

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

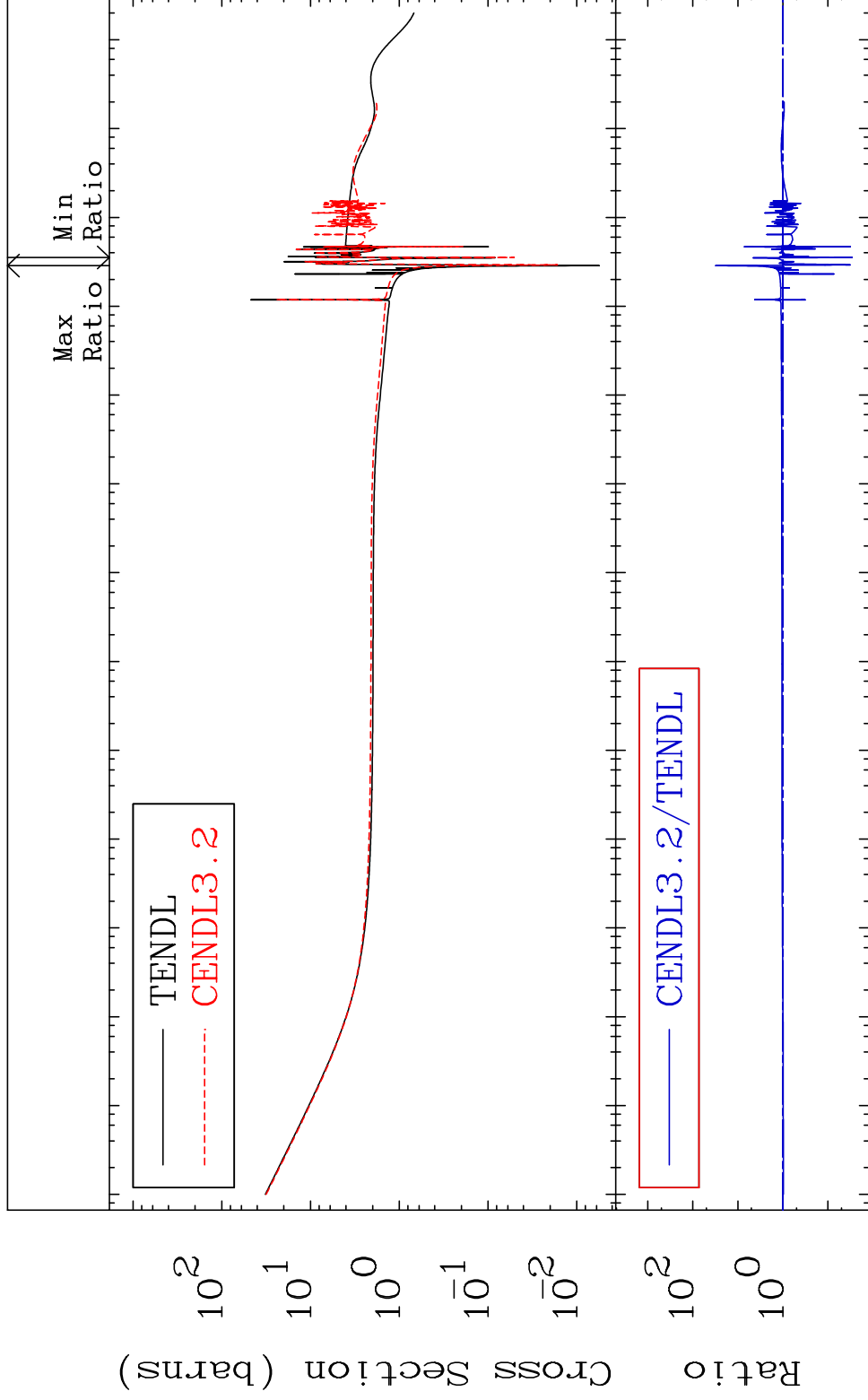
Press Mouse Button to Start

MAT 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

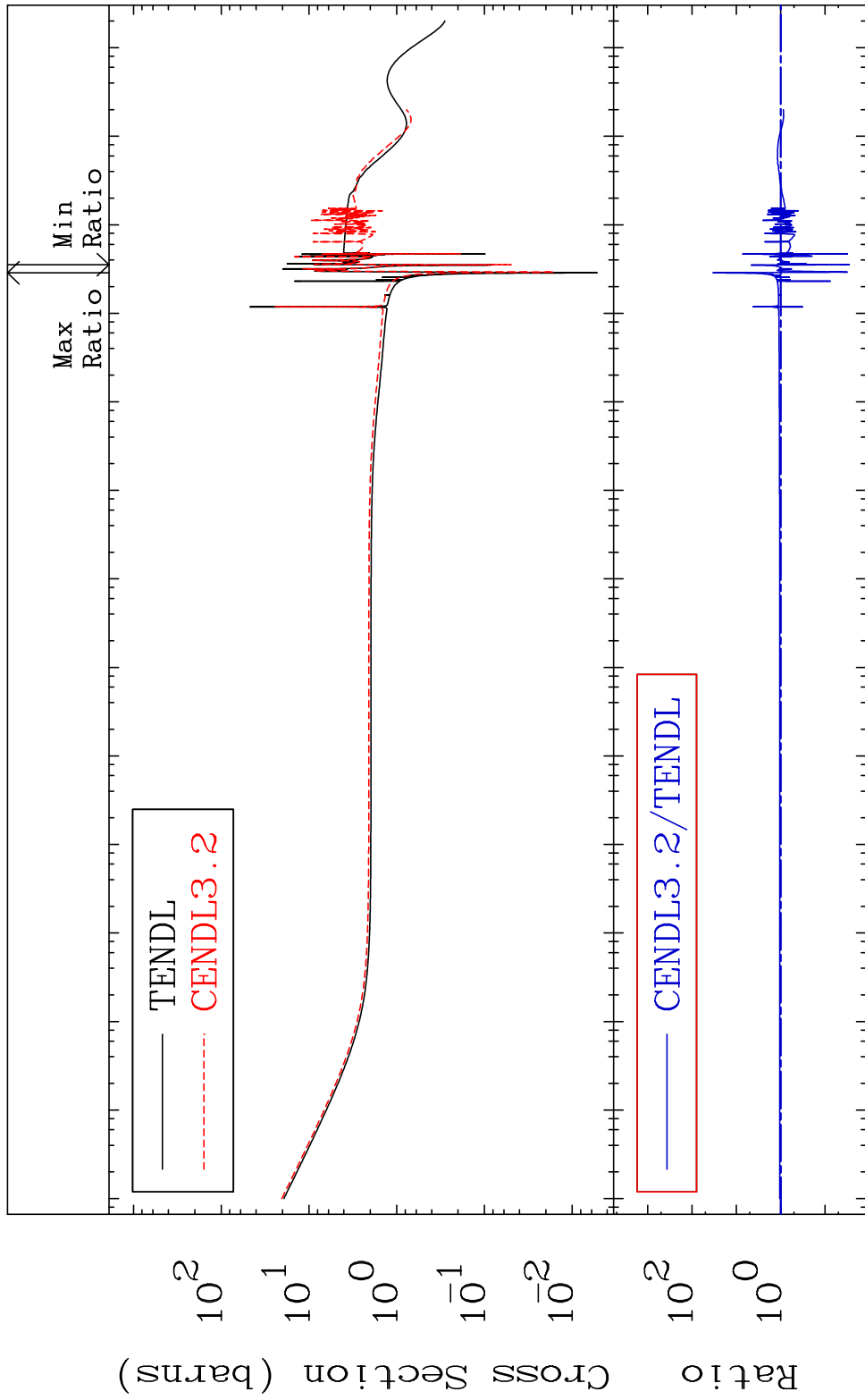
1 Incident Energy (eV) 16-S -34

MAT 1631

Elastic

16-S -34

Cross Section -97.16 To 3235. %

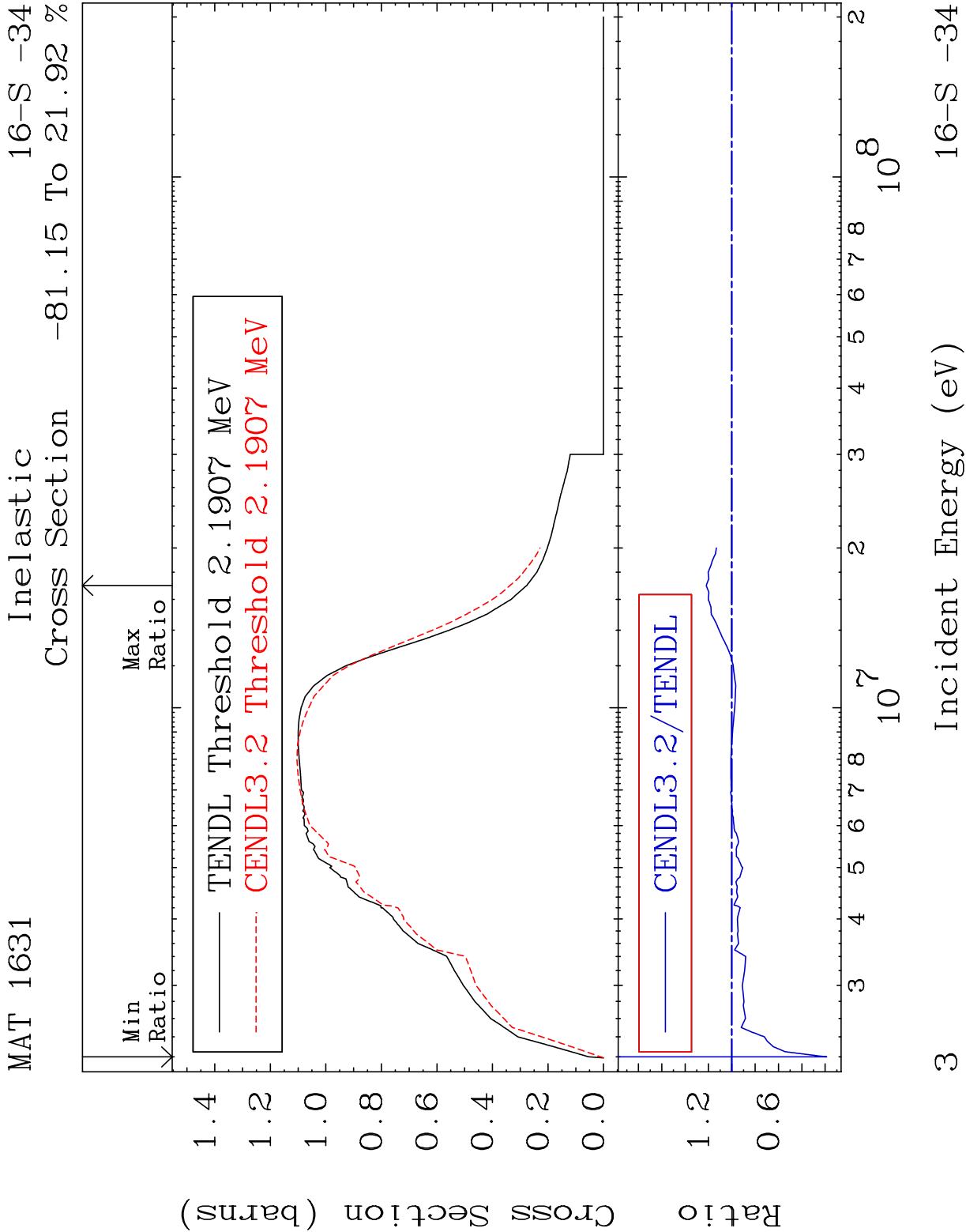


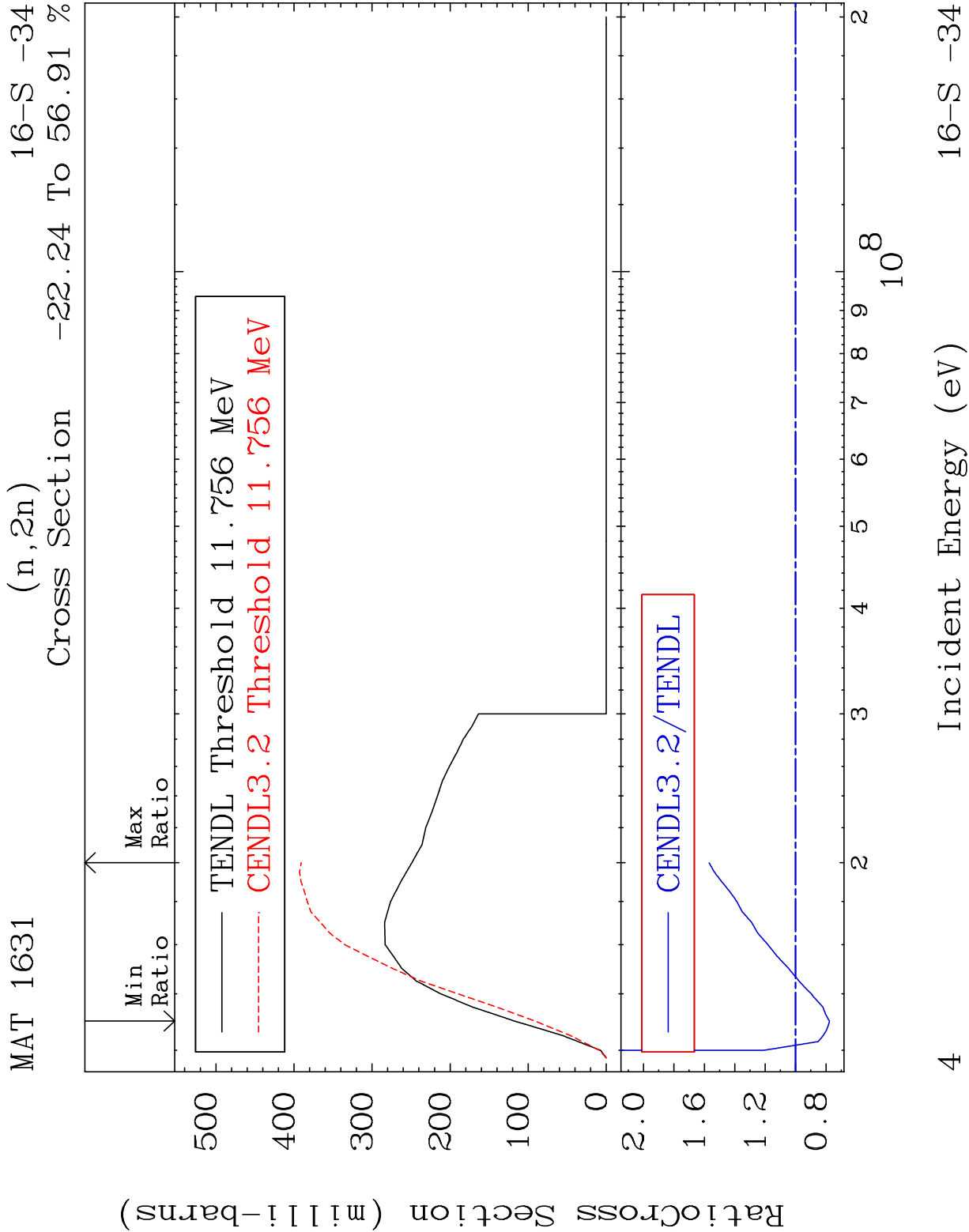
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

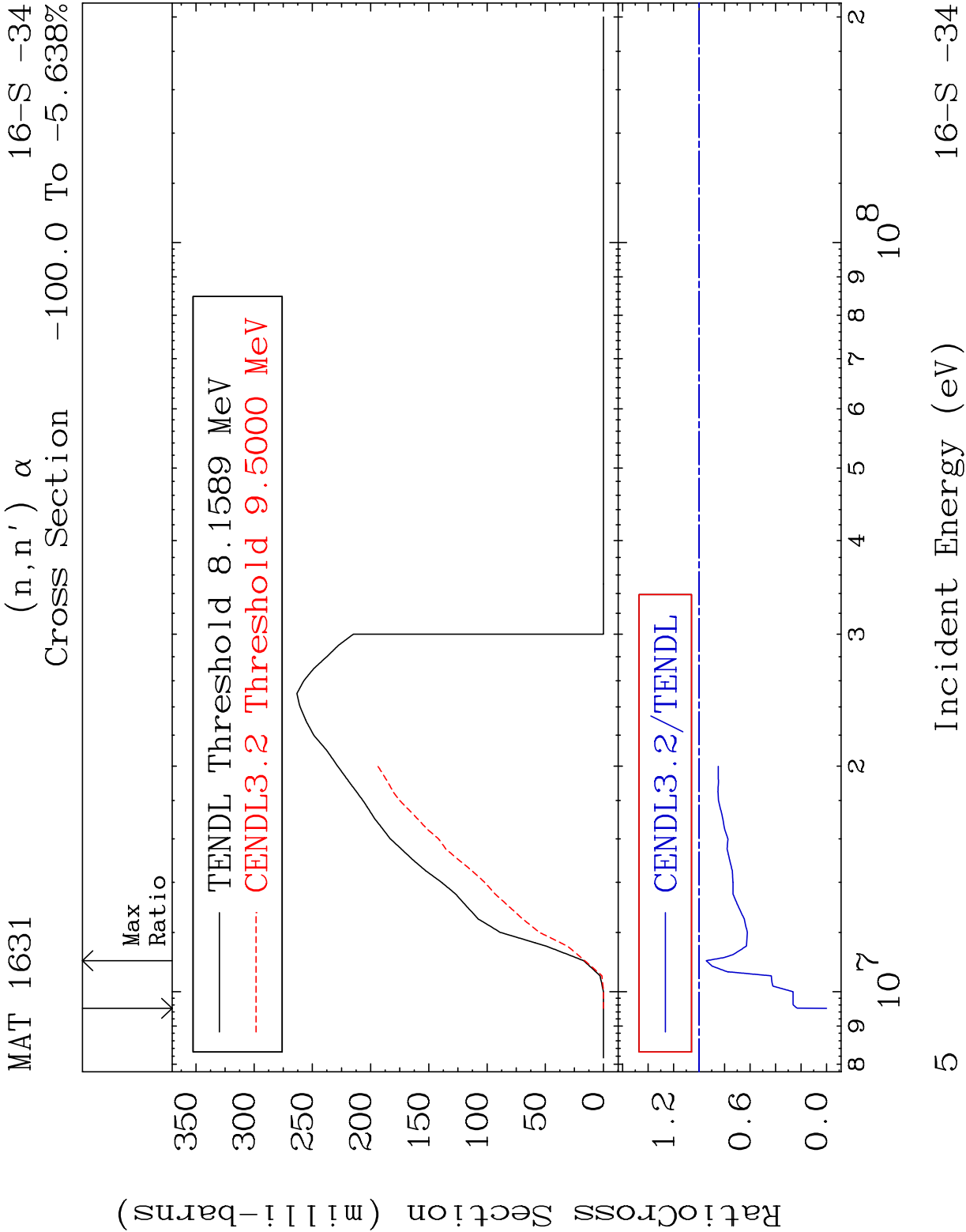
2

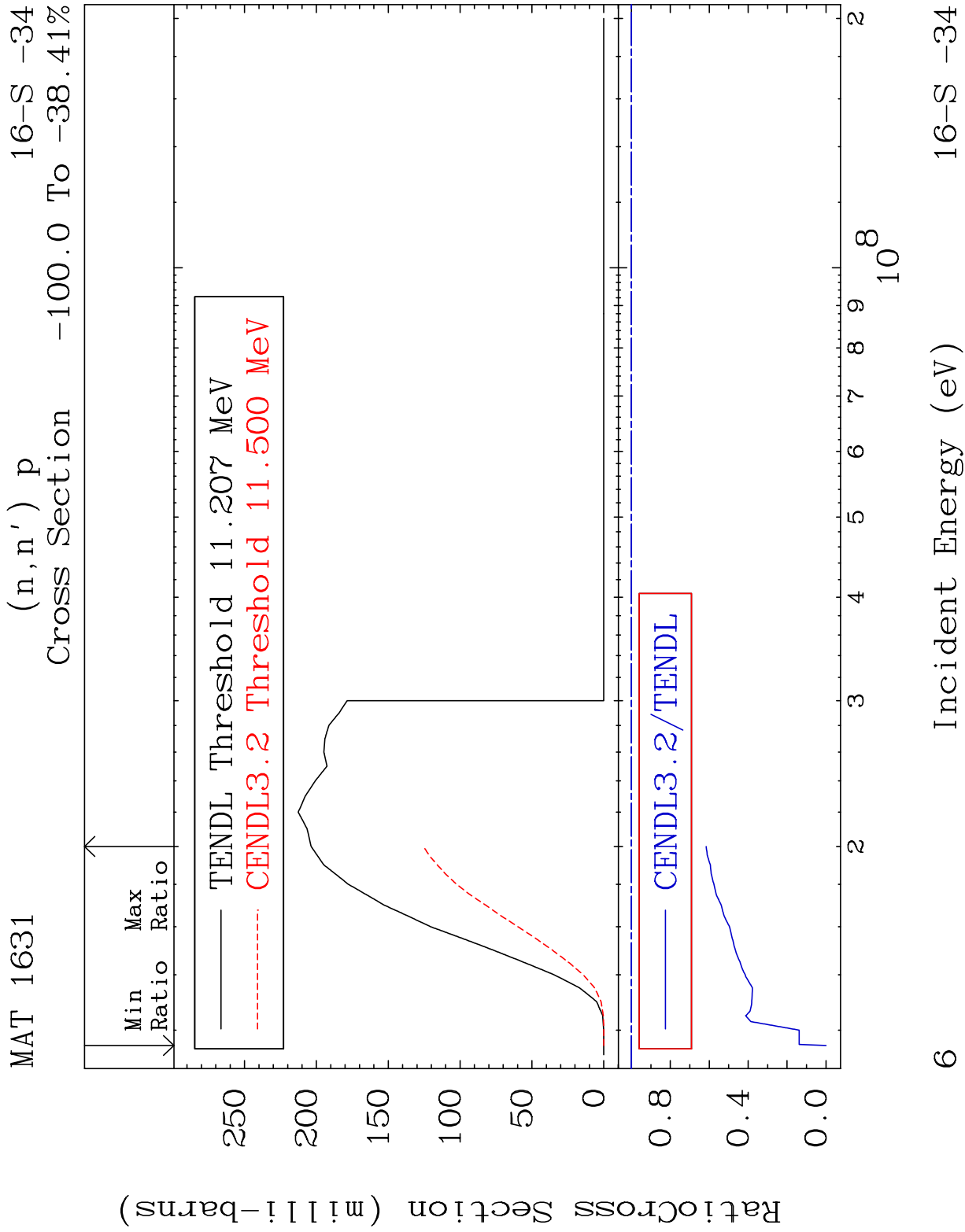
Incident Energy (eV)

16-S -34







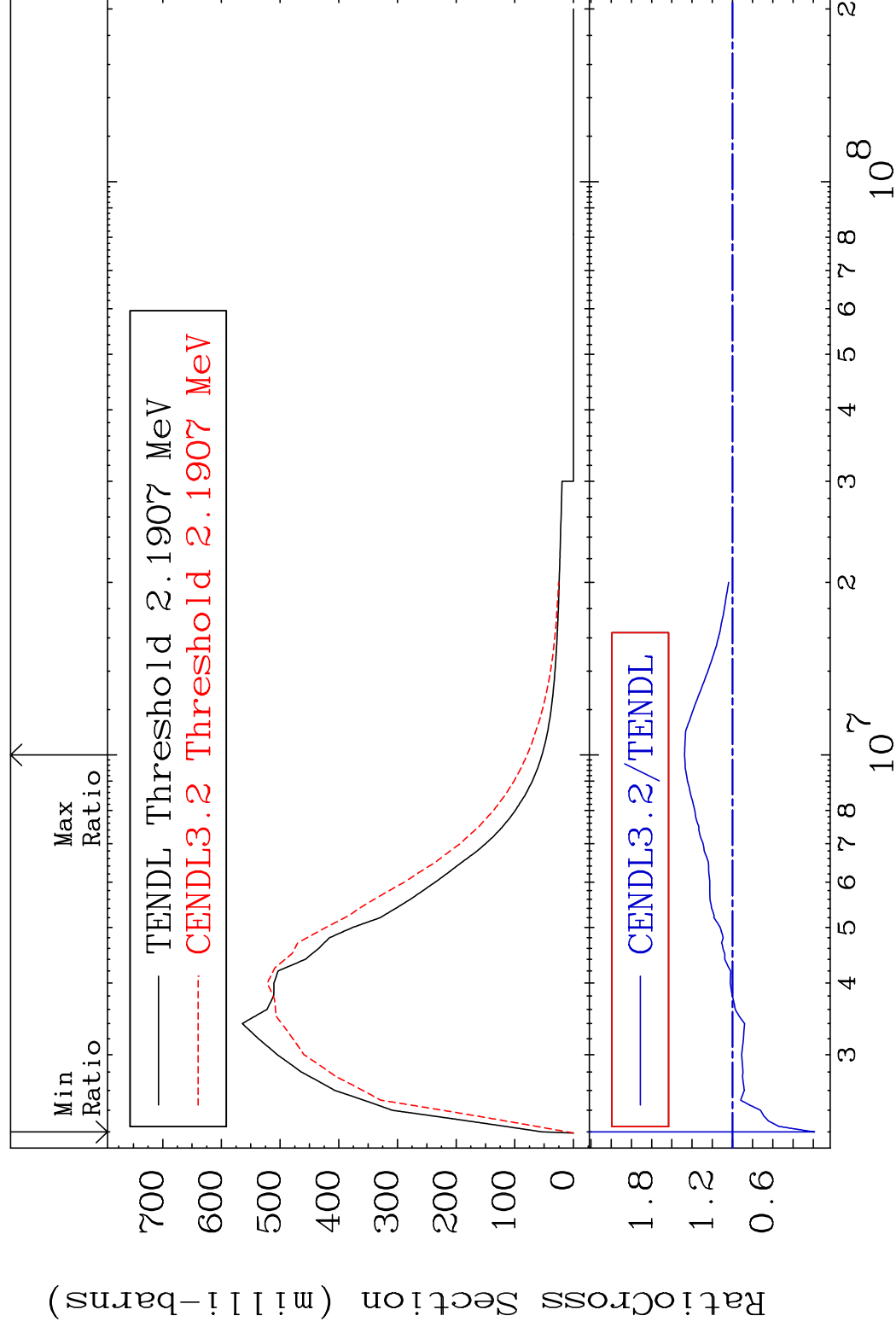


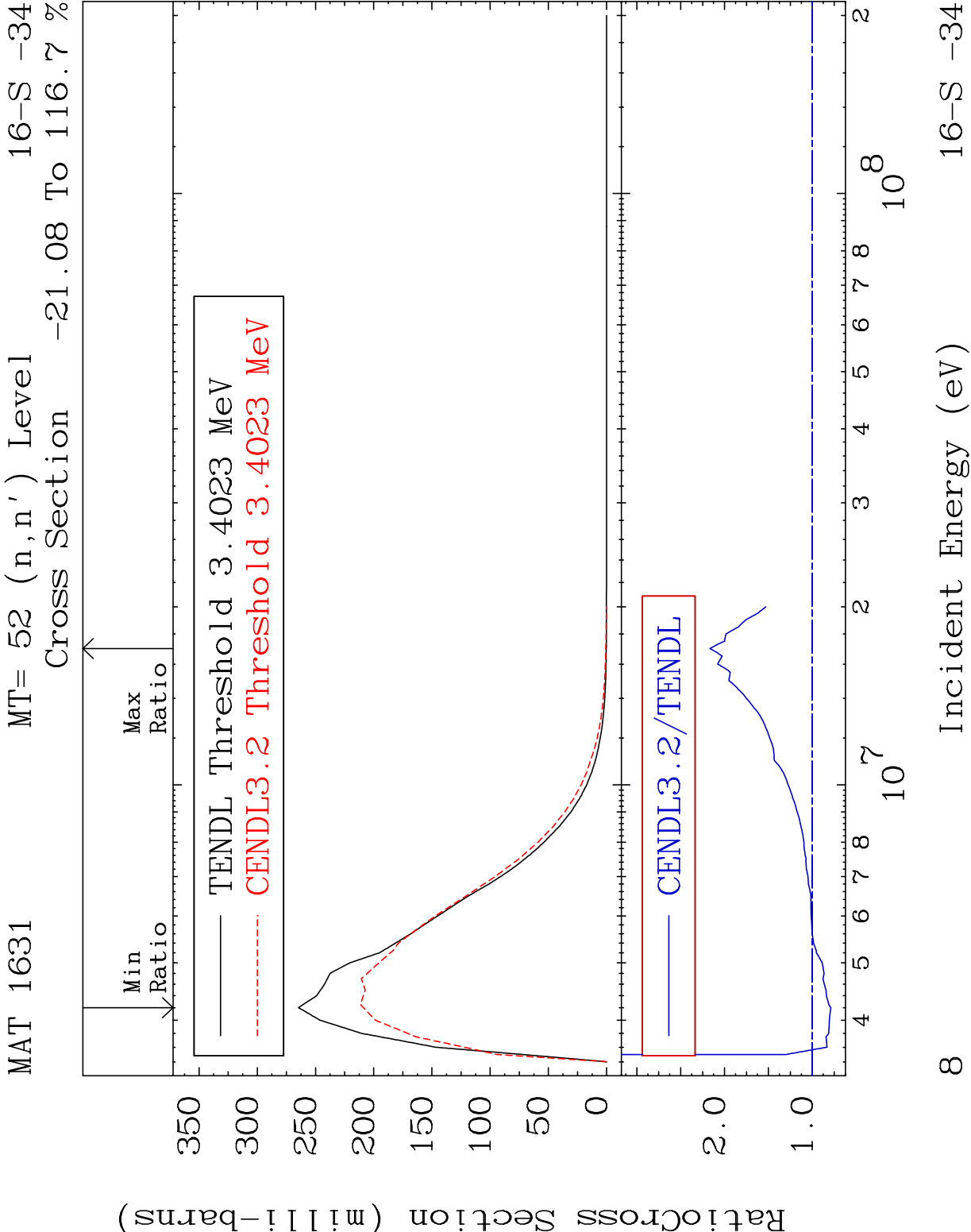
MAT 1631

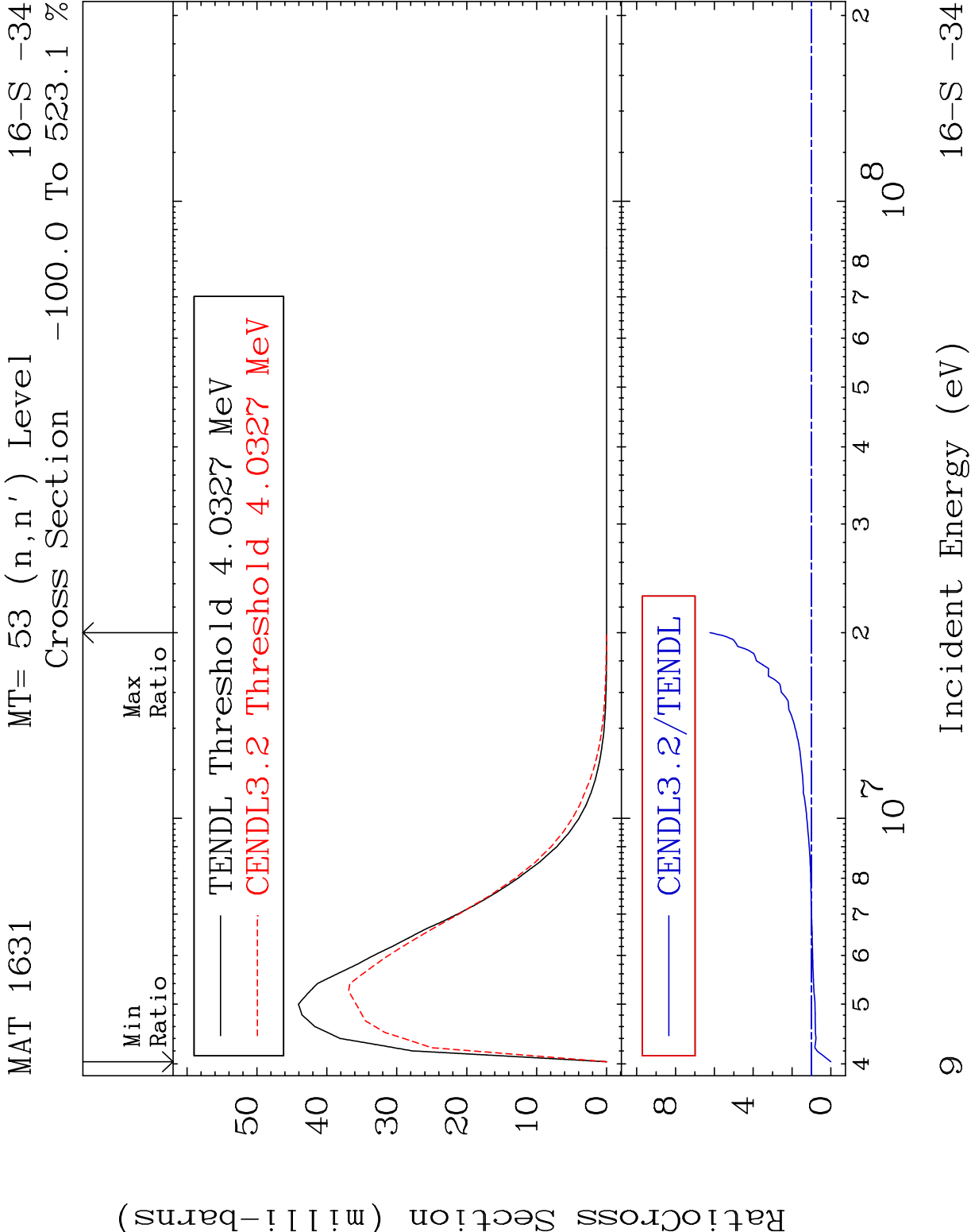
MT= 51 (n, n') Level

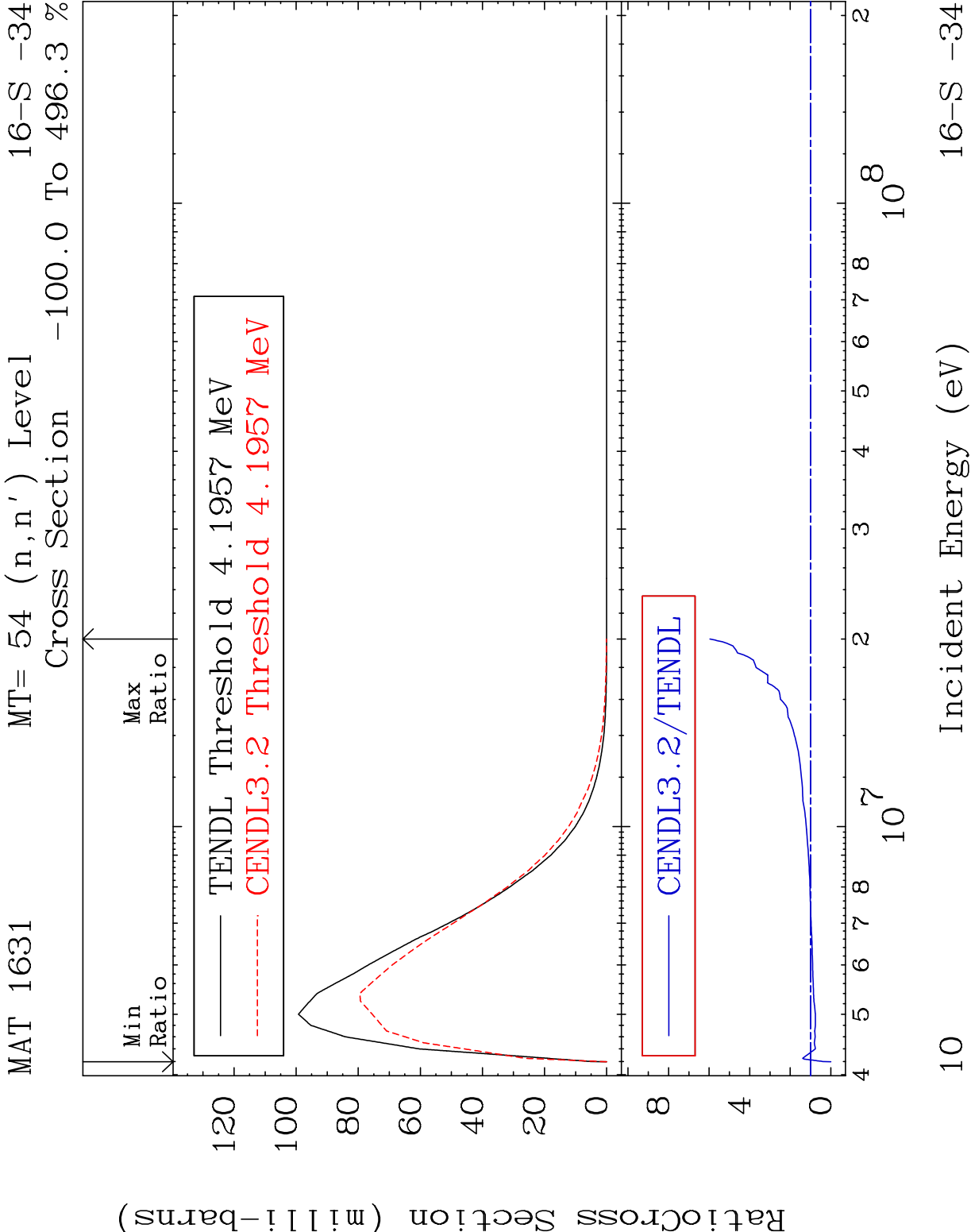
16-S-34

Cross Section -81.15 To 47.51 %

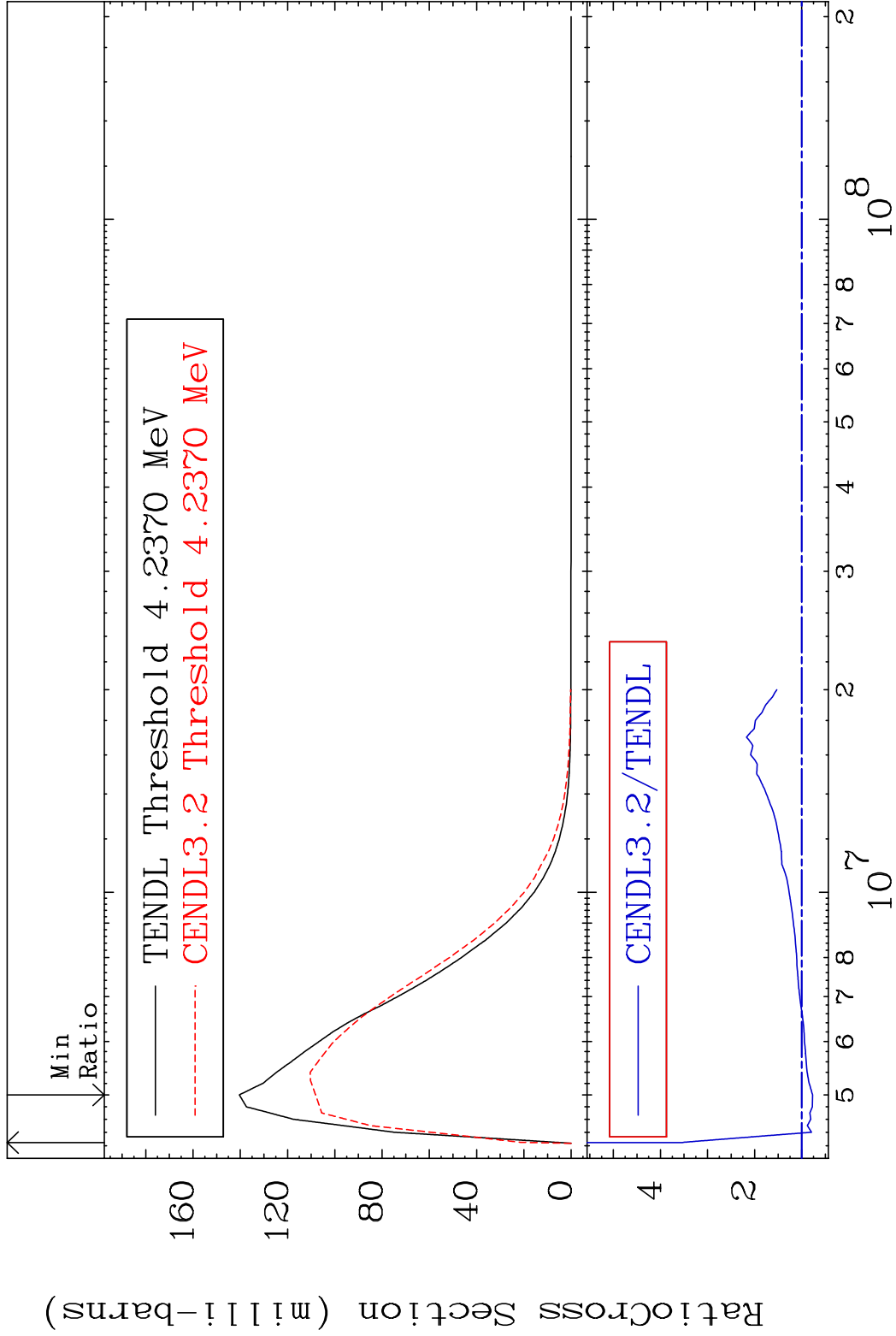


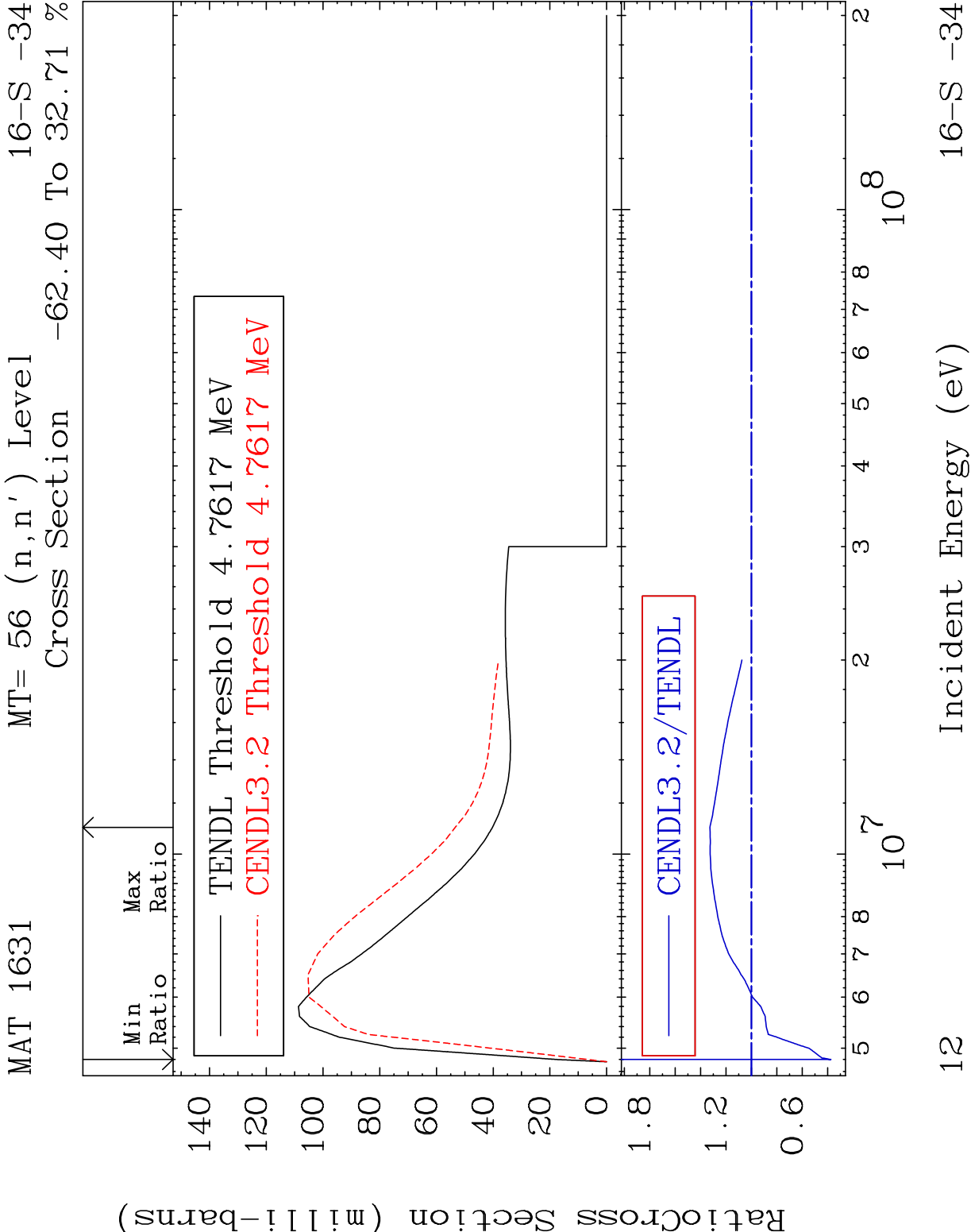




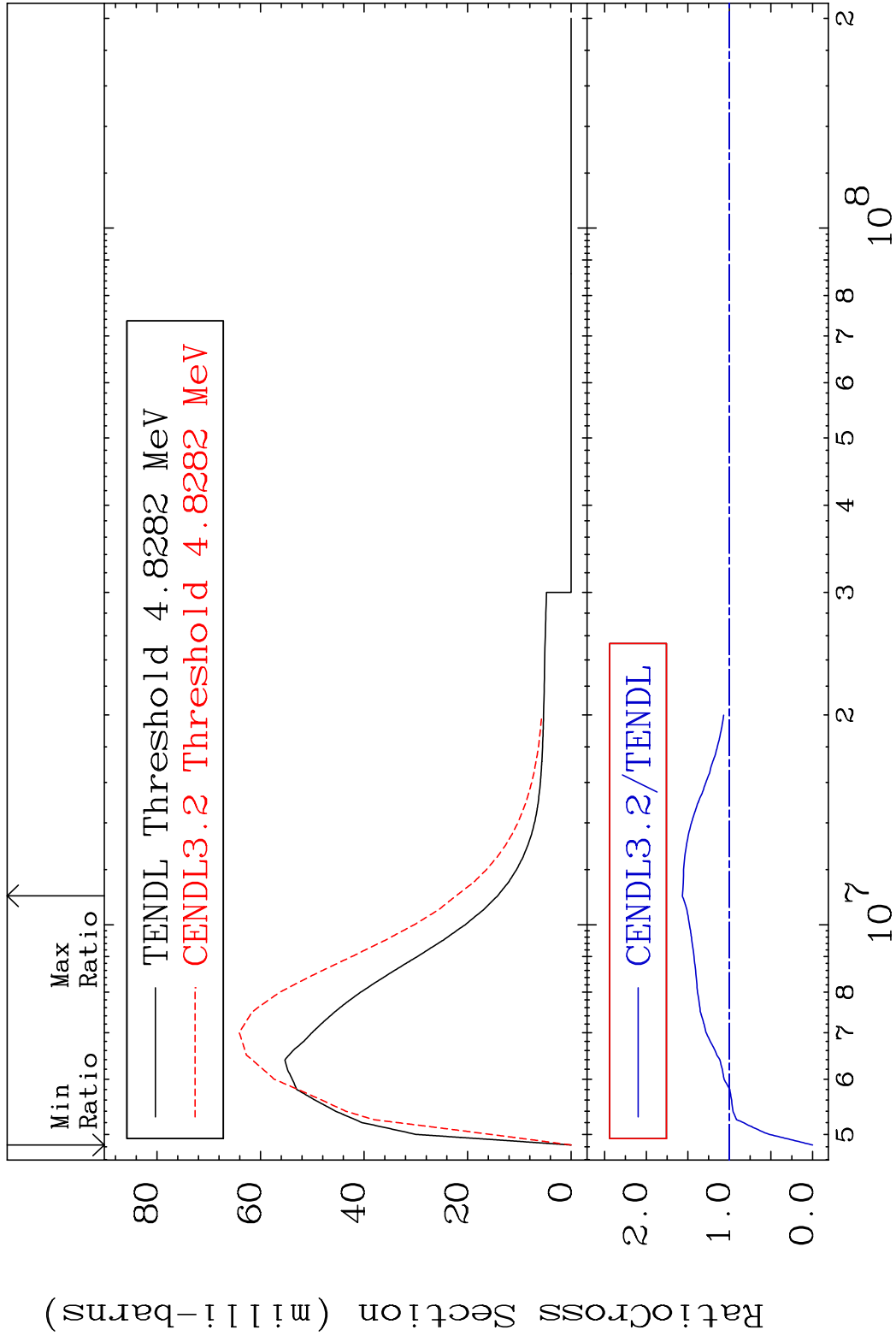


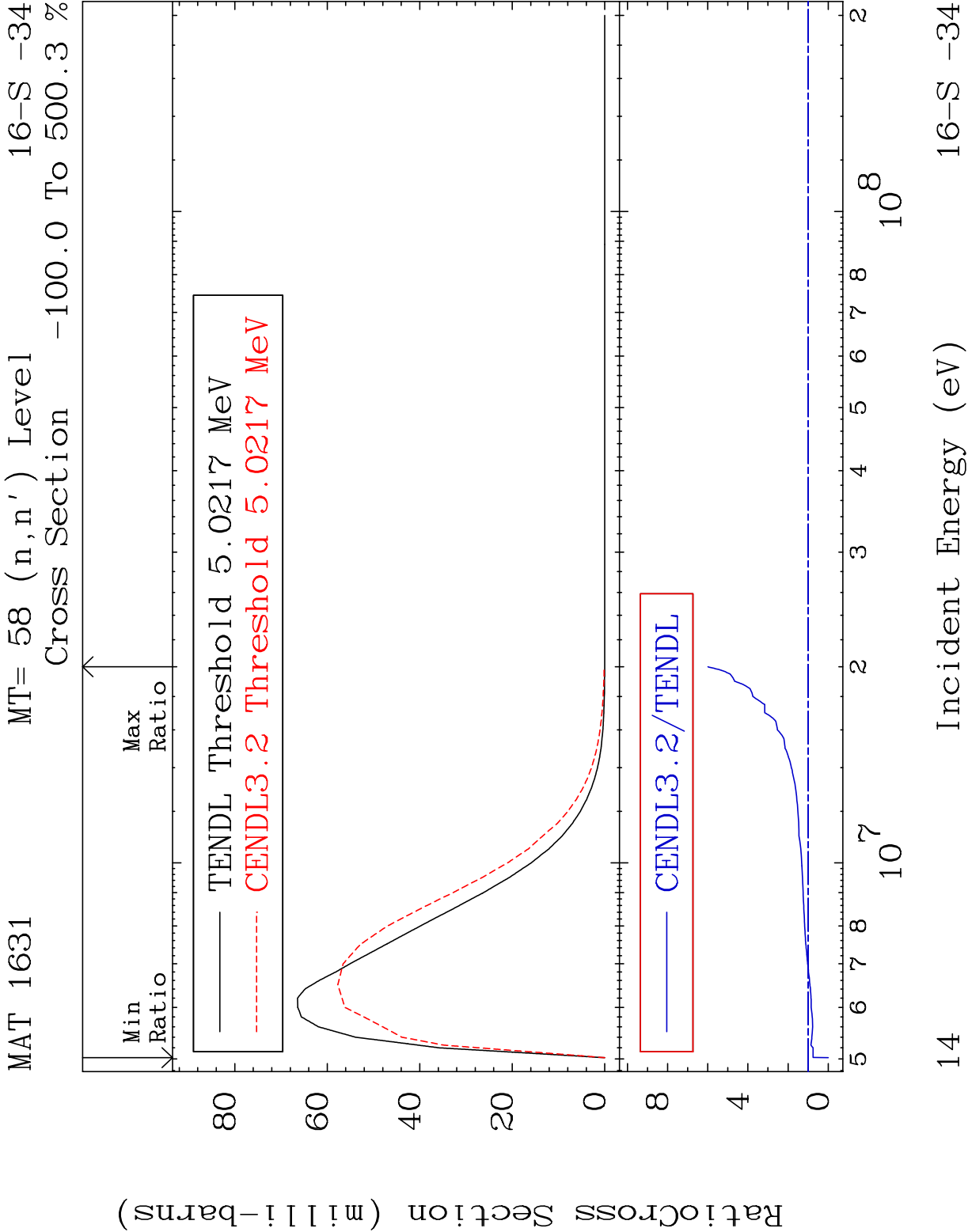
MAT 1631 MT= 55 (n,n') Level 16-S -34
Cross Section -22.98 To 253.5 %

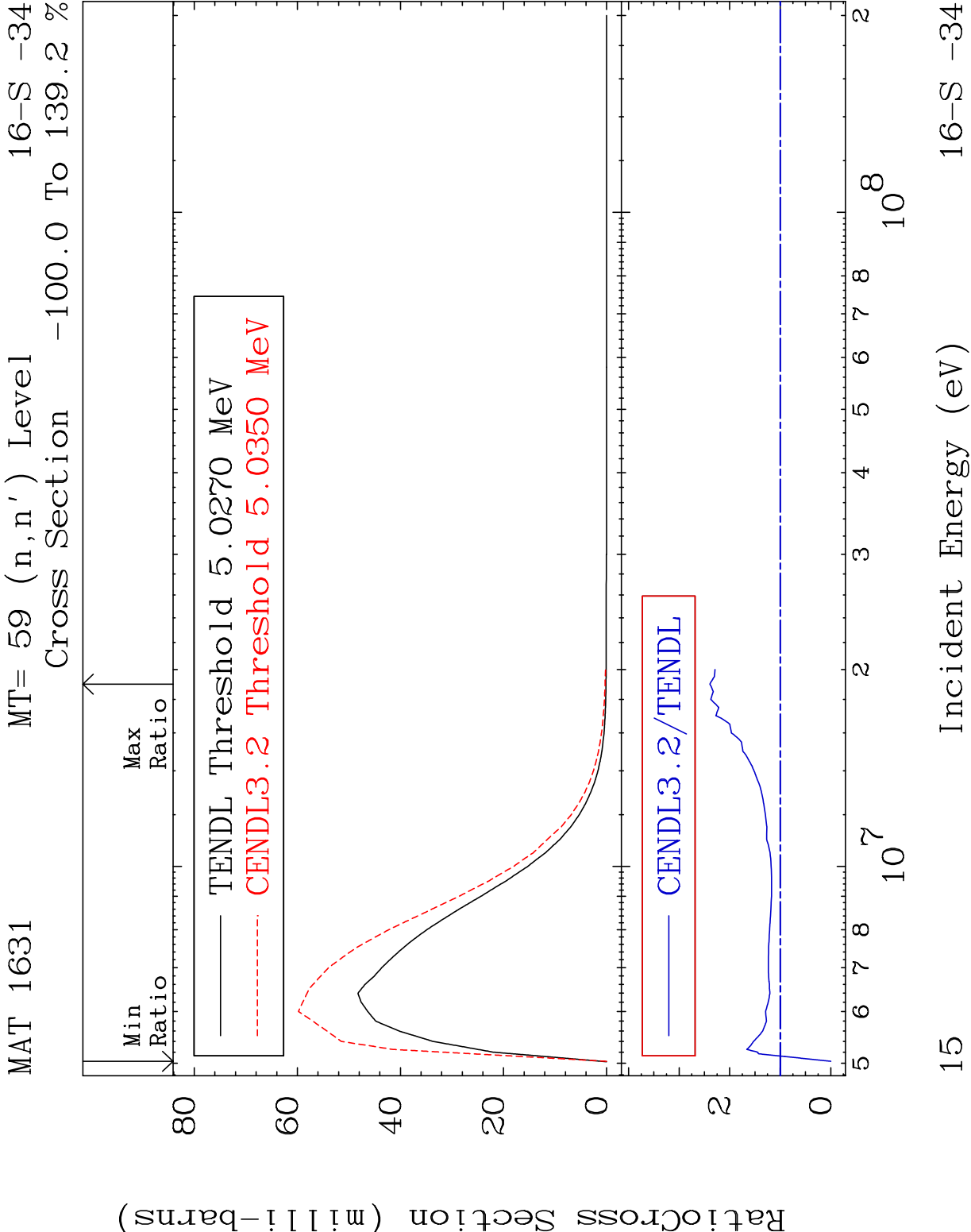




MAT 1631 MT= 57 (n,n') Level 16-S -34
Cross Section -100.0 To 56.58 %





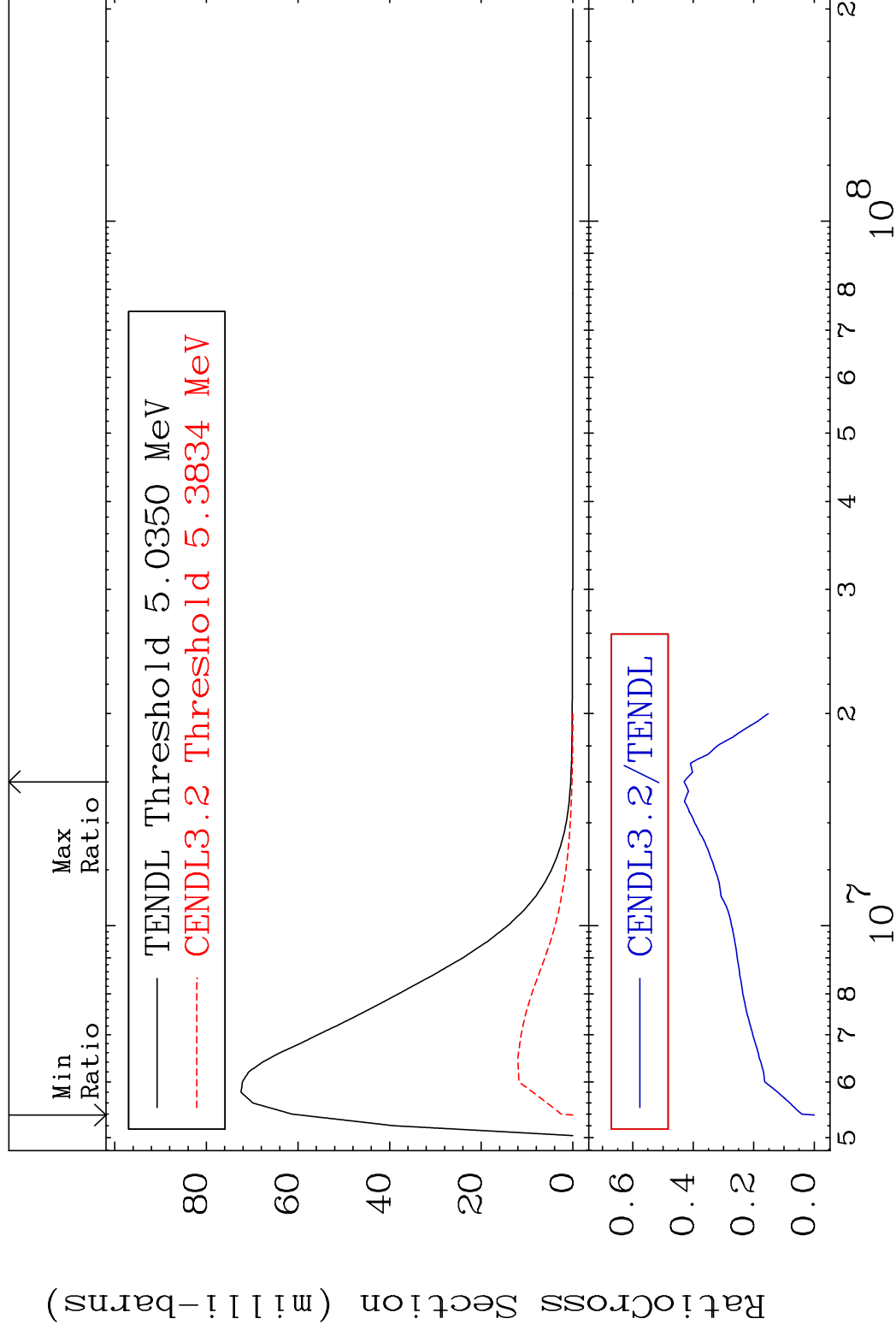


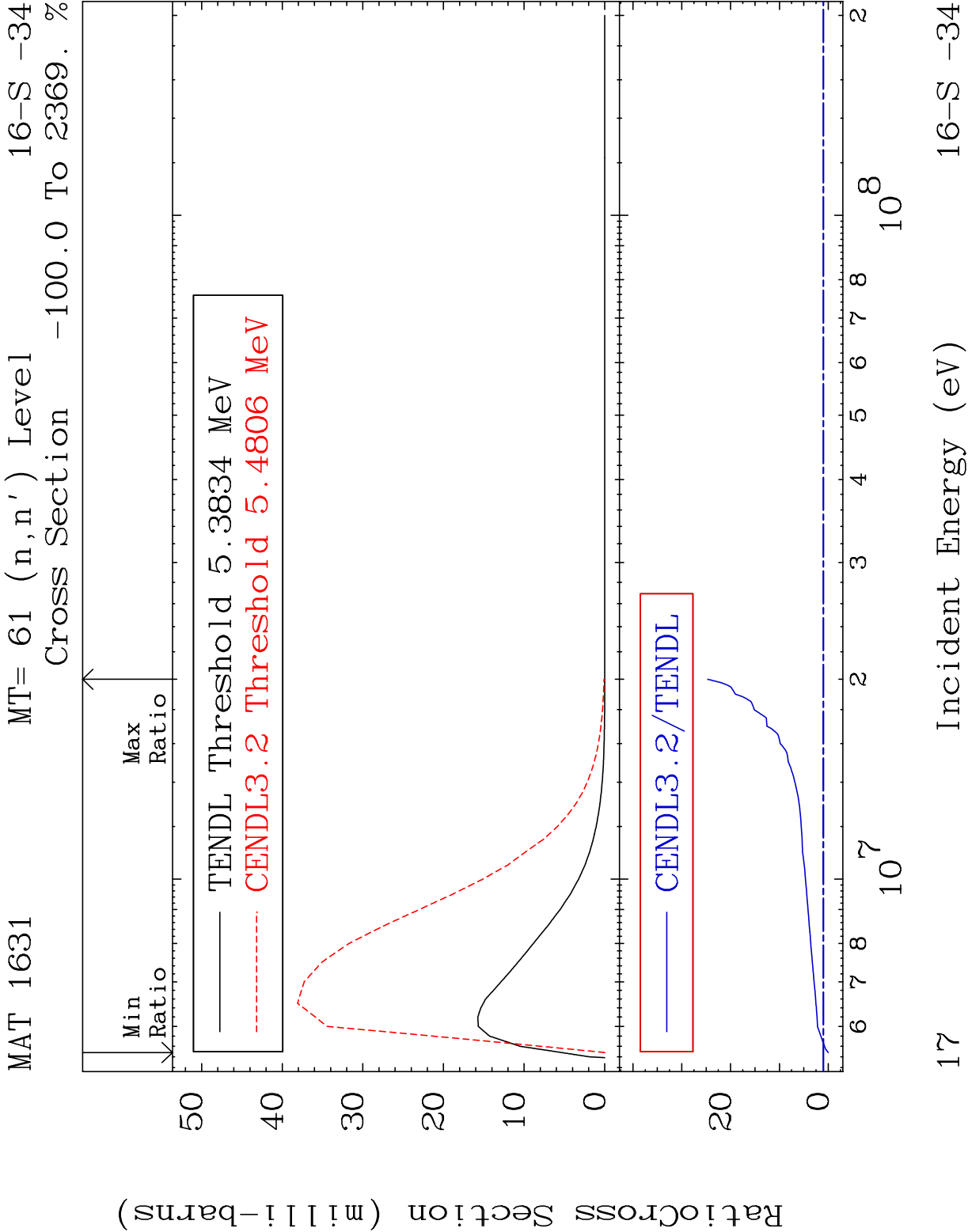
MAT 1631

MT= 60 (n, n') Level

16-S-34

Cross Section	-100.0 To -56.96%
---------------	-------------------



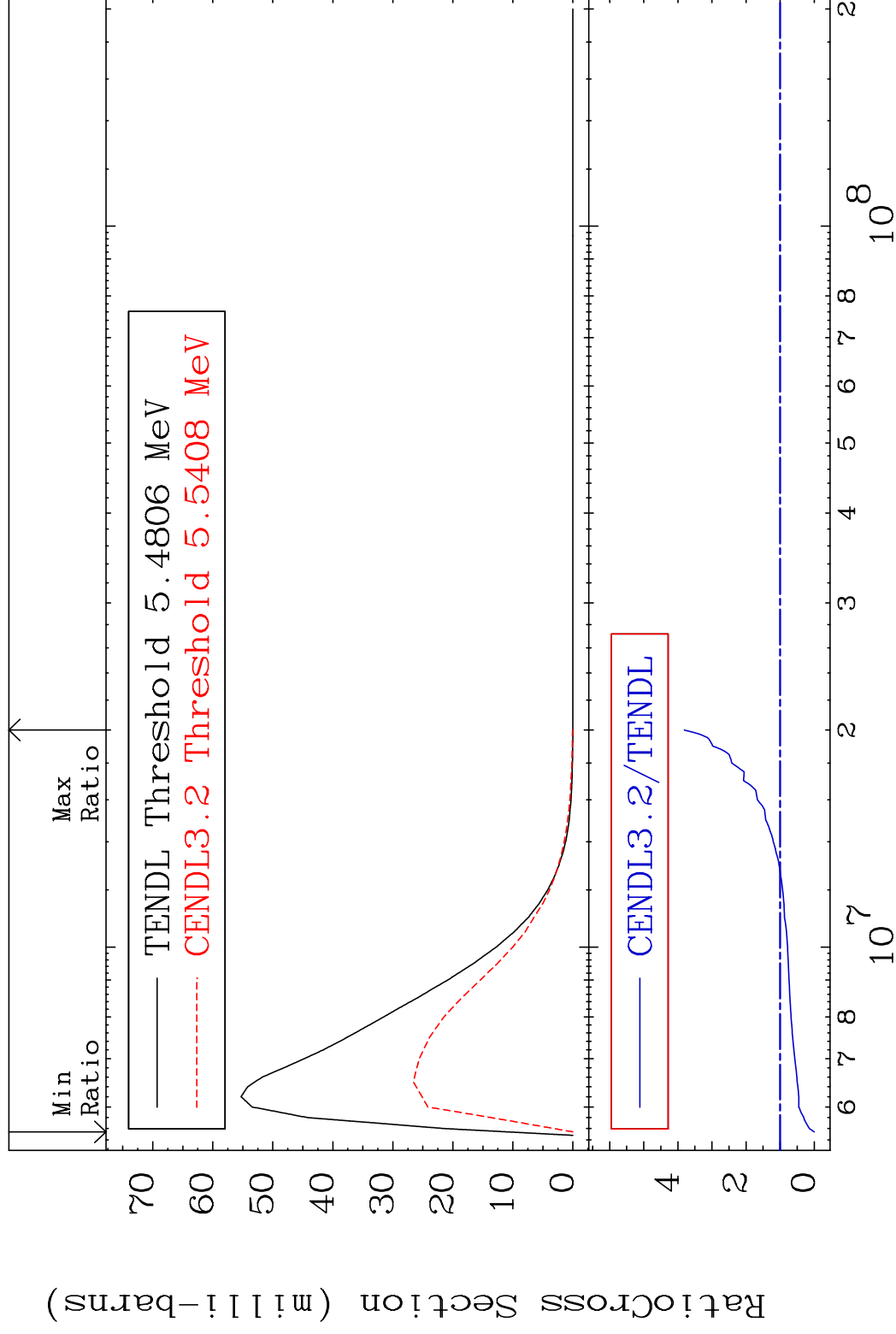


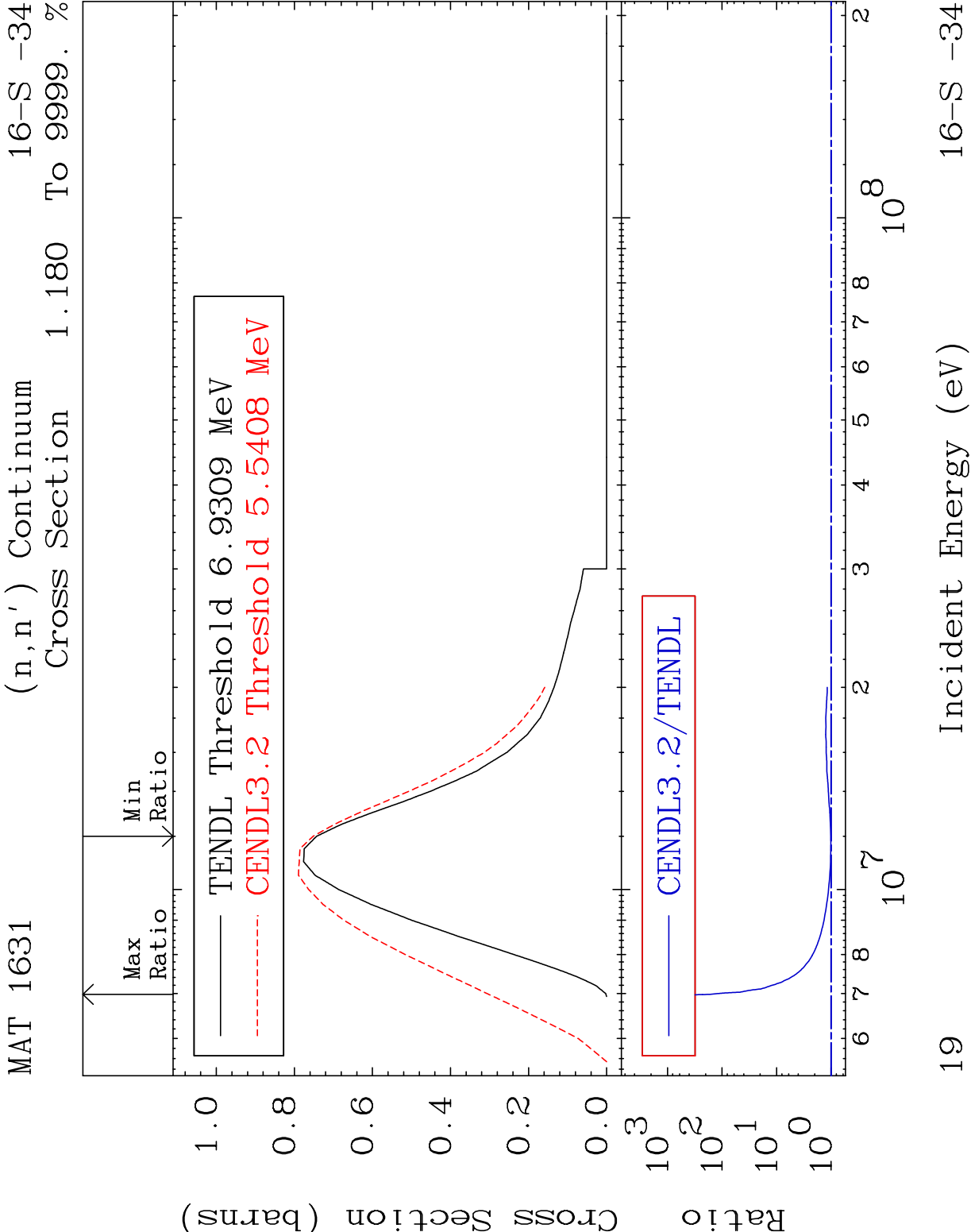
MAT 1631

MT= 62 (n, n') Level

16-S-34

Cross Section -100.0 To 281.8 %



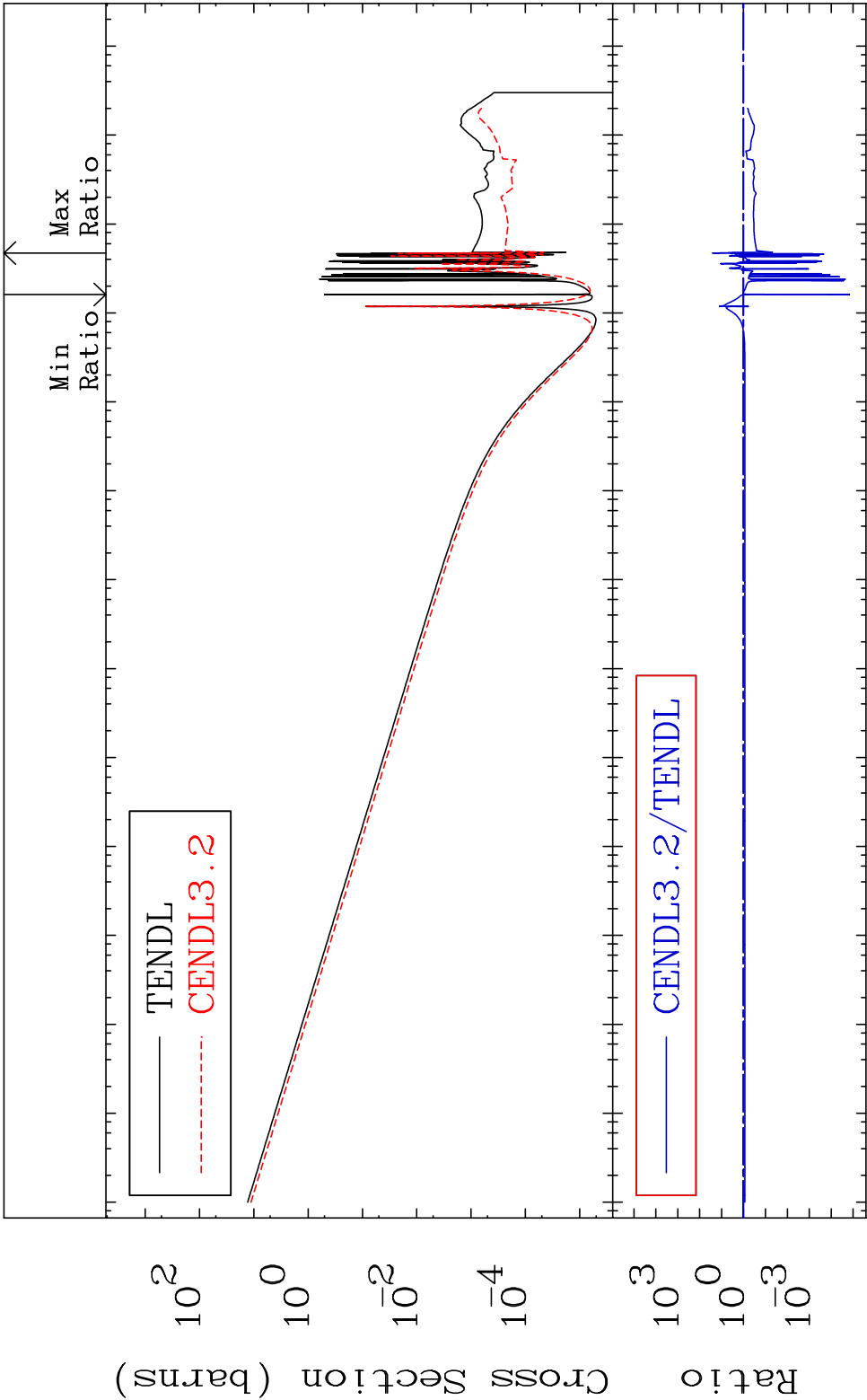


MAT 1631

(n, γ)

16-S -34

Cross Section -100.0 To 2440. %

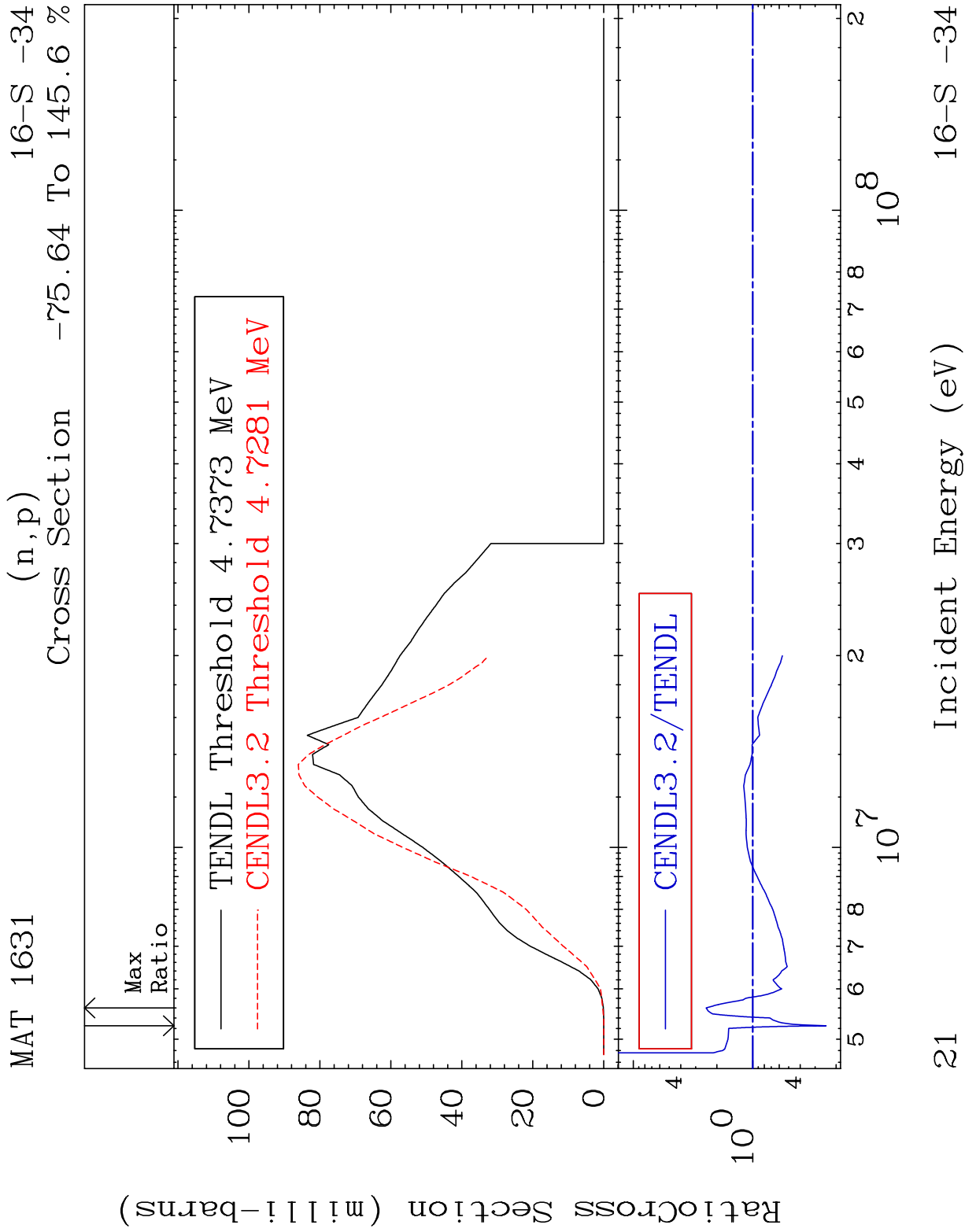


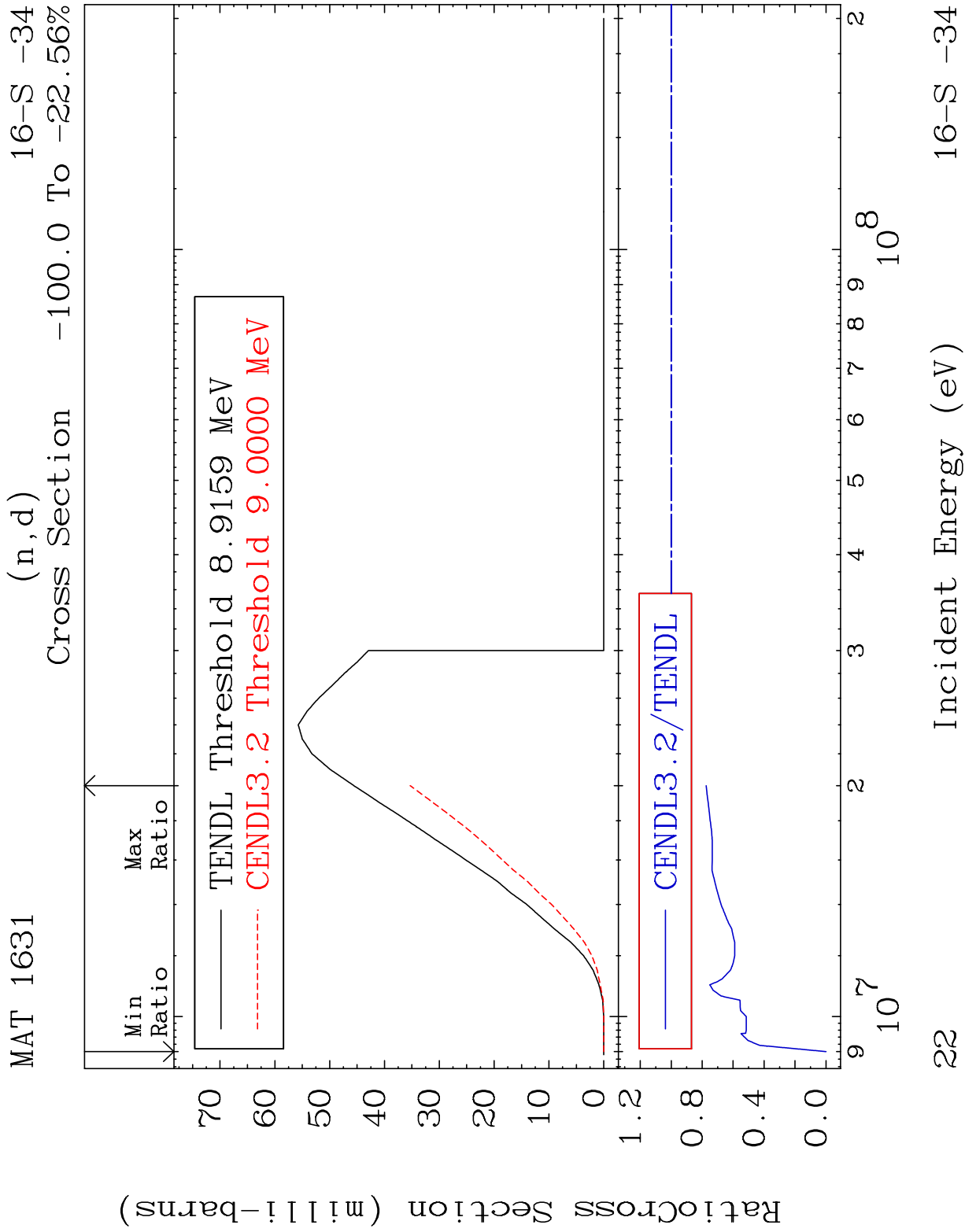
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

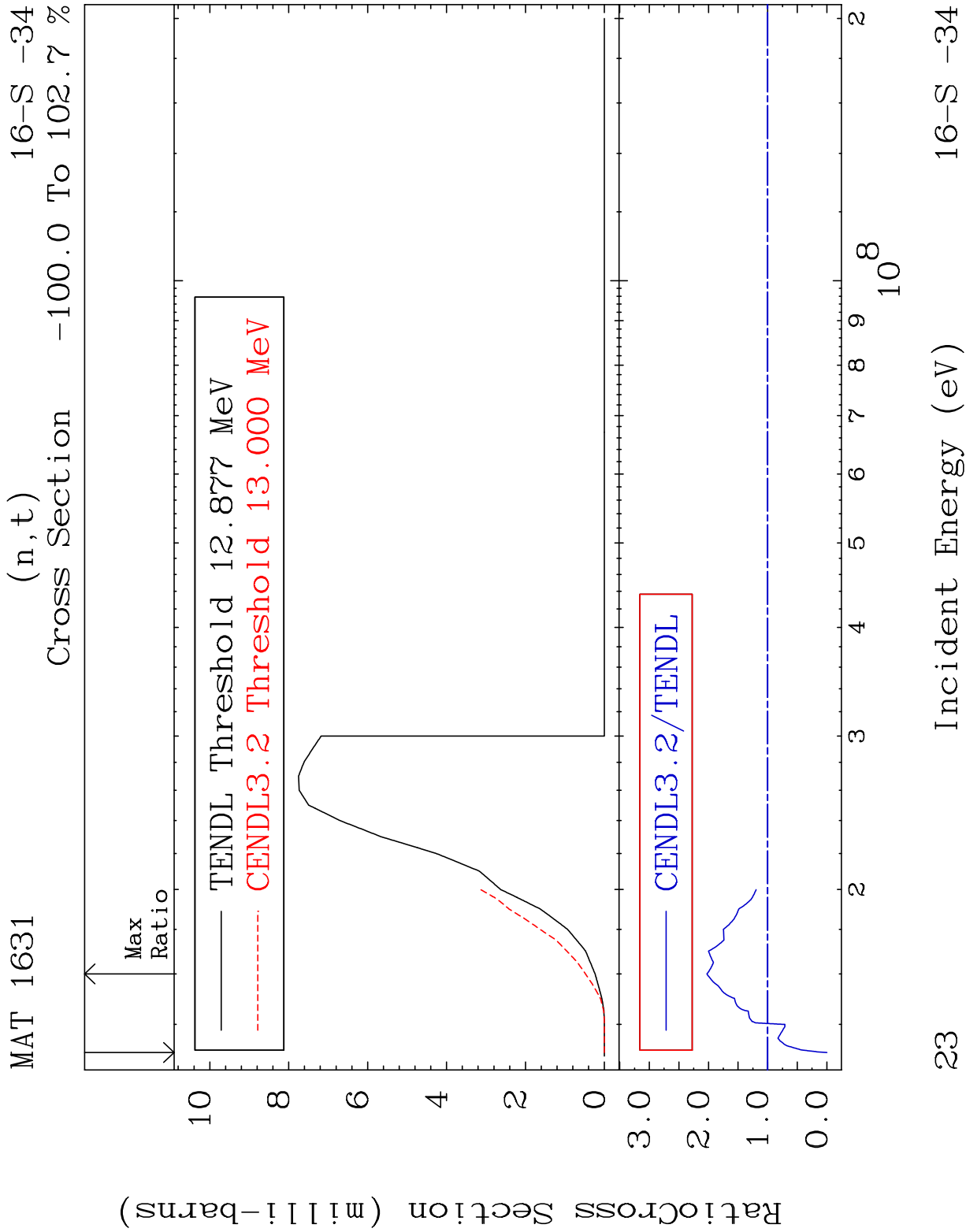
20

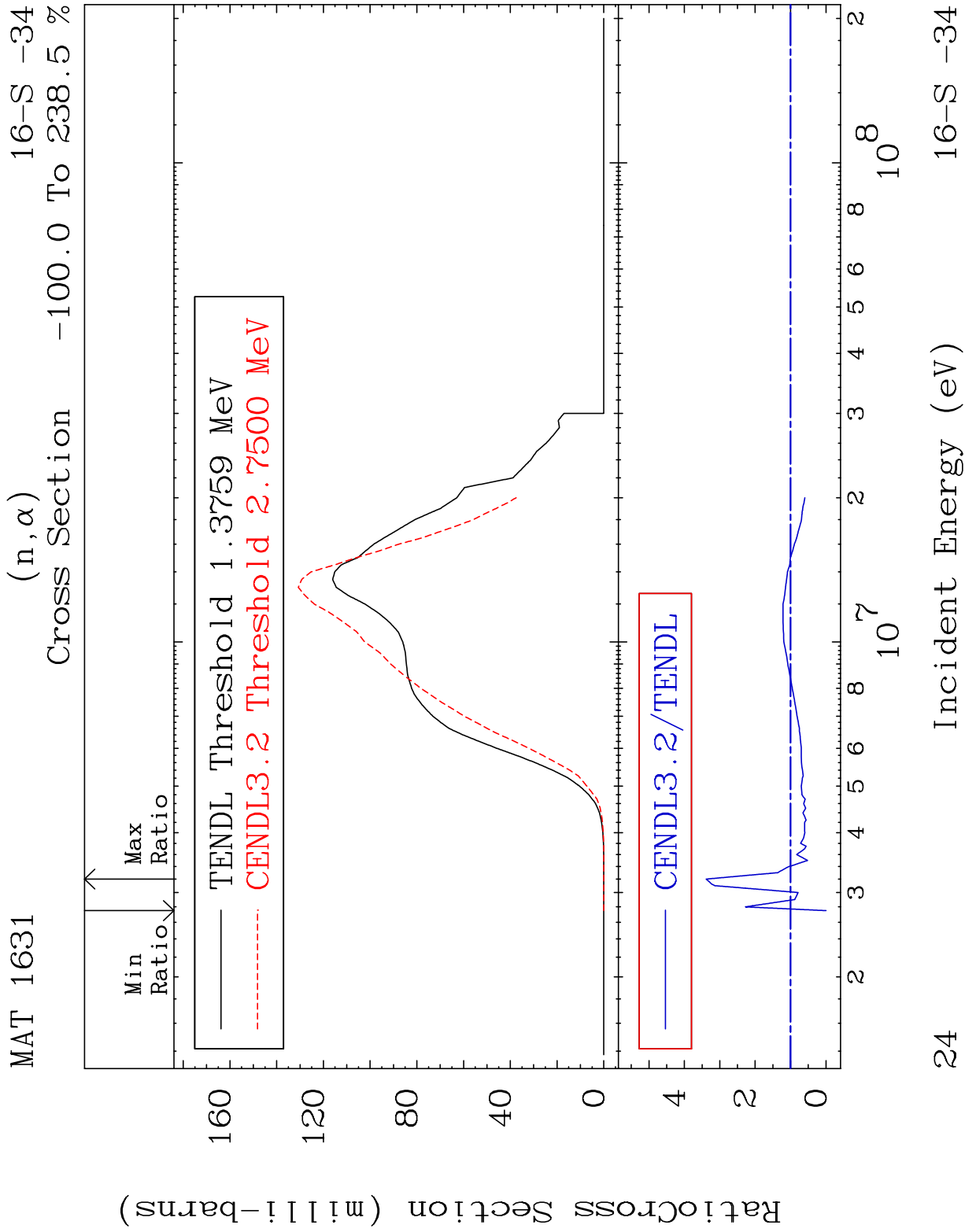
Incident Energy (eV)

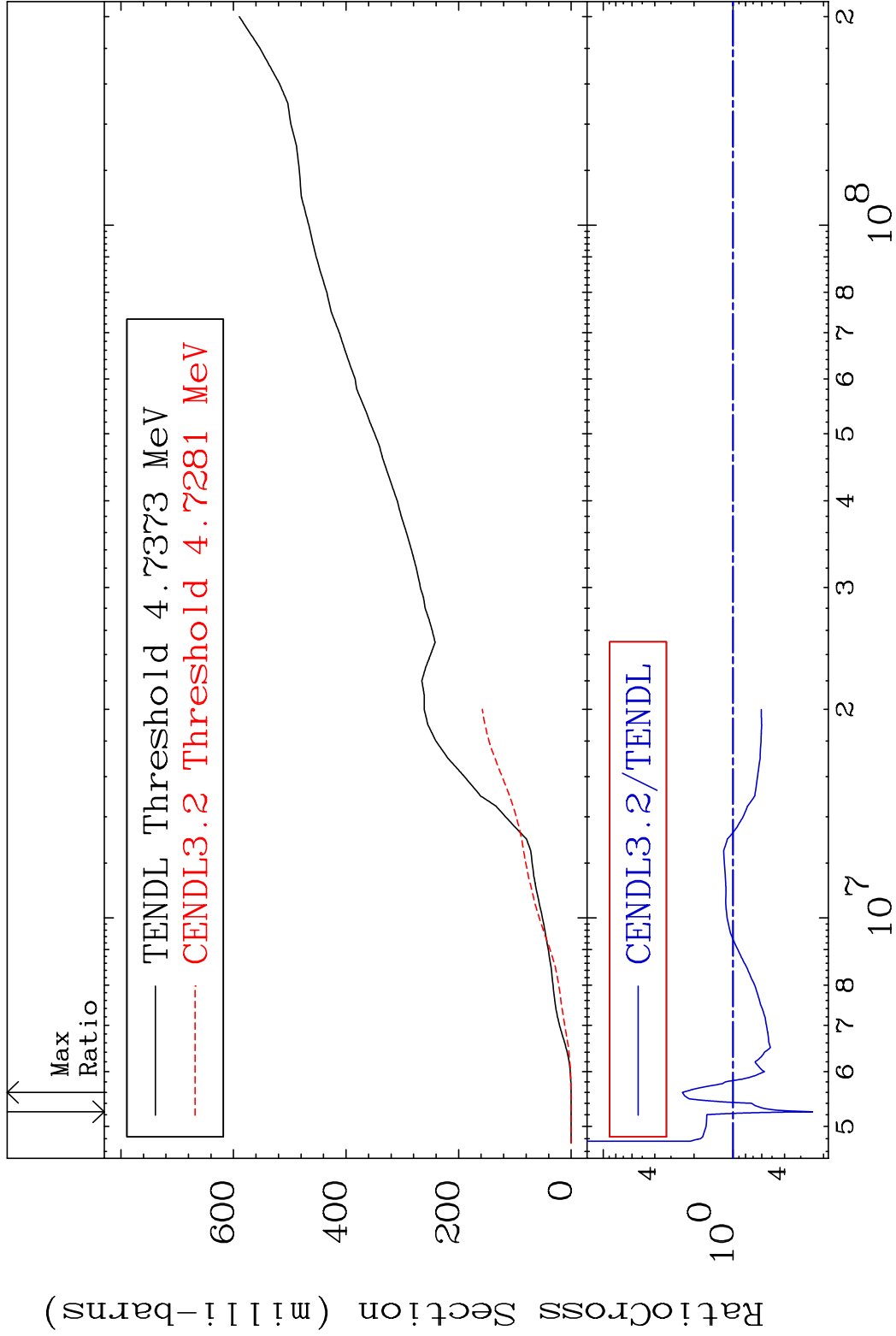
16-S -34



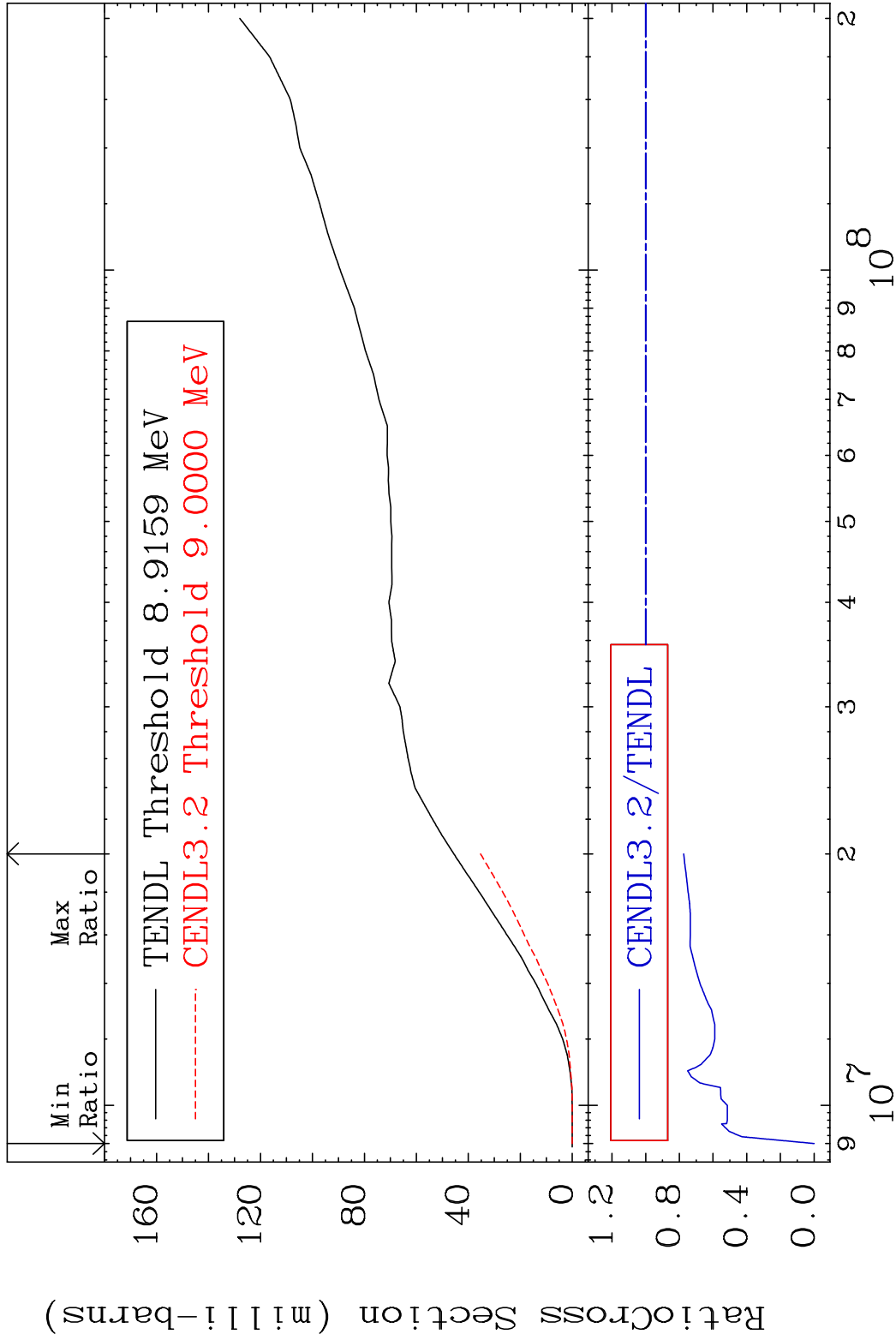




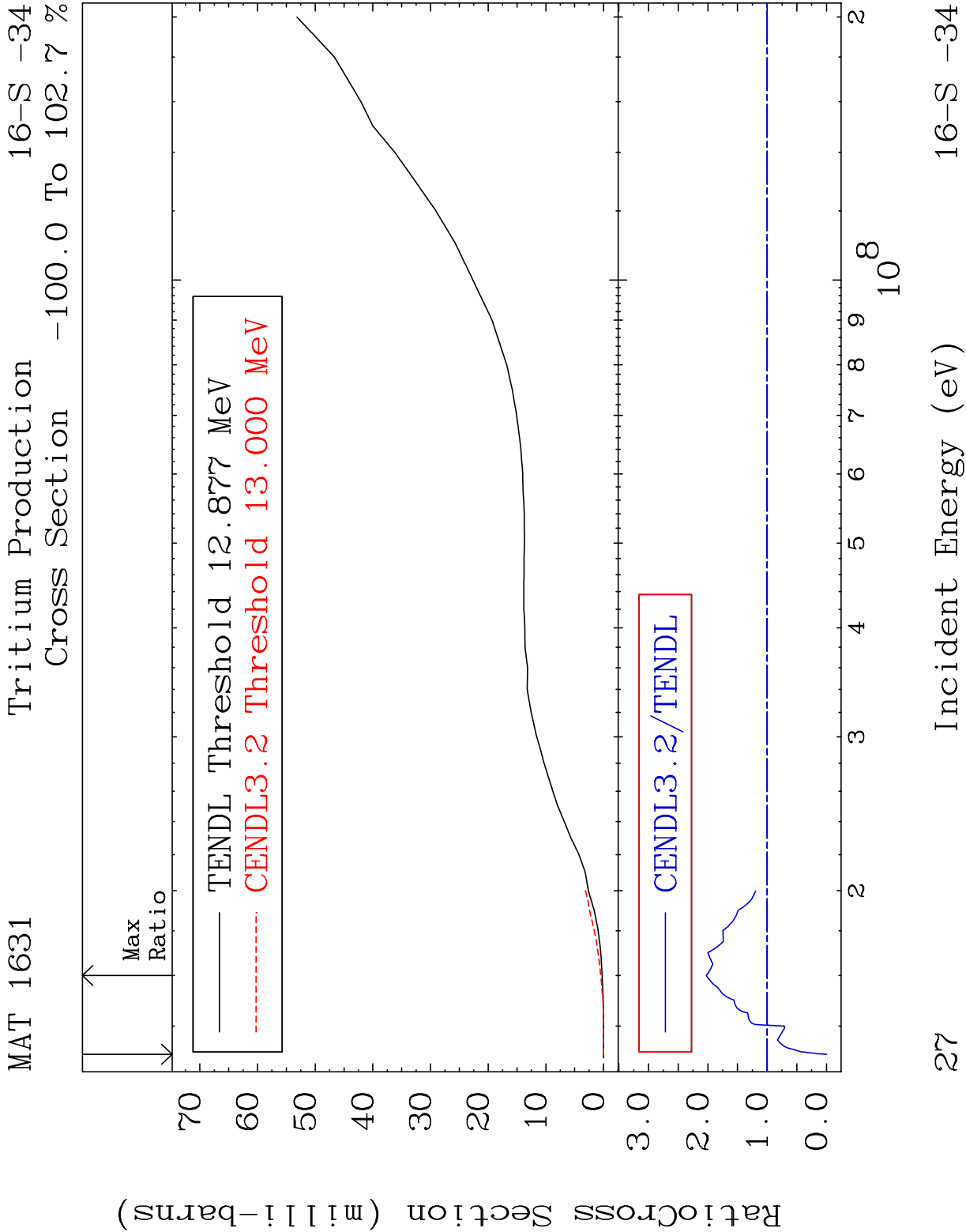


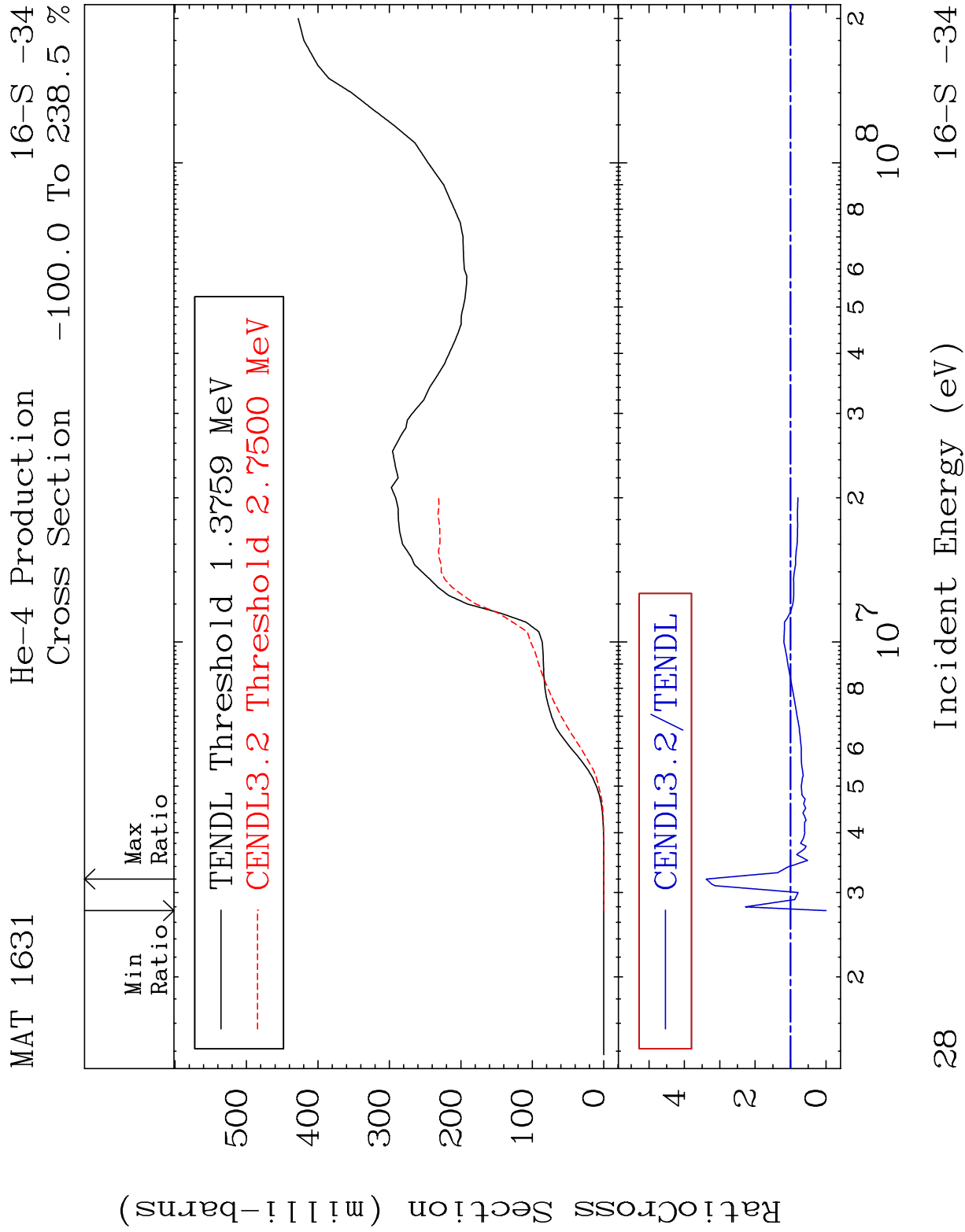


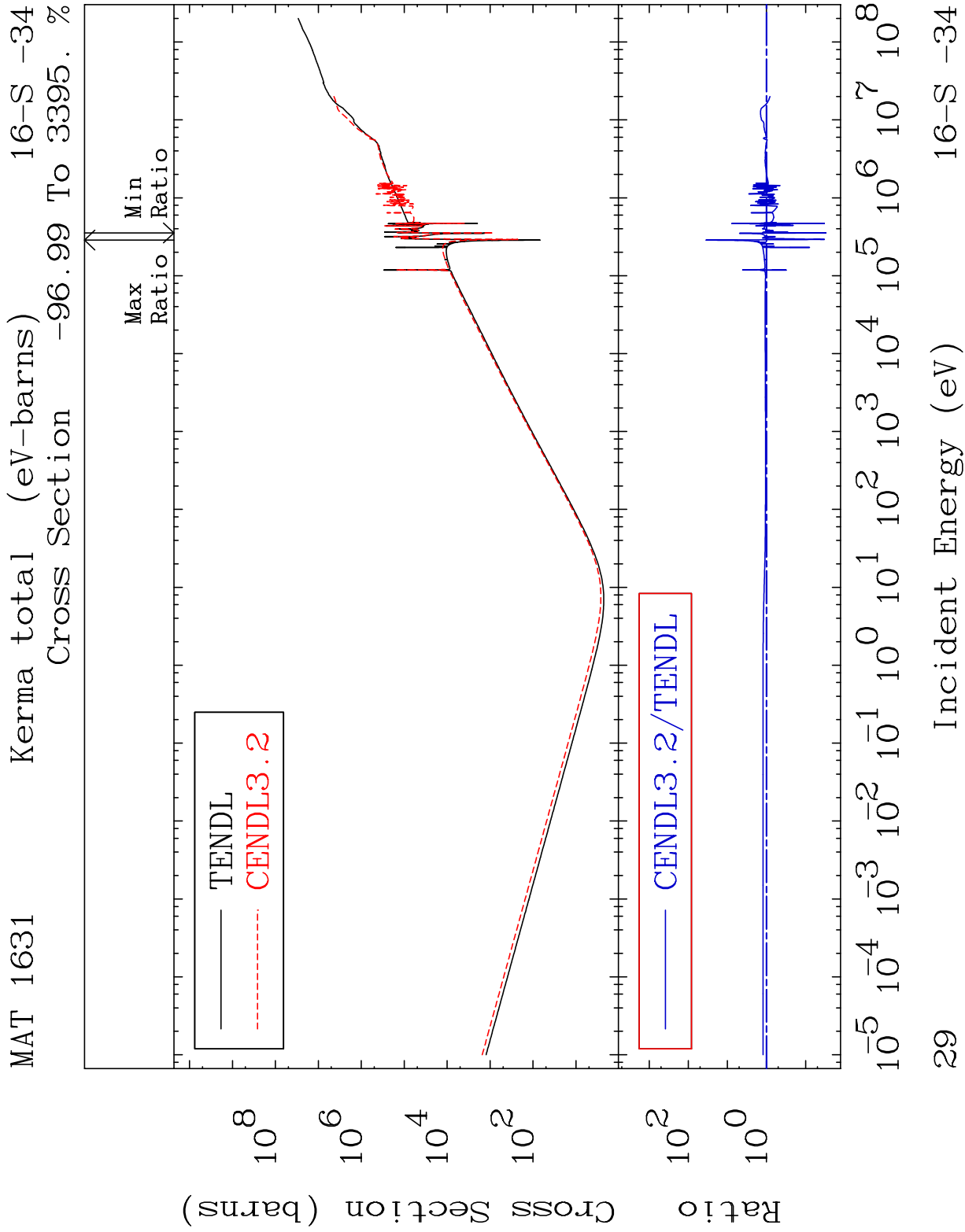
MAT 1631 Deuterium Production 16-S -34
Cross Section -100.0 To -22.56%



26 Incident Energy (eV) 16-S -34



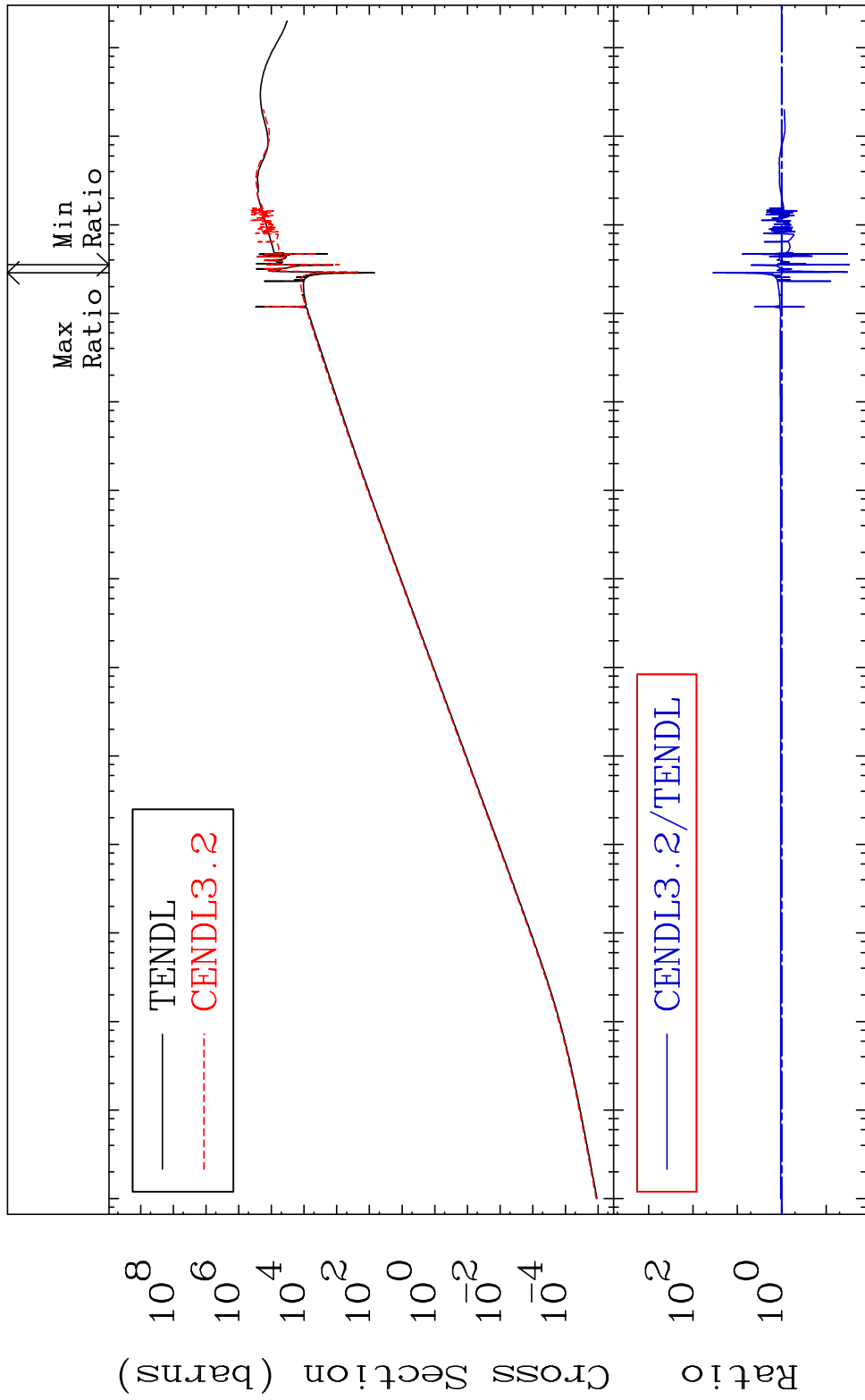




MAT 1631

Kerma elastic
Cross Section

16-S -34
-97.00 To 3397. %



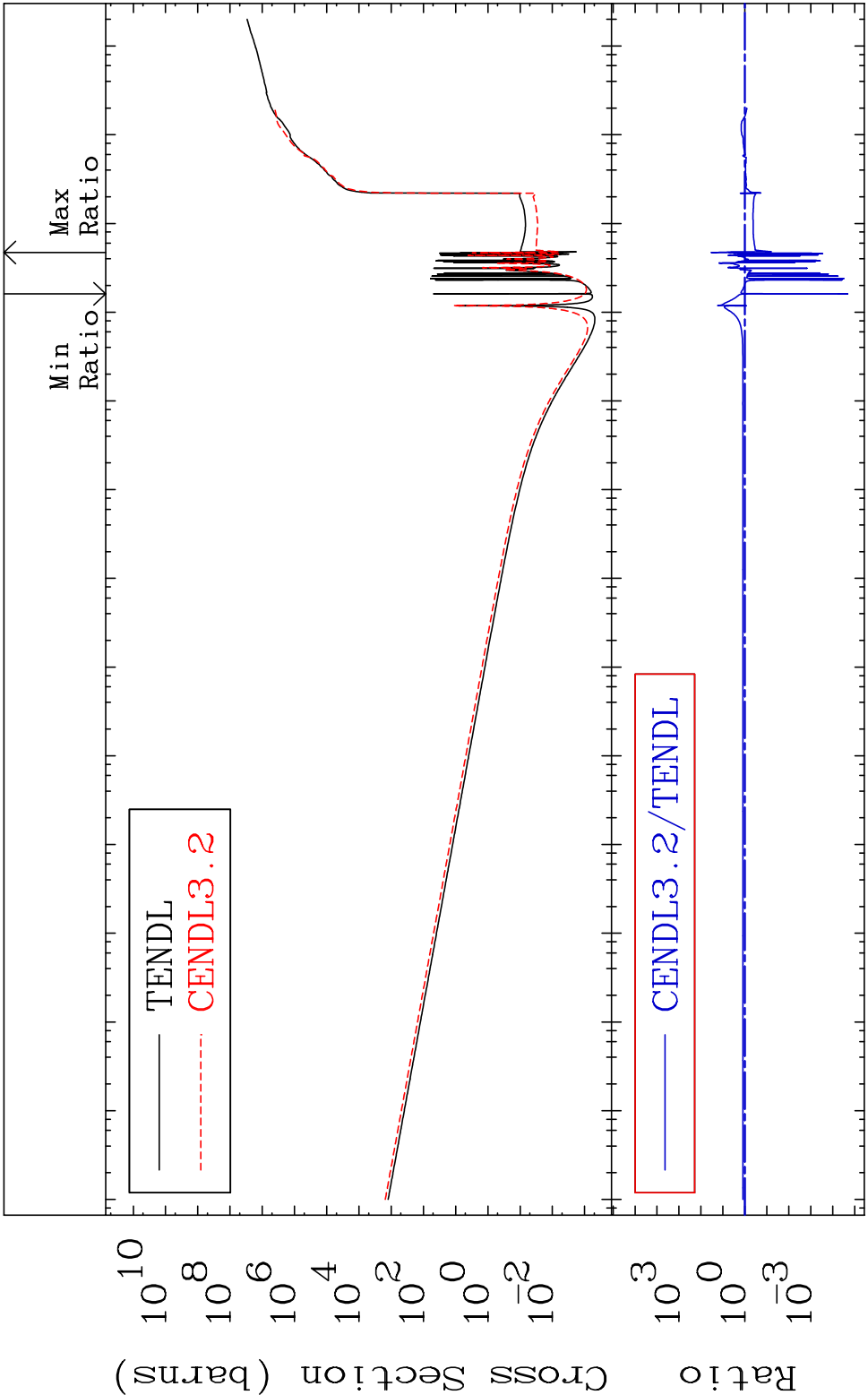
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

30

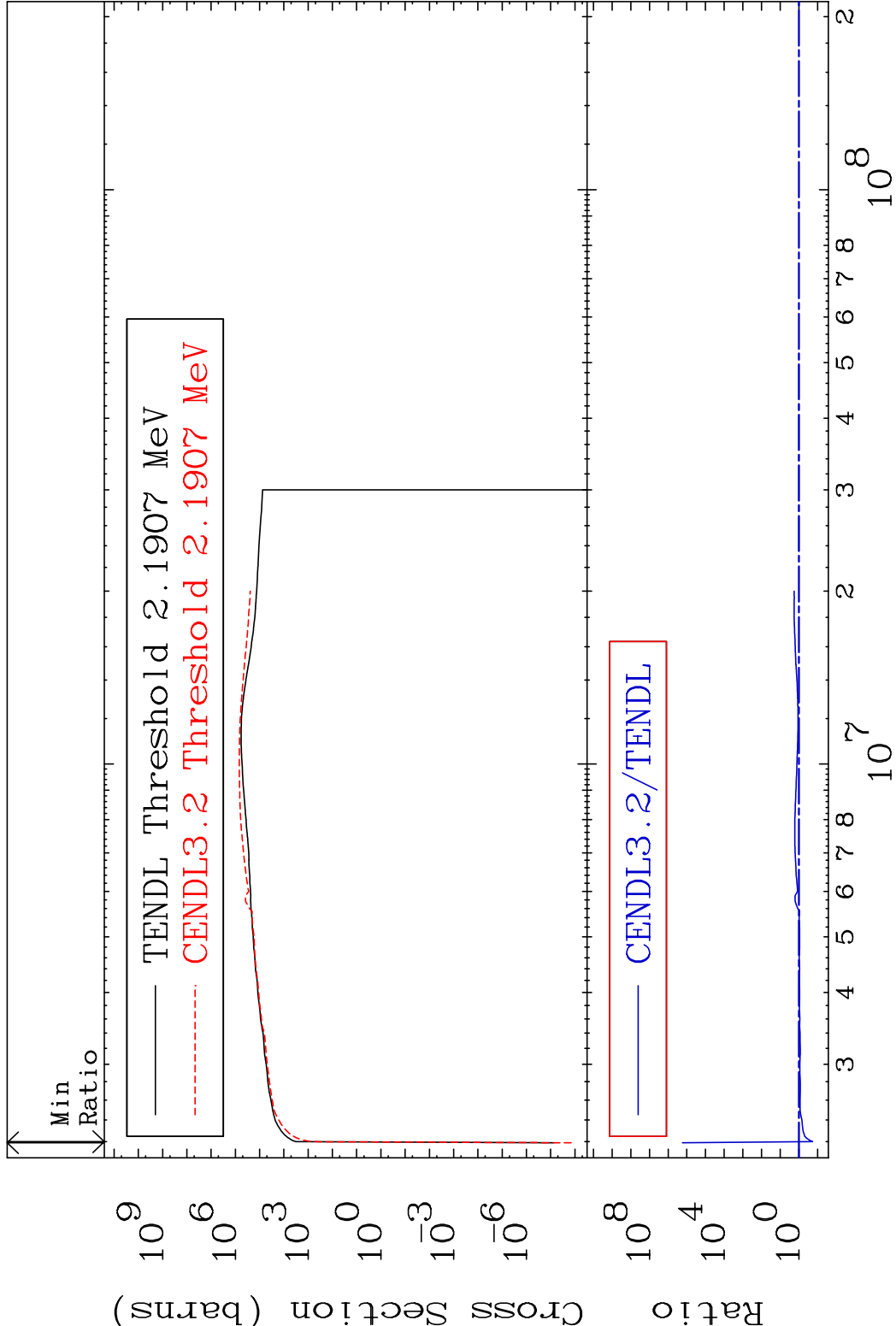
Incident Energy (eV)

16-S -34

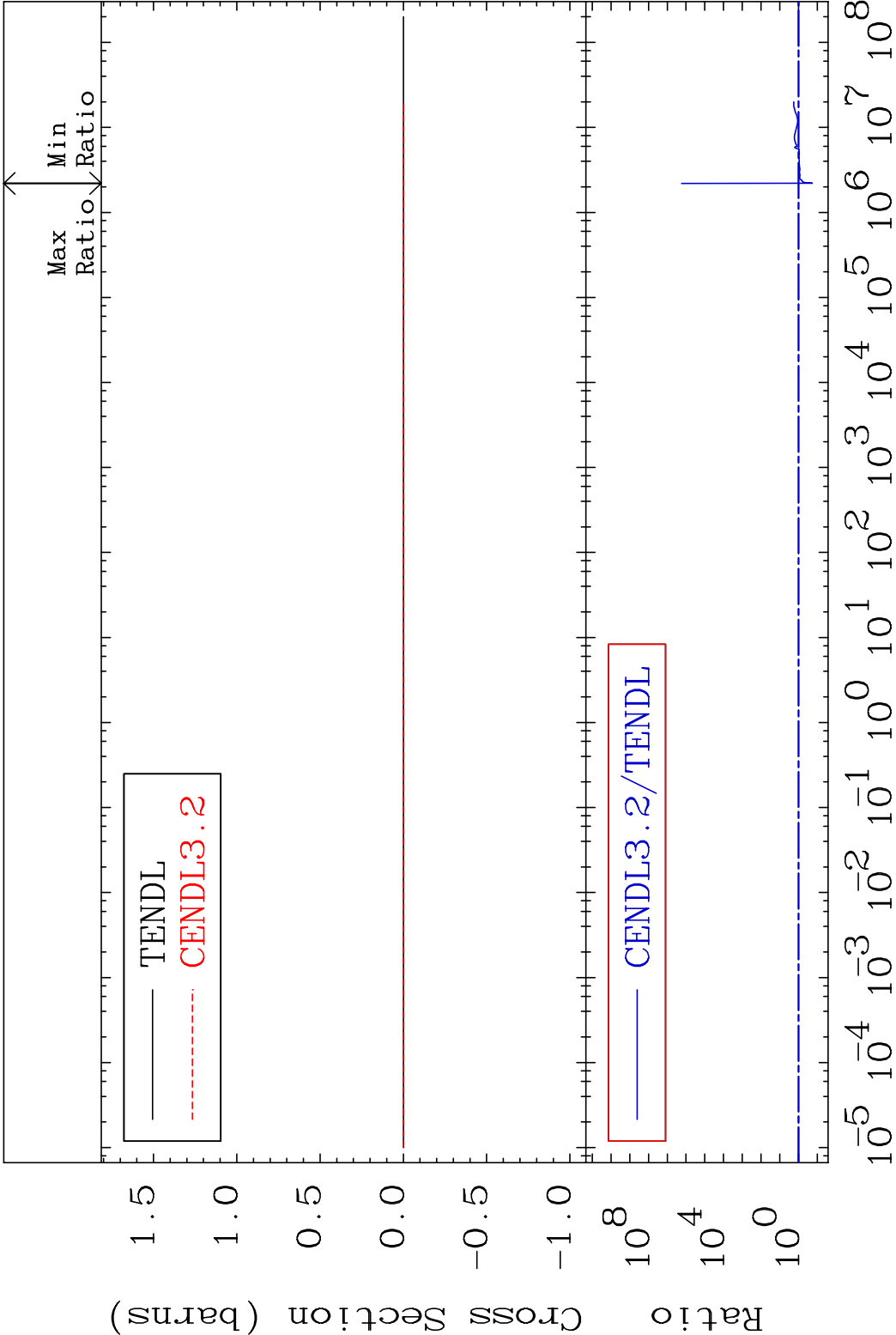
MAT 1631 Kerma non-elastic (all but mt2) 16-S -34
 Cross Section -100.0 To 3257. %

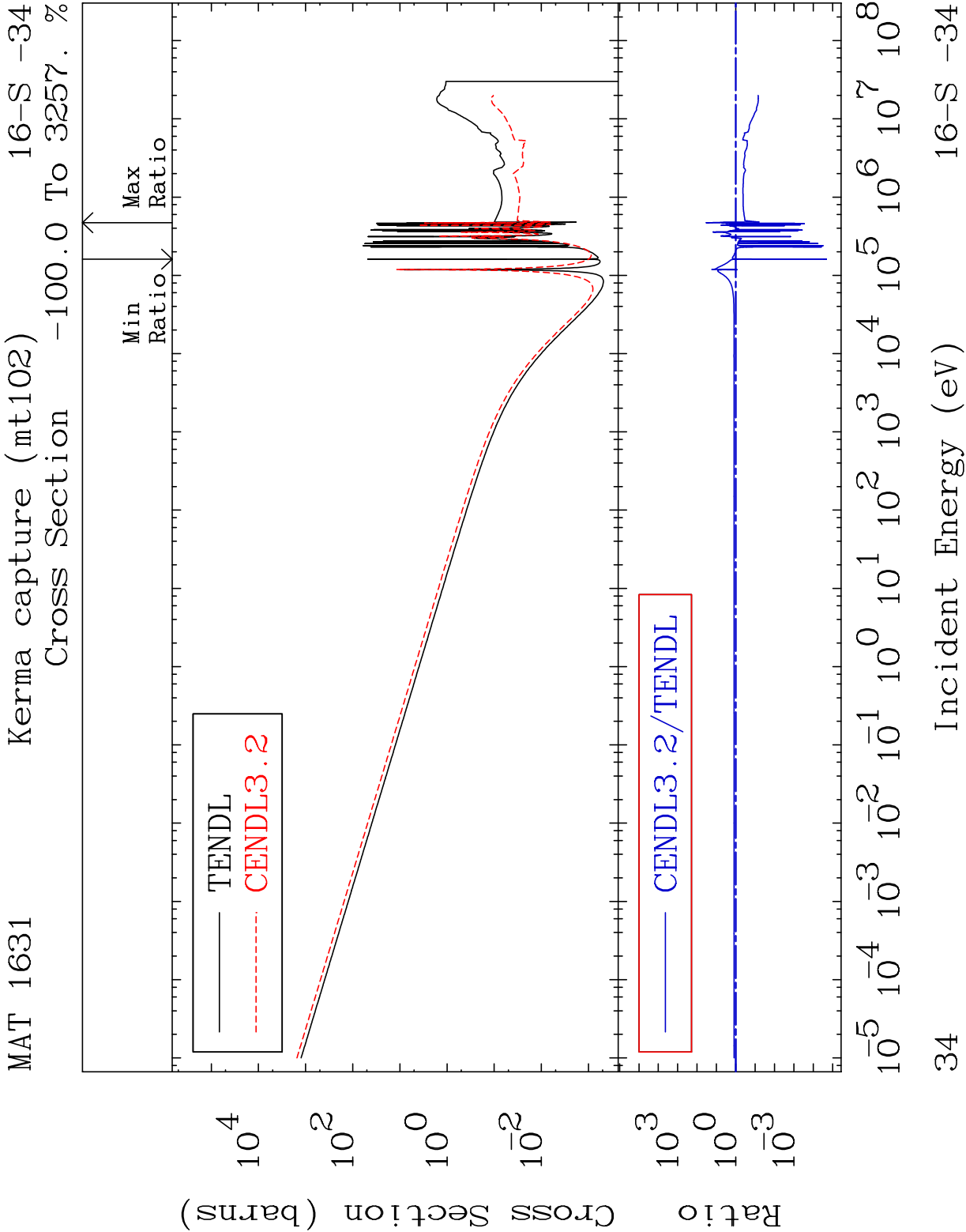


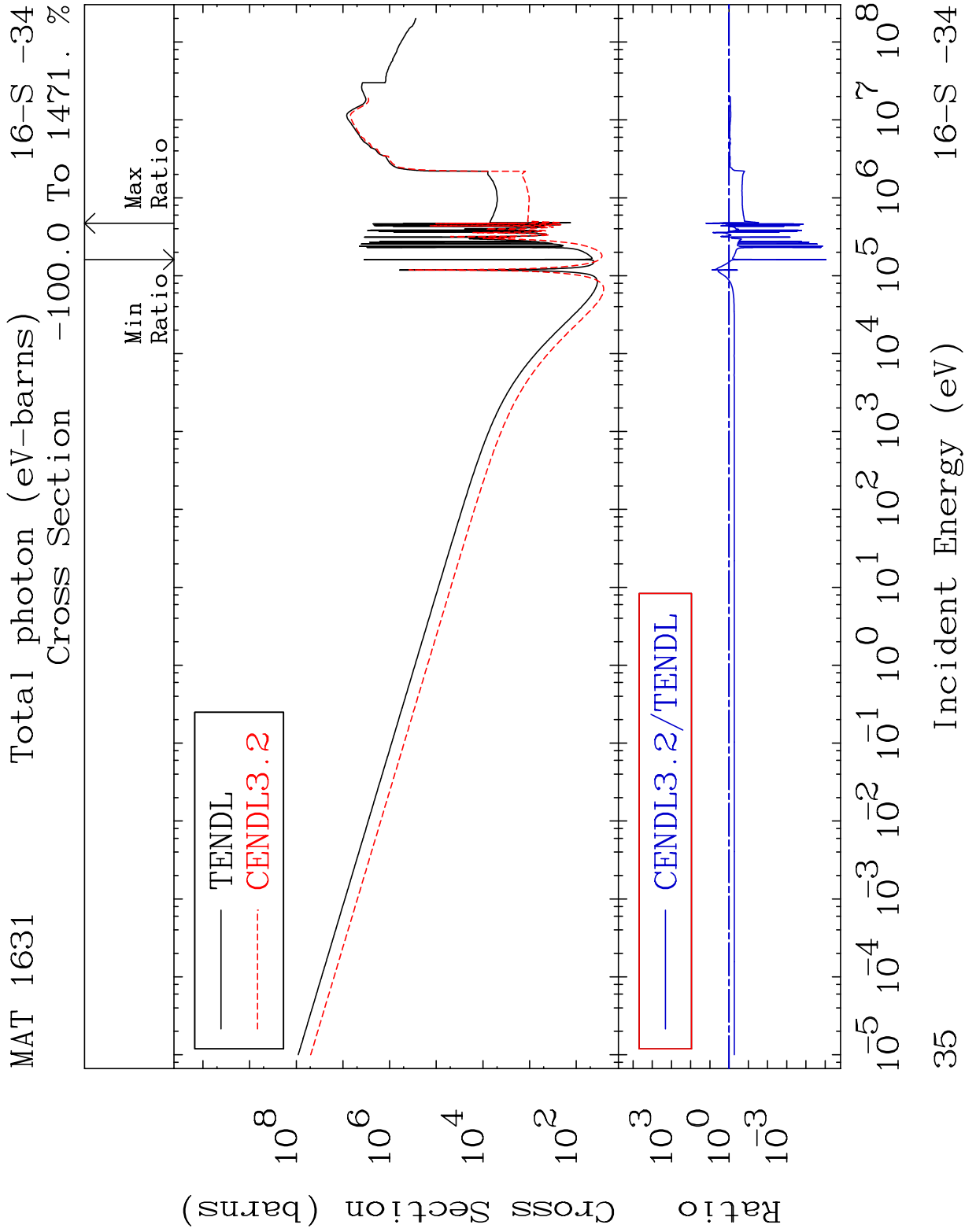
31 Incident Energy (eV) 16-S -34



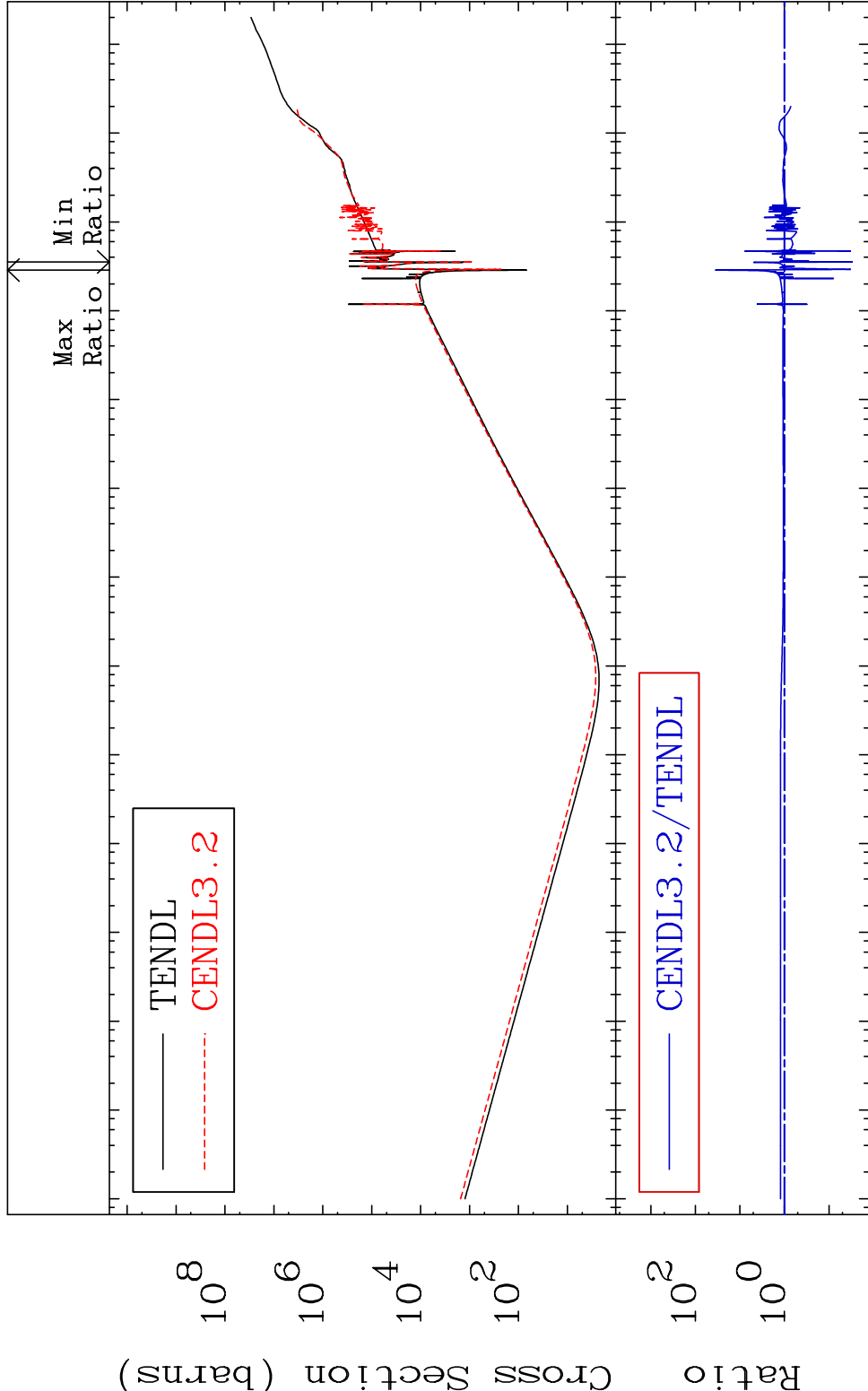
MAT 1631 Kerma fission (mt18 or mt19-20-21-38) 16-S -34
Cross Section -81.16 To 9999. %





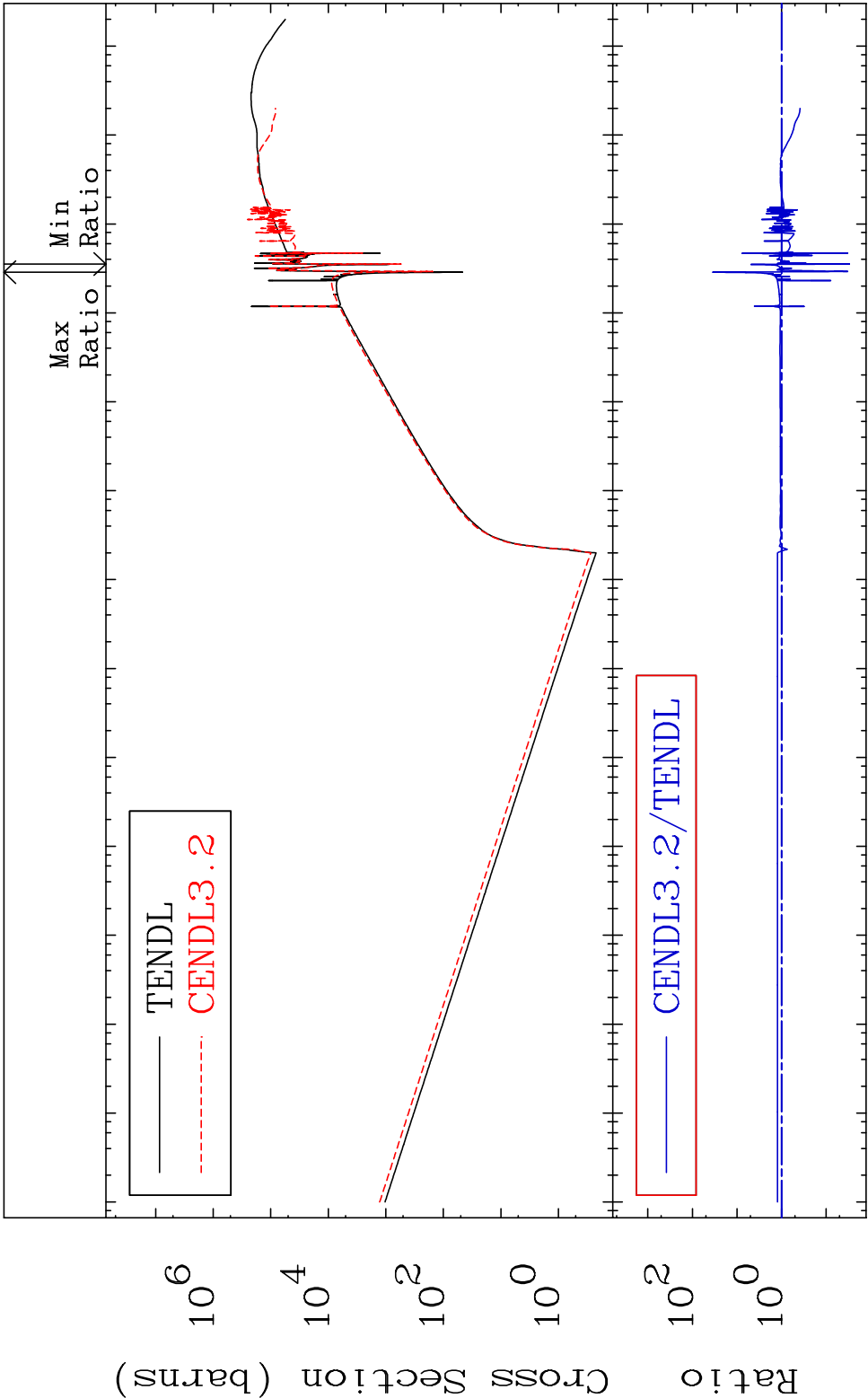


MAT 1631 Total kinematic kerma (high limit) 16-S -34
Cross Section -96.99 To 3395. %



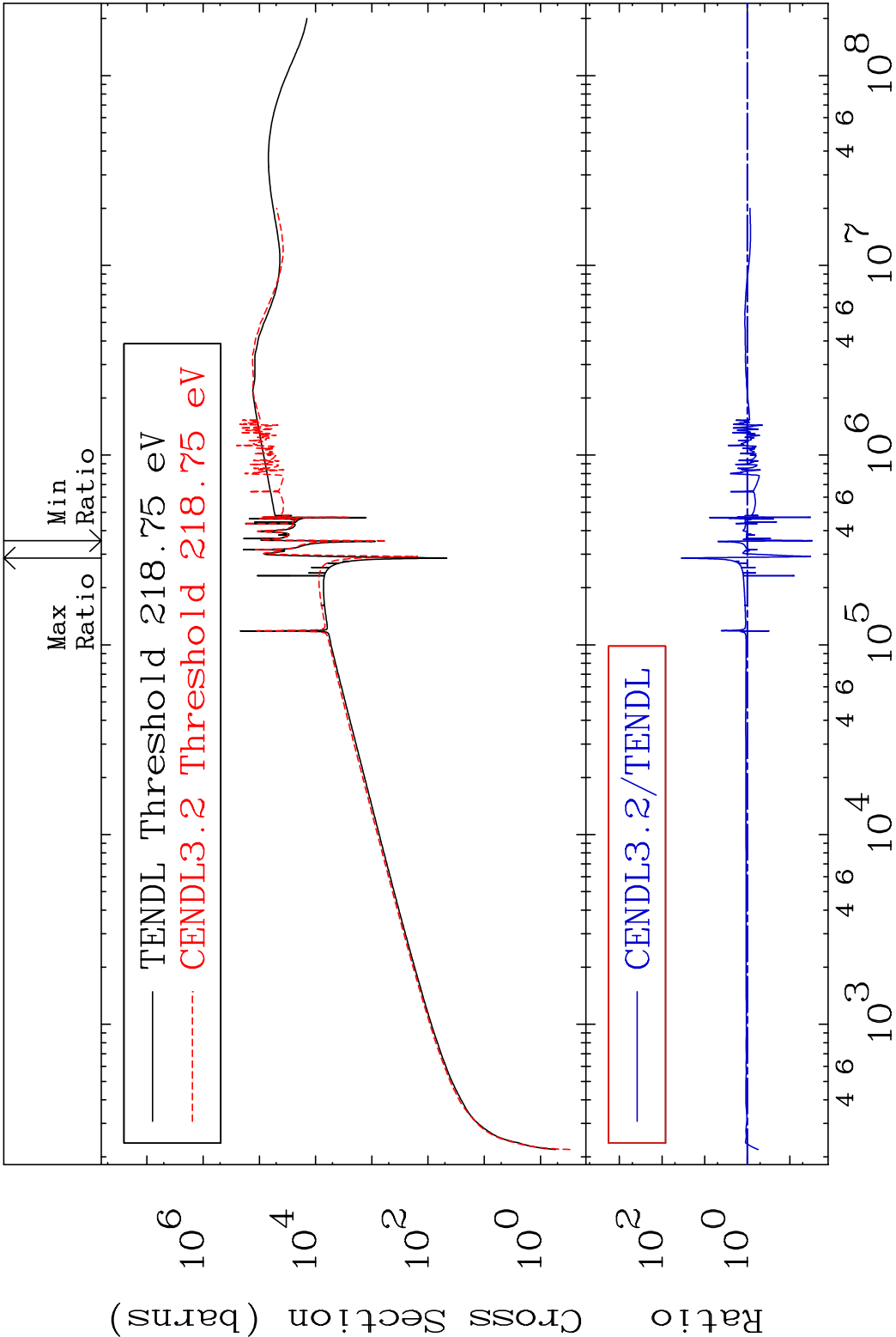
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
36 Incident Energy (eV) 16-S -34

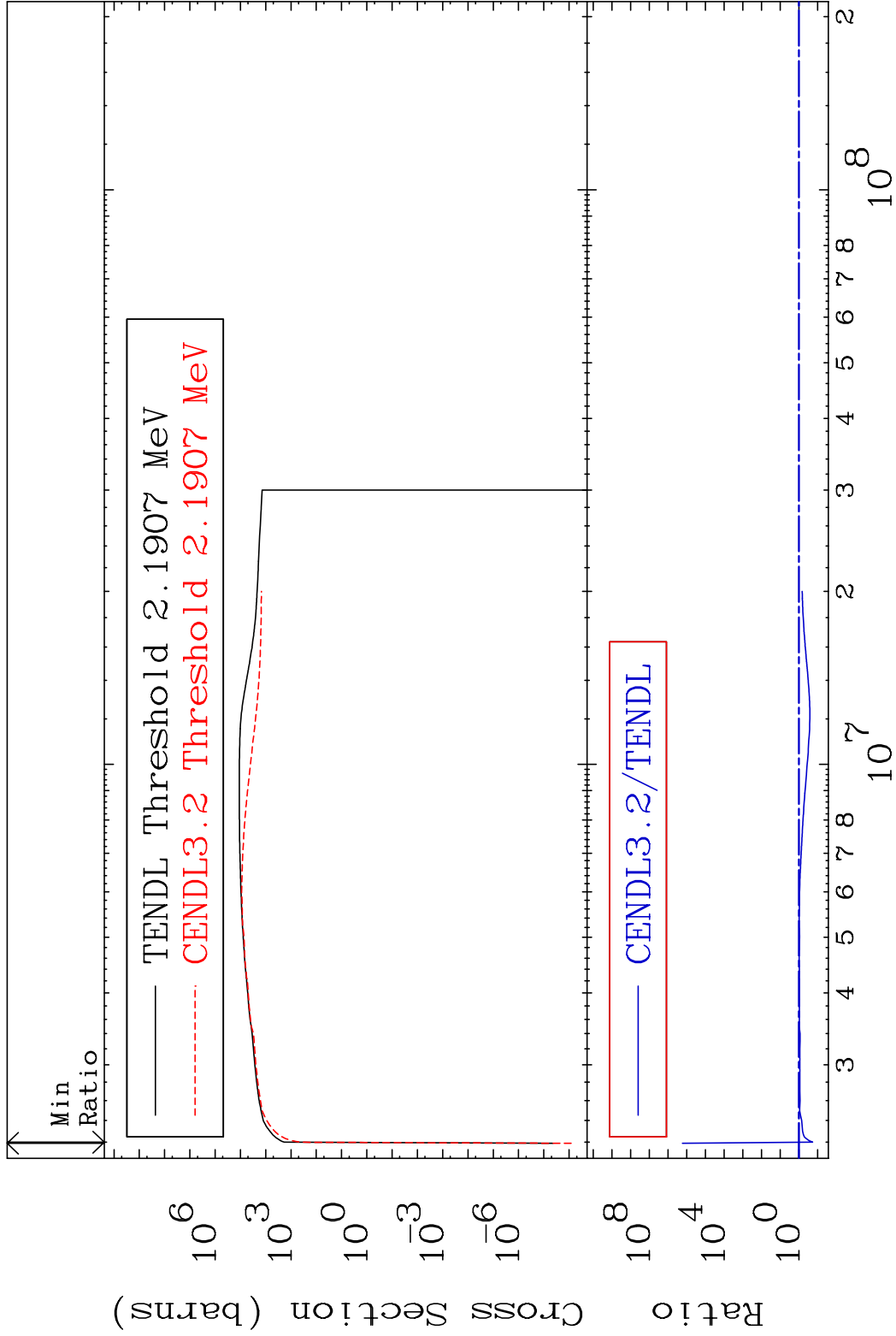
MAT 1631 Dpa total (eV-barns) 16-S -34
Cross Section -97.00 To 3386. %



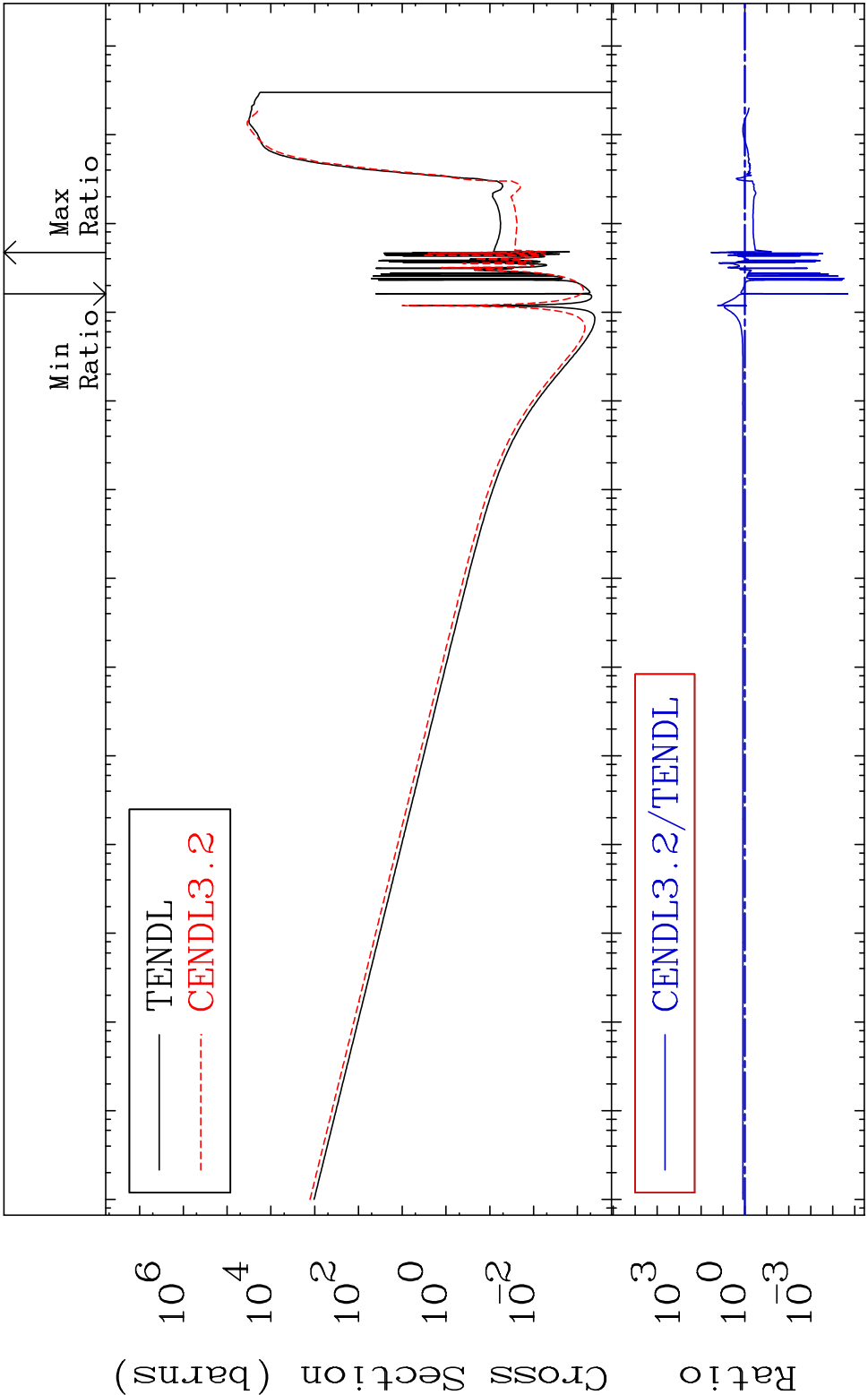
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
37 Incident Energy (eV) 16-S -34

MAT 1631 Dpa elastic (mt2) 16-S -34
 Cross Section -97.01 To 3389. %





MAT 1631 Dpa disappearance (mt102 -120) 16-S -34
Cross Section -100.0 To 3283. %



40 Incident Energy (eV) 16-S -34