

Program Complot
(Version 2021-1)

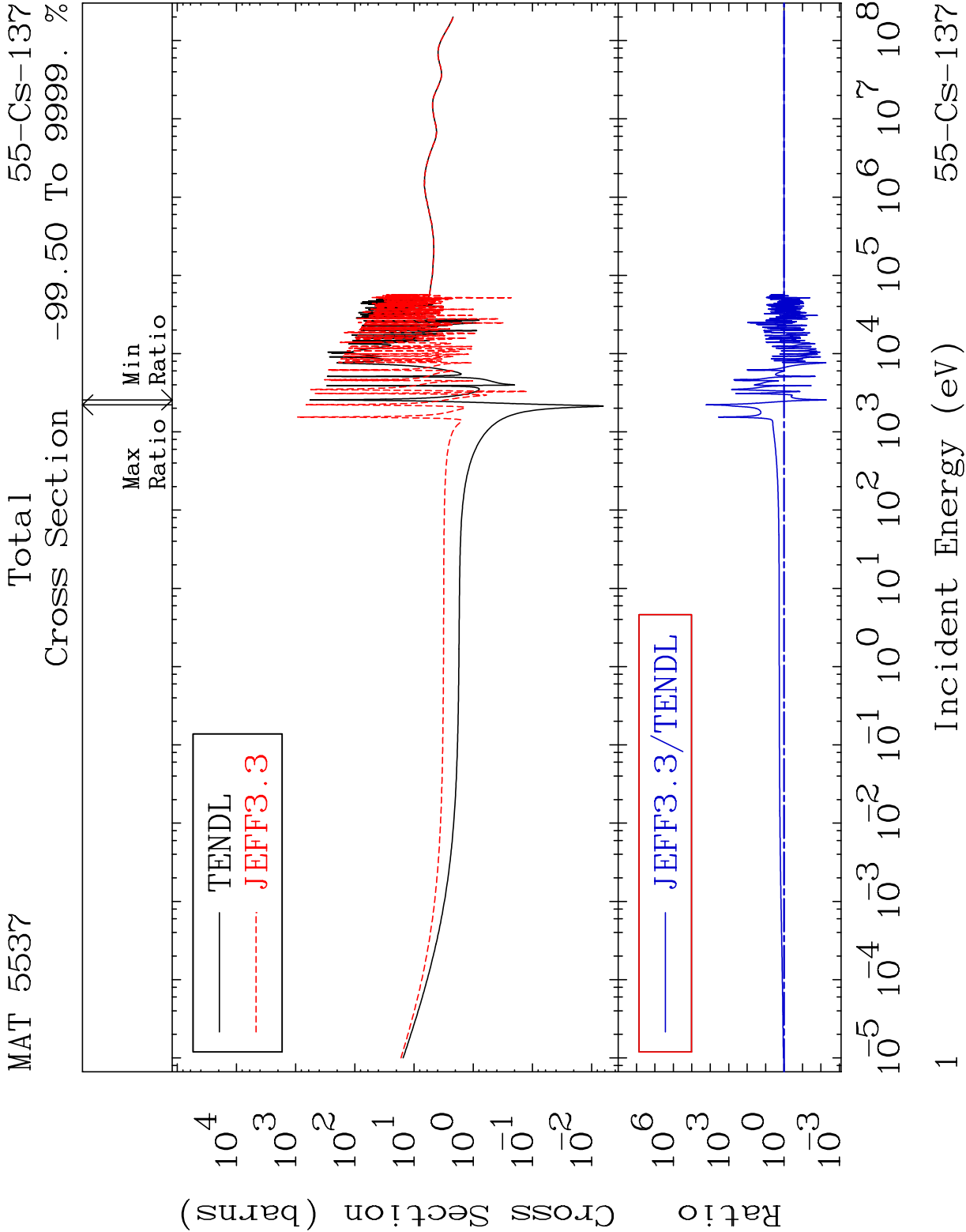
by

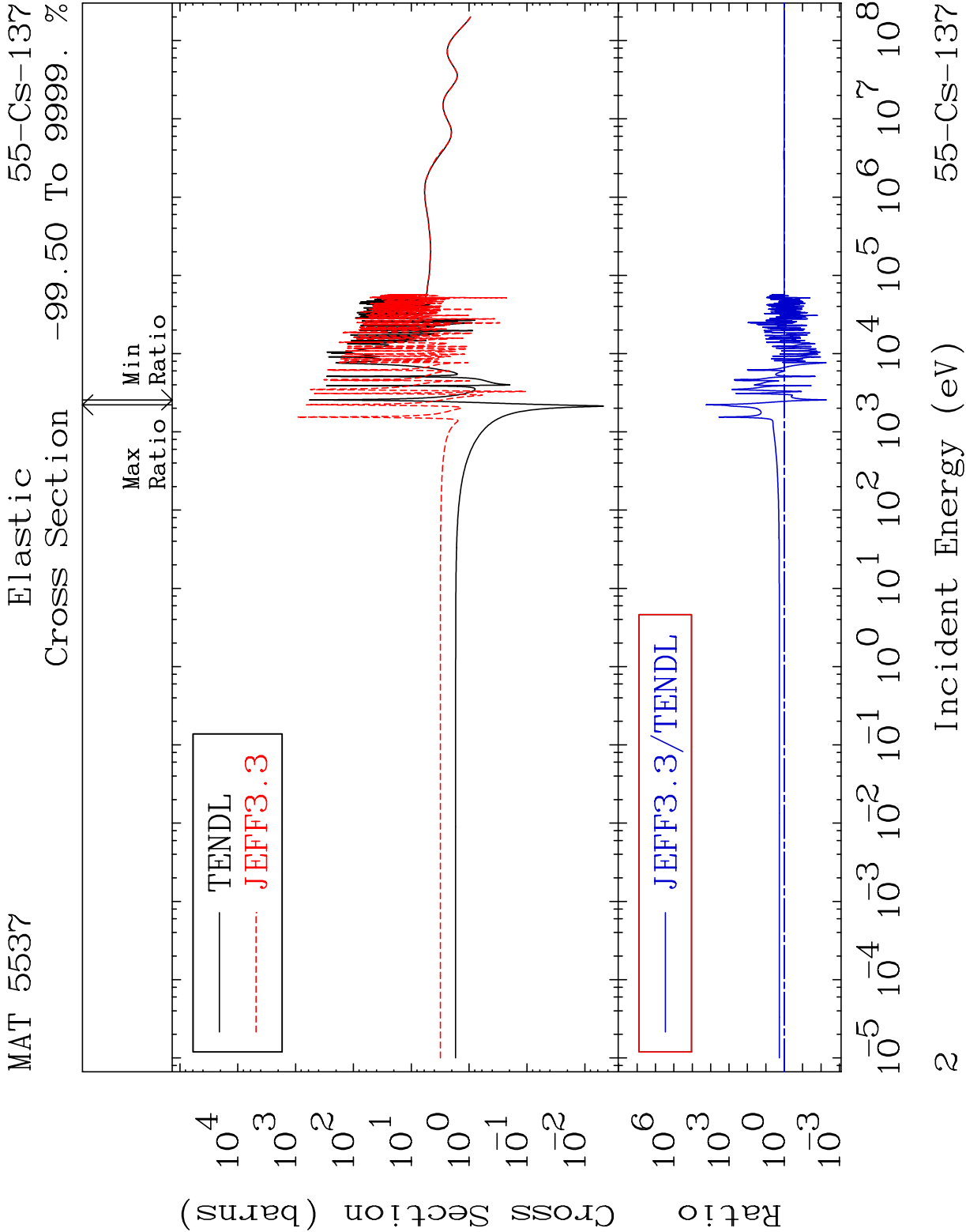
Dermott E. Cullen
(Present Contact Information)

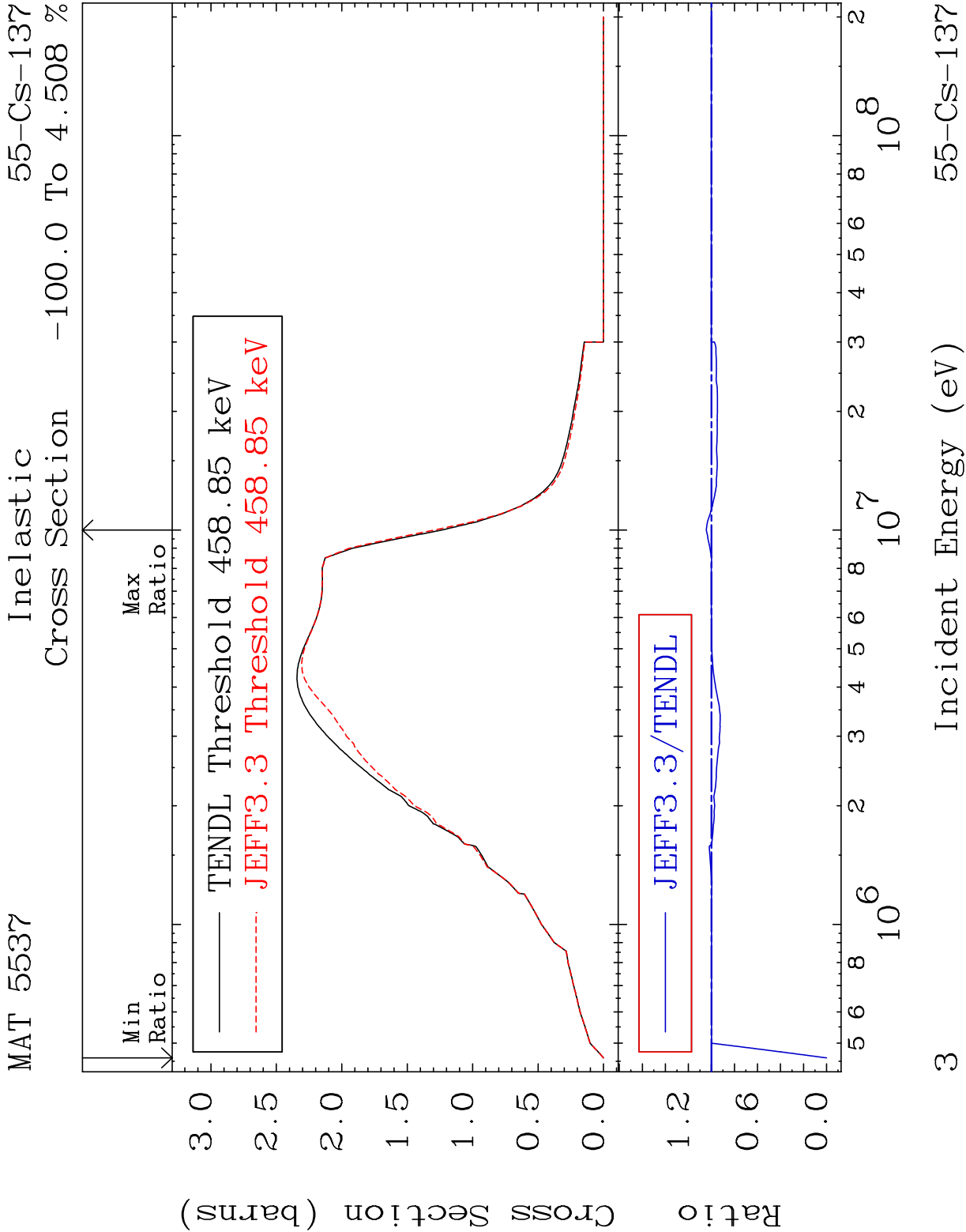
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

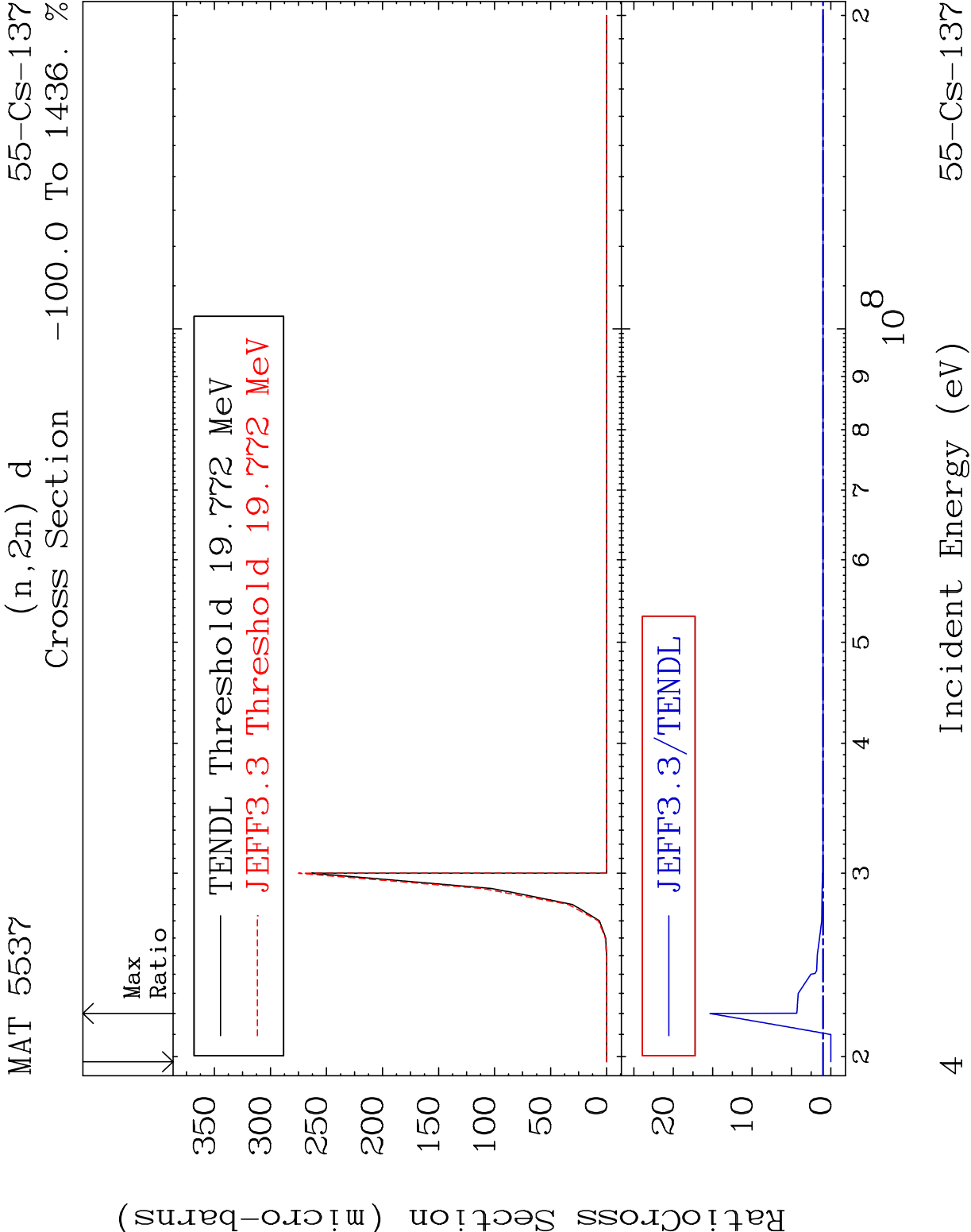
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

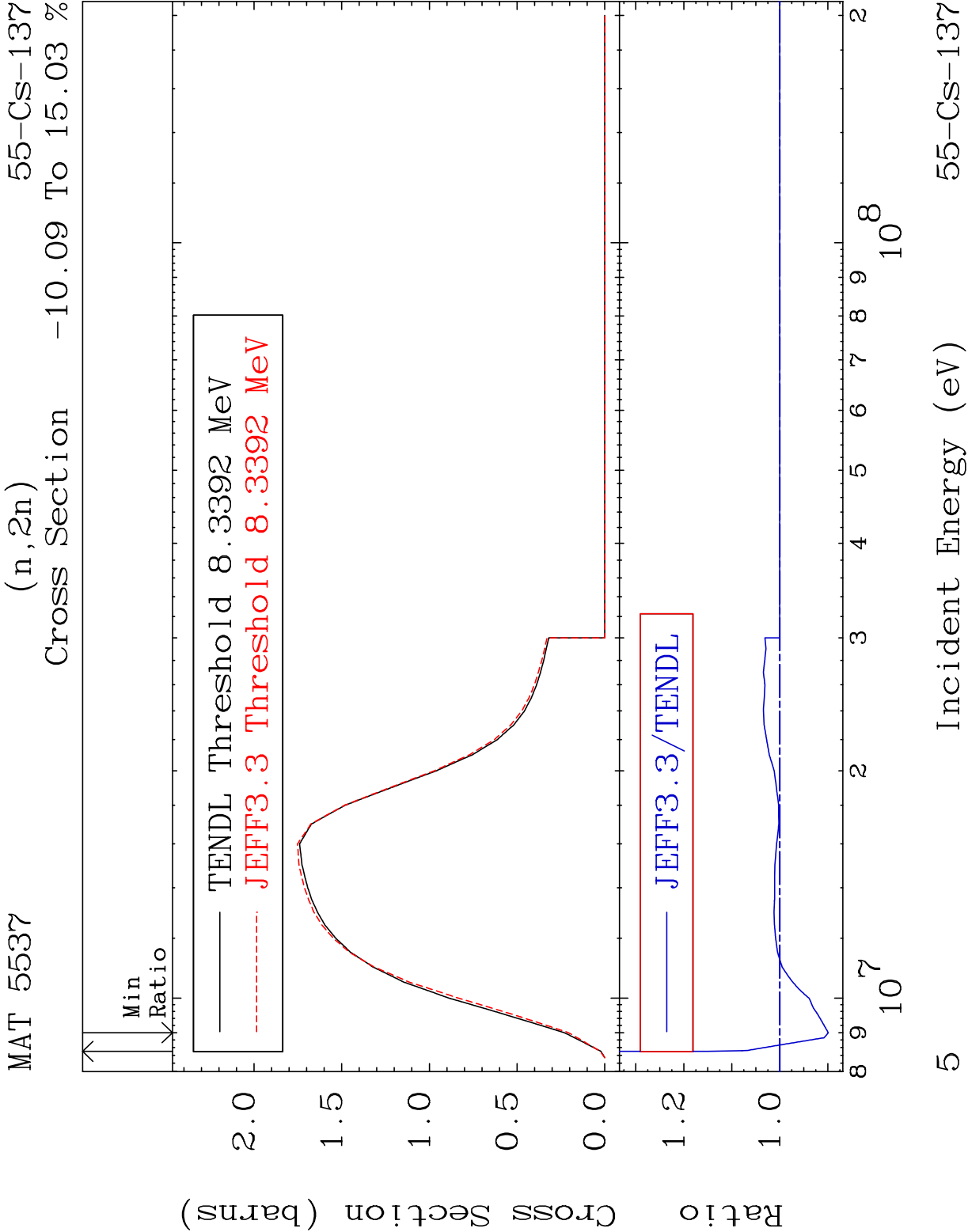
Press Mouse Button to Start

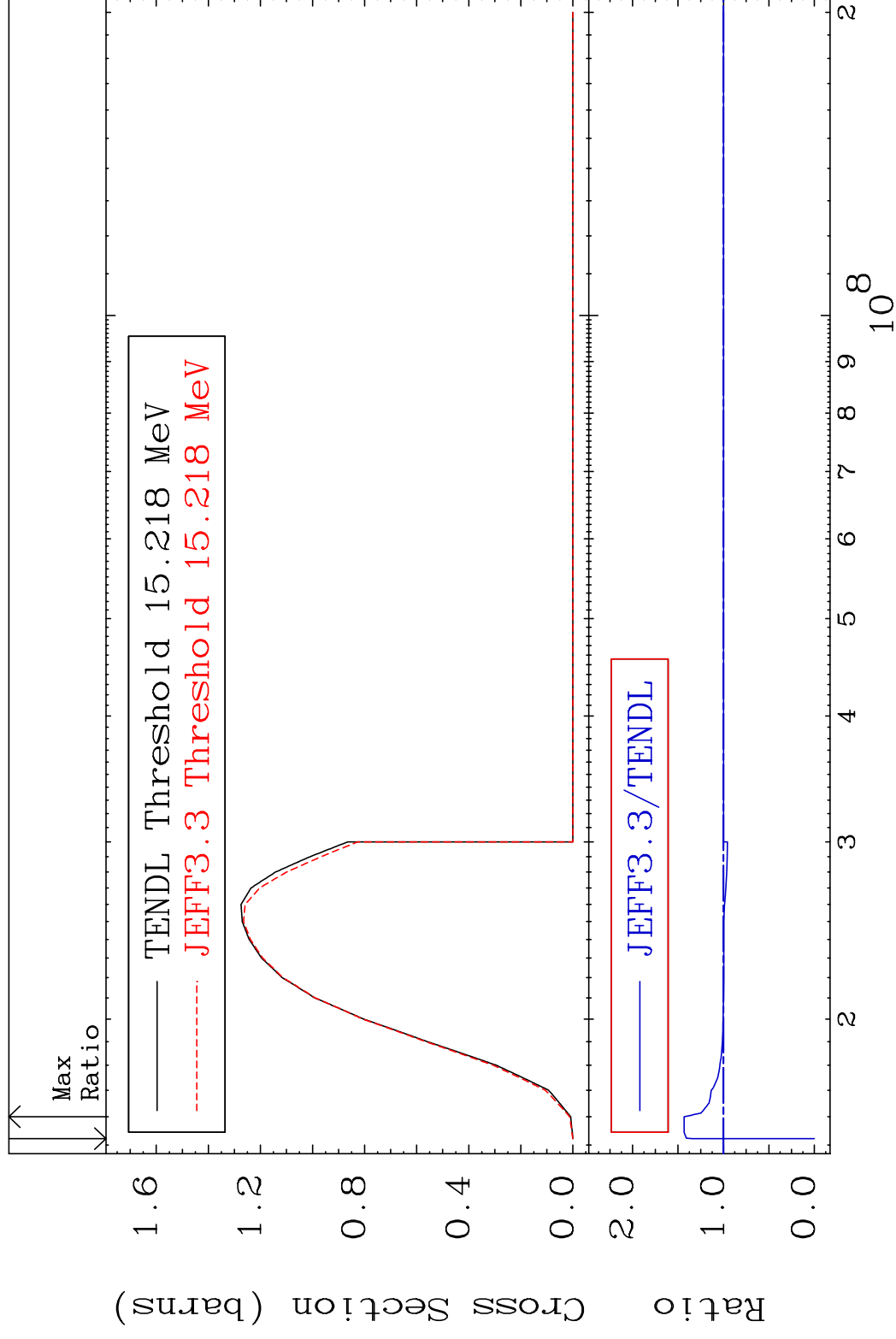










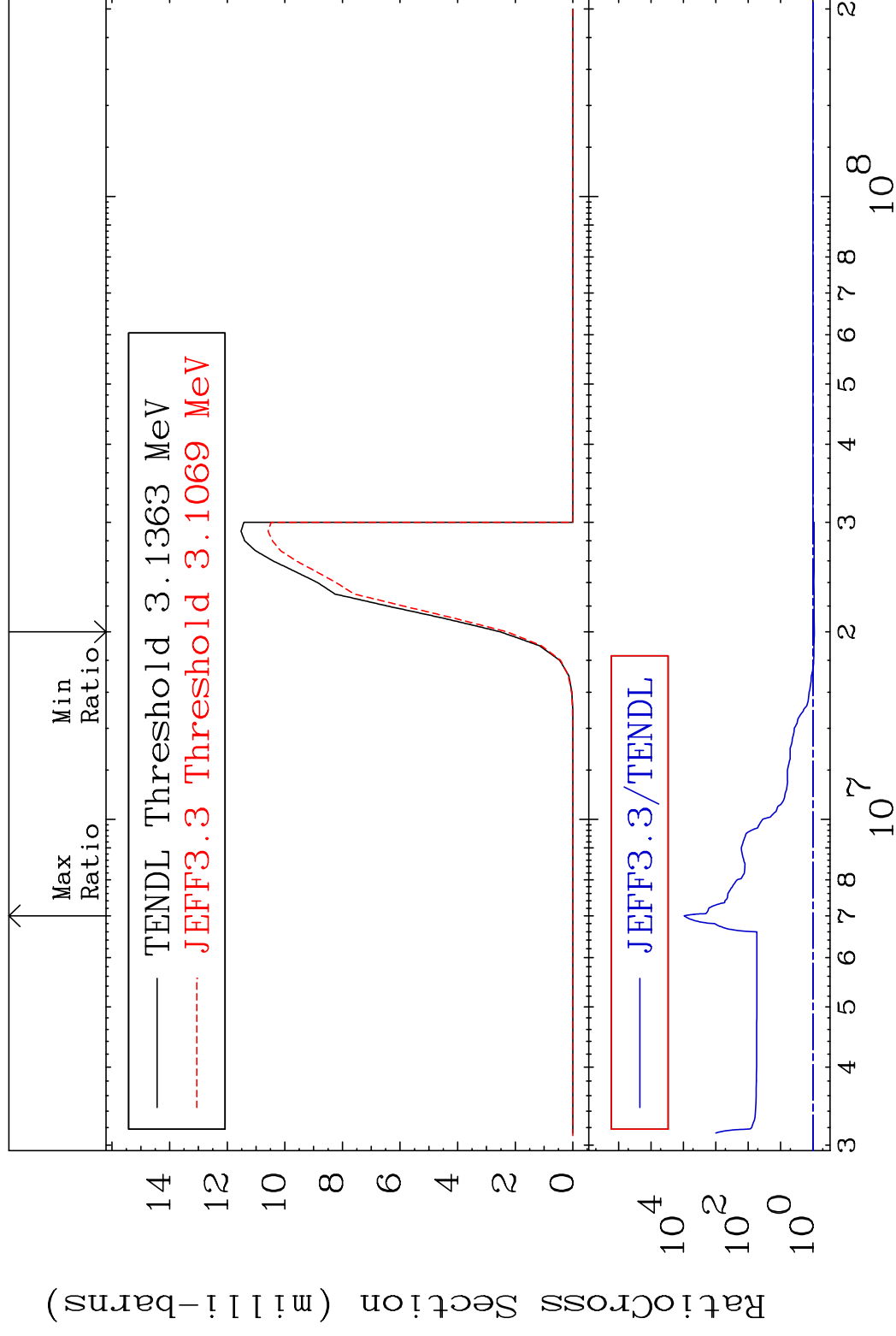


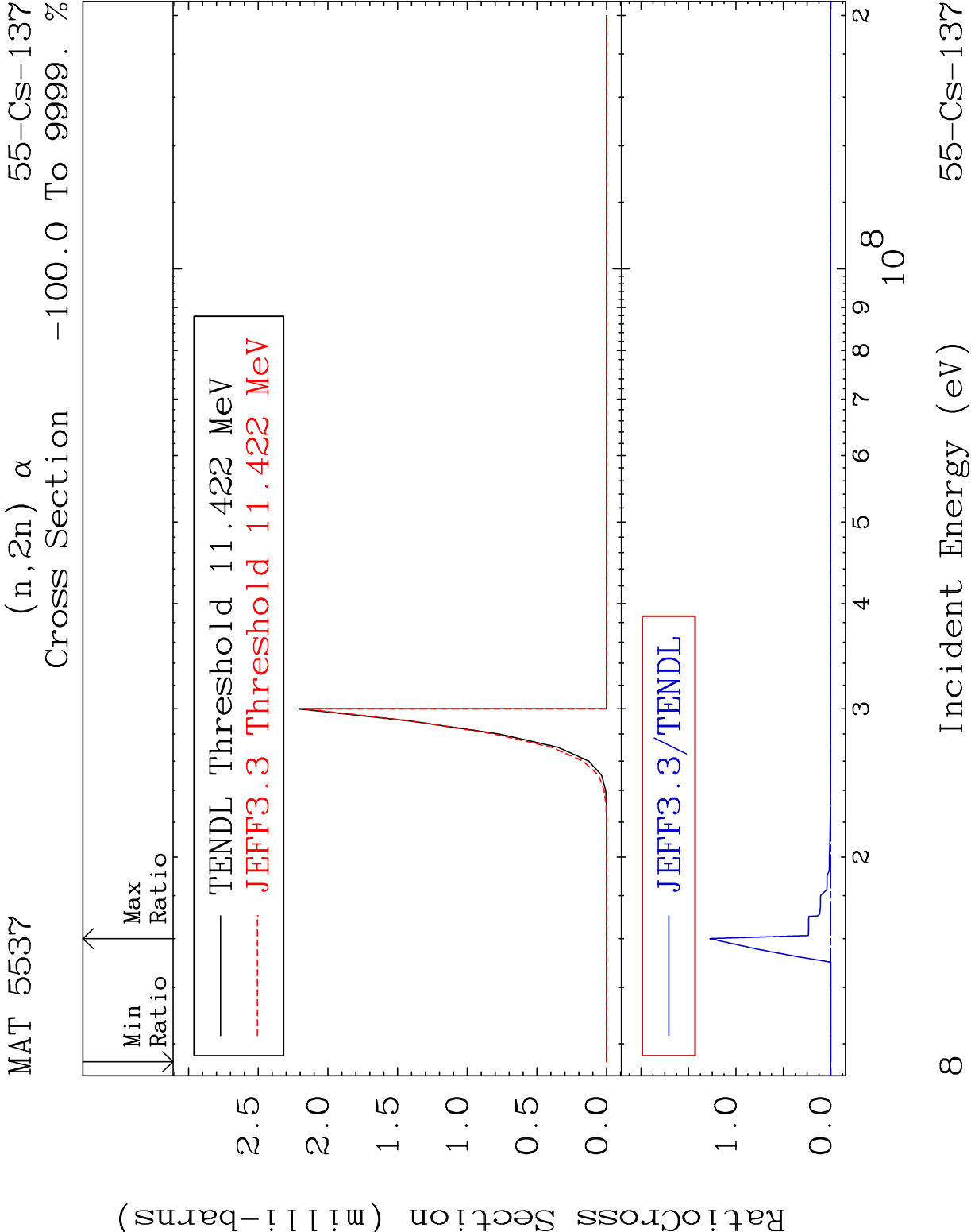
MAT 5537

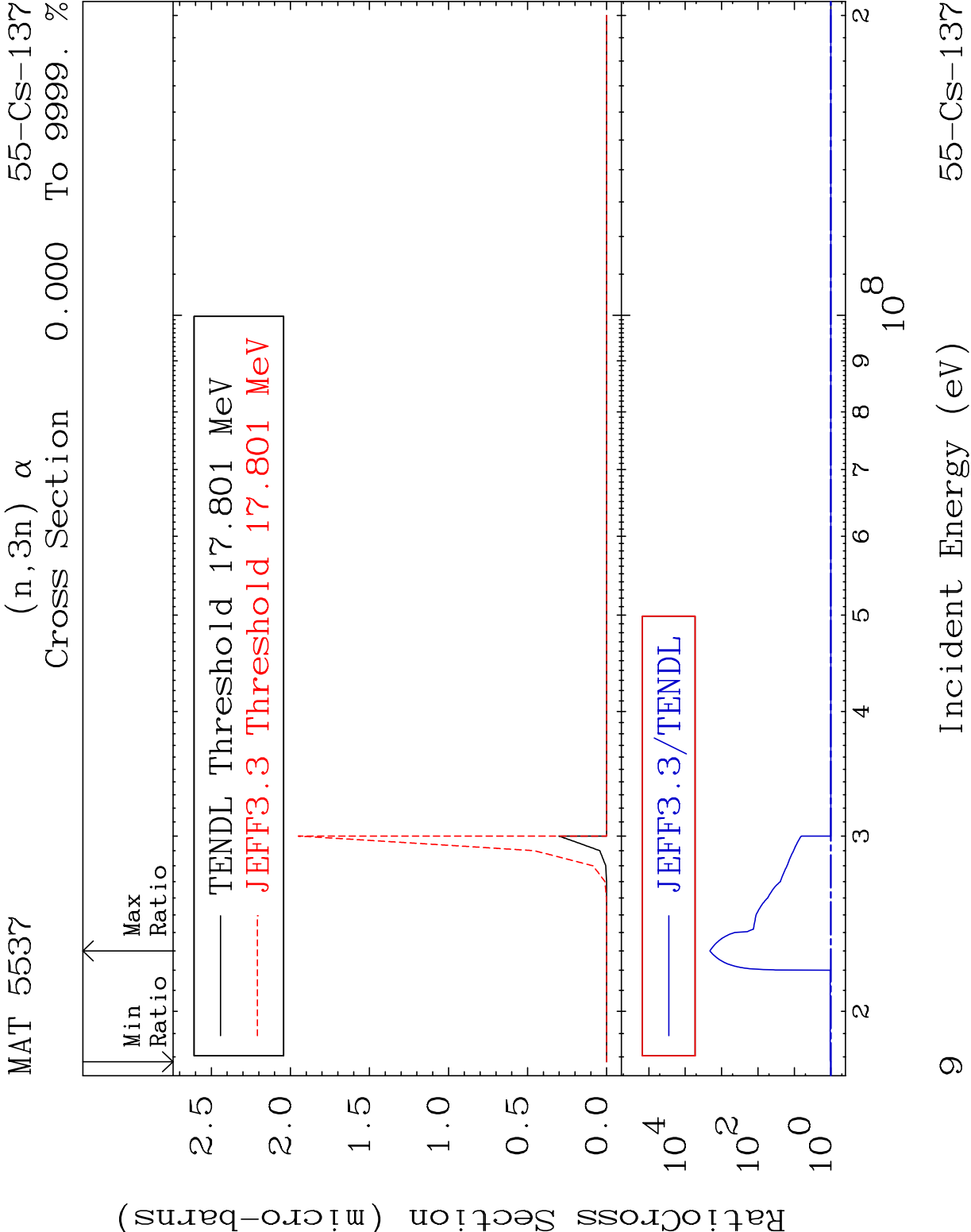
$$(n, n') \propto$$

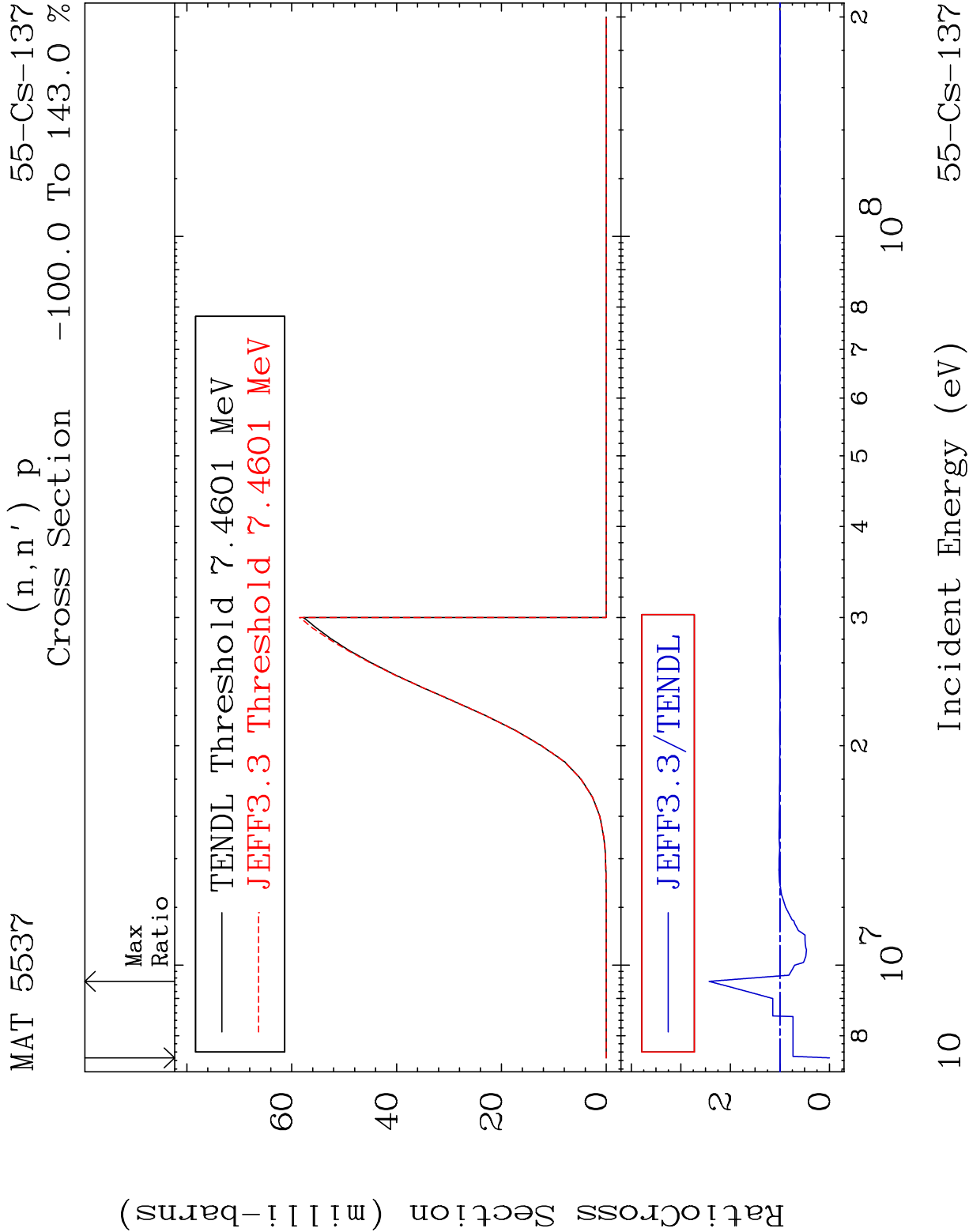
55-CS-137

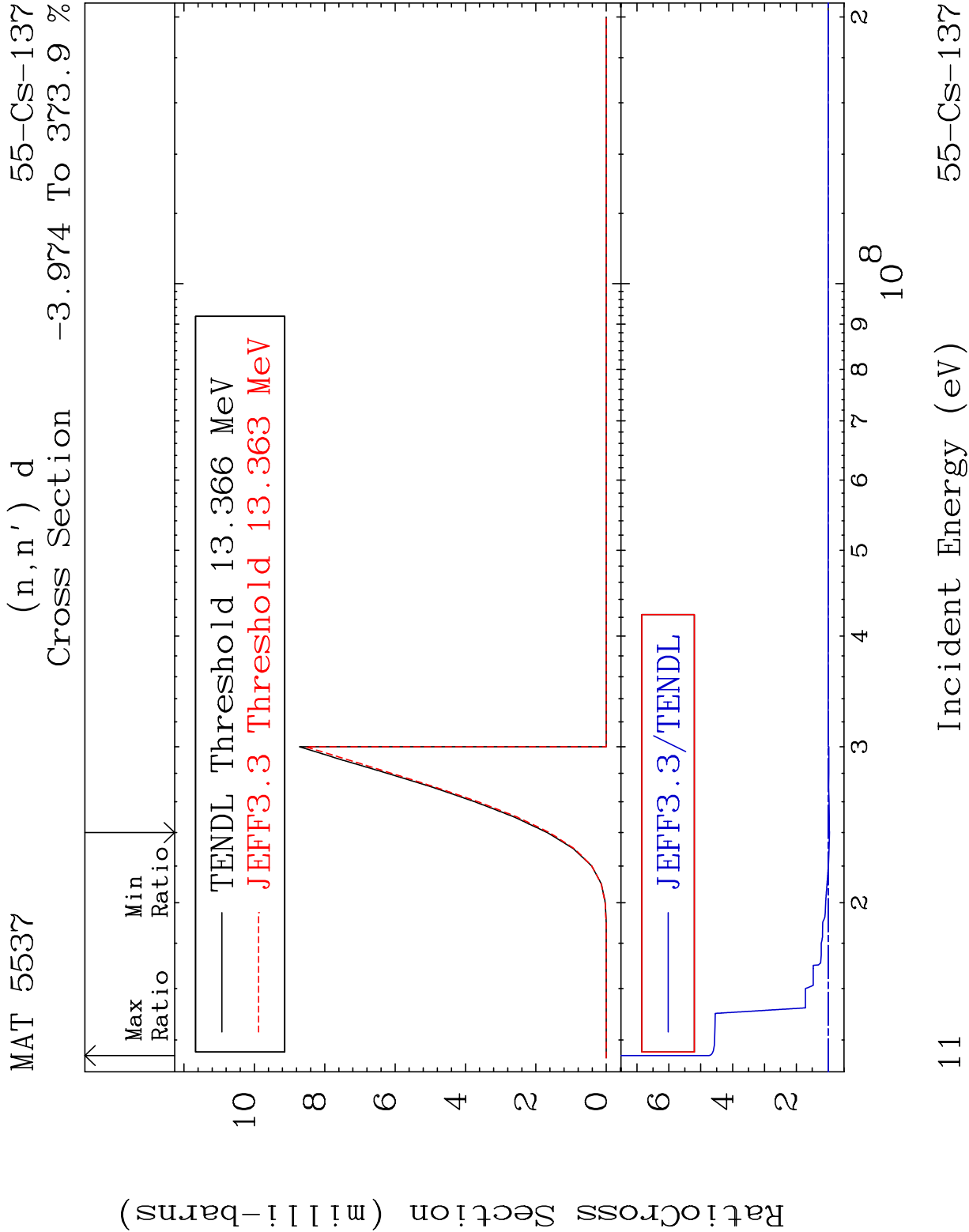
Cross Section -9.211 To 9999. %

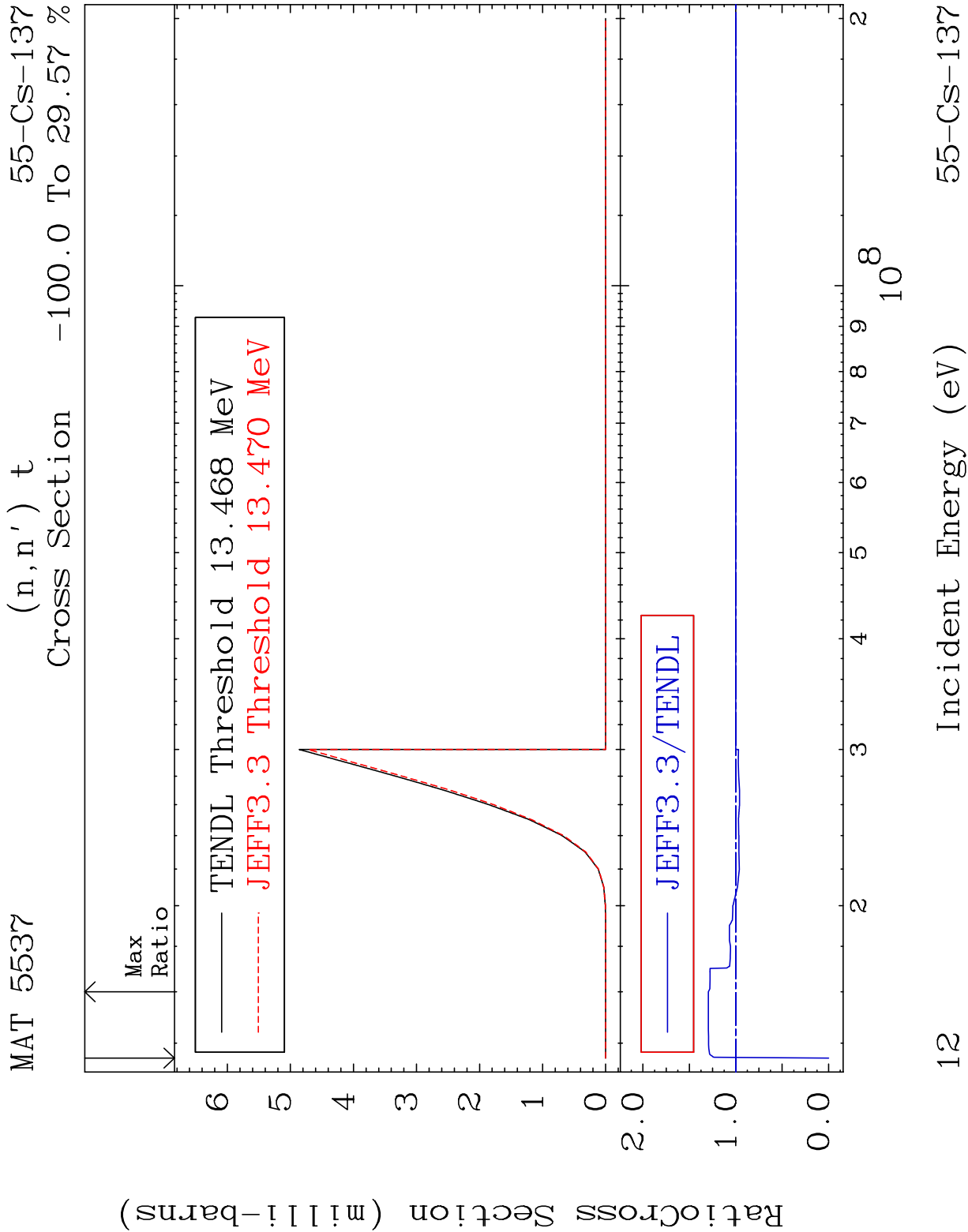


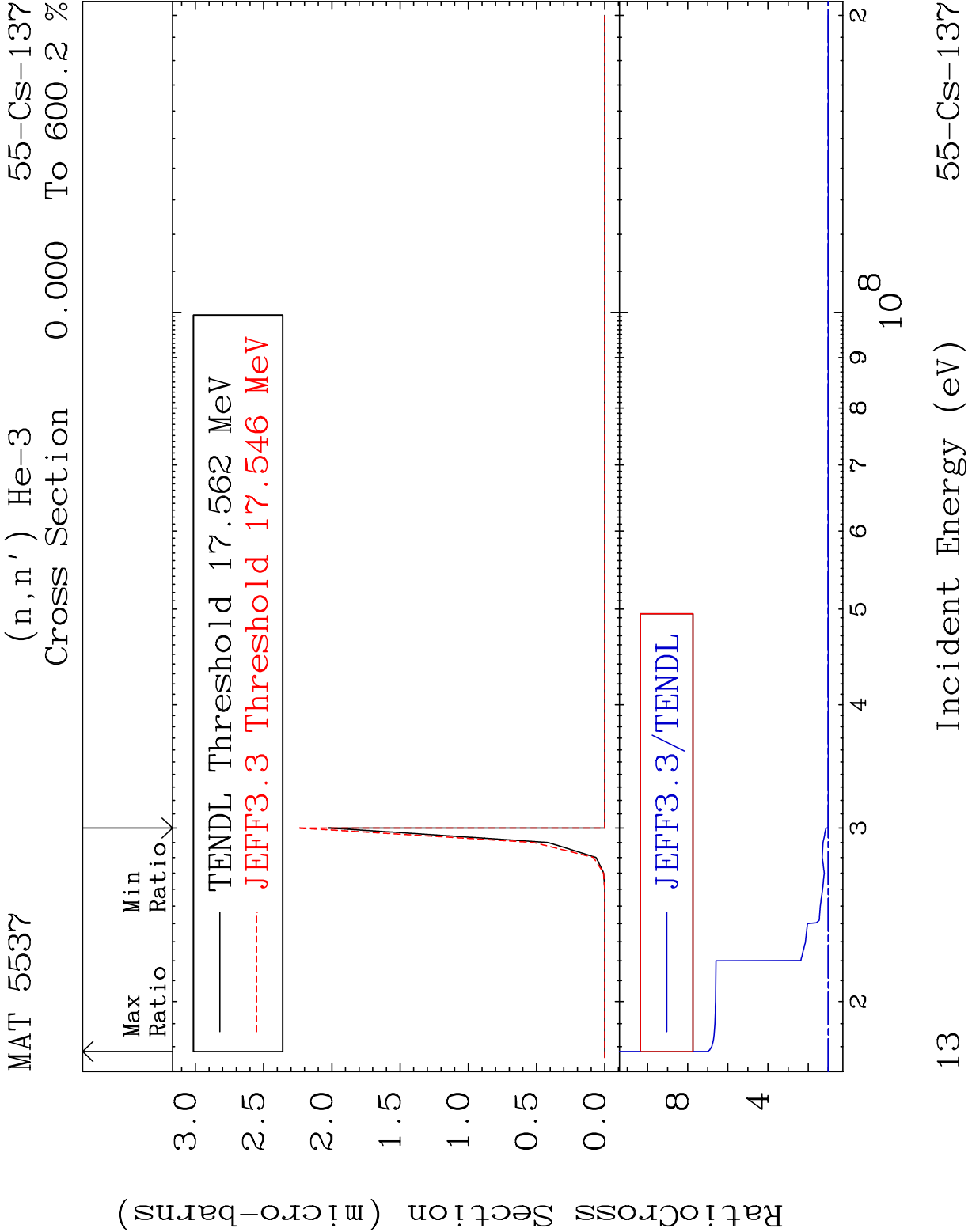


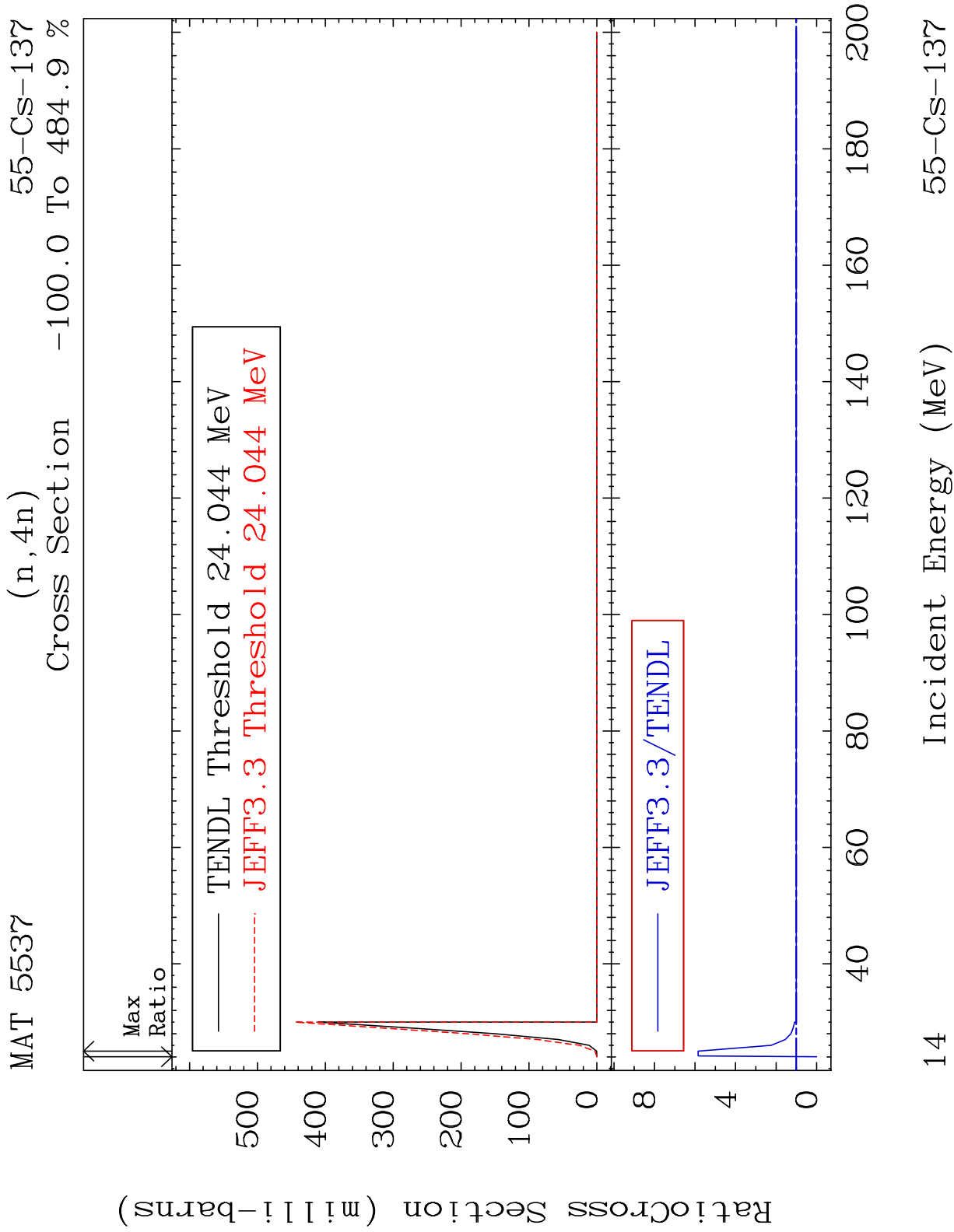


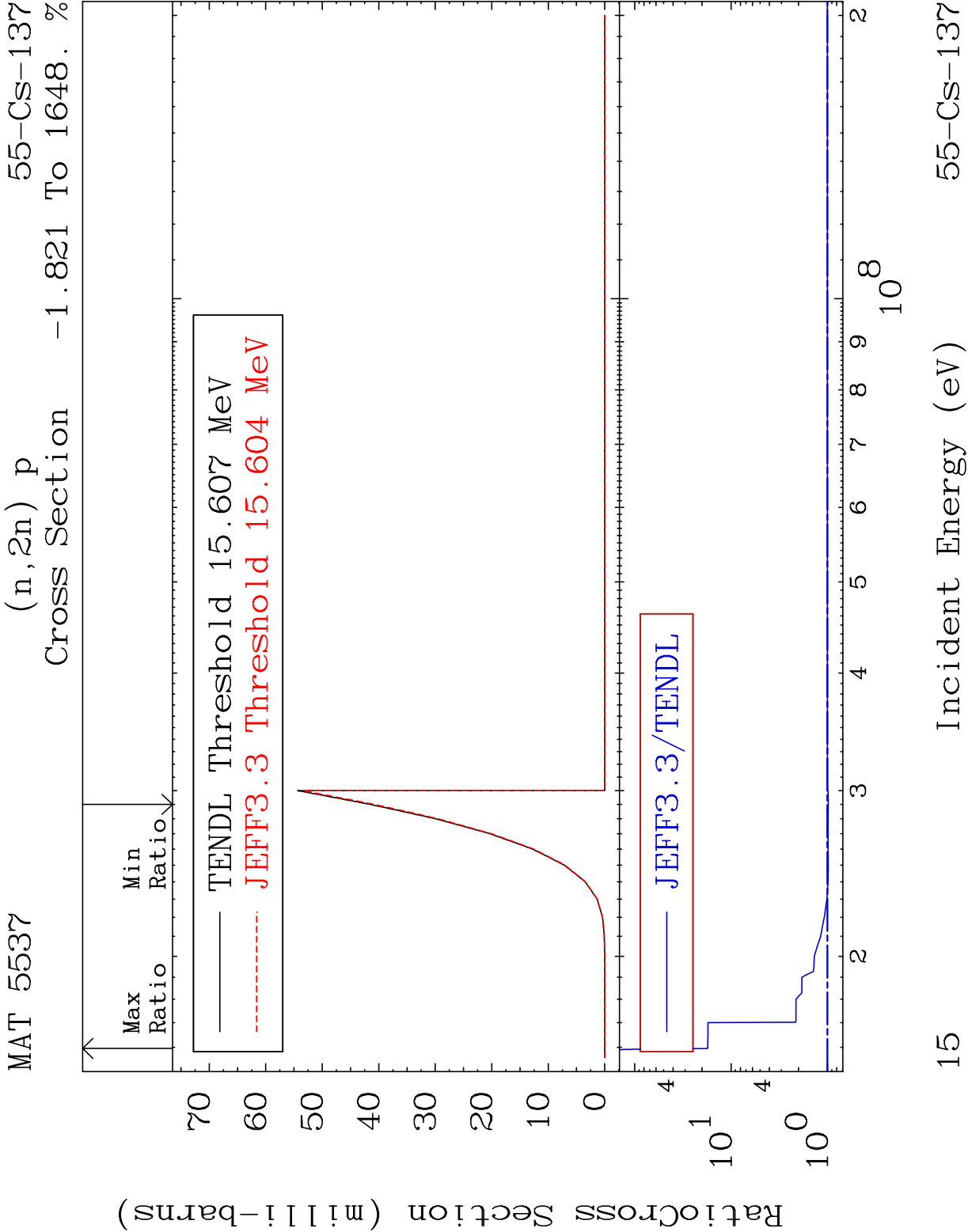


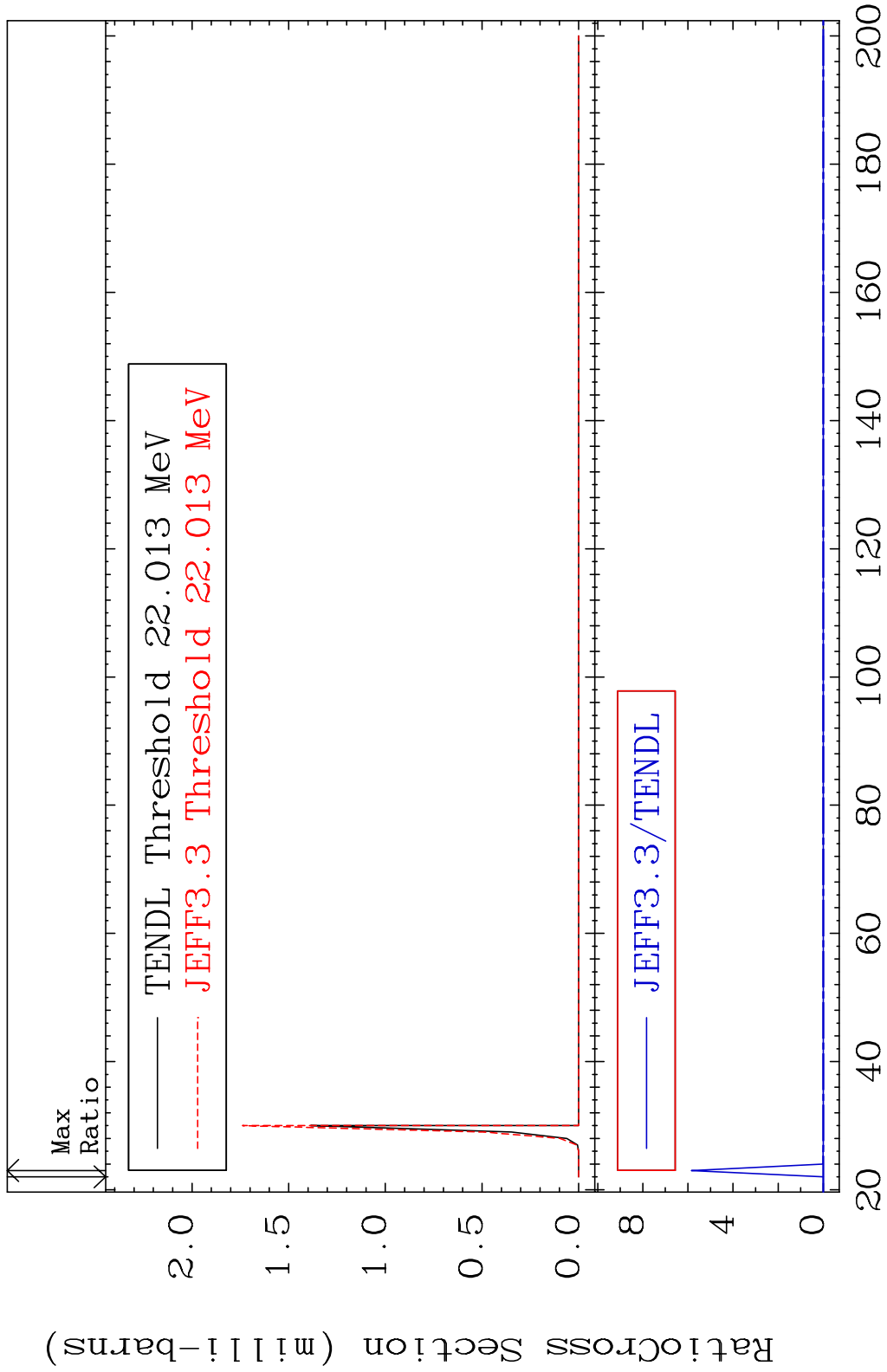


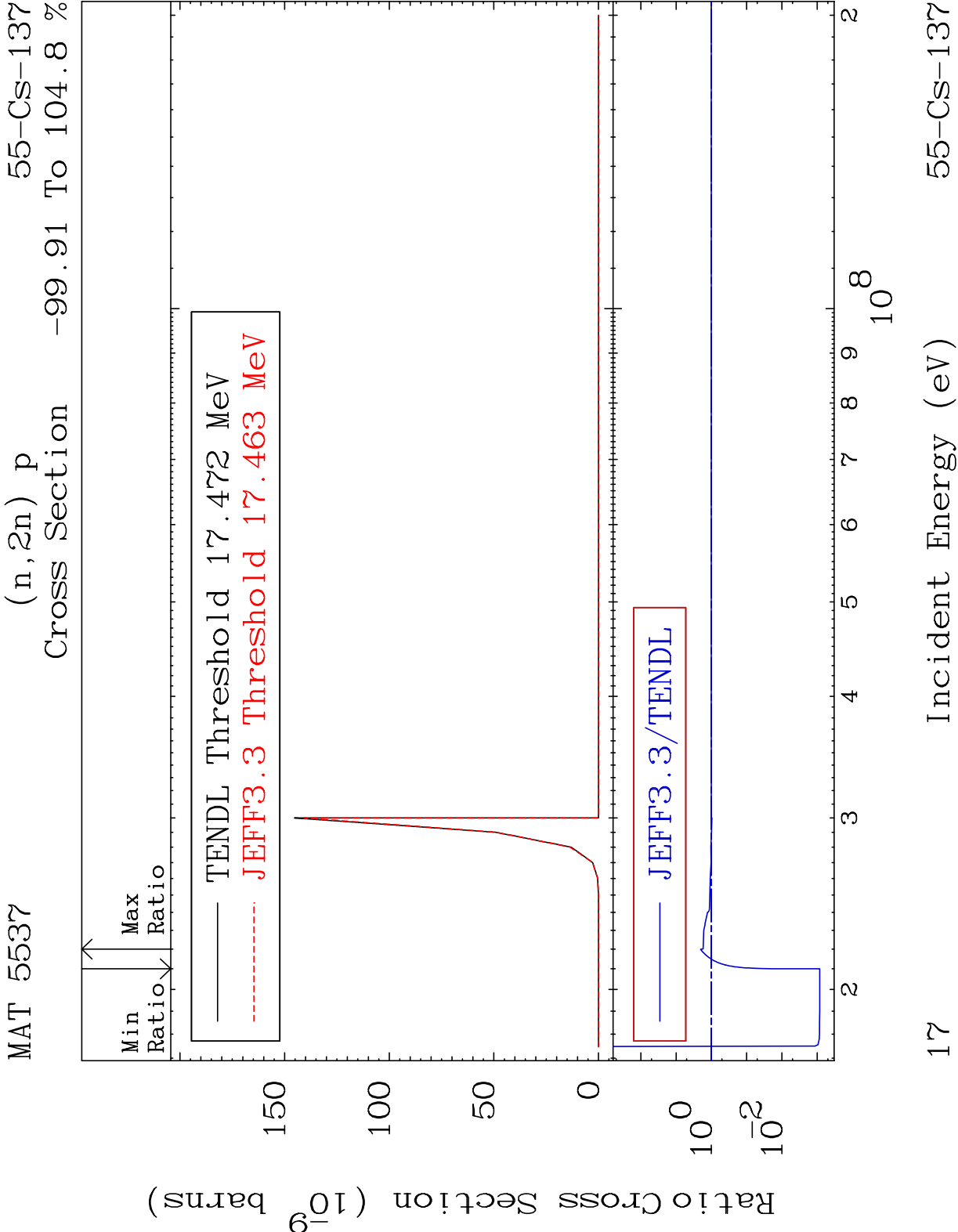


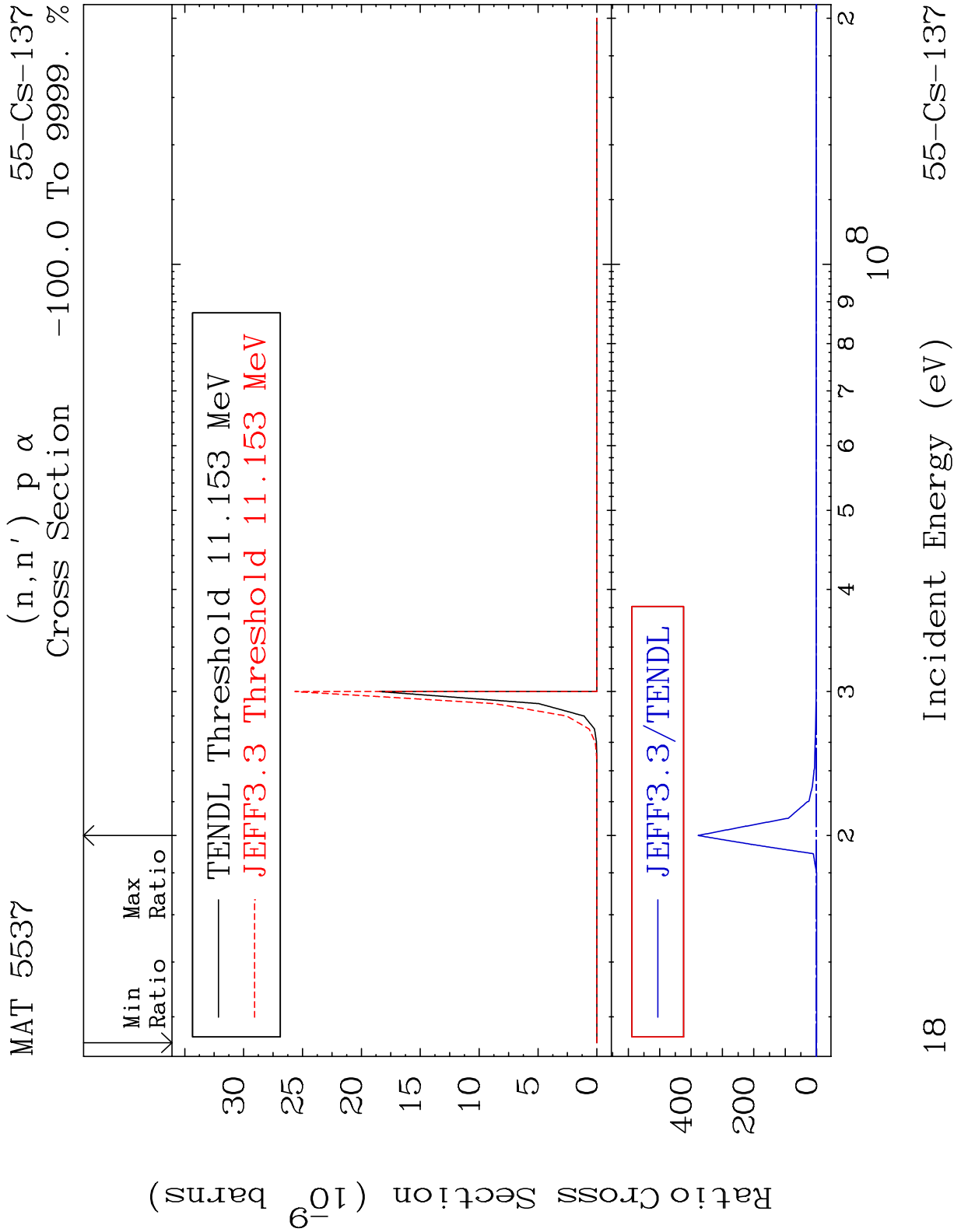




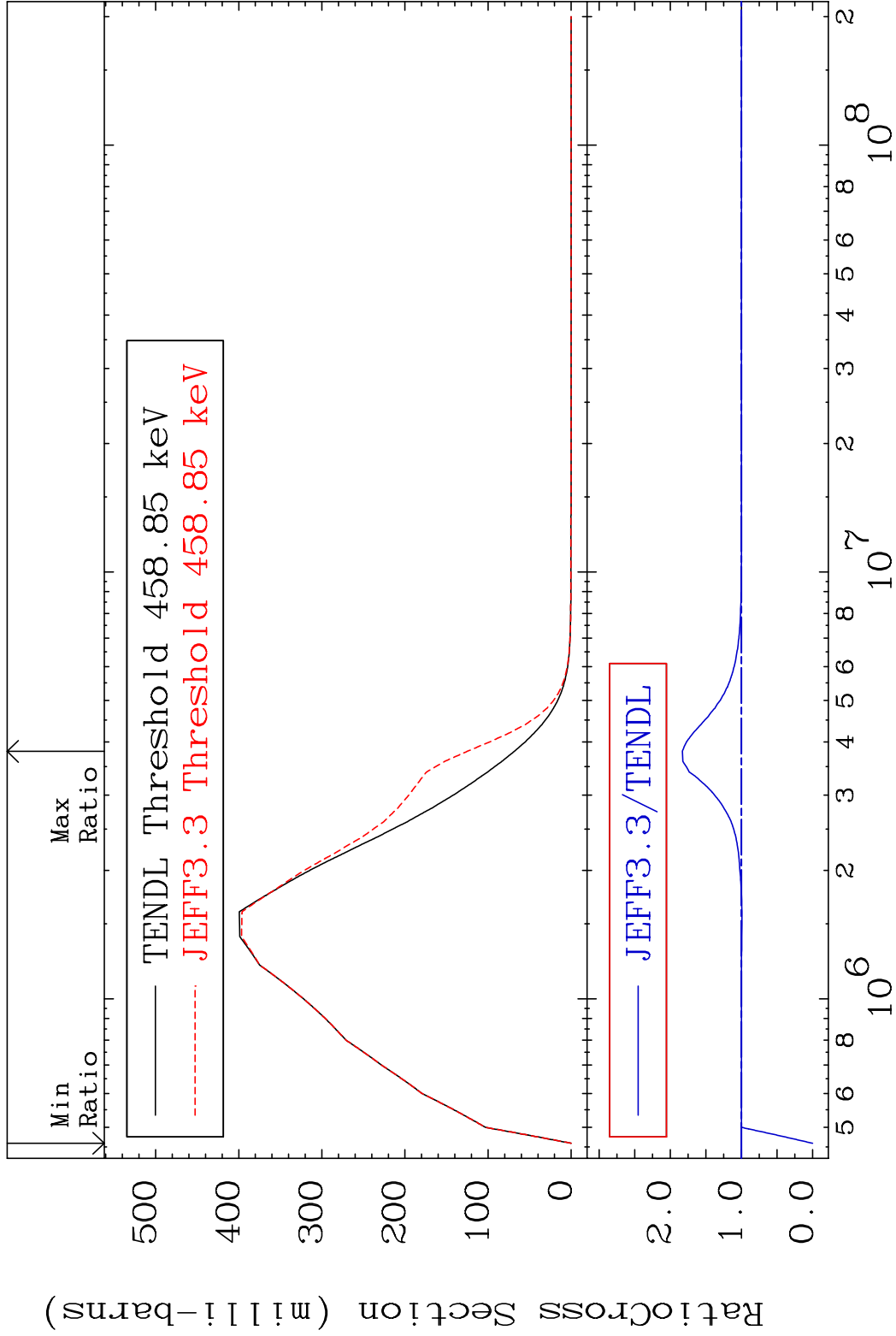


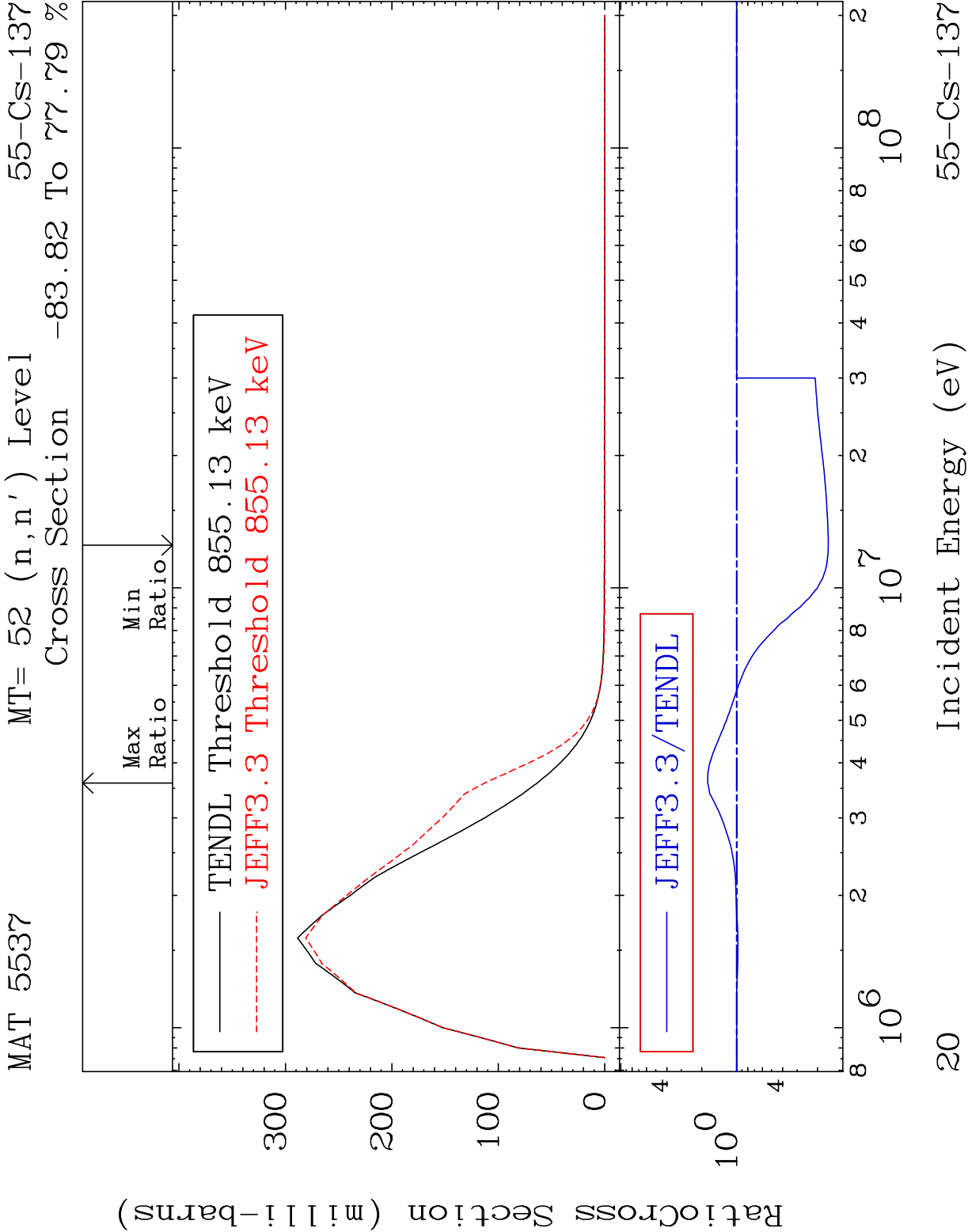




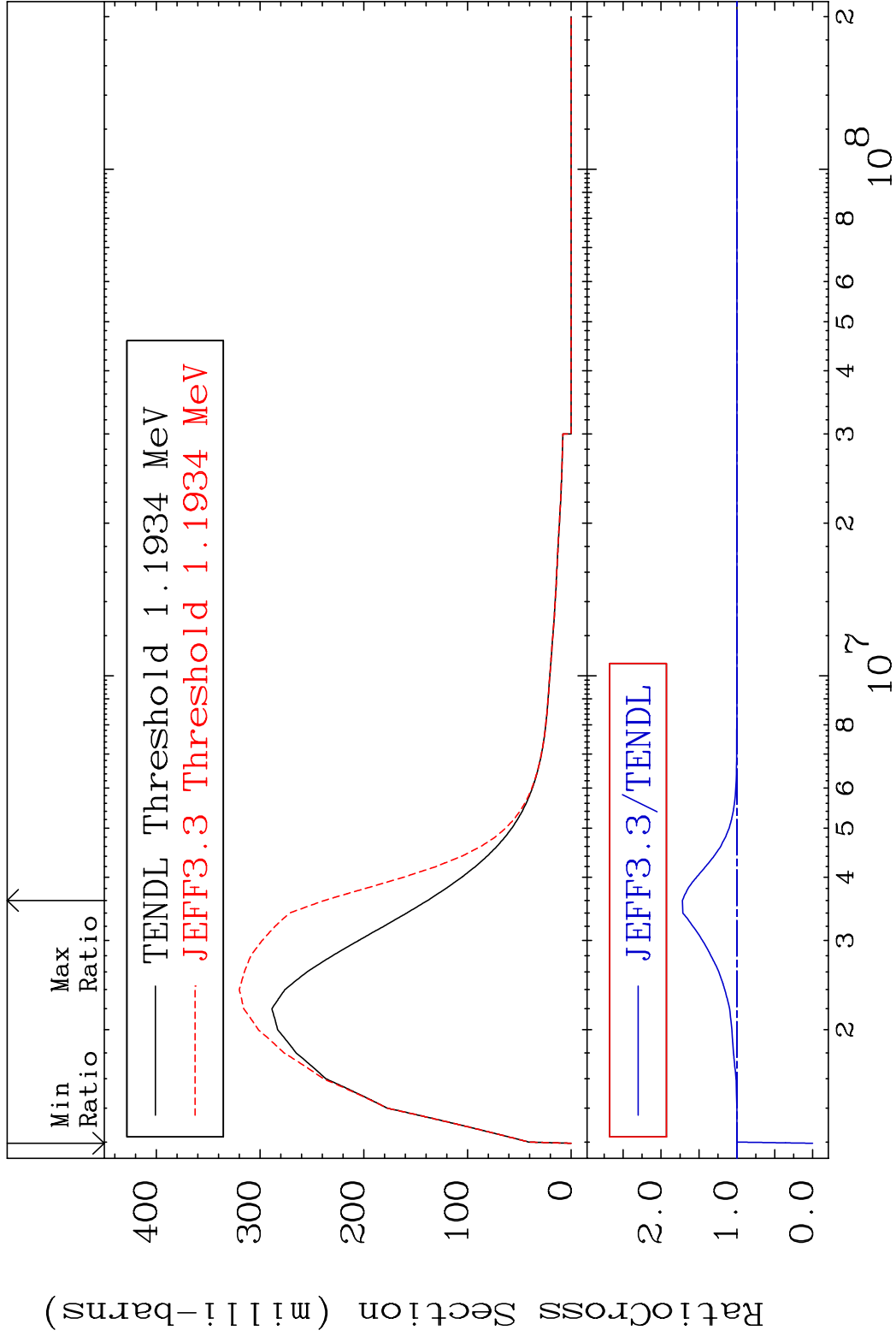


MAT 5537 MT= 51 (n,n') Level 55-Cs-137
Cross Section -100.0 To 82.95 %





MAT 5537 MT= 53 (n,n') Level 55-Cs-137
Cross Section -100.0 To 71.89 %



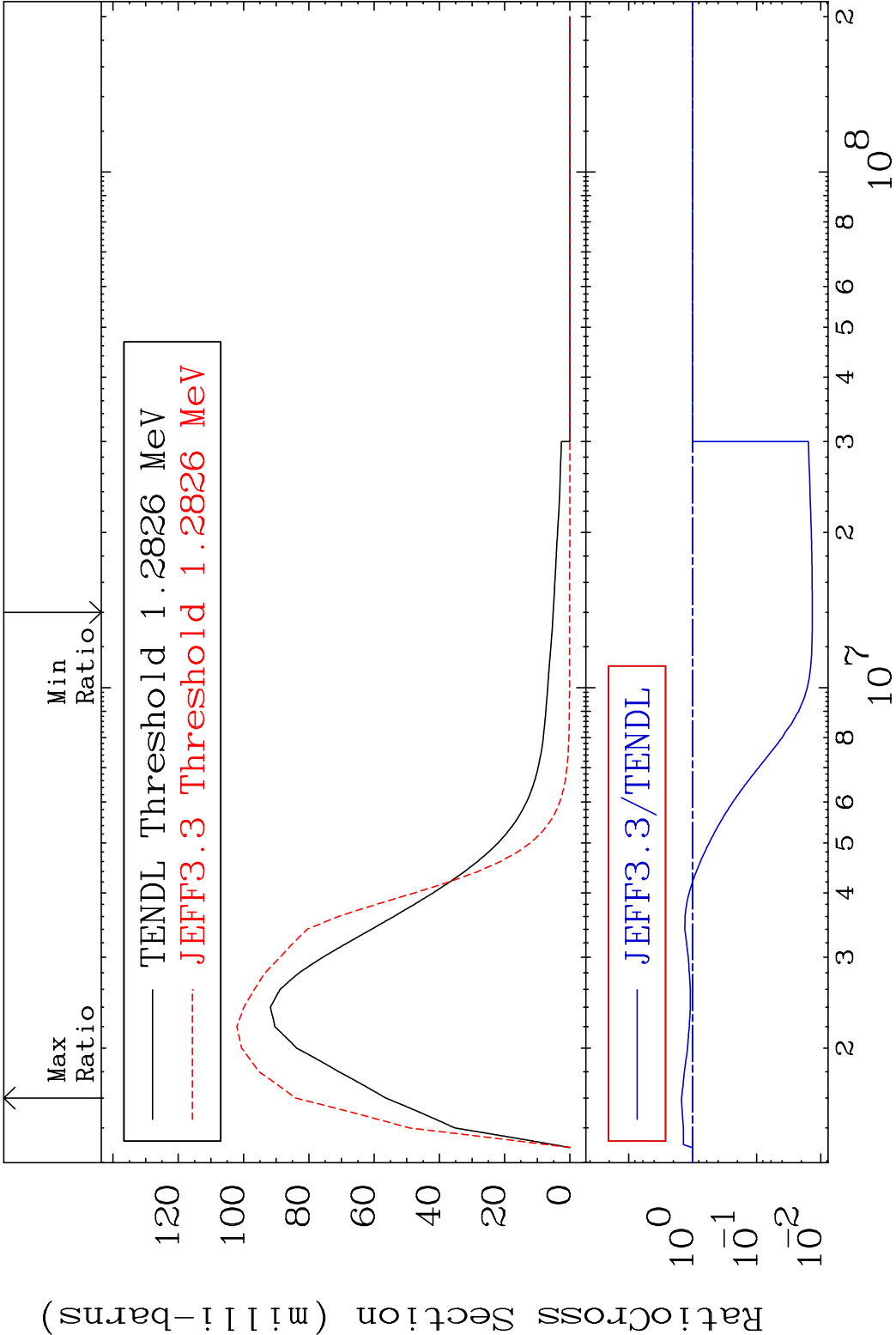
MAT 5537

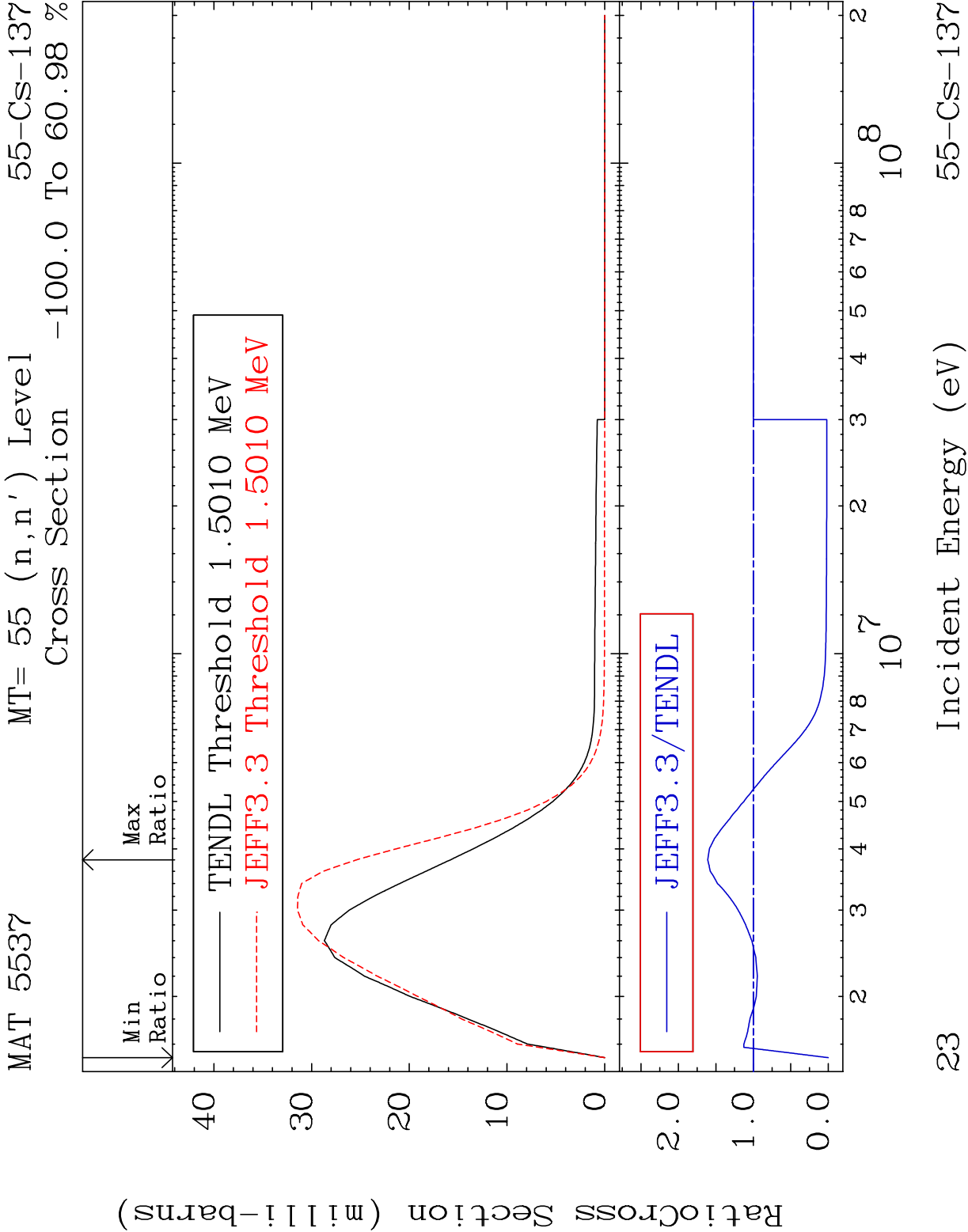
MT= 54 (n,n') Level

55-Cs-137

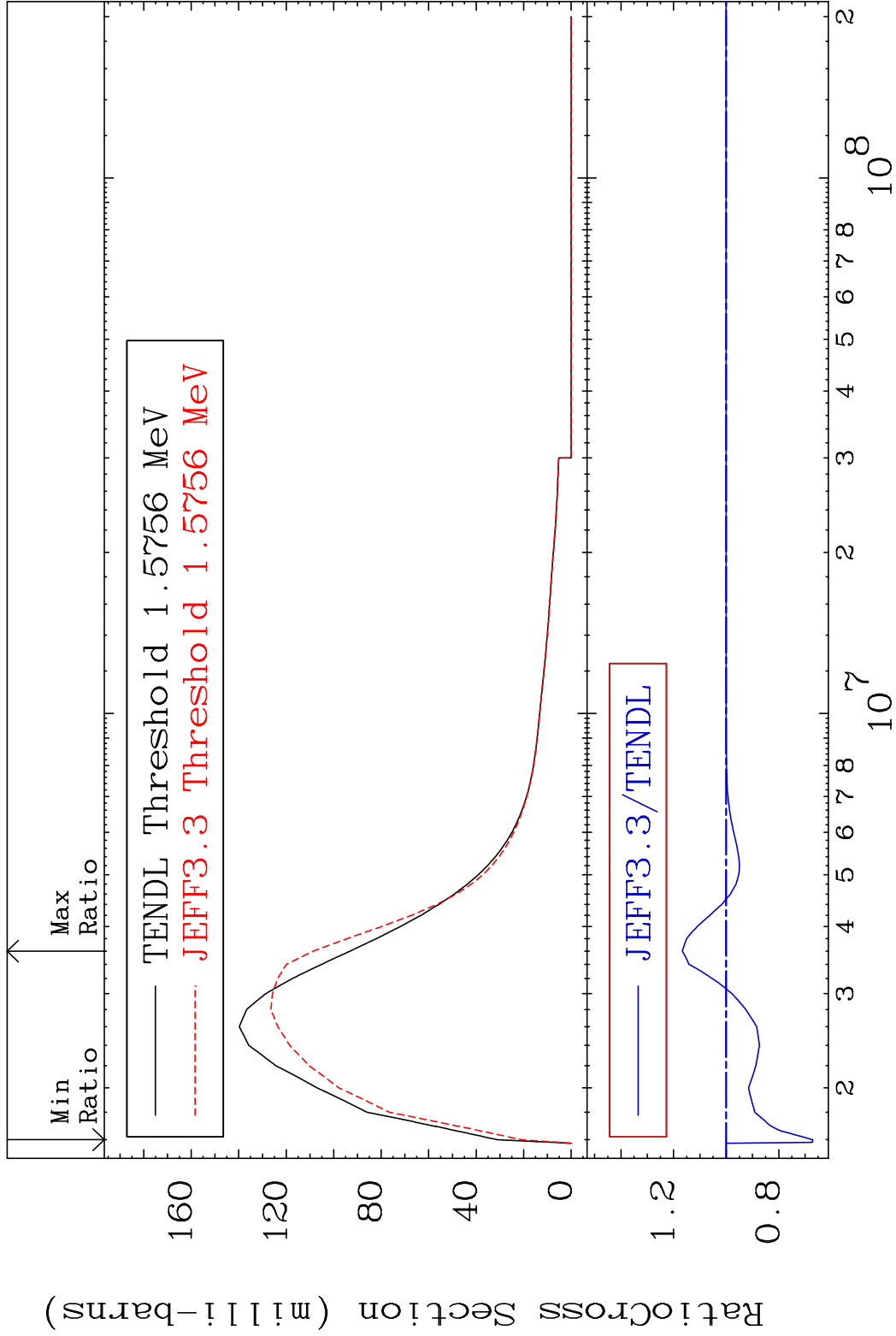
Cross Section

-98.64 To 48.98 %





MAT 5537 MT= 56 (n,n') Level 55-Cs-137
Cross Section -32.86 To 16.65 %

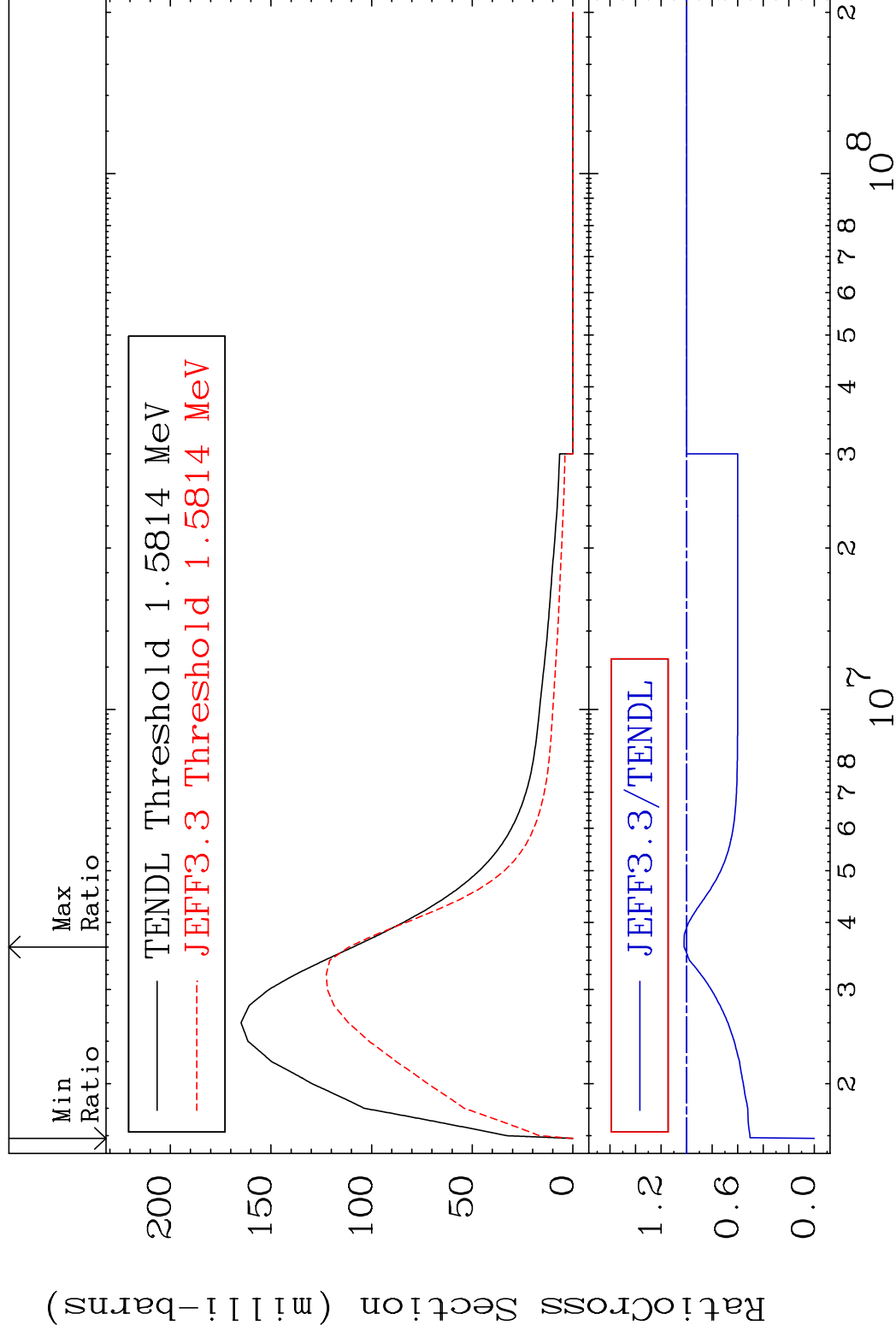


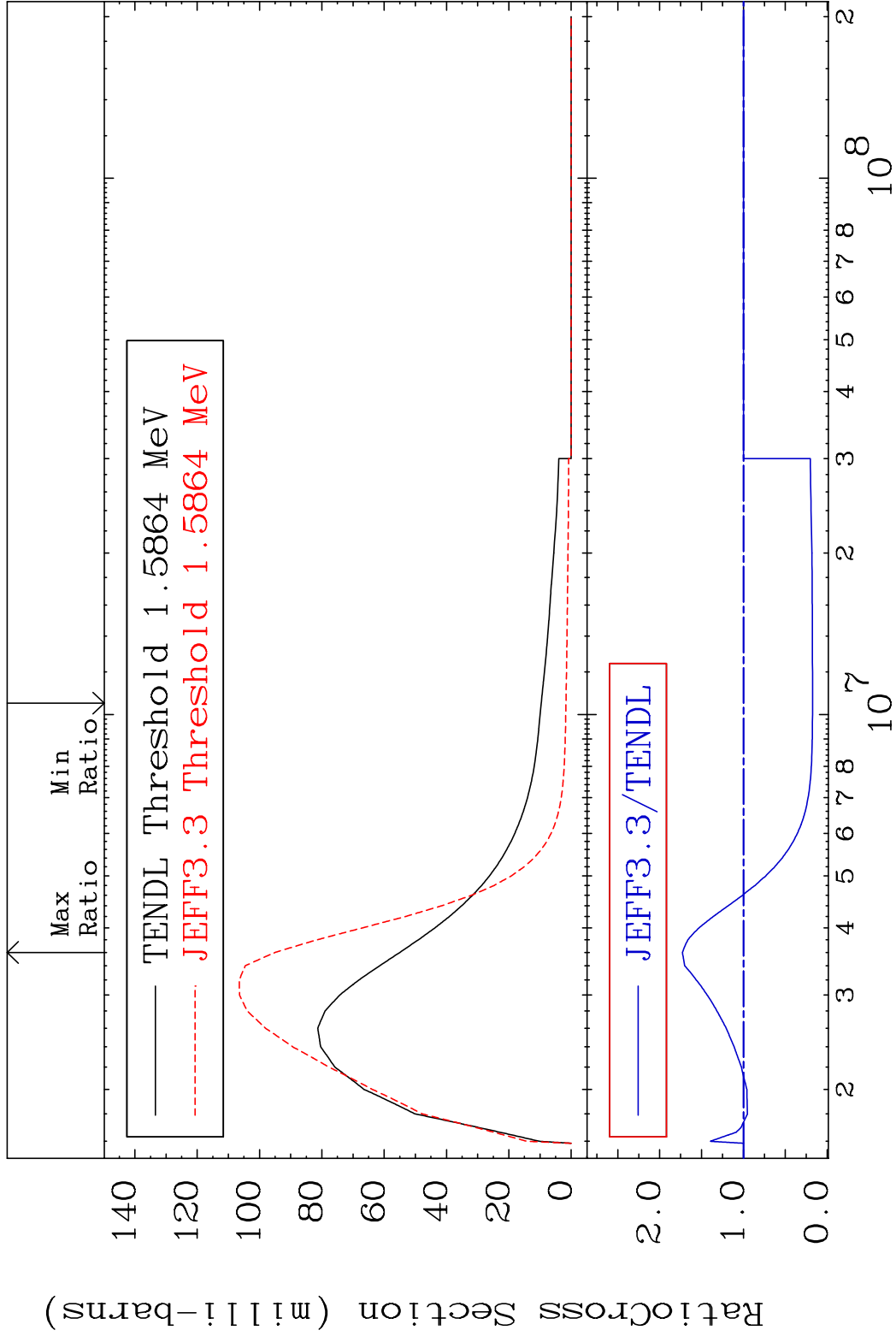
MAT 5537

MT= 57 (n, n') Level

55-CS-137

Cross Section	-100.0 To 2.013 %



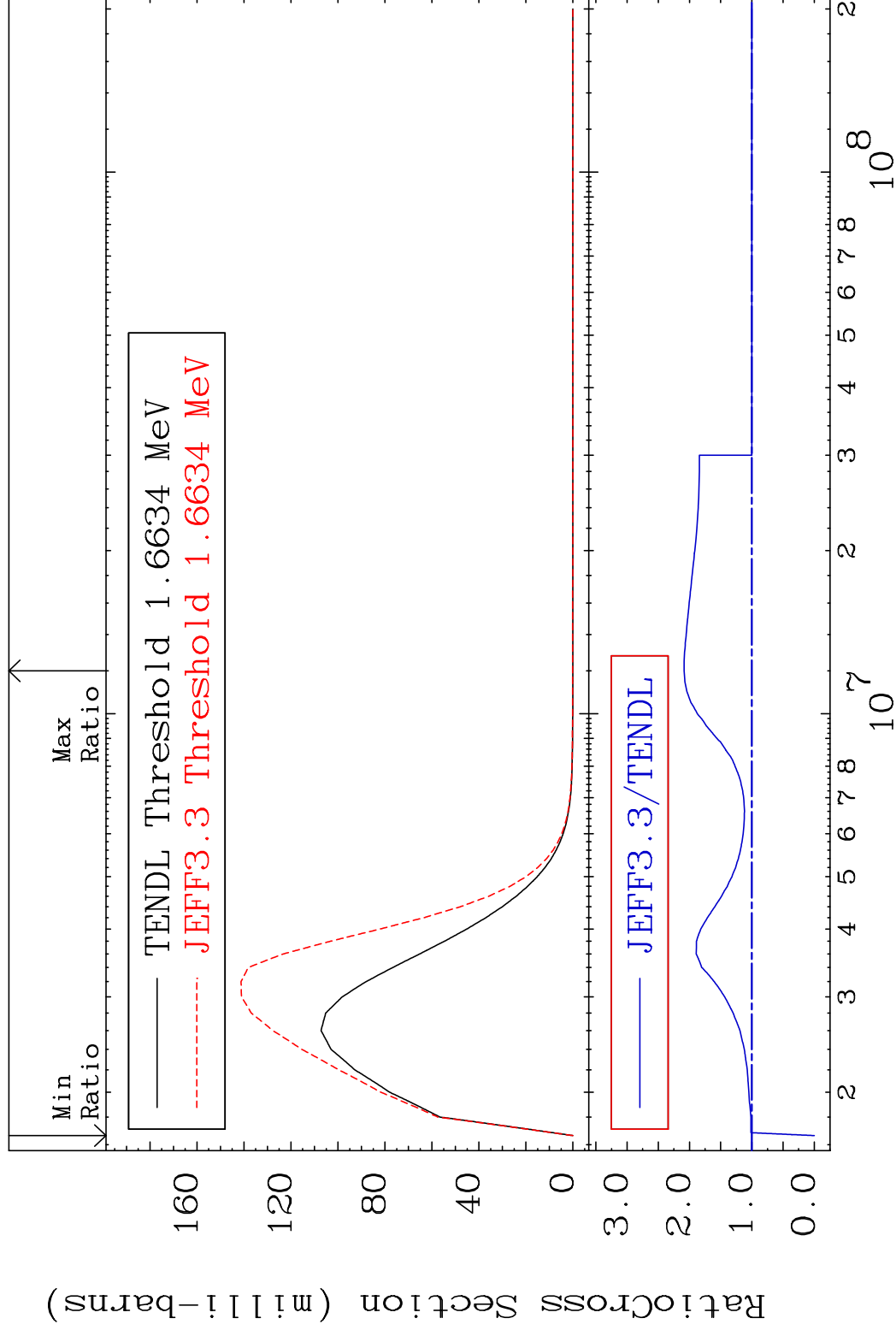


MAT 5537

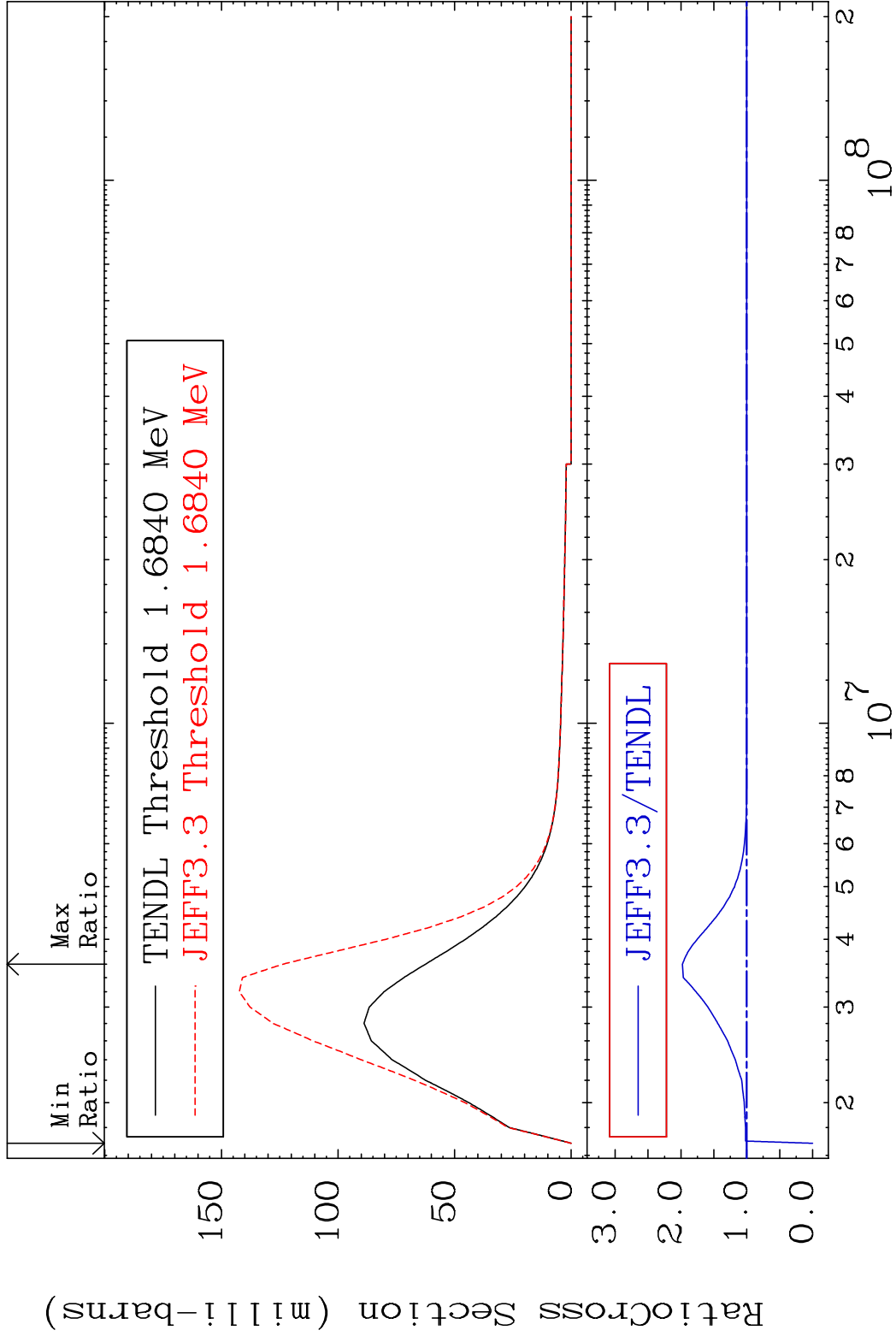
MT= 59 (n, n') Level

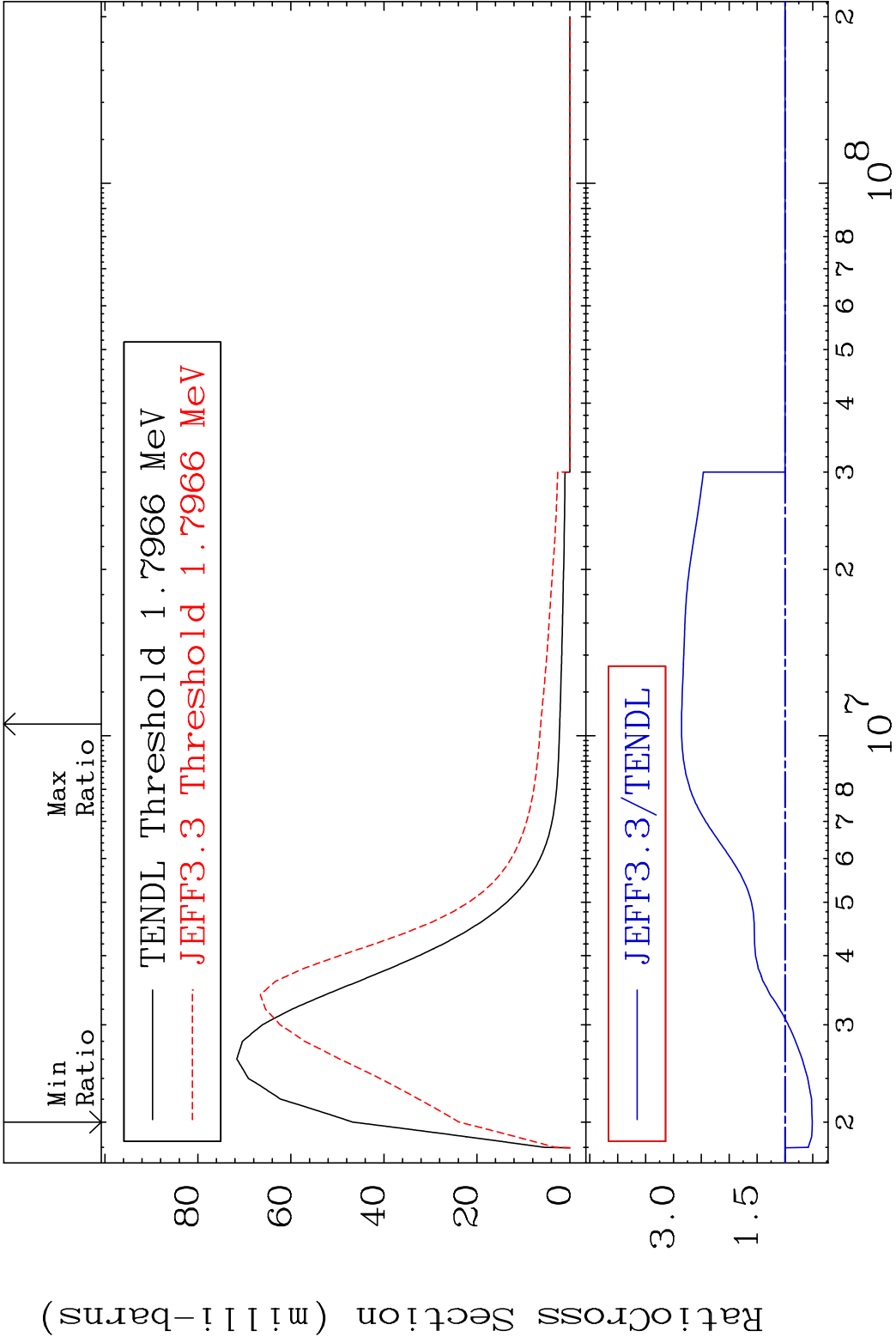
55-CS-137

Cross Section

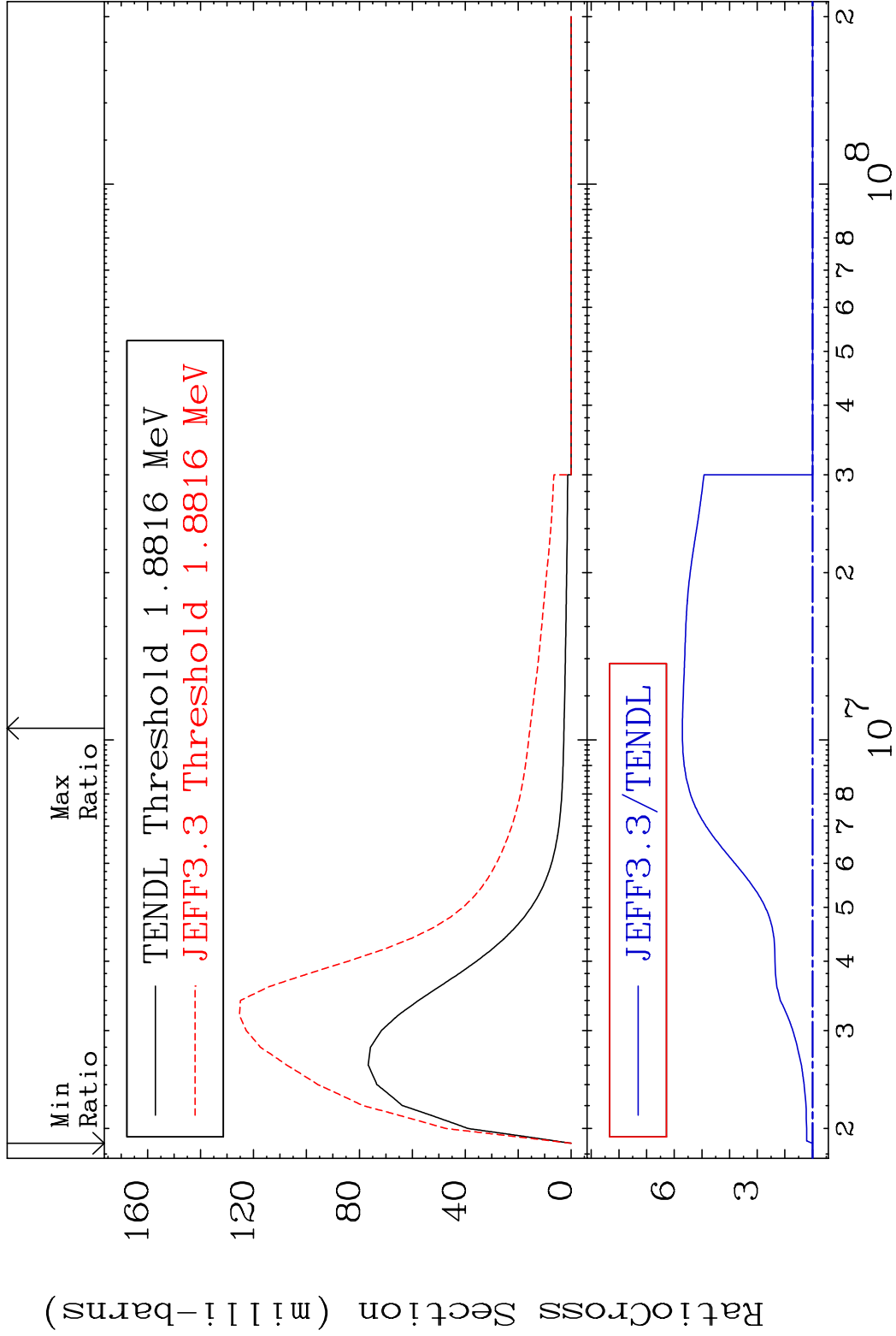


MAT 5537 MT= 60 (n,n') Level 55-Cs-137
Cross Section -100.0 To 97.88 %





MAT 5537 MT= 62 (n,n') Level 55-Cs-137
Cross Section 0.000 To 470.7 %



MAT 5537

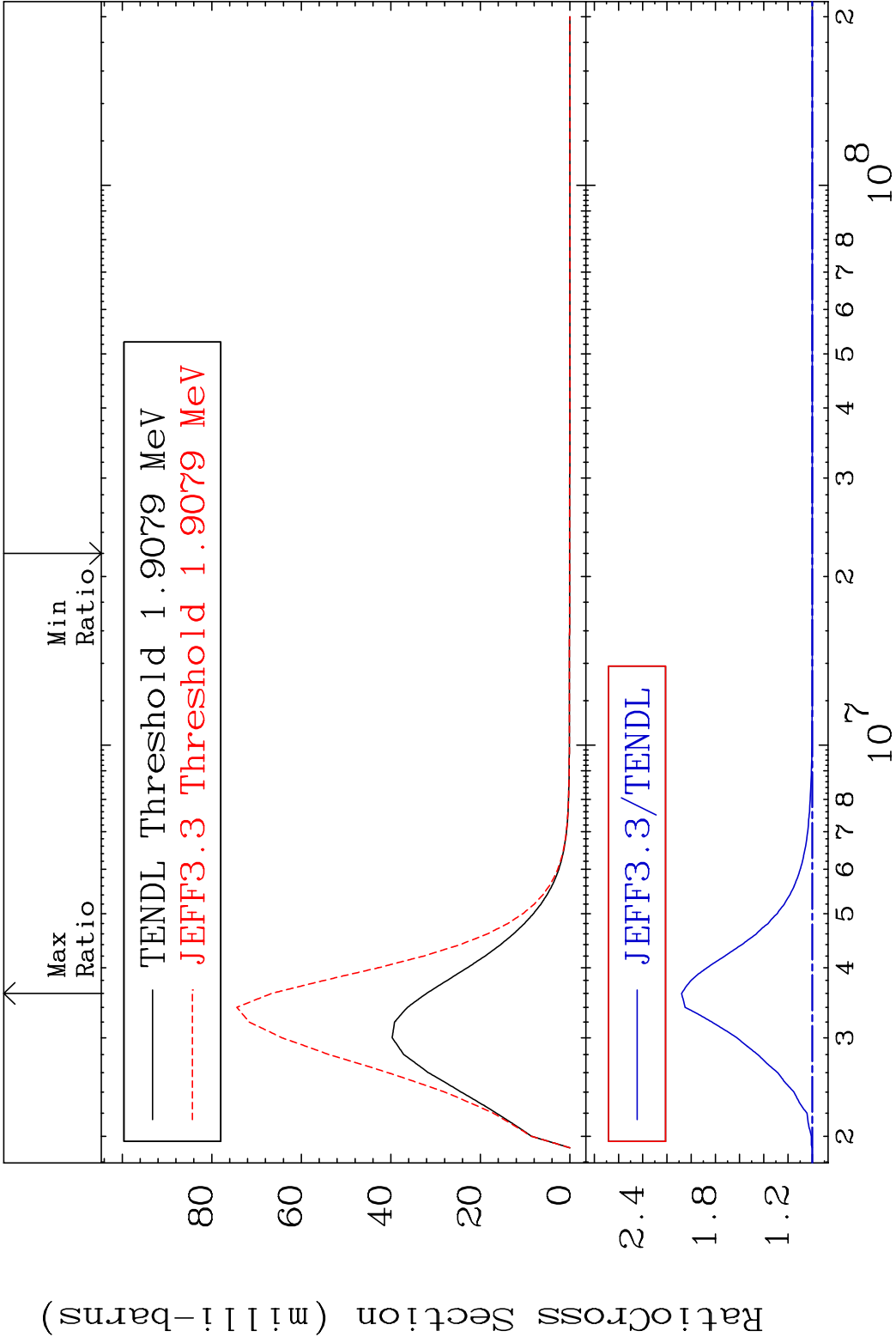
MT= 63 (n,n') Level

55-Cs-137

Cross Section

0.000

To 108.0 %



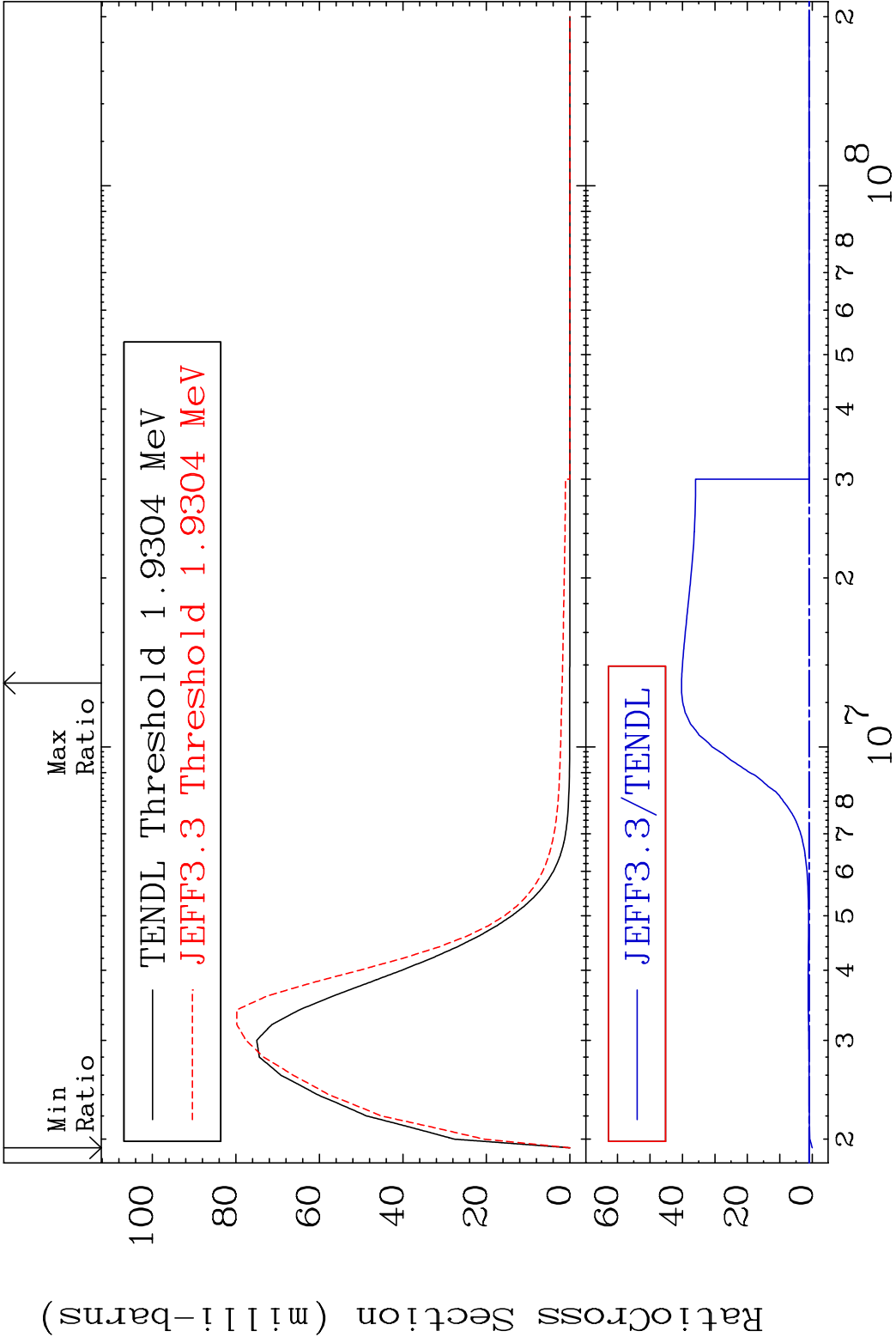
MAT 5537

MT= 64 (n,n') Level

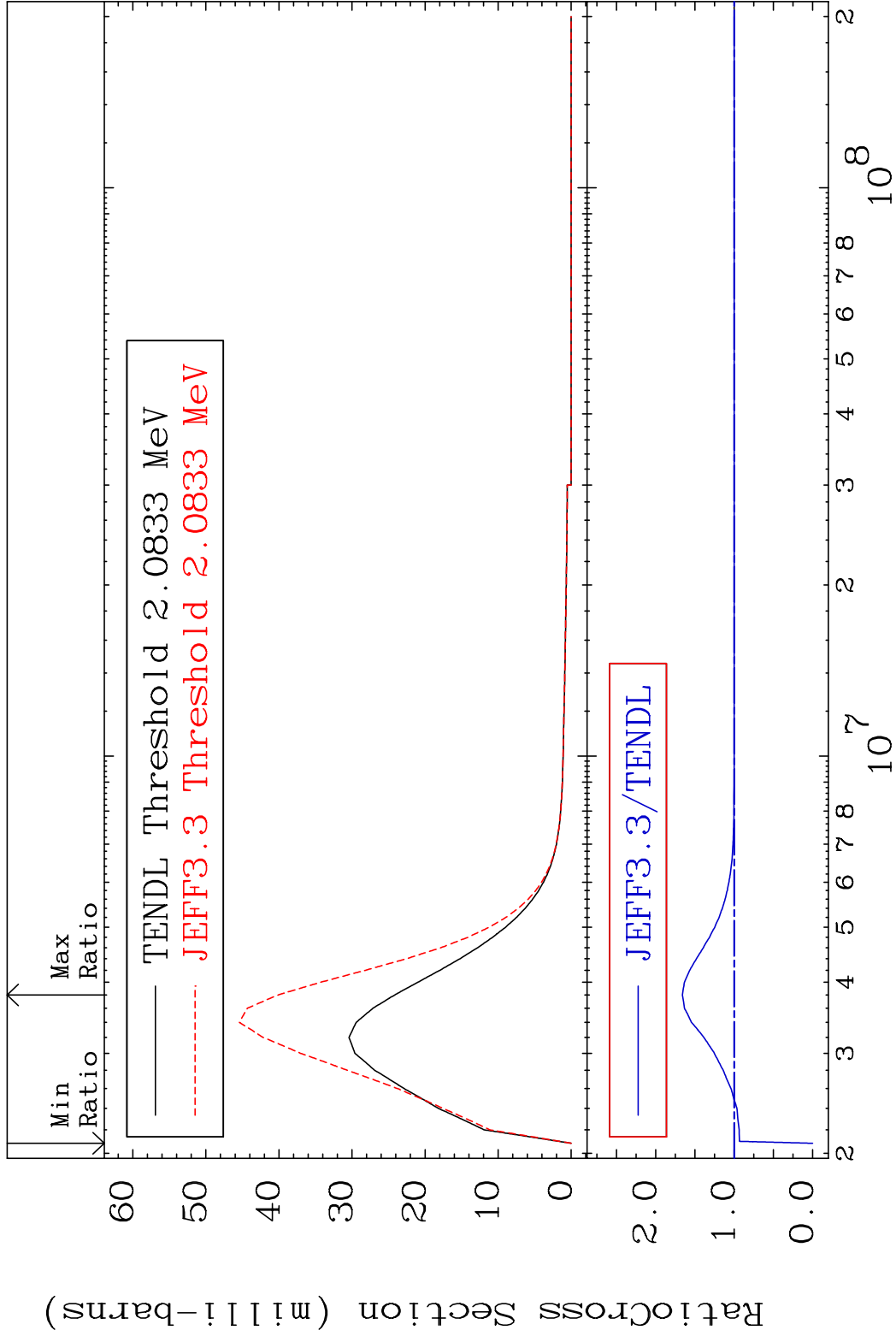
55-Cs-137

Cross Section

-100.0 To 3929. %



MAT 5537 MT= 65 (n,n') Level 55-Cs-137
Cross Section -100.0 To 66.08 %



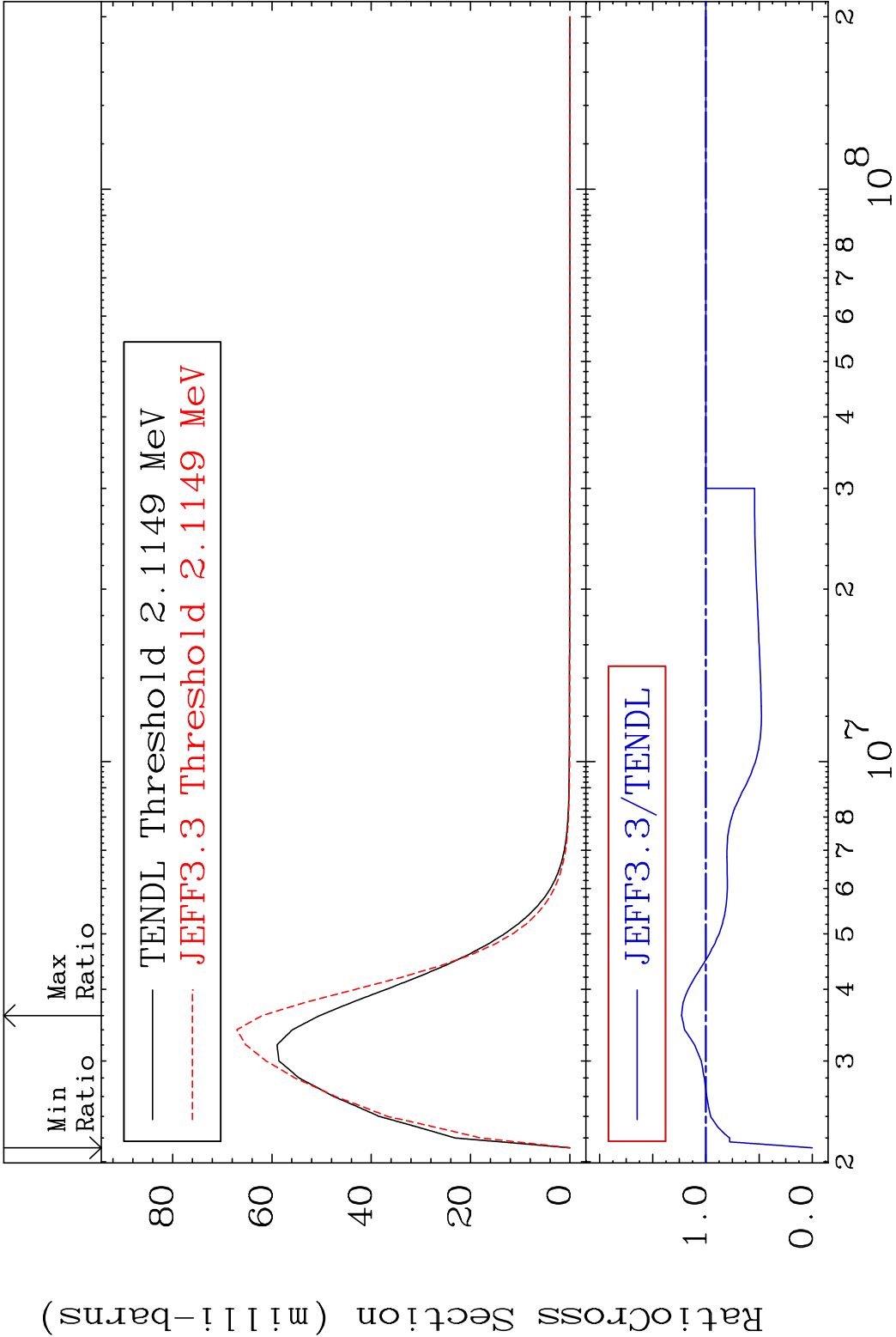
MAT 5537

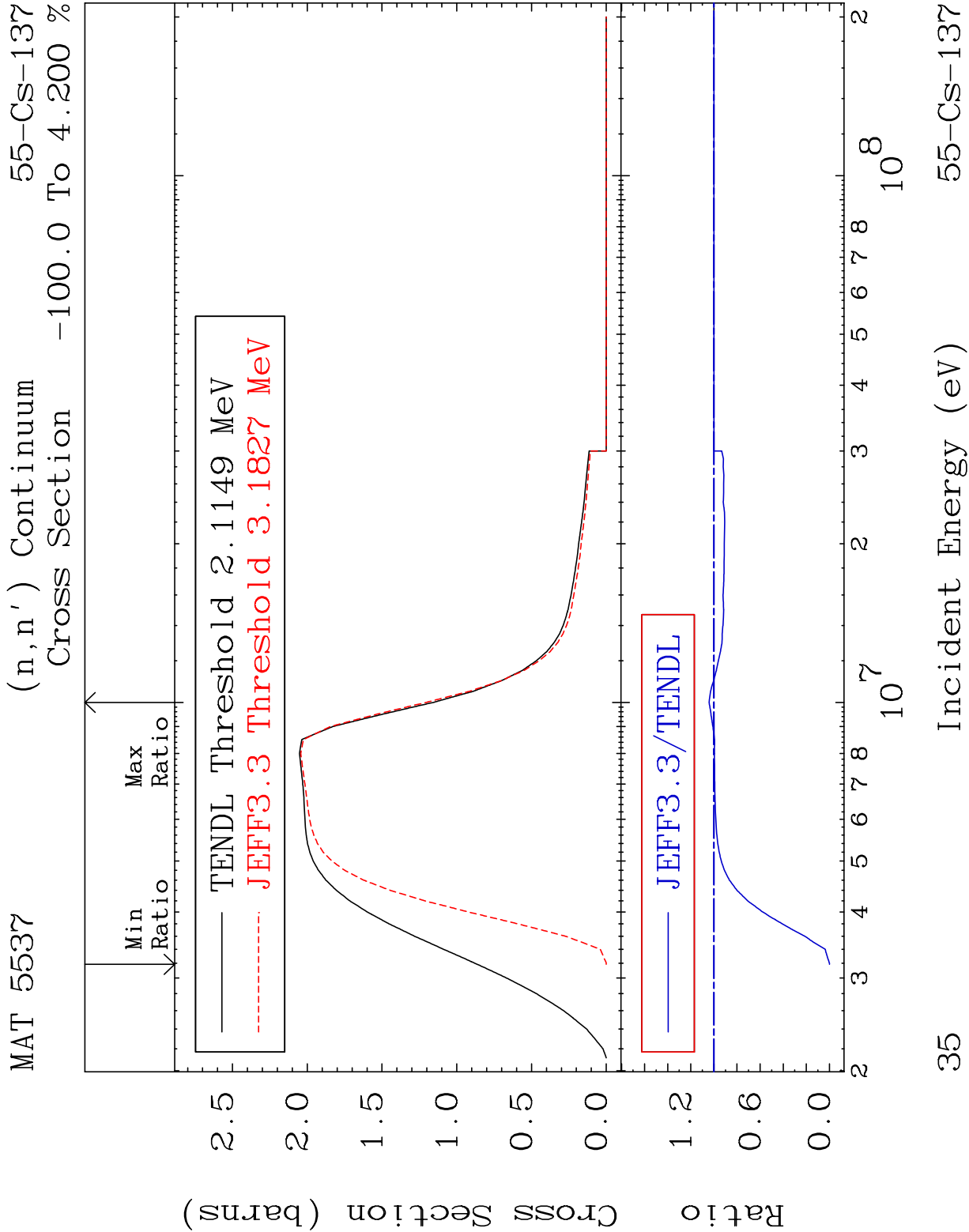
MT= 66 (n,n') Level

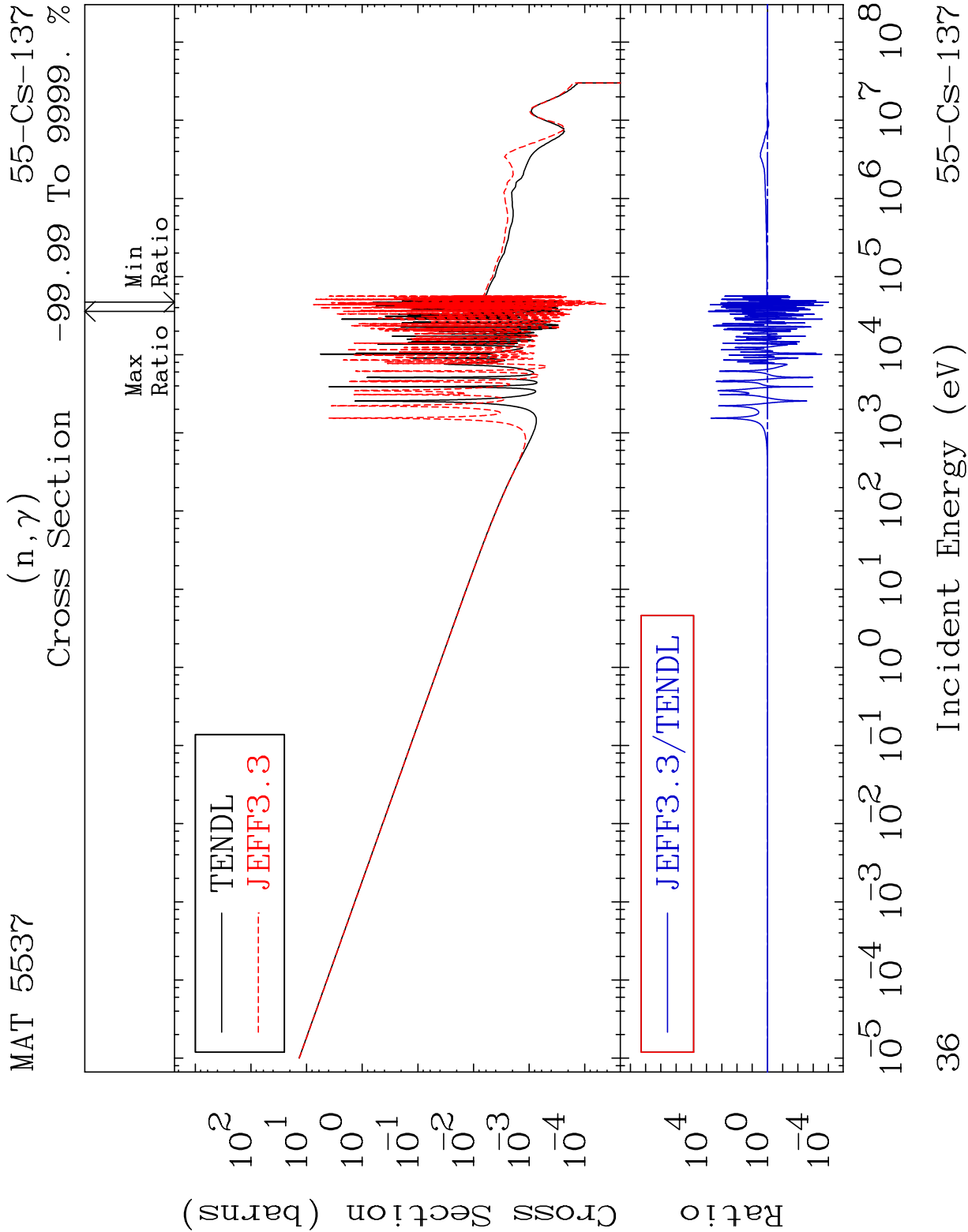
55-Cs-137

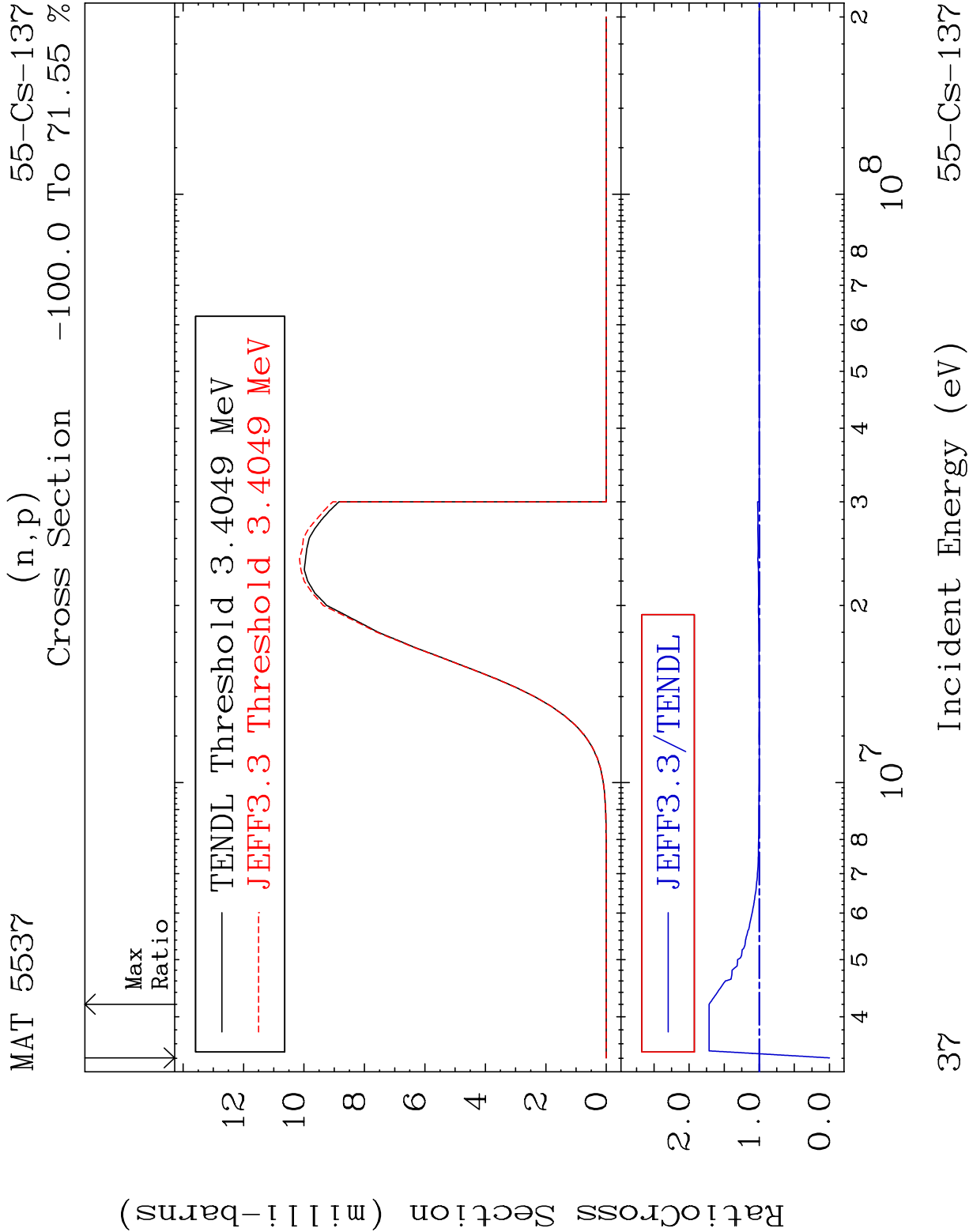
Cross Section

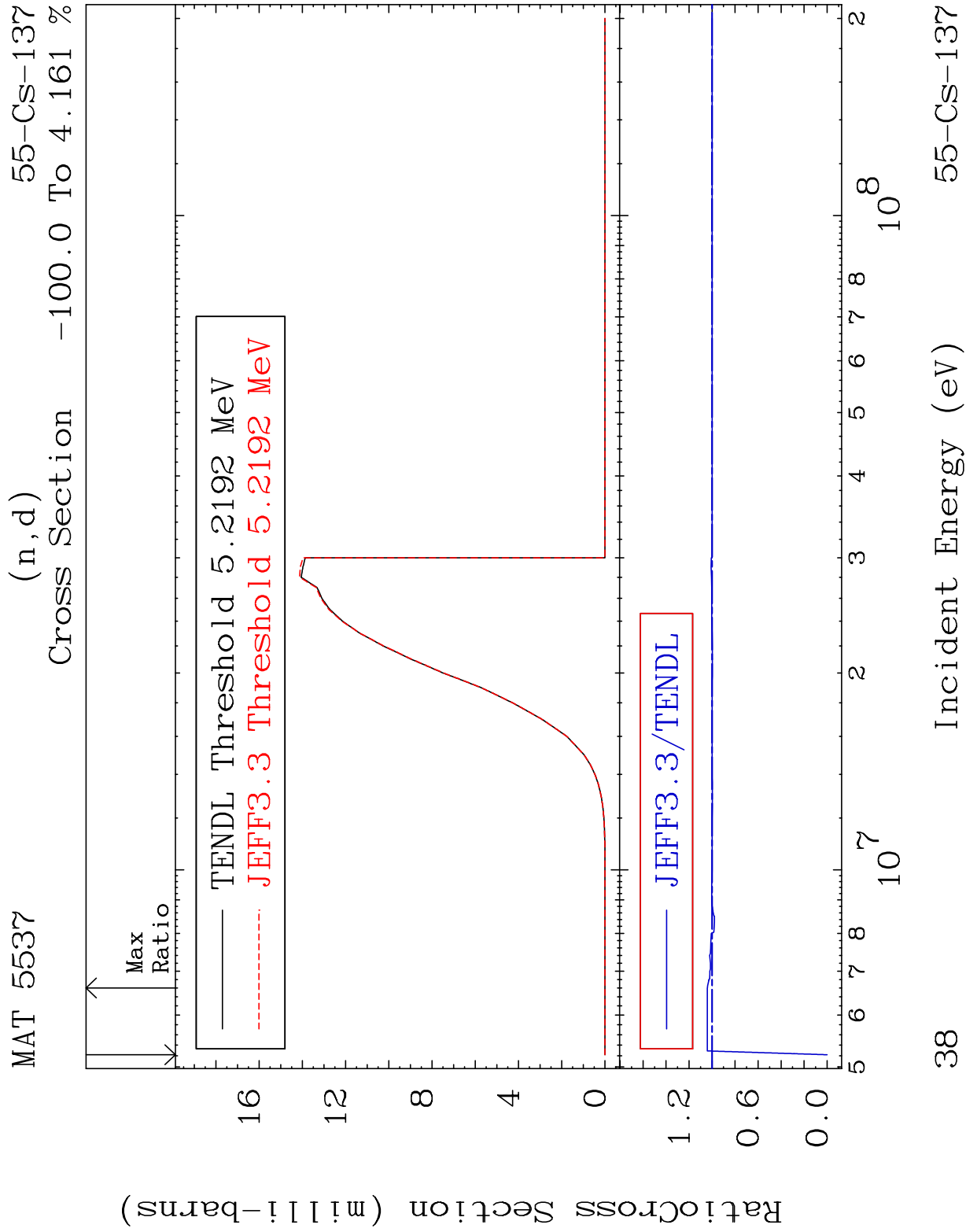
-100.0 To 22.92 %

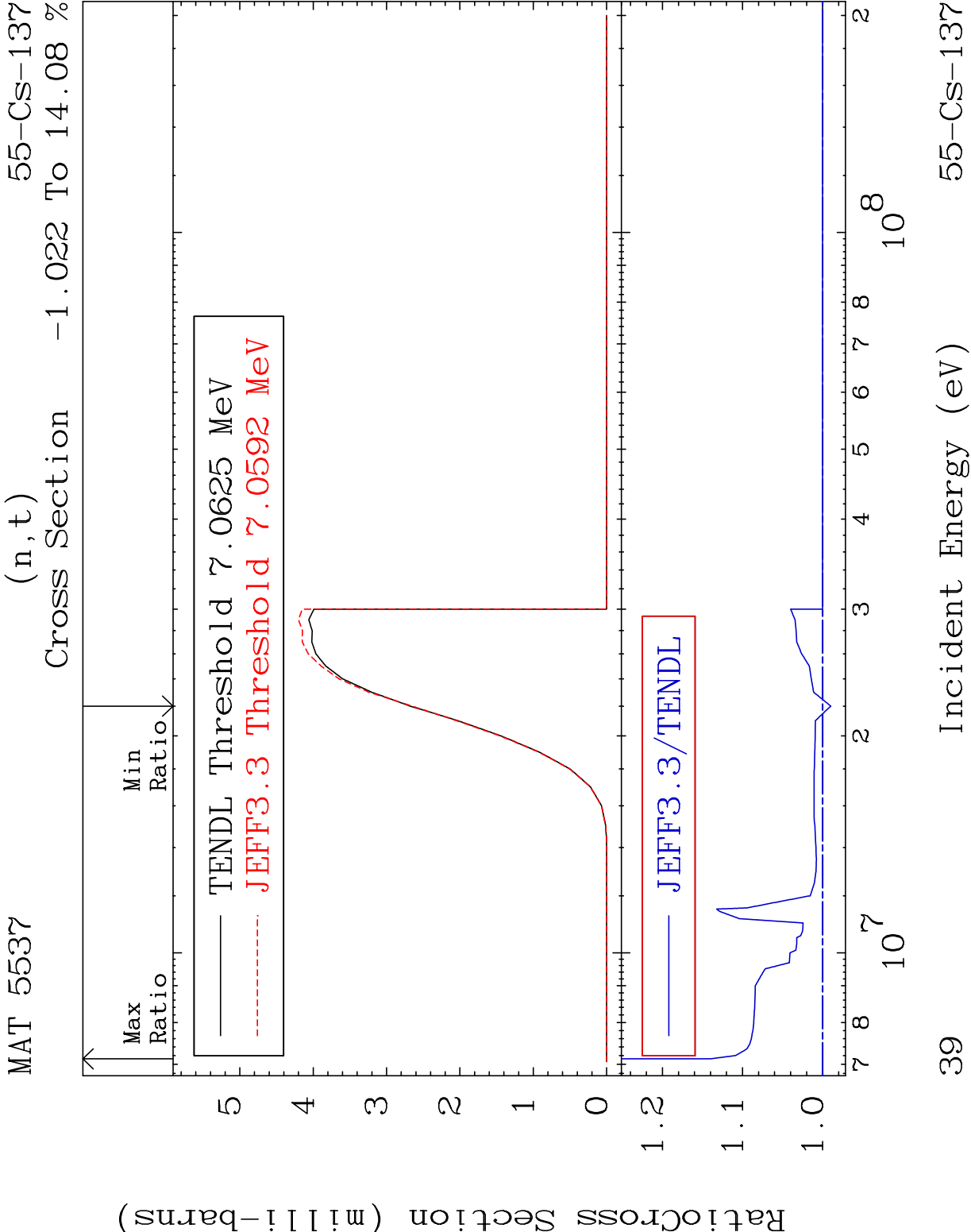


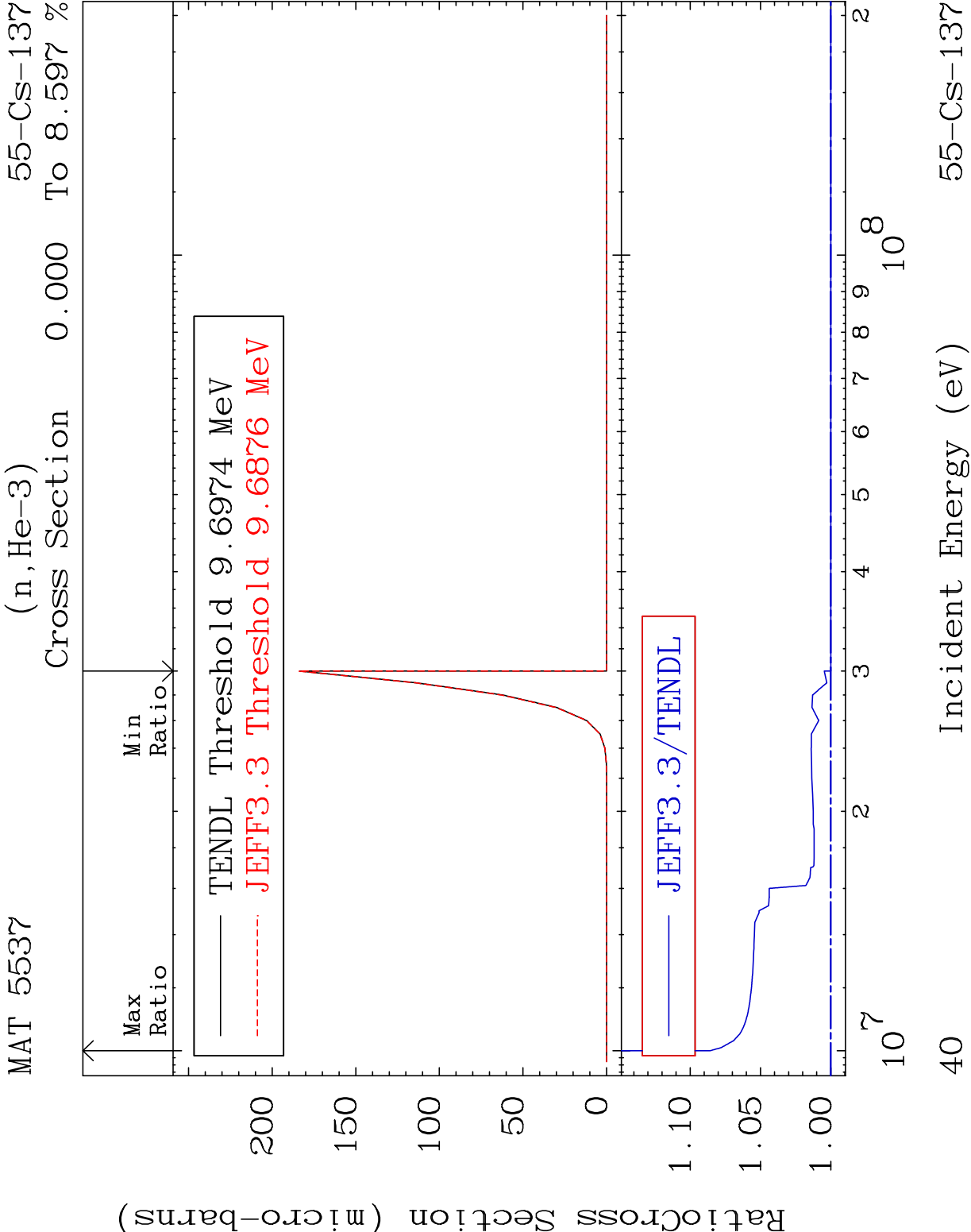


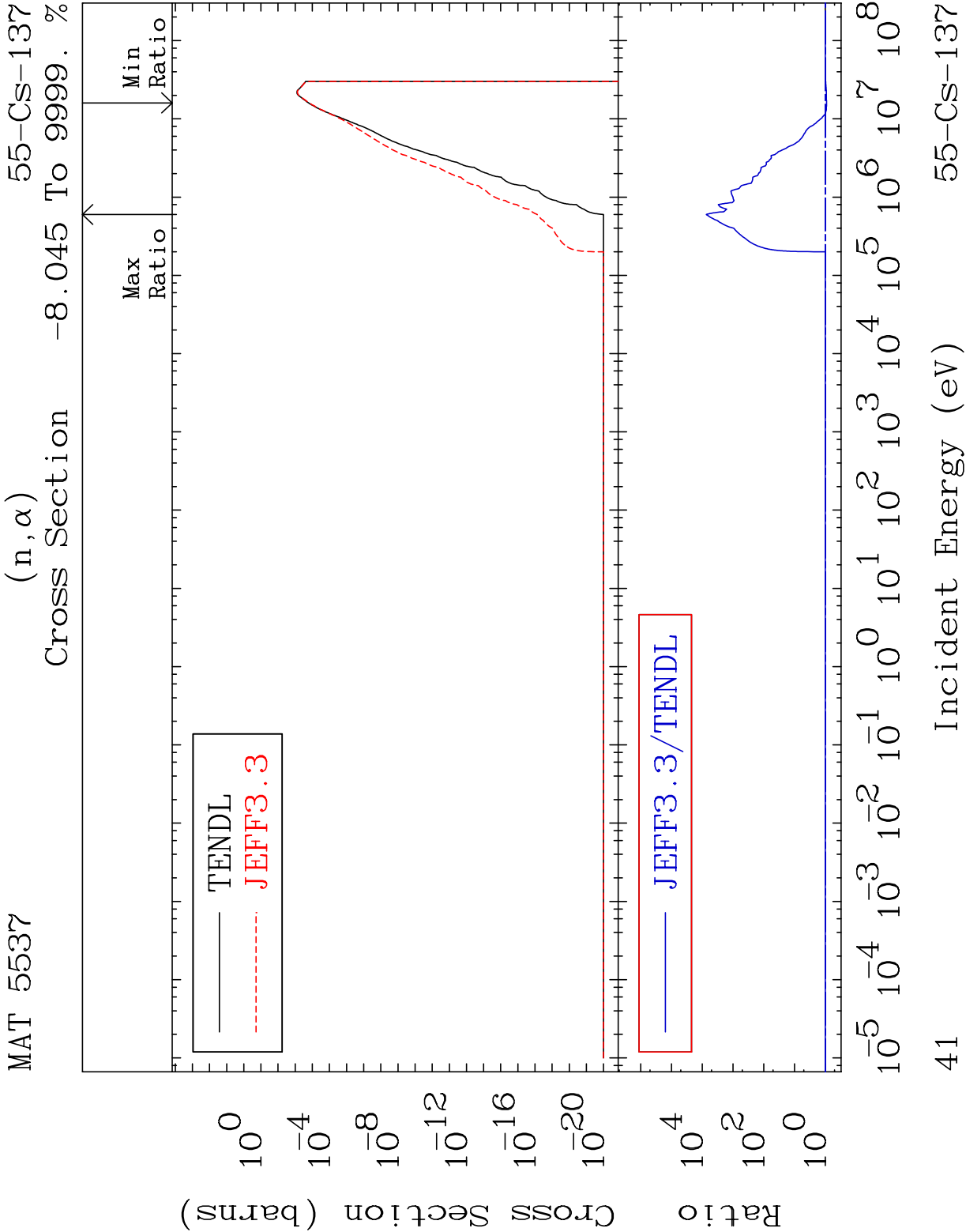










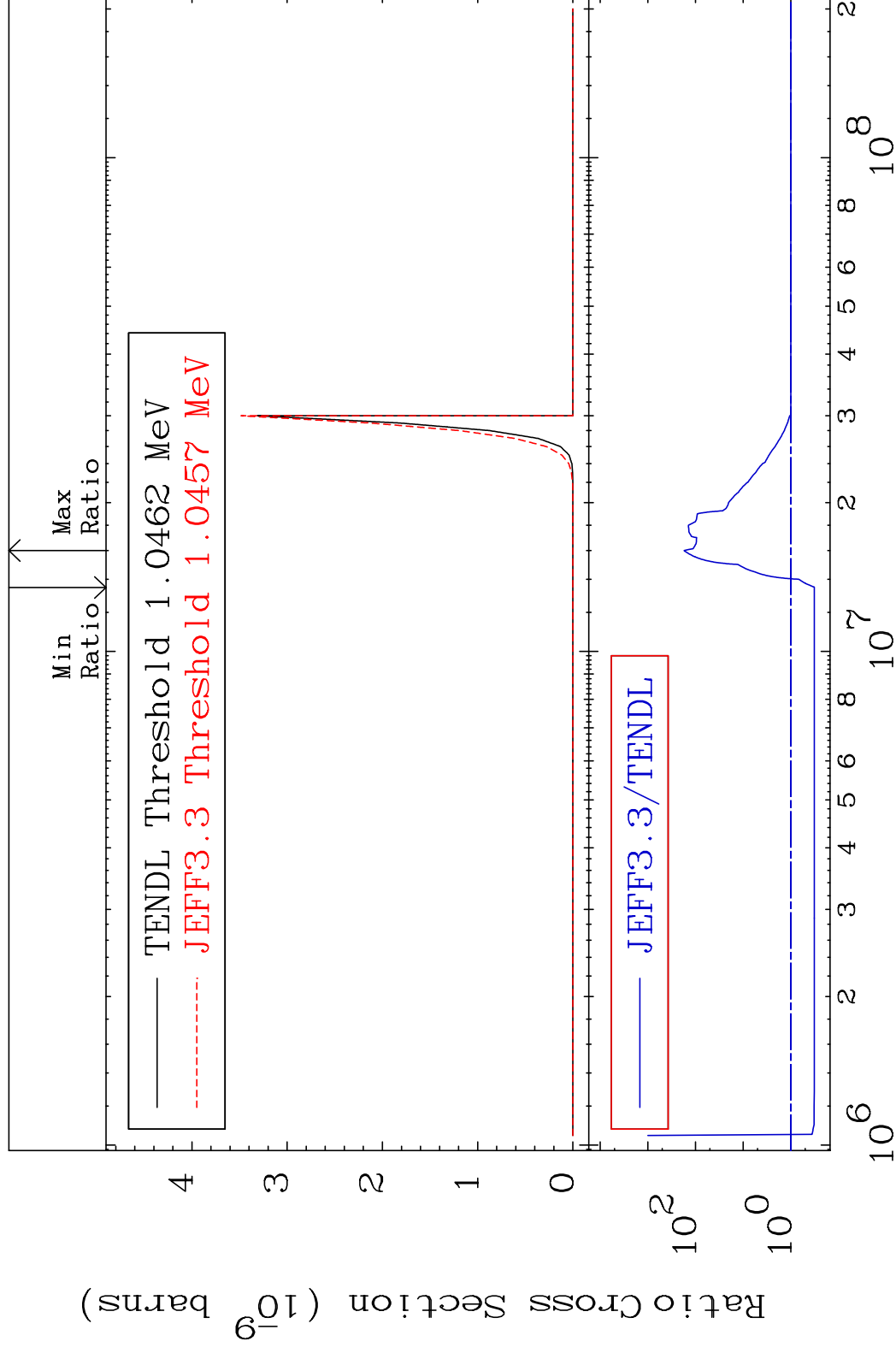


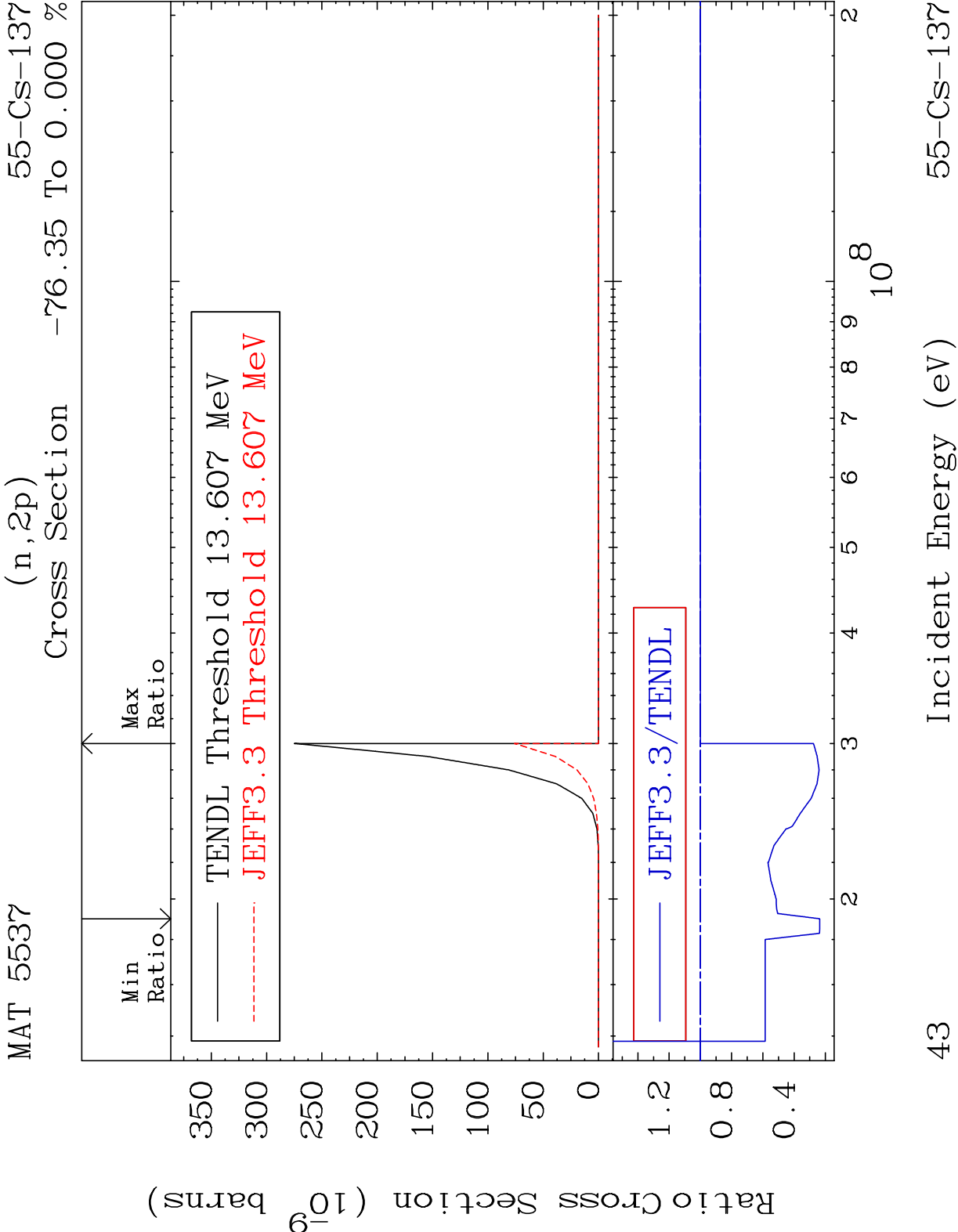
MAT 5537

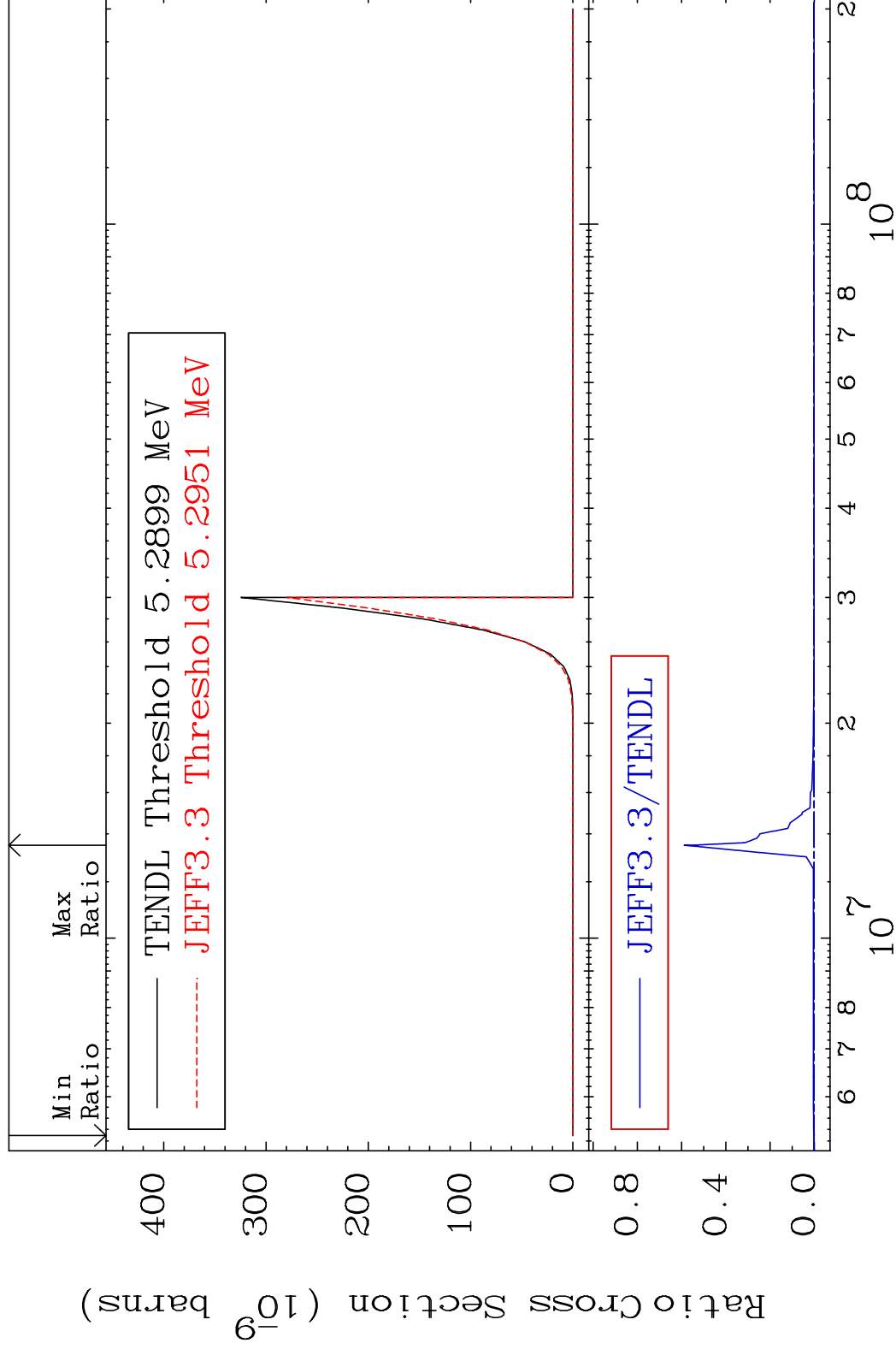
 $(n, 2\alpha)$

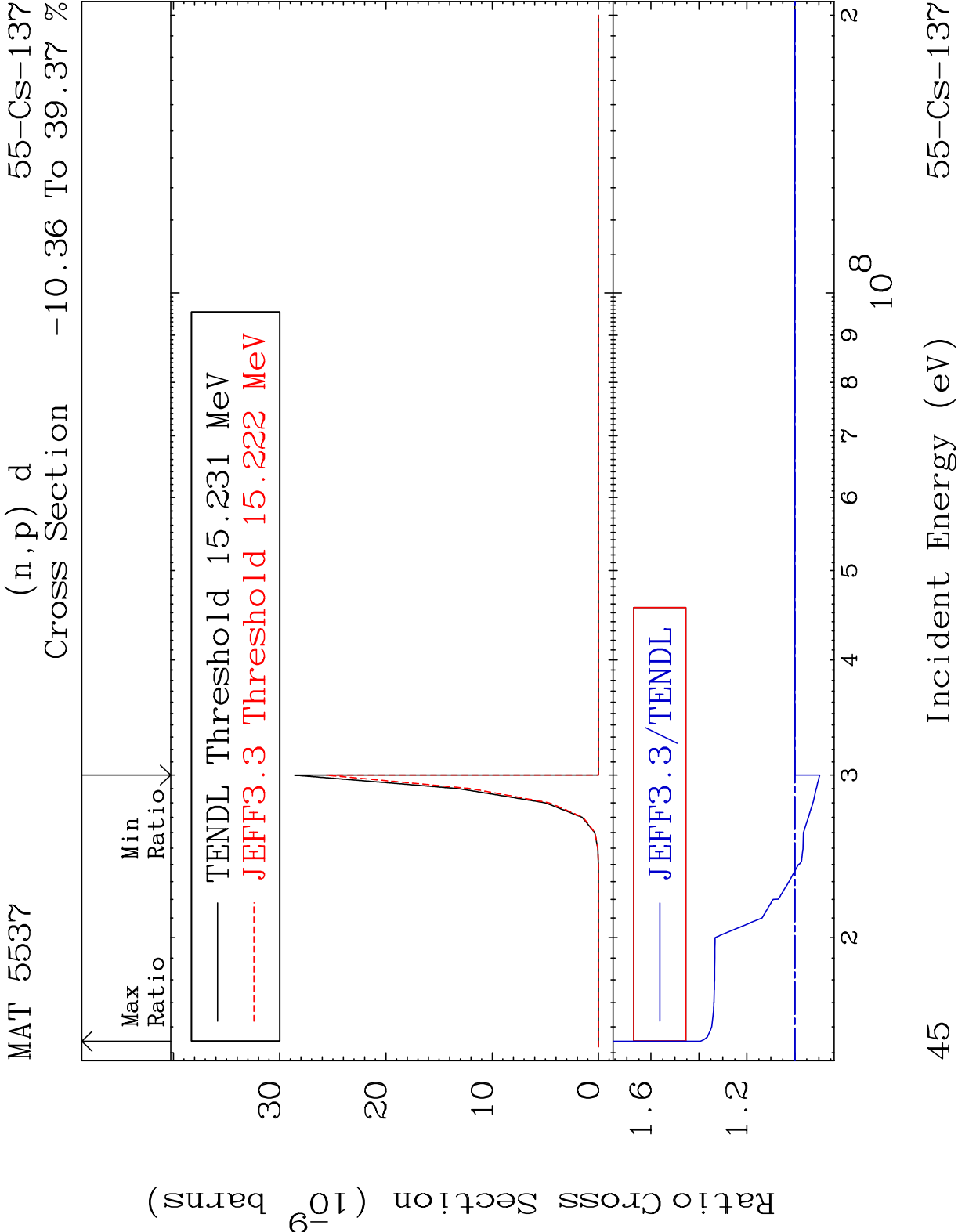
55-CS-137

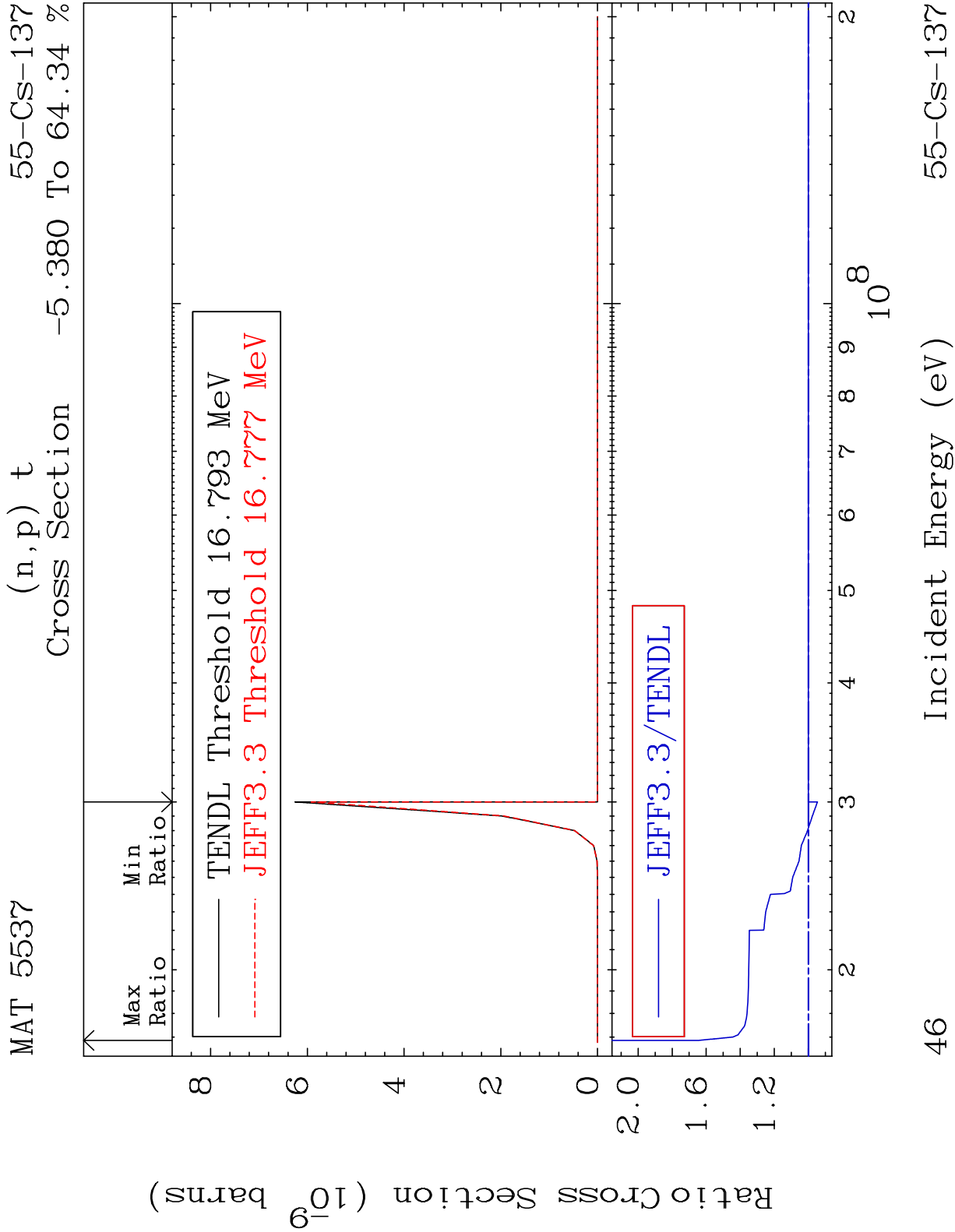
Cross Section -67.86 To 9999. %

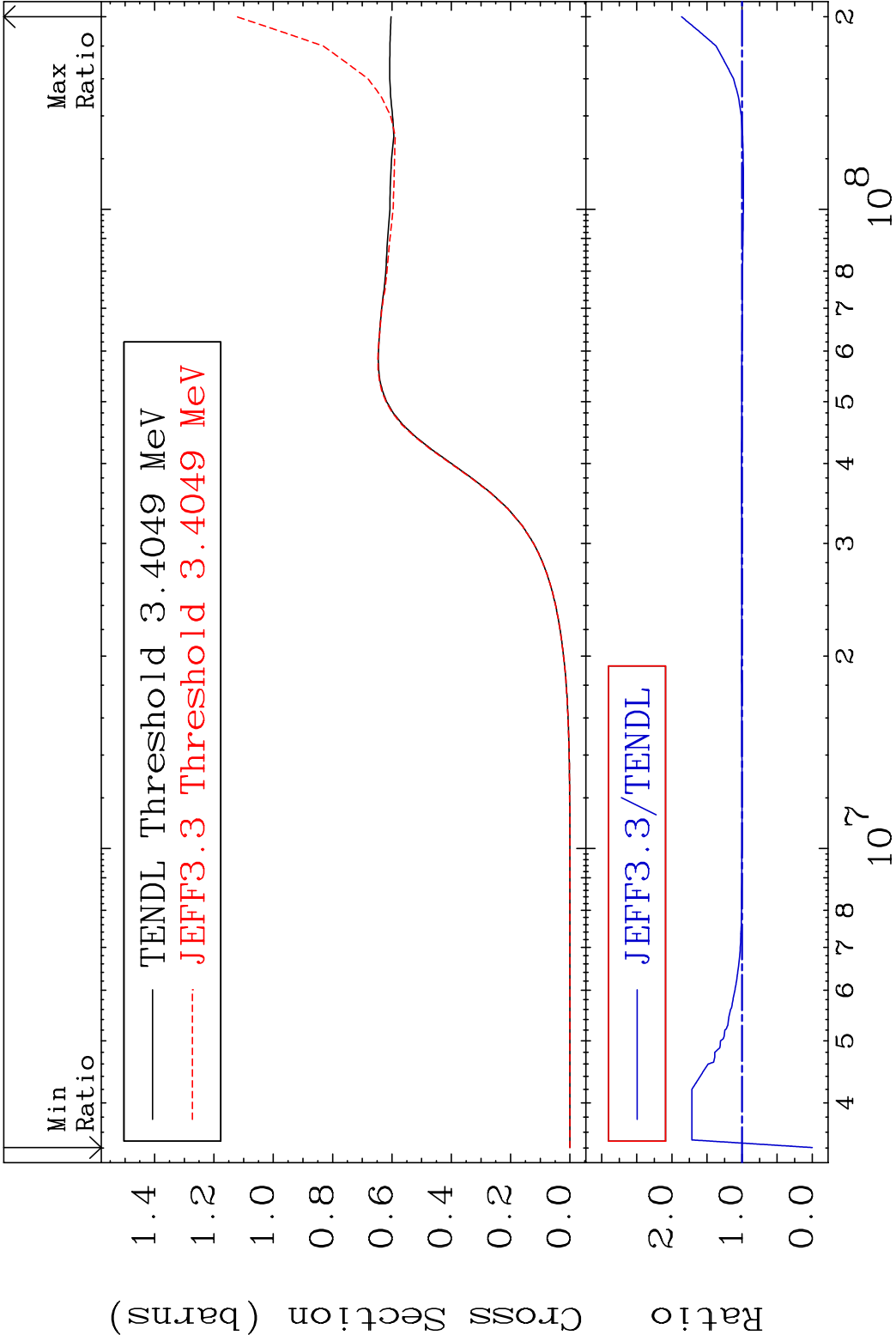




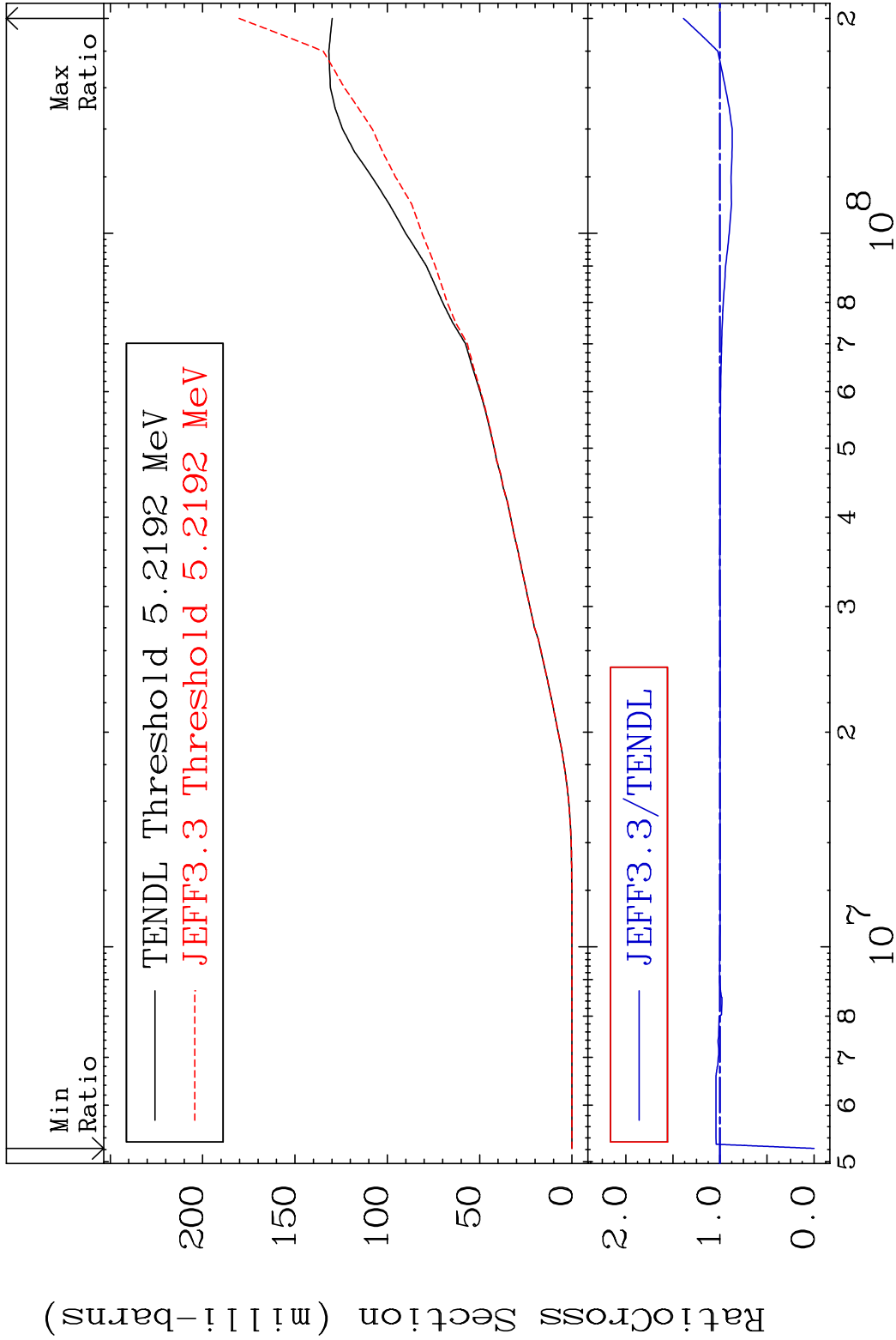




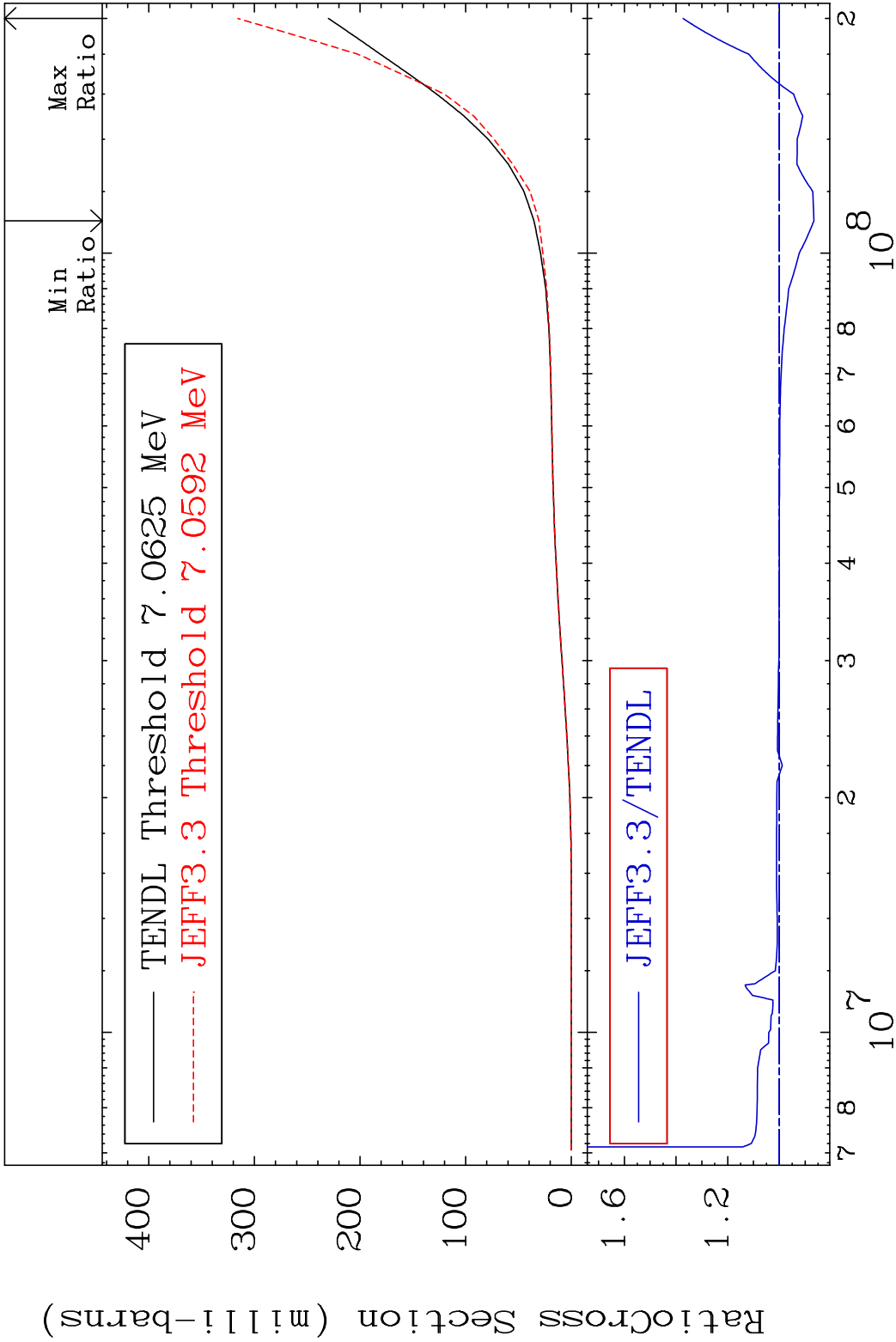


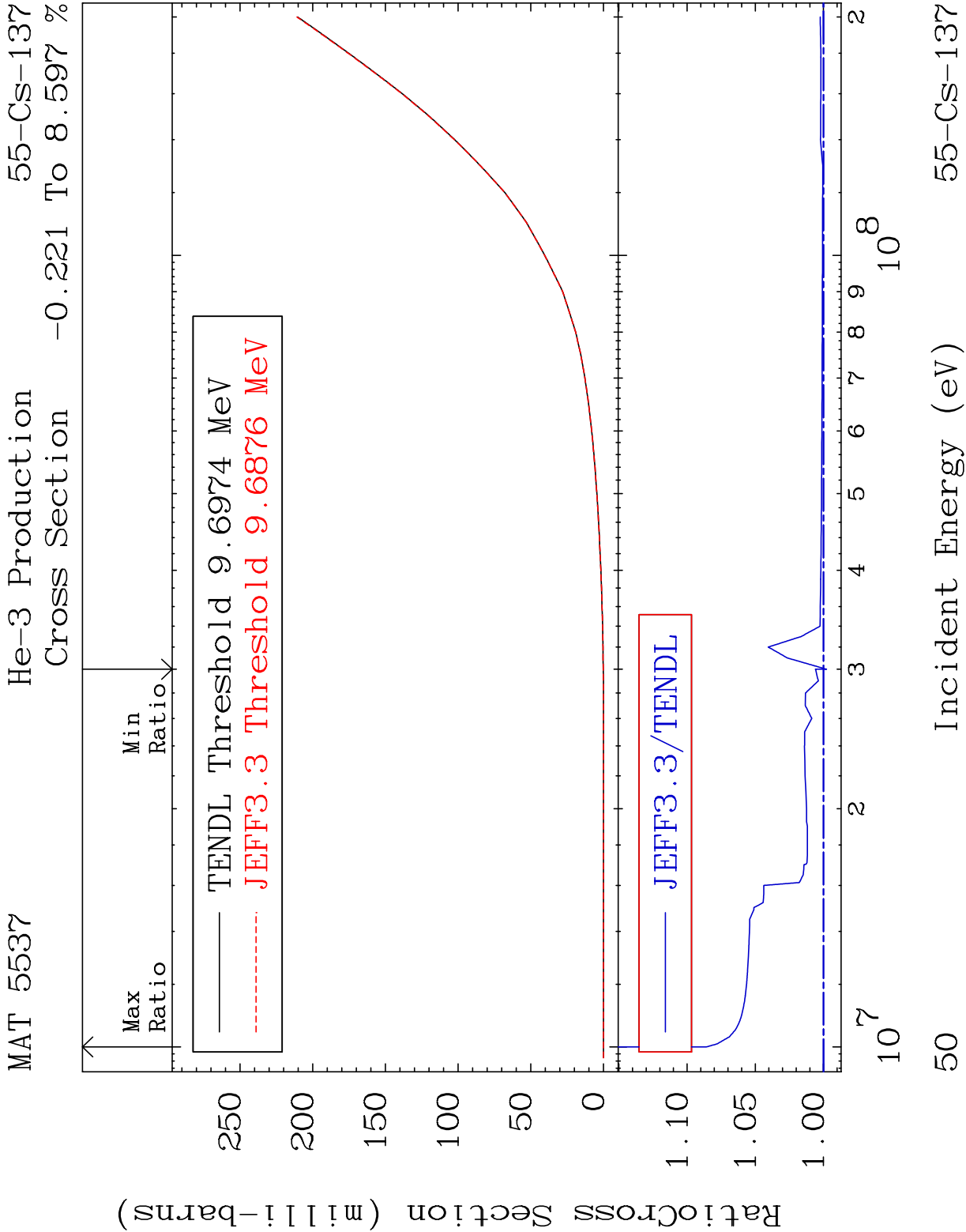


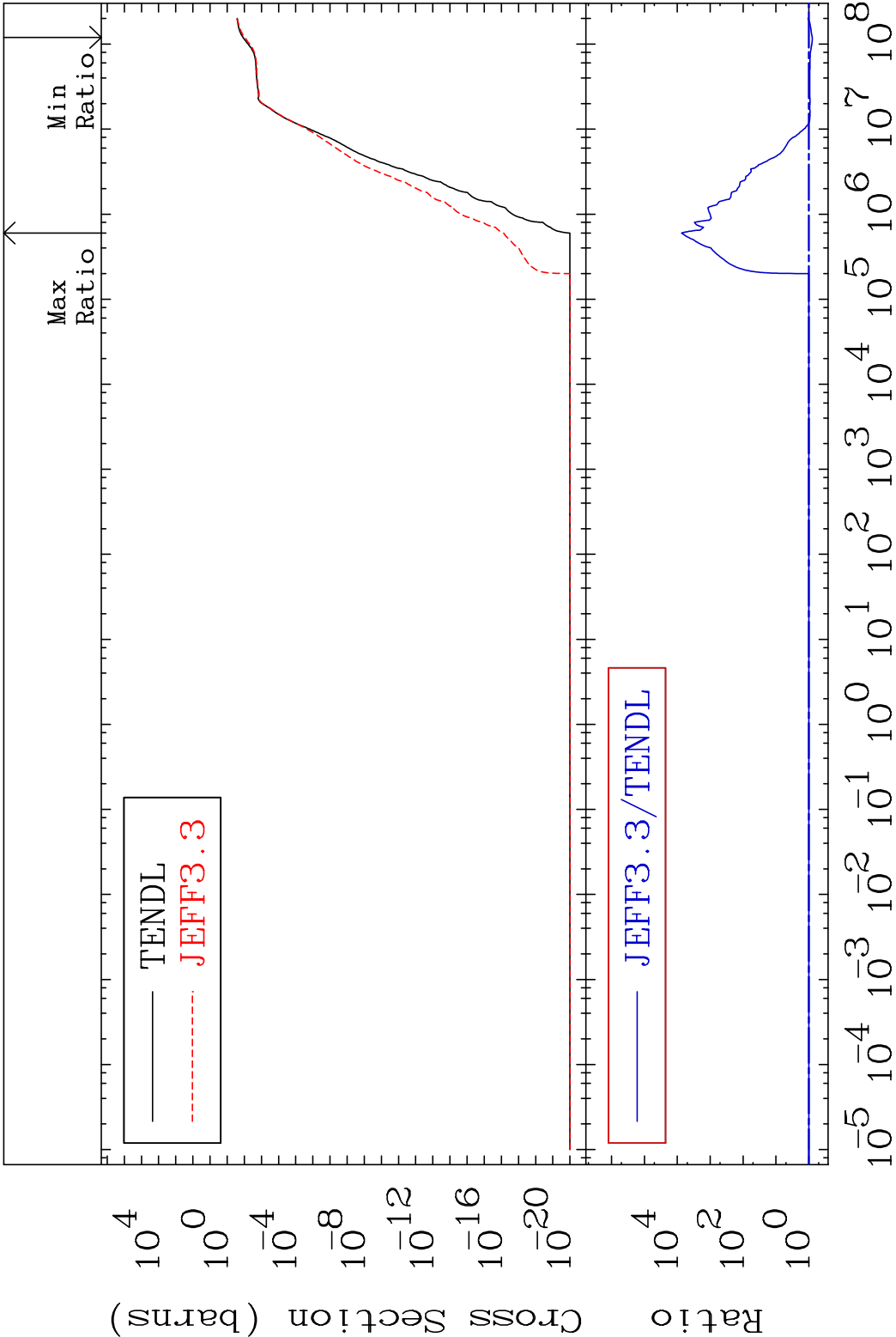
MAT 5537 Deuterium Production 55-Cs-137
Cross Section -100.0 To 38.78 %



MAT 5537 Tritium Production 55-Cs-137
Cross Section -13.39 To 37.28 %







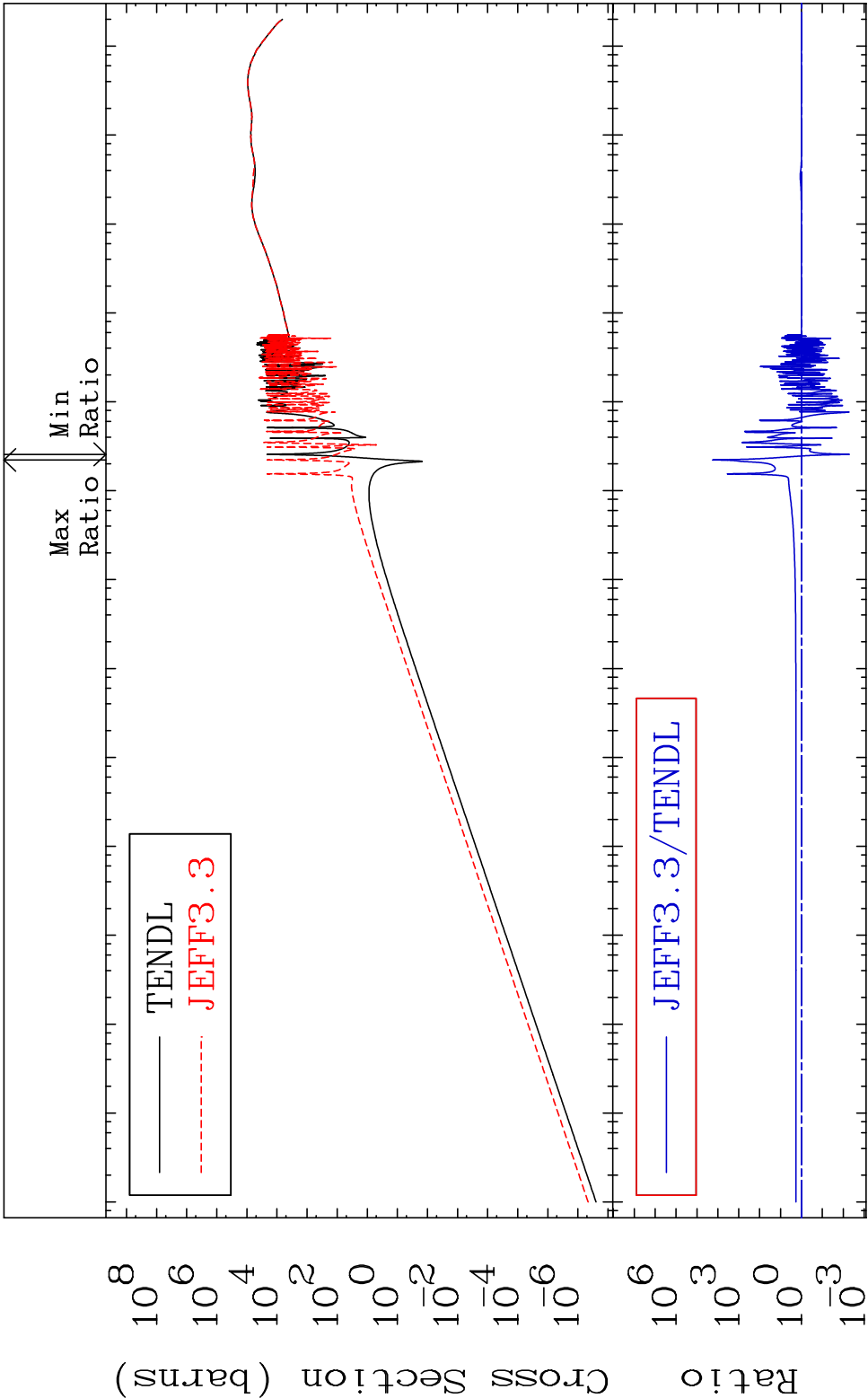
MAT 5537

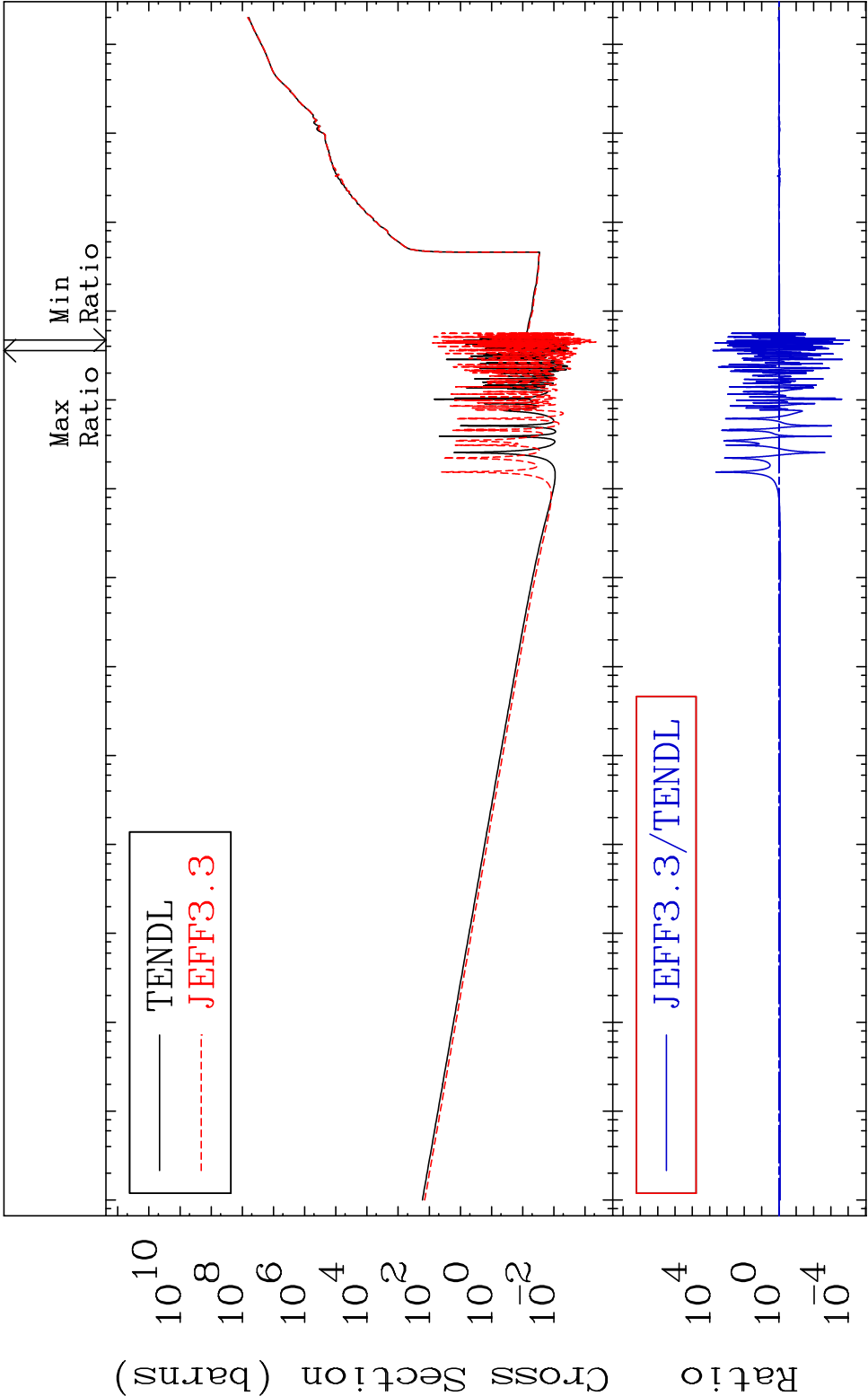
Kerma elastic

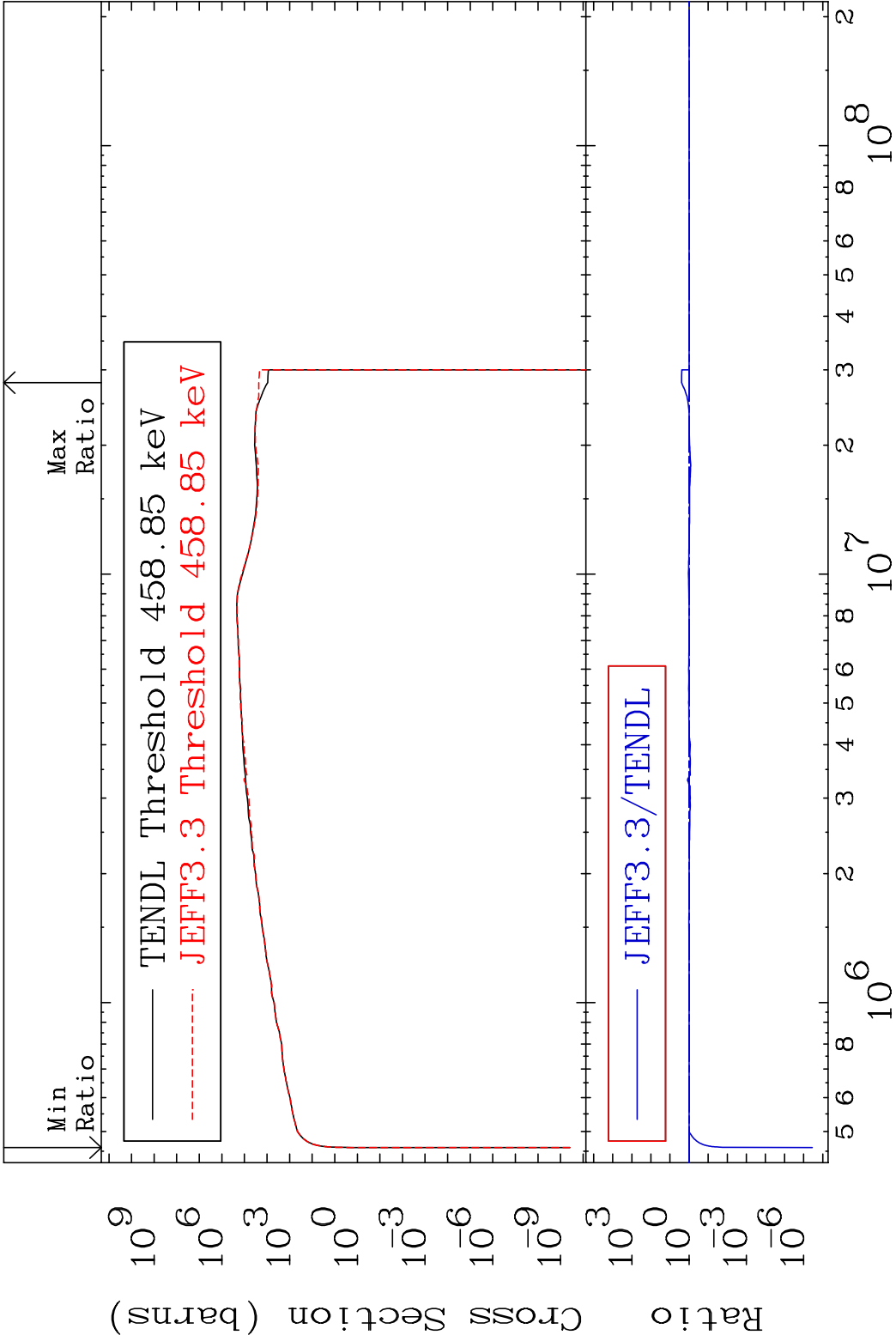
Cross Section

-99.50 To 9999. %

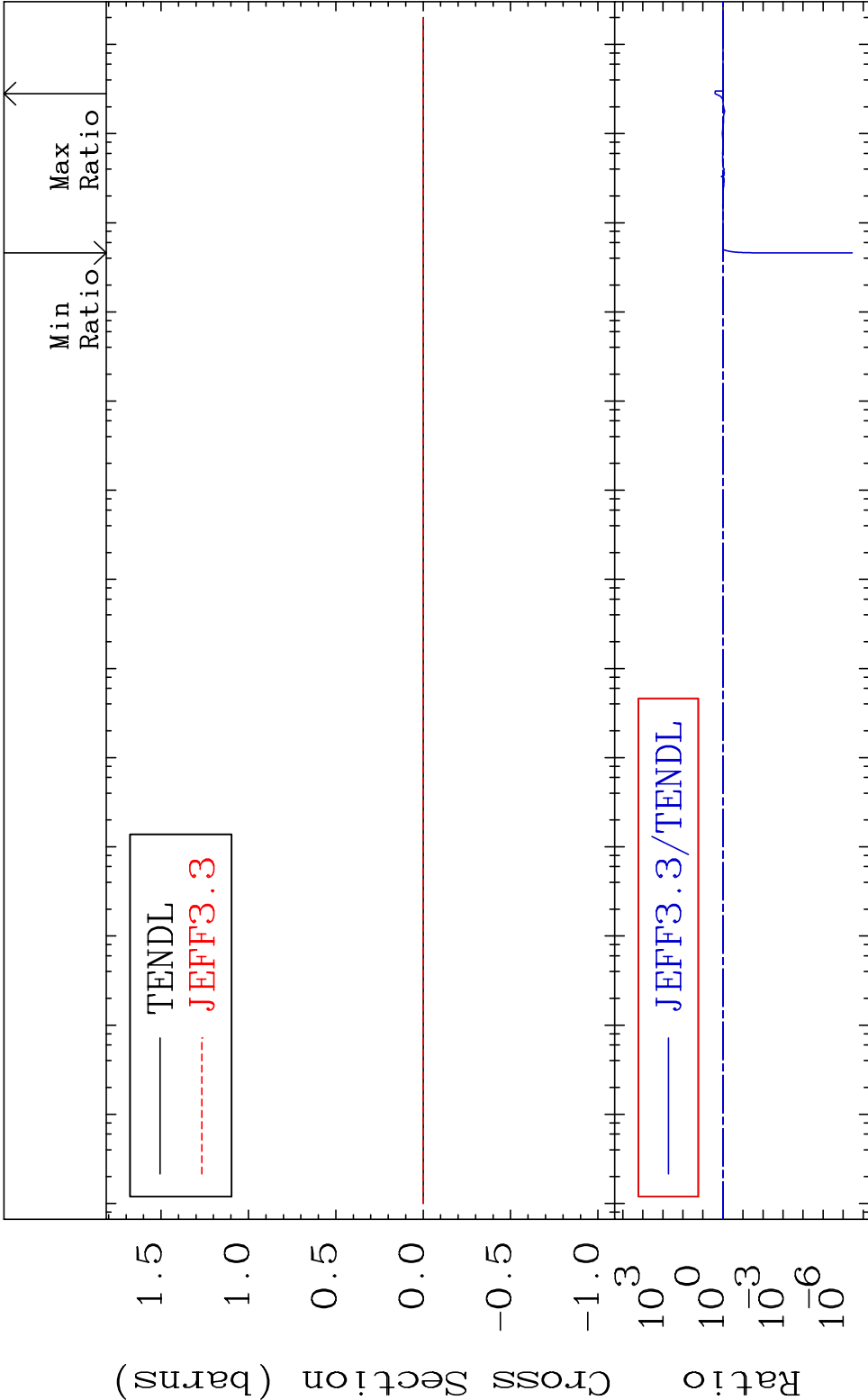
55-Cs-137



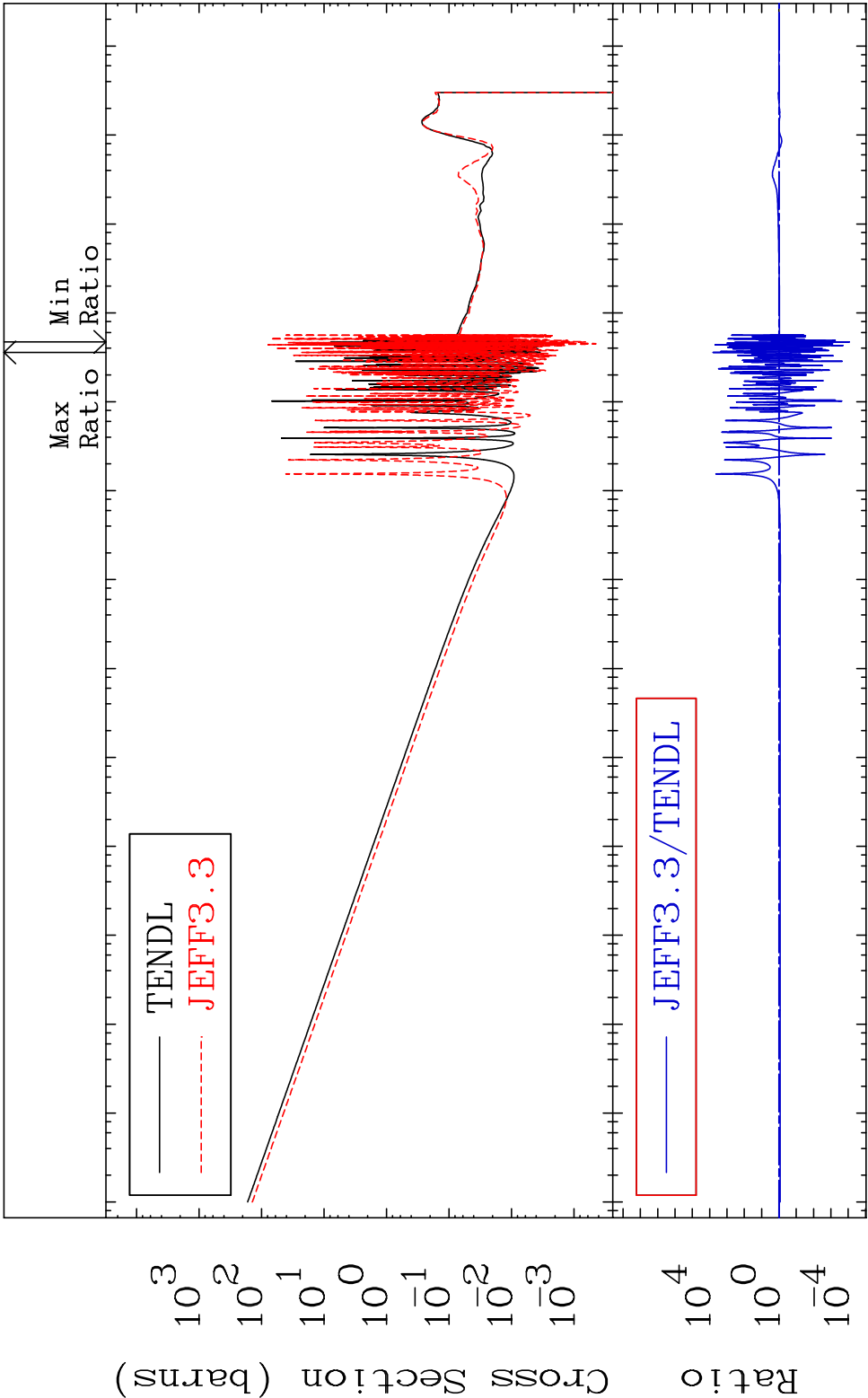




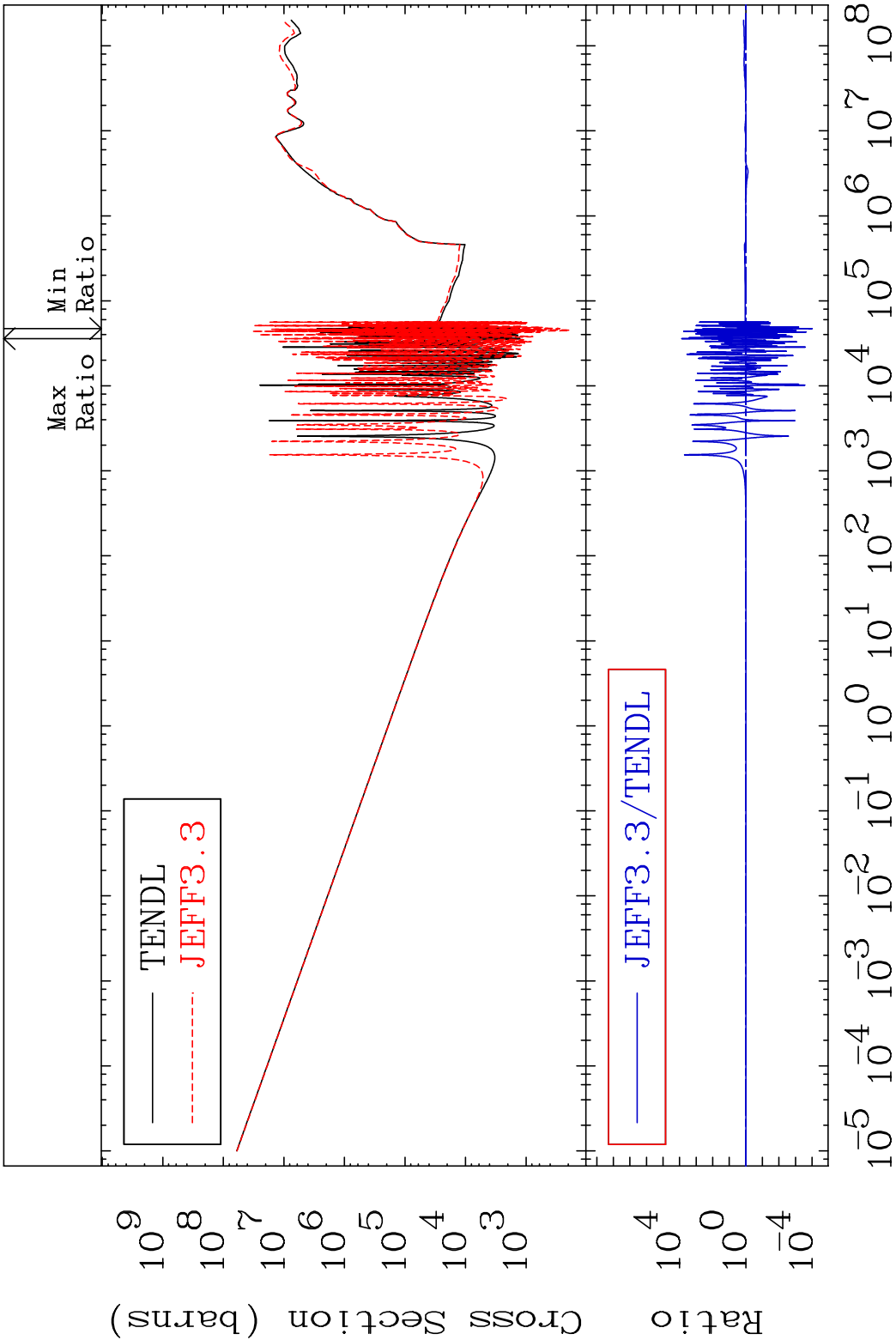
MAT 5537 Kerma fission (mt18 or mt19-20-21-38)55-Cs-137
Cross Section -100.0 To 148.1 %



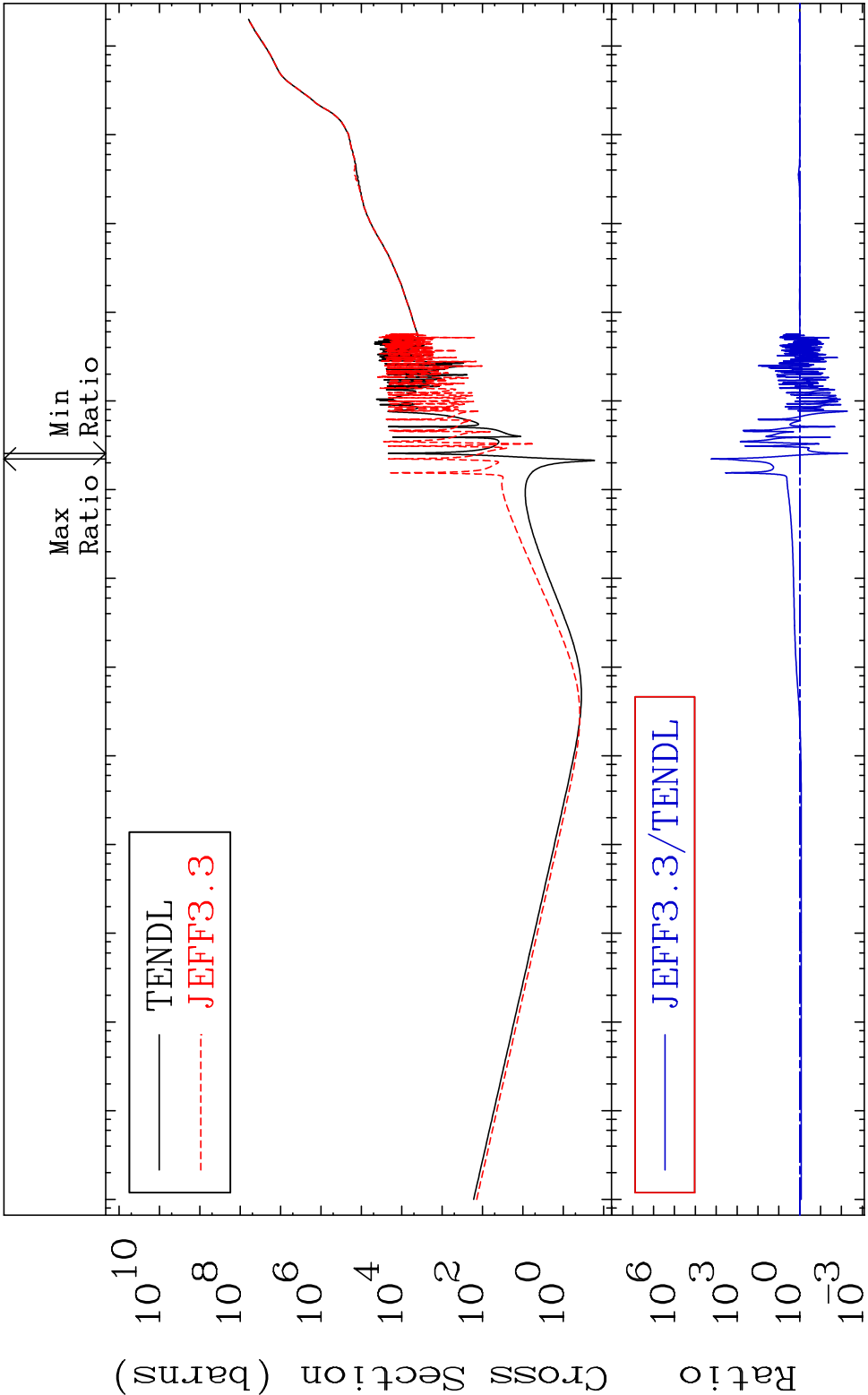
MAT 5537 Kerma capture (mt102) 55-Cs-137
Cross Section -99.99 To 9999. %



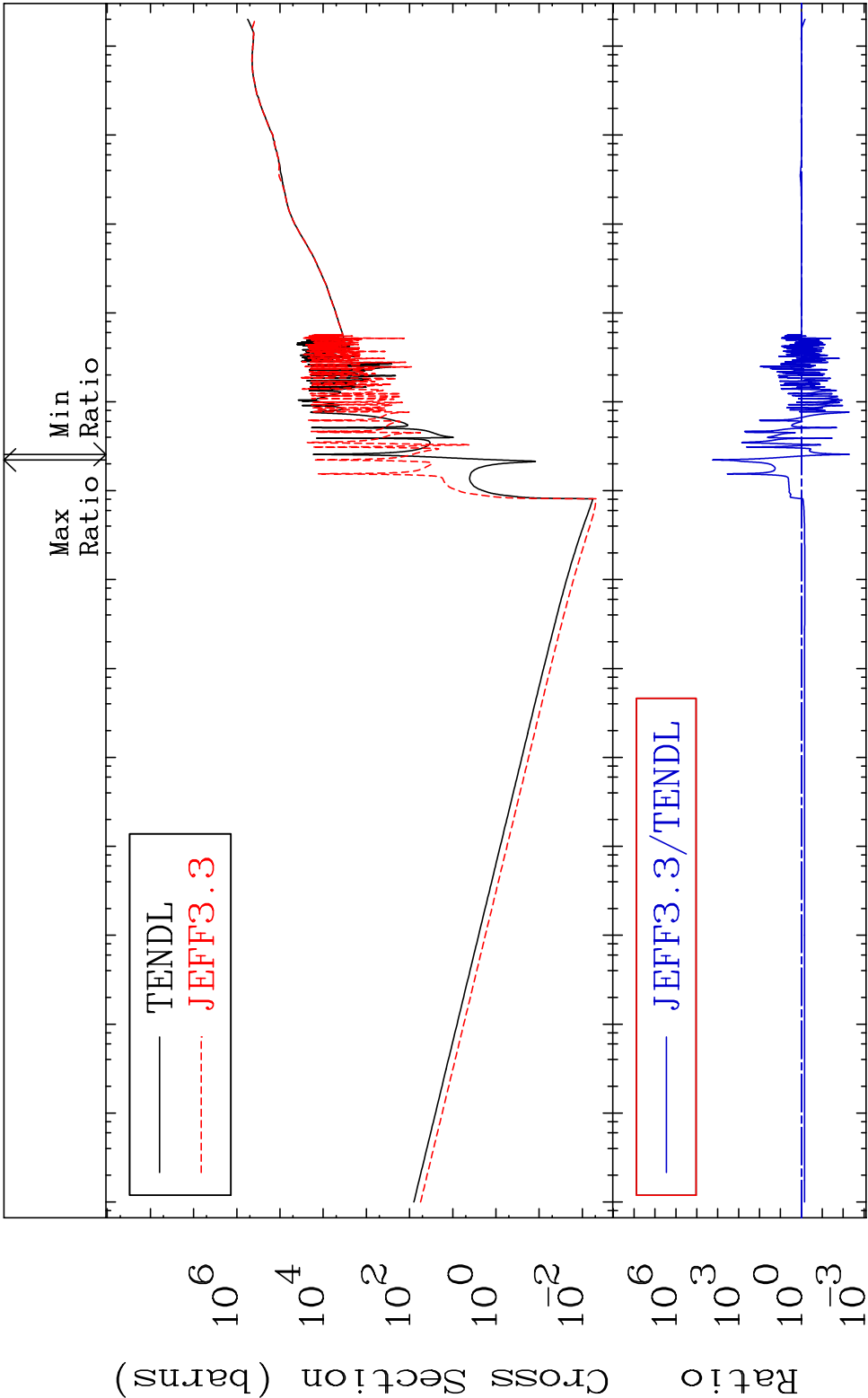
57 Incident Energy (eV) 55-Cs-137



MAT 5537 Total kinematic kerma (high limit) 55-Cs-137
Cross Section -99.50 To 9999. %

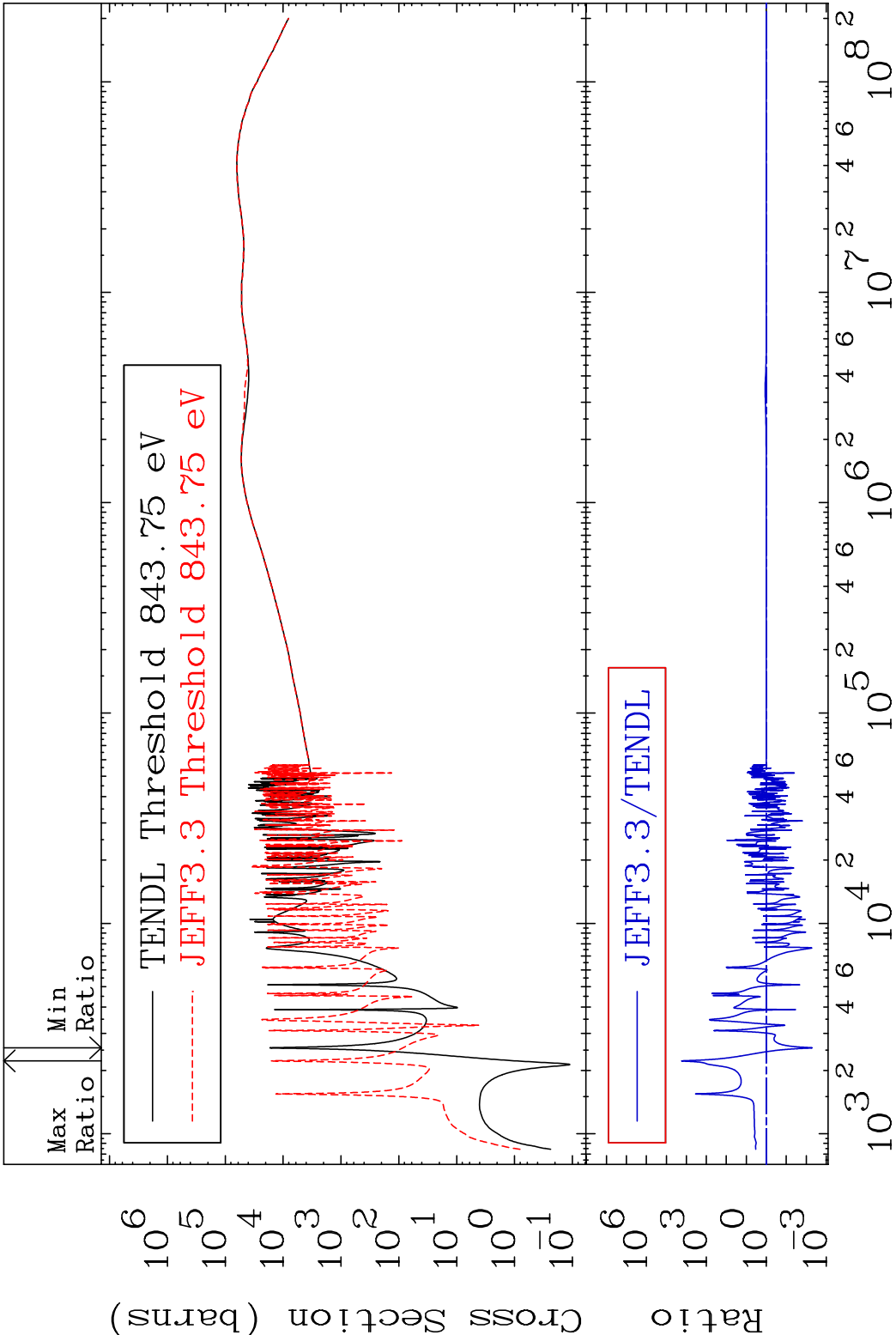


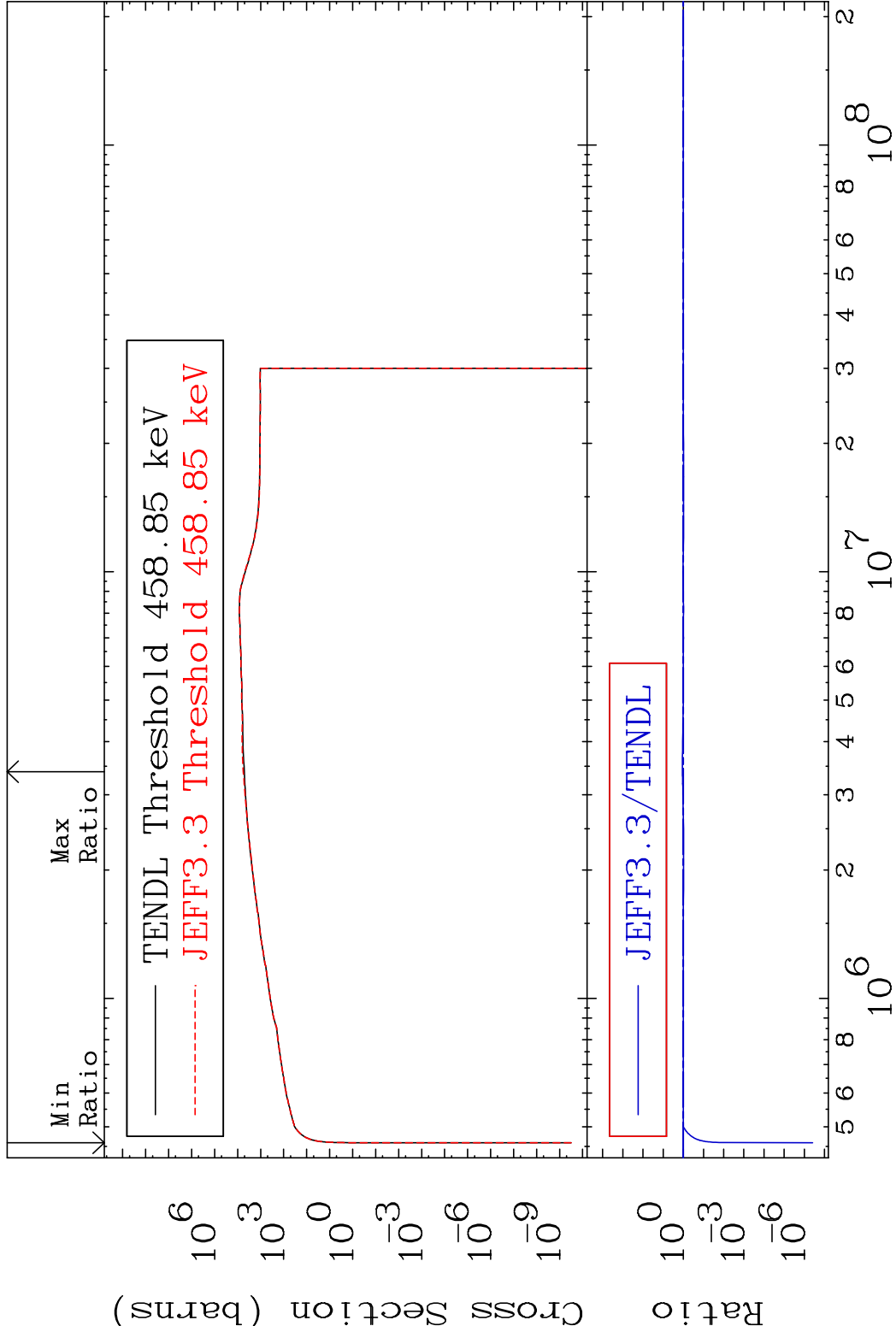
MAT 5537 Dpa total (eV-barns) 55-Cs-137
Cross Section -99.50 To 9999. %



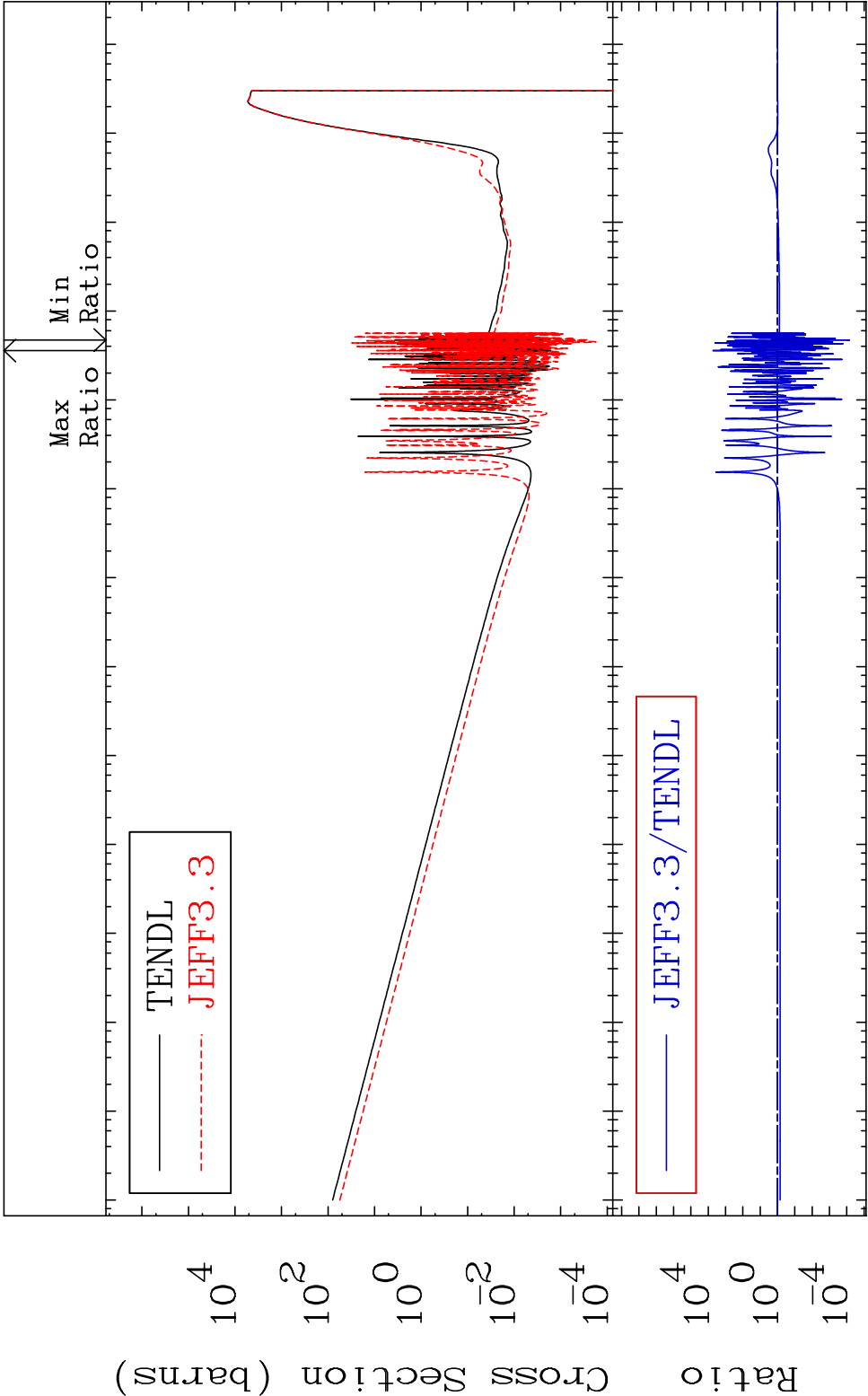
60 Incident Energy (eV) 55-Cs-137

MAT 5537	Dpa elastic (mt2)	55-Cs-137
	Cross Section	-99.50 To 9999. %



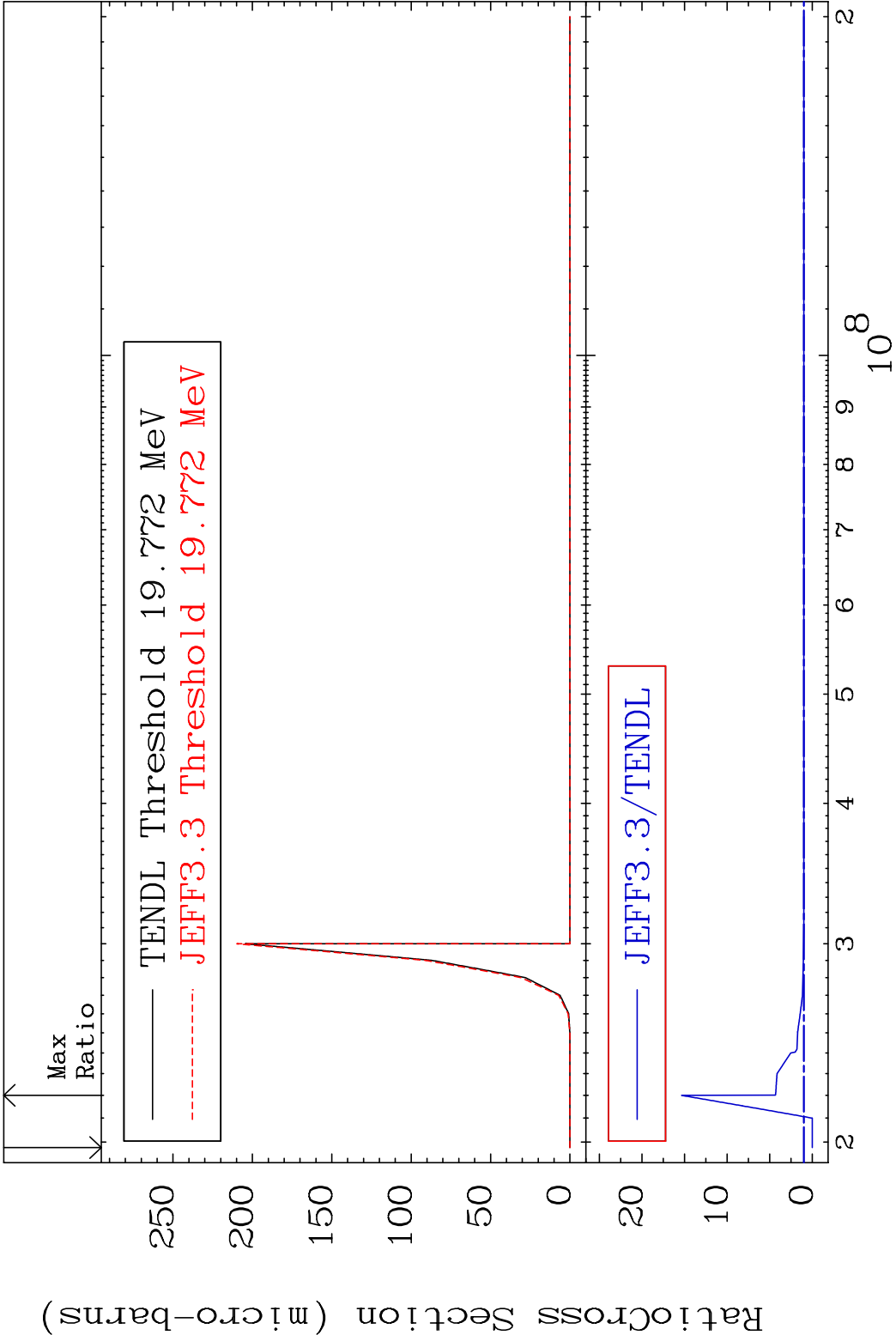


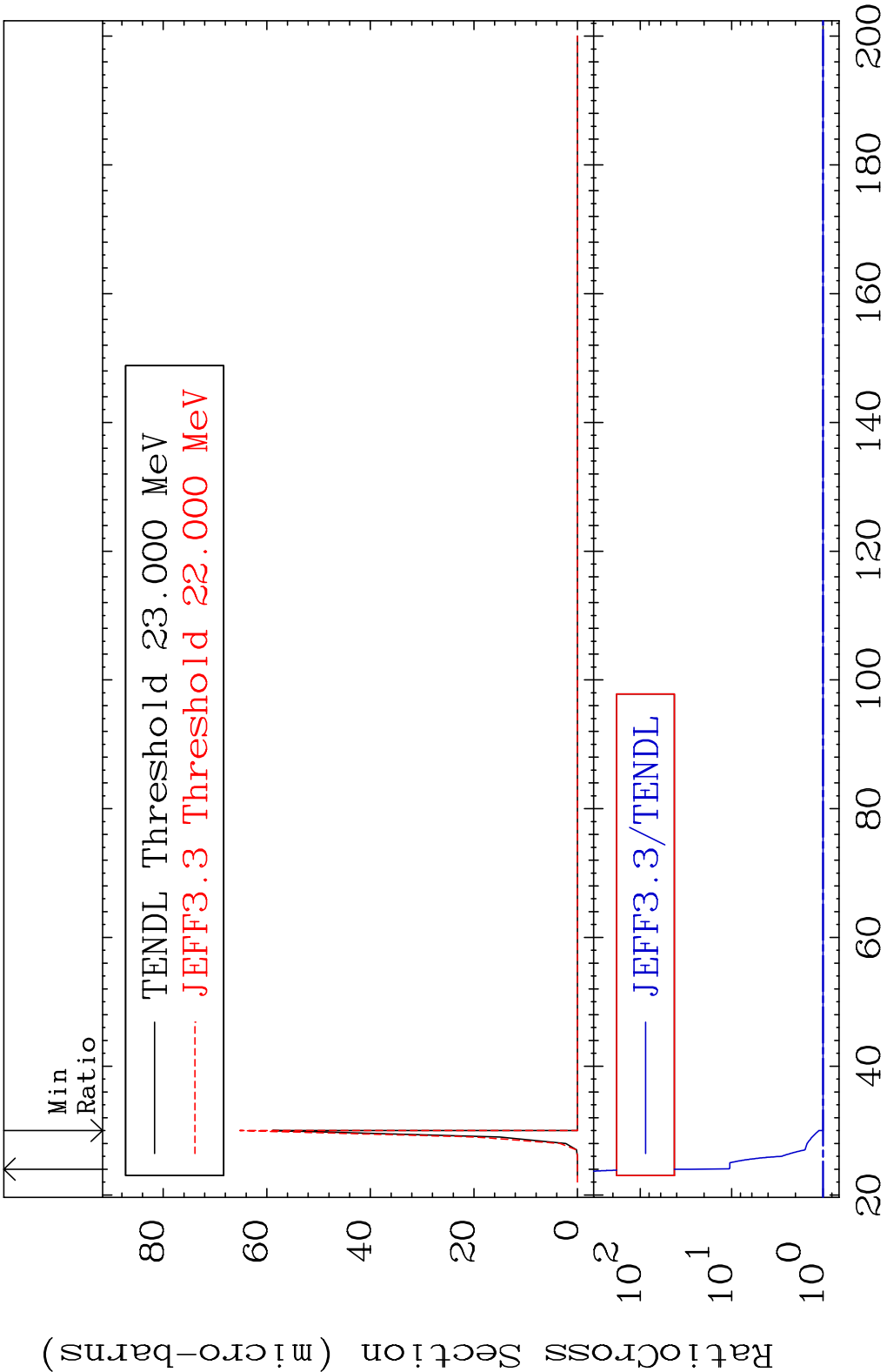
MAT 5537 Dpa disappearance (mt102 -120) 55-Cs-137
Cross Section -99.99 To 9999. %

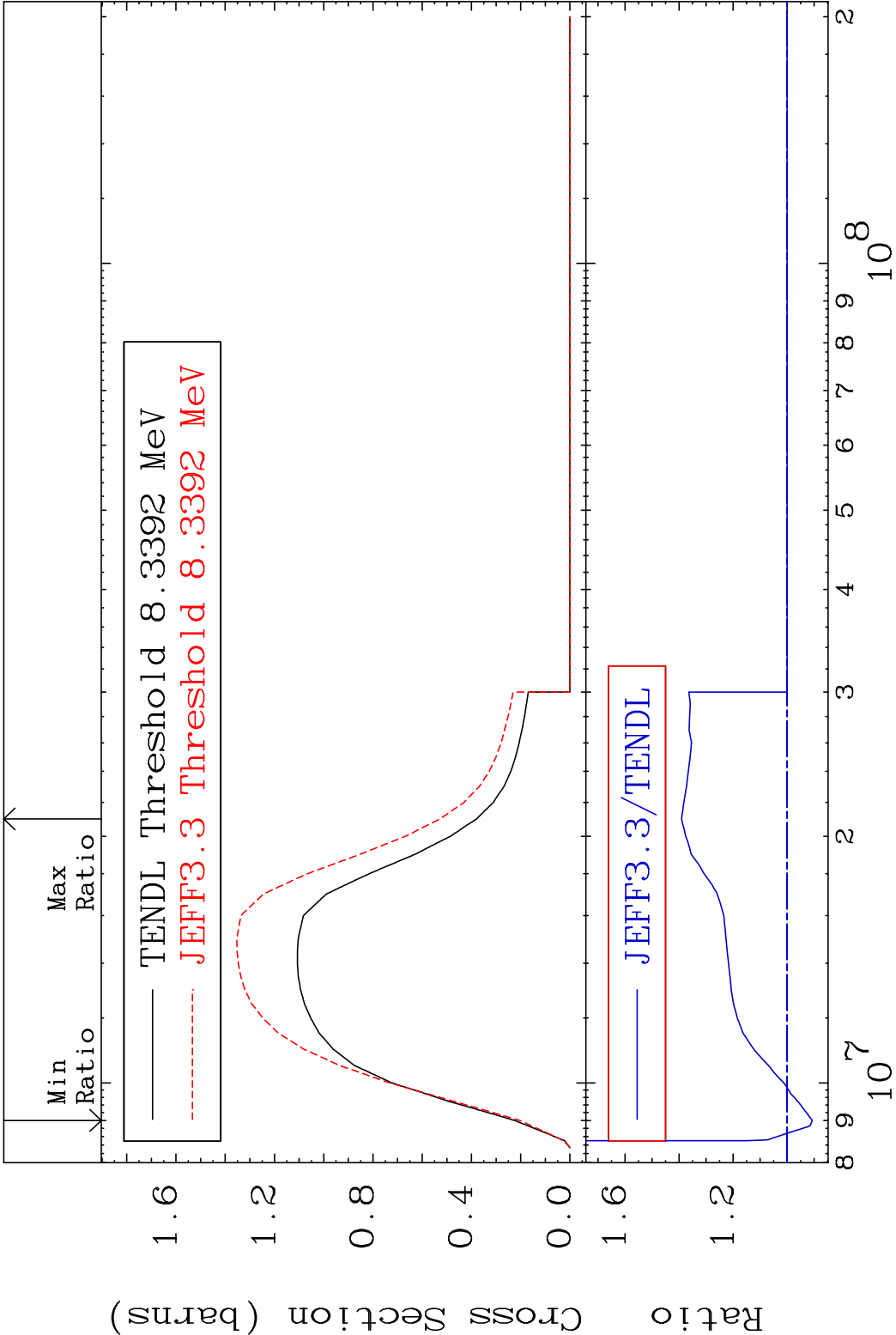


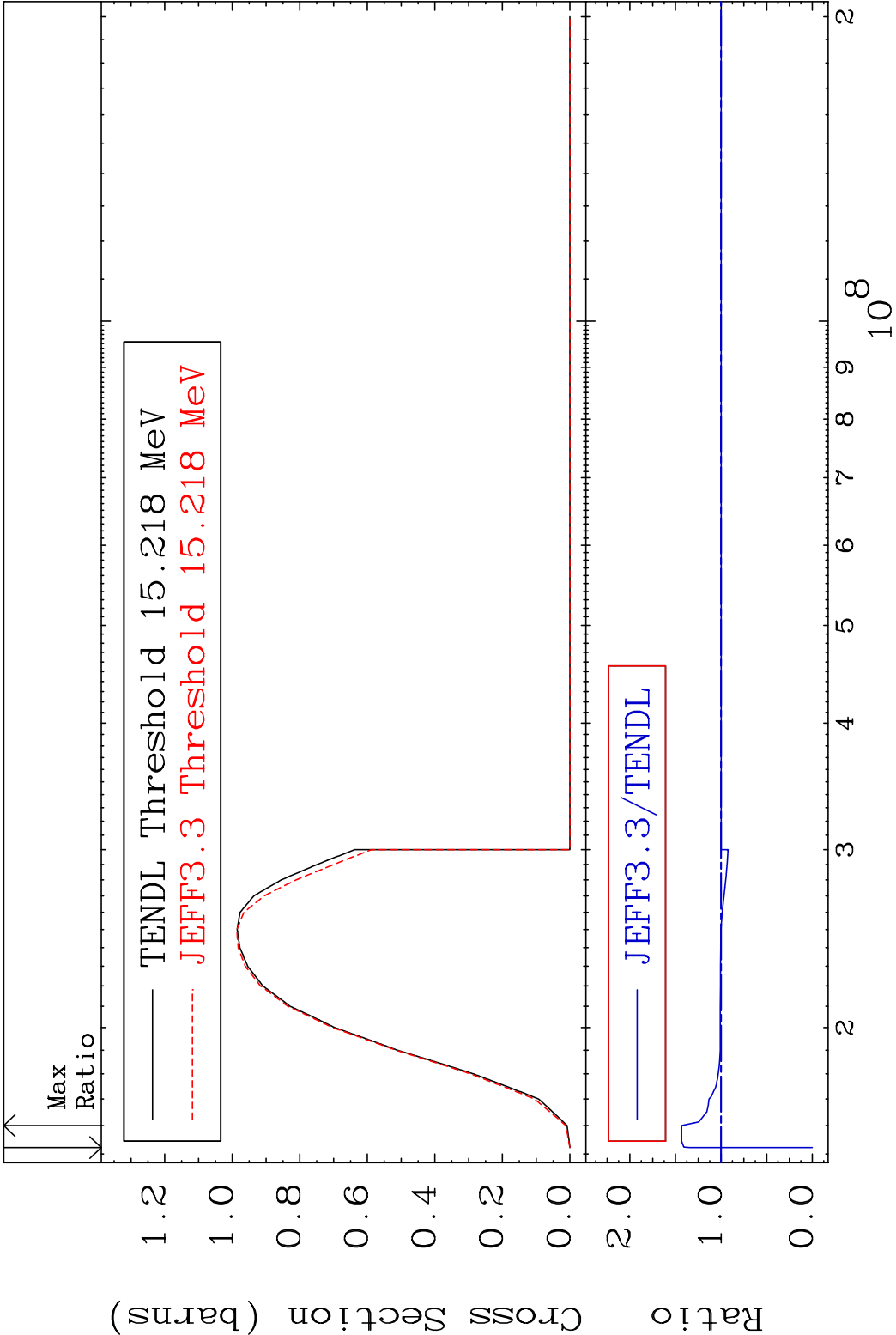
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

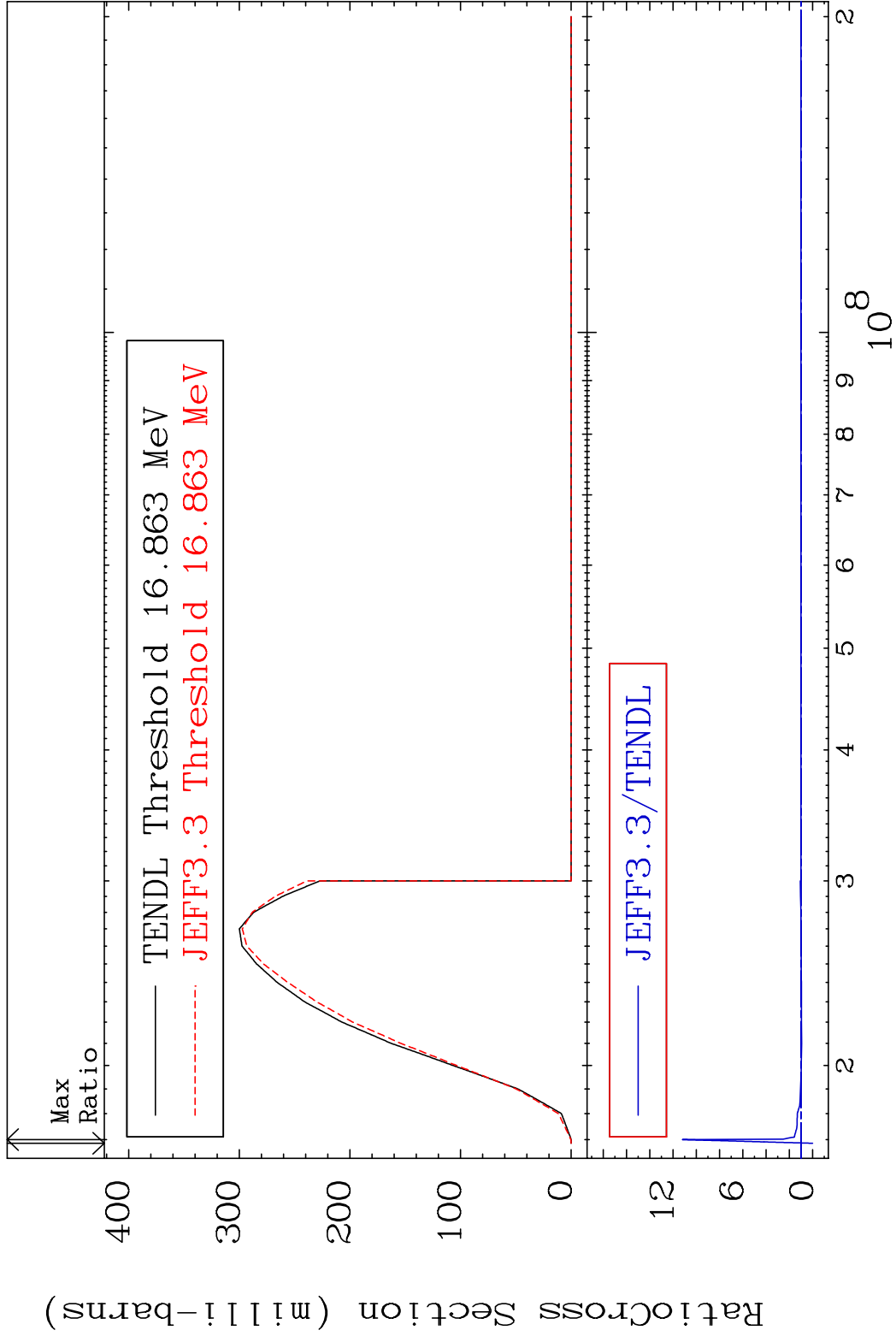
63 Incident Energy (eV) 55-Cs-137

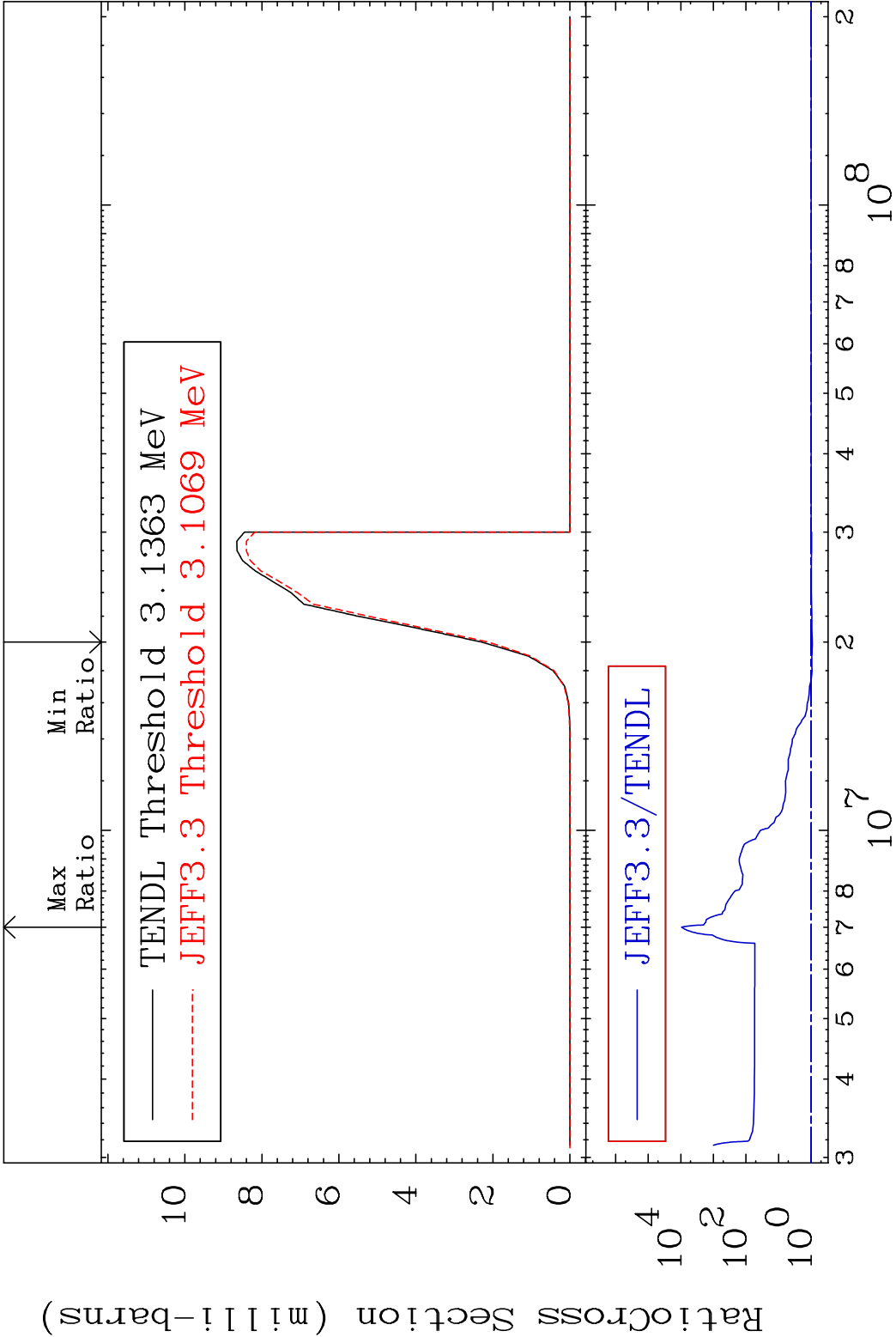


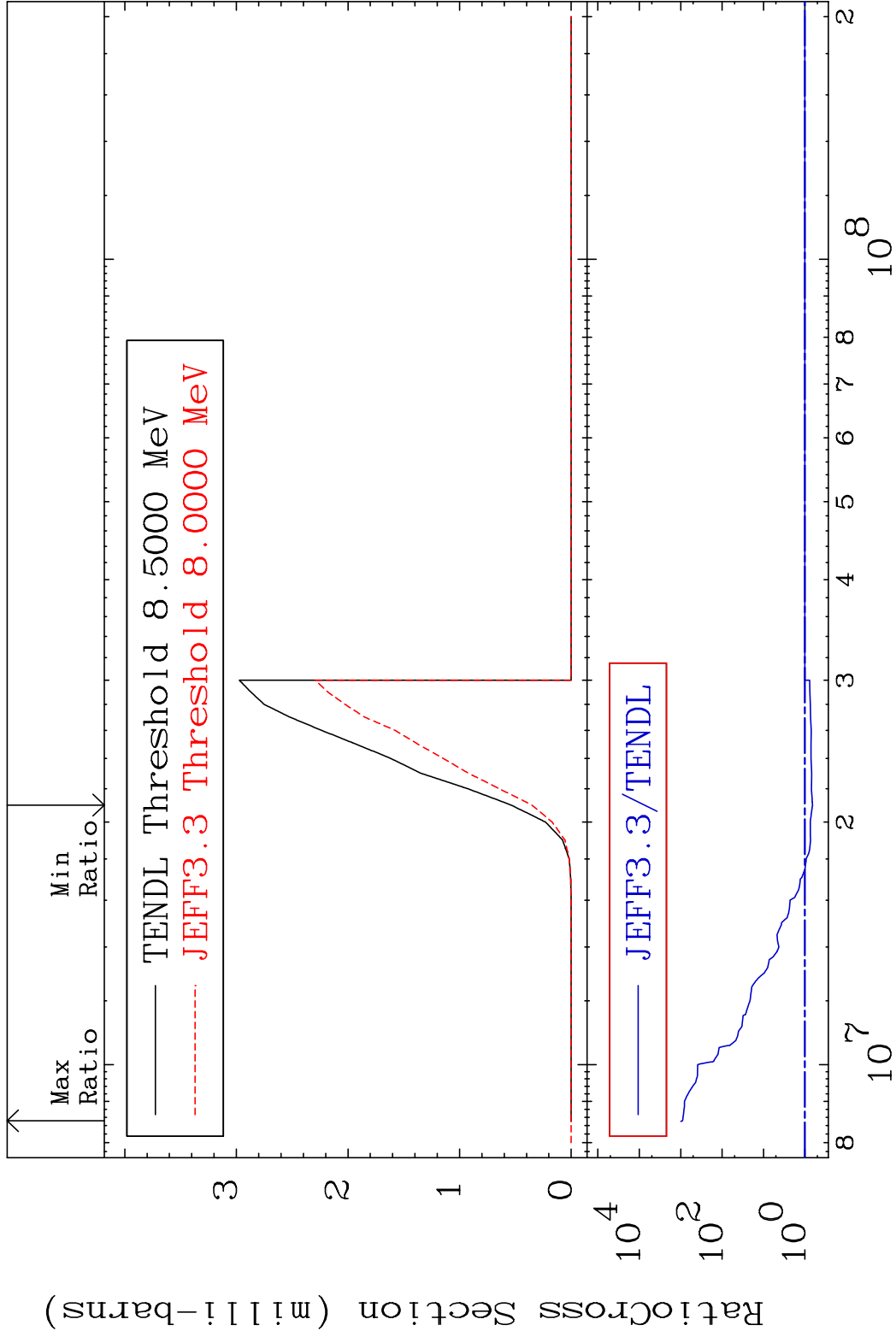


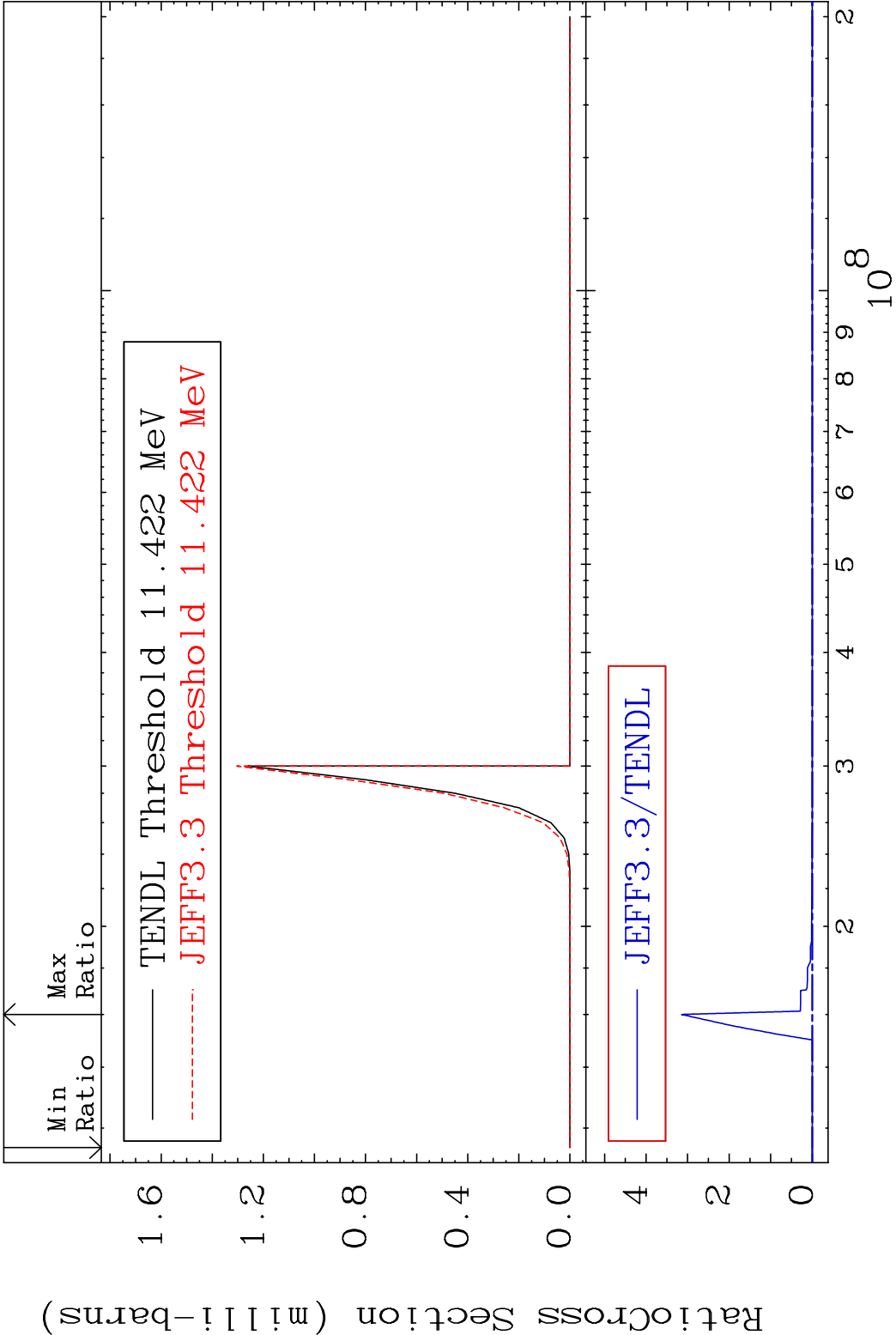


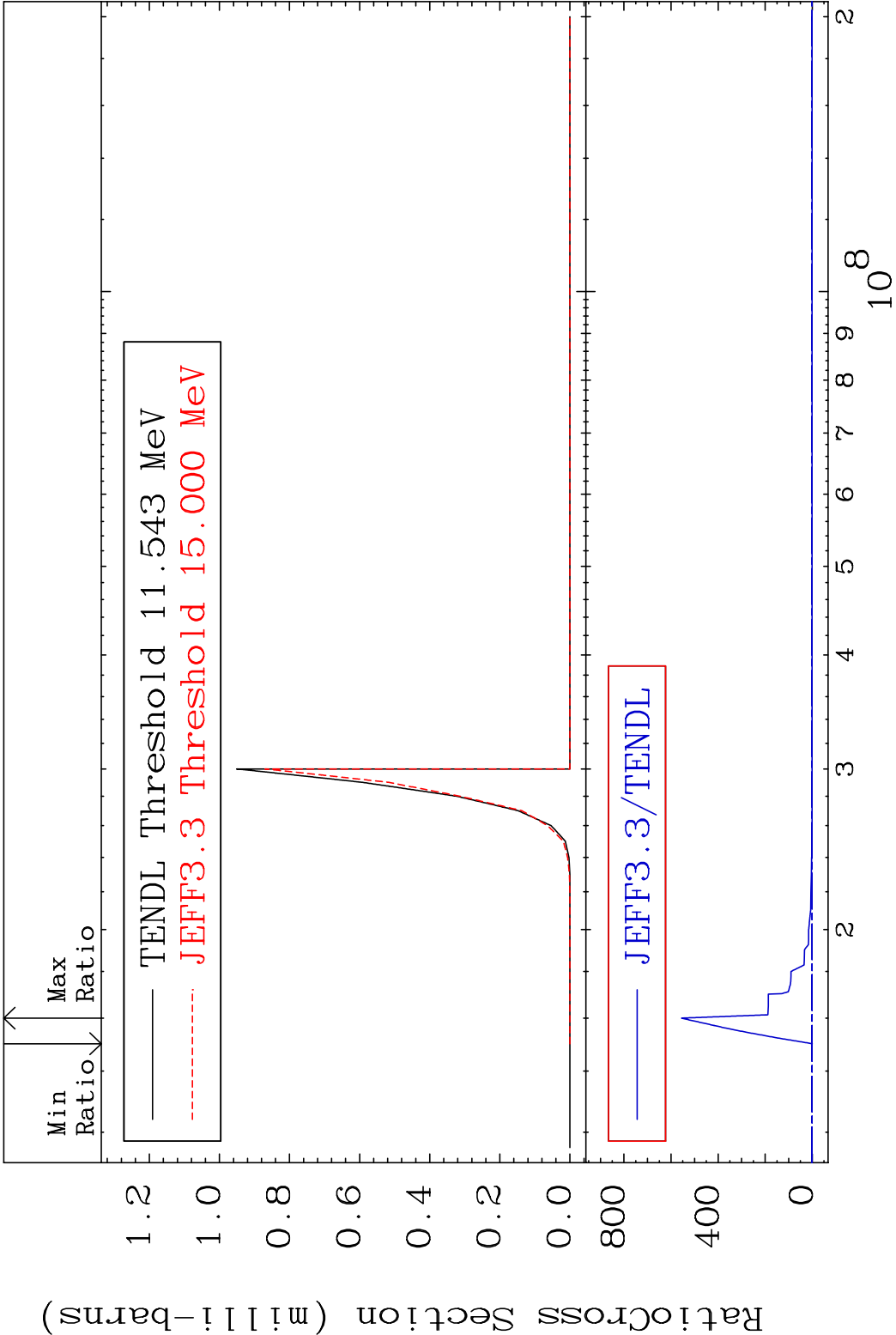


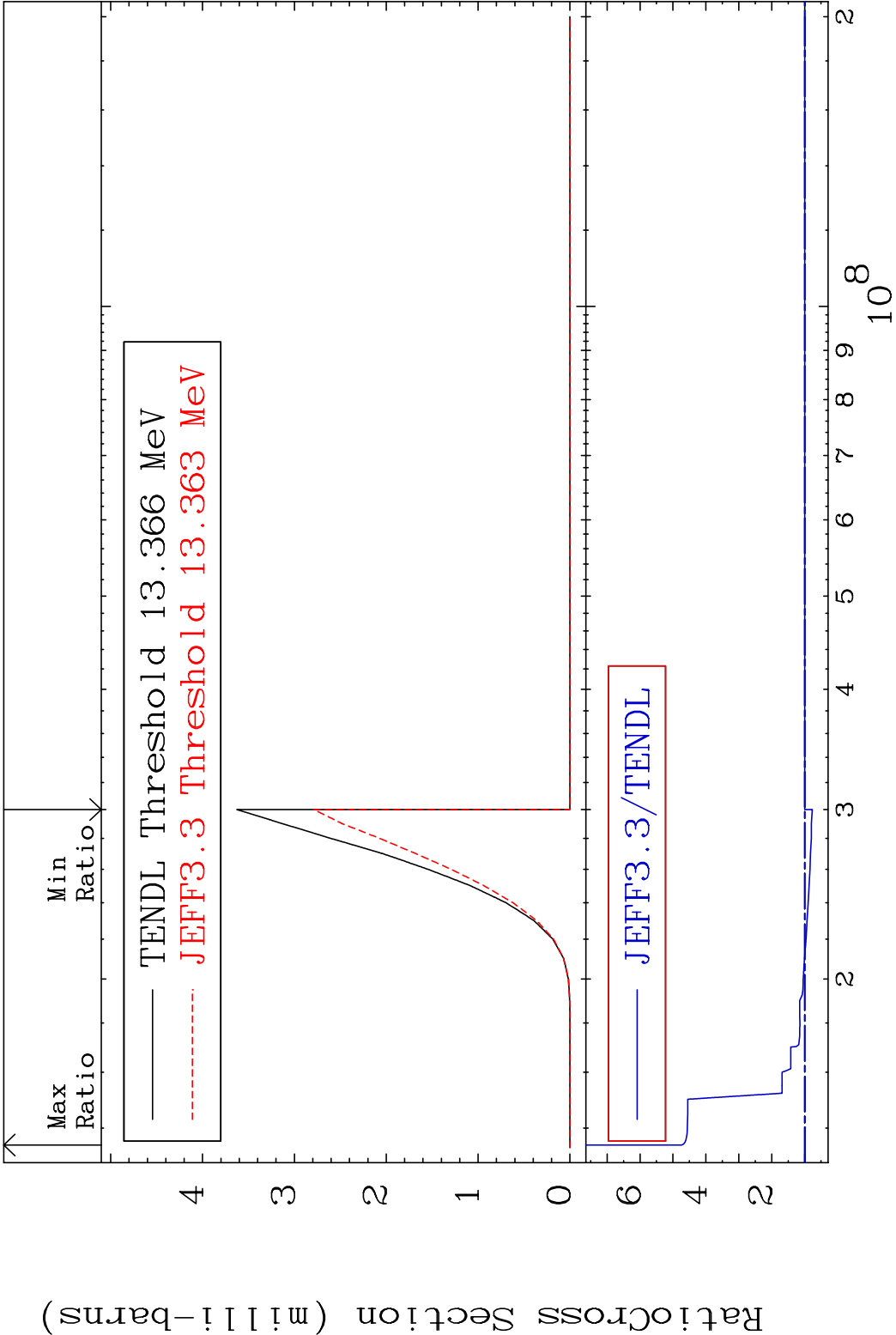


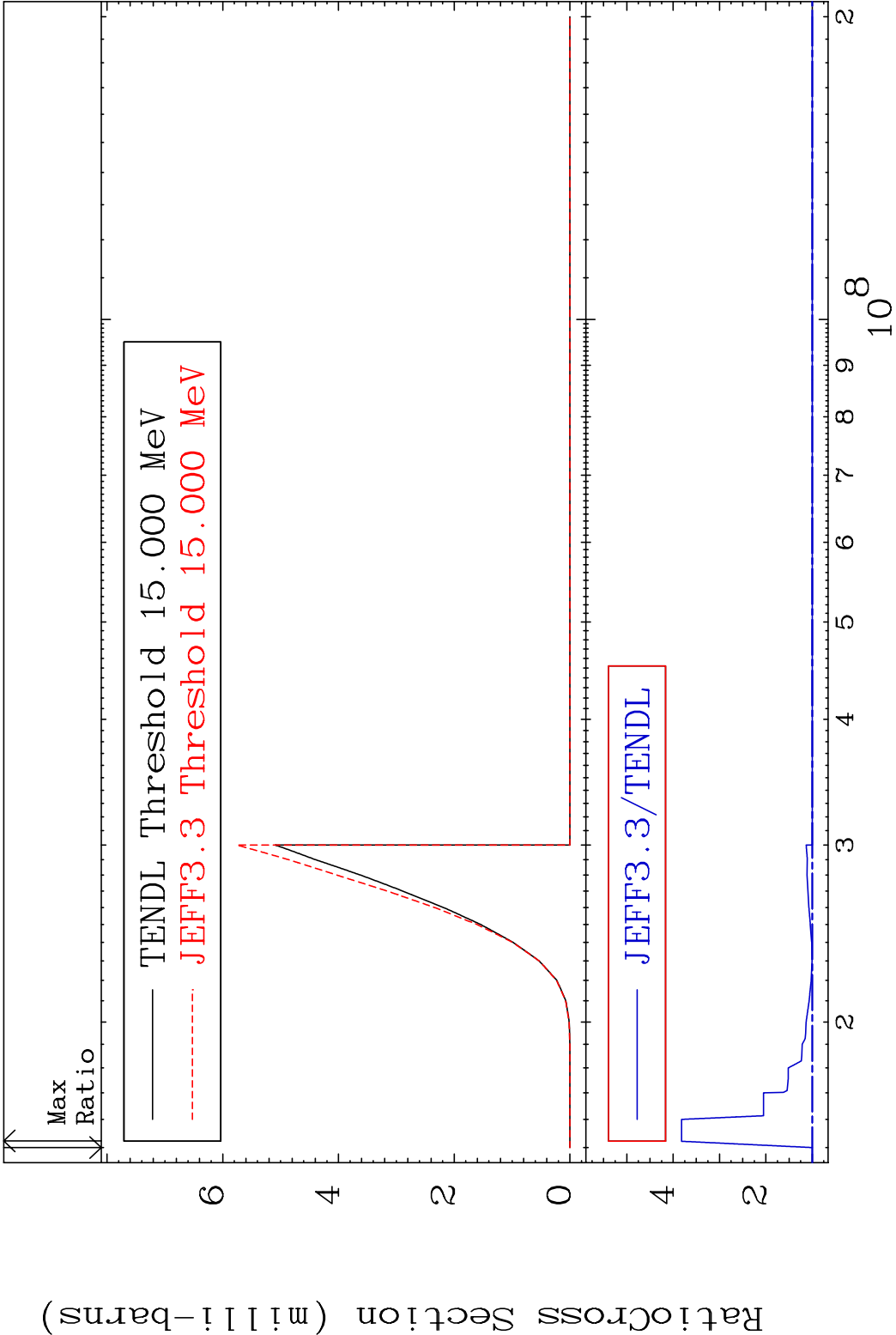


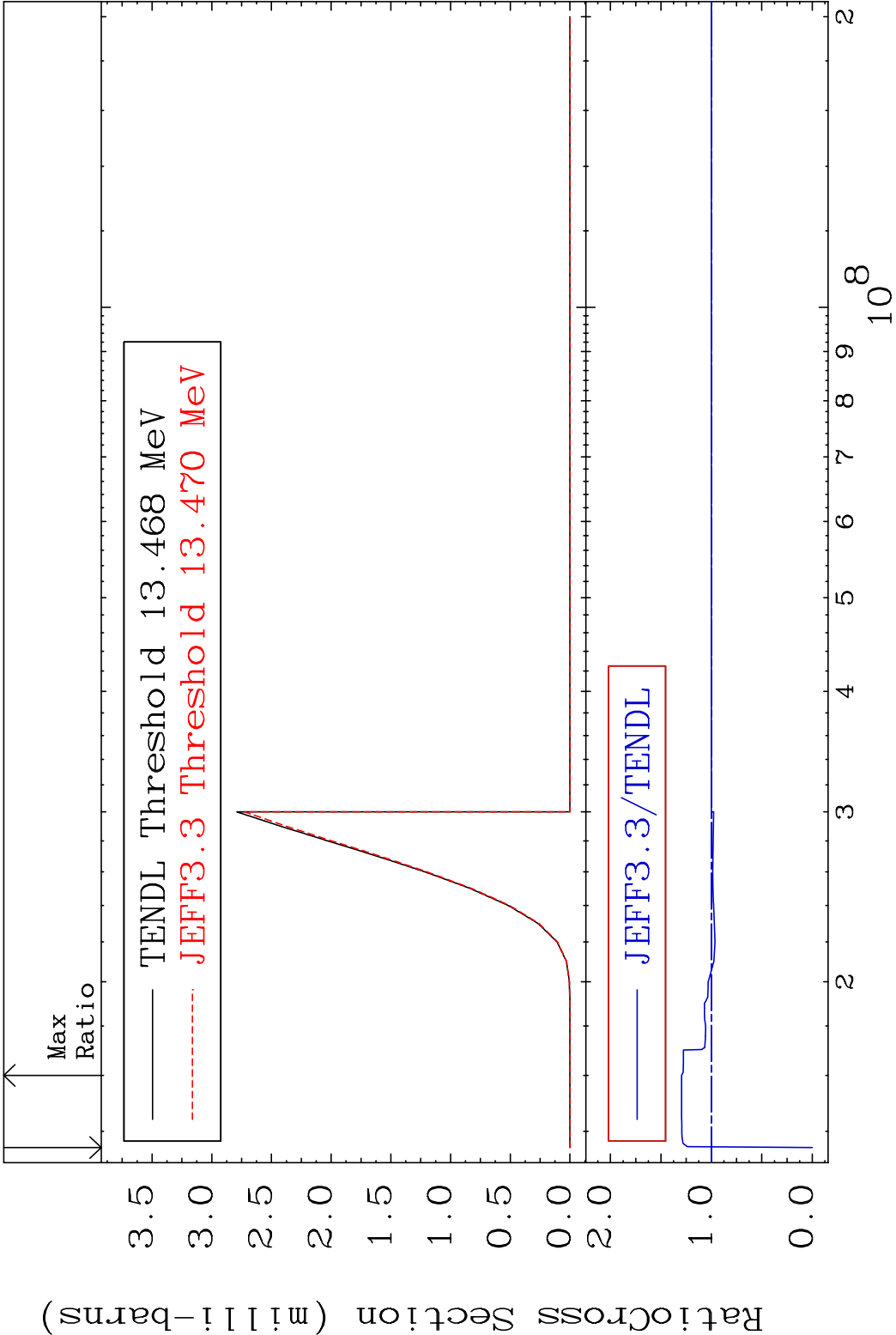












Radionuclide Production Cross-Section to 68.07 %

