

Program Complot
(Version 2021-1)

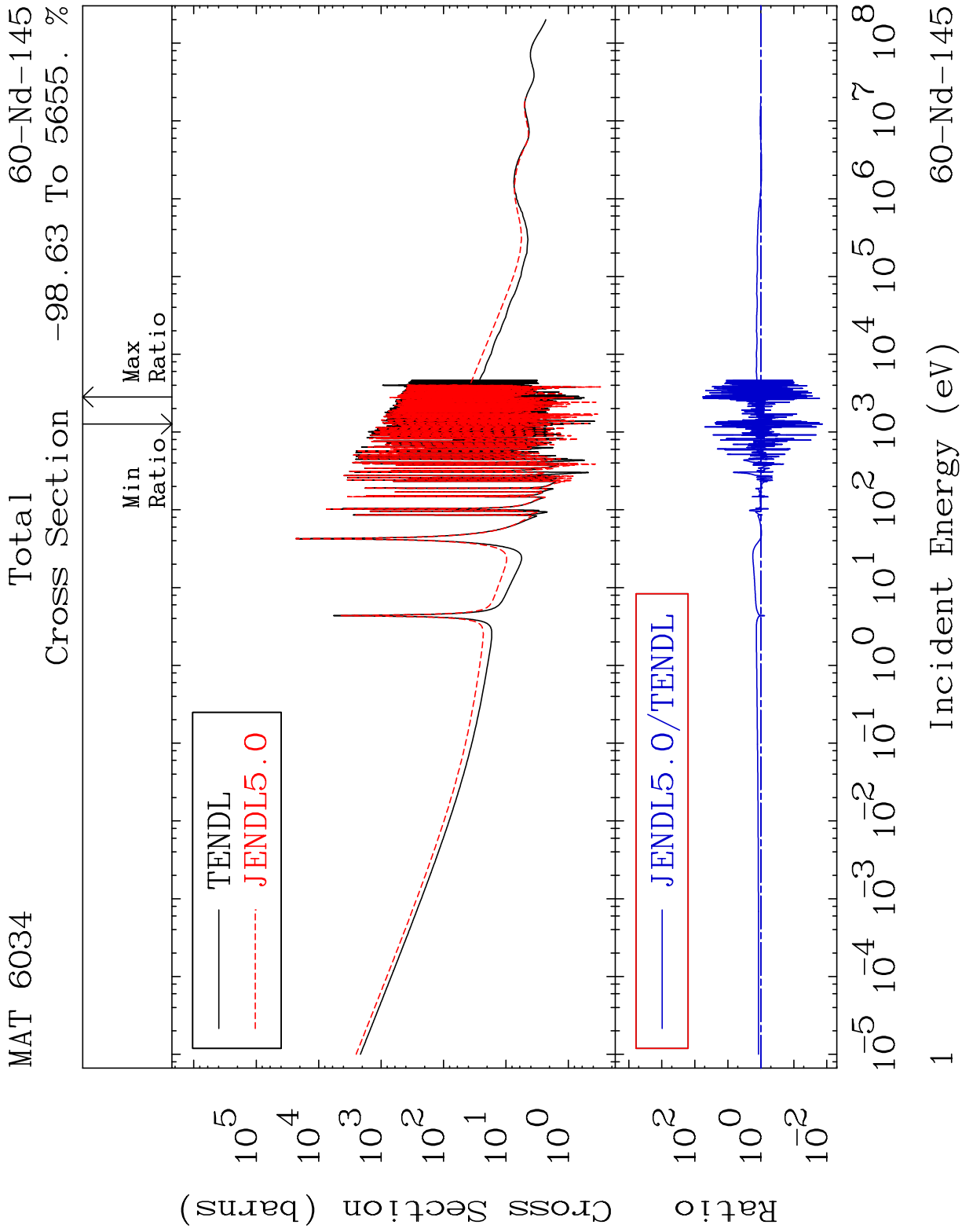
by

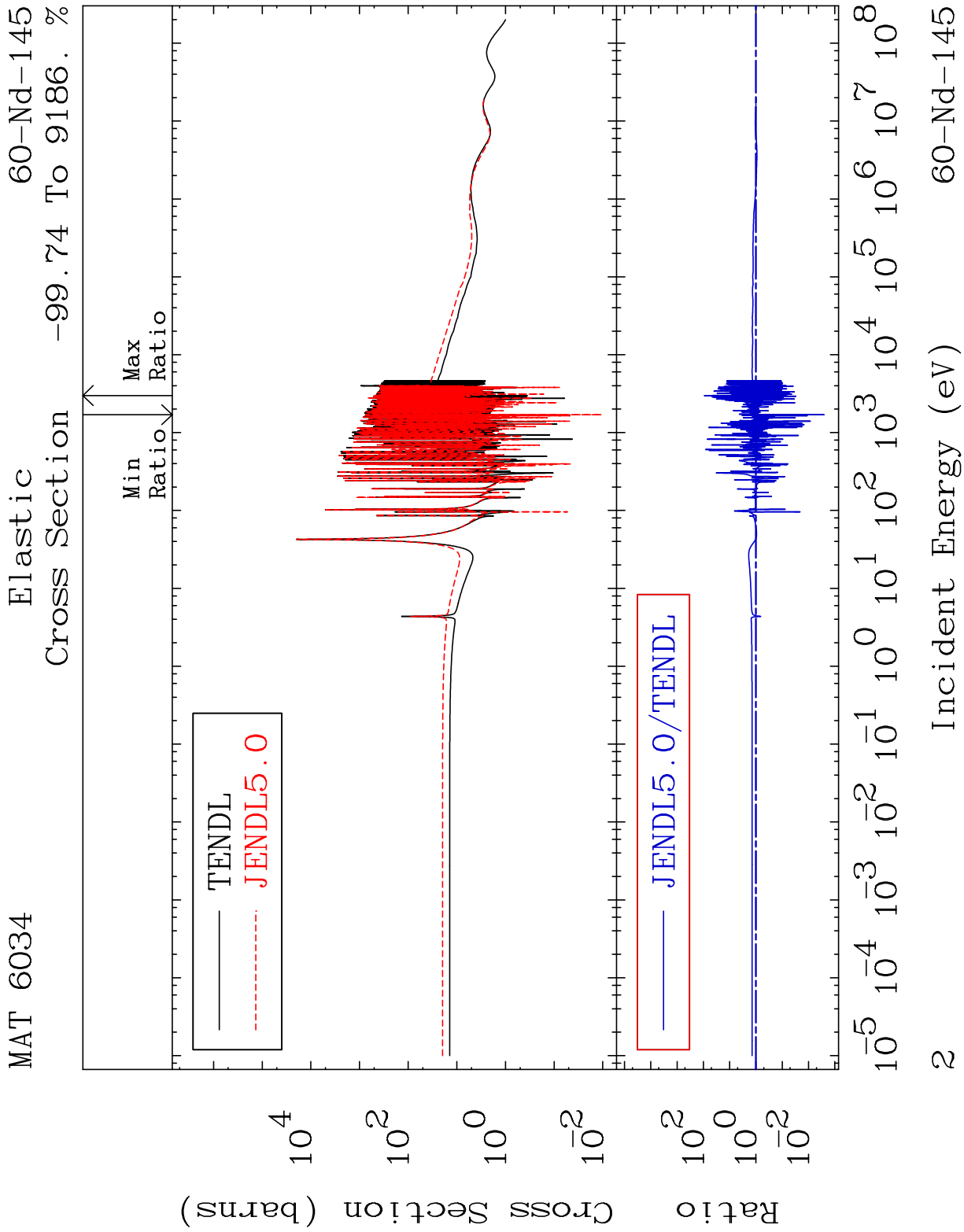
Dermott E. Cullen
(Present Contact Information)

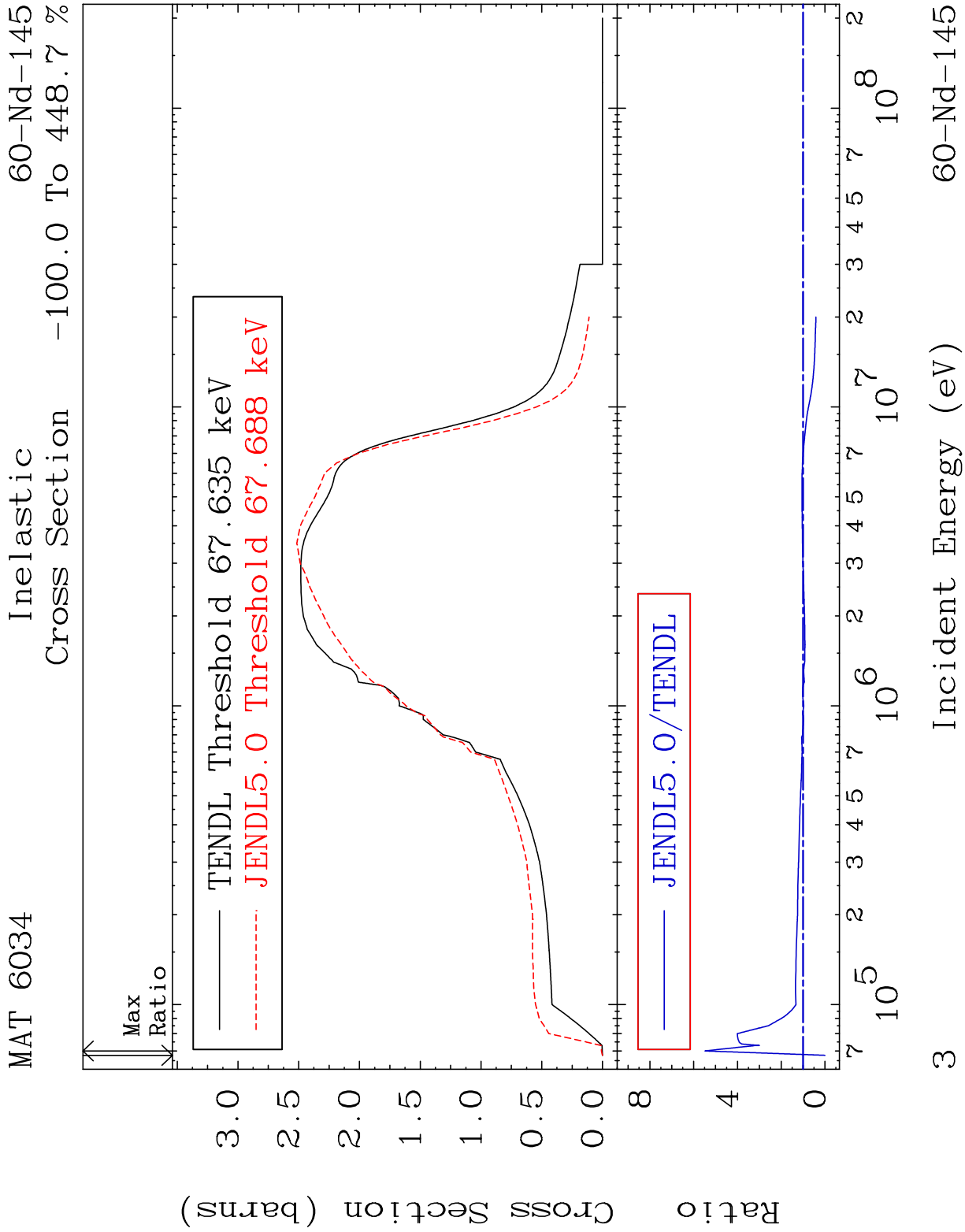
Dermott E. Cullen
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Livermore, CA 94550
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Press Mouse Button to Start





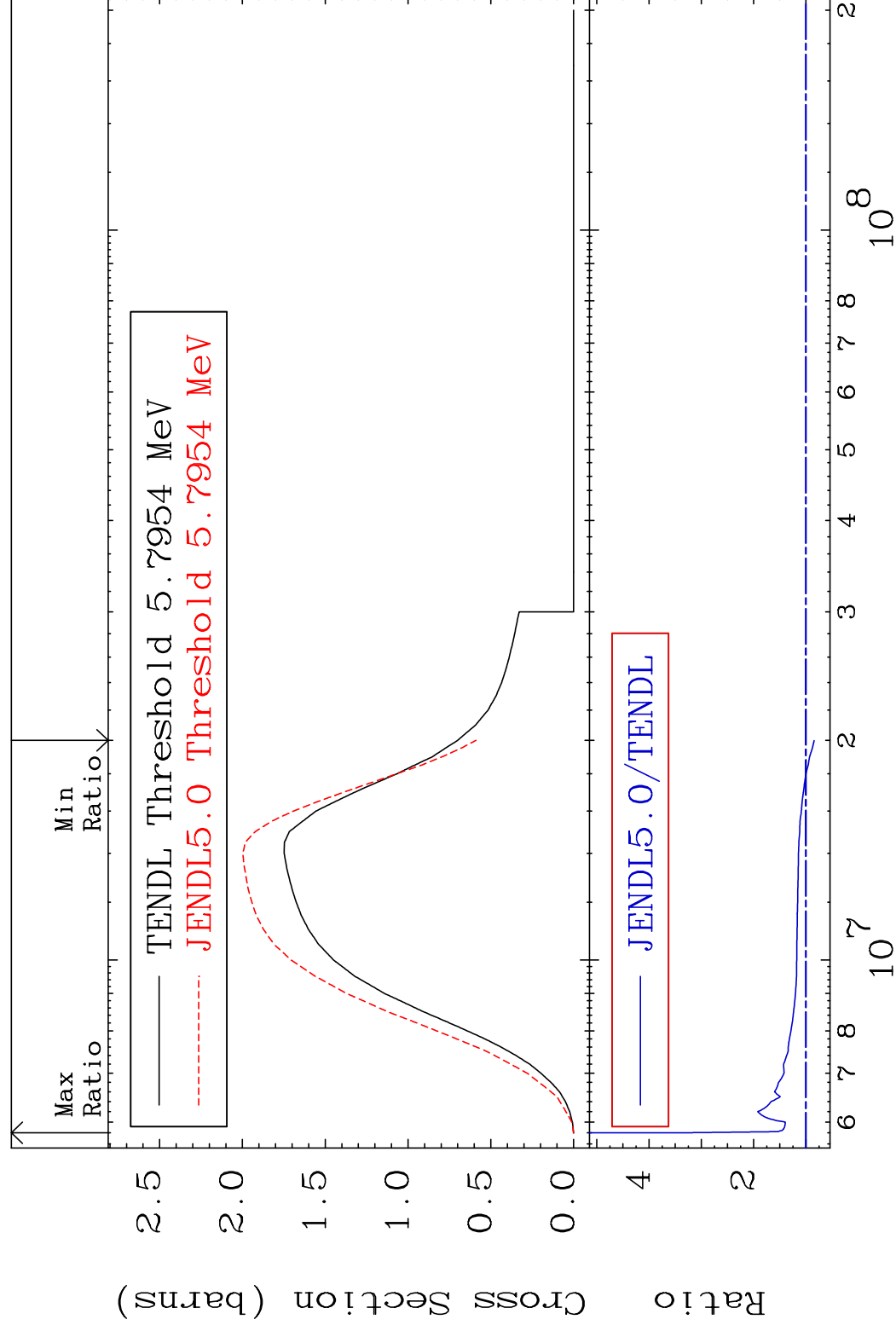


MAT 6034

$$(n, 2n)$$

60-Nd-145

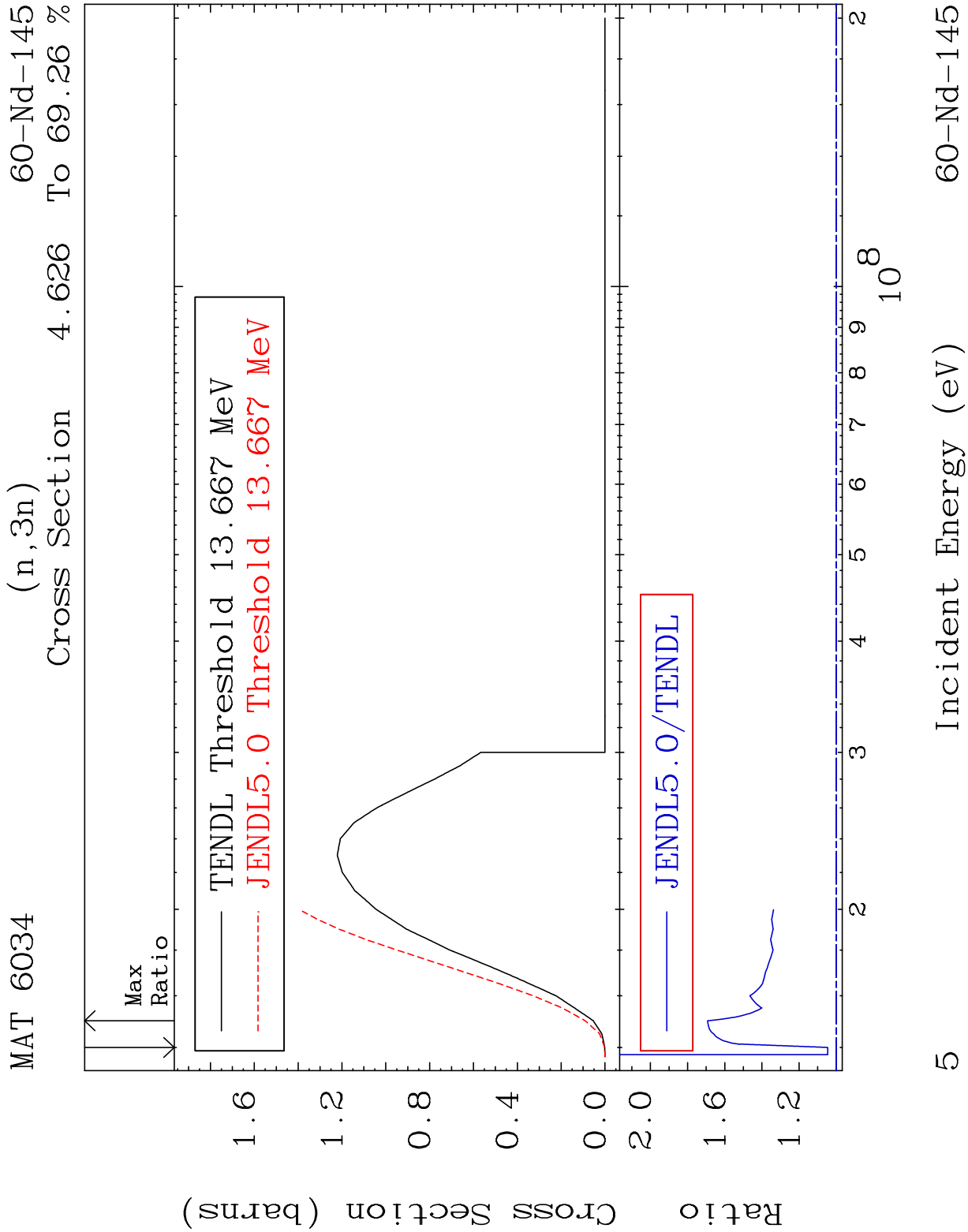
Cross Section -15.86 To 232.4 %

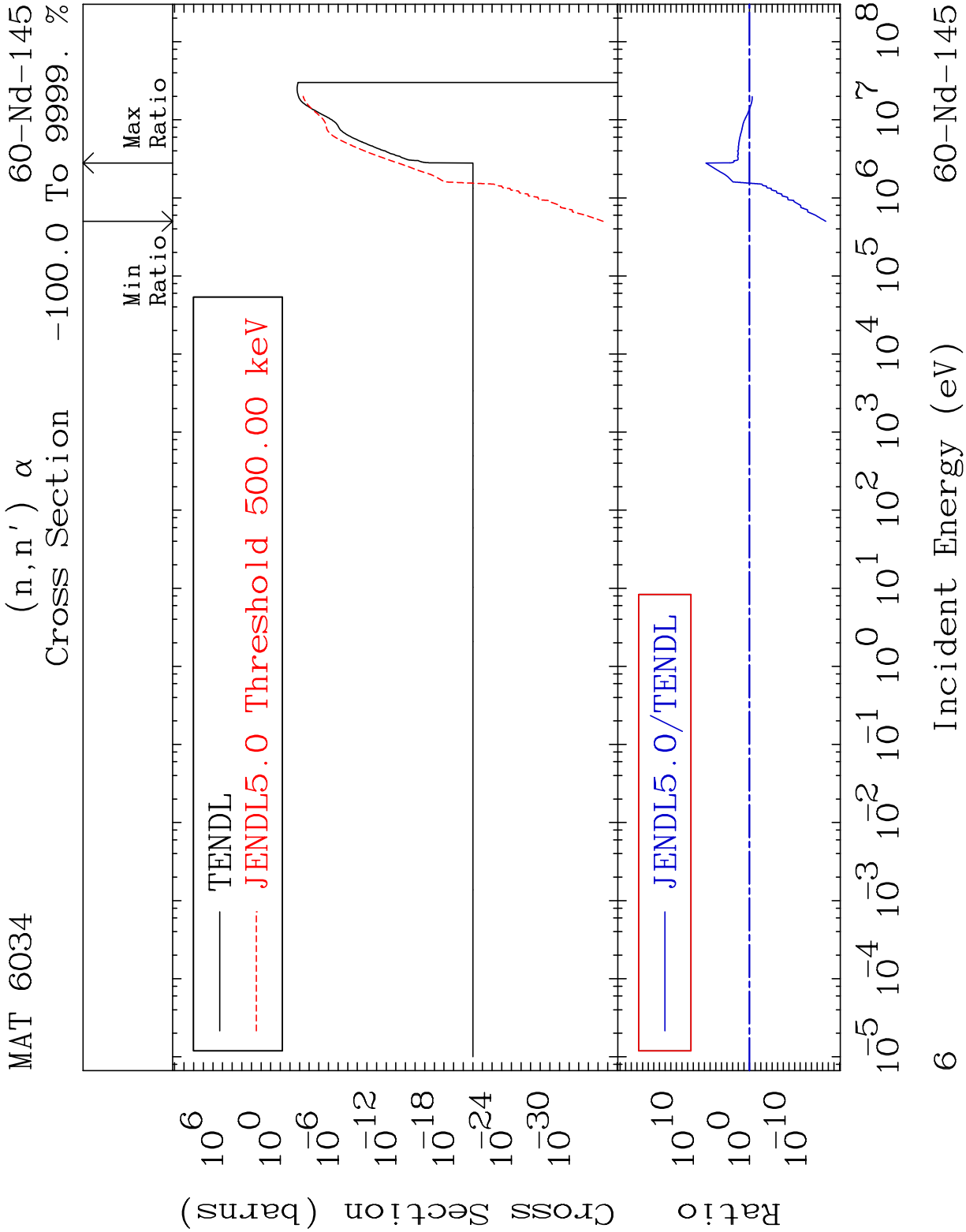


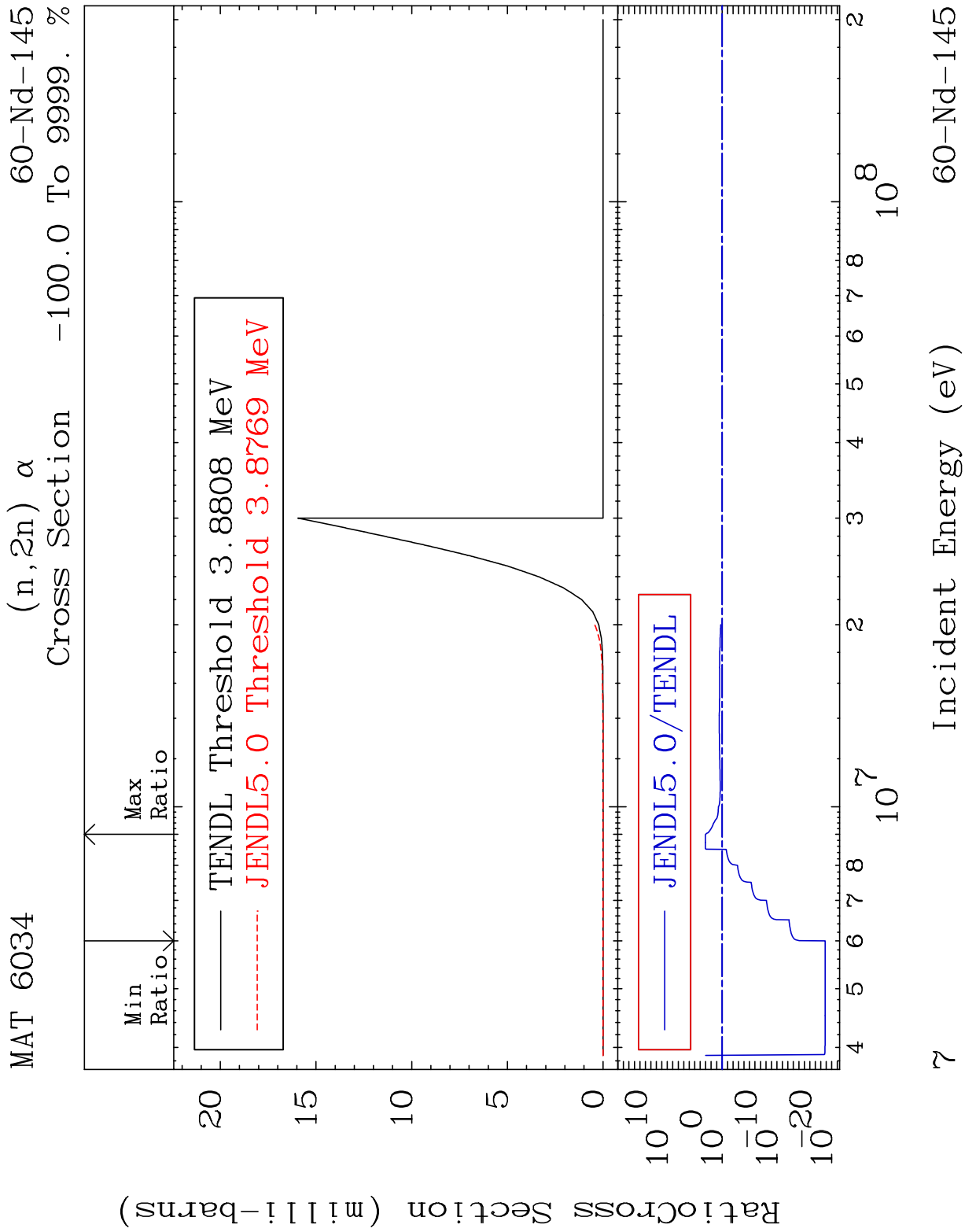
4

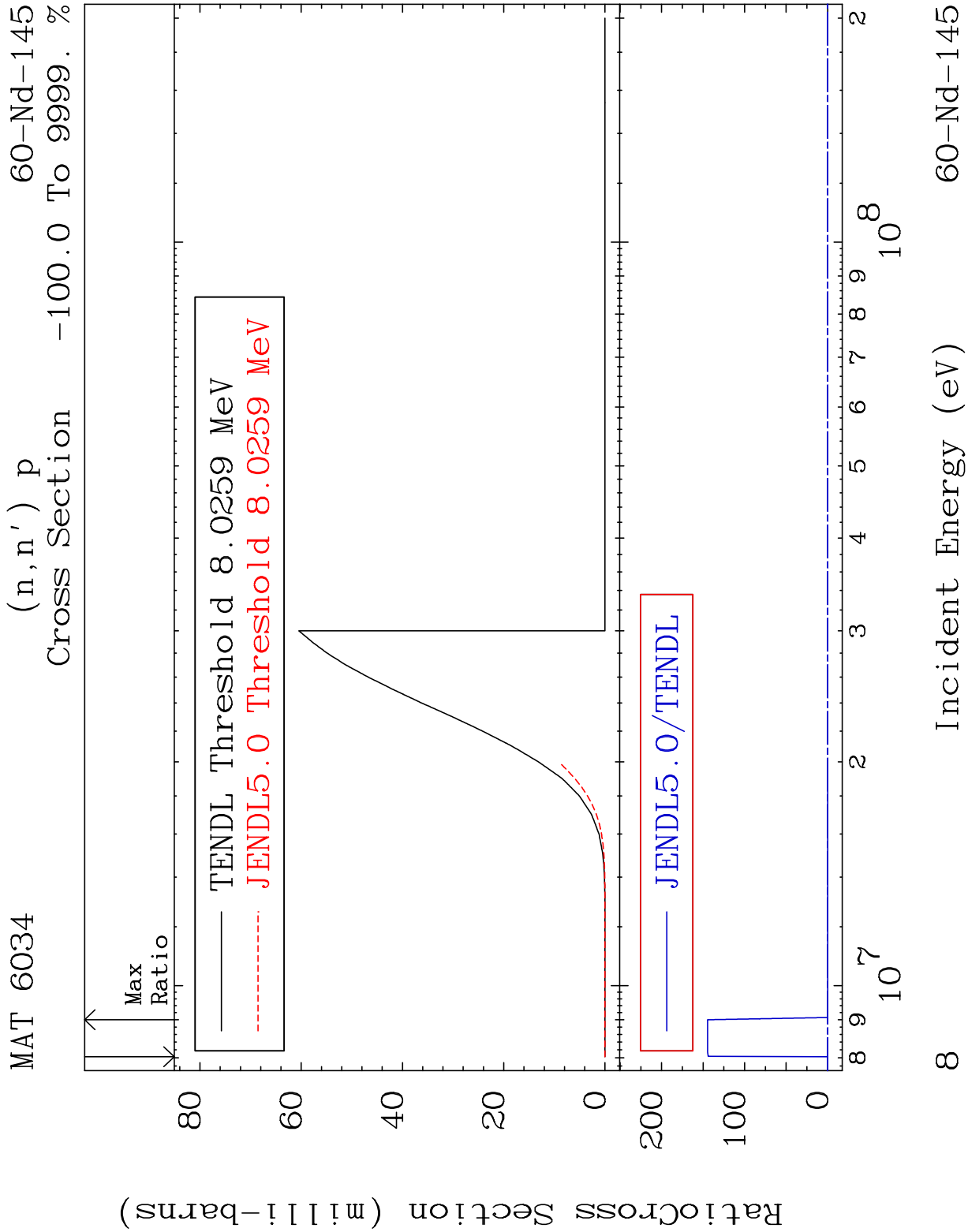
Incident Energy (eV)

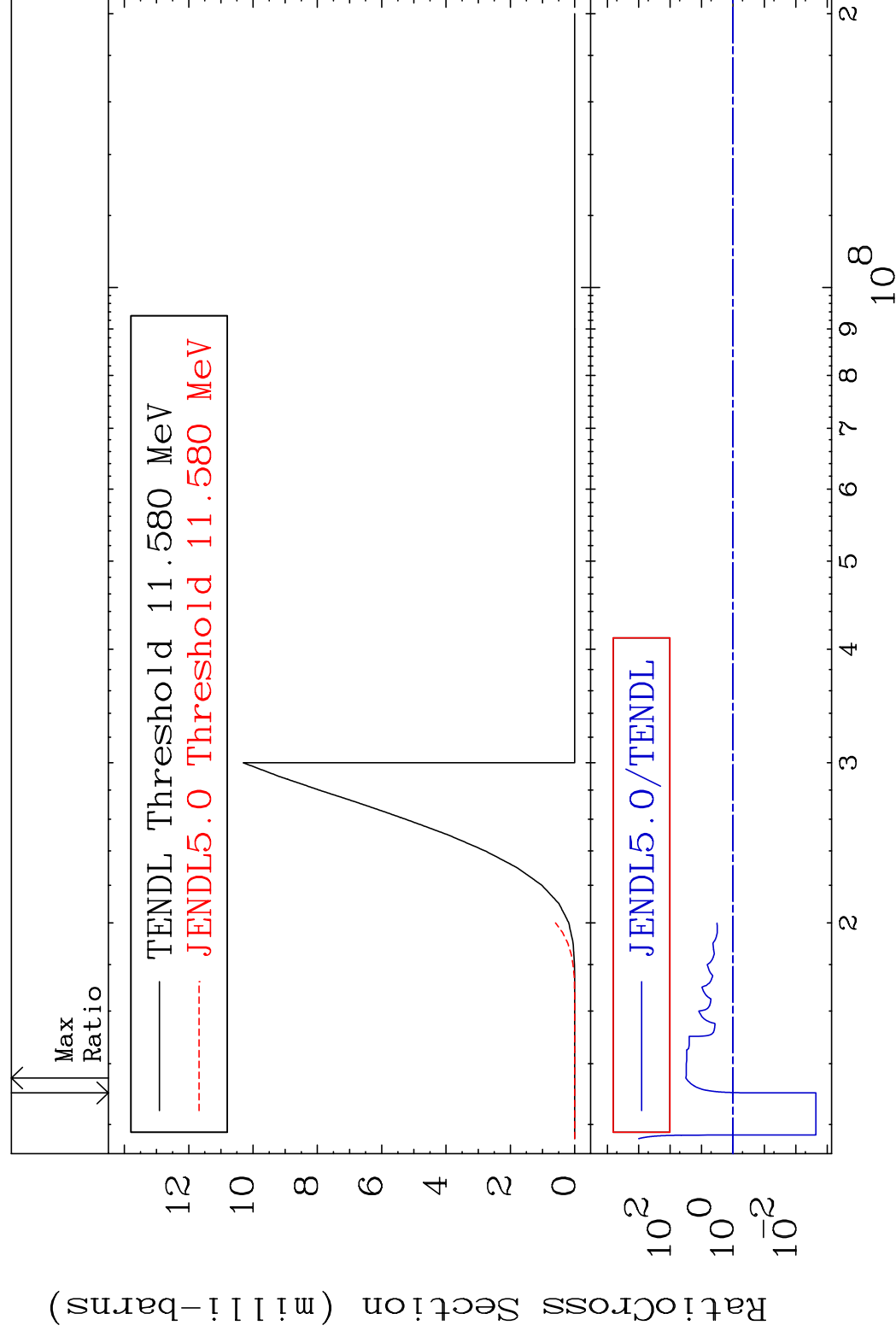
60-Nd-145









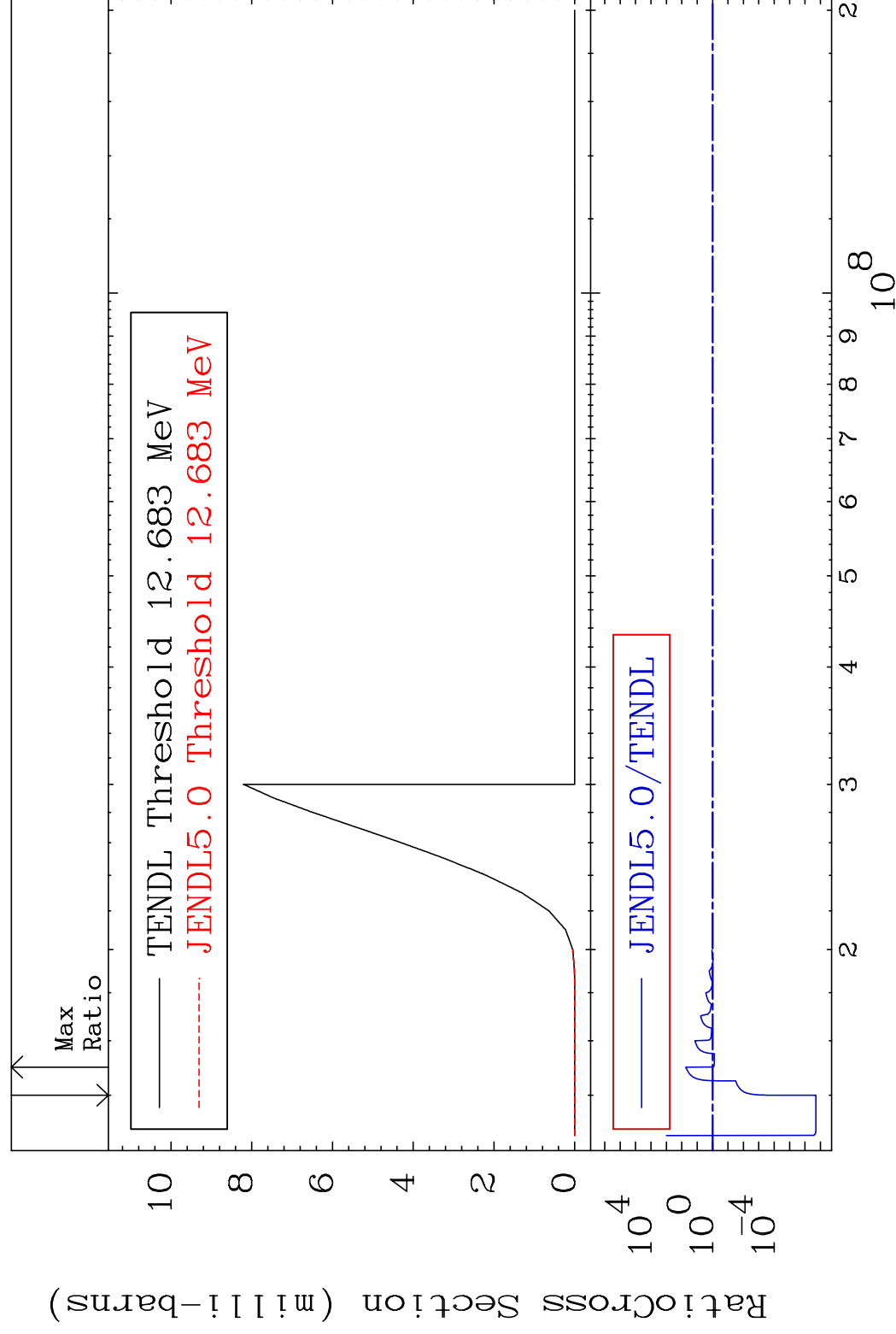


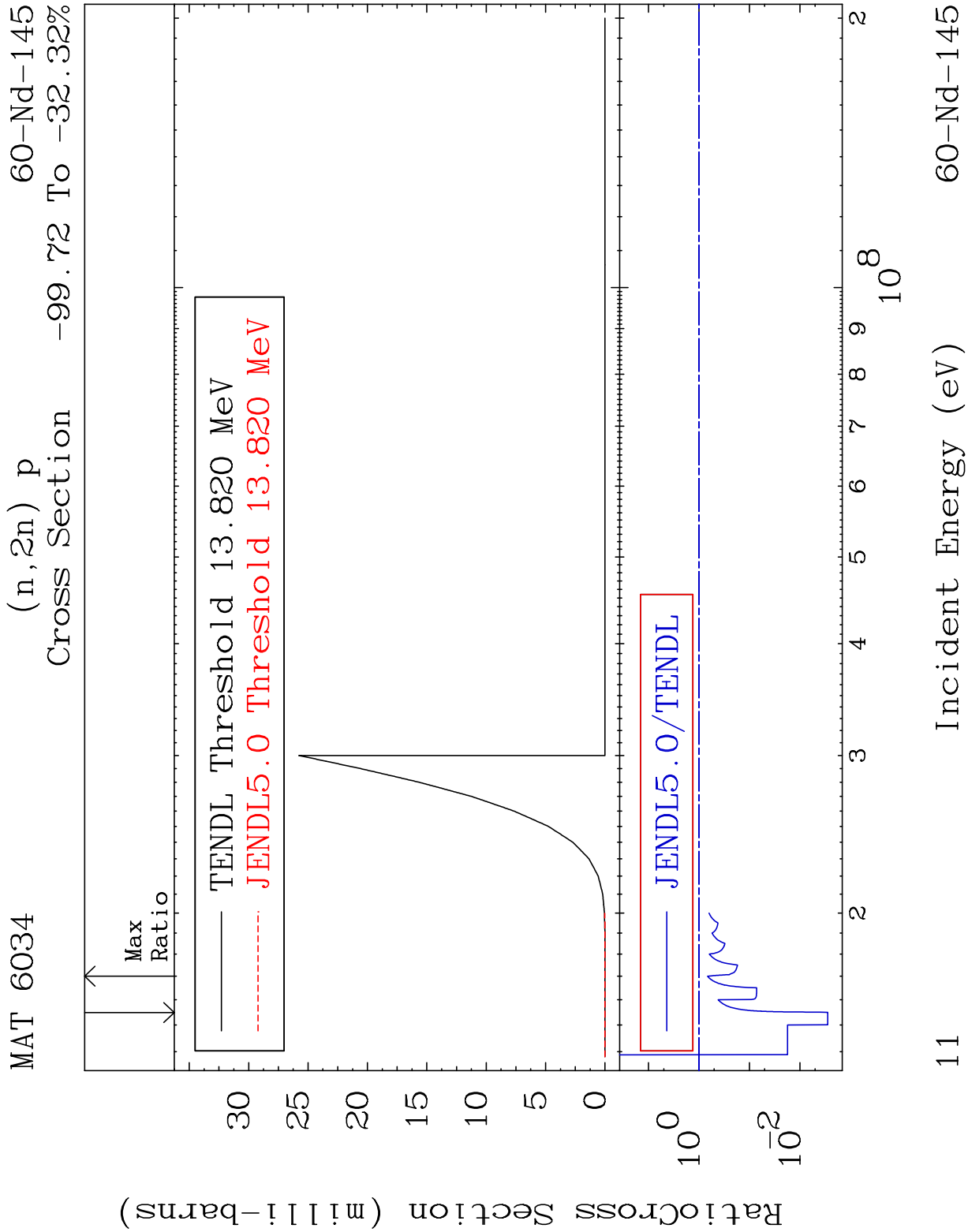
MAT 6034

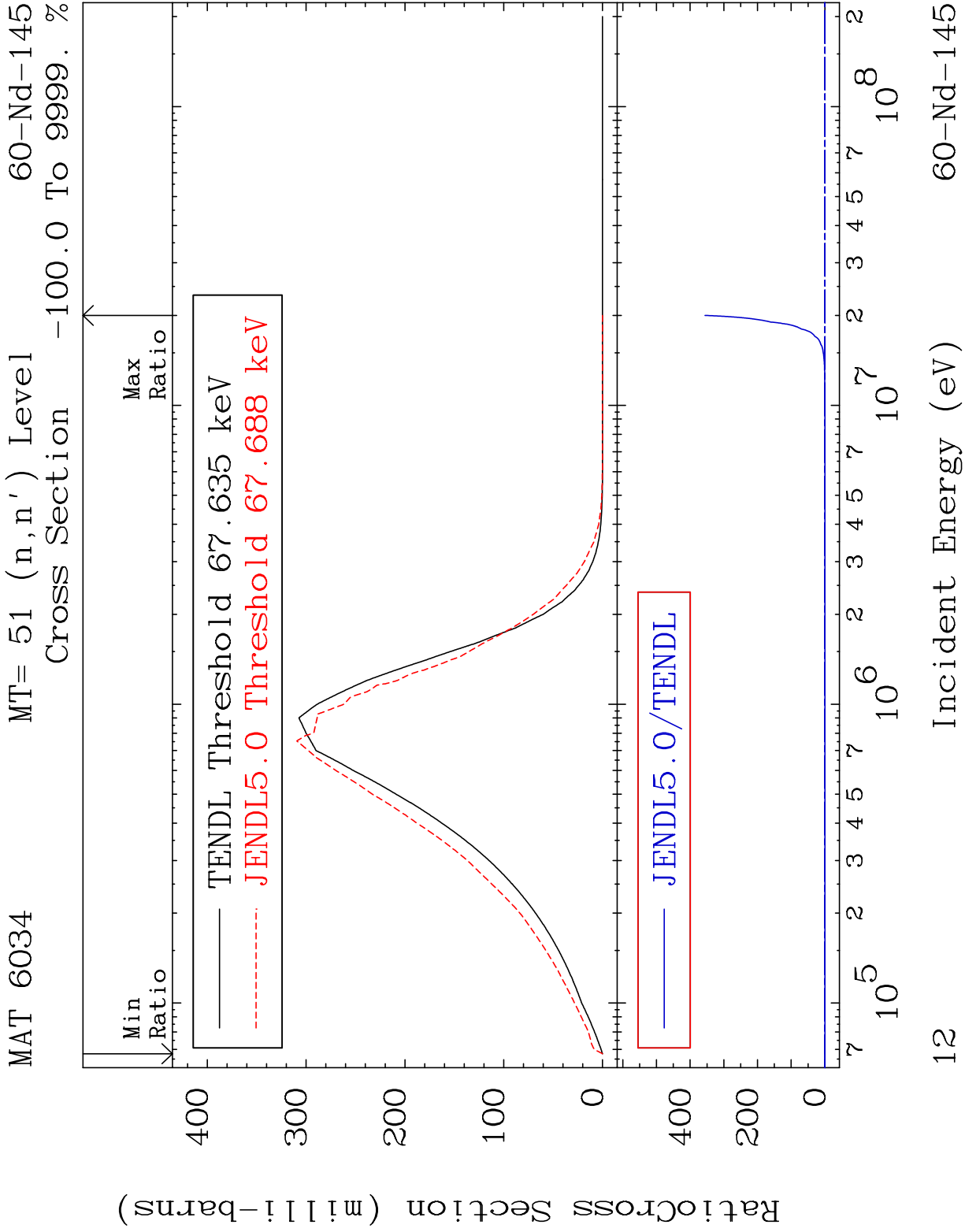
 $(n, n')t$

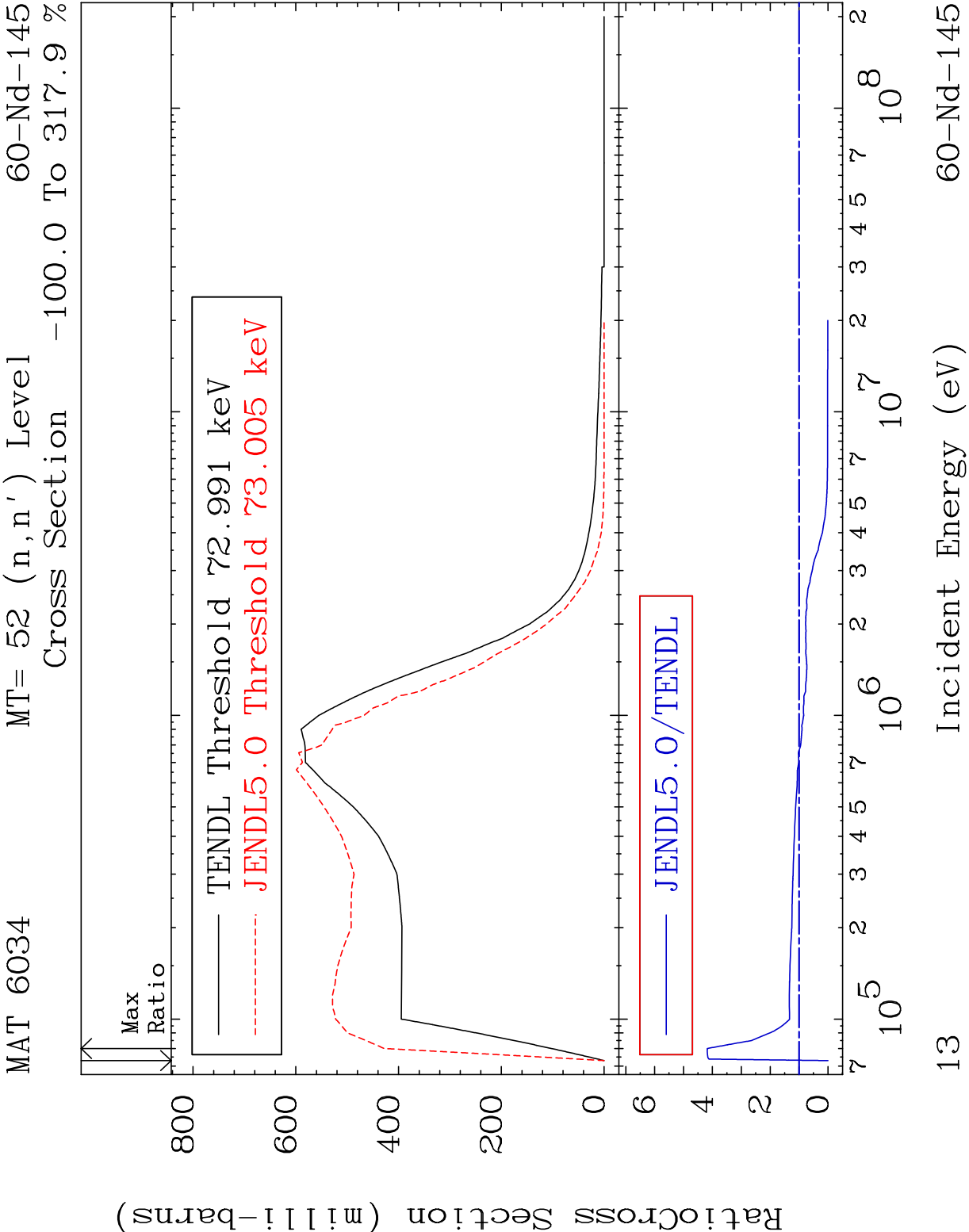
60-Nd-145

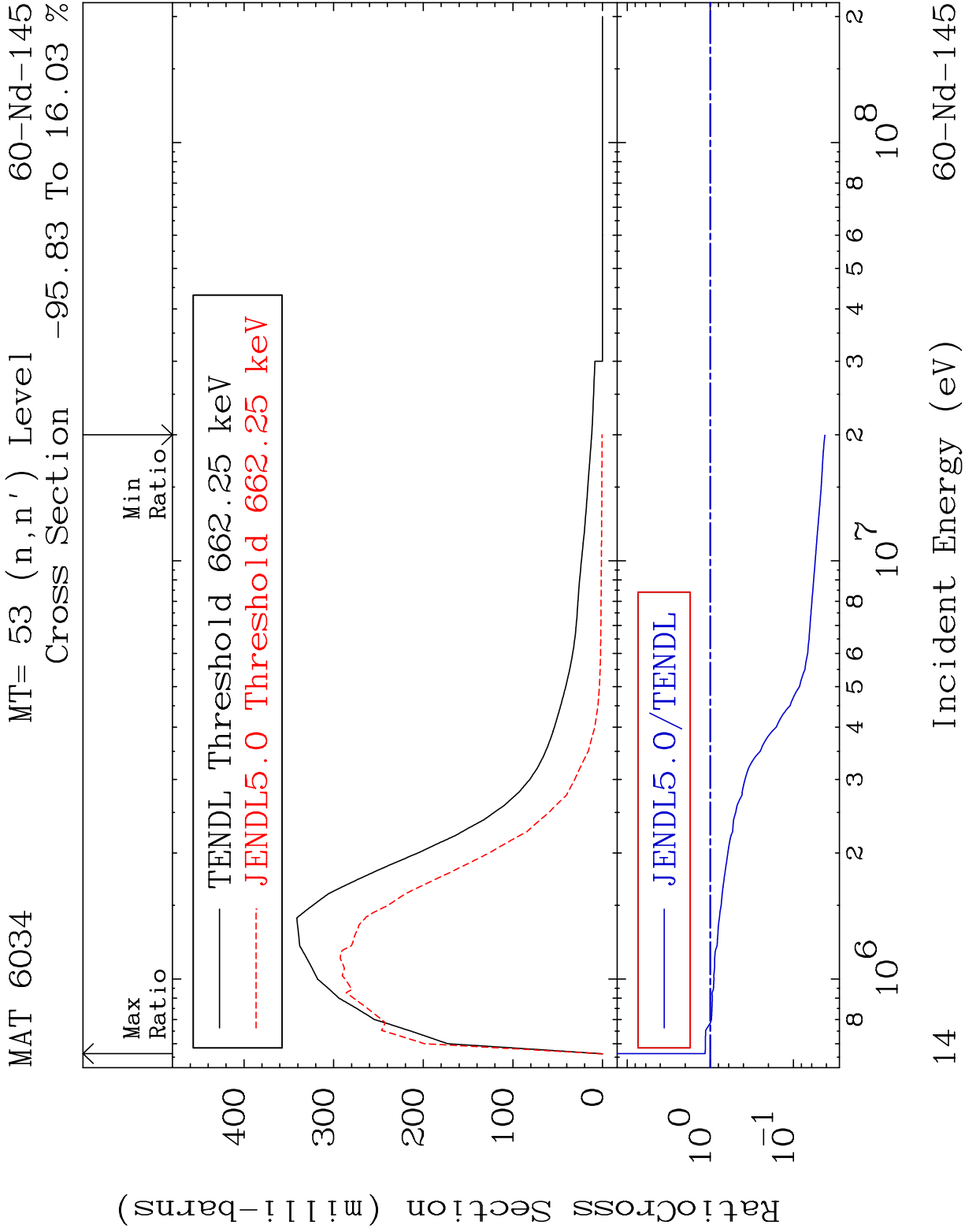
Cross Section -100.0 To 5398. %

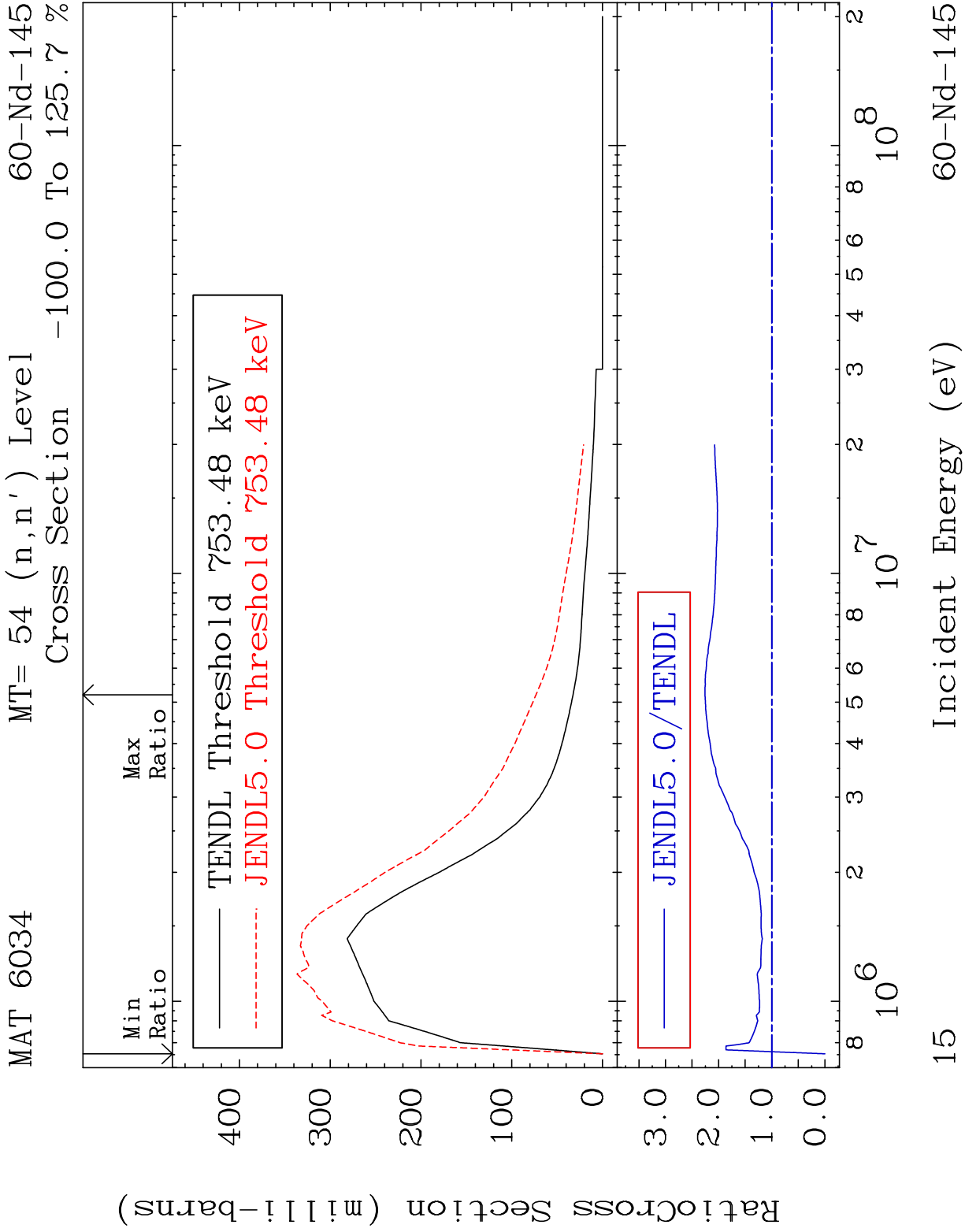


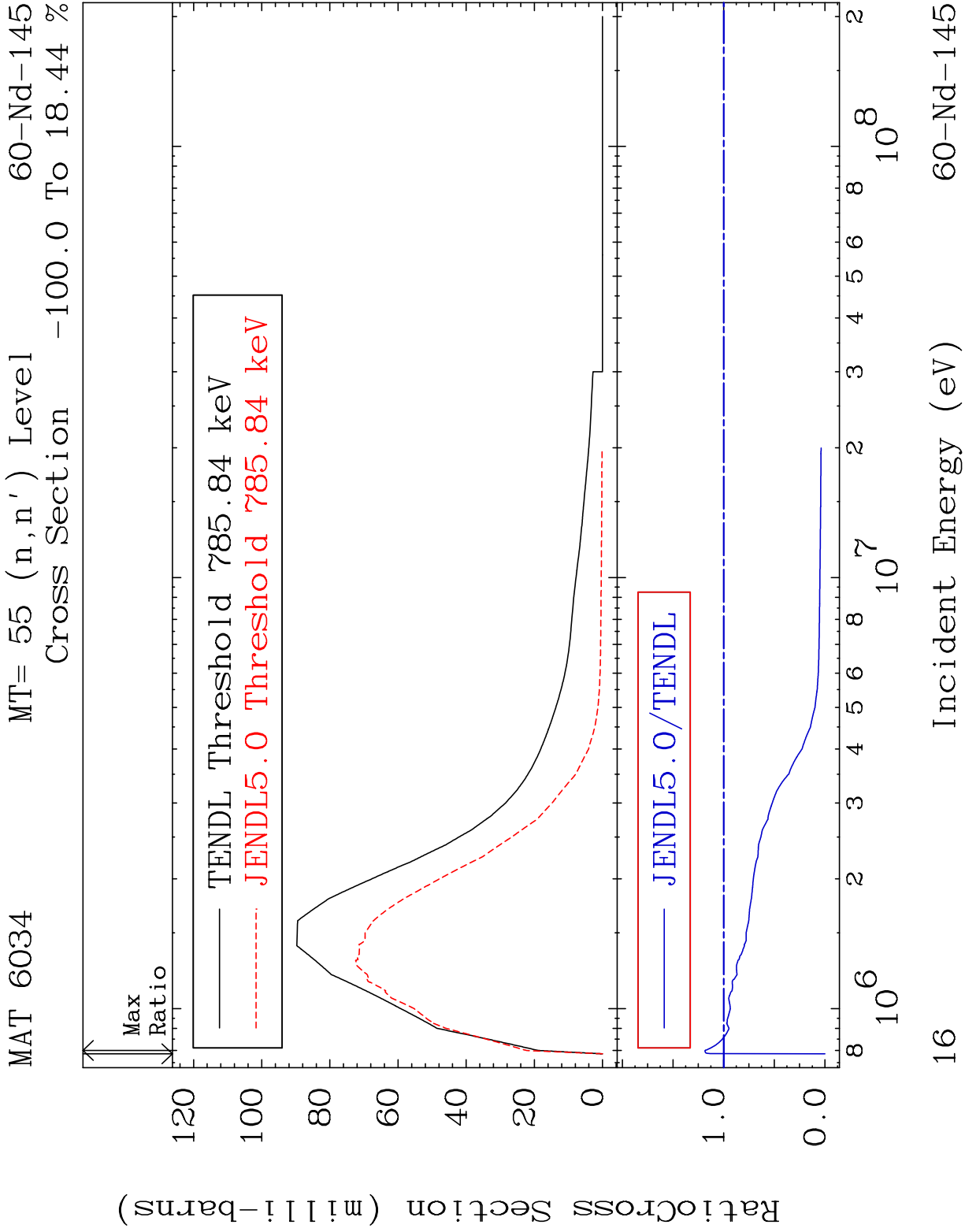




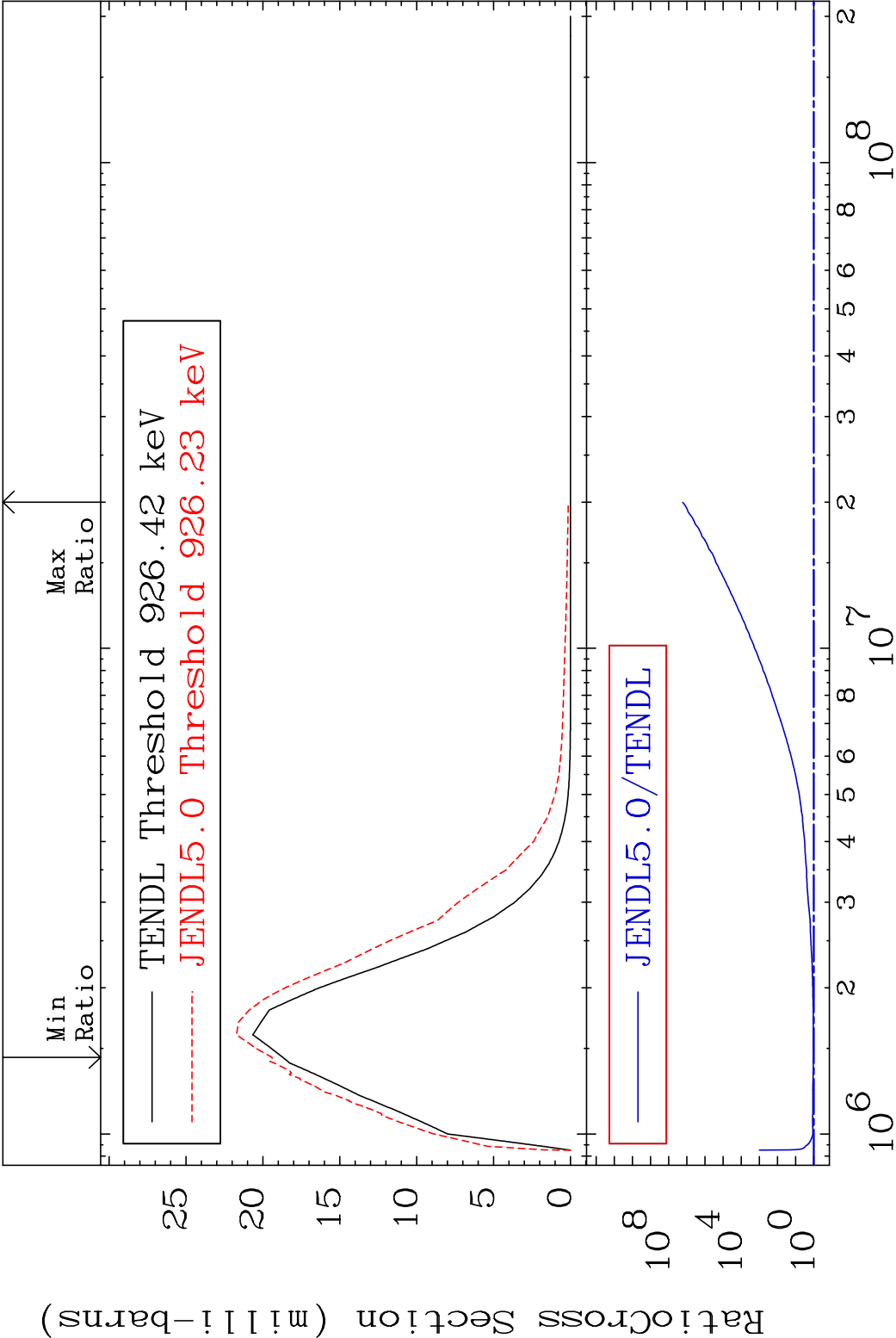






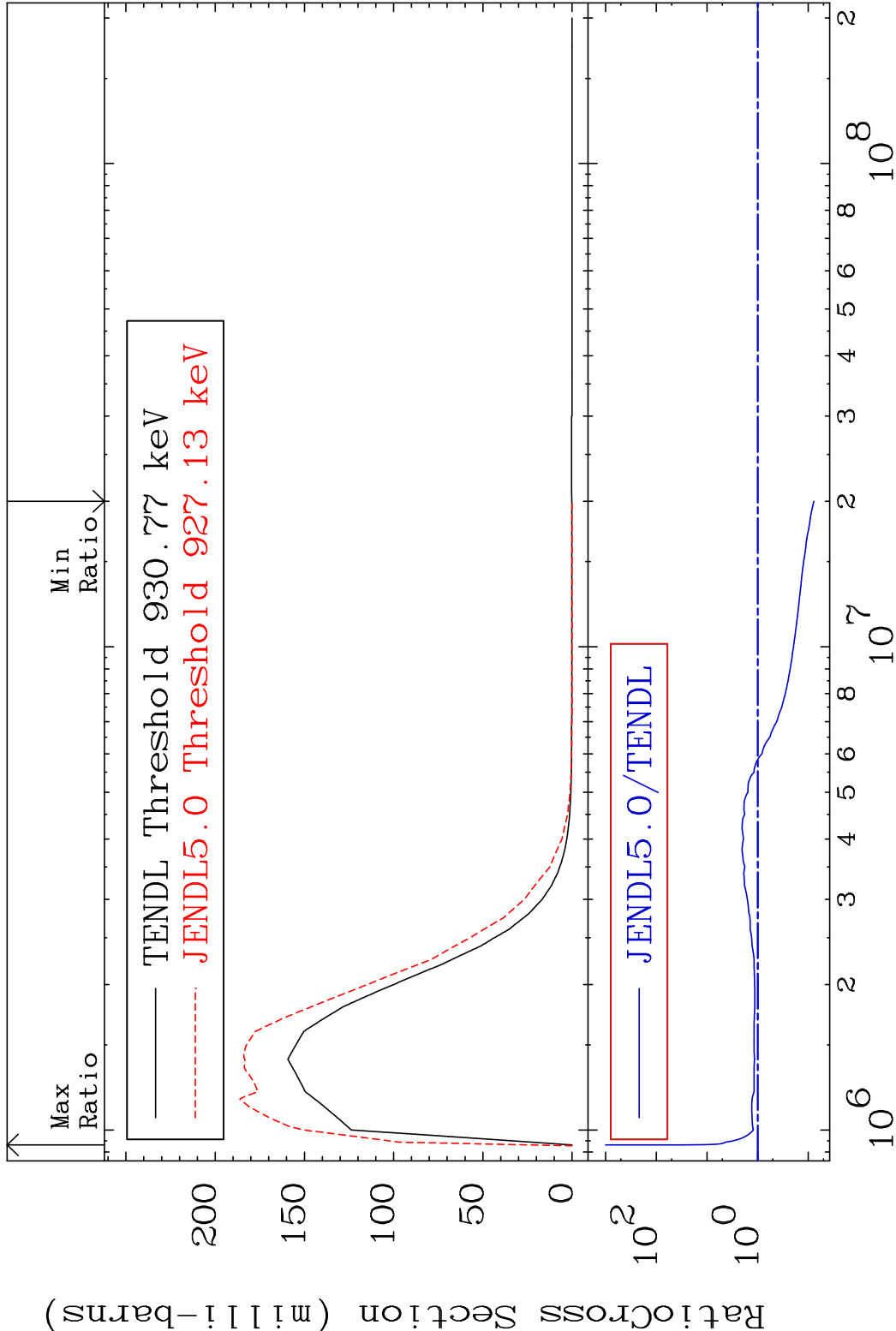


MAT 6034 MT= 56 (n,n') Level 60-Nd-145
Cross Section 3.704 To 9999. %



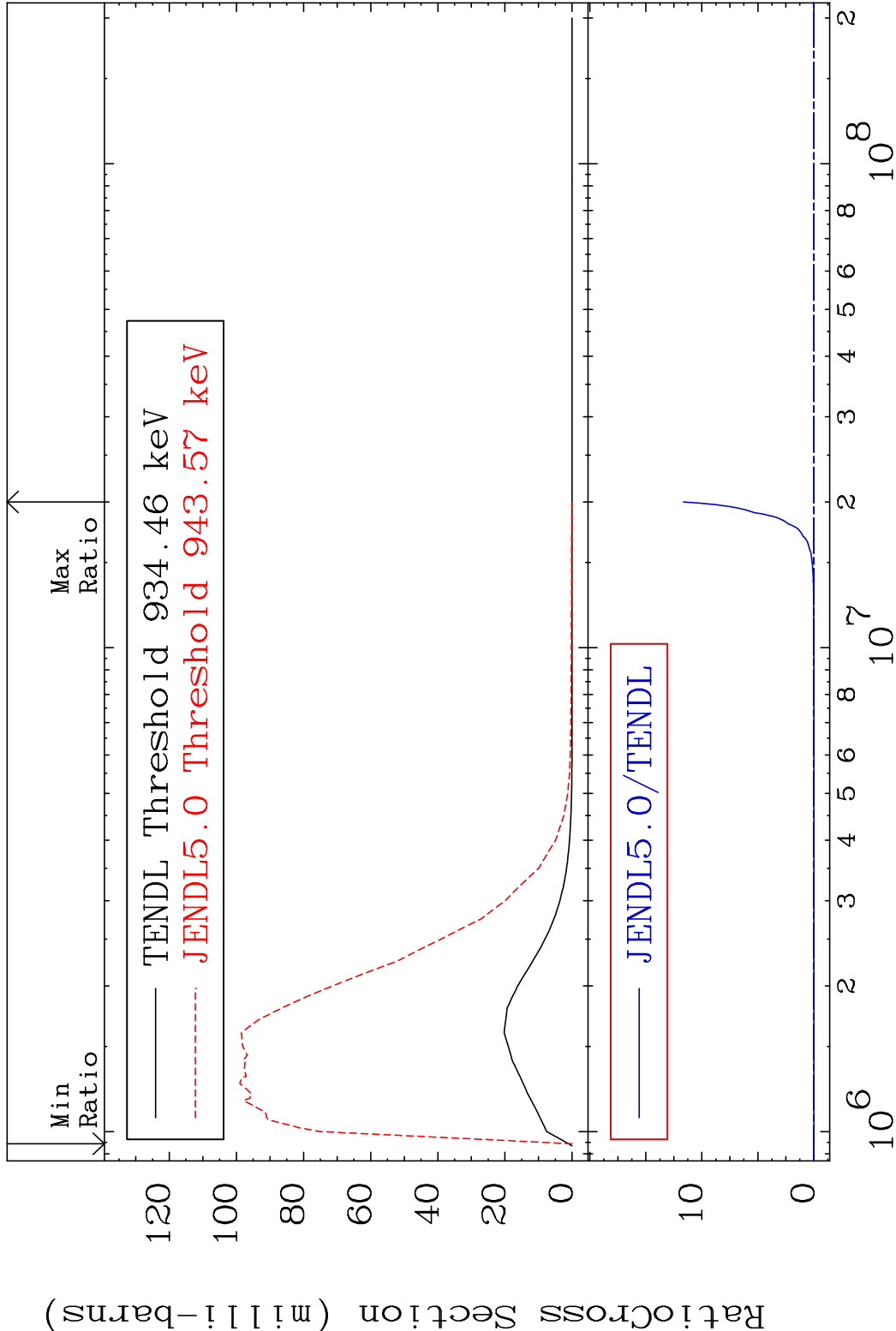
17 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 57 (n,n') Level 60-Nd-145
Cross Section -92.25 To 2814. %

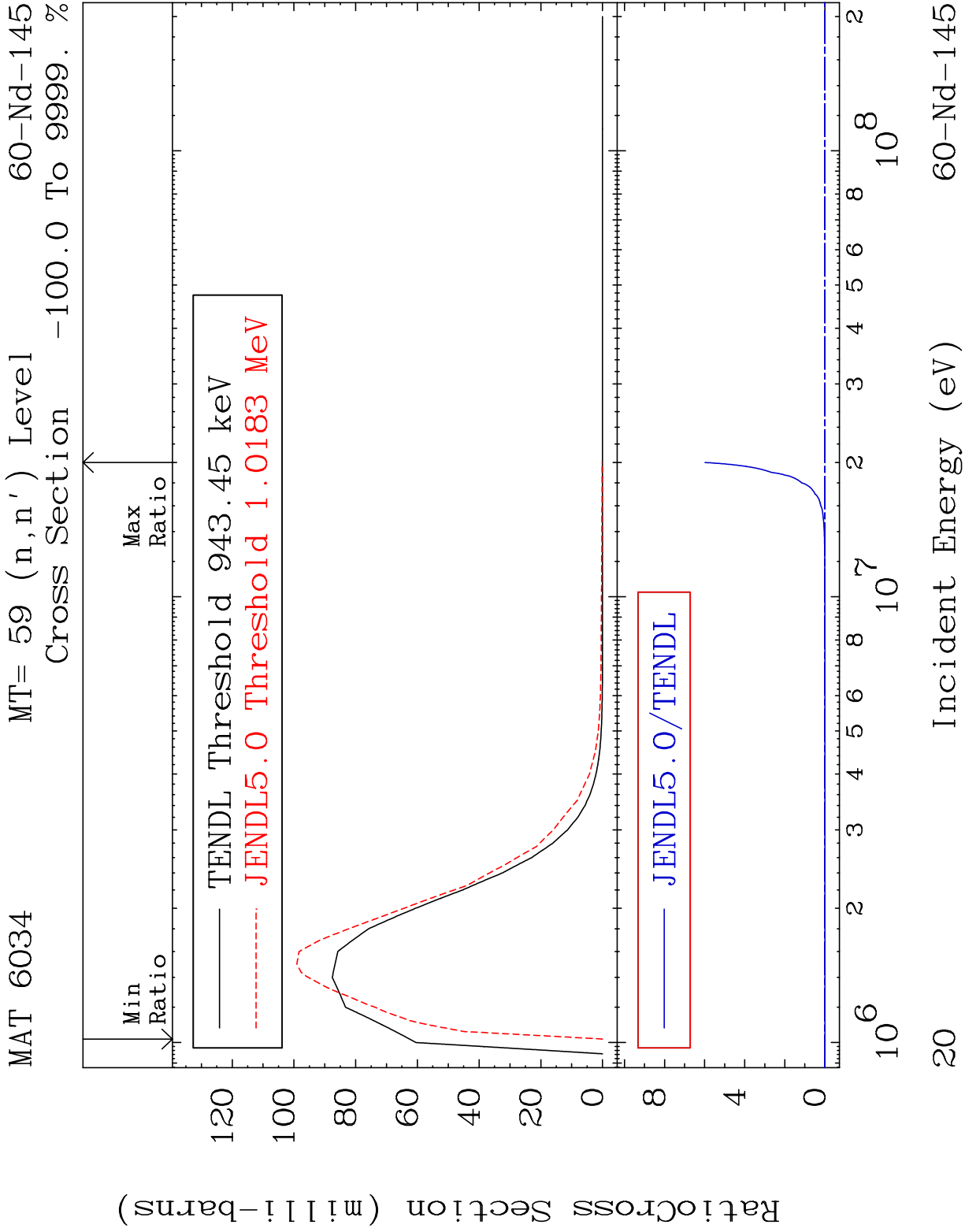


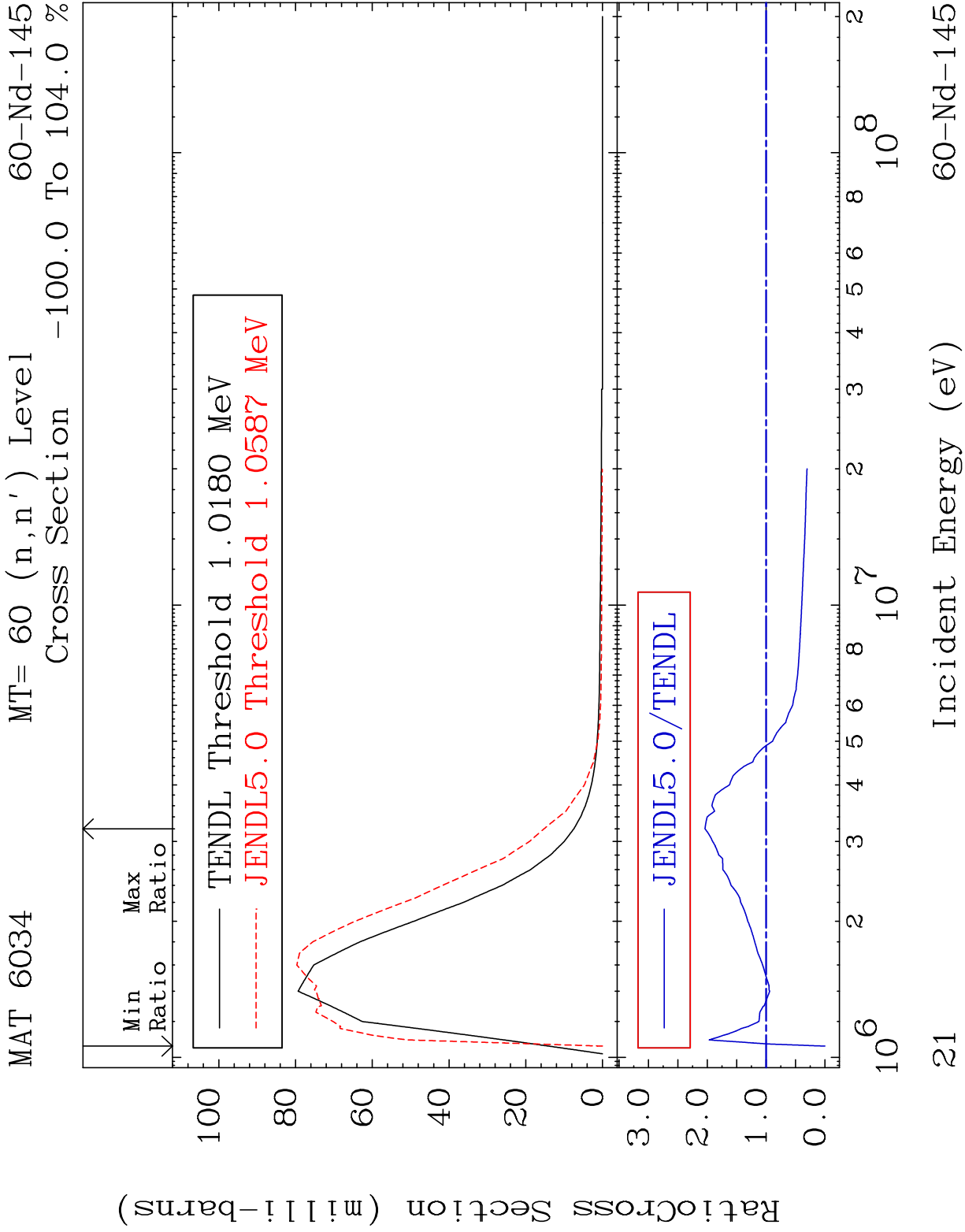
18 Incident Energy (eV) 60-Nd-145

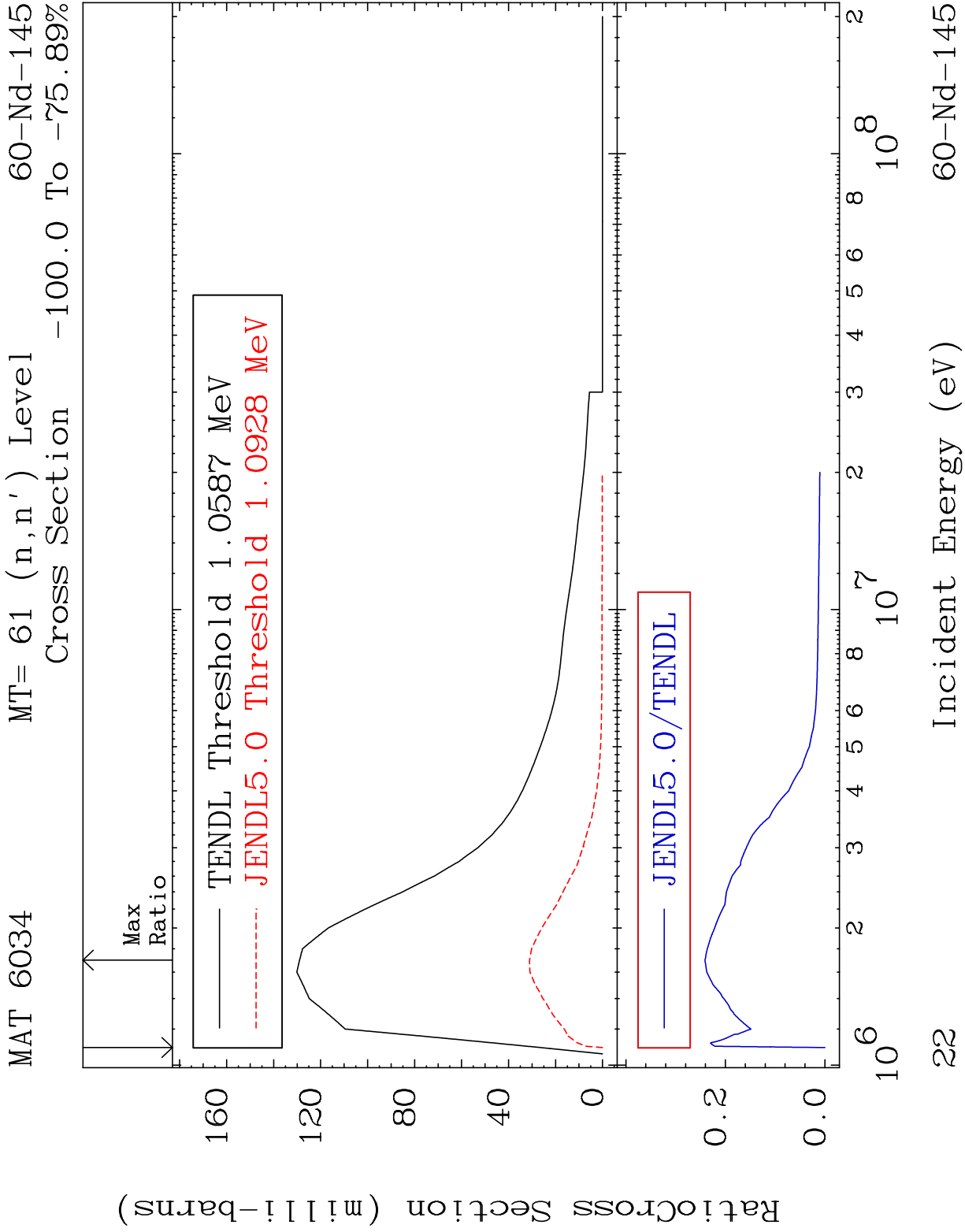
MAT 6034 MT= 58 (n,n') Level 60-Nd-145
Cross Section -100.0 To 9999. %

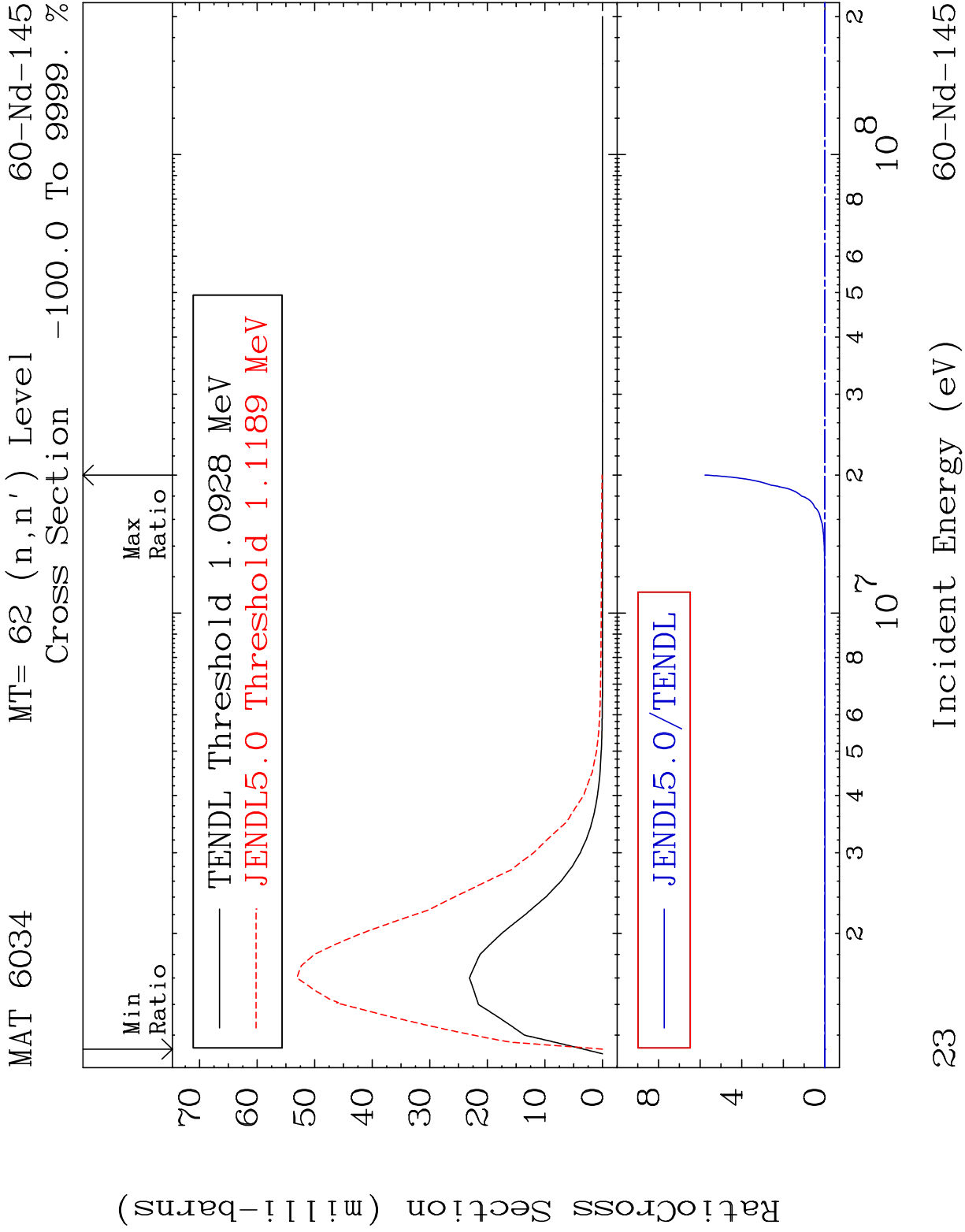


19 Incident Energy (eV) 60-Nd-145

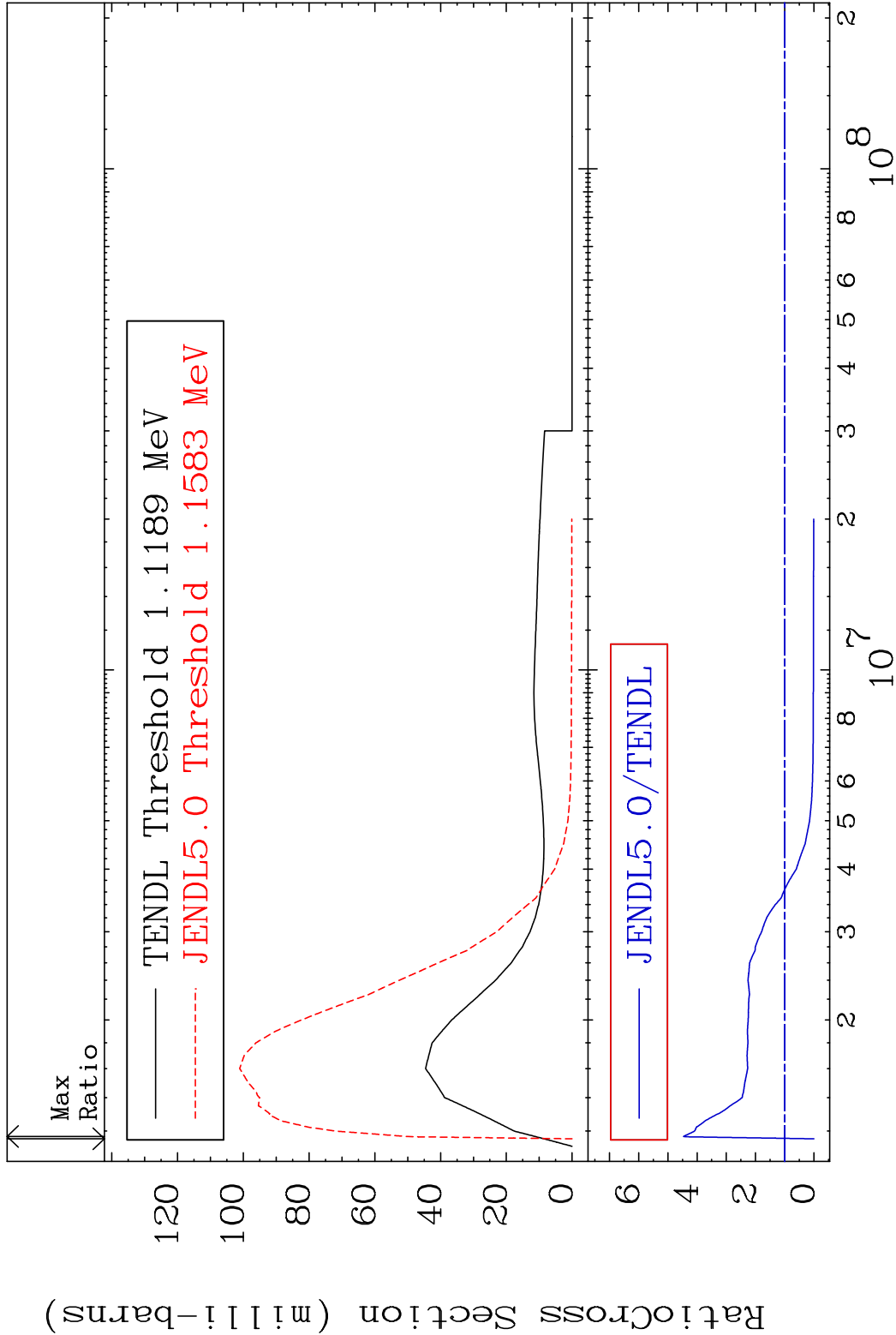


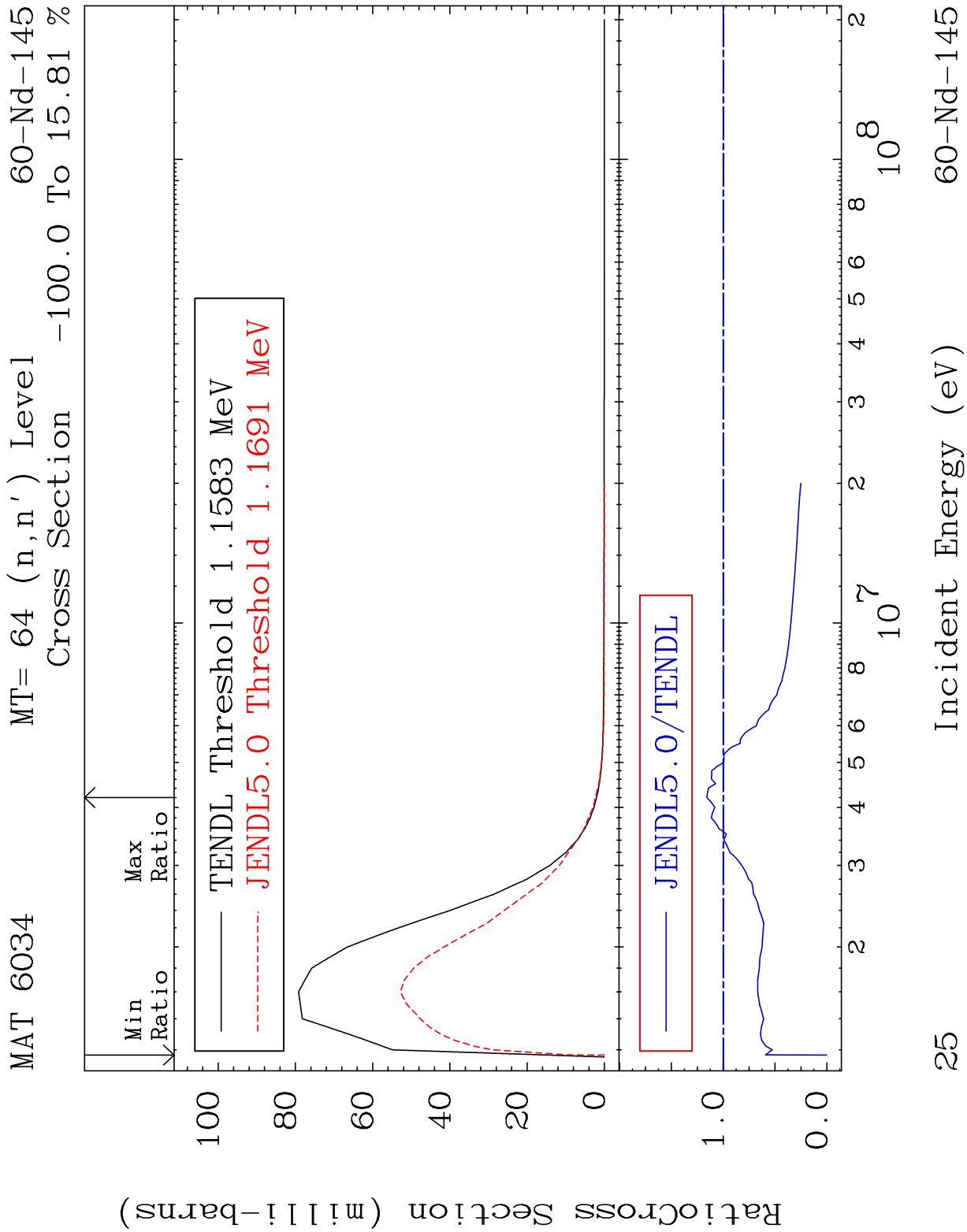


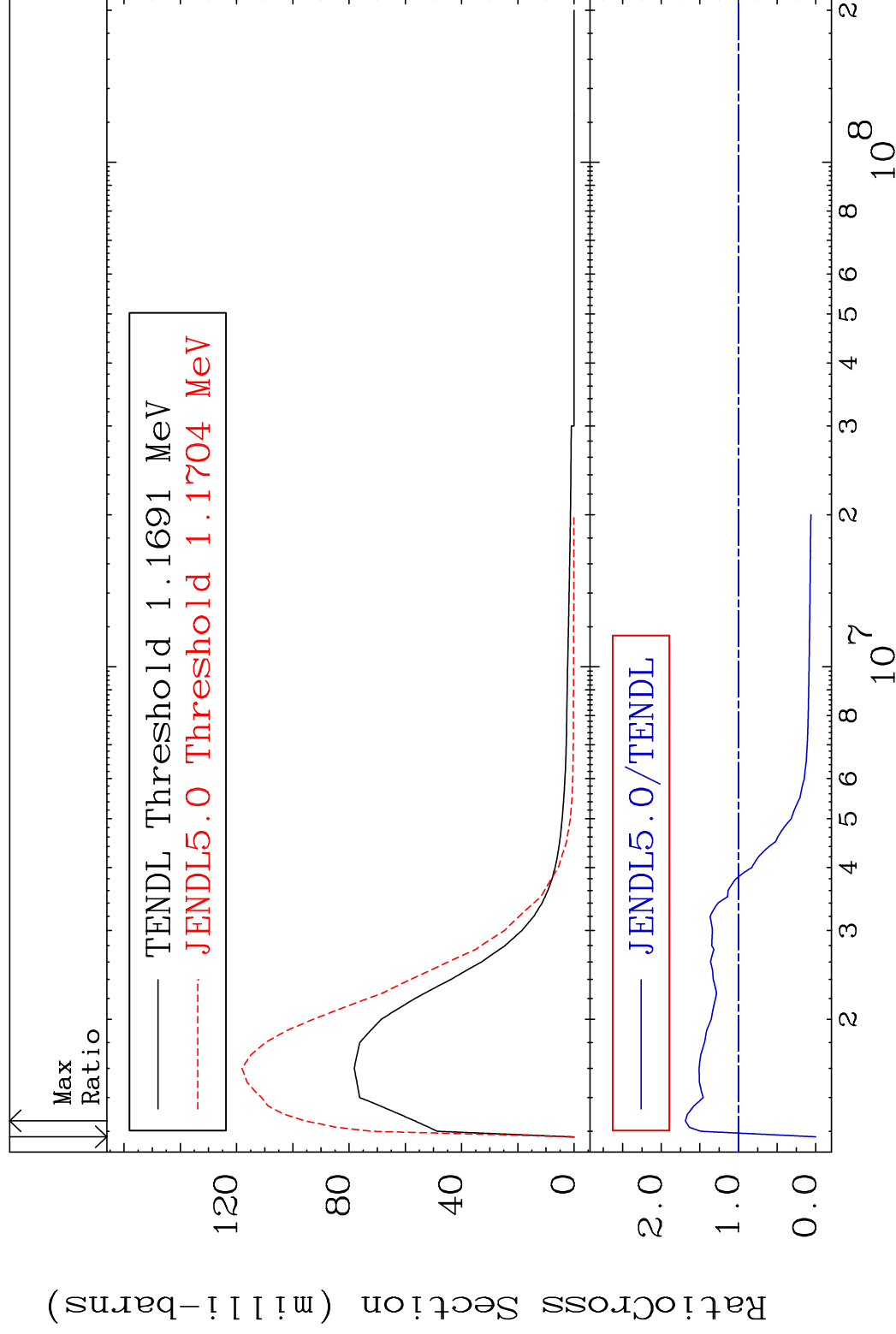


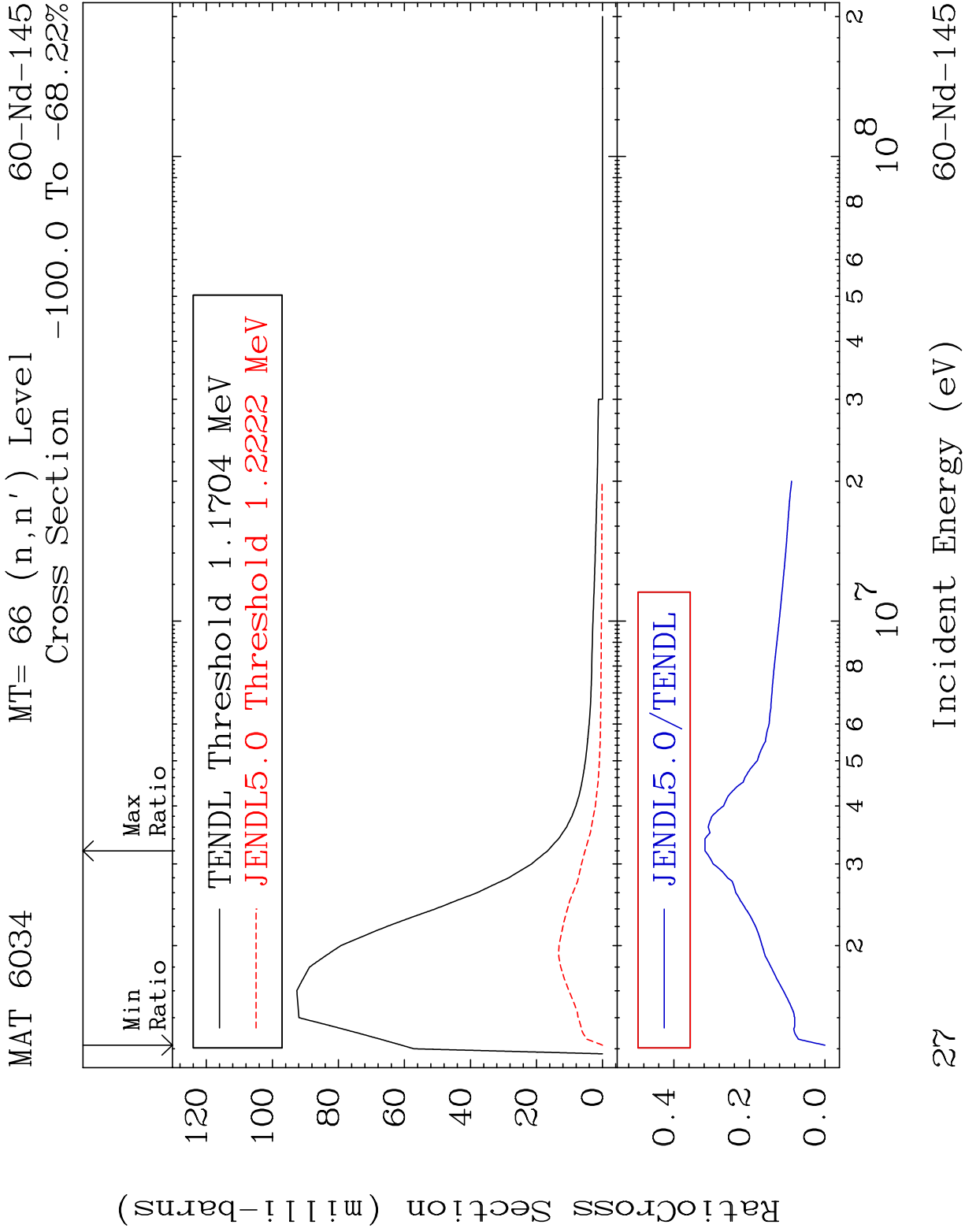


MAT 6034 MT= 63 (n,n') Level 60-Nd-145
Cross Section -100.0 To 346.7 %

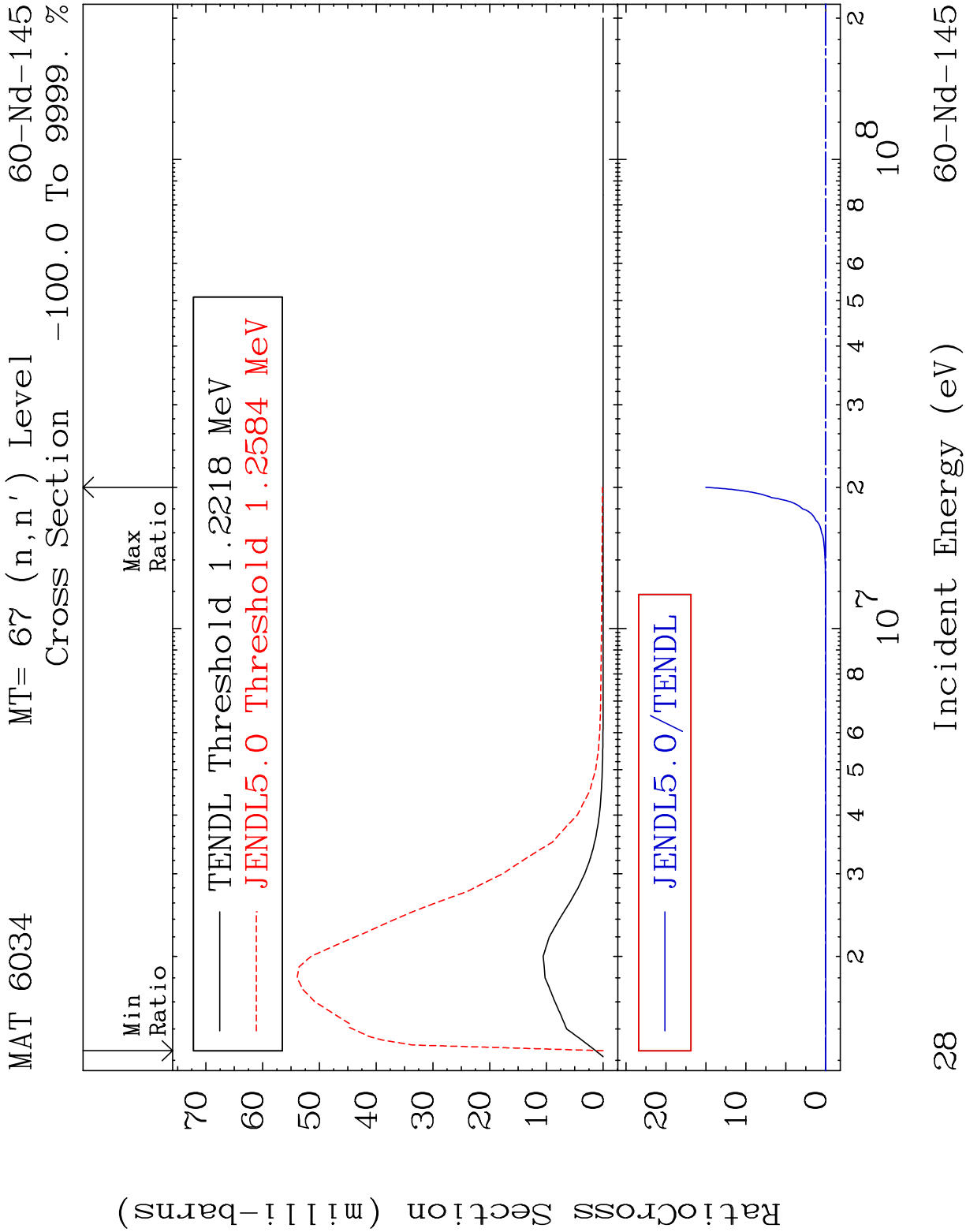


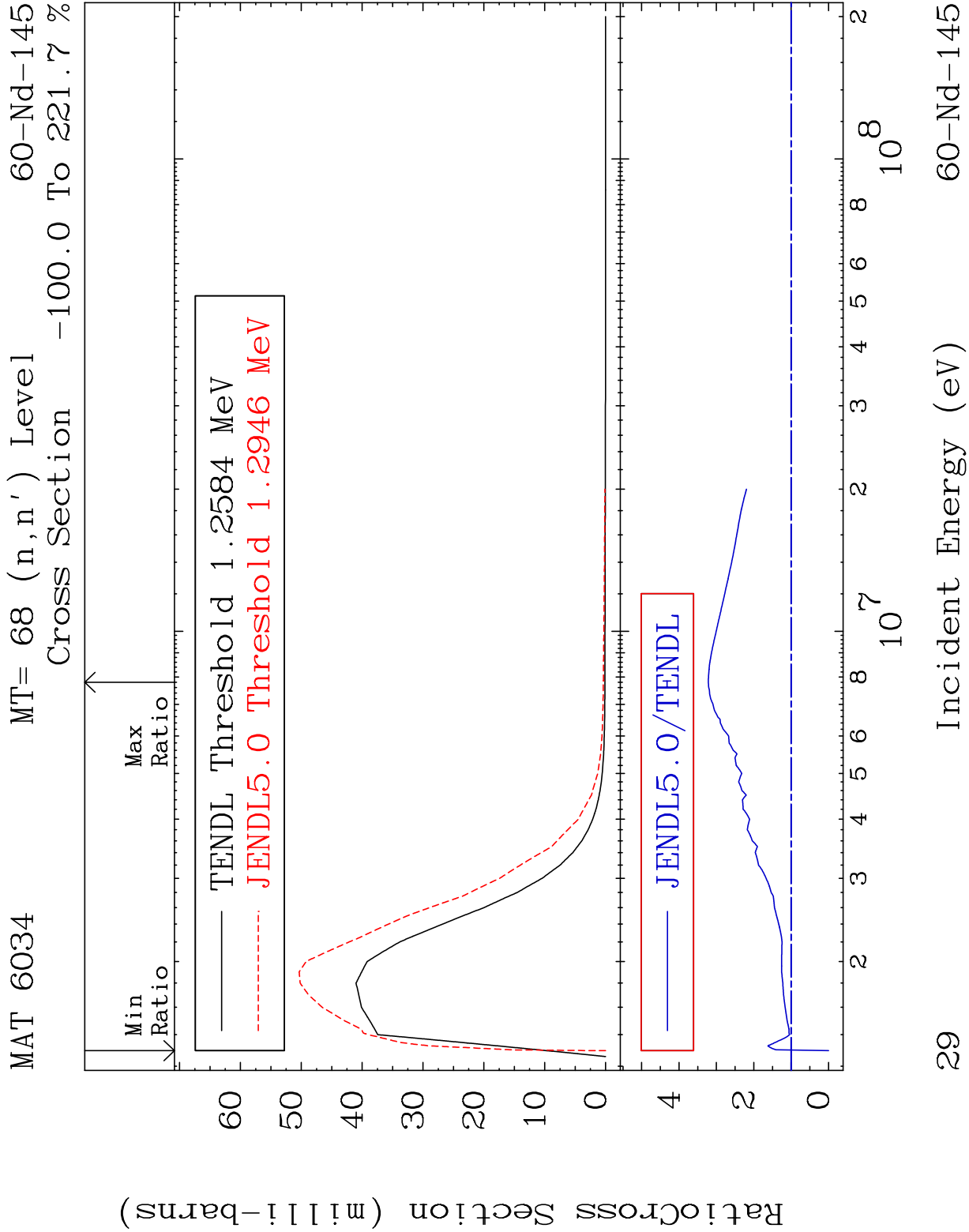


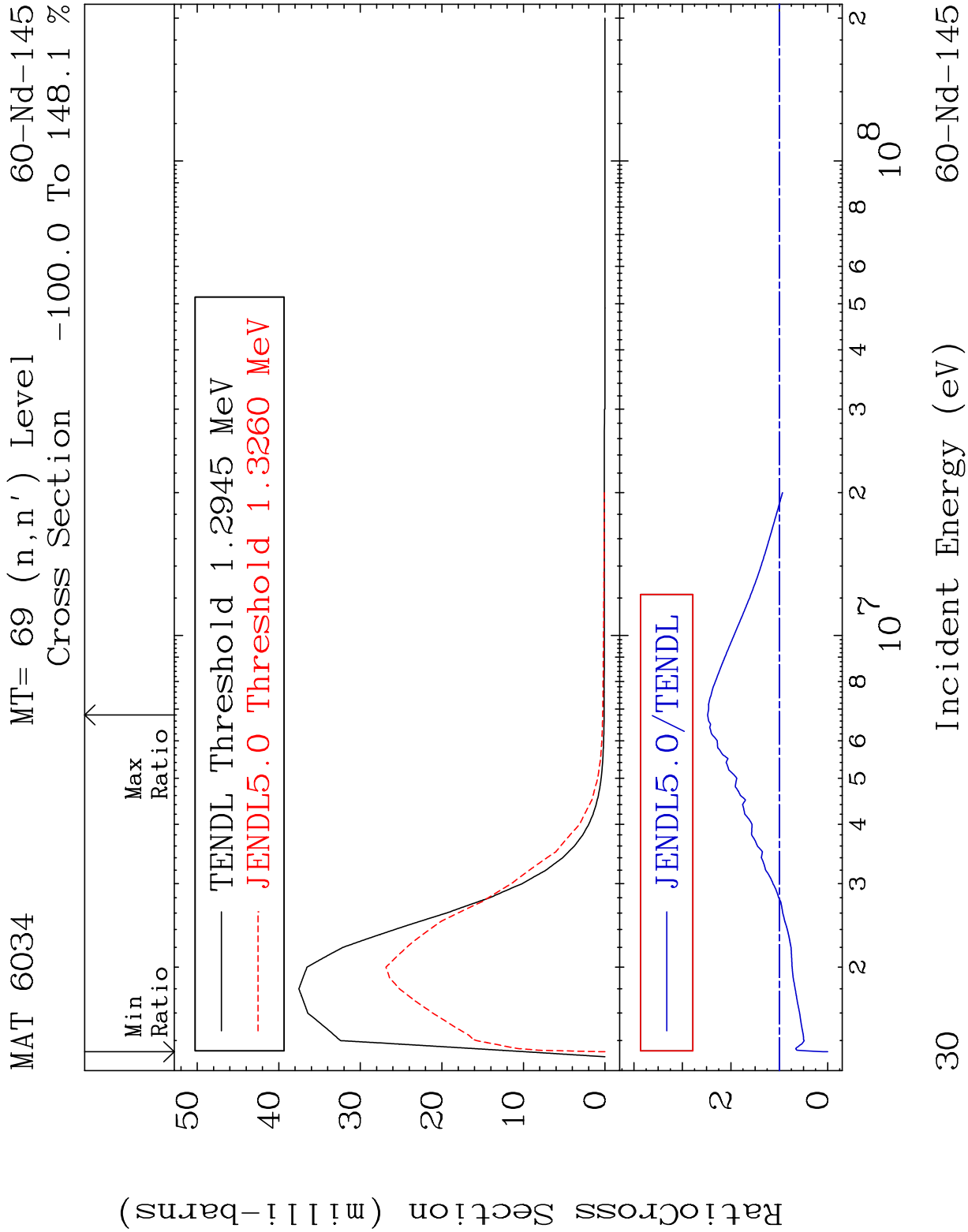


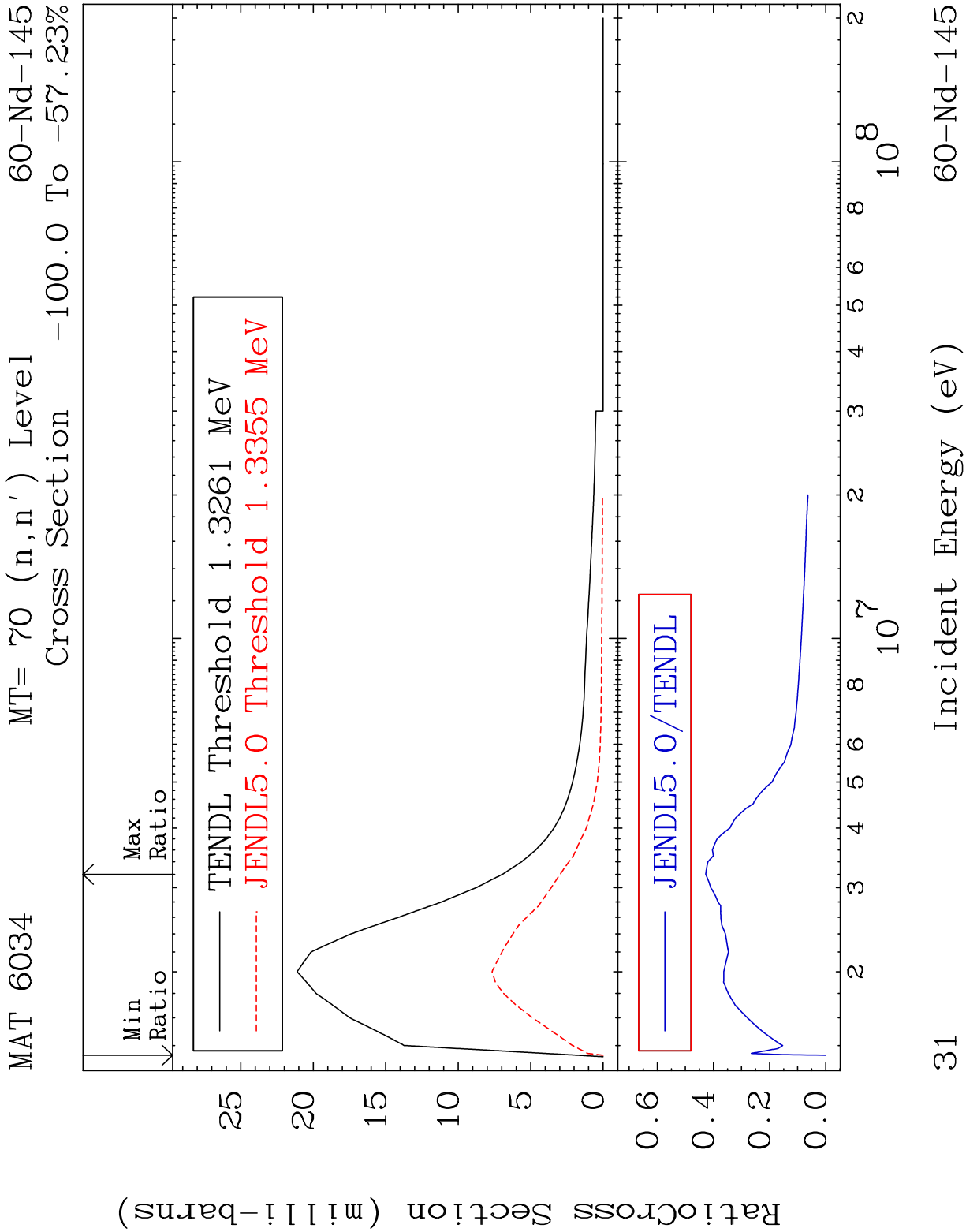


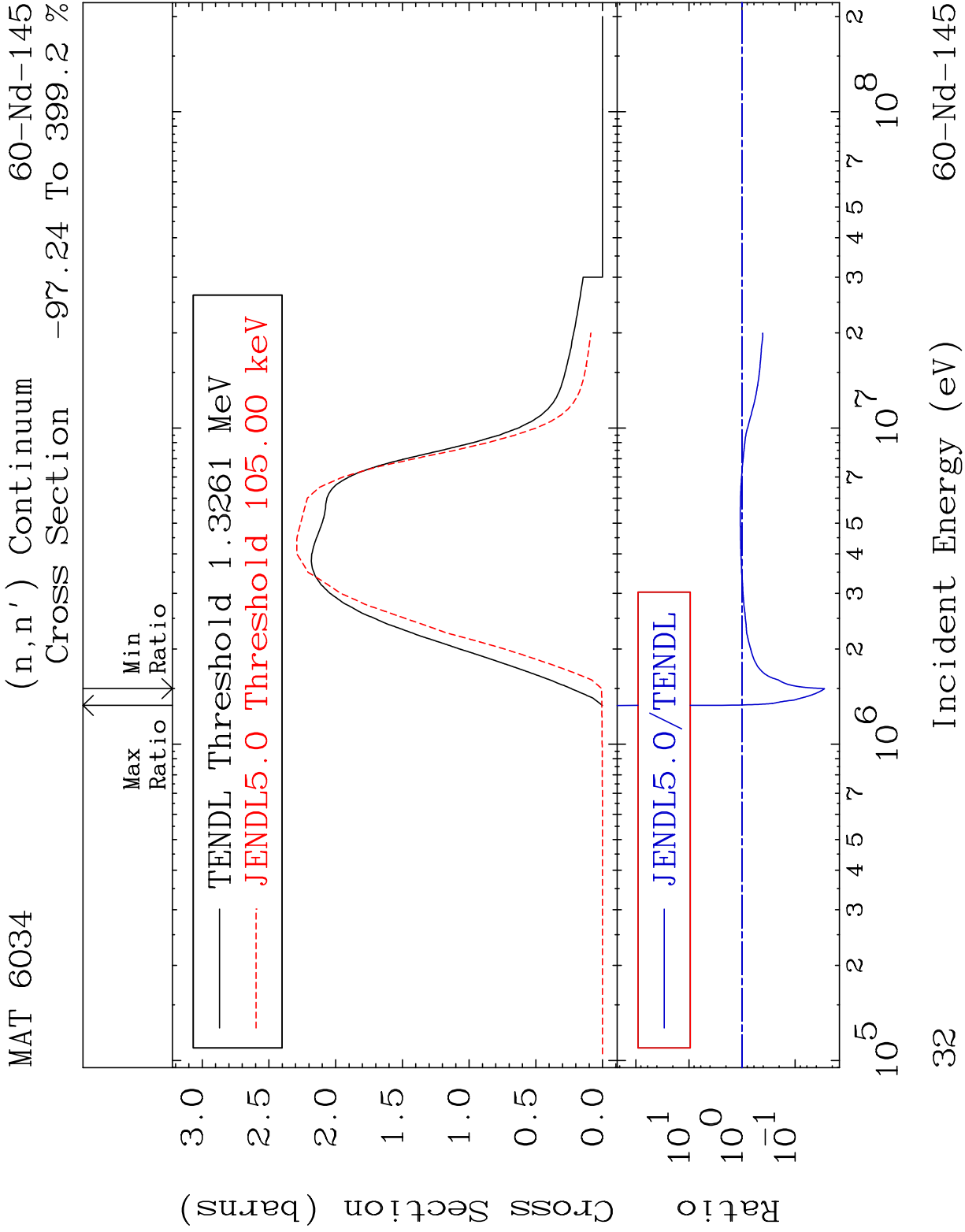
RatioCross Section (milli-barns)

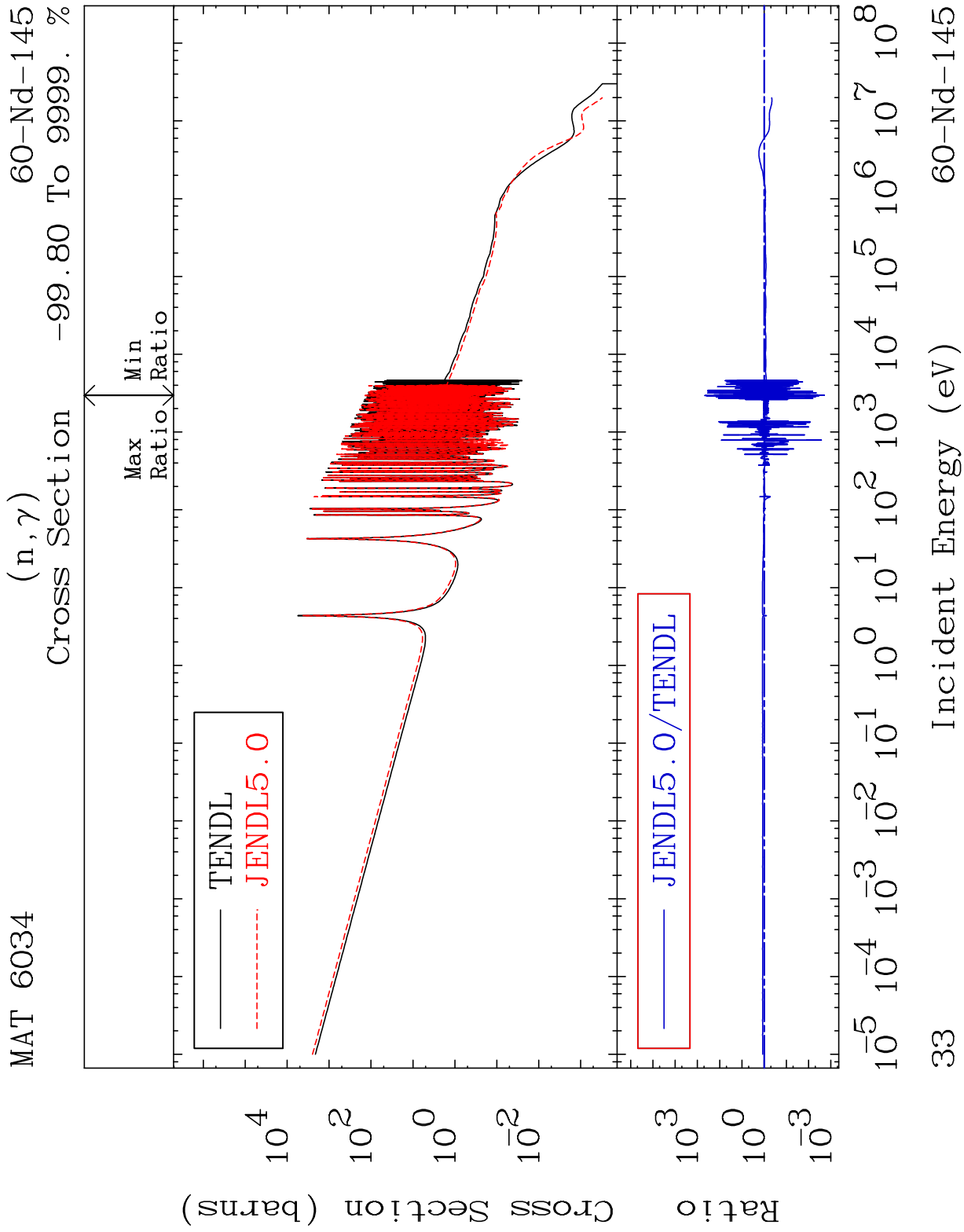










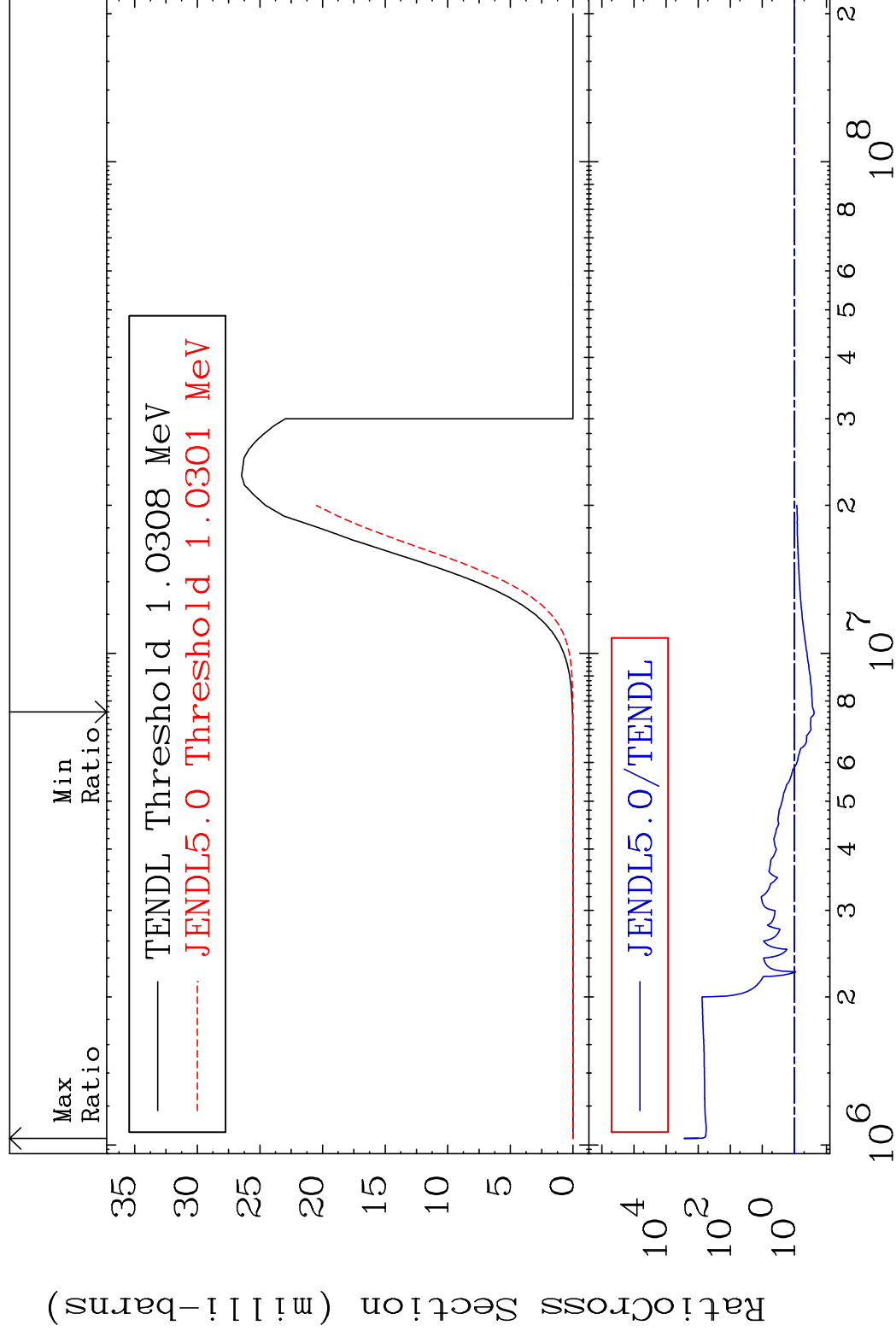


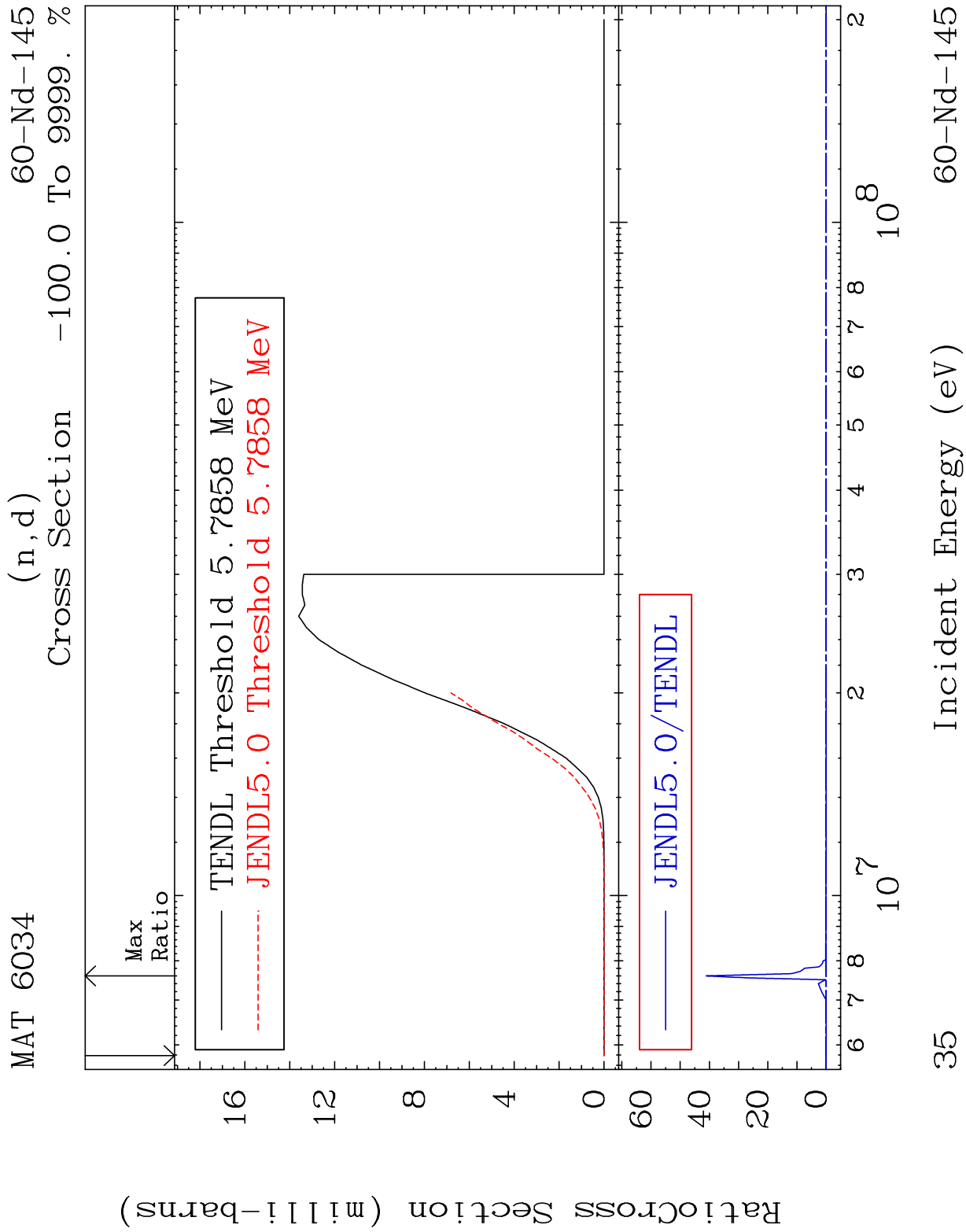
MAT 6034

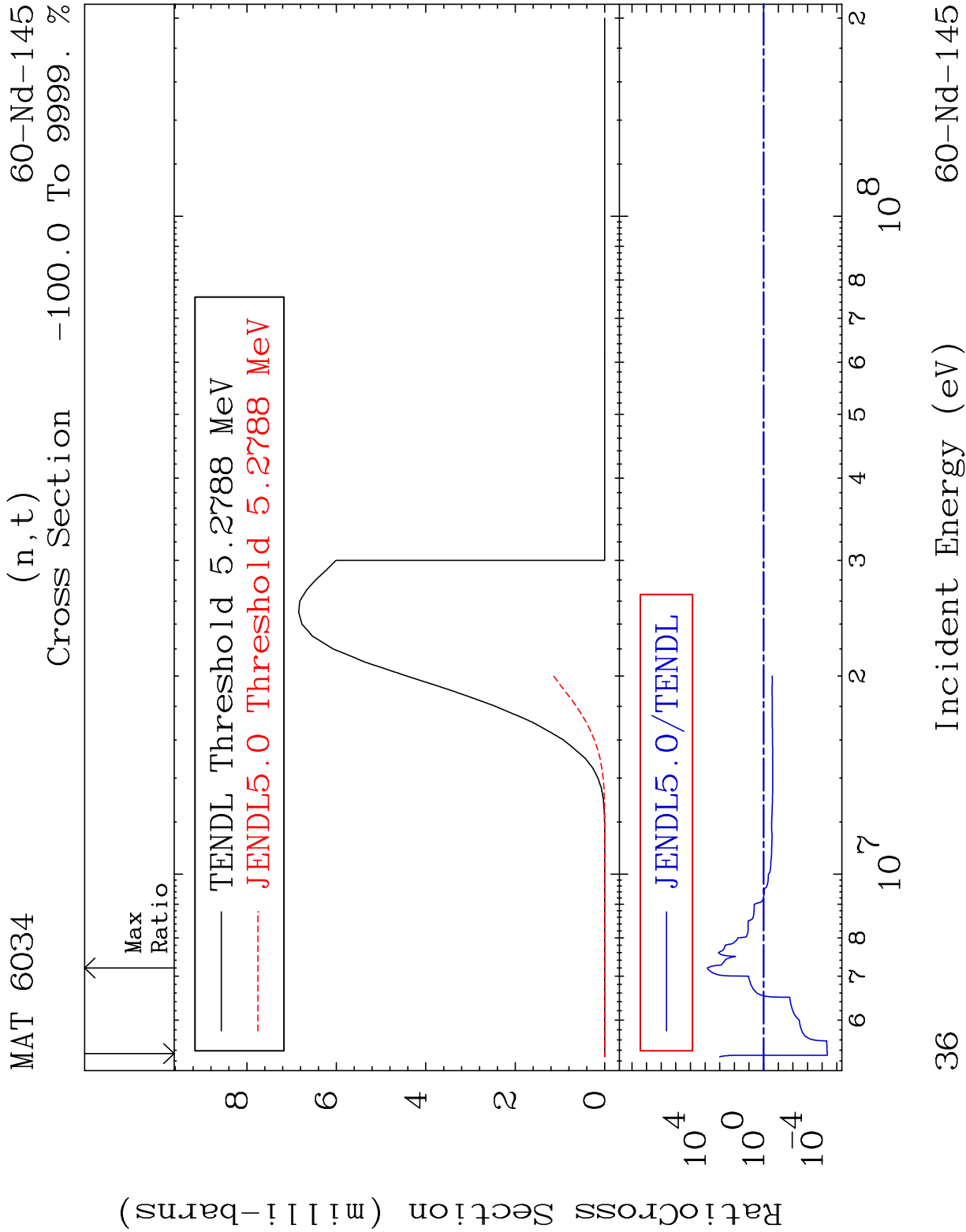
$$(n, p)$$

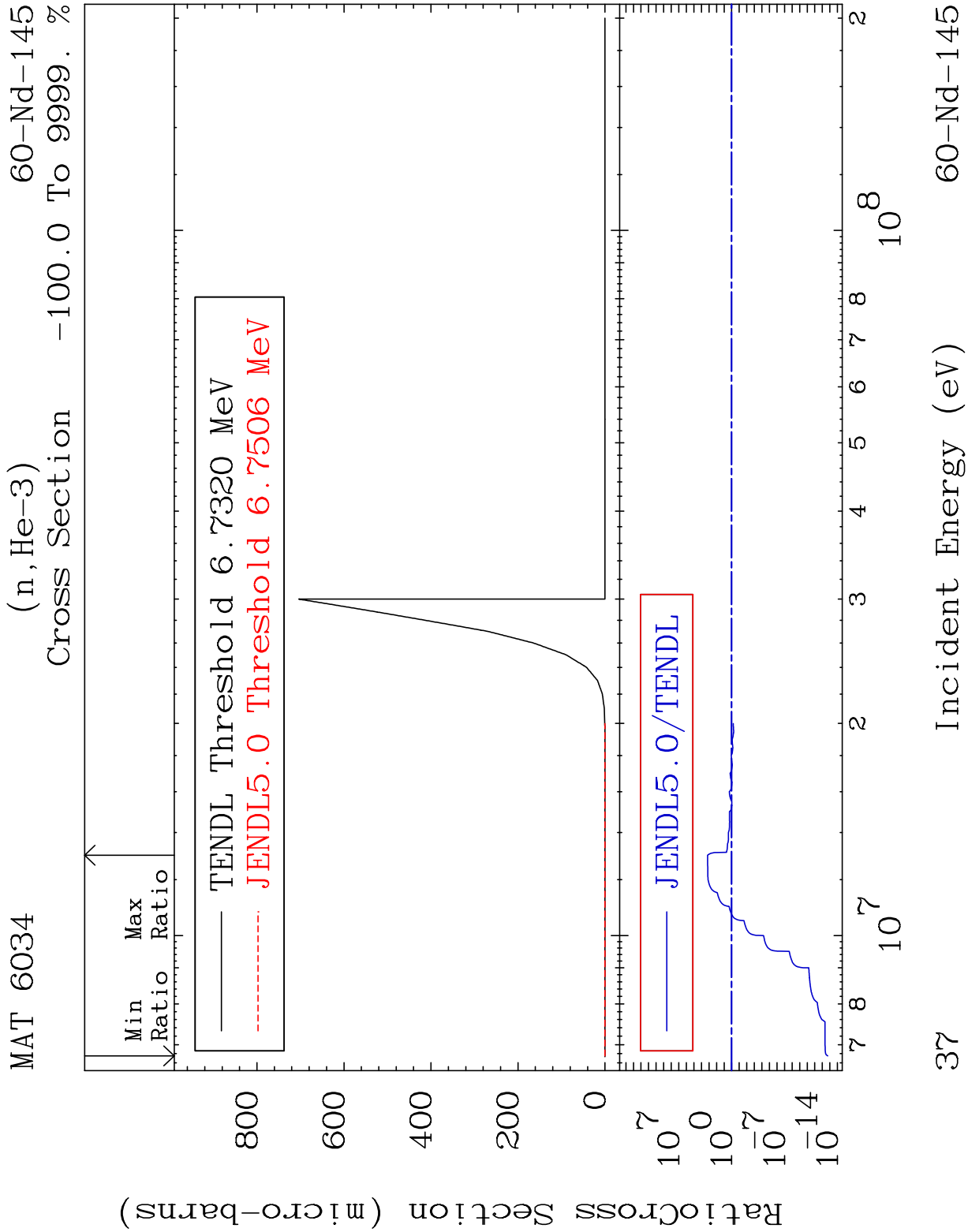
60-Nd-145

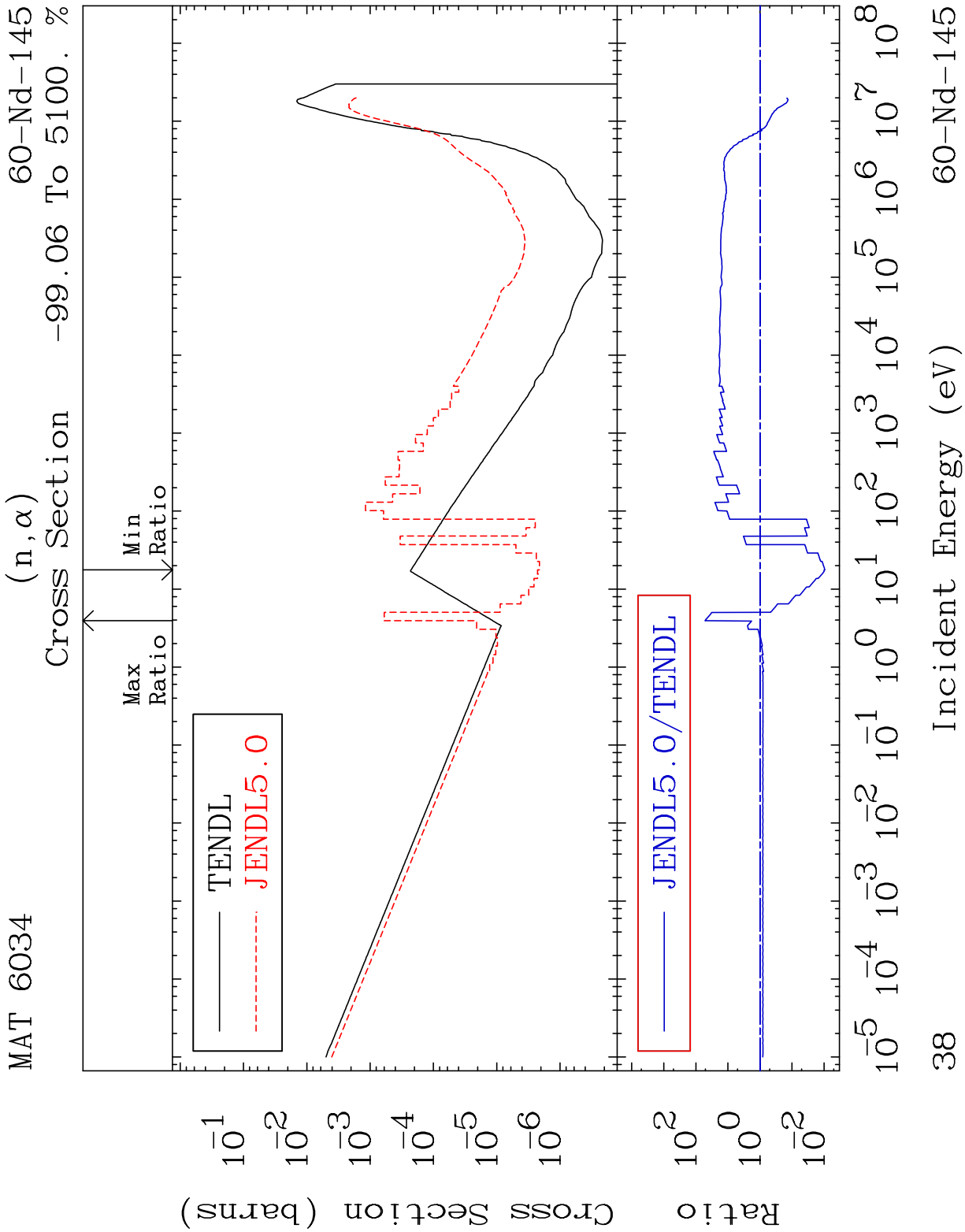
Cross Section -75.76 To 9999. %

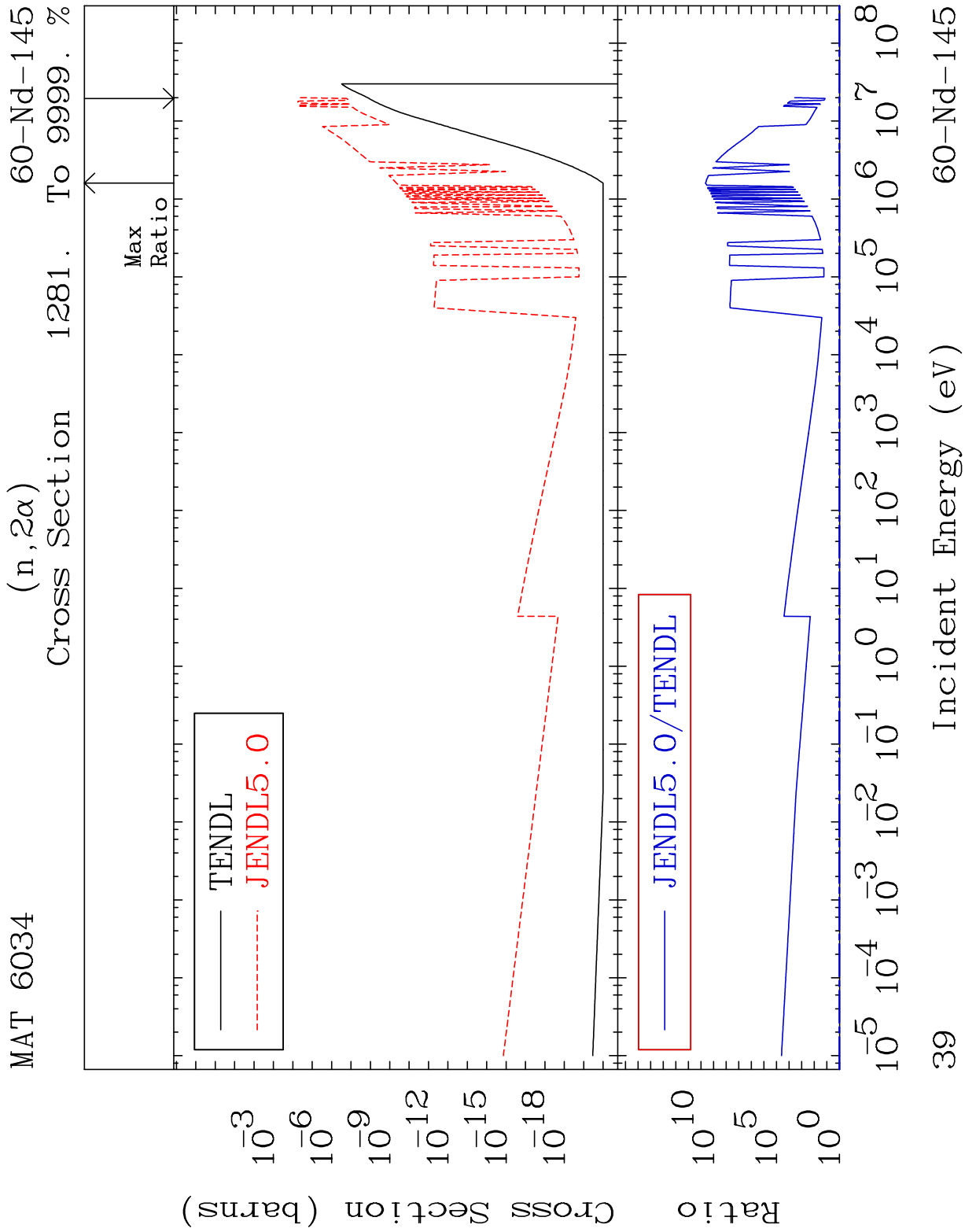


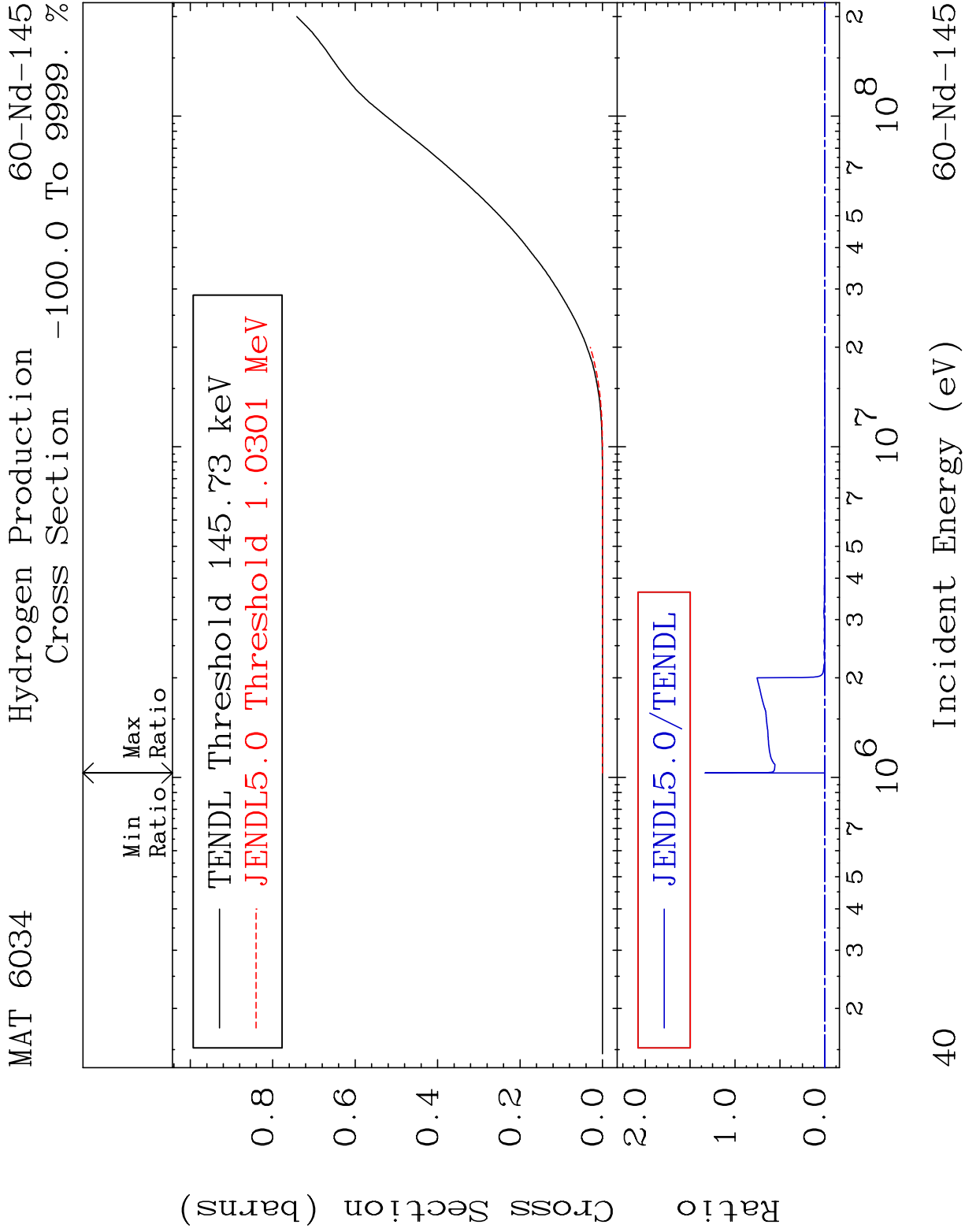


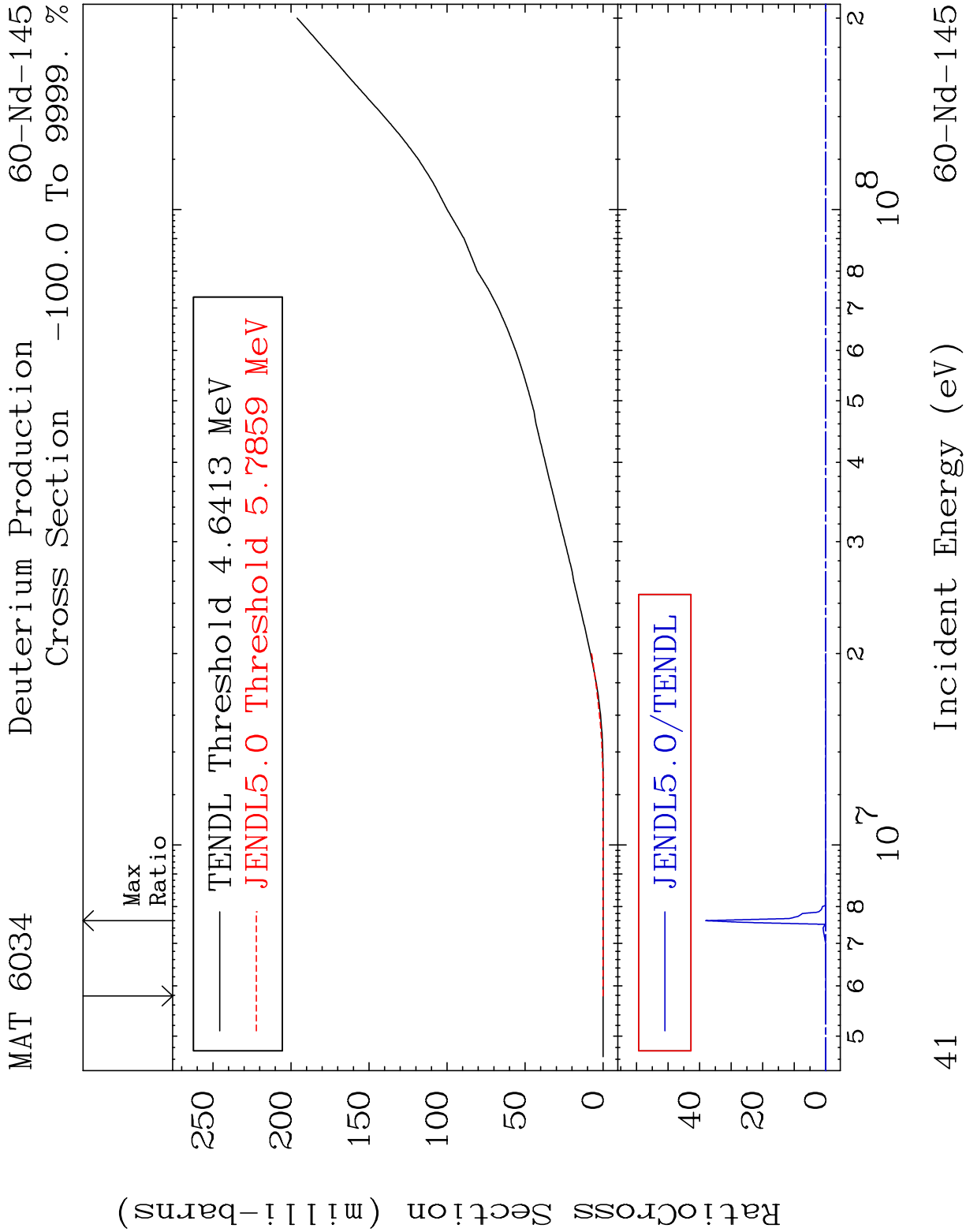


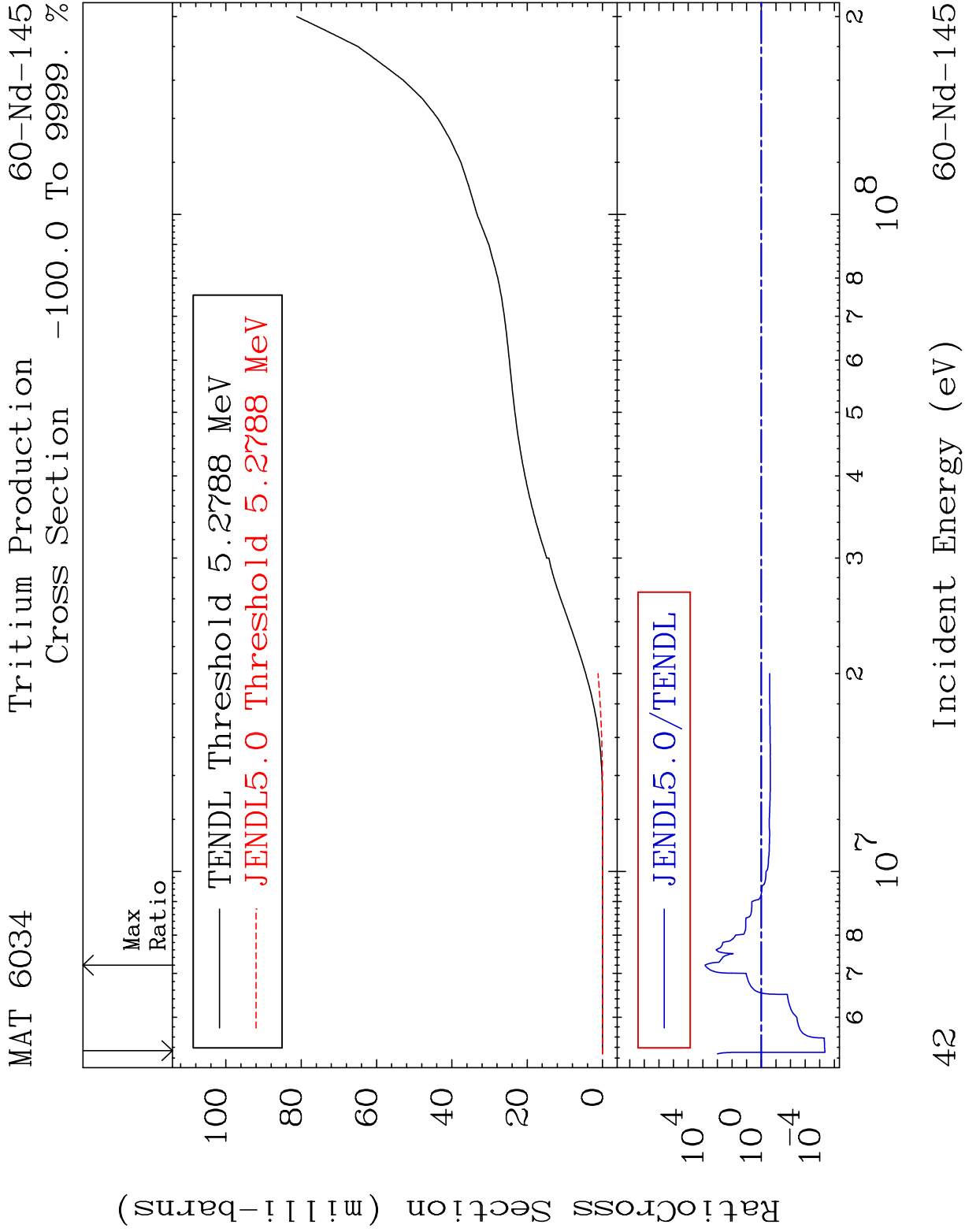


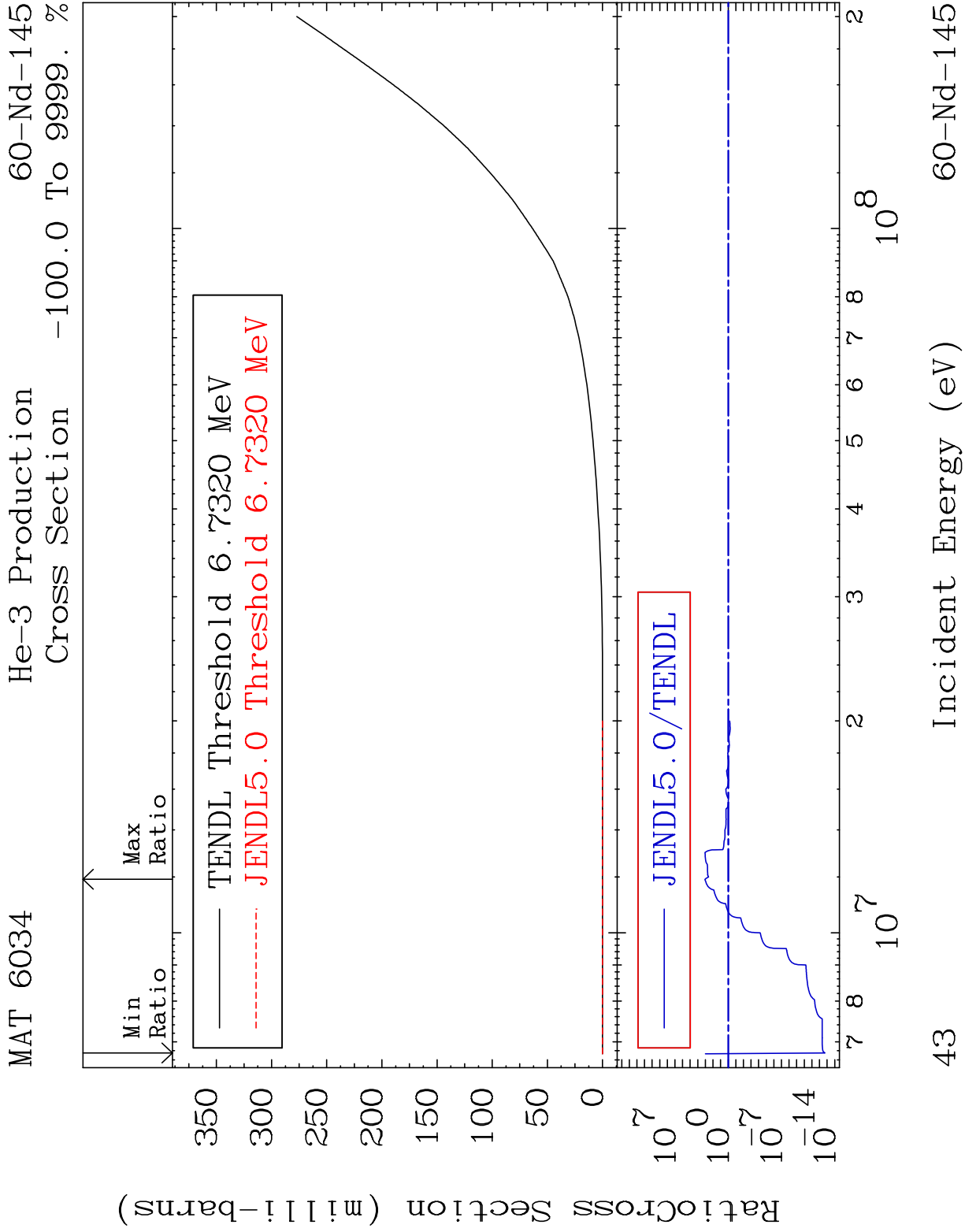


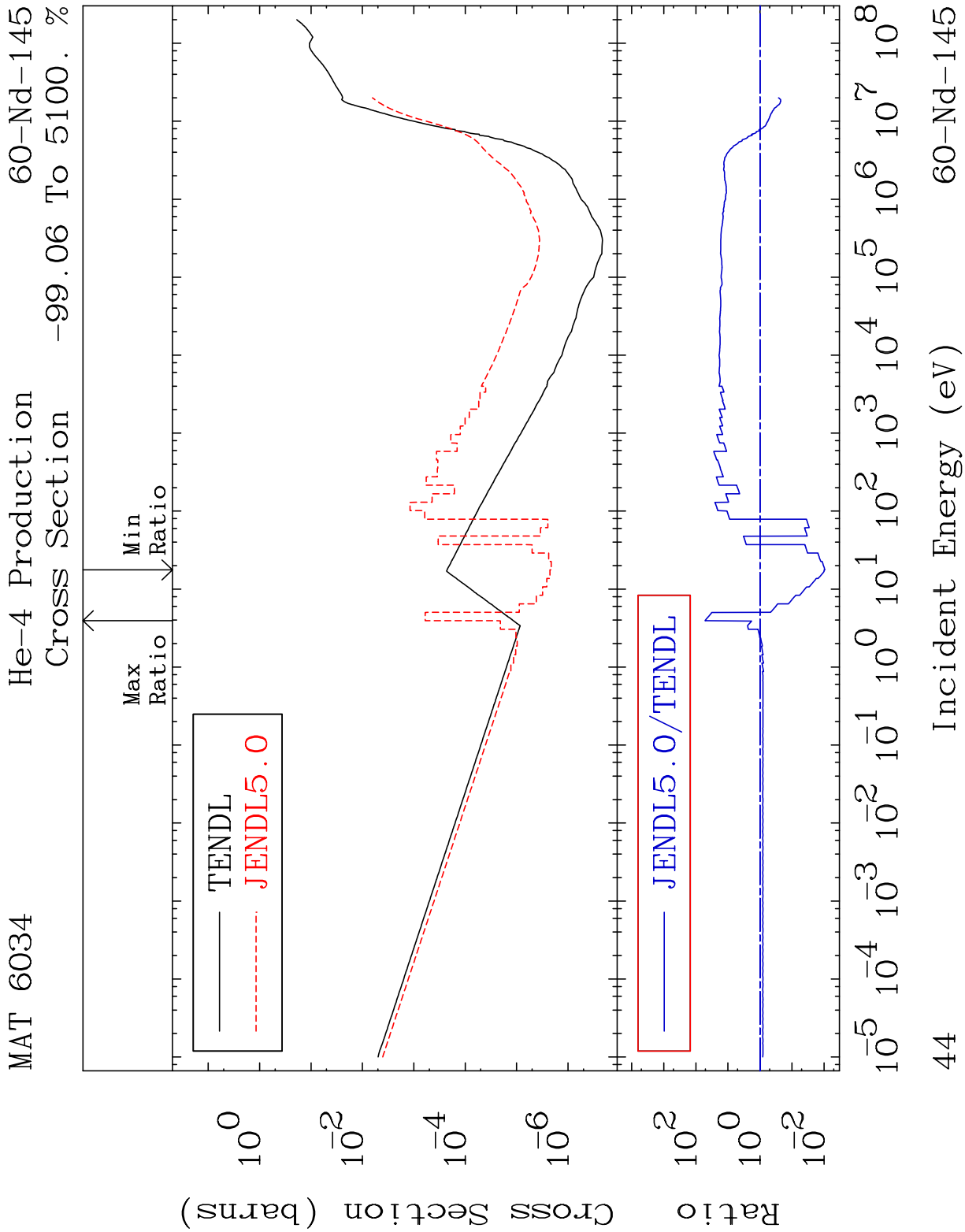


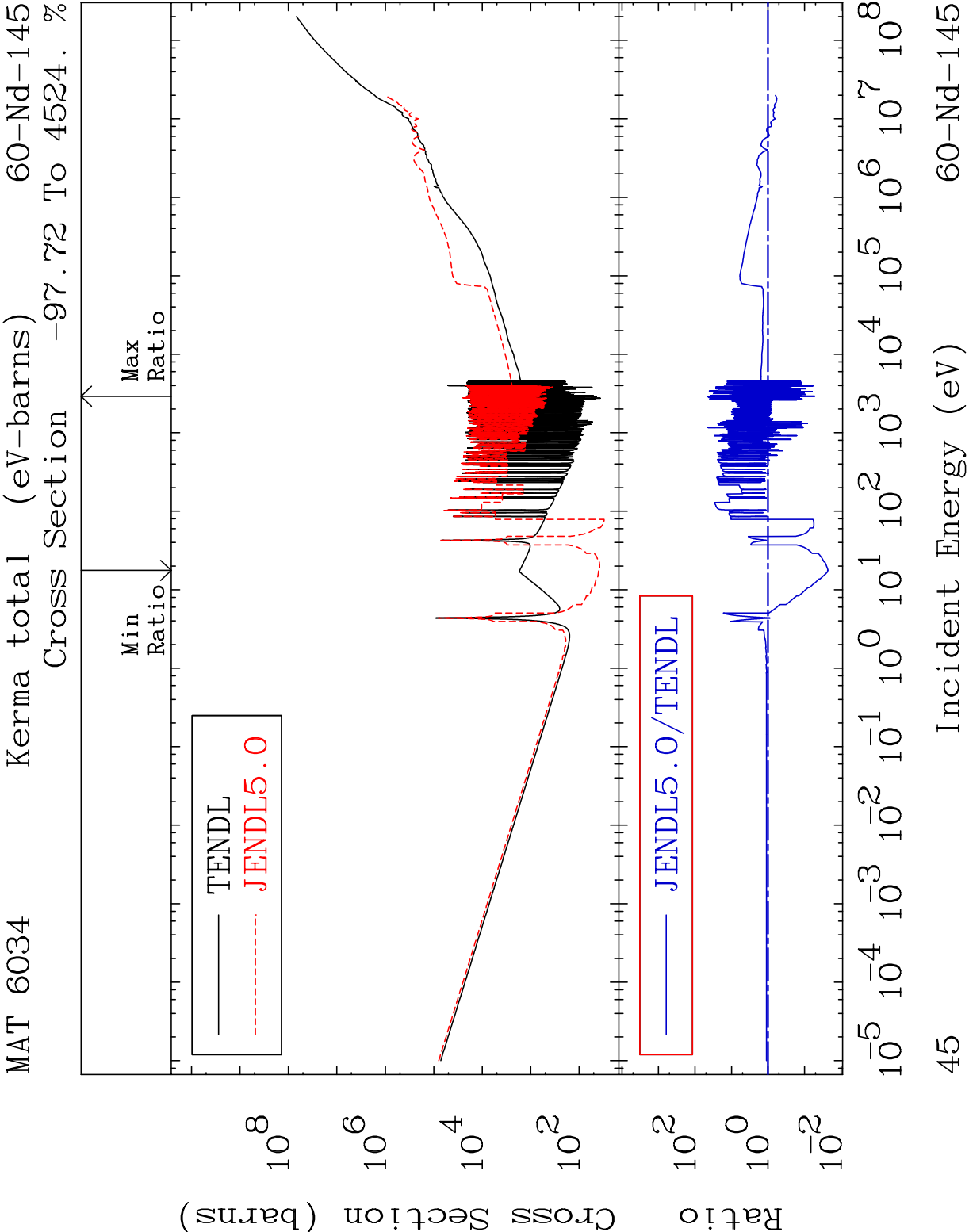


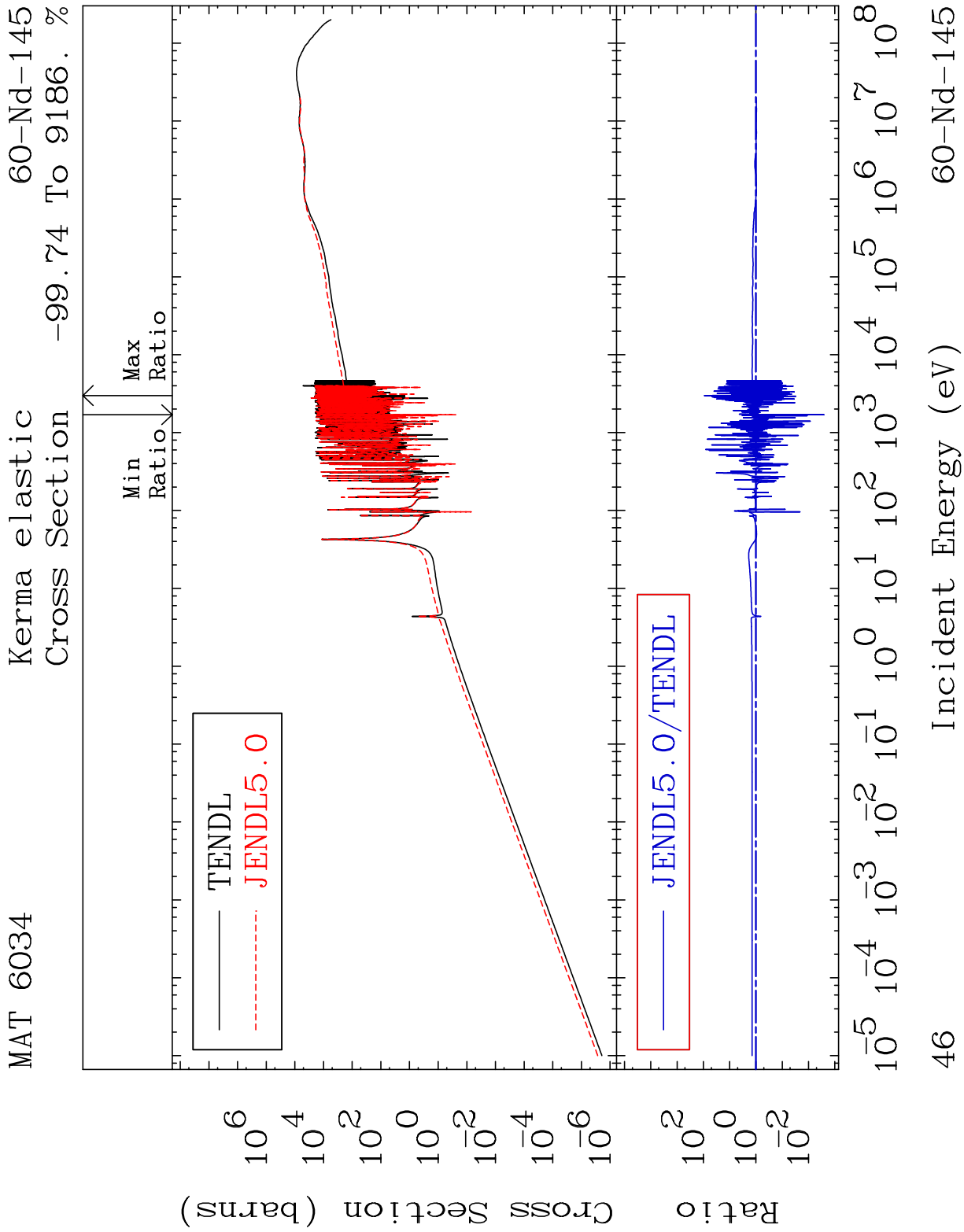




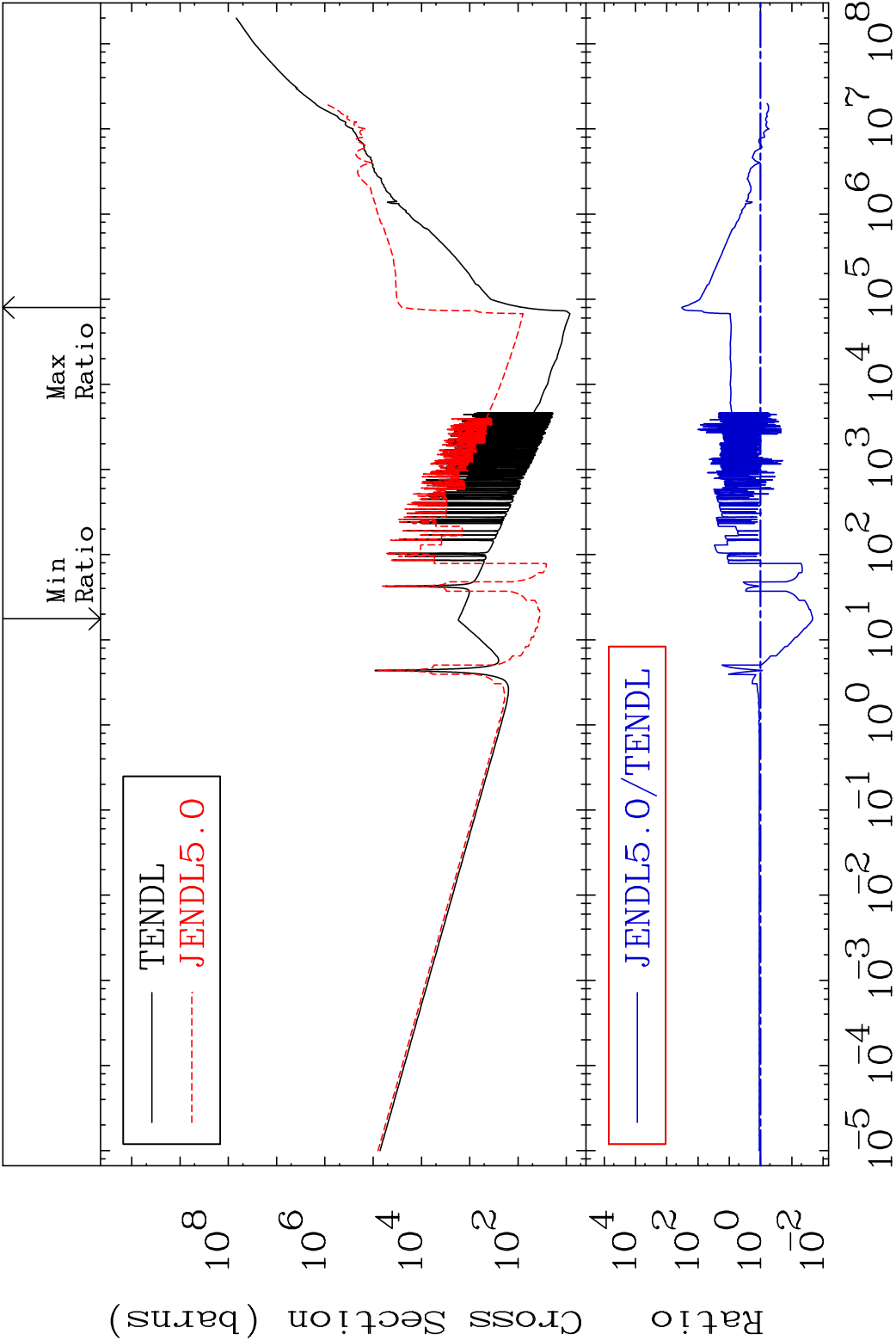


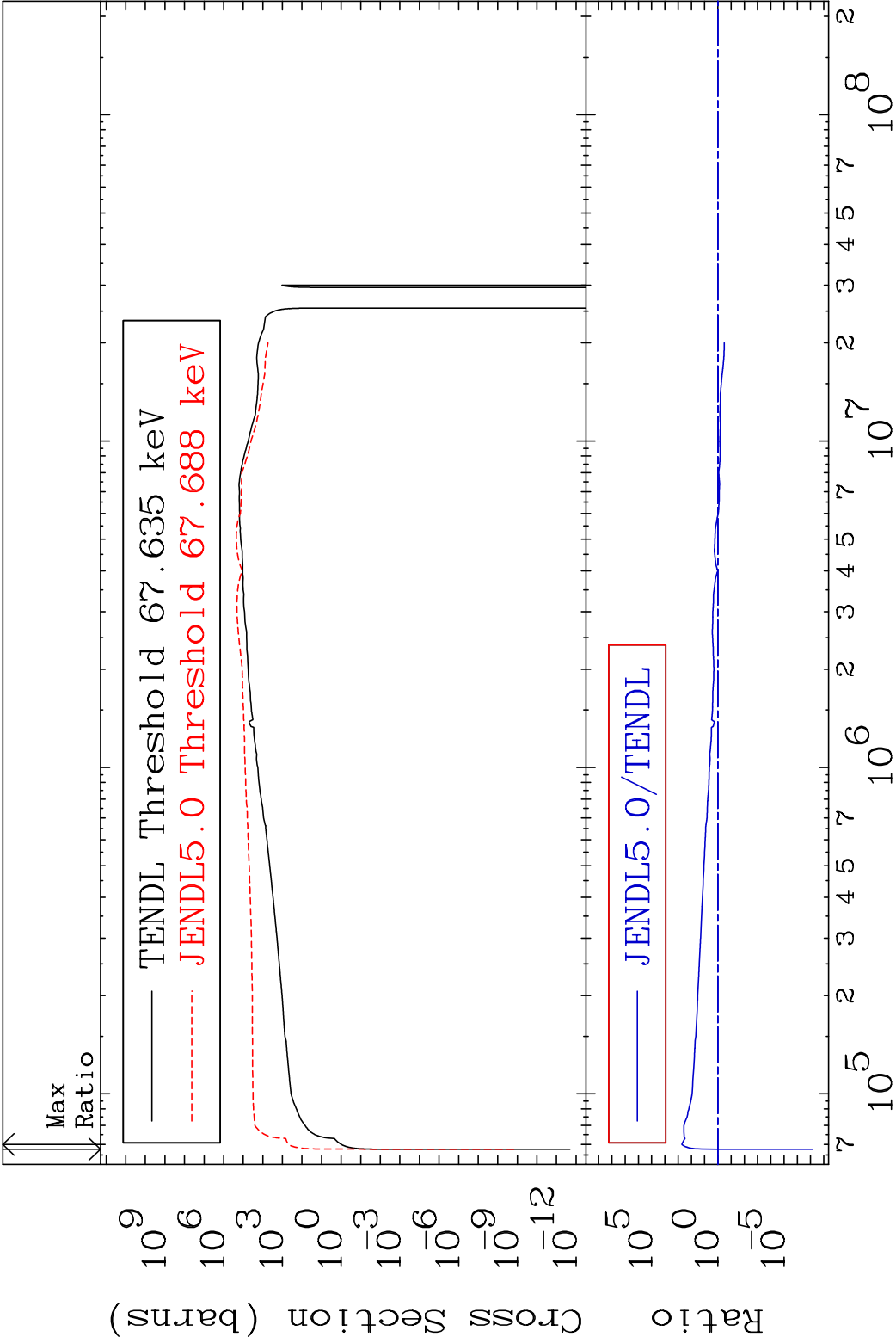




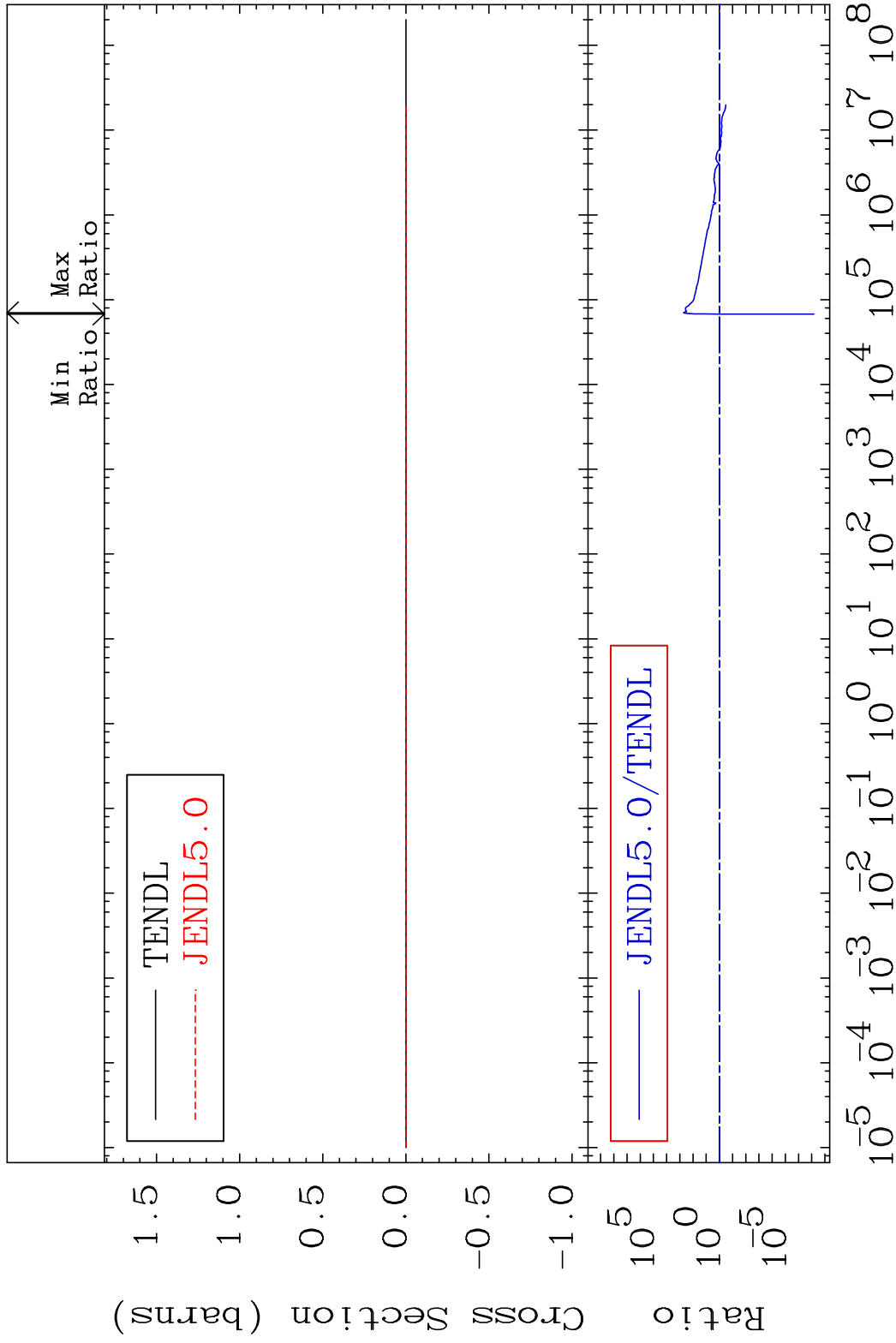


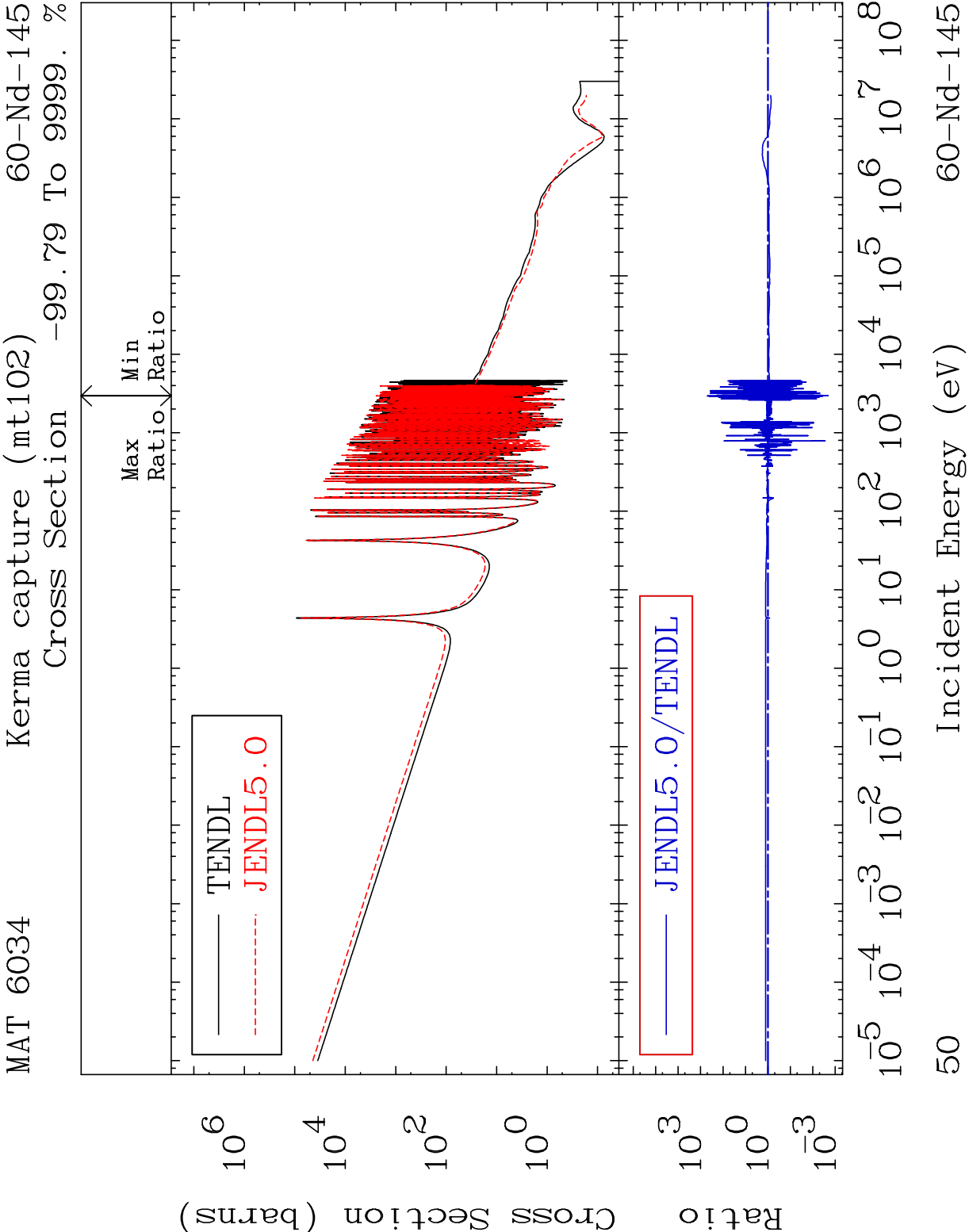
MAT 6034 Kerma non-elastic (all but mt2) 60-Nd-145
 Cross Section -97.85 To 9999. %

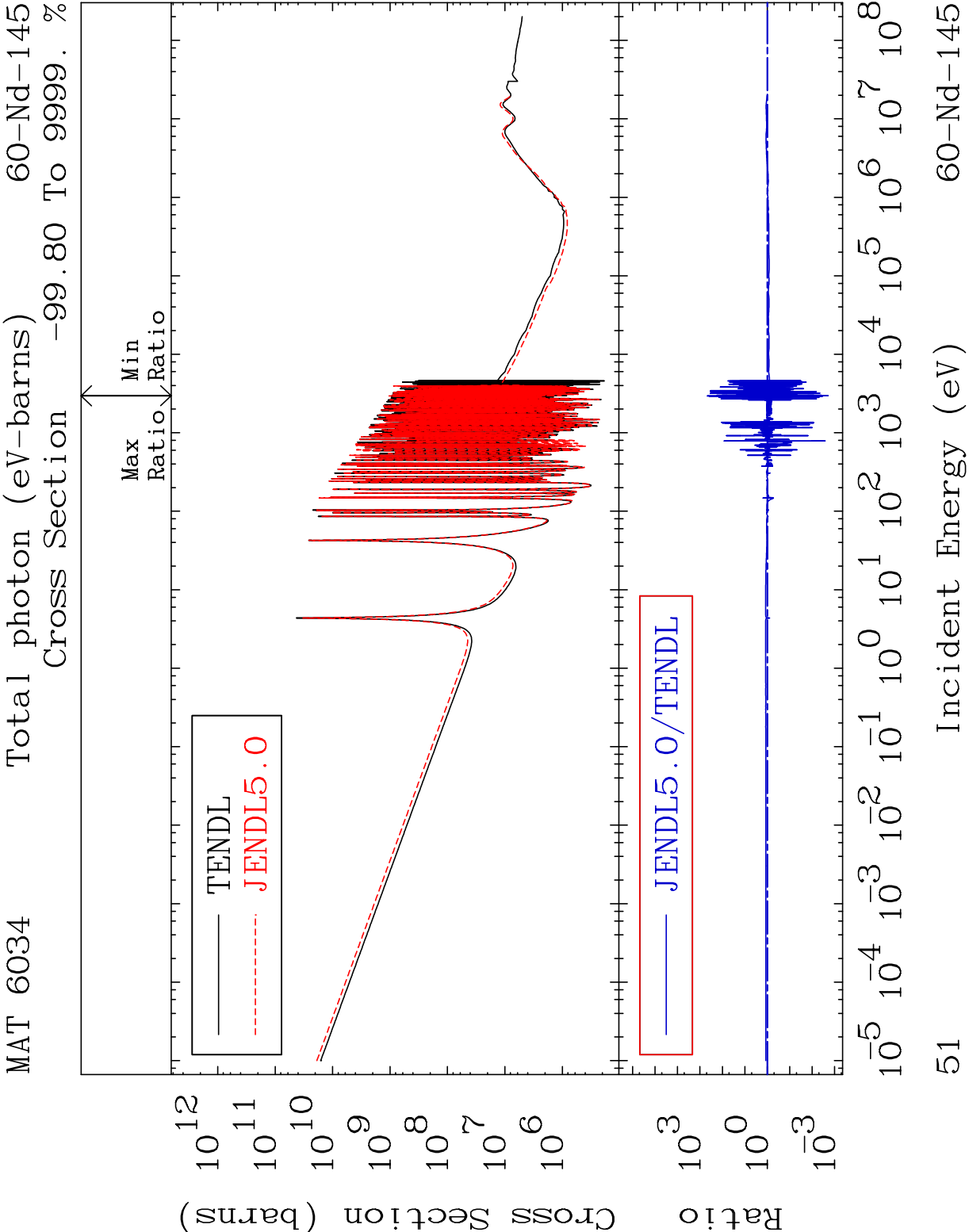




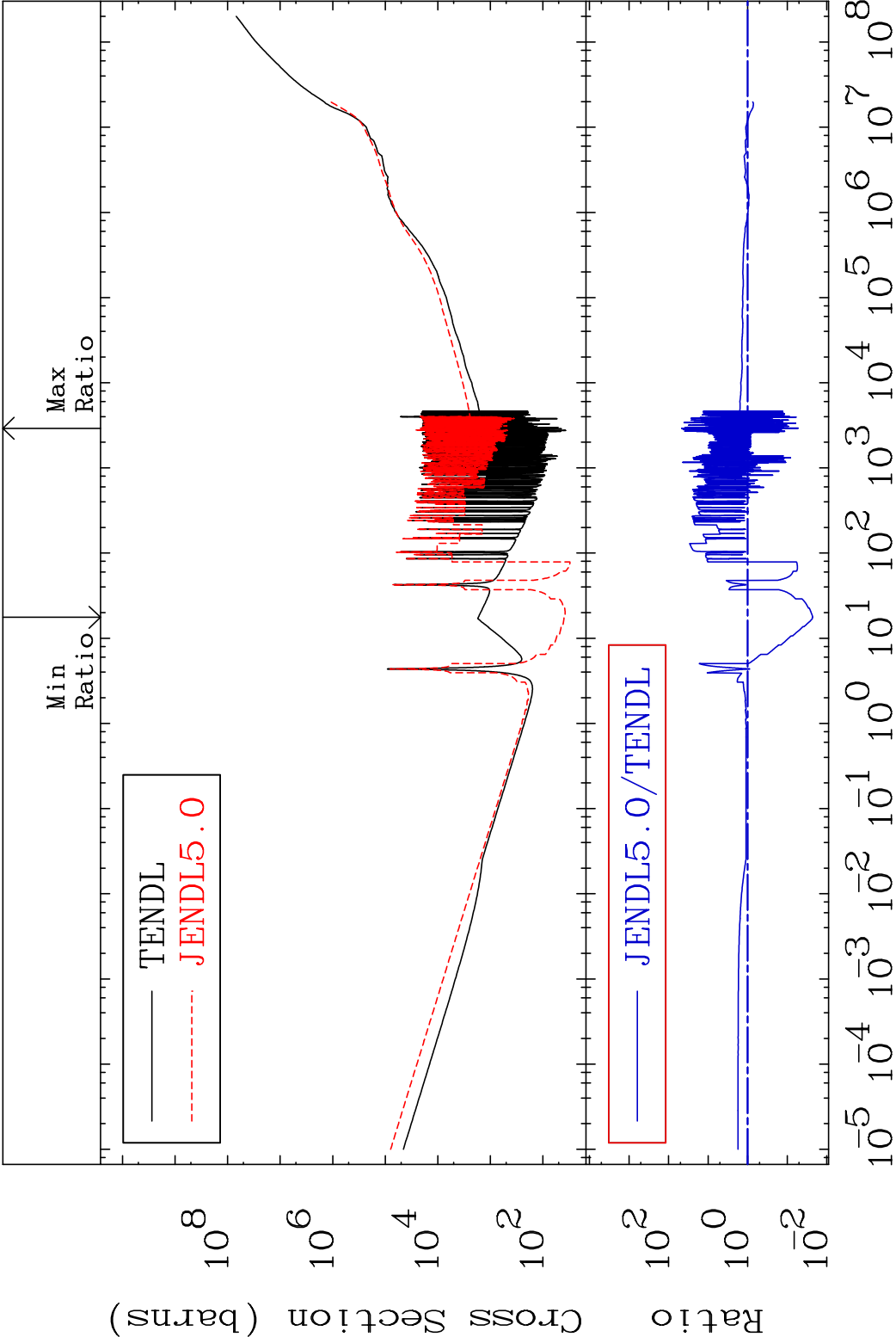
MAT 6034 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-145
Cross Section -100.0 To 9999. %





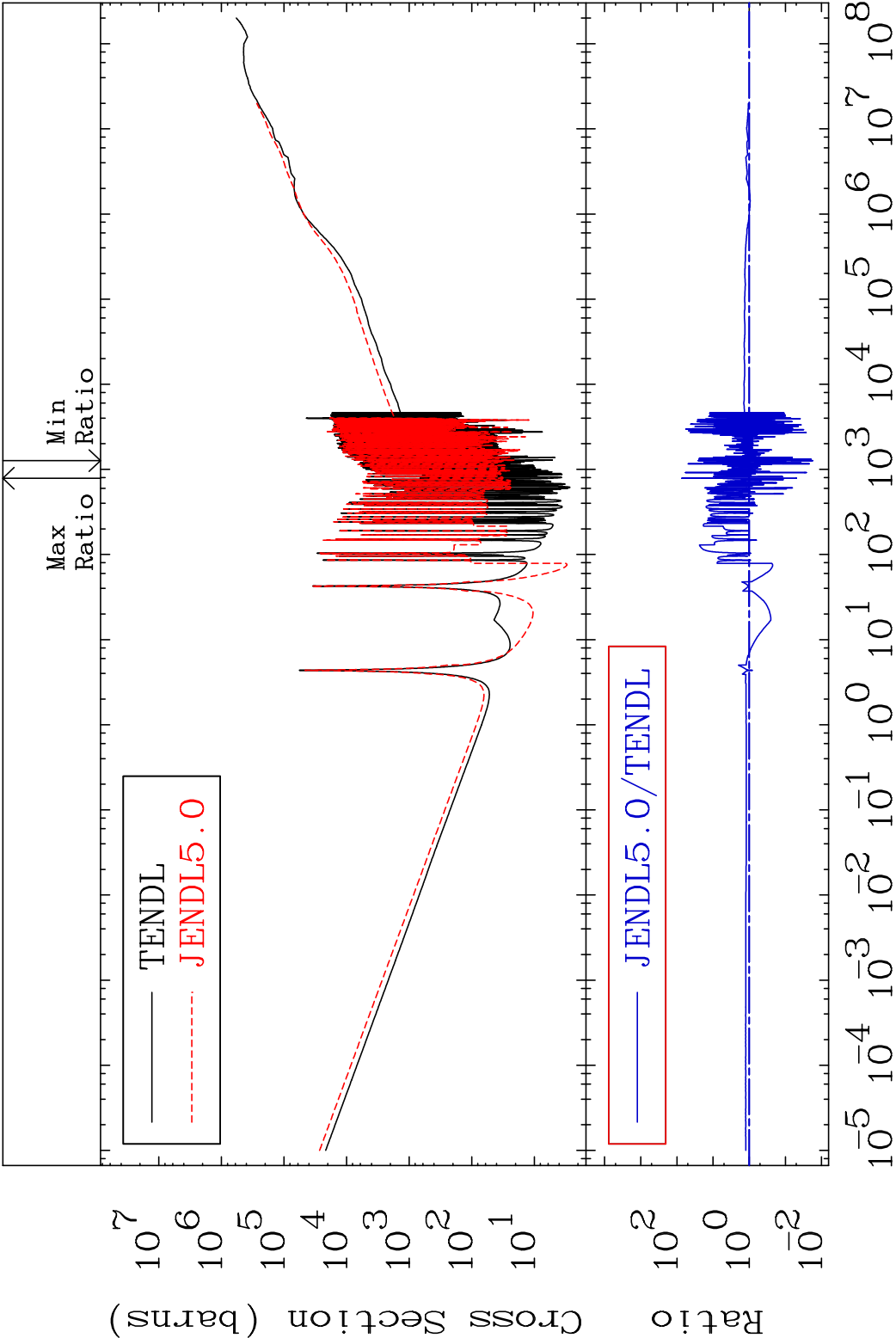


MAT 6034 Total kinematic kerma (high limit) 60-Nd-145
Cross Section -97.74 To 4522. %

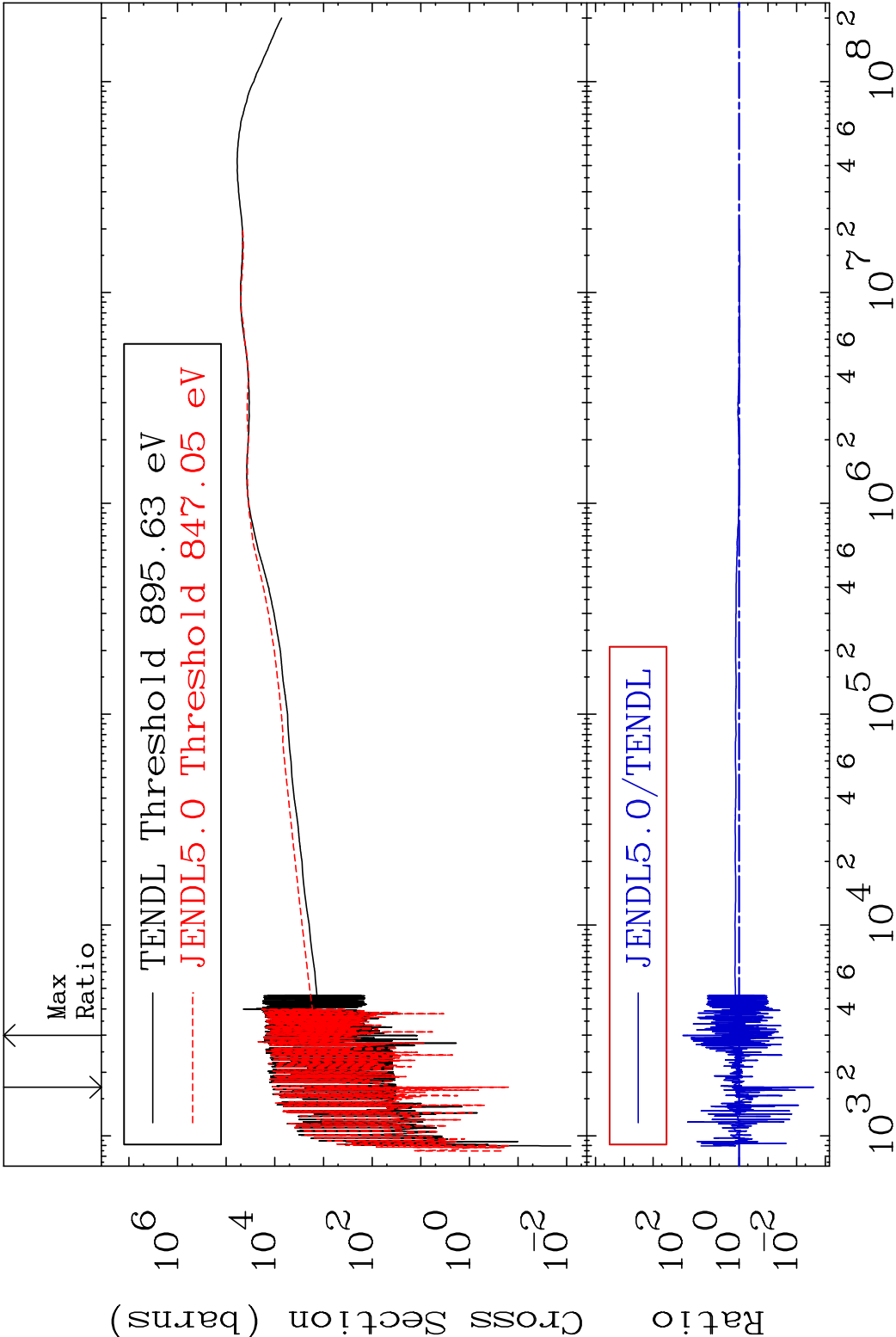


52 Incident Energy (eV) 60-Nd-145

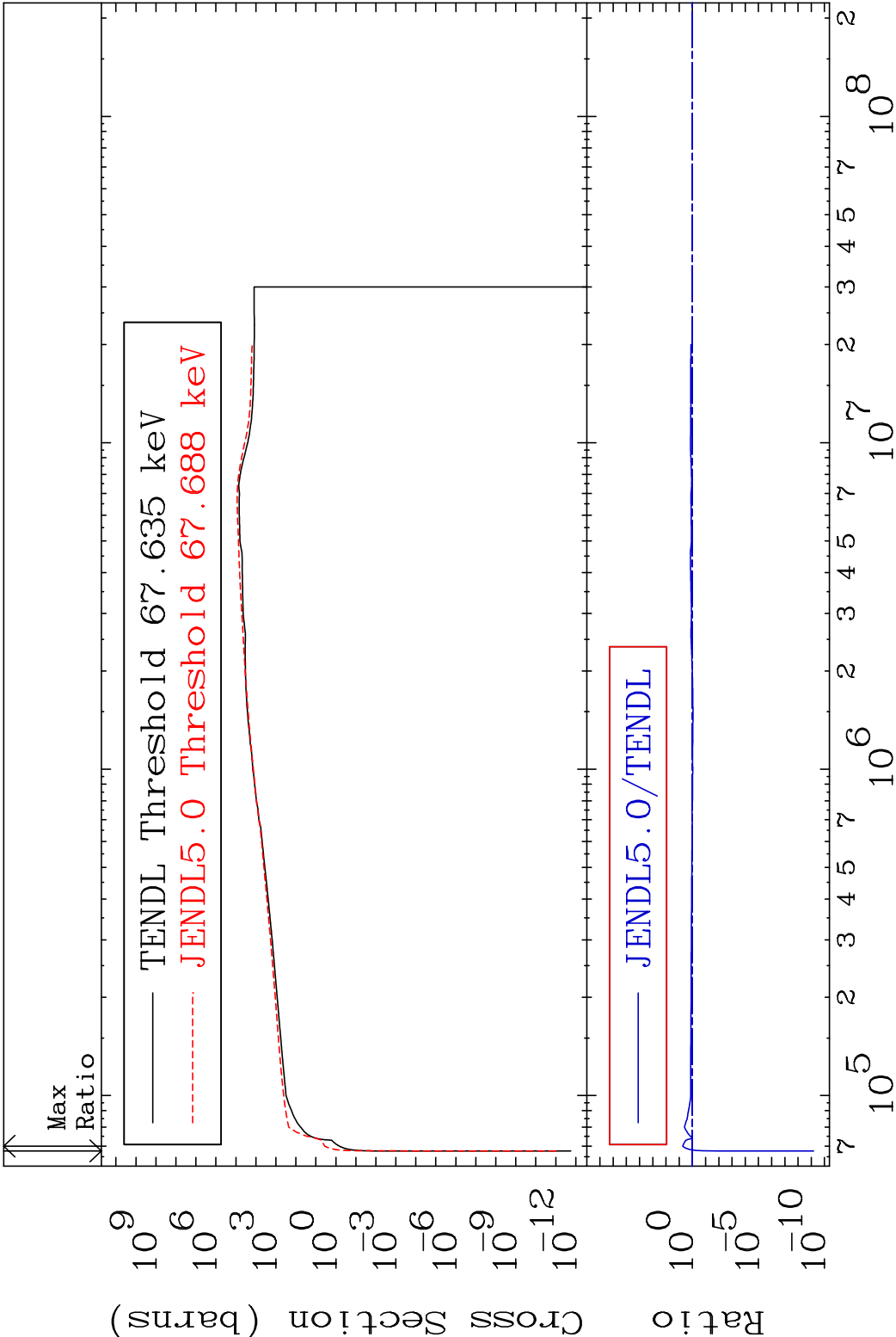
MAT 6034	Dpa total (eV-barns)	60-Nd-145
	Cross Section	-98.24 To 7222. %



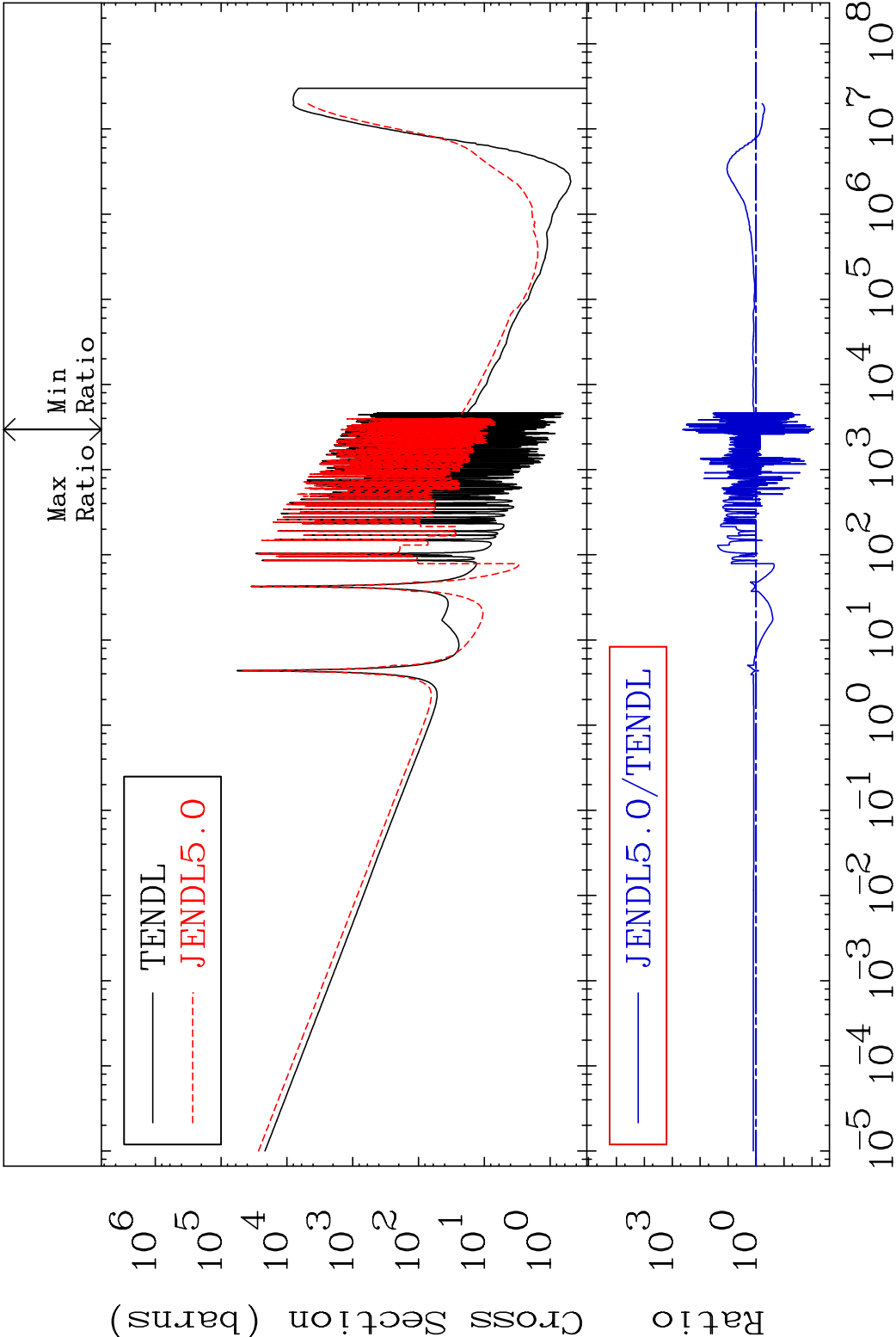
MAT 6034 Dpa elastic (mt2) 60-Nd-145
Cross Section -99.74 To 9224. %

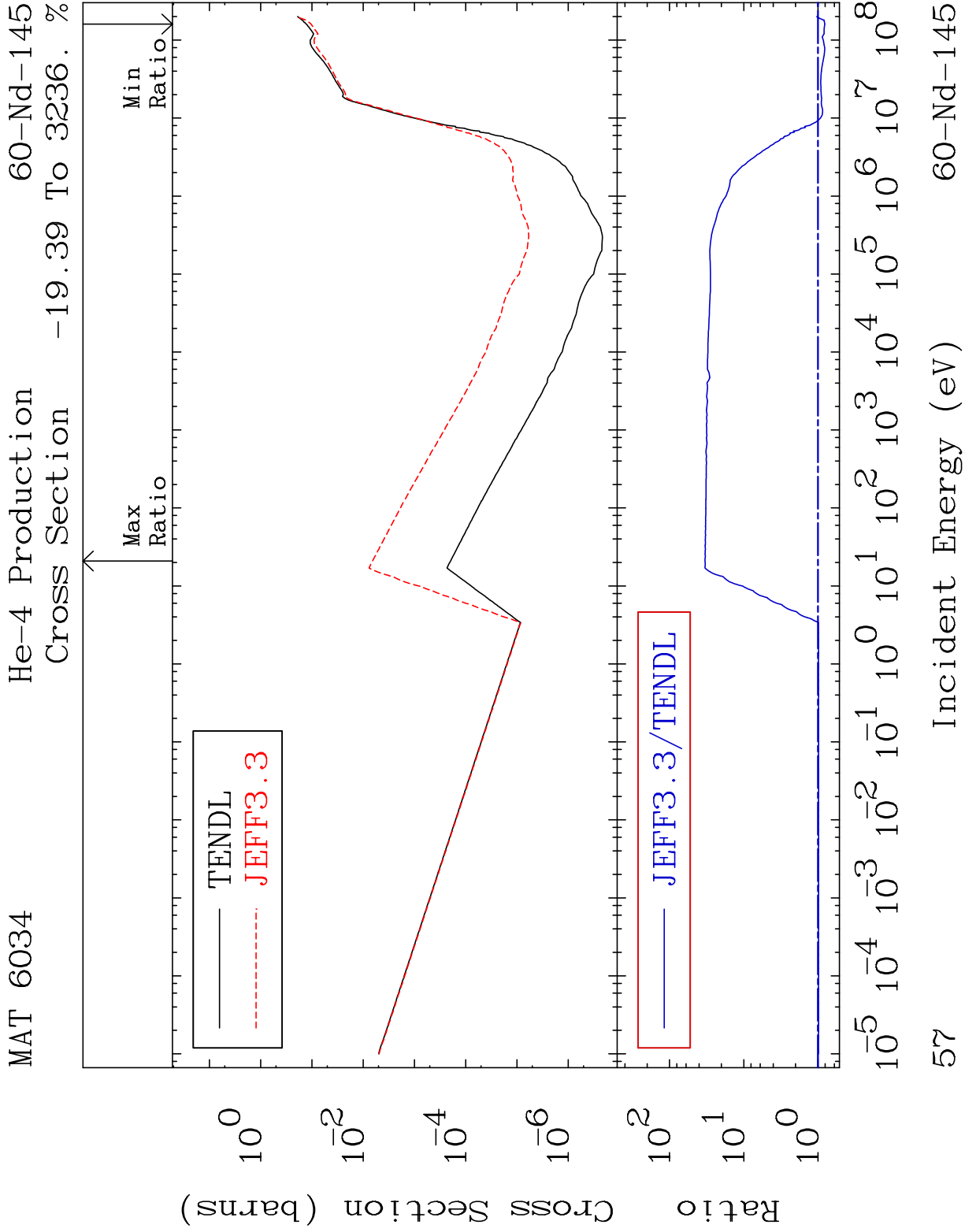


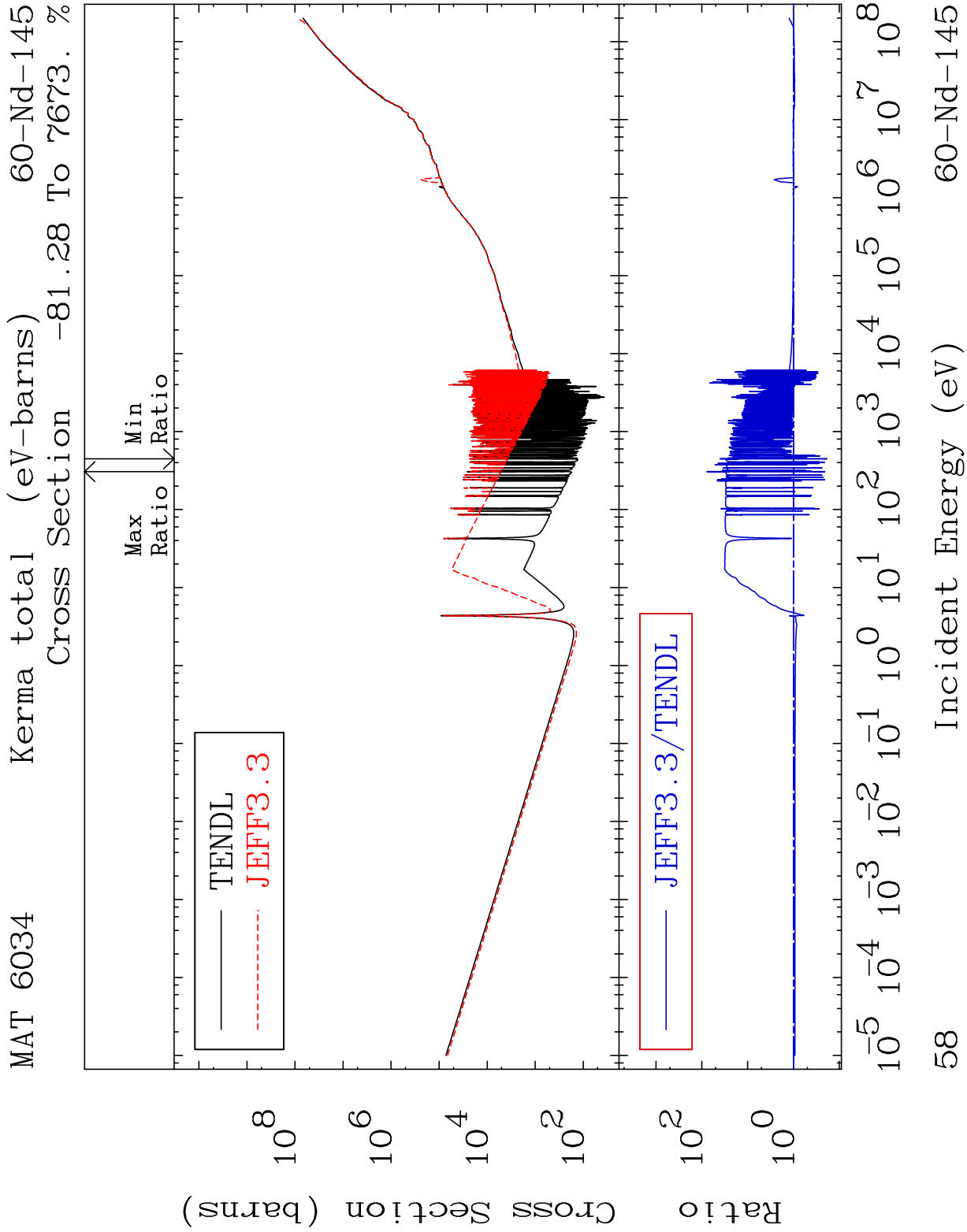
MAT 6034 Dpa inelastic (mt51-91) 60-Nd-145
Cross Section -100.0 To 448.3 %

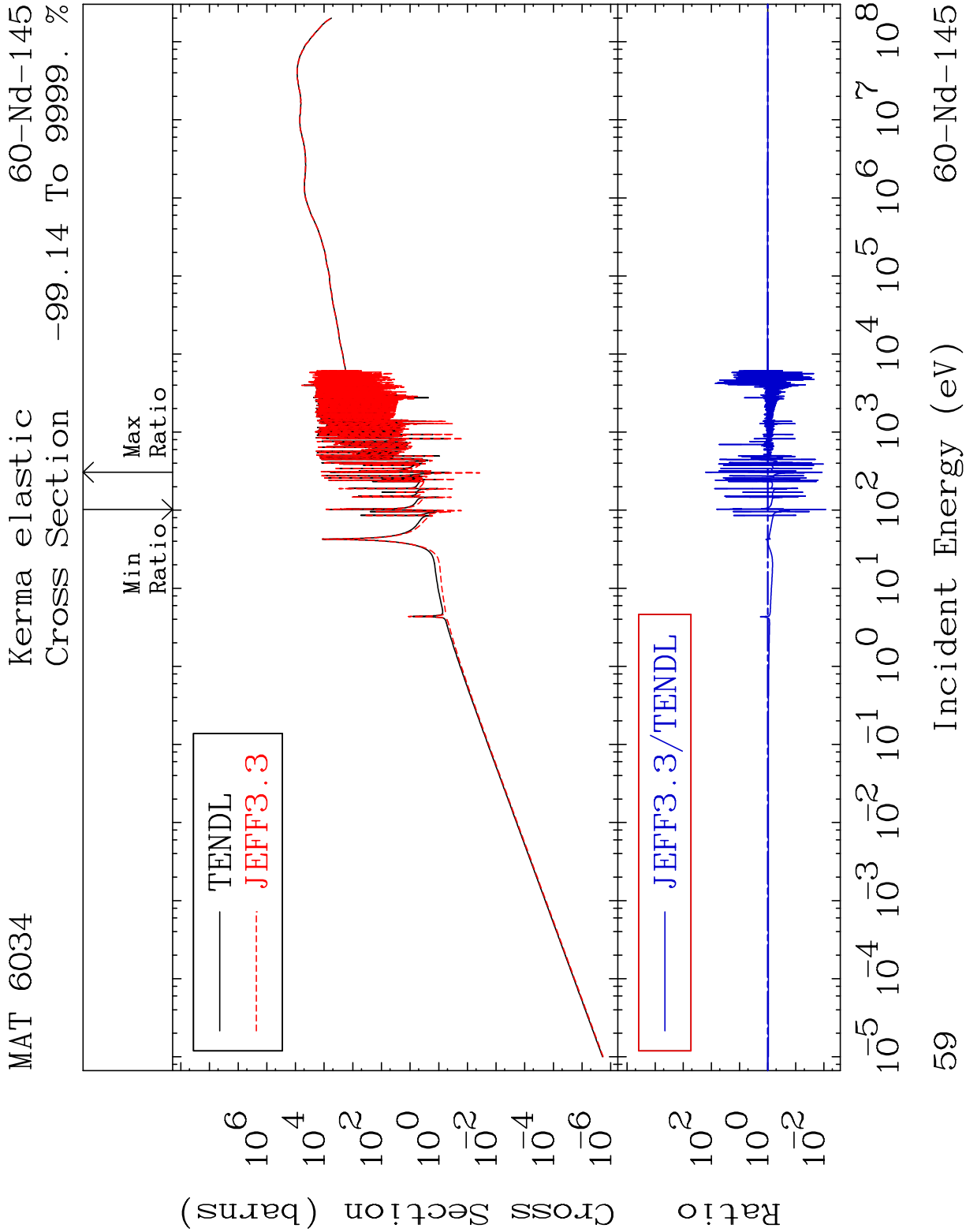


55 Incident Energy (eV) 60-Nd-145

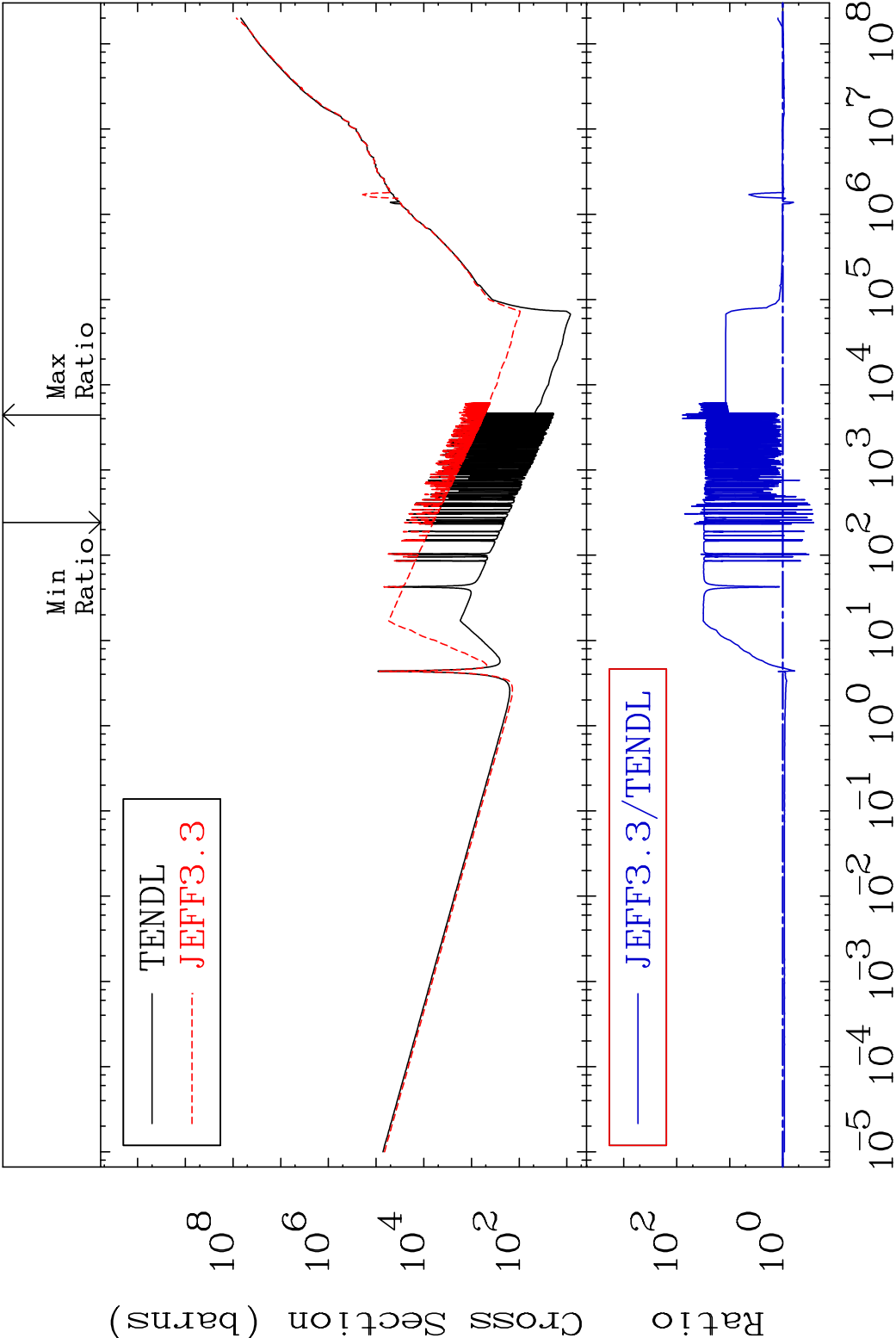




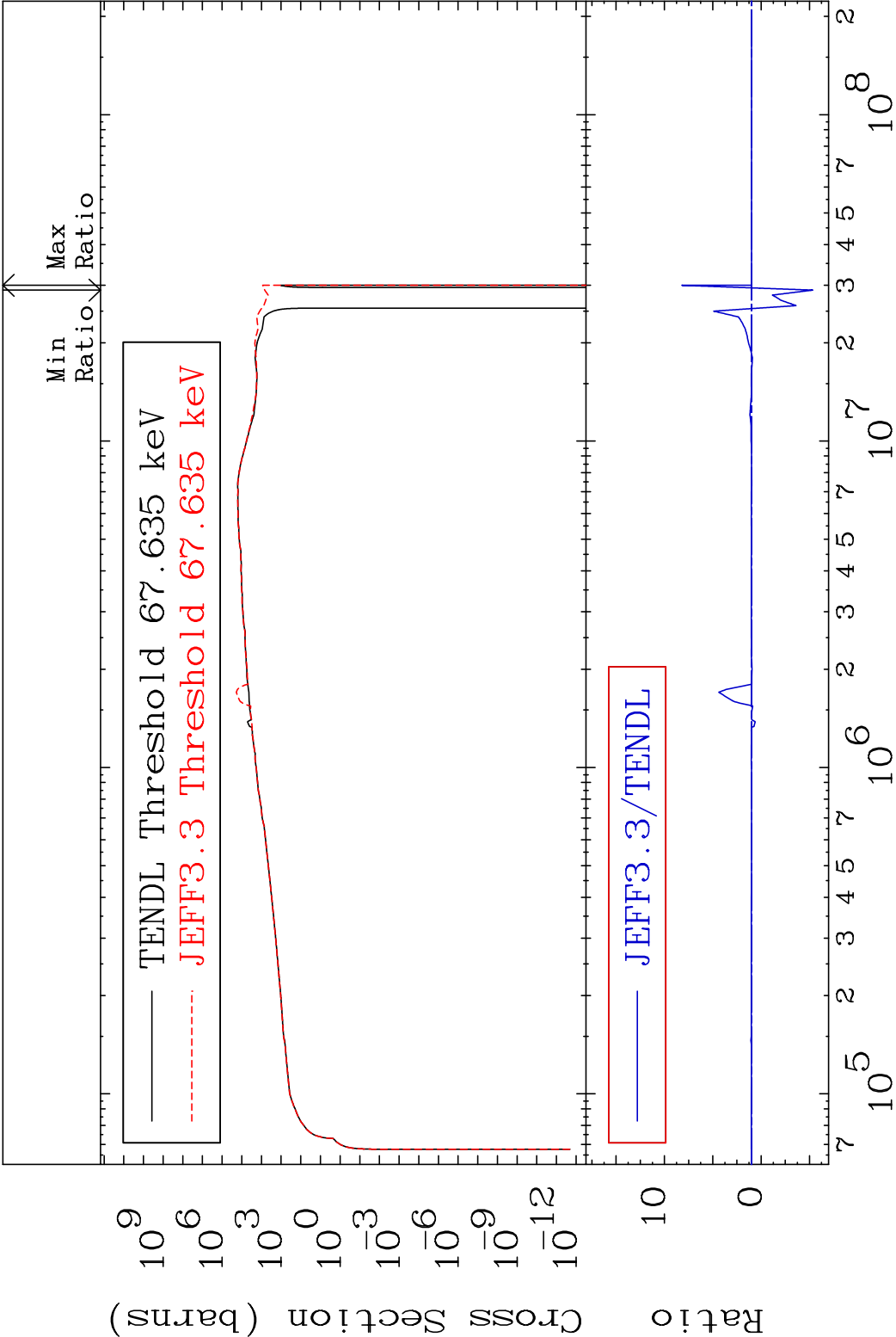




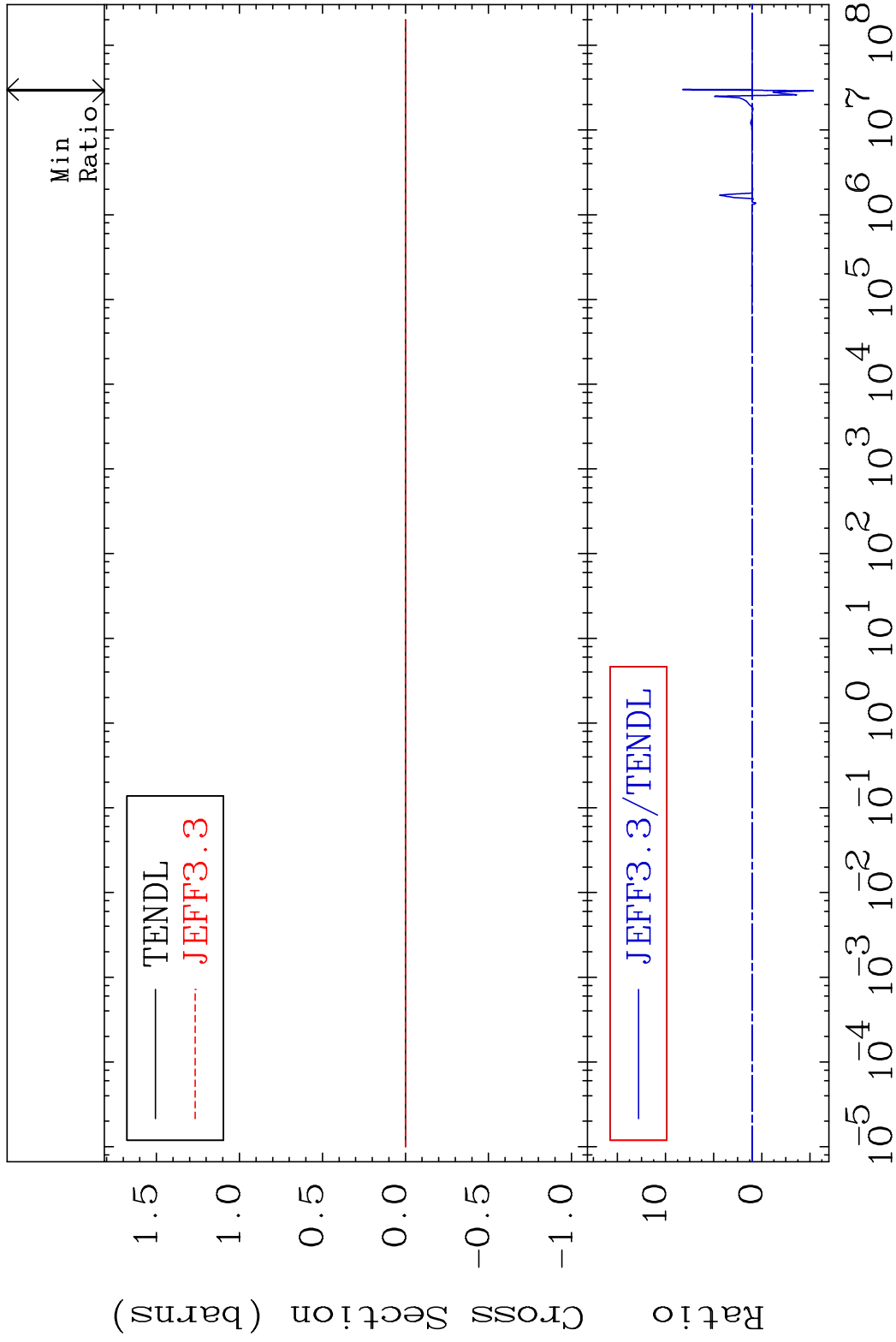
MAT 6034 Kerma non-elastic (all but mt2) 60-Nd-145
Cross Section -73.75 To 7712. %

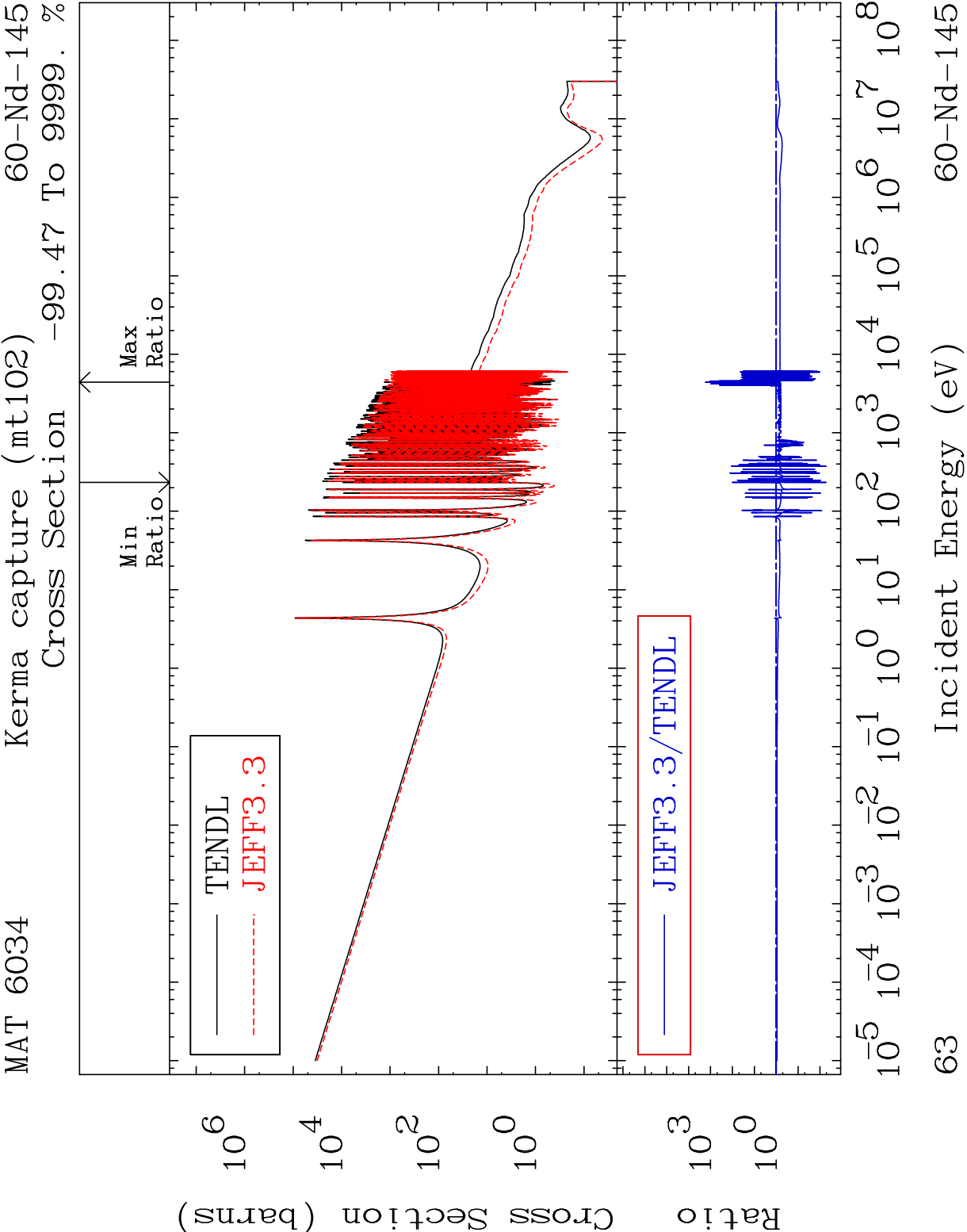


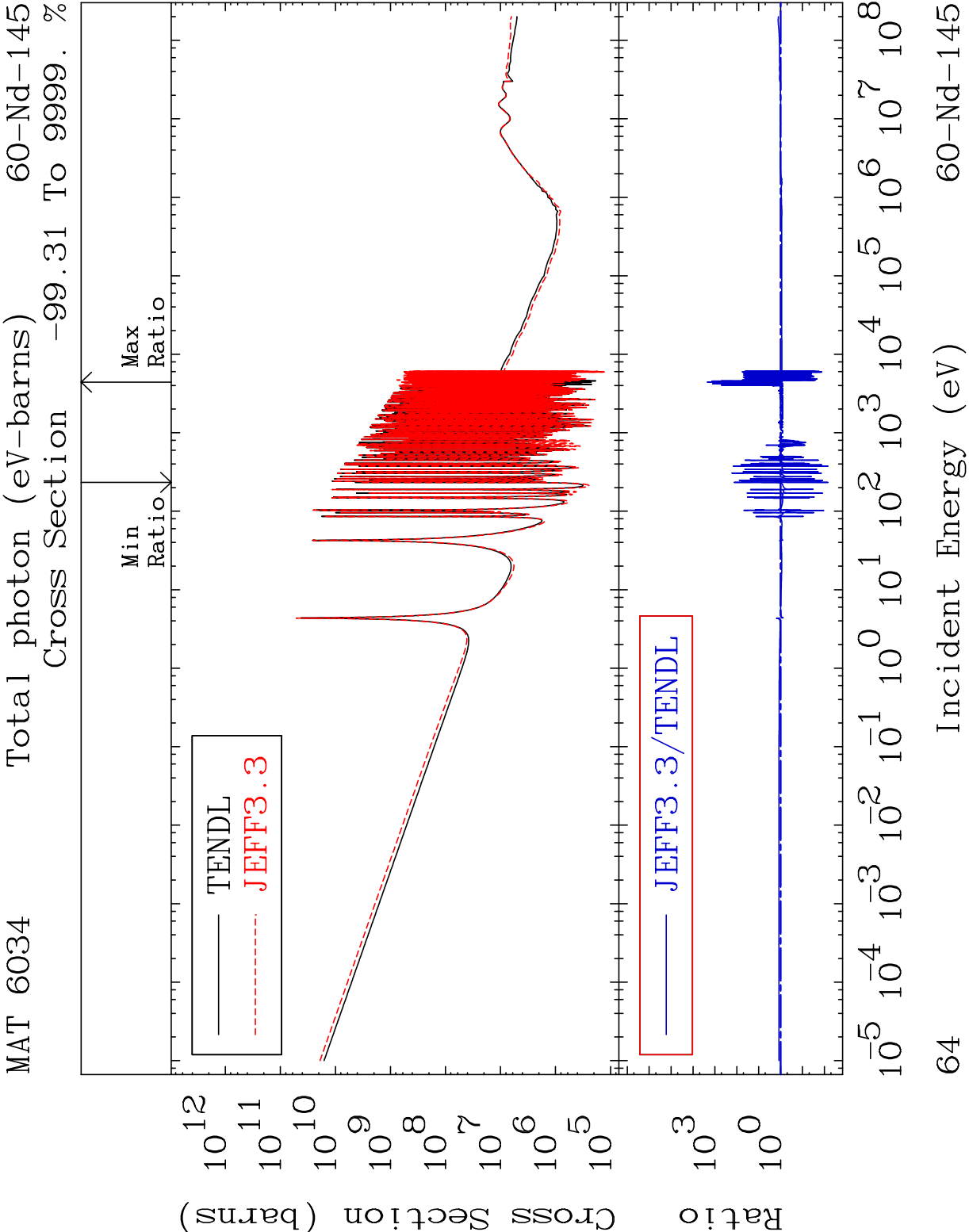
60 Incident Energy (eV) 60-Nd-145



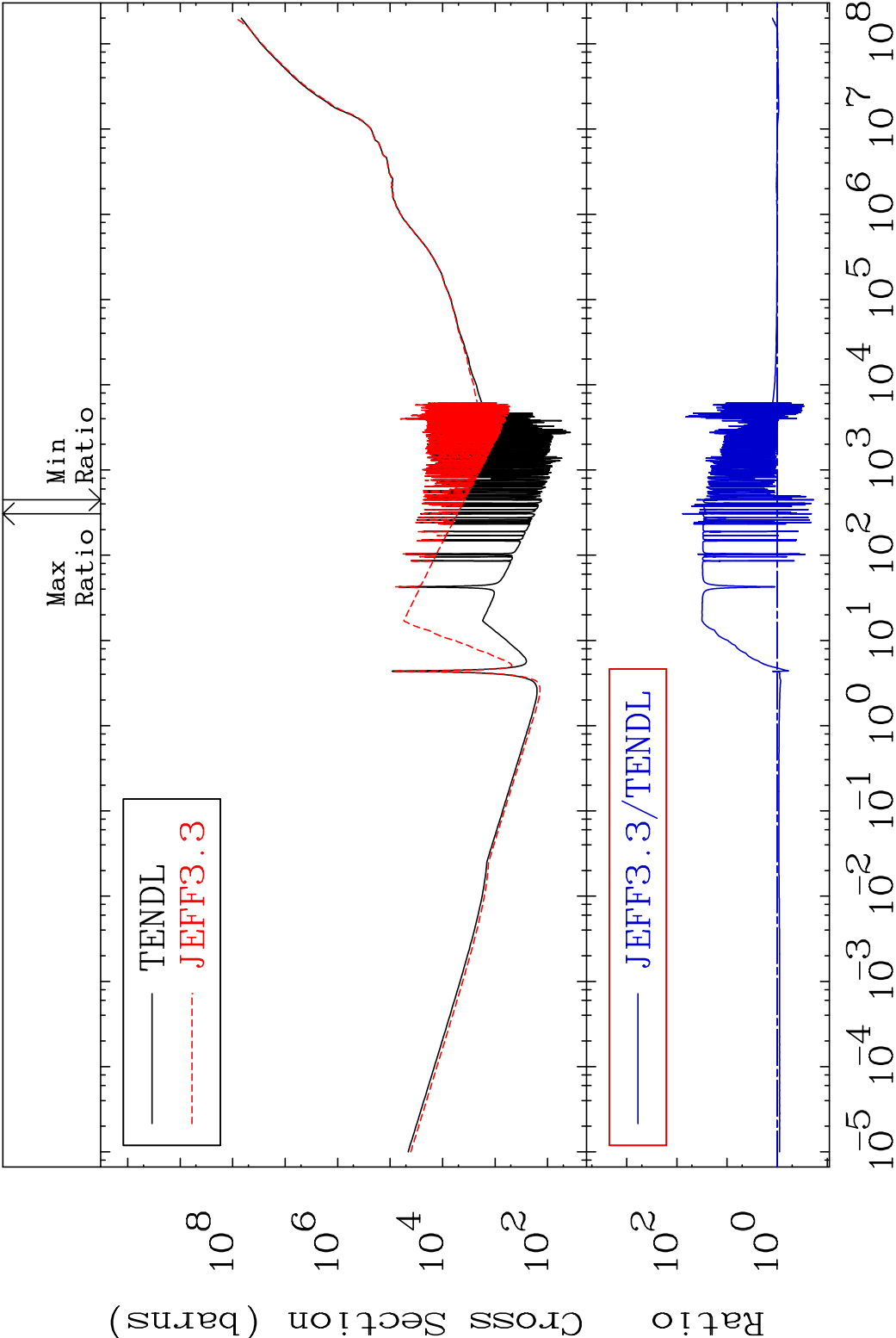
MAT 6034 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-145
Cross Section -633.4 To 720.6 %

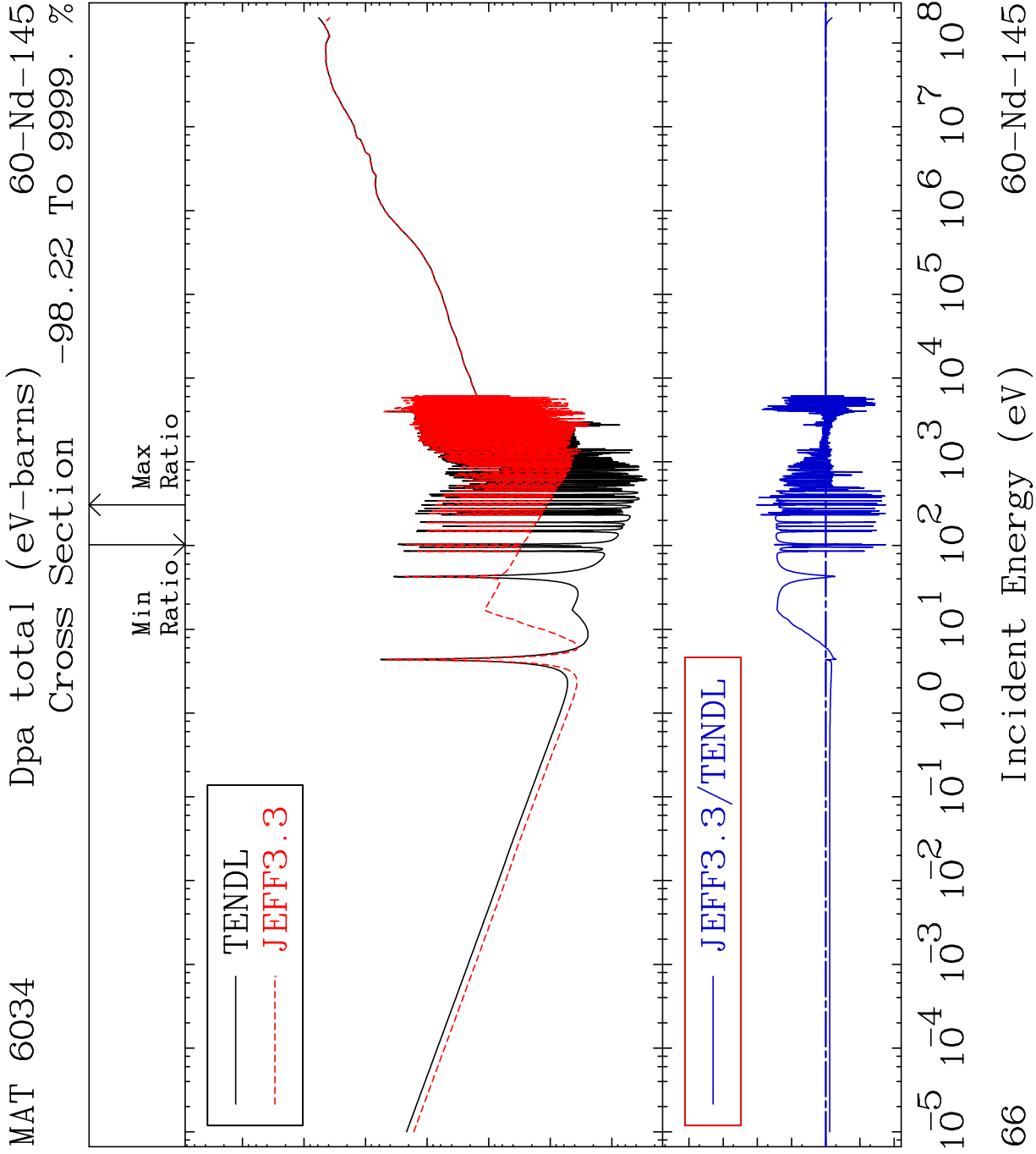




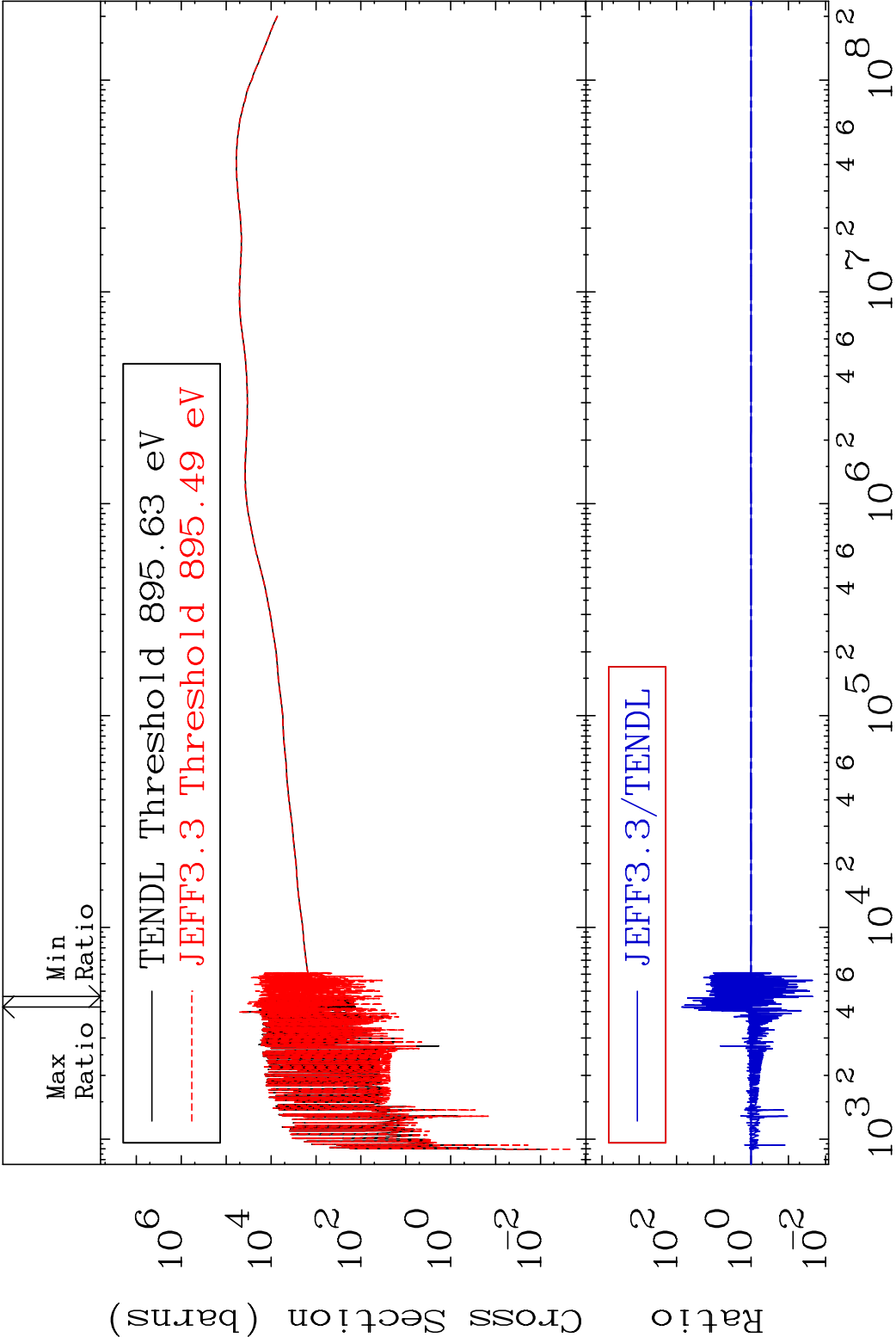


MAT 6034 Total kinematic kerma (high limit) 60-Nd-145
Cross Section -81.17 To 7654. %

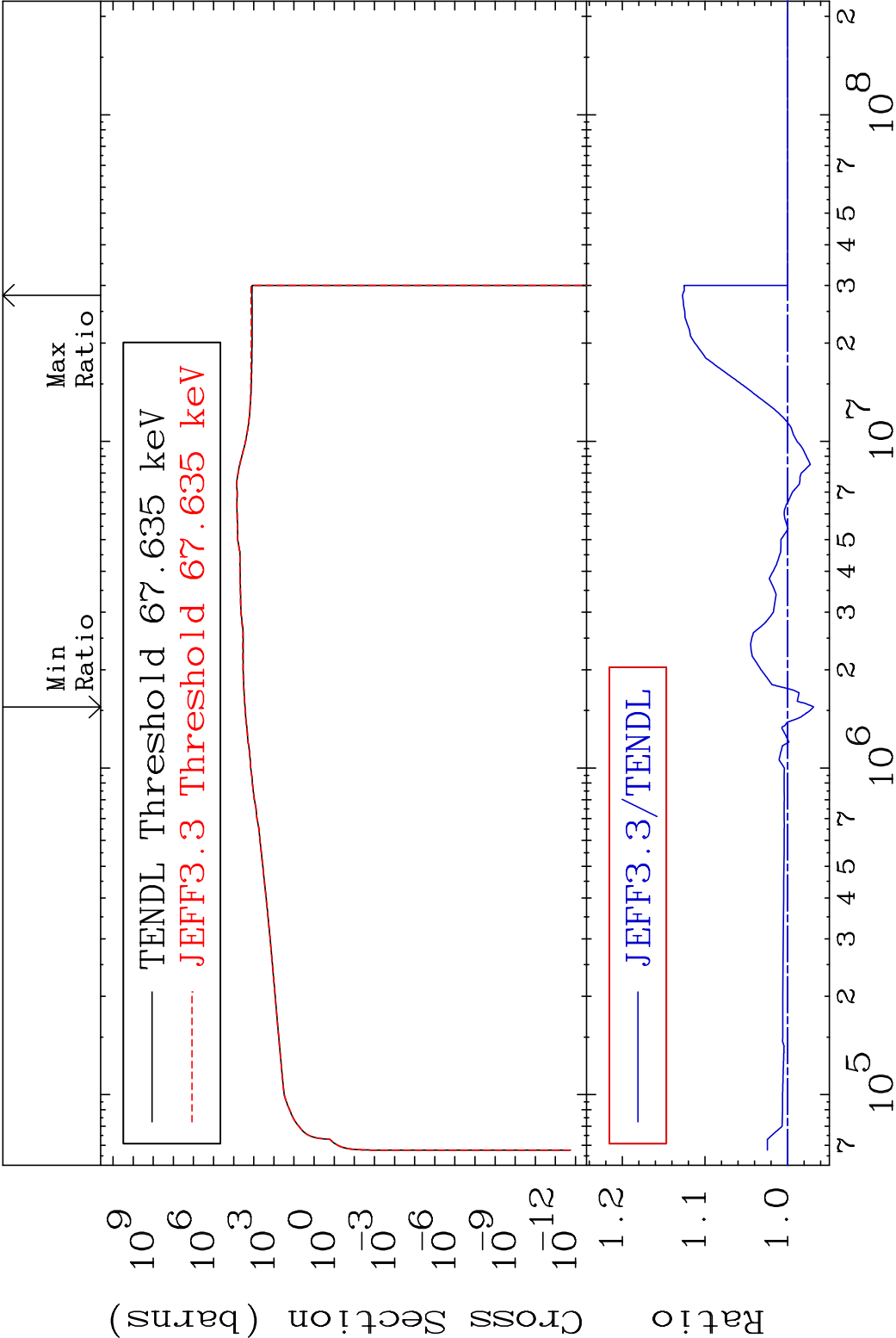




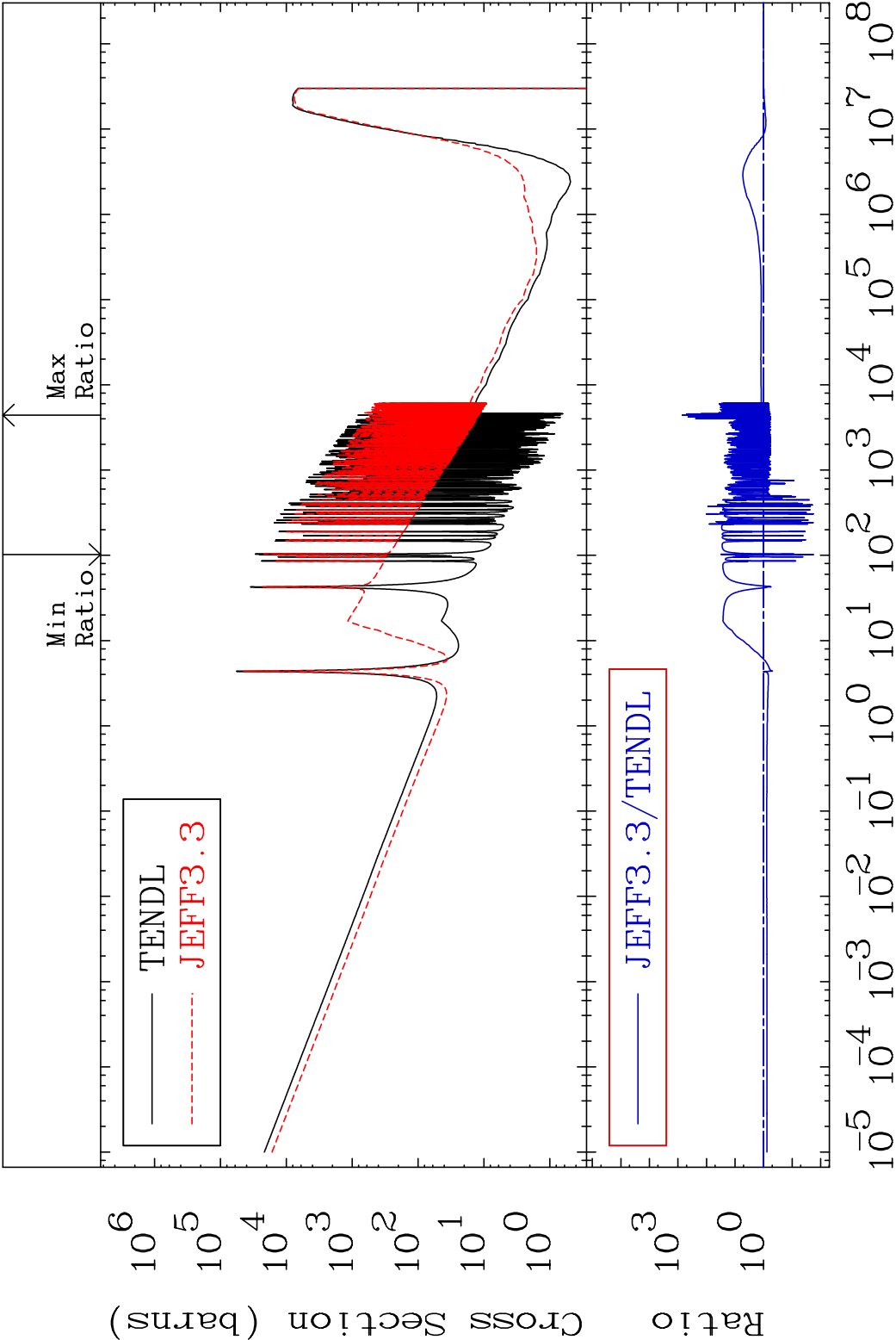
MAT 6034 Dpa elastic (mt2) 60-Nd-145
Cross Section -97.78 To 7135. %



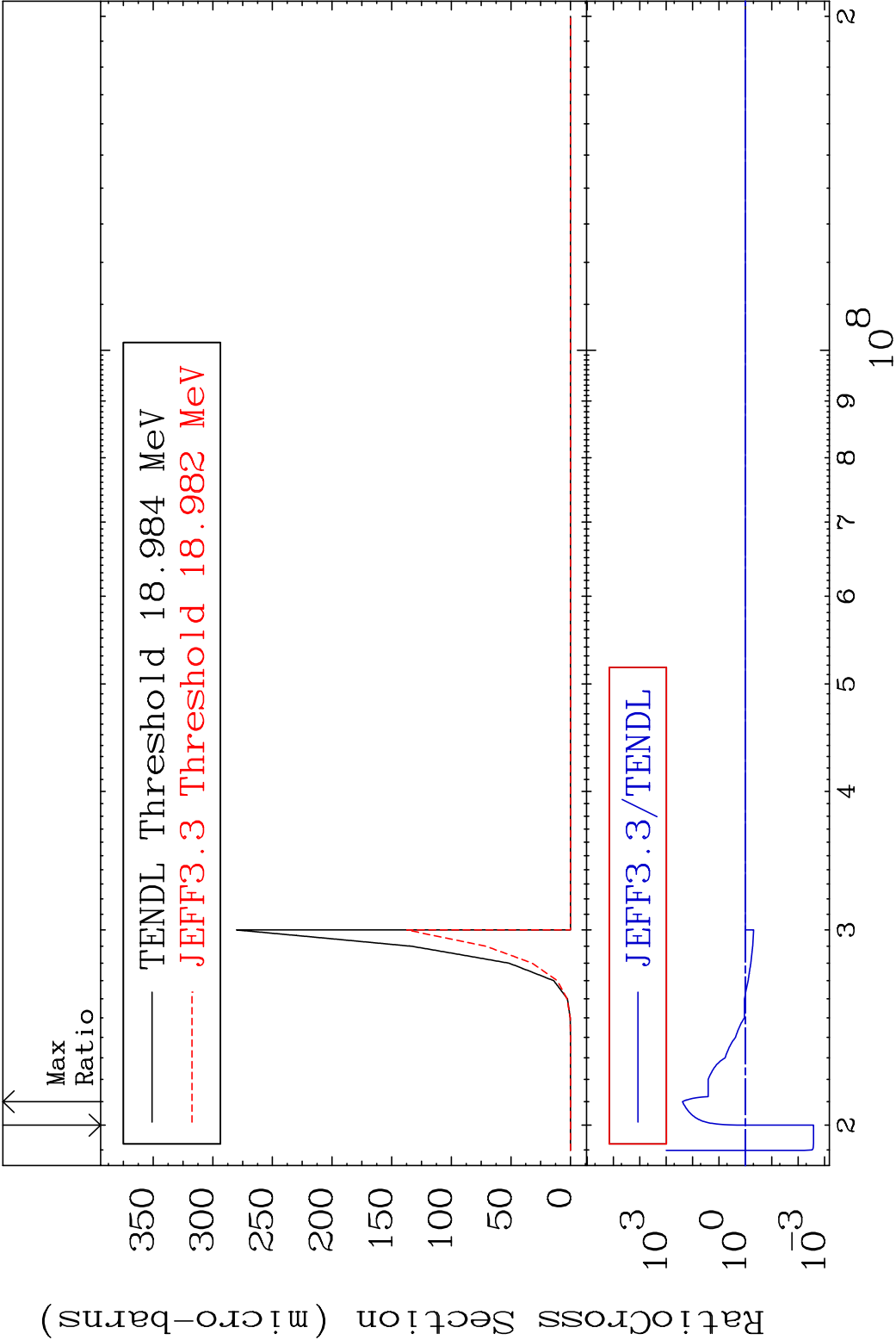
67 Incident Energy (eV) 60-Nd-145

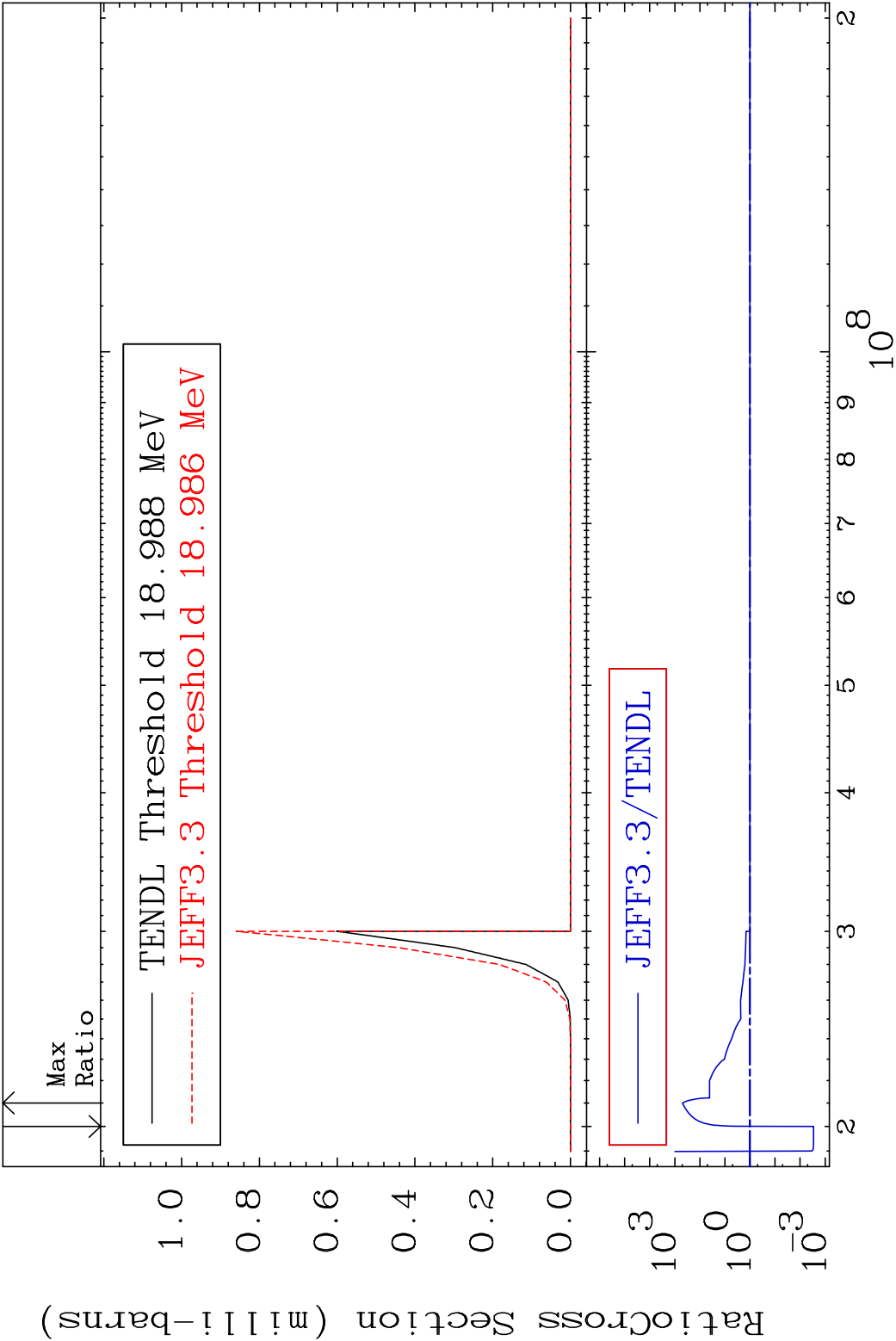


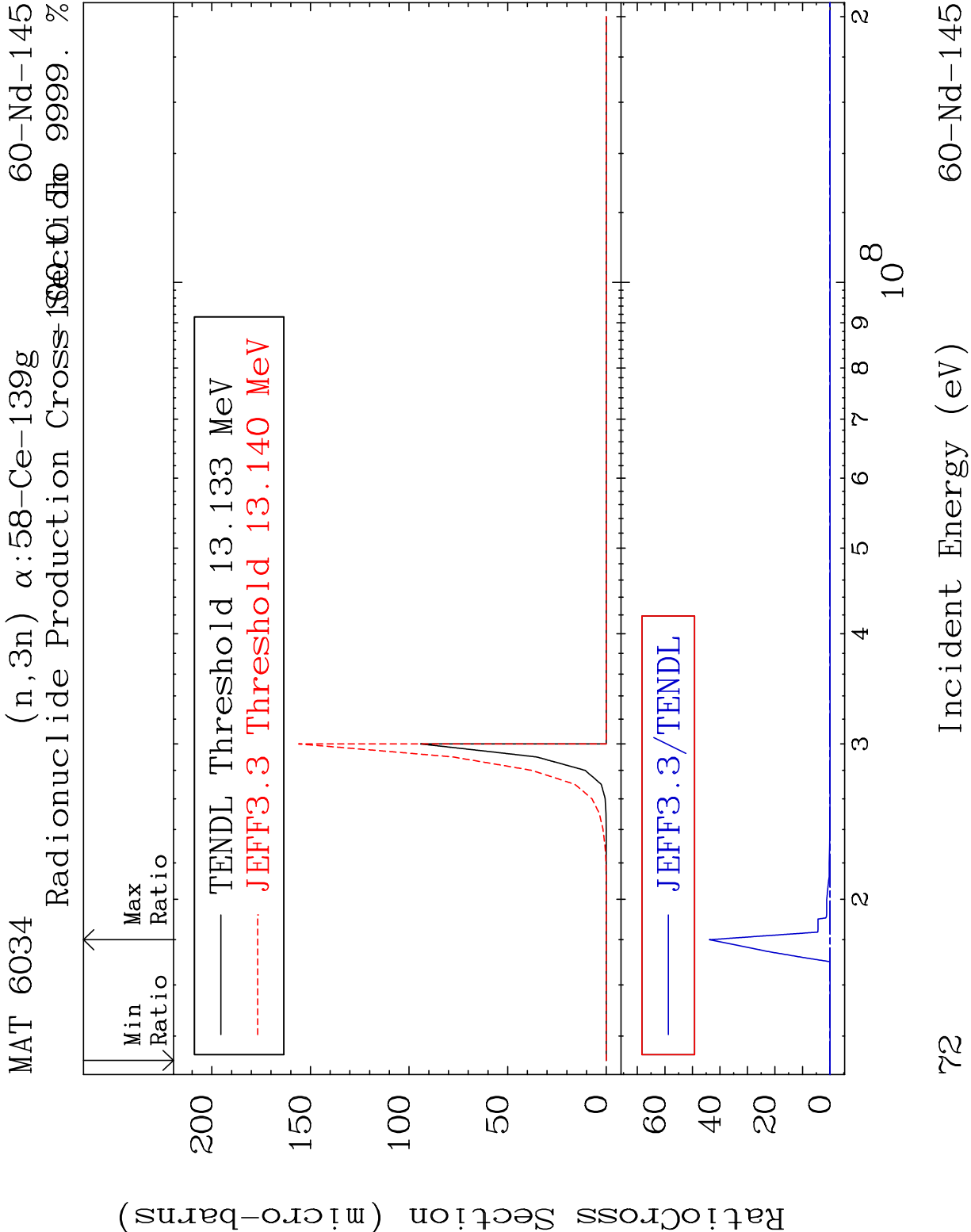
MAT 6034 Dpa disappearance (mt102 -120) 60-Nd-145
Cross Section -98.22 To 9999. %

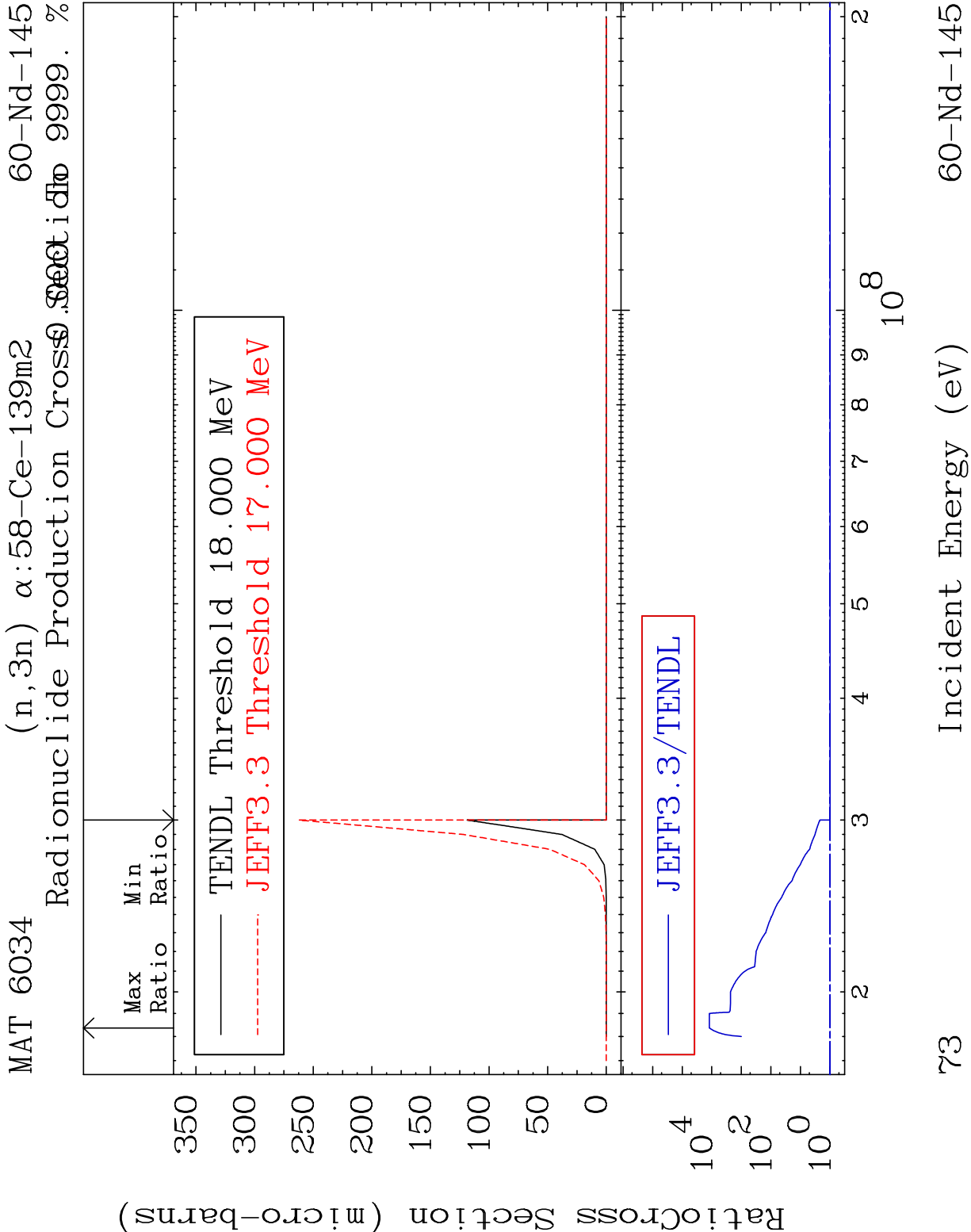


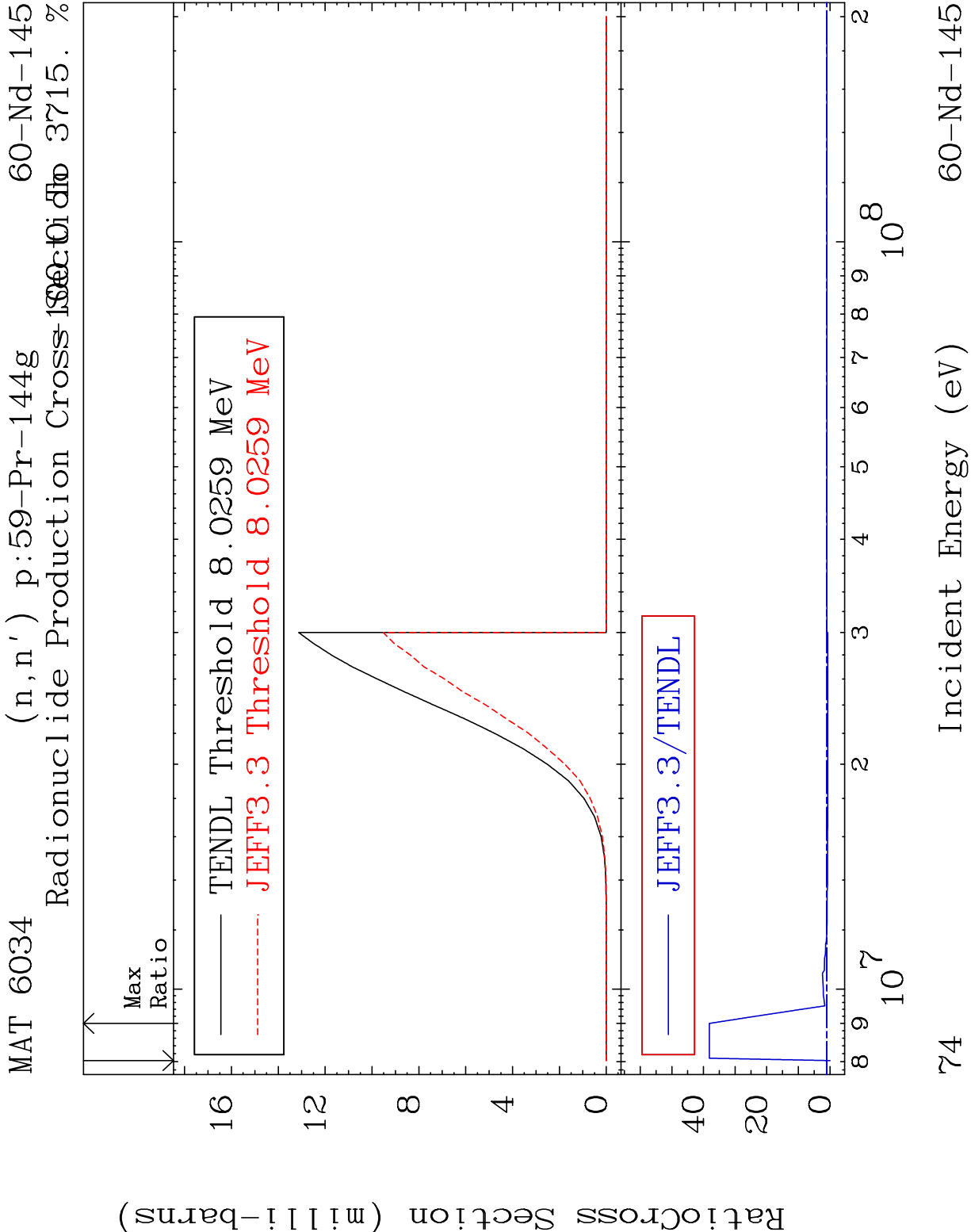
69 Incident Energy (eV) 60-Nd-145

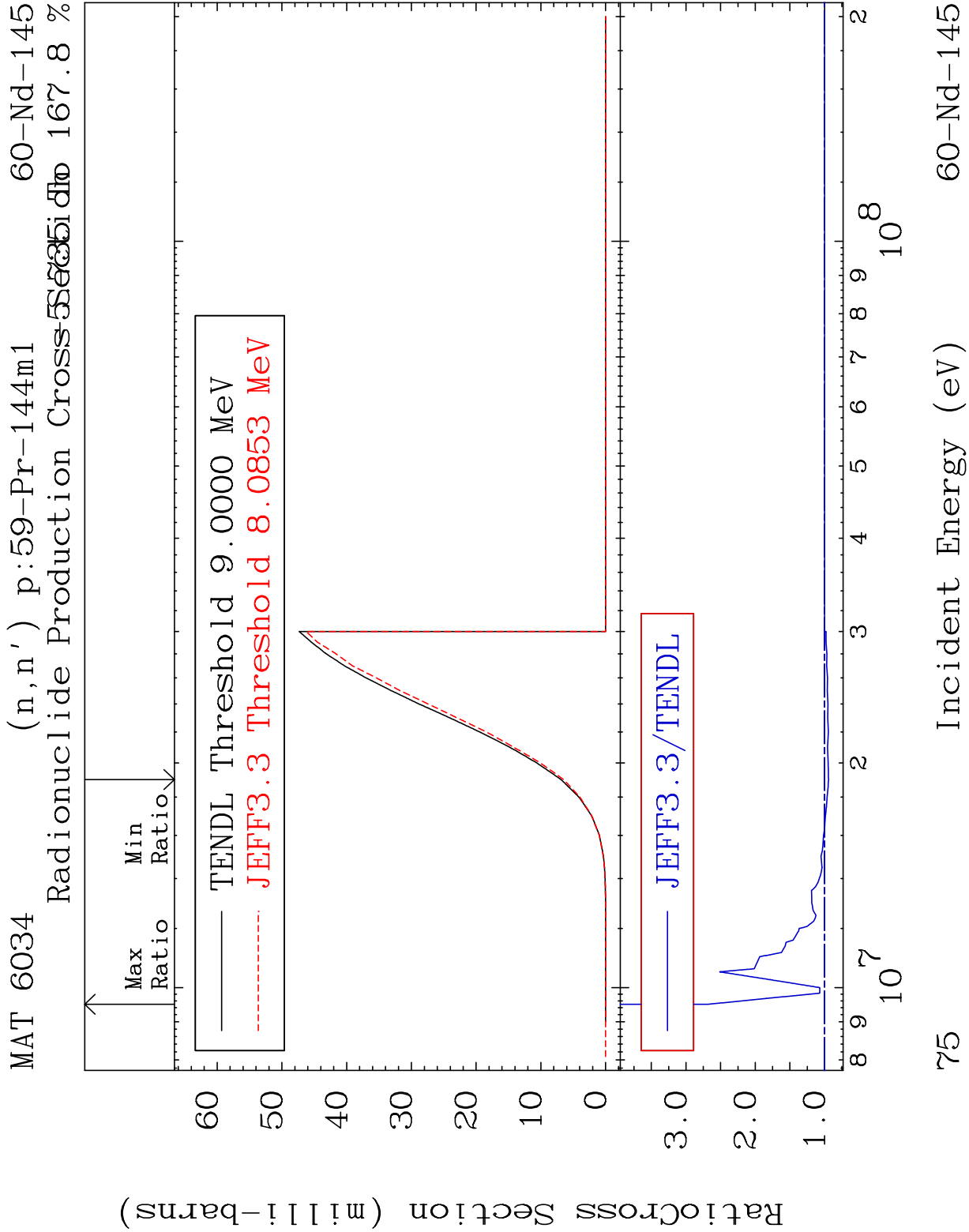


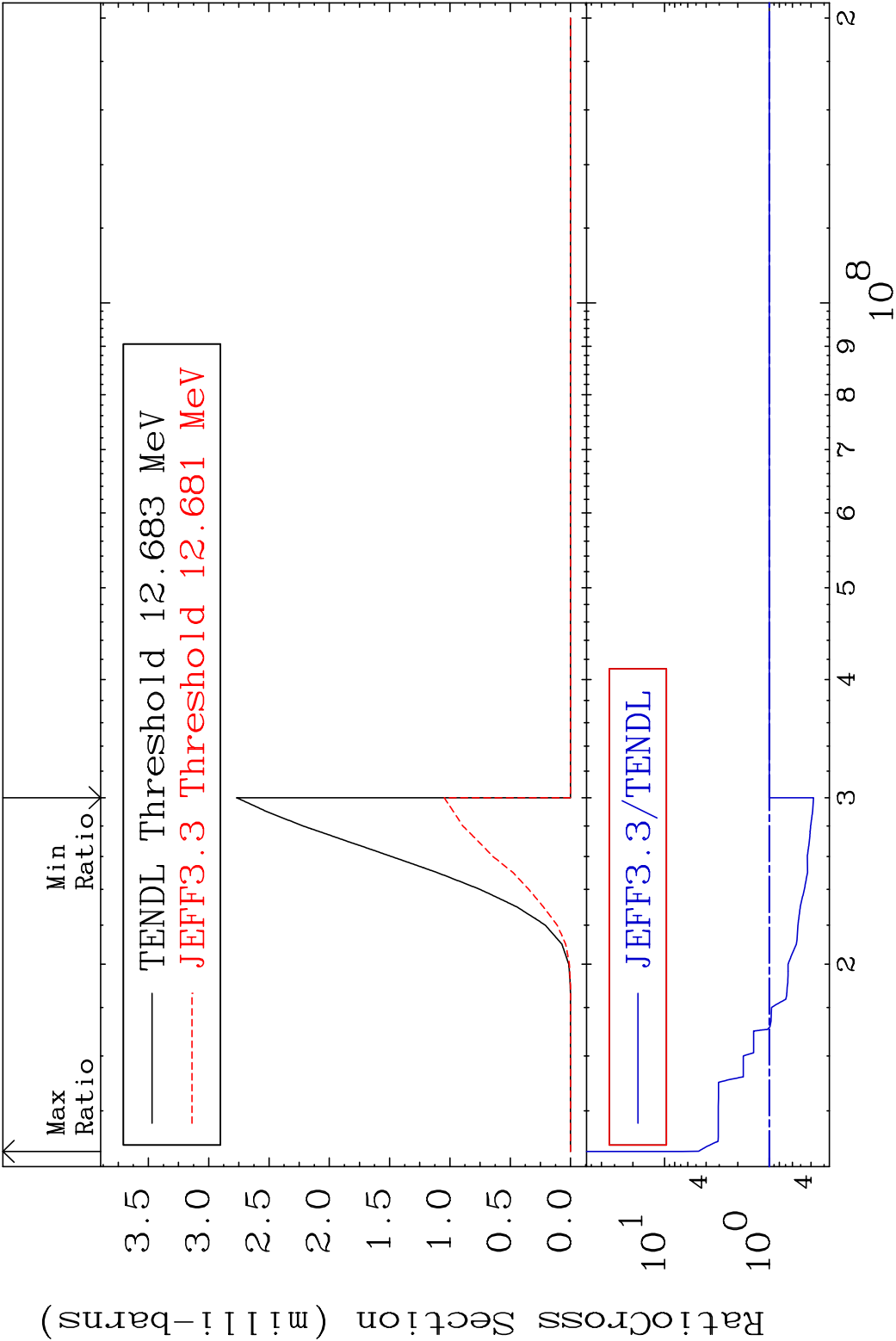


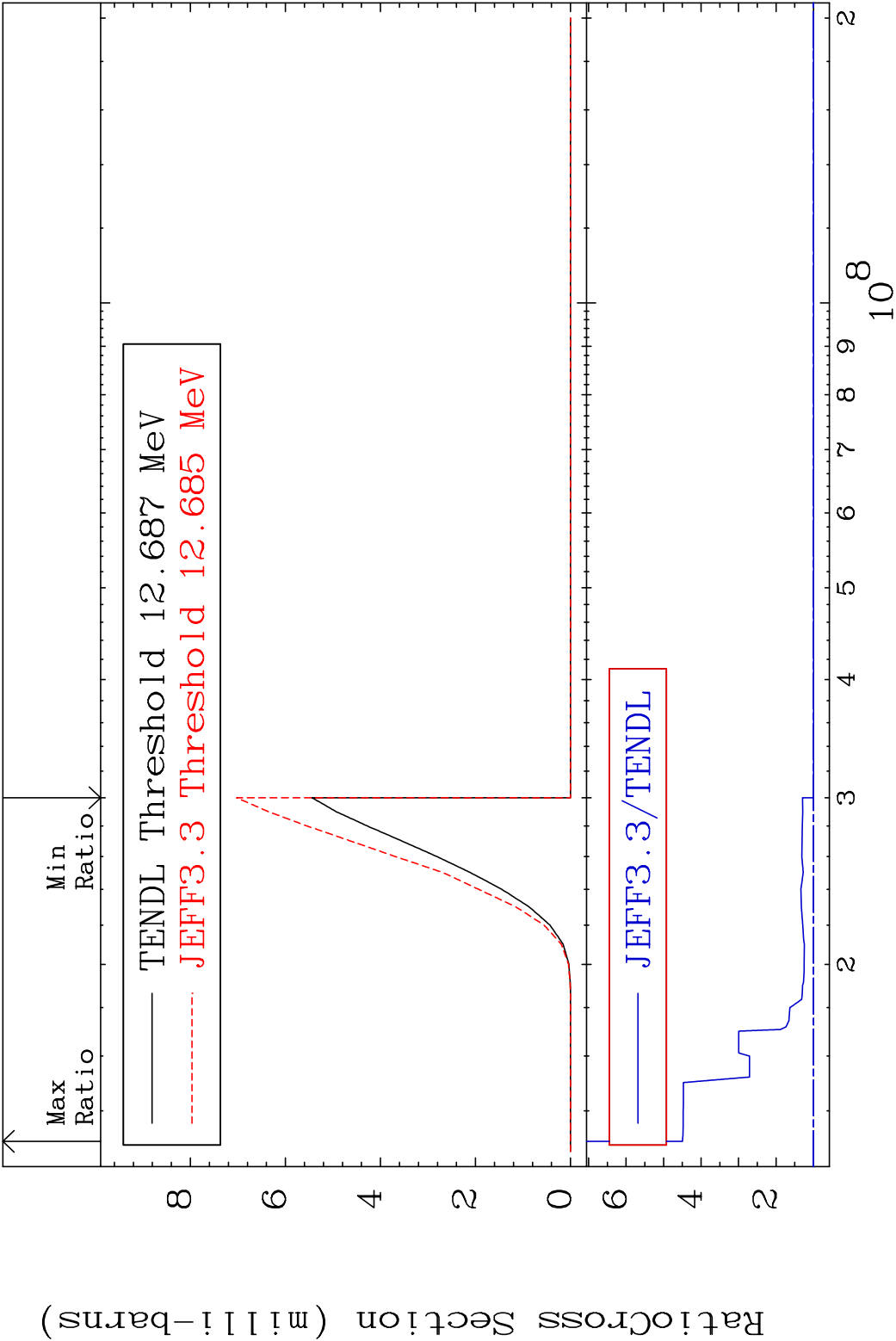


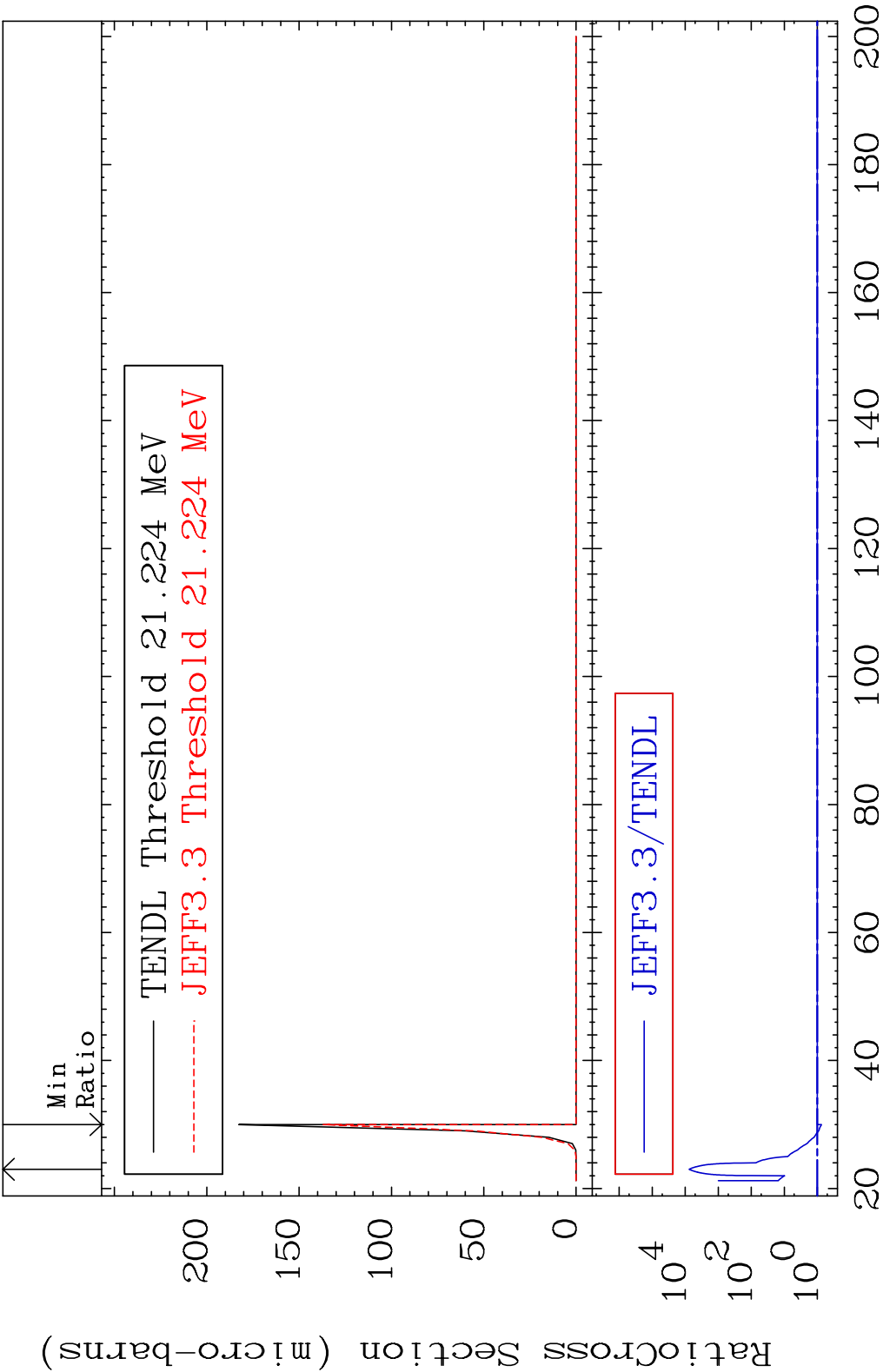


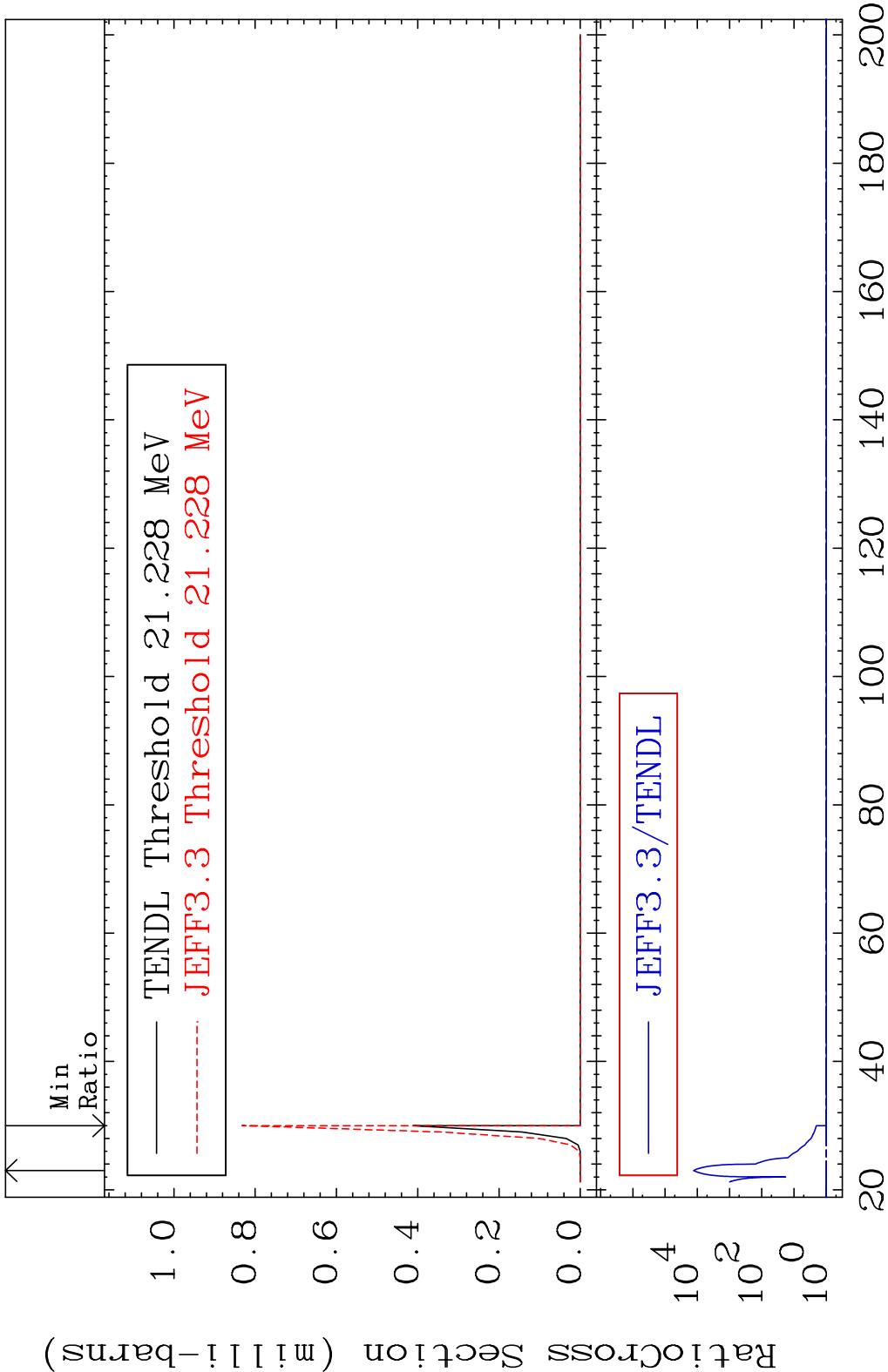


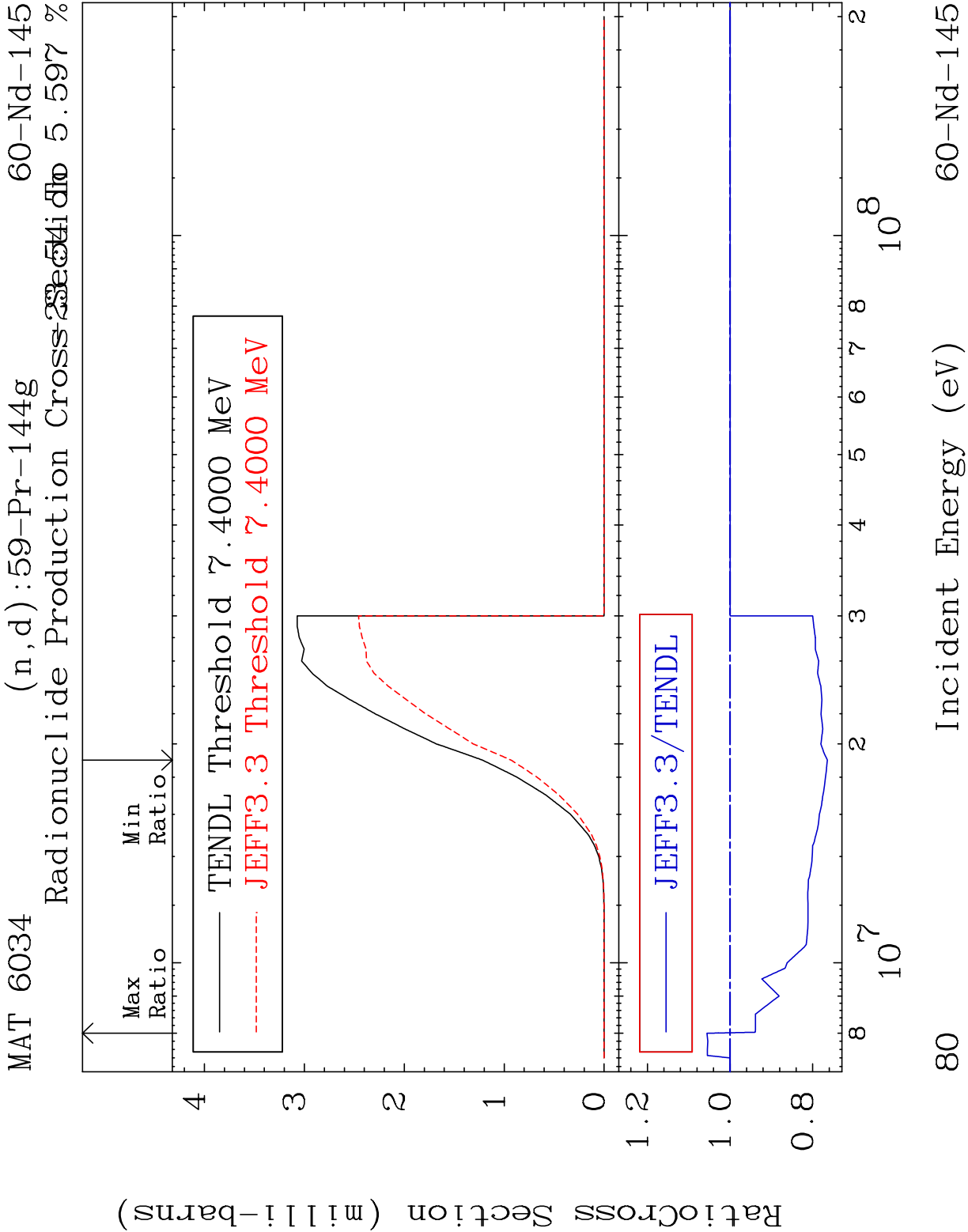












80

60-Nd-145

