

Program Complot
(Version 2021-1)

by

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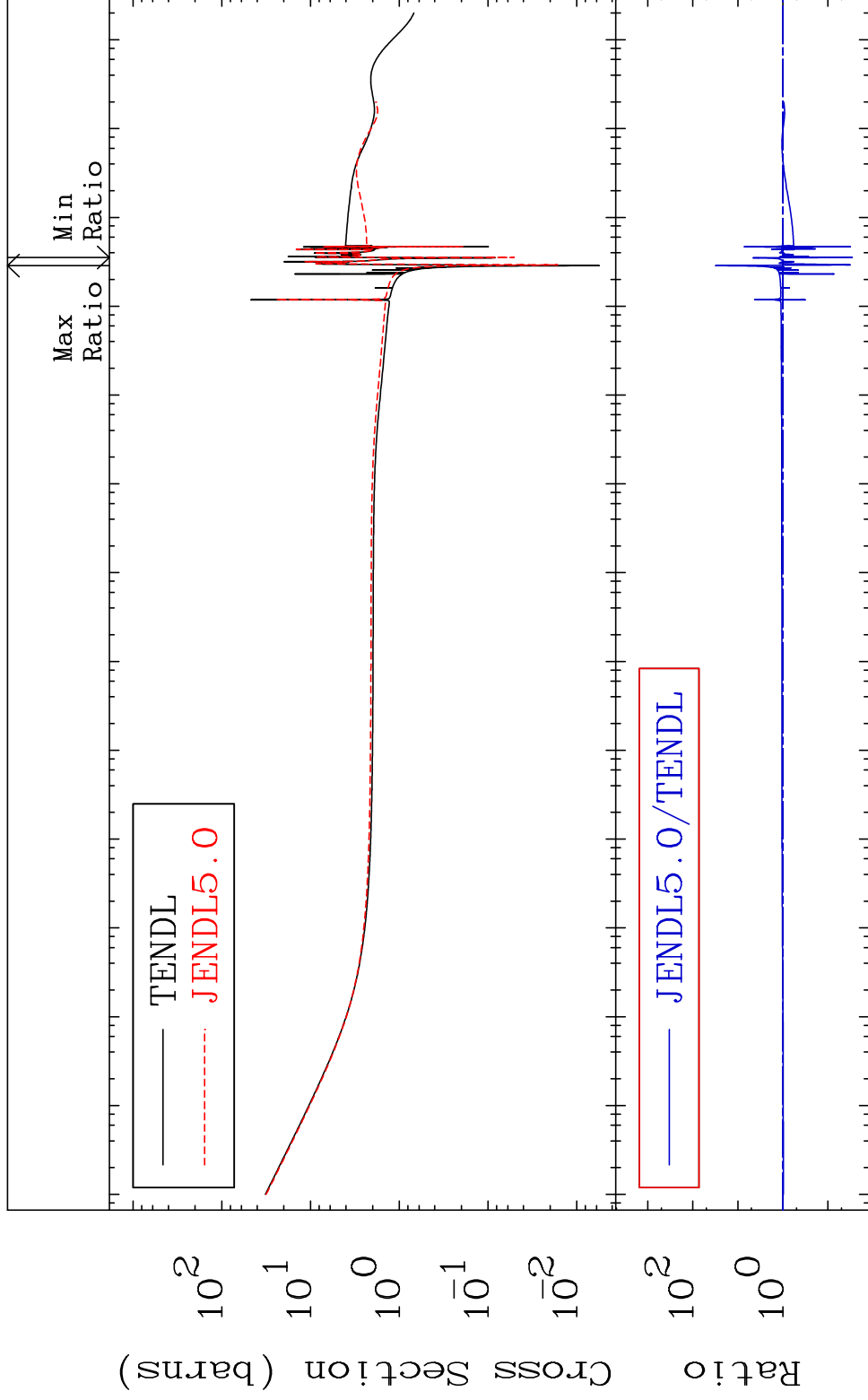
Press Mouse Button to Start

MAT 1631

Total

16-S -34

Cross Section -97.11 To 3012. %



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

1

Incident Energy (eV)

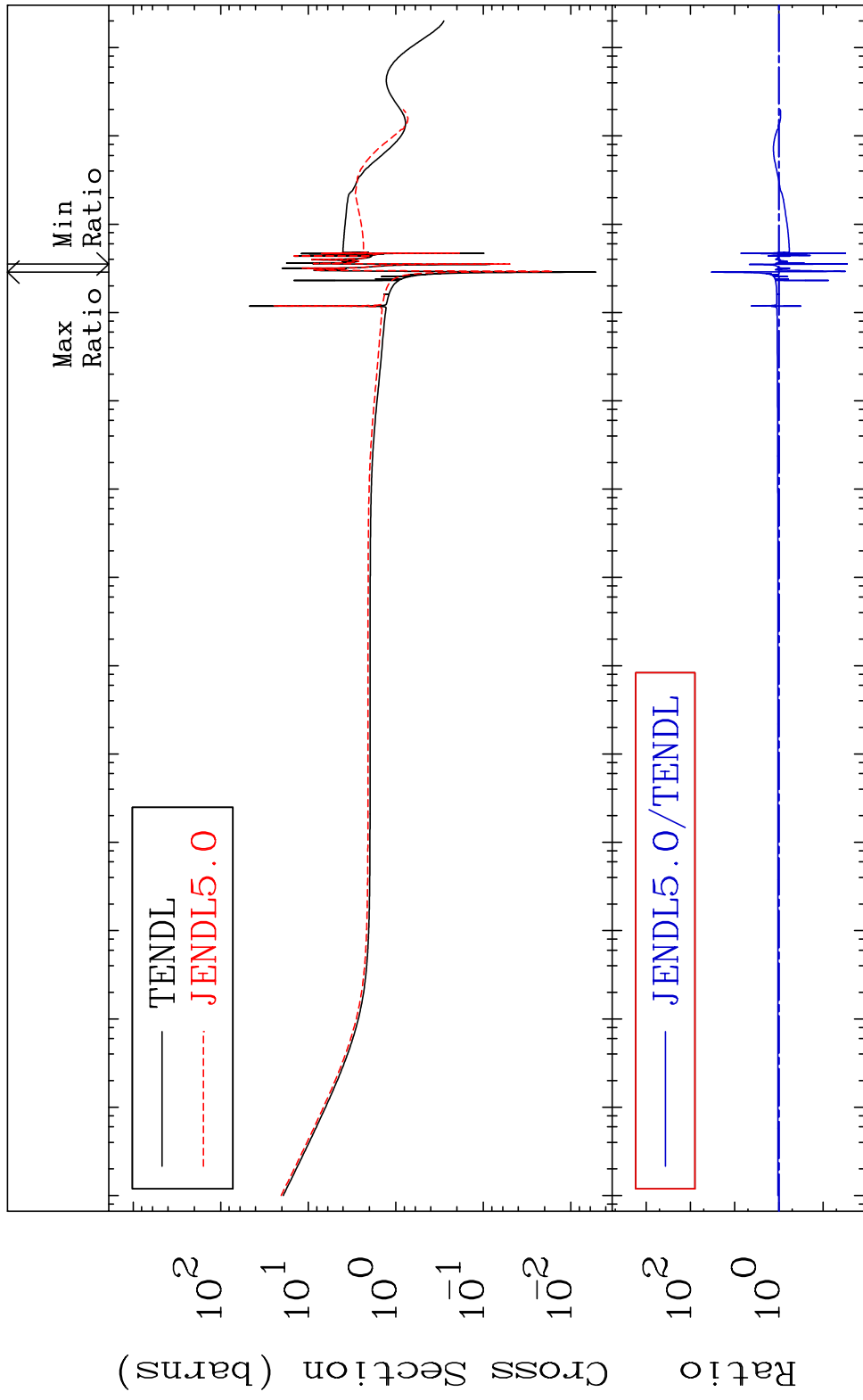
16-S -34

MAT 1631

Elastic

16-S -34

Cross Section -97.16 To 3234. %

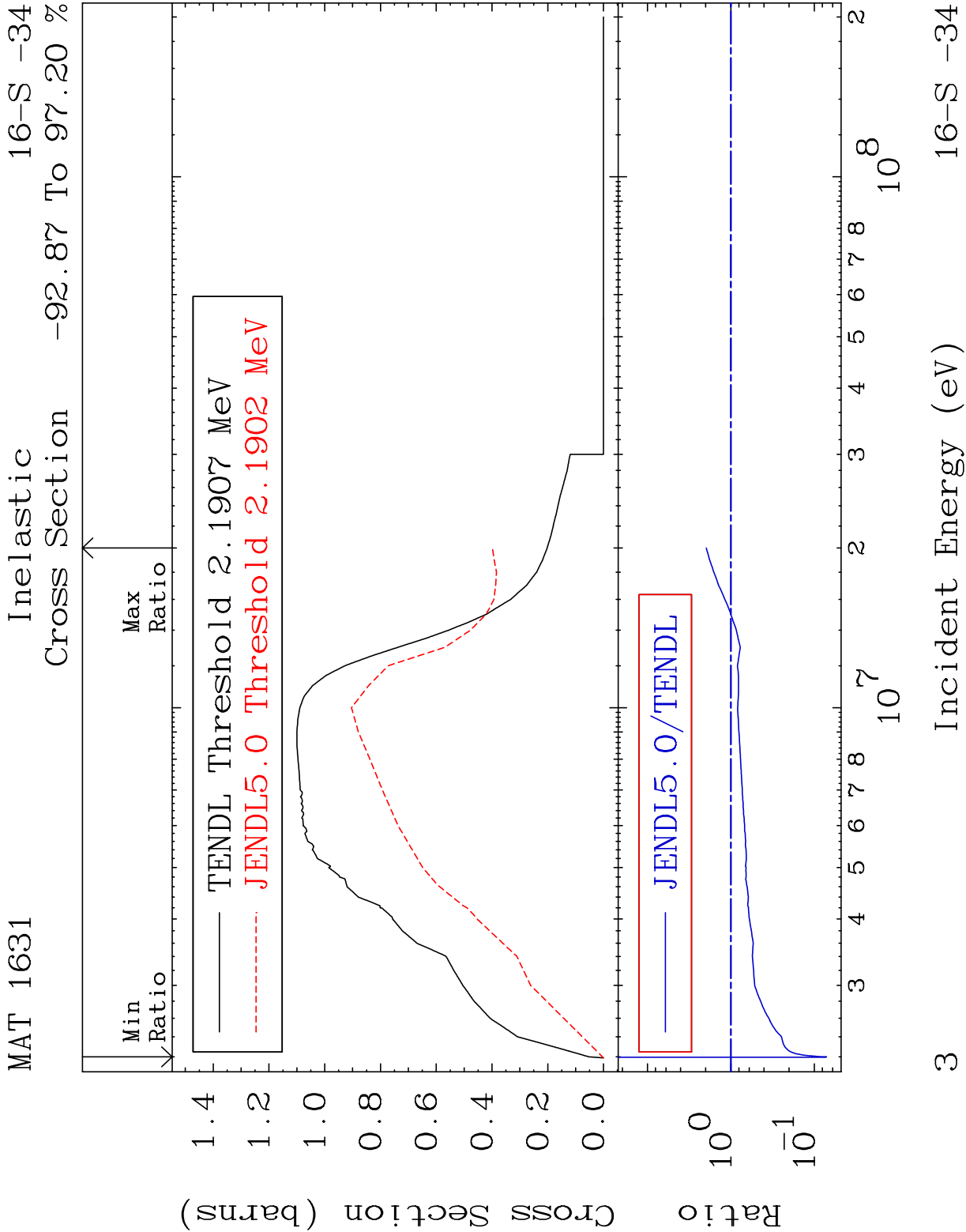


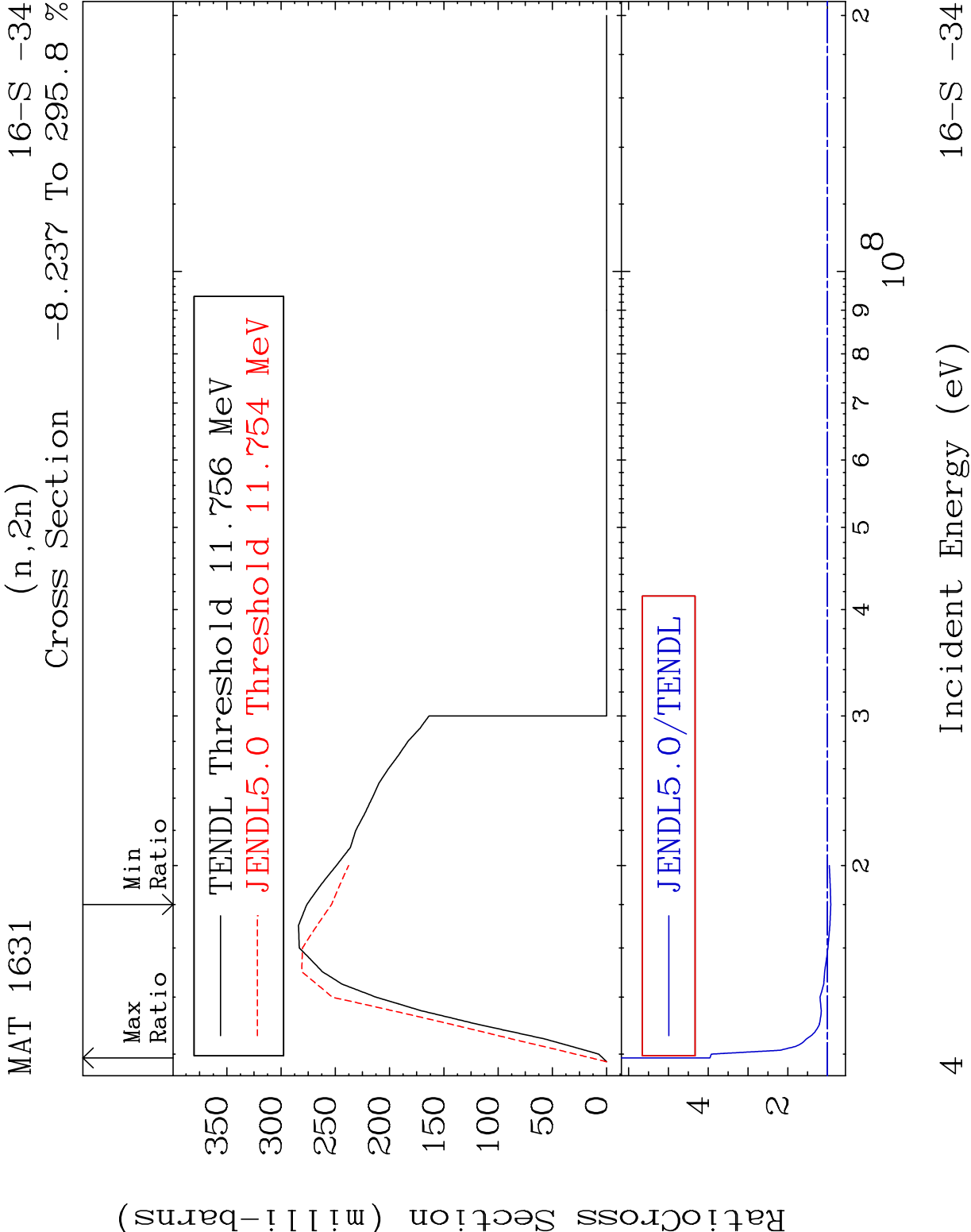
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

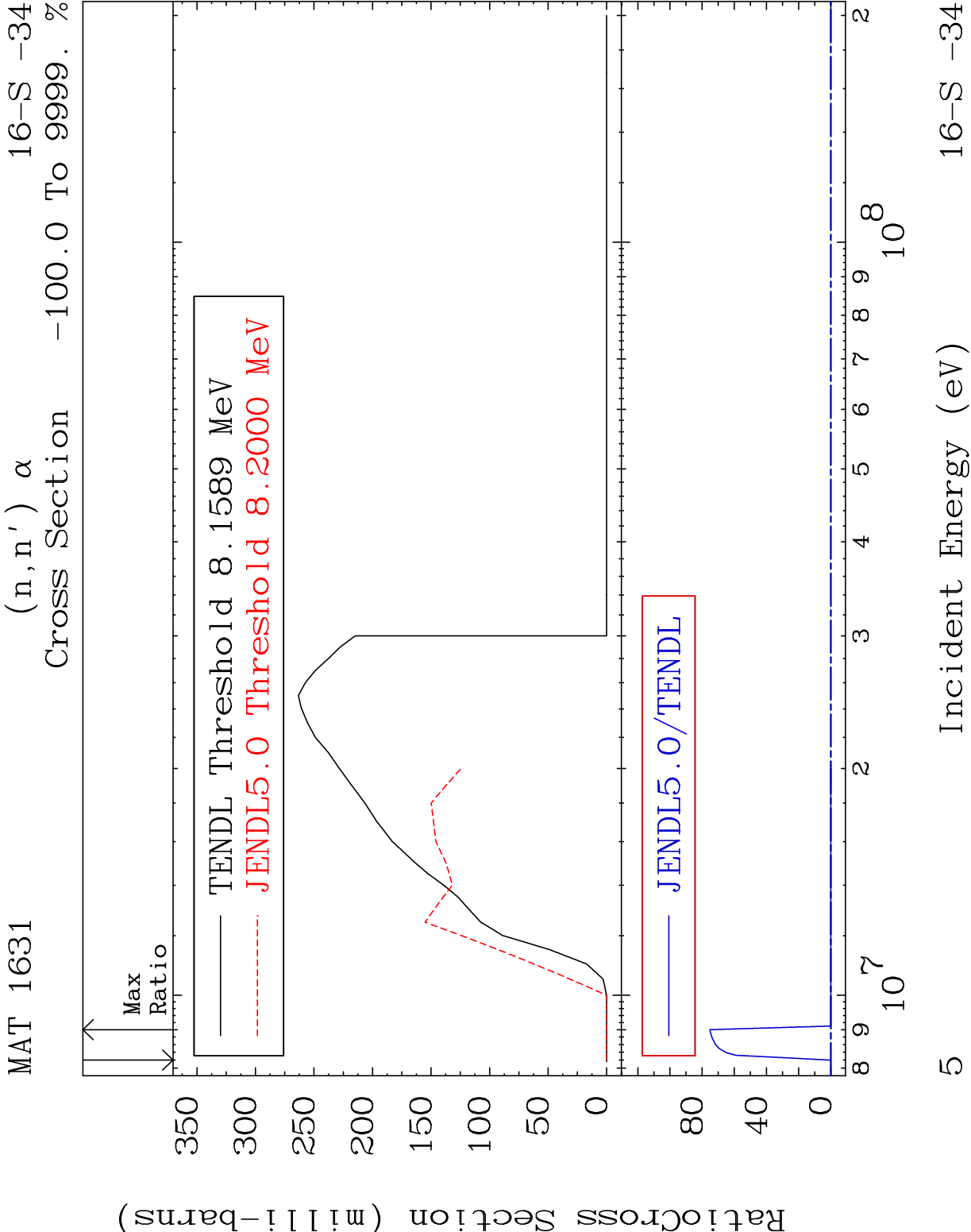
2

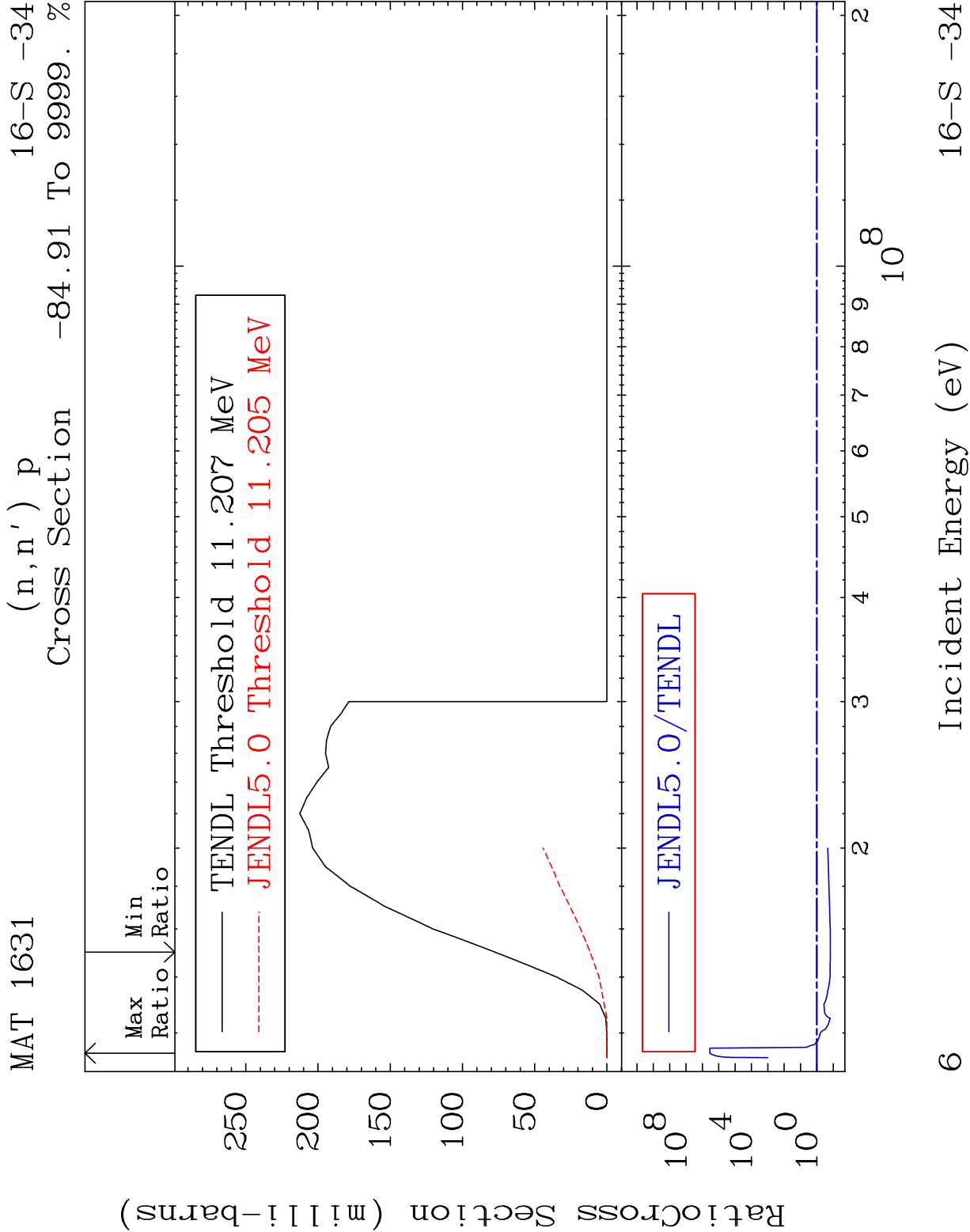
Incident Energy (eV)

16-S -34







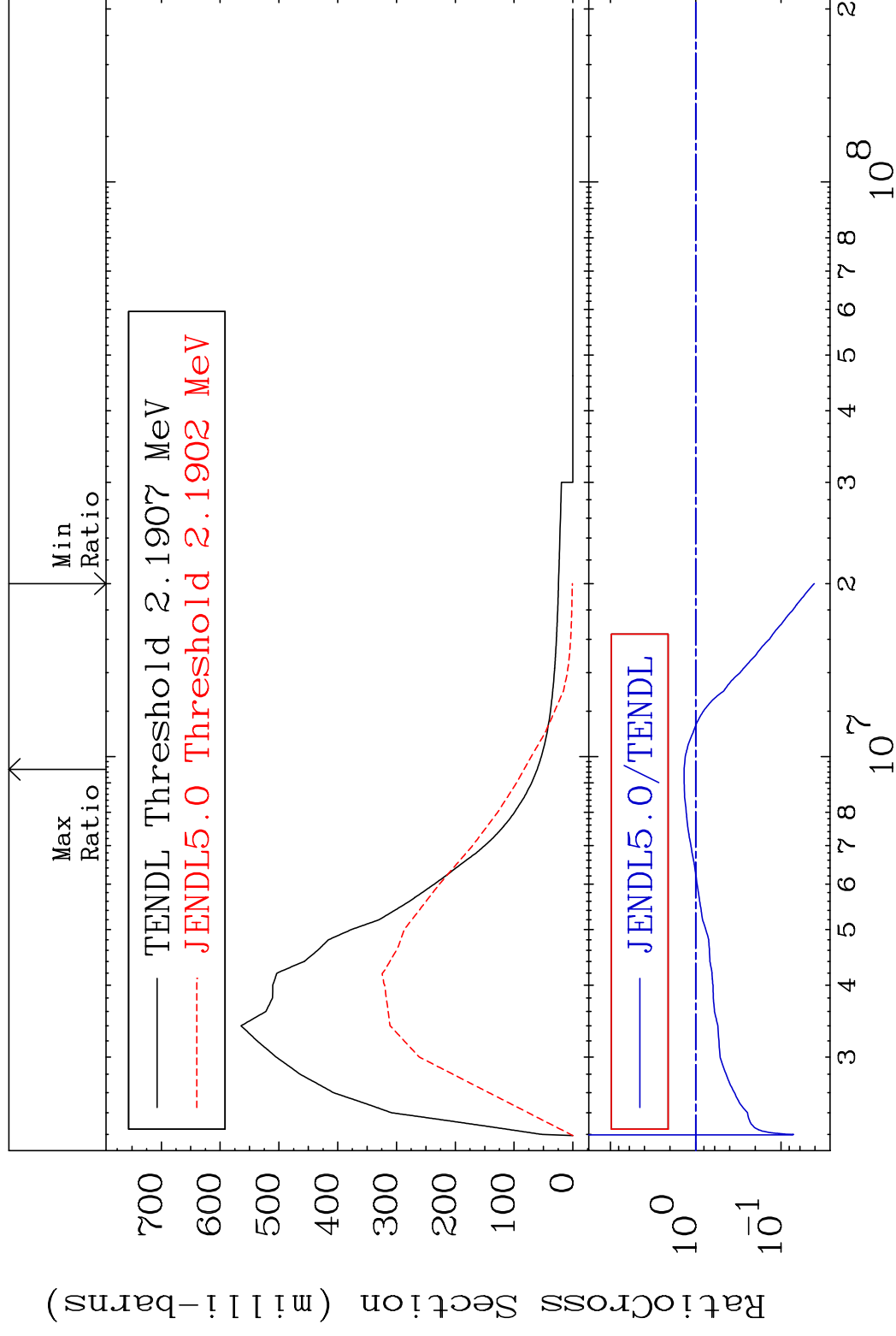


MAT 1631

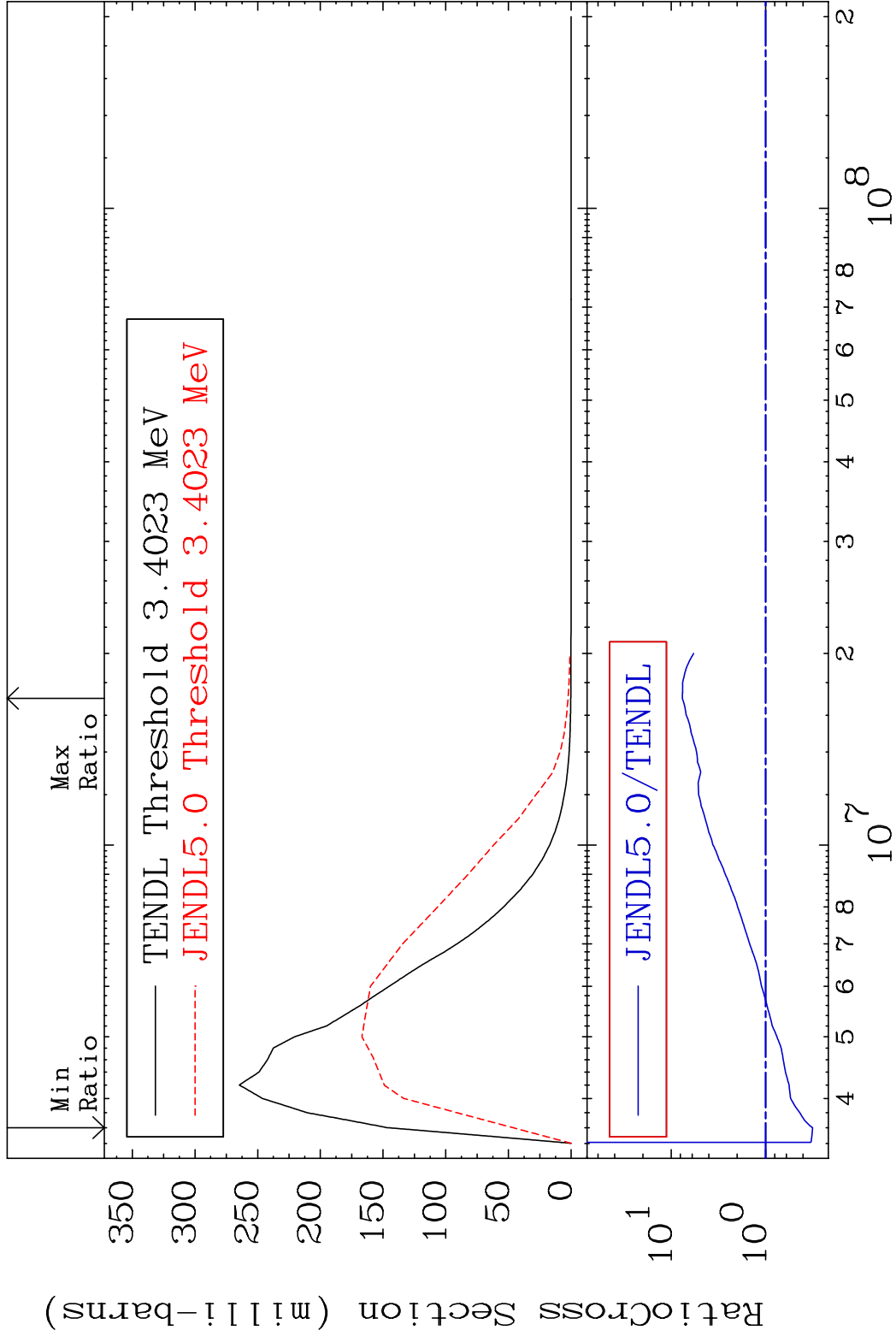
MT= 51 (n, n') Level

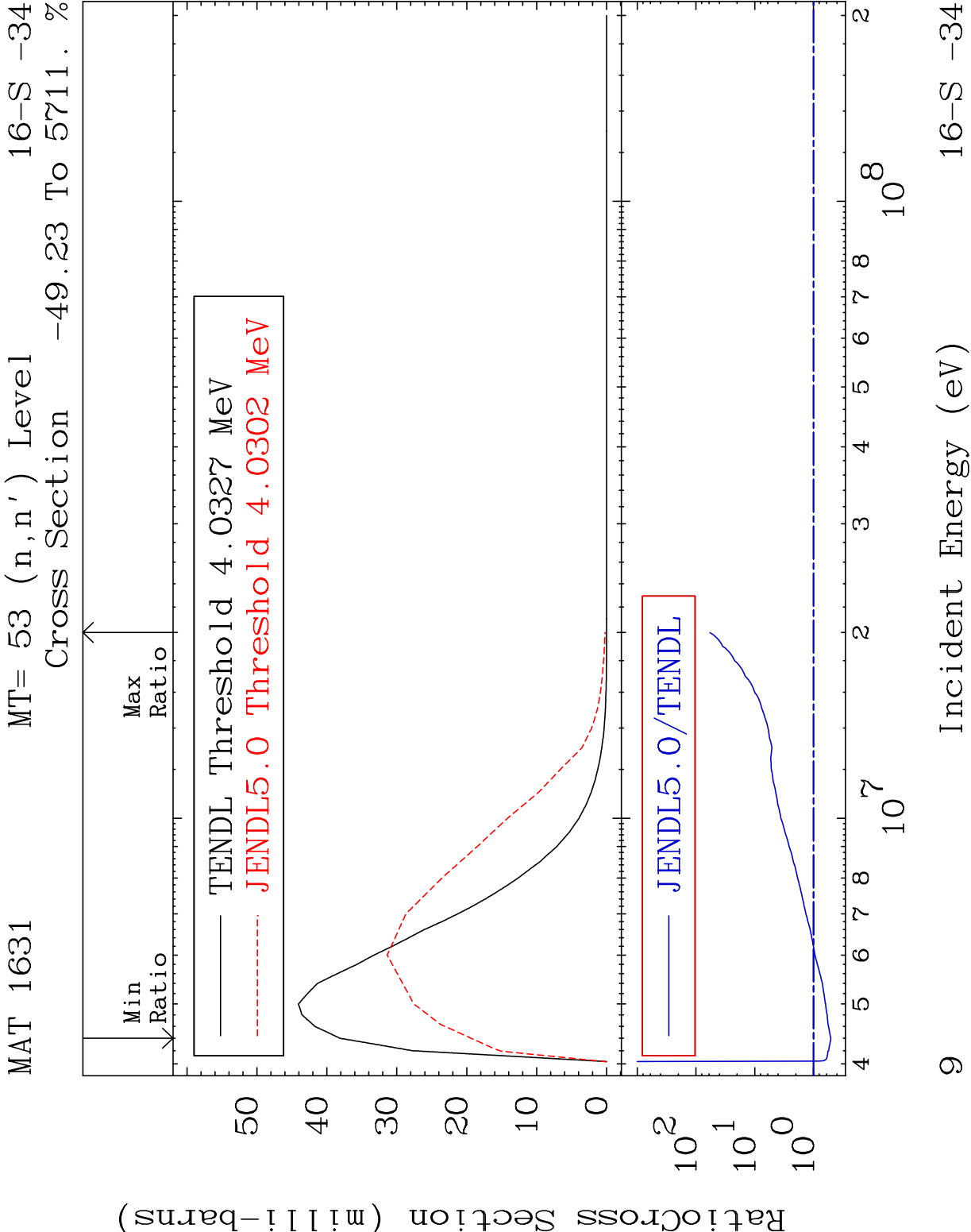
16-S-34

Cross Section -95.93 To 36.84 %

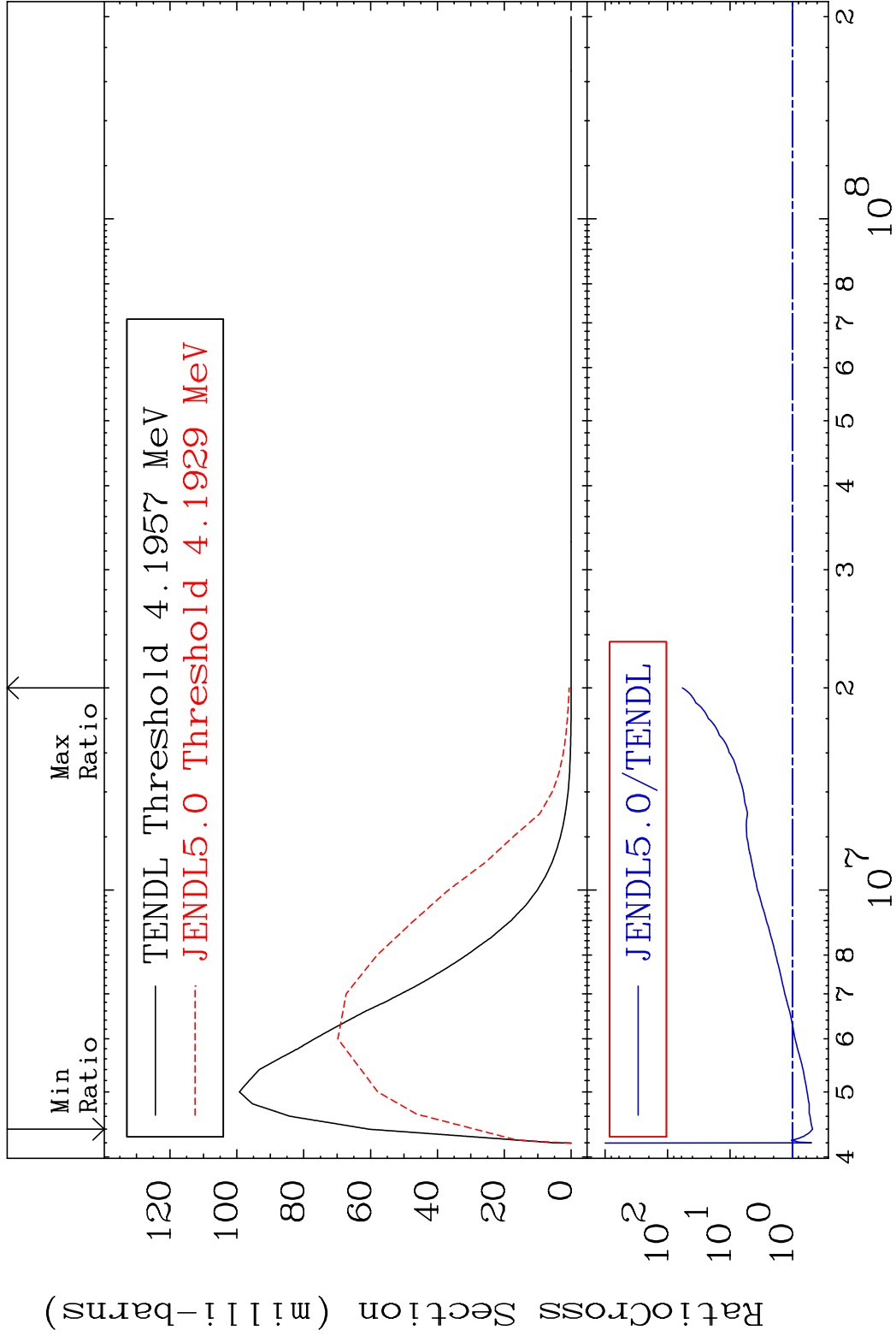


MAT 1631 MT= 52 (n,n') Level 16-S -34
Cross Section -68.27 To 663.6 %

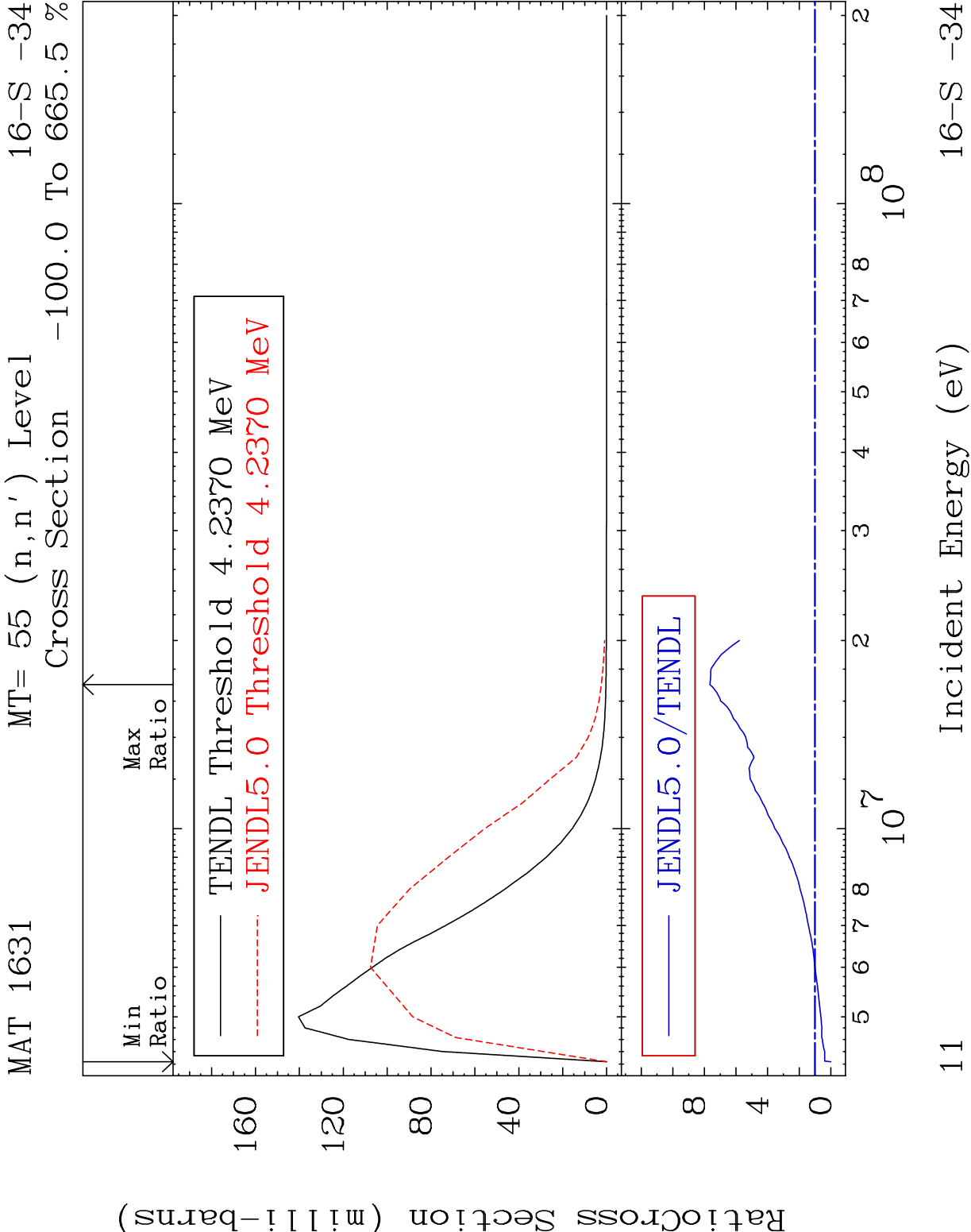


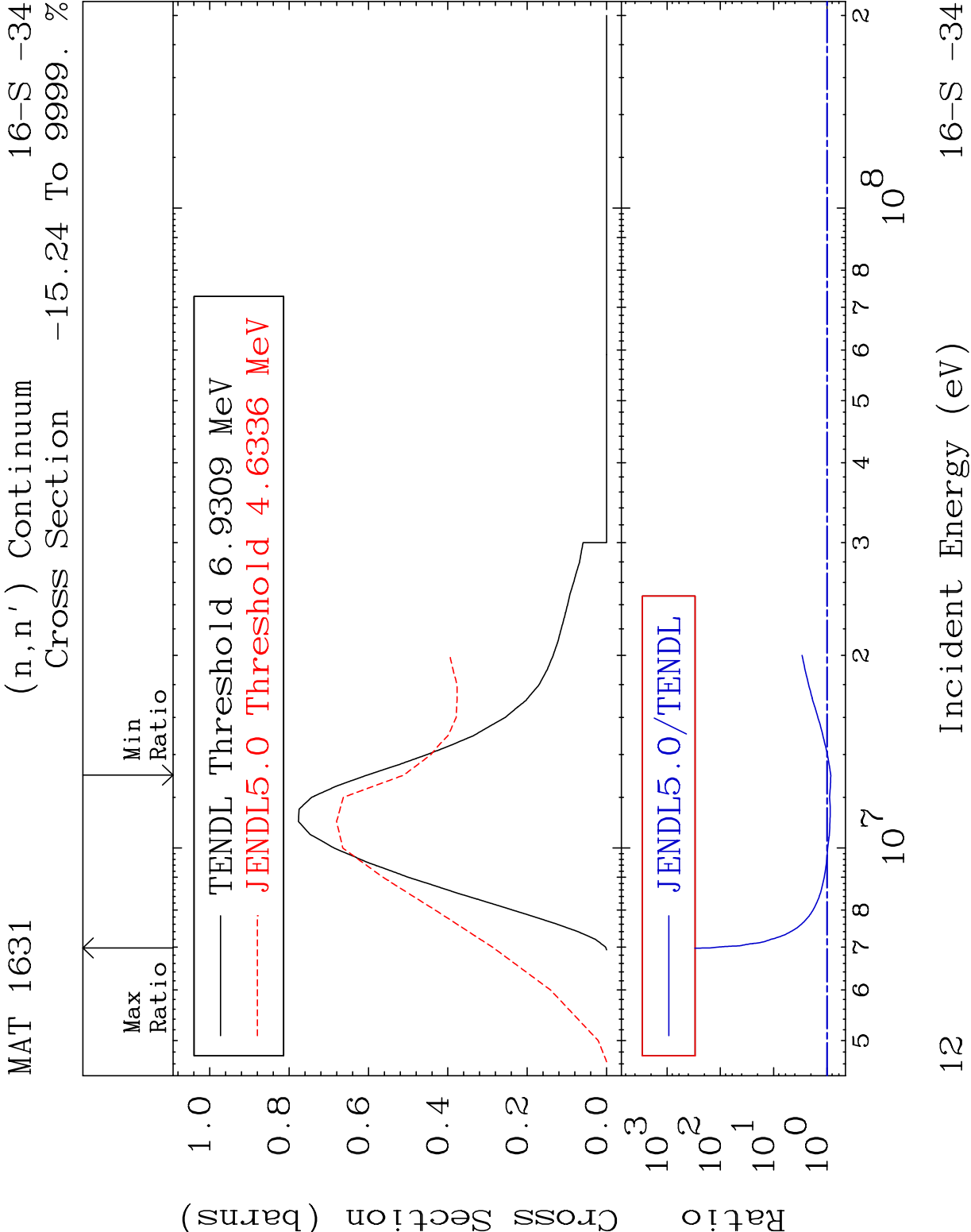


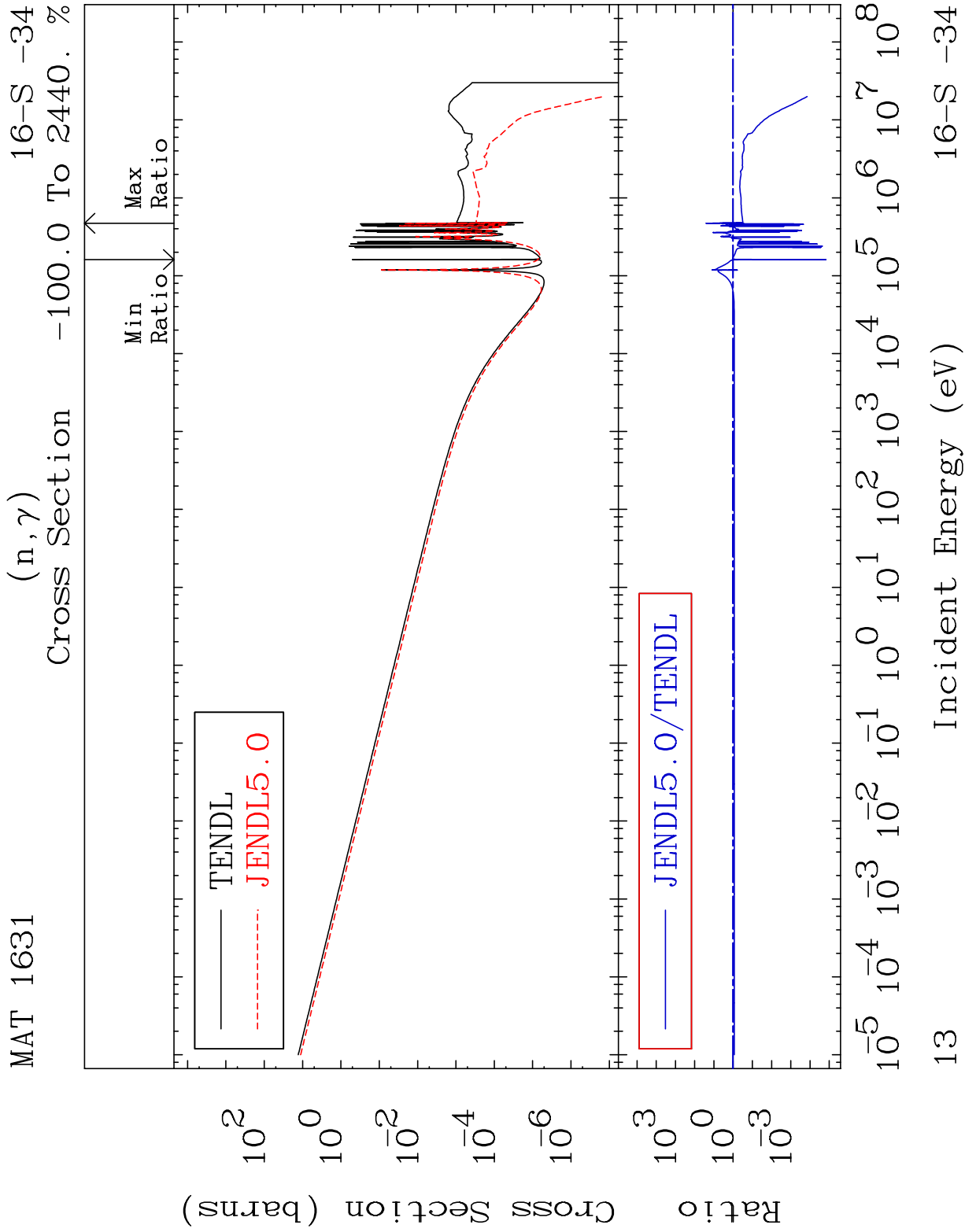
MAT 1631 MT= 54 (n,n') Level 16-S -34
Cross Section -52.41 To 5695. %

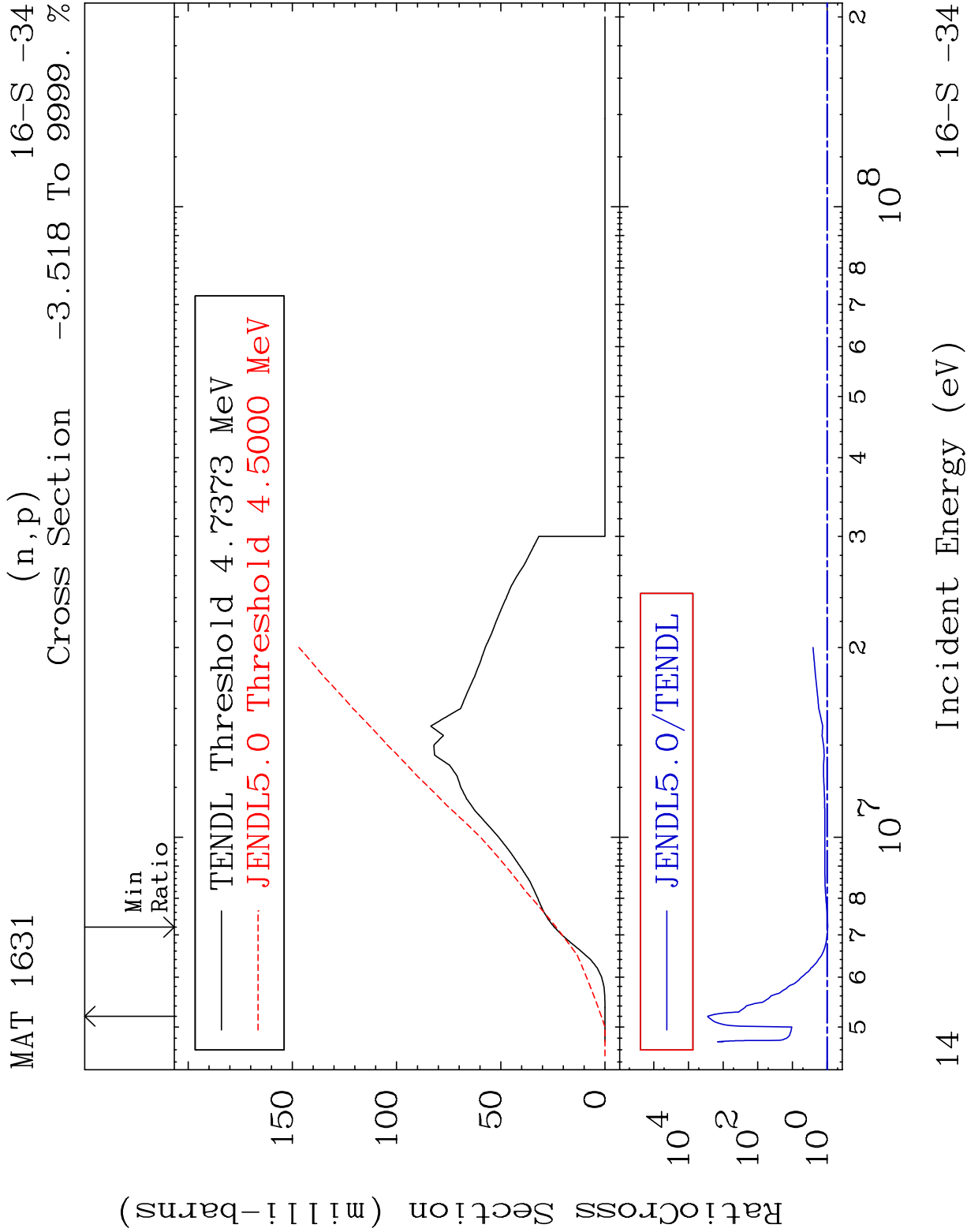


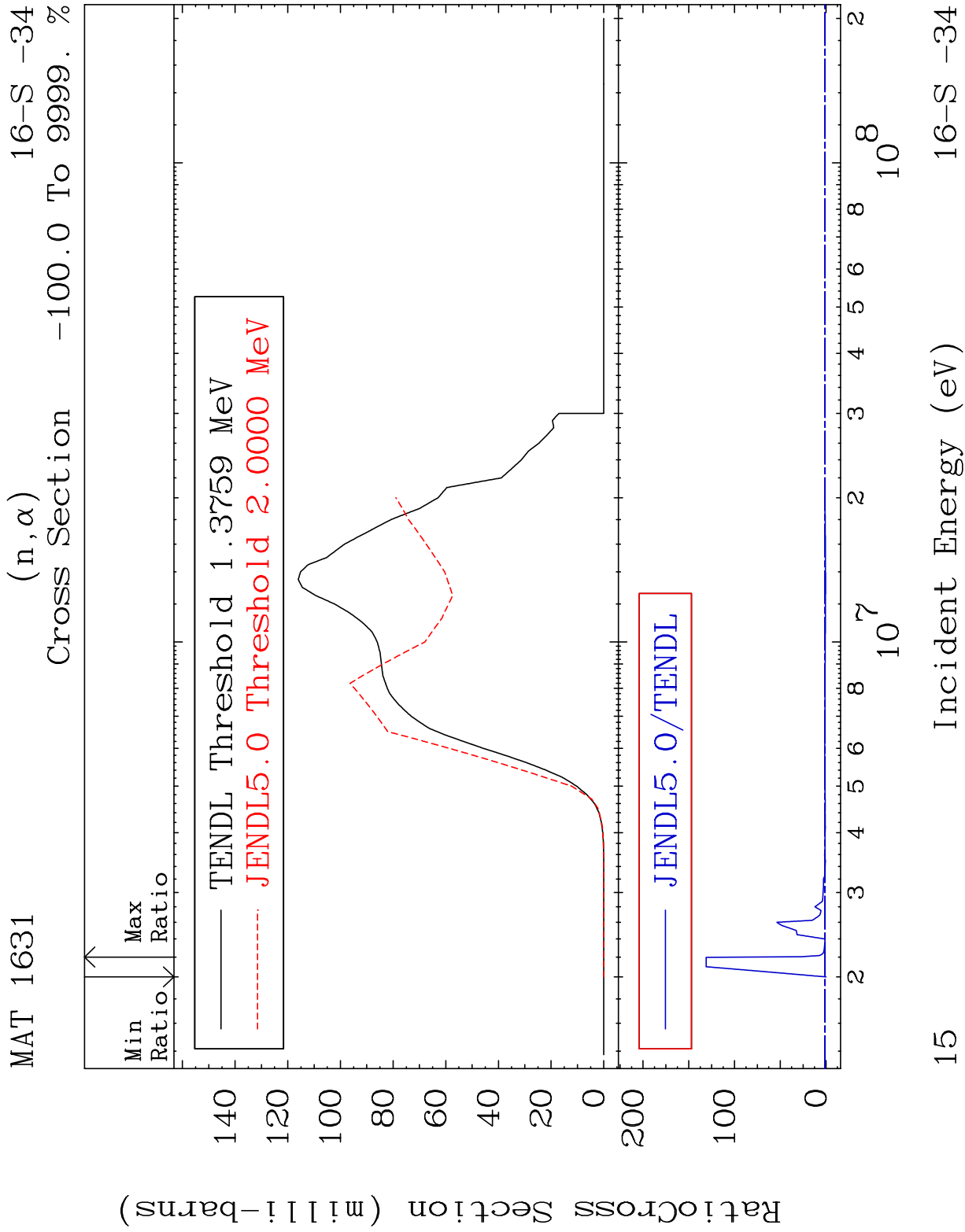
10 Incident Energy (eV) 16-S -34

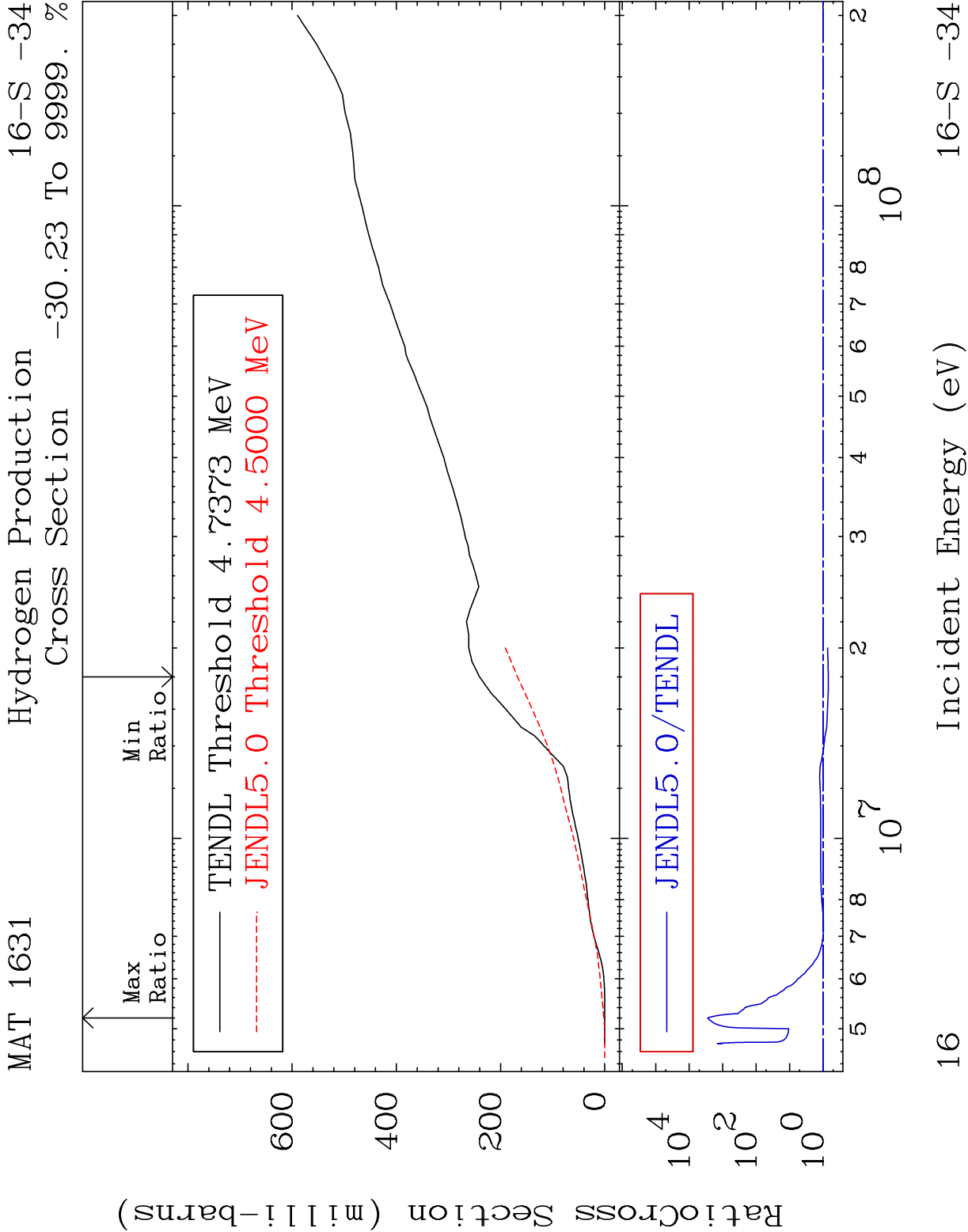


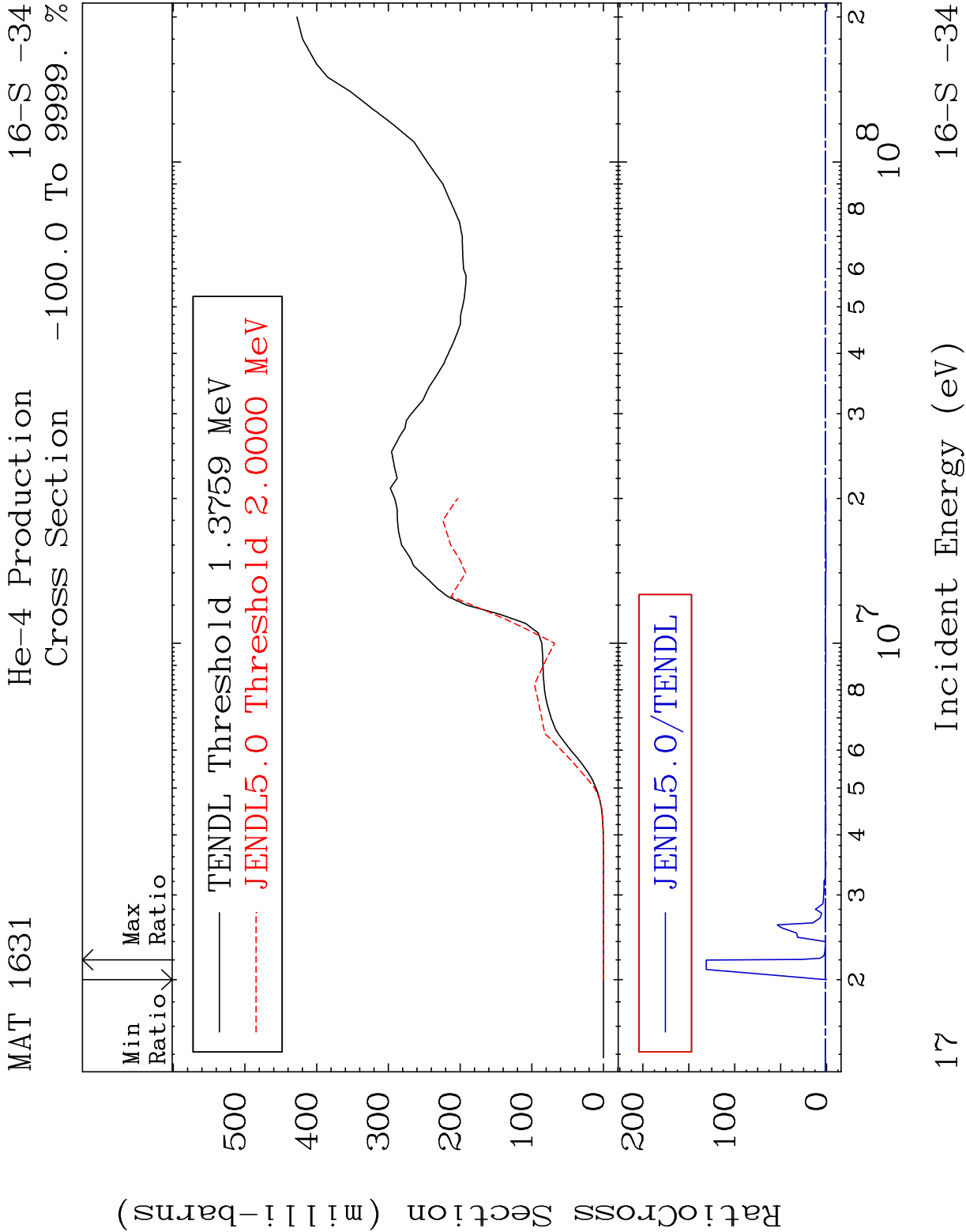


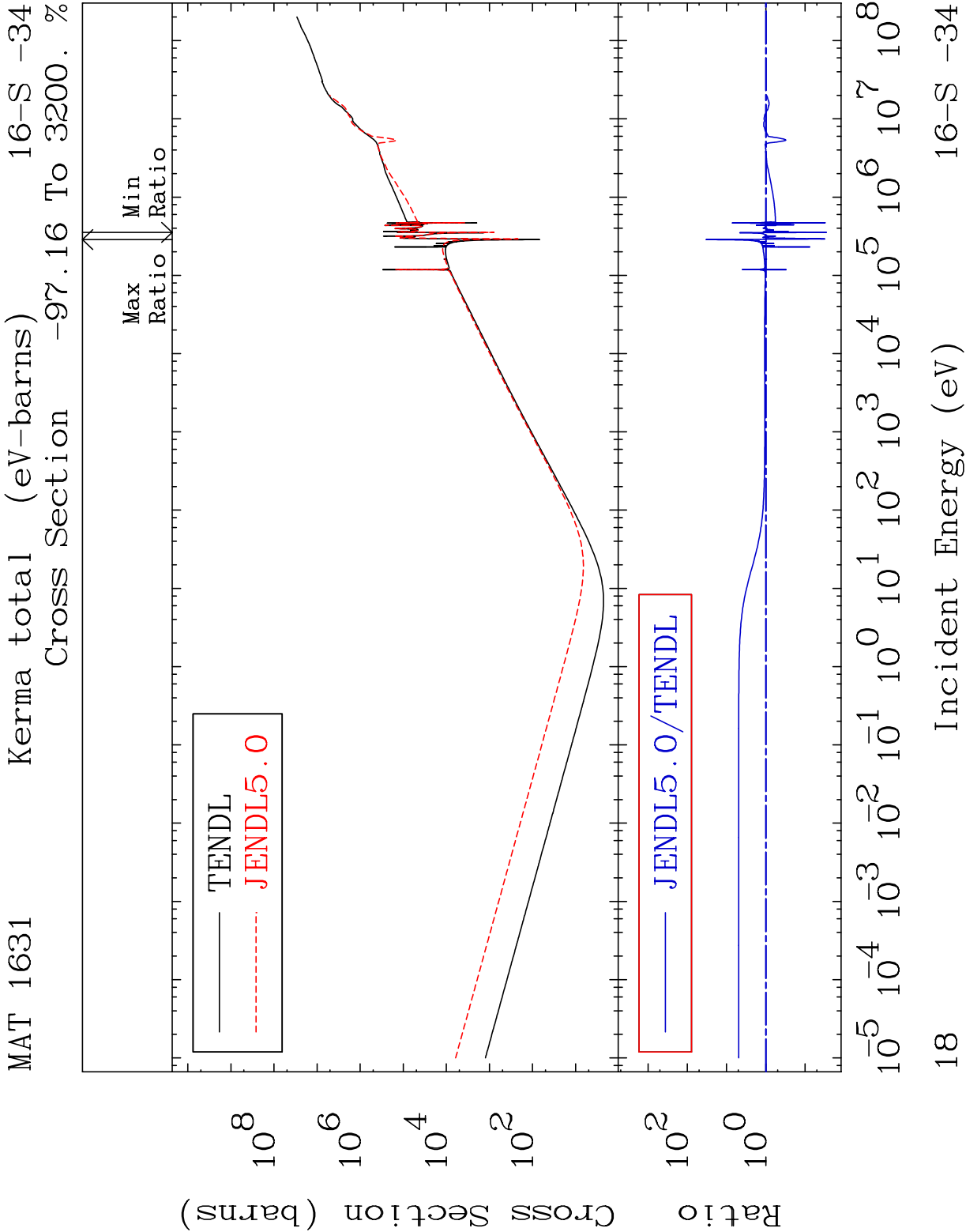








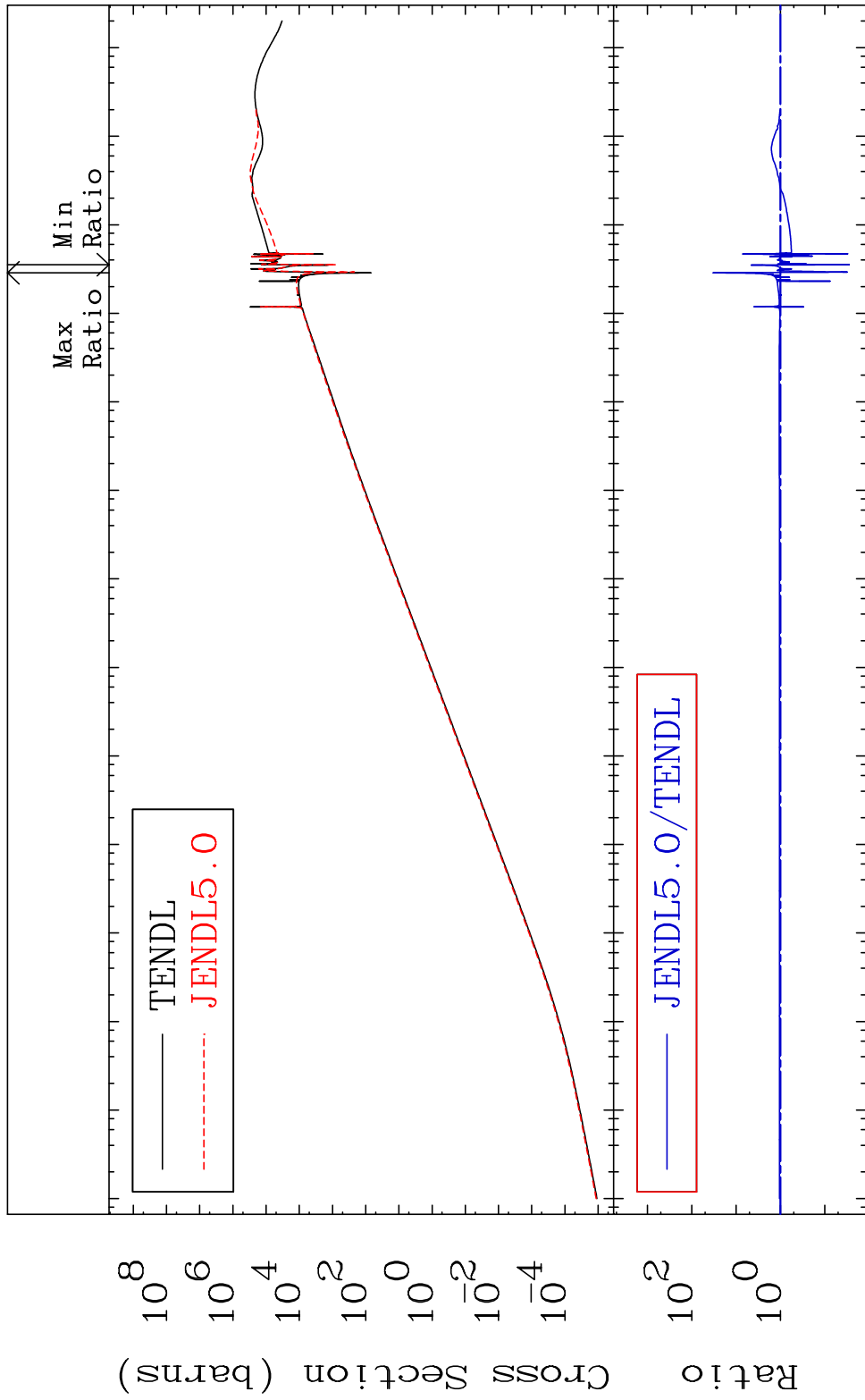




MAT 1631

Kerma elastic
Cross Section

16-S -34
-97.19 To 3200. %



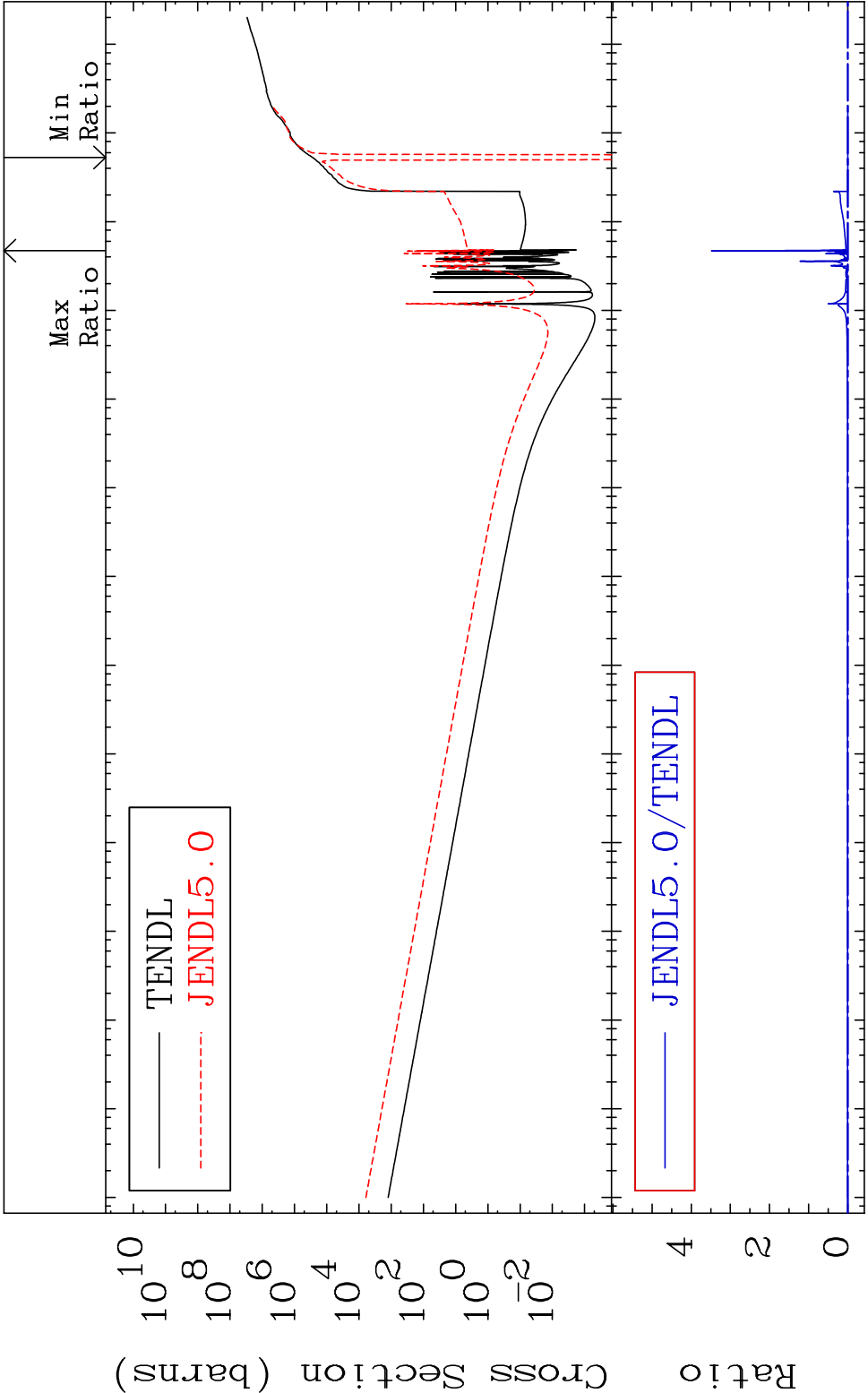
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

19

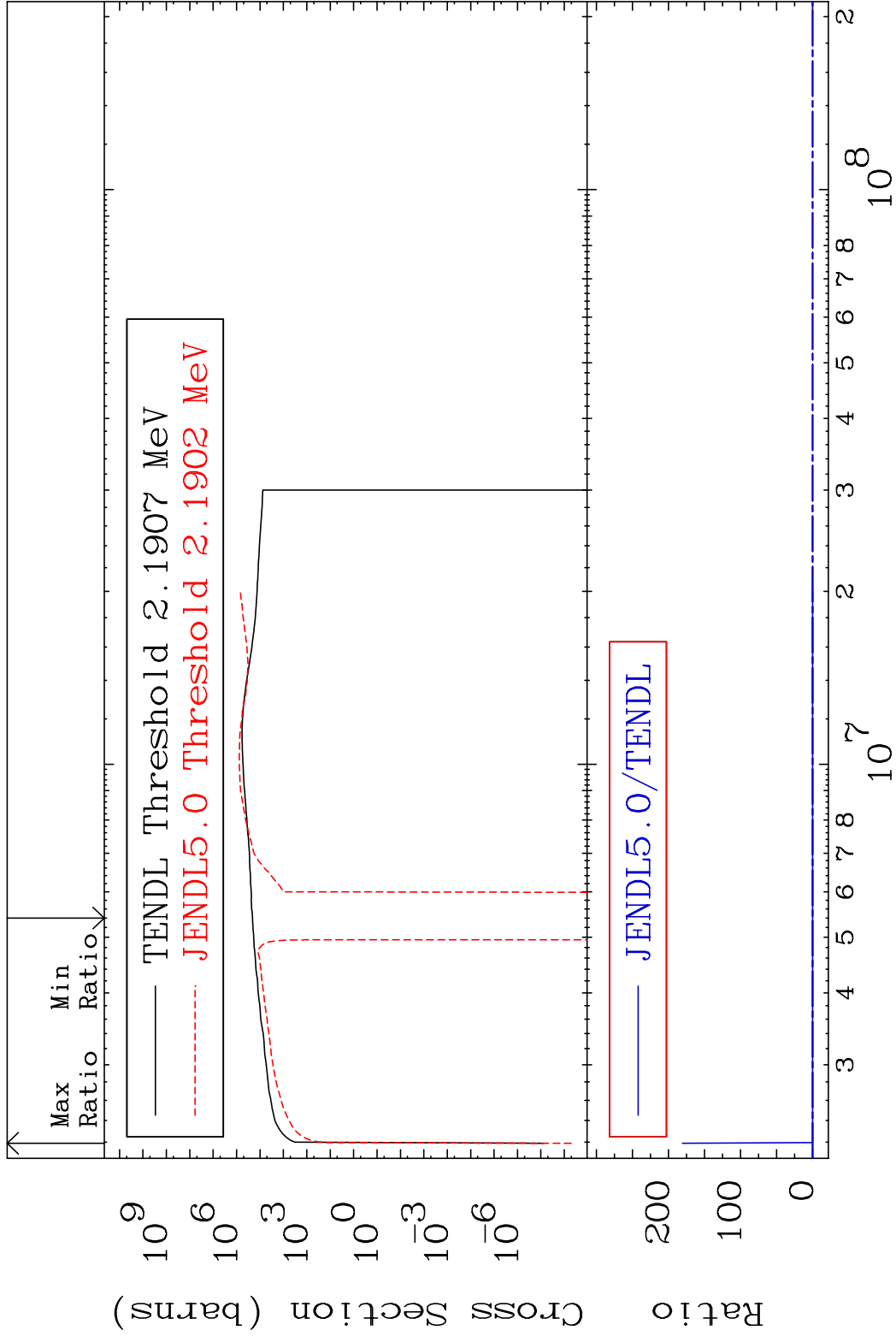
Incident Energy (eV)

16-S -34

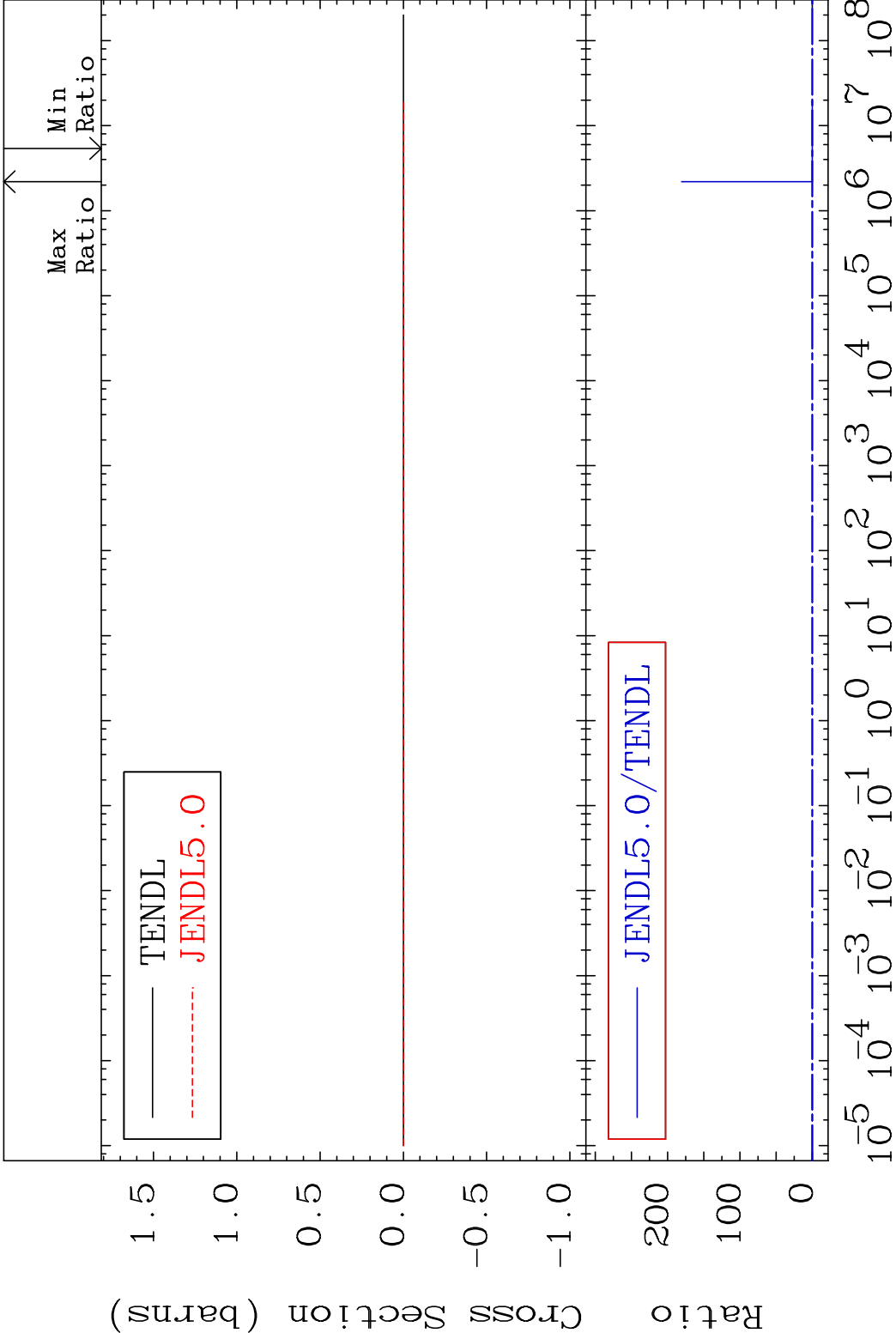
MAT 1631 Kerma non-elastic (all but mt2) 16-S -34
Cross Section -143.3 To 9999. %



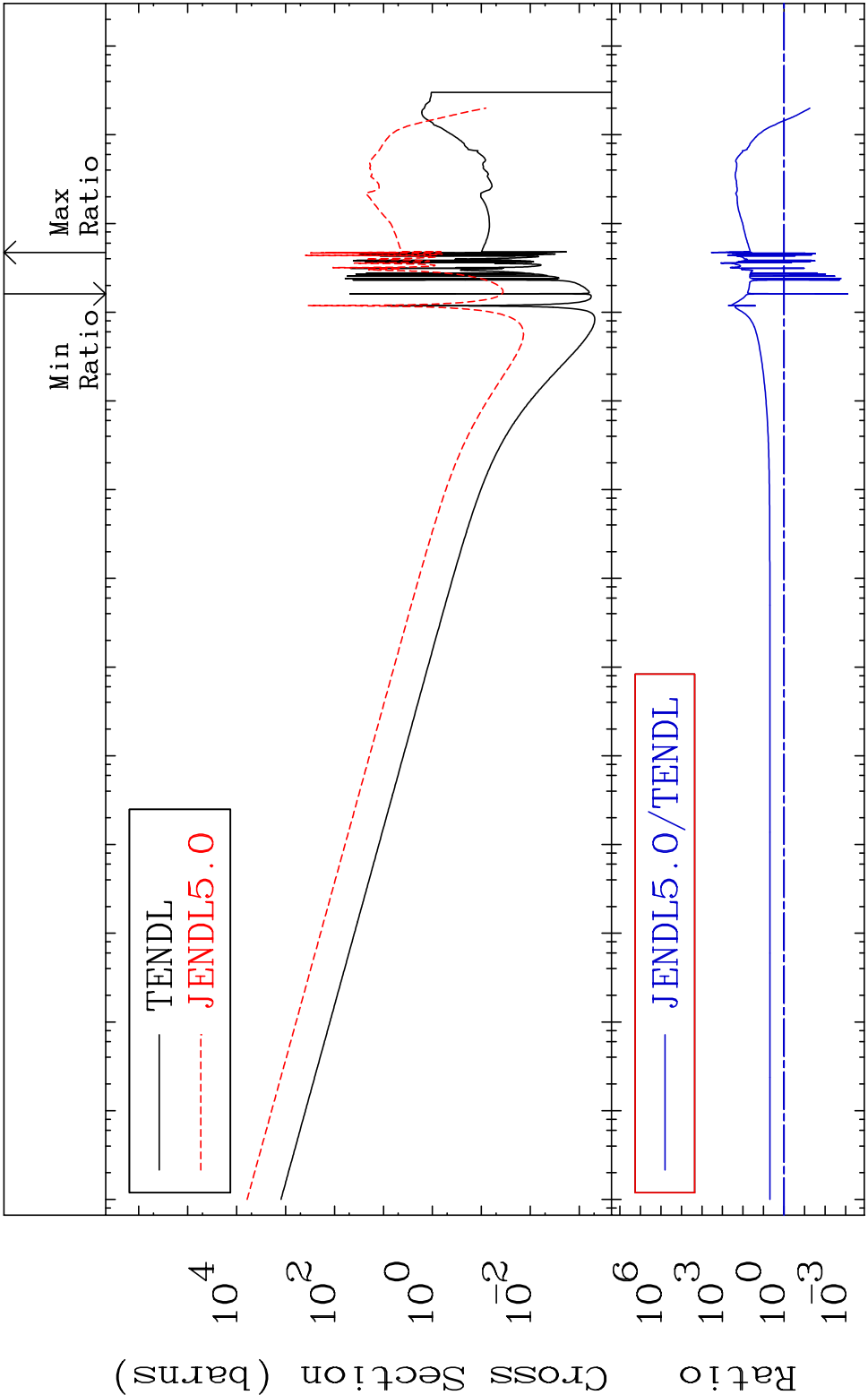
20 Incident Energy (eV) 16-S -34



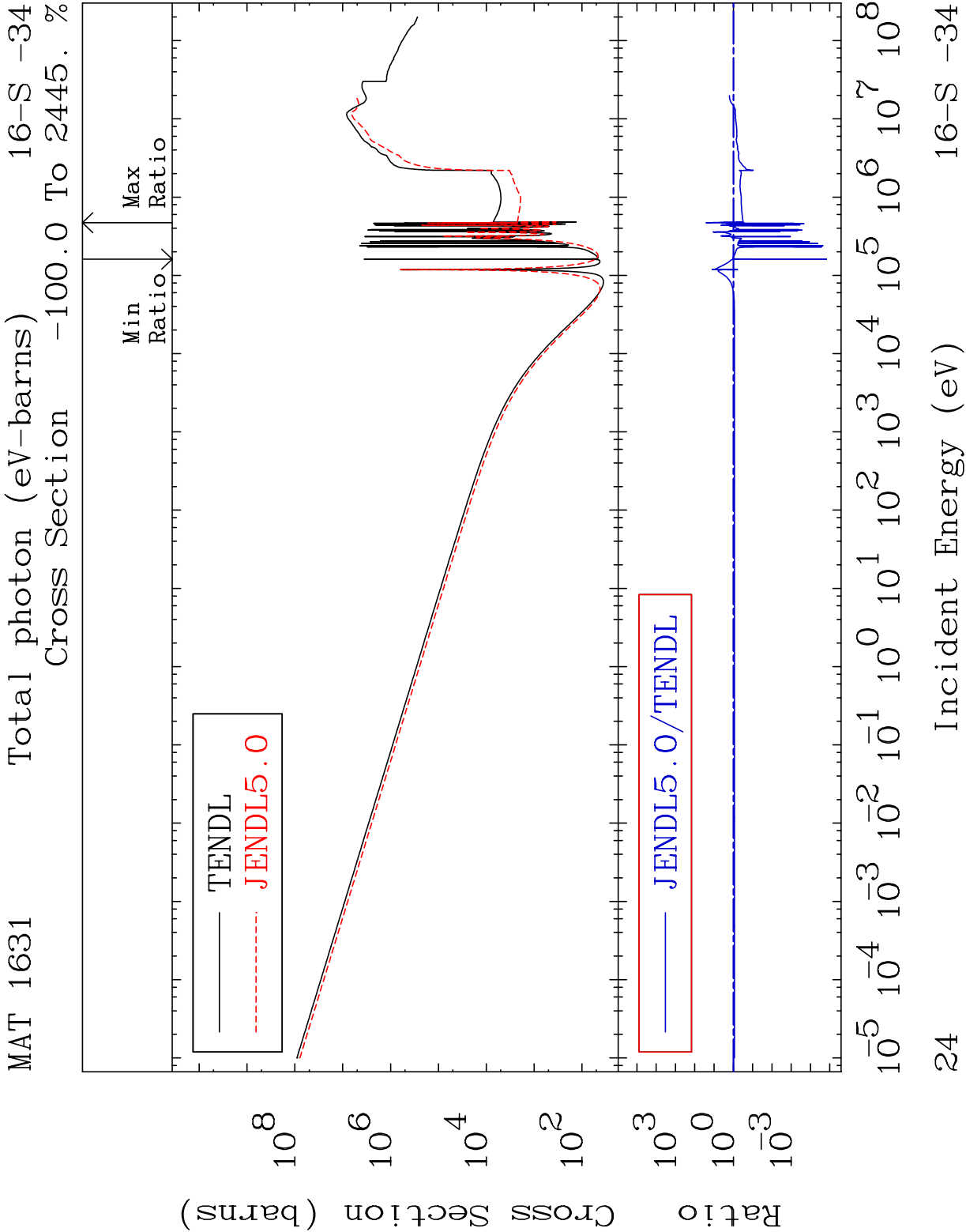
MAT 1631 Kerma fission (mt18 or mt19-20-21-38) 16-S -34
Cross Section -216.6 To 9999. %



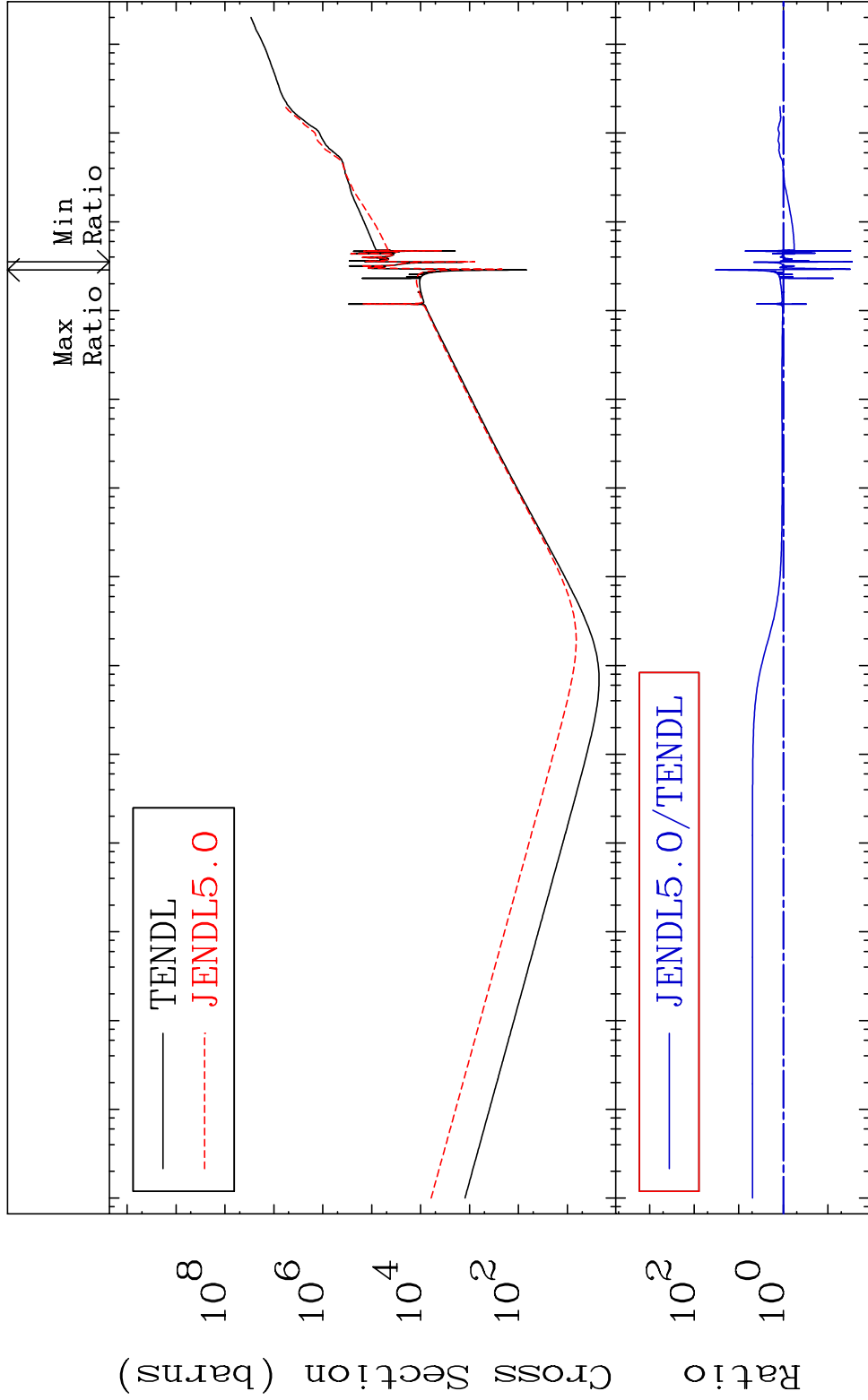
MAT 1631 Kerma capture (mt102) 16-S -34
 Cross Section -99.92 To 9999. %



23 Incident Energy (eV) 16-S -34

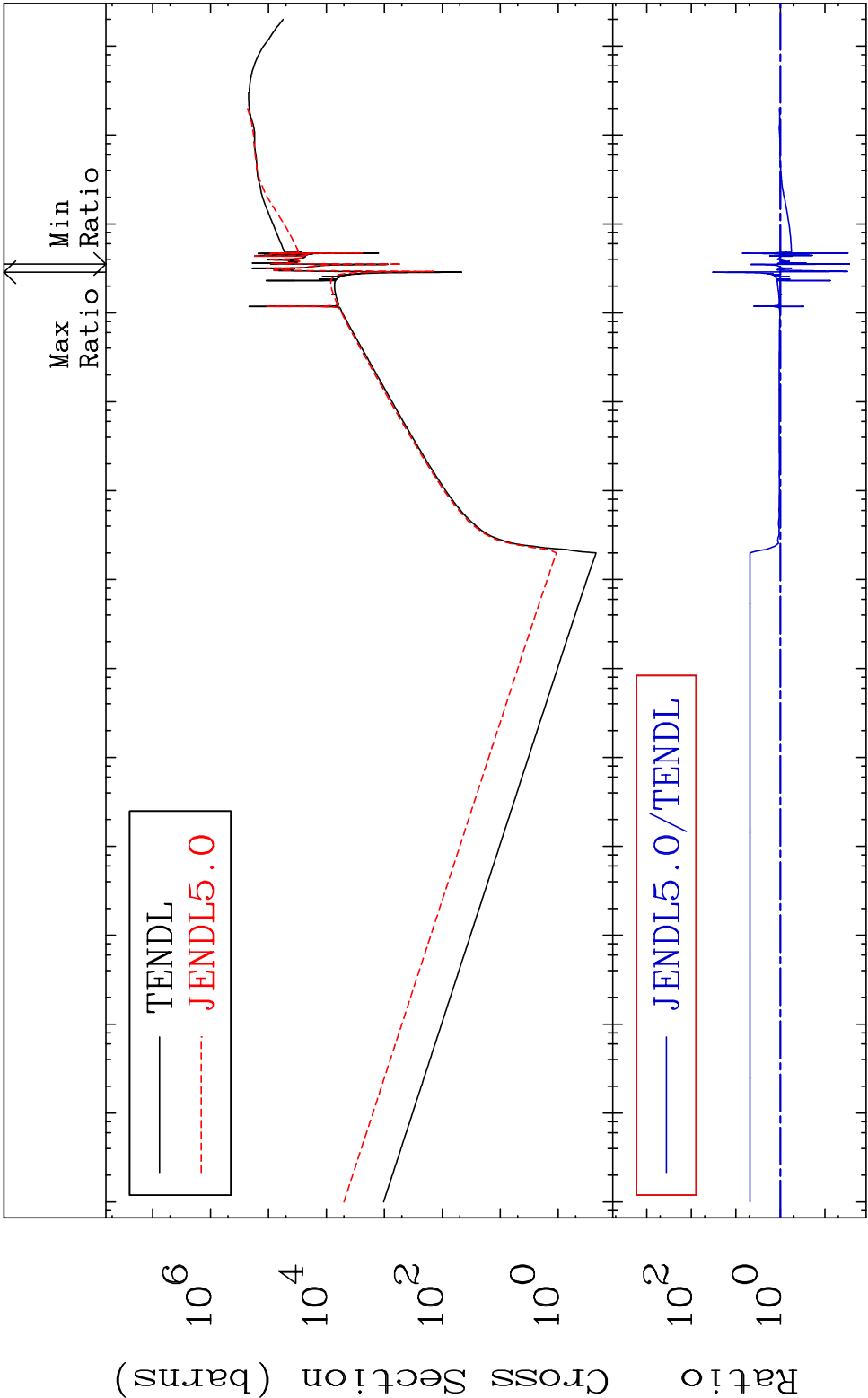


MAT 1631 Total kinematic kerma (high limit) 16-S -34
Cross Section -97.16 To 3200. %



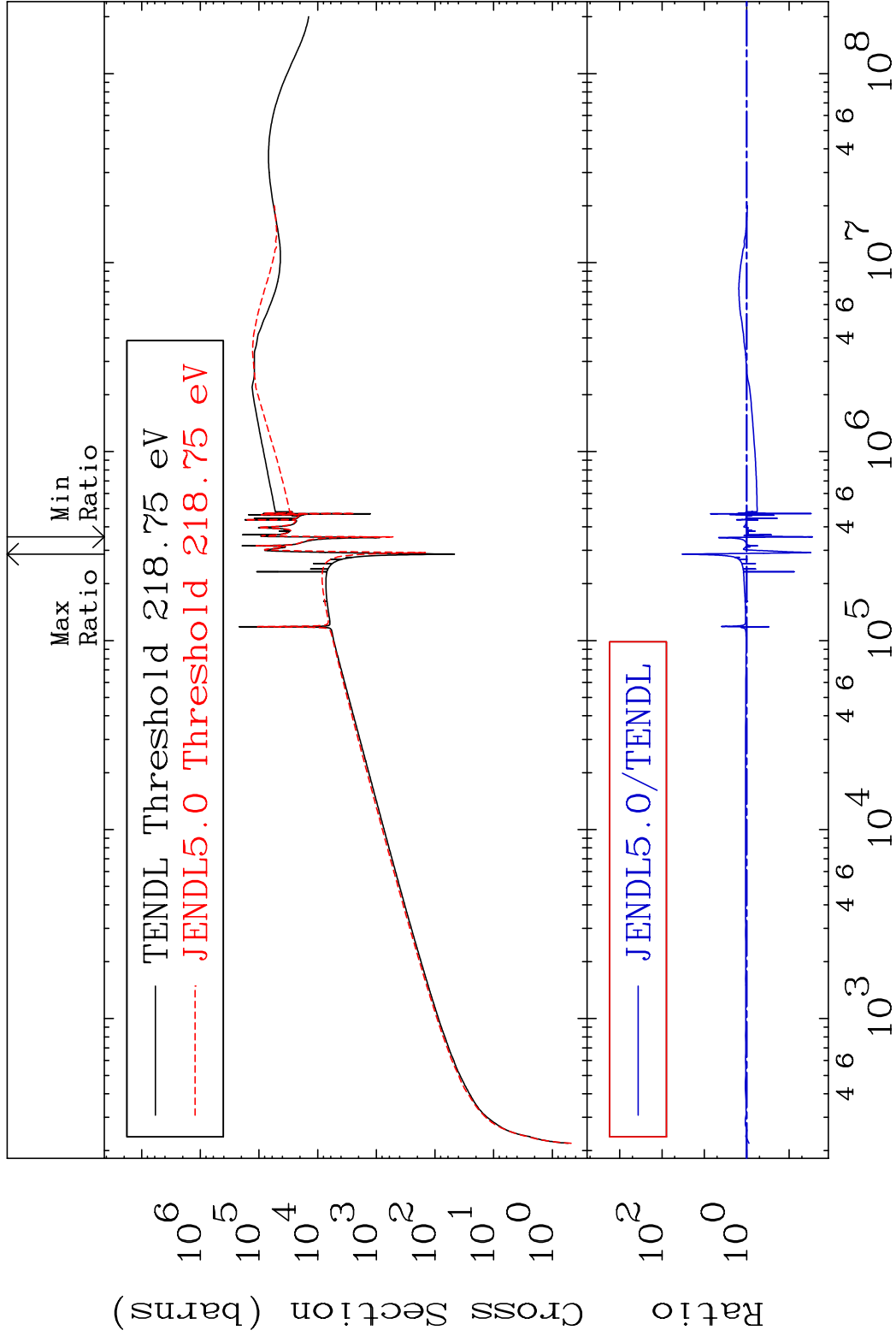
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
25 Incident Energy (eV) 16-S -34

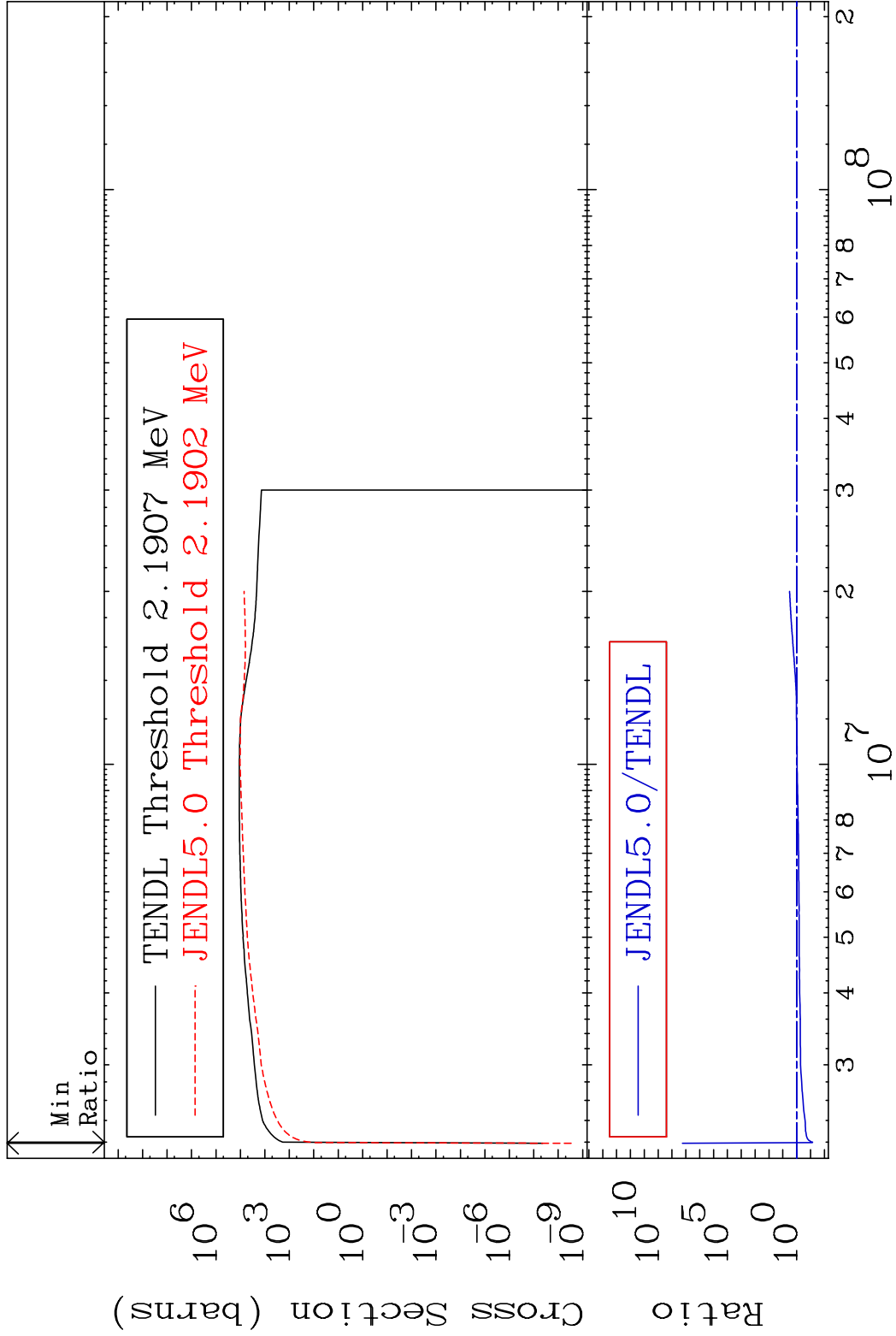
MAT 1631 Dpa total (eV-barns) 16-S -34
Cross Section -97.18 To 3206. %



26 Incident Energy (eV) 16-S -34

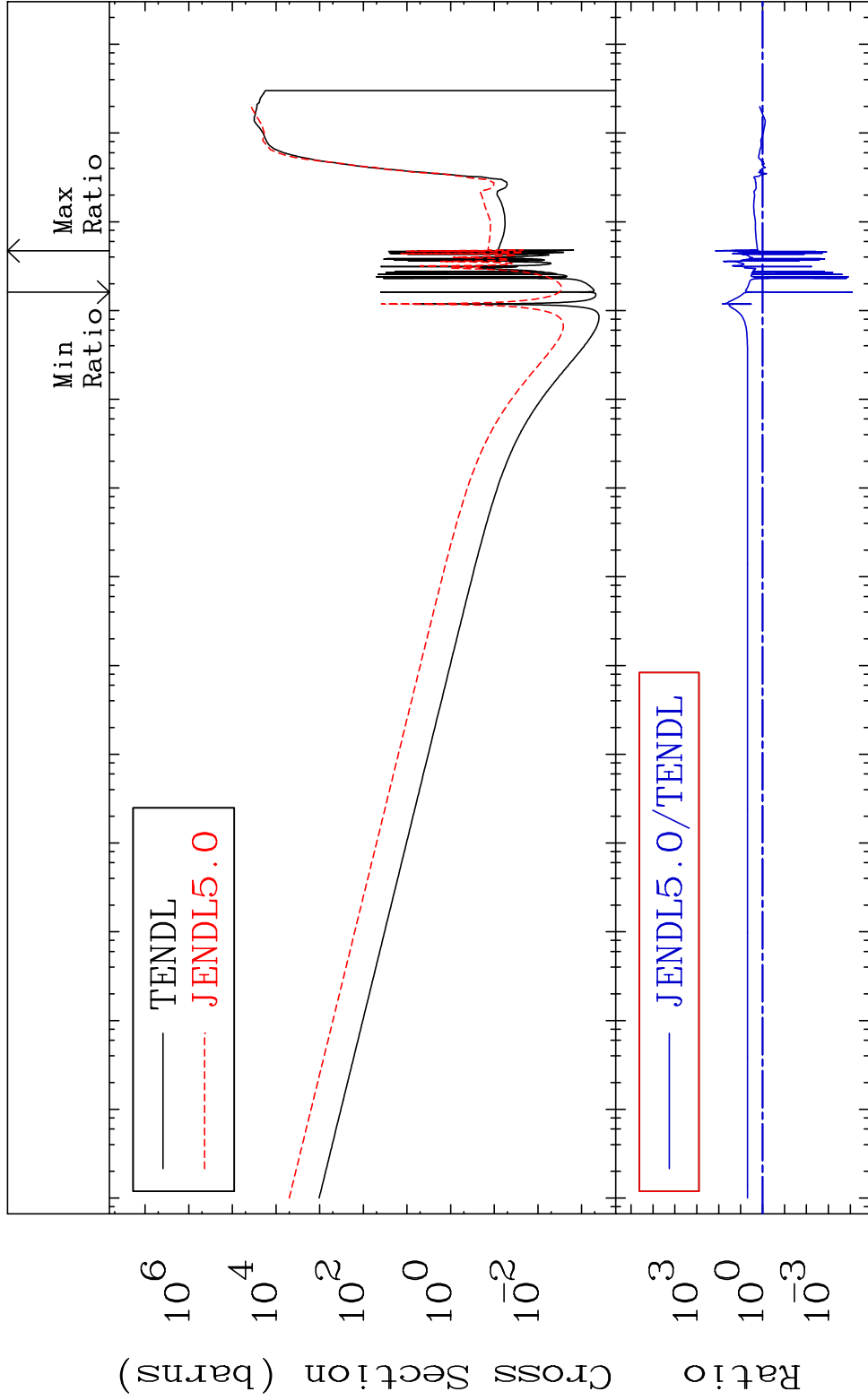
MAT 1631 Dpa elastic (mt2) 16-S -34
 Cross Section -97.19 To 3208. %





MAT 1631 Dpa disappearance (mt102 -120) 16-S -34

Cross Section -99.99 To 9999. %



Ratio

10³

10⁰

10⁻³

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

29 Incident Energy (eV) 16-S -34