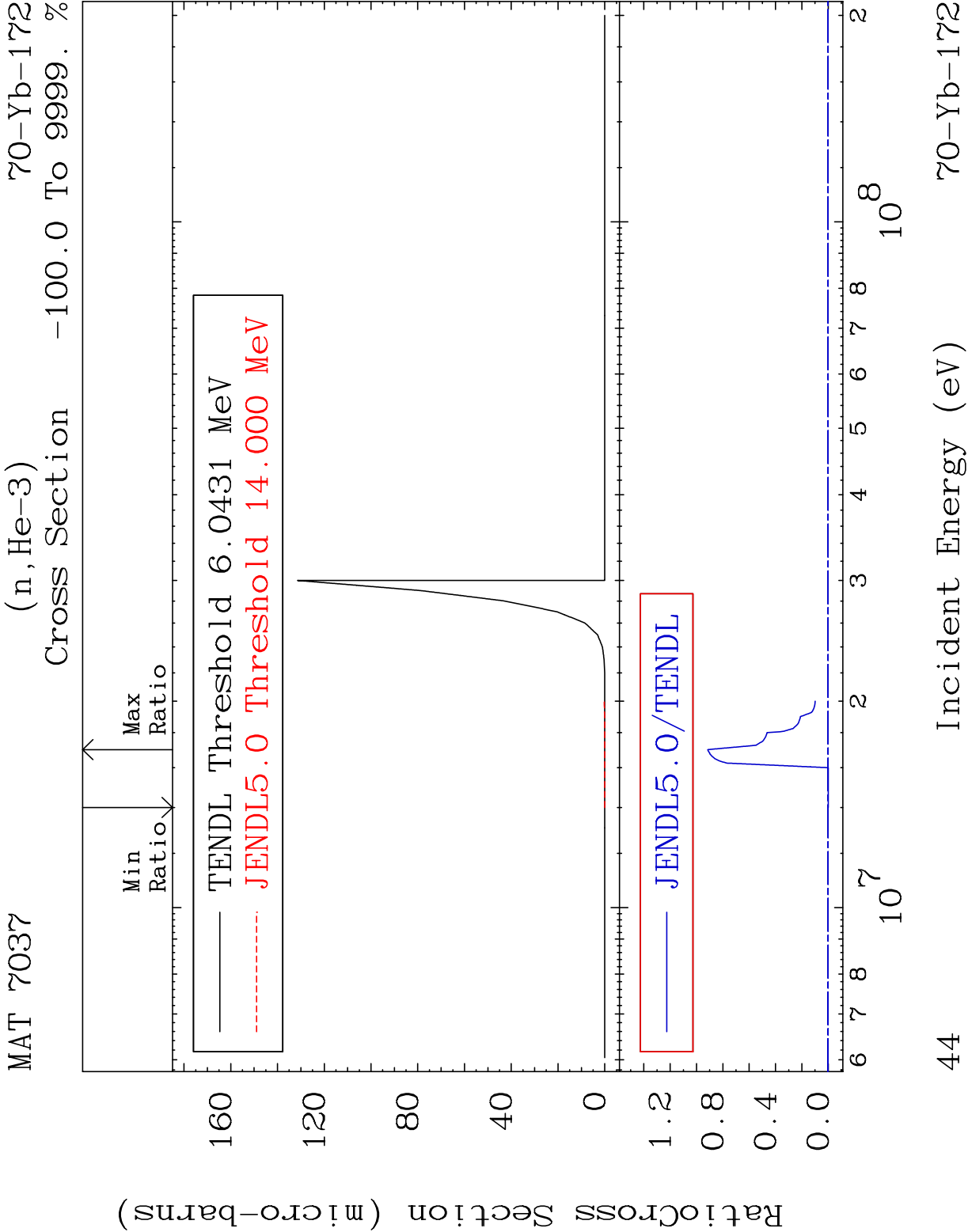


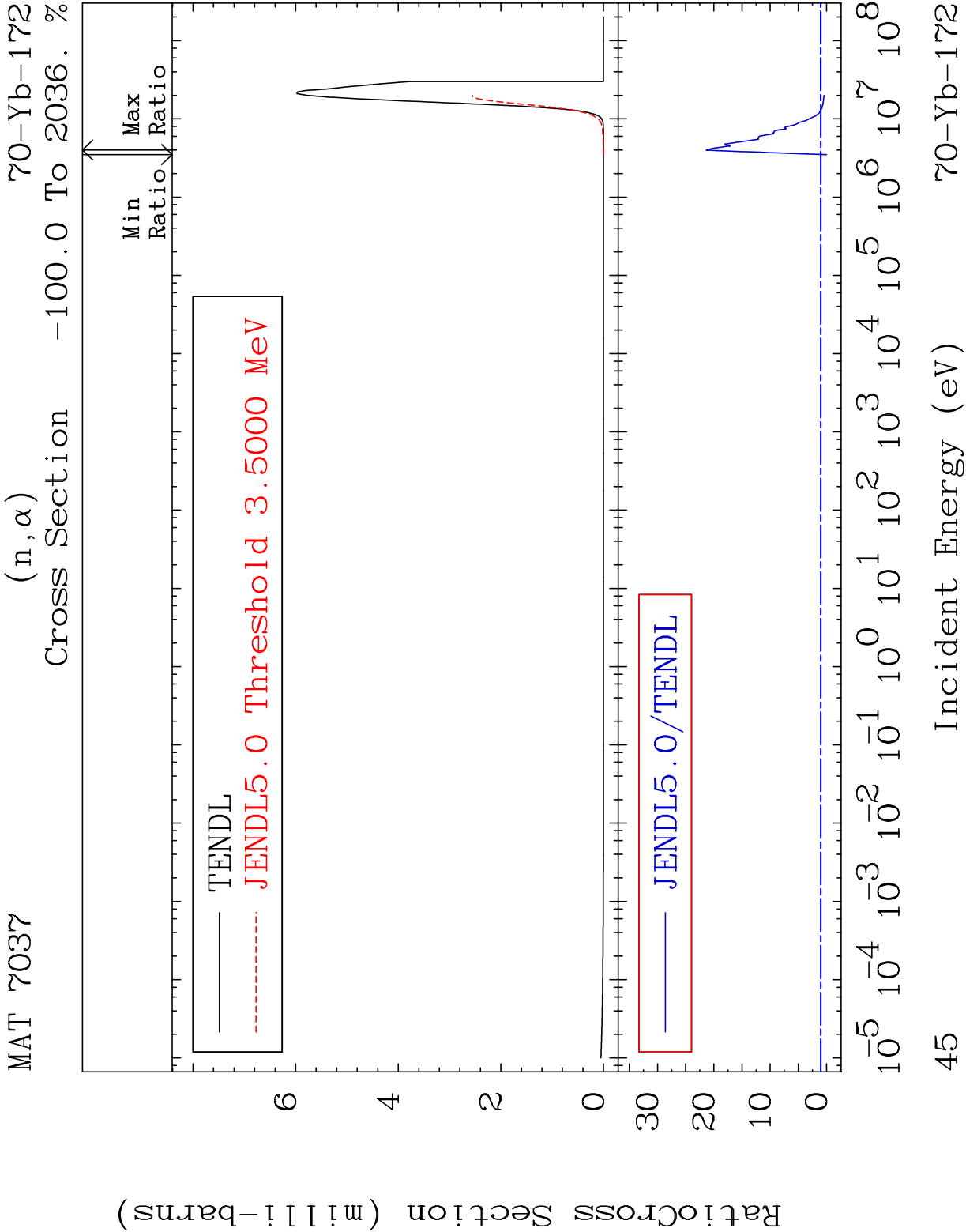


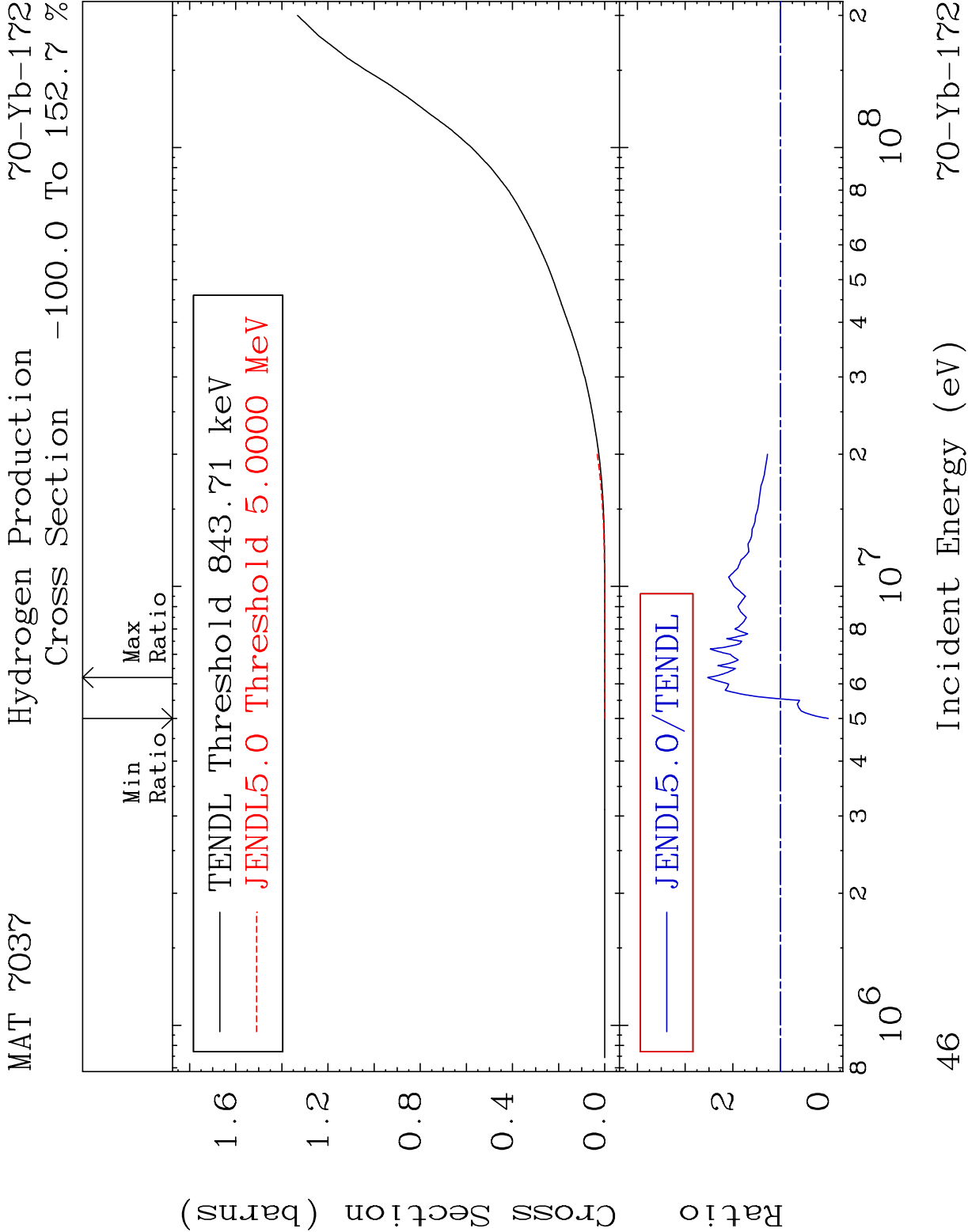


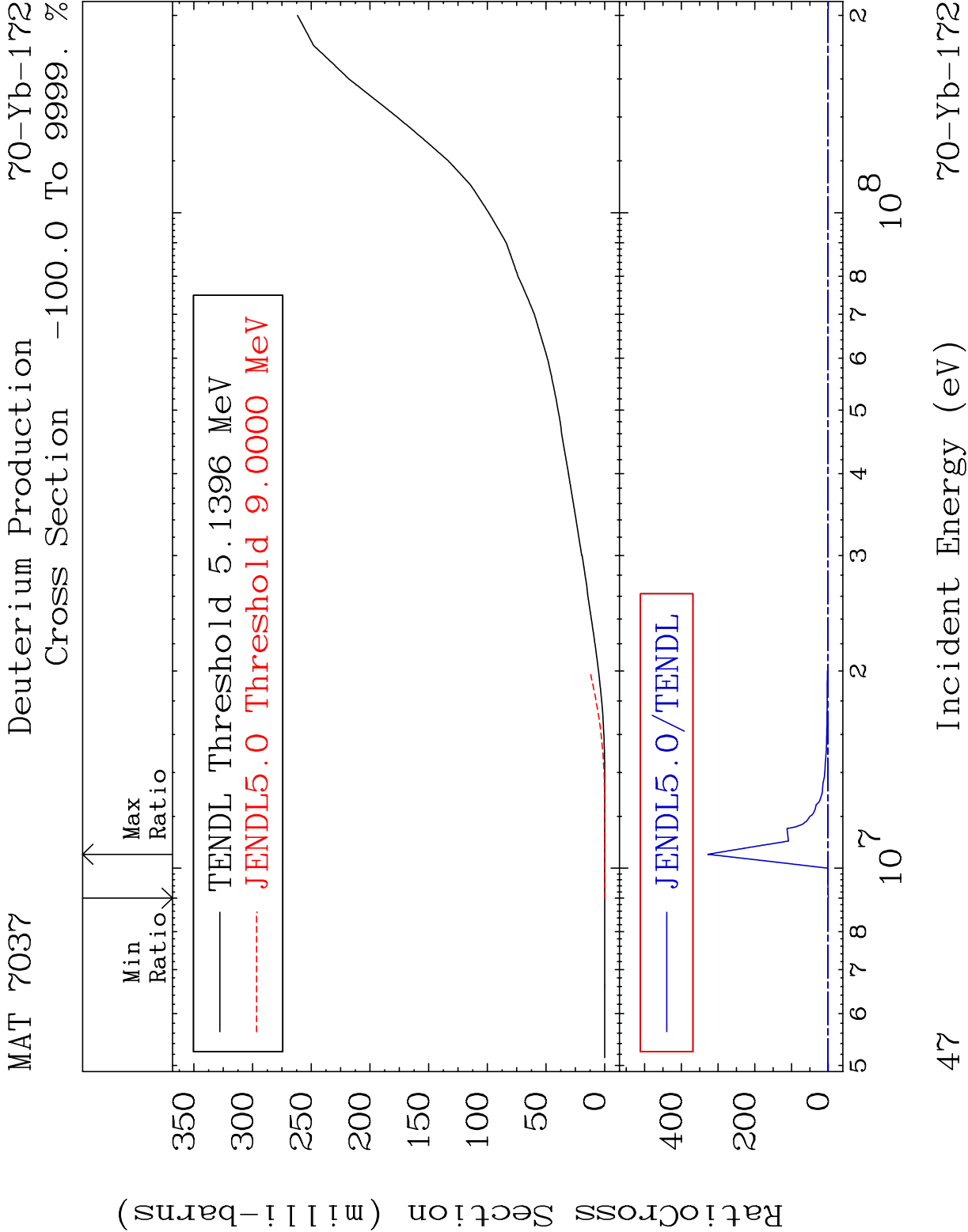


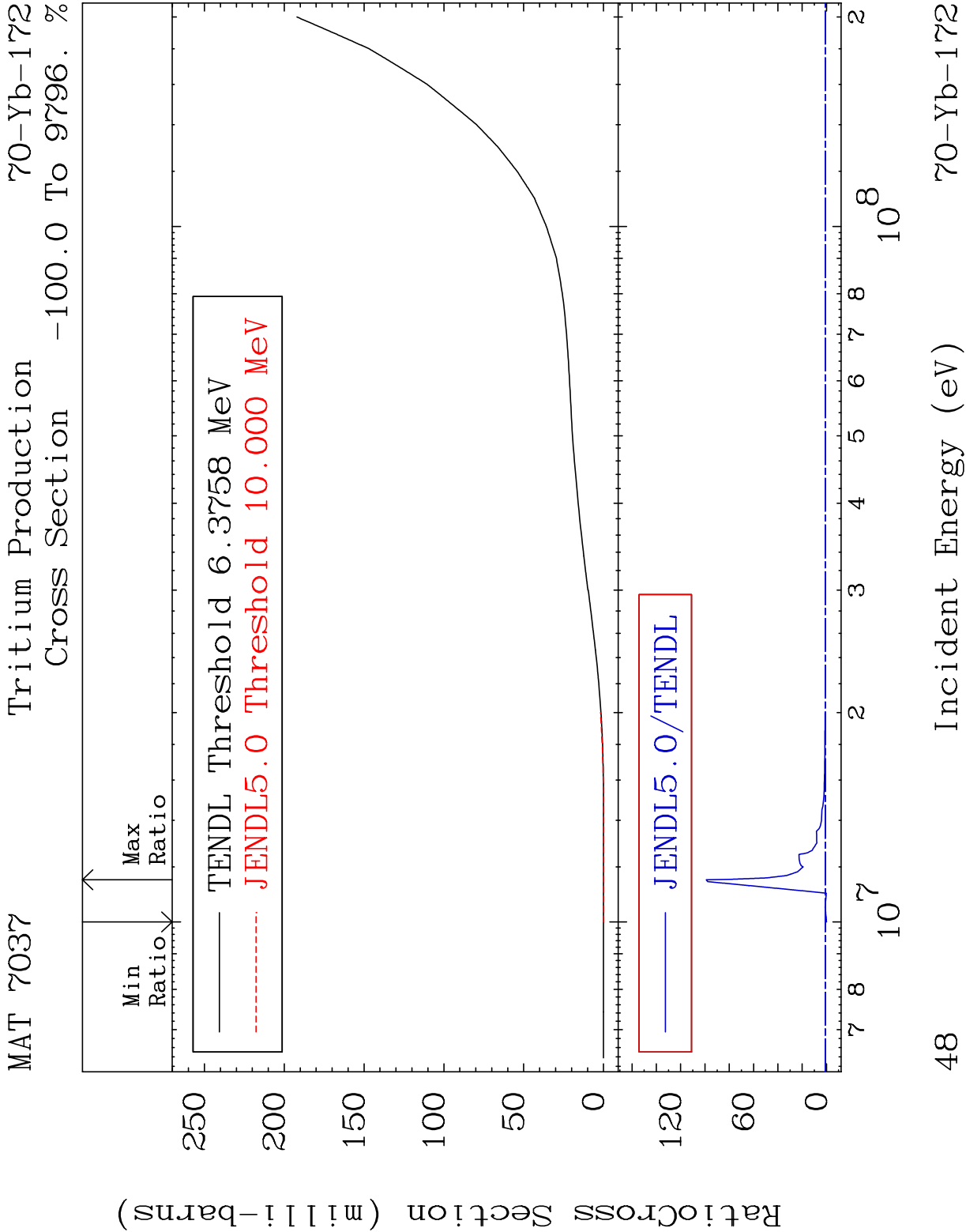


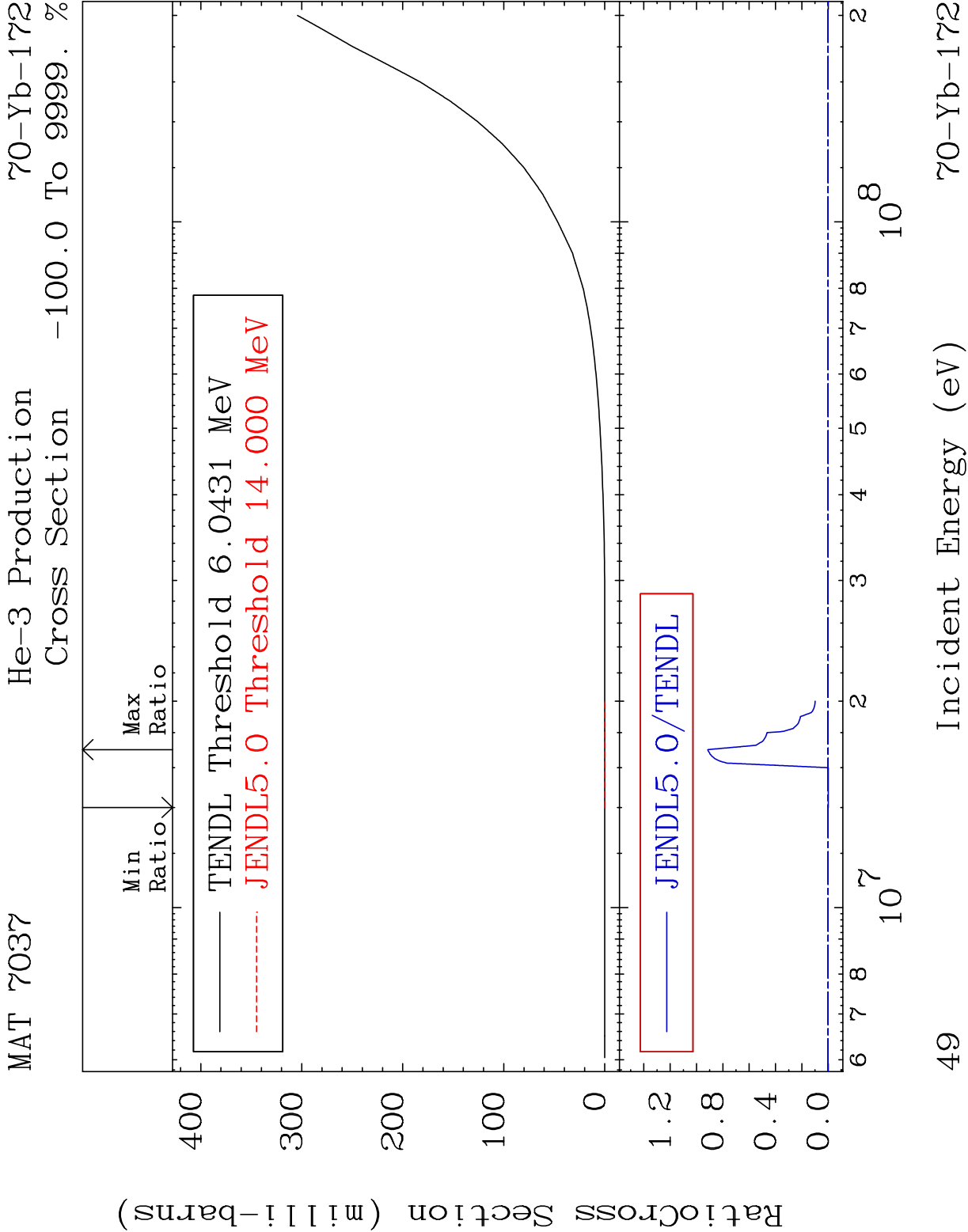


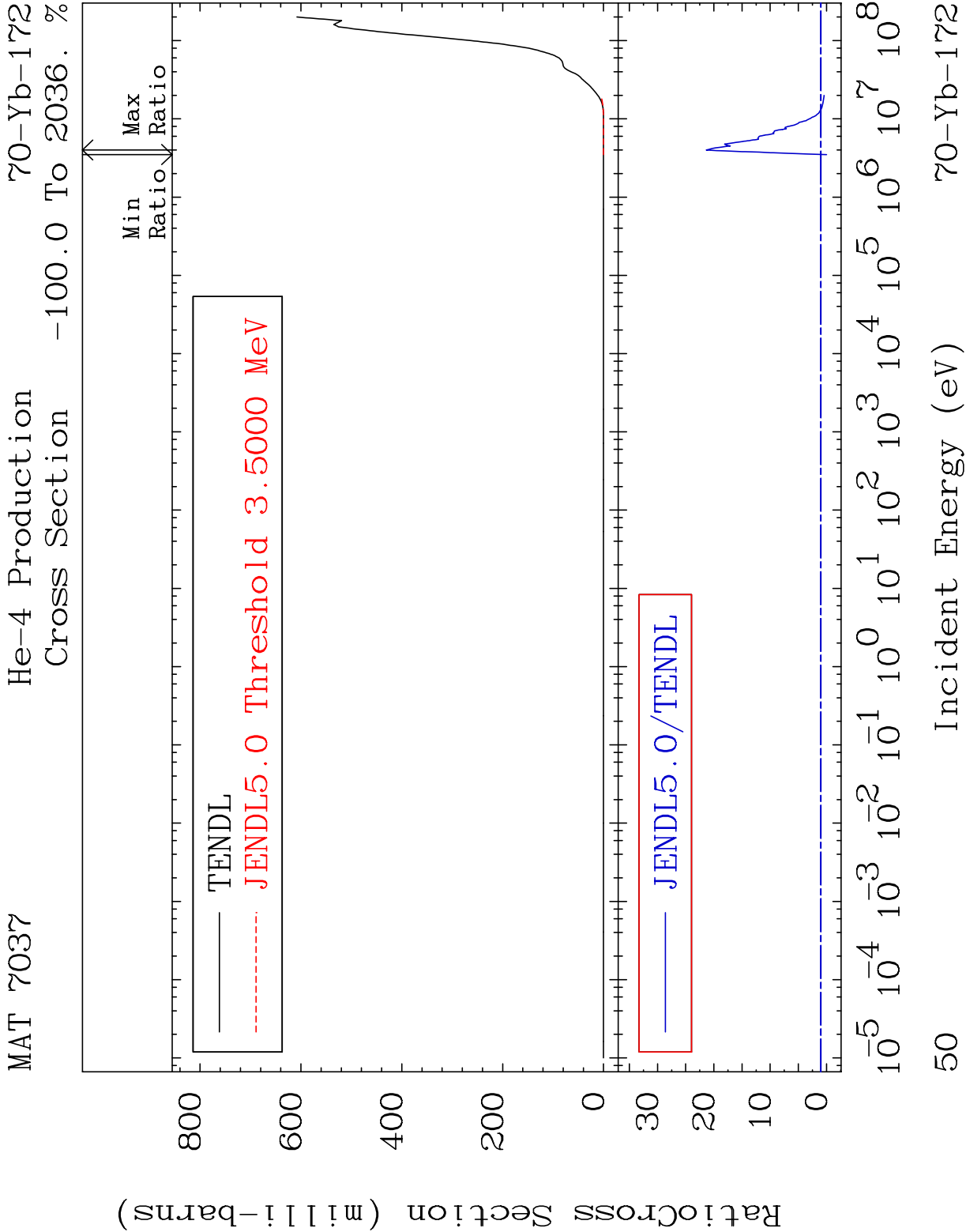


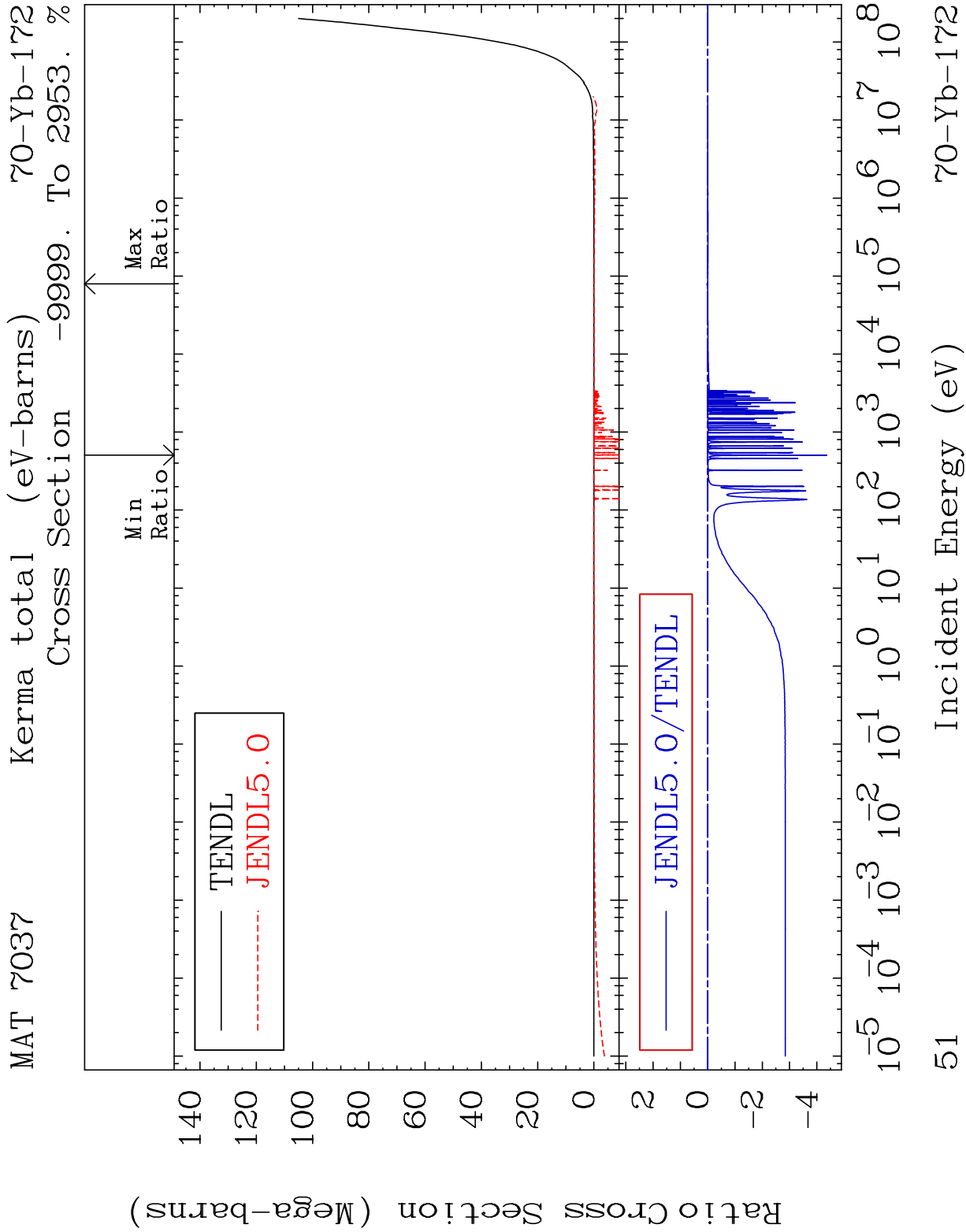


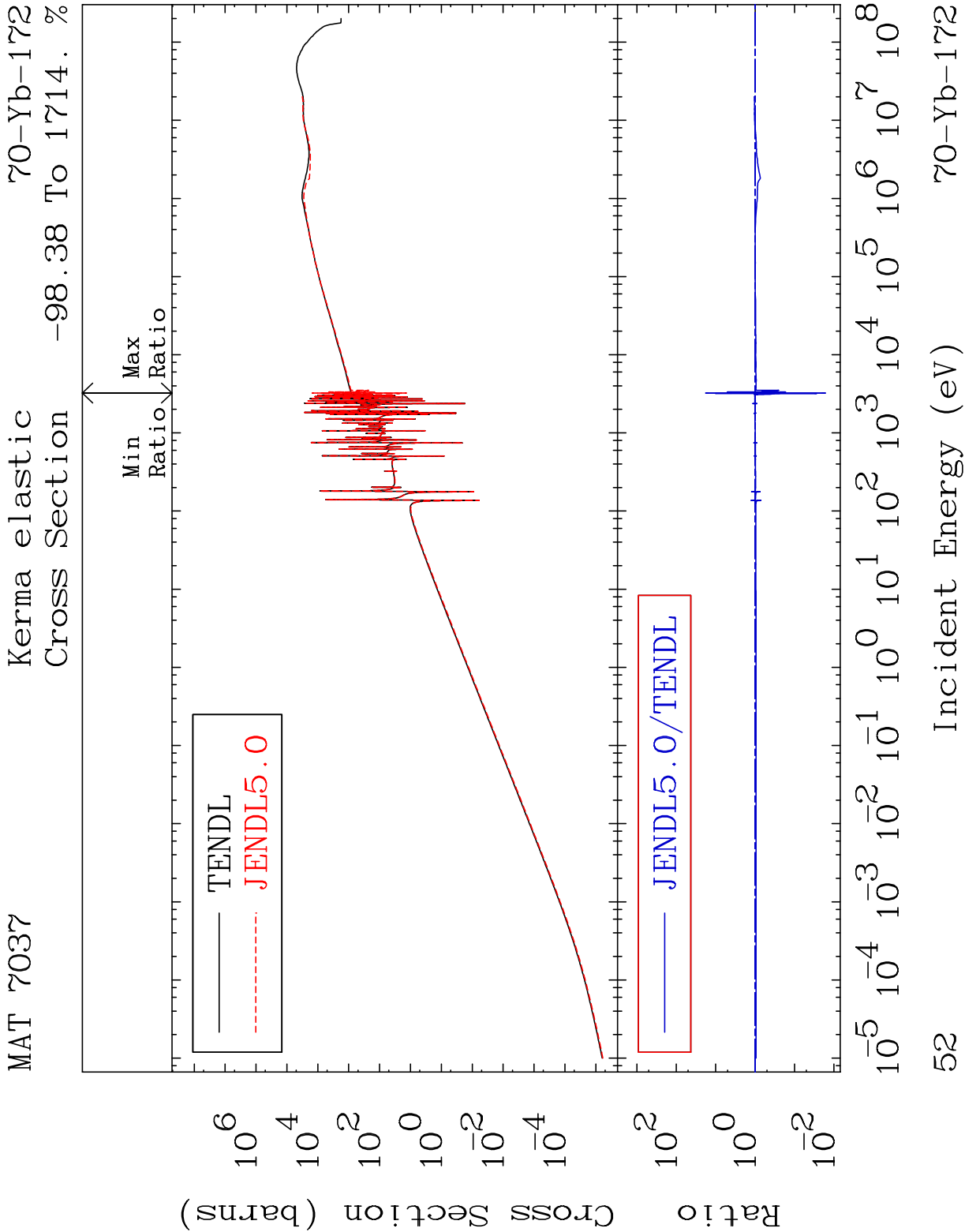


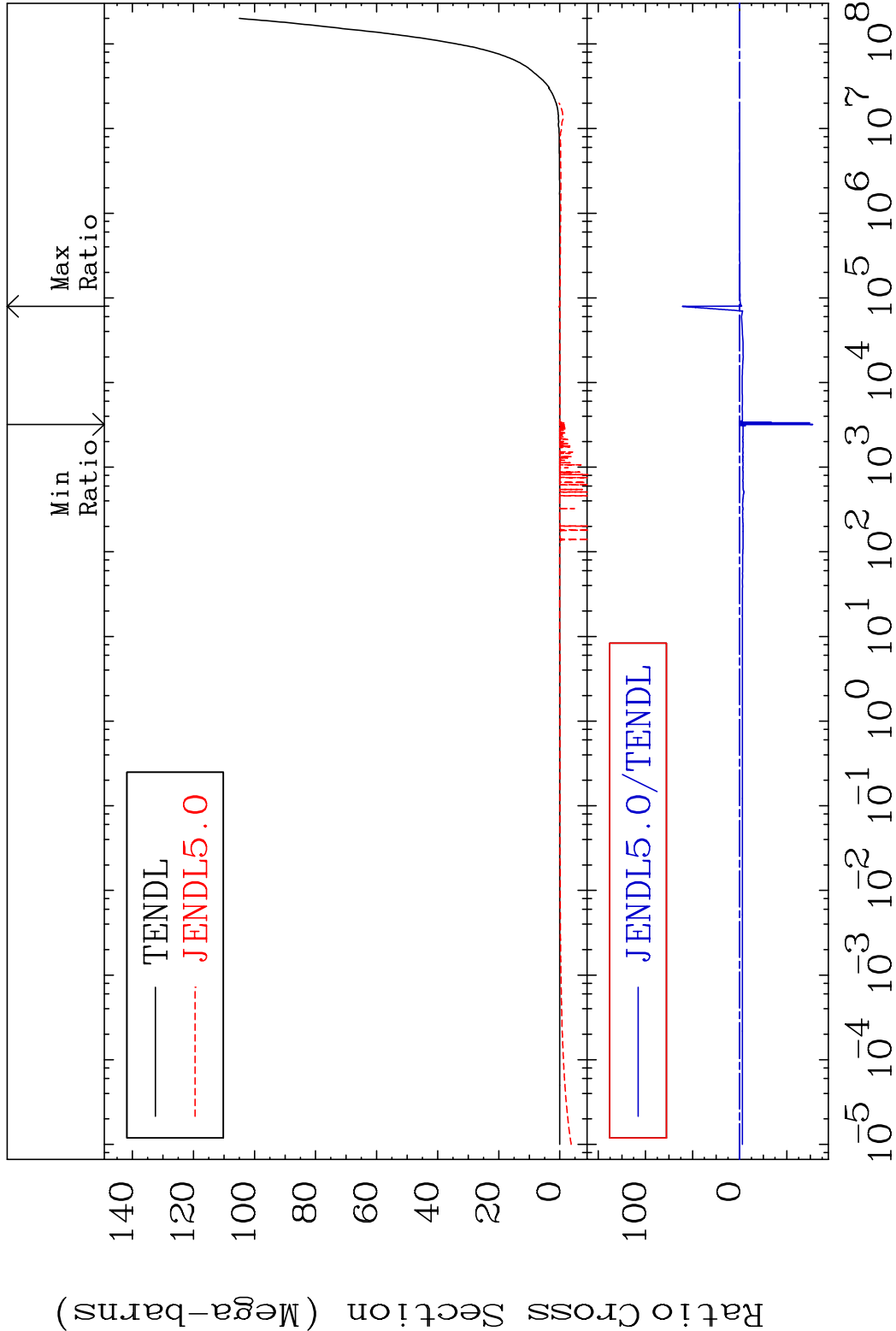


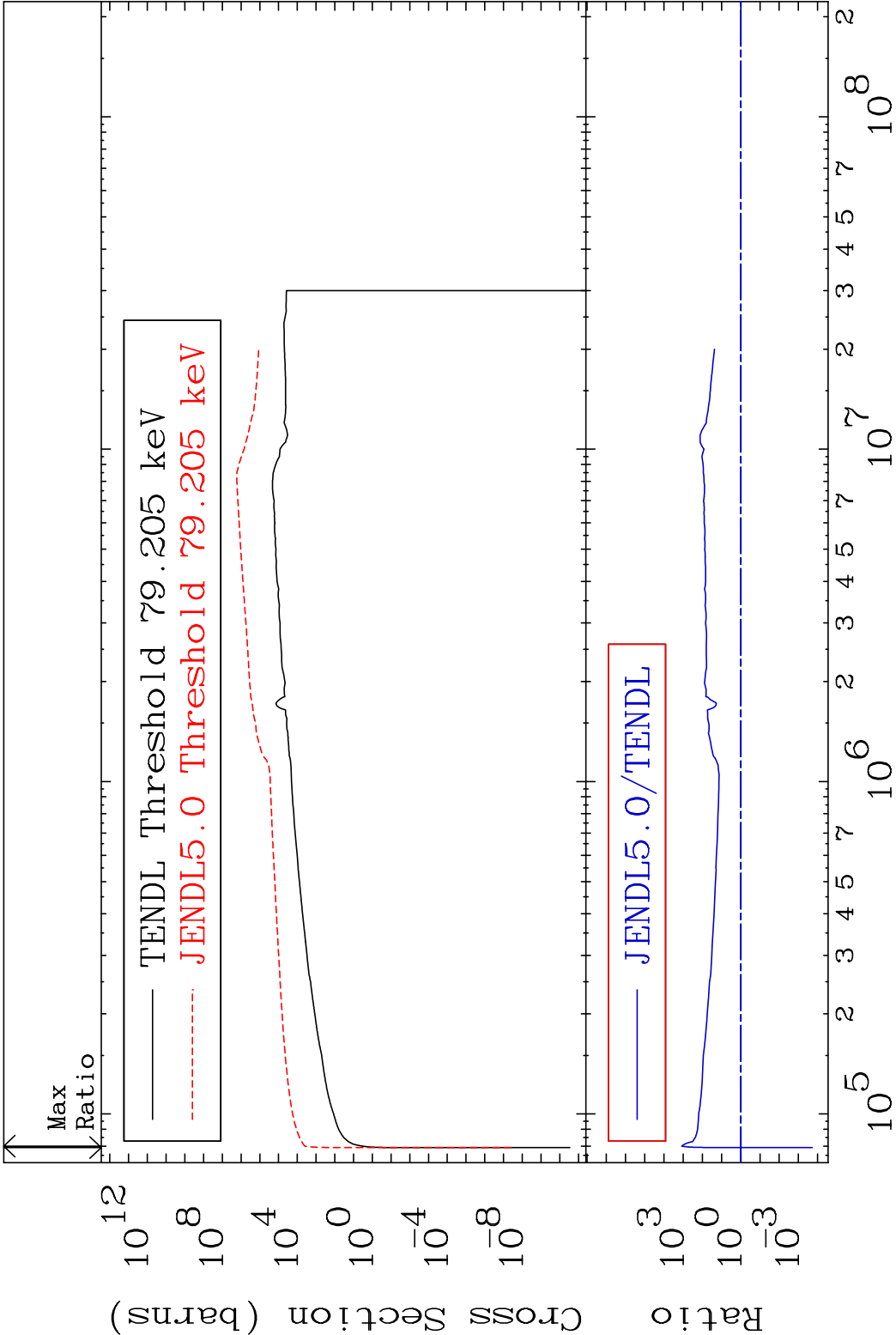




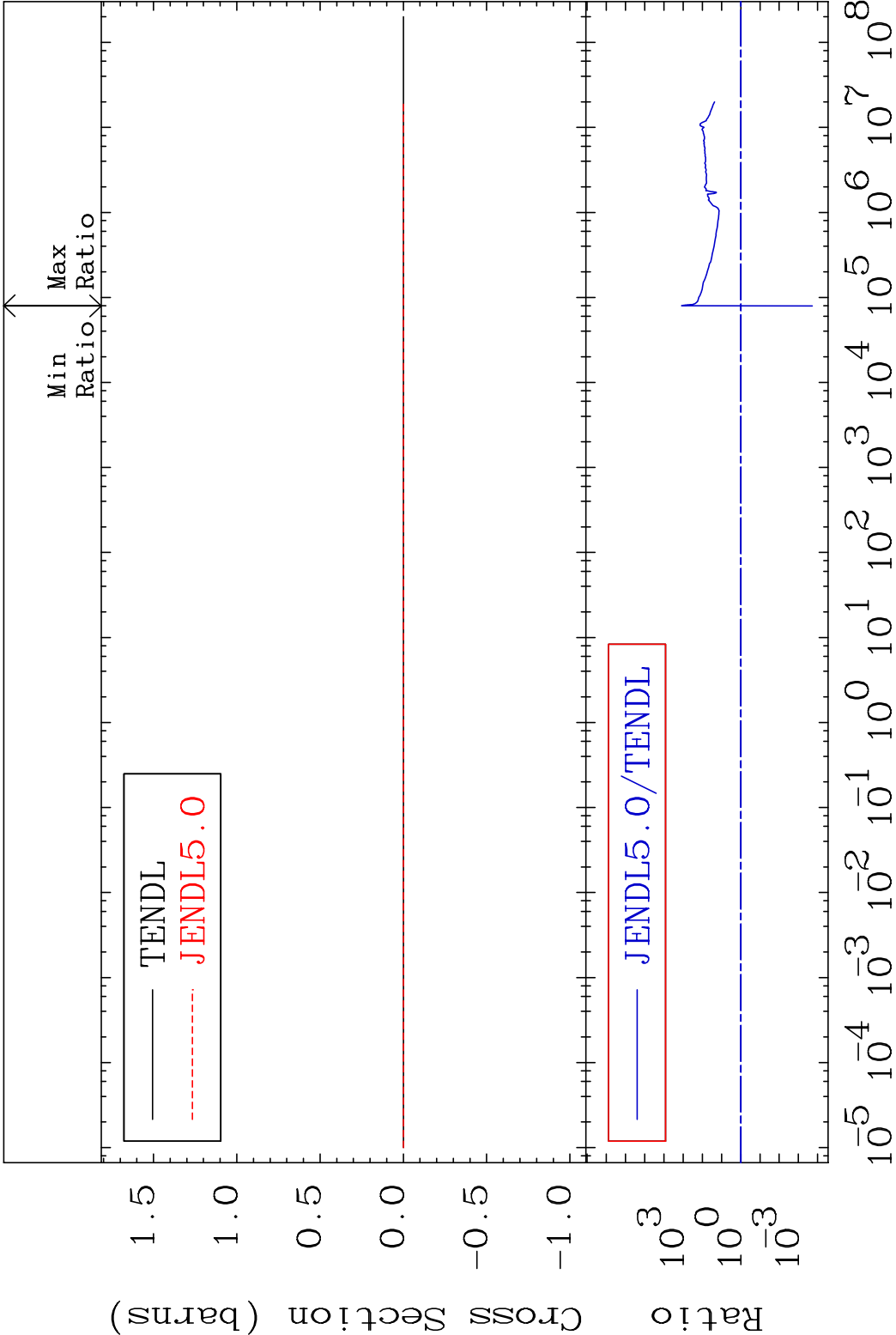


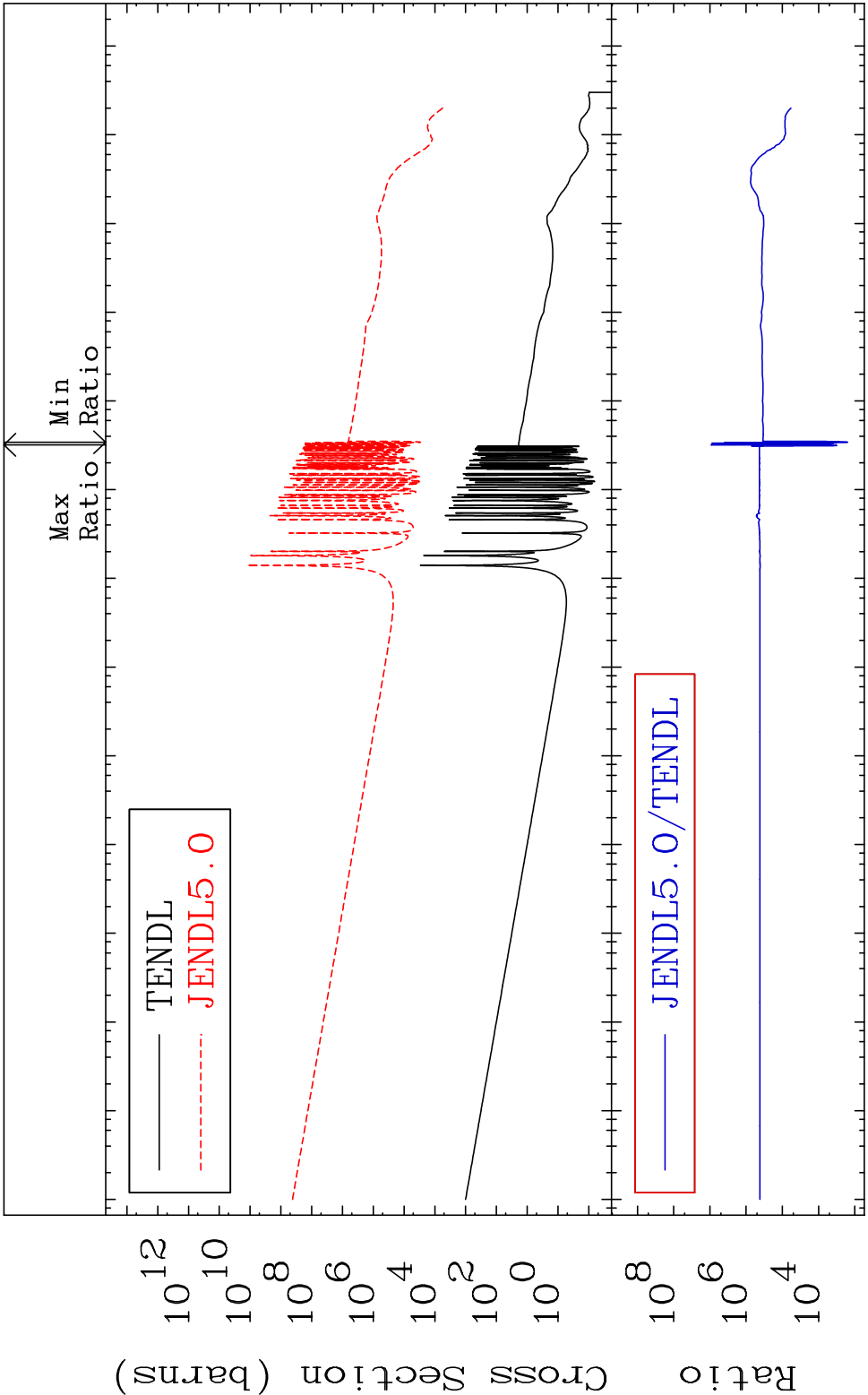


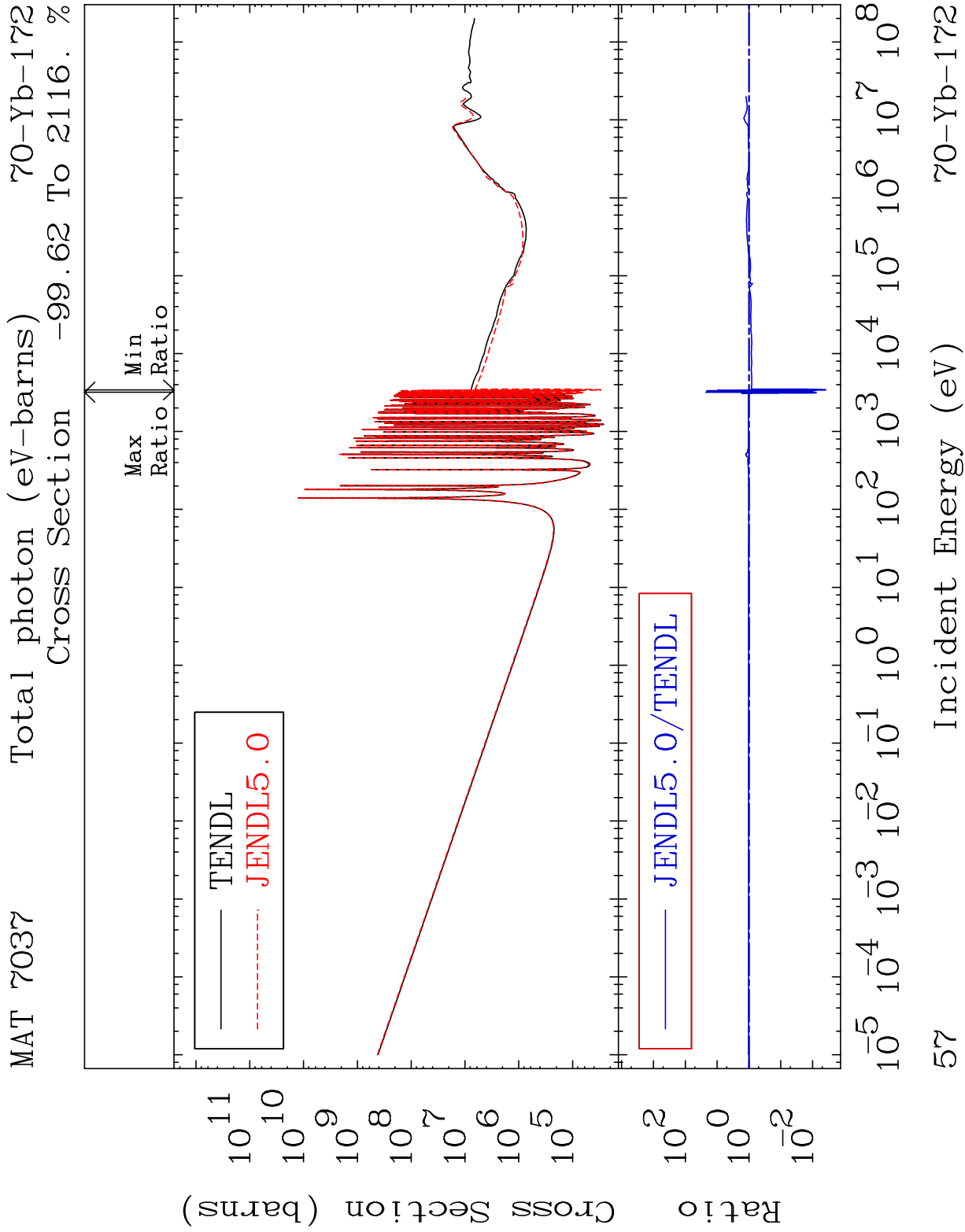




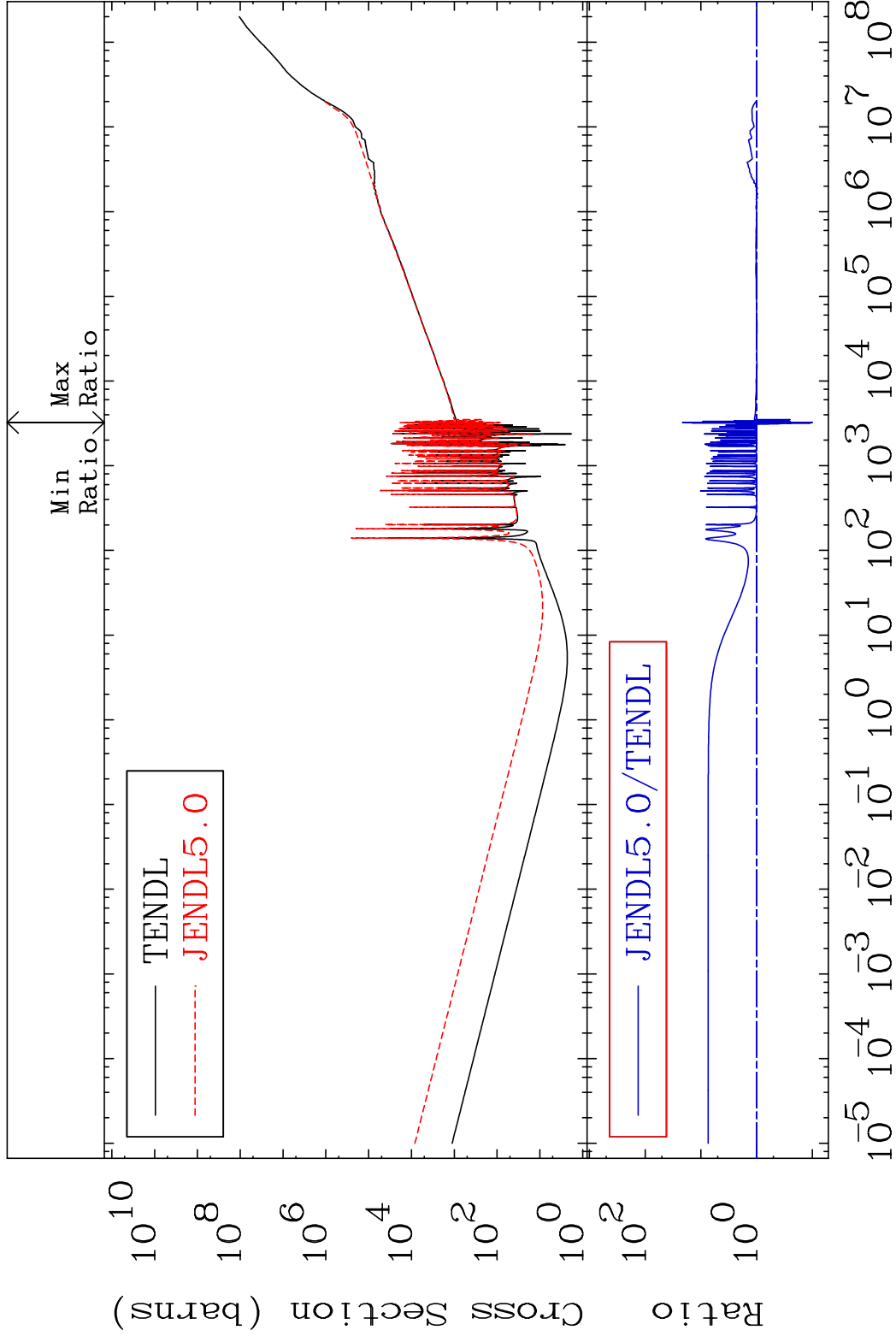
MAT 7037 Kerma fission (mt18 or mt19-20-21-38)70-Yb-172
Cross Section -99.98 To 9999. %

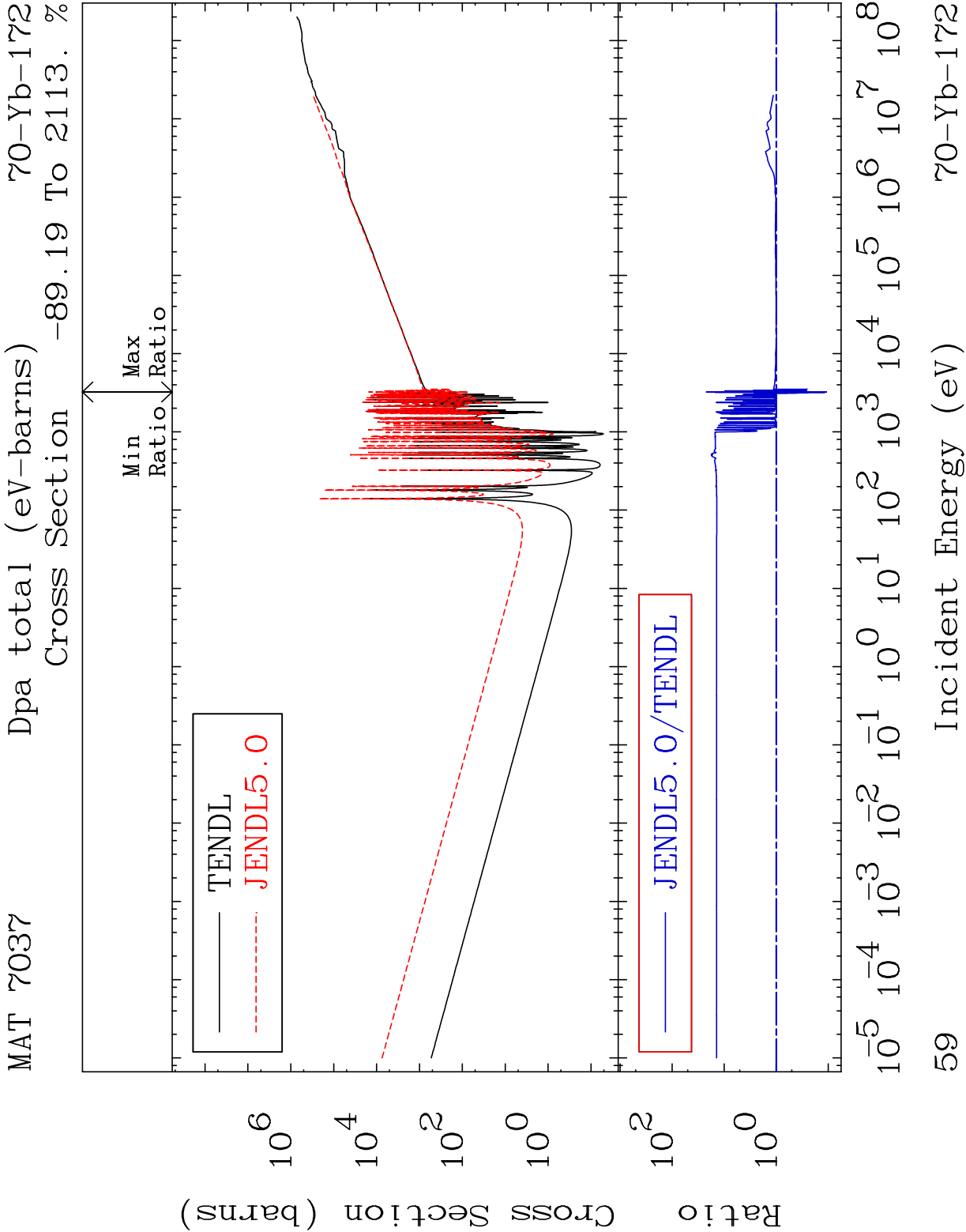




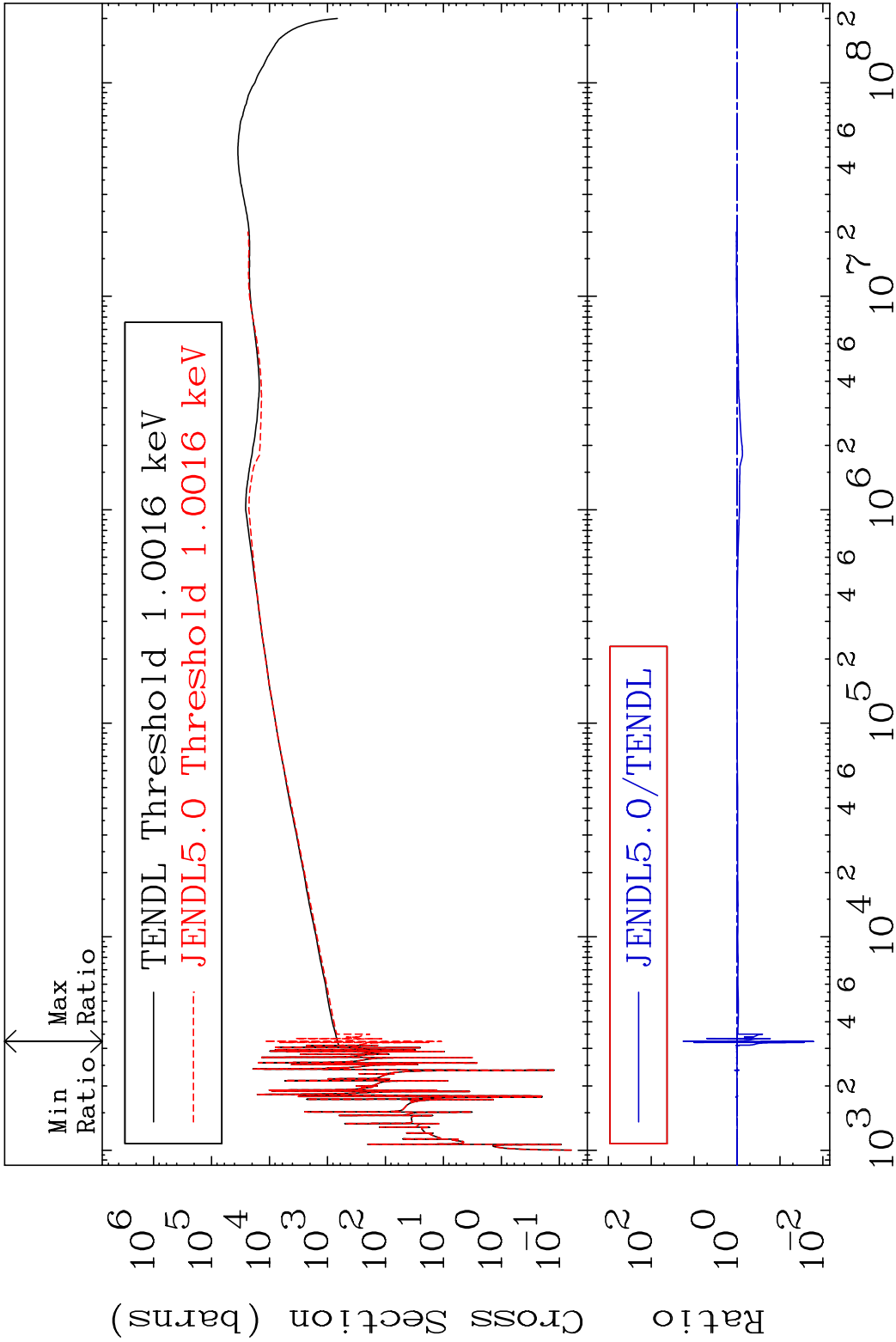


MAT 7037 Total kinematic kerma (high limit) 70-Yb-172
Cross Section -90.05 To 2054. %

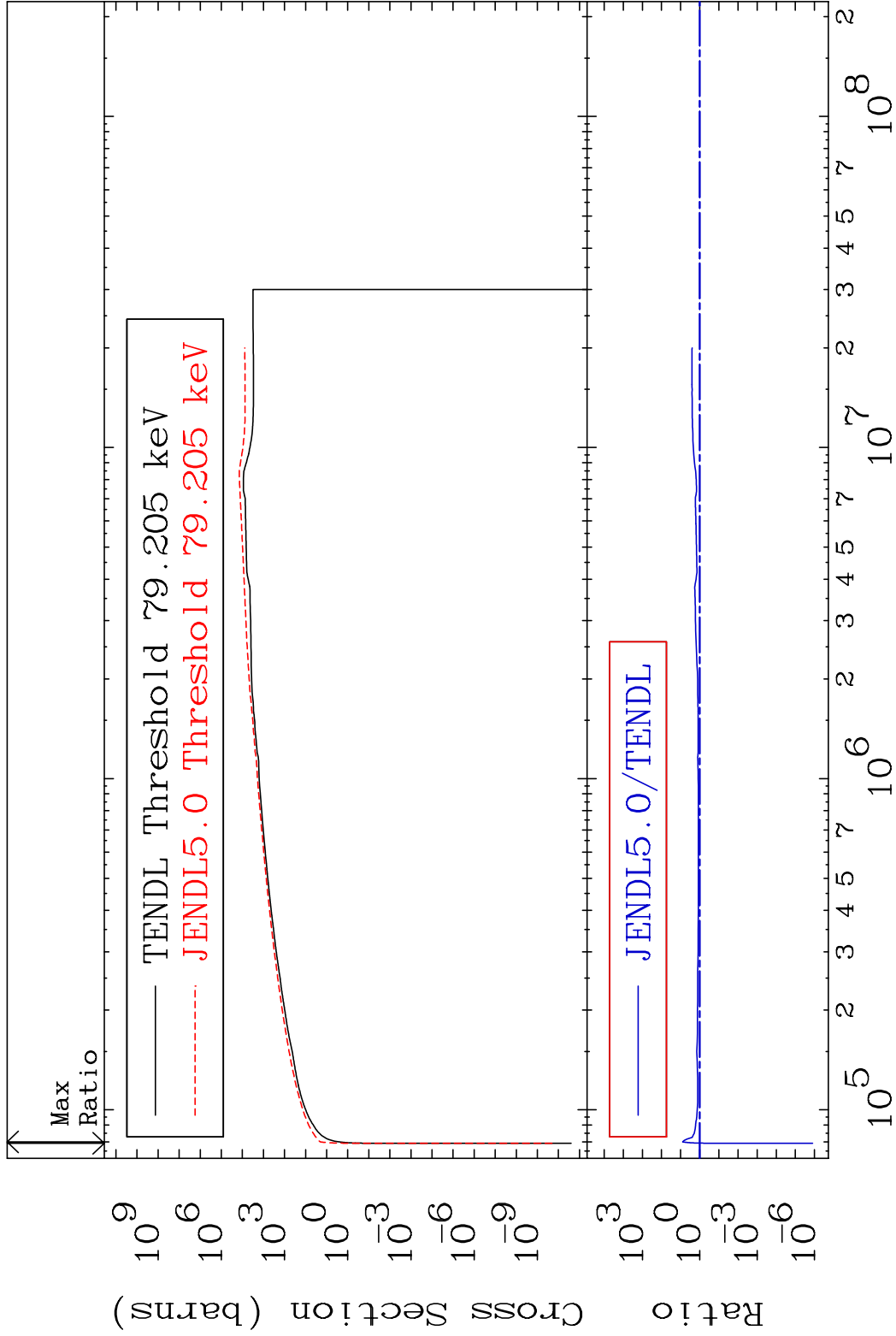




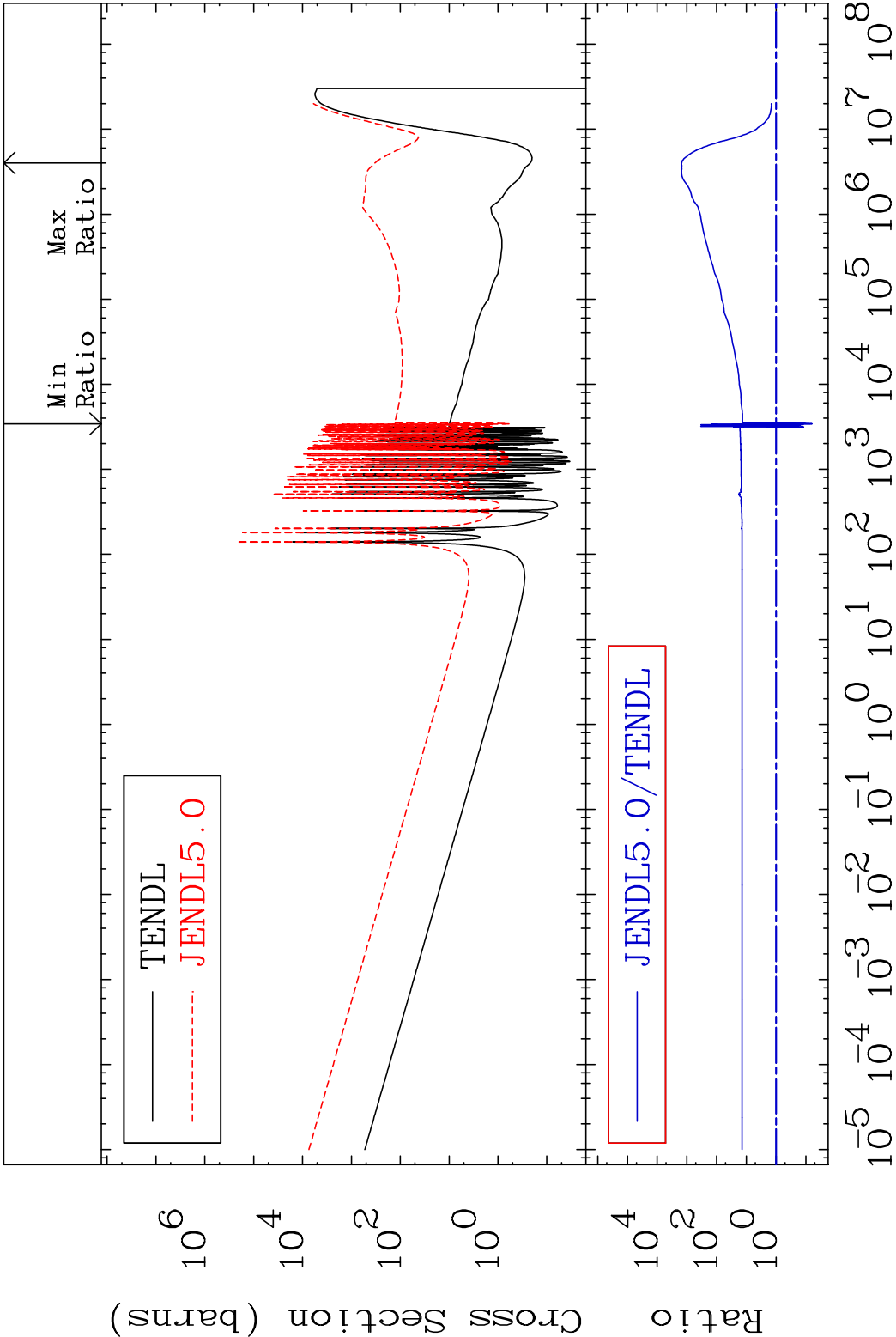
MAT 7037 Dpa elastic (mt2) 70-Yb-172
Cross Section -98.38 To 1714. %



70-Yb-172



MAT 7037 Dpa disappearance (mt102 -120) 70-Yb-172
Cross Section -93.93 To 9999. %



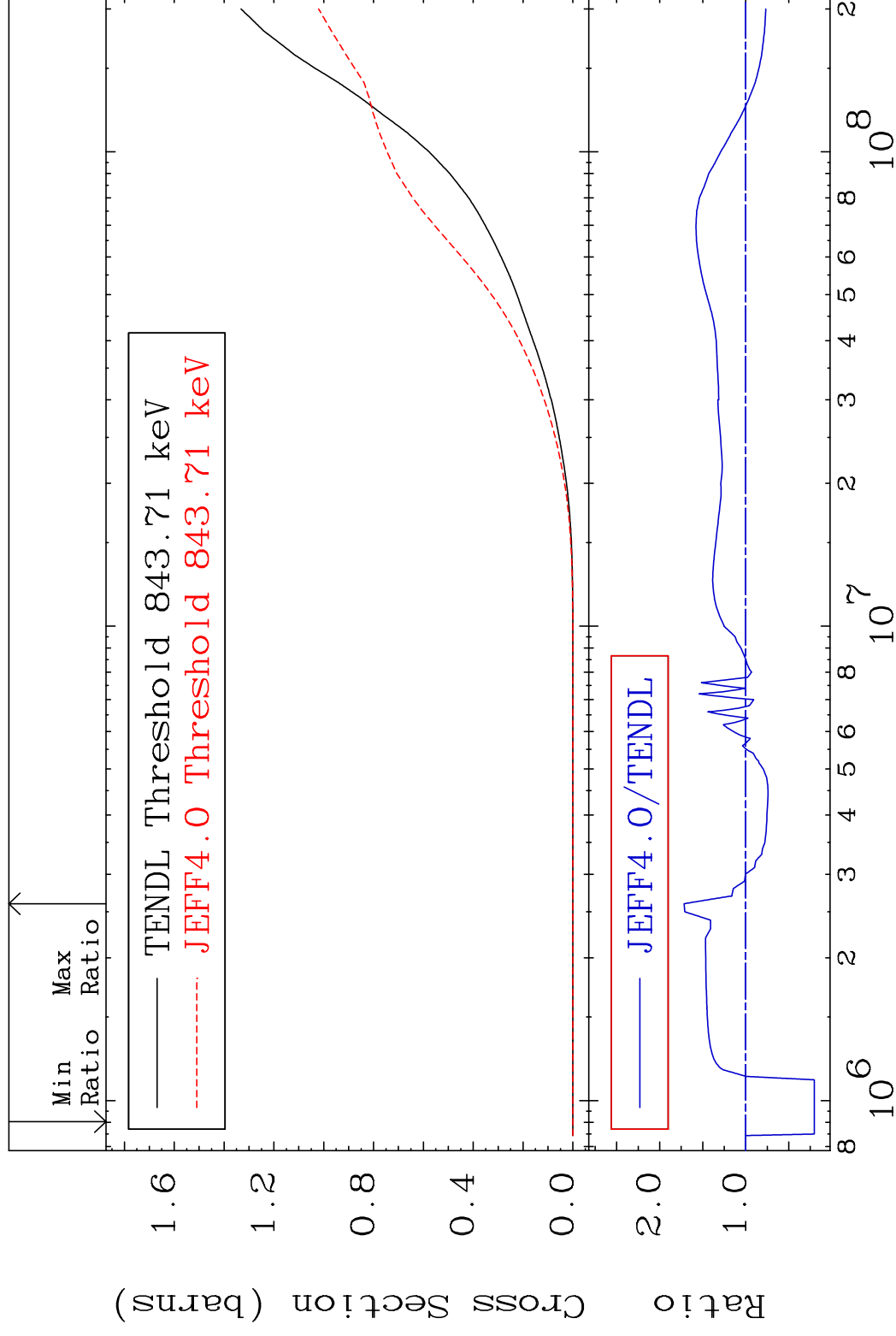
62 Incident Energy (eV) 70-Yb-172

MAT 7037

Hydrogen Production

70-Yb-172

Cross Section -79.66 To 71.64 %



TENDL Threshold 843.71 keV

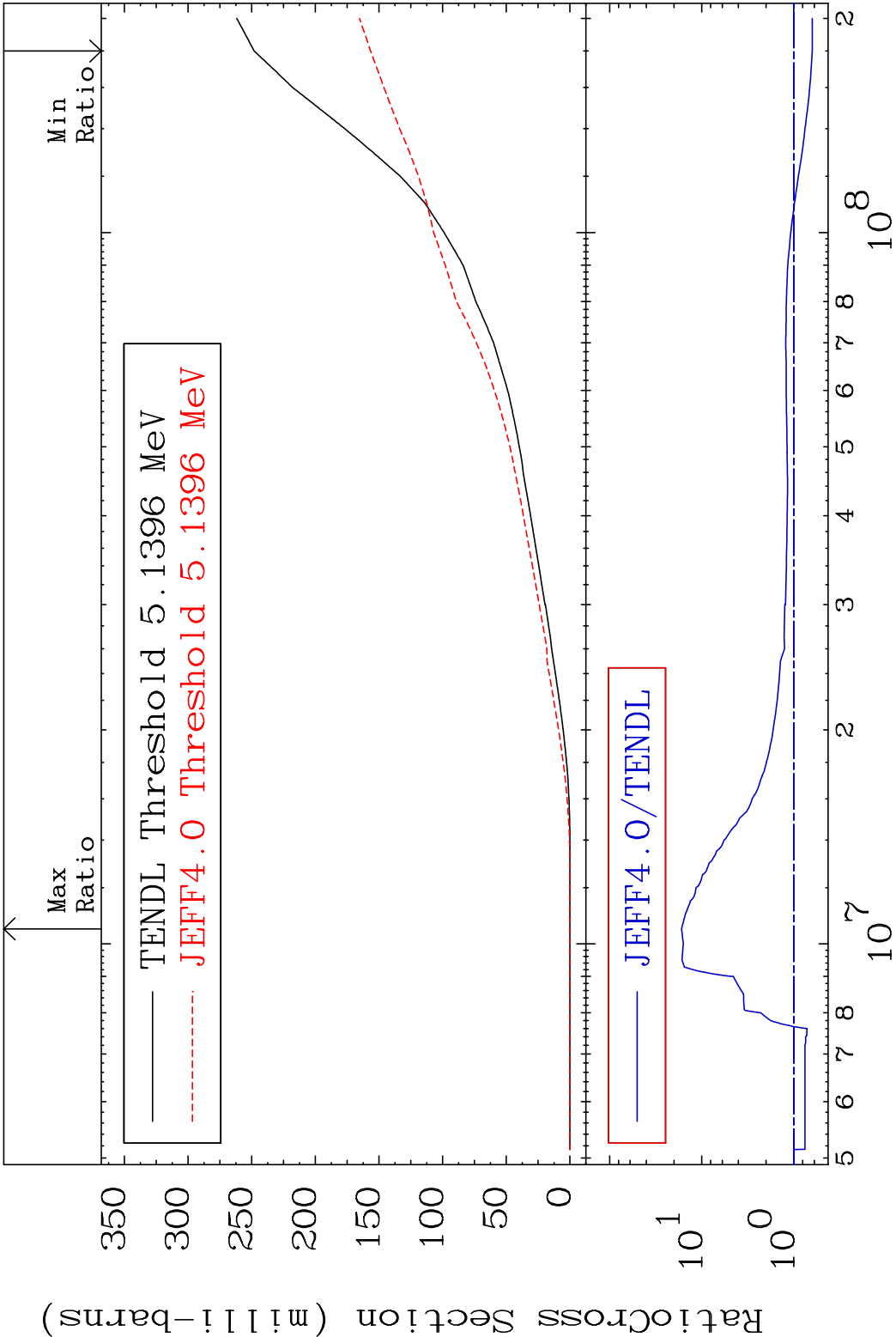
JEF4.0 Threshold 843.71 keV

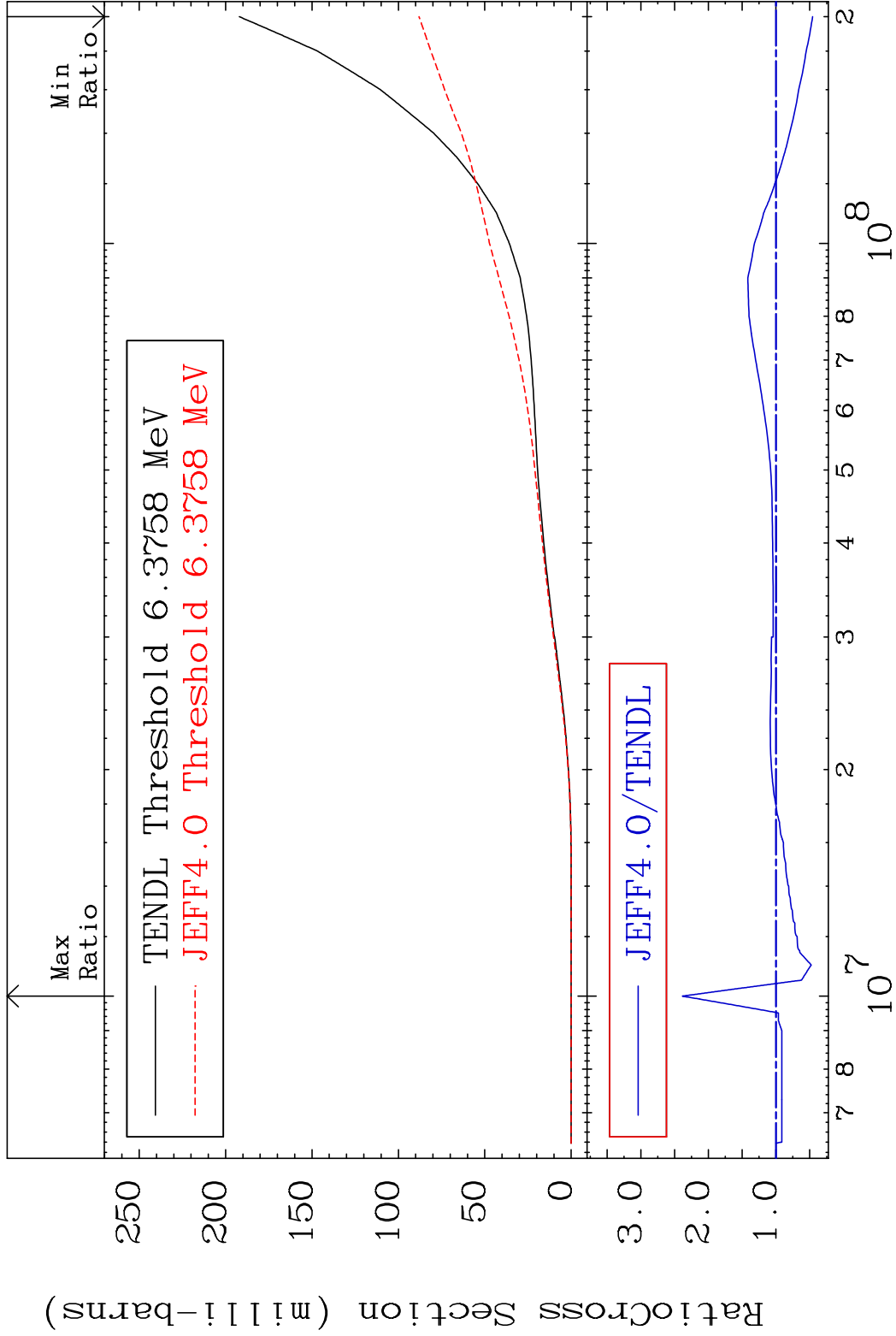
JEFF4.O/TENDL

36

Incident Energy (eV)

70-Yb-172



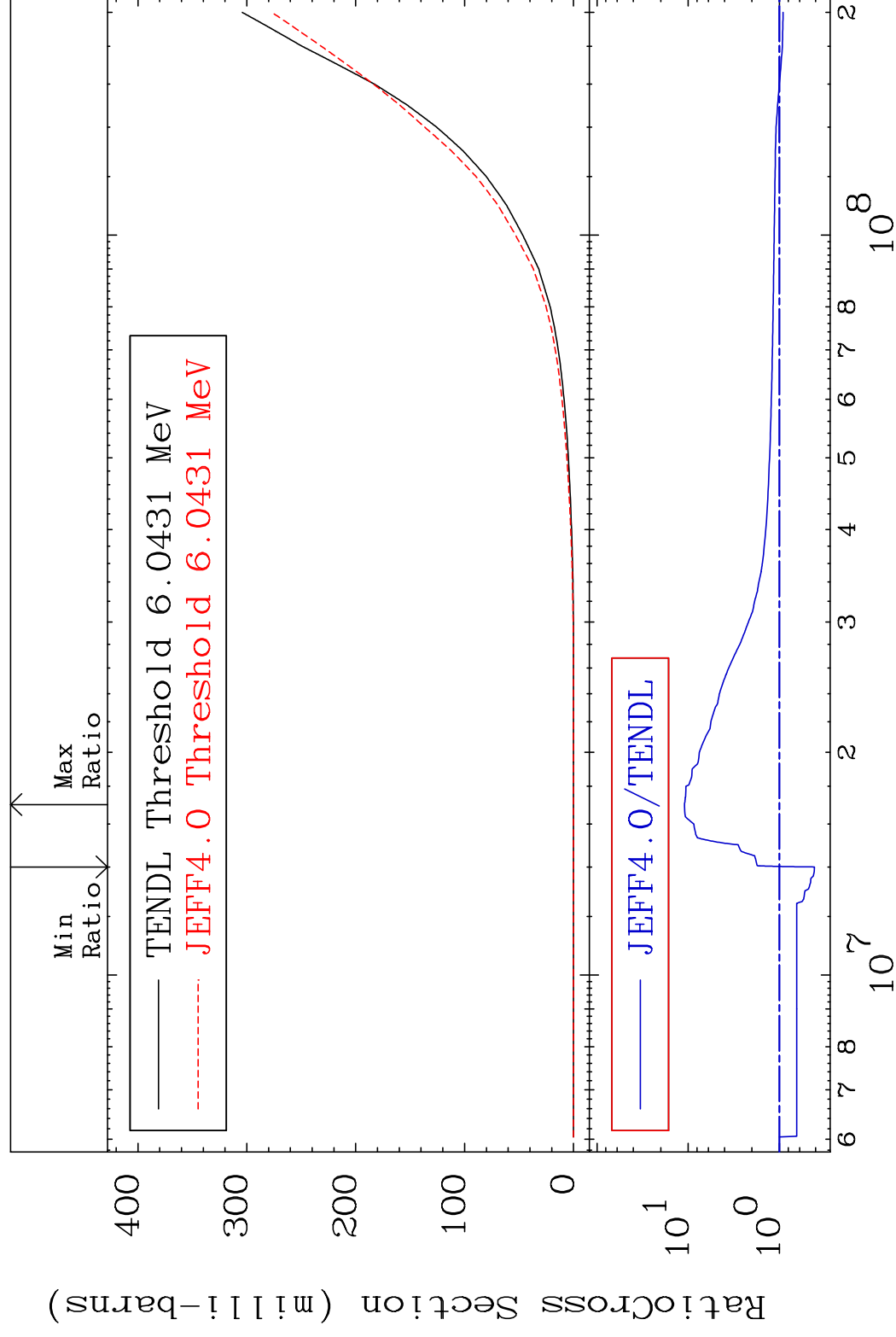


MAT 7037

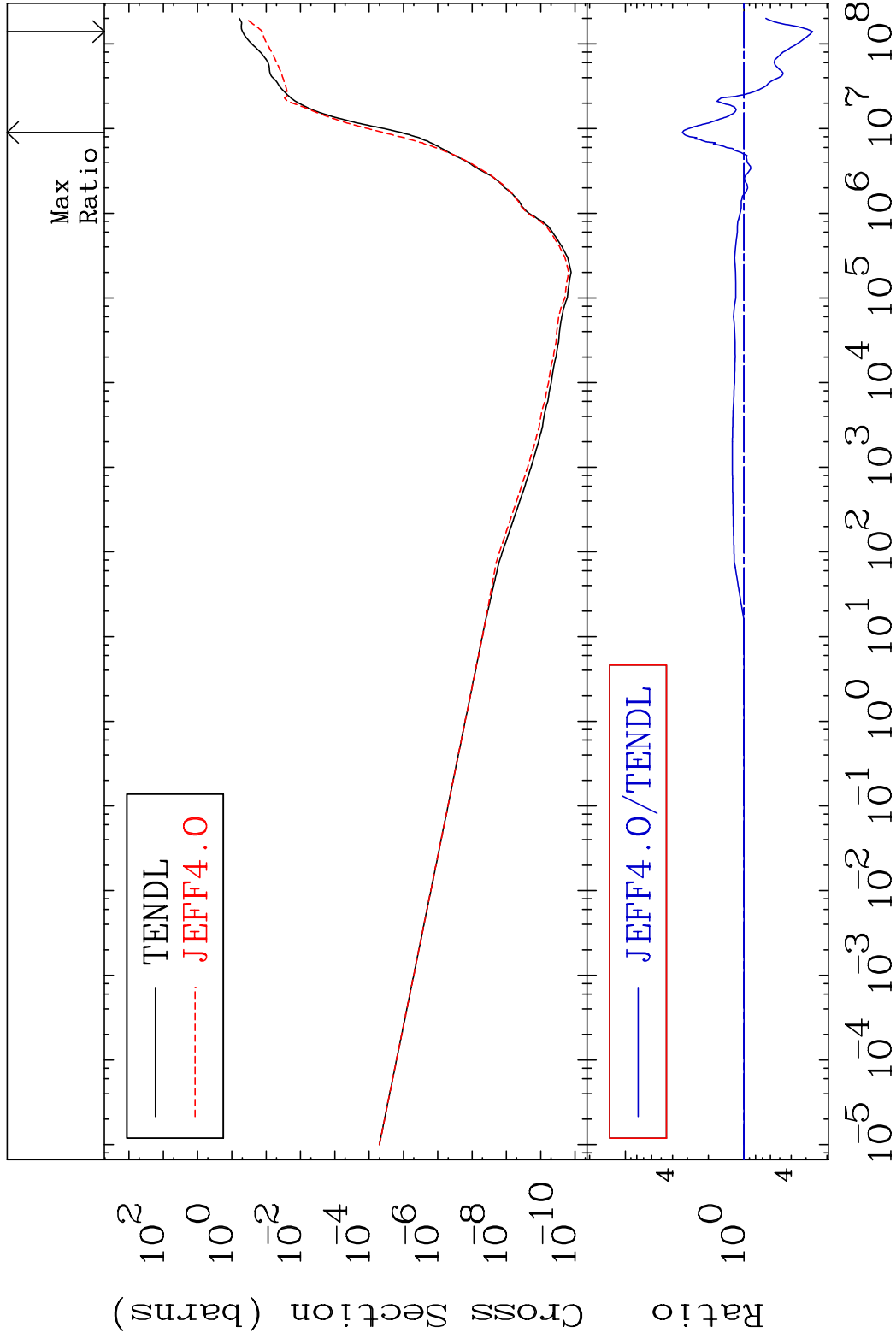
He-3 Production

70-Yb-172

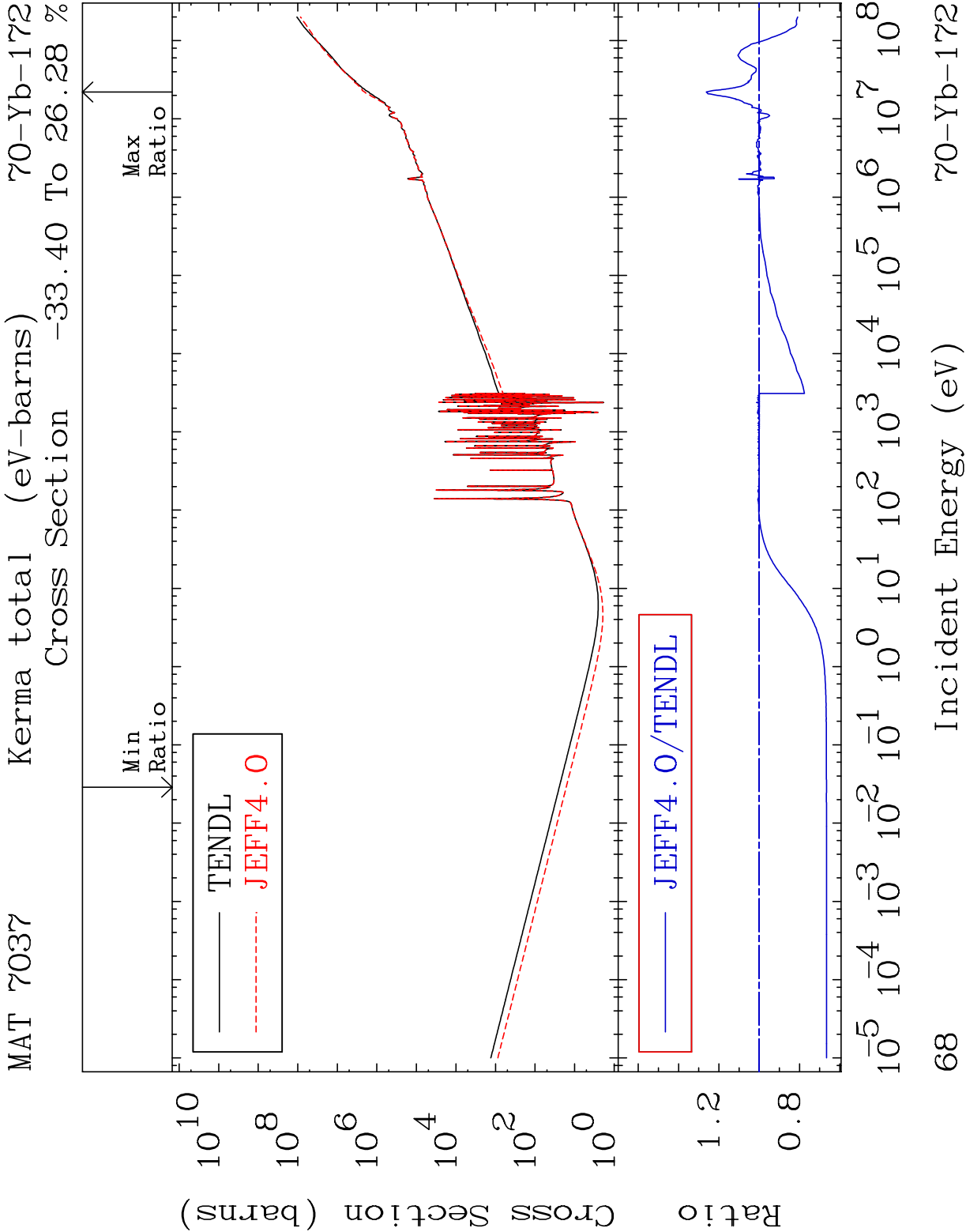
Cross Section -58.69 To 998.7 %

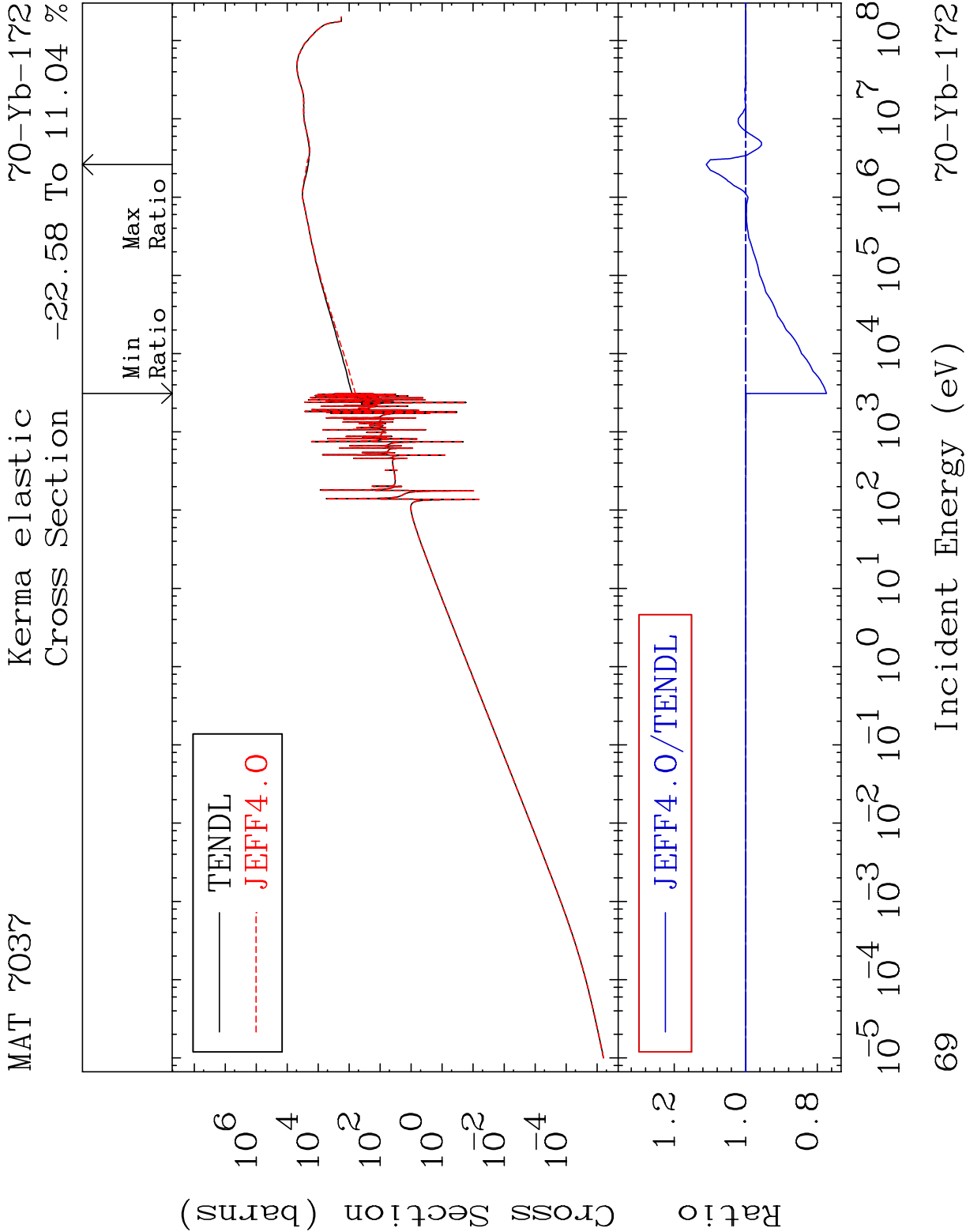


MAT 7037 He-4 Production 70-Yb-172
Cross Section -73.53 To 230.9 %

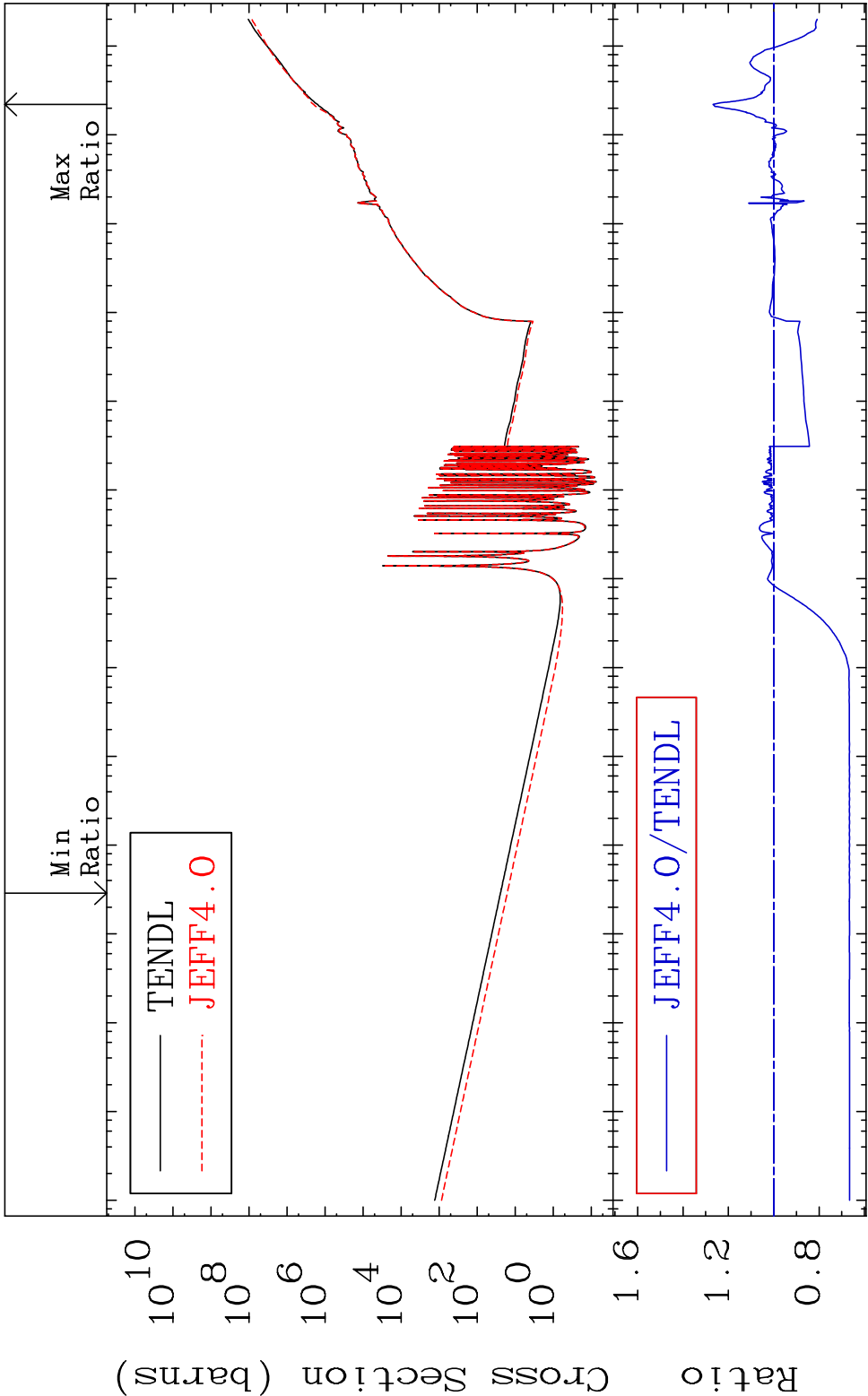


67 Incident Energy (eV) 70-Yb-172

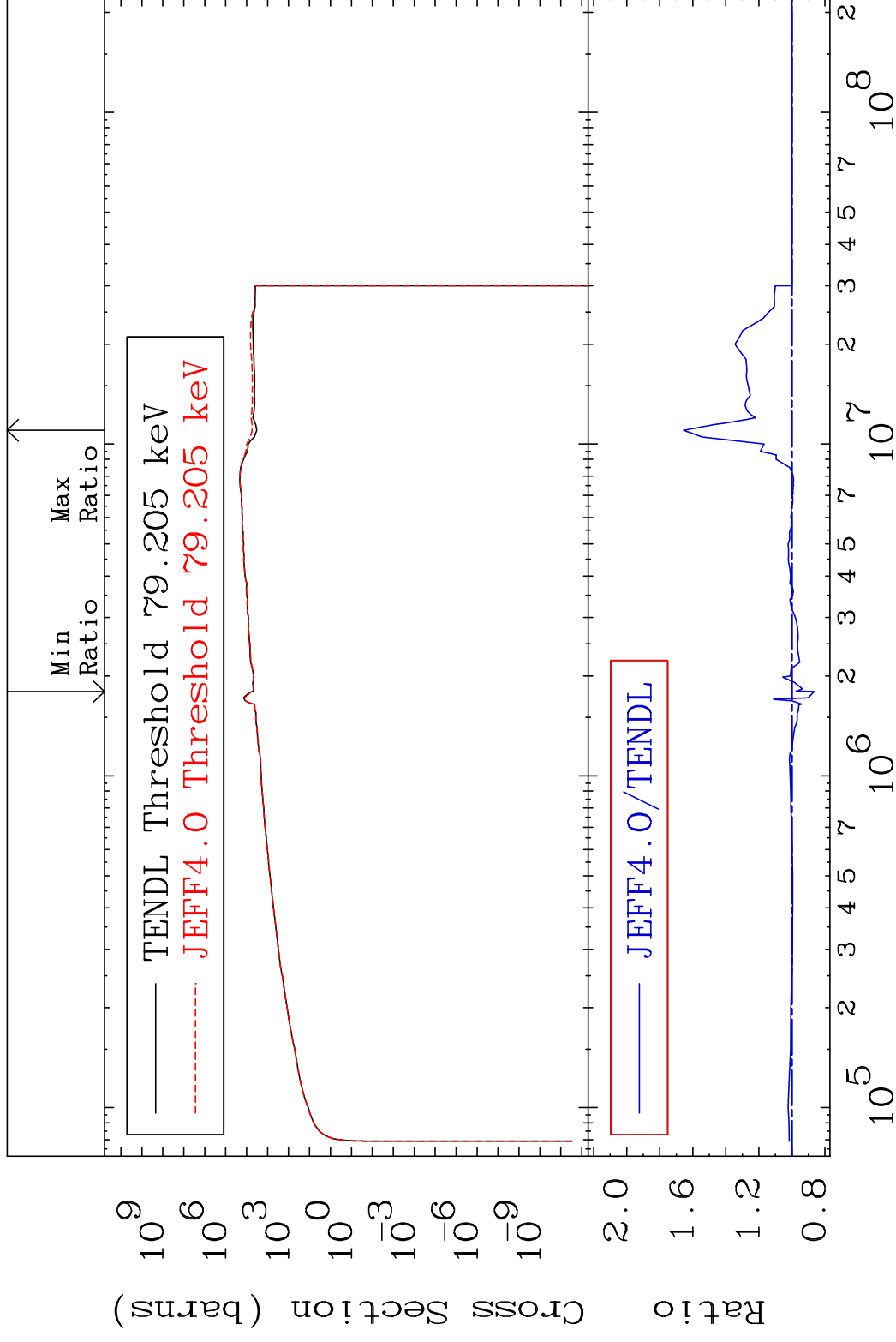




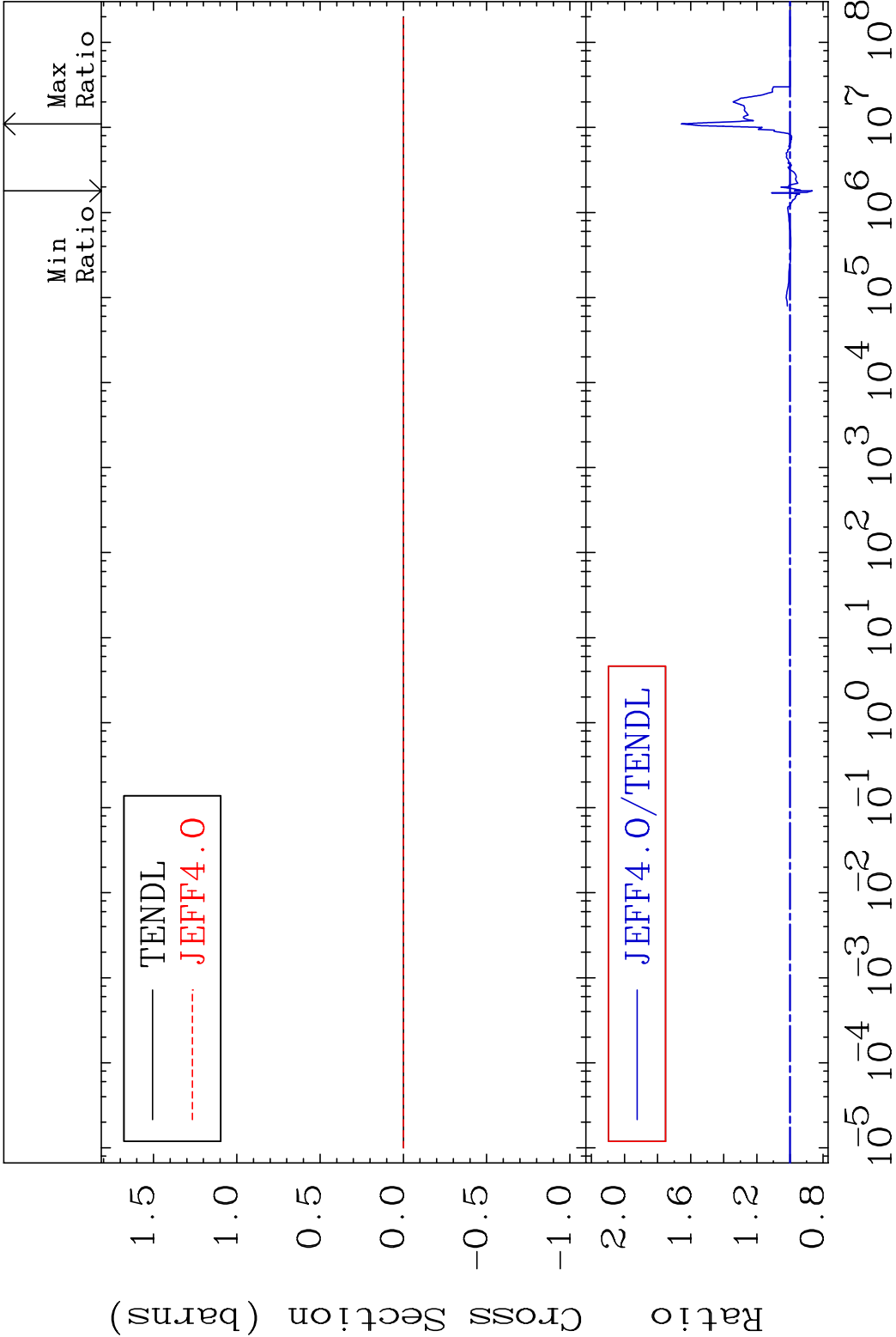
MAT 7037 Kerma non-elastic (all but mt2) 70-Yb-172
Cross Section -33.41 To 26.80 %



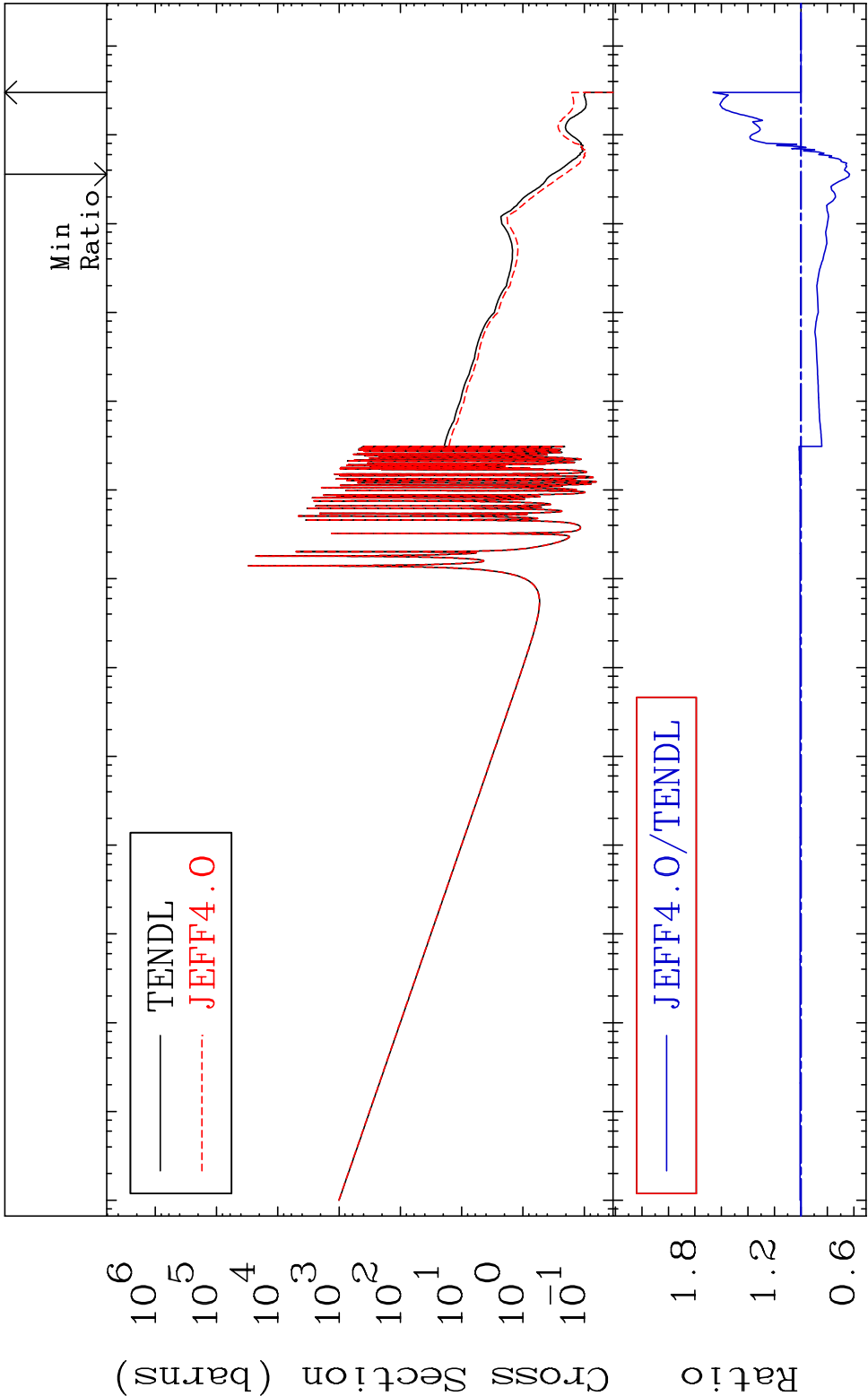
70 Incident Energy (eV) 70-Yb-172

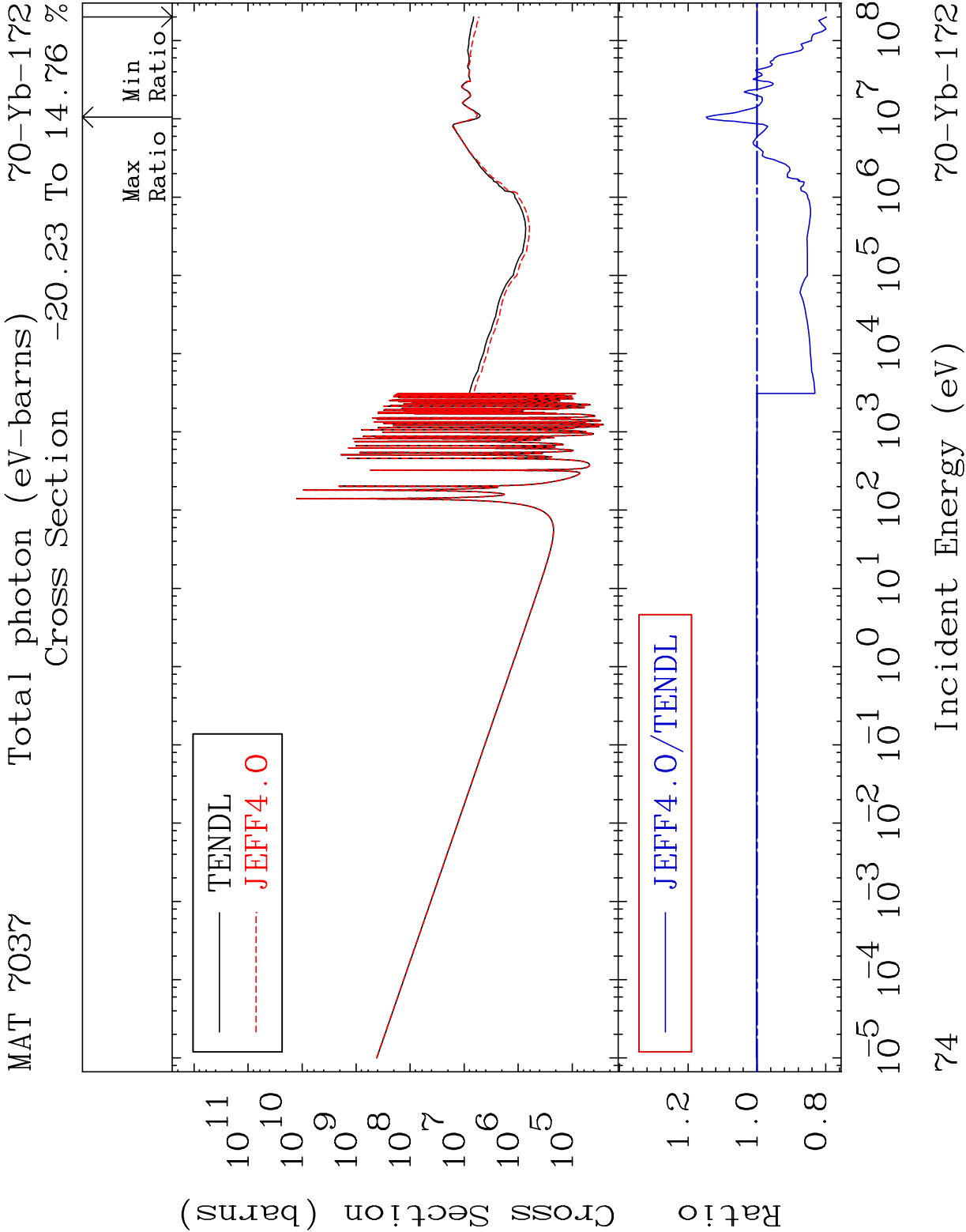


MAT 7037 Kerma fission (mt18 or mt19-20-21-38)70-Yb-172
Cross Section -13.45 To 65.53 %

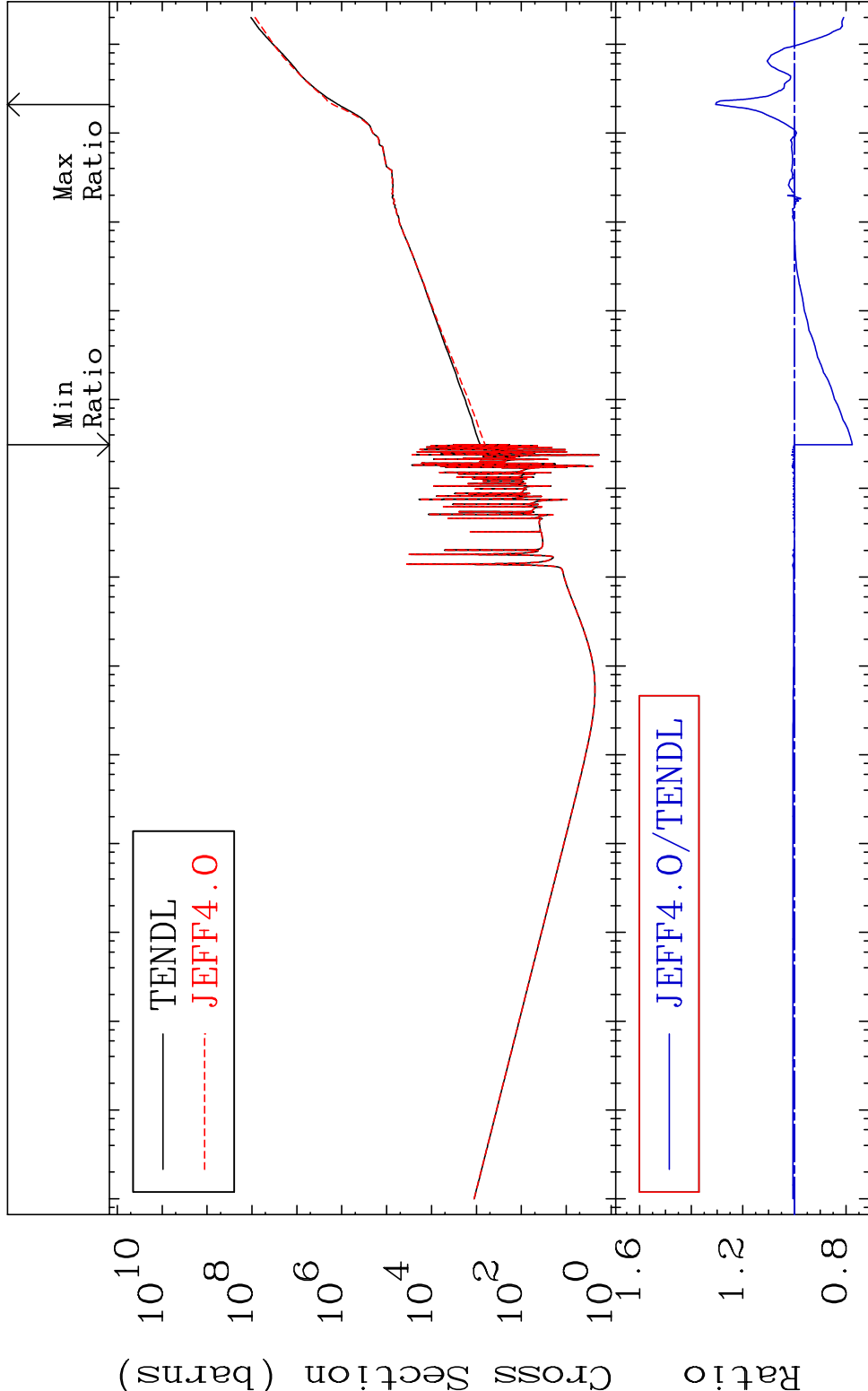


MAT 7037 Kerma capture (mt102) 70-Yb-172
Cross Section -36.67 To 66.38 %



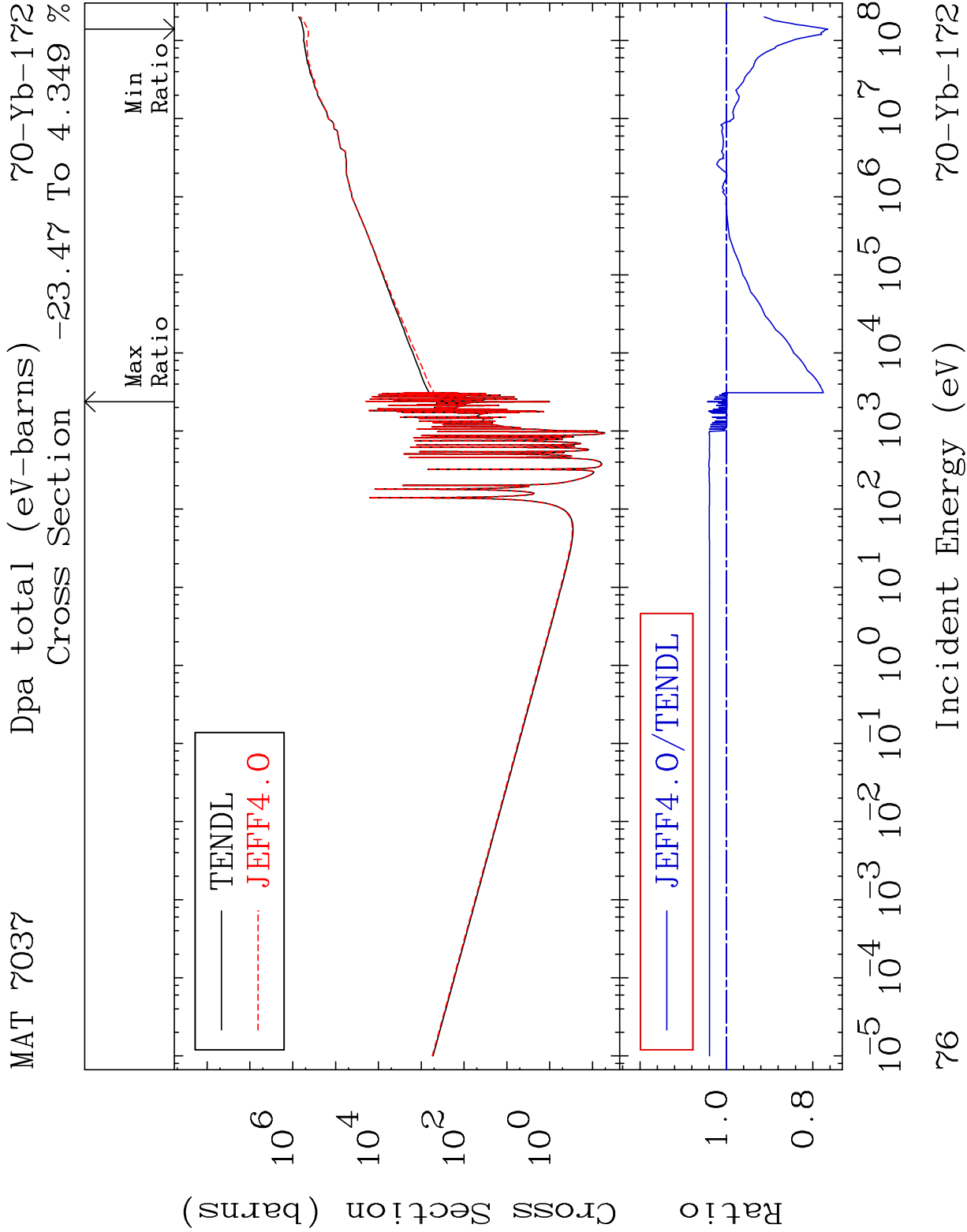


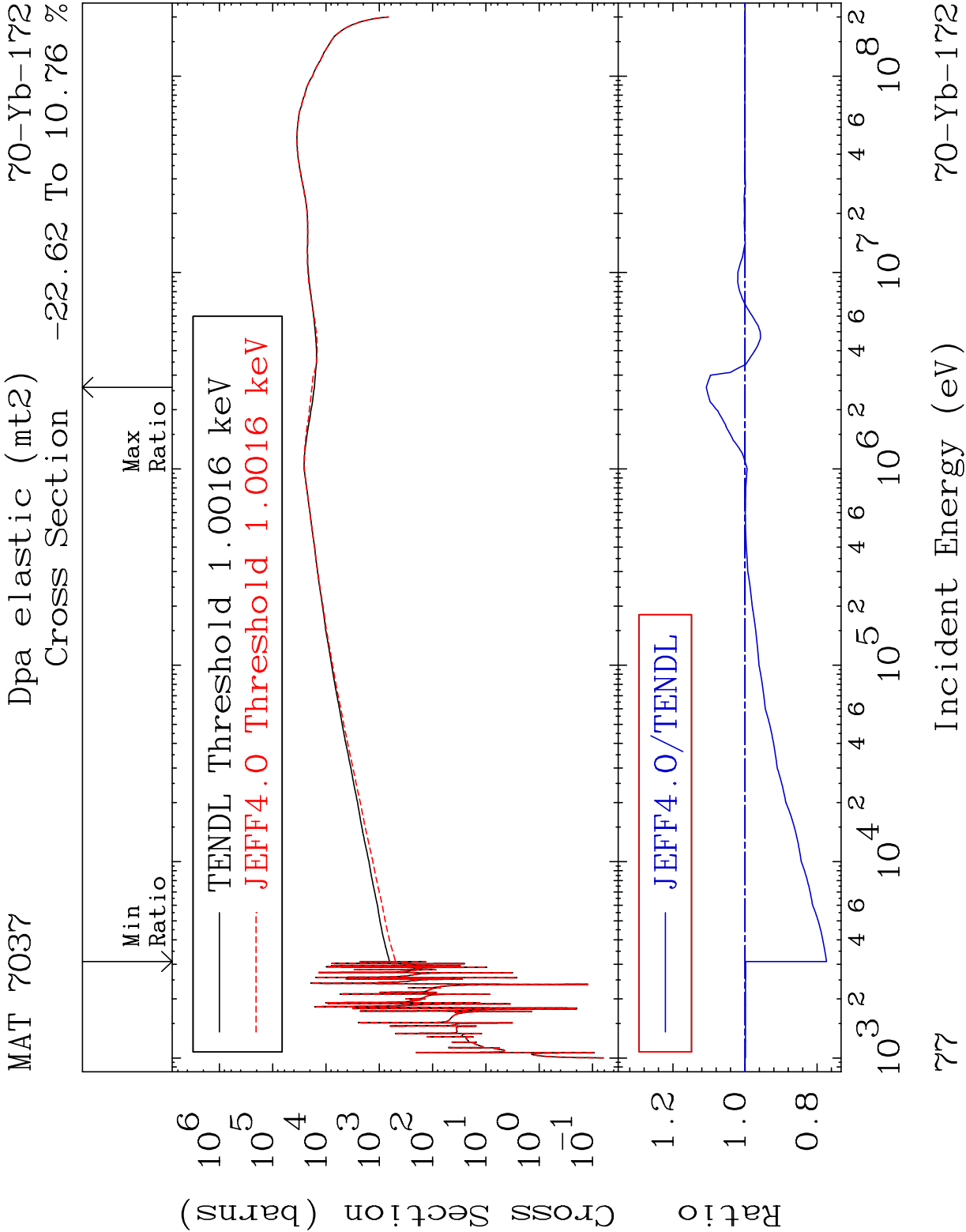
MAT 7037 Total kinematic kerma (high limit) 70-Yb-172
Cross Section -22.42 To 30.54 %

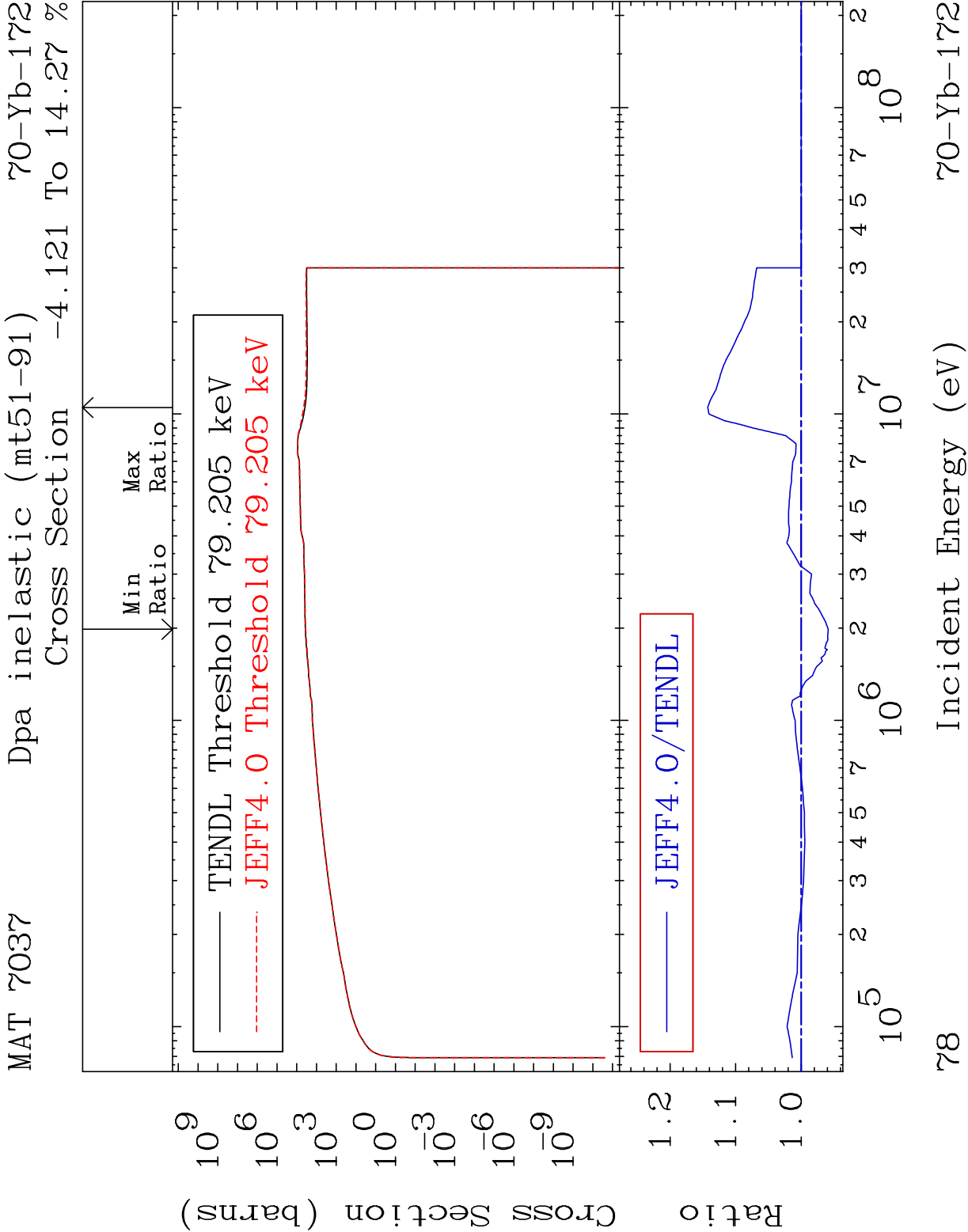


10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

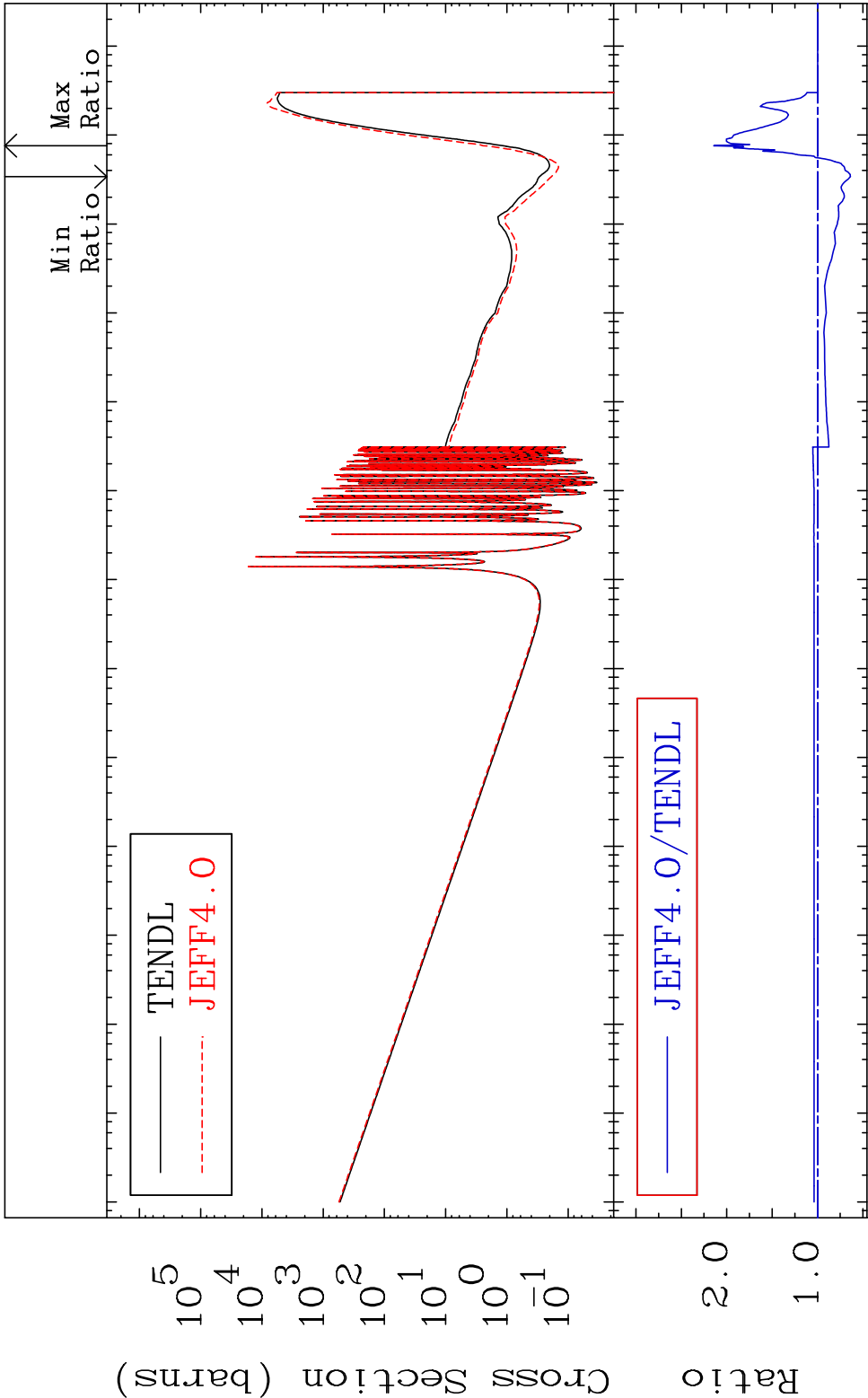
75 Incident Energy (eV) 70-Yb-172







MAT 7037 Dpa disappearance (mt102 -120) 70-Yb-172
Cross Section -36.15 To 114.3 %



79 Incident Energy (eV) 70-Yb-172

