

Program Complot
(Version 2021-1)

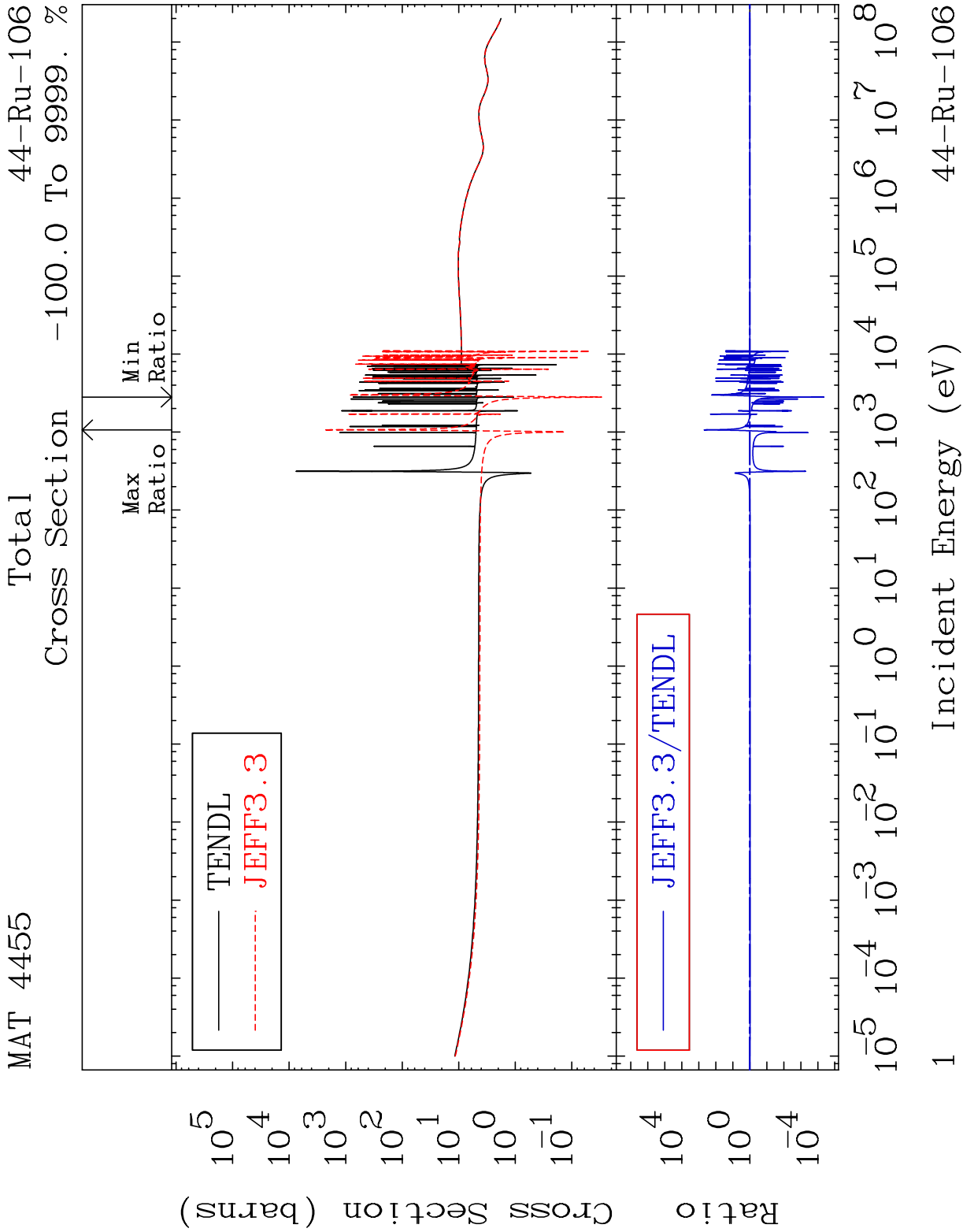
by

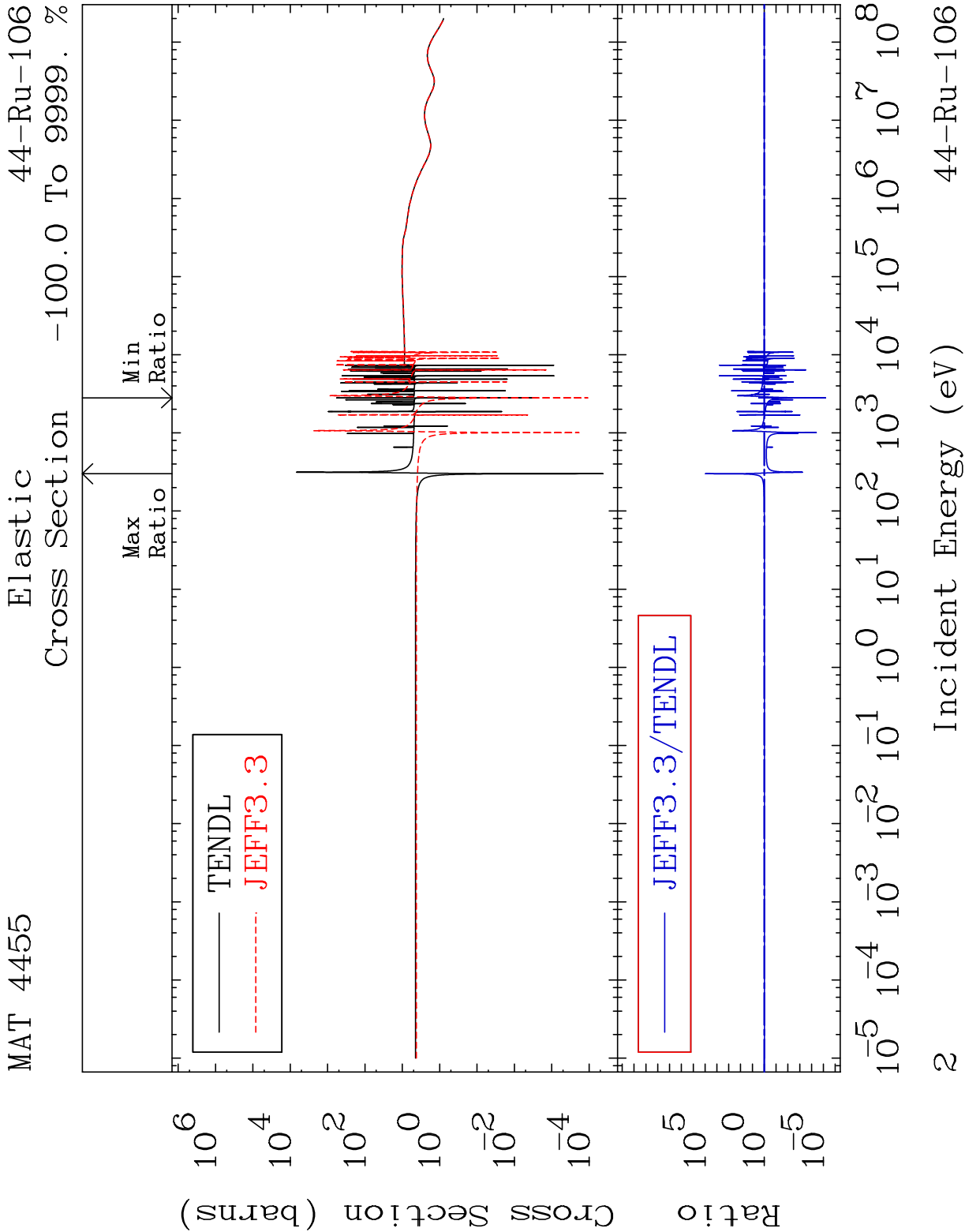
Dermott E. Cullen
(Present Contact Information)

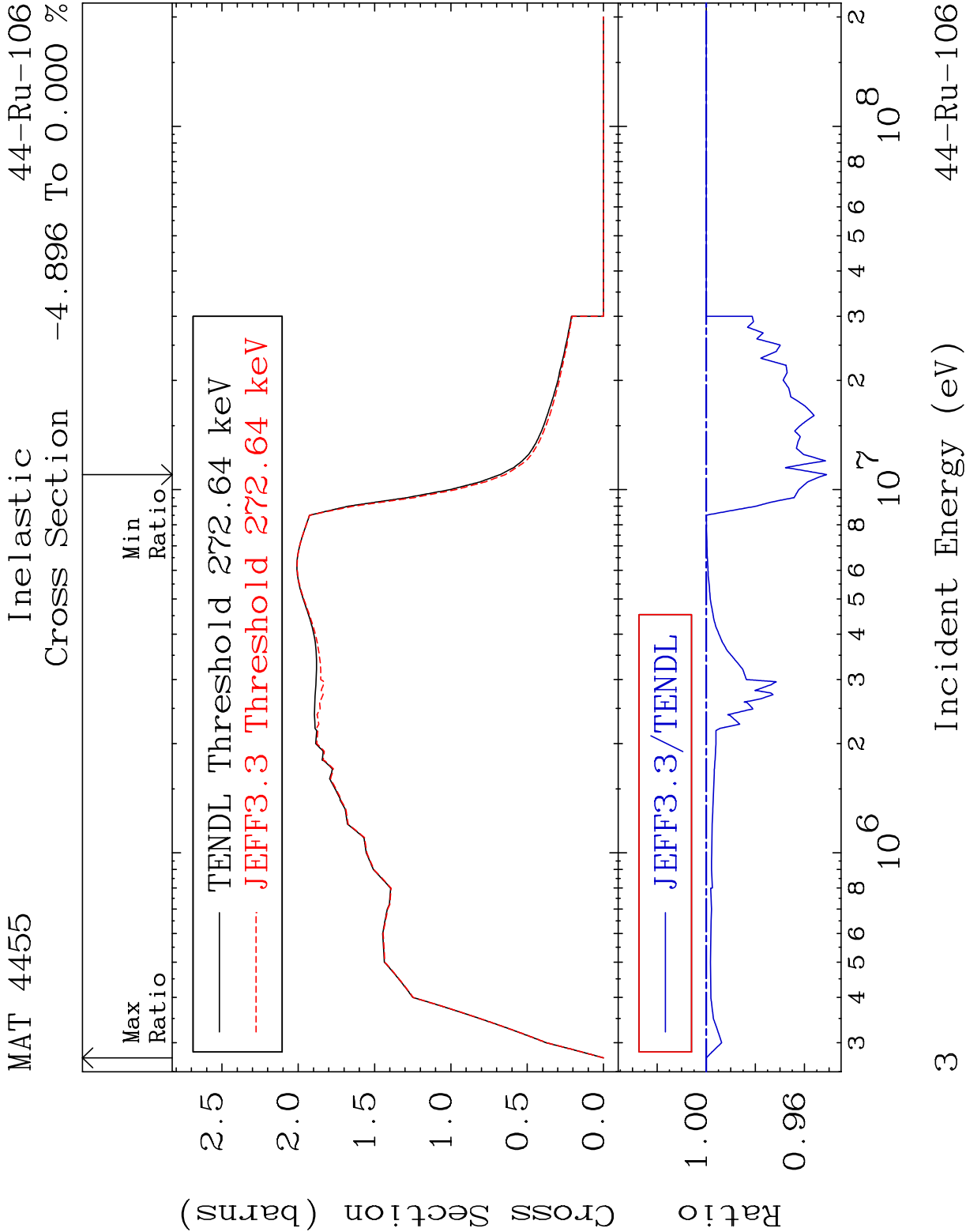
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

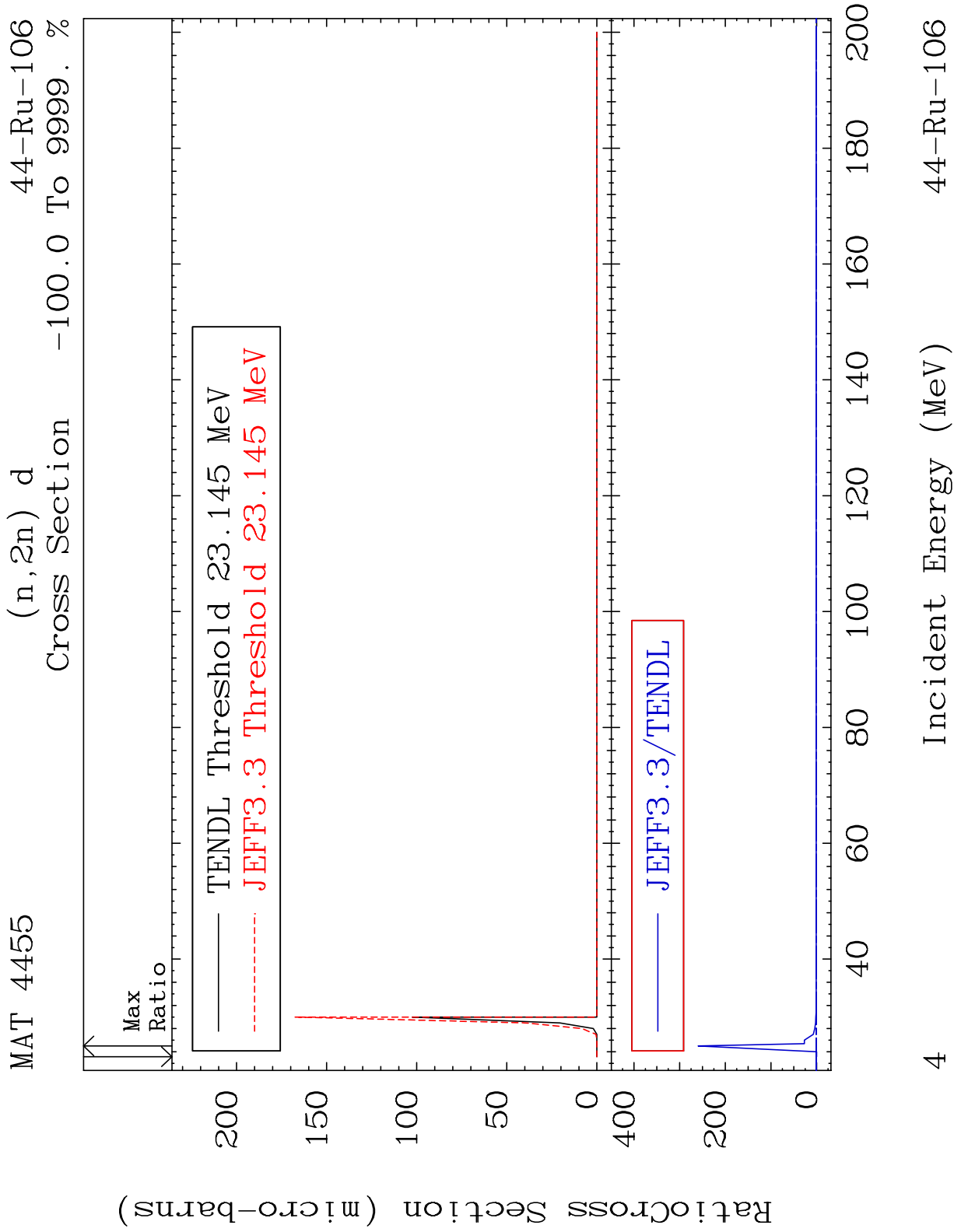
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

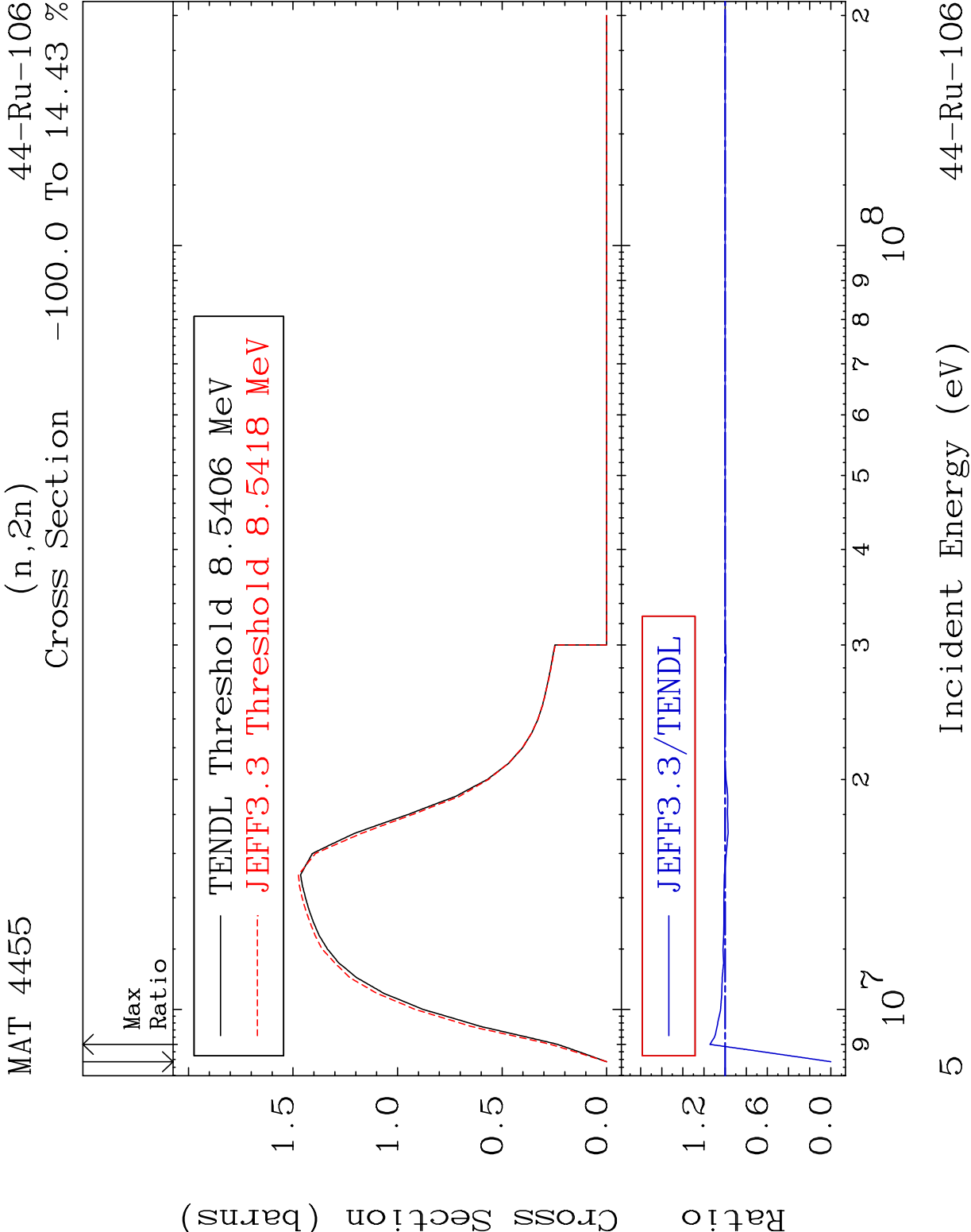
Press Mouse Button to Start

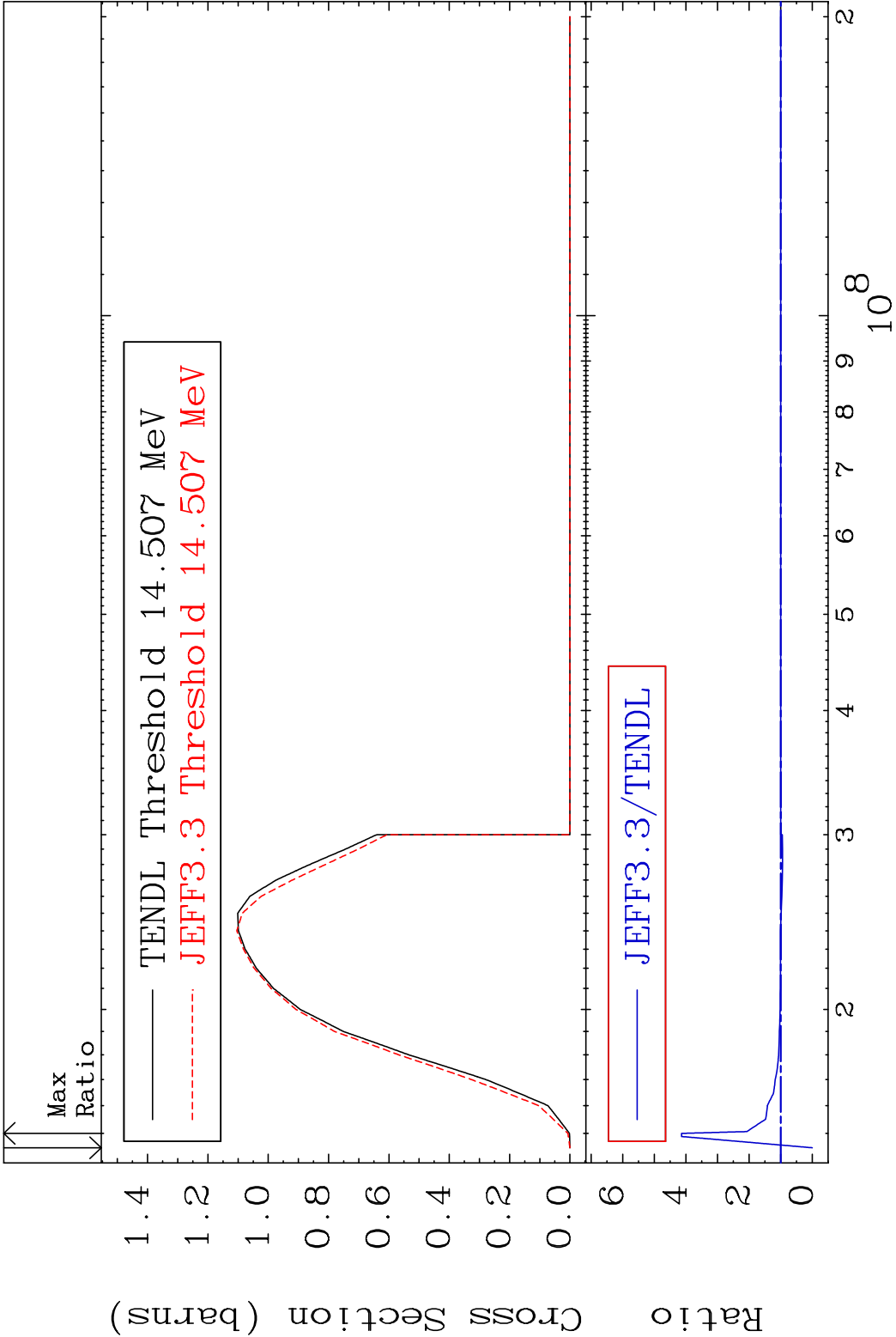


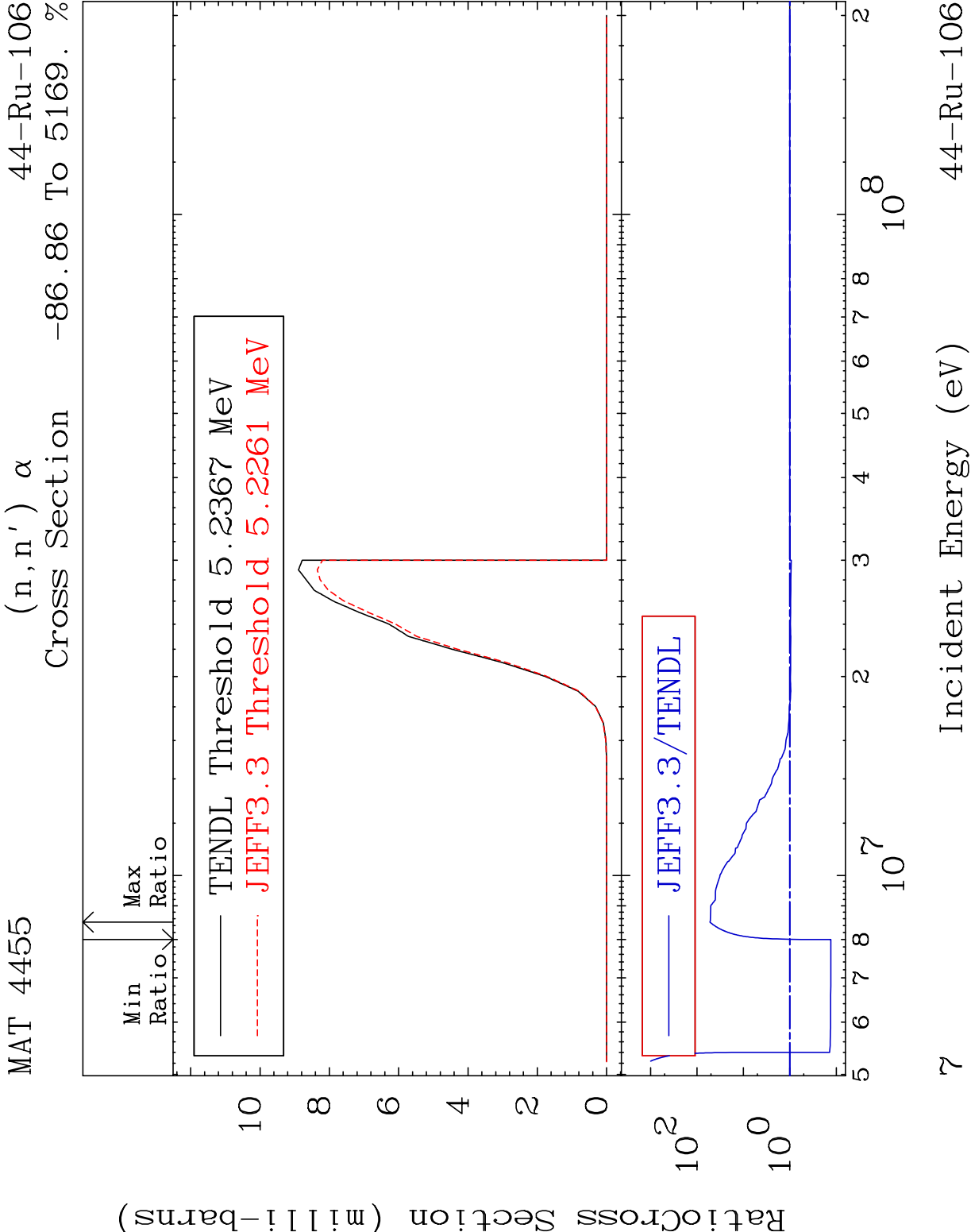






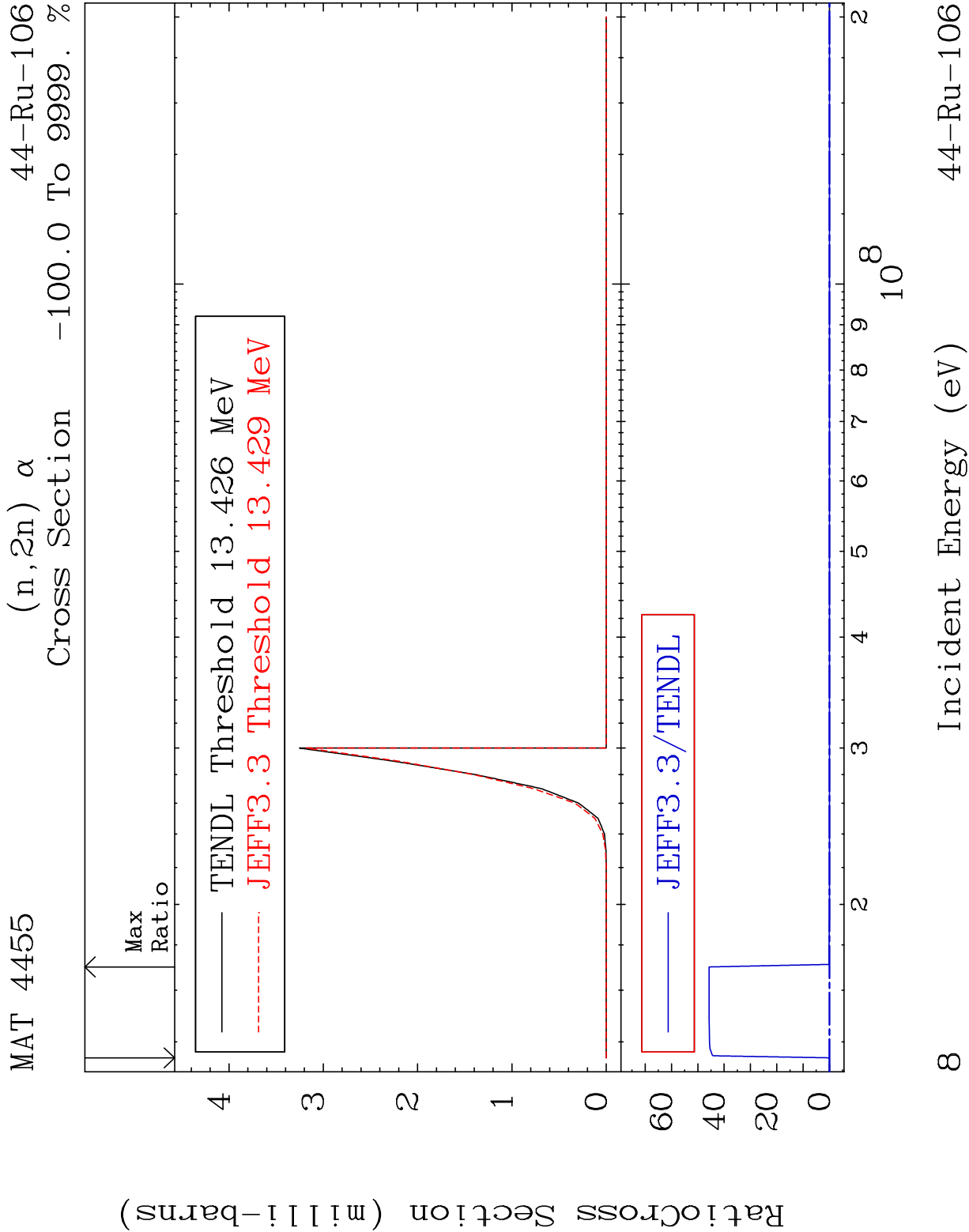


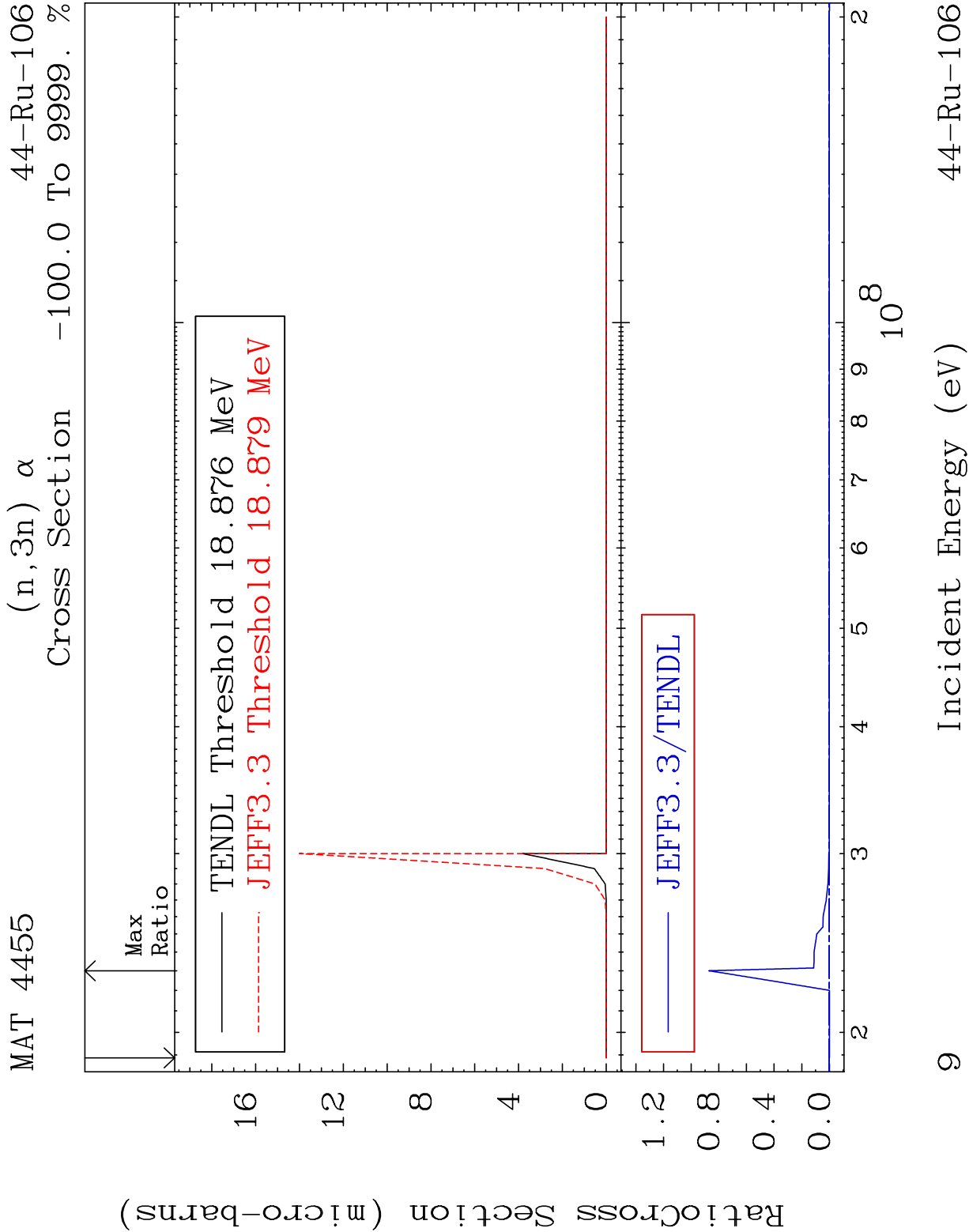


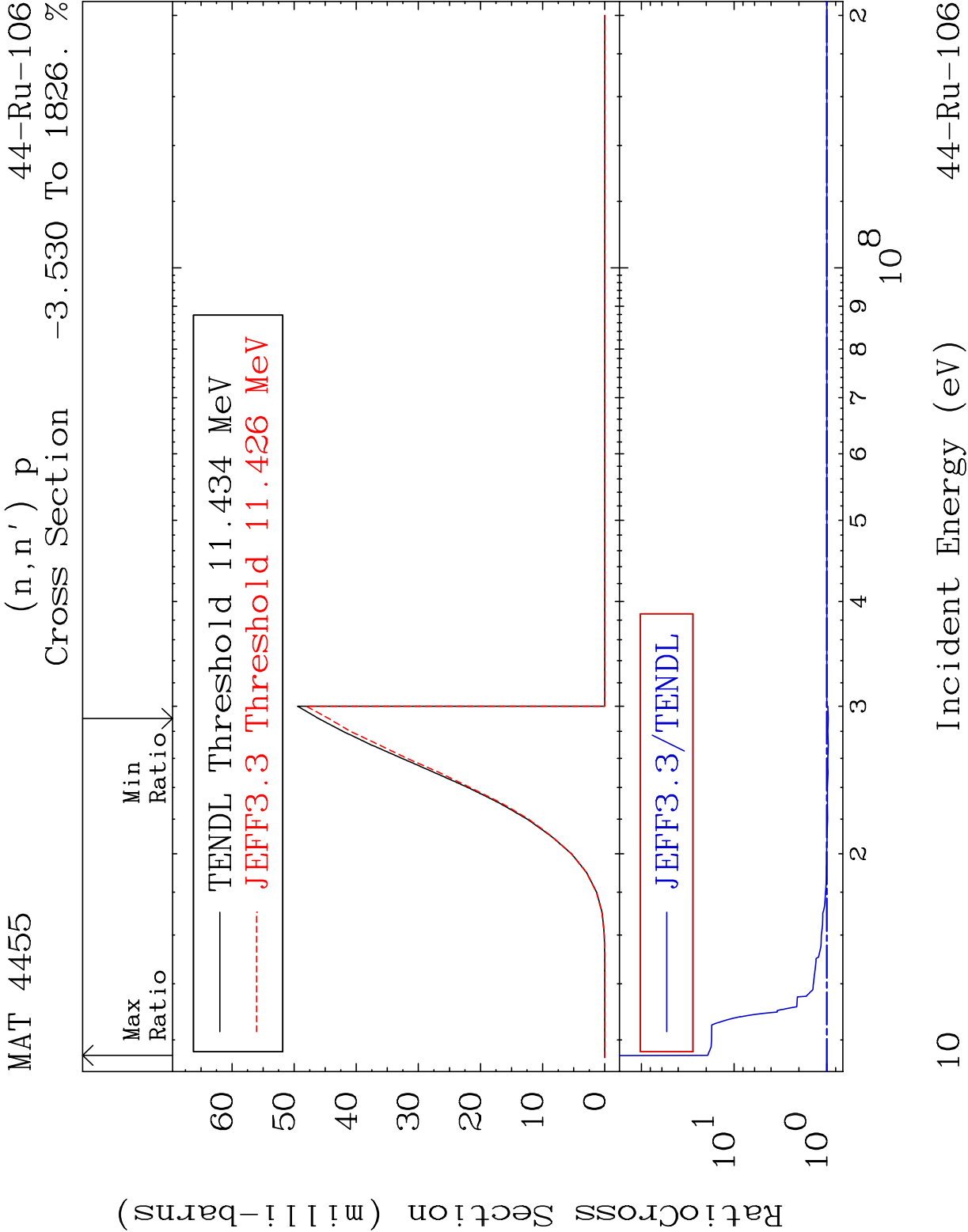


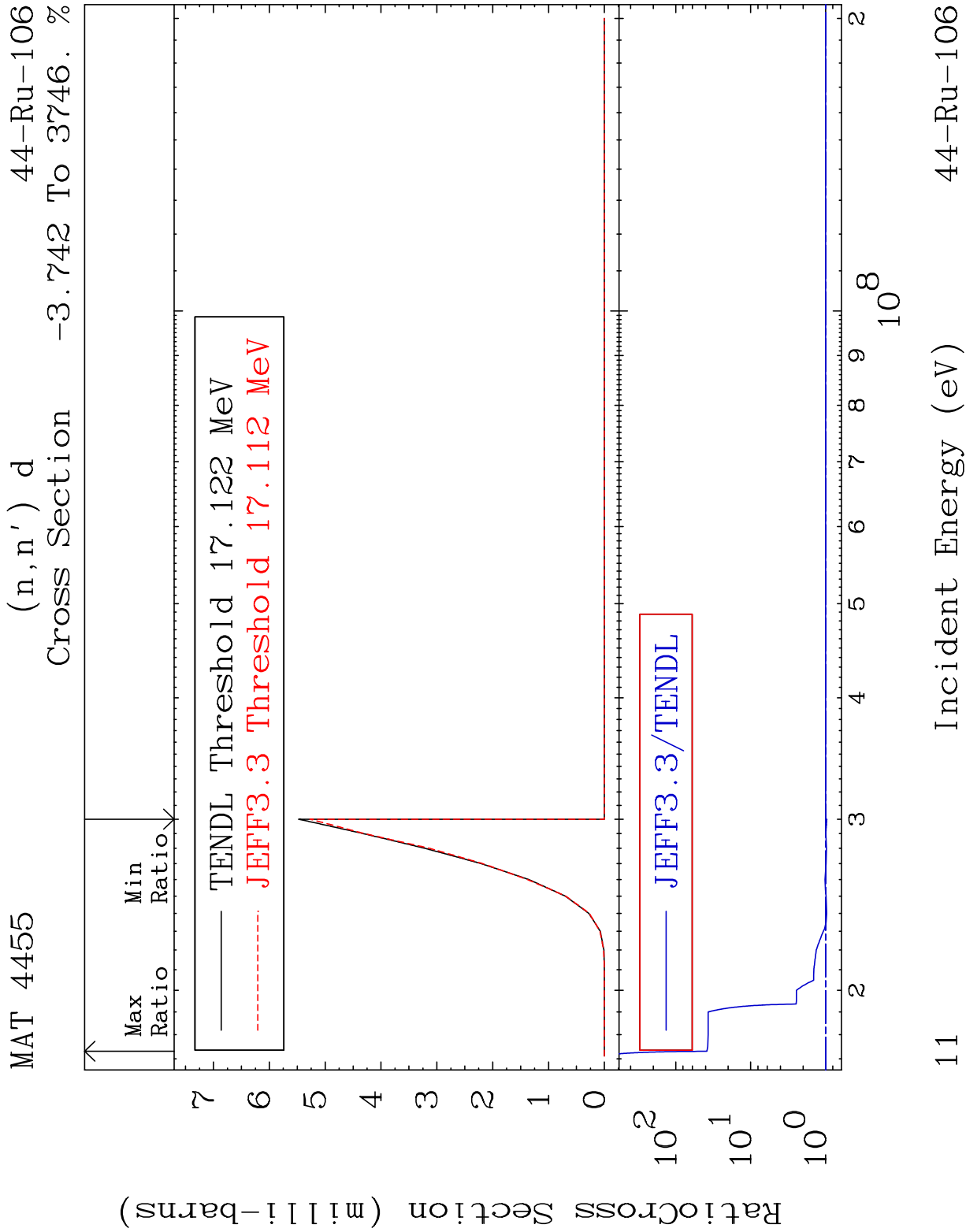
Incident Energy (eV)

44-Ru-106







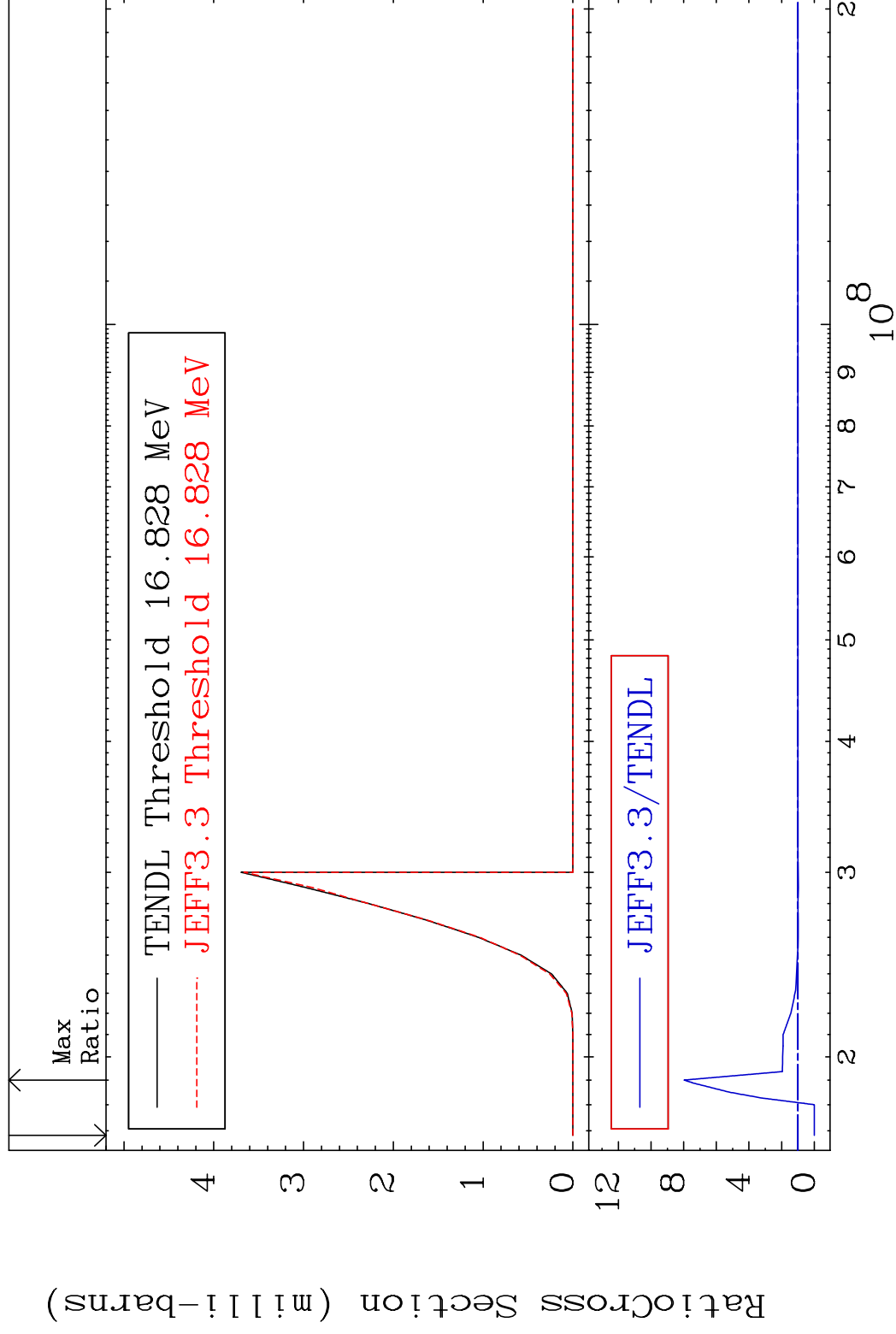


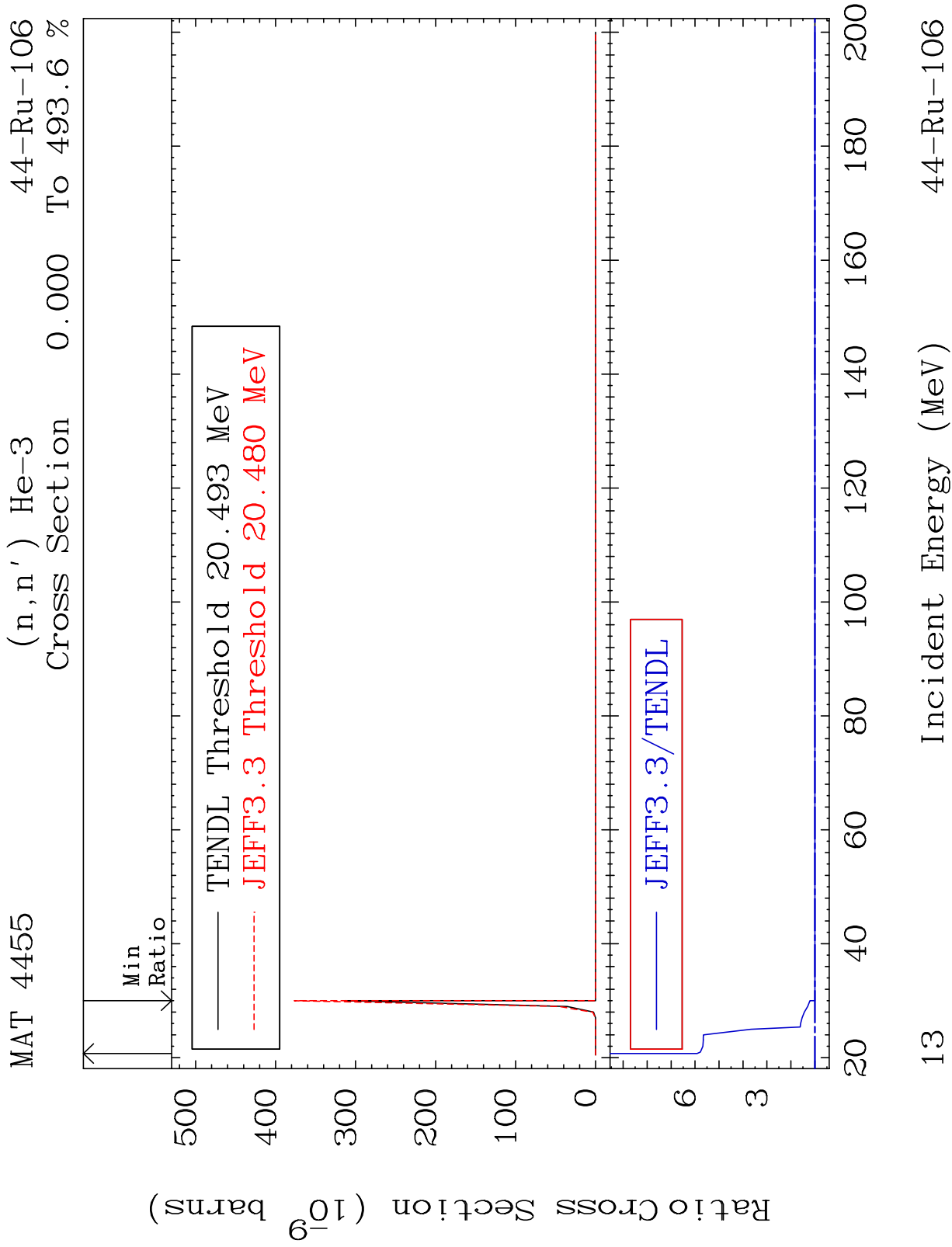
MAT 4455

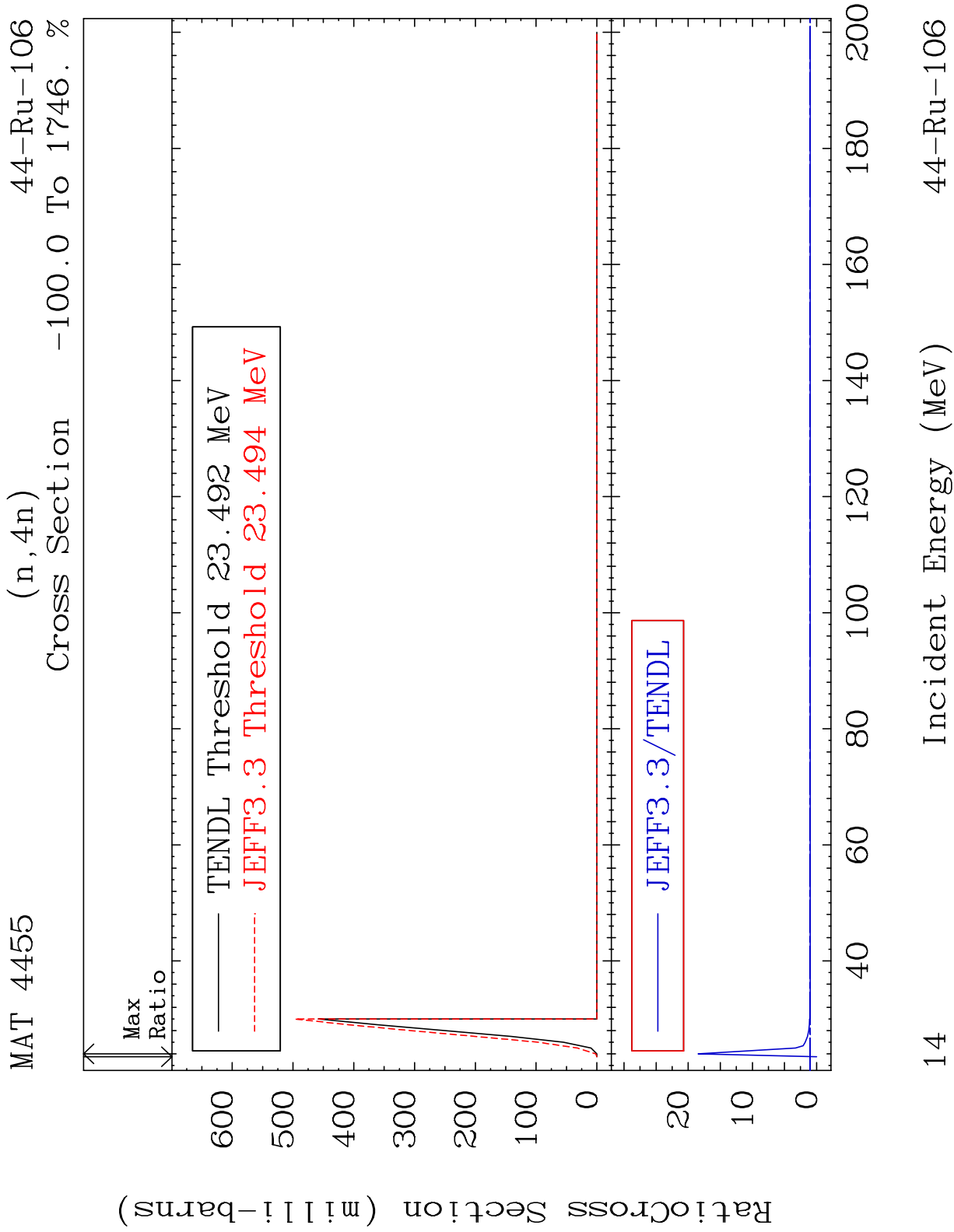
$$(n, n')t$$

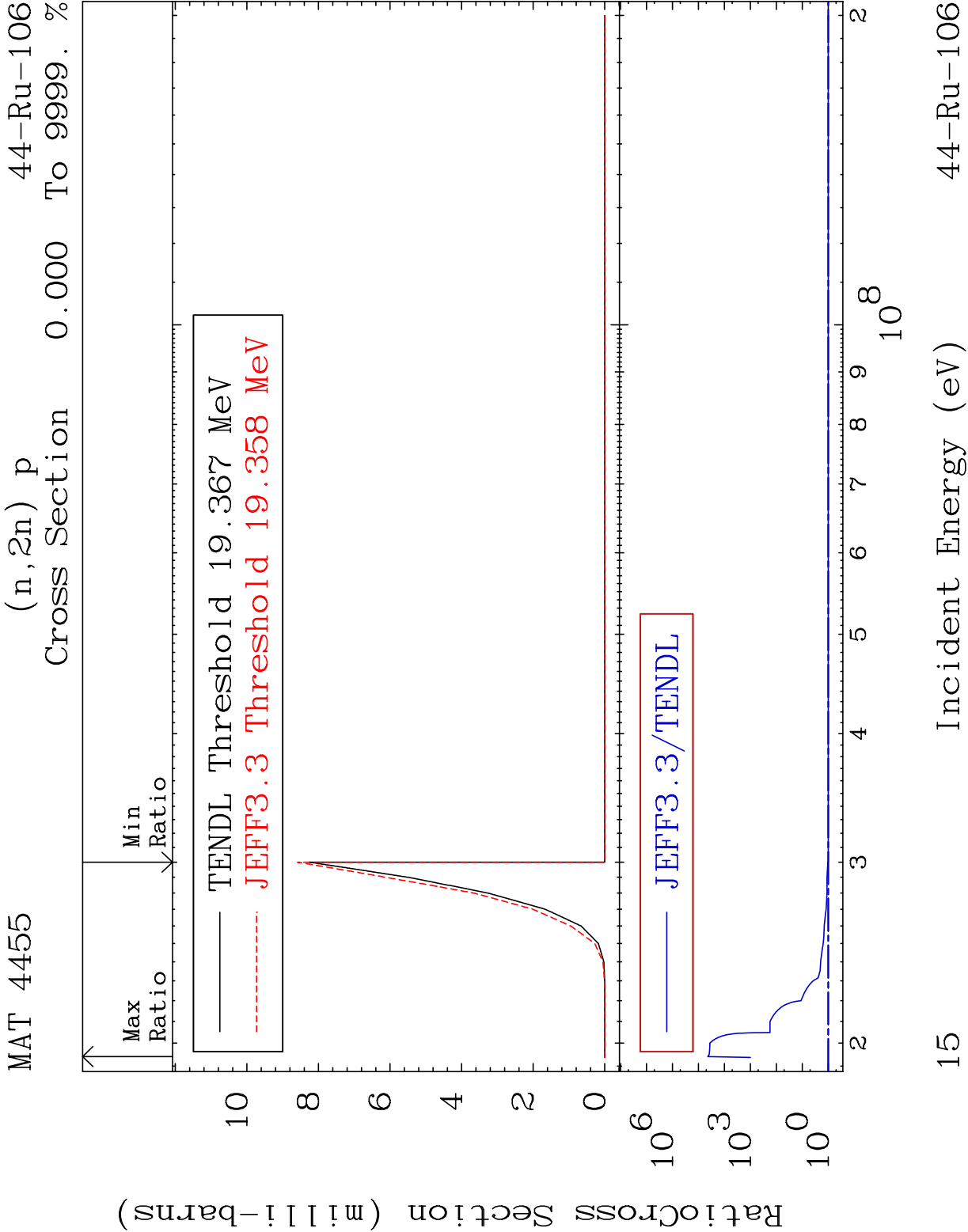
44-Ru-106

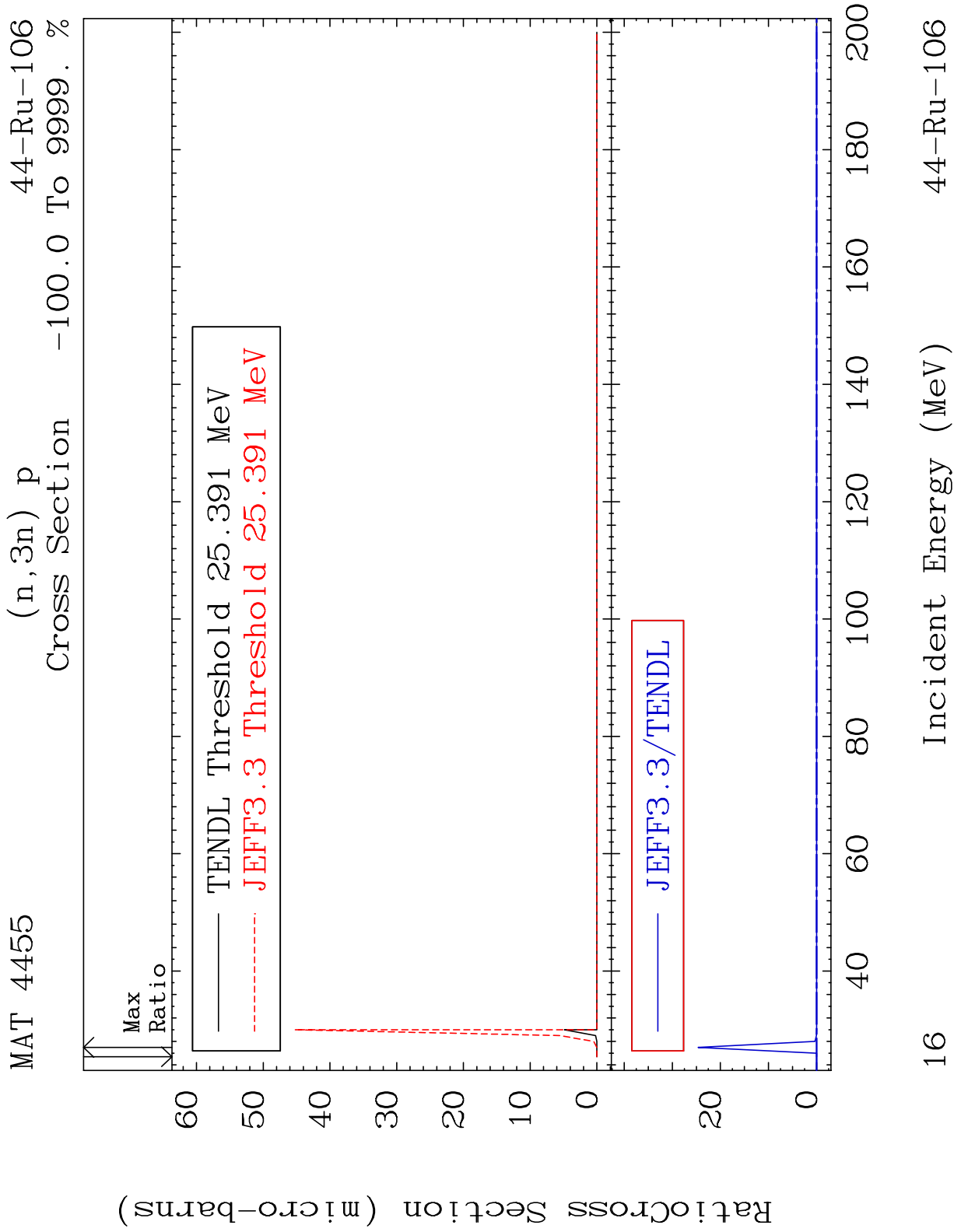
Cross Section -100.0 To 697.7 %

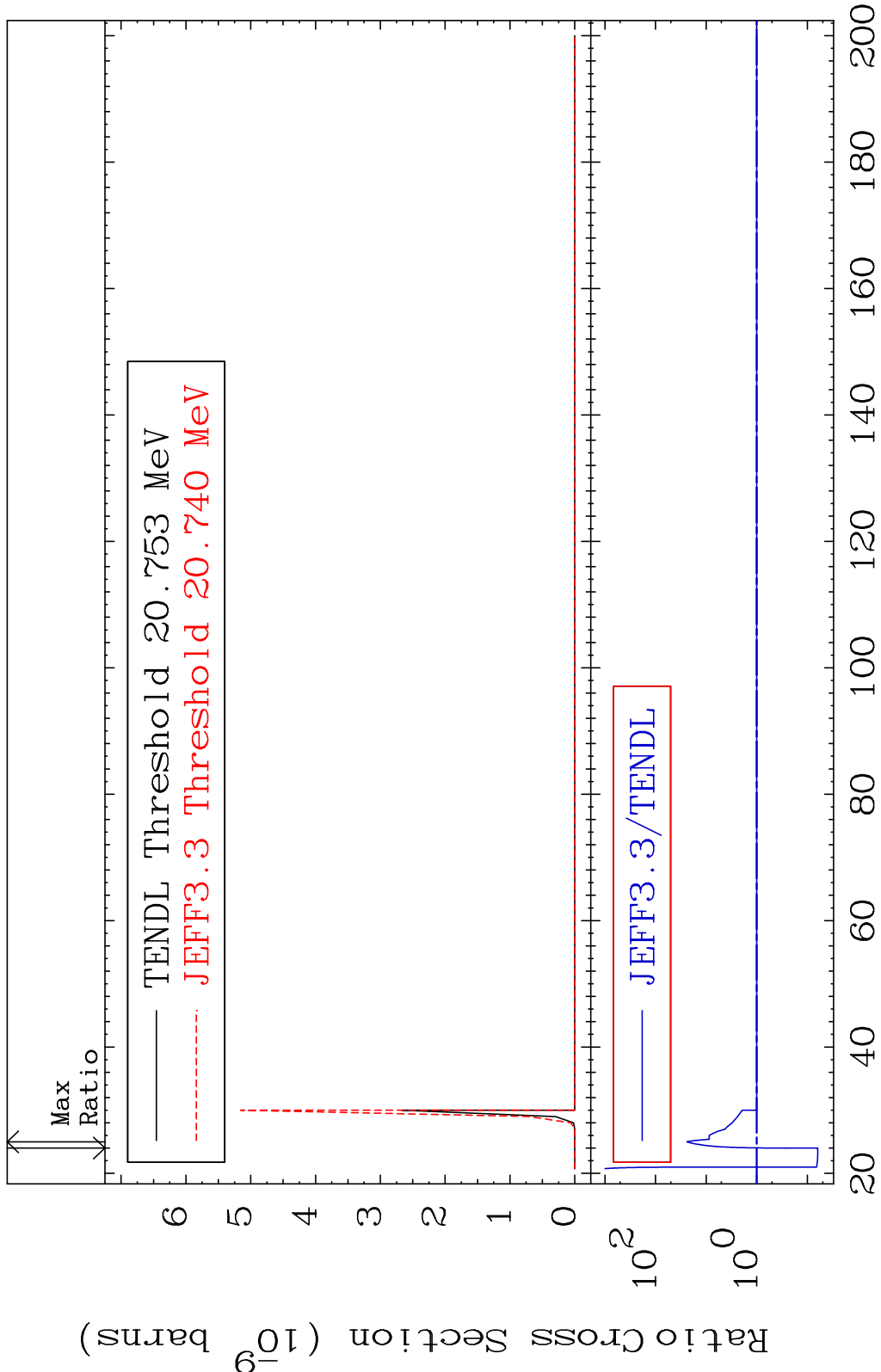




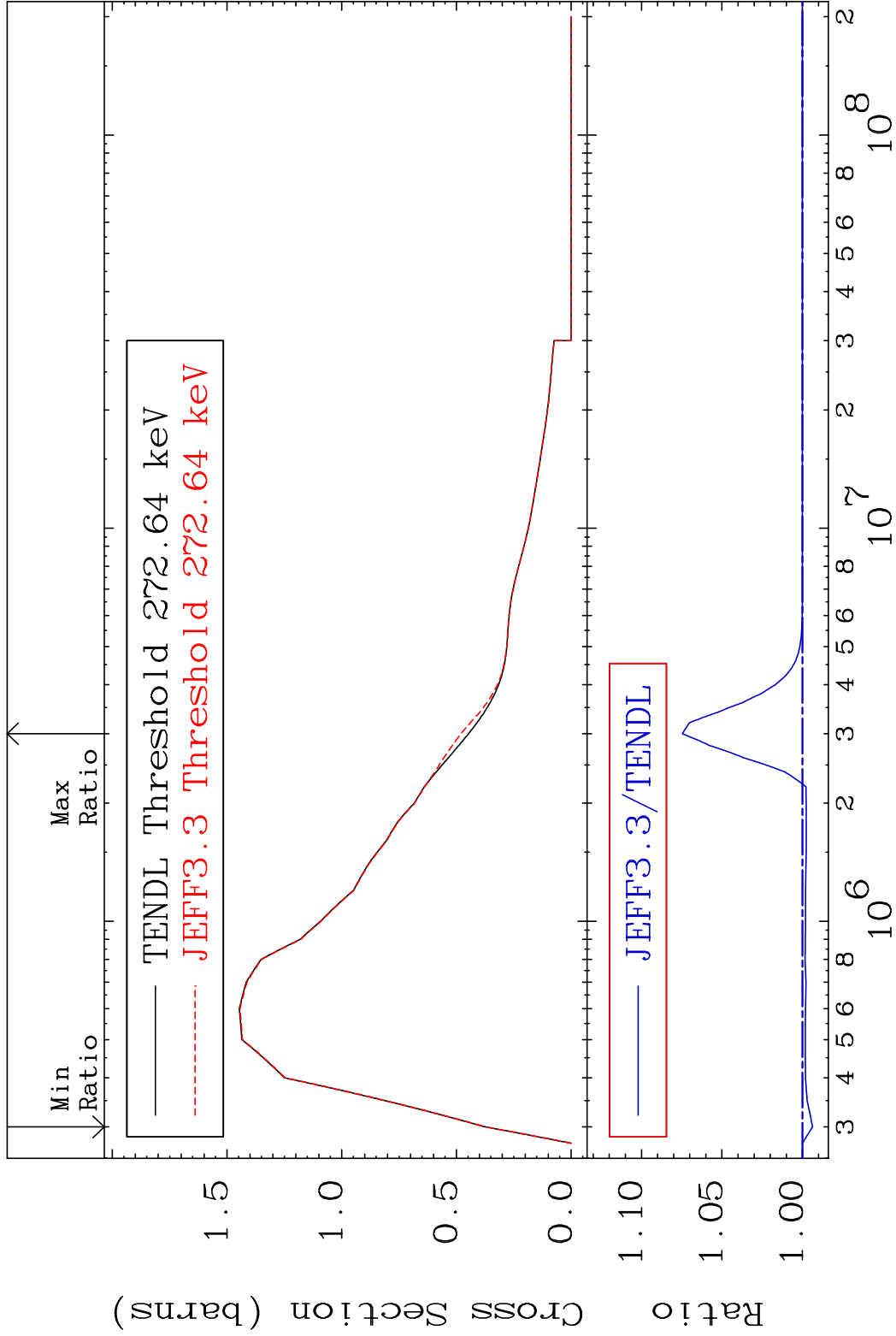


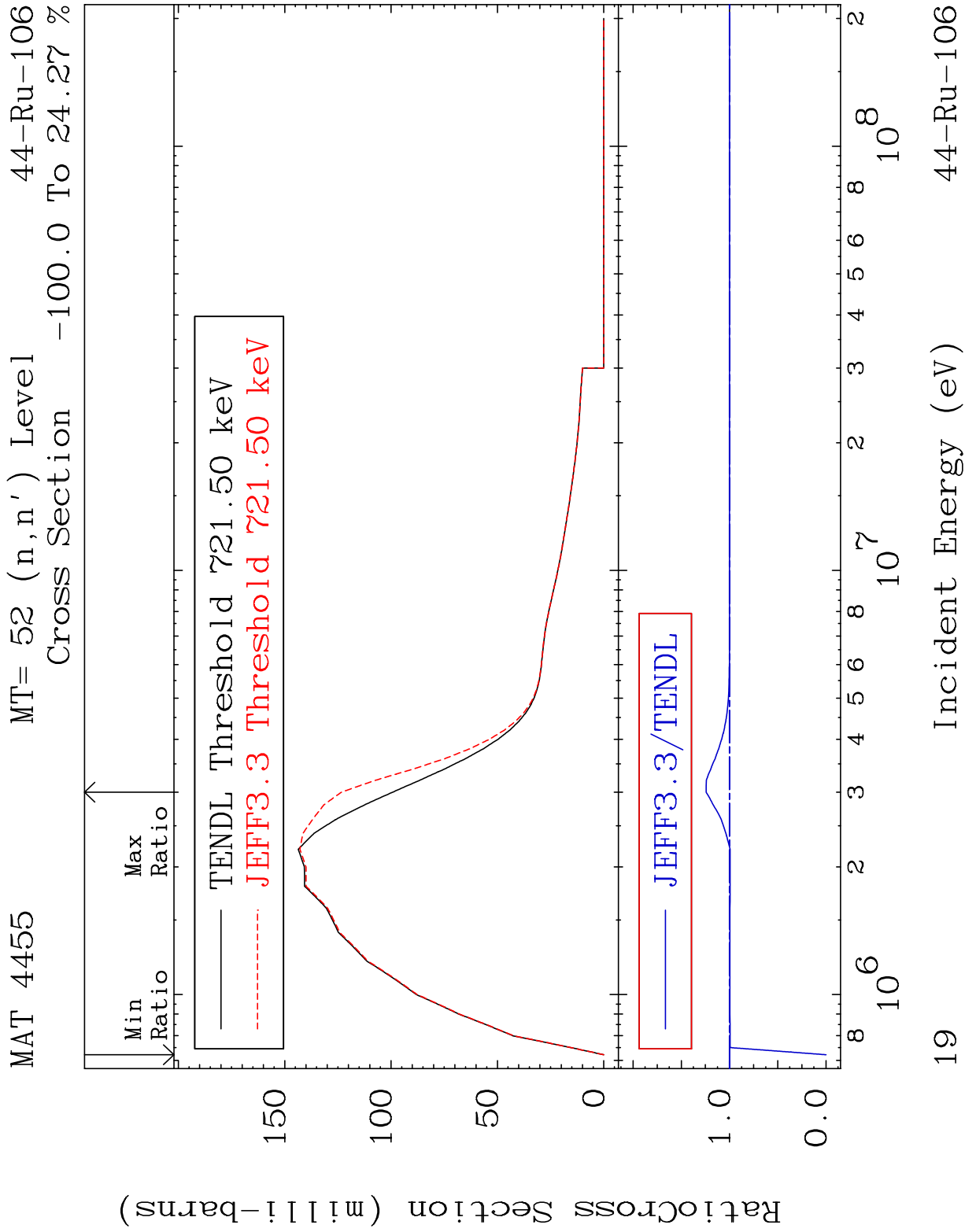




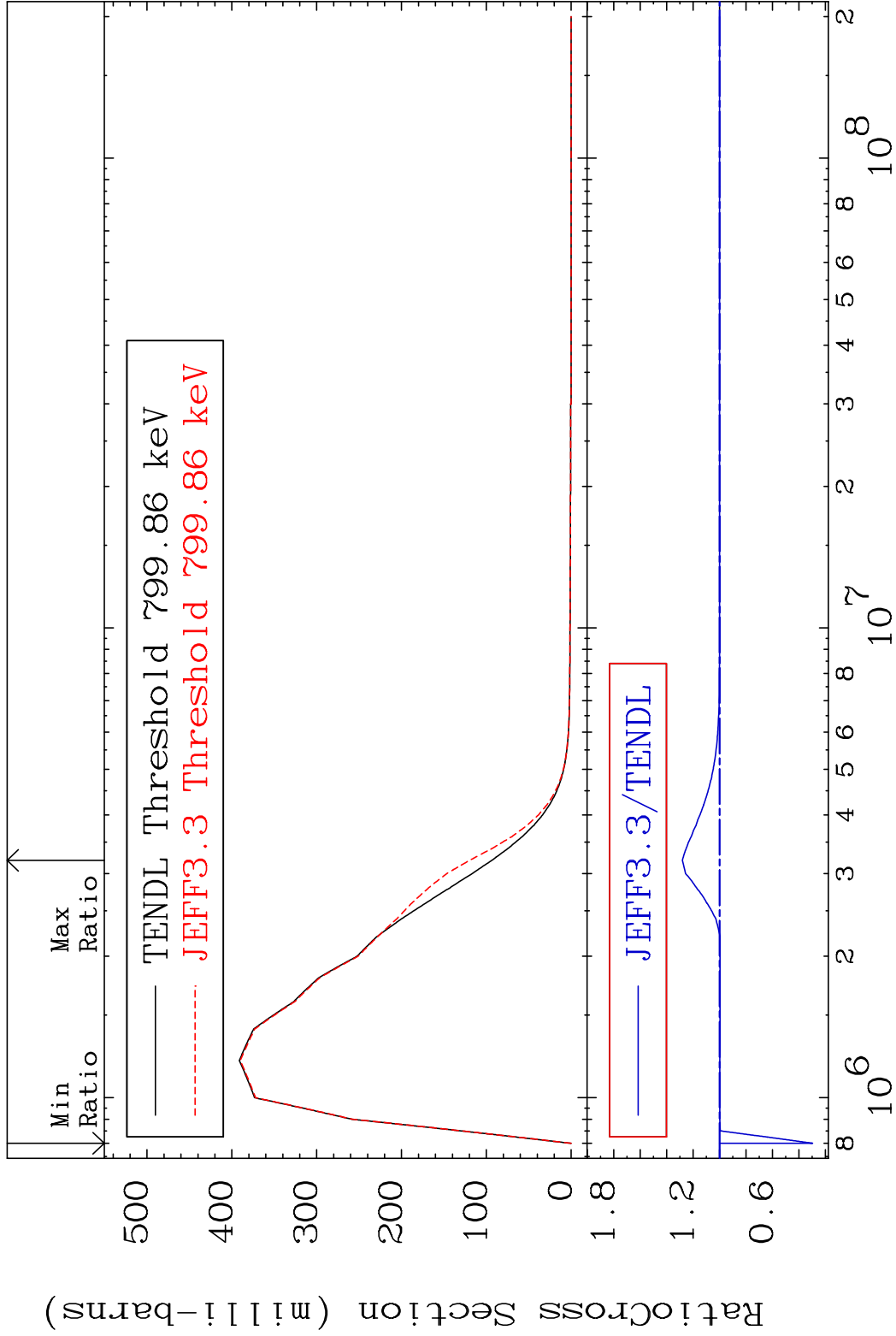


MAT 4455 MT= 51 (n,n') Level 44-Ru-106
Cross Section -0.628 To 7.460 %

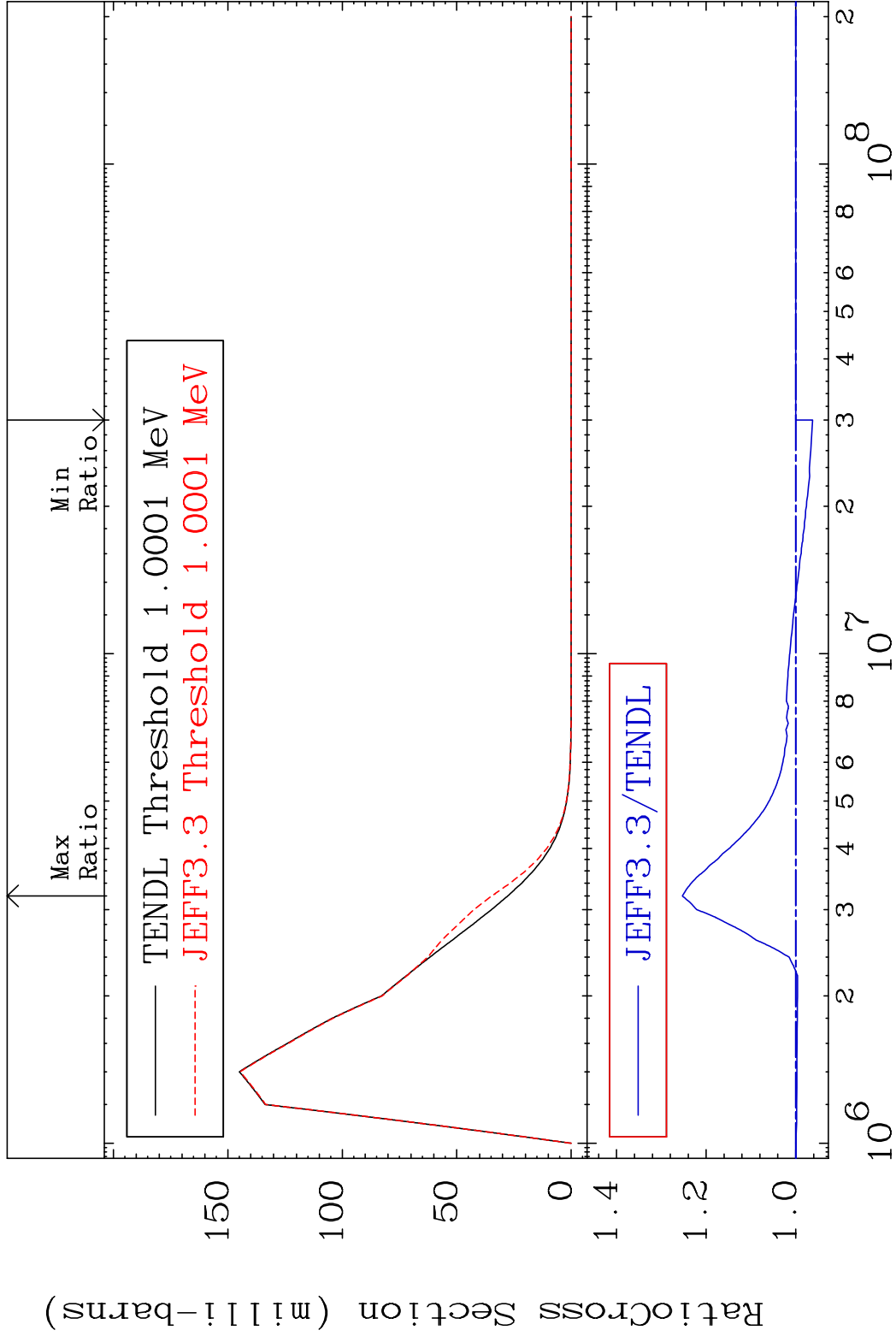




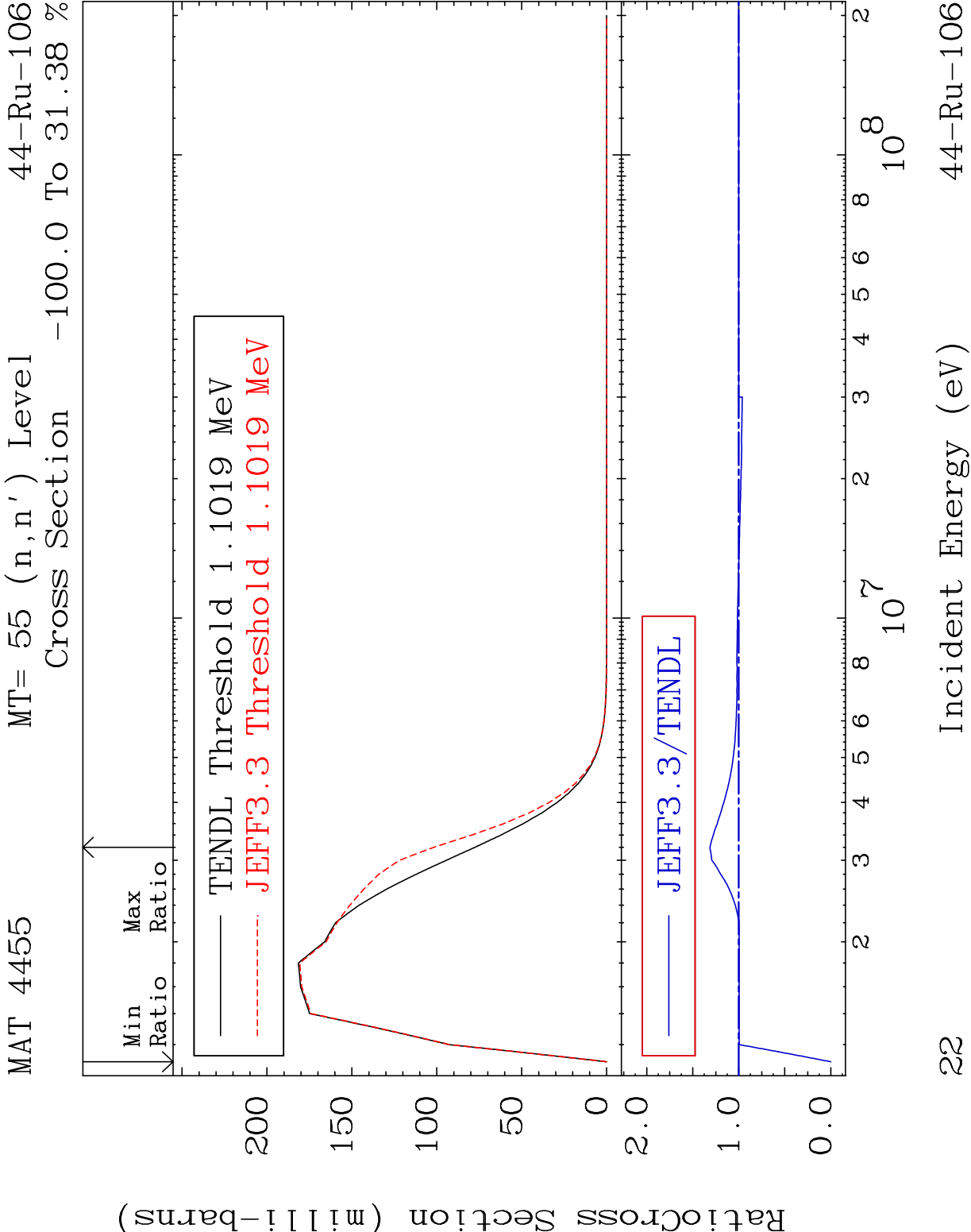
MAT 4455 MT= 53 (n,n') Level 44-Ru-106
Cross Section -70.36 To 28.09 %



MAT 4455 MT= 54 (n,n') Level 44-Ru-106
Cross Section -3.758 To 25.31 %



21 Incident Energy (eV) 44-Ru-106



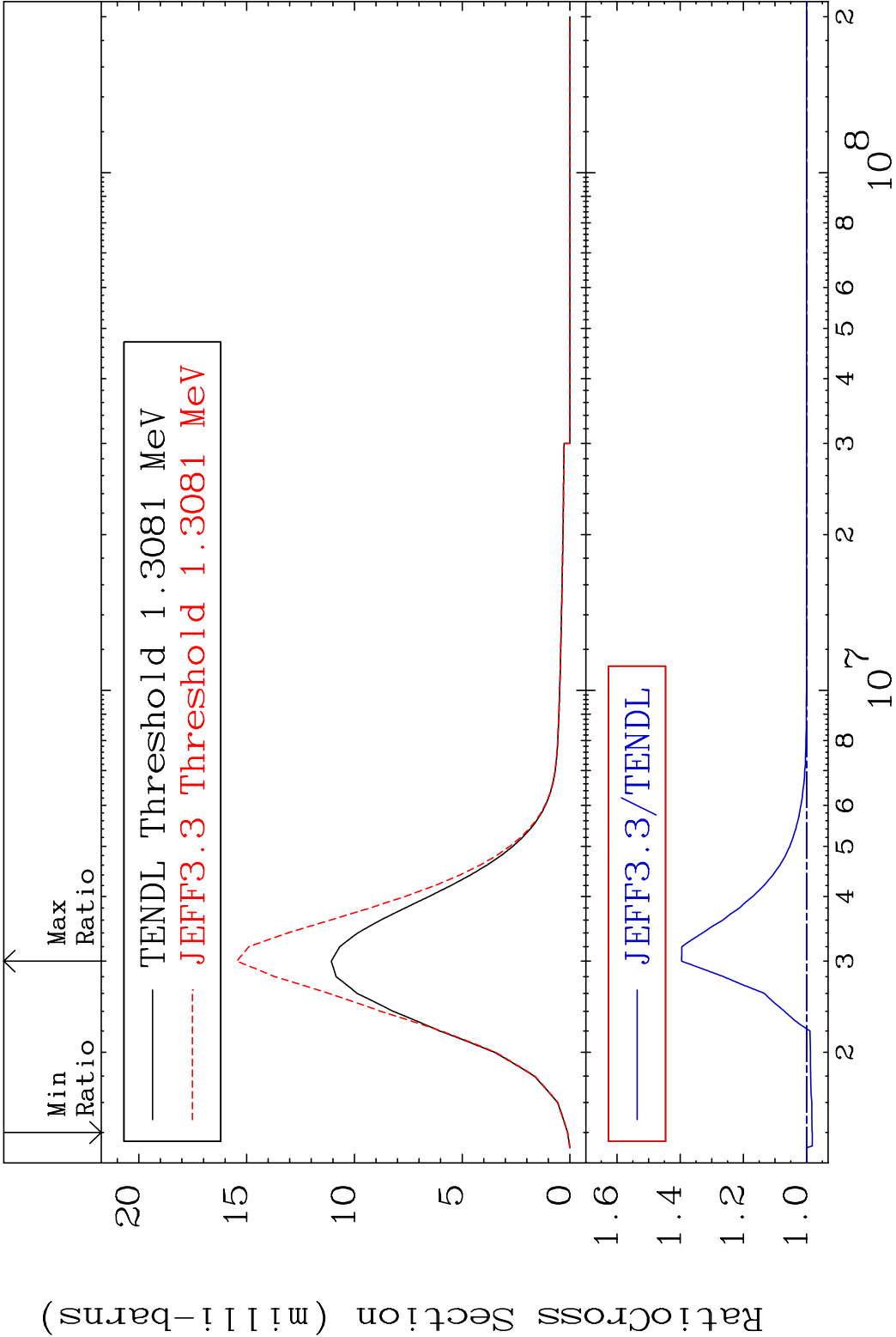
MAT 4455

MT= 56 (n,n') Level

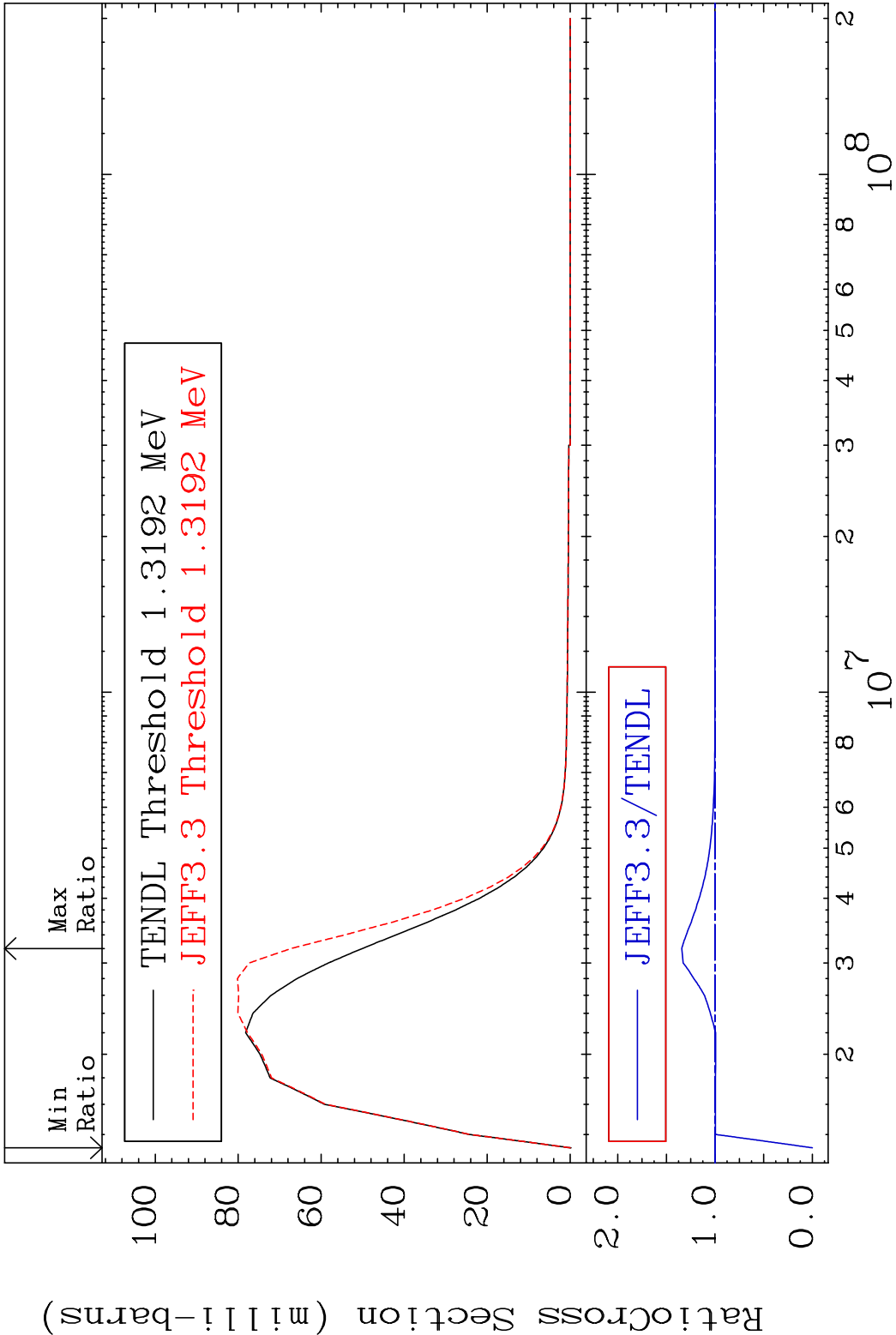
44-Ru-106

Cross Section

-1.817 To 39.57 %



MAT 4455 MT= 57 (n,n') Level 44-Ru-106
 Cross Section -100.0 To 34.18 %



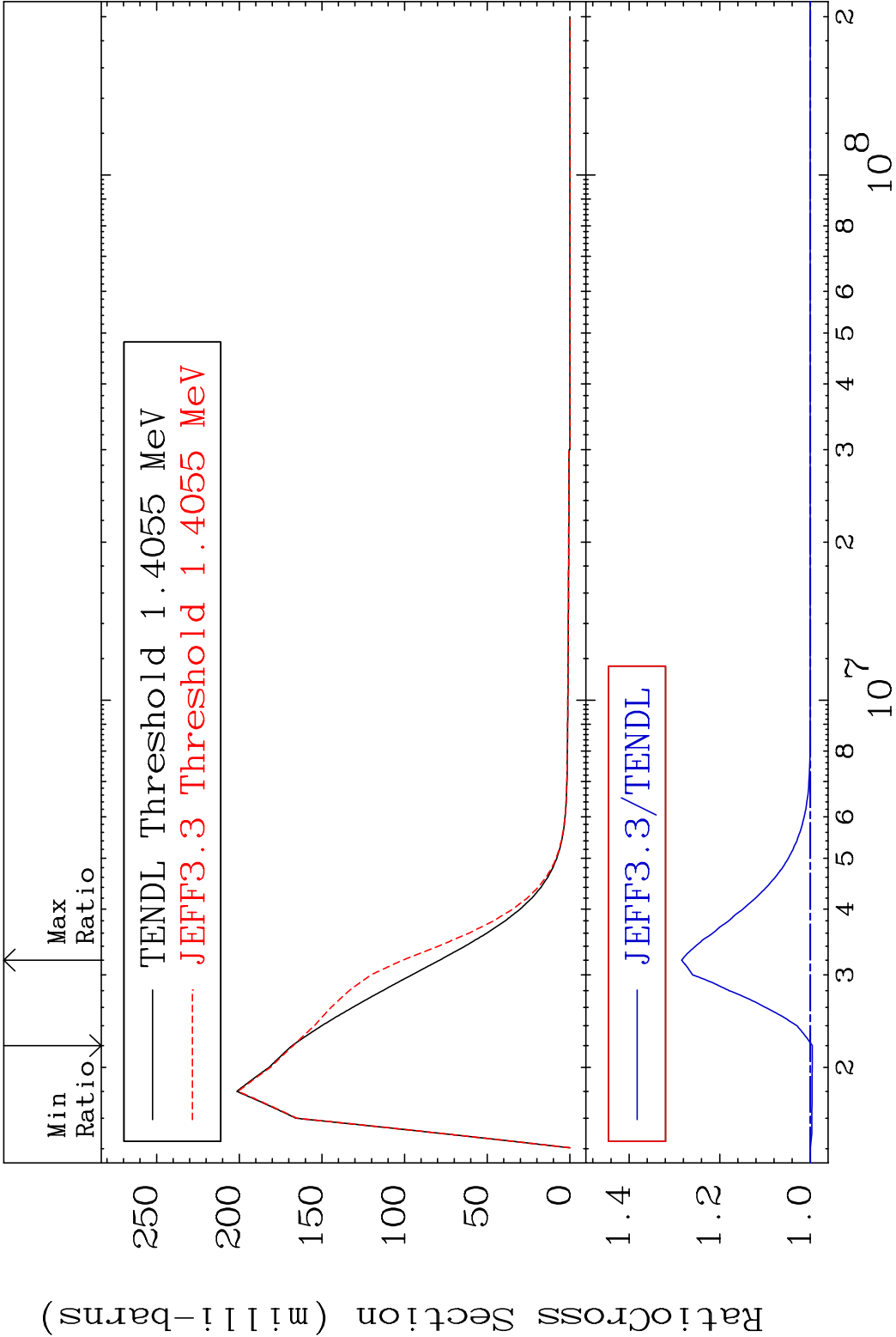
MAT 4455

MT= 58 (n,n') Level

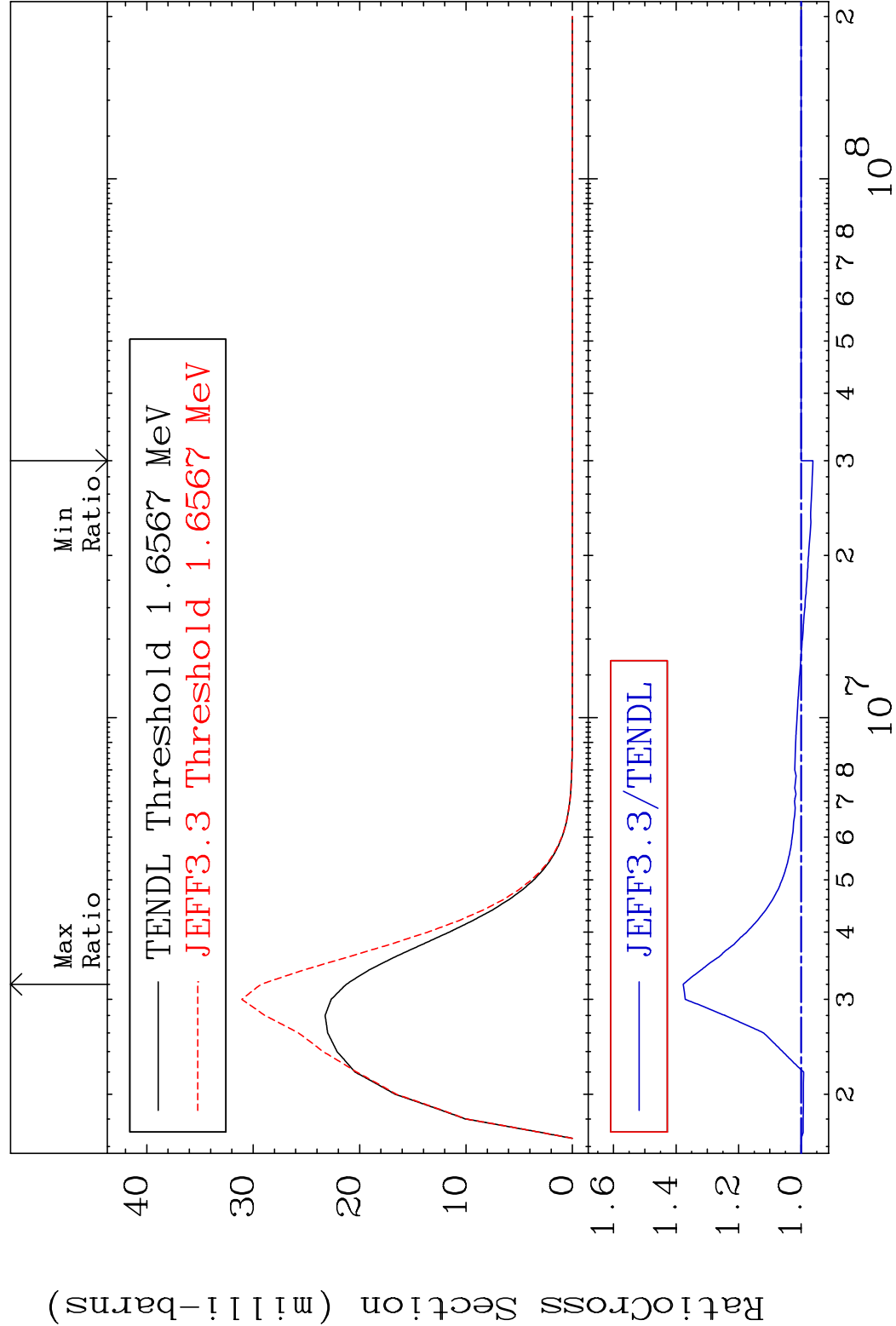
44-Ru-106

Cross Section

-0.423 To 28.42 %



MAT 4455	MT= 59 (n,n')	Level	44-Ru-106
	Cross Section	-3.761 To 37.72 %	



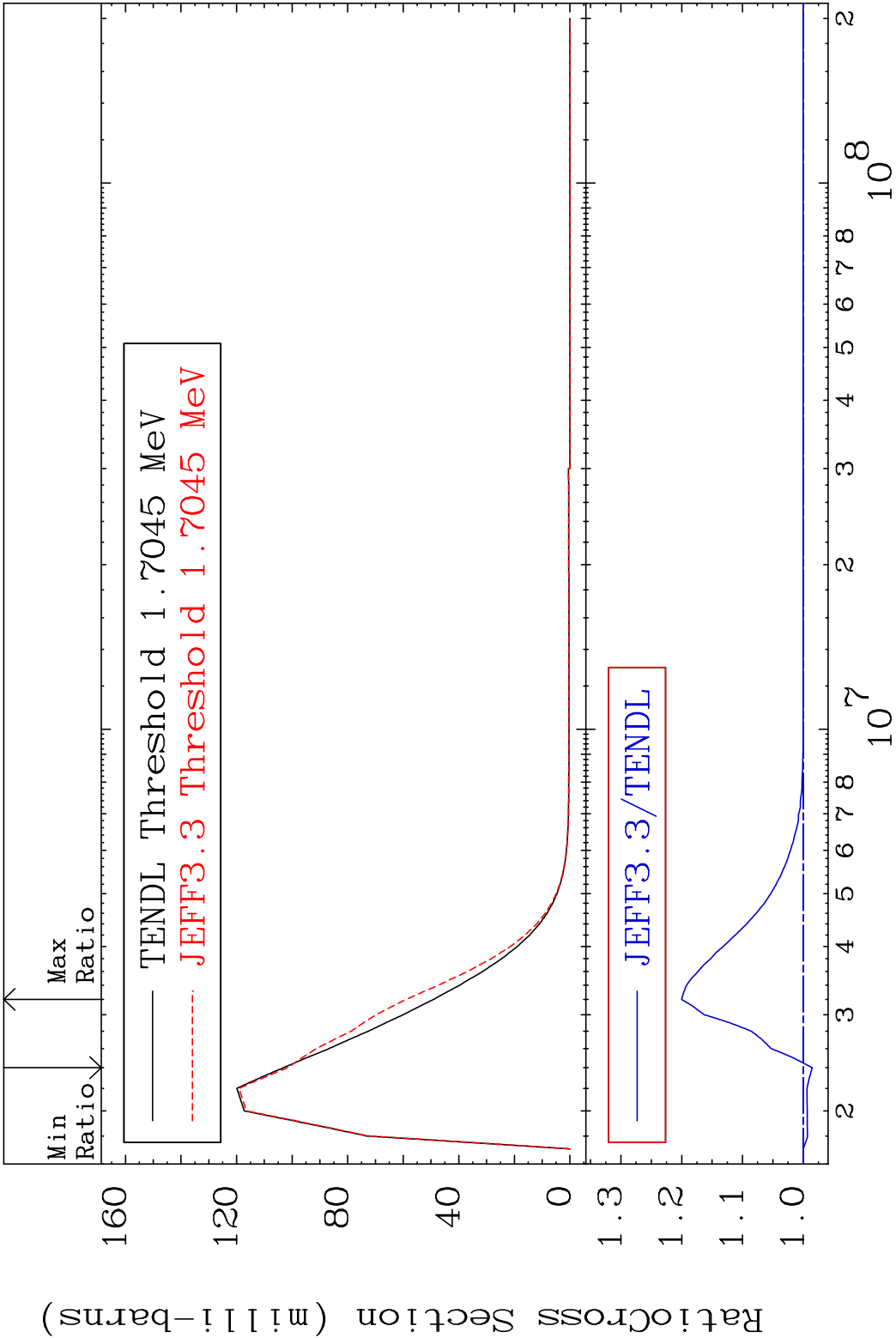
MAT 4455

MT= 60 (n,n') Level

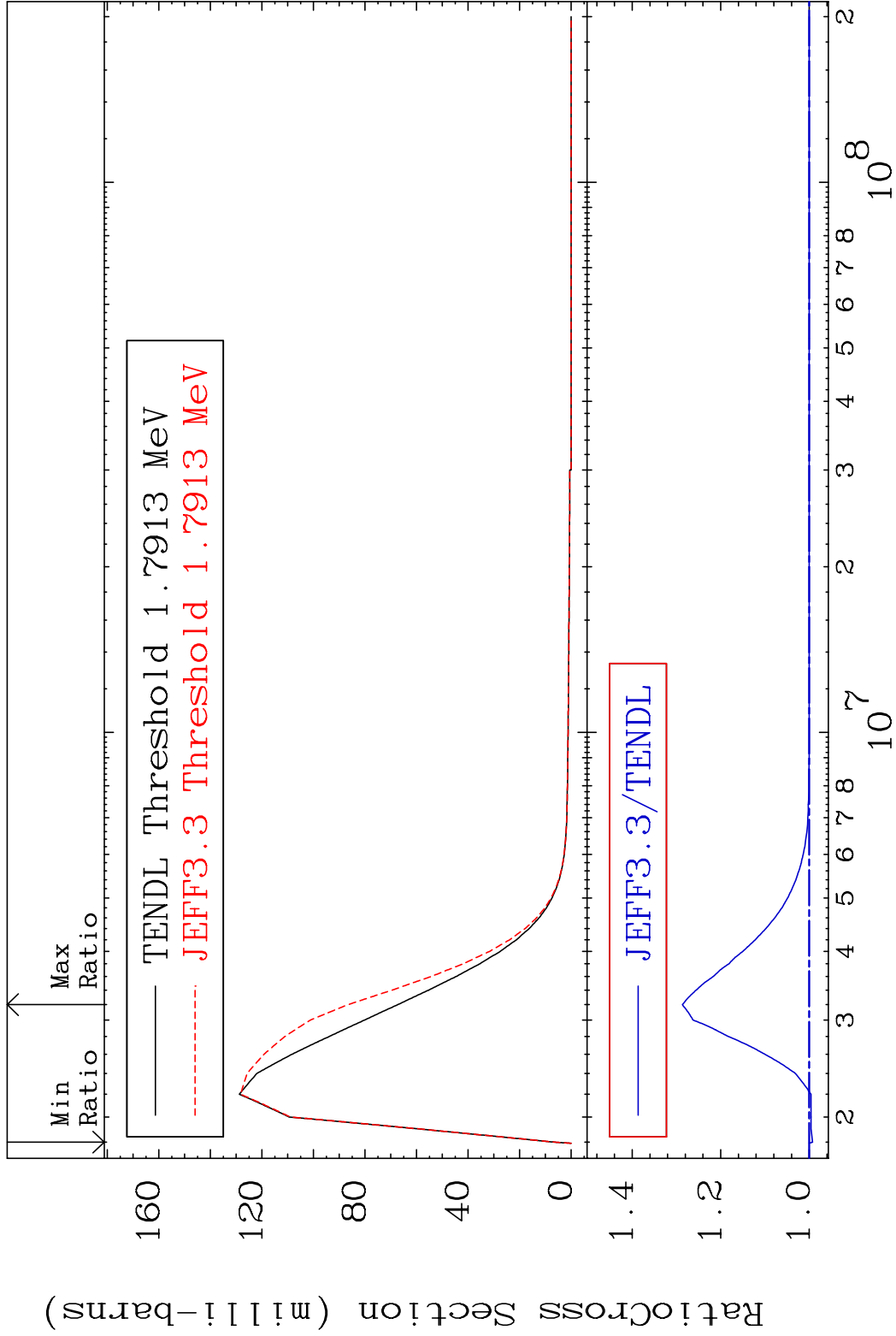
44-Ru-106

Cross Section

-1.480 To 20.03 %



MAT 4455 MT= 61 (n,n') Level 44-Ru-106
Cross Section -0.749 To 28.67 %



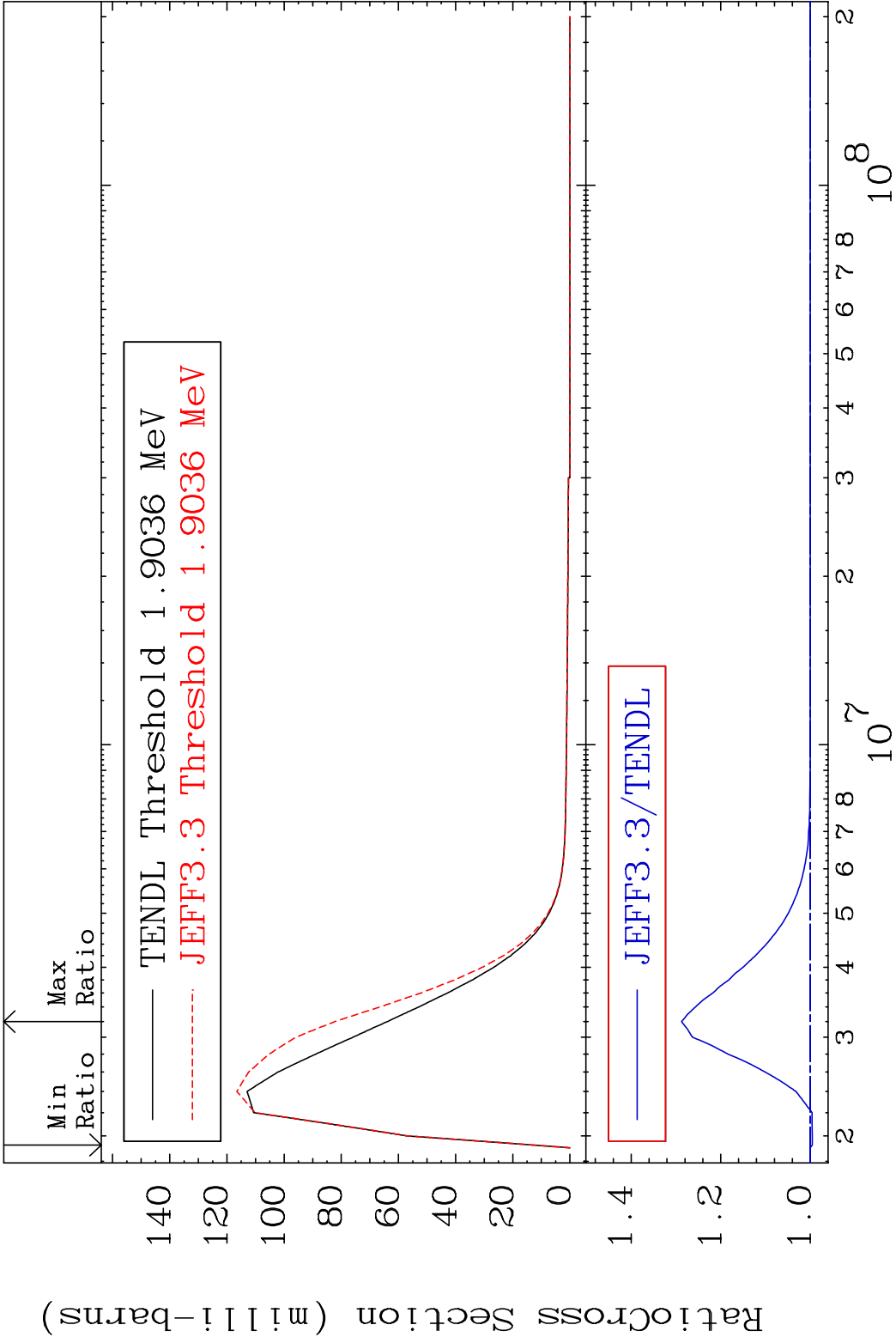
MAT 4455

MT= 62 (n,n') Level

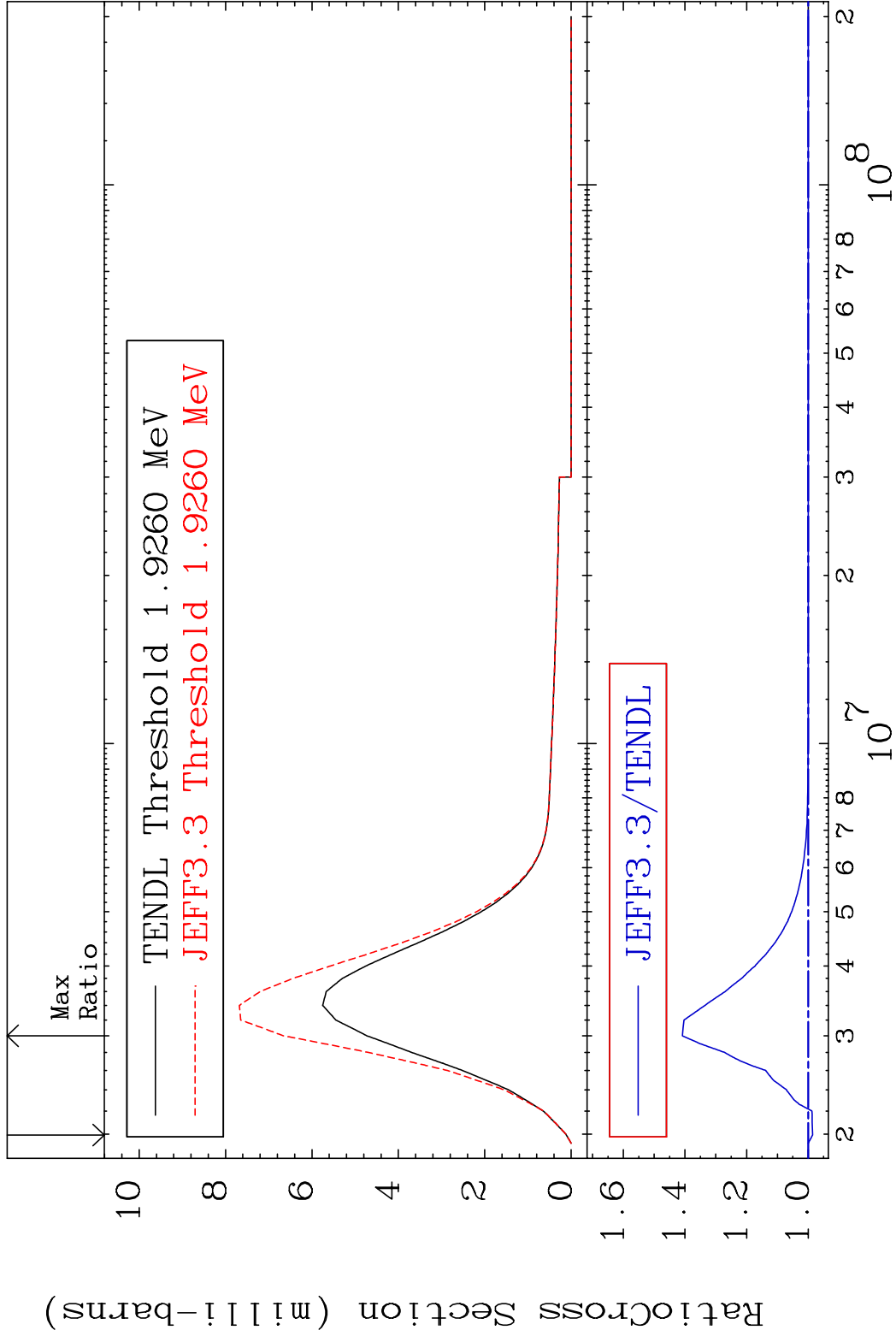
44-Ru-106

Cross Section

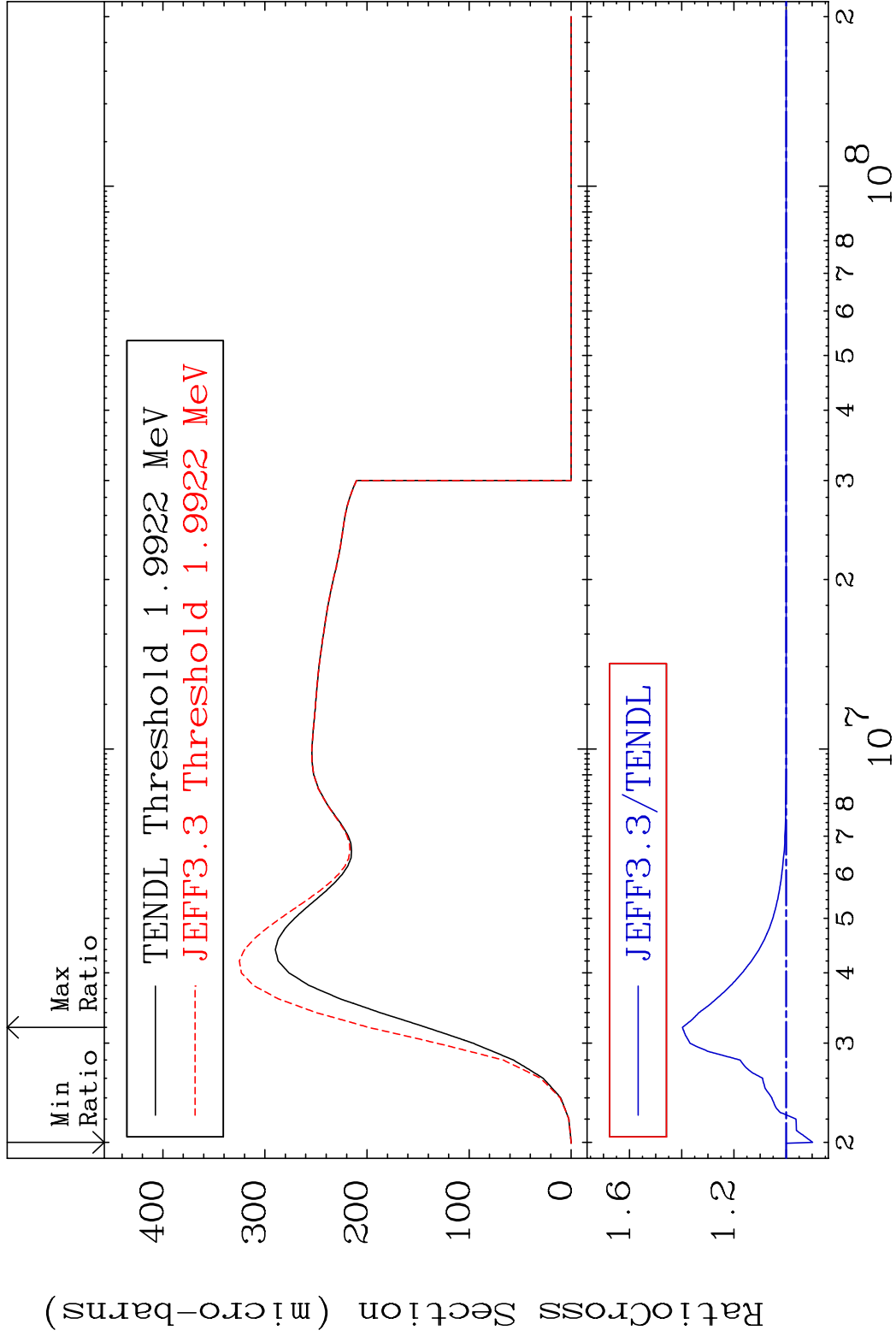
-0.439 To 28.75 %



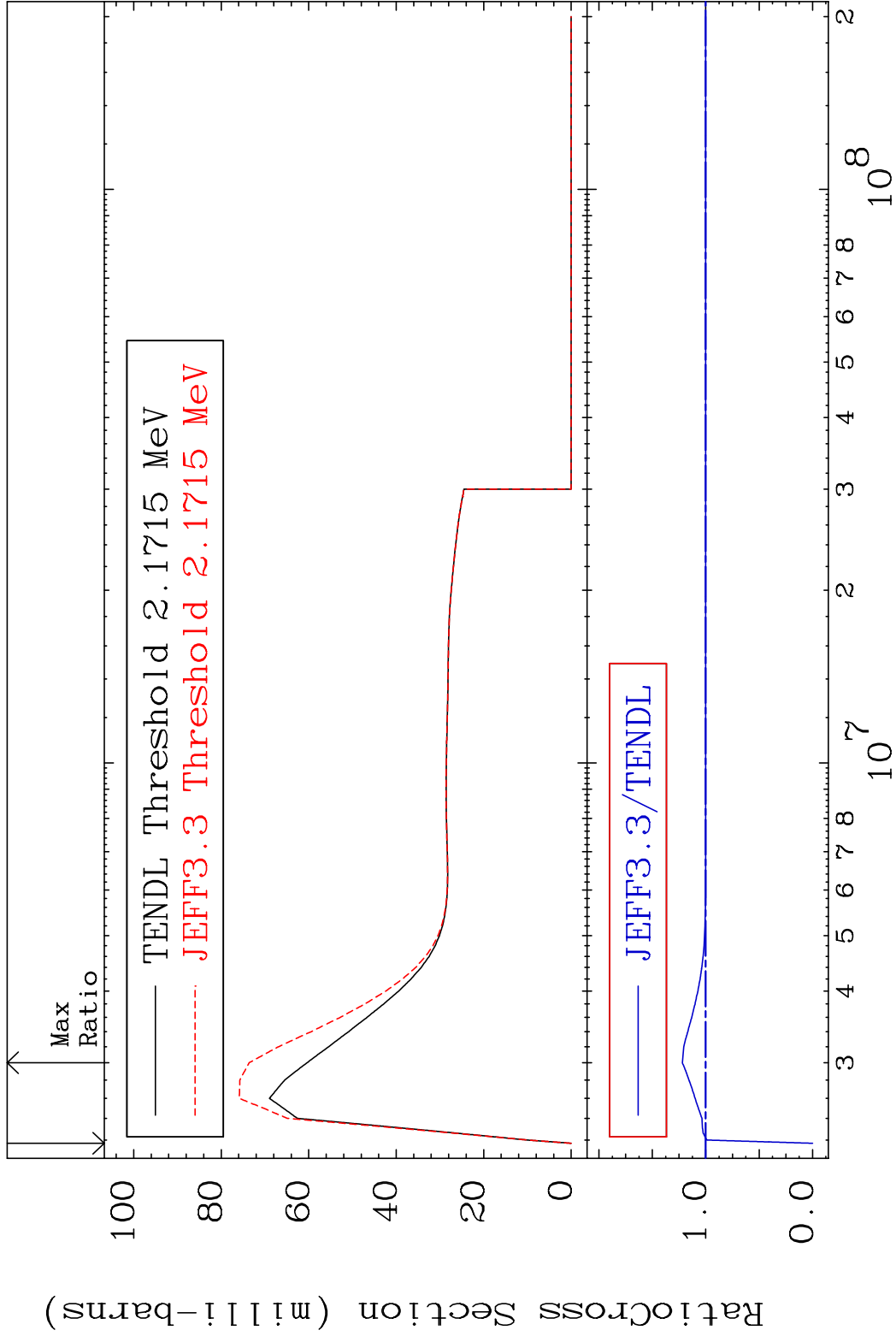
MAT 4455 MT= 63 (n,n') Level 44-Ru-106
Cross Section -1.410 To 40.86 %

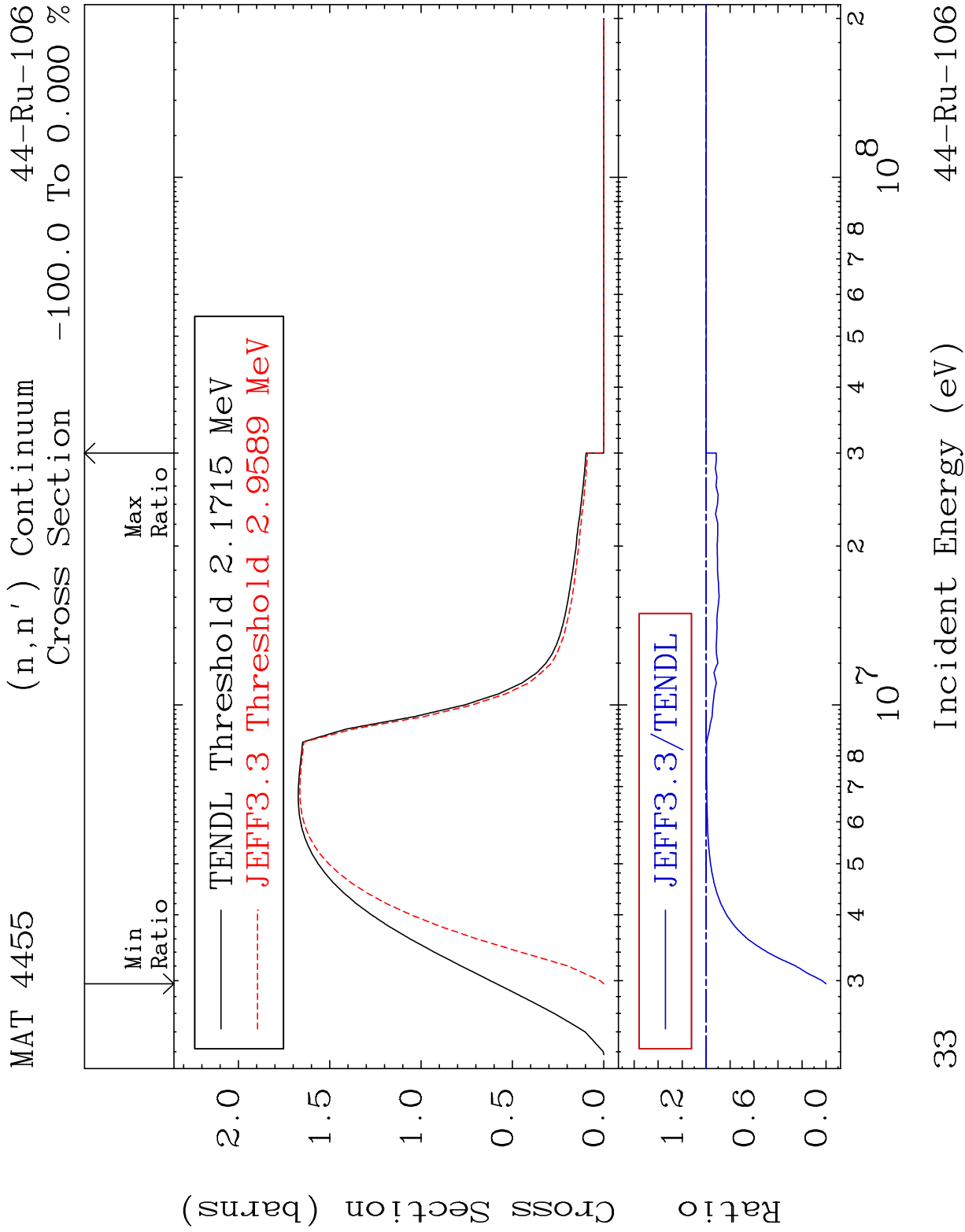


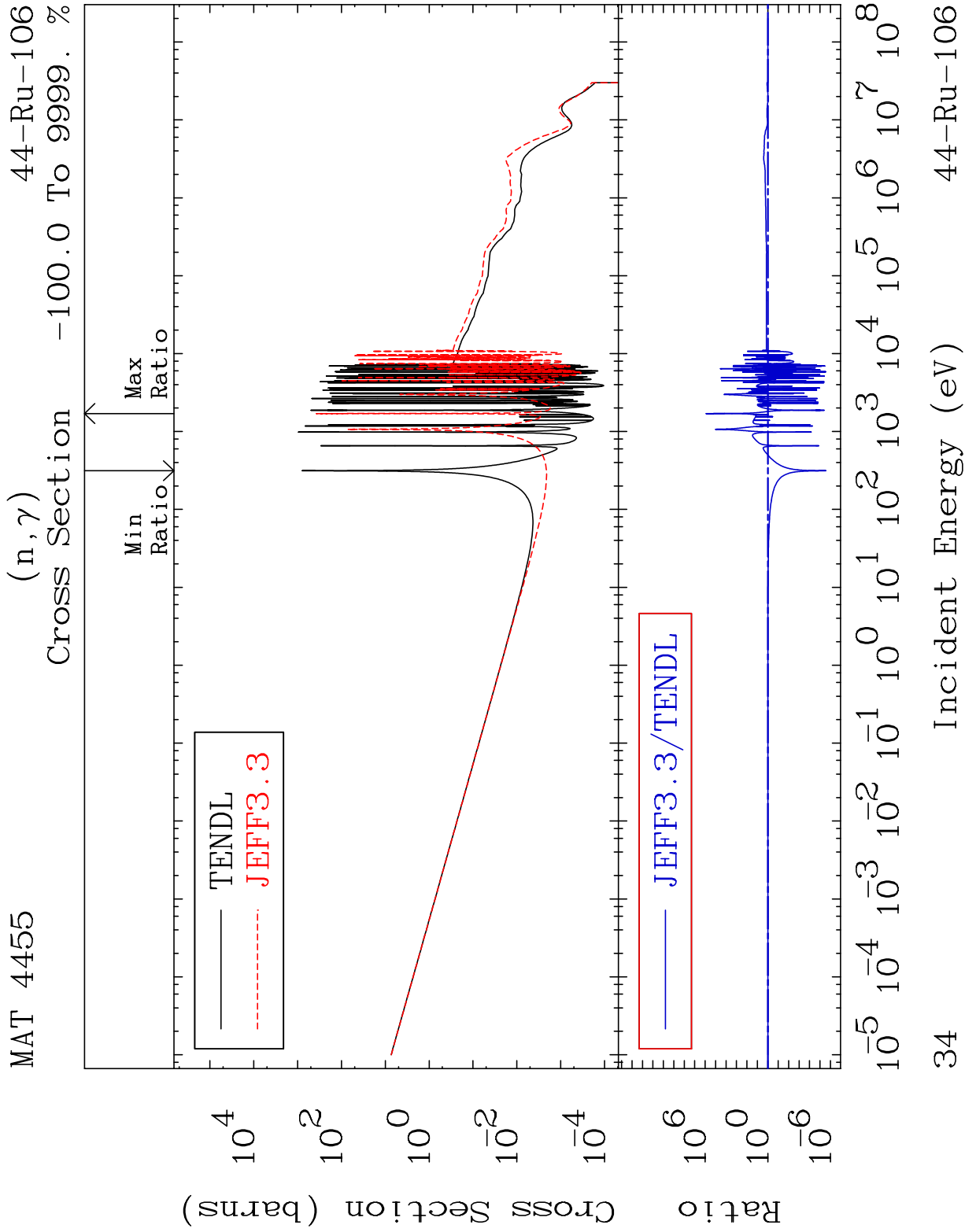
MAT 4455 MT= 64 (n,n') Level 44-Ru-106
Cross Section -10.12 To 39.76 %

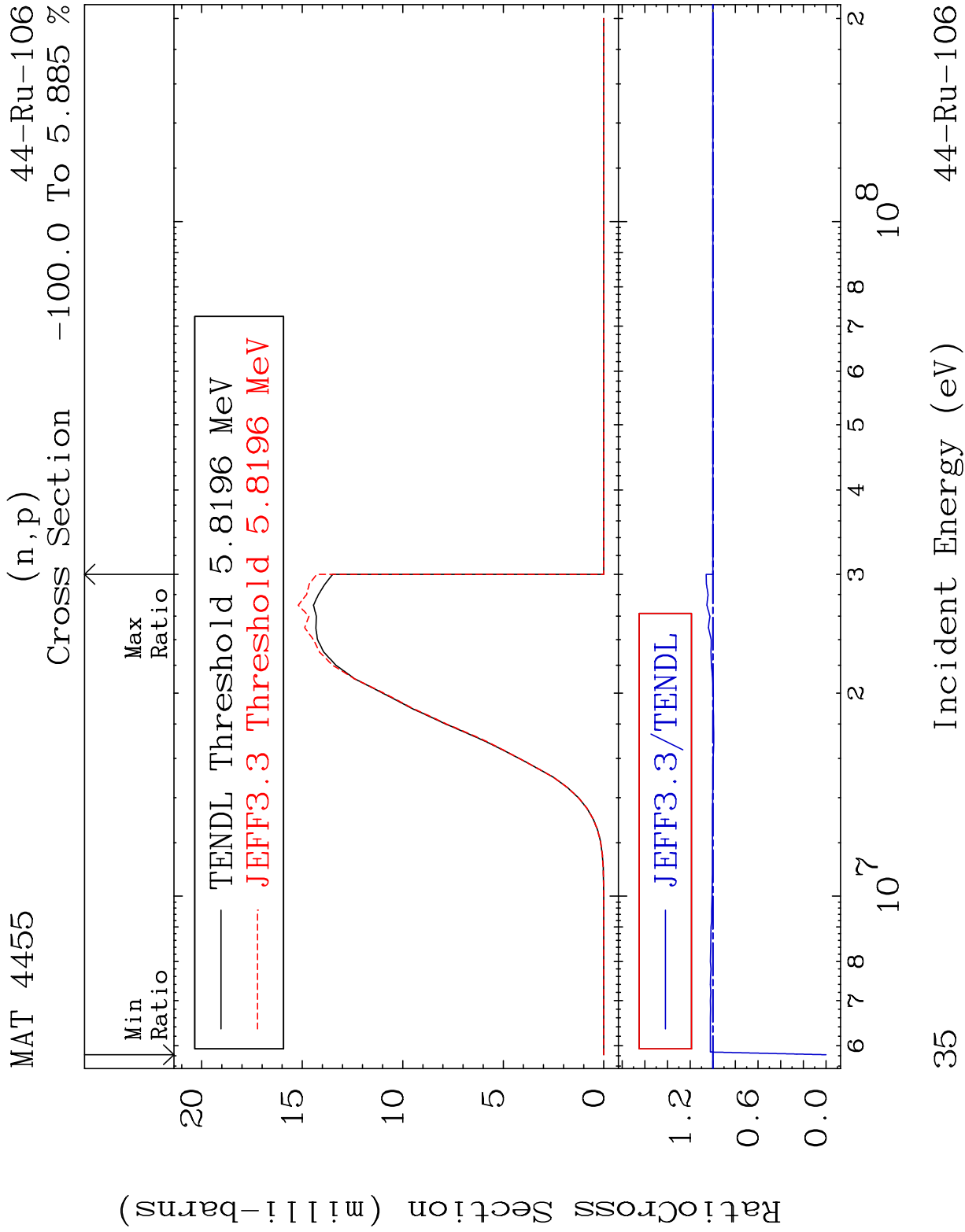


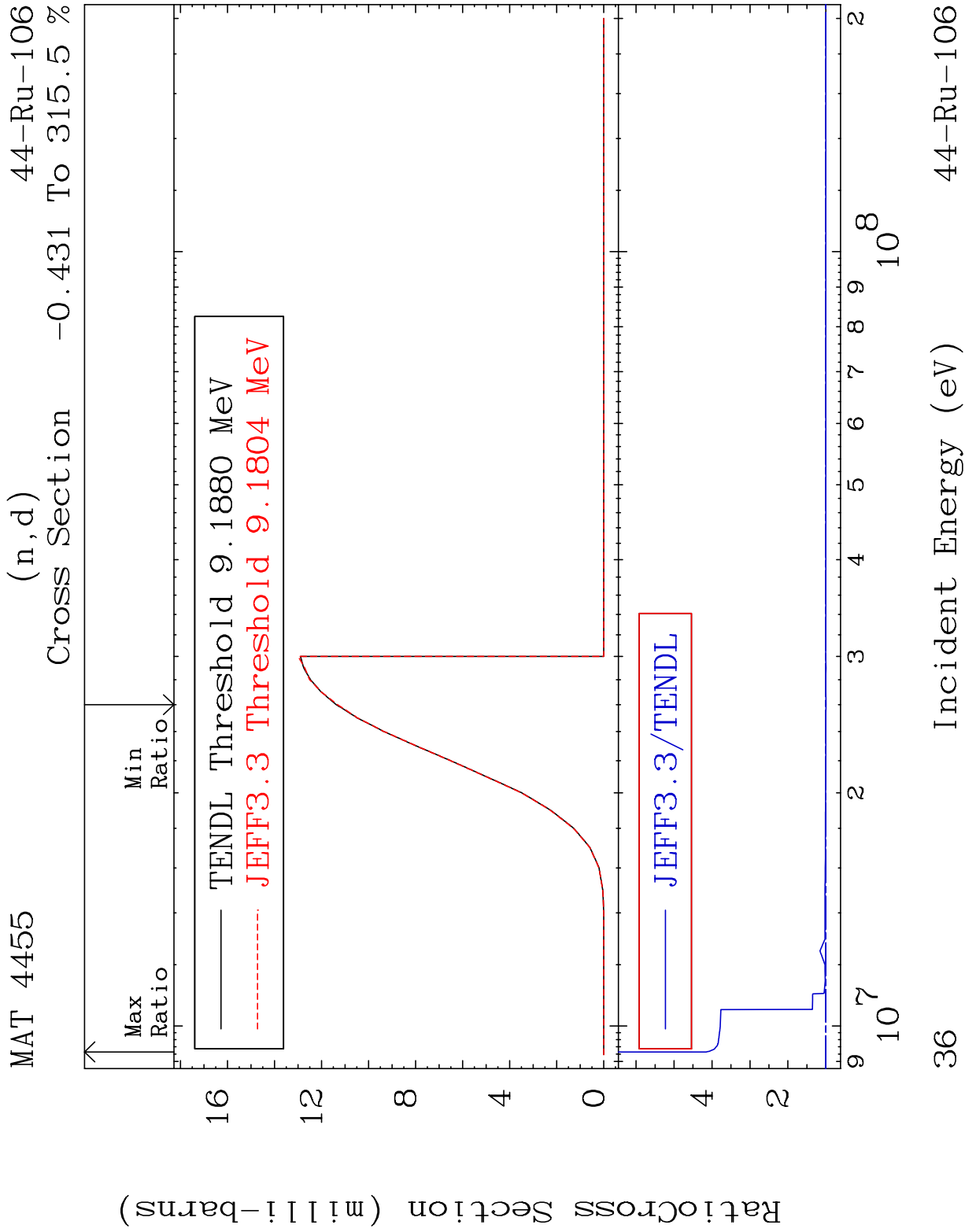
MAT 4455 MT= 65 (n,n') Level 44-Ru-106
Cross Section -100.0 To 21.90 %

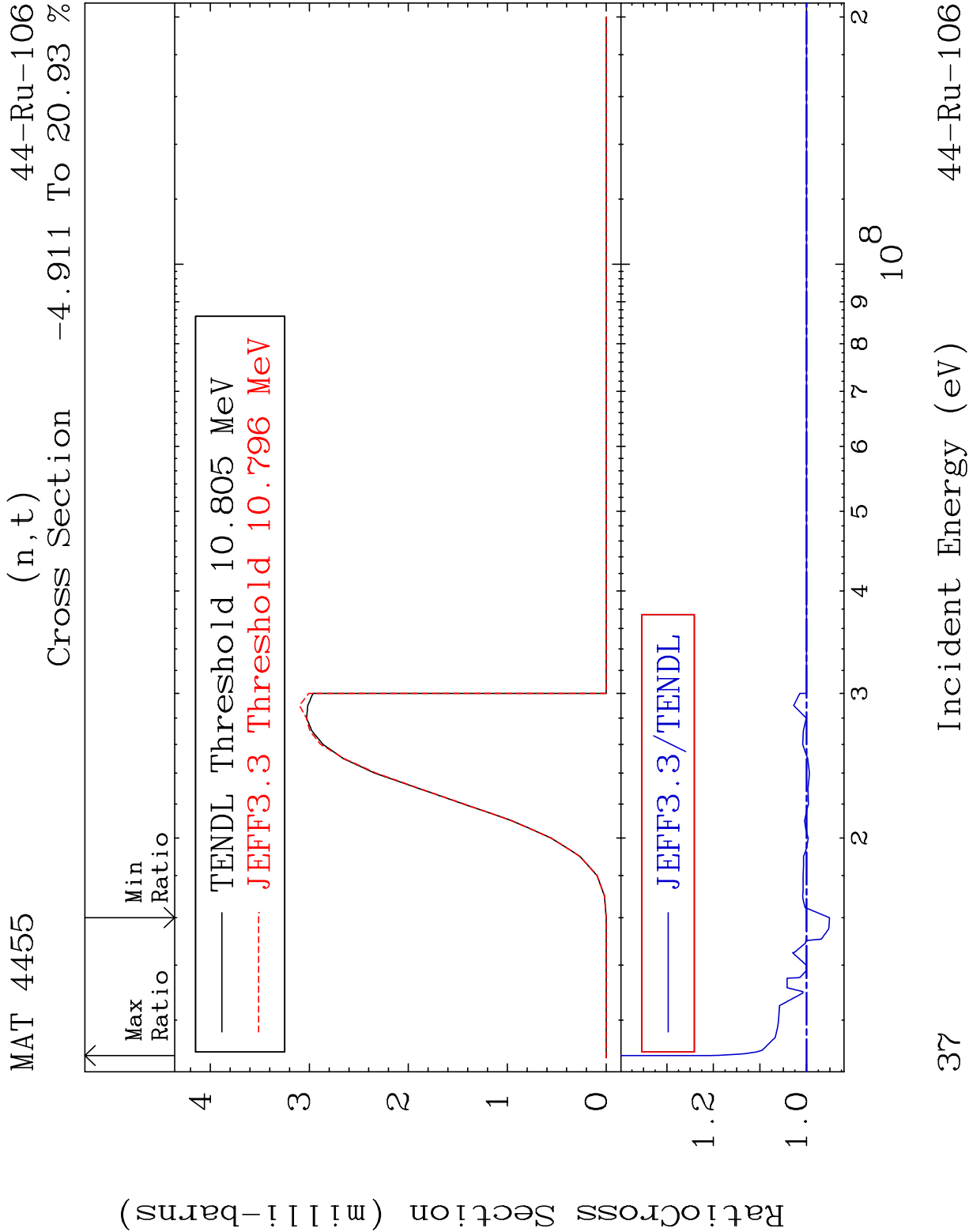


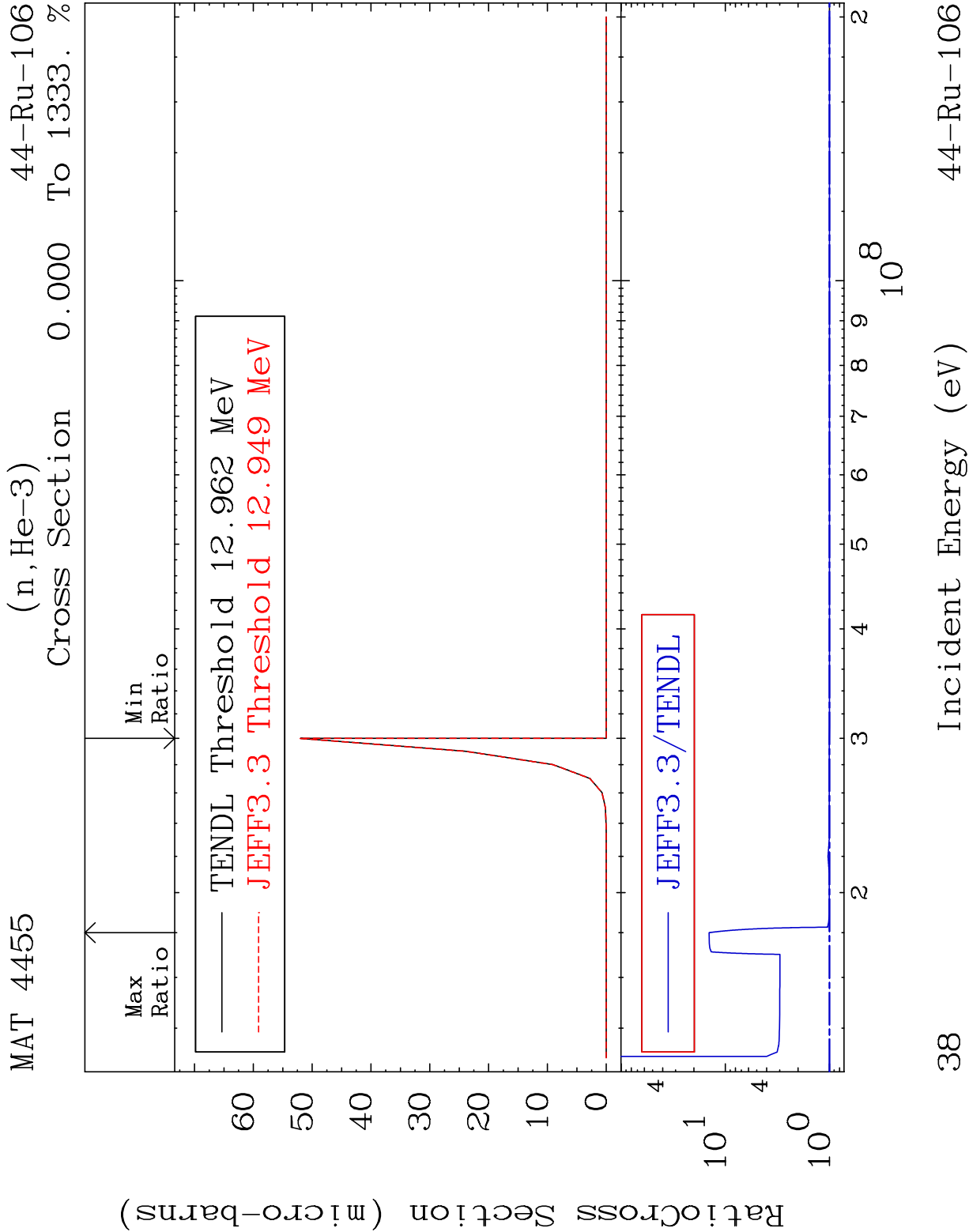


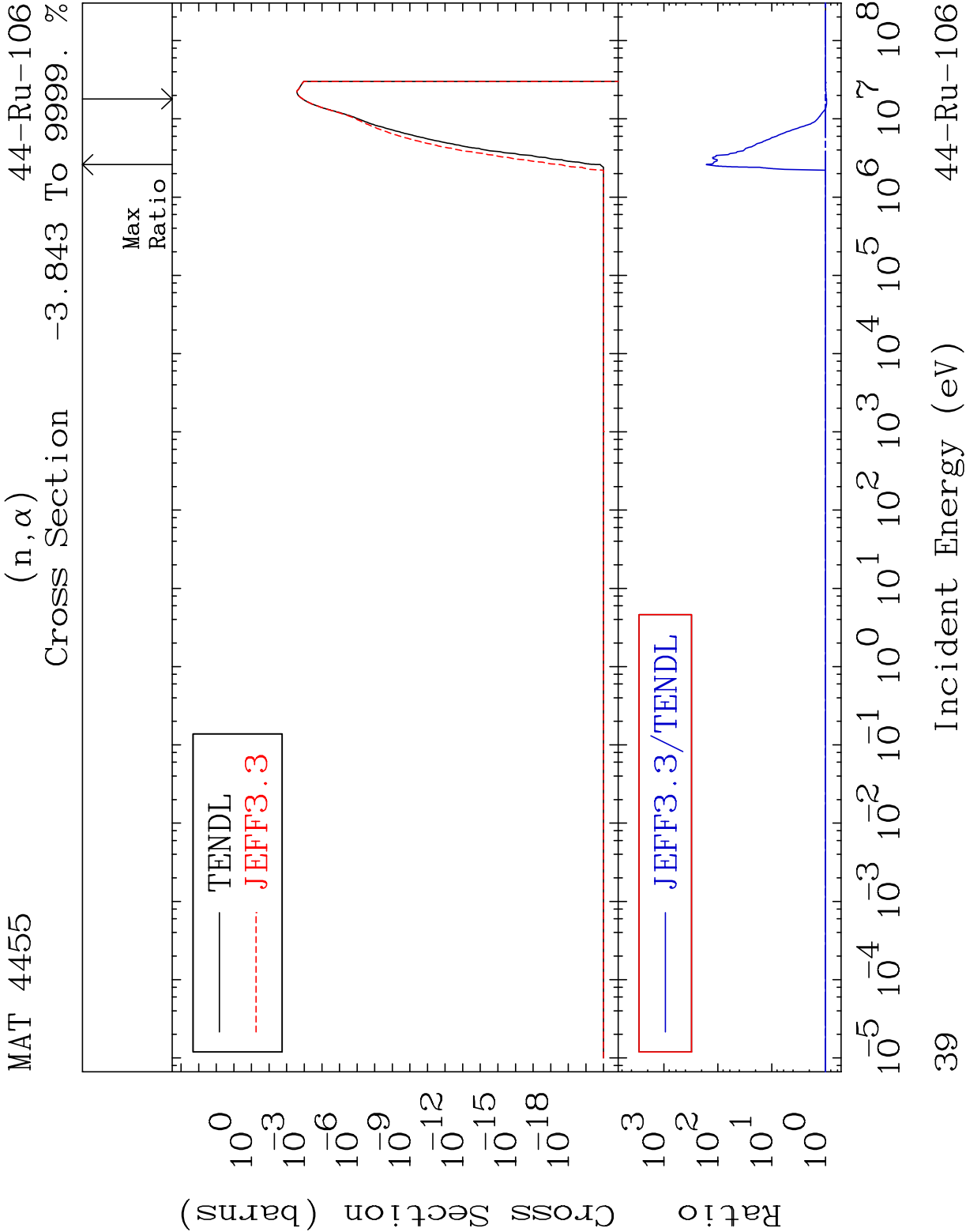


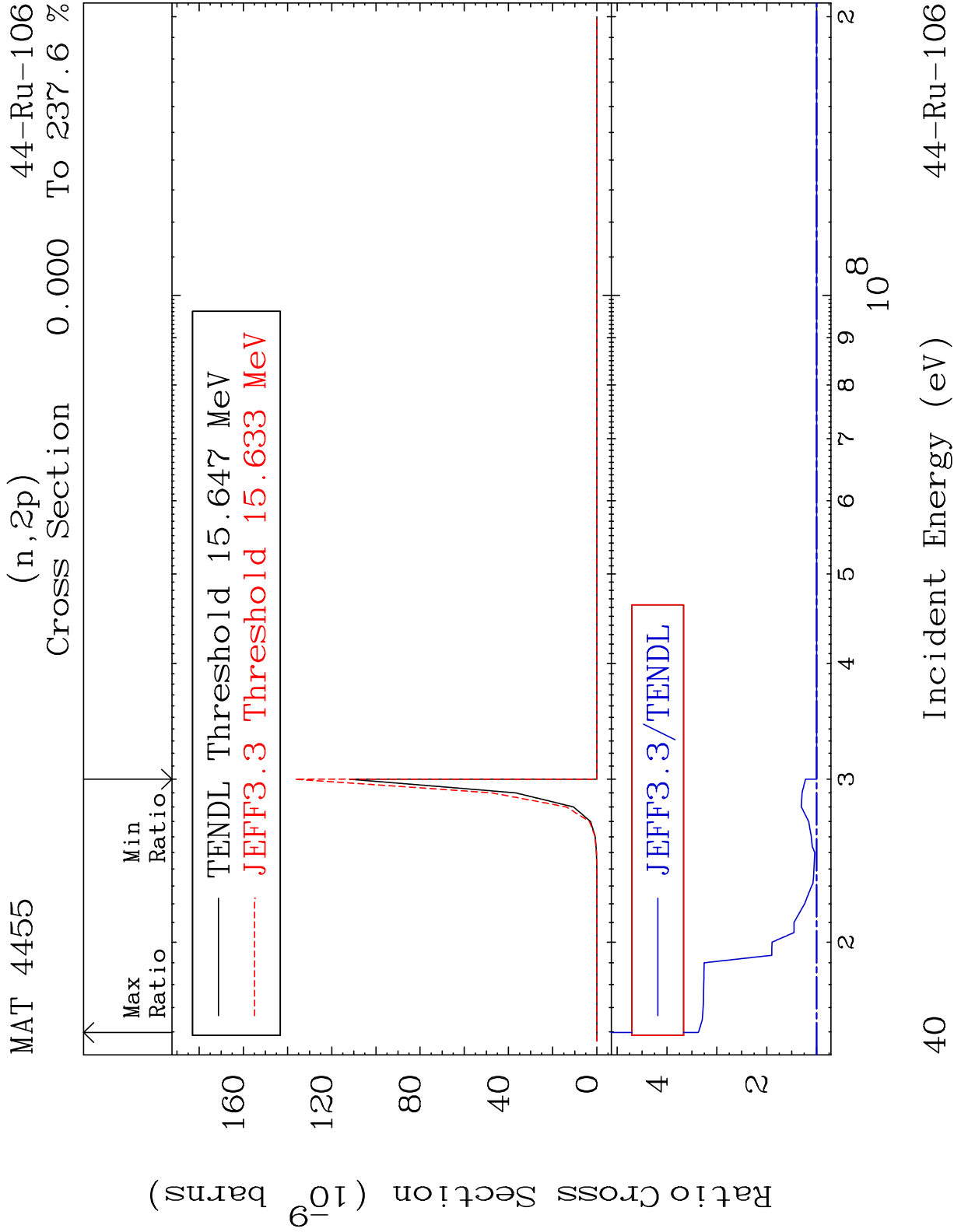


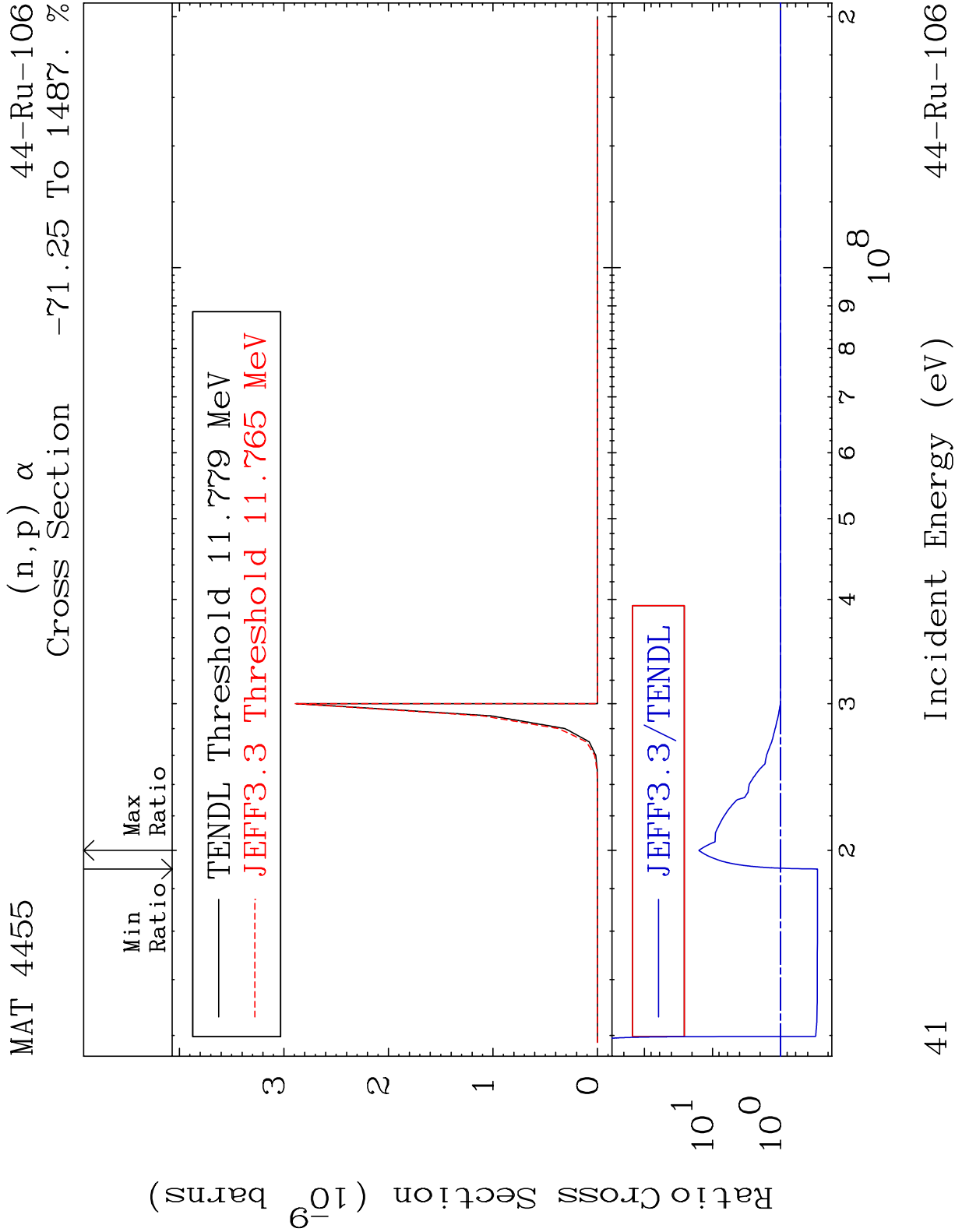




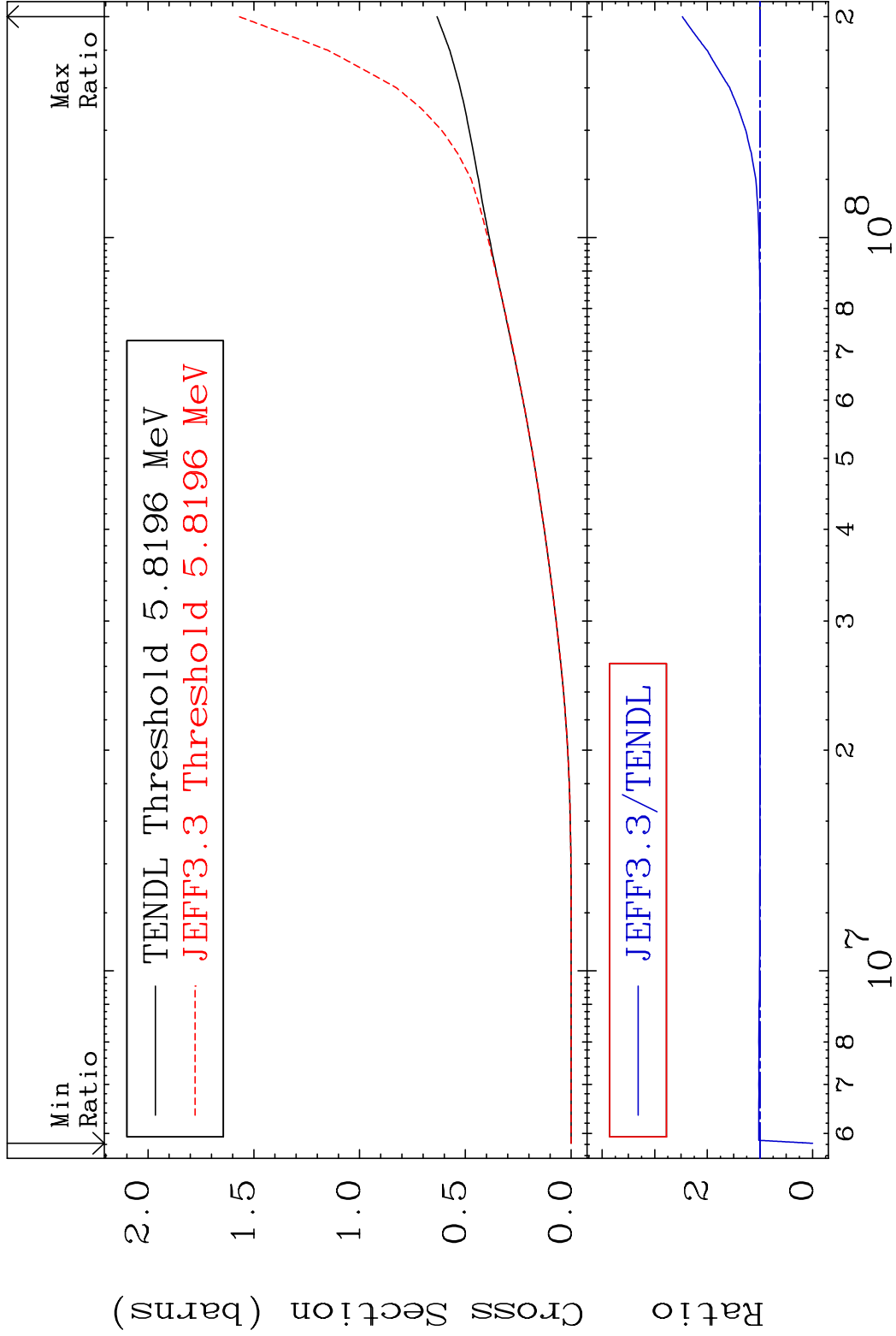




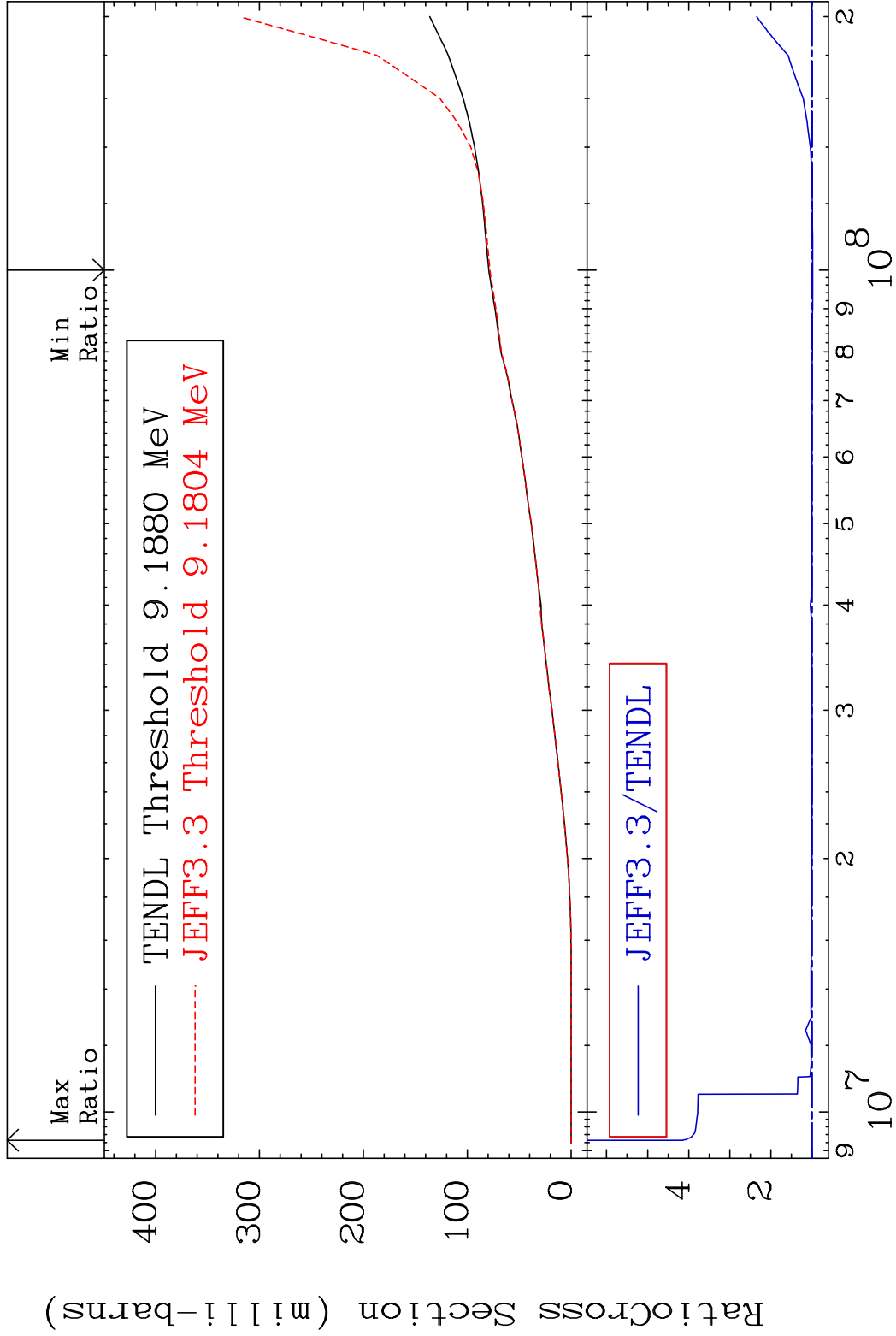




MAT 4455 Hydrogen Production 44-Ru-106
Cross Section -100.0 To 147.4 %

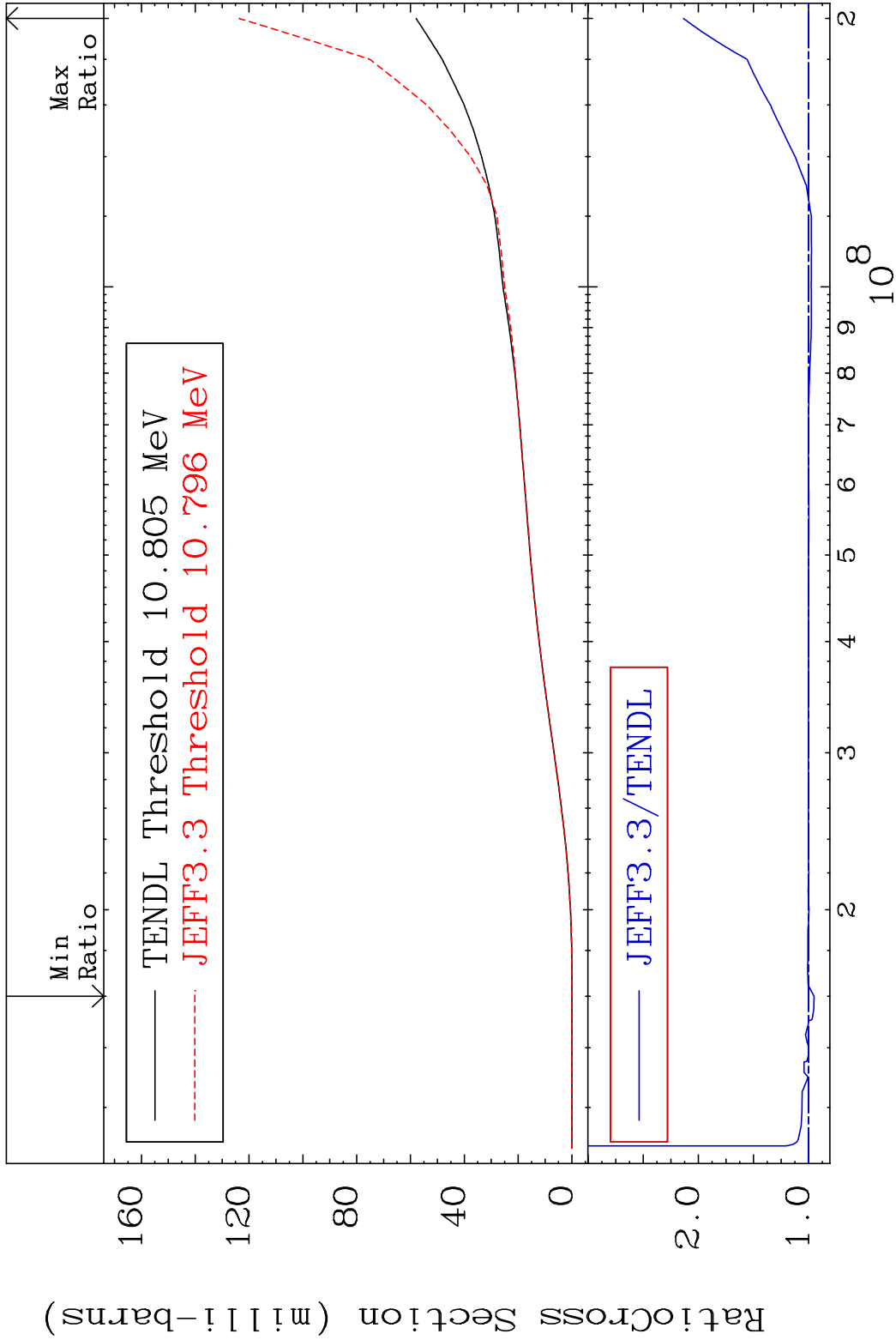


MAT 4455 Deuterium Production 44-Ru-106
Cross Section -1.342 To 315.5 %



43 Incident Energy (eV) 44-Ru-106

MAT 4455 Tritium Production 44-Ru-106
Cross Section -4.911 To 113.6 %

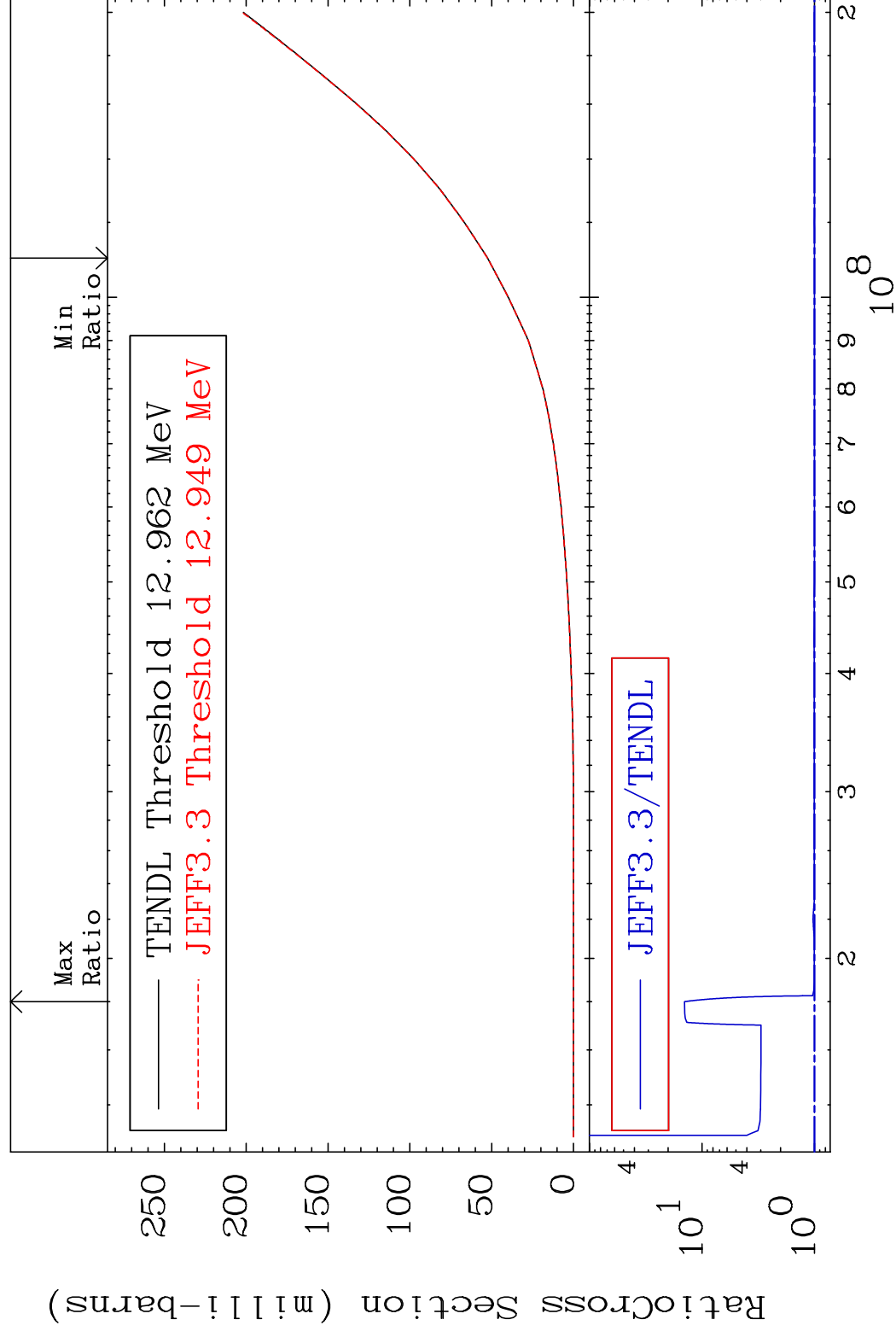


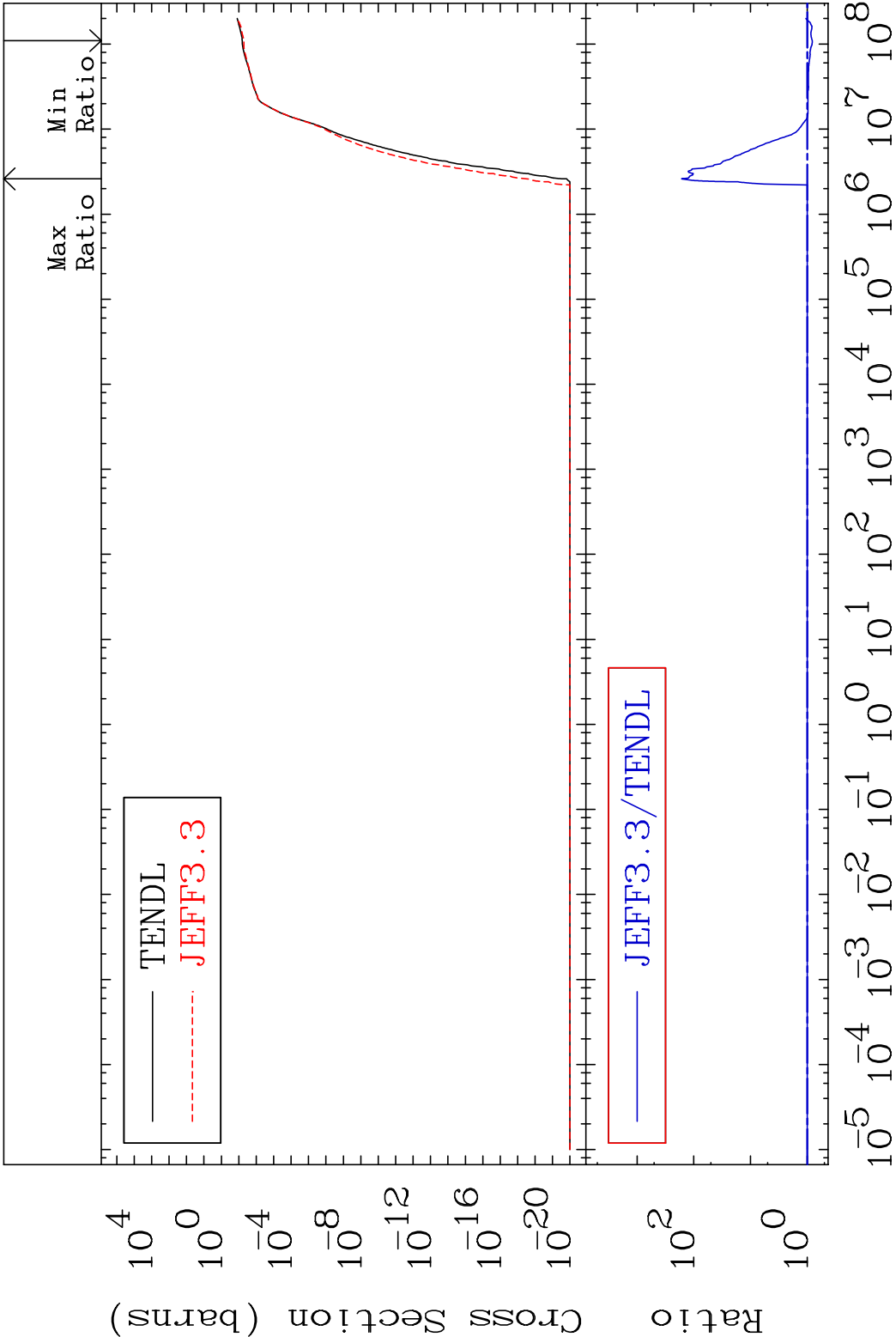
MAT 4455

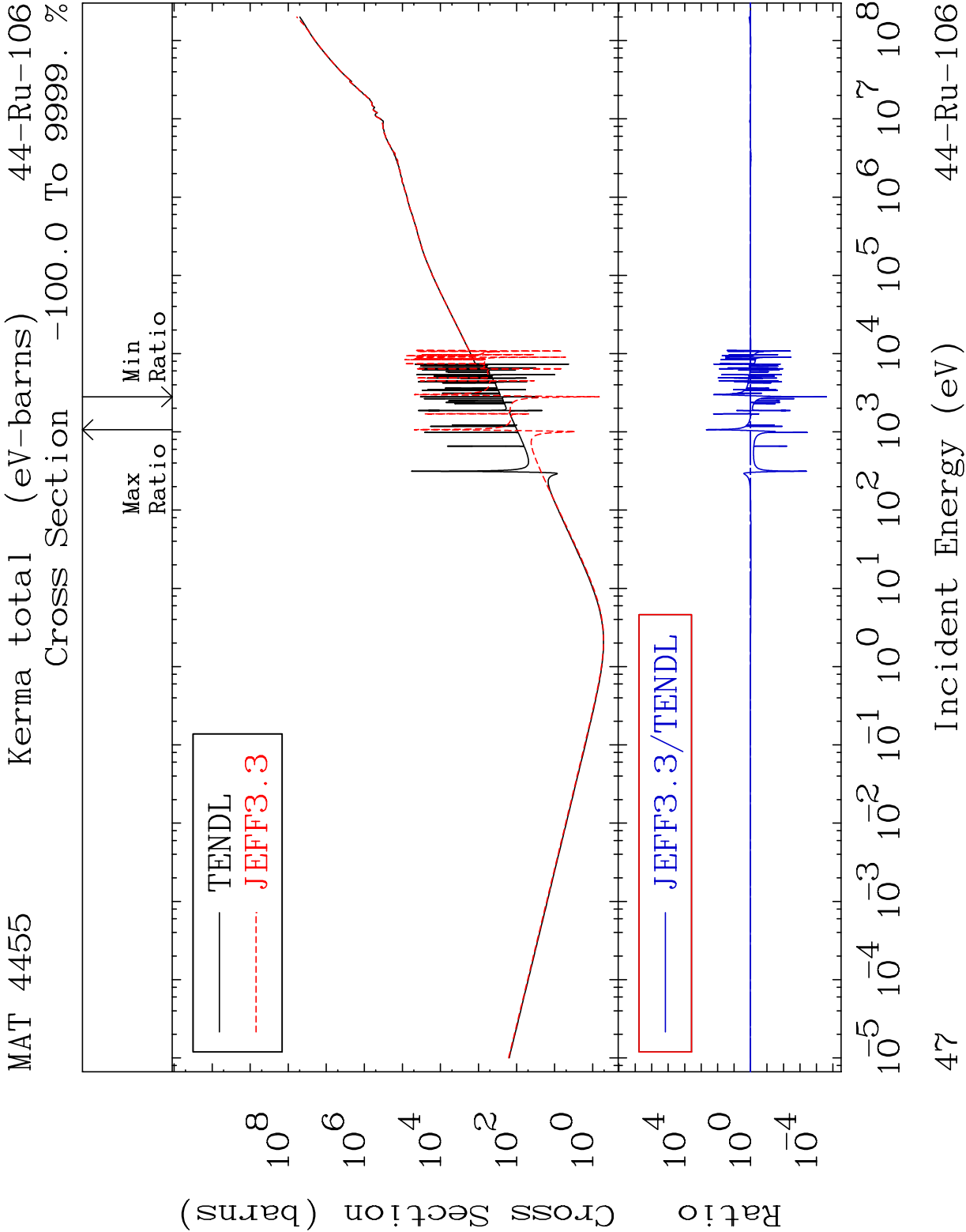
He-3 Production

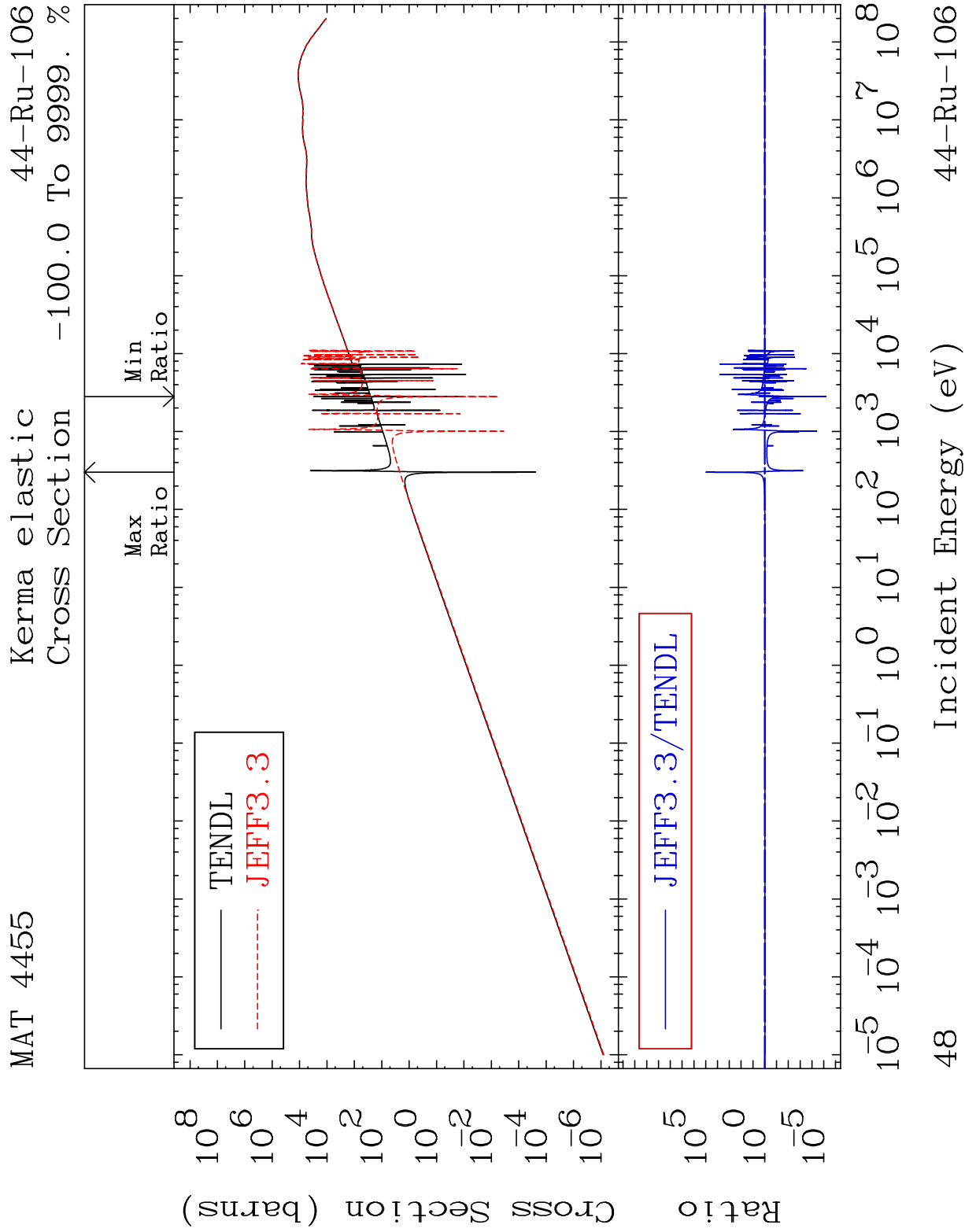
44-Ru-106

Cross Section	0.076	To 1333. %
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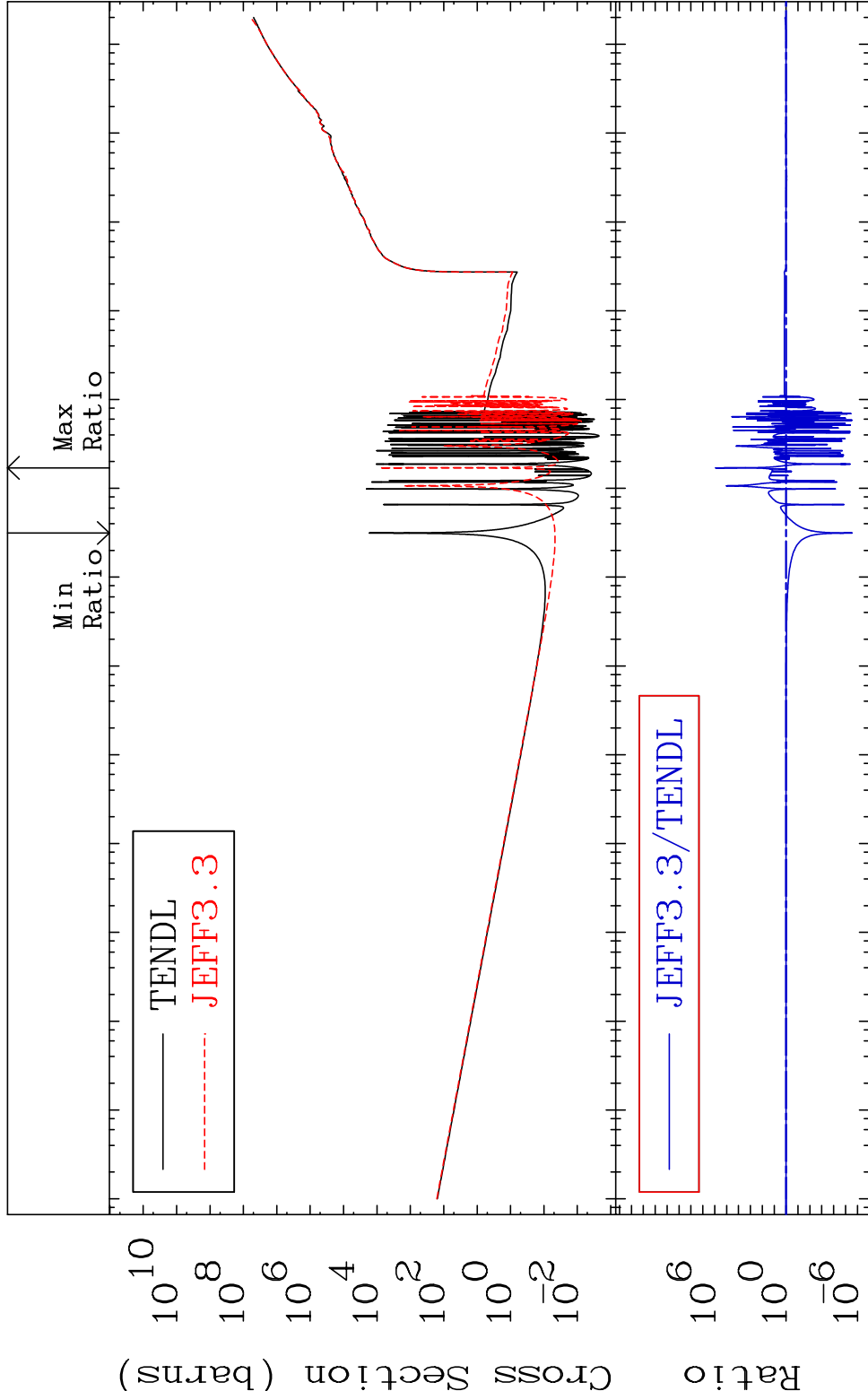




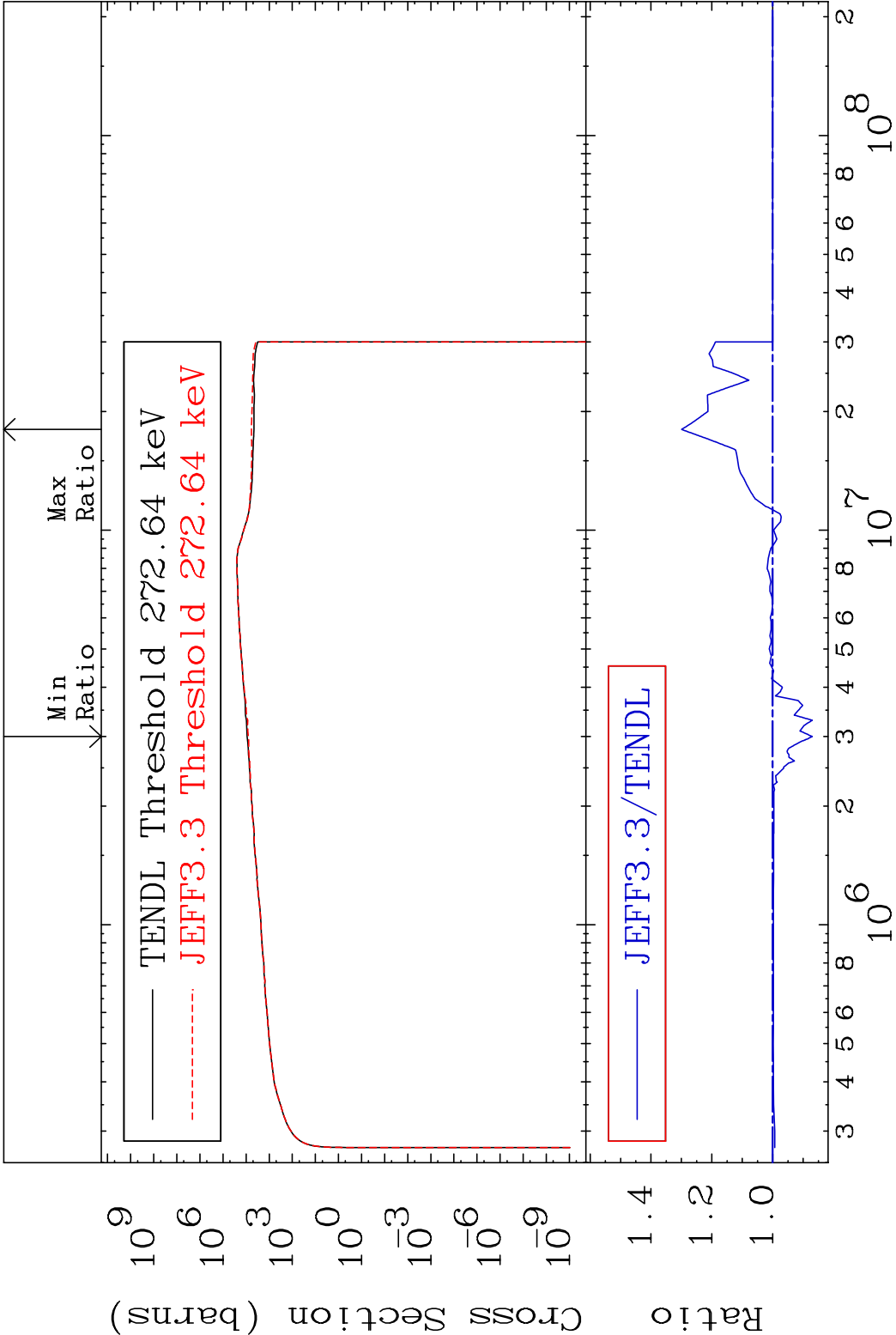


MAT 4455 Kerma non-elastic (all but mt2) 44-Ru-106

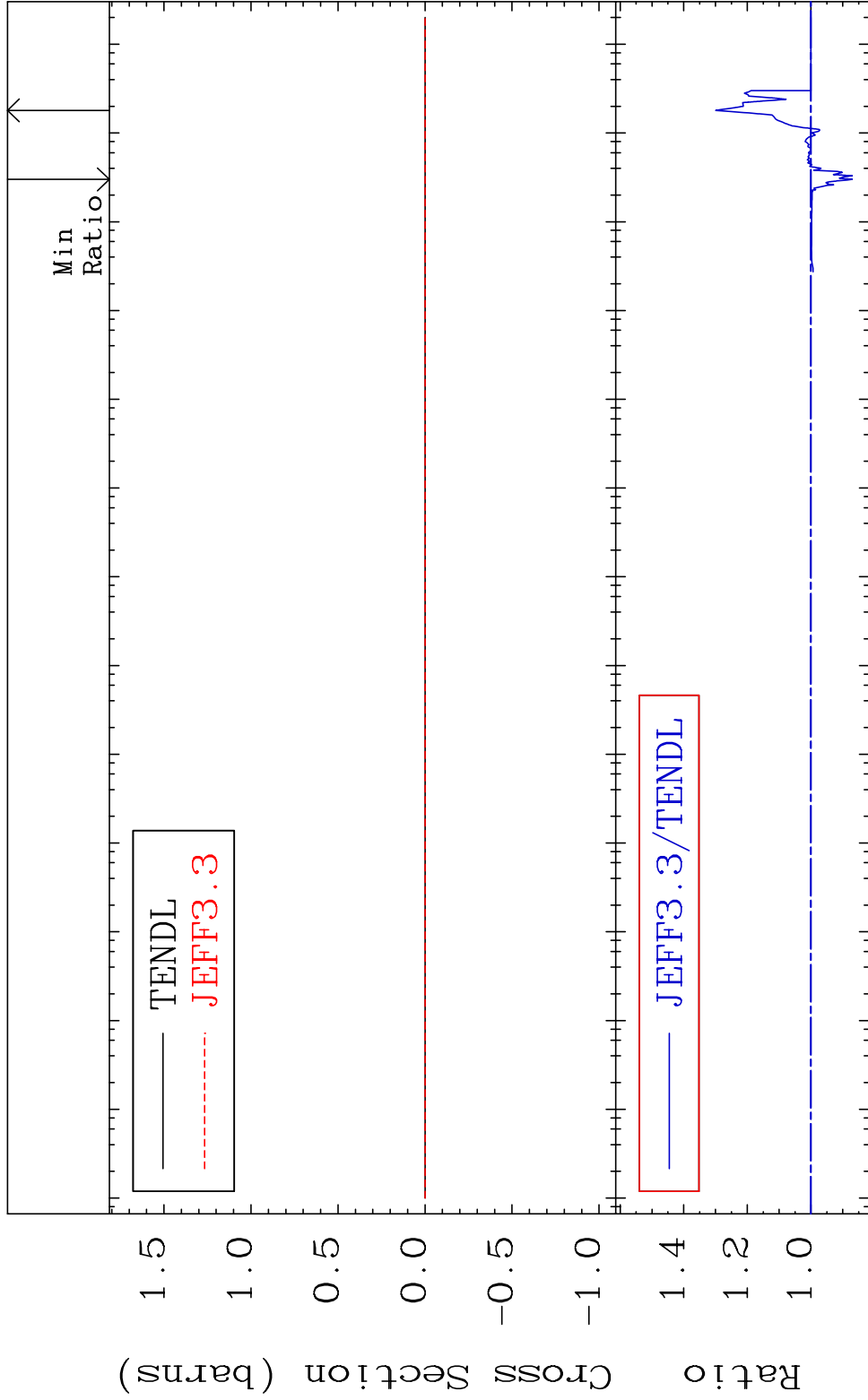
Cross Section -100.0 To 9999. %



49 Incident Energy (eV) 44-Ru-106

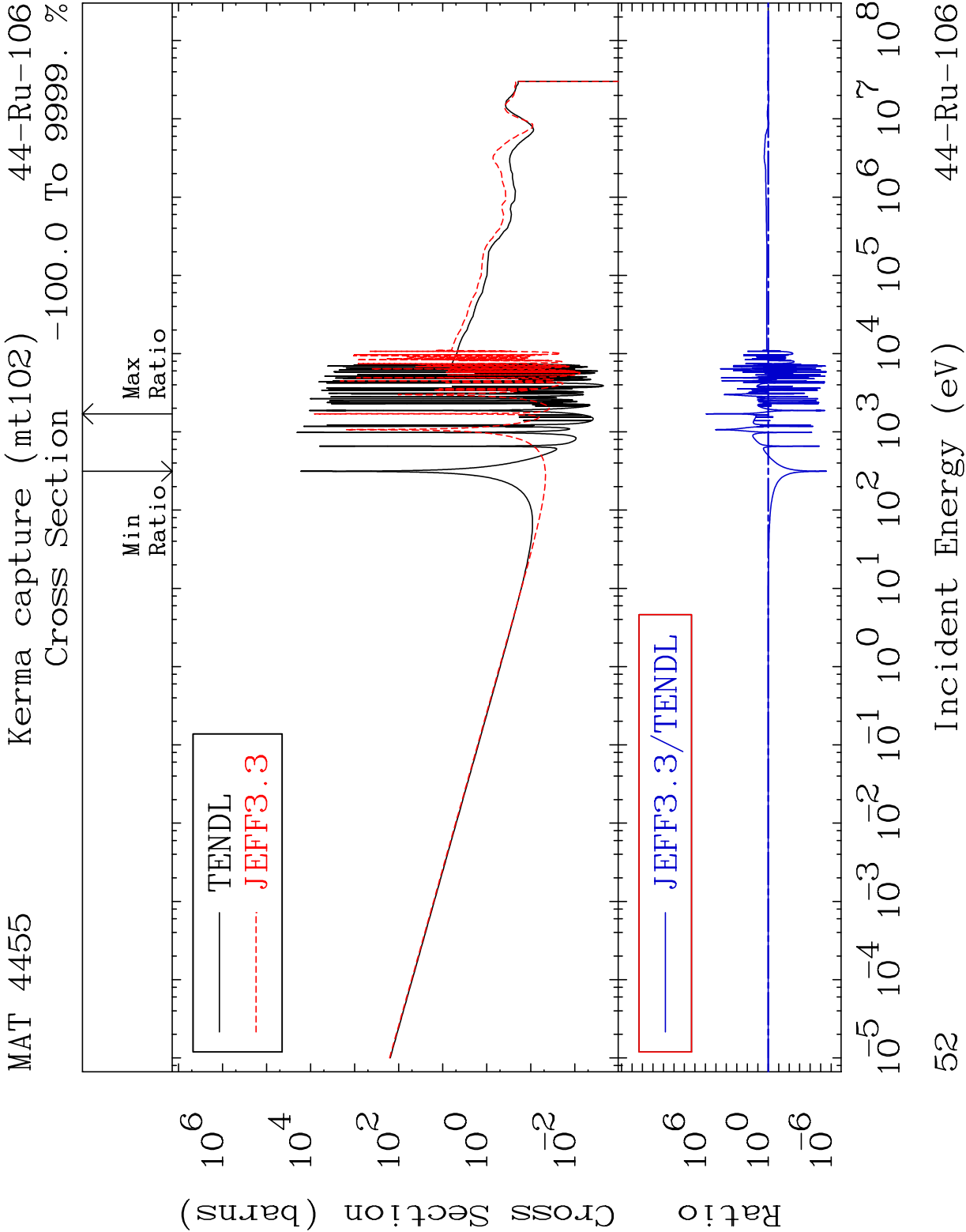


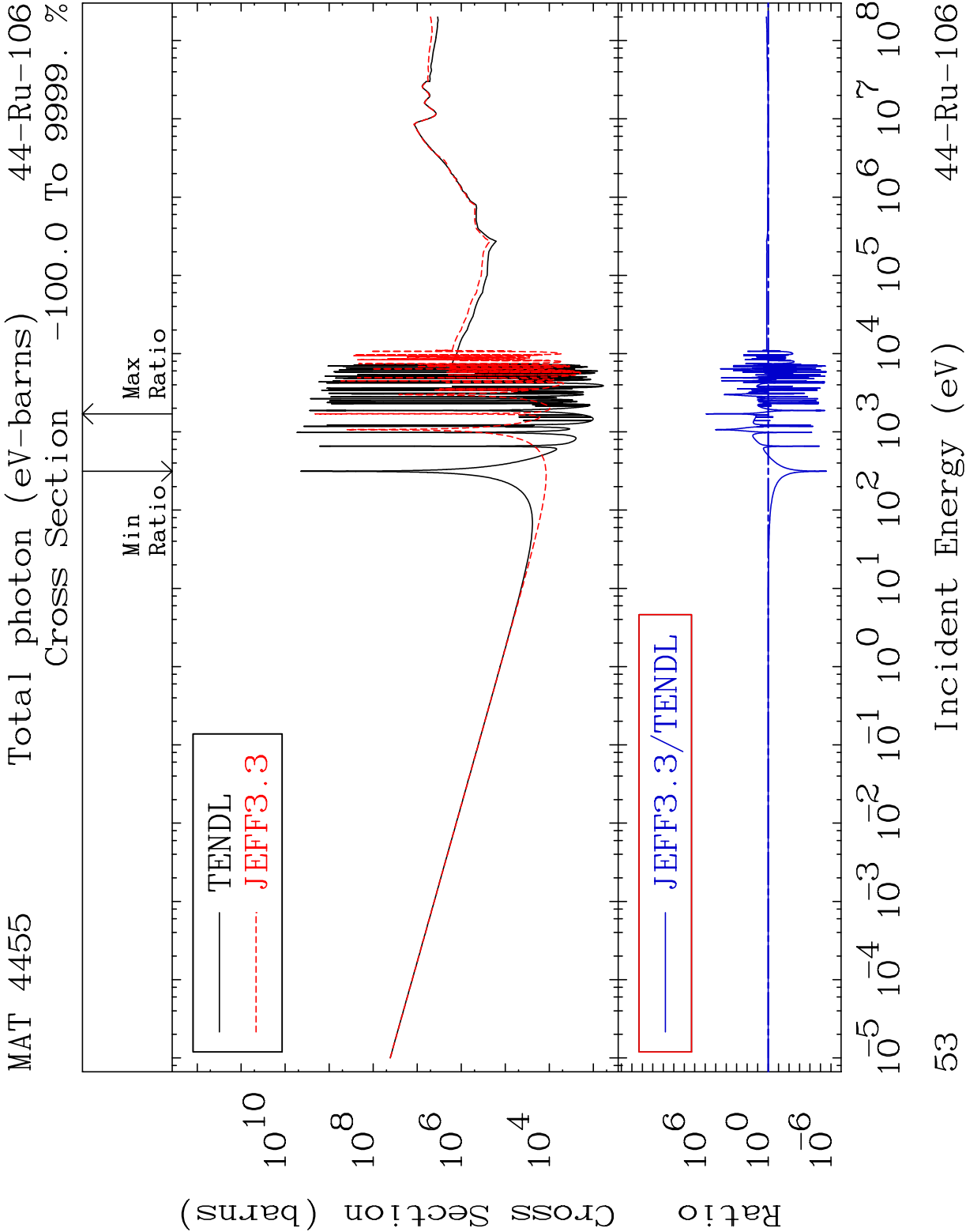
MAT 4455 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-106
Cross Section -12.98 To 29.96 %



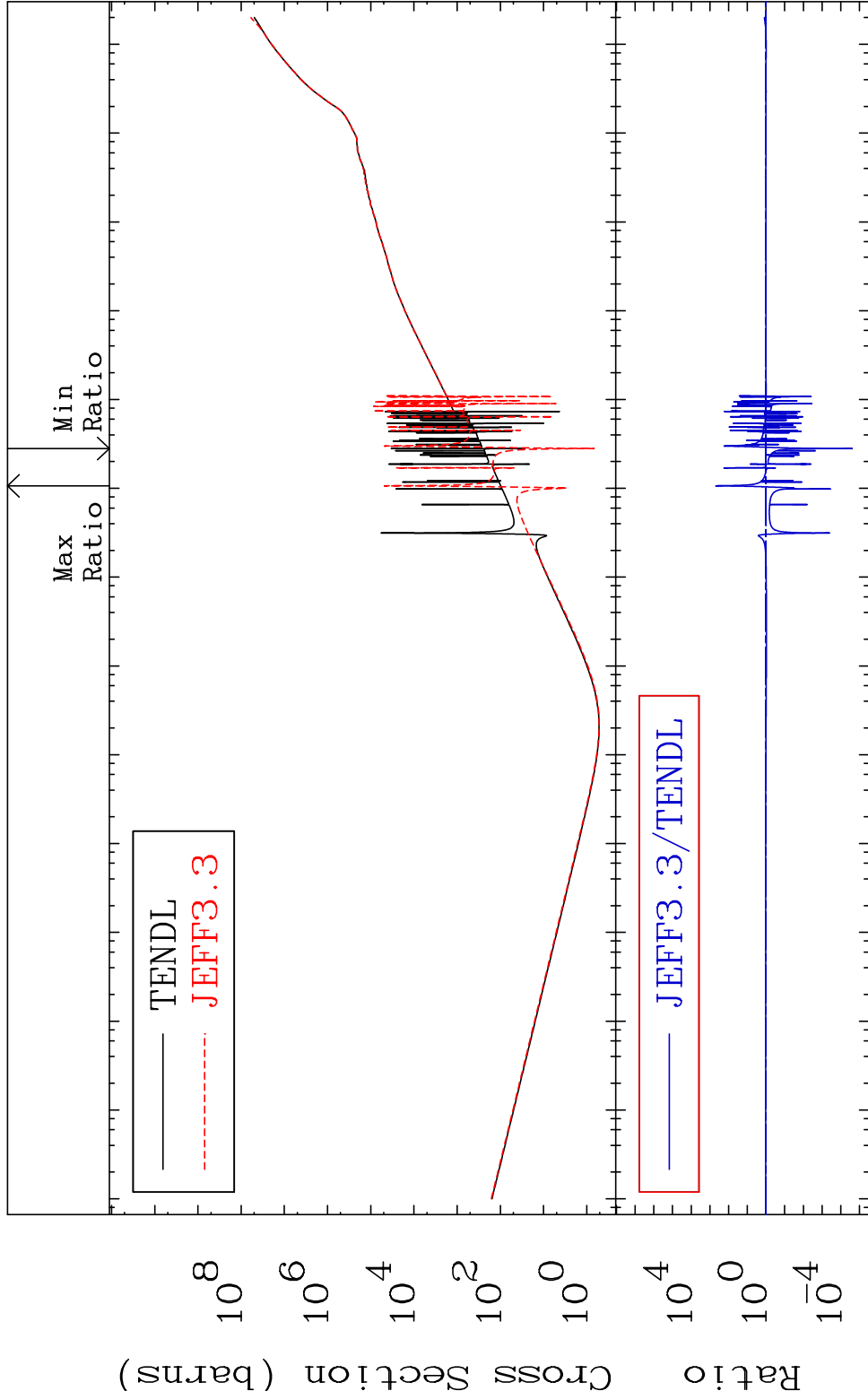
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

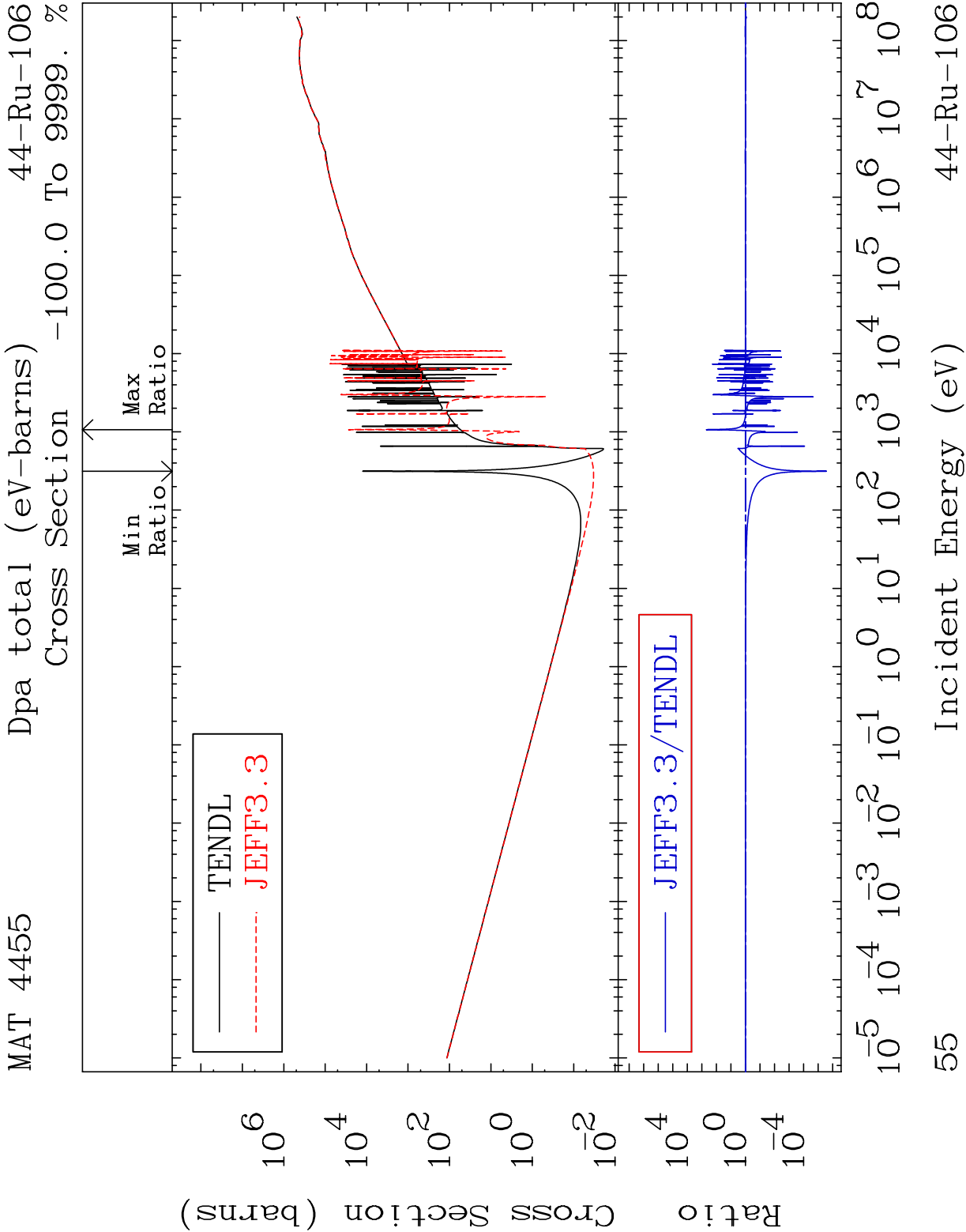
51 Incident Energy (eV) 44-Ru-106



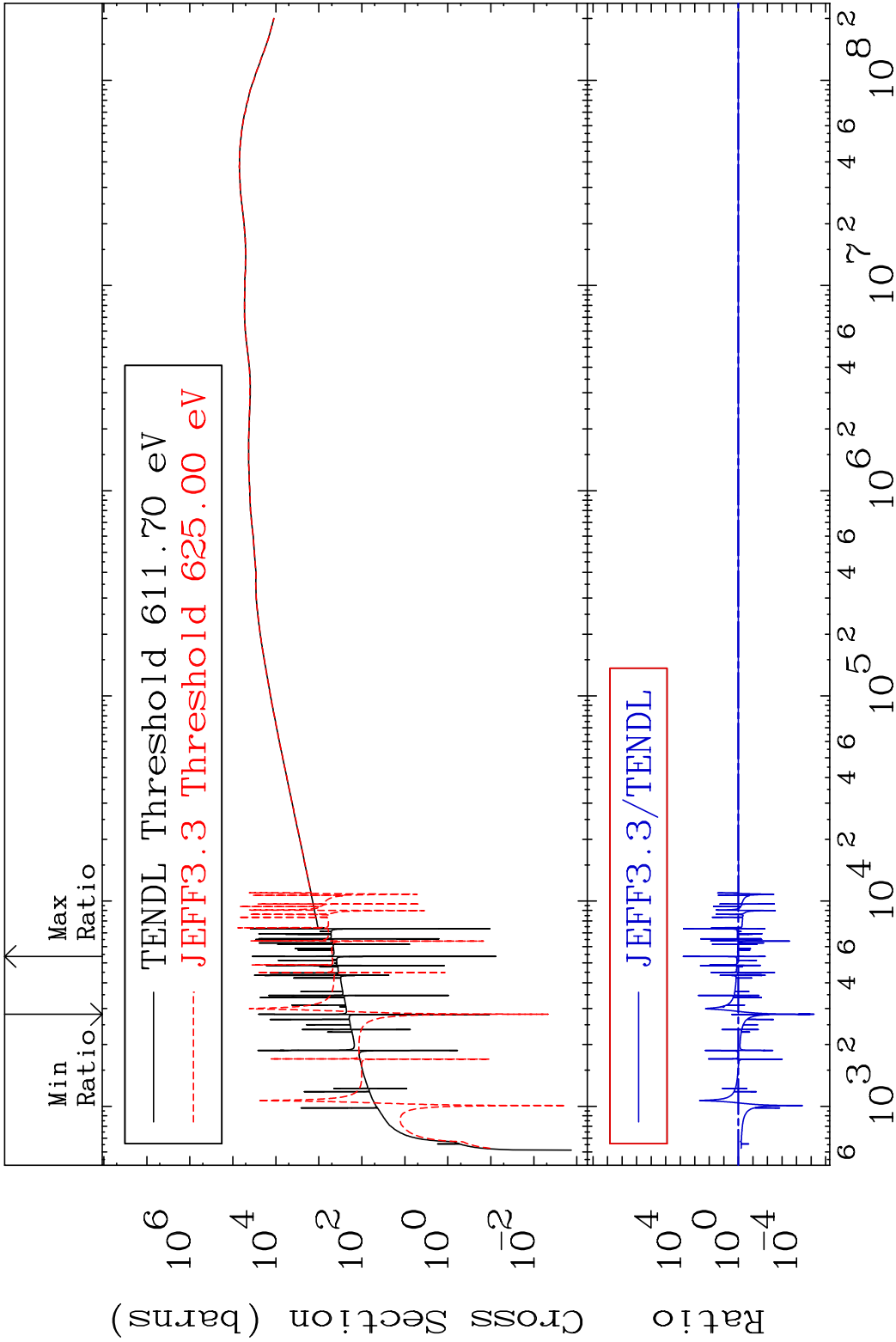


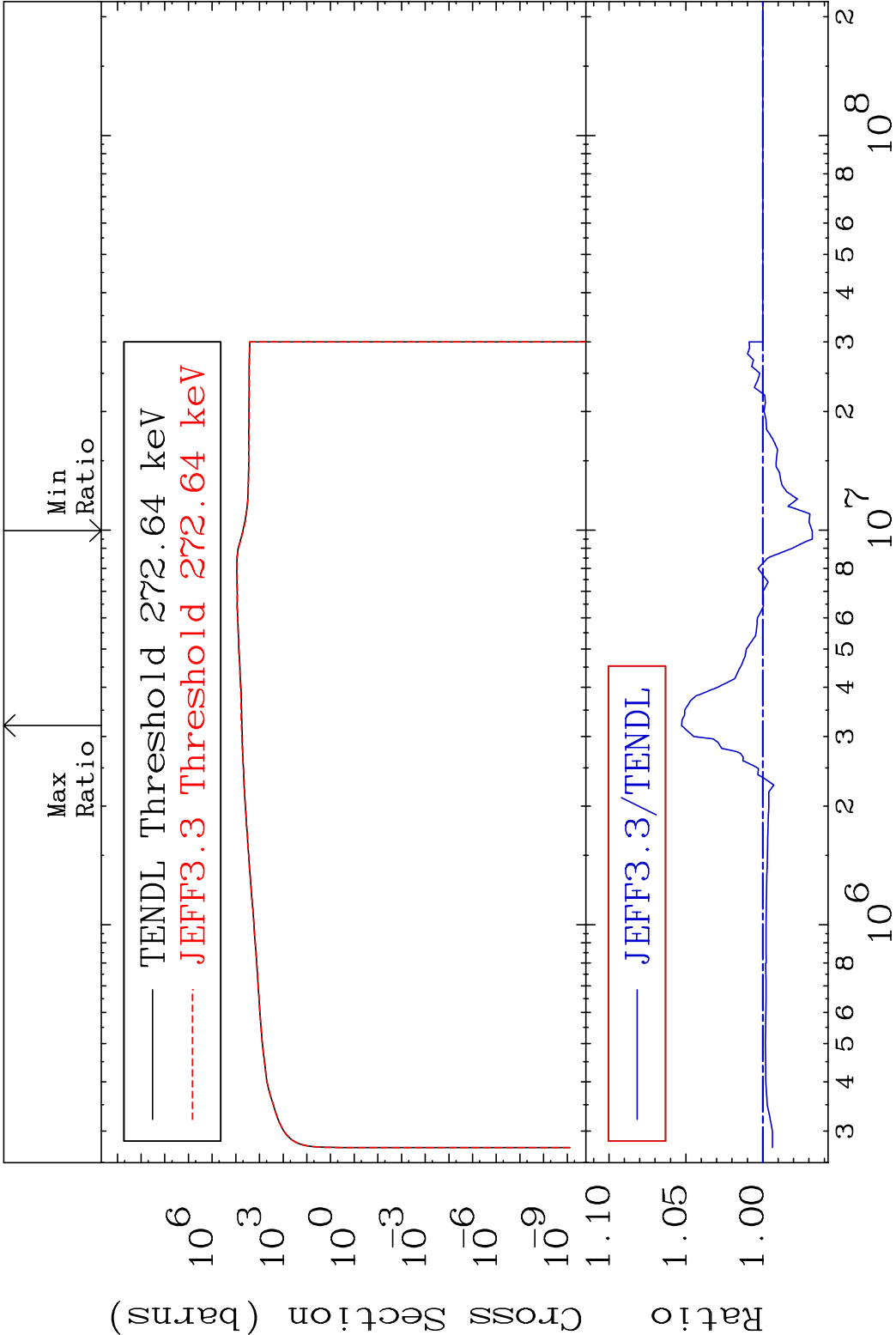
MAT 4455 Total kinematic kerma (high limit) 44-Ru-106
Cross Section -100.0 To 9999. %





MAT 4455 Dpa elastic (mt2) 44-Ru-106
 Cross Section -100.0 To 9999. %





MAT 4455 Dpa disappearance (mt102 -120) 44-Ru-106
Cross Section -100.0 To 9999. %

