

Program Complot
(Version 2021-1)

by

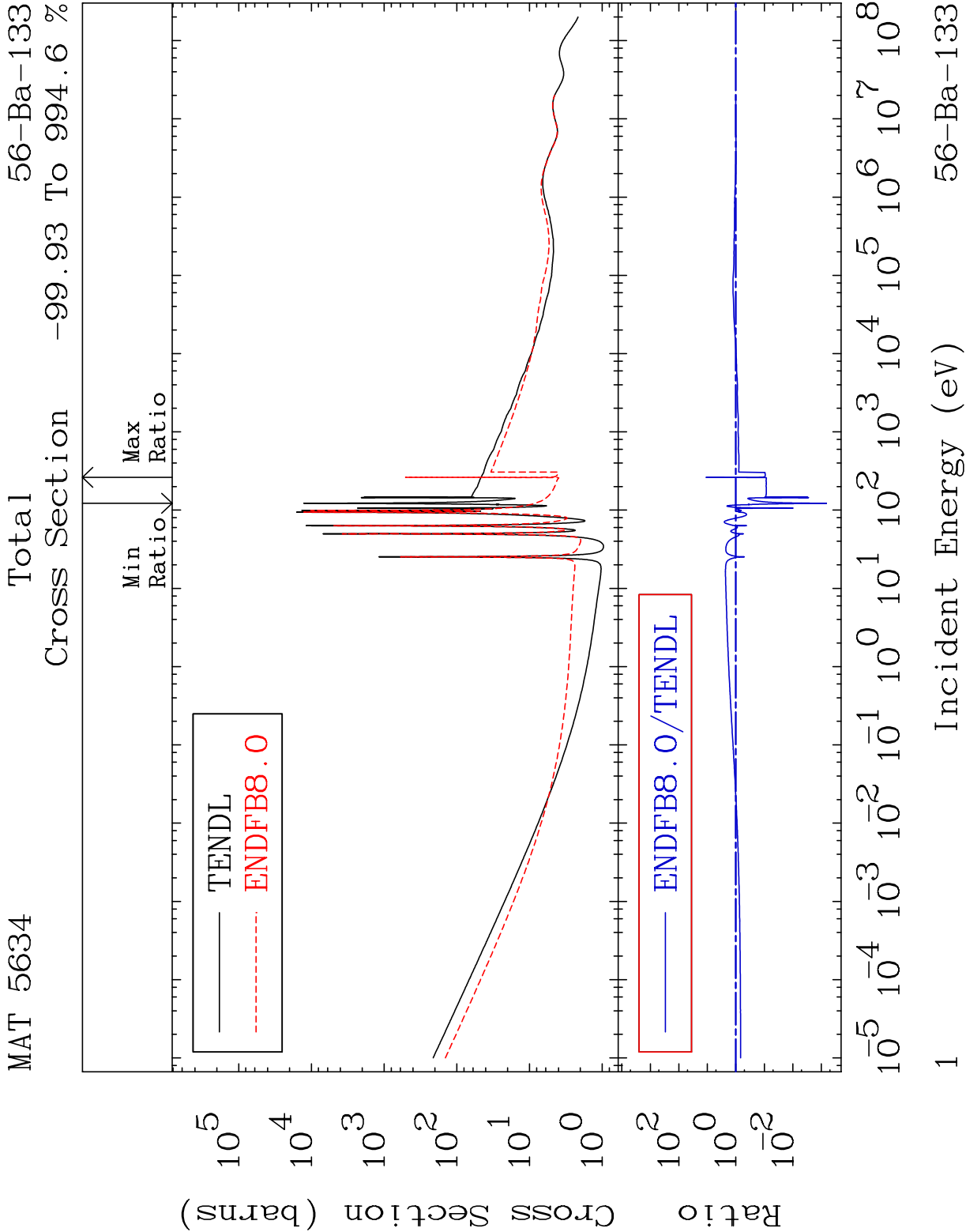
Dermott E. Cullen
(Present Contact Information)

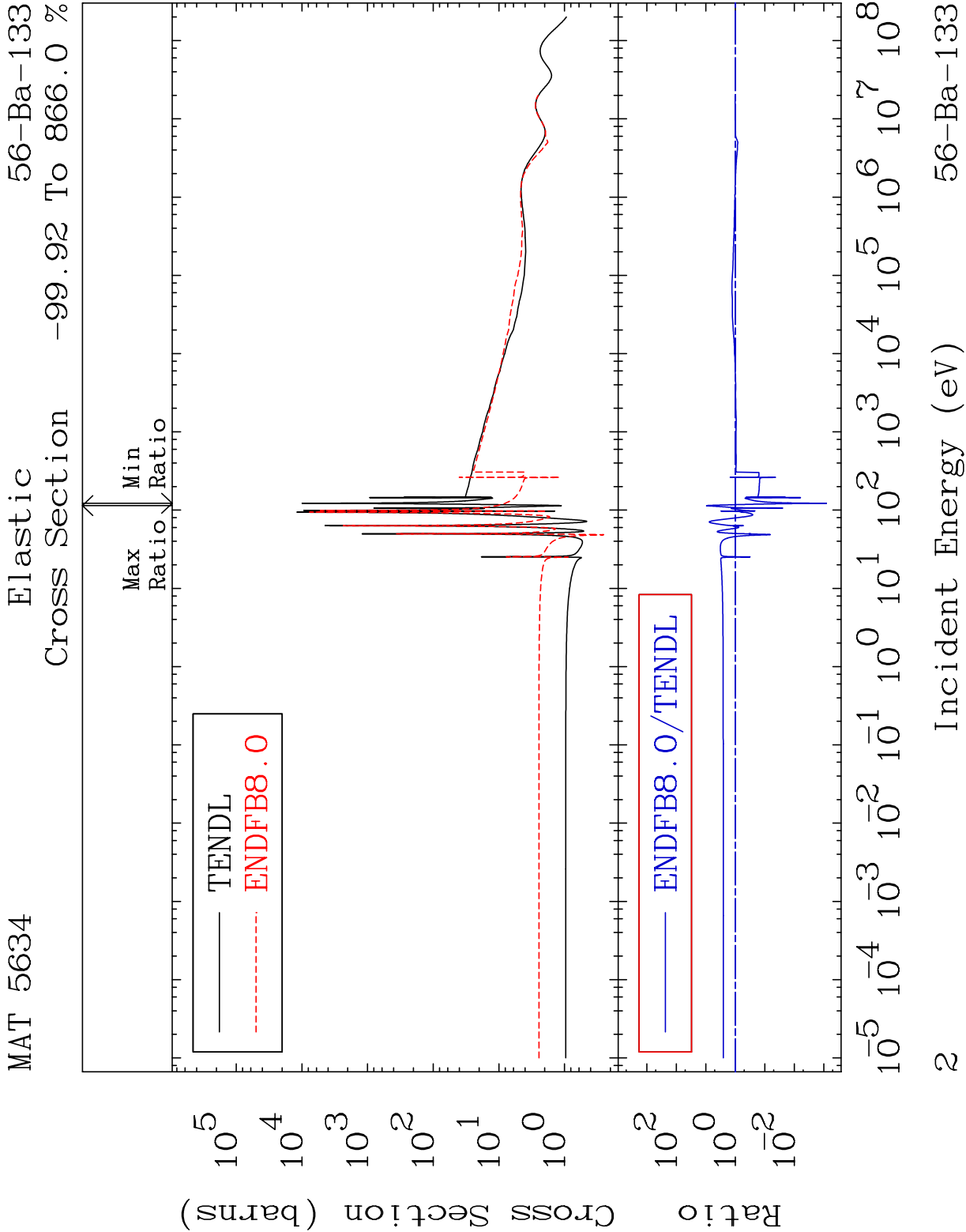
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
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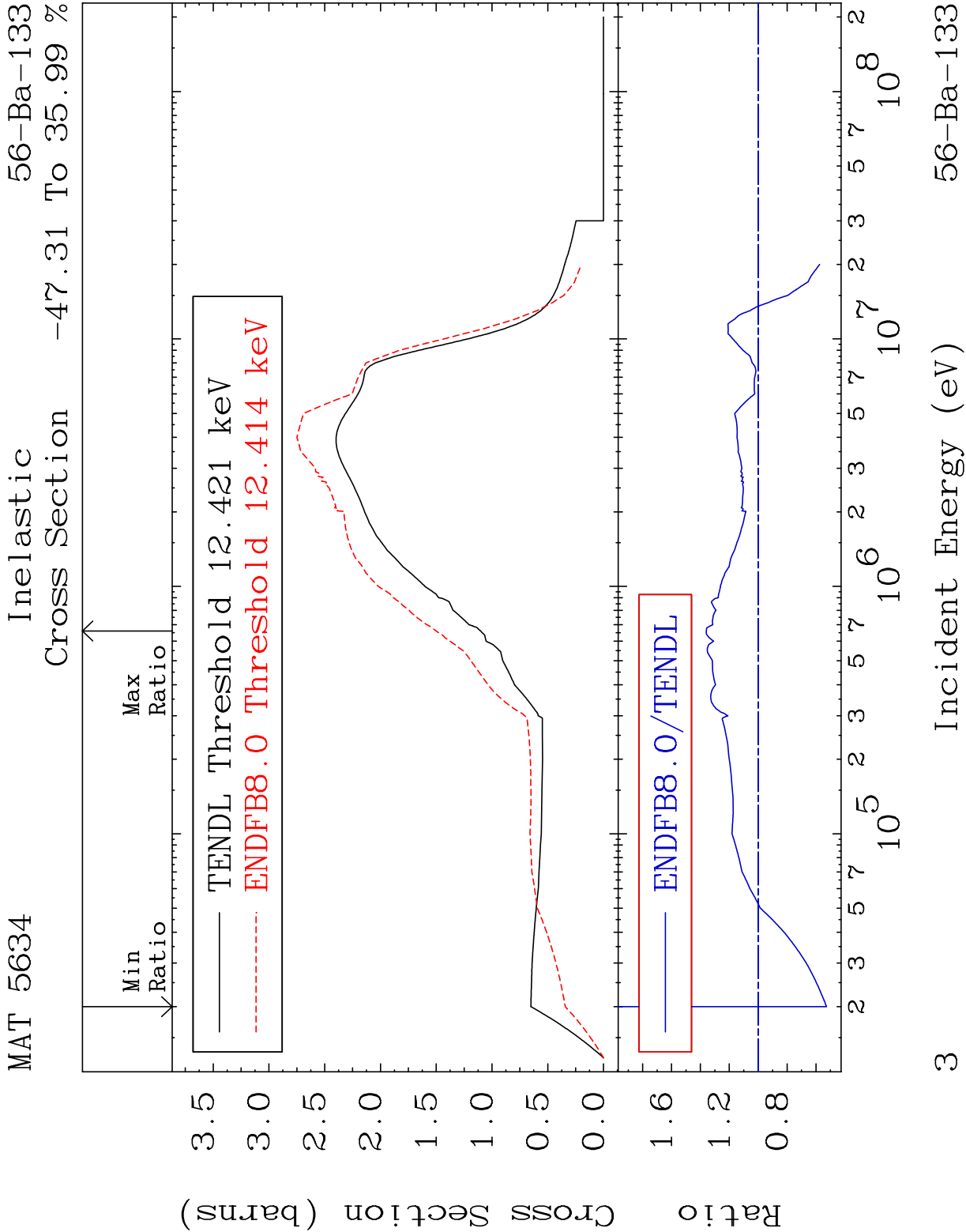
Tele: 925-443-1911

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

Press Mouse Button to Start







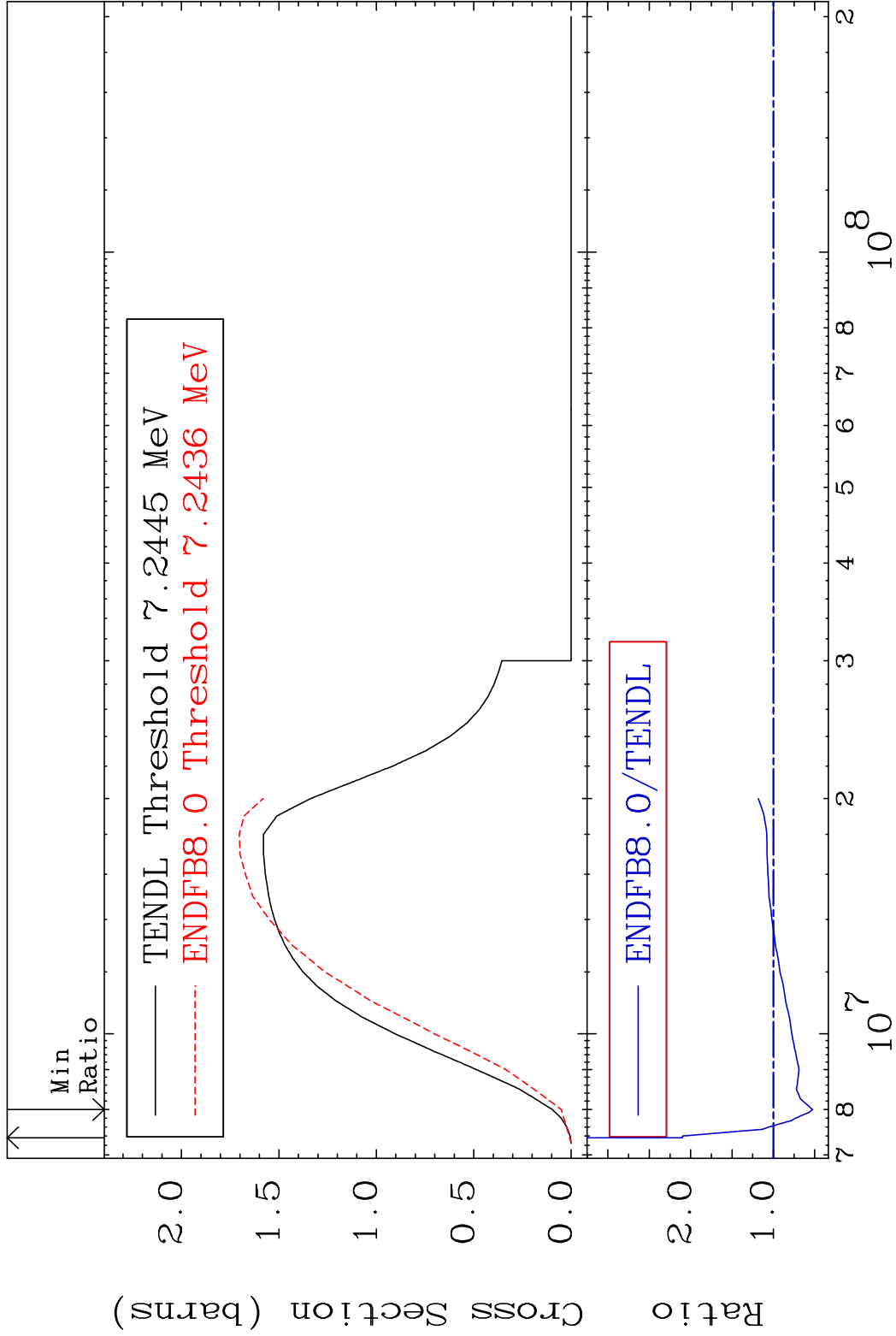
MAT 5634

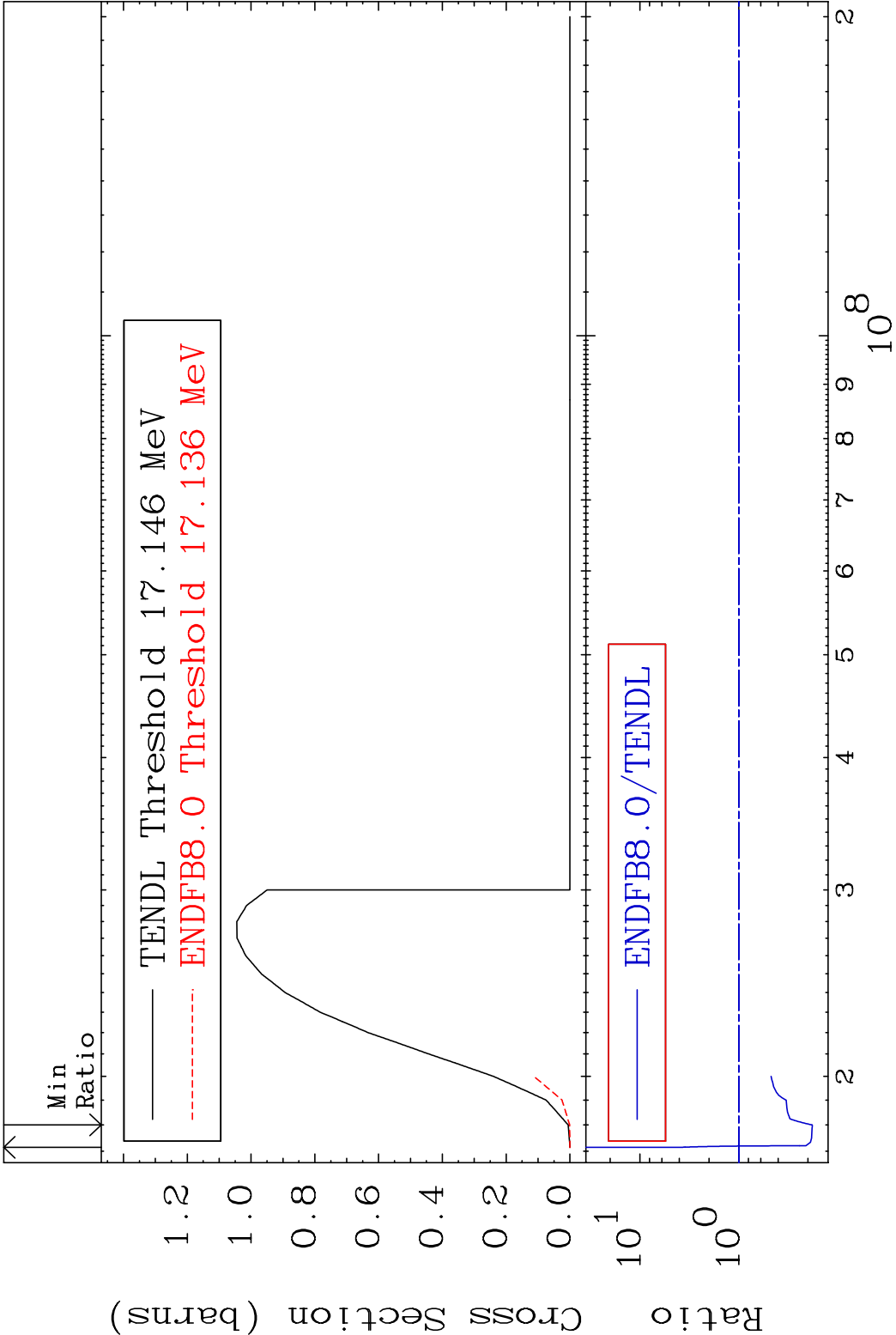
(n,2n)

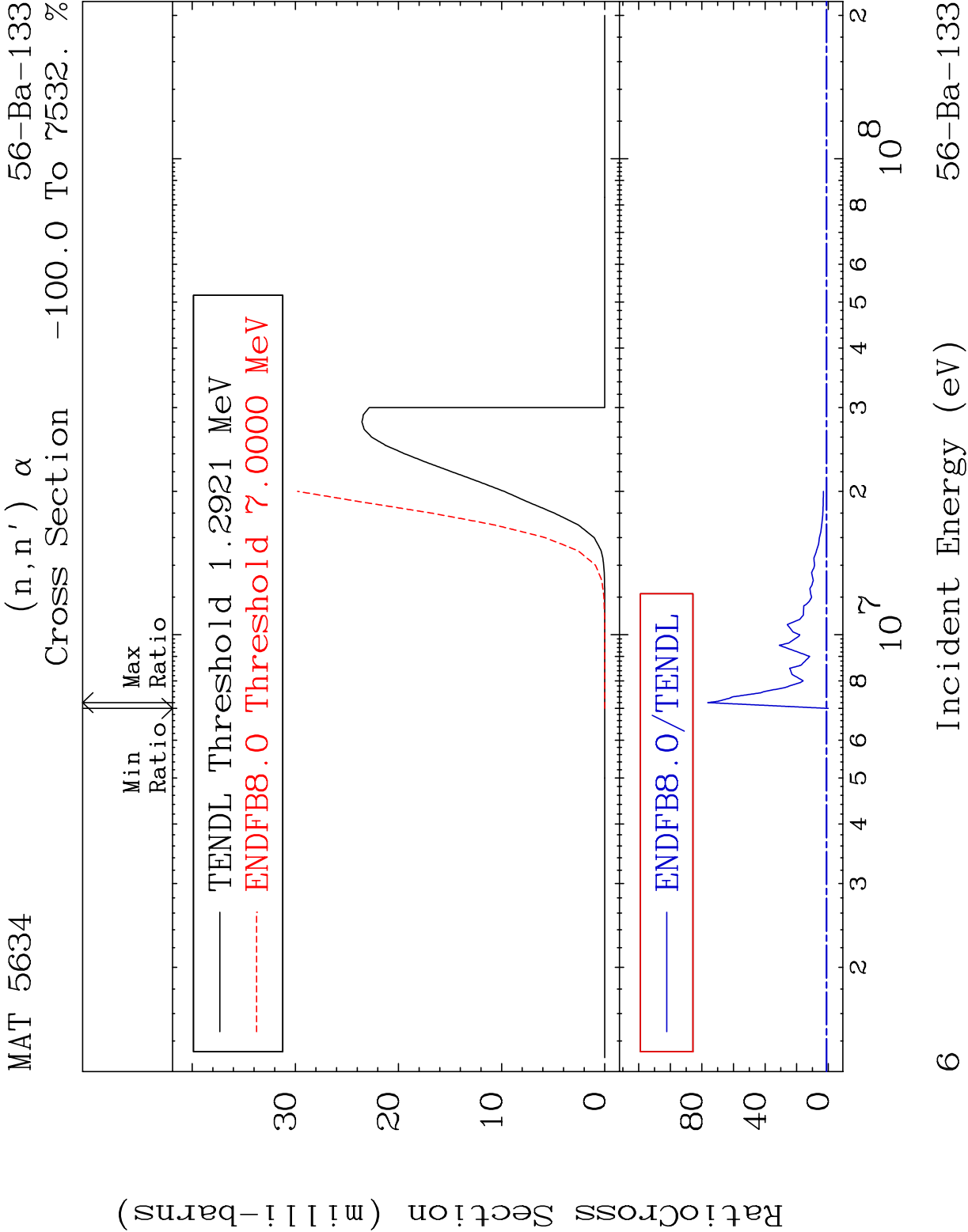
56-Ba-133

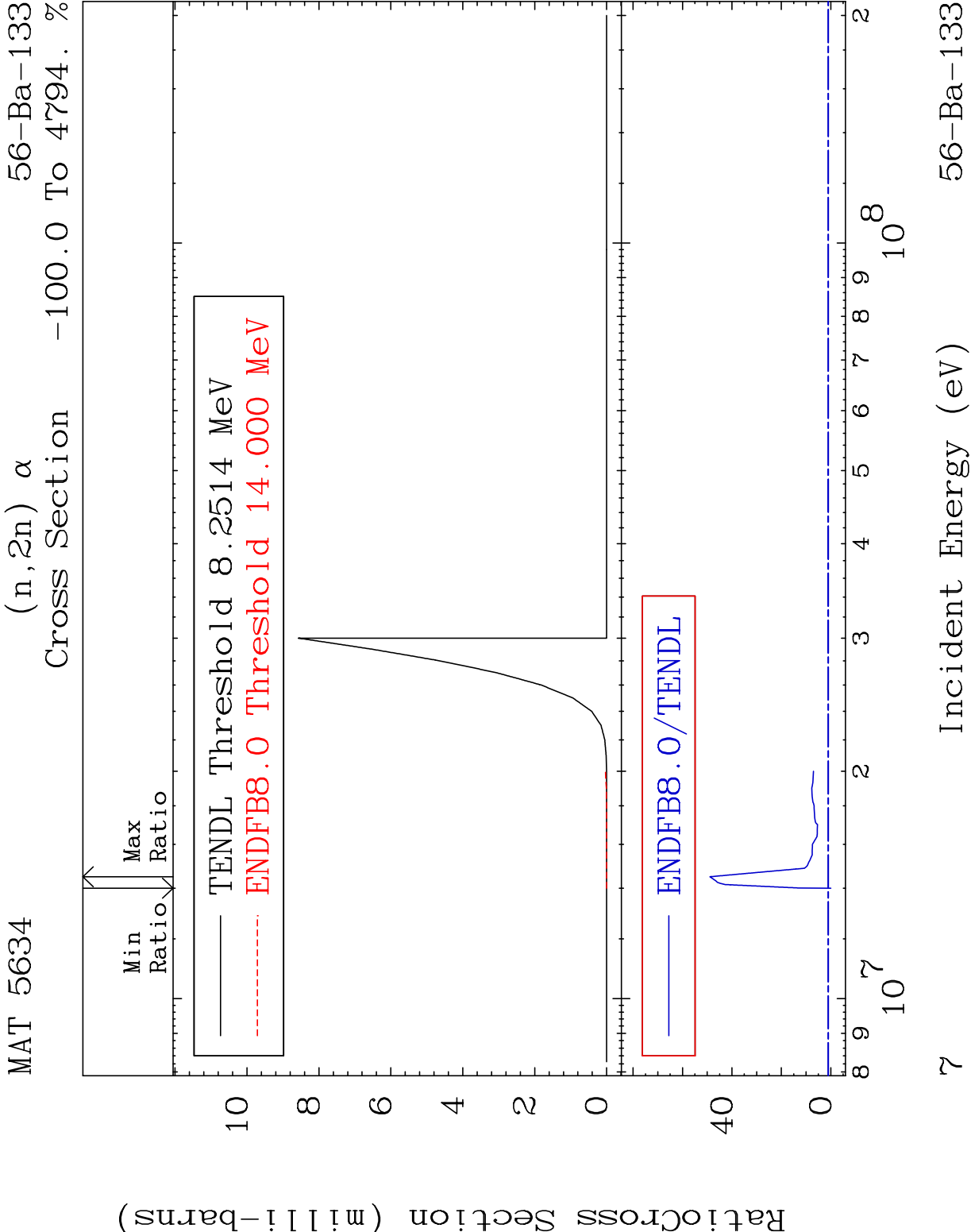
Cross Section

-47.37 To 110.0 %







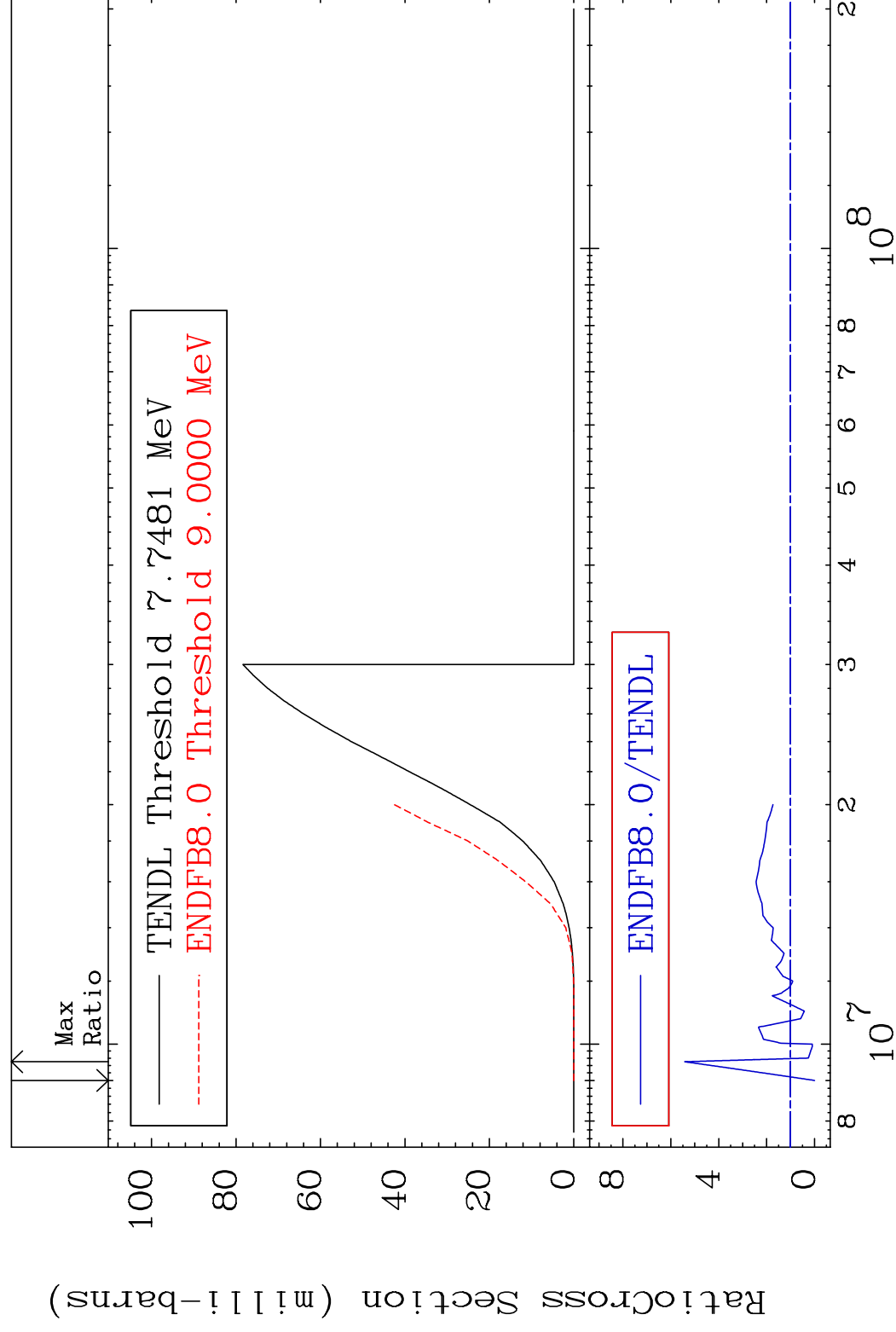


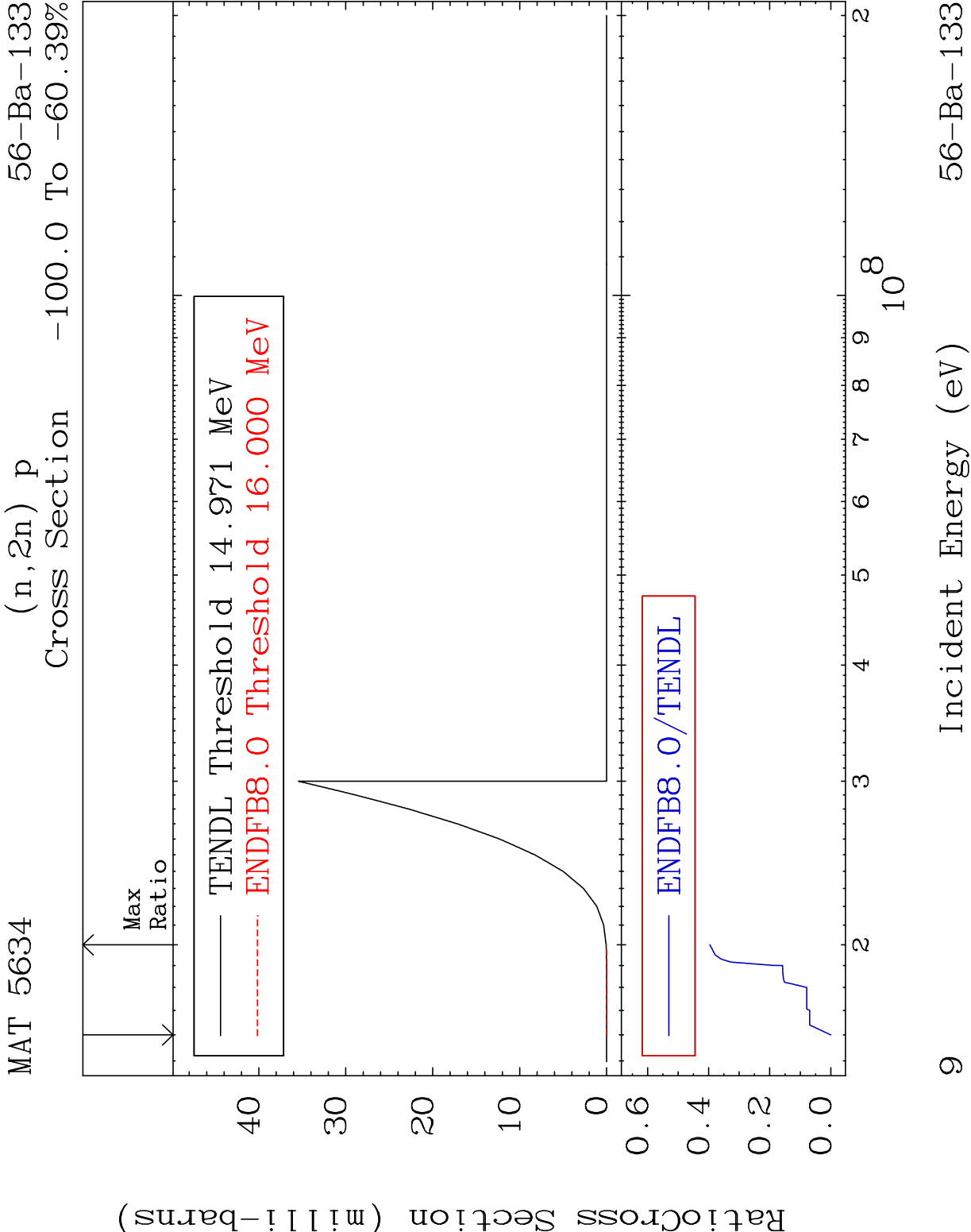
MAT 5634

$$(n, n')$$

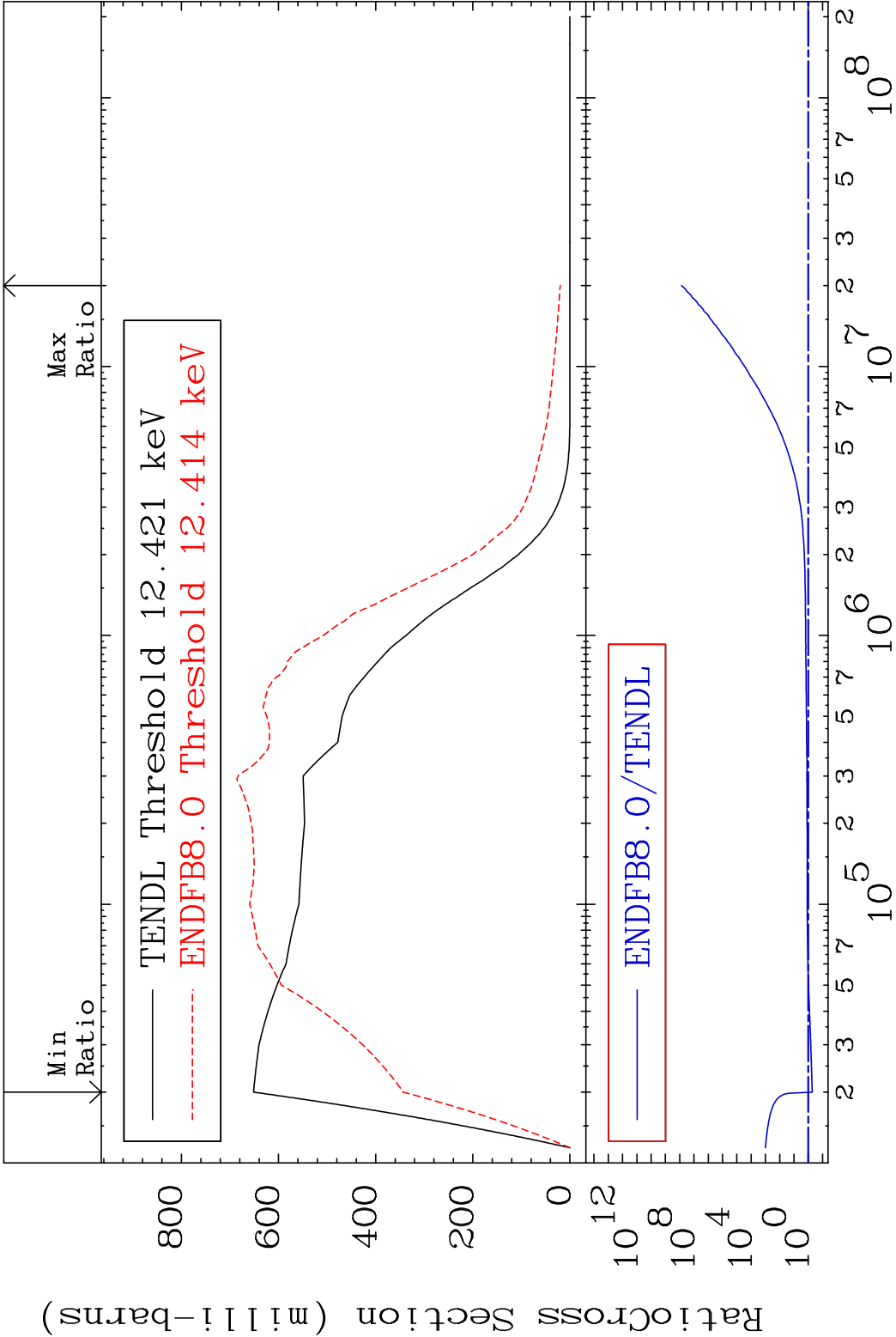
56-Ba-133

Cross Section

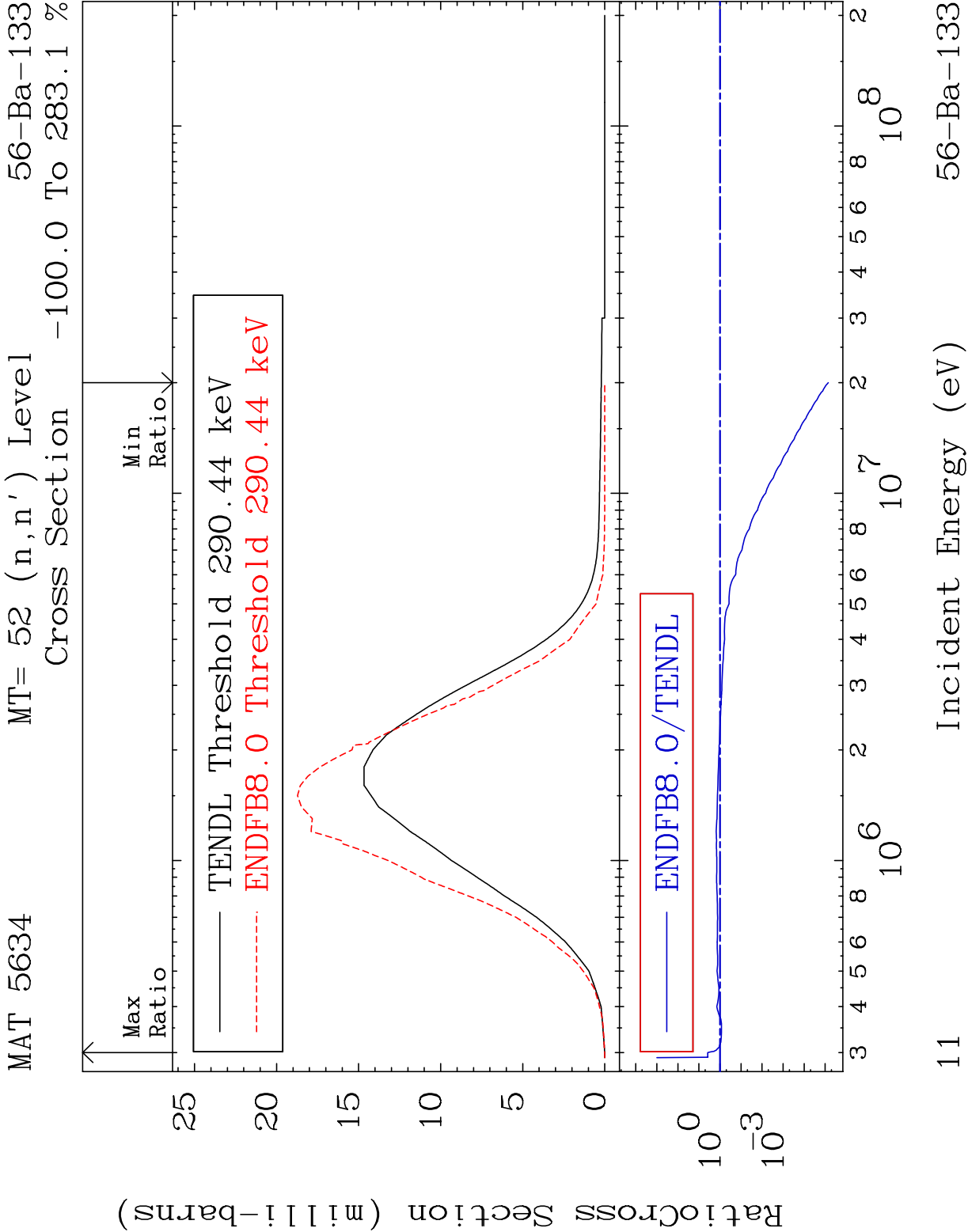




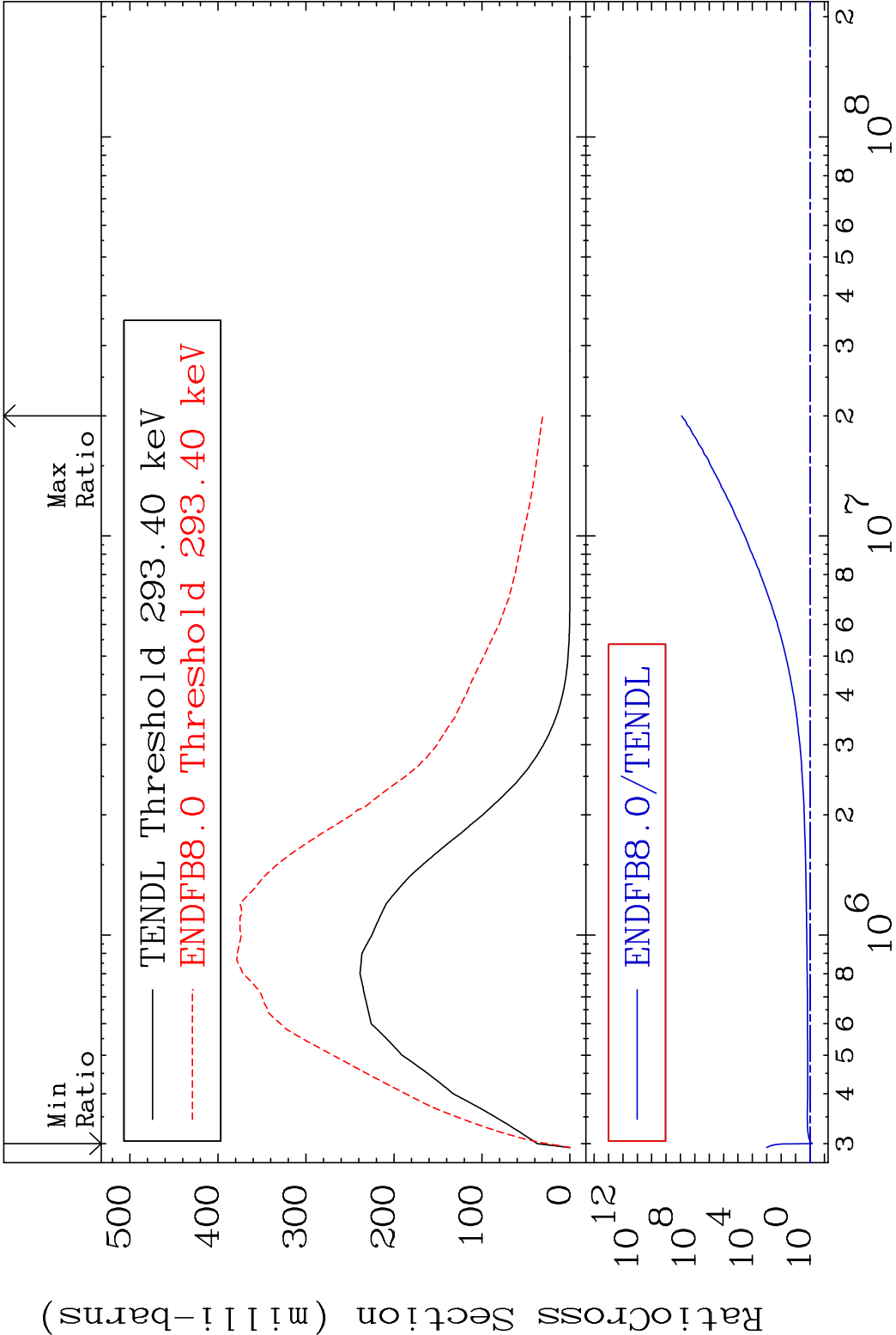
MAT 5634 MT= 51 (n,n') Level 56-Ba-133
Cross Section -47.31 To 9999. %



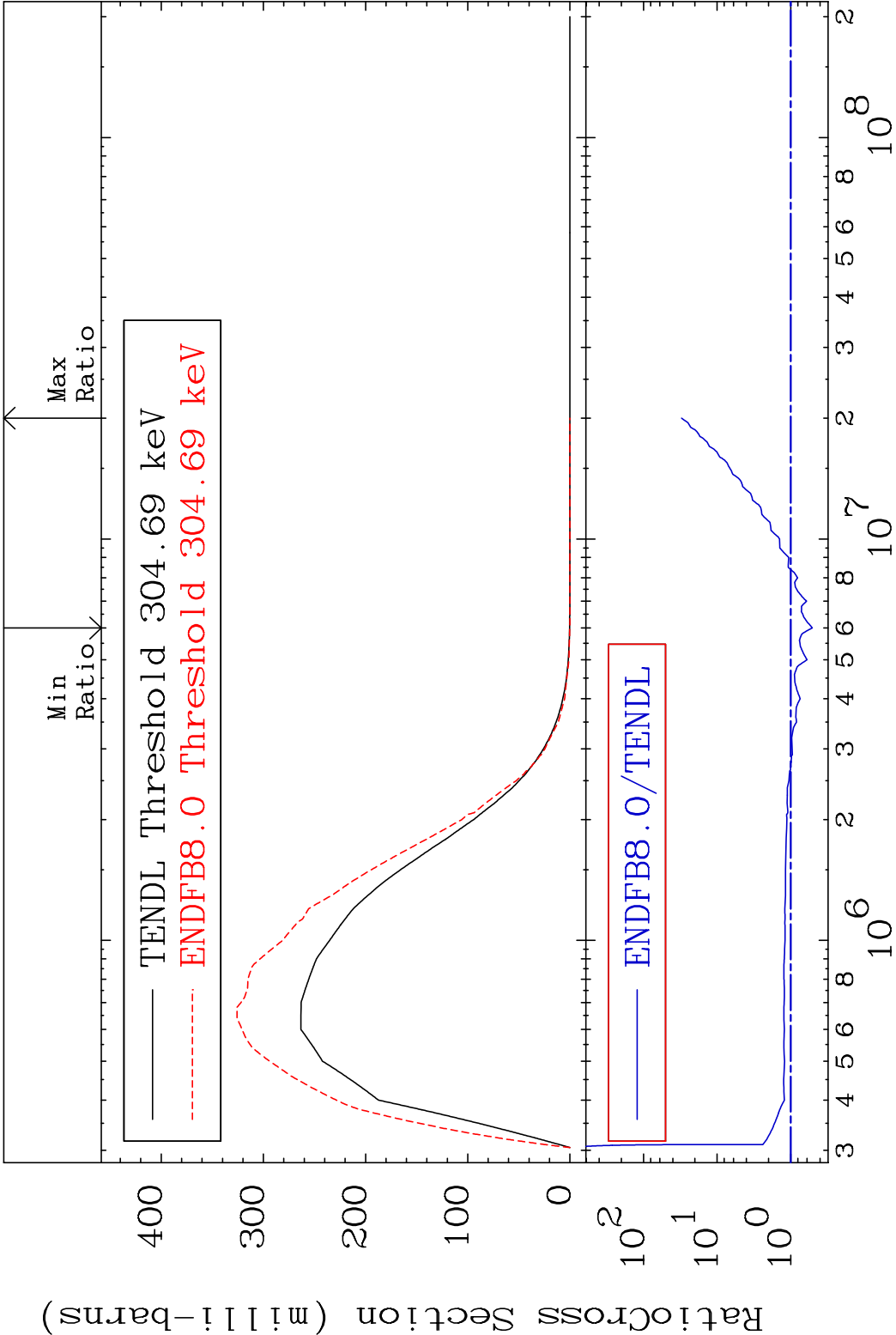
10 Incident Energy (eV) 56-Ba-133



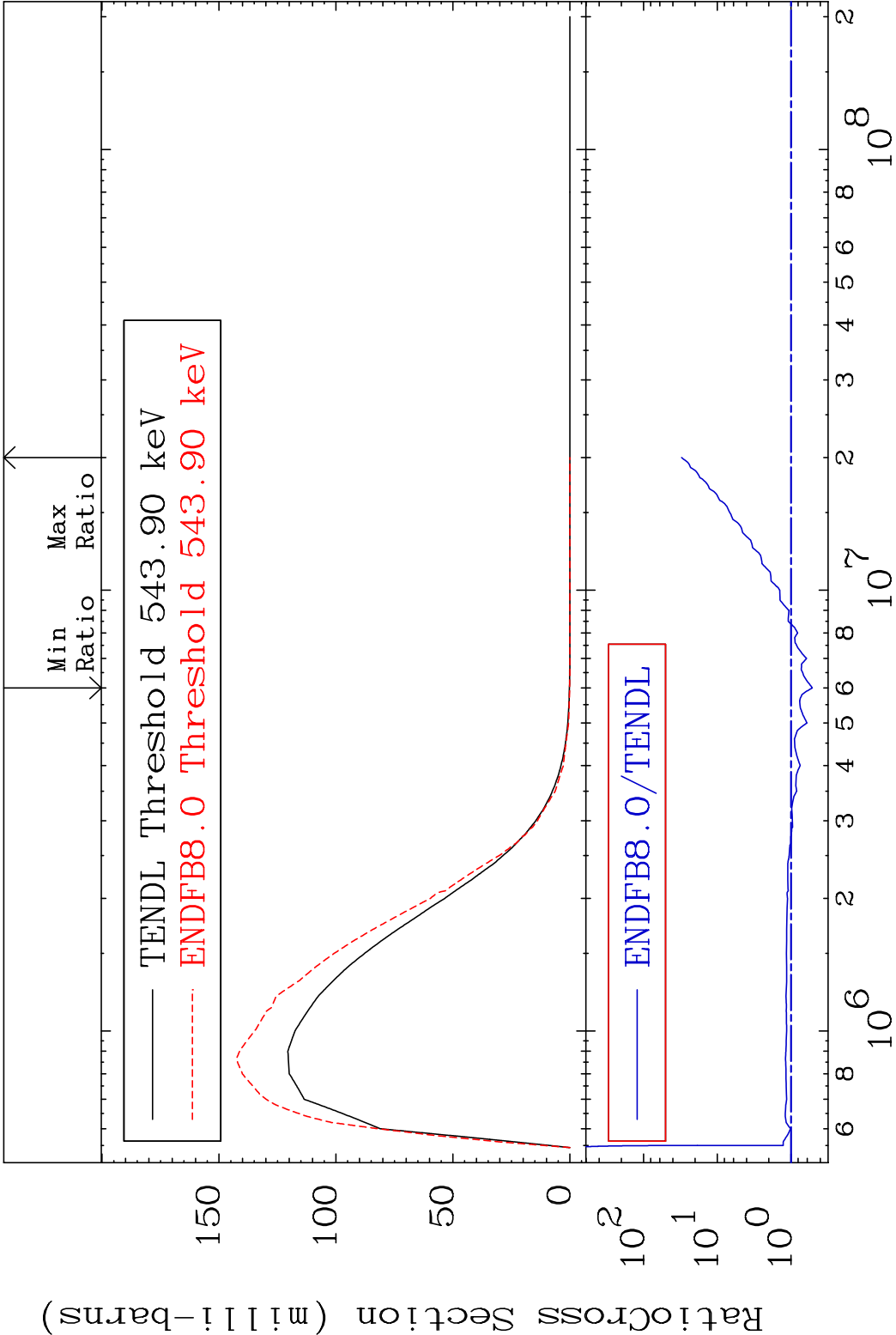
MAT 5634 MT= 53 (n,n') Level 56-Ba-133
Cross Section -30.76 To 9999. %



MAT 5634 MT= 54 (n,n') Level 56-Ba-133
Cross Section -49.05 To 2943. %

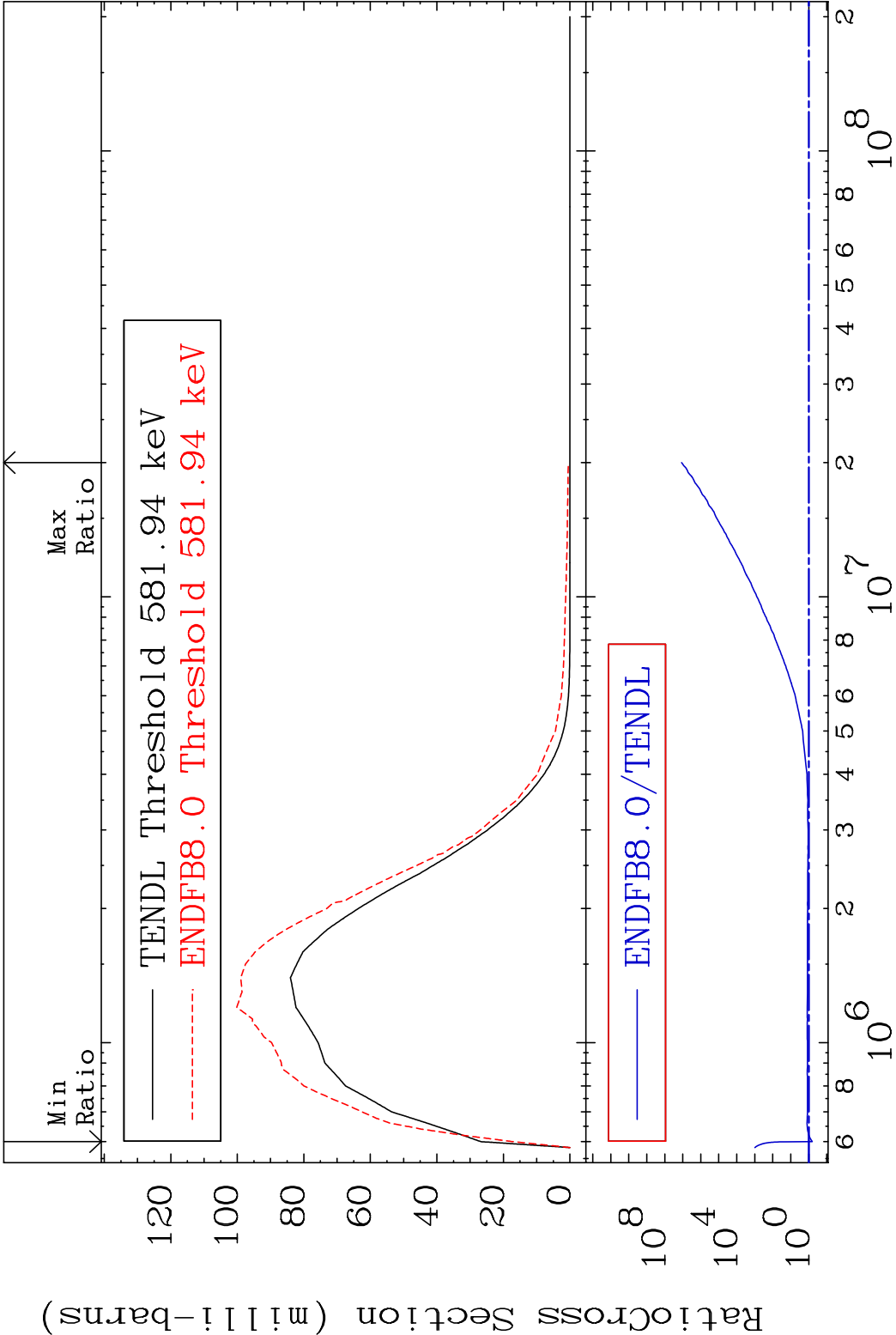


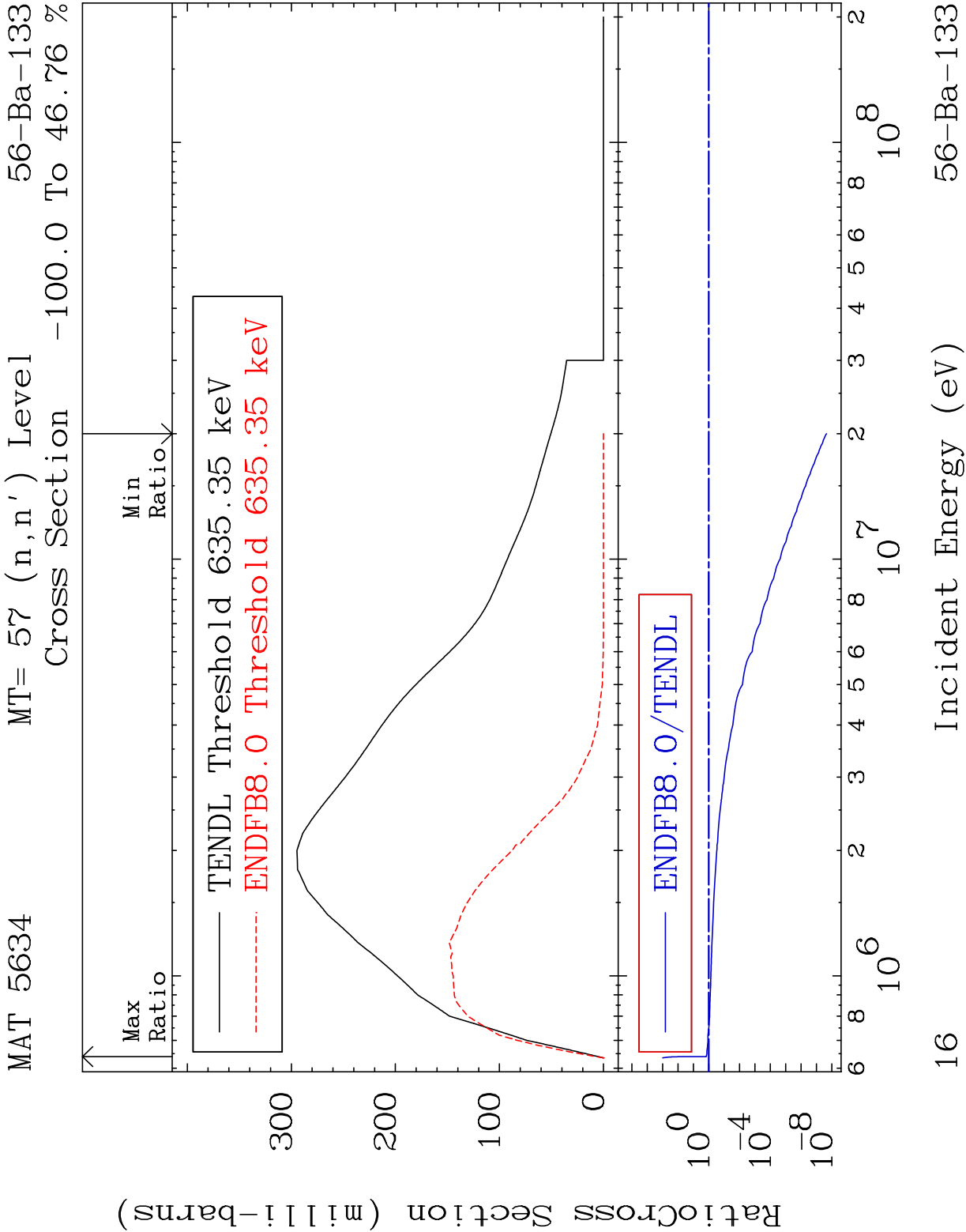
MAT 5634 MT= 55 (n,n') Level 56-Ba-133
Cross Section -48.54 To 2946. %



14 Incident Energy (eV) 56-Ba-133

MAT 5634 MT= 56 (n,n') Level 56-Ba-133
Cross Section -36.02 To 9999. %





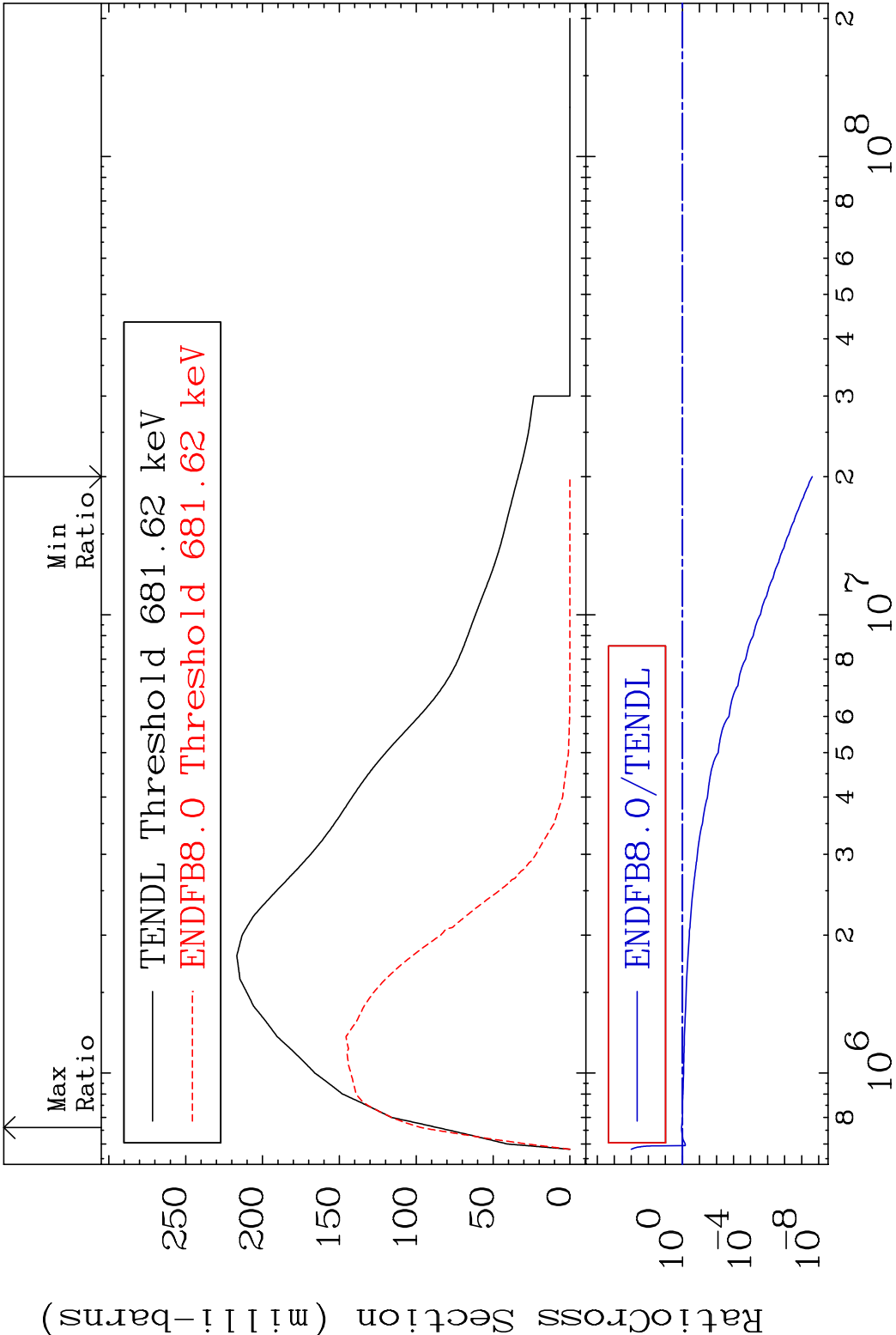
MAT 5634

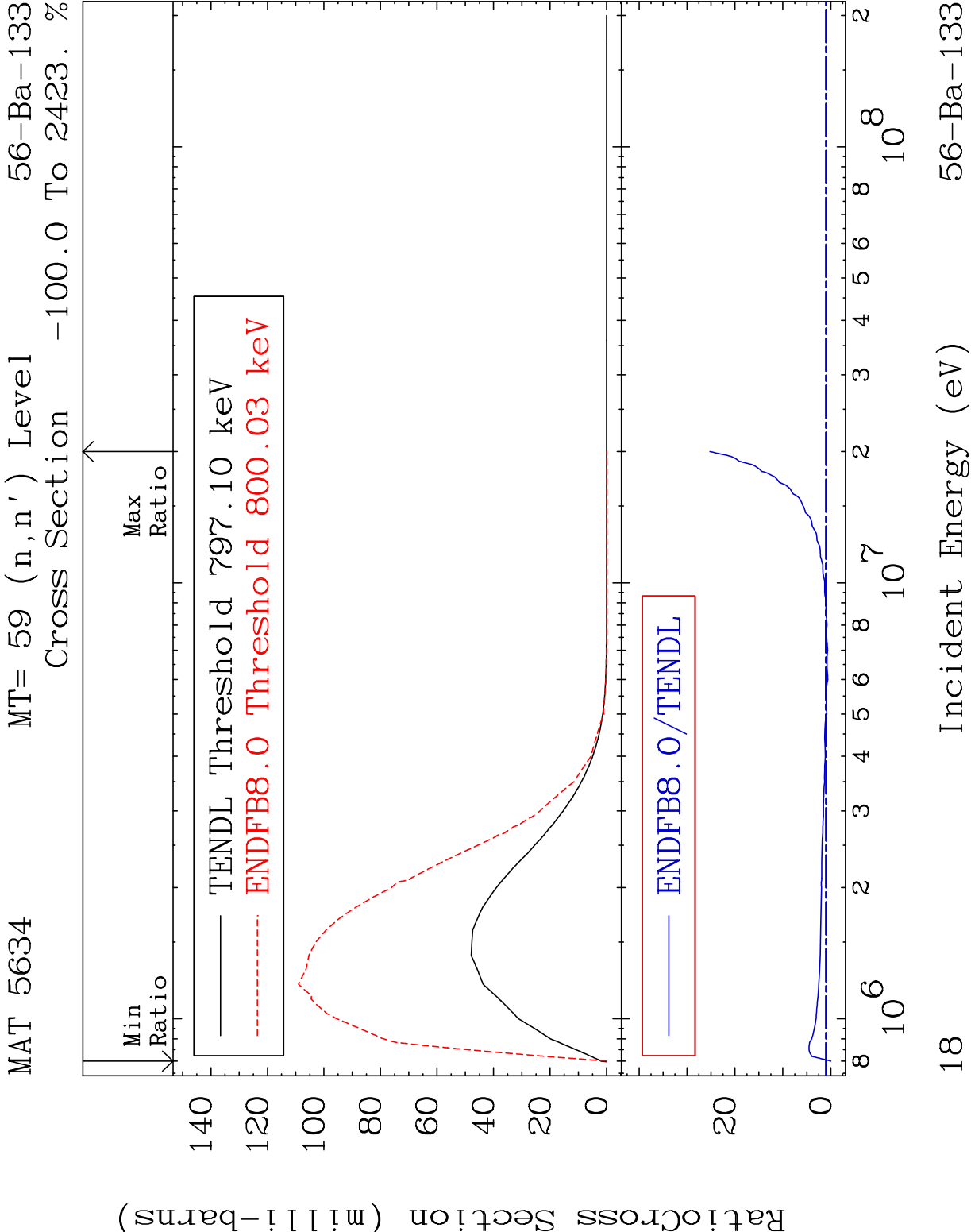
MT= 58 (n,n') Level

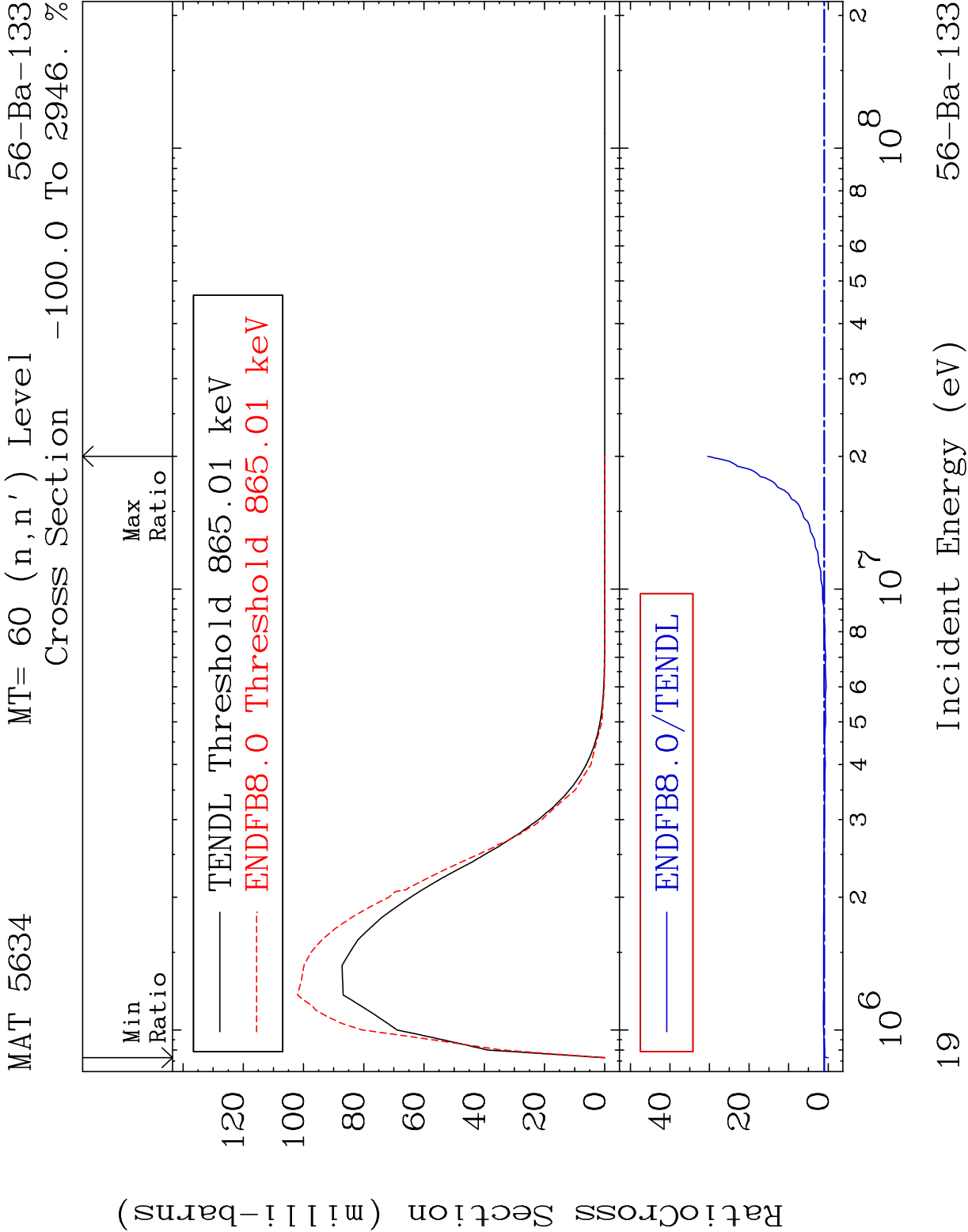
56-Ba-133

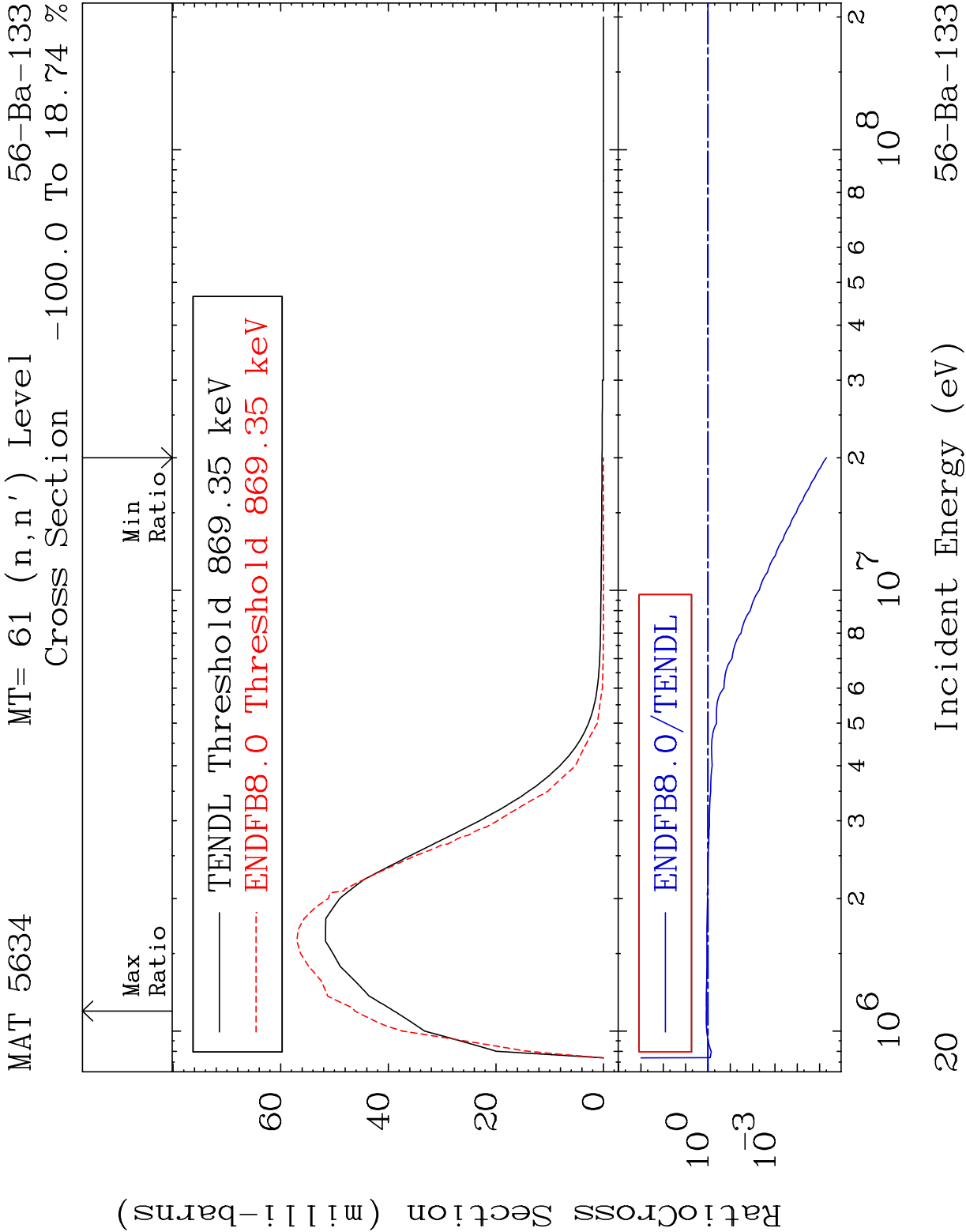
Cross Section

-100.0 To 12.60 %



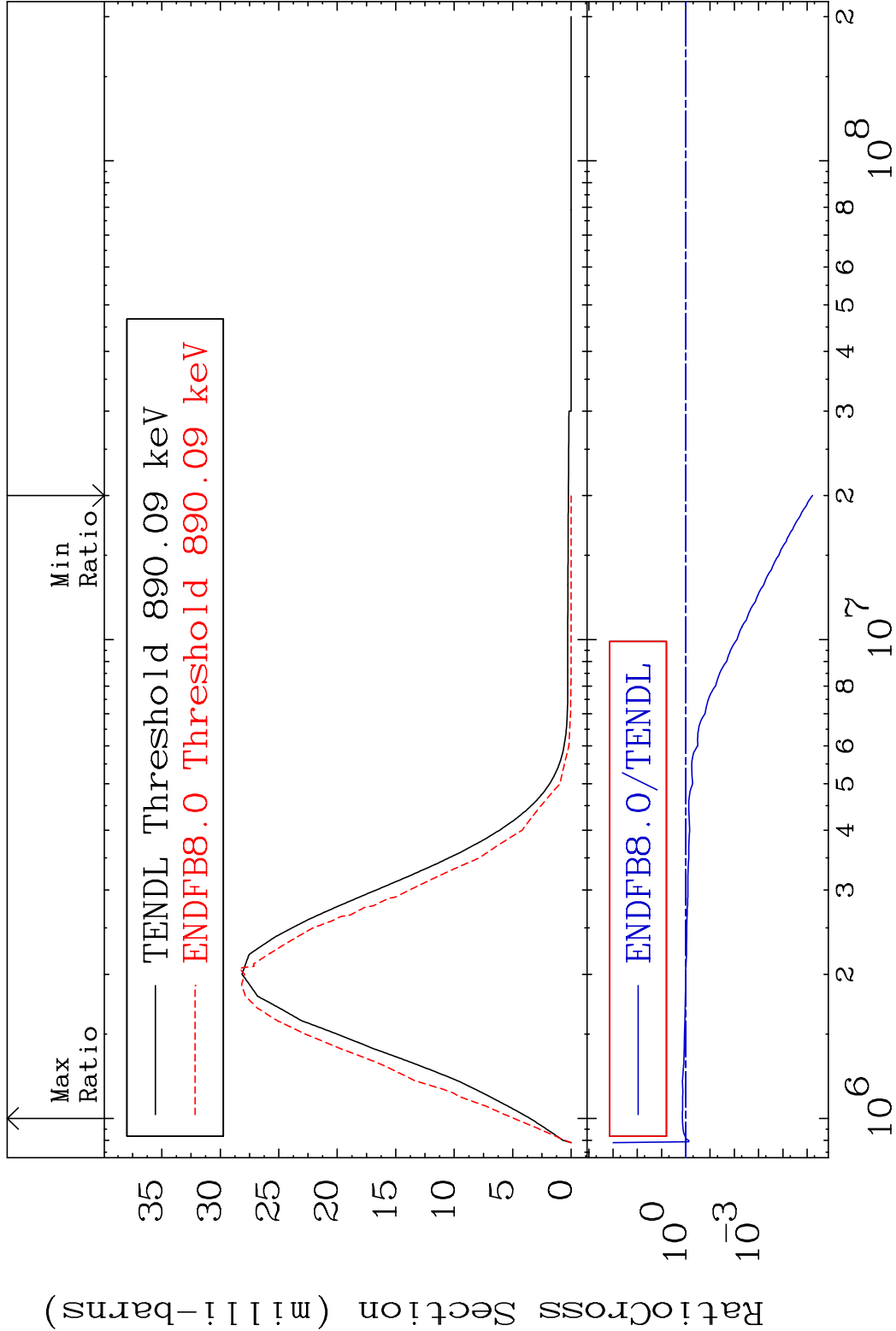




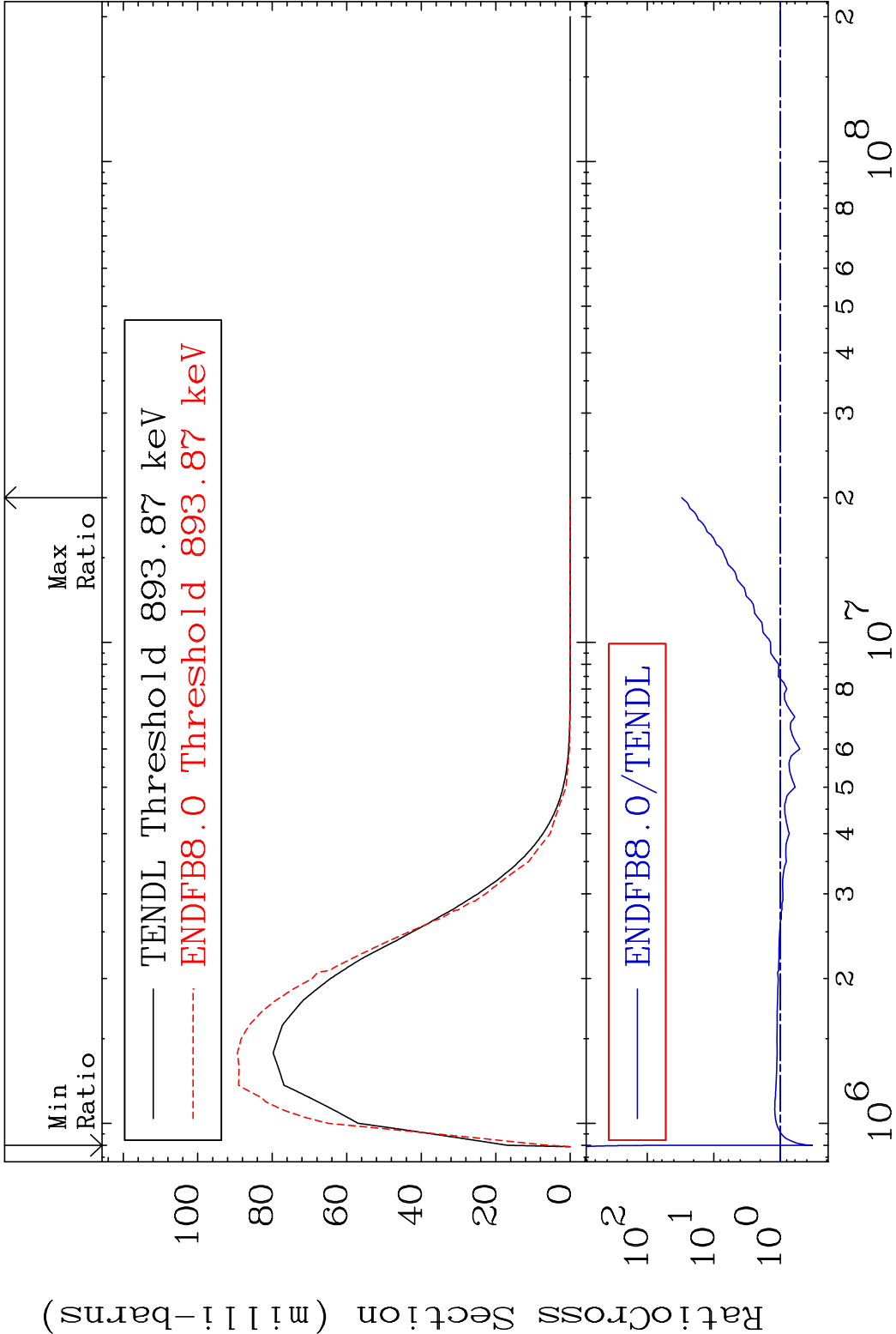


MAT 5634 MT= 62 (n,n') Level 56-Ba-133

Cross Section -100.0 To 39.09 %

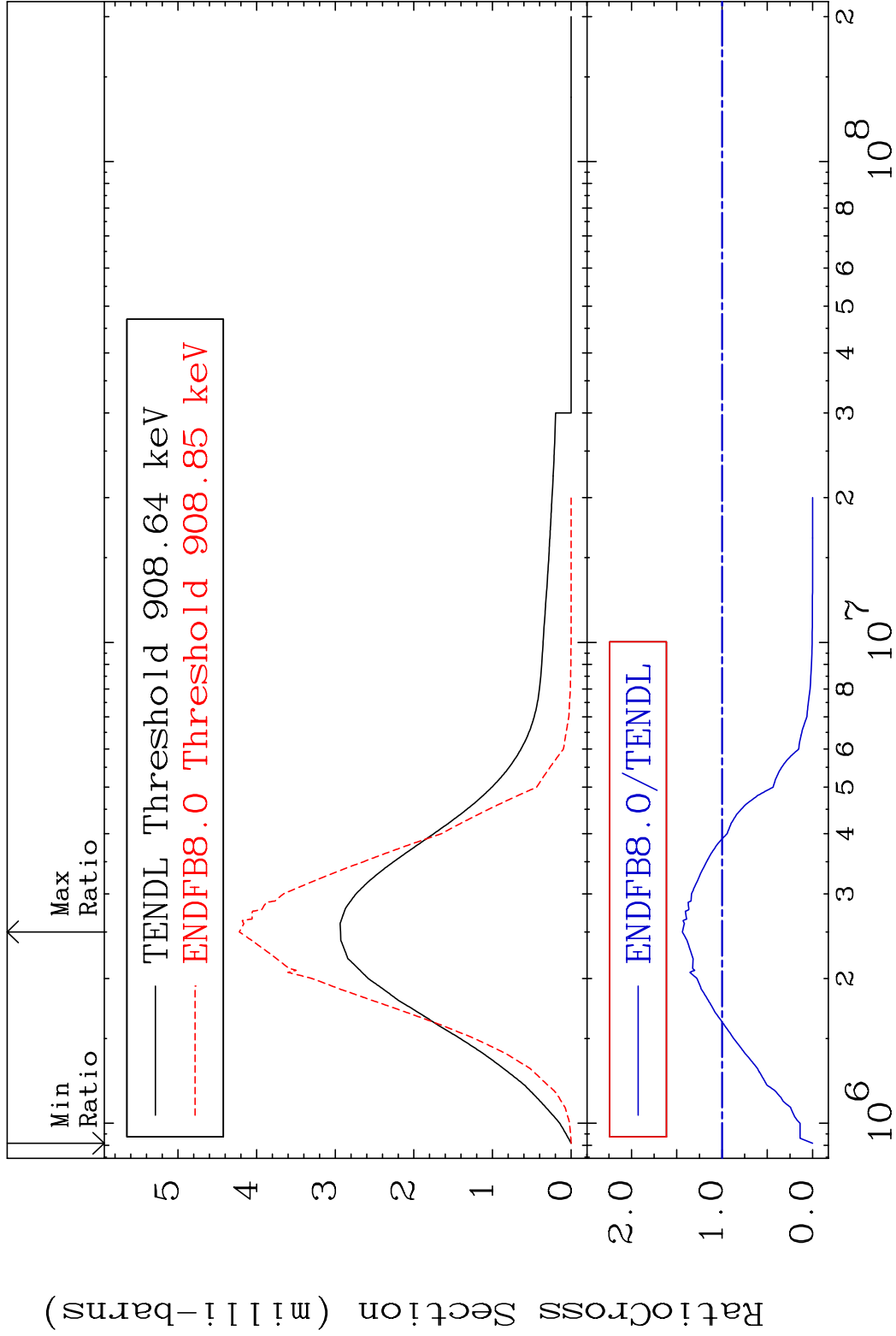


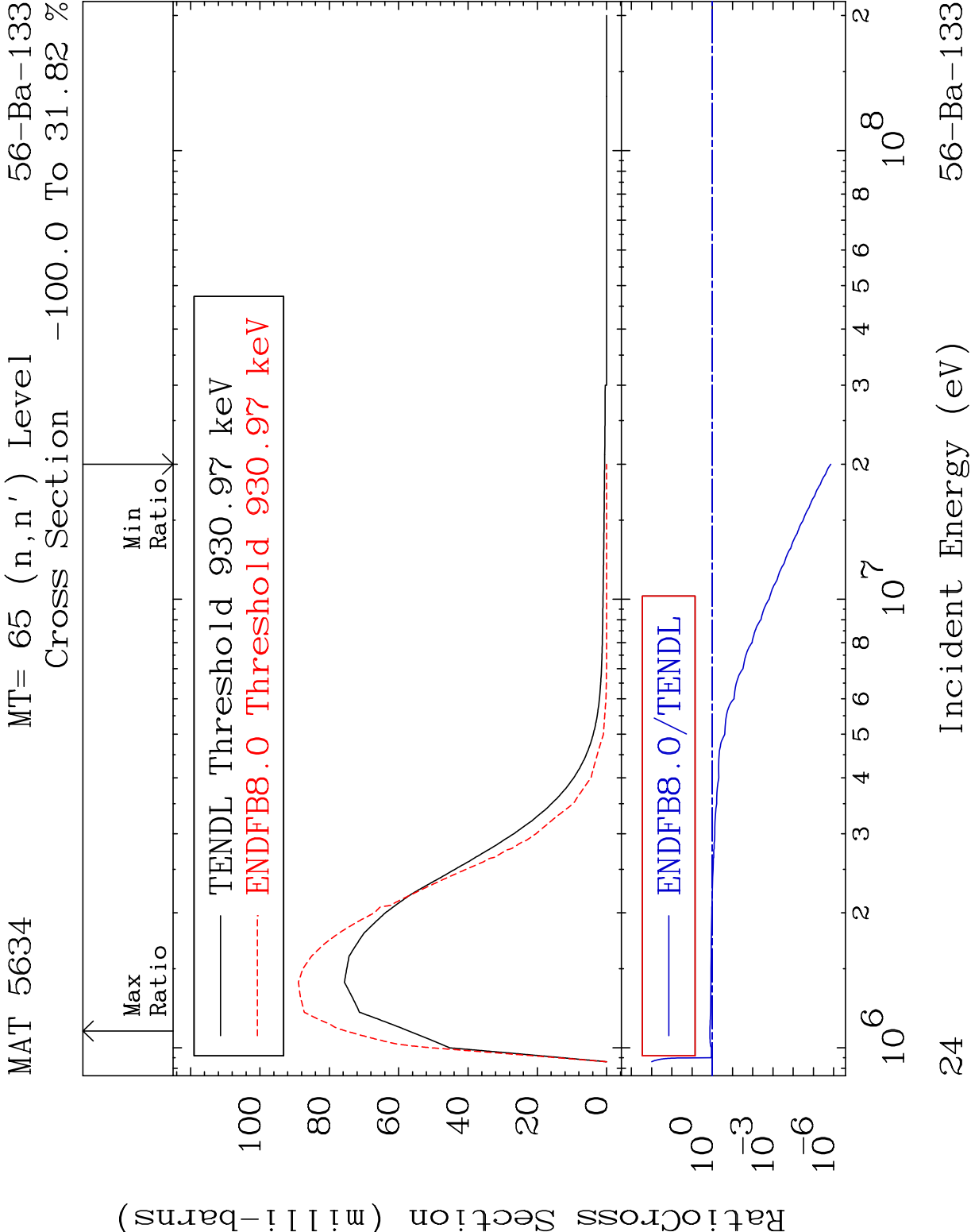
MAT 5634 MT= 63 (n,n') Level 56-Ba-133
Cross Section -66.95 To 2928. %

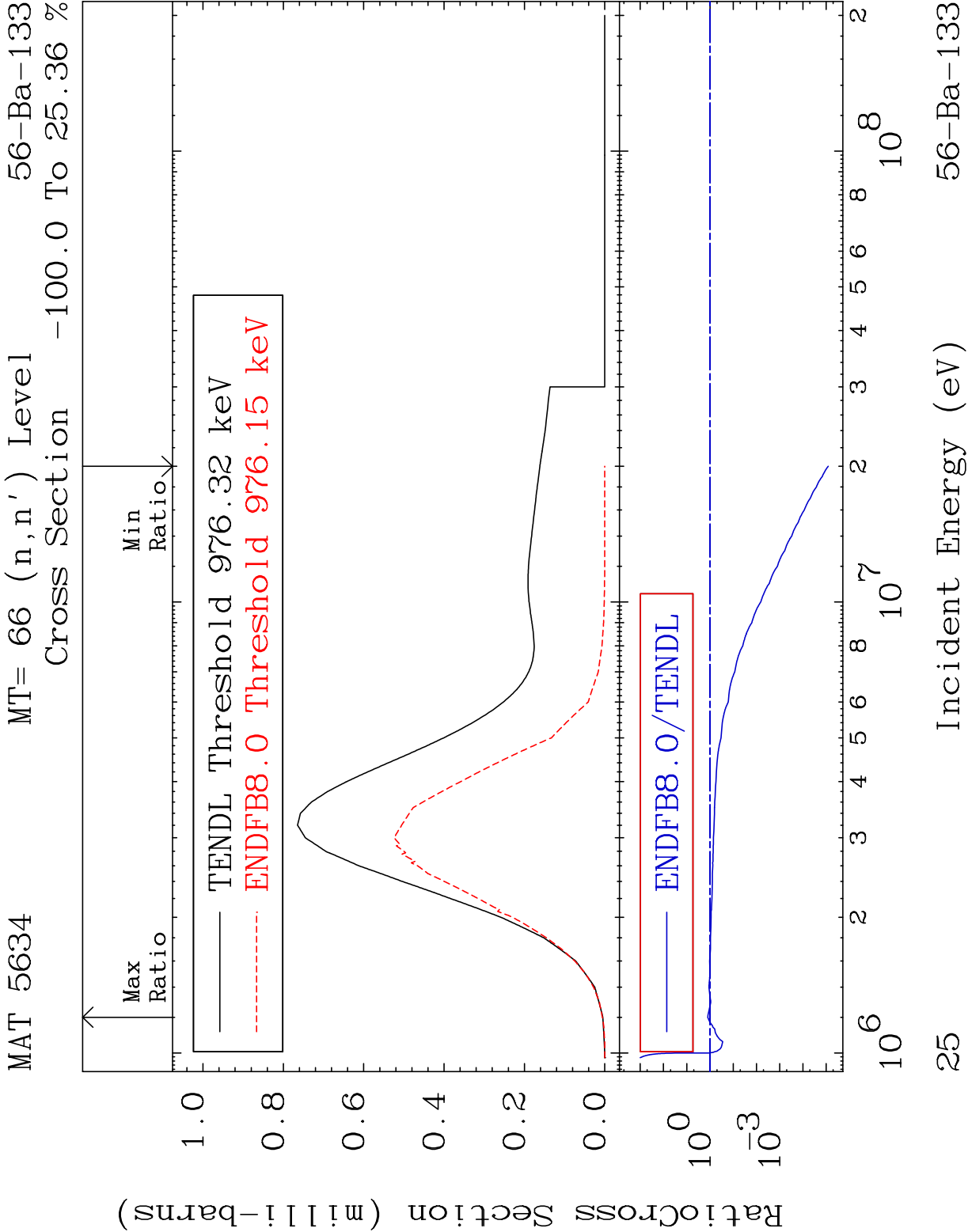


22 Incident Energy (eV) 56-Ba-133

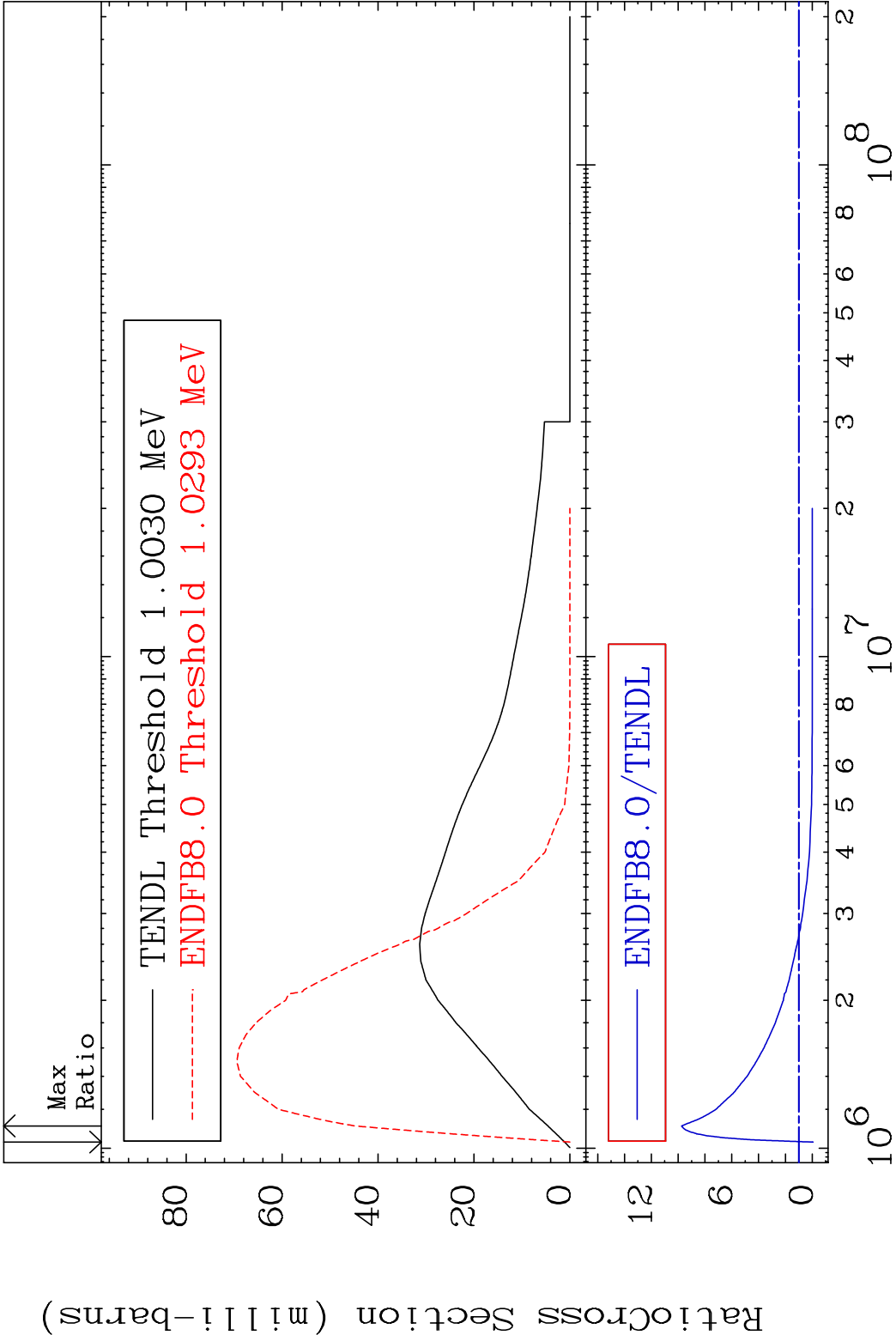
MAT 5634 MT= 64 (n,n') Level 56-Ba-133
Cross Section -100.0 To 43.85 %



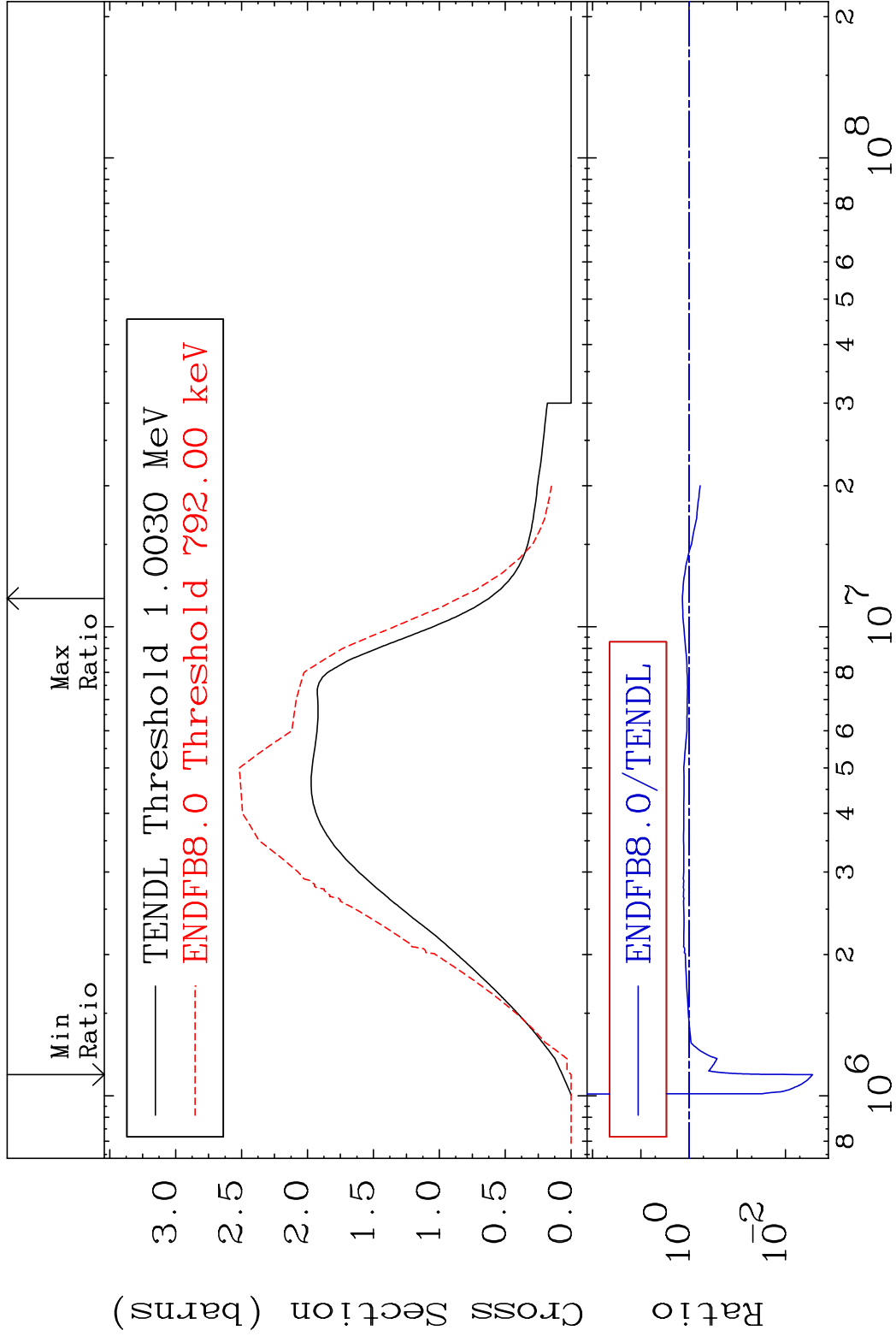


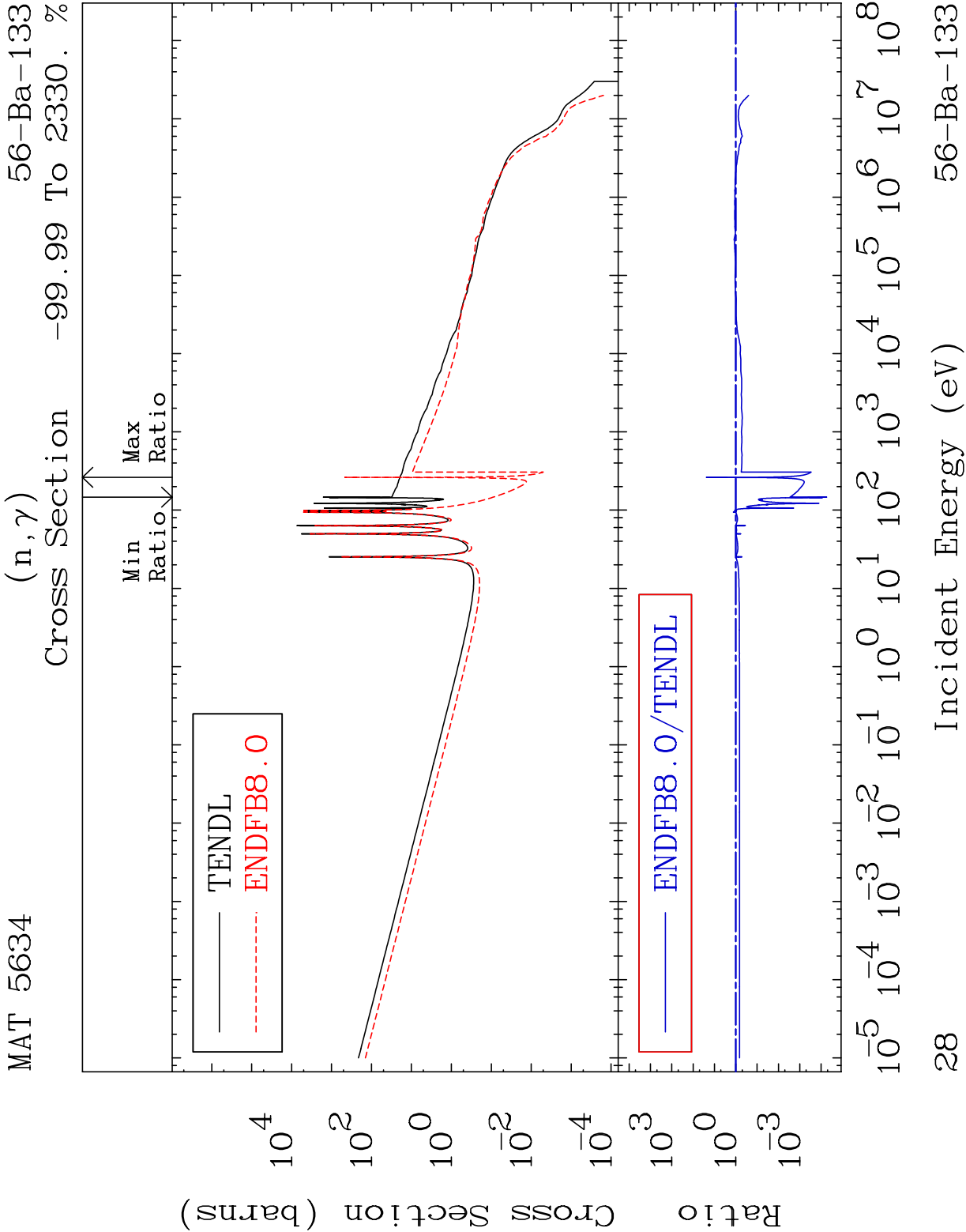


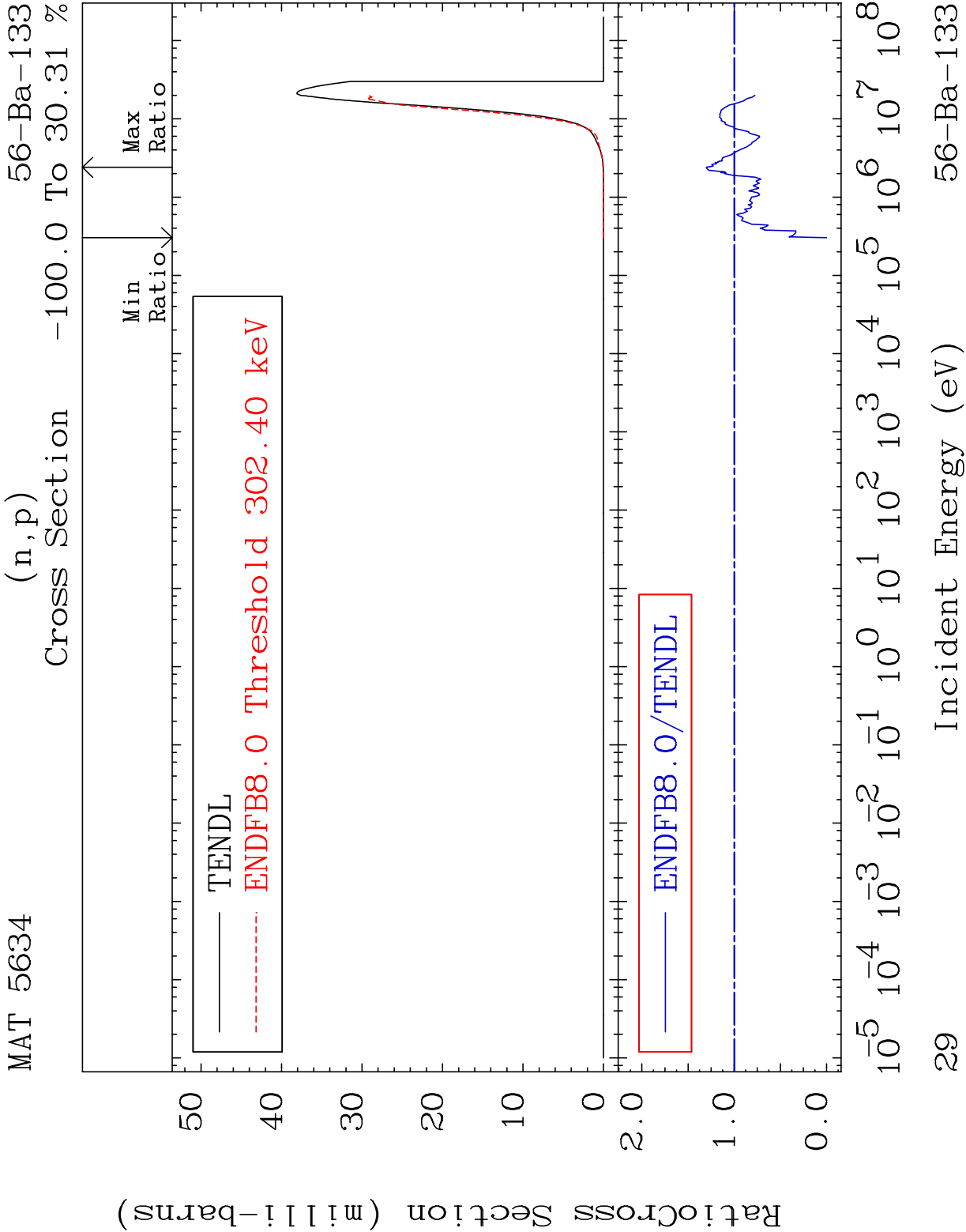
MAT 5634 MT= 67 (n,n') Level 56-Ba-133
Cross Section -100.0 To 874.7 %

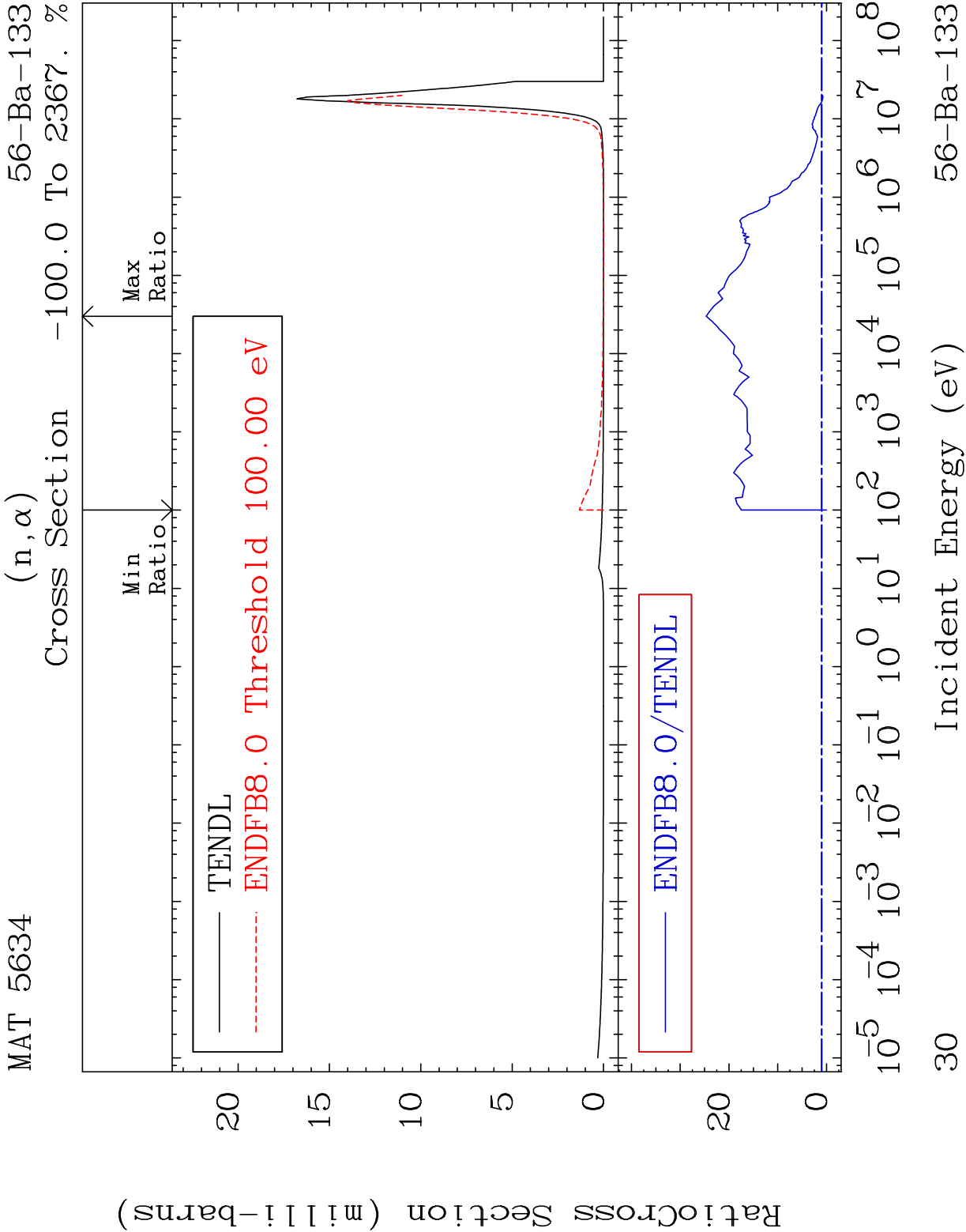


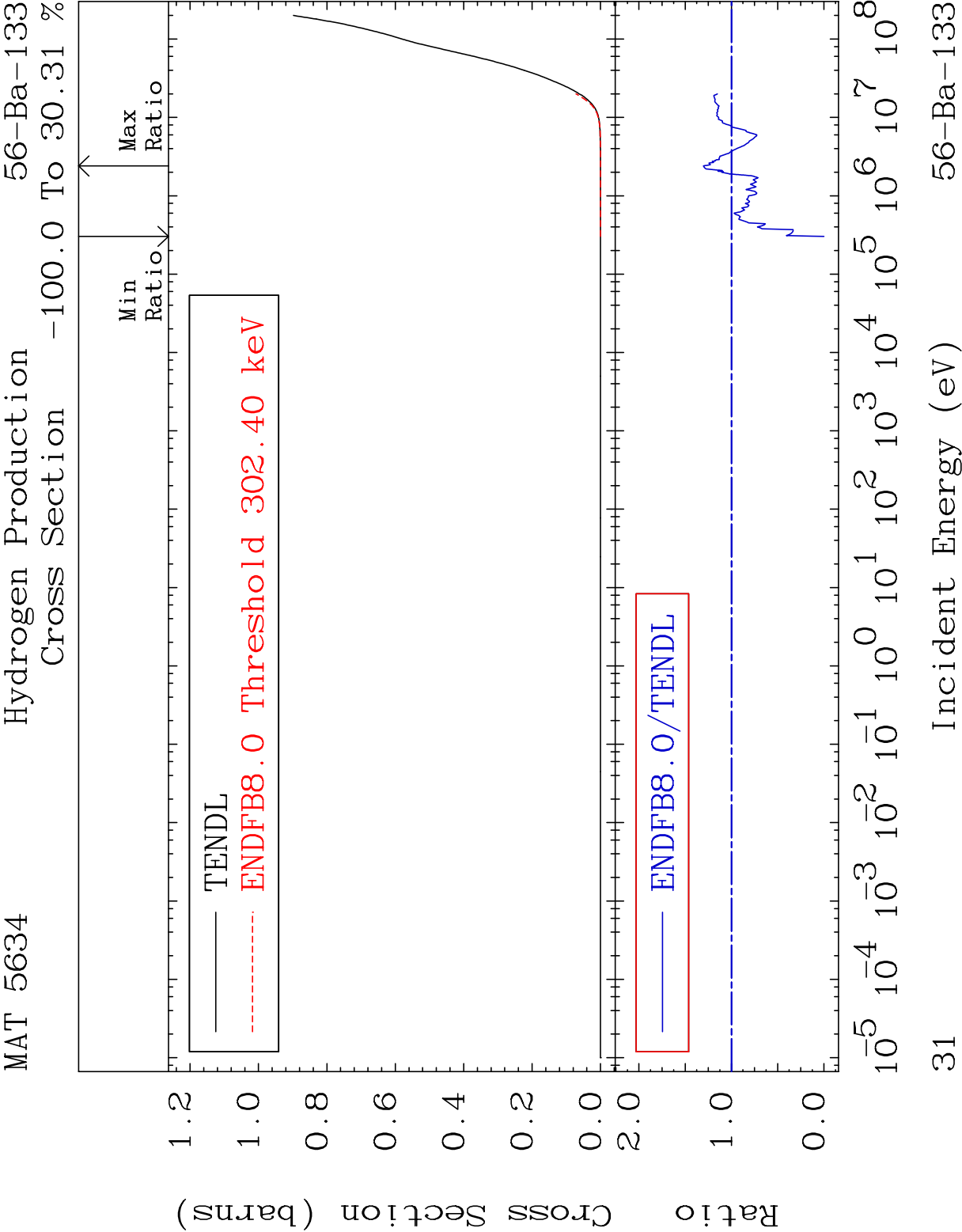
26 Incident Energy (eV) 56-Ba-133

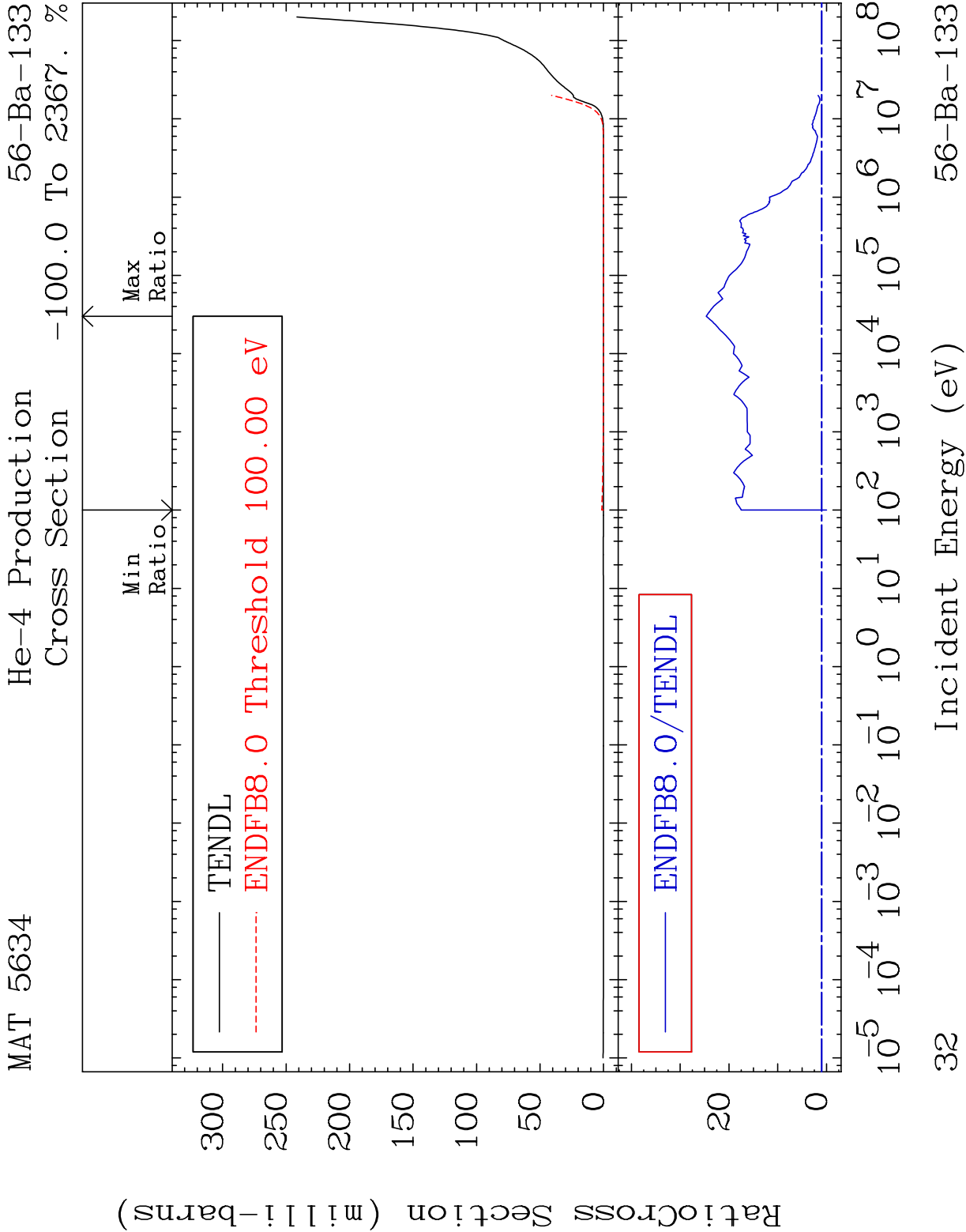




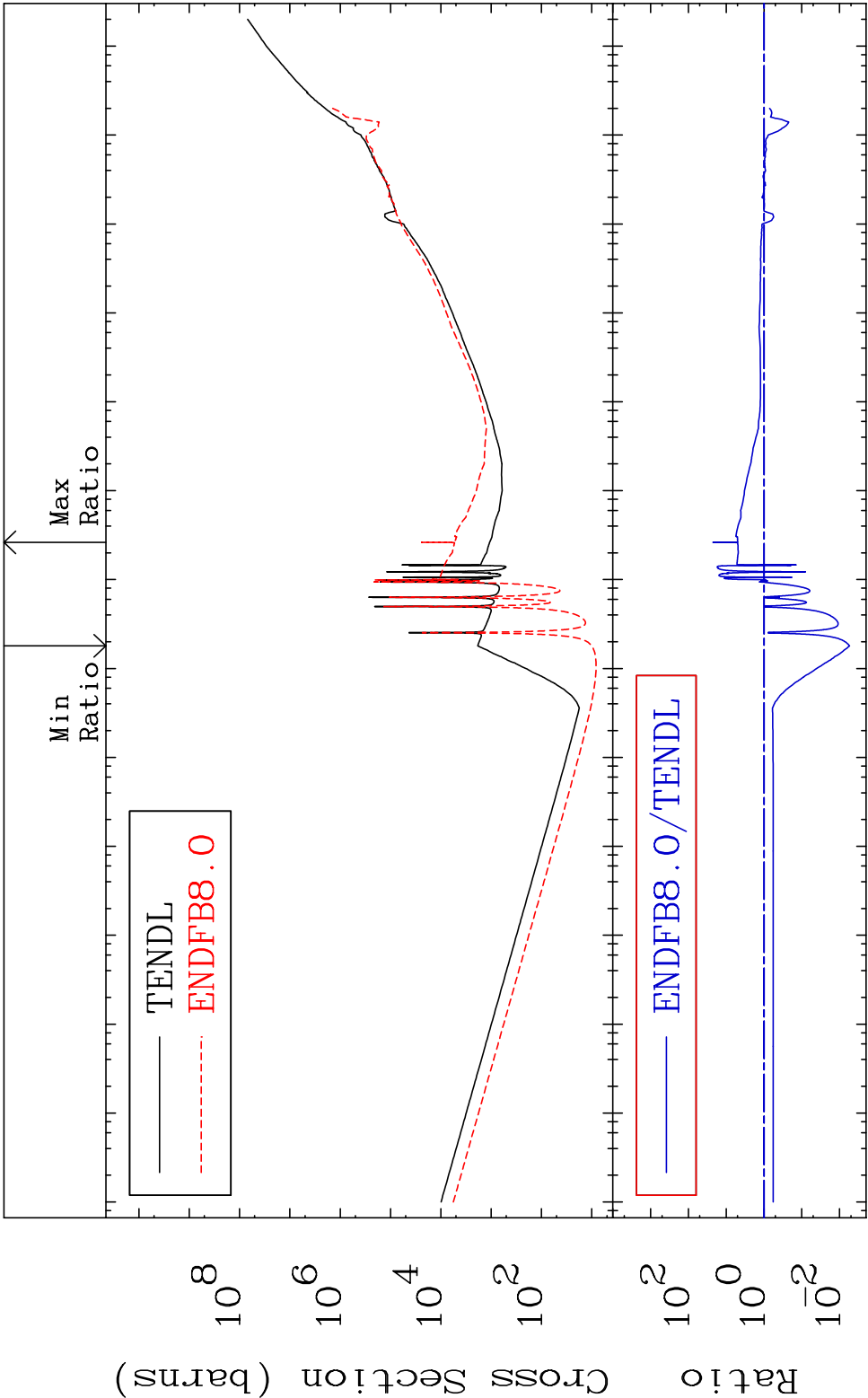






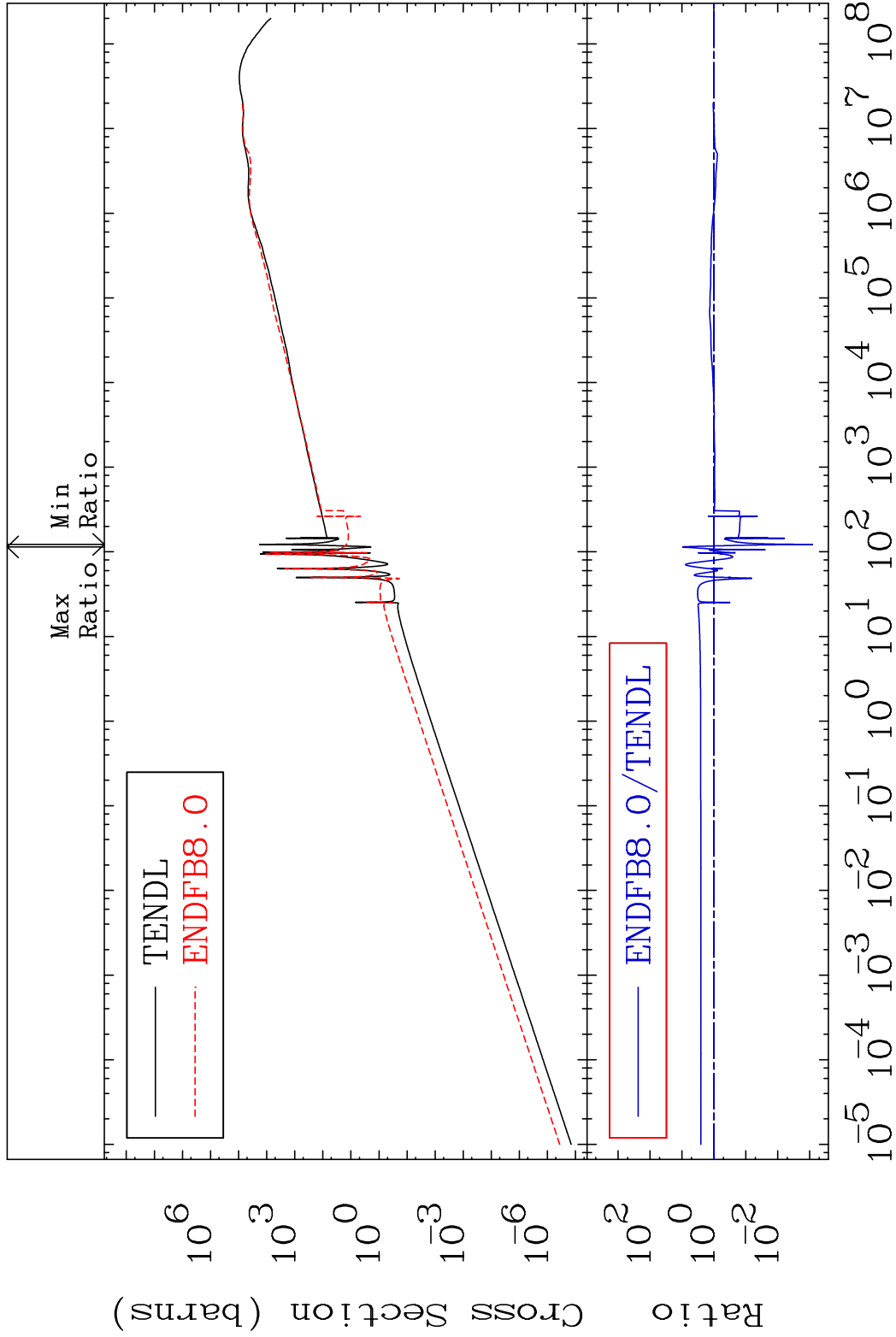


MAT 5634 Kerma total (eV-barns) 56-Ba-133
Cross Section -99.45 To 2160. %



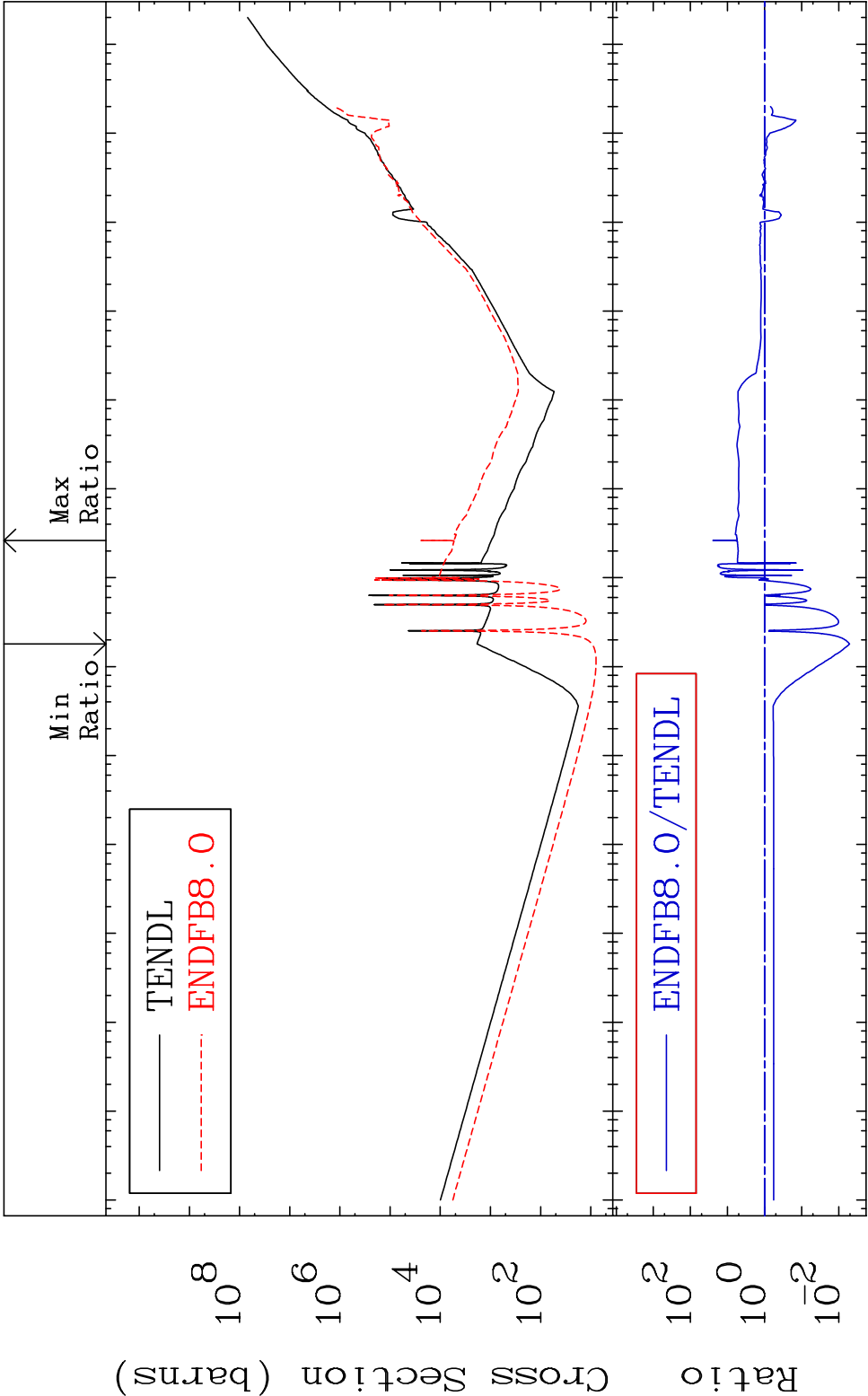
33 Incident Energy (eV) 56-Ba-133

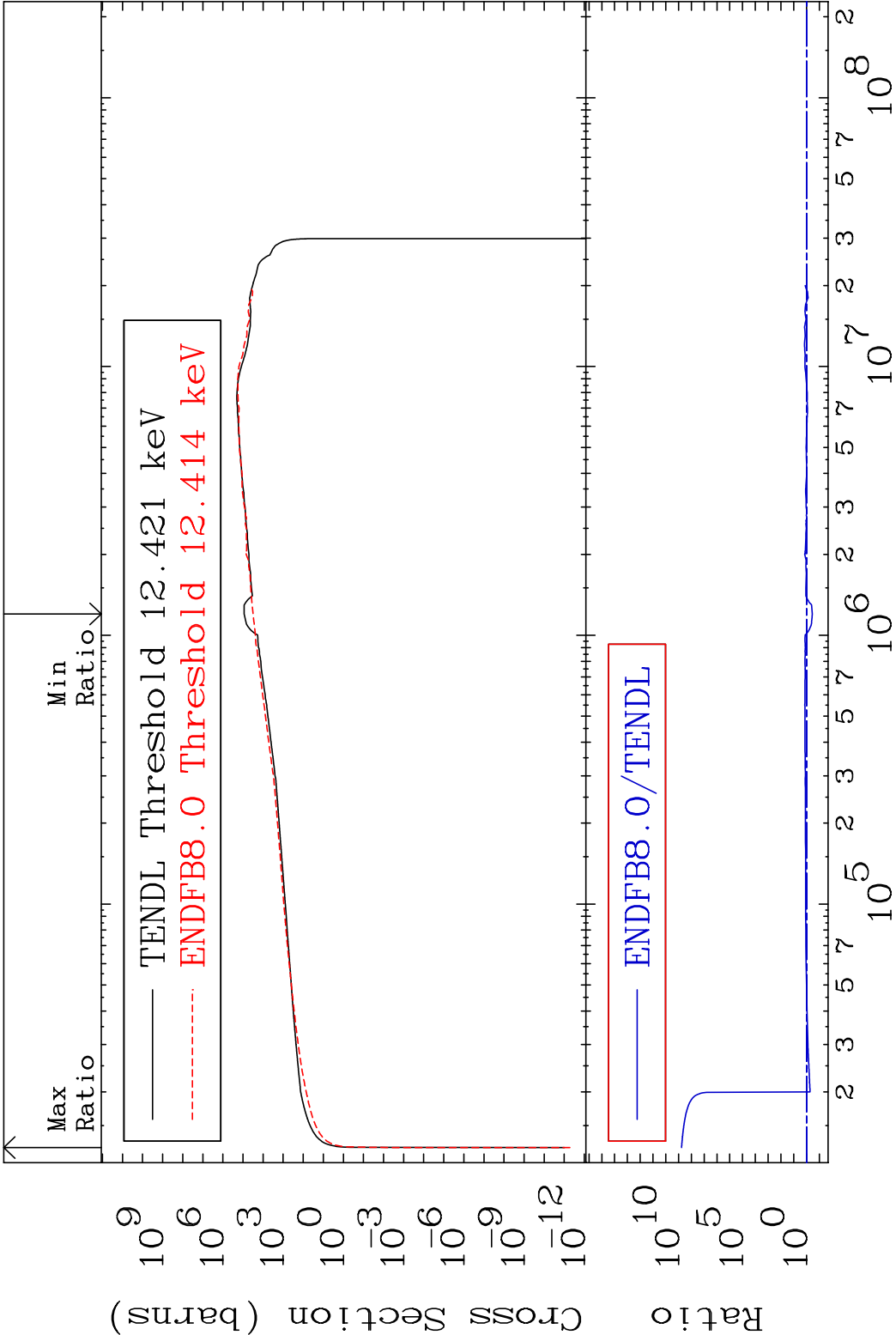
MAT 5634 Kerma elastic 56-Ba-133
Cross Section -99.92 To 866.0 %



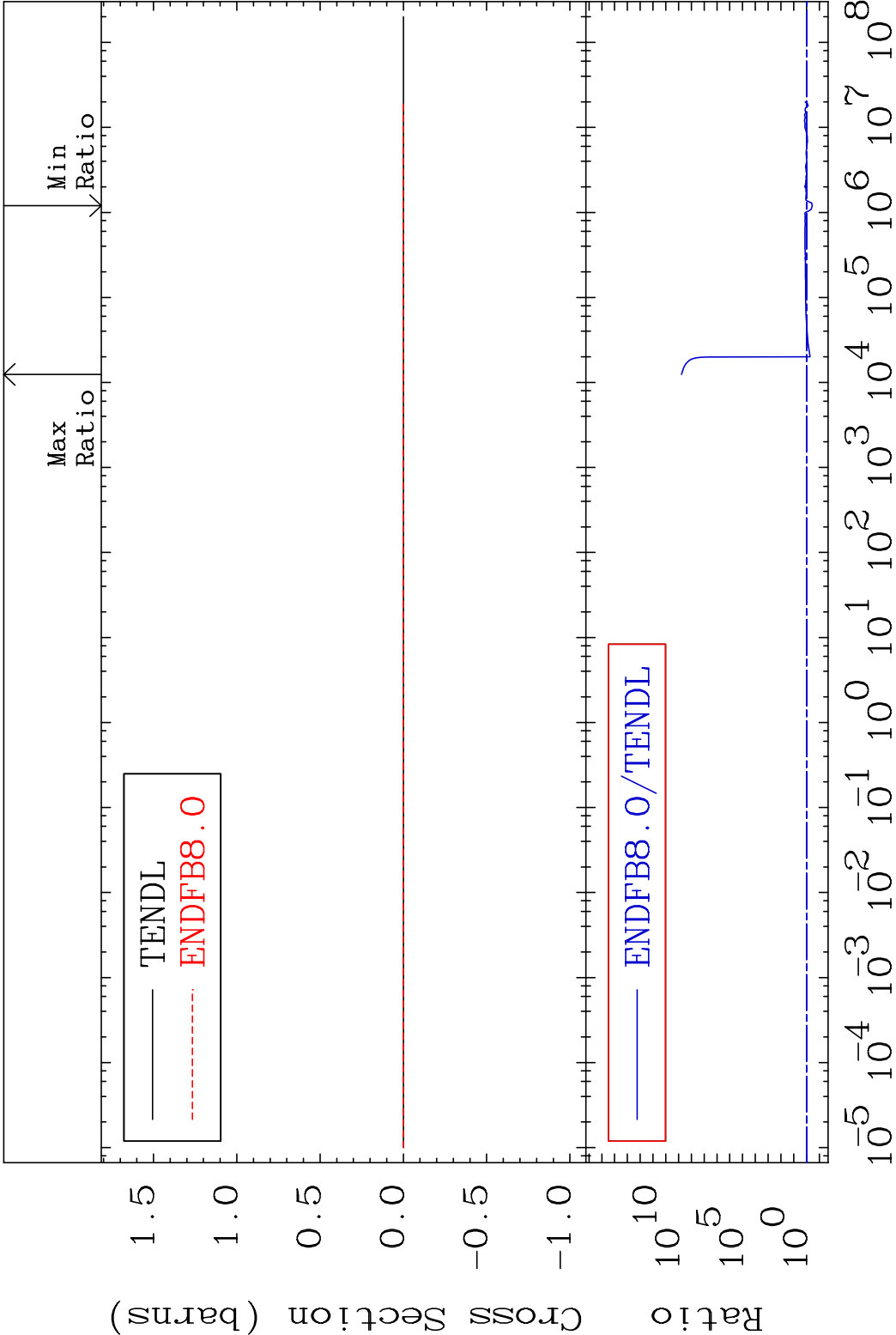
34 Incident Energy (eV) 56-Ba-133

MAT 5634 Kerma non-elastic (all but mt2) 56-Ba-133
Cross Section -99.49 To 2393. %



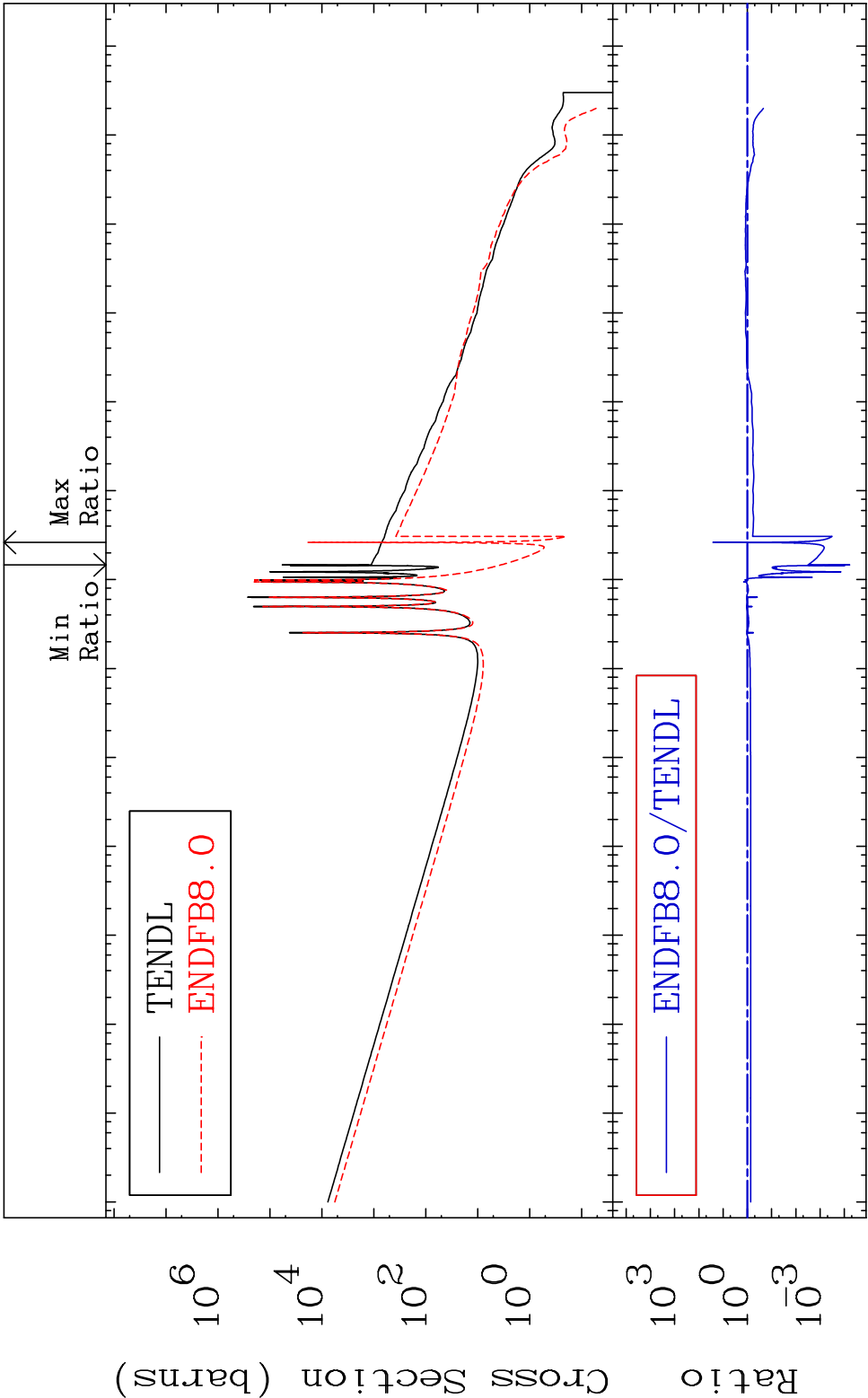


MAT 5634 Kerma fission (mt18 or mt19-20-21-38)56-Ba-133
Cross Section -64.52 To 9999. %



37 Incident Energy (eV) 56-Ba-133

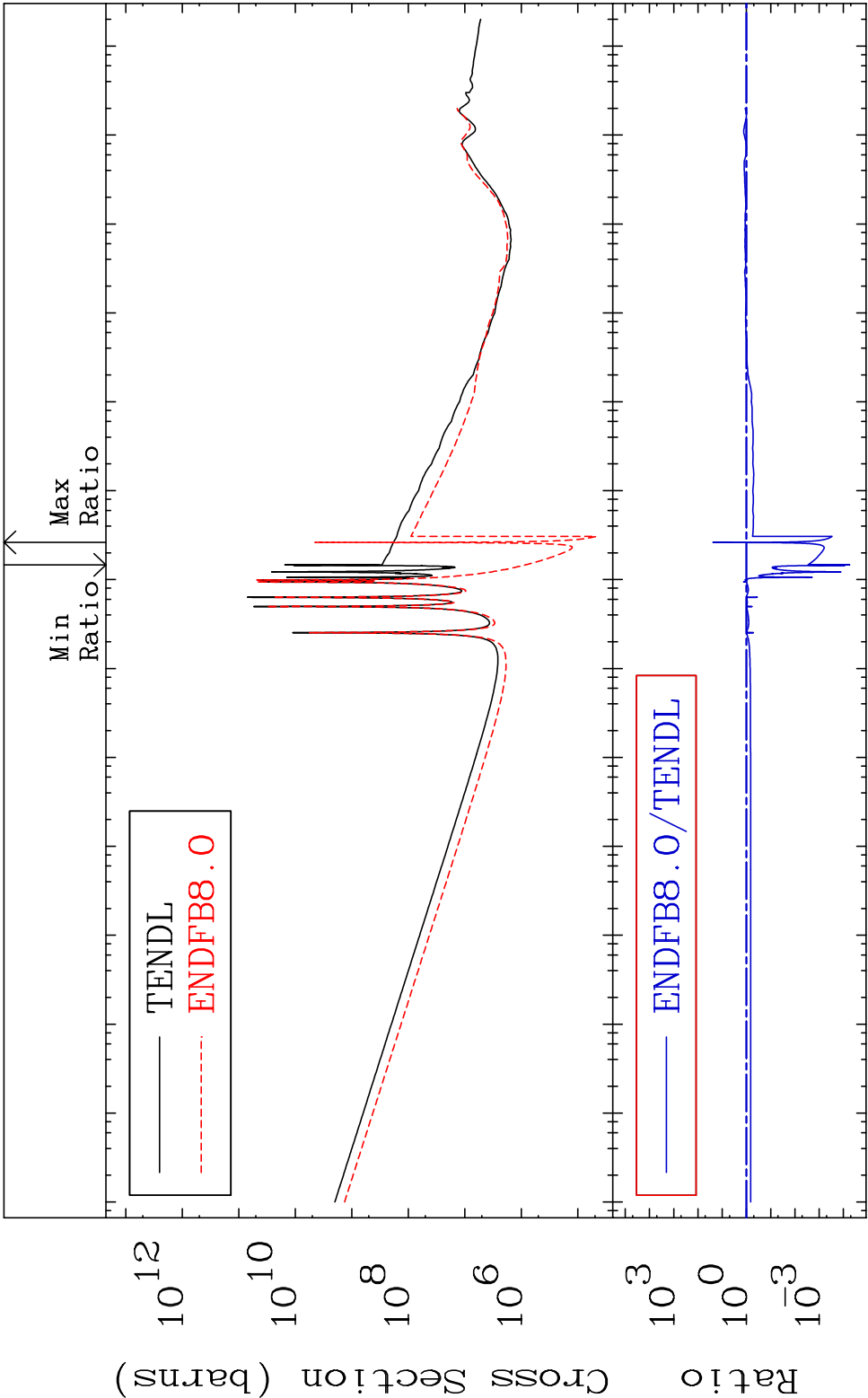
MAT 5634 Kerma capture (mt102) 56-Ba-133
Cross Section -99.99 To 2565. %



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

38 Incident Energy (eV) 56-Ba-133

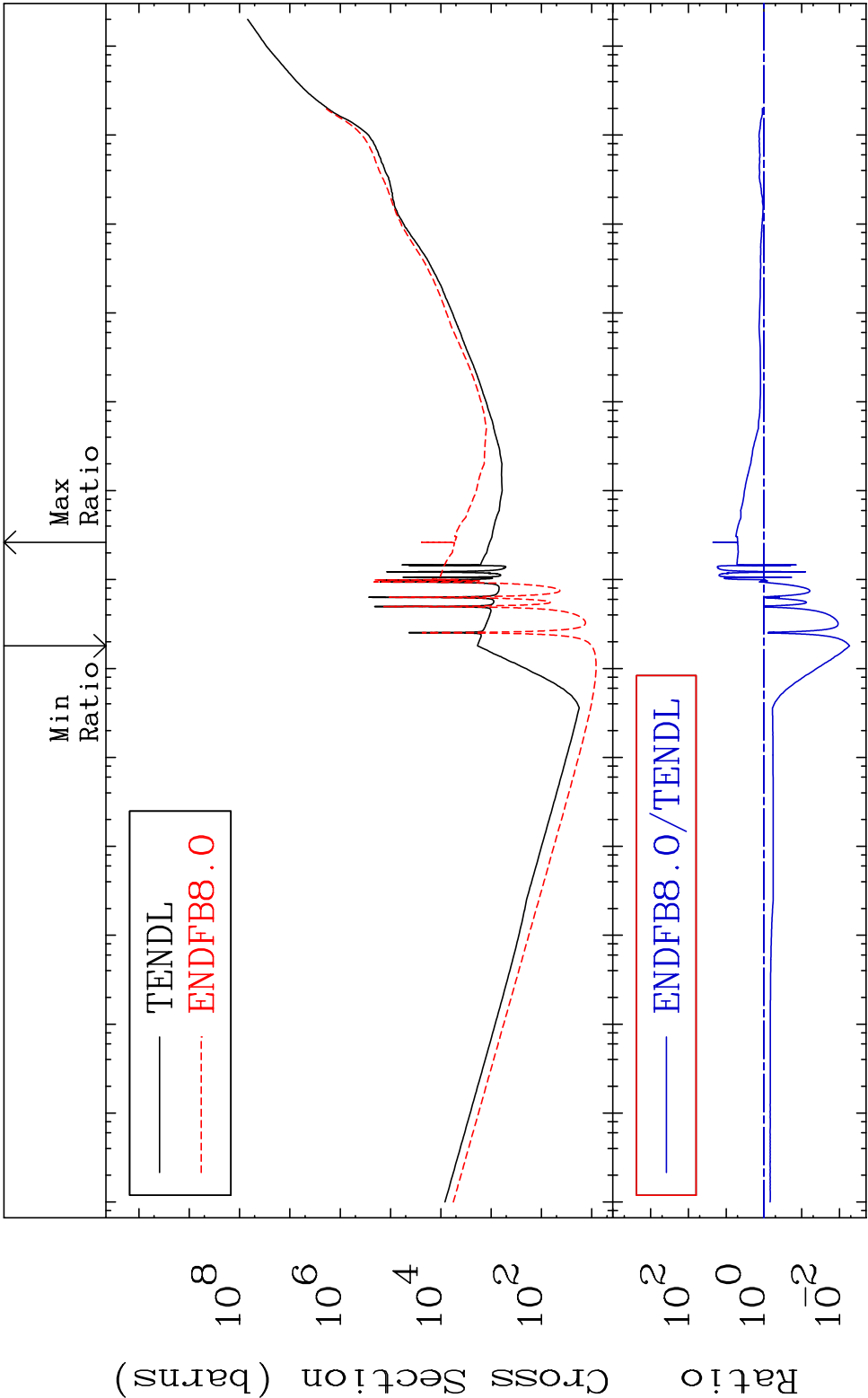
MAT 5634 Total photon (eV-barns) 56-Ba-133
Cross Section -99.99 To 2341. %



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

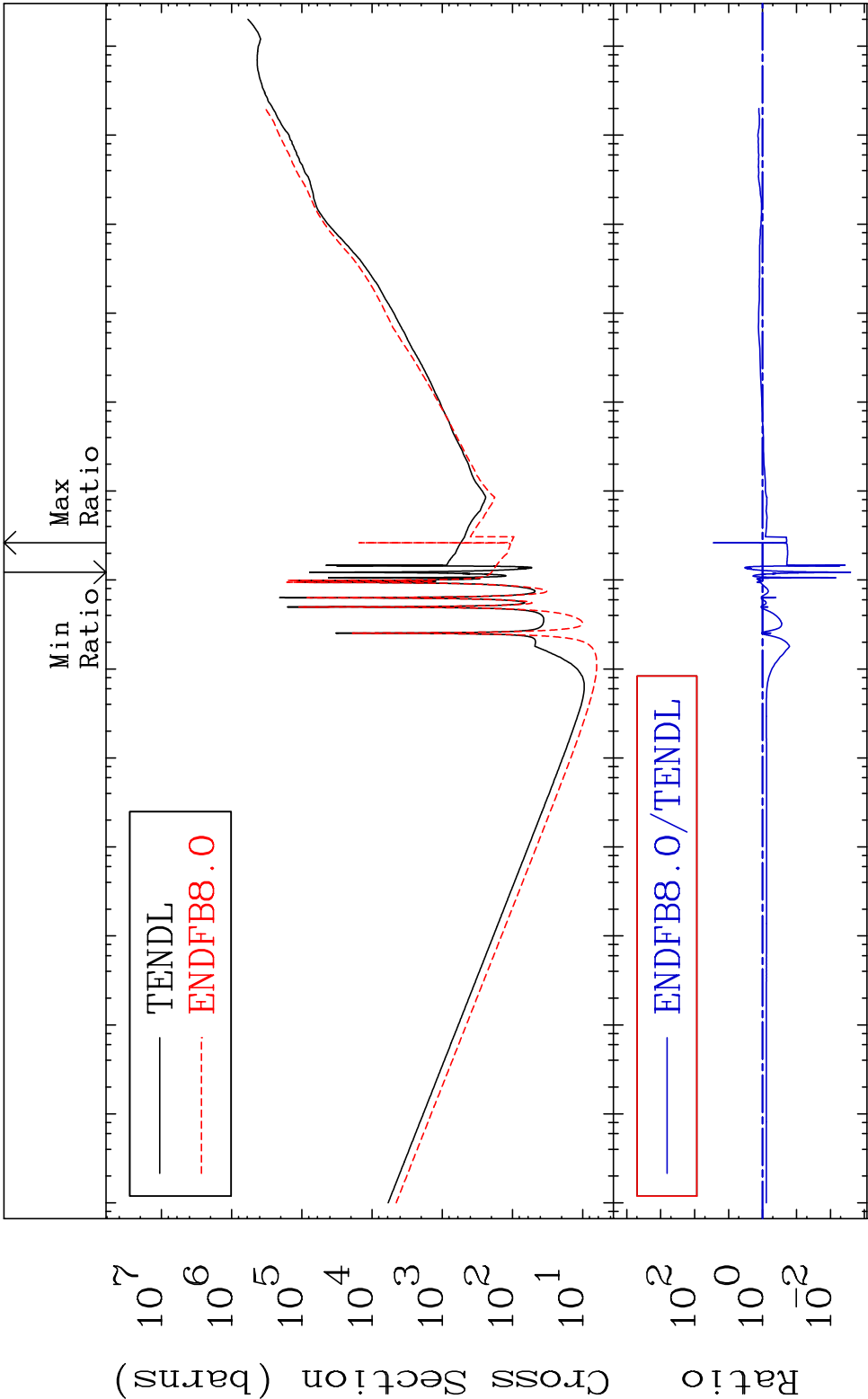
39 Incident Energy (eV) 56-Ba-133

MAT 5634 Total kinematic kerma (high limit) 56-Ba-133
Cross Section -99.46 To 2156. %



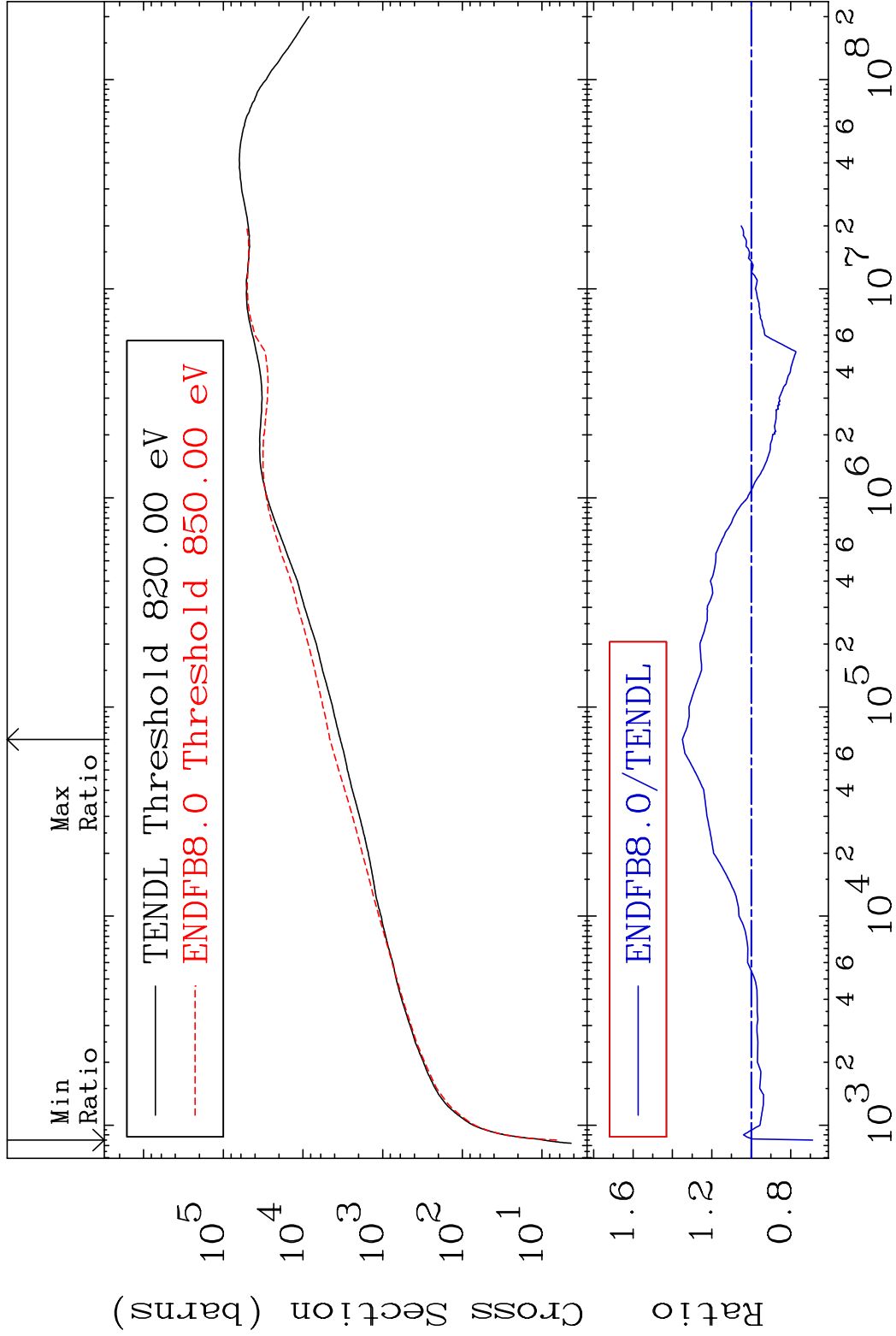
40 Incident Energy (eV) 56-Ba-133

MAT 5634 Dpa total (eV-barns) 56-Ba-133
Cross Section -99.74 To 2677. %

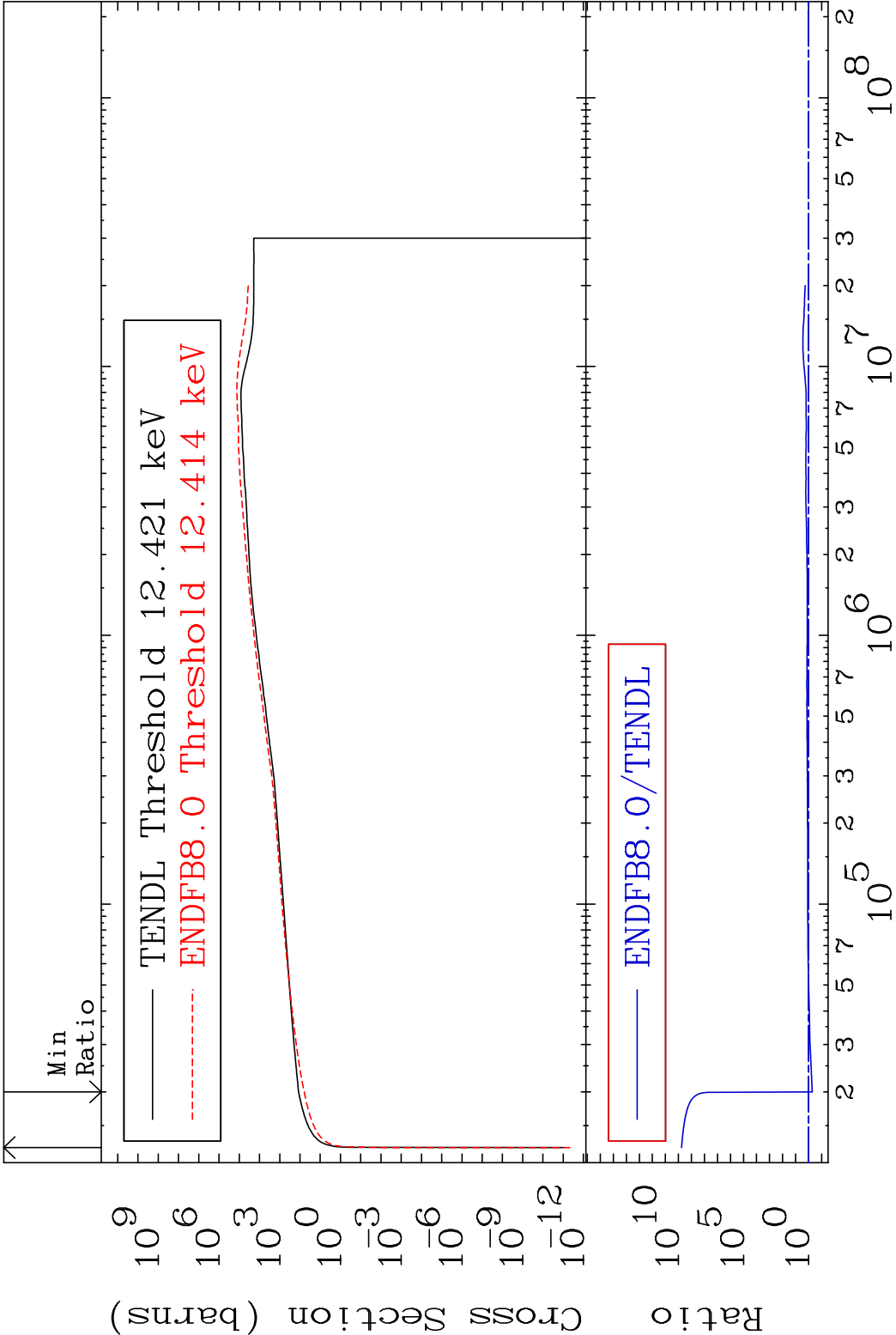


41 Incident Energy (eV) 56-Ba-133

MAT 5634 Dpa elastic (mt2) 56-Ba-133
Cross Section -31.15 To 34.98 %



42 Incident Energy (eV) 56-Ba-133



MAT 5634 Dpa disappearance (mt102 -120) 56-Ba-133
Cross Section -99.74 To 2677. %

