

Program Complot
(Version 2021-1)

by

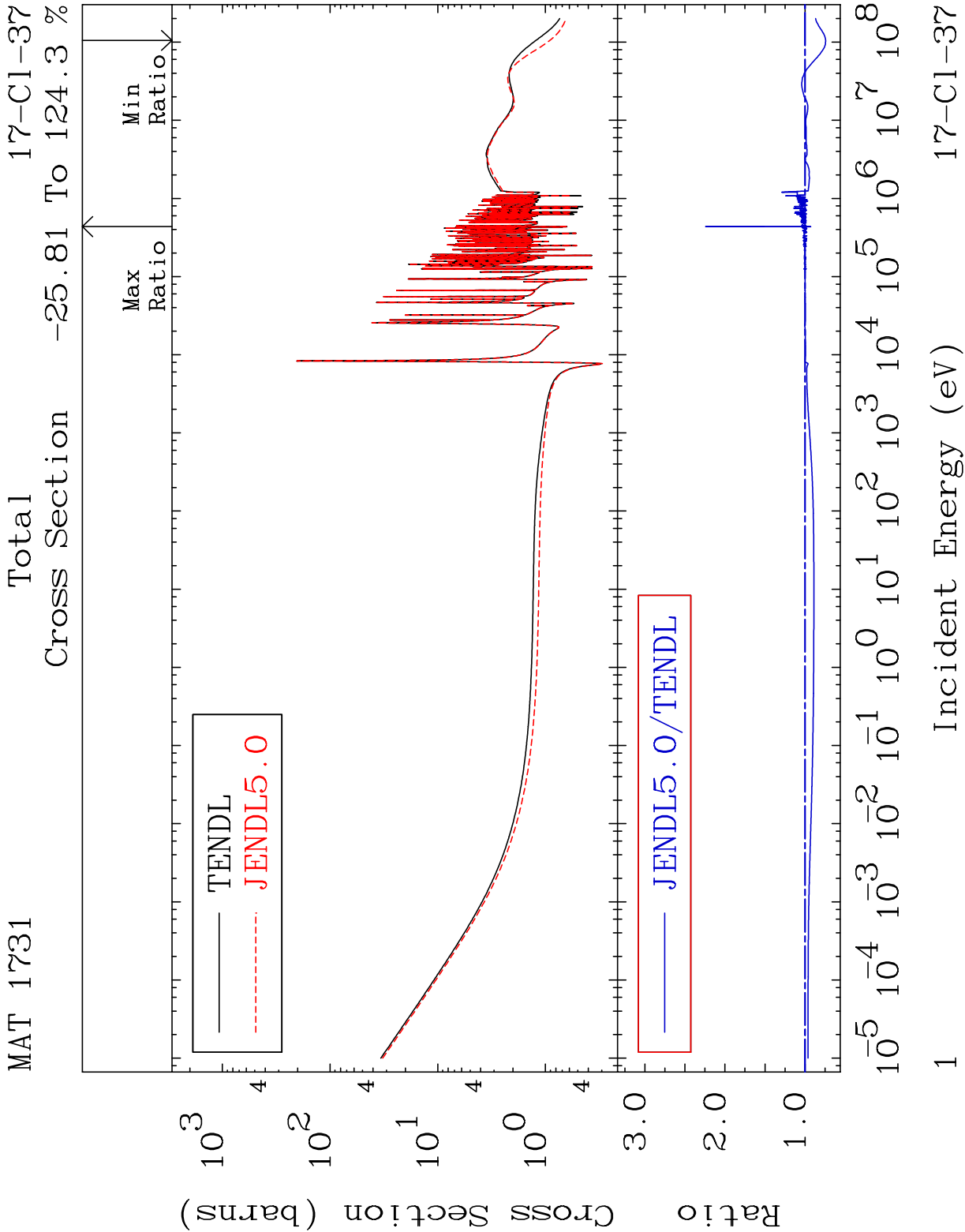
Dermott E. Cullen
(Present Contact Information)

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



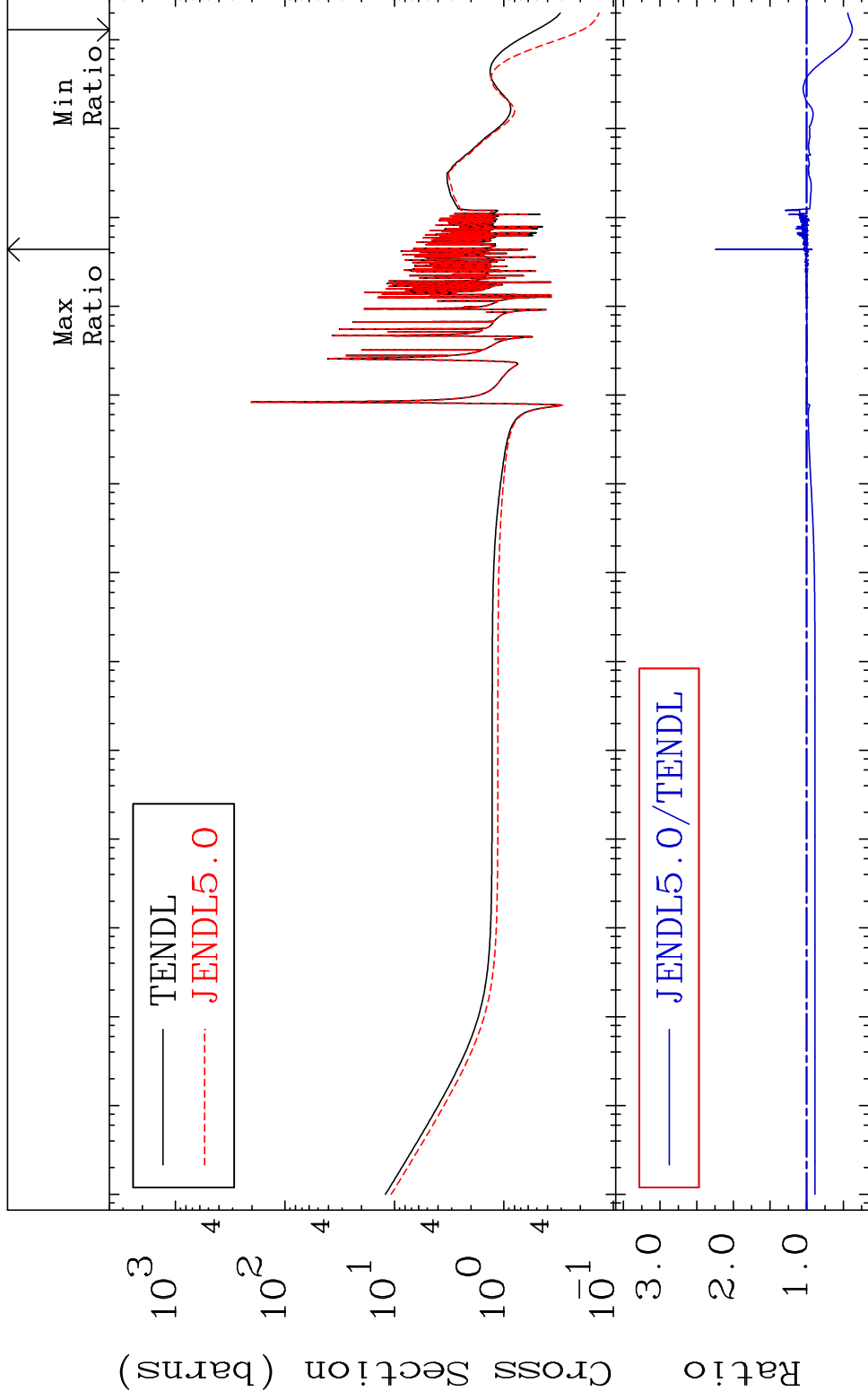
MAT 1731

Elastic

17-Cl-37

Cross Section

-62.09 To 124.1 %

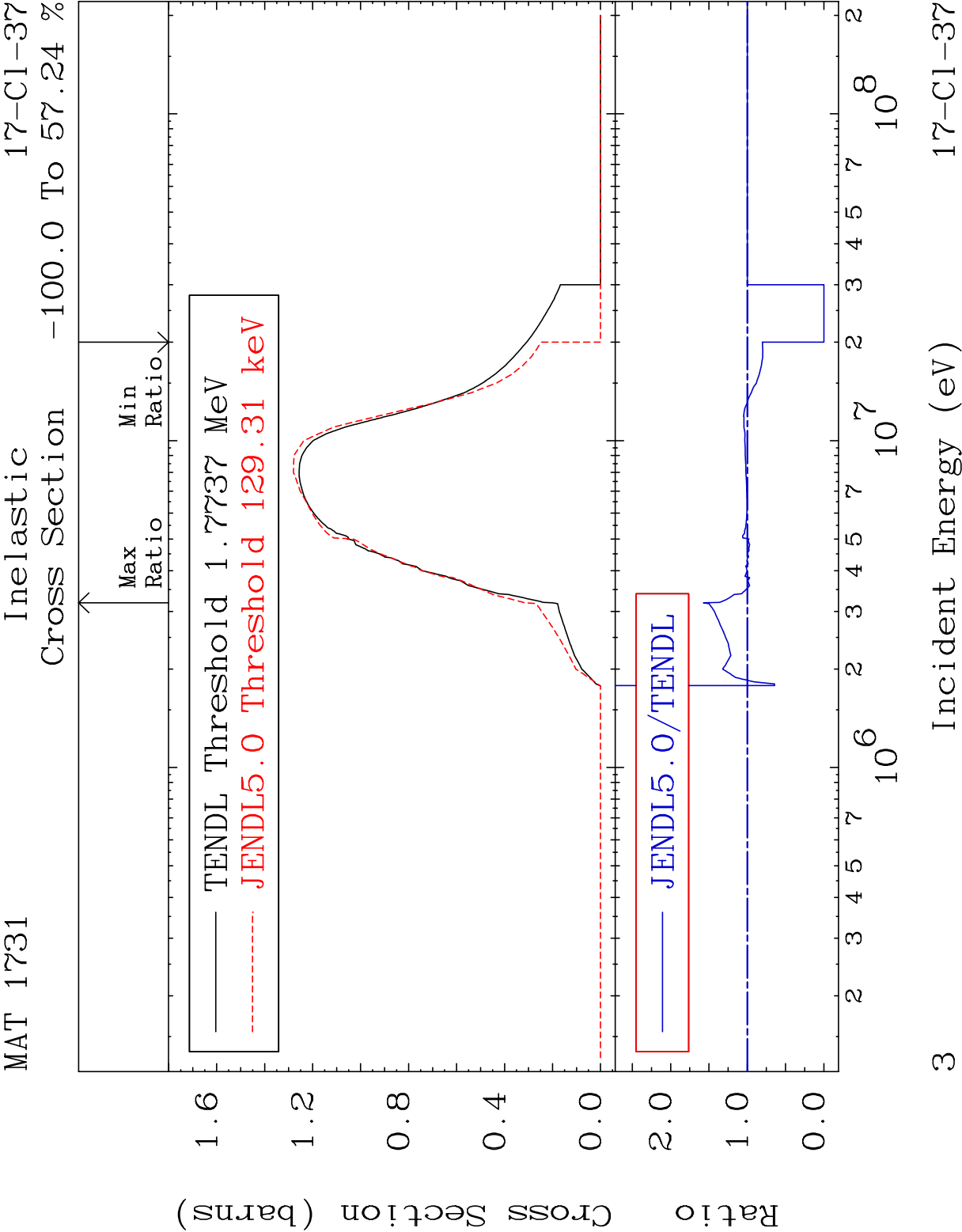


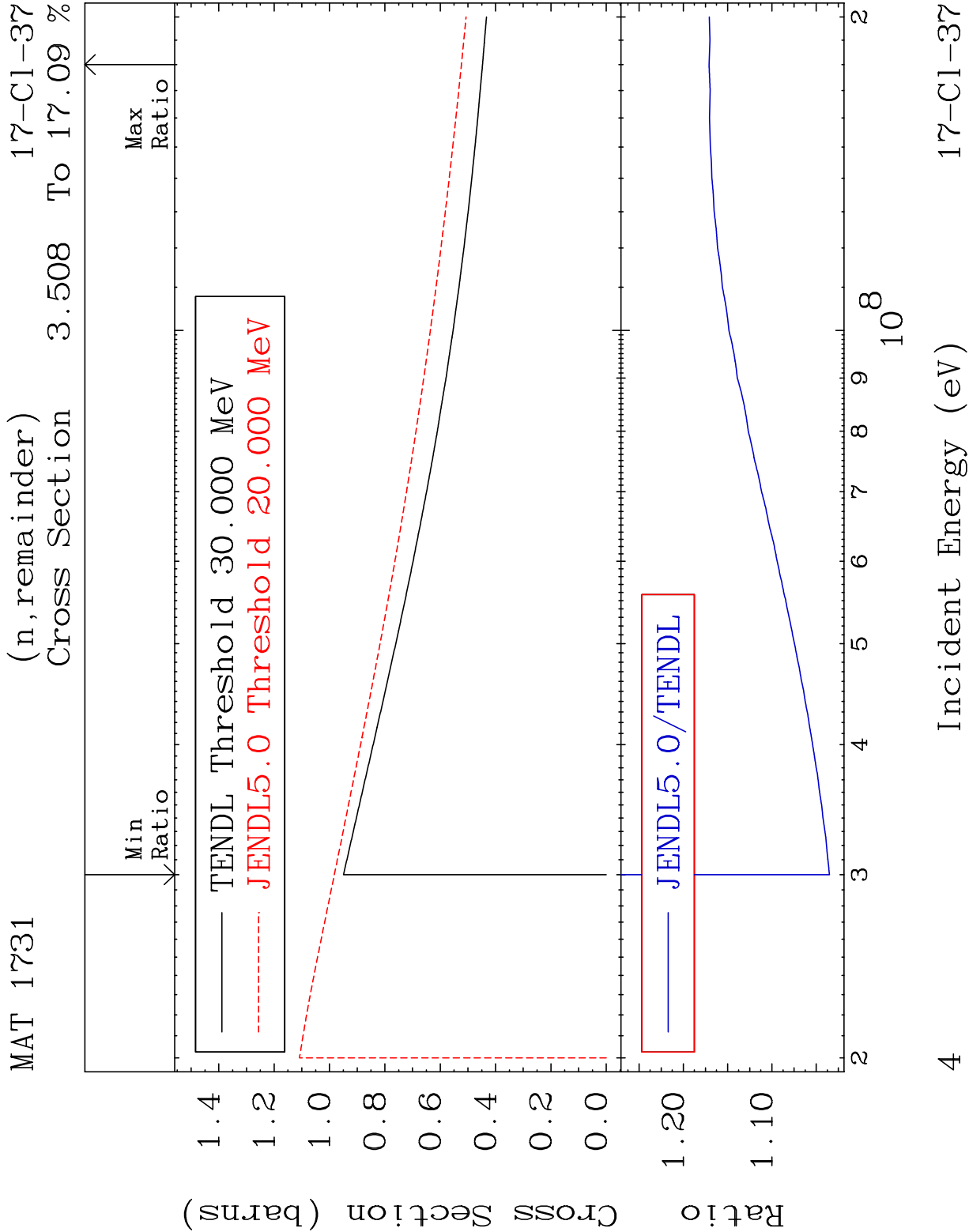
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

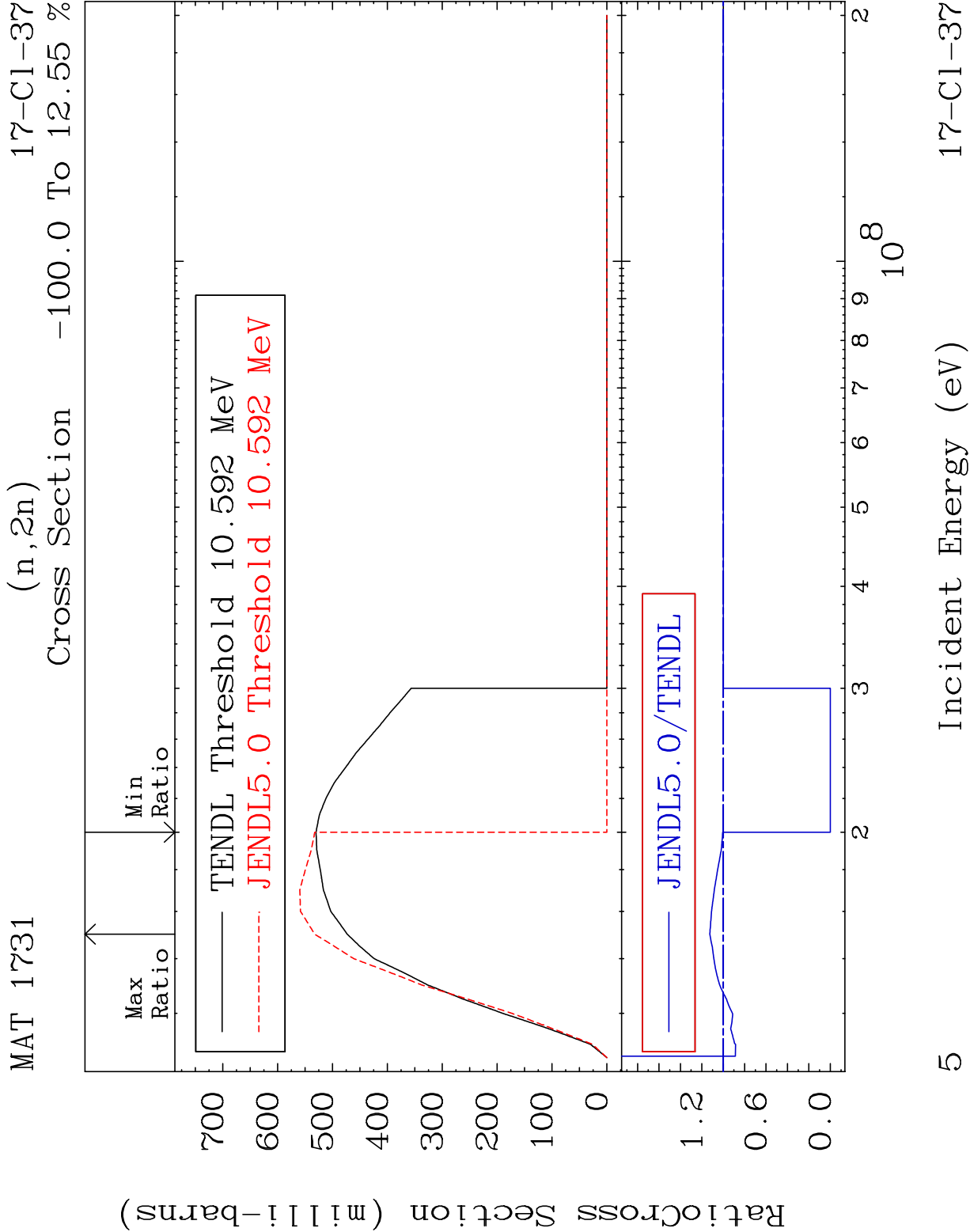
2

Incident Energy (eV)

17-Cl-37





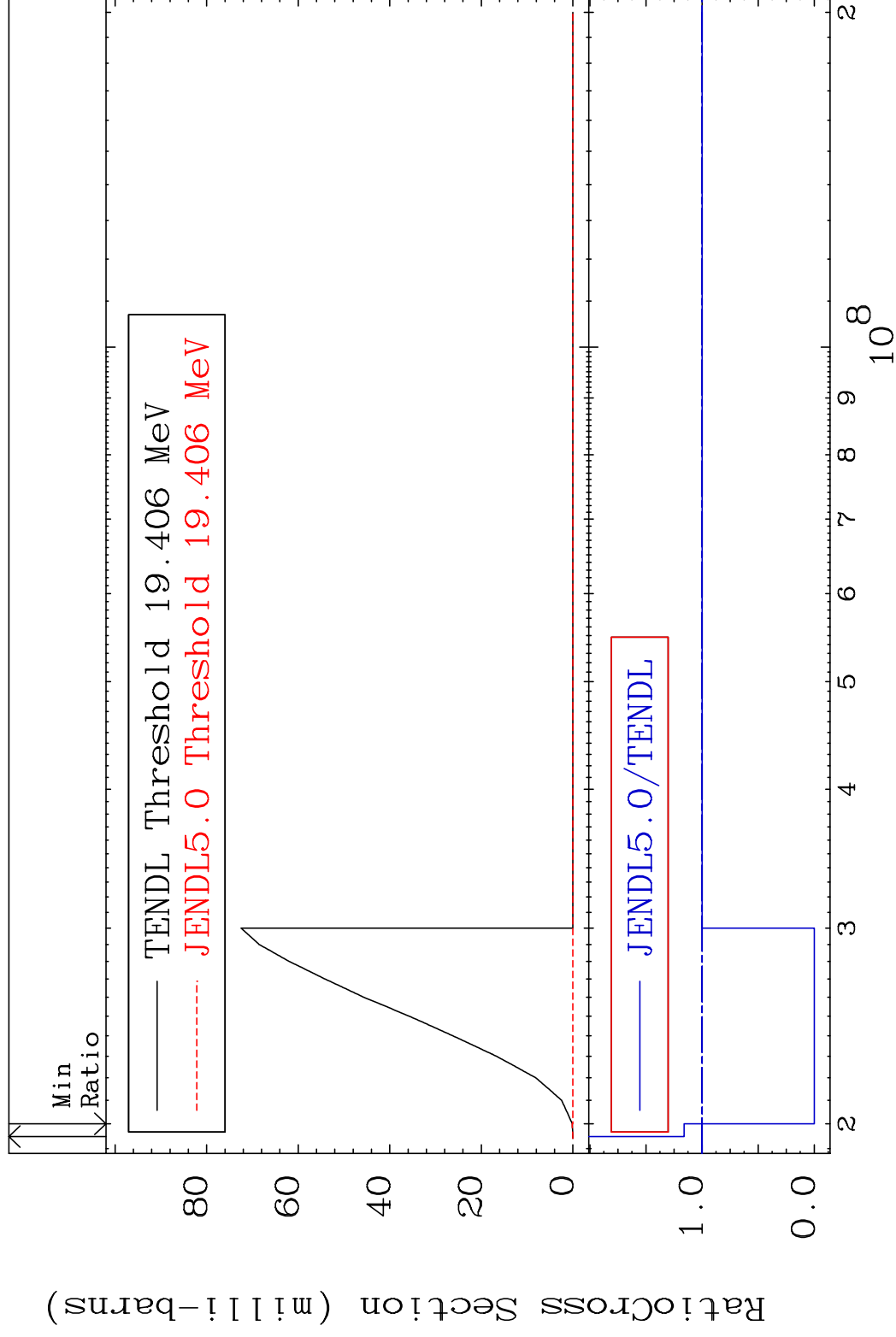


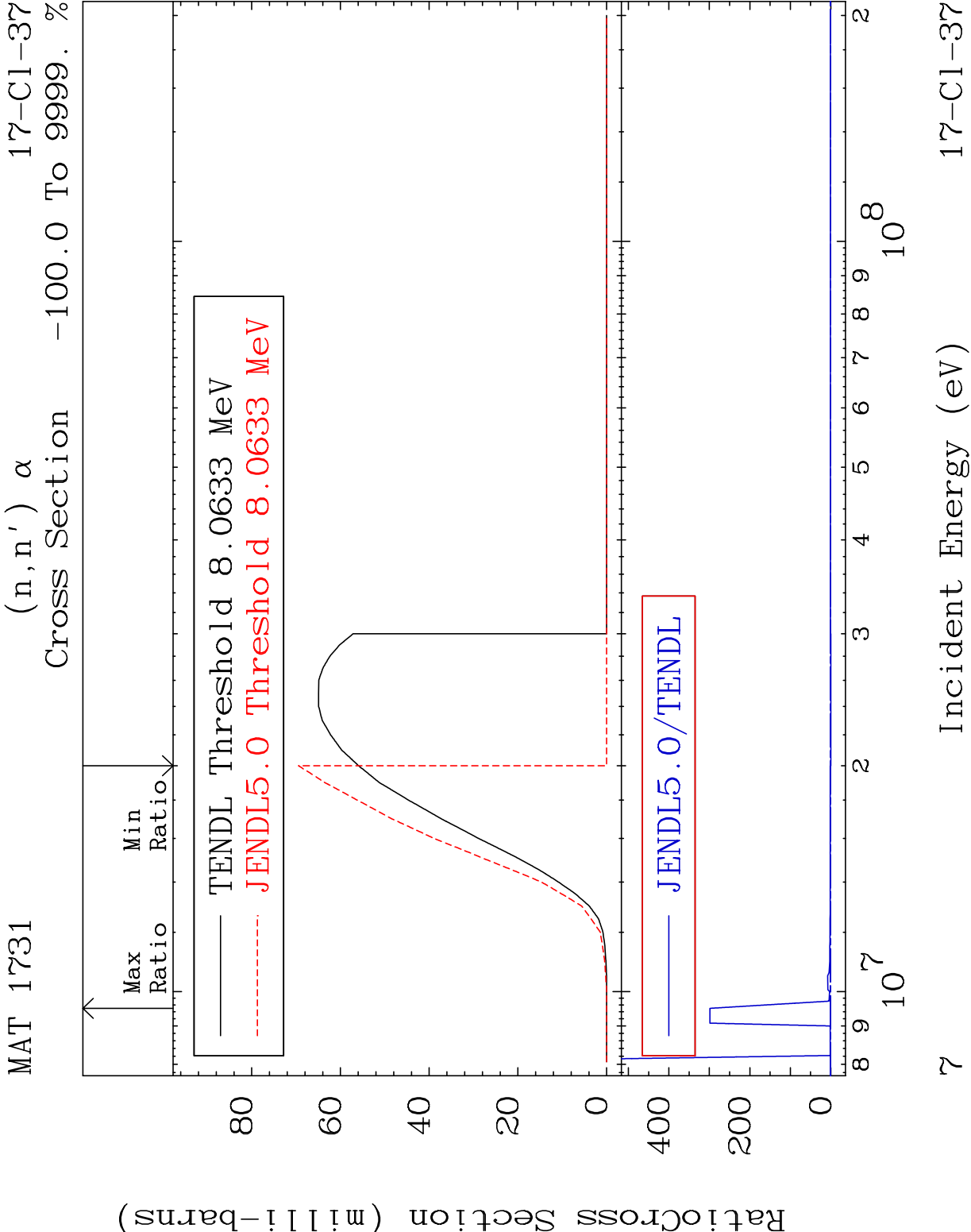
MAT 1731

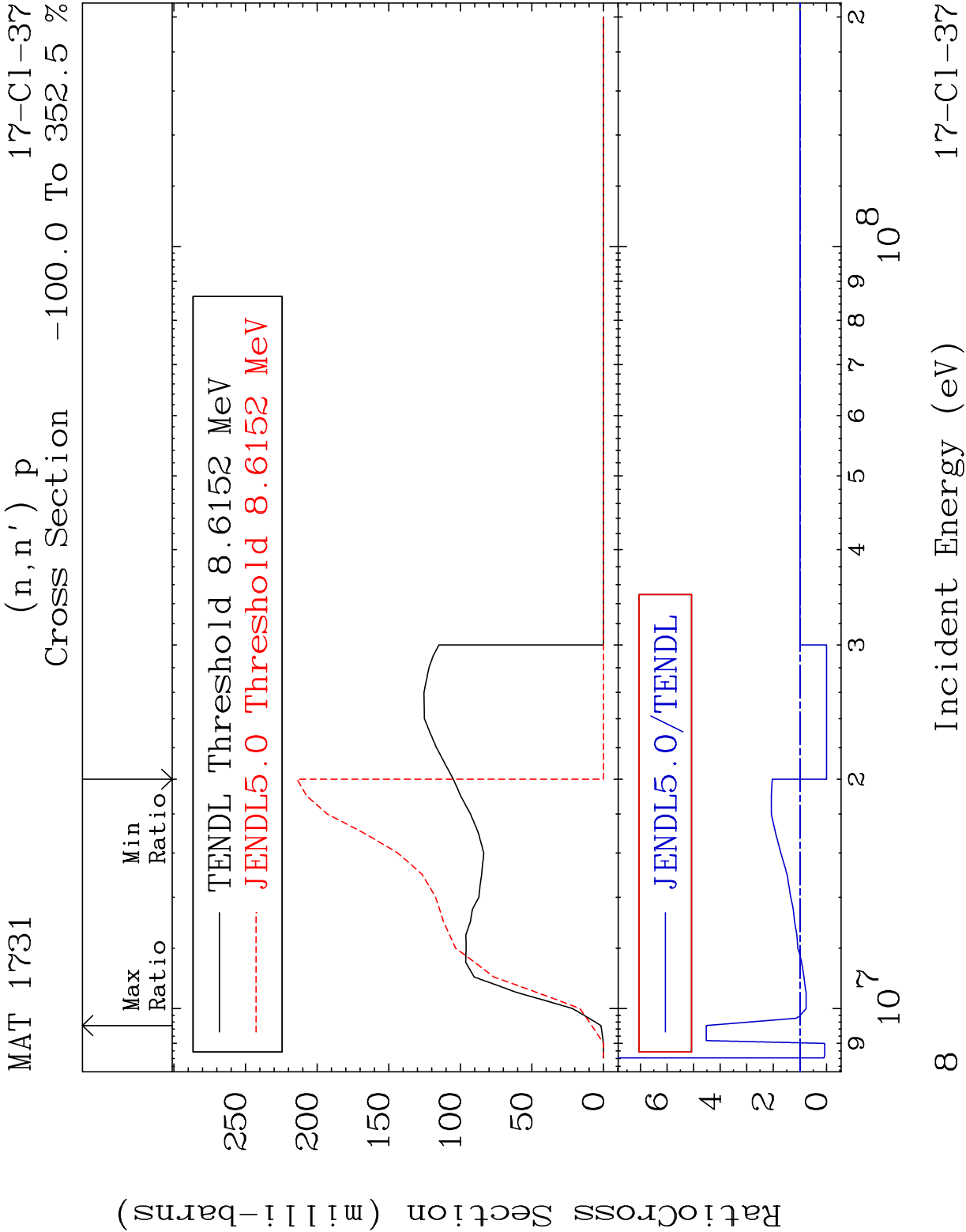
$$(n, 3n)$$

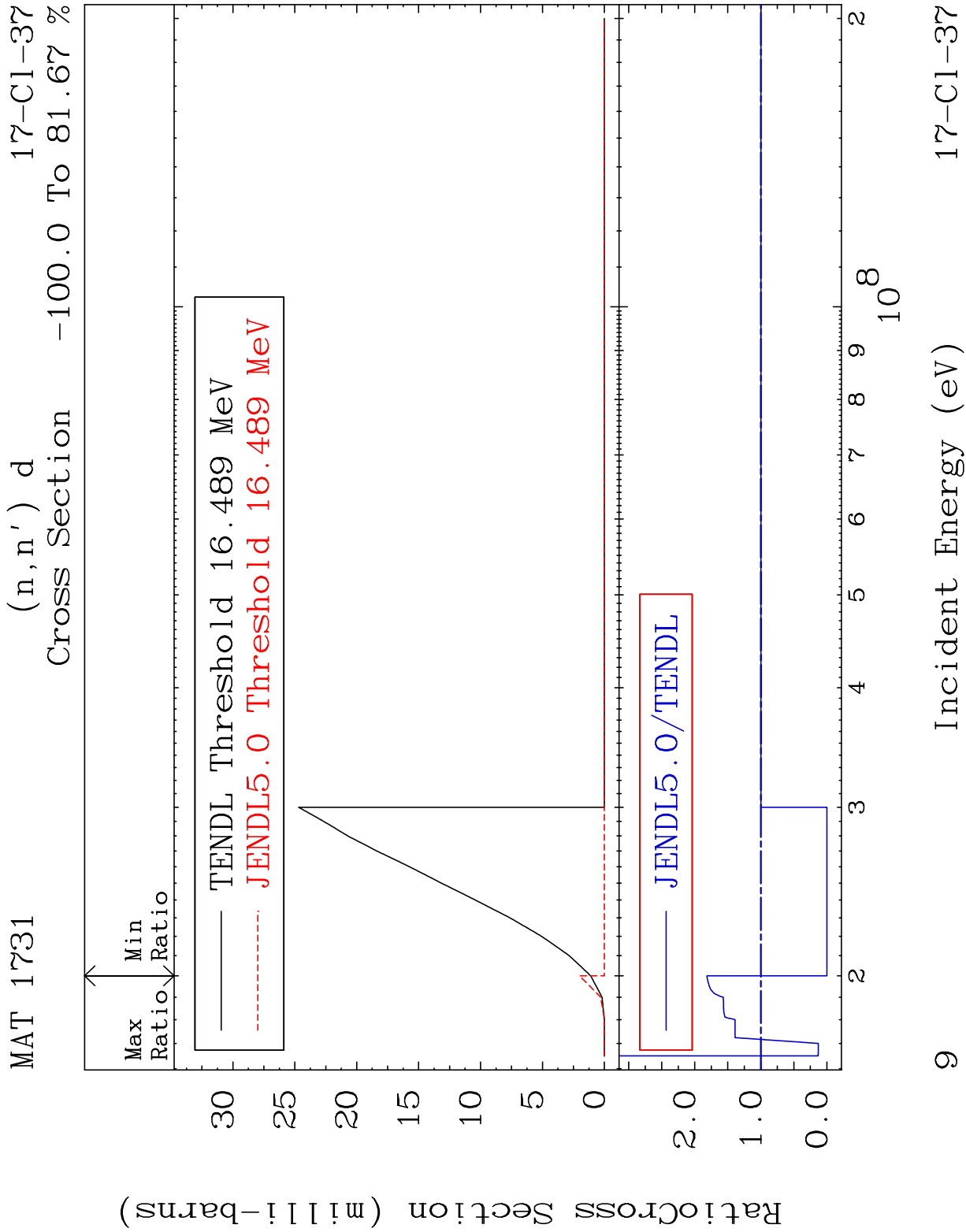
17-CI-37

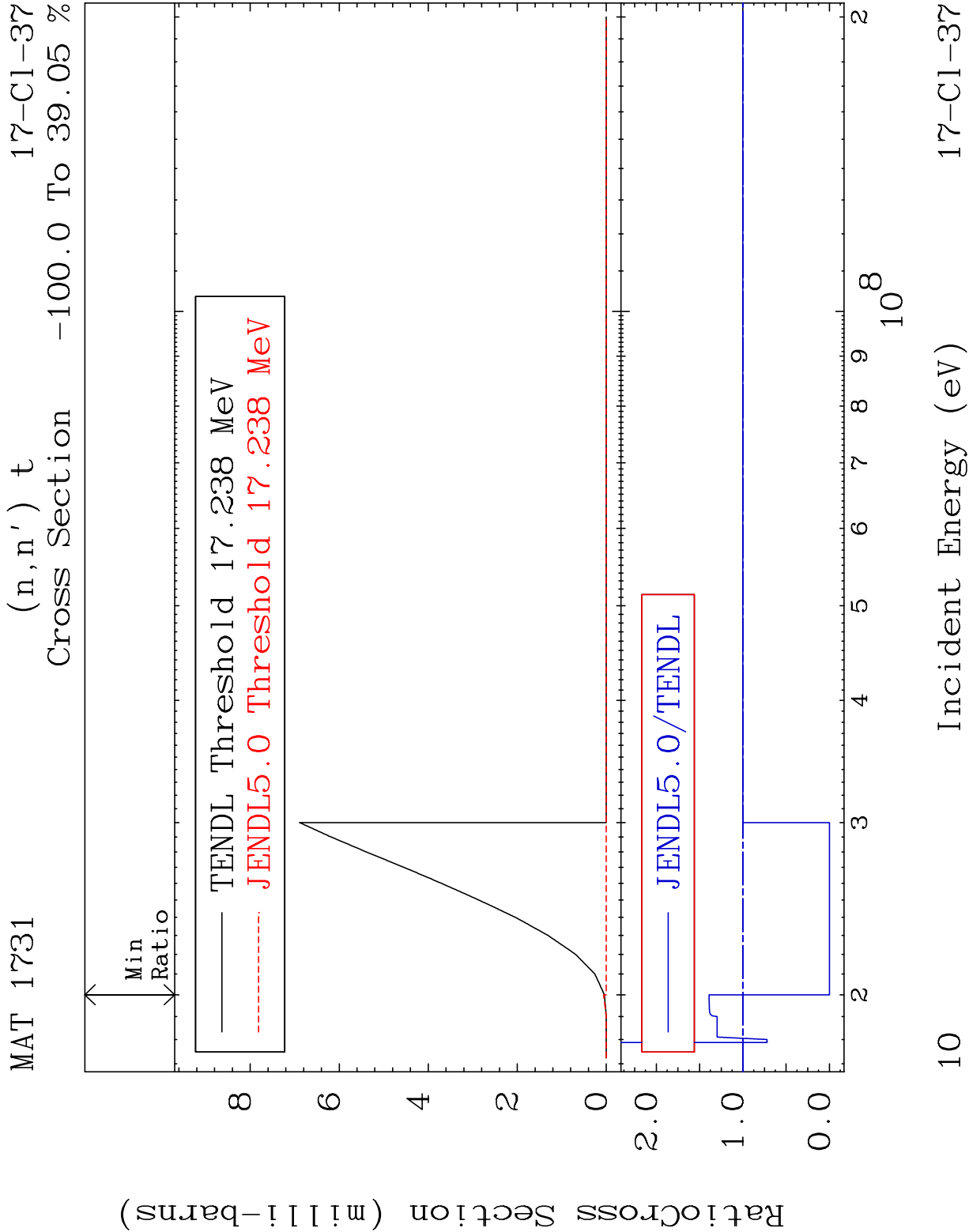
Cross Section

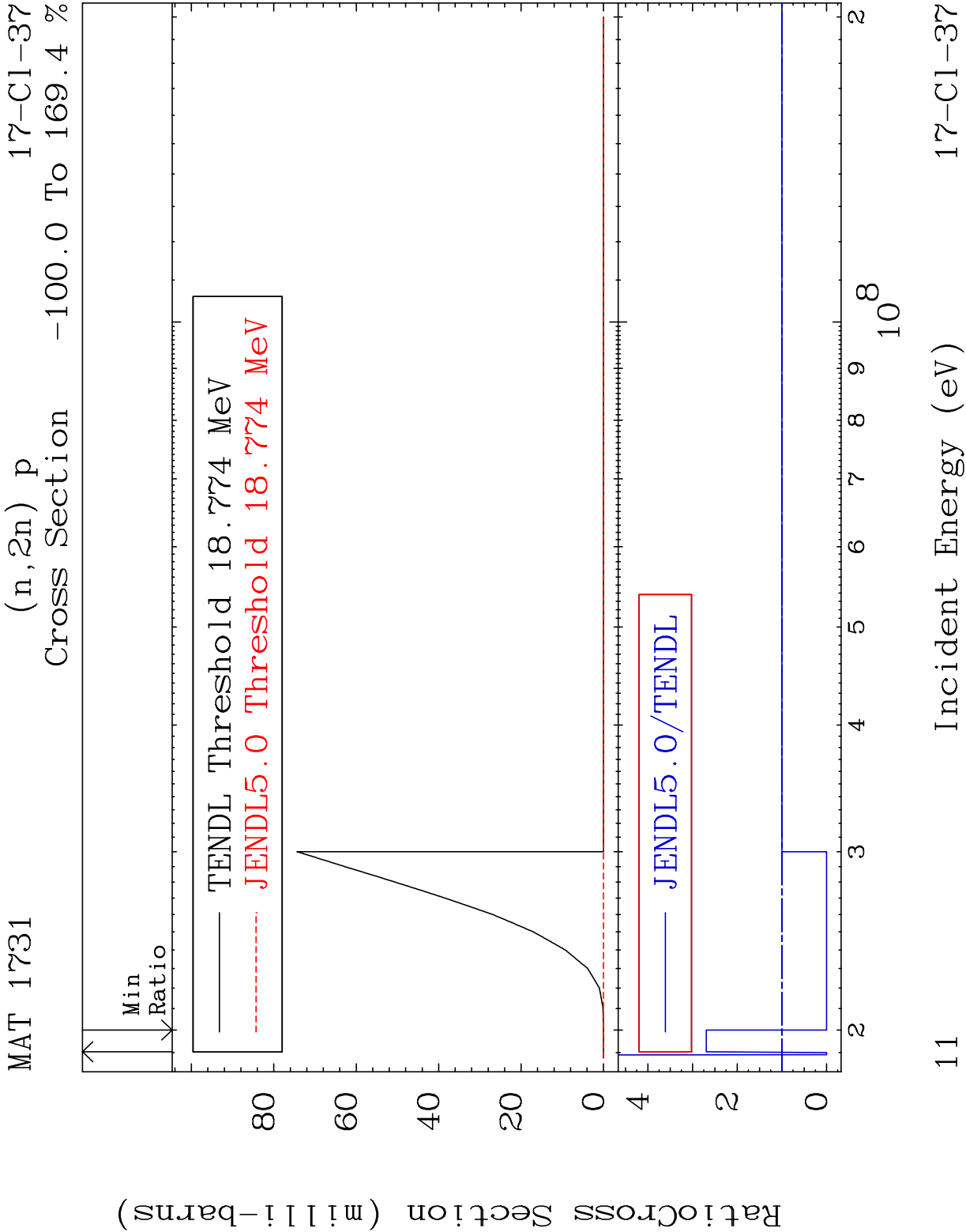


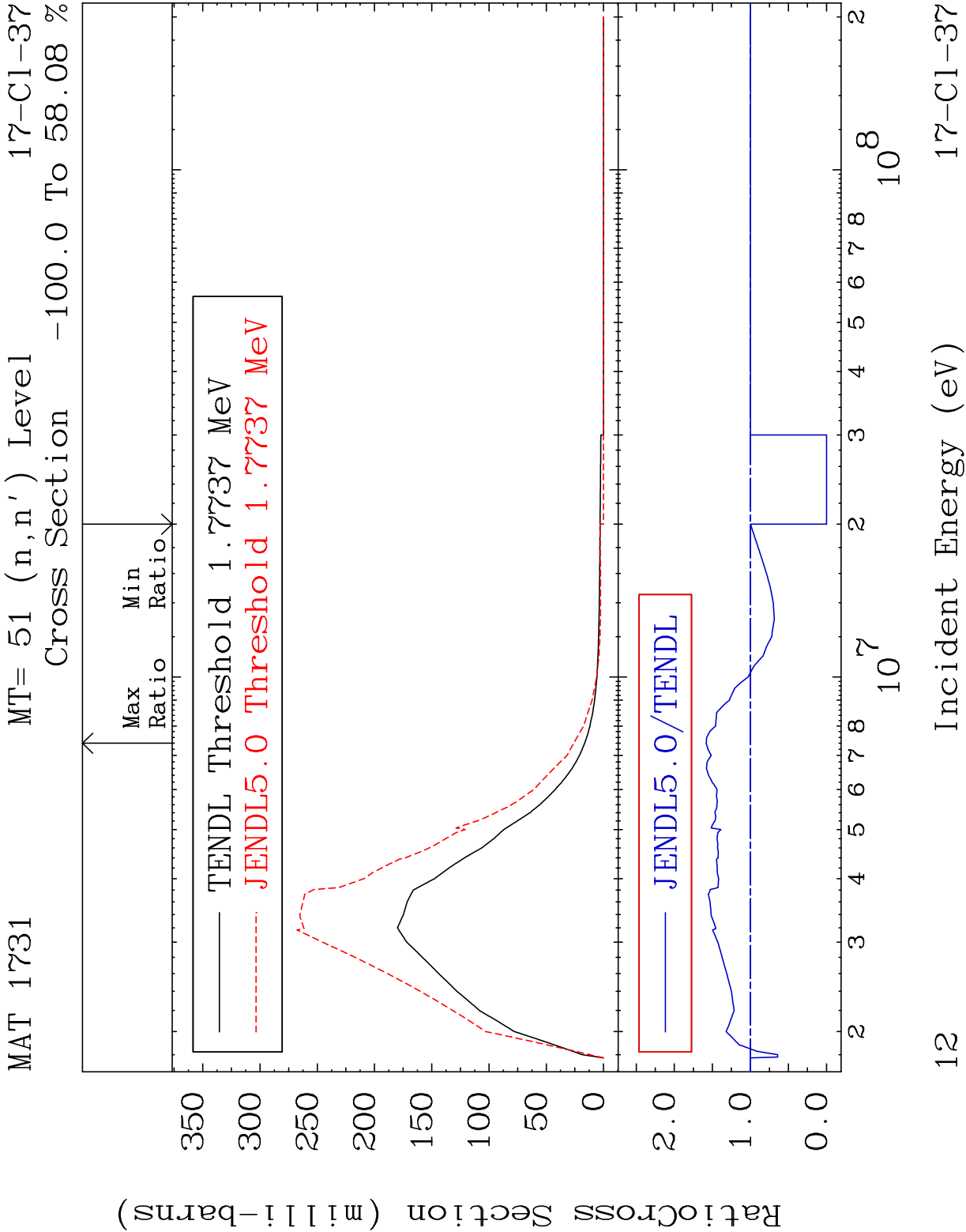


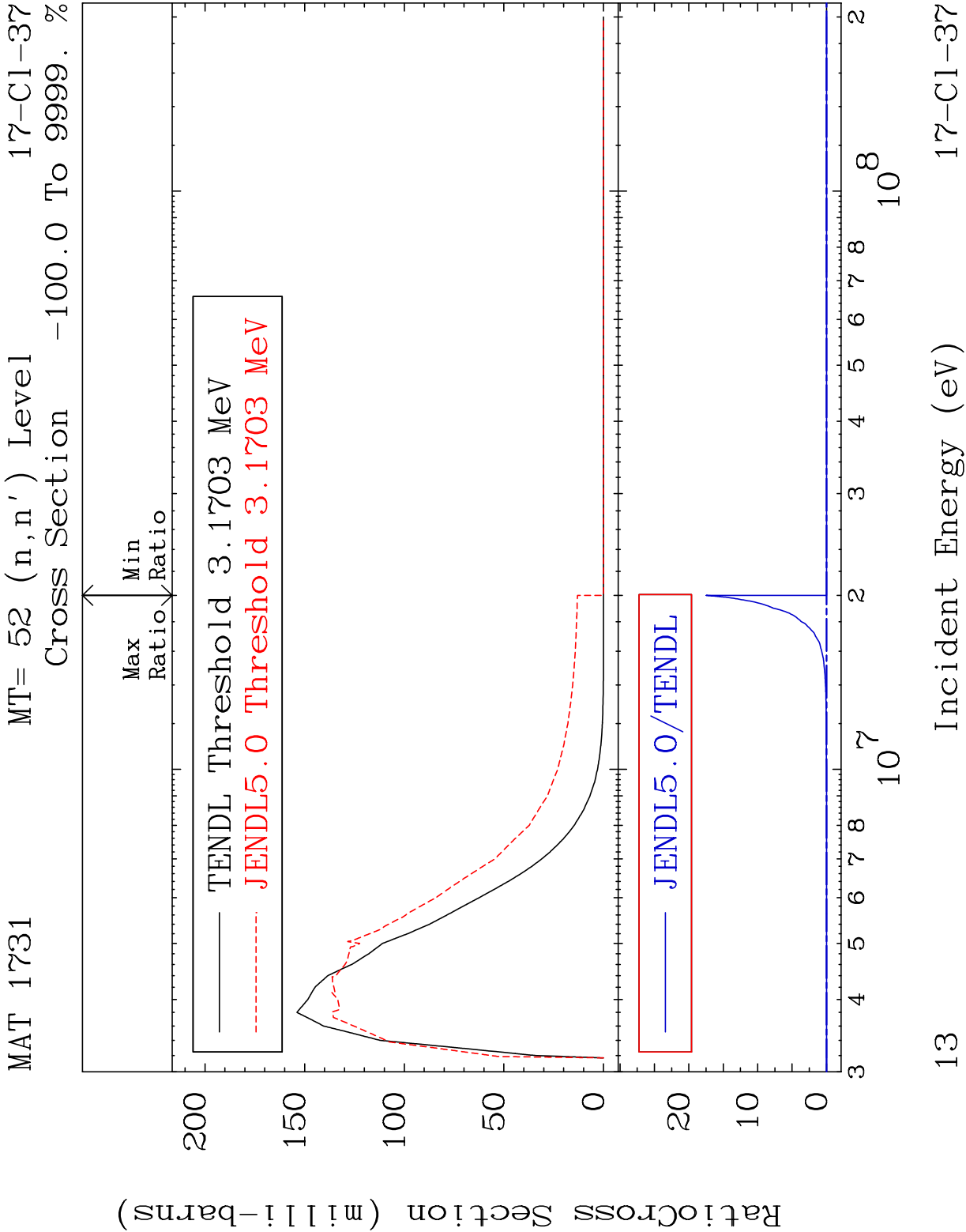










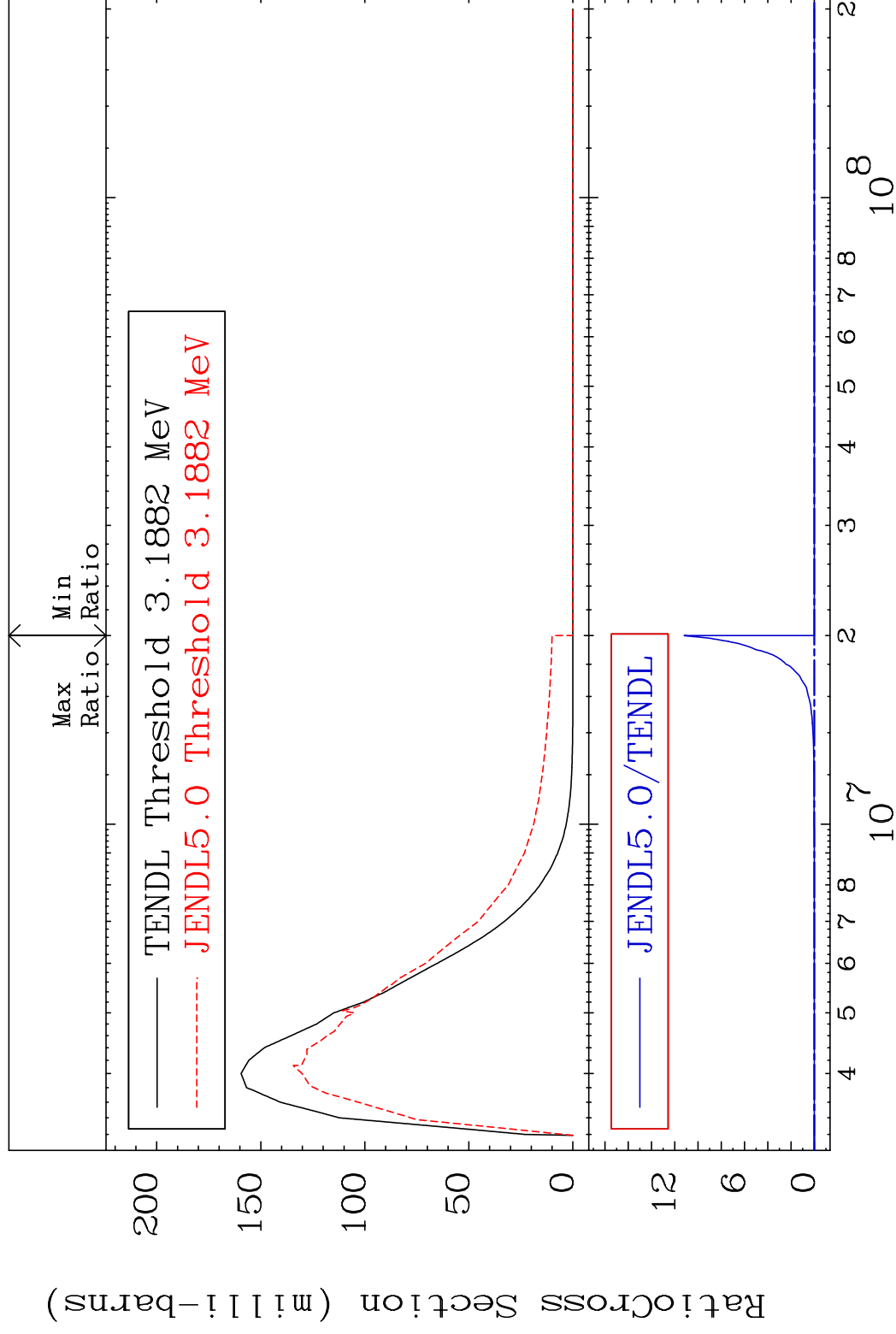


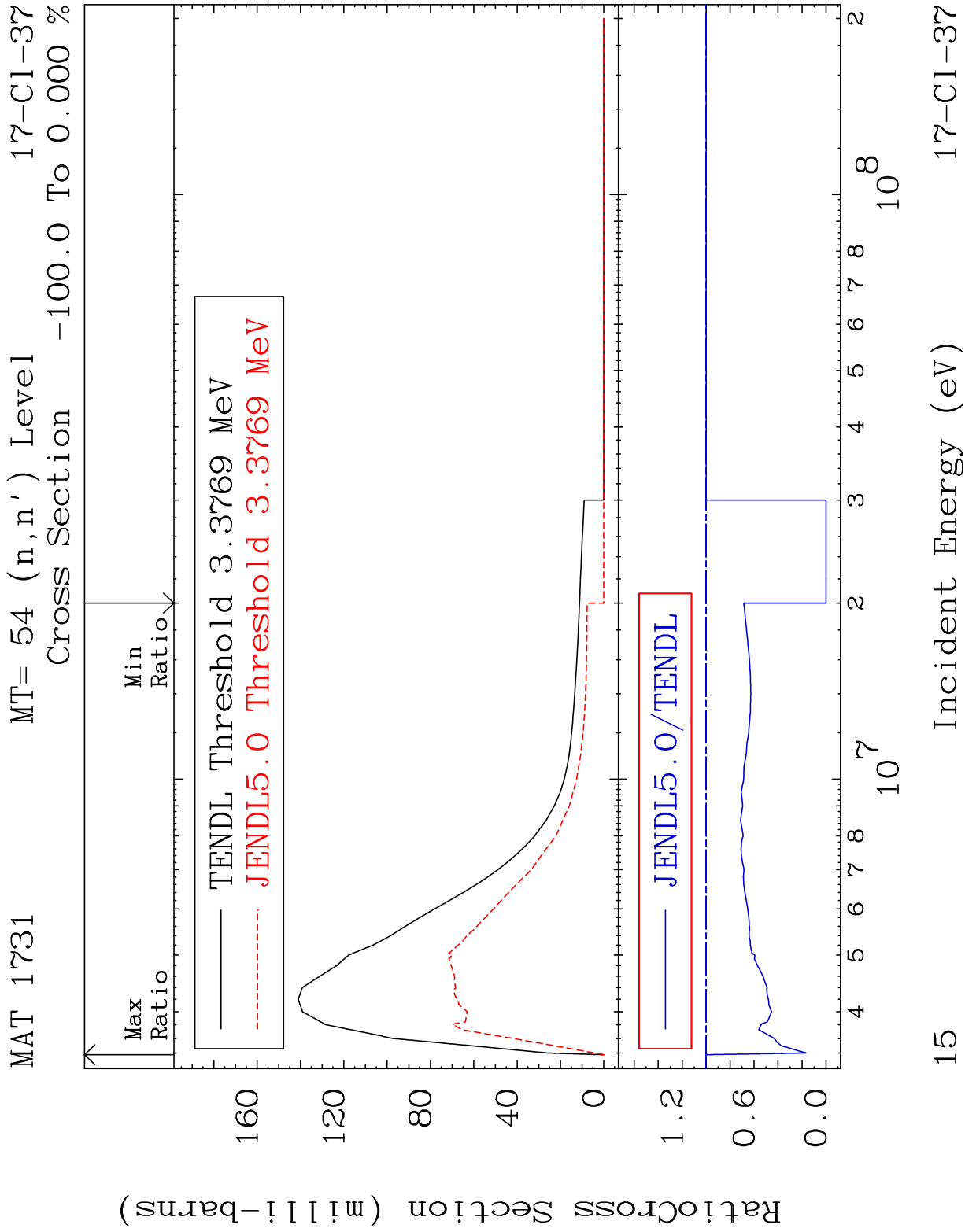
MAT 1731

MT= 53 (n, n') Level

17-CI-37

Cross Section -100.0 To 9999. %



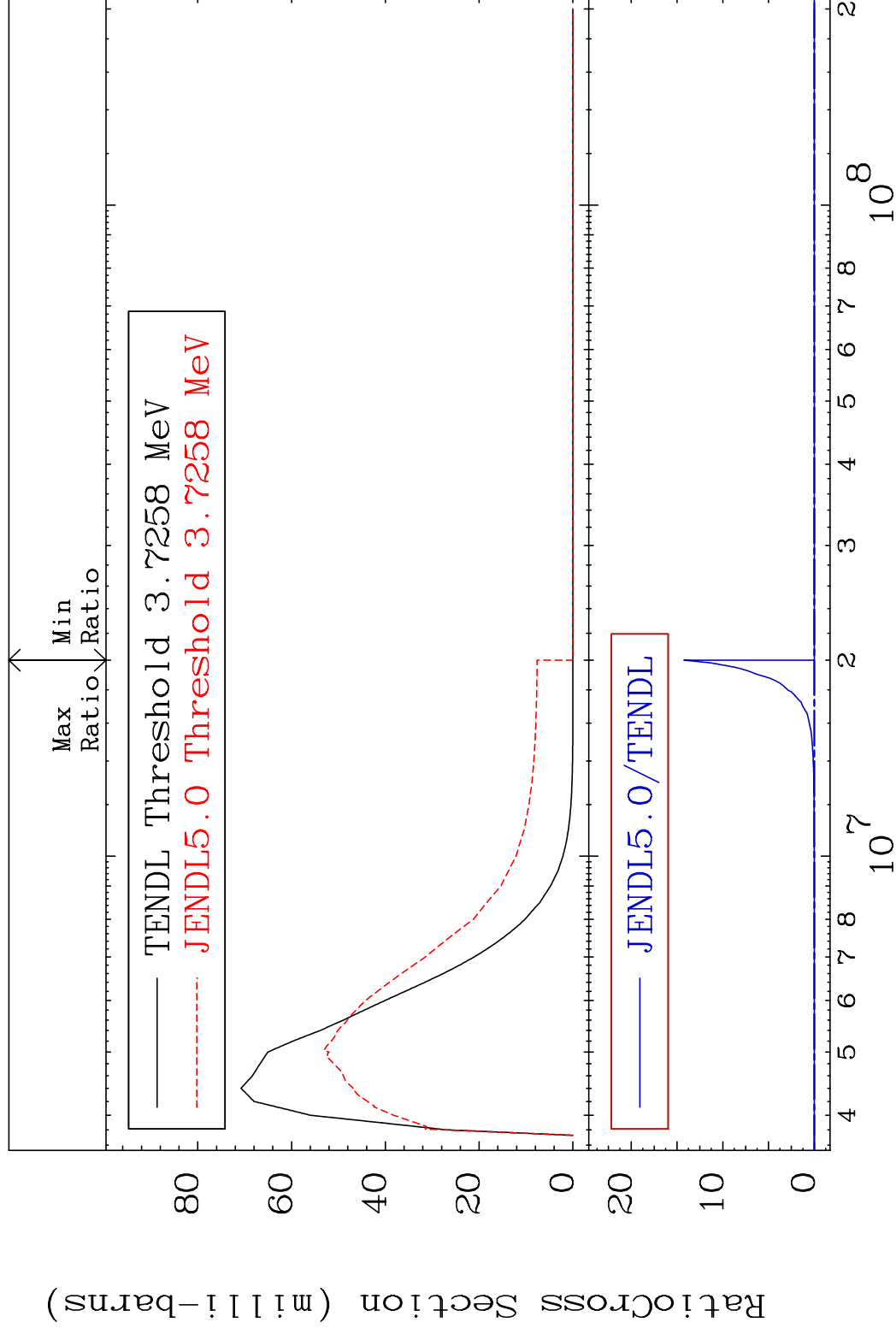


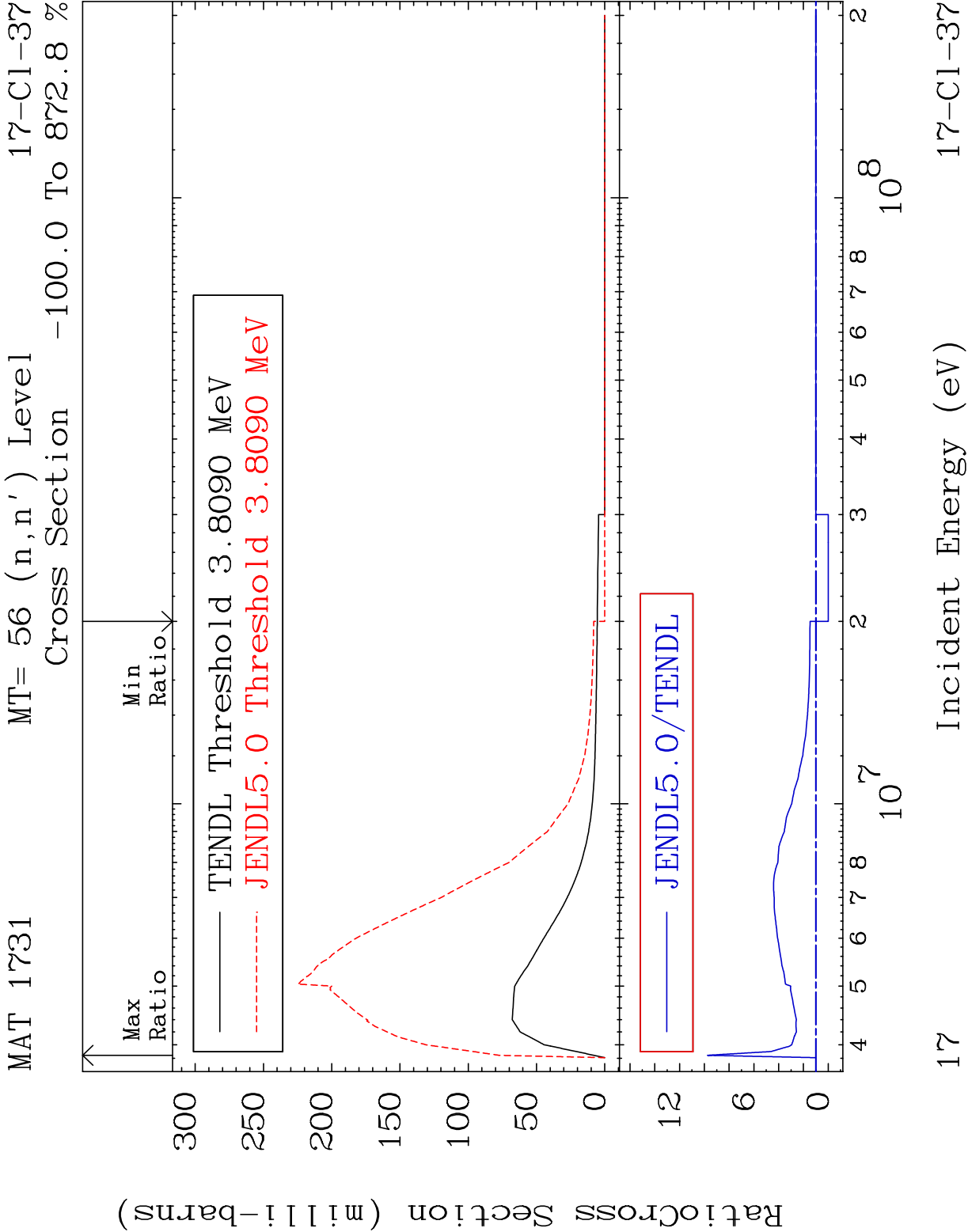
MAT 1731

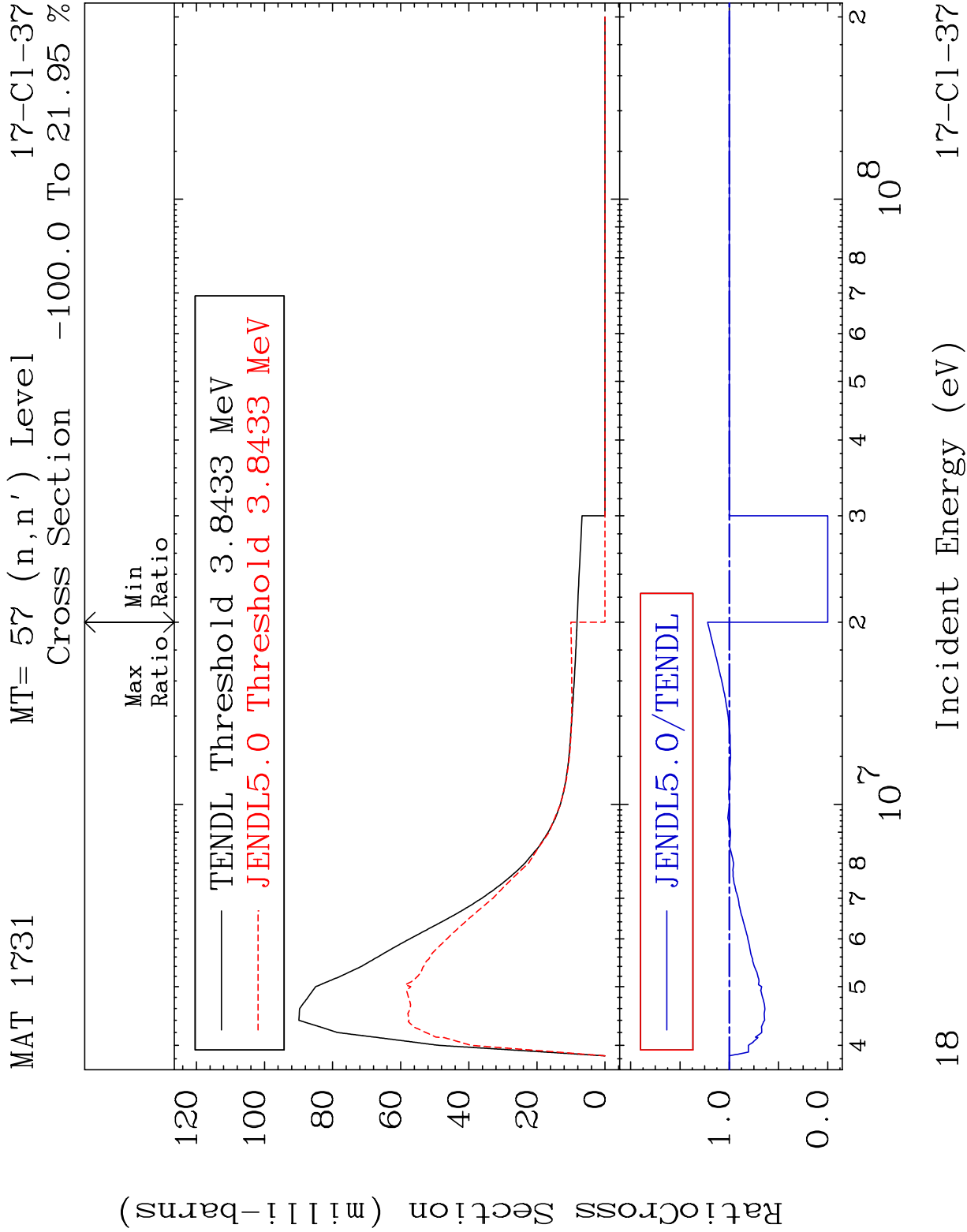
MT= 55 (n, n') Level

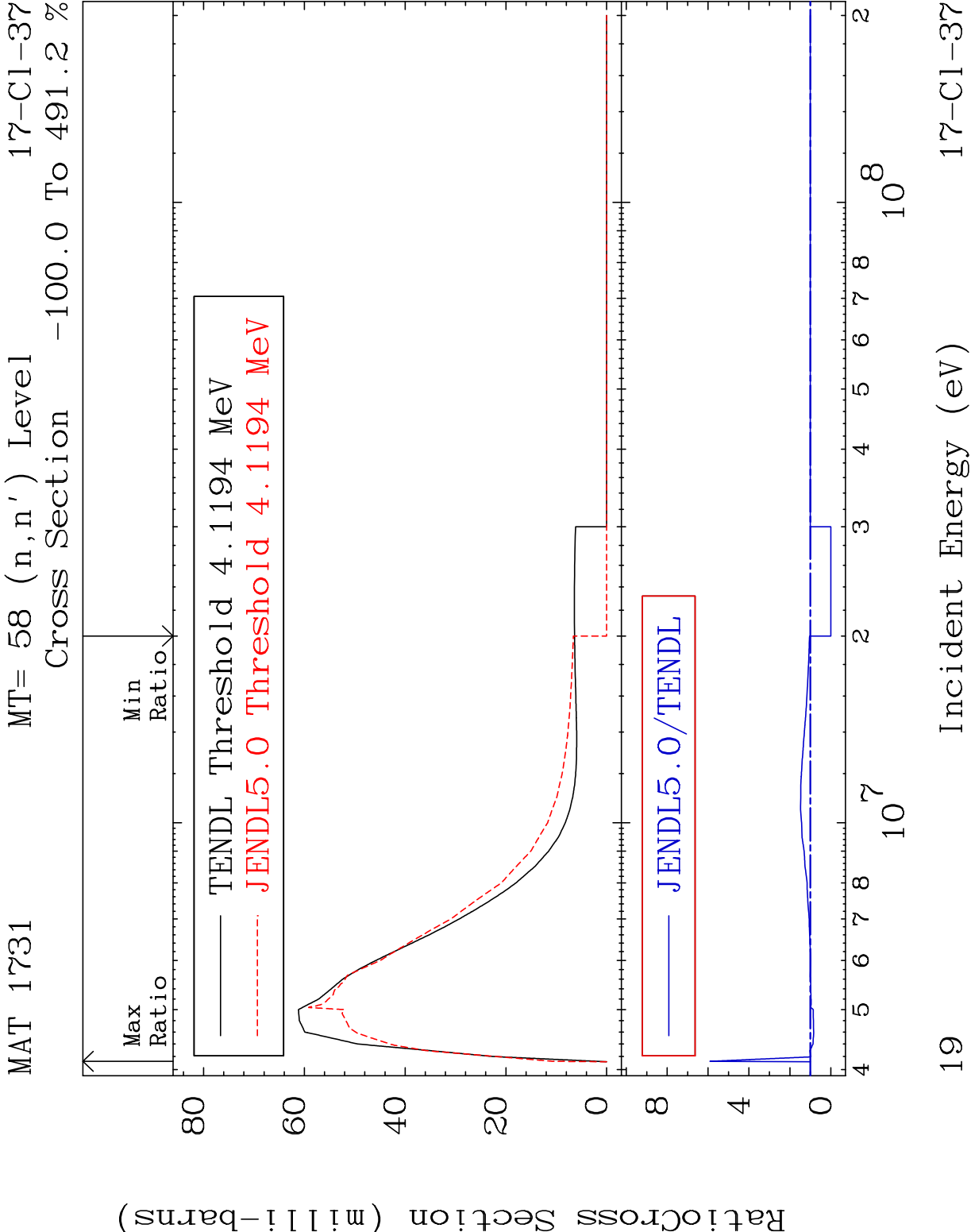
17-CI-37

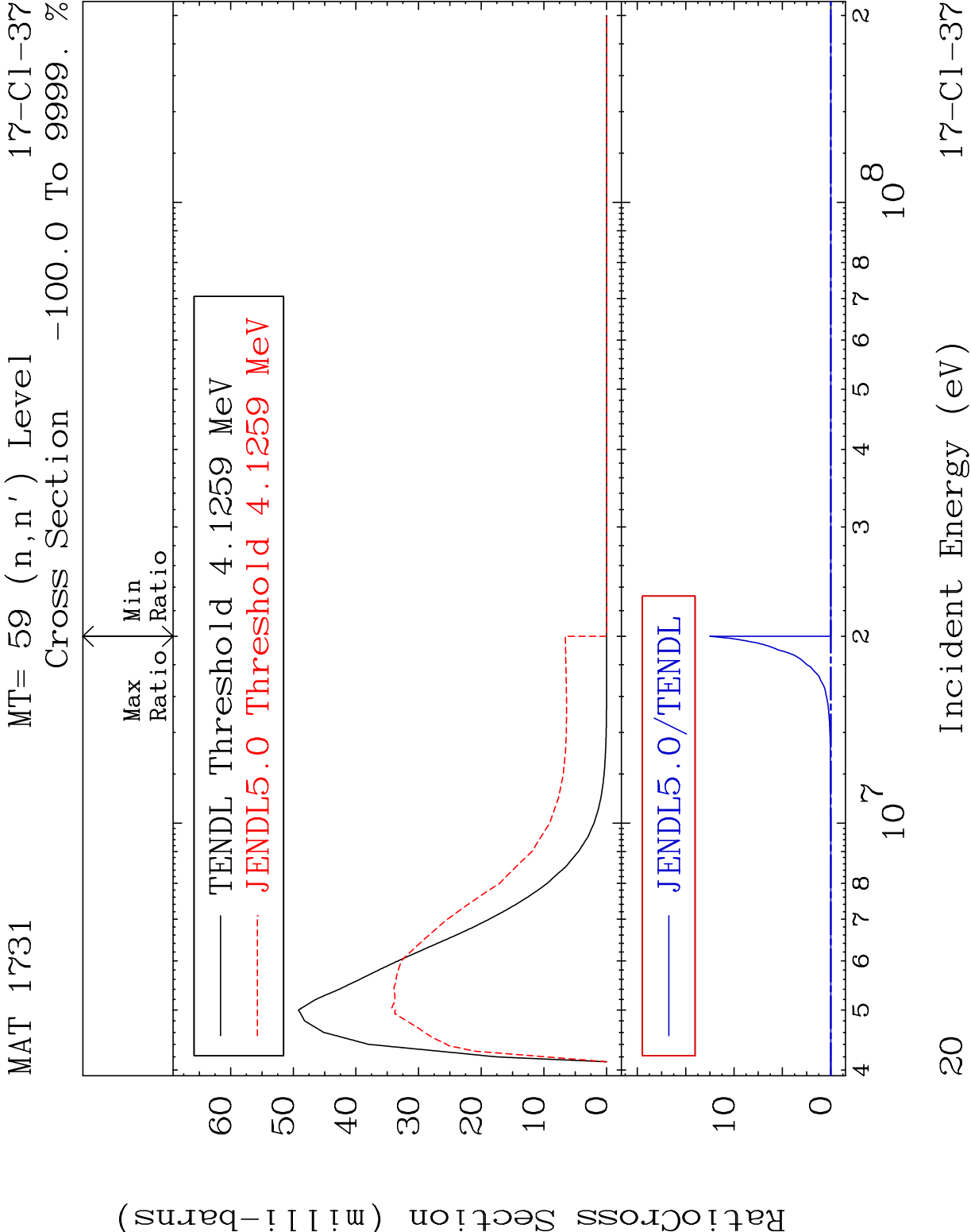
Cross Section -100.0 To 9999. %

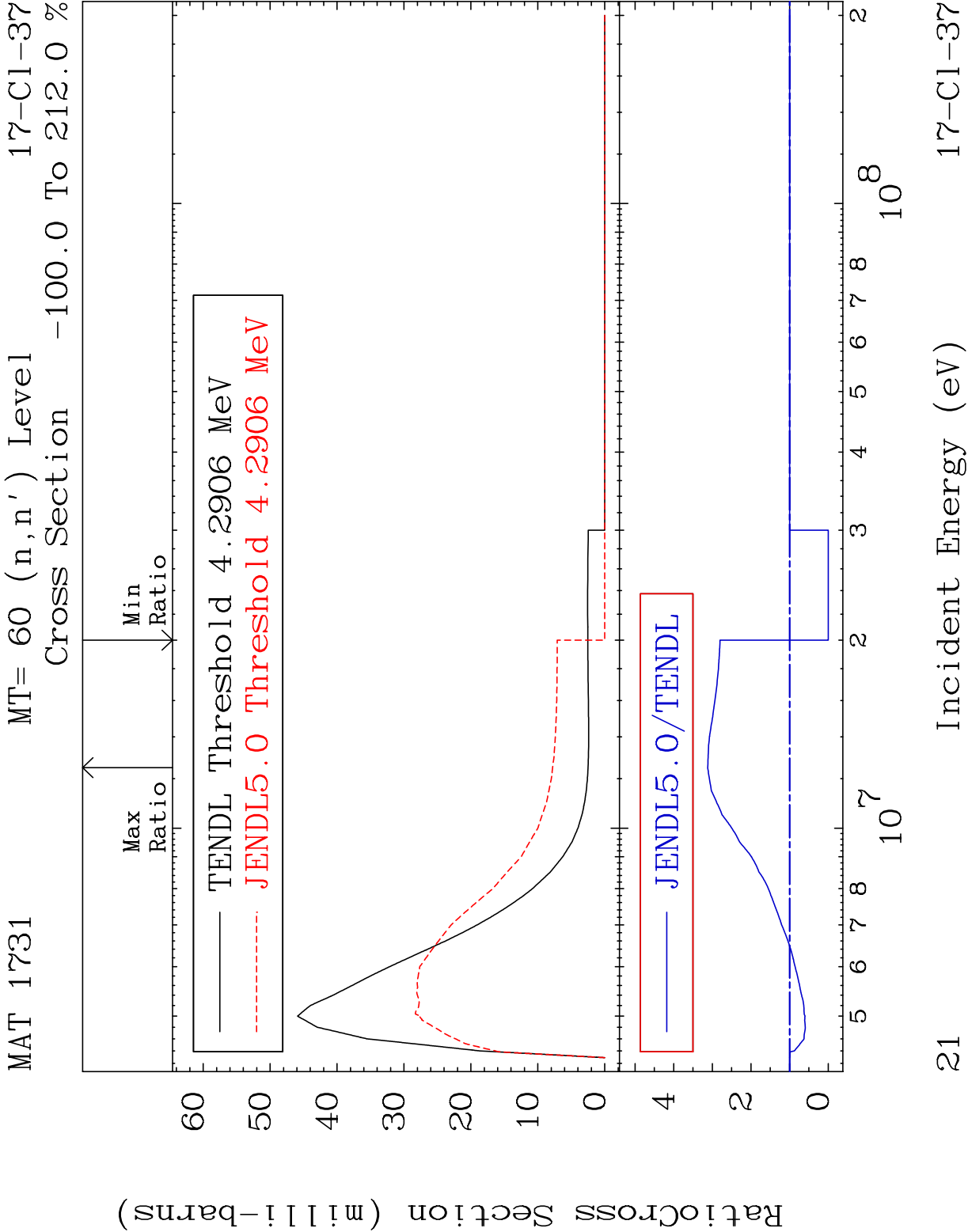


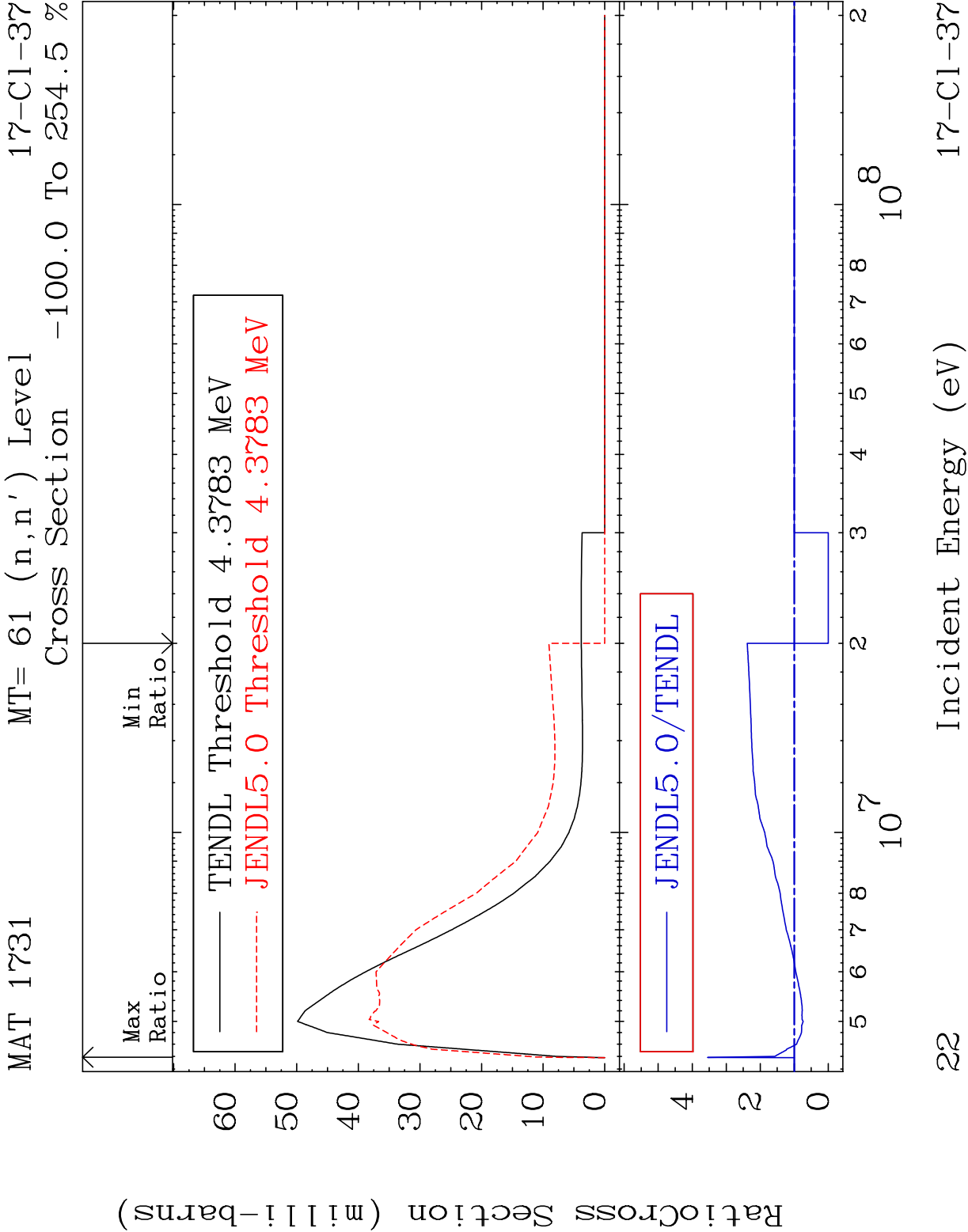


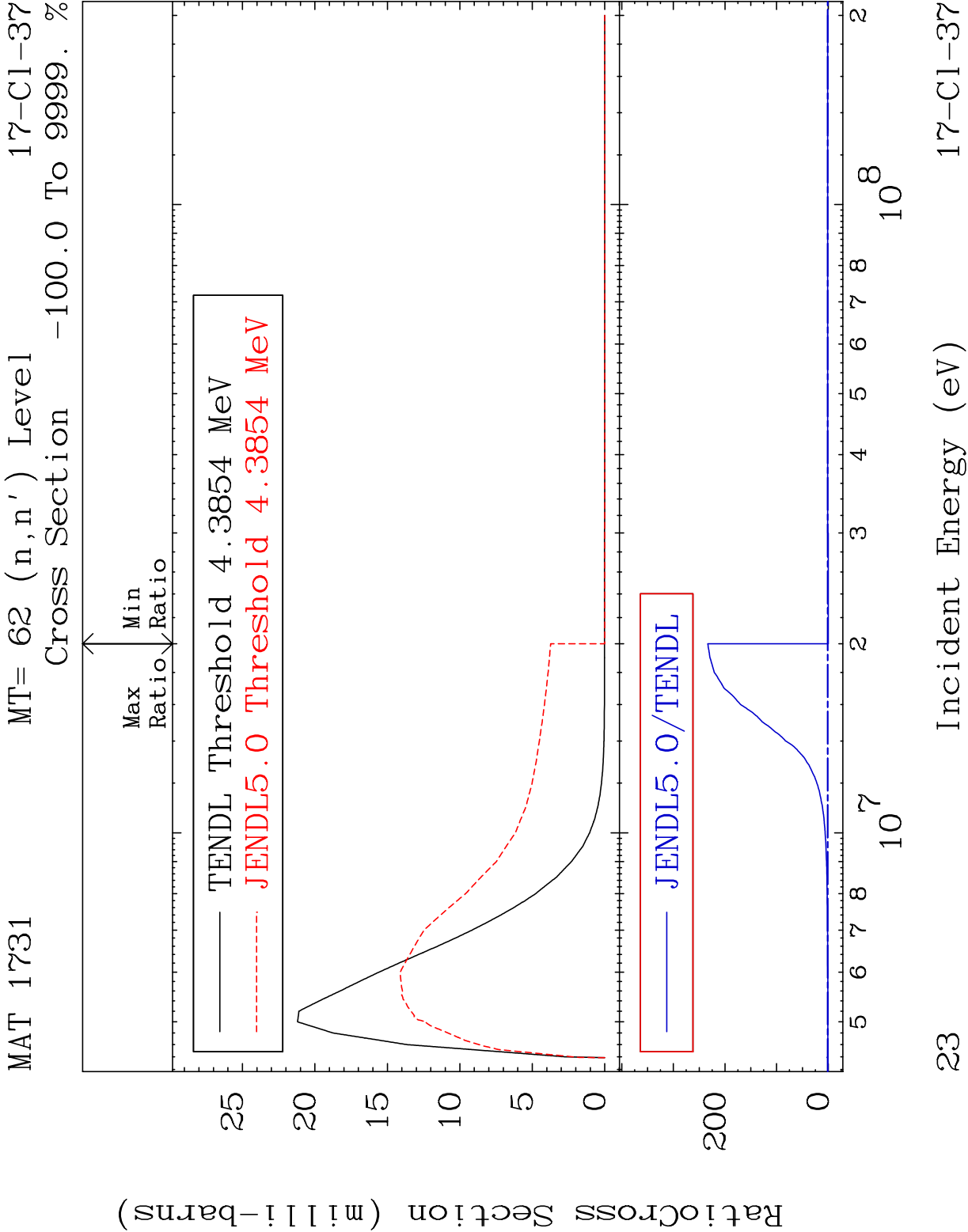


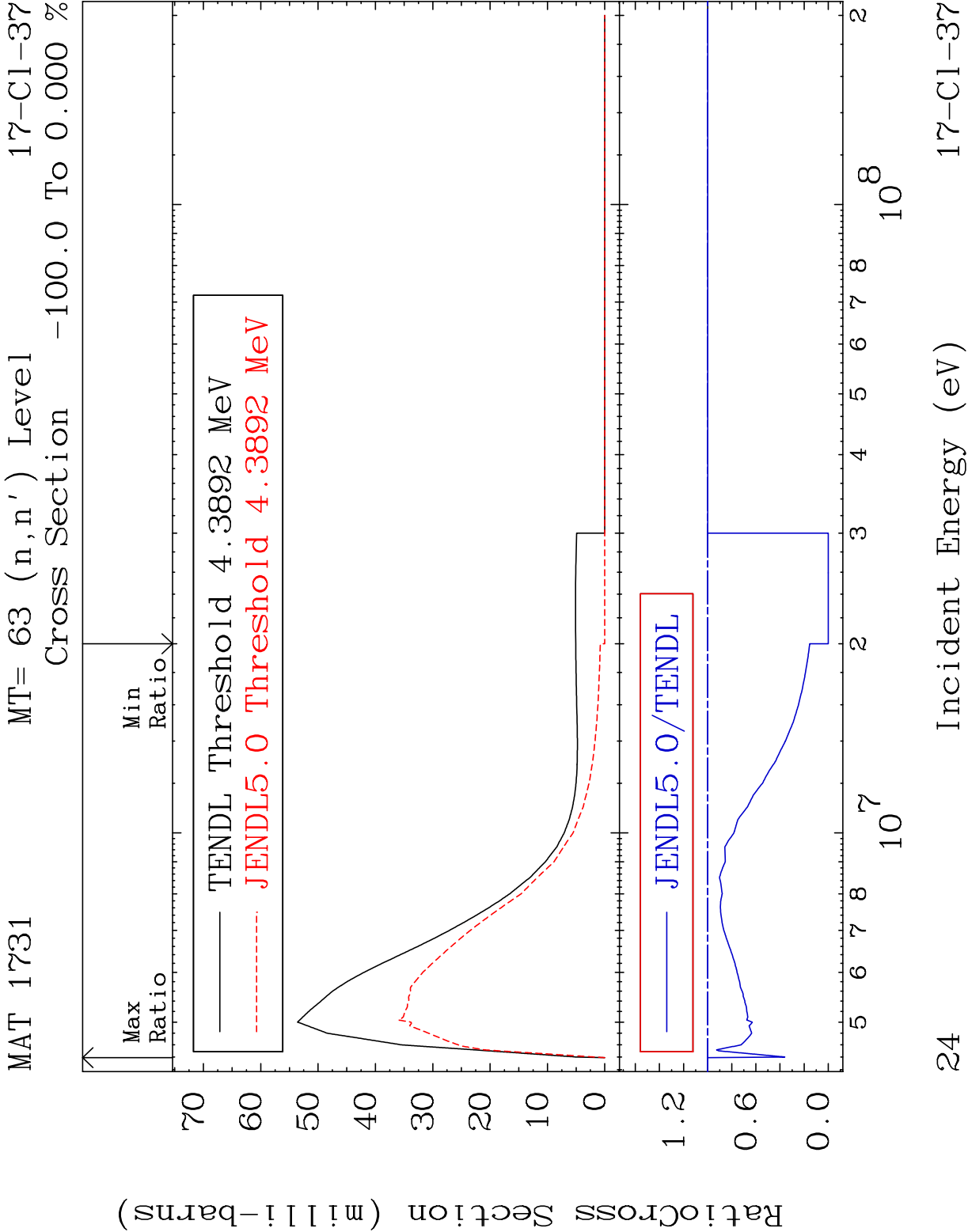


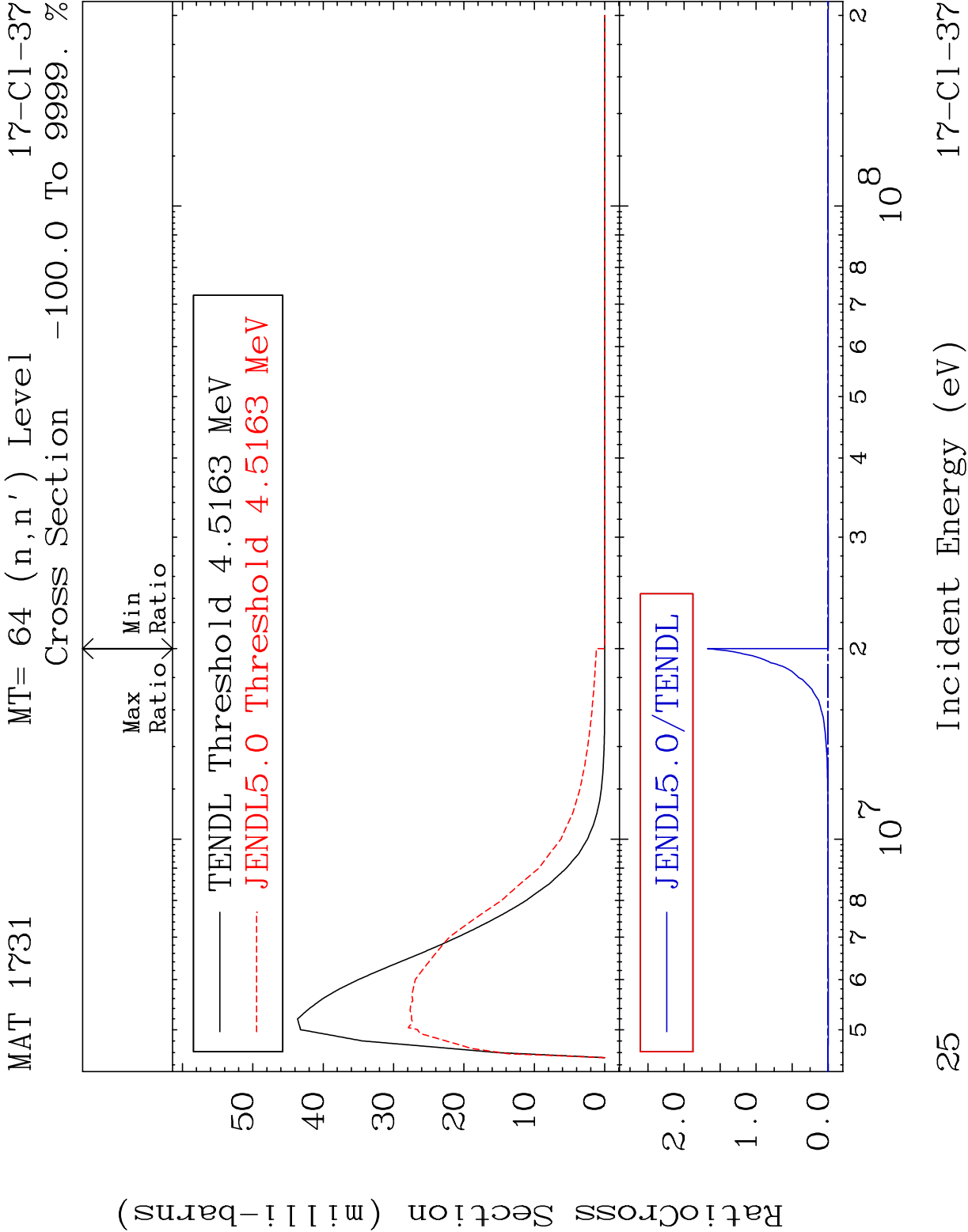


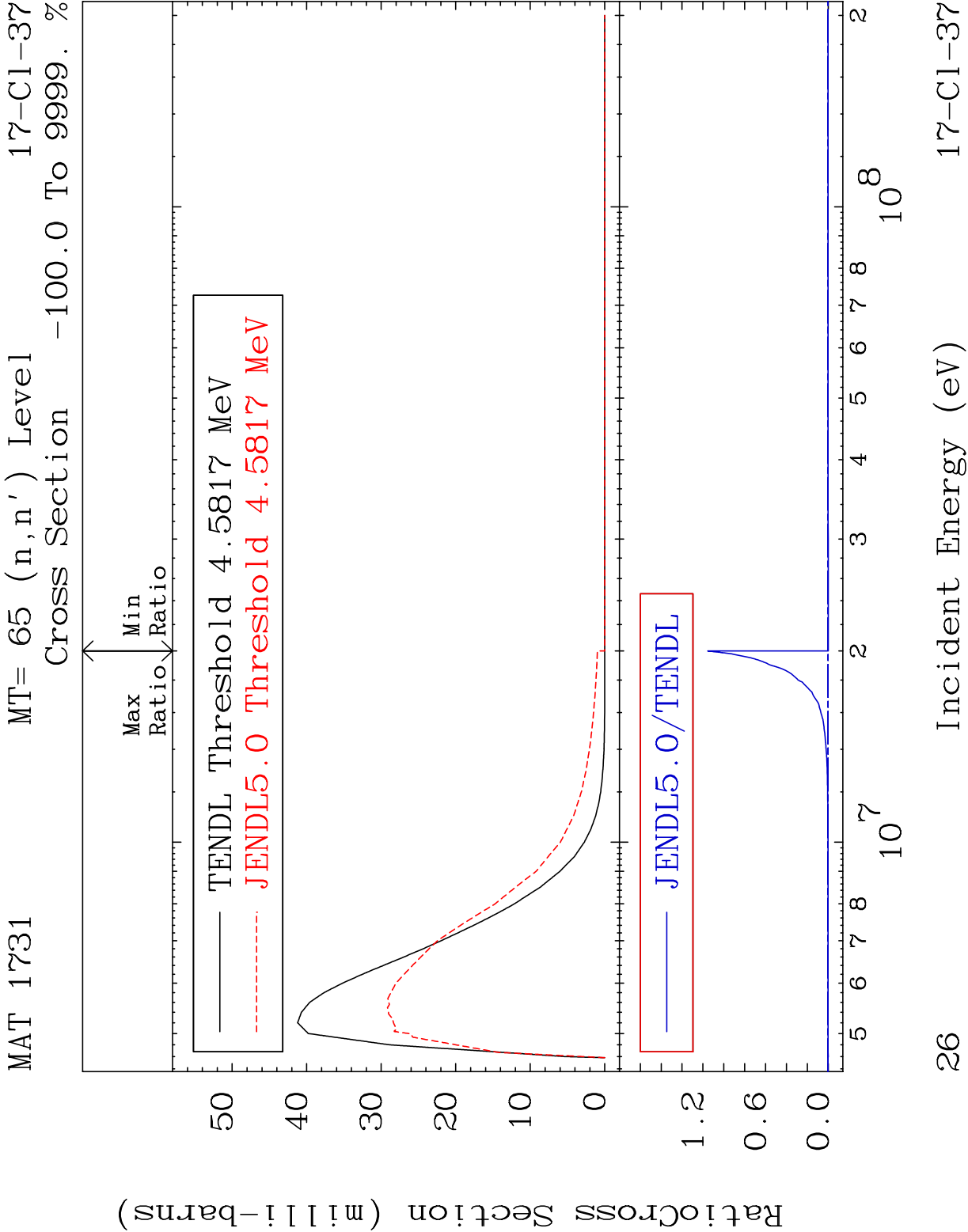




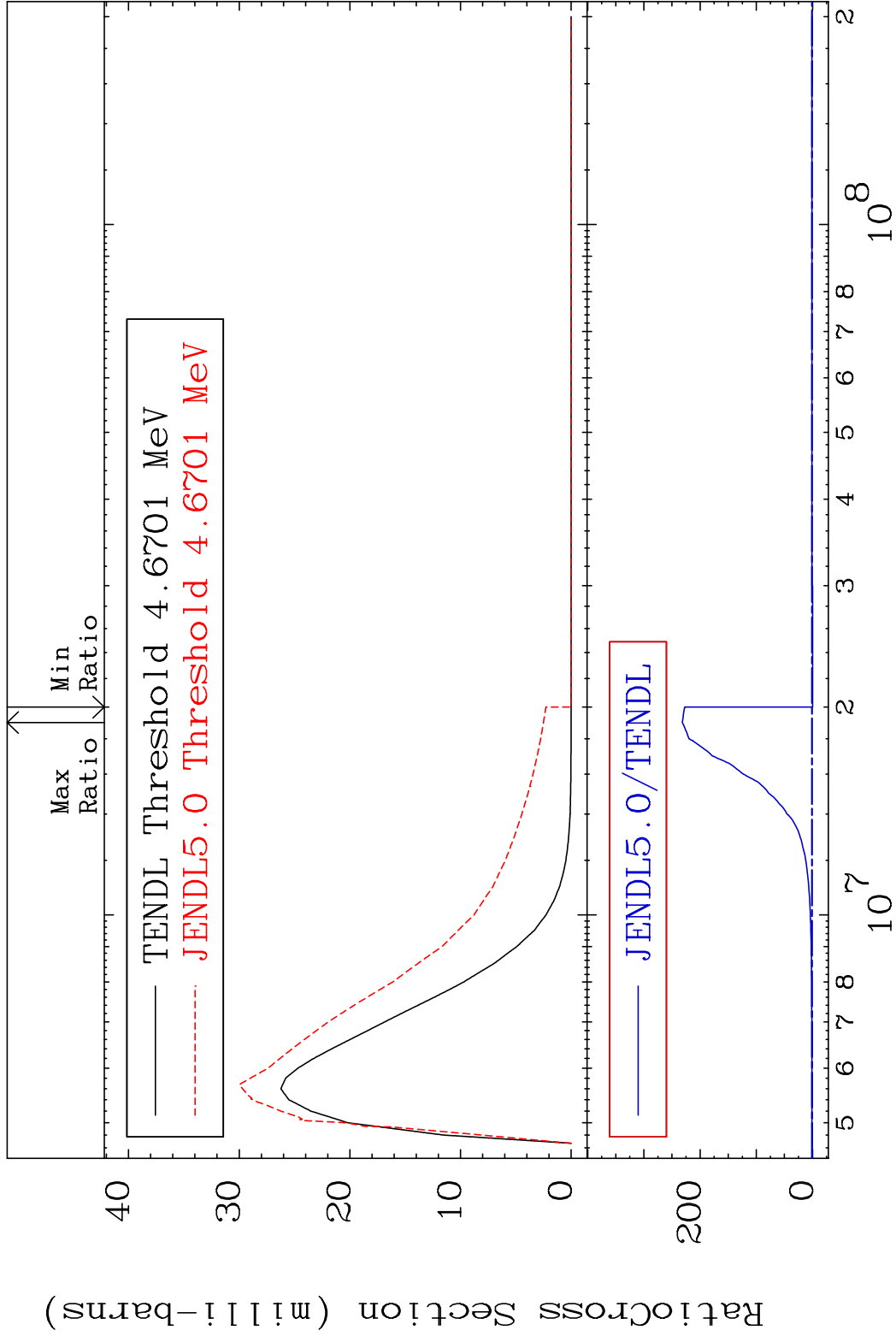




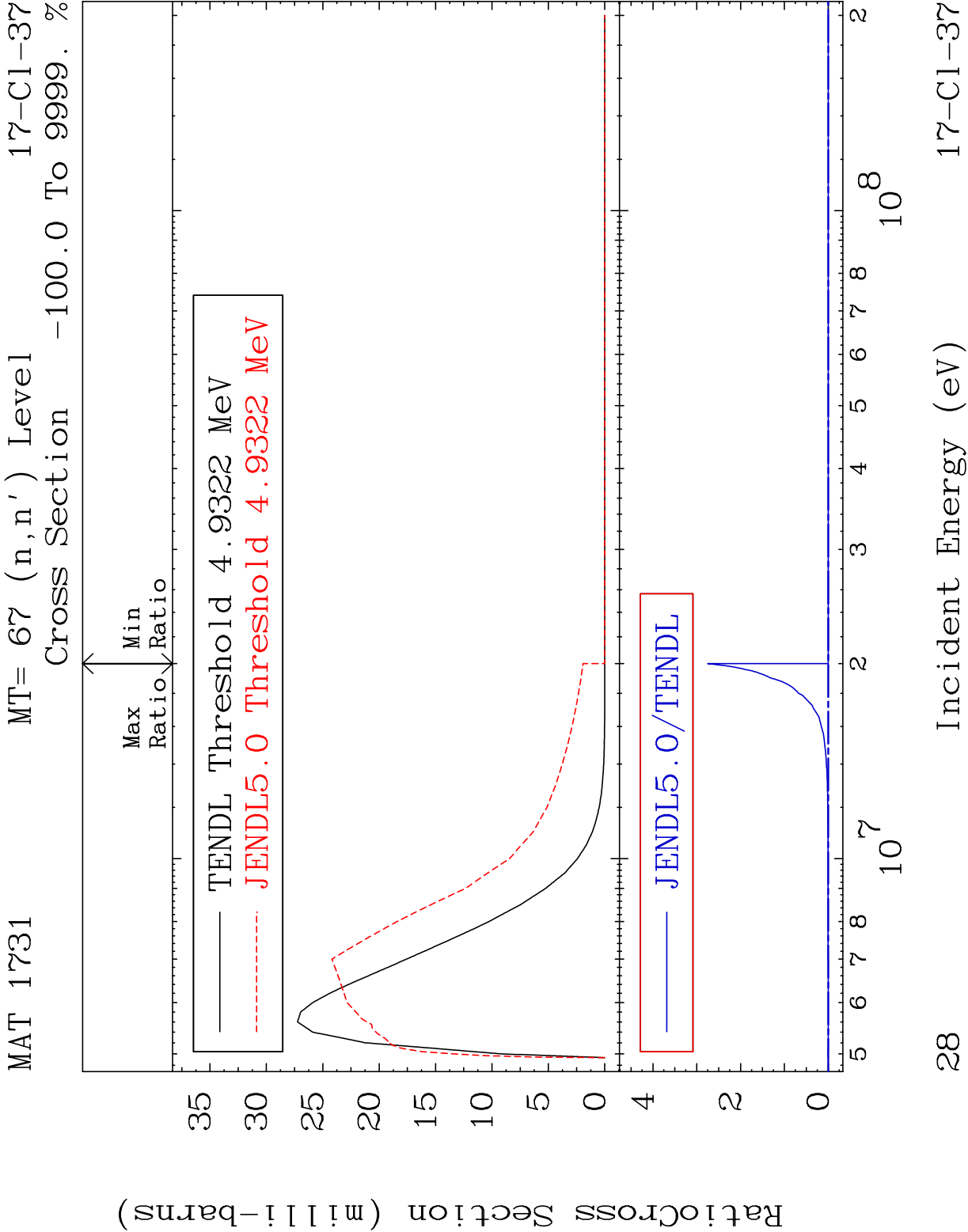




MAT 1731 MT= 66 (n,n') Level 17-Cl-37
Cross Section -100.0 To 9999. %



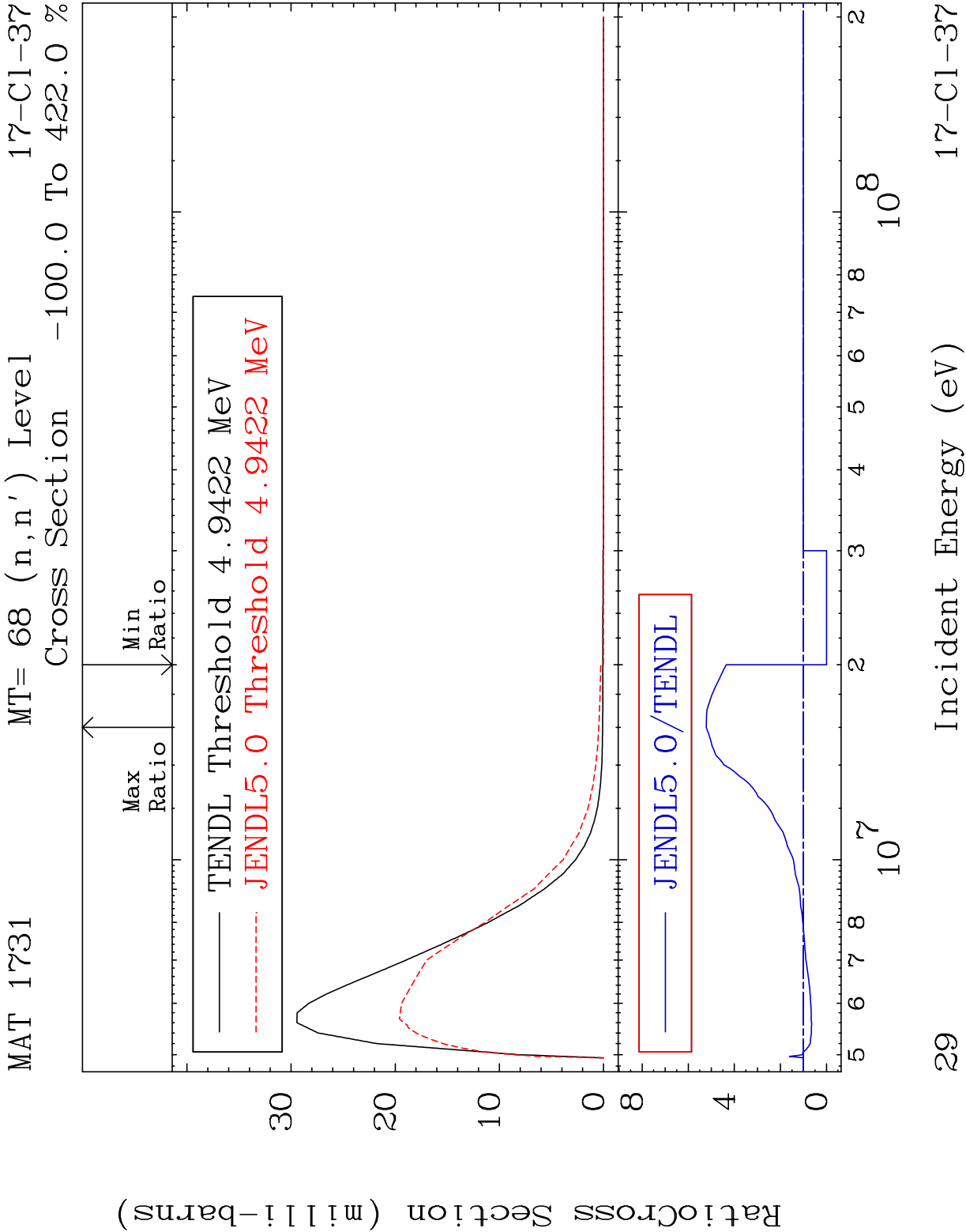
27 Incident Energy (eV) 17-Cl-37

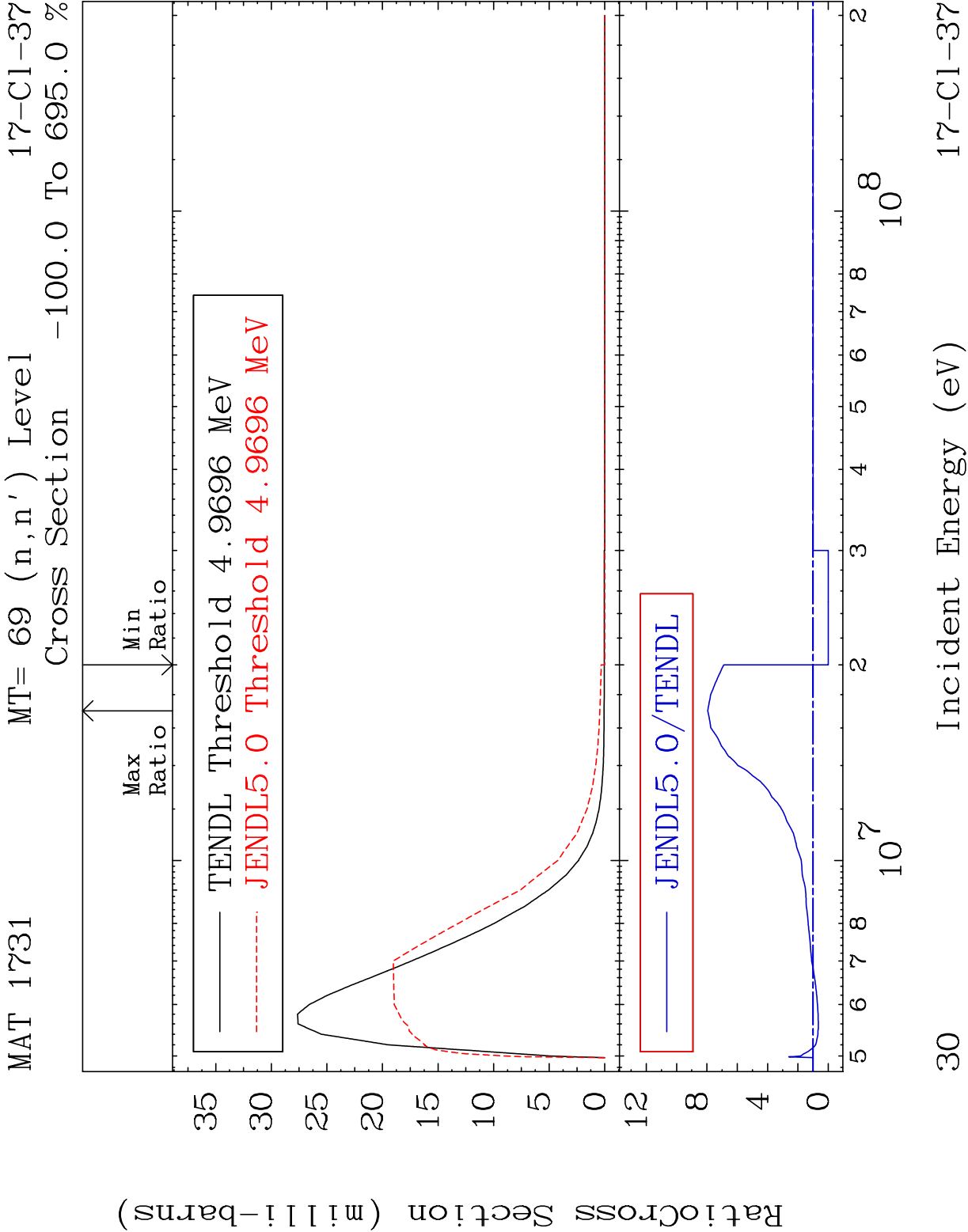


28

Incident Energy (eV)

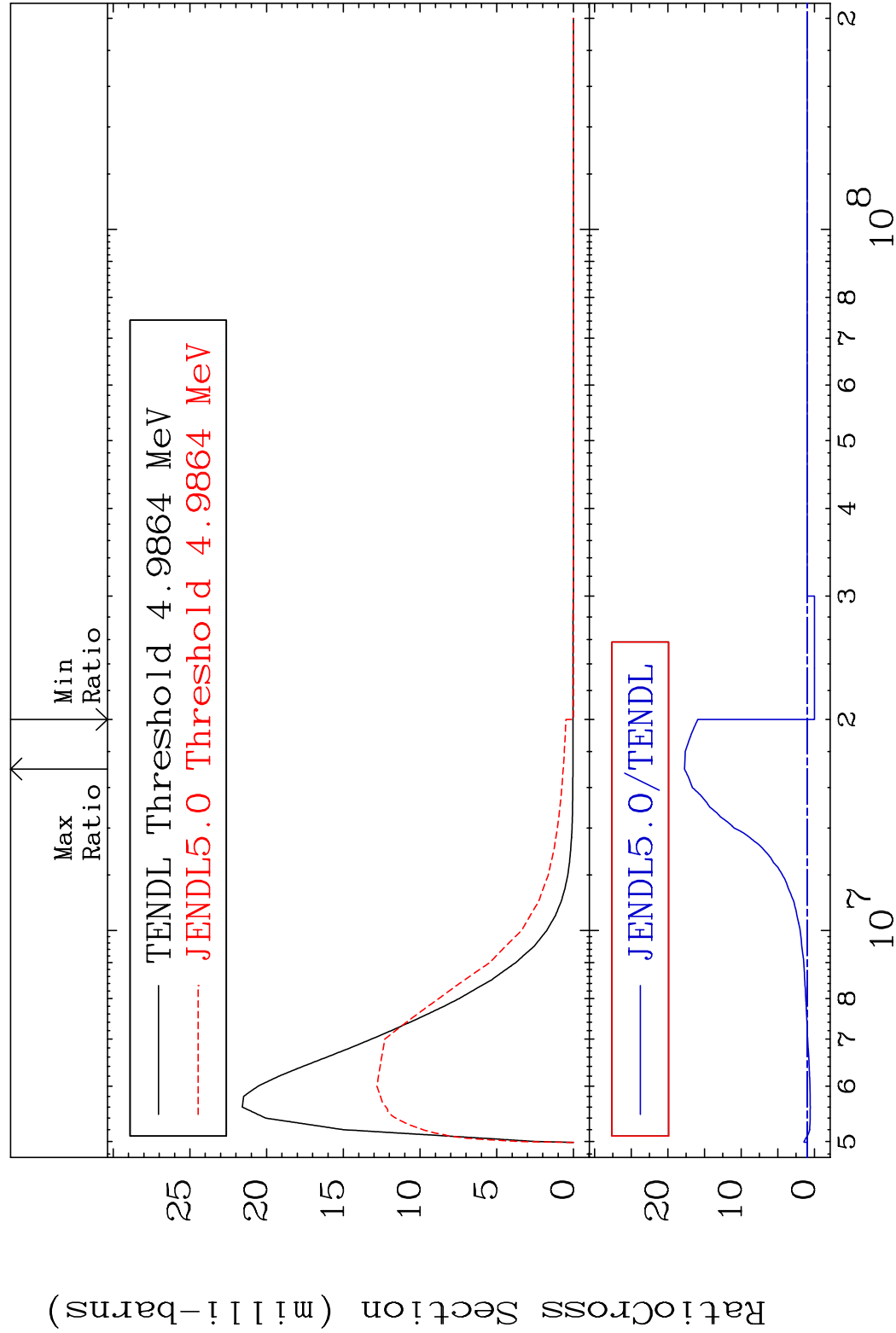
17-Cl-37

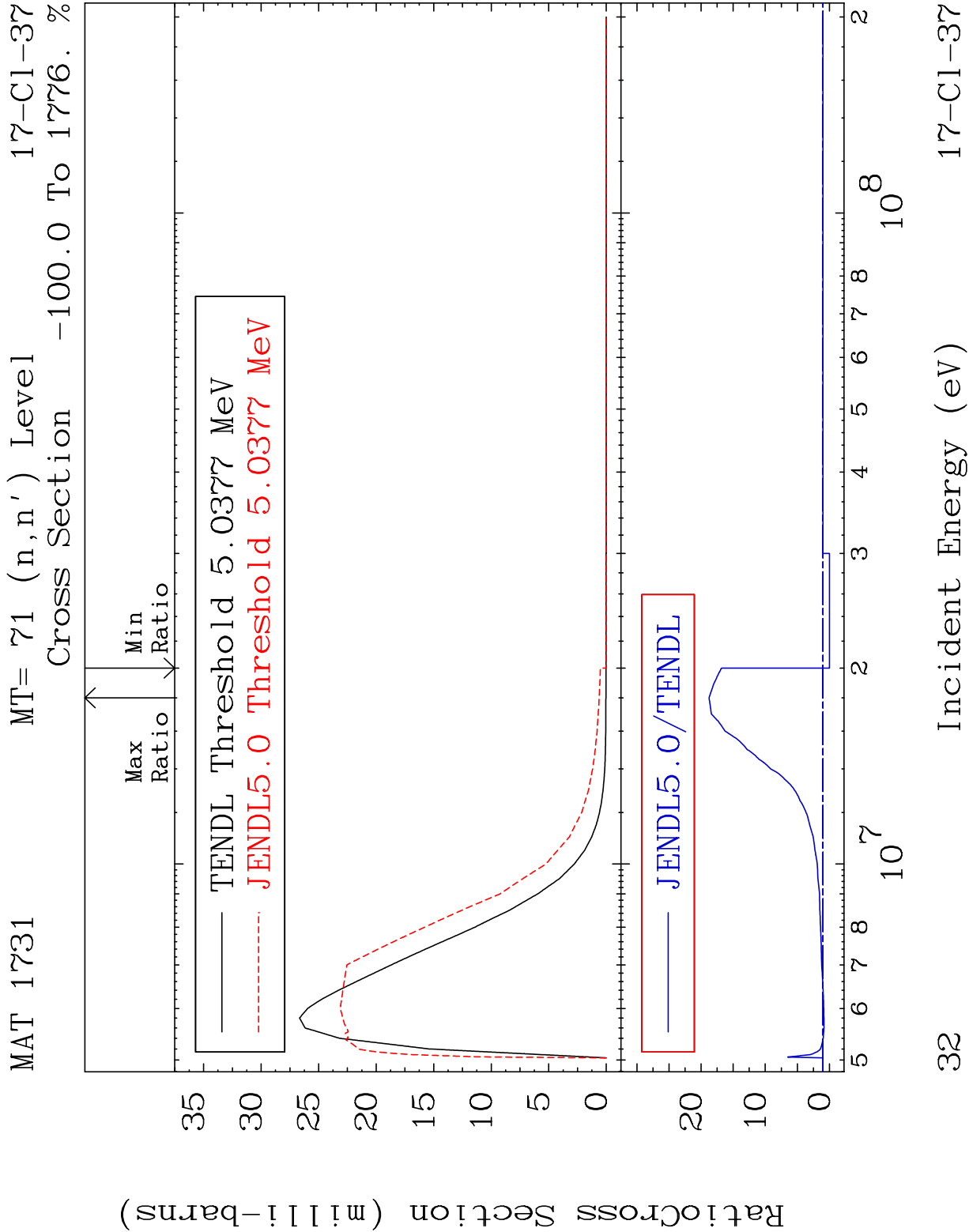


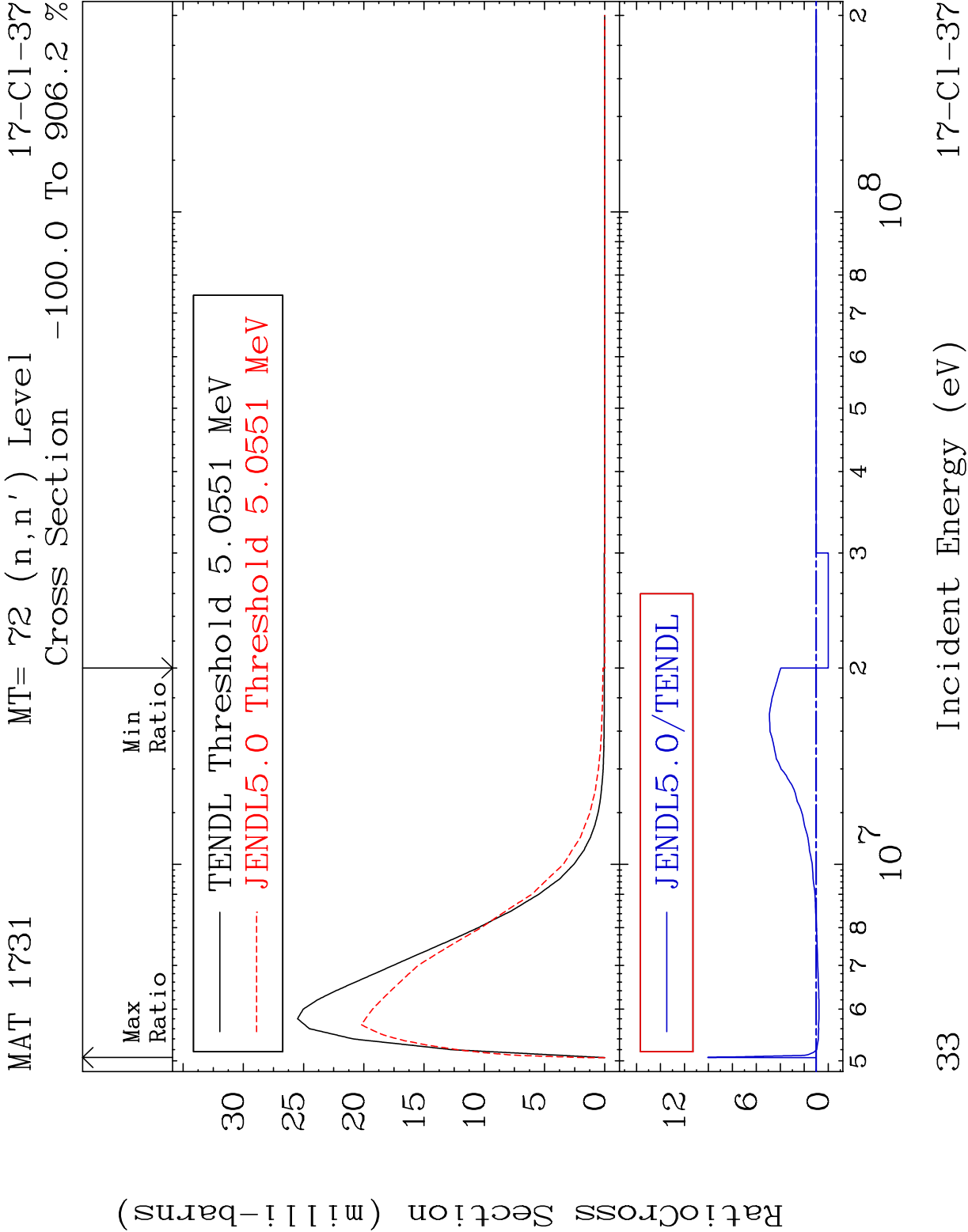


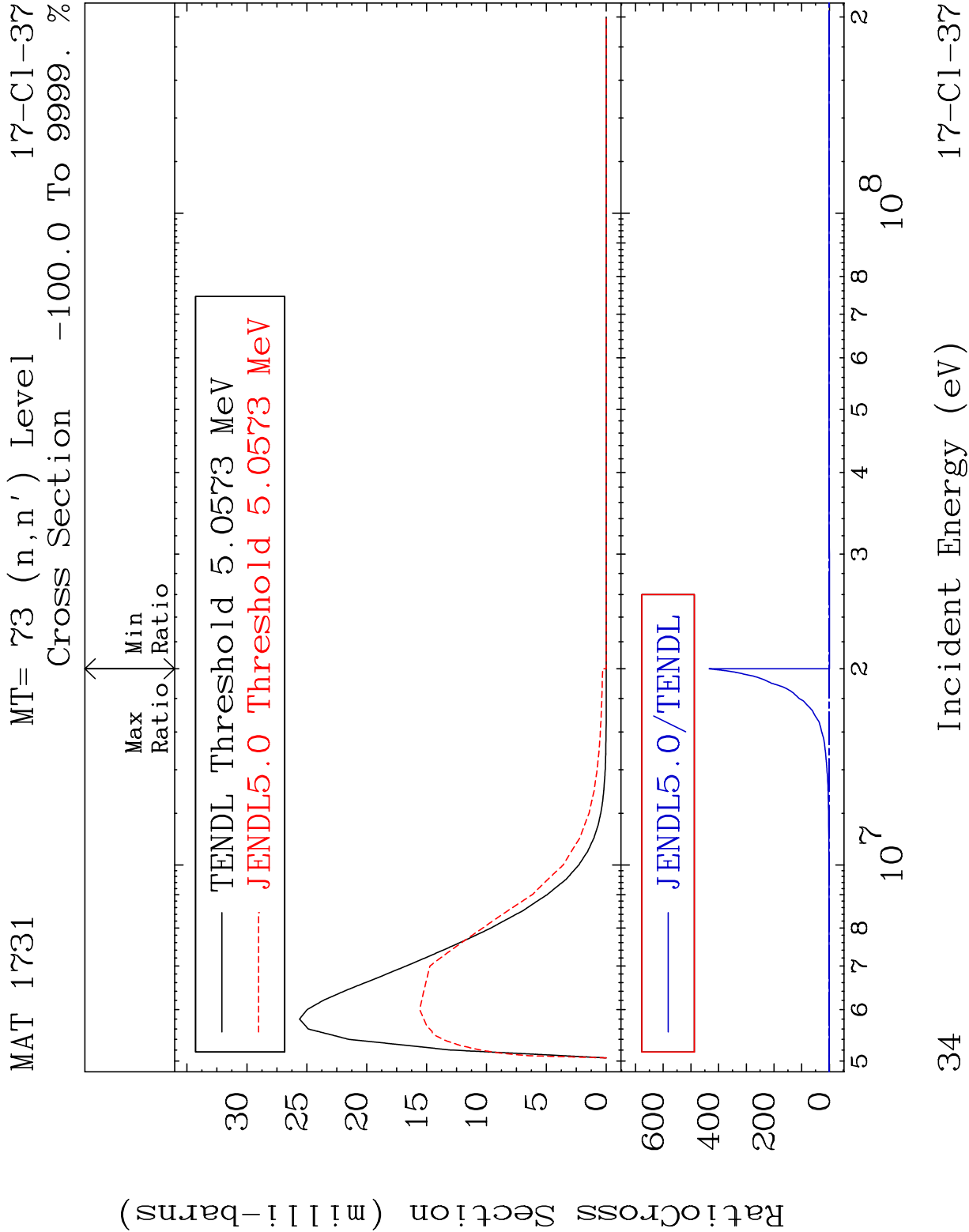
MAT 1731 MT= 70 (n,n') Level 17-Cl-37

Cross Section -100.0 To 1673. %







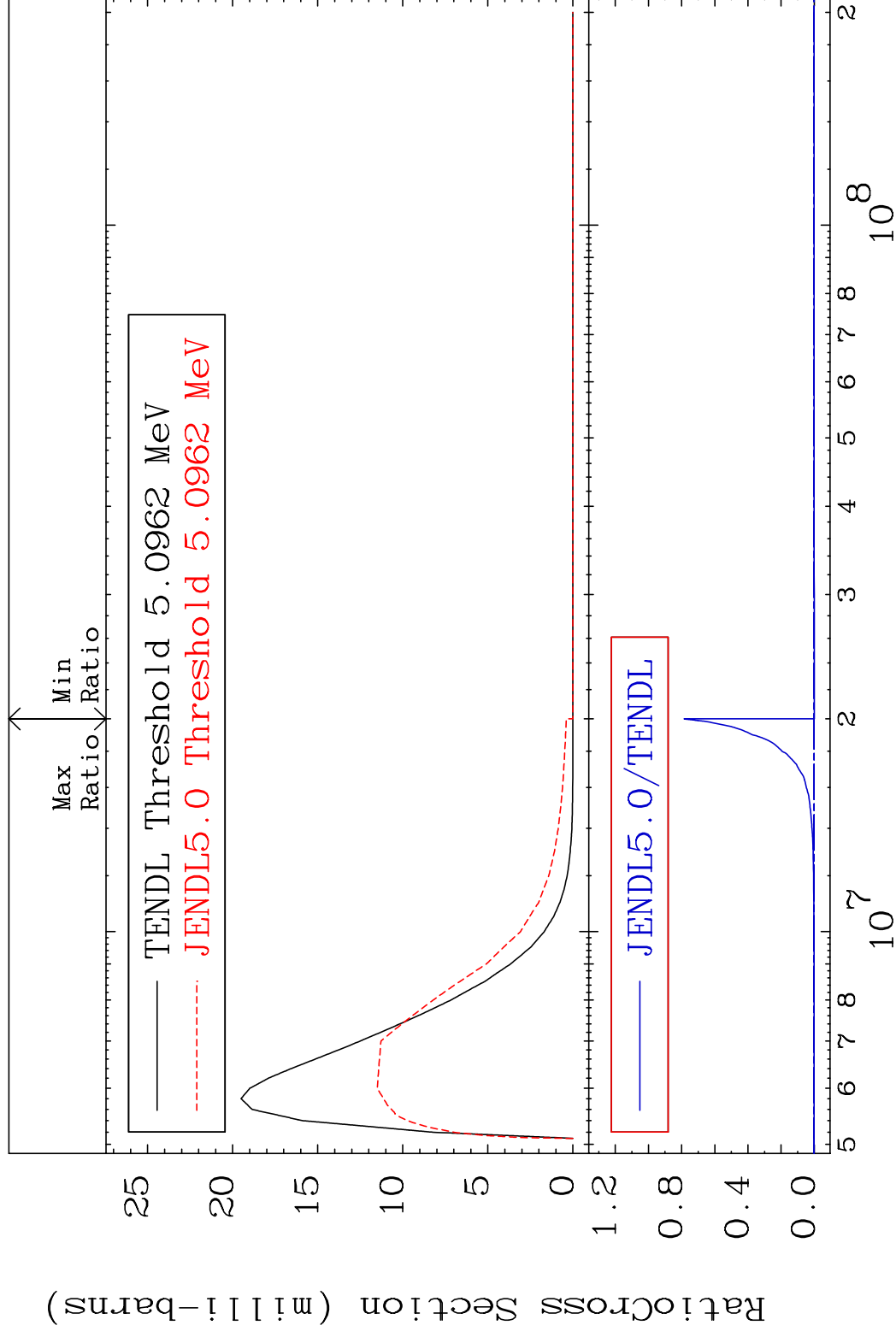


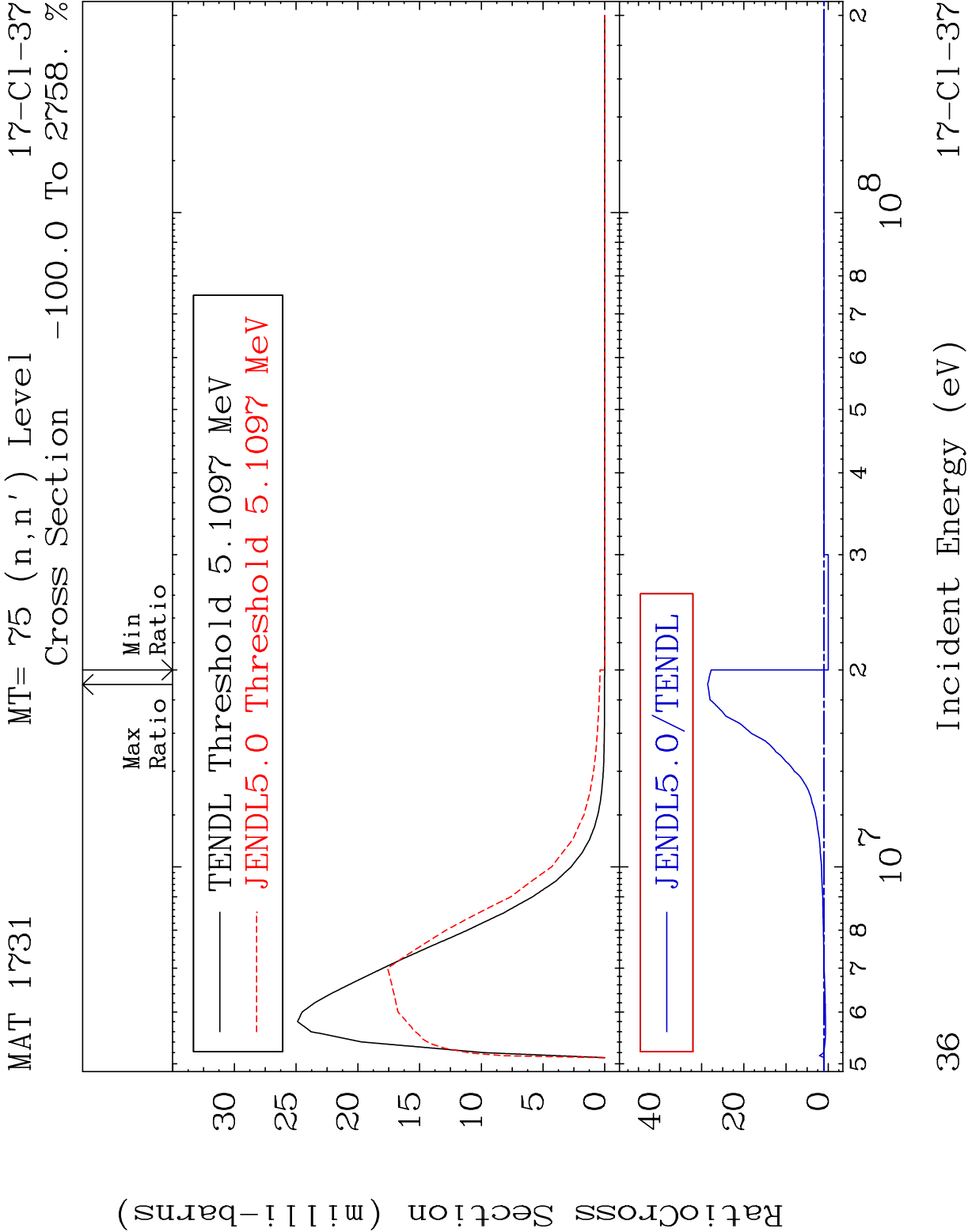
MAT 1731

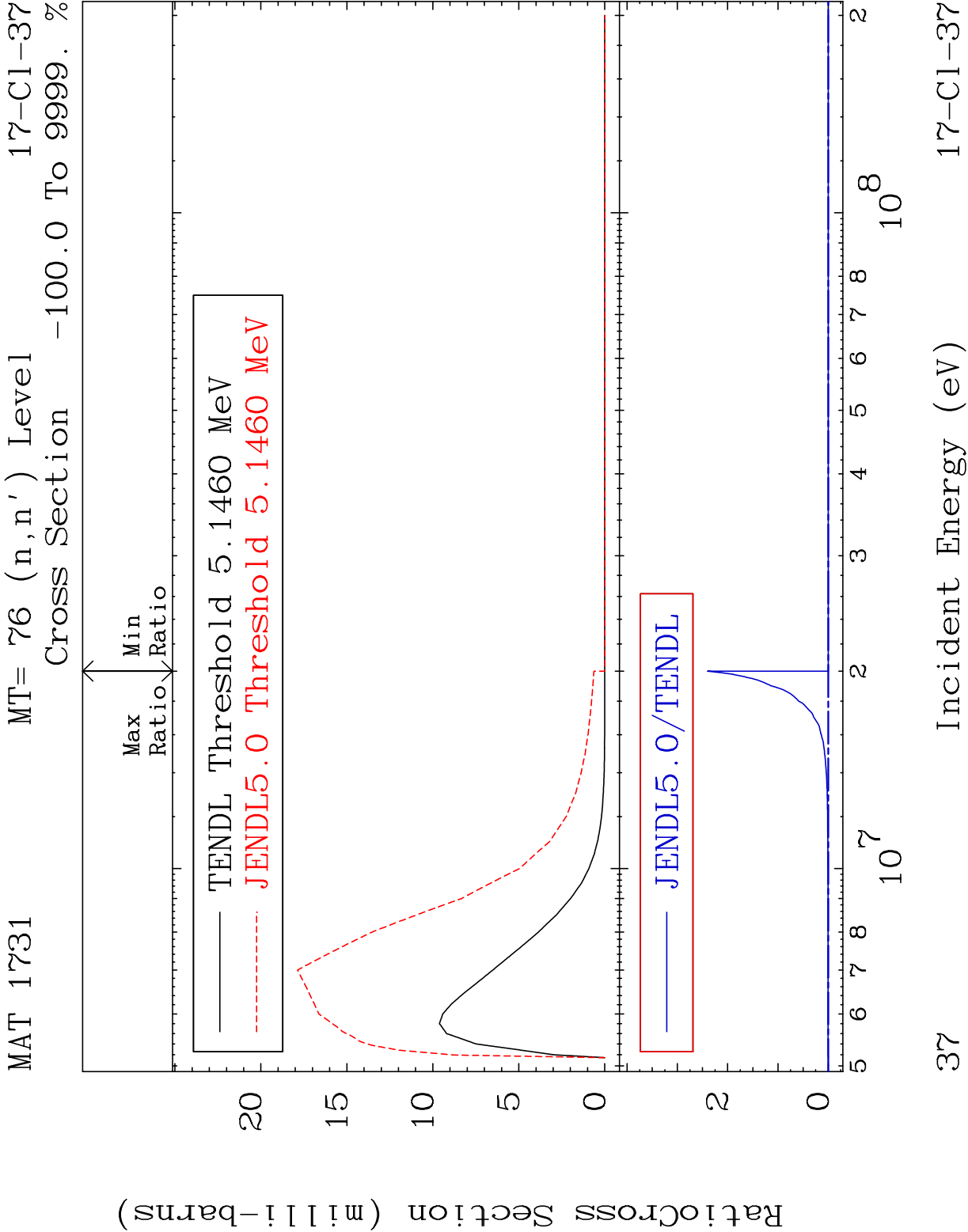
MT=74 (n,n') Level

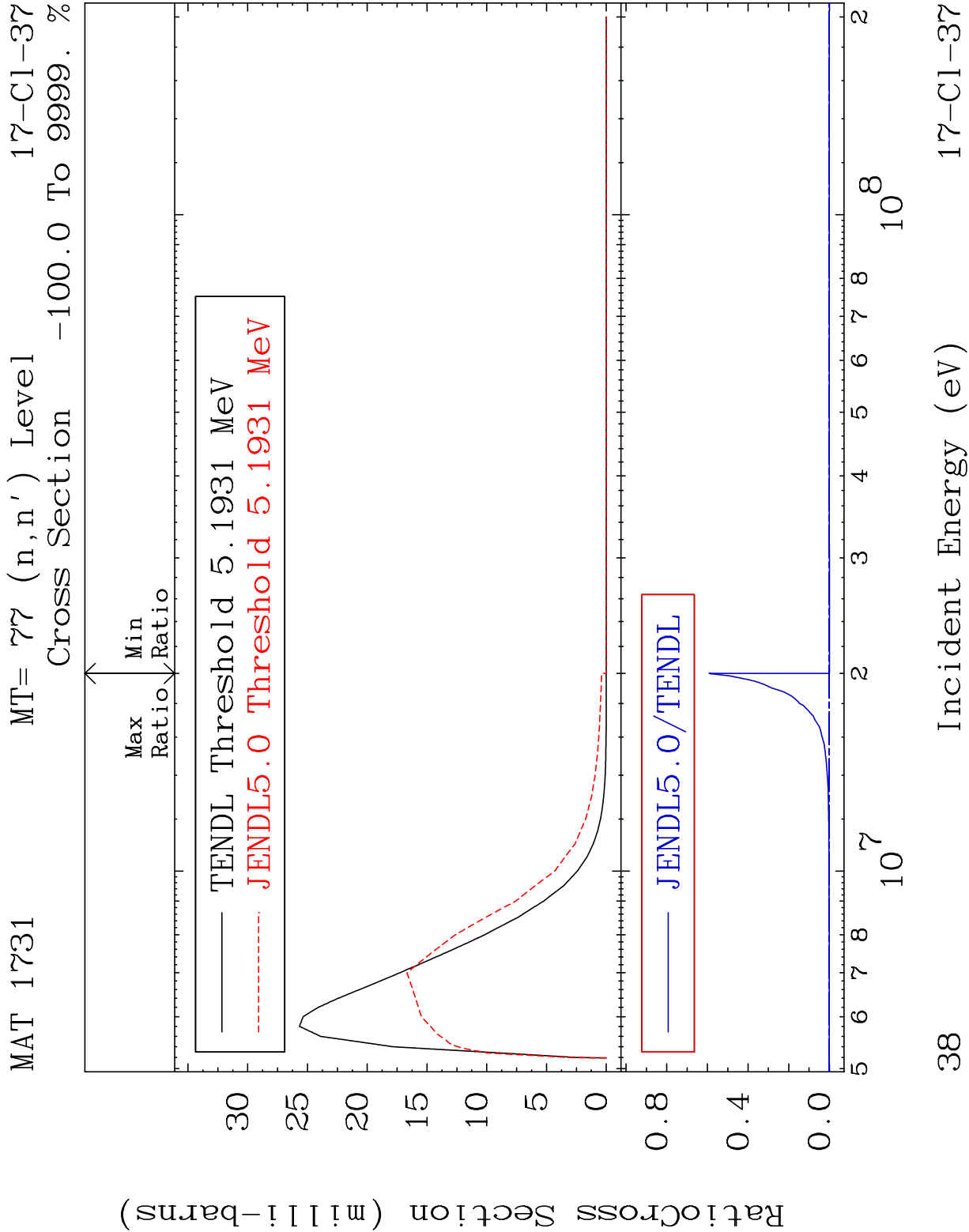
17-CI-37

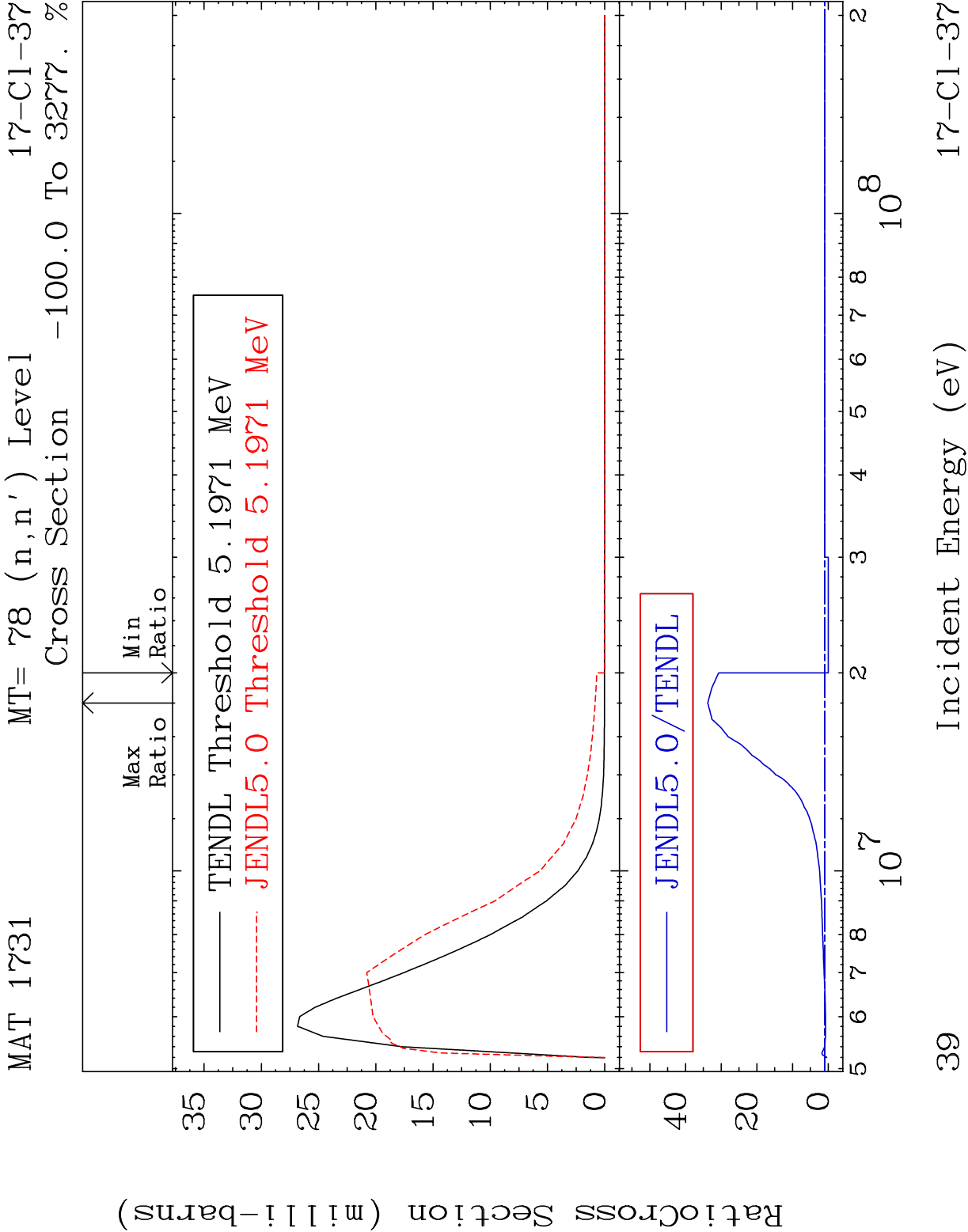
Cross Section -100.0 To 9999. %

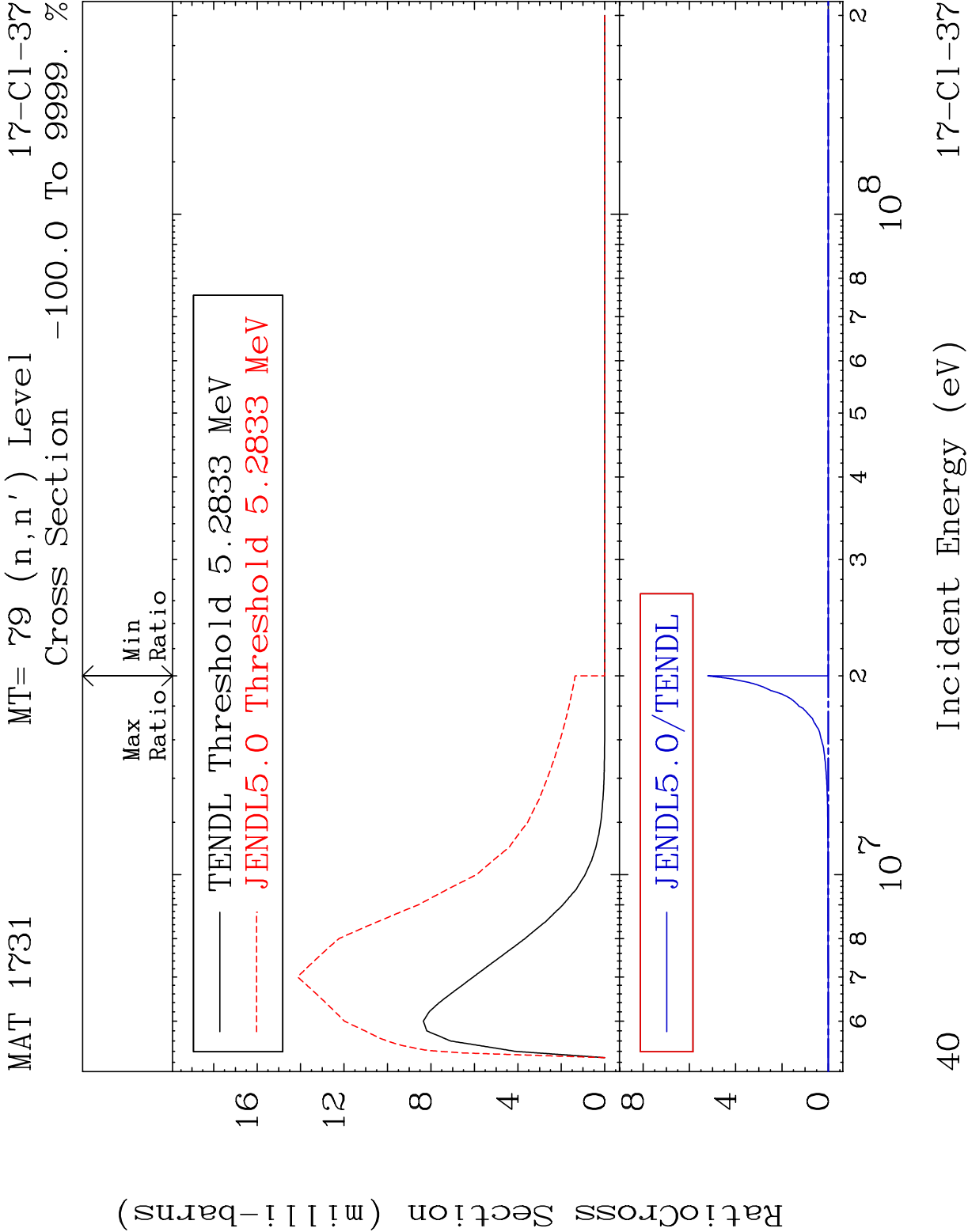


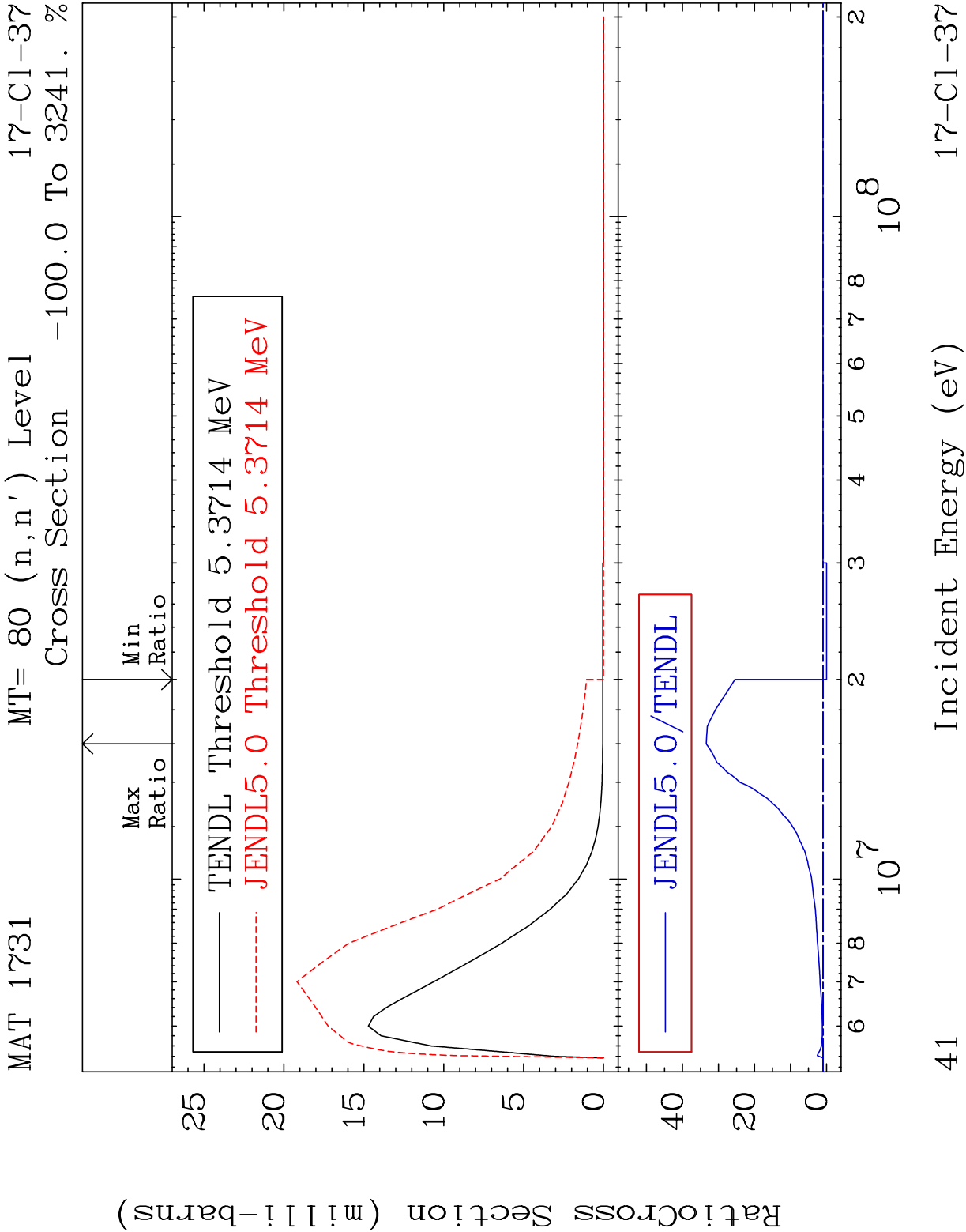


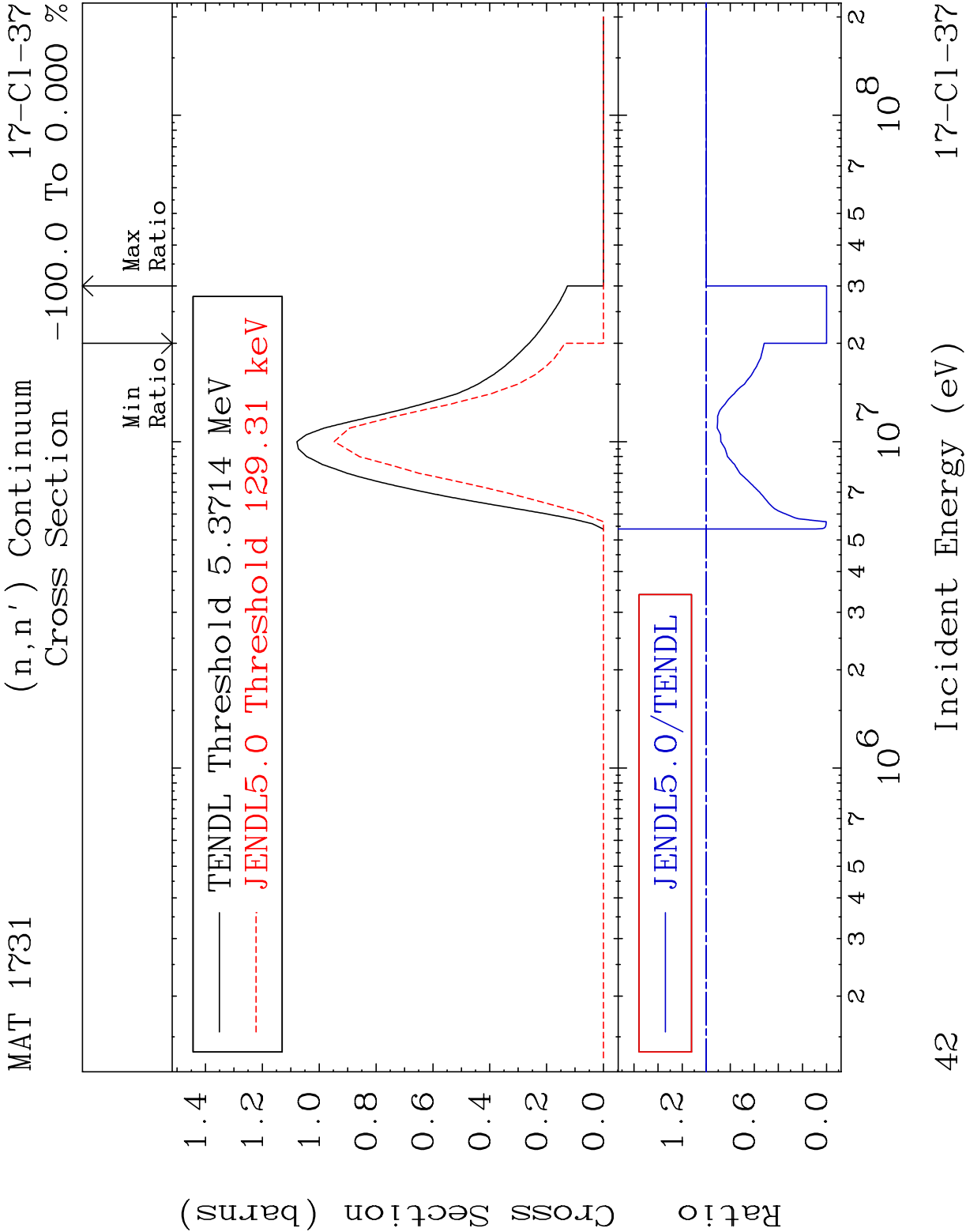


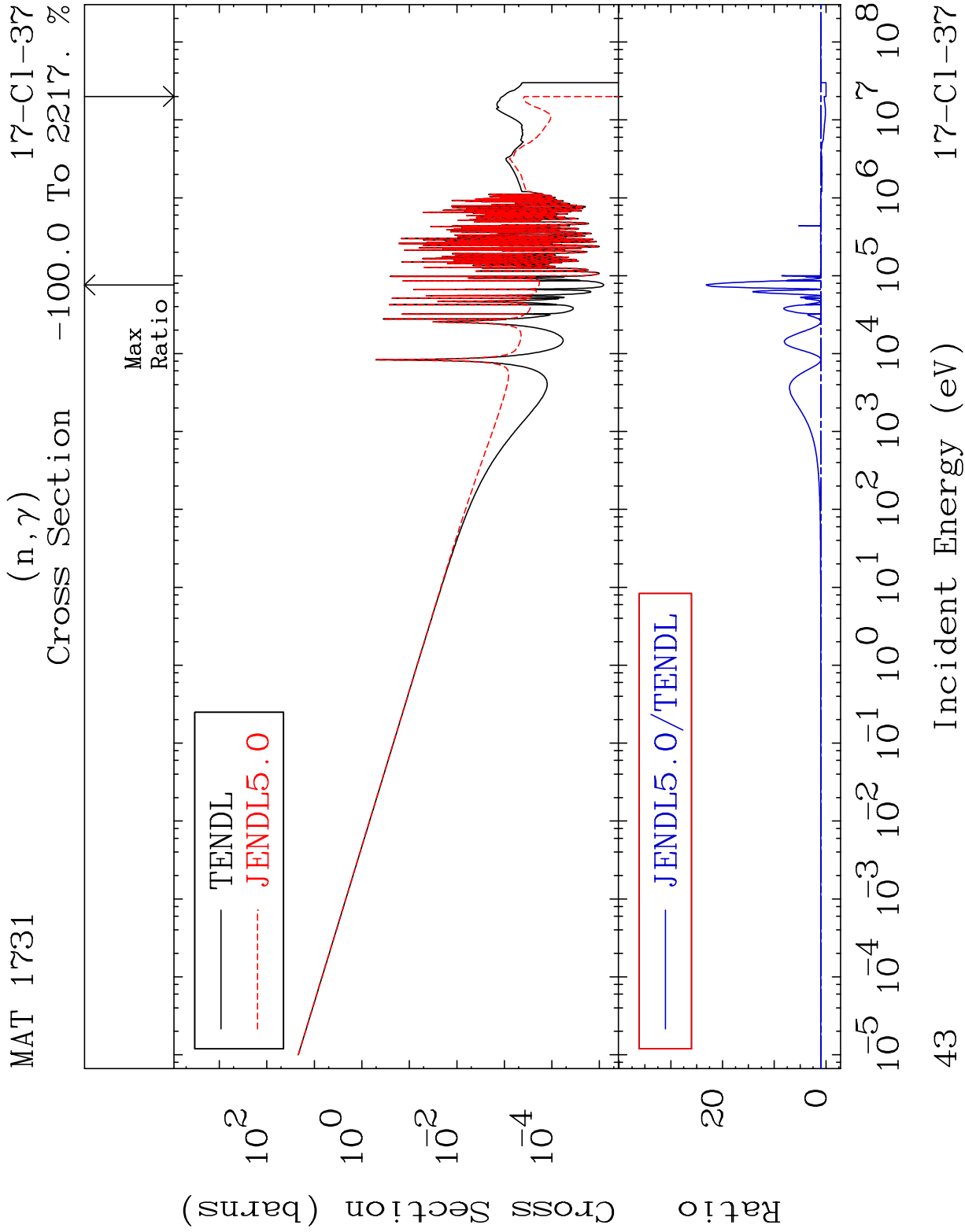


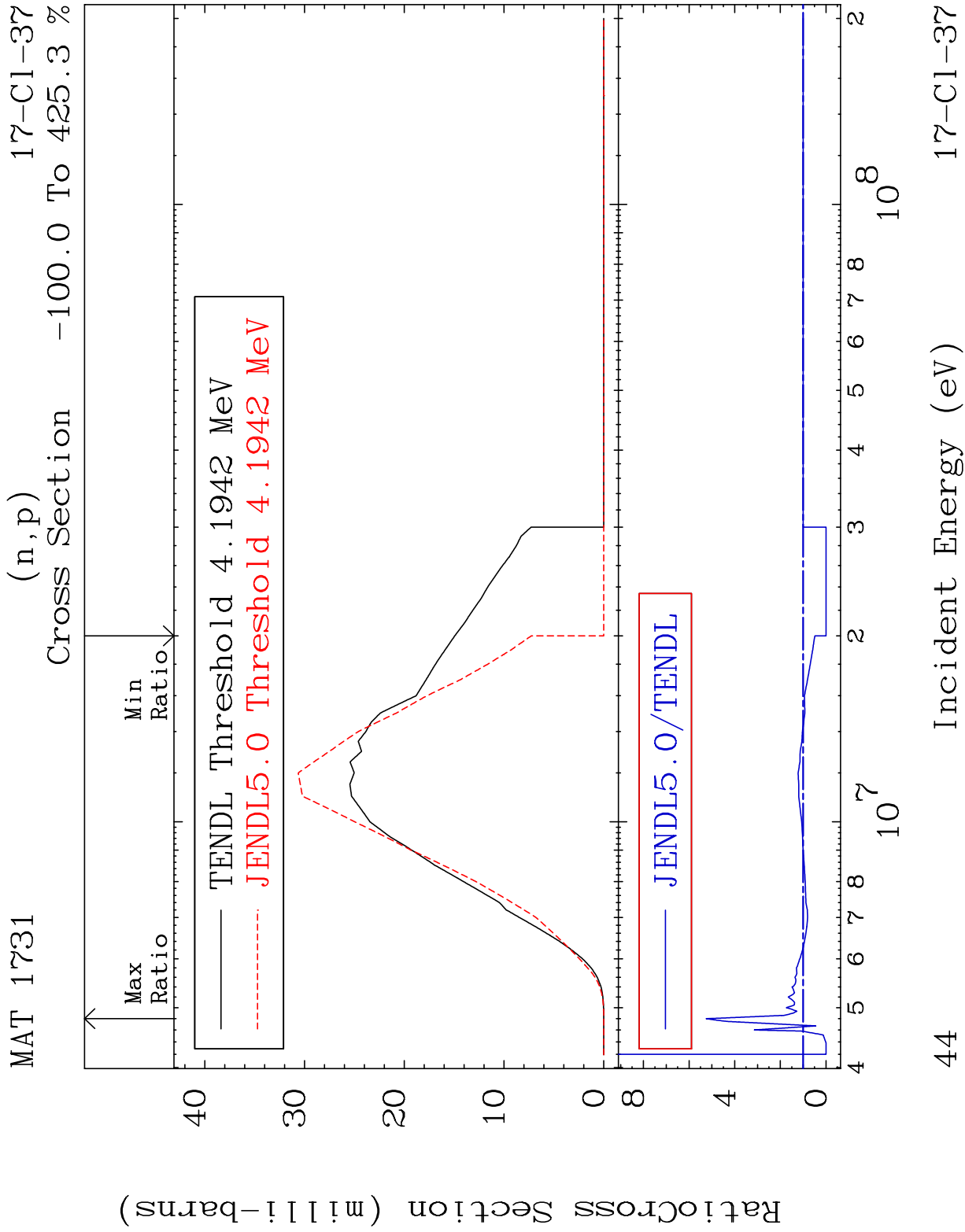


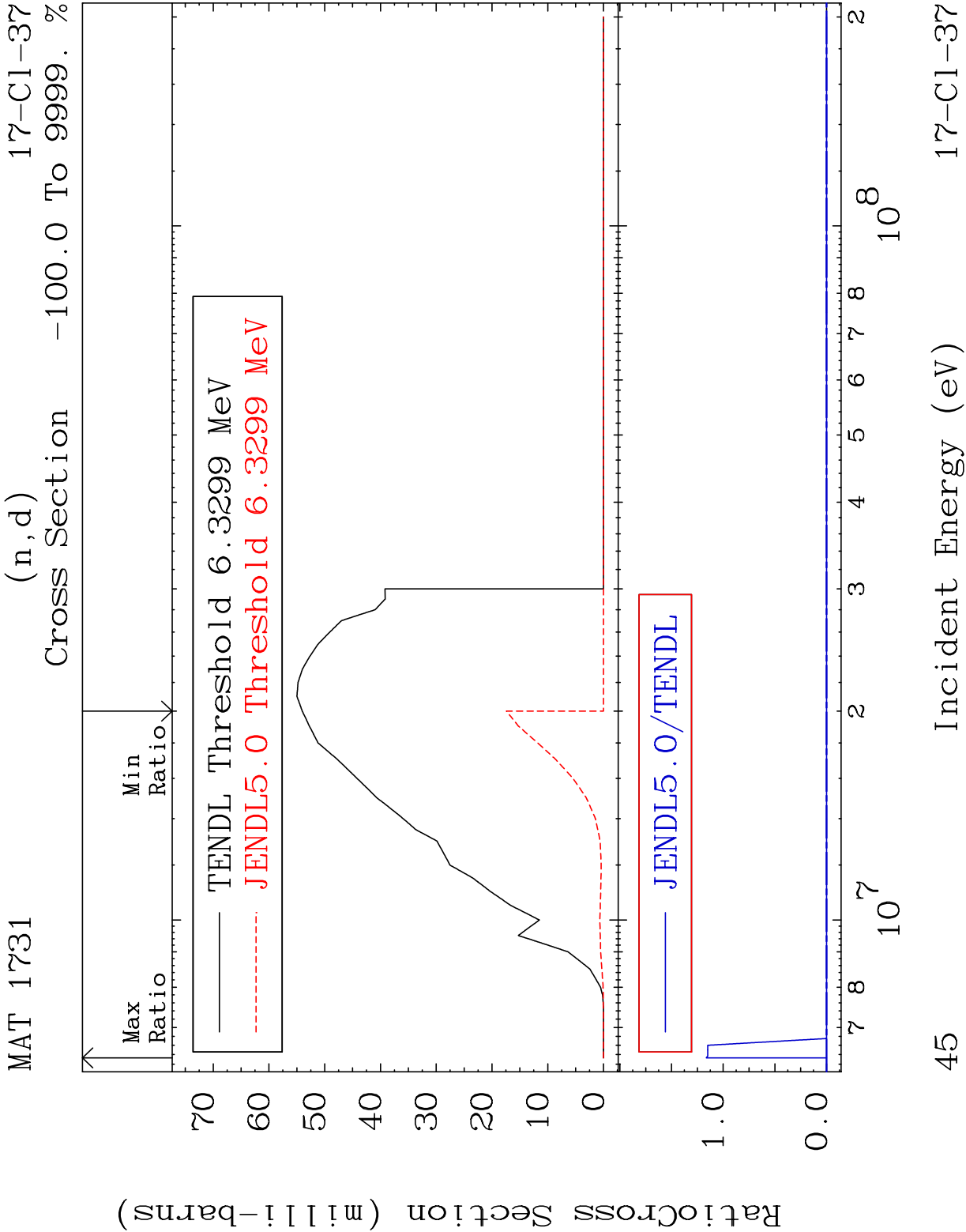


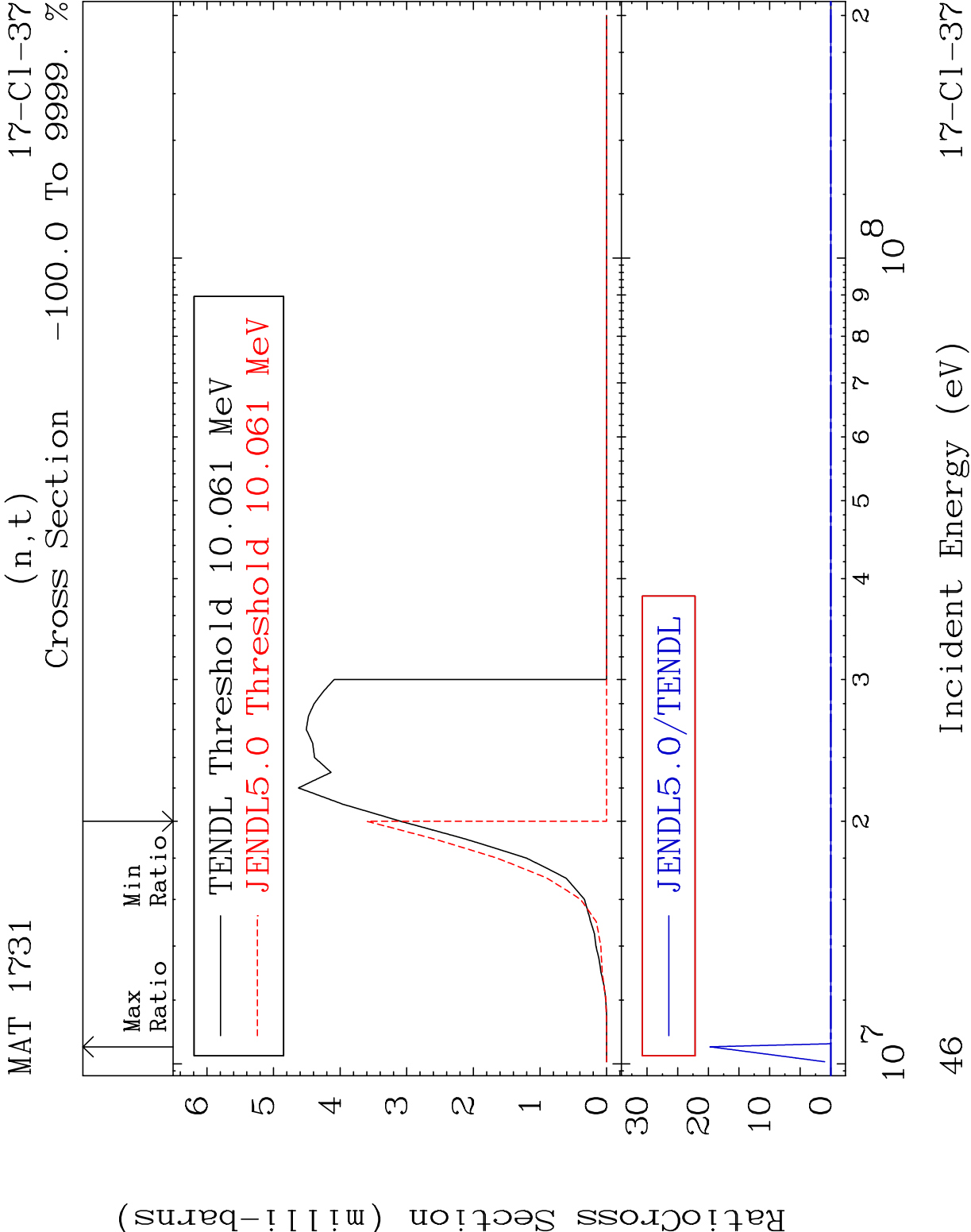










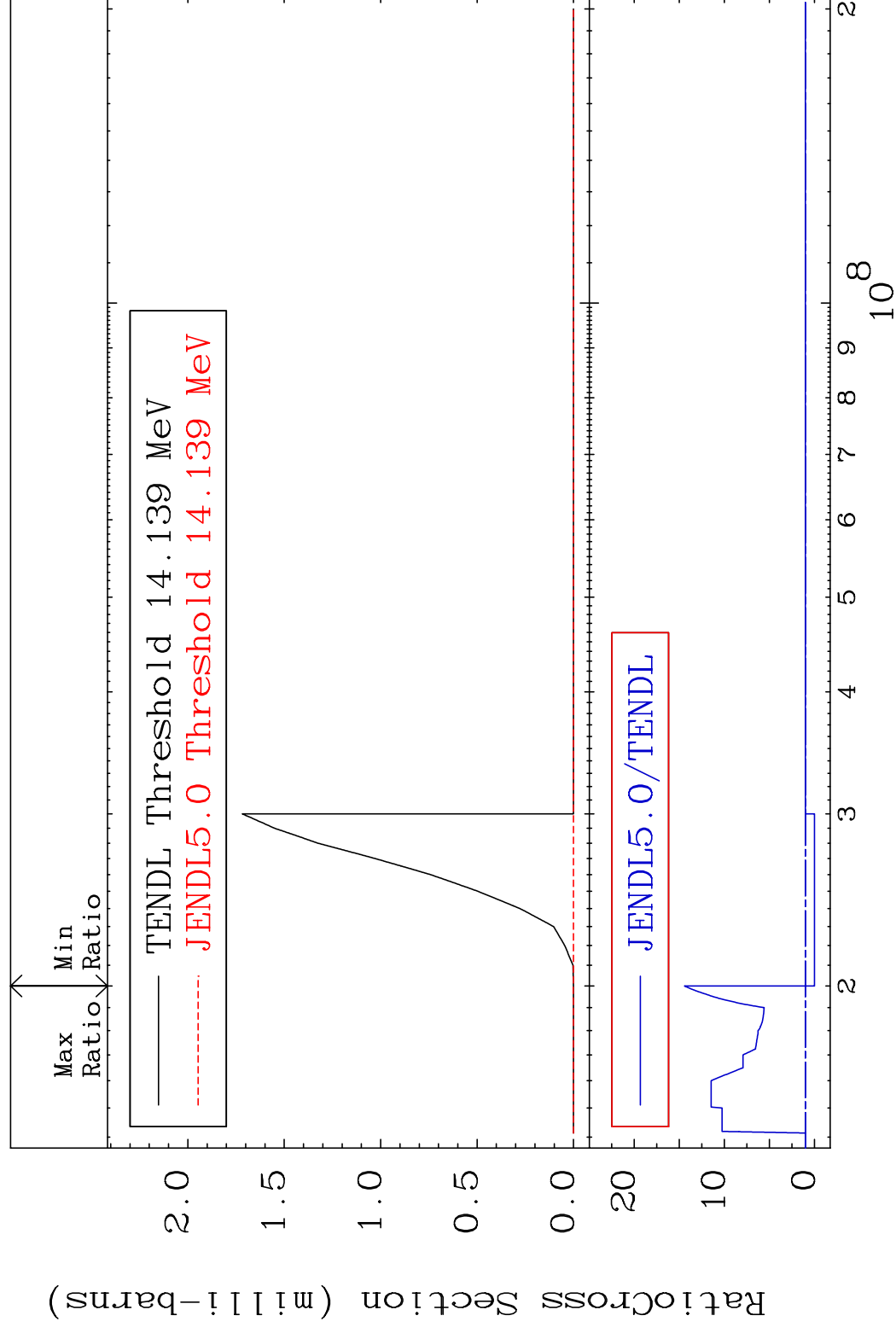


MAT 1731

 $(n, \text{He-3})$

17-CI-37

Cross Section -100.0 To 1342. %

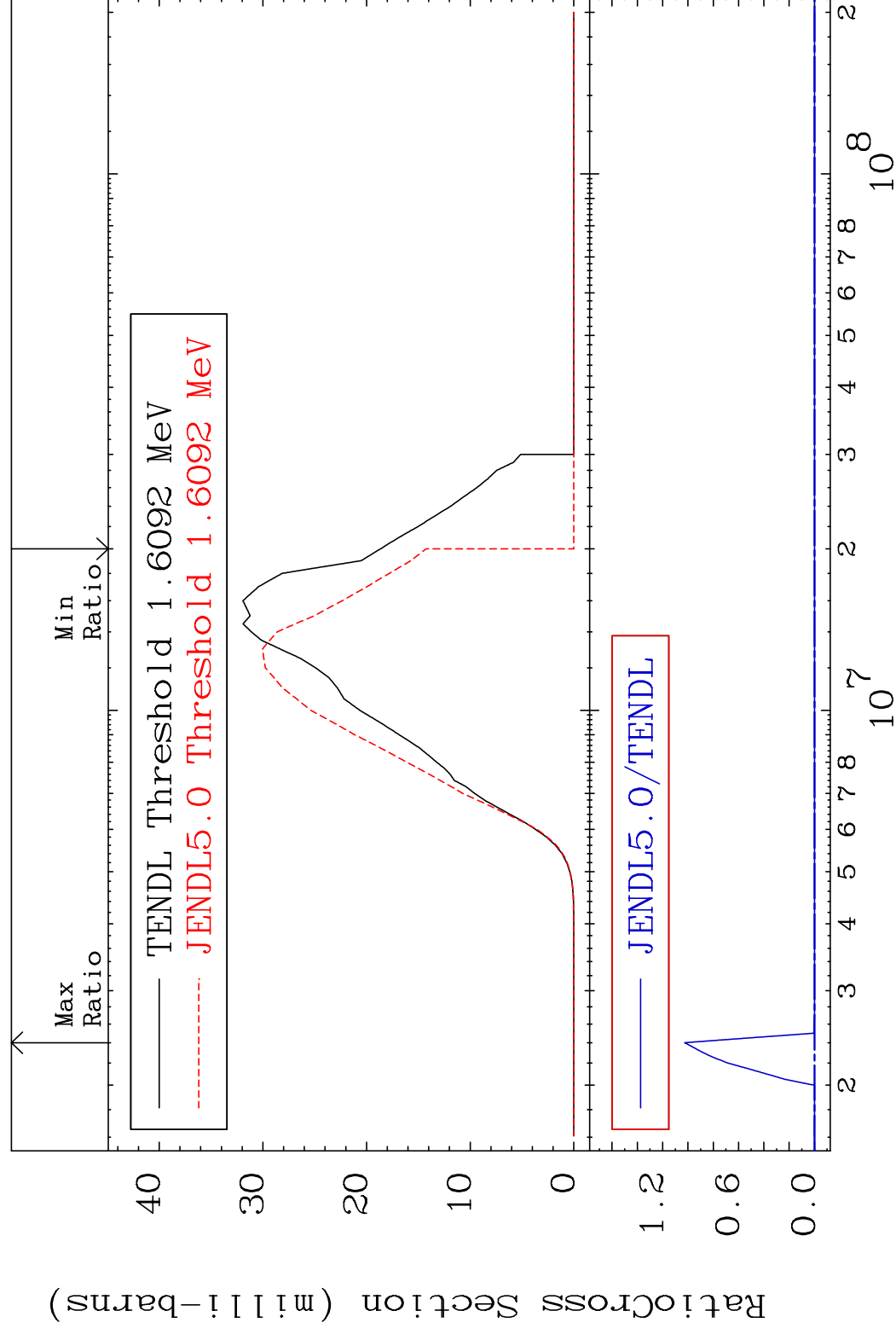


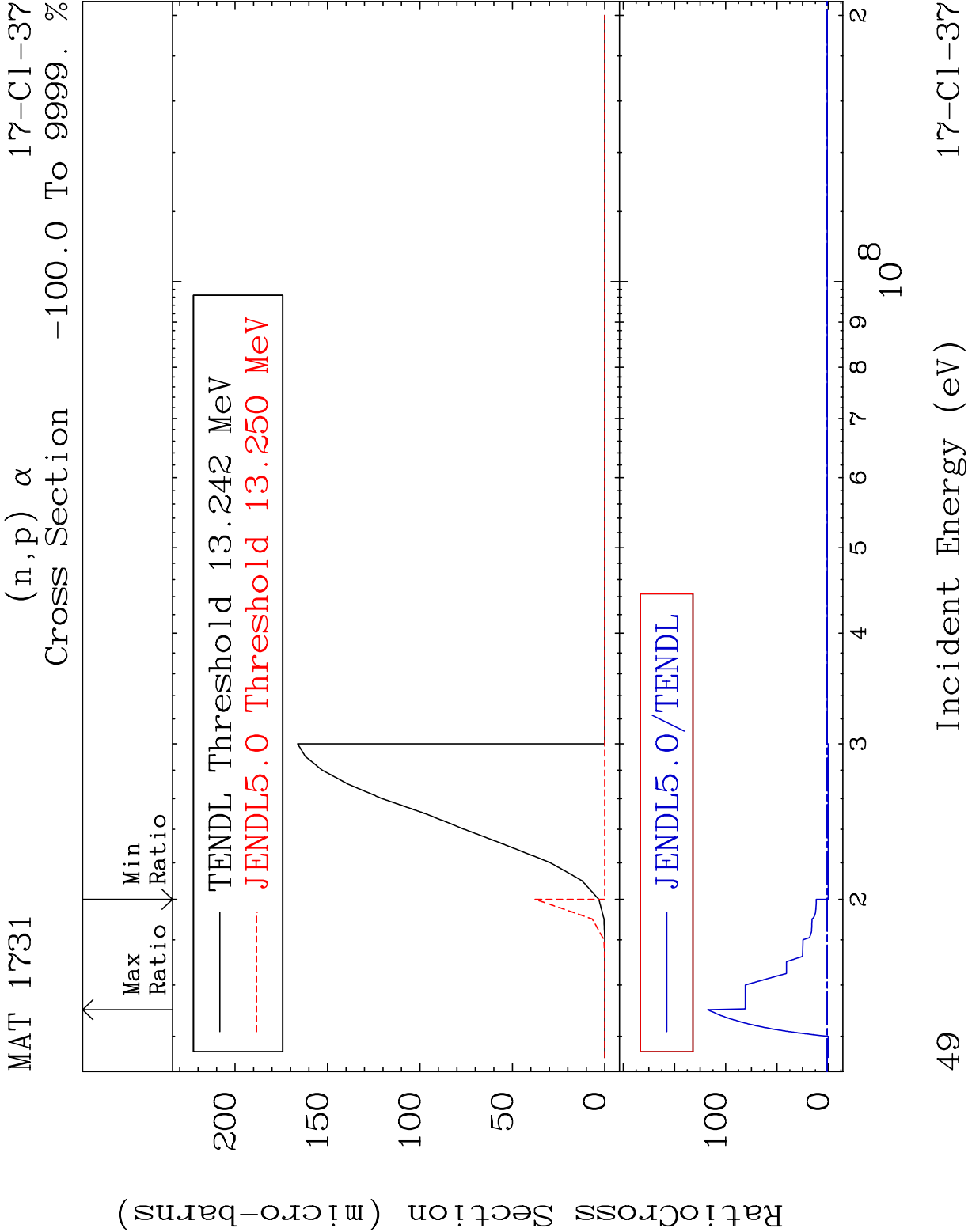
MAT 1731

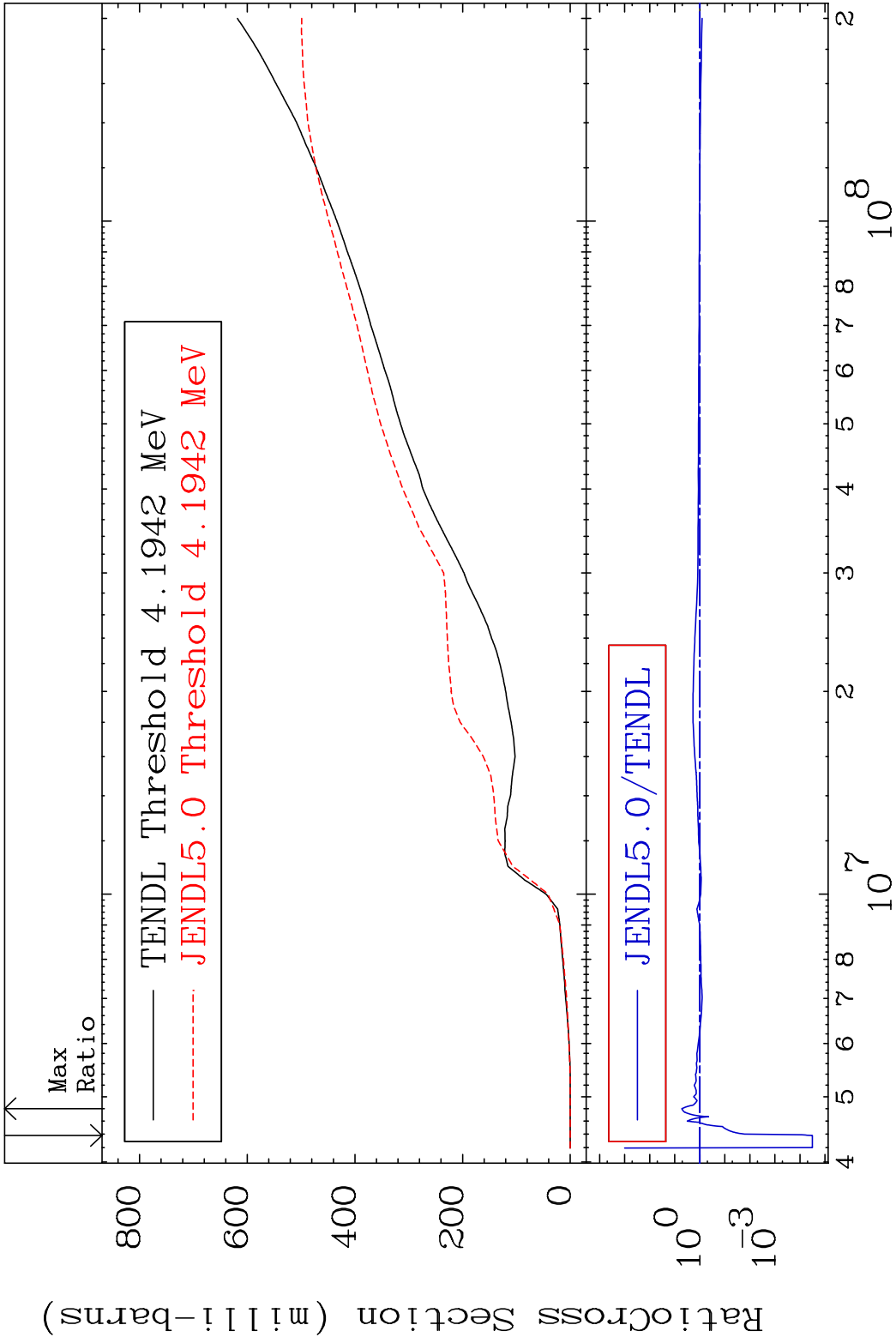
 (n, α)

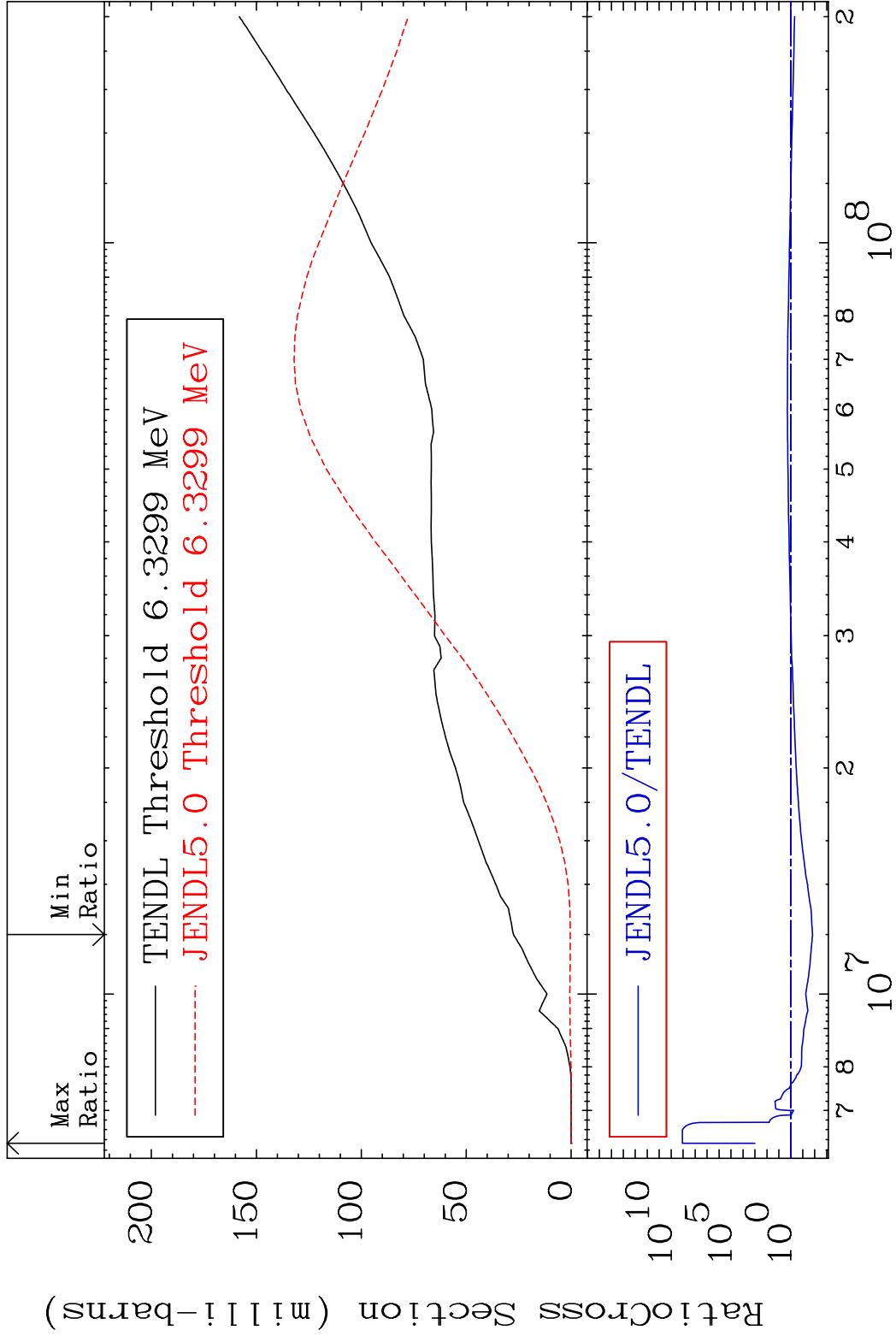
17-CI-37

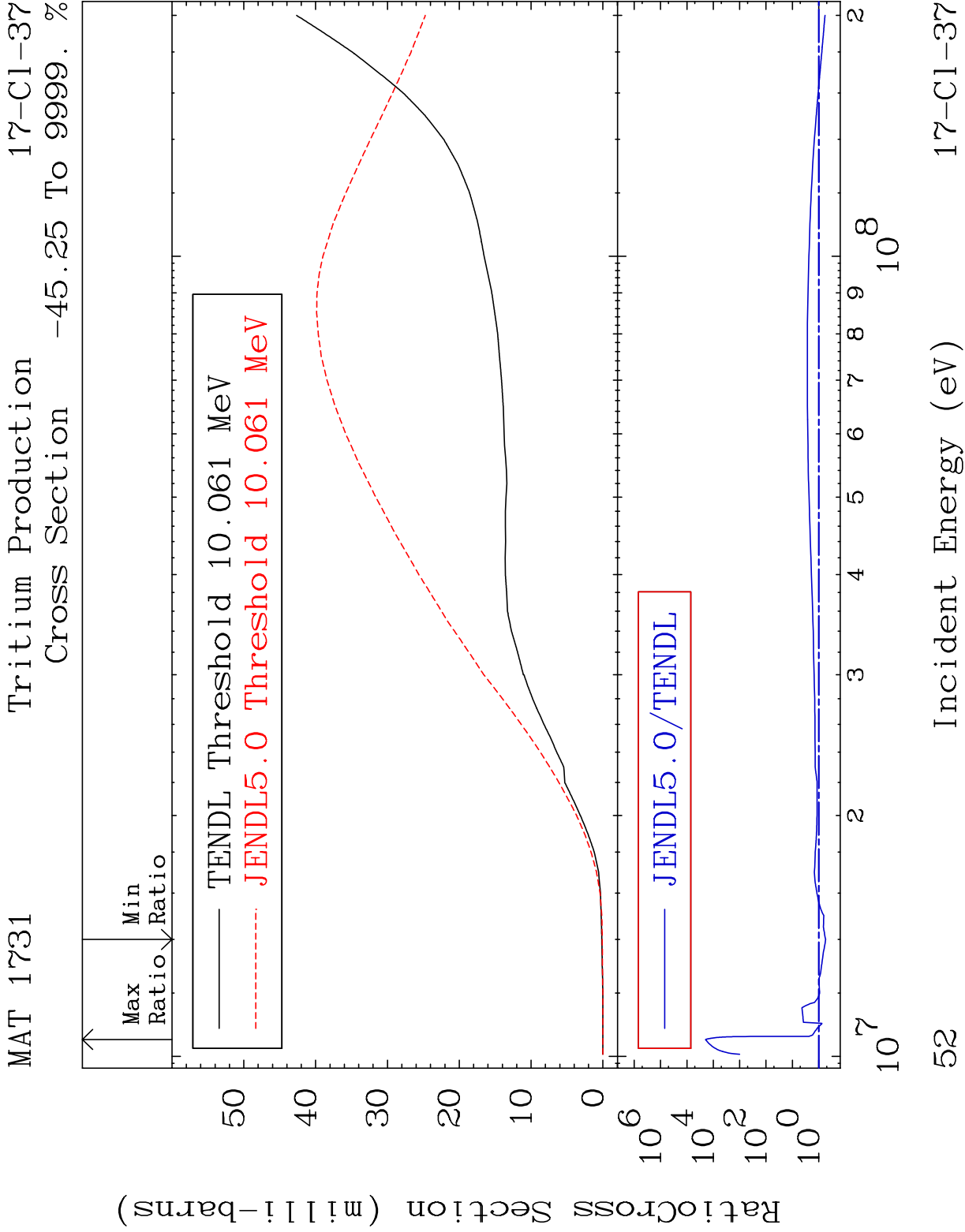
Cross Section -100.0 To 9999. %

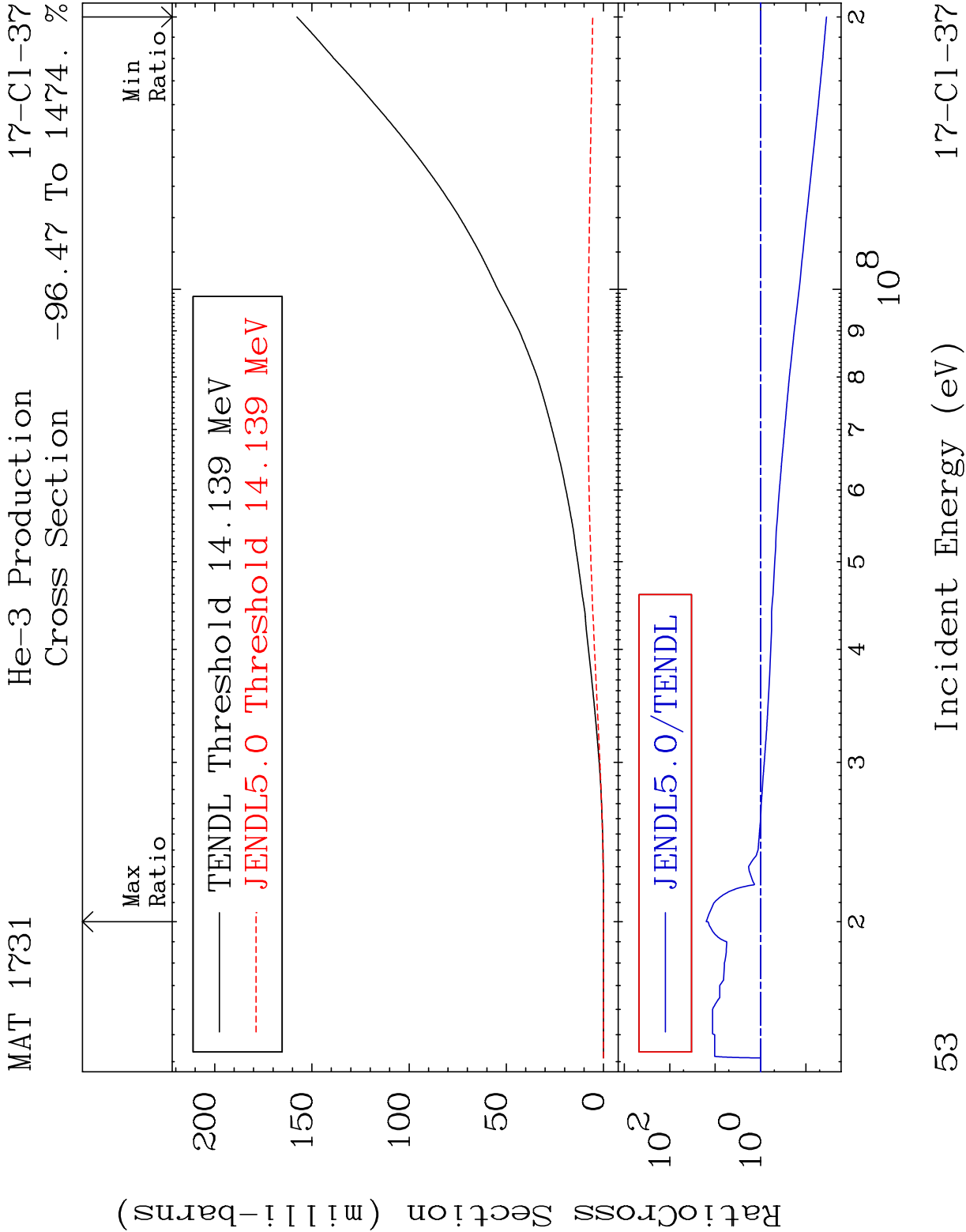


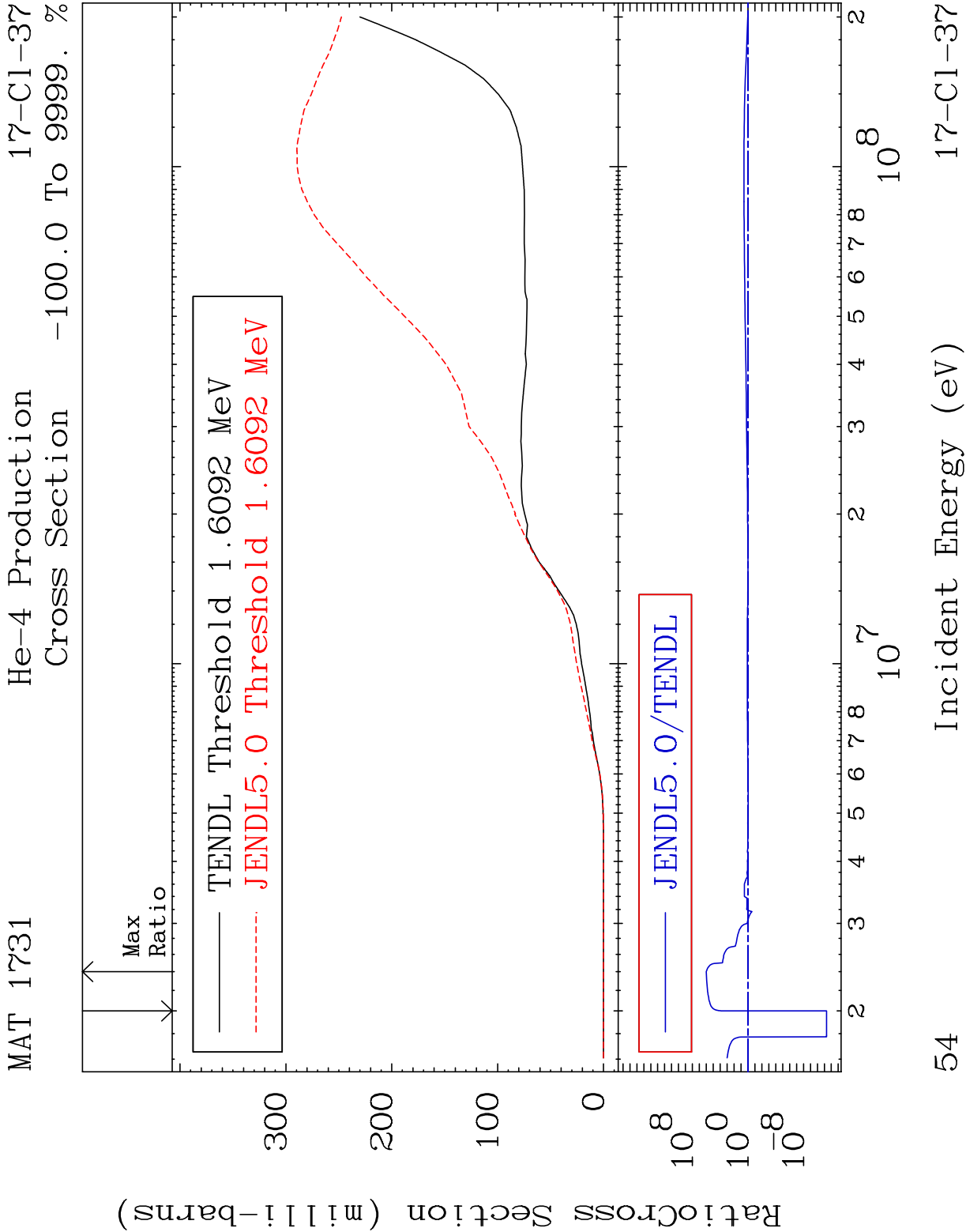


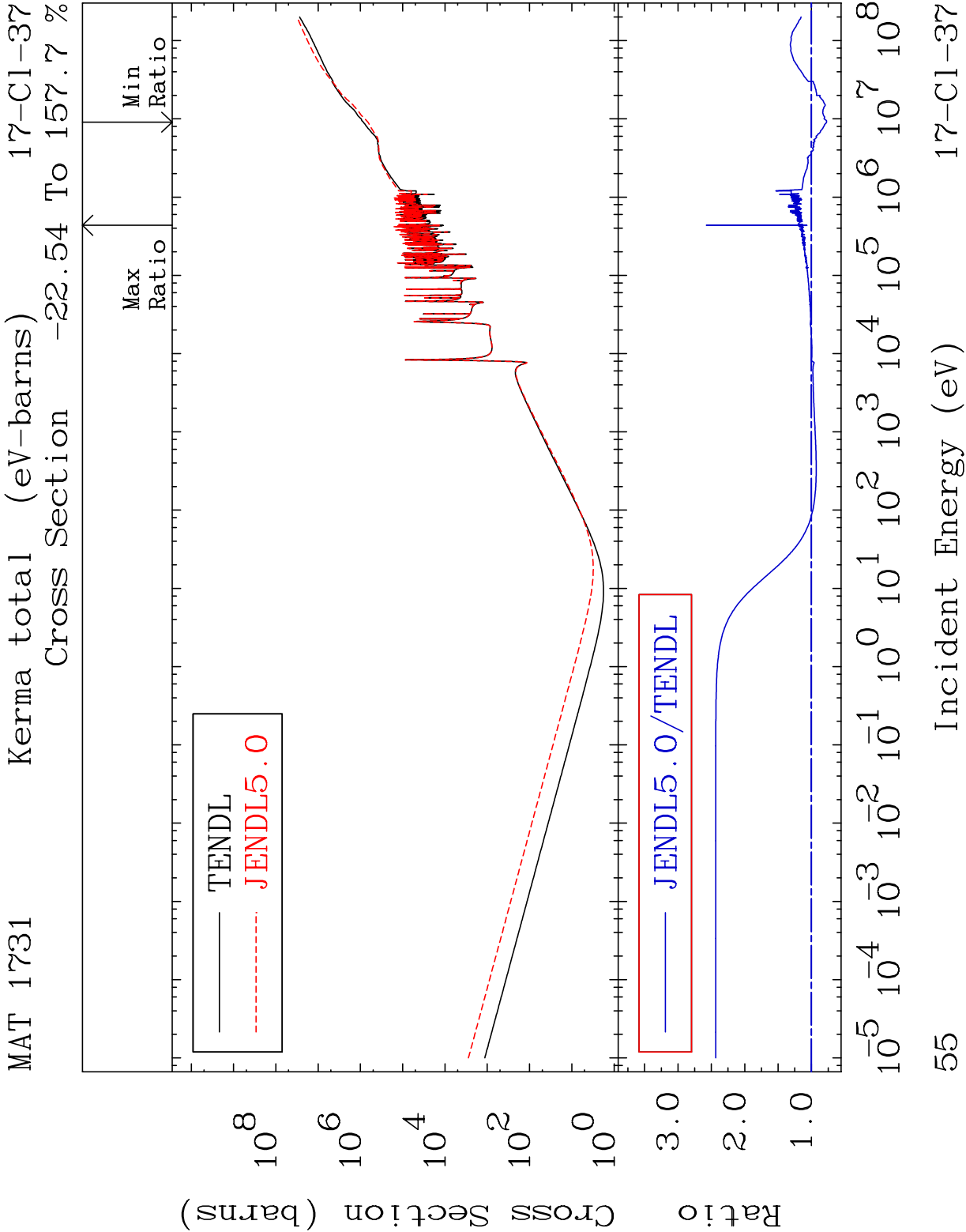








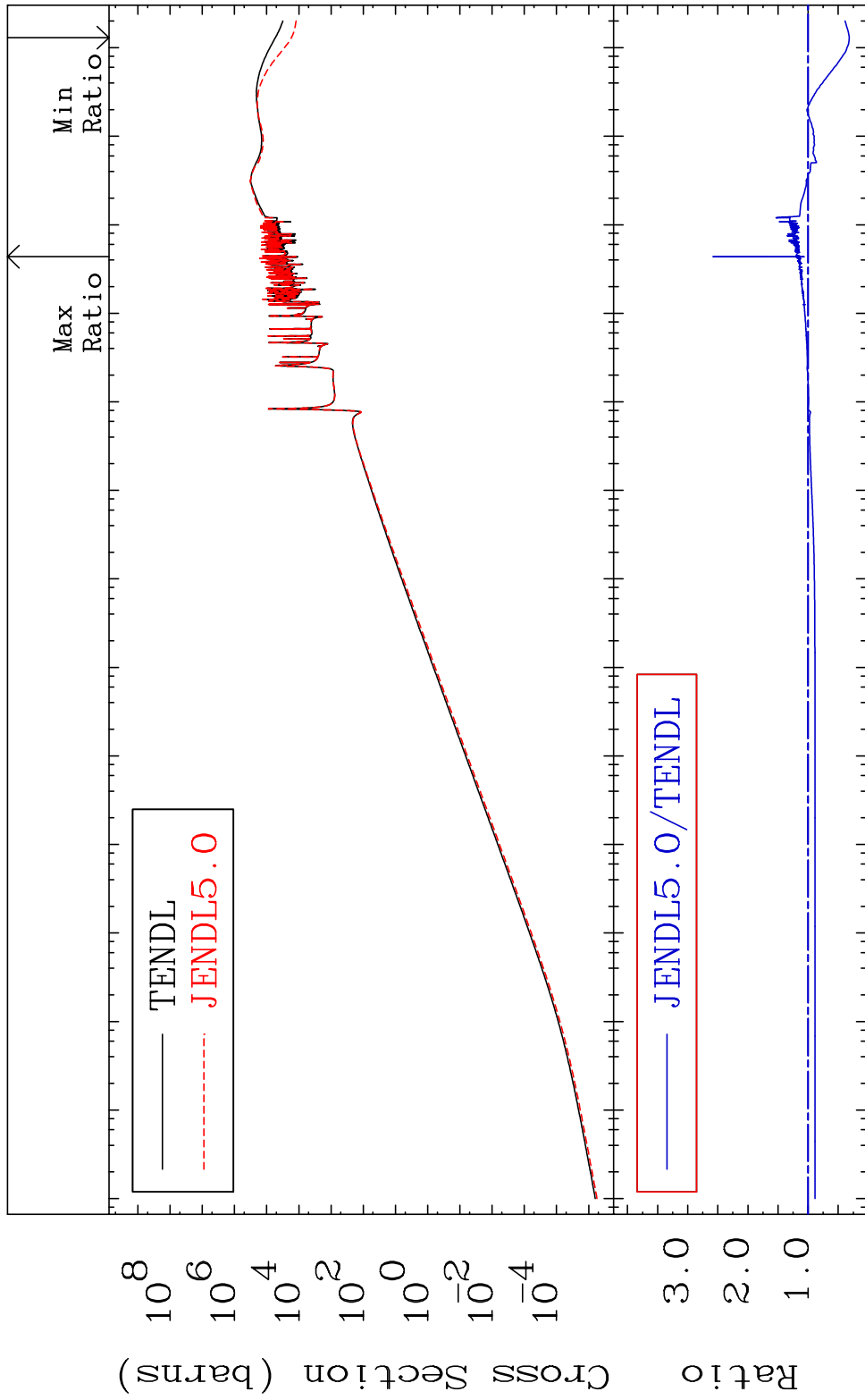




MAT 1731

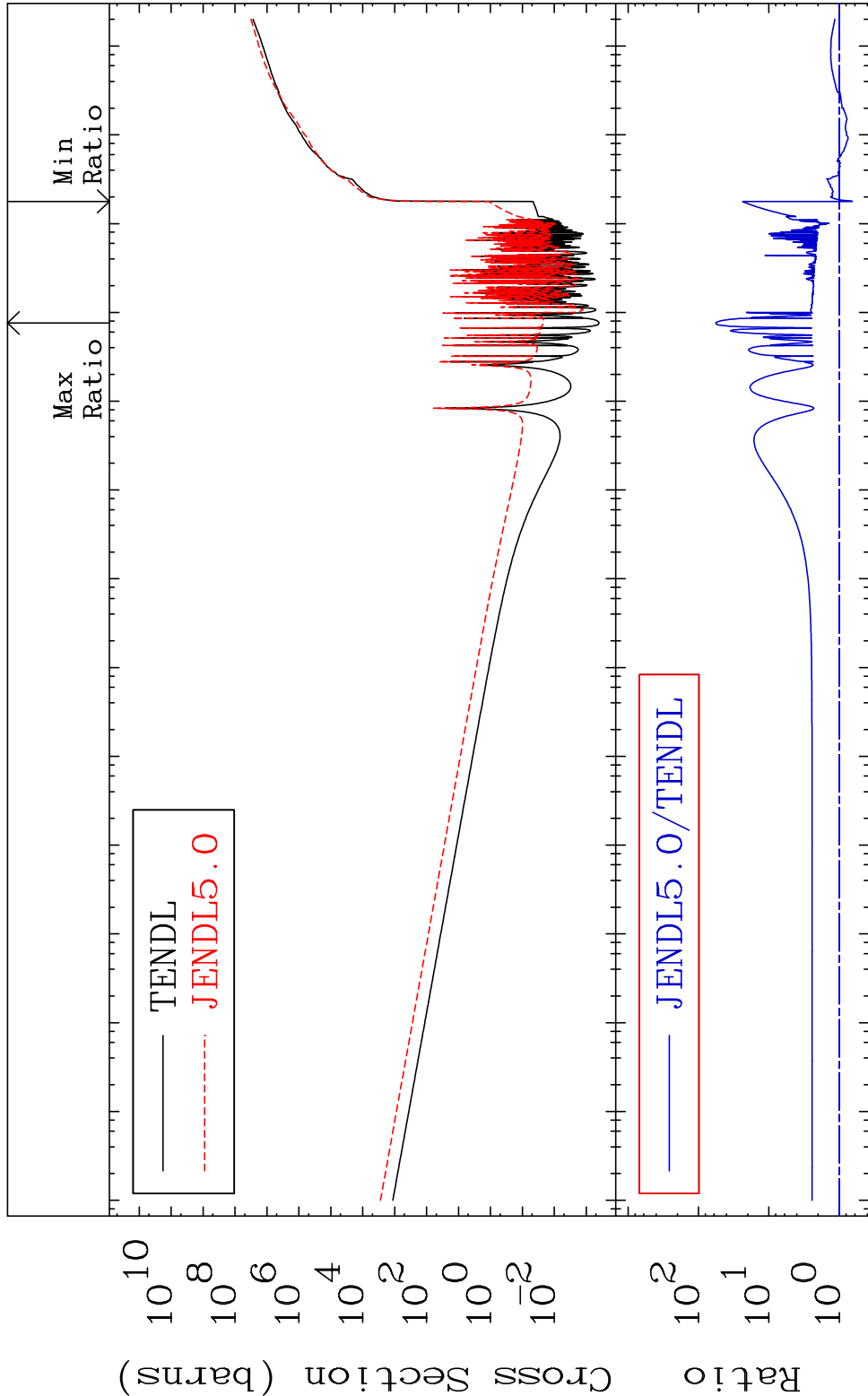
Kerma elastic
Cross Section

17-Cl-37
-68.35 To 157.7 %



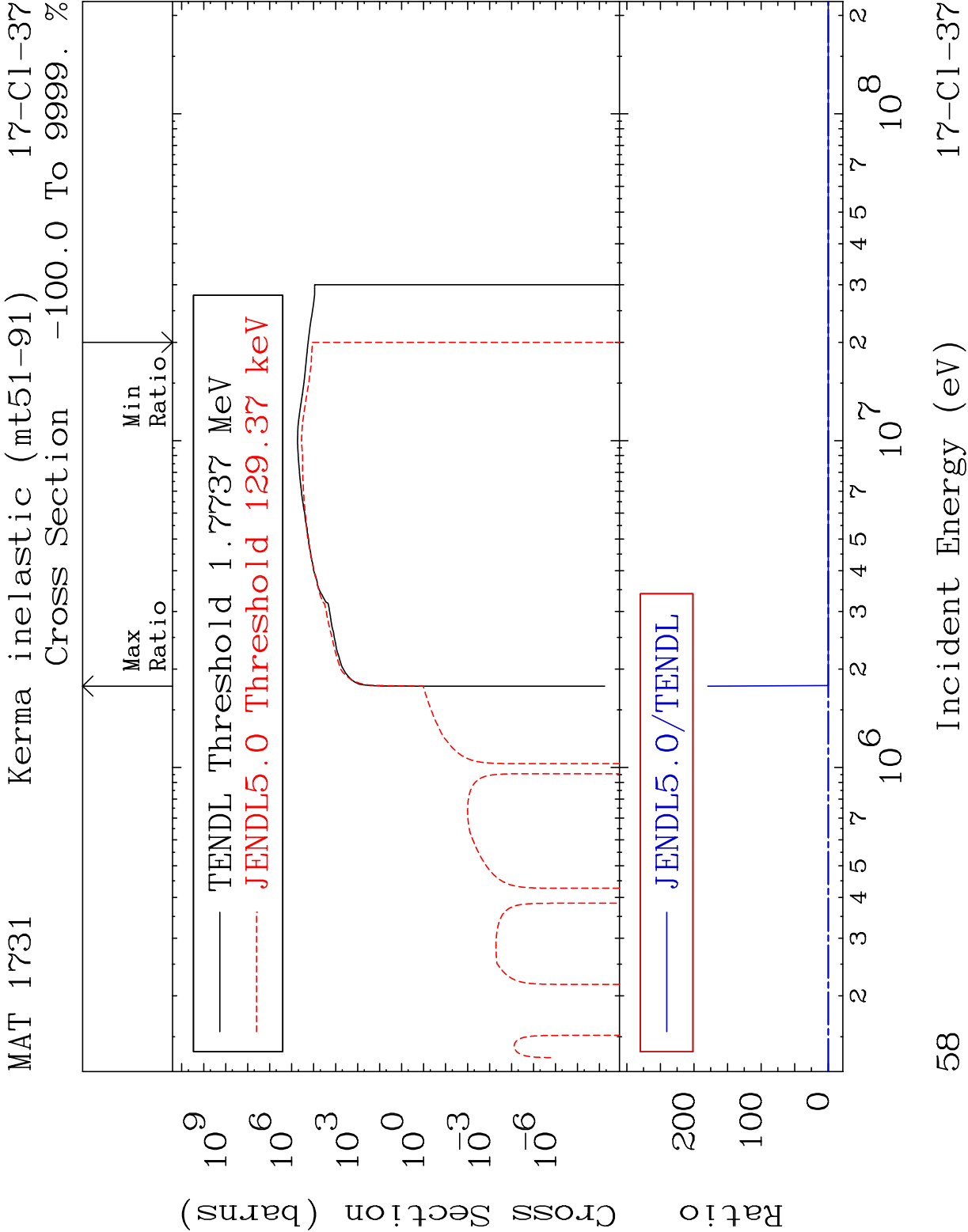
MAT 1731 Kerma non-elastic (all but mt2) 17-Cl-37

Cross Section -34.58 To 5607. %

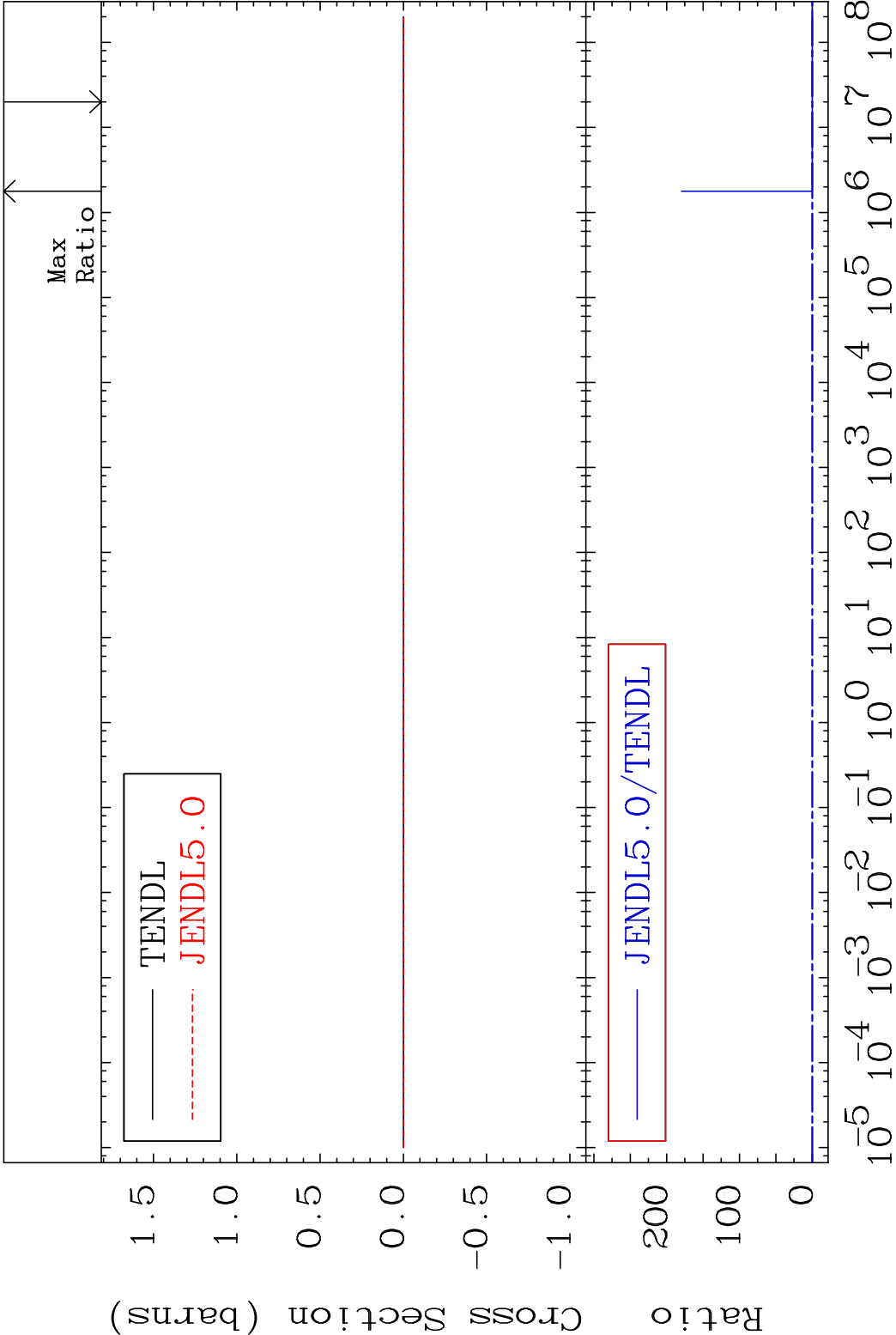


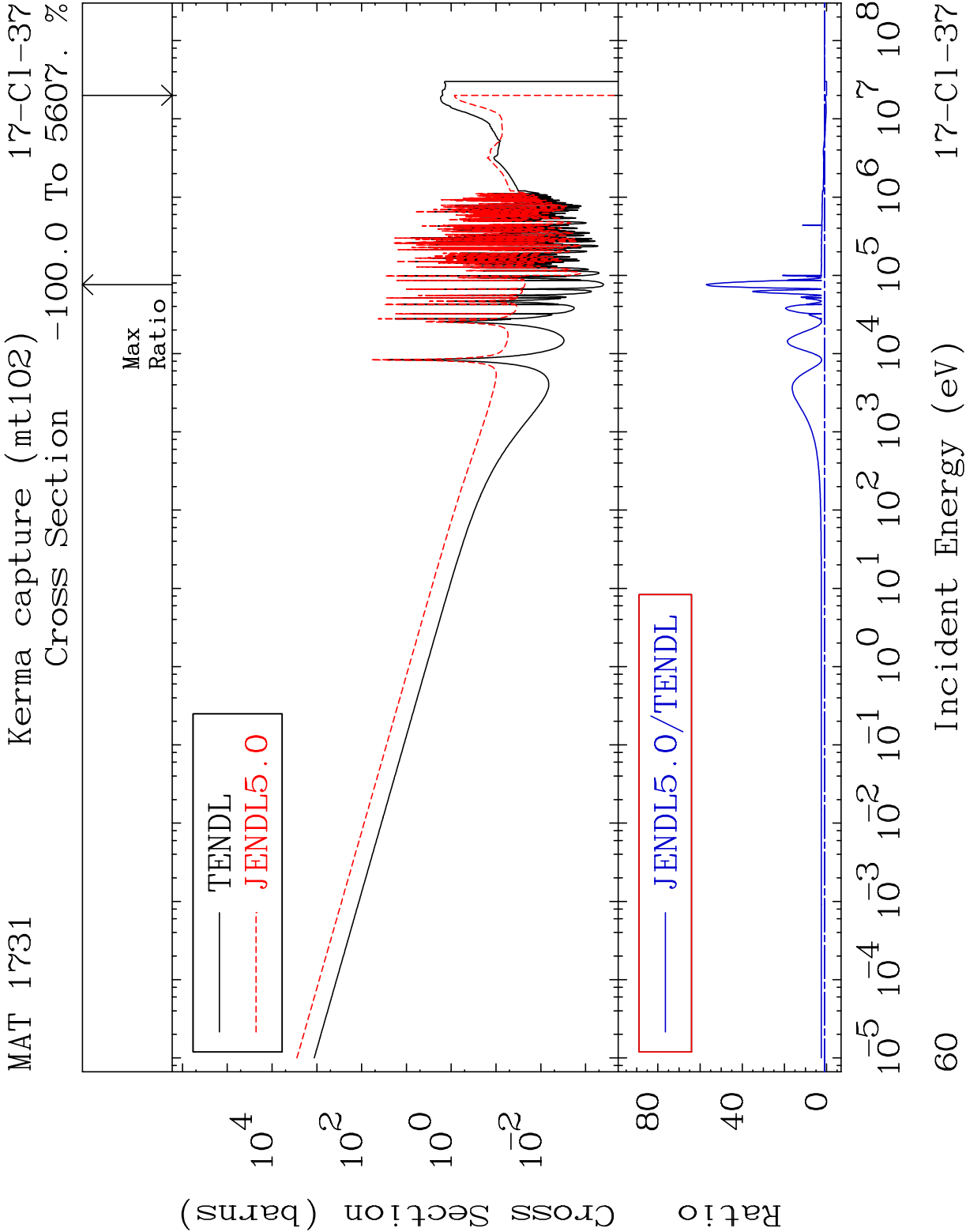
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

57 Incident Energy (eV) 17-Cl-37



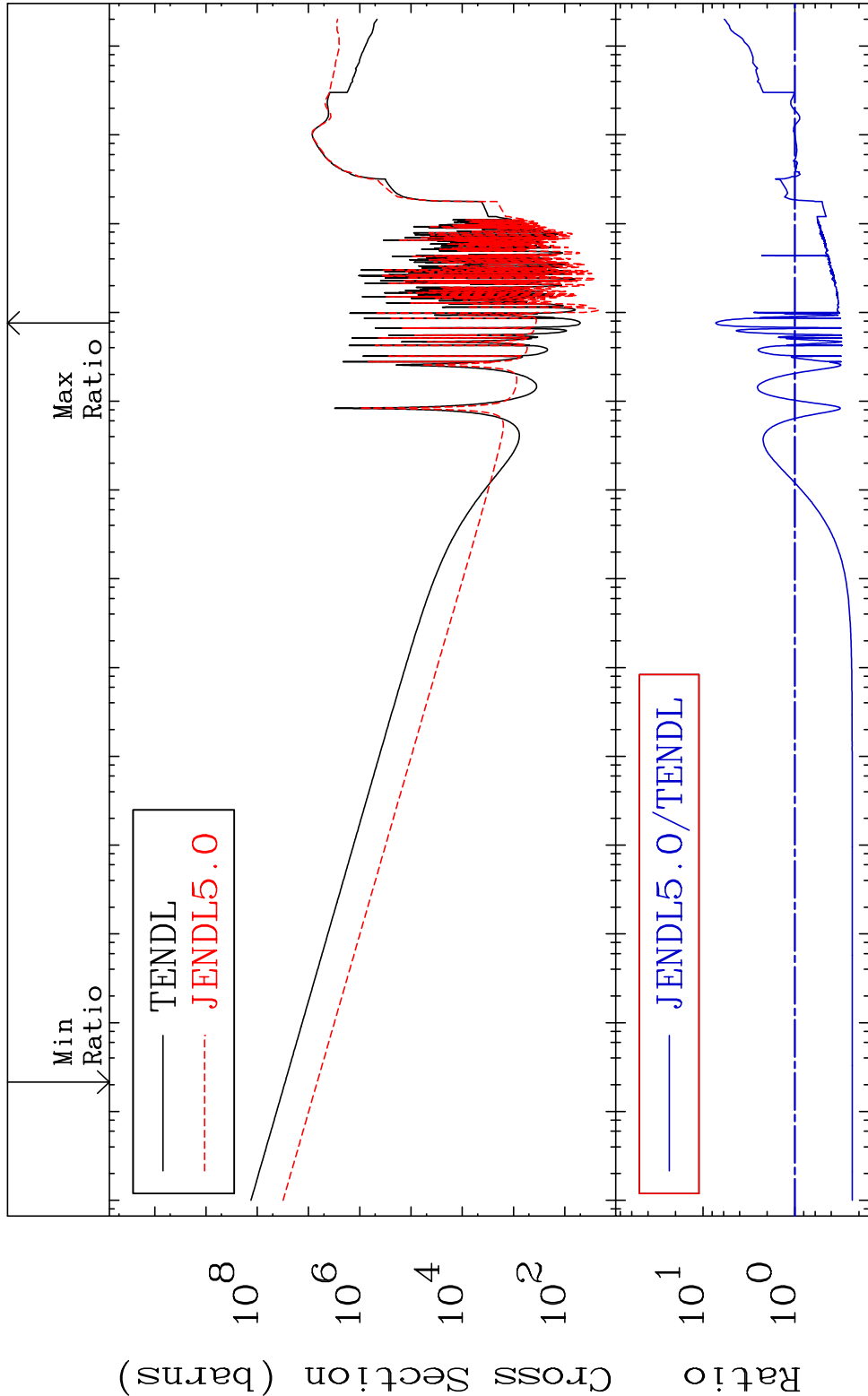
MAT 1731 Kerma fission (mt18 or mt19-20-21-38) 17-Cl-37
Cross Section -100.0 To 9999. %





MAT 1731 Total photon (eV-barns) 17-Cl-37

Cross Section -76.35 To 630.1 %

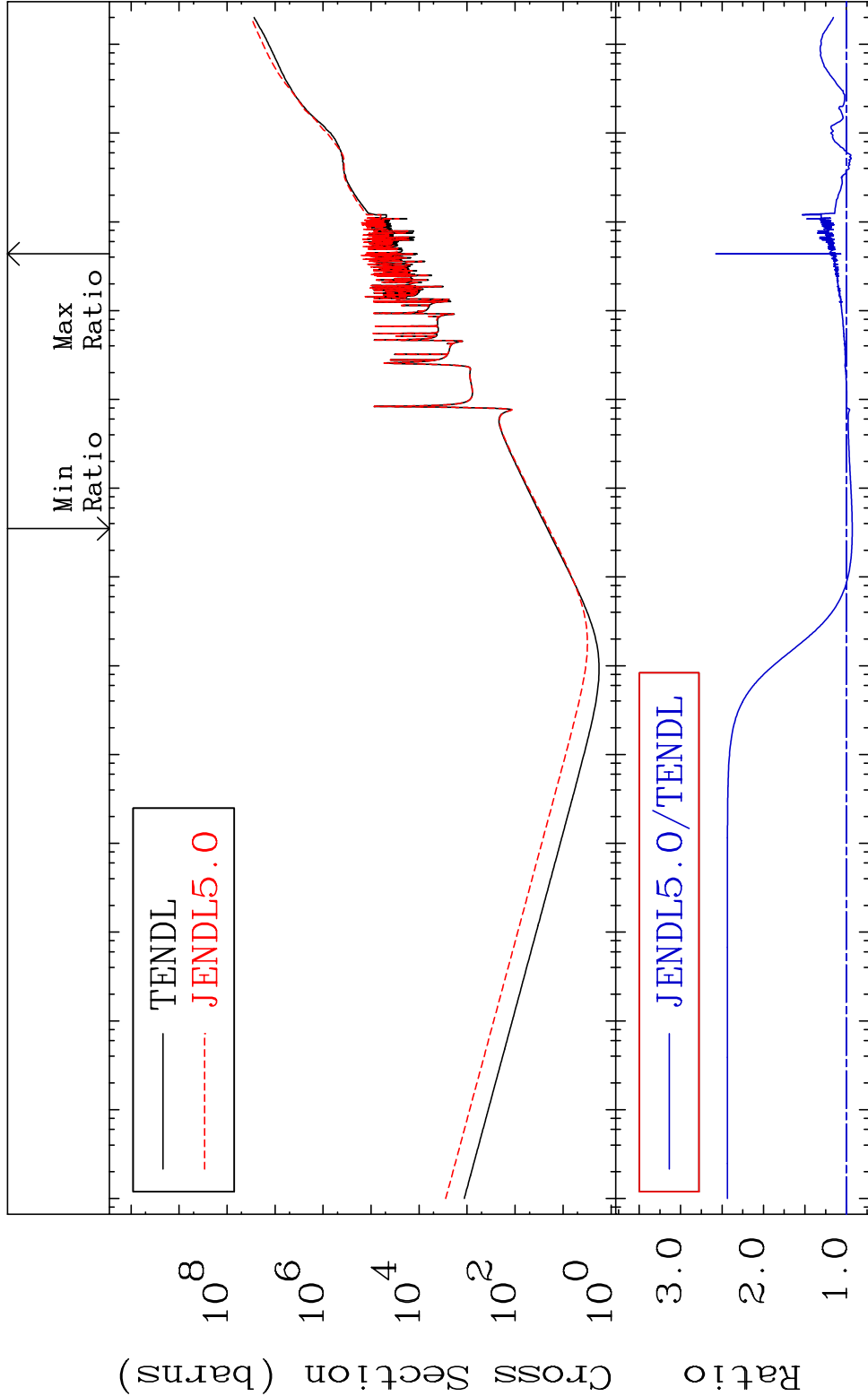


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

61 Incident Energy (eV) 17-Cl-37

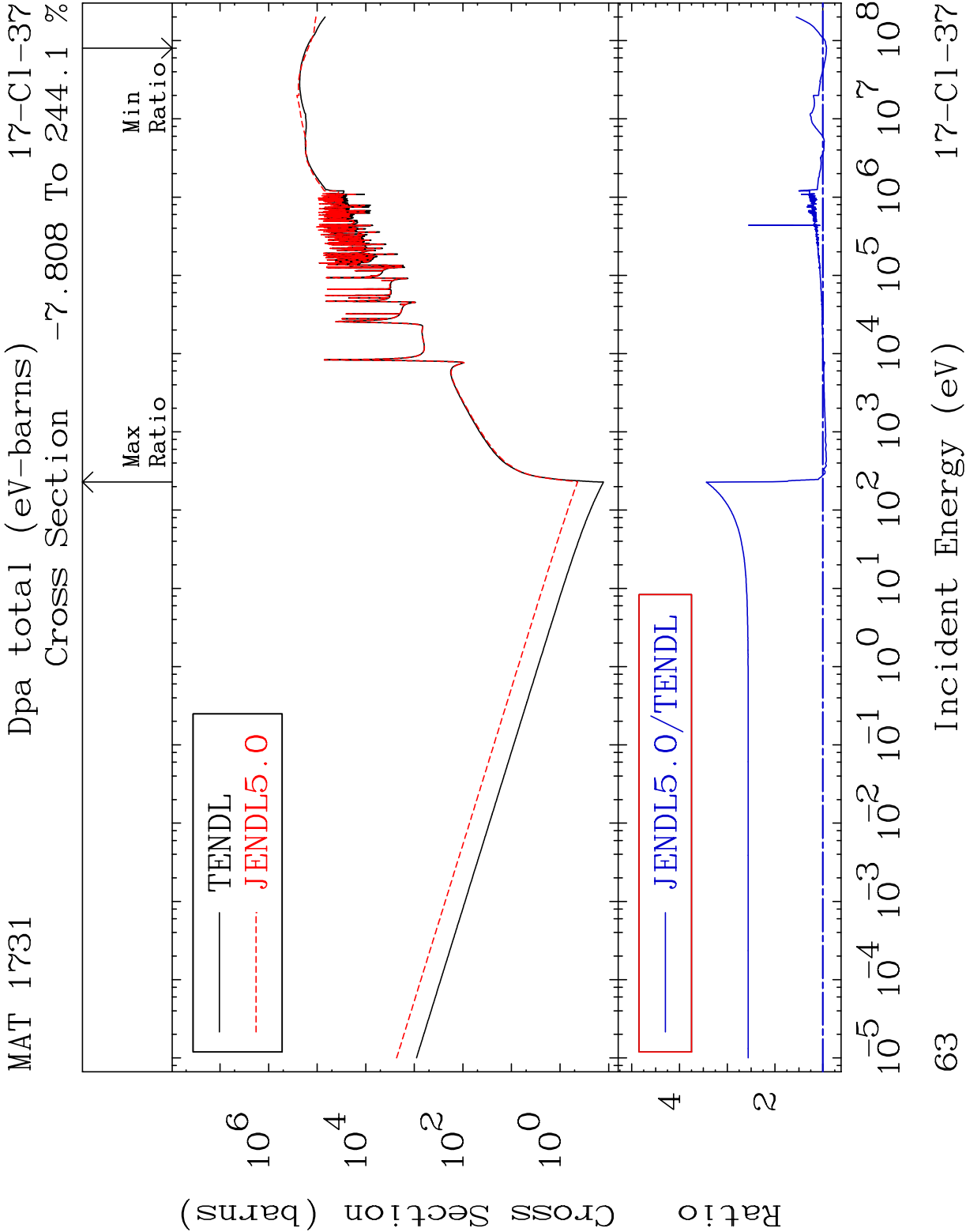
MAT 1731 Total kinematic kerma (high limit) 17-Cl-37

Cross Section -7.110 To 157.7 %



Ratio JENDL5.0/TENDL

62 Incident Energy (eV) 17-Cl-37



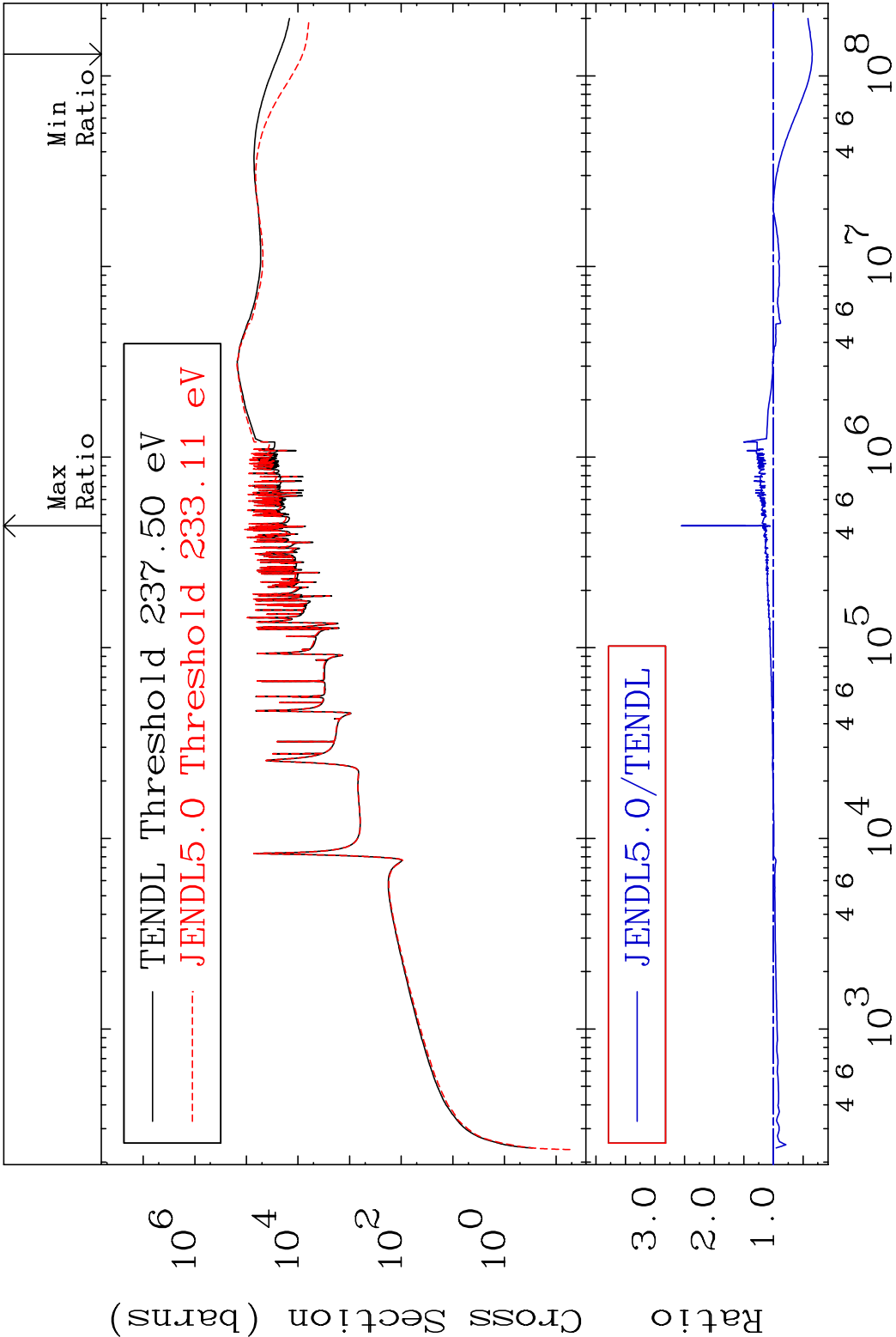
MAT 1731

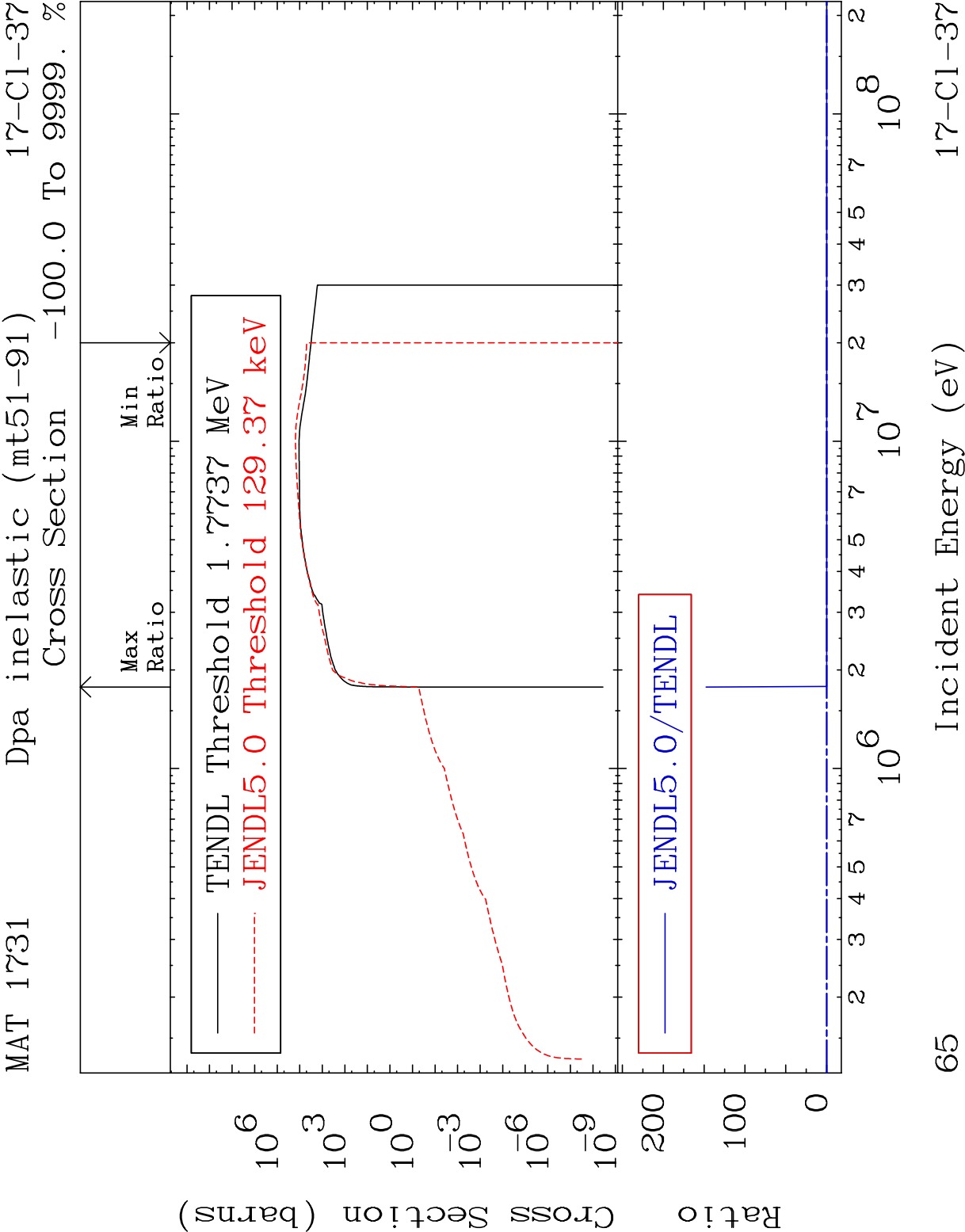
Dpa elastic (mt2)

17-Cl-37

Cross Section

-65.46 To 155.3 %





MAT 1731 Dpa disappearance (mt102 -120) 17-Cl-37

Cross Section -100.0 To 6005. %

