

Program Complot
(Version 2021-1)

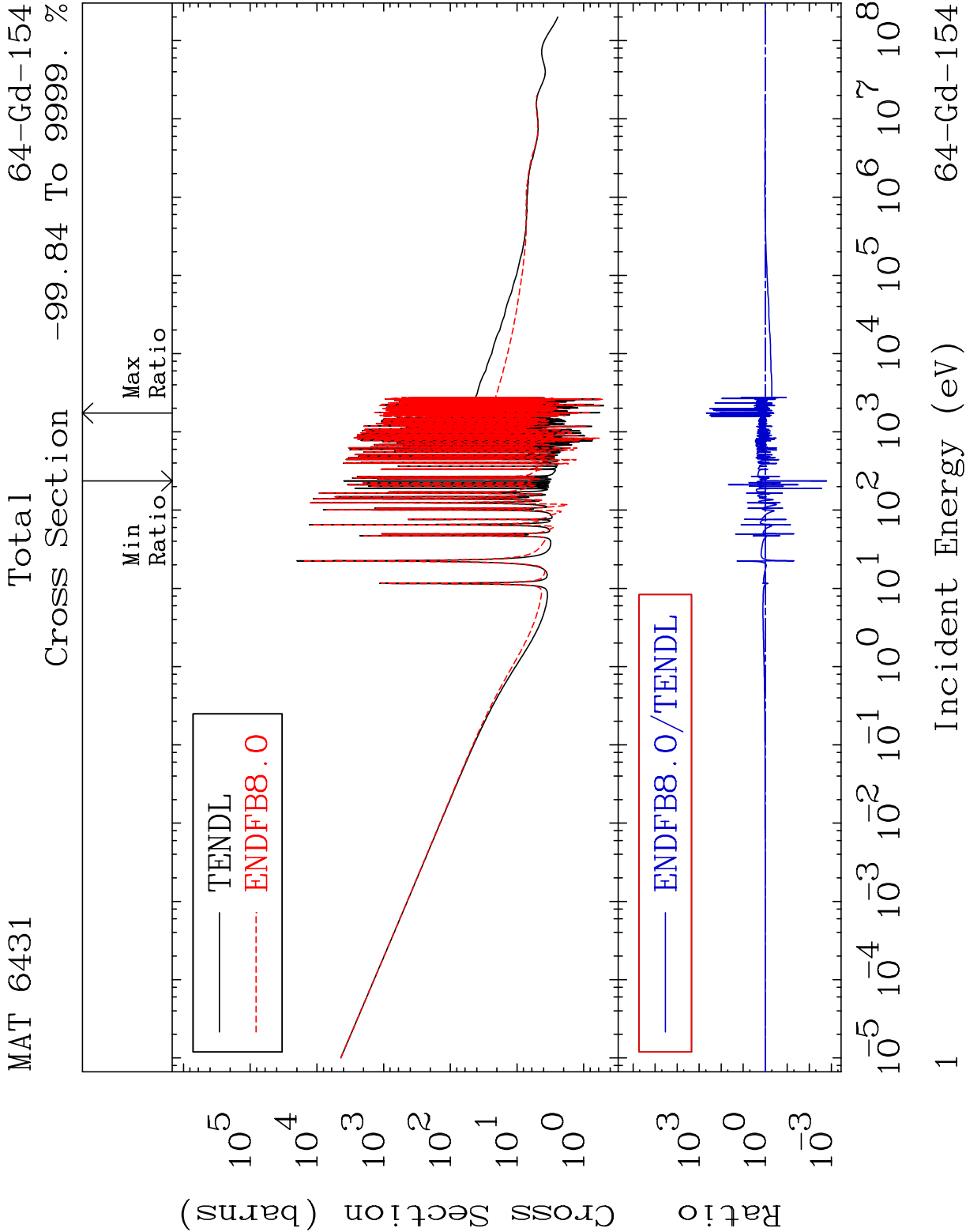
by

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

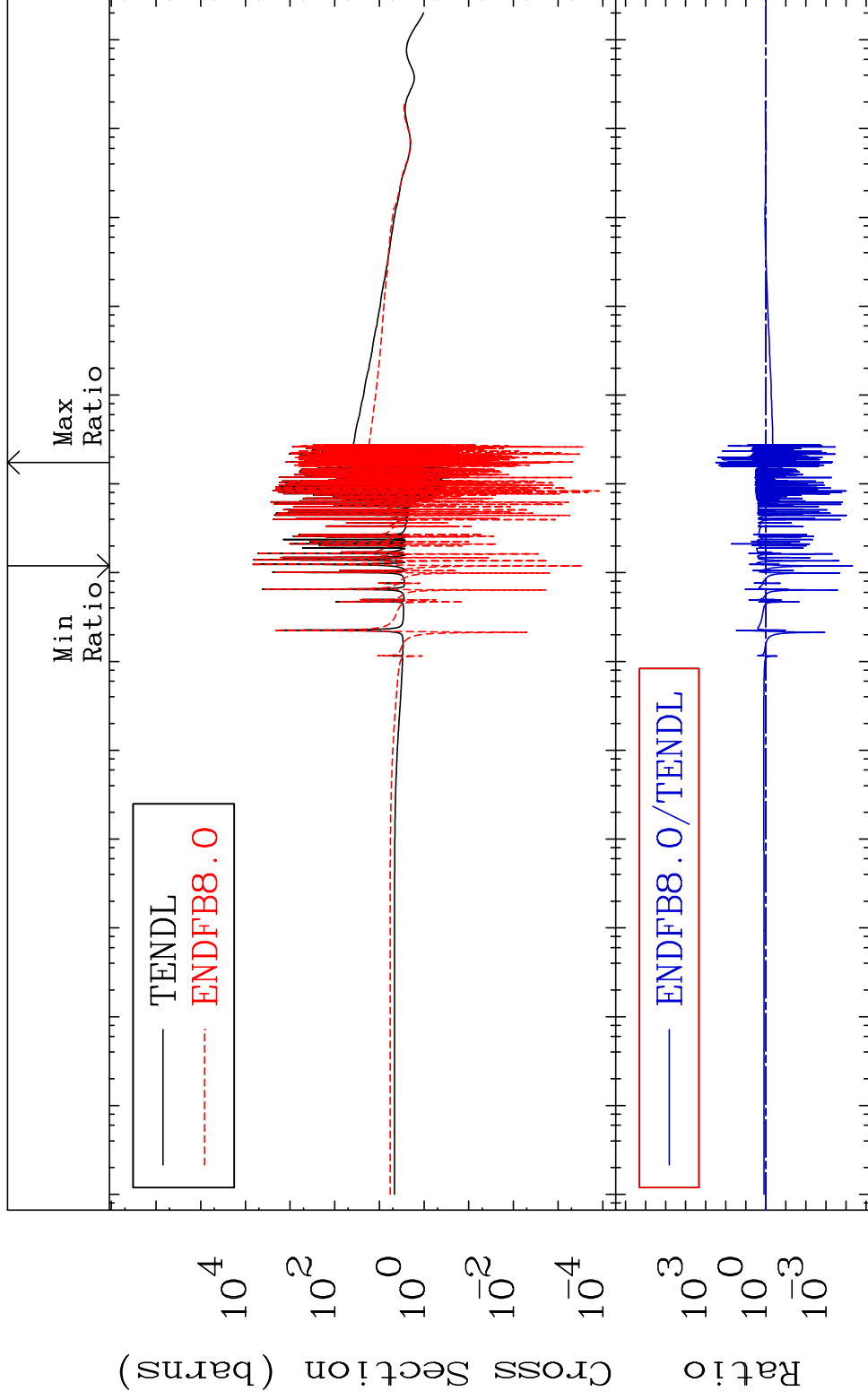


MAT 6431

Elastic

64-Gd-154

Cross Section -100.0 To 9999. %

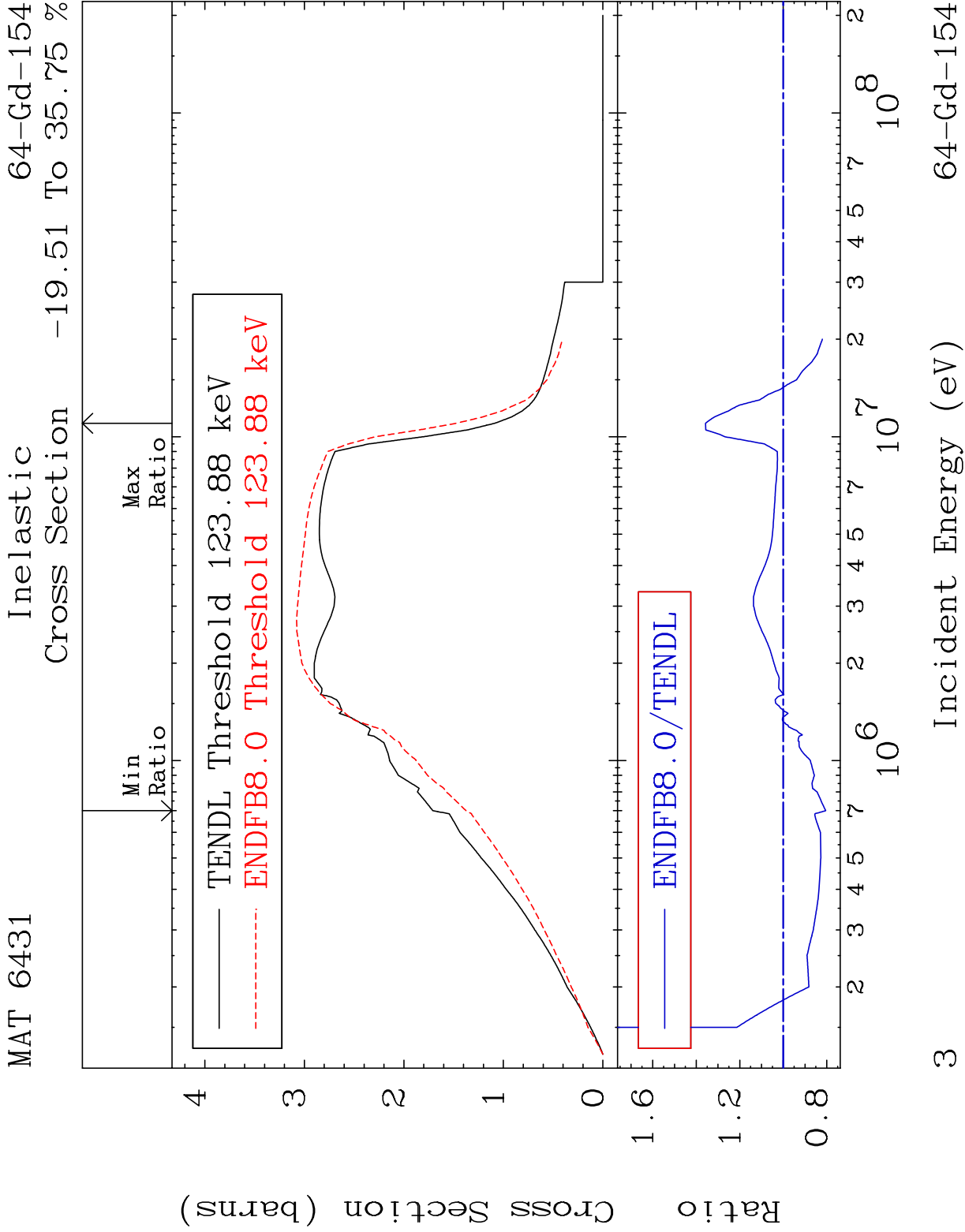


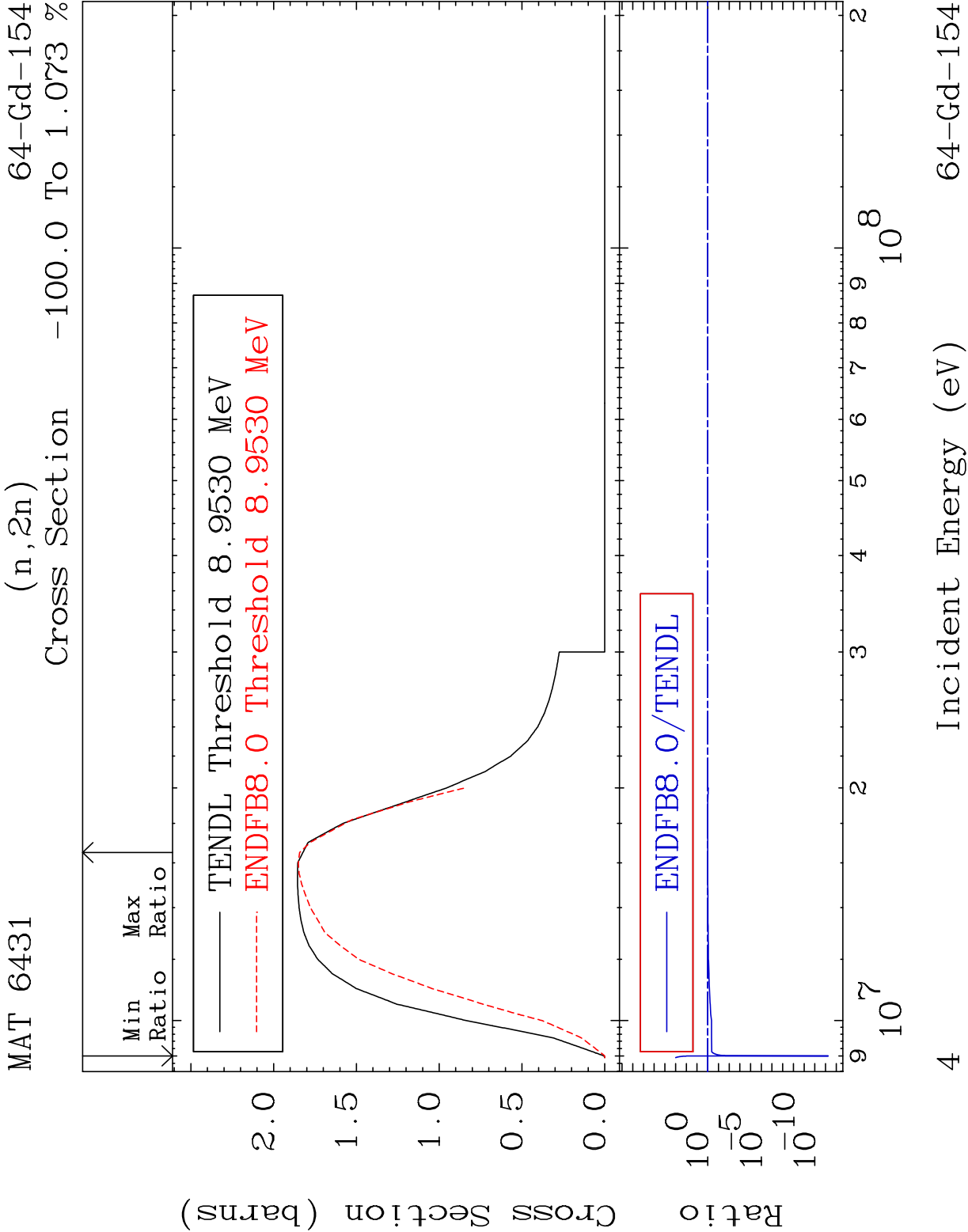
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

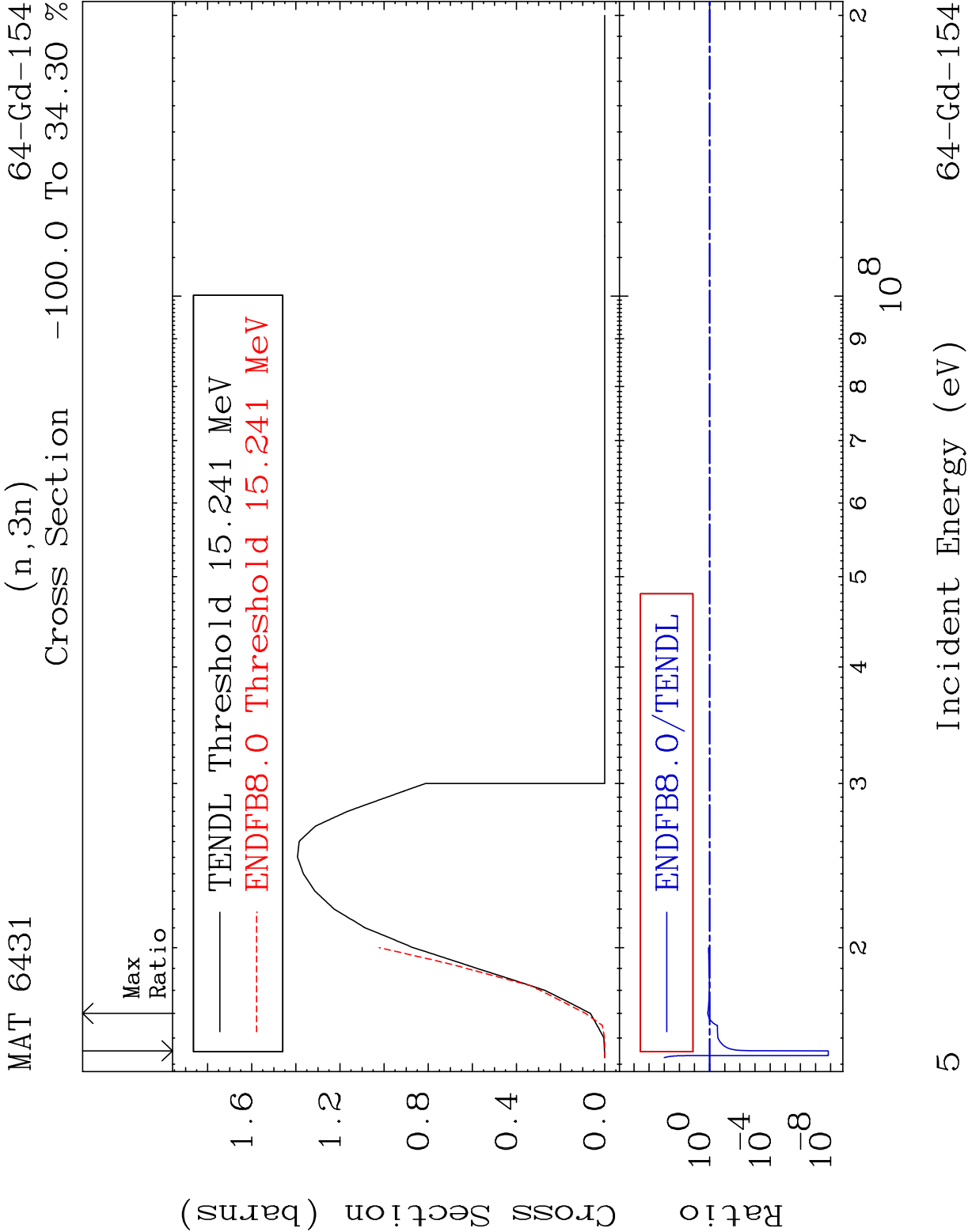
2

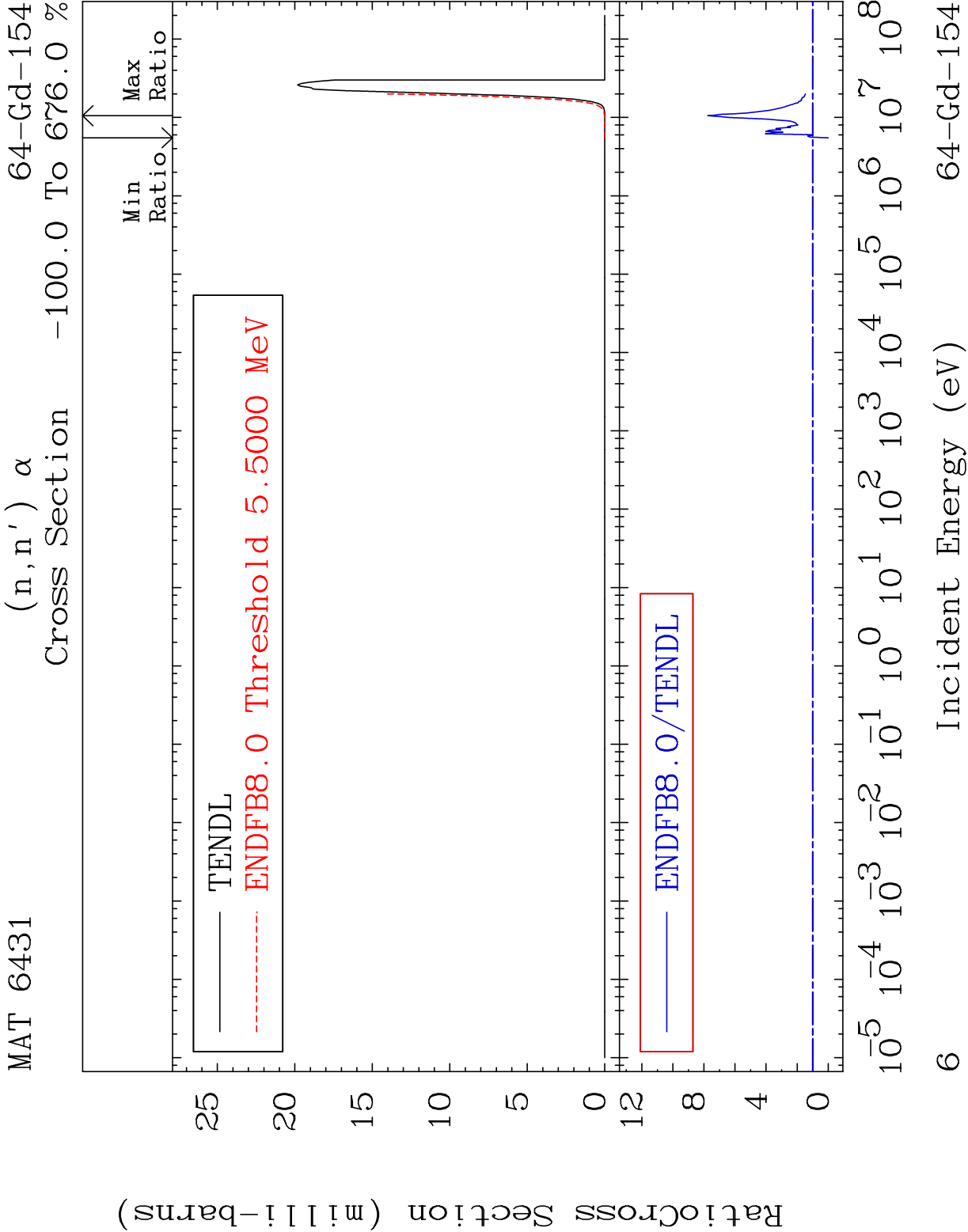
Incident Energy (eV)

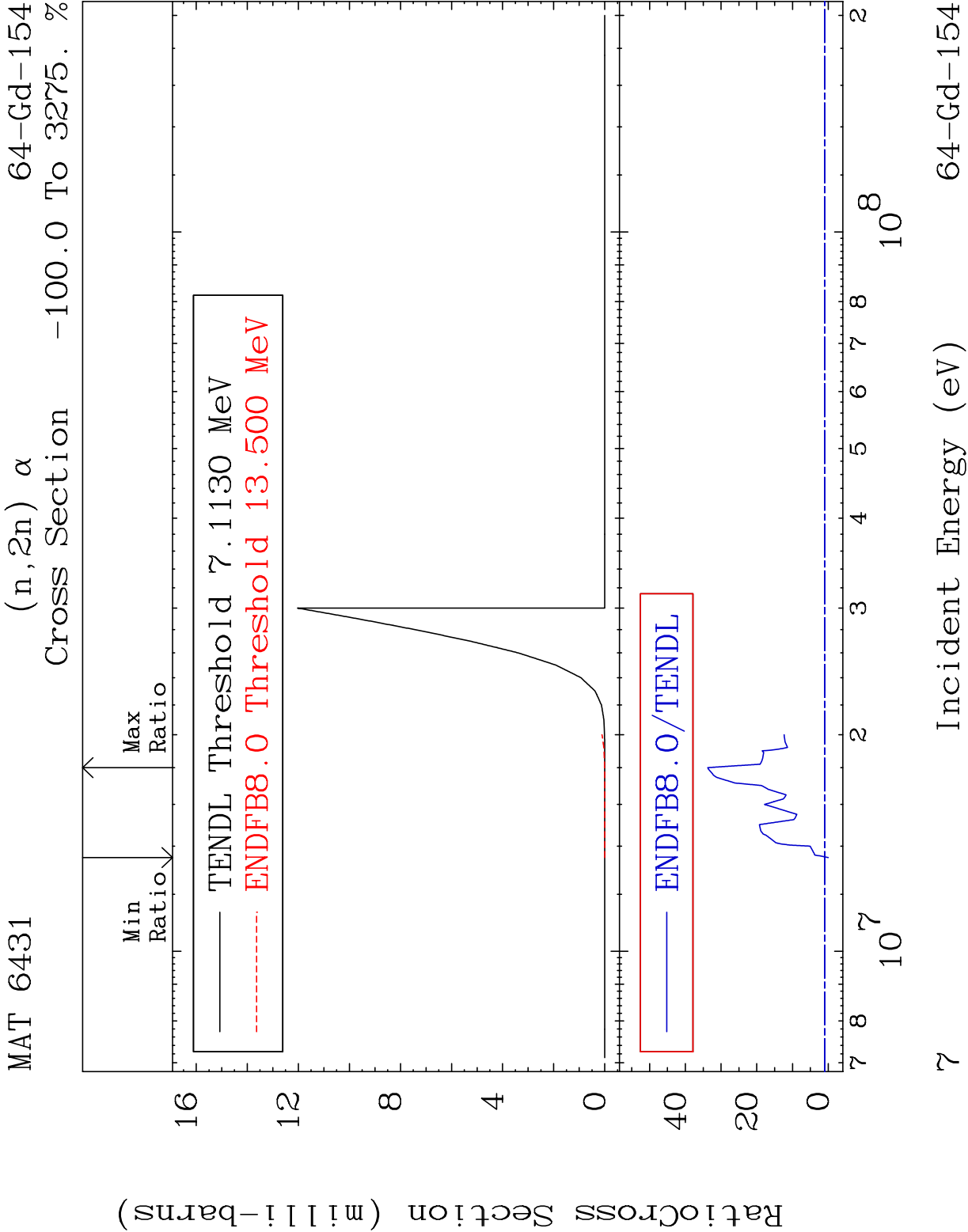
64-Gd-154

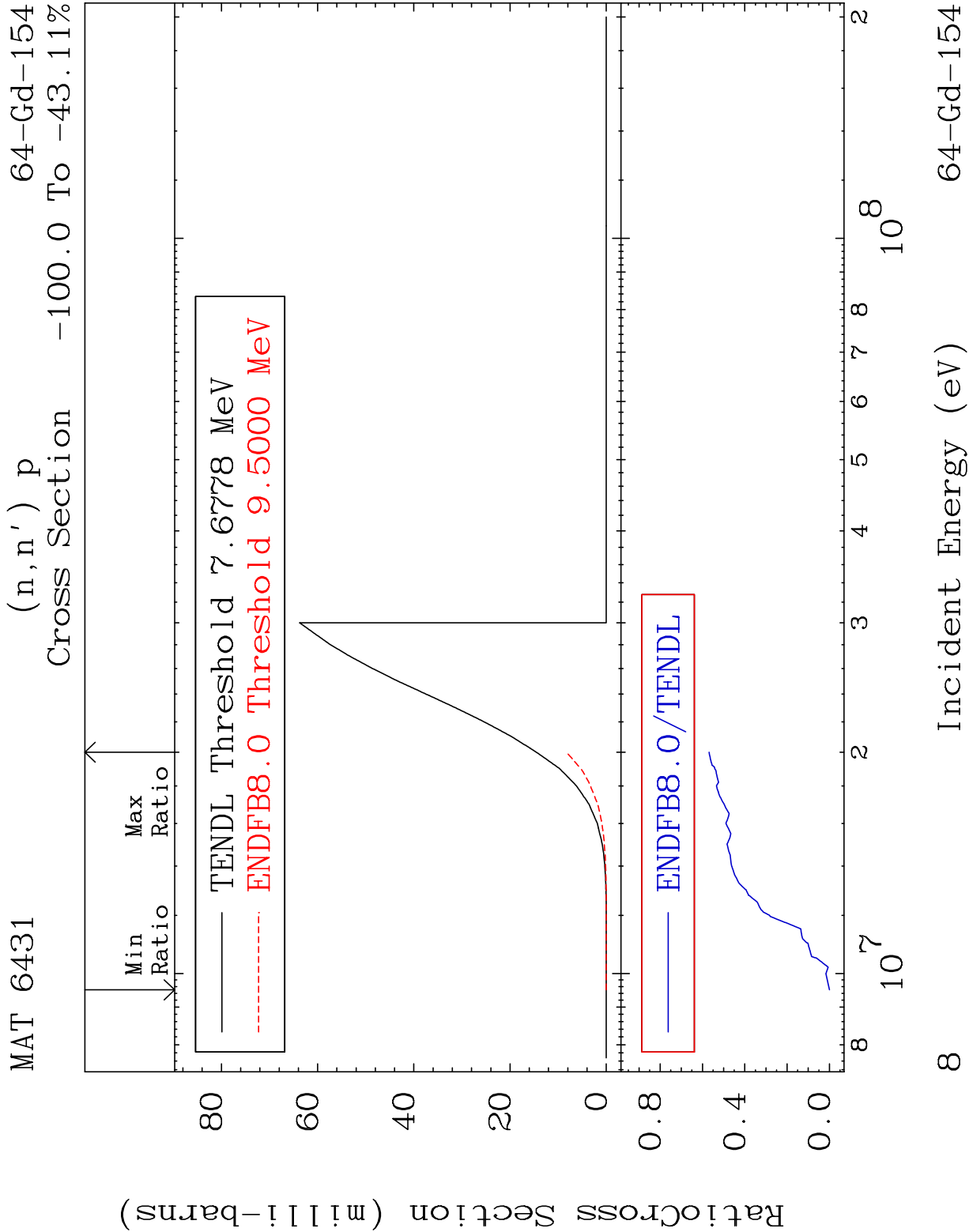


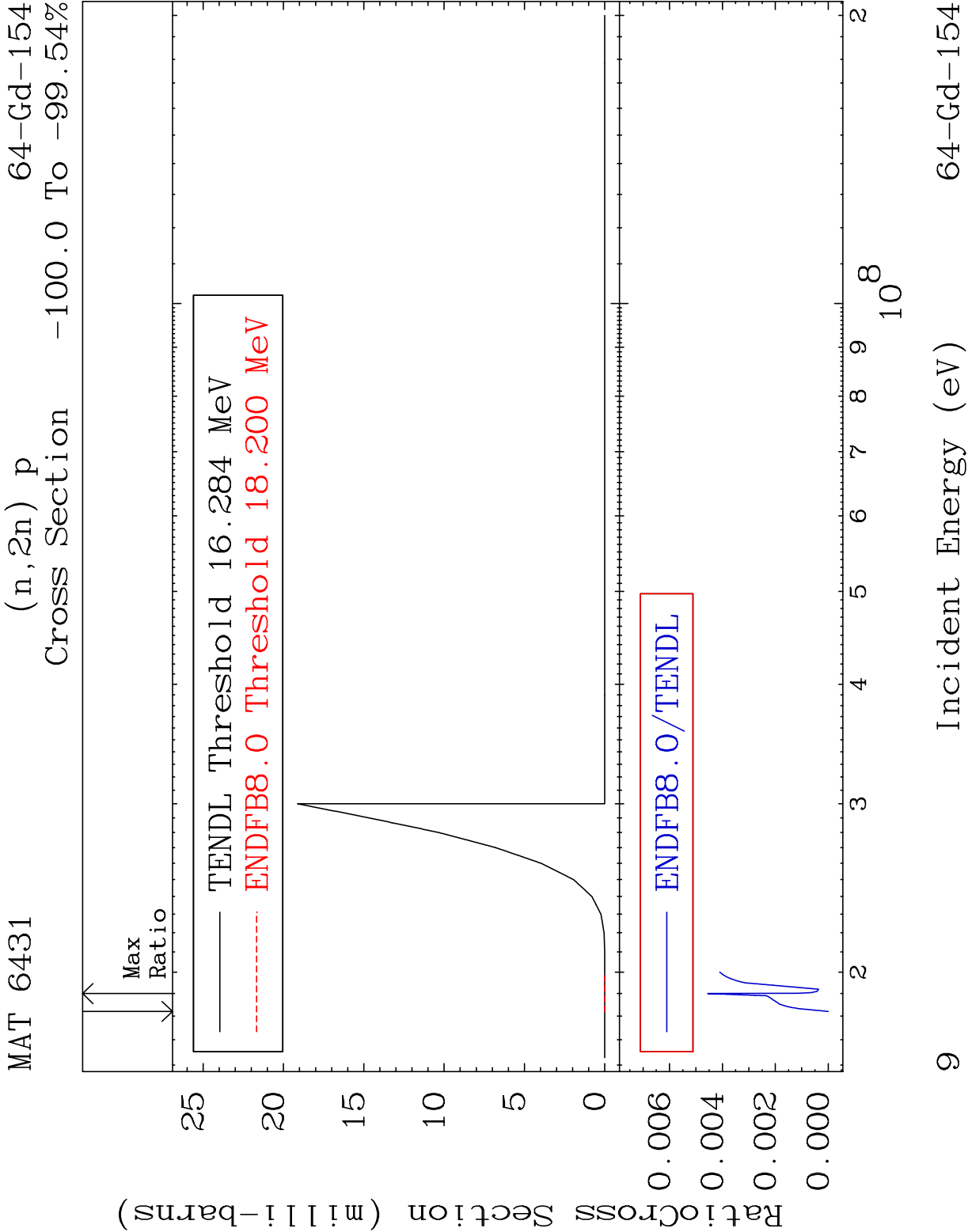




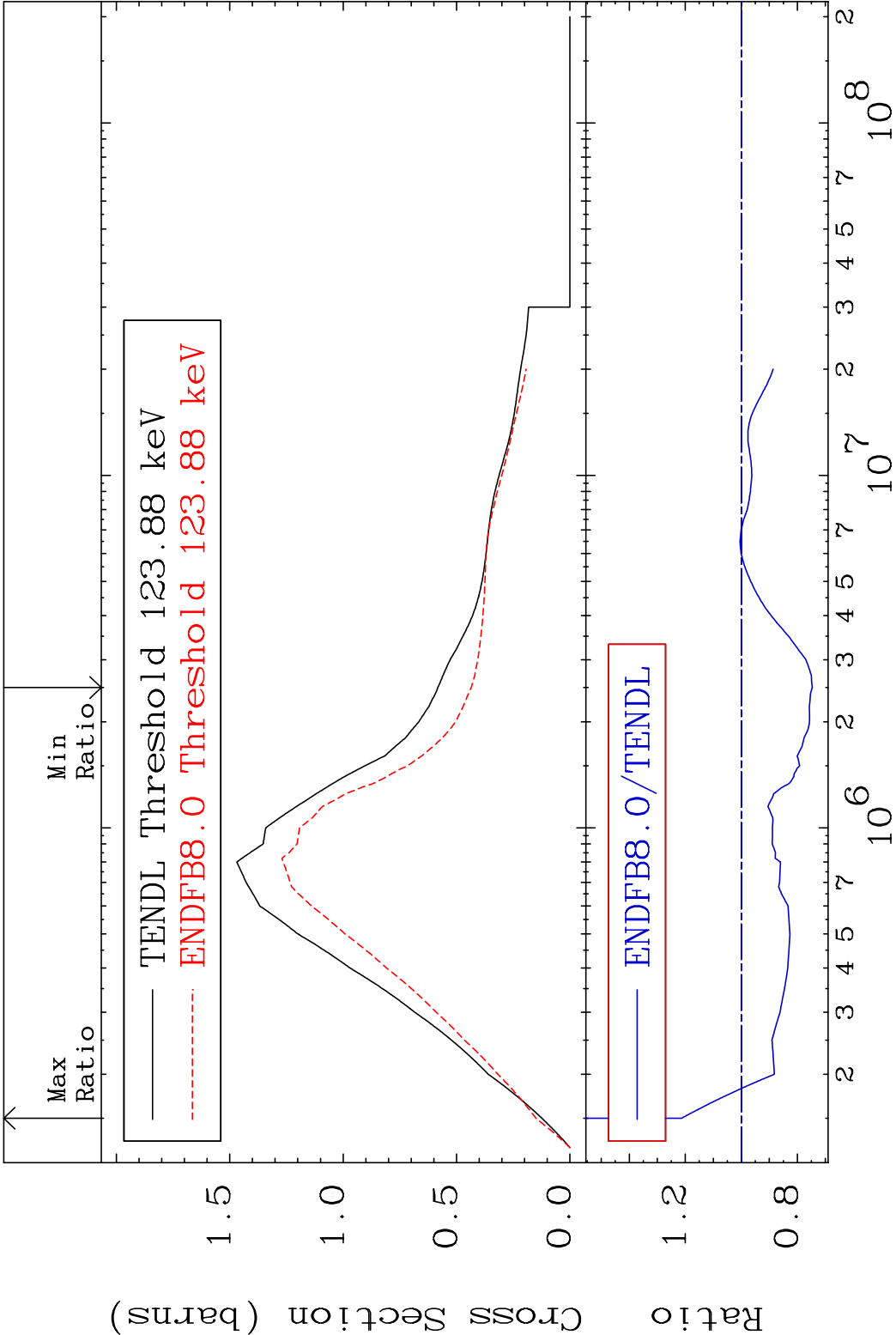






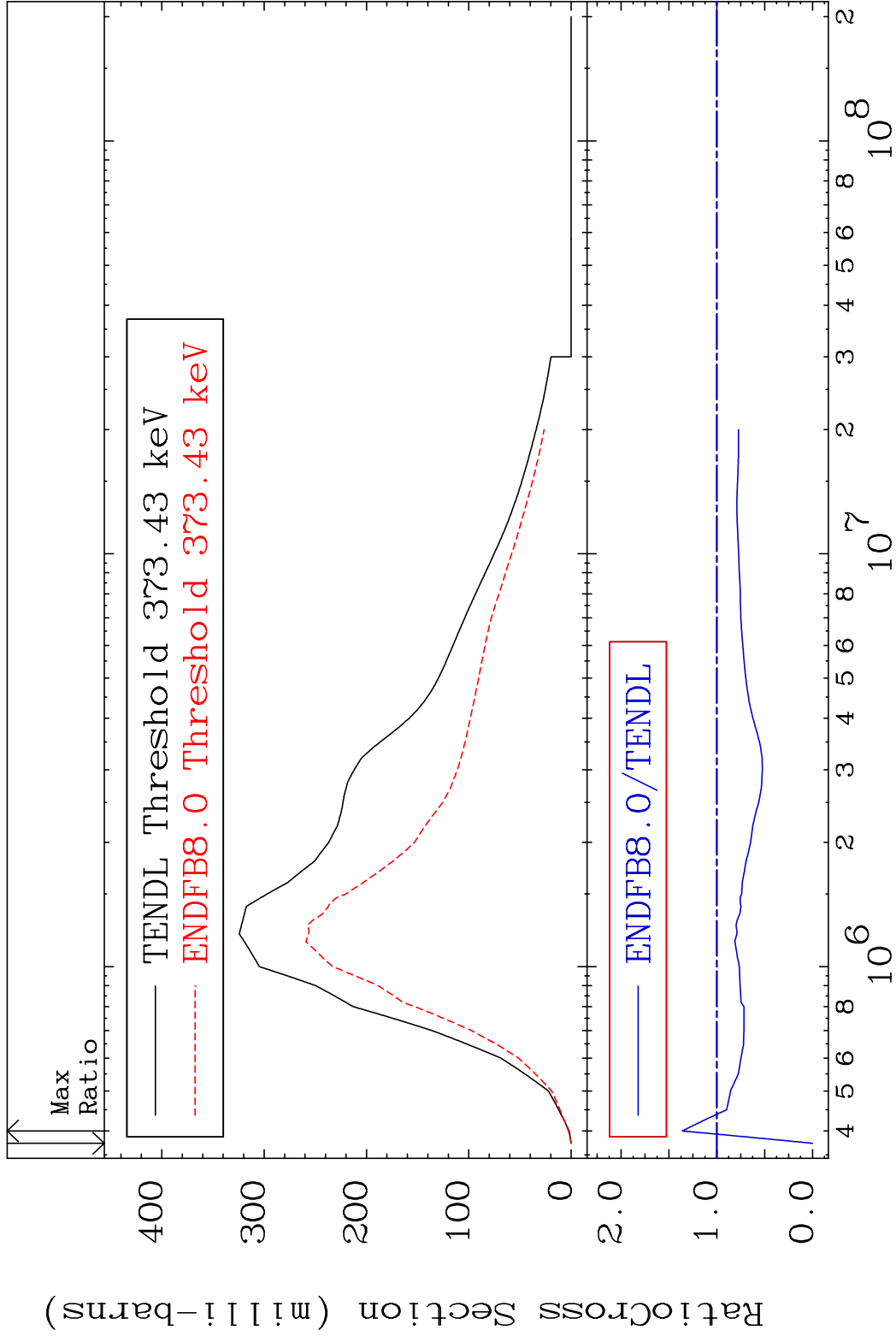


MAT 6431 MT= 51 (n,n') Level 64-Gd-154
Cross Section -25.32 To 21.34 %



10 Incident Energy (eV) 64-Gd-154

MAT 6431 MT= 52 (n,n') Level 64-Gd-154
Cross Section -100.0 To 36.01 %



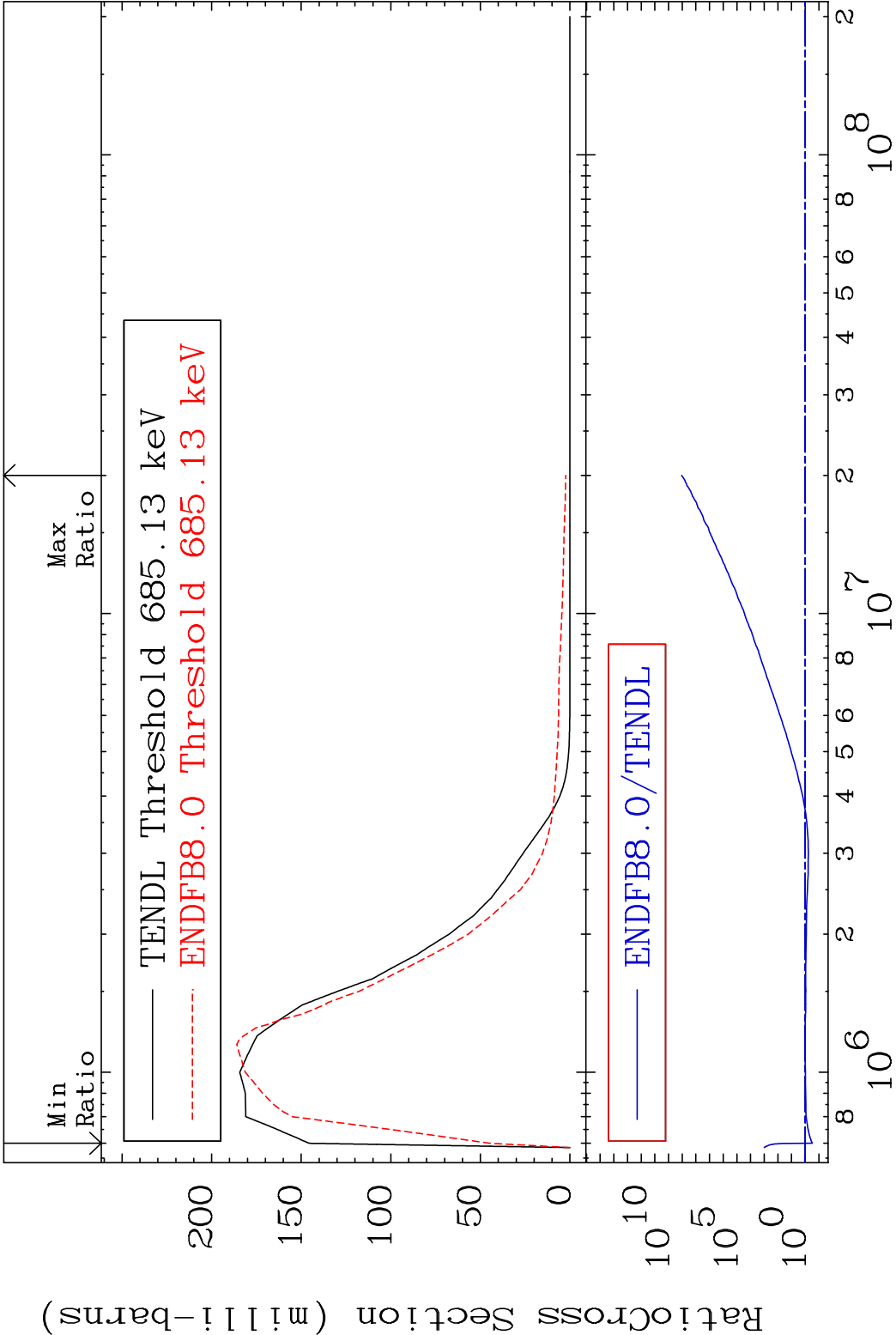
MAT 6431

MT= 53 (n,n') Level

64-Gd-154

Cross Section

-69.31 To 9999. %



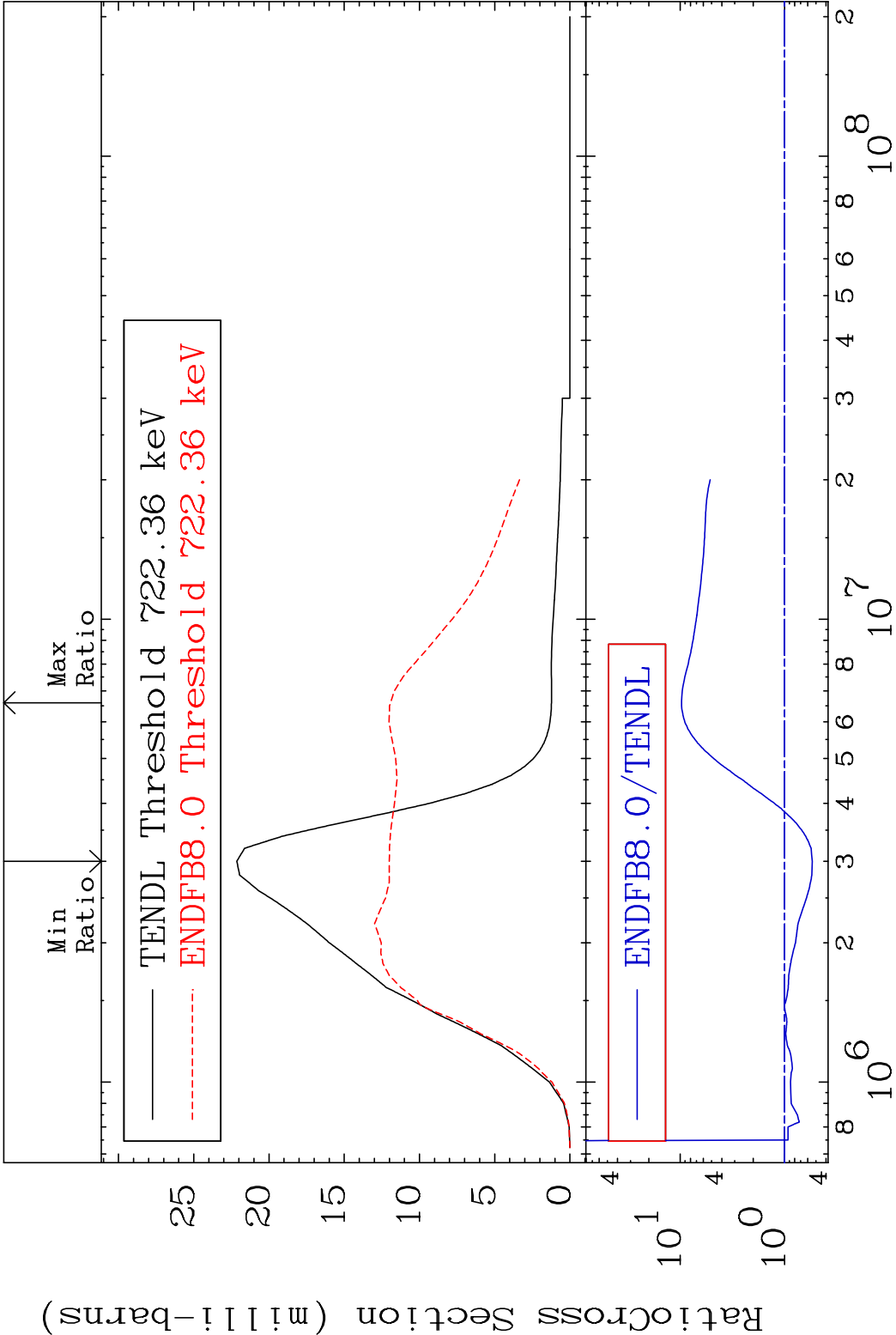
MAT 6431

MT= 54 (n,n') Level

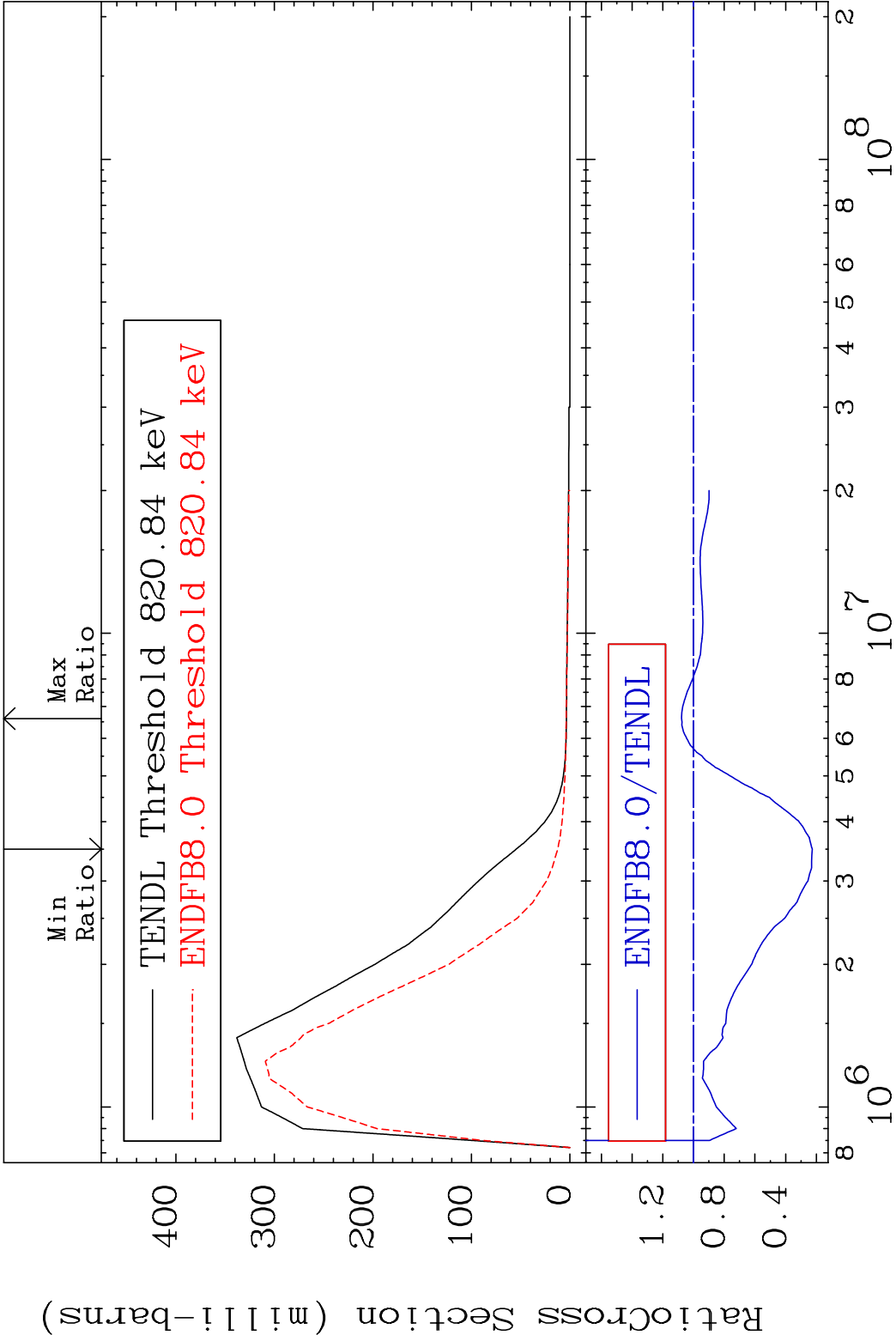
64-Gd-154

Cross Section

-45.78 To 873.0 %

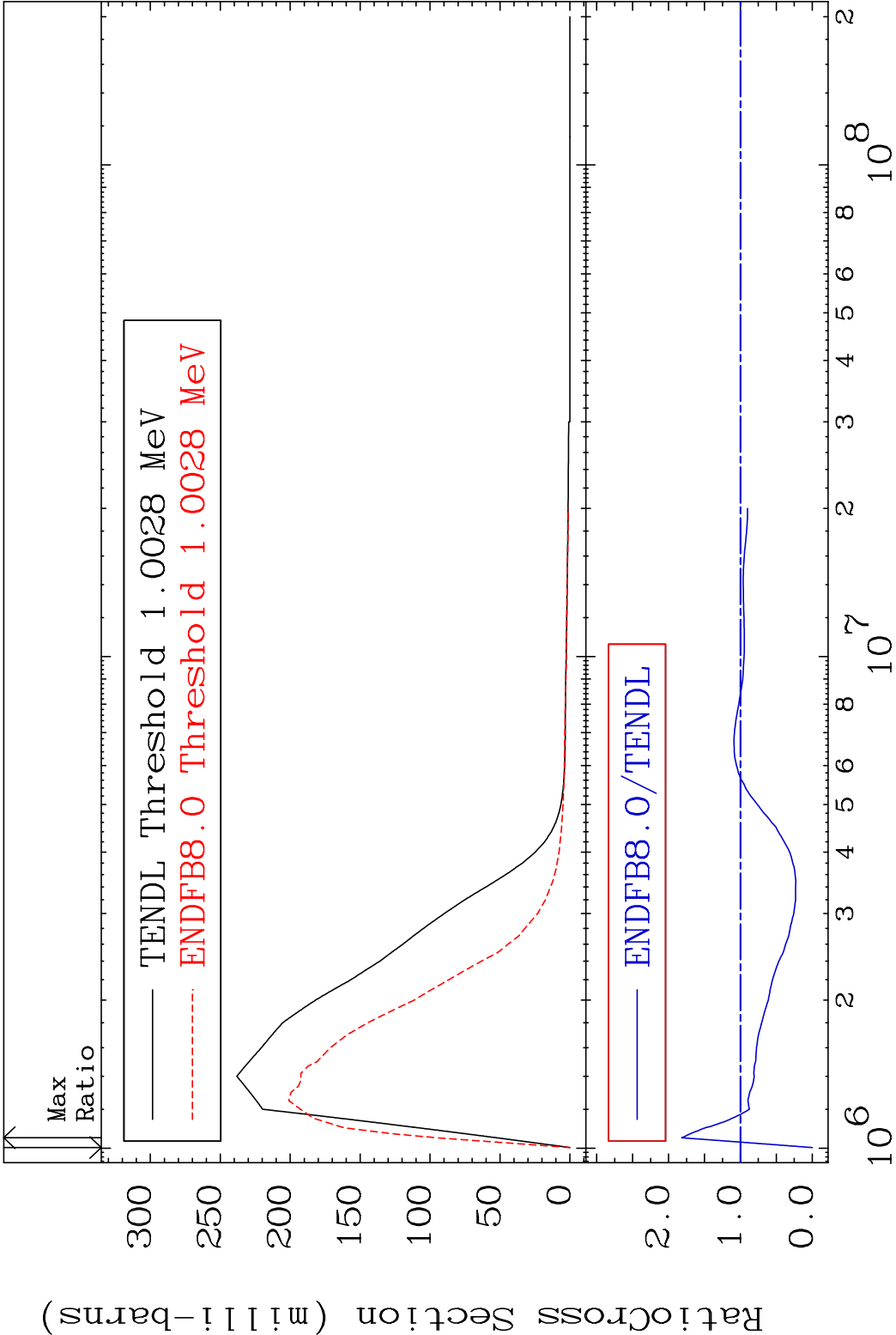


MAT 6431 MT= 55 (n,n') Level 64-Gd-154
Cross Section -77.32 To 7.787 %

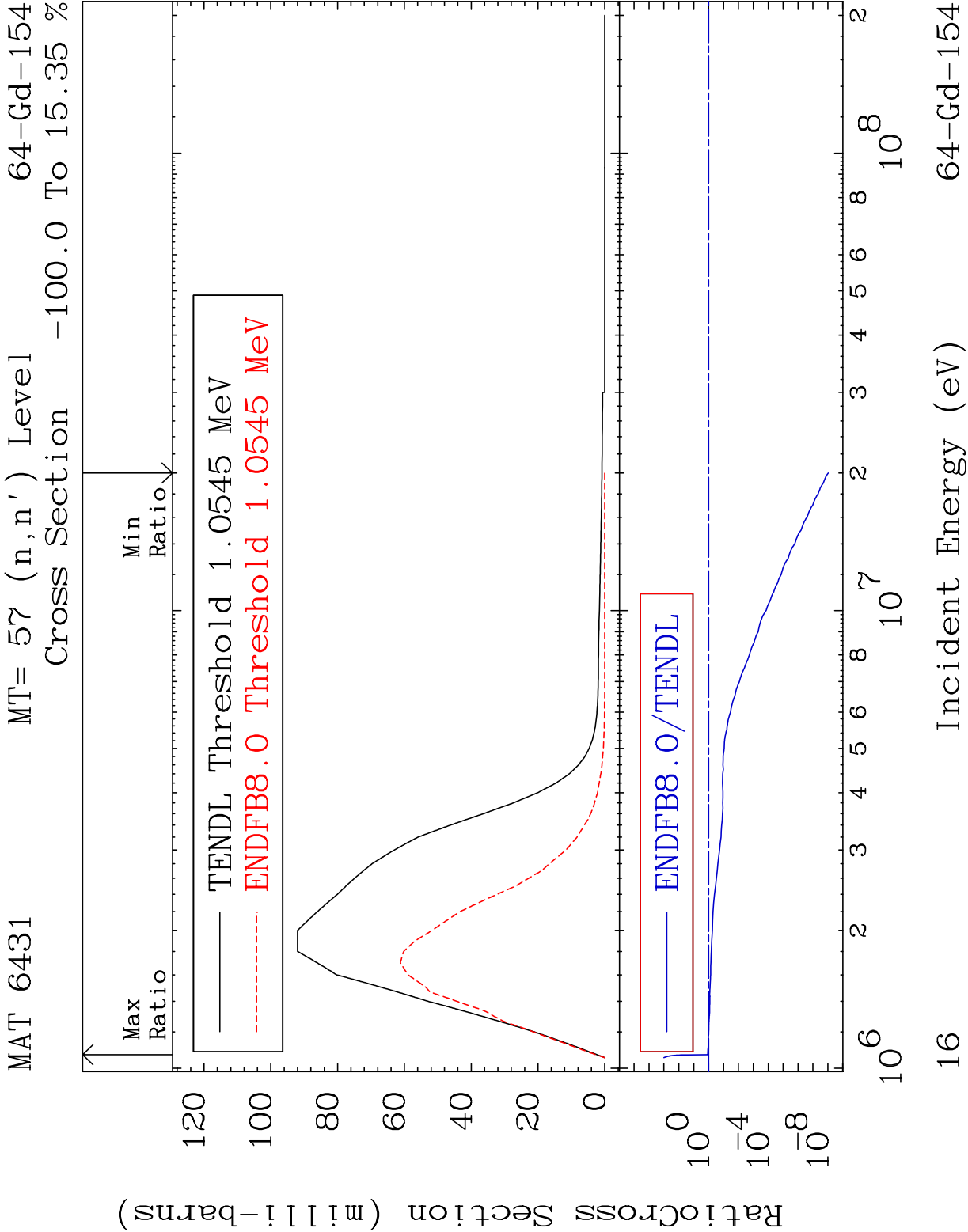


14 Incident Energy (eV) 64-Gd-154

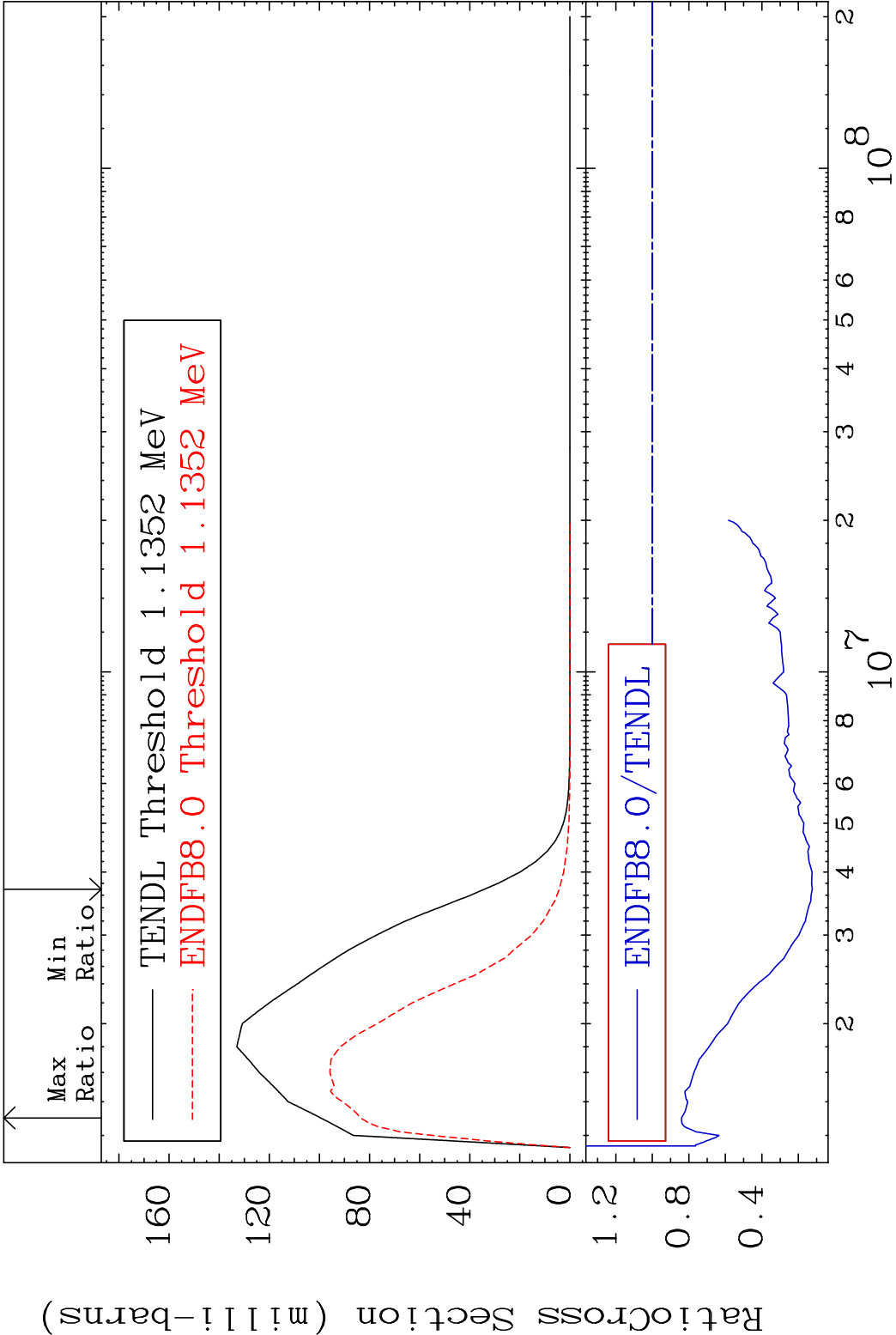
MAT 6431 MT= 56 (n,n') Level 64-Gd-154
Cross Section -100.0 To 81.96 %

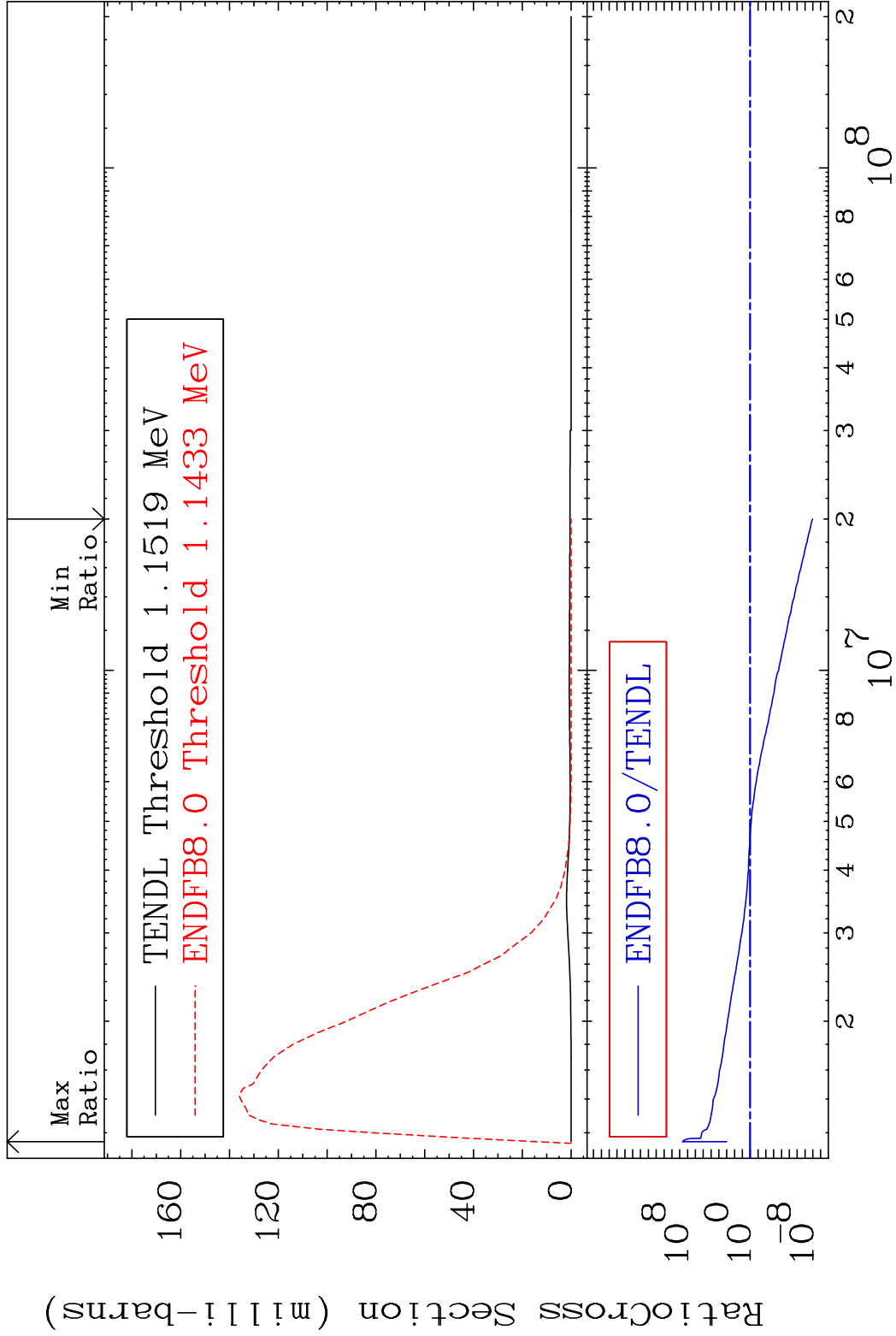


15 Incident Energy (eV) 64-Gd-154



MAT 6431 MT= 58 (n,n') Level 64-Gd-154
Cross Section -87.56 To -15.97%





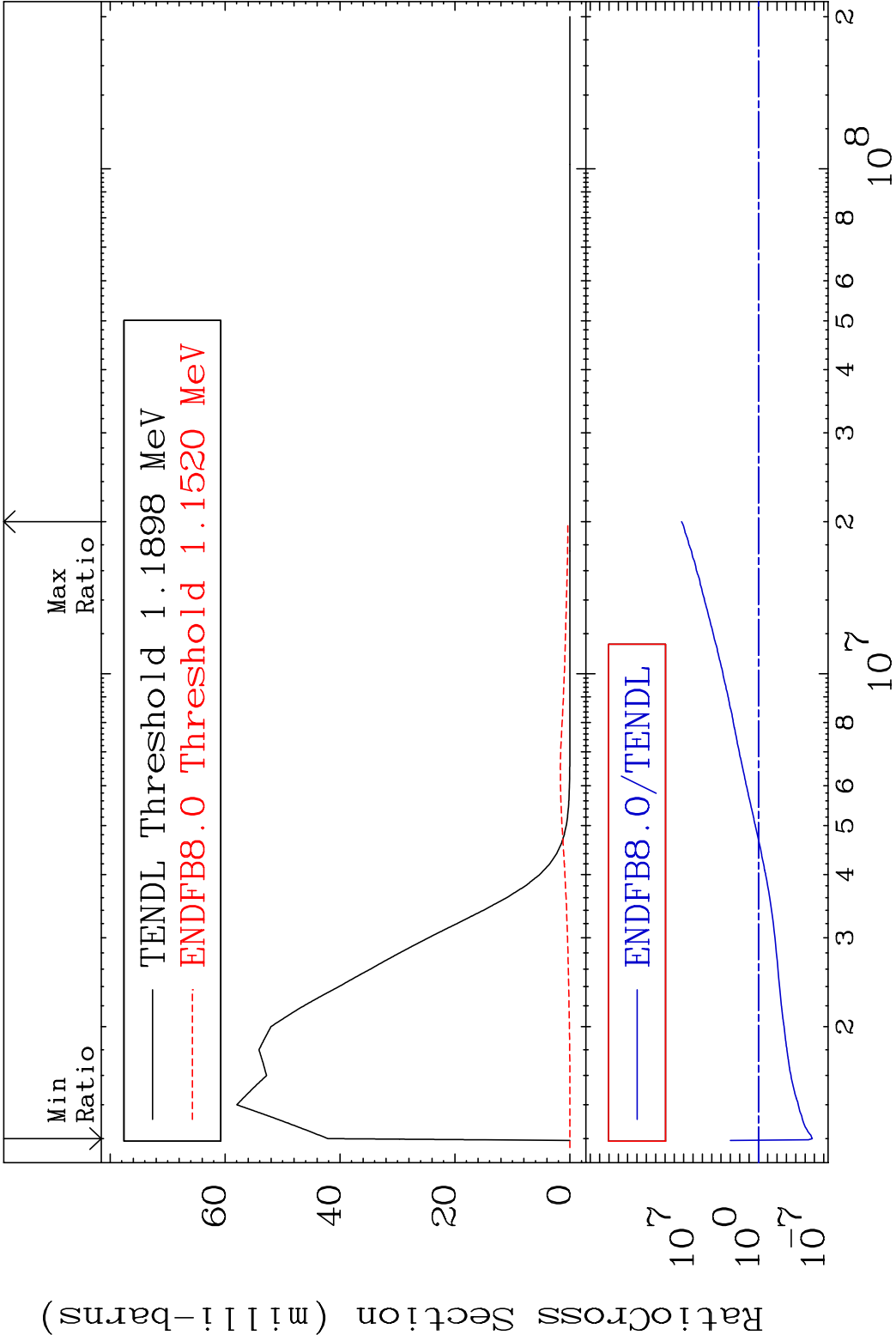
MAT 6431

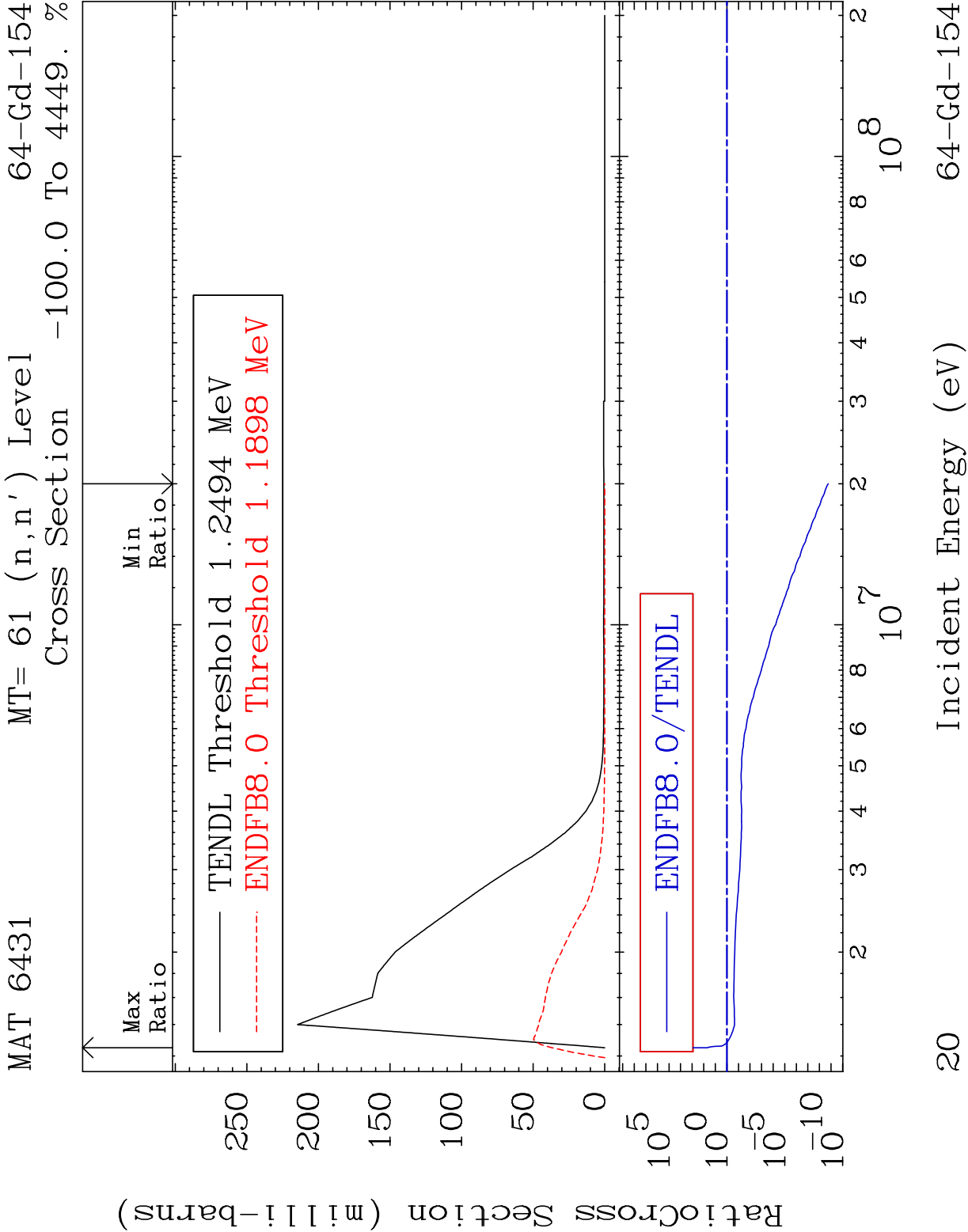
MT= 60 (n,n') Level

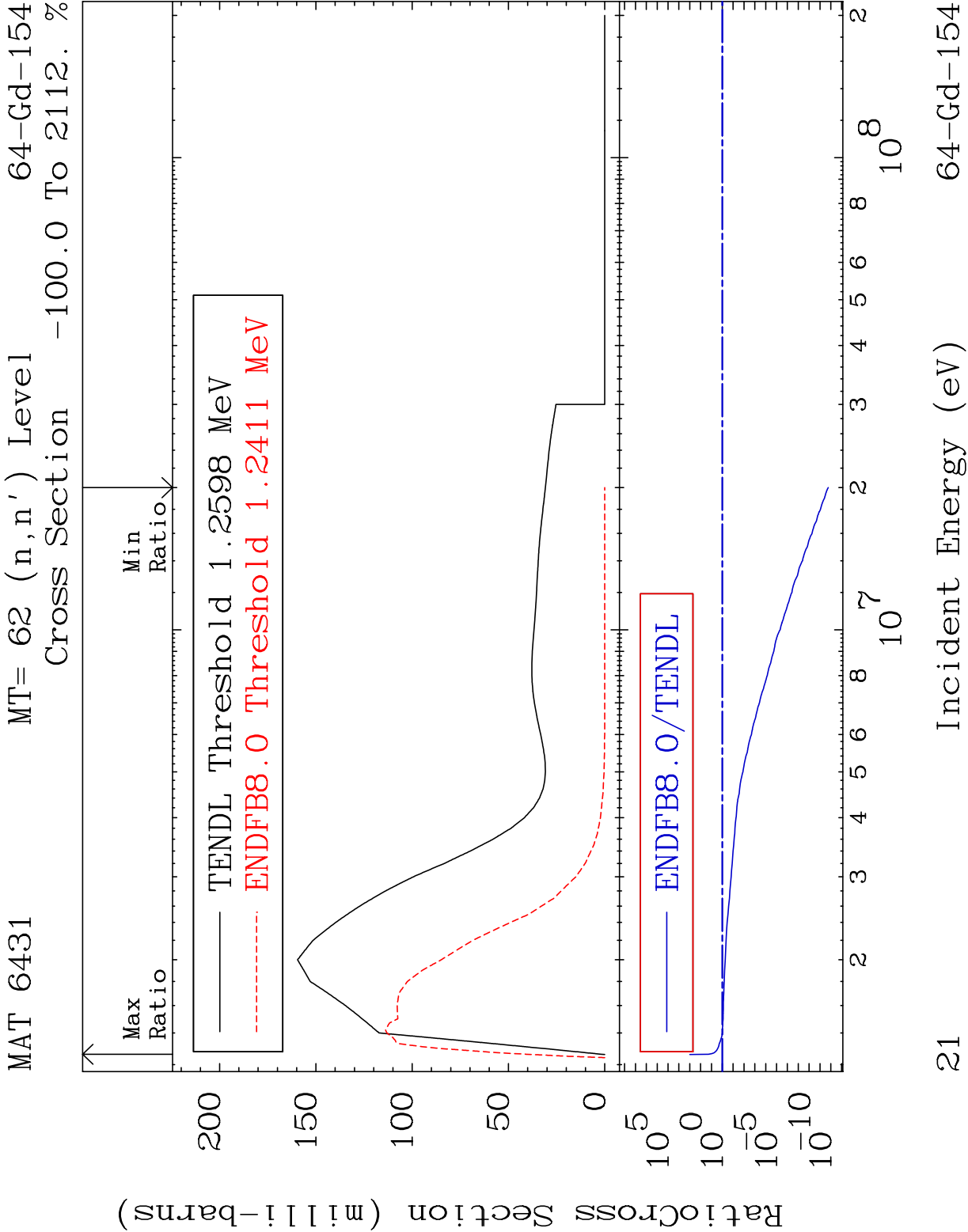
64-Gd-154

Cross Section

-100.0 To 9999. %







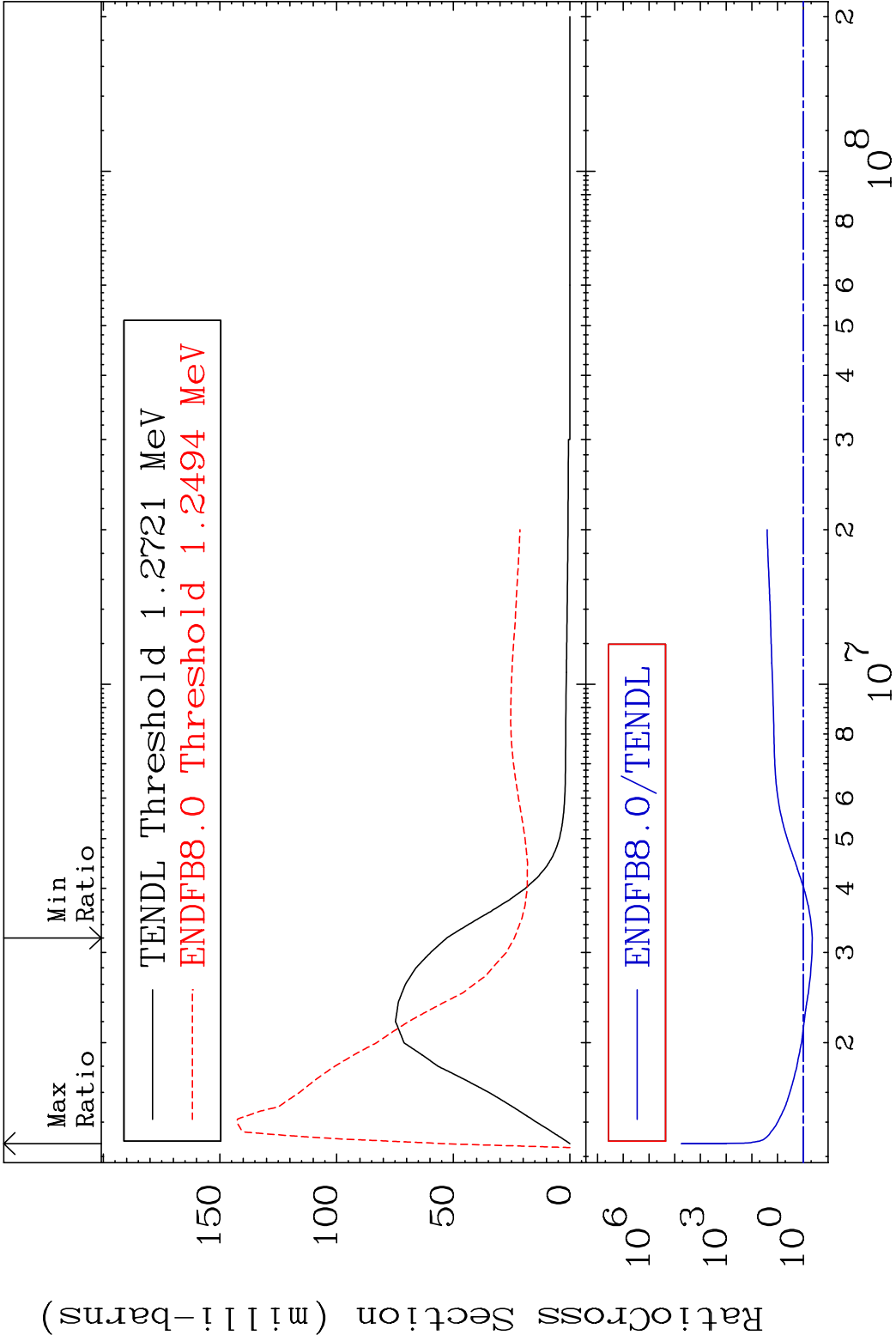
MAT 6431

MT= 63 (n,n') Level

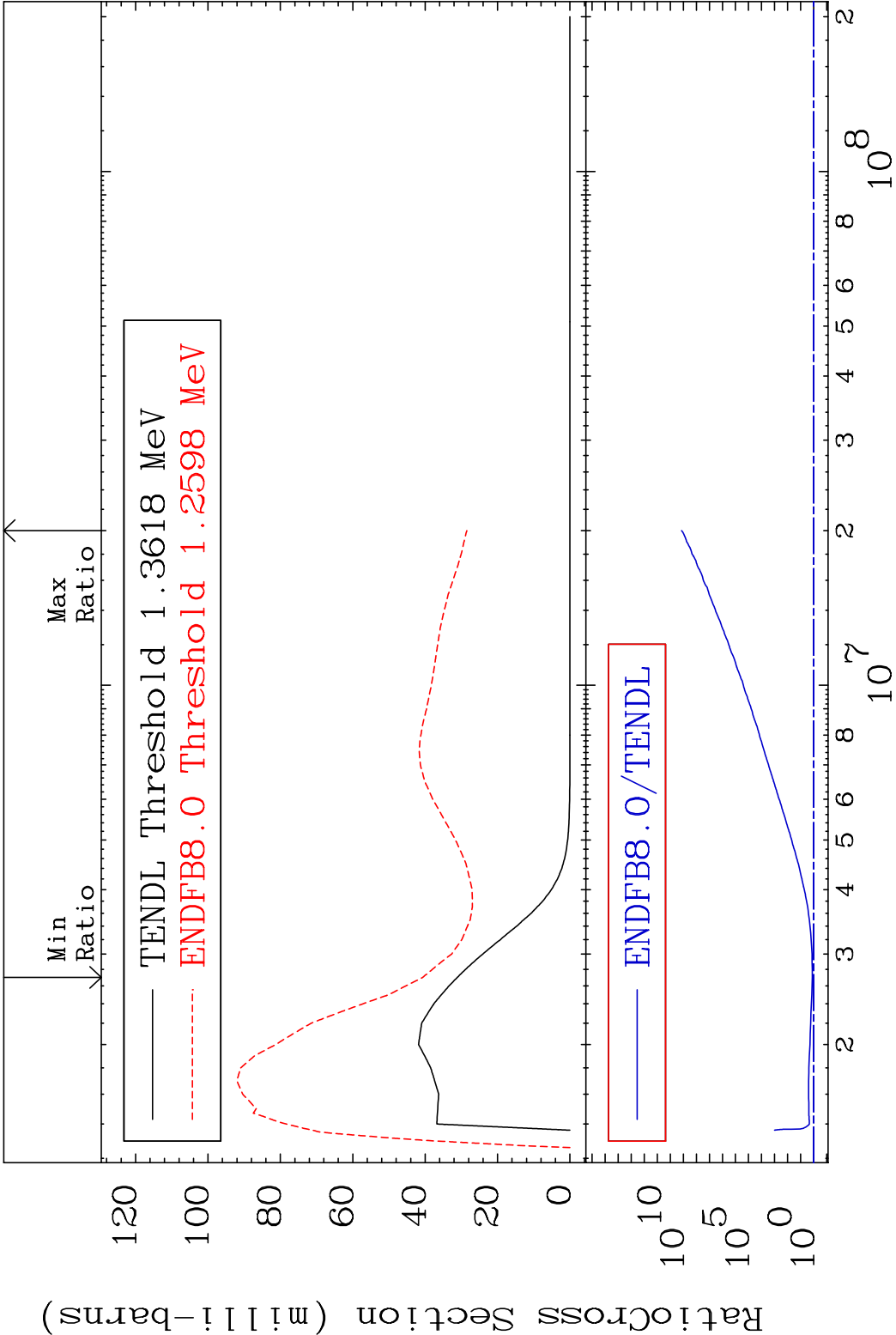
64-Gd-154

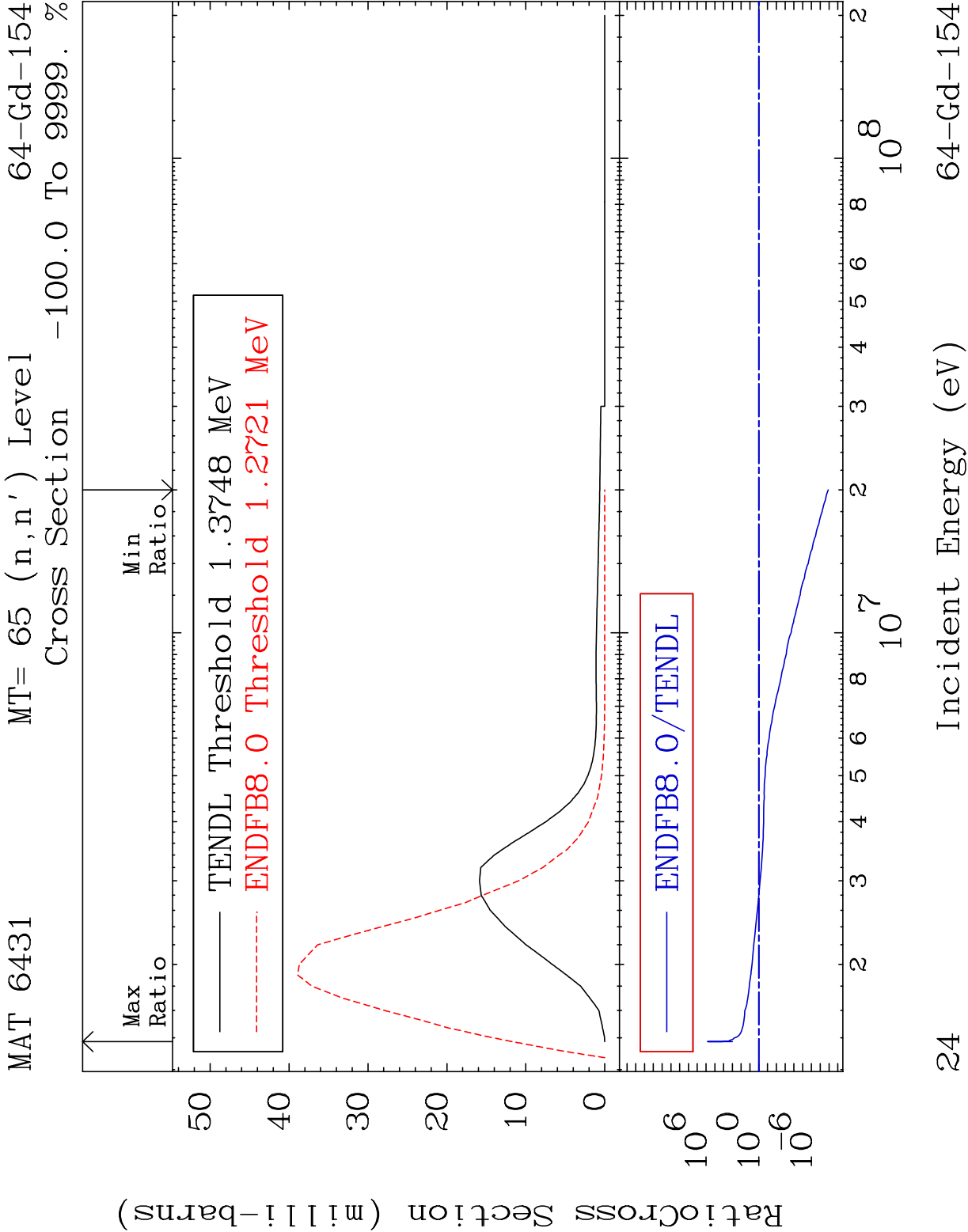
Cross Section

-54.98 To 9999. %

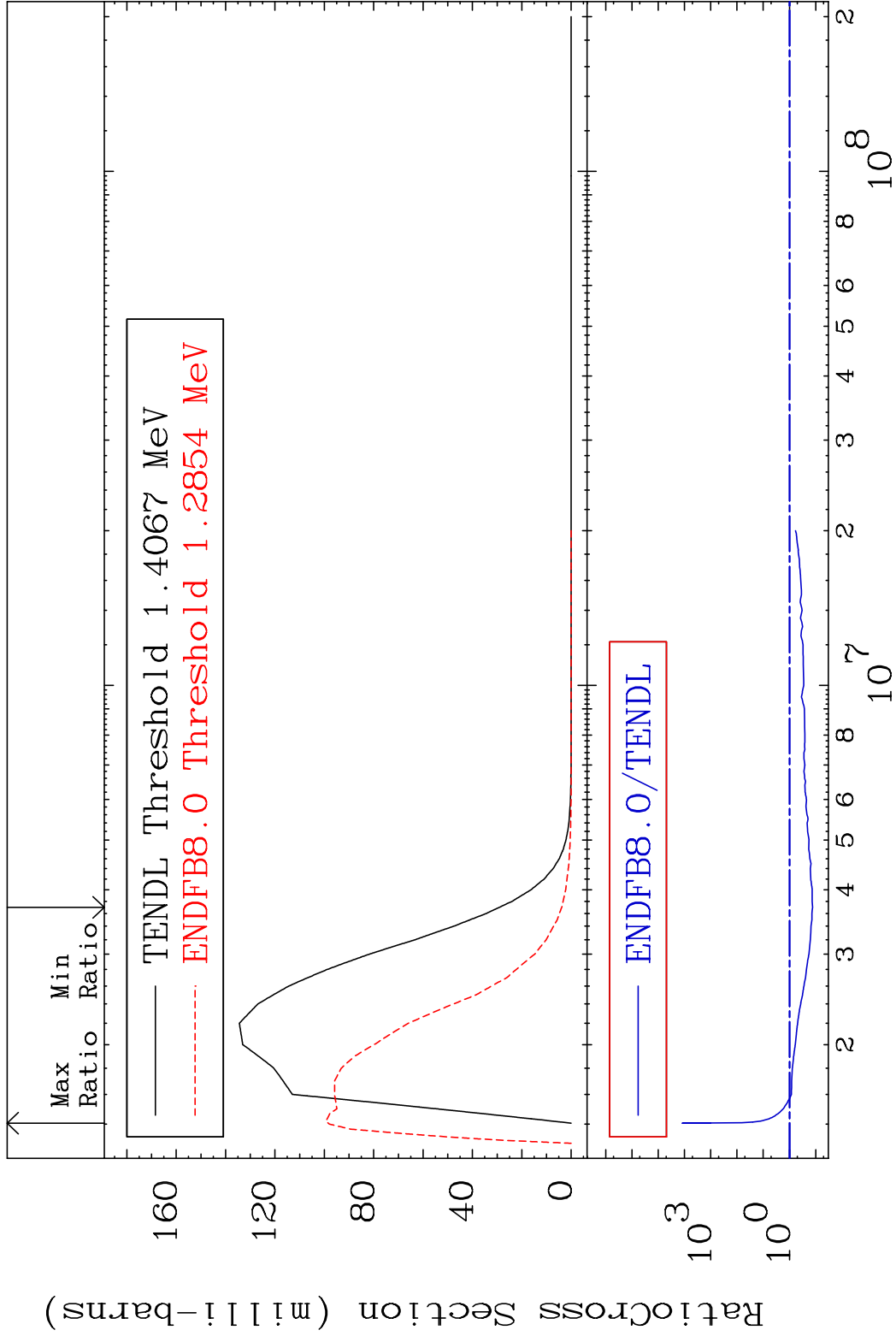


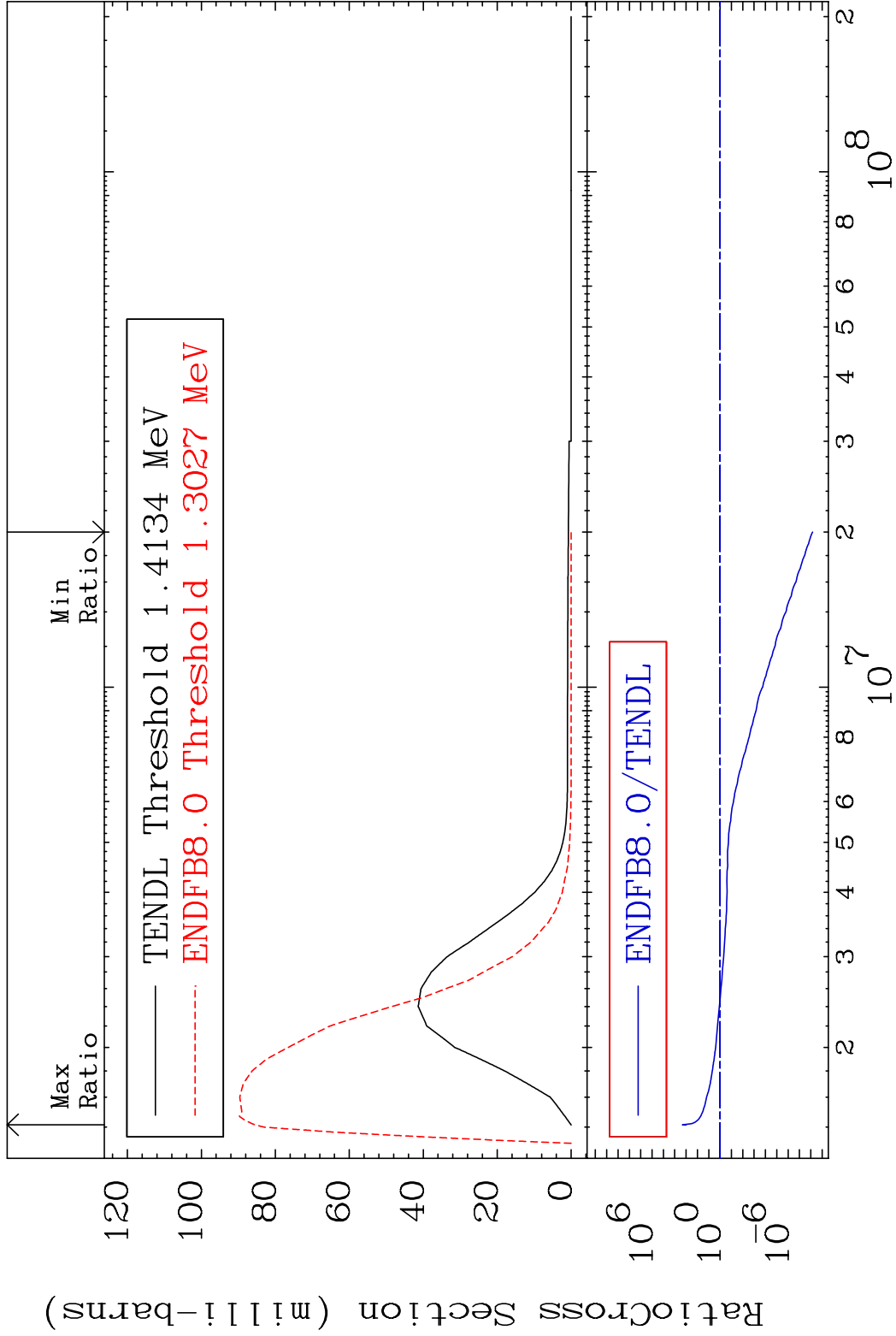
MAT 6431	MT= 64 (n,n')	Level	64-Gd-154
	Cross Section	30.66	To 9999. %

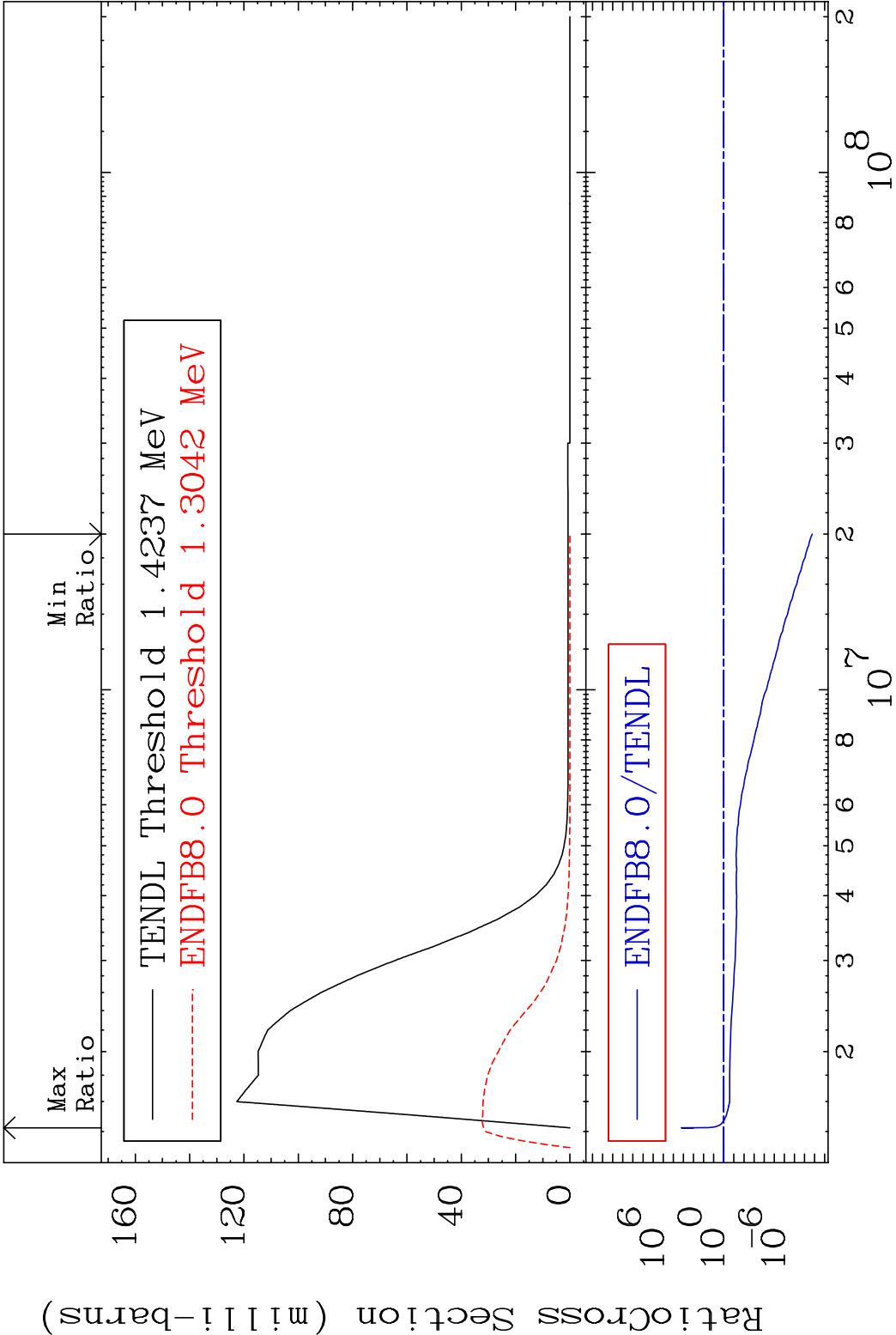


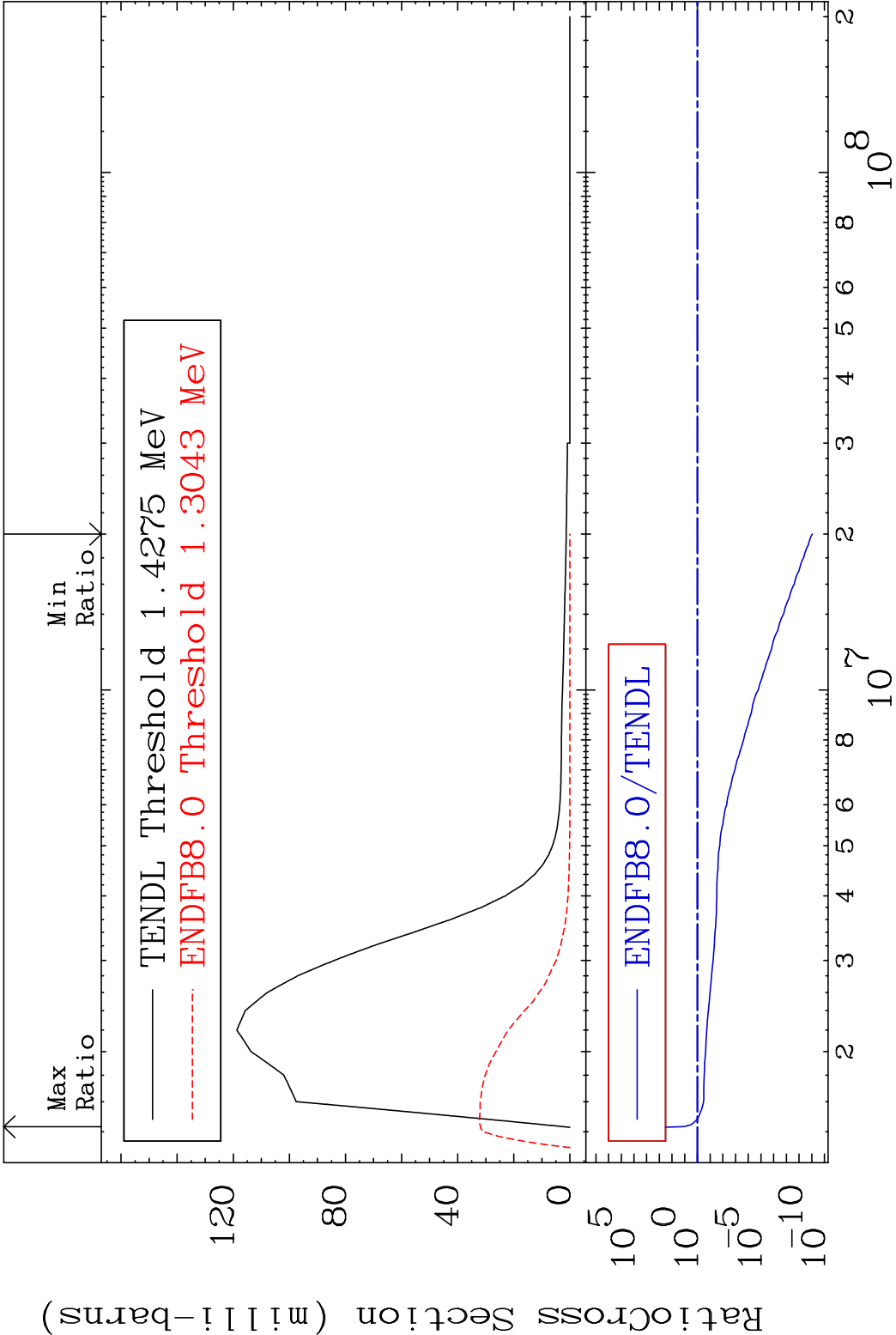


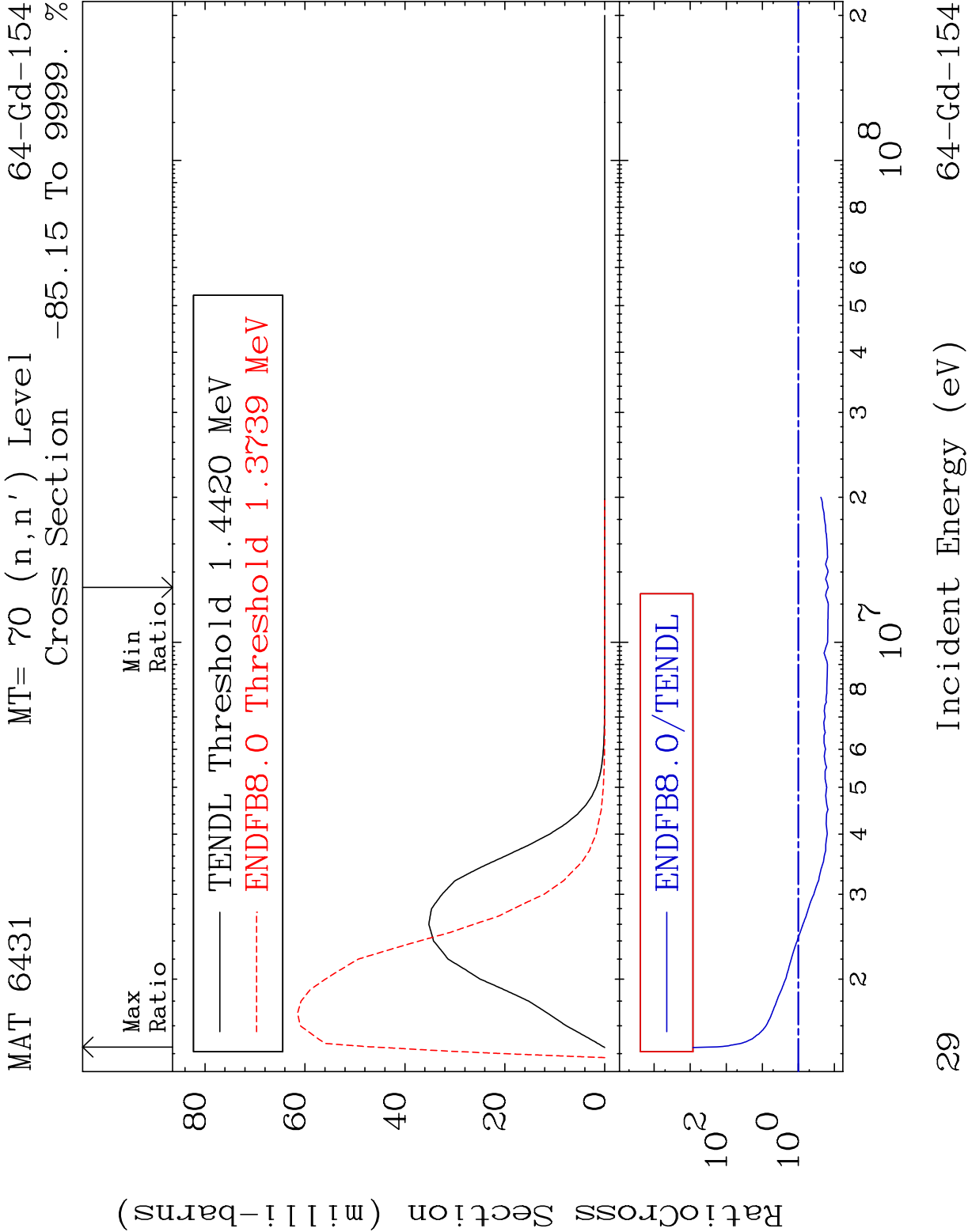
MAT 6431	MT= 66 (n,n')	Level	64-Gd-154
	Cross Section	-86.80 To 9999. %	



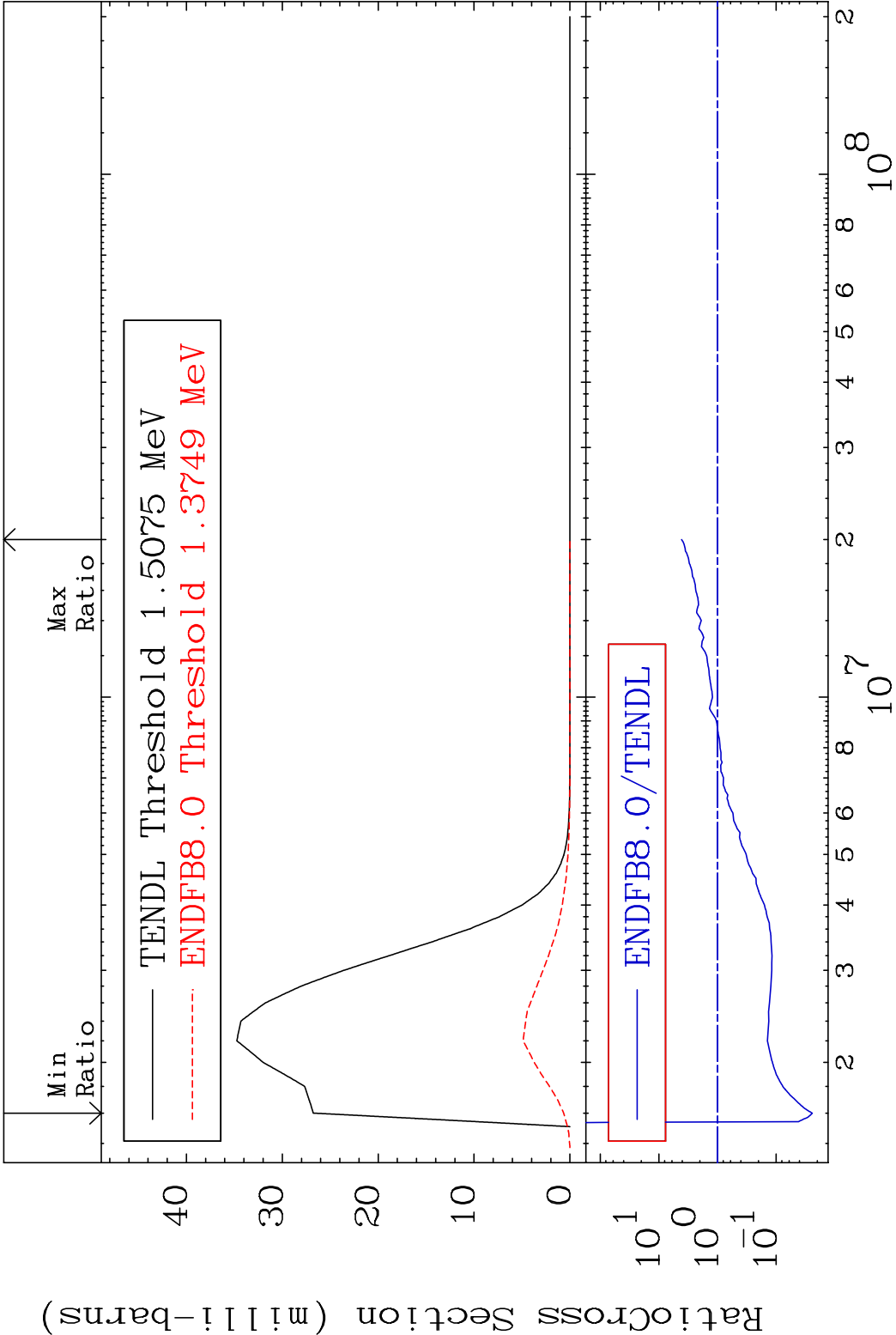








MAT 6431 MT= 71 (n,n') Level 64-Gd-154
Cross Section -97.57 To 311.0 %



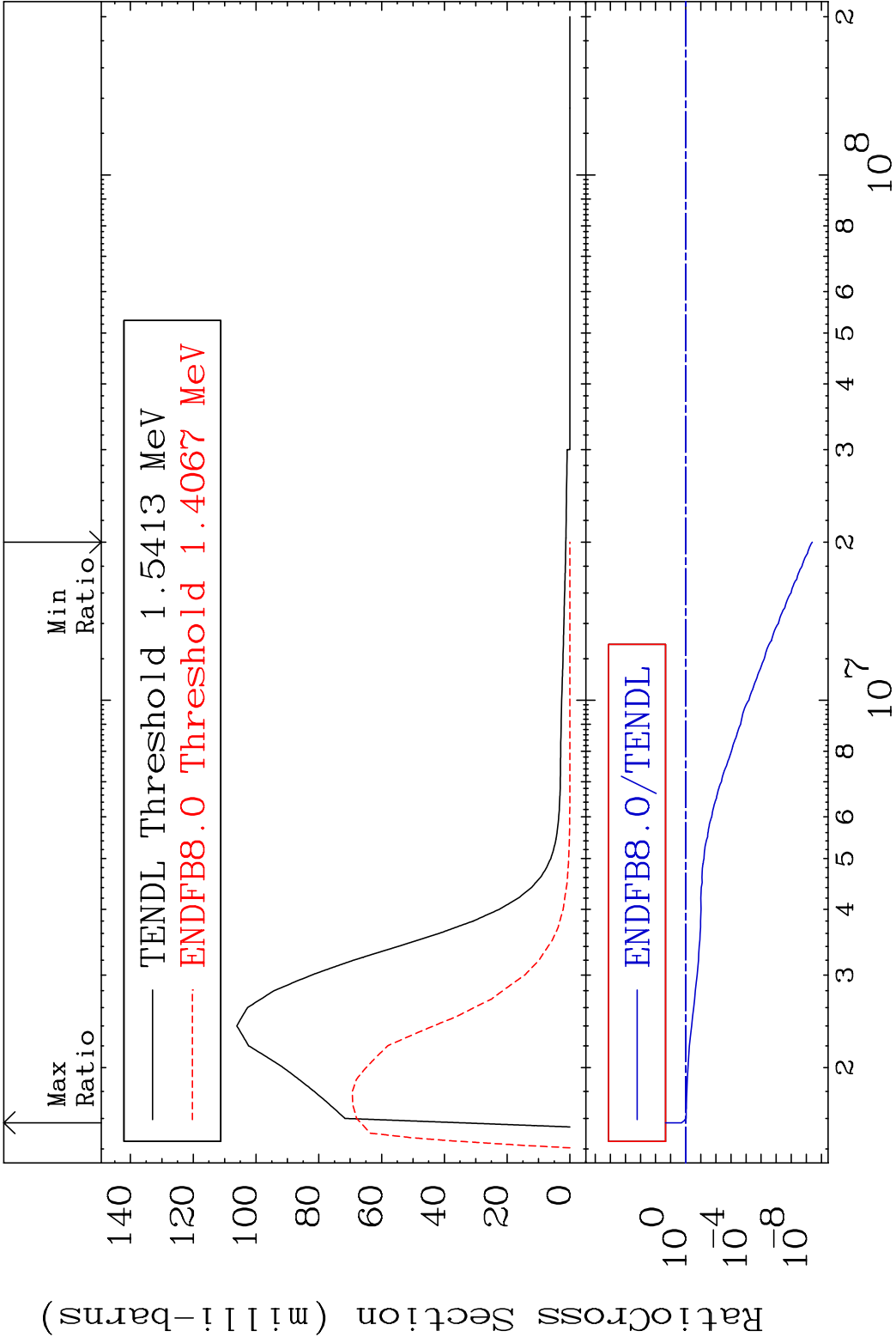
MAT 6431

MT= 72 (n,n') Level

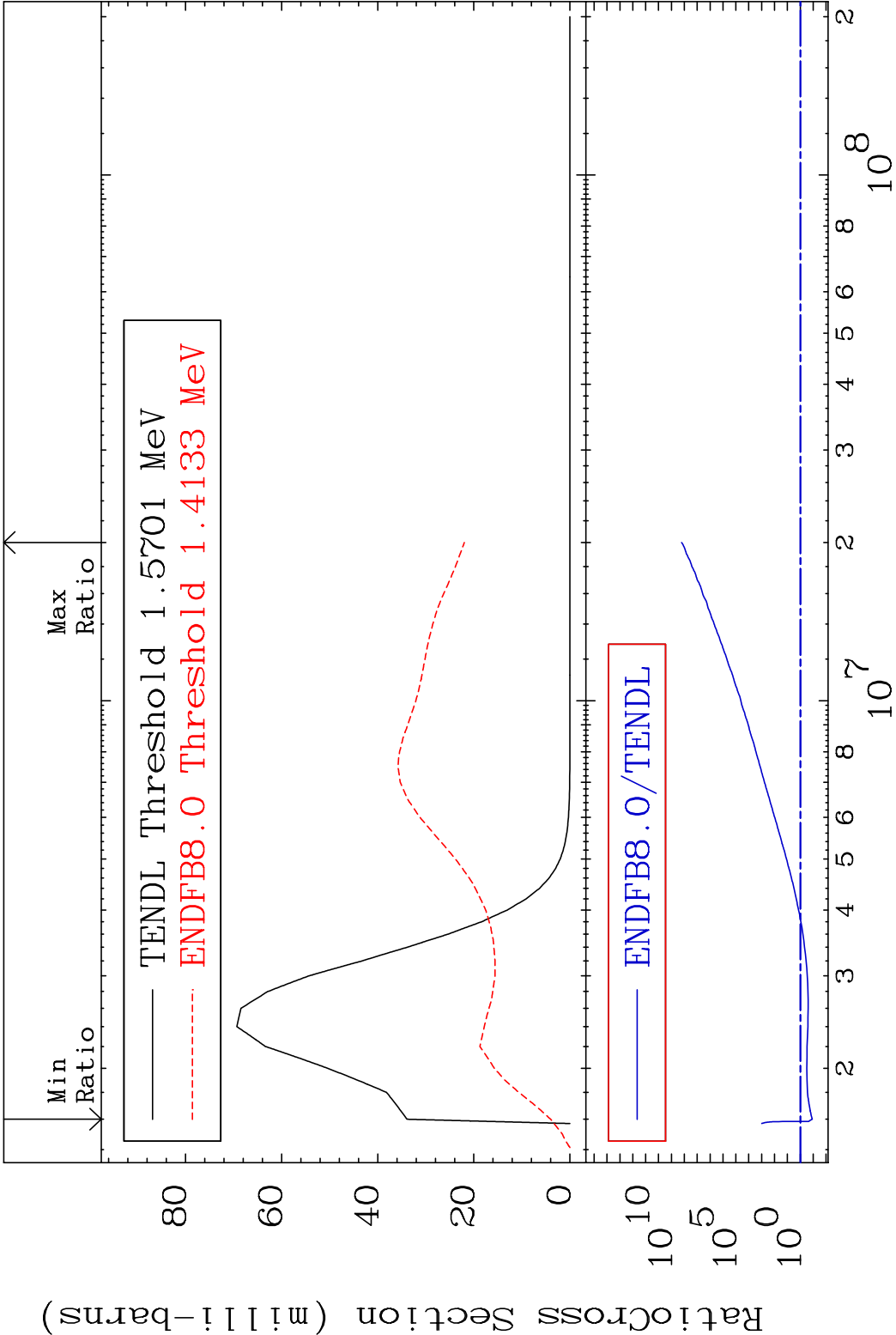
64-Gd-154

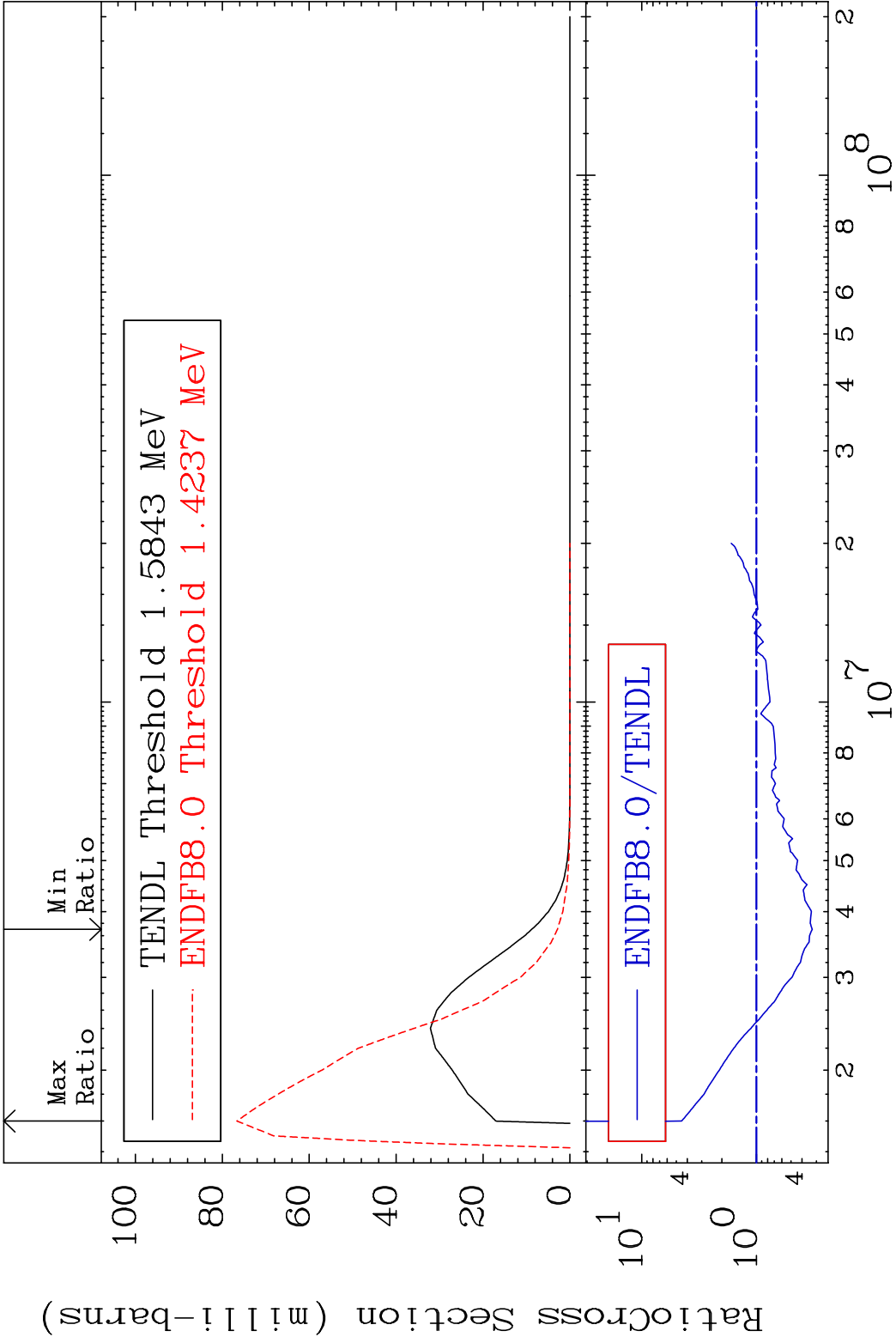
Cross Section

-100.0 To 89.40 %



MAT 6431 MT= 73 (n,n') Level 64-Gd-154
Cross Section -88.14 To 9999. %





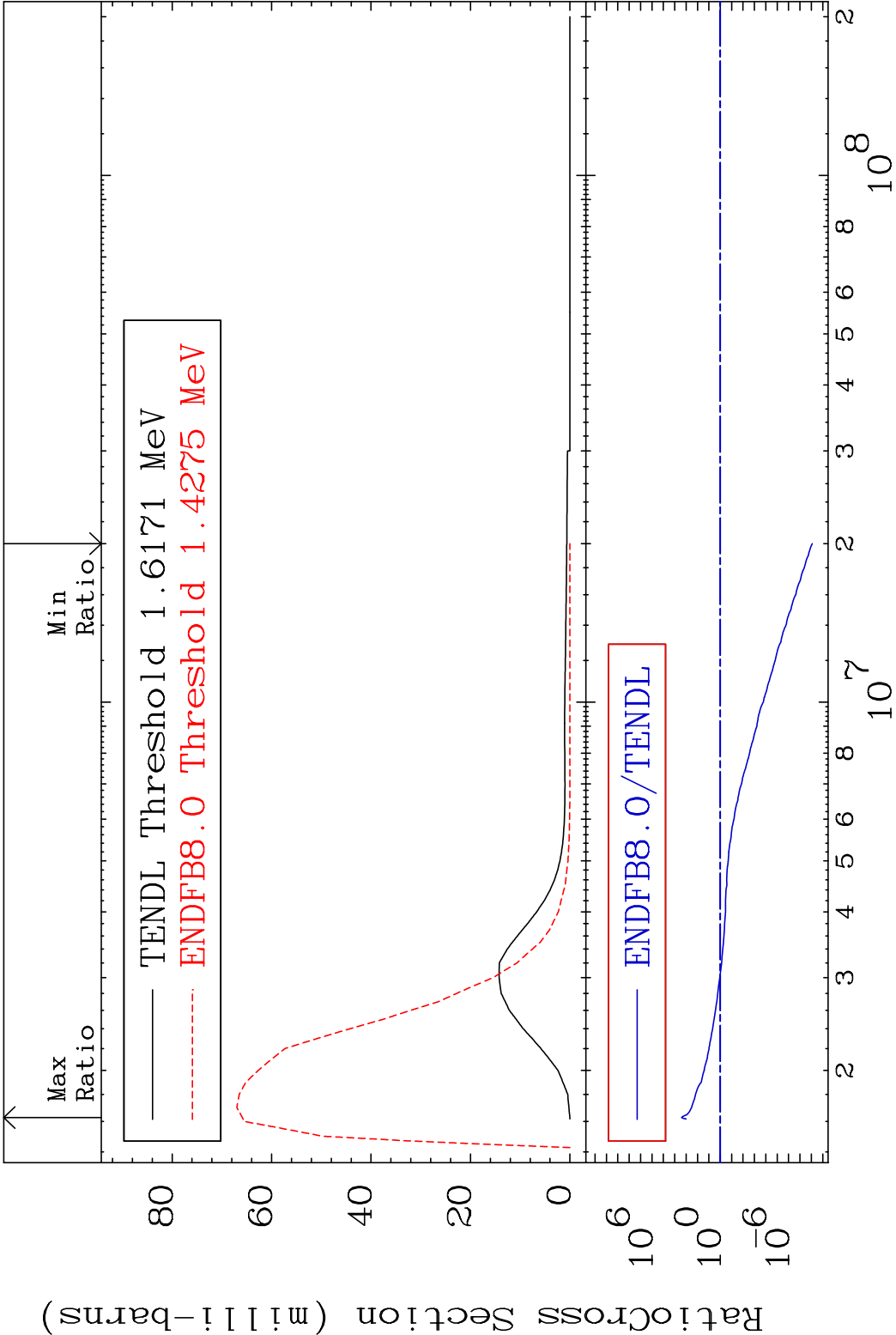
MAT 6431

MT= 75 (n,n') Level

64-Gd-154

Cross Section

-100.0 To 9999. %



MAT 6431

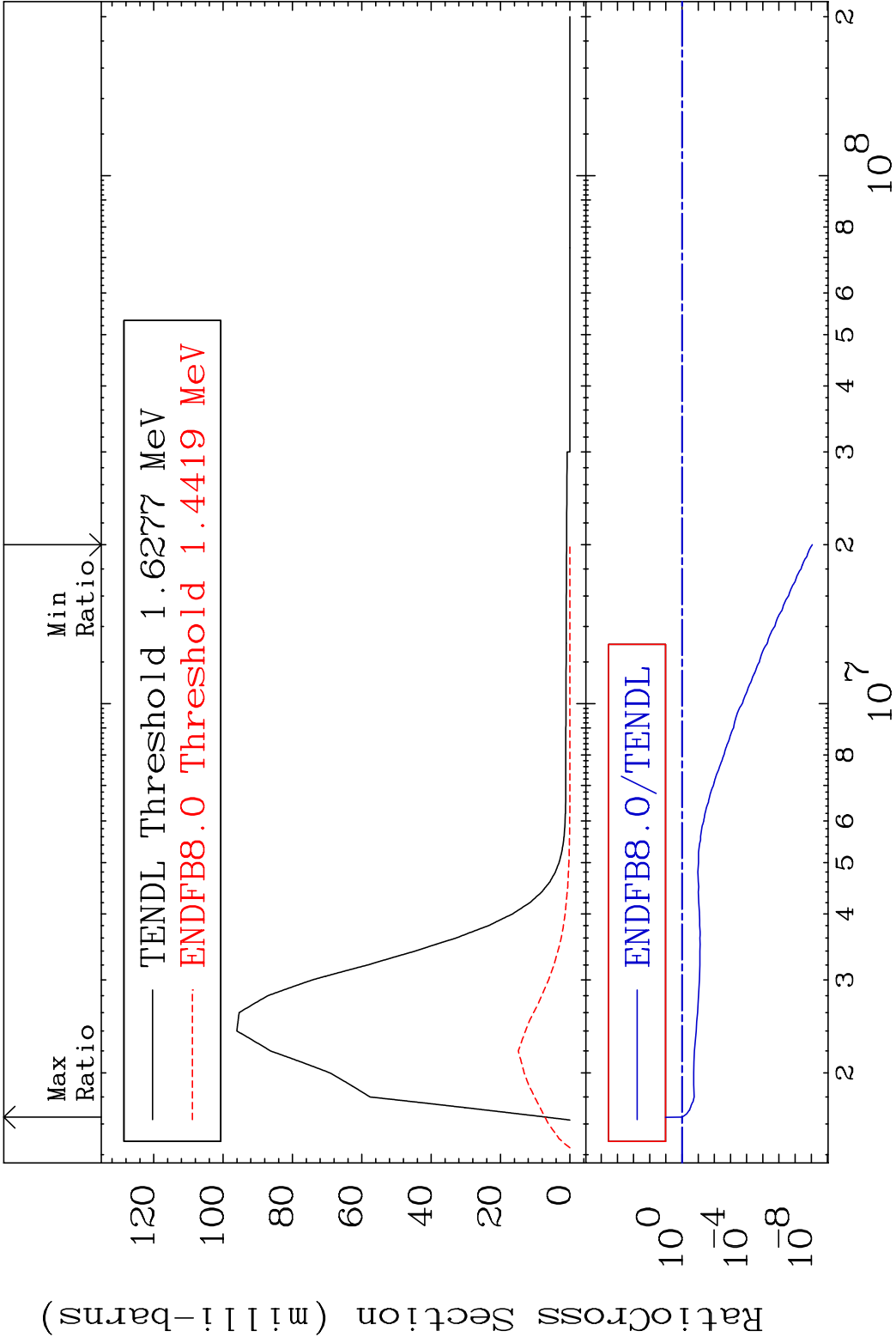
MT= 76 (n,n')

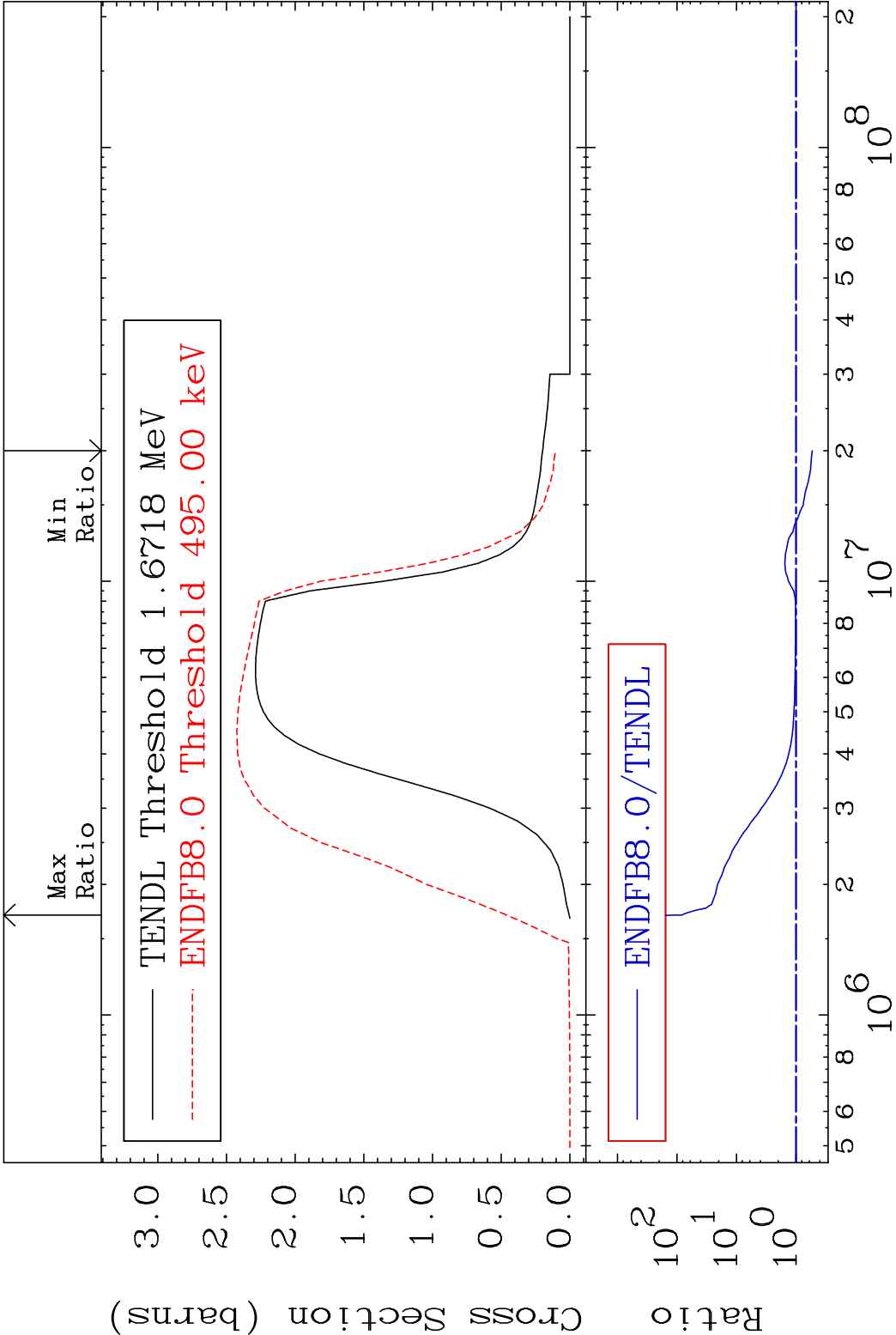
Level

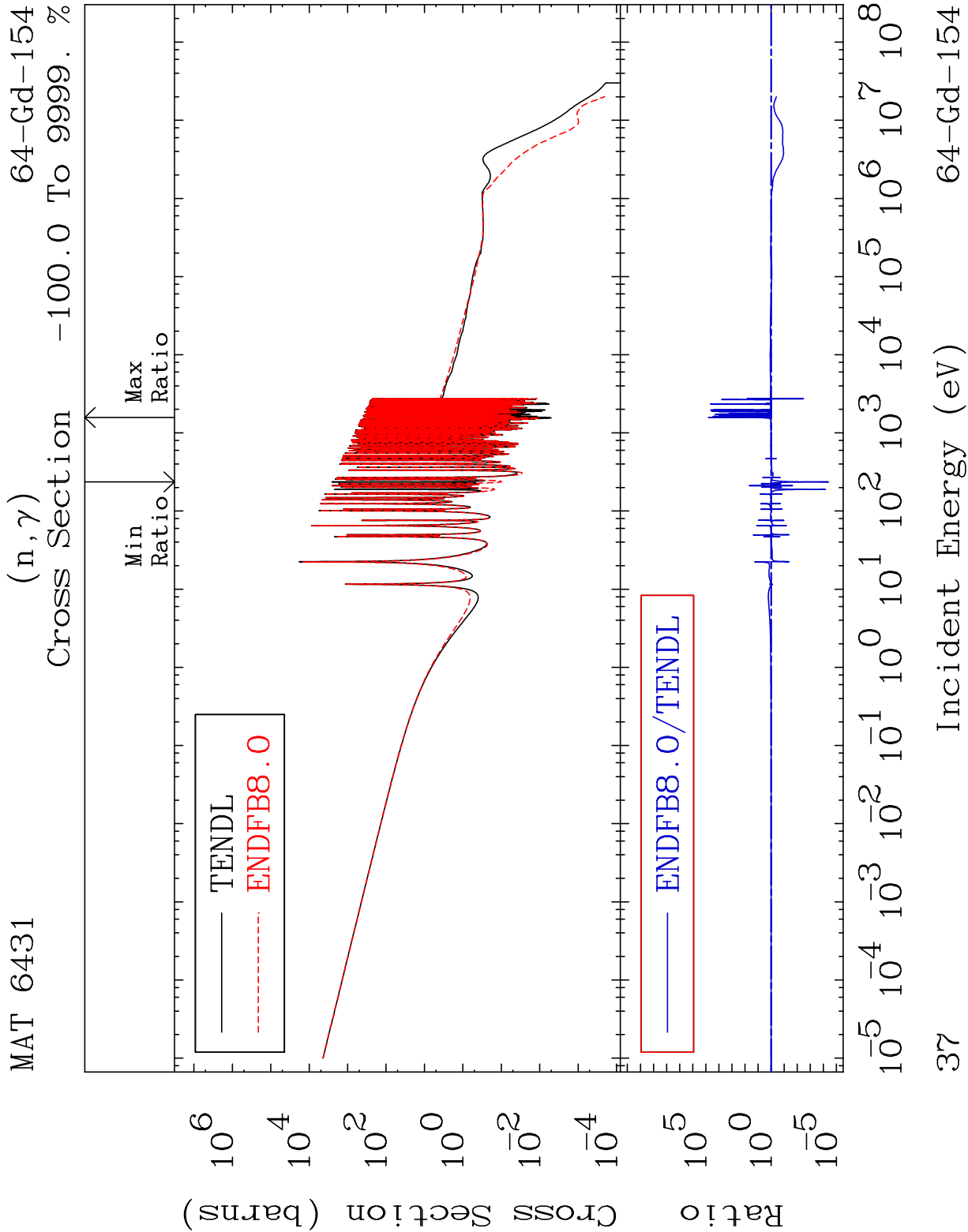
64-Gd-154

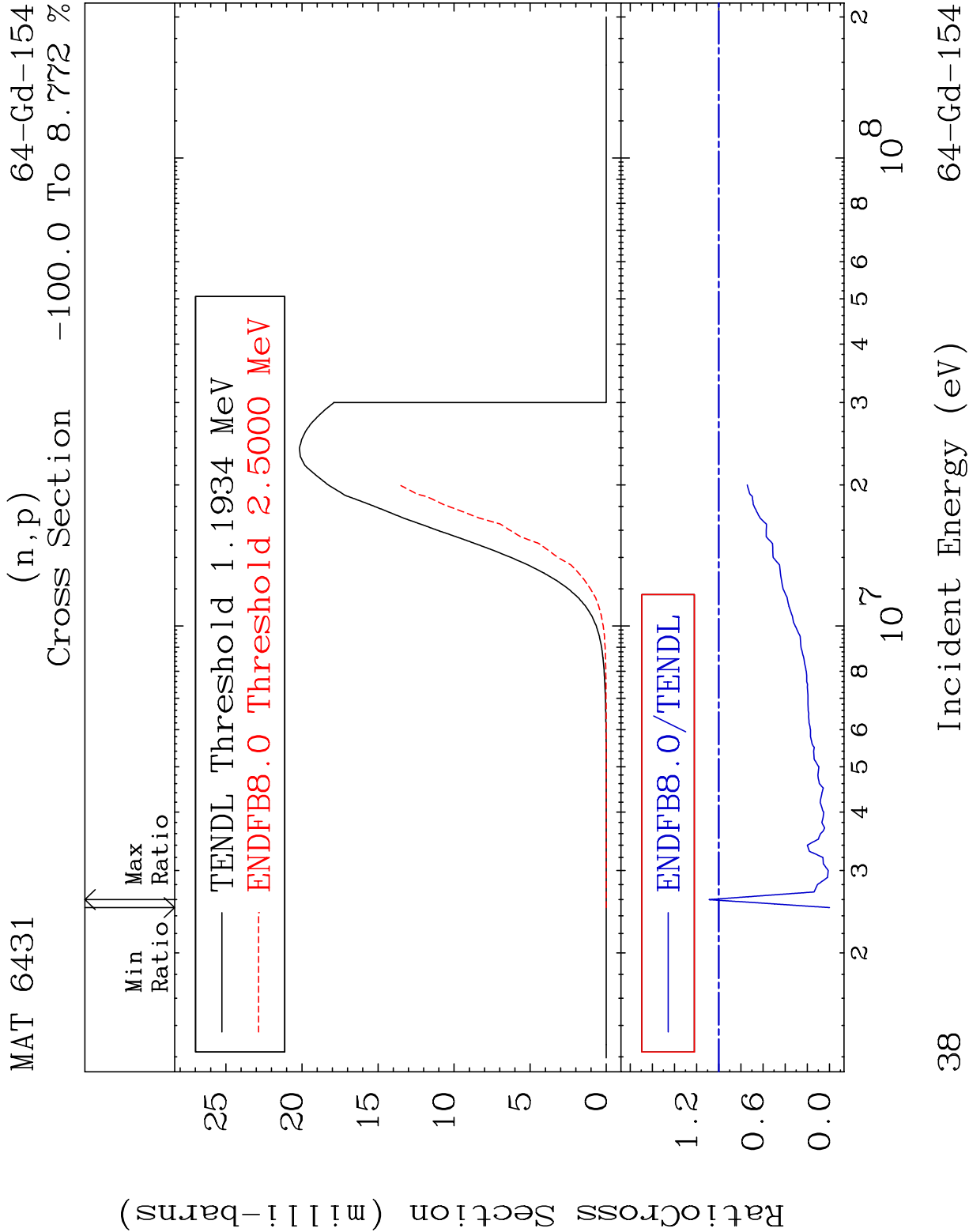
Cross Section

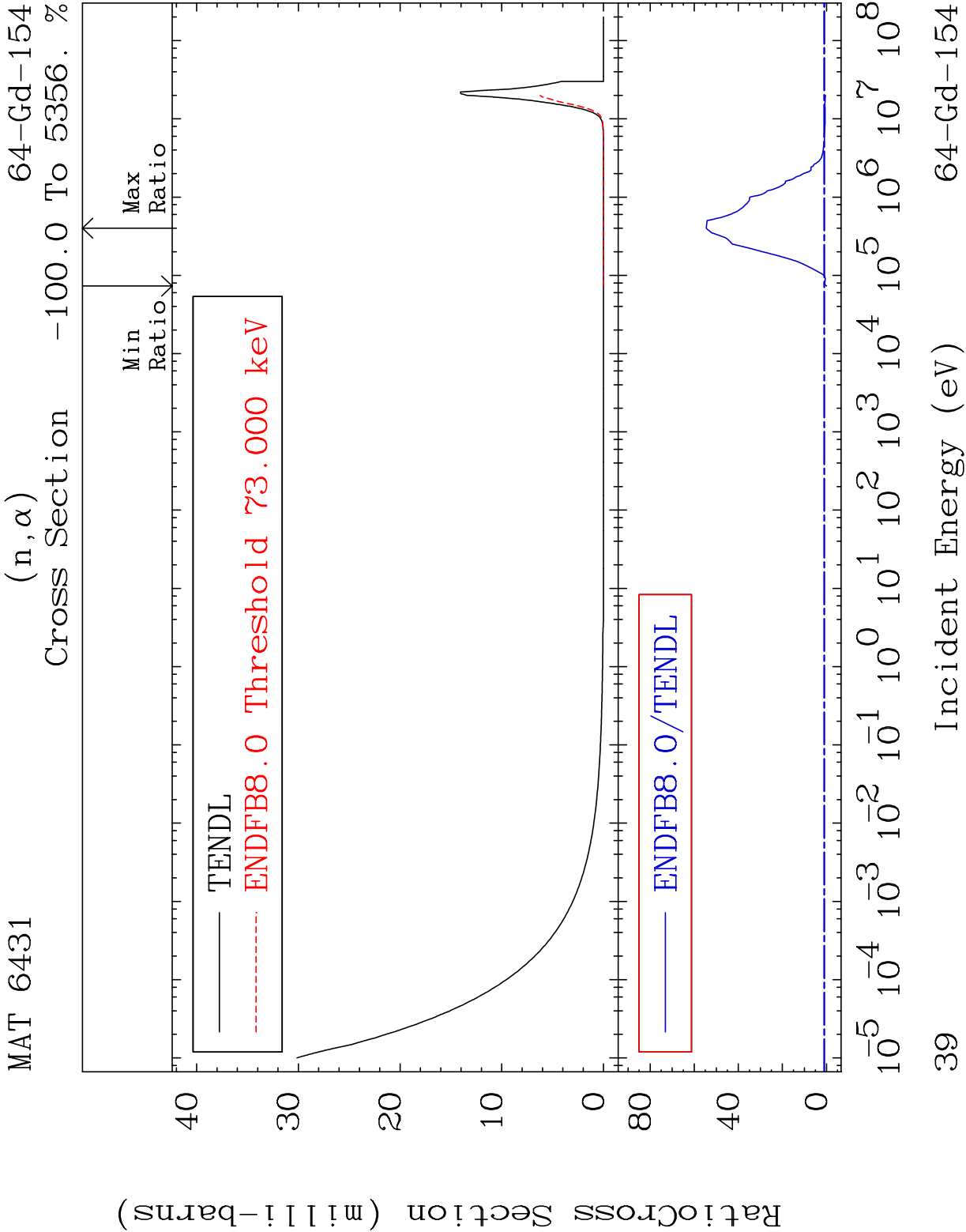
-100.0 To 7.096 %

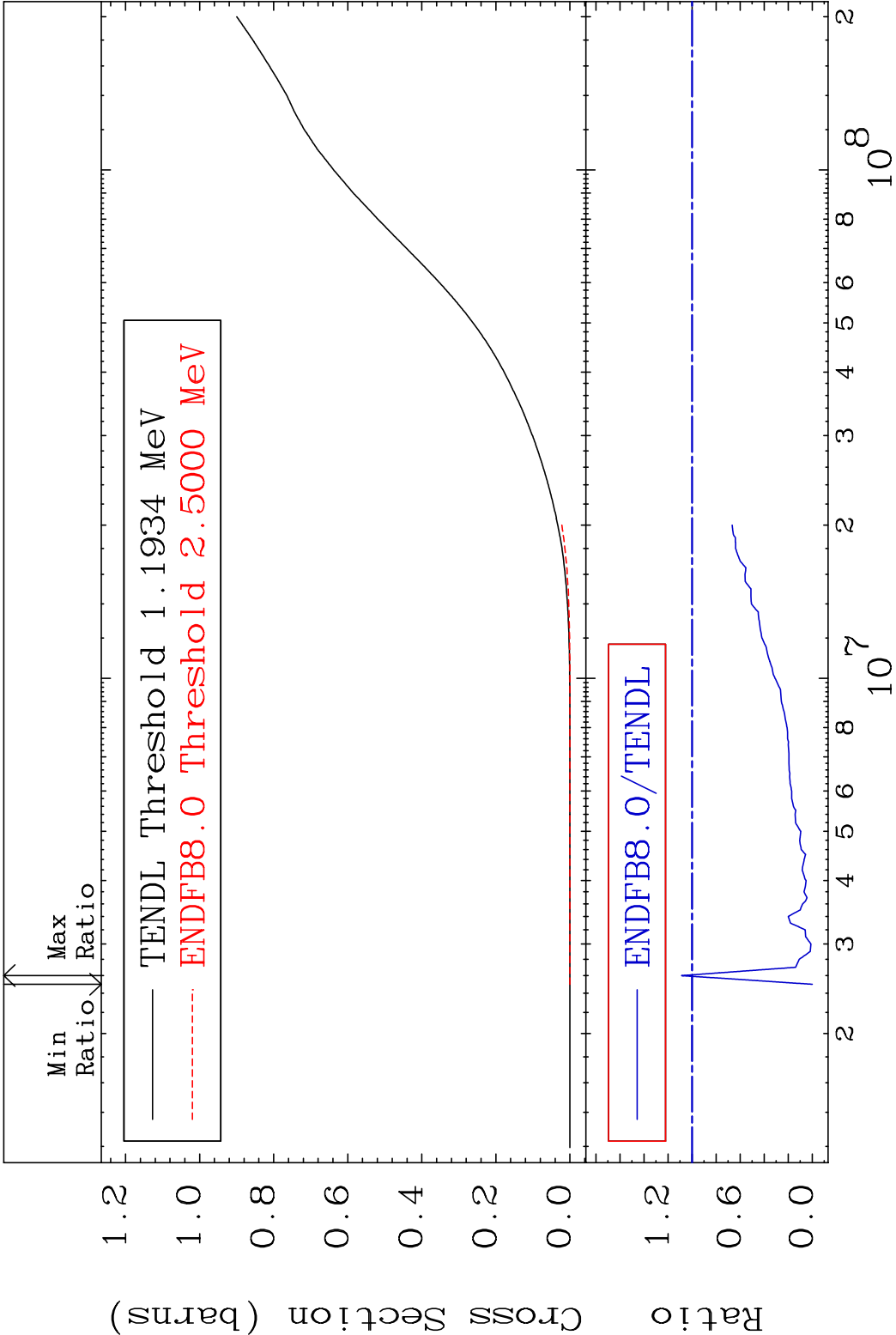


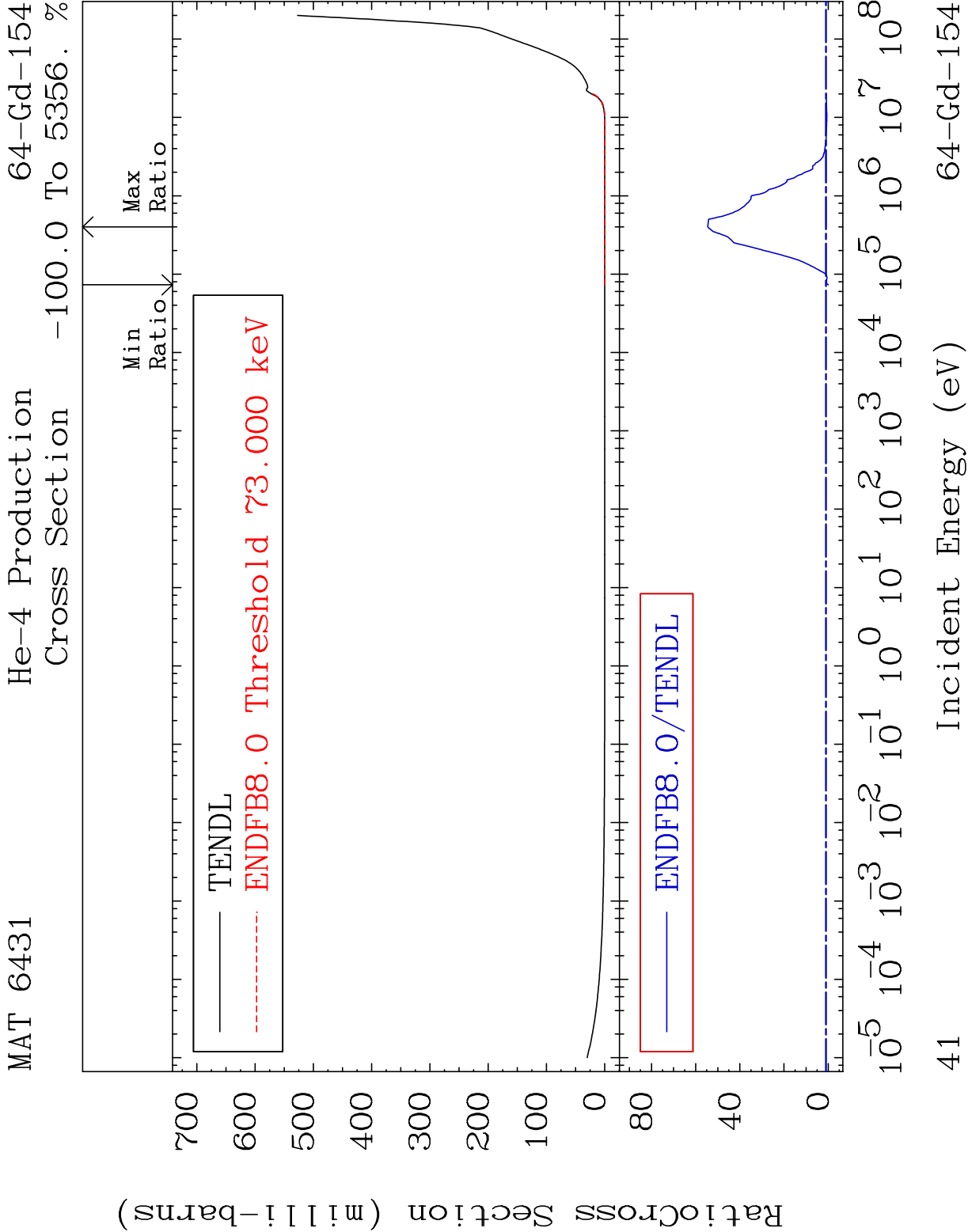


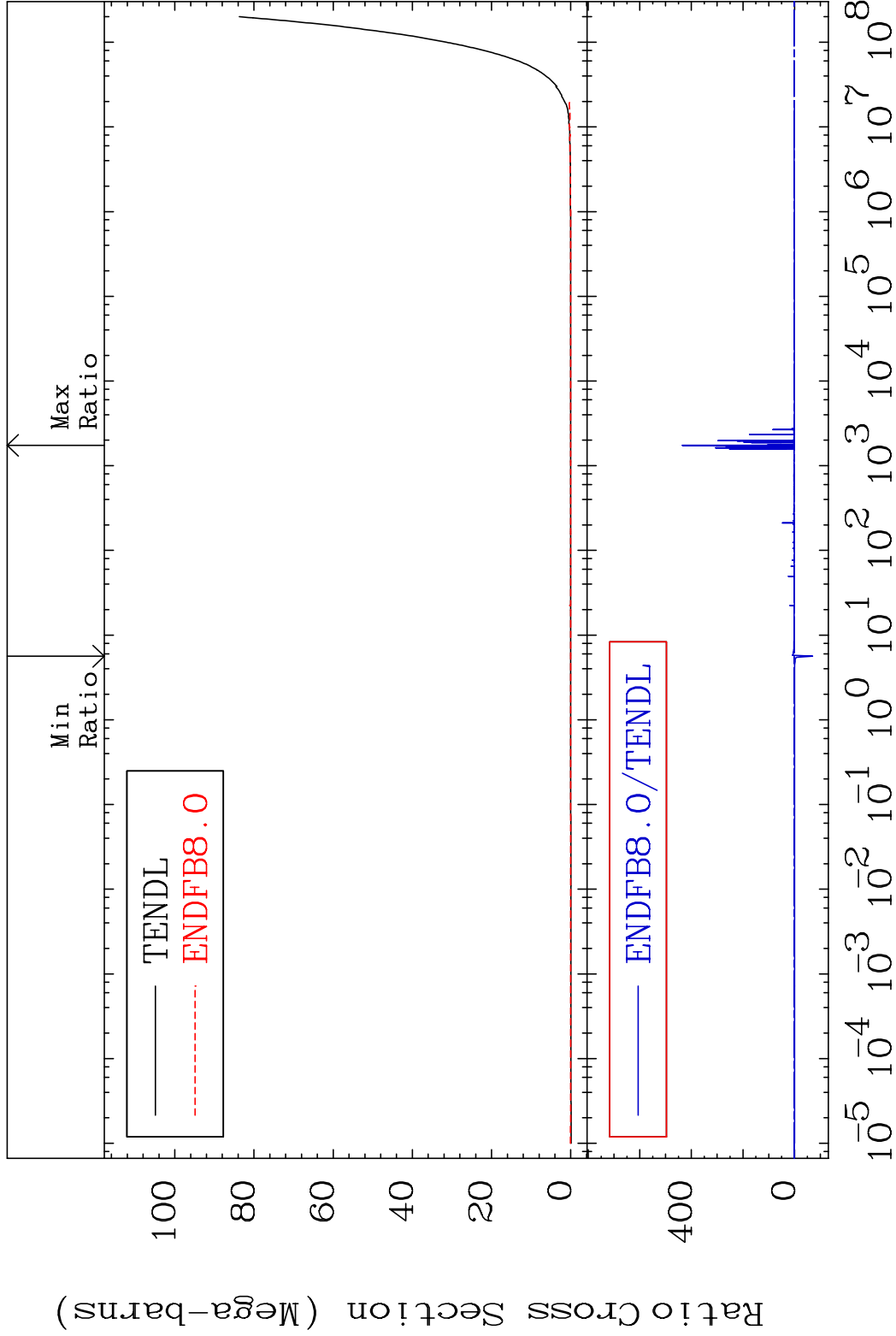


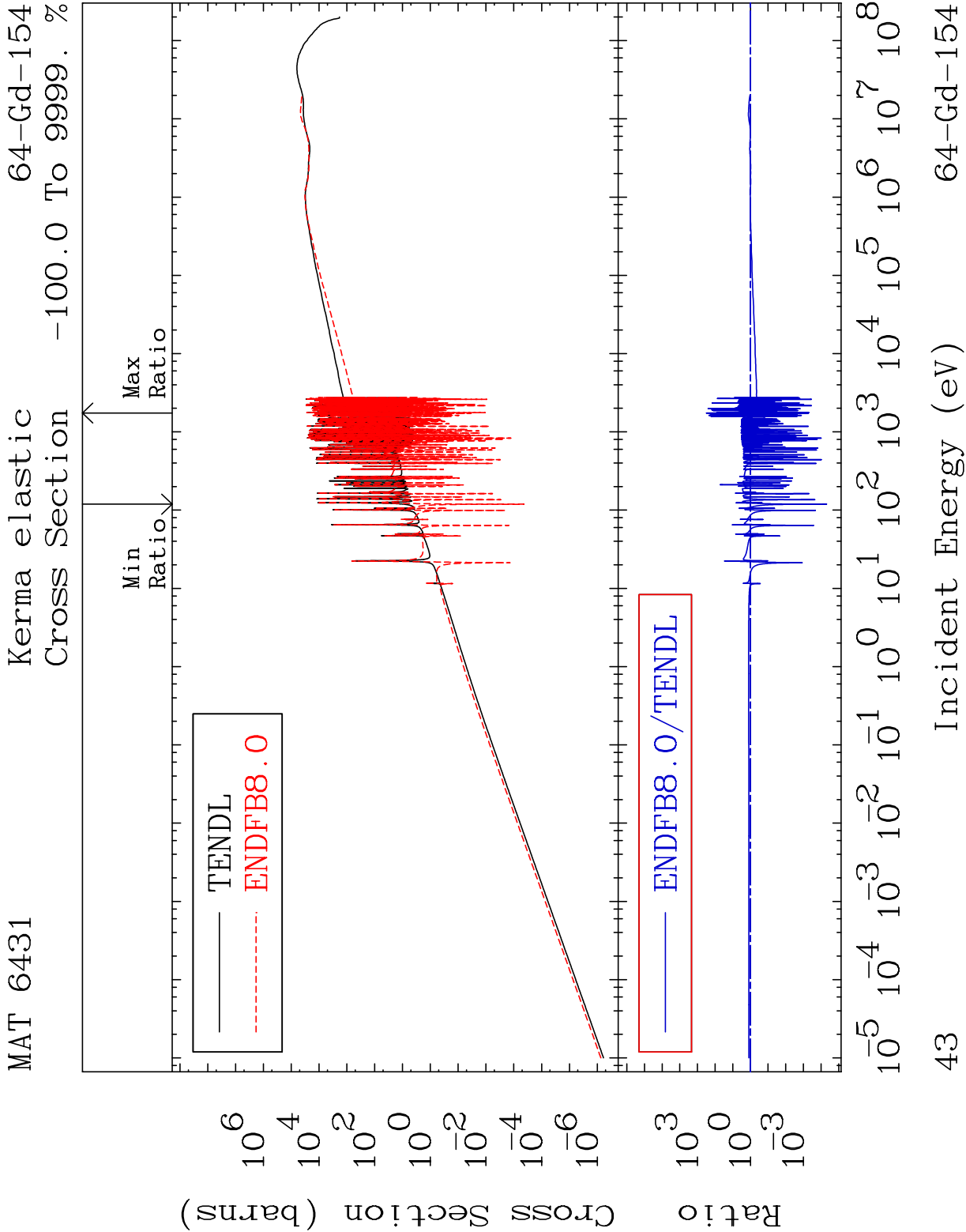




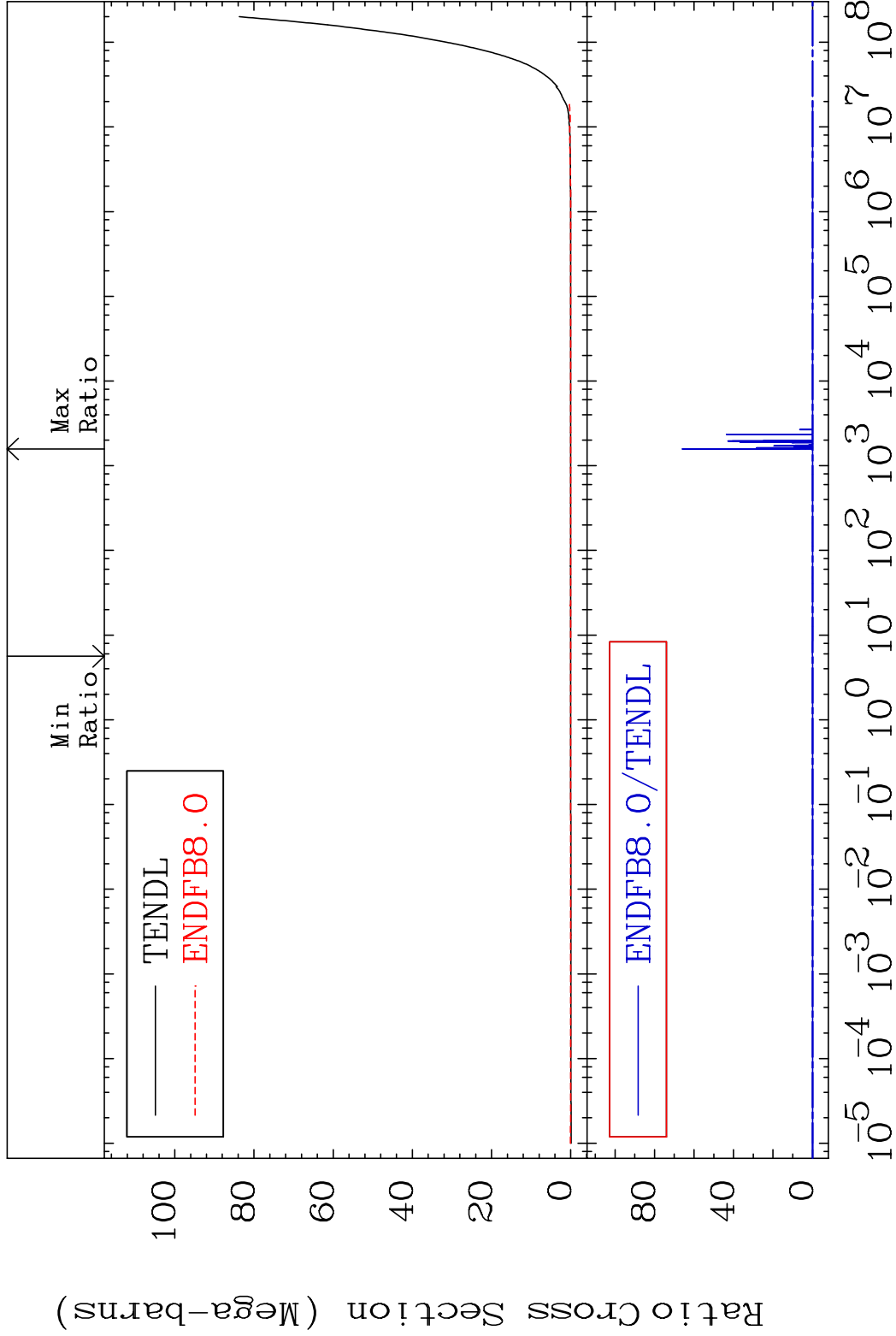




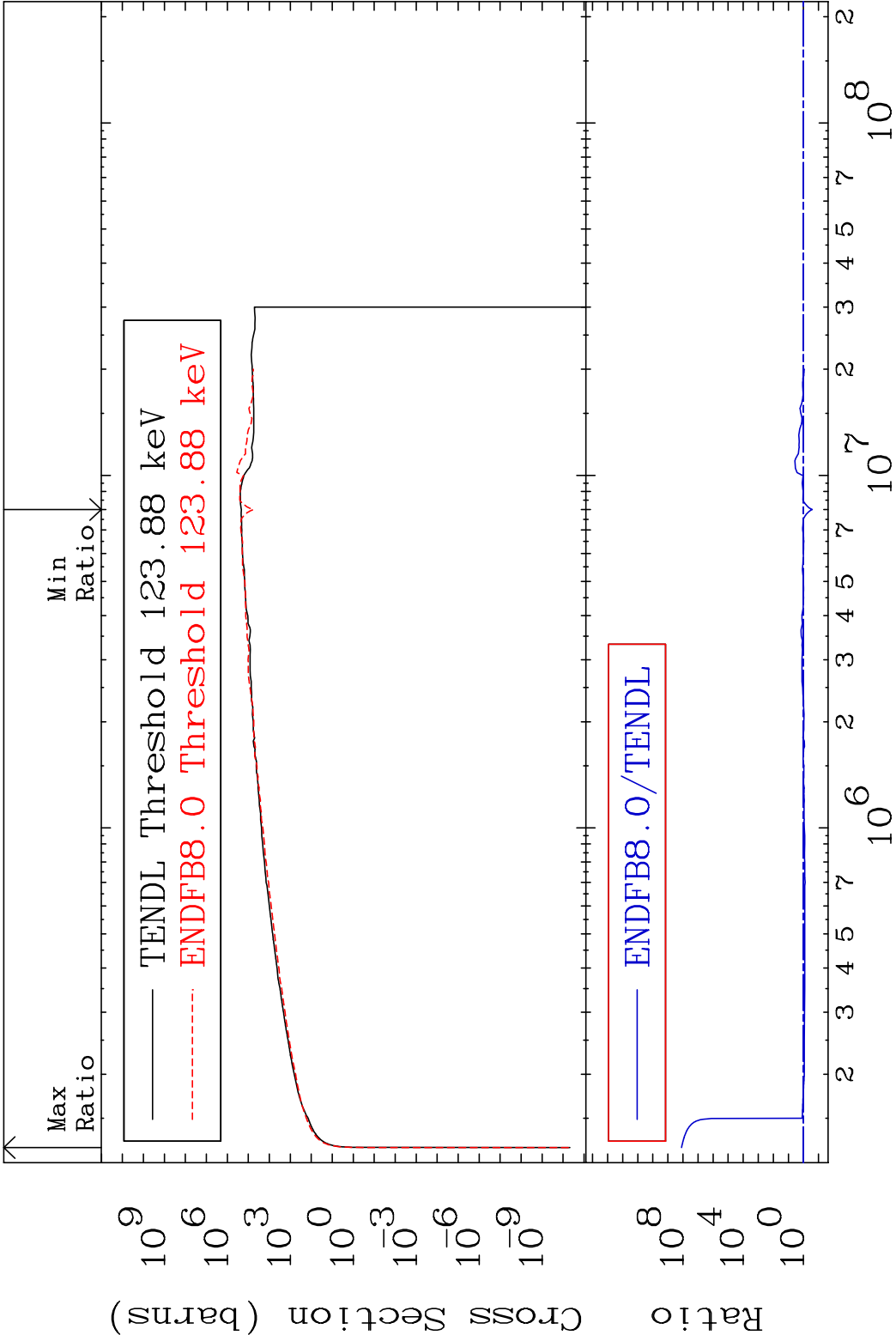




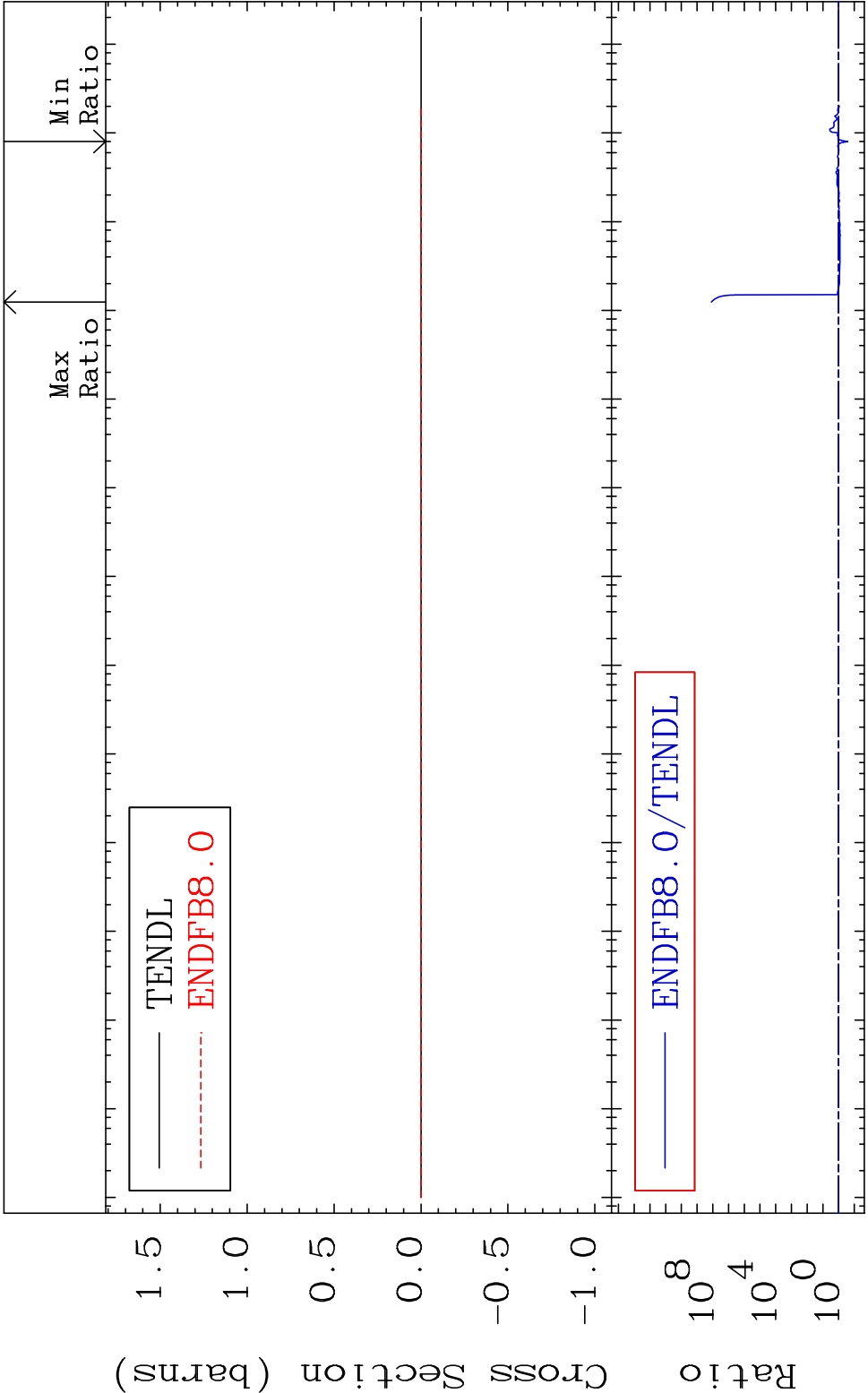
MAT 6431 Kerma non-elastic (all but mt2) 64-Gd-154
Cross Section -3149. To 9999. %



44 Incident Energy (eV) 64-Gd-154

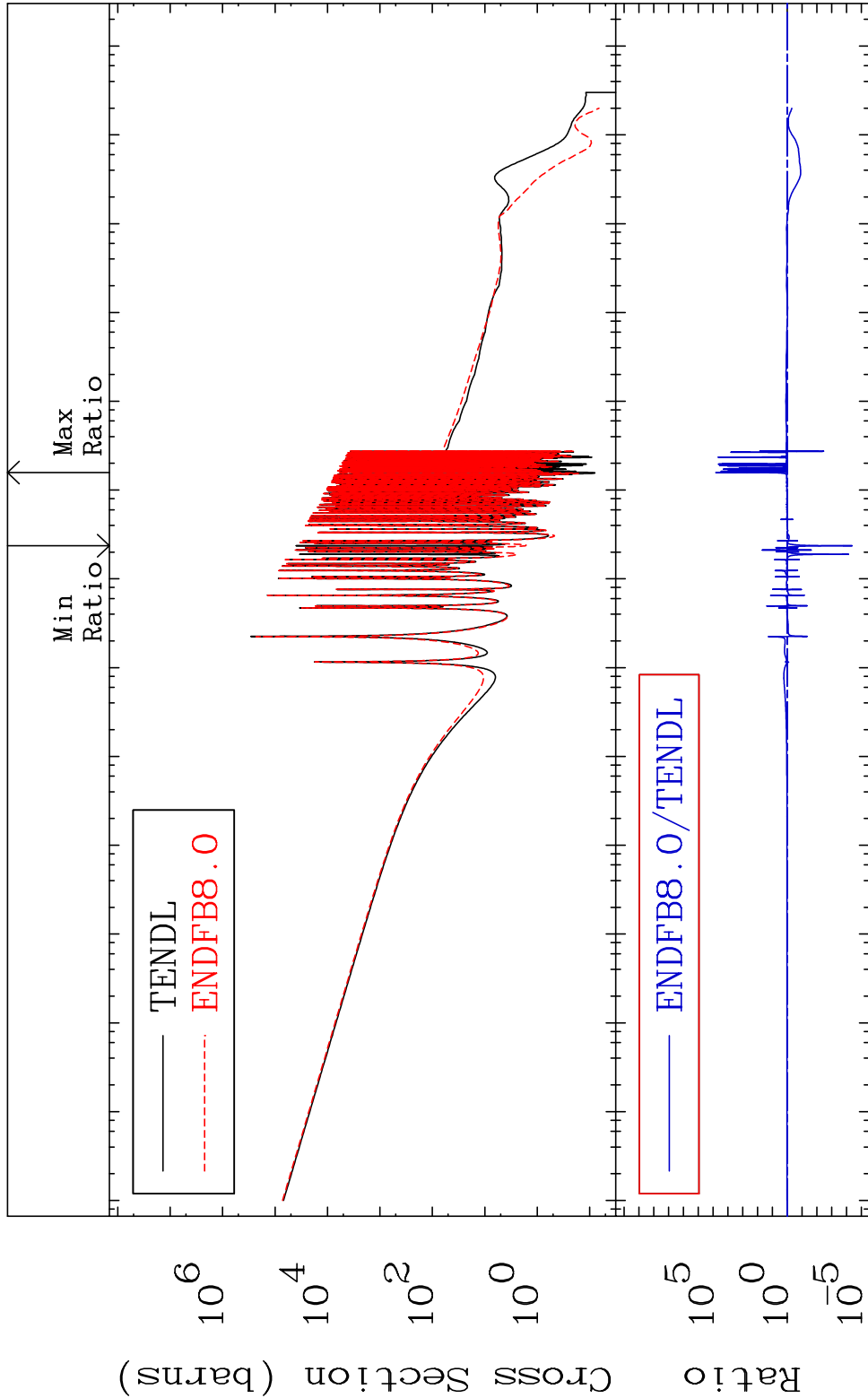


MAT 6431 Kerma fission (mt18 or mt19-20-21-38)64-Gd-154
Cross Section -73.97 To 9999. %



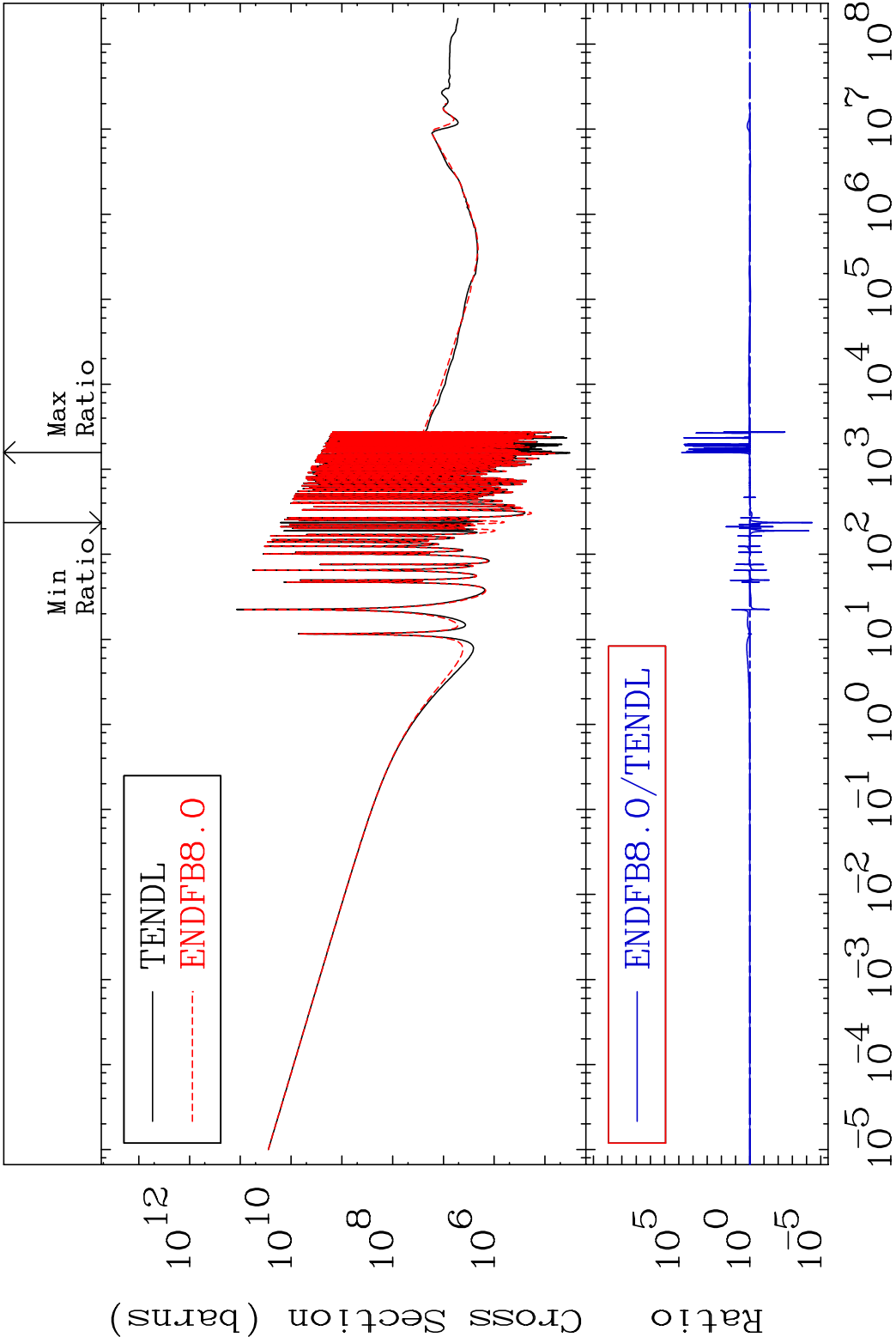
MAT 6431 Kerma capture (mt102) 64-Gd-154

Cross Section -100.0 To 9999. %

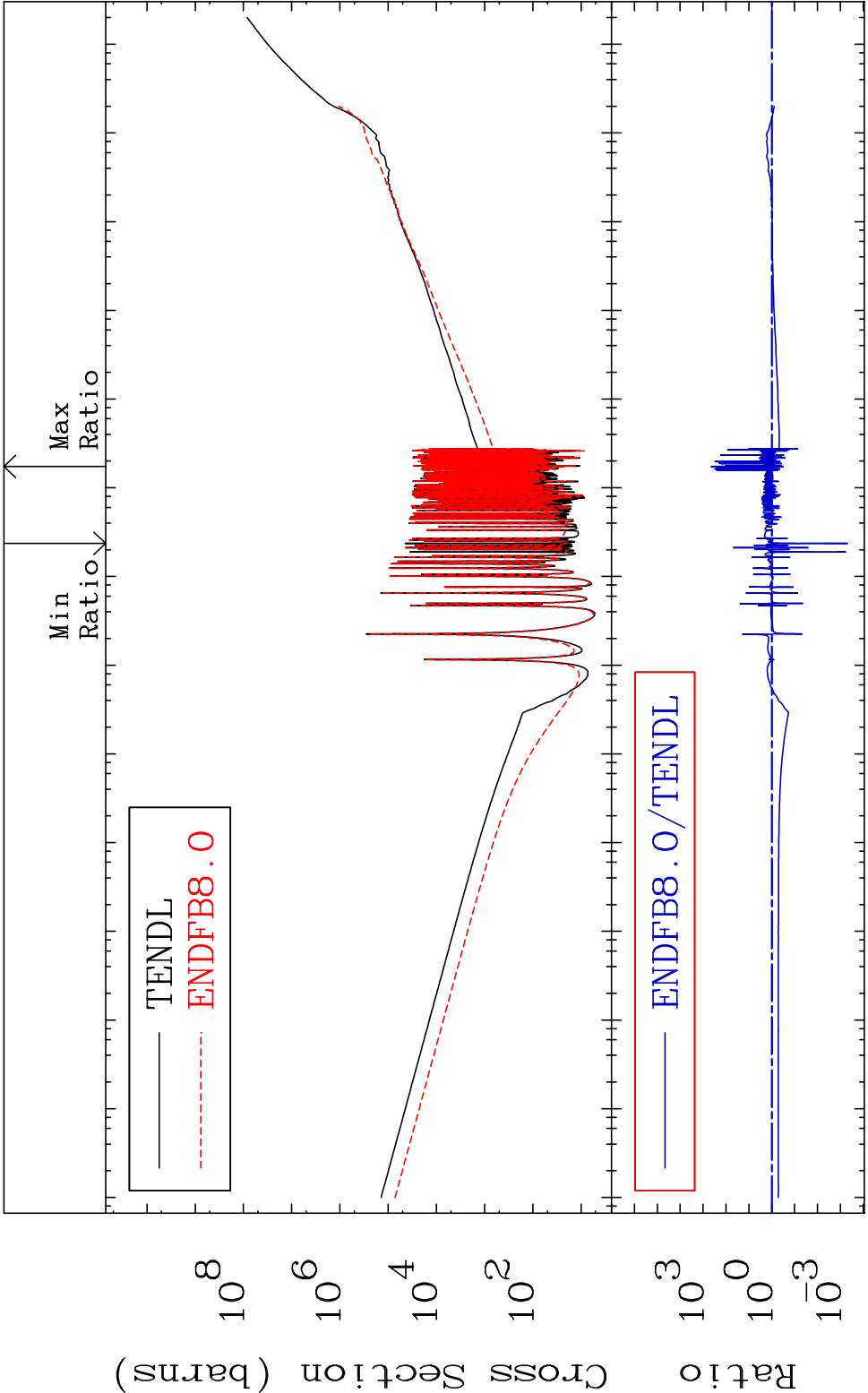


47 Incident Energy (eV) 64-Gd-154

MAT 6431 Total photon (eV-barns) 64-Gd-154
Cross Section -100.0 To 9999. %

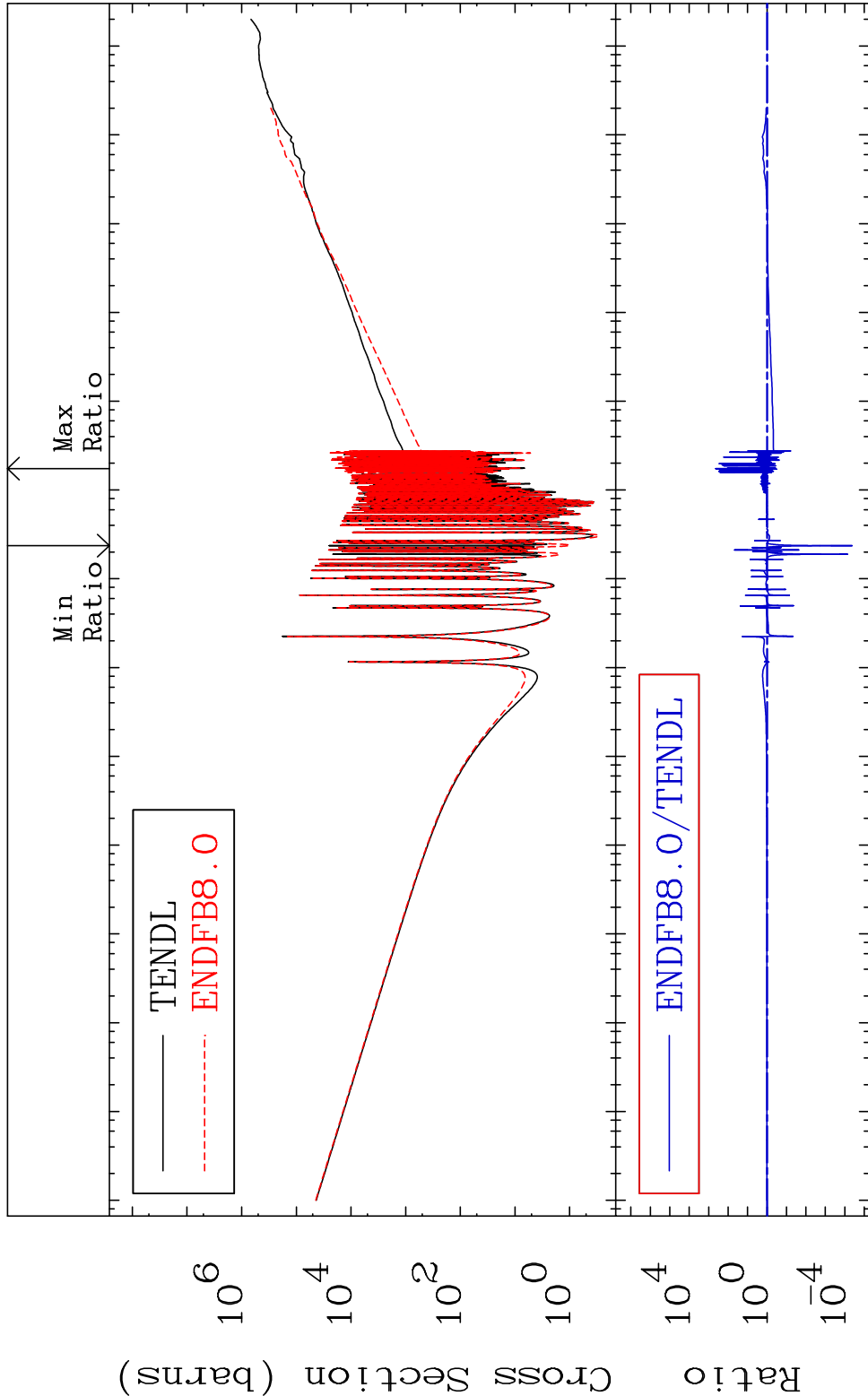


MAT 6431 Total kinematic kerma (high limit) 64-Gd-154
Cross Section -99.95 To 9999. %

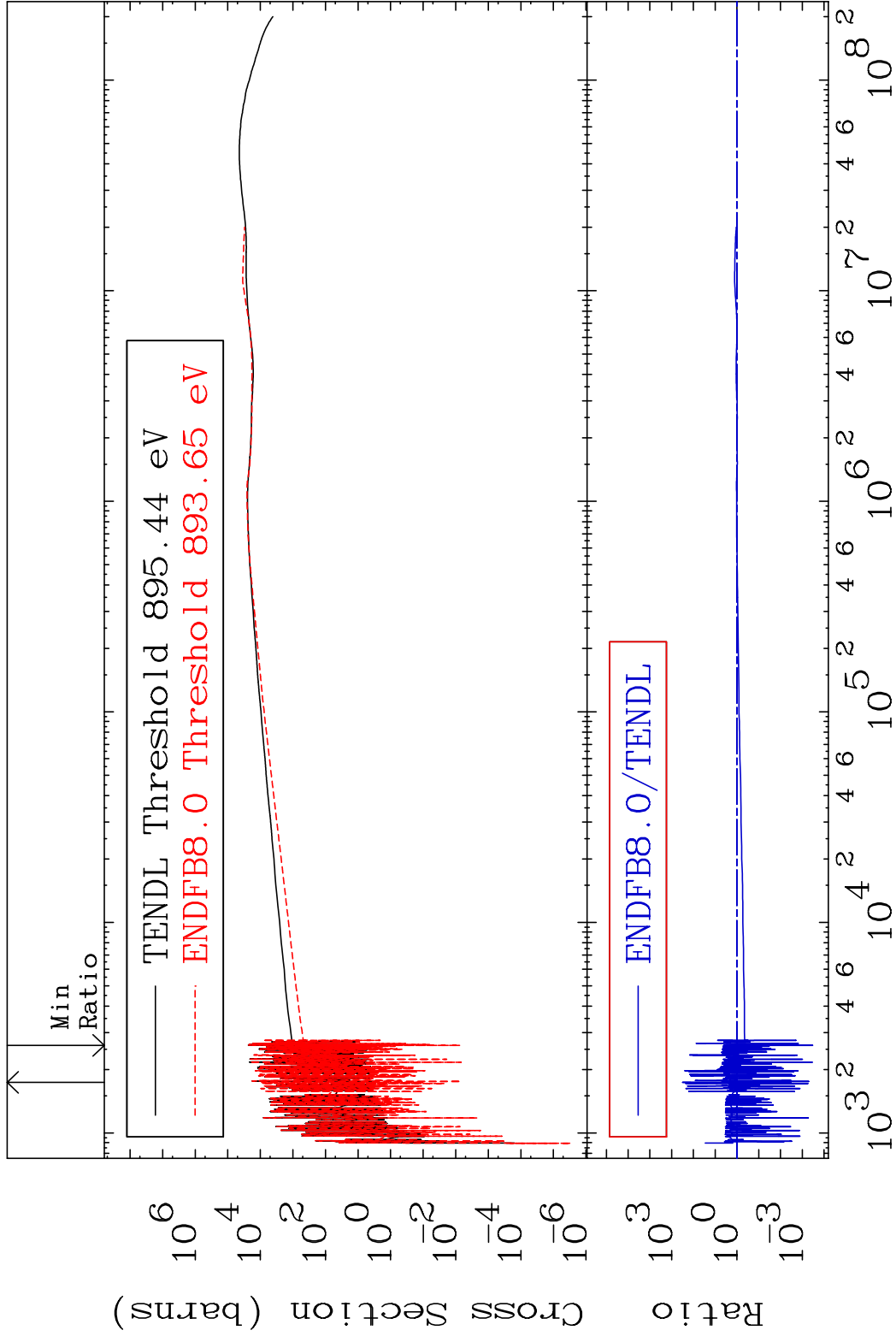


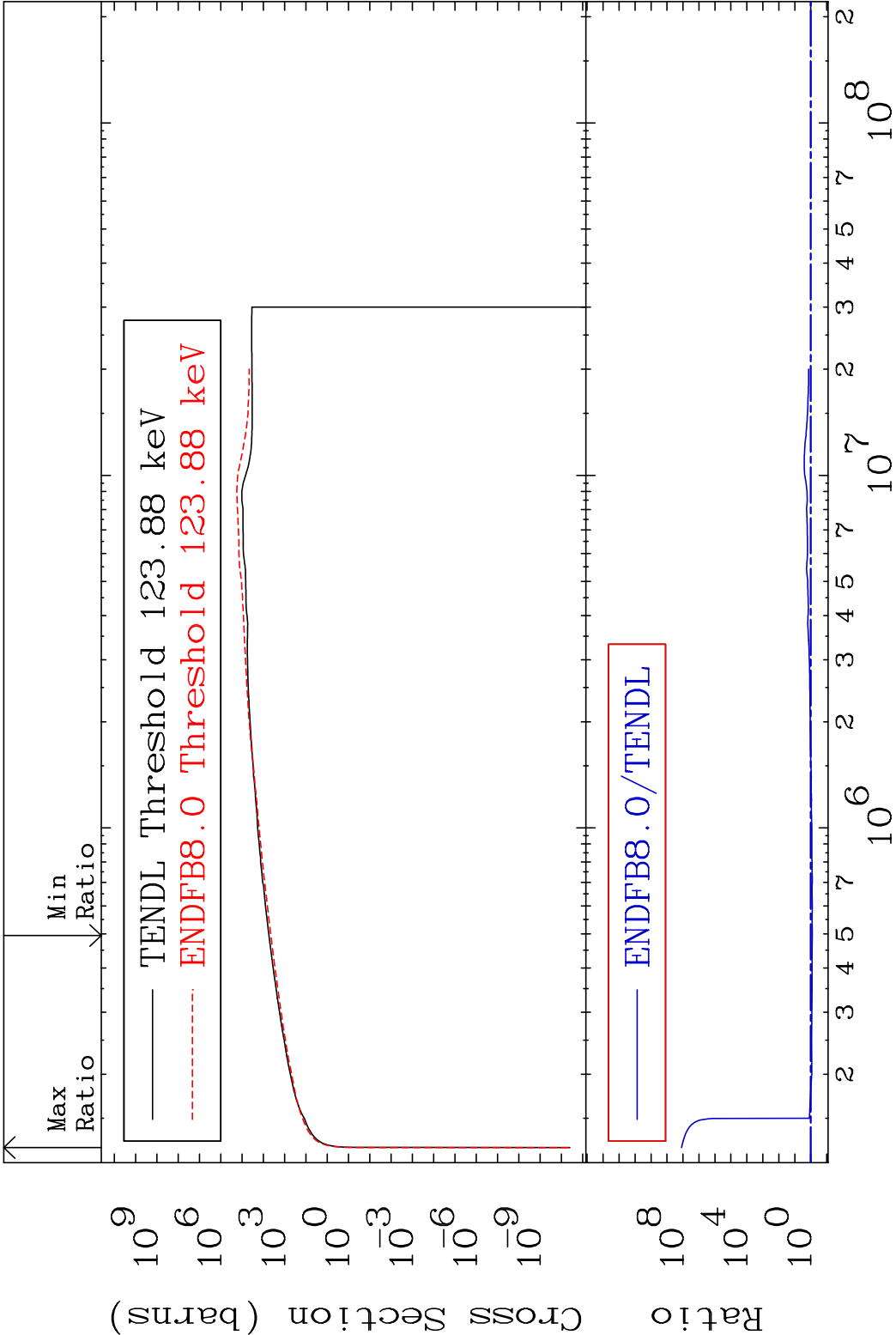
MAT 6431 Dpa total (eV-barns) 64-Gd-154

Cross Section -100.0 To 9999. %



50 Incident Energy (eV) 64-Gd-154





MAT 6431 Dpa disappearance (mt102 -120) 64-Gd-154
Cross Section -100.0 To 9999. %

