

Program Complot
(Version 2021-1)

by

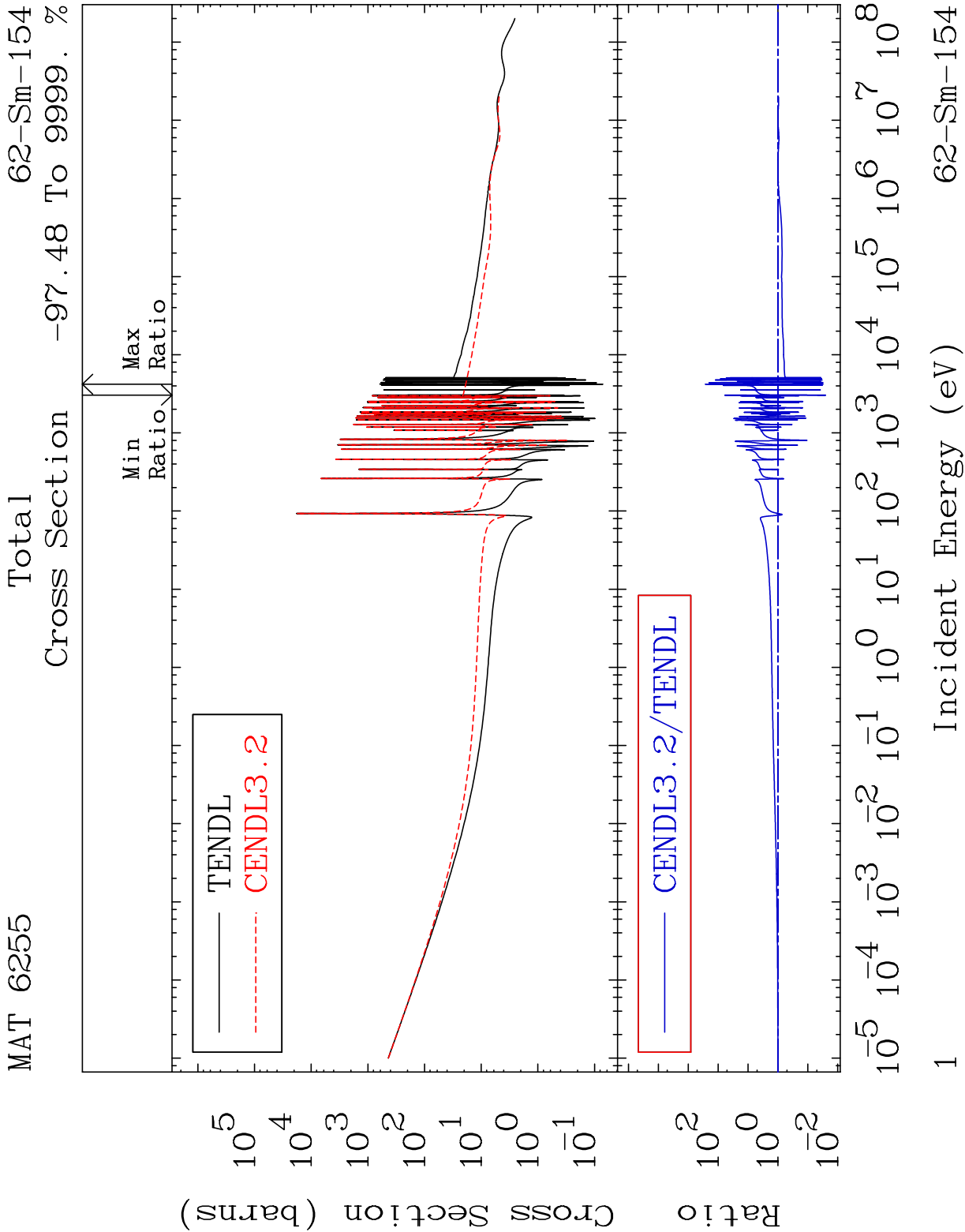
Dermott E. Cullen
(Present Contact Information)

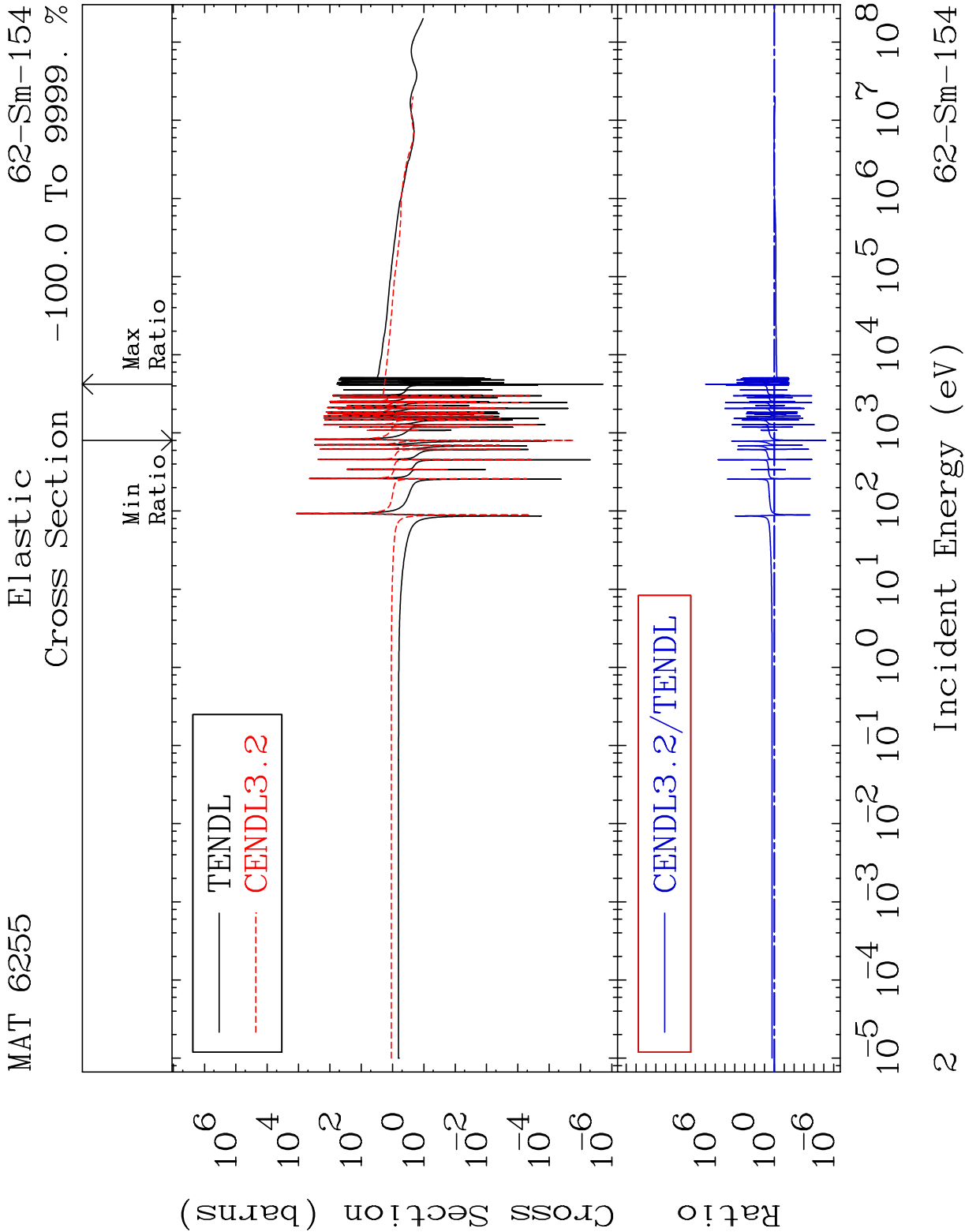
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

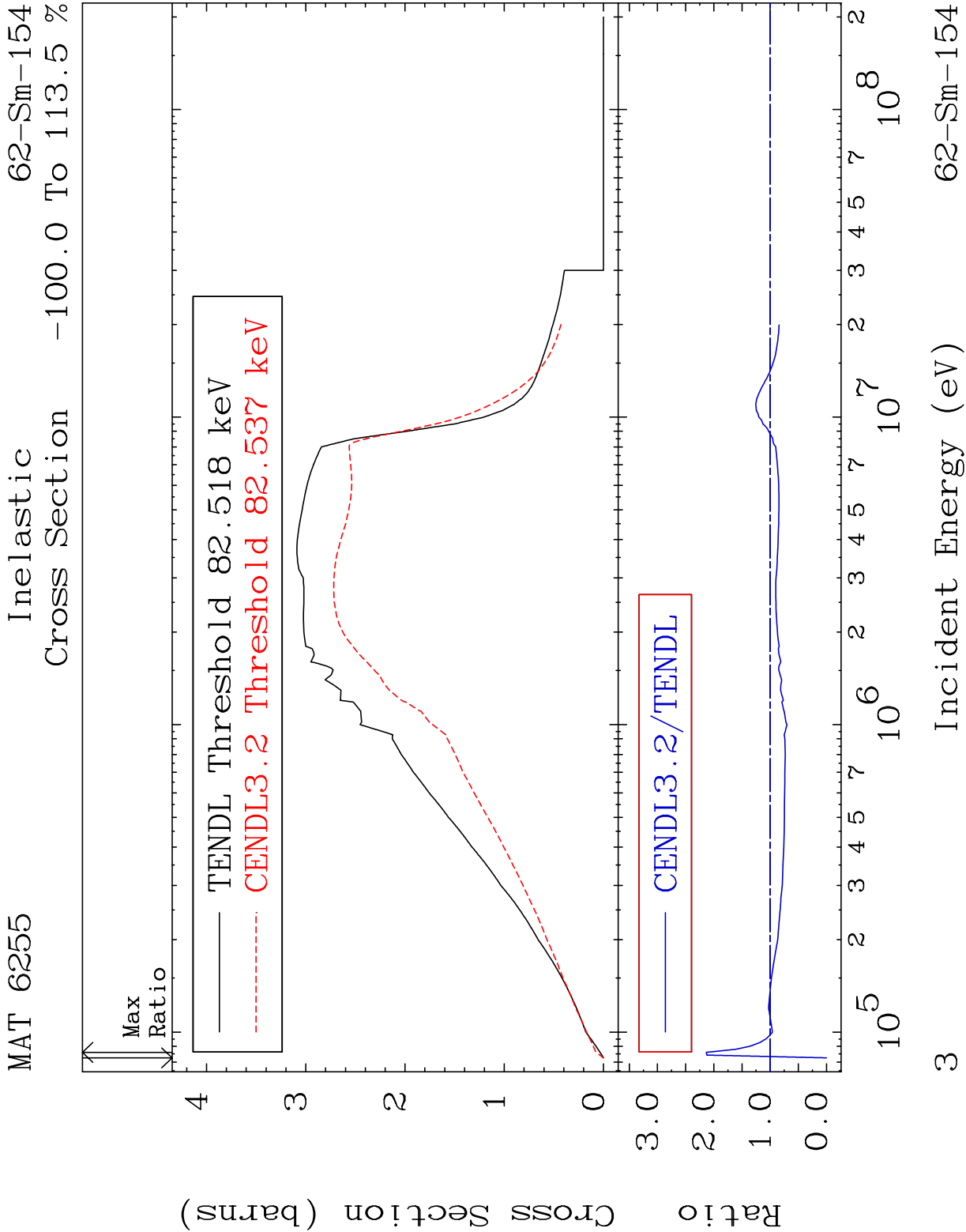
Tele: 925-443-1911

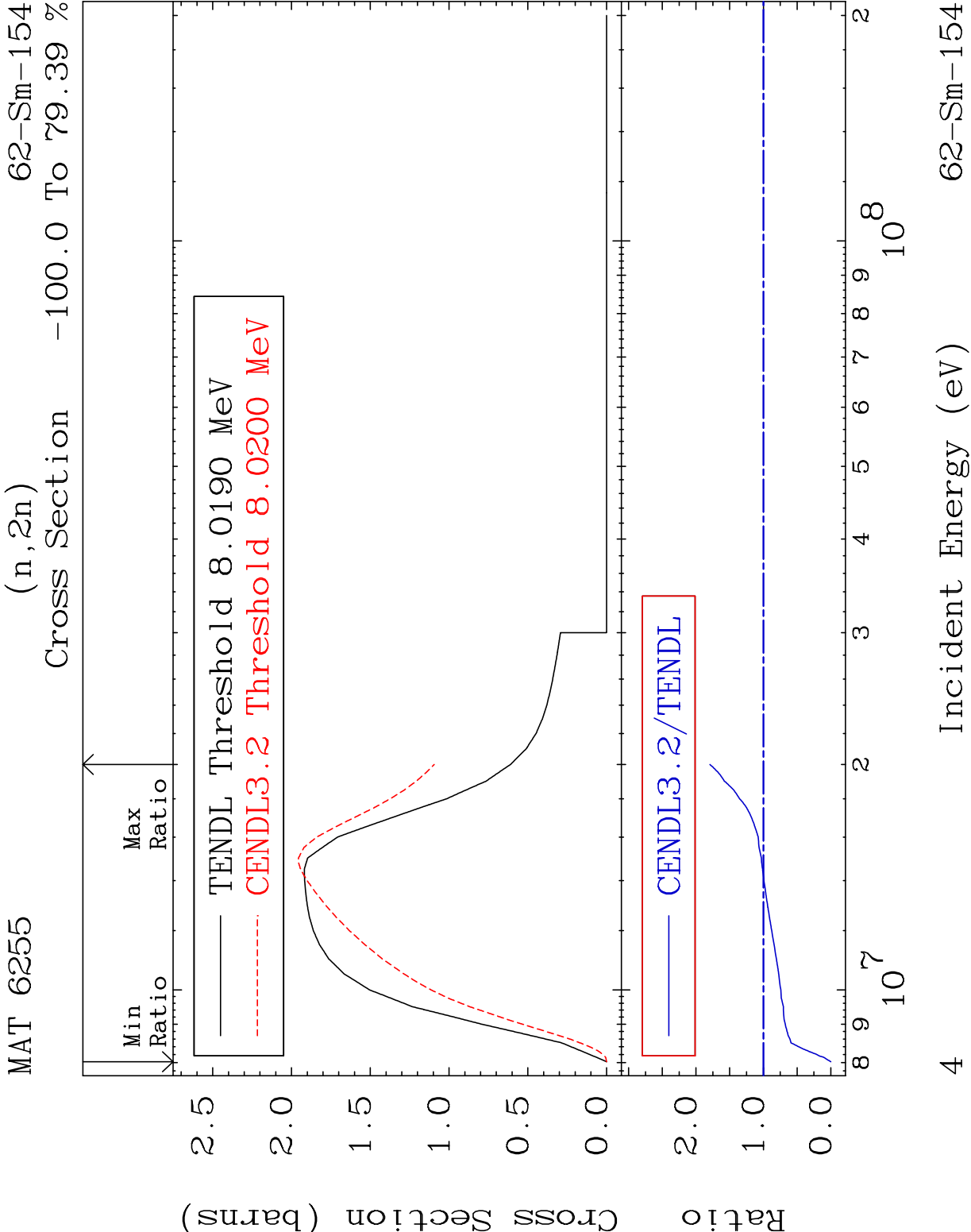
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

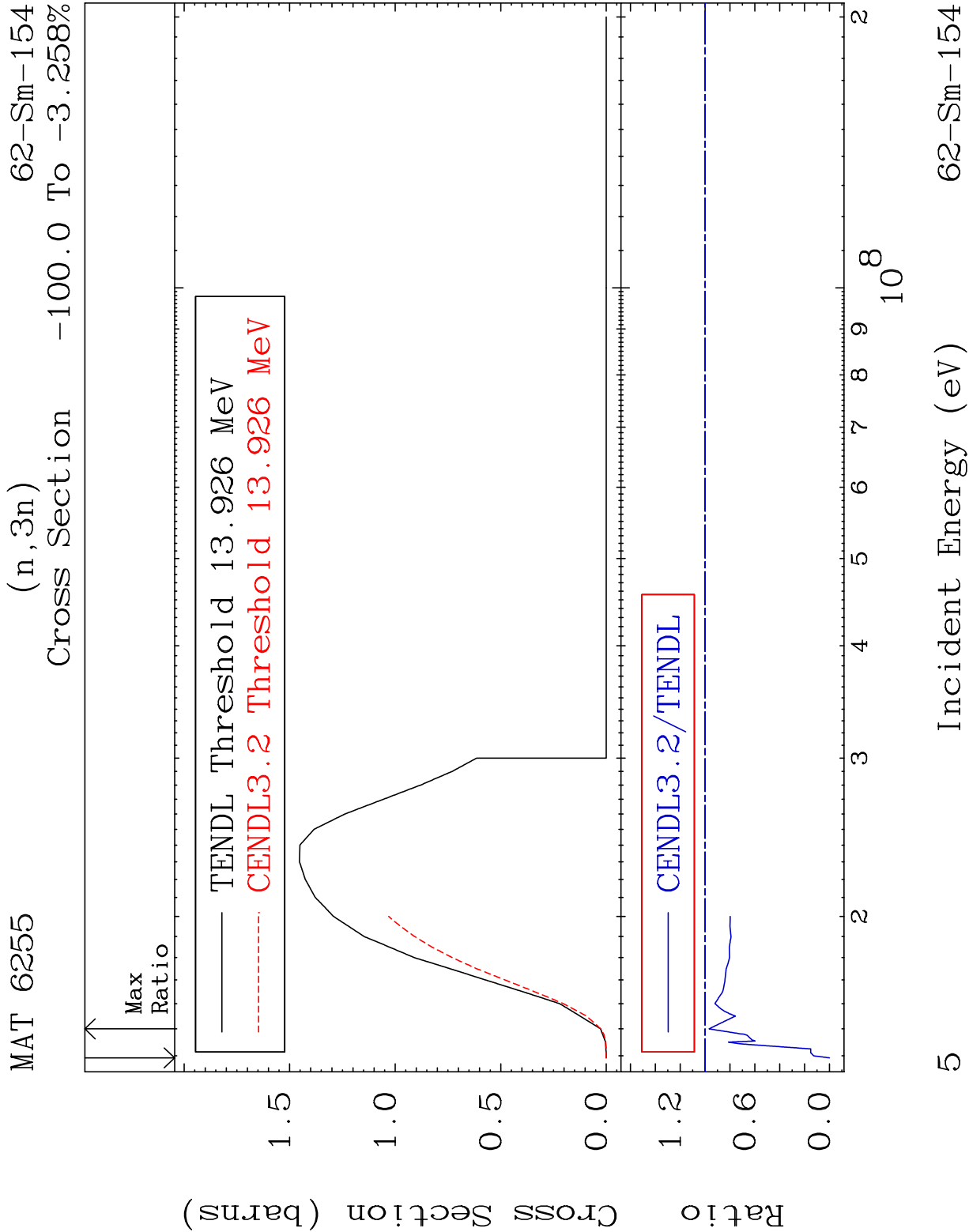
Press Mouse Button to Start

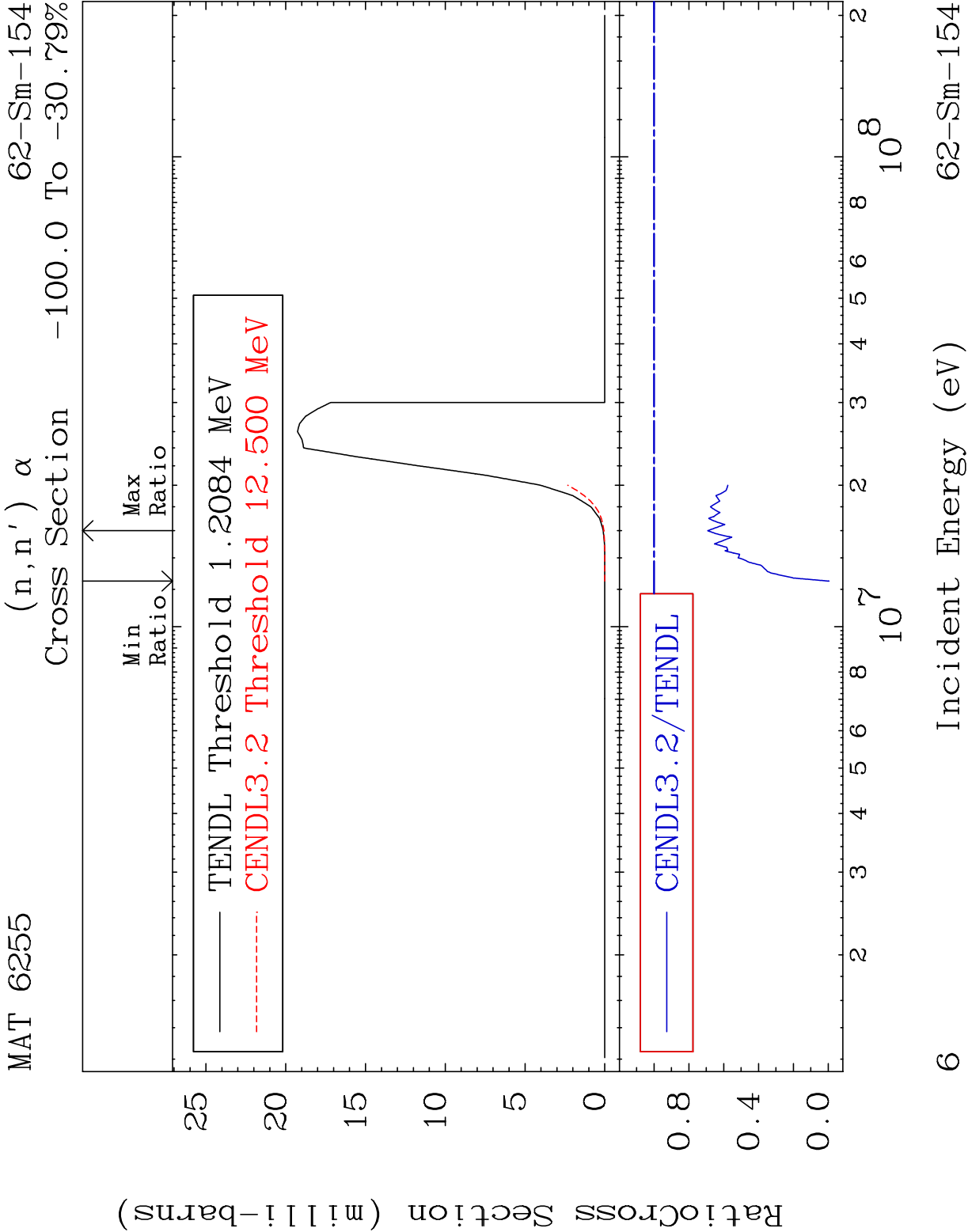


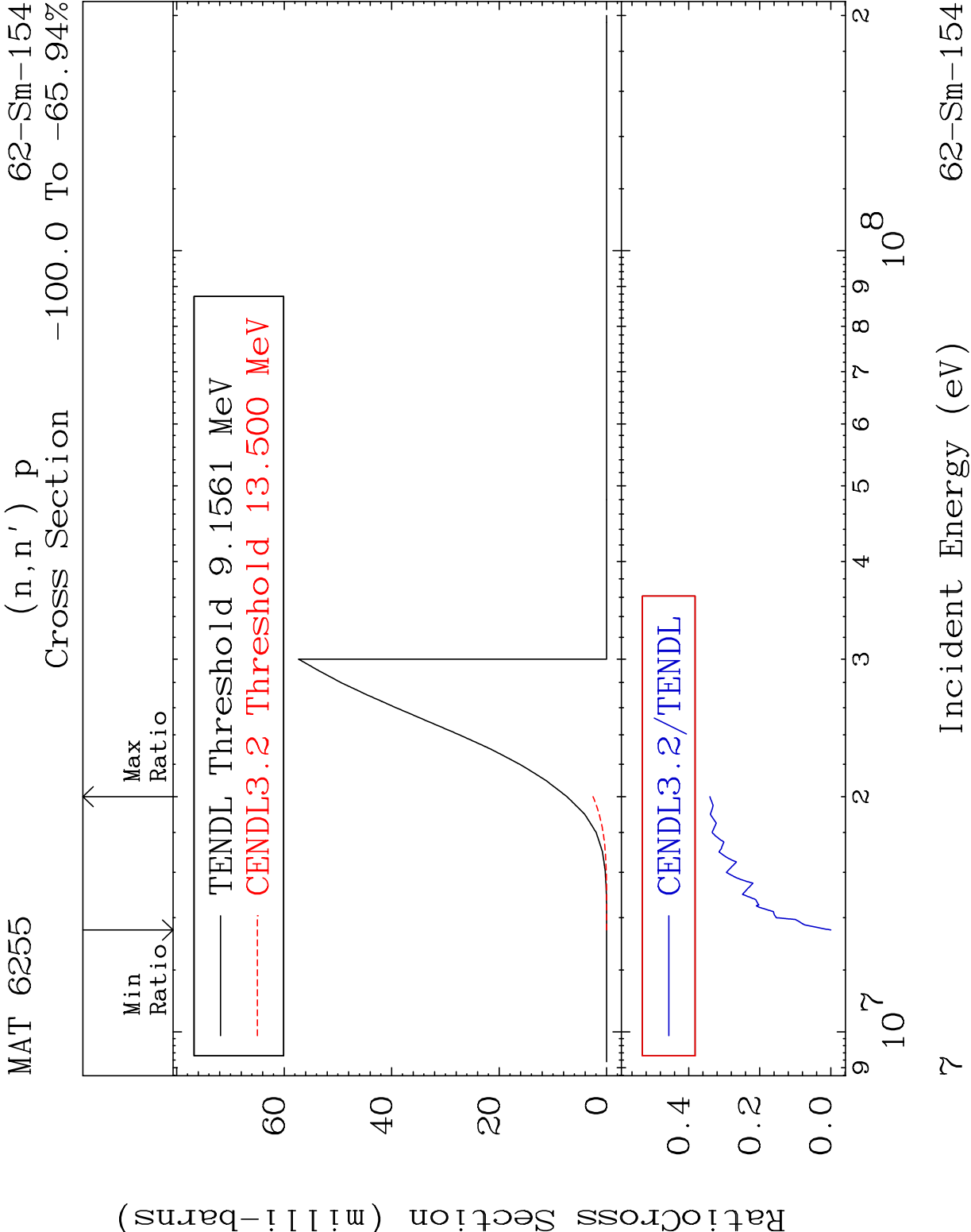




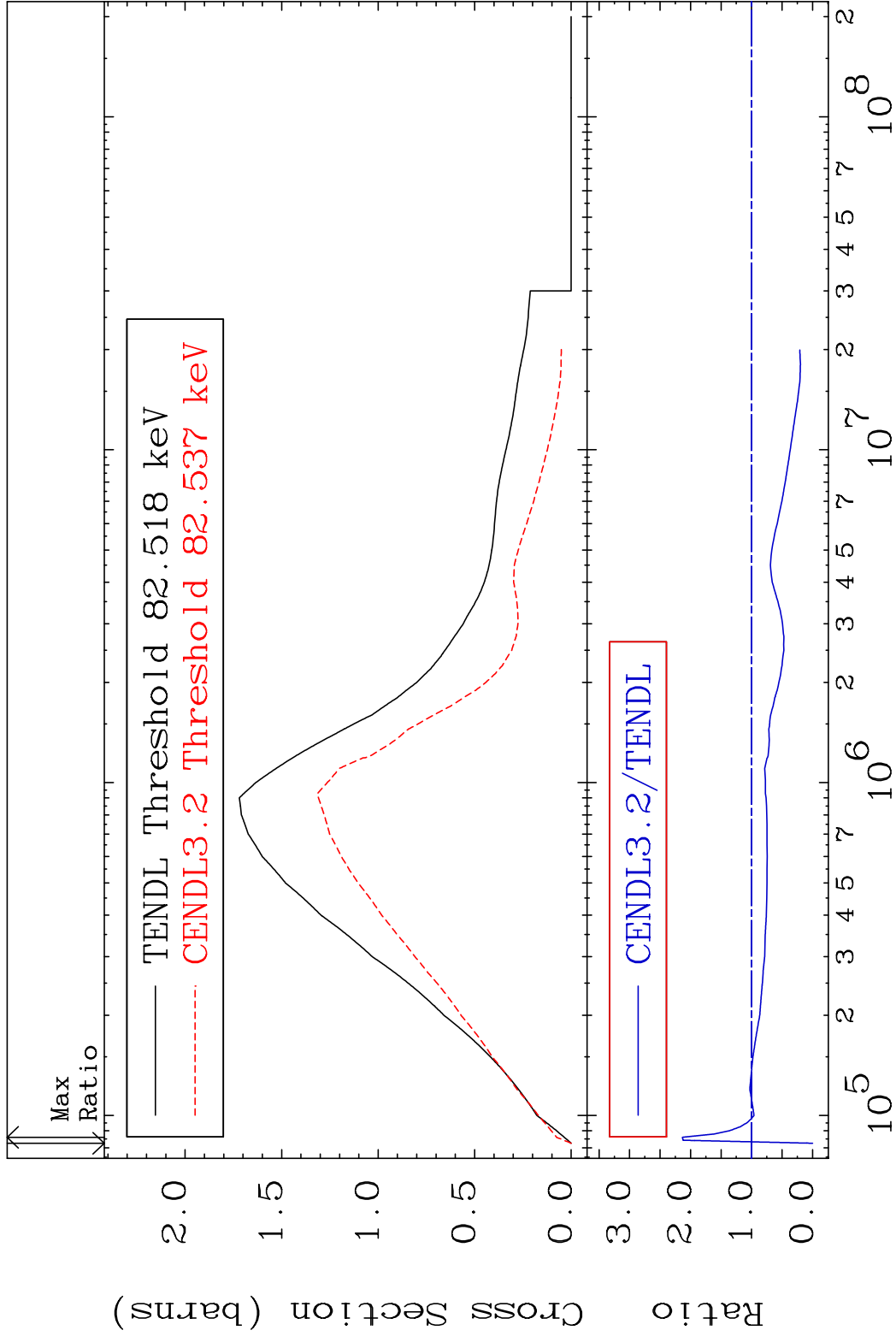








MAT 6255 MT= 51 (n,n') Level 62-Sm-154
Cross Section -100.0 To 113.5 %



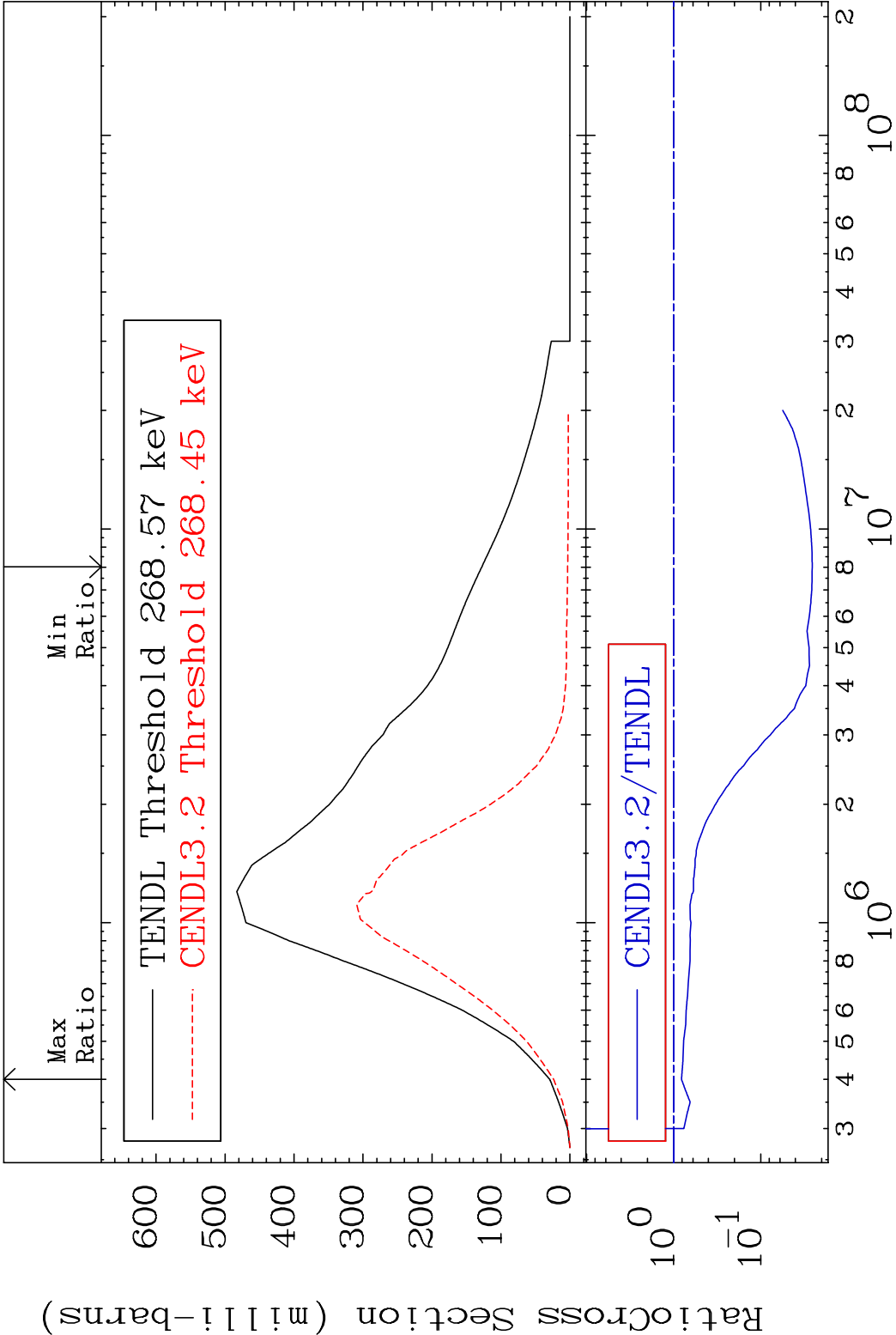
MAT 6255

MT= 52 (n,n') Level

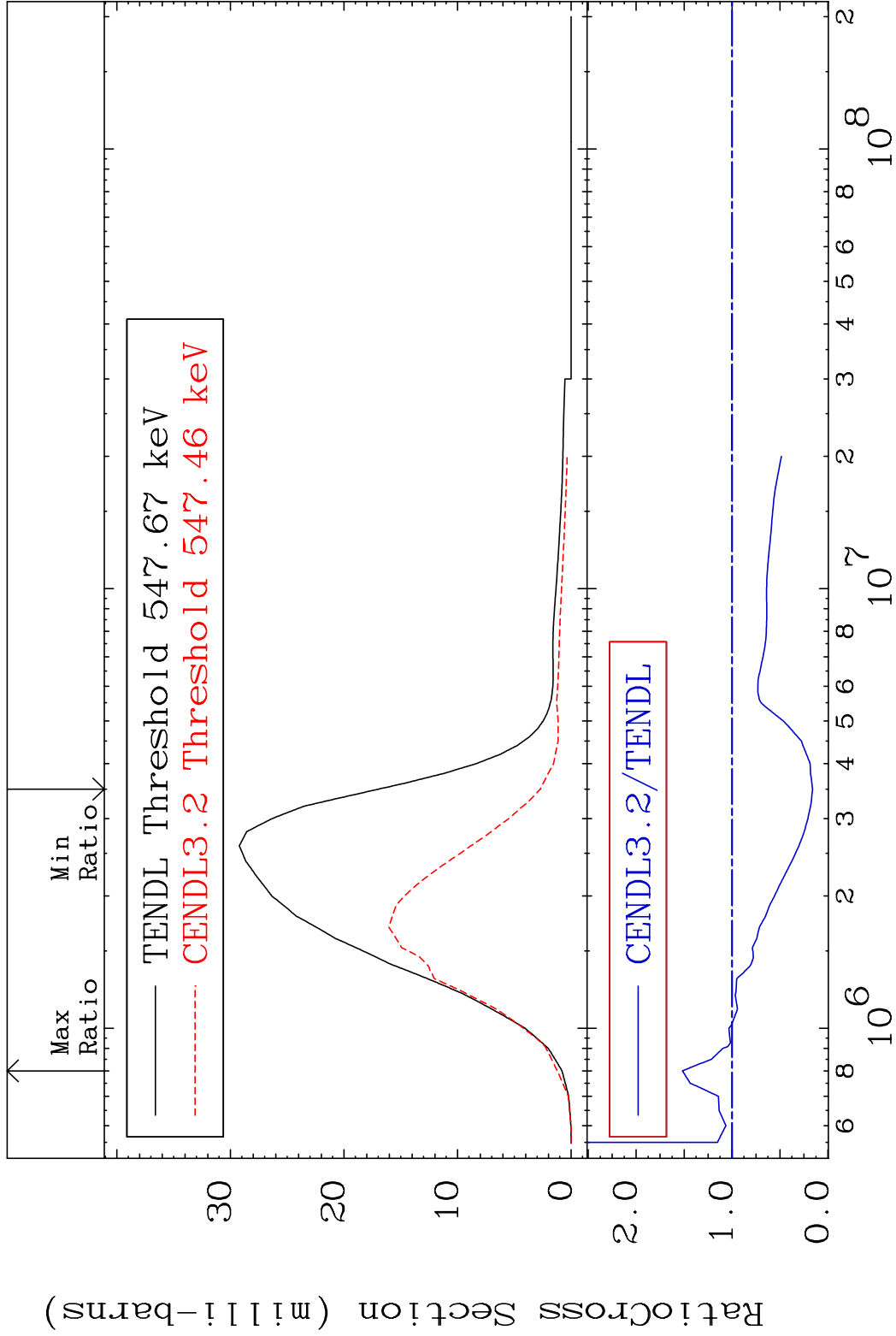
62-Sm-154

Cross Section

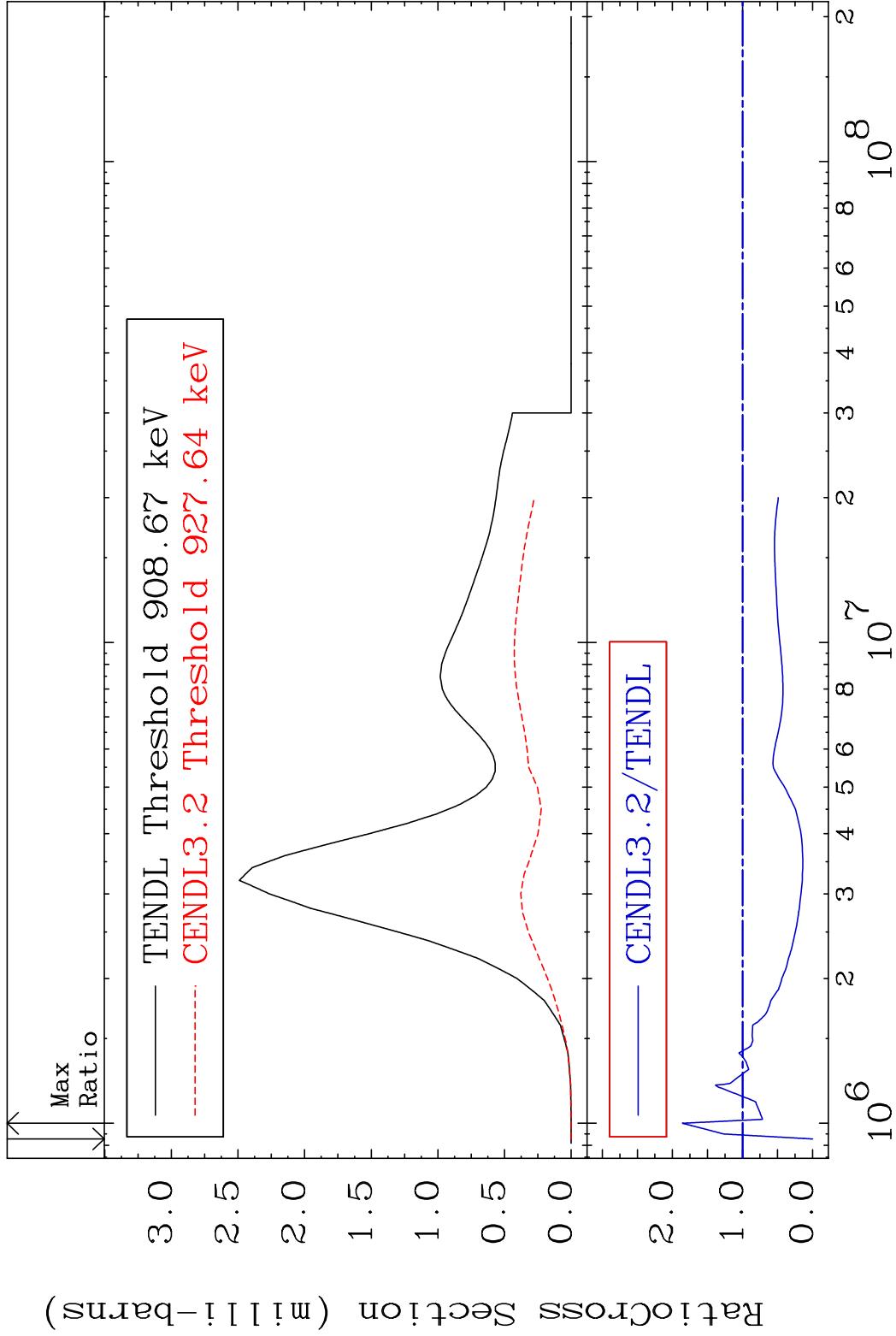
-97.43 To -18.79%



MAT 6255 MT= 53 (n,n') Level 62-Sm-154
Cross Section -83.99 To 51.82 %

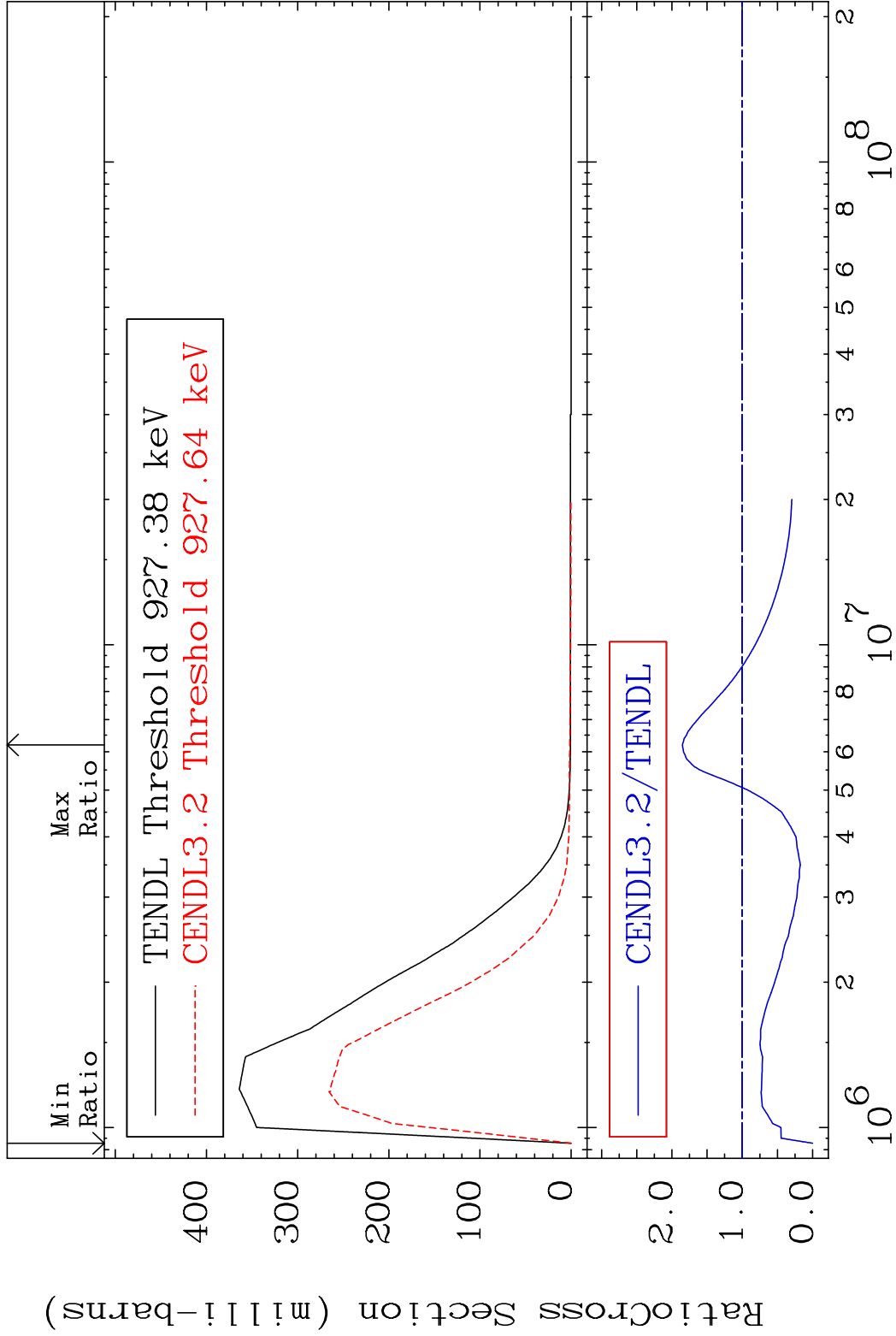


MAT 6255 MT= 54 (n,n') Level 62-Sm-154
Cross Section -100.0 To 85.82 %



11 Incident Energy (eV) 62-Sm-154

MAT 6255 MT= 55 (n,n') Level 62-Sm-154
Cross Section -100.0 To 85.17 %



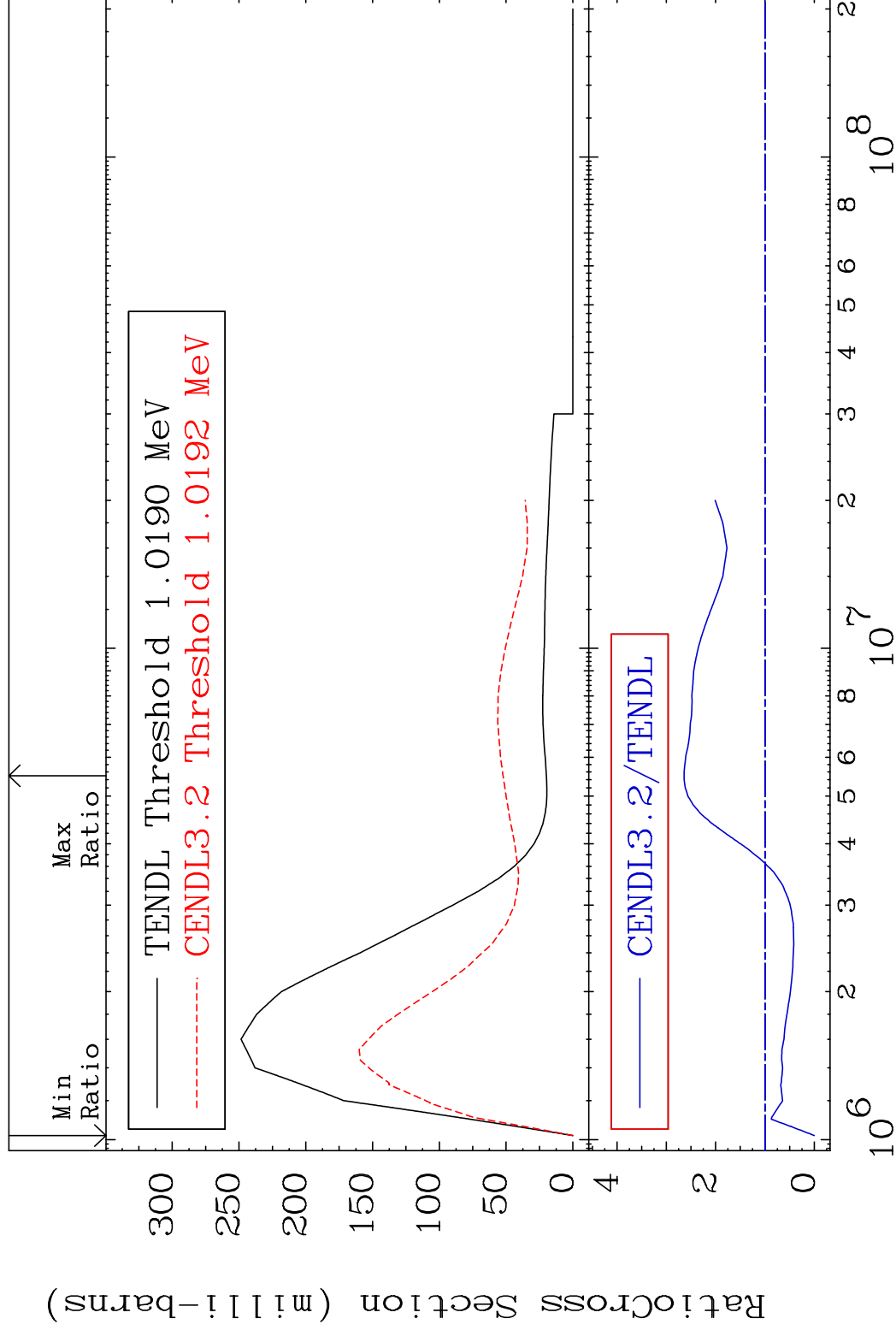
12 Incident Energy (eV) 62-Sm-154

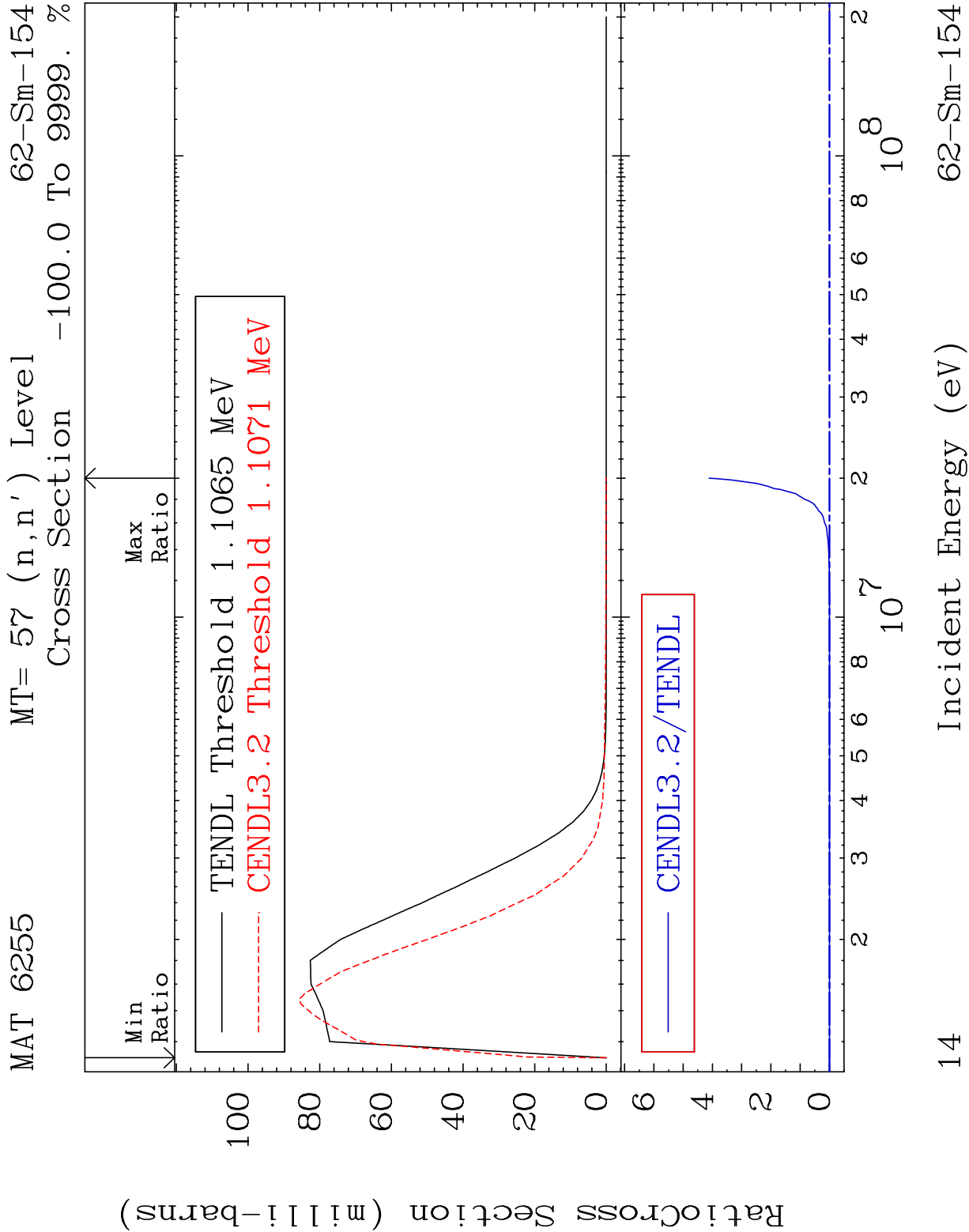
MAT 6255

MT= 56 (n, n') Level

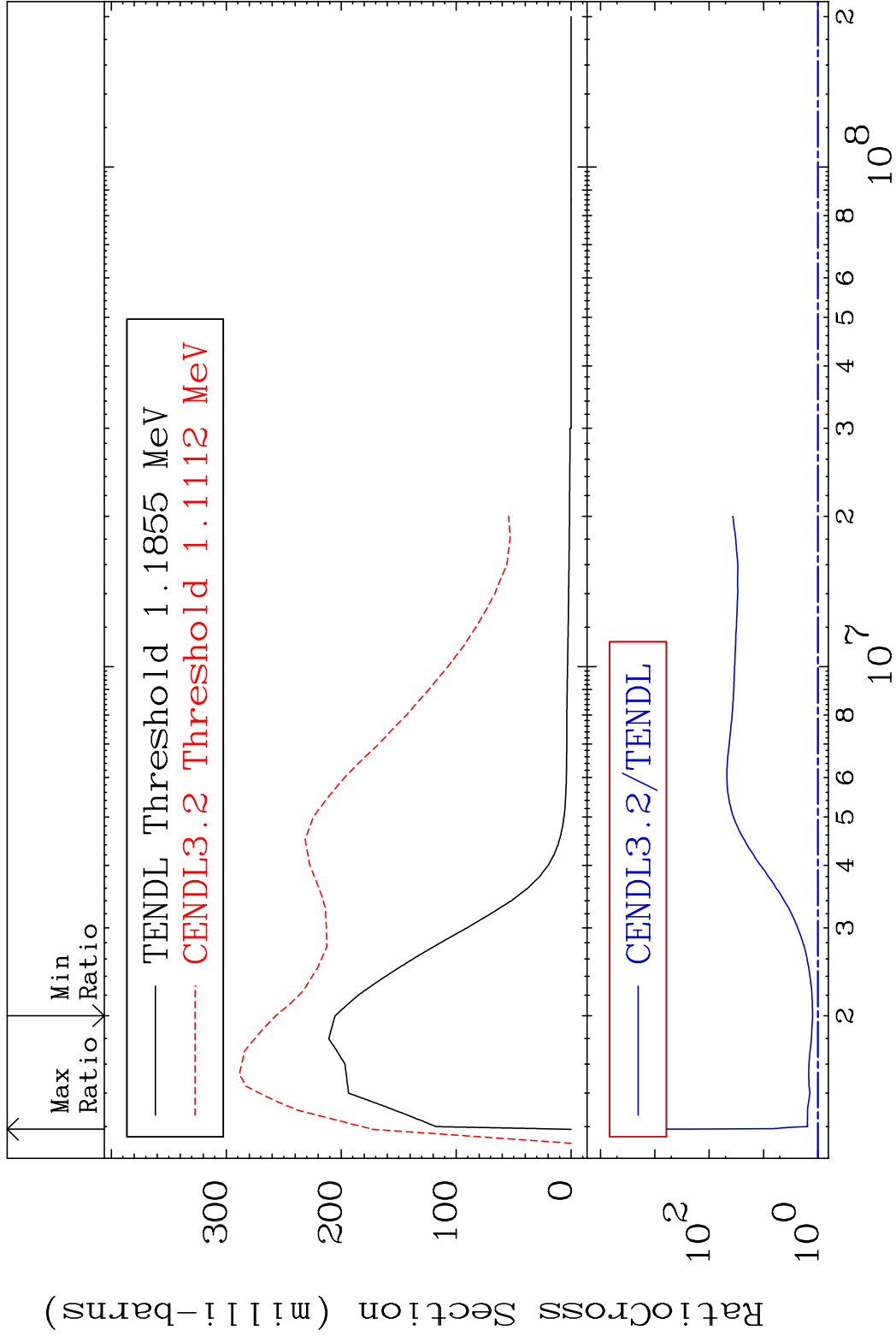
62-Sm-154

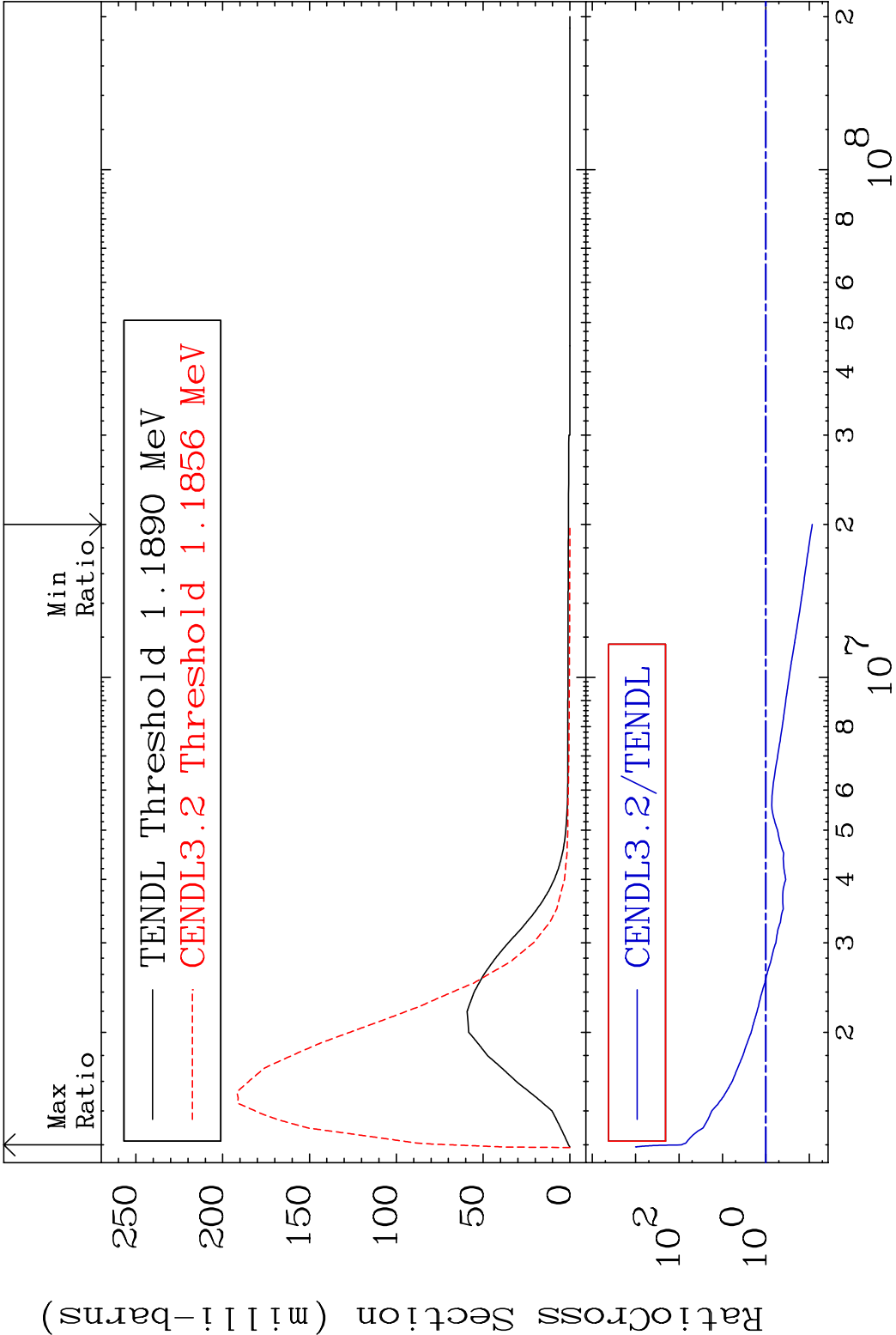
Cross Section	-100.0 To 164.0 %
---------------	-------------------

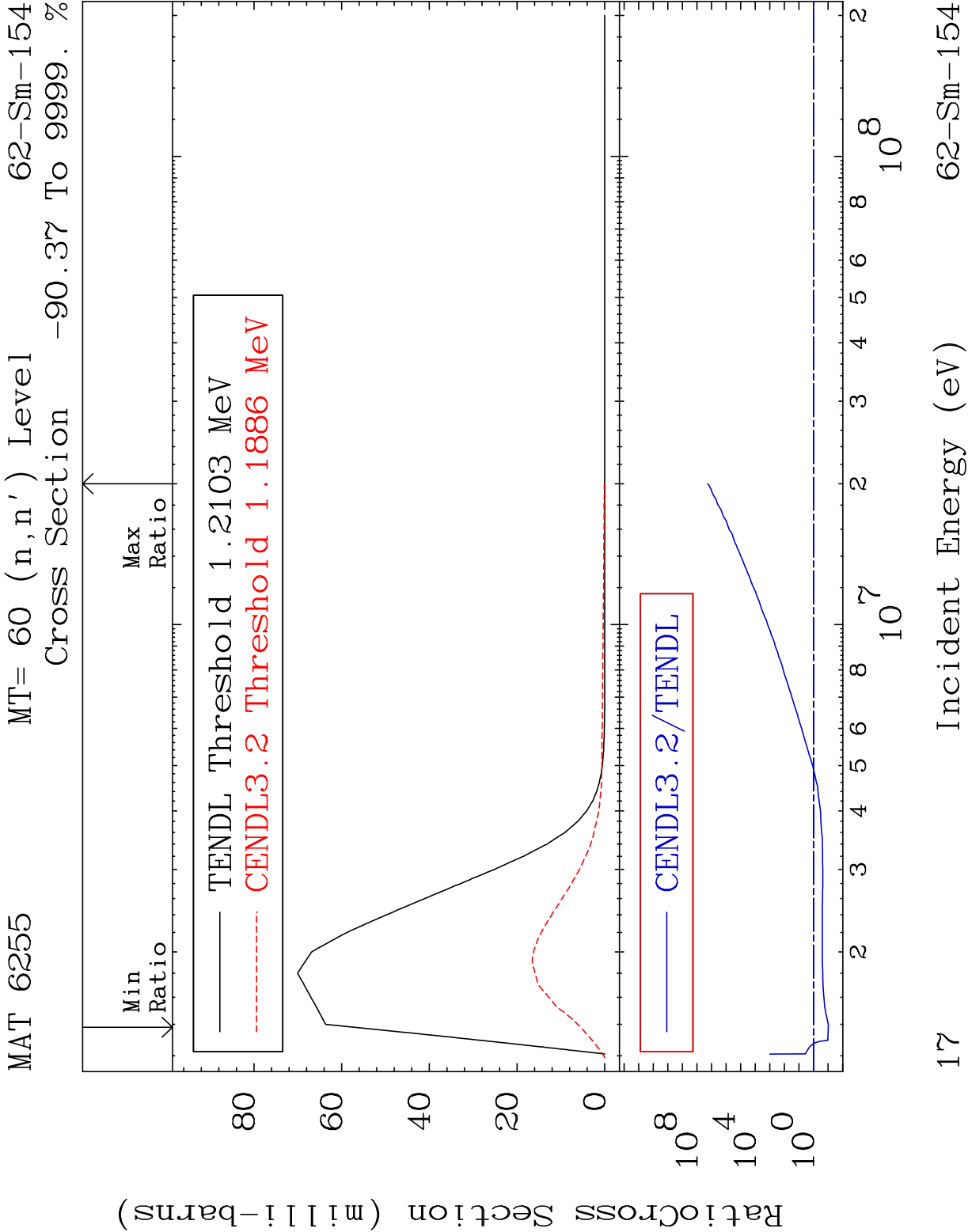




MAT 6255MT= 58 (n,n') Level 62-Sm-154
Cross Section 25.09 To 9999. %







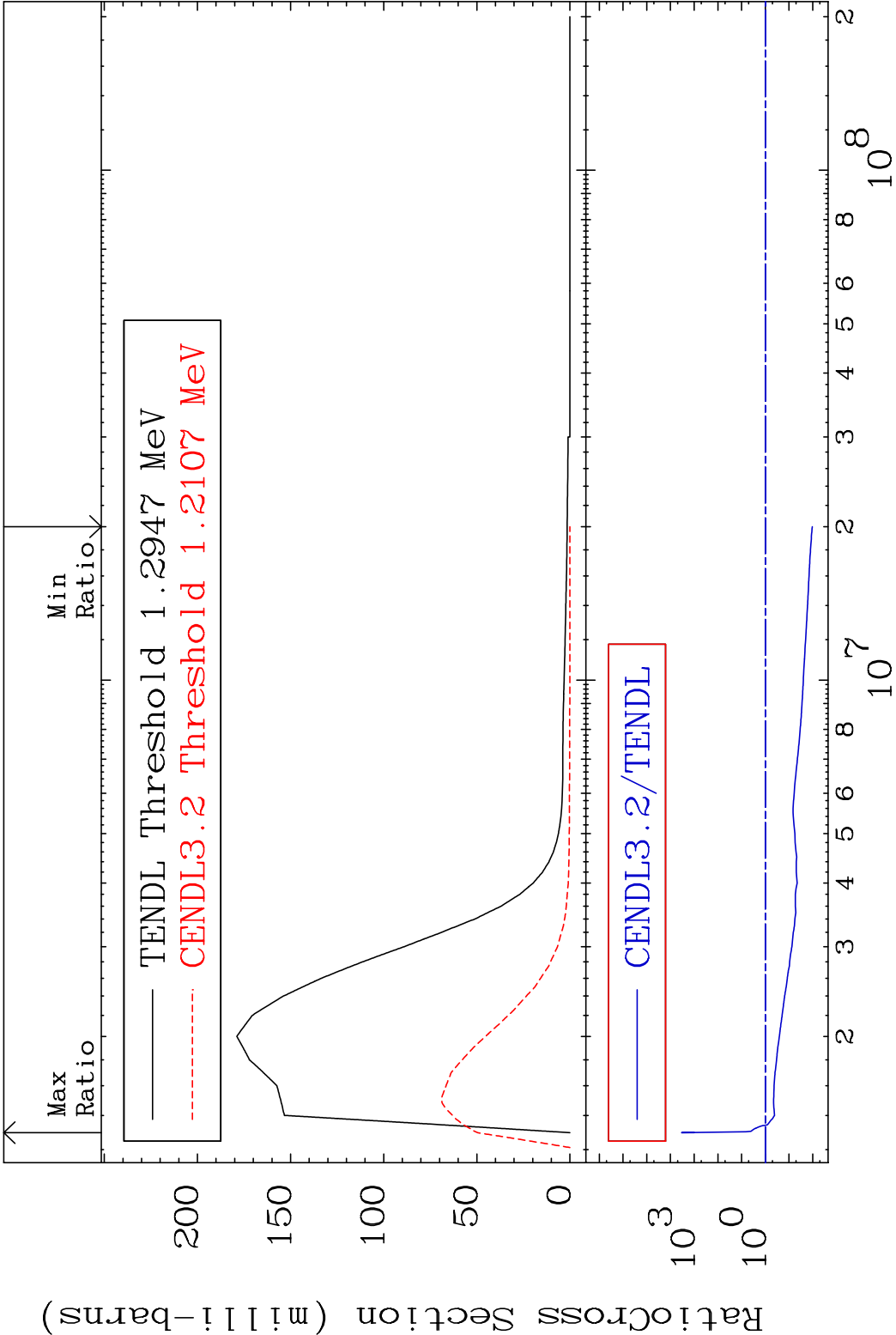
MAT 6255

MT= 61 (n,n') Level

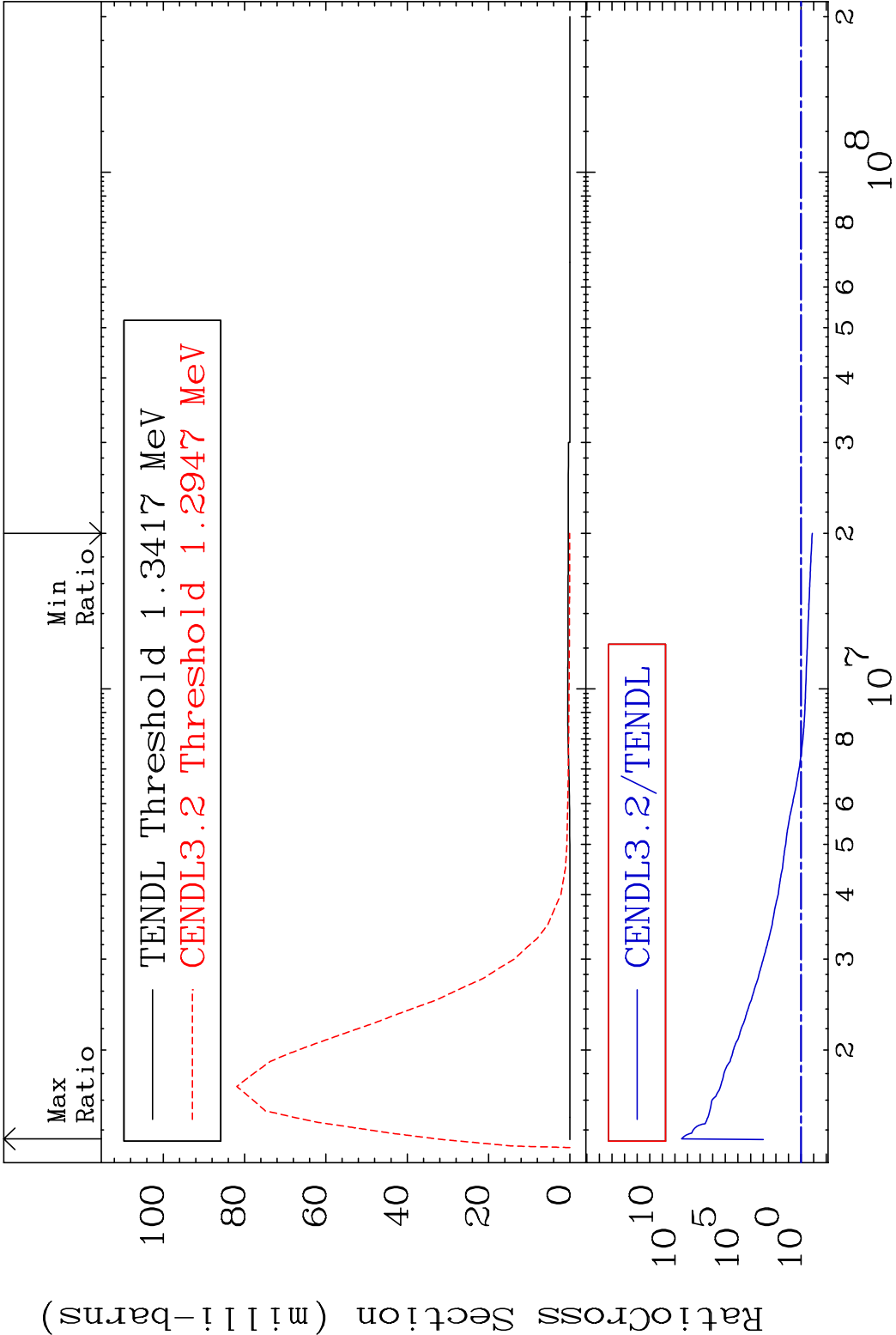
62-Sm-154

Cross Section

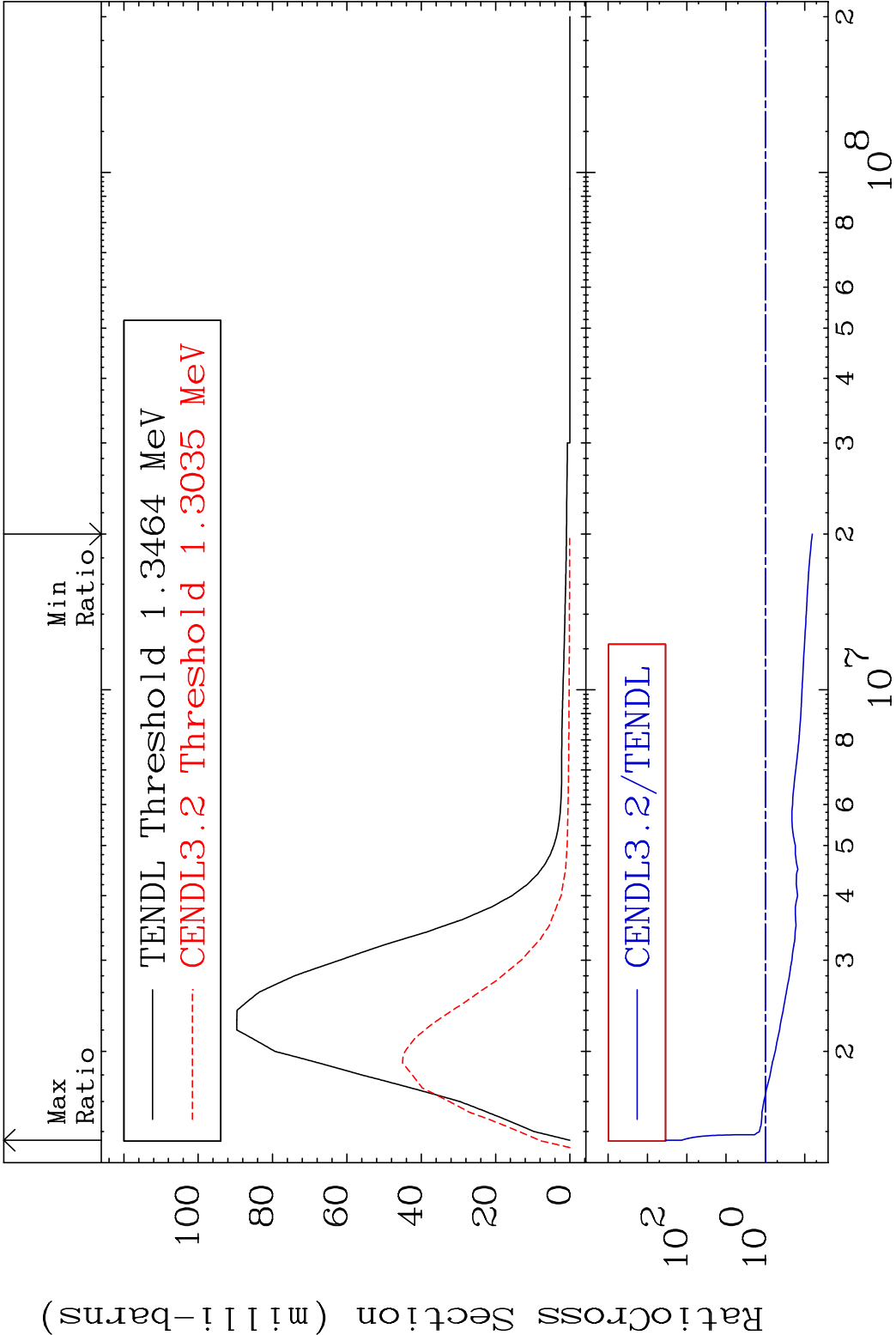
-98.95 To 9999. %

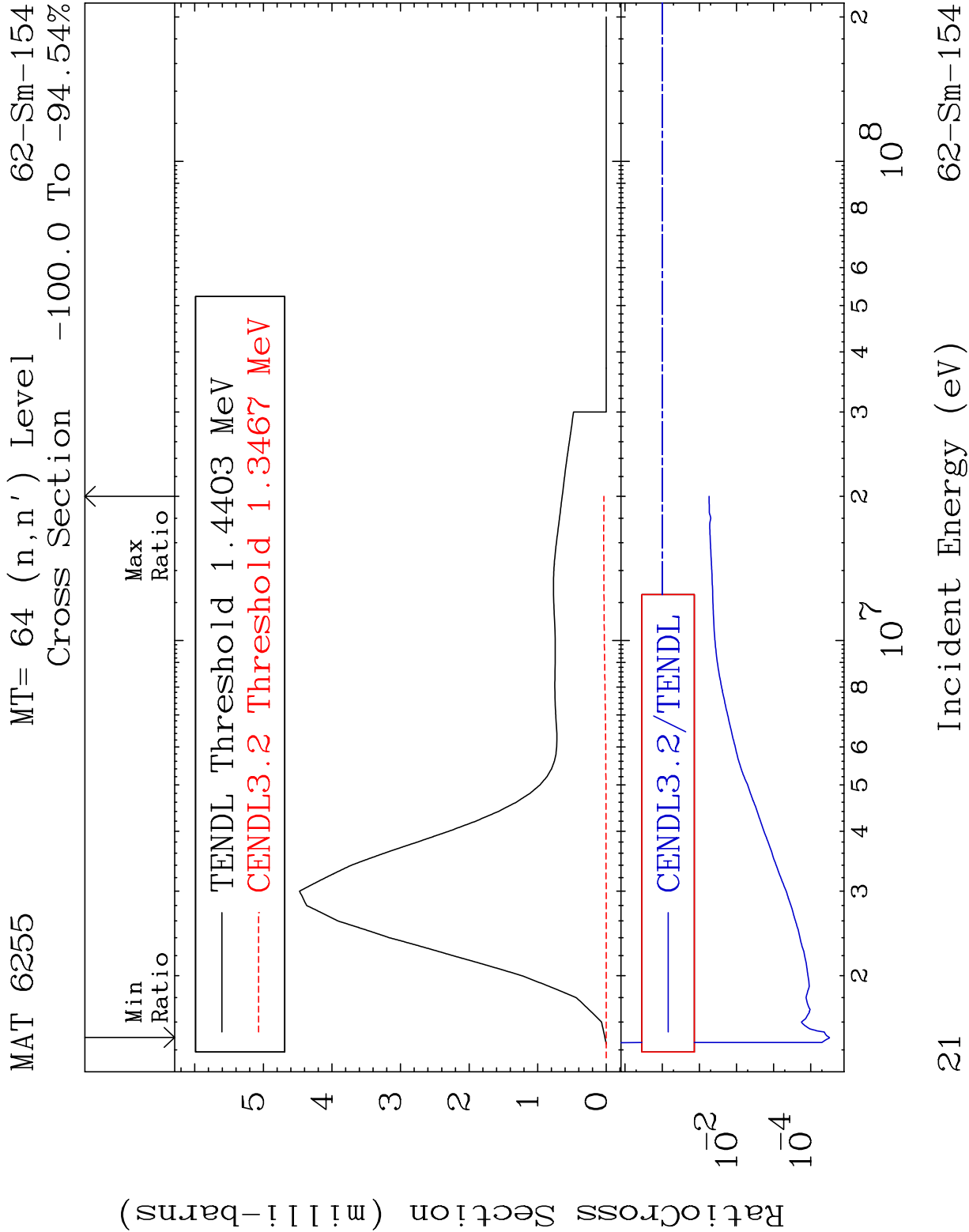


MAT 6255 MT= 62 (n,n') Level 62-Sm-154
Cross Section -87.12 To 9999. %



MAT 6255 MT= 63 (n,n') Level 62-Sm-154
Cross Section -93.58 To 9999. %





21

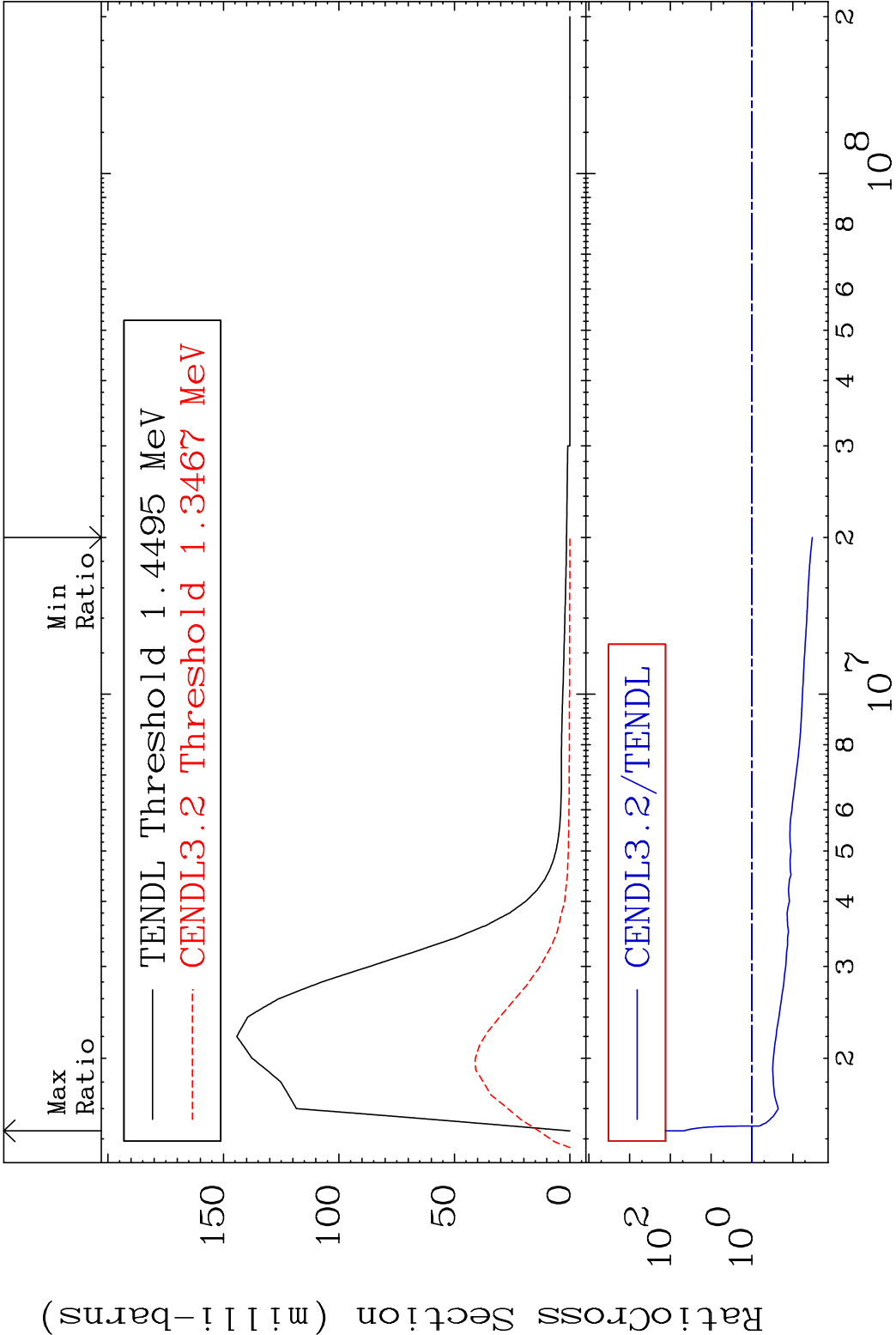
MAT 6255

MT= 65 (n,n') Level

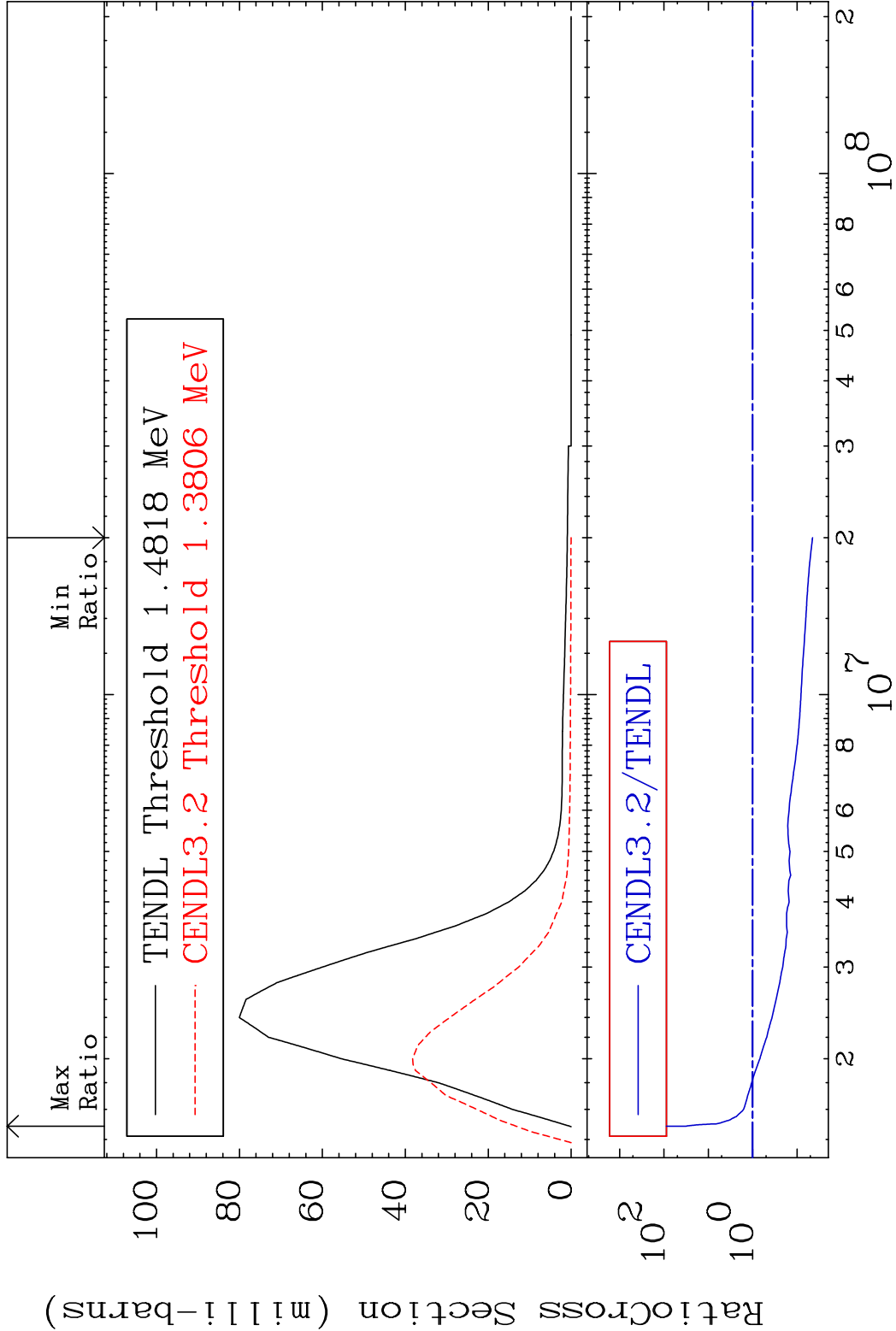
62-Sm-154

Cross Section

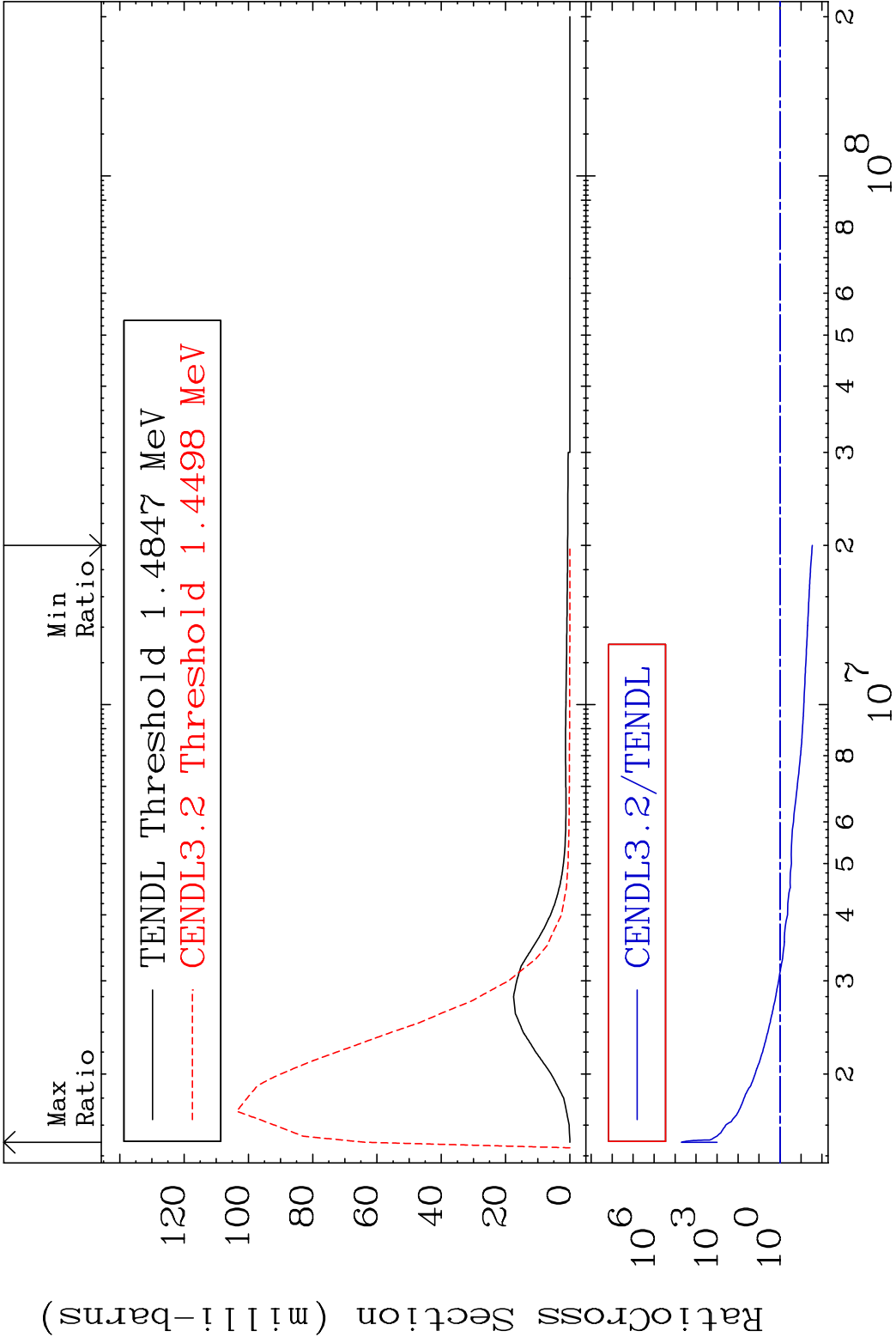
-96.68 To 5239. %



MAT 6255 MT= 66 (n,n') Level 62-Sm-154
Cross Section -95.53 To 3746. %



MAT 6255 MT= 67 (n,n') Level 62-Sm-154
Cross Section -97.08 To 9999. %



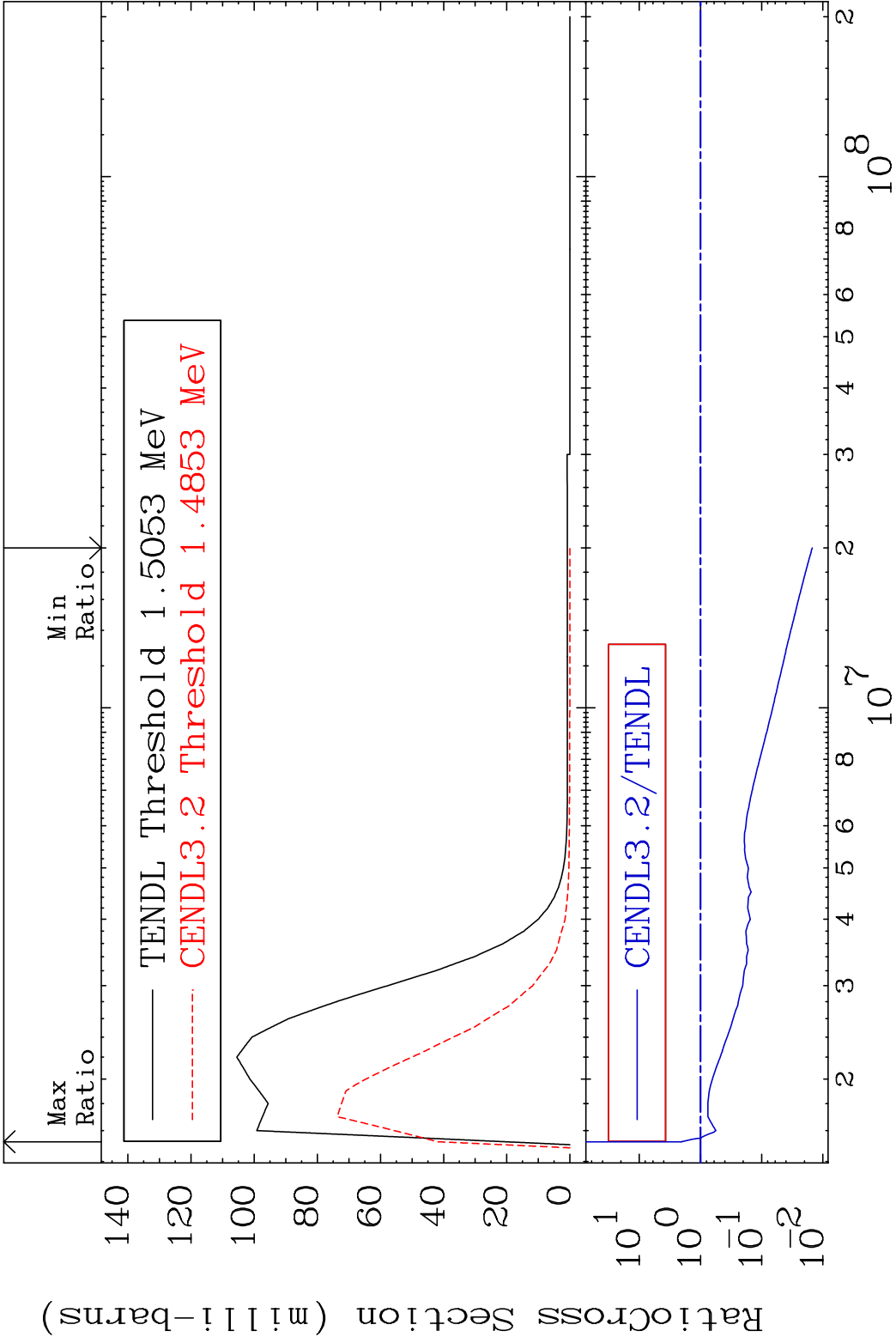
MAT 6255

MT= 68 (n,n') Level

62-Sm-154

Cross Section

-98.51 To 104.2 %



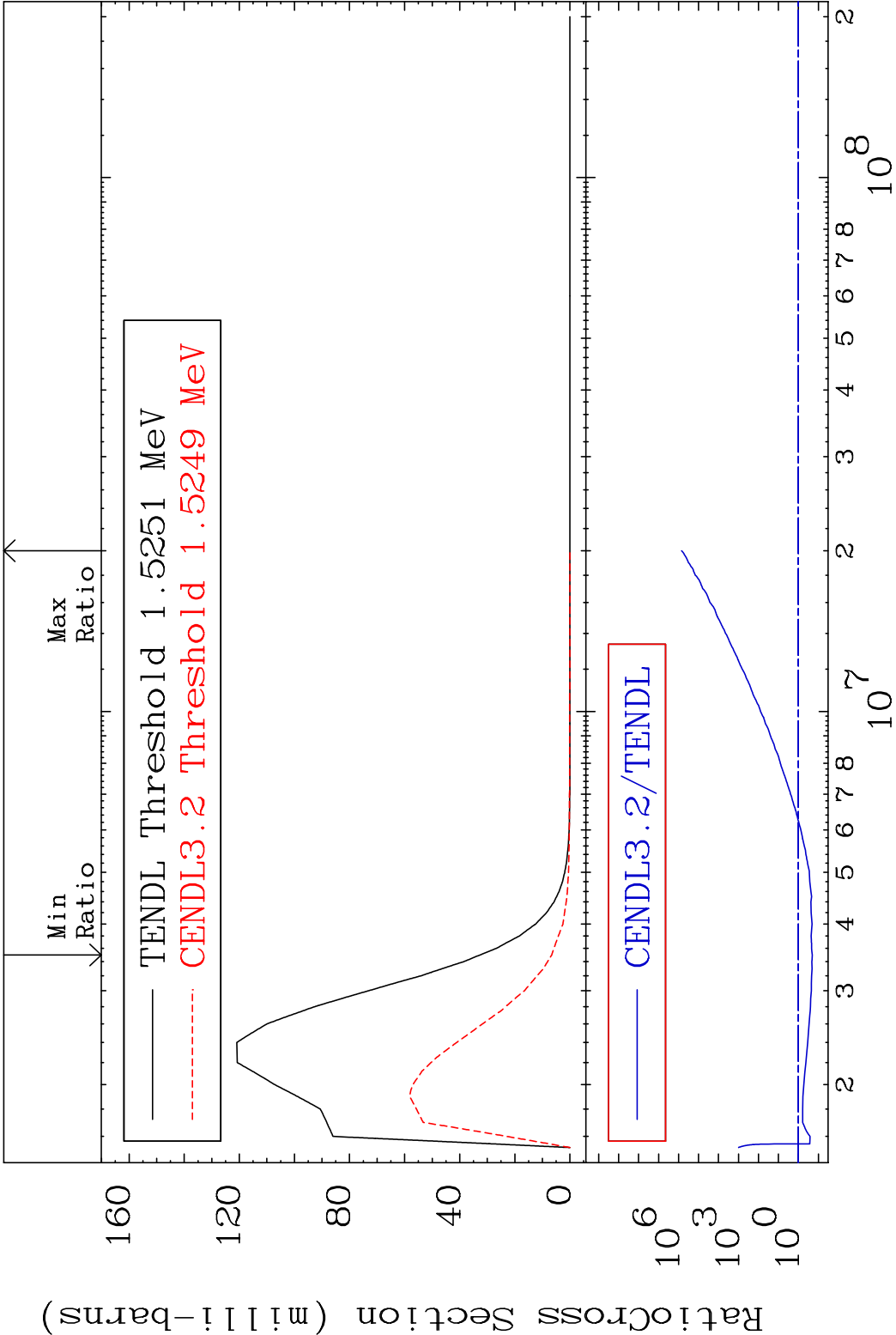
MAT 6255

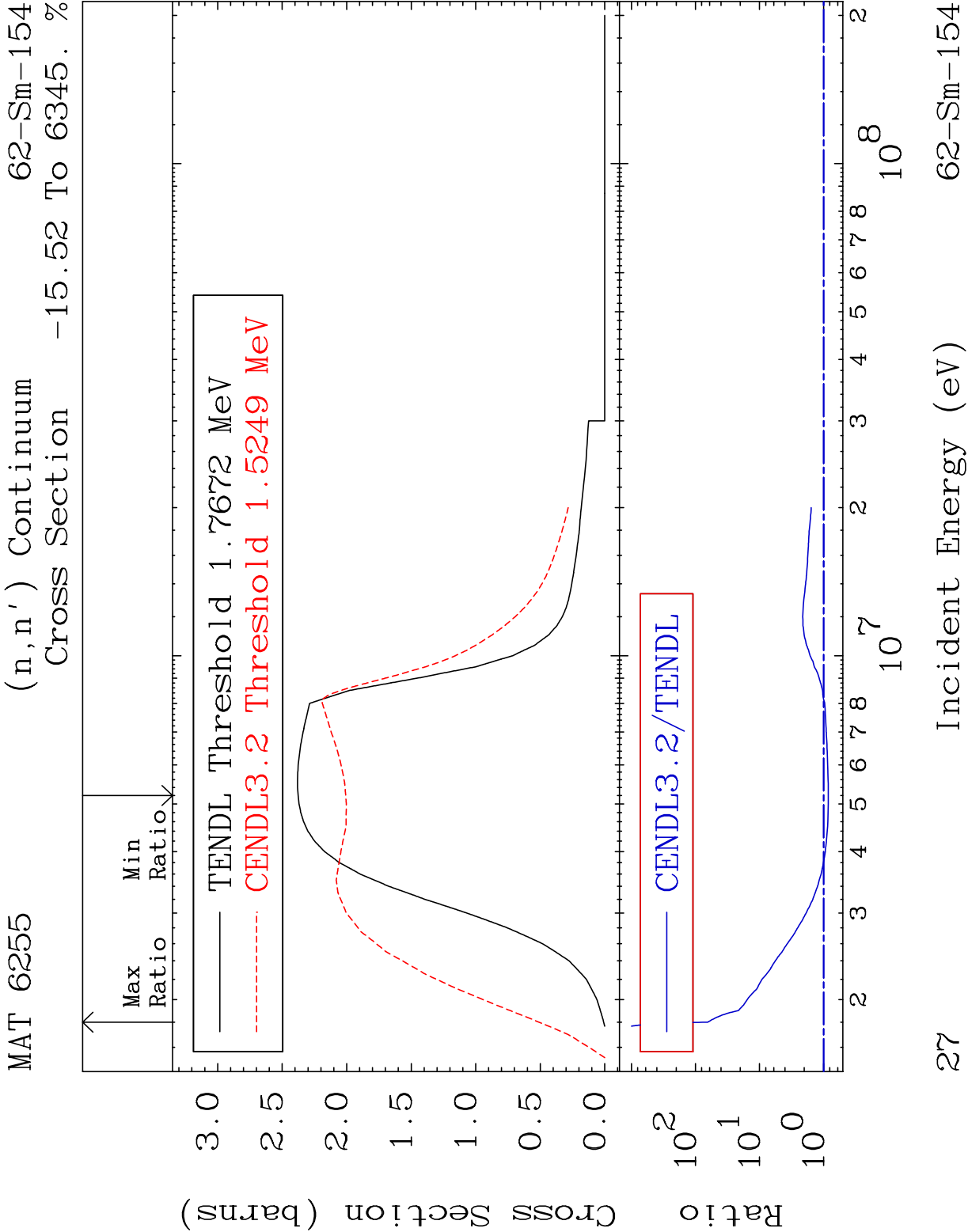
MT= 69 (n,n') Level

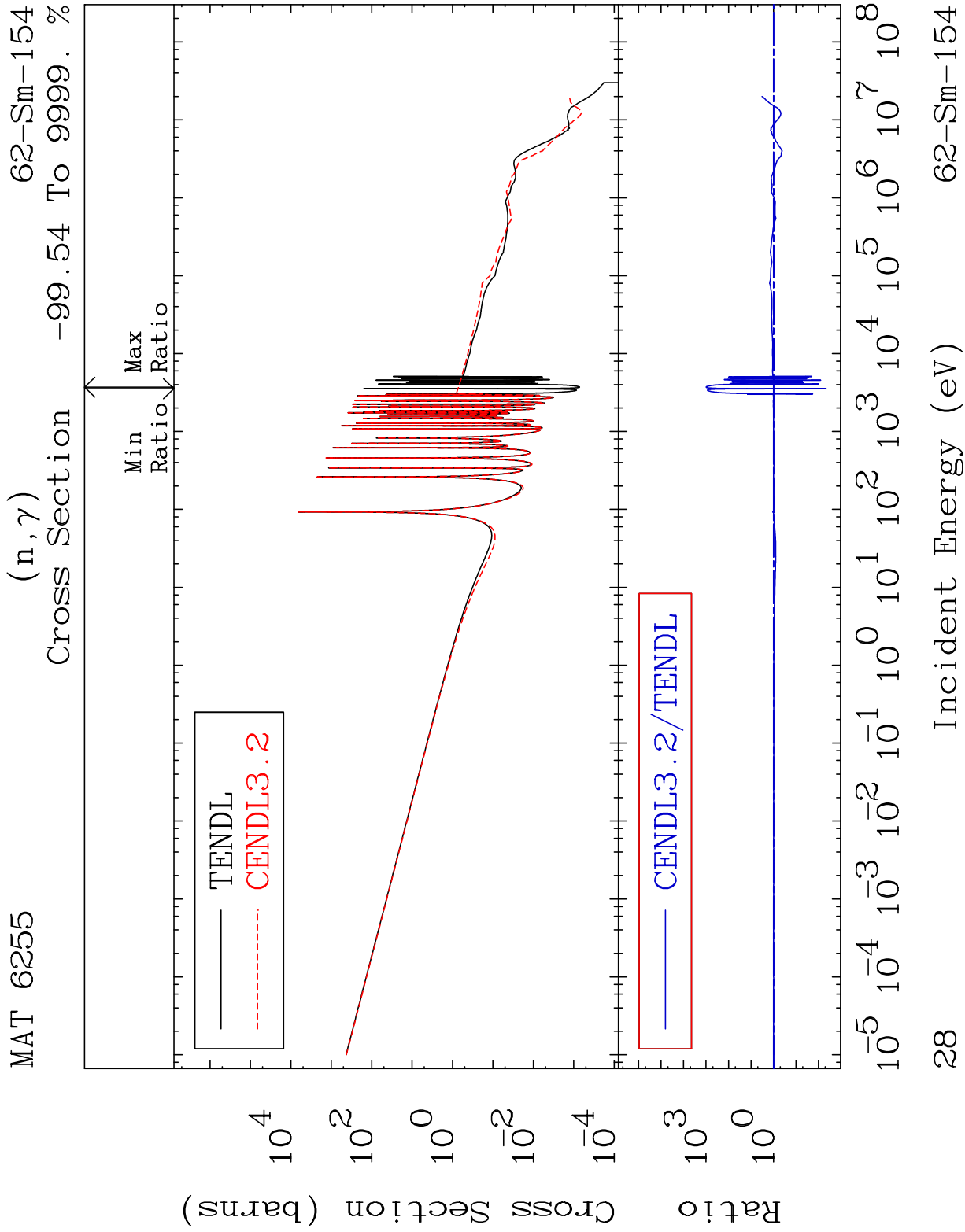
62-Sm-154

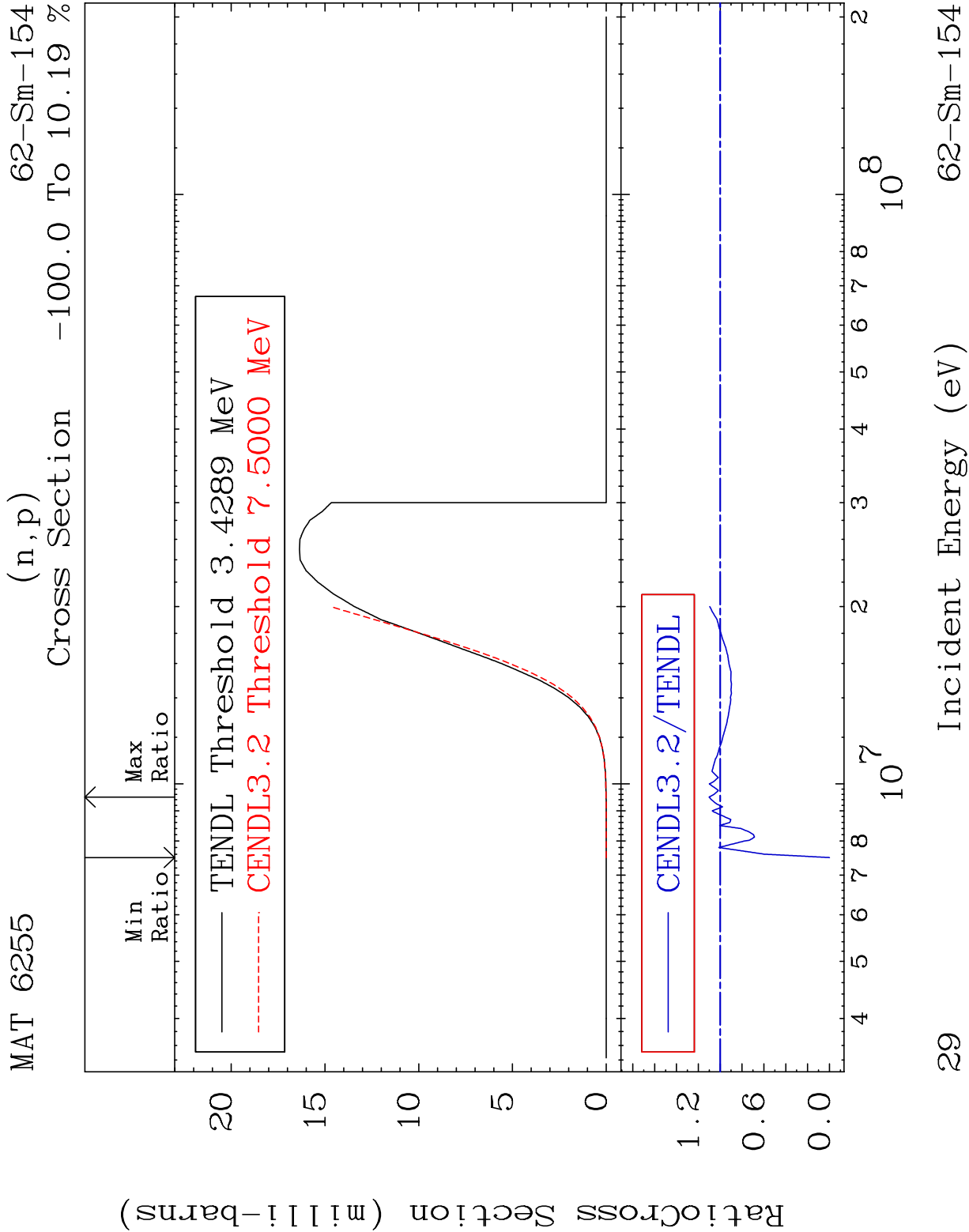
Cross Section

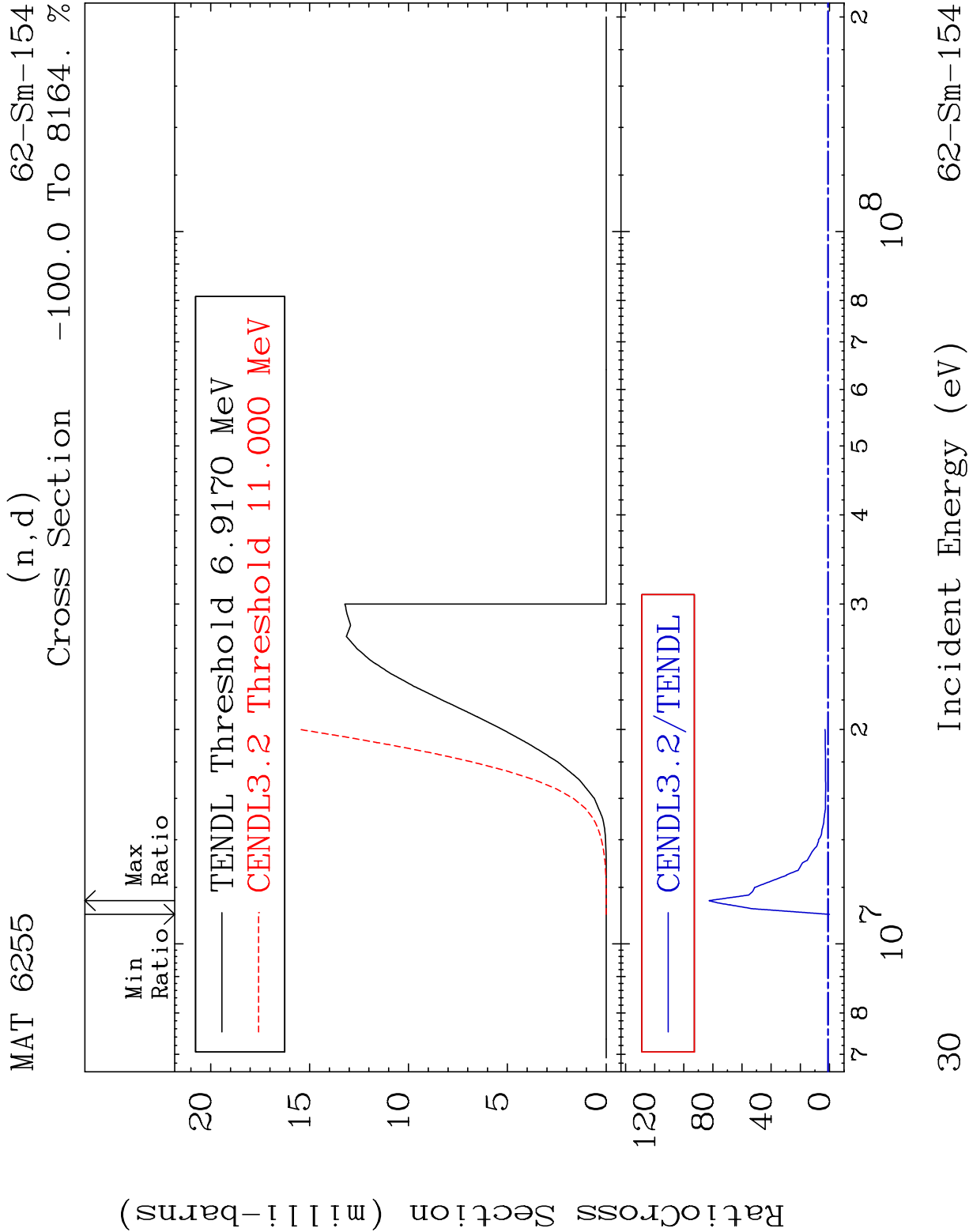
-79.72 To 9999. %

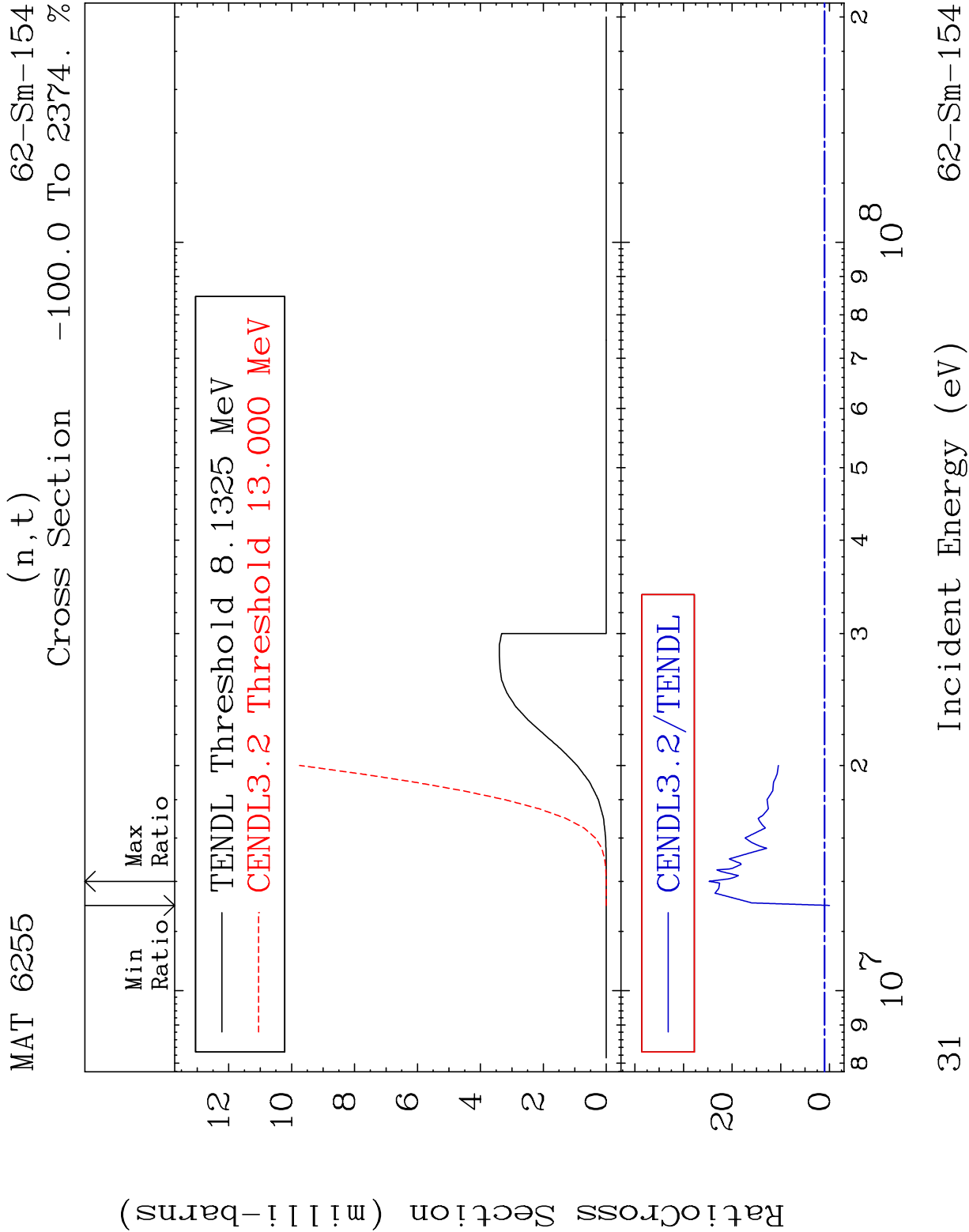


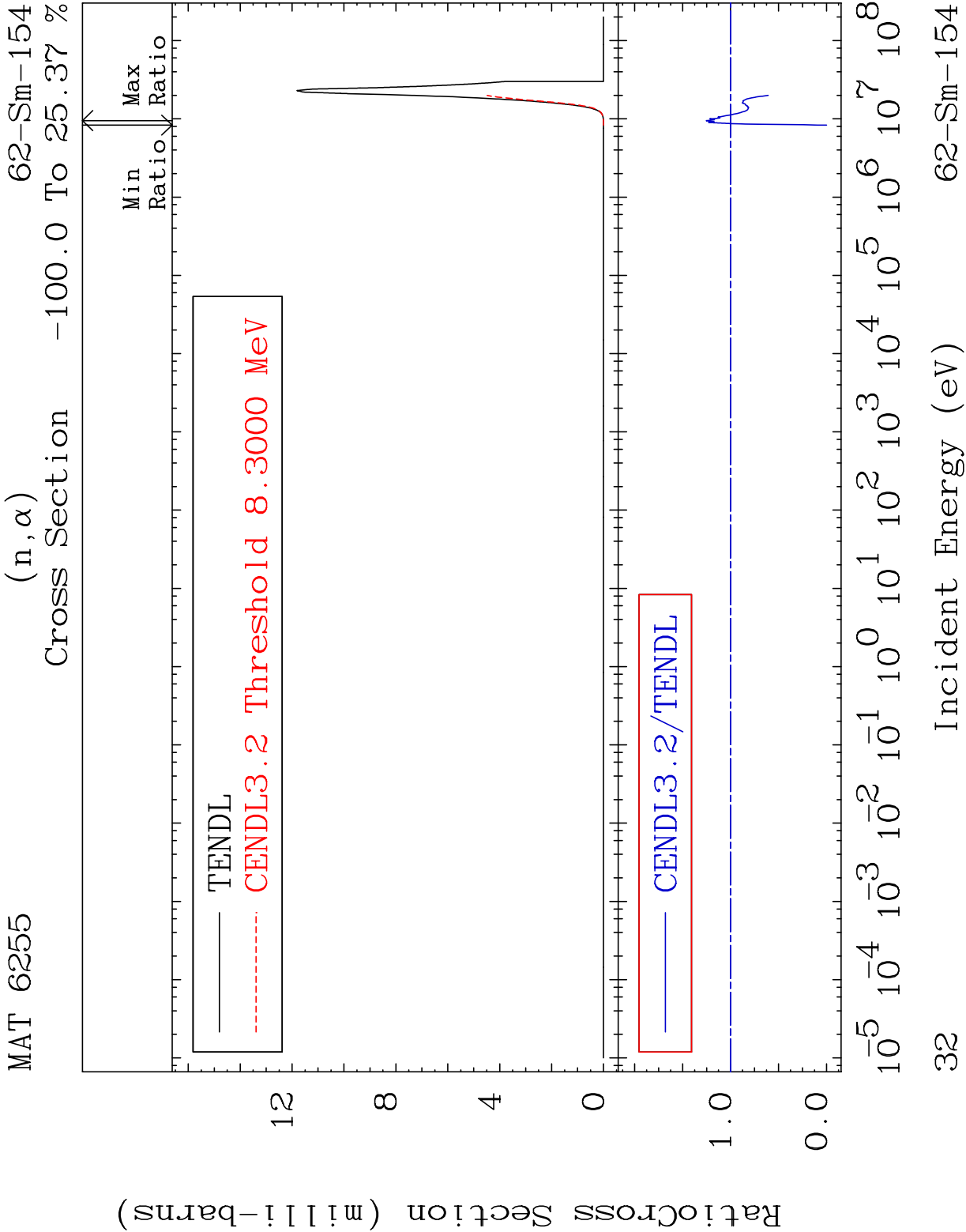


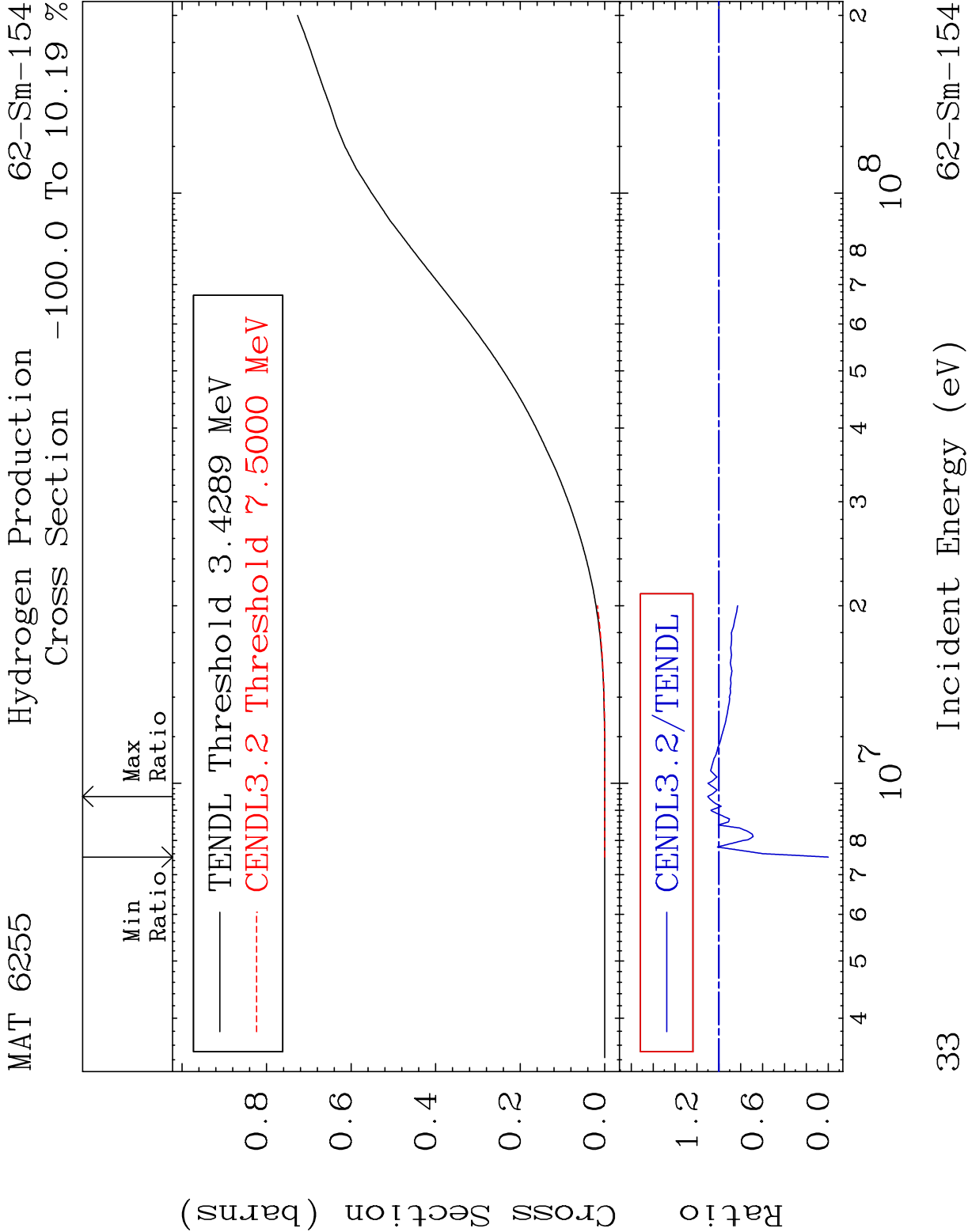


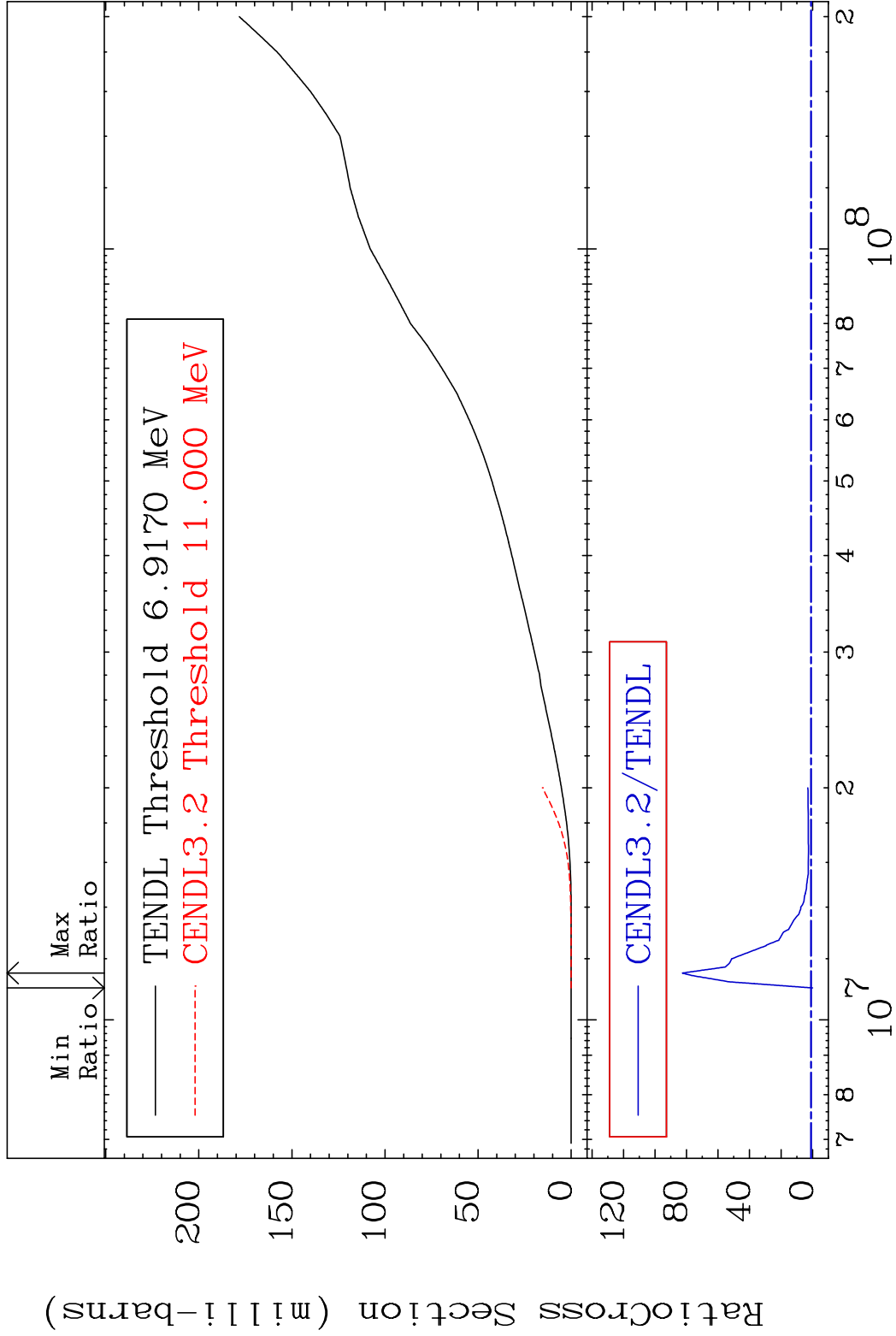


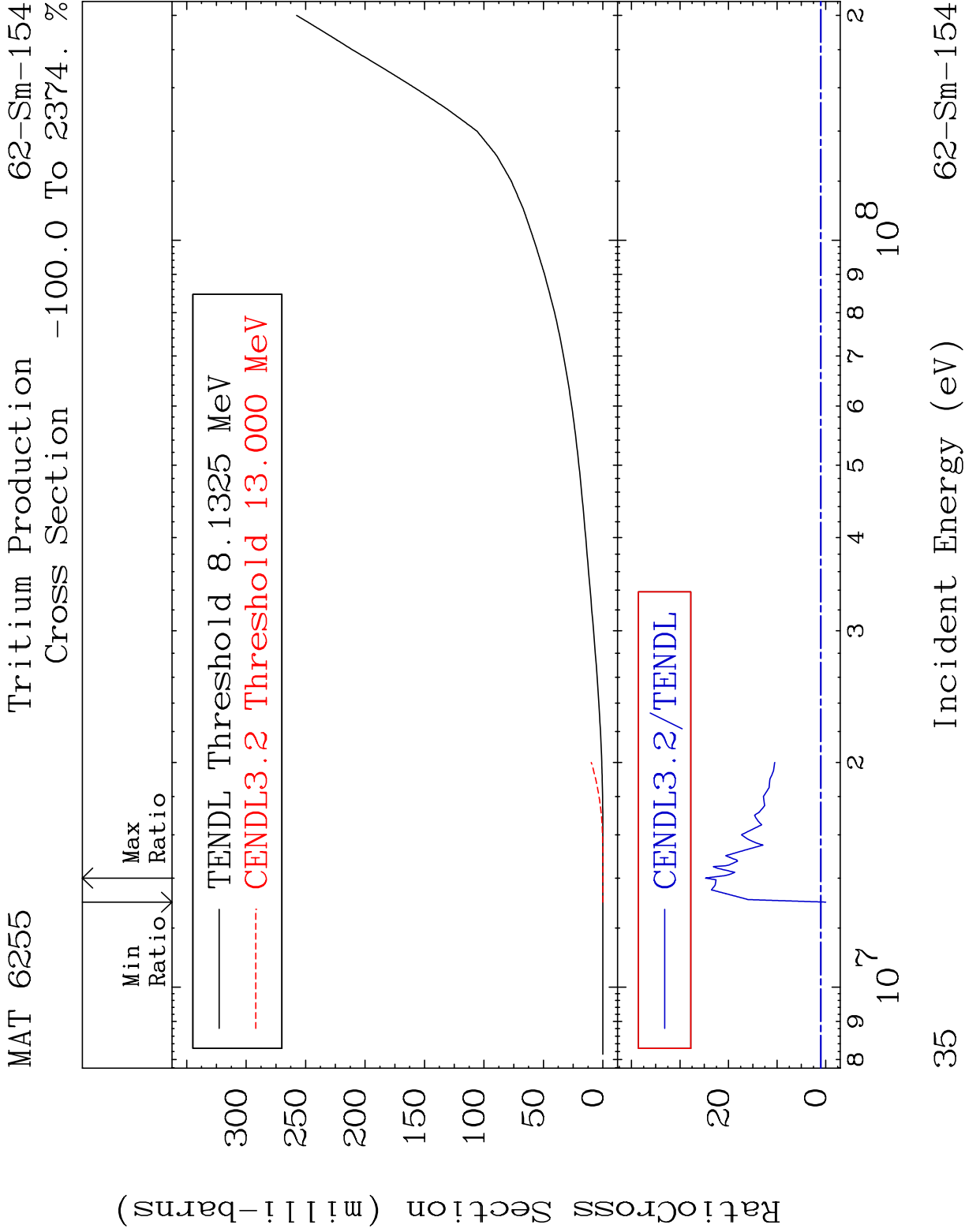




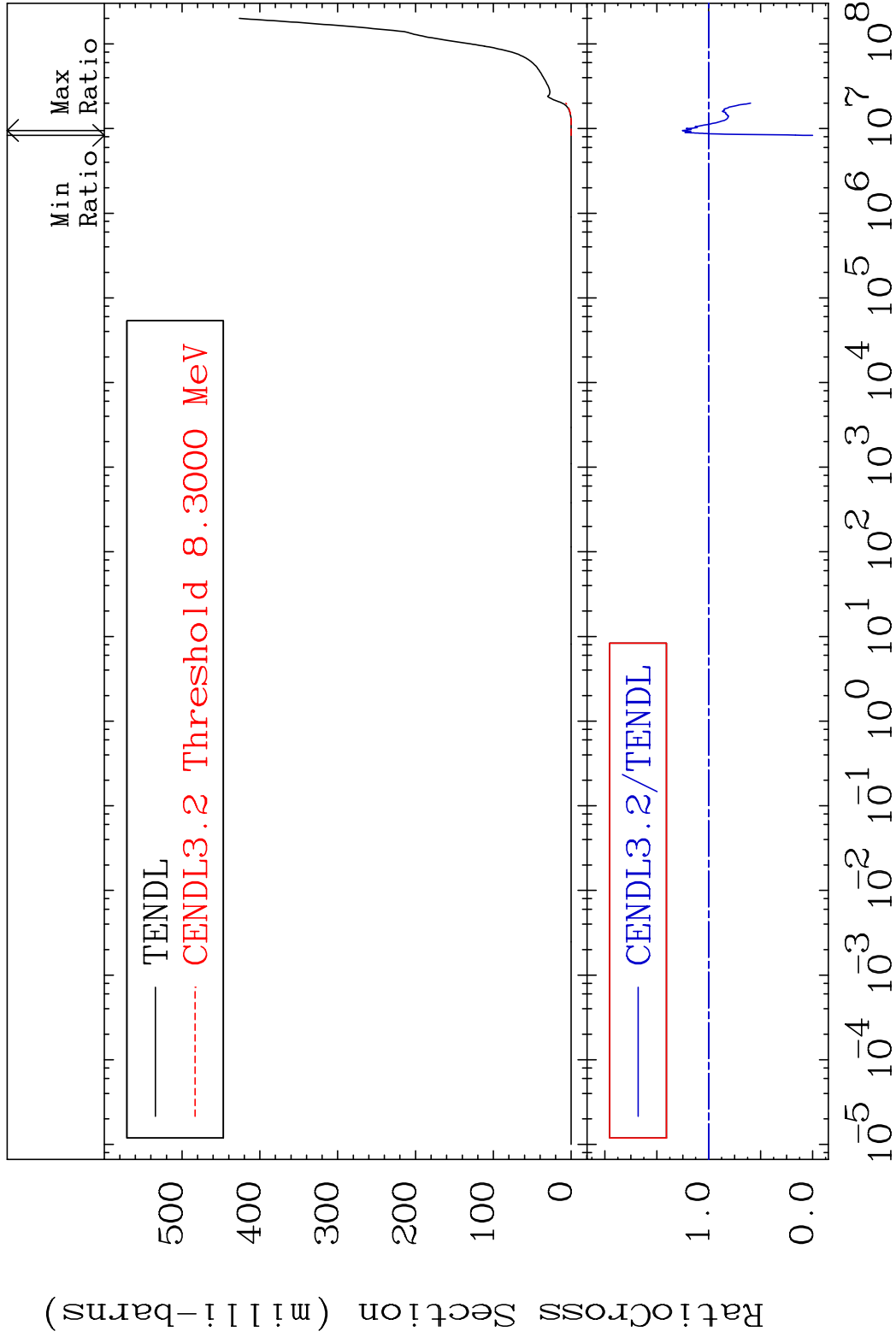








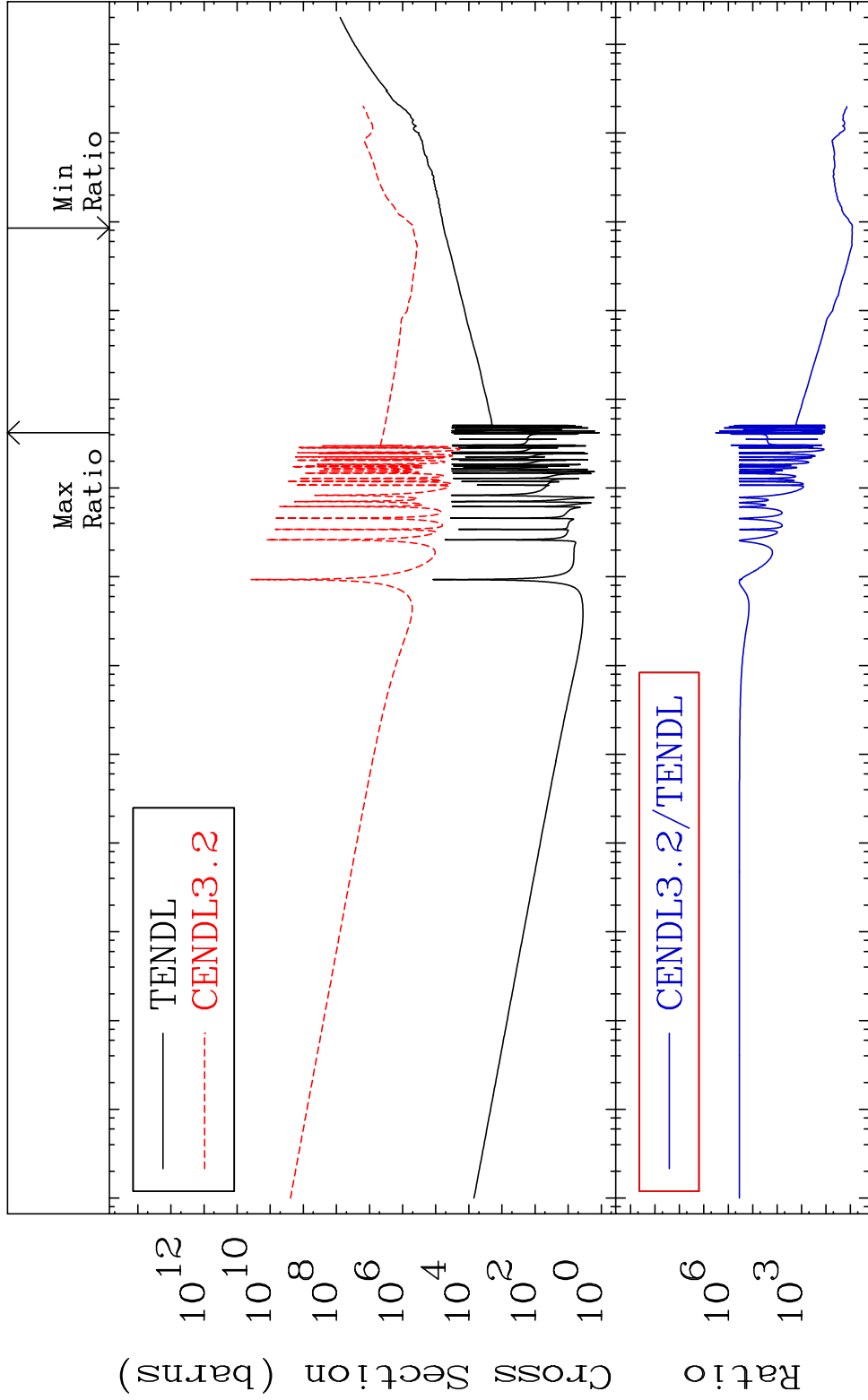
MAT 6255 He-4 Production 62-Sm-154
Cross Section -100.0 To 25.37 %



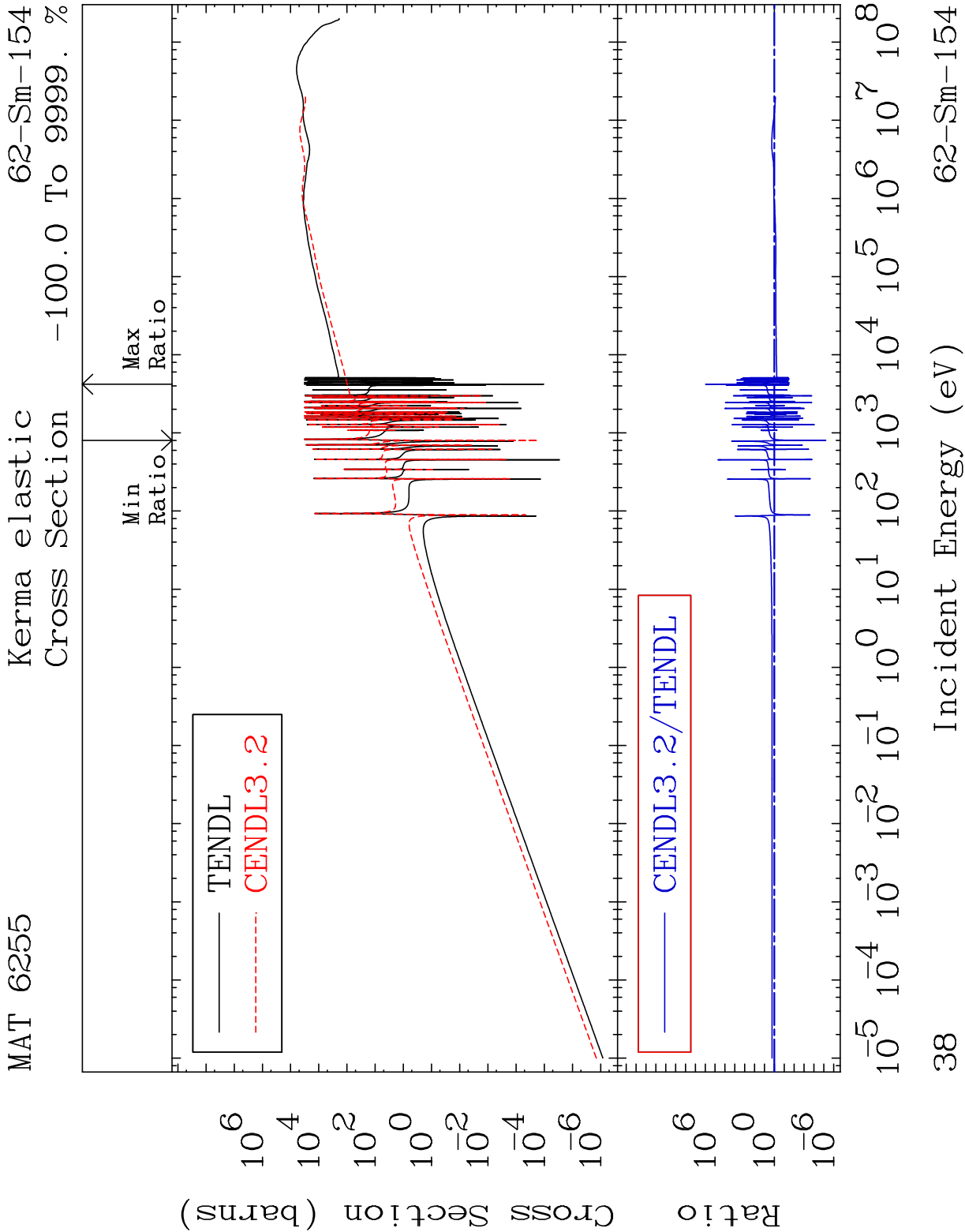
36 Incident Energy (eV) 62-Sm-154

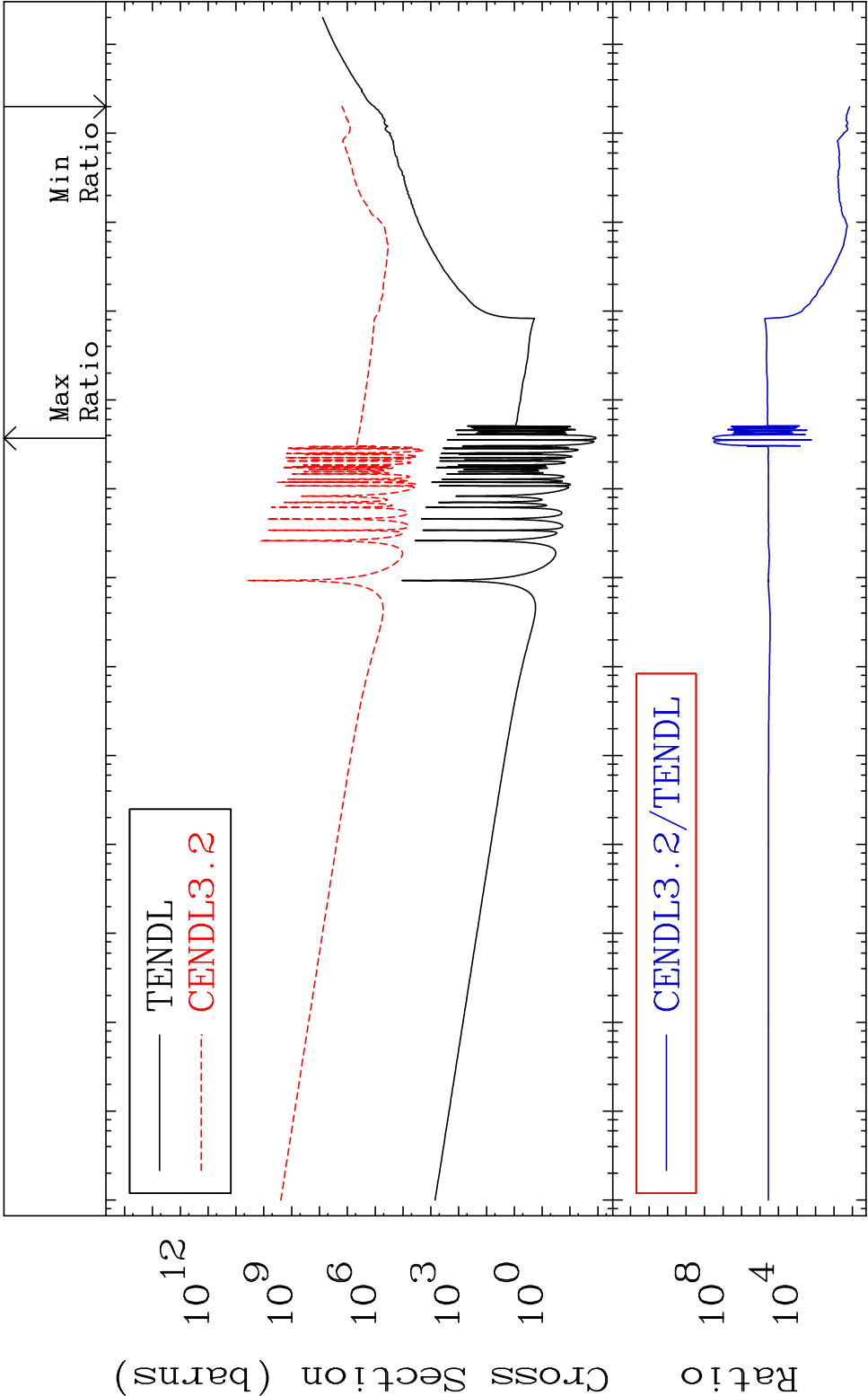
MAT 6255 Kerma total (eV-barns) 62-Sm-154

Cross Section 748.1 To 9999. %

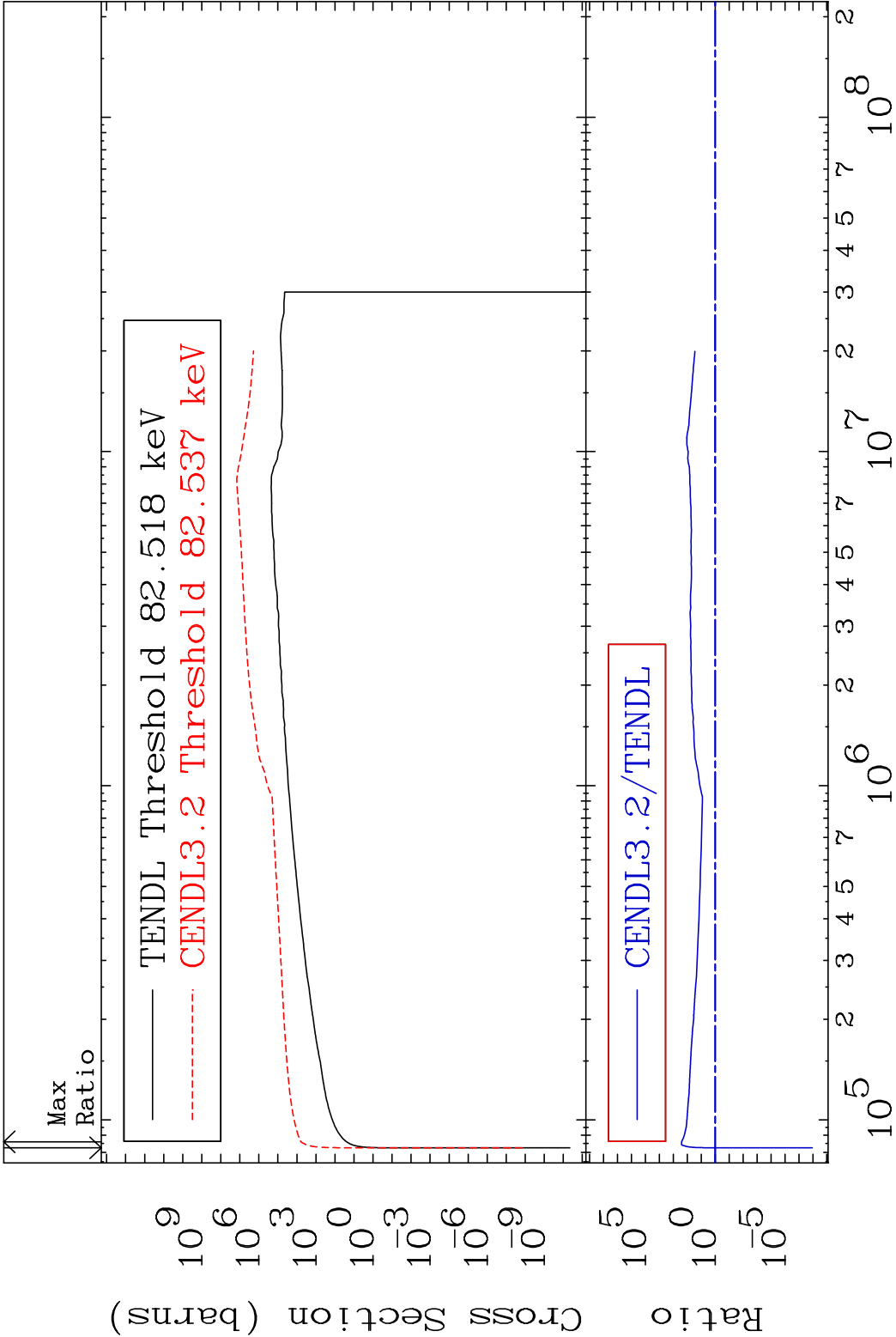


37 Incident Energy (eV) 62-Sm-154



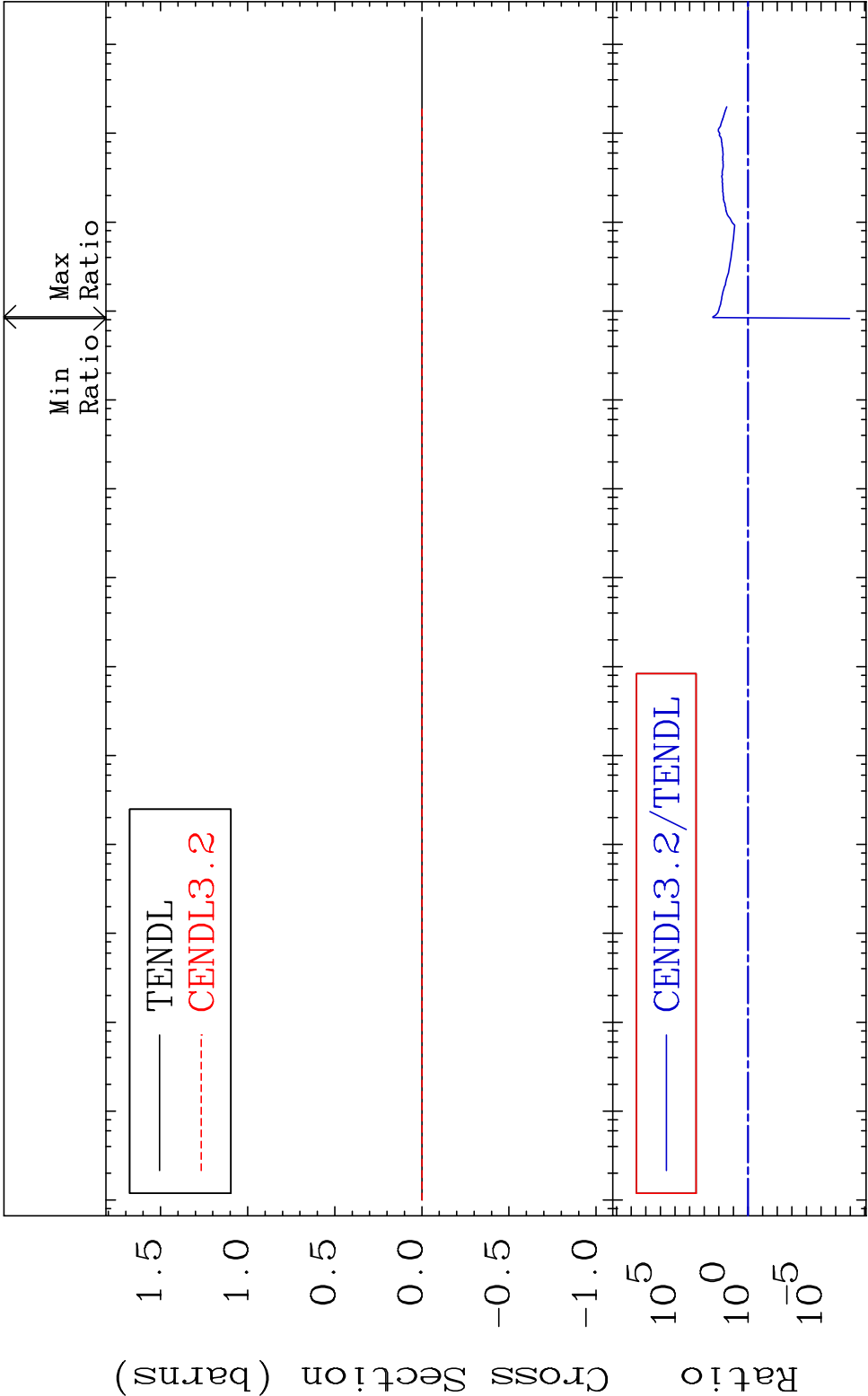


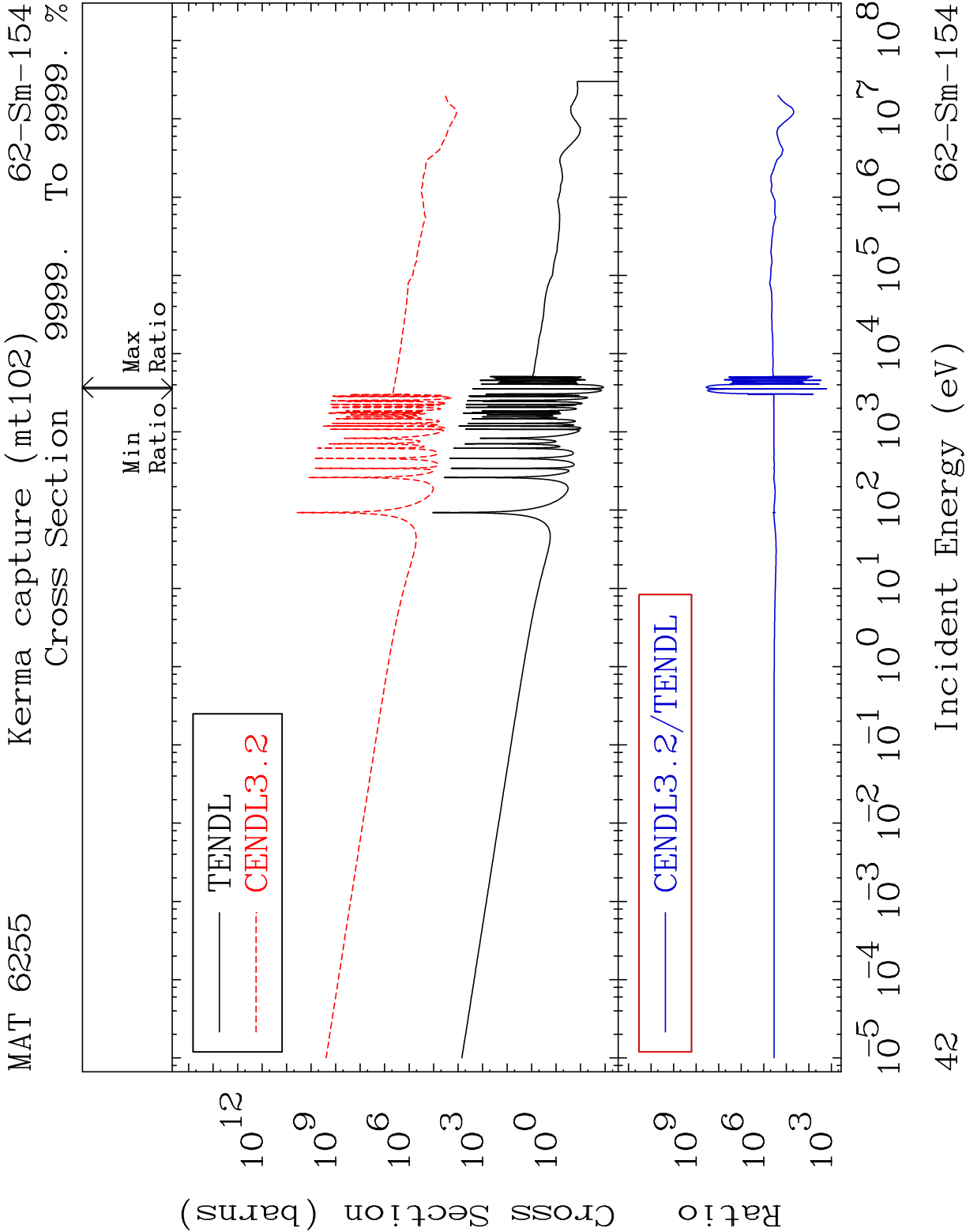
MAT 6255 Kerma inelastic (mt51-91) 62-Sm-154
Cross Section -100.0 To 9999. %

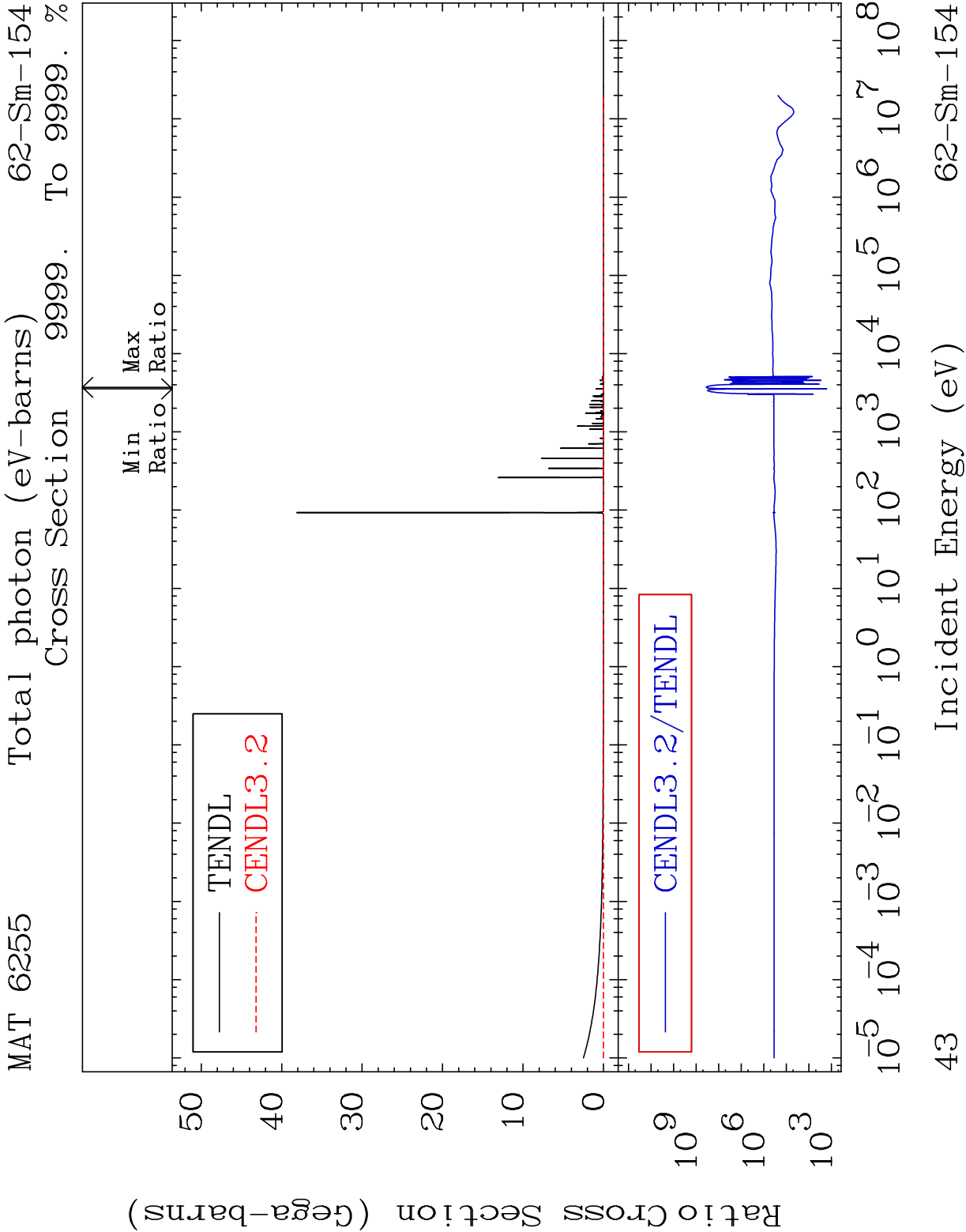


40 Incident Energy (eV) 62-Sm-154

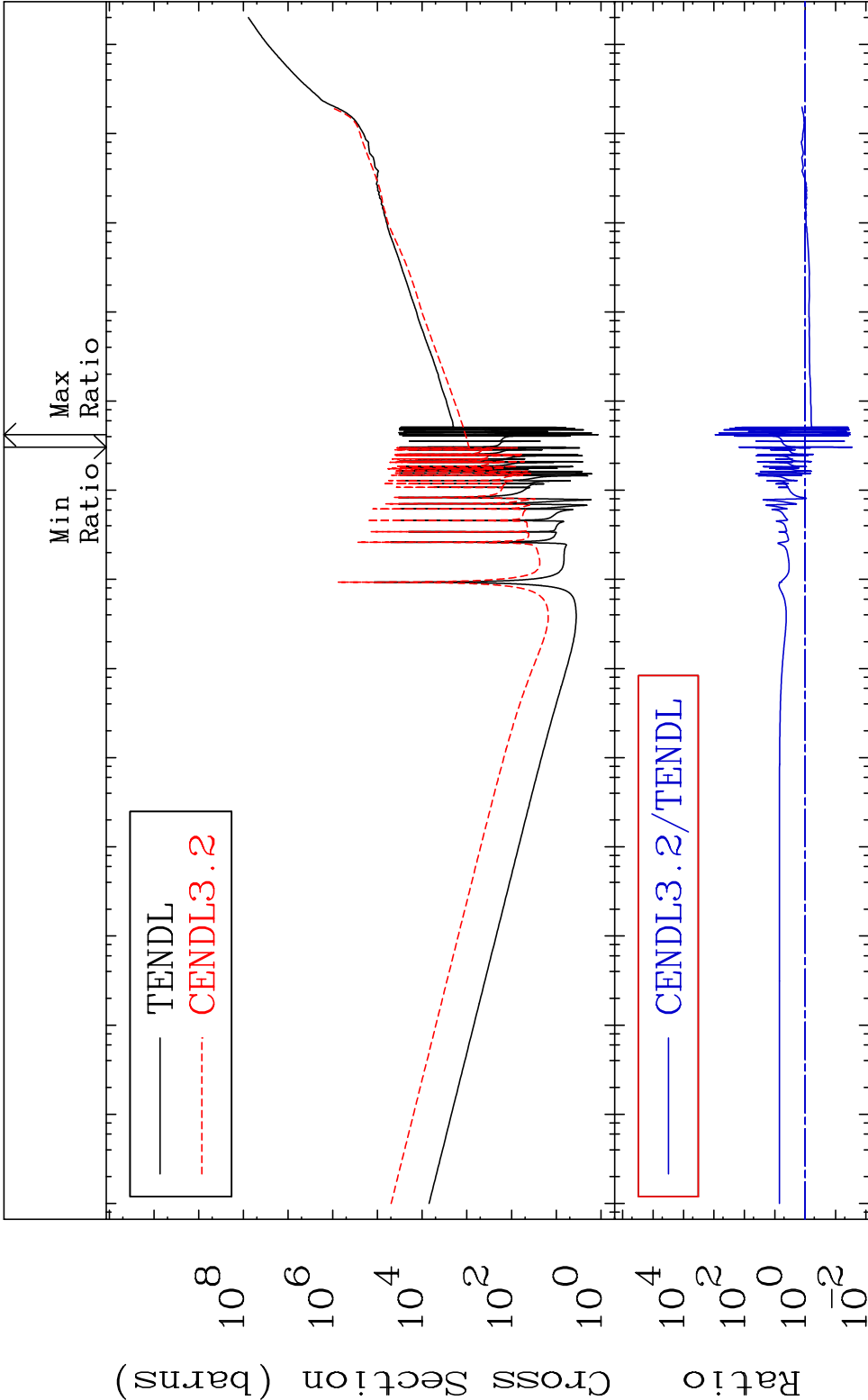
MAT 6255 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-154
Cross Section -100.0 To 9999. %







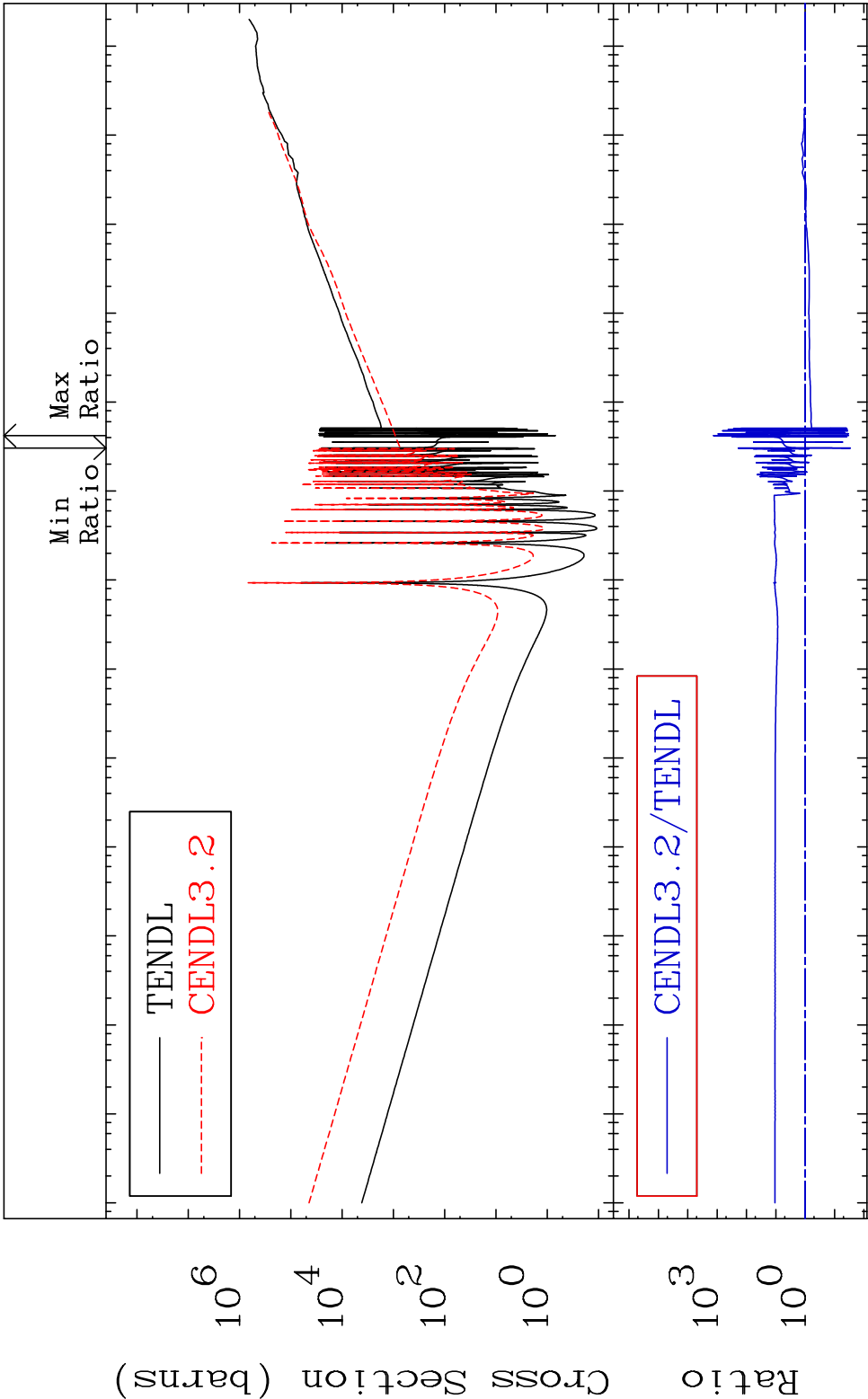
MAT 6255 Total kinematic kerma (high limit) 62-Sm-154
Cross Section -97.15 To 9999. %



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

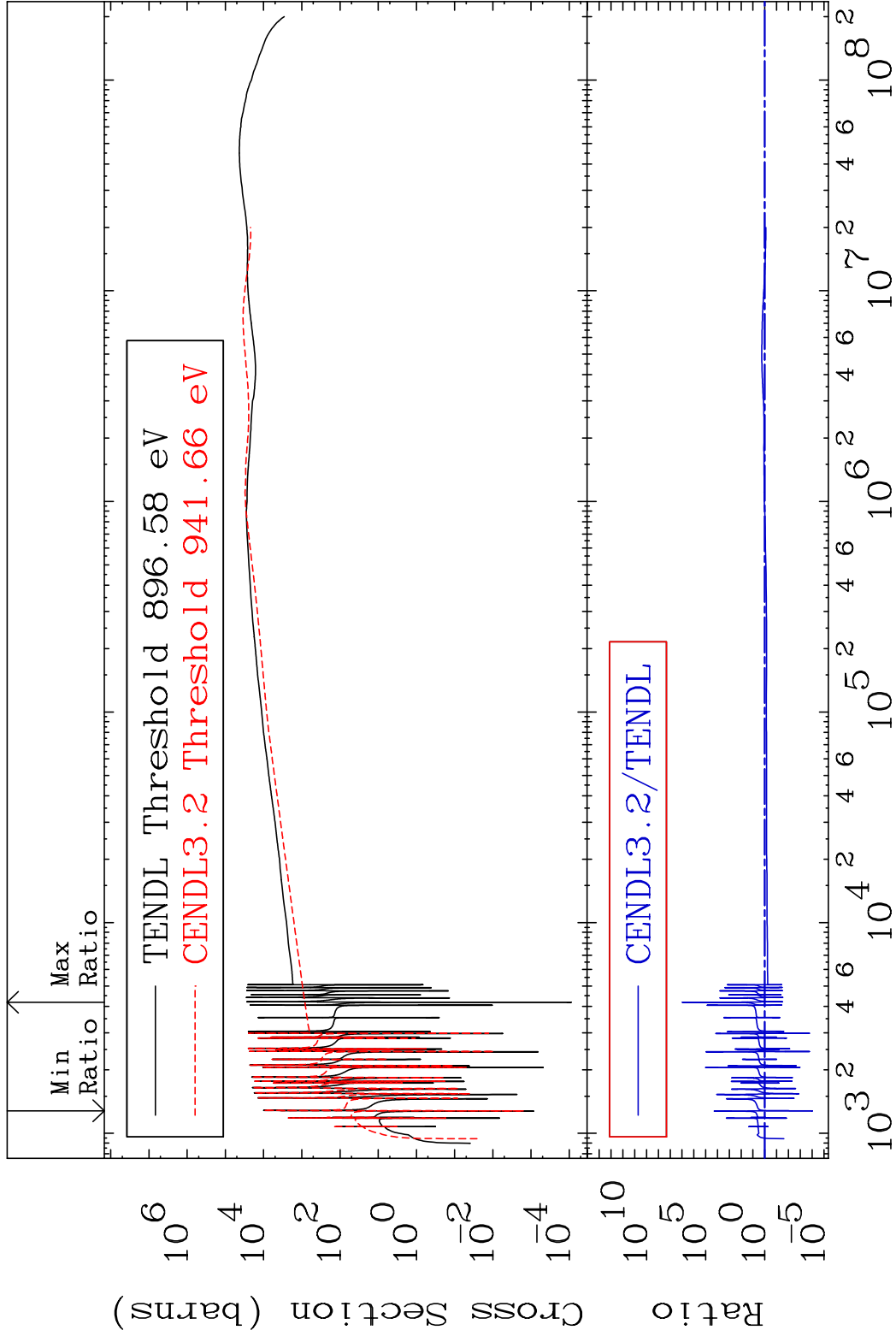
44 Incident Energy (eV) 62-Sm-154

MAT 6255 Dpa total (eV-barns) 62-Sm-154
Cross Section -97.10 To 9999. %



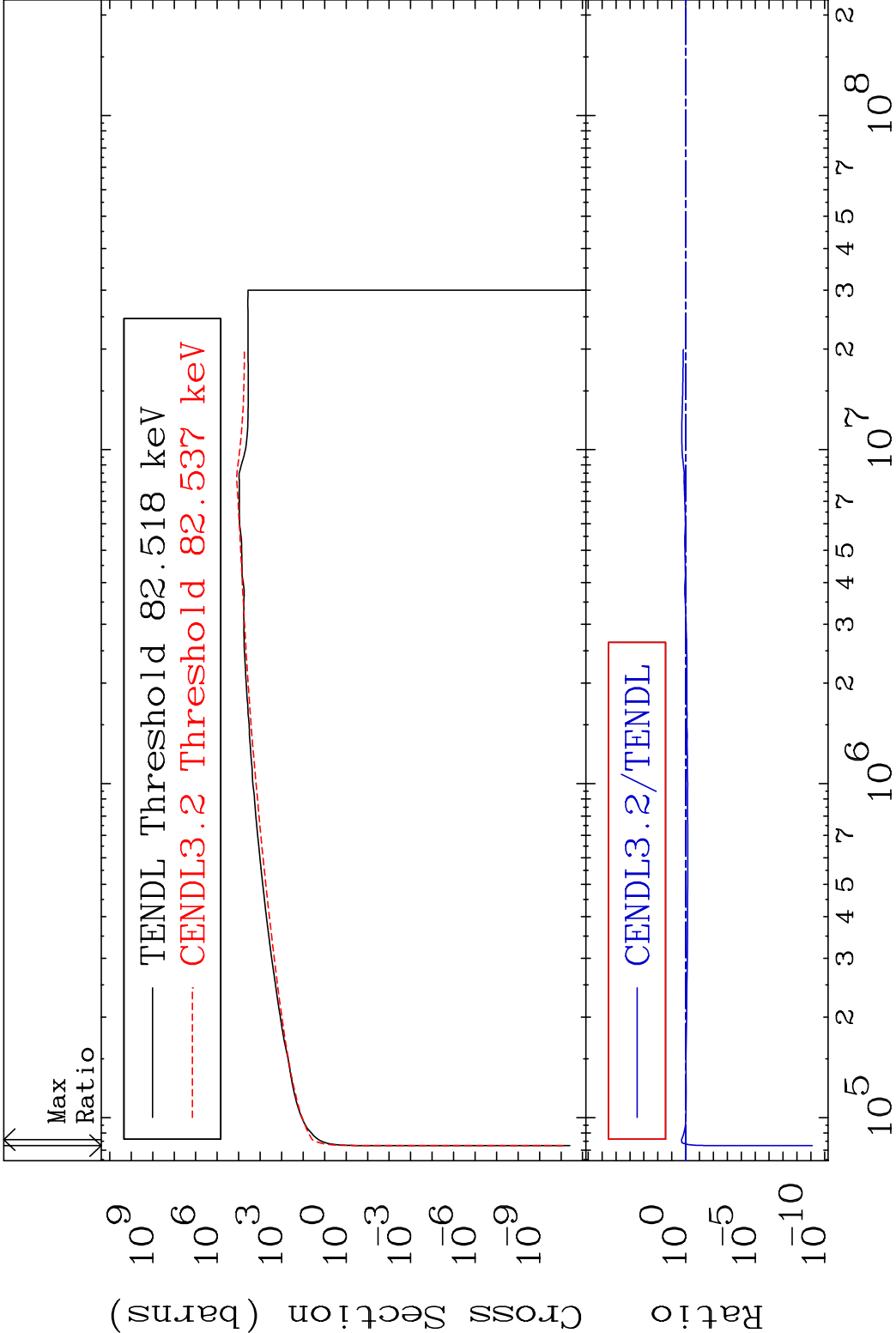
45 Incident Energy (eV) 62-Sm-154

MAT 6255 Dpa elastic (mt2) 62-Sm-154
Cross Section -99.99 To 9999. %



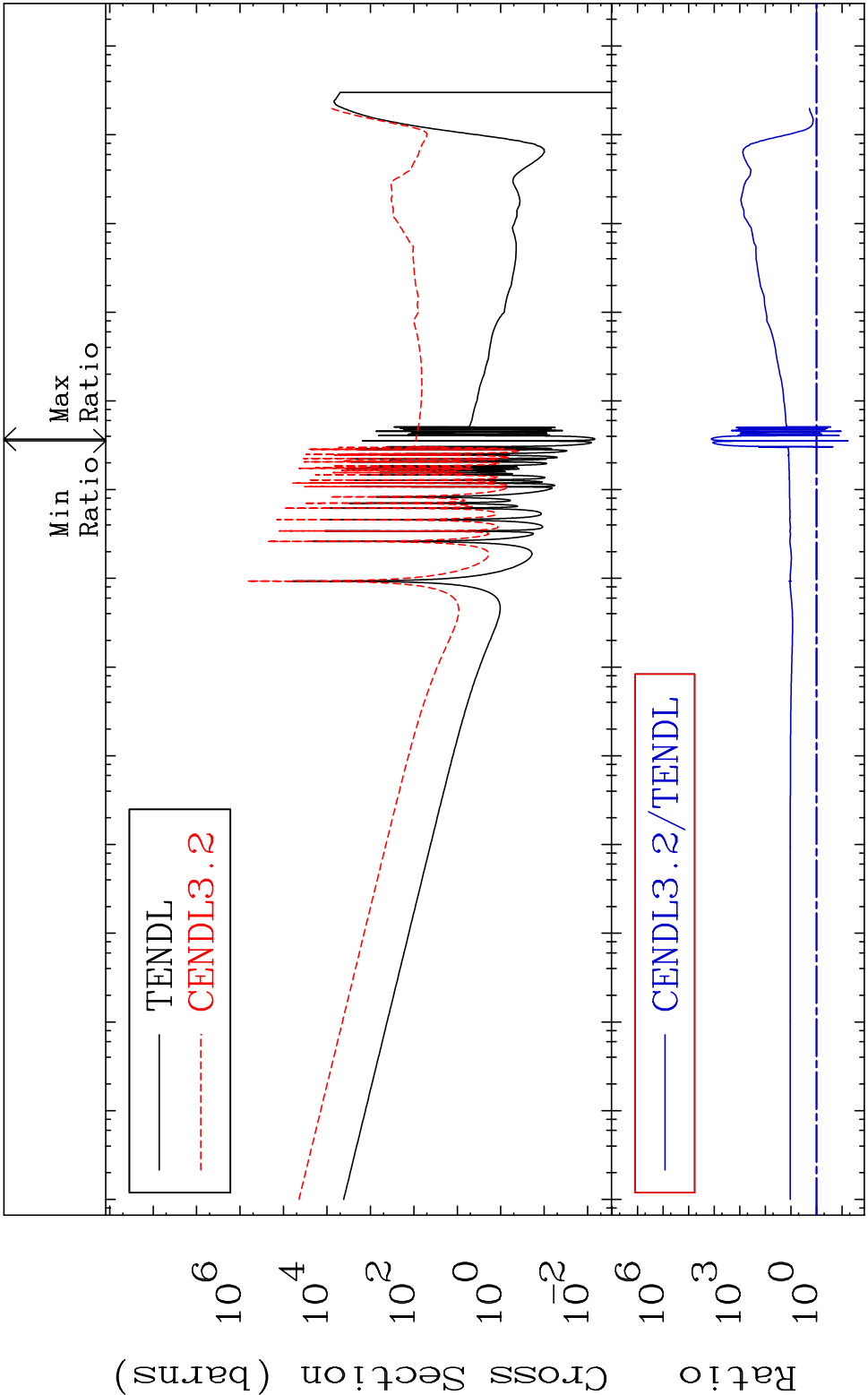
46 Incident Energy (eV) 62-Sm-154

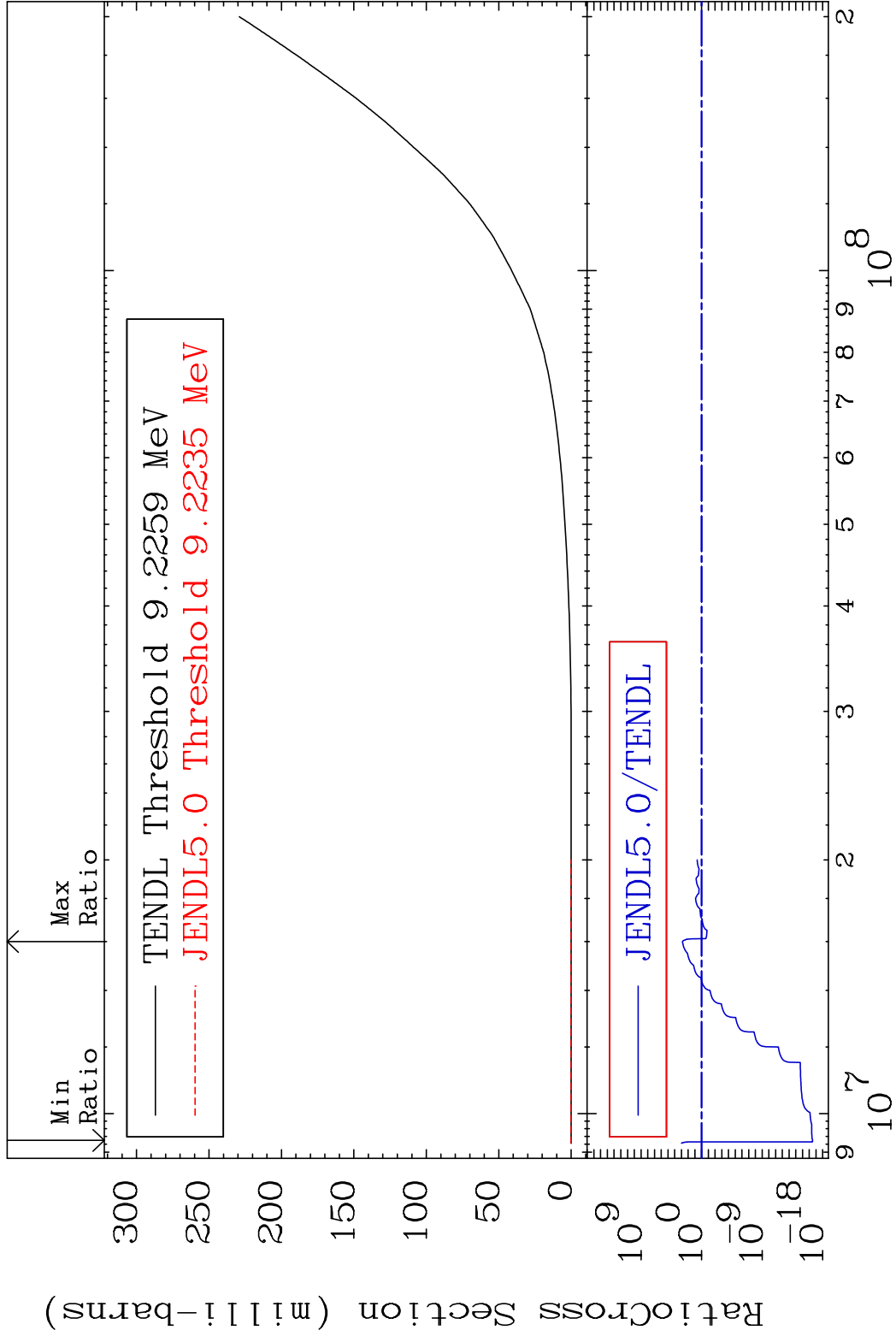
MAT 6255 Dpa inelastic (mt51-91) 62-Sm-154
Cross Section -100.0 To 96.24 %



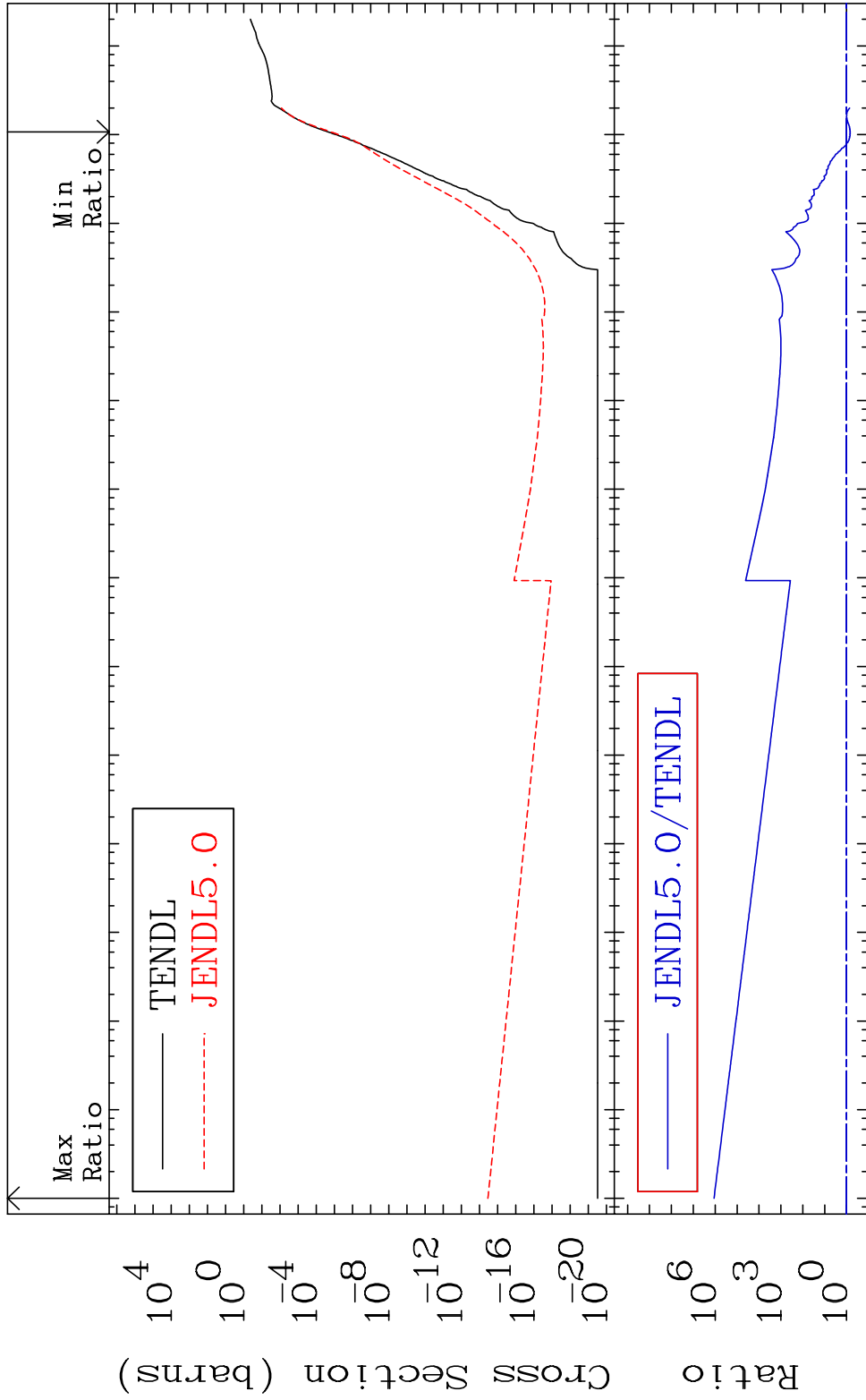
47 Incident Energy (eV) 62-Sm-154

MAT 6255 Dpa disappearance (mt102 -120) 62-Sm-154
Cross Section -93.97 To 9999. %



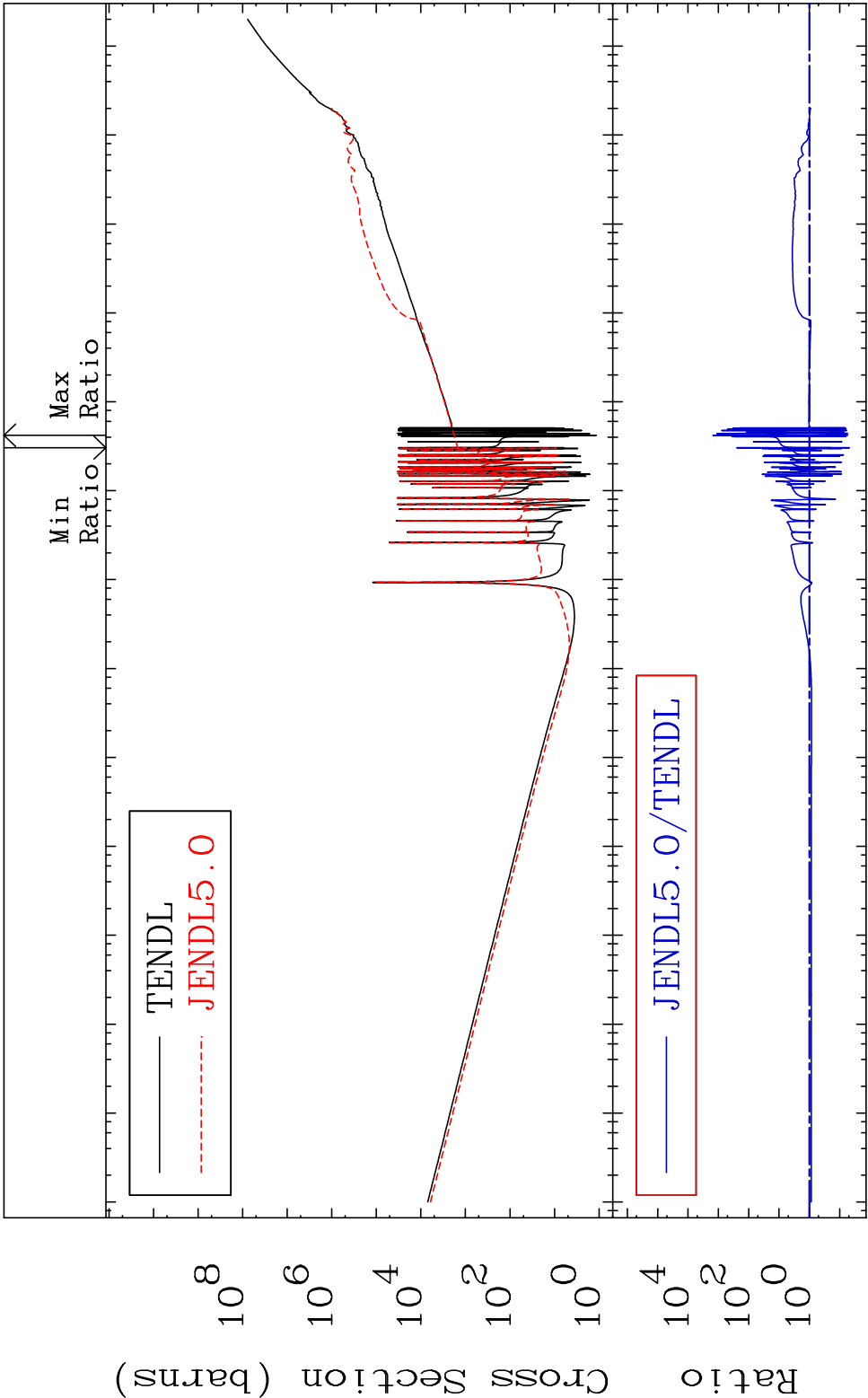


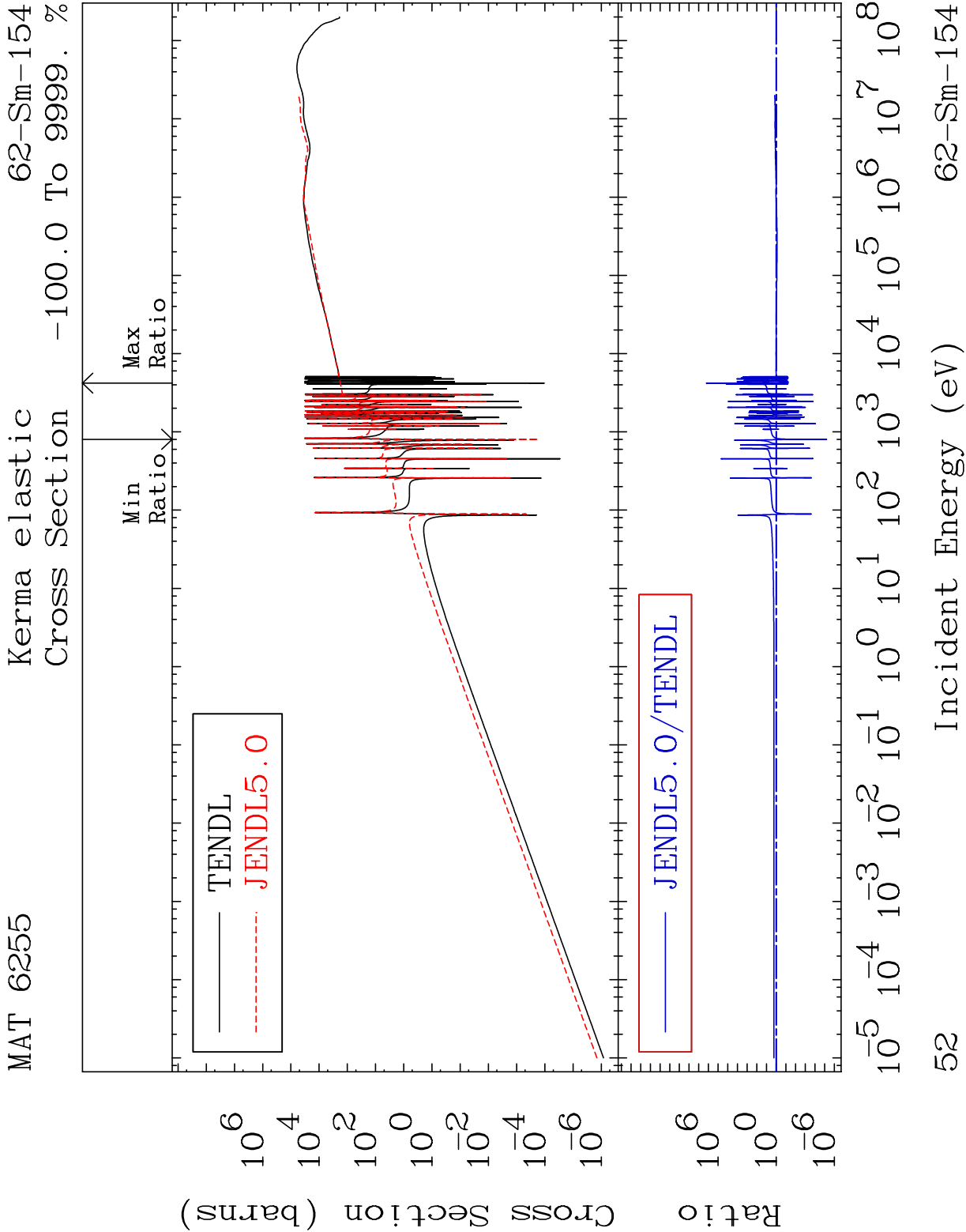
MAT 6255 He-4 Production 62-Sm-154
Cross Section -31.85 To 9999. %



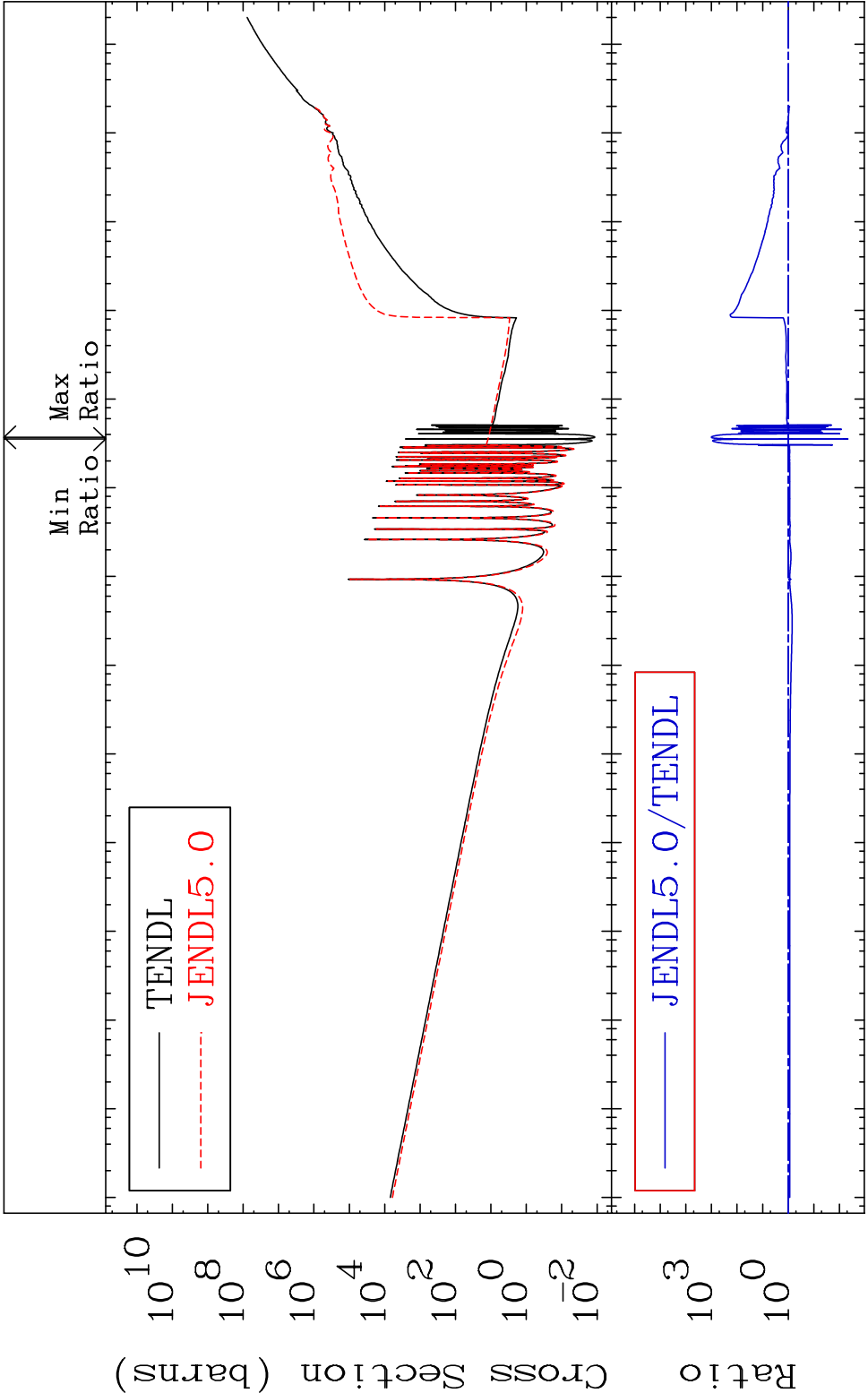
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

50 Incident Energy (eV) 62-Sm-154

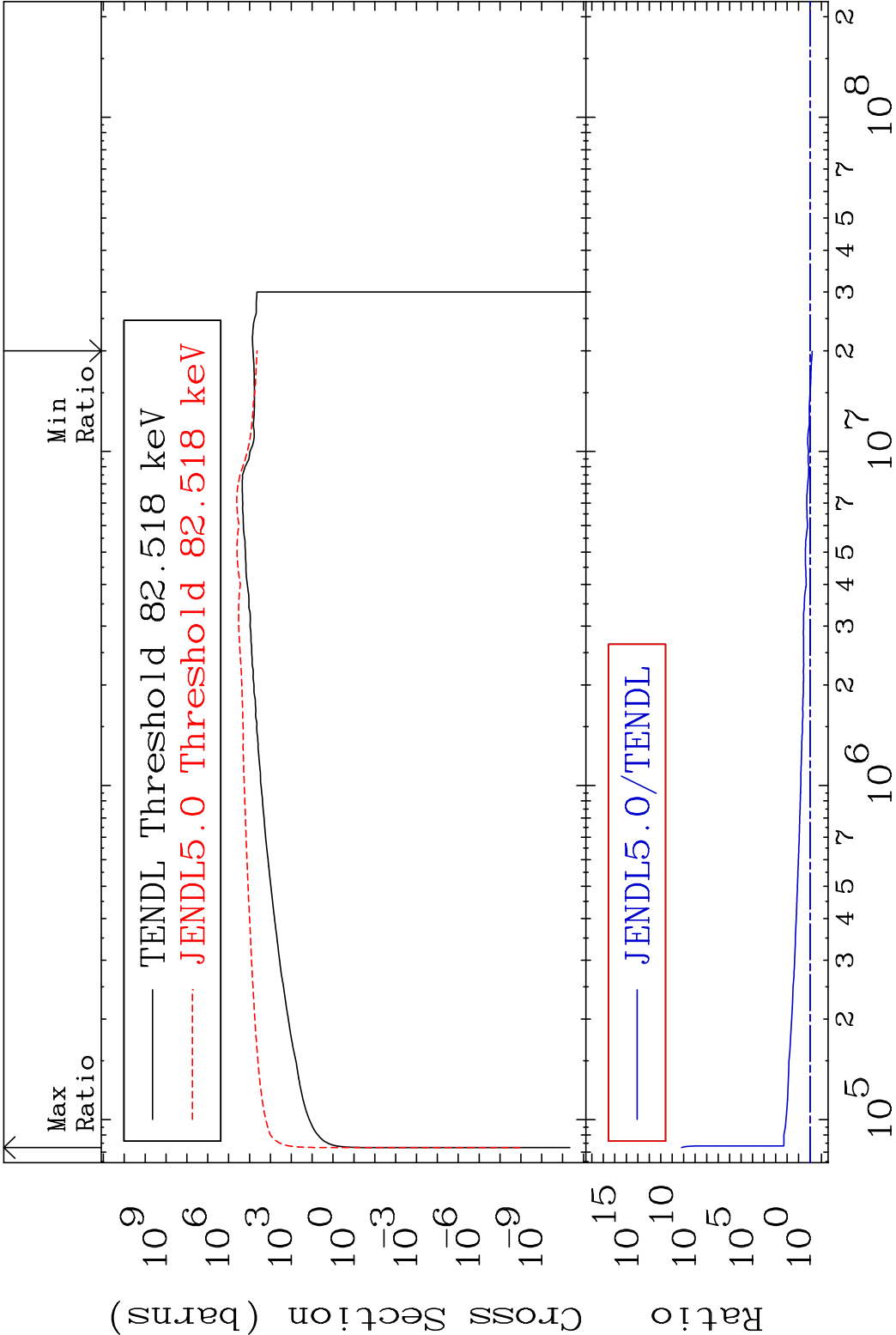




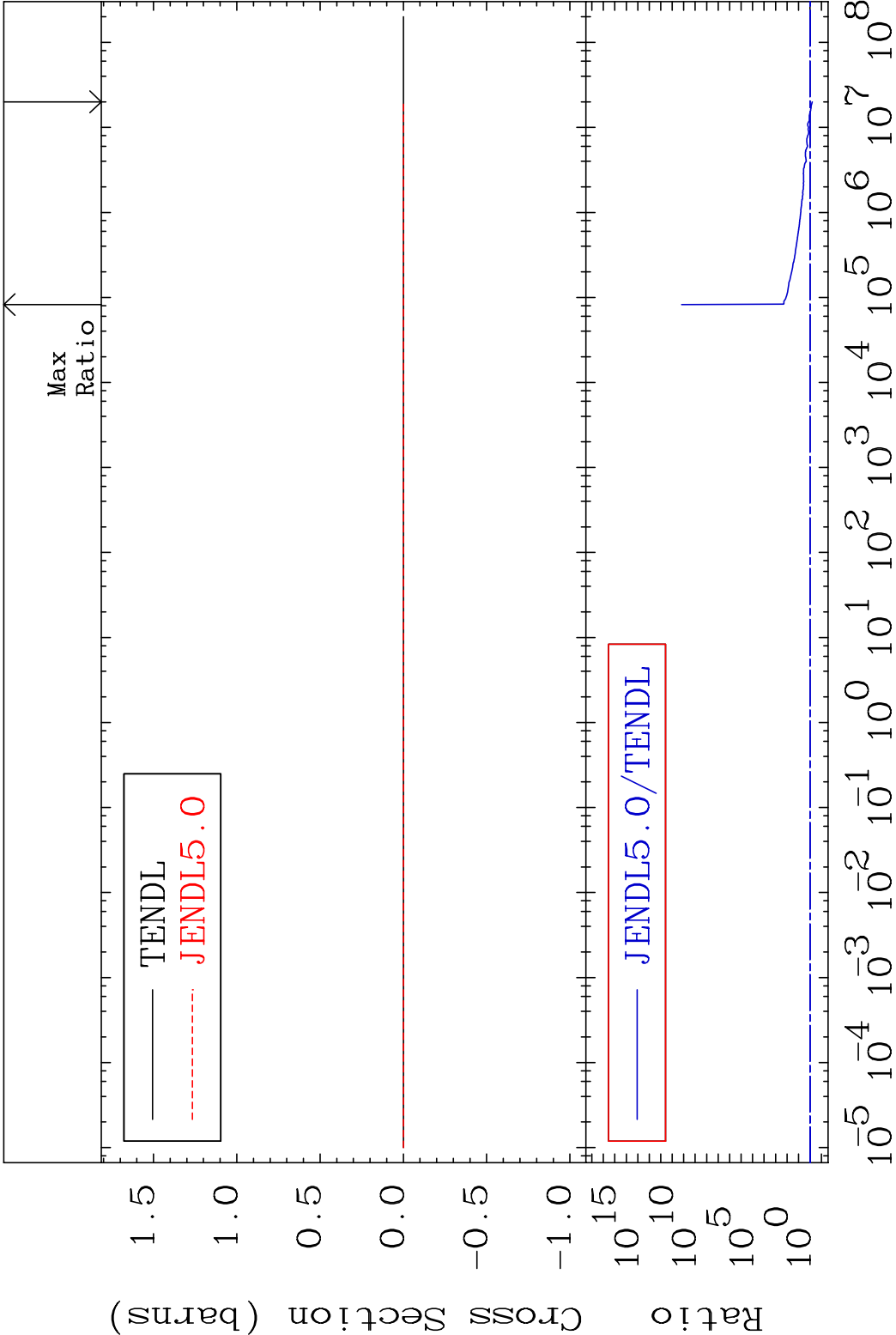
MAT 6255 Kerma non-elastic (all but mt2) 62-Sm-154
Cross Section -99.53 To 9999. %

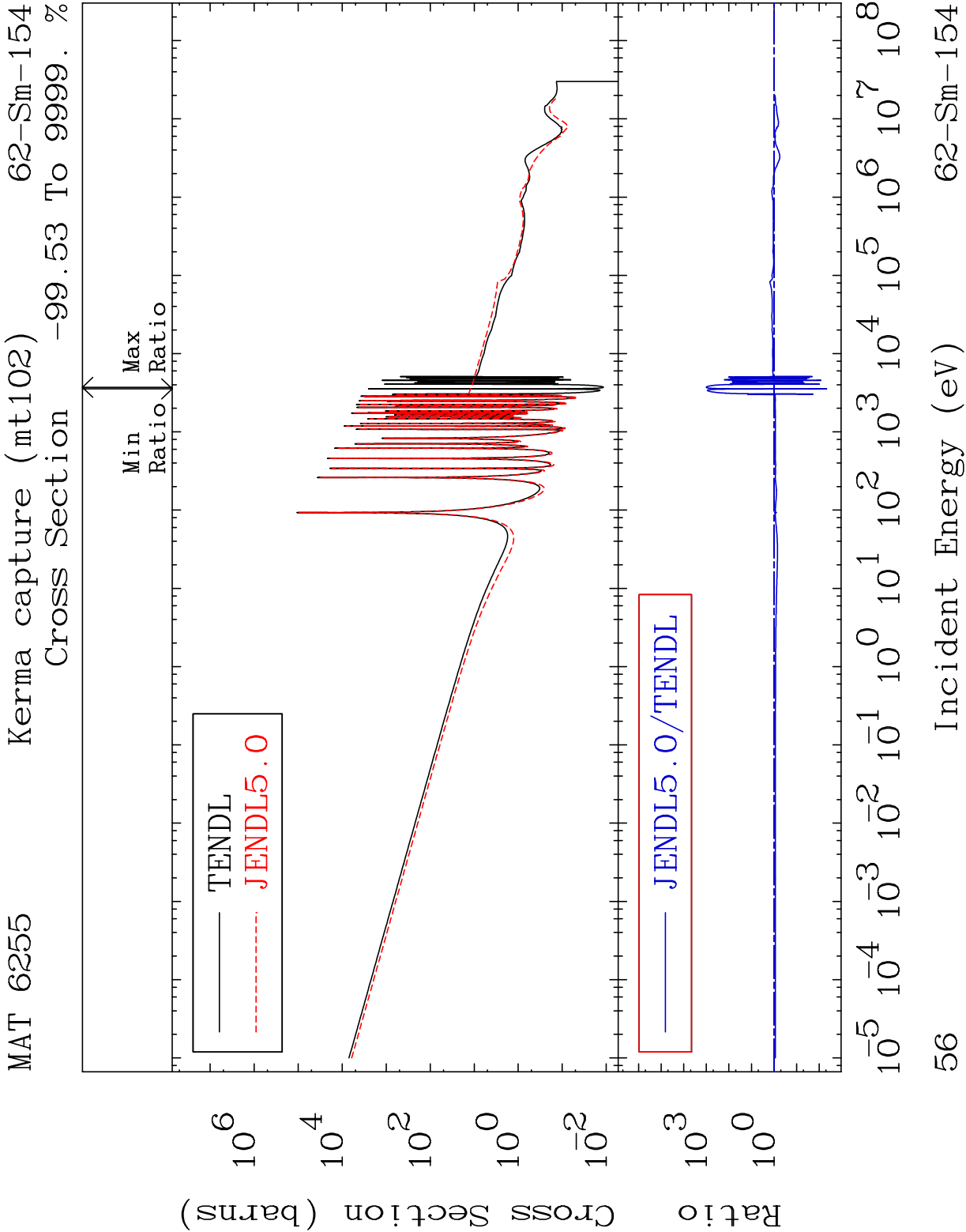


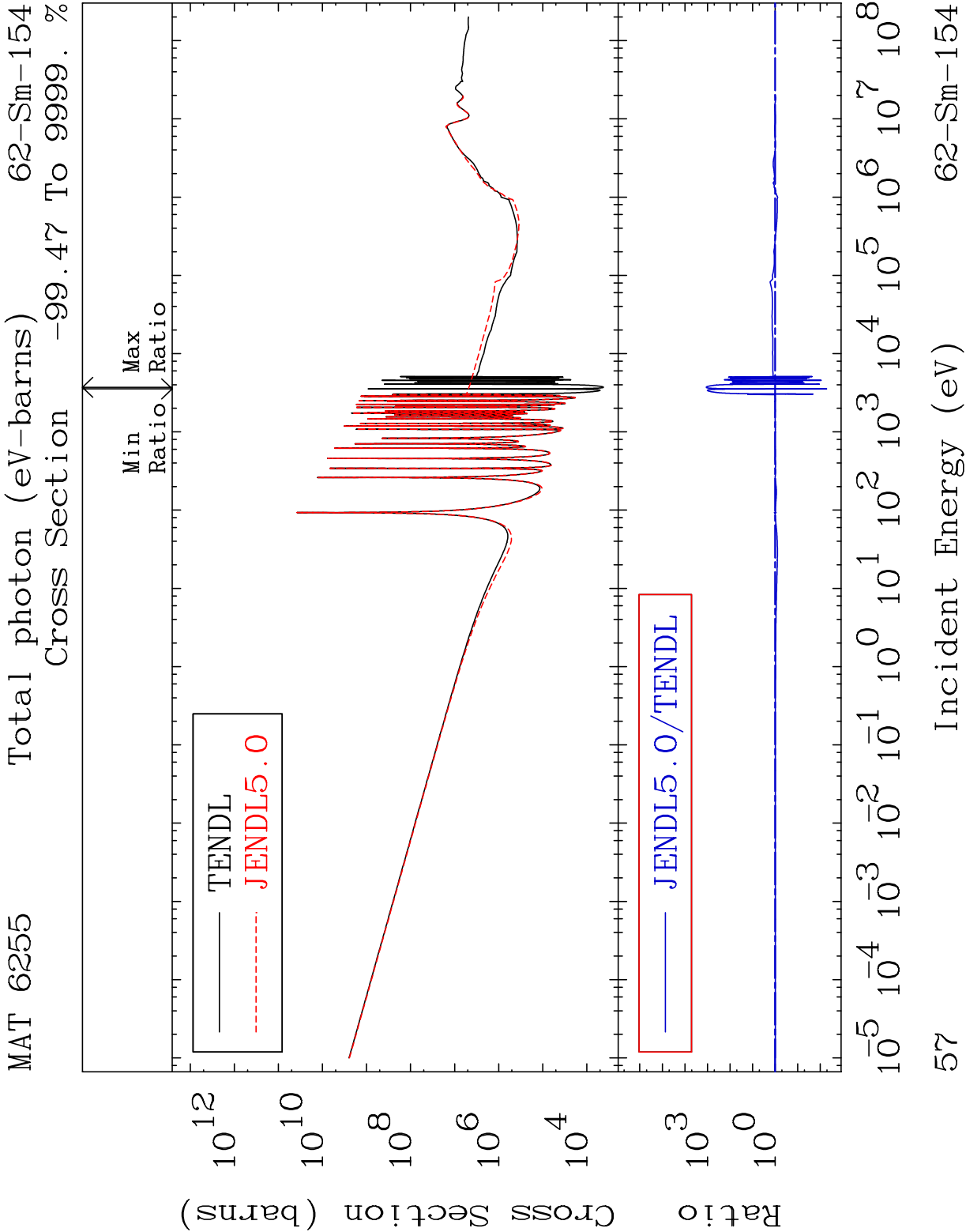
53 Incident Energy (eV) 62-Sm-154



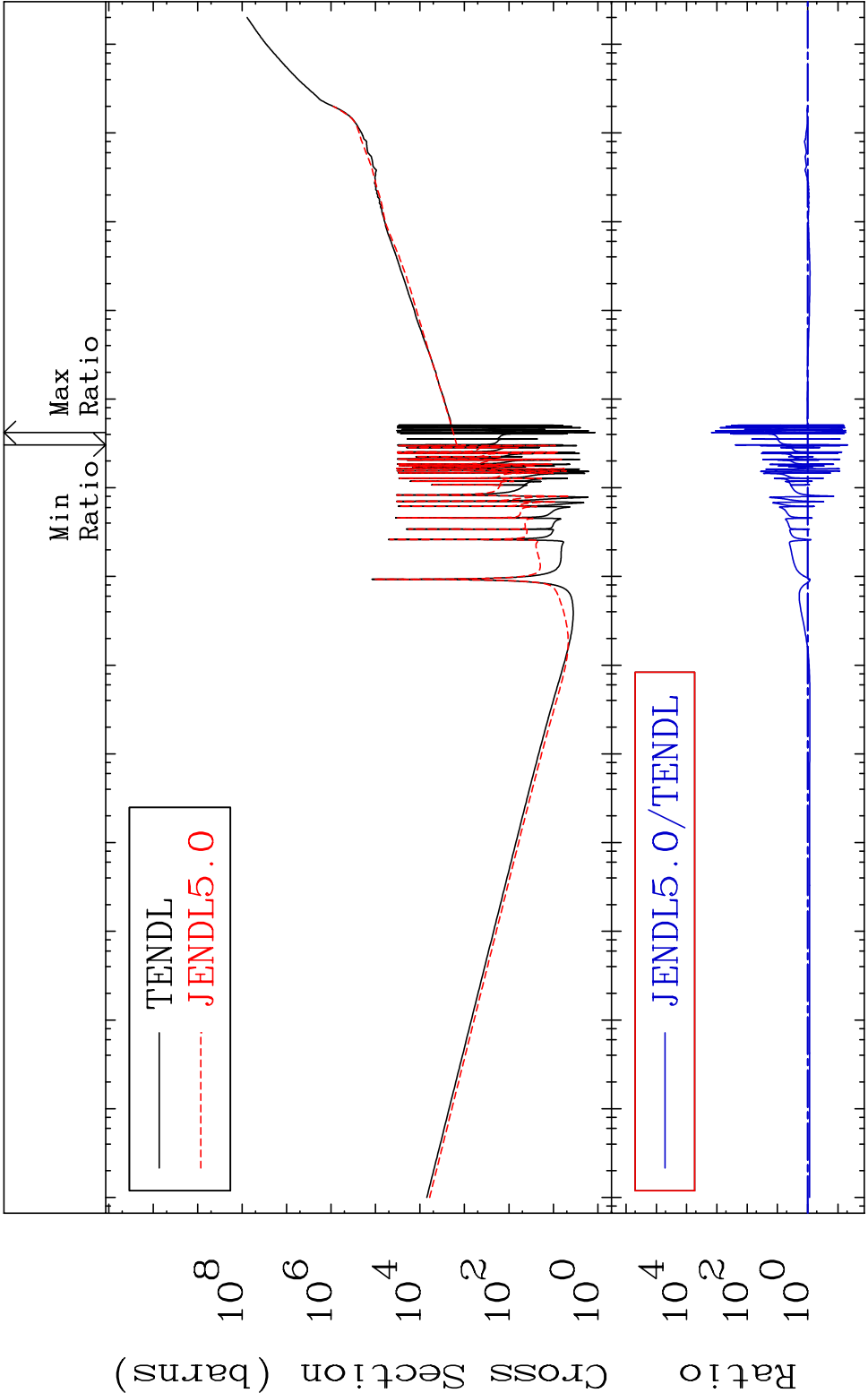
MAT 6255 Kerma fission (mt18 or mt19-20-21-38)62-Sm-154
Cross Section -36.31 To 9999. %







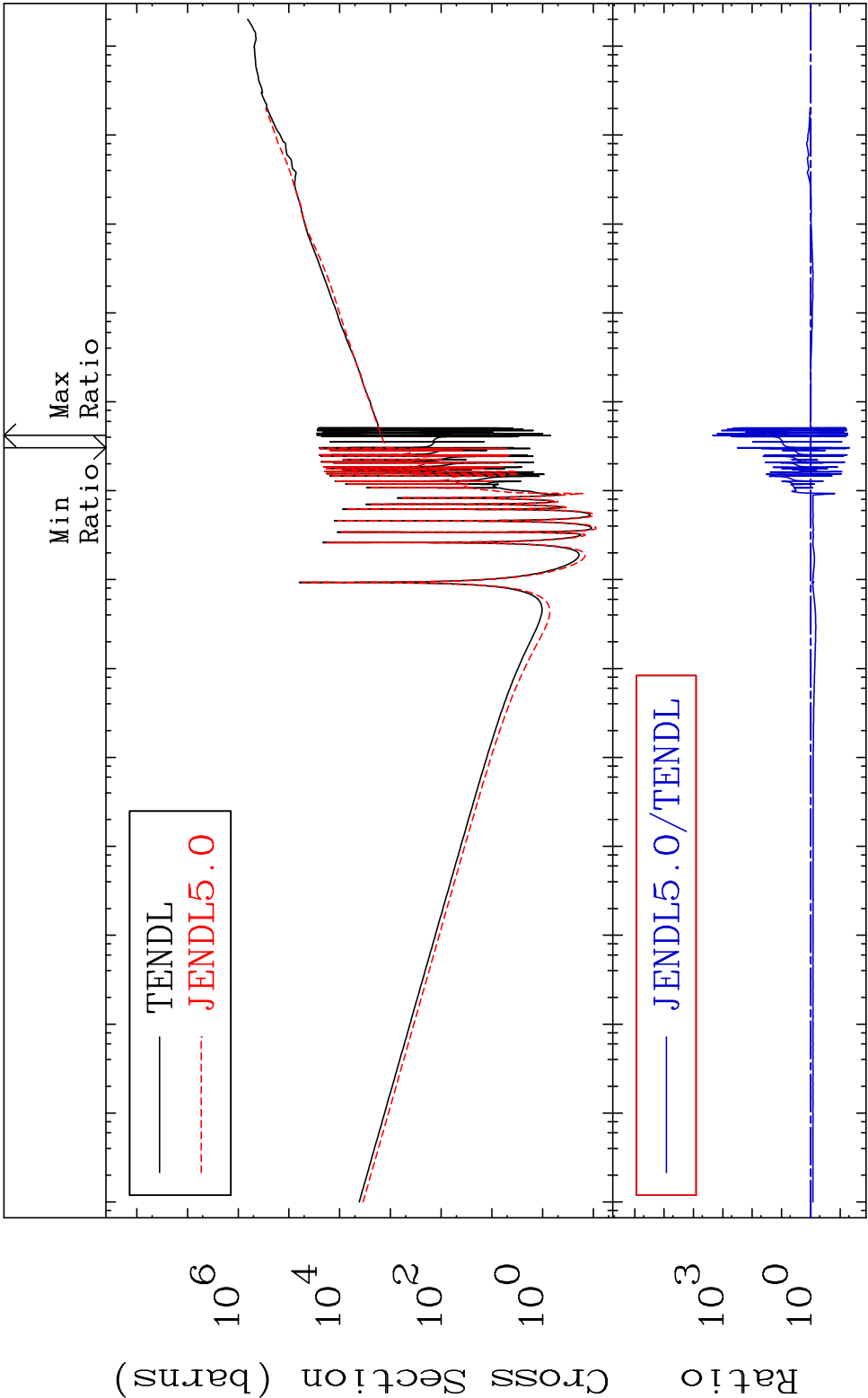
MAT 6255 Total kinematic kerma (high limit) 62-Sm-154
Cross Section -95.25 To 9999. %



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

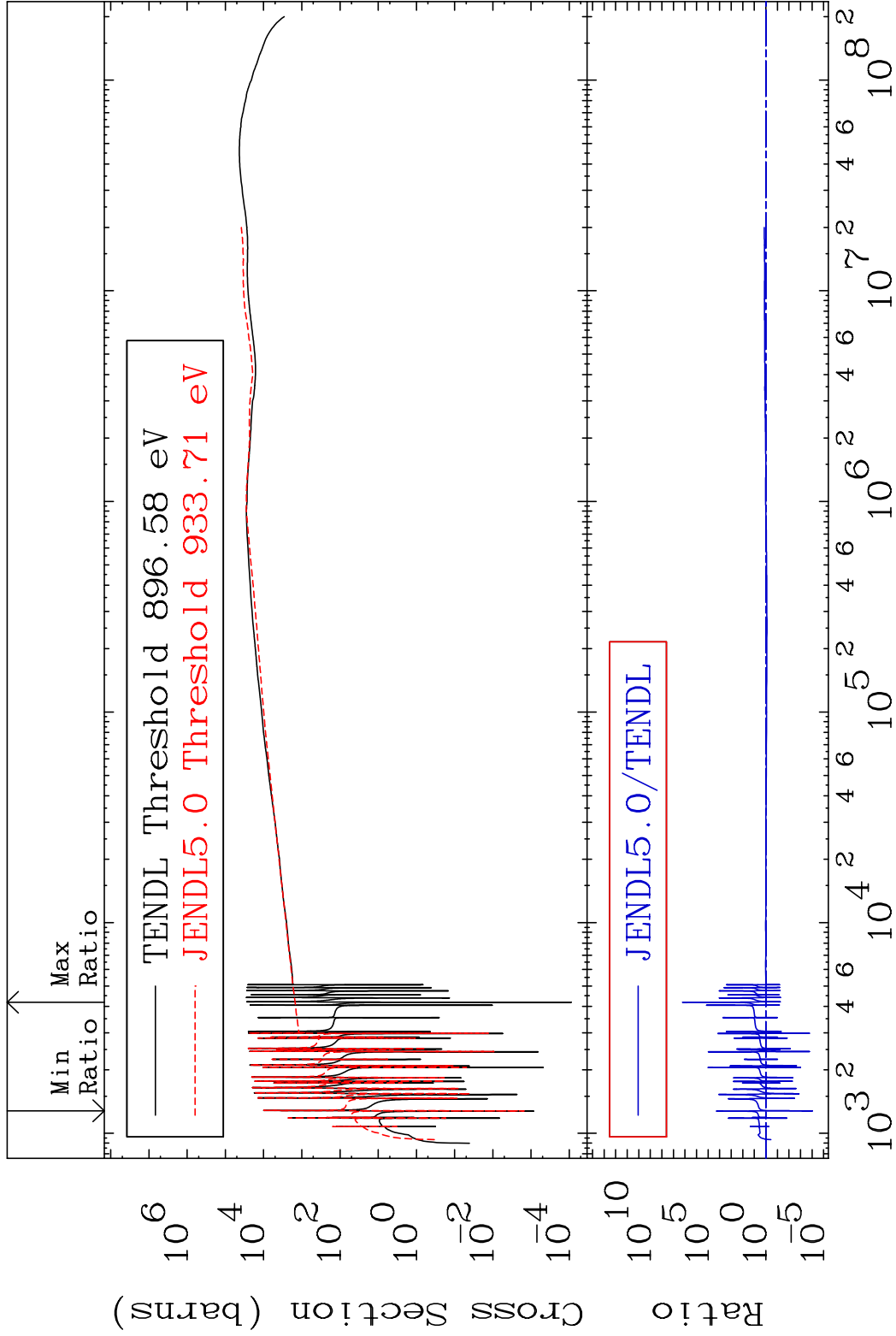
58 Incident Energy (eV) 62-Sm-154

MAT 6255 Dpa total (eV-barns) 62-Sm-154
Cross Section -95.22 To 9999. %

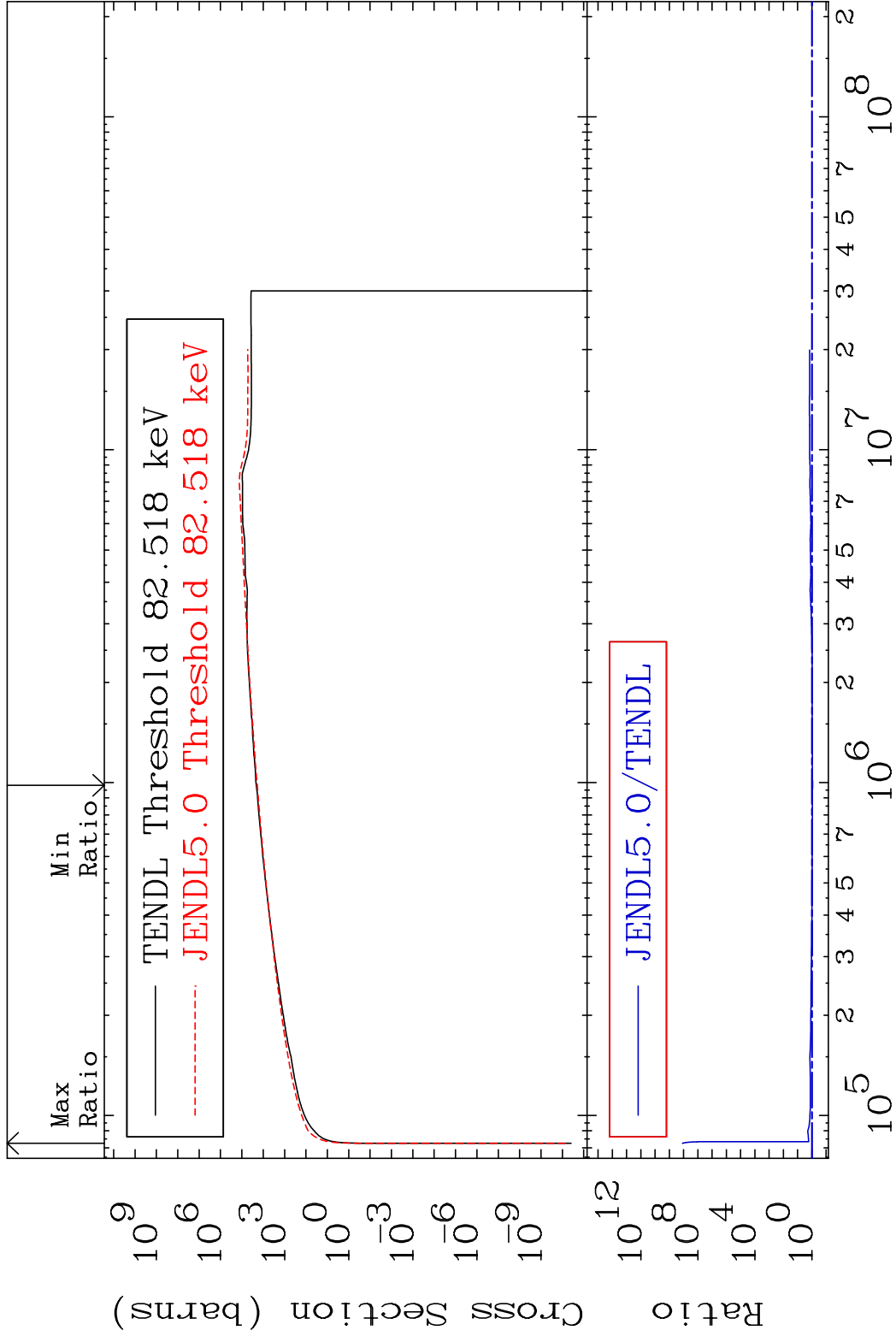


59 Incident Energy (eV) 62-Sm-154

MAT 6255 Dpa elastic (mt2) 62-Sm-154
Cross Section -99.99 To 9999. %

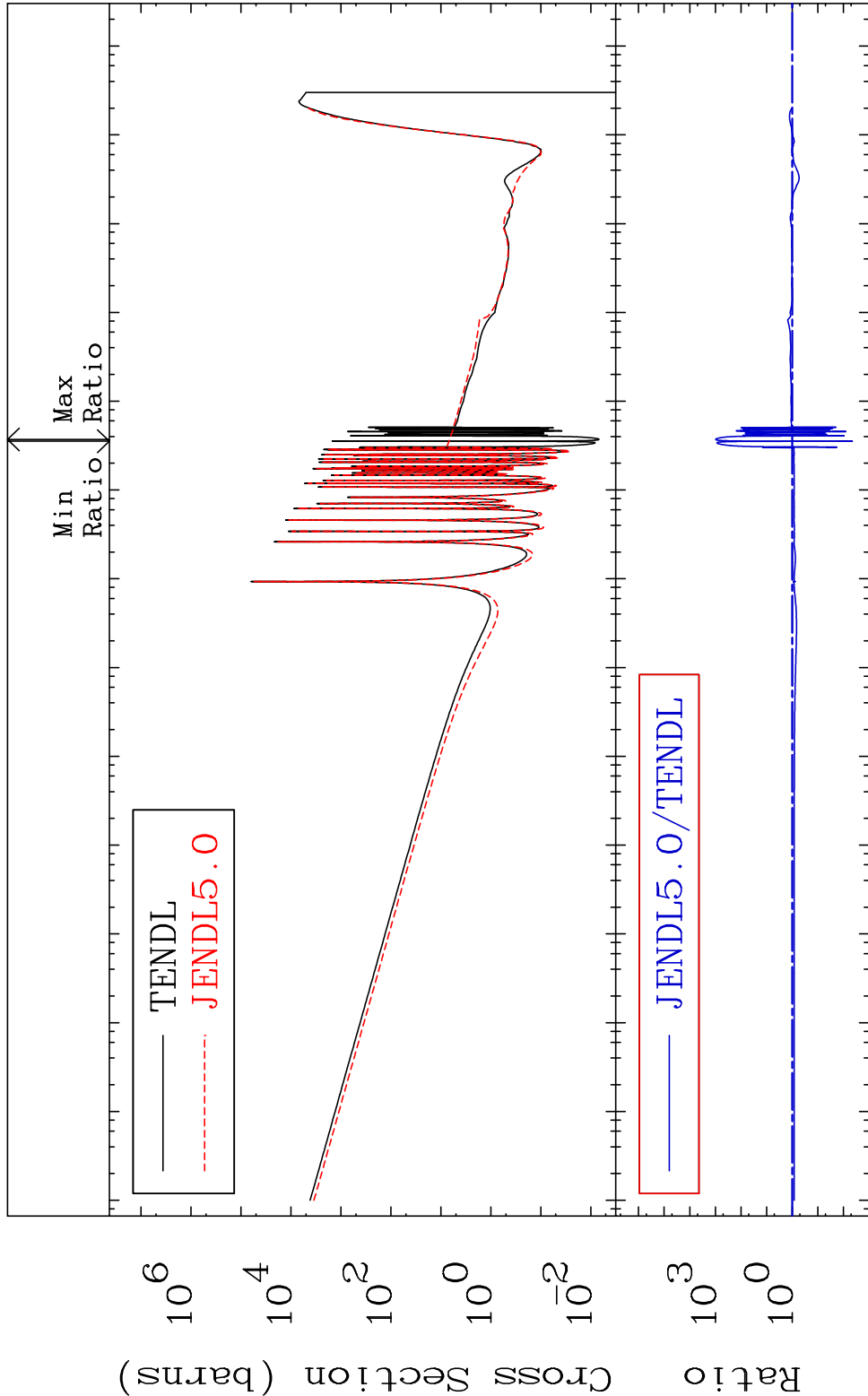


60 Incident Energy (eV) 62-Sm-154



MAT 6255 Dpa disappearance (mt102 -120) 62-Sm-154

Cross Section -99.55 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) 62-Sm-154