

Program Complot
(Version 2021-1)

by

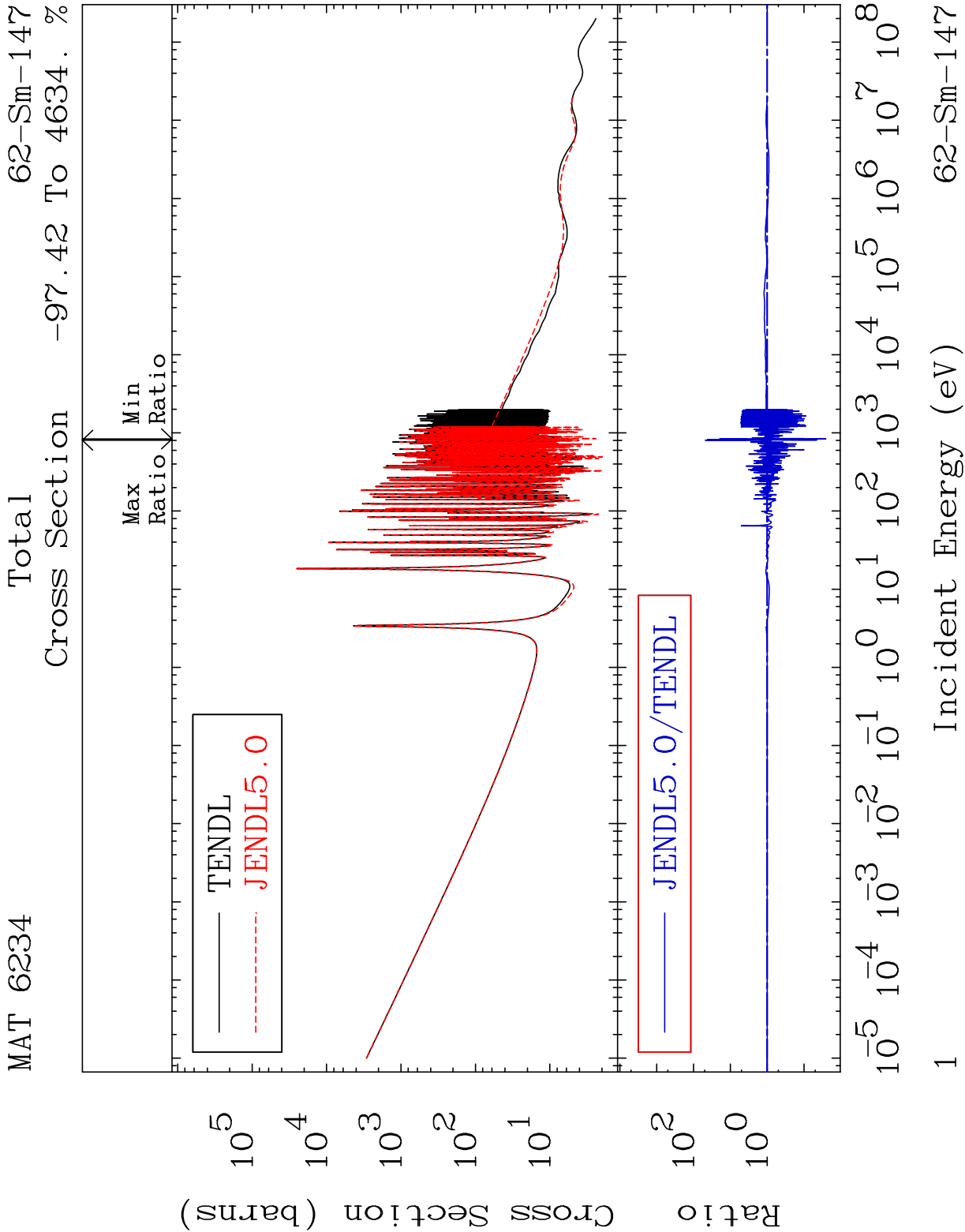
Dermott E. Cullen
(Present Contact Information)

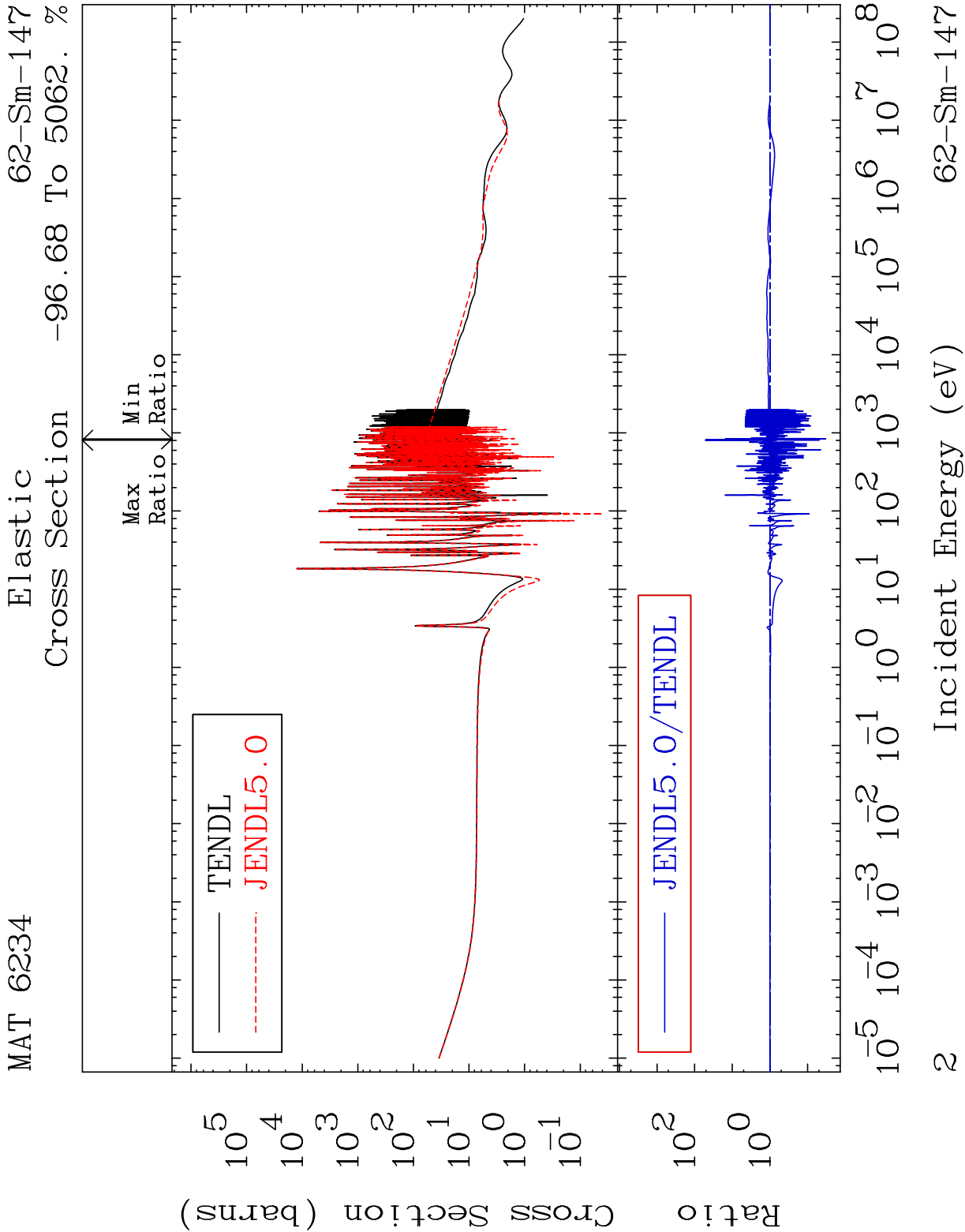
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

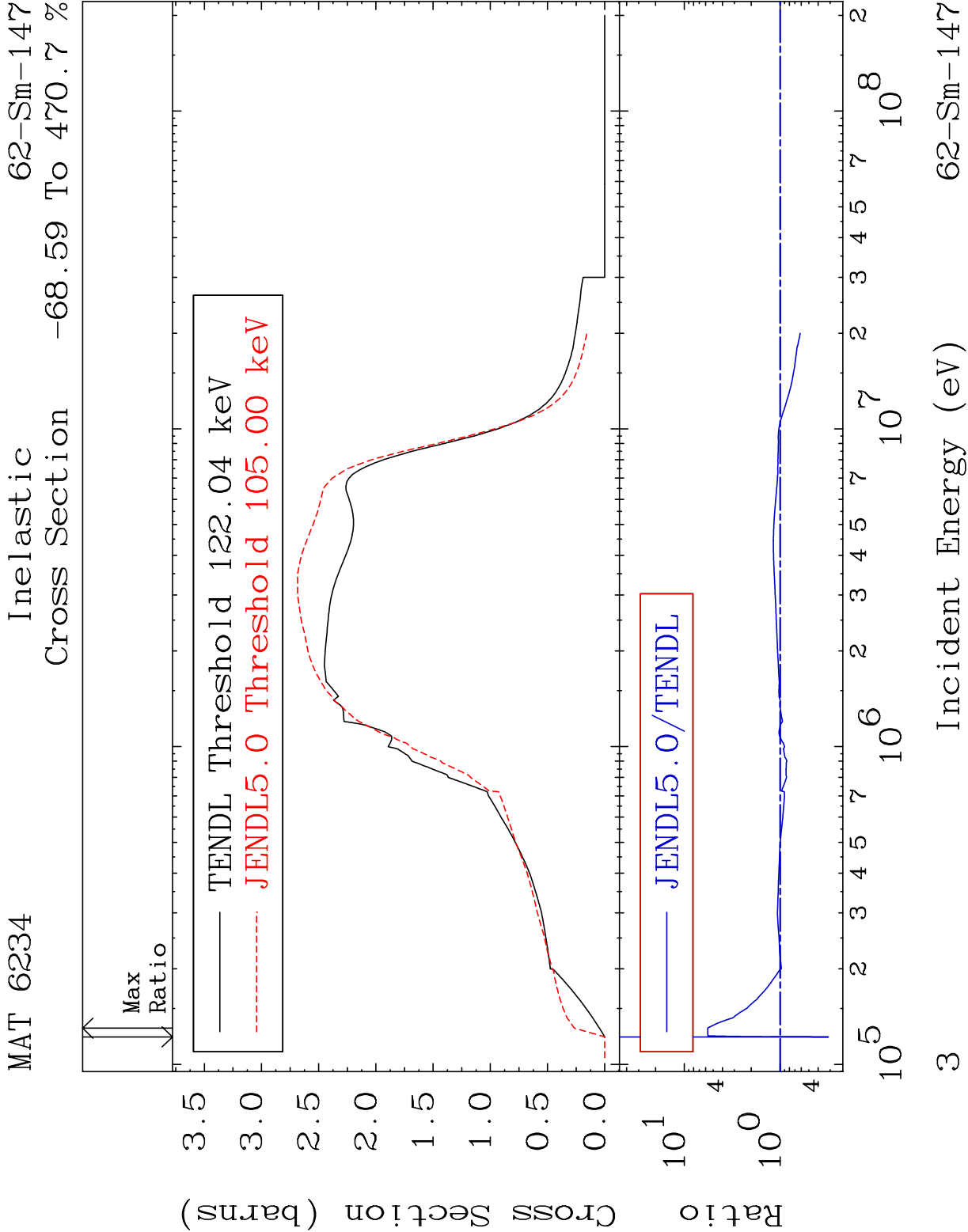
Tele: 925-443-1911

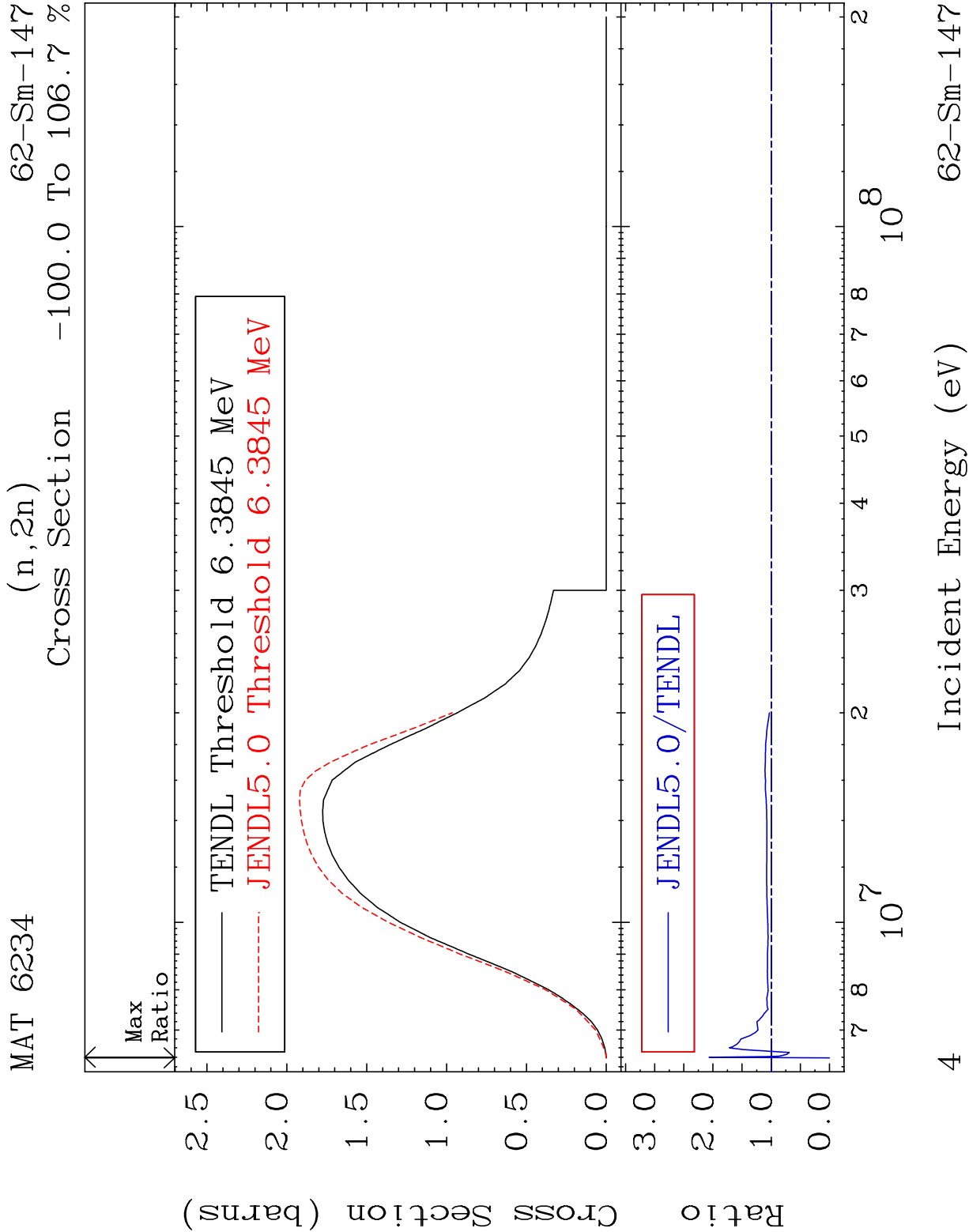
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

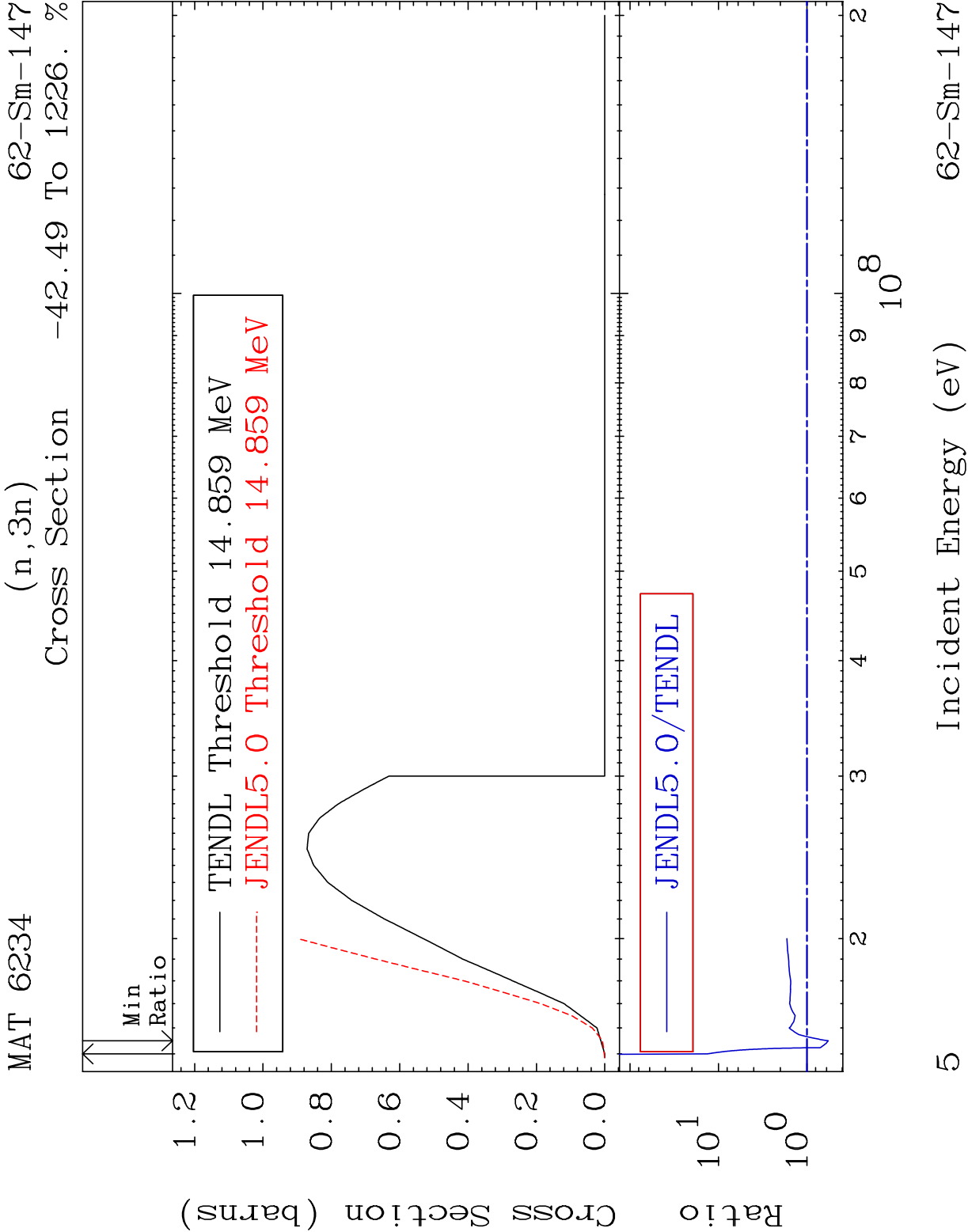
Press Mouse Button to Start









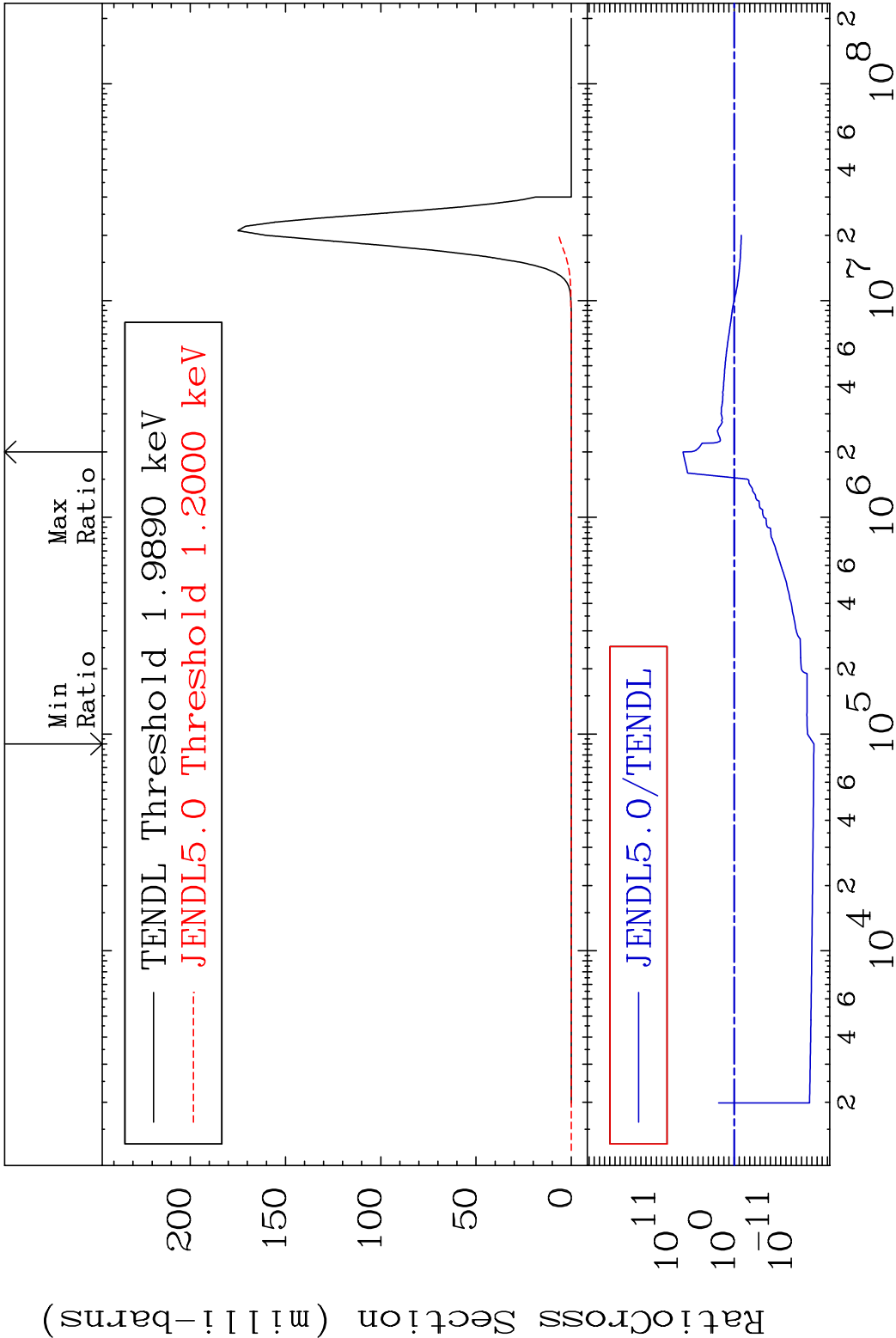


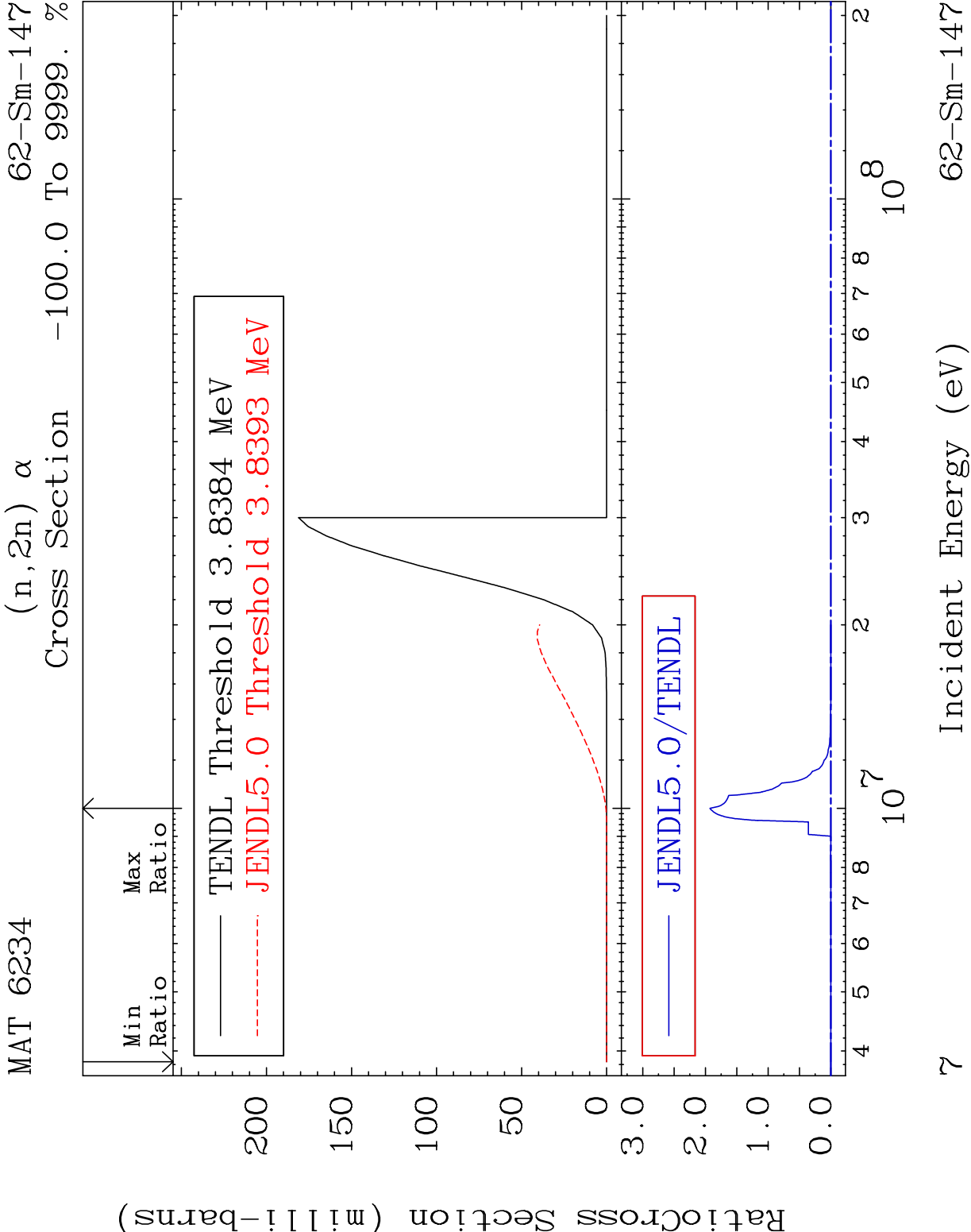
MAT 6234

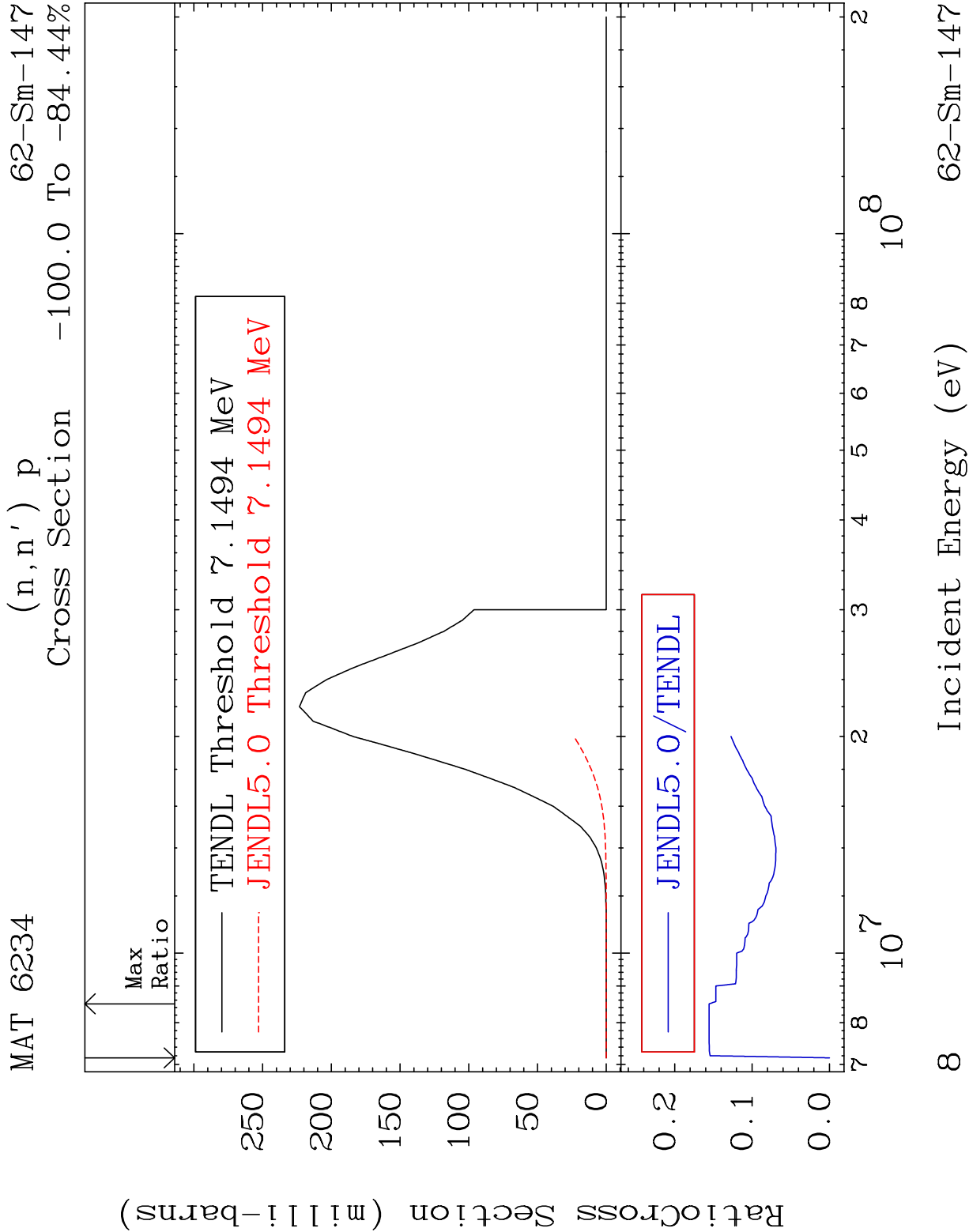
(n,n') α

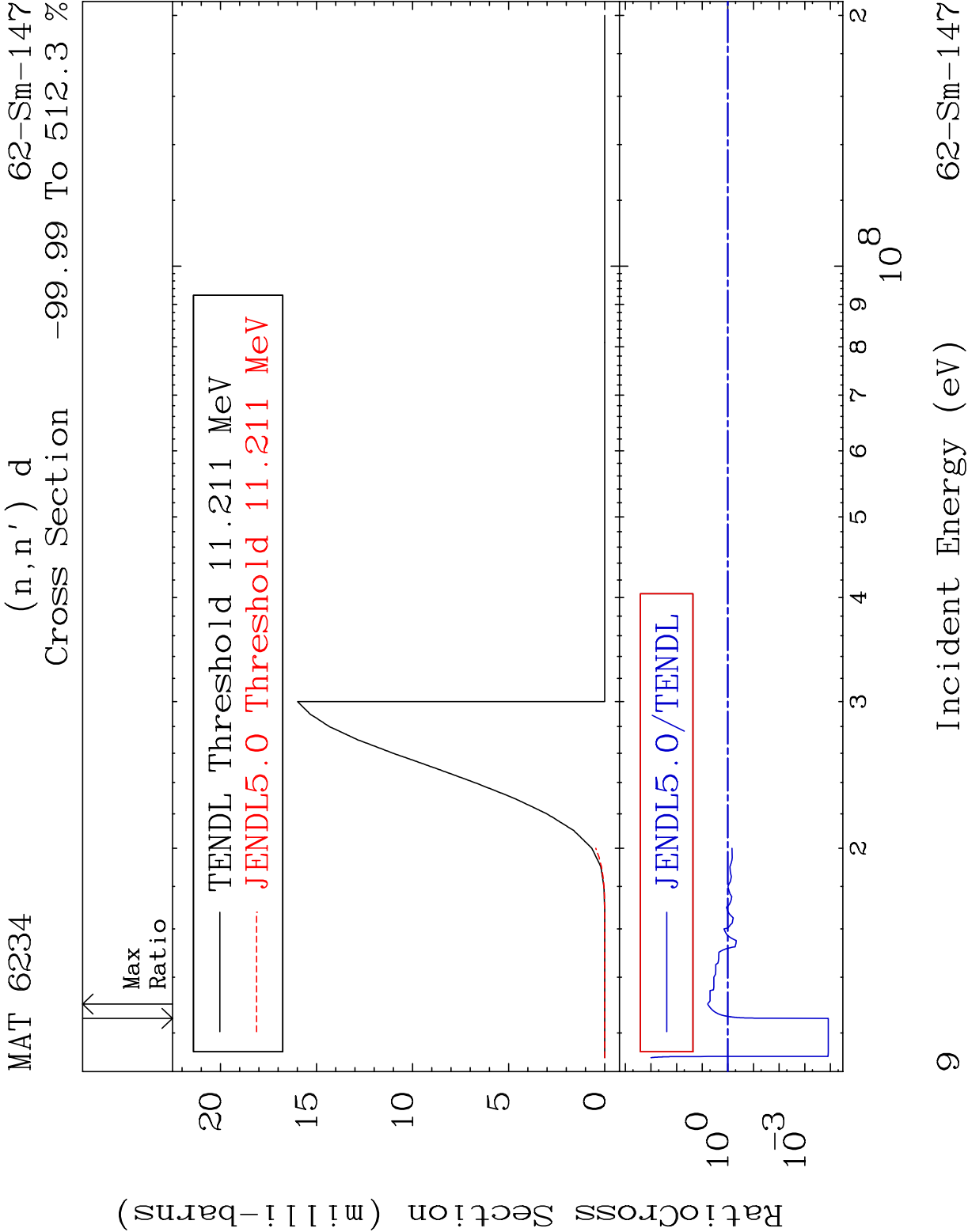
62-Sm-147

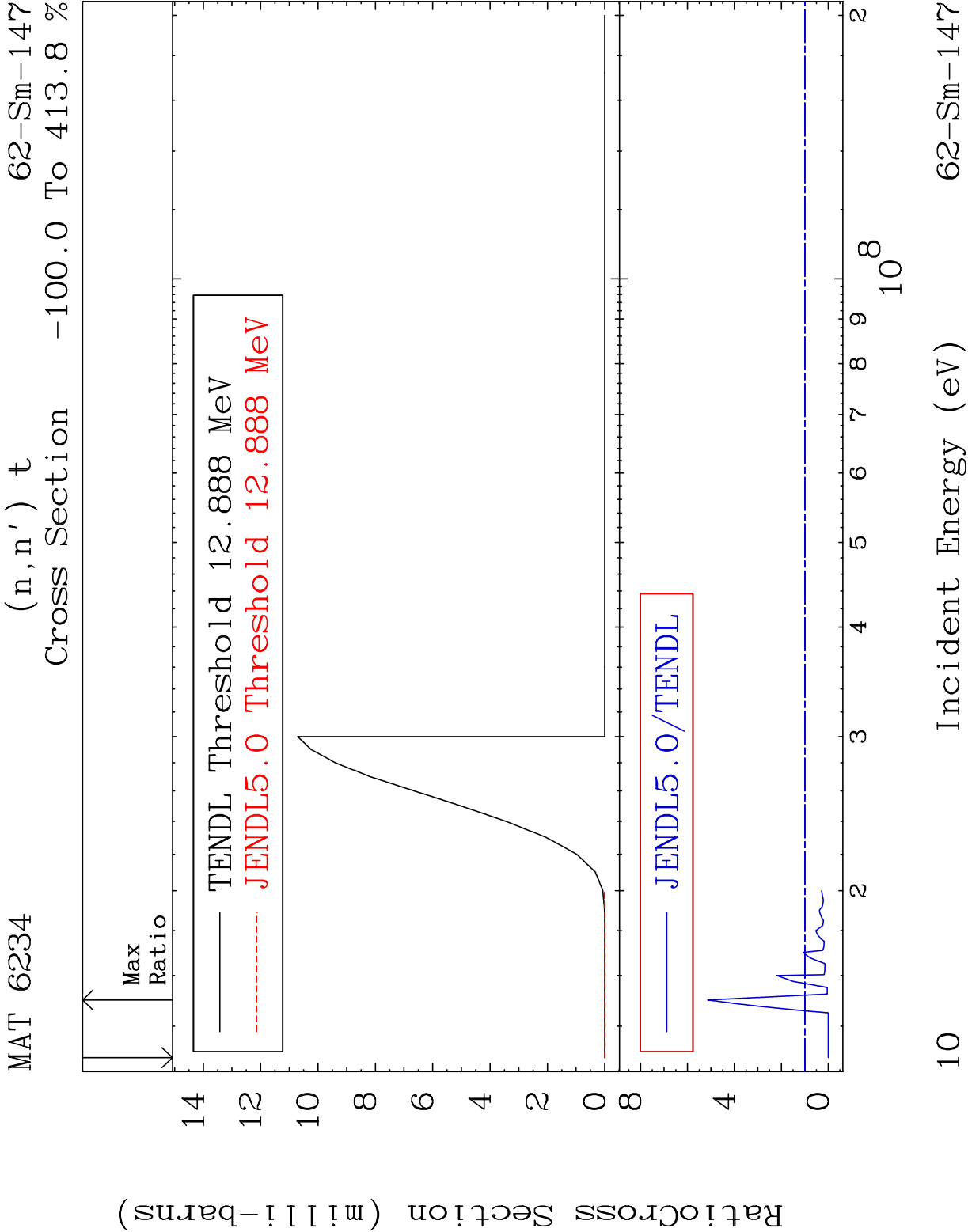
Cross Section -100.0 To 9999. %

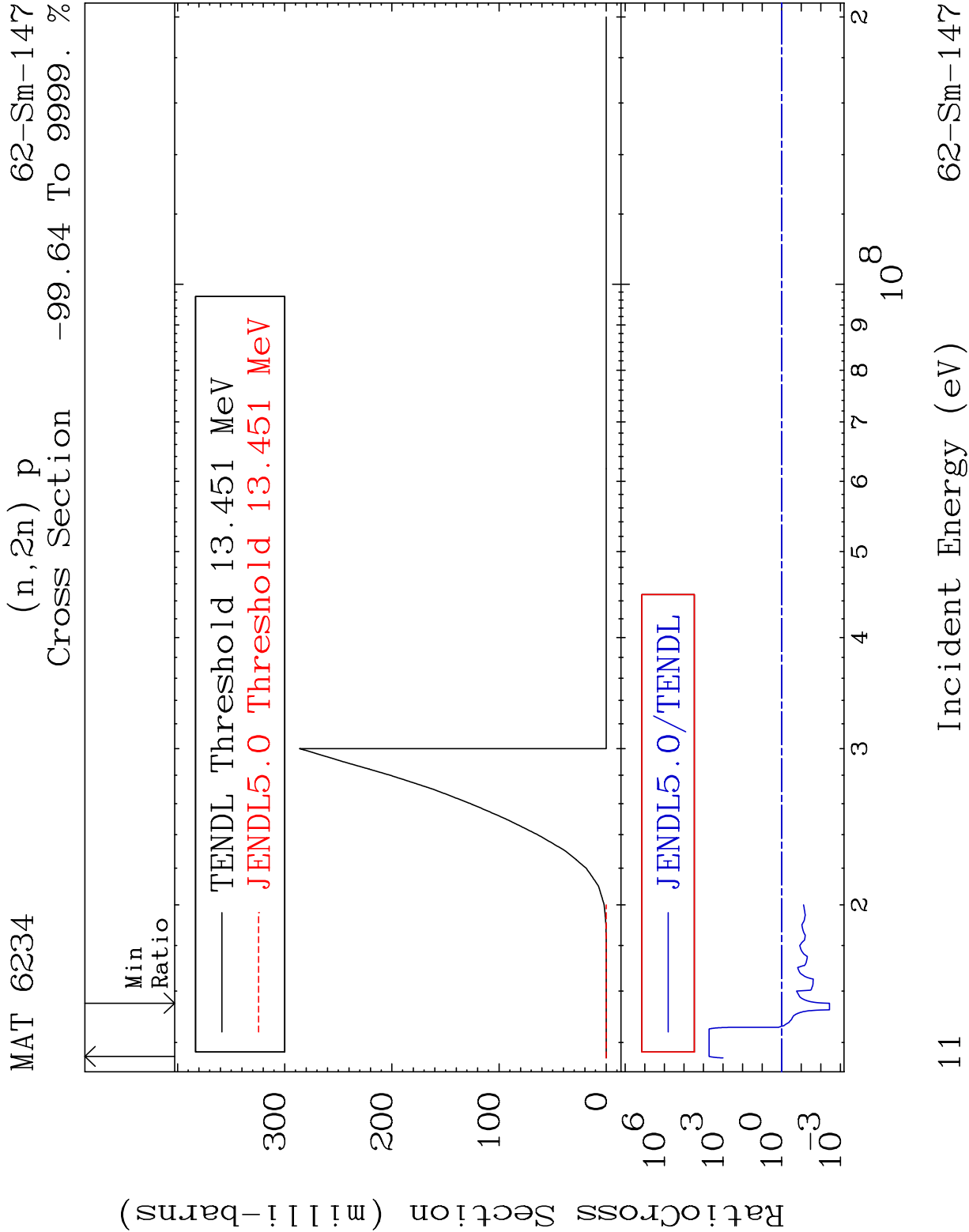




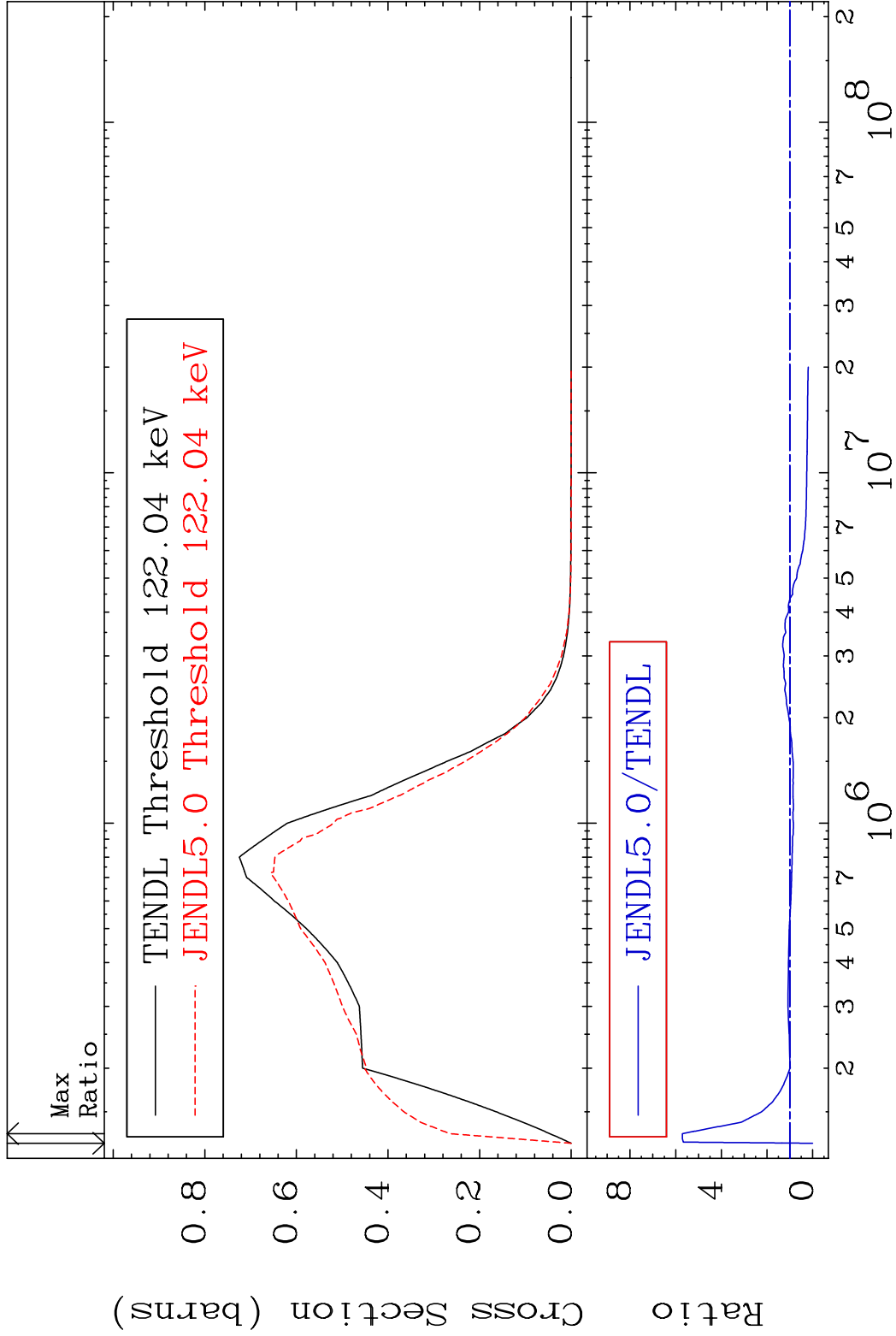




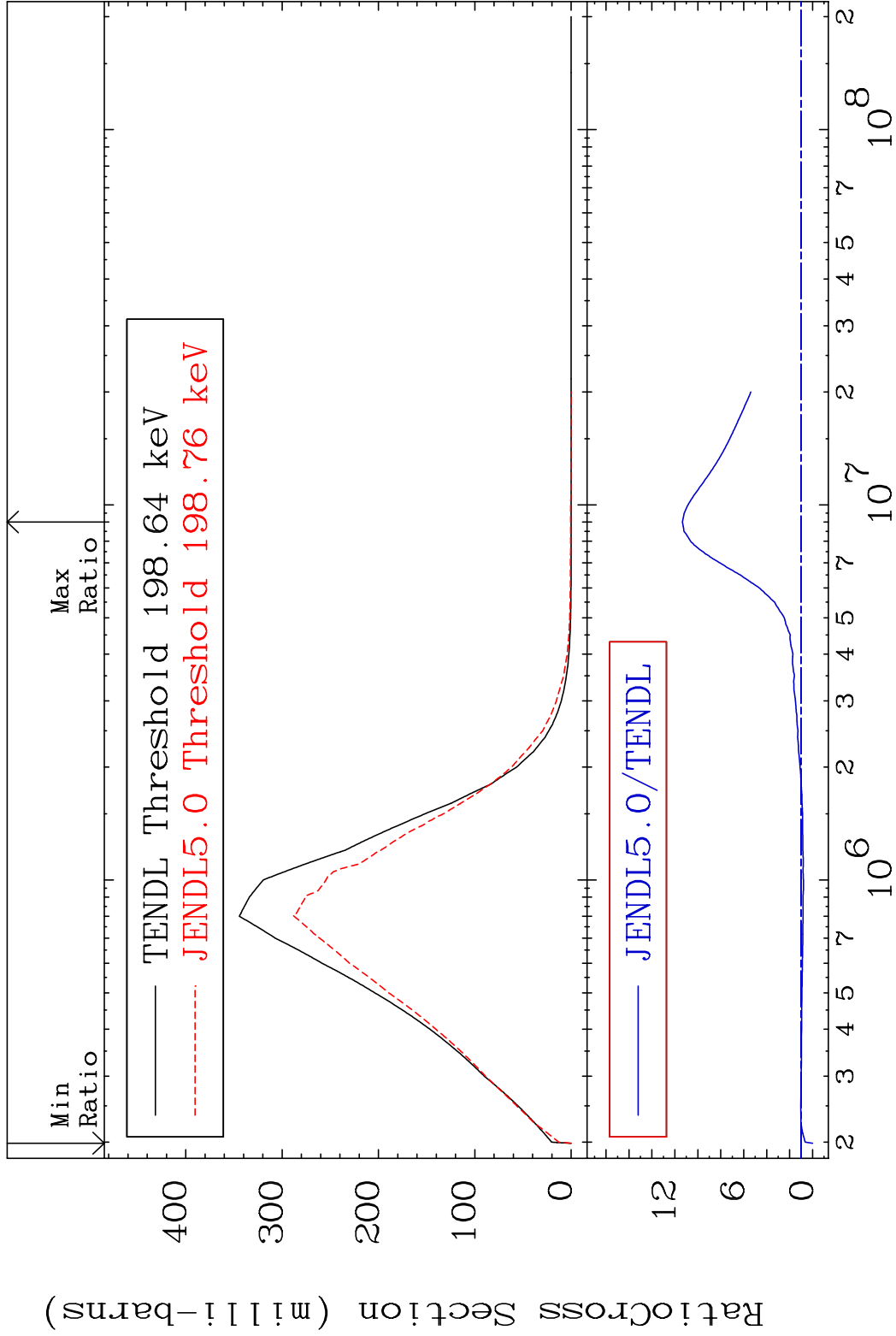


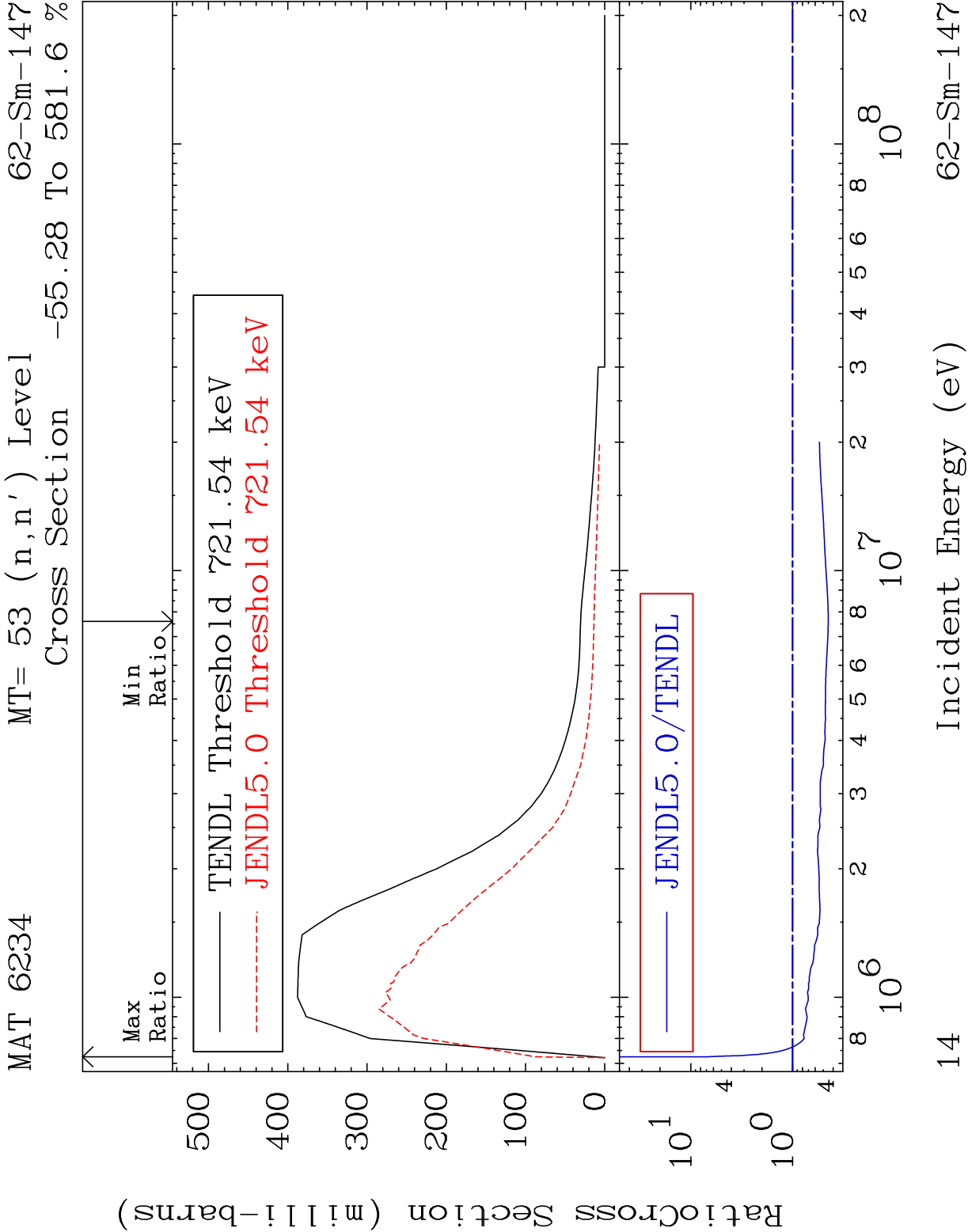


MAT 6234 MT= 51 (n,n') Level 62-Sm-147
Cross Section -100.0 To 470.7 %

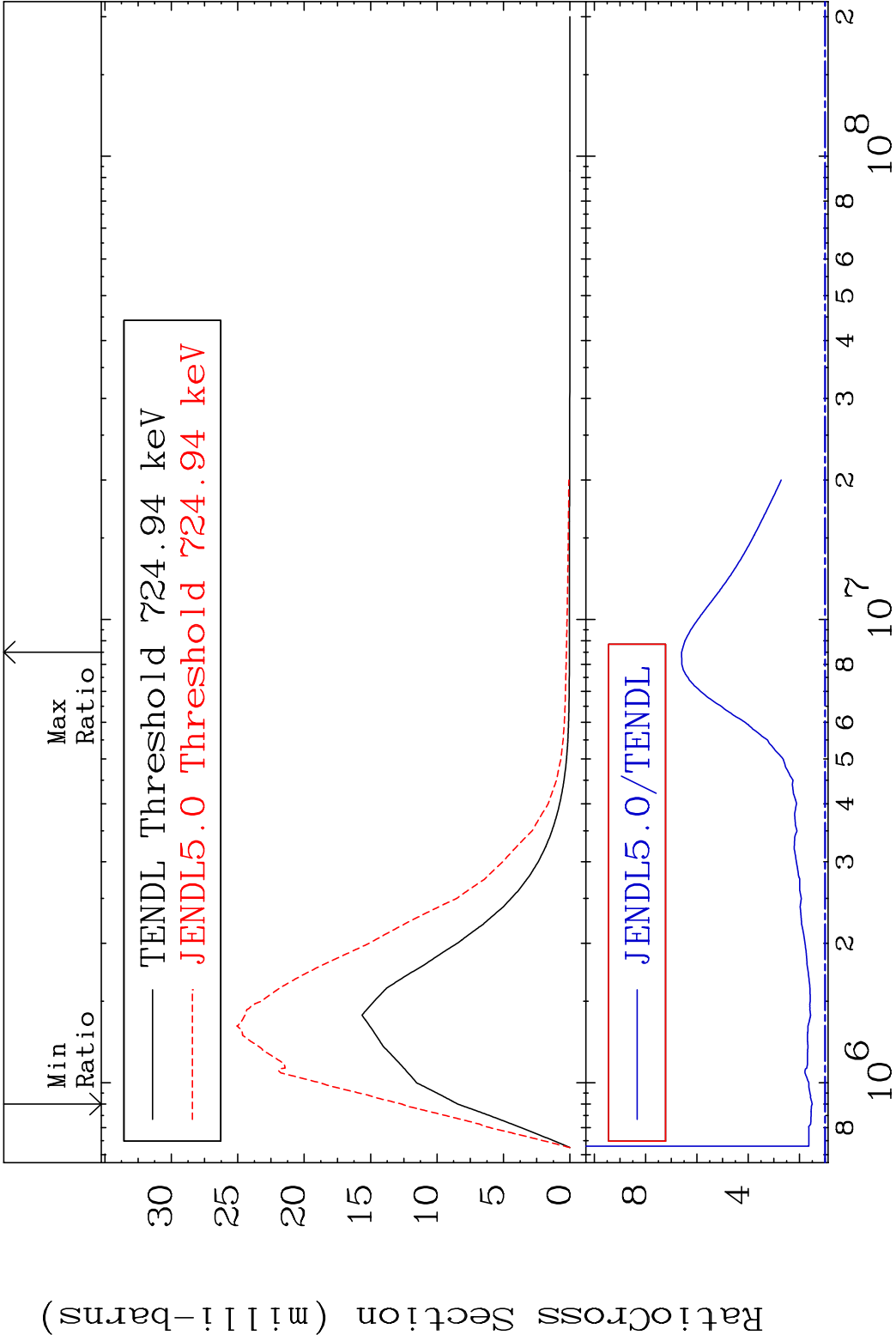


MAT 6234 MT= 52 (n,n') Level 62-Sm-147
Cross Section -100.0 To 1035. %

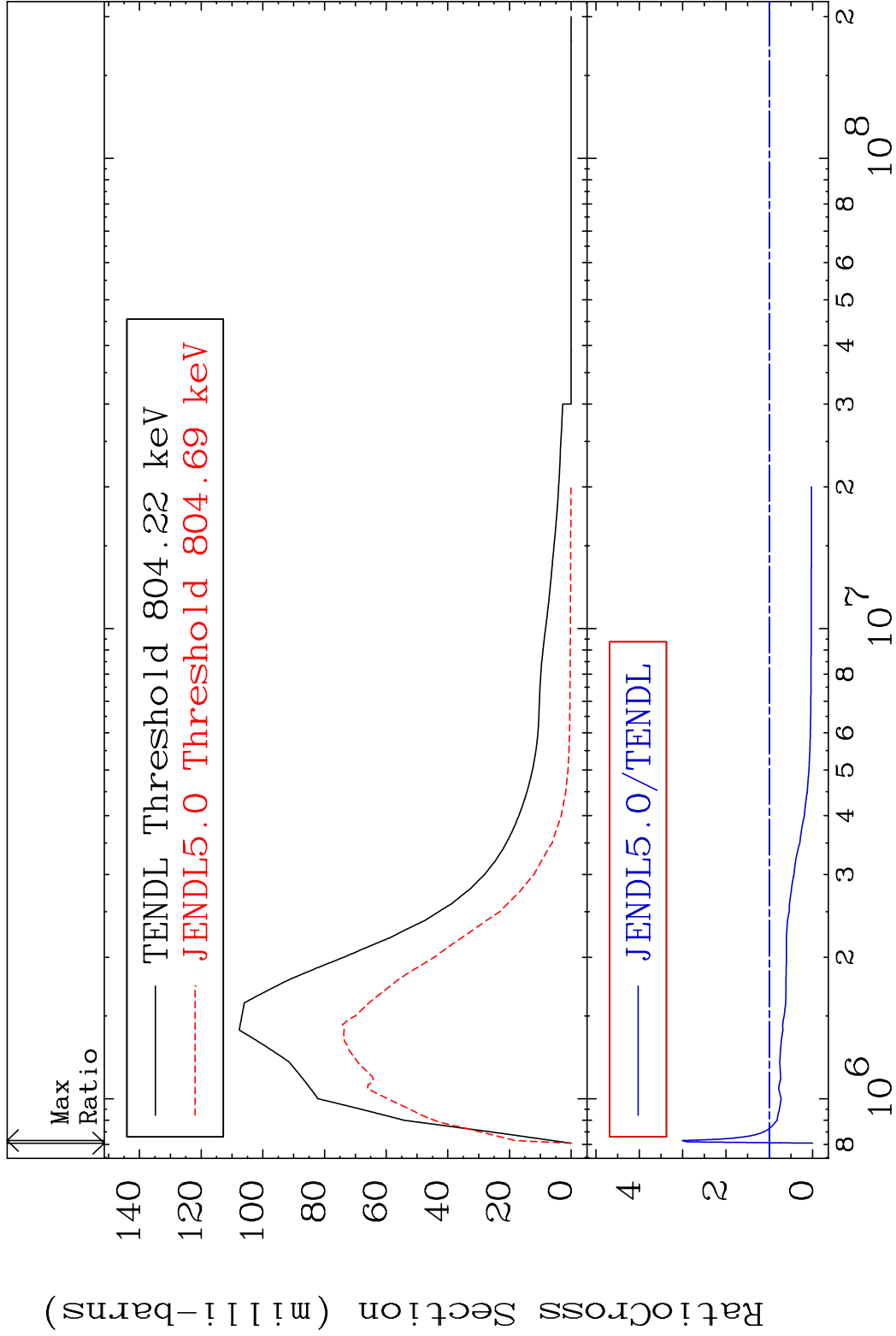




MAT 6234 MT= 54 (n,n') Level 62-Sm-147
Cross Section 49.81 To 559.8 %

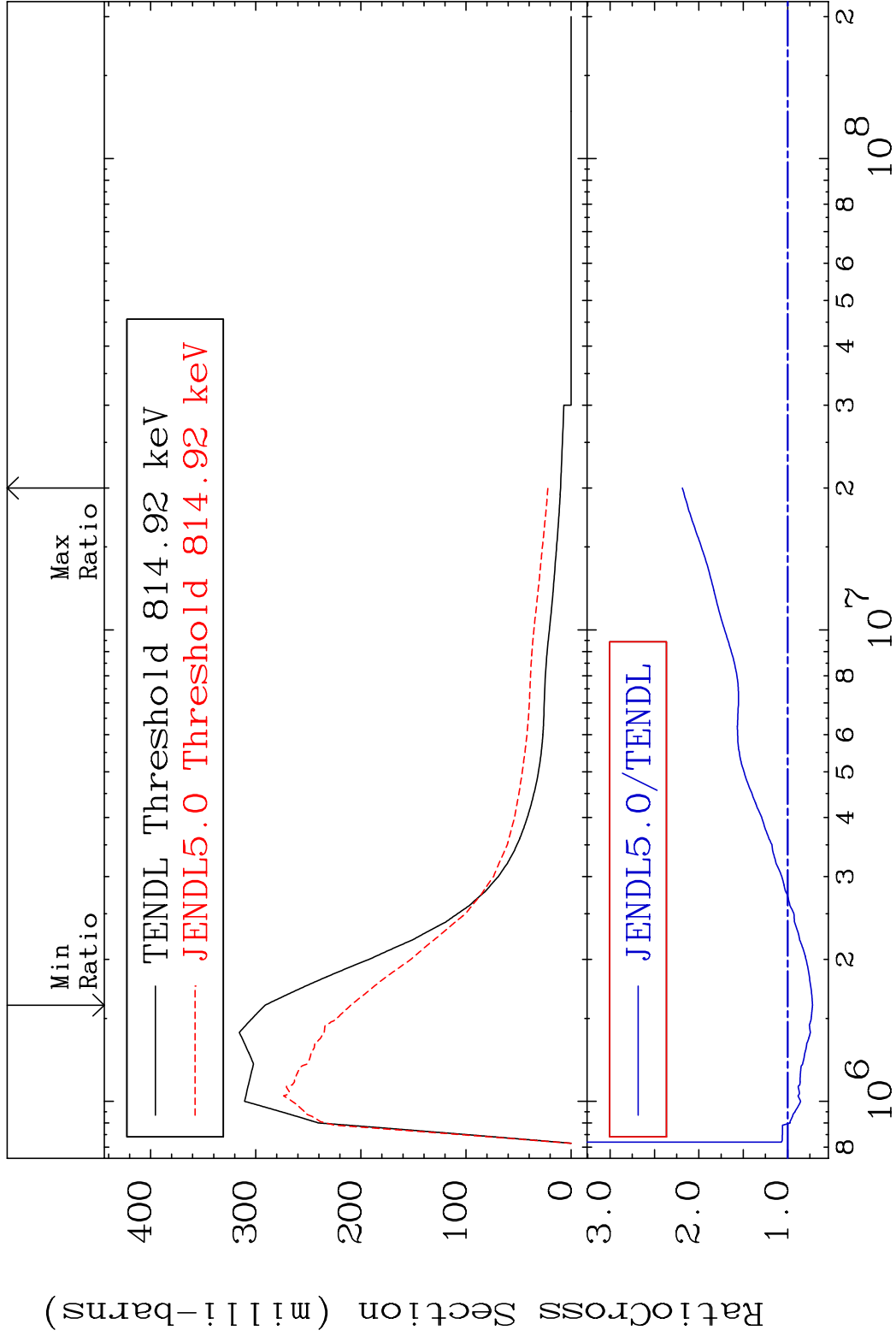


MAT 6234 MT= 55 (n,n') Level 62-Sm-147
Cross Section -100.0 To 200.6 %

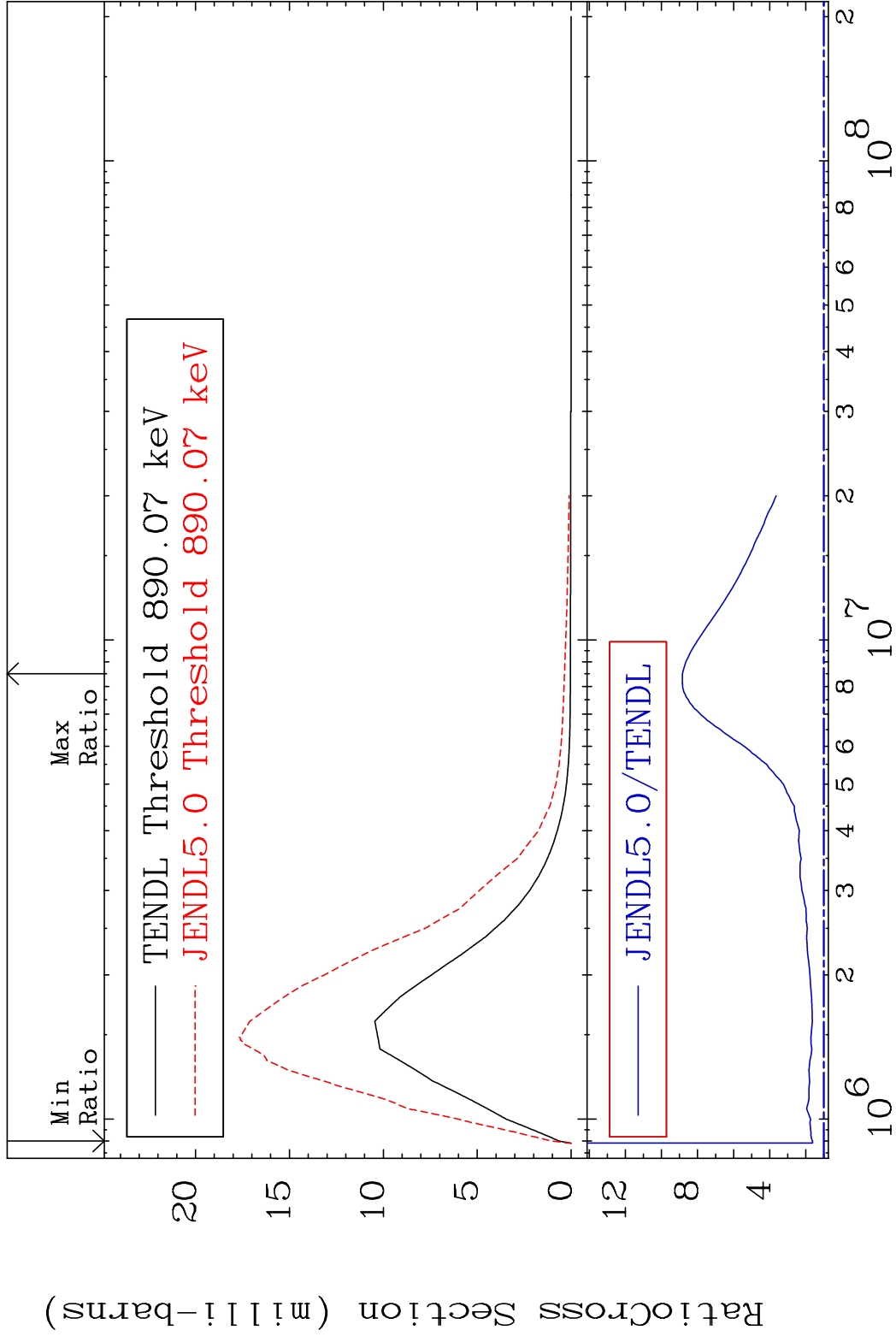


16 Incident Energy (eV) 62-Sm-147

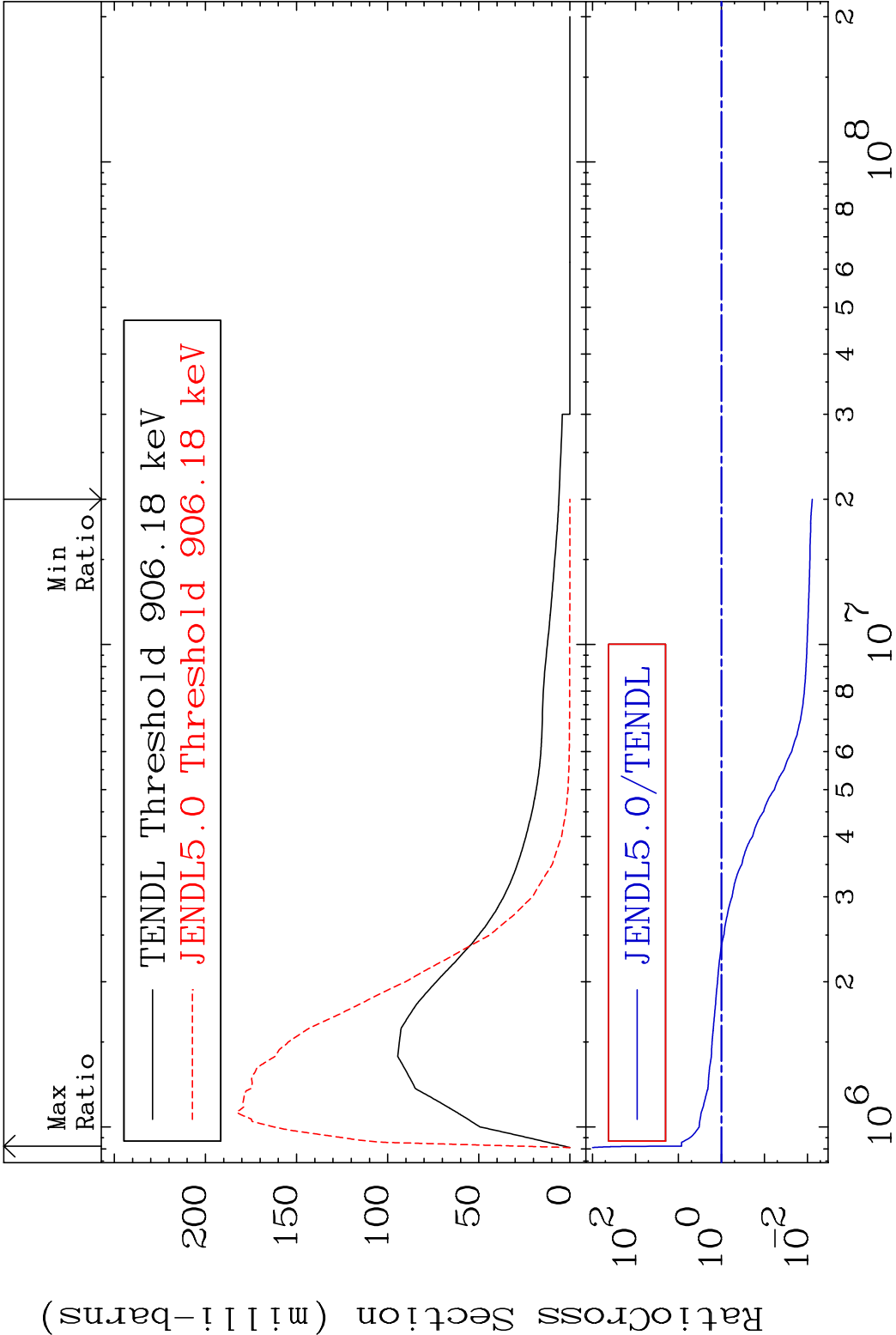
MAT 6234 MT= 56 (n,n') Level 62-Sm-147
Cross Section -28.02 To 118.6 %



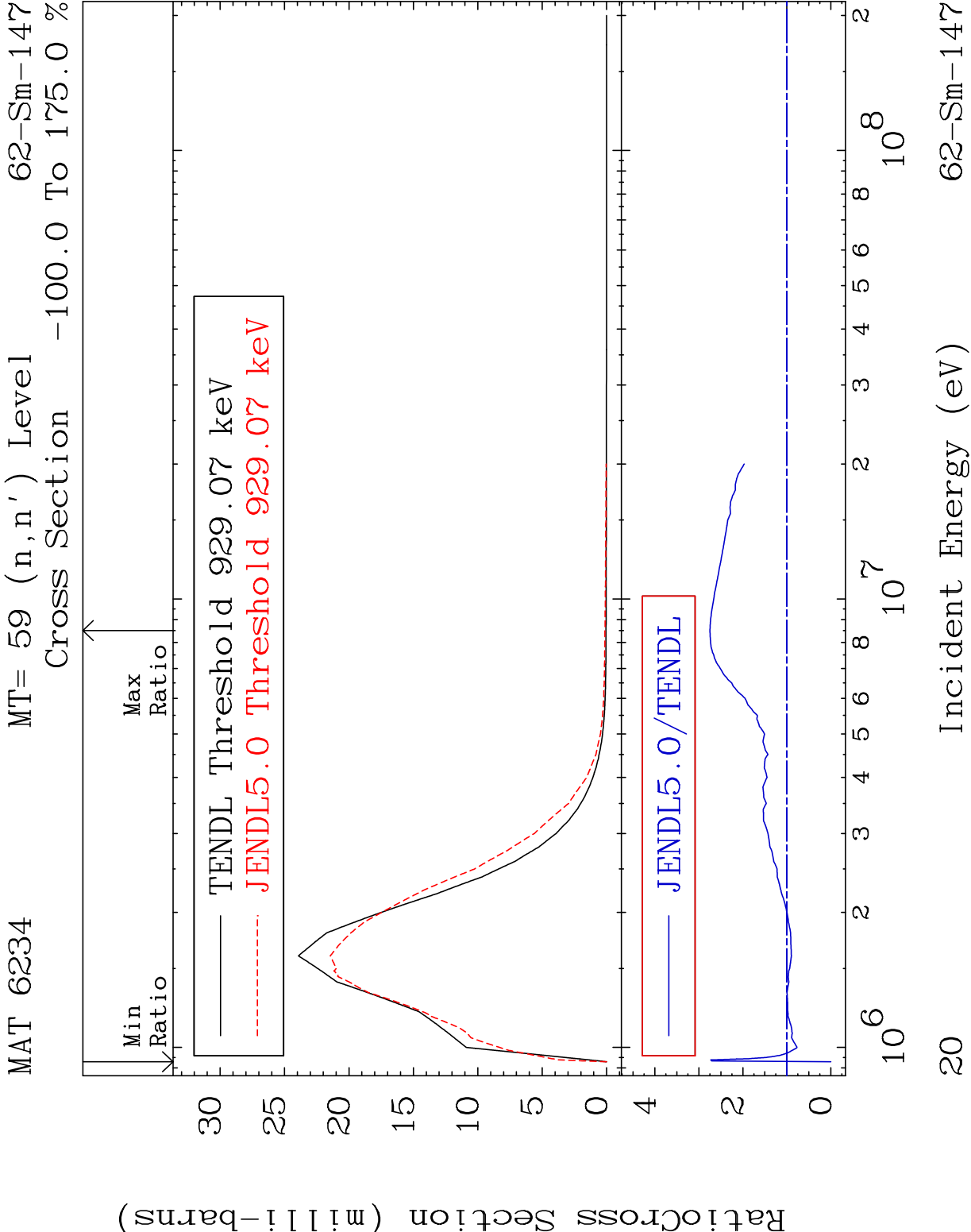
MAT 6234 MT= 57 (n,n') Level 62-Sm-147
Cross Section 62.32 To 784.2 %

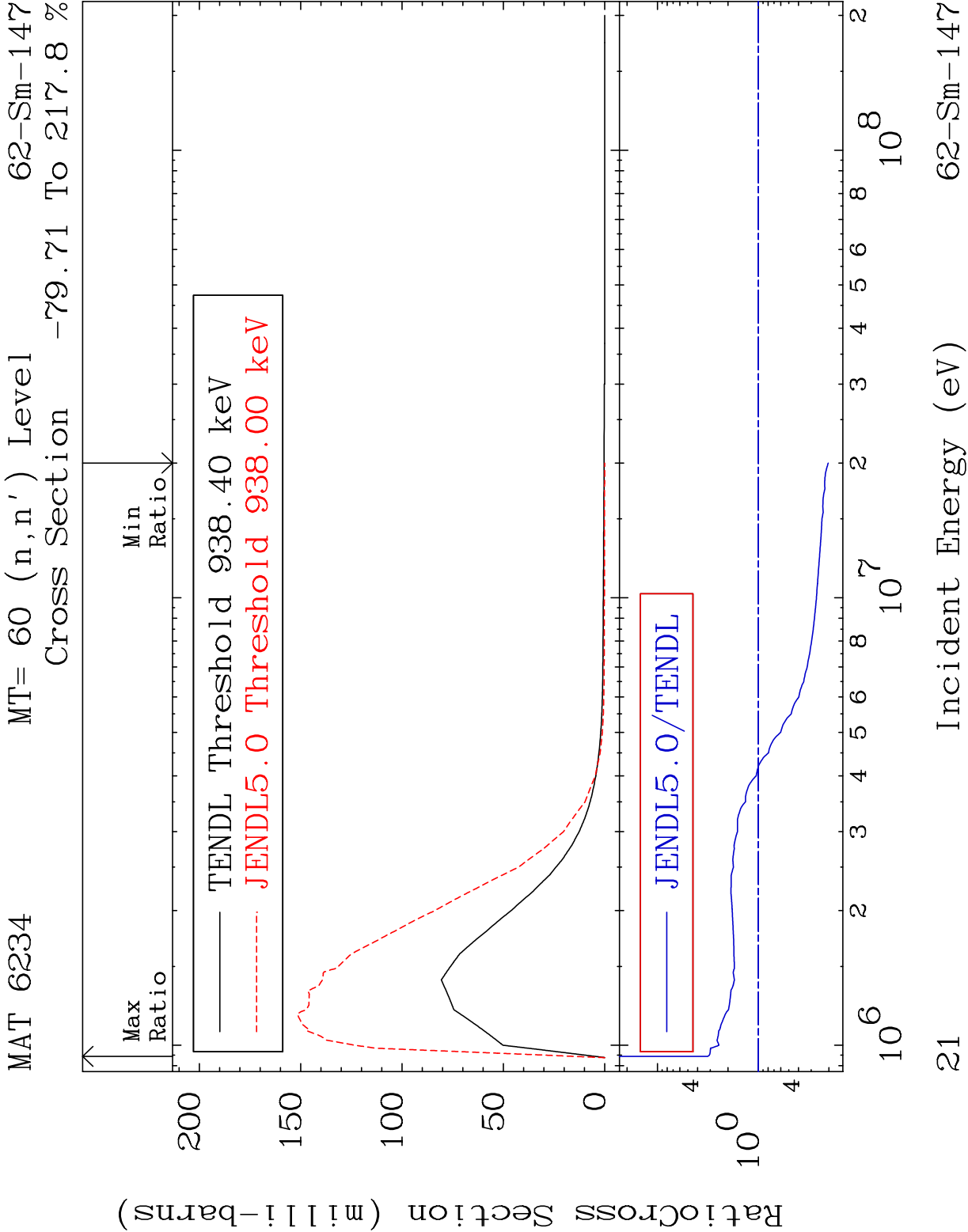


MAT 6234 MT= 58 (n,n') Level 62-Sm-147
Cross Section -99.23 To 747.8 %



19 Incident Energy (eV) 62-Sm-147





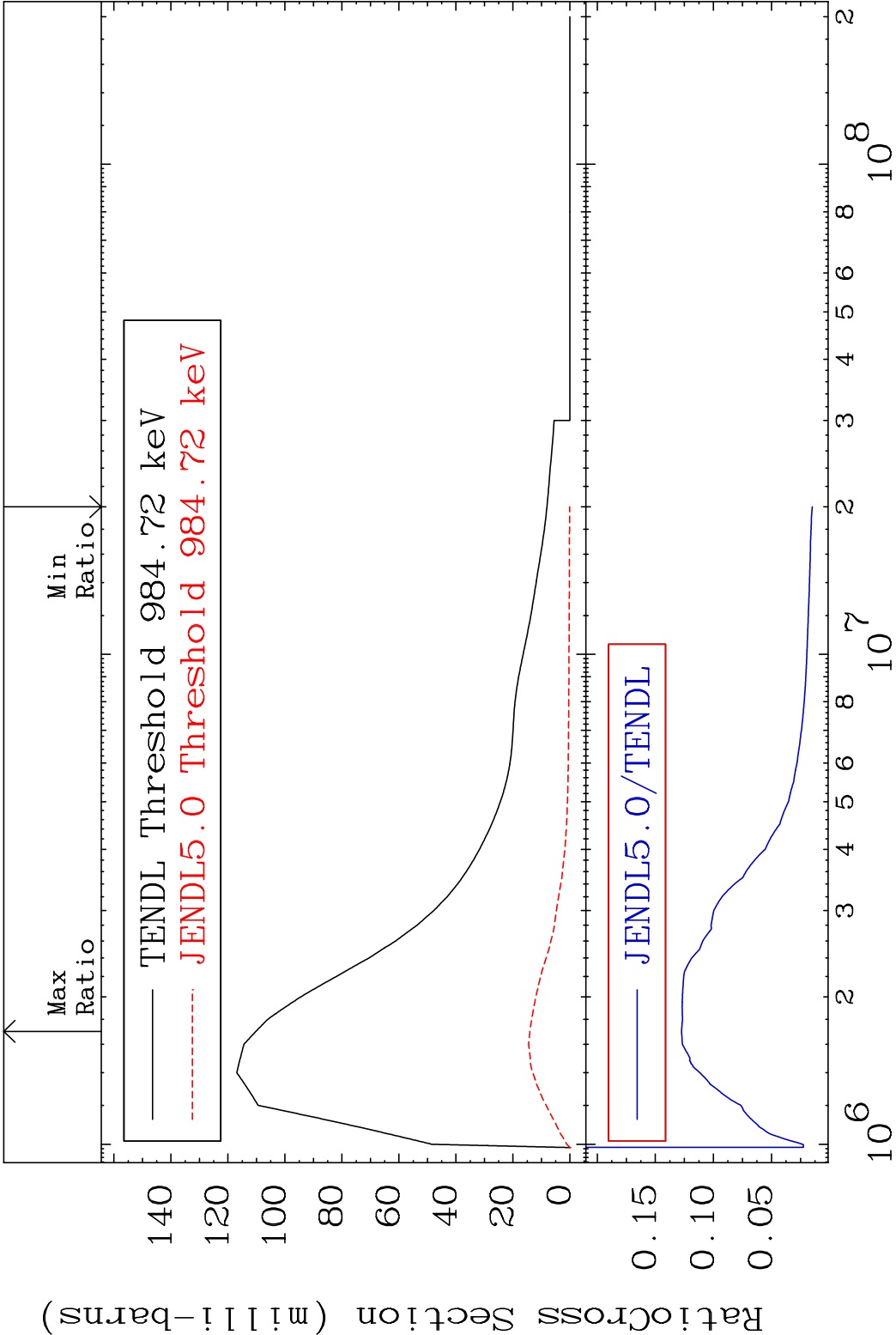
MAT 6234

MT= 61 (n,n') Level

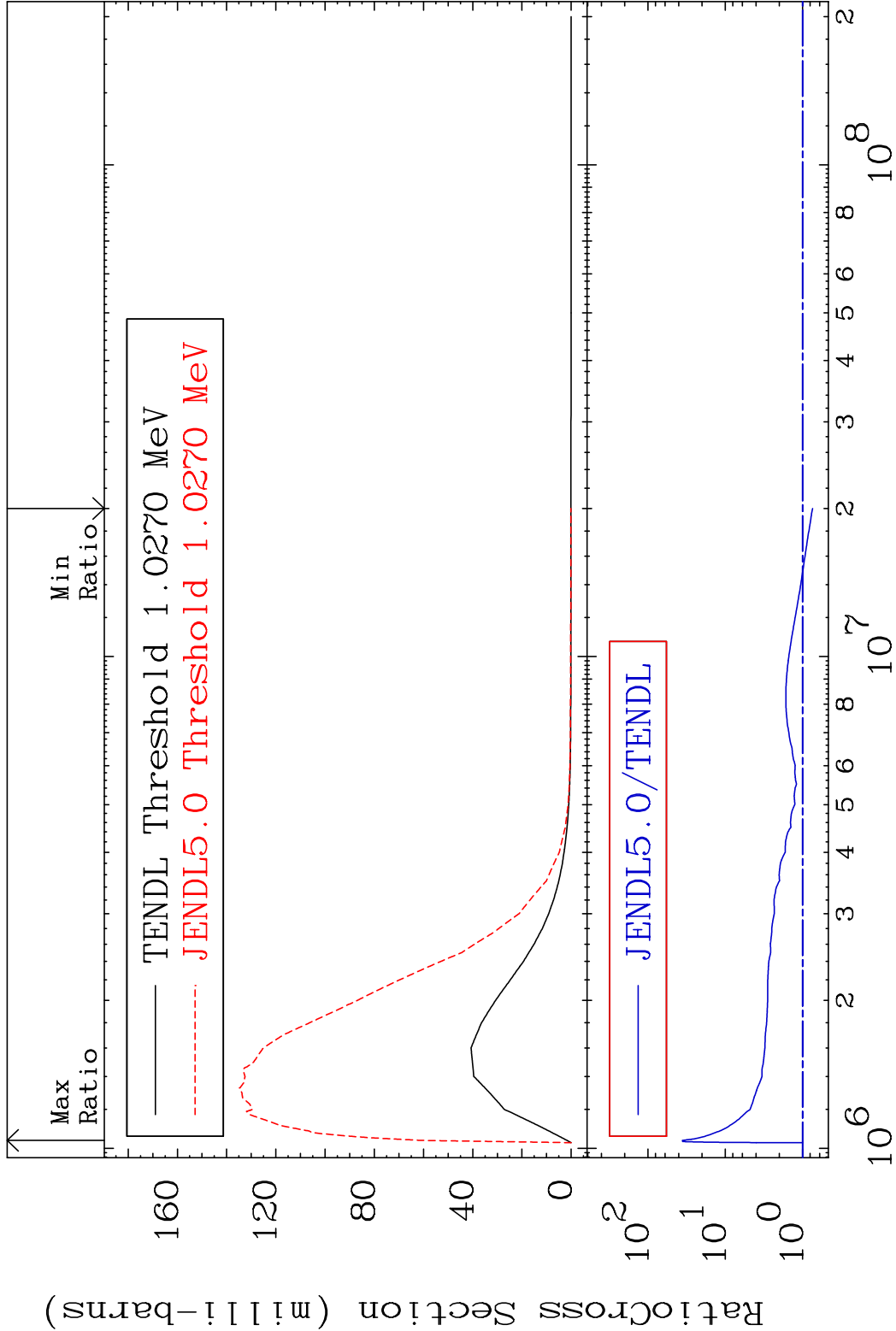
62-Sm-147

Cross Section

-98.51 To -87.26%

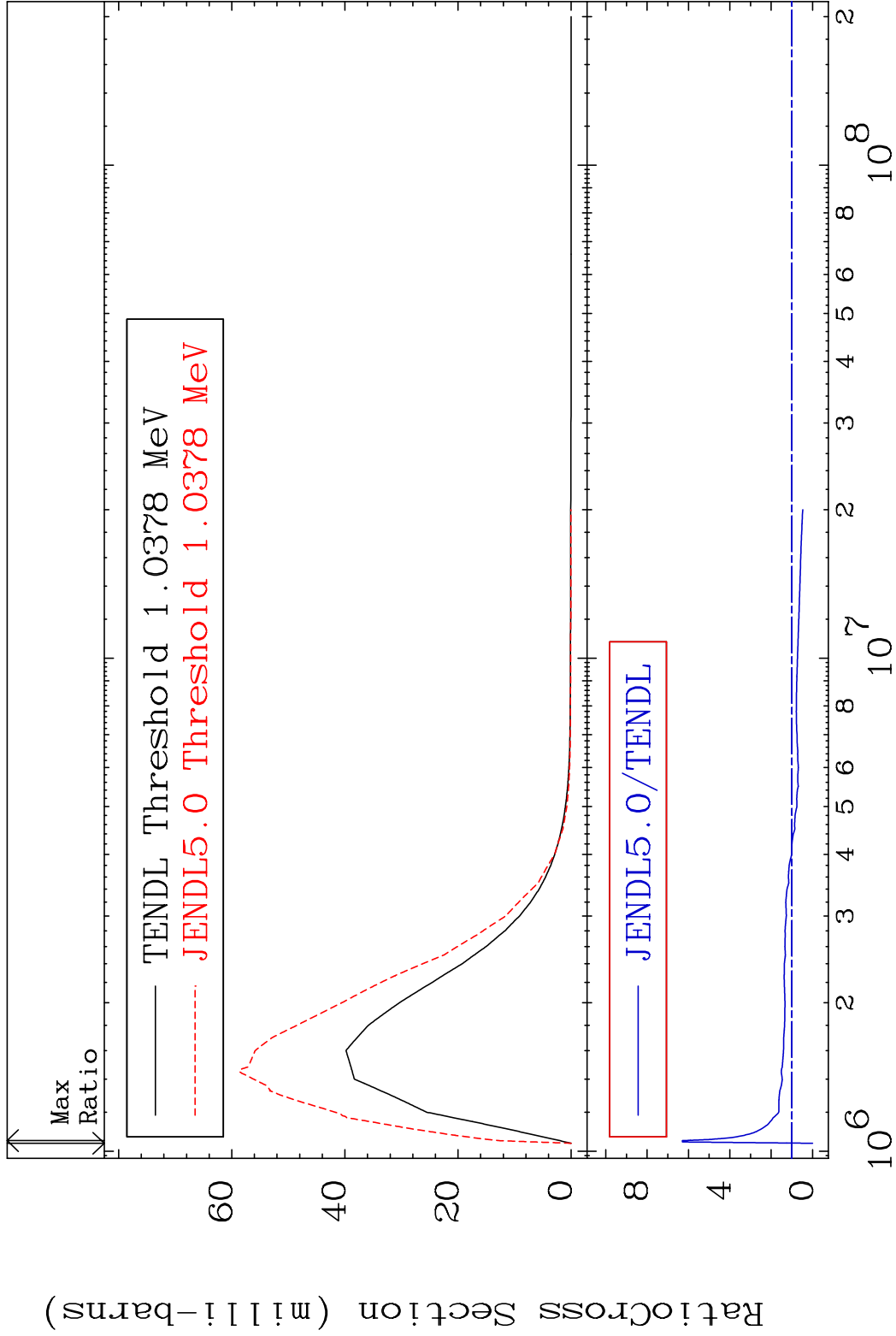


MAT 6234 MT= 62 (n,n') Level 62-Sm-147
Cross Section -25.72 To 3493. %



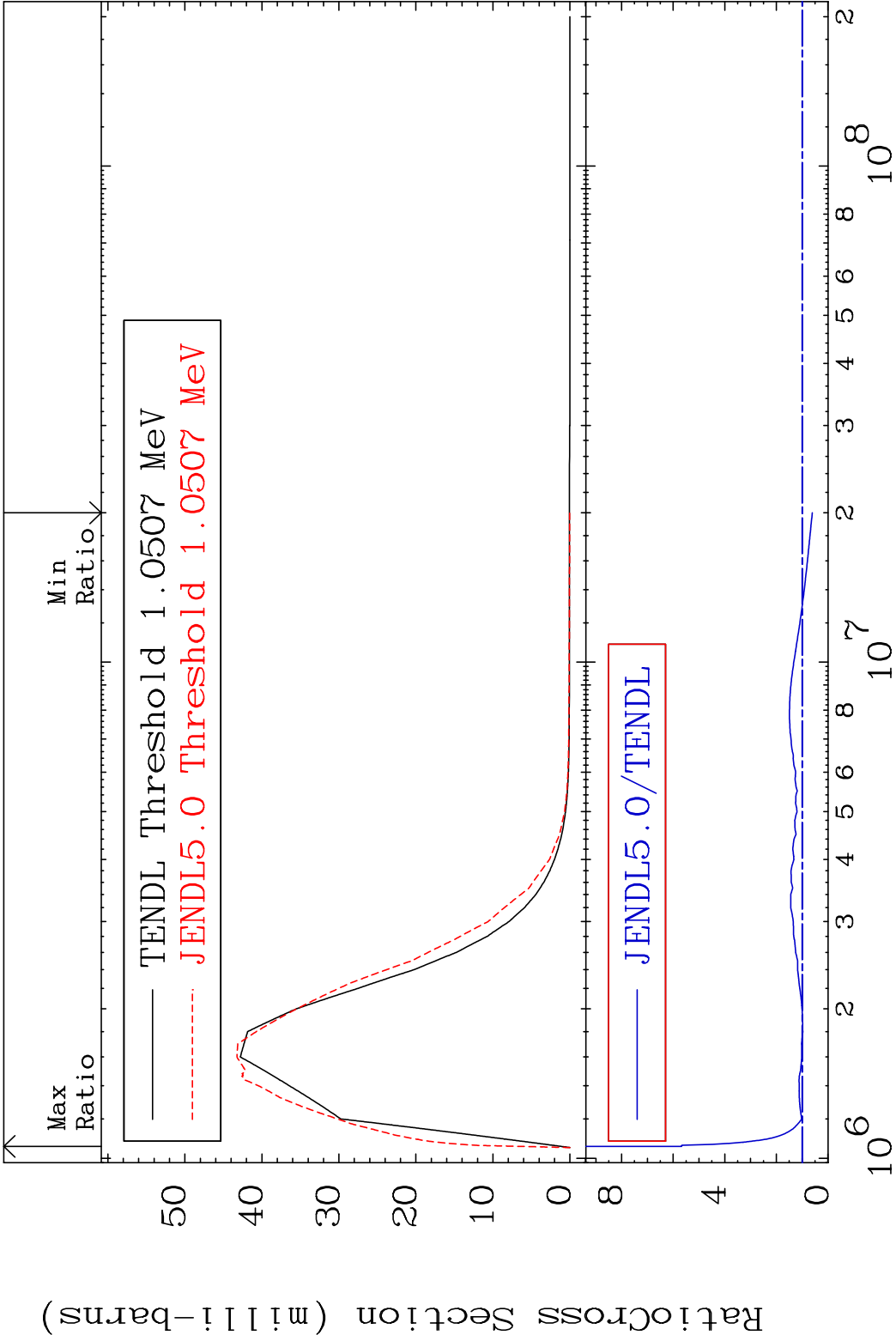
62-Sm-147

MAT 6234 MT= 63 (n,n') Level 62-Sm-147
Cross Section -100.0 To 529.7 %

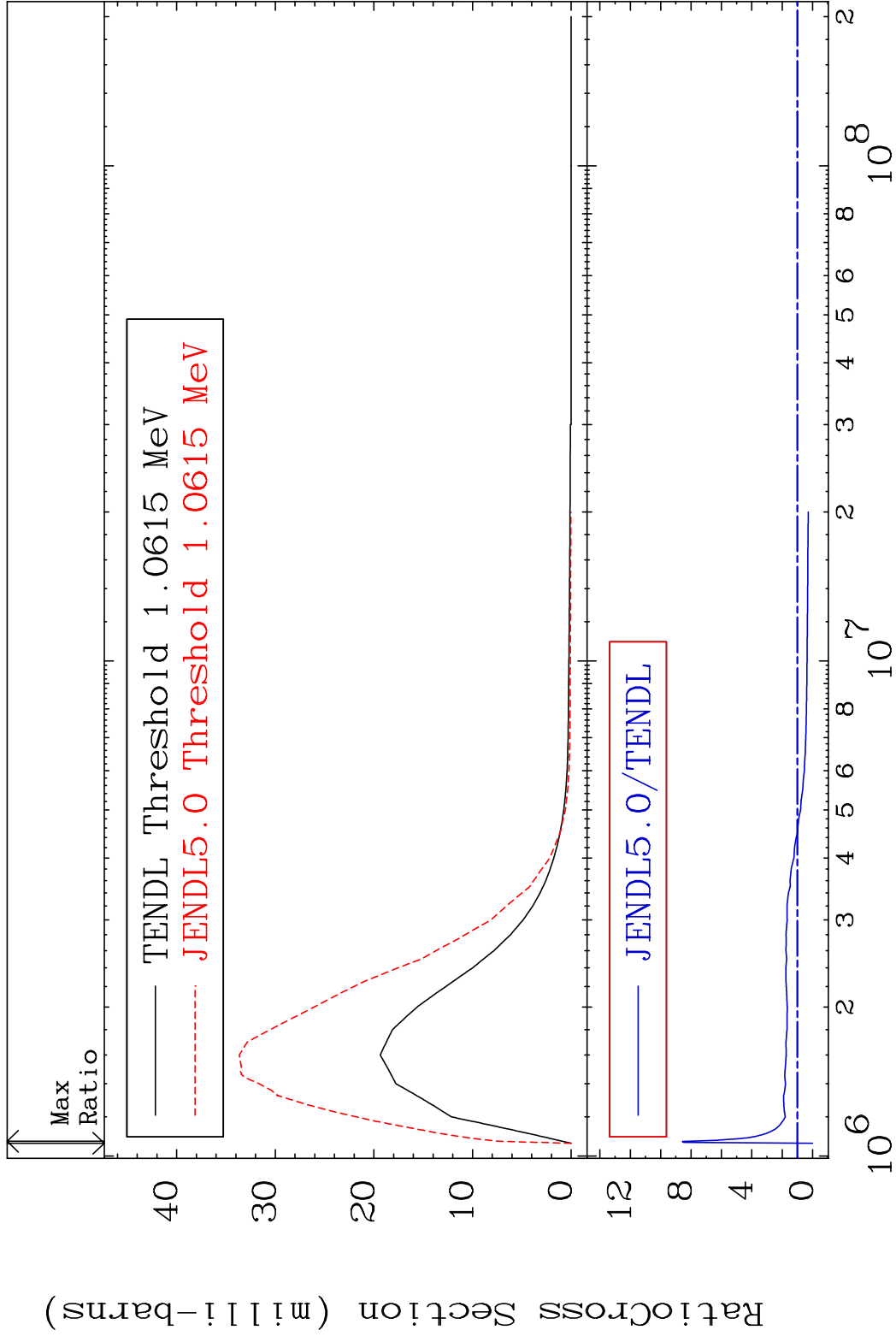


24 Incident Energy (eV) 62-Sm-147

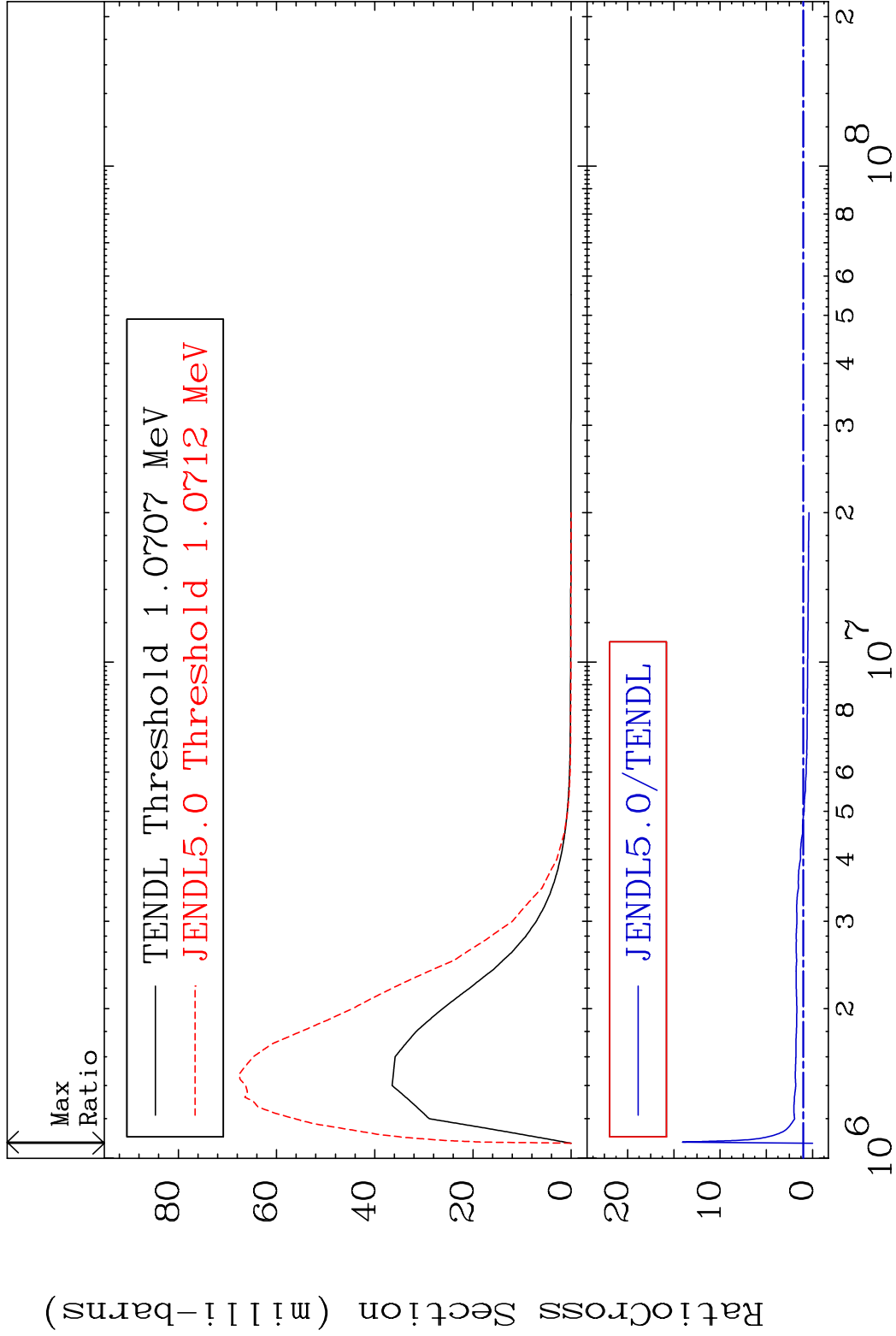
MAT 6234	MT= 64 (n,n')	Level	62-Sm-147
	Cross Section	-39.28 To 467.7 %	

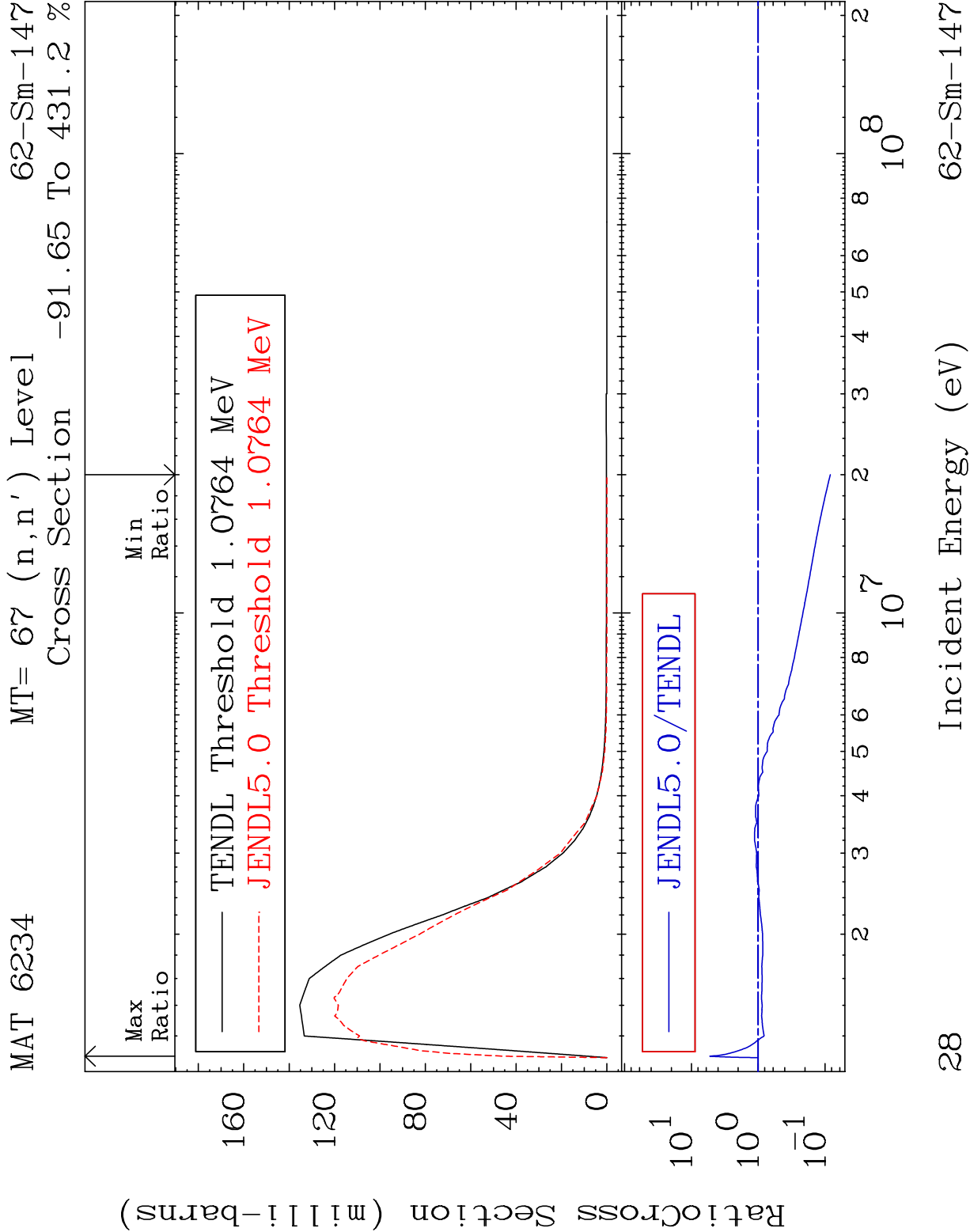


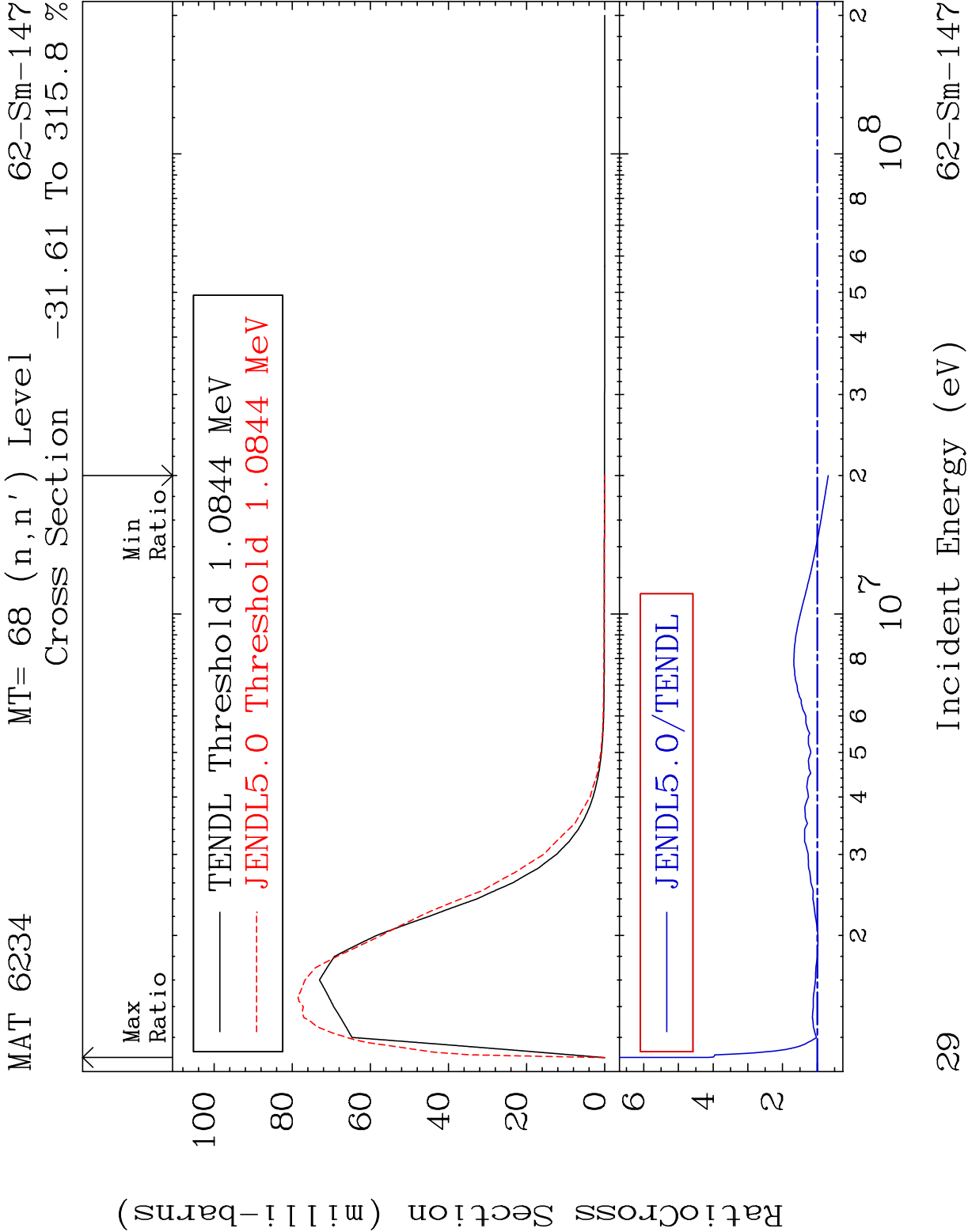
MAT 6234 MT= 65 (n,n') Level 62-Sm-147
Cross Section -100.0 To 757.2 %

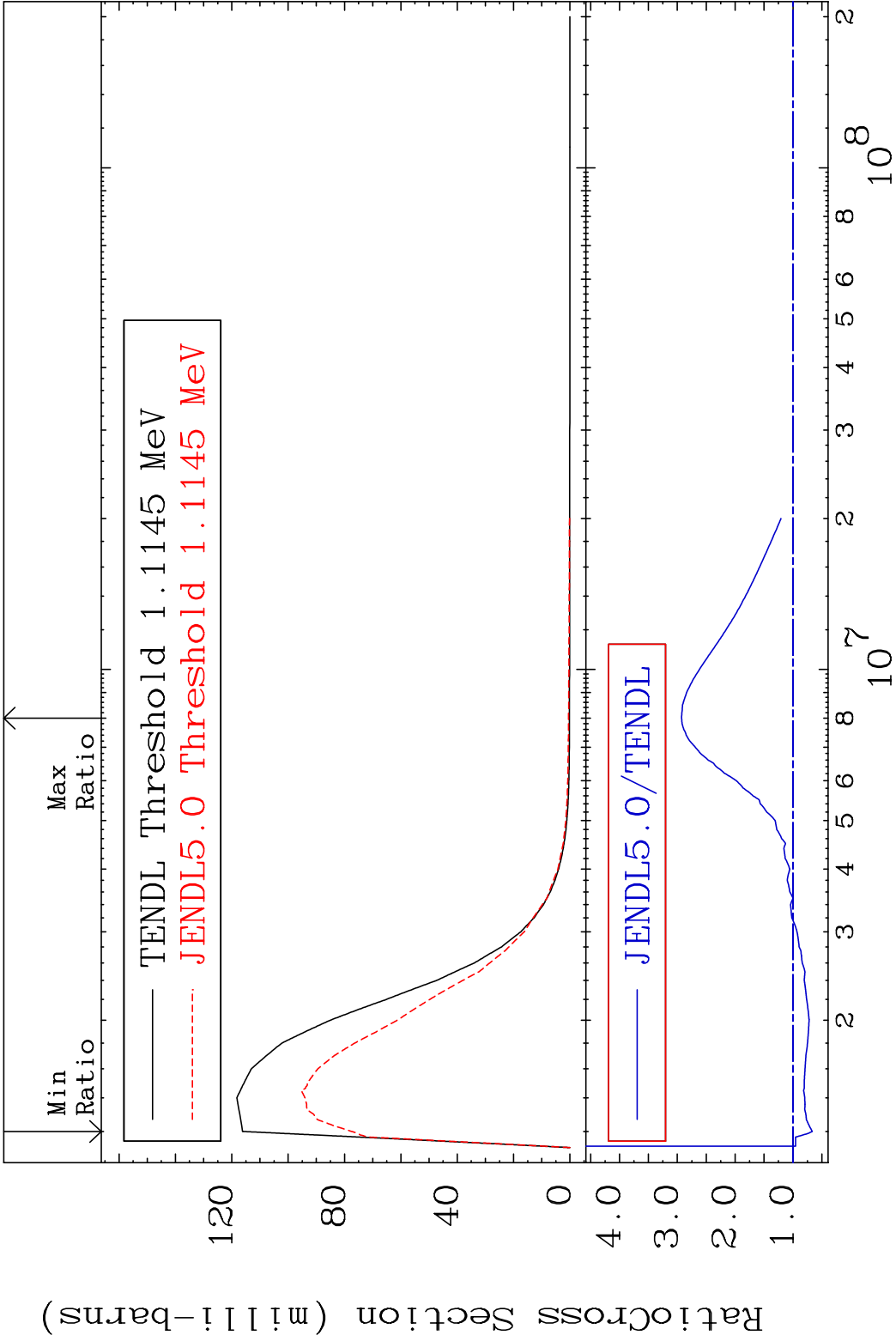


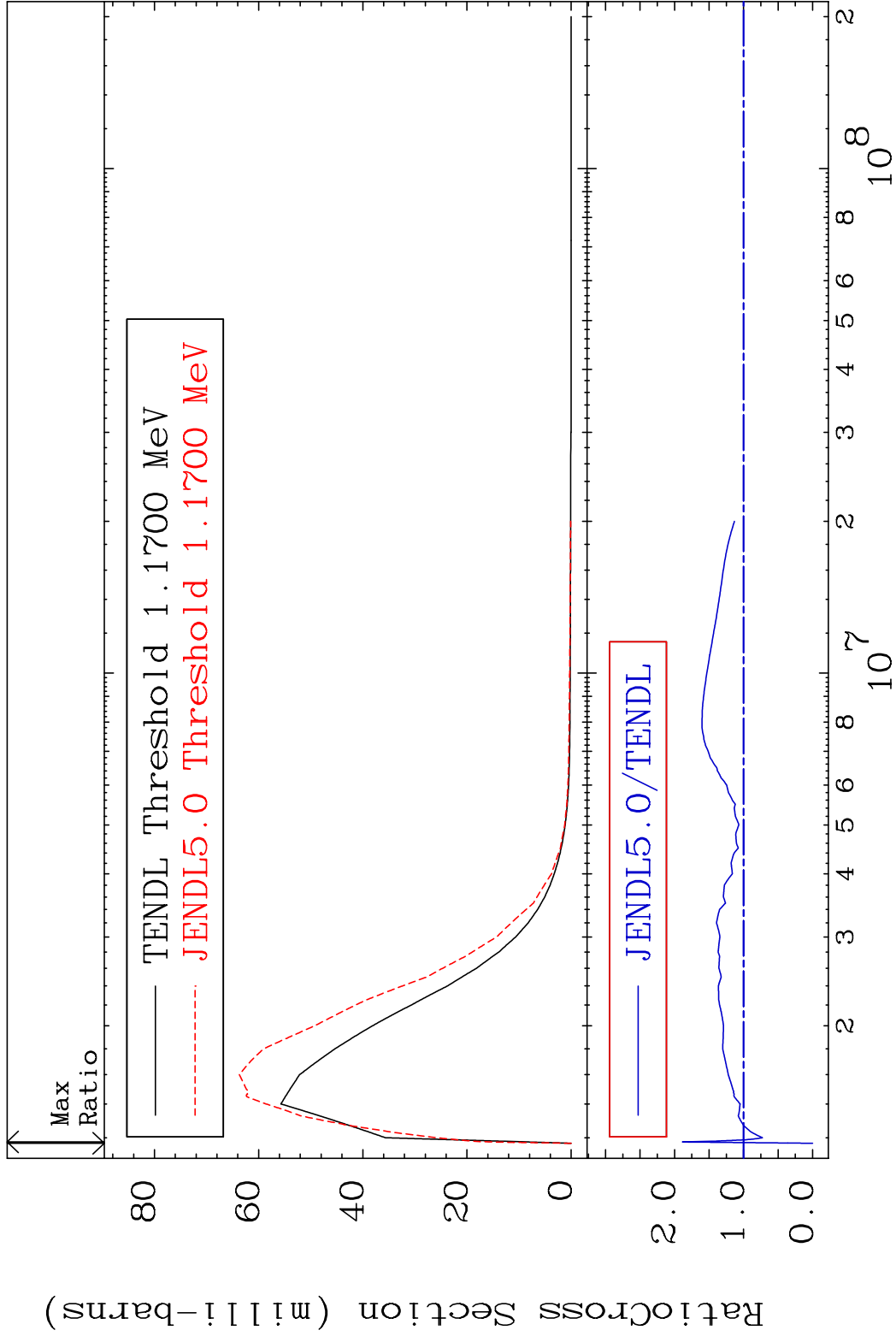
MAT 6234 MT= 66 (n,n') Level 62-Sm-147
Cross Section -100.0 To 1308. %

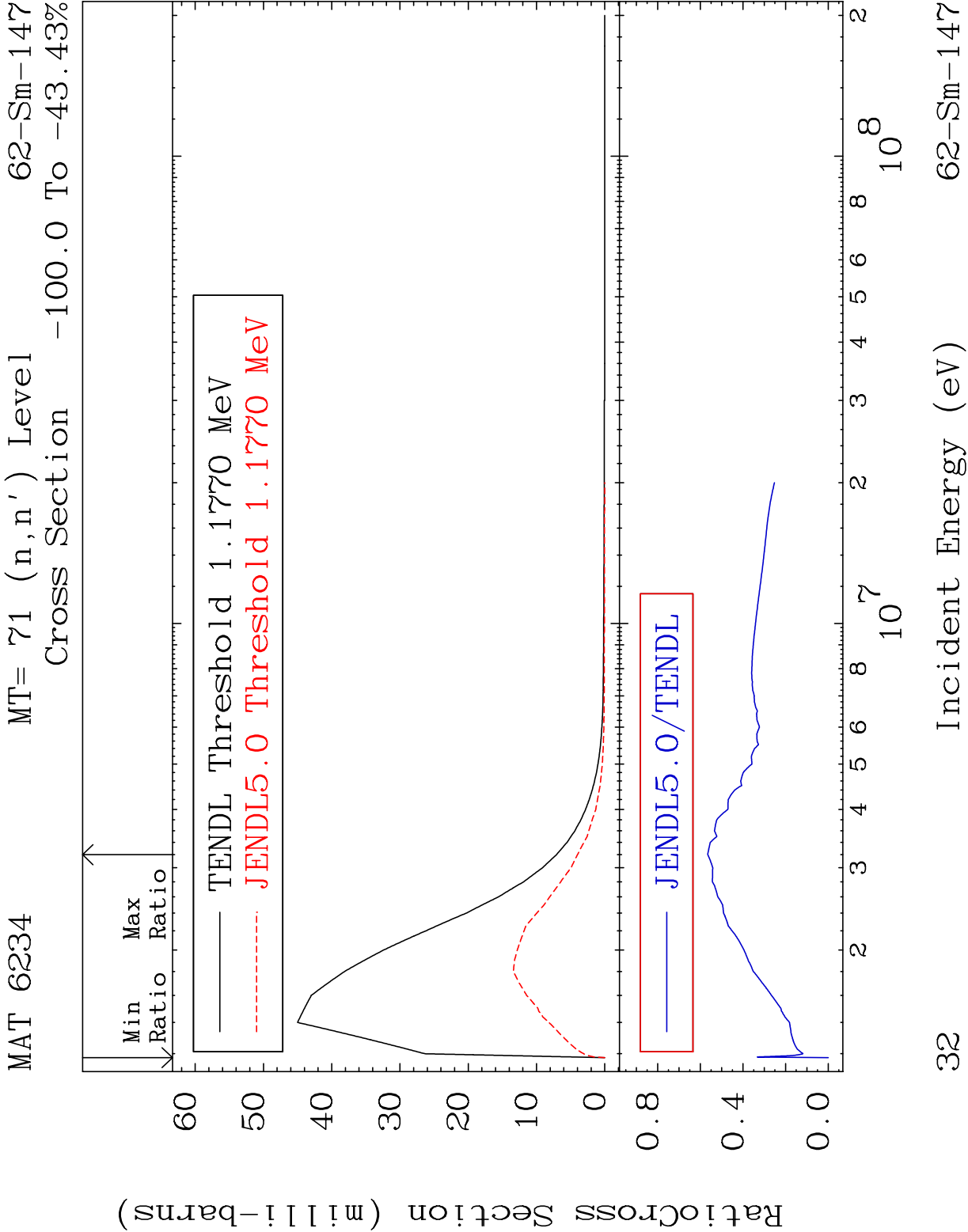


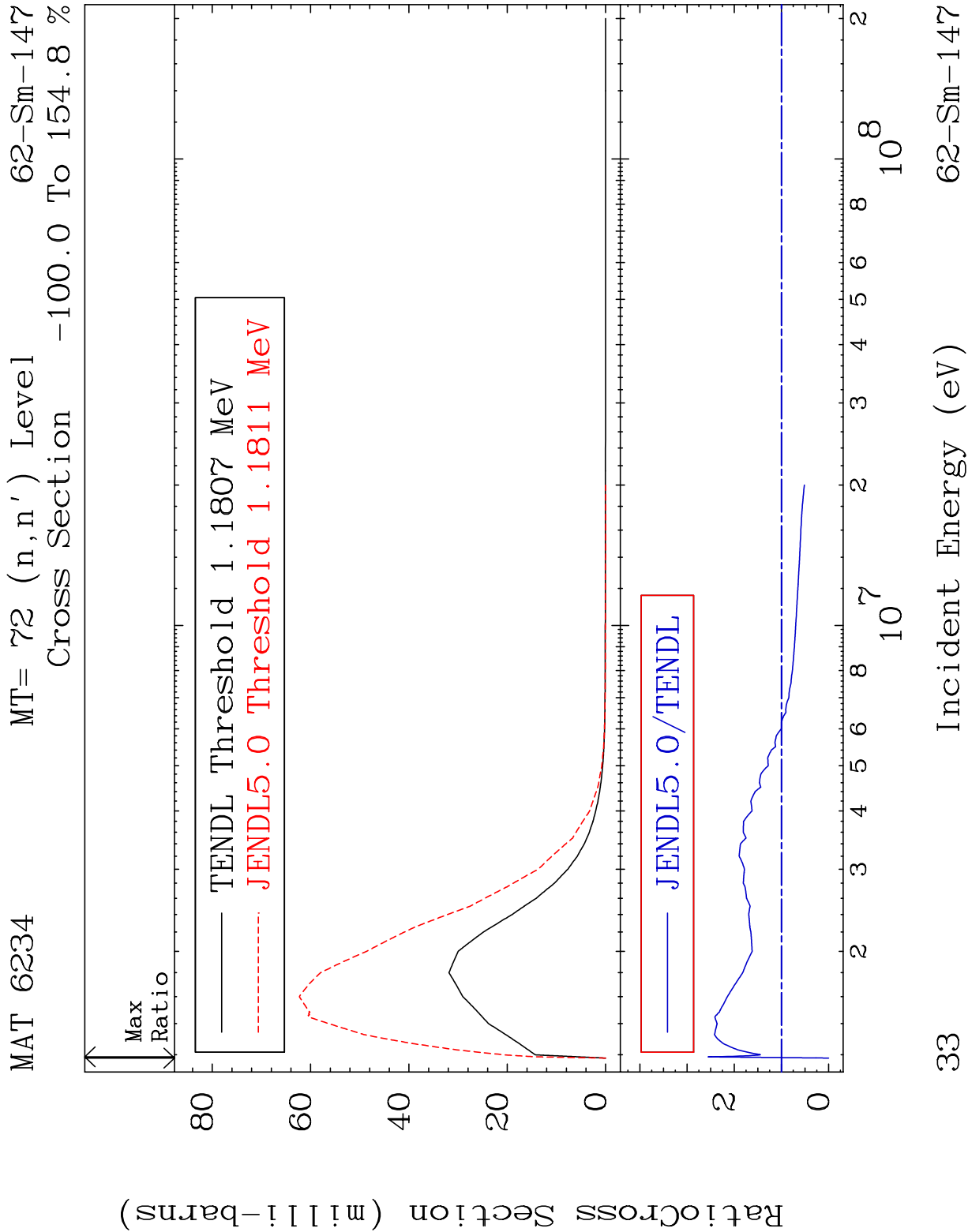




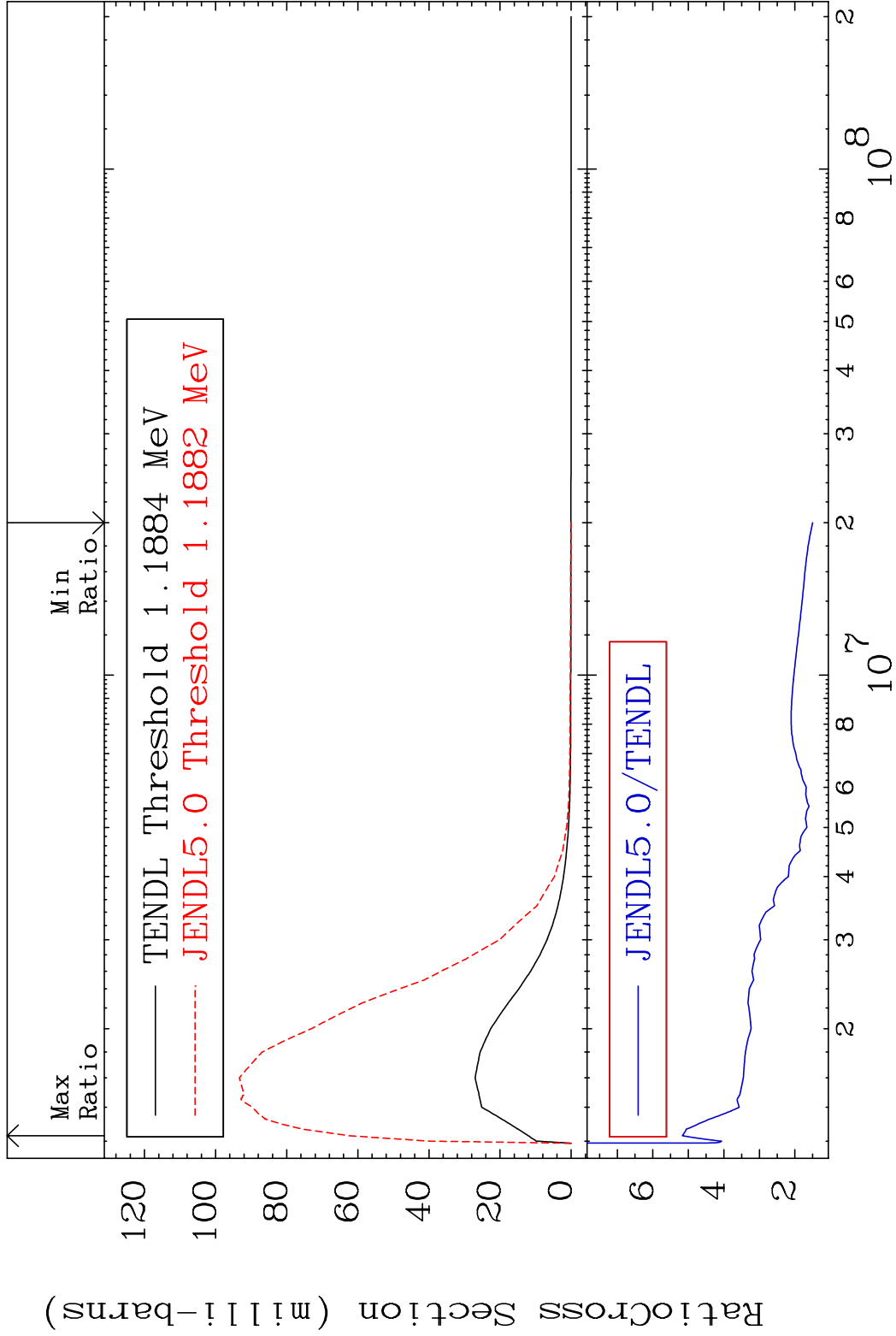


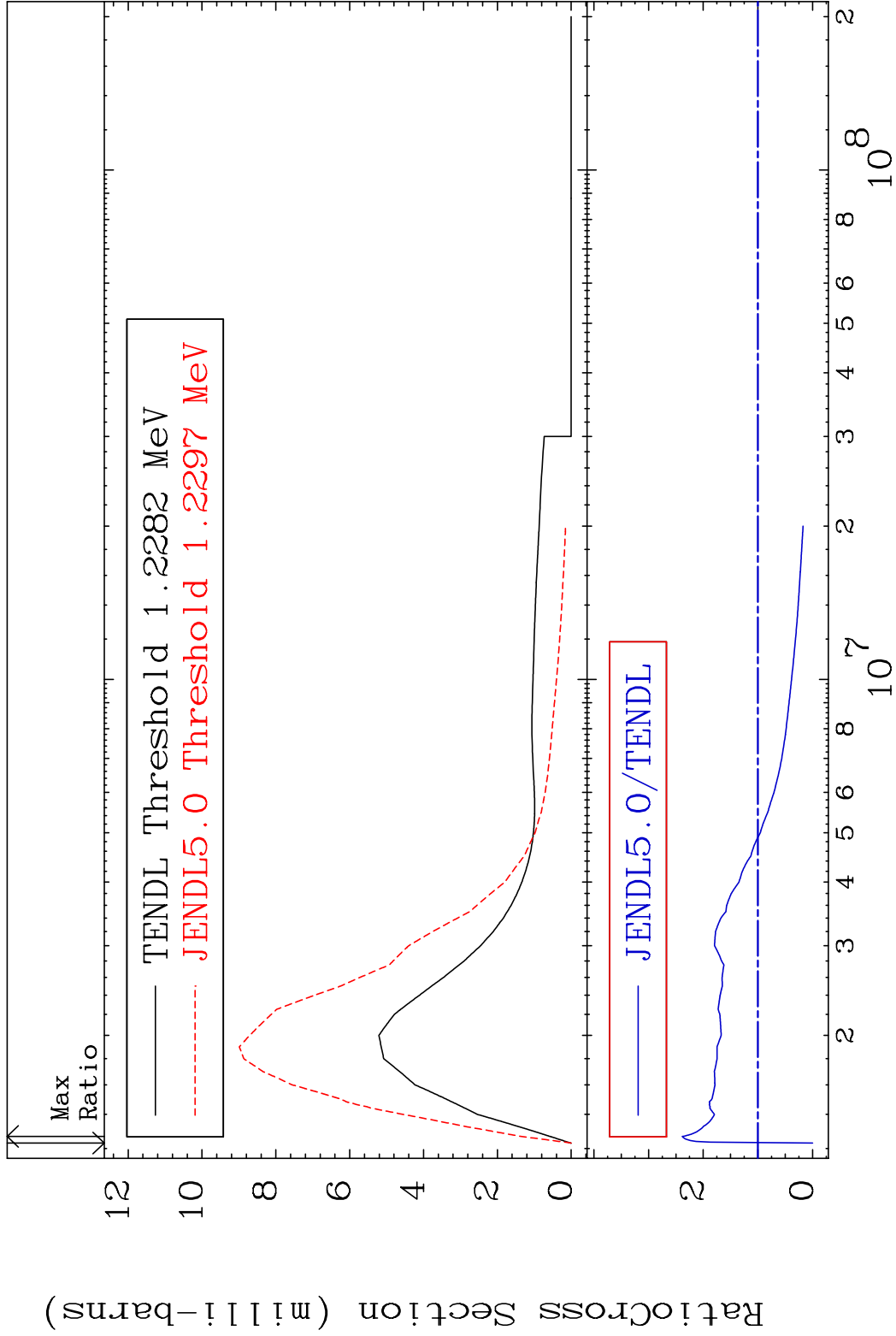




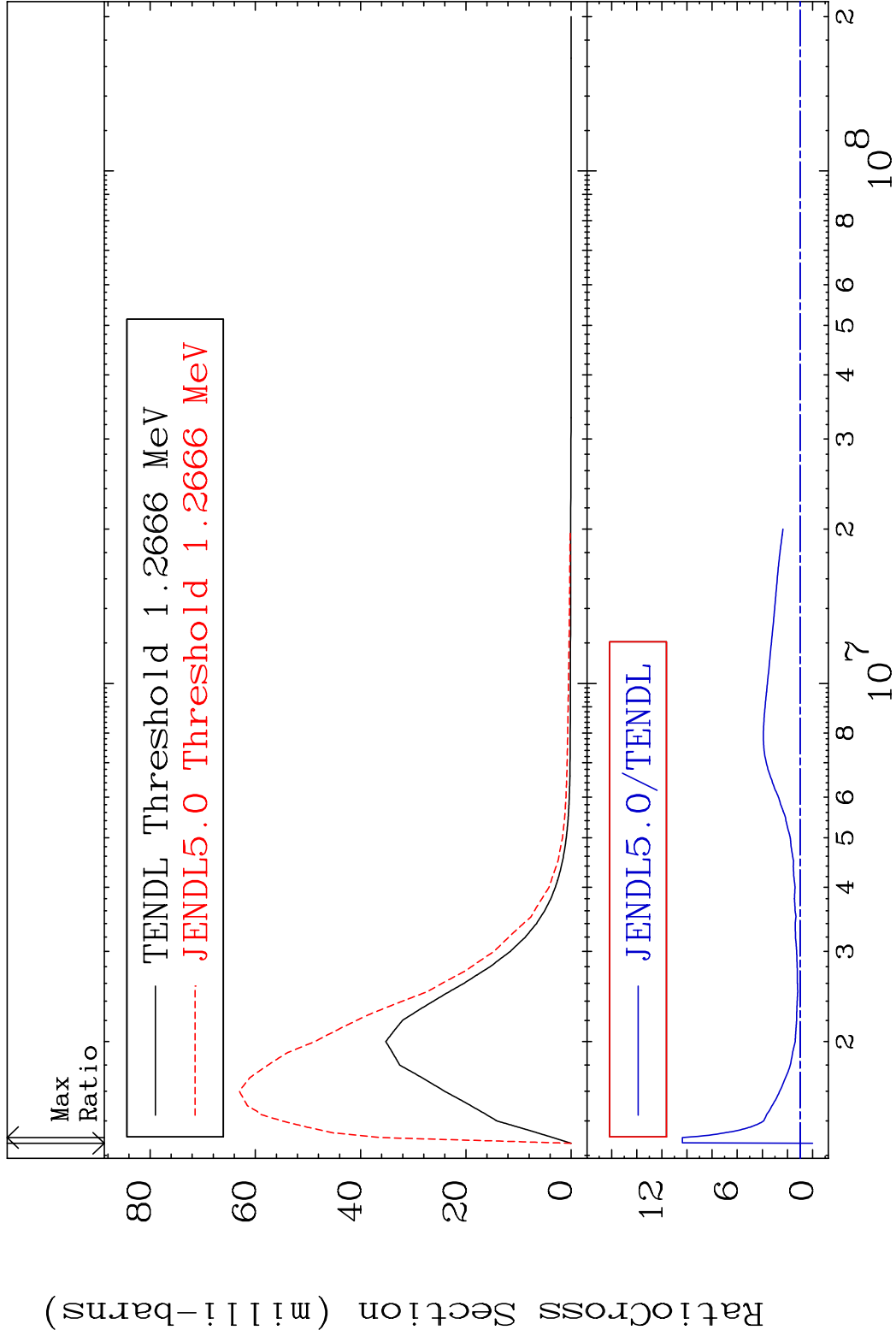


MAT 6234 MT= 73 (n,n') Level 62-Sm-147
Cross Section 50.35 To 416.8 %





MAT 6234 MT= 75 (n,n') Level 62-Sm-147
 Cross Section -100.0 To 937.0 %



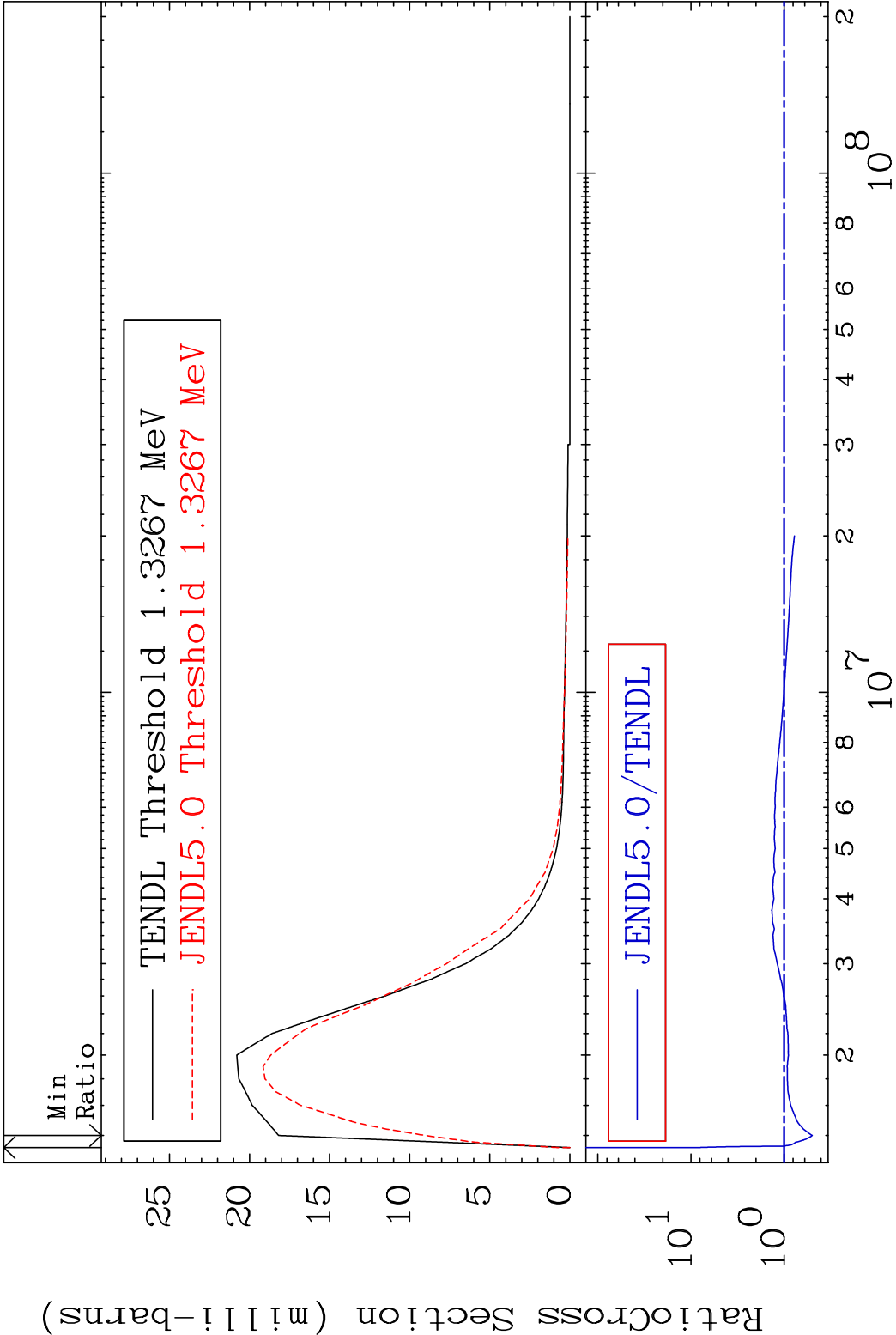
MAT 6234

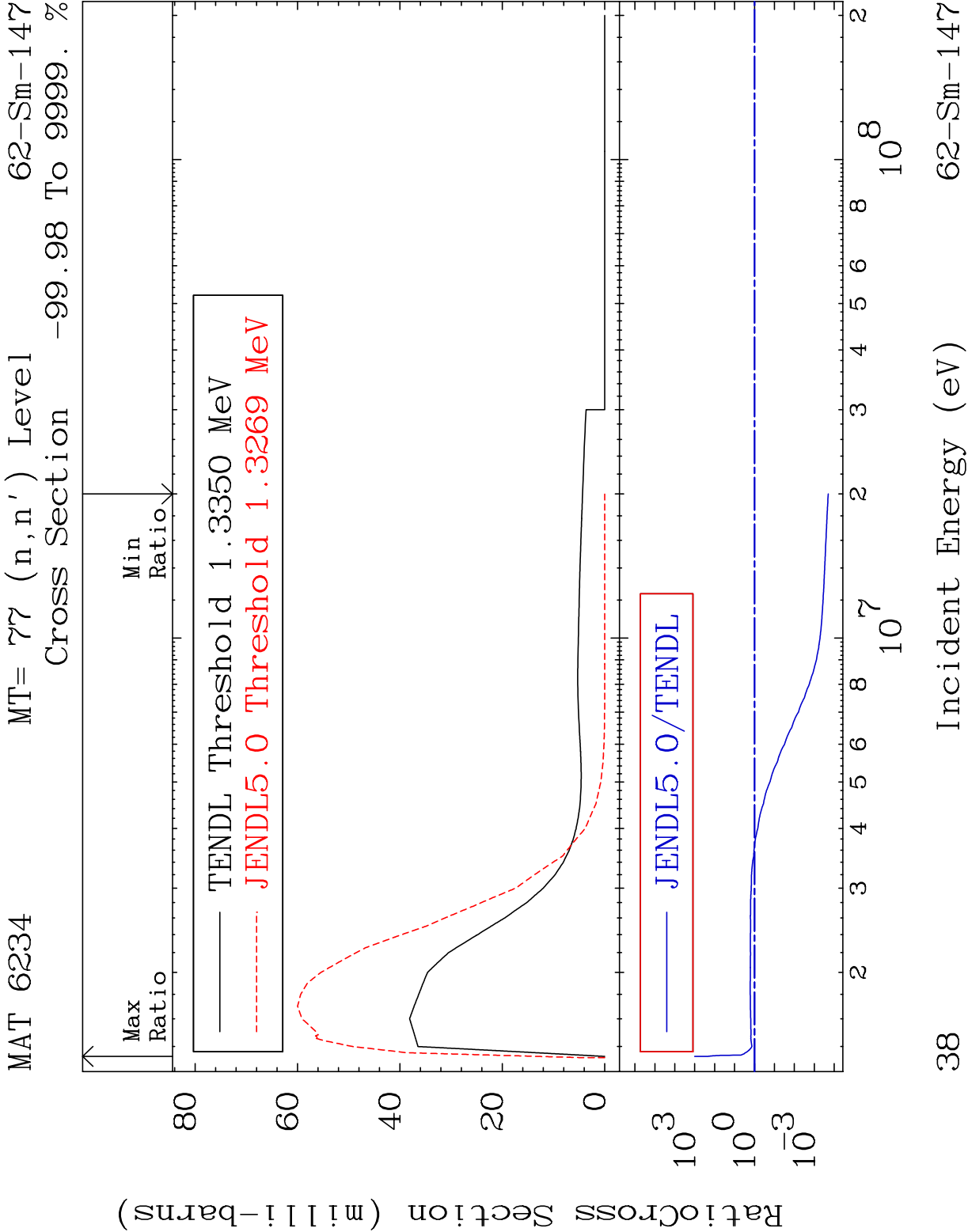
MT= 76 (n,n') Level

62-Sm-147

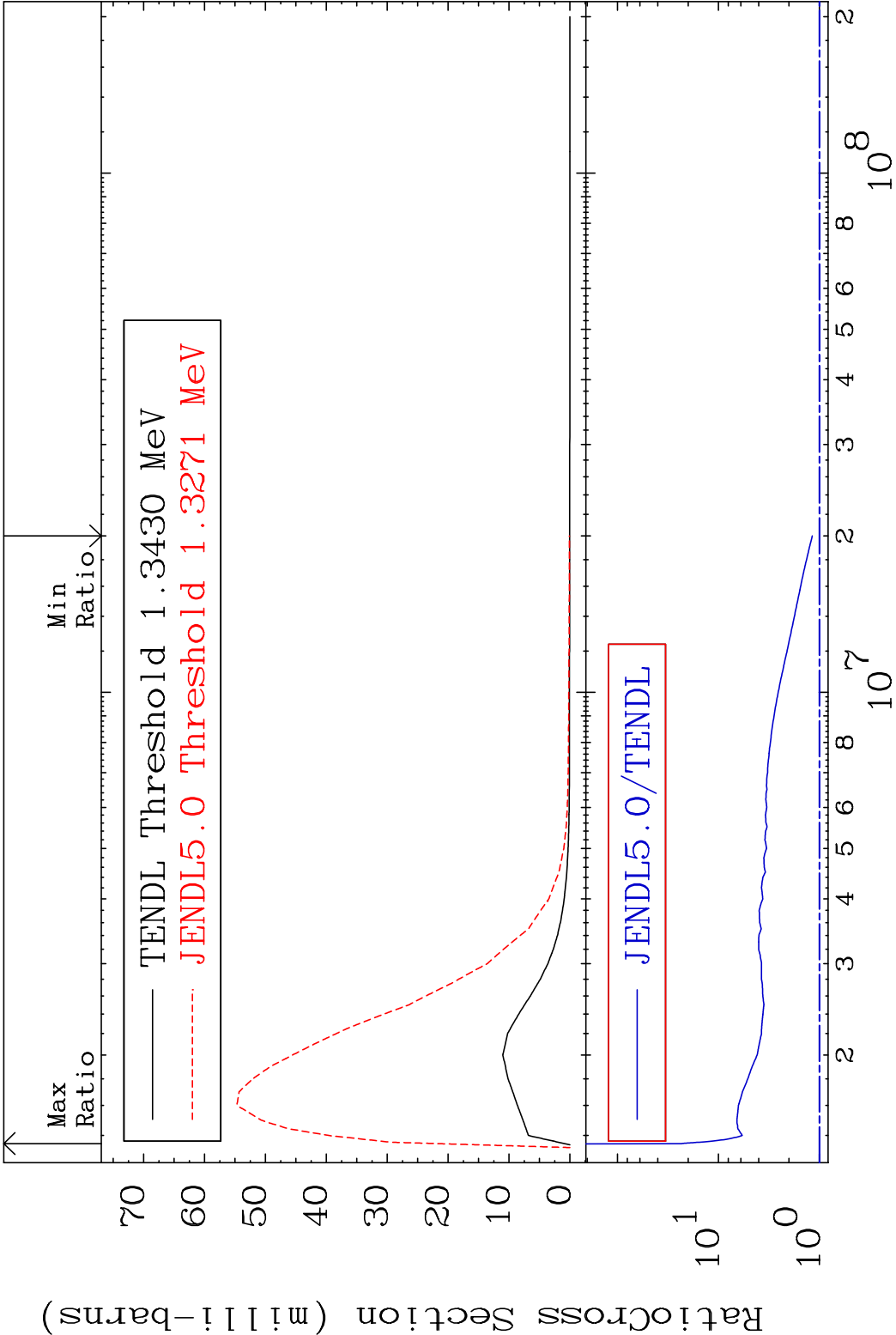
Cross Section

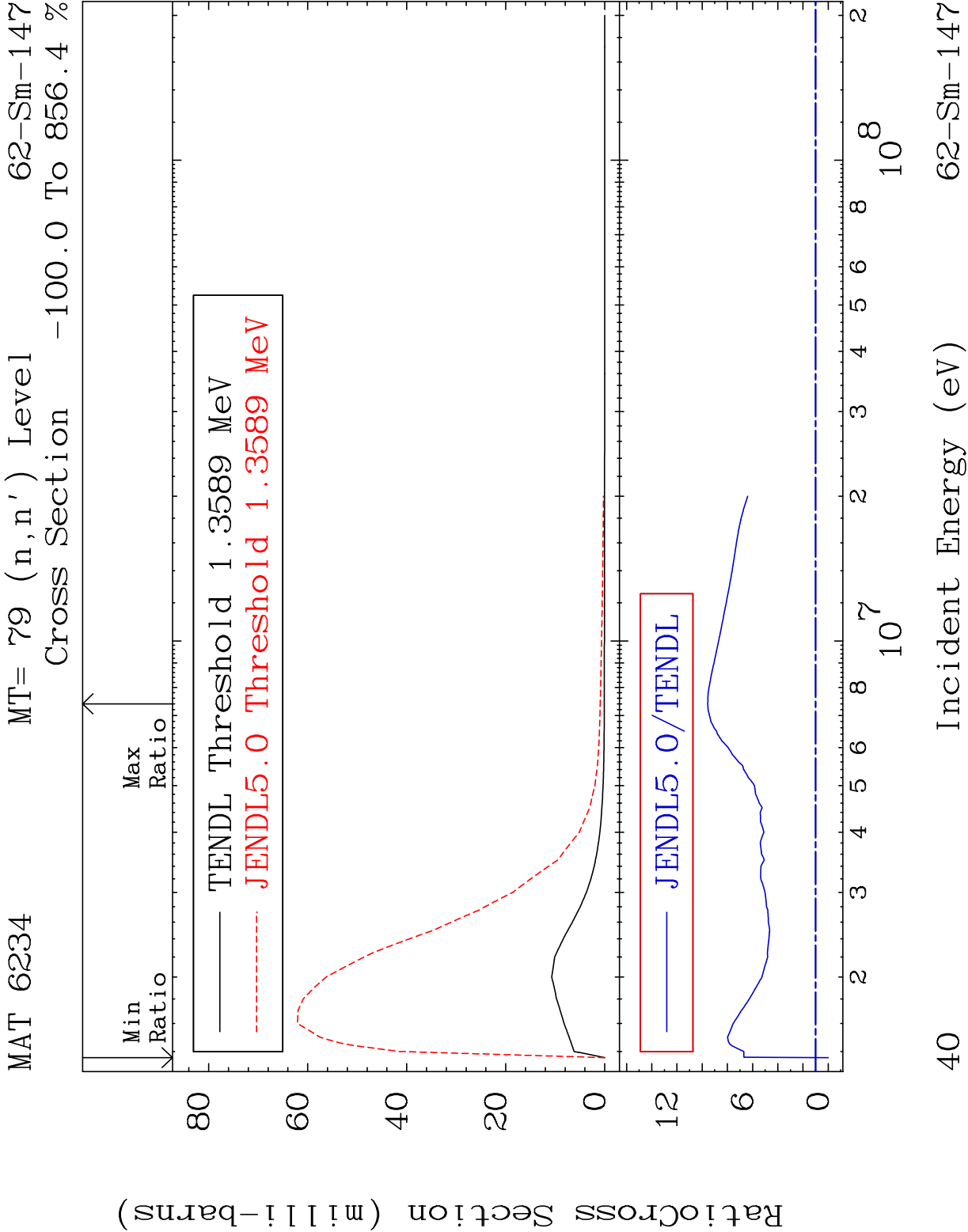
-50.24 To 1161. %



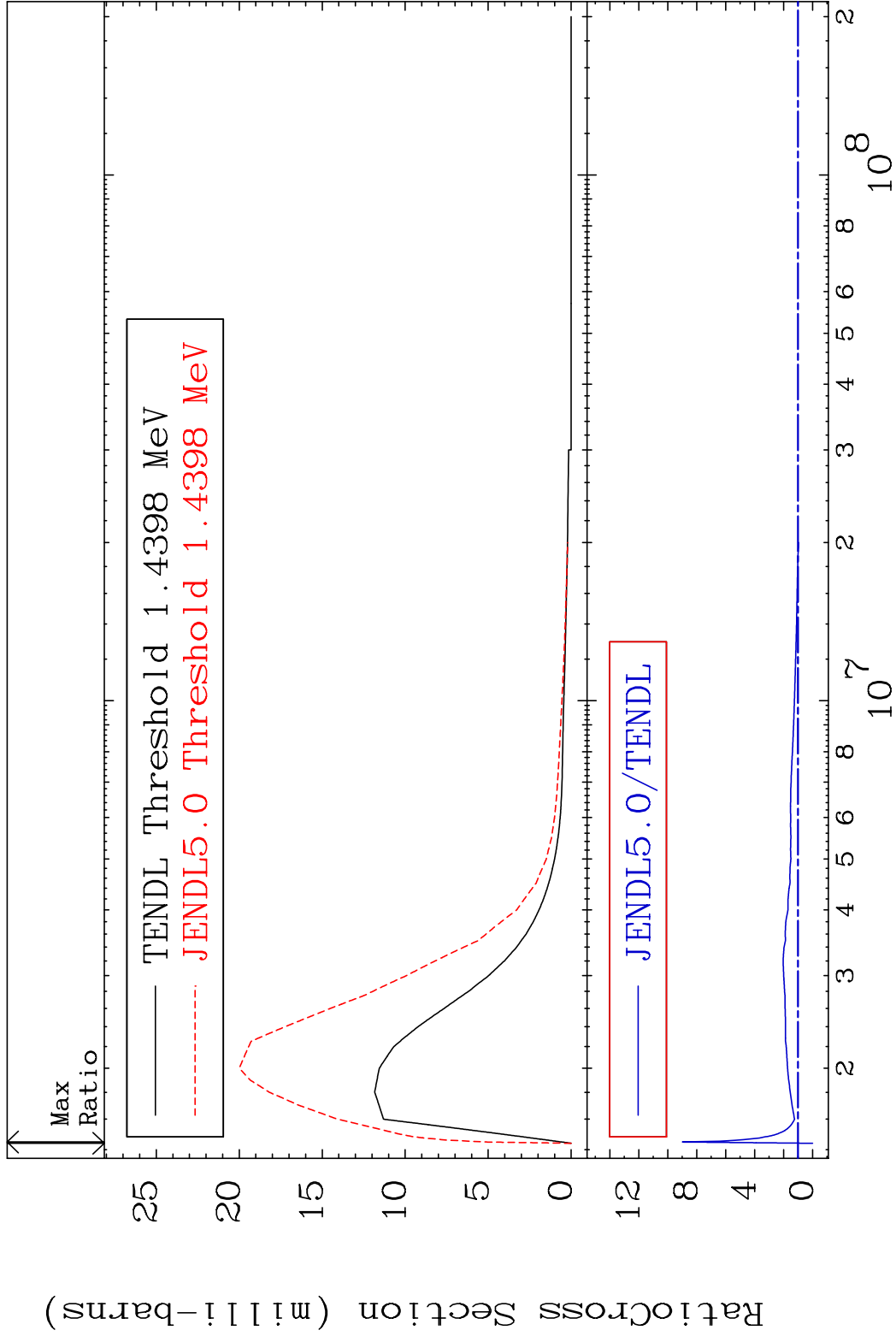


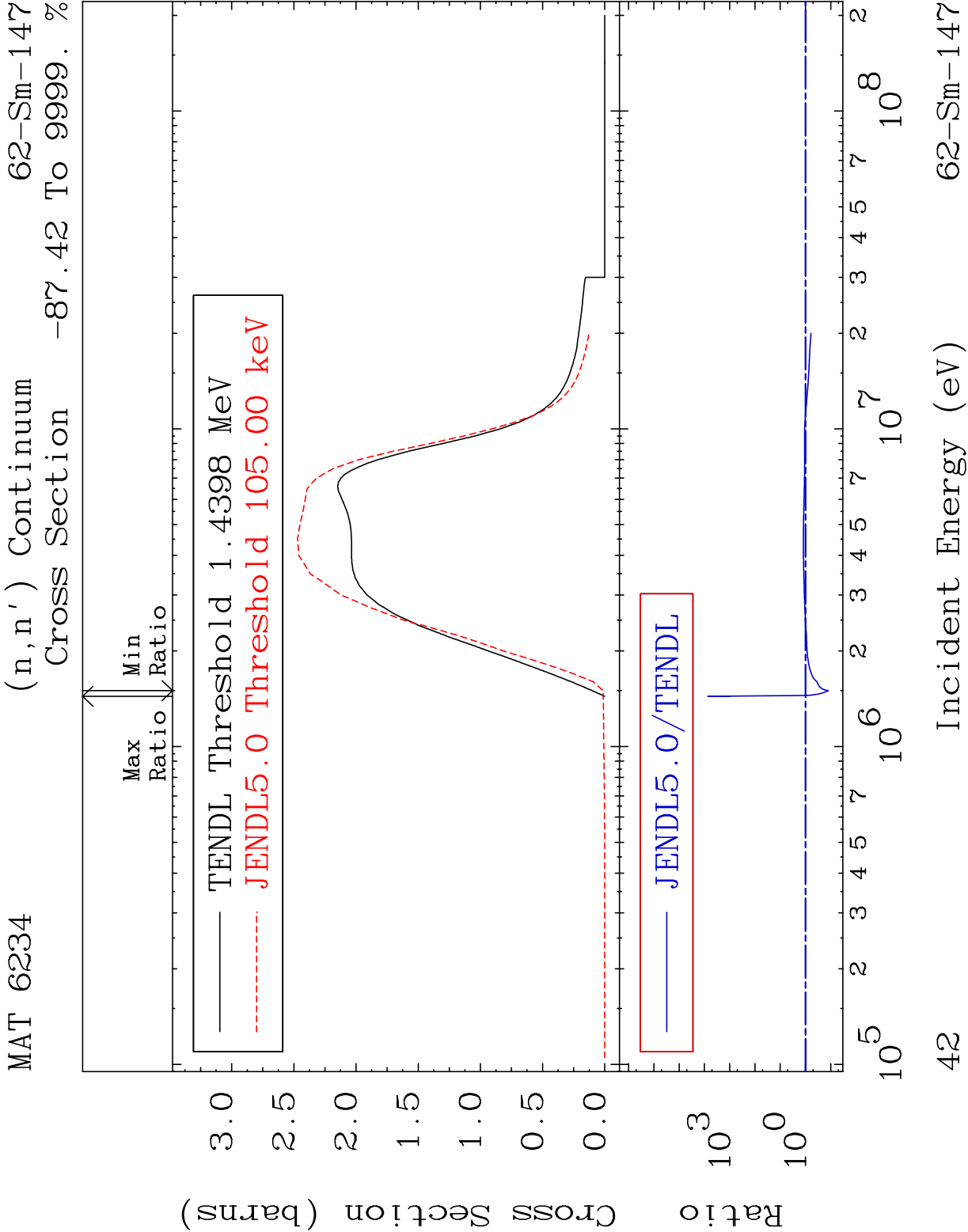
MAT 6234 MT= 78 (n,n') Level 62-Sm-147
Cross Section 17.84 To 2223. %

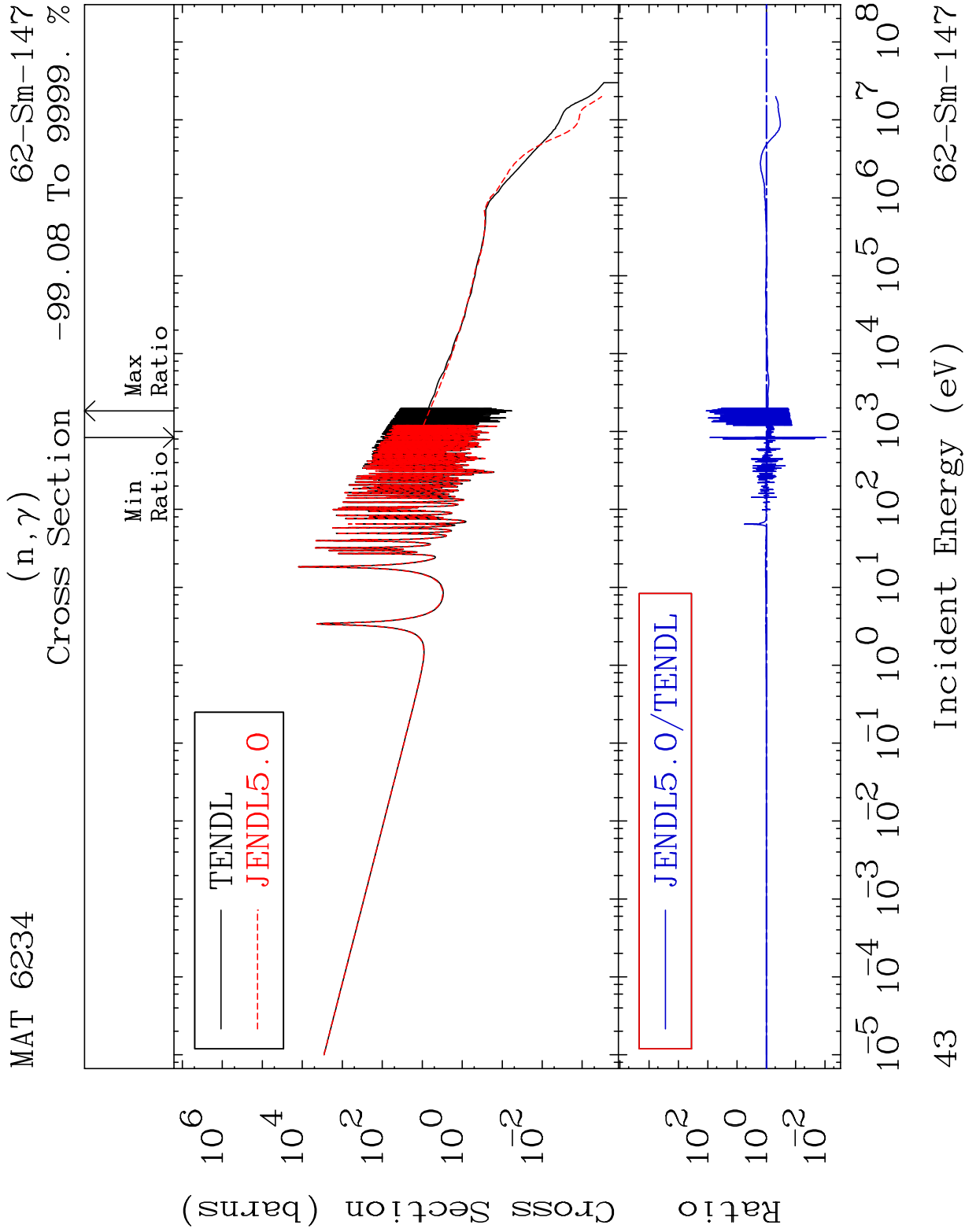


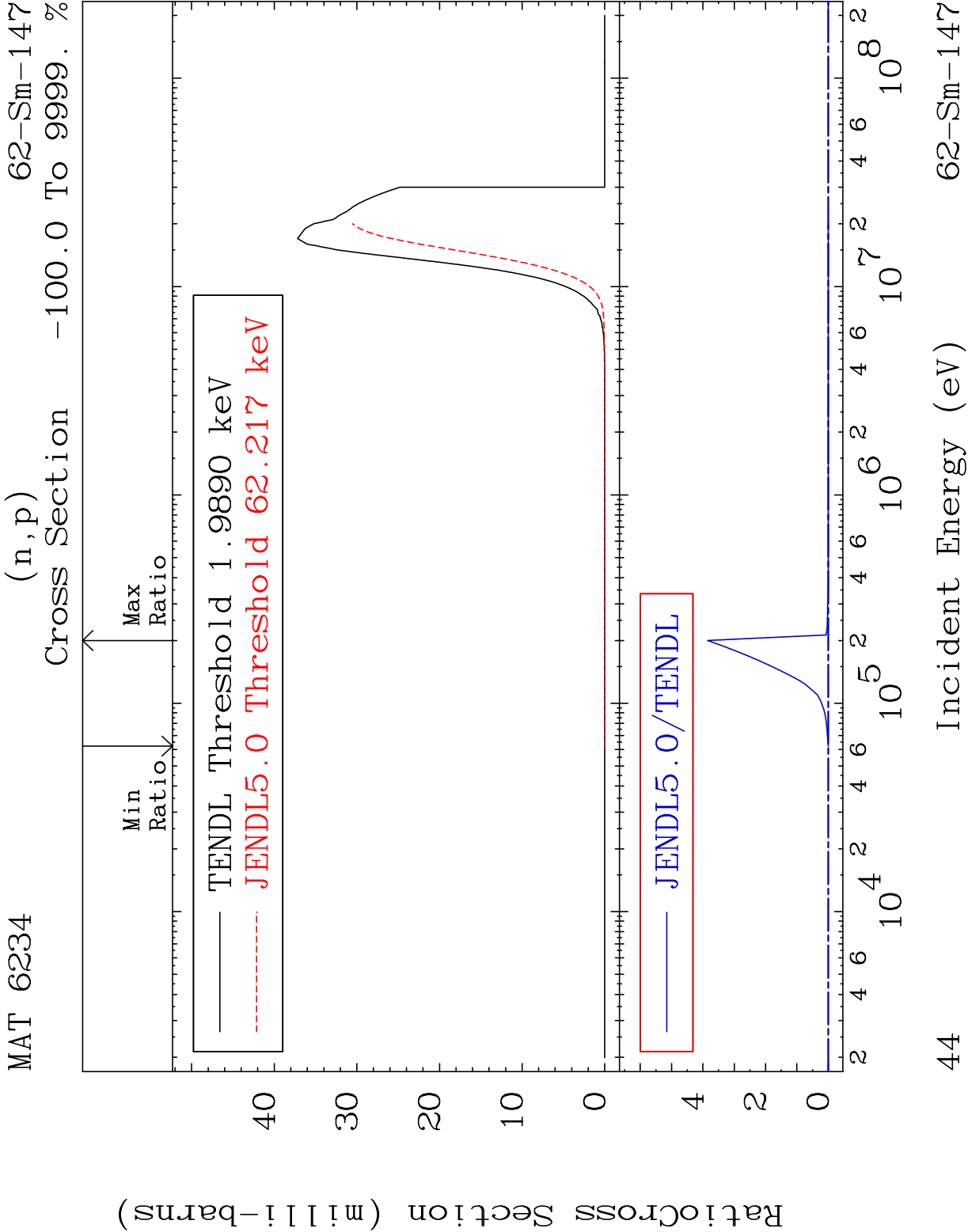


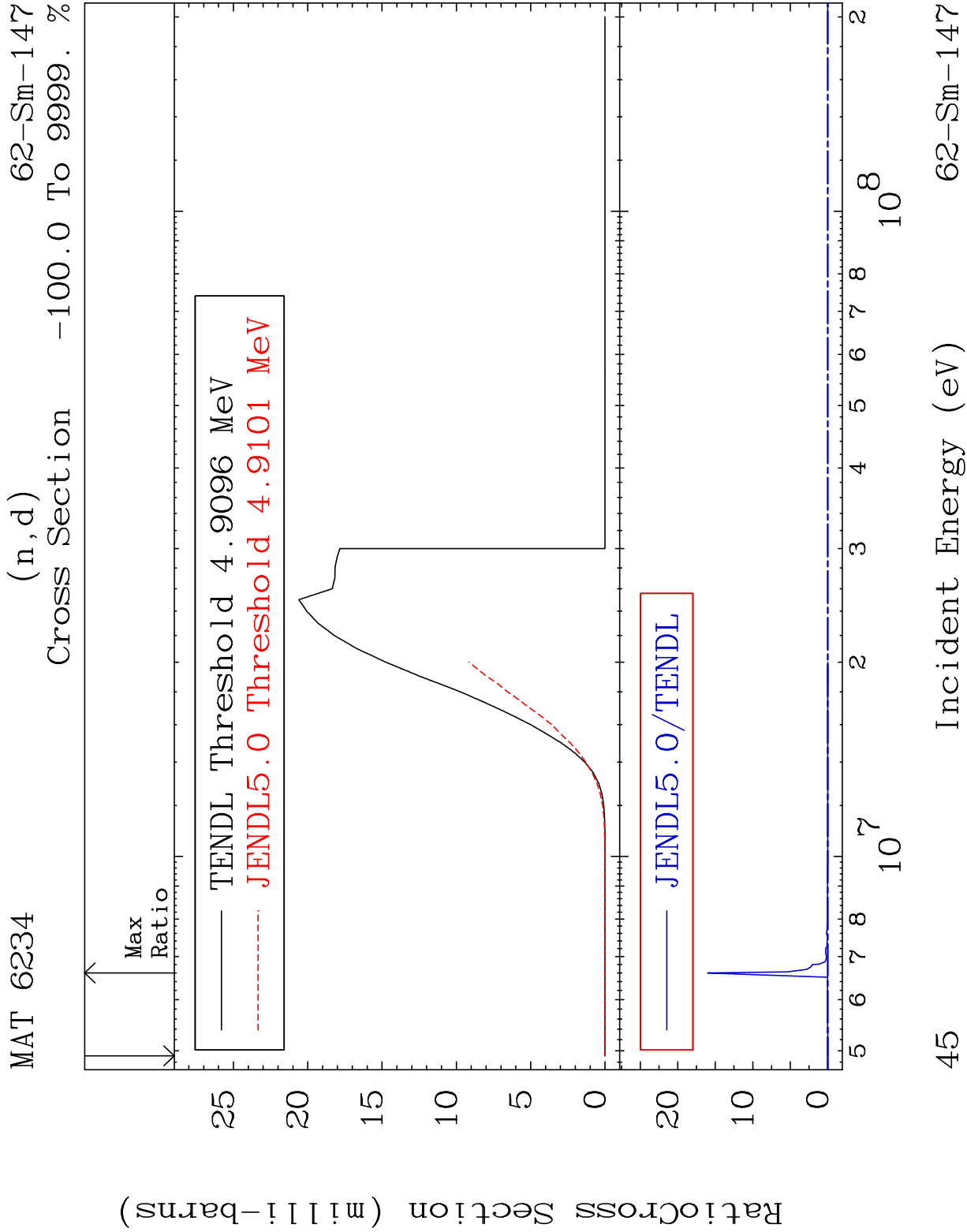
MAT 6234 MT= 80 (n,n') Level 62-Sm-147
Cross Section -100.0 To 799.2 %

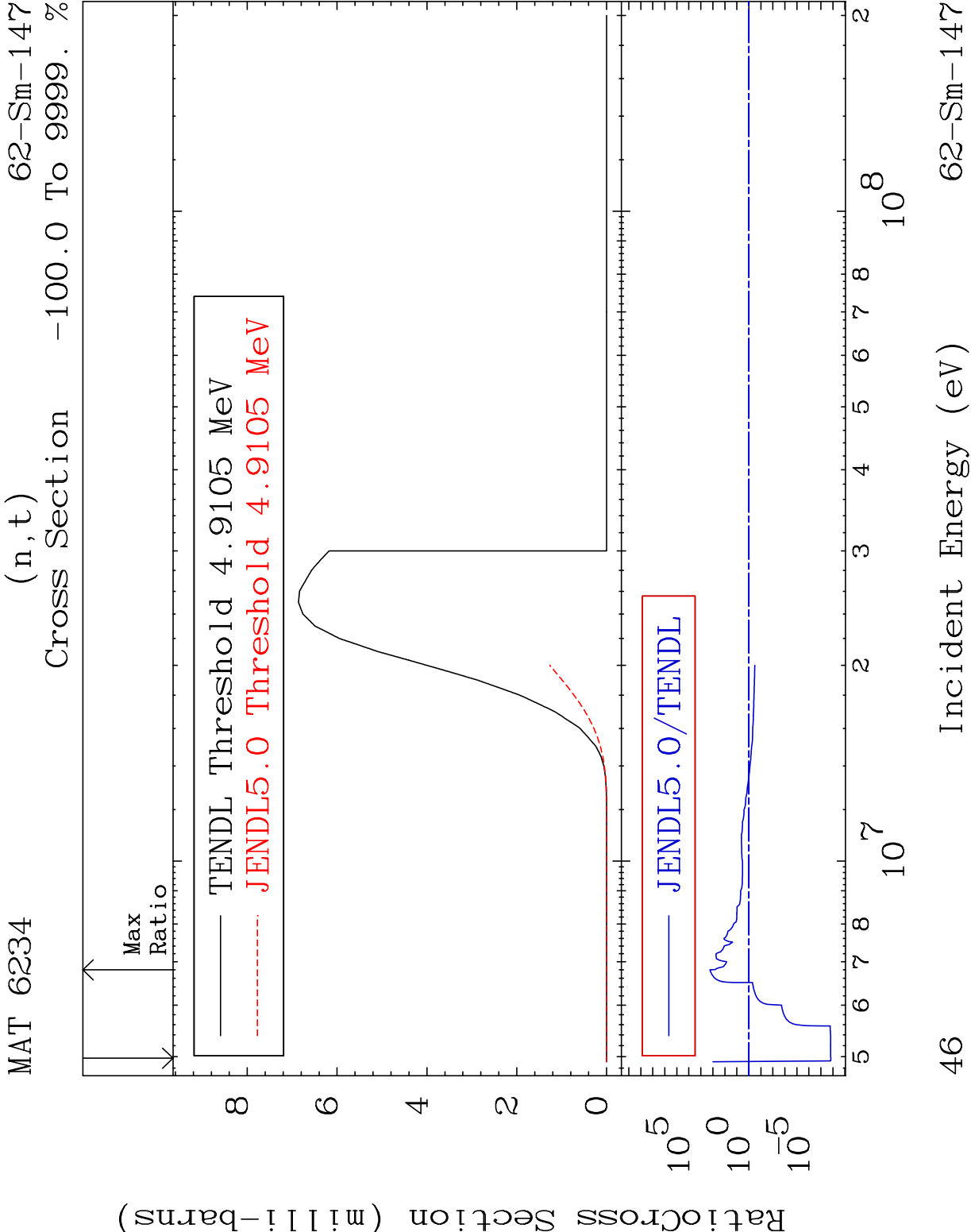


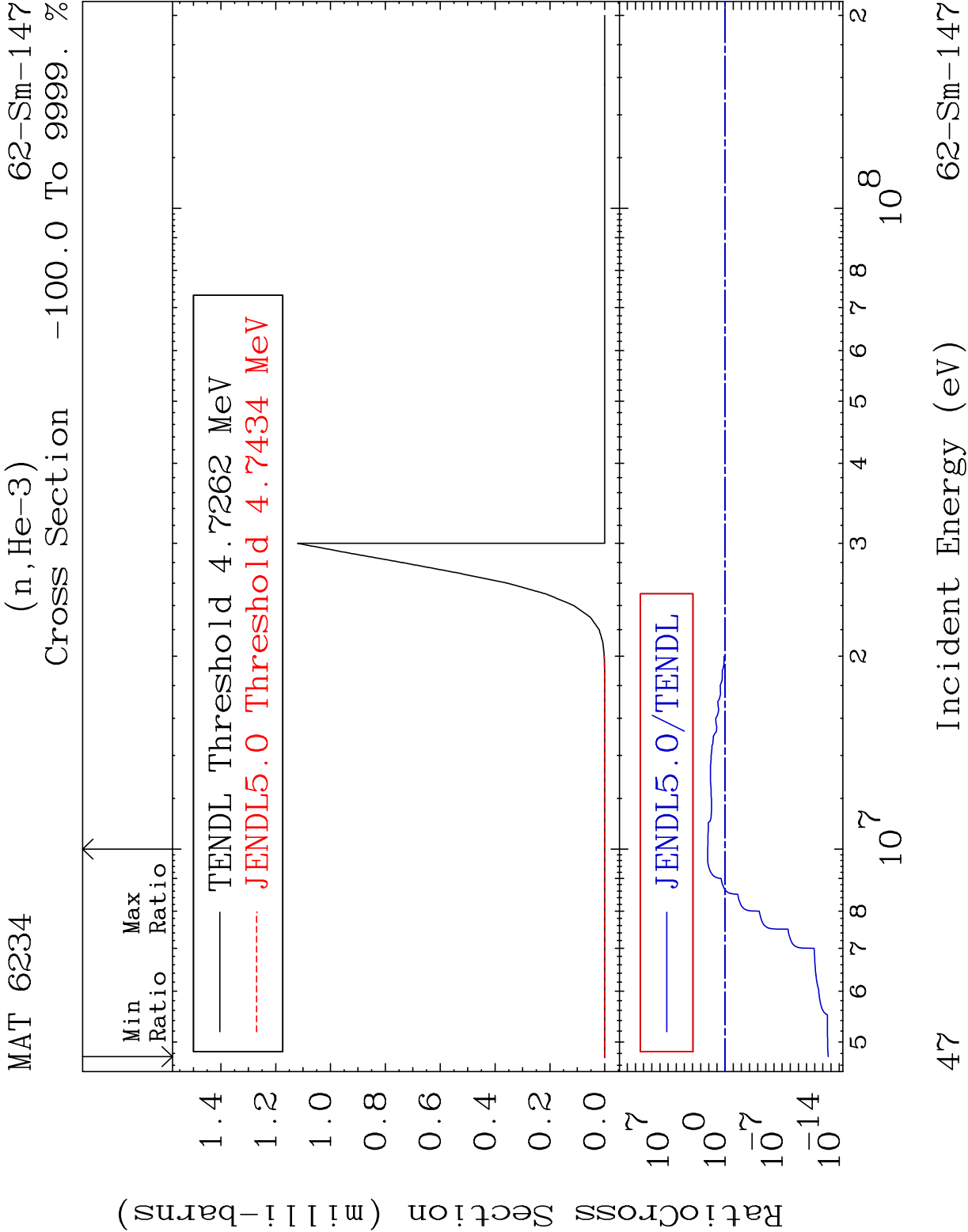










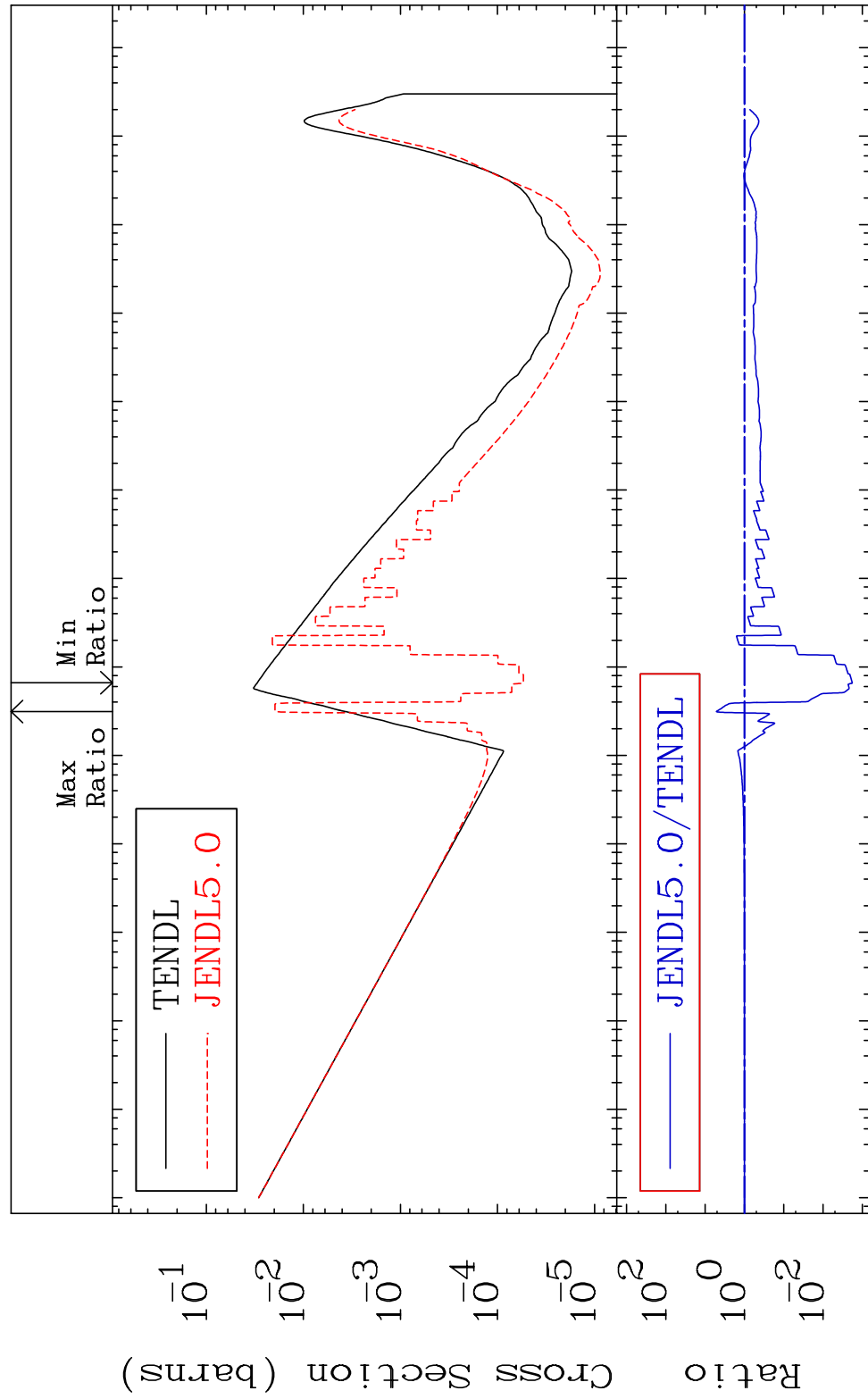


MAT 6234

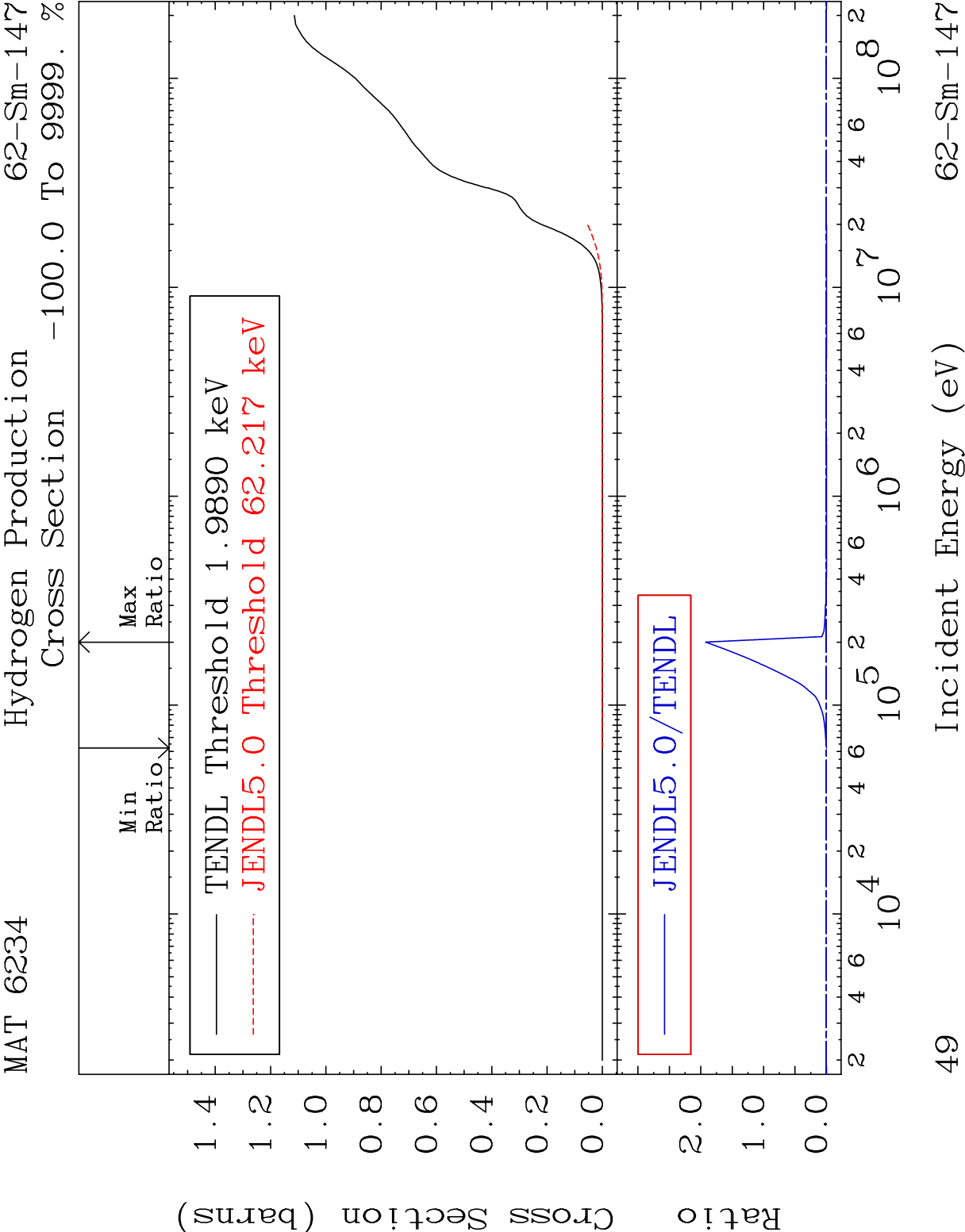
(n, α)

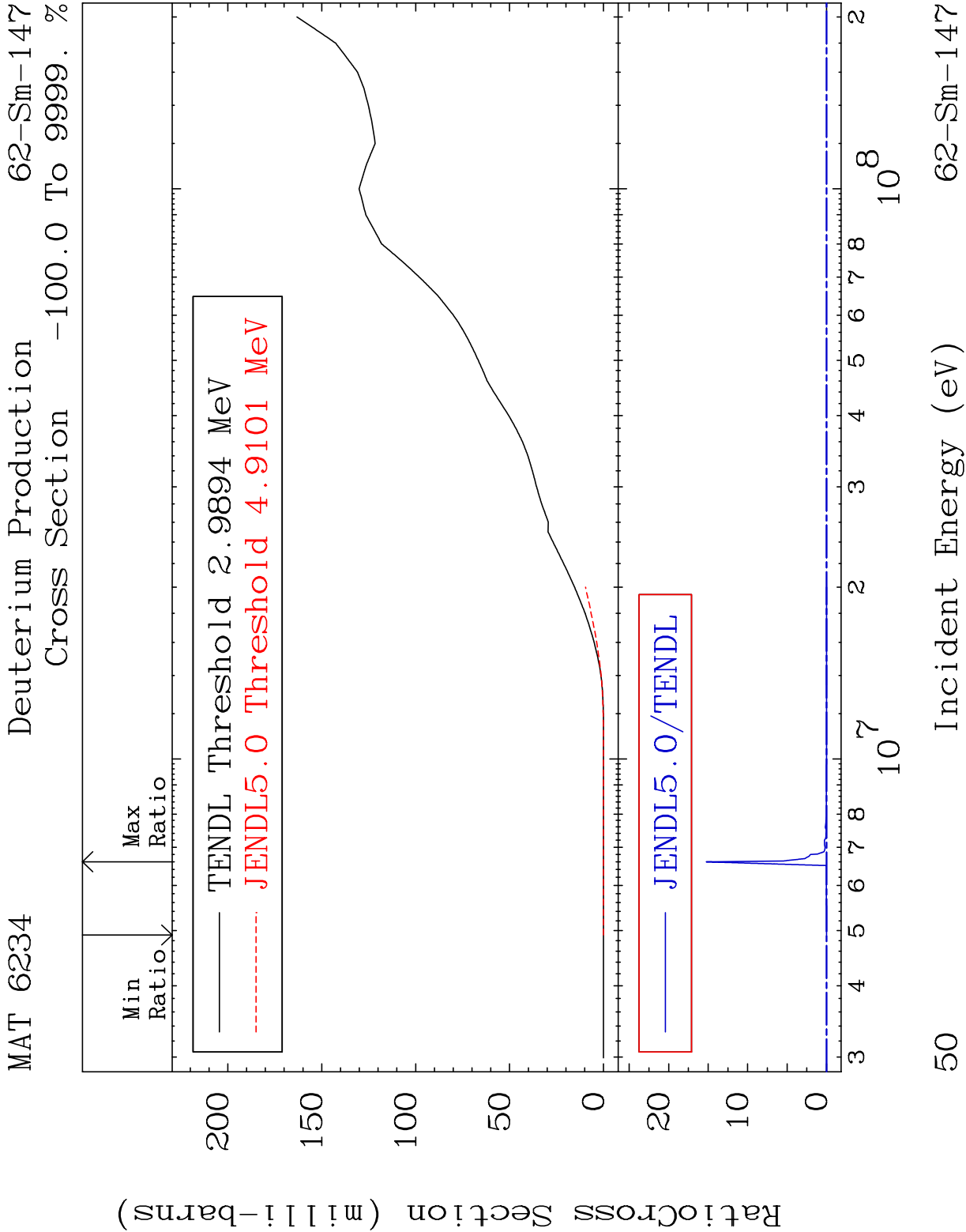
62-Sm-147

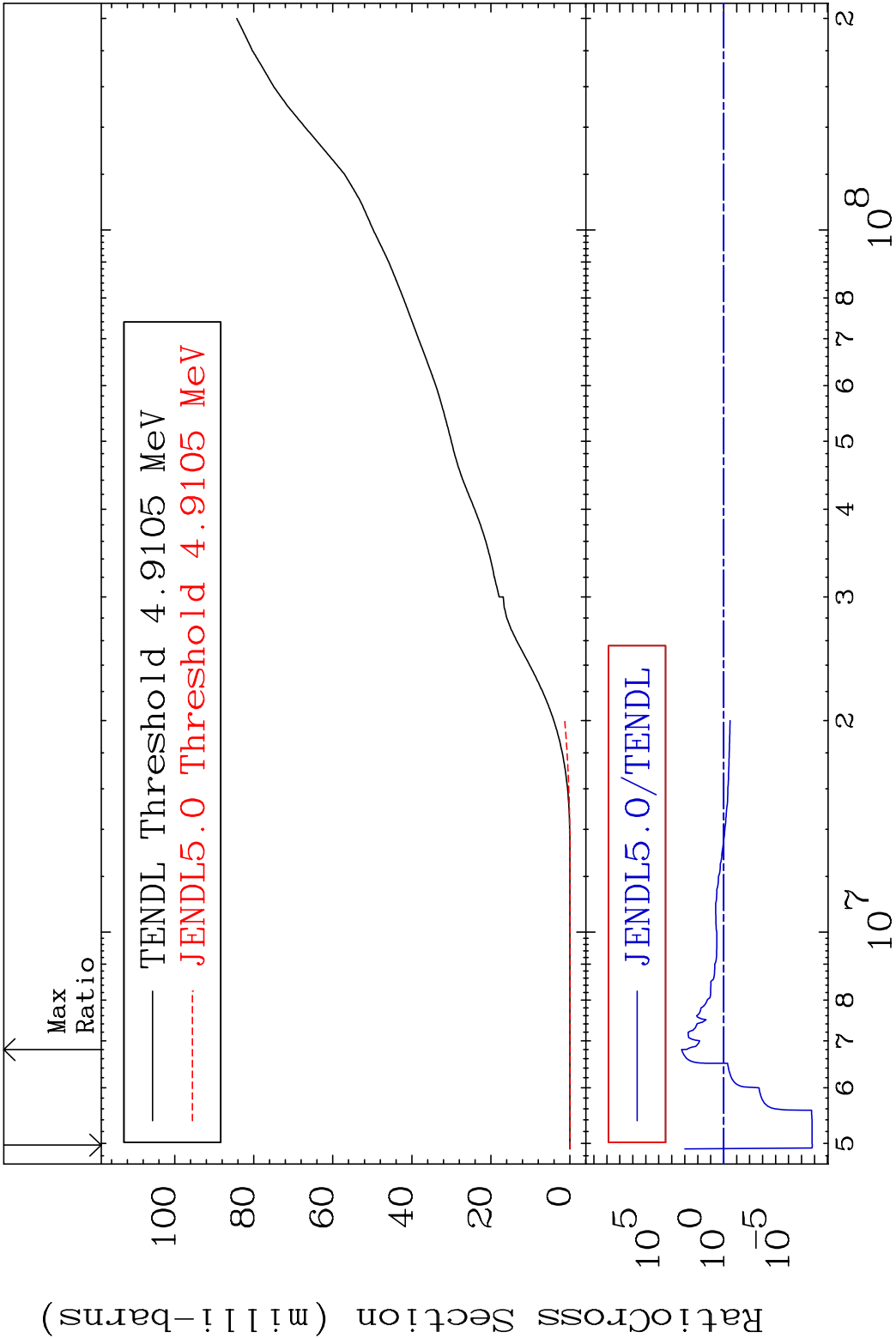
Cross Section -99.82 To 422.2 %

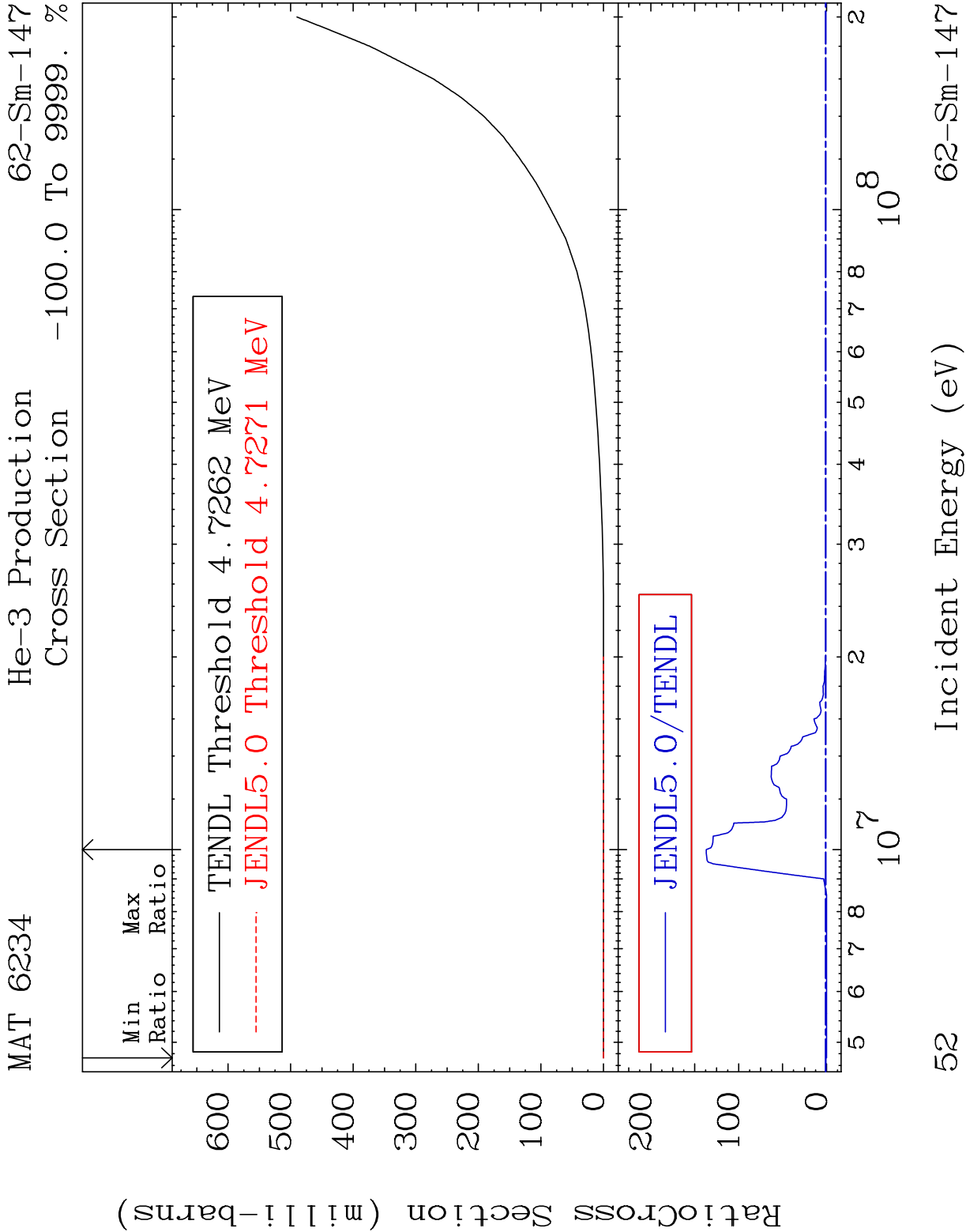


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

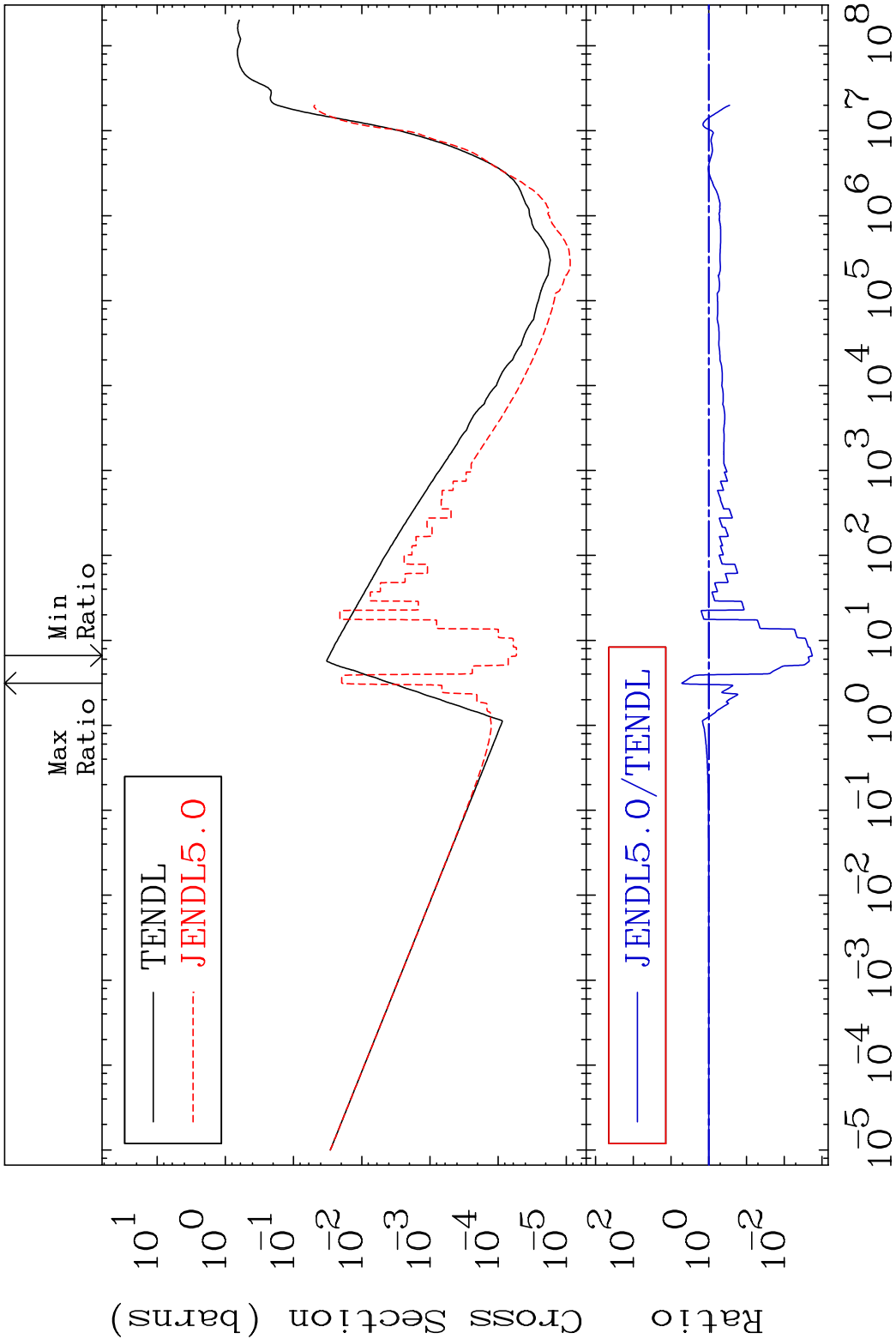






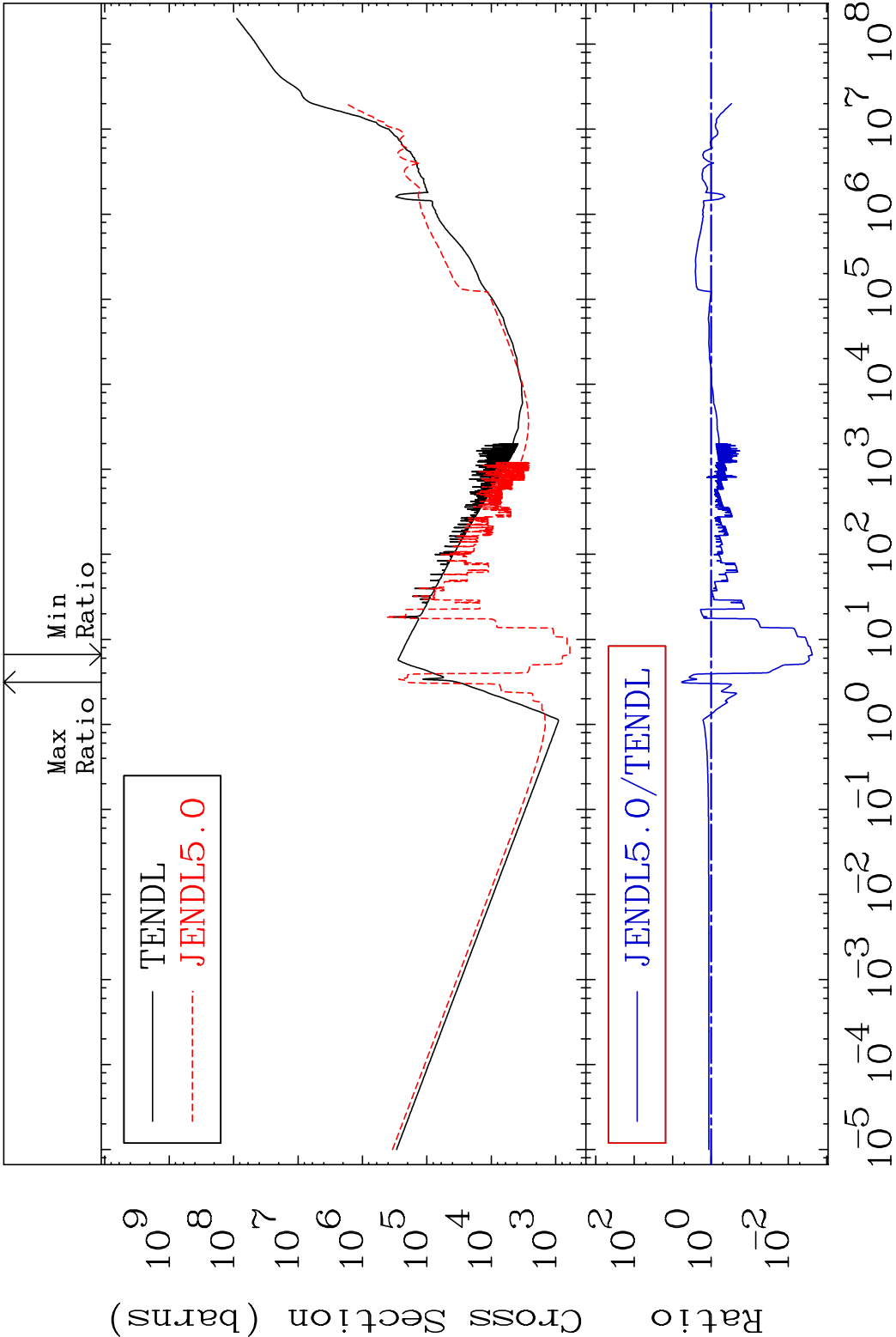


MAT 6234 He-4 Production 62-Sm-147
 Cross Section -99.82 To 422.2 %



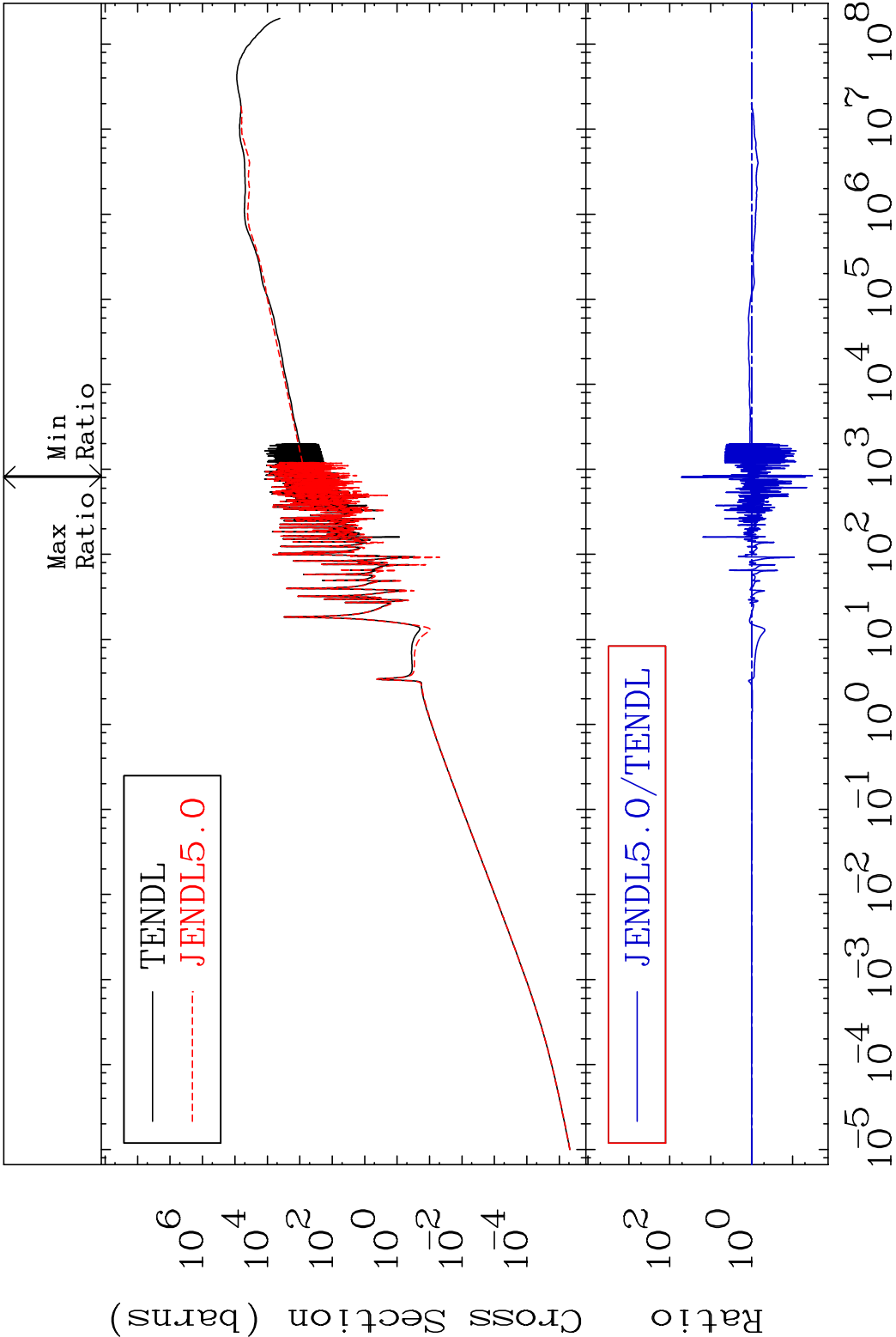
53 Incident Energy (eV) 62-Sm-147

MAT 6234 Kerma total (eV-barns) 62-Sm-147
Cross Section -99.76 To 488.1 %

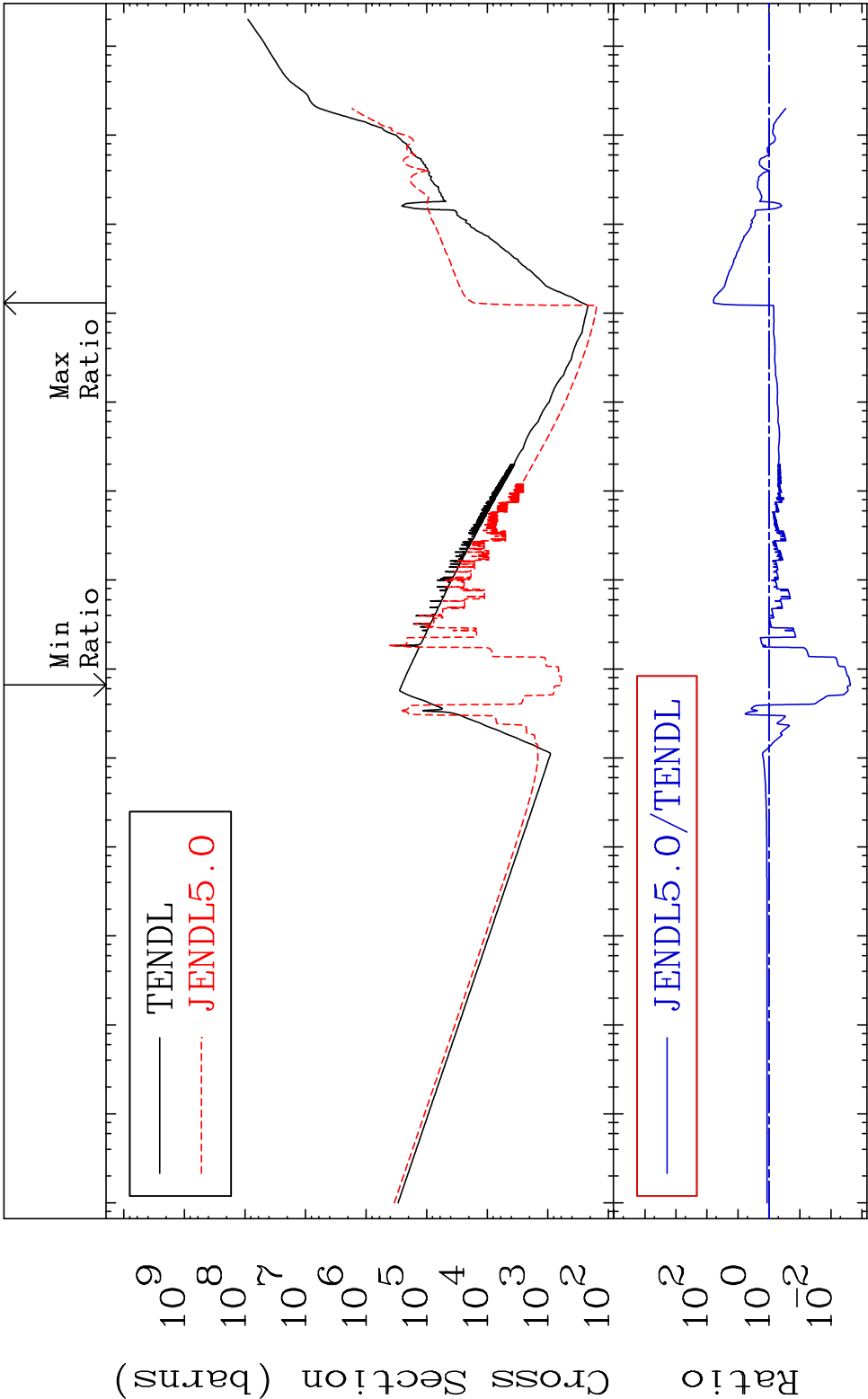


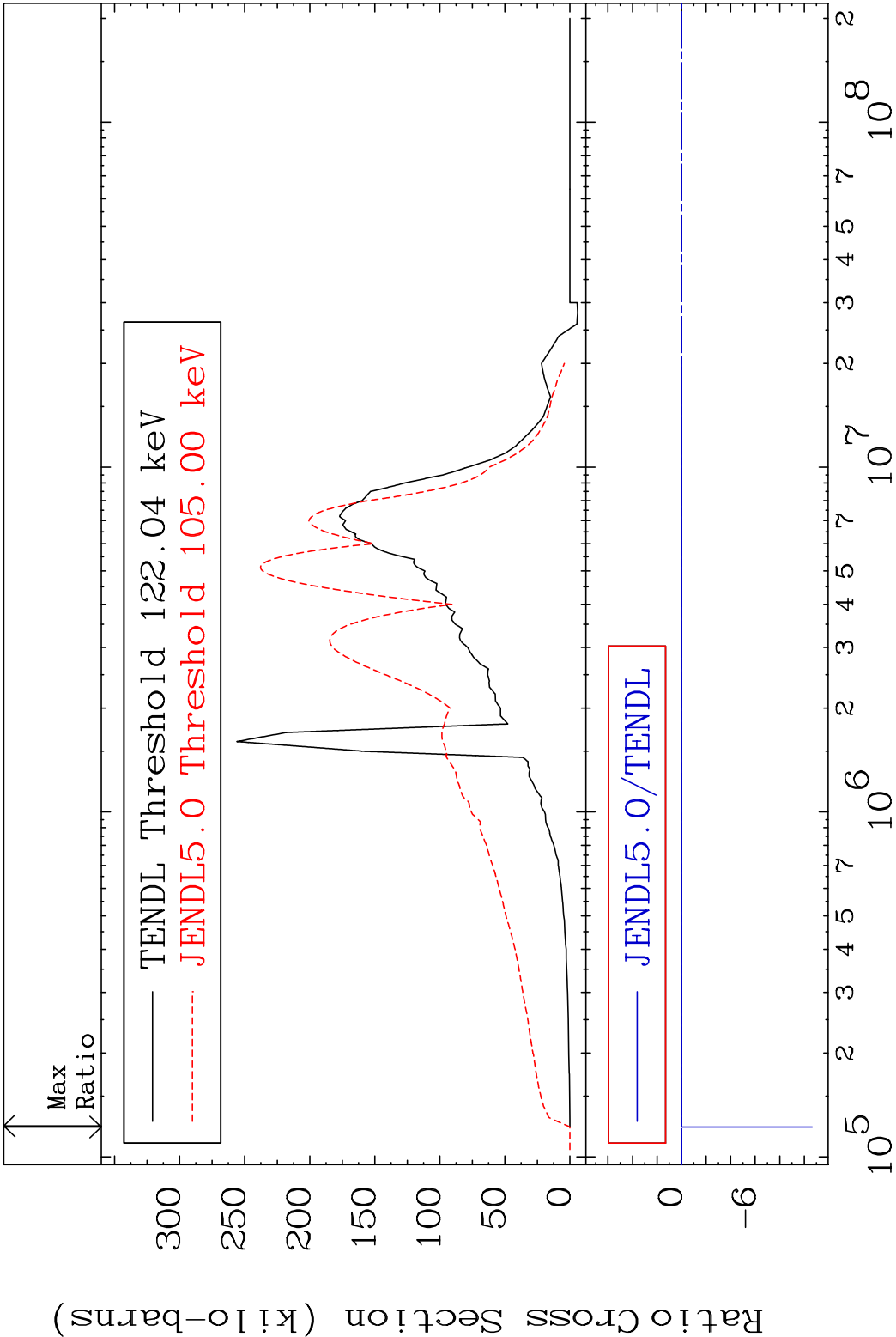
54 Incident Energy (eV) 62-Sm-147

MAT 6234	Kerma elastic	62-Sm-147
	Cross Section	-96.68 To 5062. %

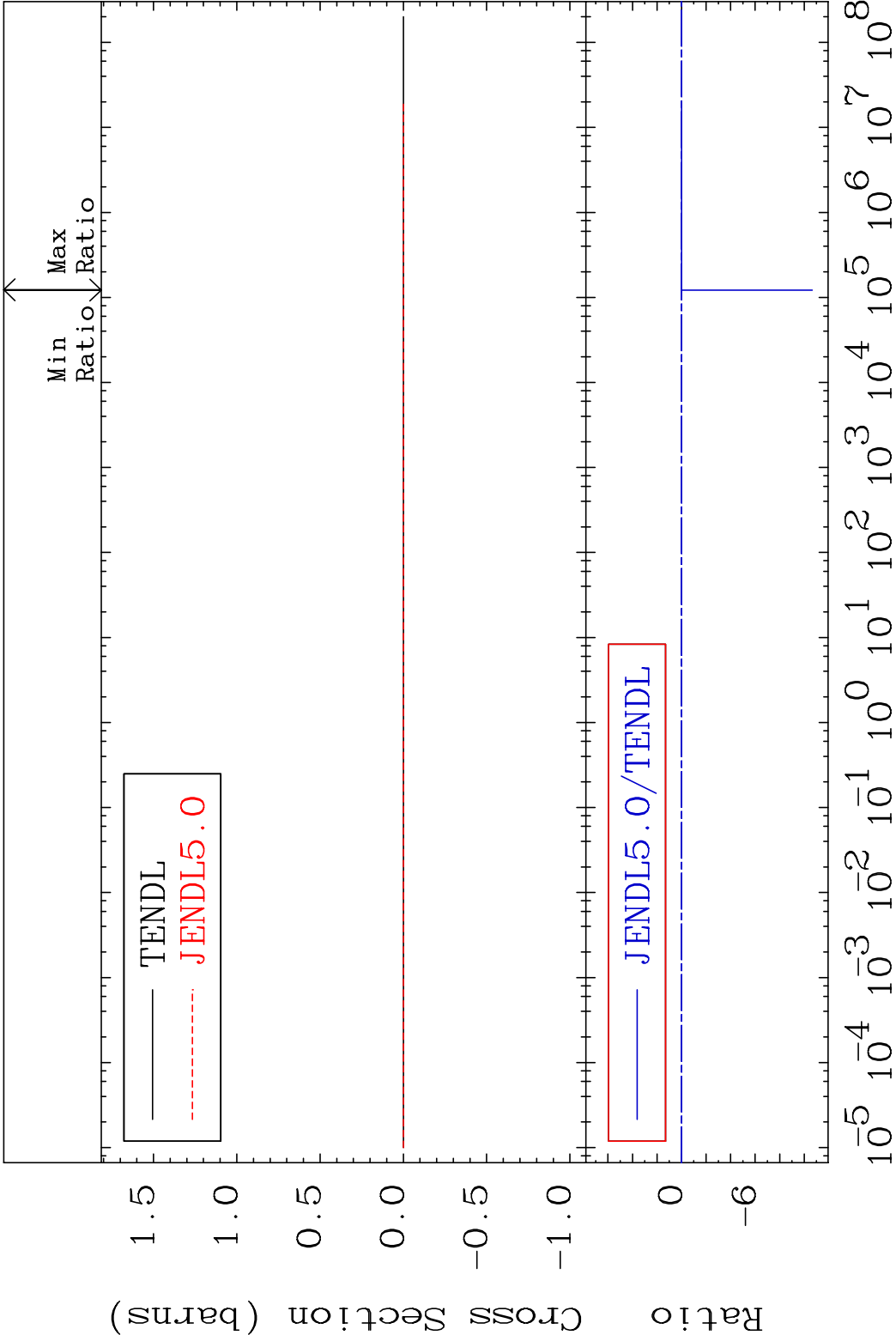


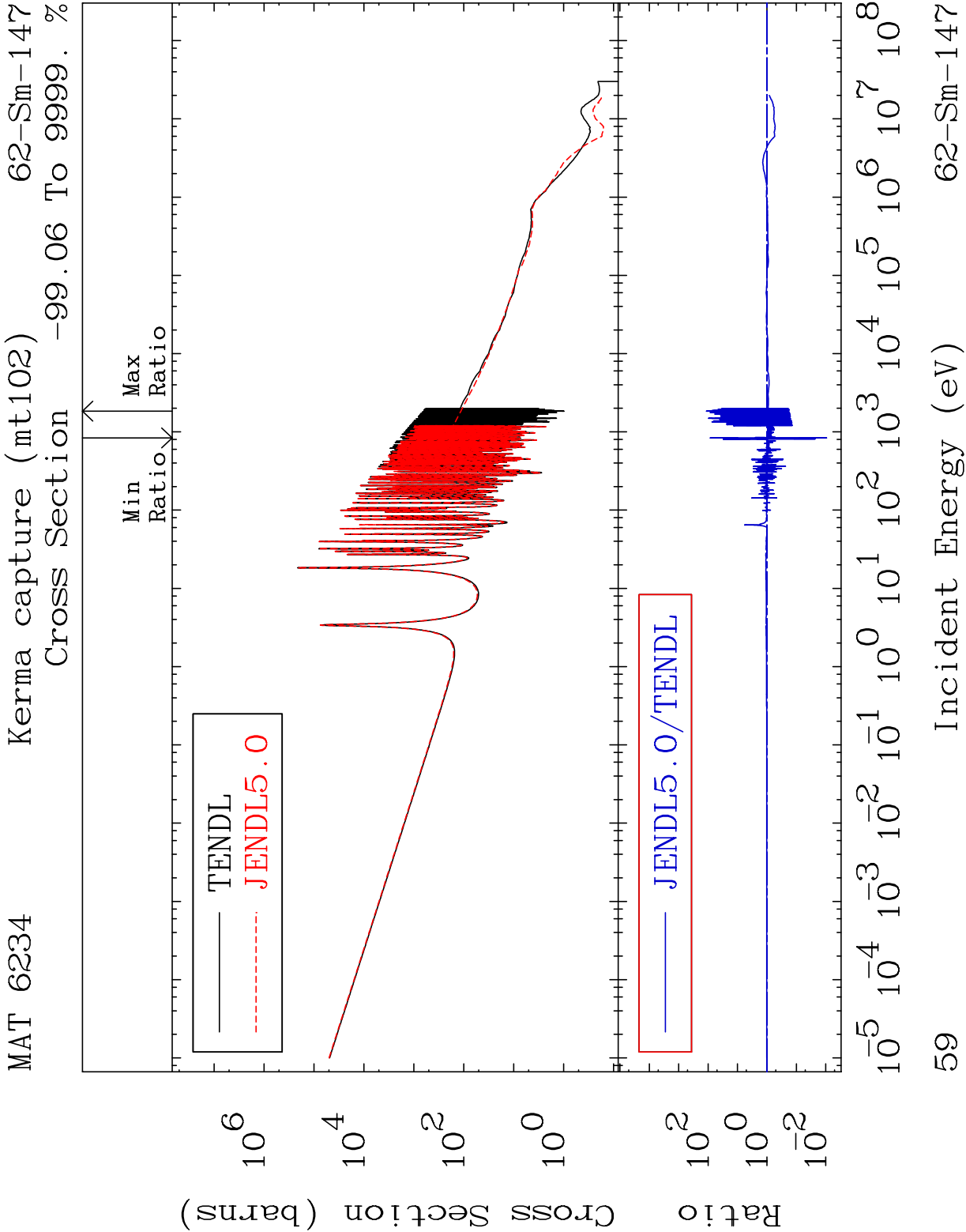
MAT 6234 Kerma non-elastic (all but mt2) 62-Sm-147
 Cross Section -99.76 To 6030. %

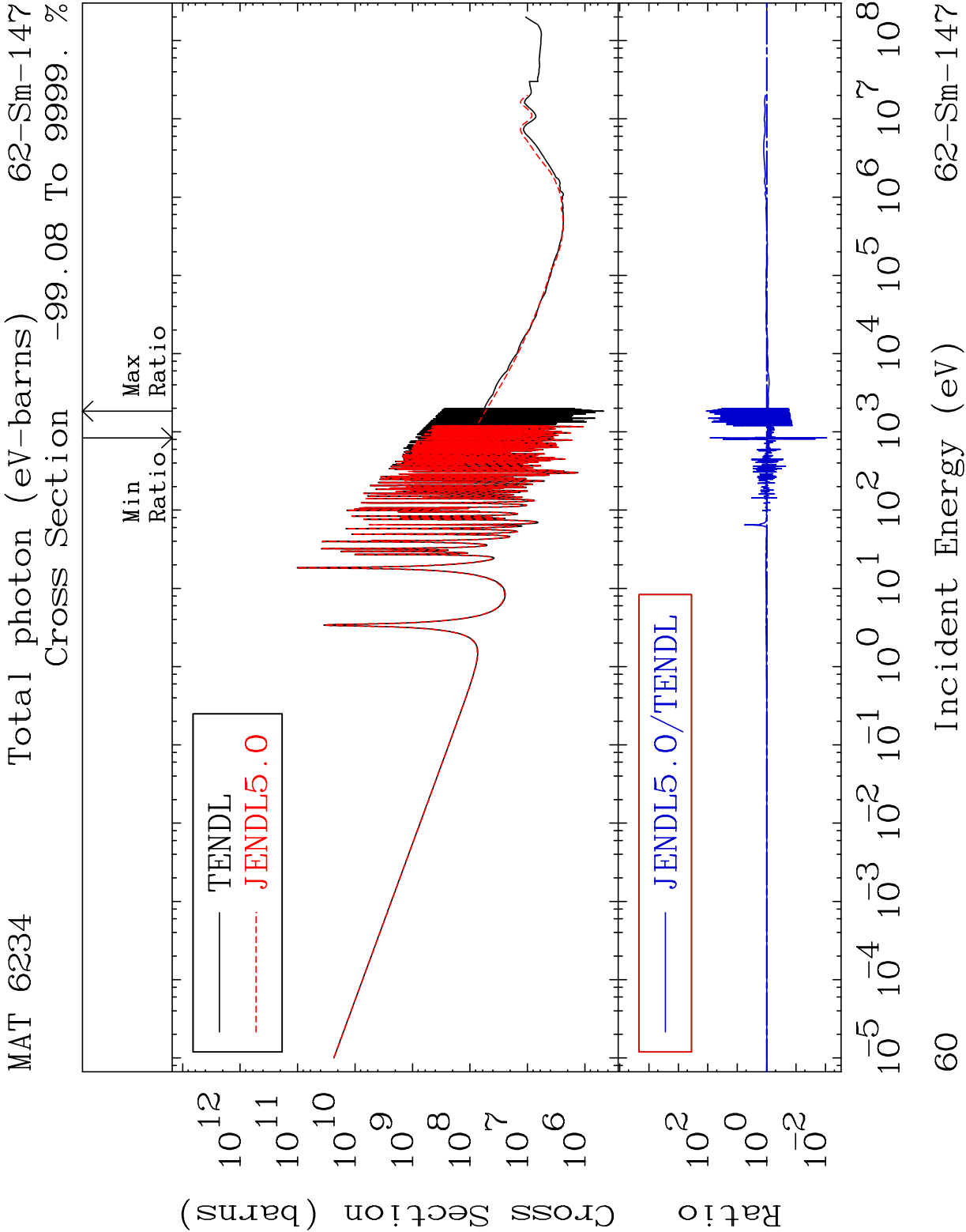




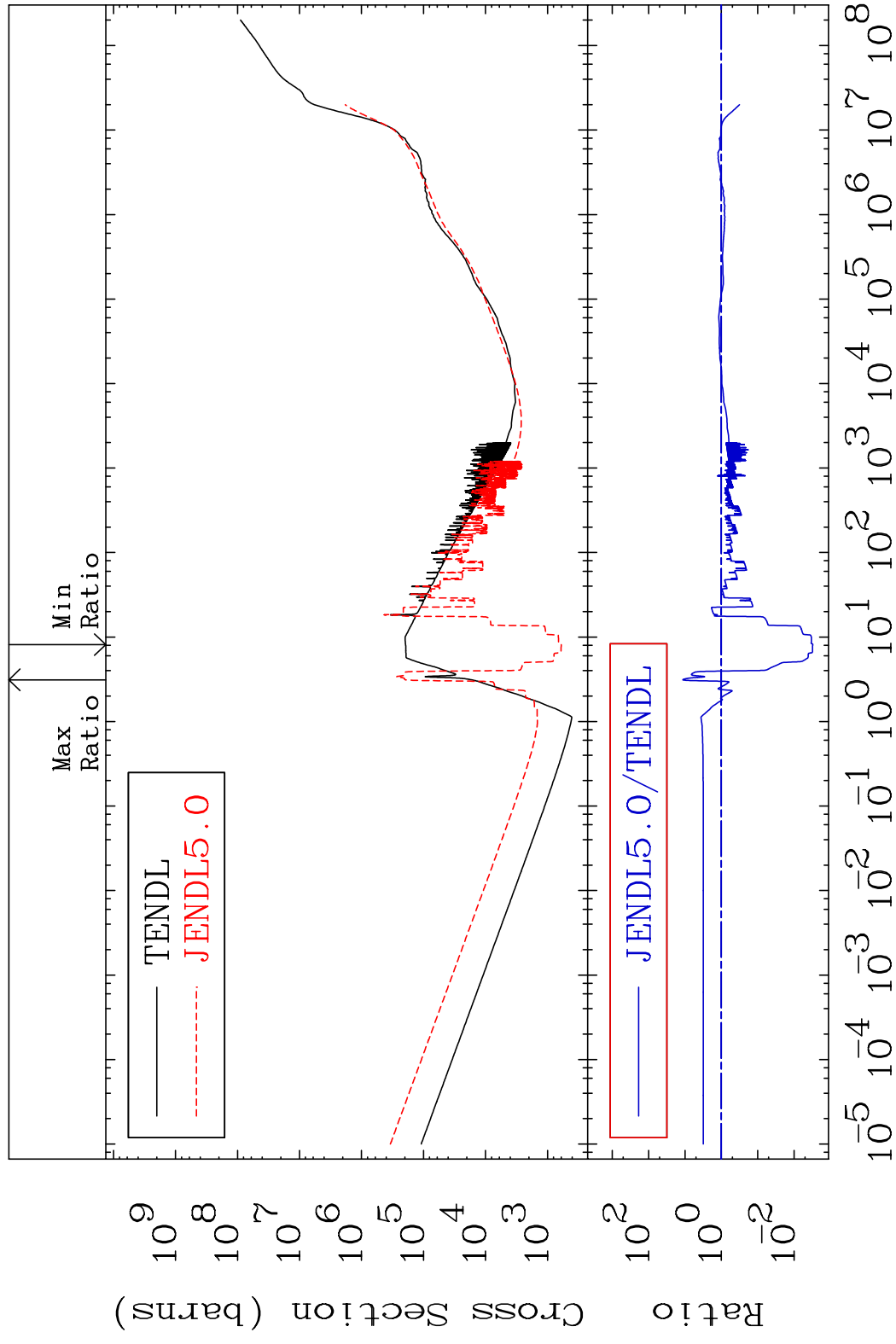
MAT 6234 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-147
Cross Section -9999. To 9999. %





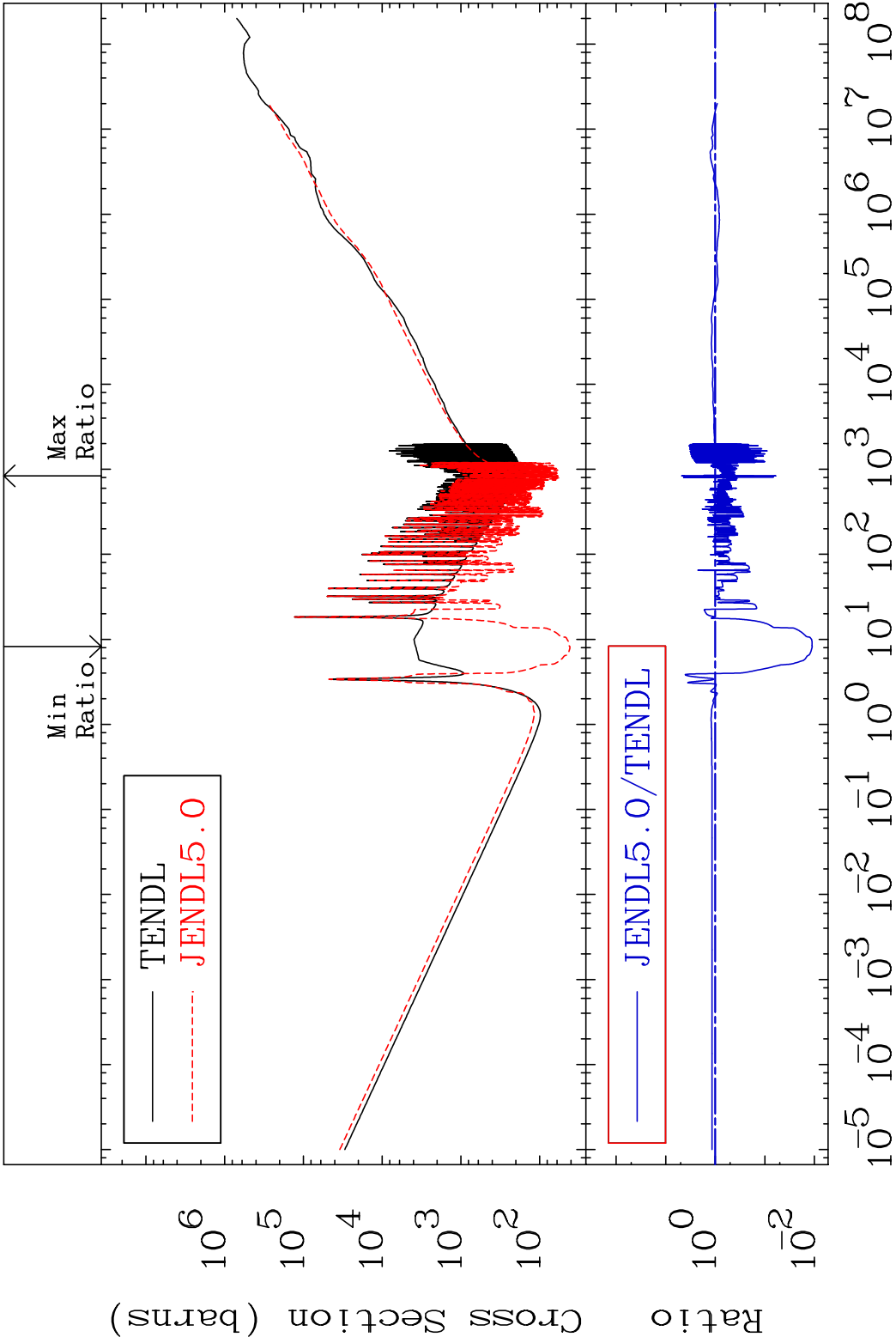


MAT 6234	Total kinematic kerma (high limit) 62-Sm-147
	Cross Section -99.69 To 1050. %



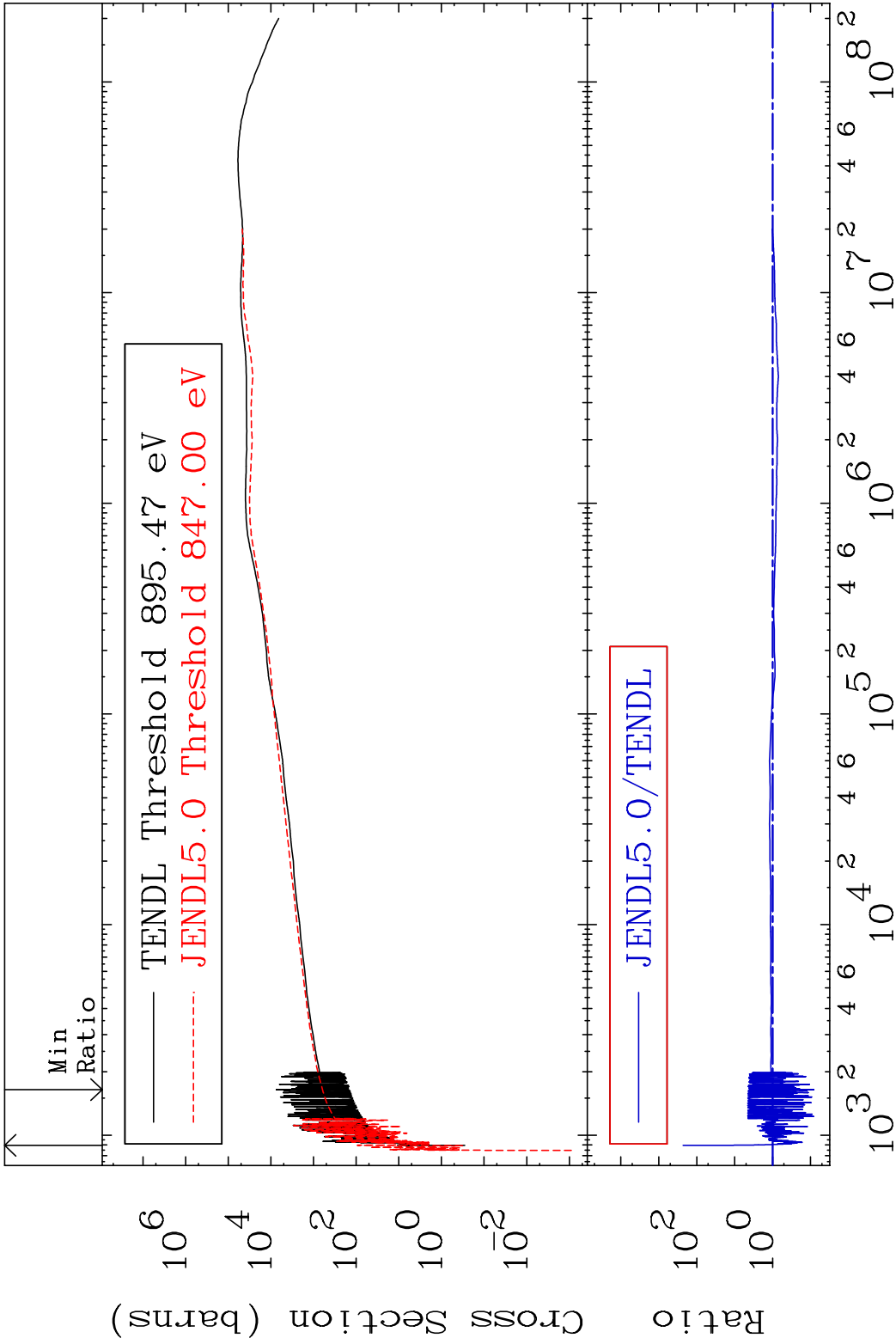
61	Incident Energy (eV)	62-Sm-147

MAT 6234 Dpa total (eV-barns) 62-Sm-147
 Cross Section -98.90 To 379.6 %



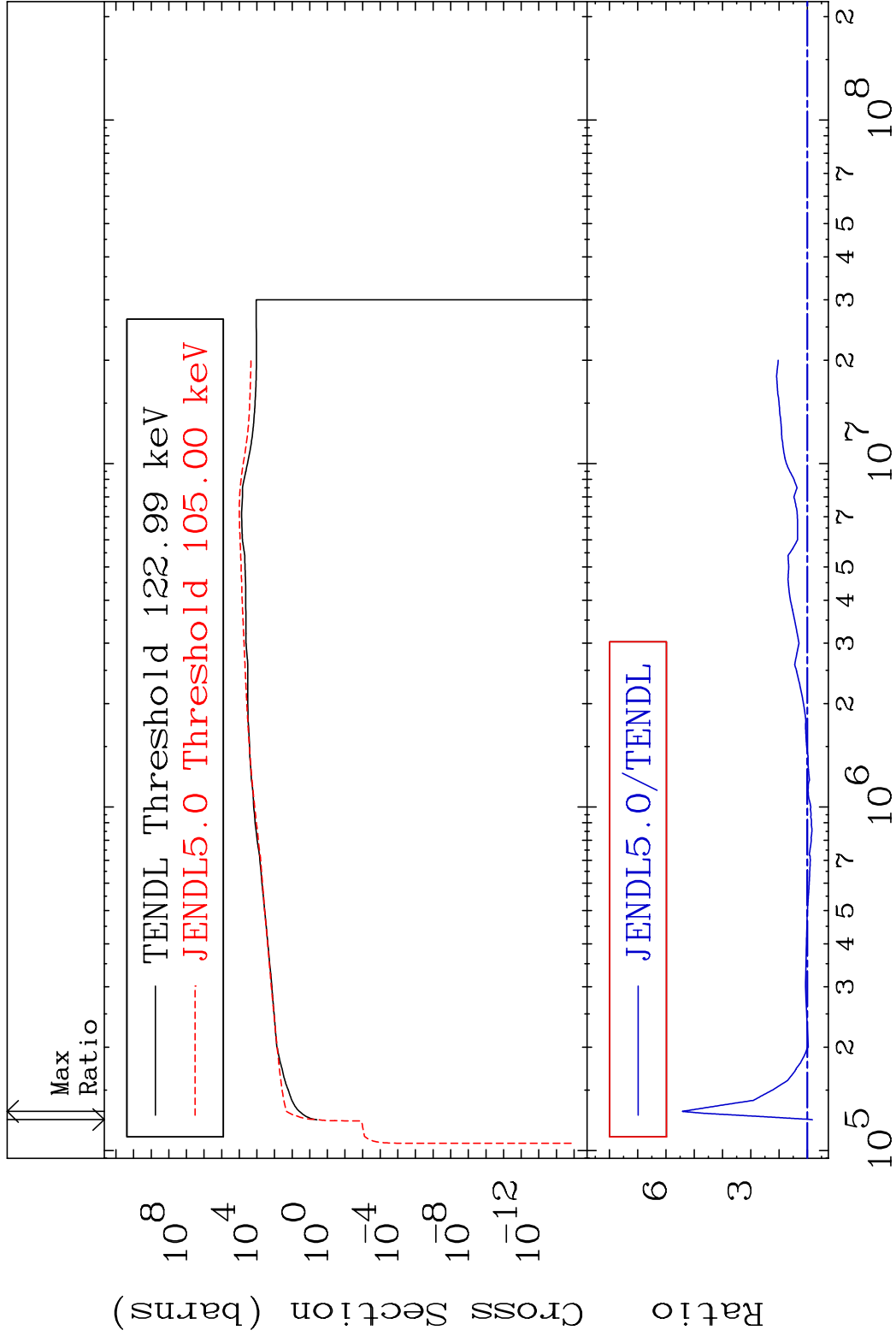
62 Incident Energy (eV) 62-Sm-147

MAT 6234	Dpa elastic (mt2)	62-Sm-147
	Cross Section	-91.84 To 9999. %



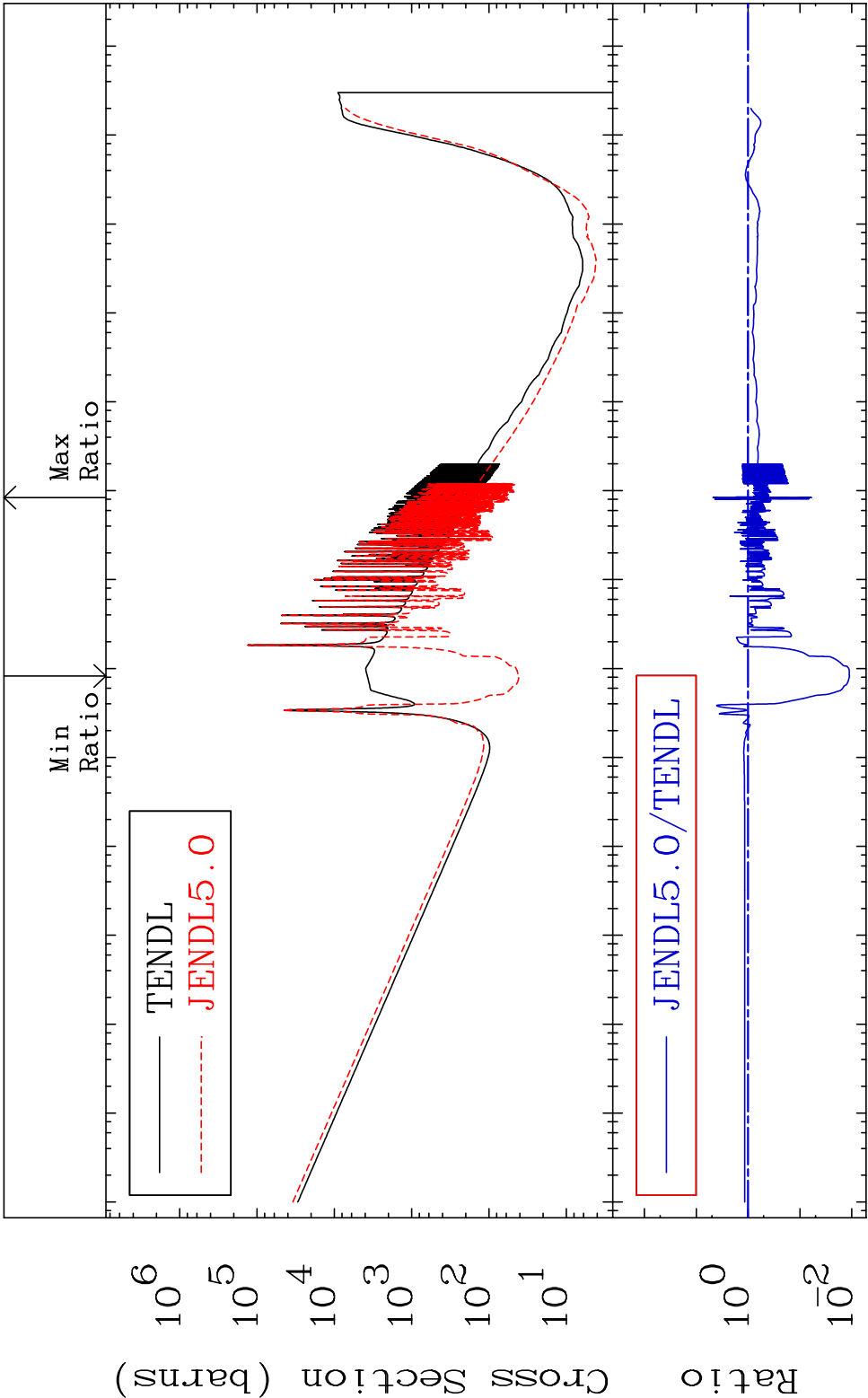
63	Incident Energy (eV)	62-Sm-147
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MAT 6234 Dpa inelastic (mt51-91) 62-Sm-147
Cross Section -18.25 To 442.1 %



64 Incident Energy (eV) 62-Sm-147

MAT 6234 Dpa disappearance (mt102 -120) 62-Sm-147
 Cross Section -98.90 To 379.6 %



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

65 Incident Energy (eV) 62-Sm-147