

Program Complot
(Version 2021-1)

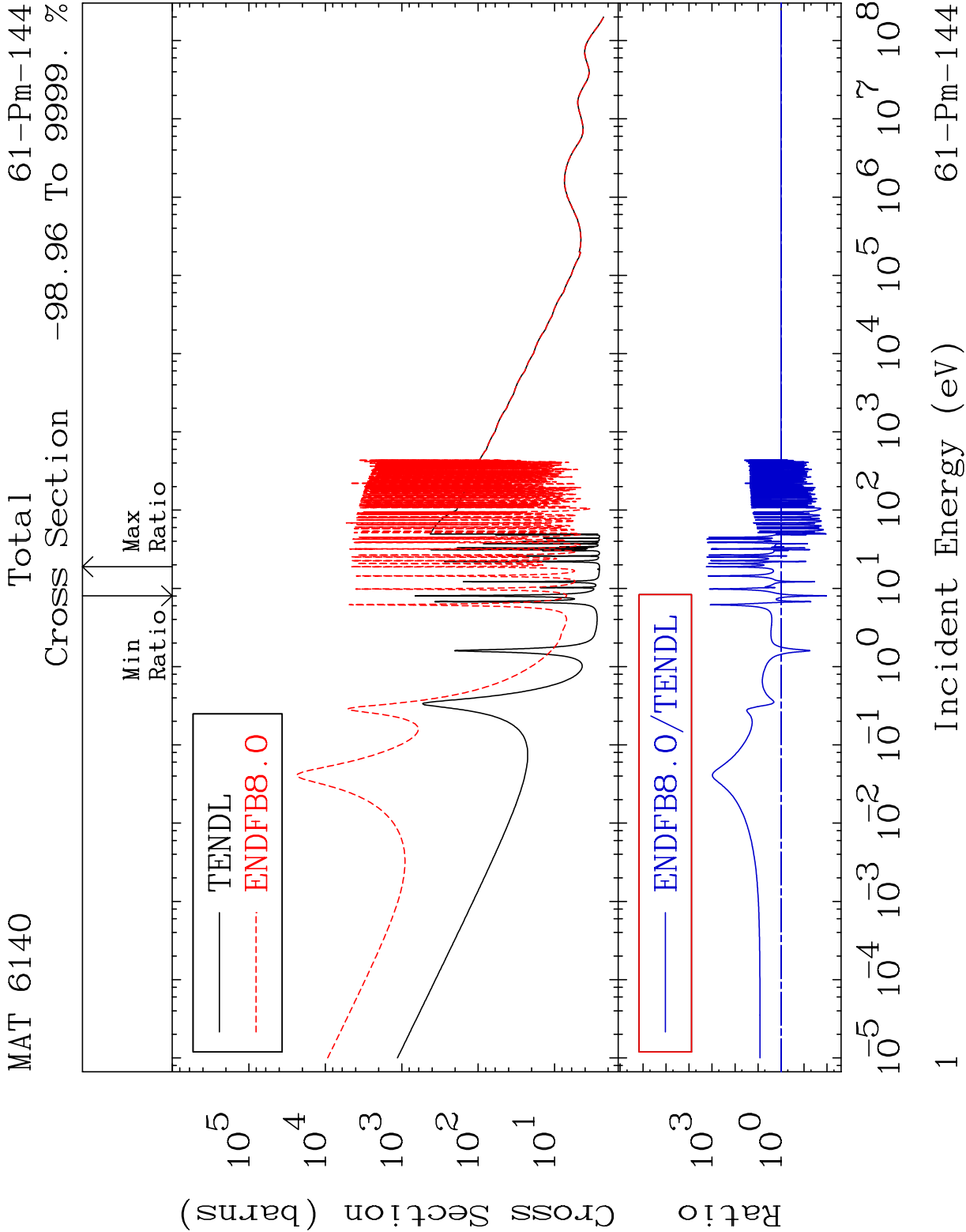
by

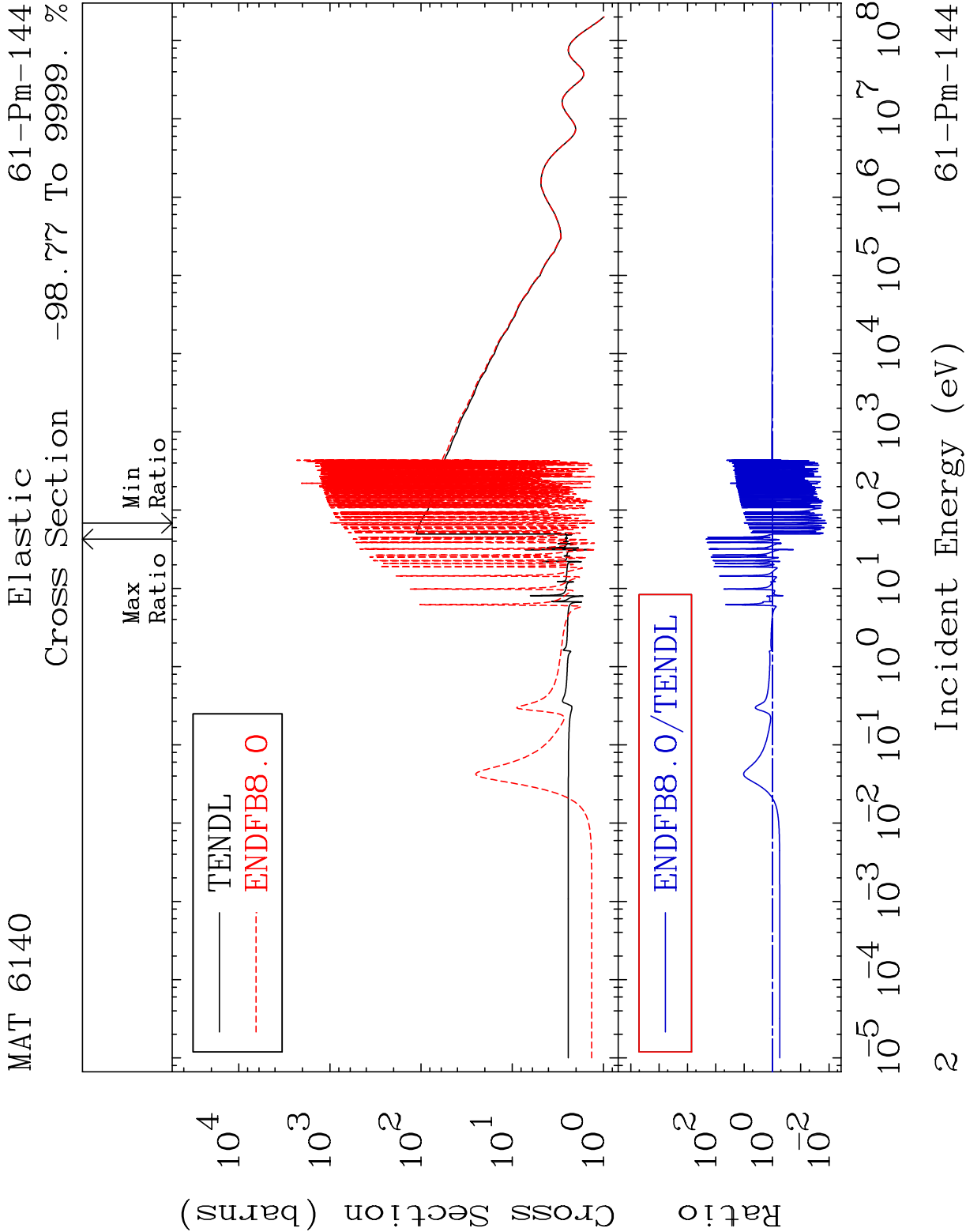
Dermott E. Cullen
(Present Contact Information)

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Press Mouse Button to Start



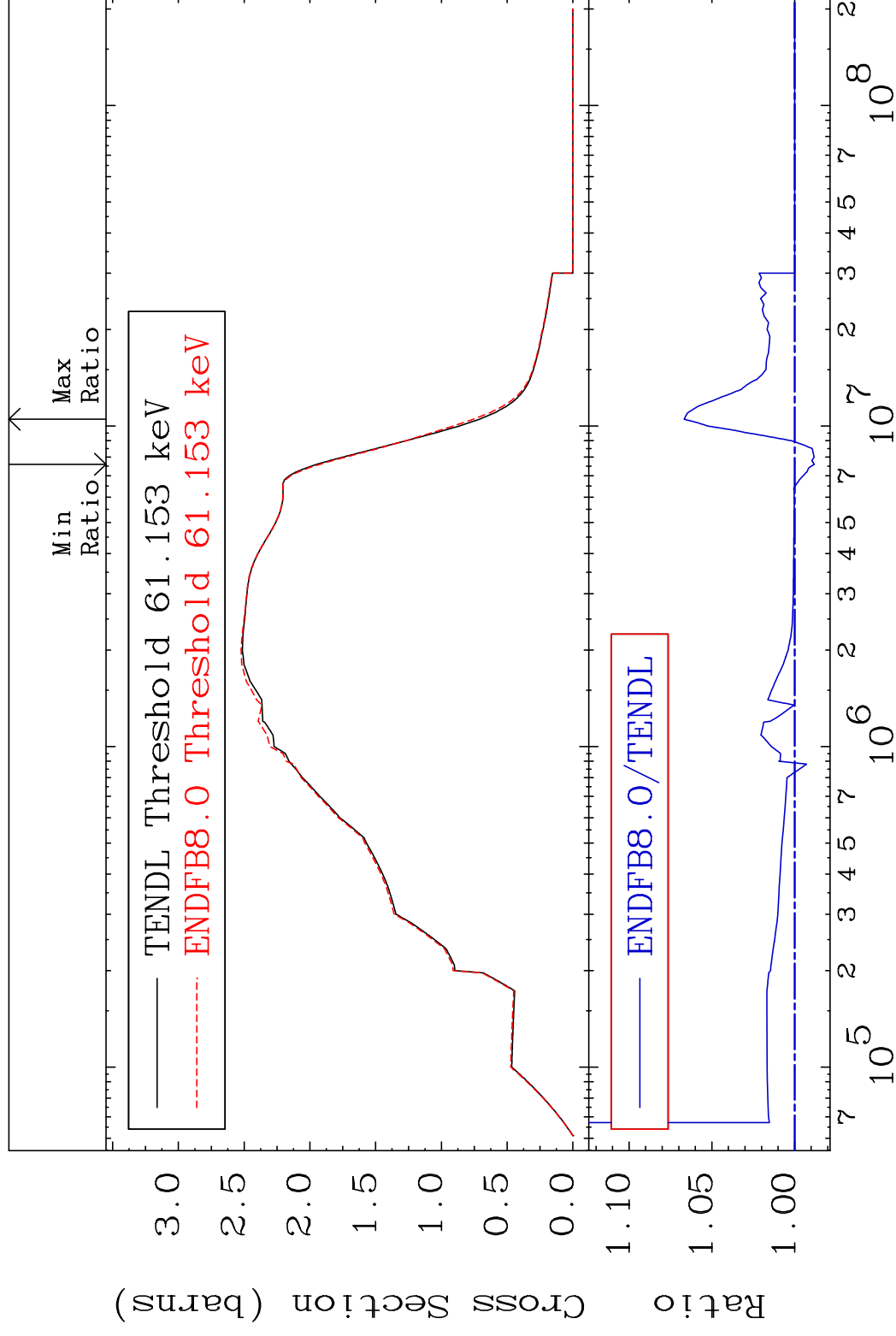


MAT 6140

Inelastic

61-Pm-144

Cross Section -1.183 To 6.680 %

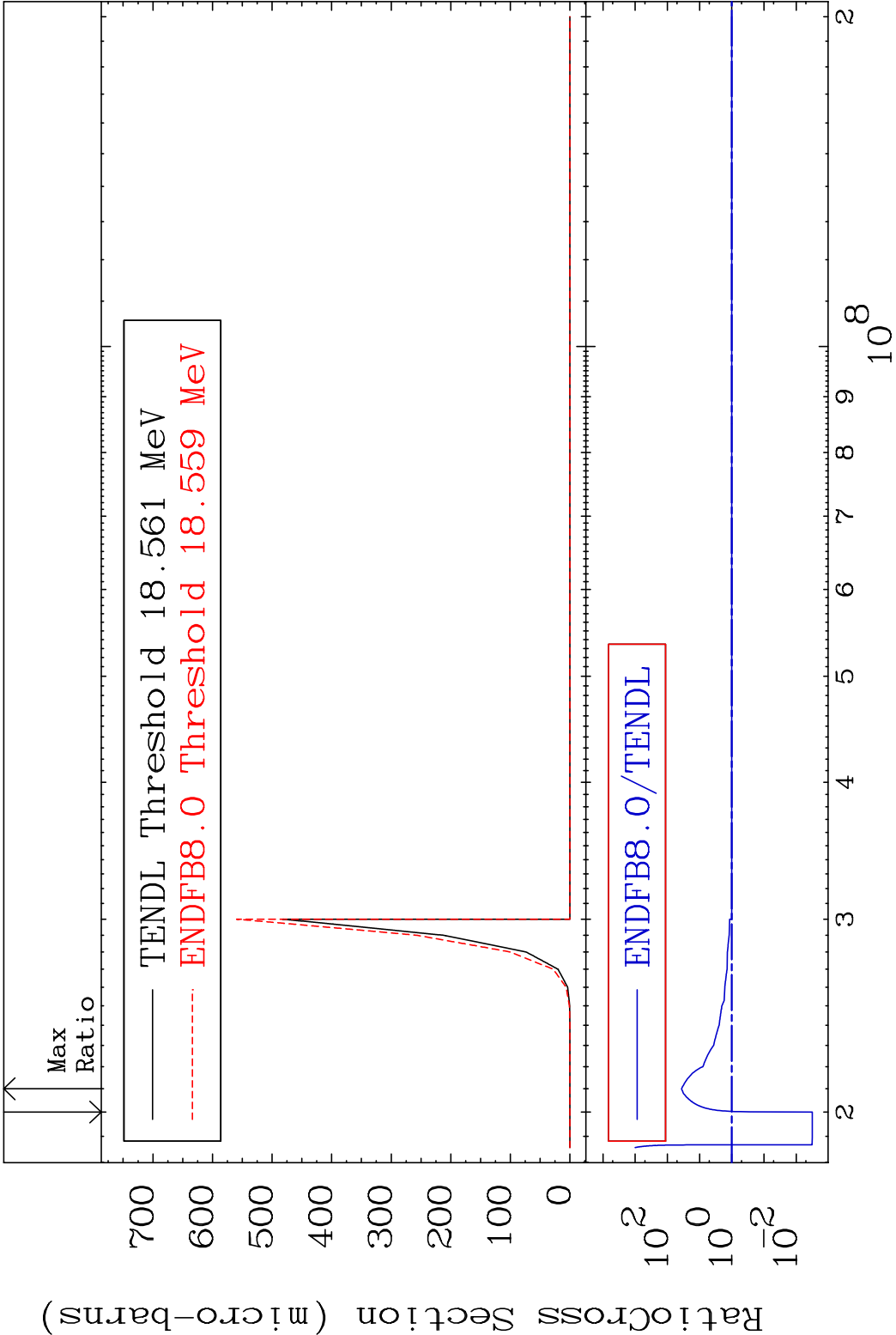


3

Incident Energy (eV)

61-Pm-144

MAT 6140 (n,2n) d 61-Pm-144
Cross Section -99.68 To 3538. %

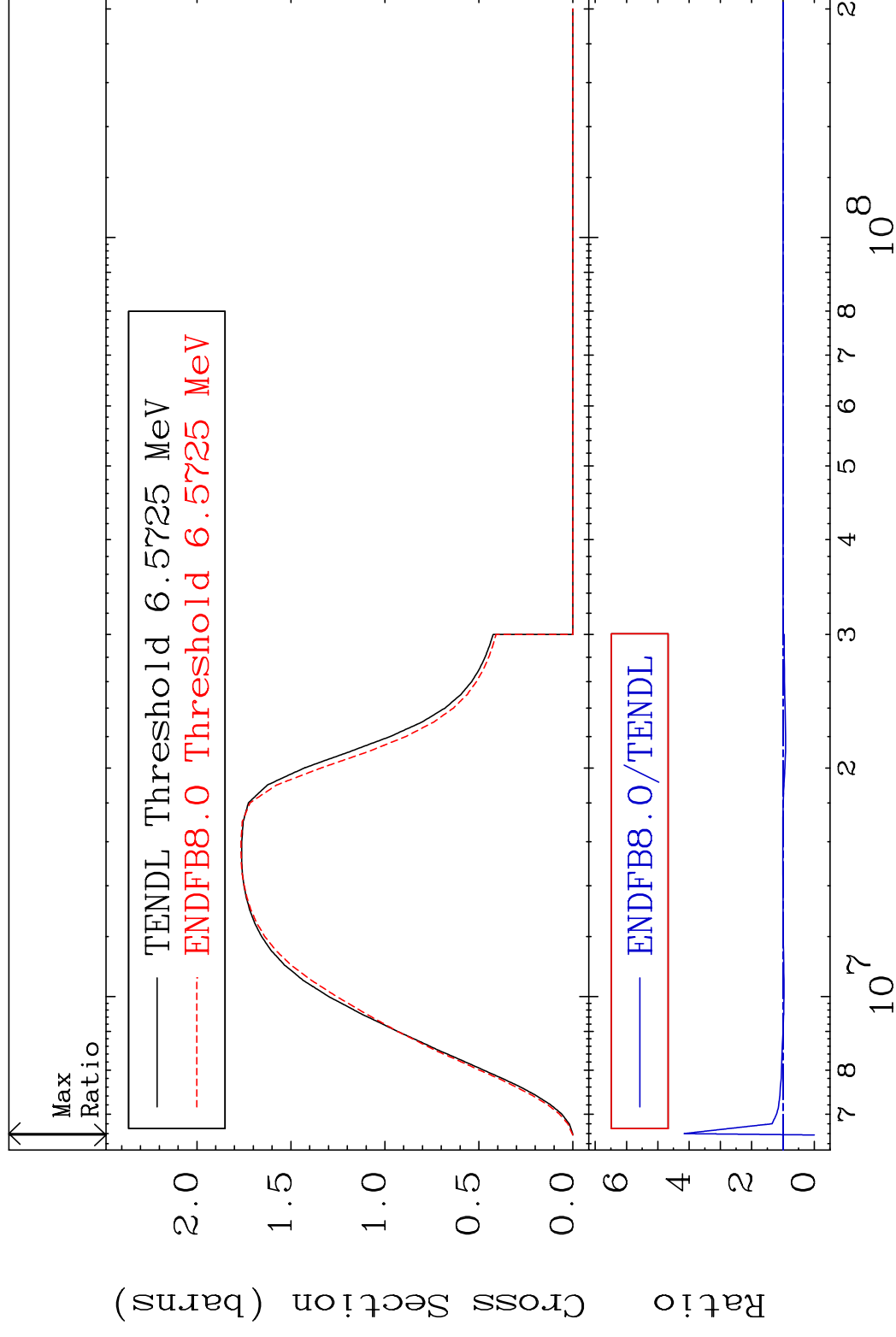


MAT 6140

$$(n, 2n)$$

61-Pm-144

Cross Section -100.0 To 316.1 %



TENDL Threshold 6.5725 MeV

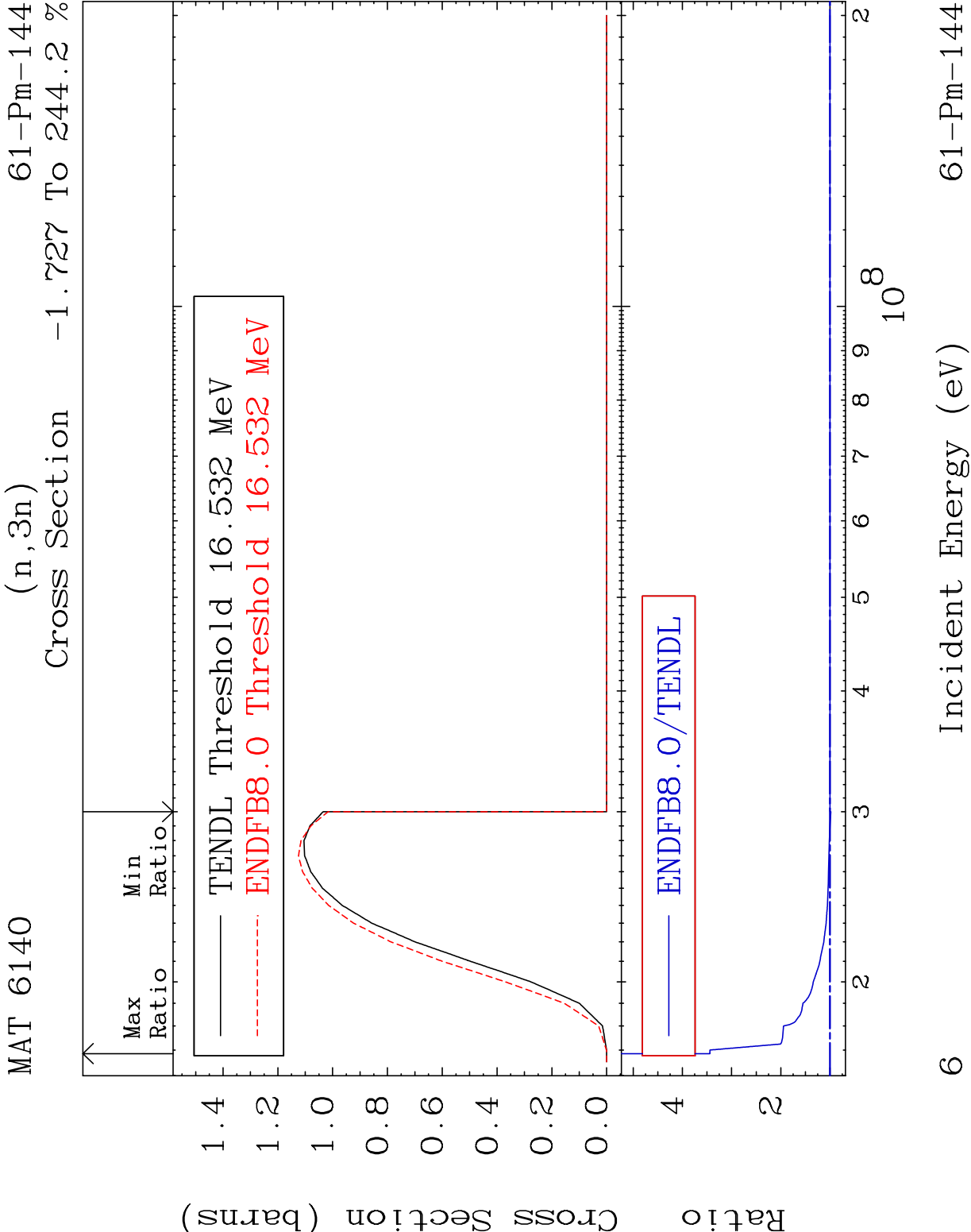
ENDFB8.0 Threshold 6.5725 MeV

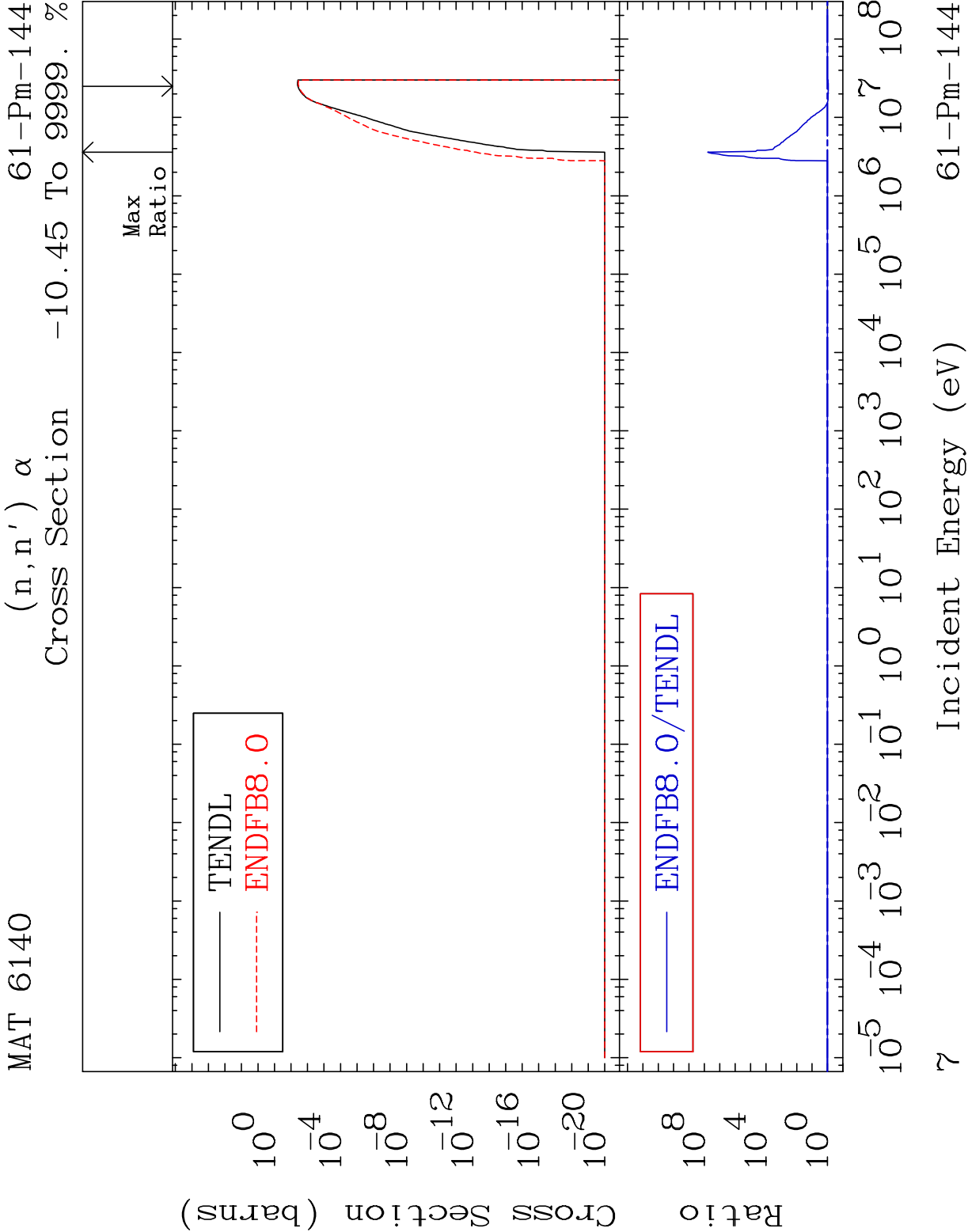
ENDFB8.0/TENDL

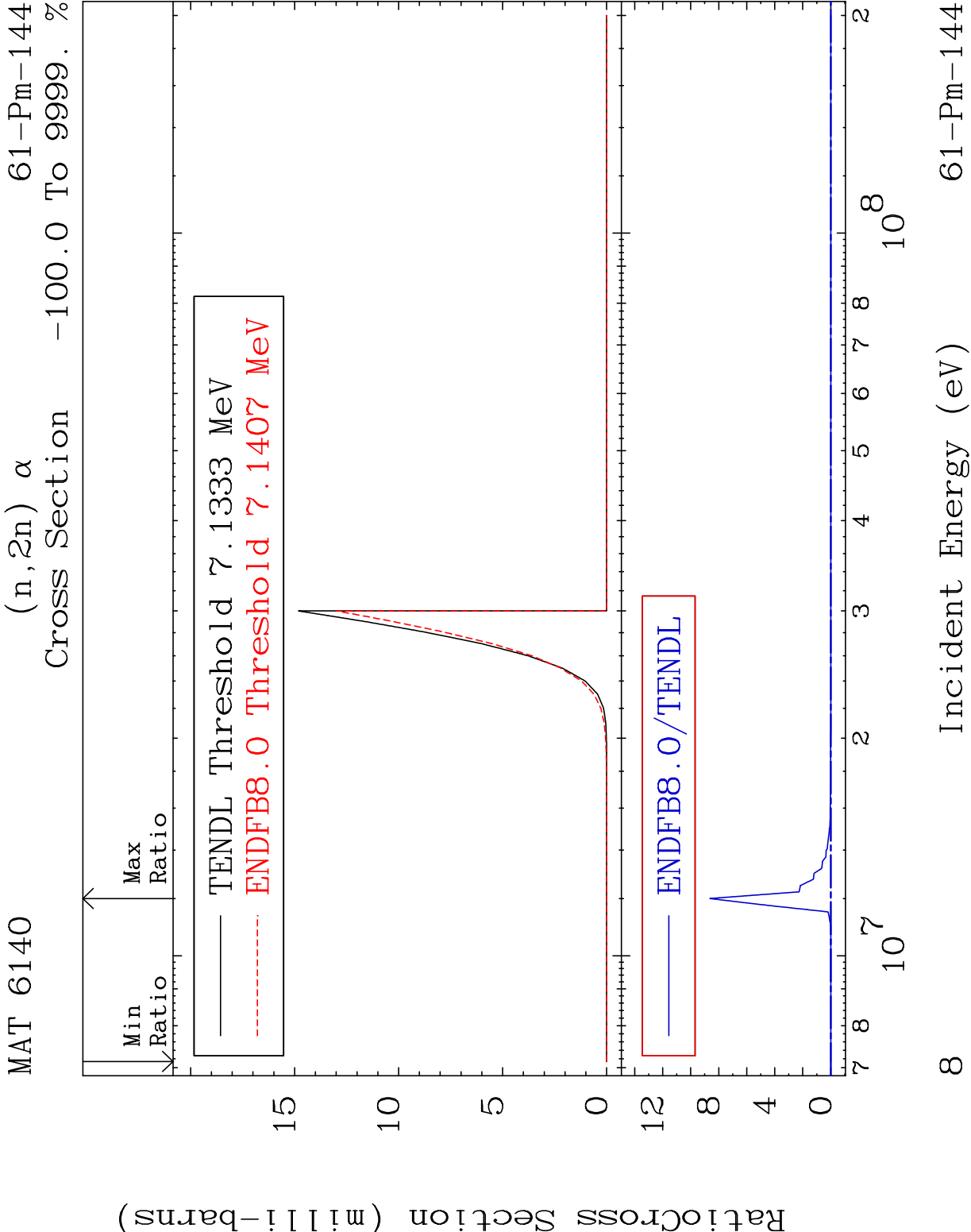
5

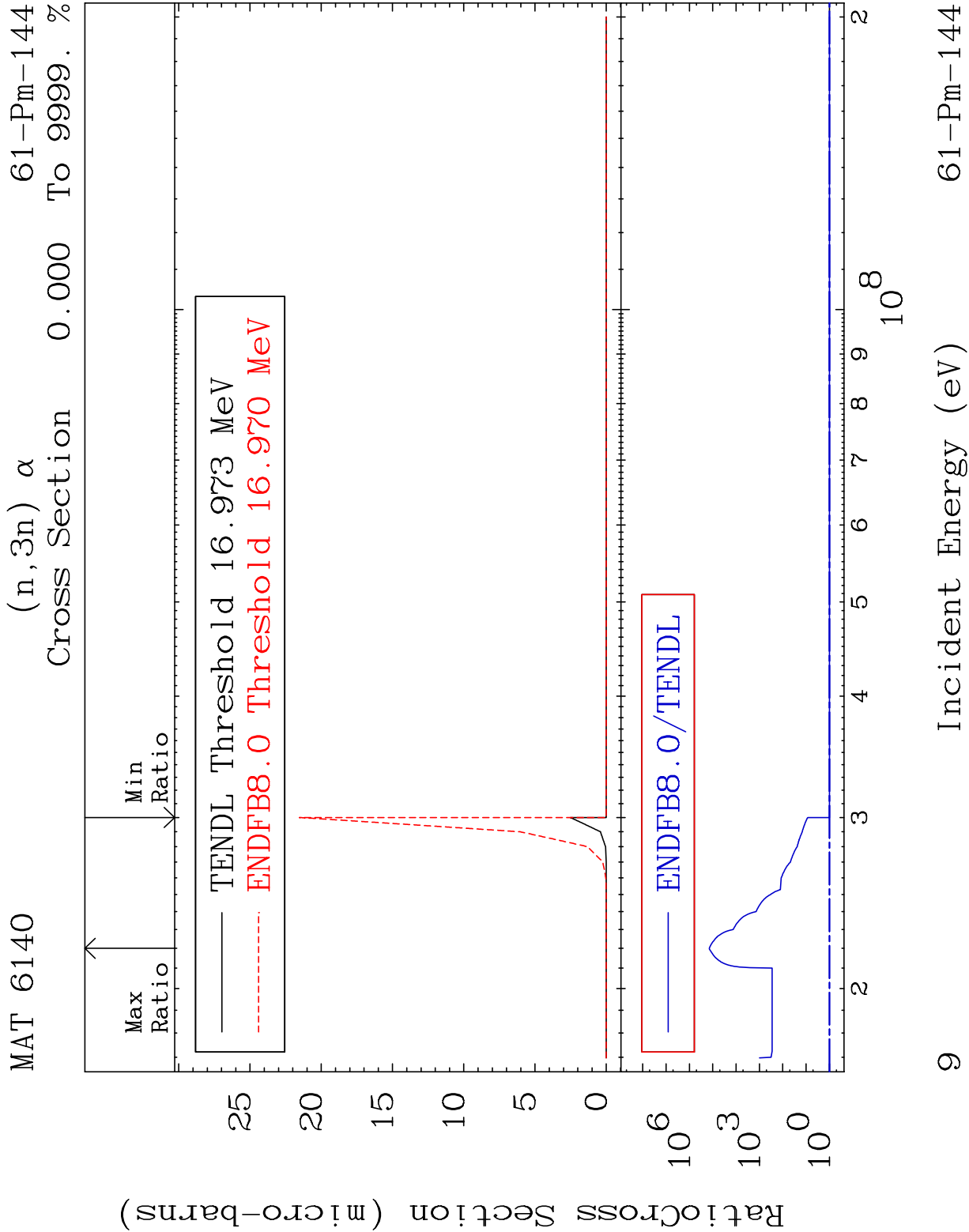
Incident Energy (eV)

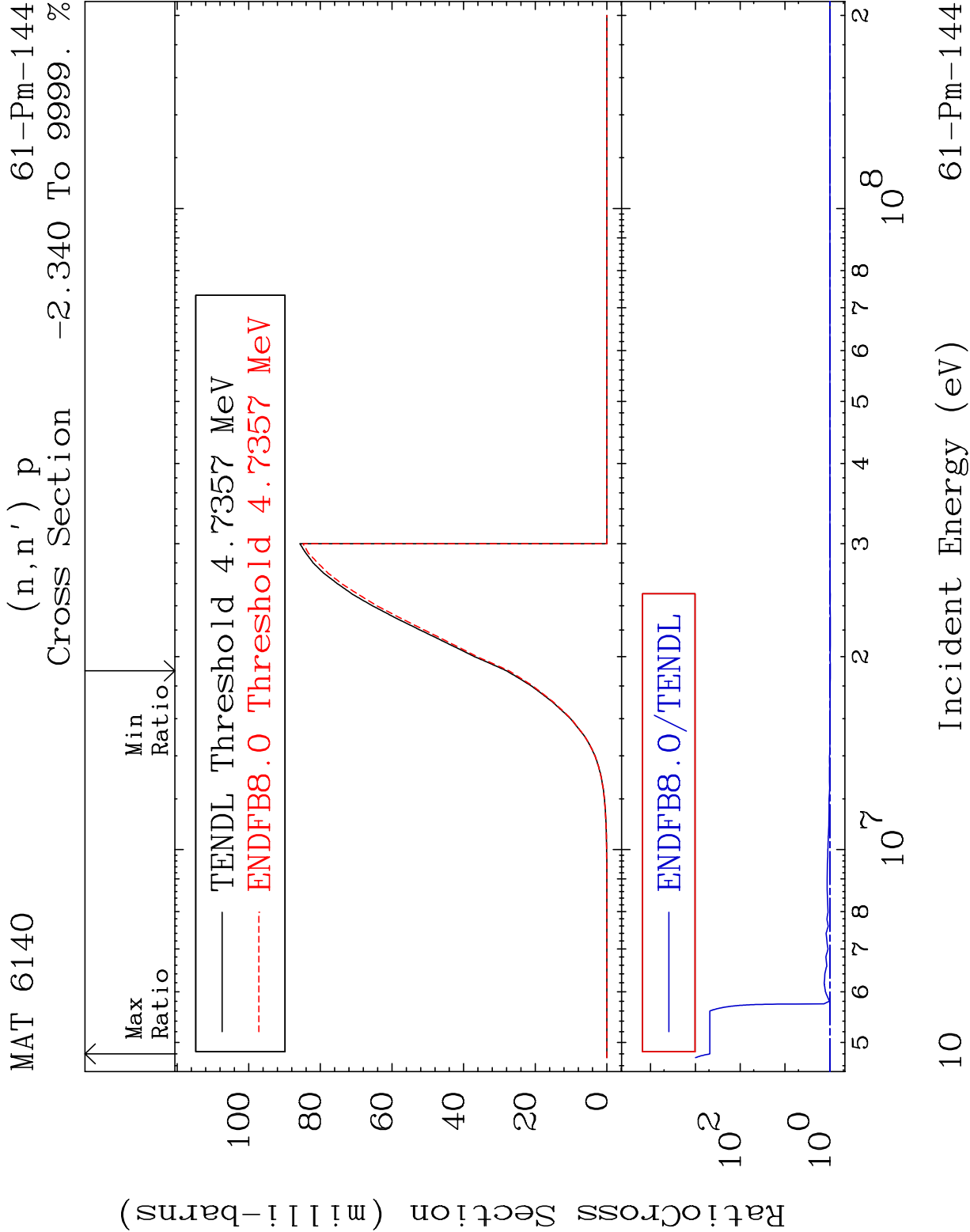
61-Pm-144

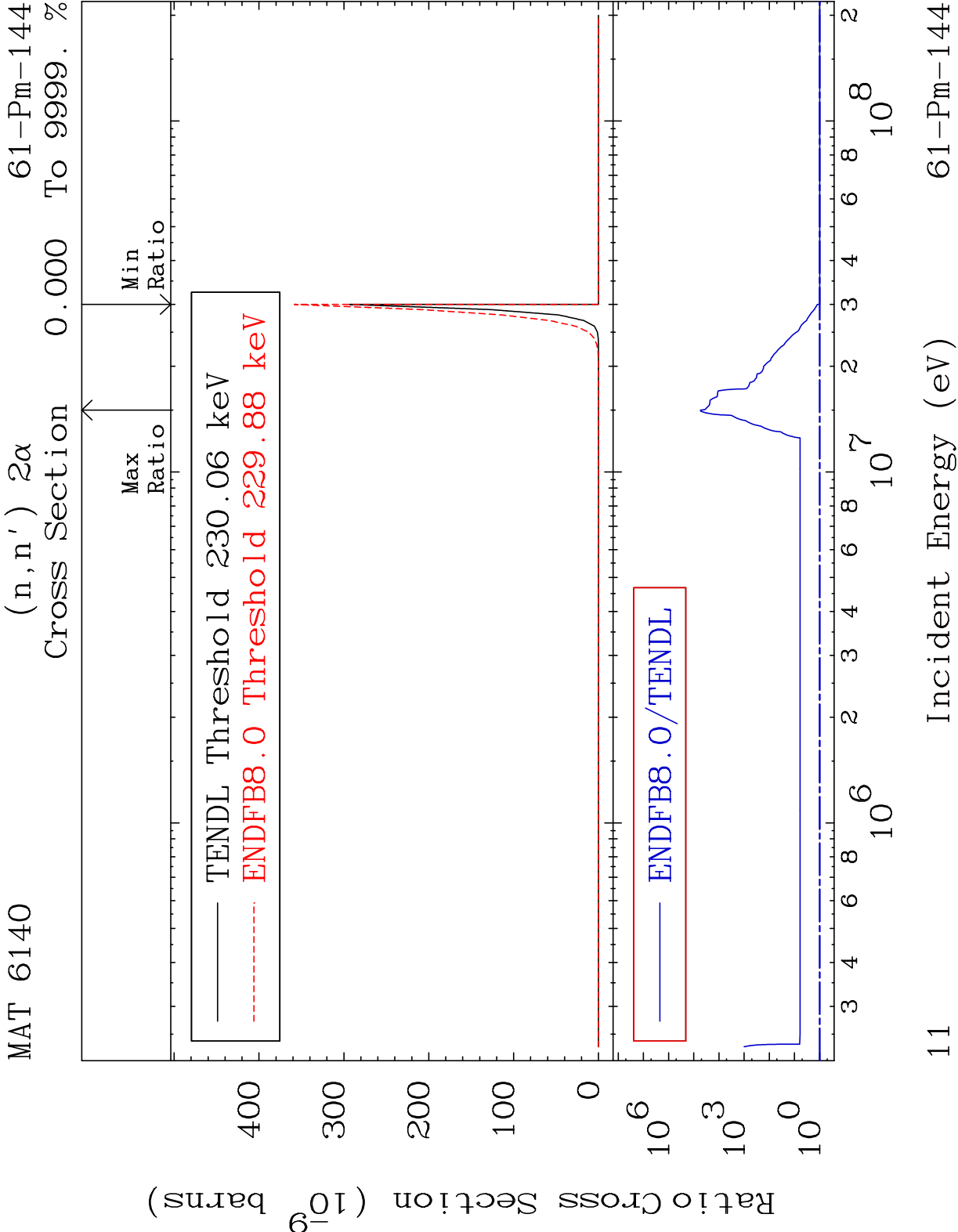


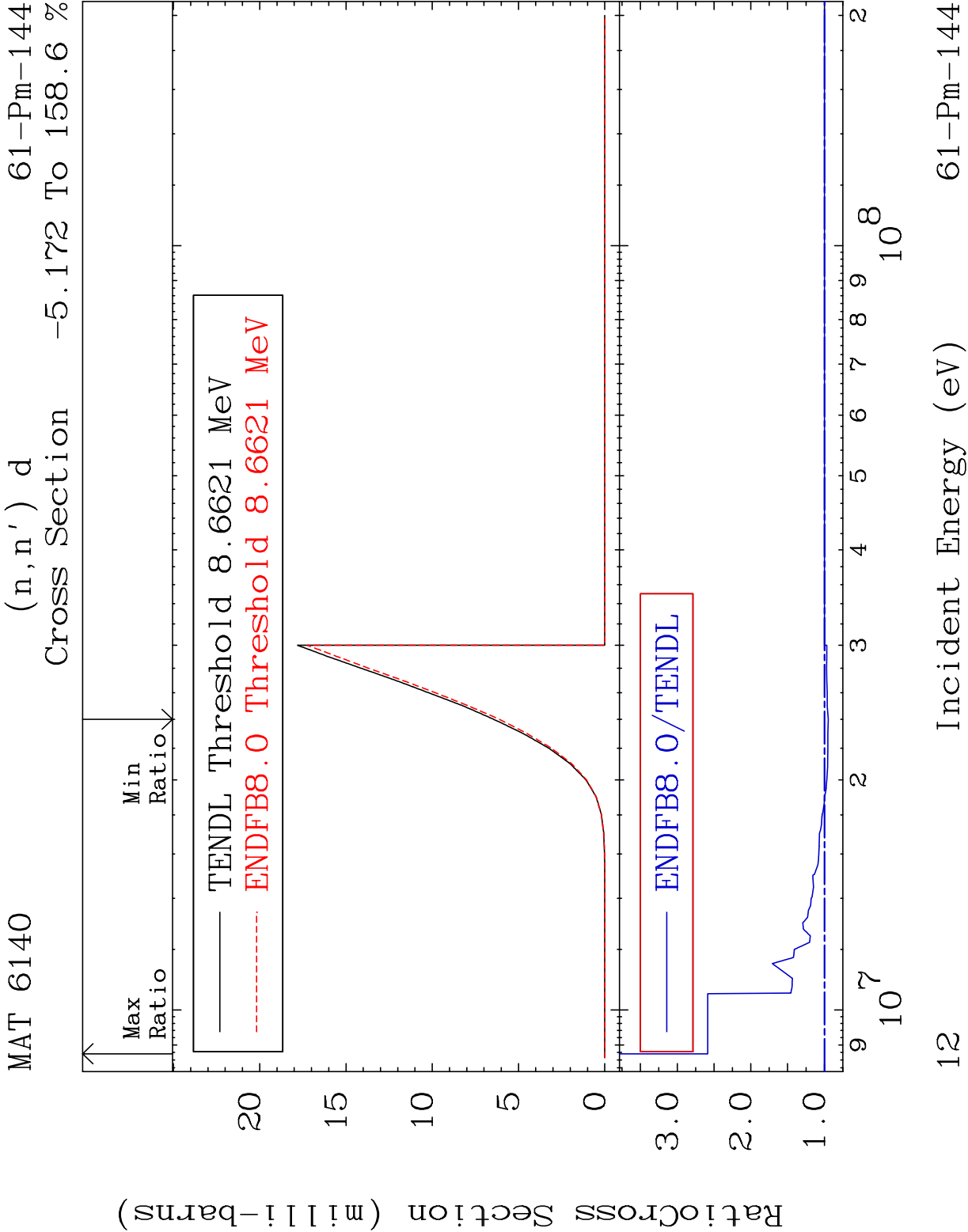


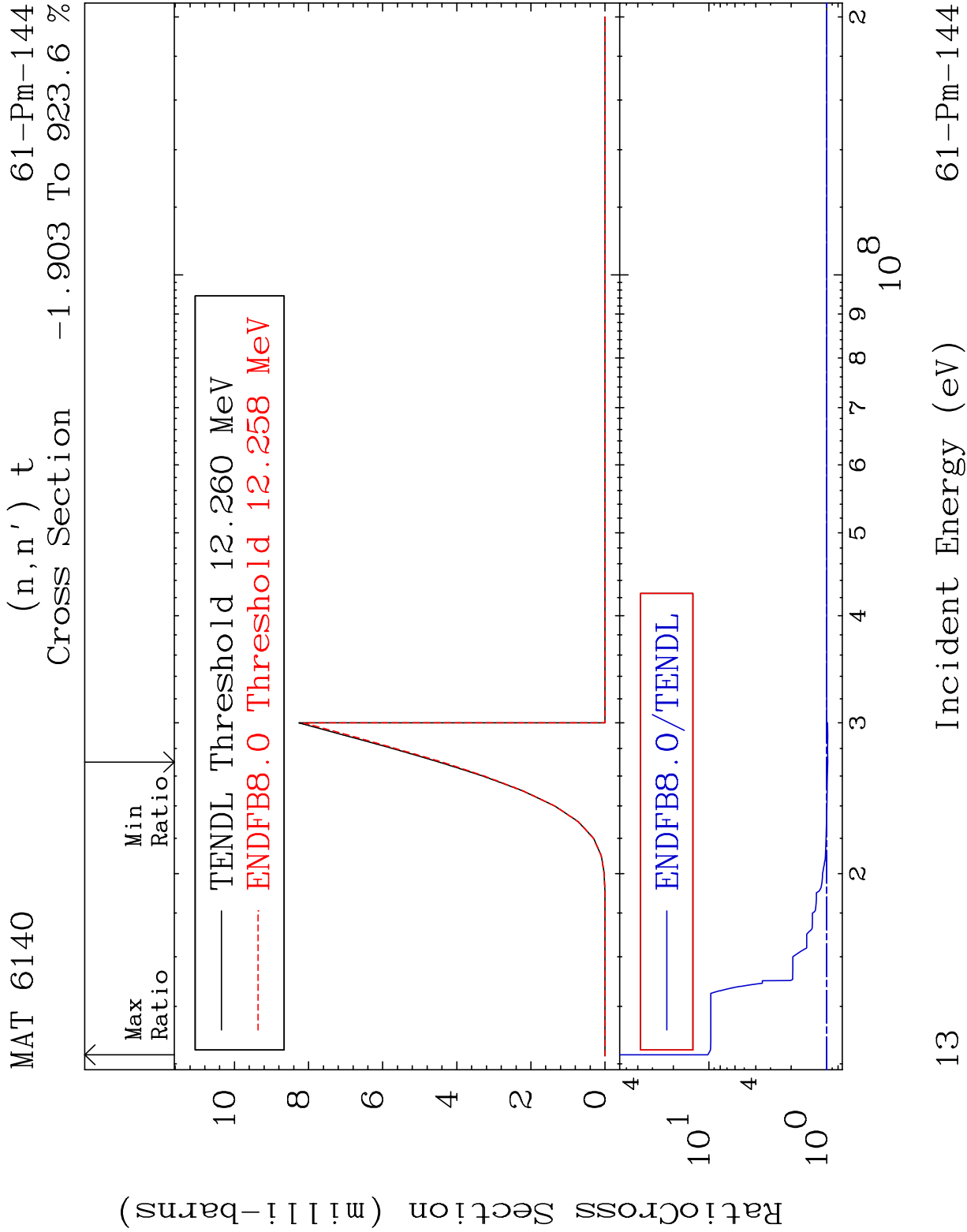


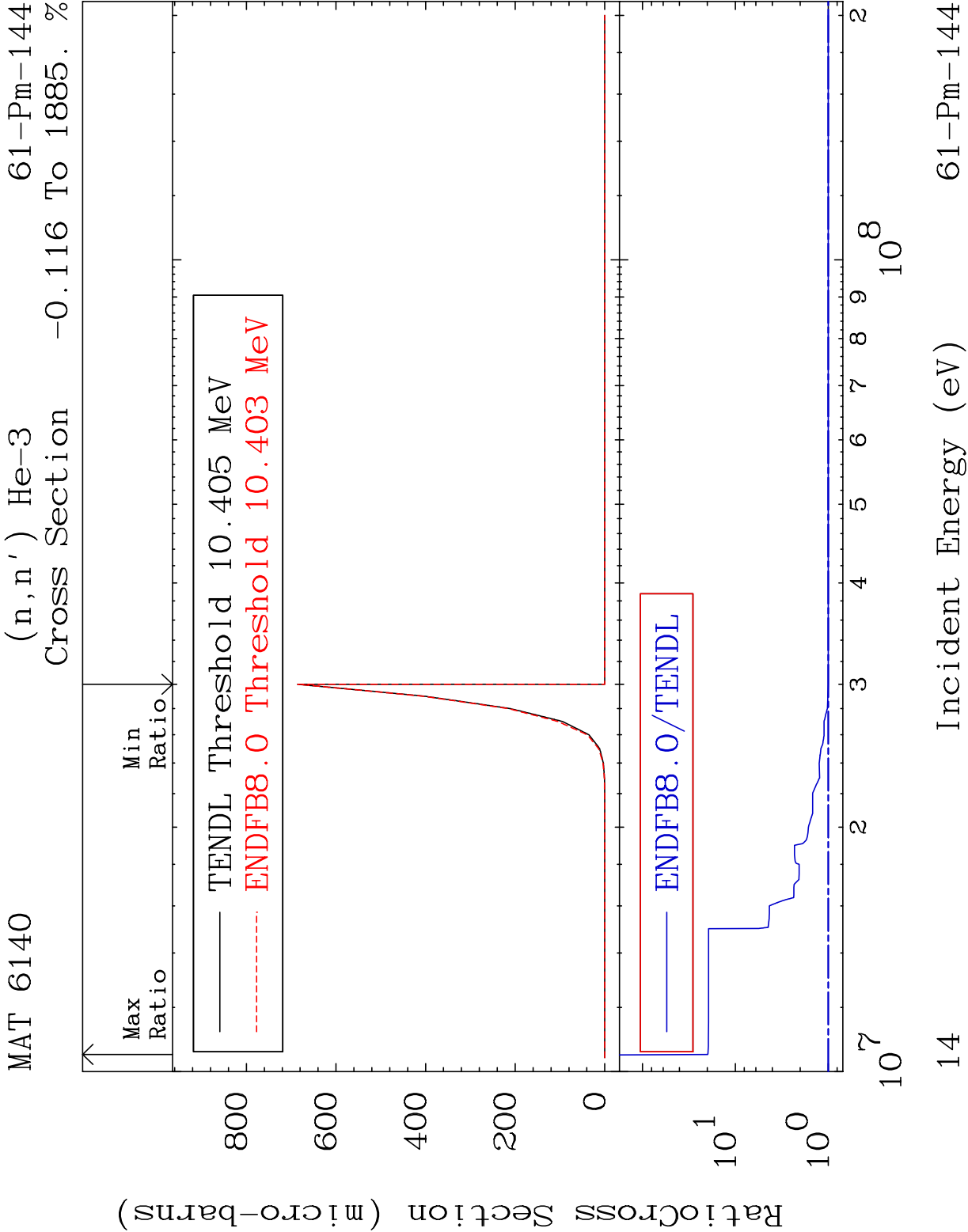


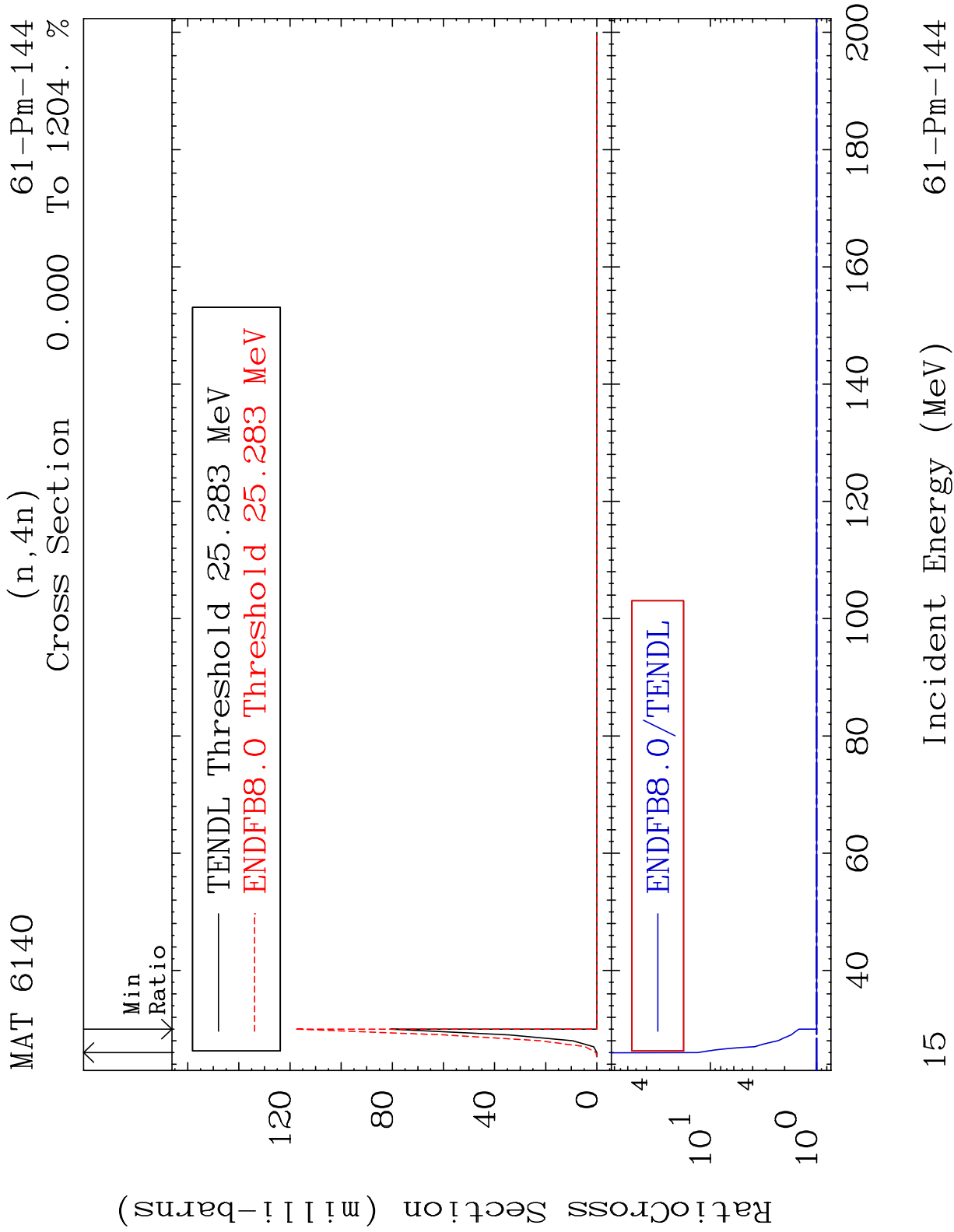


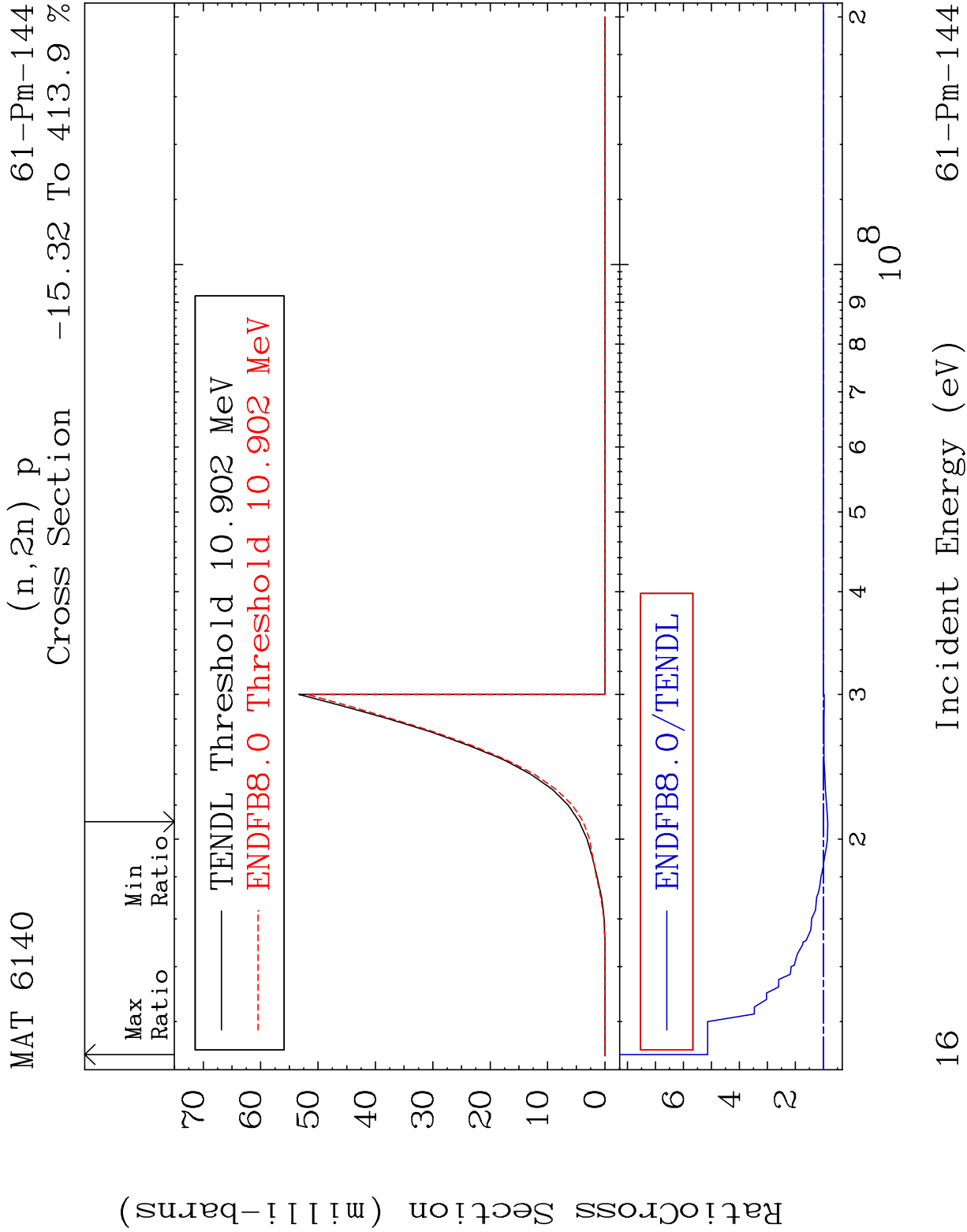


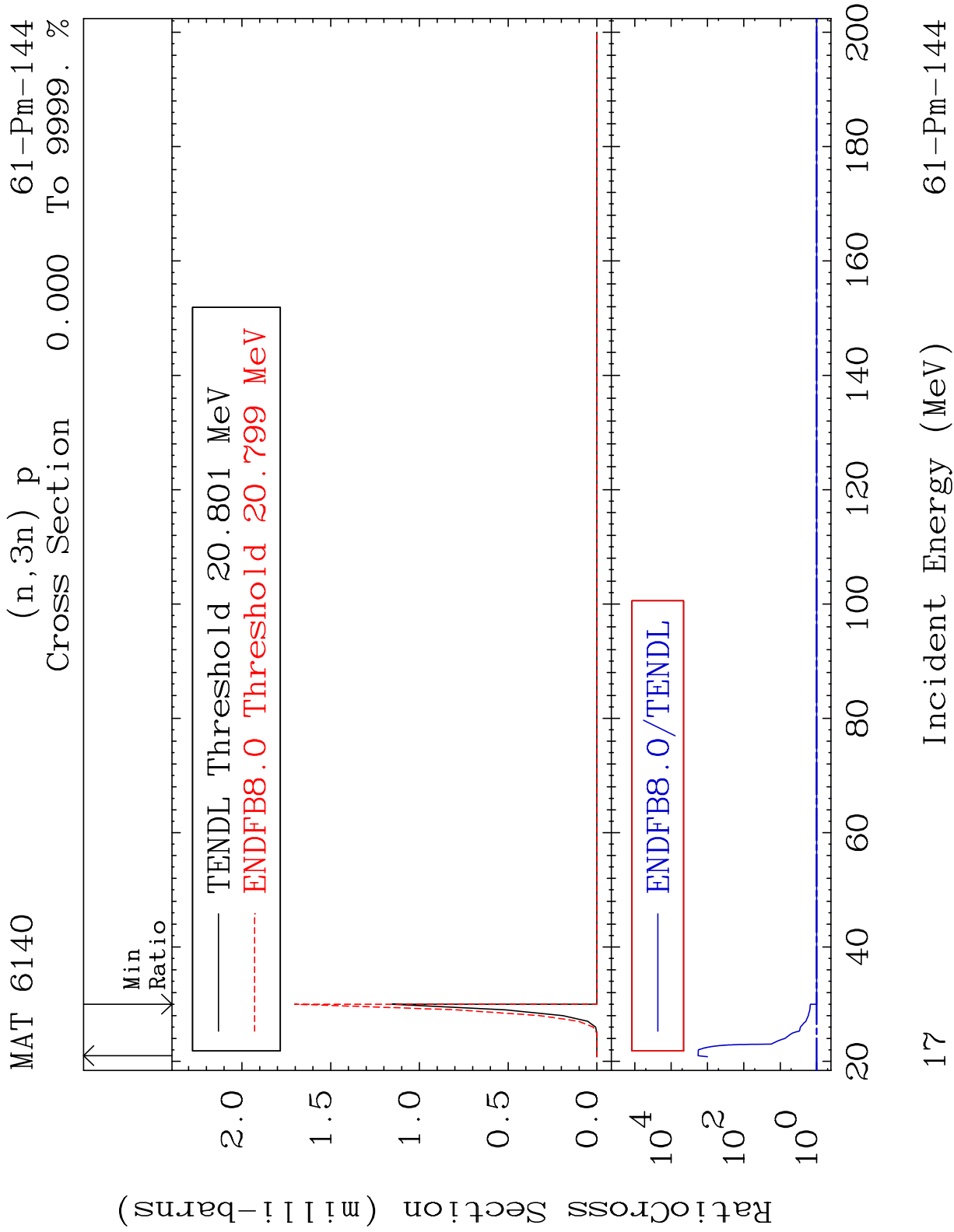


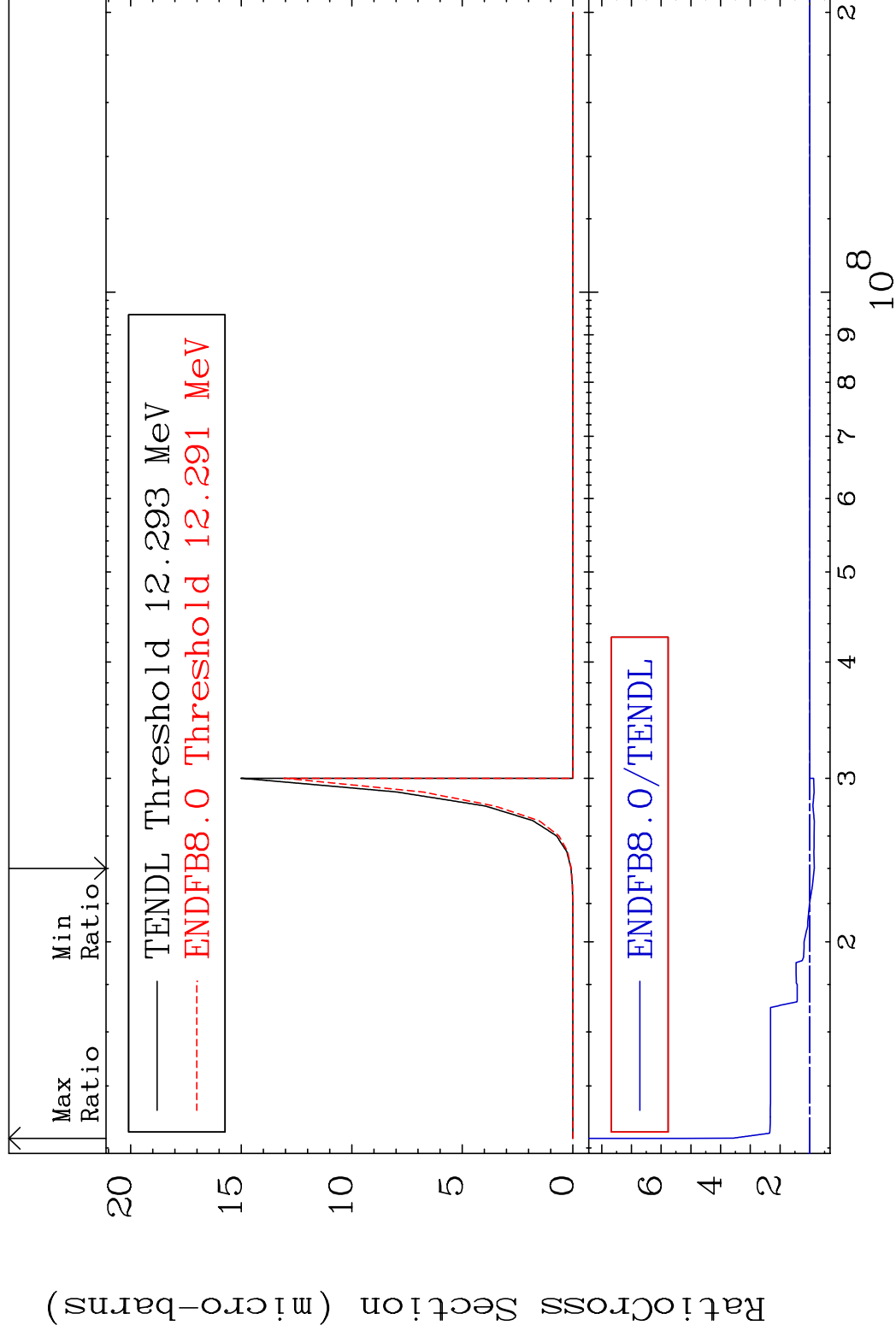


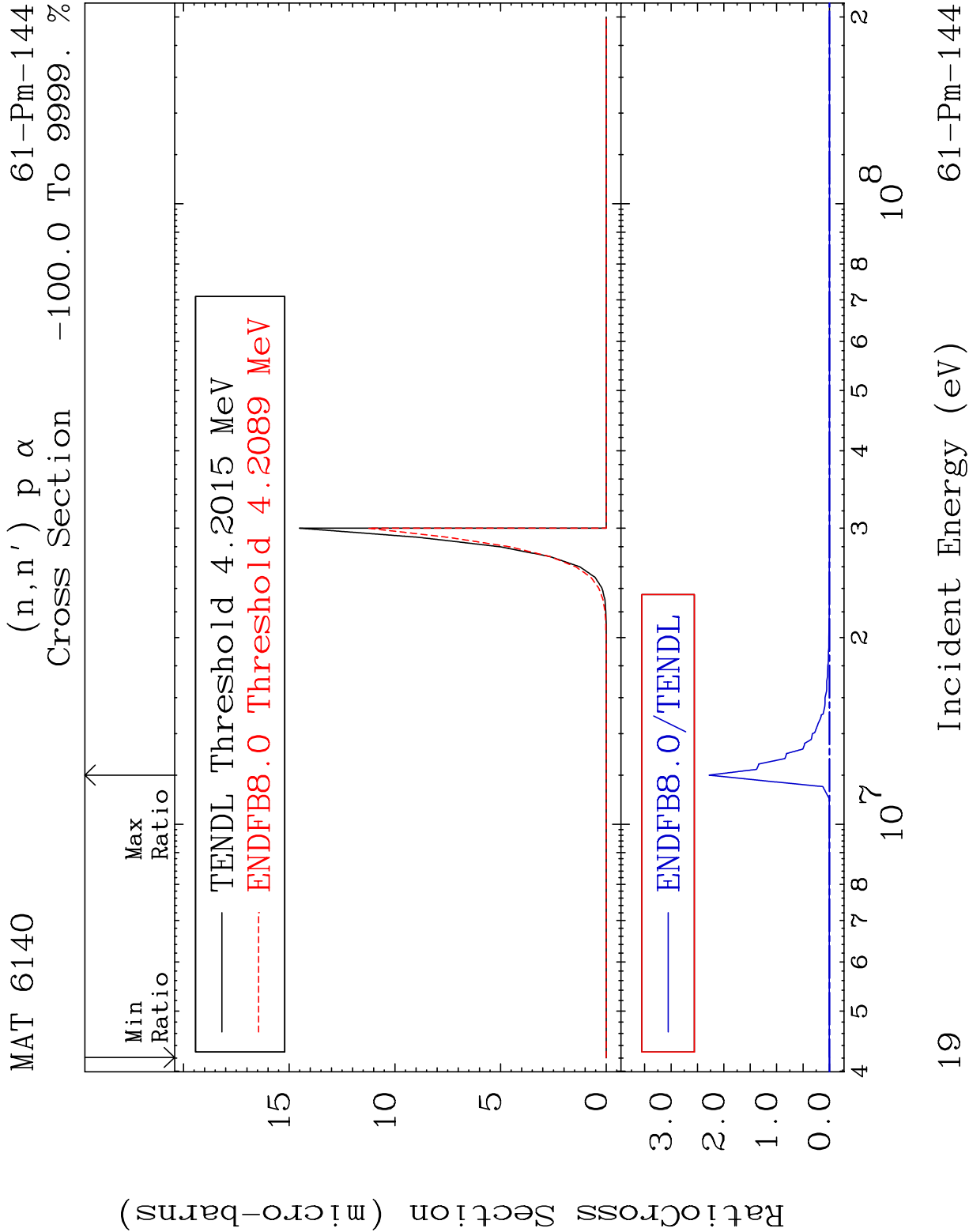




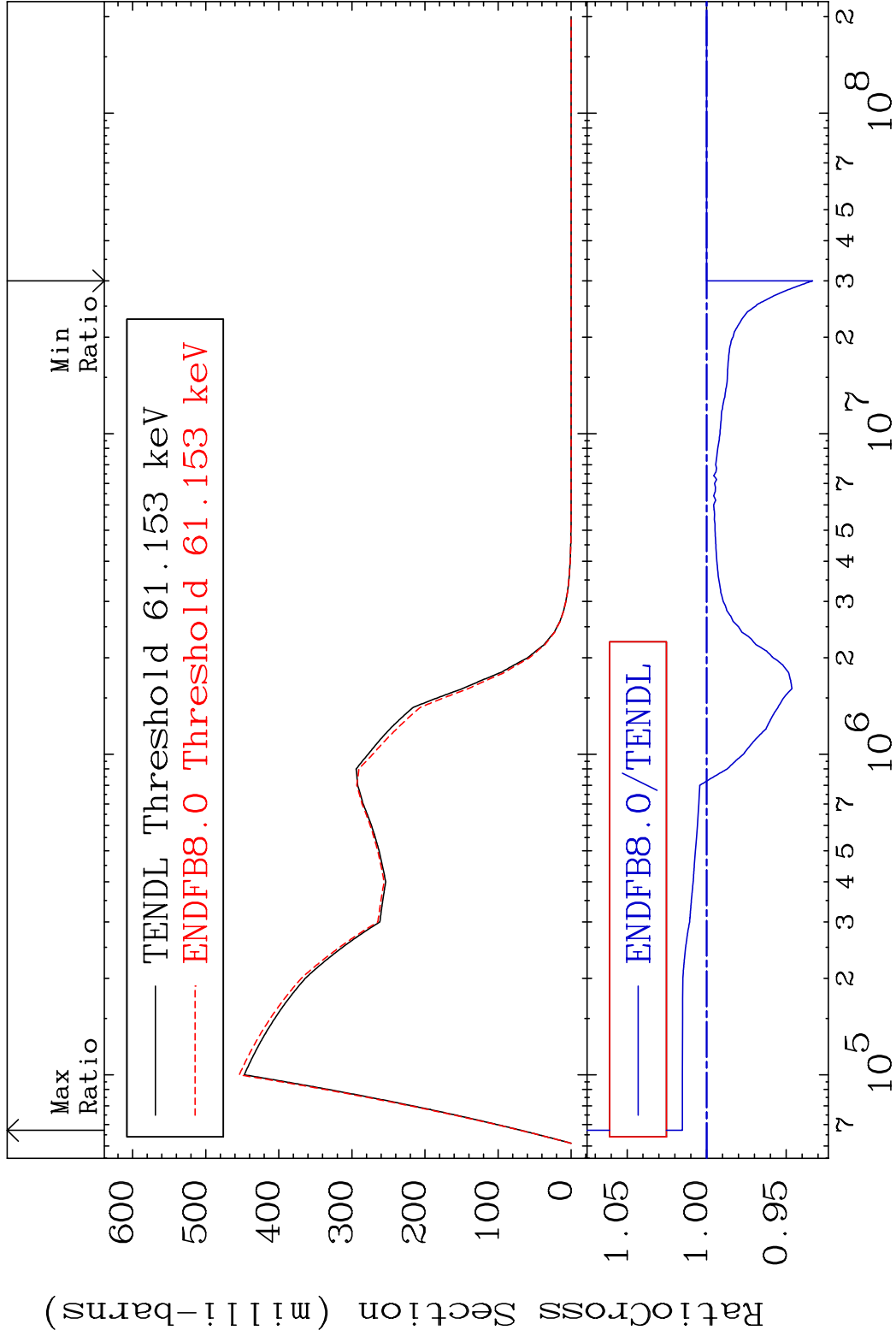








MAT 6140 MT= 51 (n,n') Level 61-Pm-144
Cross Section -6.656 To 1.528 %



20 Incident Energy (eV) 61-Pm-144

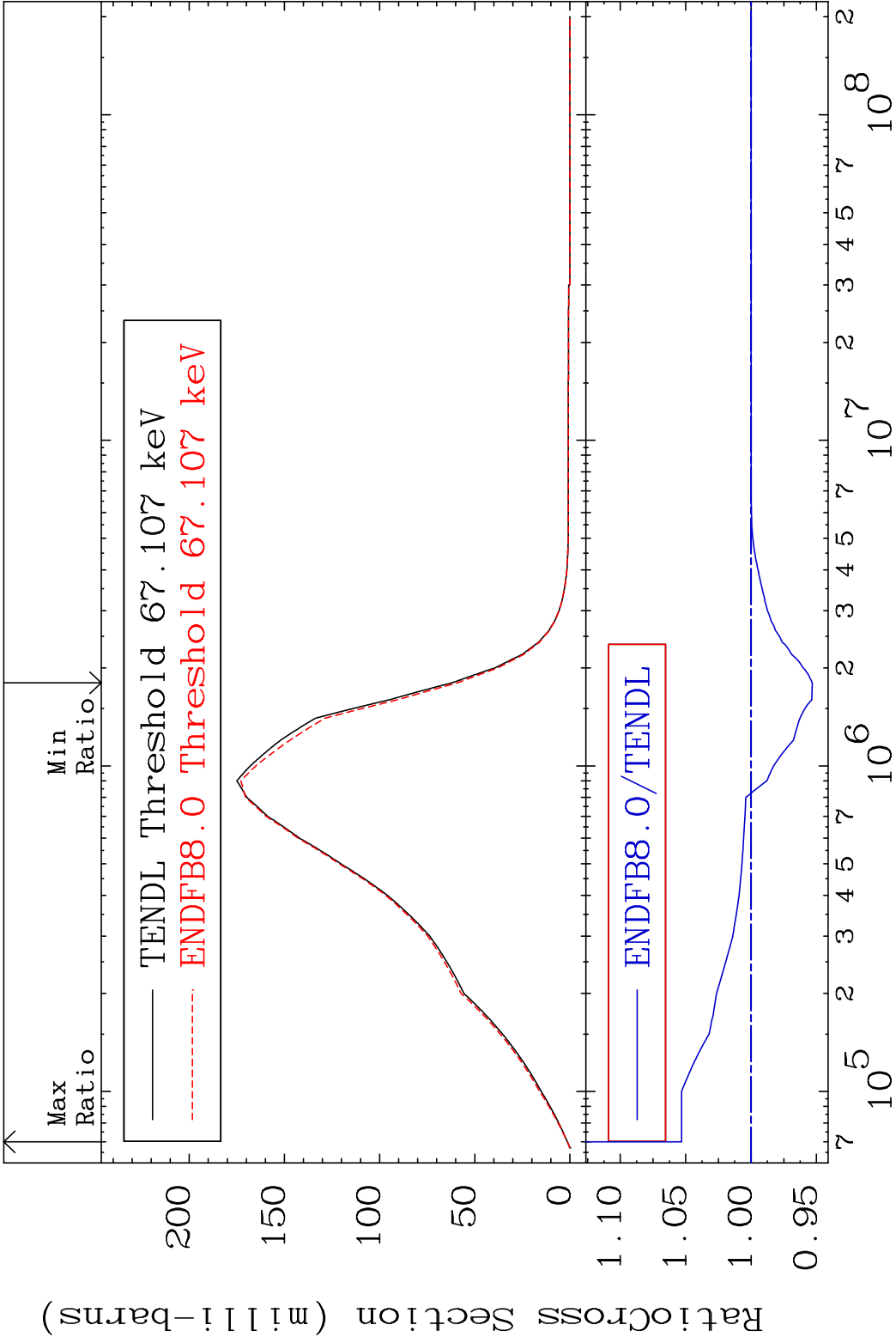
MAT 6140

MT= 52 (n,n') Level

61-Pm-144

Cross Section

-4.675 To 5.319 %



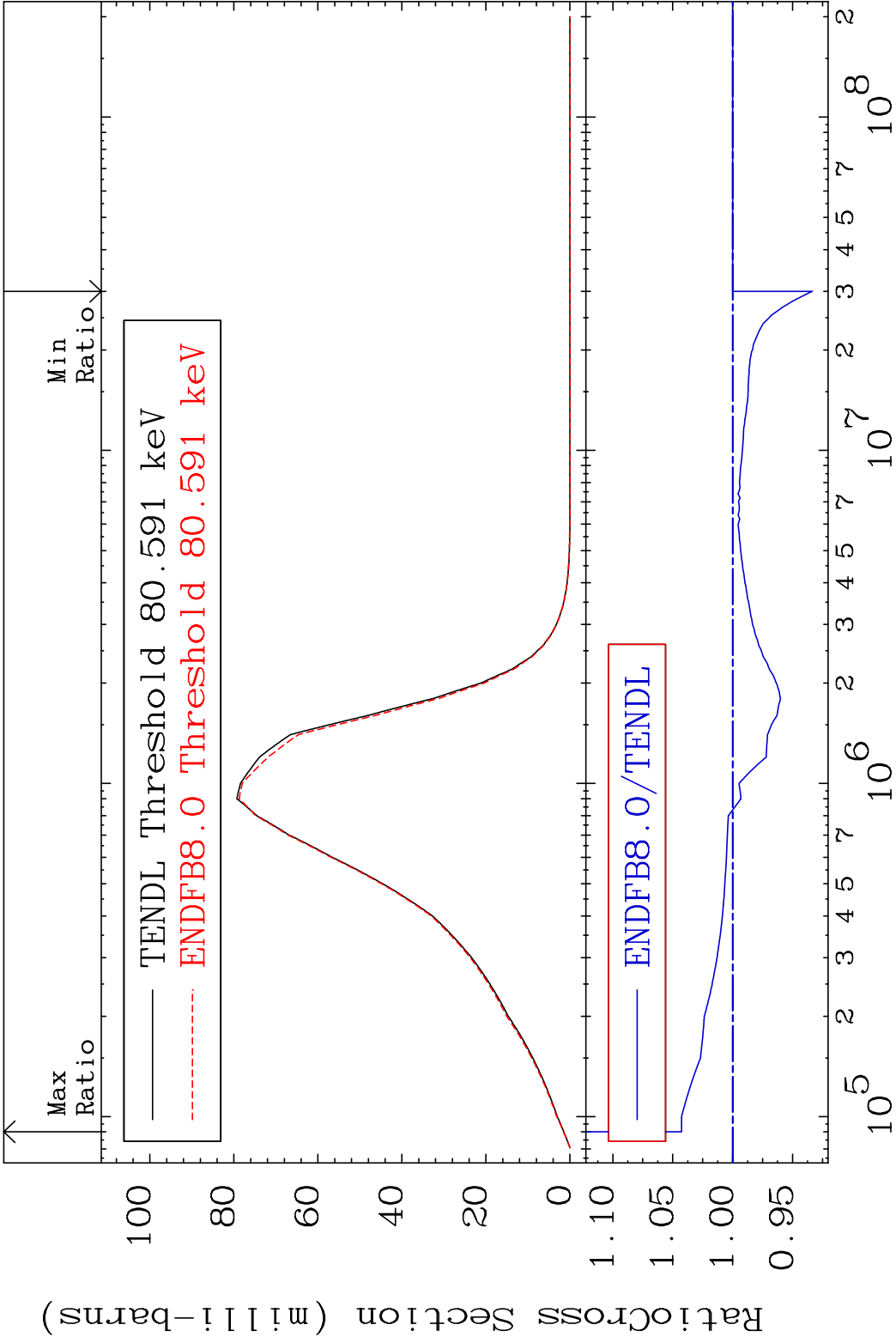
MAT 6140

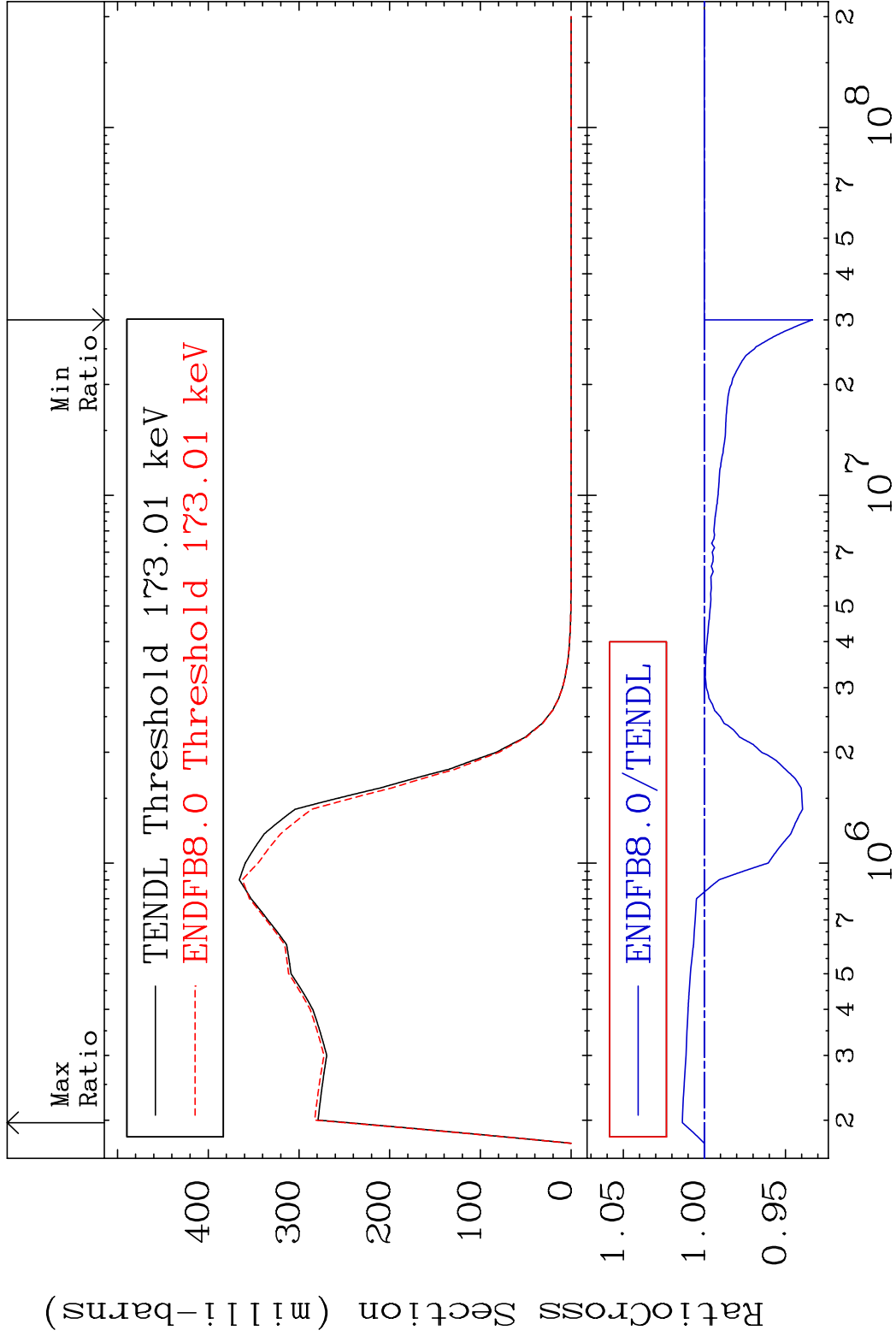
MT= 53 (n,n') Level

61-Pm-144

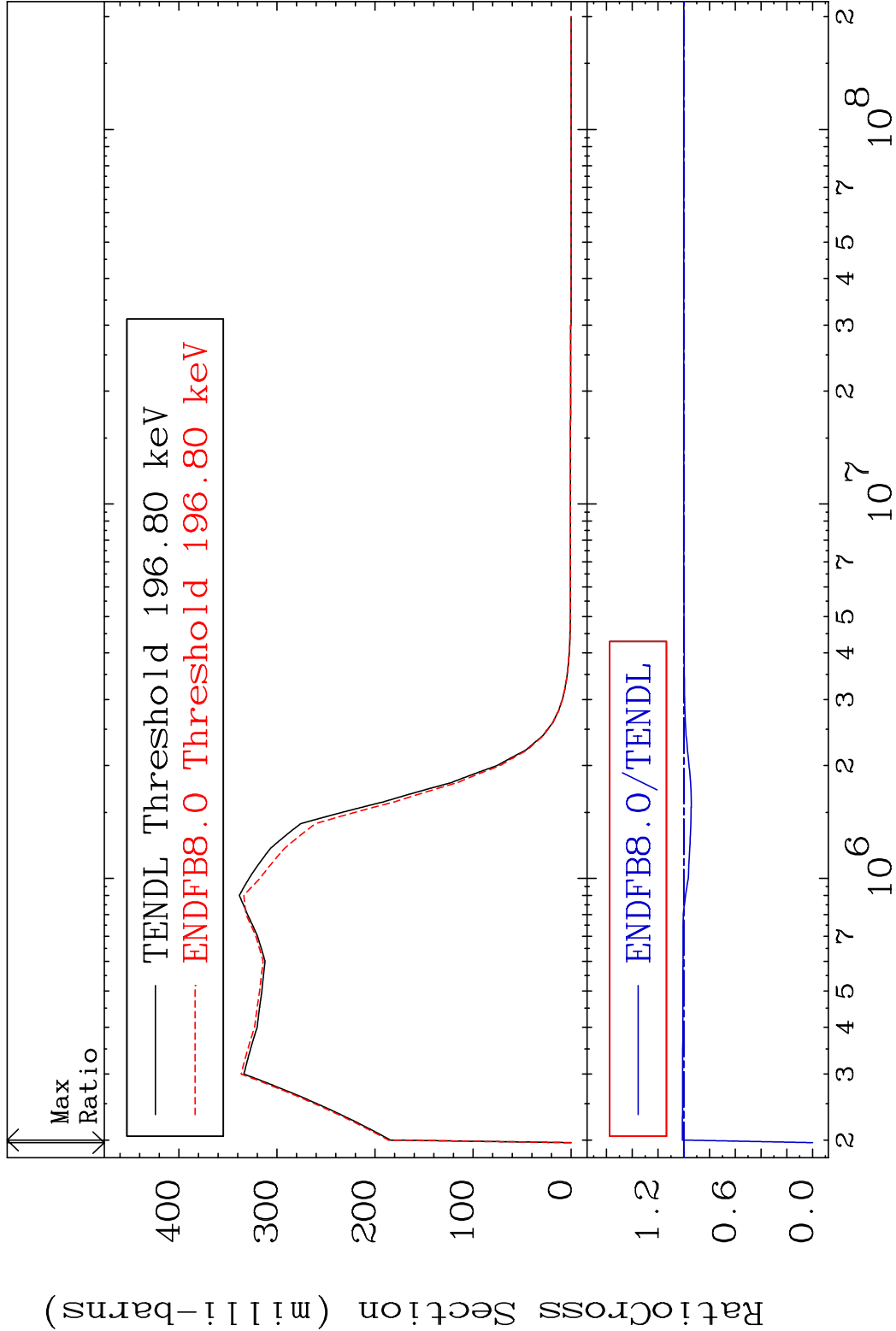
Cross Section

-6.641 To 4.264 %

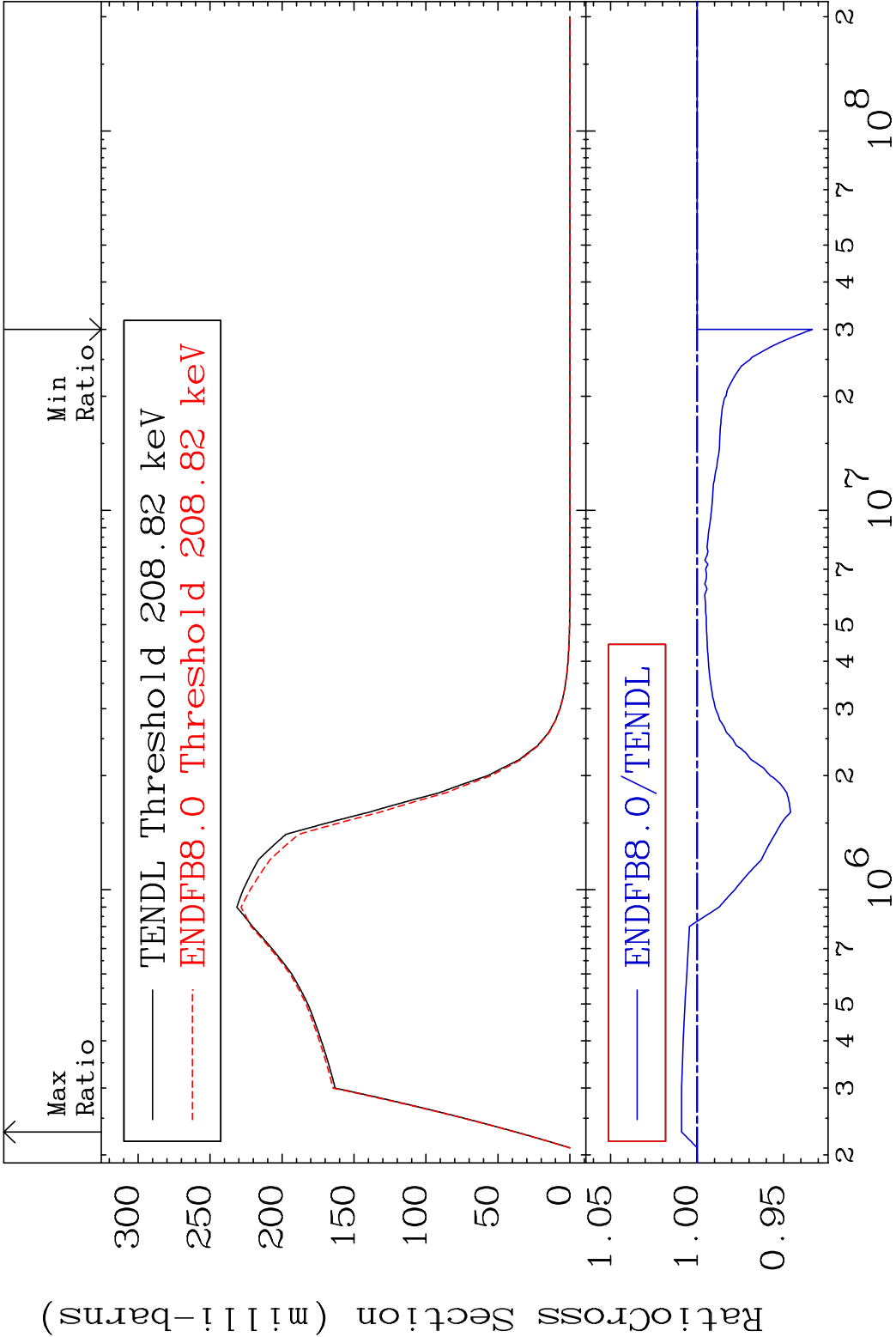




MAT 6140 MT= 55 (n,n') Level 61-Pm-144
 Cross Section -100.0 To 1.123 %



MAT 6140 MT= 56 (n,n') Level 61-Pm-144
Cross Section -6.655 To 0.902 %



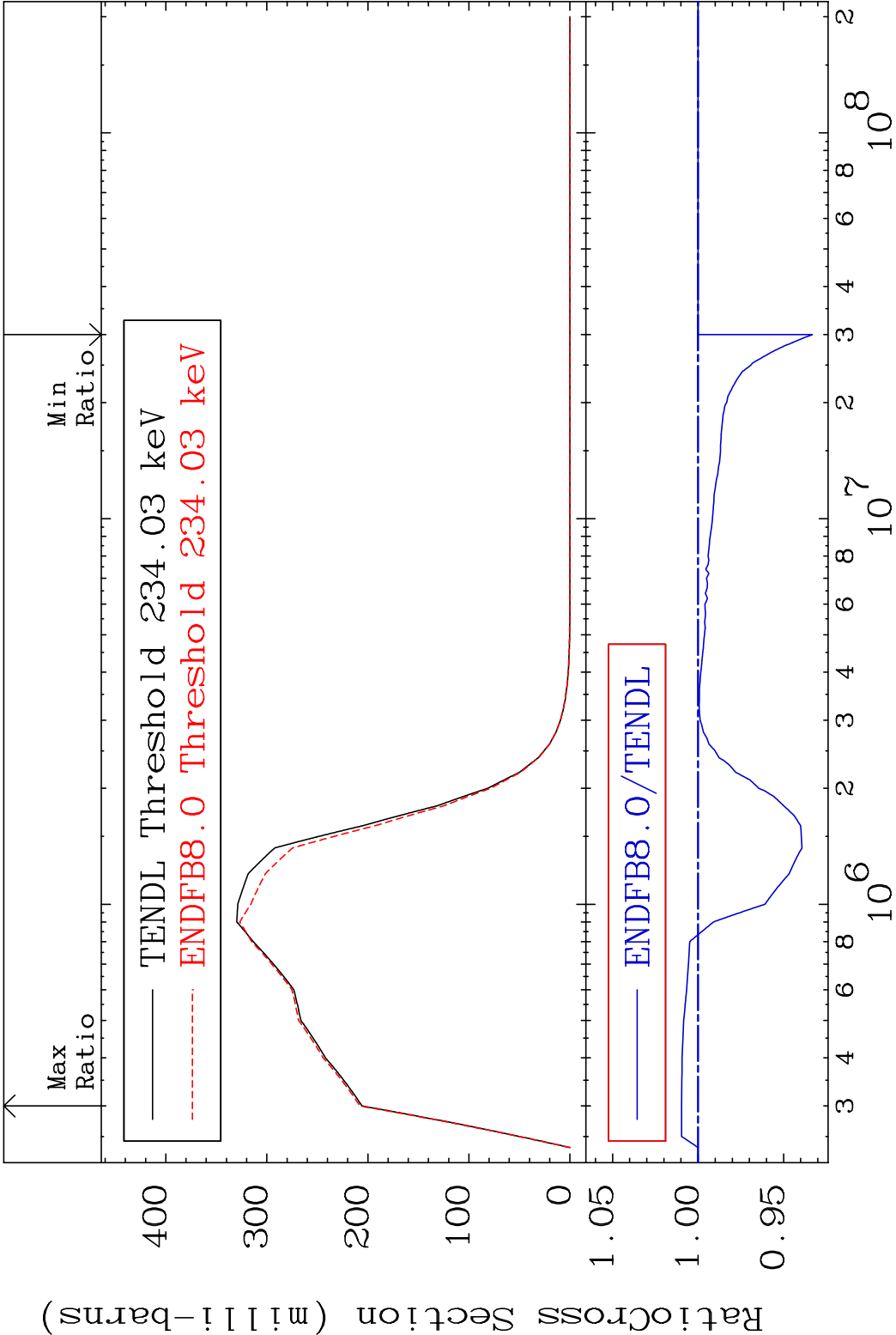
MAT 6140

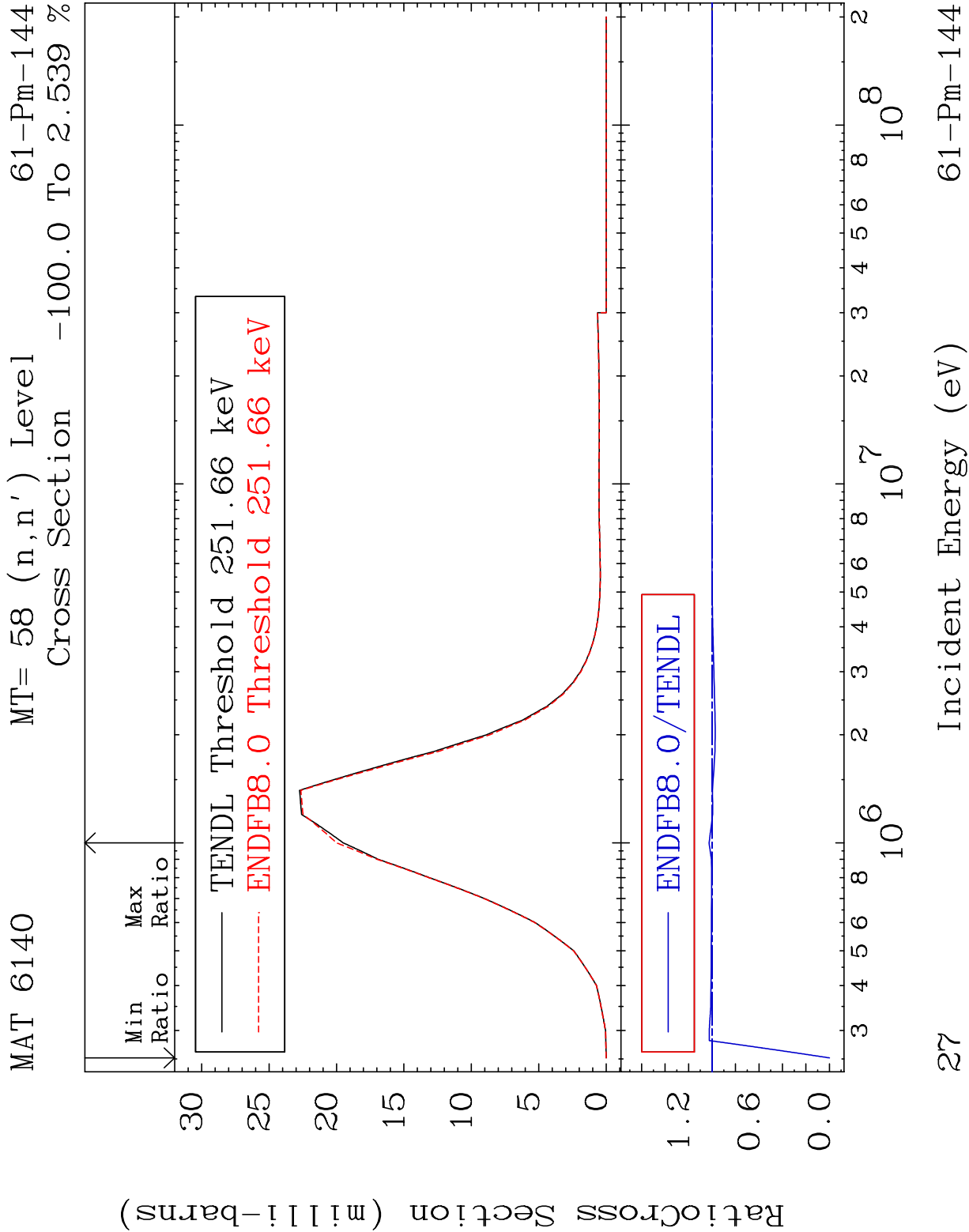
MT= 57 (n,n') Level

61-Pm-144

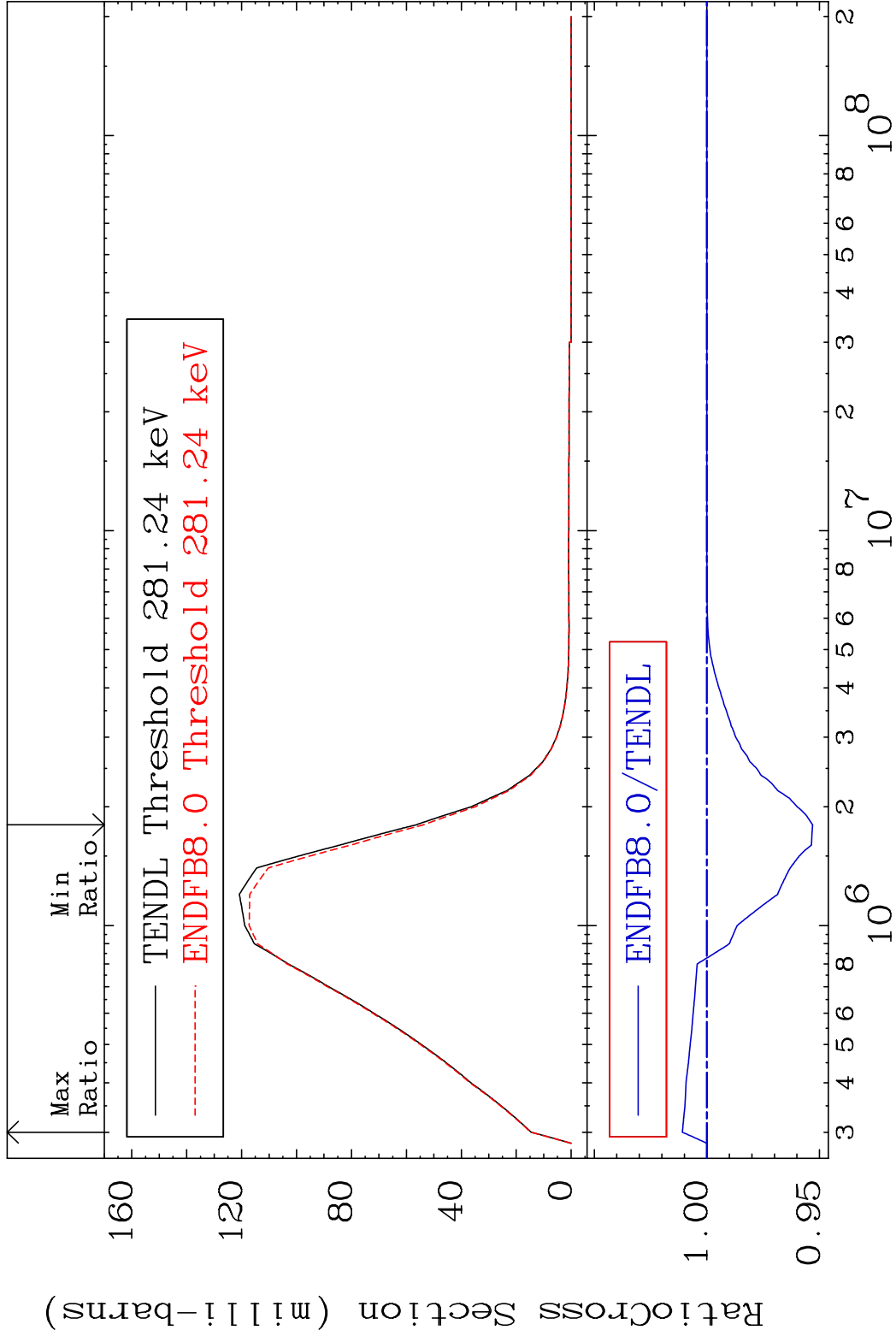
Cross Section

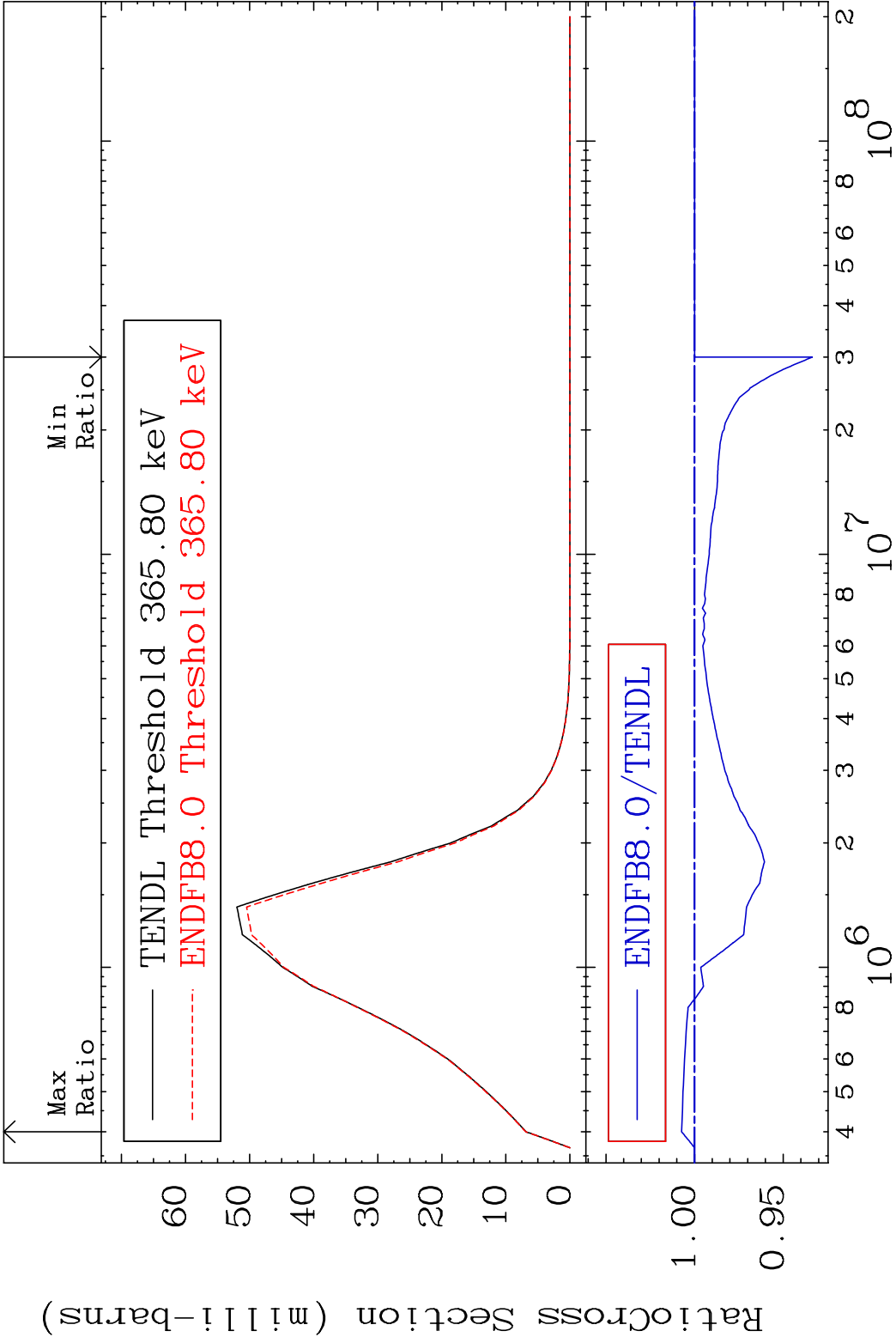
-6.677 To 0.968 %



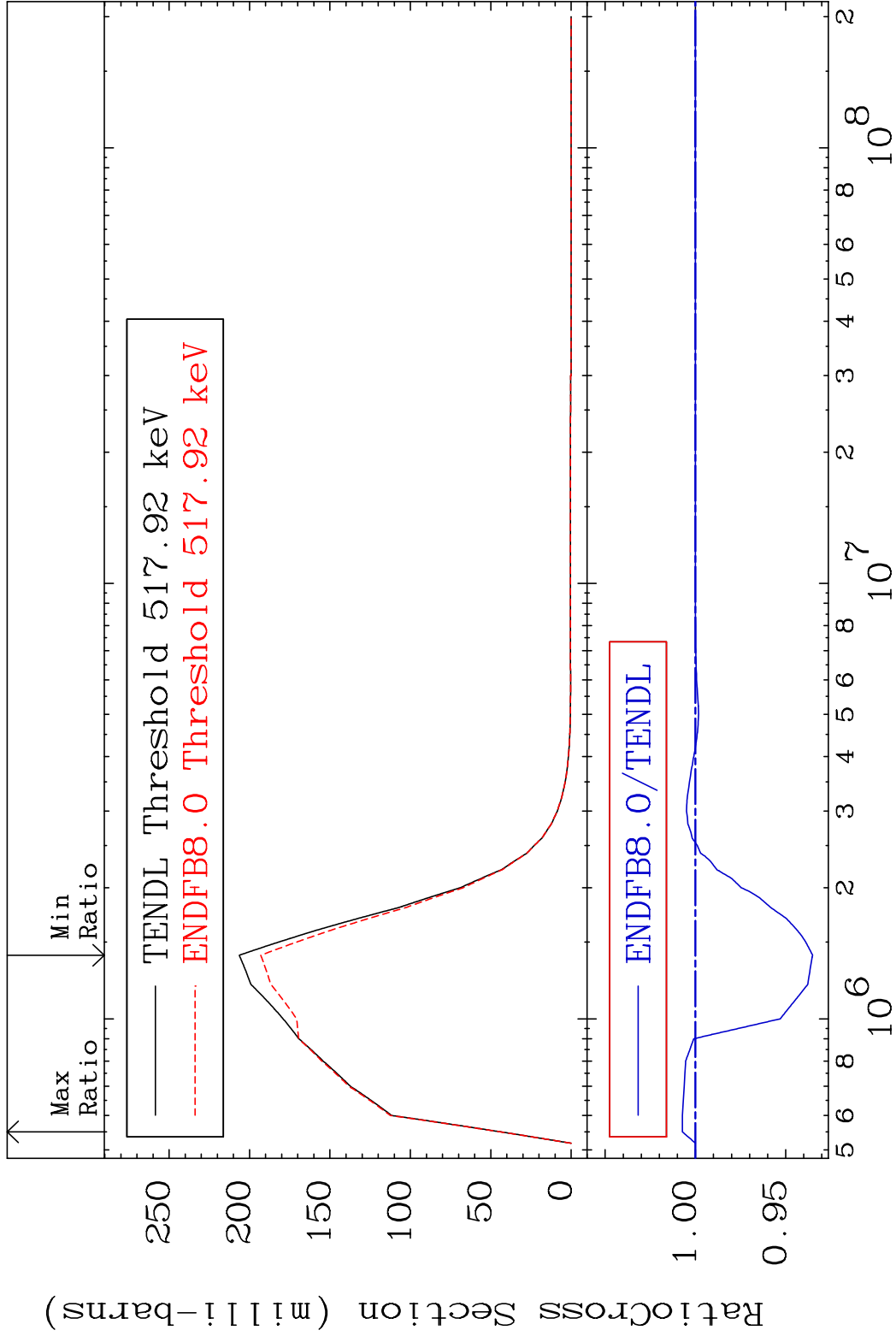


MAT 6140 MT= 59 (n,n') Level 61-Pm-144
Cross Section -4.692 To 1.089 %

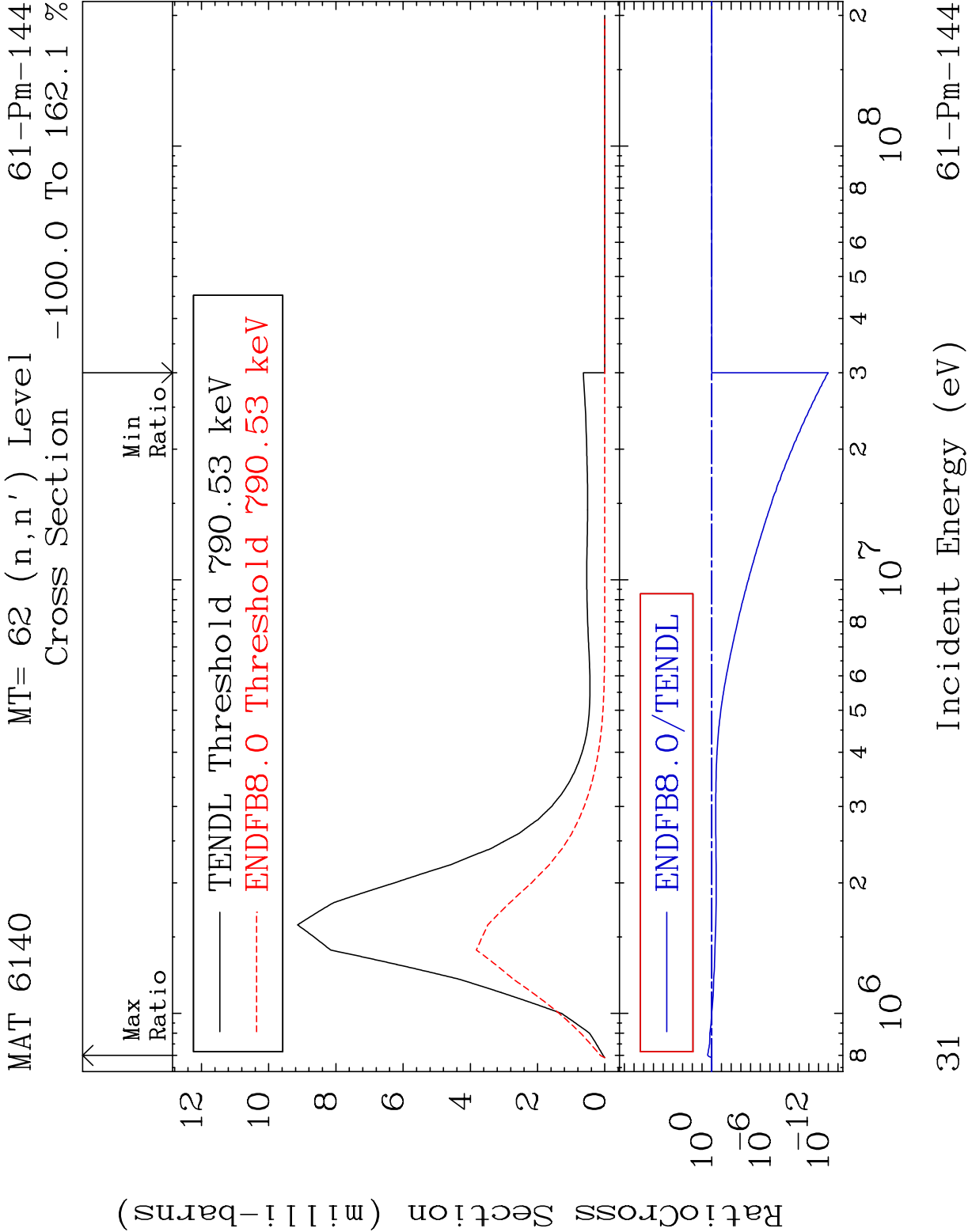




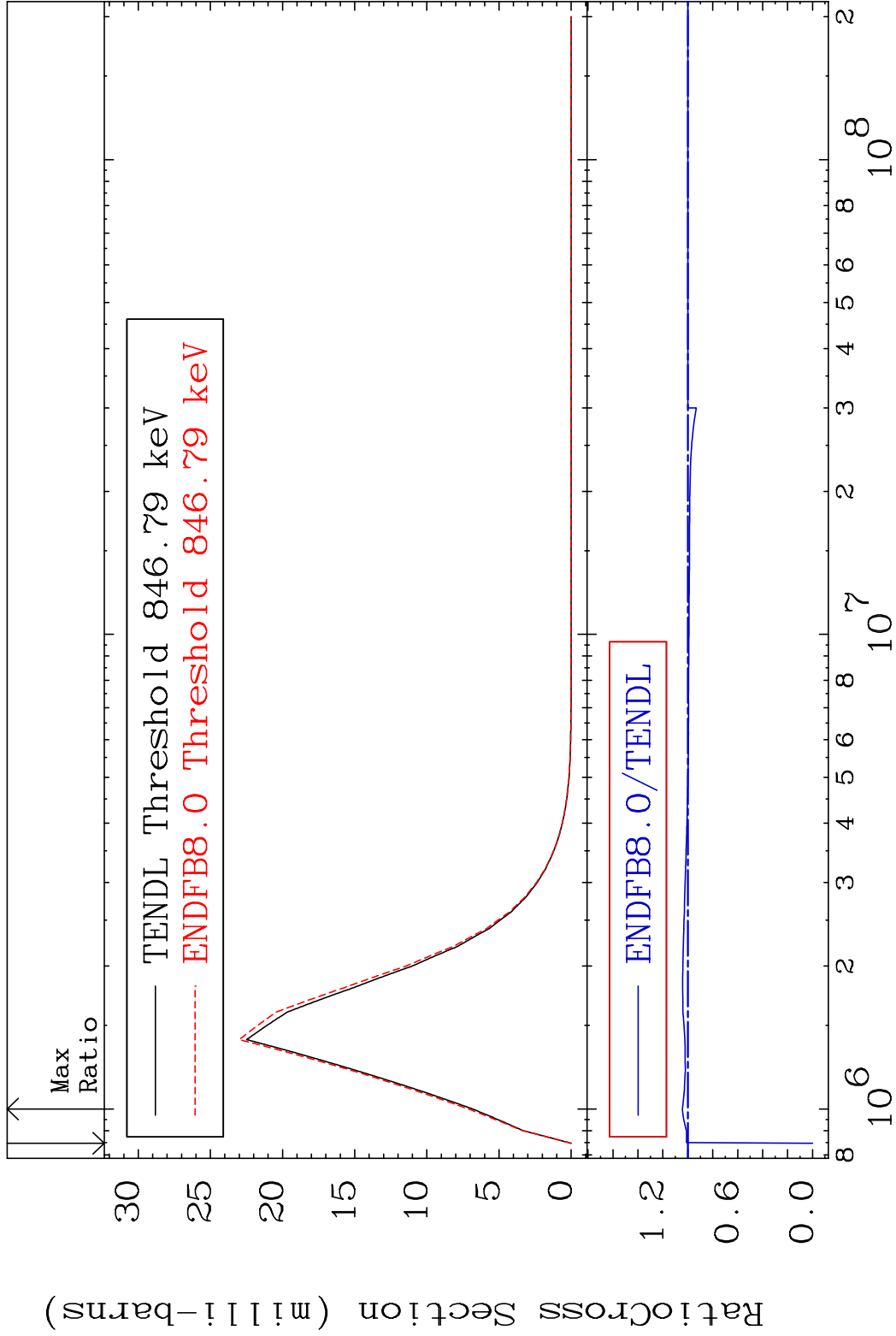
MAT 6140 MT= 61 (n,n') Level 61-Pm-144
Cross Section -6.487 To 0.725 %



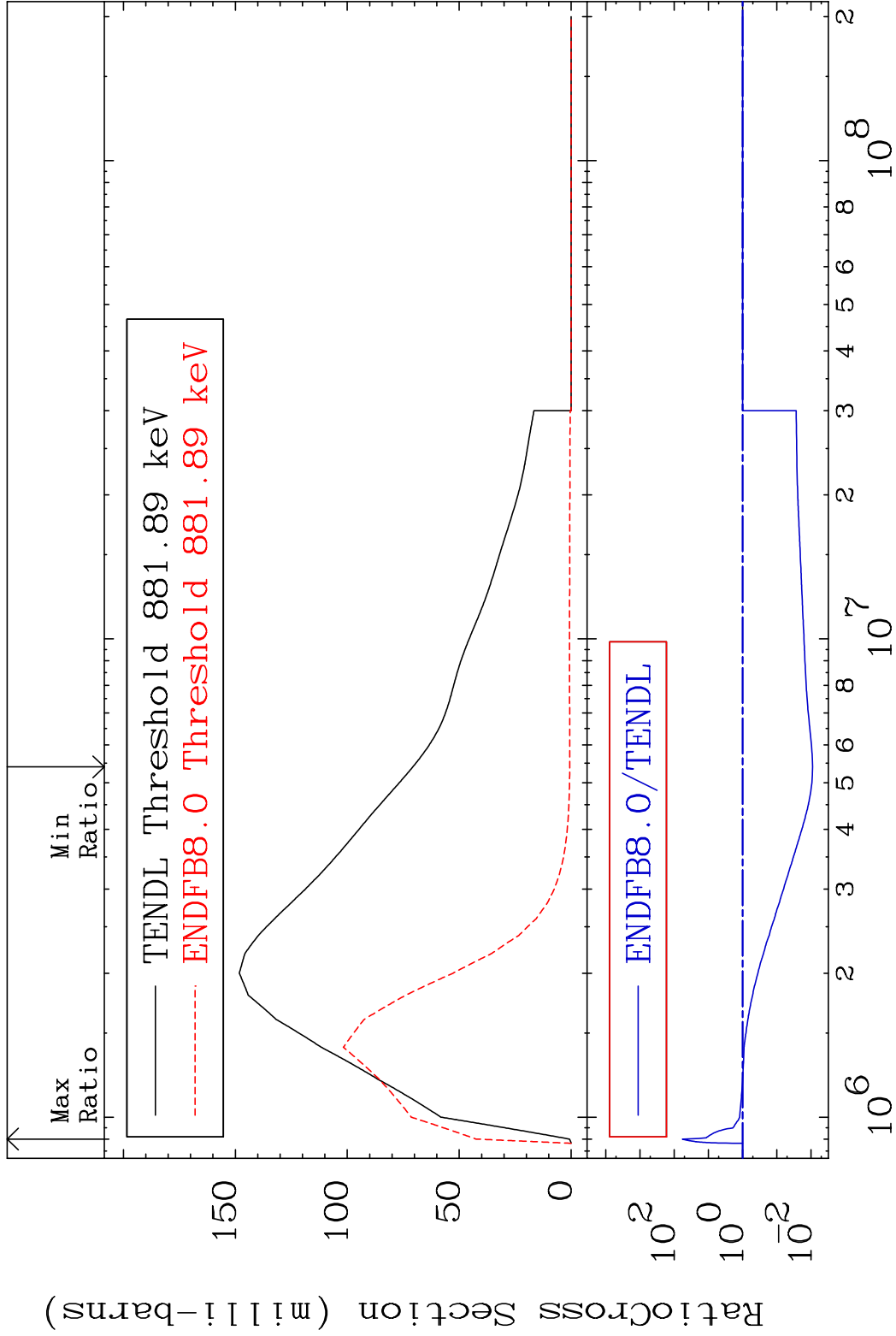
30 Incident Energy (eV) 61-Pm-144



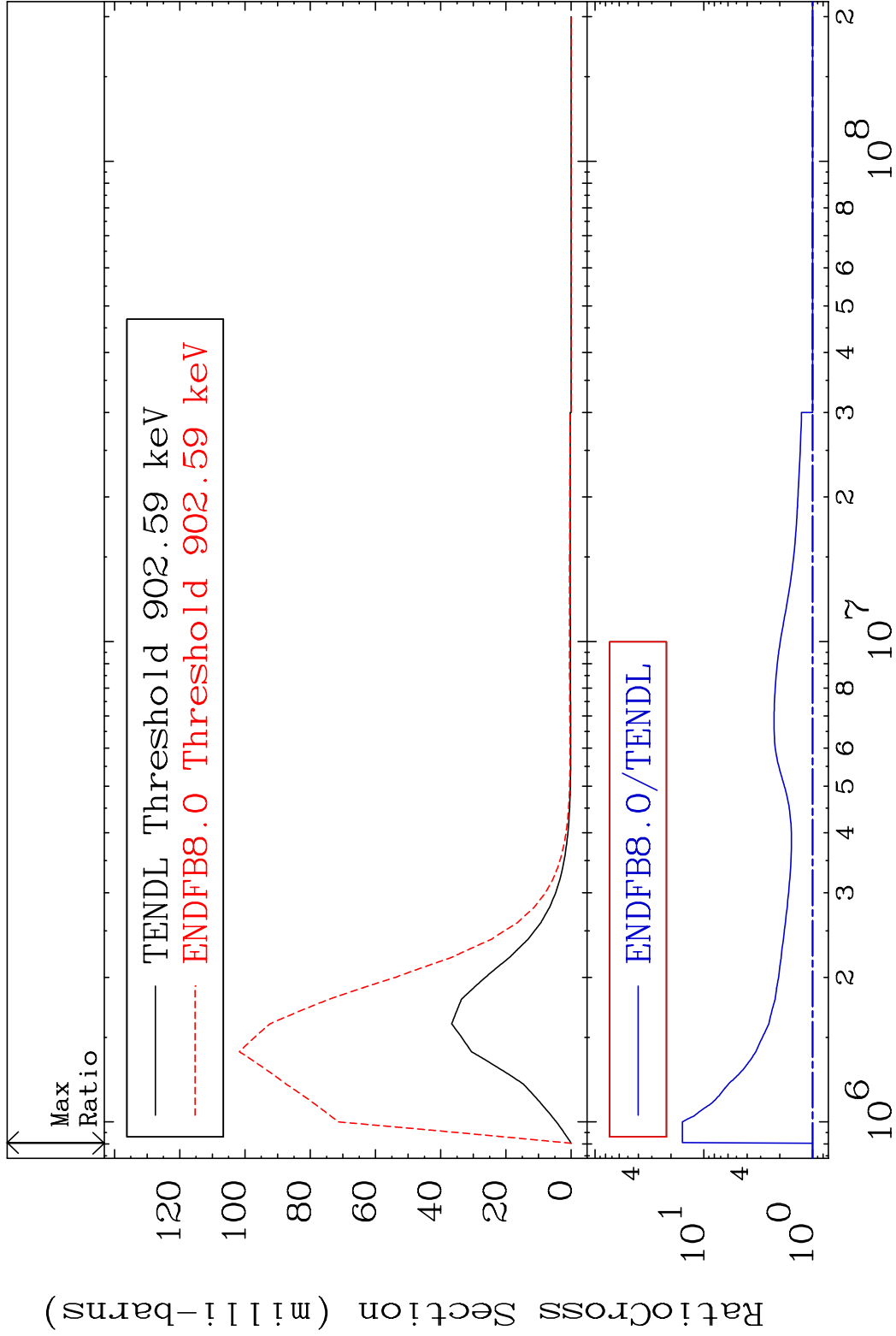
MAT 6140 MT= 63 (n,n') Level 61-Pm-144
Cross Section -100.0 To 4.381 %



MAT 6140 MT= 64 (n,n') Level 61-Pm-144
Cross Section -99.10 To 5649. %

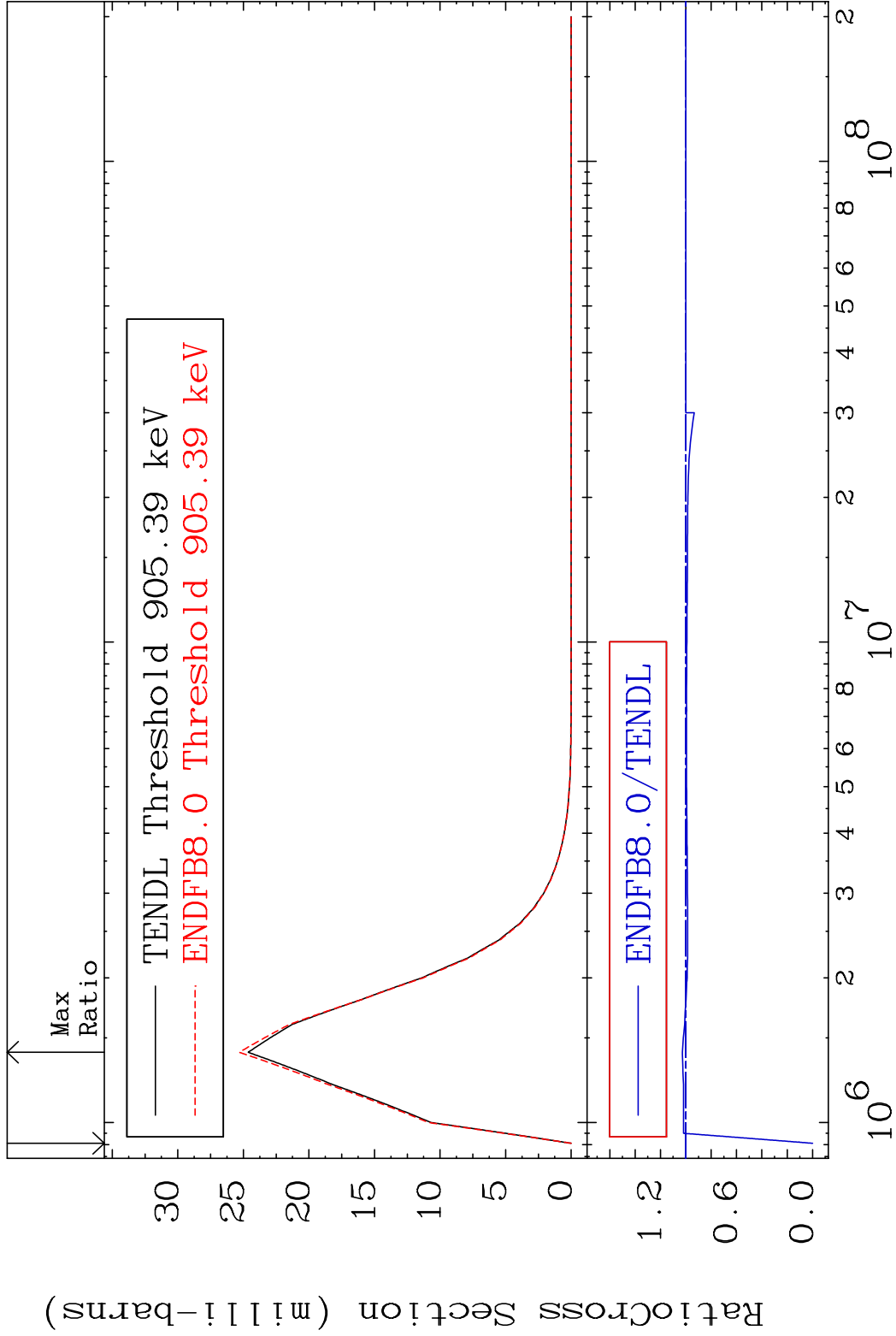


MAT 6140 MT= 65 (n,n') Level 61-Pm-144
Cross Section 0.000 To 1474. %

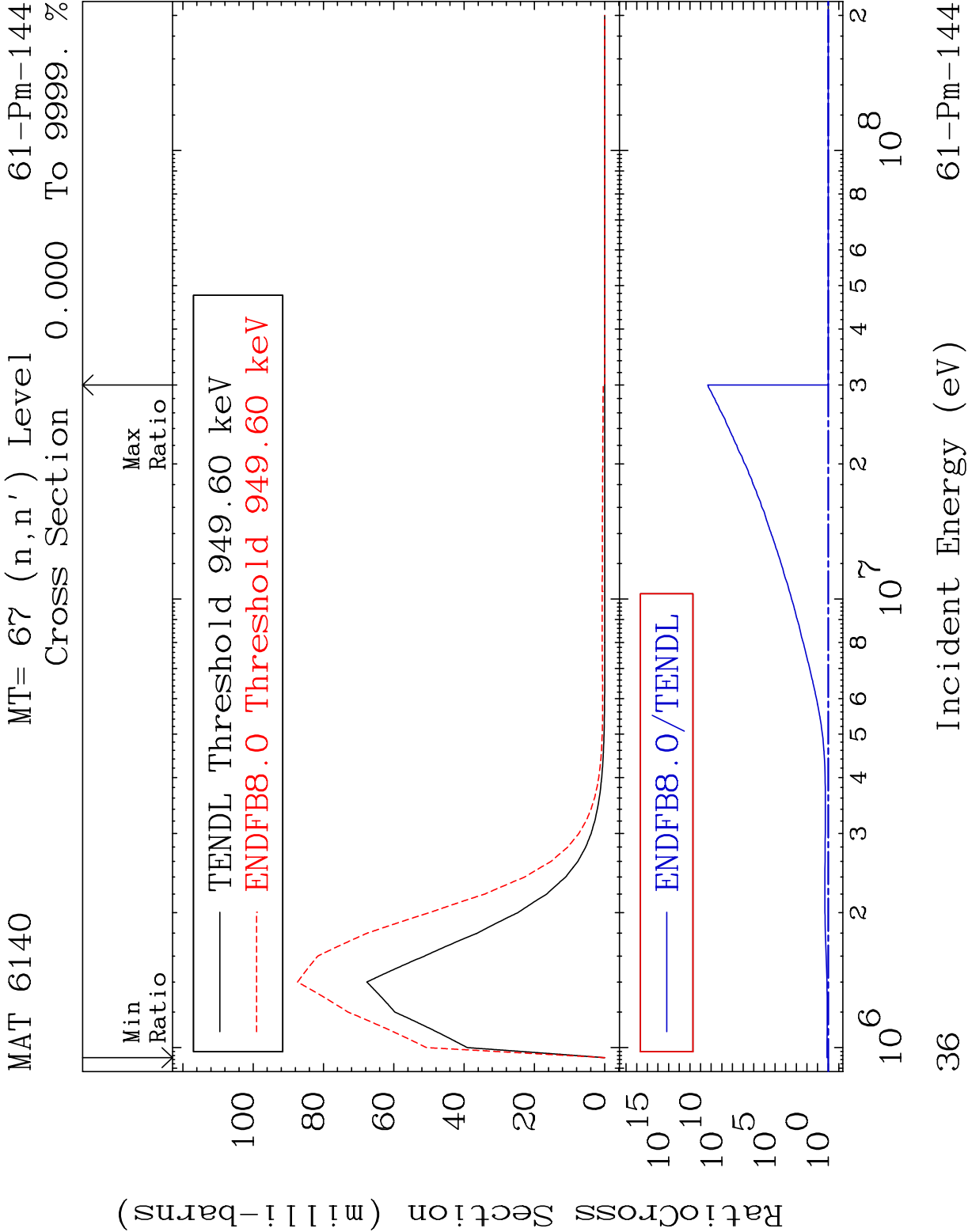


34 Incident Energy (eV) 61-Pm-144

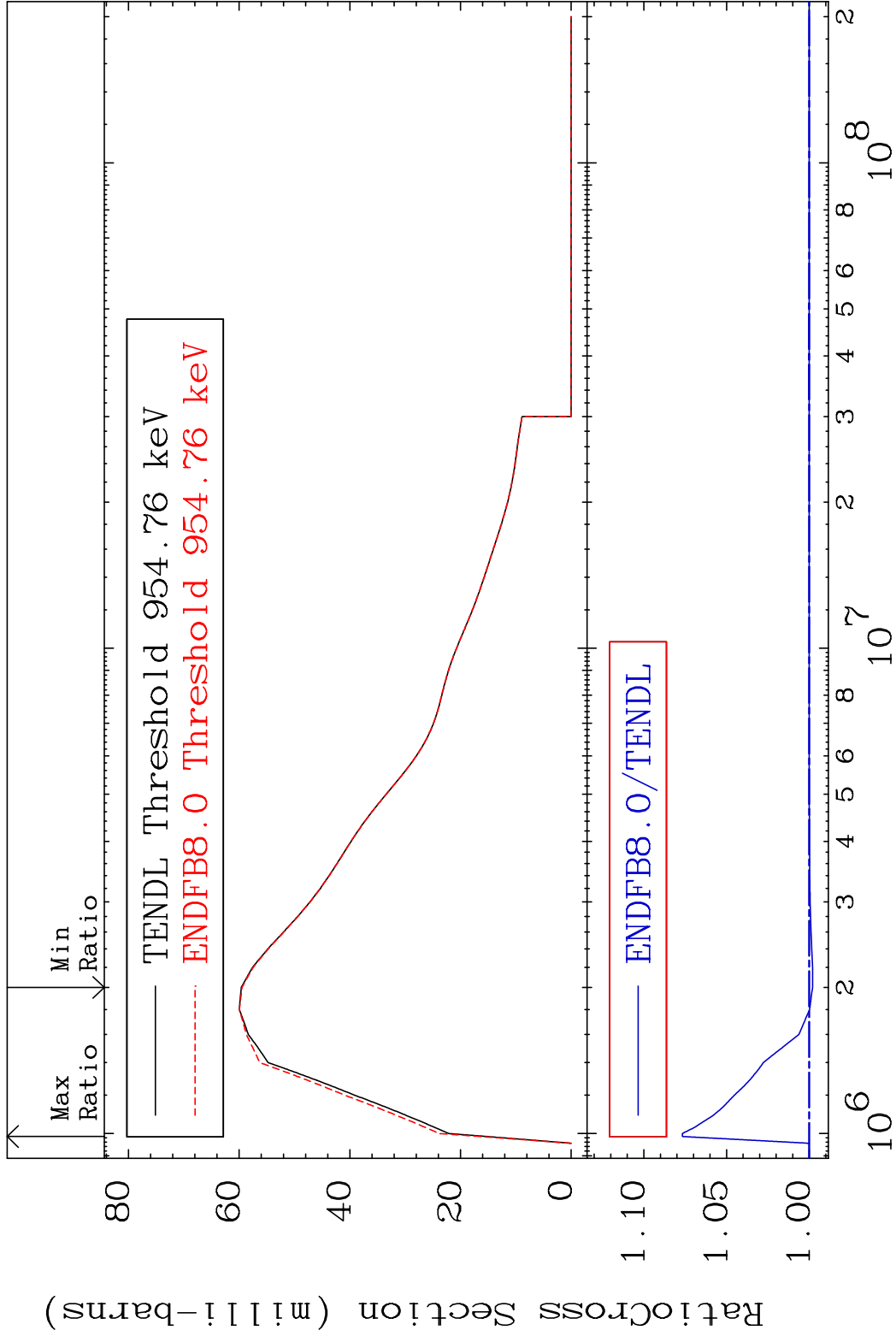
MAT 6140 MT= 66 (n,n') Level 61-Pm-144
Cross Section -100.0 To 2.734 %



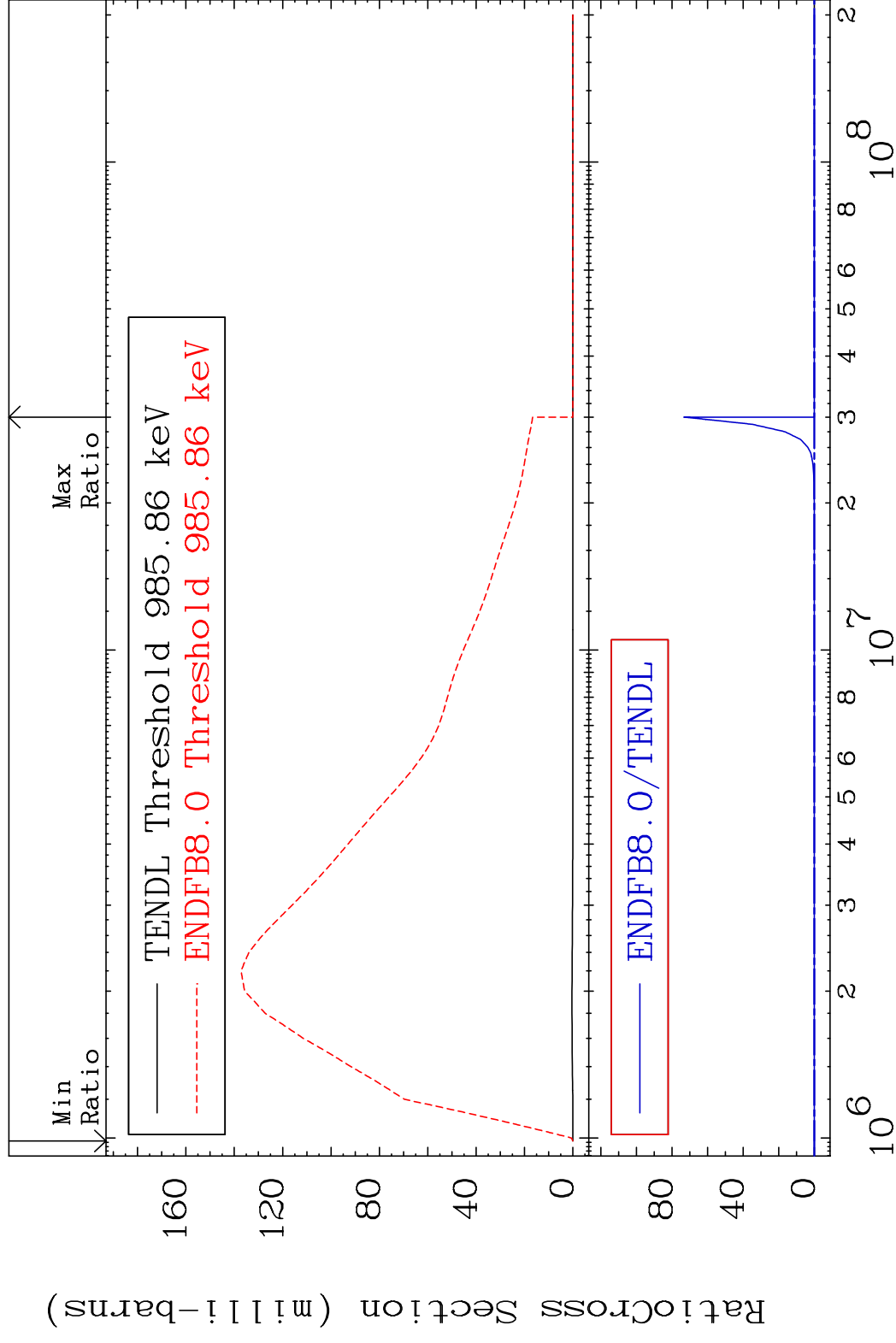
35 Incident Energy (eV) 61-Pm-144



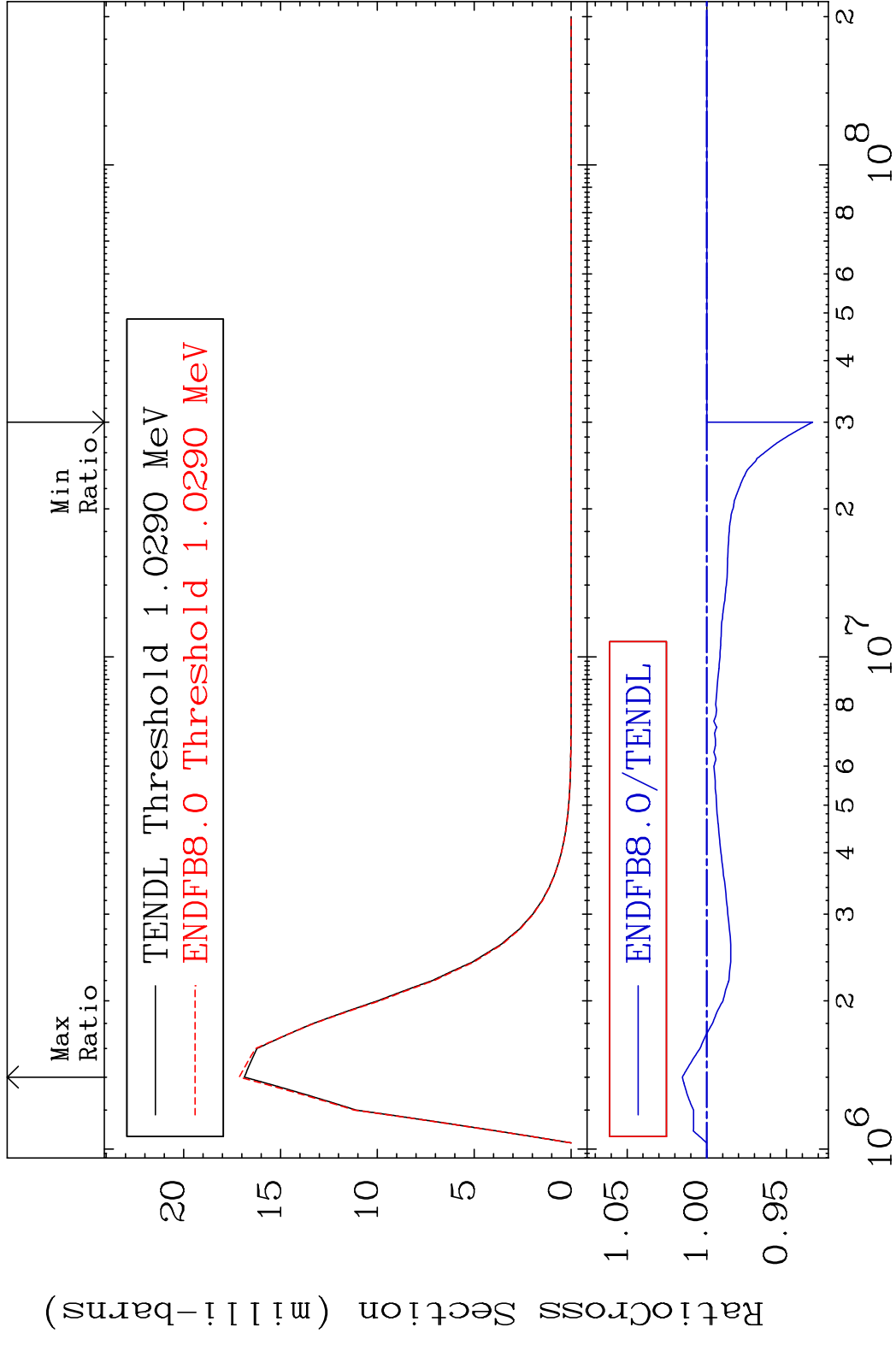
MAT 6140 MT= 68 (n,n') Level 61-Pm-144
Cross Section -0.201 To 7.672 %

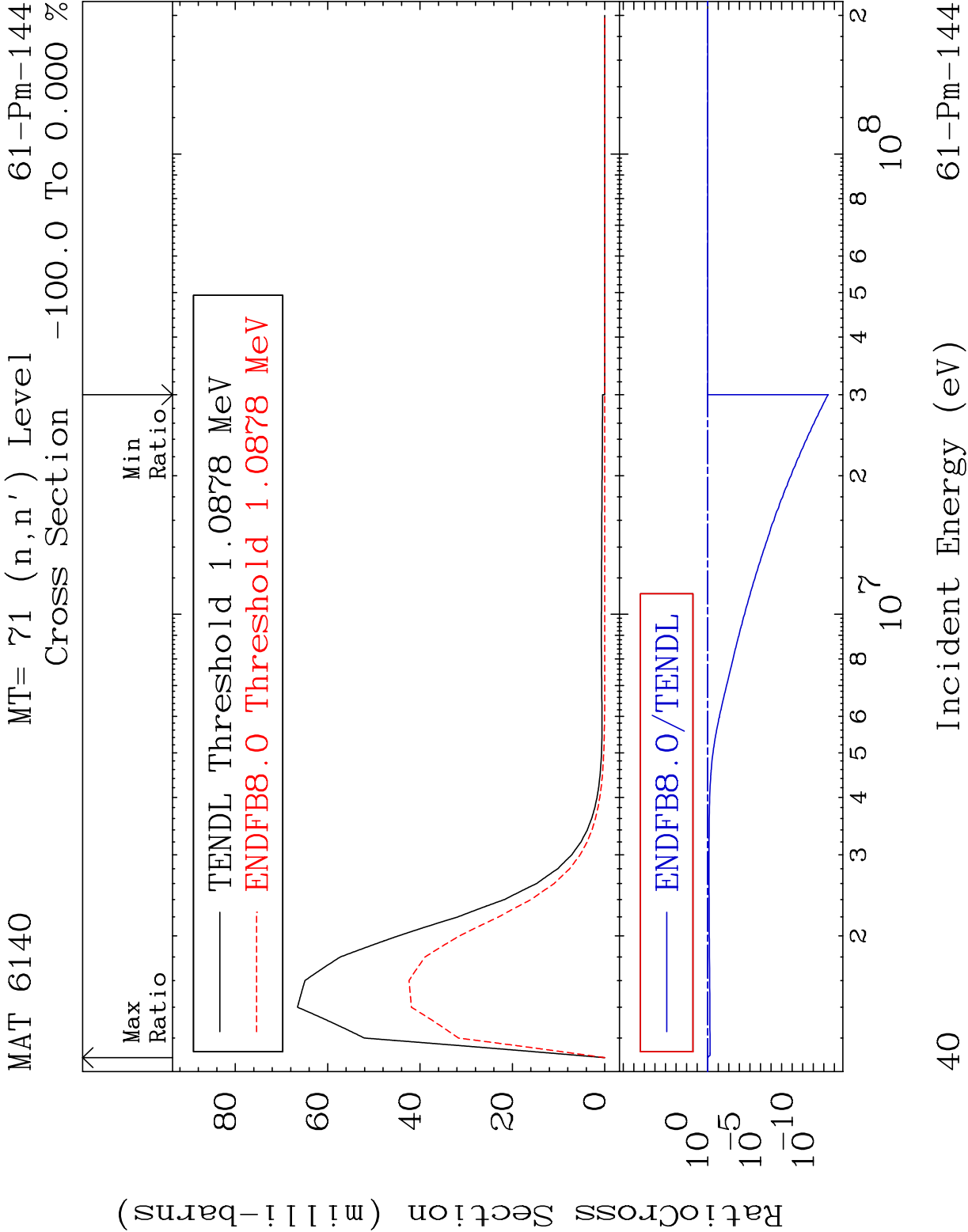


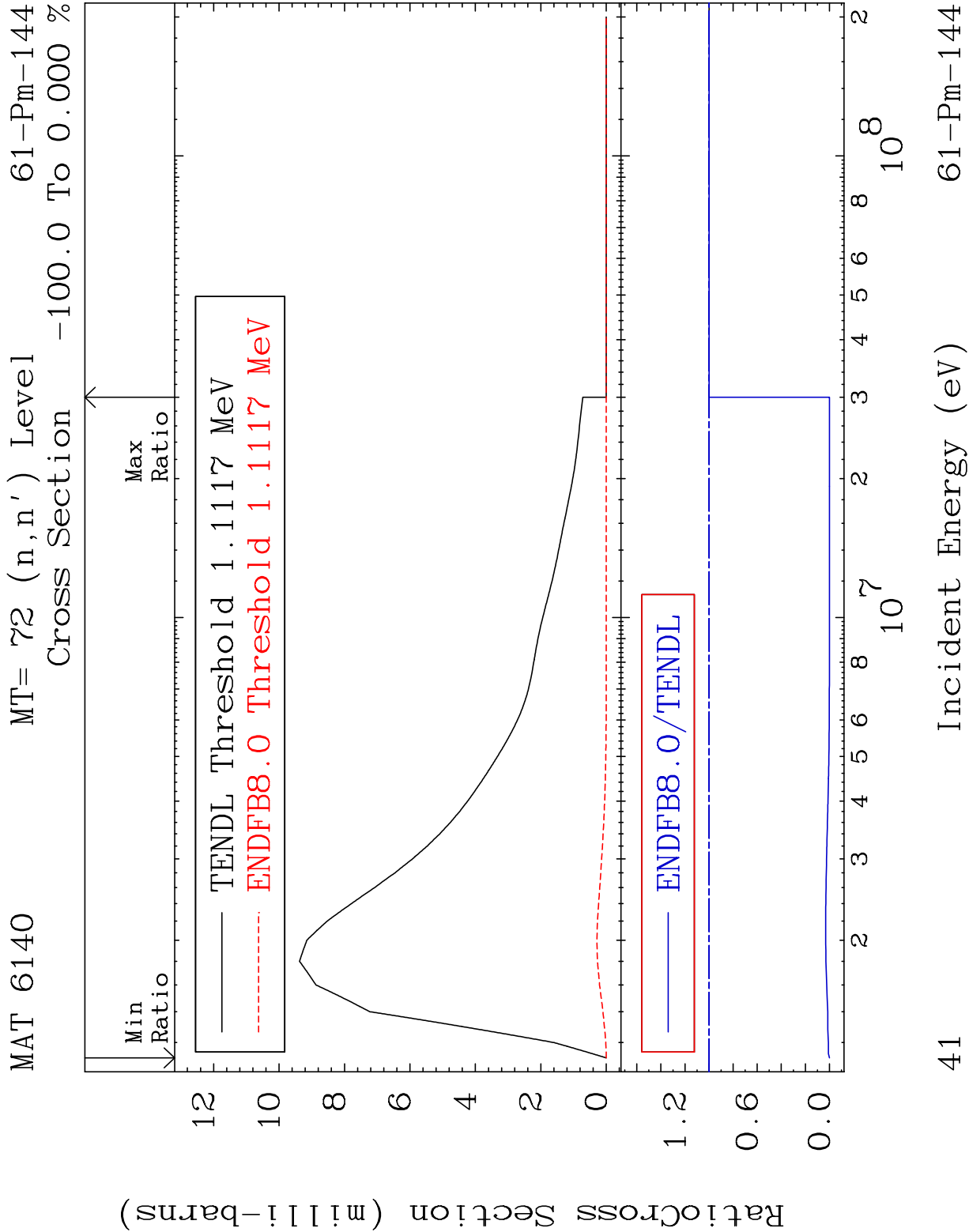
MAT 6140	MT= 69 (n, n') Level	61-Pm-144
	Cross Section	-100.0 To 9999. %

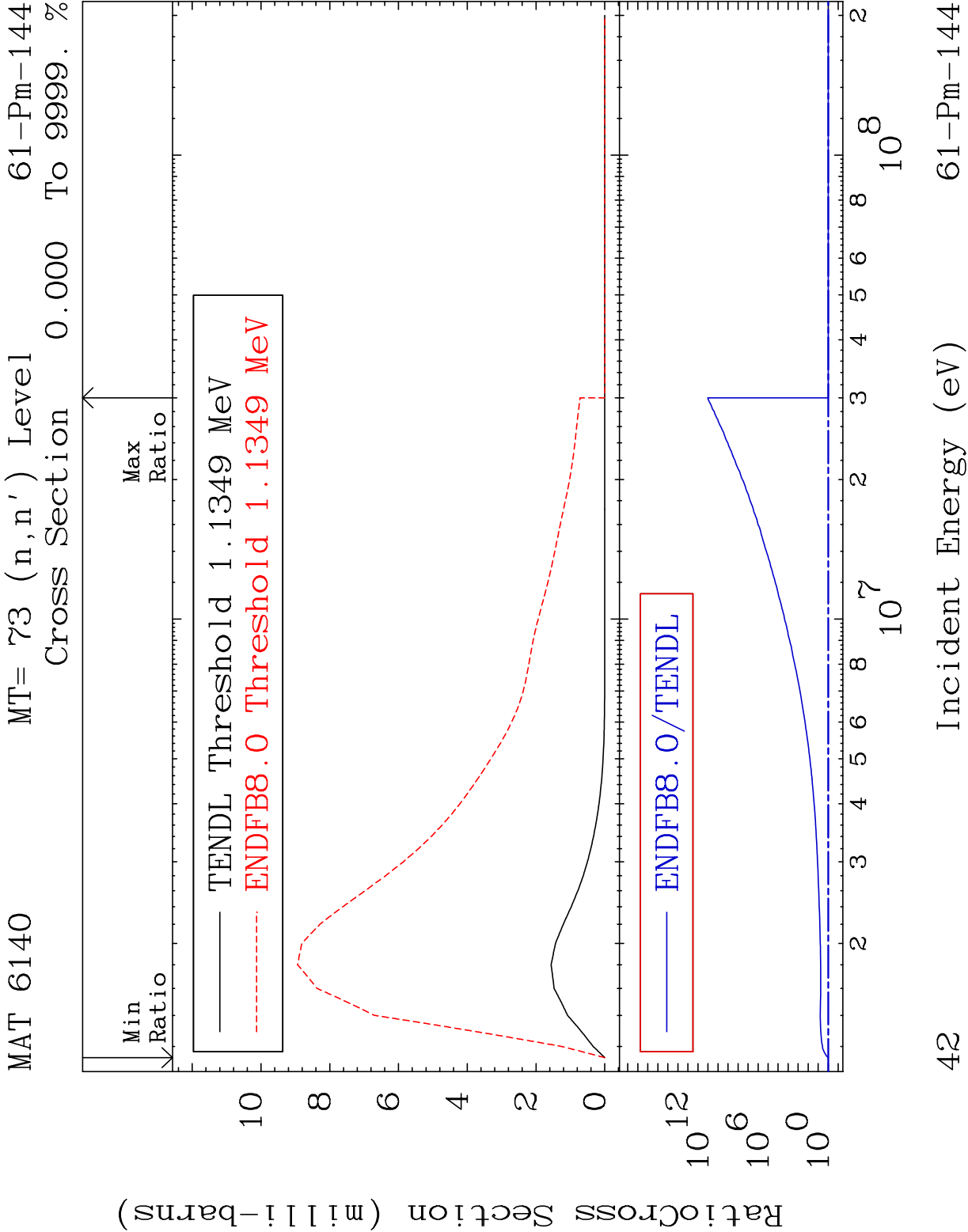


MAT 6140 MT= 70 (n,n') Level 61-Pm-144
Cross Section -6.646 To 1.531 %

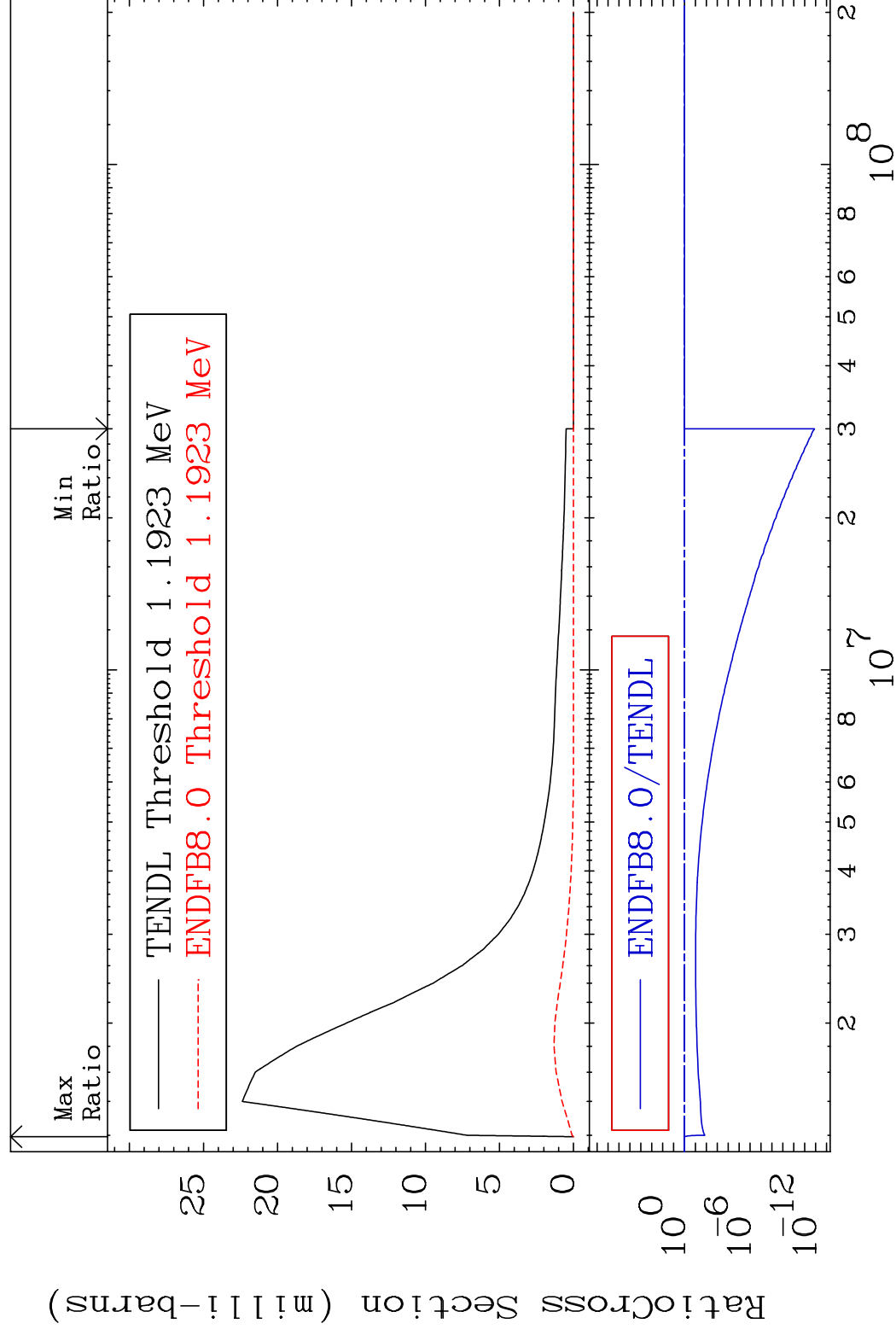


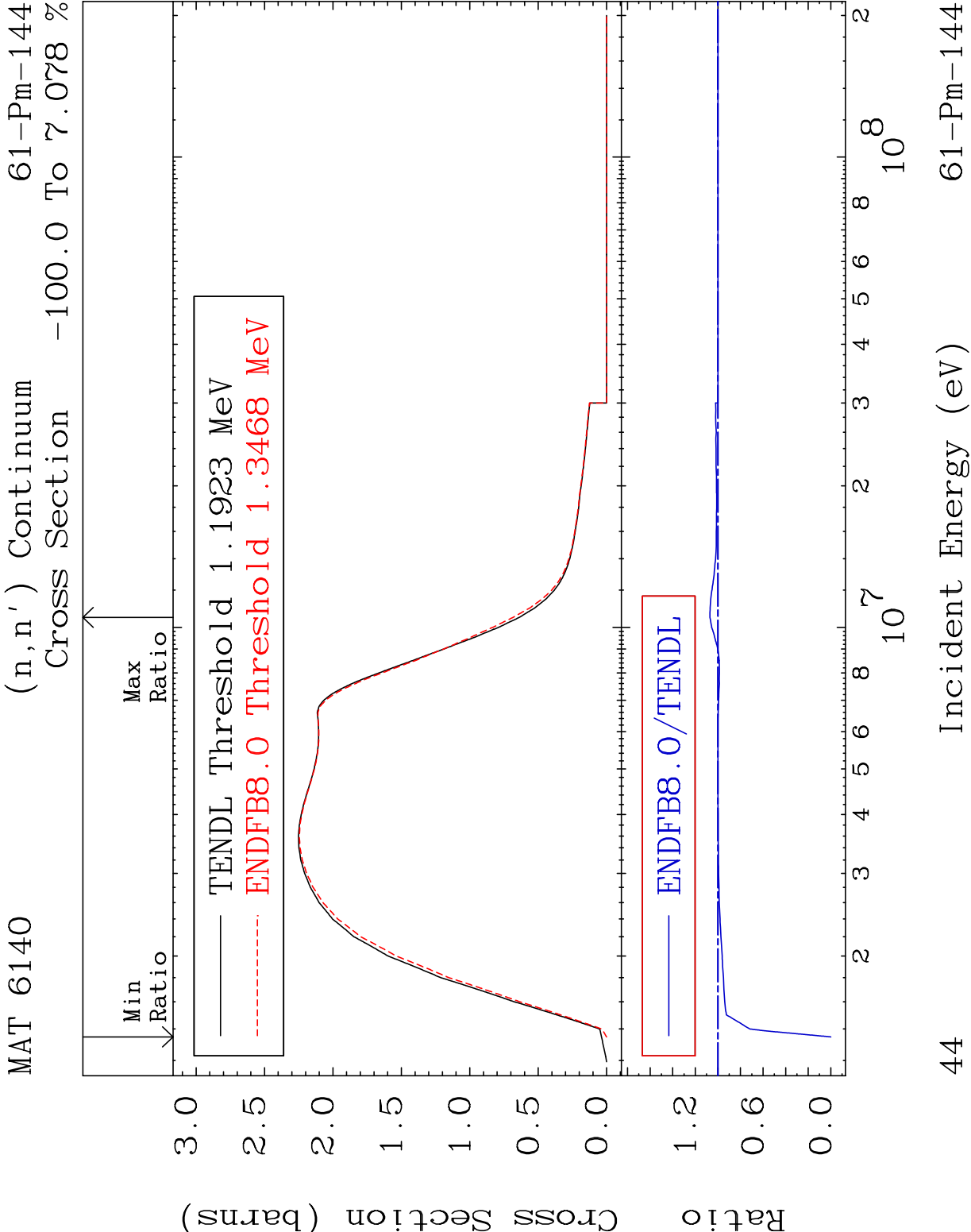


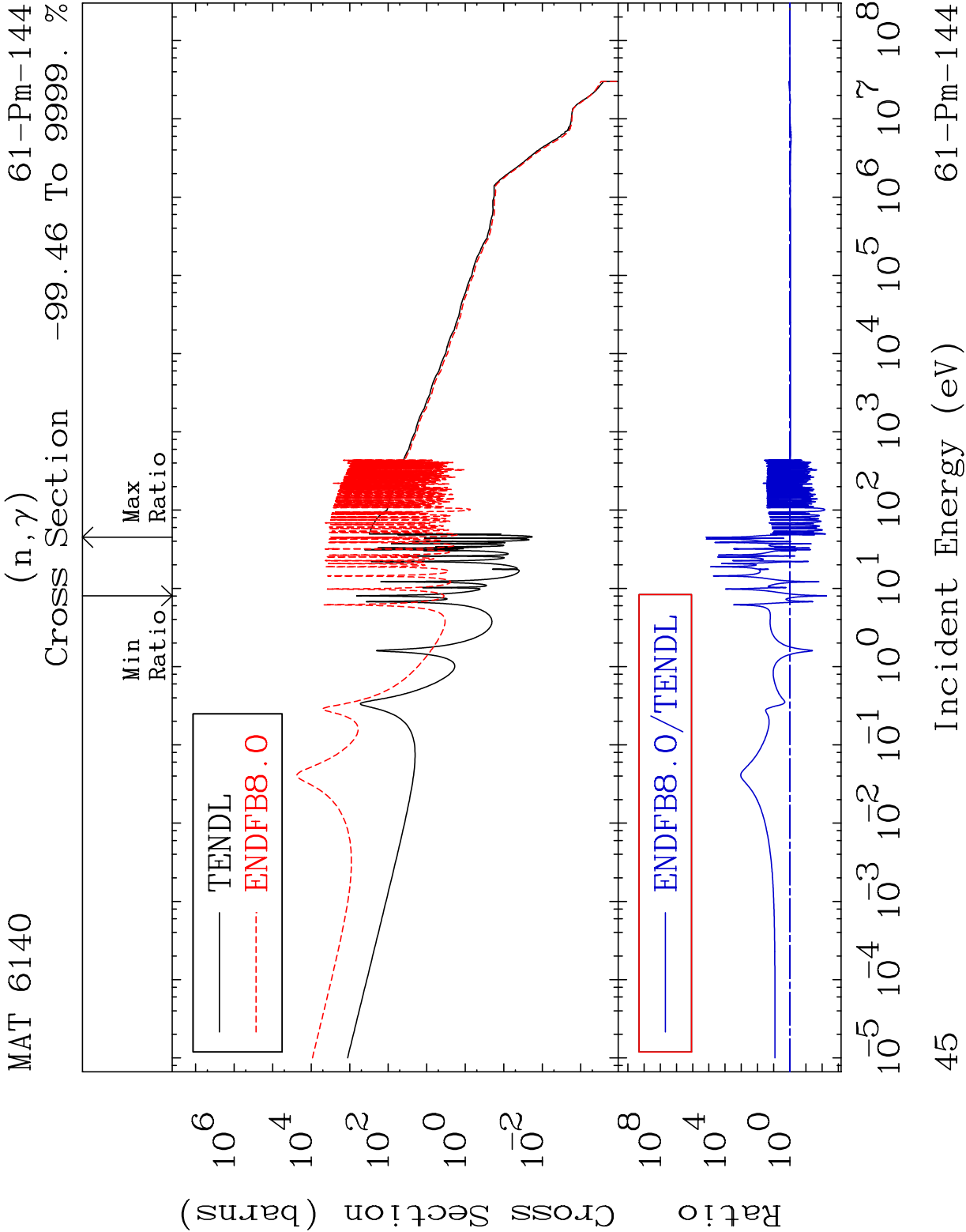


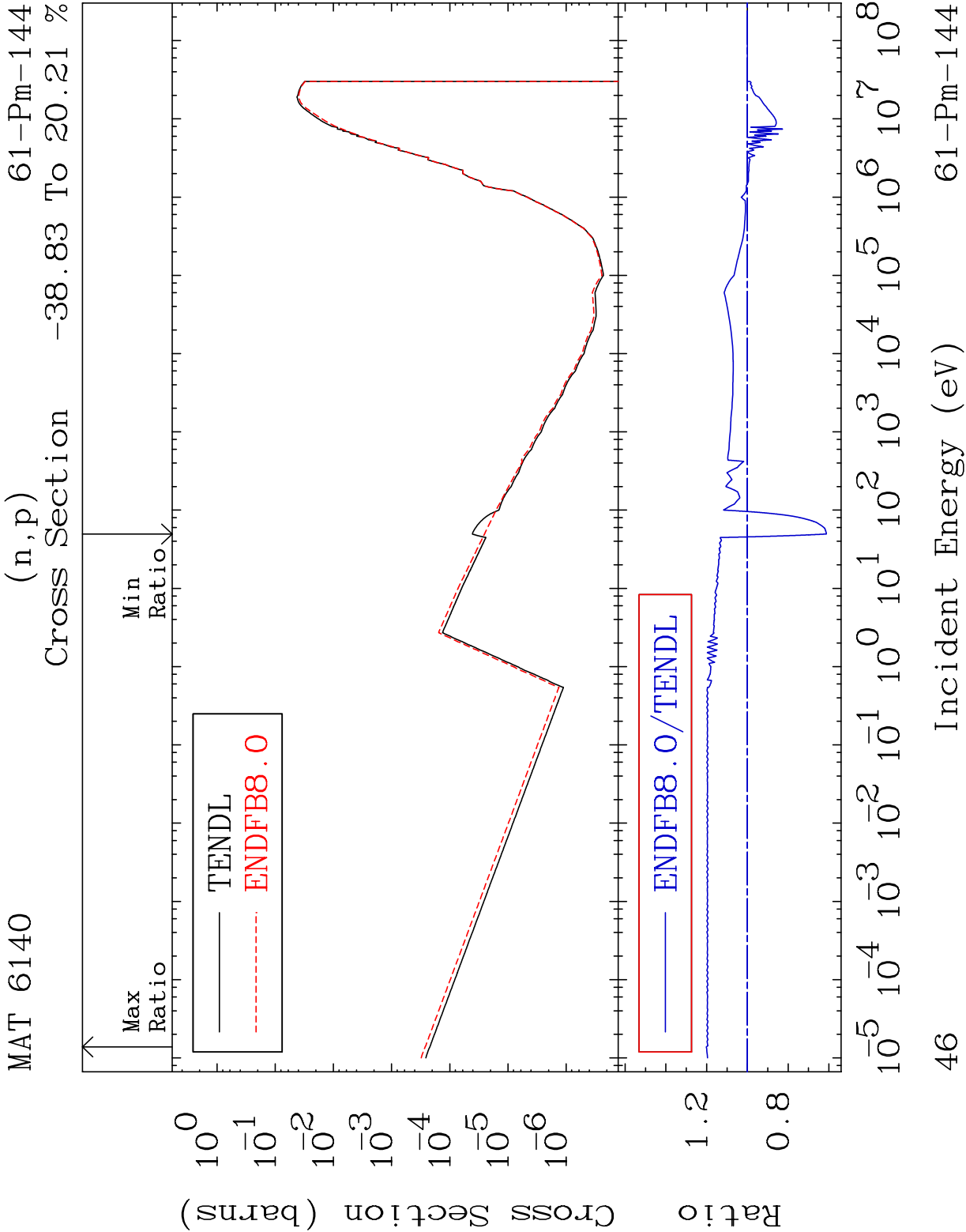


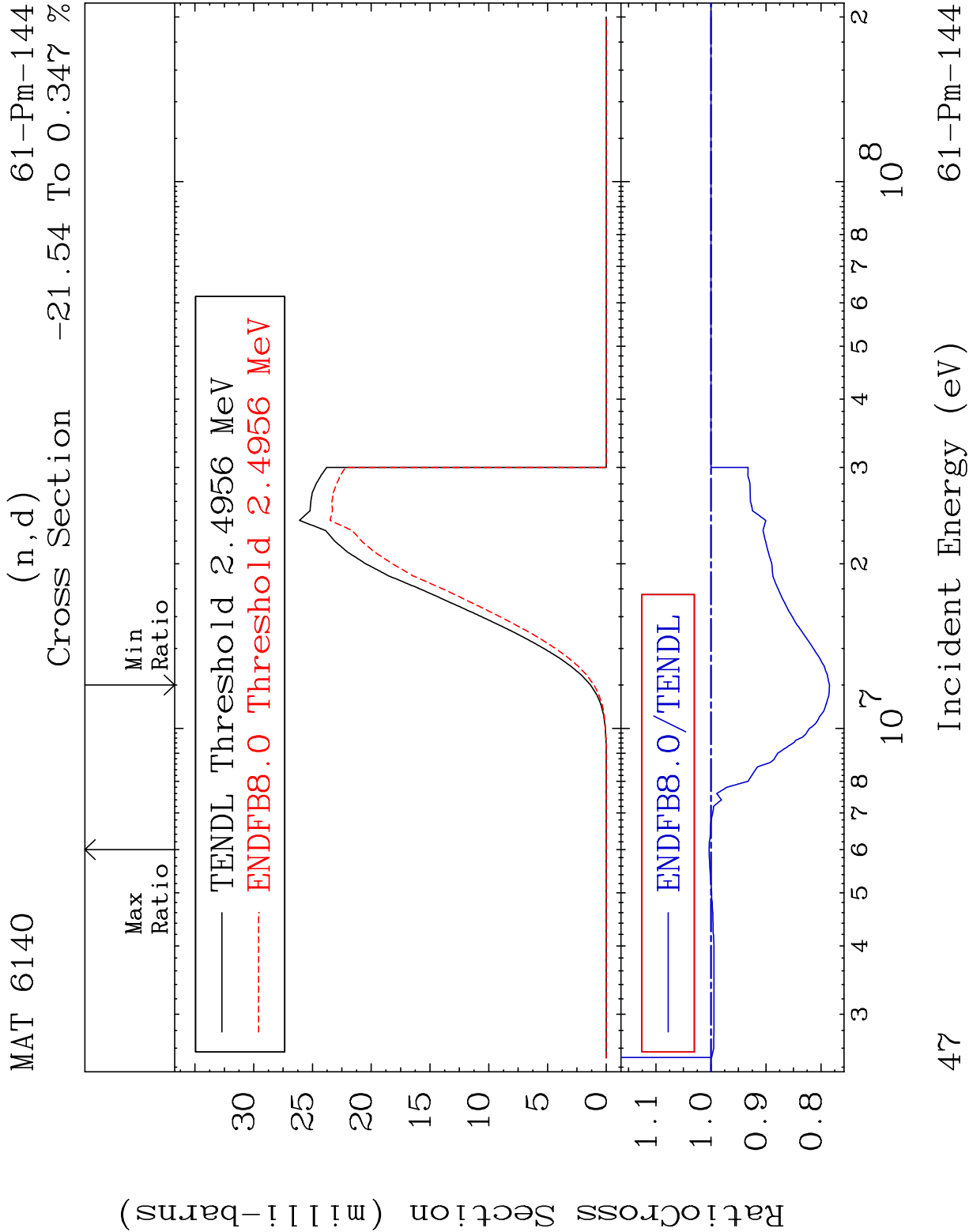
Cross Section



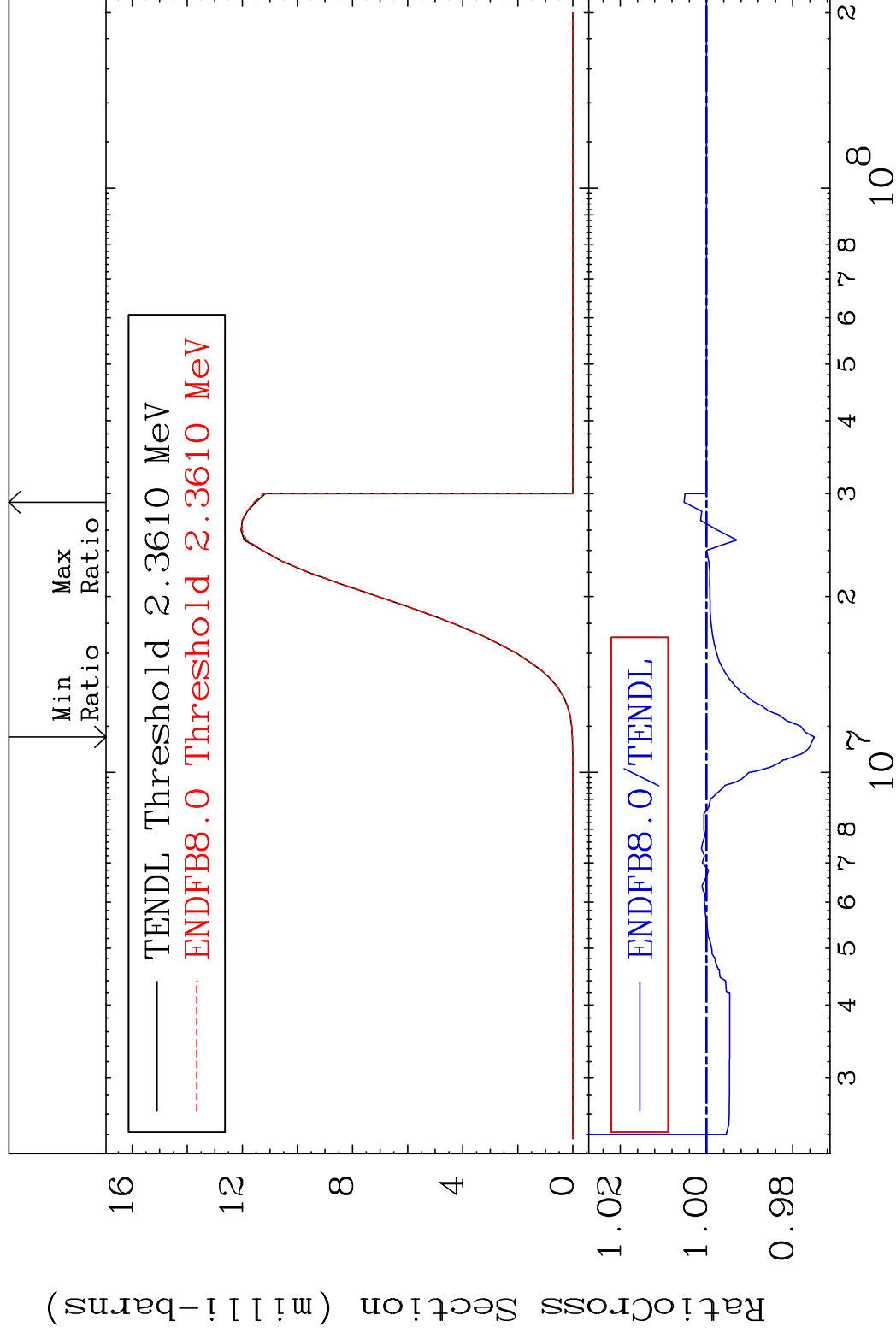


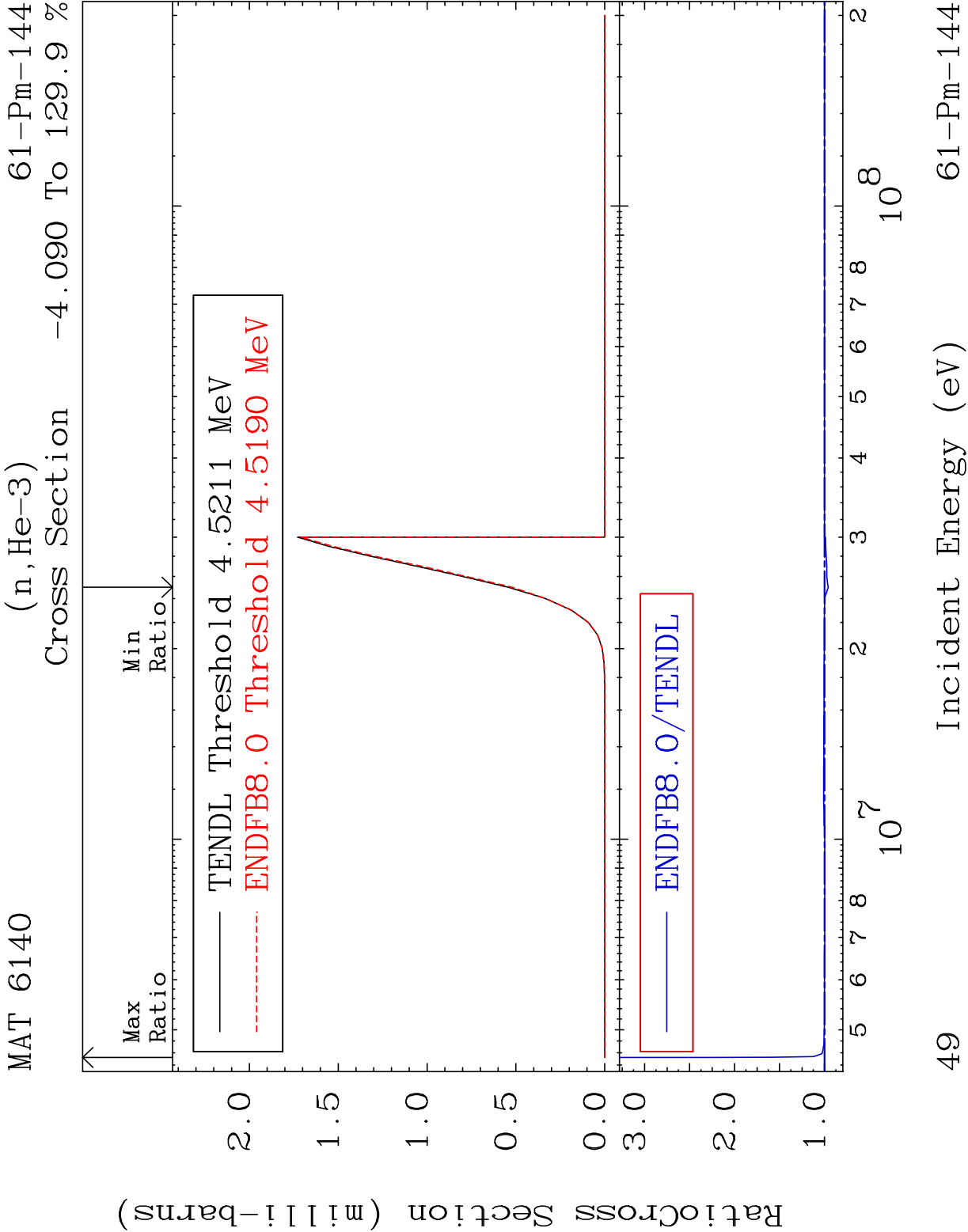


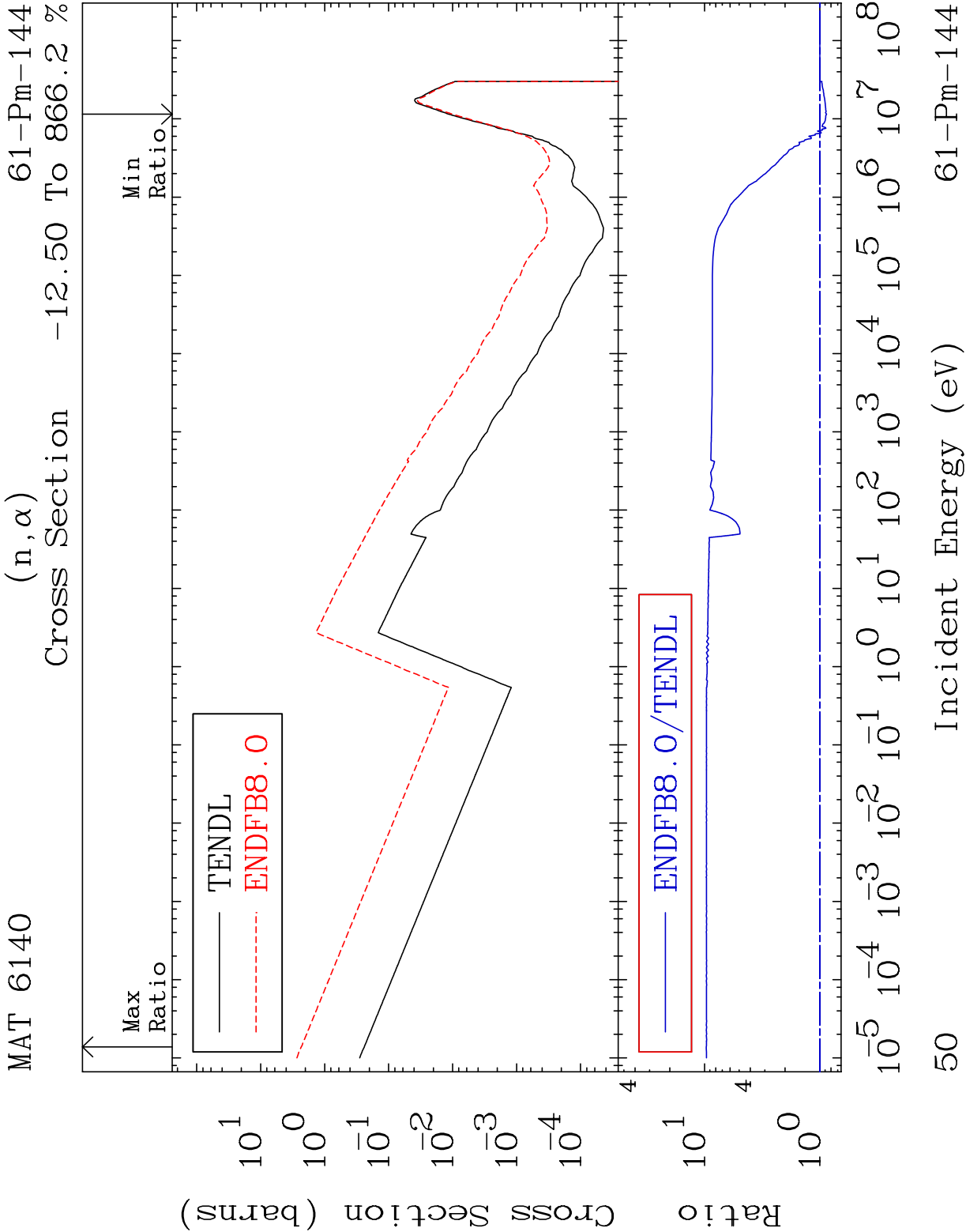


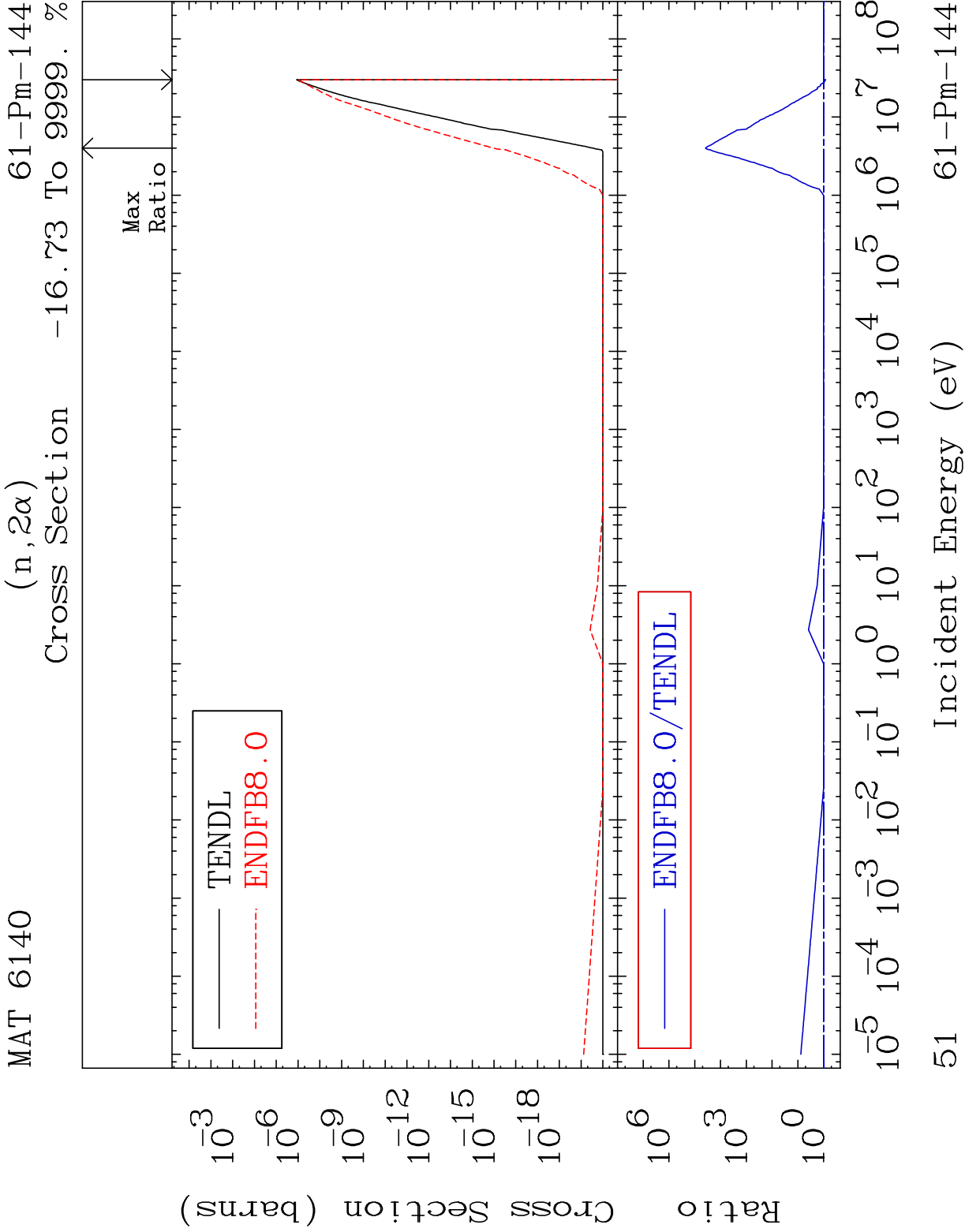


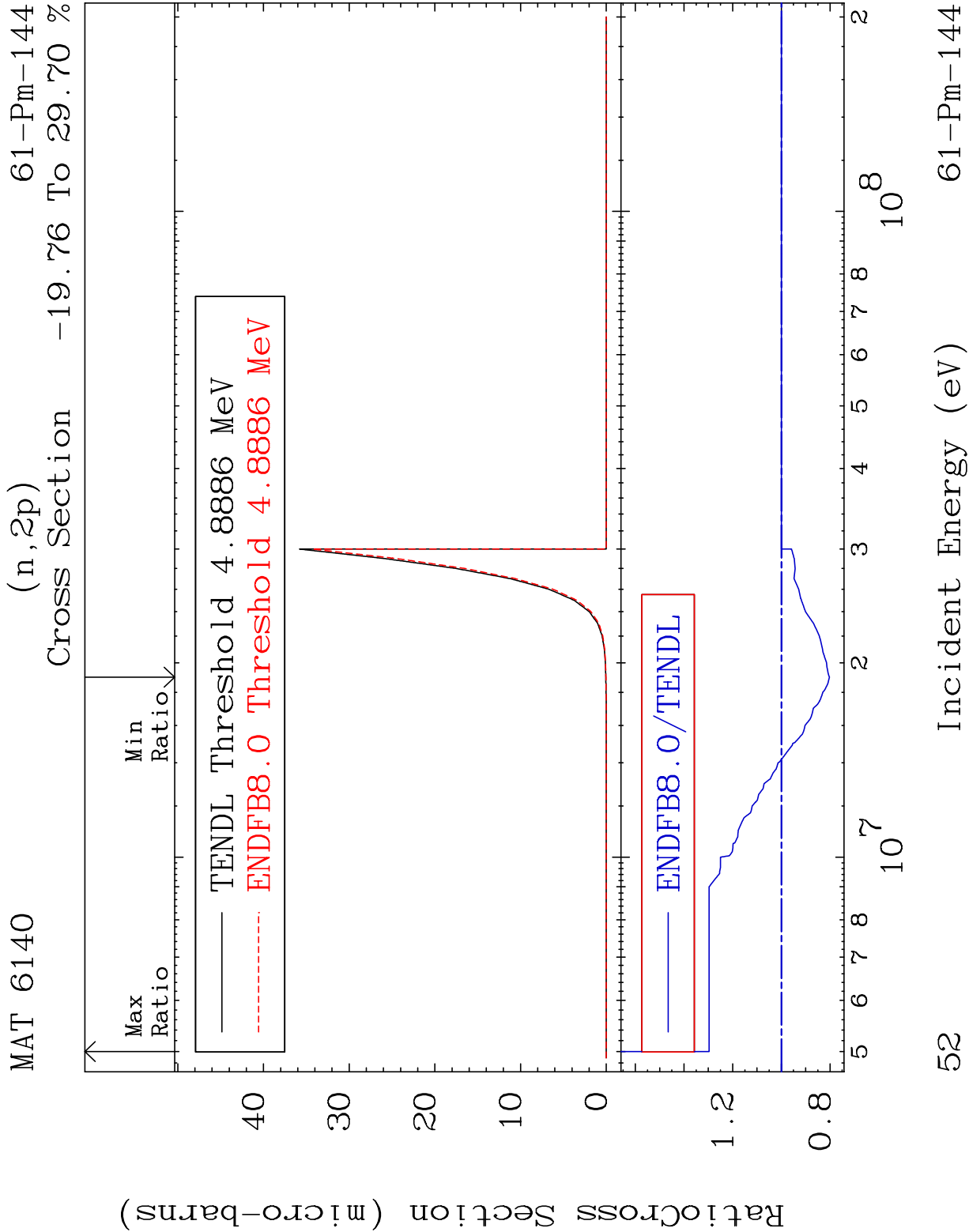
Cross Section -2.499 To 0.521 %

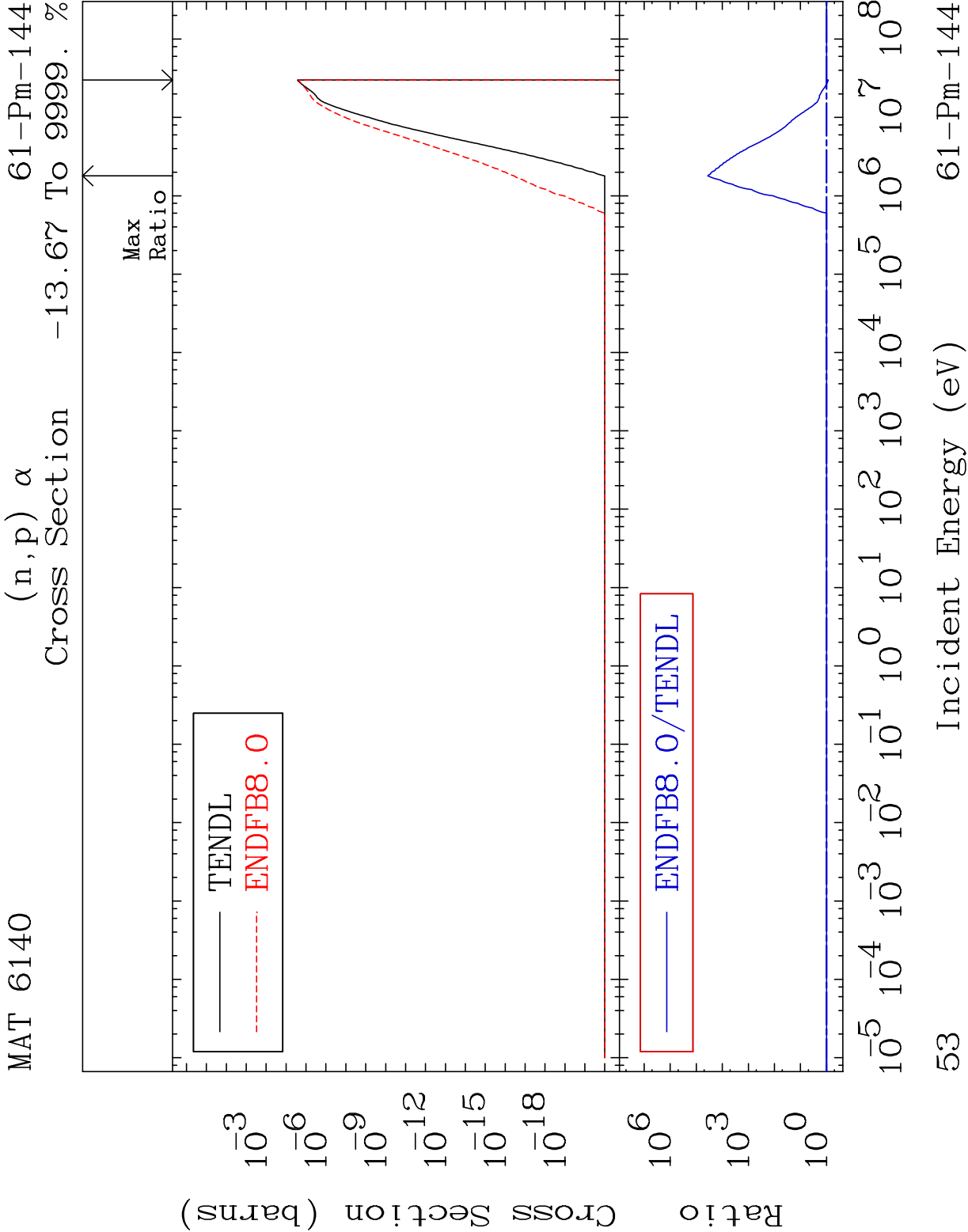


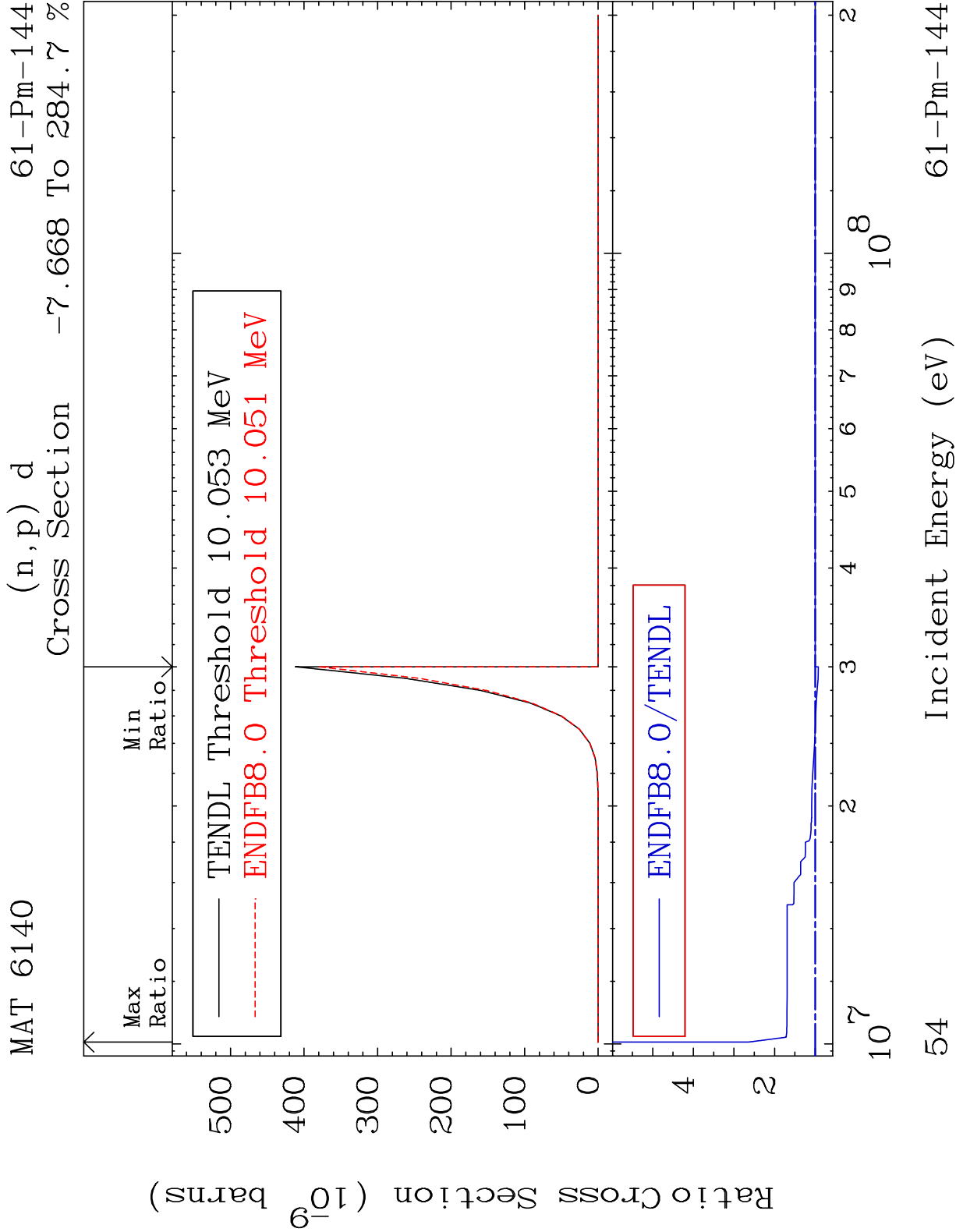


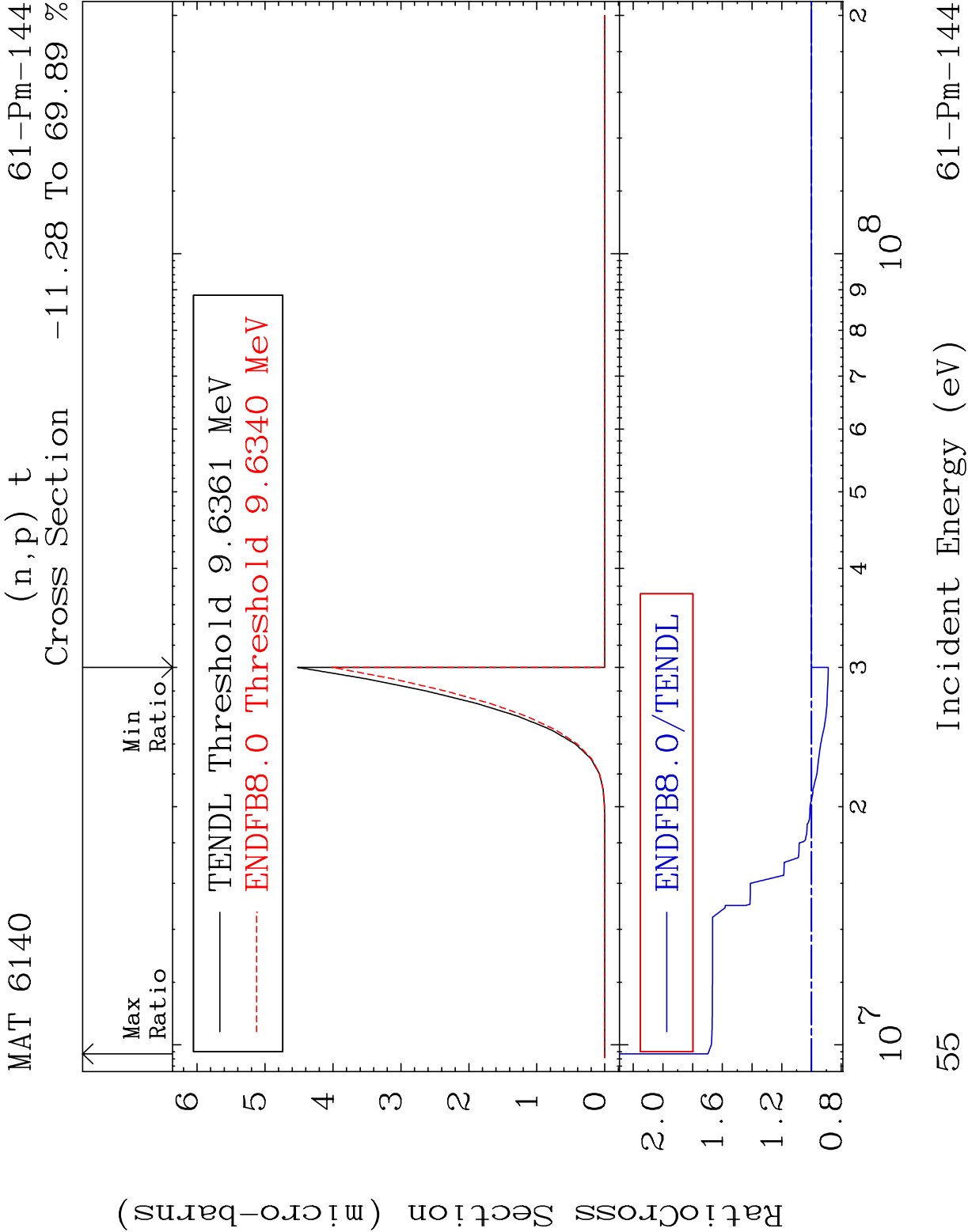


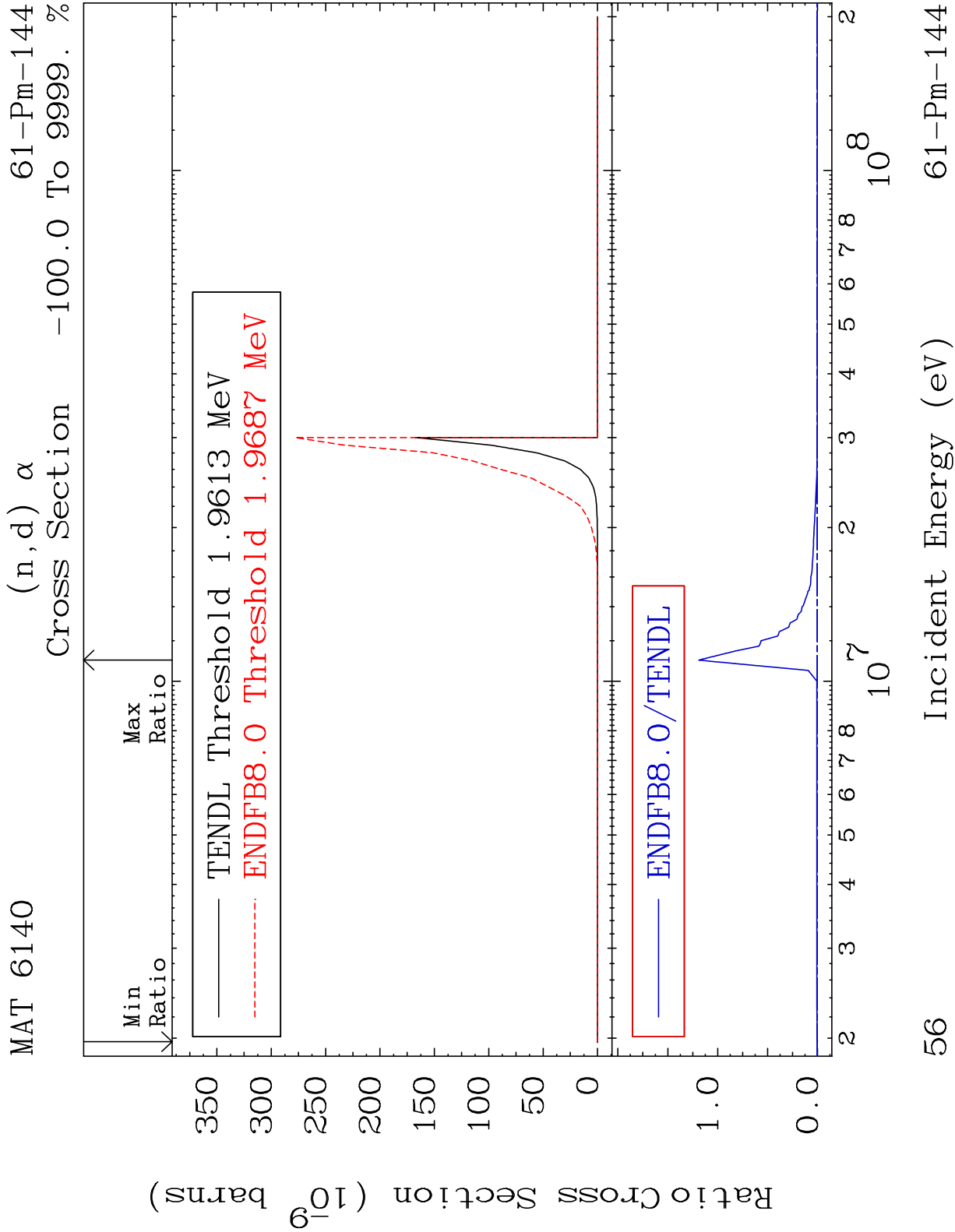




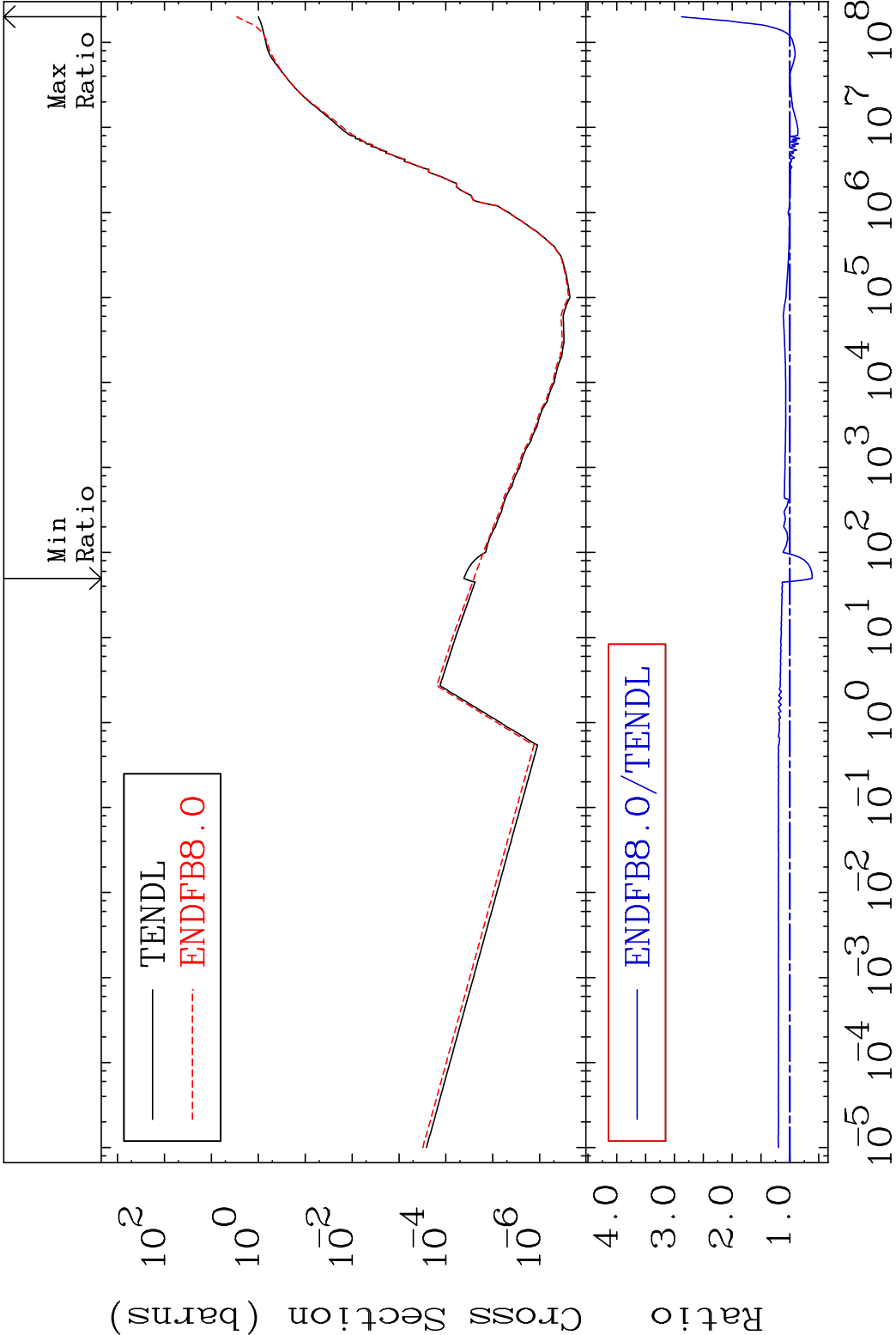


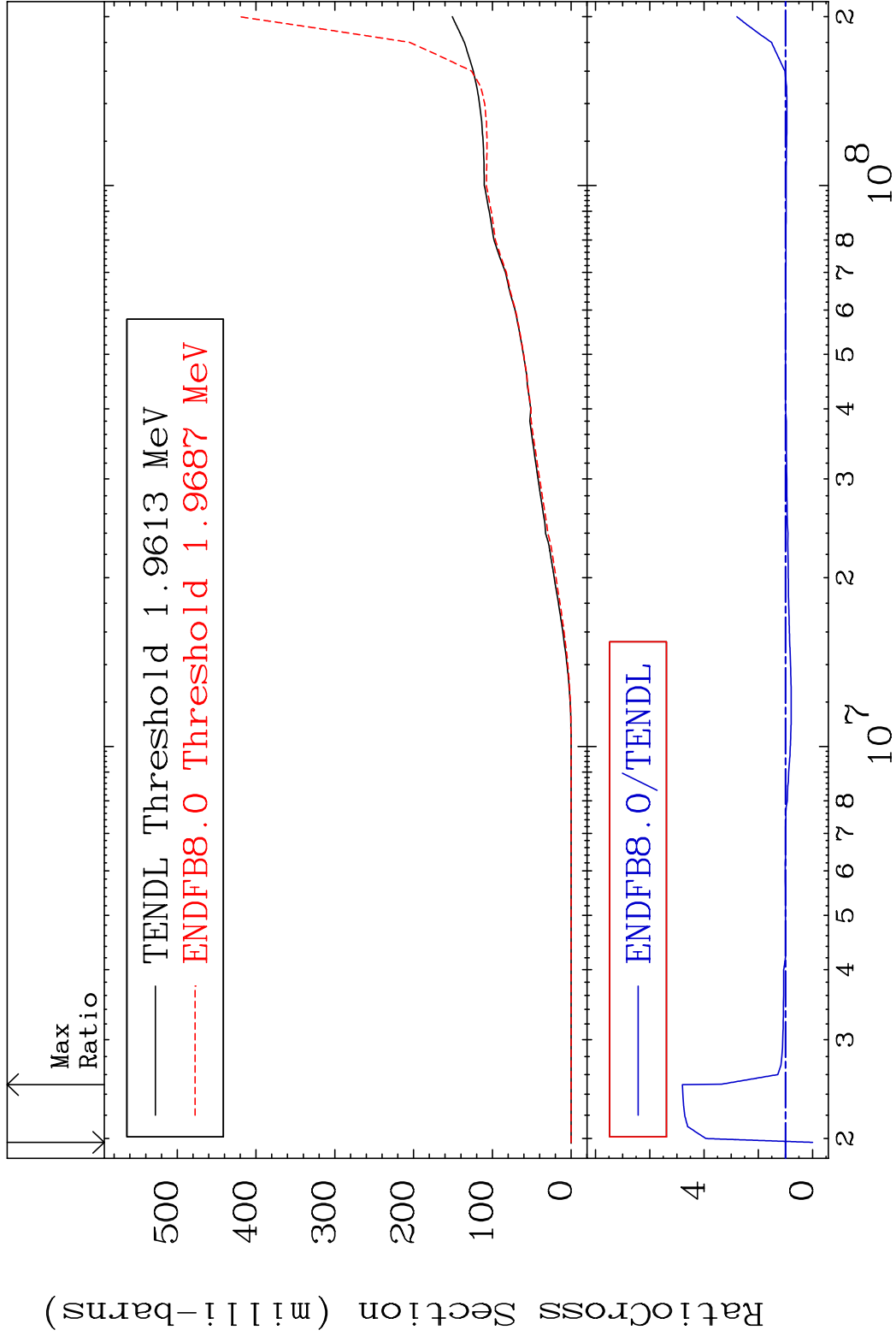


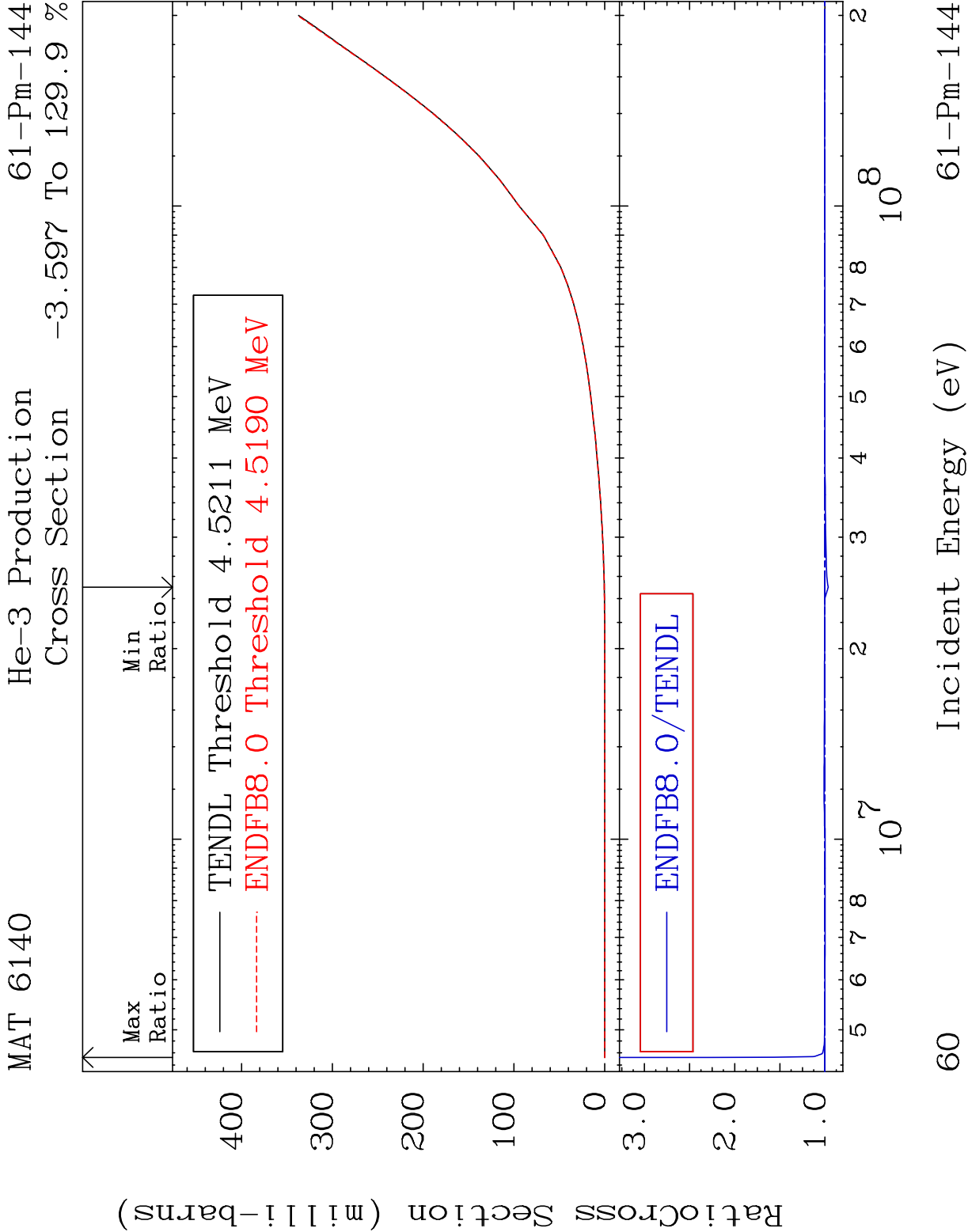


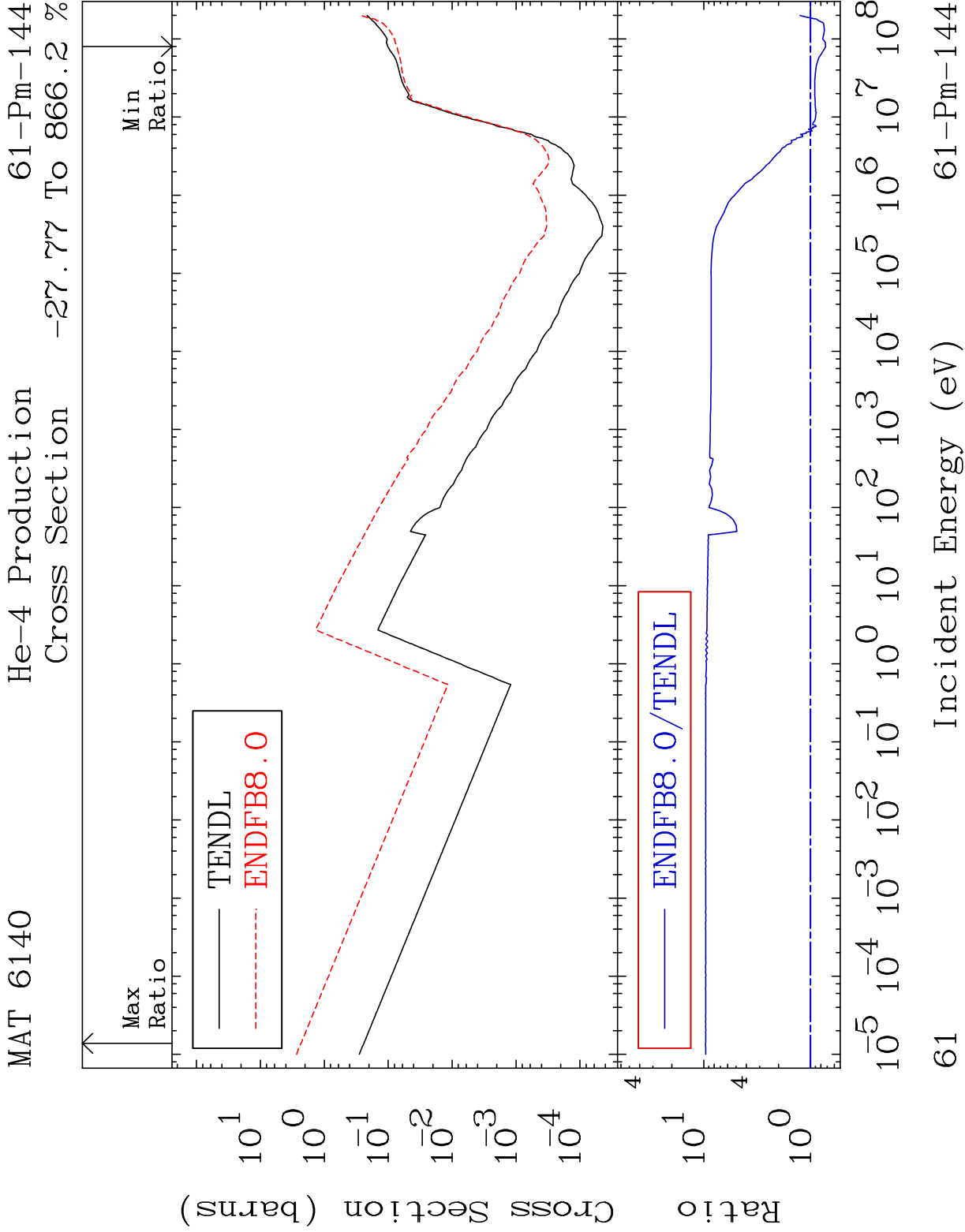


MAT 6140 Hydrogen Production 61-Pm-144
Cross Section -38.83 To 187.7 %









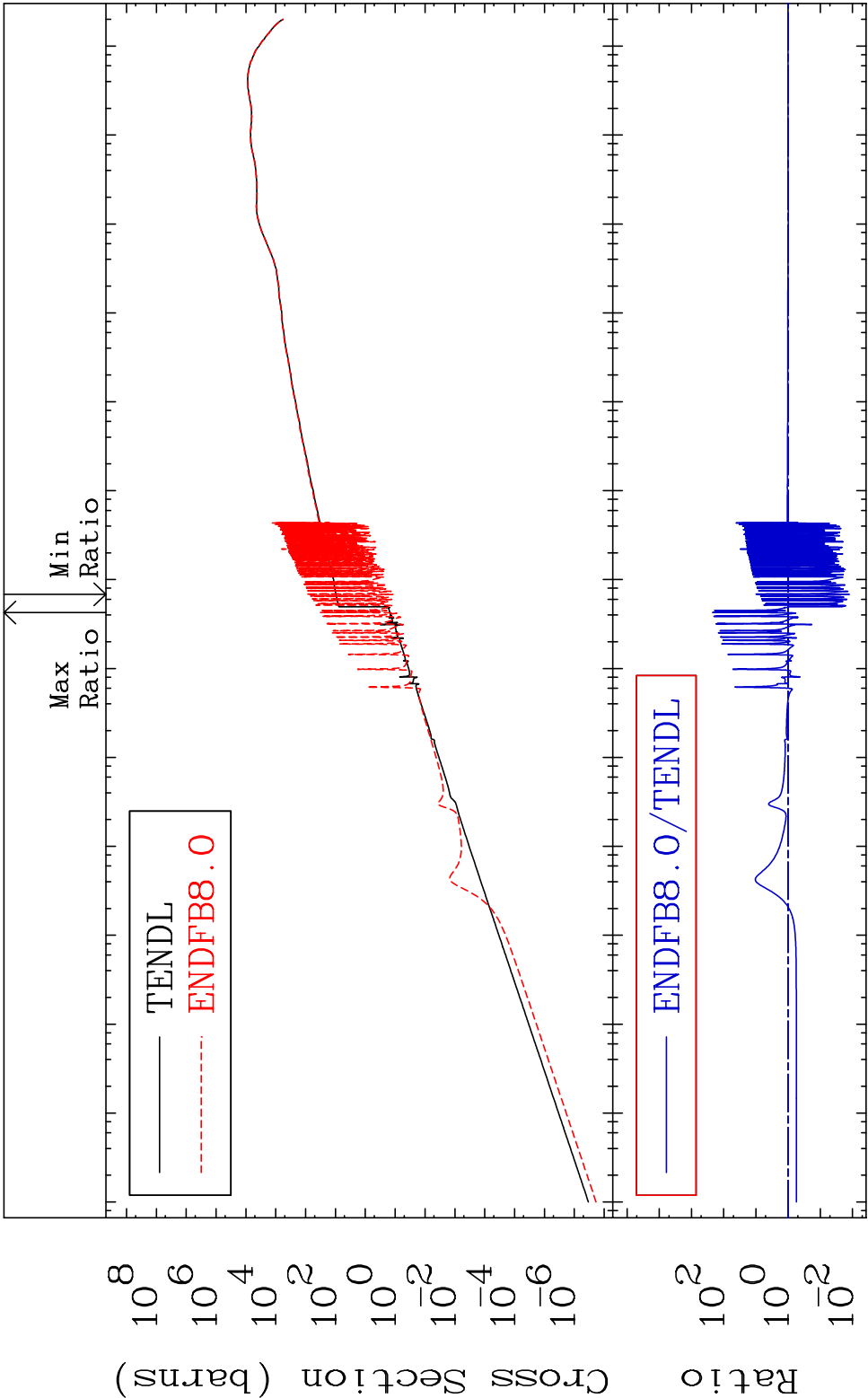
MAT 6140

Kerma elastic

Cross Section

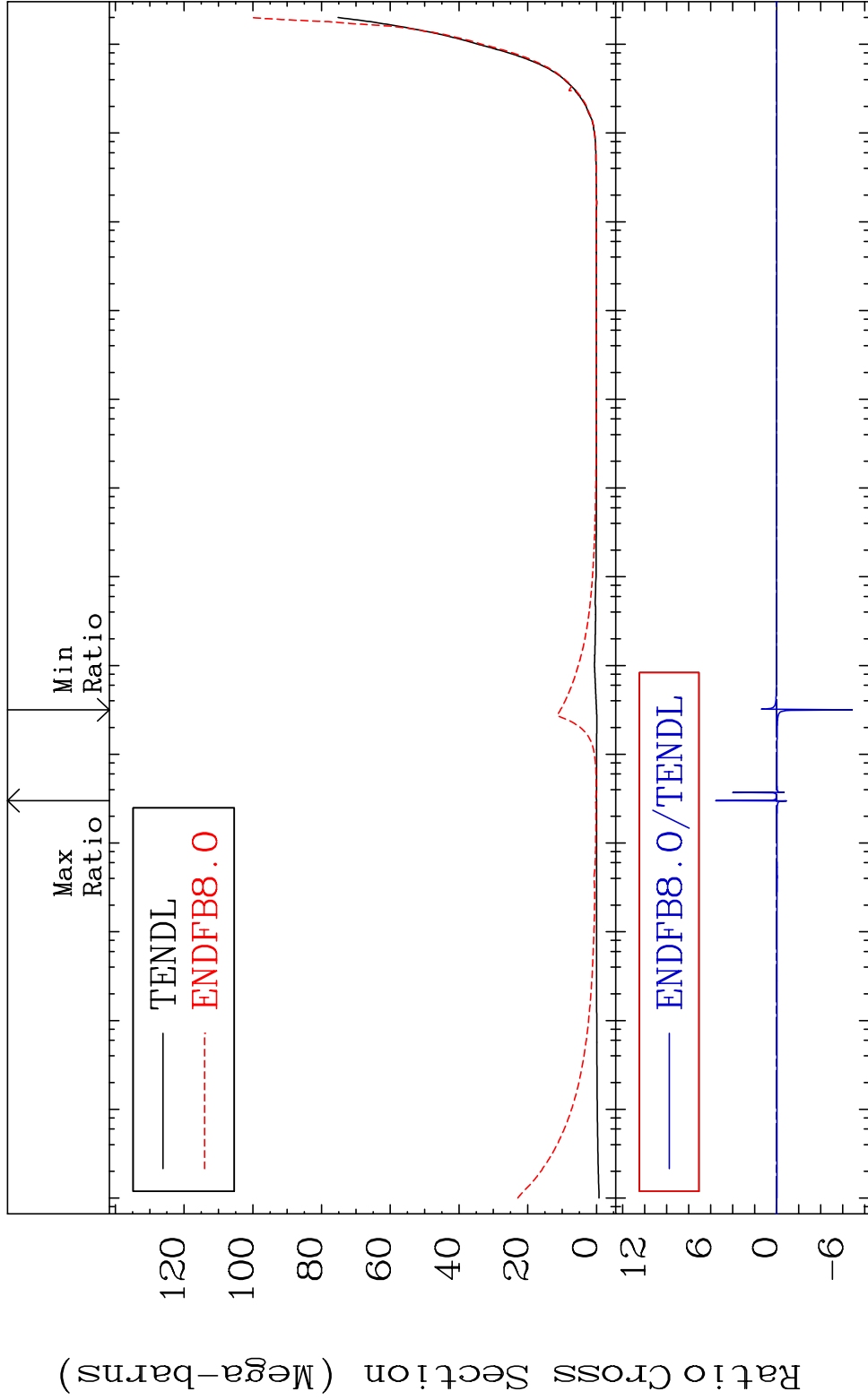
-98.77 To 9999. %

61-Pm-144



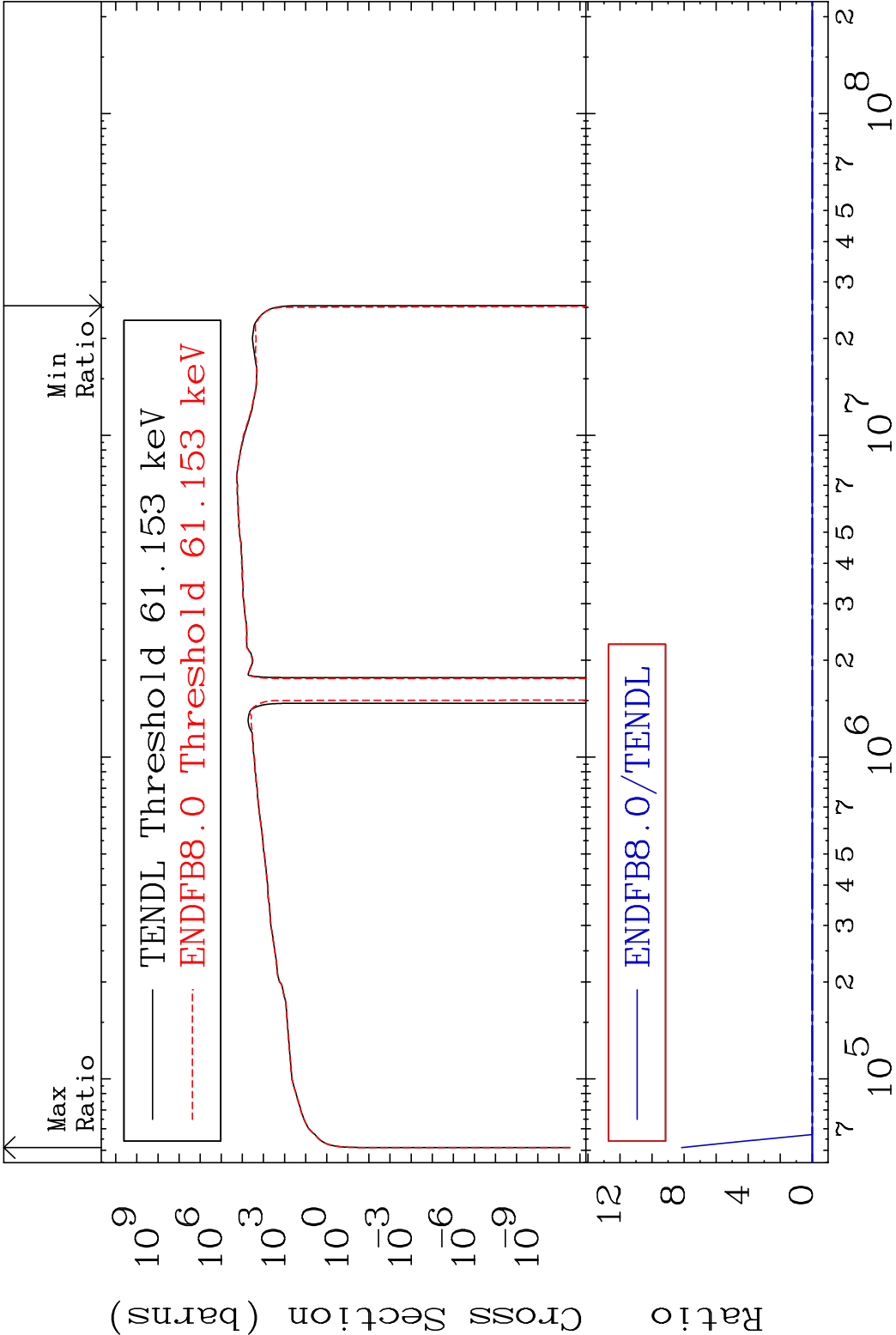
MAT 6140 Kerma non-elastic (all but mt2) 61-Pm-144

Cross Section -9999. To 9999. %

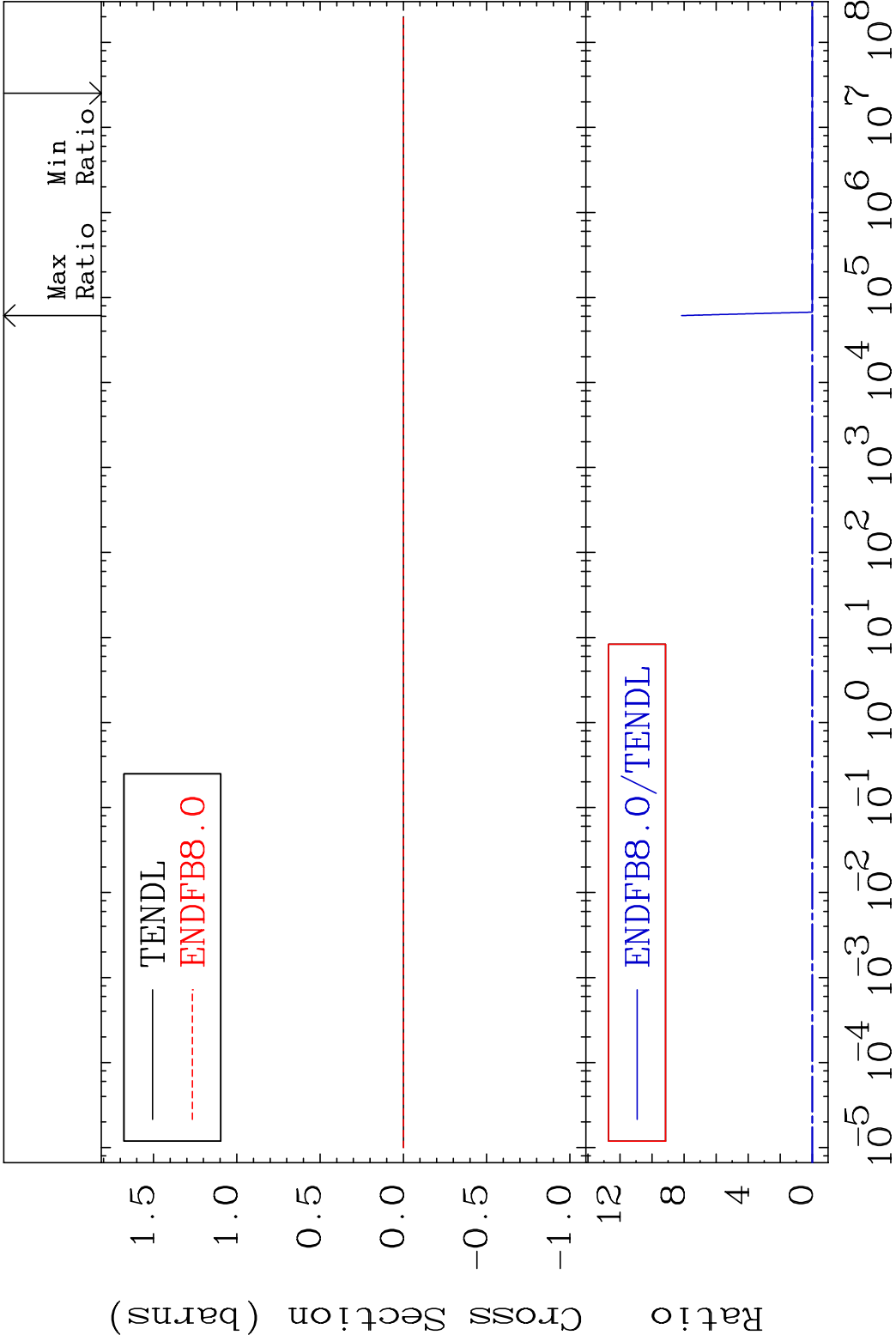


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

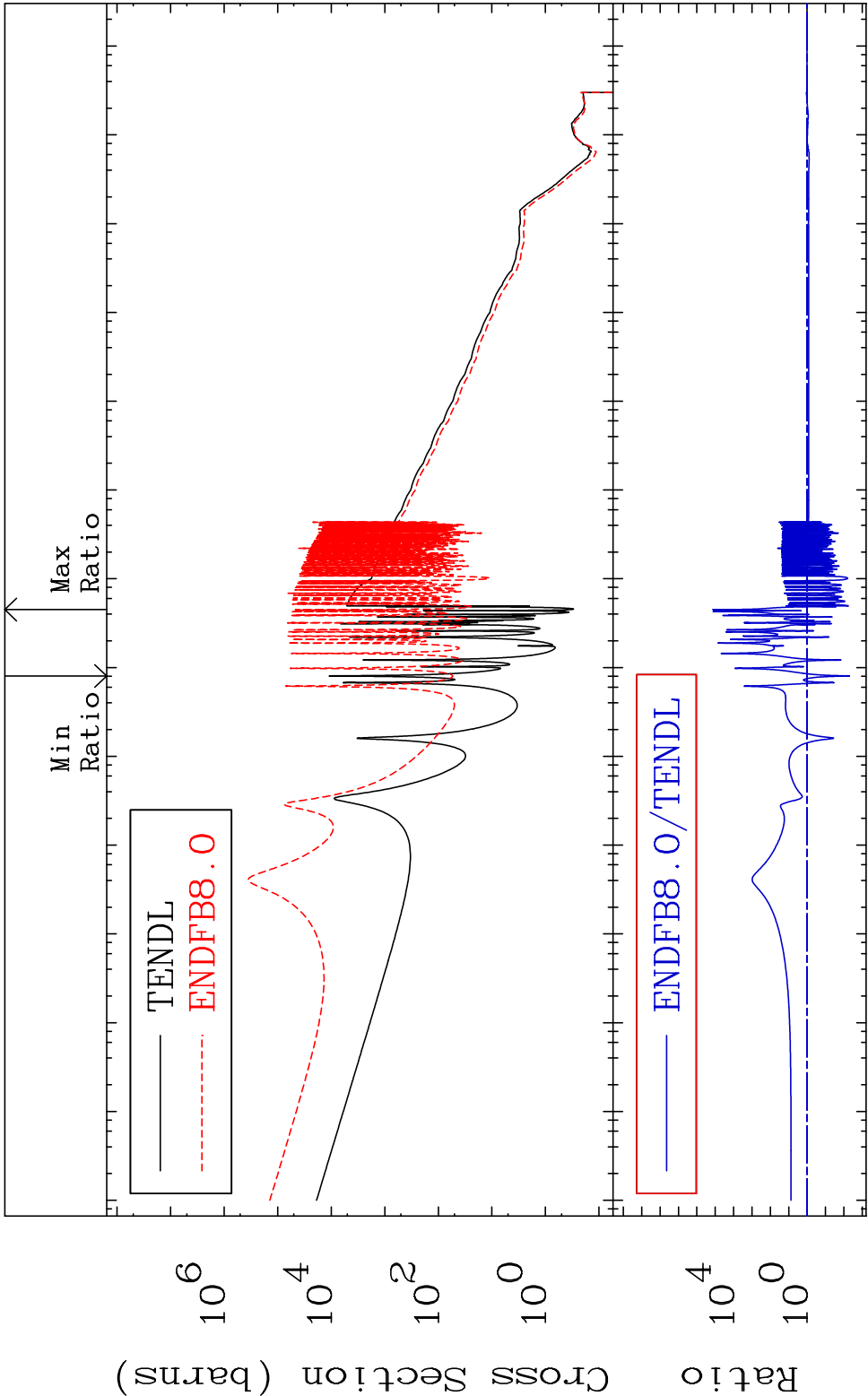
64 Incident Energy (eV) 61-Pm-144



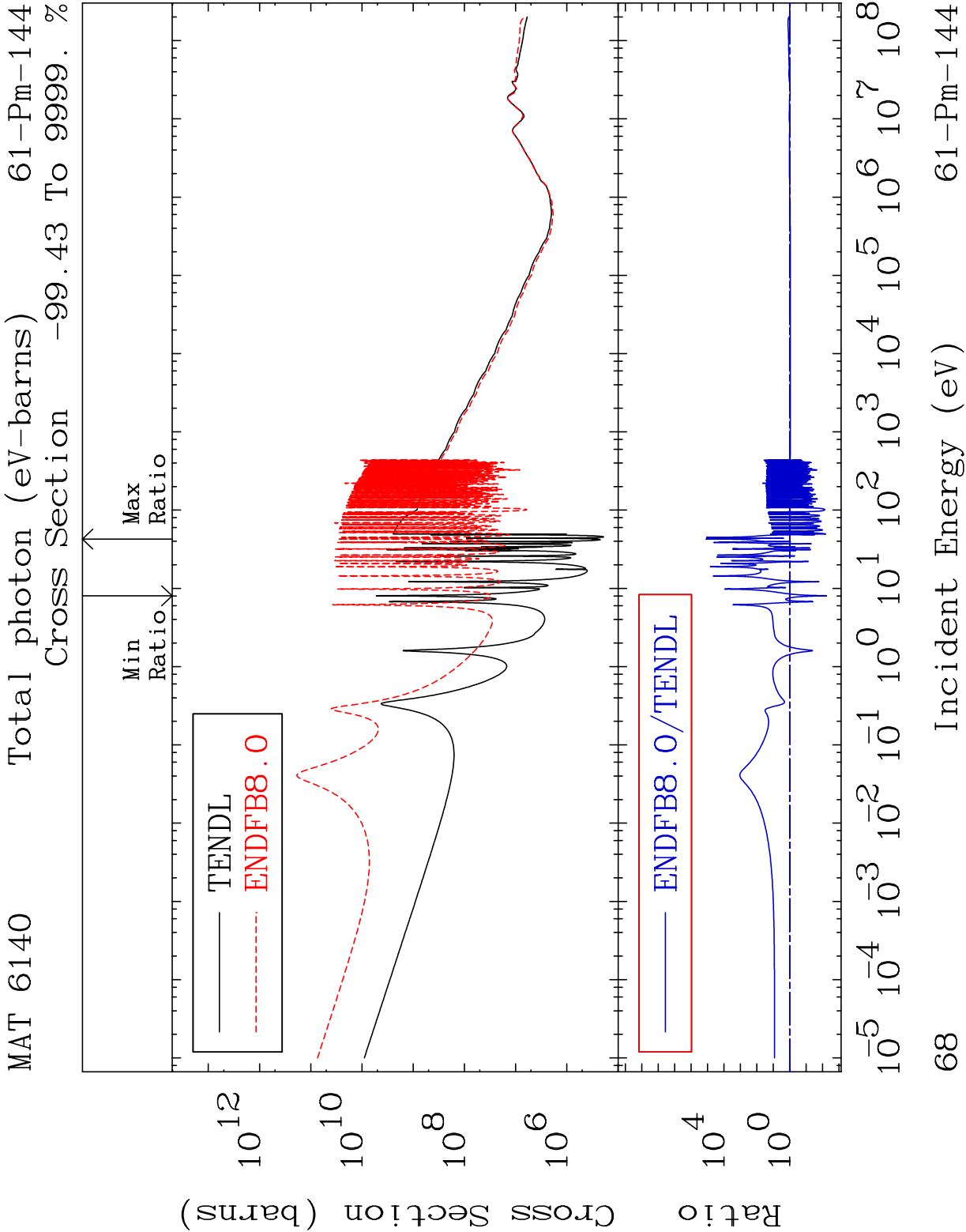
MAT 6140 Kerma fission (mt18 or mt19-20-21-38) 61-Pm-144
Cross Section -335.1 To 9999. %



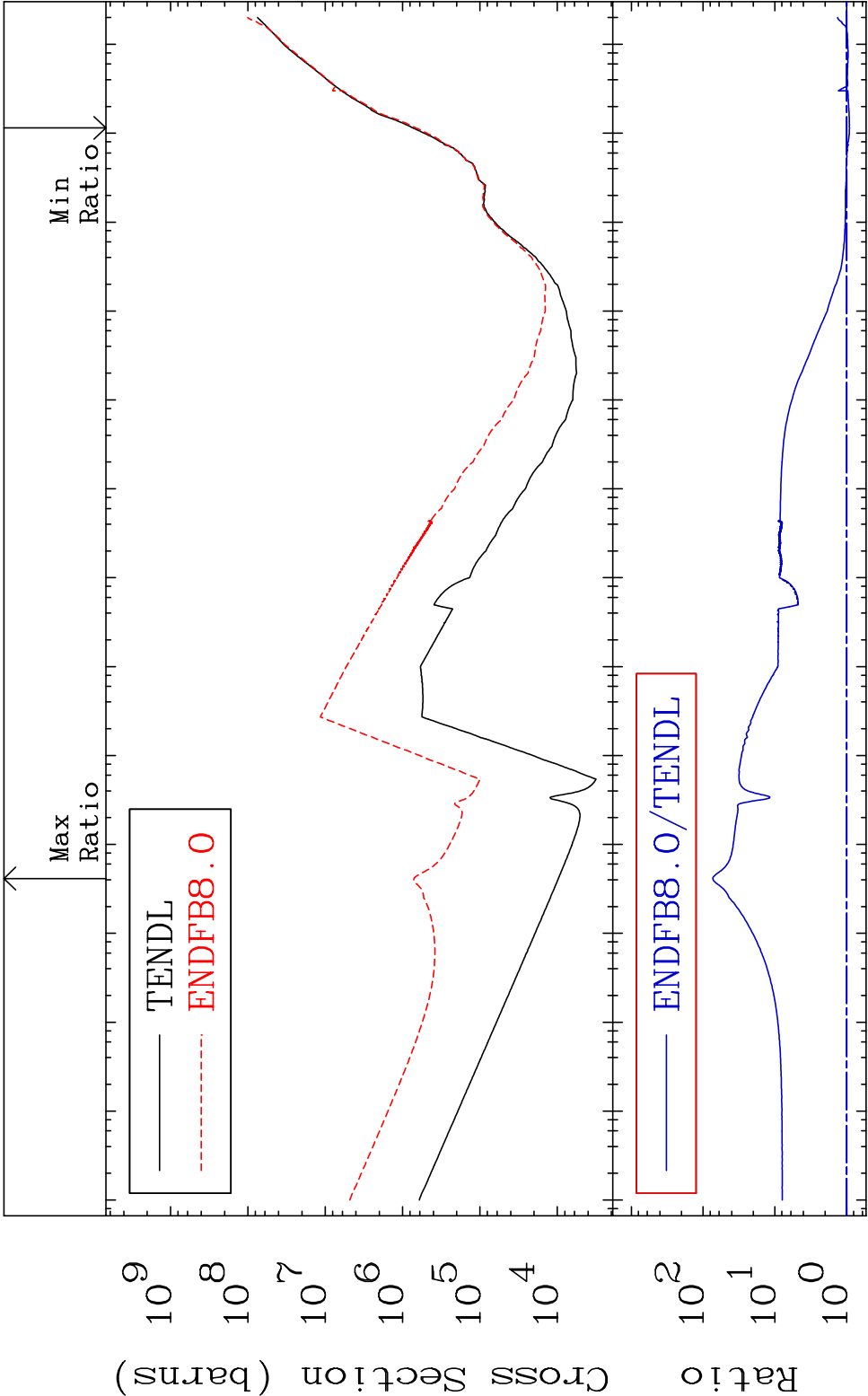
MAT 6140 Kerma capture (mt102) 61-Pm-144
Cross Section -99.51 To 9999. %



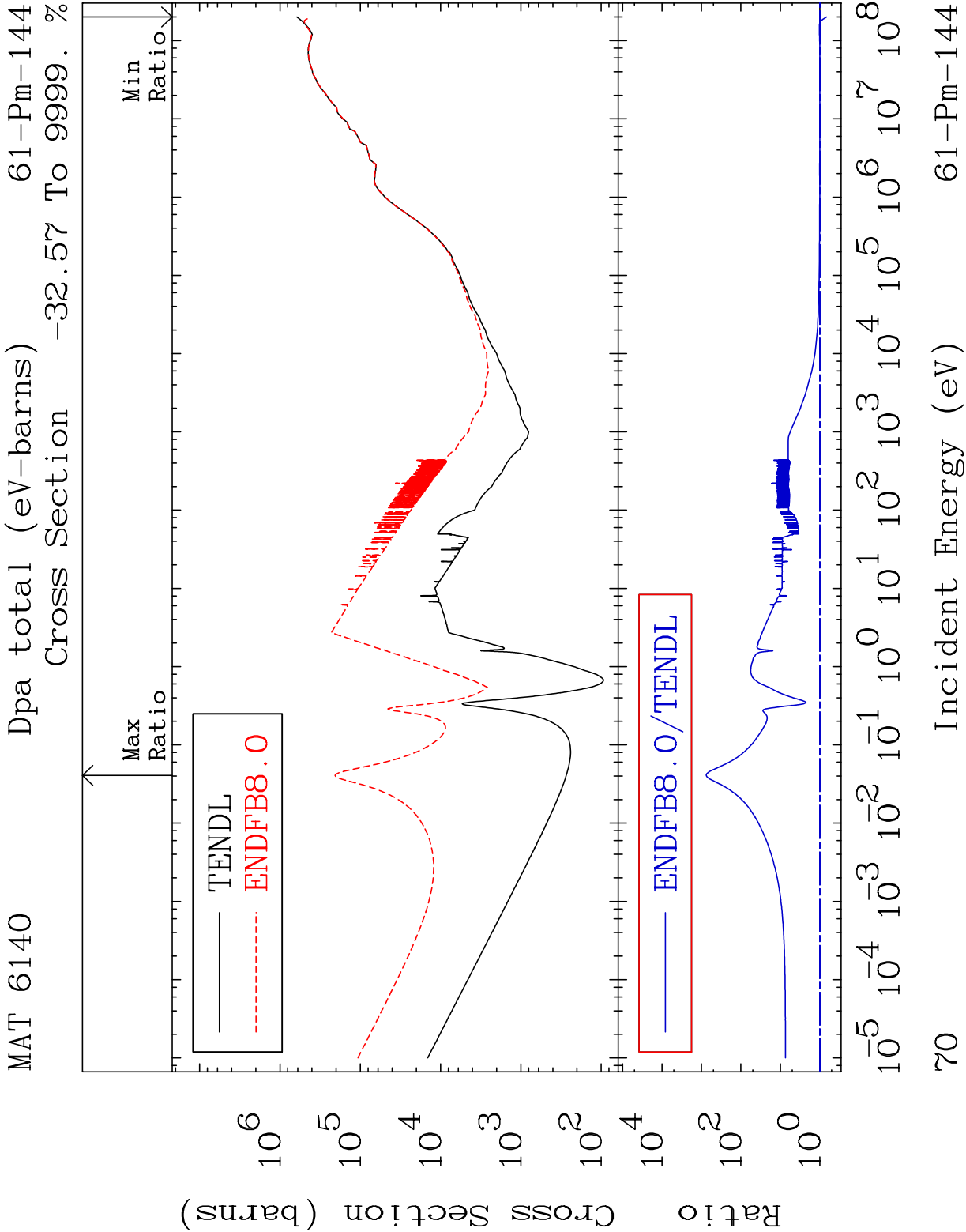
67 Incident Energy (eV) 61-Pm-144

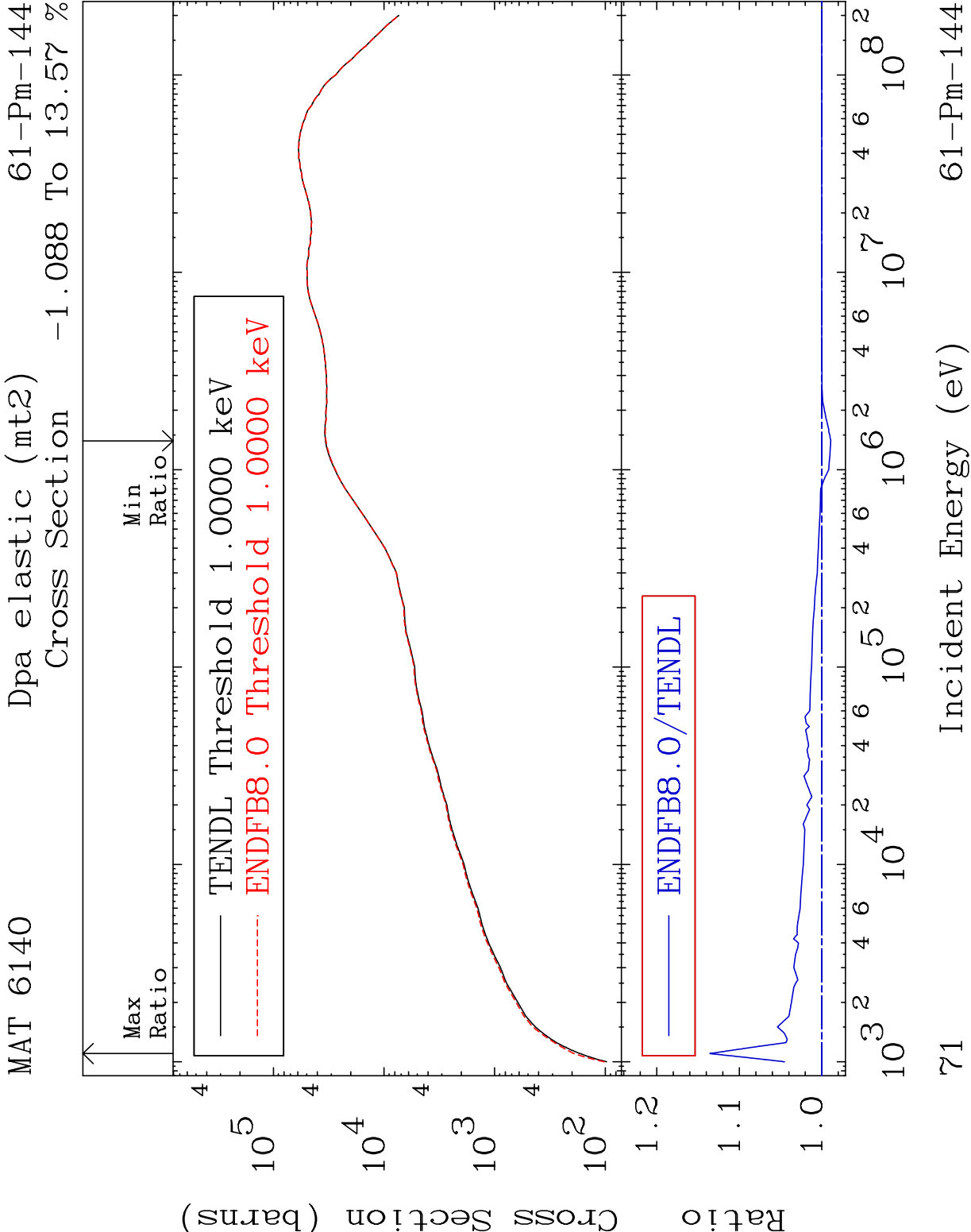


MAT 6140 Total kinematic kerma (high limit) 61-Pm-144
Cross Section -8.758 To 7233. %

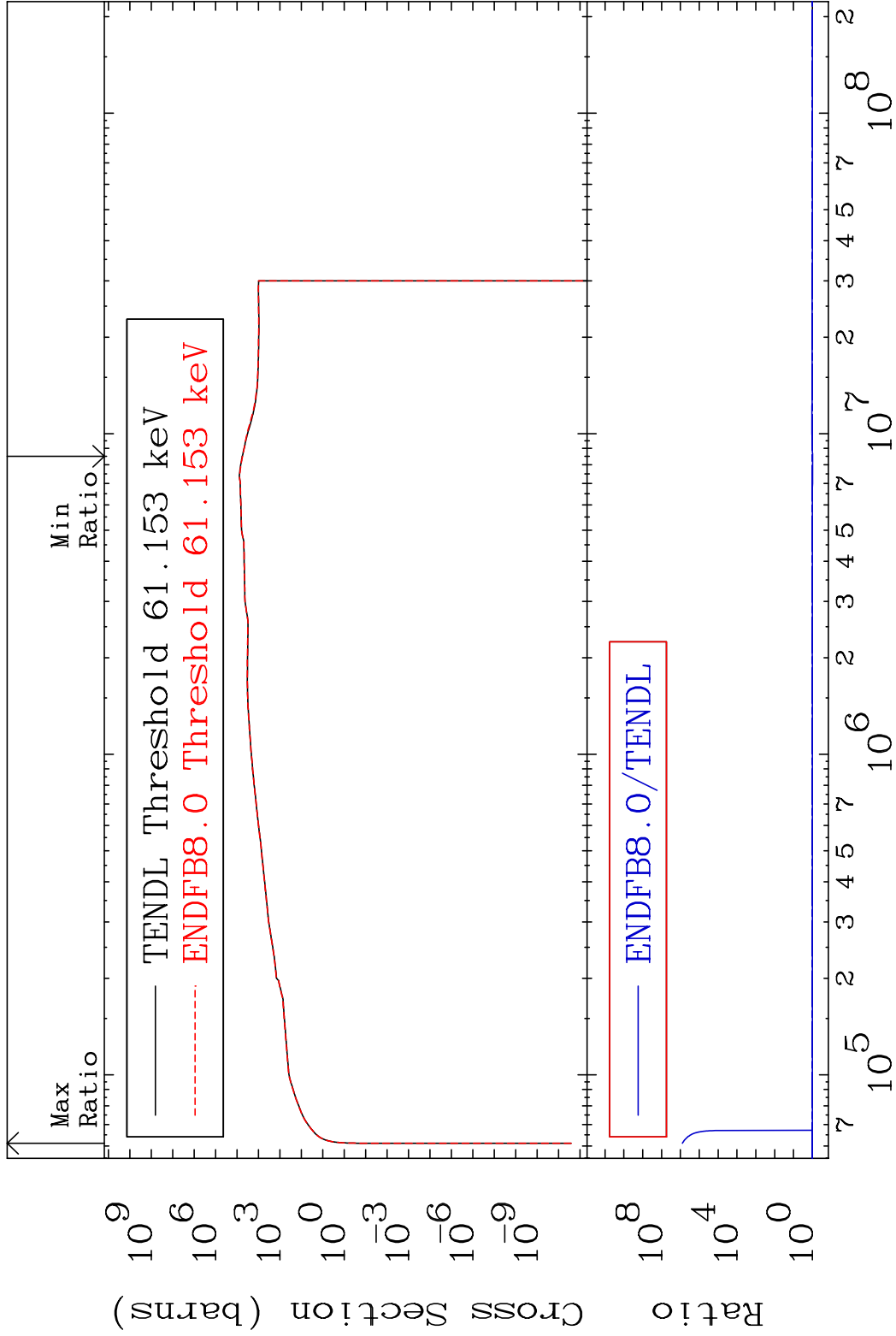


69 Incident Energy (eV) 61-Pm-144

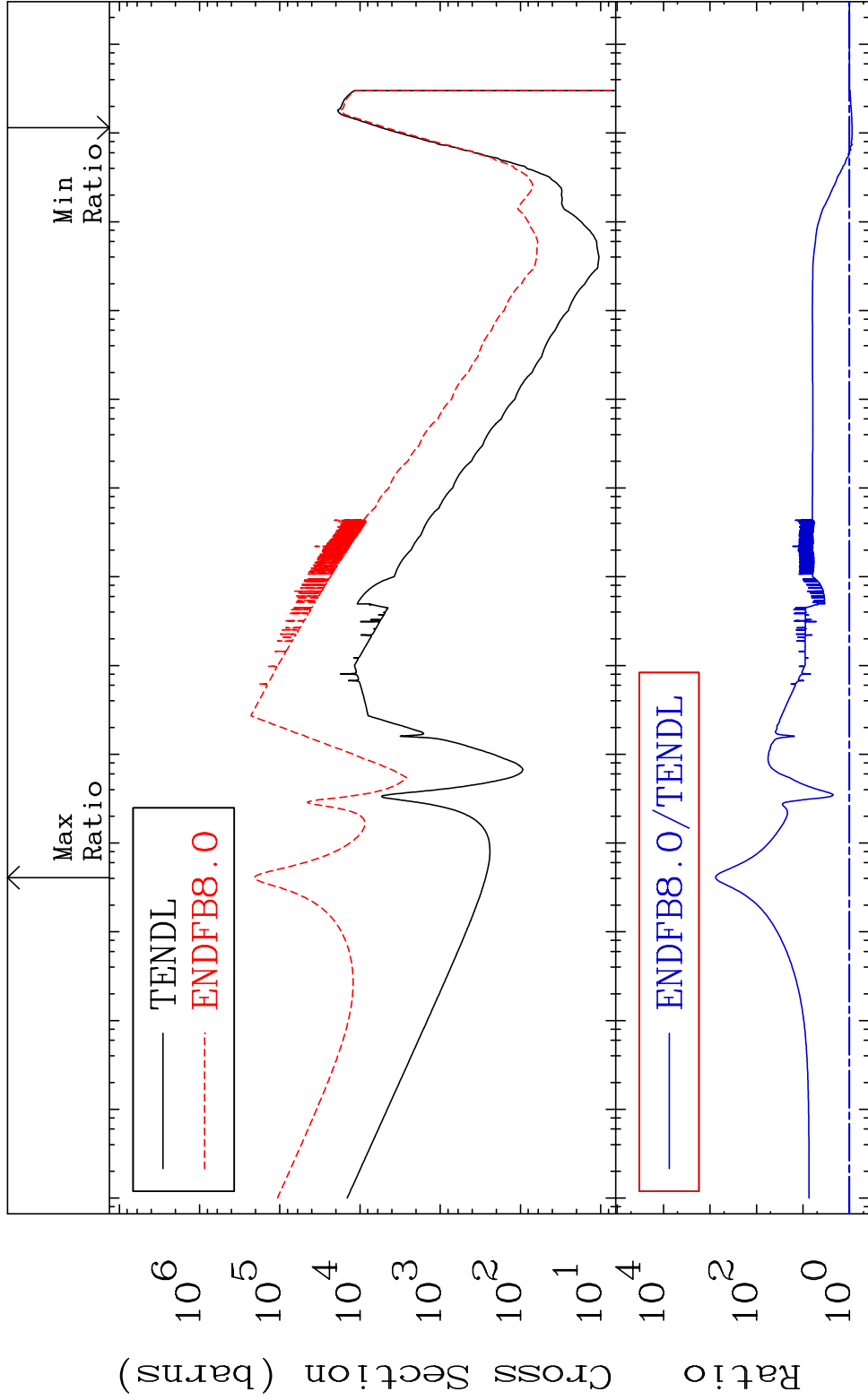




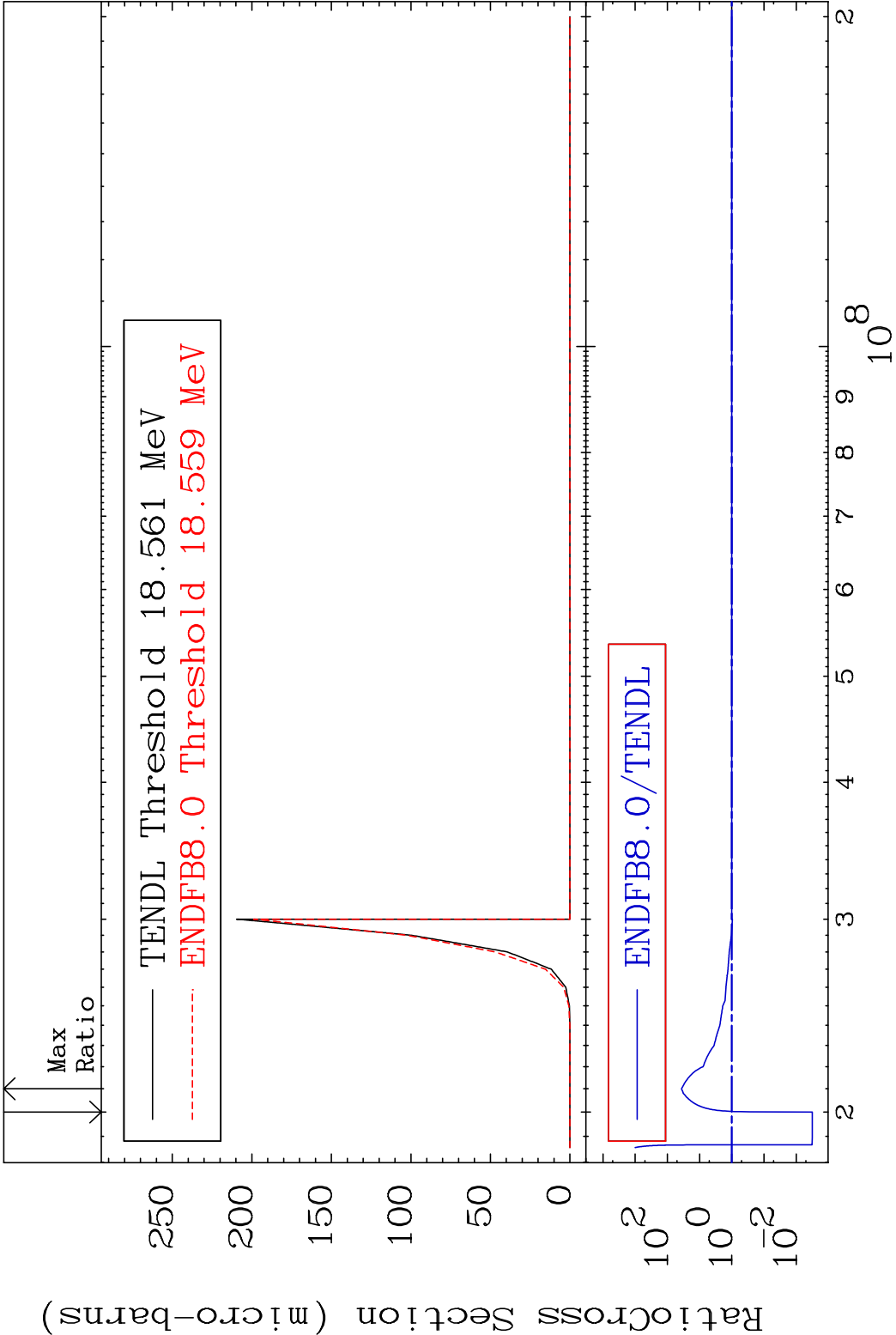
MAT 6140 Dpa inelastic (mt51-91) 61-Pm-144
Cross Section -1.853 To 9999. %

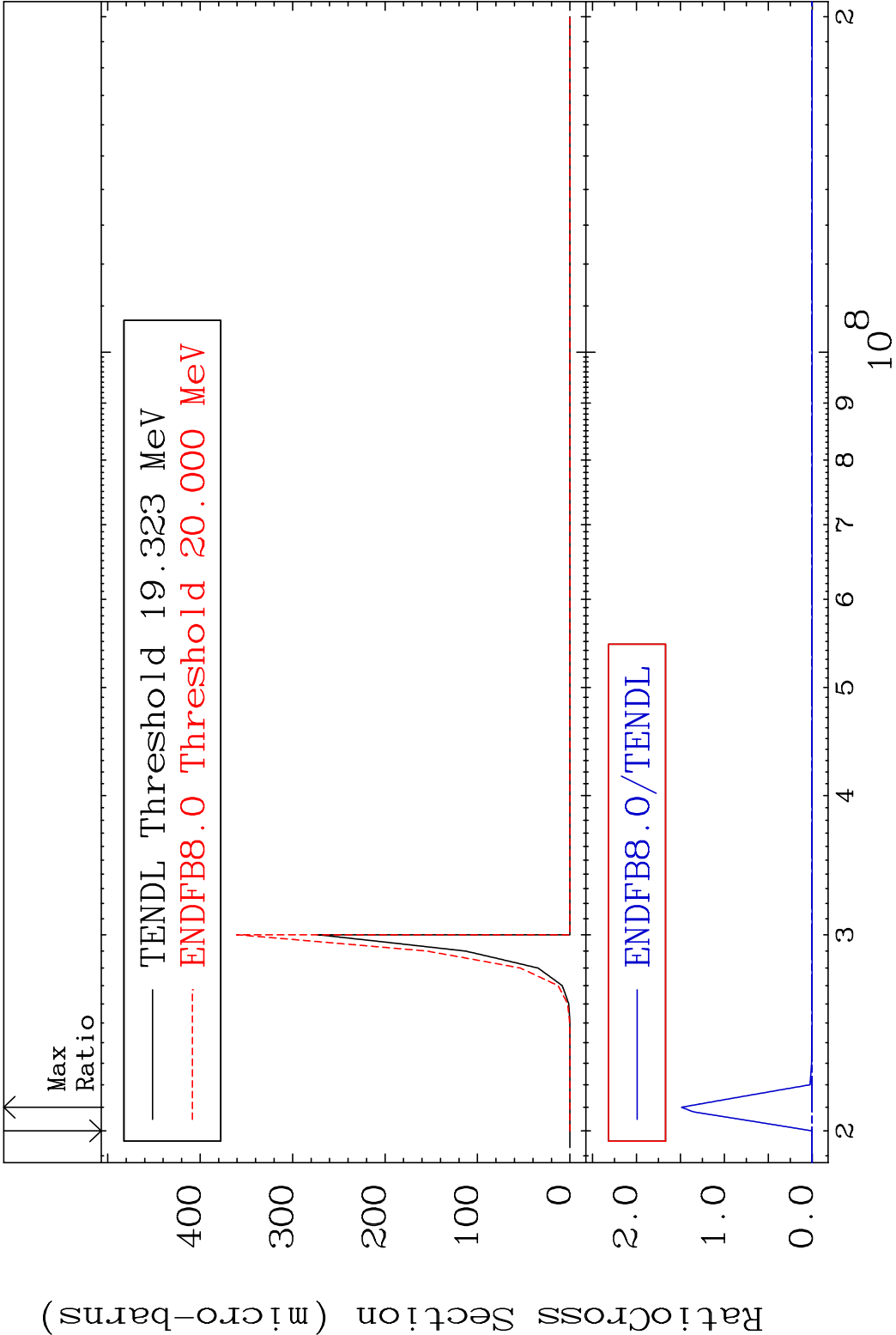


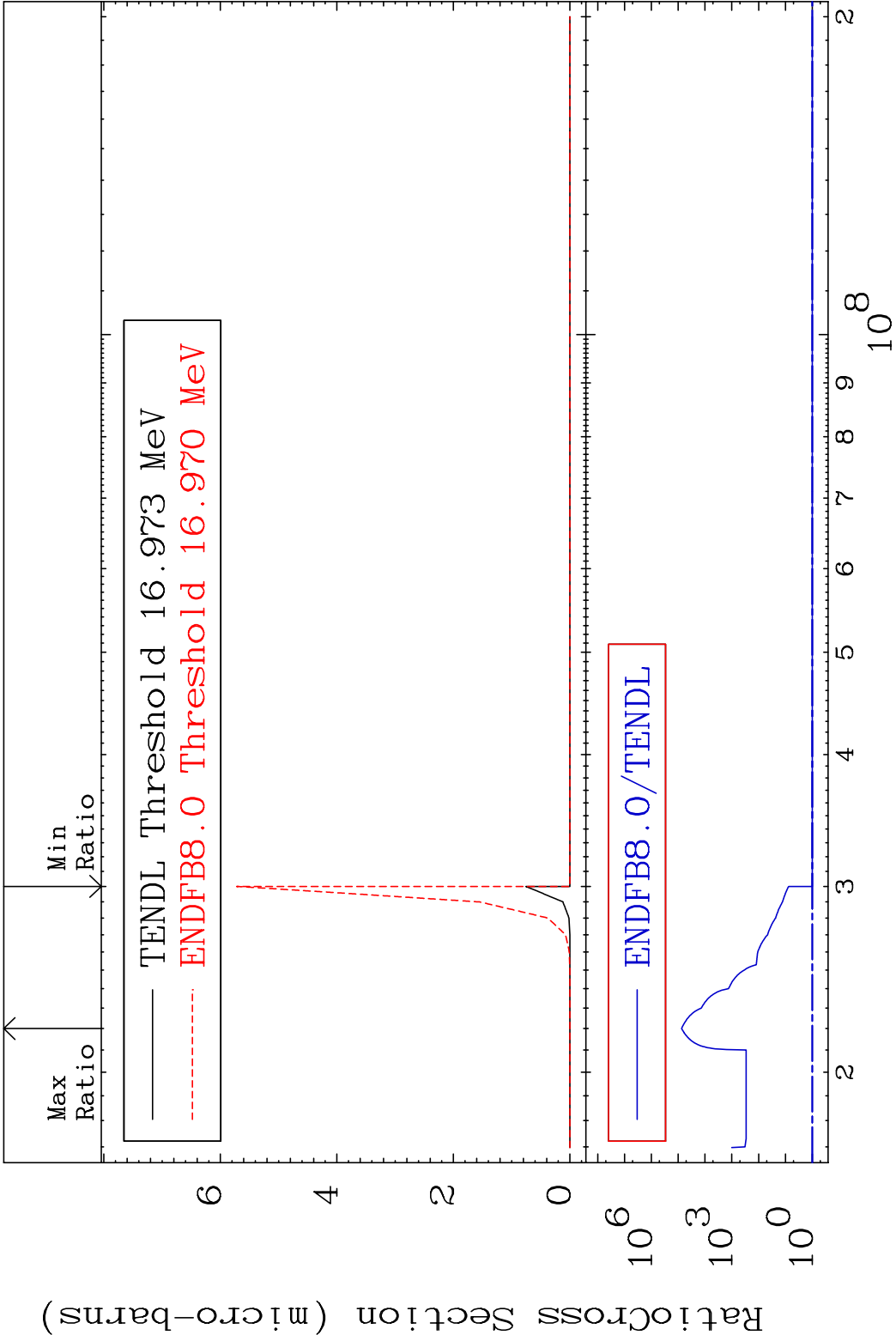
MAT 6140 Dpa disappearance (mt102 -120) 61-Pm-144
Cross Section -12.58 To 9999. %

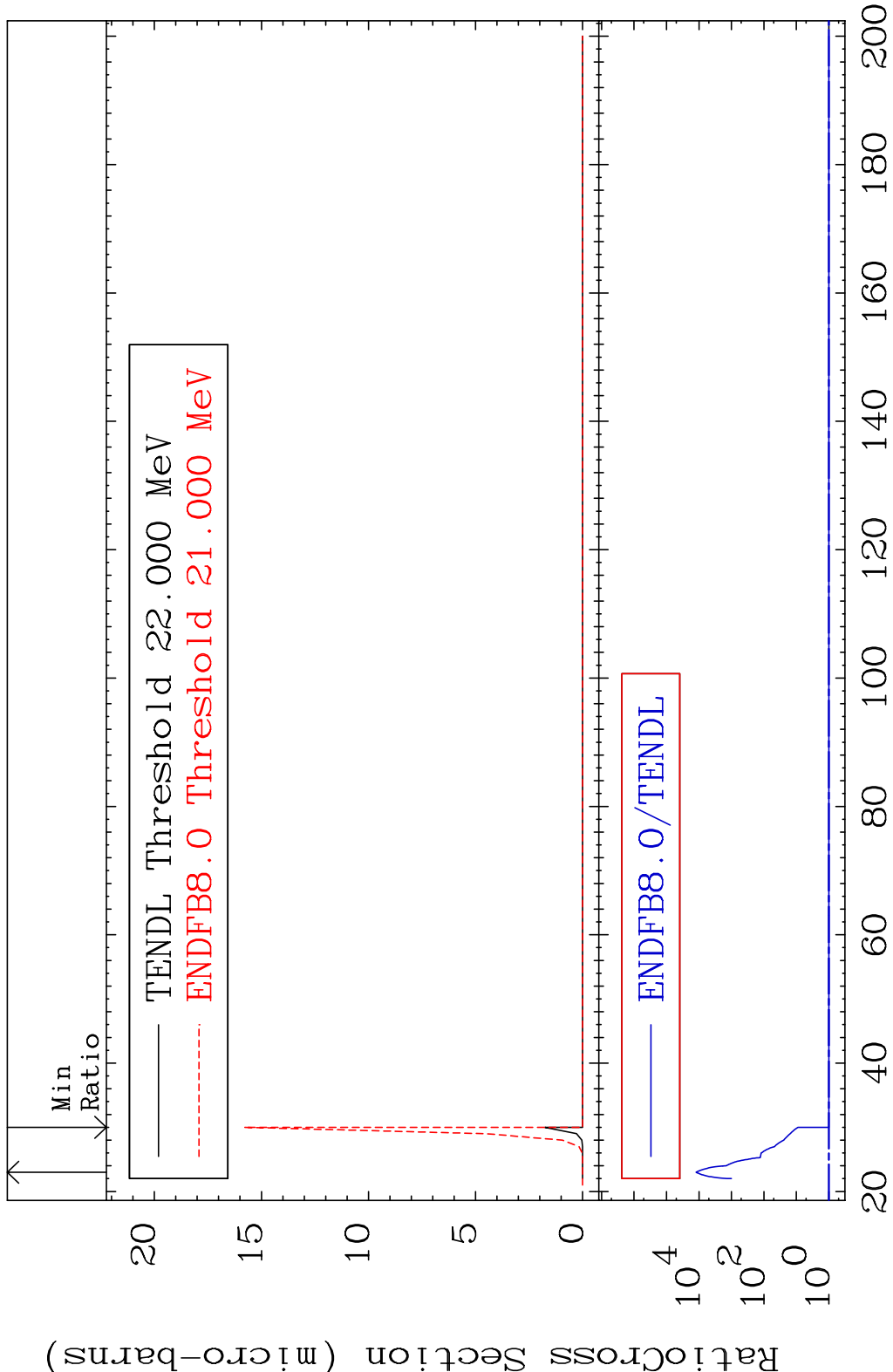


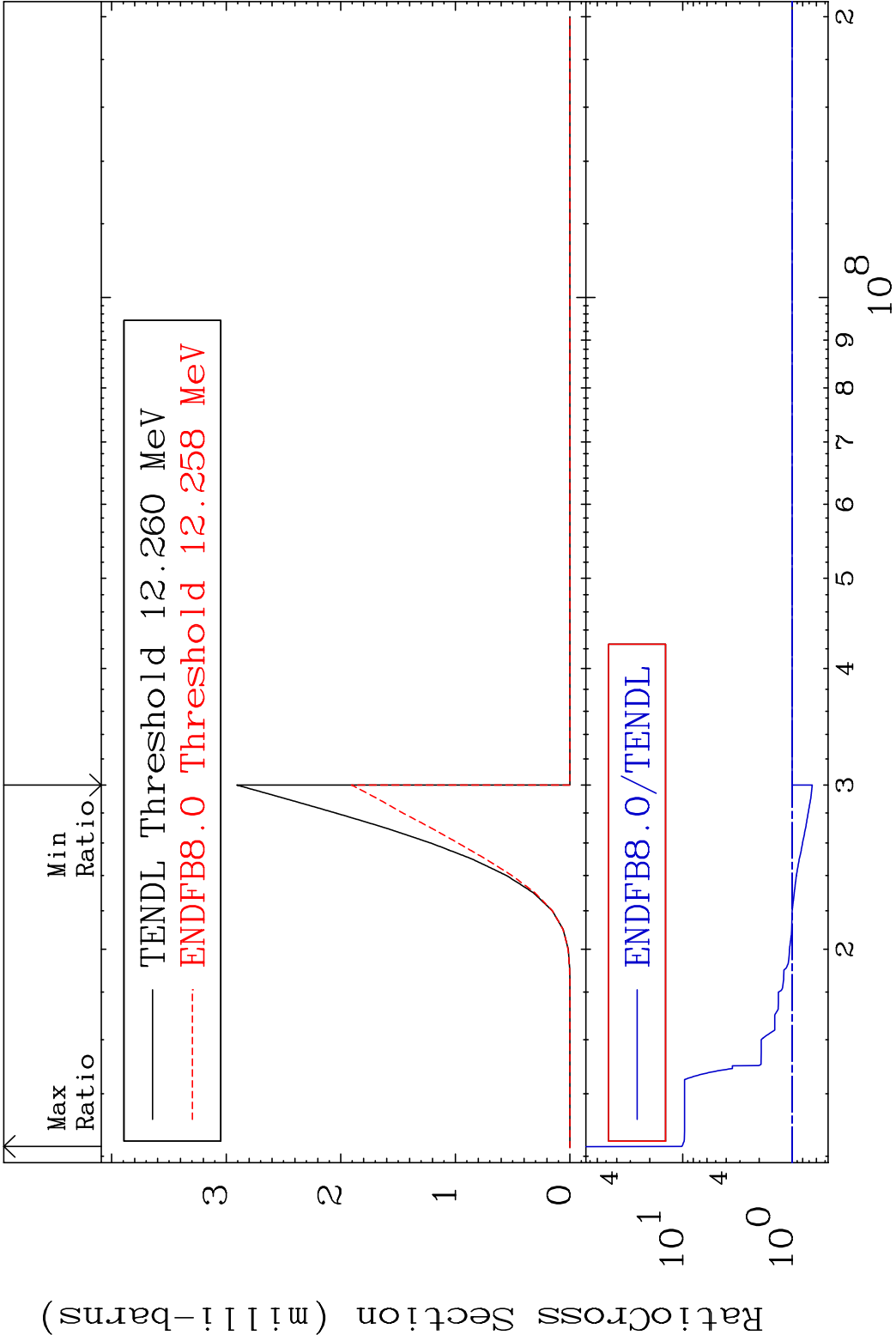
73 Incident Energy (eV) 61-Pm-144

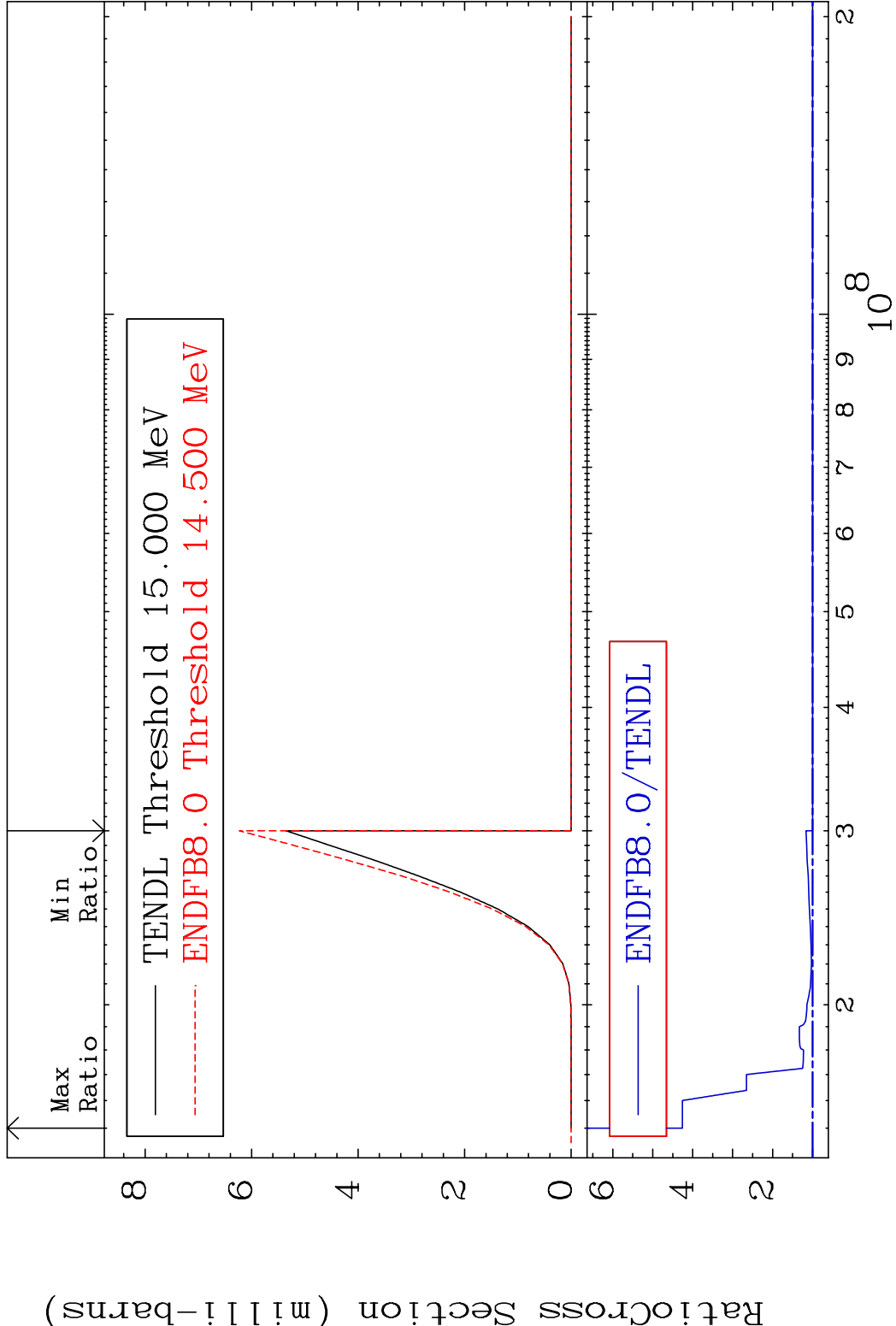


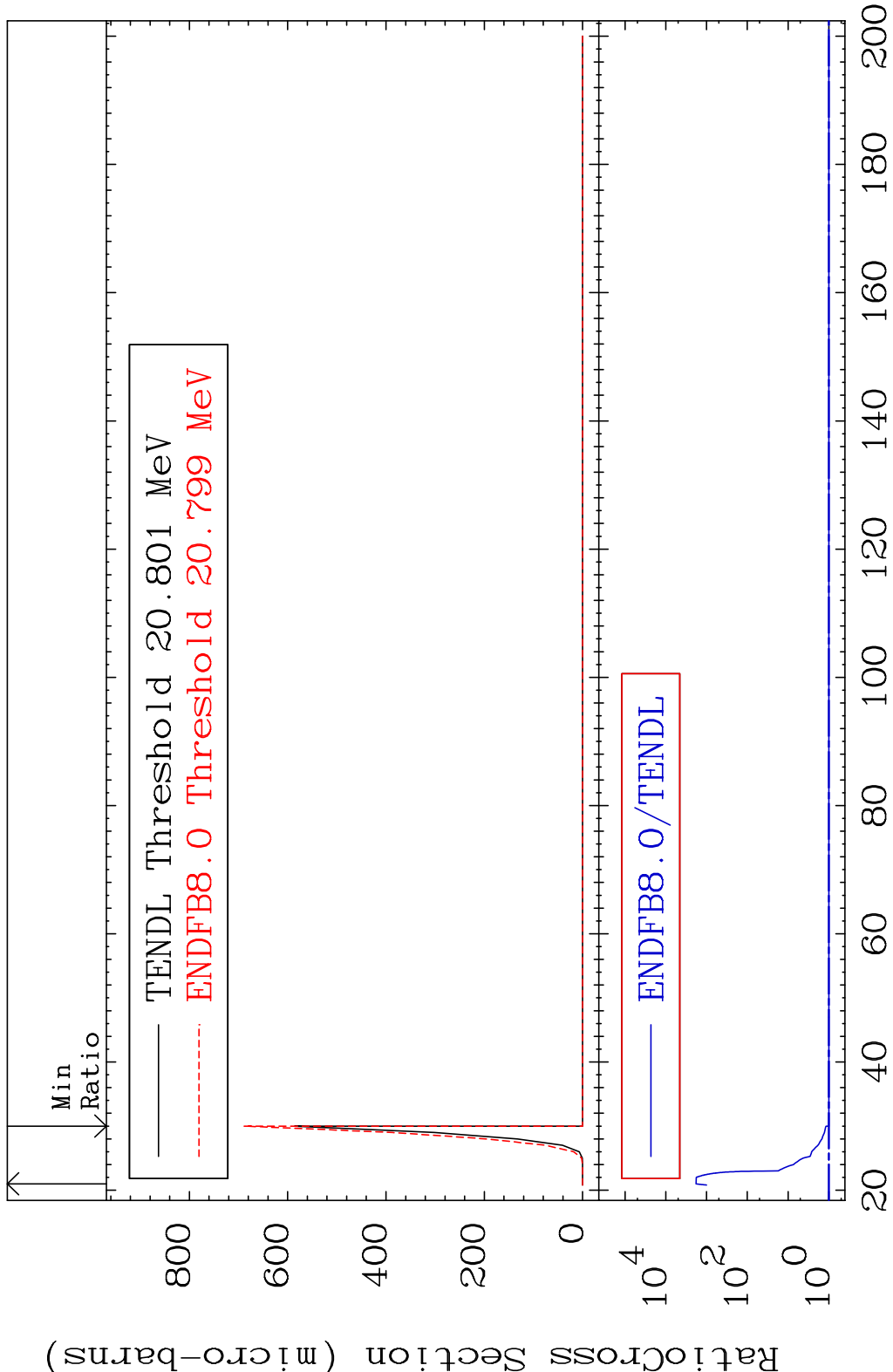


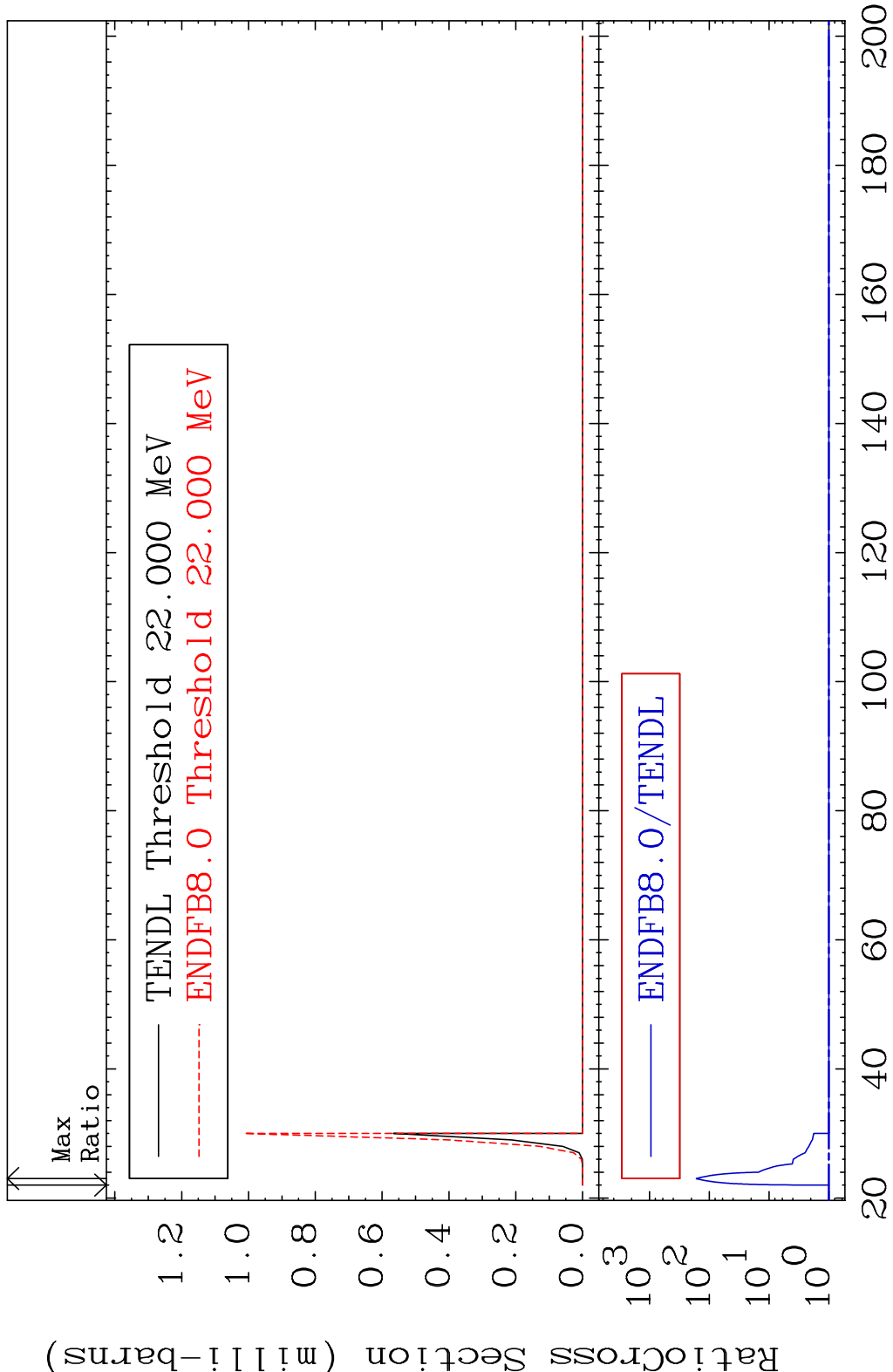


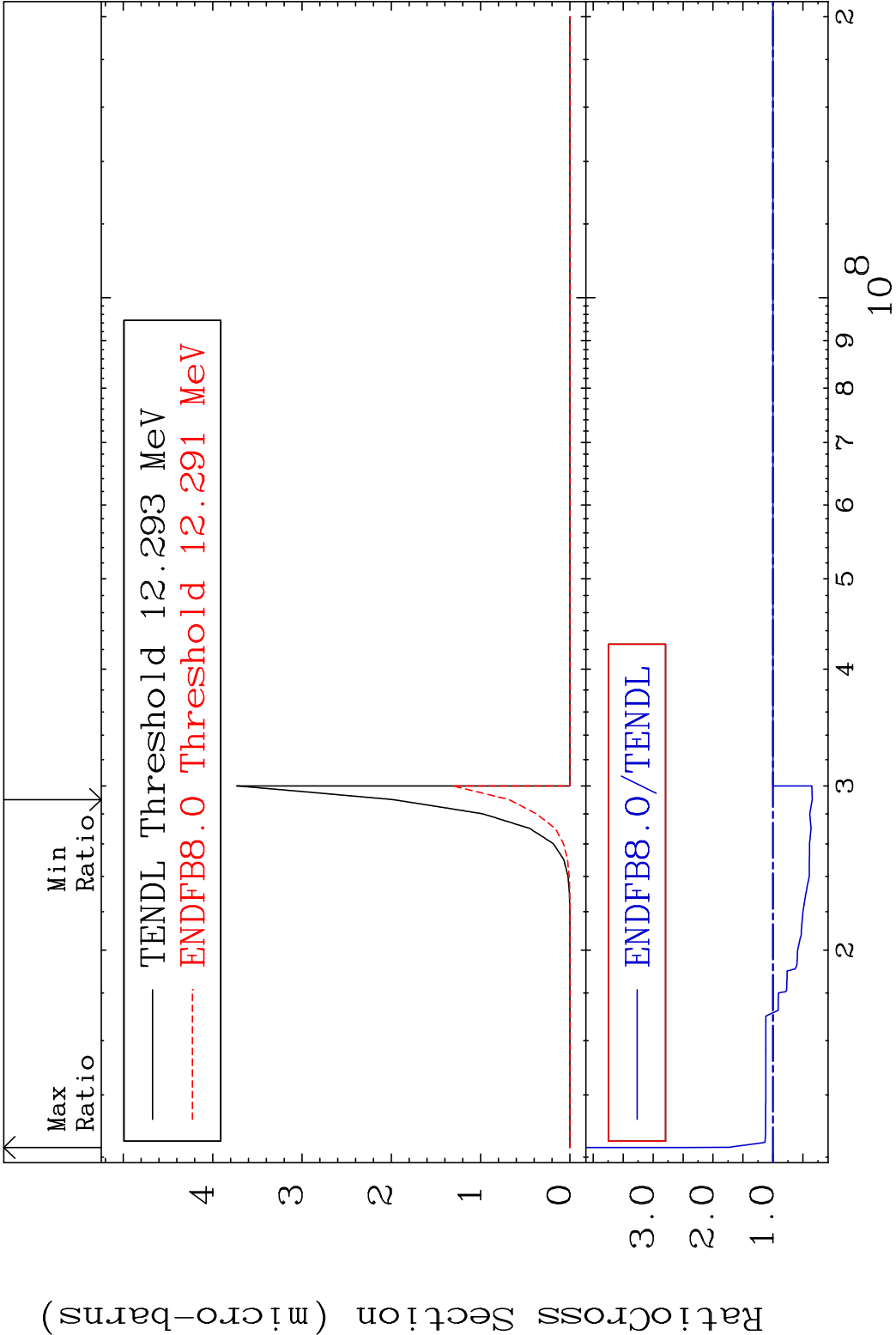


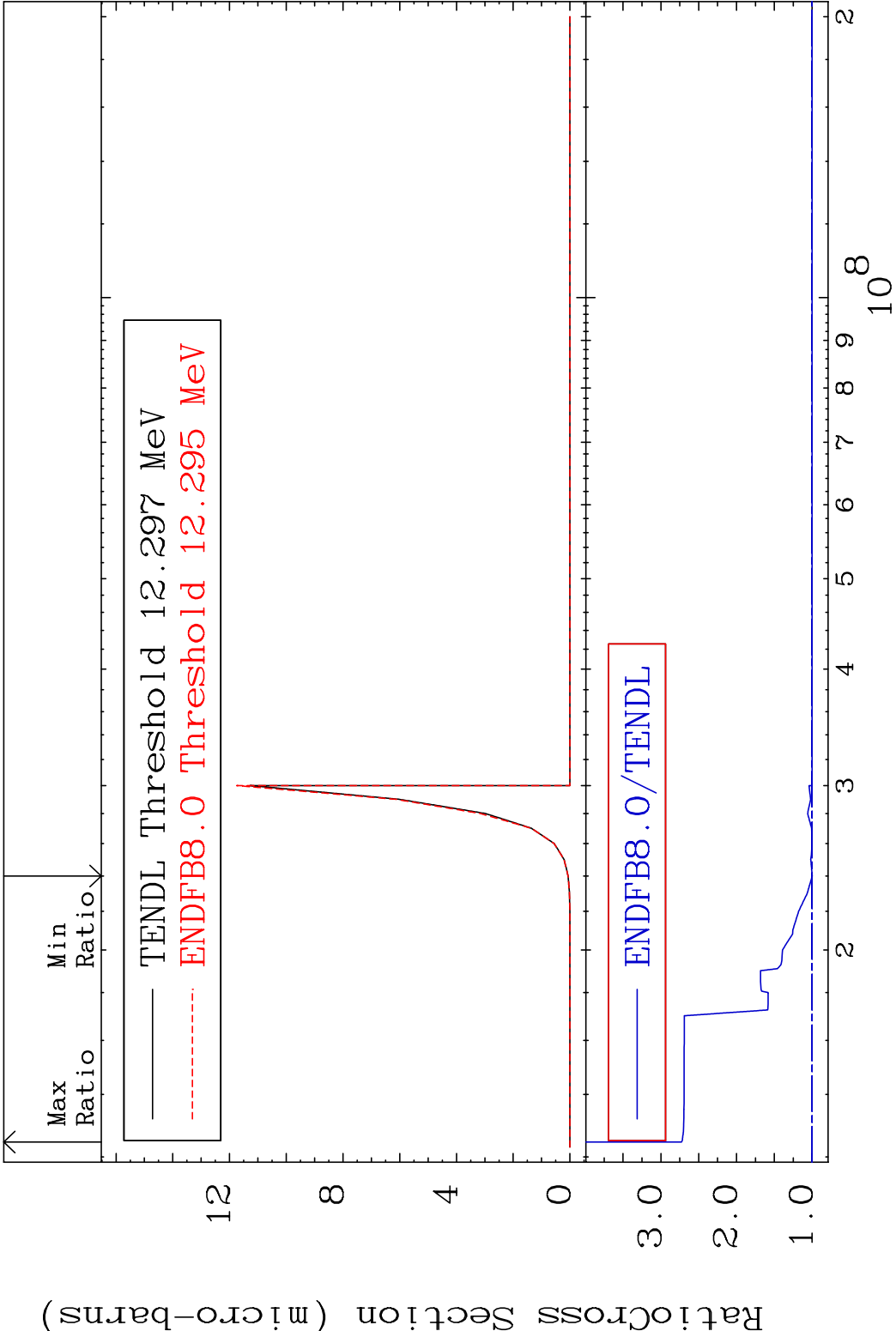


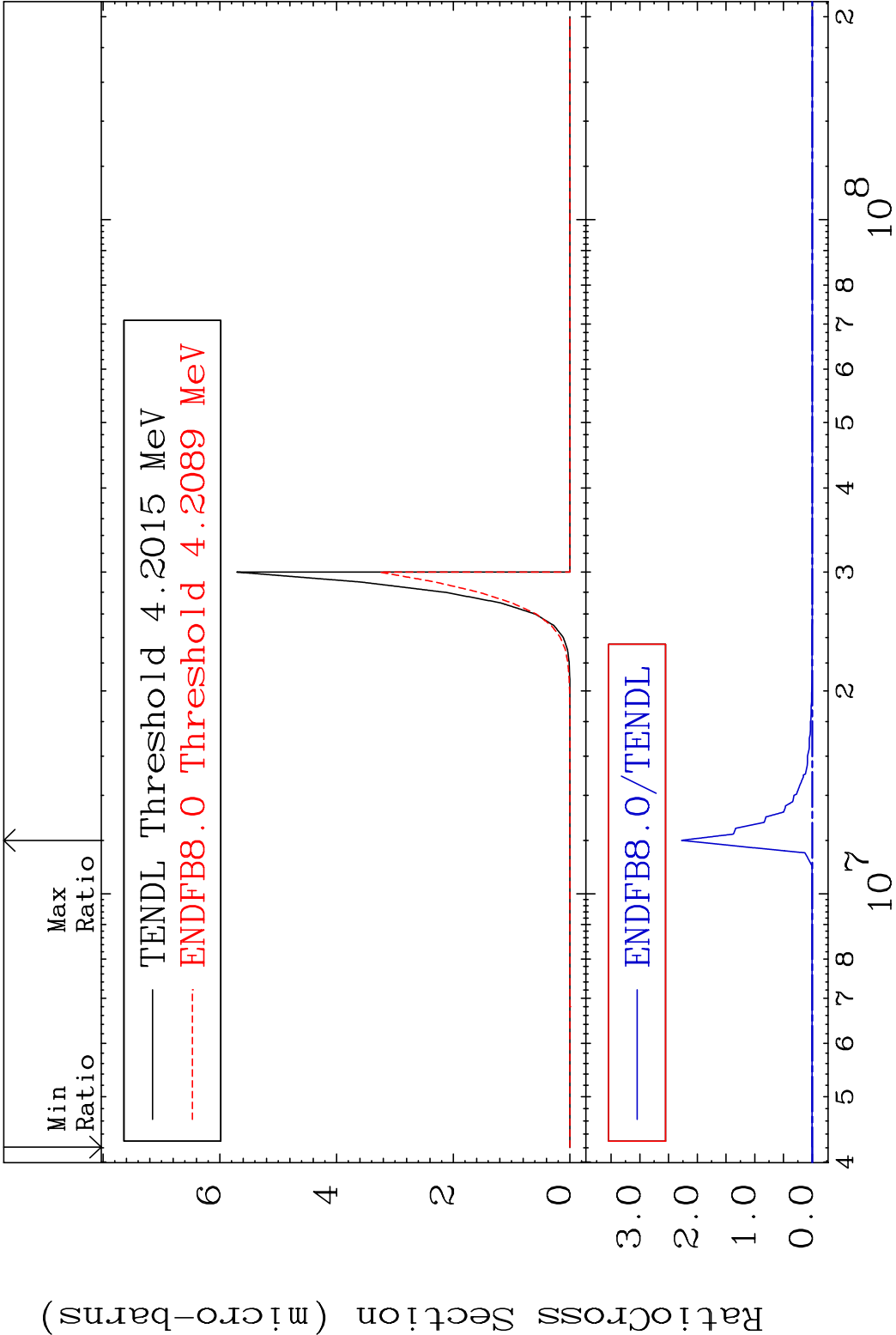


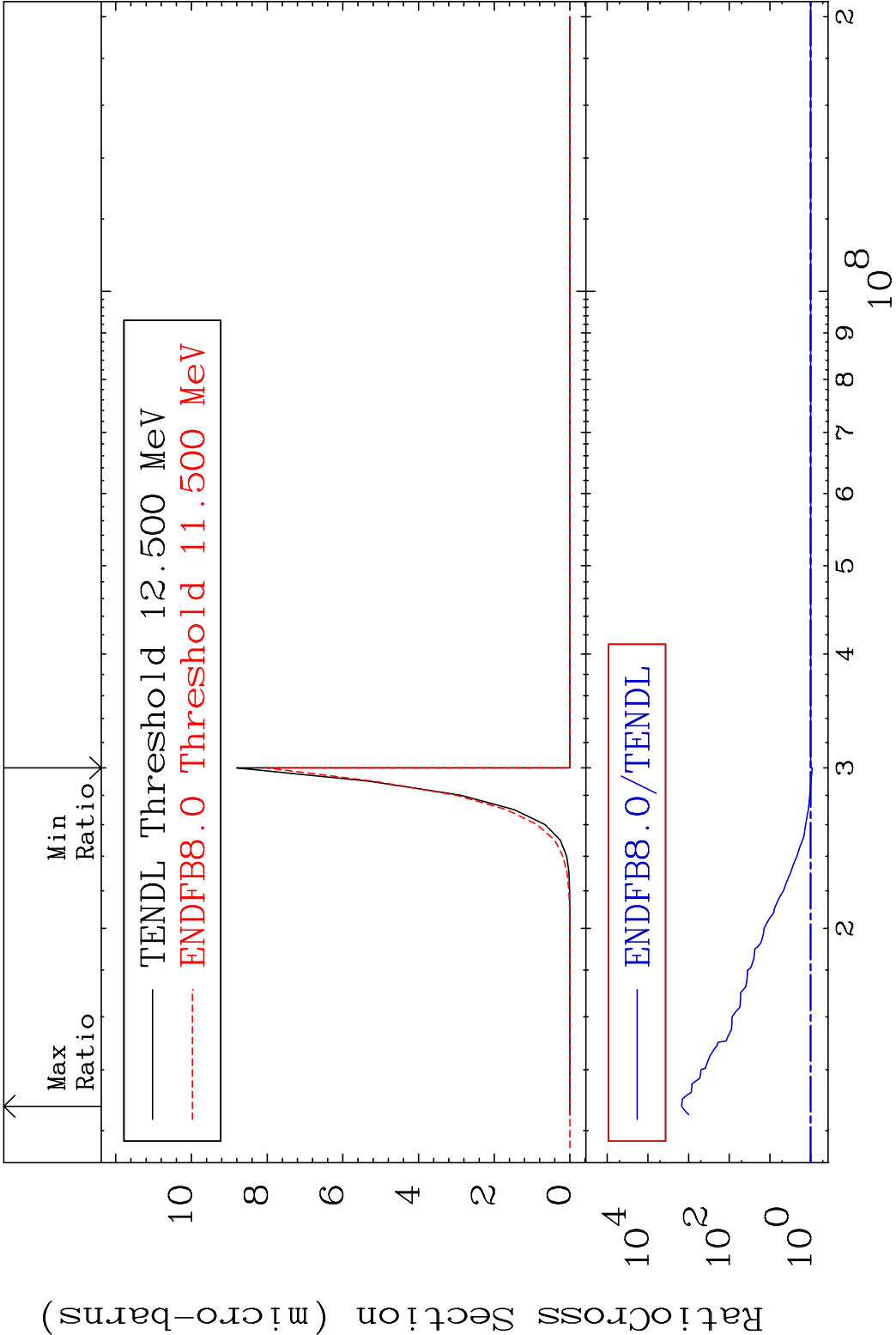












Radionuclide Production Cross-Section 0.000 %

