

Program Complot
(Version 2021-1)

by

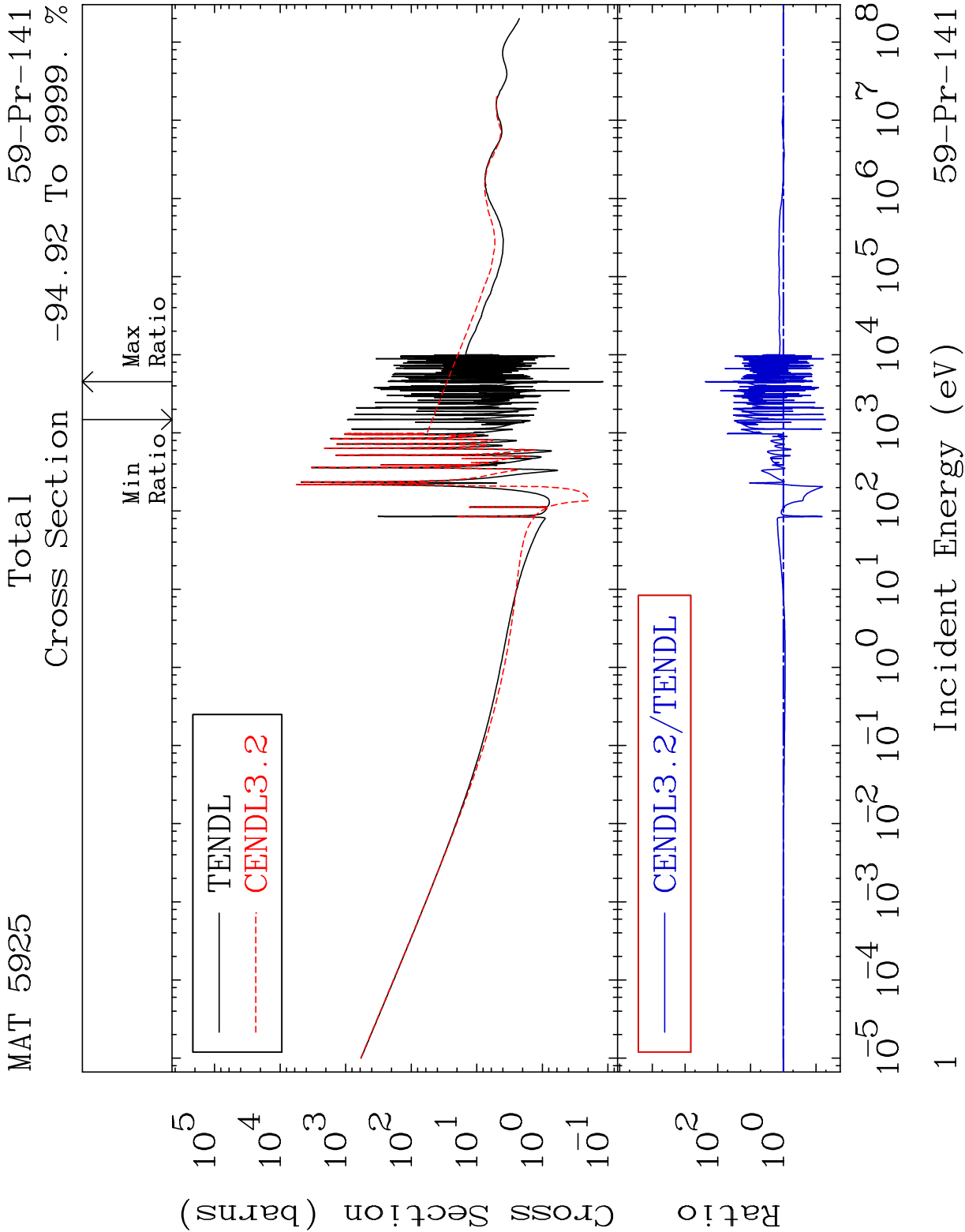
Dermott E. Cullen
(Present Contact Information)

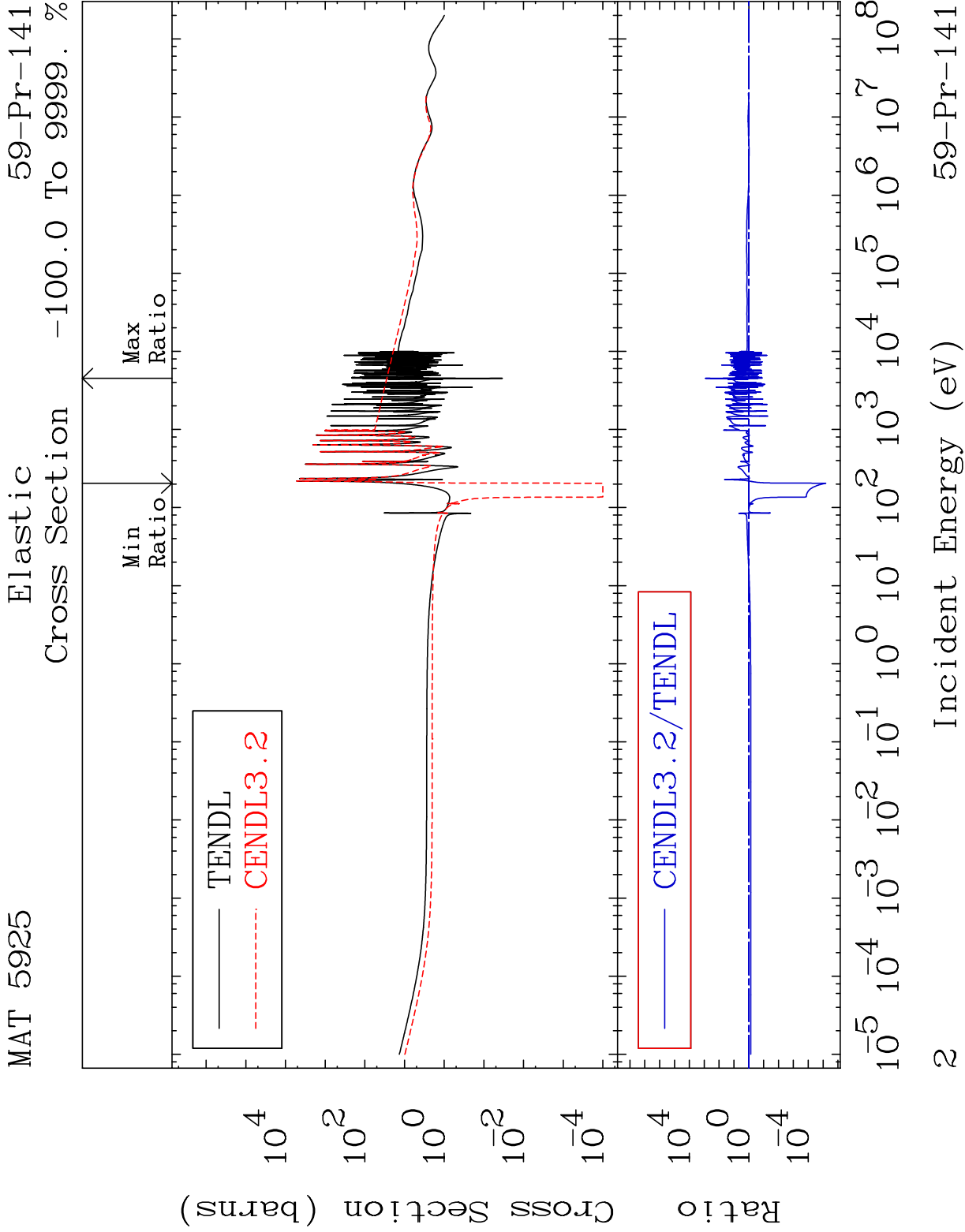
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Press Mouse Button to Start





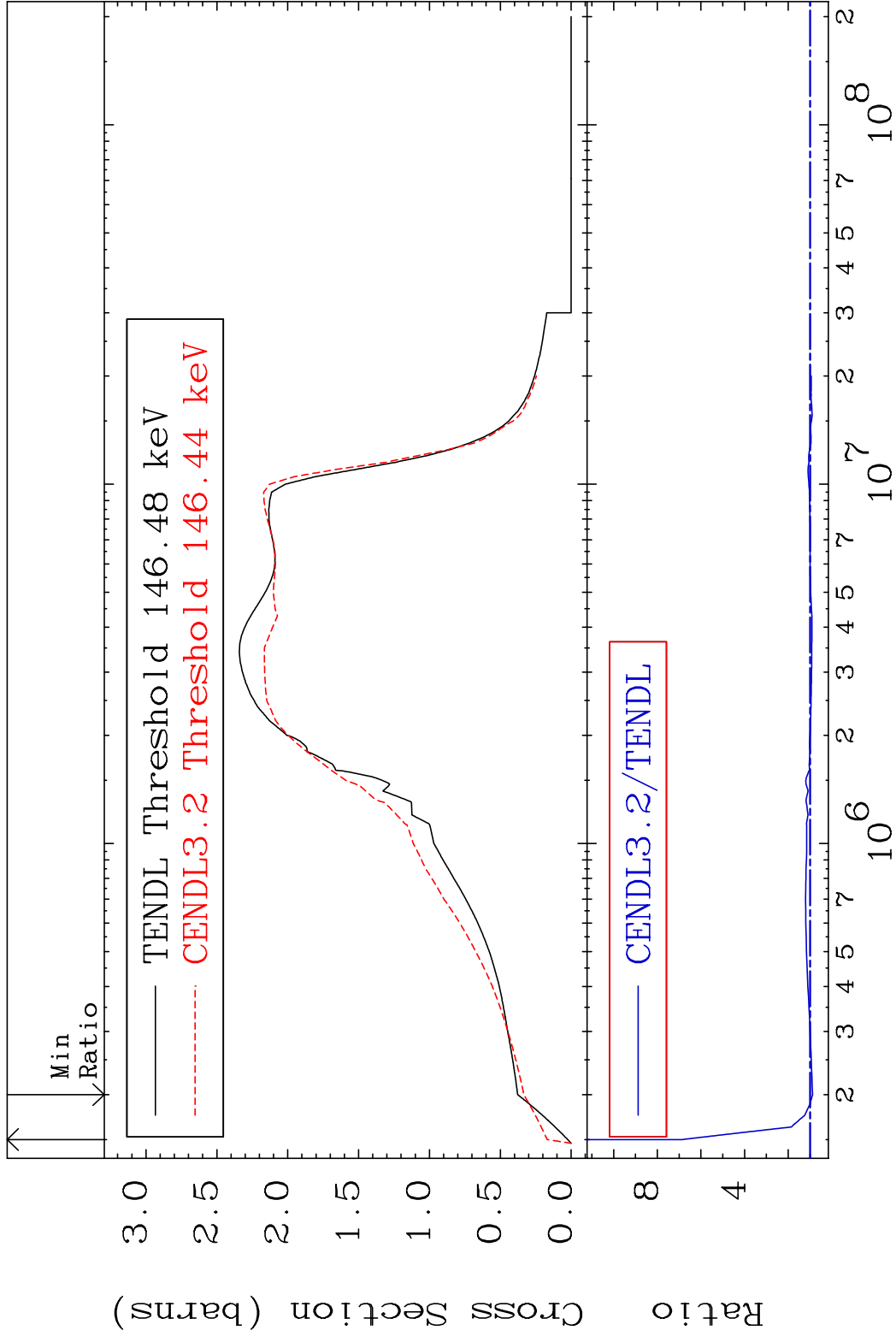
MAT 5925

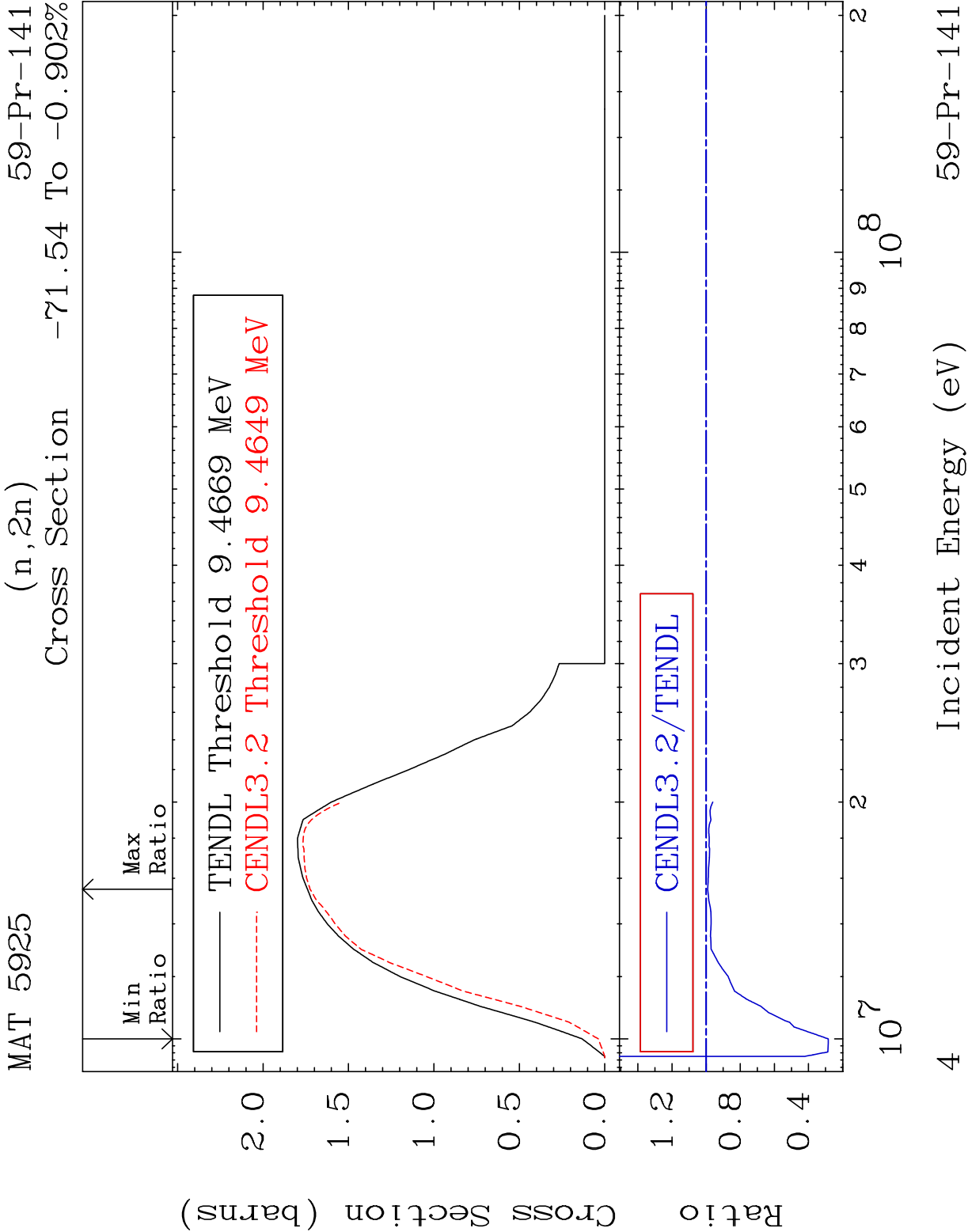
Inelastic

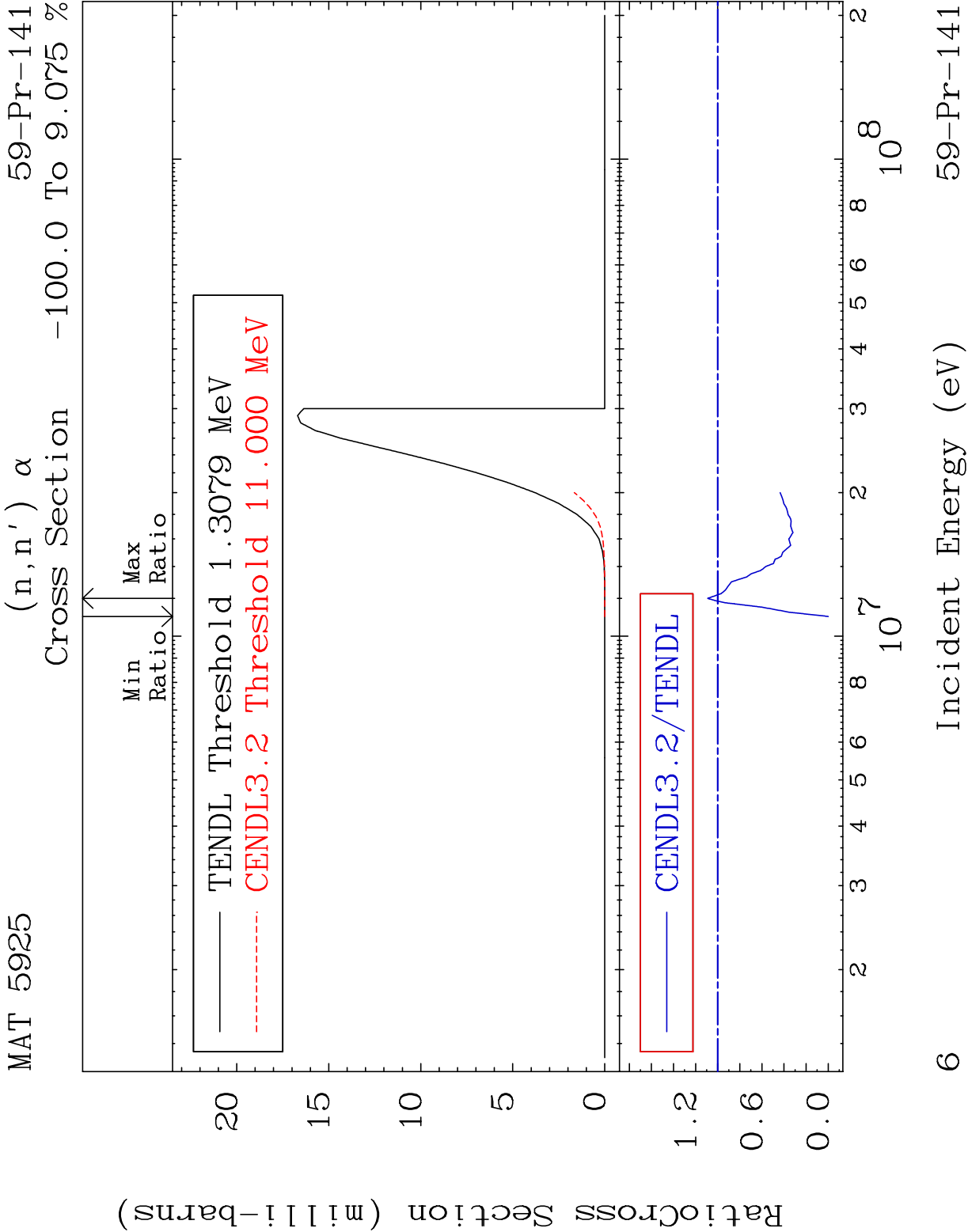
59-Pr-141

Cross Section

-11.42 To 585.3 %



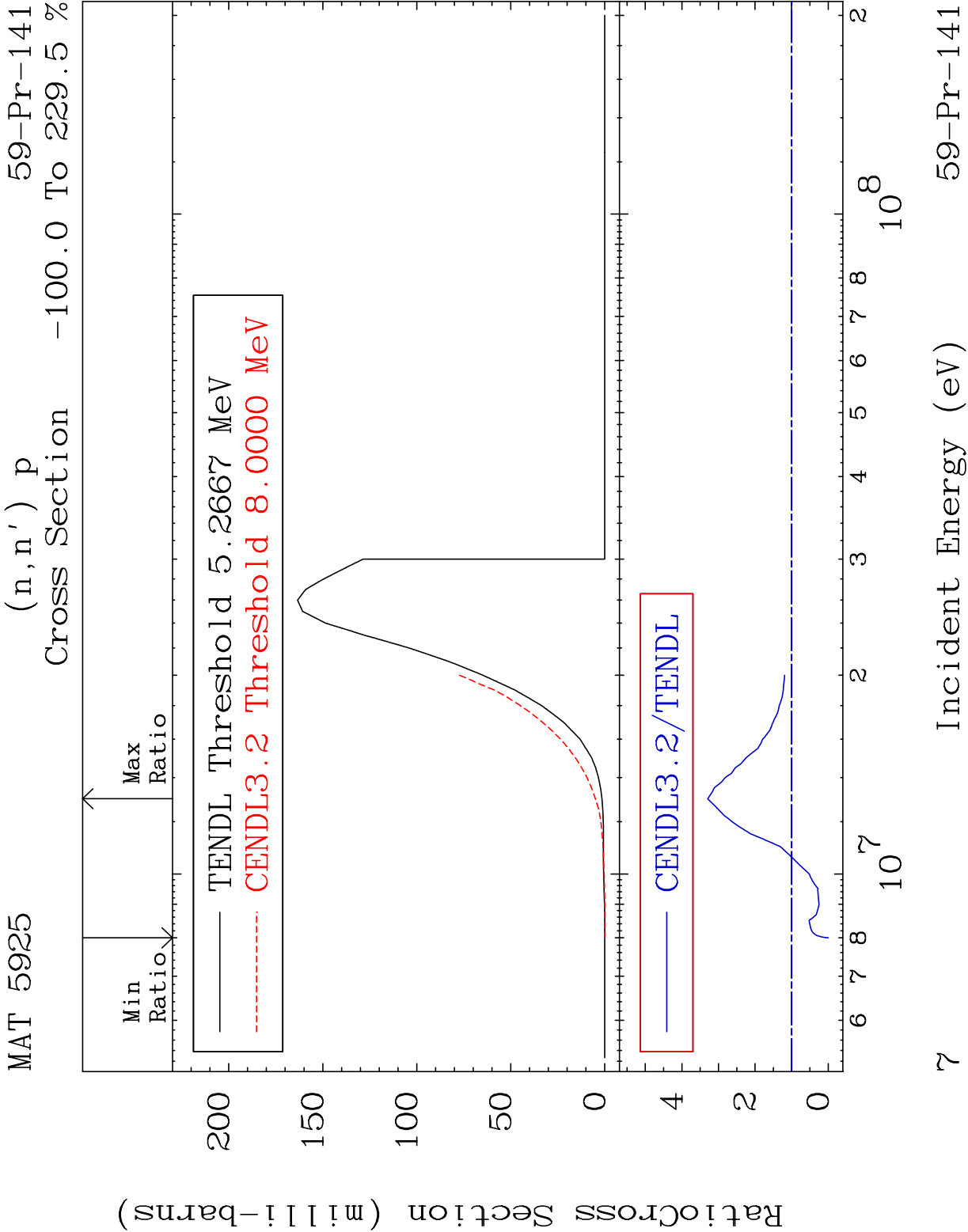




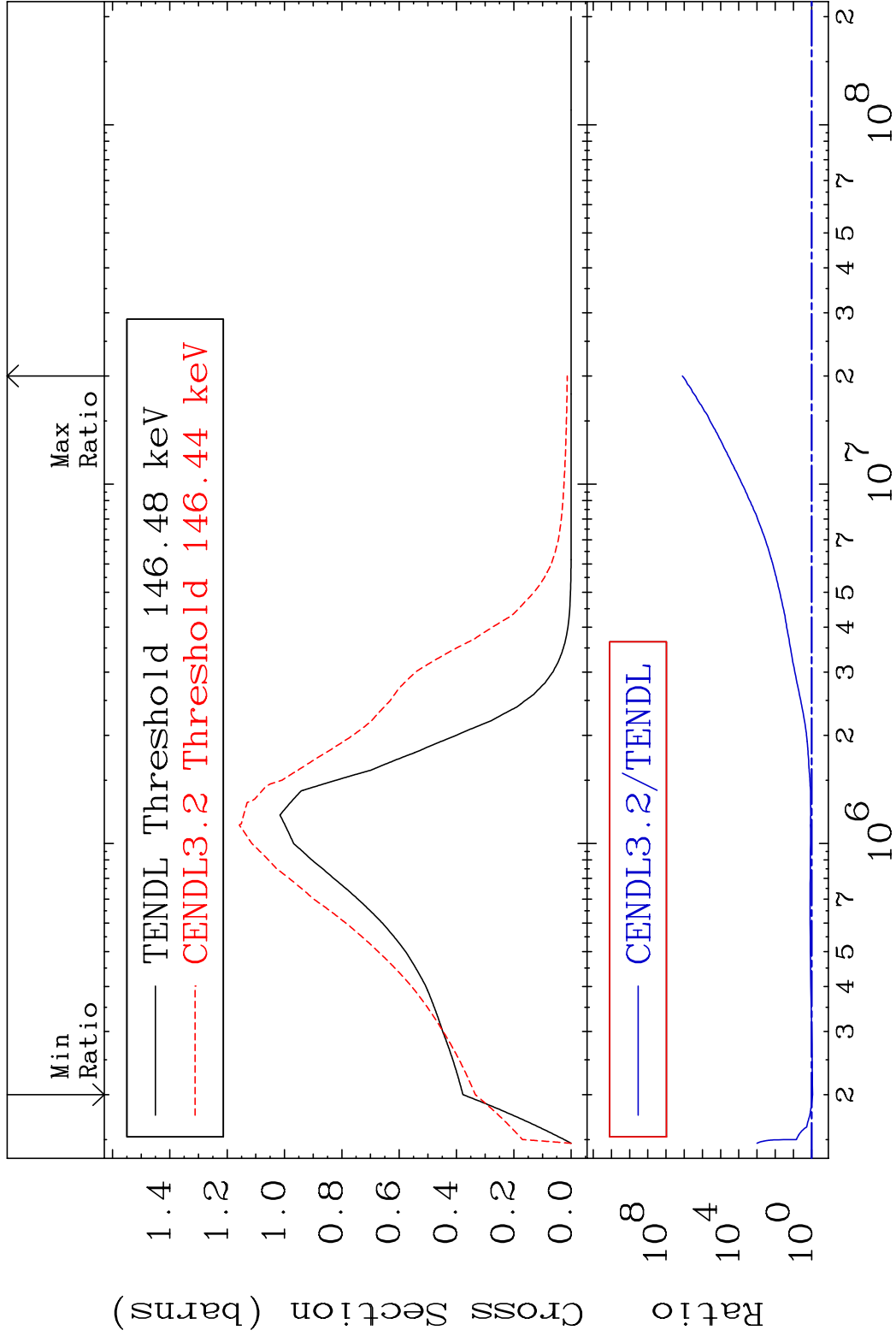
6

Incident Energy (eV)

59-Pr-141



MAT 5925 MT= 51 (n,n') Level 59-Pr-141
Cross Section -11.42 To 9999. %



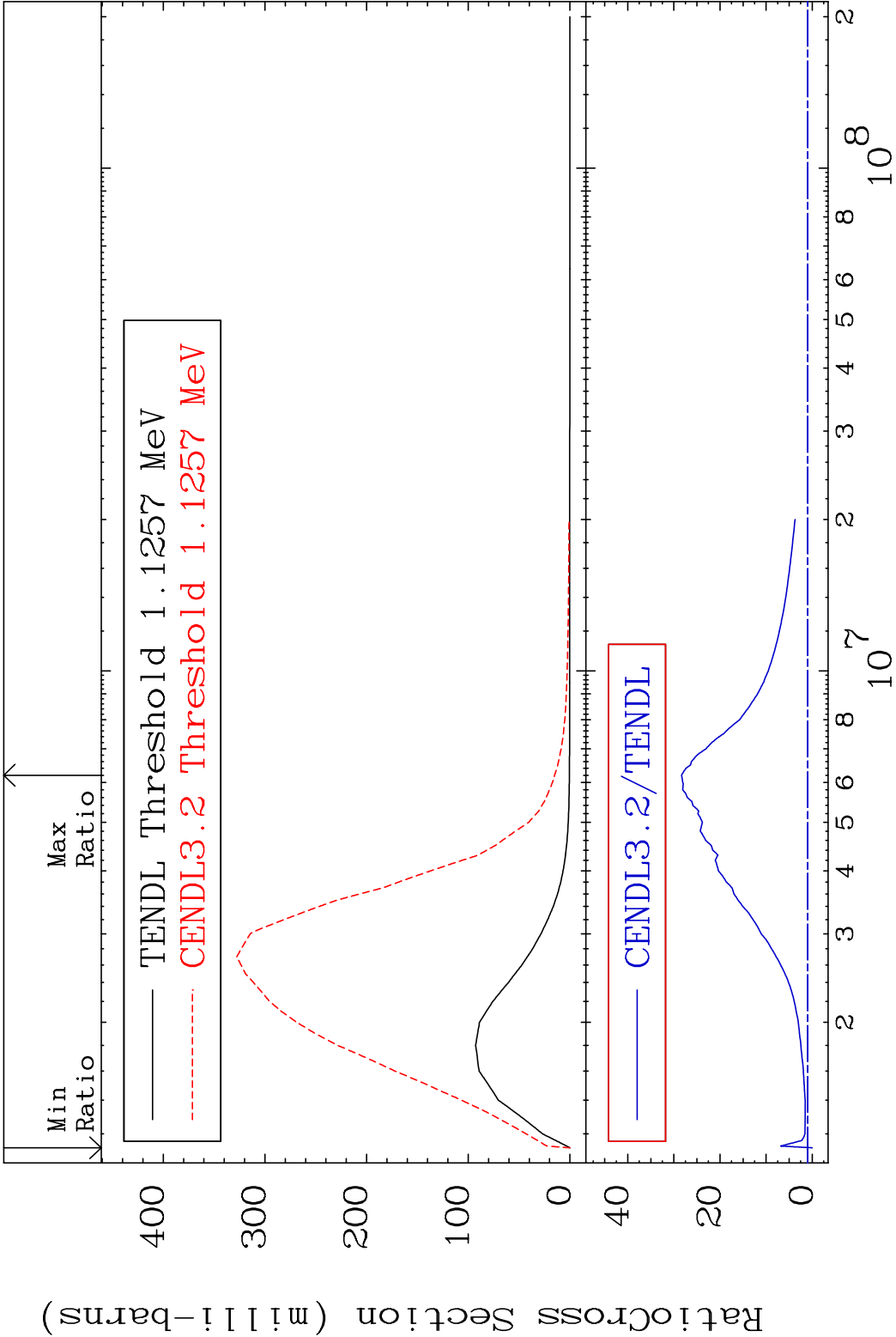
MAT 5925

MT= 52 (n,n') Level

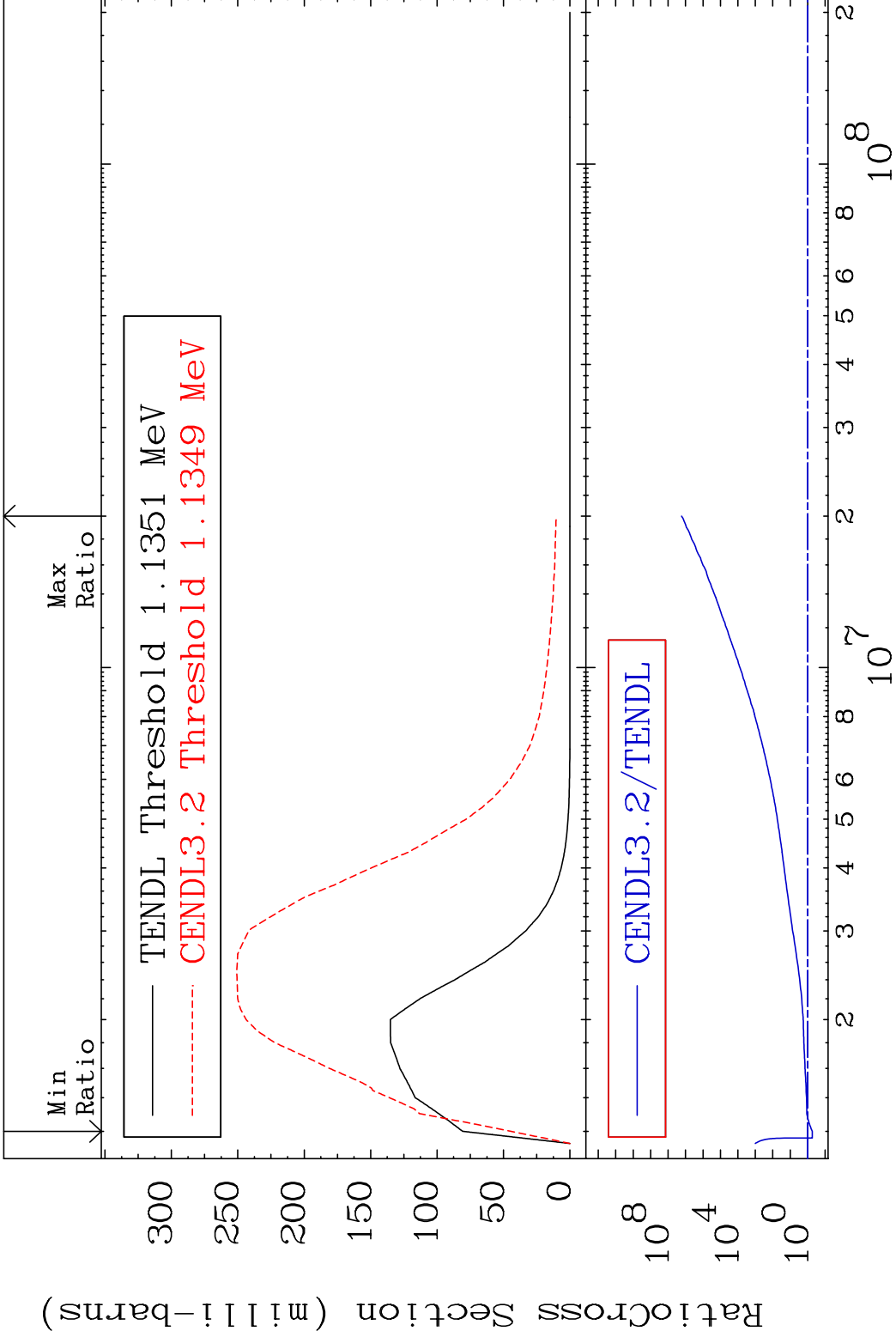
59-Pr-141

Cross Section

-100.0 To 2734. %



MAT 5925 MT= 53 (n,n') Level 59-Pr-141
Cross Section -45.16 To 9999. %



10 Incident Energy (eV) 59-Pr-141

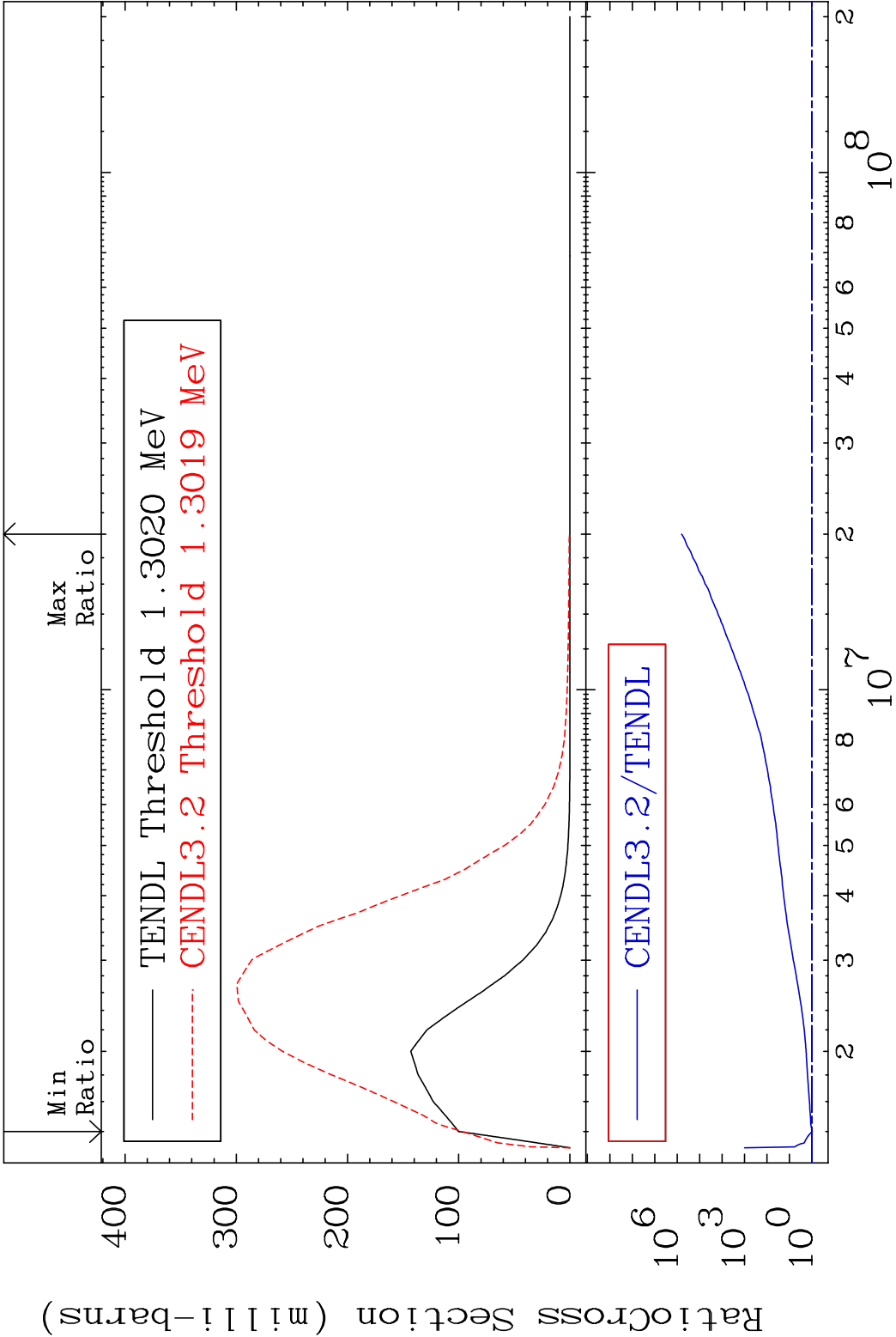
MAT 5925

MT= 54 (n,n') Level

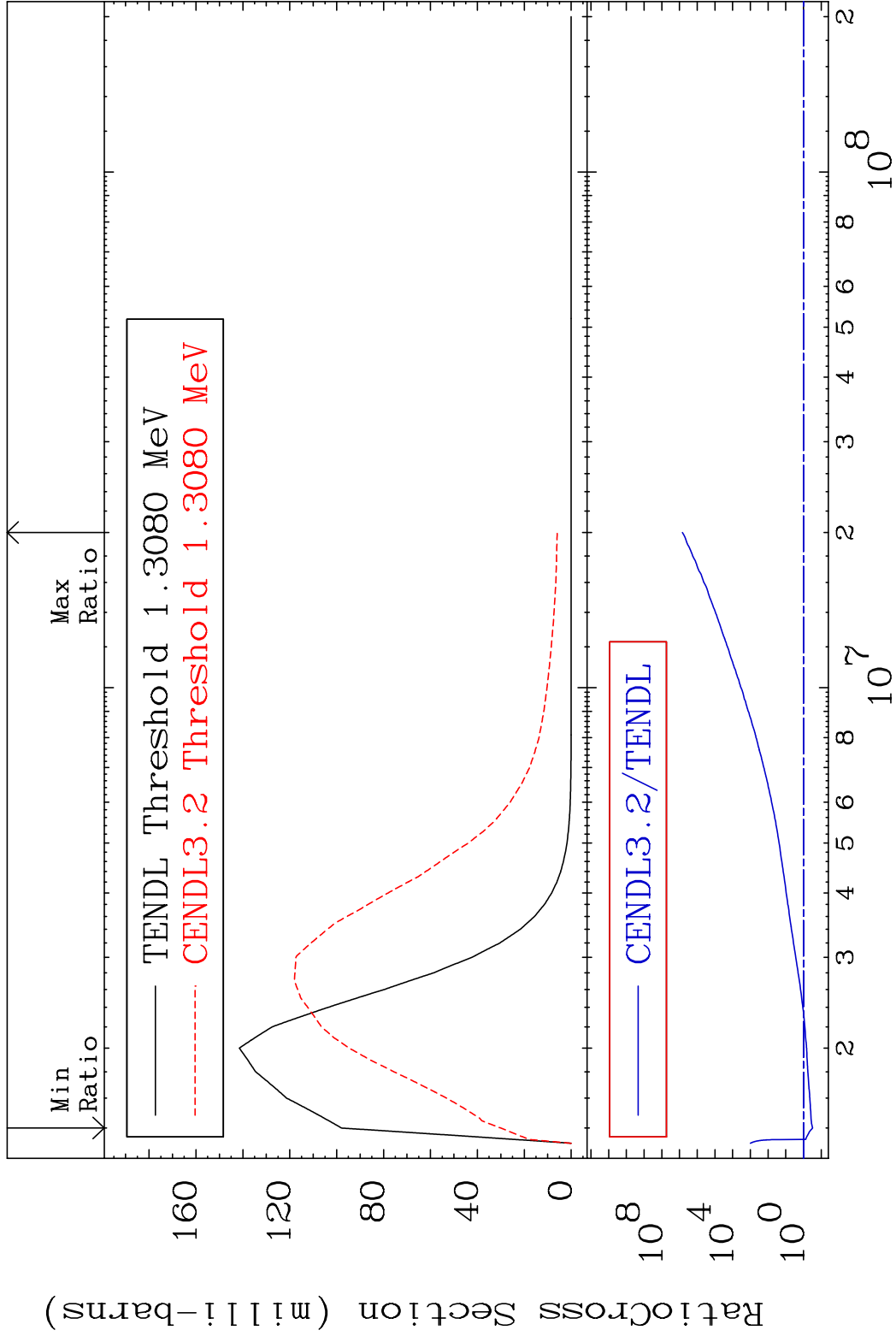
59-Pr-141

Cross Section

-3.145 To 9999. %

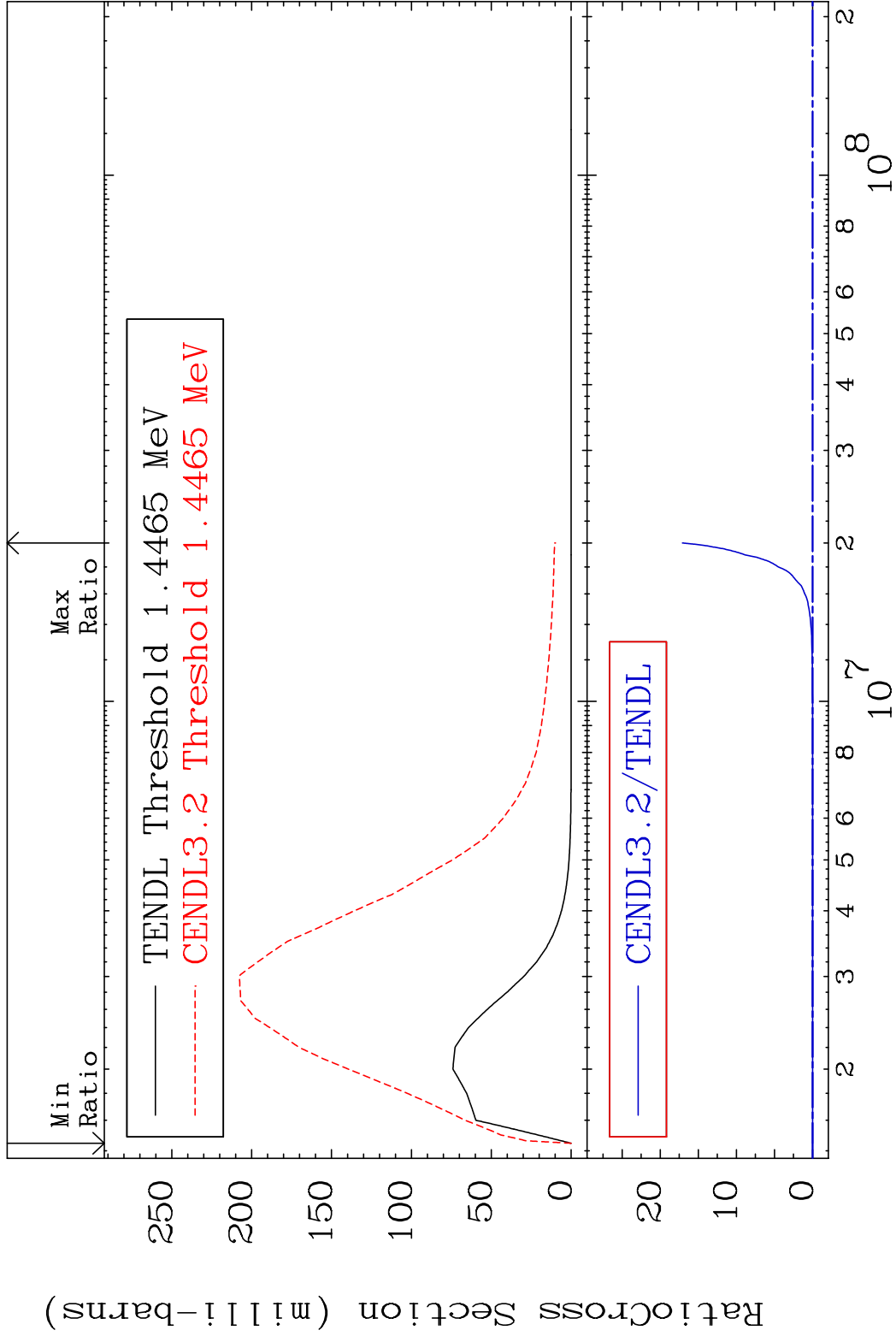


MAT 5925 MT= 55 (n,n') Level 59-Pr-141
Cross Section -69.29 To 9999. %

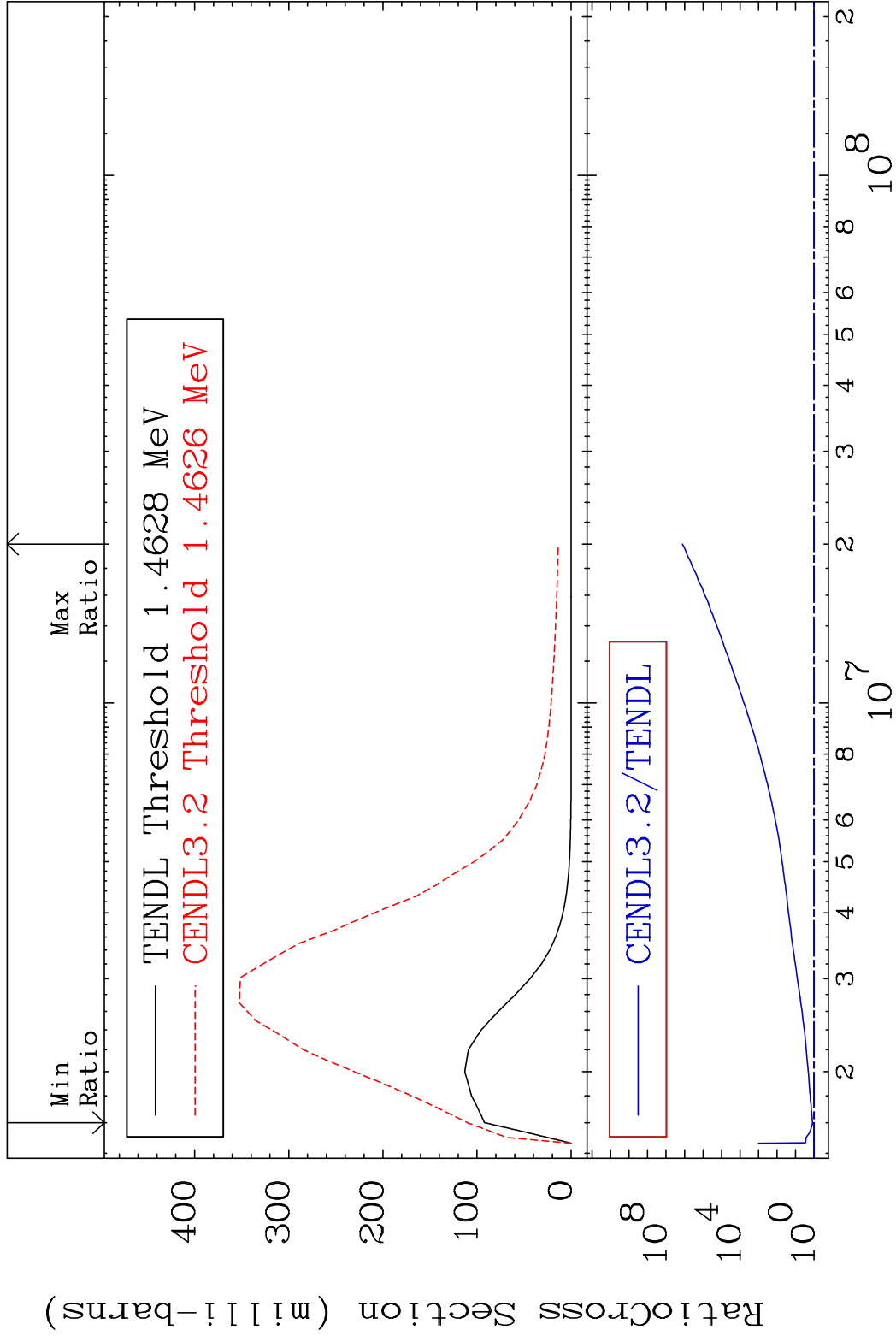


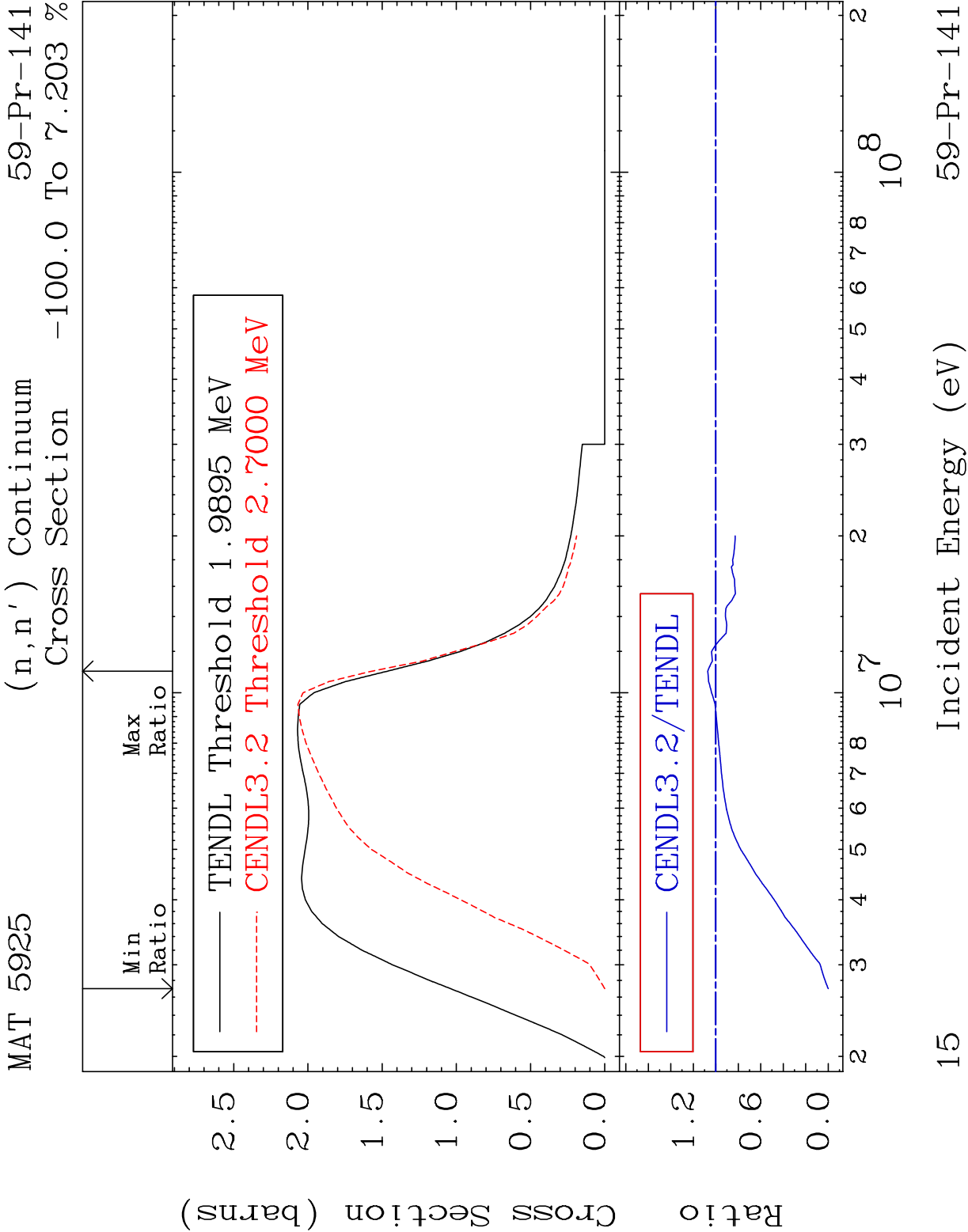
12 Incident Energy (eV) 59-Pr-141

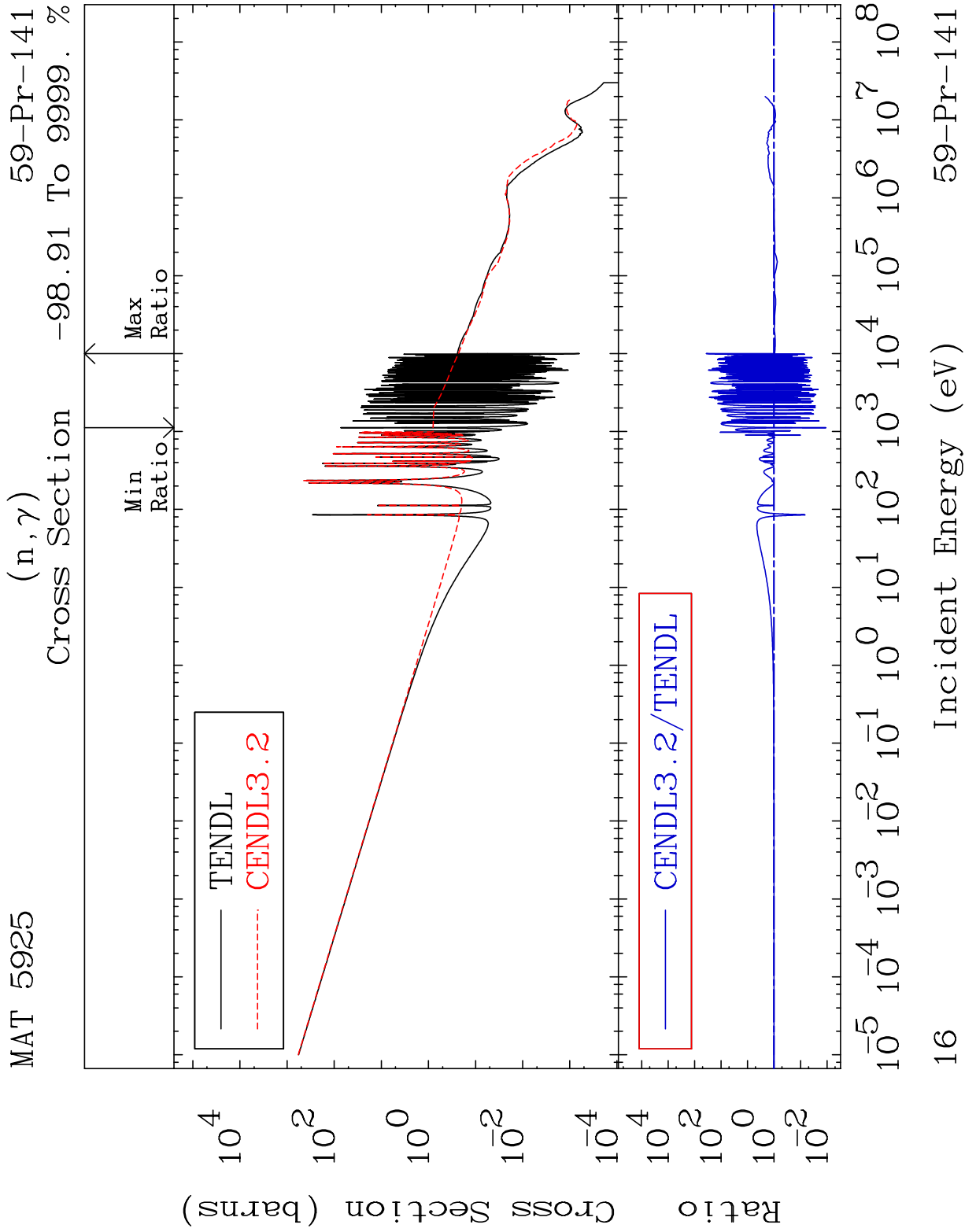
MAT 5925 MT= 56 (n,n') Level 59-Pr-141
Cross Section -100.0 To 9999. %

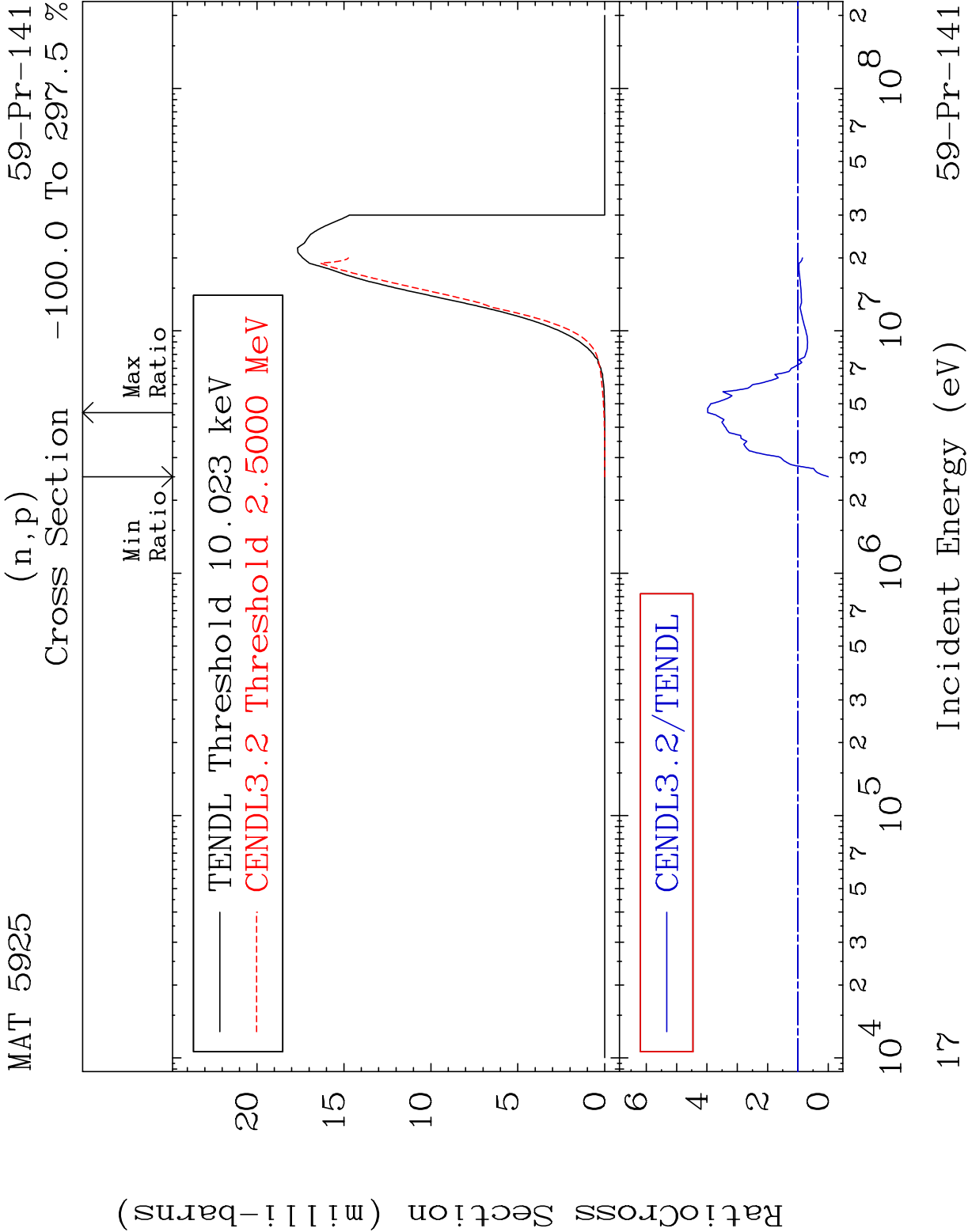


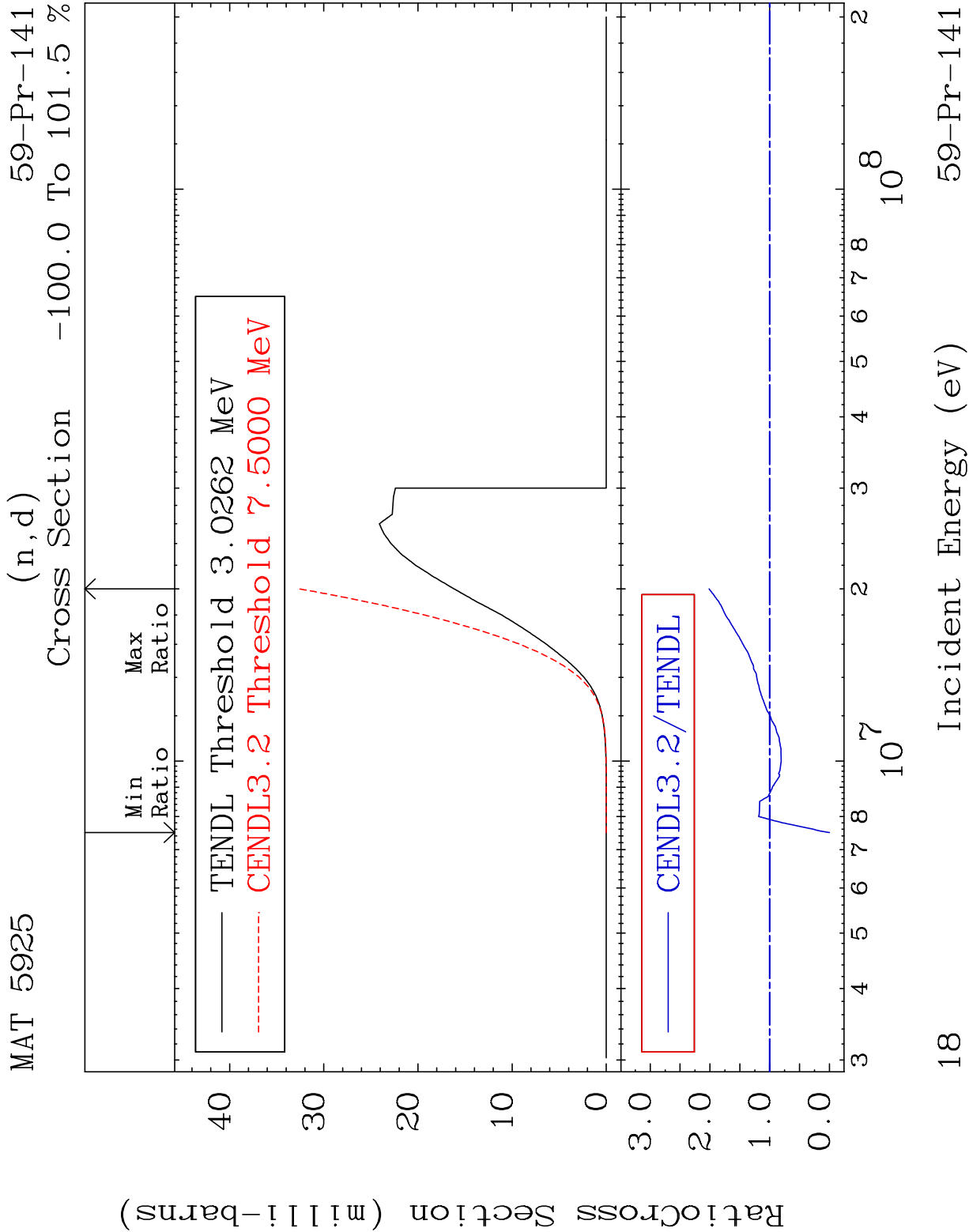
MAT 5925 MT= 57 (n,n') Level 59-Pr-141
Cross Section 19.79 To 9999. %

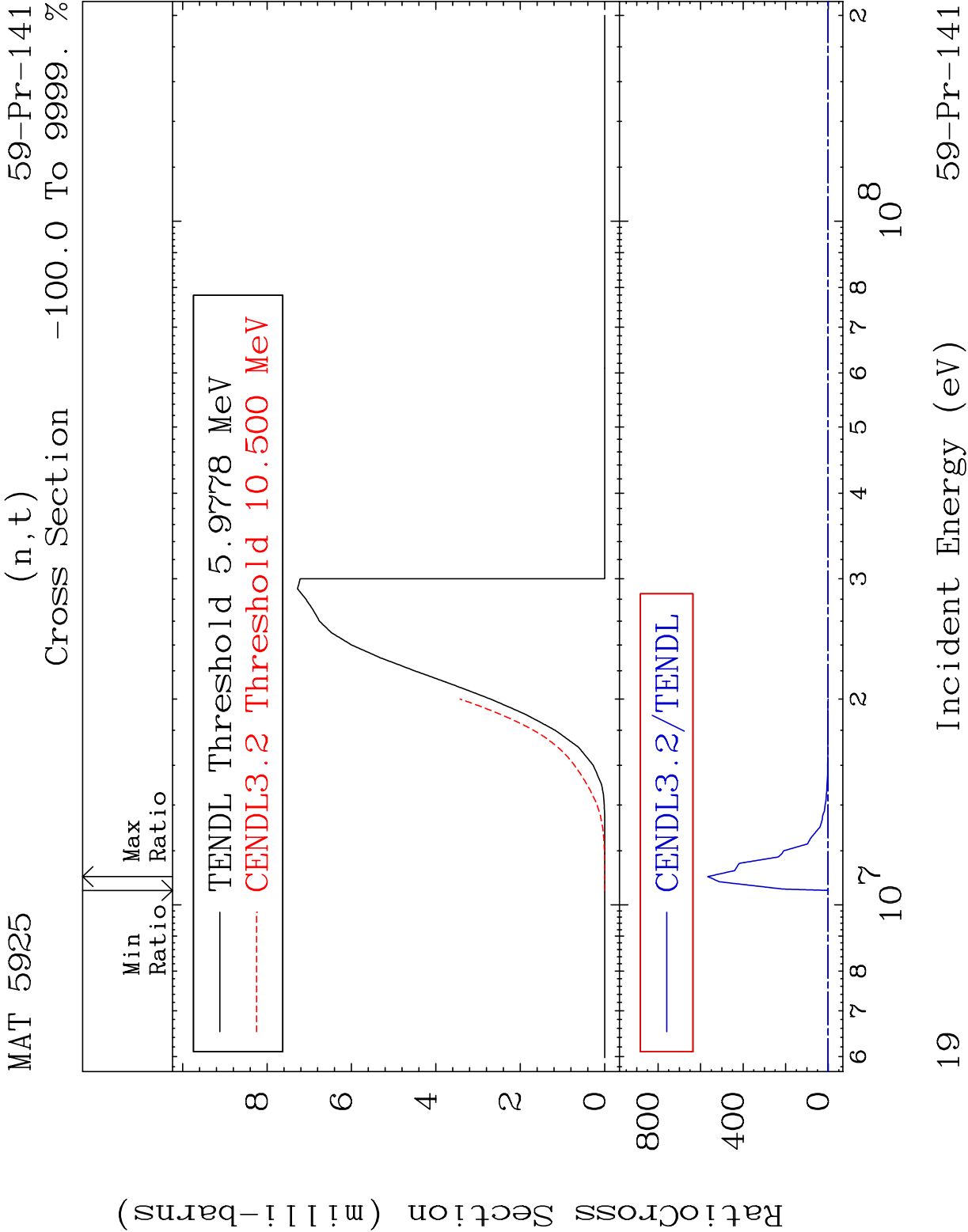










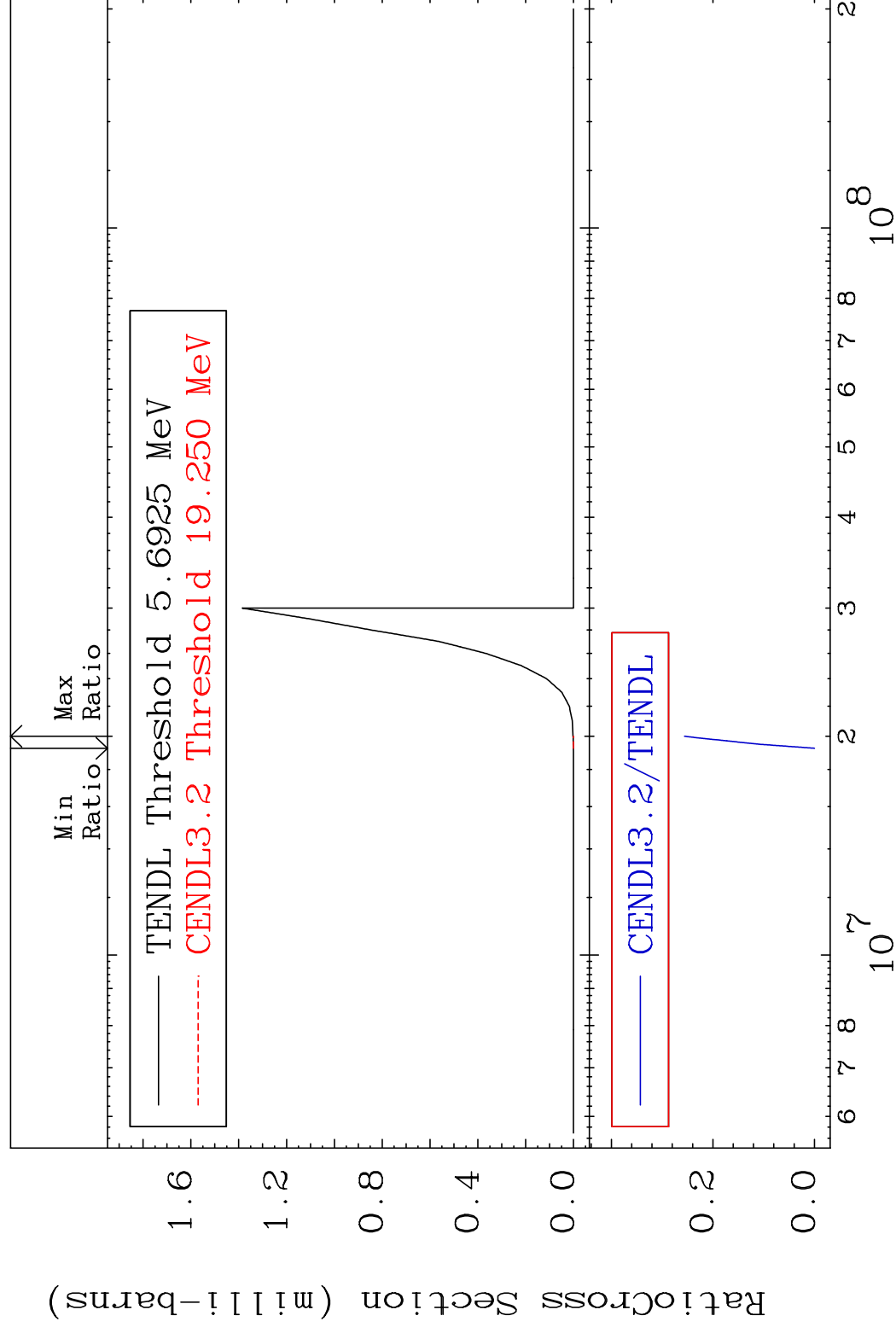


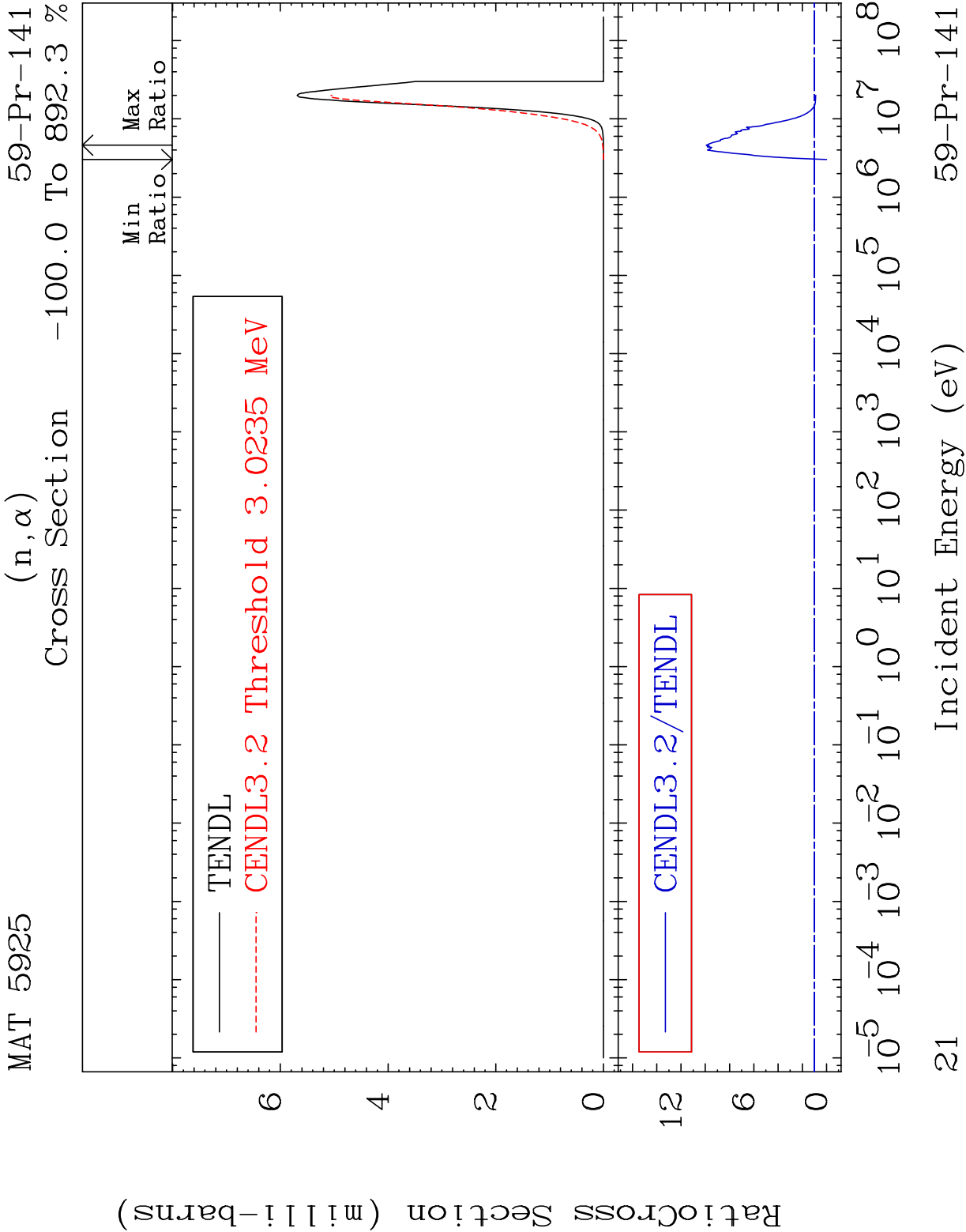
MAT 5925

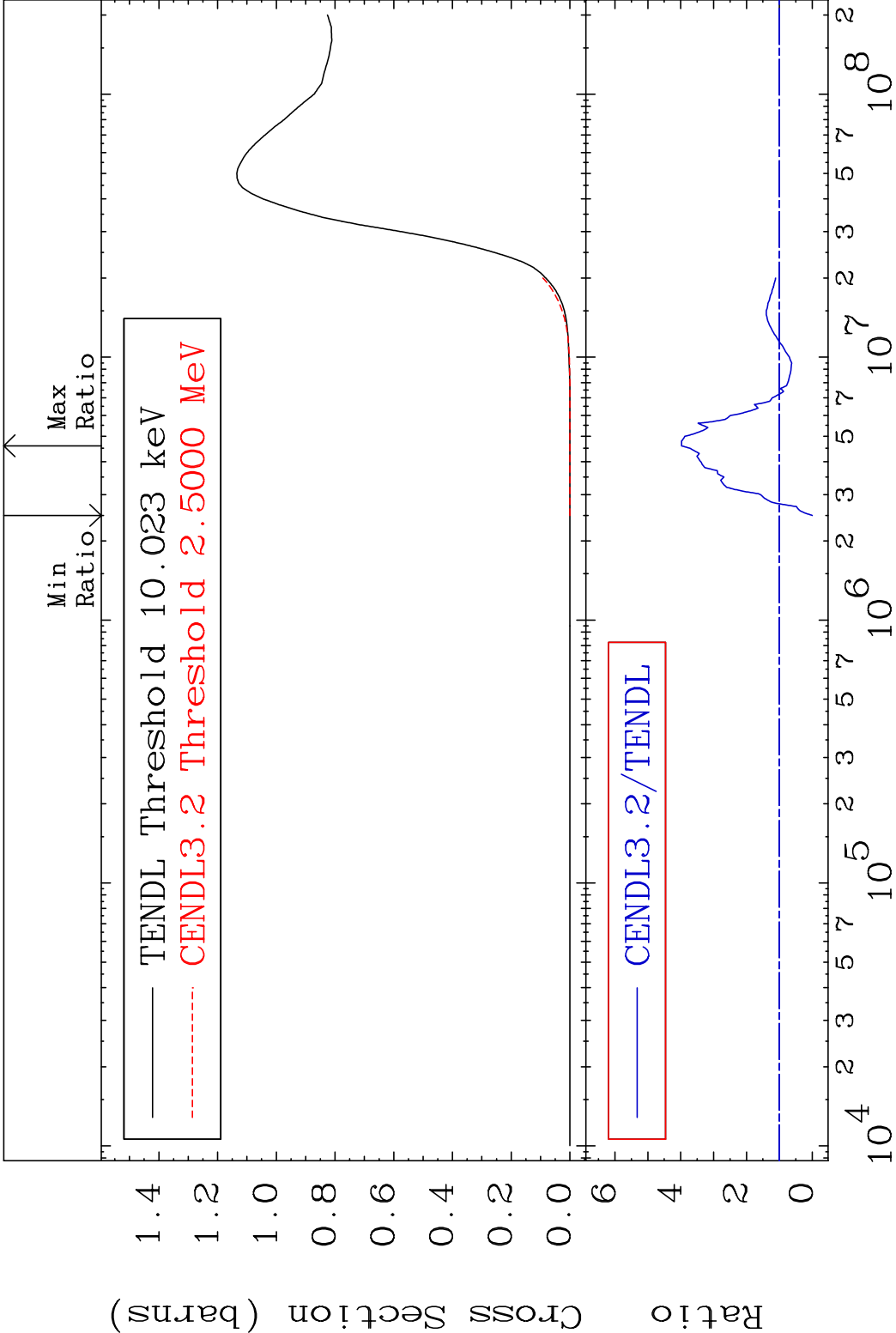
 $(n, \text{He-3})$

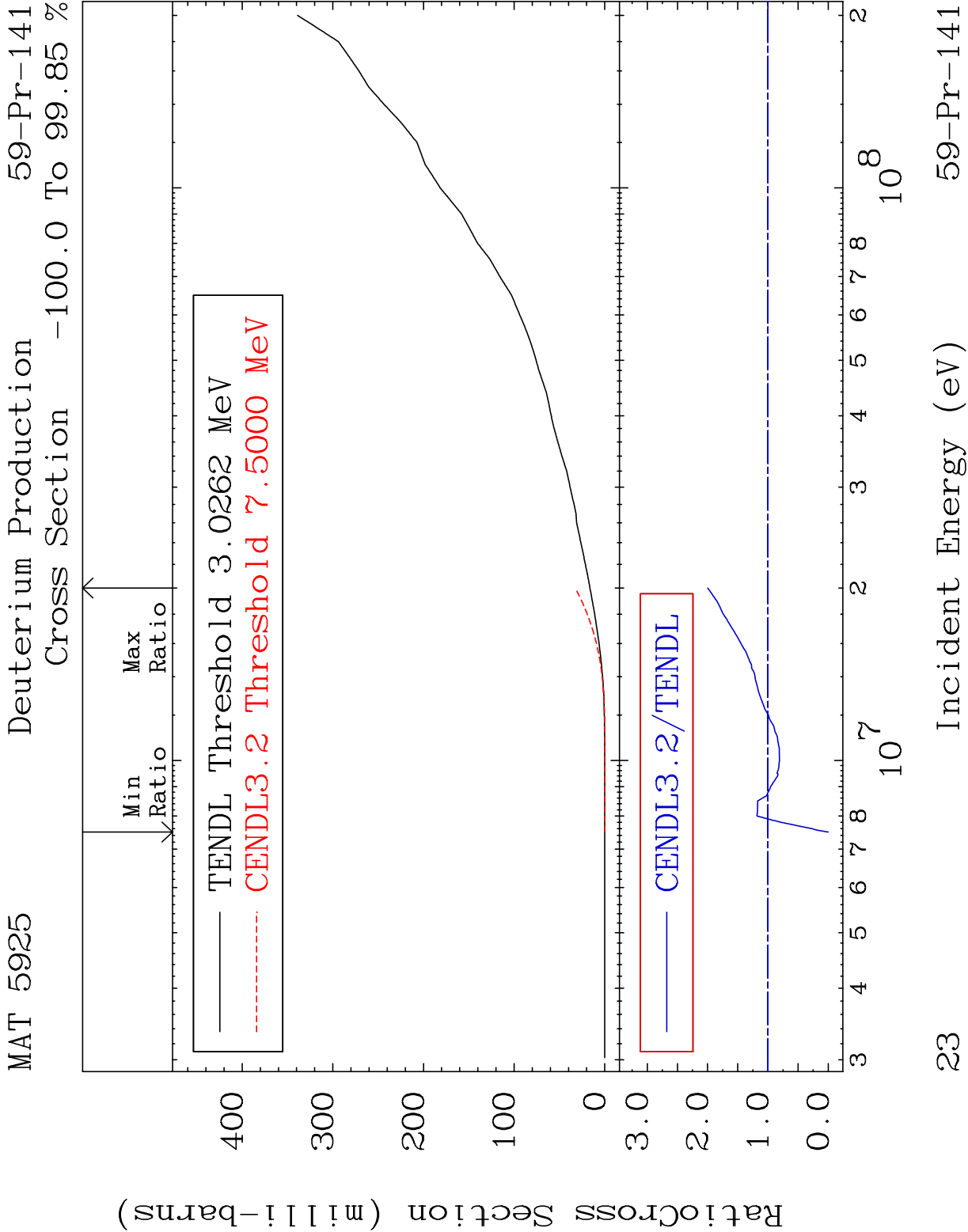
59-Pr-141

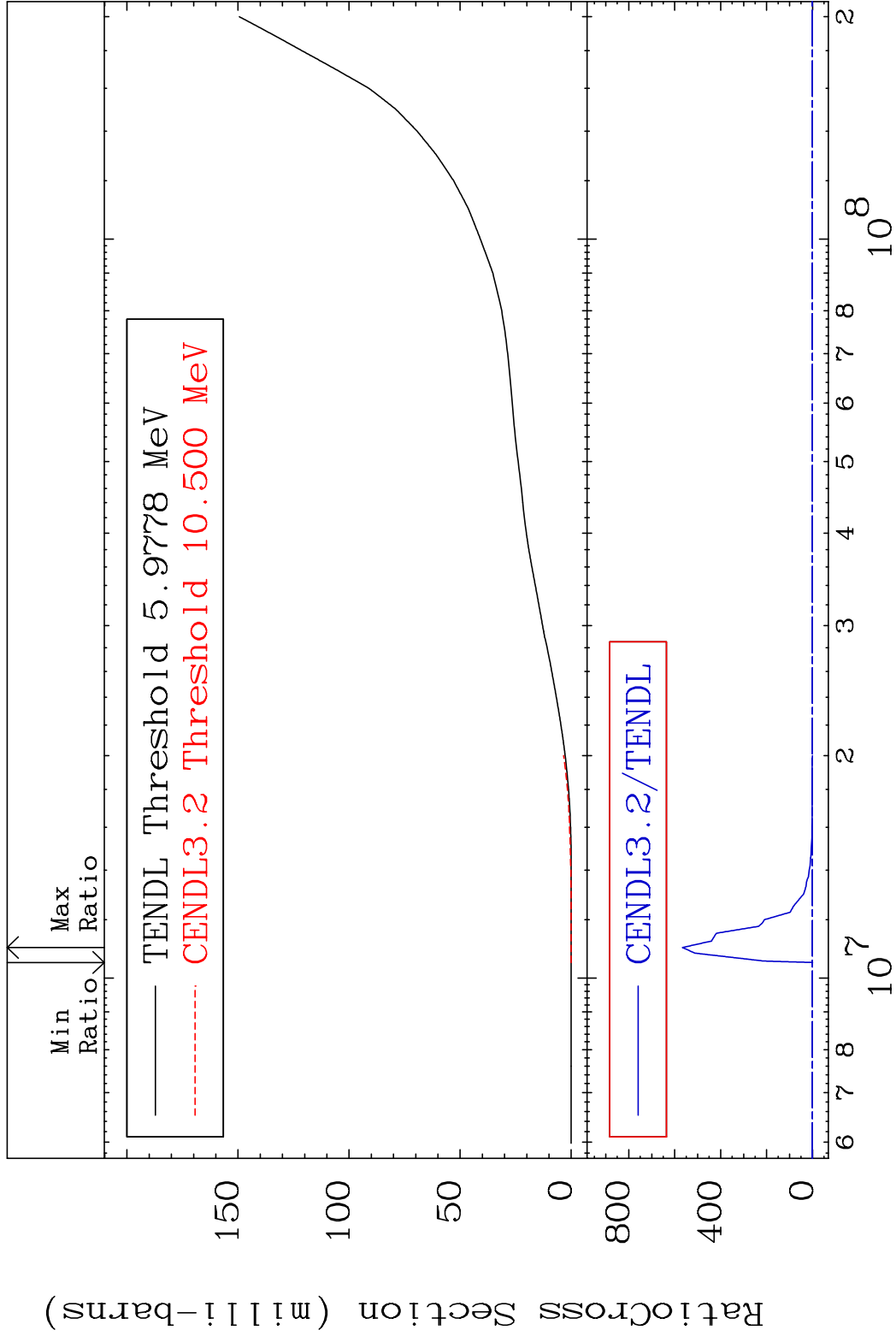
Cross Section -100.0 To -74.40%

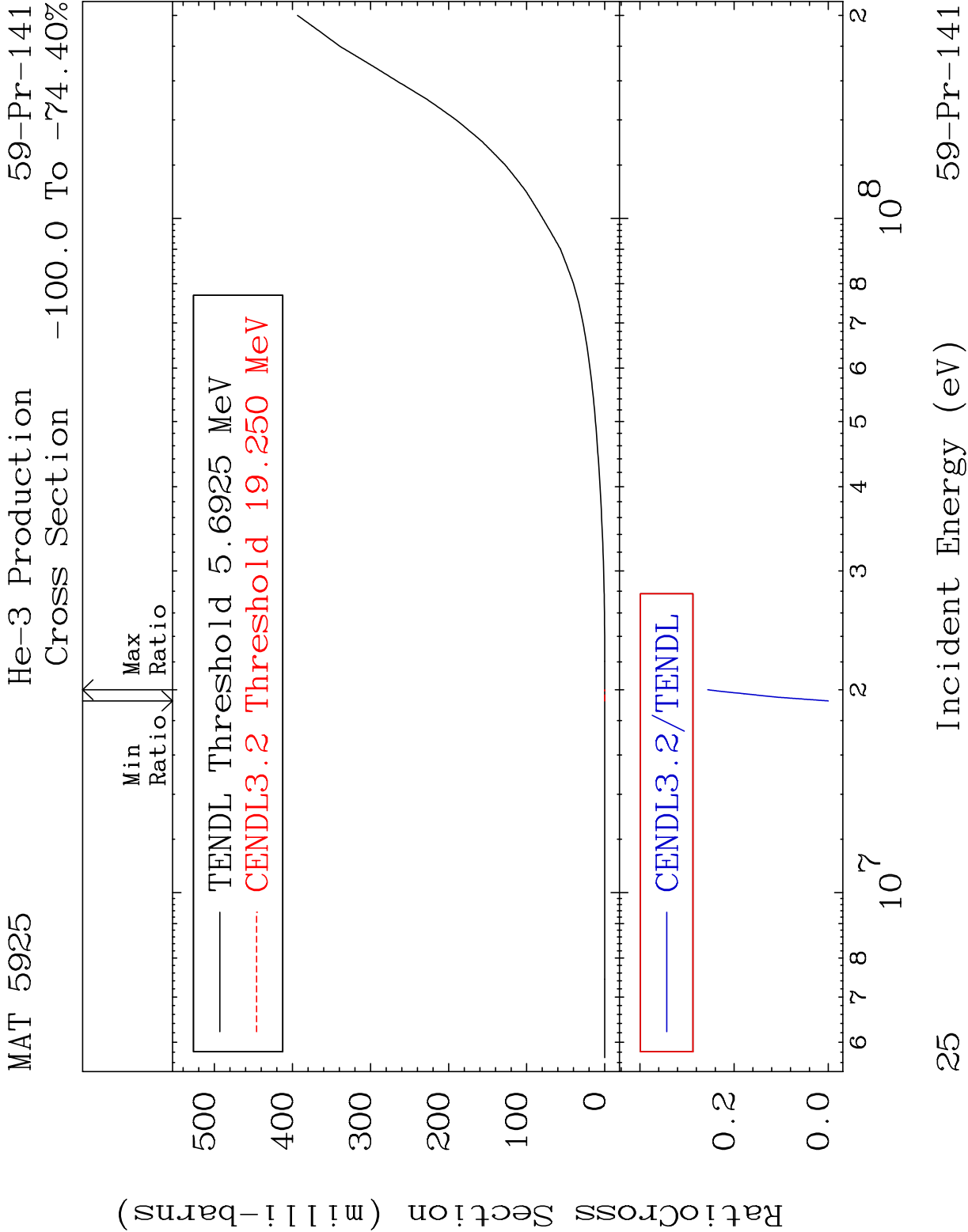


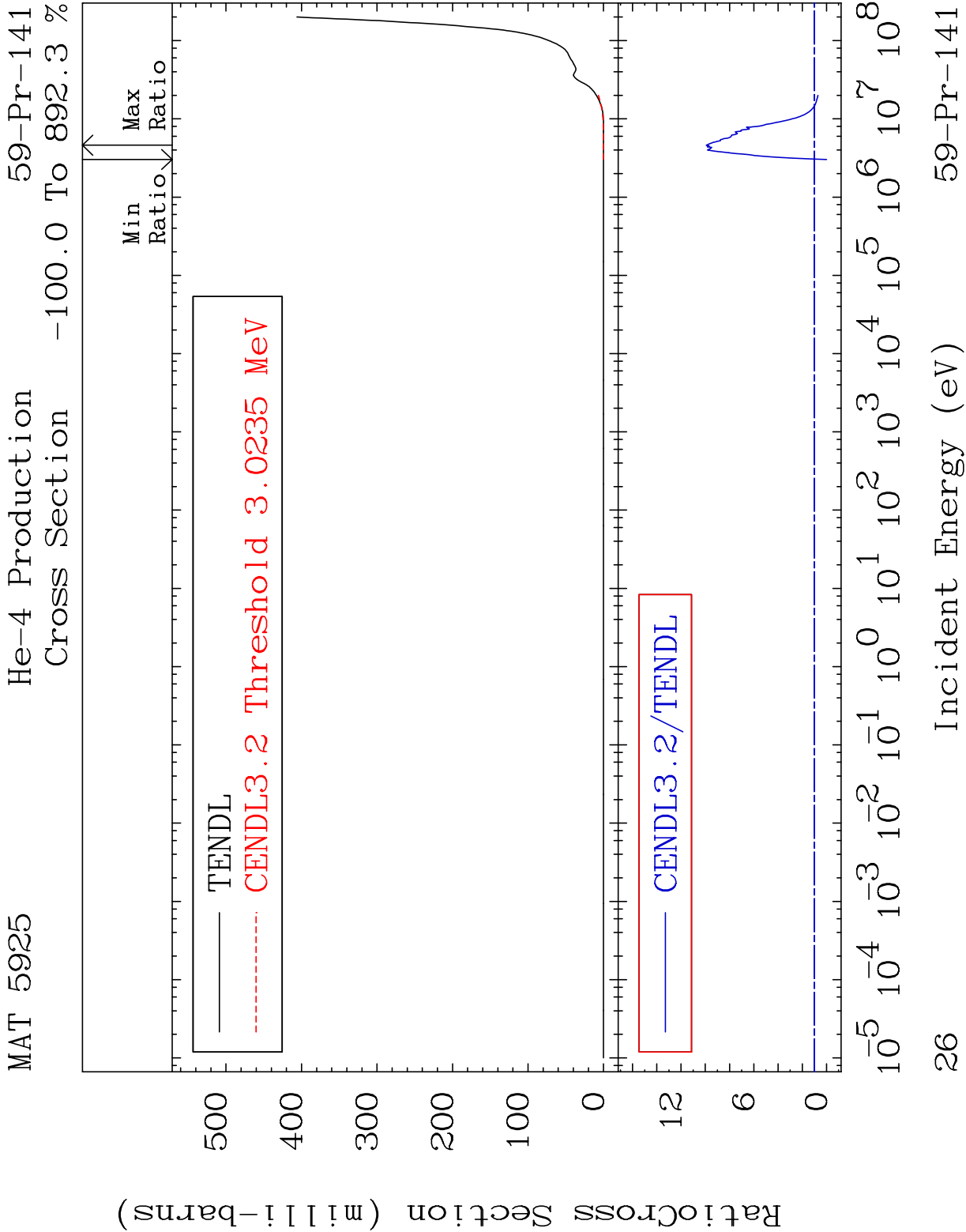












MAT 5925

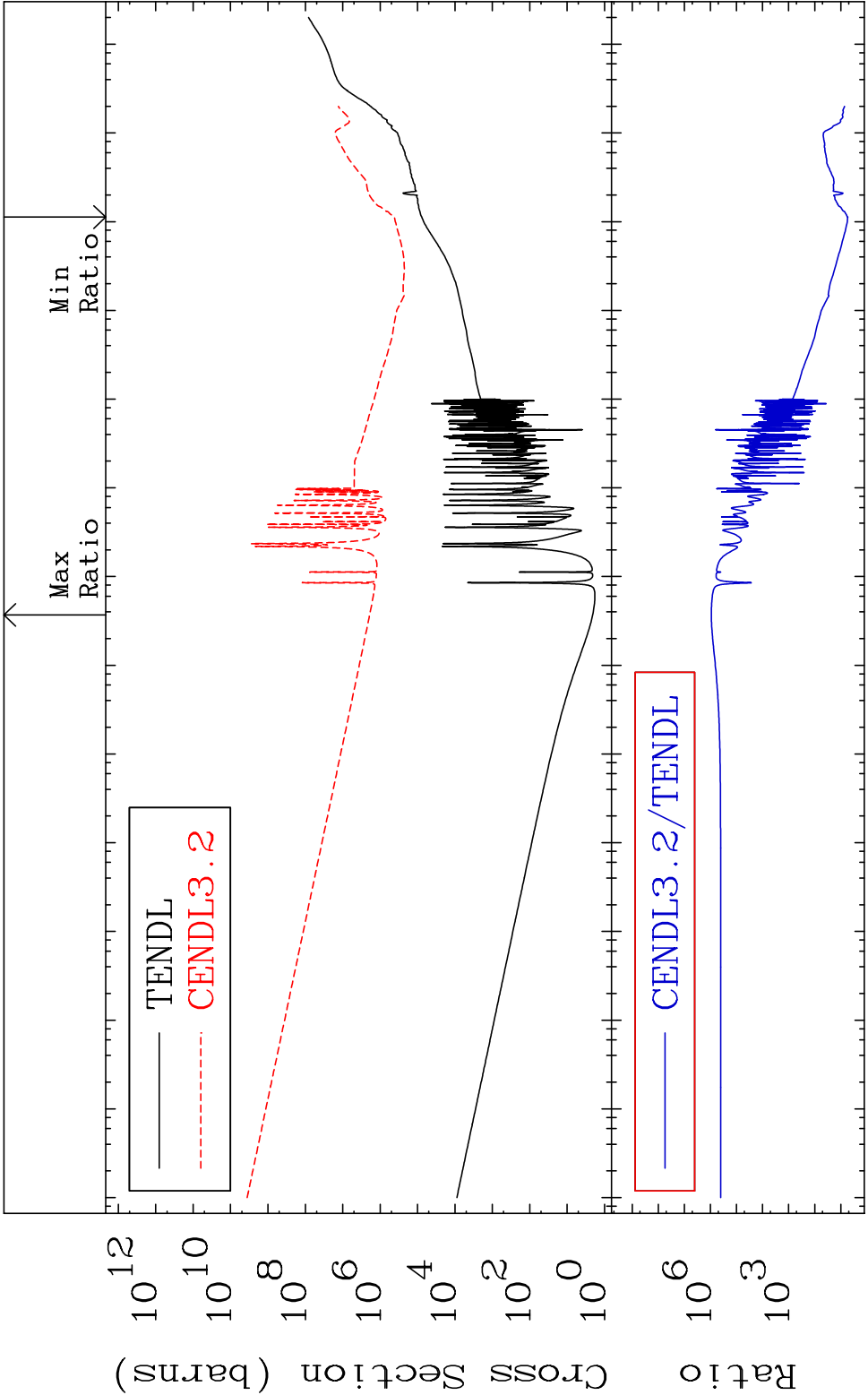
Kerma total (eV-barns)

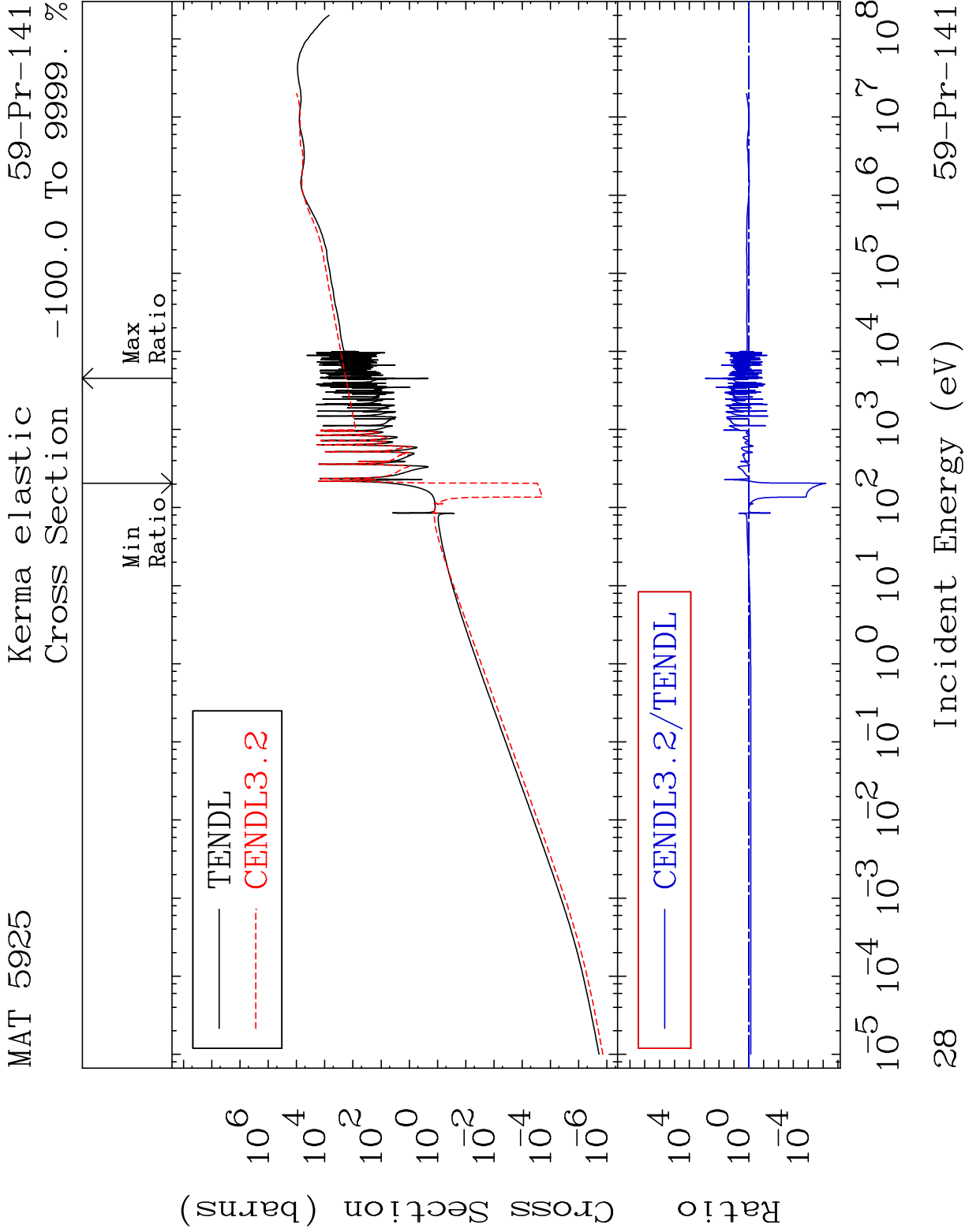
59-Pr-141

Cross Section

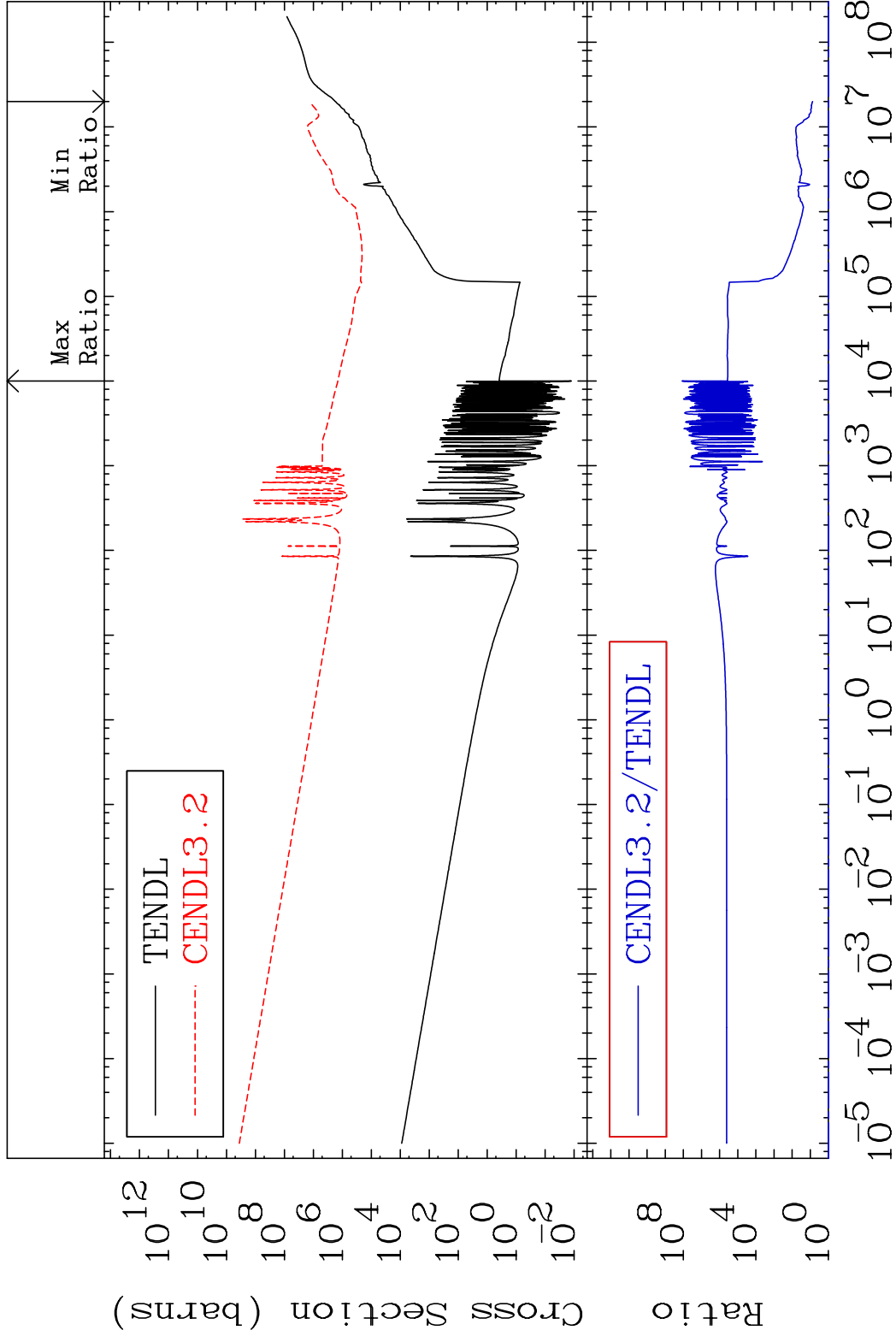
442.3

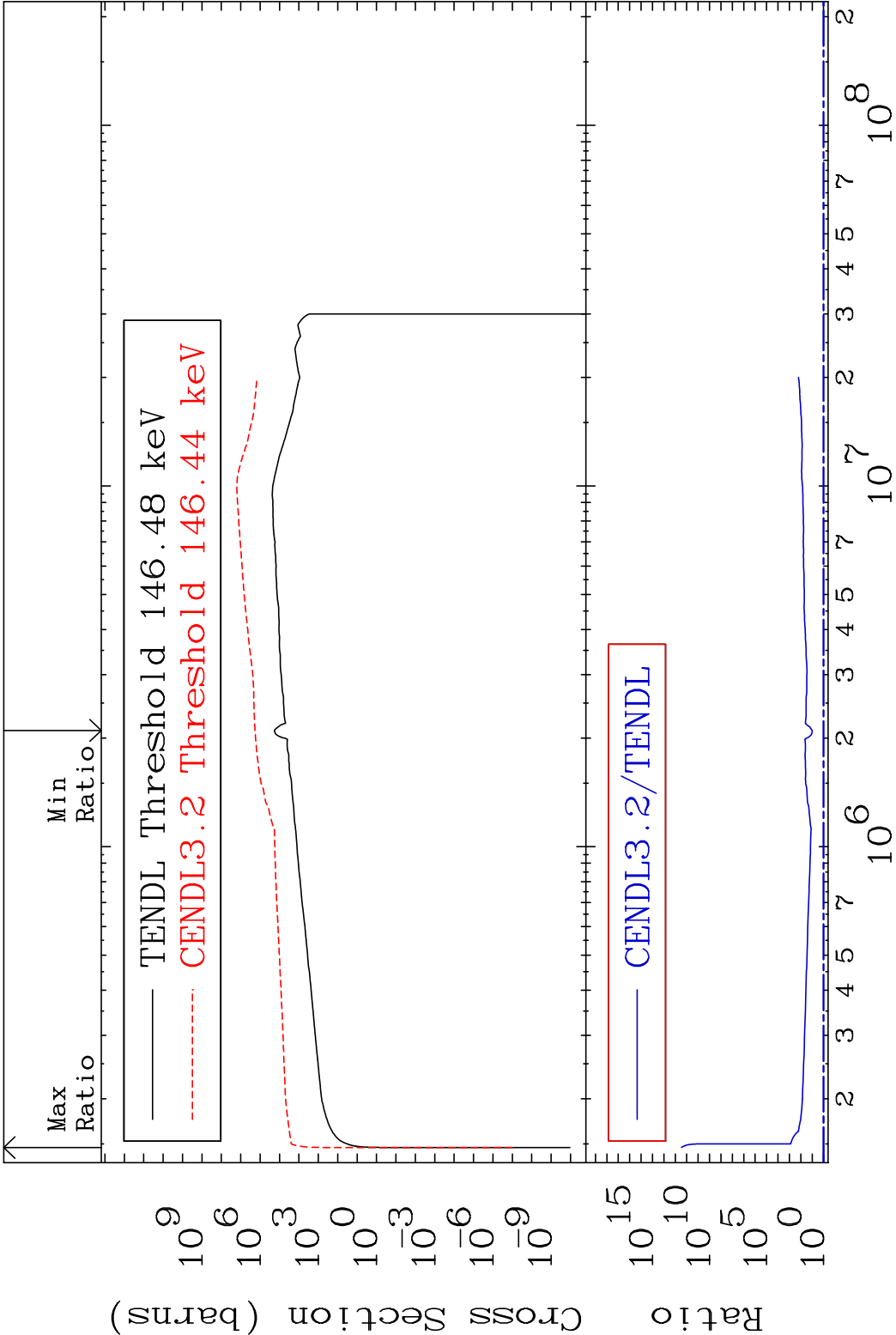
To 9999. %

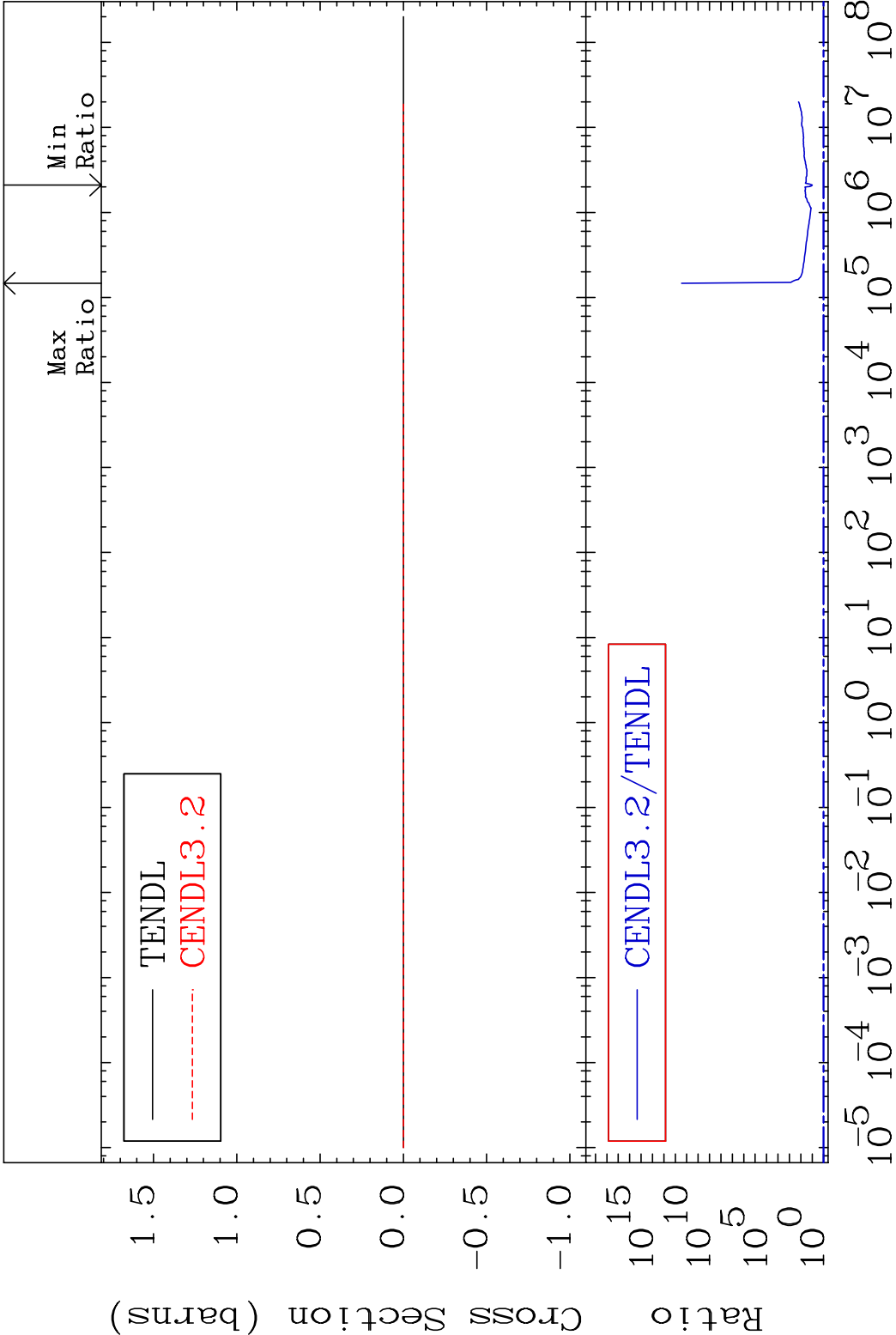


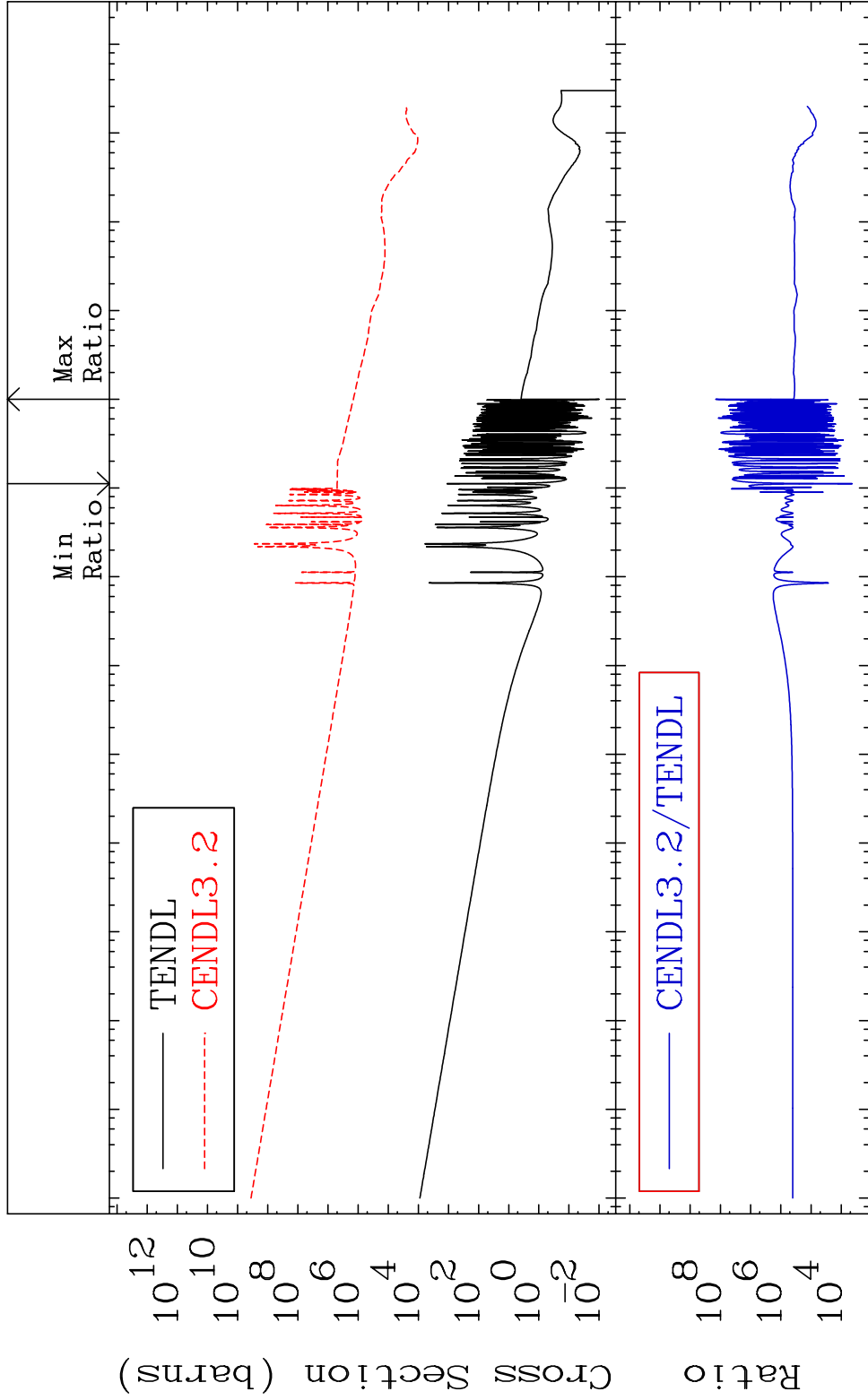


MAT 5925 Kerma non-elastic (all but mt2) 59-Pr-141
 Cross Section 643.1 To 9999. %

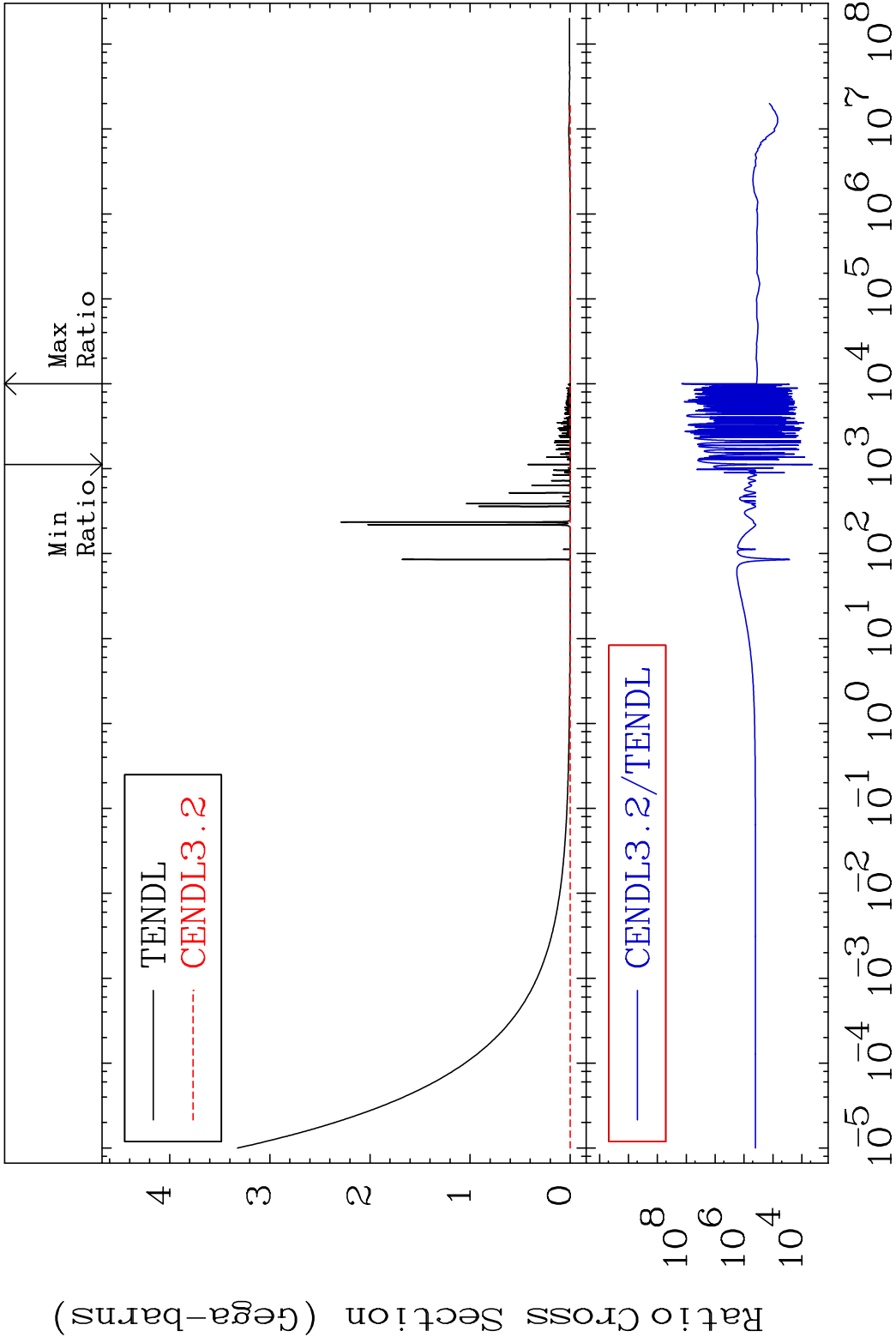






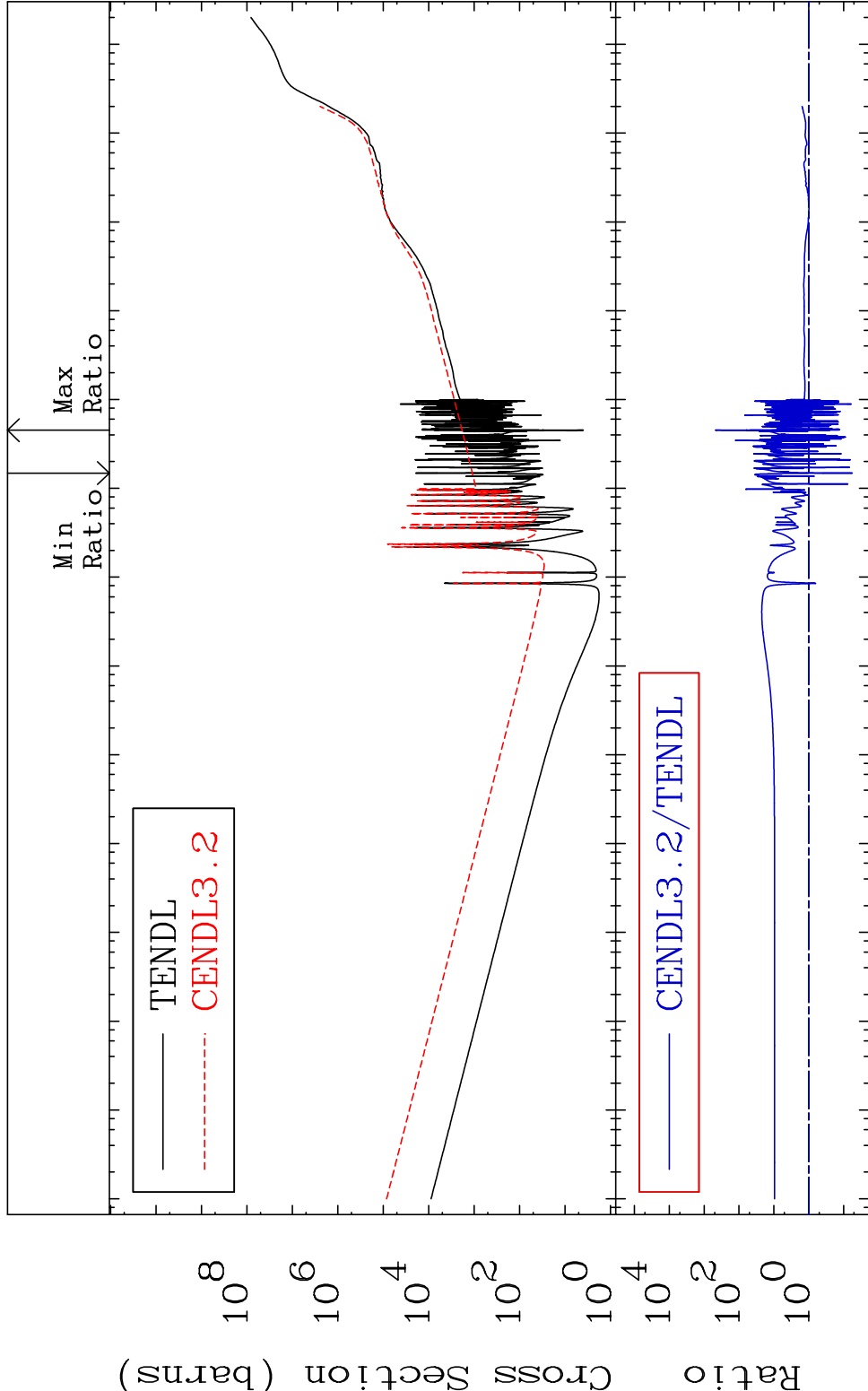


MAT 5925 Total photon (eV-barns) 59-Pr-141
Cross Section 9999. To 9999. %



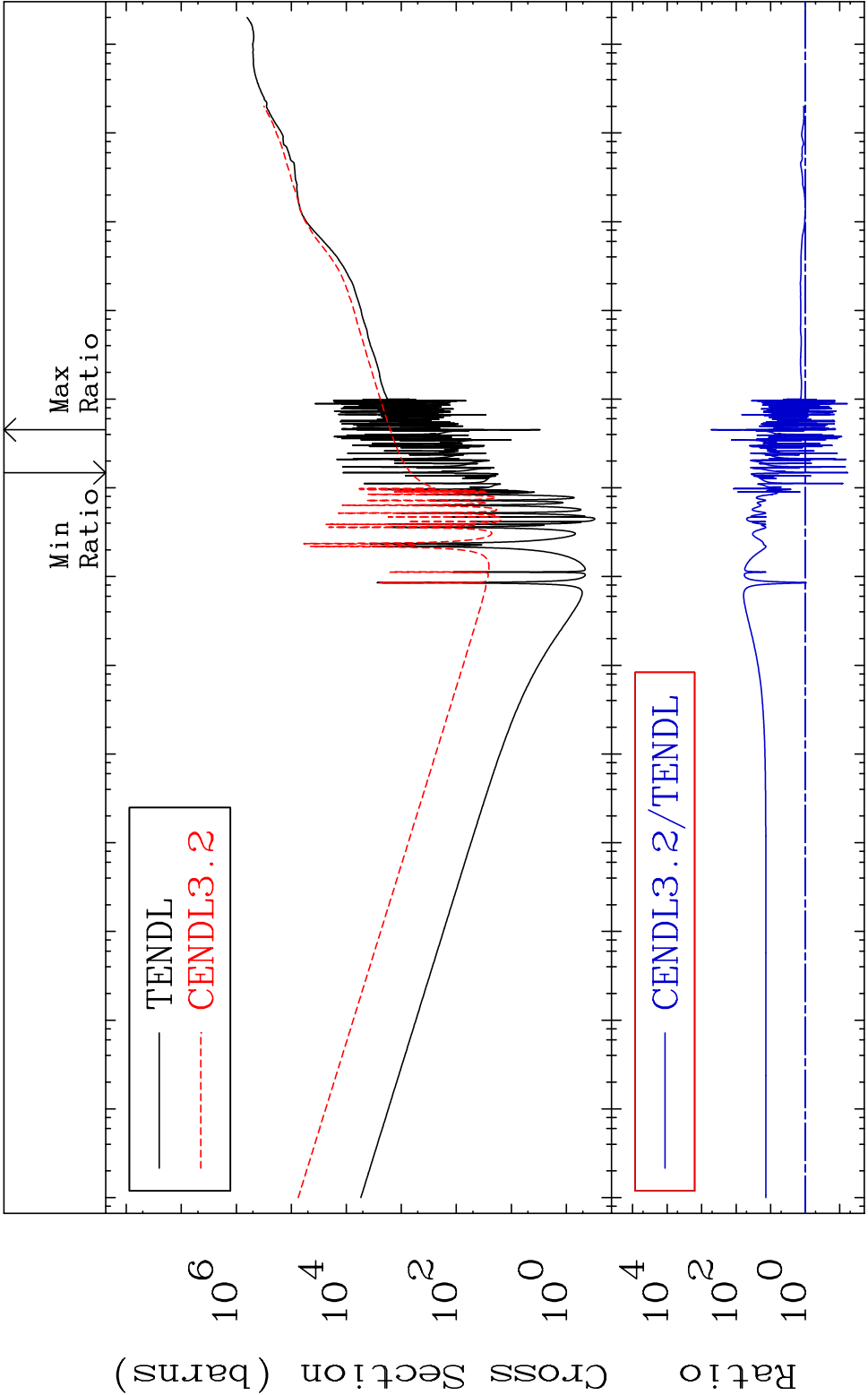
33 Incident Energy (eV) 59-Pr-141

MAT 5925 Total kinematic kerma (high limit) 59-Pr-141
Cross Section -94.35 To 9999. %

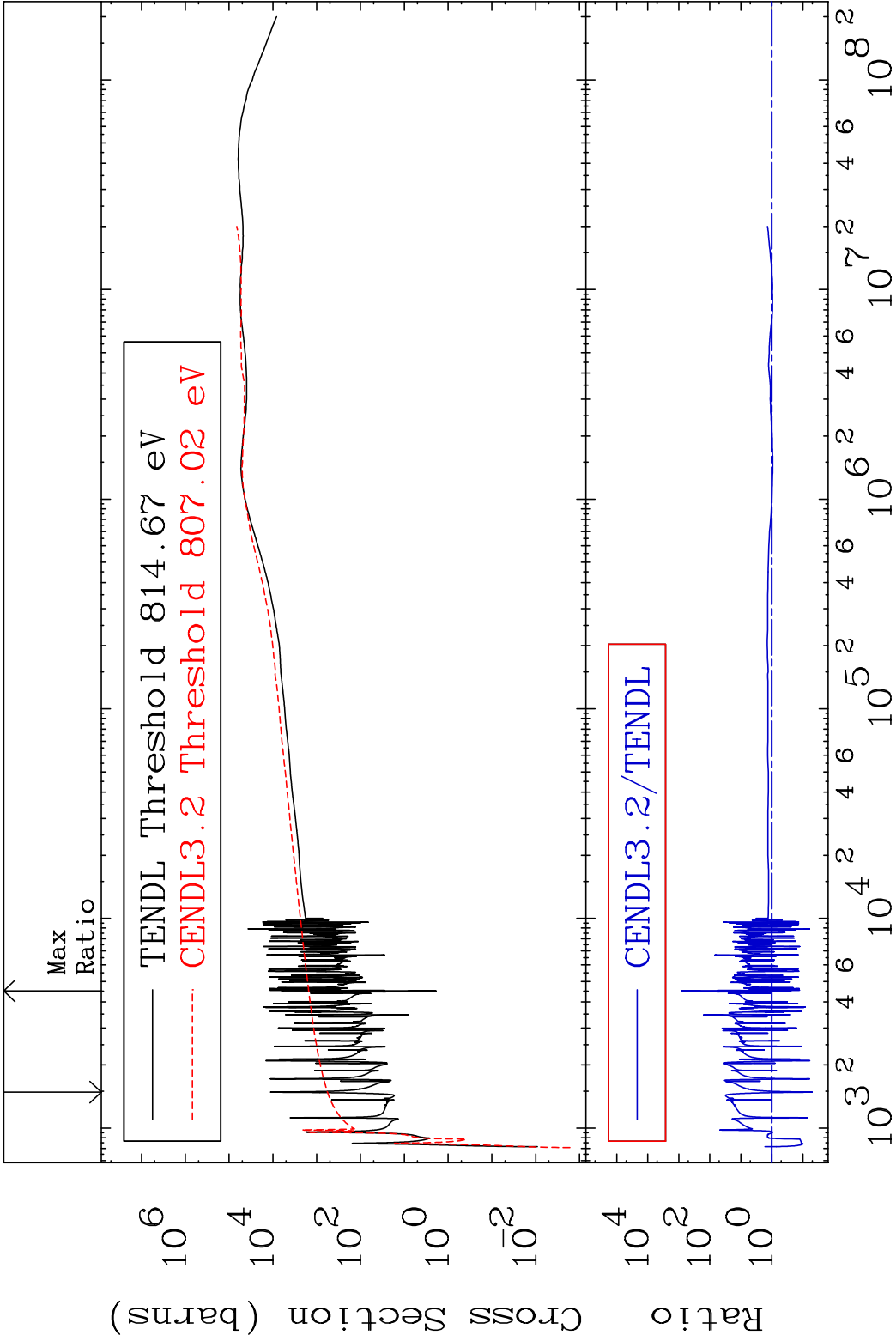


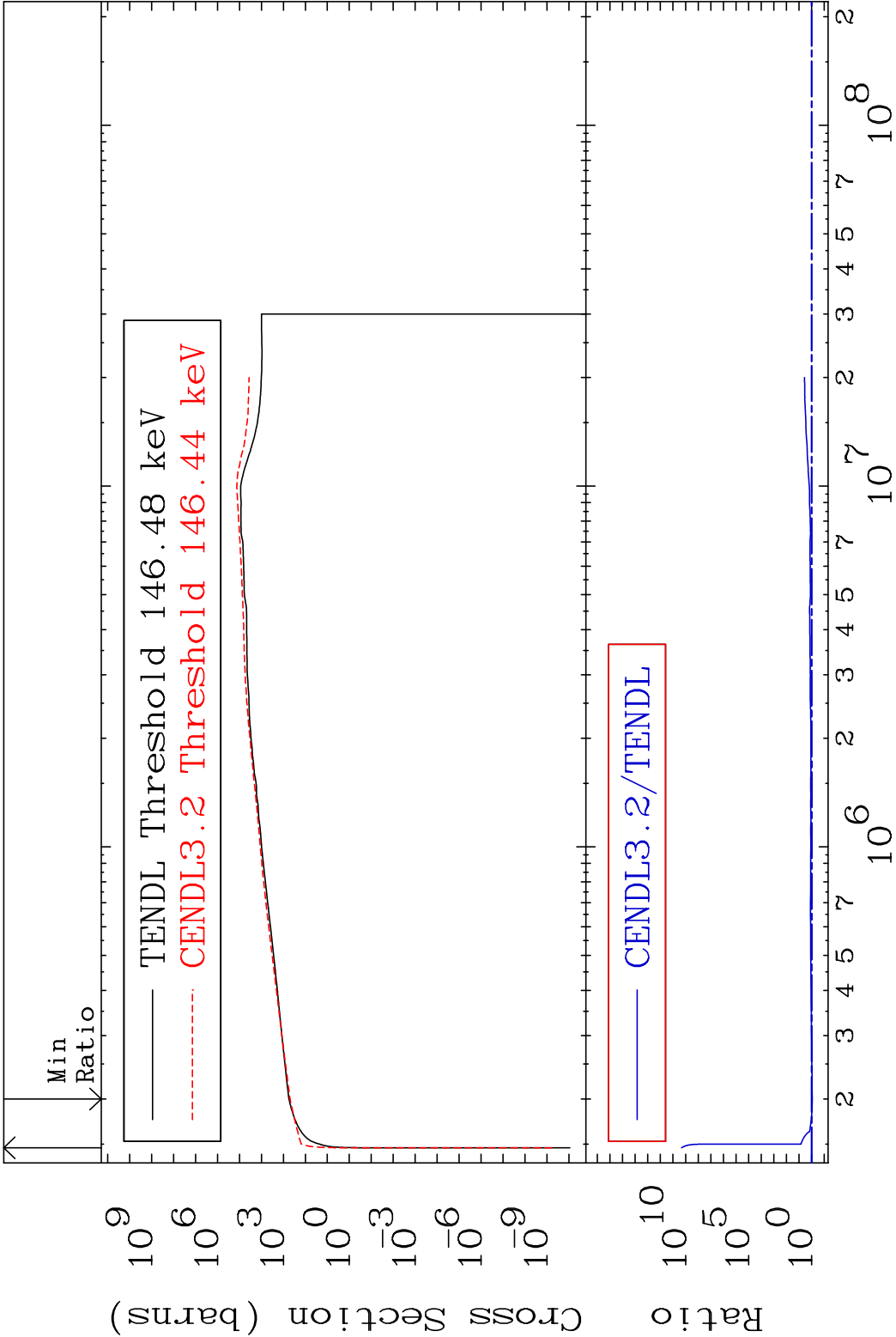
34 Incident Energy (eV) 59-Pr-141

MAT 5925 Dpa total (eV-barns) 59-Pr-141
 Cross Section -94.15 To 9999. %

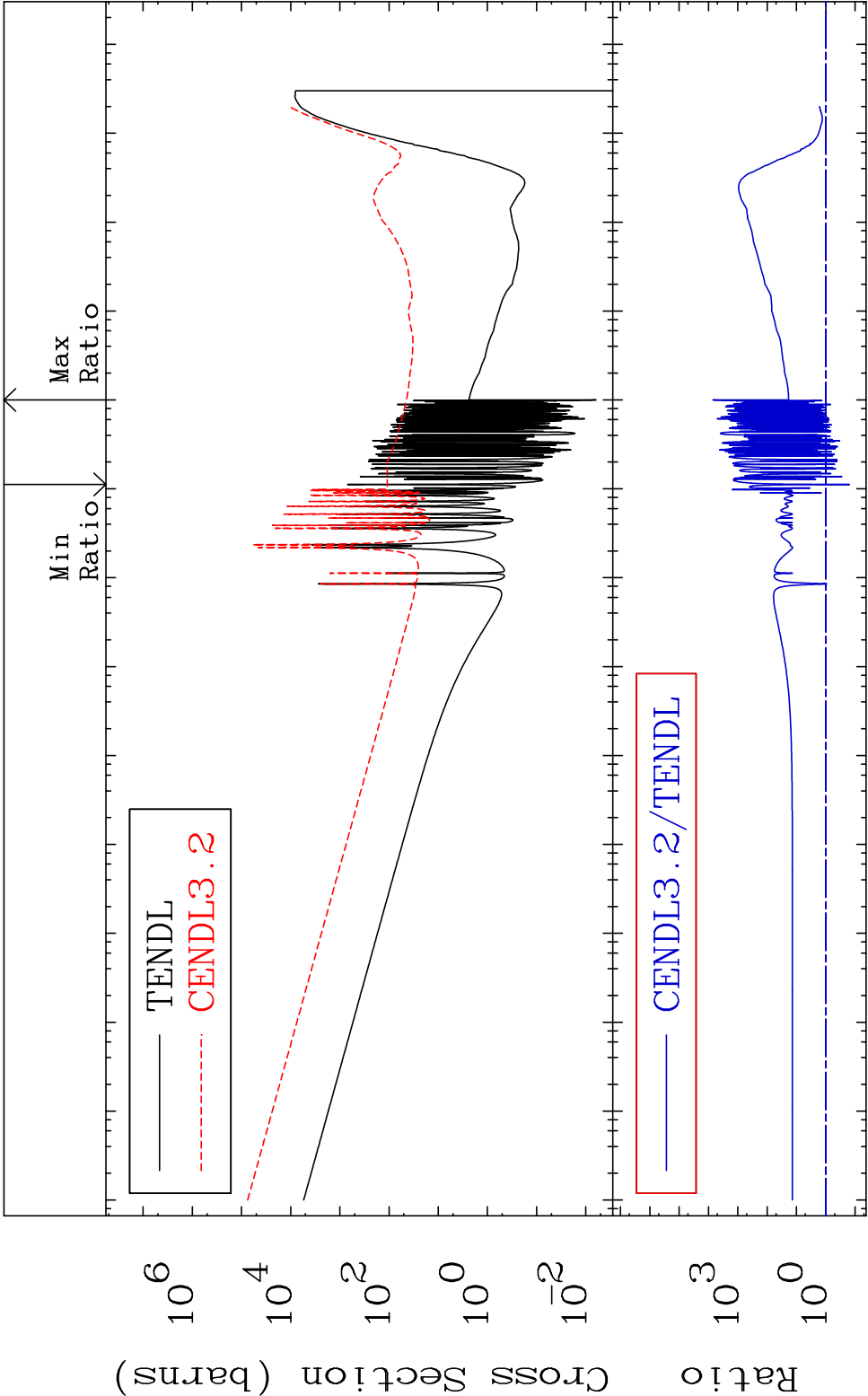


MAT 5925 Dpa elastic (mt2) 59-Pr-141
Cross Section -95.02 To 9999. %





MAT 5925 Dpa disappearance (mt102 -120) 59-Pr-141
 Cross Section -84.40 To 9999. %



MAT 5925

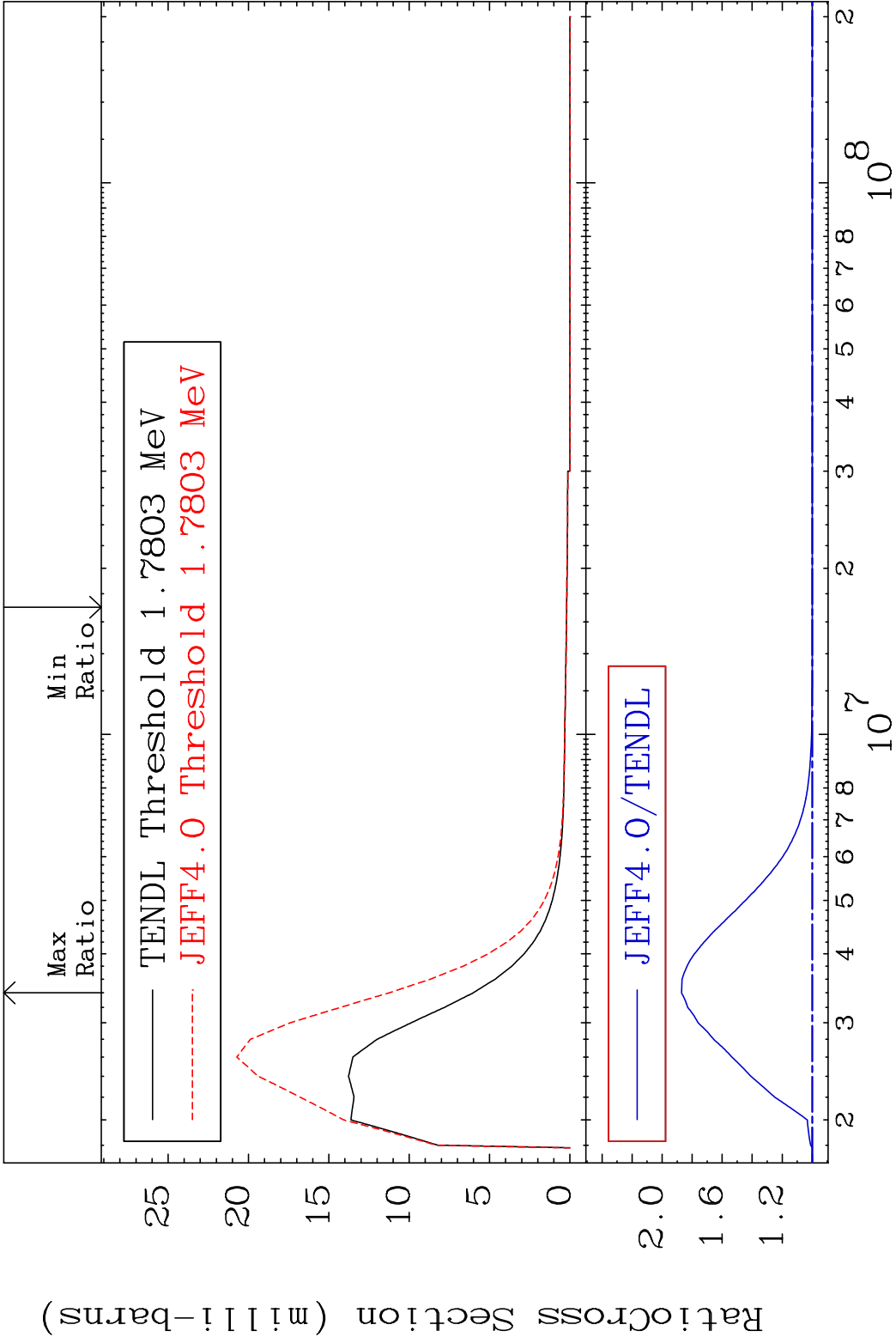
MT= 70 (n,n') Level

59-Pr-141

Cross Section

0.000

To 87.05 %



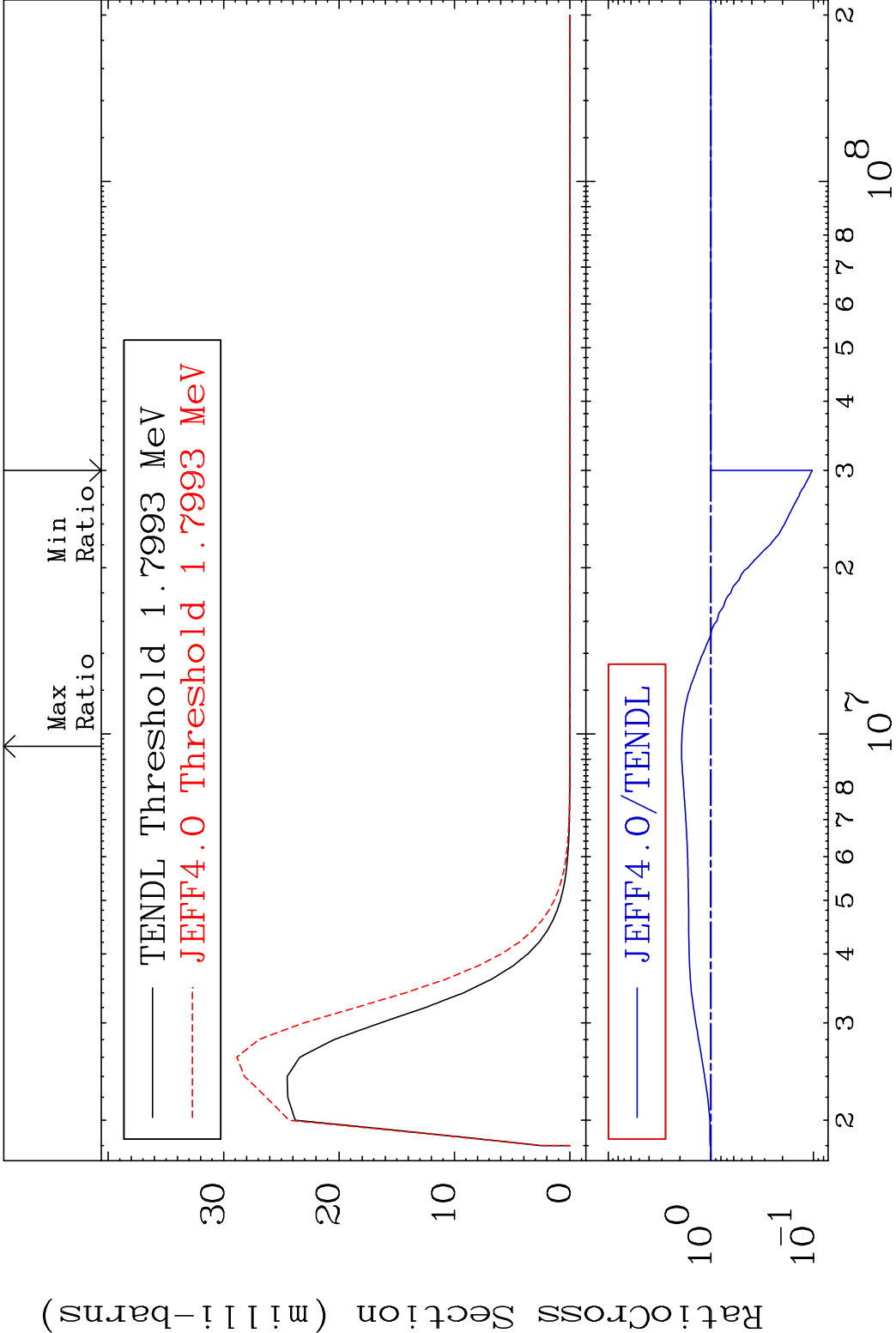
MAT 5925

MT= 71 (n,n') Level

59-Pr-141

Cross Section

-89.71 To 93.32 %



40

Incident Energy (eV)

59-Pr-141

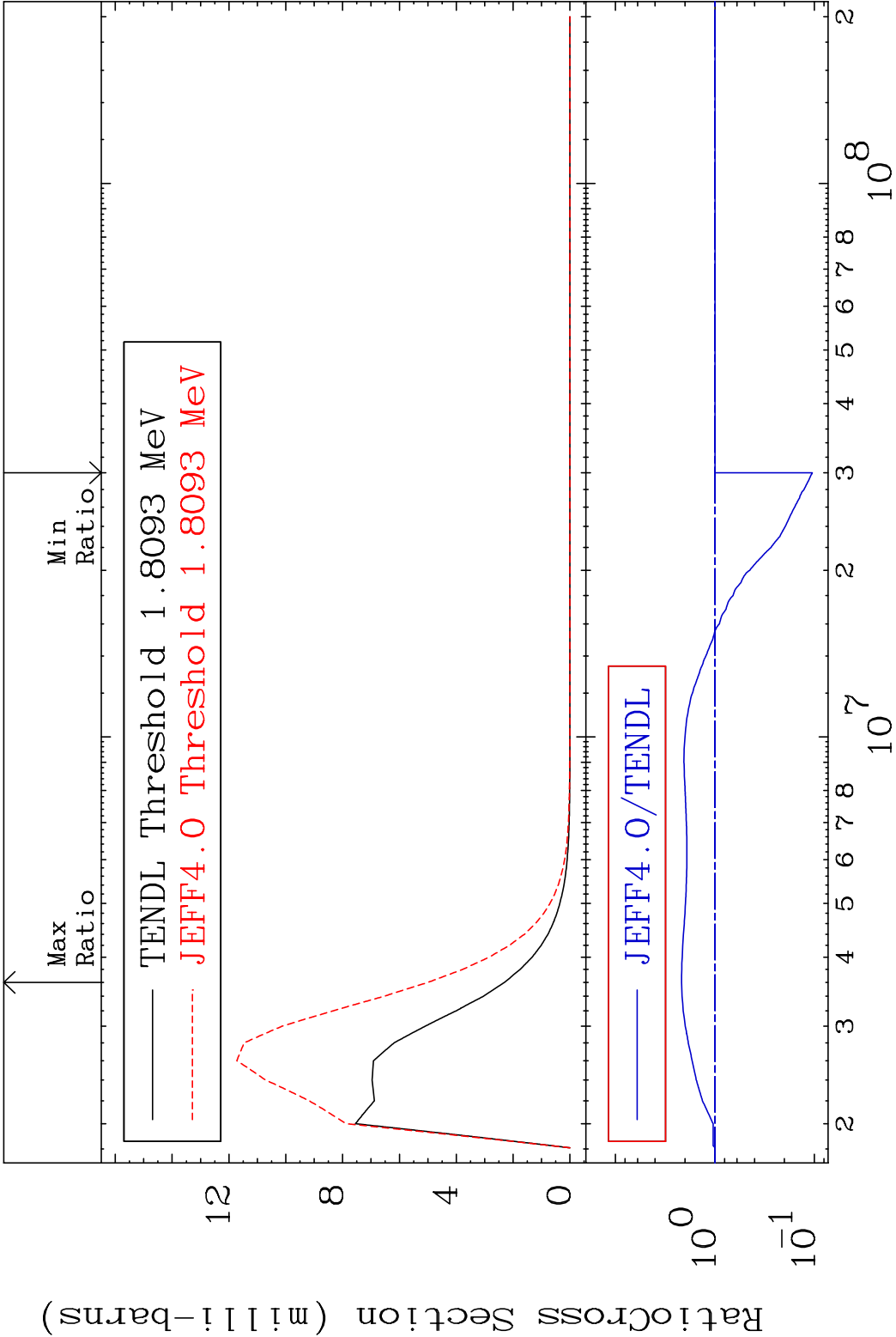
MAT 5925

MT= 72 (n,n') Level

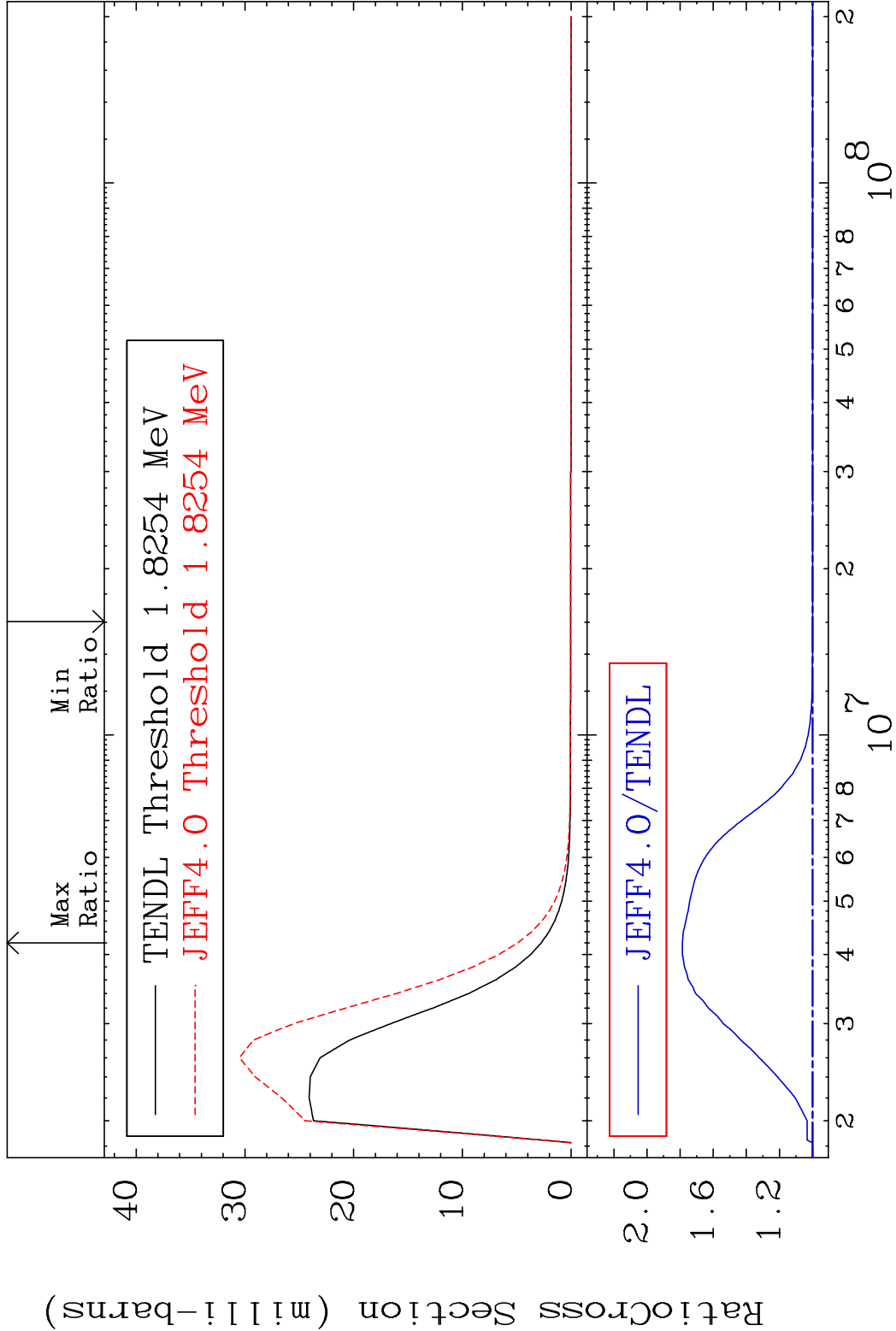
59-Pr-141

Cross Section

-89.49 To 116.6 %

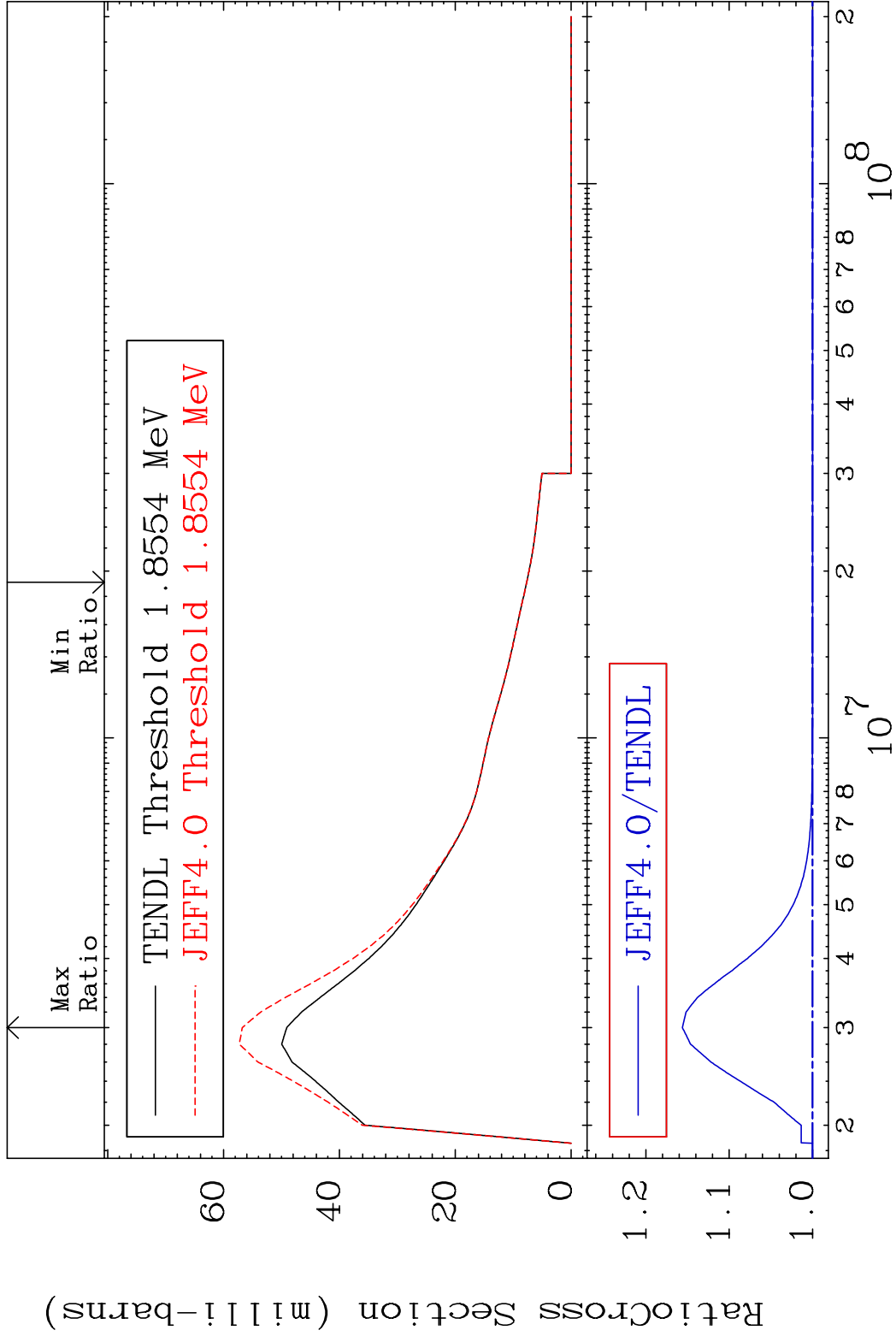


MAT 5925 MT= 73 (n,n') Level 59-Pr-141
Cross Section -0.002 To 78.65 %



42 Incident Energy (eV) 59-Pr-141

MAT 5925 MT= 74 (n,n') Level 59-Pr-141
Cross Section 0.000 To 15.62 %



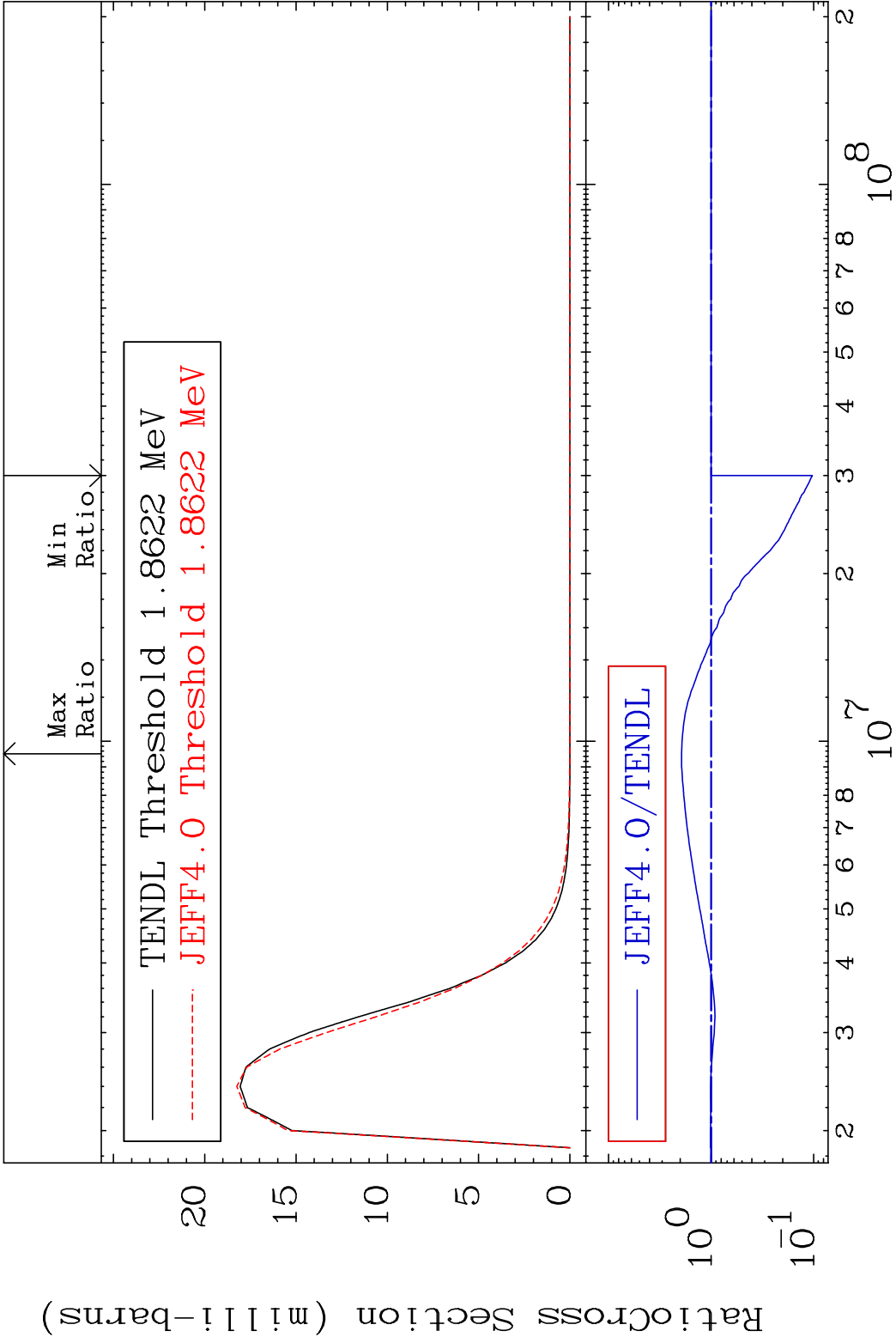
MAT 5925

MT= 75 (n,n') Level

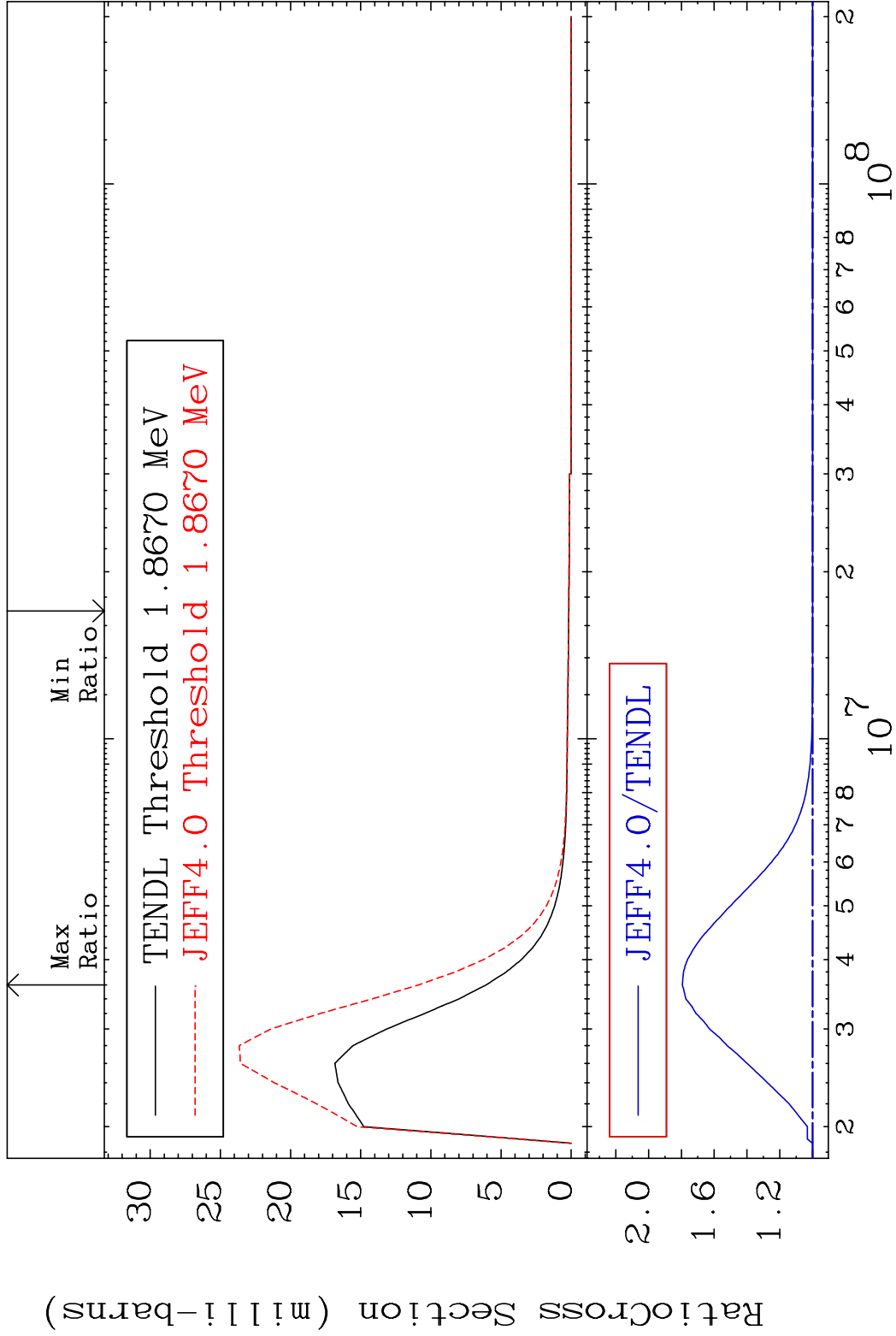
59-Pr-141

Cross Section

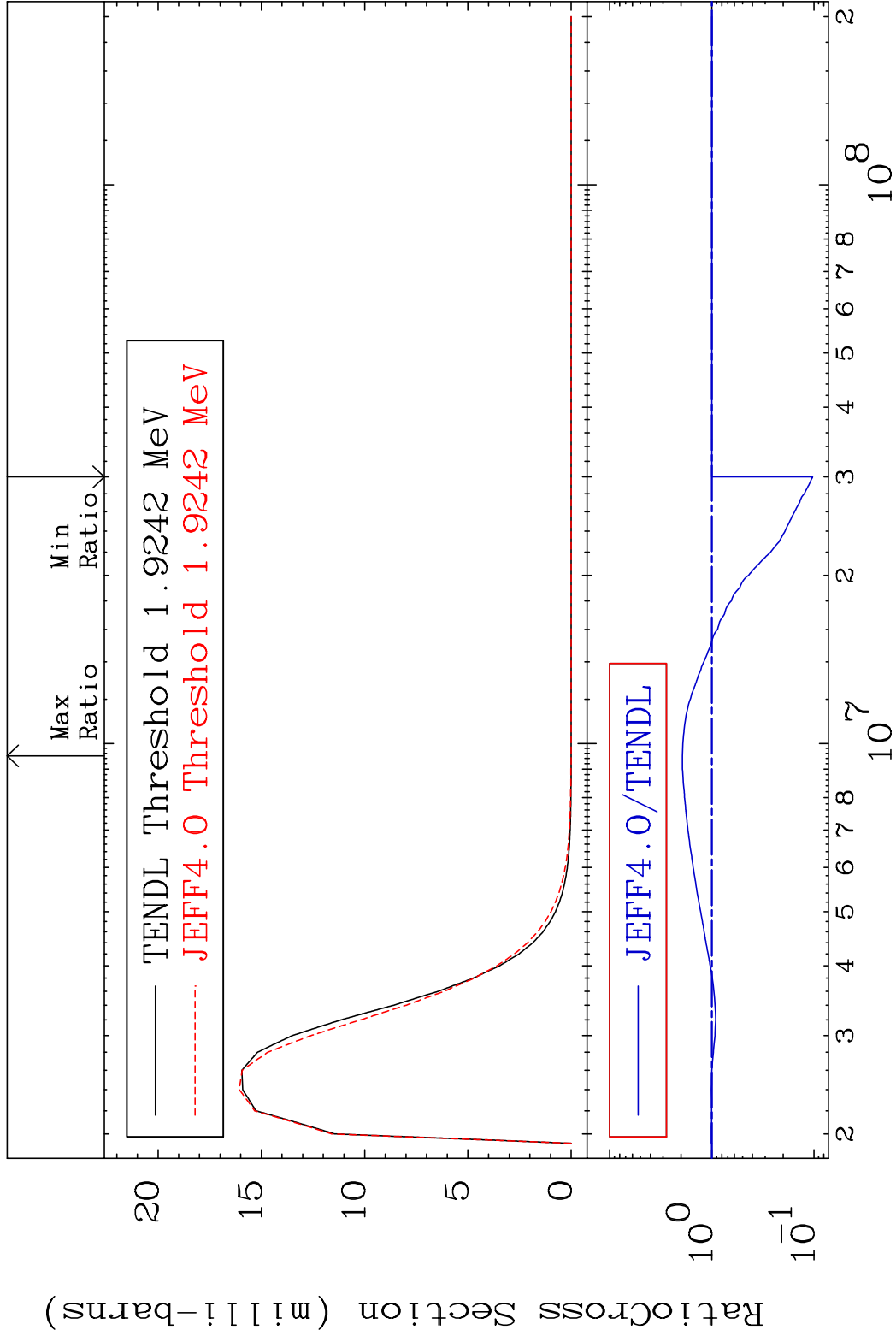
-89.68 To 94.42 %



MAT 5925 MT= 76 (n,n') Level 59-Pr-141
Cross Section 0.000 To 79.40 %



MAT 5925	MT= 77 (n,n')	Level	59-Pr-141
	Cross Section	-89.68 To 94.39 %	



MAT 5925

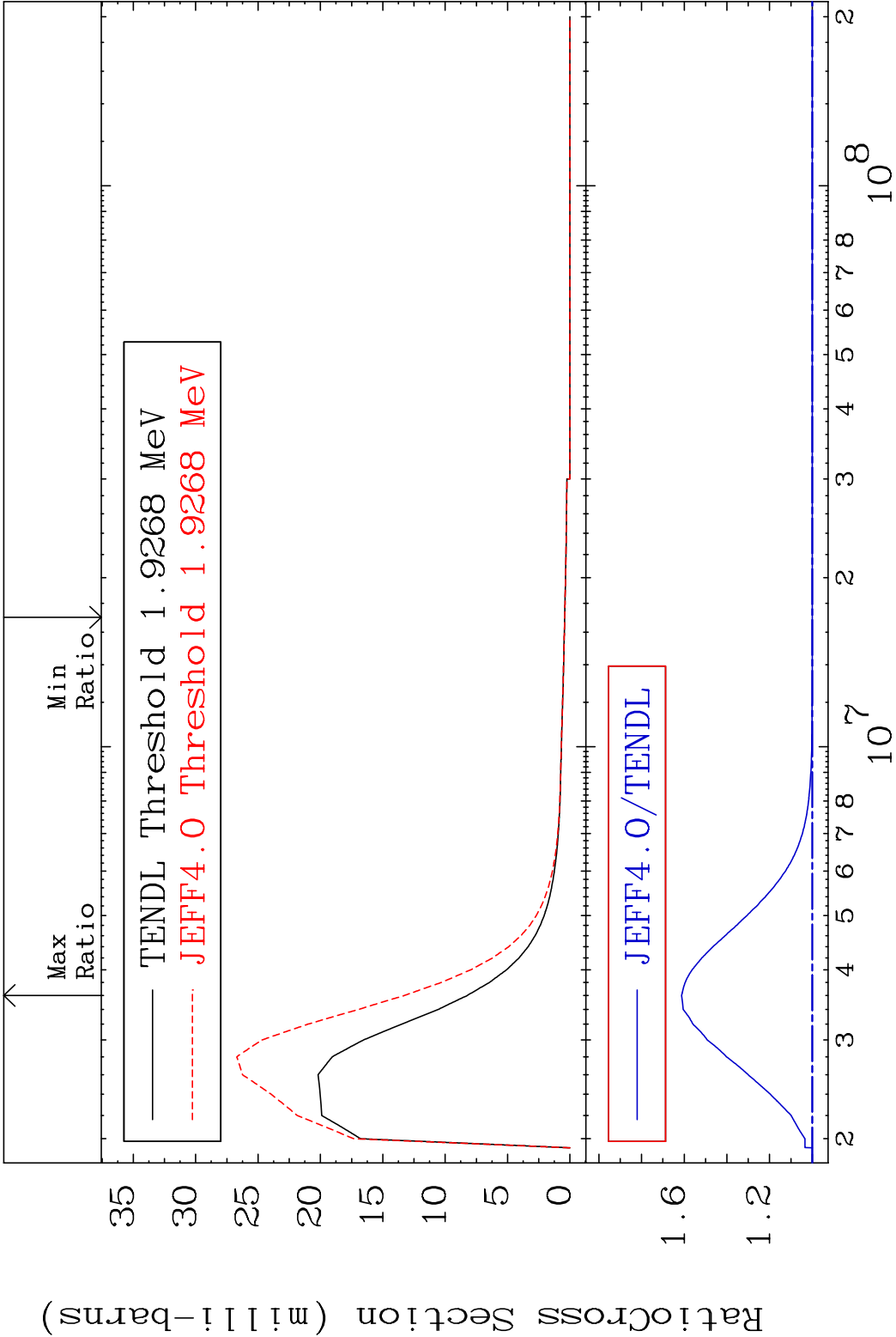
MT= 78 (n,n') Level

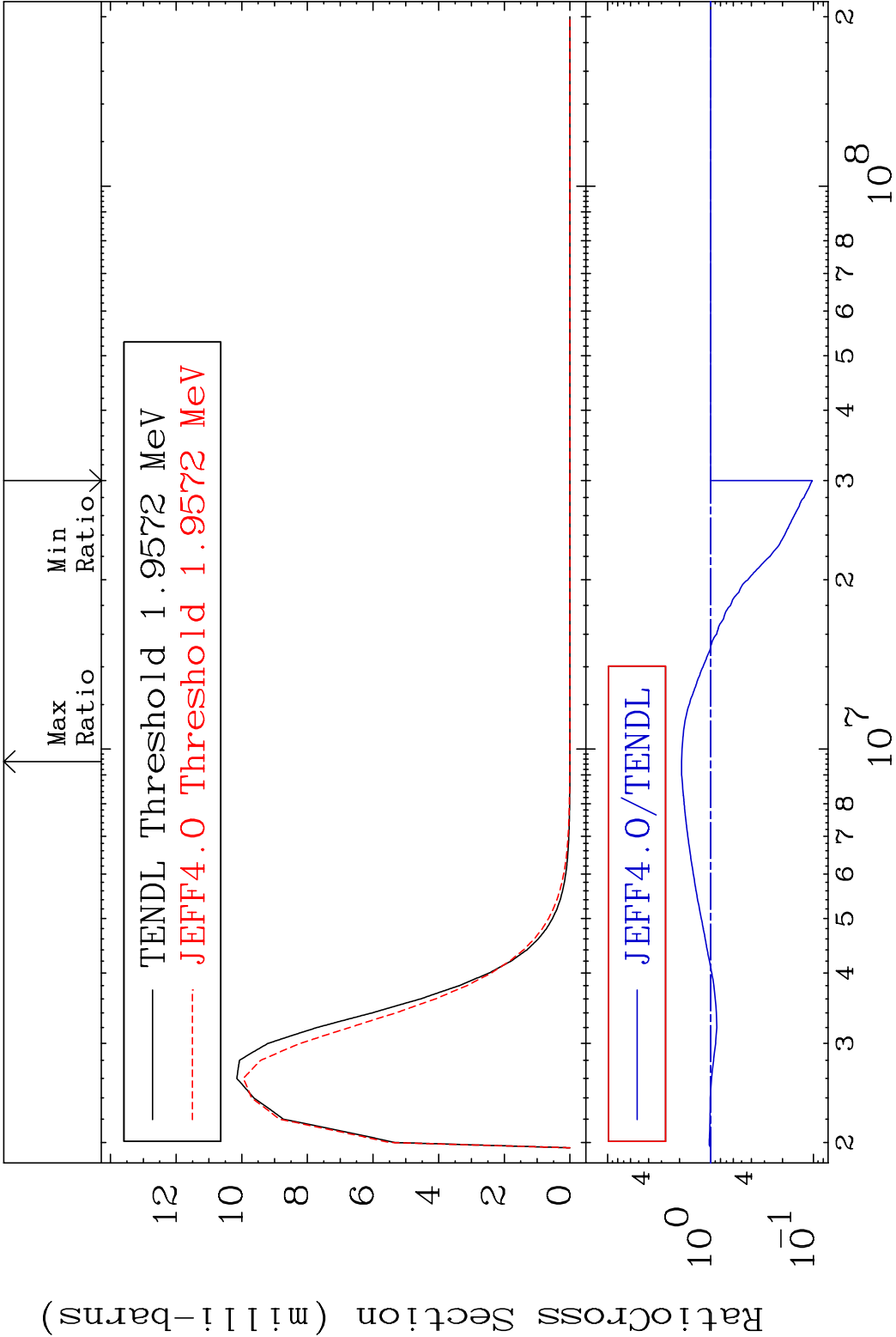
59-Pr-141

Cross Section

0.000

To 61.27 %





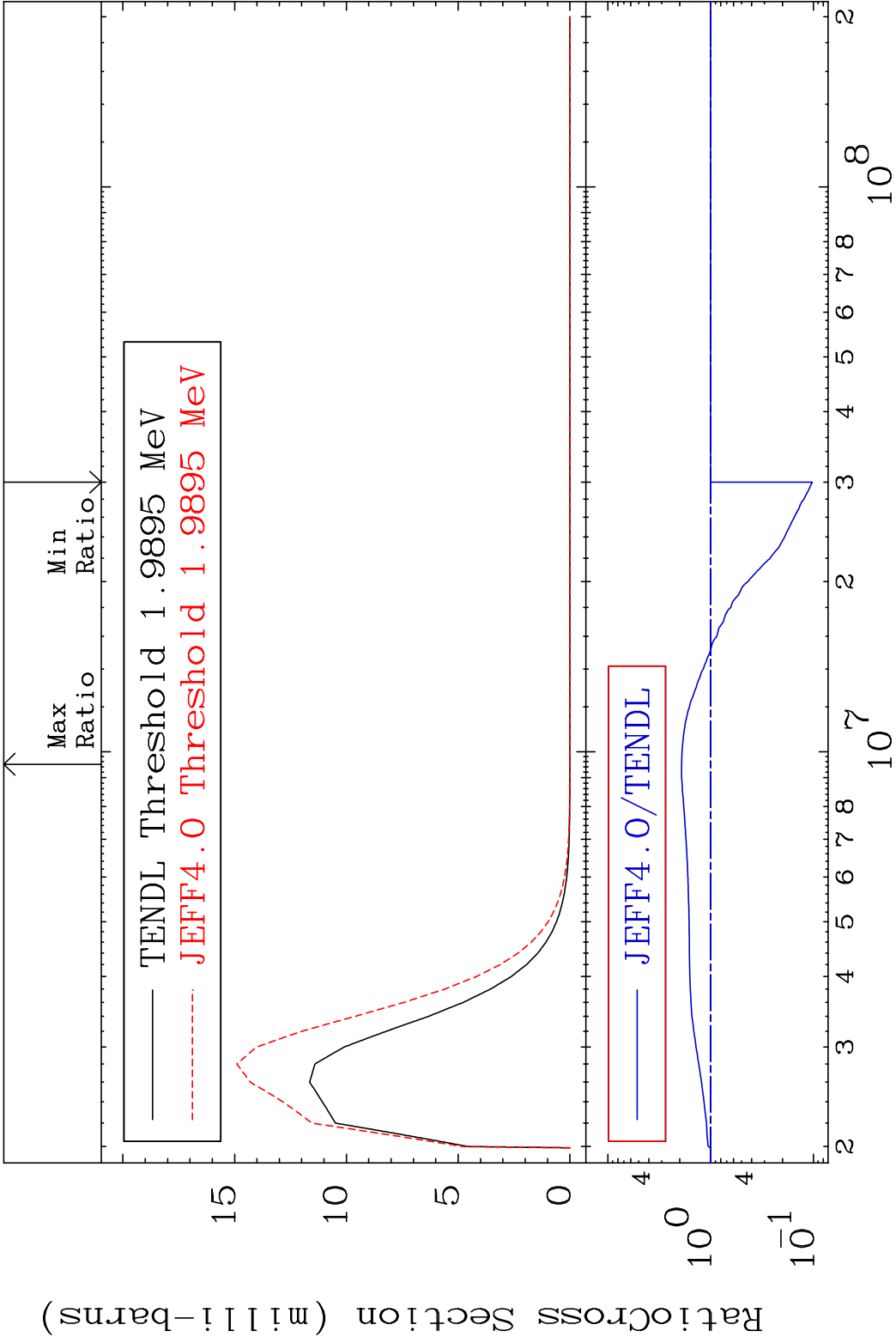
MAT 5925

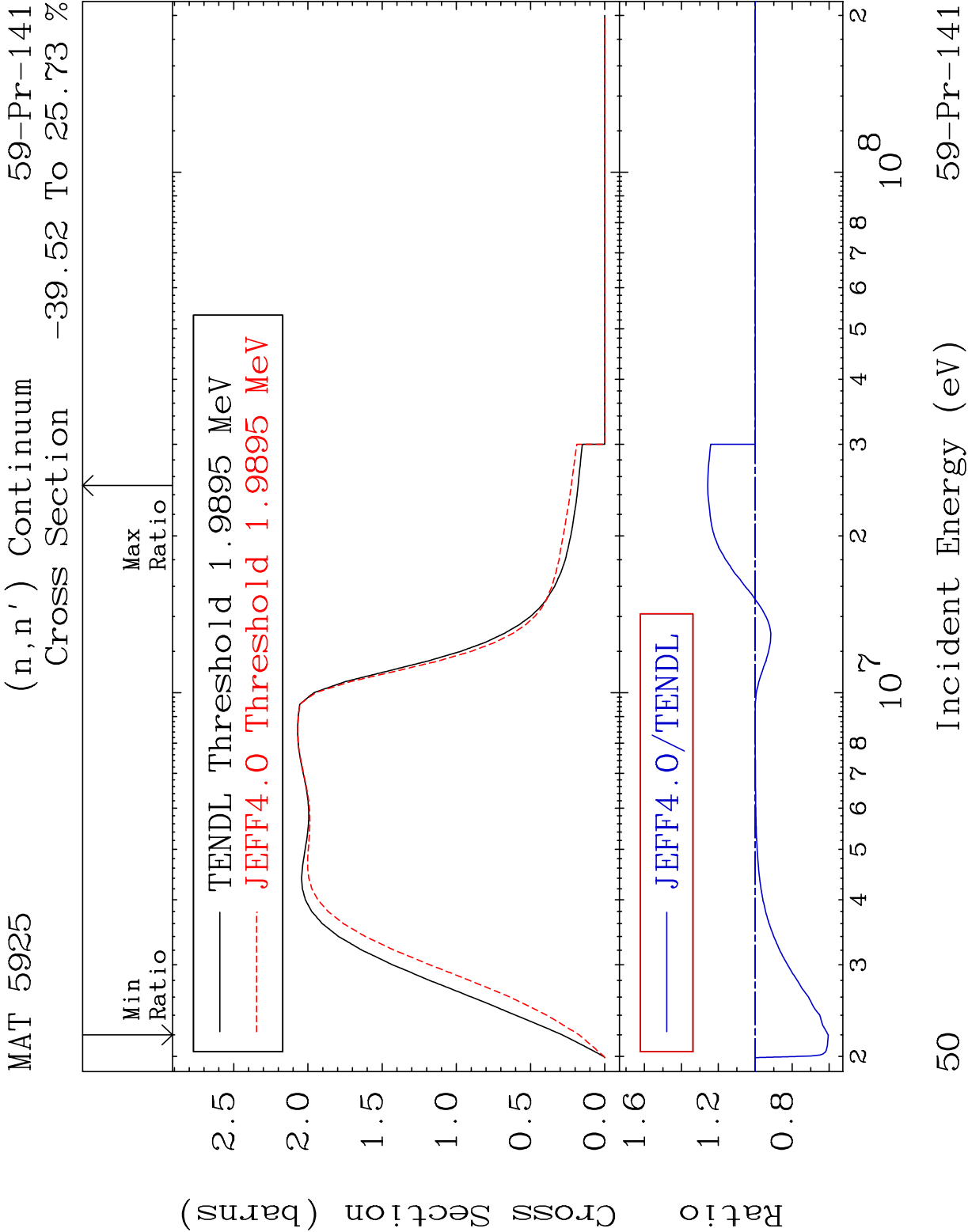
MT= 80 (n,n') Level

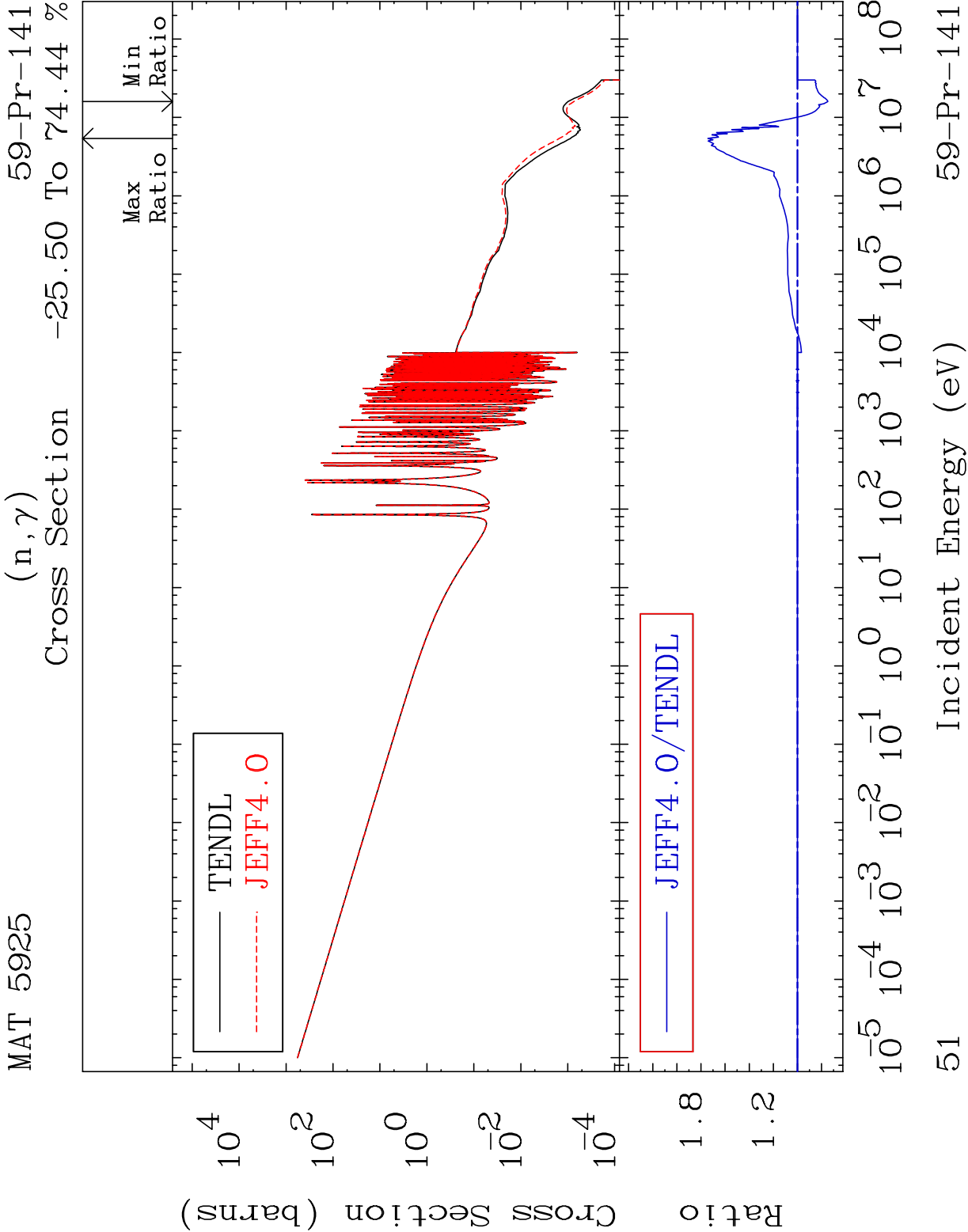
59-Pr-141

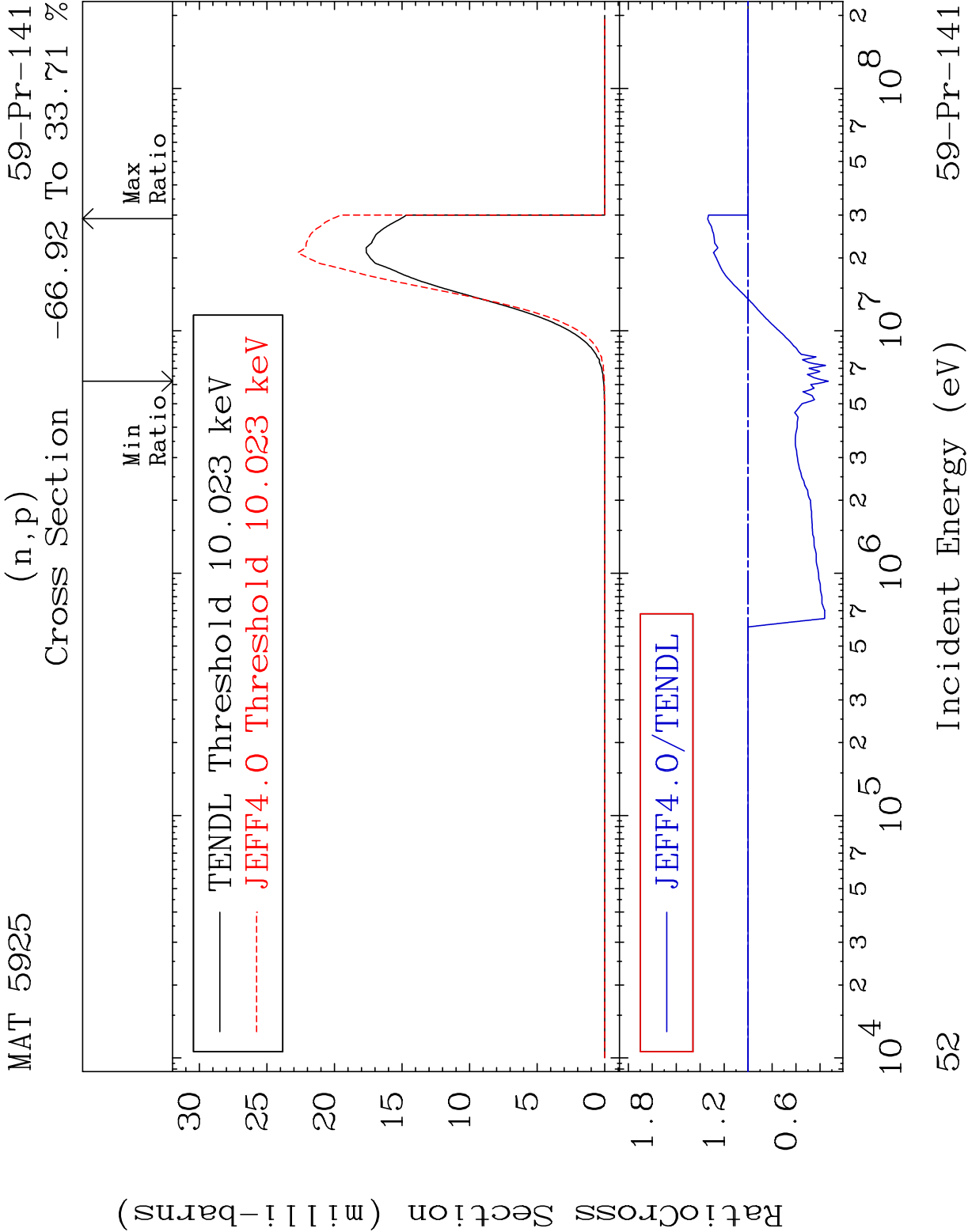
Cross Section

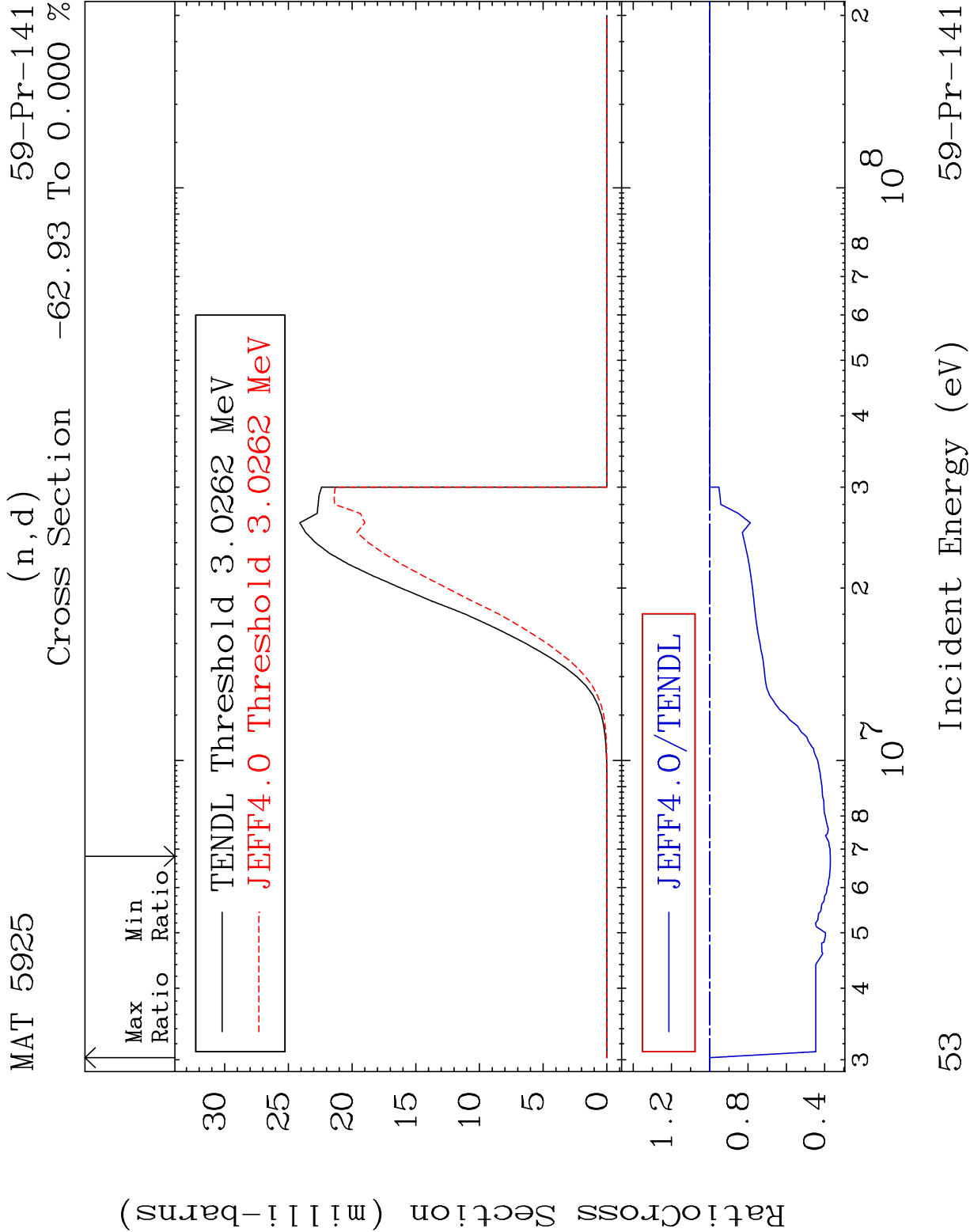
-89.74 To 92.05 %

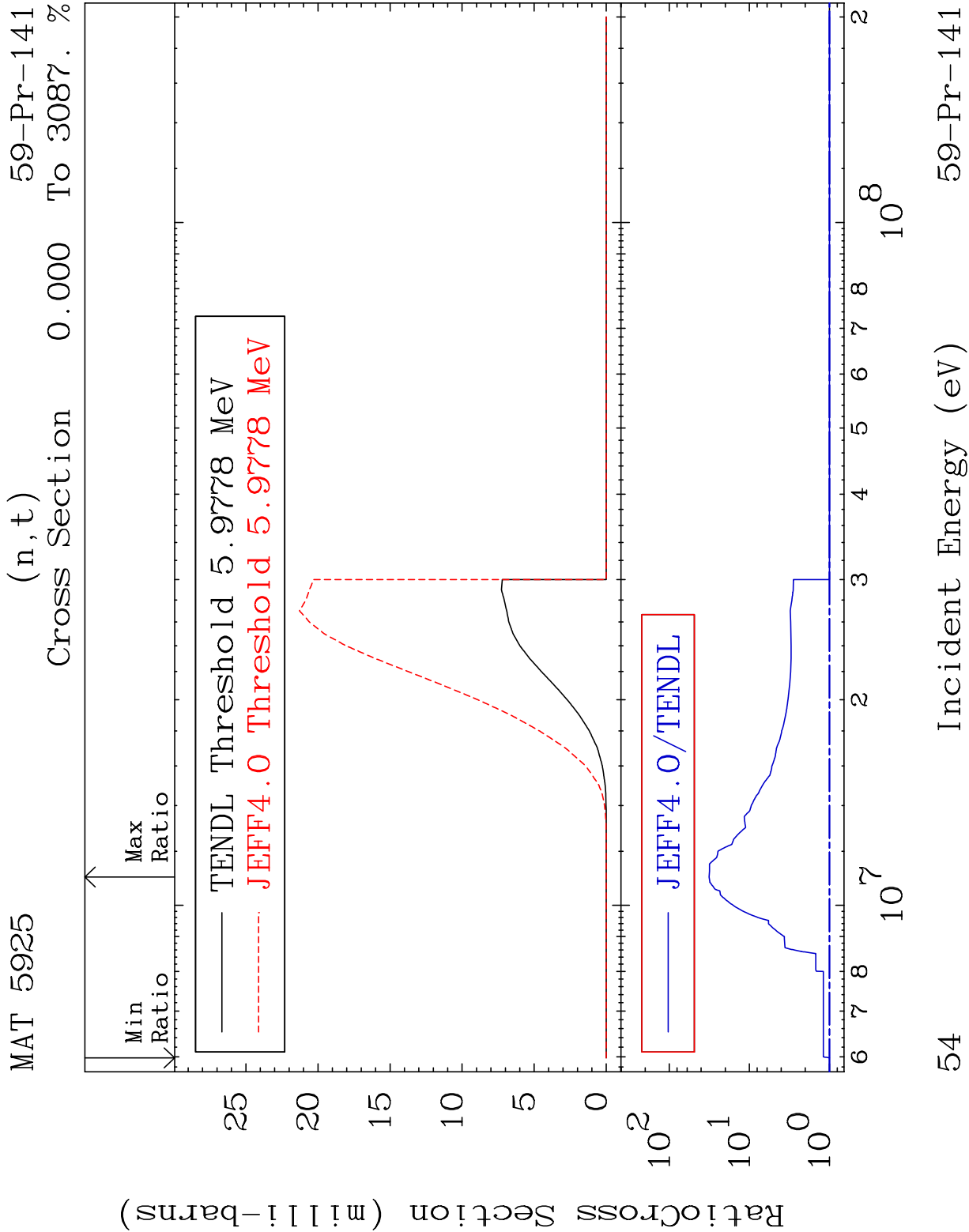


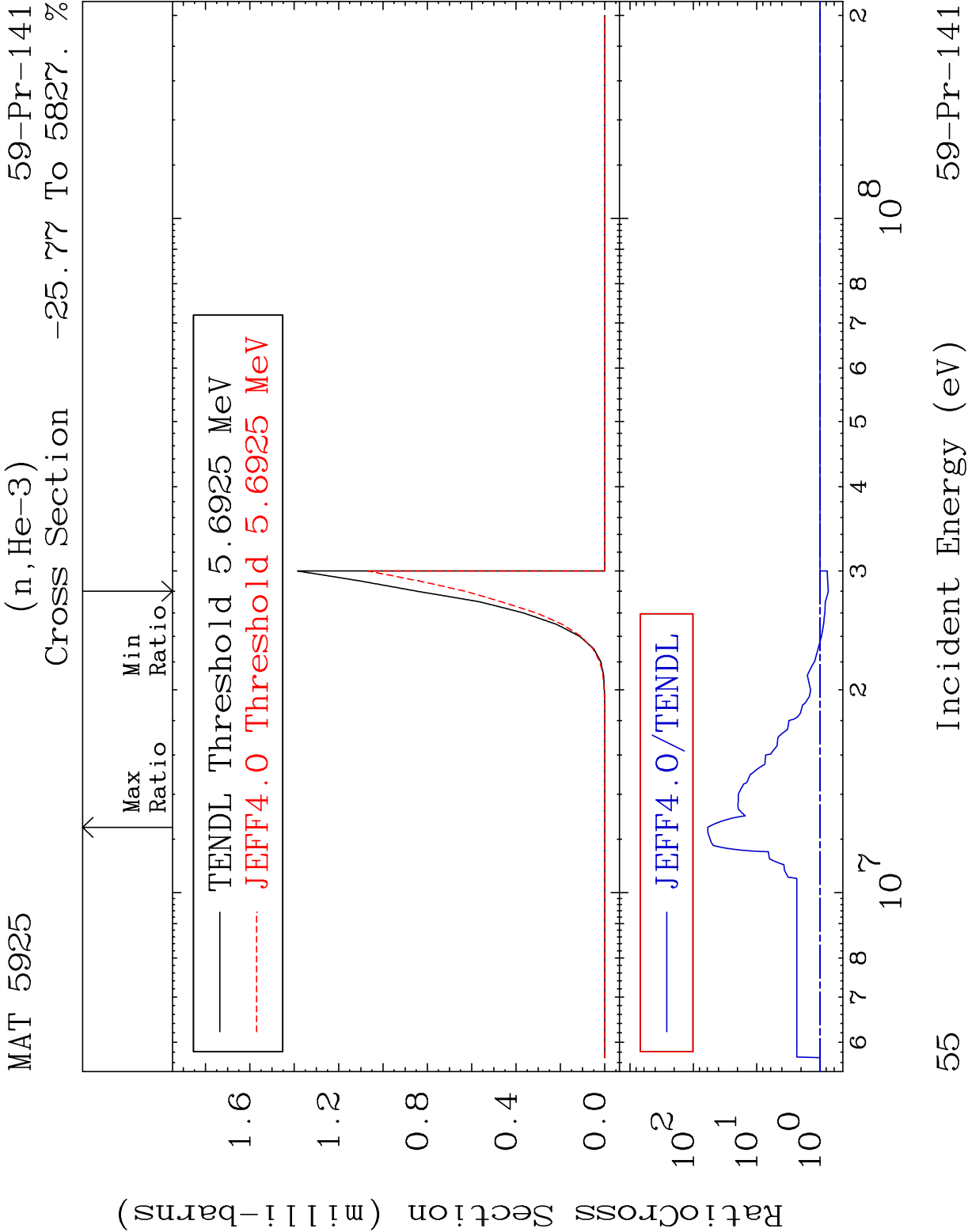










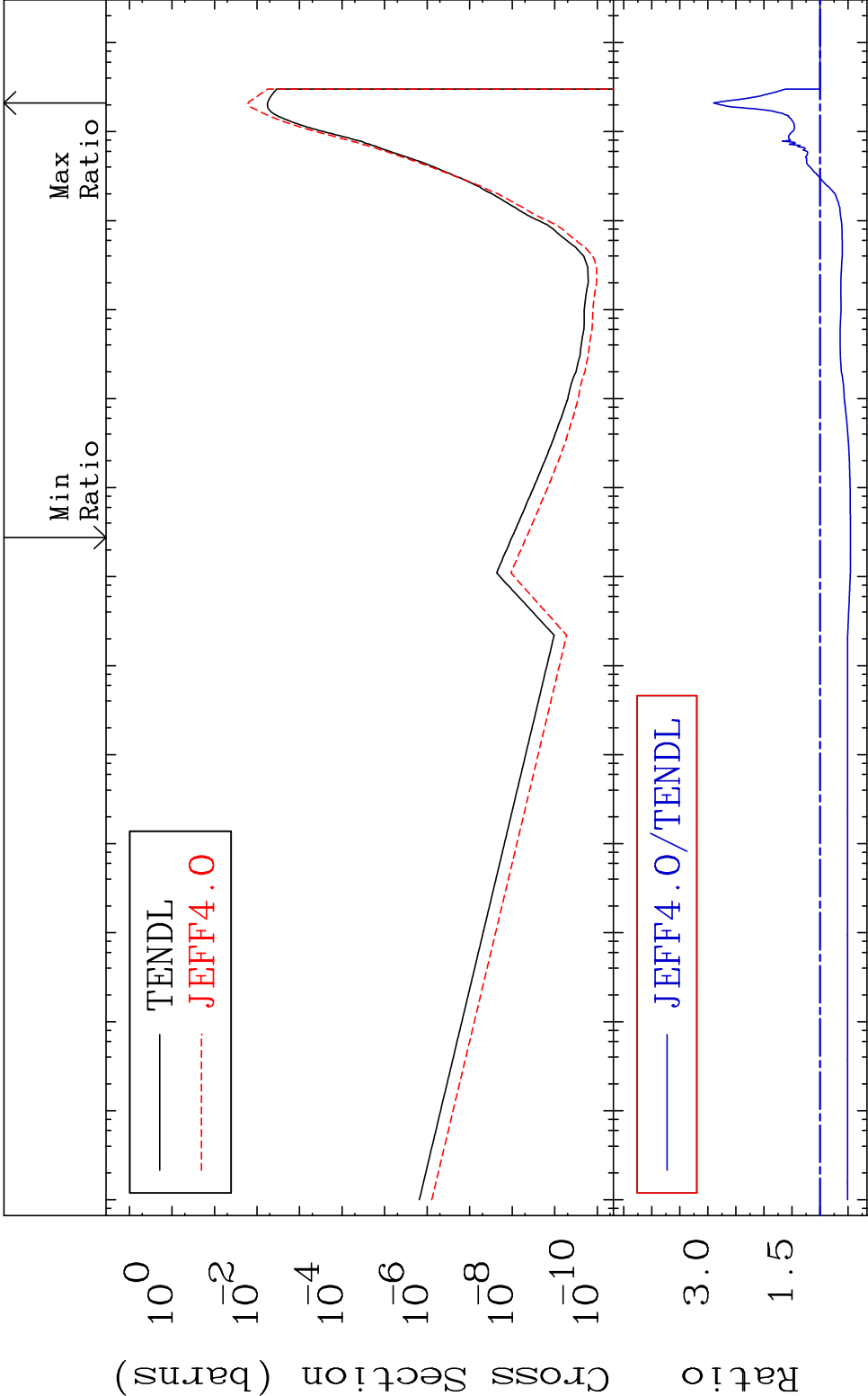


MAT 5925

(n, α)

59-Pr-141

Cross Section -54.06 To 190.0 %



56

Incident Energy (eV)

59-Pr-141

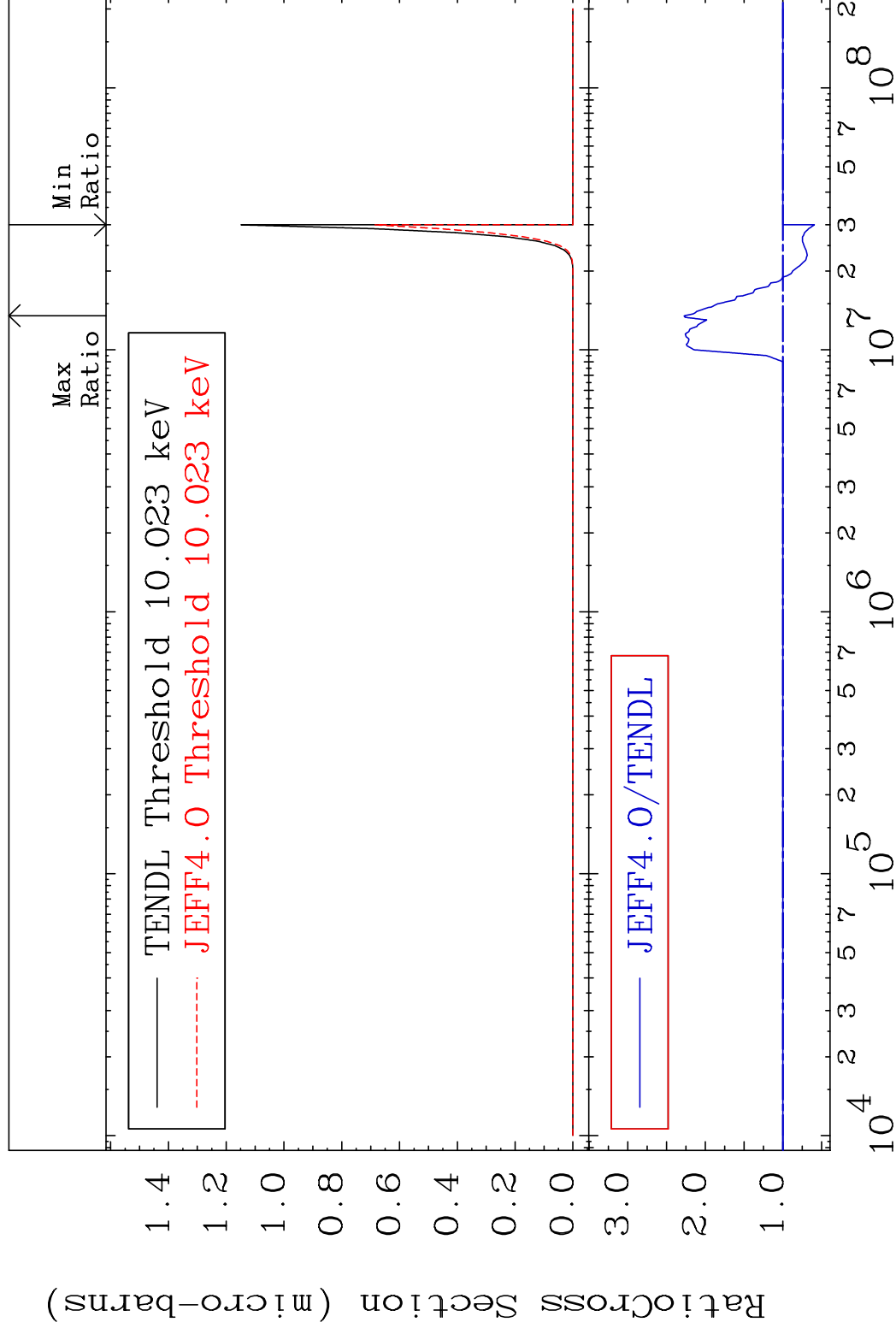
MAT 5925

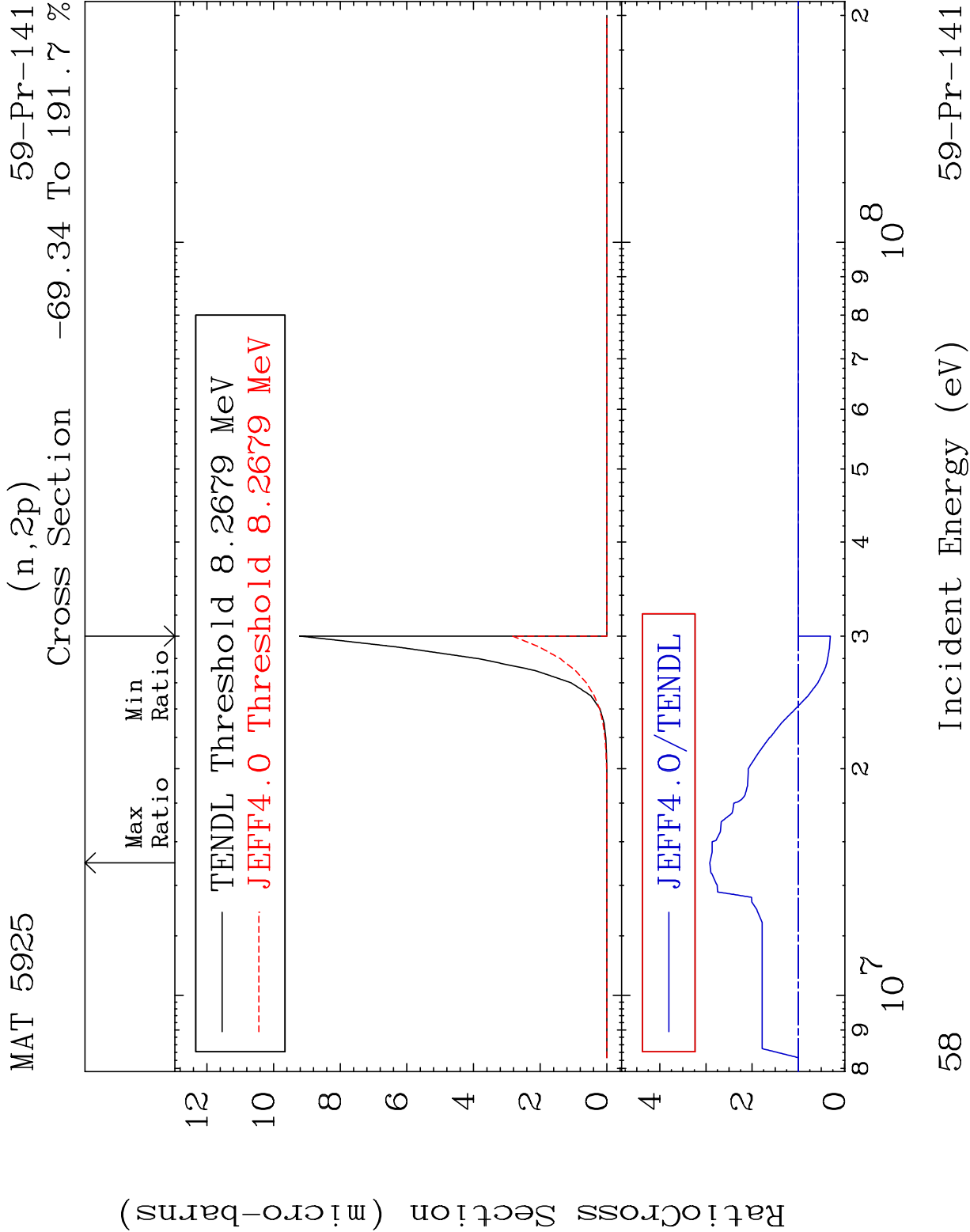
$$(n, 2\alpha)$$

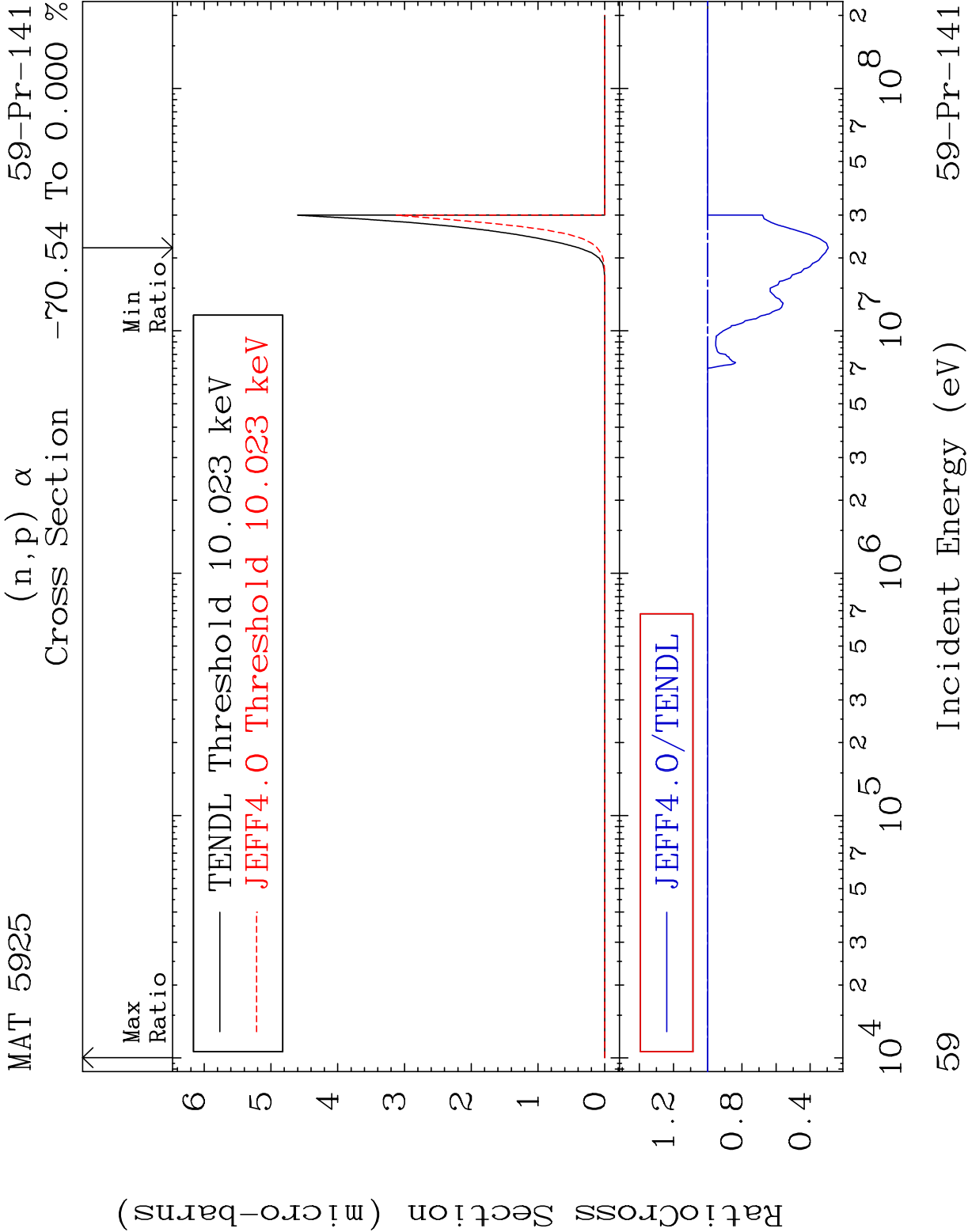
59-Pr-141

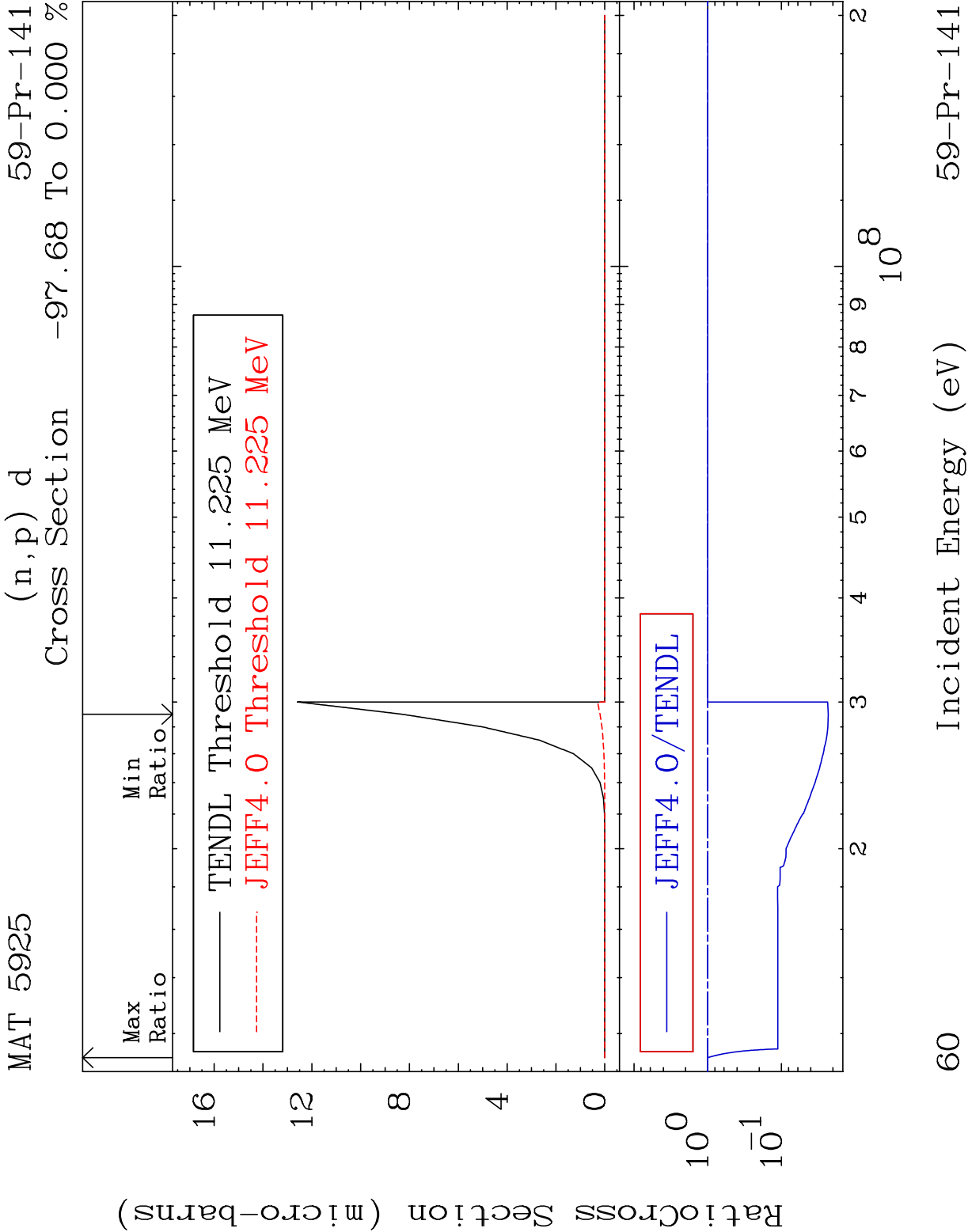
Cross Section

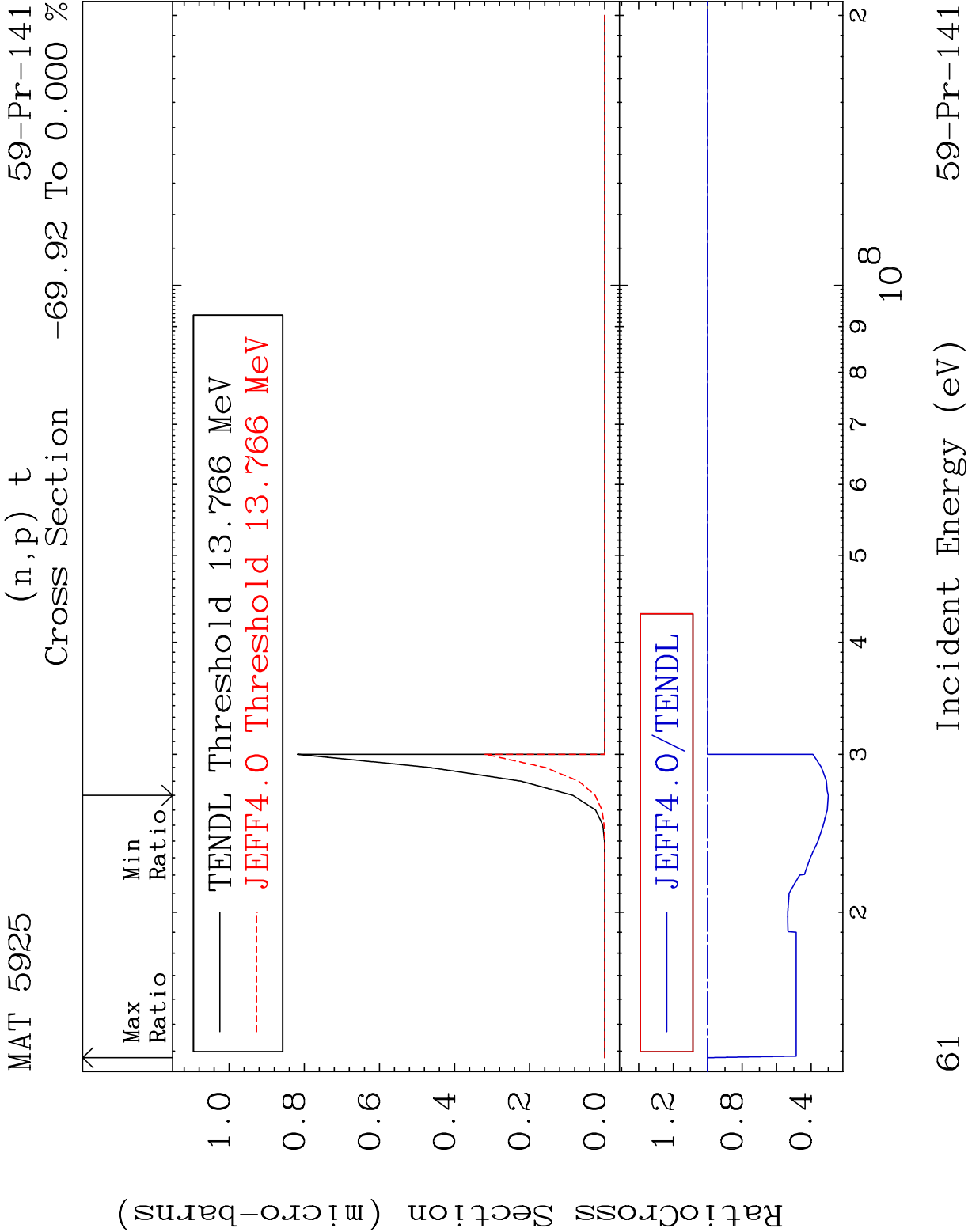
-40.38 To 127.5 %

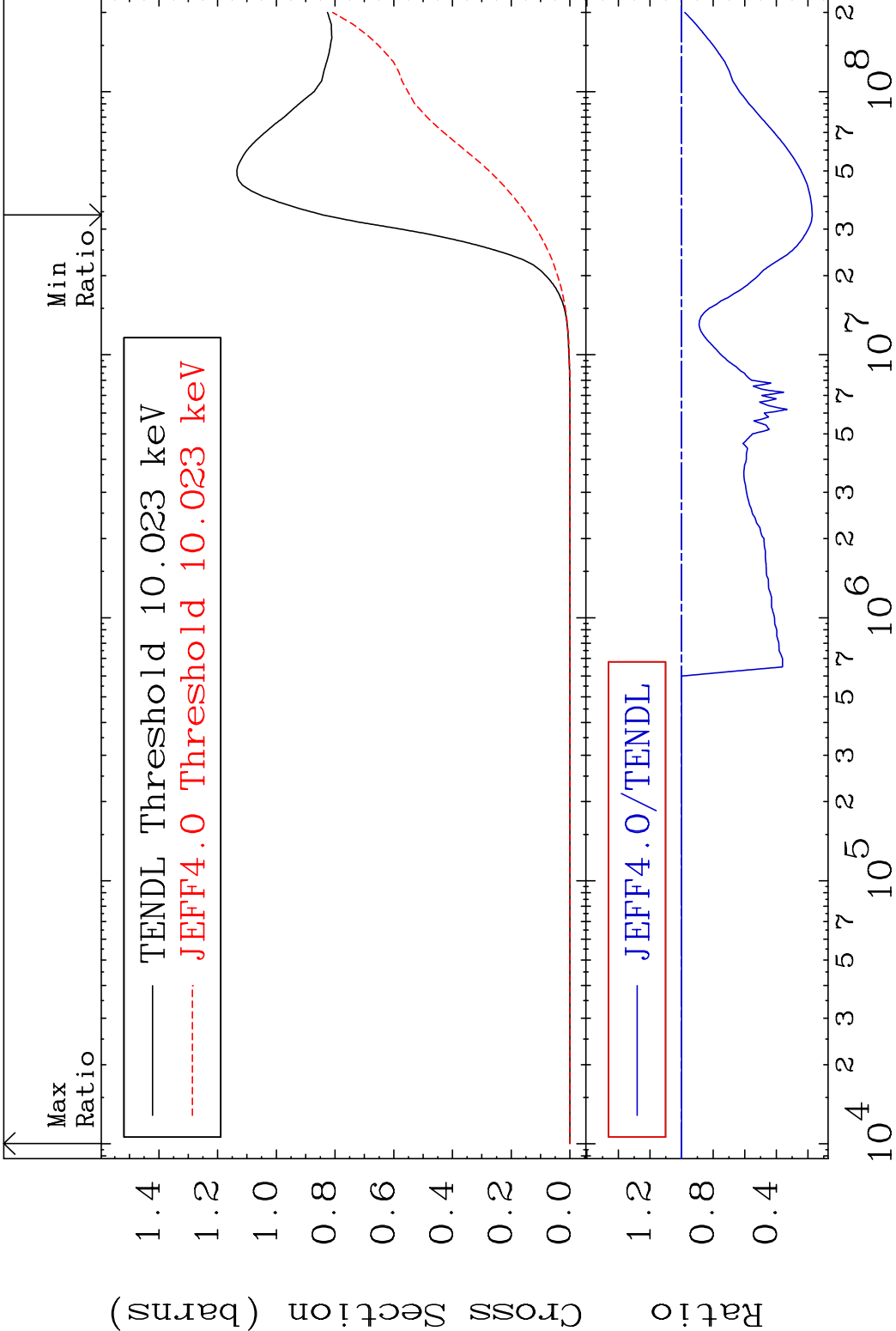


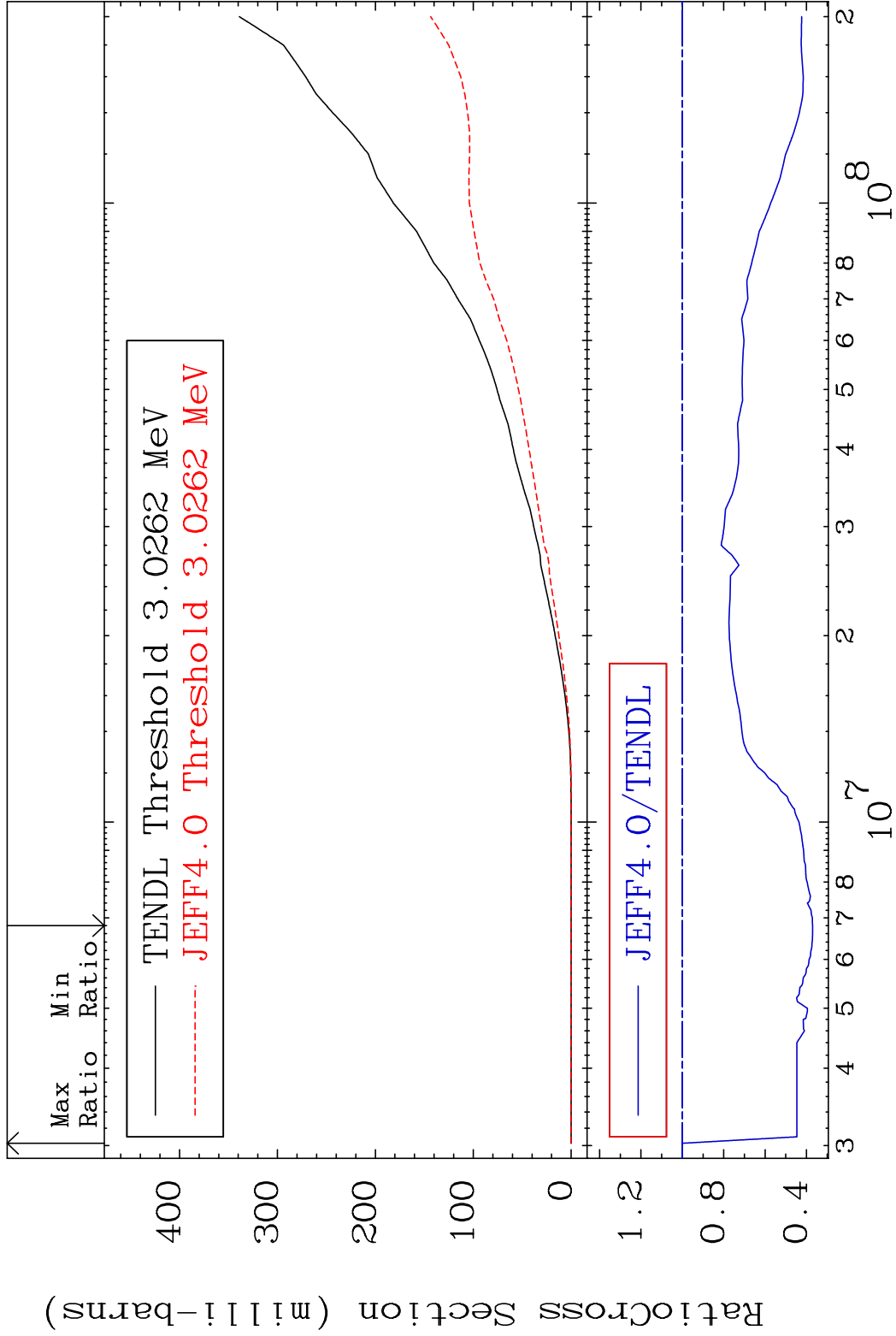




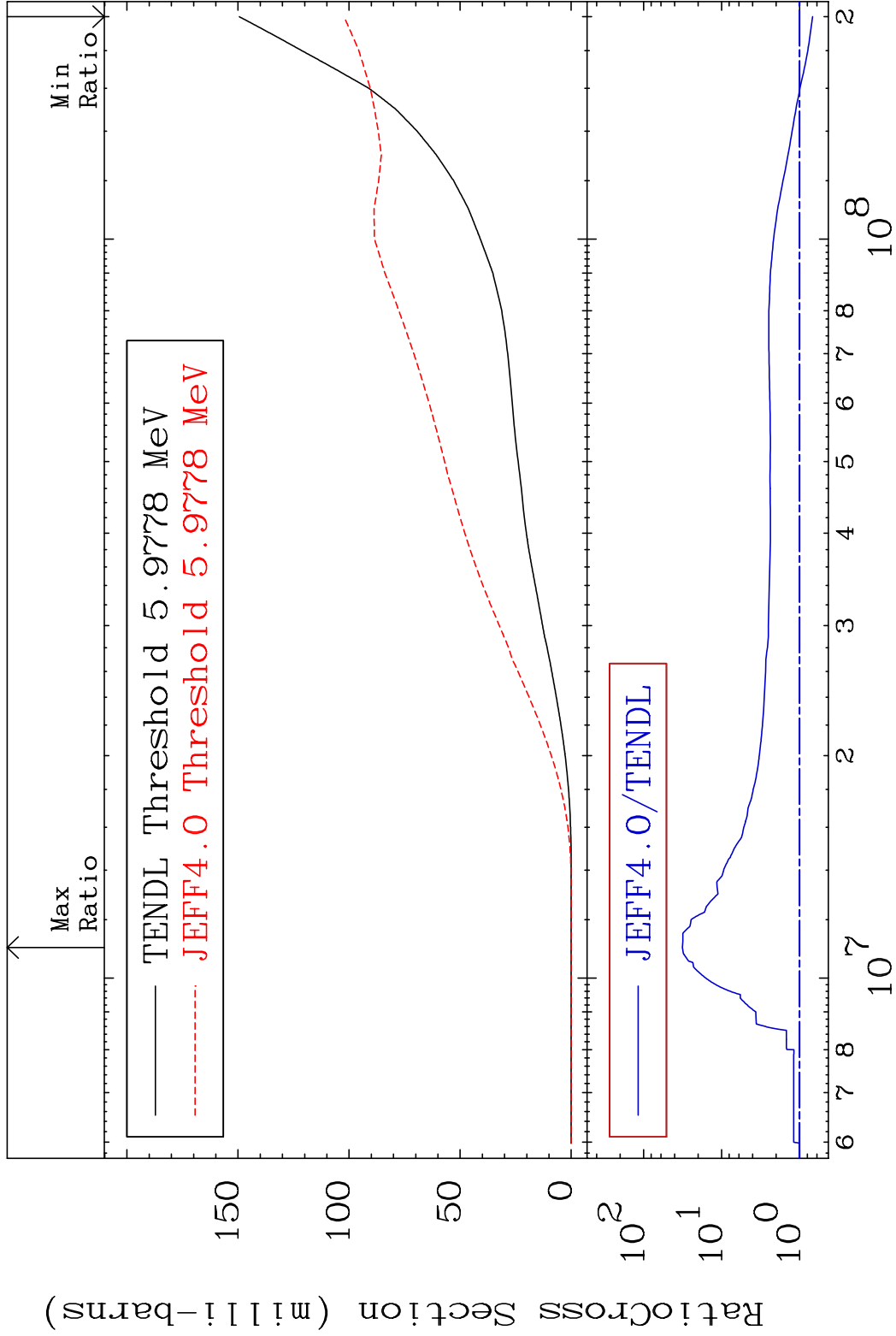




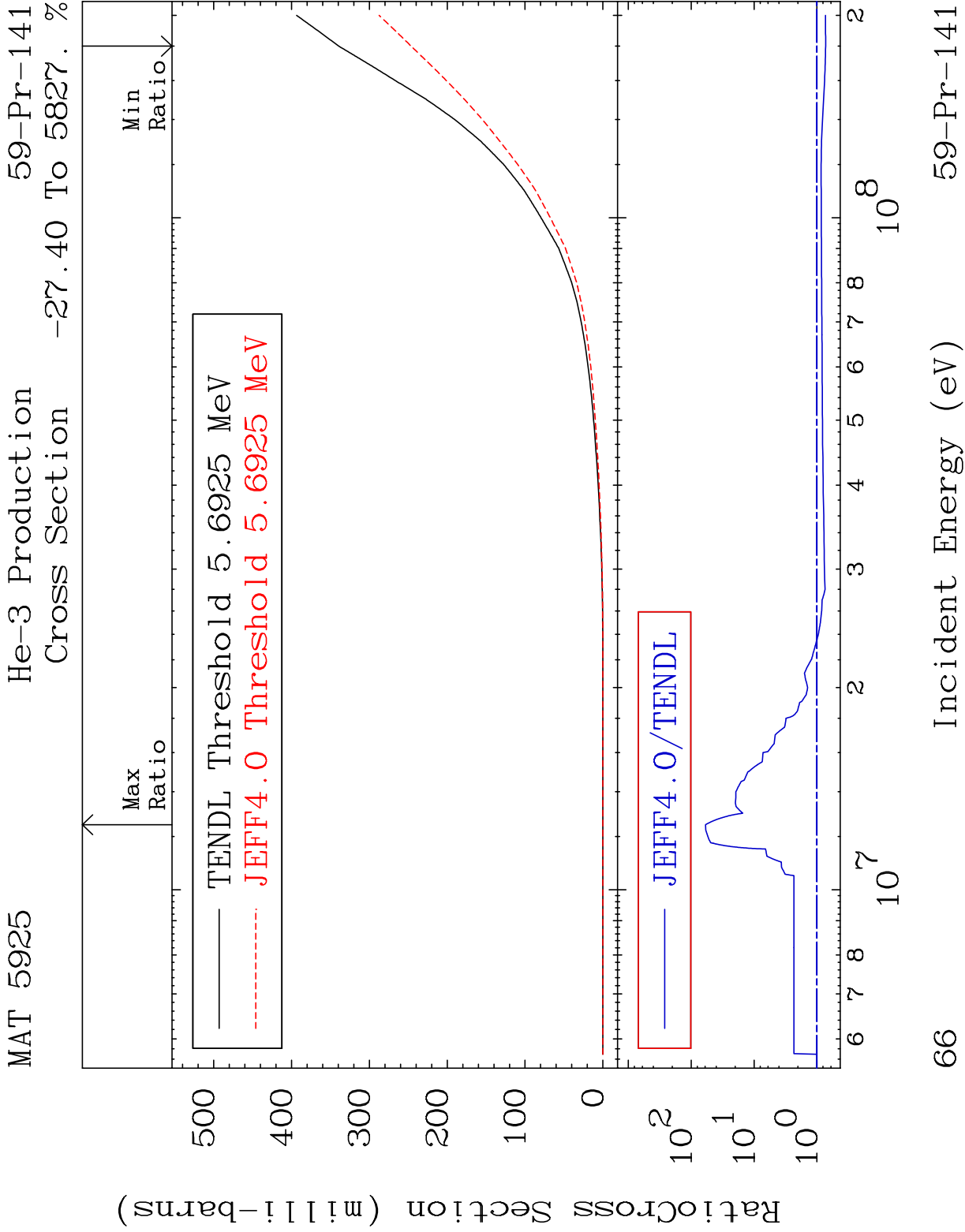


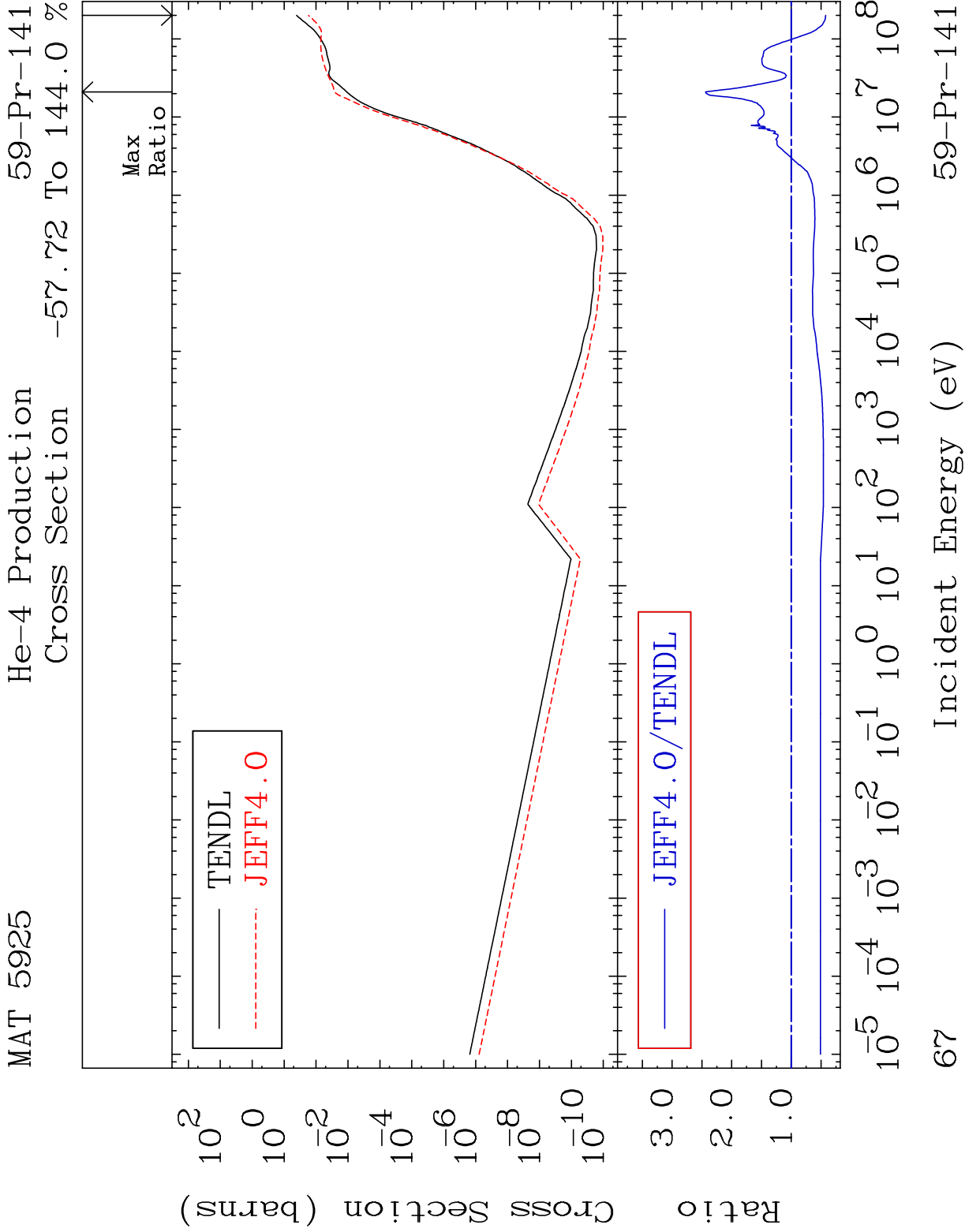


MAT 5925 Tritium Production 59-Pr-141
Cross Section -31.55 To 3087. %

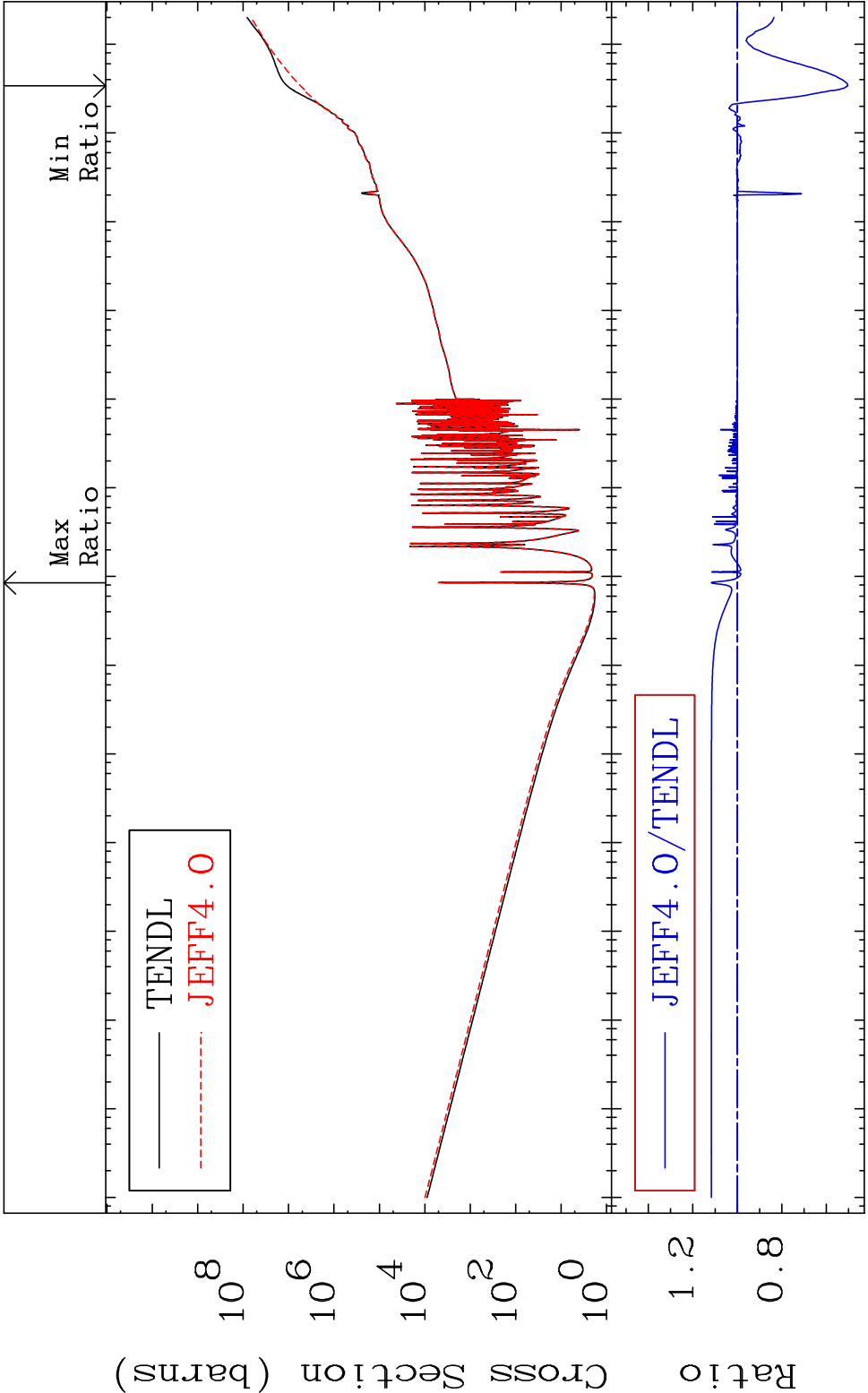


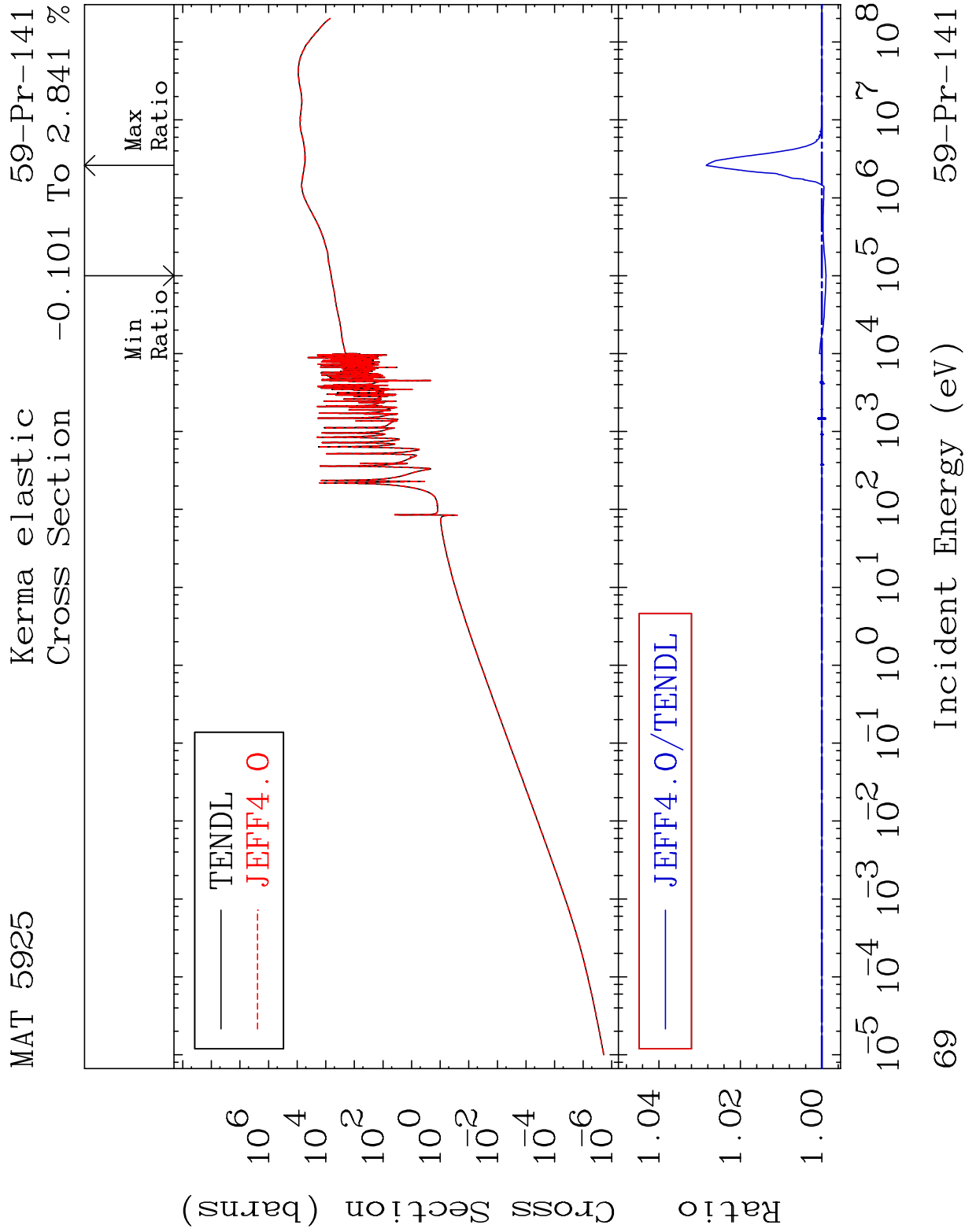
65 59-Pr-141



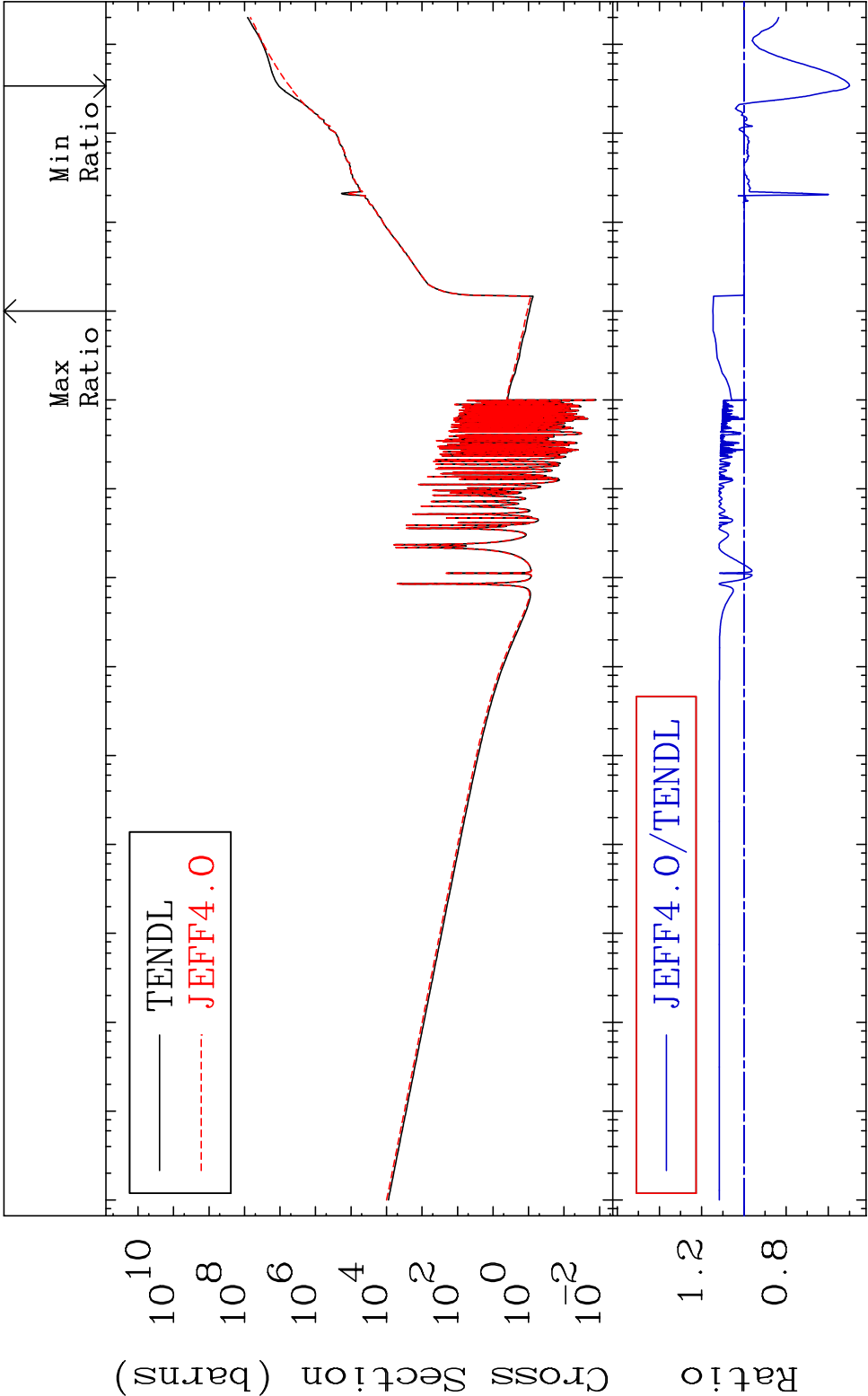


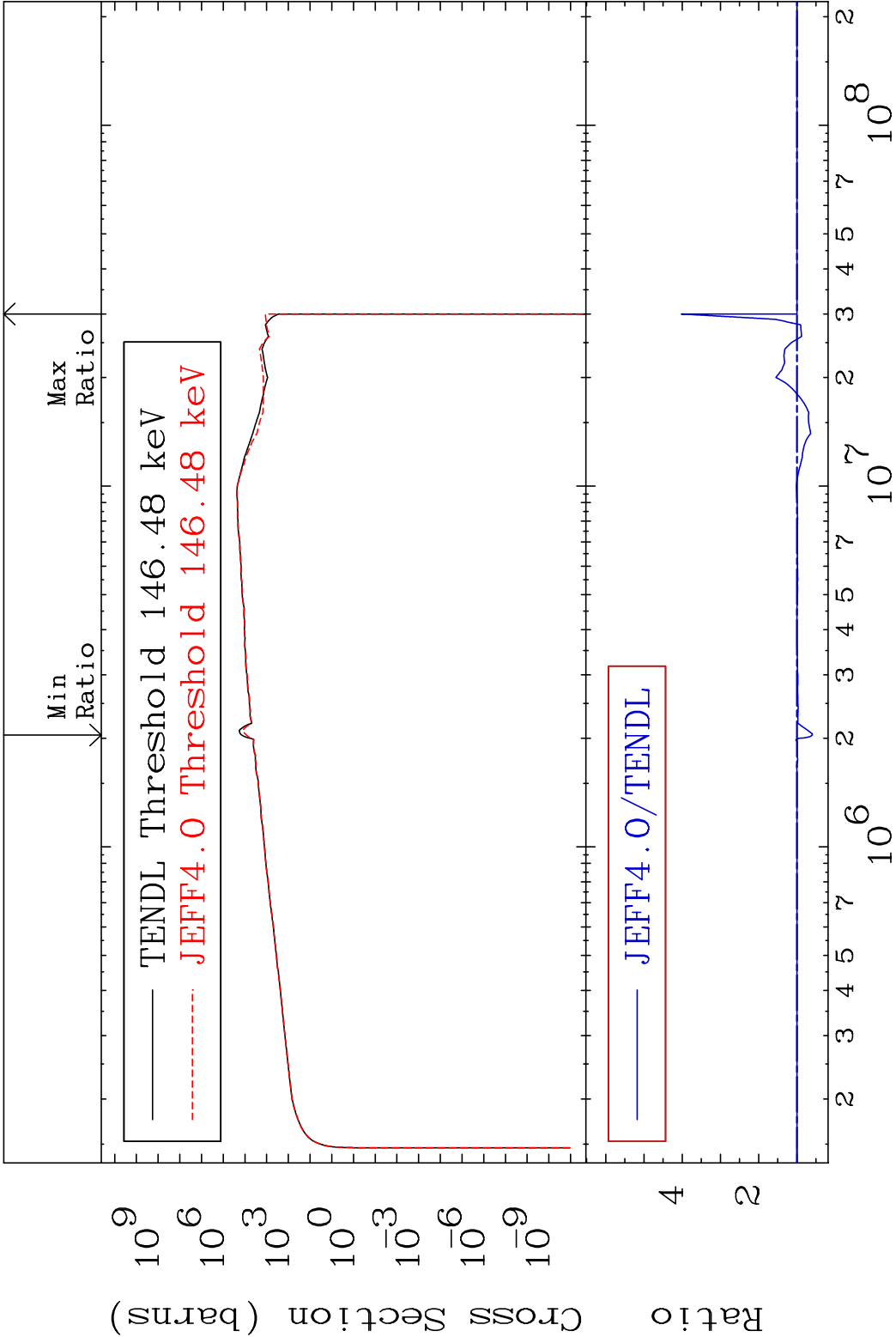
MAT 5925 Kerma total (eV-barns) 59-Pr-141
Cross Section -49.61 To 11.68 %



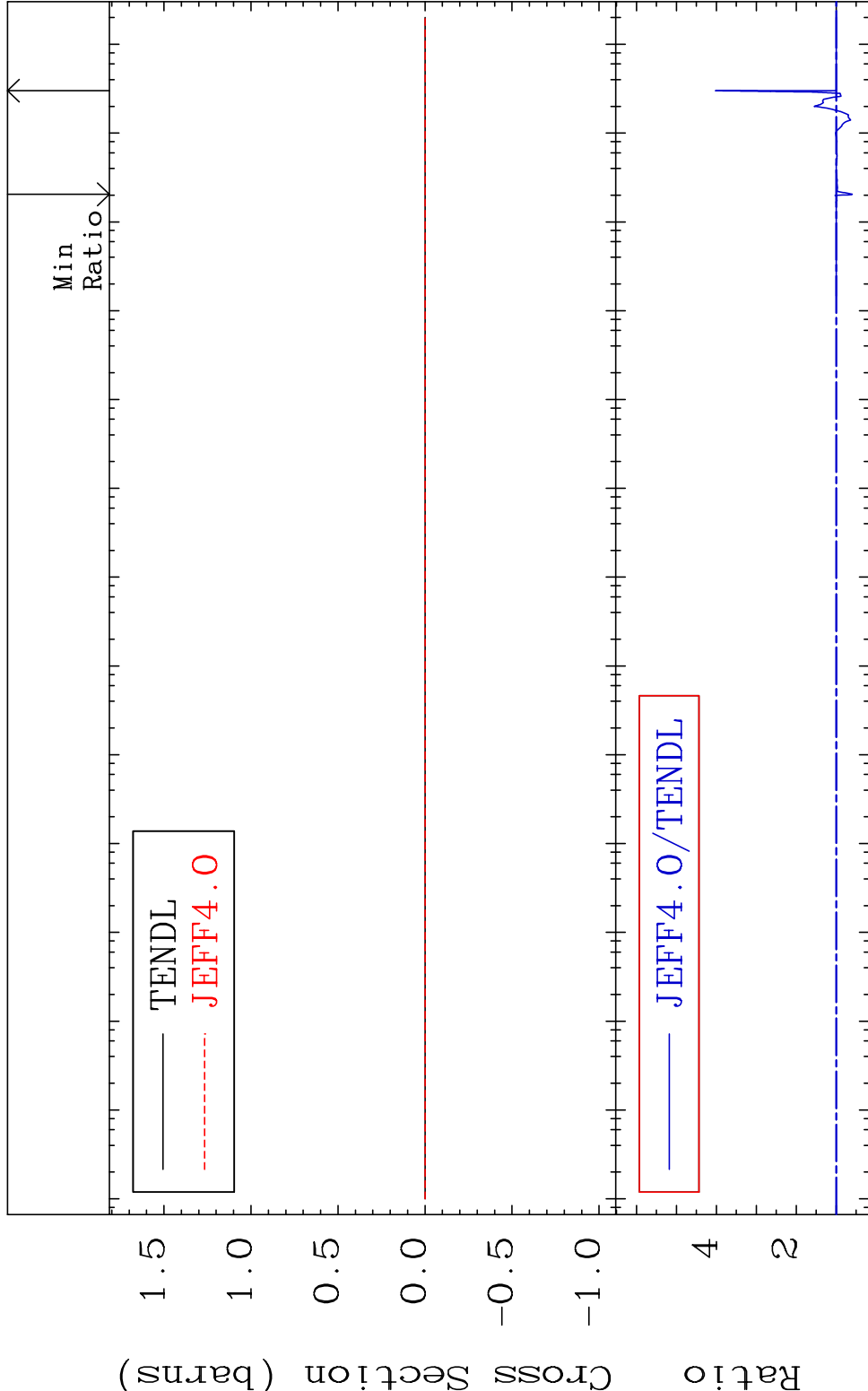


MAT 5925 Kerma non-elastic (all but mt2) 59-Pr-141
 Cross Section -50.02 To 14.74 %

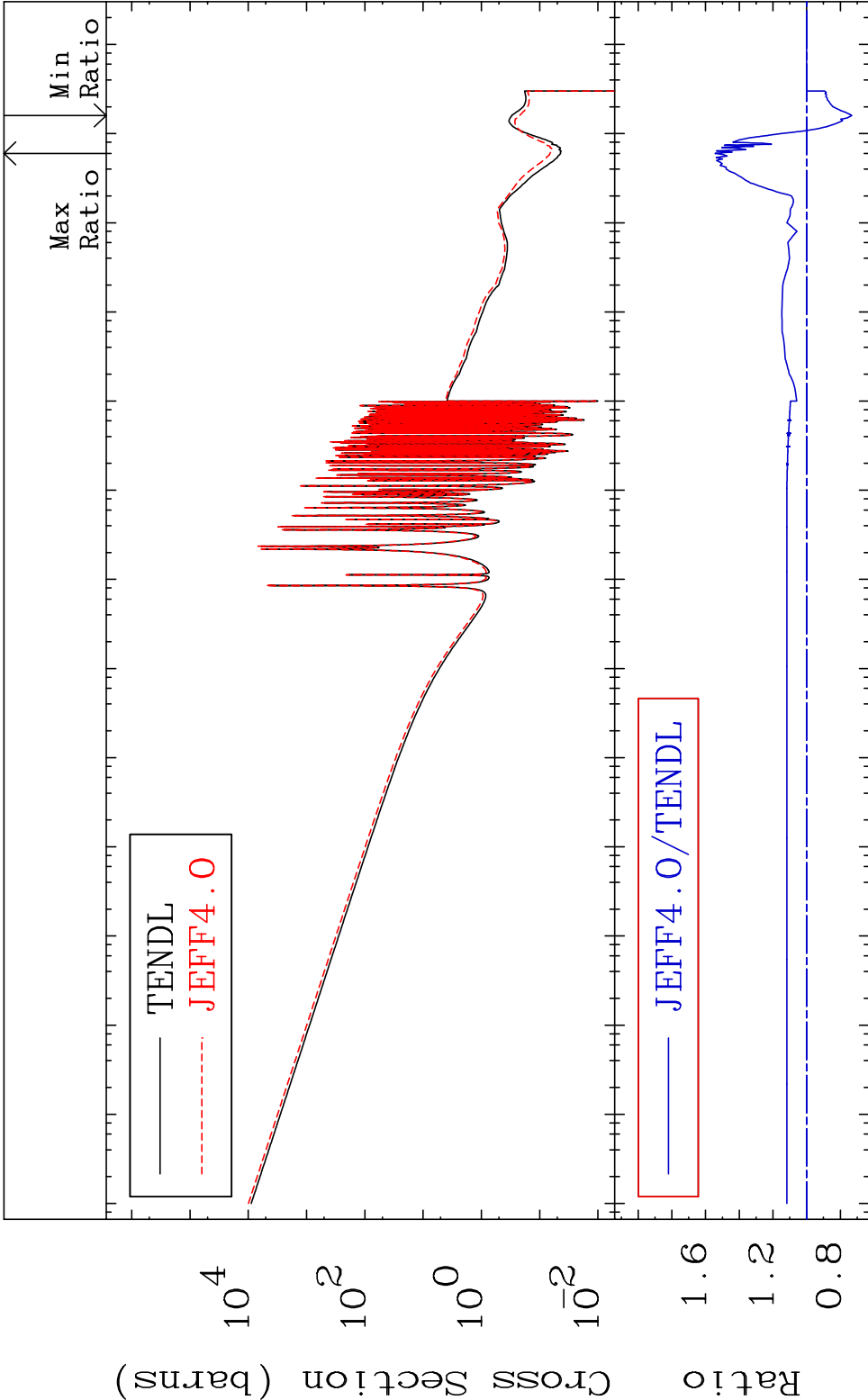




MAT 5925 Kerma fission (mt18 or mt19-20-21-38)59-Pr-141
Cross Section -40.11 To 301.8 %



MAT 5925 Kerma capture (mt102) 59-Pr-141
Cross Section -27.02 To 54.38 %



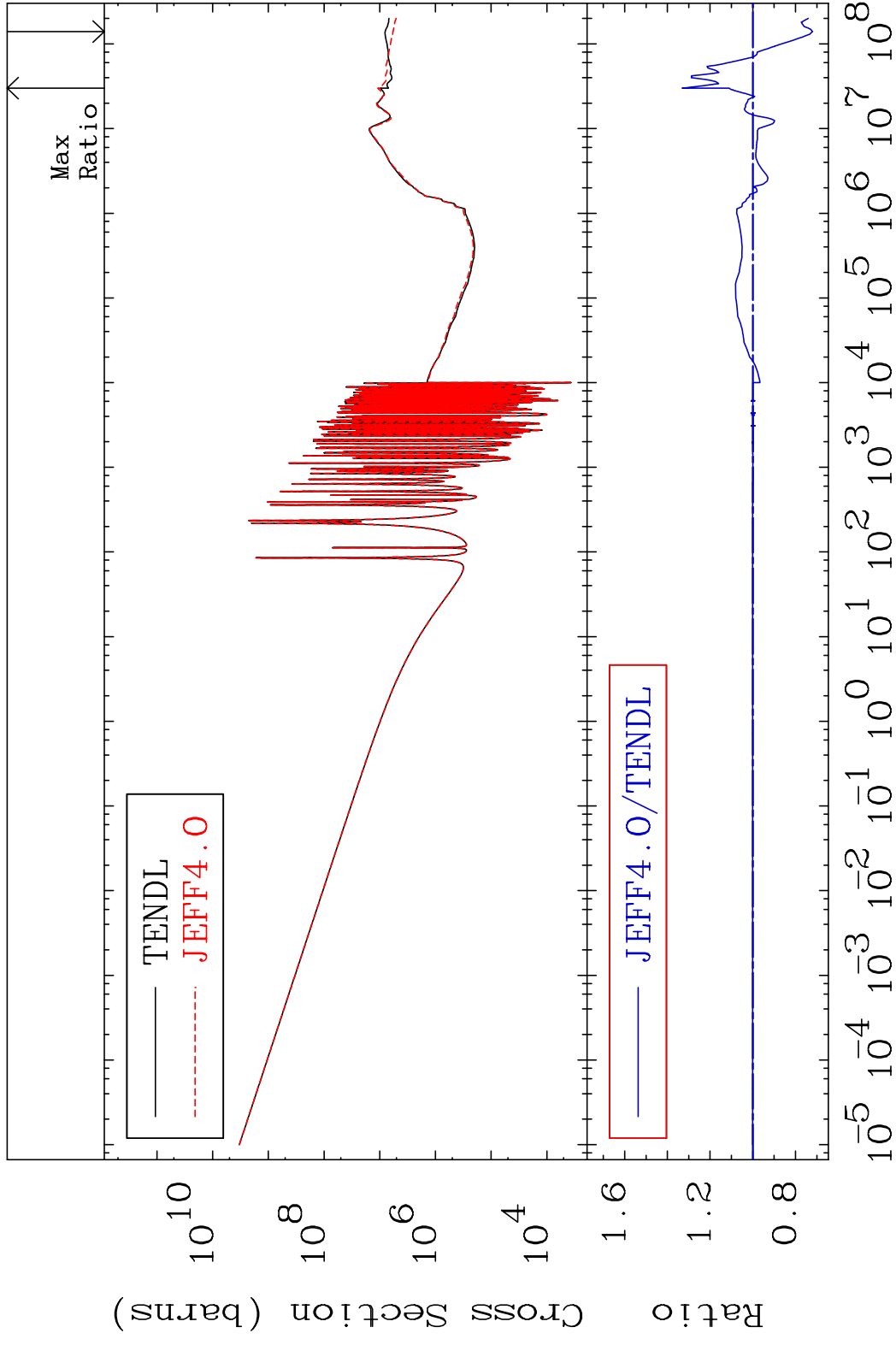
73 Incident Energy (eV) 59-Pr-141

MAT 5925

Total photon (eV-barns)

59-Pr-141

Cross Section -28.00 To 32.99 %

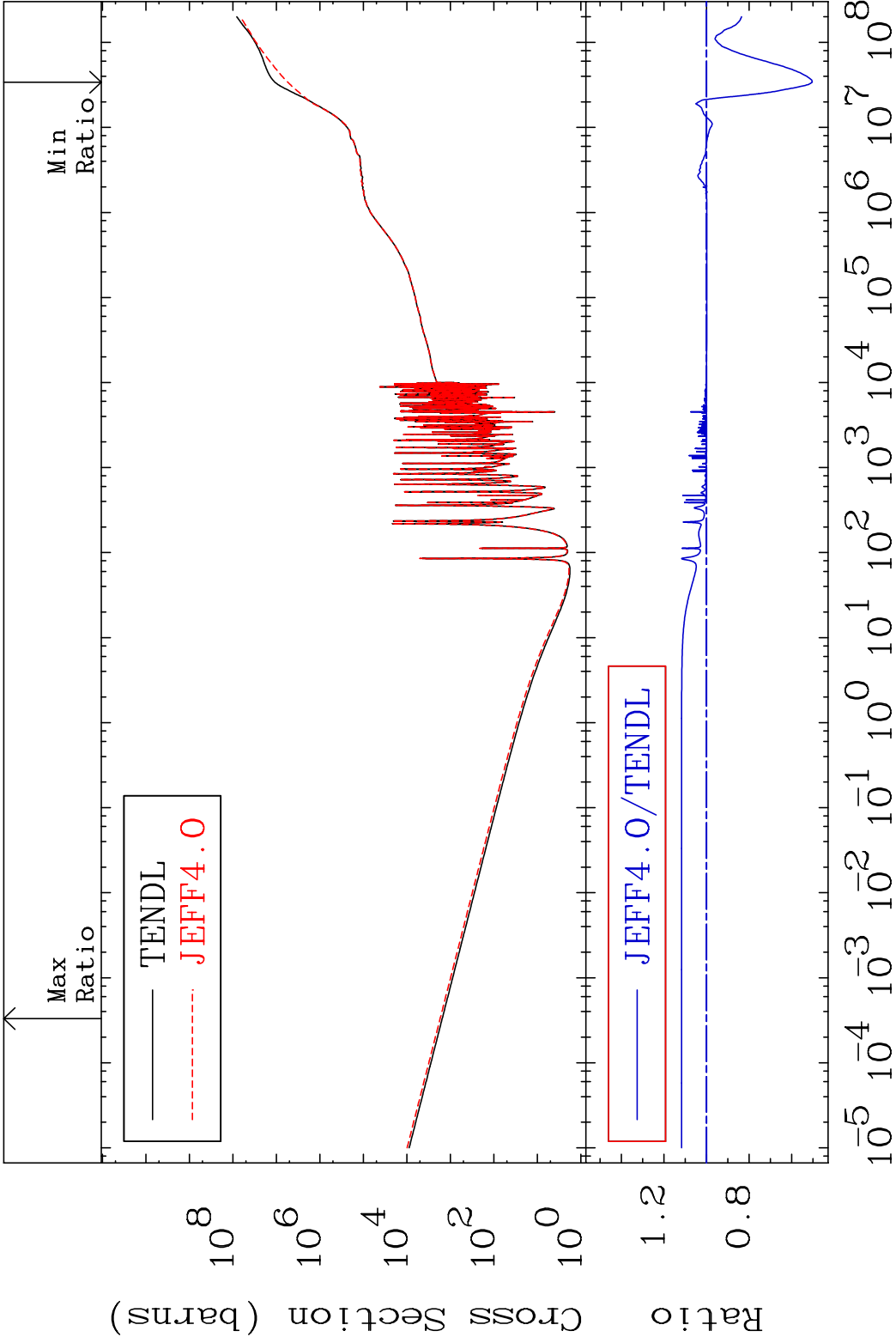


42

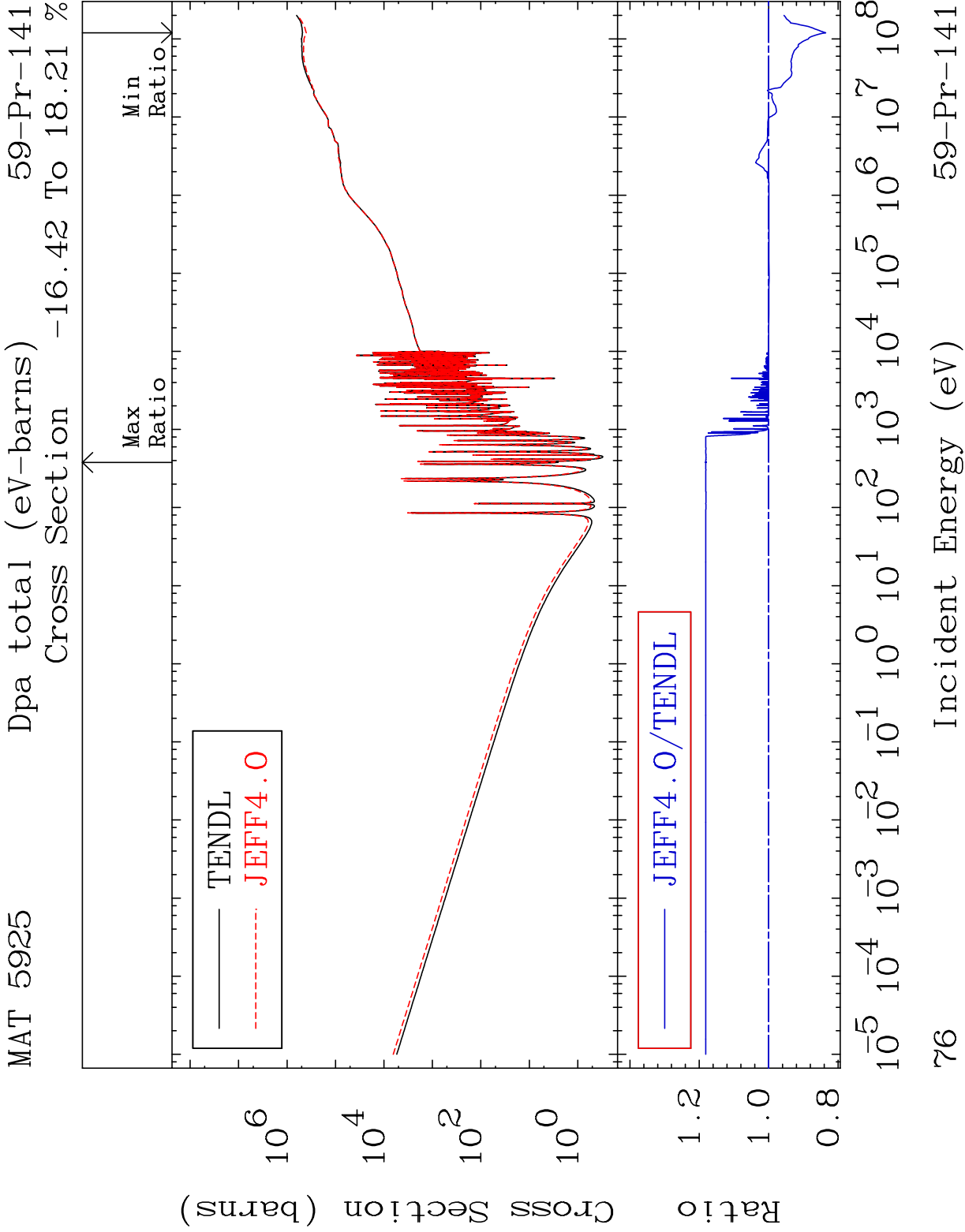
Incident Energy (eV)

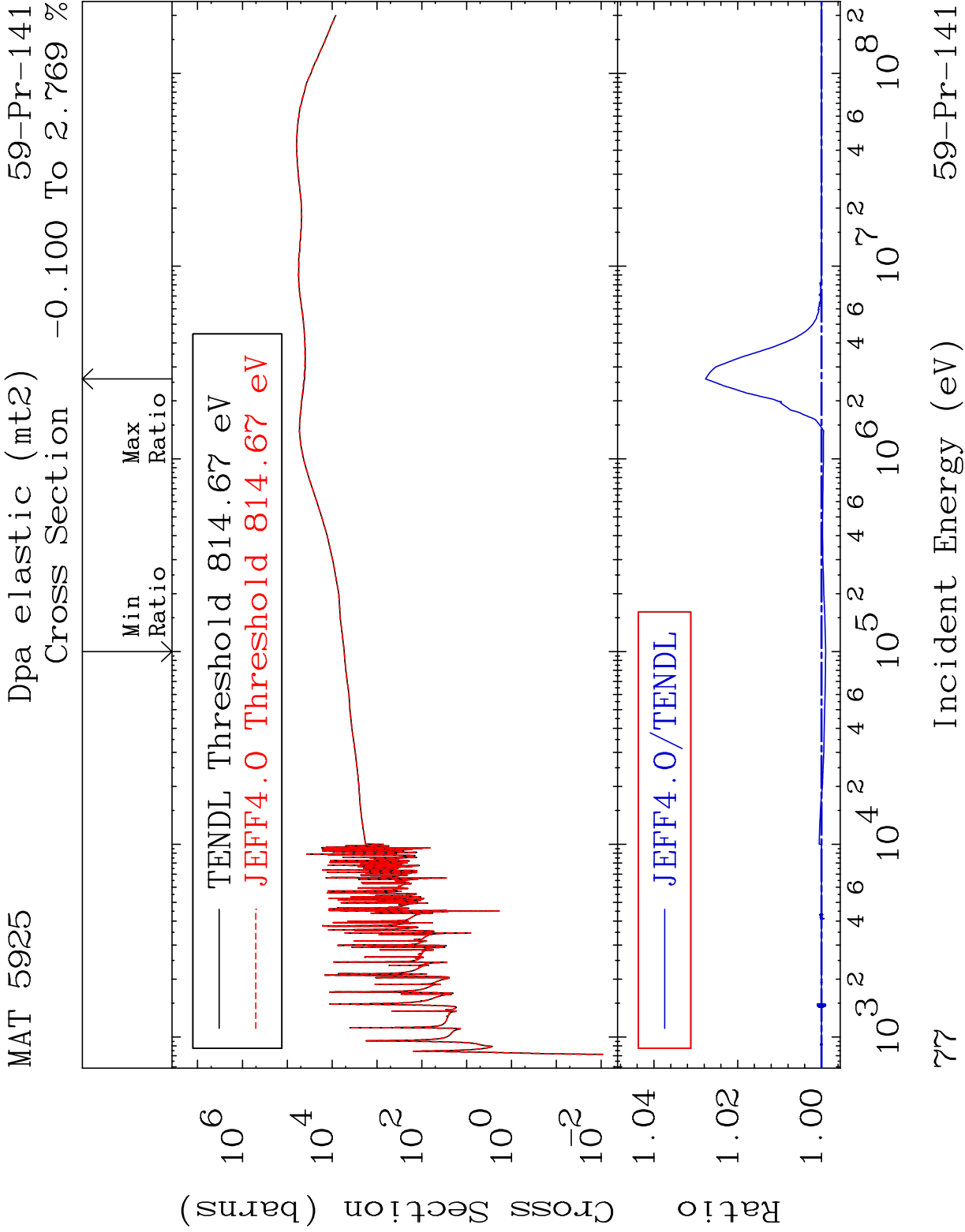
59-Pr-141

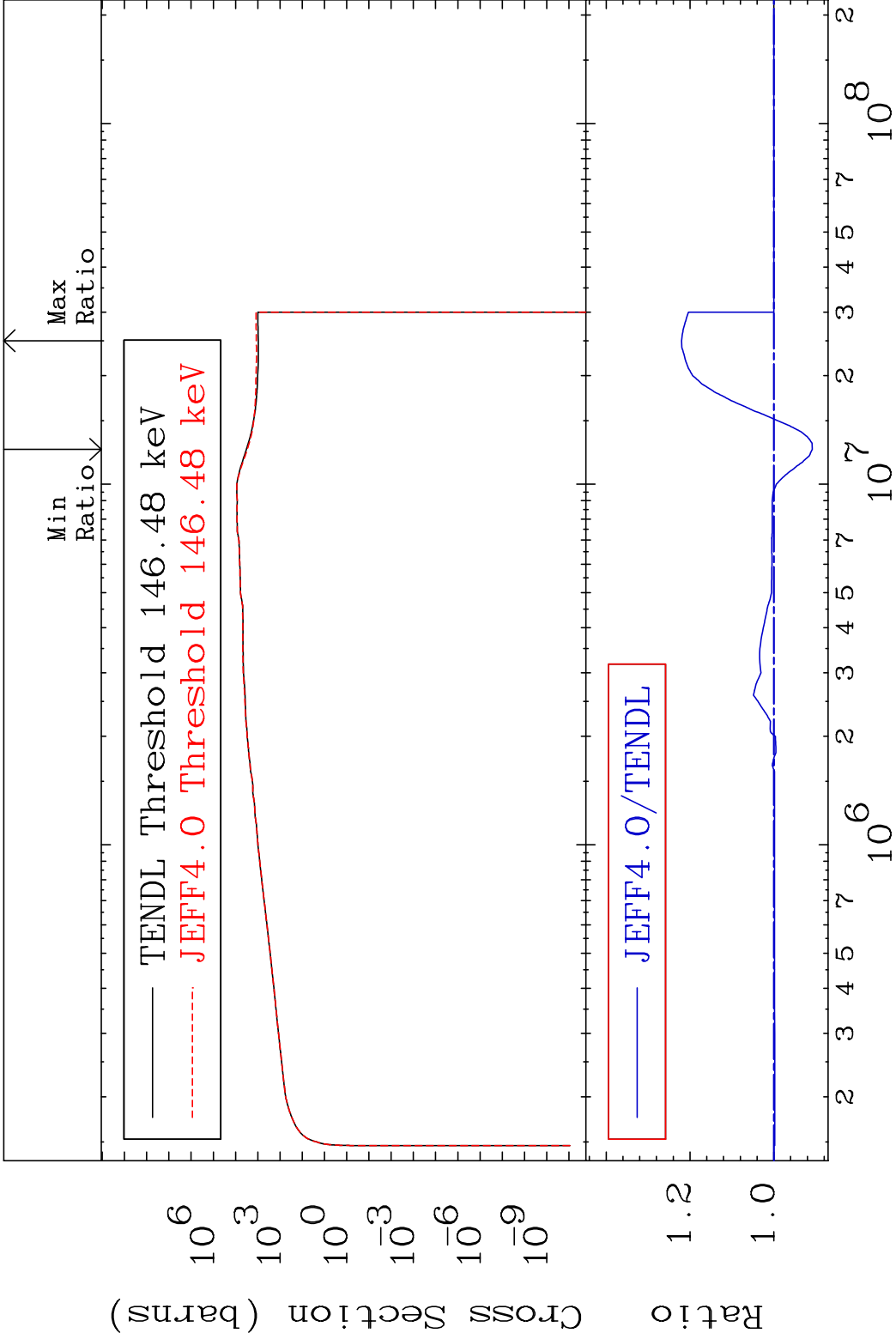
MAT 5925 Total kinematic kerma (high limit) 59-Pr-141
Cross Section -49.61 To 11.74 %



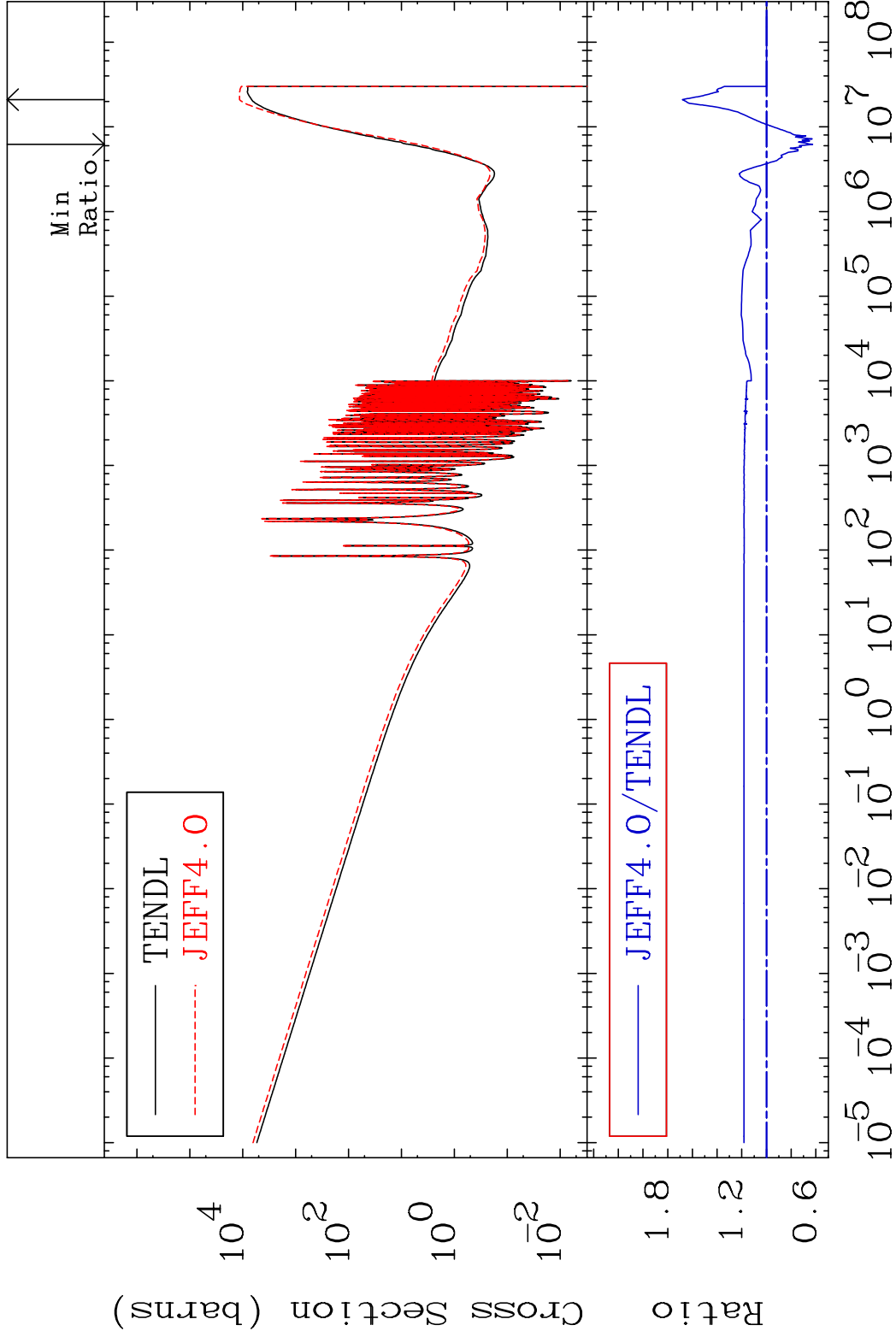
75 Incident Energy (eV) 59-Pr-141







MAT 5925 Dpa disappearance (mt102 -120) 59-Pr-141
Cross Section -37.34 To 68.12 %



79 Incident Energy (eV) 59-Pr-141

