

Program Complot
(Version 2021-1)

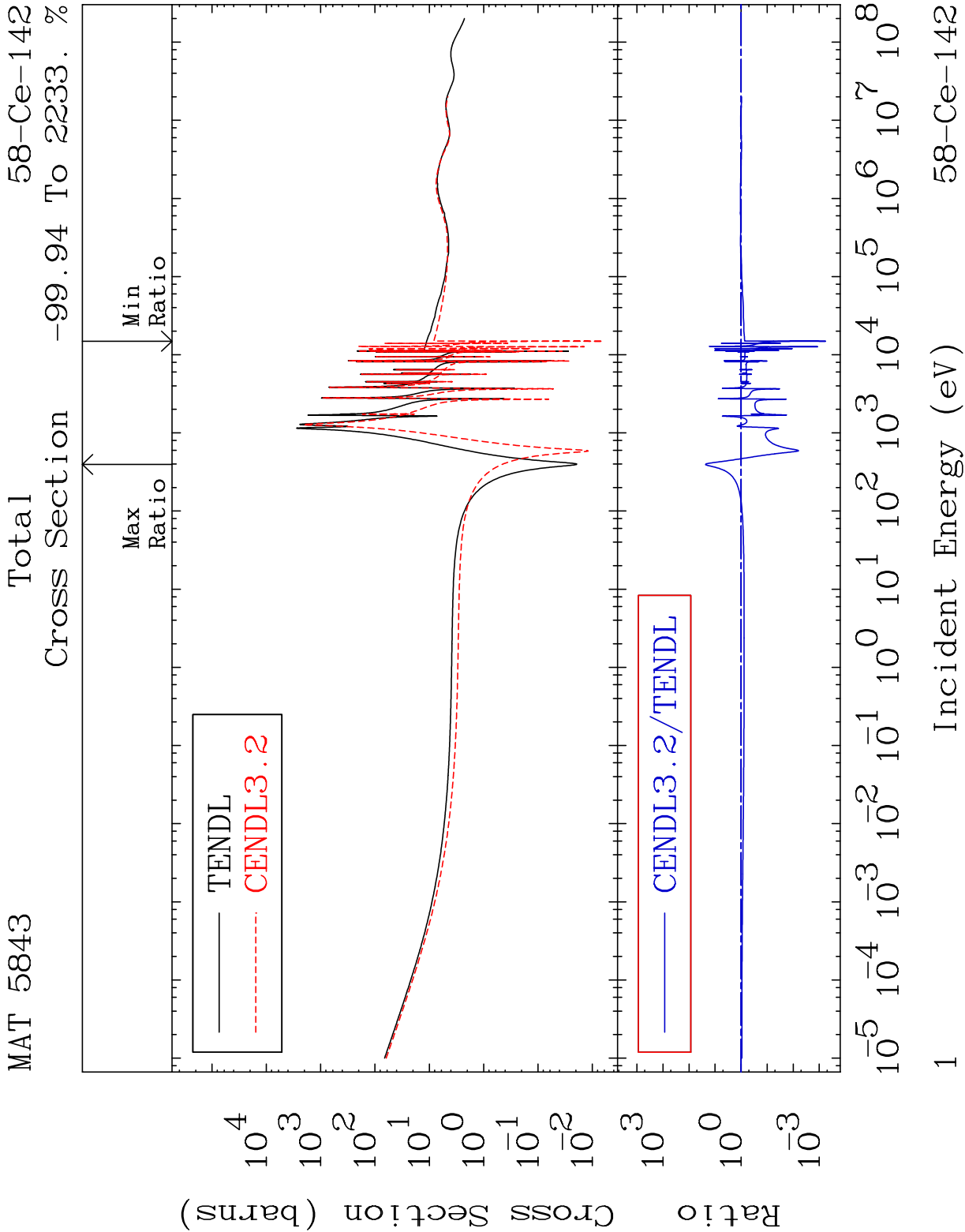
by

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Press Mouse Button to Start

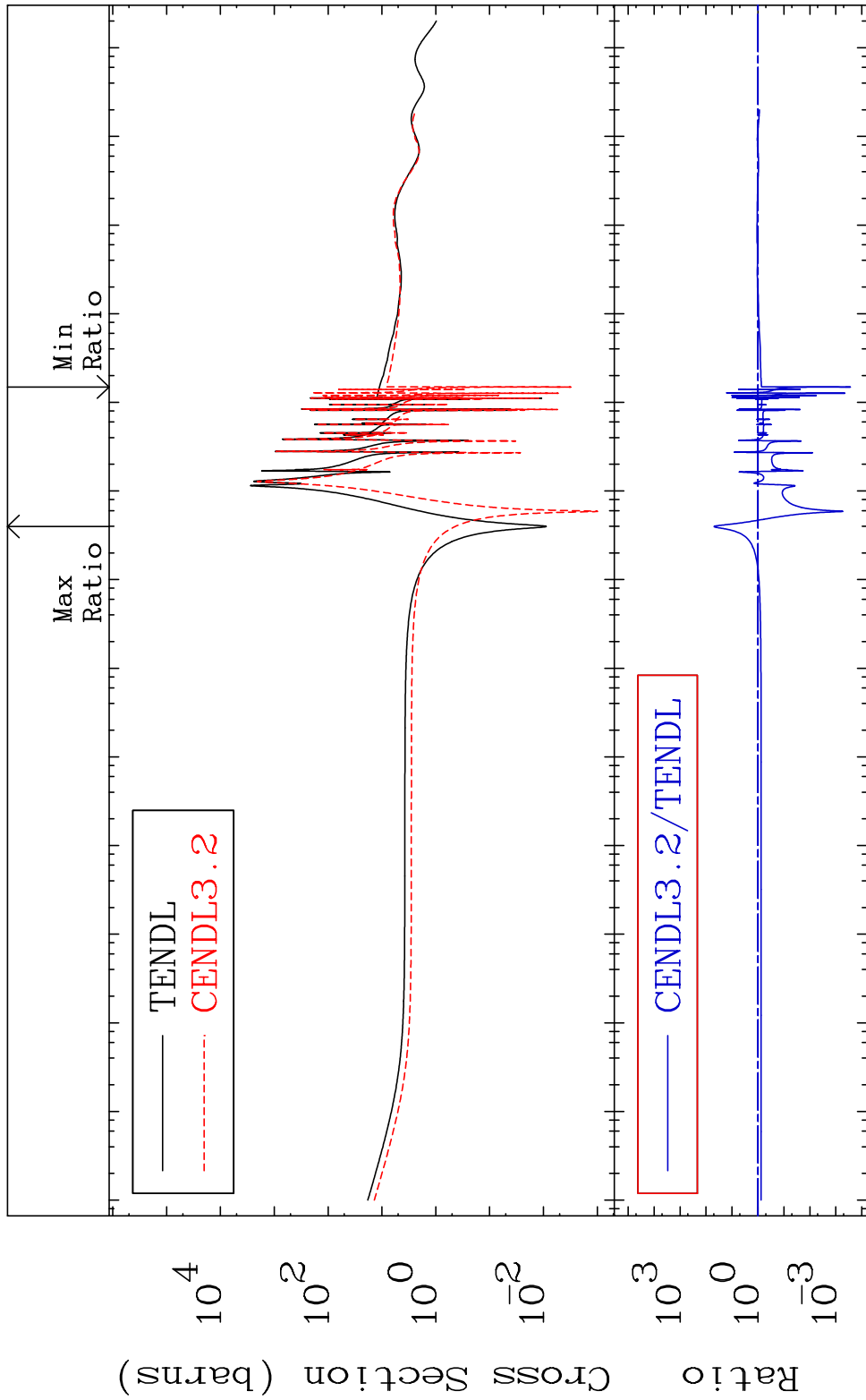


MAT 5843

Elastic

58-Ce-142

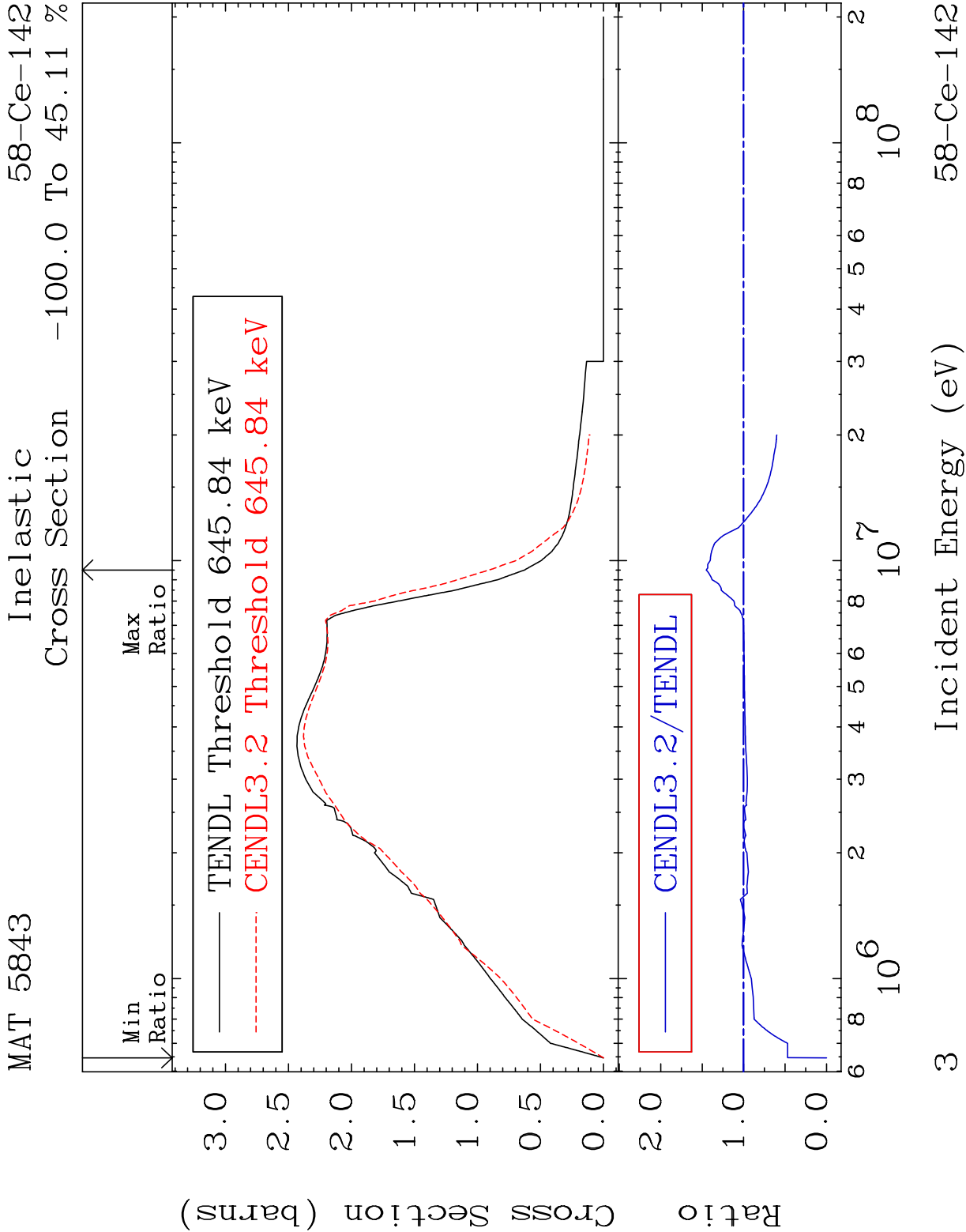
Cross Section -99.97 To 4826. %

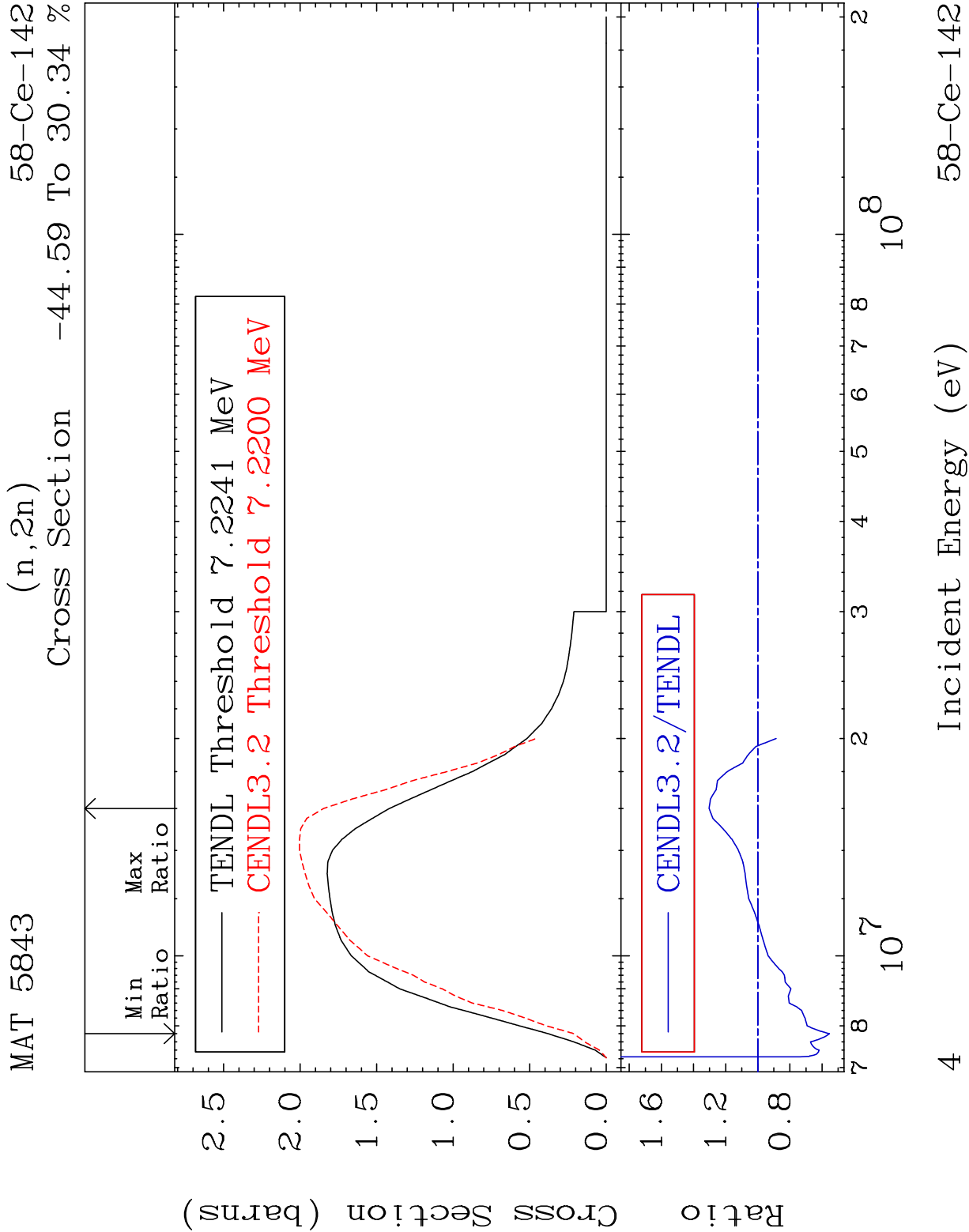


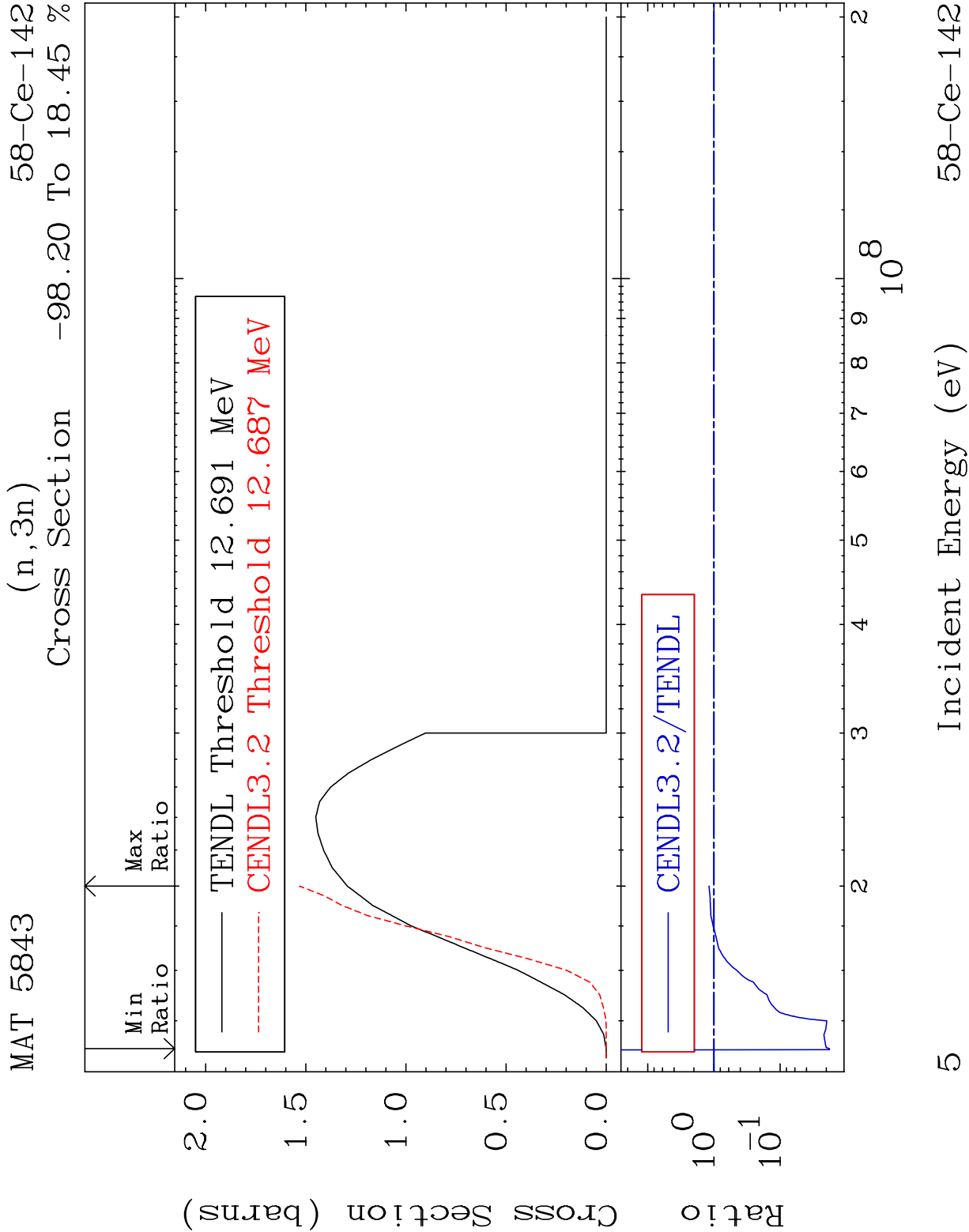
2

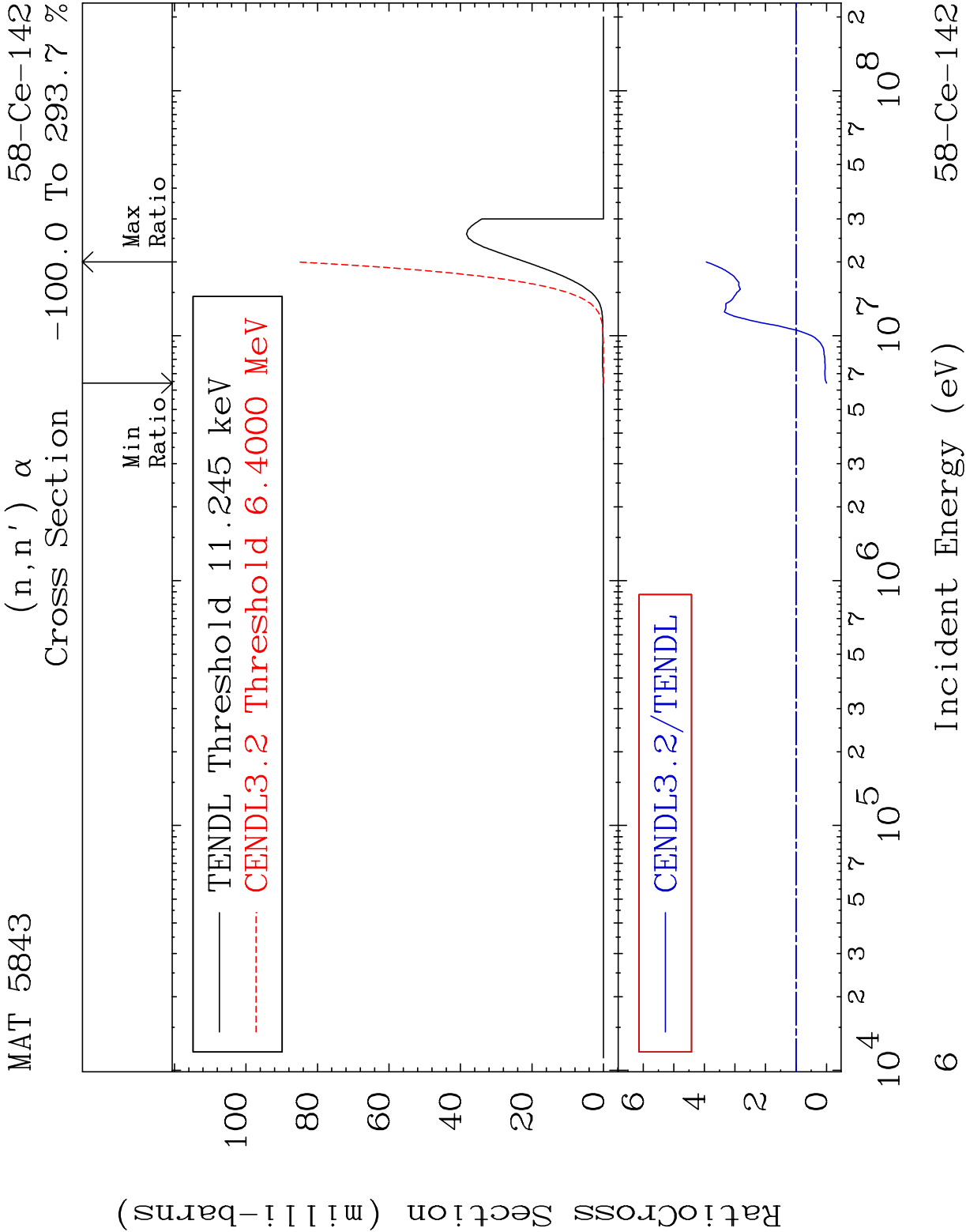
Incident Energy (eV)

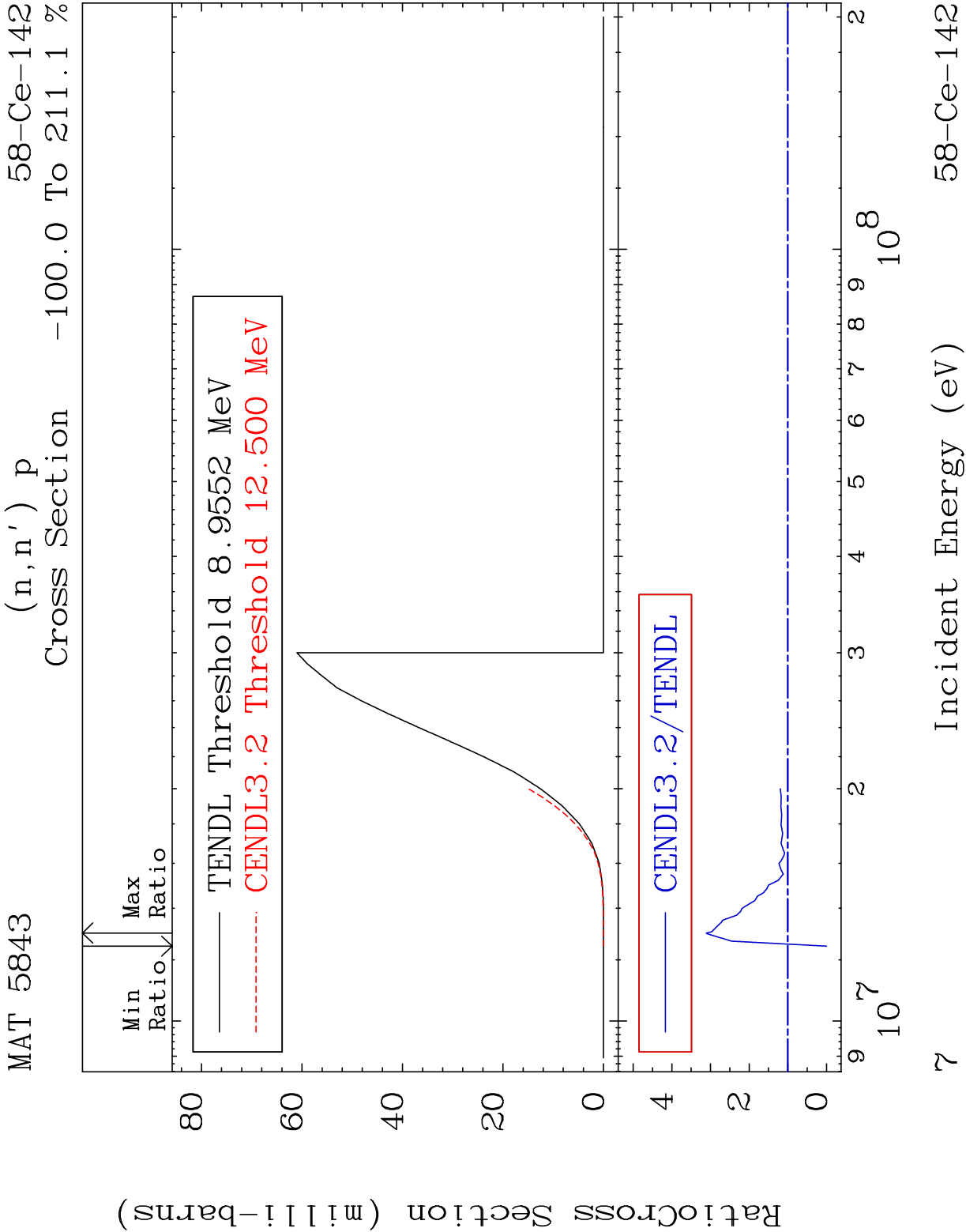
58-Ce-142



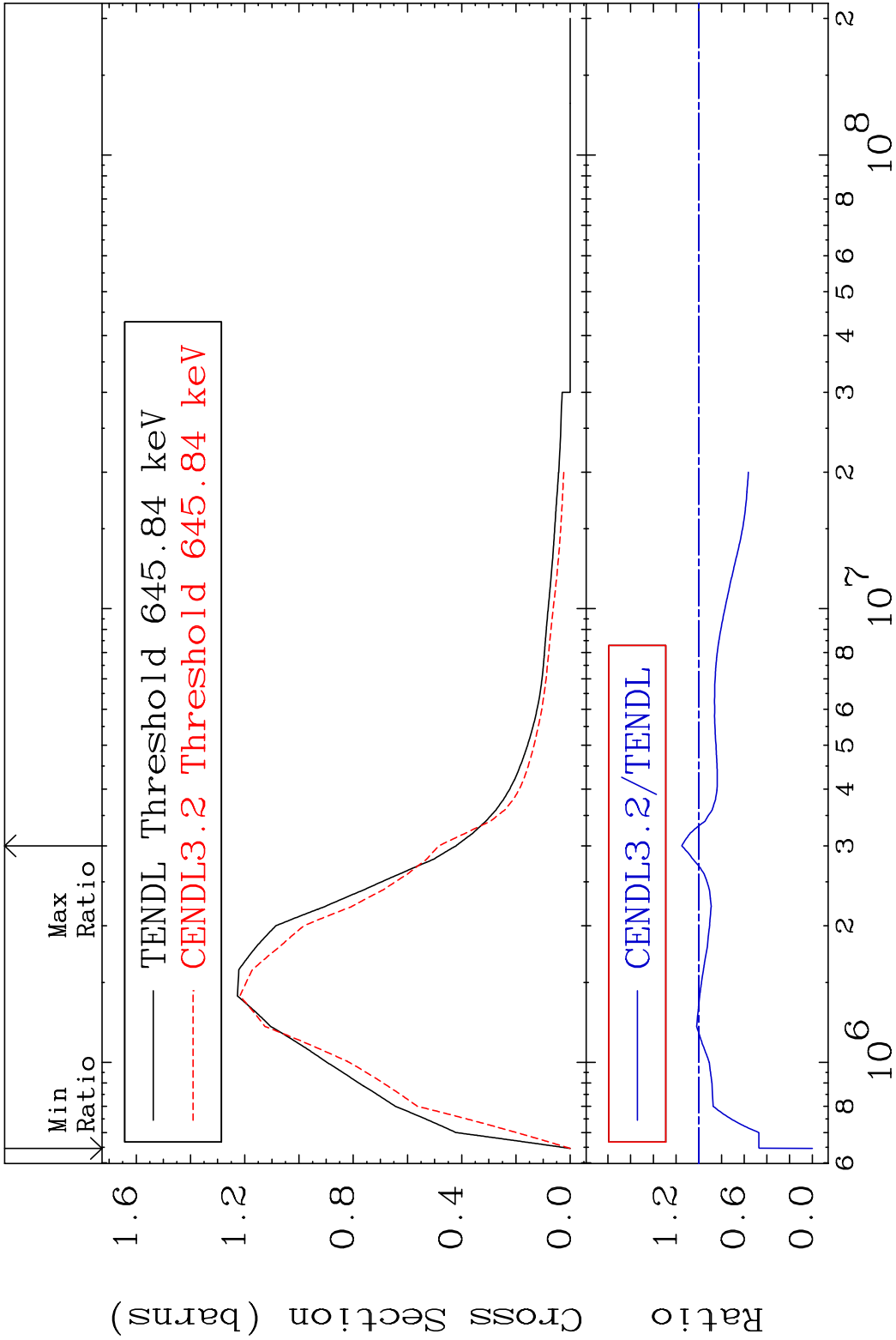








MAT 5843 MT= 51 (n,n') Level 58-Ce-142
Cross Section -100.0 To 15.00 %



8 Incident Energy (eV) 58-Ce-142

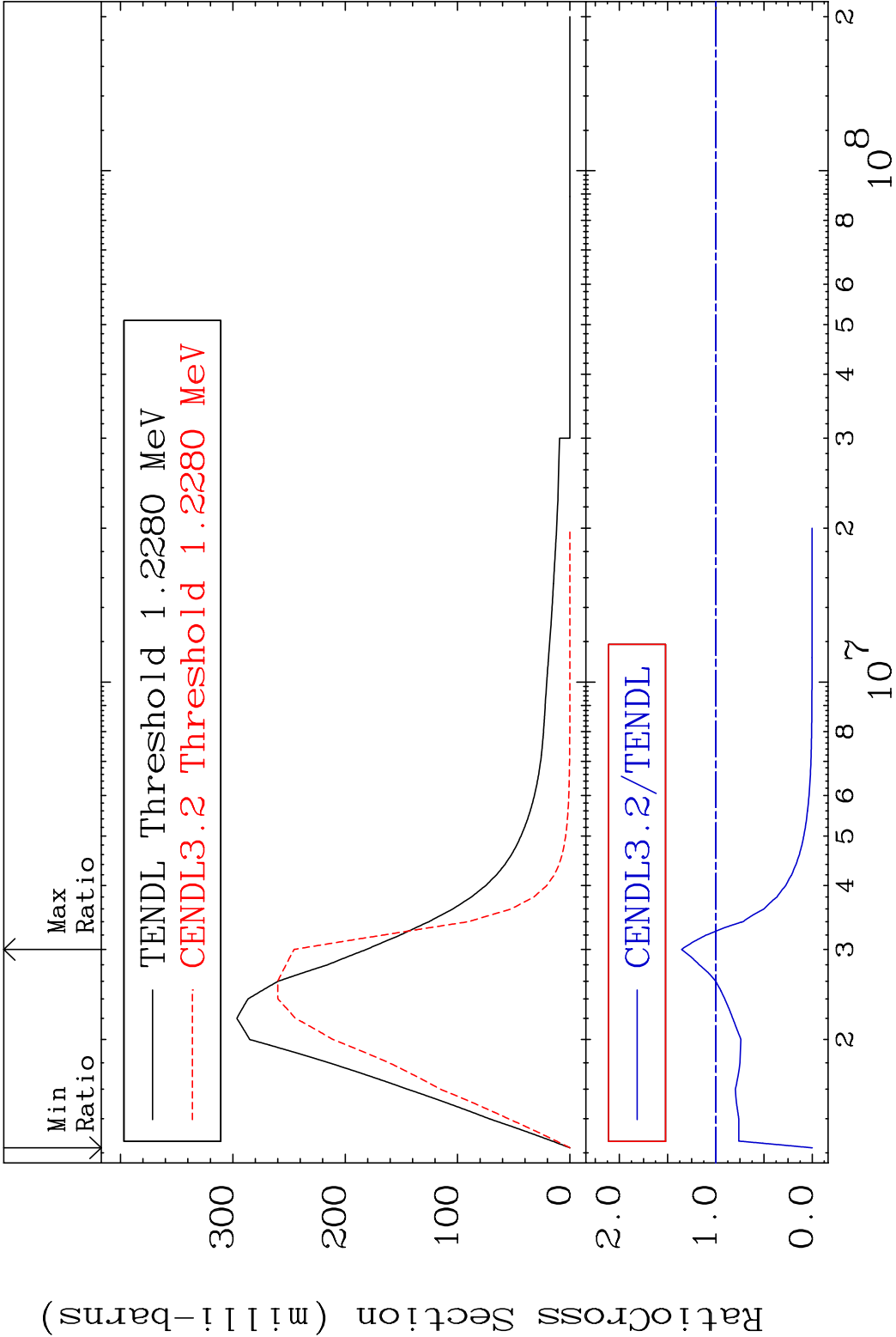
MAT 5843

MT= 52 (n,n') Level

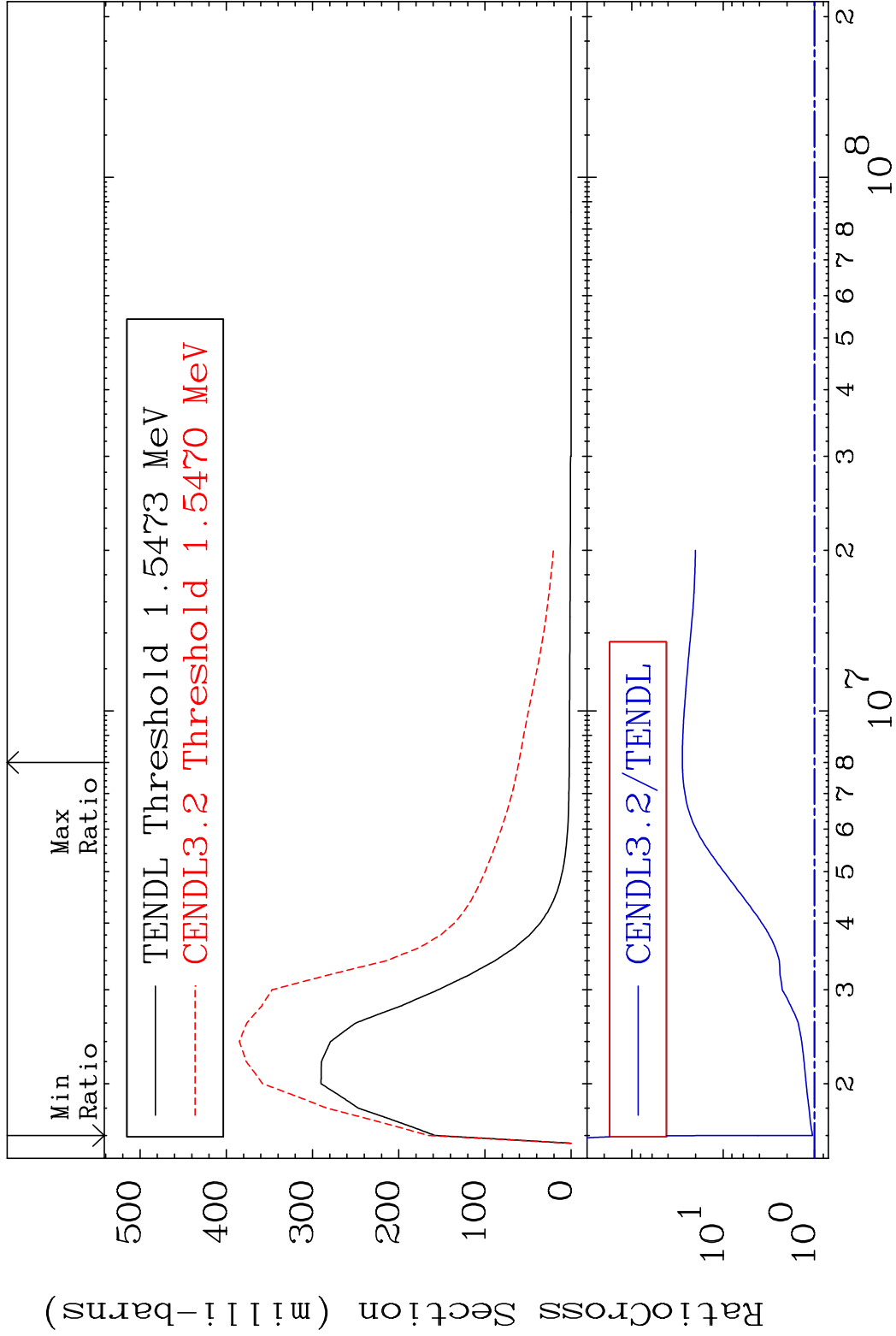
58-Ce-142

Cross Section

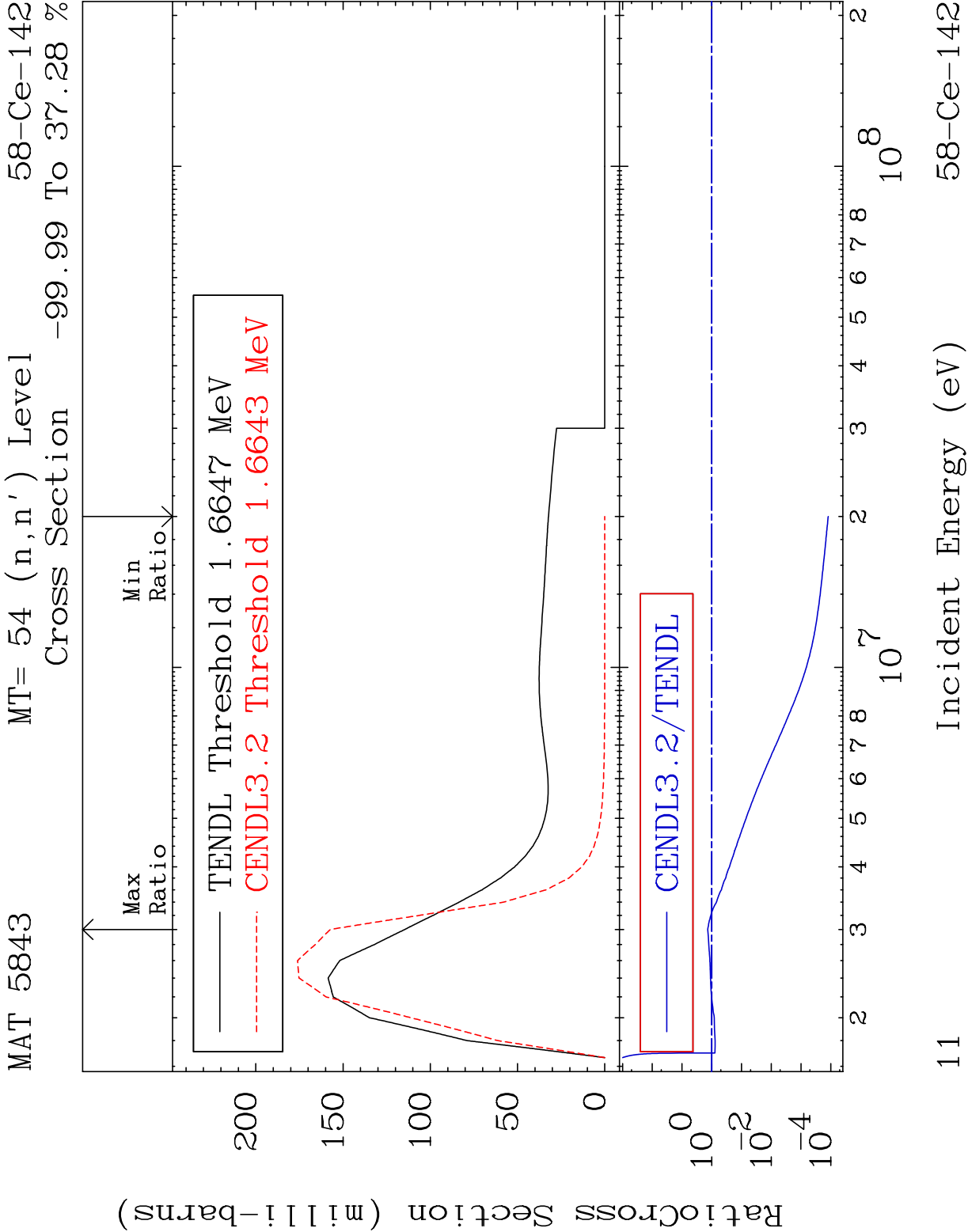
-100.0 To 35.56 %



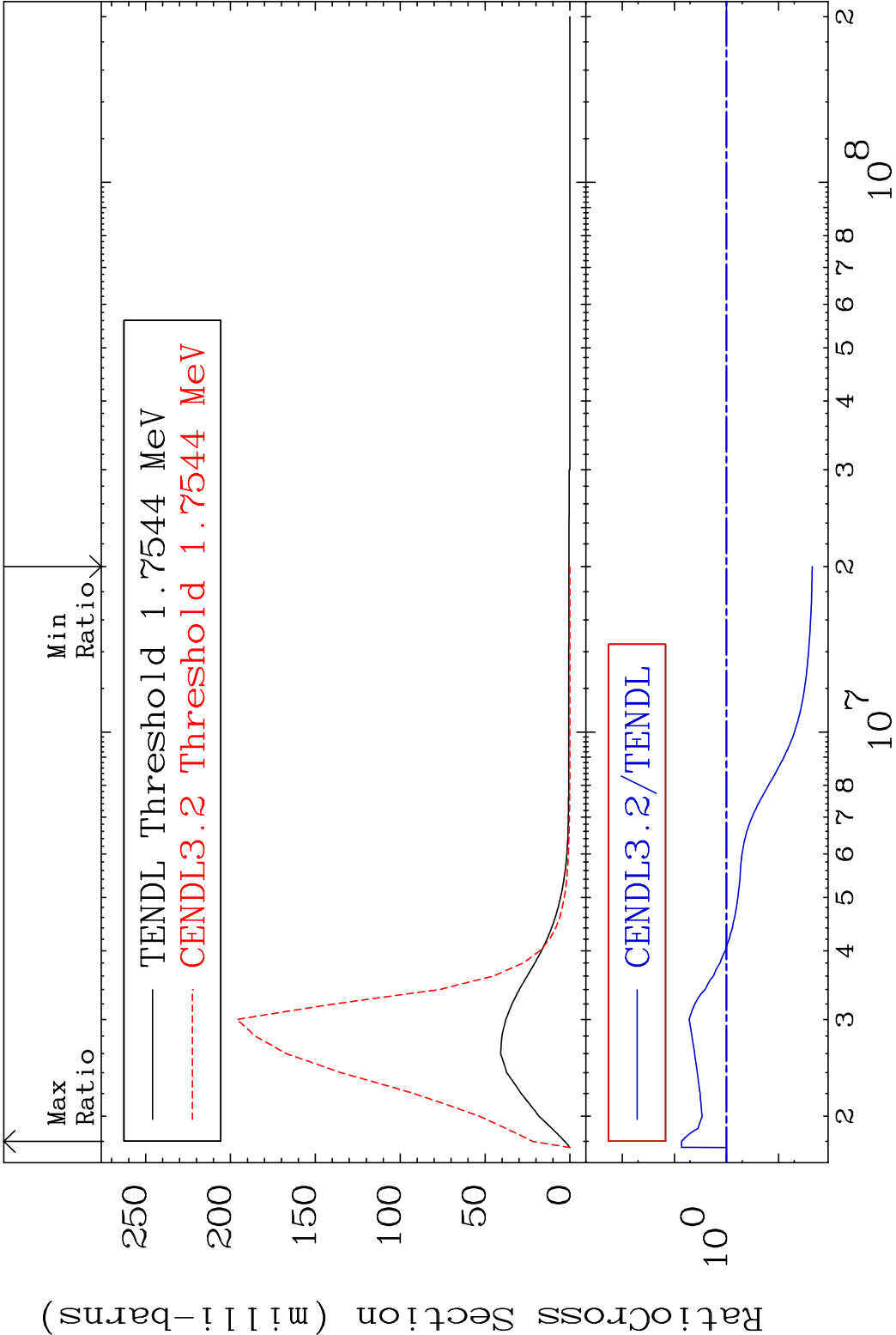
MAT 5843 MT= 53 (n,n') Level 58-Ce-142
Cross Section 4.940 To 2692. %



10 Incident Energy (eV) 58-Ce-142

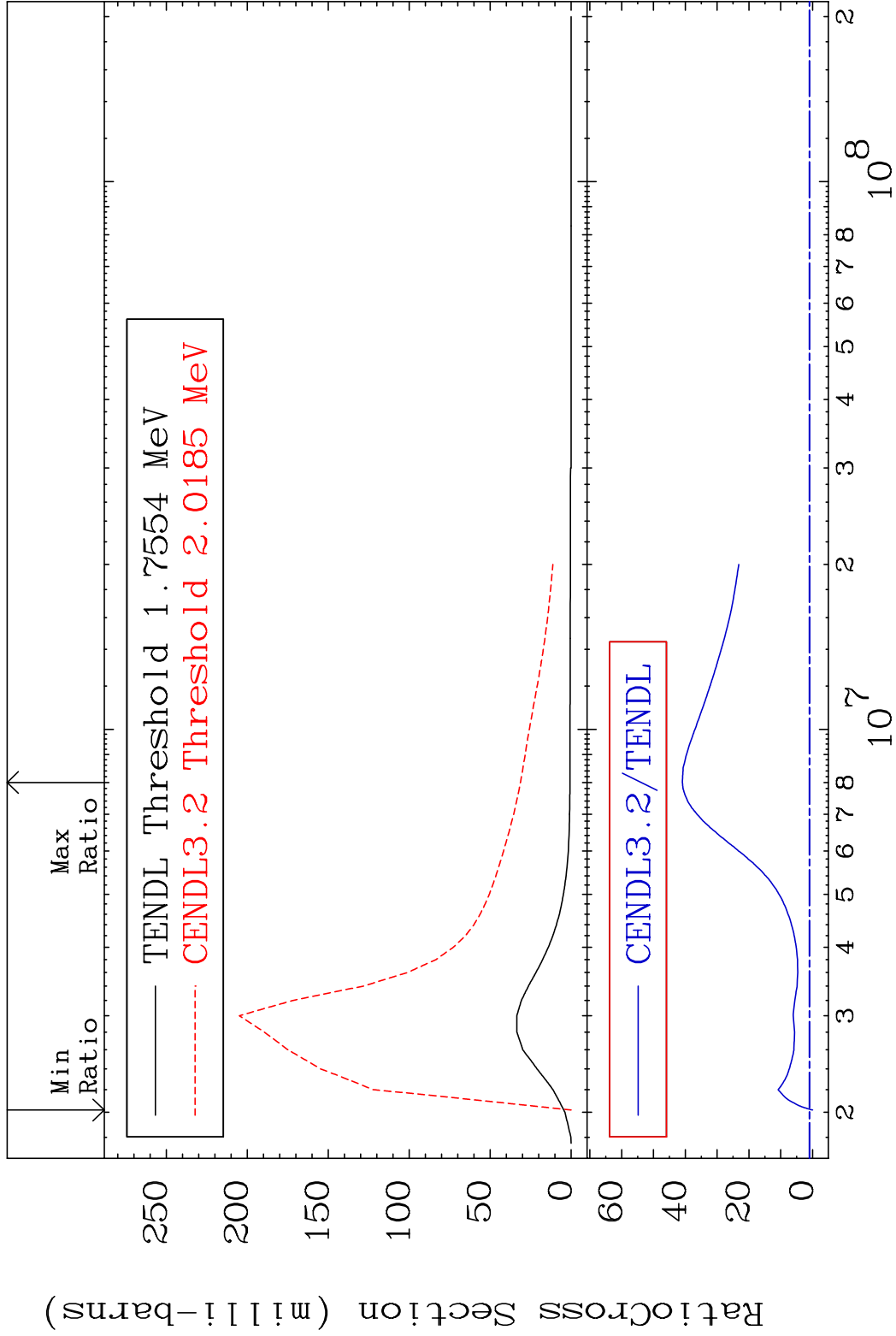


MAT 5843 MT= 55 (n,n') Level 58-Ce-142
Cross Section -97.74 To 630.1 %

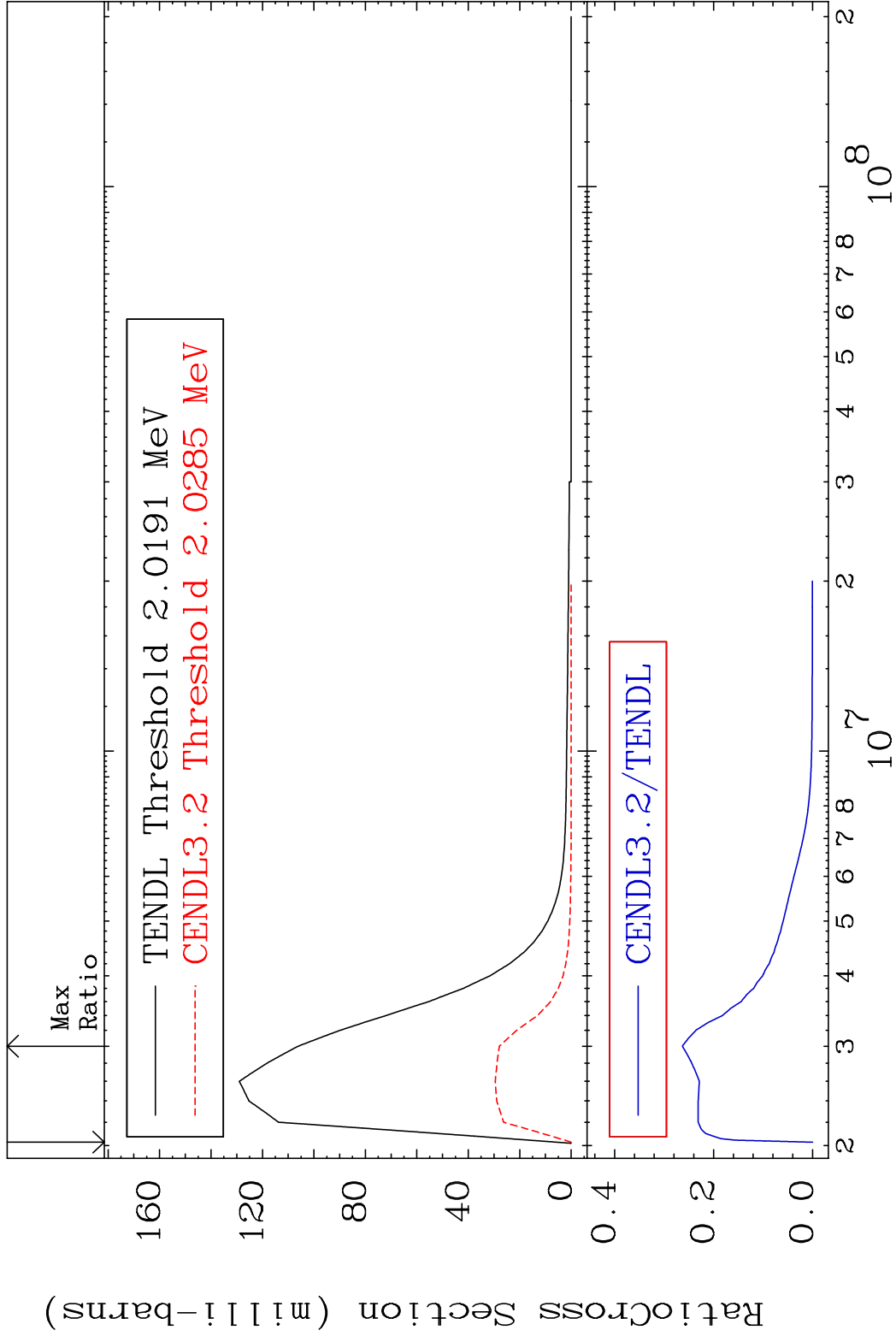


12 Incident Energy (eV) 58-Ce-142

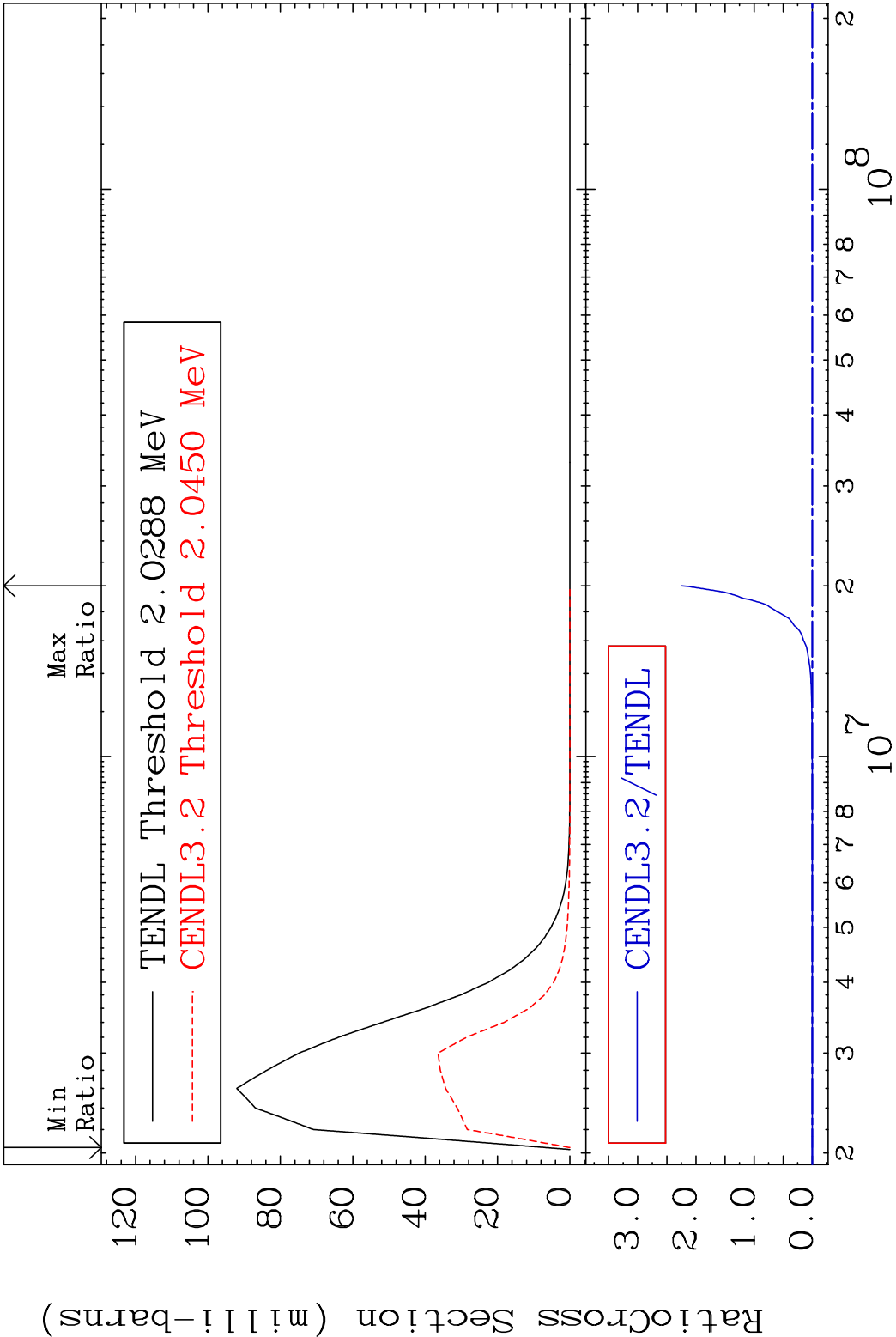
MAT 5843 MT= 56 (n,n') Level 58-Ce-142
Cross Section -100.0 To 3993. %

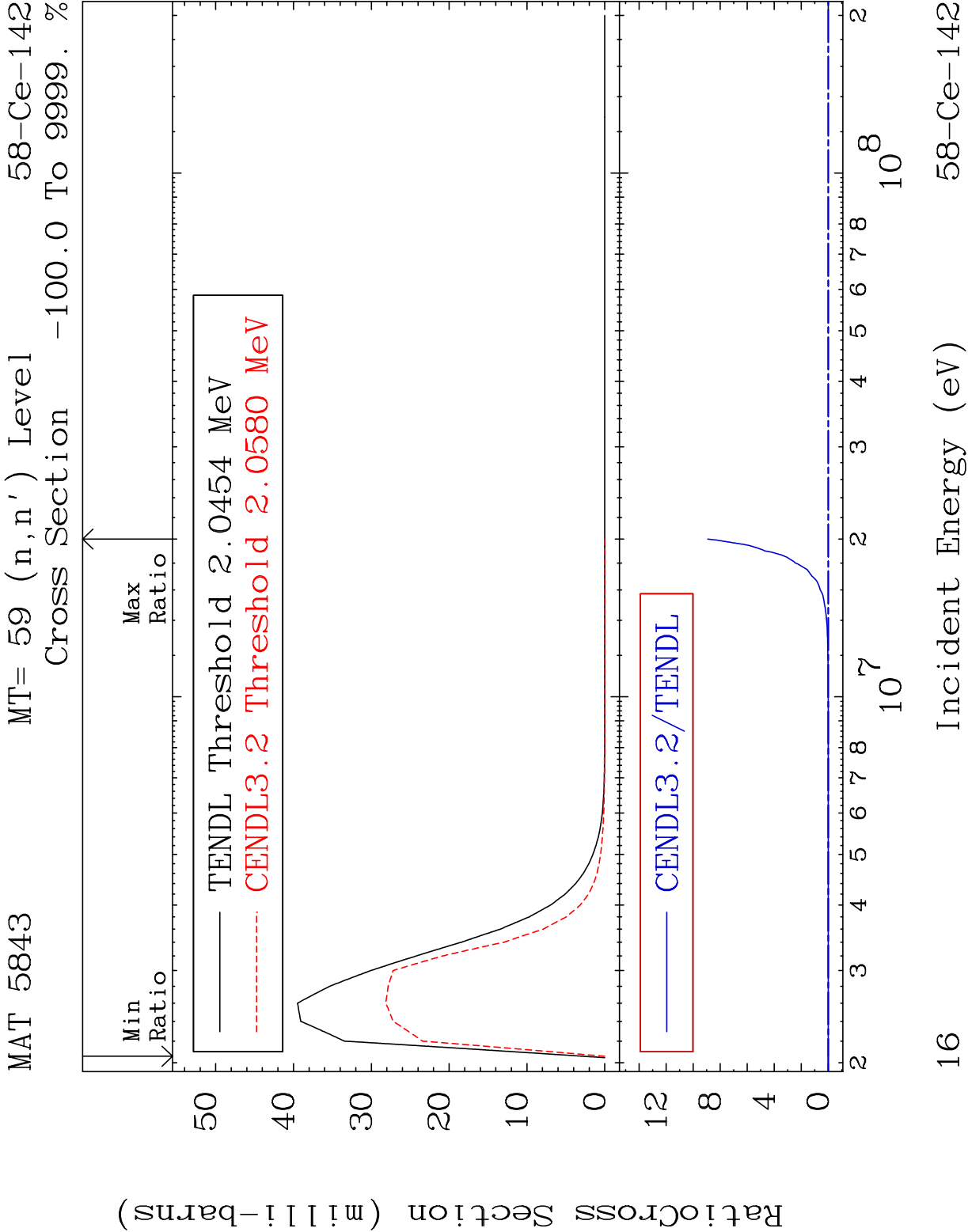


MAT 5843 MT= 57 (n,n') Level 58-Ce-142
Cross Section -100.0 To -73.69%

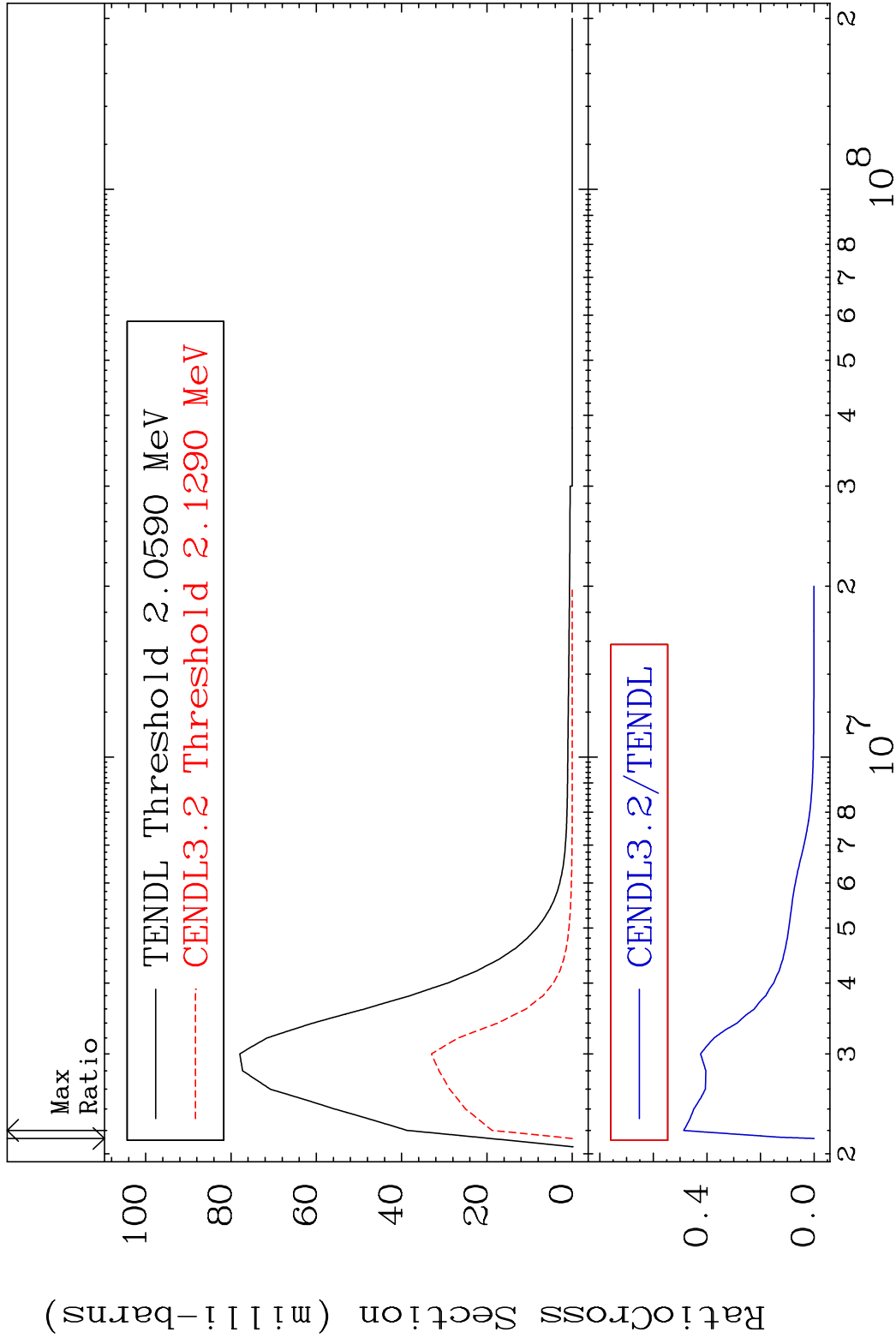


MAT 5843 MT= 58 (n,n') Level 58-Ce-142
 Cross Section -100.0 To 9999. %

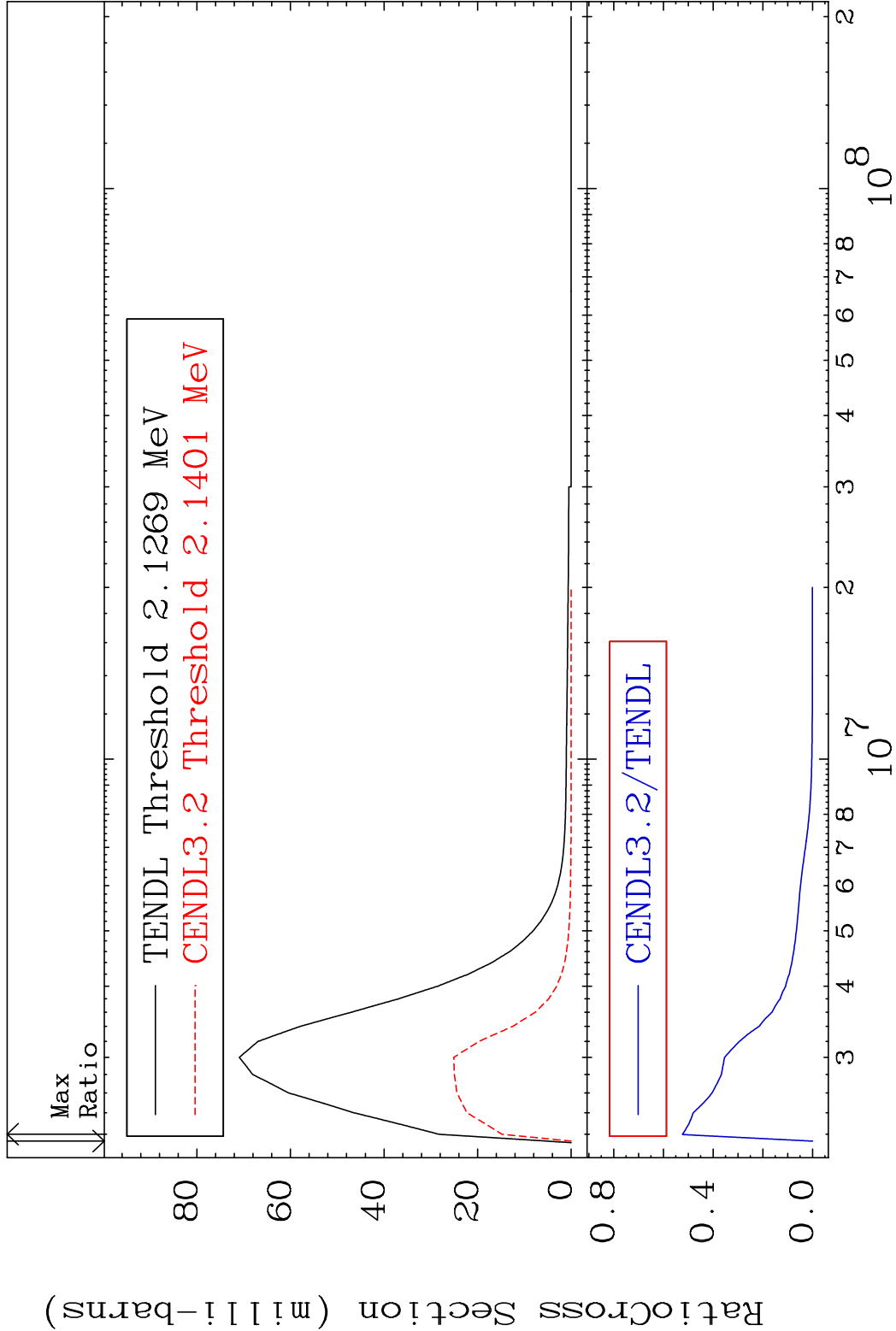




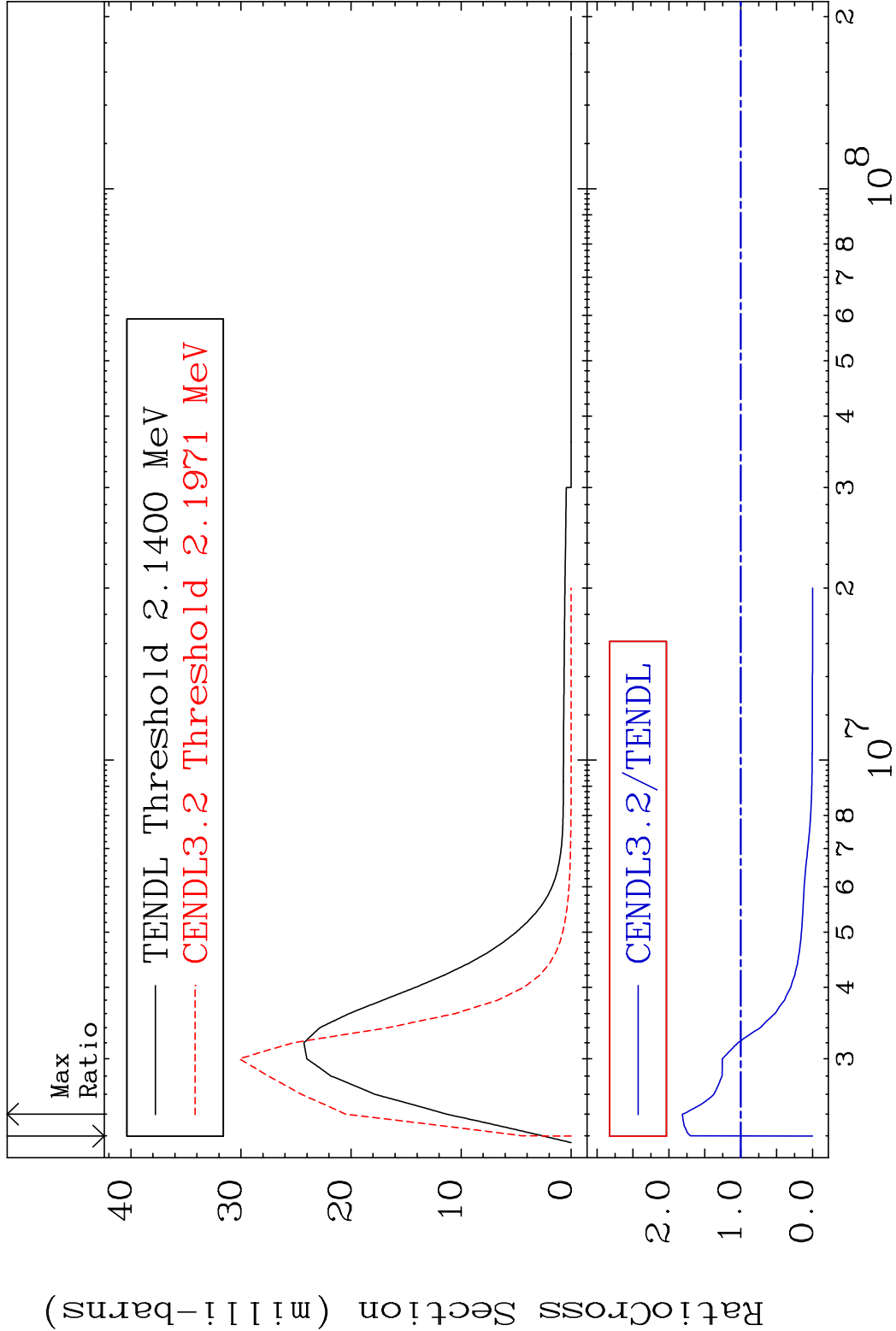
MAT 5843 MT= 60 (n,n') Level 58-Ce-142
Cross Section -100.0 To -51.32%



MAT 5843 MT= 61 (n,n') Level 58-Ce-142
Cross Section -100.0 To -47.63%



MAT 5843 MT= 62 (n,n') Level 58-Ce-142
Cross Section -100.0 To 81.26 %

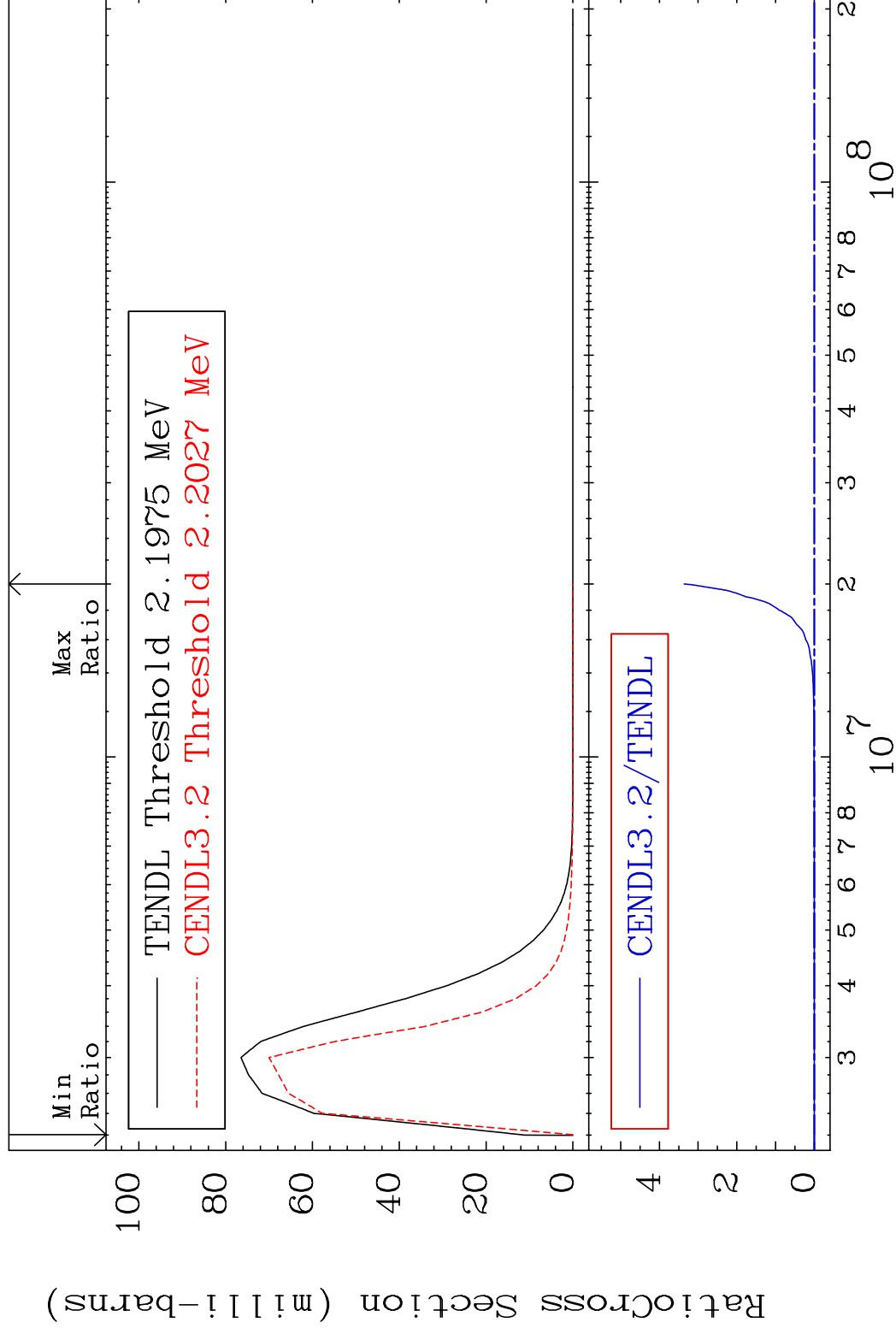


MAT 5843

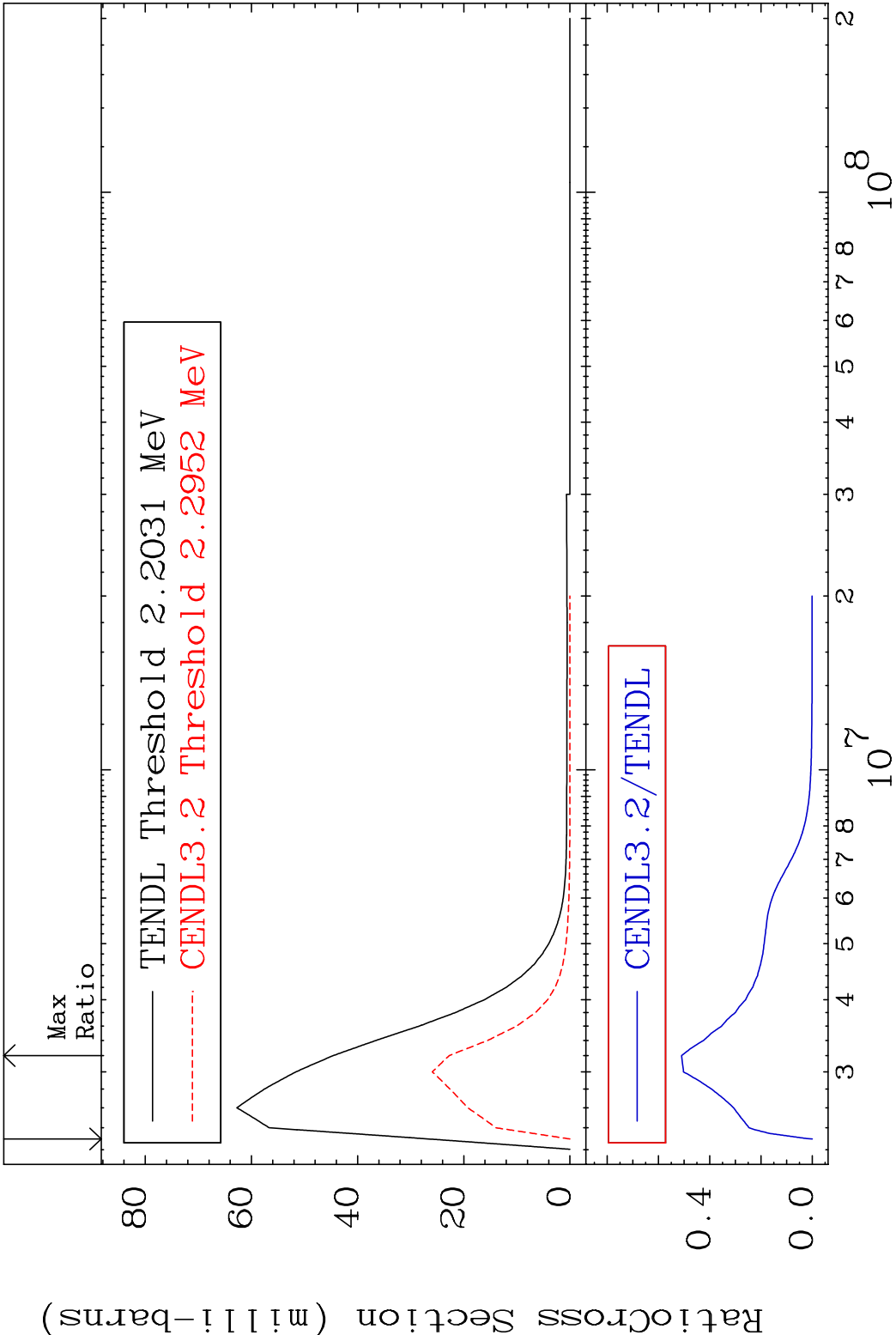
MT= 63 (n, n') Level

58-Ce-142

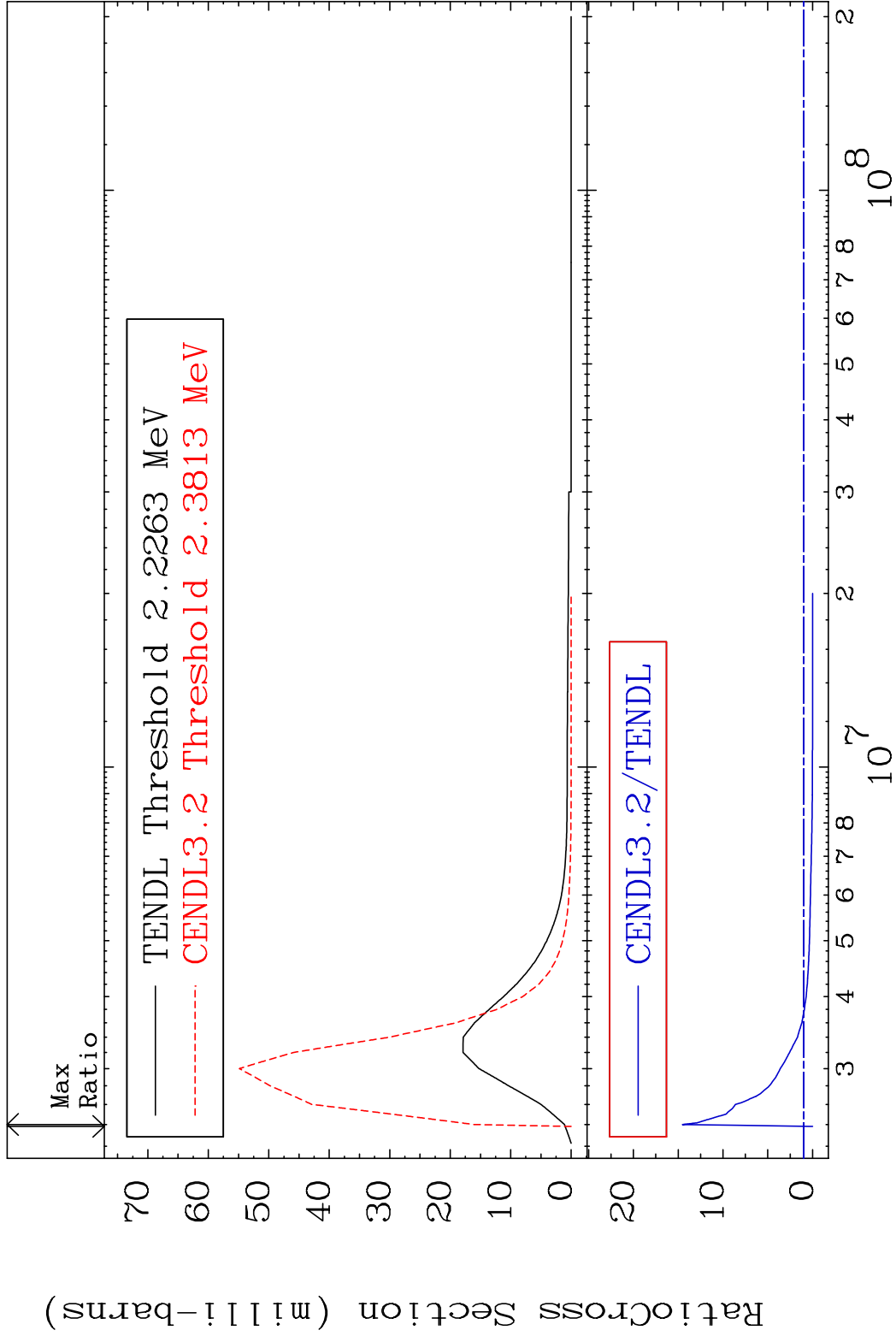
Cross Section -100.0 To 9999. %



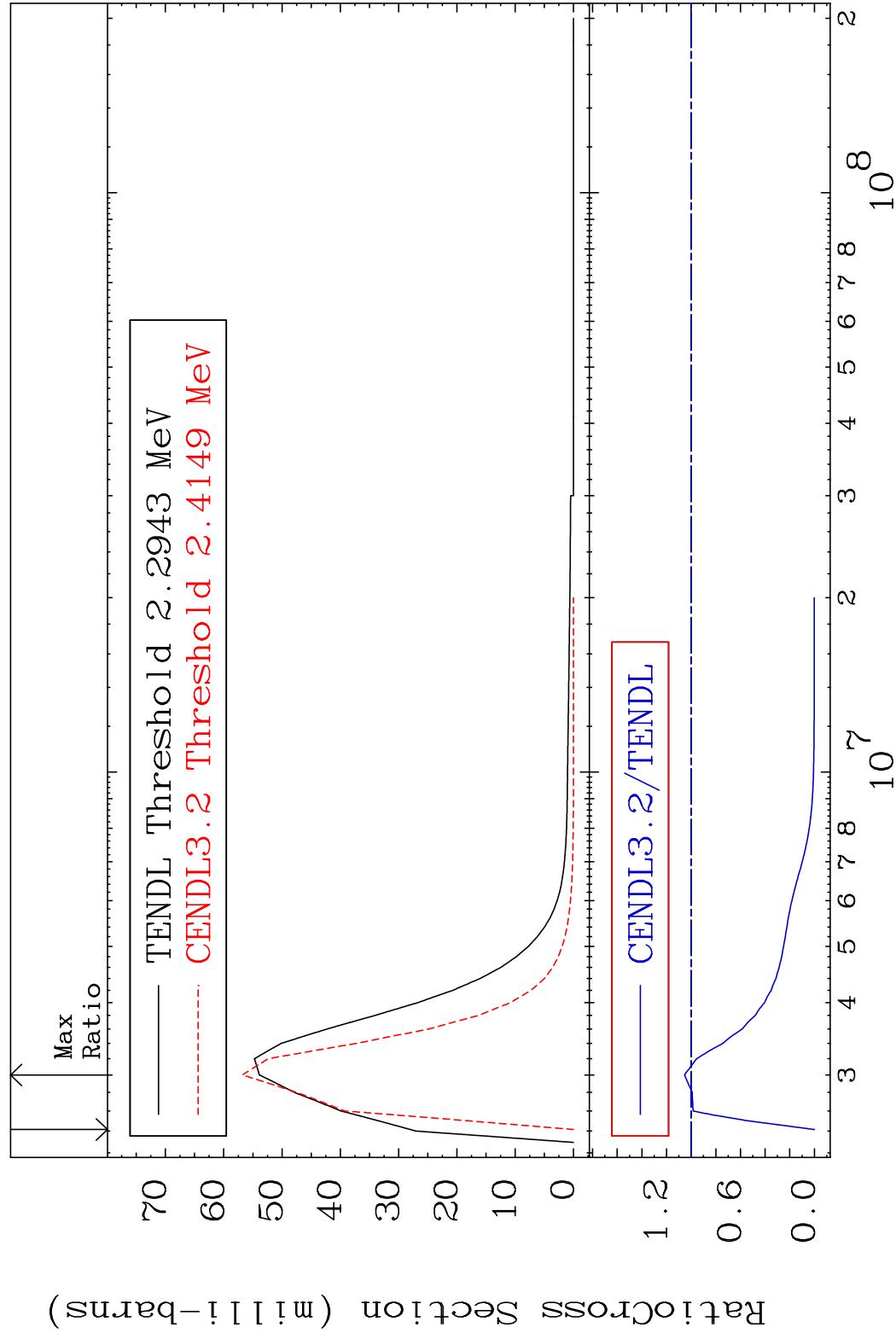
MAT 5843	MT= 64 (n,n')	Level	58-Ce-142
	Cross Section	-100.0 To -49.03%	

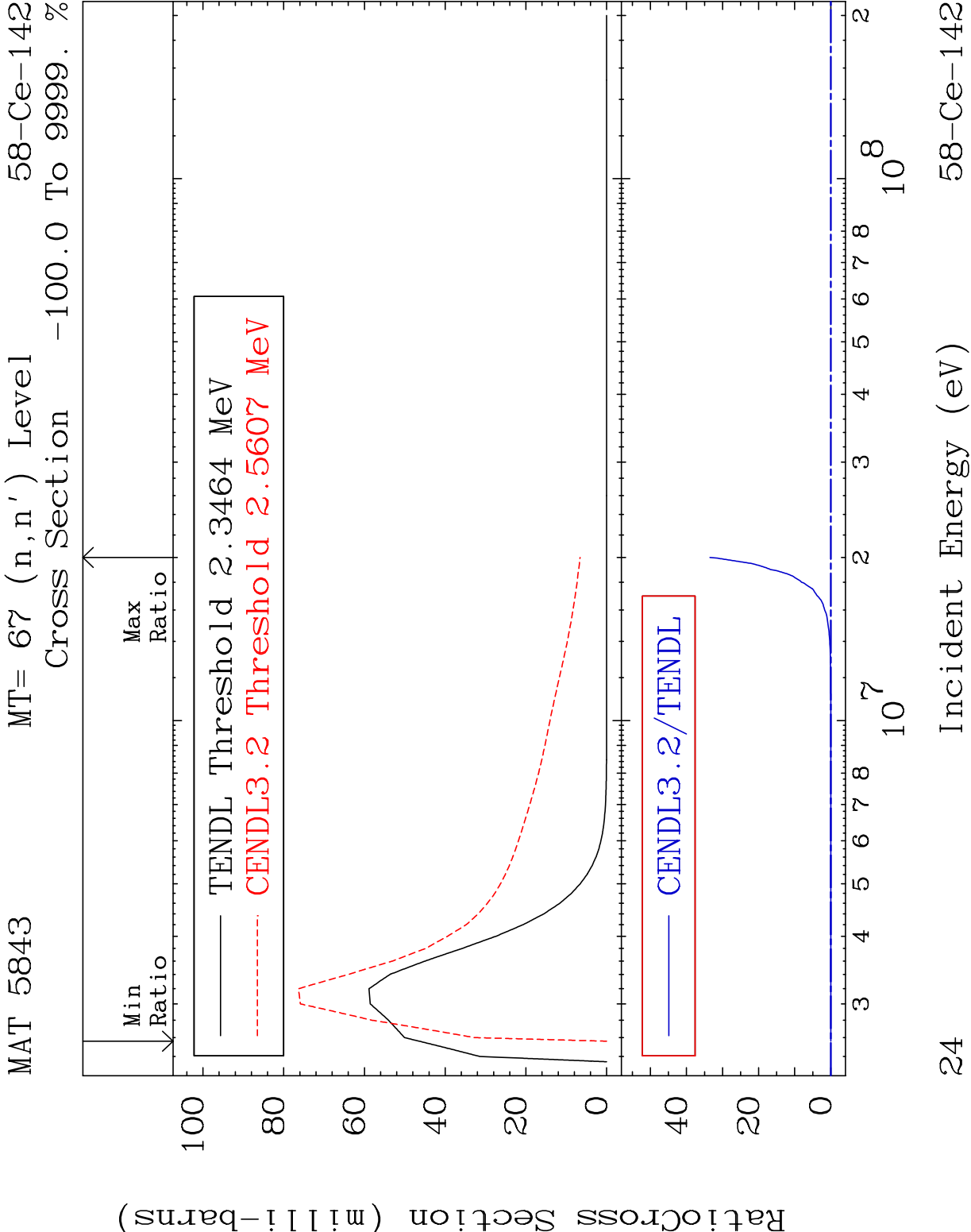


MAT 5843 MT= 65 (n,n') Level 58-Ce-142
Cross Section -100.0 To 1354. %

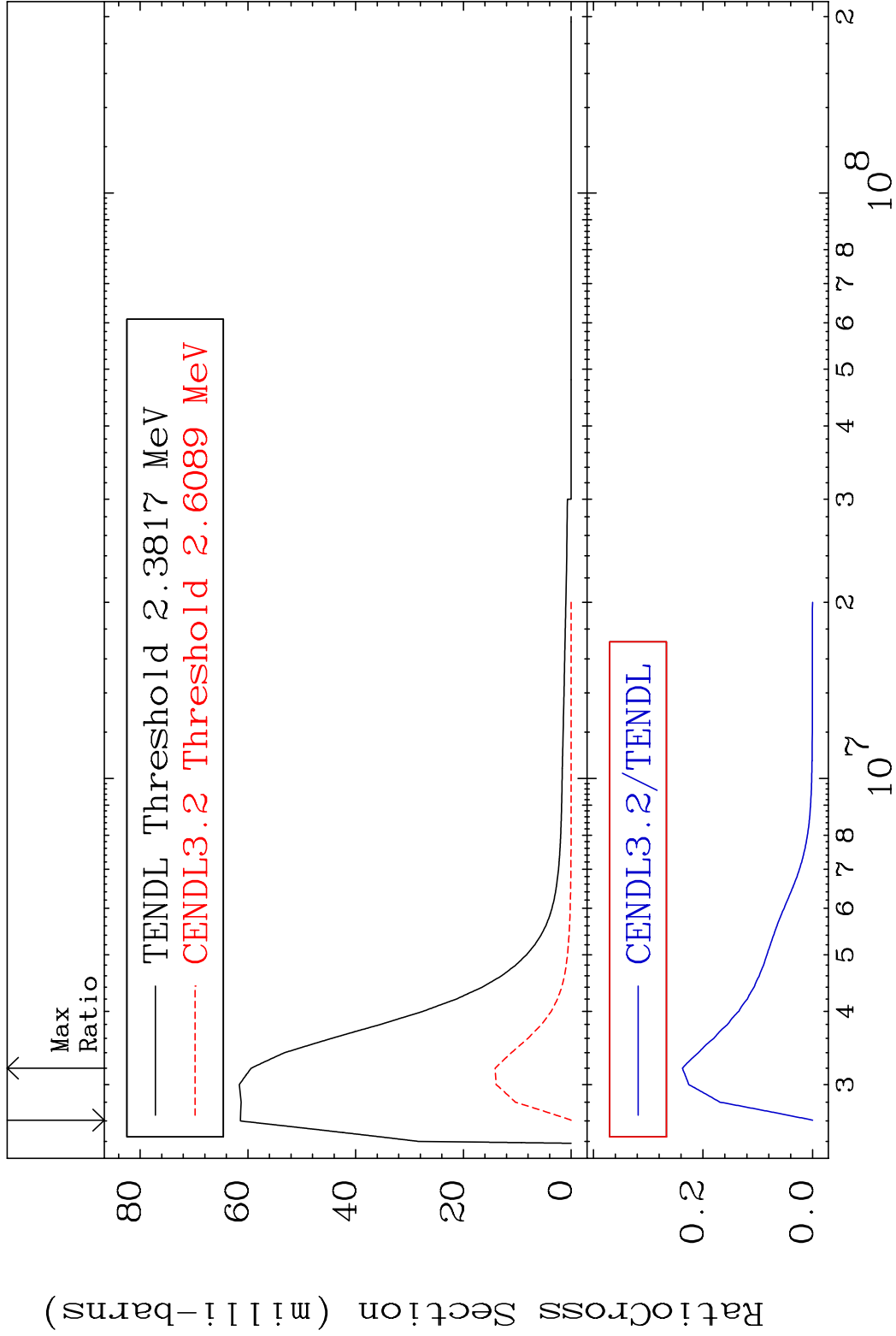


MAT 5843 MT= 66 (n,n') Level 58-Ce-142
Cross Section -100.0 To 5.439 %





MAT 5843 MT= 68 (n,n') Level 58-Ce-142
Cross Section -100.0 To -76.23%



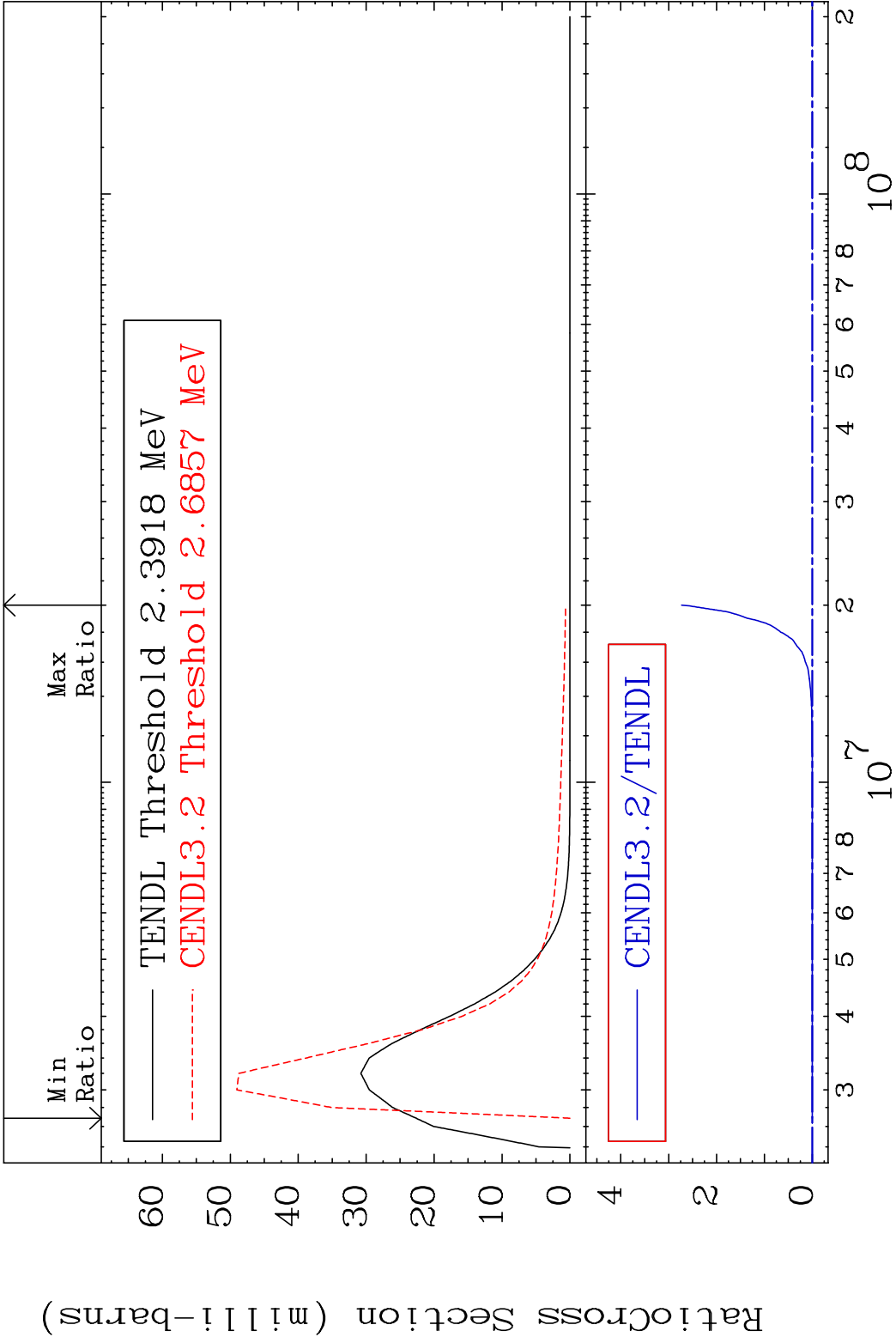
MAT 5843

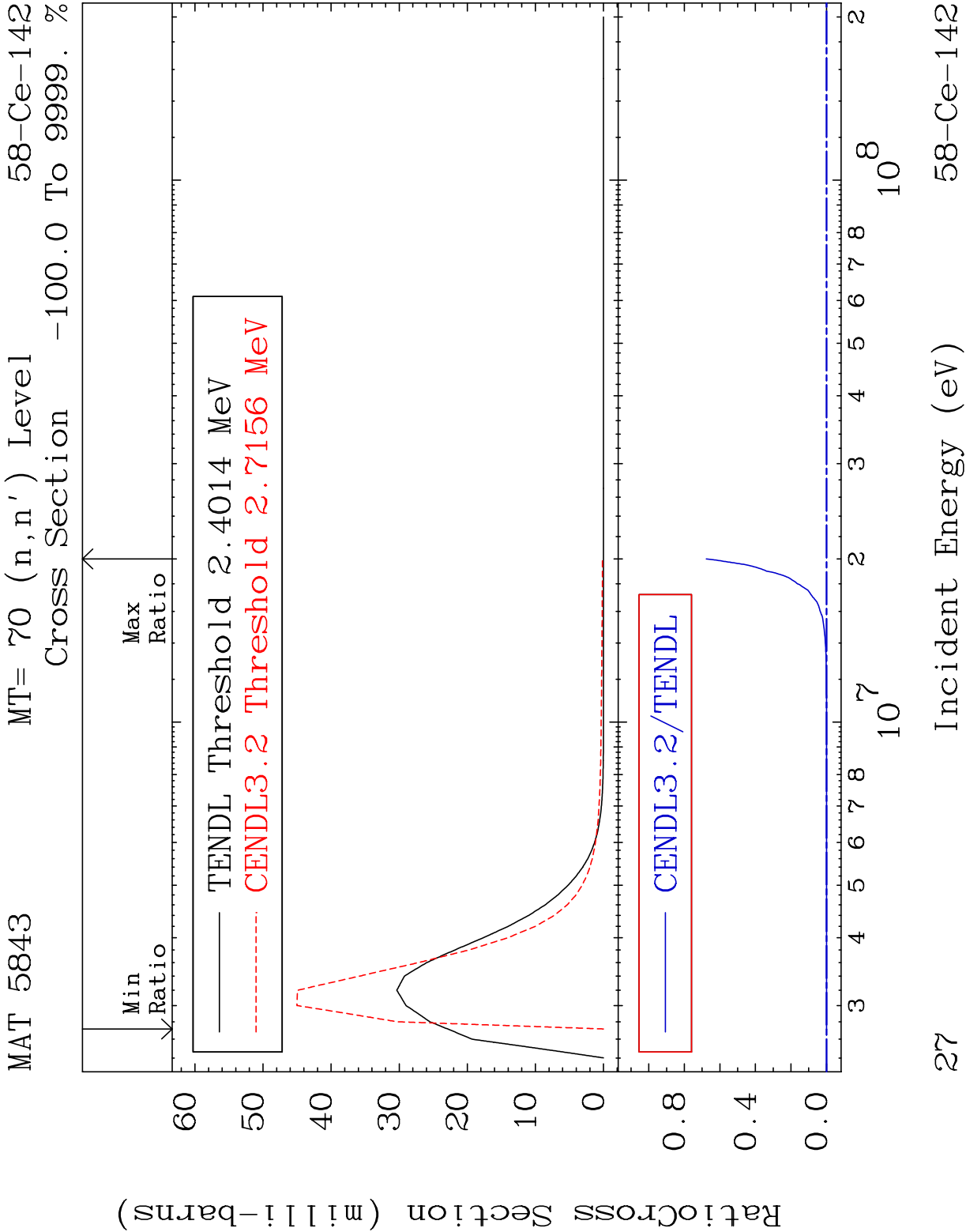
MT= 69 (n,n') Level

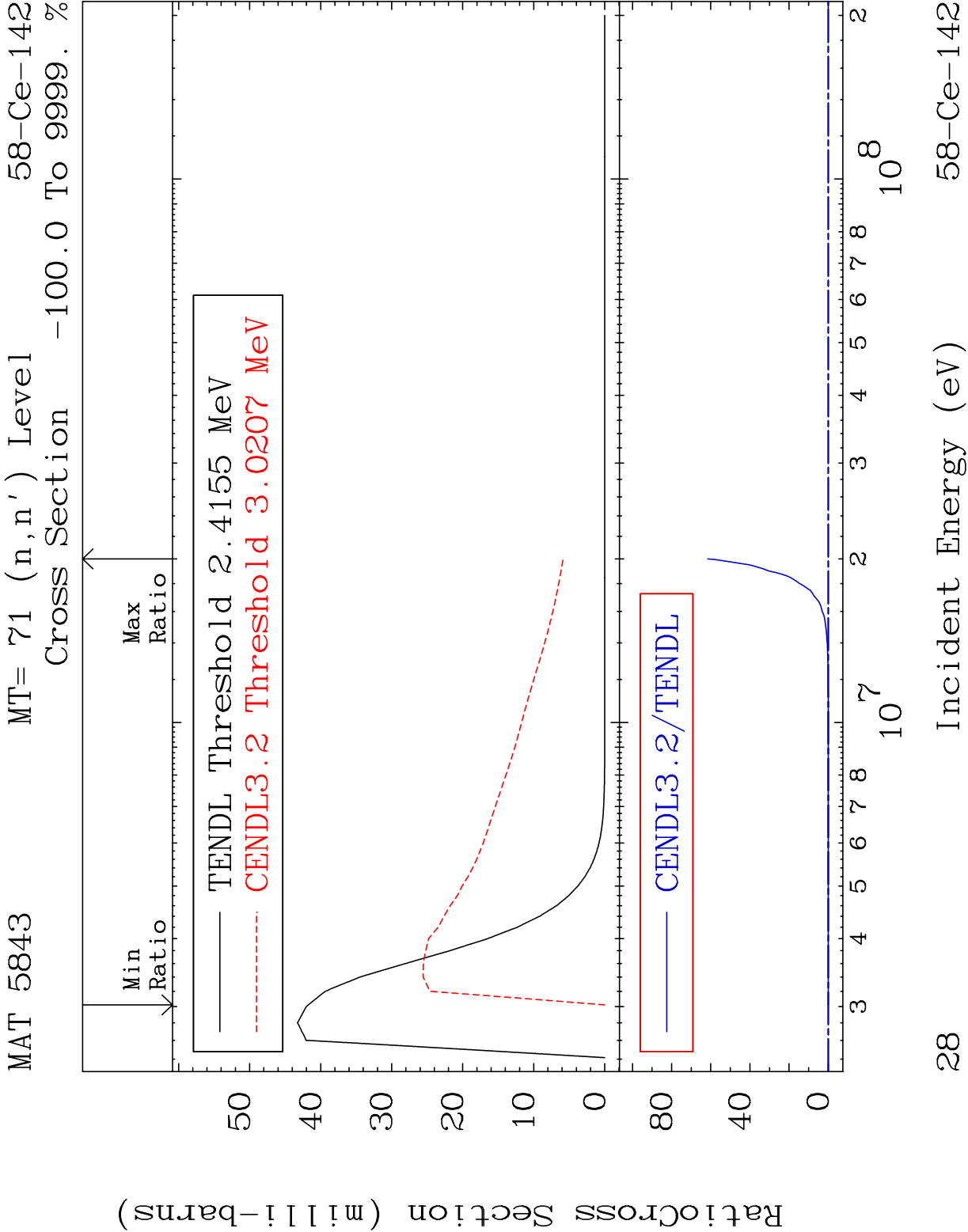
58-Ce-142

Cross Section

-100.0 To 9999. %







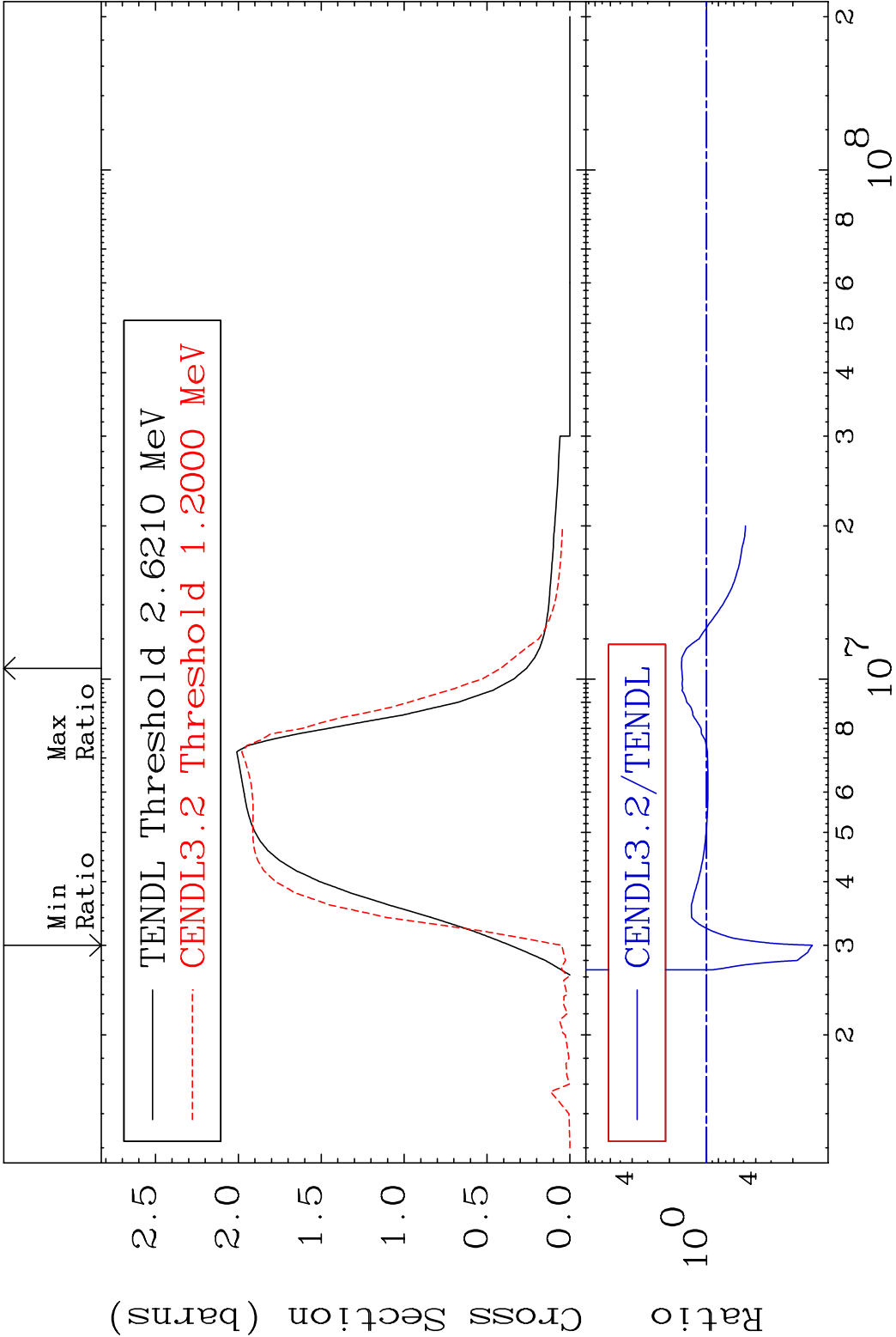
MAT 5843

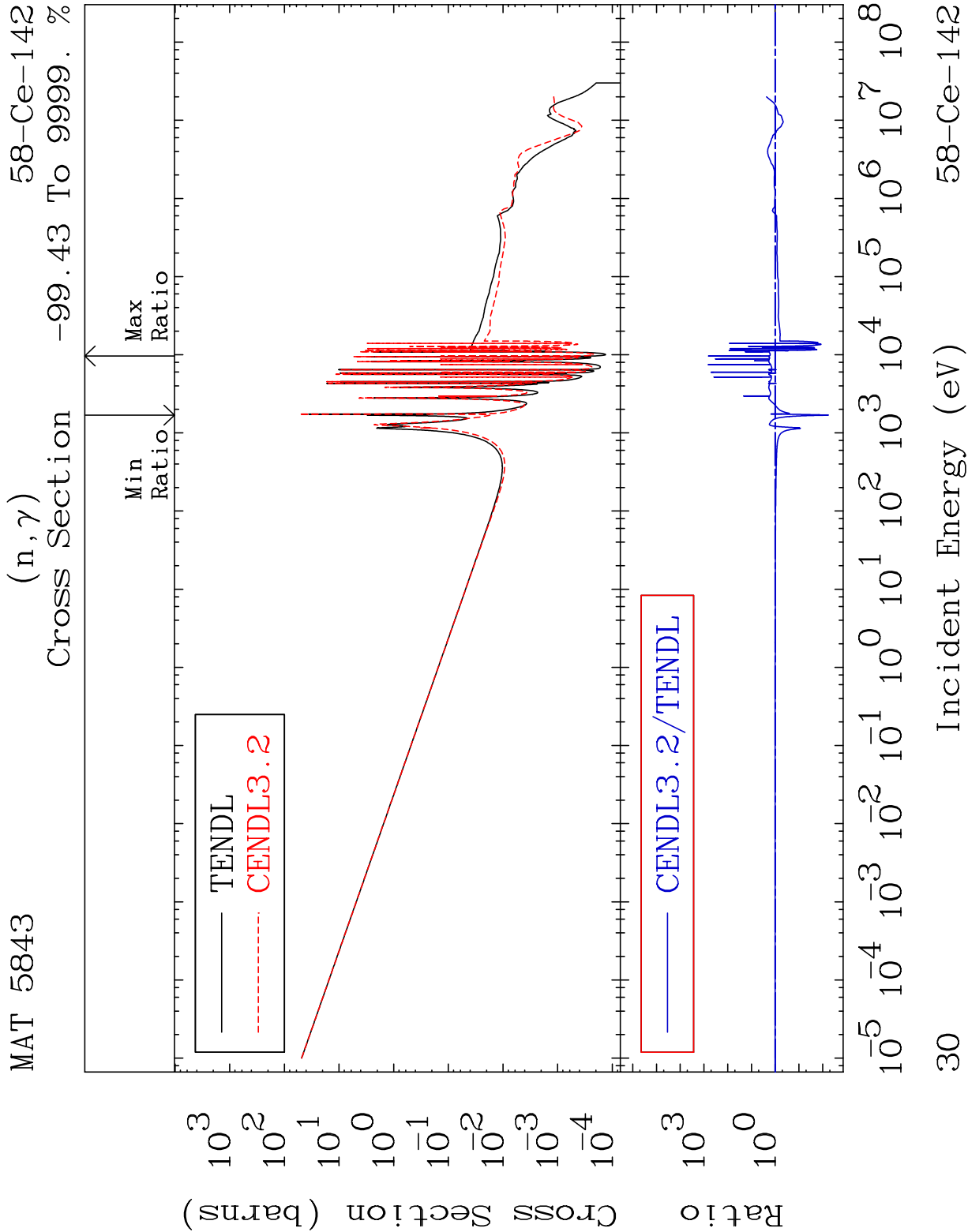
(n,n') Continuum

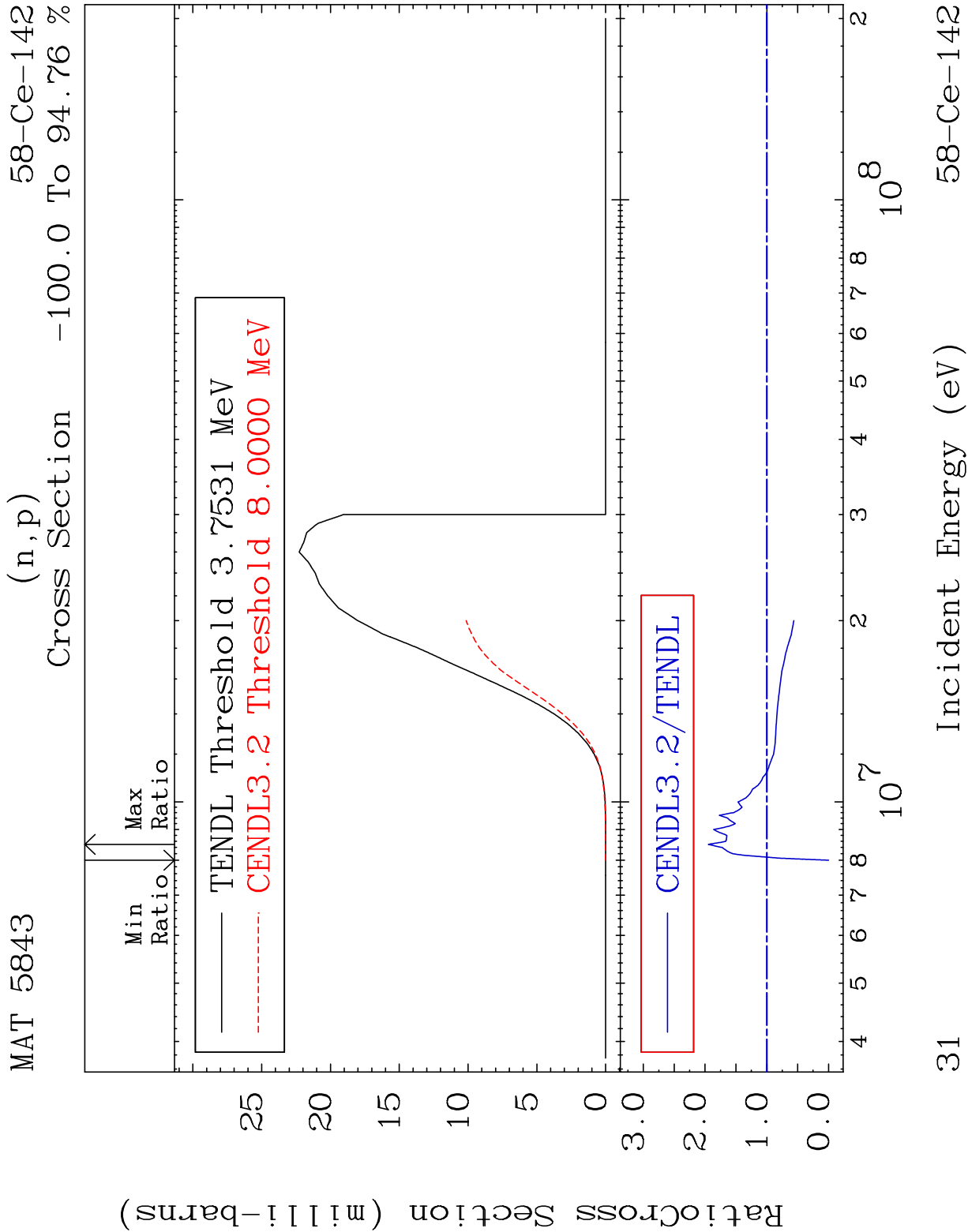
58-Ce-142

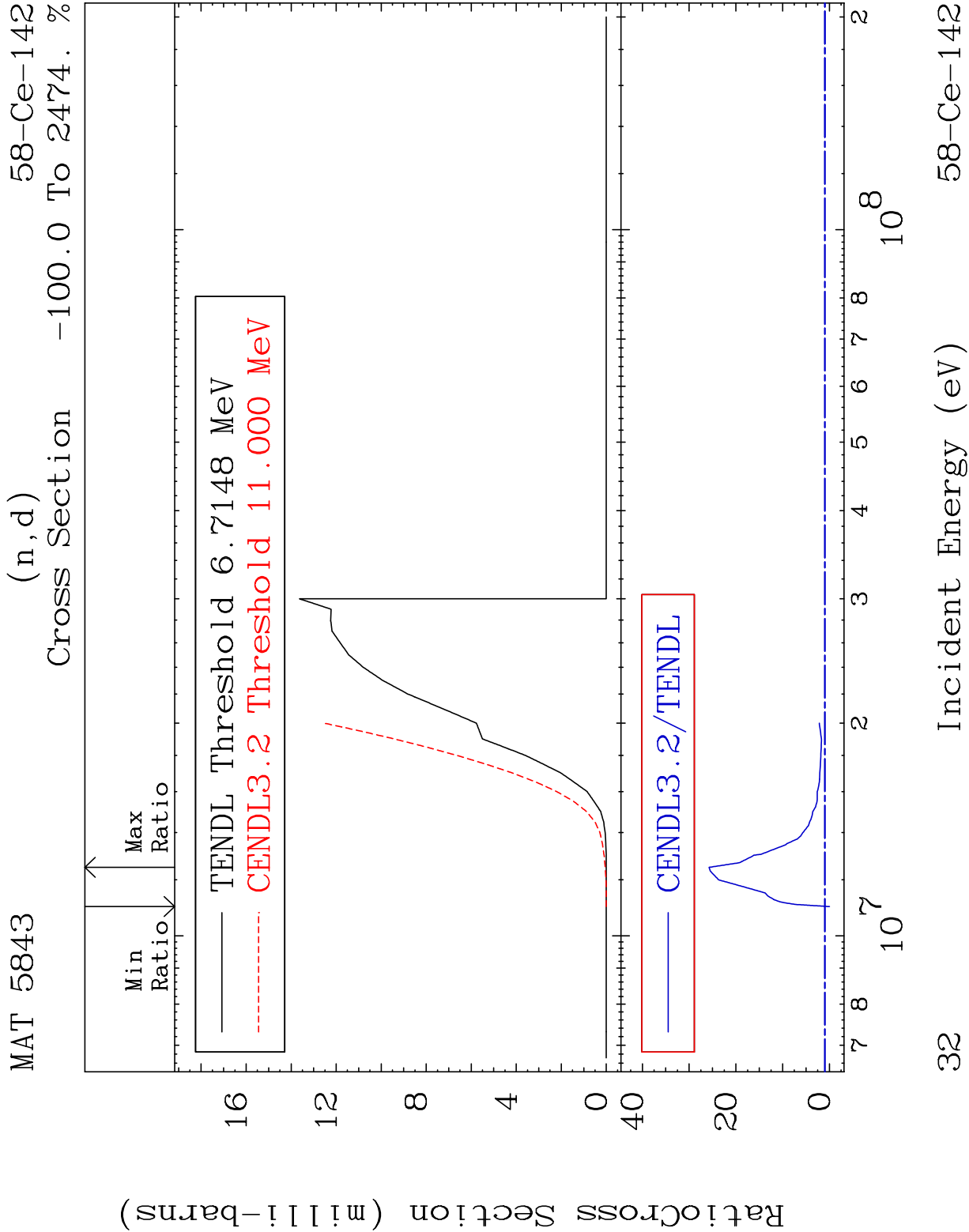
Cross Section

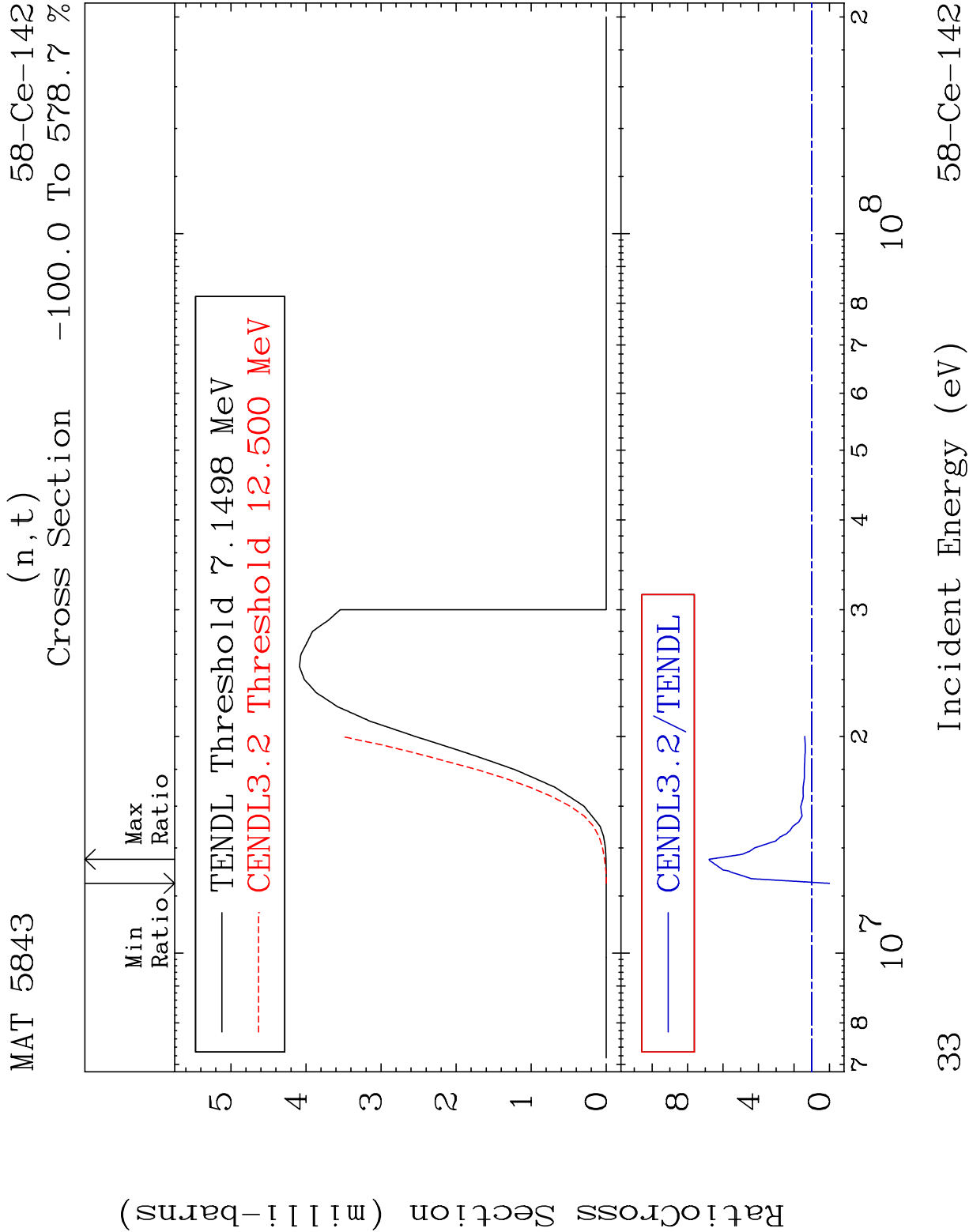
-86.08 To 59.36 %









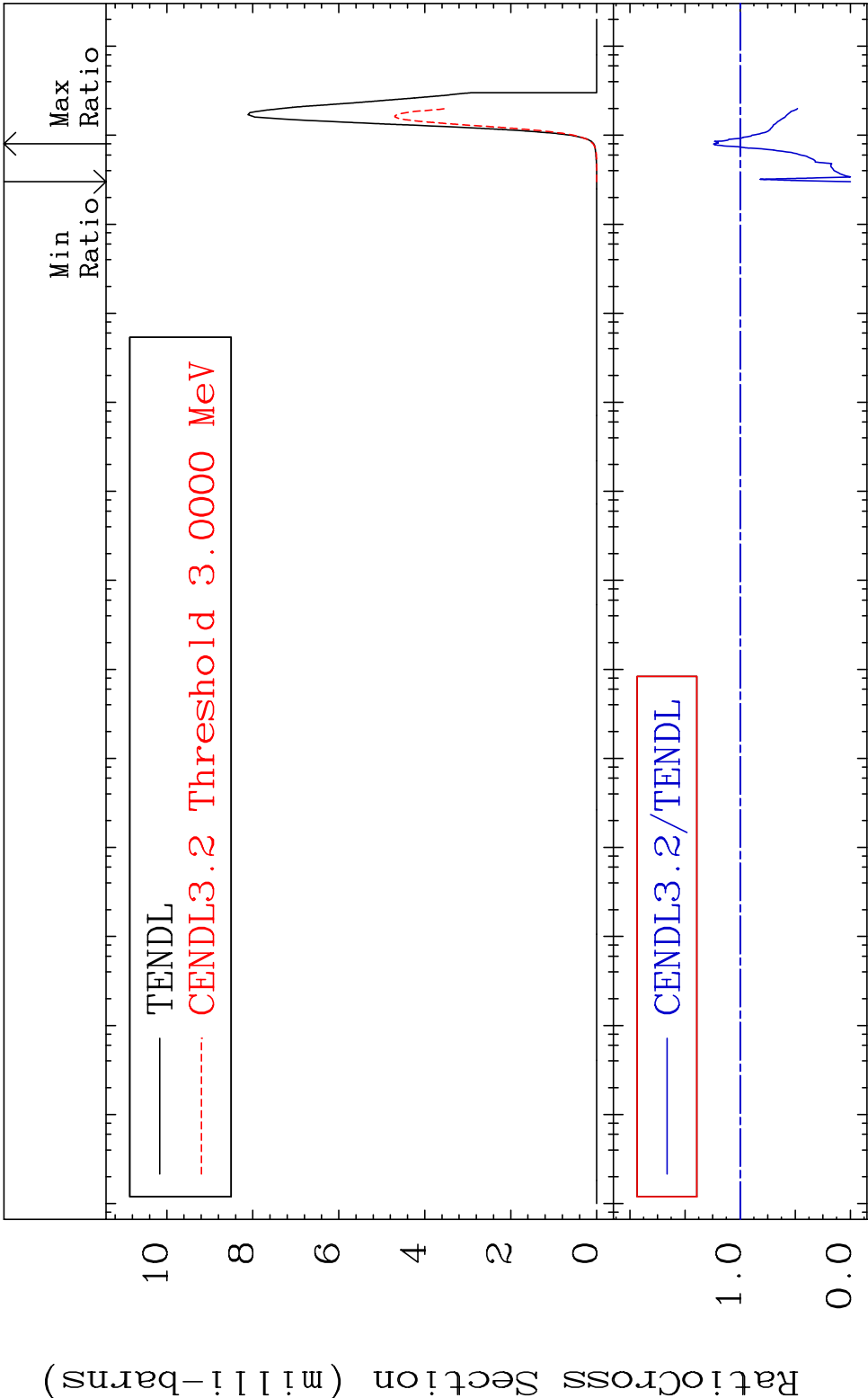


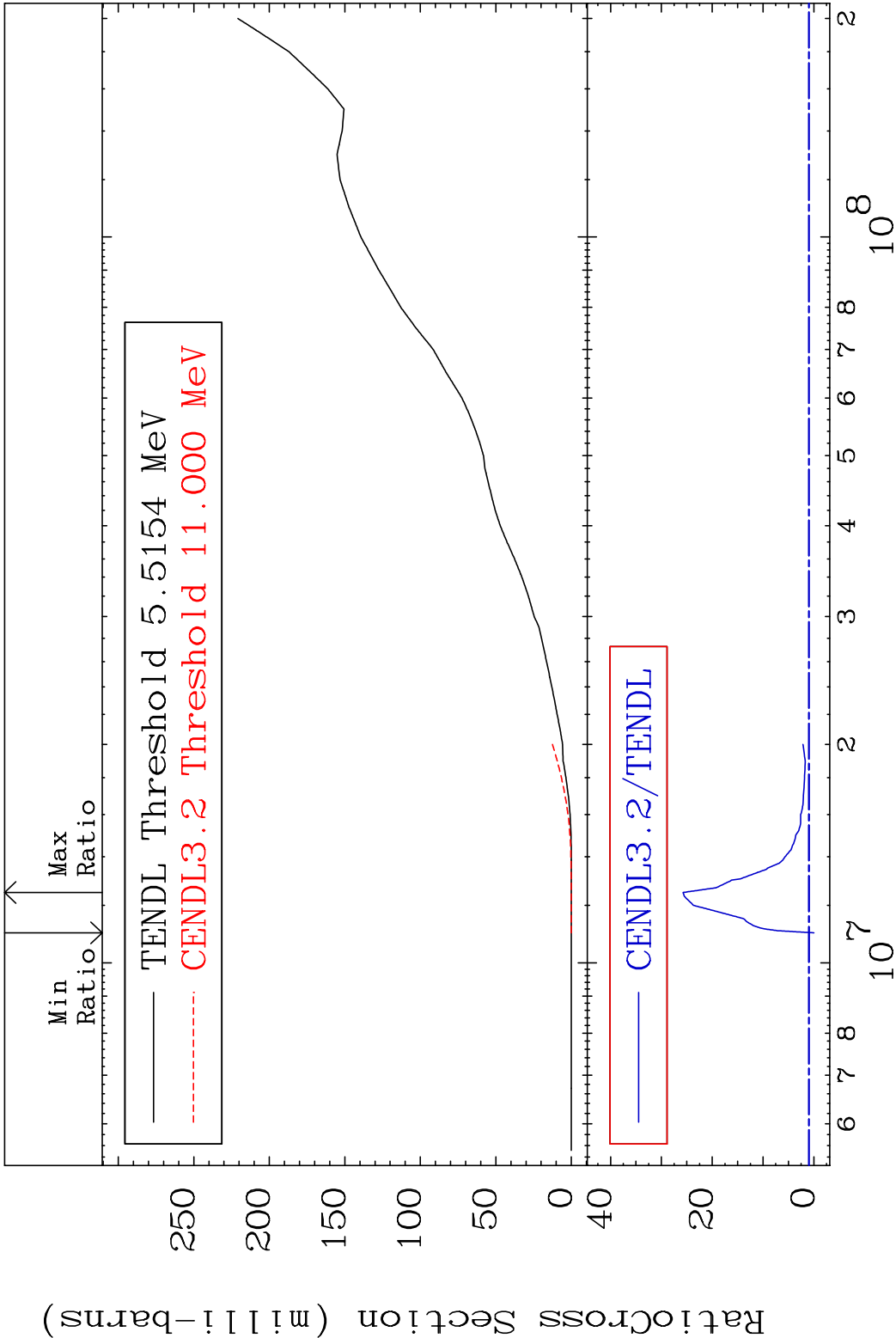
MAT 5843

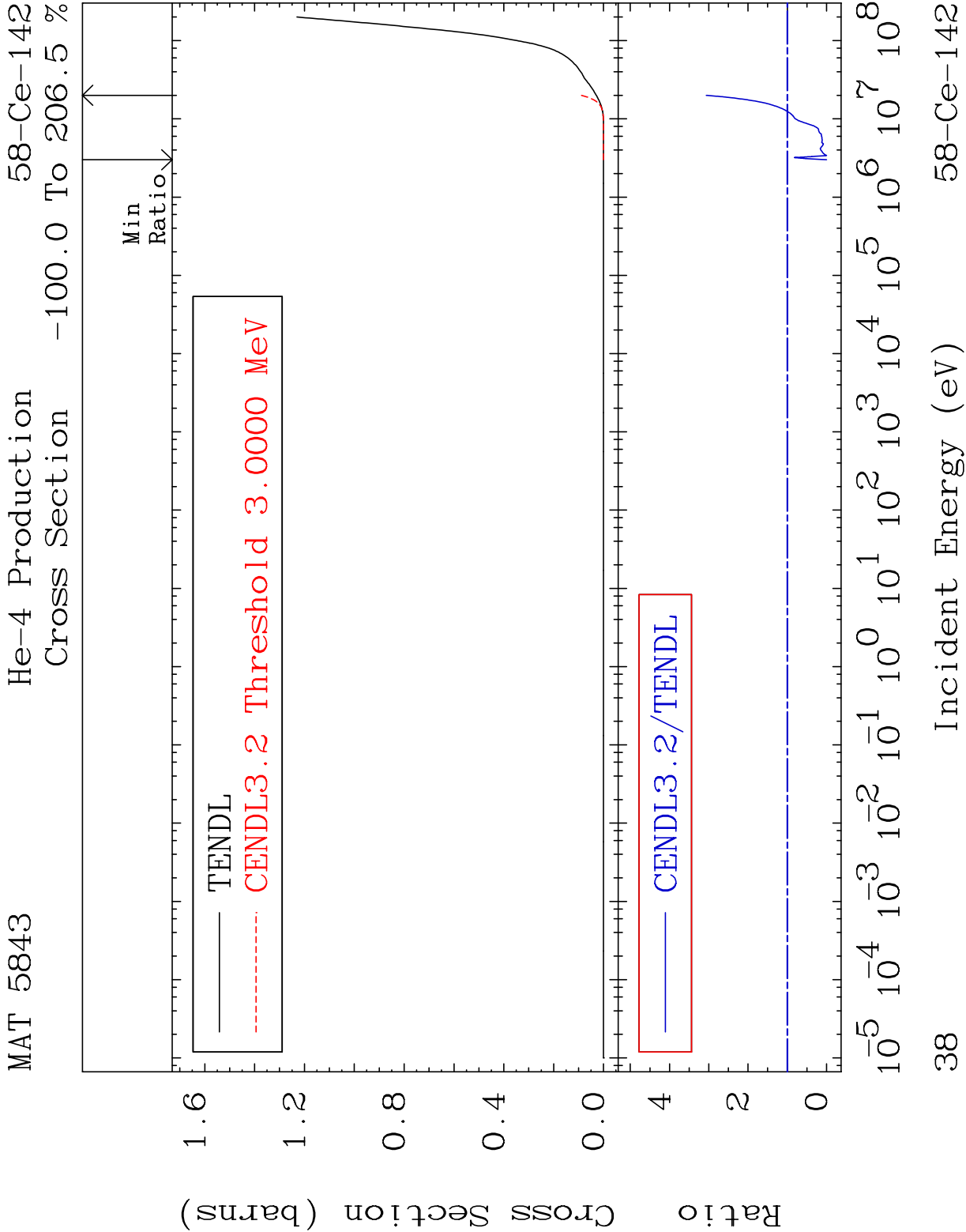
(n, α)

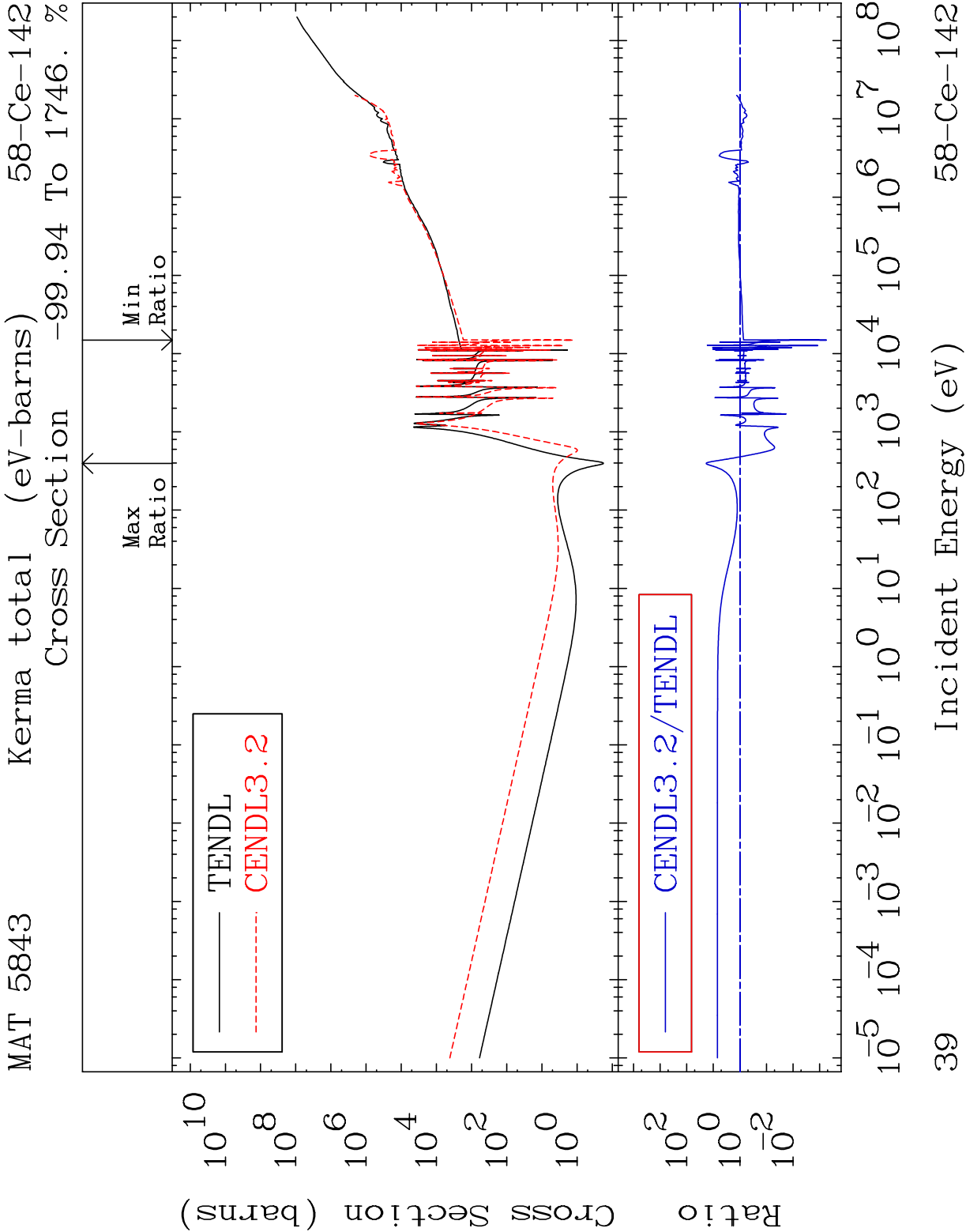
58-Ce-142

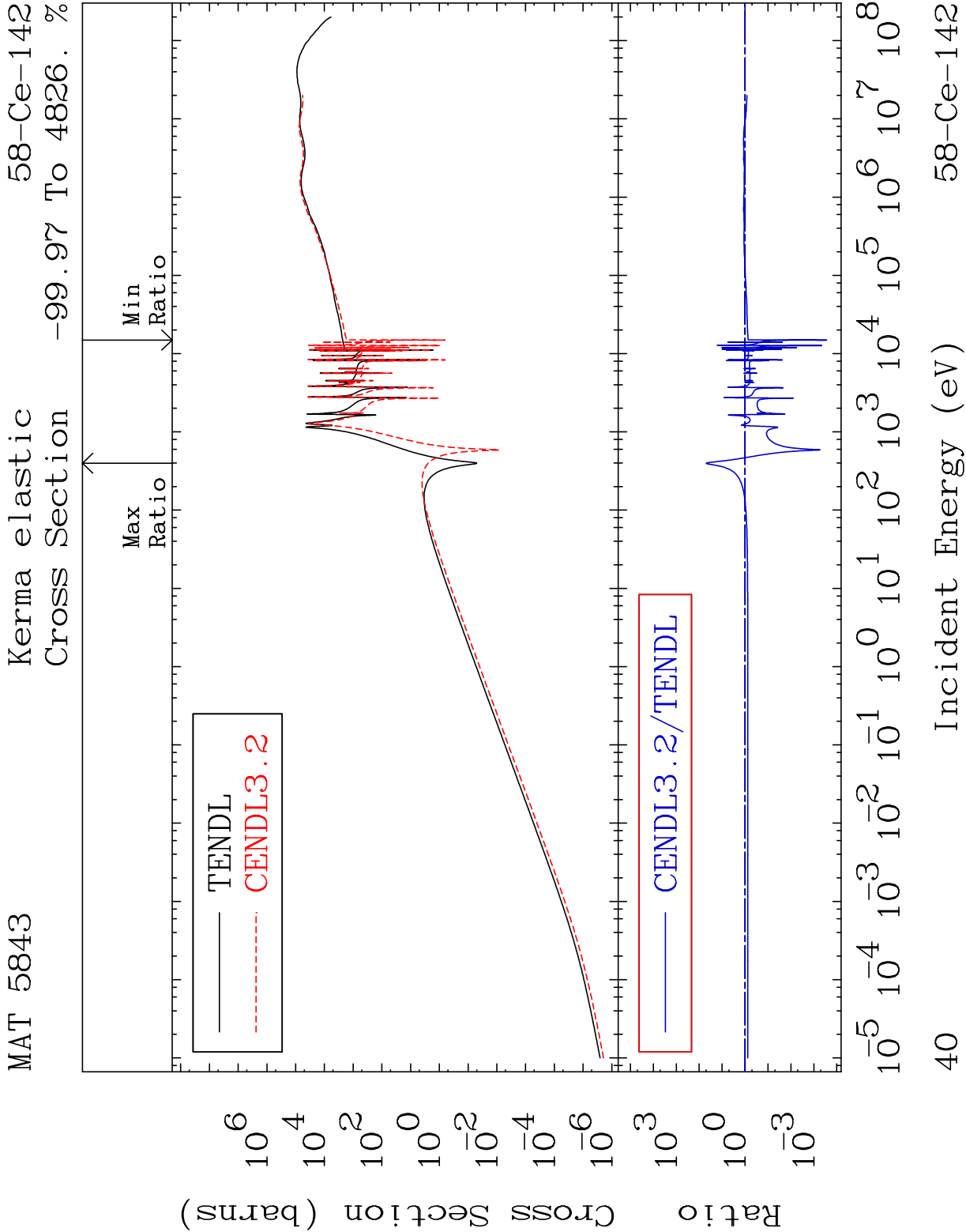
Cross Section -100.0 To 24.09 %



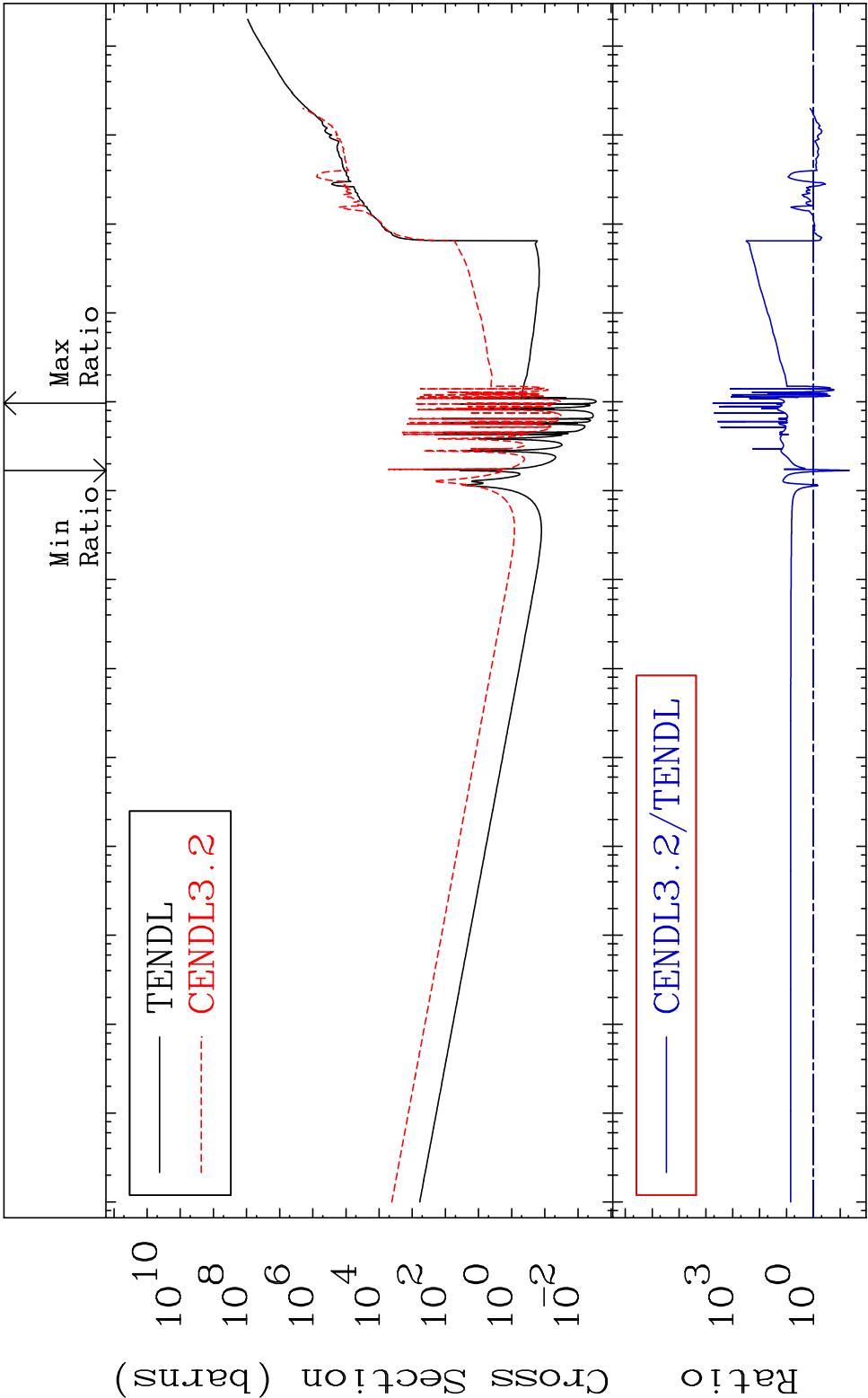




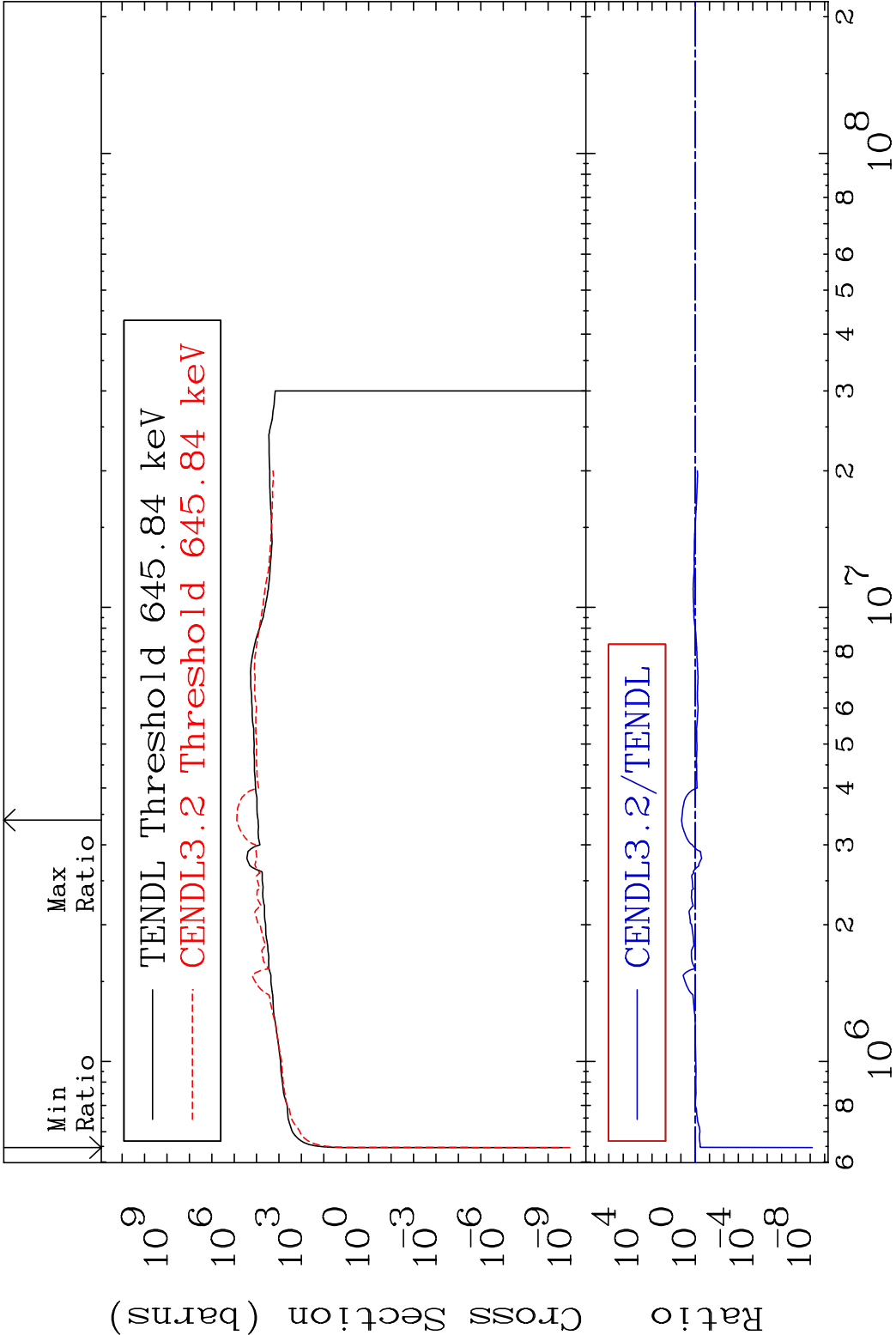




MAT 5843 Kerma non-elastic (all but mt2) 58-Ce-142
Cross Section -95.47 To 9999. %

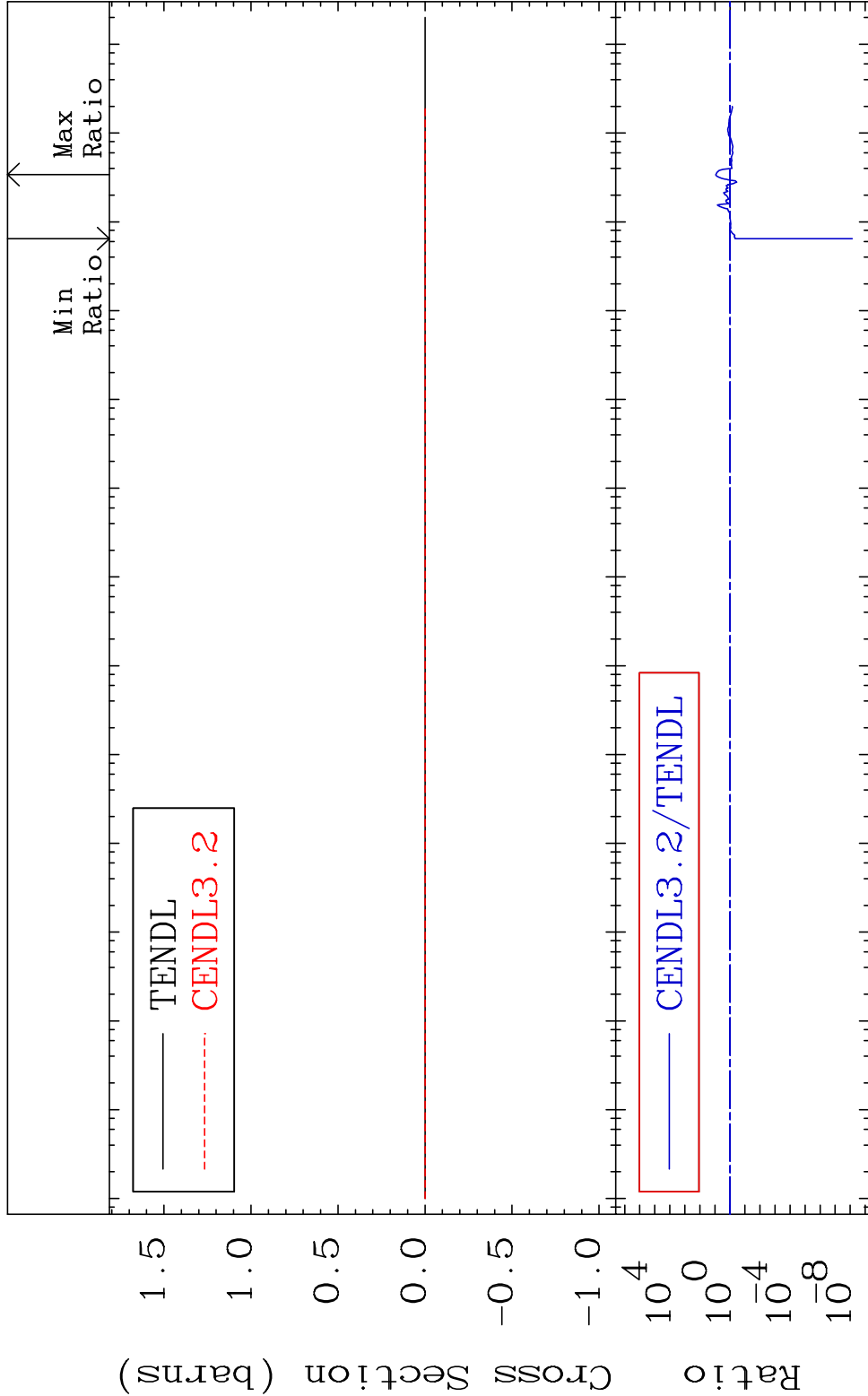


41 Incident Energy (eV) 58-Ce-142



MAT 5843Kerma fission (mt18 or mt19-20-21-38)58-Ce-142

Cross Section -100.0 To 790.0 %



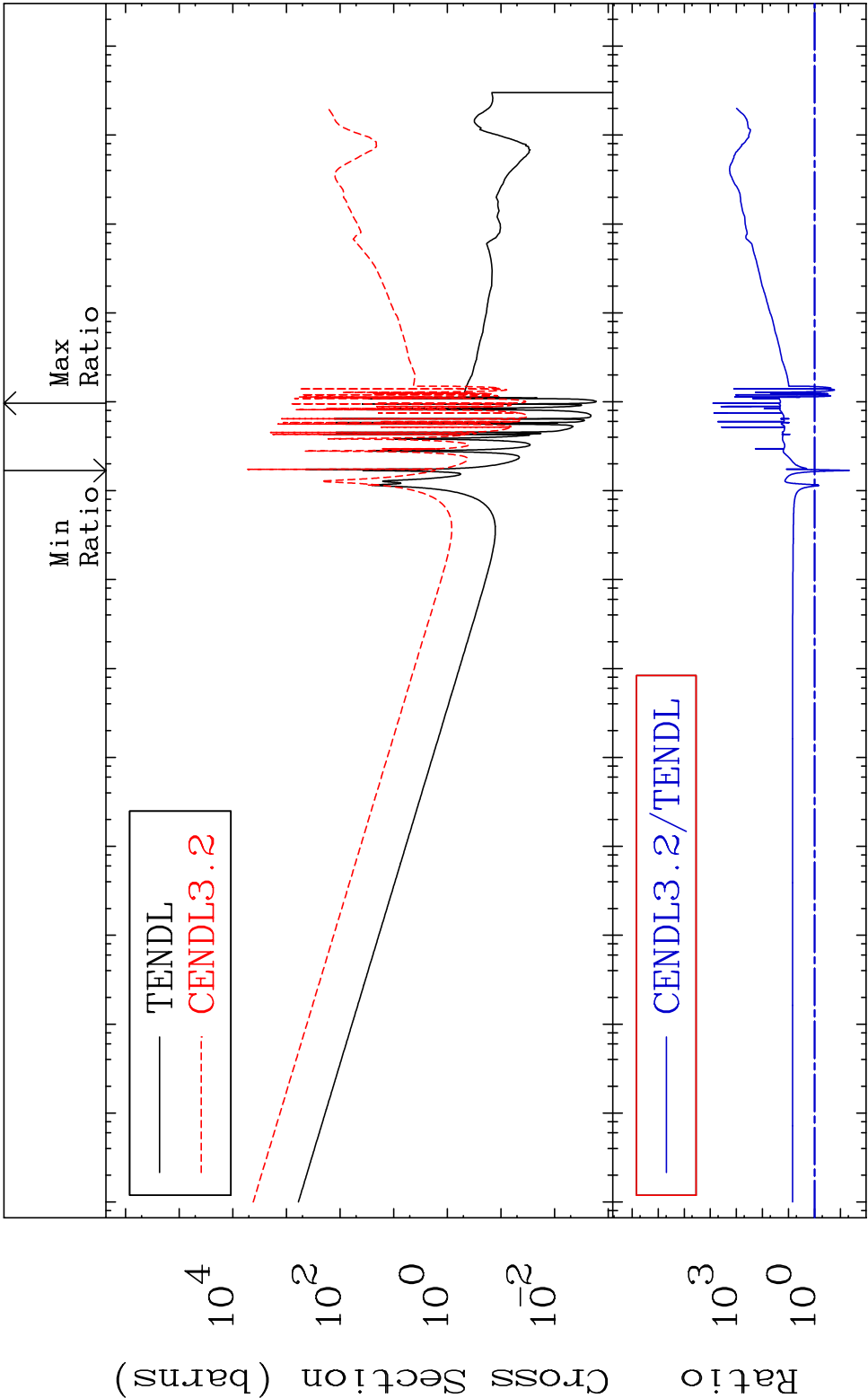
MAT 5843

Kerma capture (mt102)

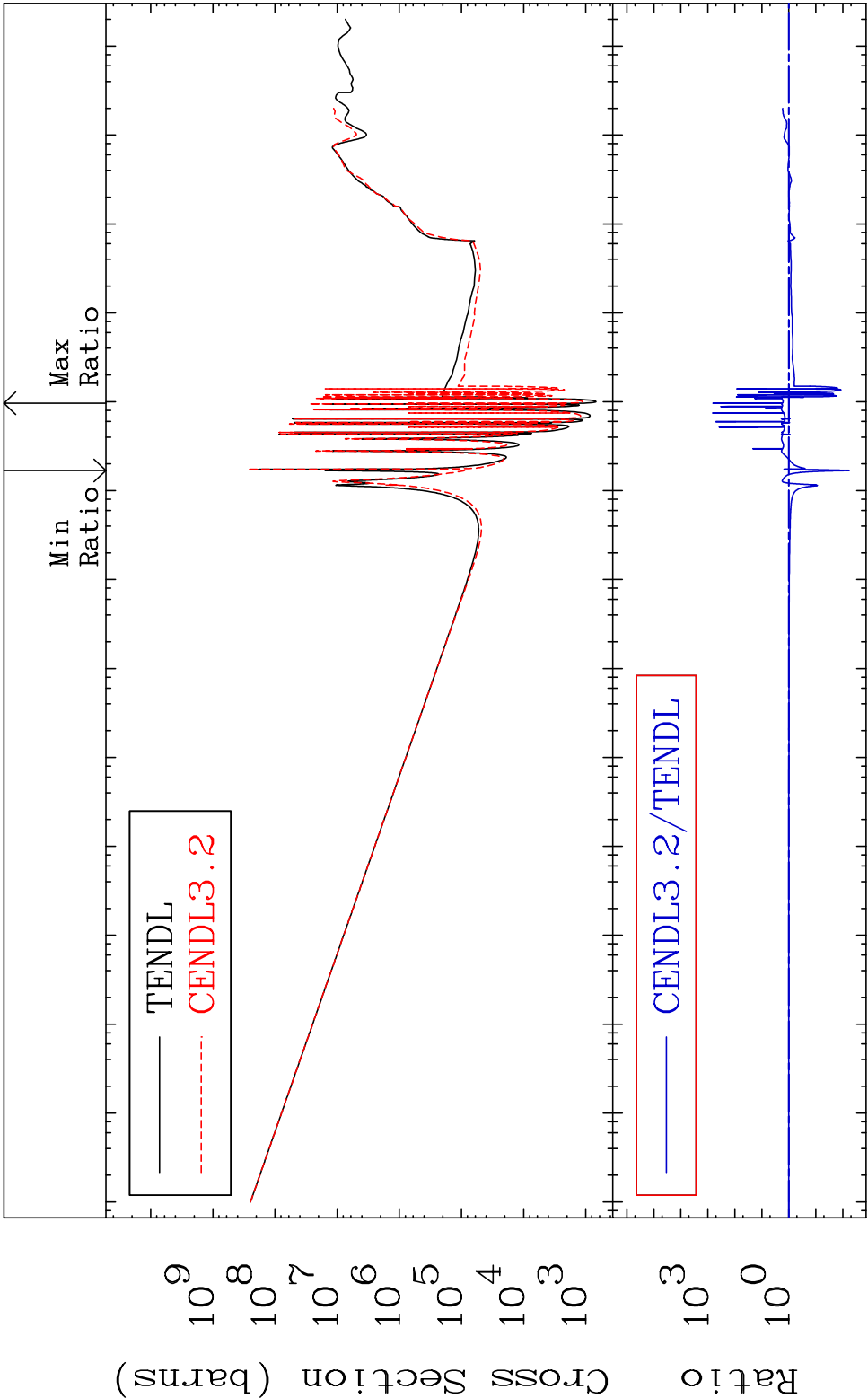
58-Ce-142

Cross Section

-95.47 To 9999. %

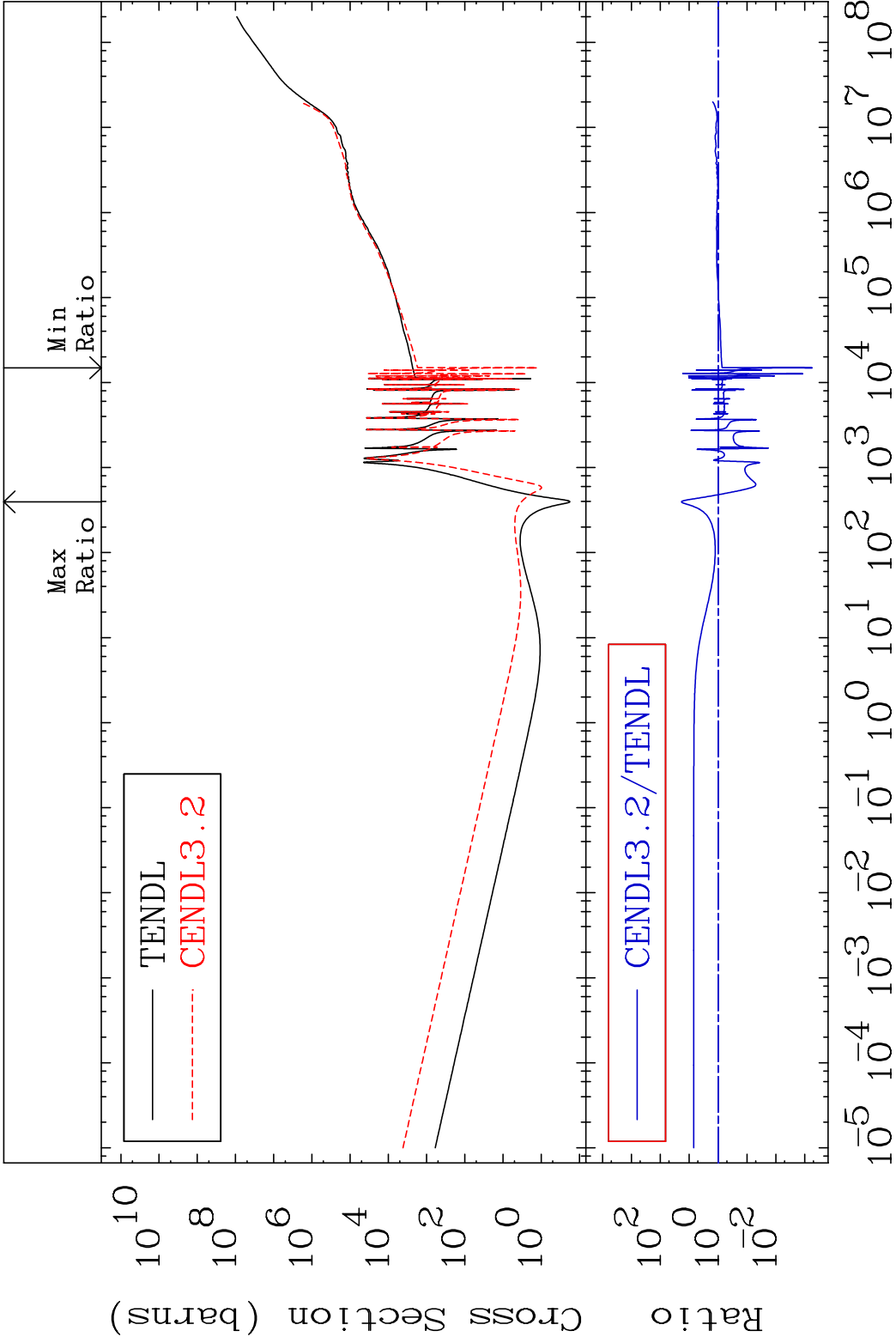


MAT 5843 Total photon (eV-barns) 58-Ce-142
Cross Section -99.43 To 9999. %

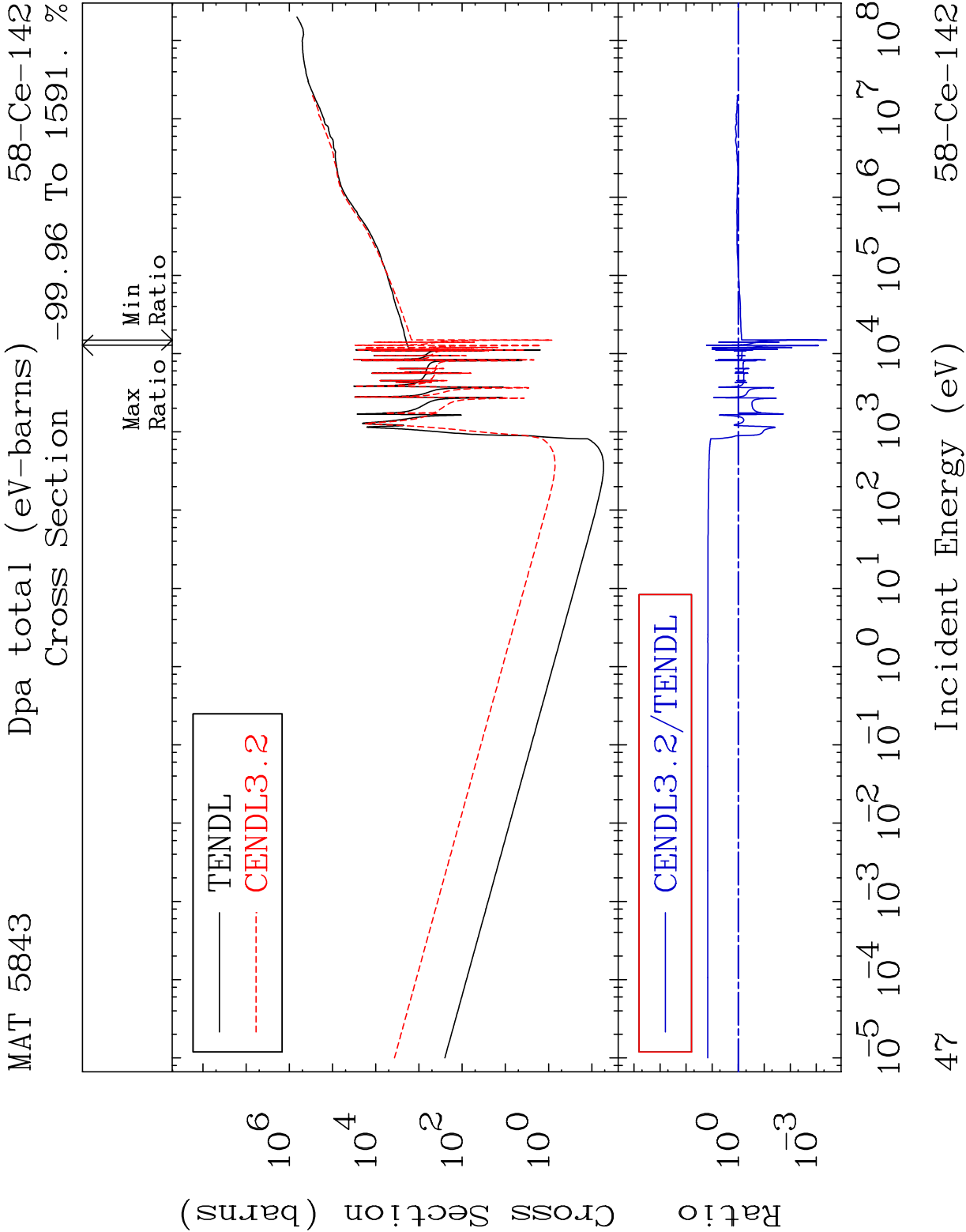


45 Incident Energy (eV) 58-Ce-142

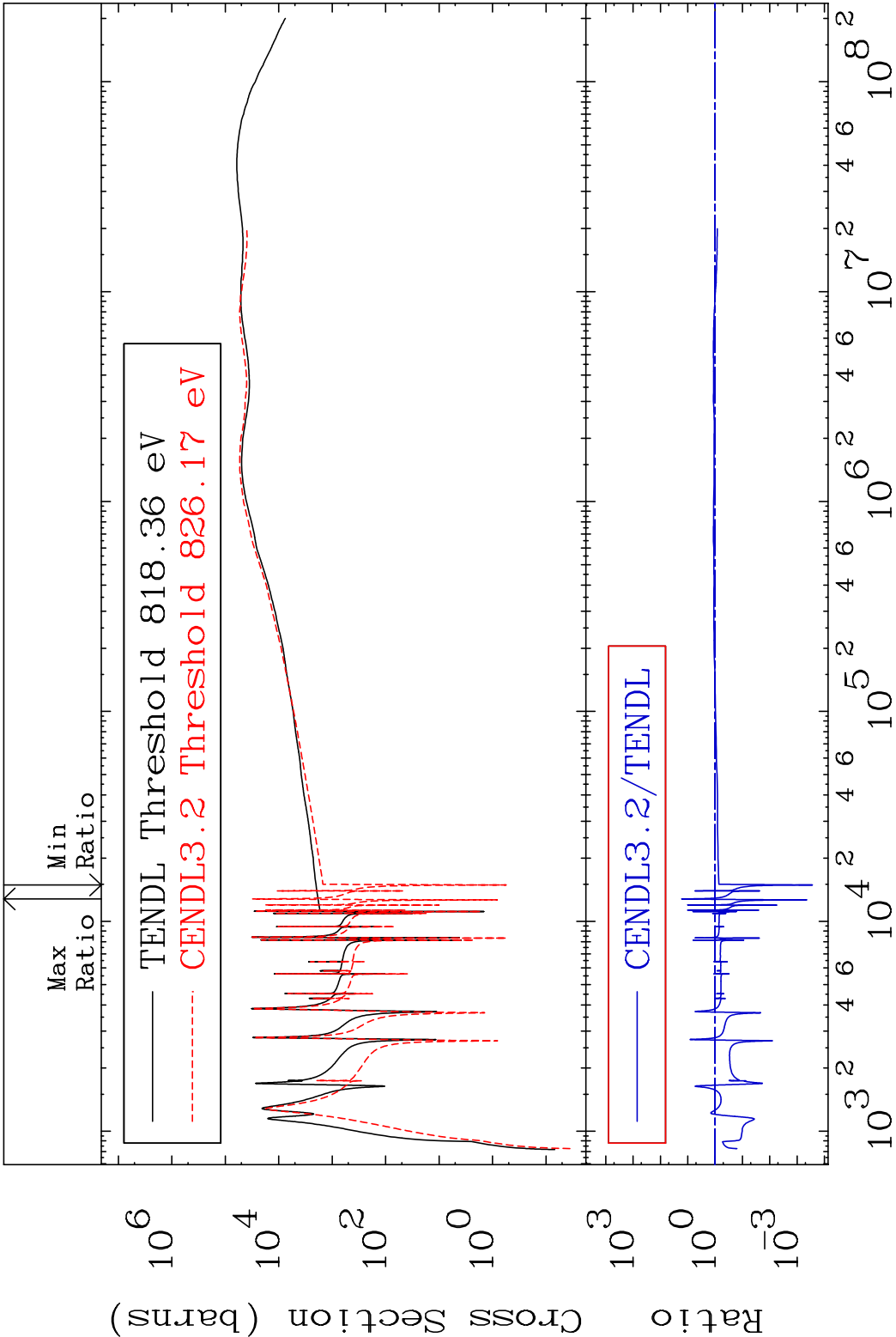
MAT 5843 Total kinematic kerma (high limit) 58-Ce-142
Cross Section -99.94 To 1743. %



46 Incident Energy (eV) 58-Ce-142

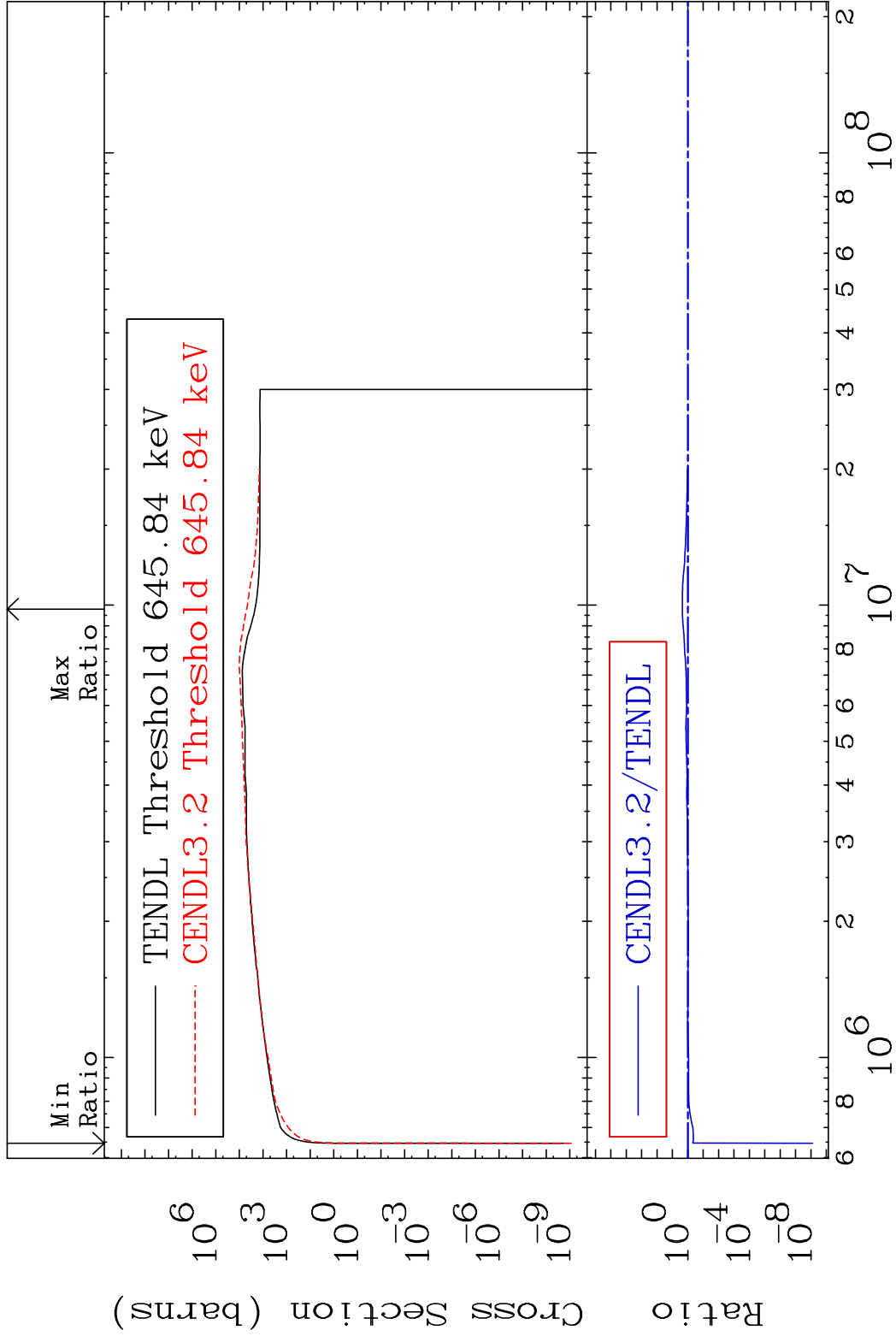


MAT 5843	Dpa elastic (mt2)	58-Ce-142
	Cross Section	-99.97 To 1589. %

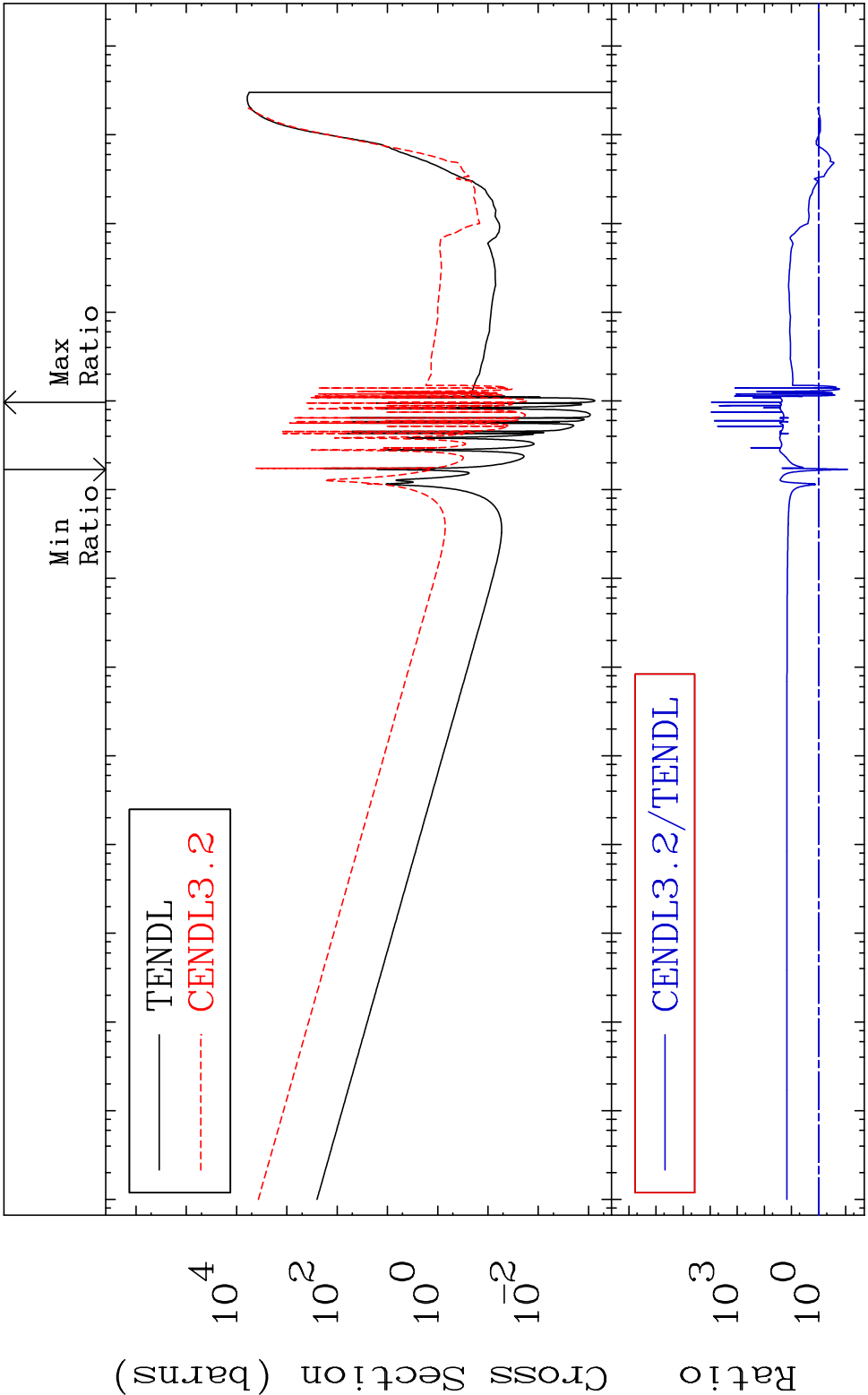


48	Incident Energy (eV)	58-Ce-142
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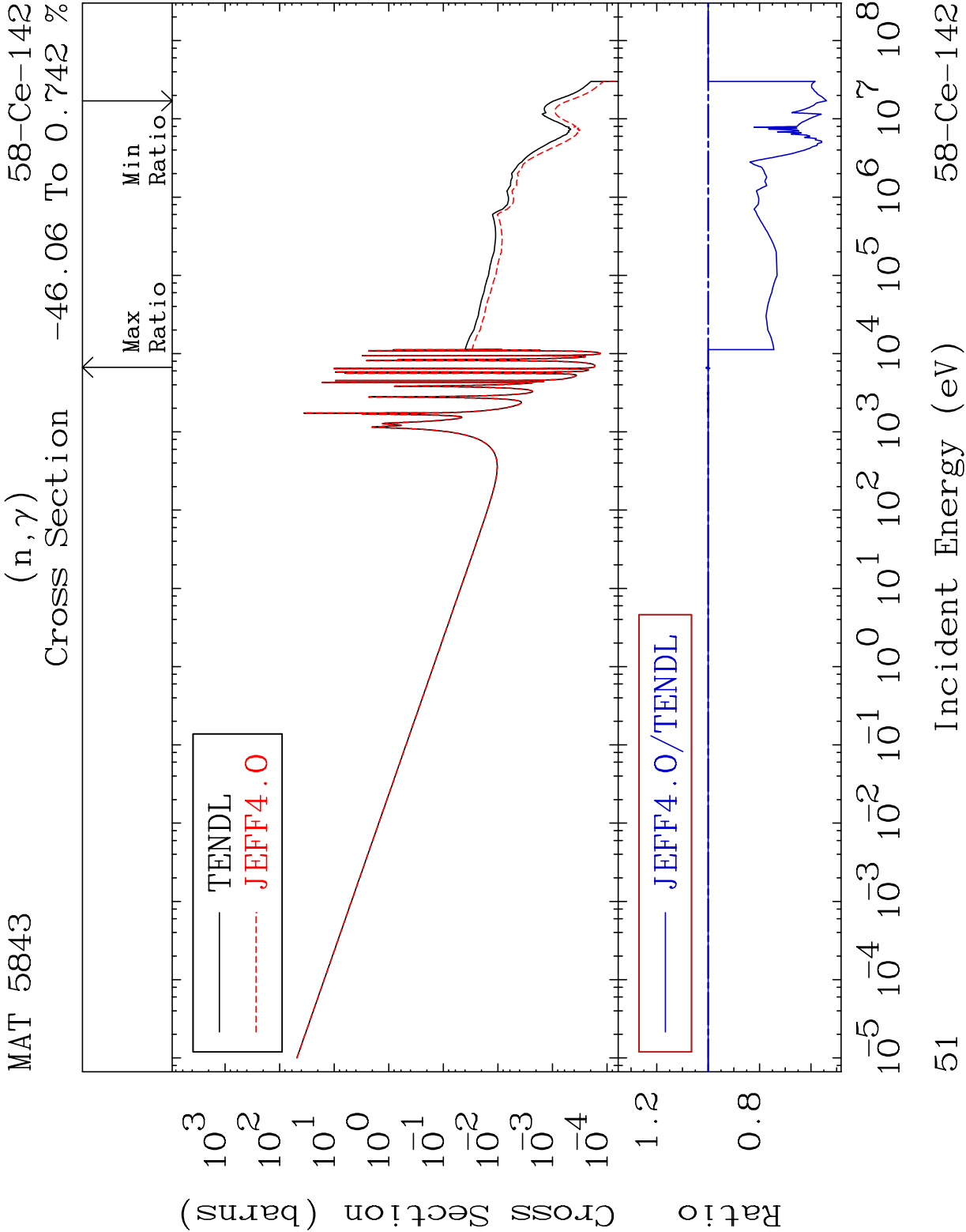
MAT 5843 Dpa inelastic (mt51-91) 58-Ce-142
Cross Section -100.0 To 126.6 %

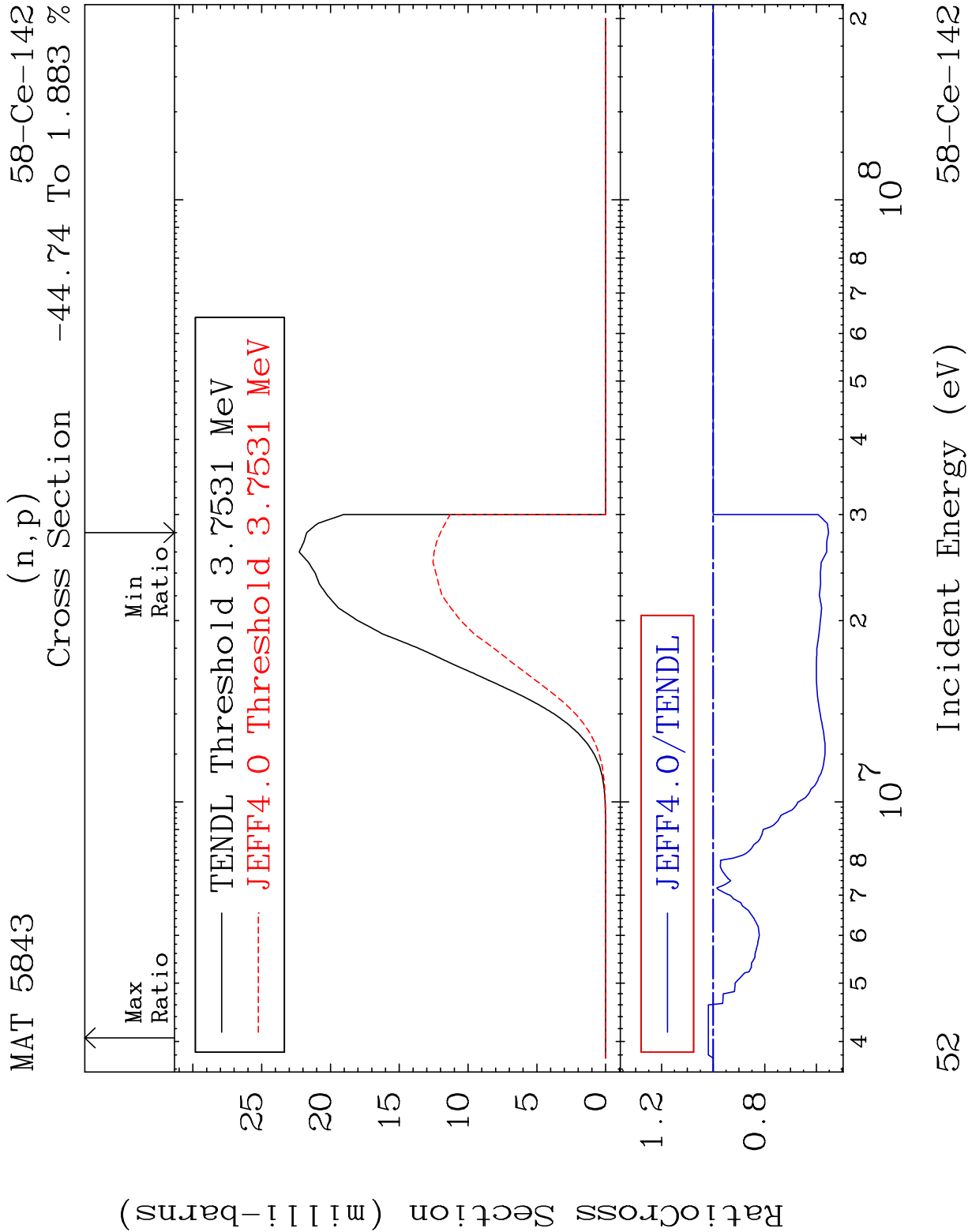


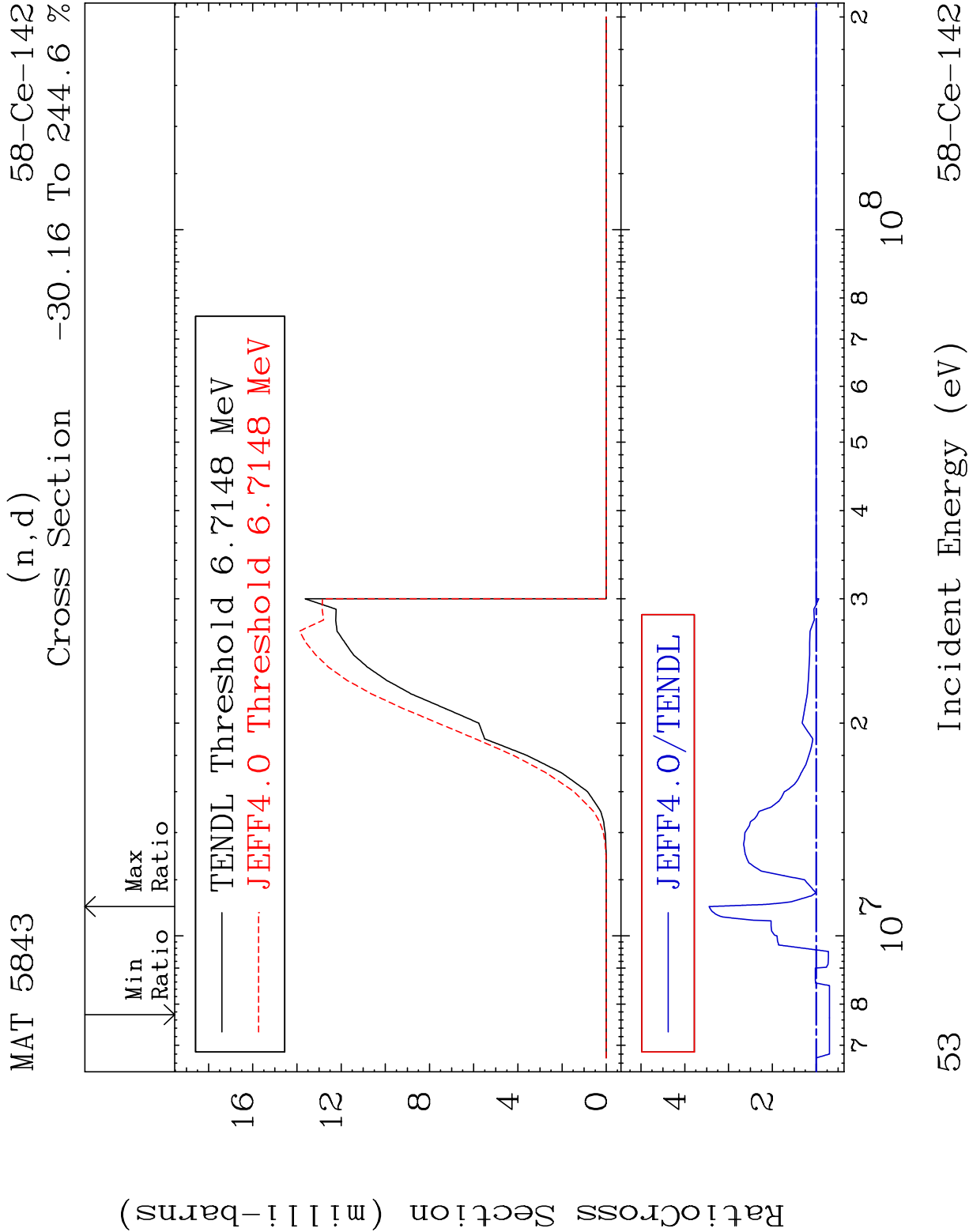
MAT 5843 Dpa disappearance (mt102 -120) 58-Ce-142
Cross Section -91.63 To 9999. %

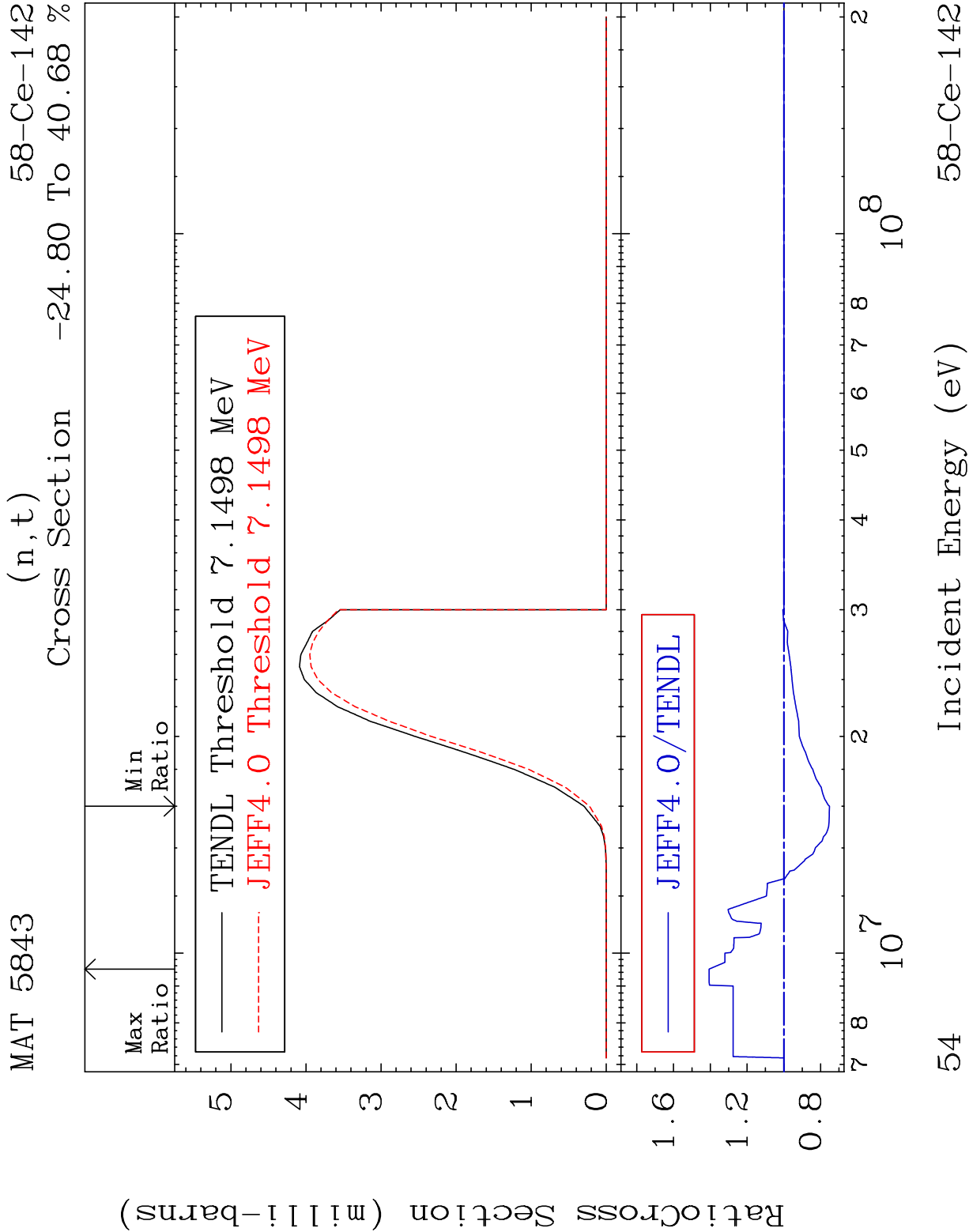


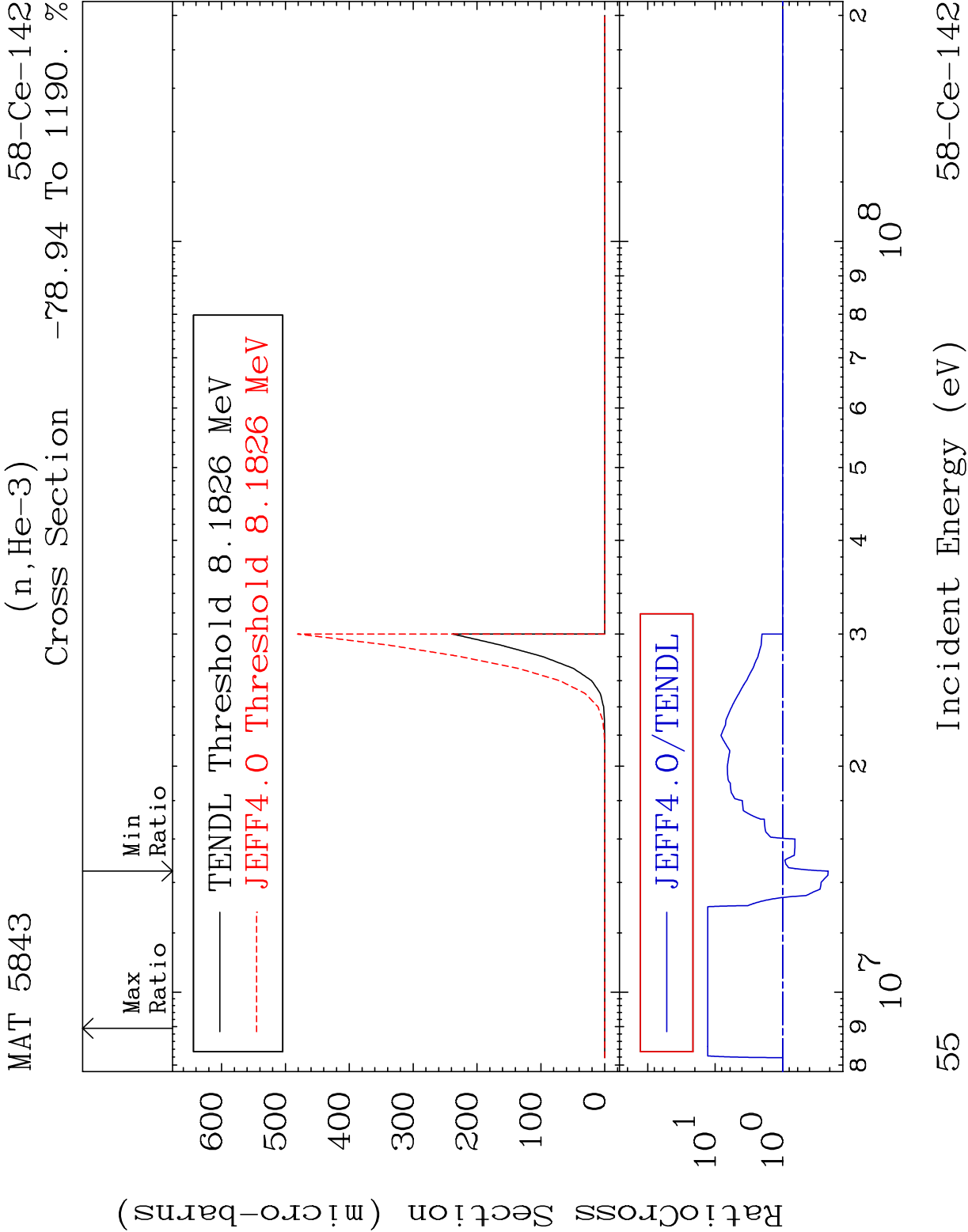
50 Incident Energy (eV) 58-Ce-142

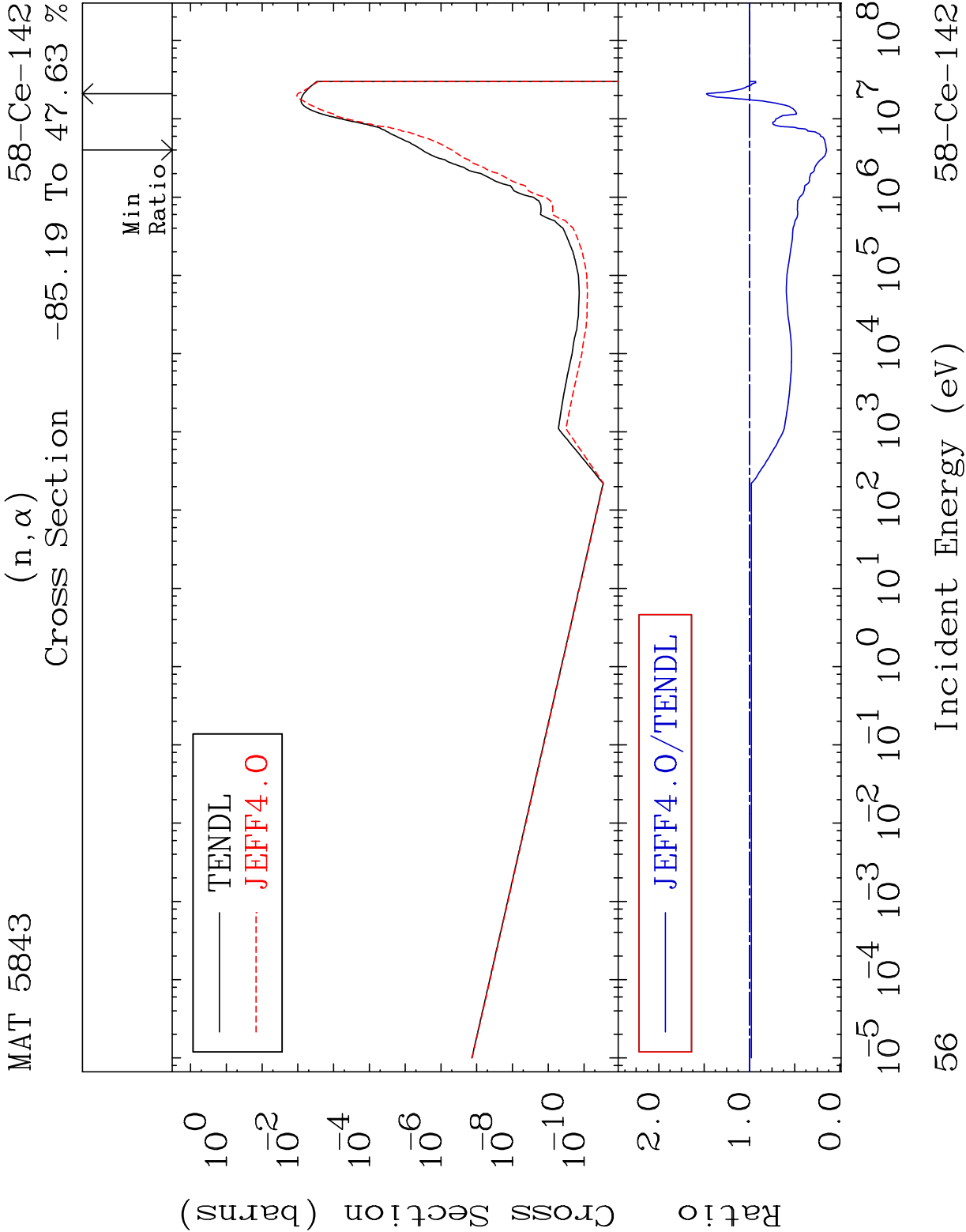


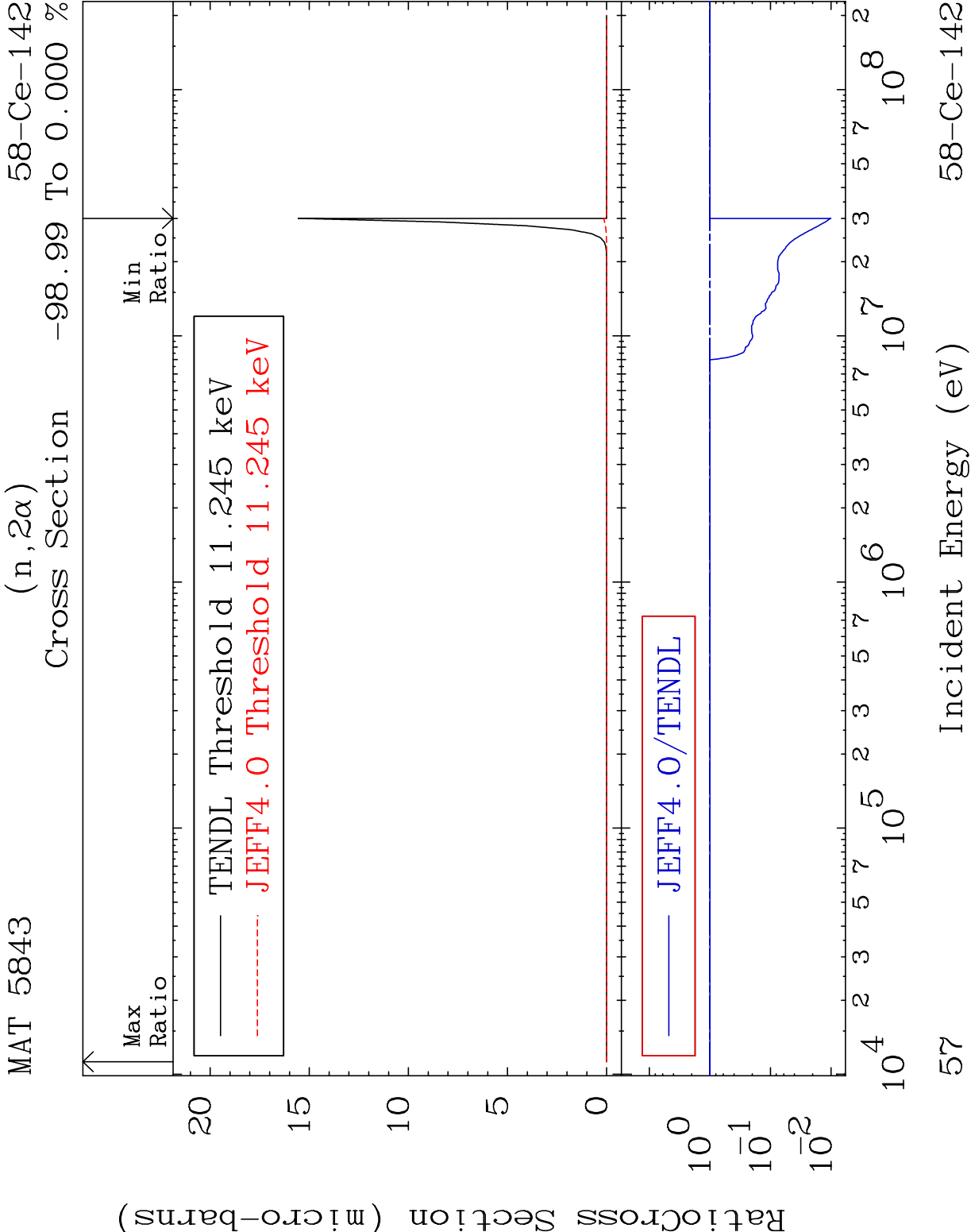


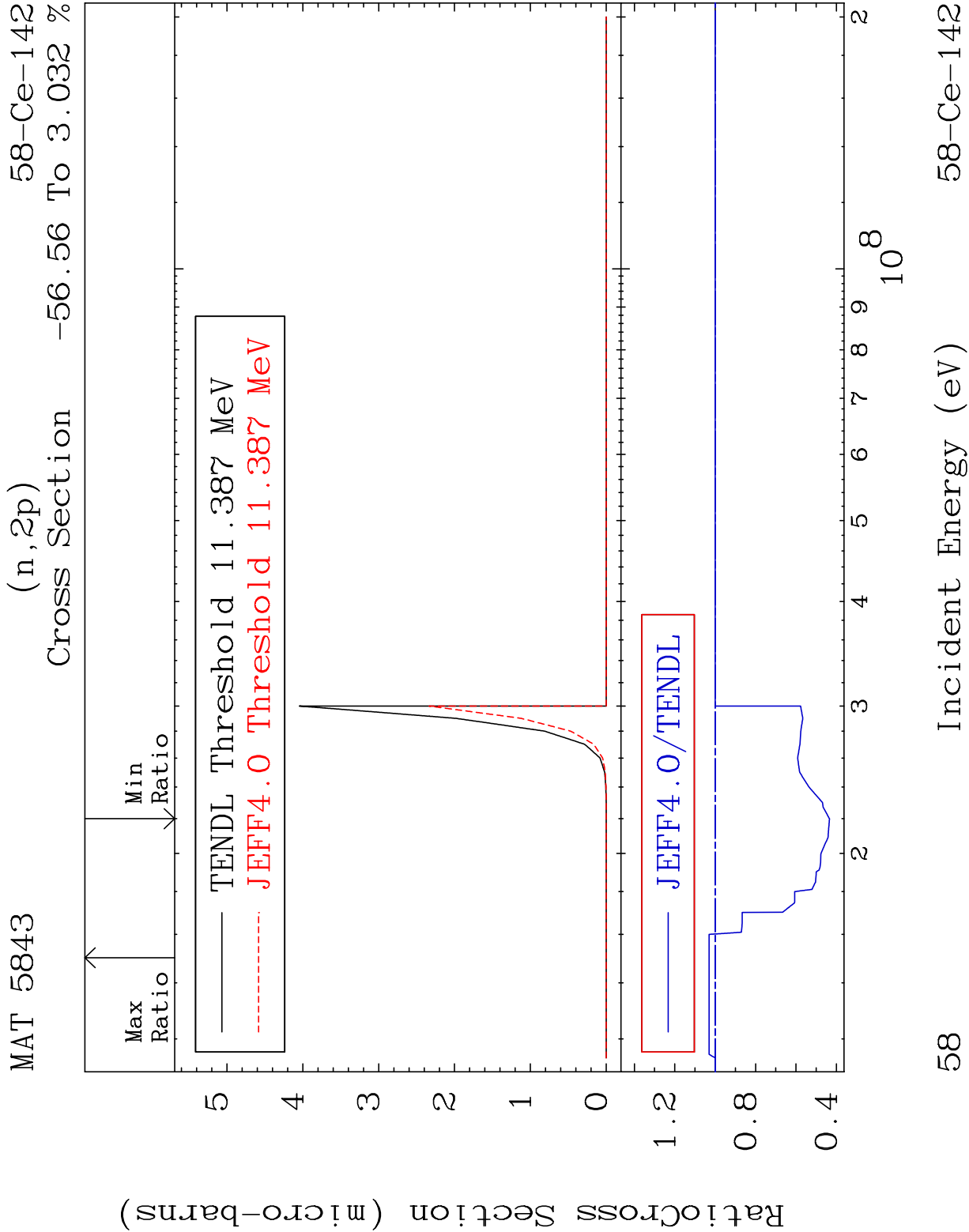


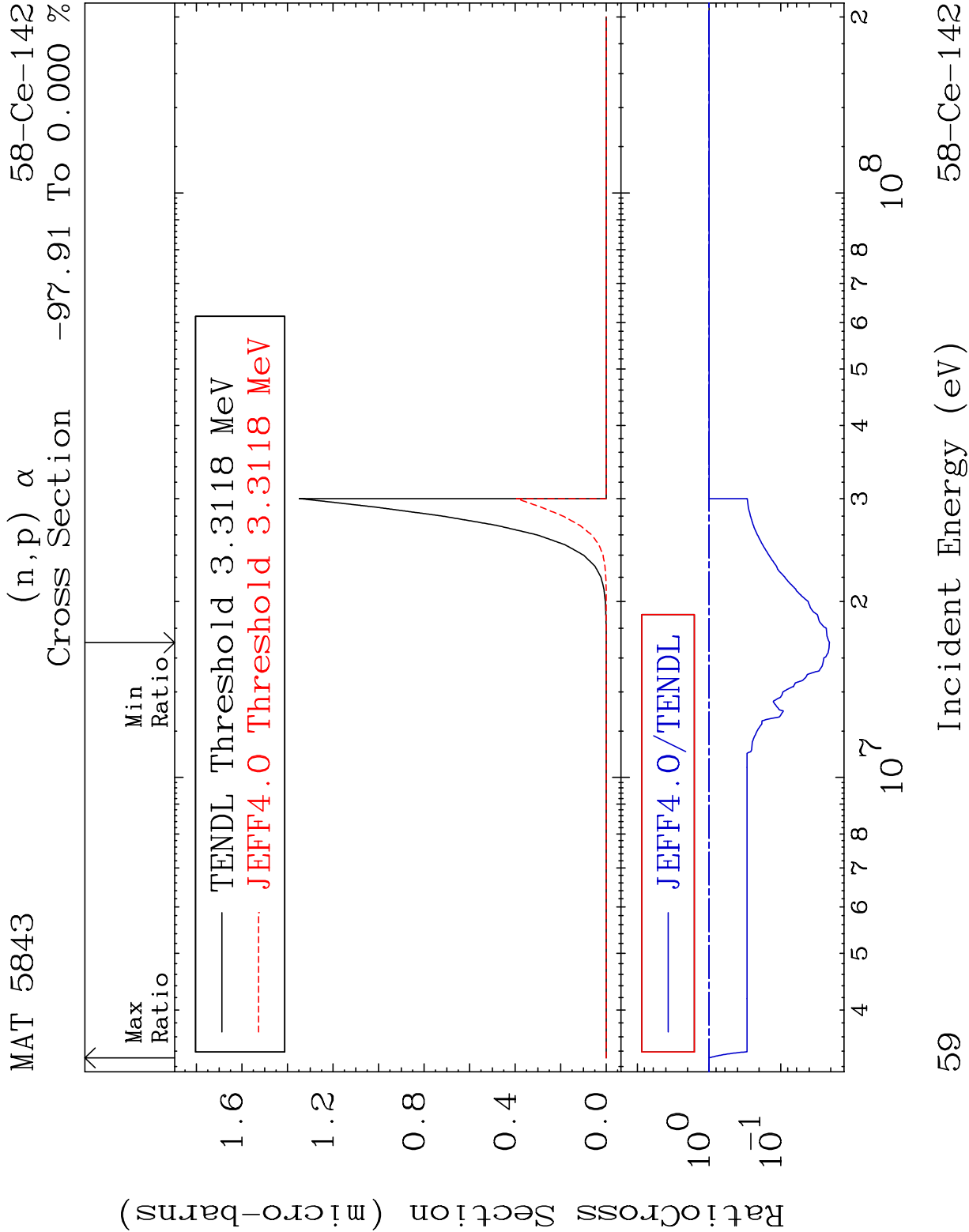


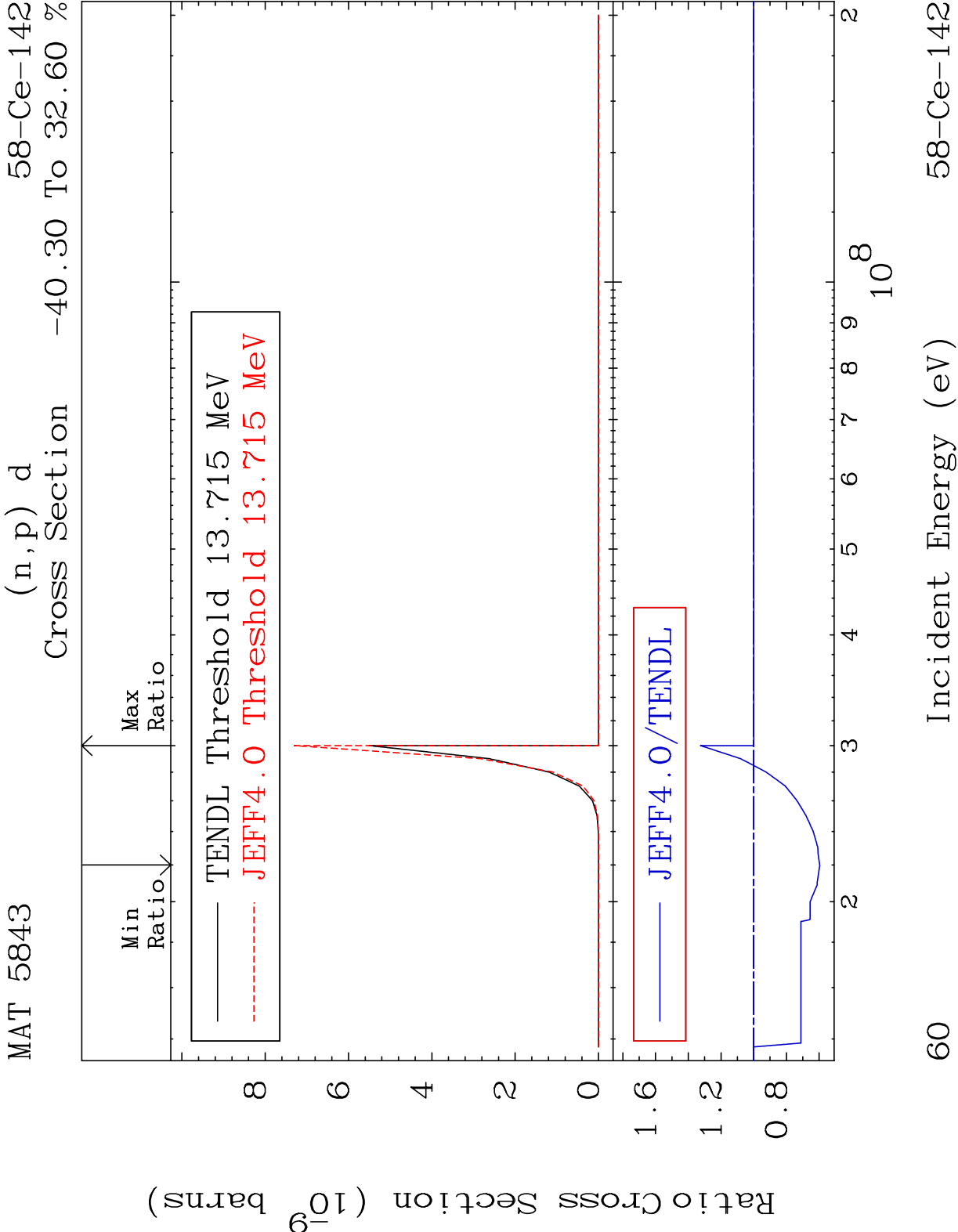


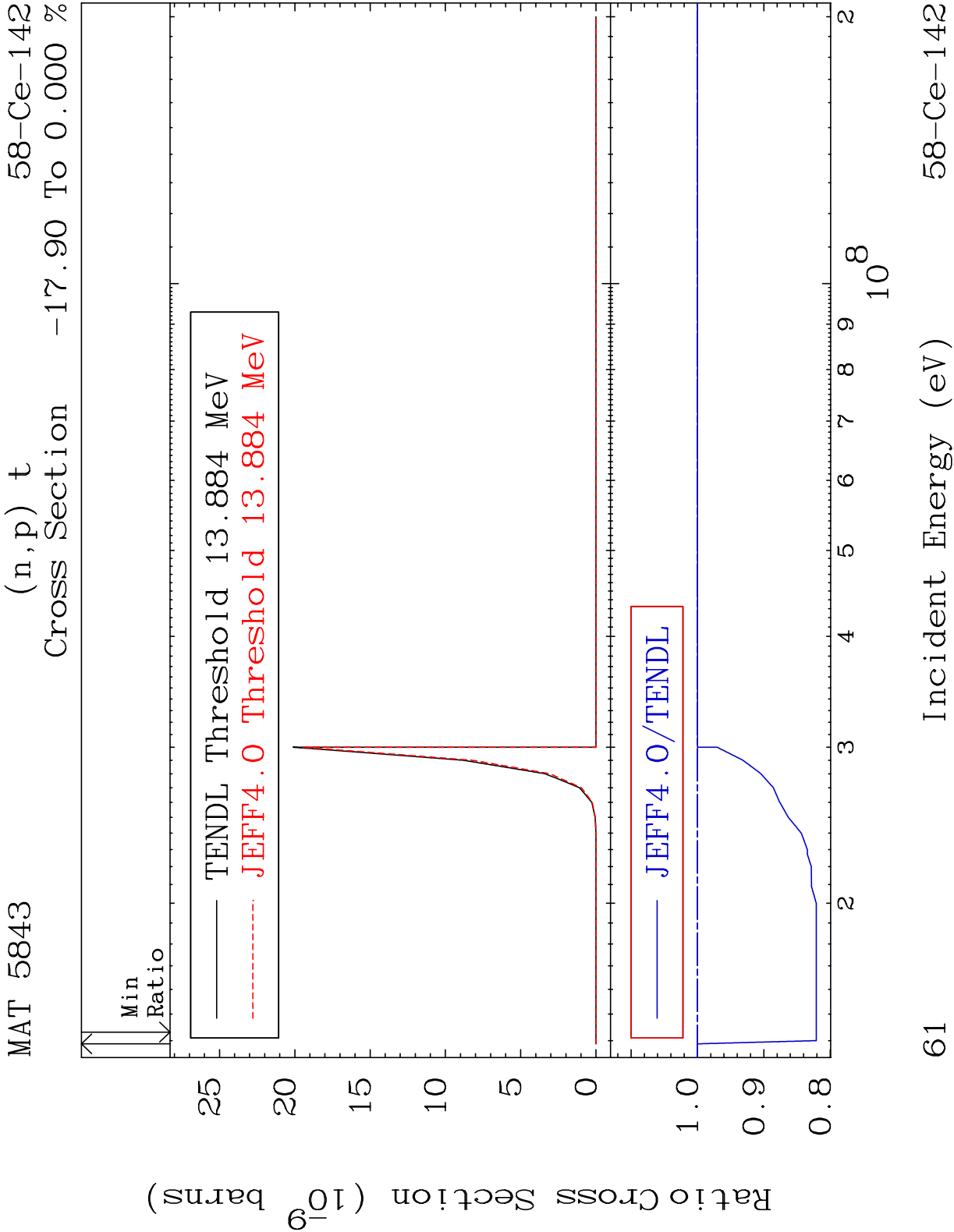










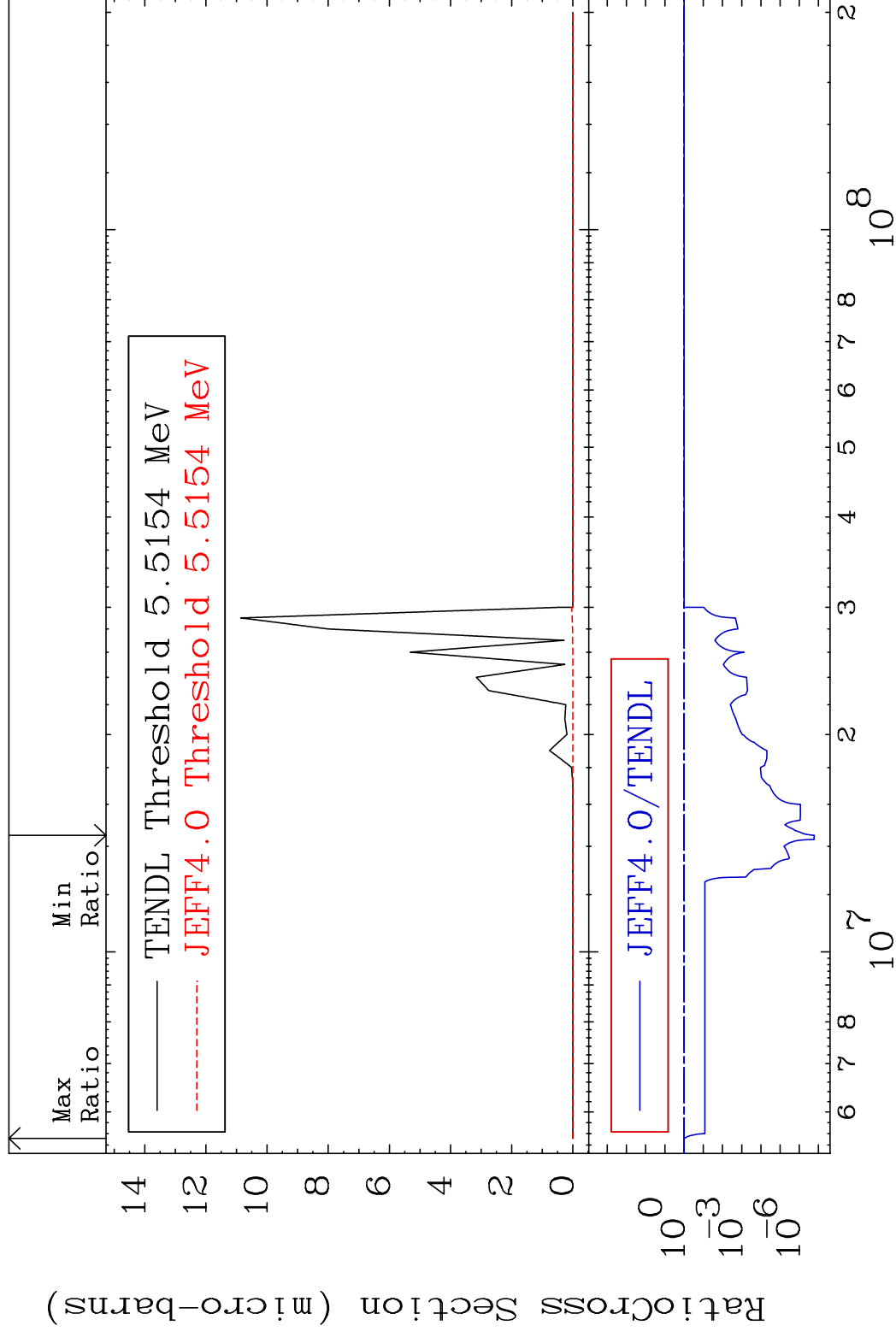


MAT 5843

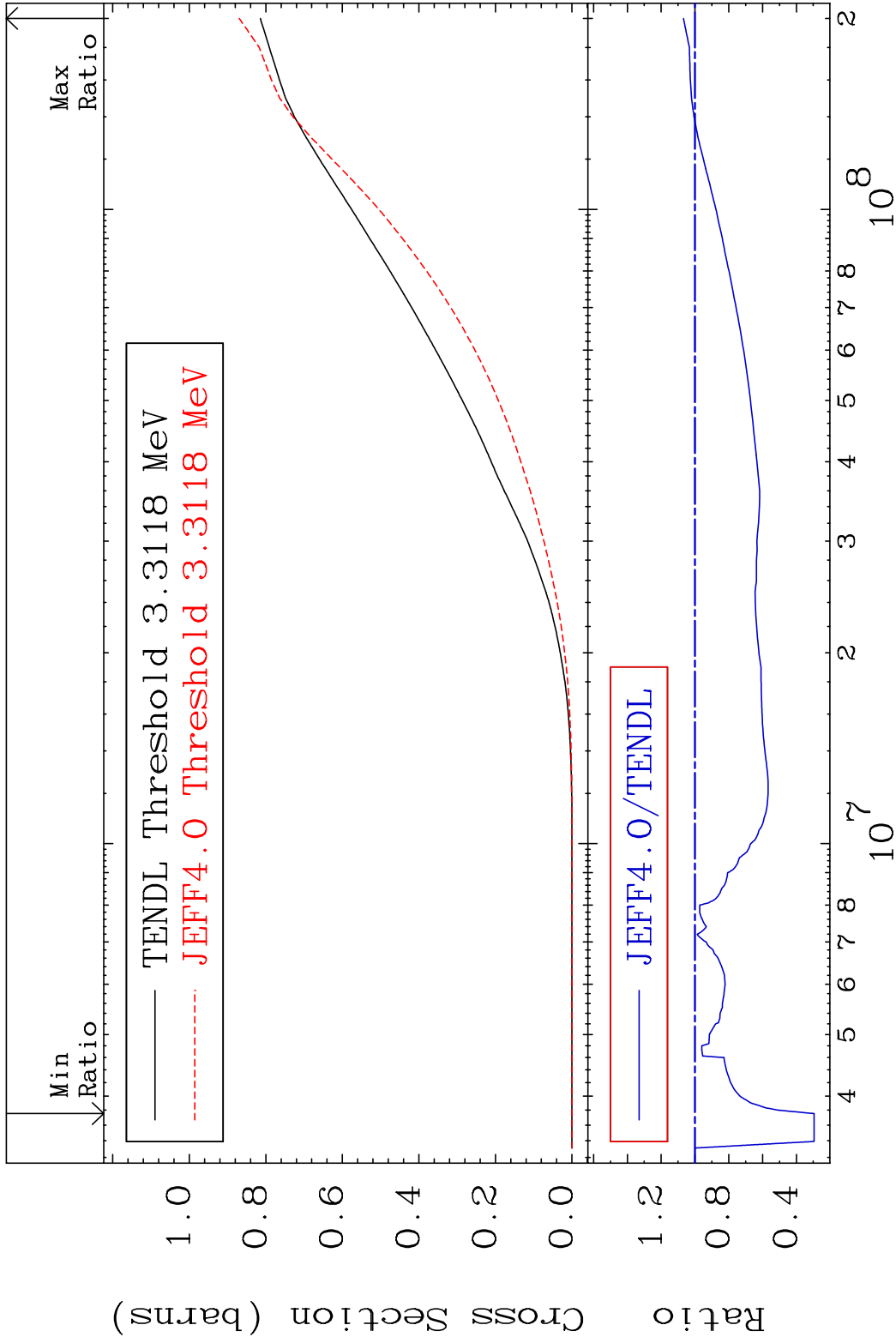
$$(n, d) \propto$$

58-Ce-142

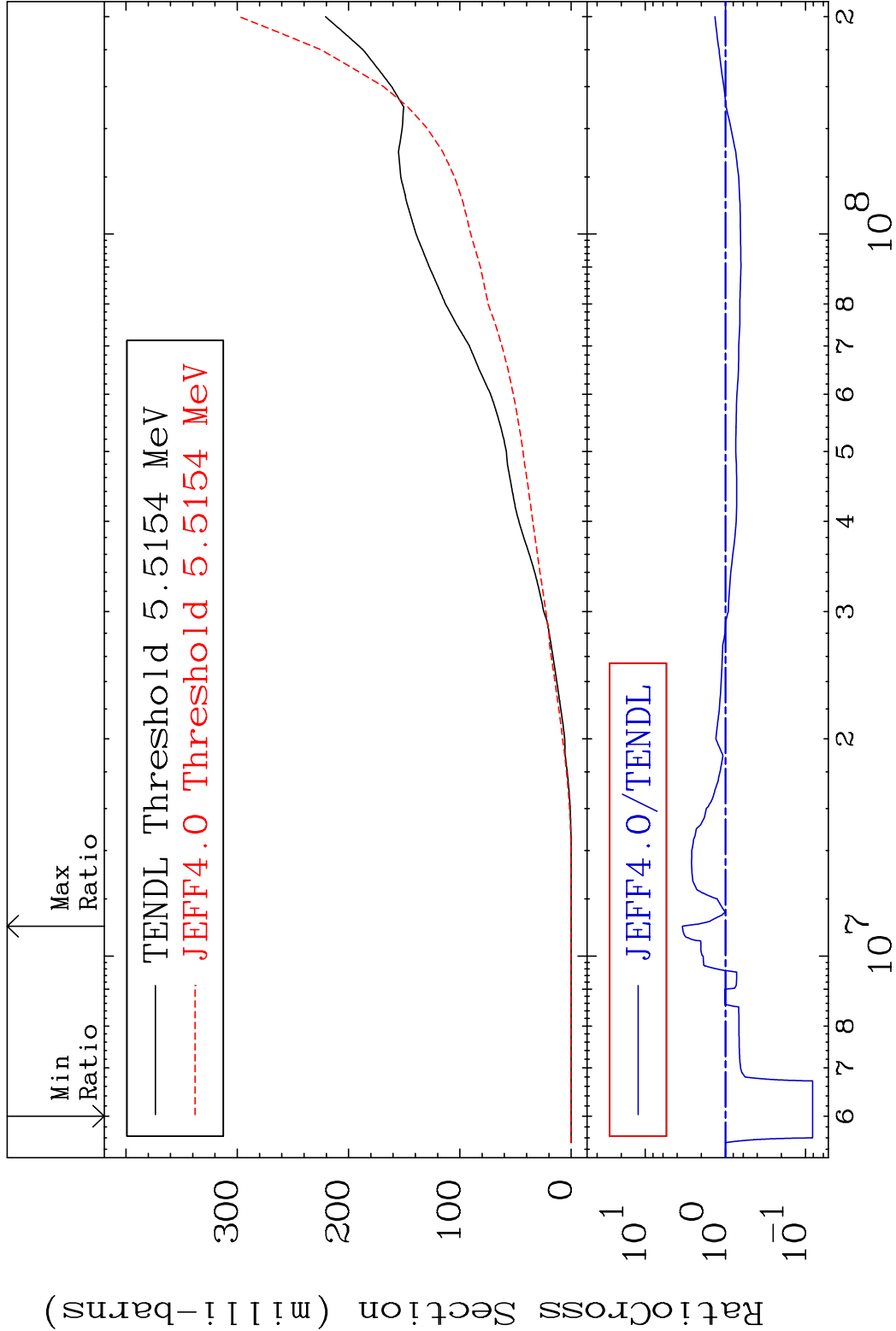
Cross Section -100.0 To 0.000 %



MAT 5843 Hydrogen Production 58-Ce-142
Cross Section -70.46 To 6.802 %

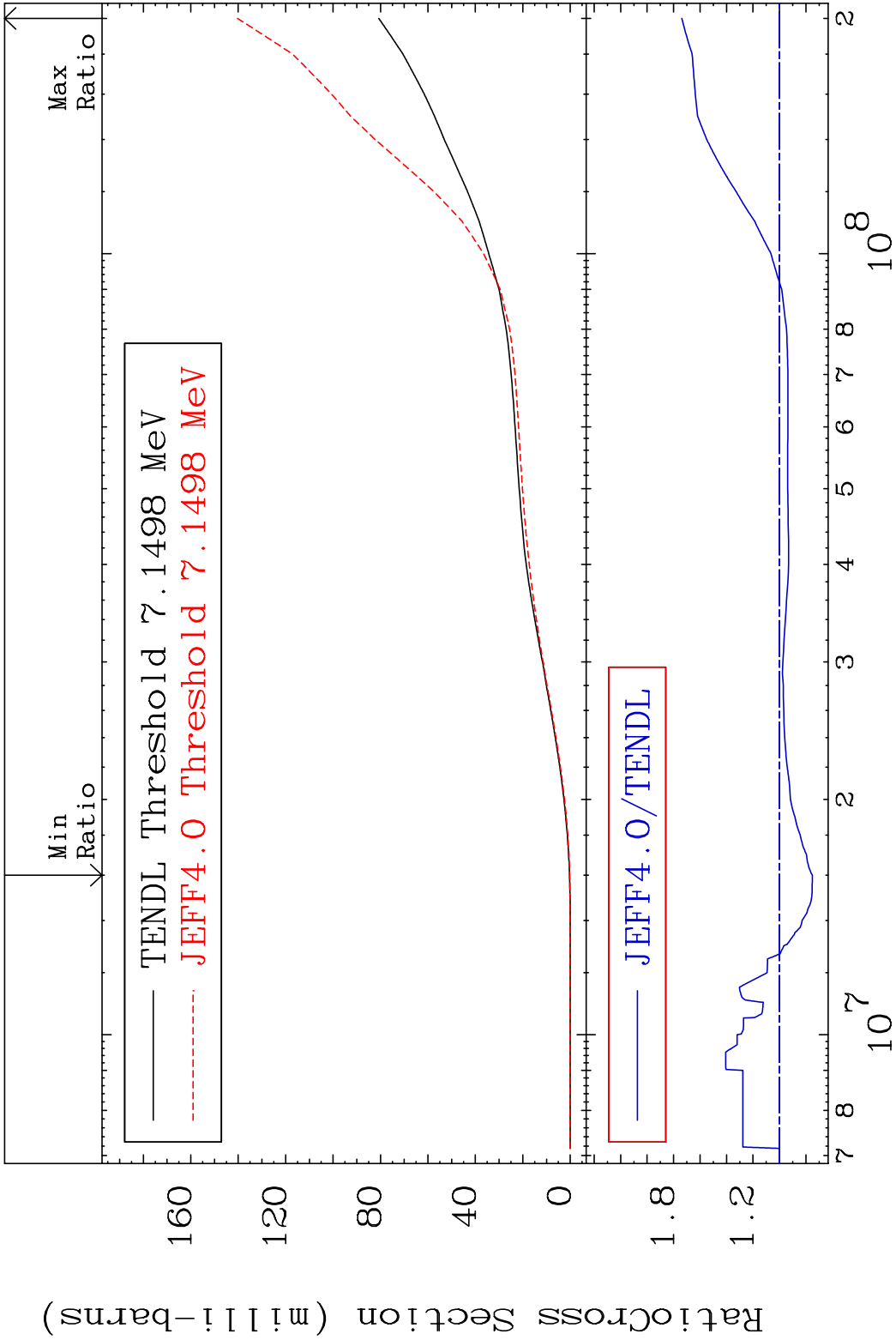


MAT 5843 Deuterium Production 58-Ce-142
Cross Section -91.83 To 244.6 %

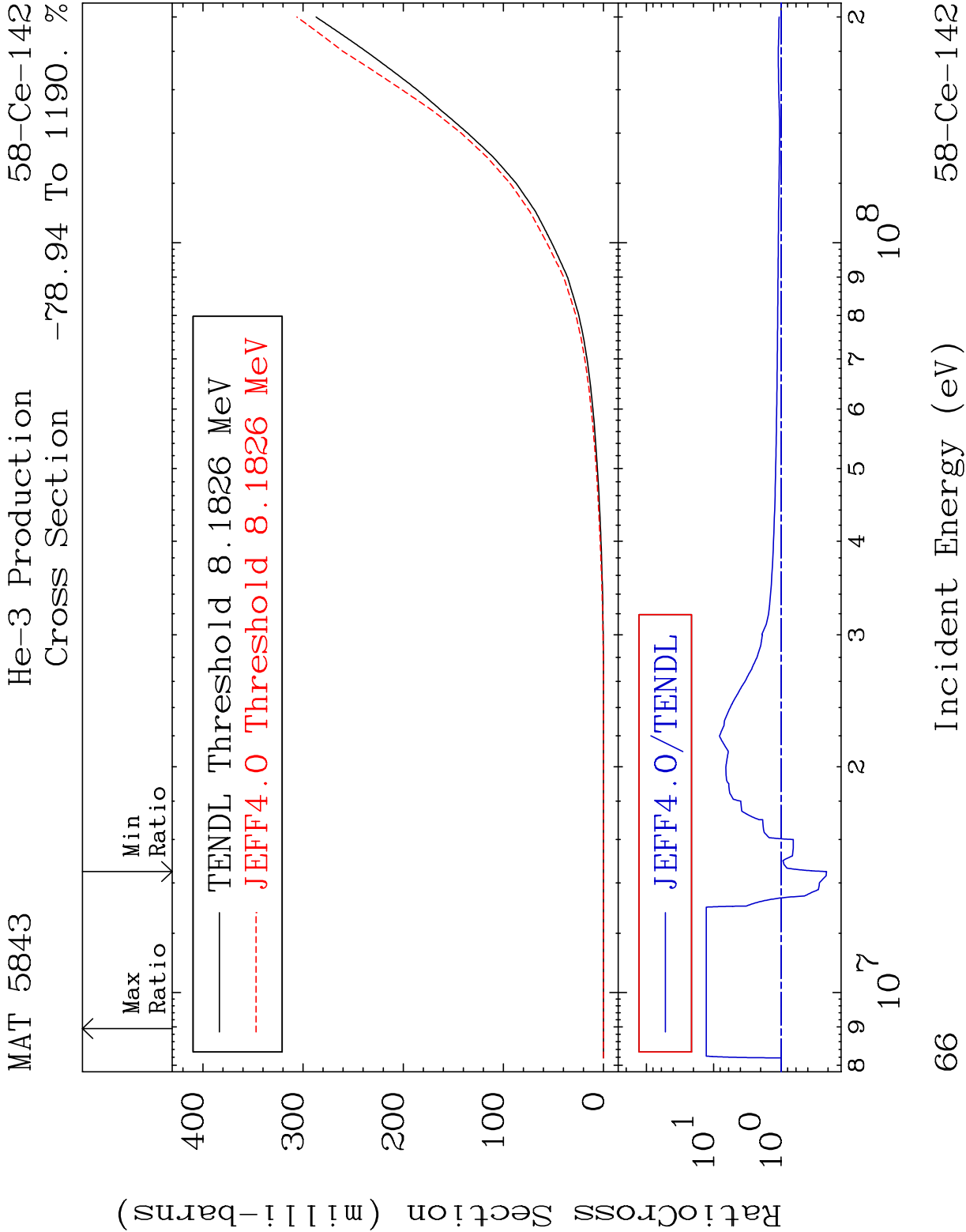


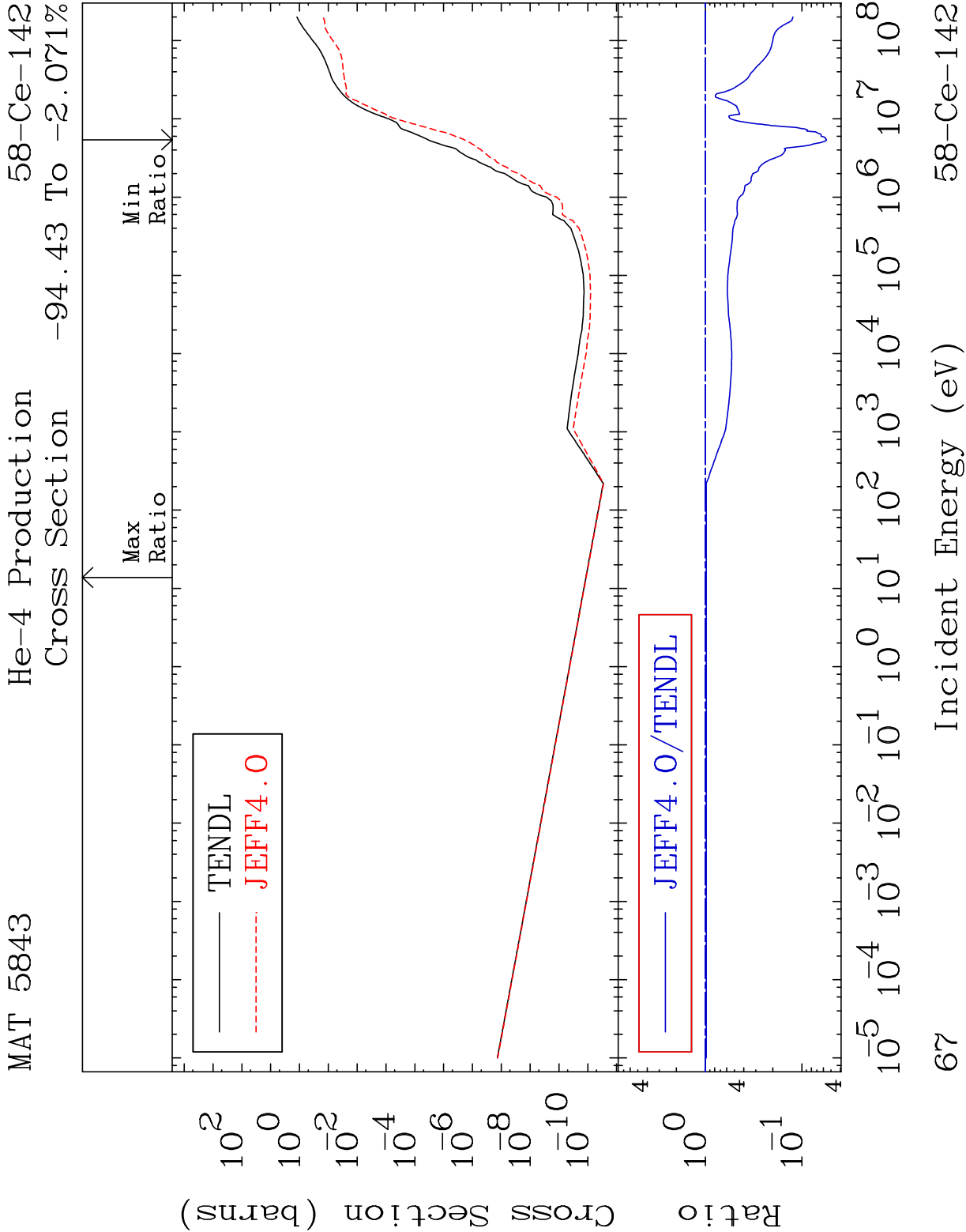
64 Incident Energy (eV) 58-Ce-142

MAT 5843 Tritium Production 58-Ce-142
Cross Section -24.80 To 73.84 %

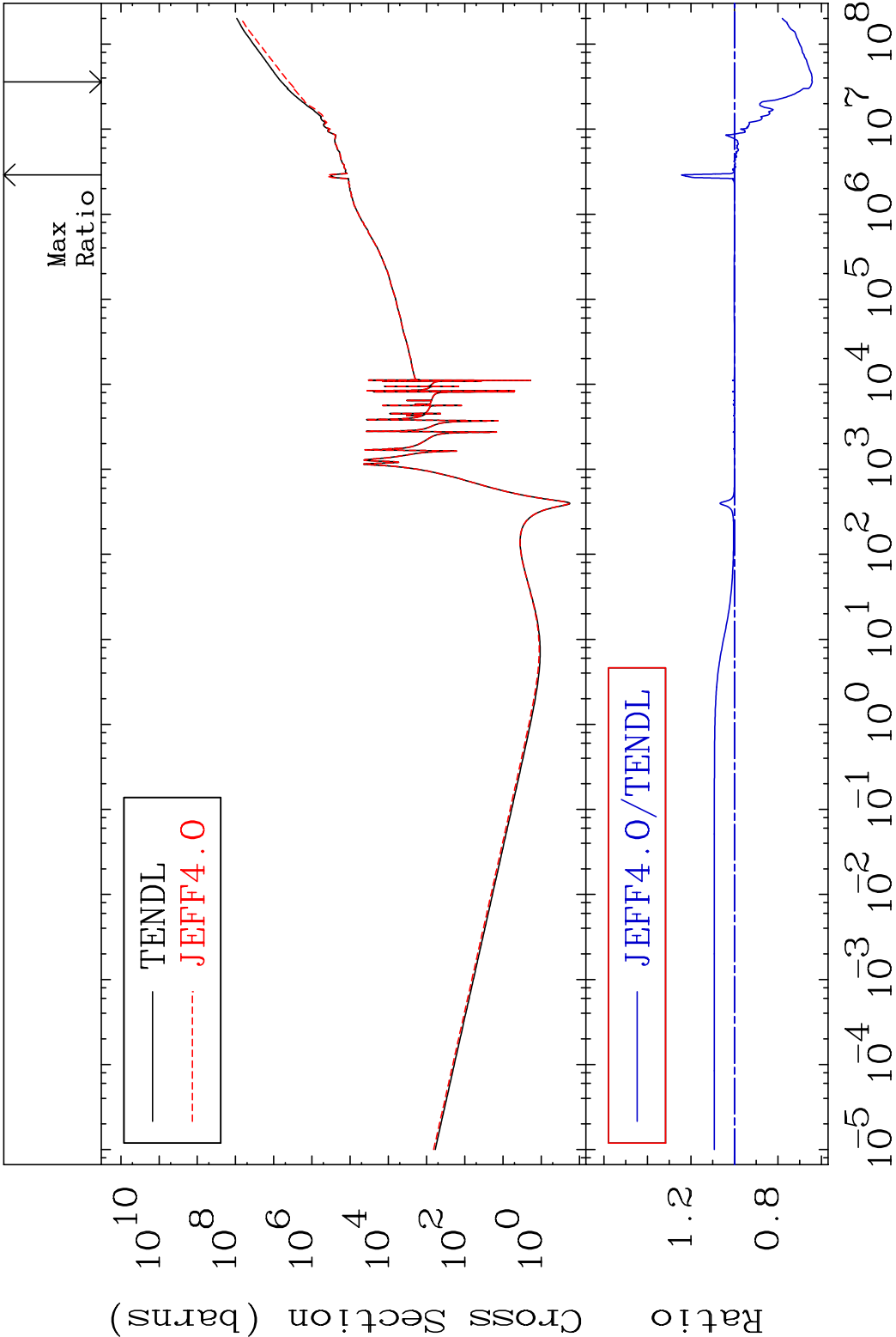


65 Incident Energy (eV) 58-Ce-142



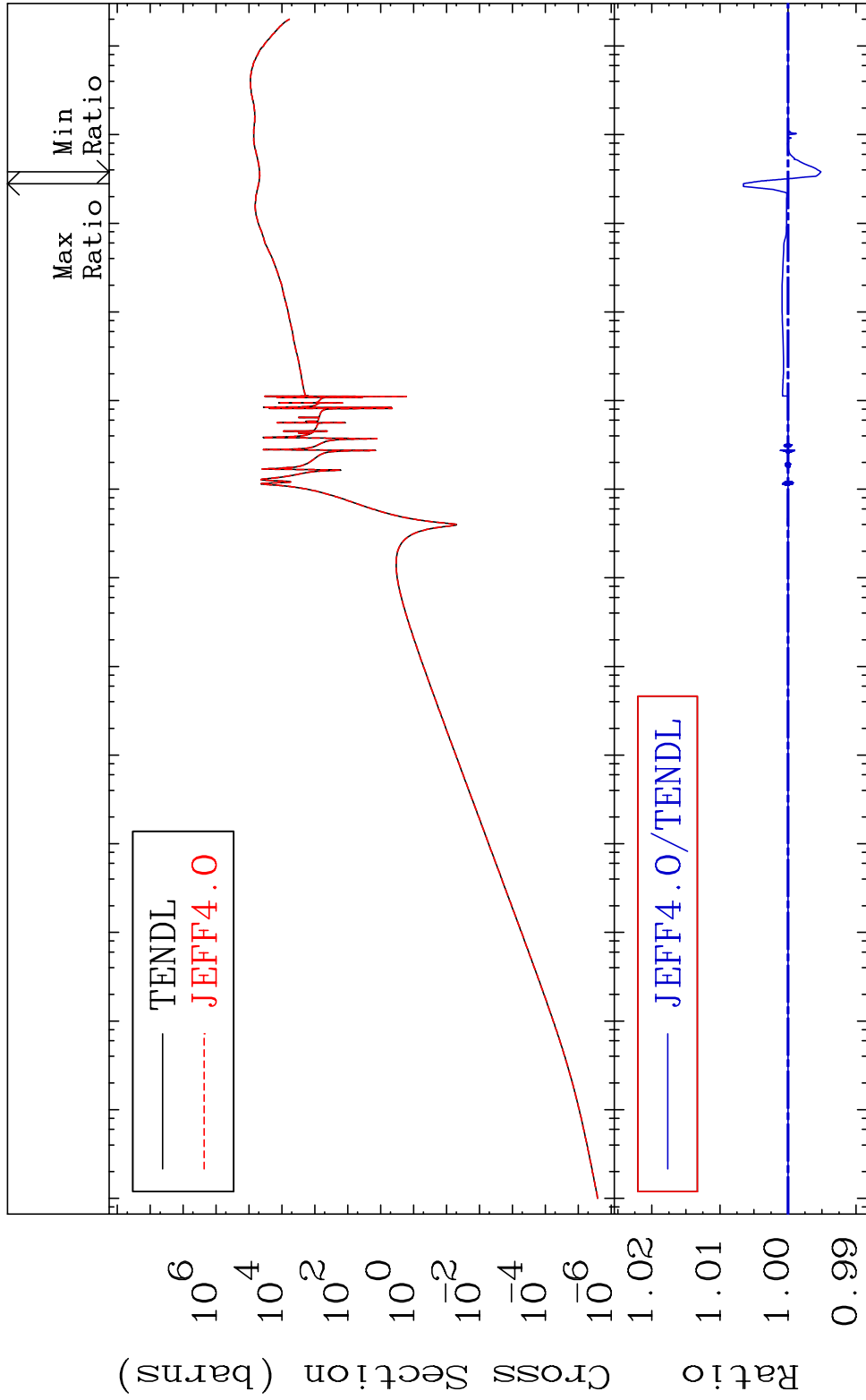


MAT 5843 Kerma total (eV-barns) 58-Ce-142
Cross Section -35.75 To 24.36 %



68 Incident Energy (eV) 58-Ce-142

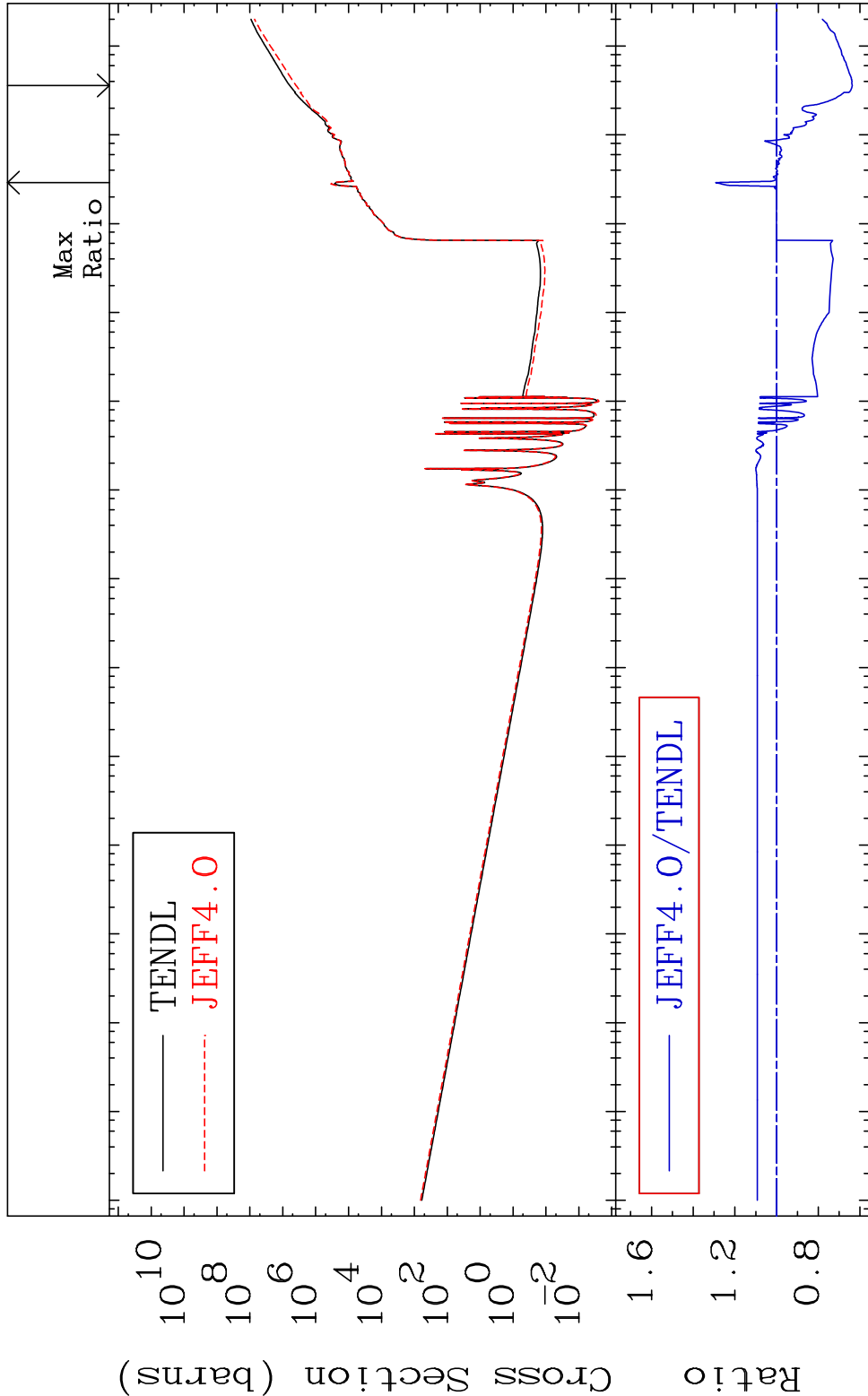
MAT 5843	Kerma elastic	58-Ce-142
	Cross Section	-0.485 To 0.657 %



69	Incident Energy (eV)	58-Ce-142
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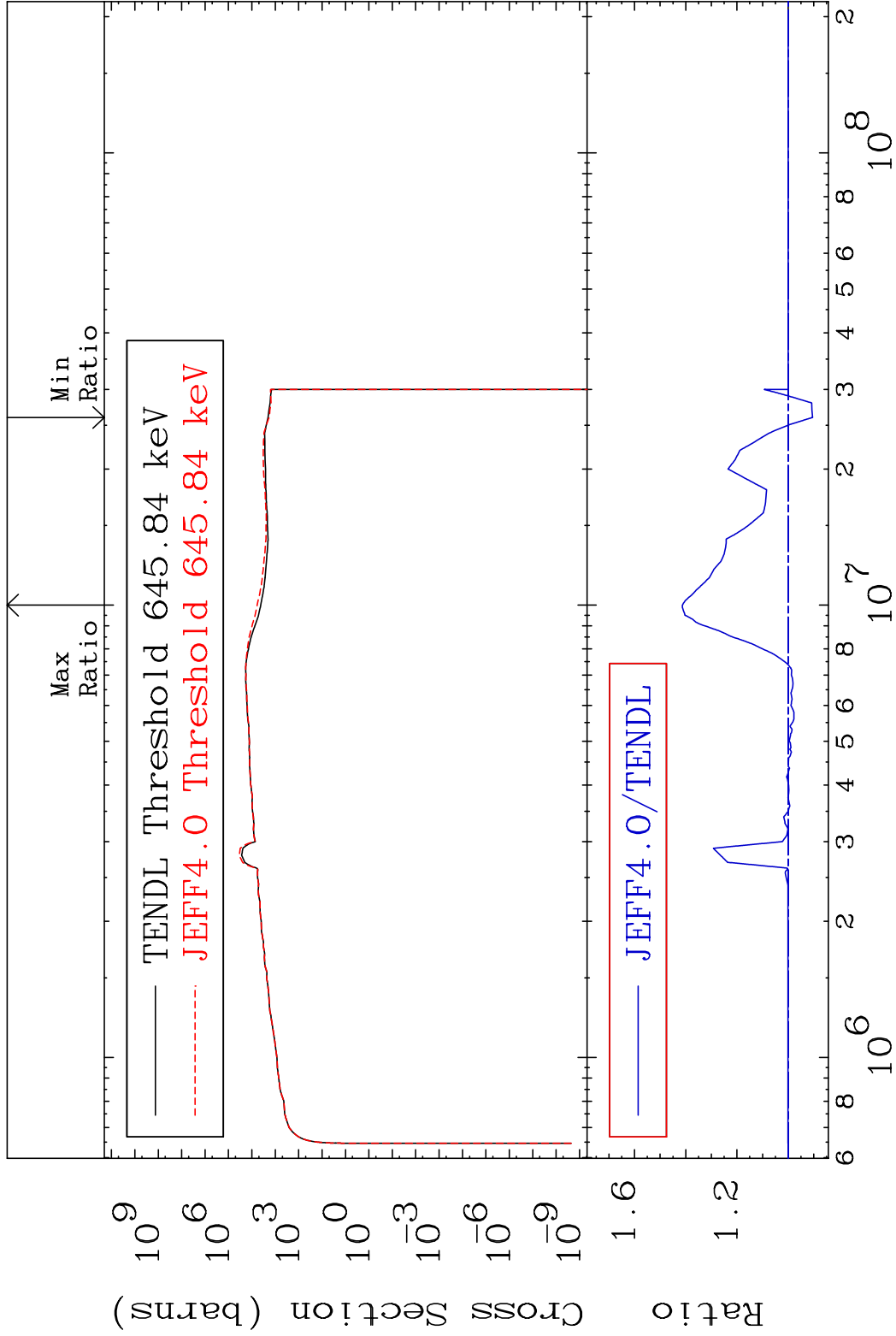
MAT 5843 Kerma non-elastic (all but mt2) 58-Ce-142

Cross Section -36.26 To 29.23 %

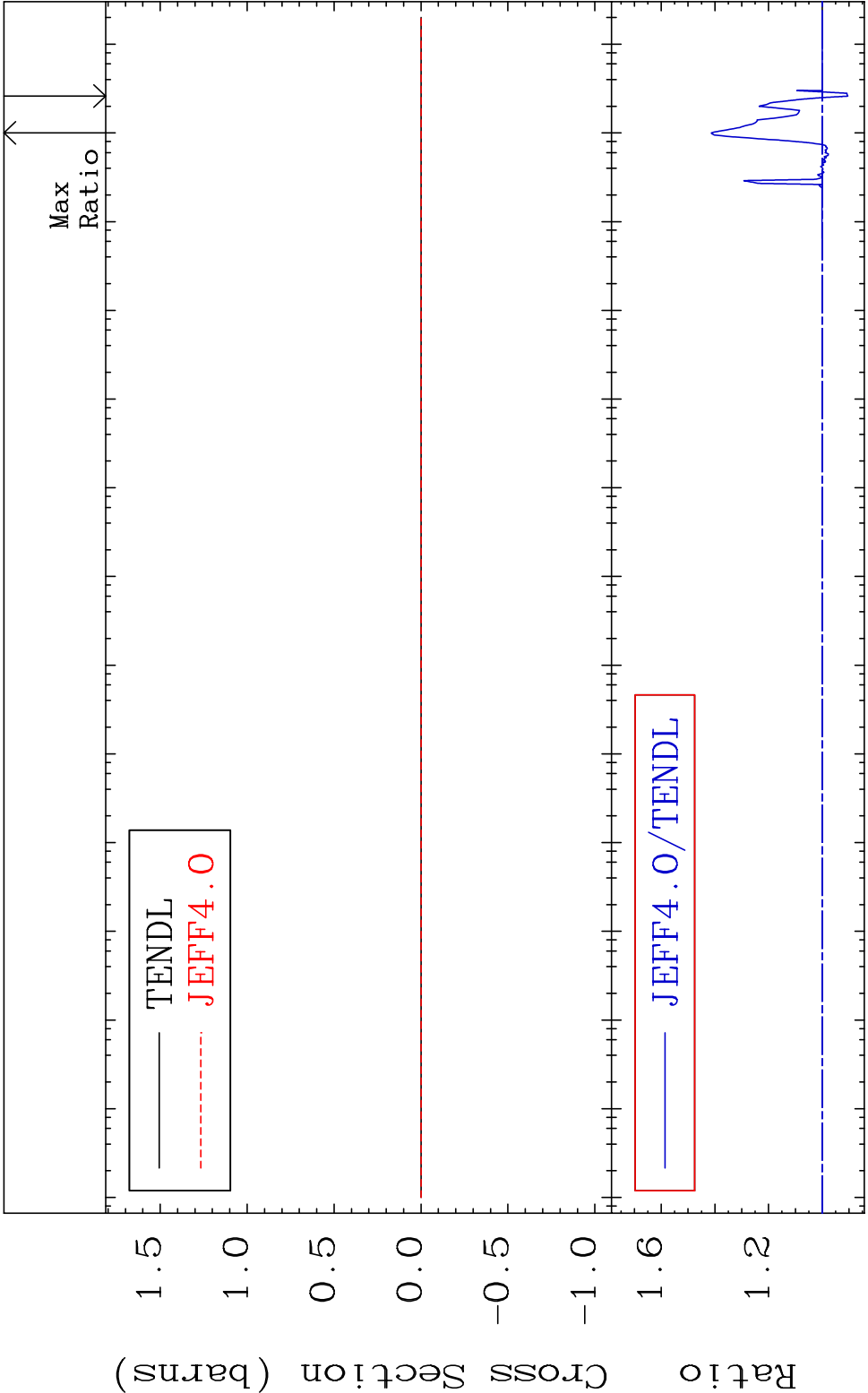


10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

70 Incident Energy (eV) 58-Ce-142



MAT 5843Kerma fission (mt18 or mt19-20-21-38)58-Ce-142
Cross Section -9.525 To 41.33 %

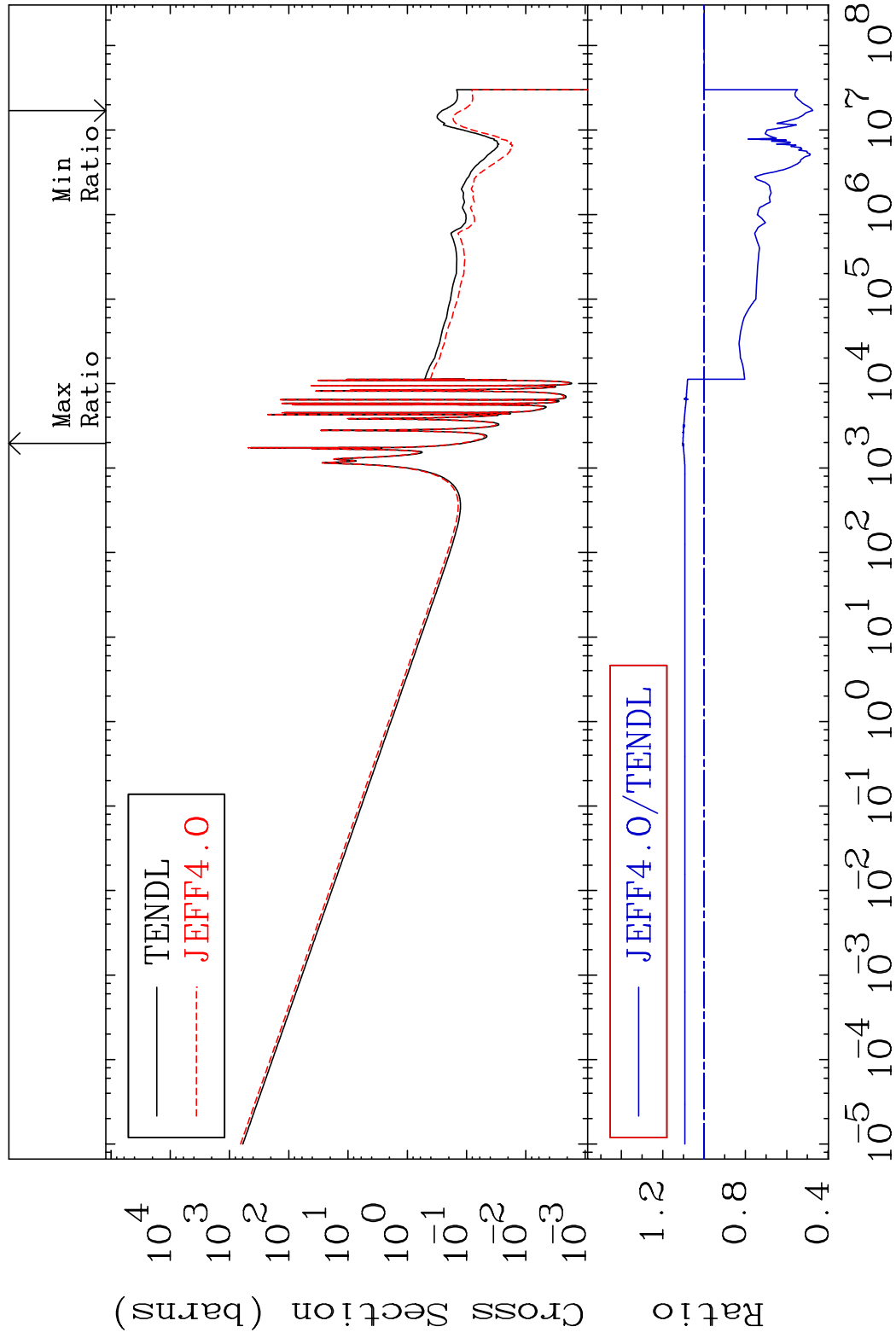


MAT 5843

Kerma capture (mt102)

58-Ce-142

Cross Section -52.57 To 10.32 %

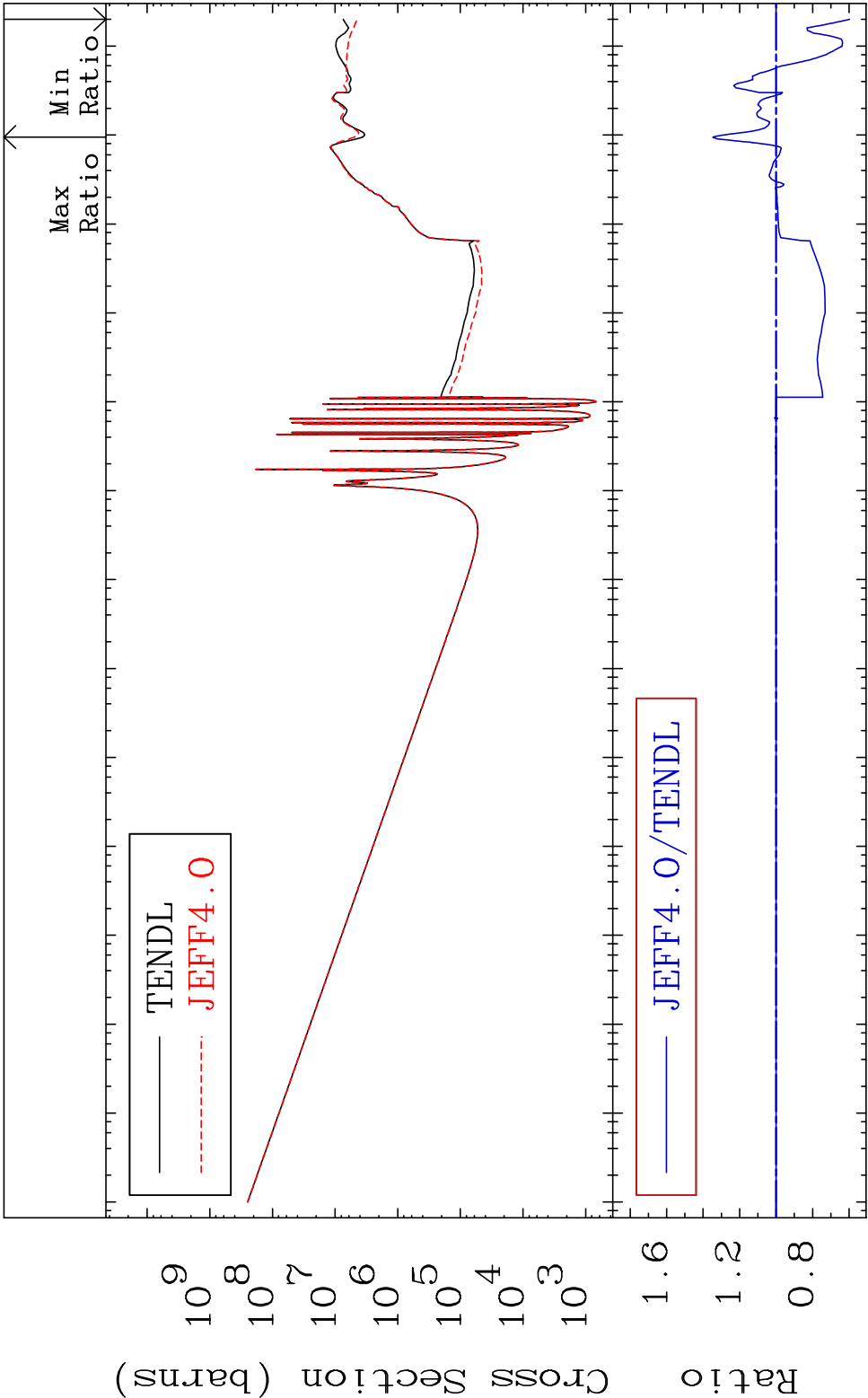


23

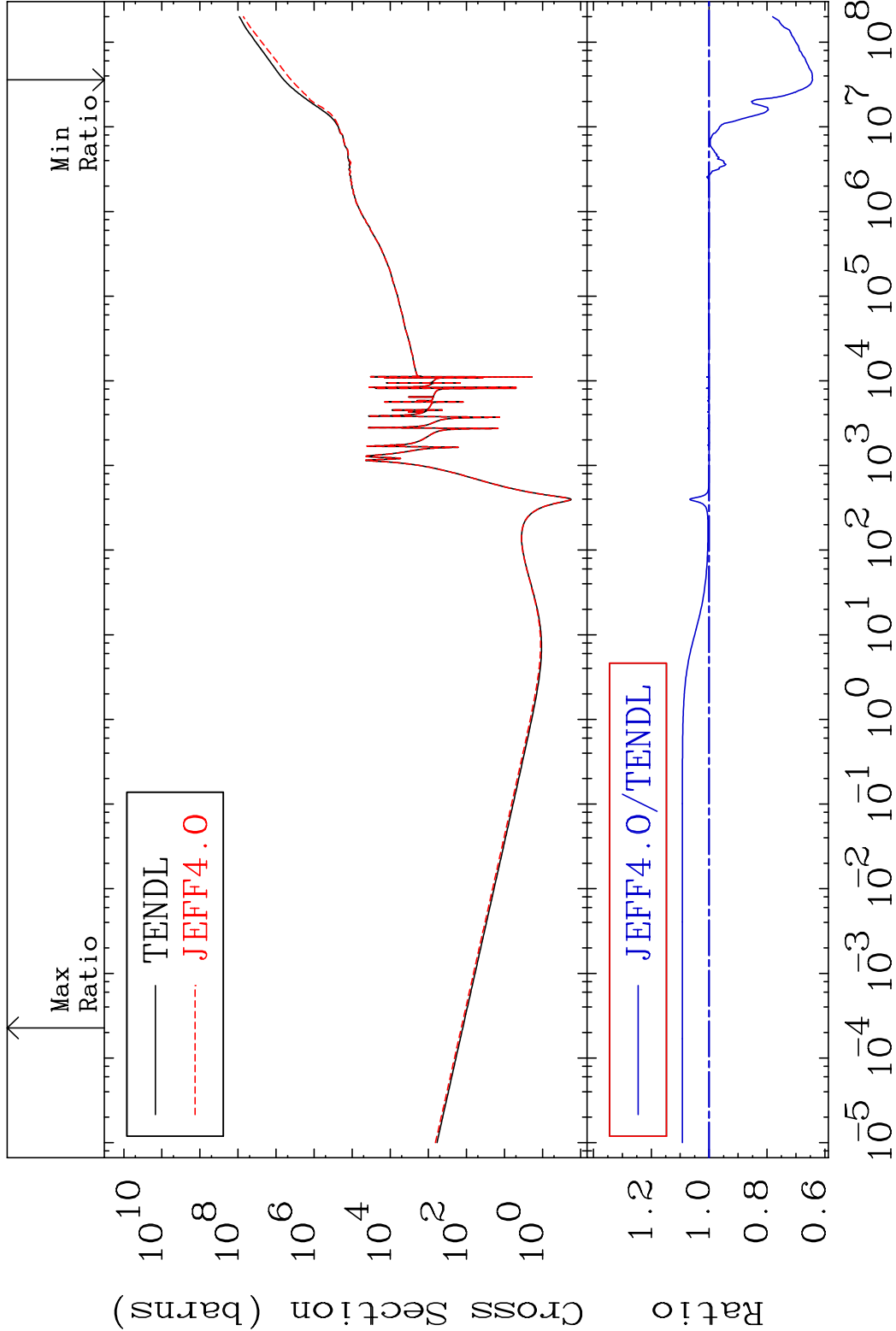
Incident Energy (eV)

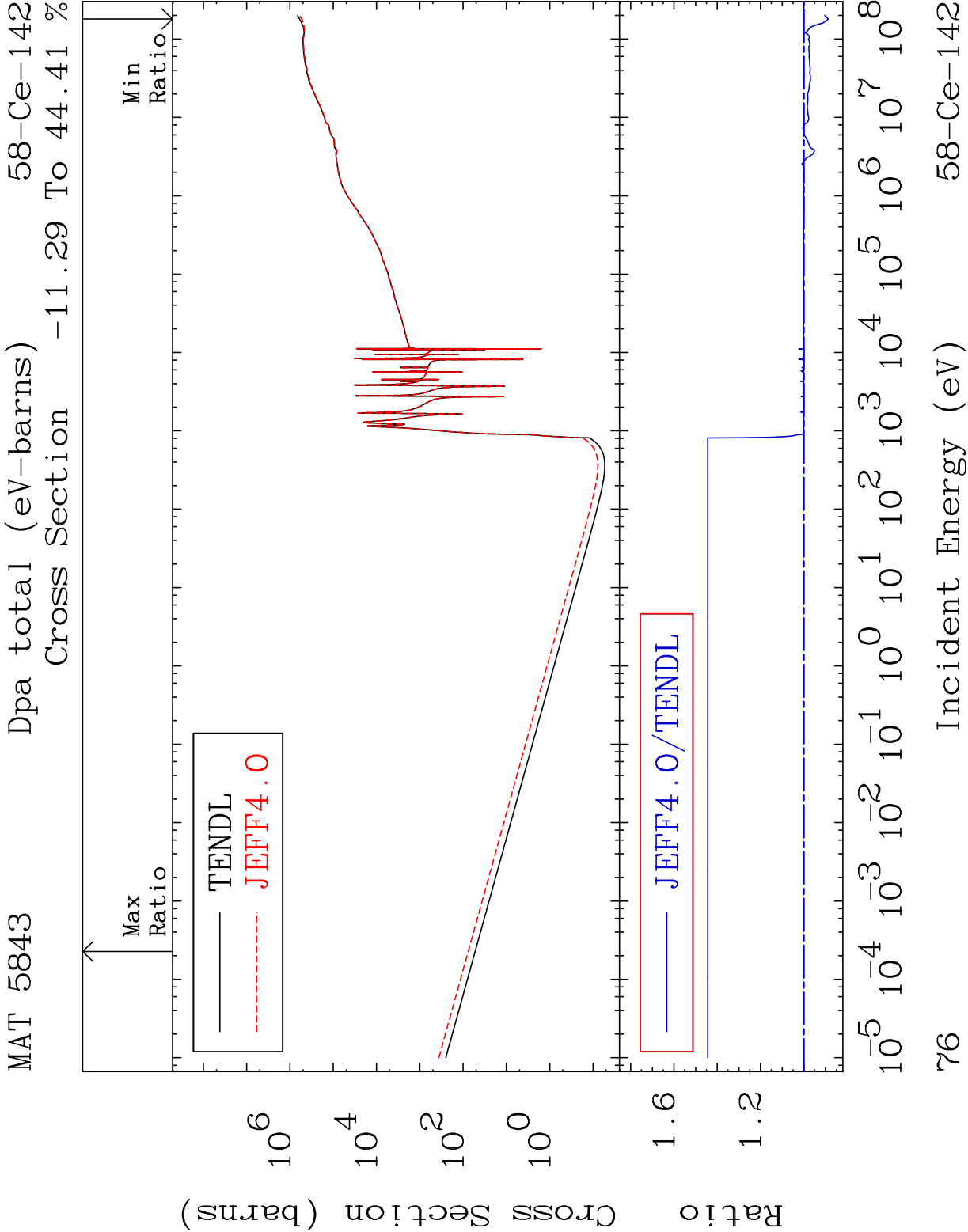
58-Ce-142

MAT 5843 Total photon (eV-barns) 58-Ce-142
Cross Section -40.22 To 34.69 %

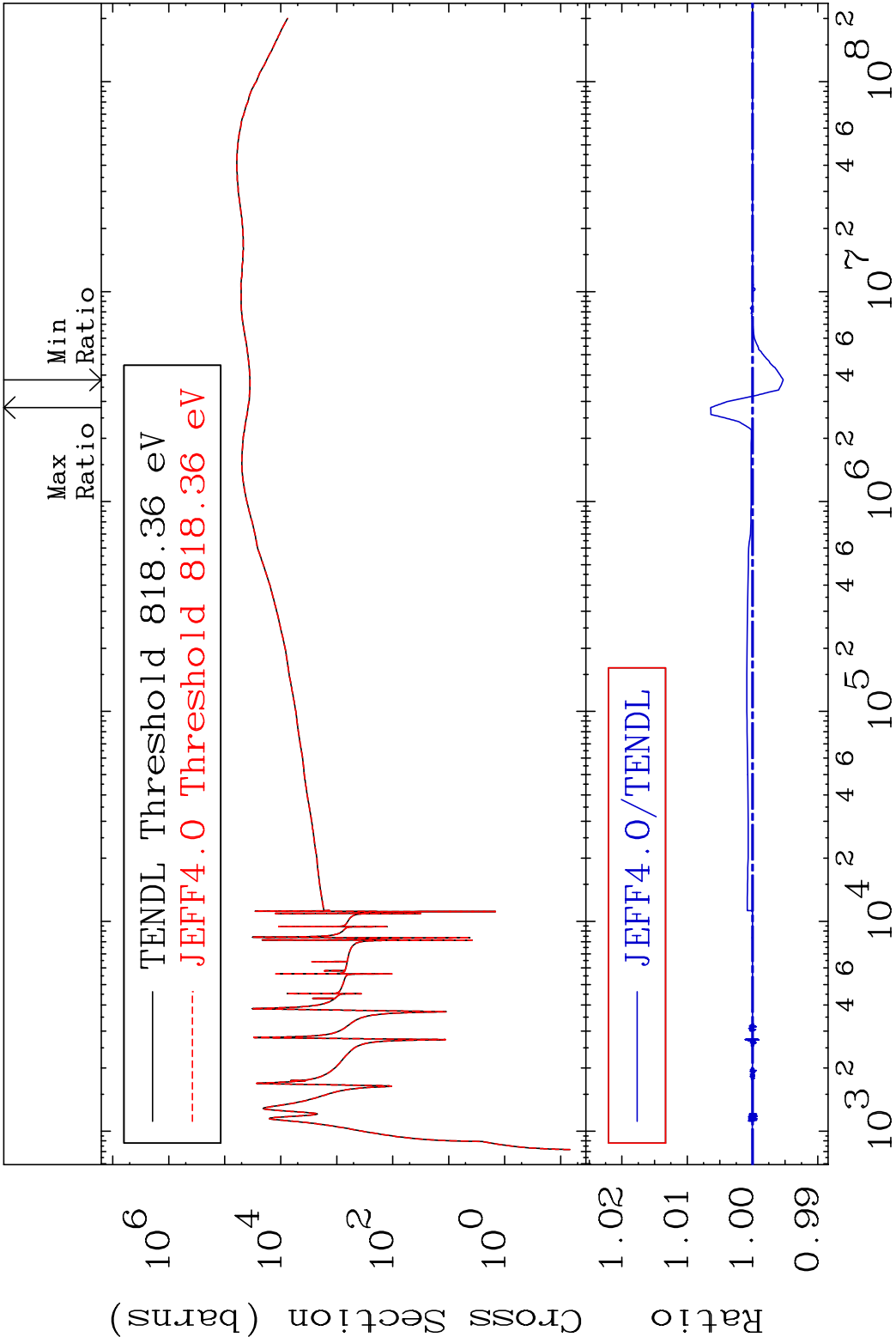


MAT 5843 Total kinematic kerma (high limit) 58-Ce-142
Cross Section -35.75 To 9.263 %

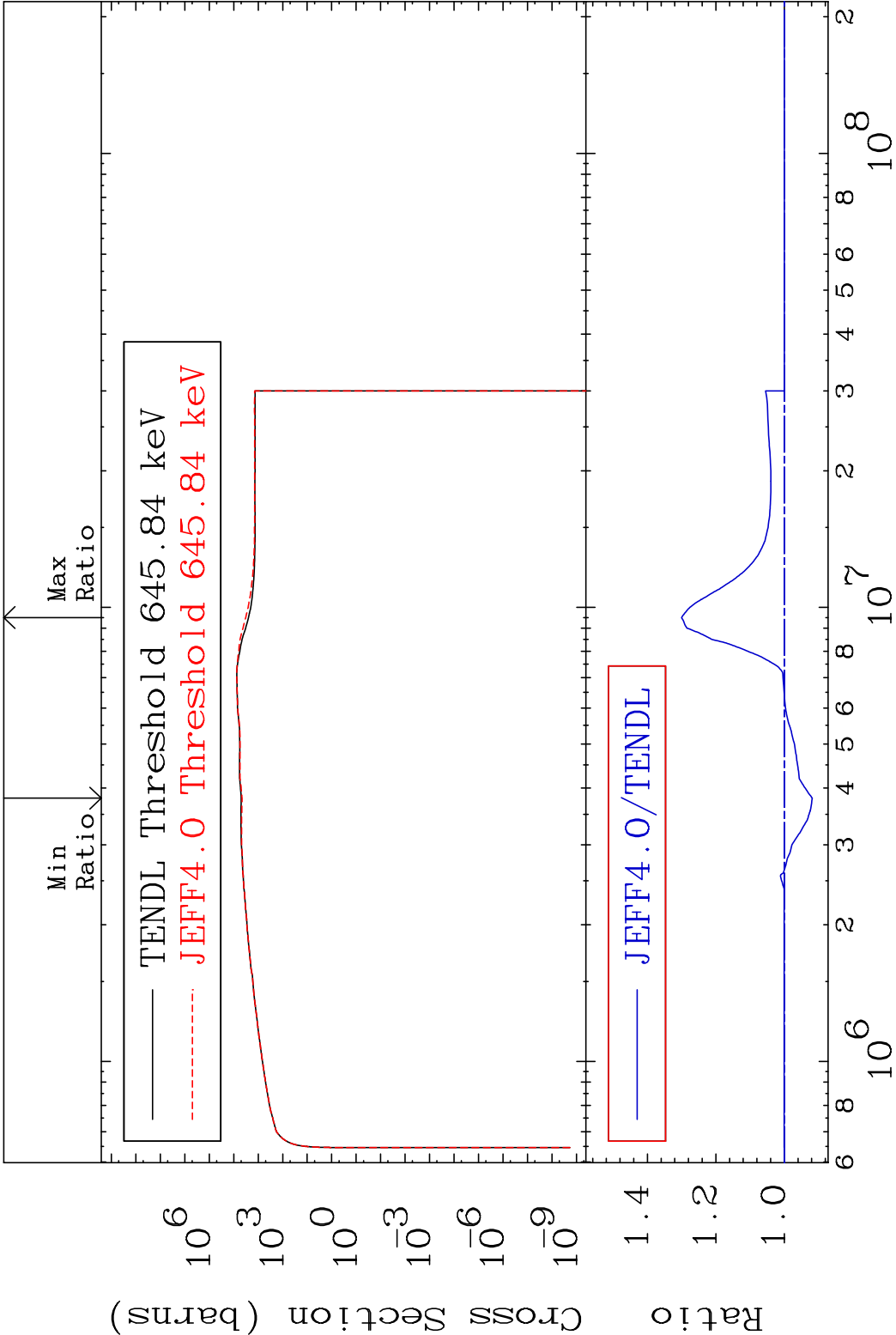




MAT 5843 Dpa elastic (mt2) 58-Ce-142
Cross Section -0.469 To 0.641 %



77 Incident Energy (eV) 58-Ce-142



MAT 5843 Dpa disappearance (mt102 -120) 58-Ce-142
Cross Section -83.25 To 45.57 %

