

Program Complot
(Version 2021-1)

by

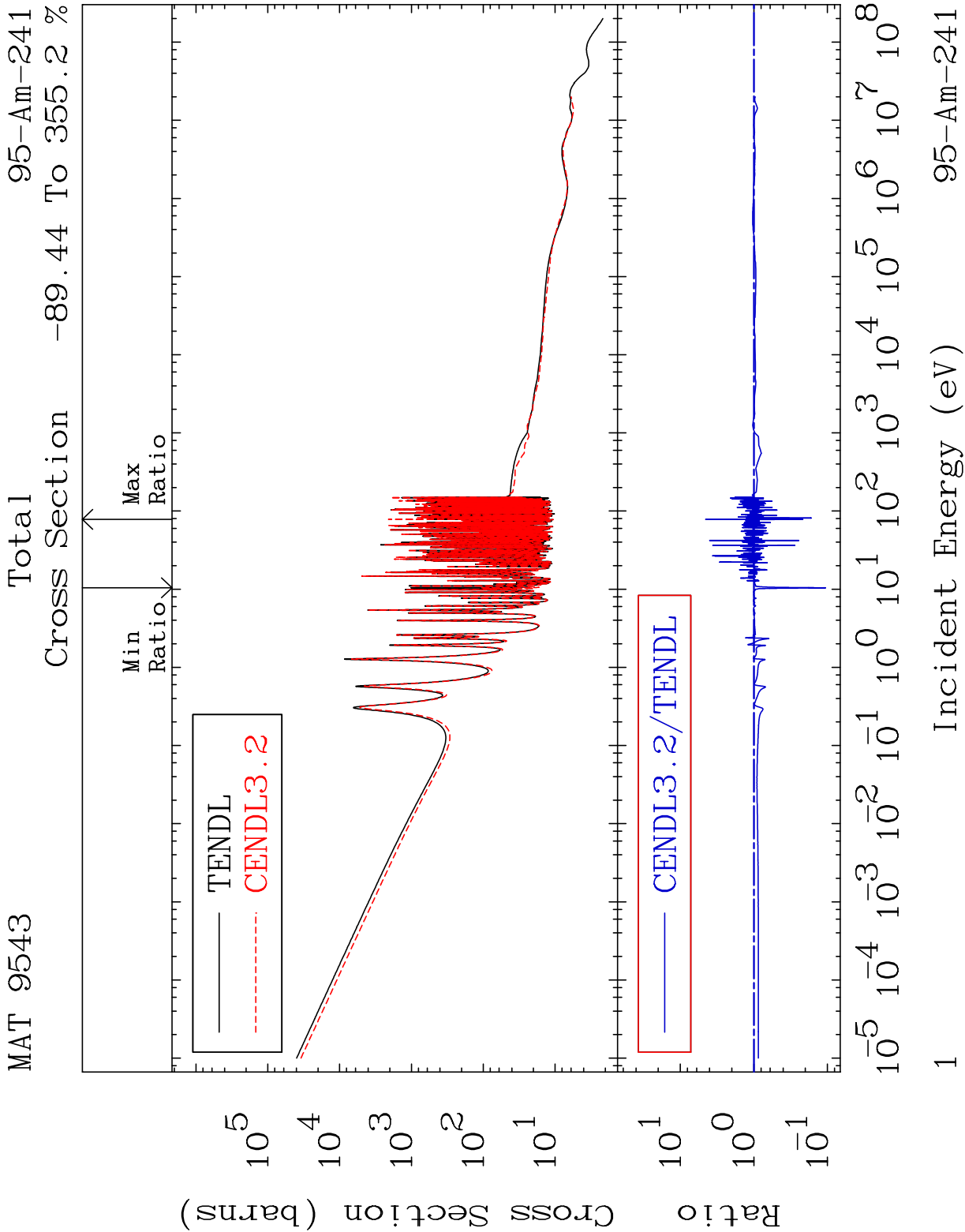
Dermott E. Cullen
(Present Contact Information)

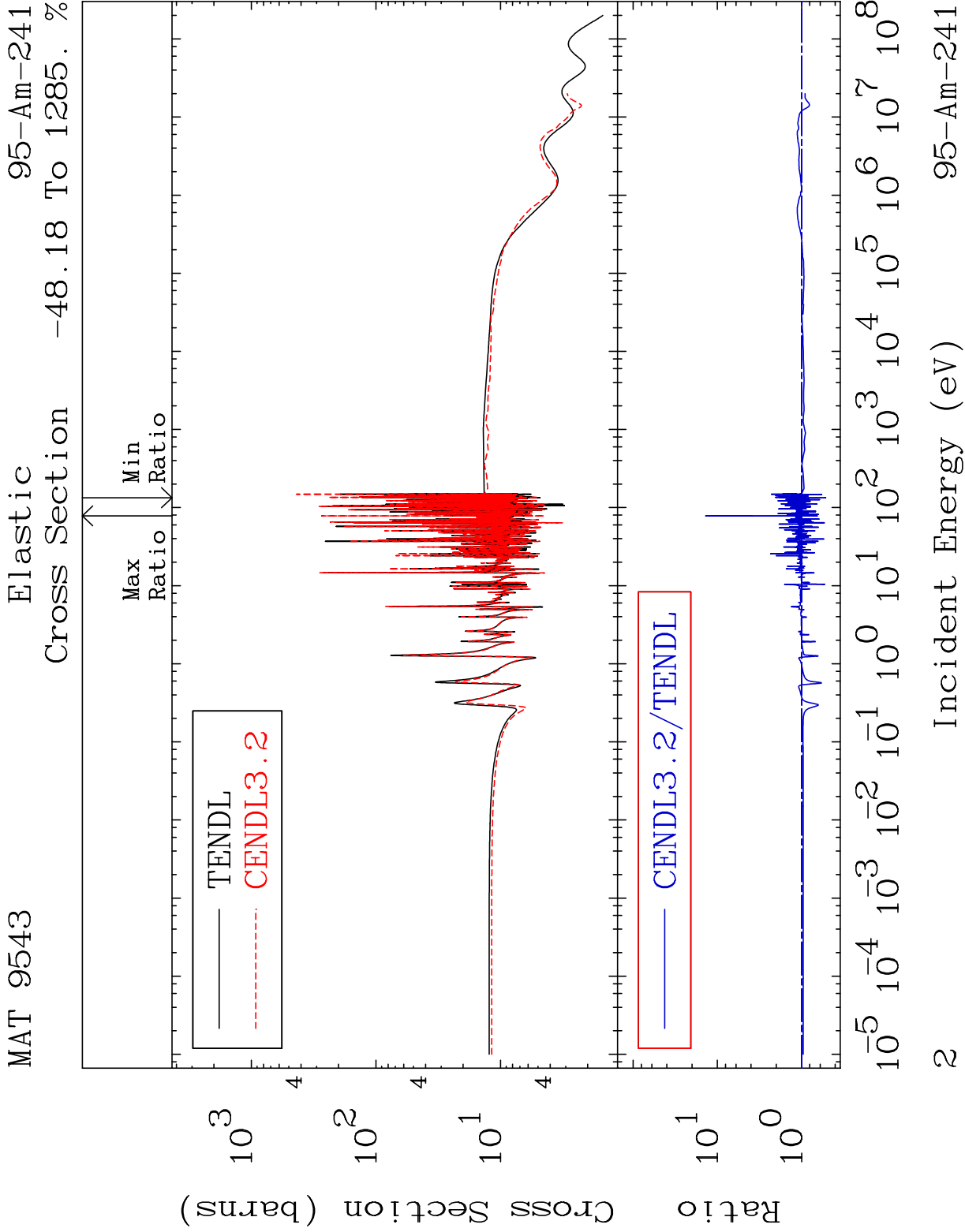
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

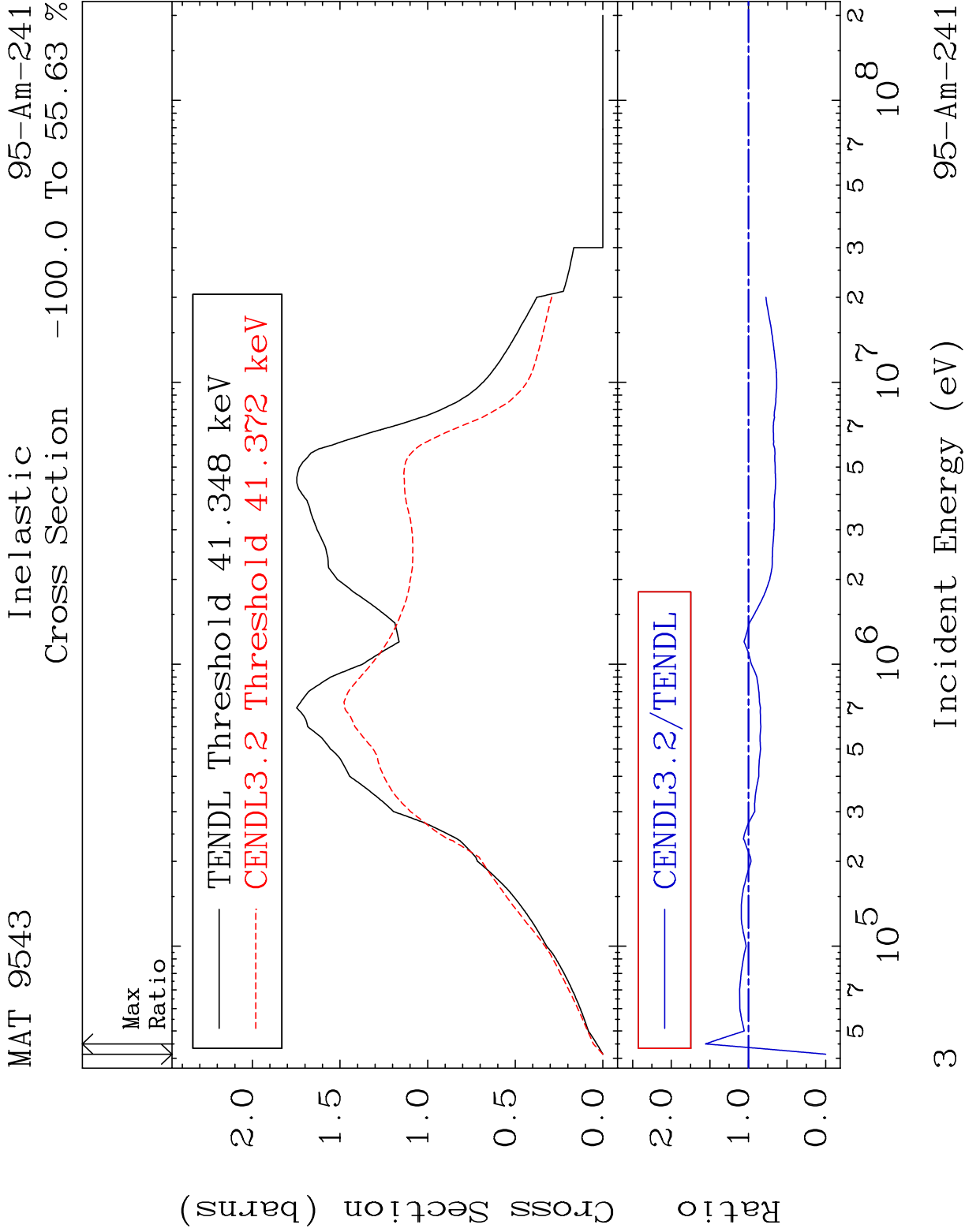
Tele: 925-443-1911

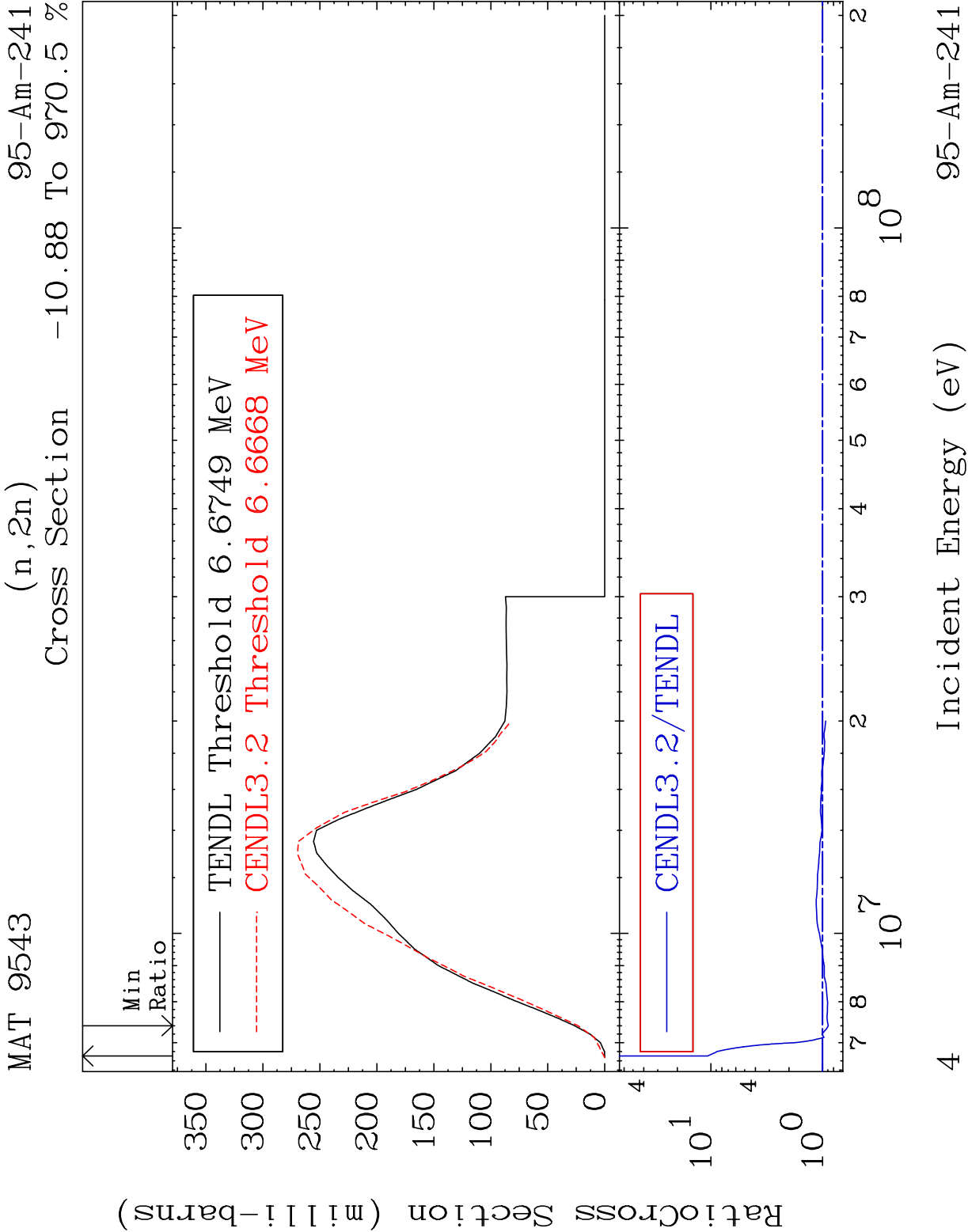
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

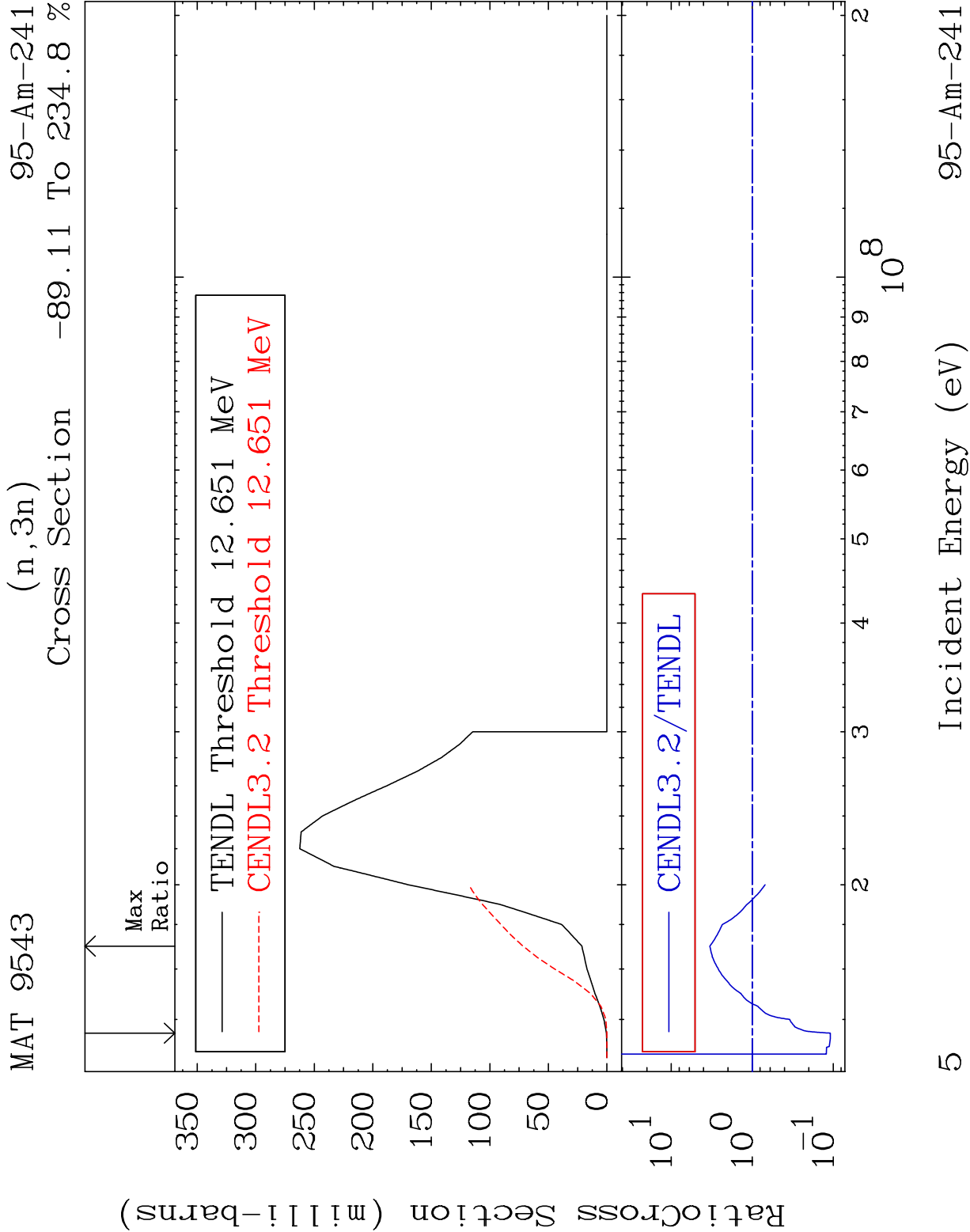
Press Mouse Button to Start

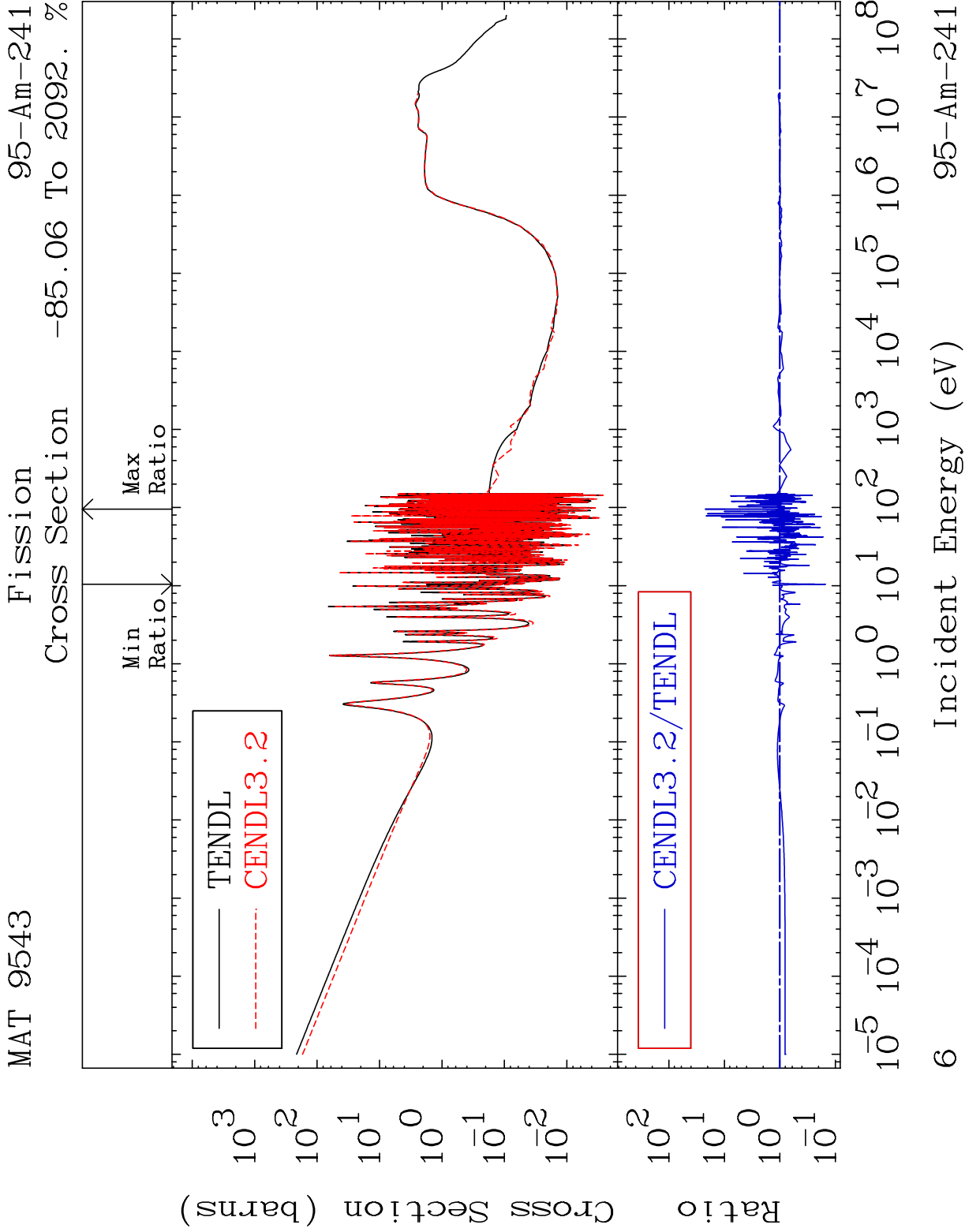




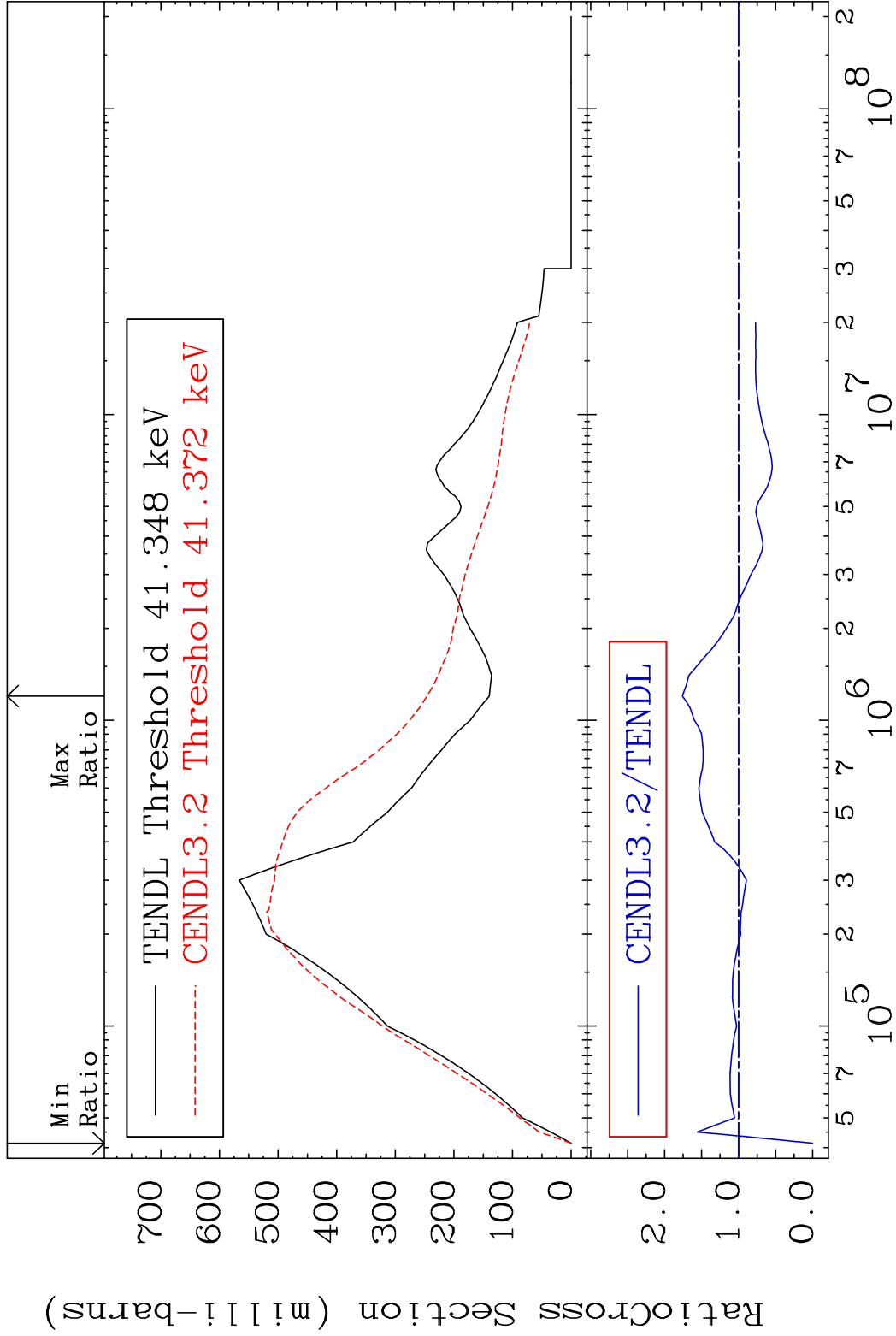


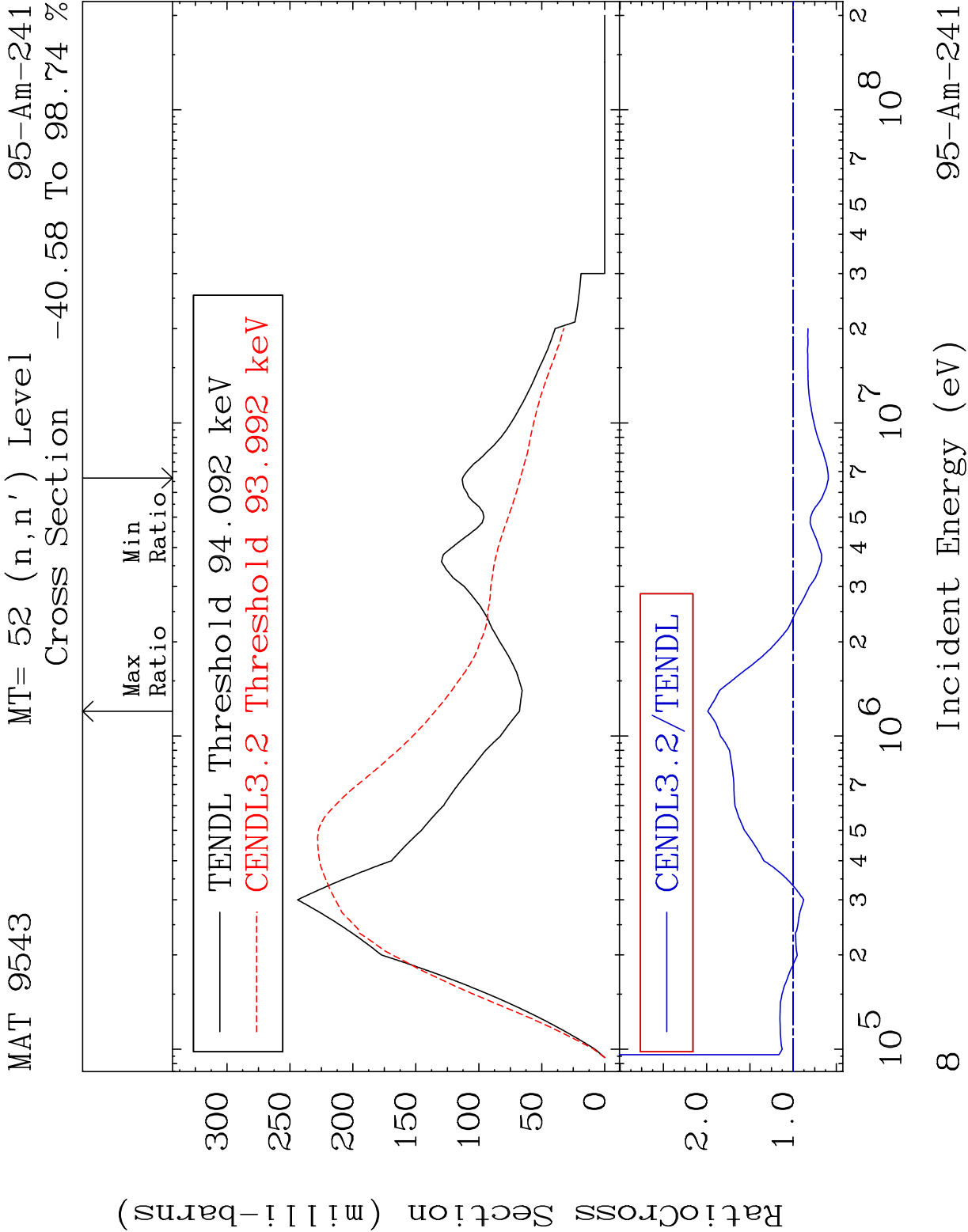


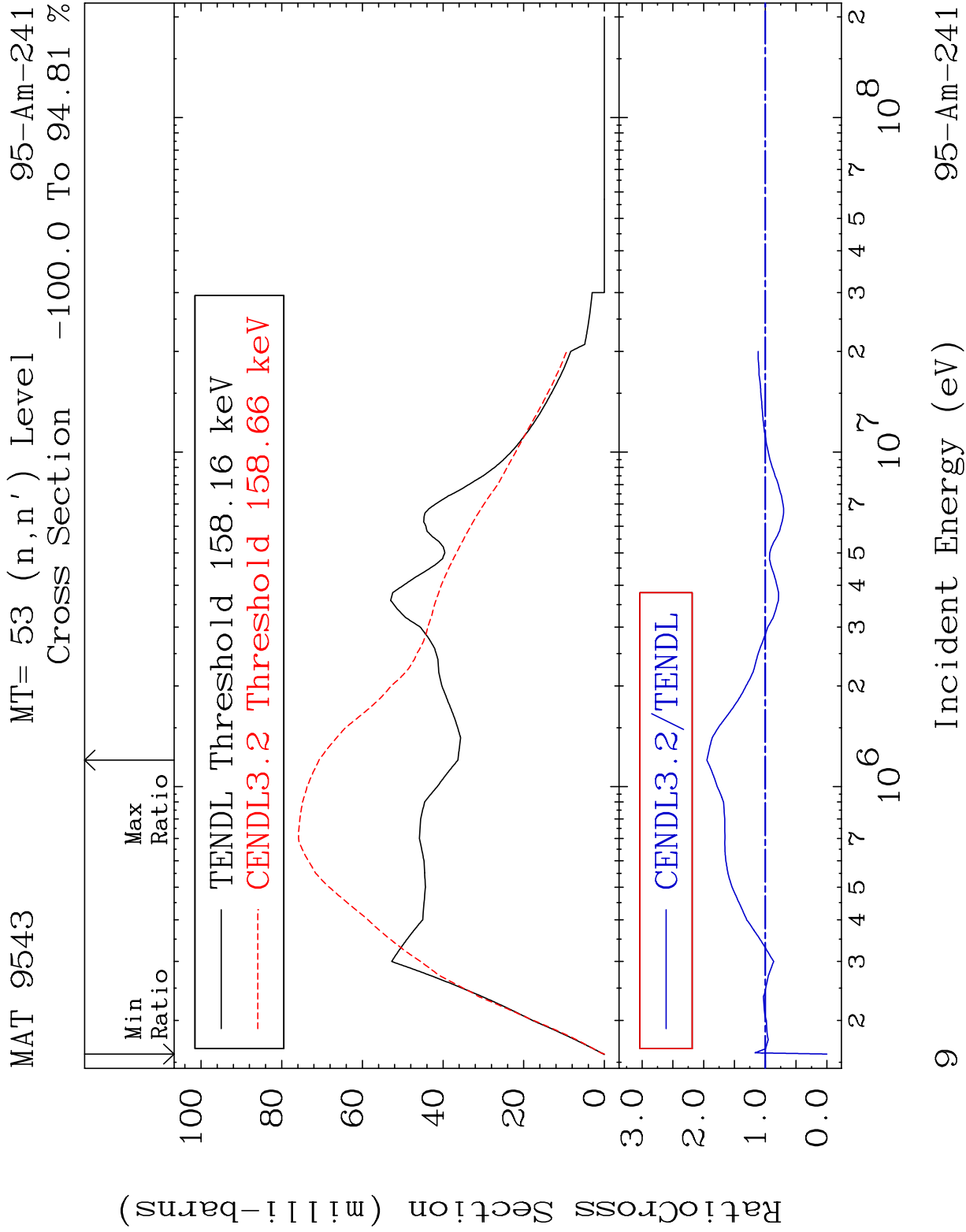




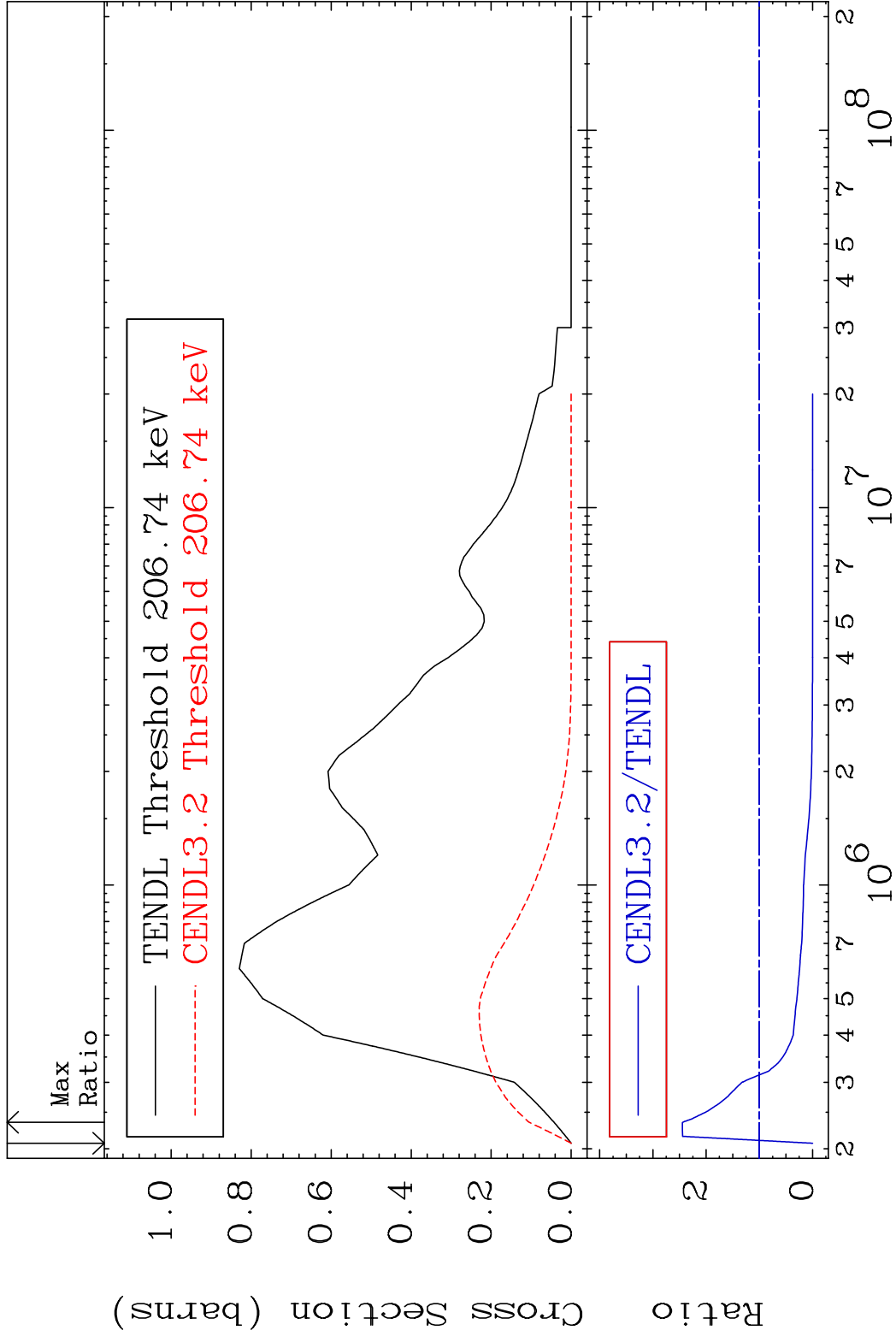
MAT 9543 MT= 51 (n,n') Level 95-Am-241
Cross Section -100.0 To 76.04 %







MAT 9543 MT= 54 (n,n') Level 95-Am-241
Cross Section -100.0 To 144.7 %



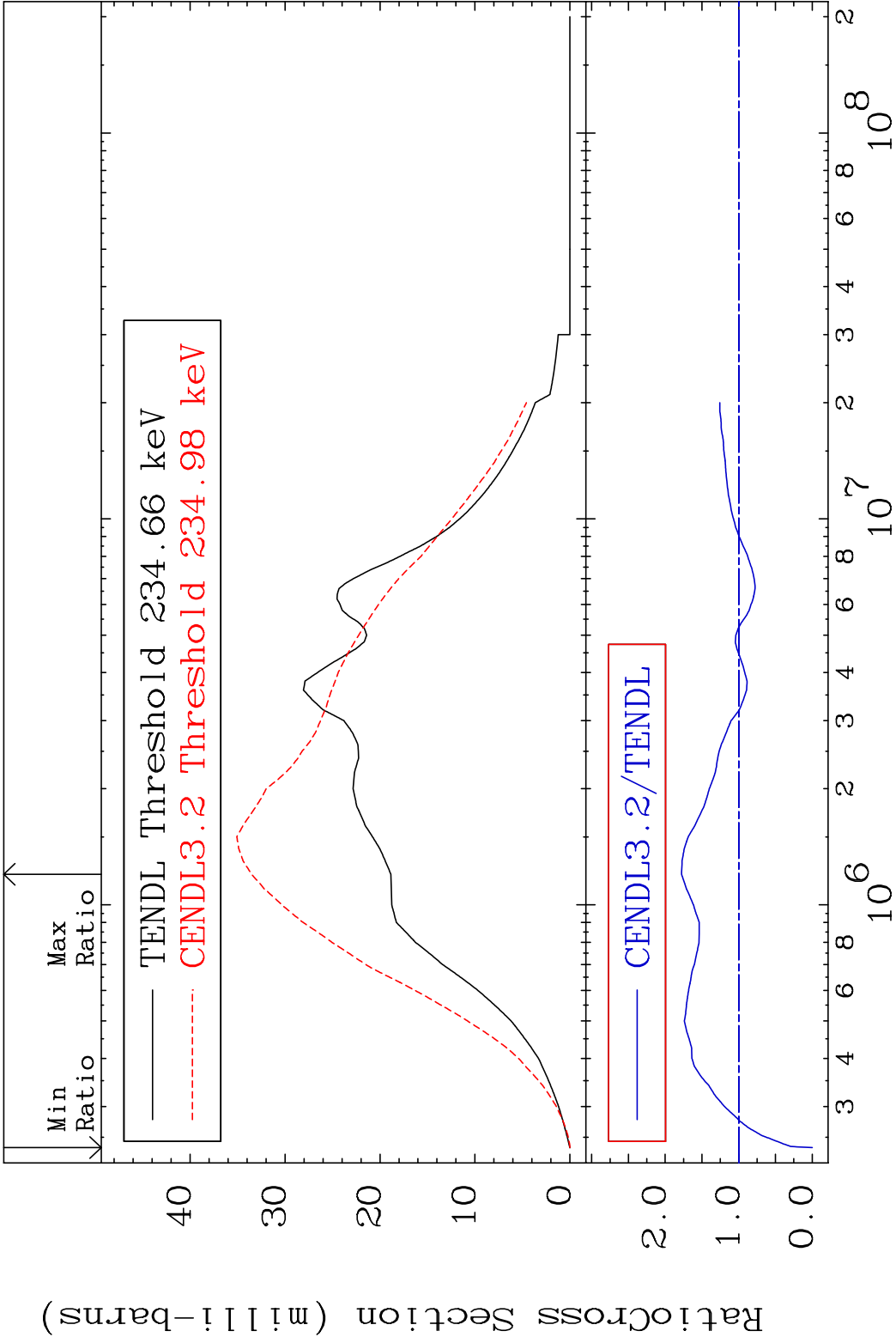
MAT 9543

MT= 55 (n,n') Level

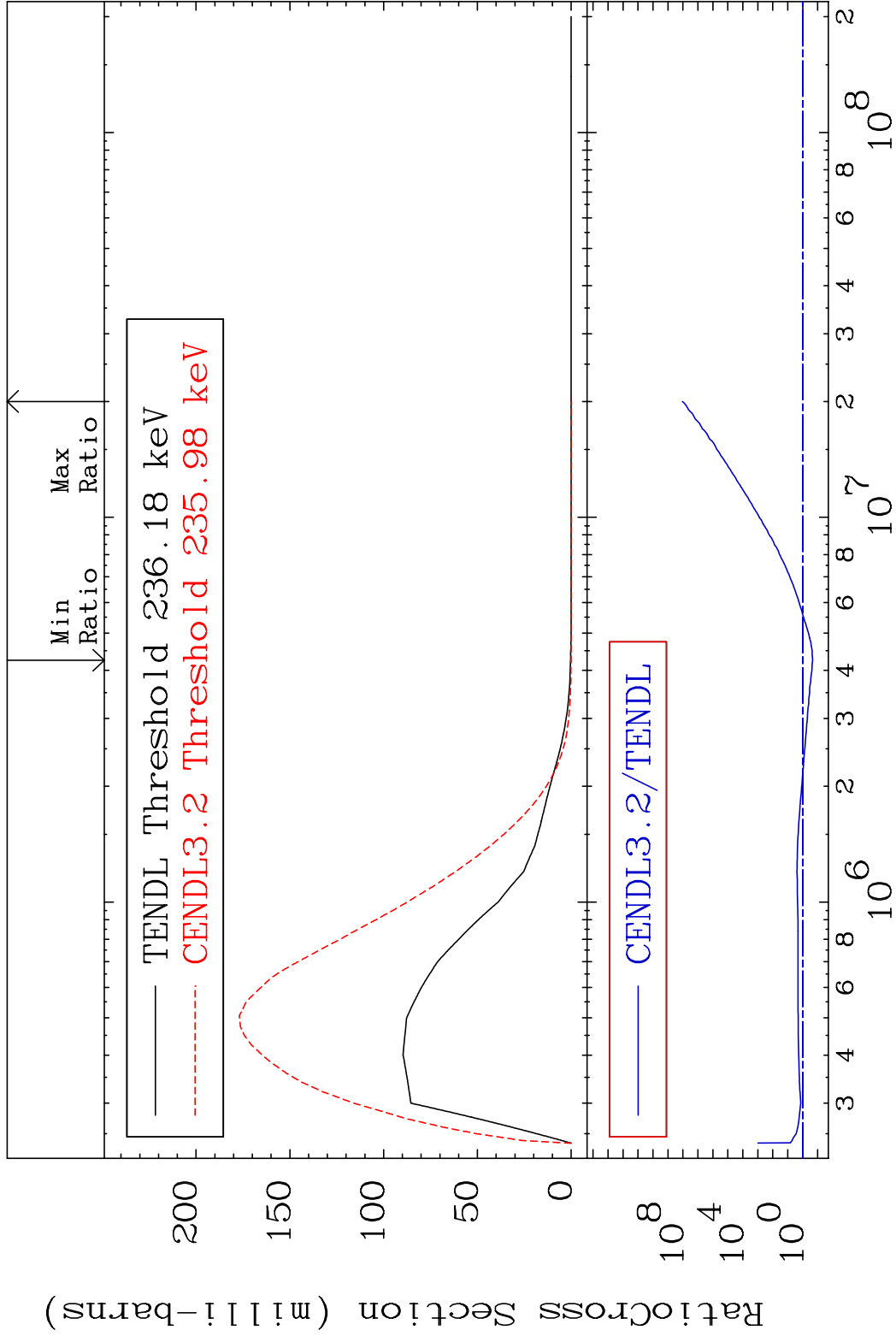
95-Am-241

Cross Section

-100.0 To 77.76 %

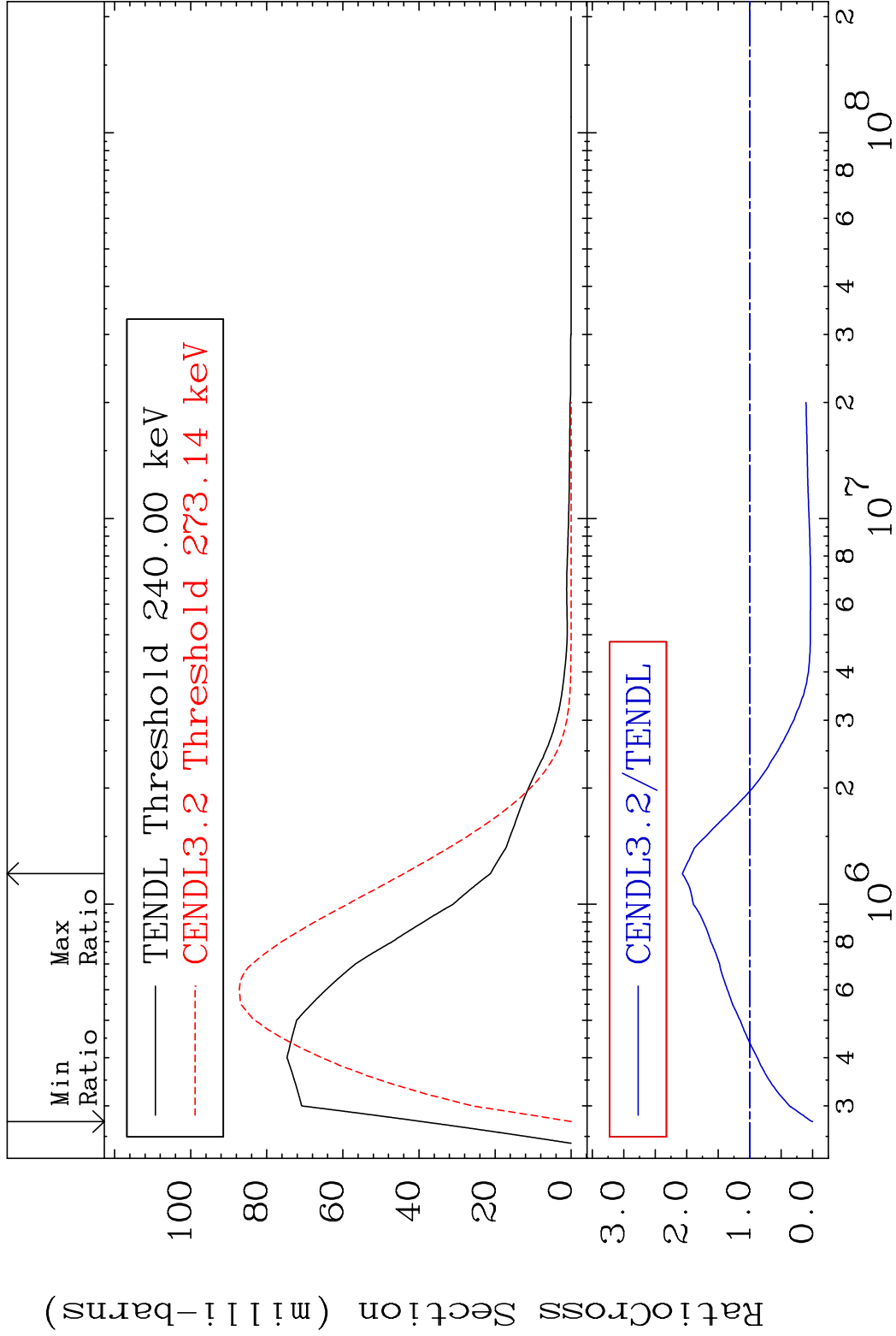


MAT 9543 MT= 56 (n,n') Level 95-Am-241
Cross Section -77.90 To 9999. %



12 Incident Energy (eV) 95-Am-241

MAT 9543 MT= 57 (n,n') Level 95-Am-241
Cross Section -100.0 To 107.0 %



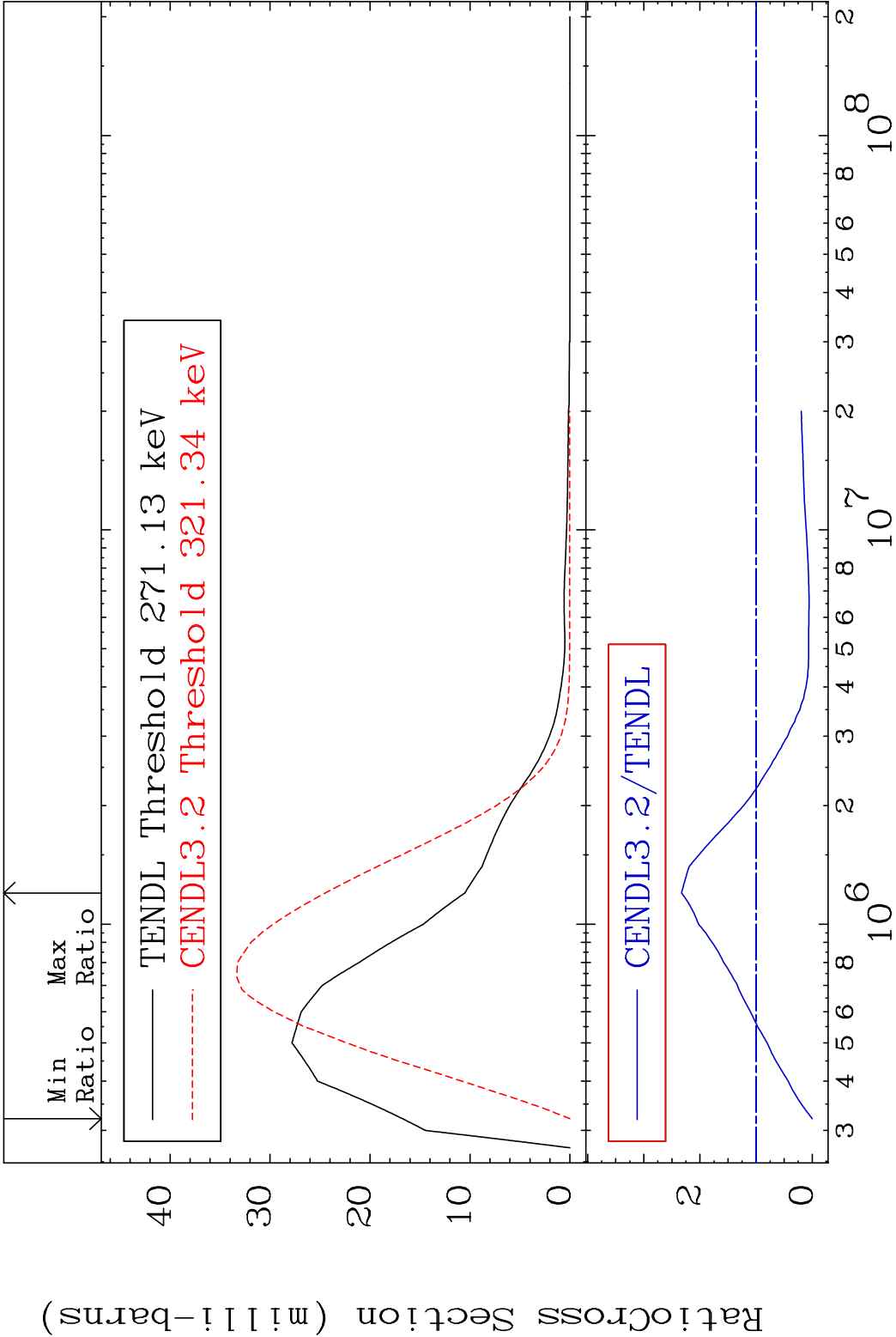
MAT 9543

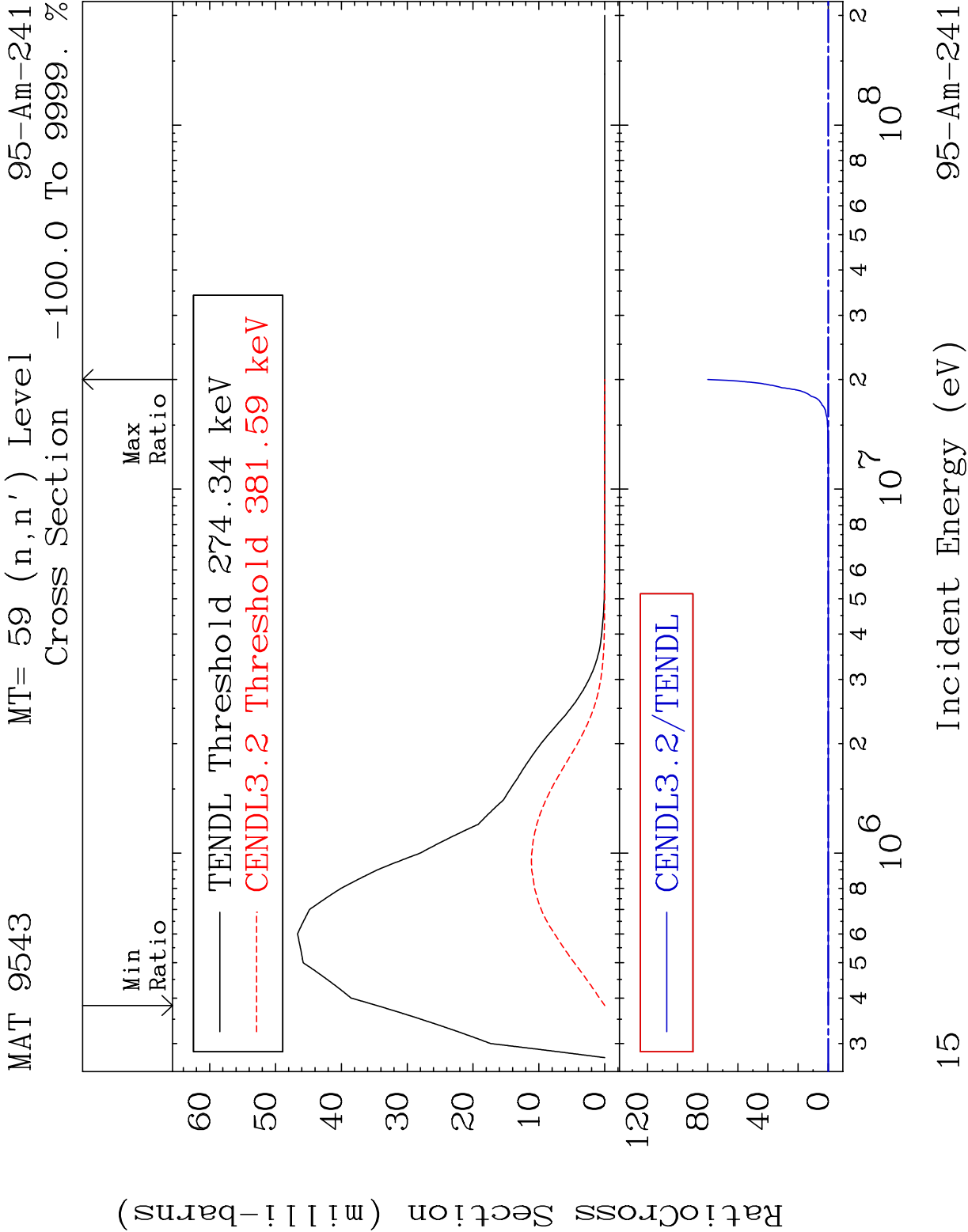
MT= 58 (n,n') Level

95-Am-241

Cross Section

-100.0 To 132.8 %





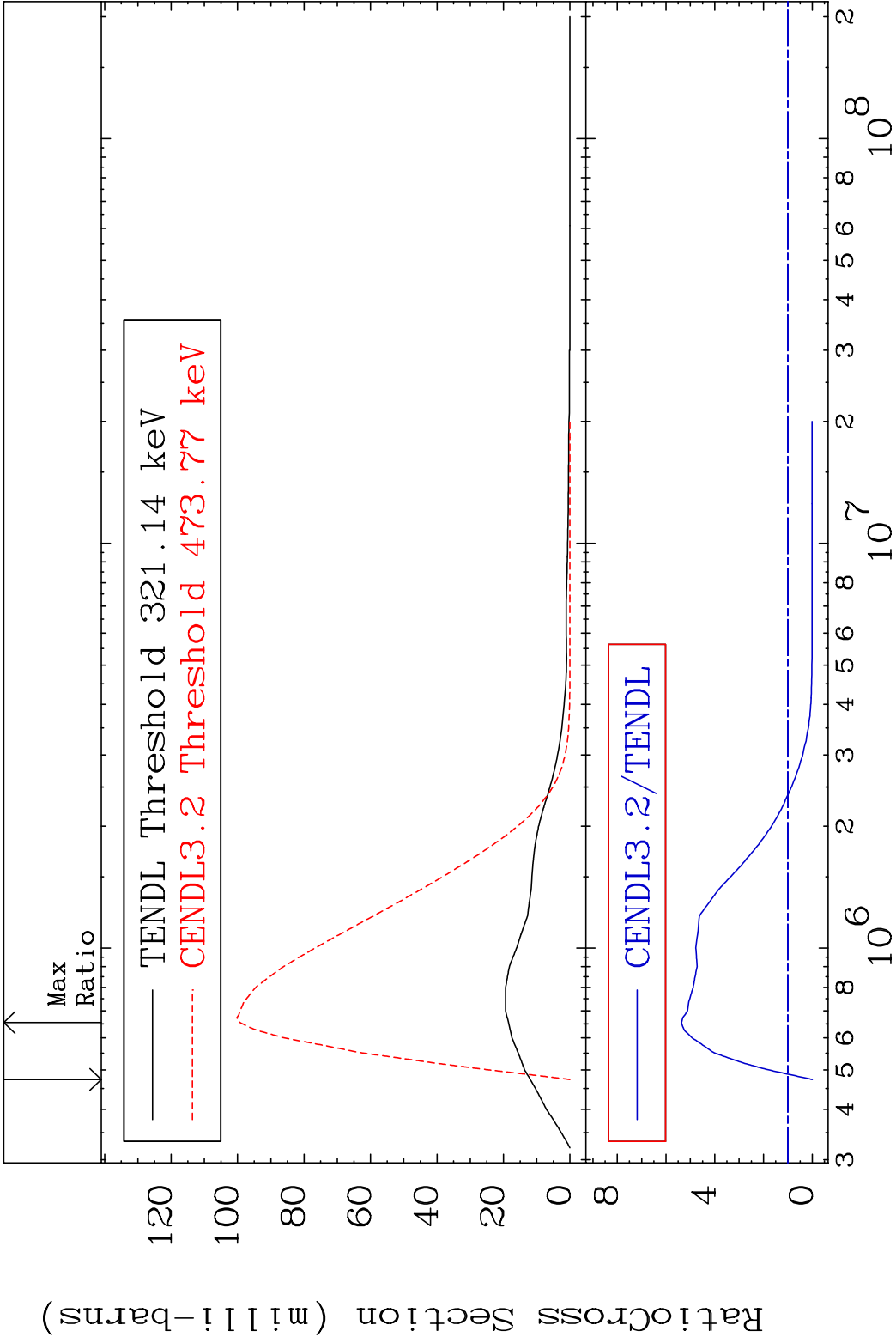
MAT 9543

MT= 60 (n,n') Level

95-Am-241

Cross Section

-100.0 To 436.3 %



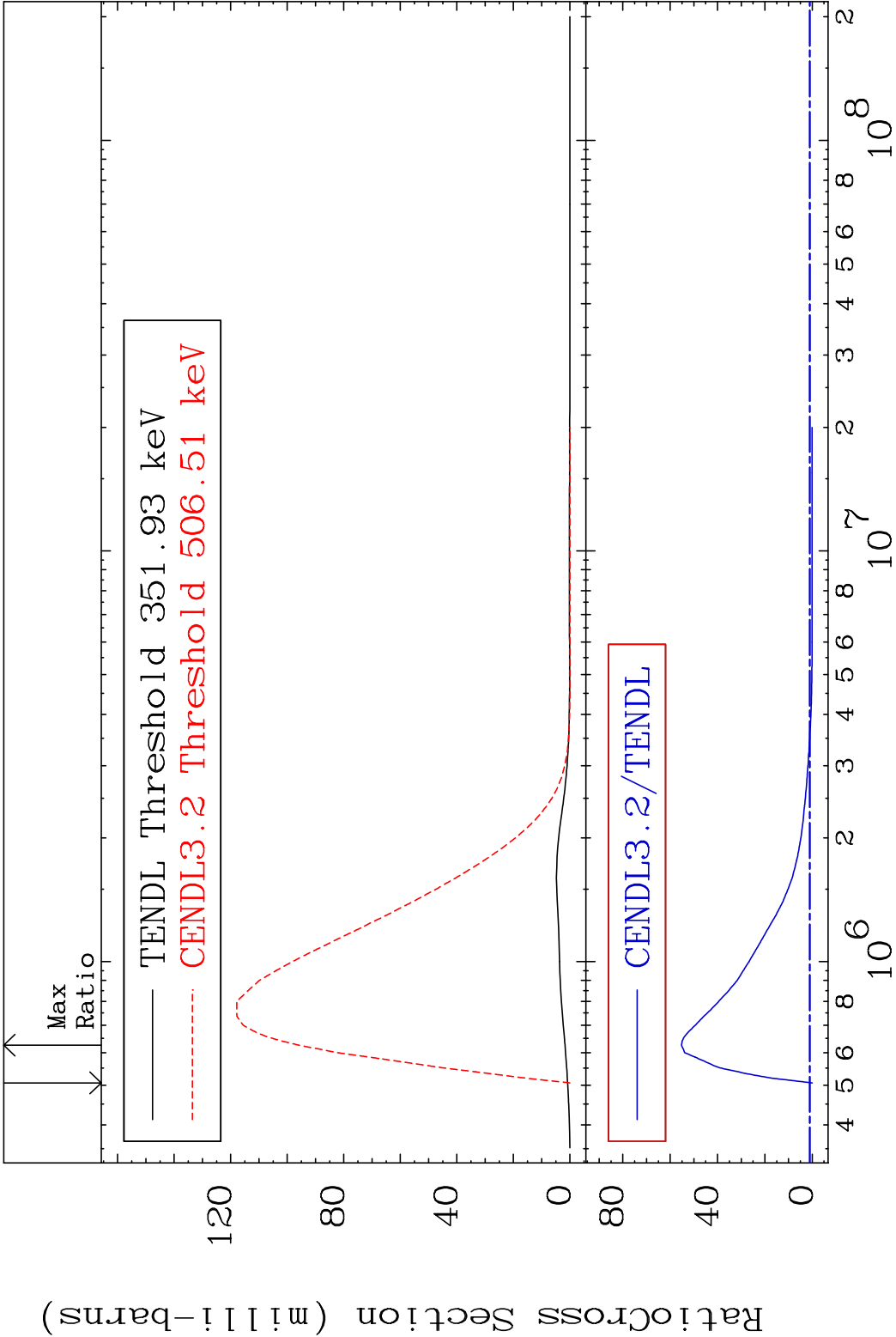
MAT 9543

MT= 61 (n,n') Level

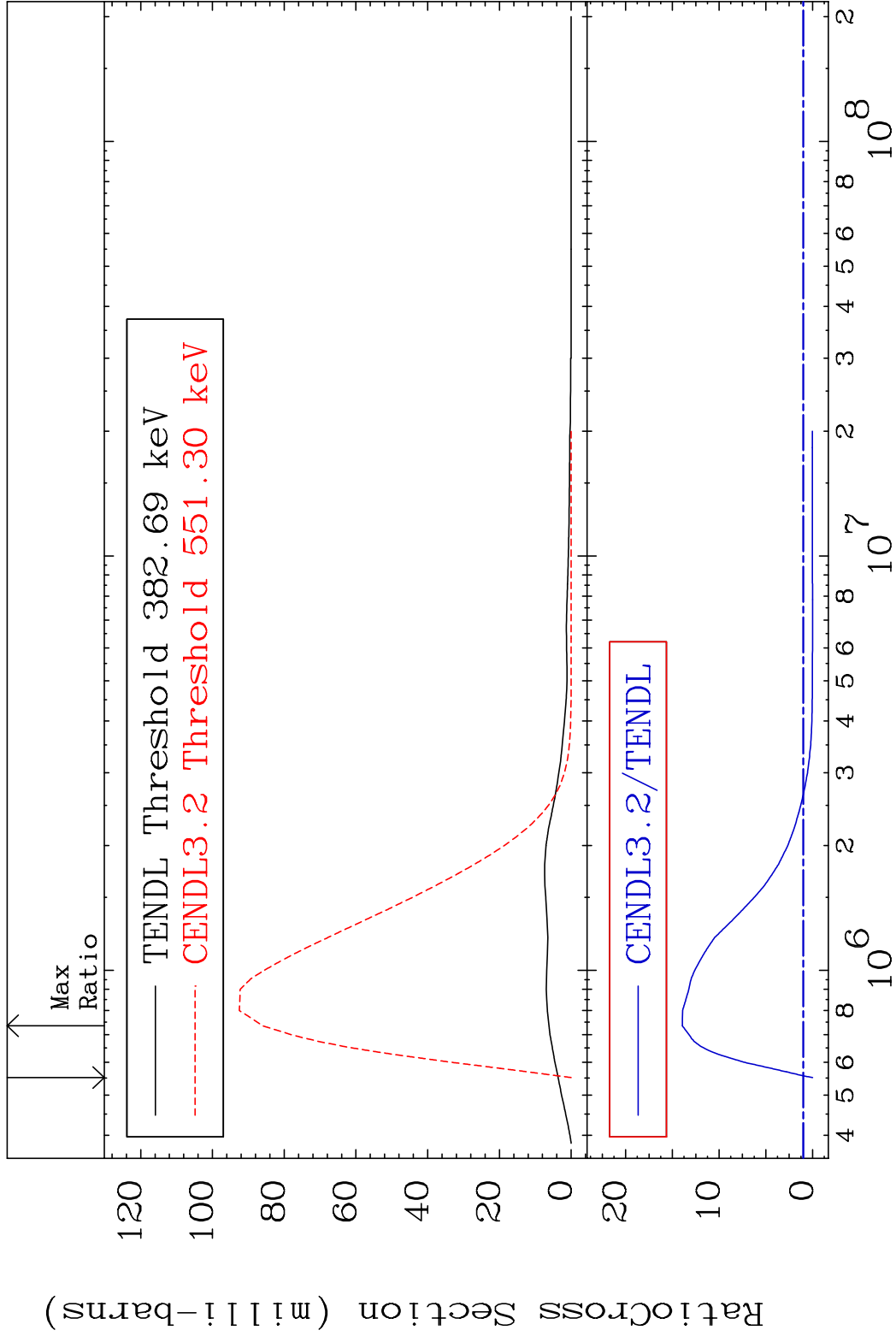
95-Am-241

Cross Section

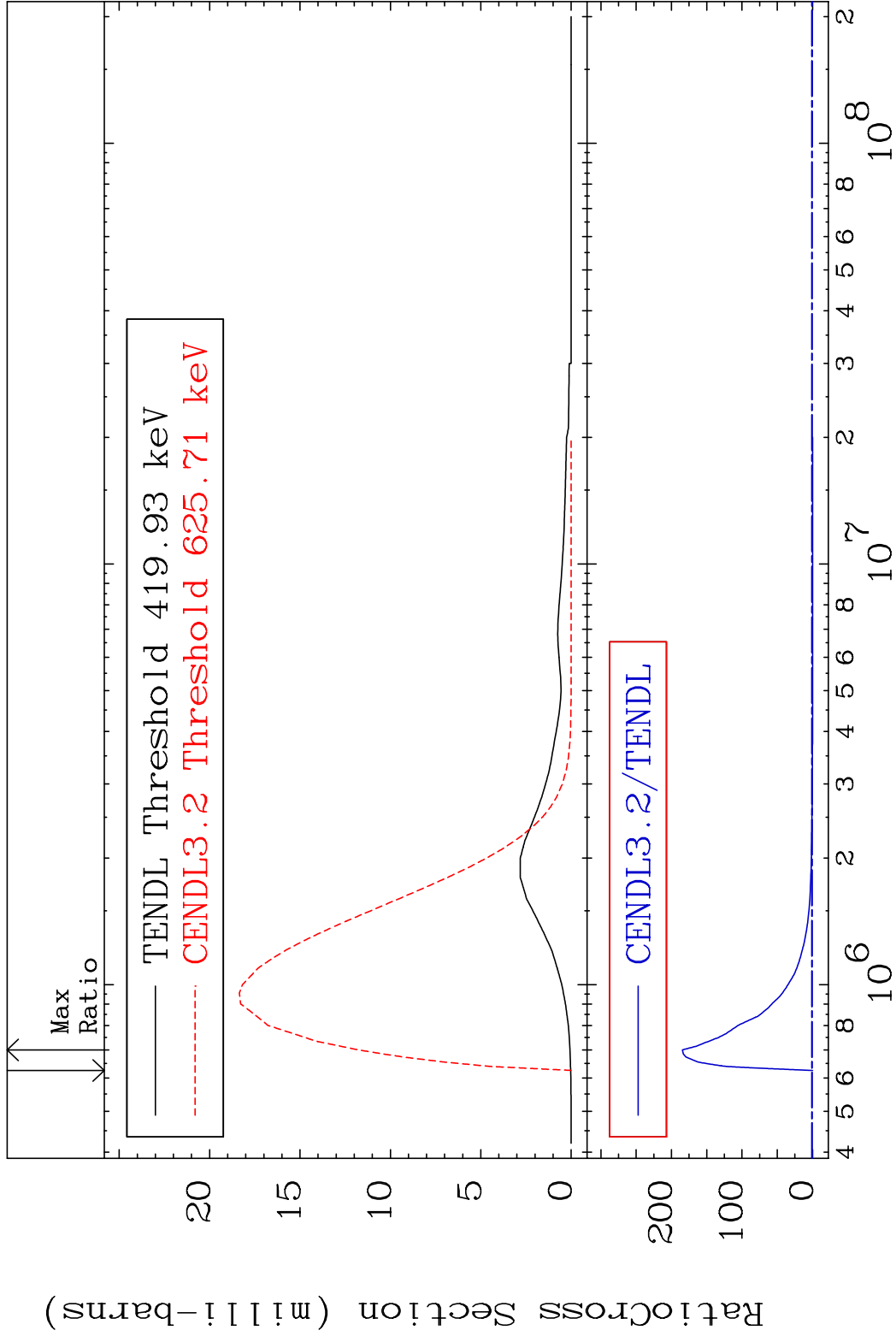
-100.0 To 5421. %



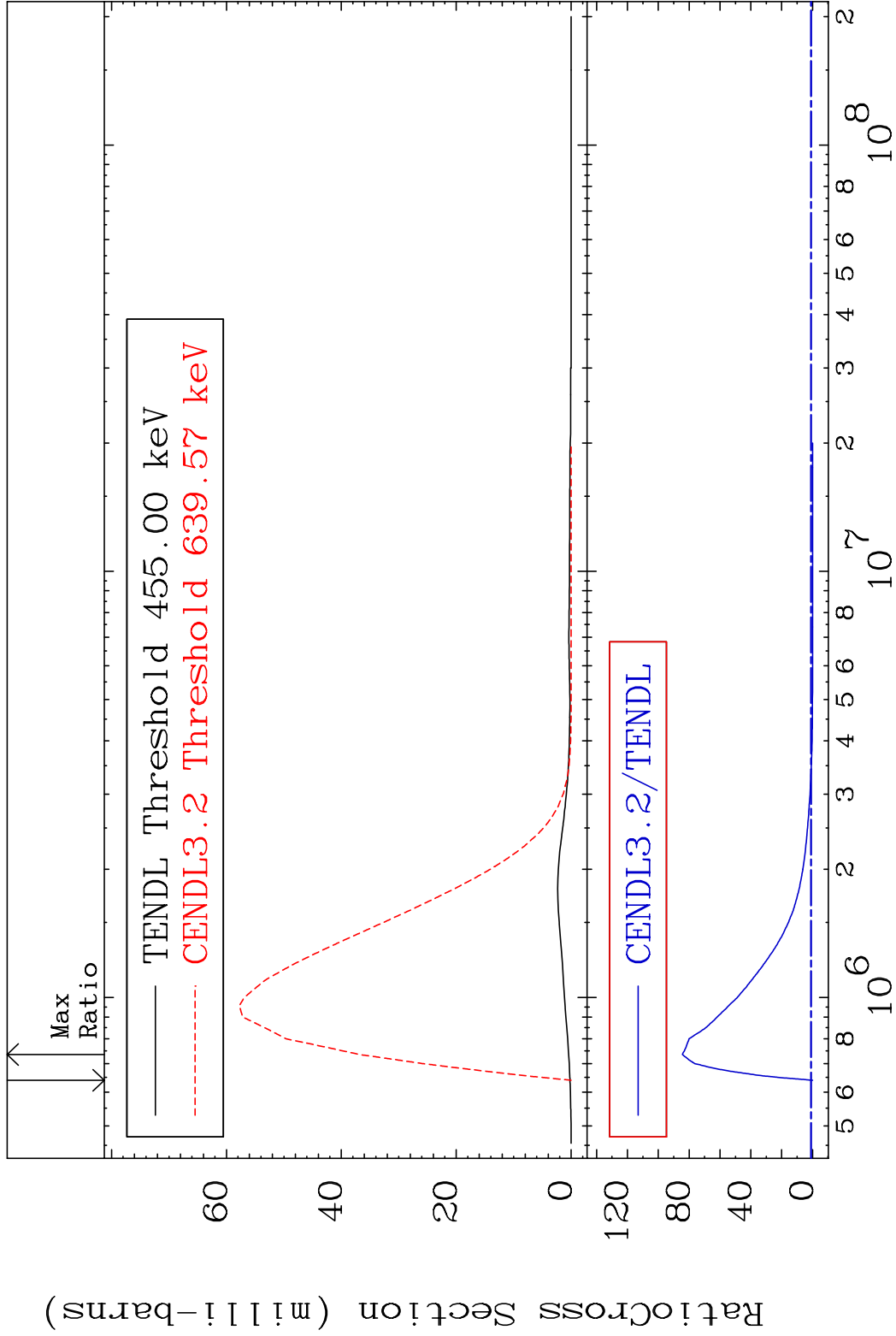
MAT 9543 MT= 62 (n,n') Level 95-Am-241
Cross Section -100.0 To 1293. %



MAT 9543 MT= 63 (n,n') Level 95-Am-241
Cross Section -100.0 To 9999. %

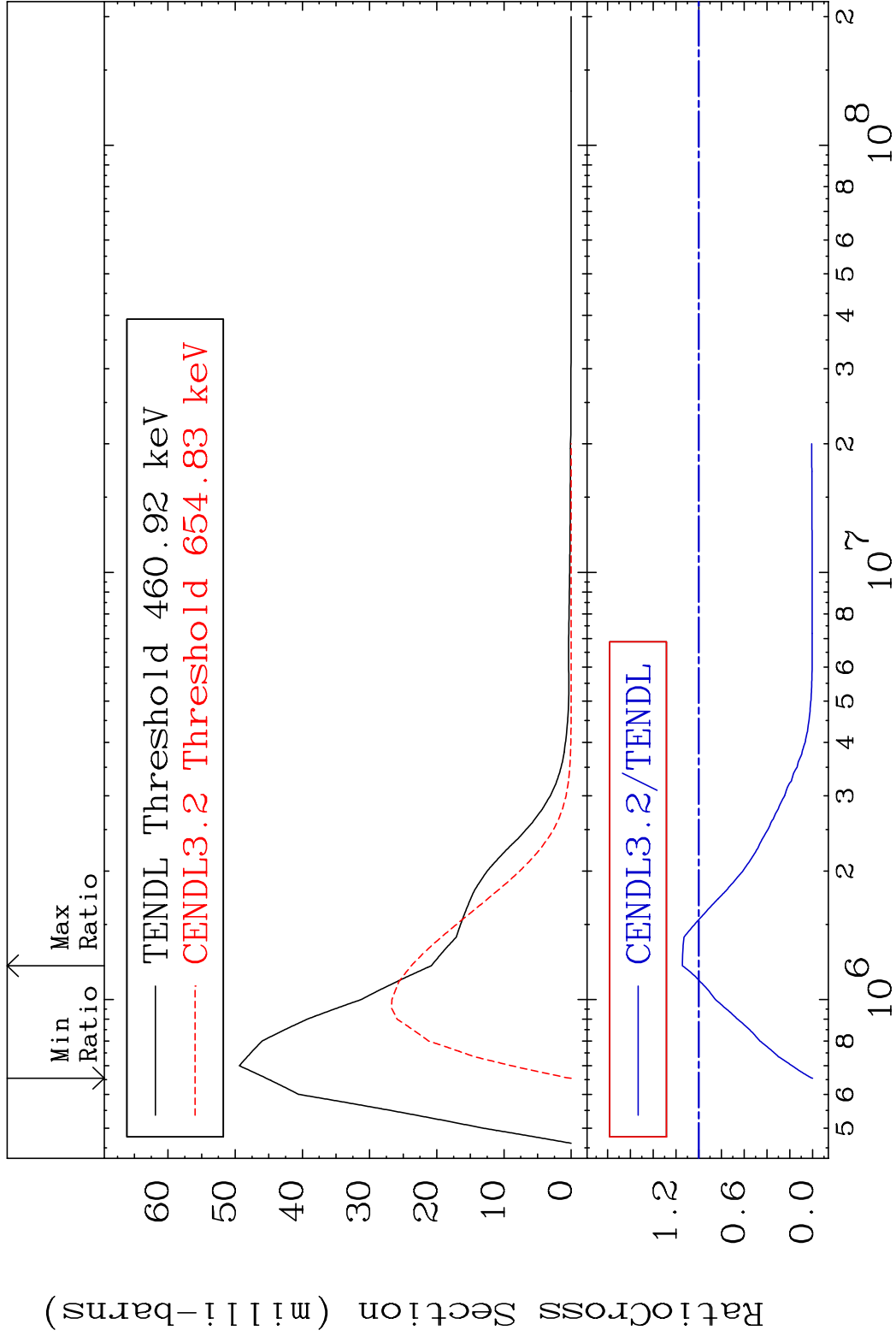


MAT 9543 MT= 64 (n,n') Level 95-Am-241
Cross Section -100.0 To 8341. %

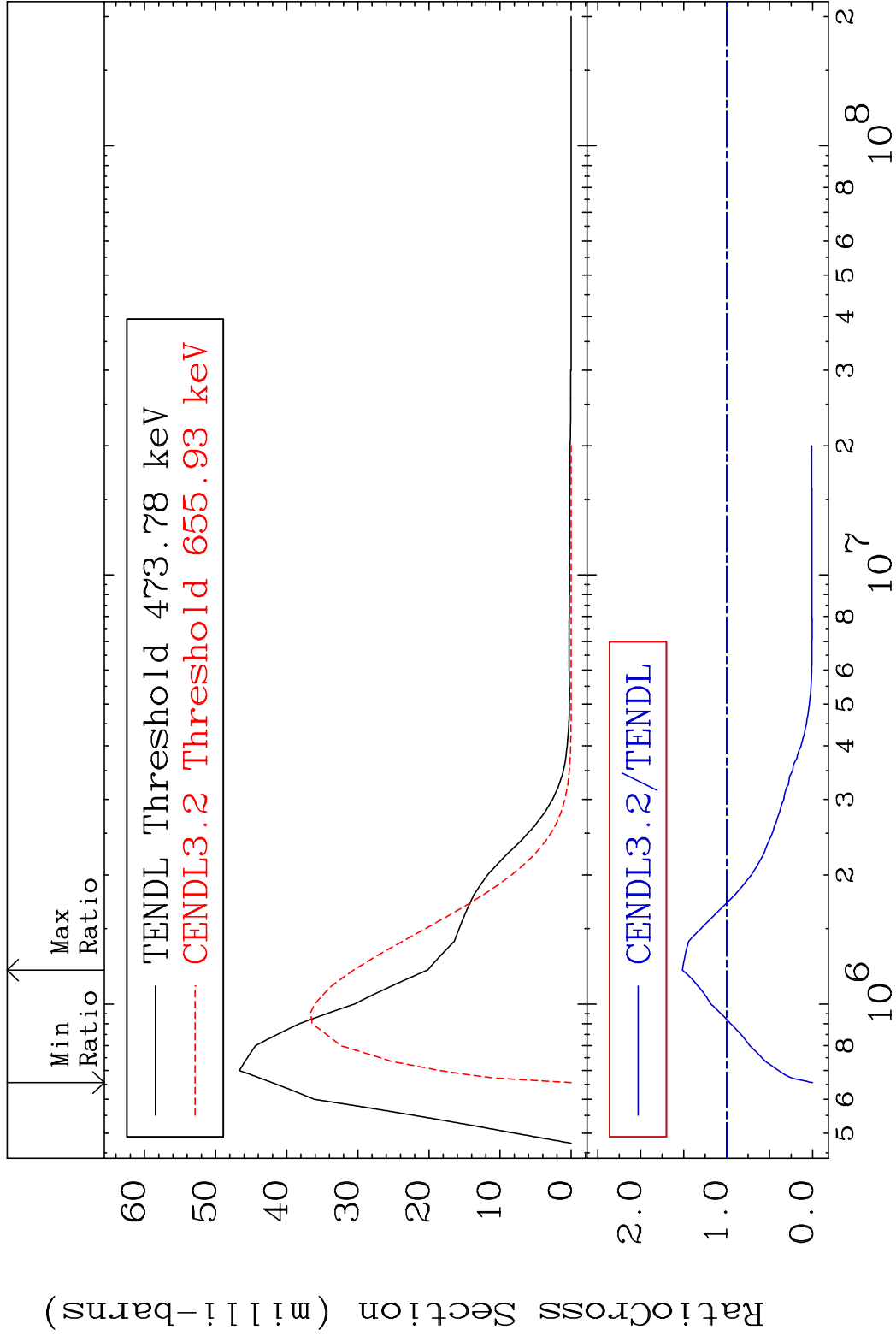


20 Incident Energy (eV) 95-Am-241

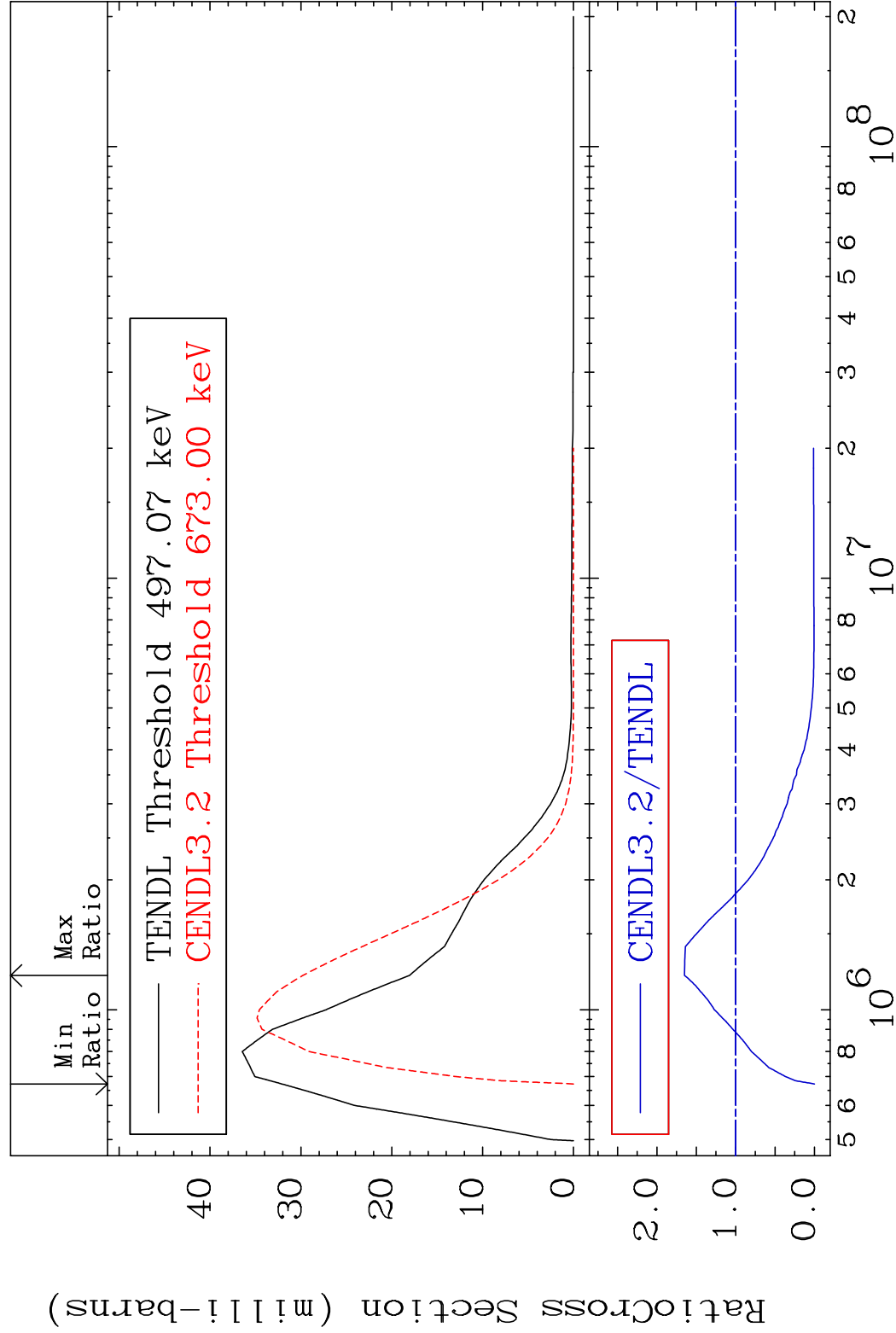
MAT 9543 MT= 65 (n,n') Level 95-Am-241
Cross Section -100.0 To 14.37 %



MAT 9543 MT= 66 (n,n') Level 95-Am-241
Cross Section -100.0 To 51.53 %



MAT 9543 MT= 67 (n,n') Level 95-Am-241
Cross Section -100.0 To 65.05 %



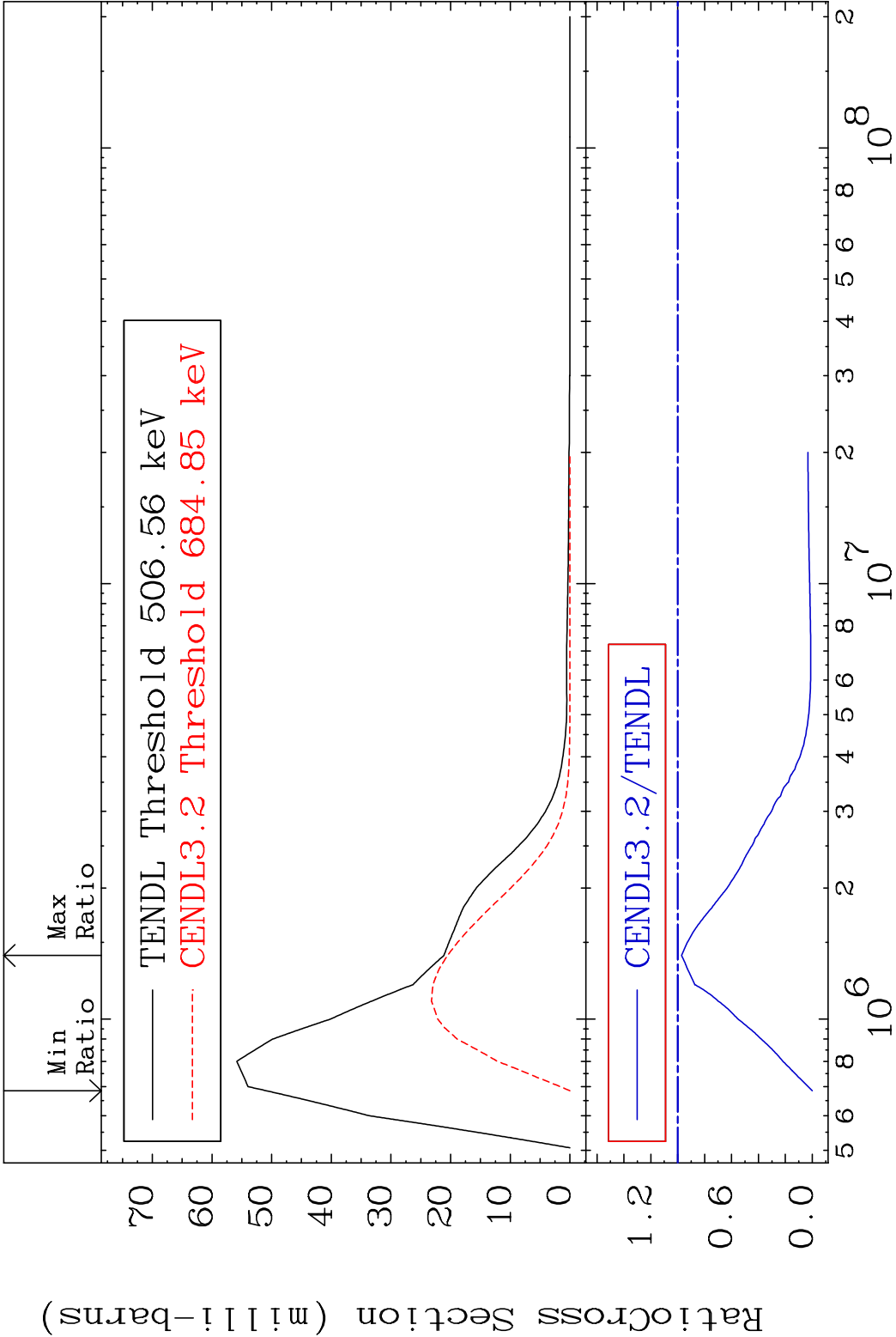
MAT 9543

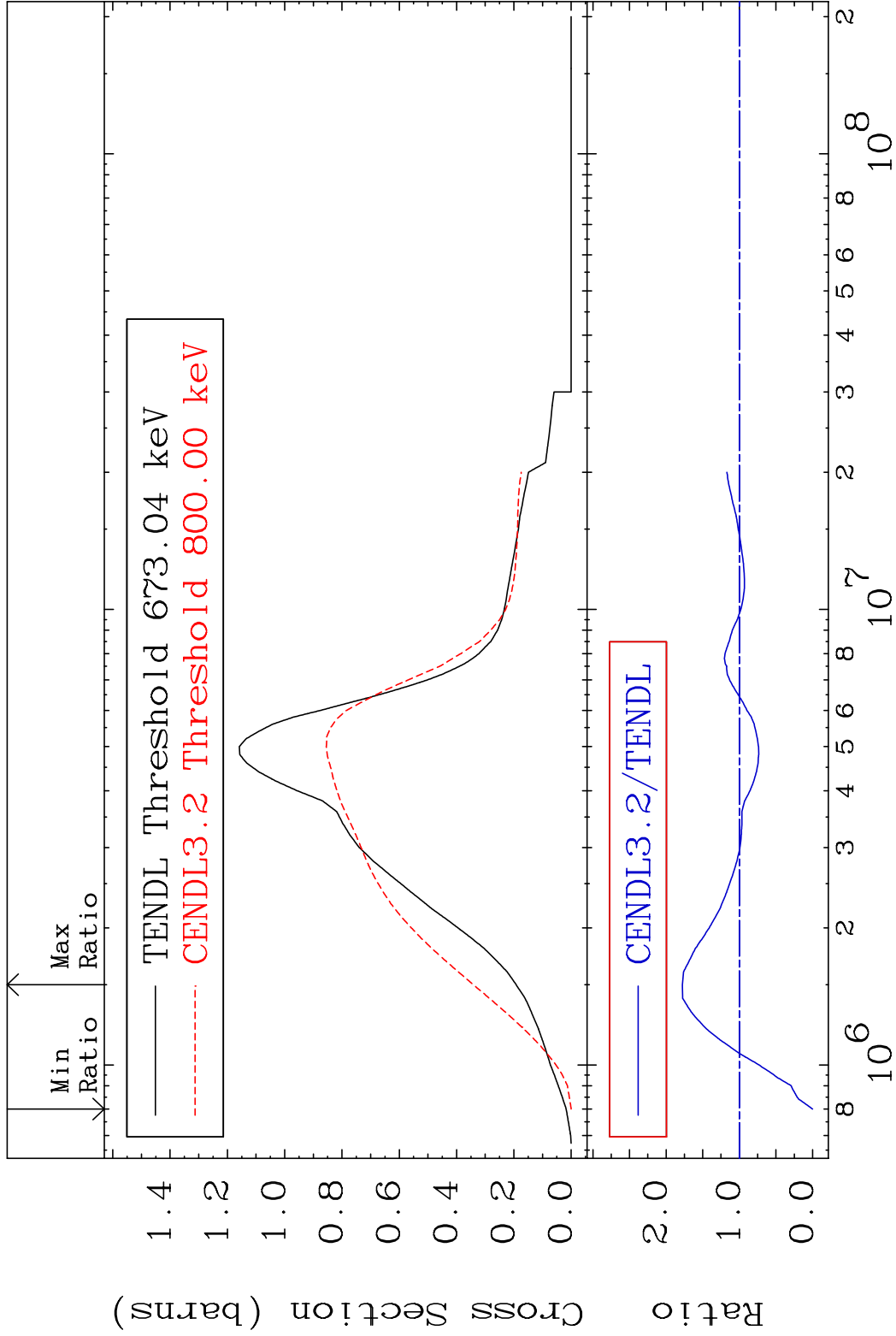
MT= 68 (n,n') Level

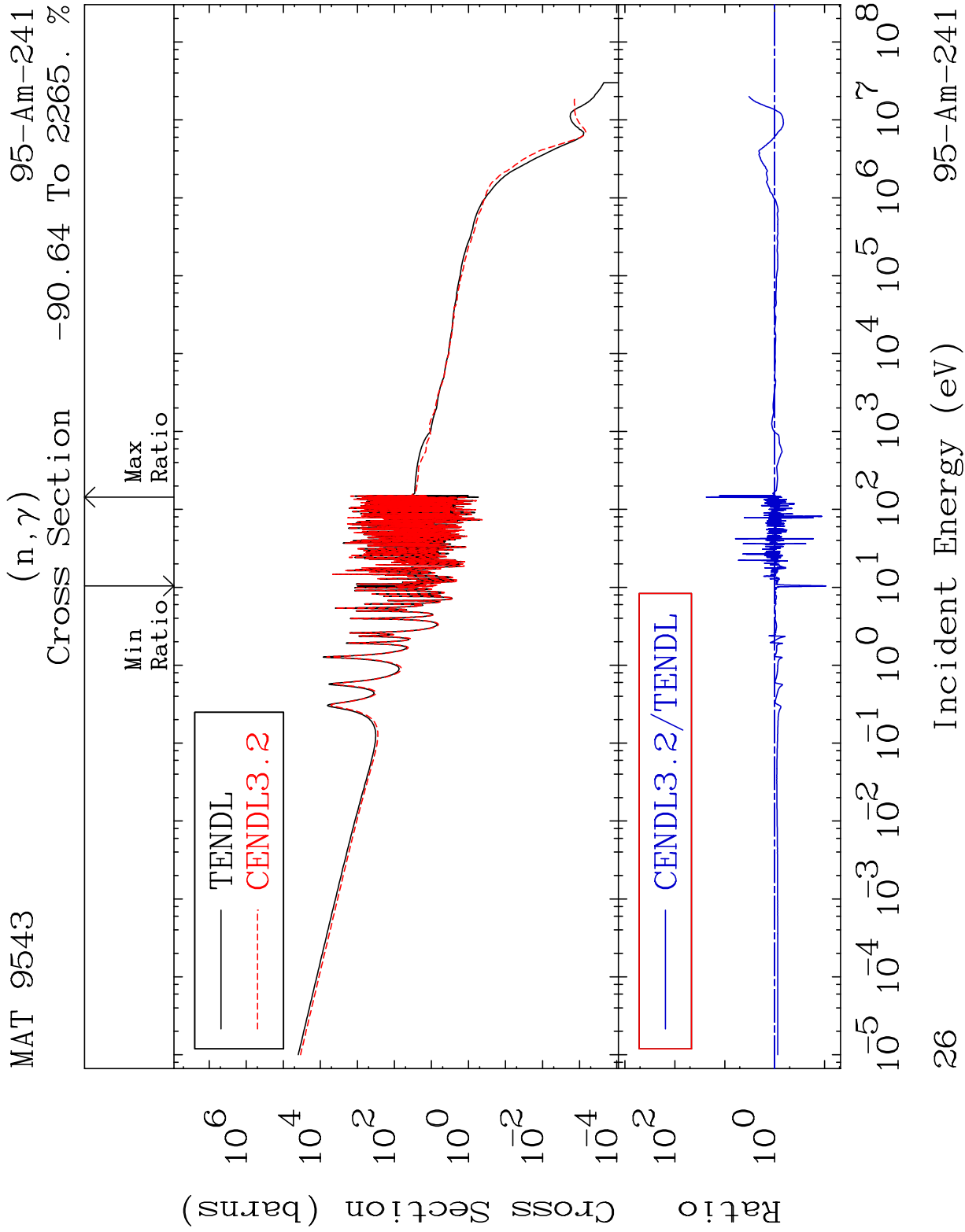
95-Am-241

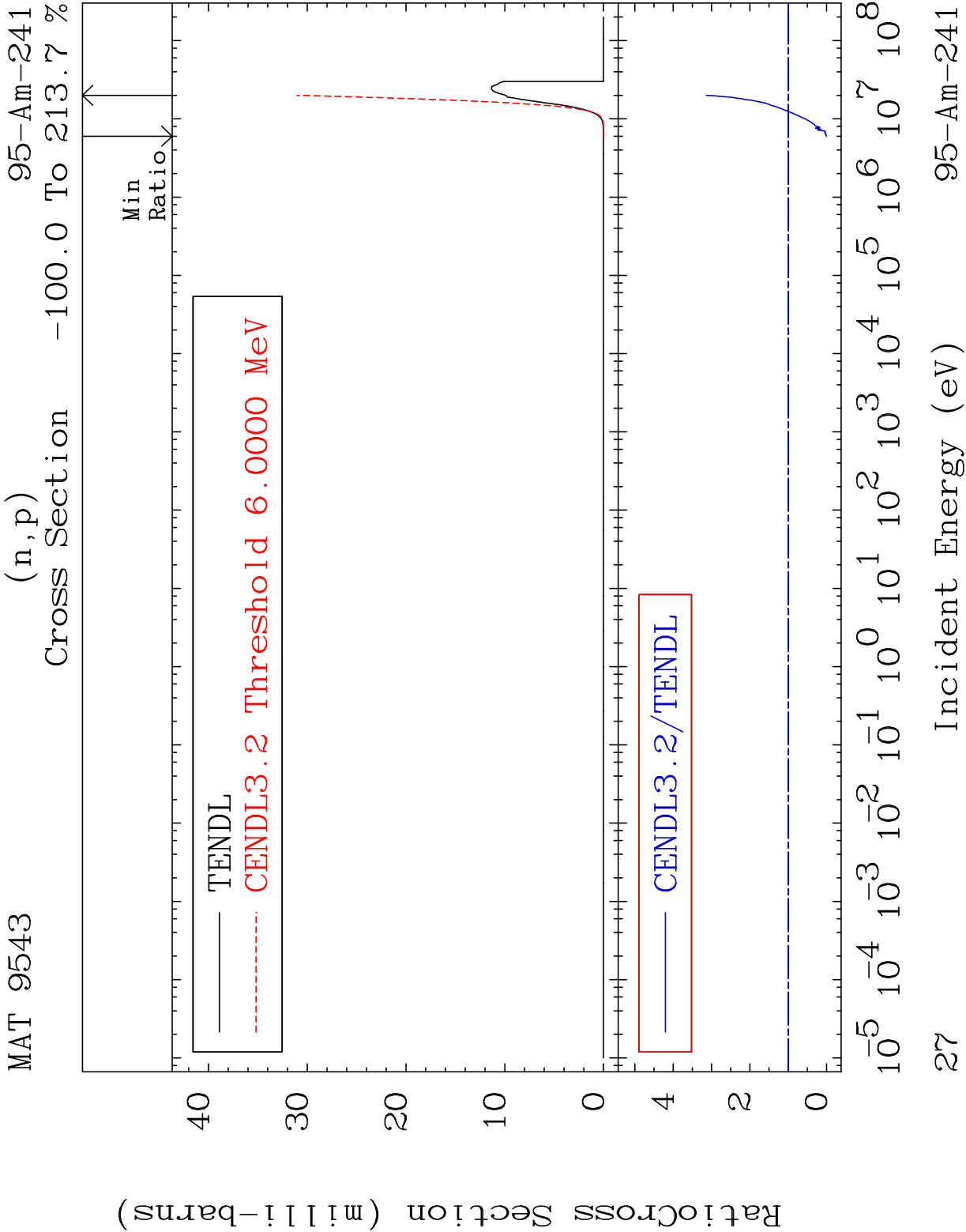
Cross Section

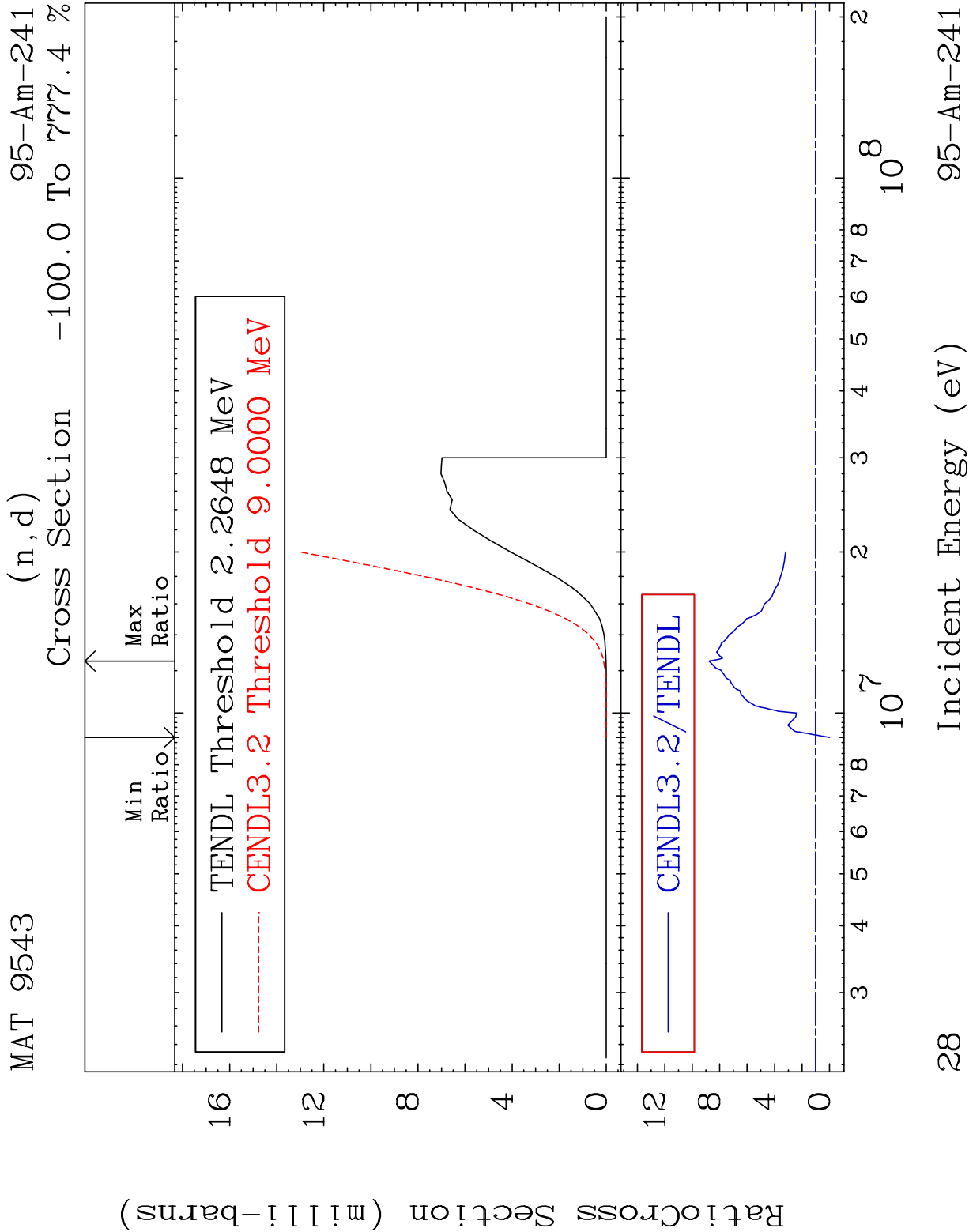
-100.0 To -2.830%

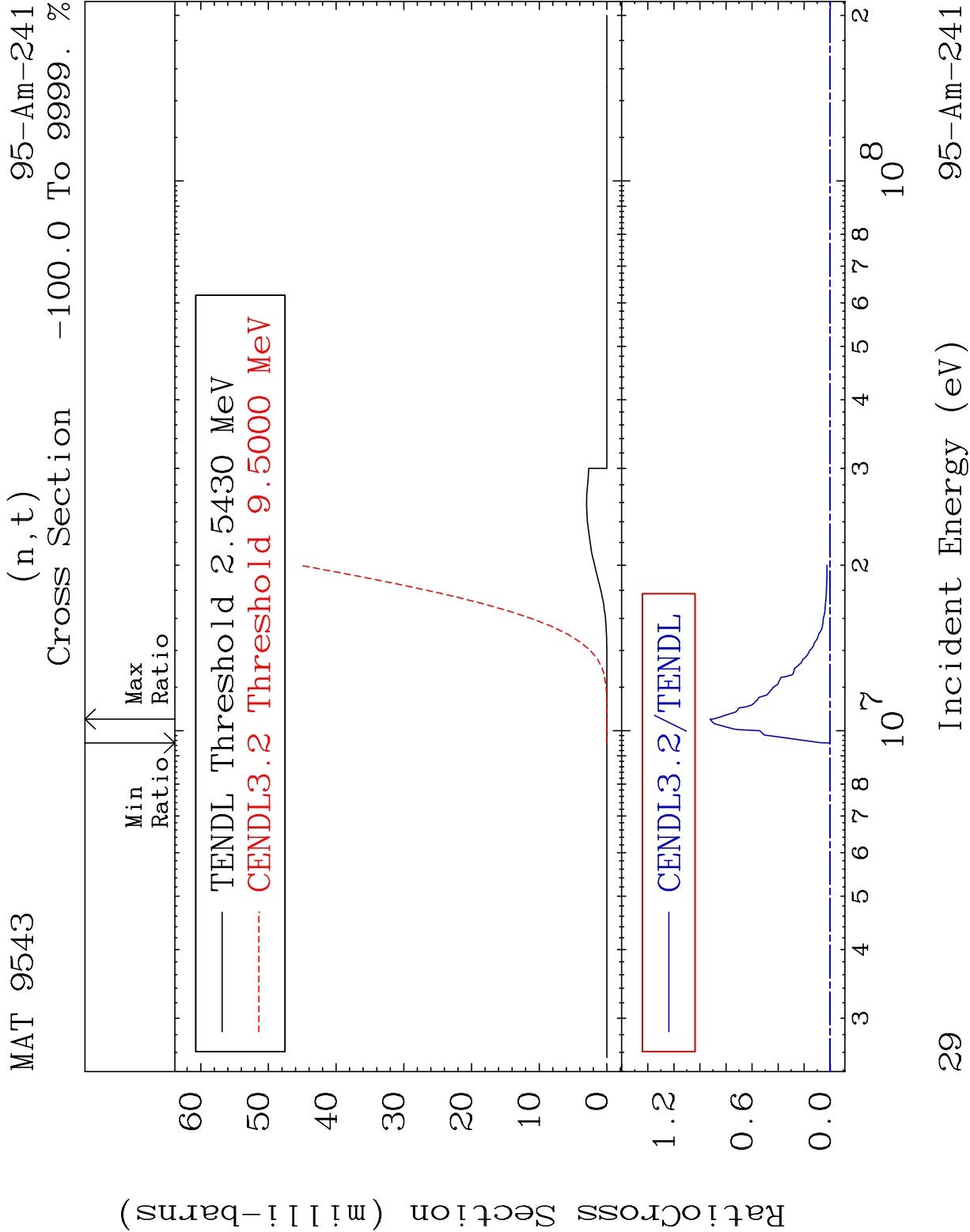










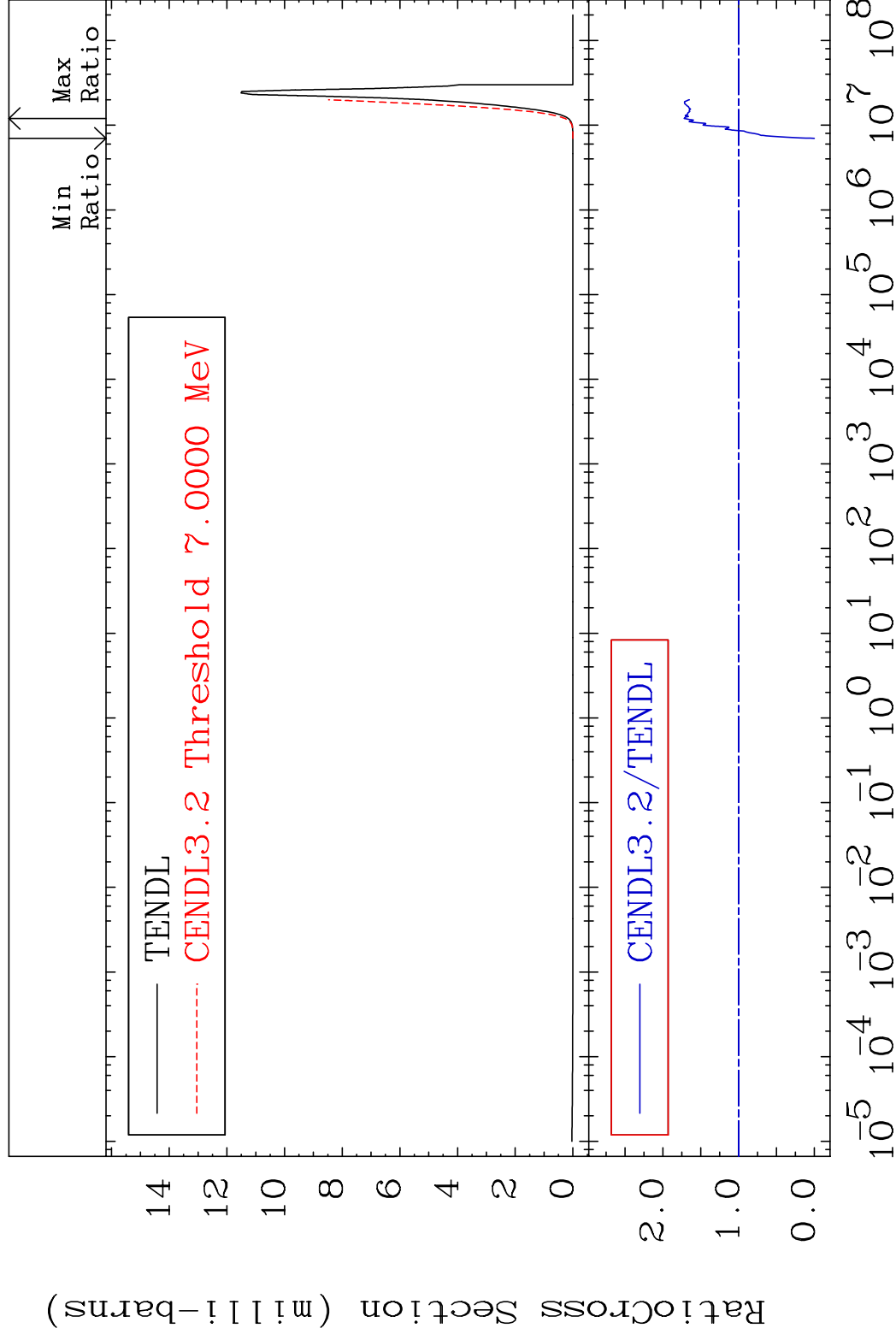


MAT 9543

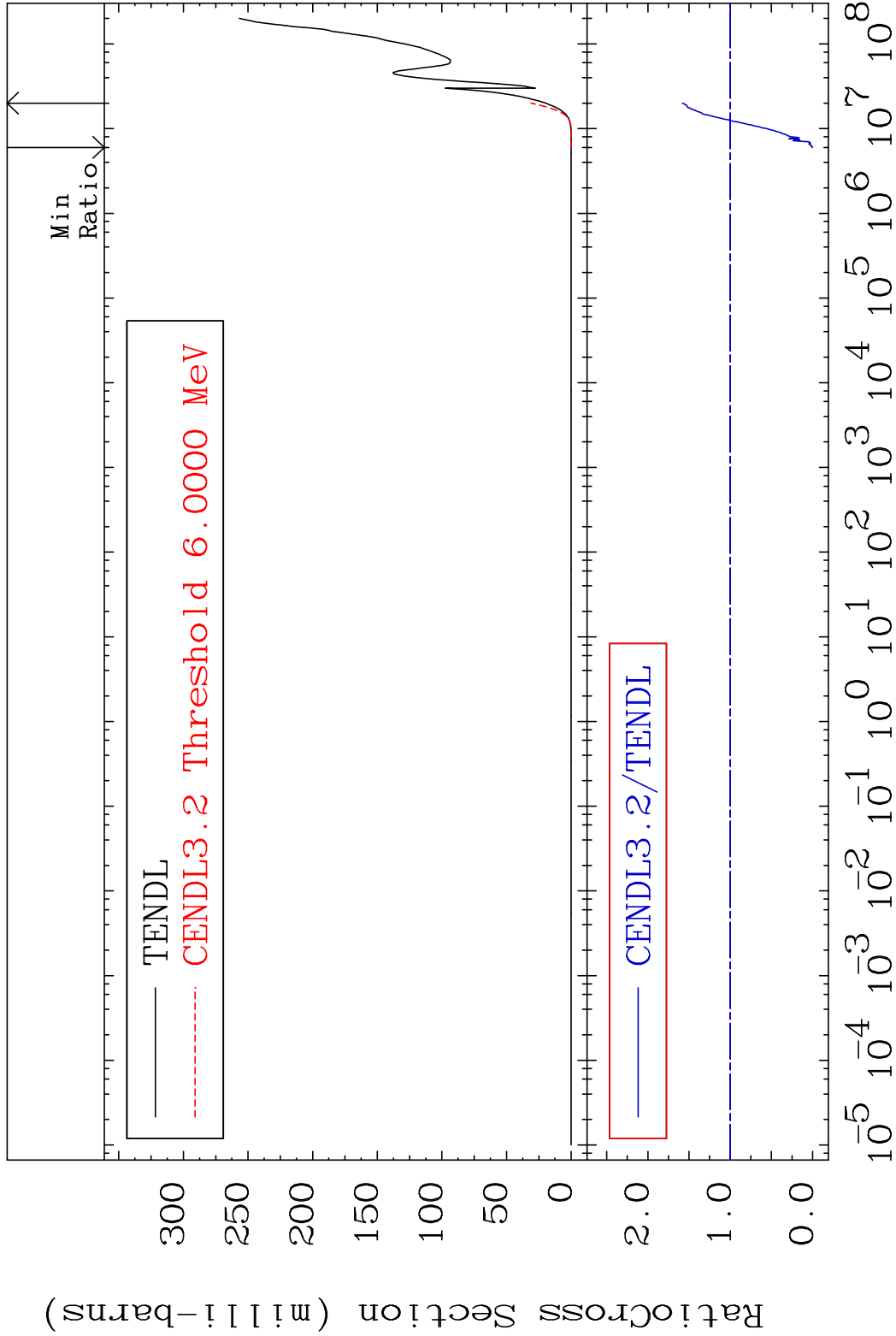
$$(n, \alpha)$$

95-Am-241

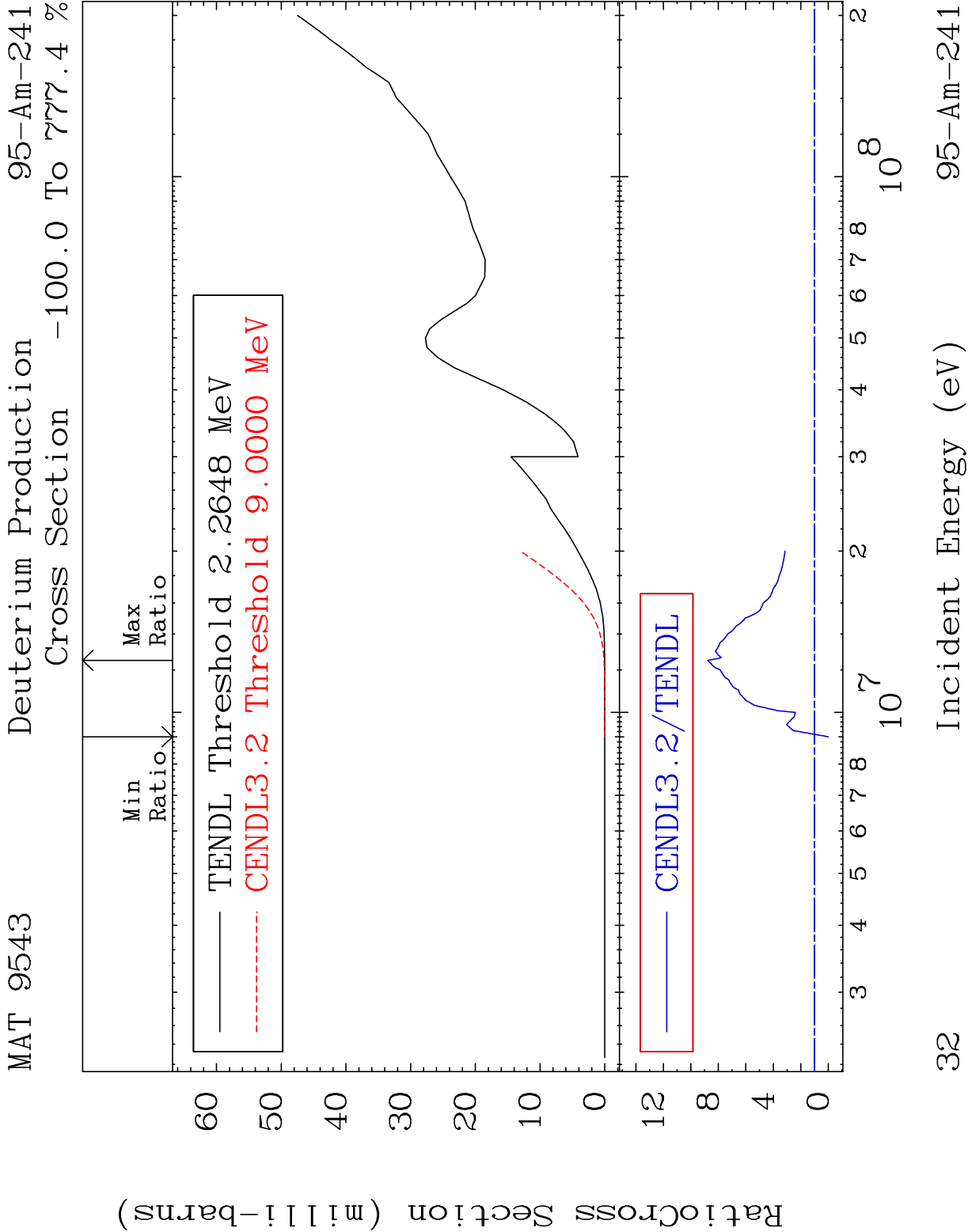
Cross Section	-100.0 To 71.99 %

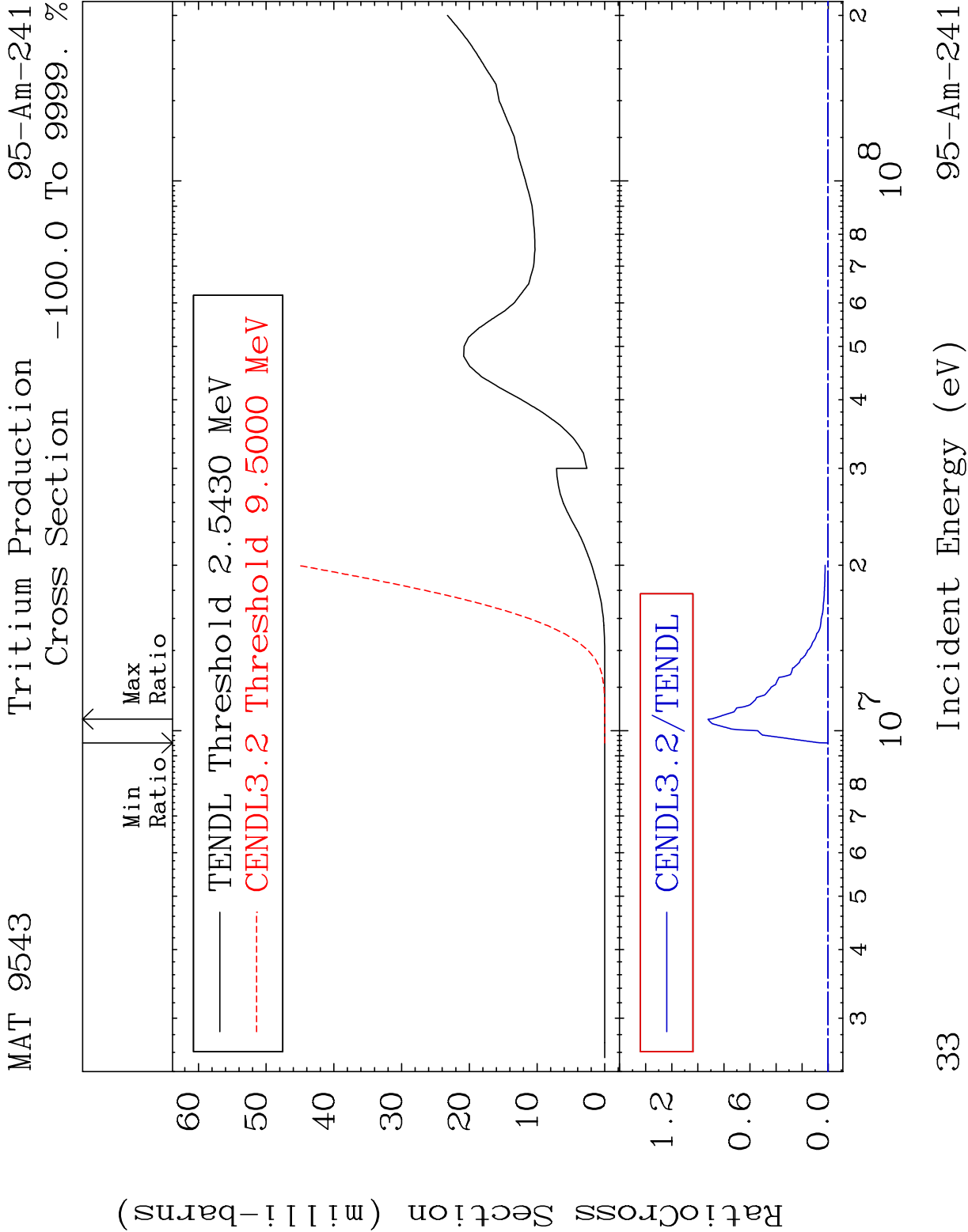


MAT 9543	Hydrogen Production	95-Am-241
	Cross Section	-100.0 To 58.11 %

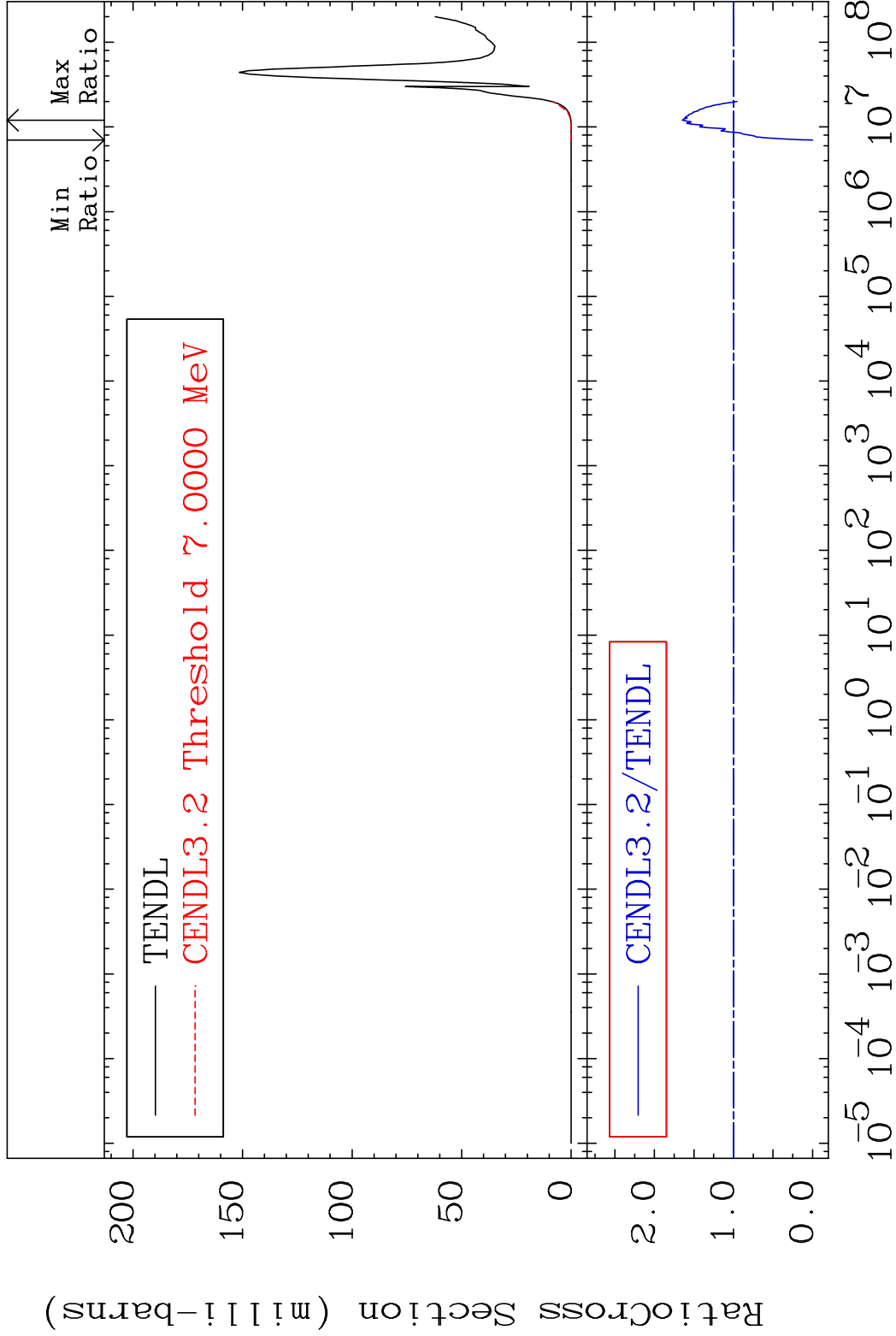


31	Incident Energy (eV)	95-Am-241
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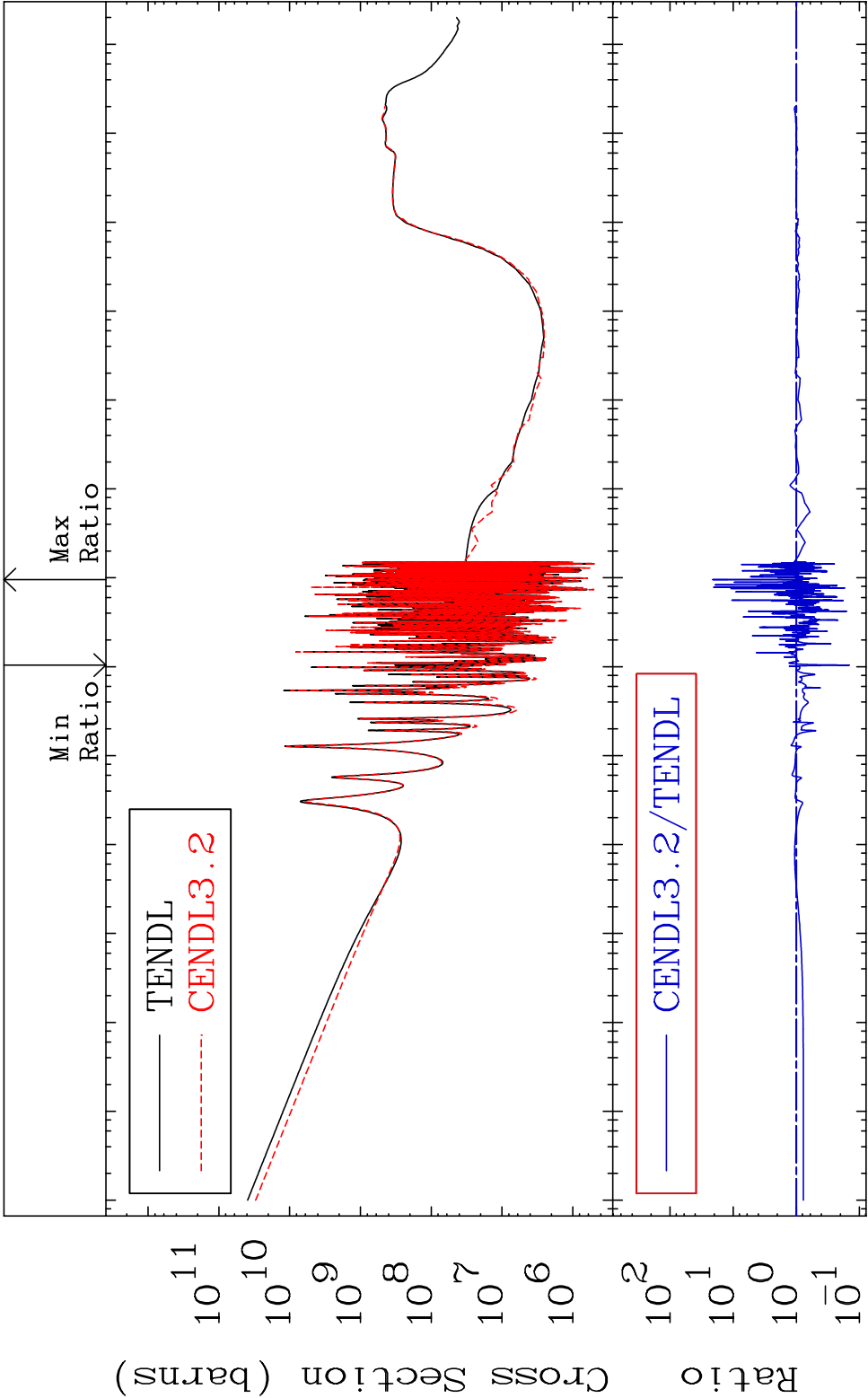




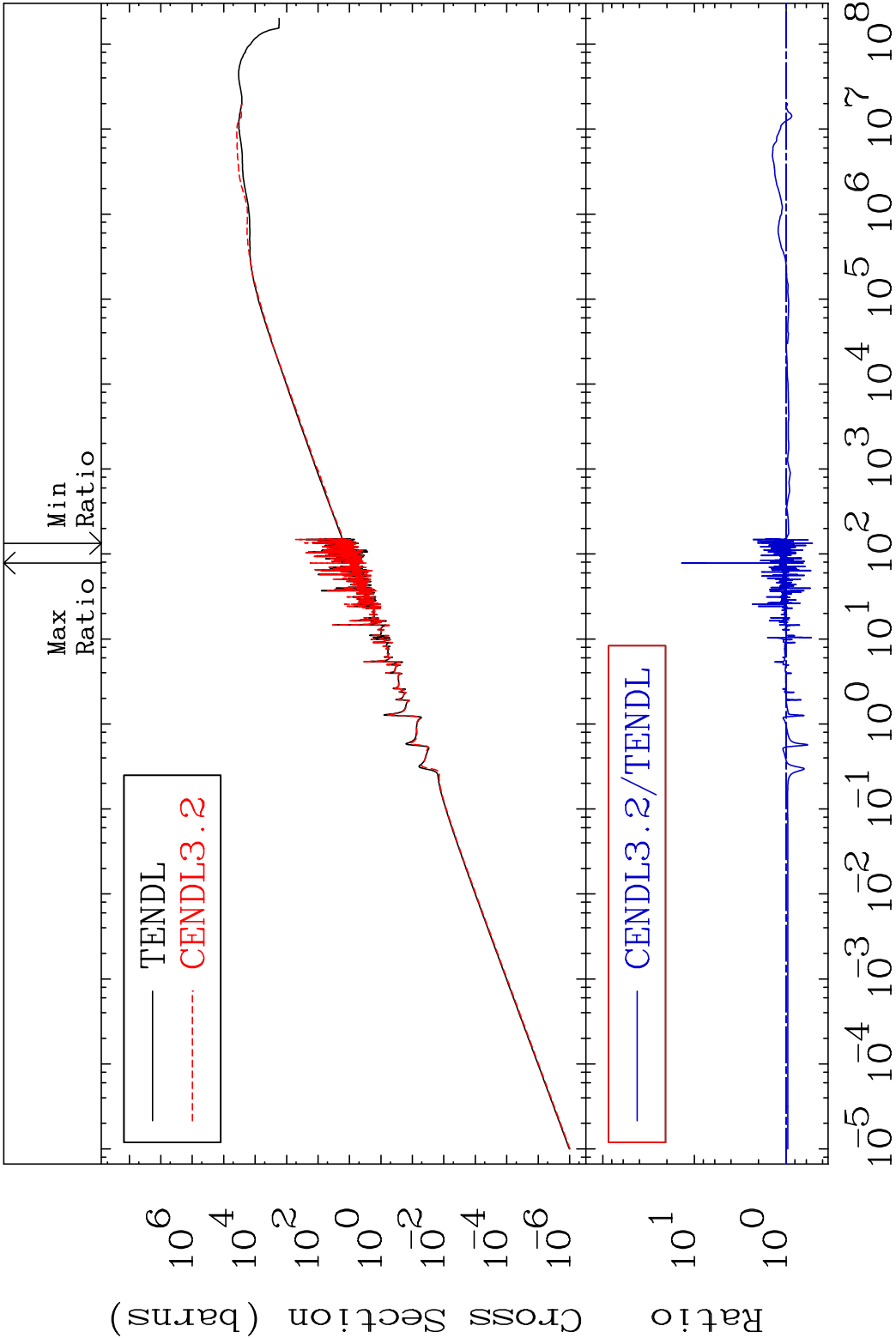
MAT 9543 He-4 Production 95-Am-241
Cross Section -100.0 To 64.68 %



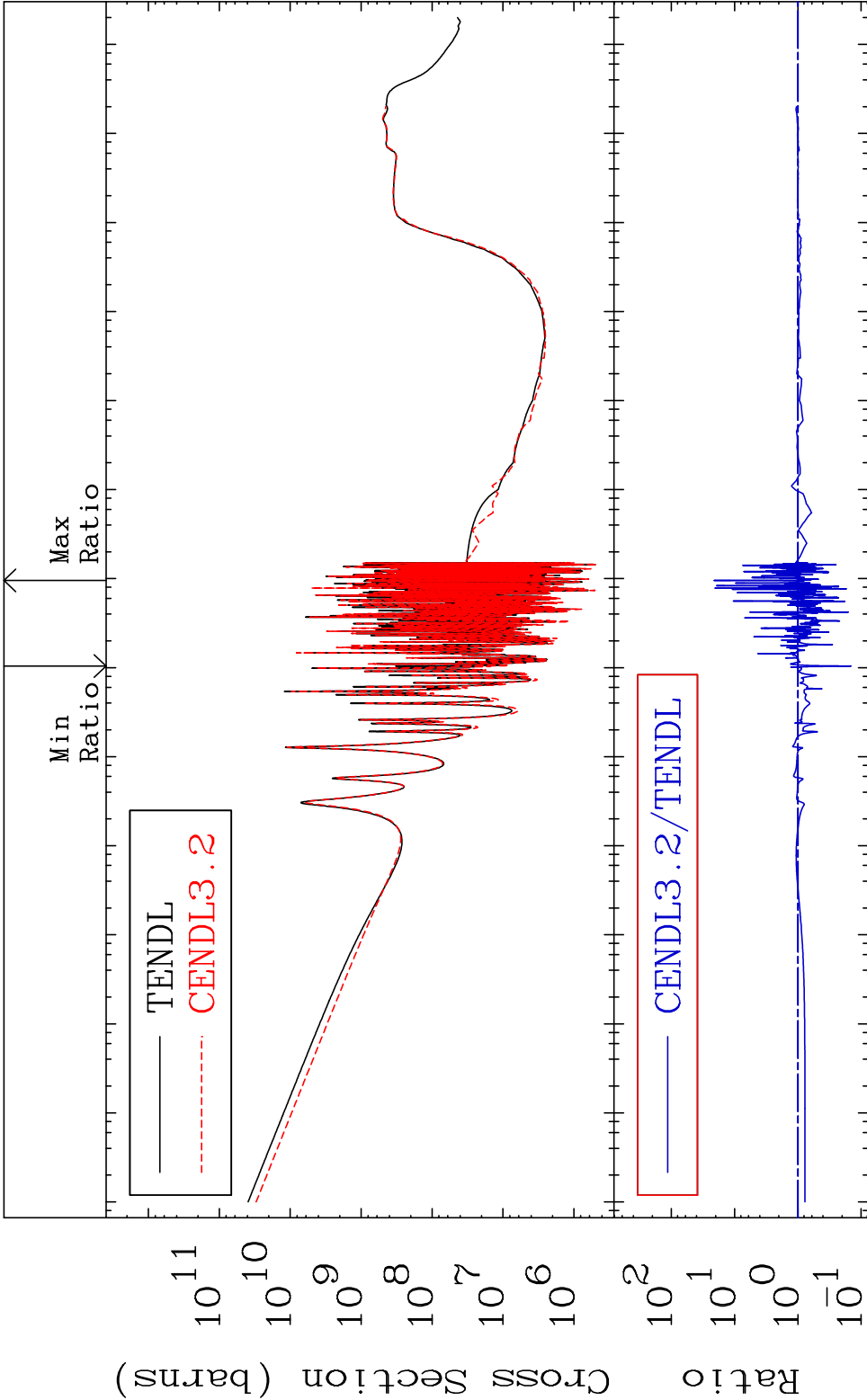
34 Incident Energy (eV) 95-Am-241



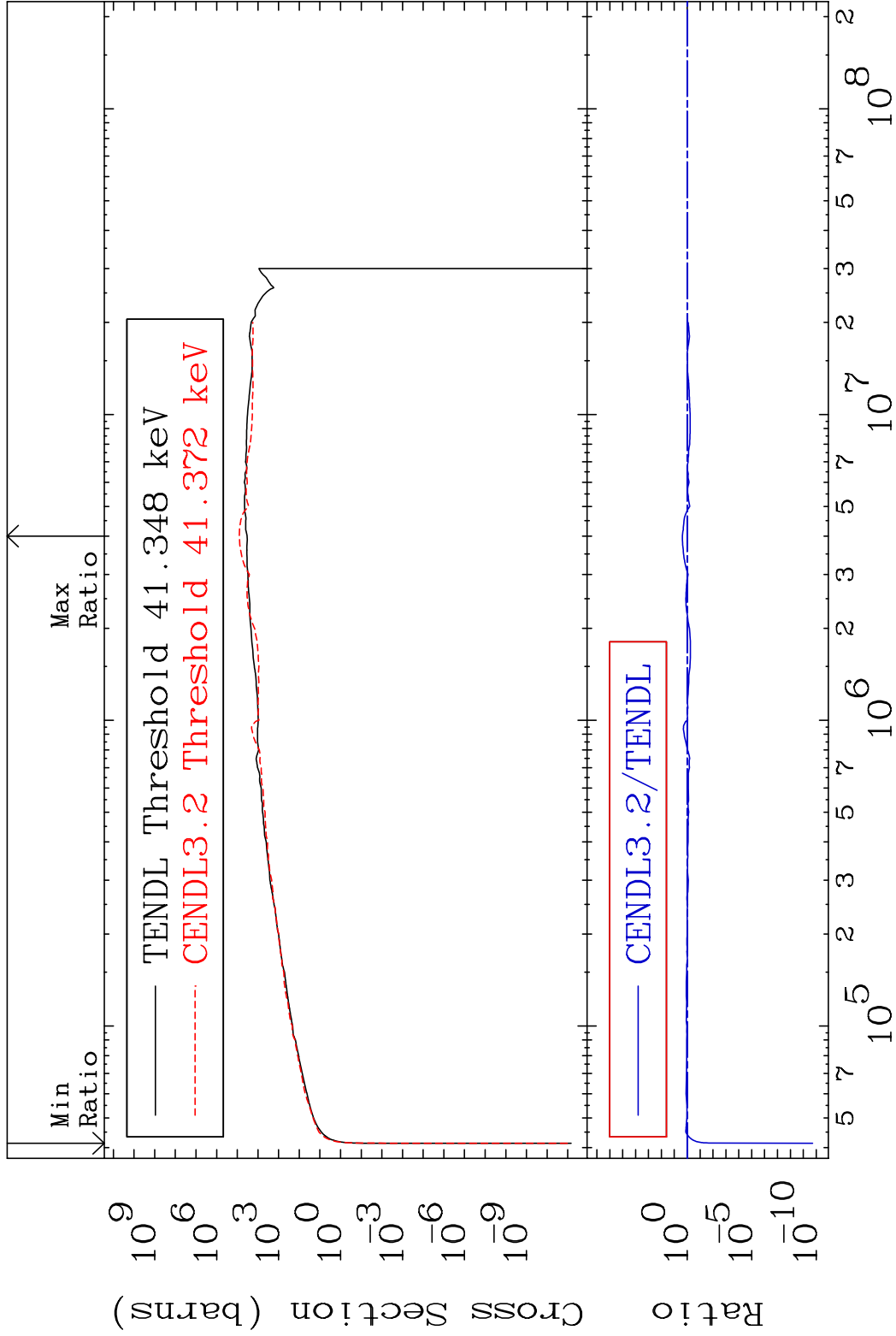
MAT 9543	Kerma elastic	95-Am-241
	Cross Section	-48.19 To 1285. %



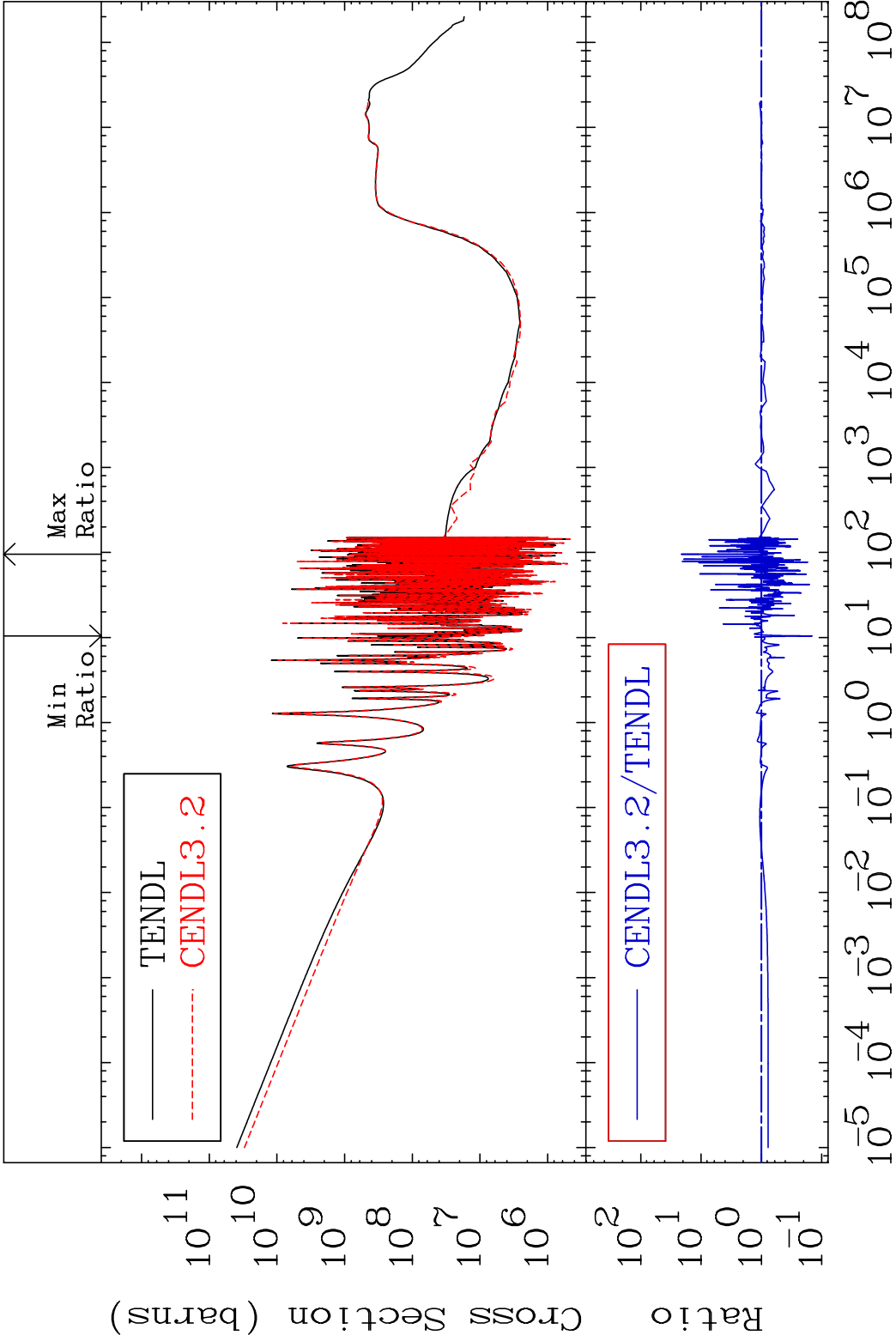
MAT 9543 Kerma non-elastic (all but mt2) 95-Am-241
 Cross Section -85.65 To 2005. %



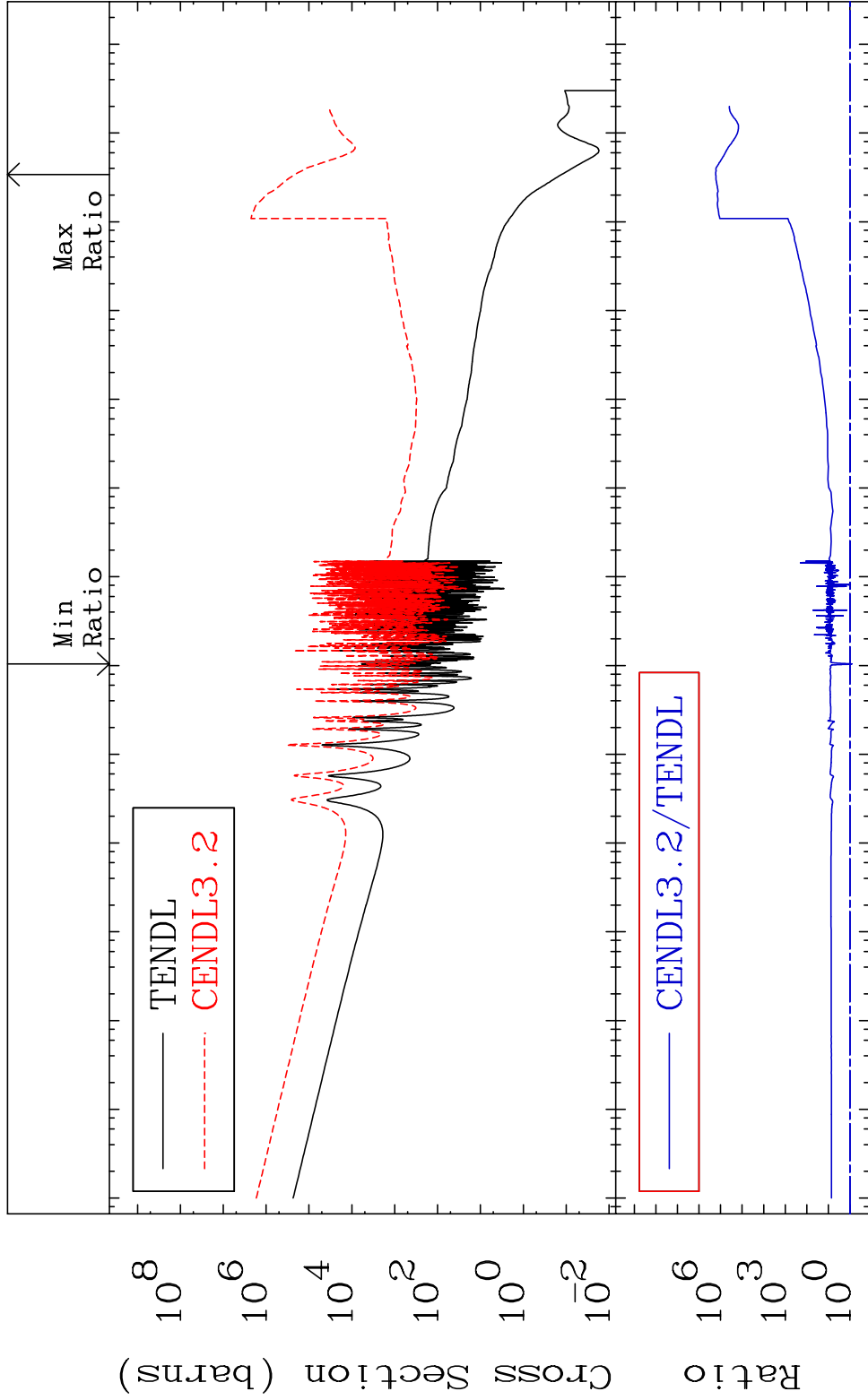
MAT 9543 Kerma inelastic (mt51-91) 95-Am-241
Cross Section -100.0 To 136.3 %



MAT 9543Kerma fission (mt18 or mt19-20-21-38)95-Am-241
Cross Section -85.66 To 2005. %

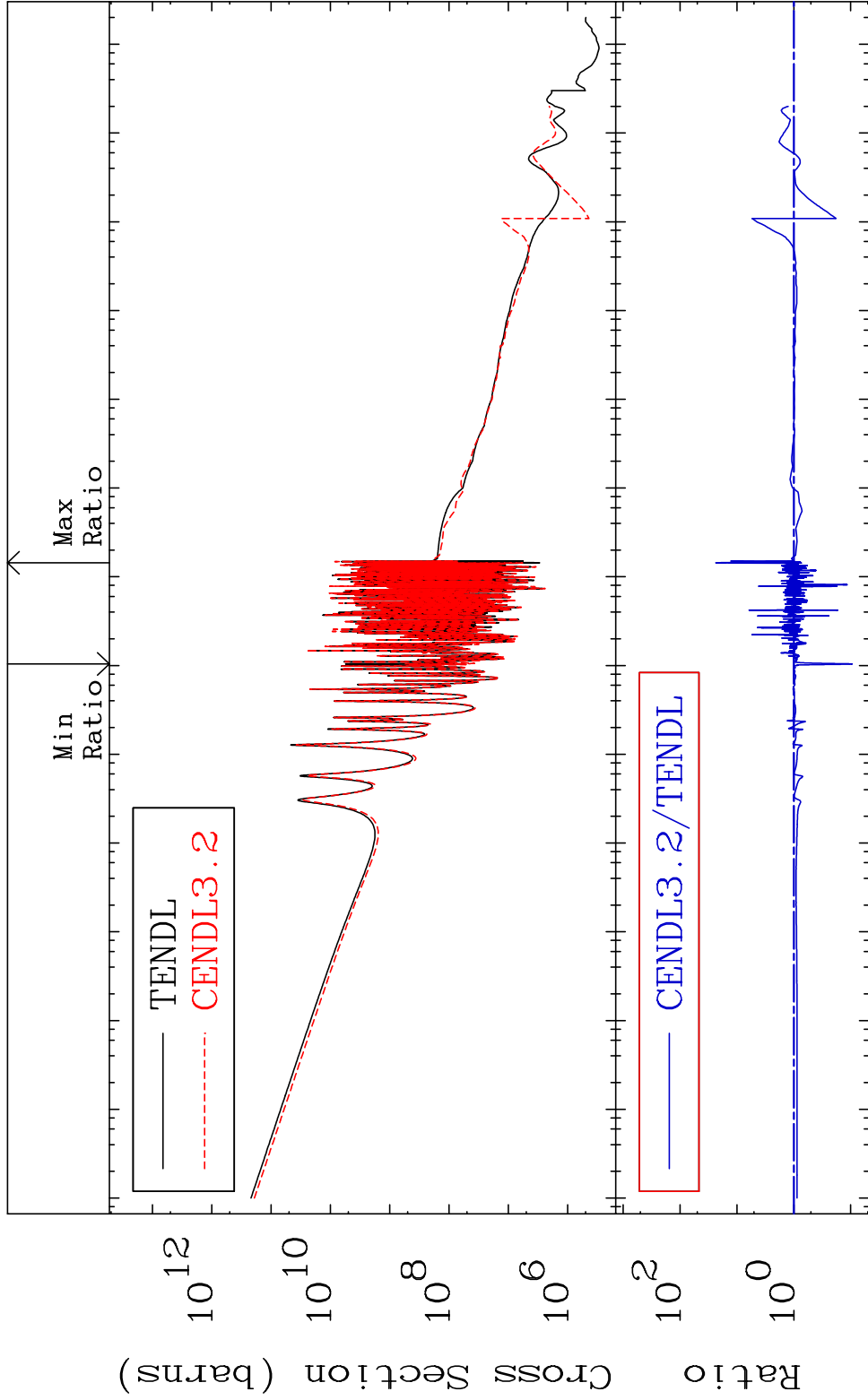


MAT 9543 Kerma capture (mt102) 95-Am-241
Cross Section -21.79 To 9999. %



40 Incident Energy (eV) 95-Am-241

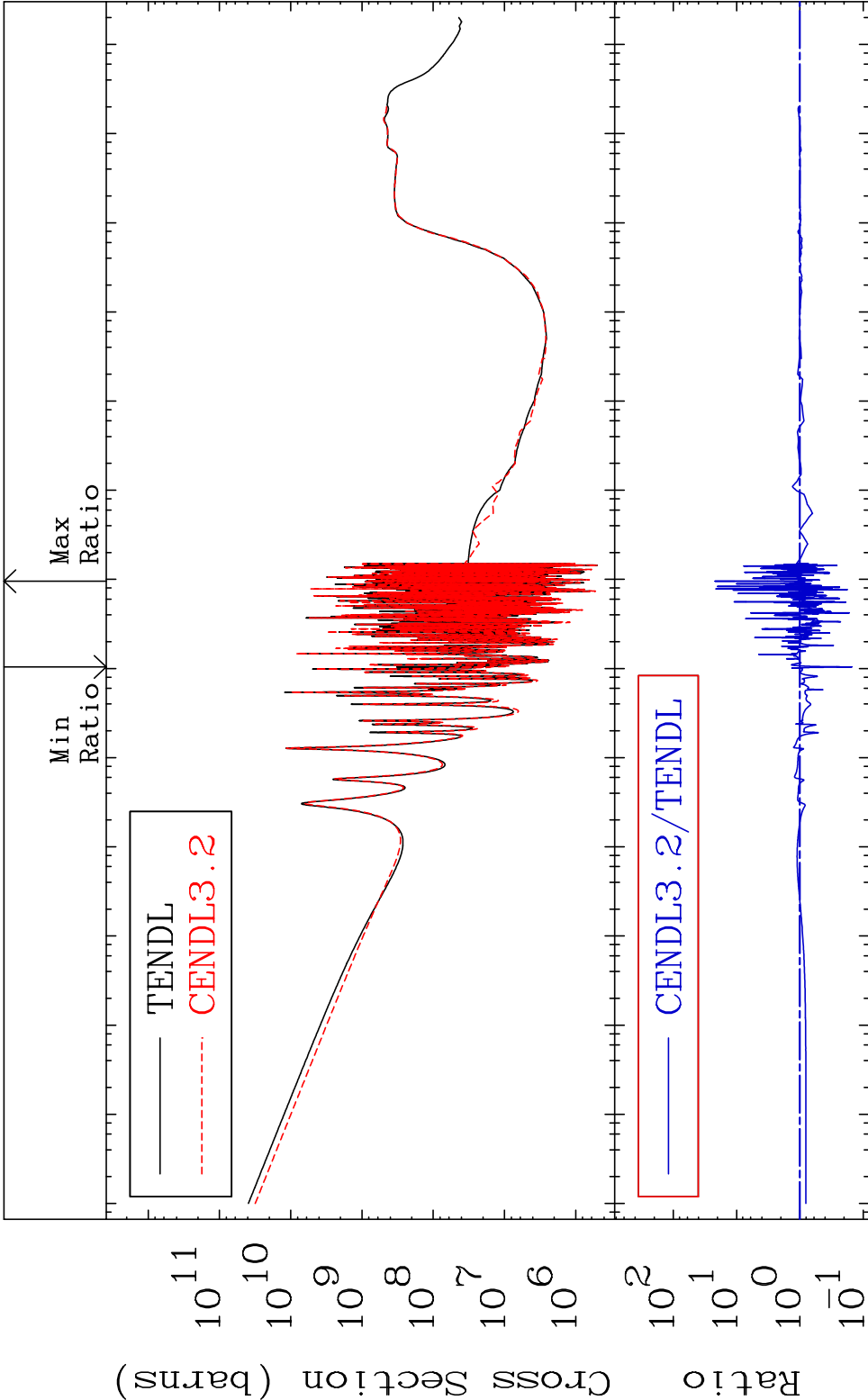
MAT 9543 Total photon (eV-barns) 95-Am-241
Cross Section -90.60 To 2266. %



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

41 Incident Energy (eV) 95-Am-241

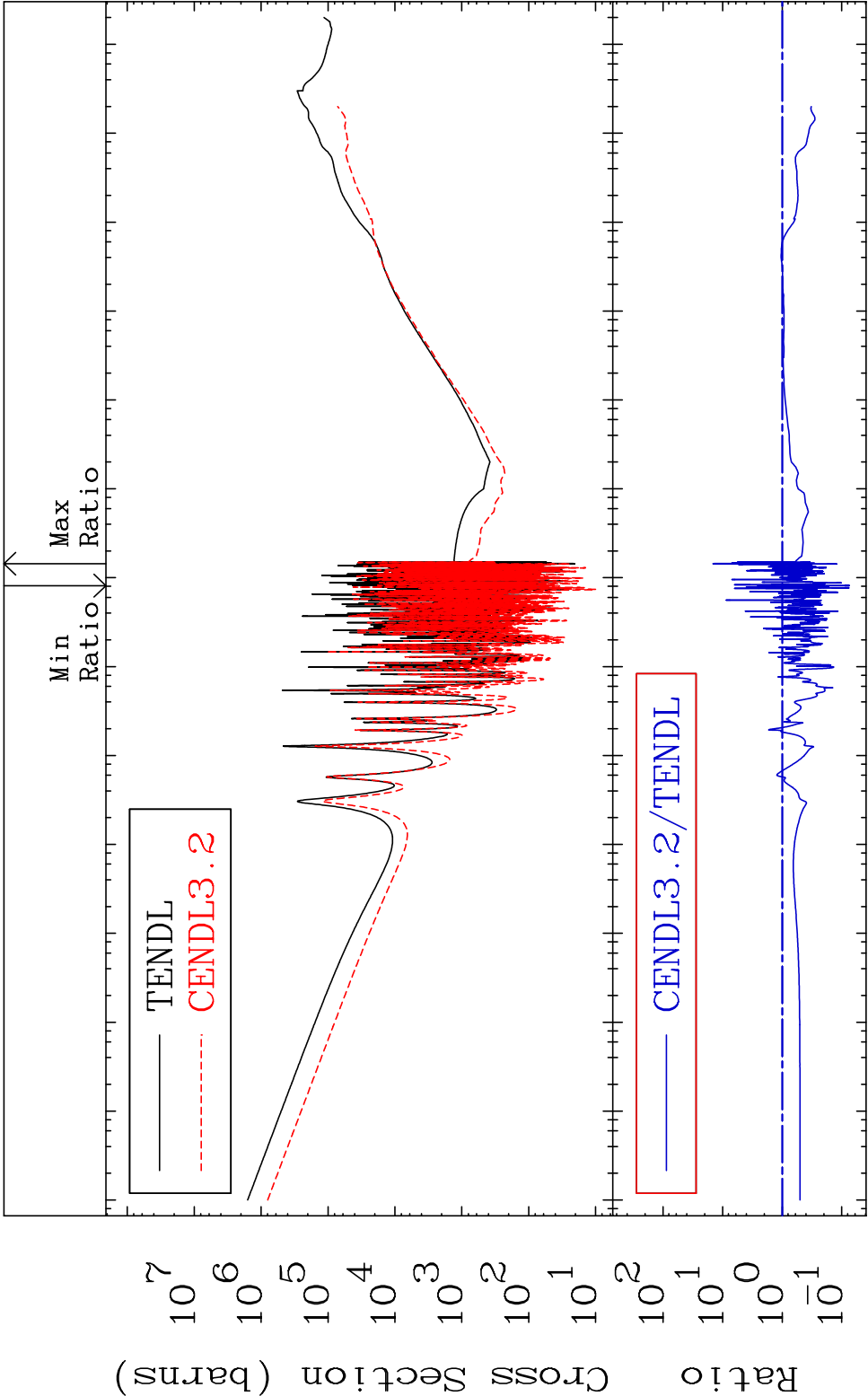
MAT 9543 Total kinematic kerma (high limit) 95-Am-241
Cross Section -85.06 To 2092. %



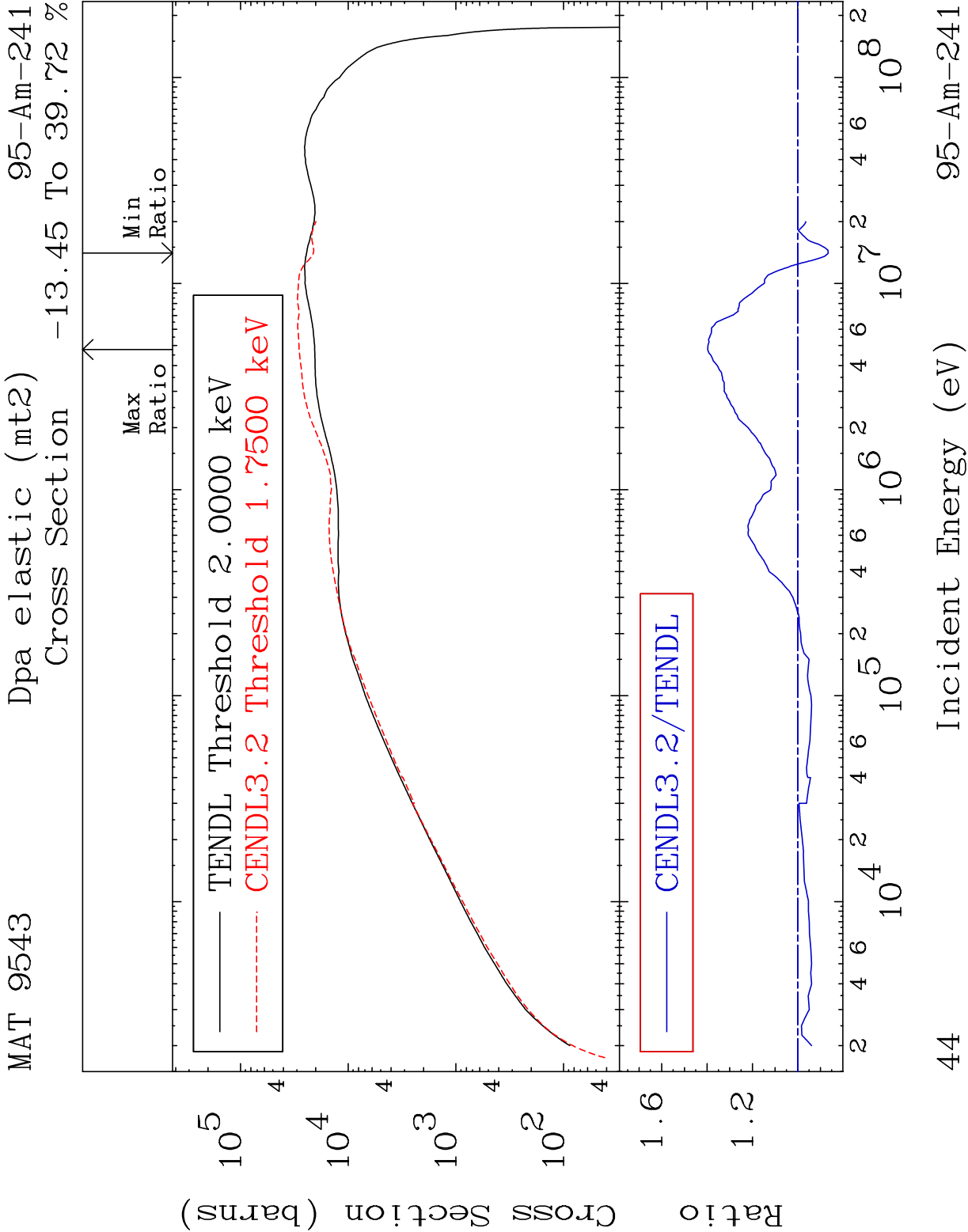
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

42 Incident Energy (eV) 95-Am-241

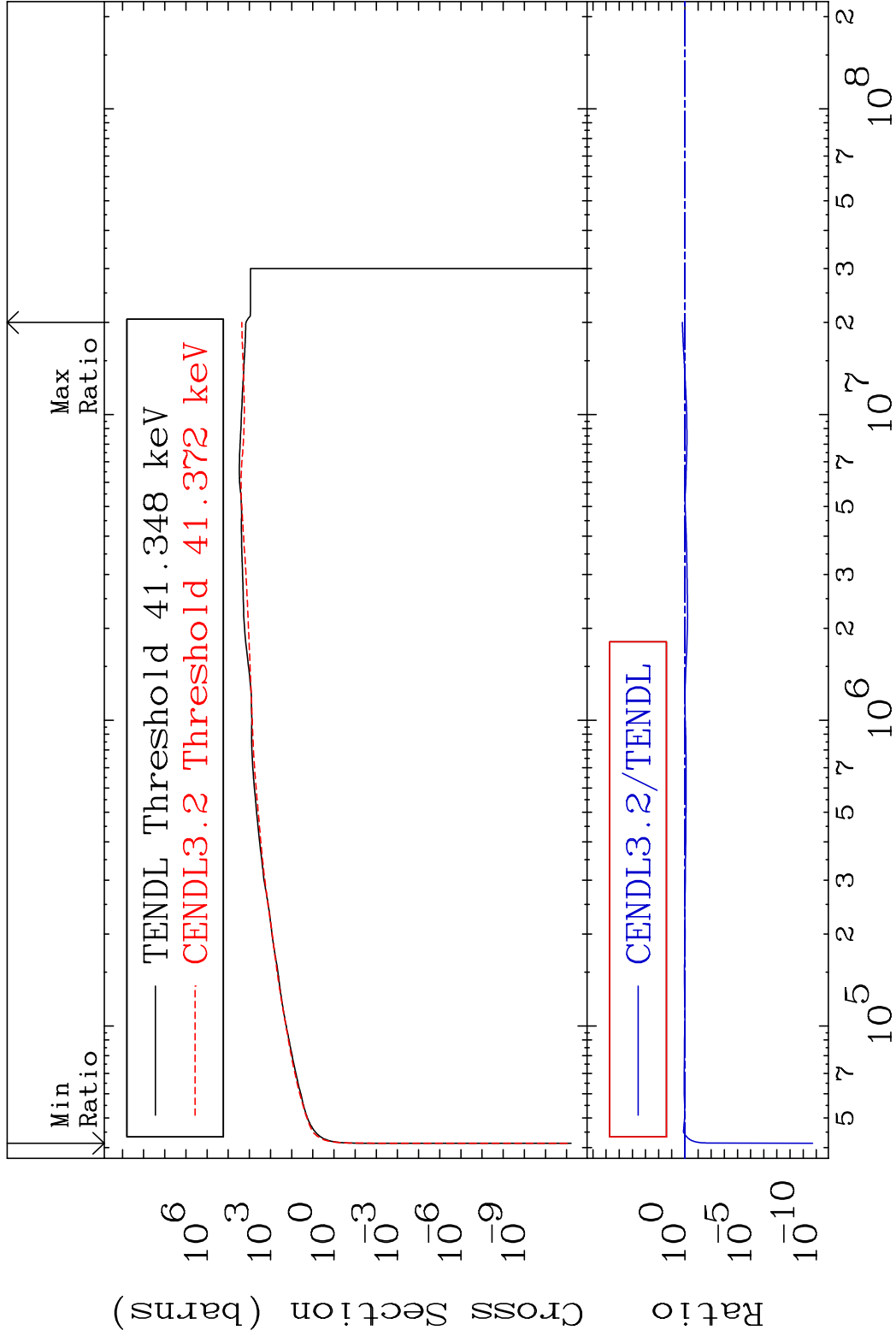
MAT 9543	Dpa total (eV-barns)	95-Am-241
	Cross Section	-92.58 To 1357. %



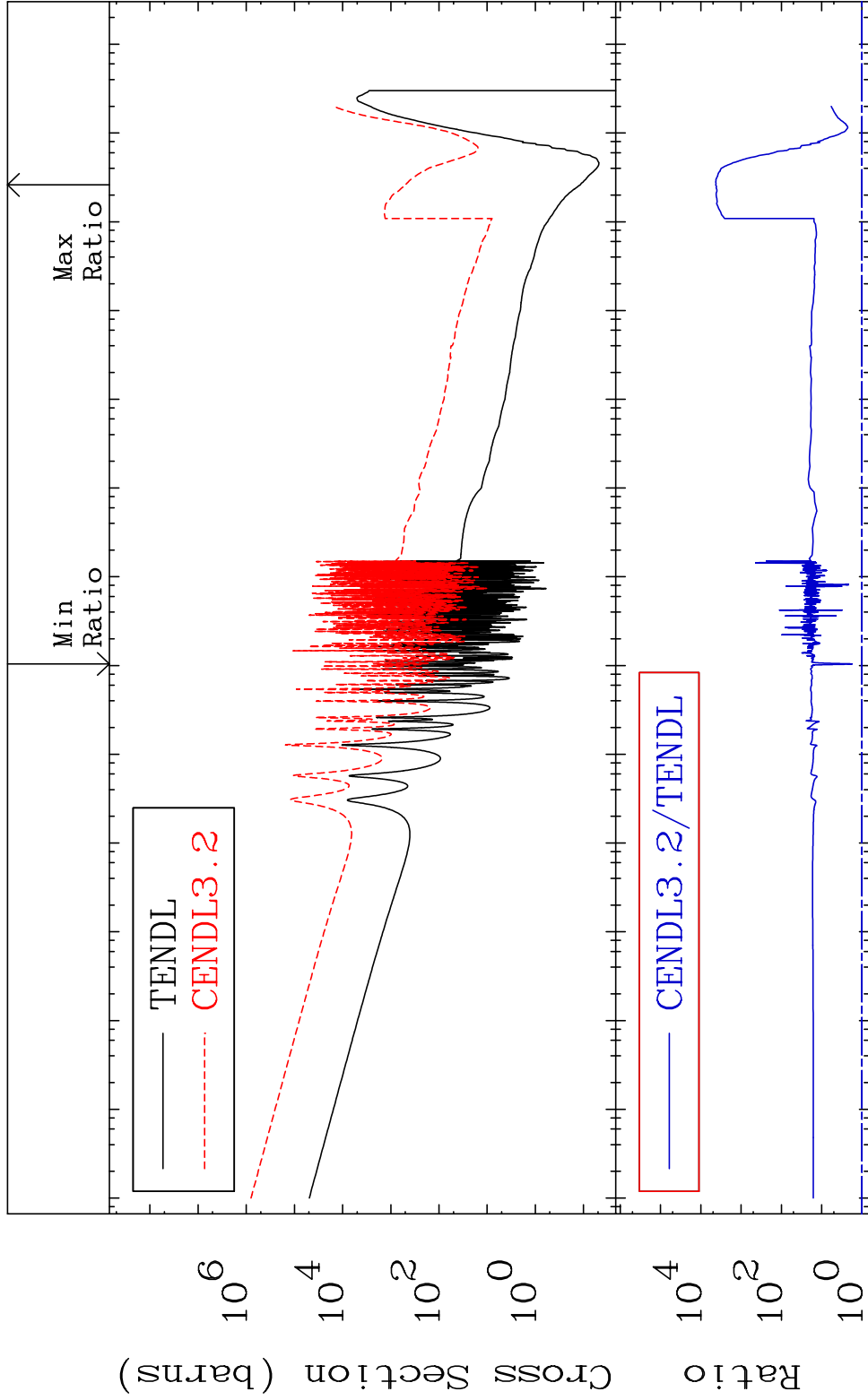
43	Incident Energy (eV)	95-Am-241
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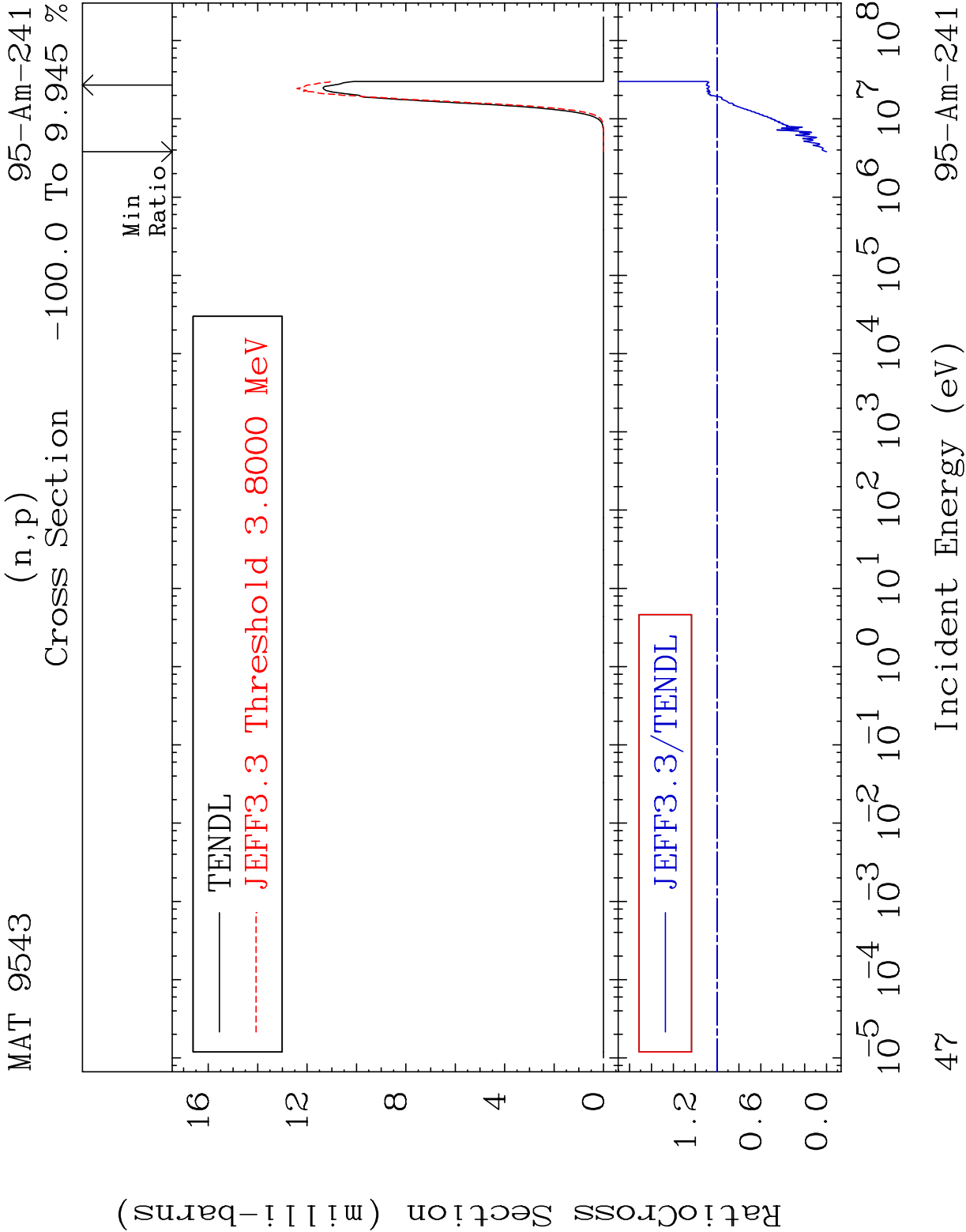
MAT 9543 Dpa inelastic (mt51-91) 95-Am-241
Cross Section -100.0 To 56.67 %

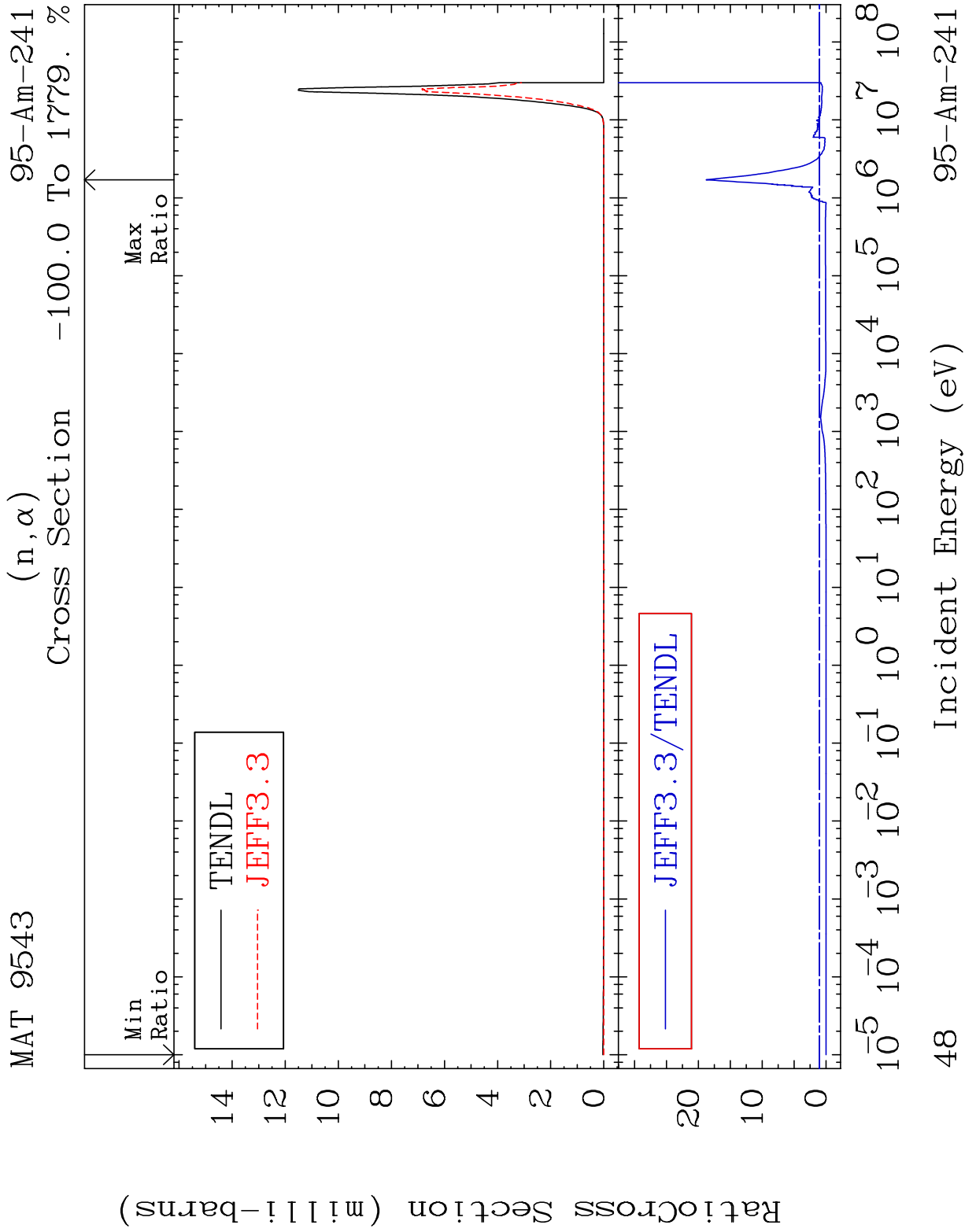


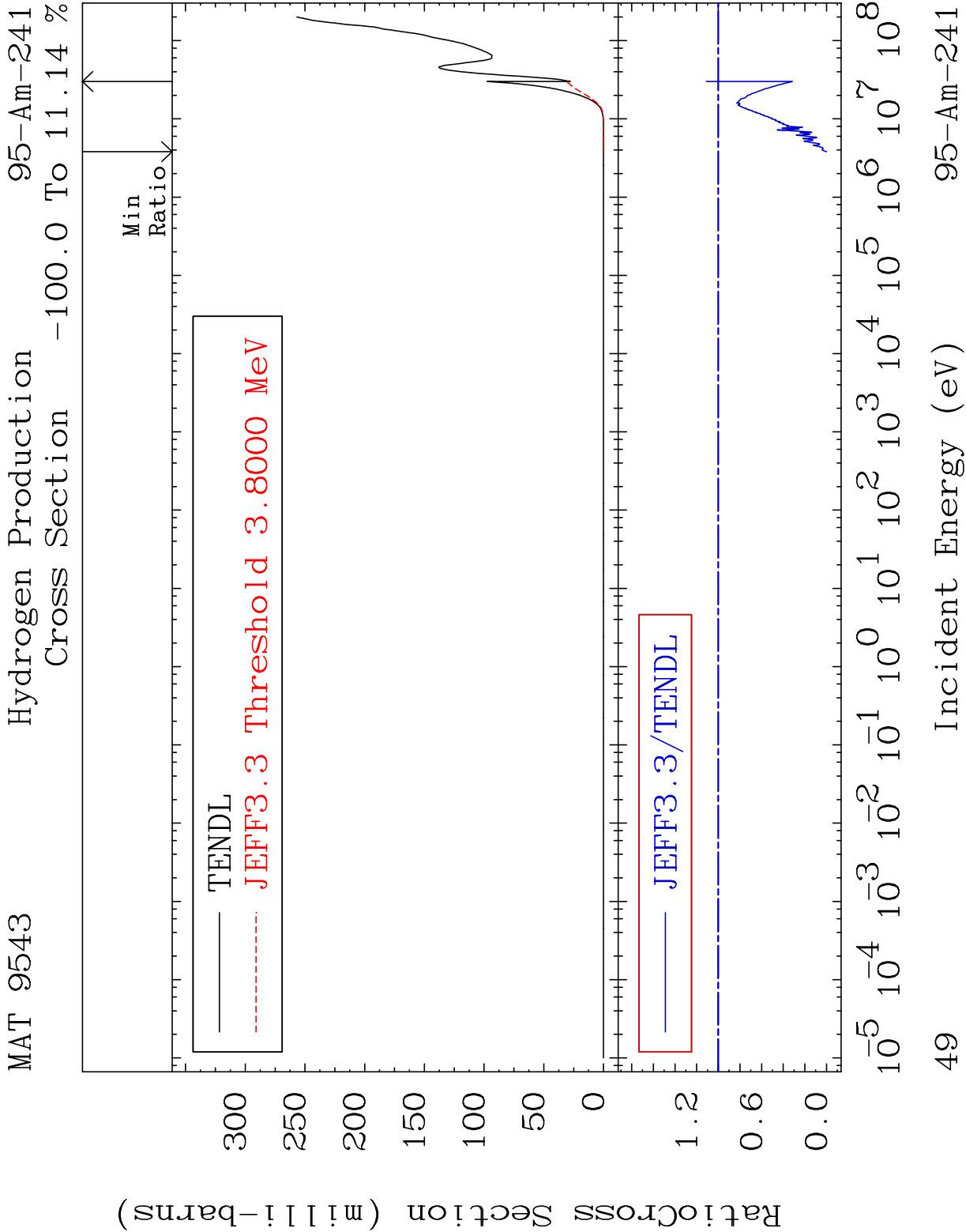
MAT 9543 Dpa disappearance (mt102 -120) 95-Am-241
Cross Section 74.32 To 9999. %

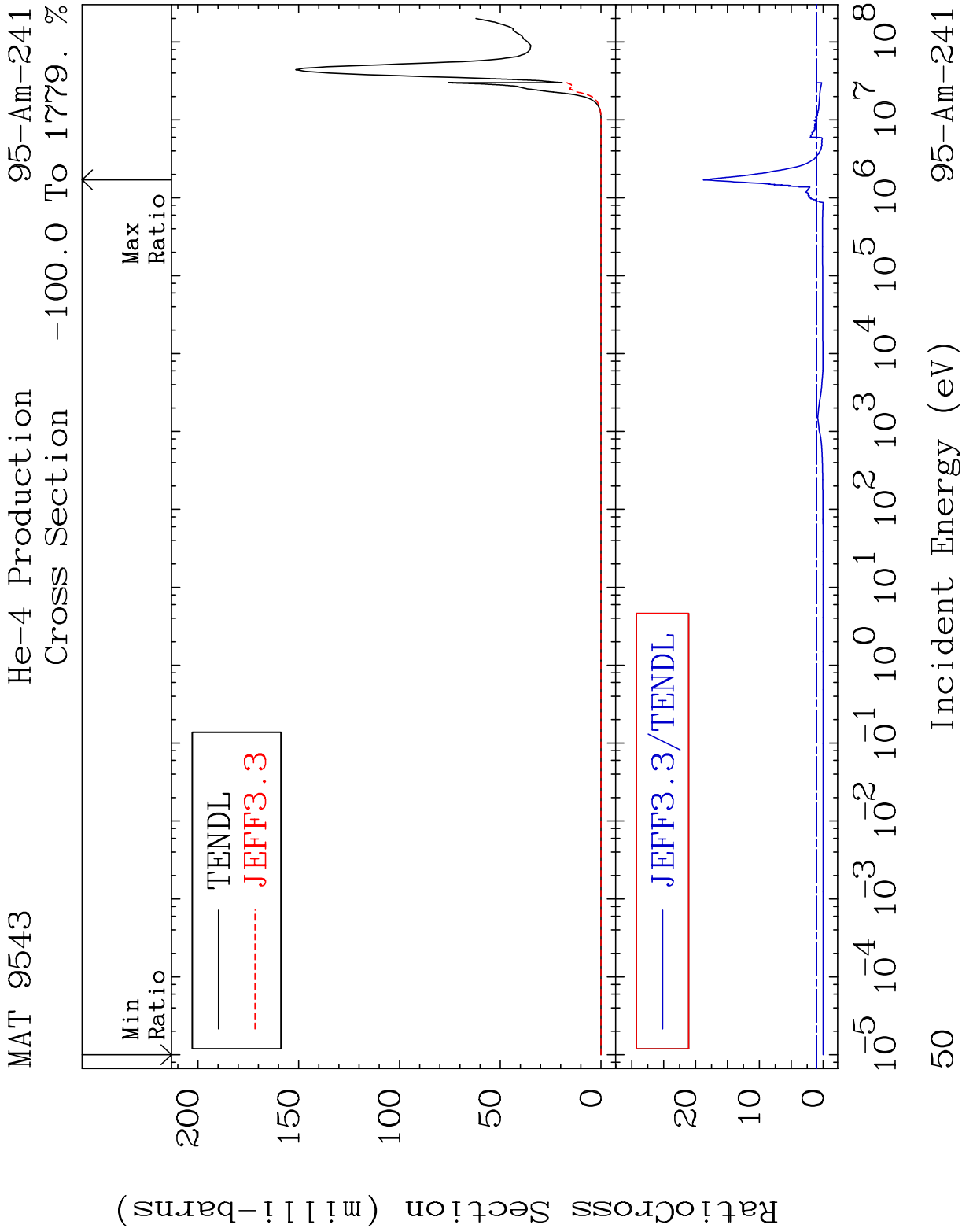


46 Incident Energy (eV) 95-Am-241

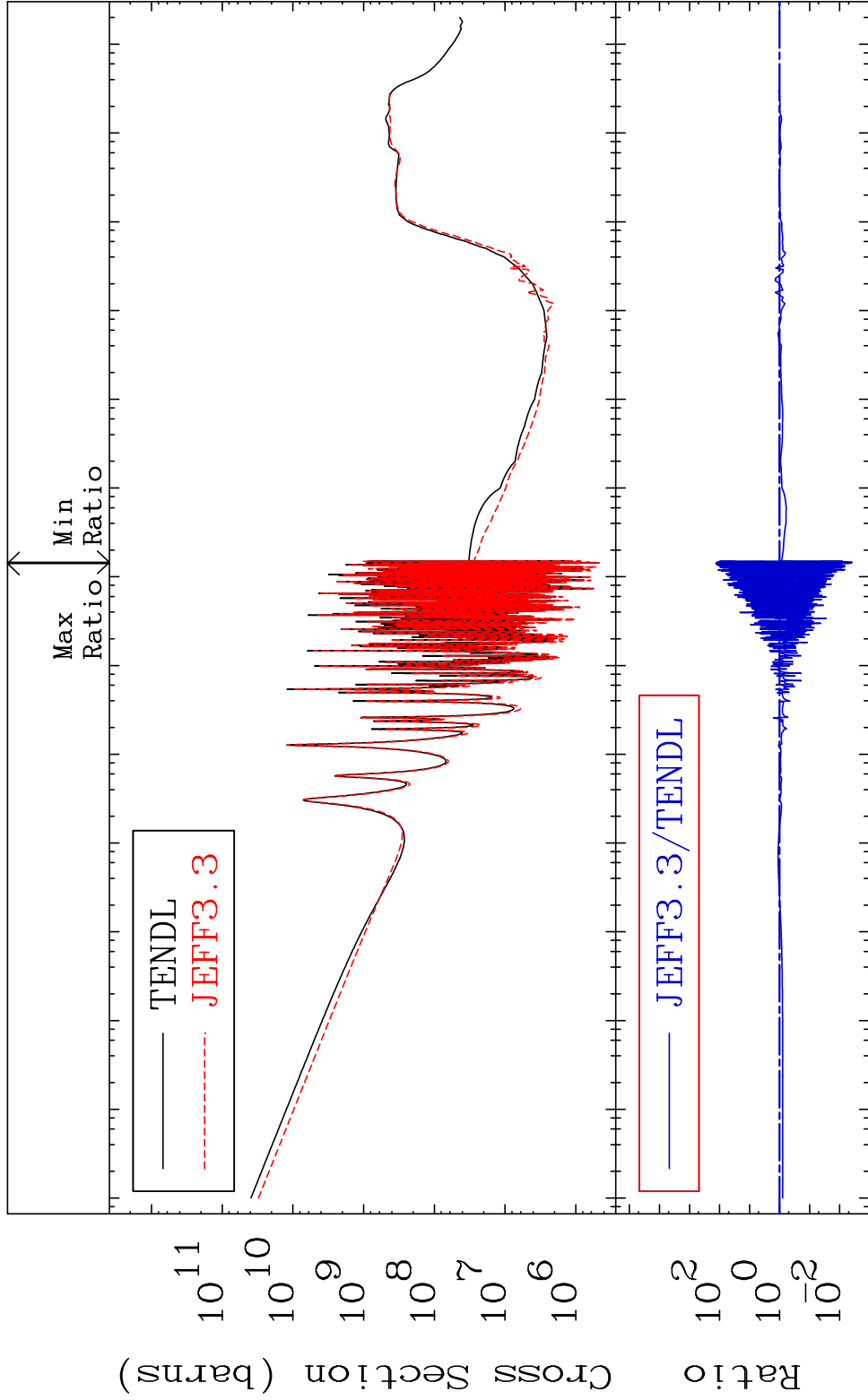


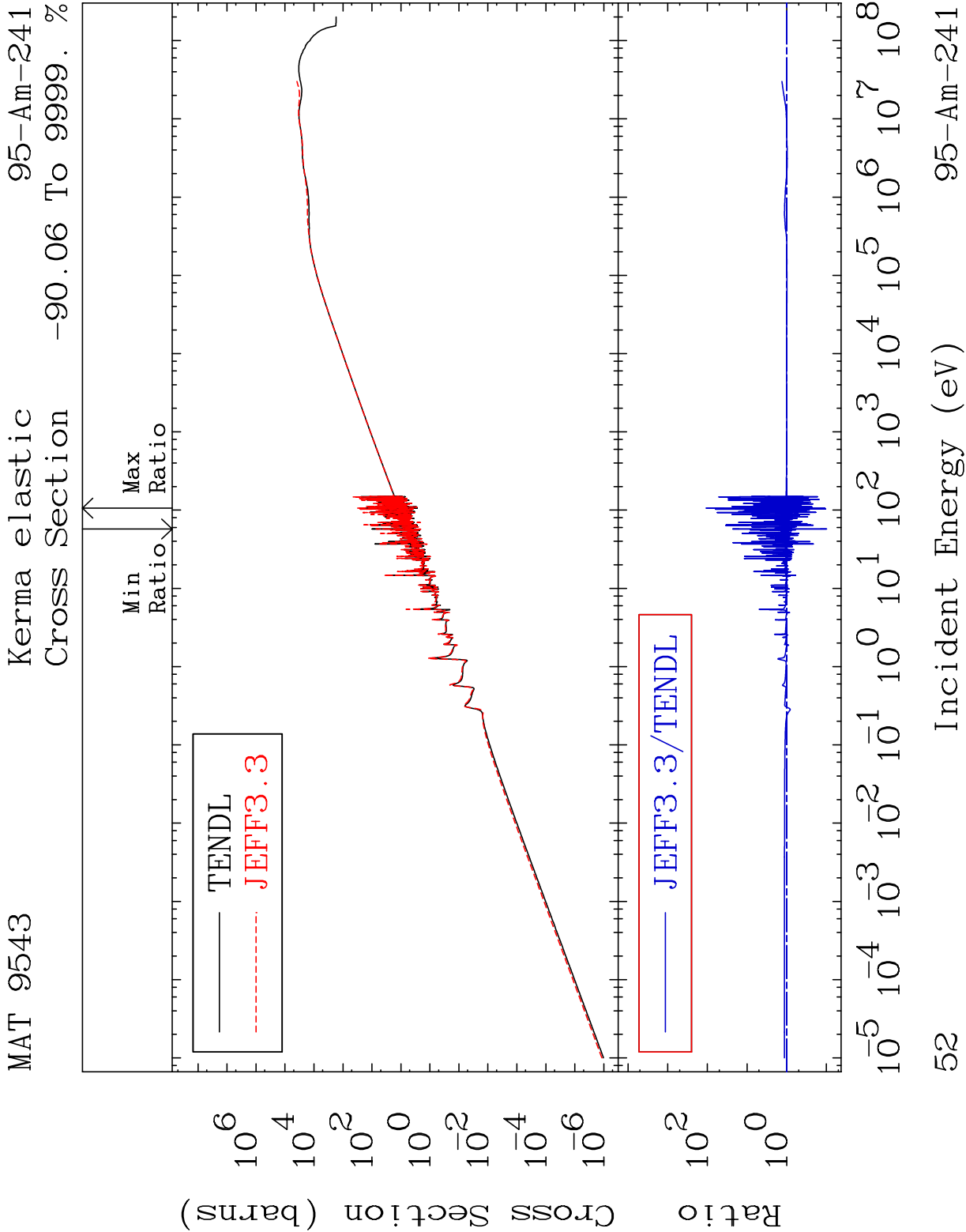




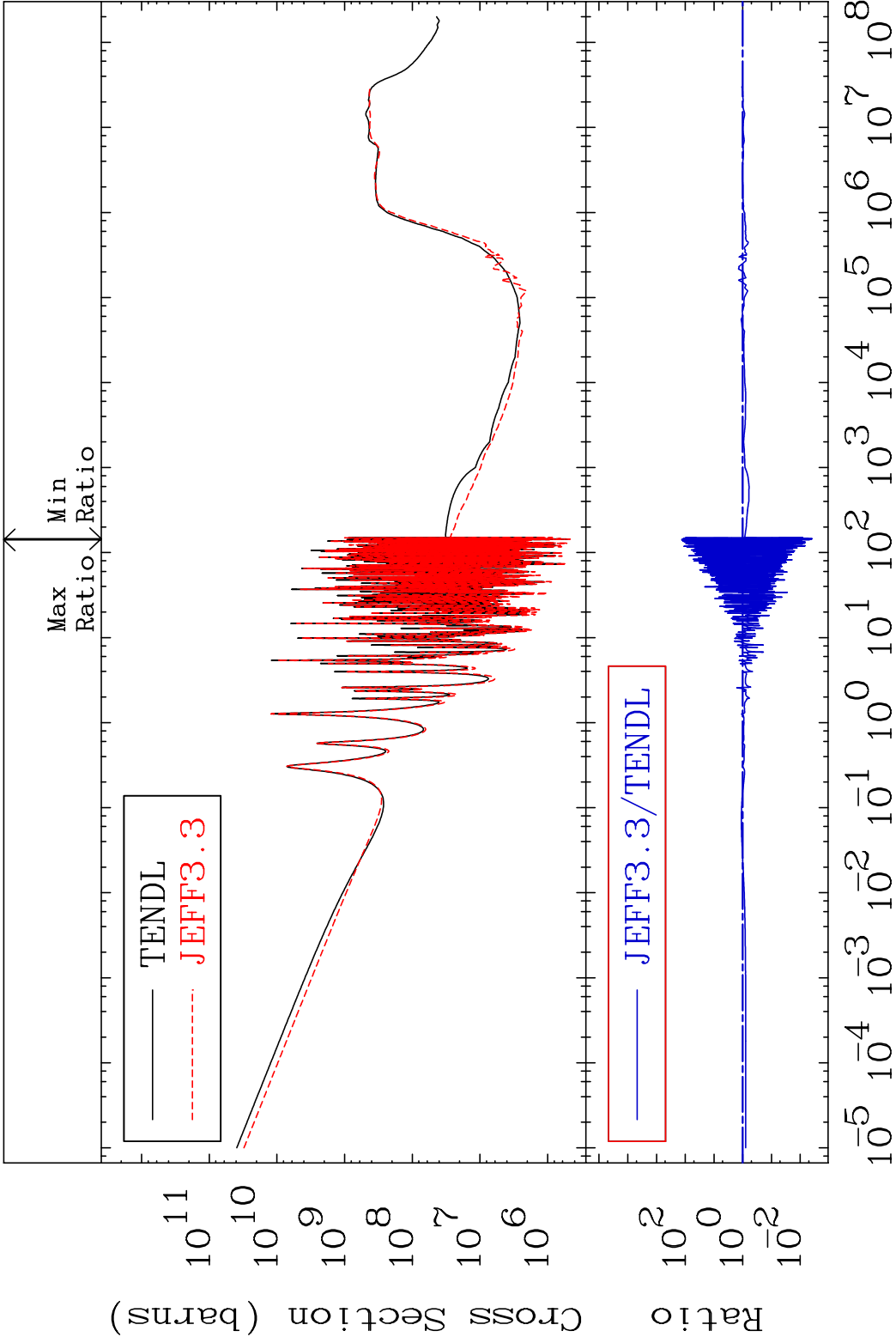


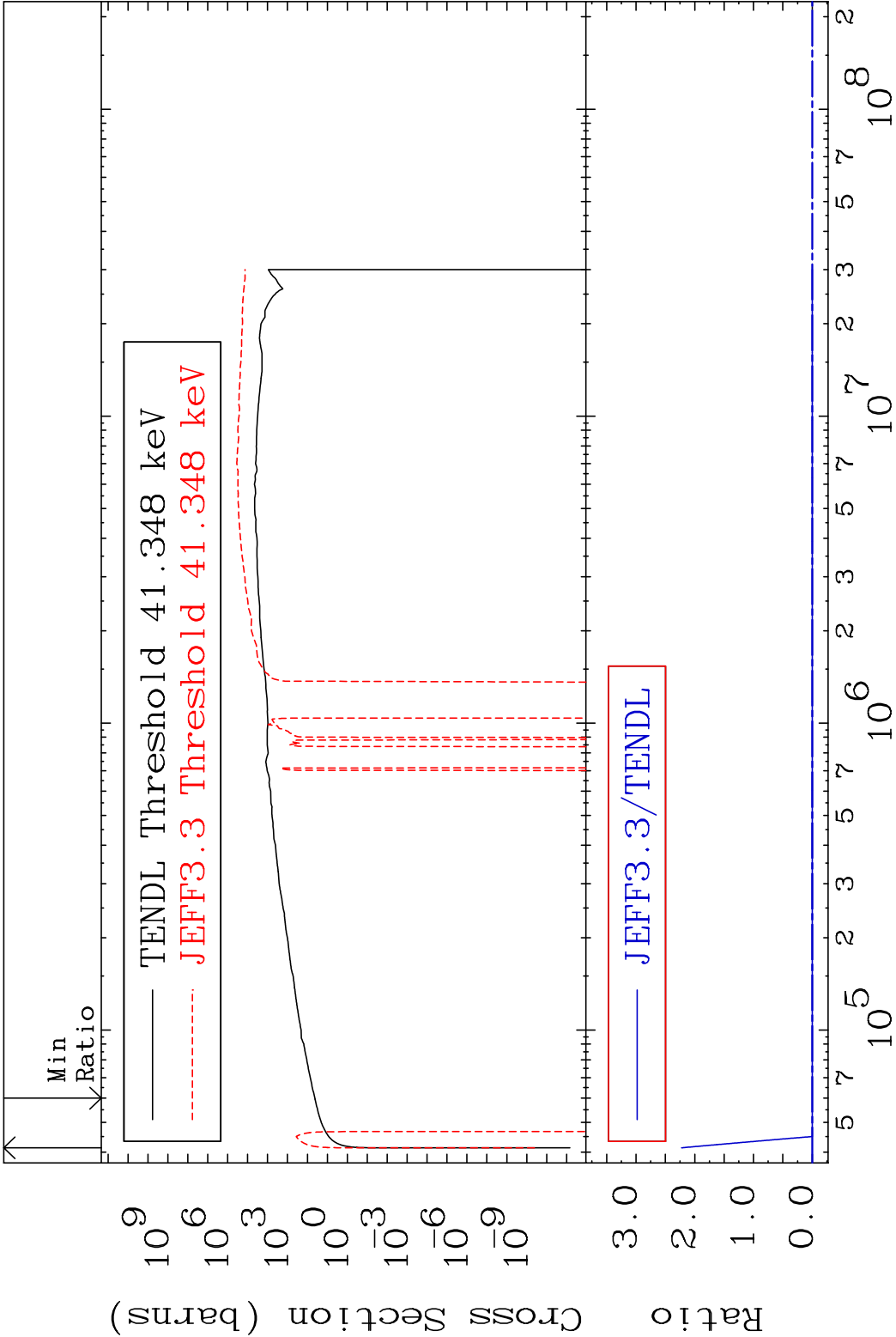
MAT 9543 Kerma total (eV-barns) 95-Am-241
Cross Section -99.62 To 9999. %



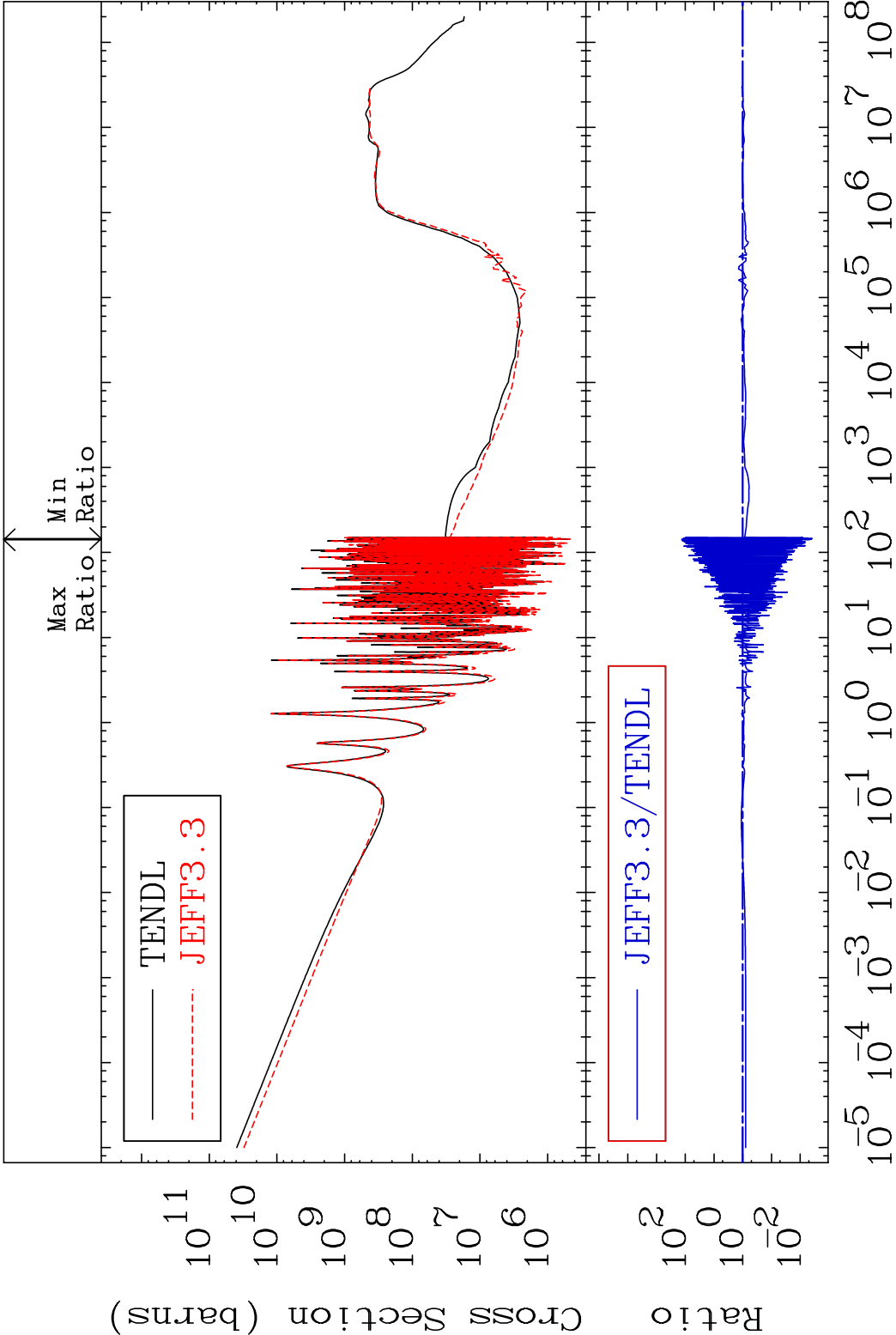


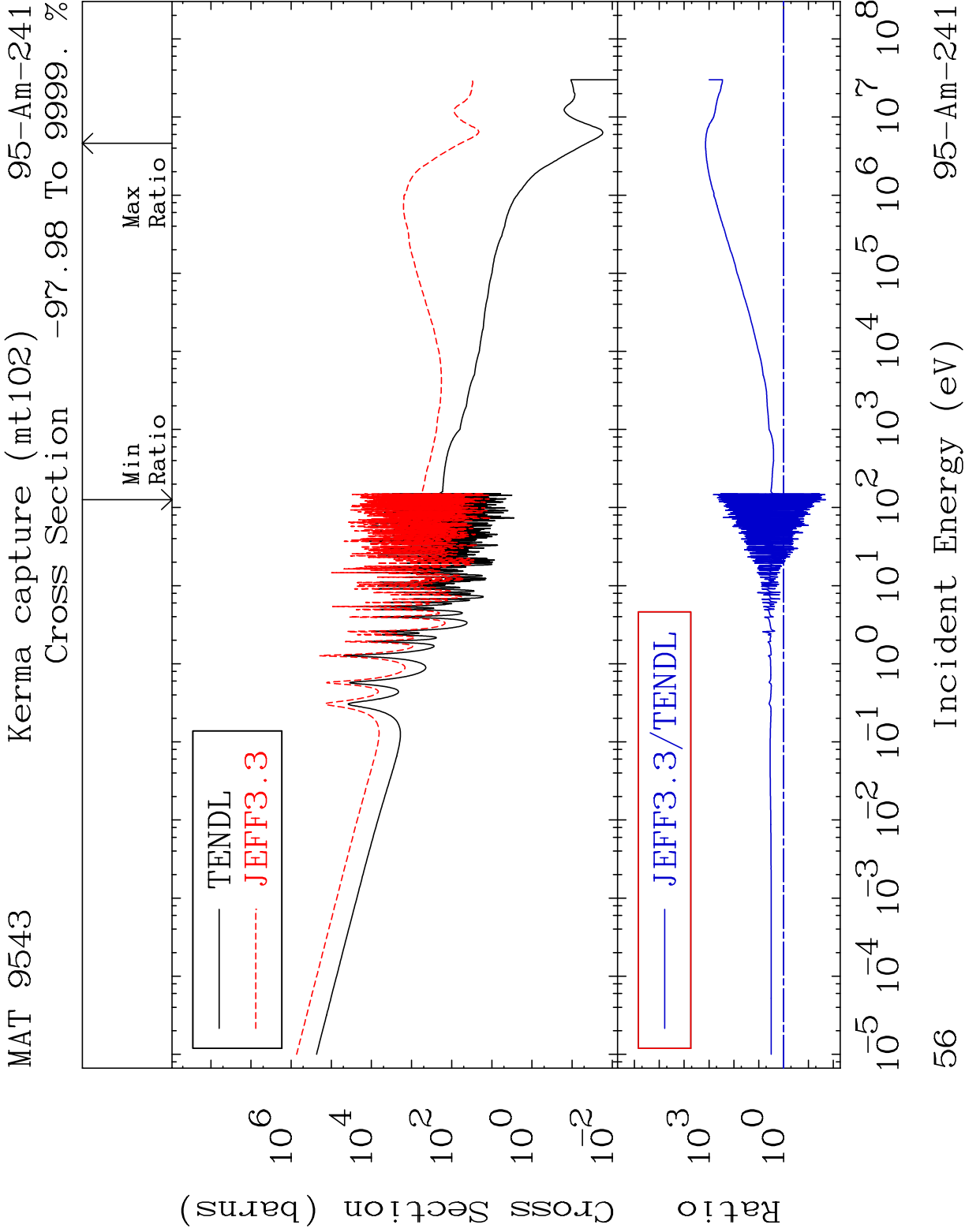
MAT 9543 Kerma non-elastic (all but mt2) 95-Am-241
Cross Section -99.62 To 9999. %



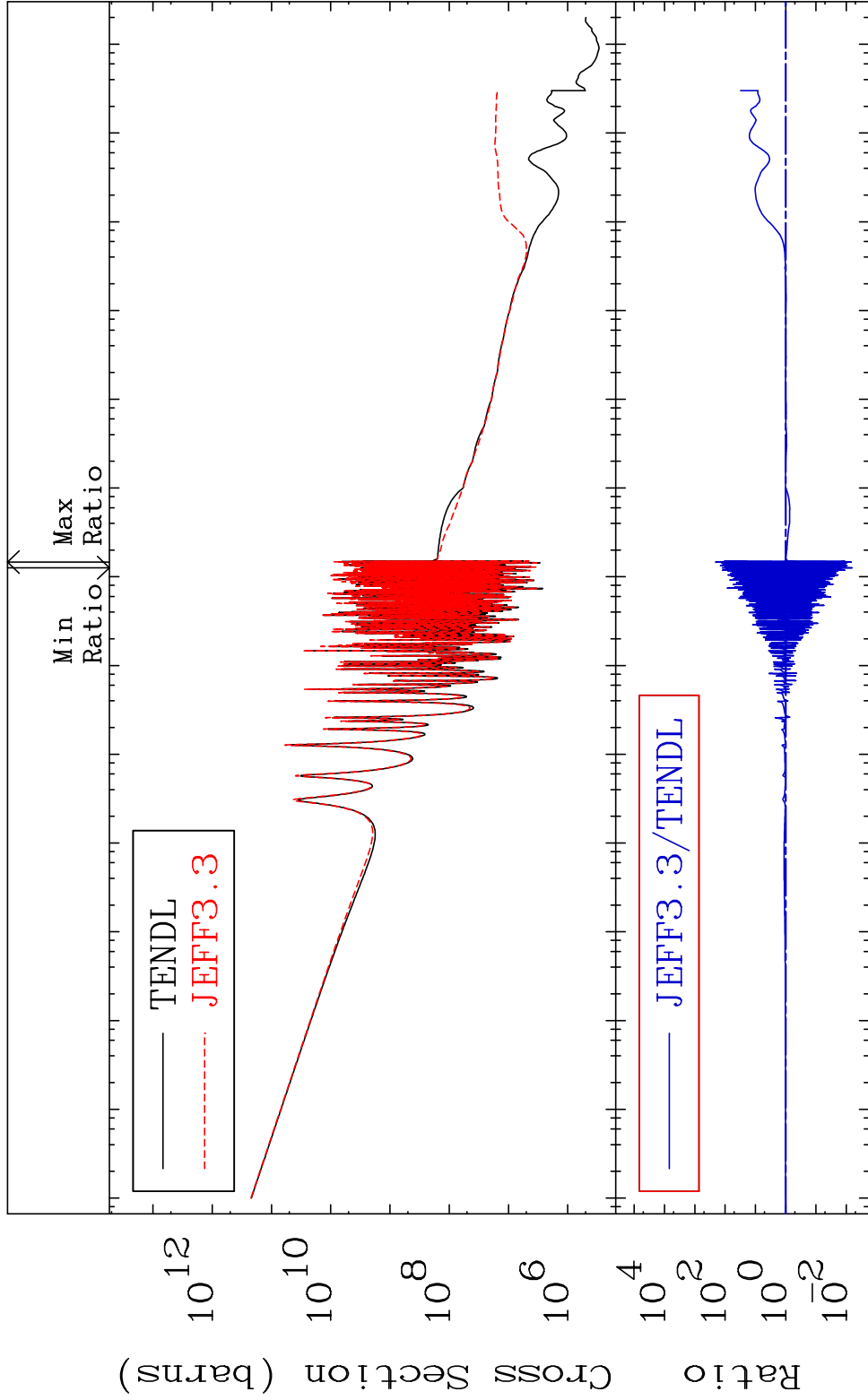


MAT 9543Kerma fission (mt18 or mt19-20-21-38)95-Am-241
Cross Section -99.62 To 9999. %

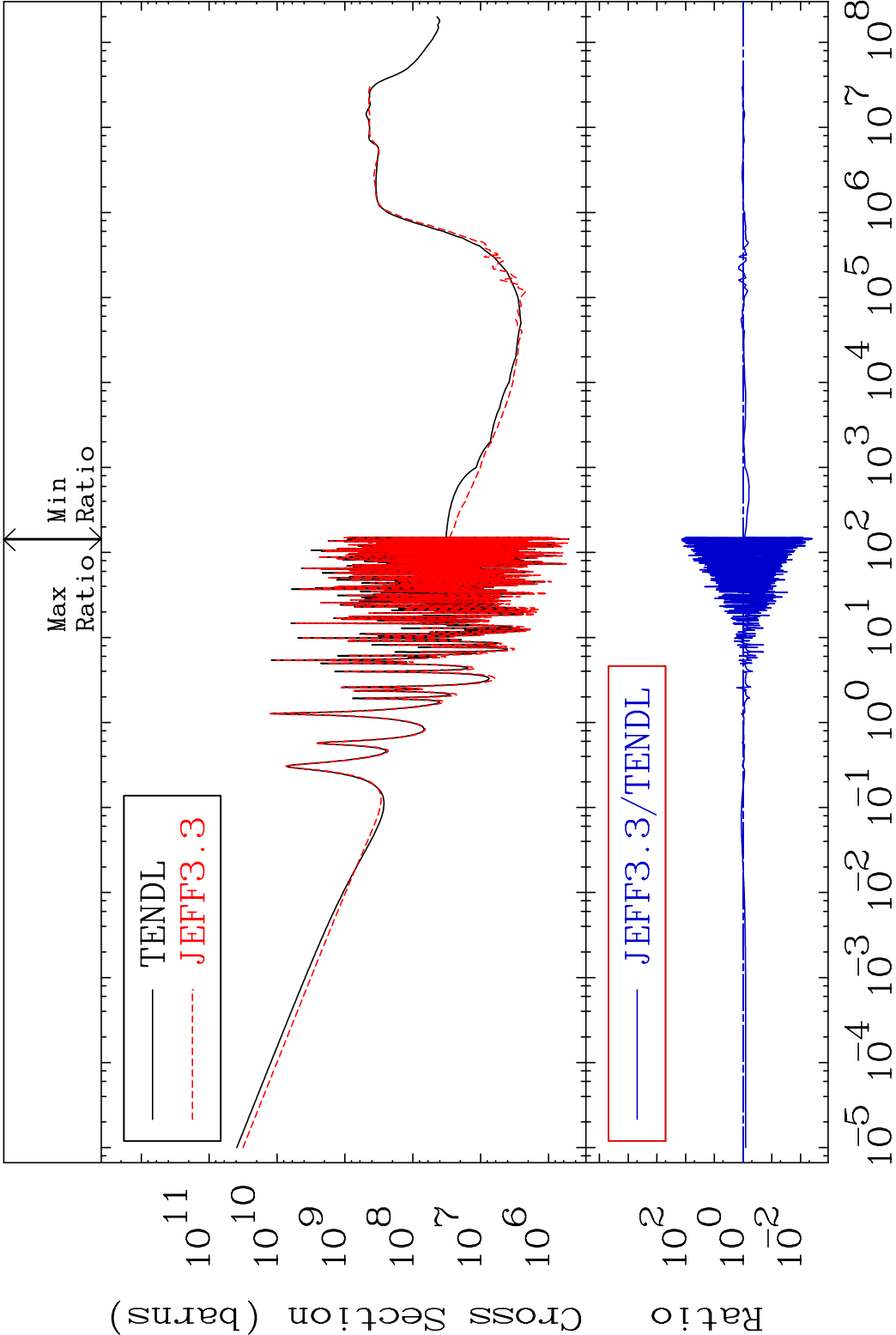




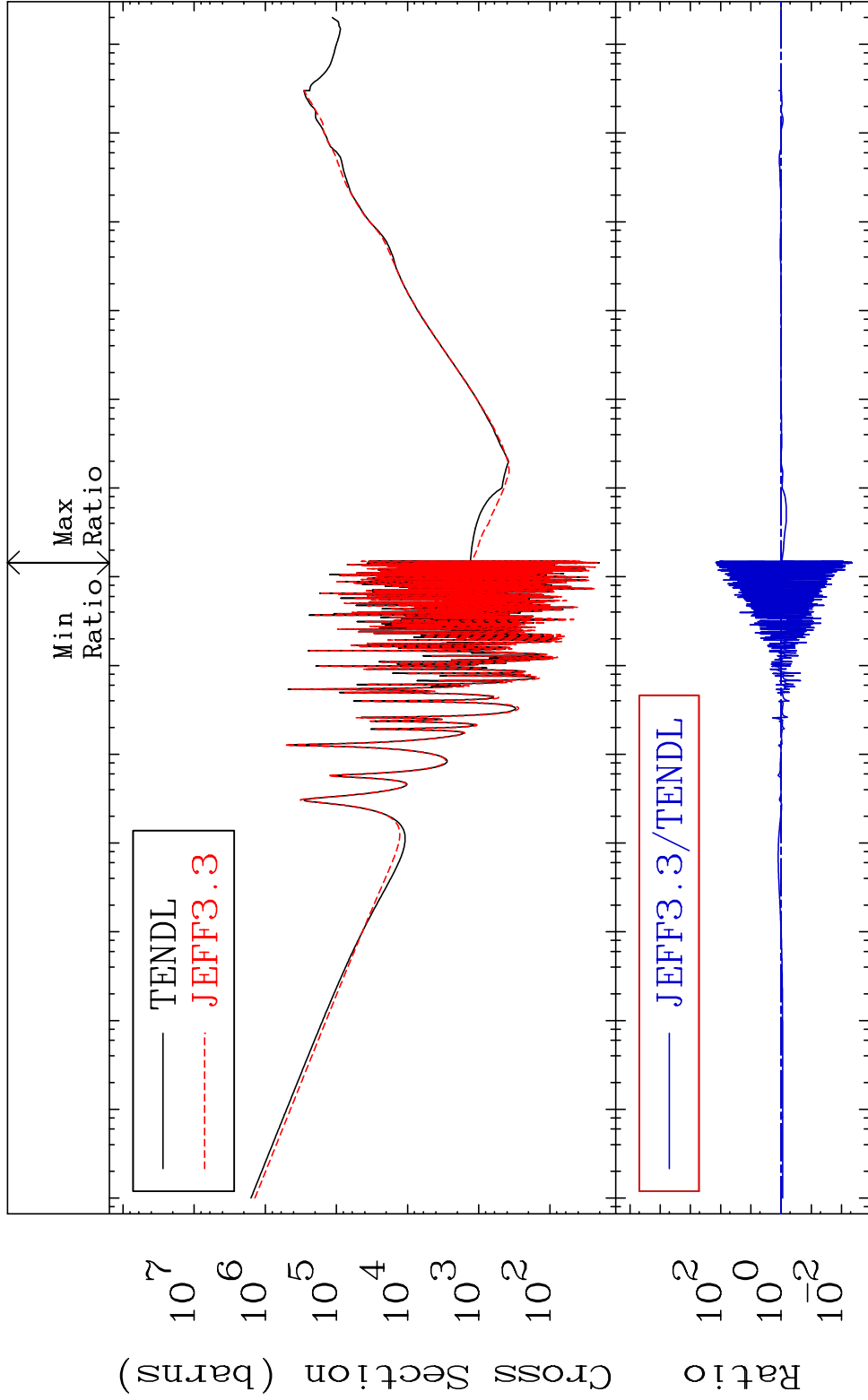
MAT 9543 Total photon (eV-barns) 95-Am-241
Cross Section -99.36 To 9999. %



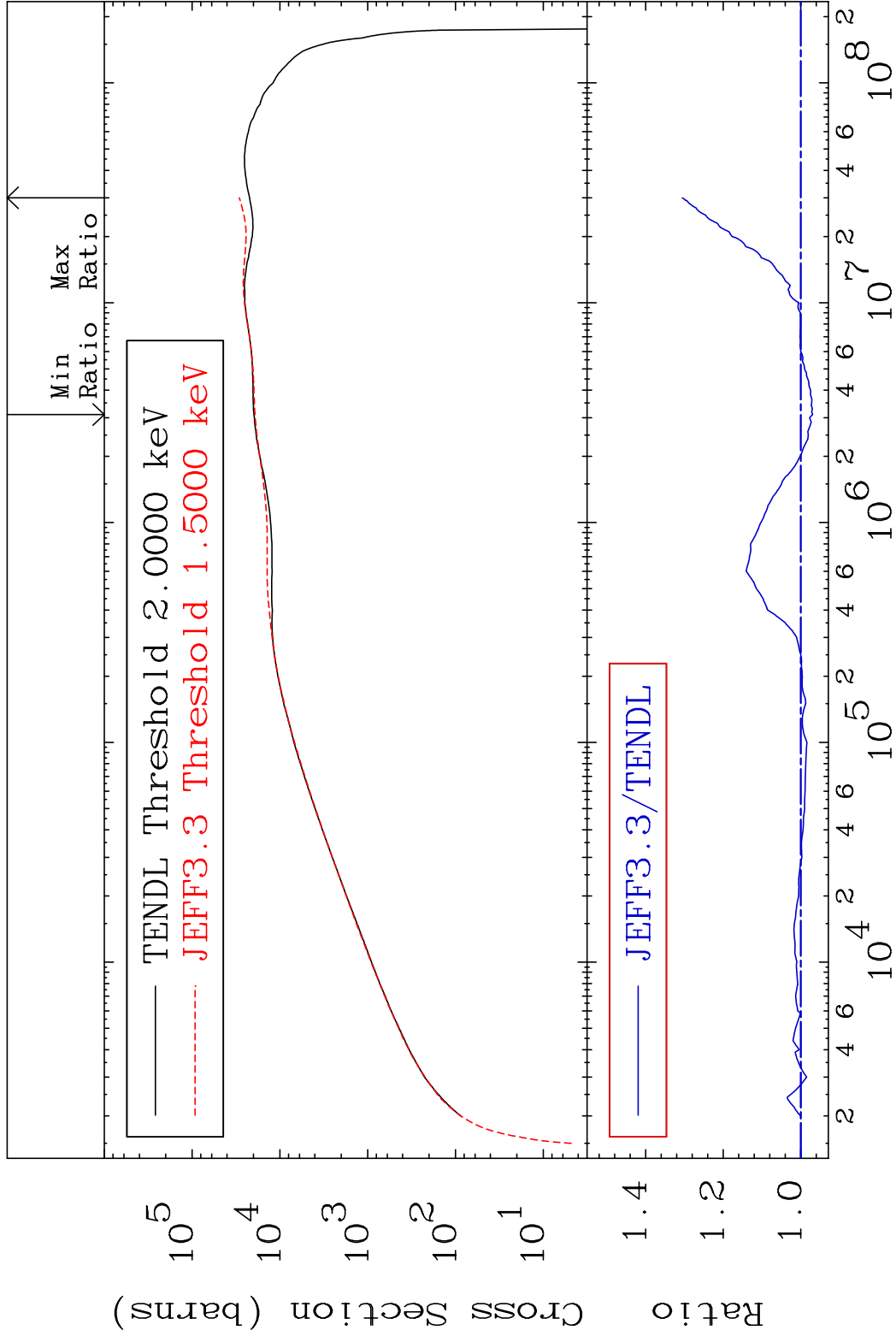
MAT 9543 Total kinematic kerma (high limit) 95-Am-241
Cross Section -99.61 To 9999. %



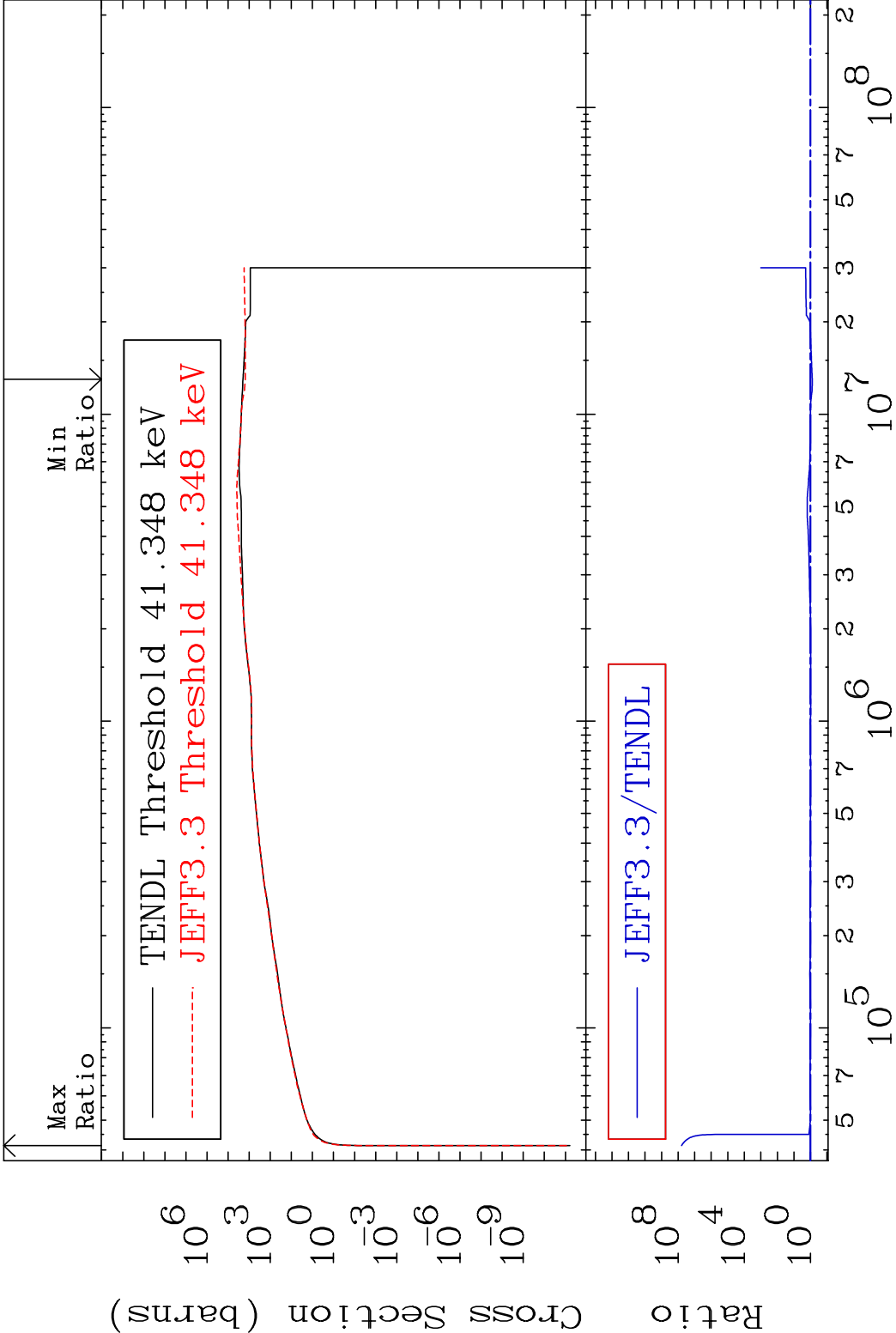
MAT 9543 Dpa total (eV-barns) 95-Am-241
Cross Section -99.56 To 9999. %



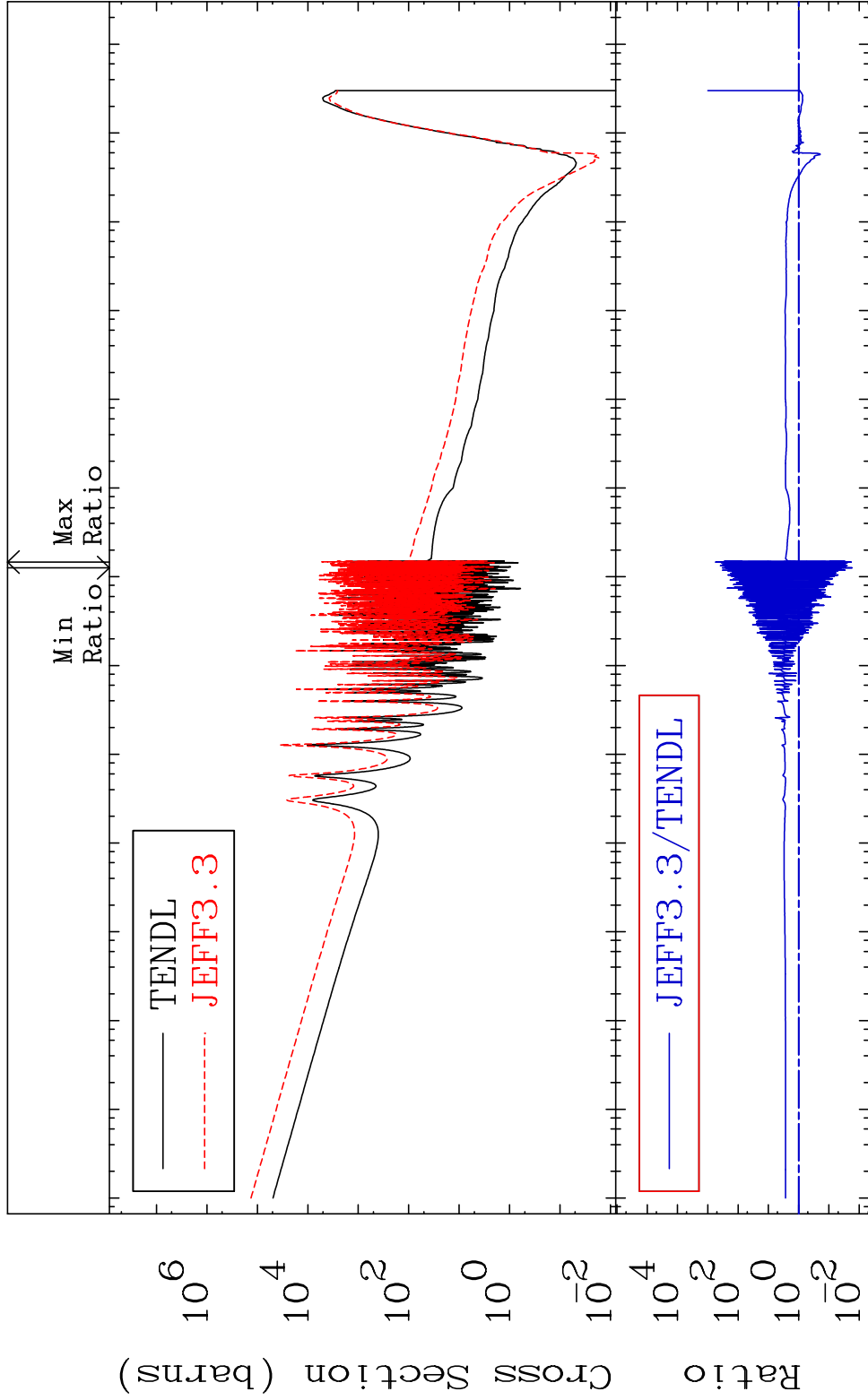
MAT 9543 Dpa elastic (mt2) 95-Am-241
Cross Section -3.043 To 30.54 %



MAT 9543 Dpa inelastic (mt51-91) 95-Am-241
Cross Section -21.92 To 9999. %



MAT 9543 Dpa disappearance (mt102 -120) 95-Am-241
Cross Section -98.30 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
62 Incident Energy (eV) 95-Am-241