

Program Complot
(Version 2021-1)

by

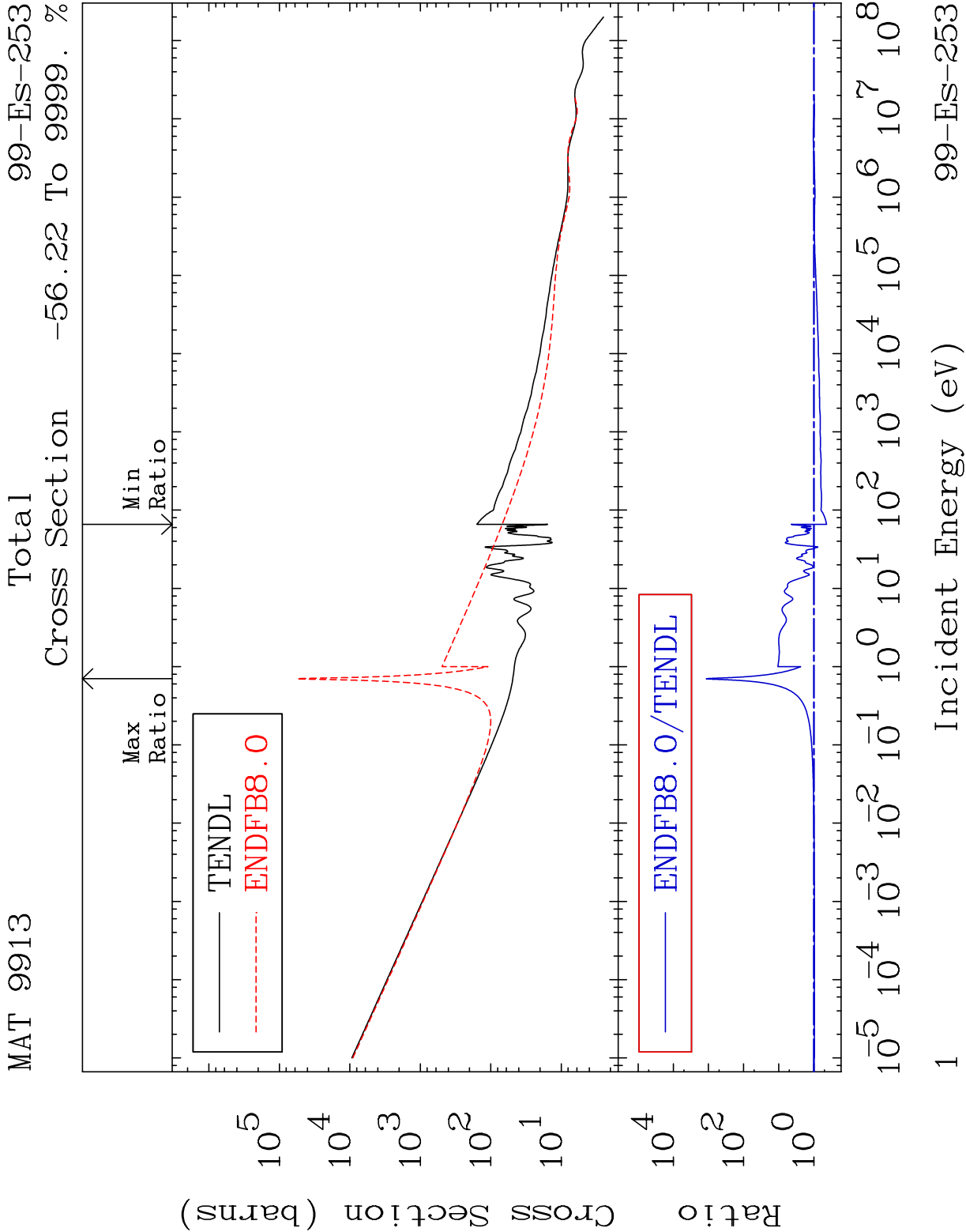
Dermott E. Cullen
(Present Contact Information)

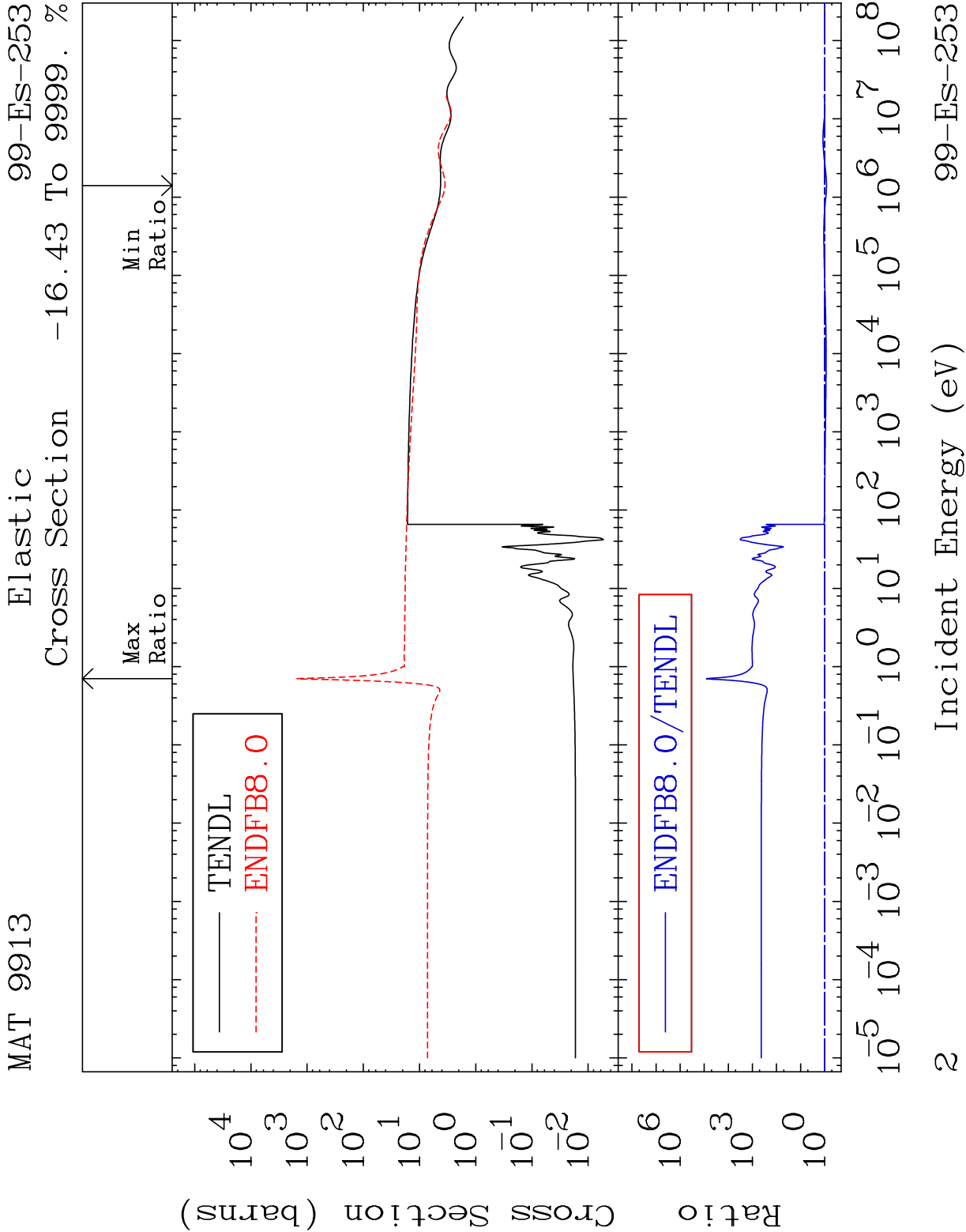
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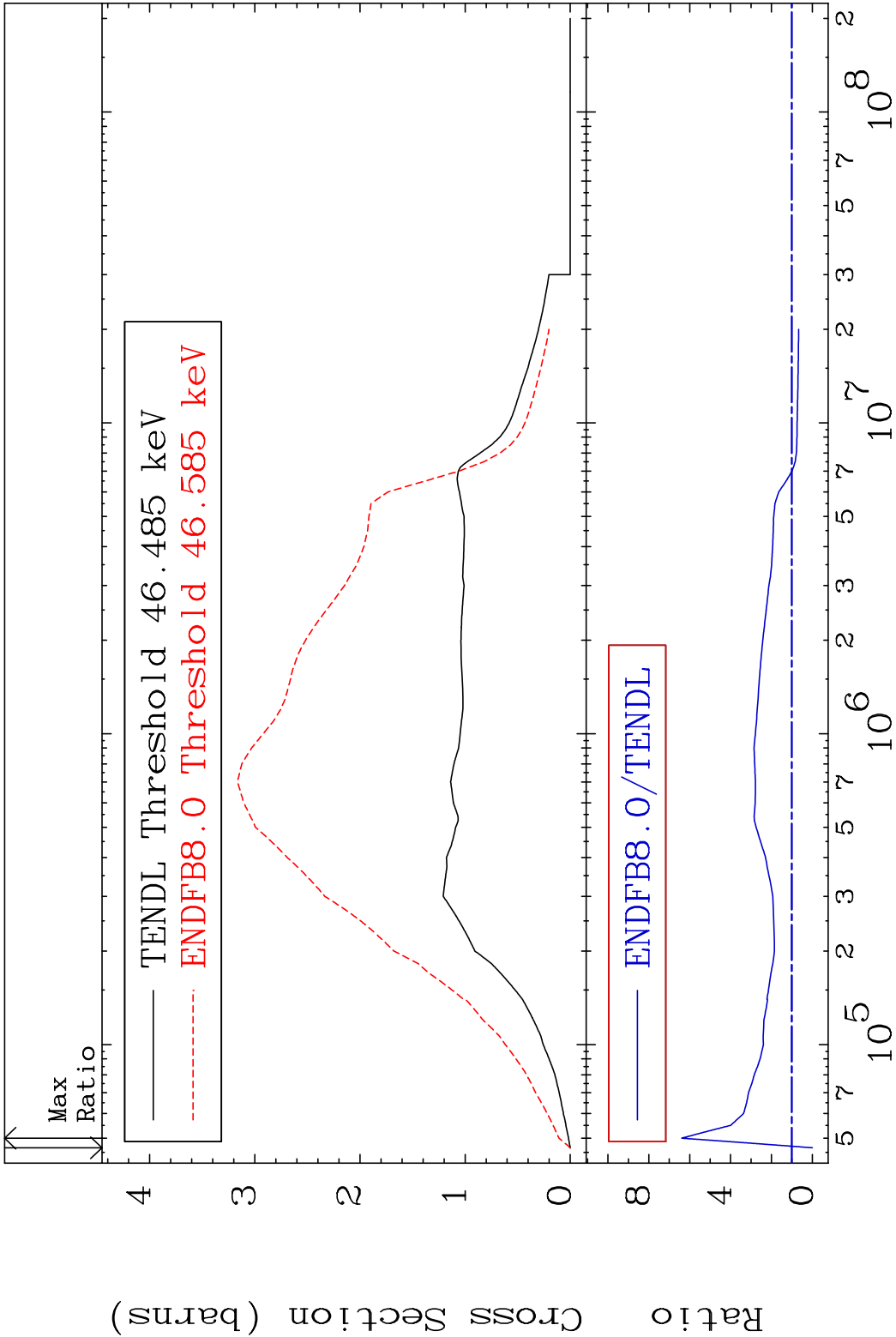
Tele: 925-443-1911

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Press Mouse Button to Start





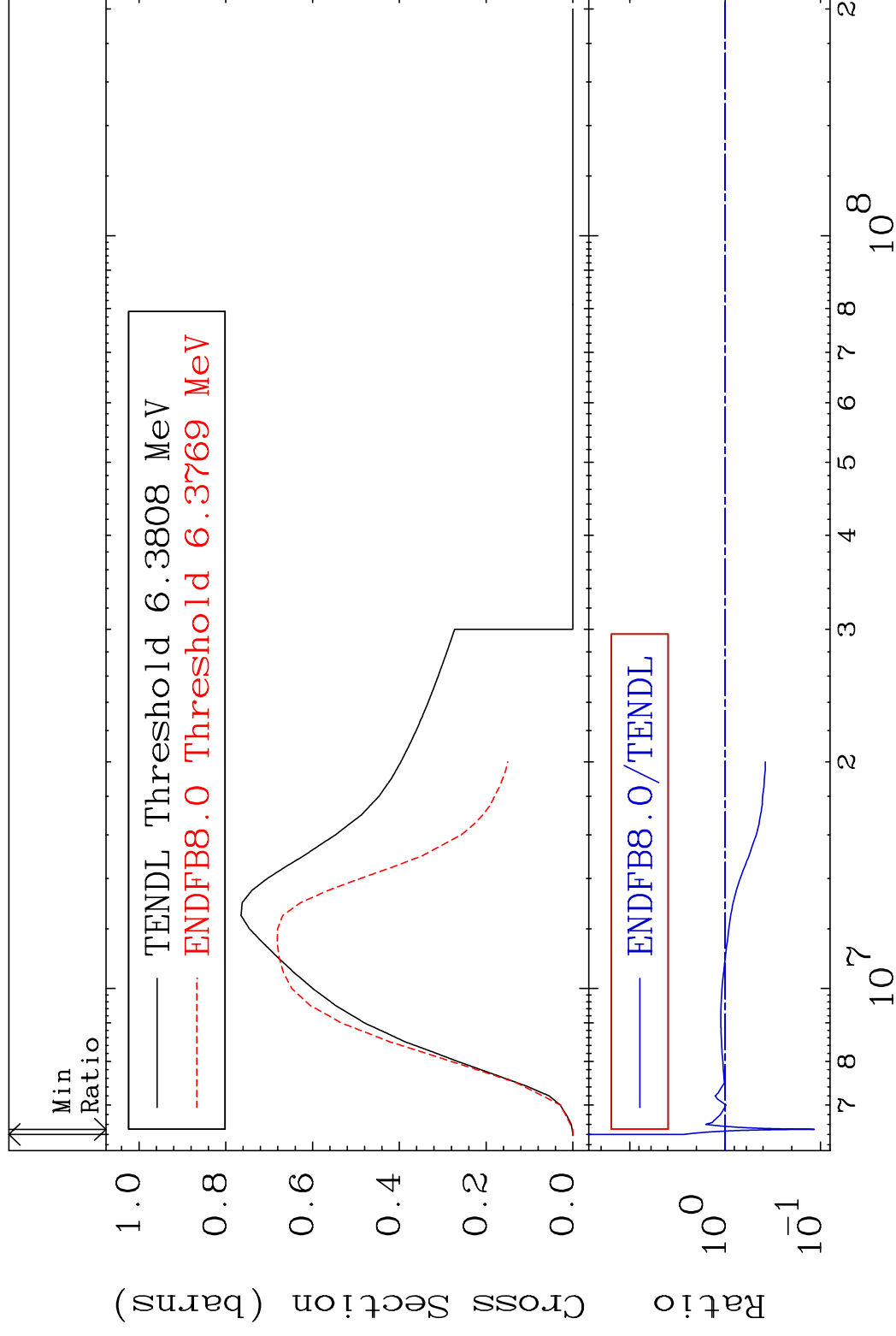


MAT 9913

$$(n, 2n)$$

99-ES-253

Cross Section -88.38 To 169.6 %



TENDL Threshold 6.3808 MeV

ENDFB8.0 Threshold 6.3769 MeV

ENDFB8.0/TENDL

4

Incident Energy (eV)

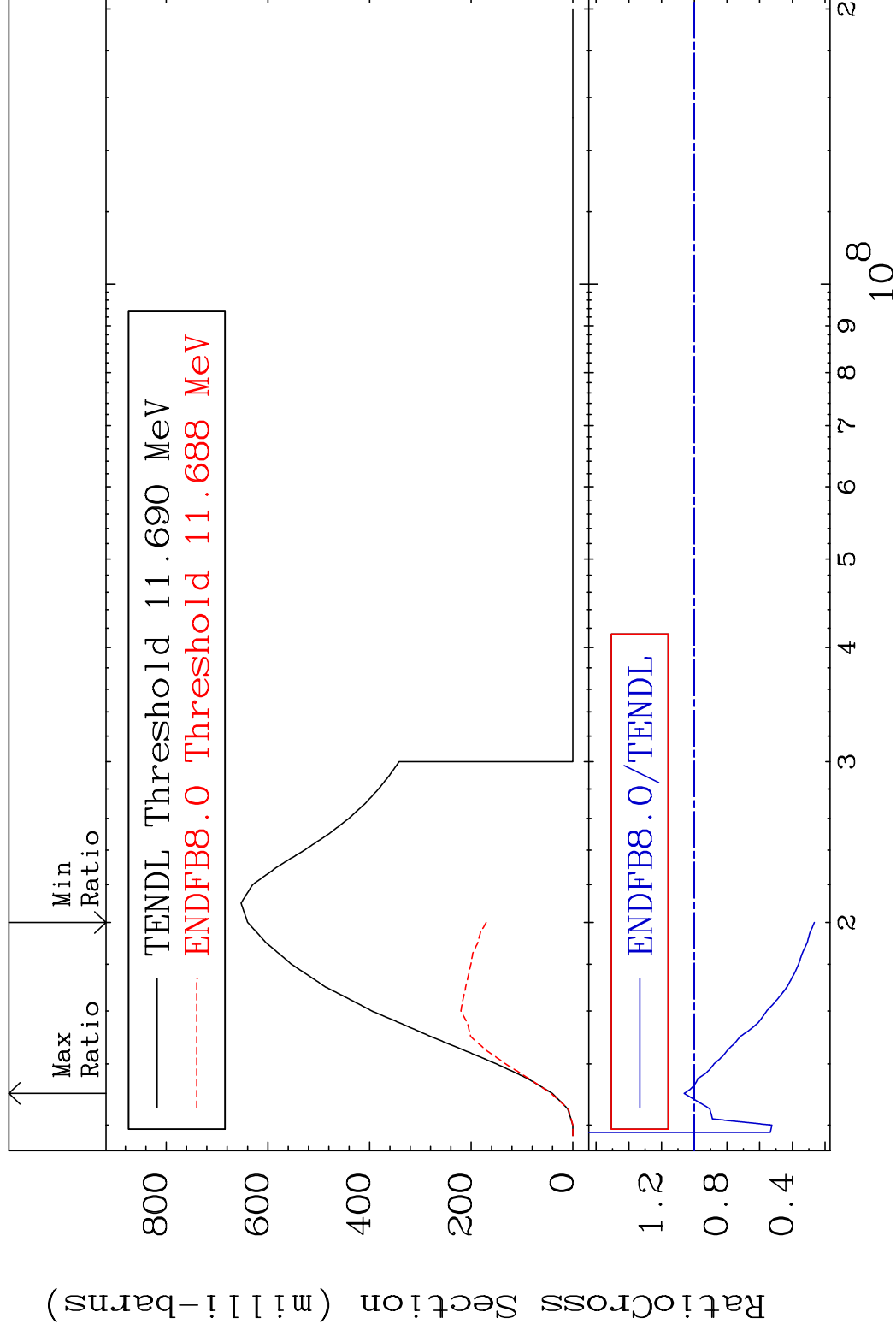
99-ES-253

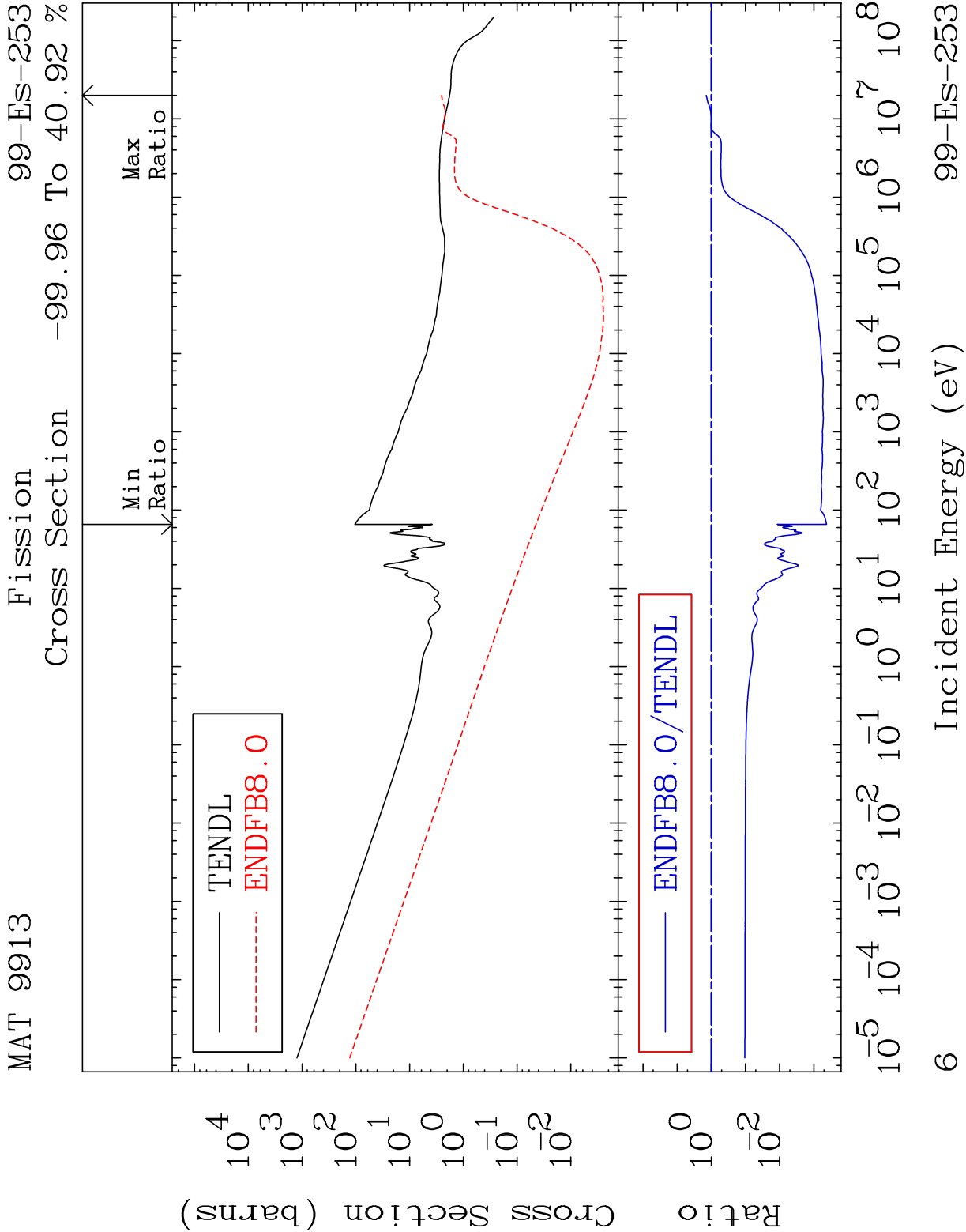
MAT 9913

$$(n, 3n)$$

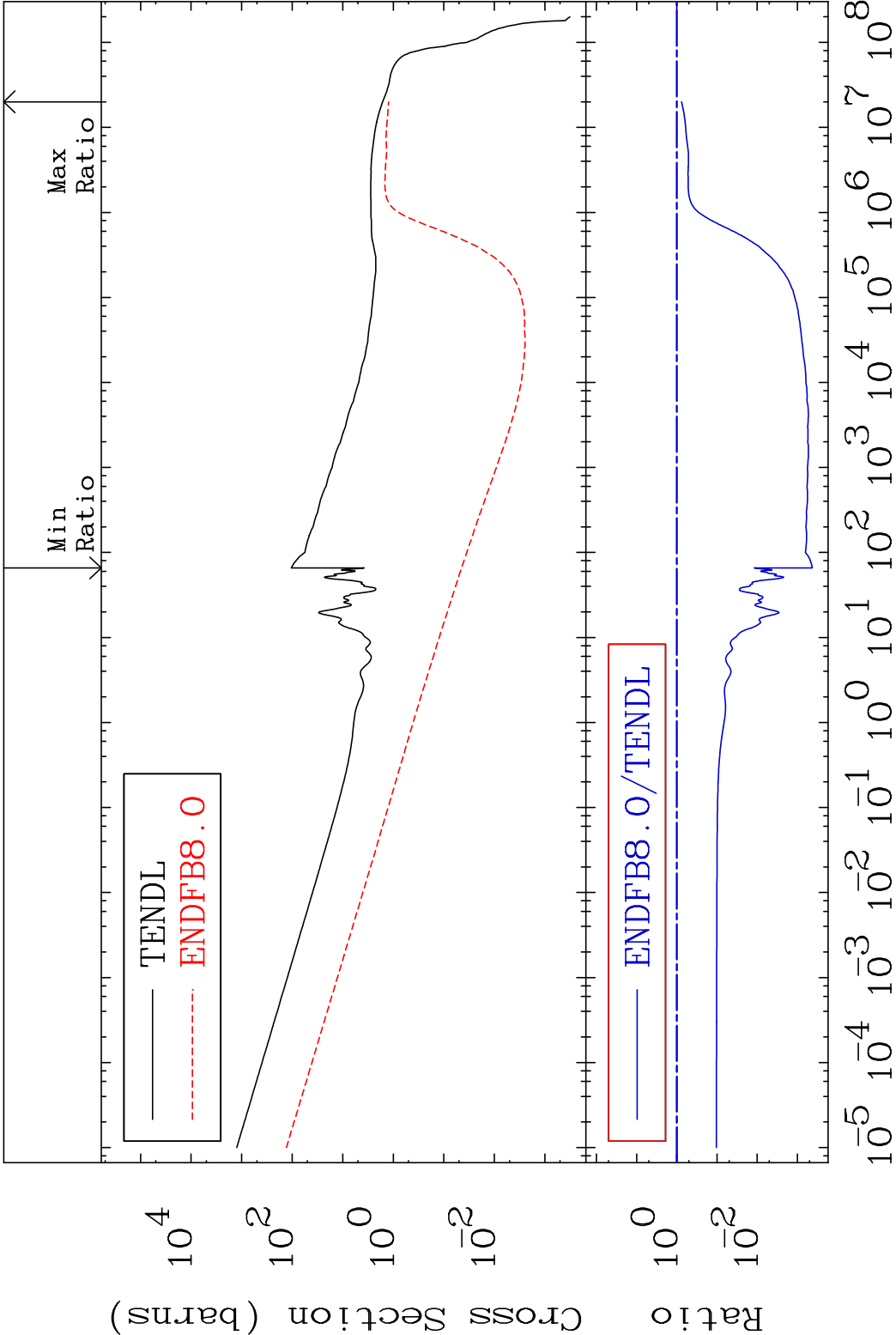
99-ES-253

Cross Section -73.37 To 6.226 %

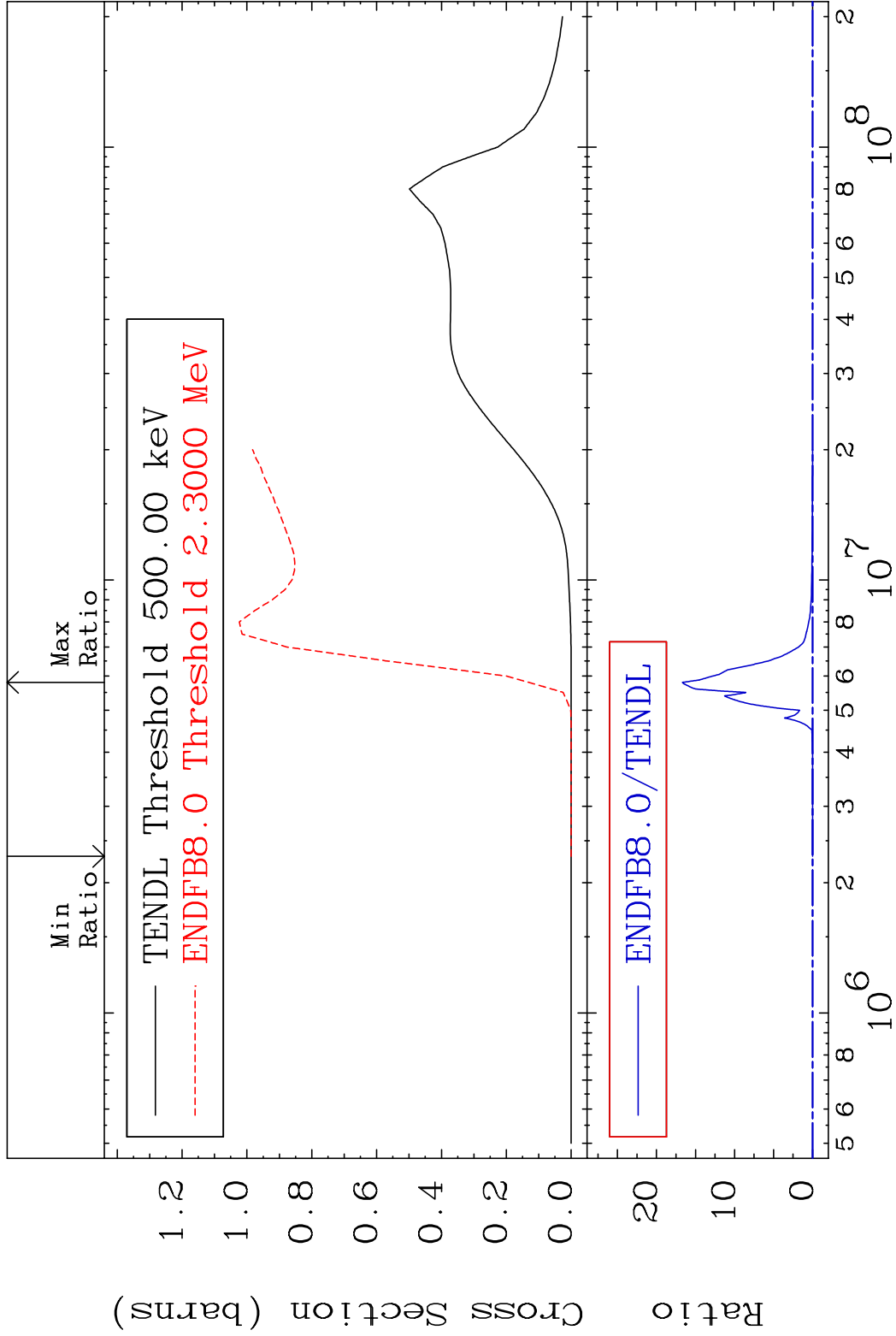


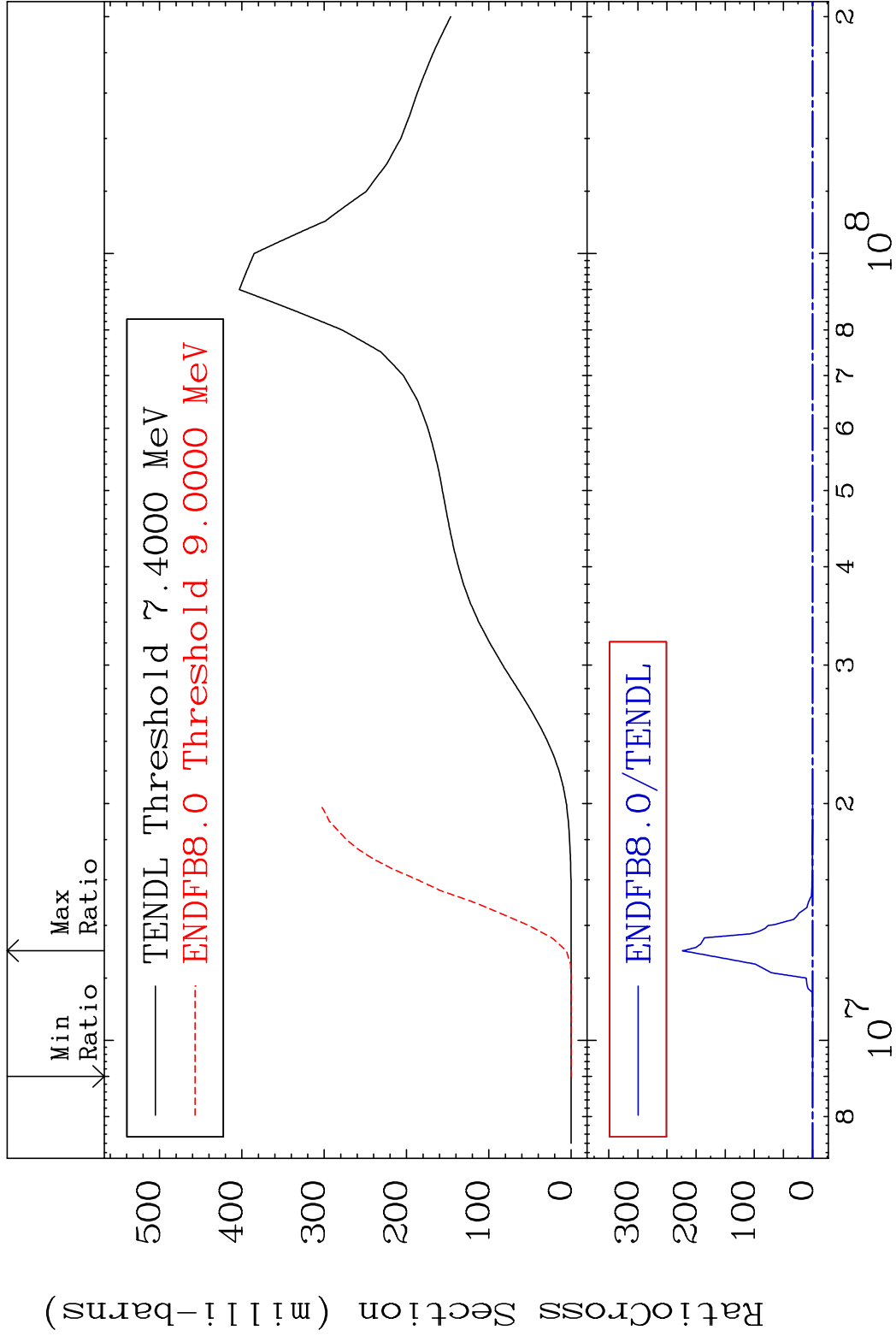


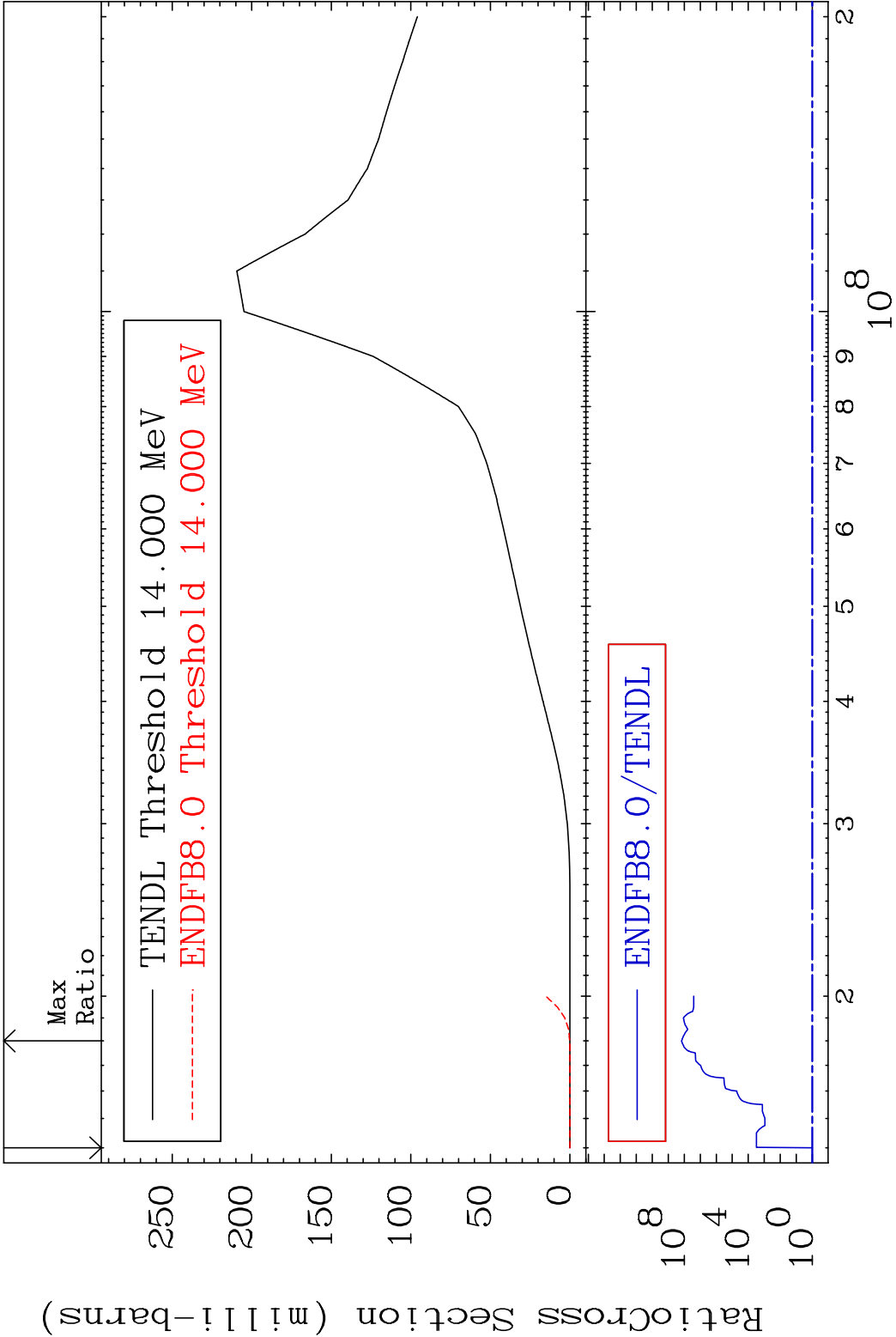
MAT 9913 (n,f) First Chance 99-Es-253
Cross Section -99.96 To -23.54%



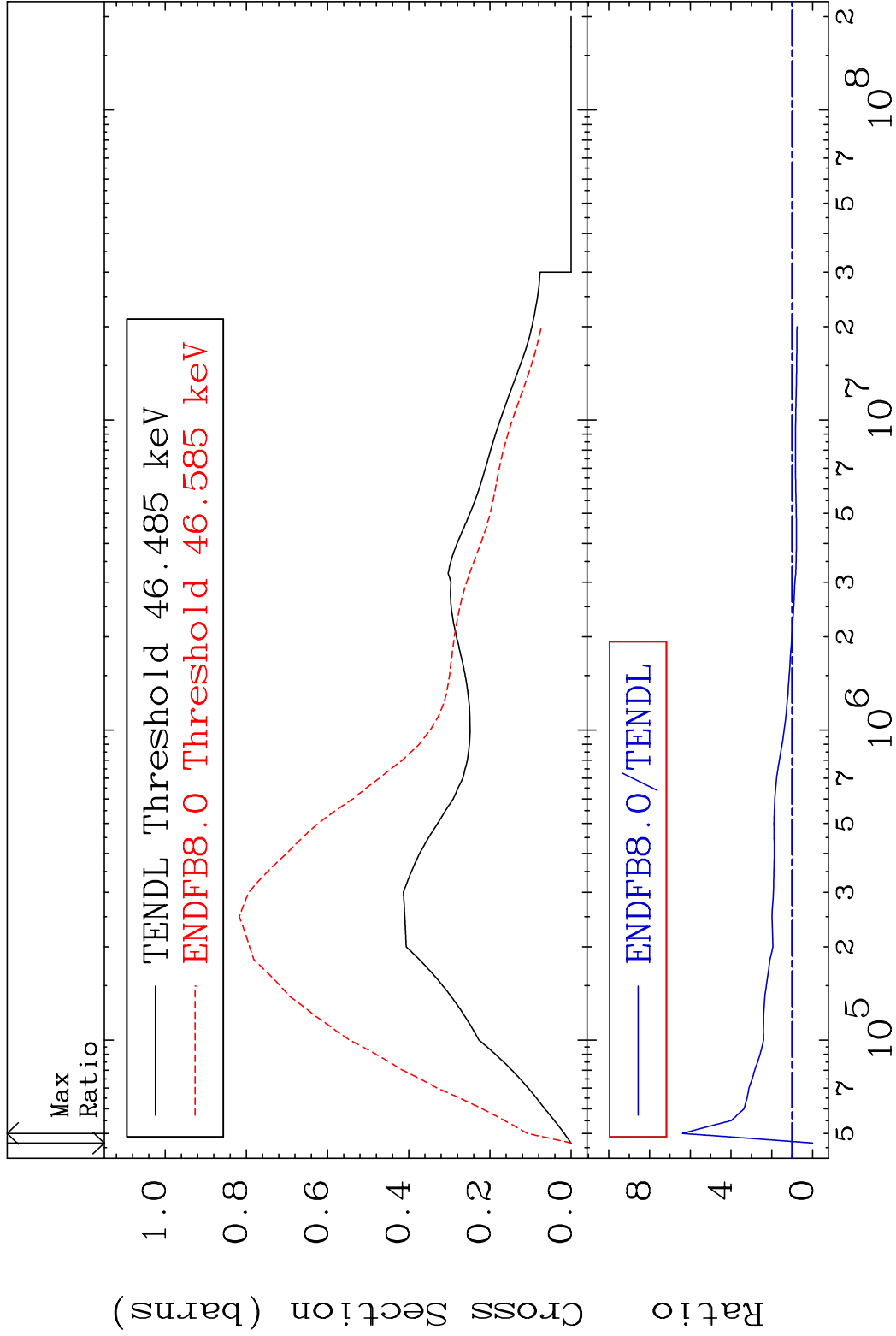
7 Incident Energy (eV) 99-Es-253



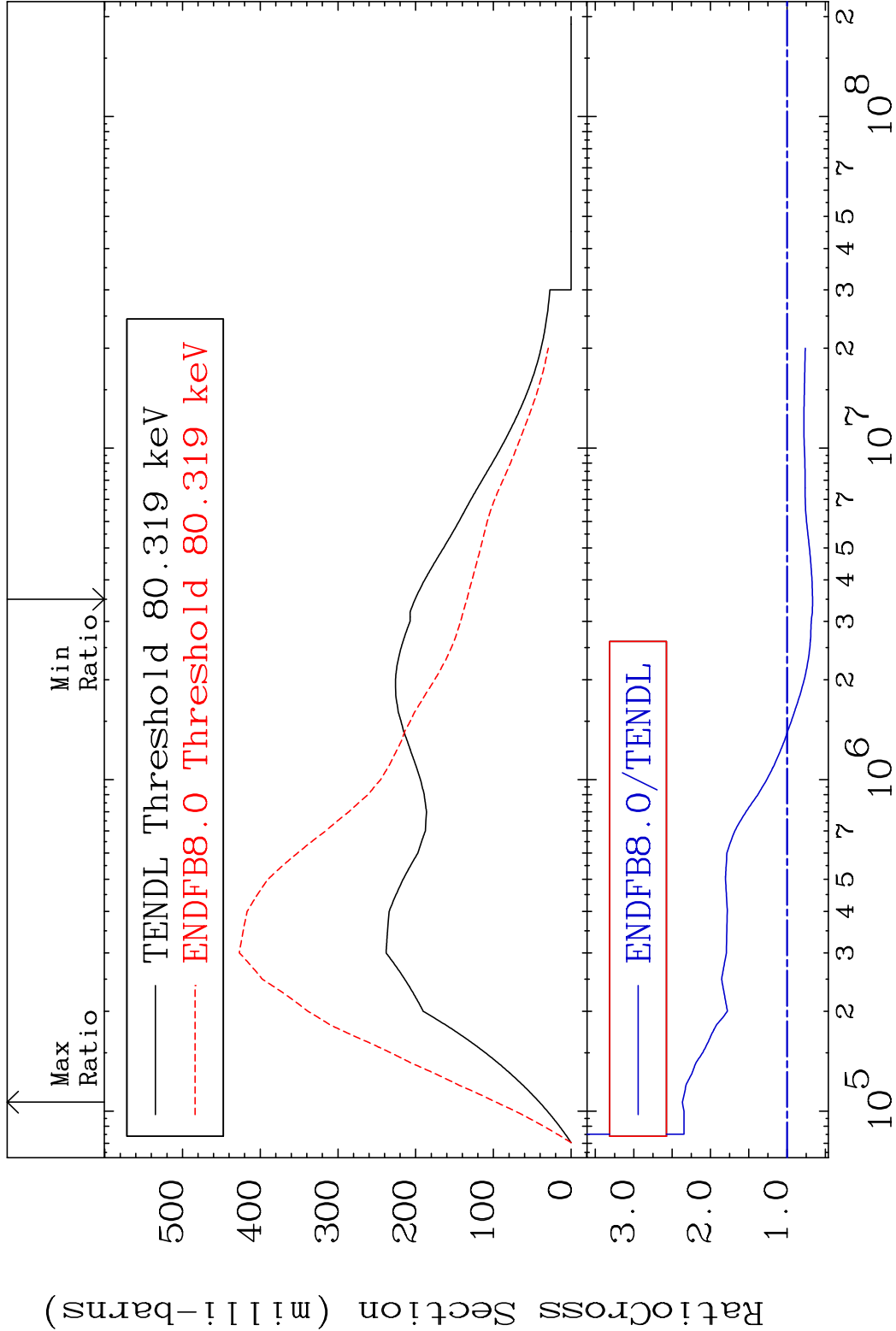




MAT 9913 MT= 51 (n,n') Level 99-Es-253
Cross Section -100.0 To 539.1 %

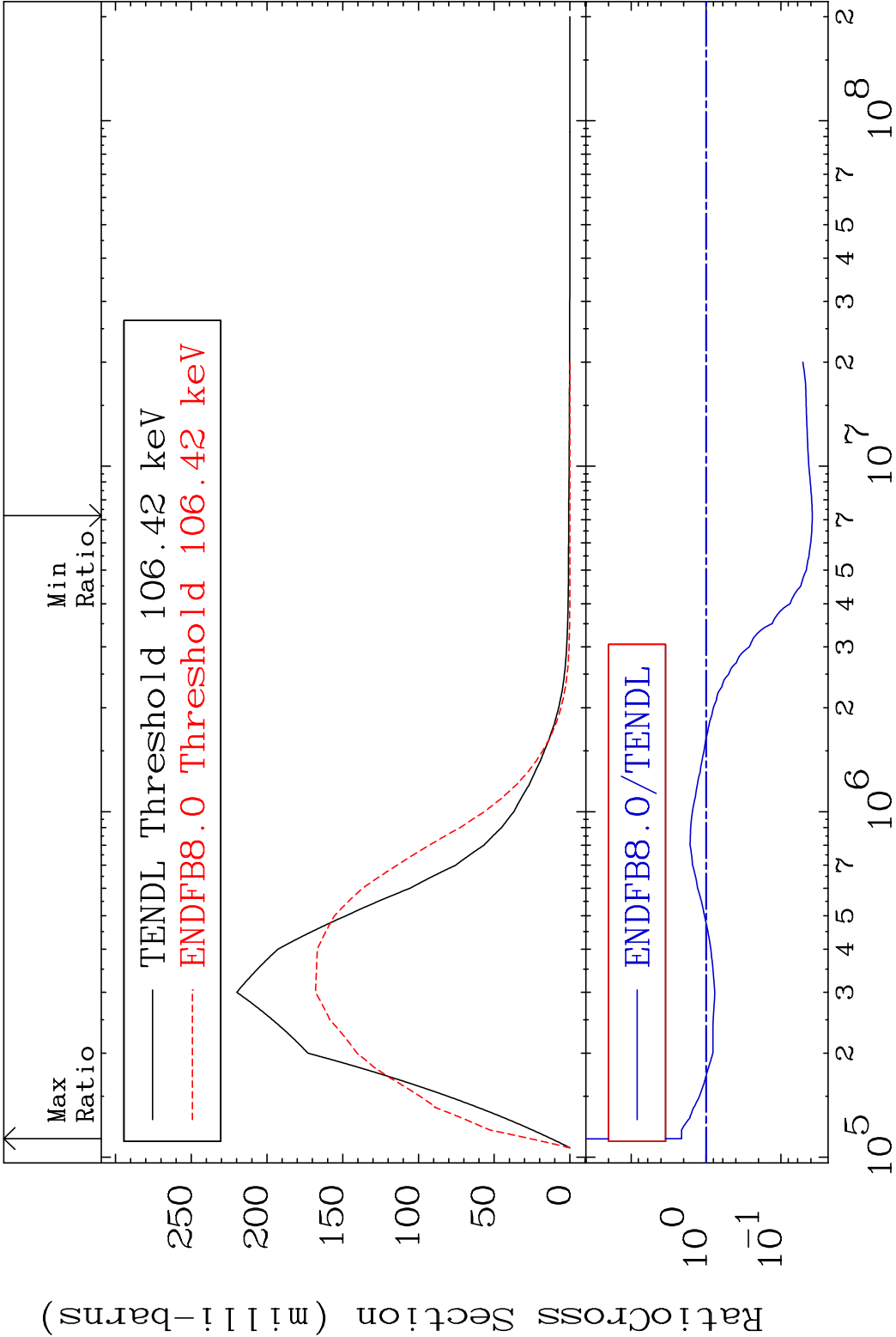


MAT 9913 MT= 52 (n,n') Level 99-Es-253
Cross Section -33.16 To 136.6 %



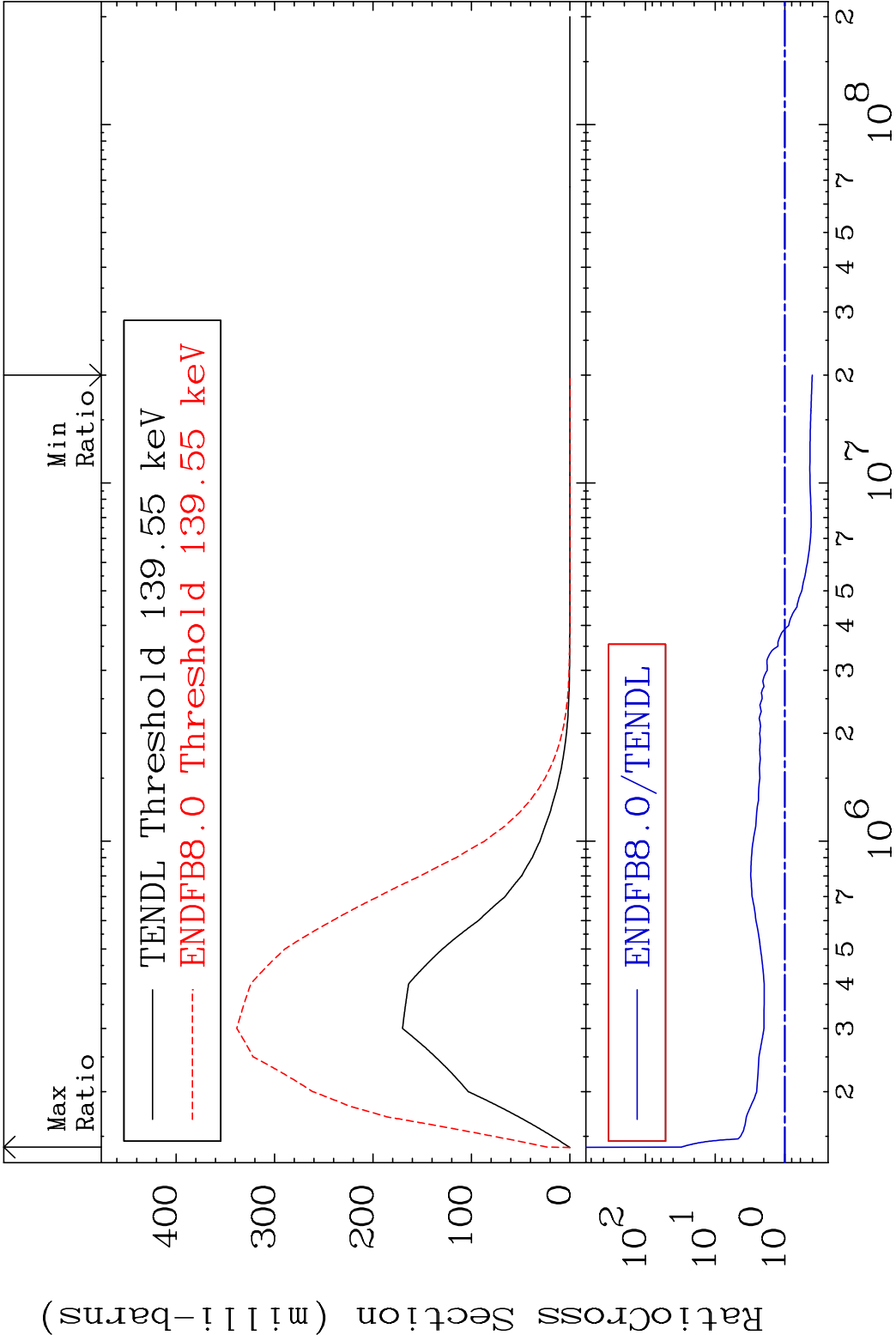
13 Incident Energy (eV) 99-Es-253

MAT 9913 MT= 53 (n,n') Level 99-Es-253
Cross Section -96.17 To 112.6 %



14 Incident Energy (eV) 99-Es-253

MAT 9913 MT= 54 (n,n') Level 99-Es-253
Cross Section -59.54 To 2934. %



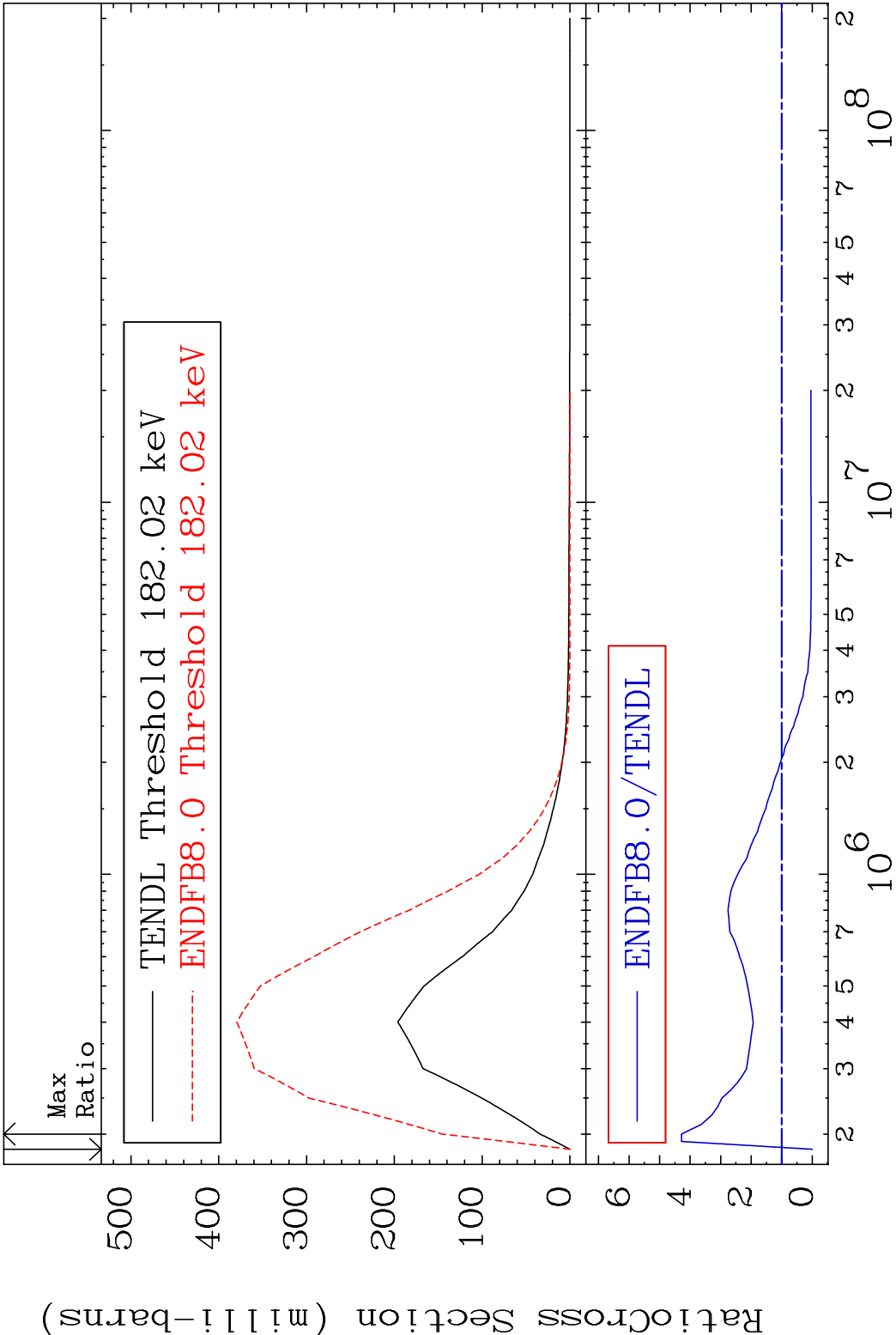
MAT 9913

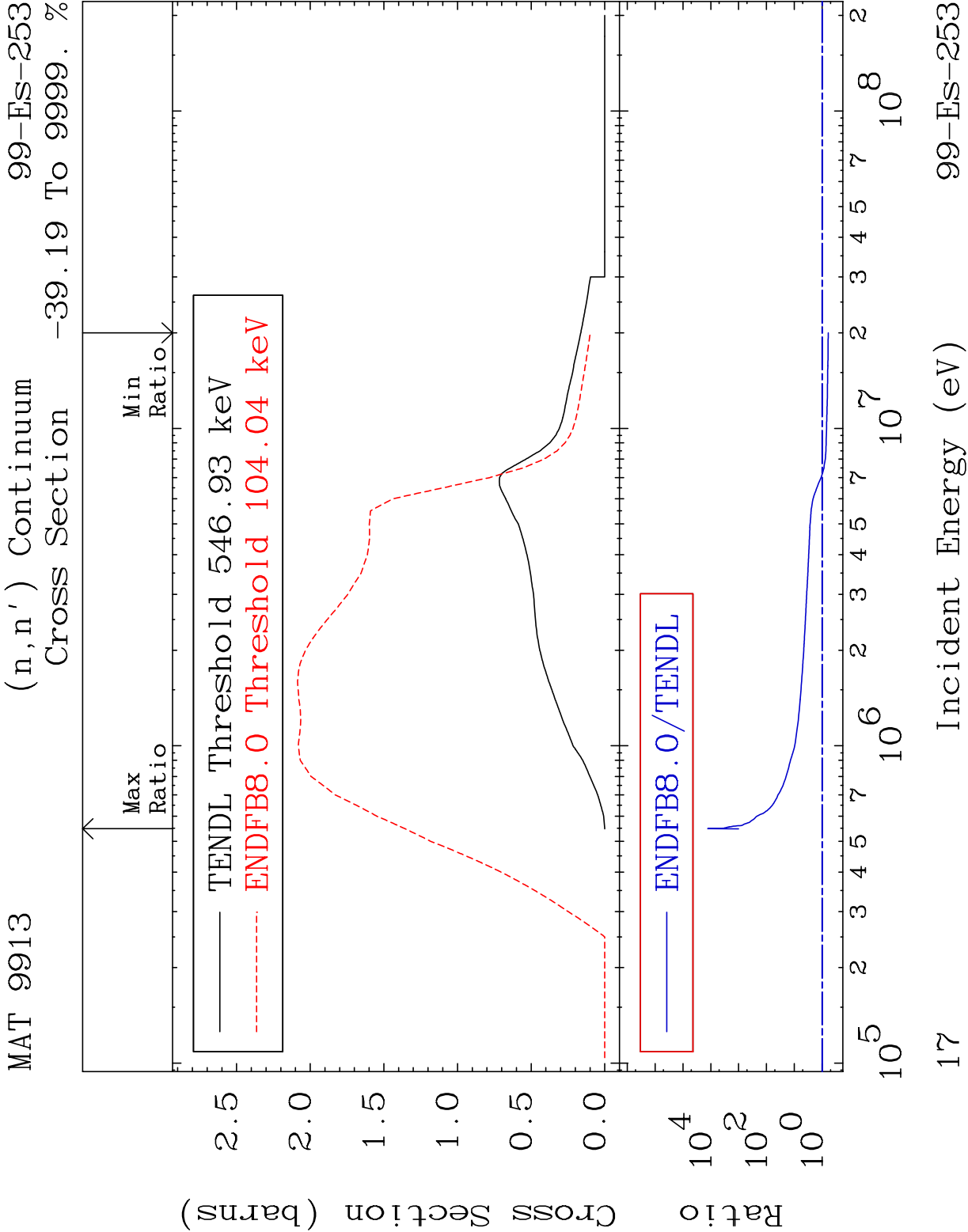
MT= 55 (n,n') Level

99-Es-253

Cross Section

-100.0 To 328.2 %



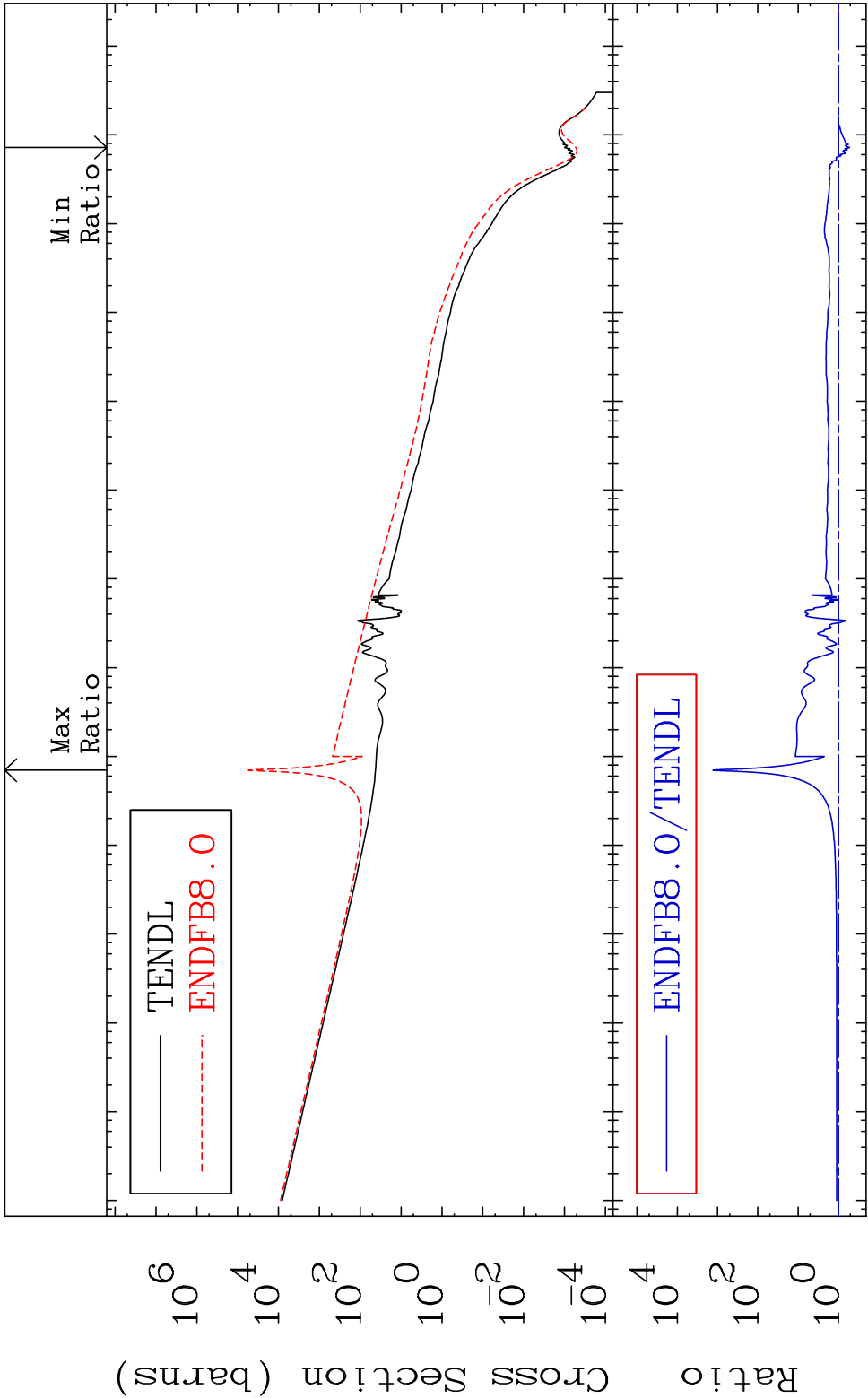


MAT 9913

(n, γ)

99-Es-253

Cross Section -47.40 To 9999. %



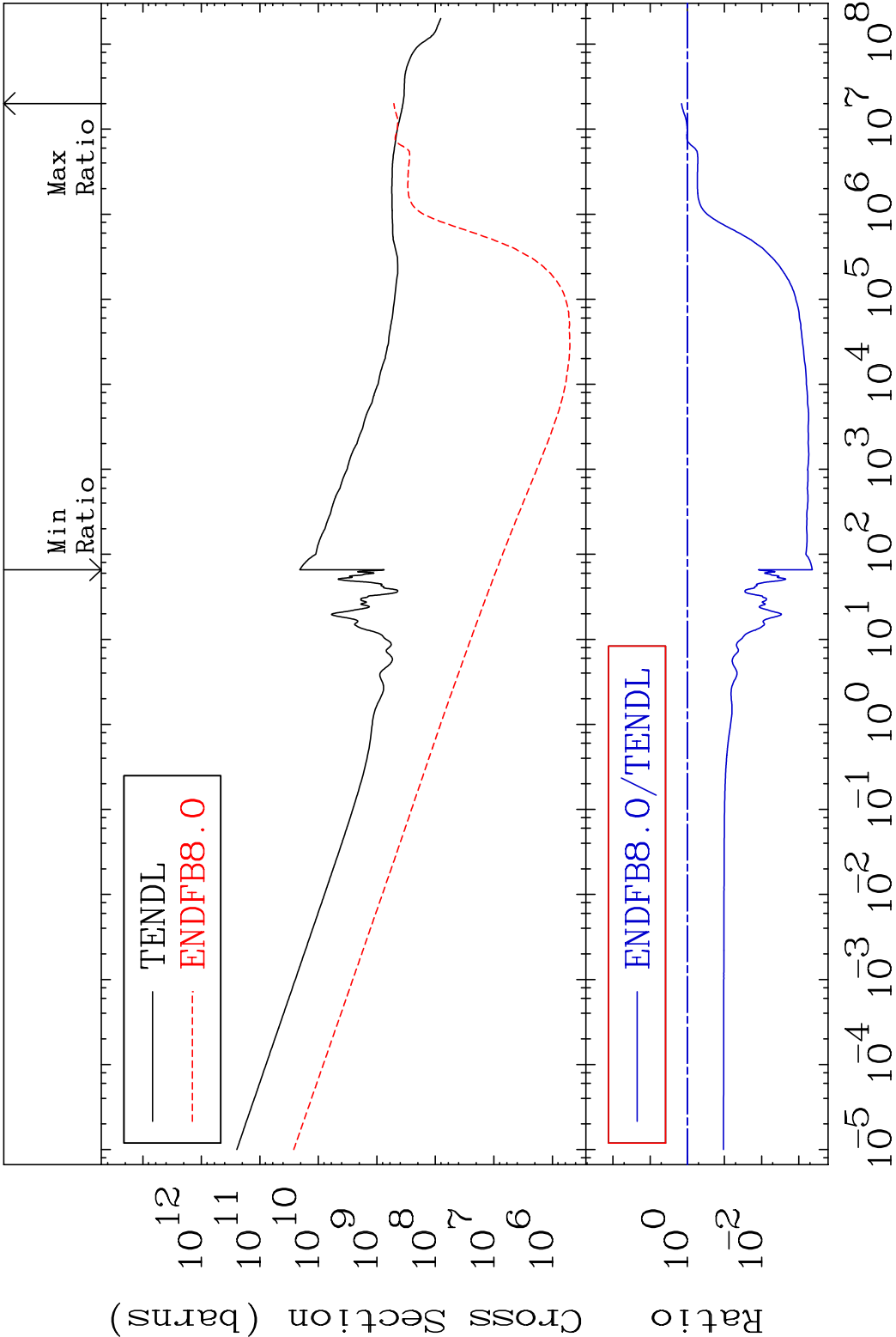
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

18

Incident Energy (eV)

99-Es-253

MAT 9913 Kerma total (eV-barns) 99-Es-253
Cross Section -99.96 To 42.69 %



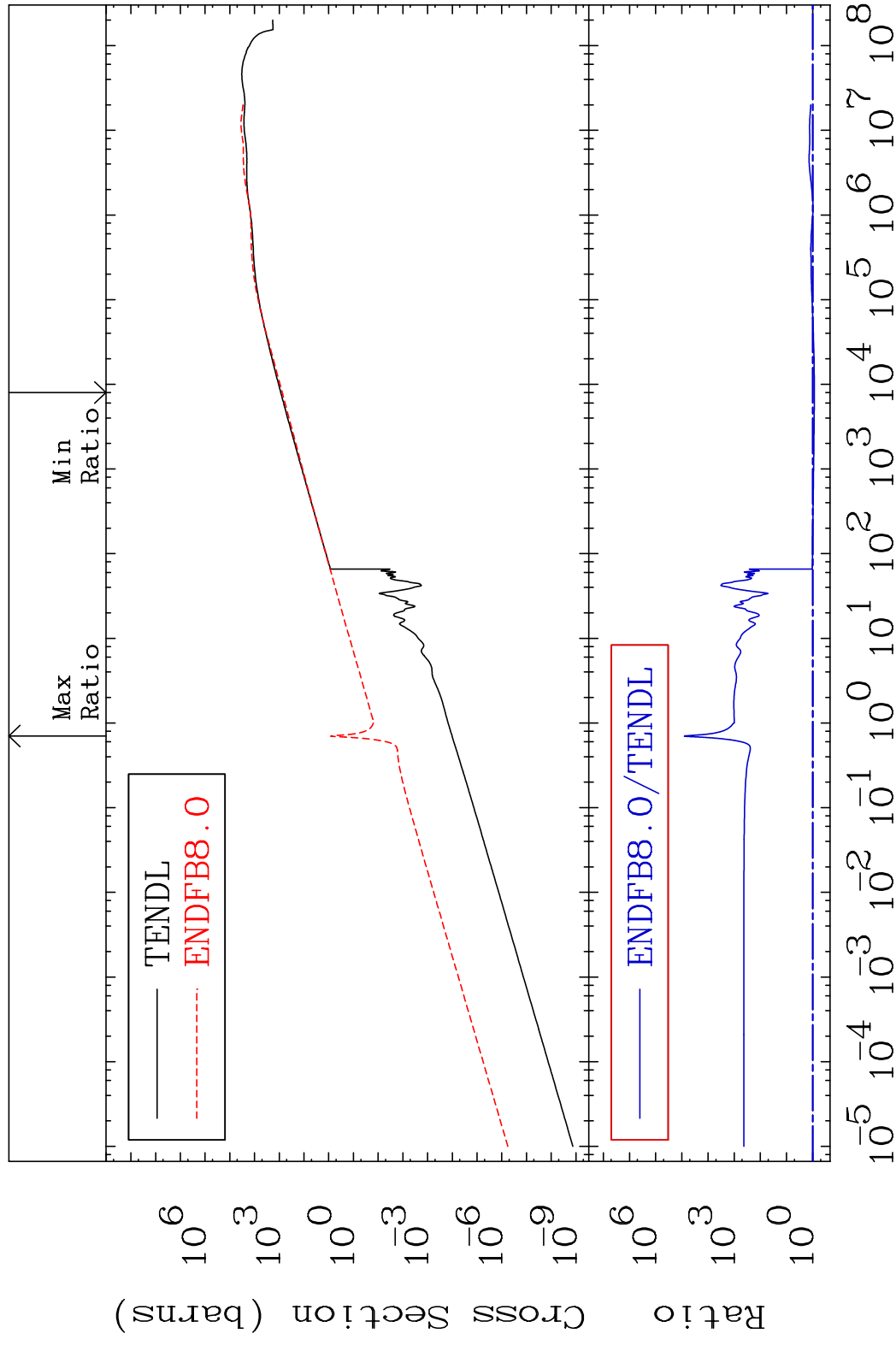
19 Incident Energy (eV) 99-Es-253

MAT 9913

Kerma elastic

99-ES-253

Cross Section -12.71 To 9999. %

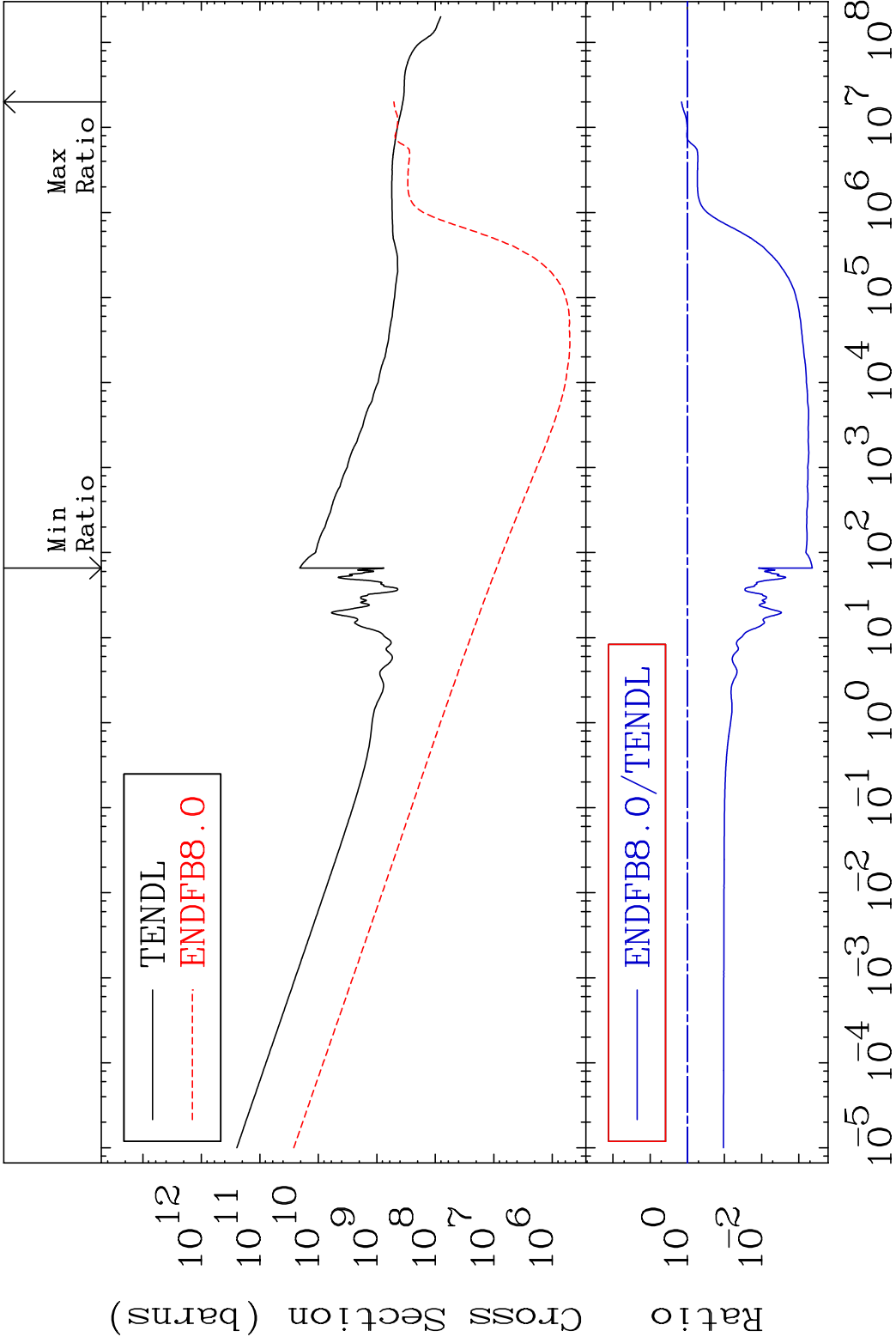


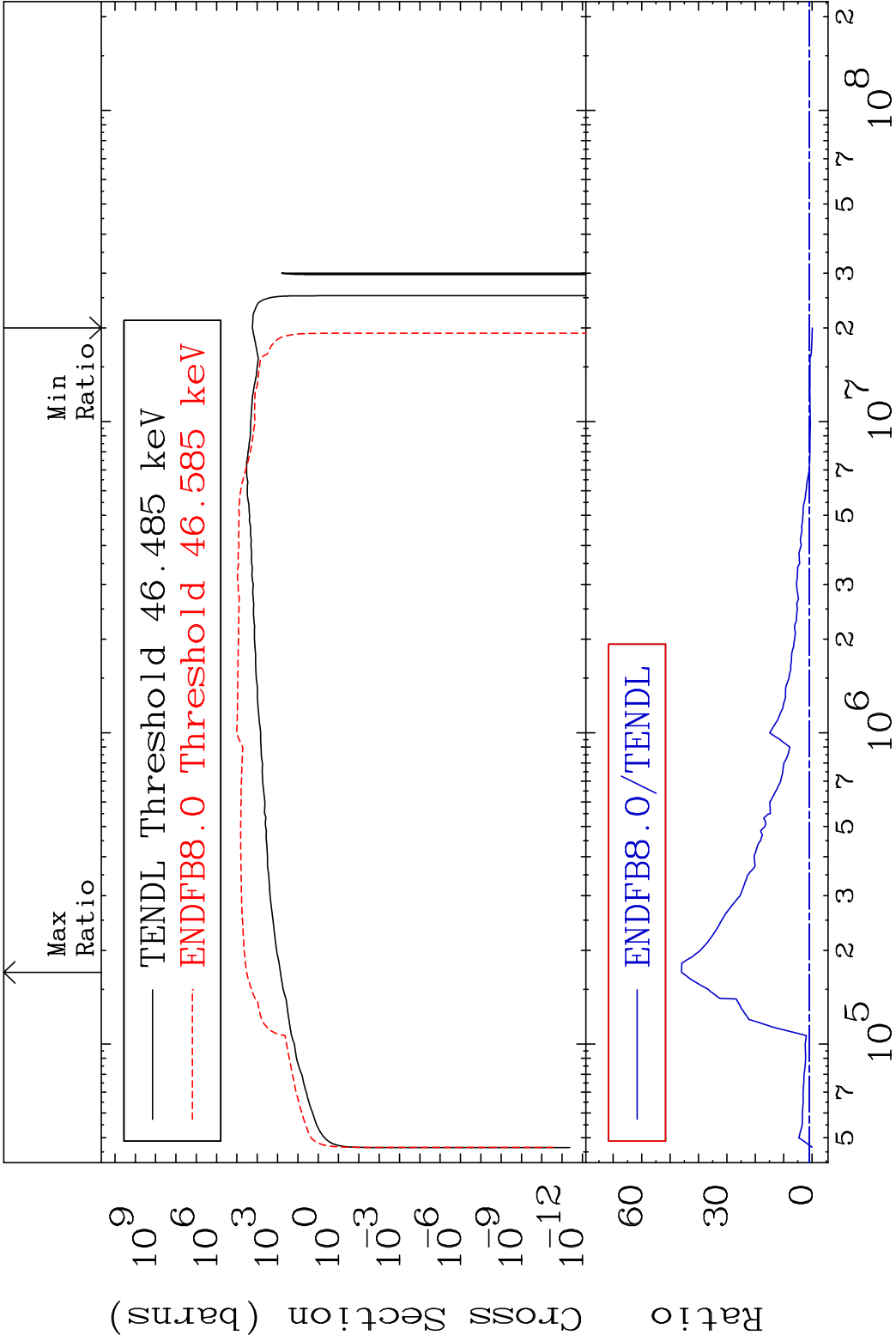
20

Incident Energy (eV)

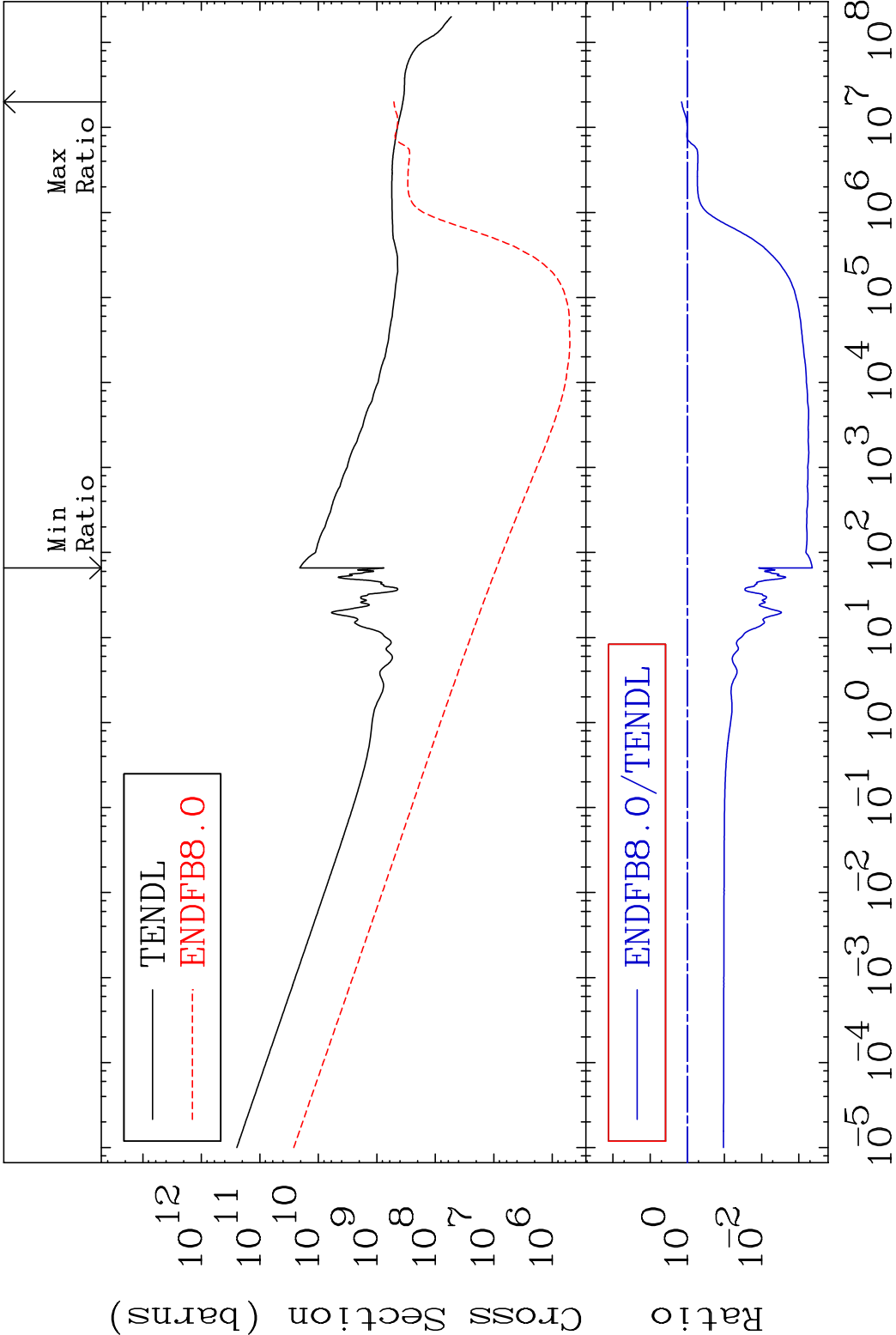
99-ES-253

MAT 9913 Kerma non-elastic (all but mt2) 99-Es-253
Cross Section -99.96 To 42.69 %

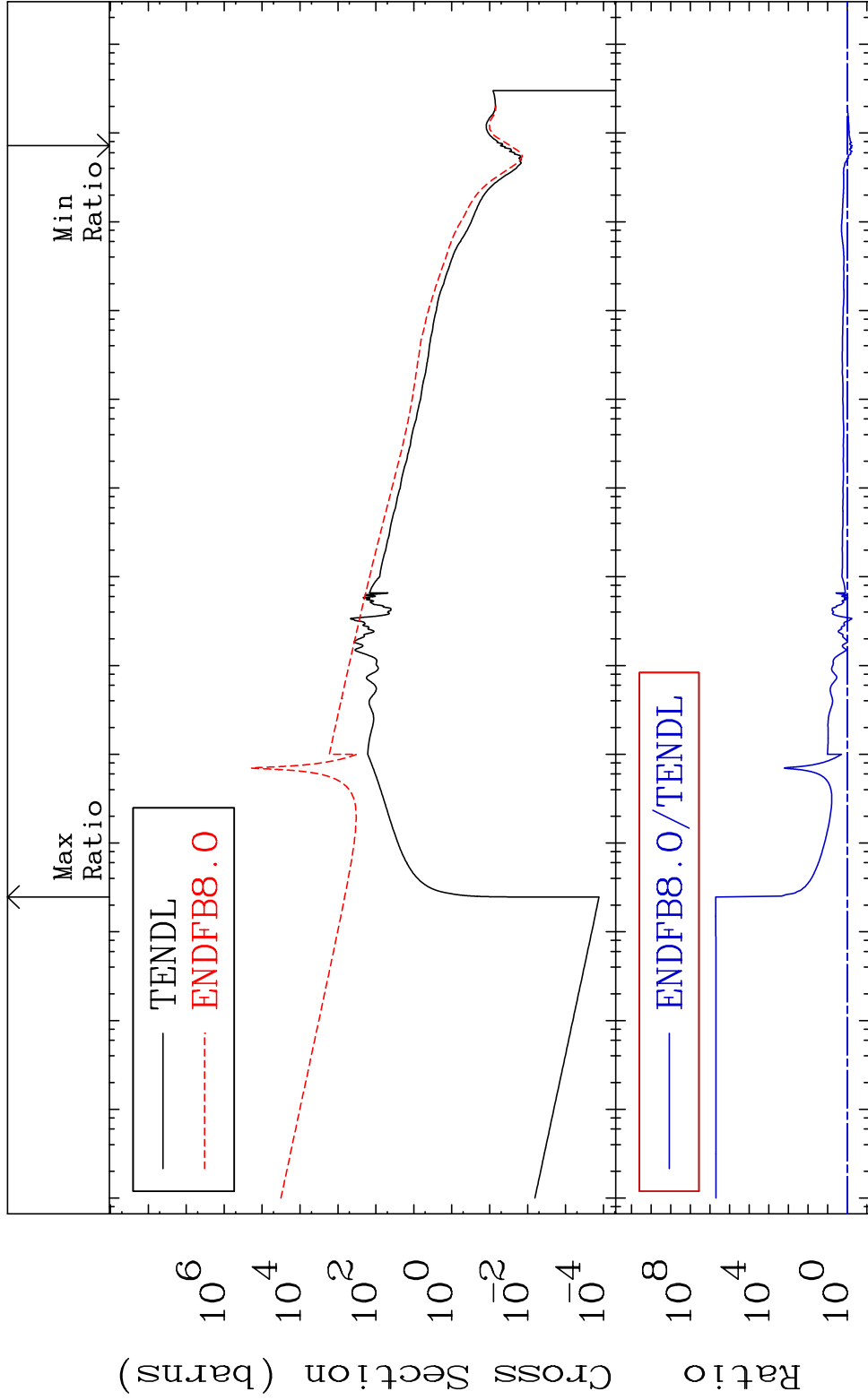




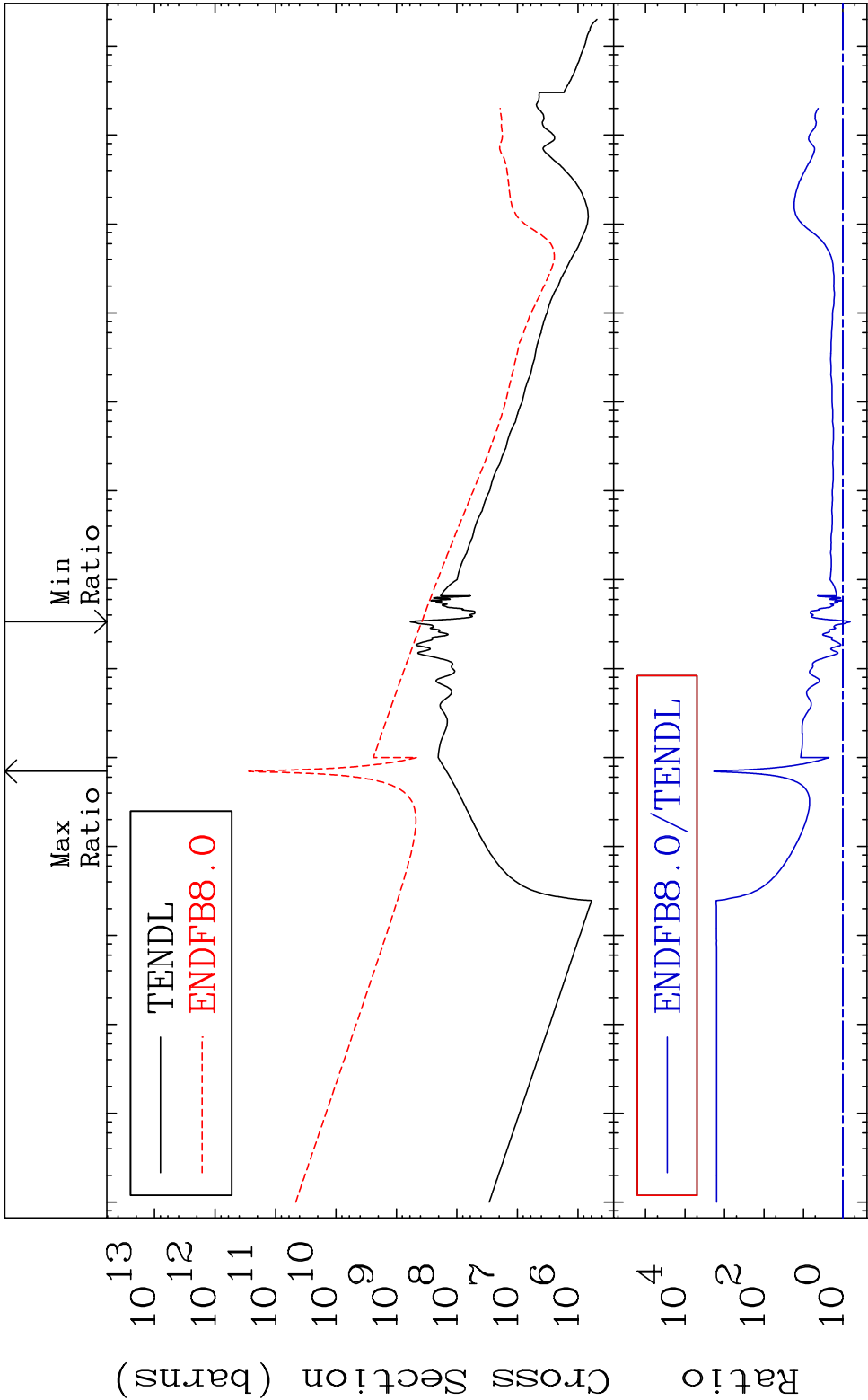
MAT 9913Kerma fission (mt18 or mt19-20-21-38)99-Es-253
Cross Section -99.96 To 42.94 %



23 Incident Energy (eV) 99-Es-253

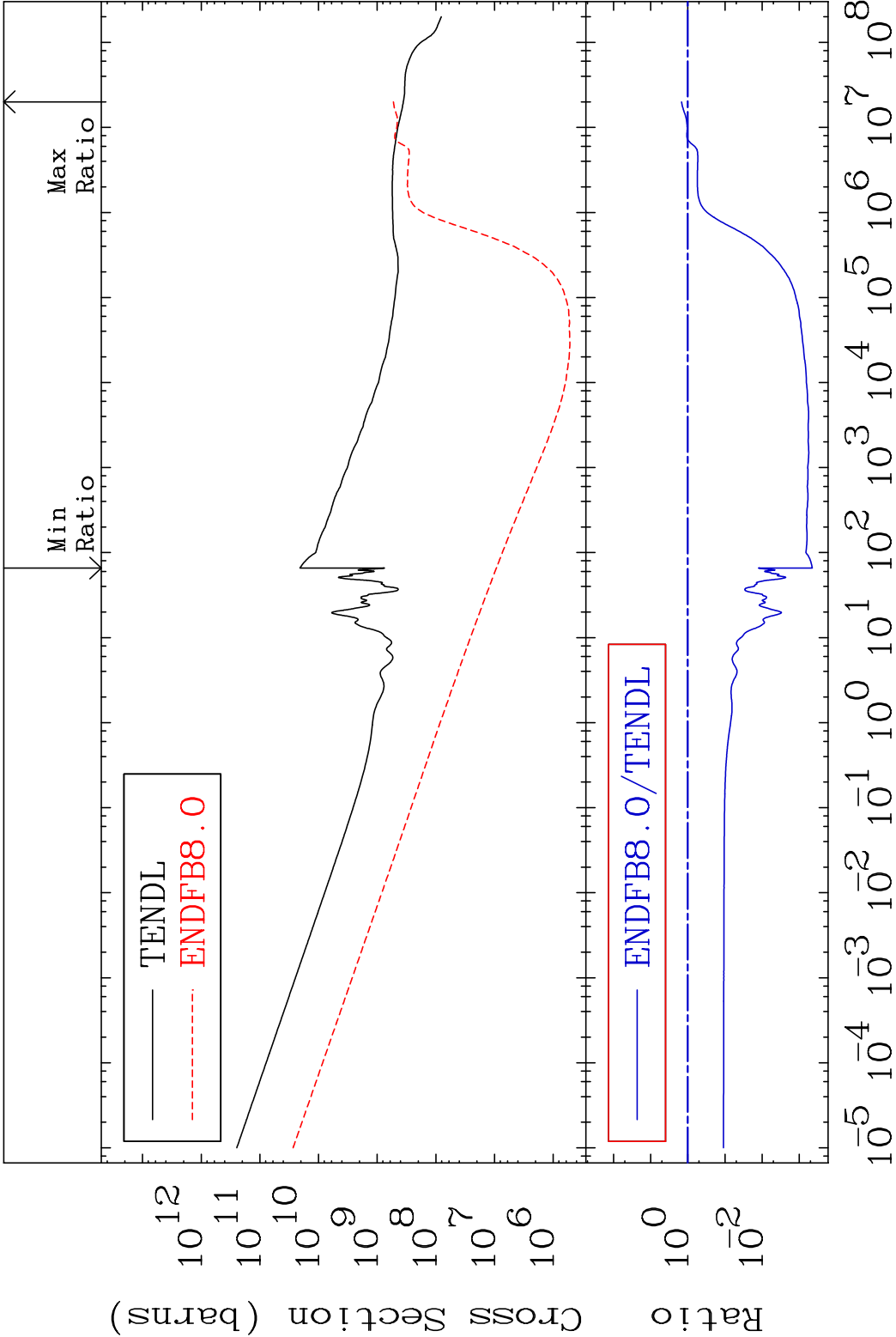


MAT 9913 Total photon (eV-barns) 99-Es-253
Cross Section -35.58 To 9999. %



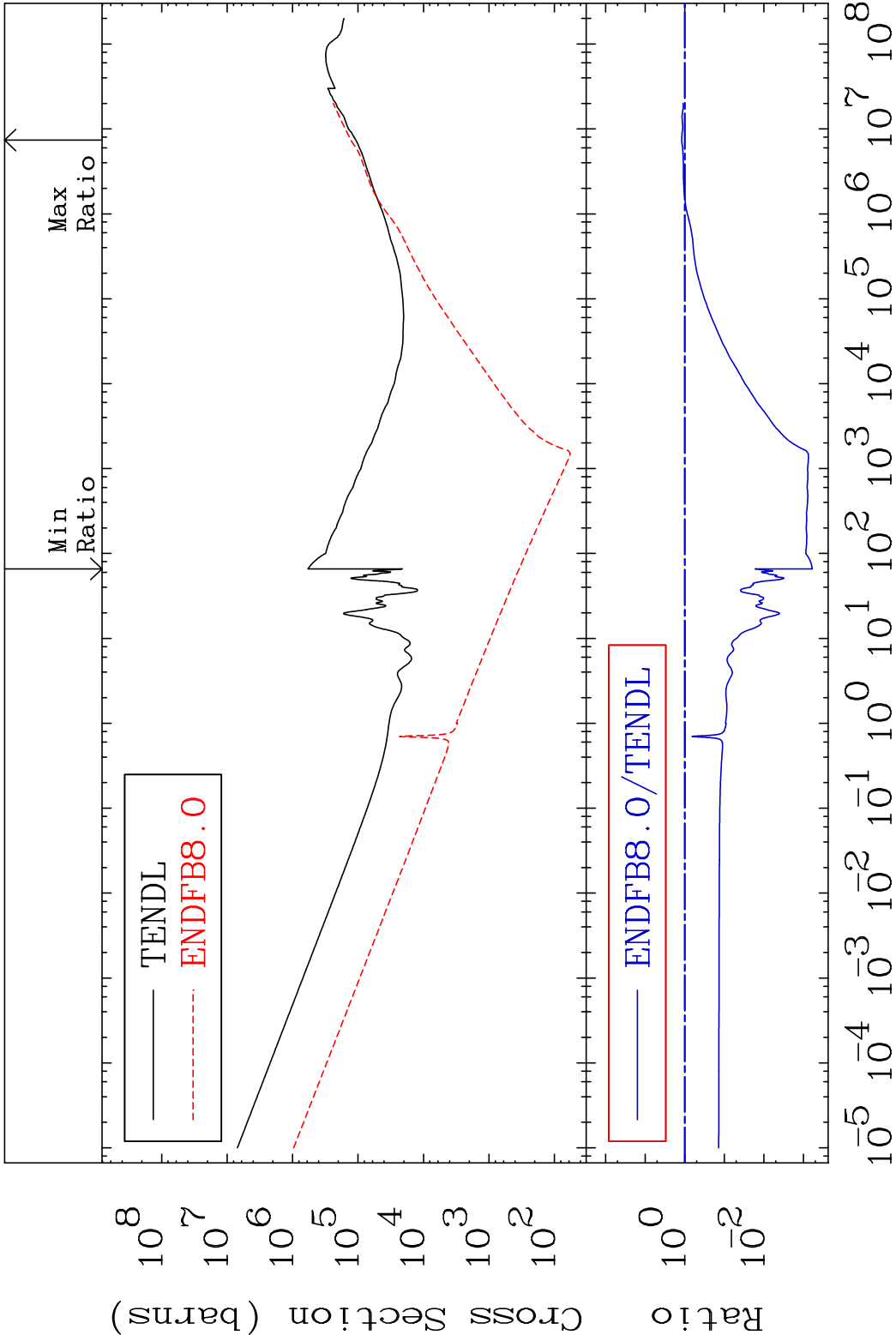
25 Incident Energy (eV) 99-Es-253

MAT 9913 Total kinematic kerma (high limit) 99-Es-253
Cross Section -99.96 To 47.70 %



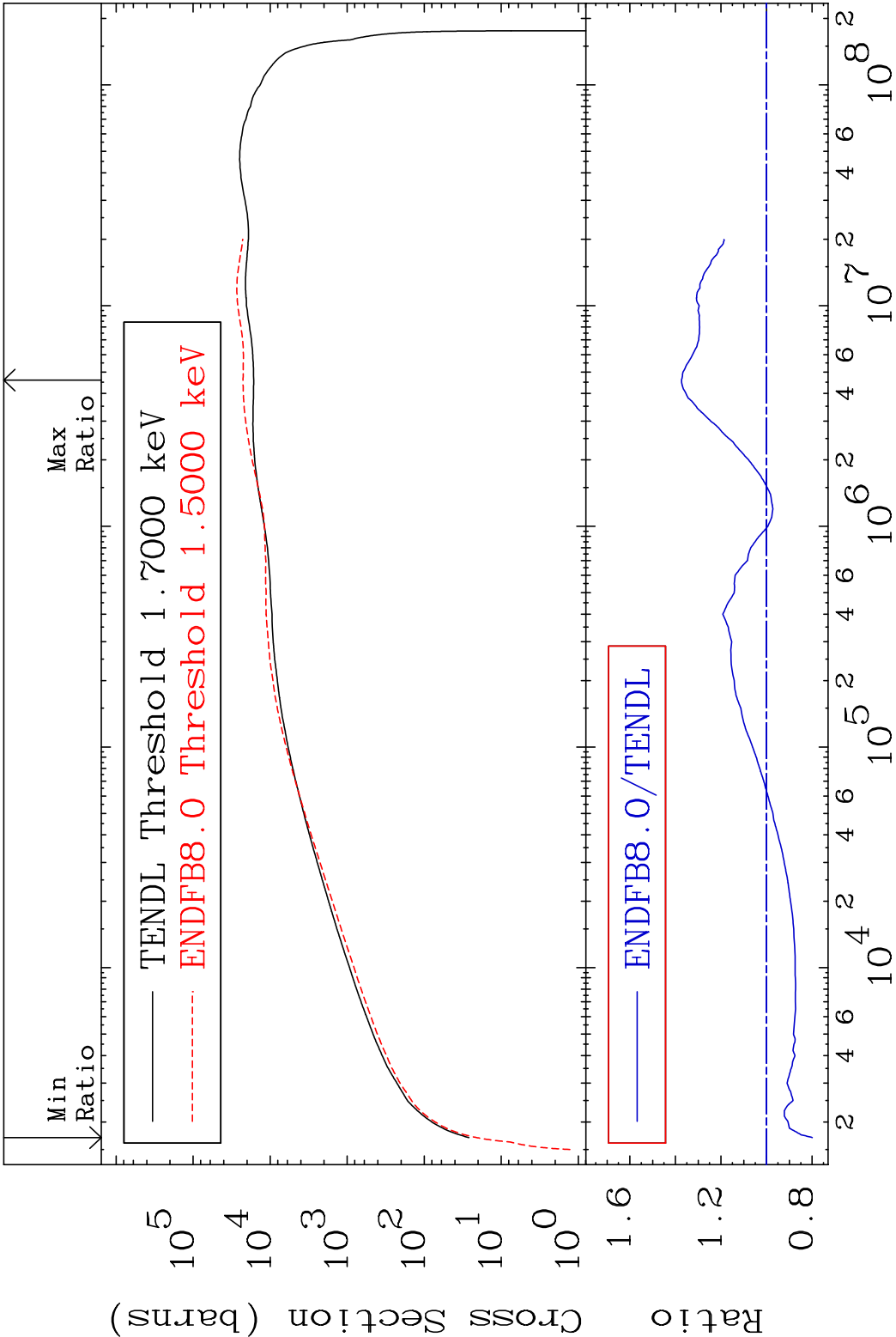
26 Incident Energy (eV) 99-Es-253

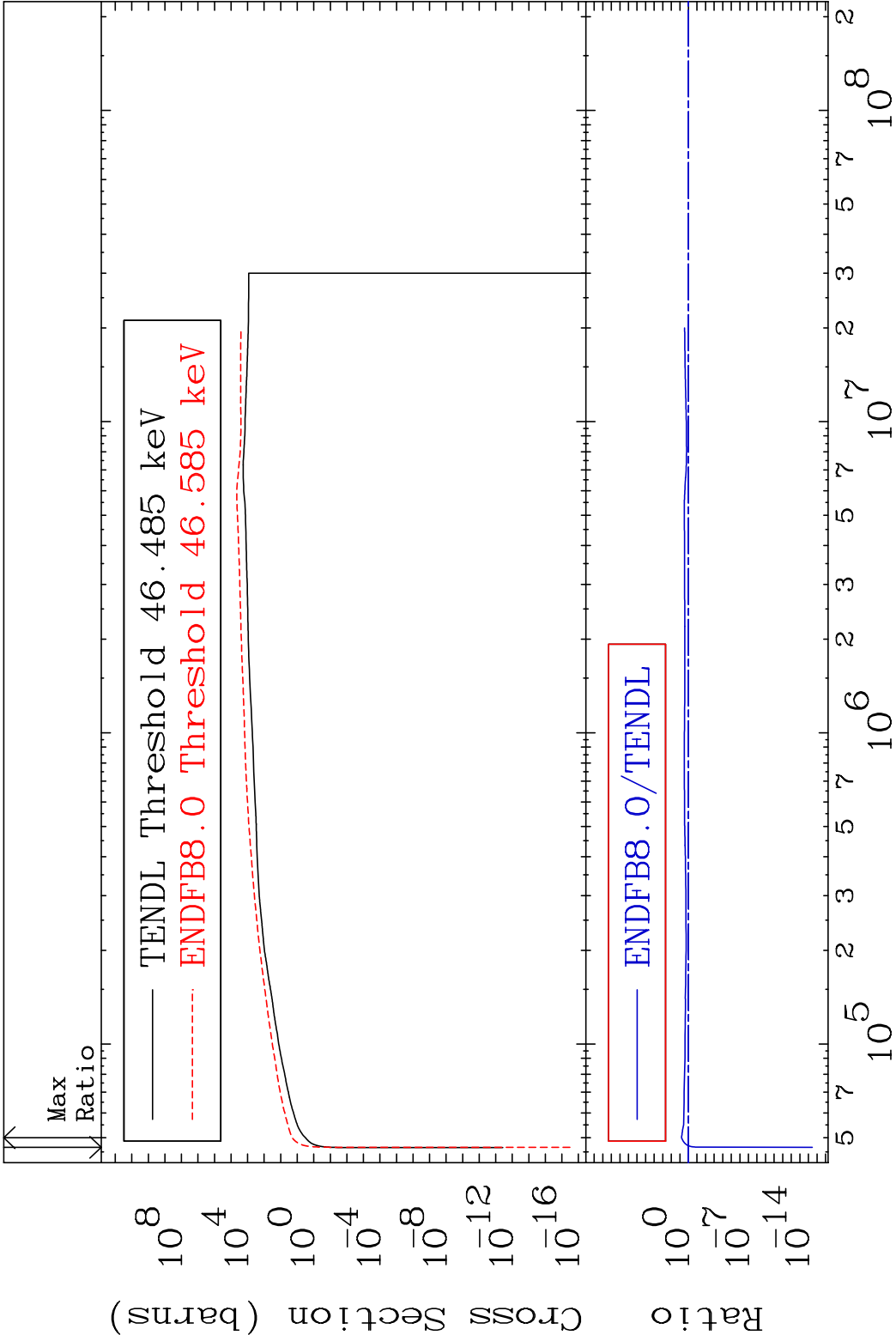
MAT 9913 Dpa total (eV-barns) 99-Es-253
Cross Section -99.94 To 18.58 %



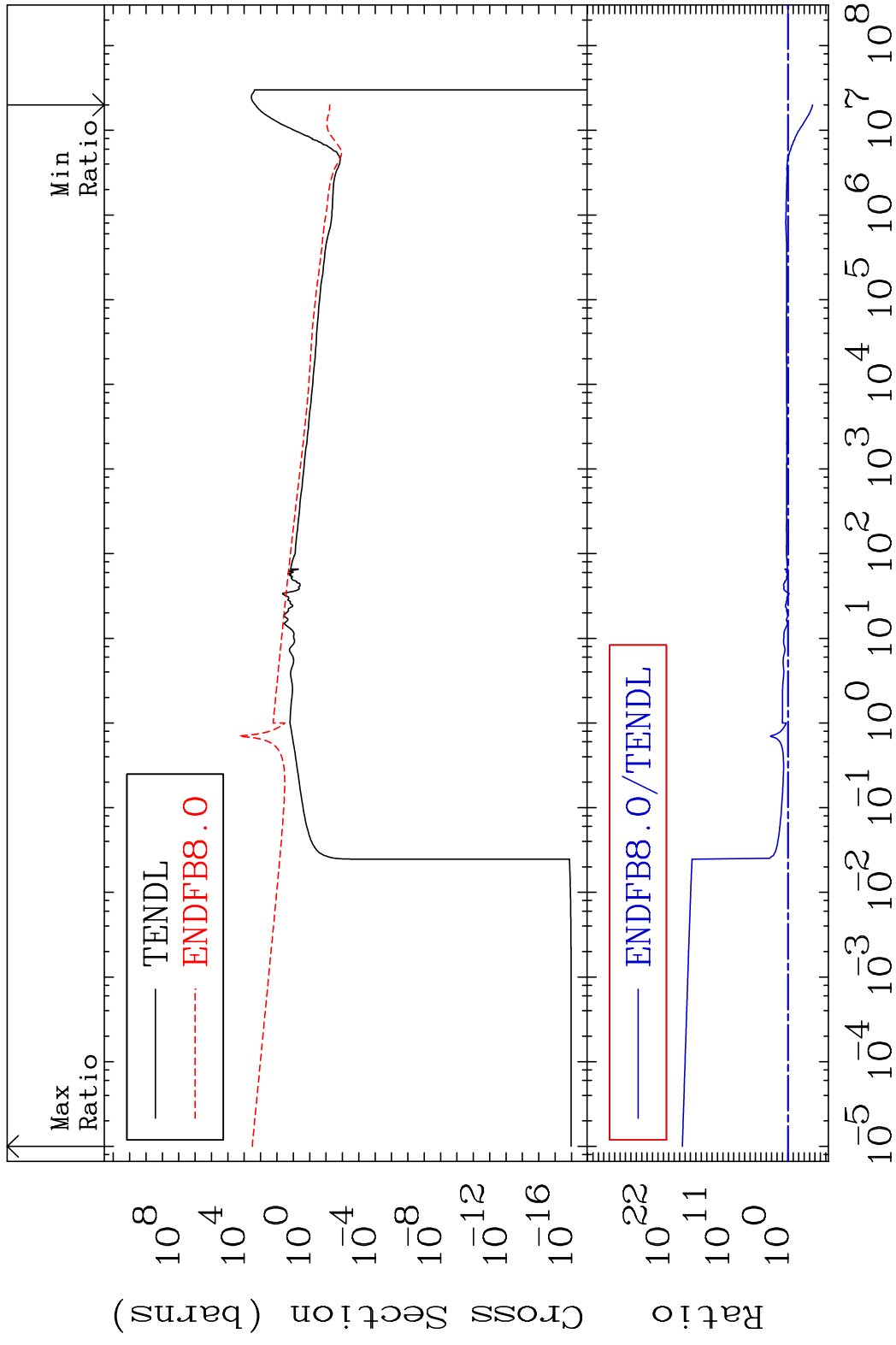
27 Incident Energy (eV) 99-Es-253

MAT 9913	Dpa elastic (mt2)	99-Es-253
	Cross Section	-20.04 To 37.32 %





MAT 9913	Dpa disappearance (mt102	99-Es-253
	Cross Section	-100.0 To 9999. %



30	Incident Energy (eV)	99-Es-253