

Program Complot
(Version 2021-1)

by

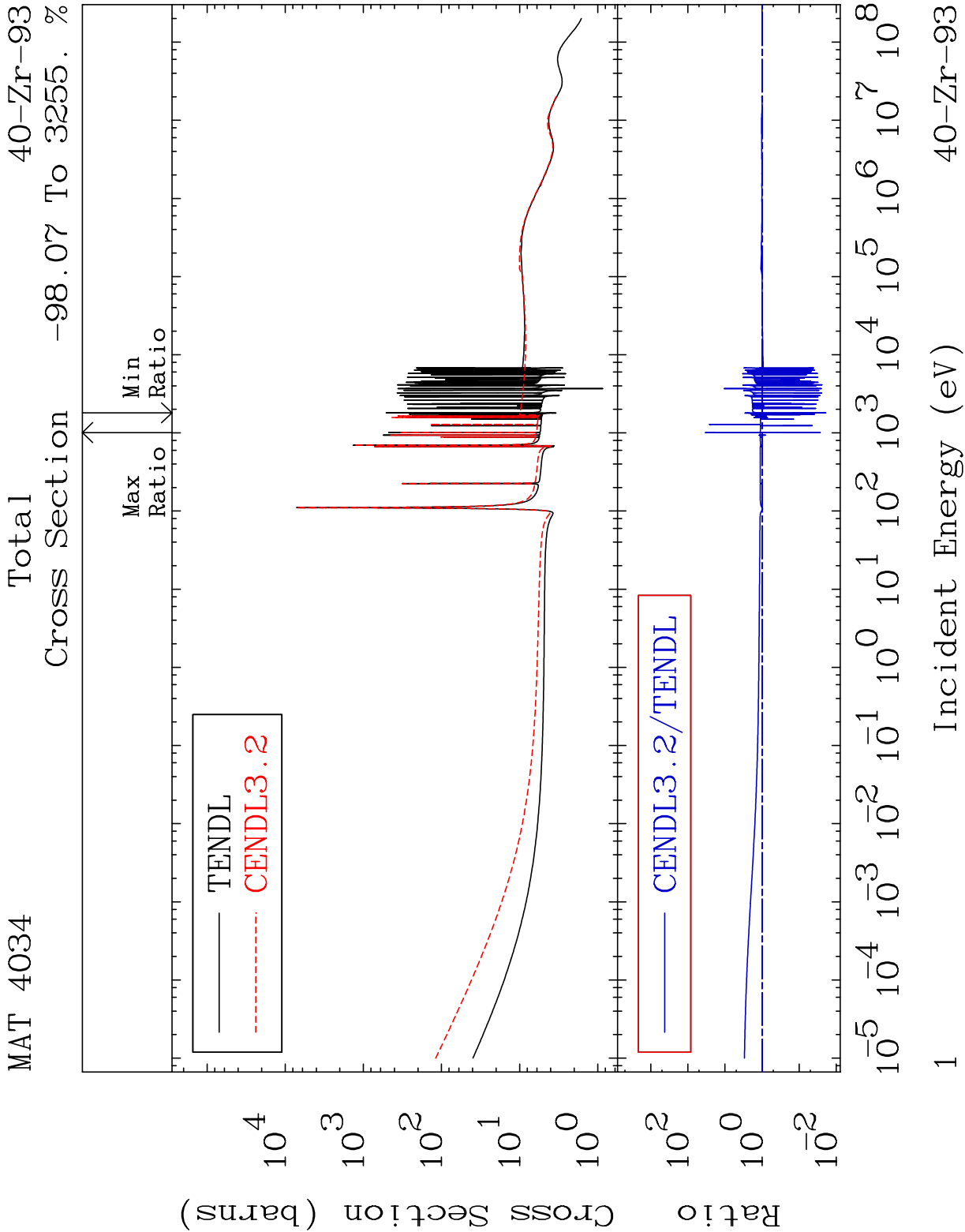
Dermott E. Cullen
(Present Contact Information)

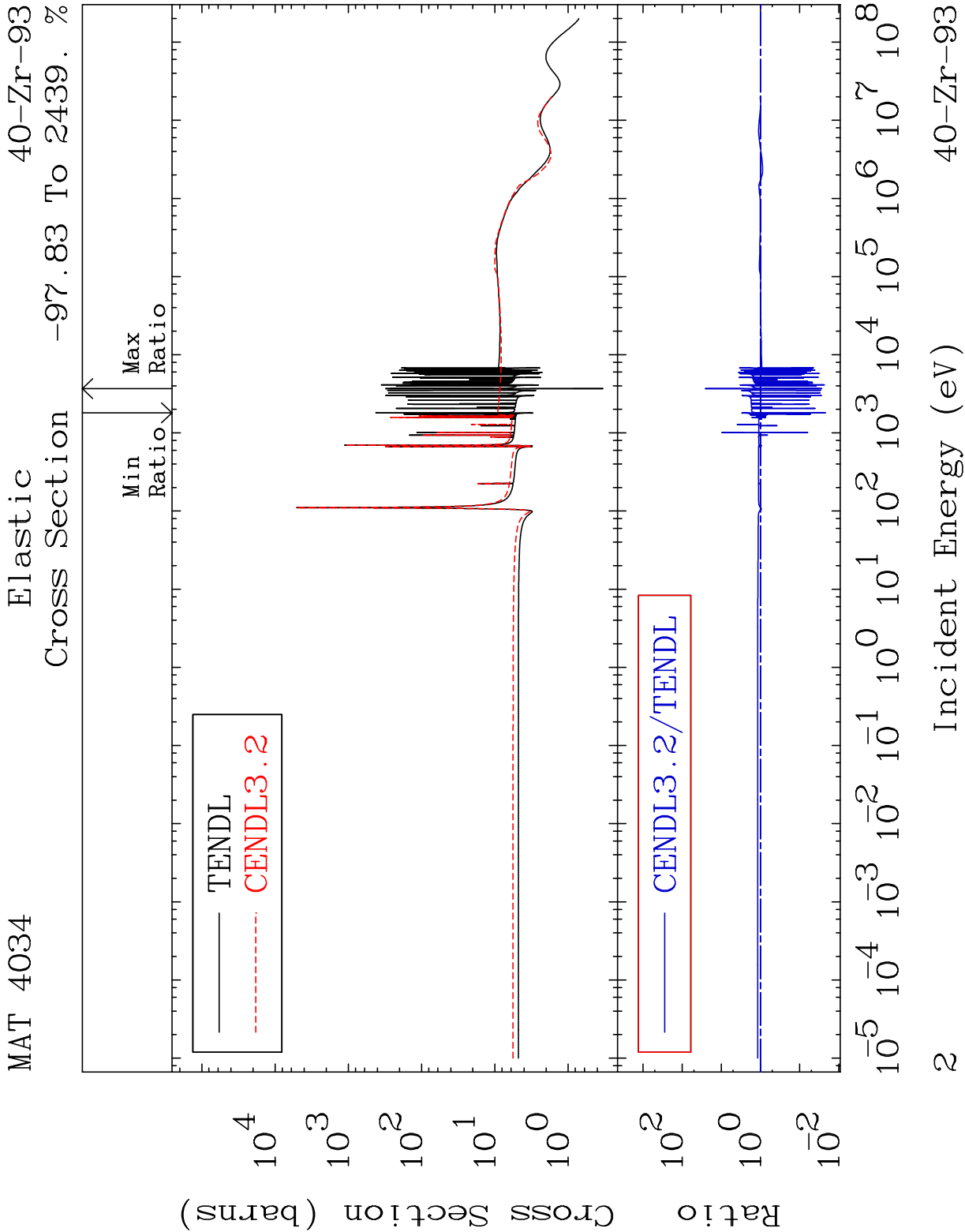
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

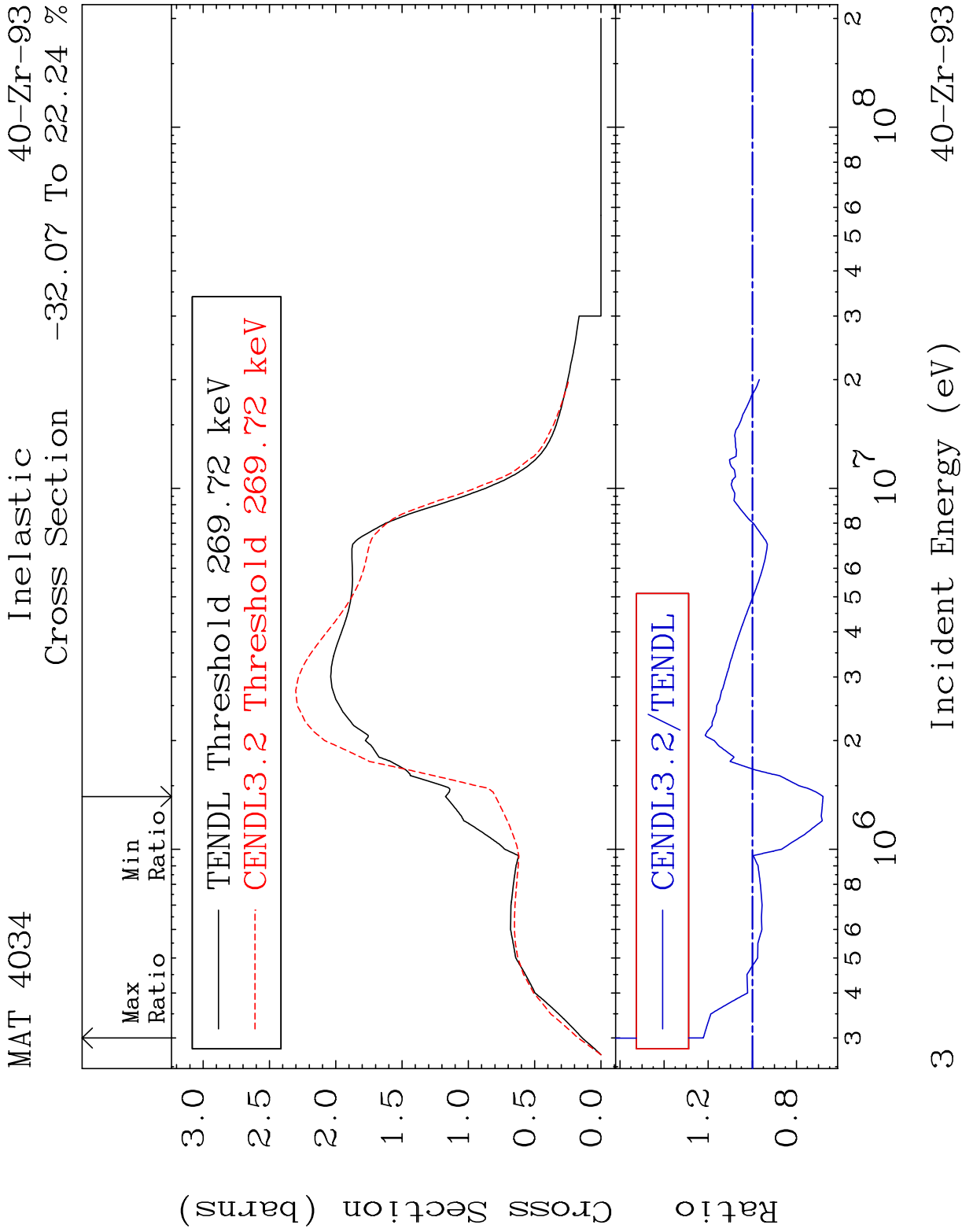
Tele: 925-443-1911

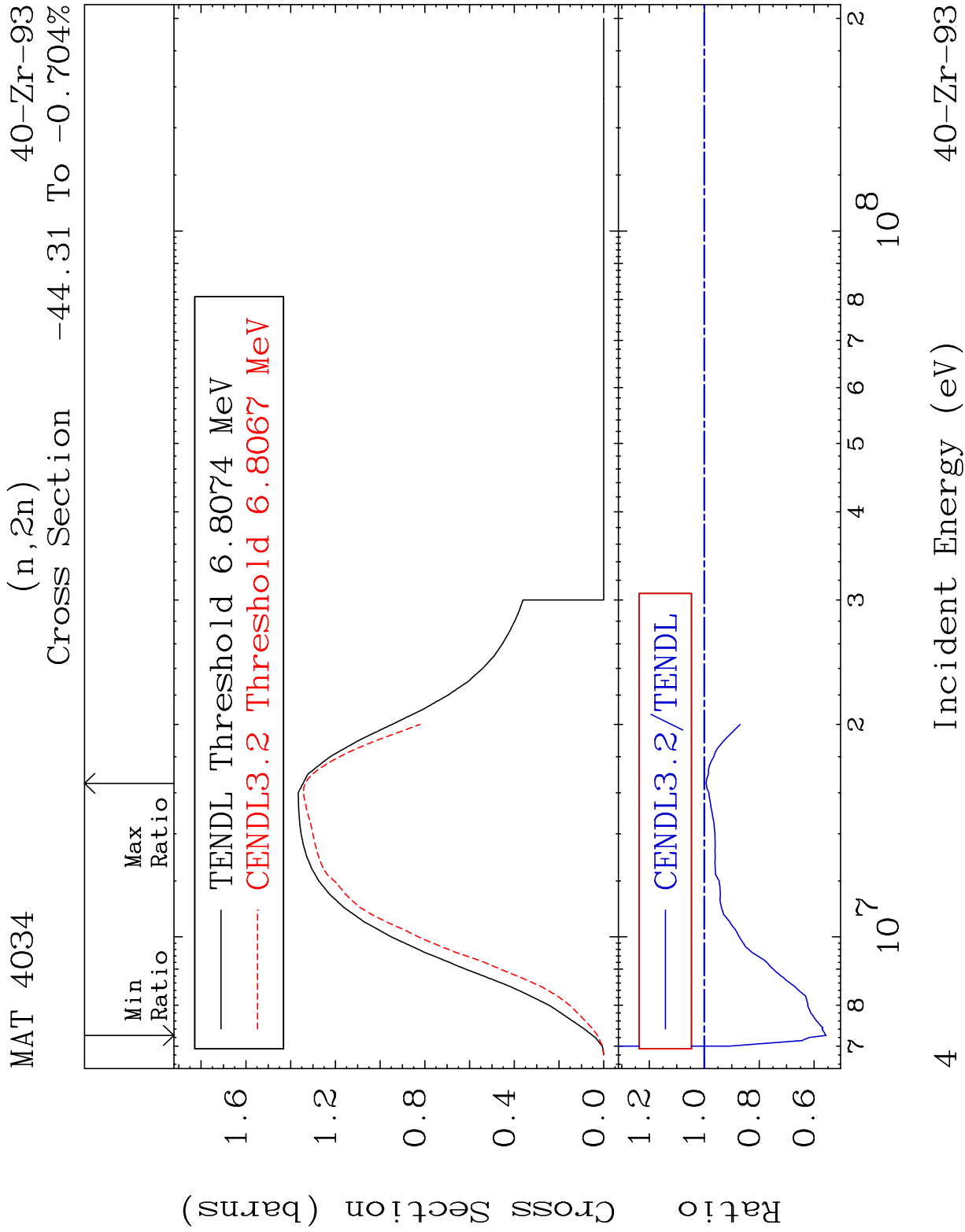
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

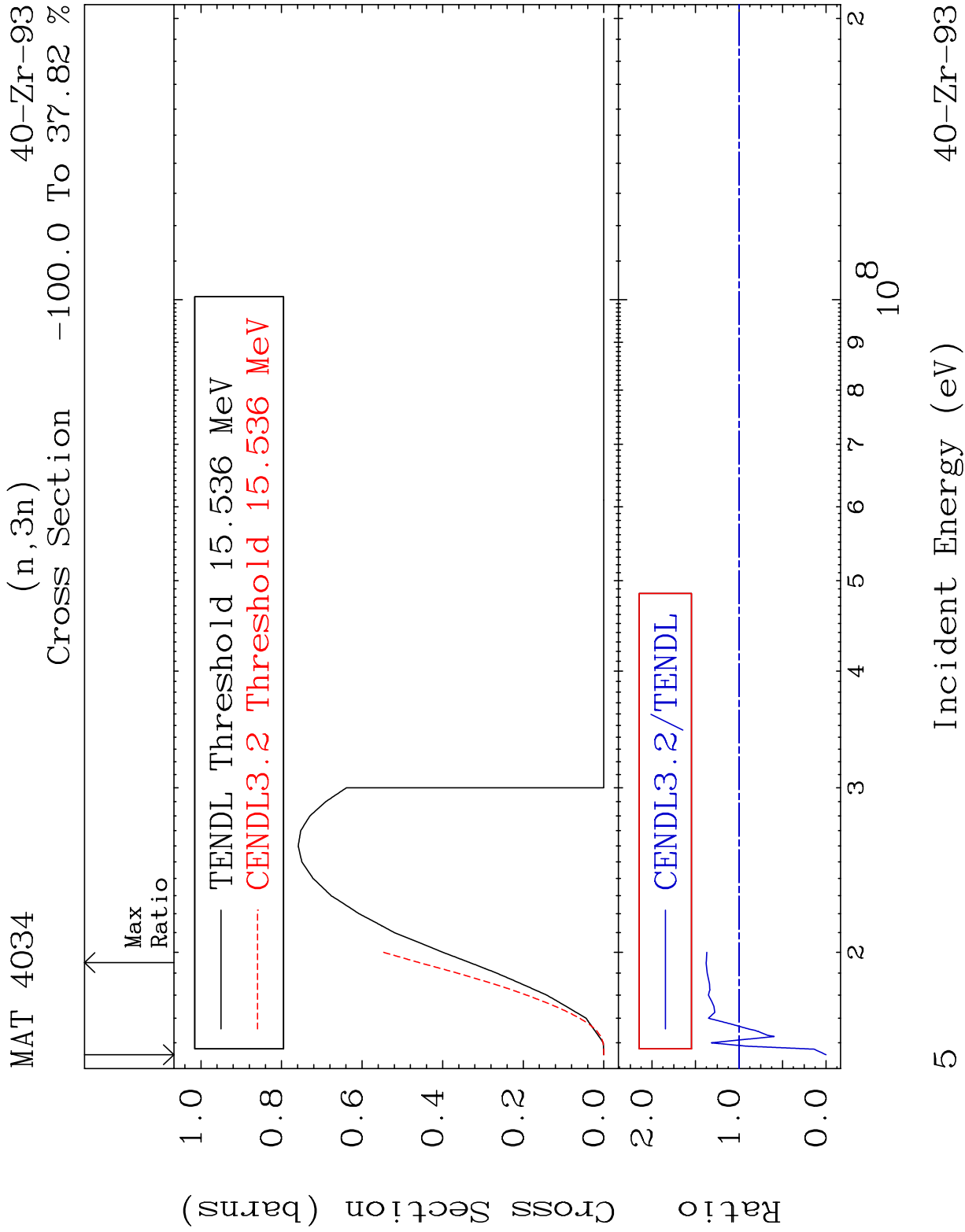
Press Mouse Button to Start

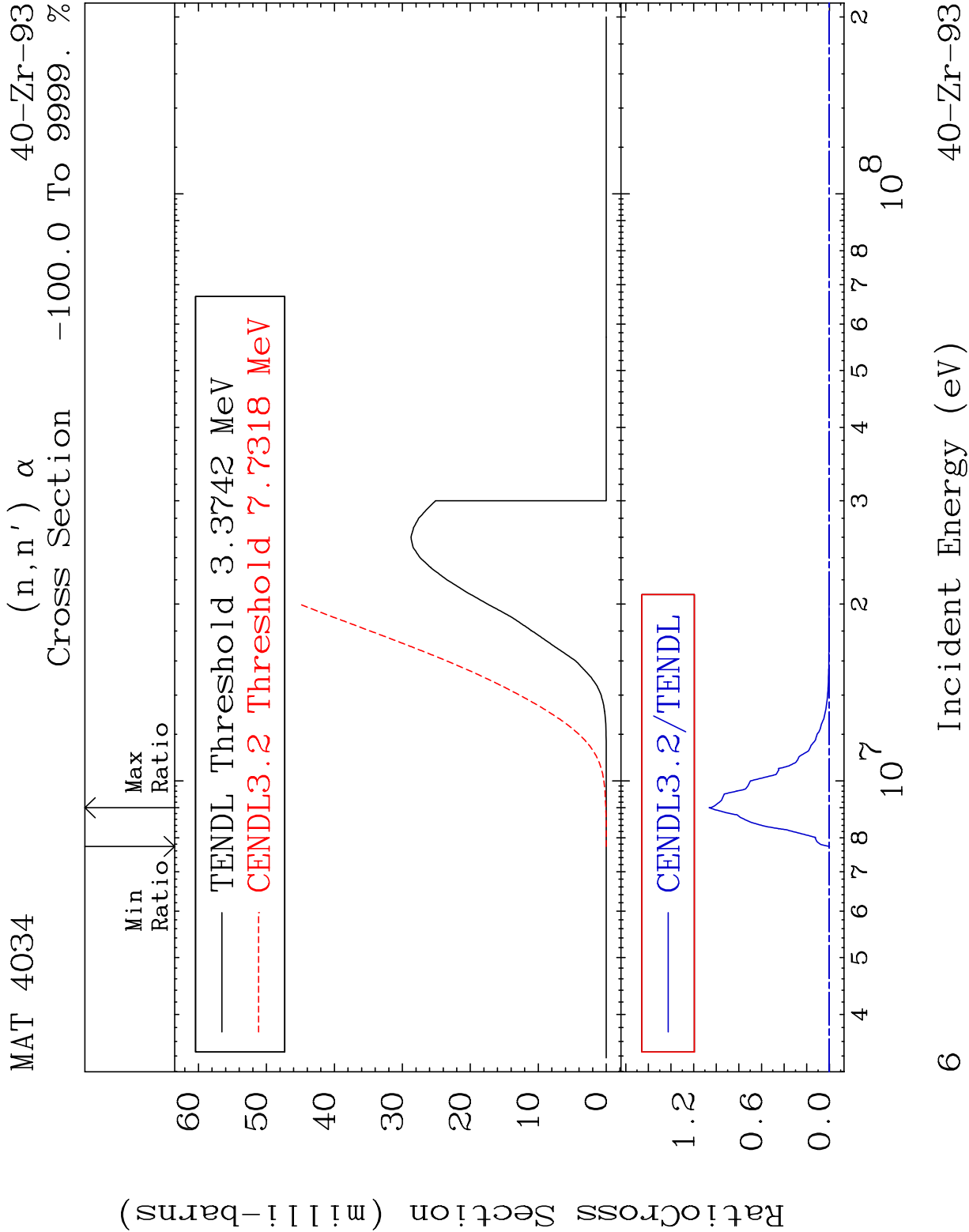


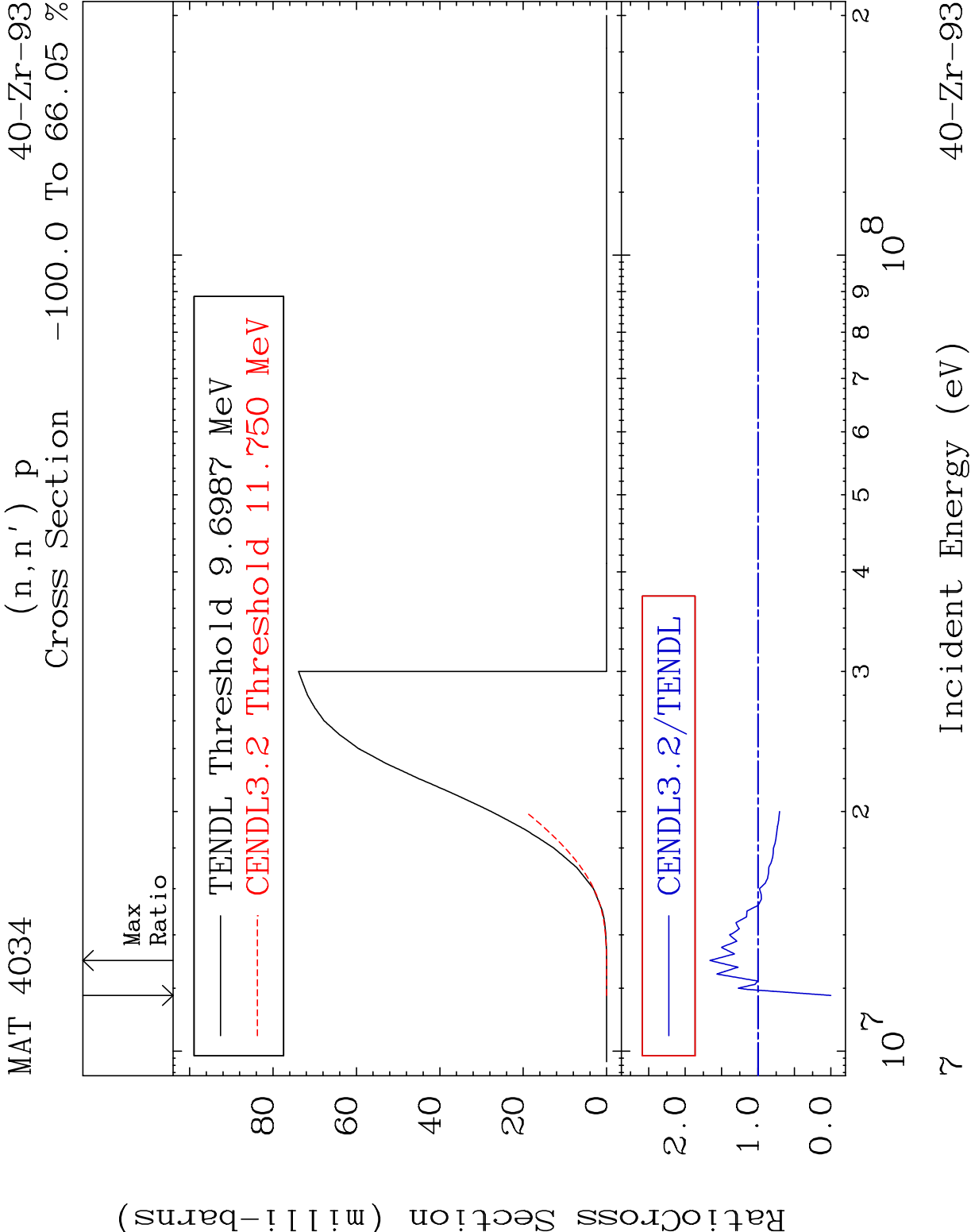












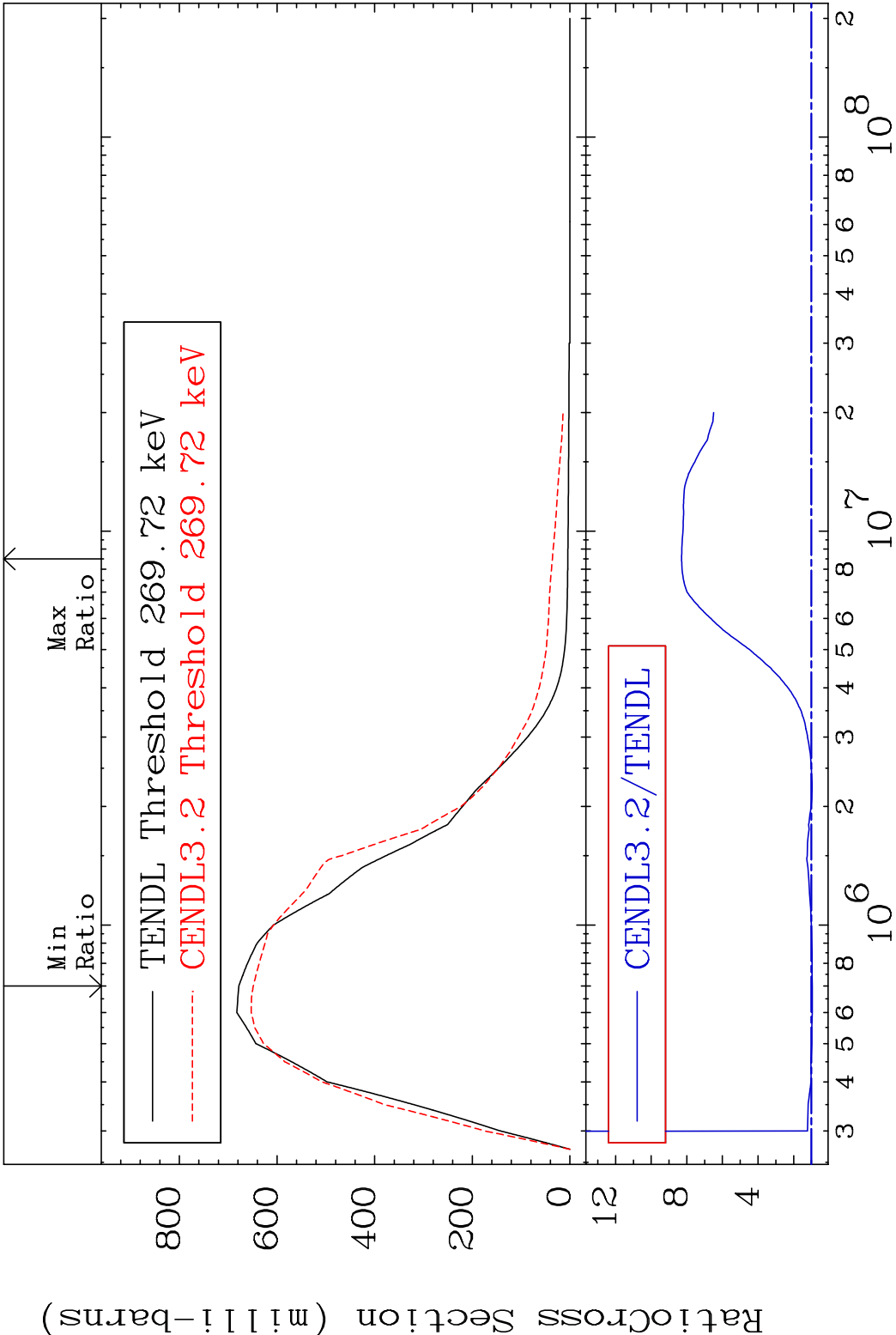
MAT 4034

MT= 51 (n,n') Level

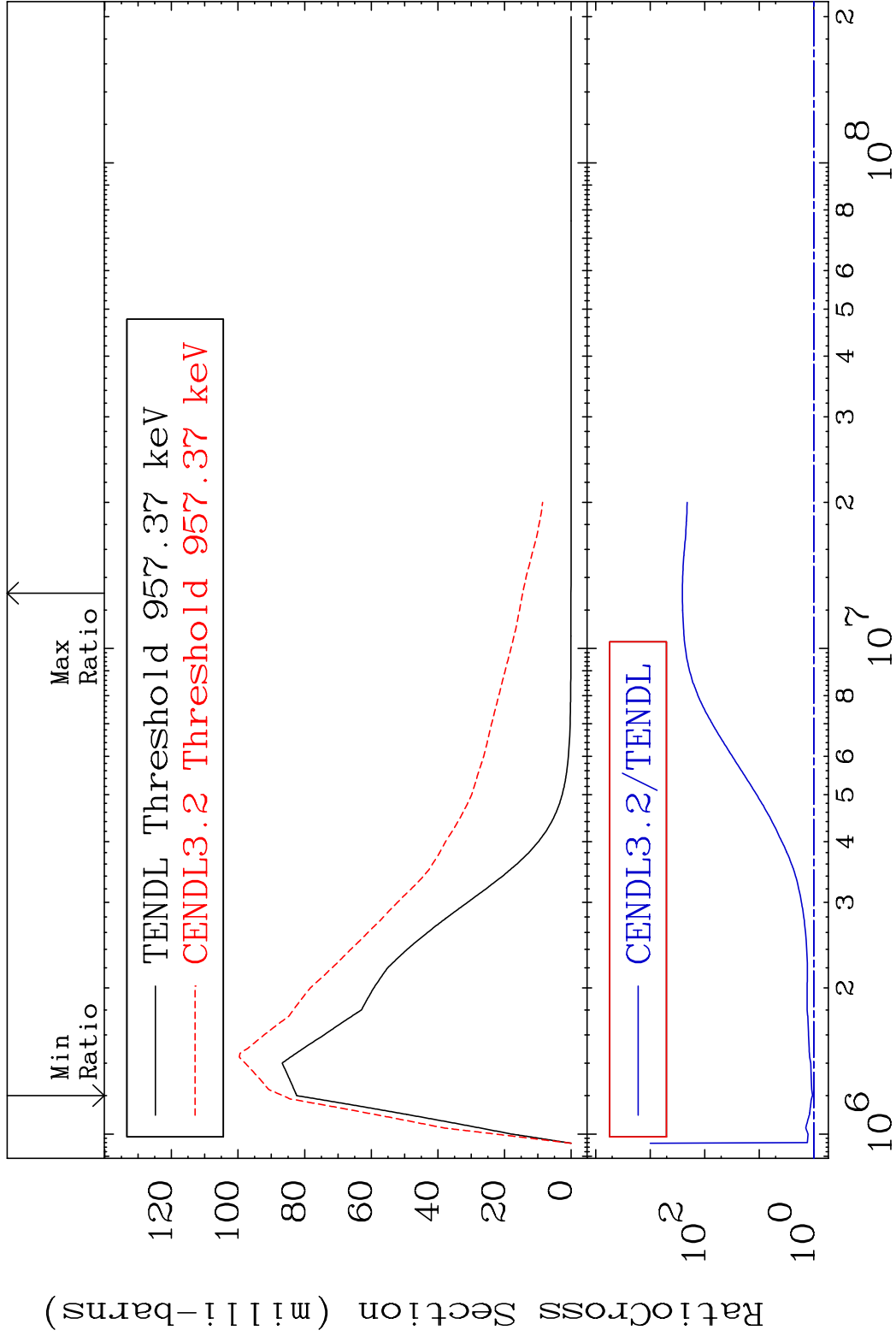
40-Zr-93

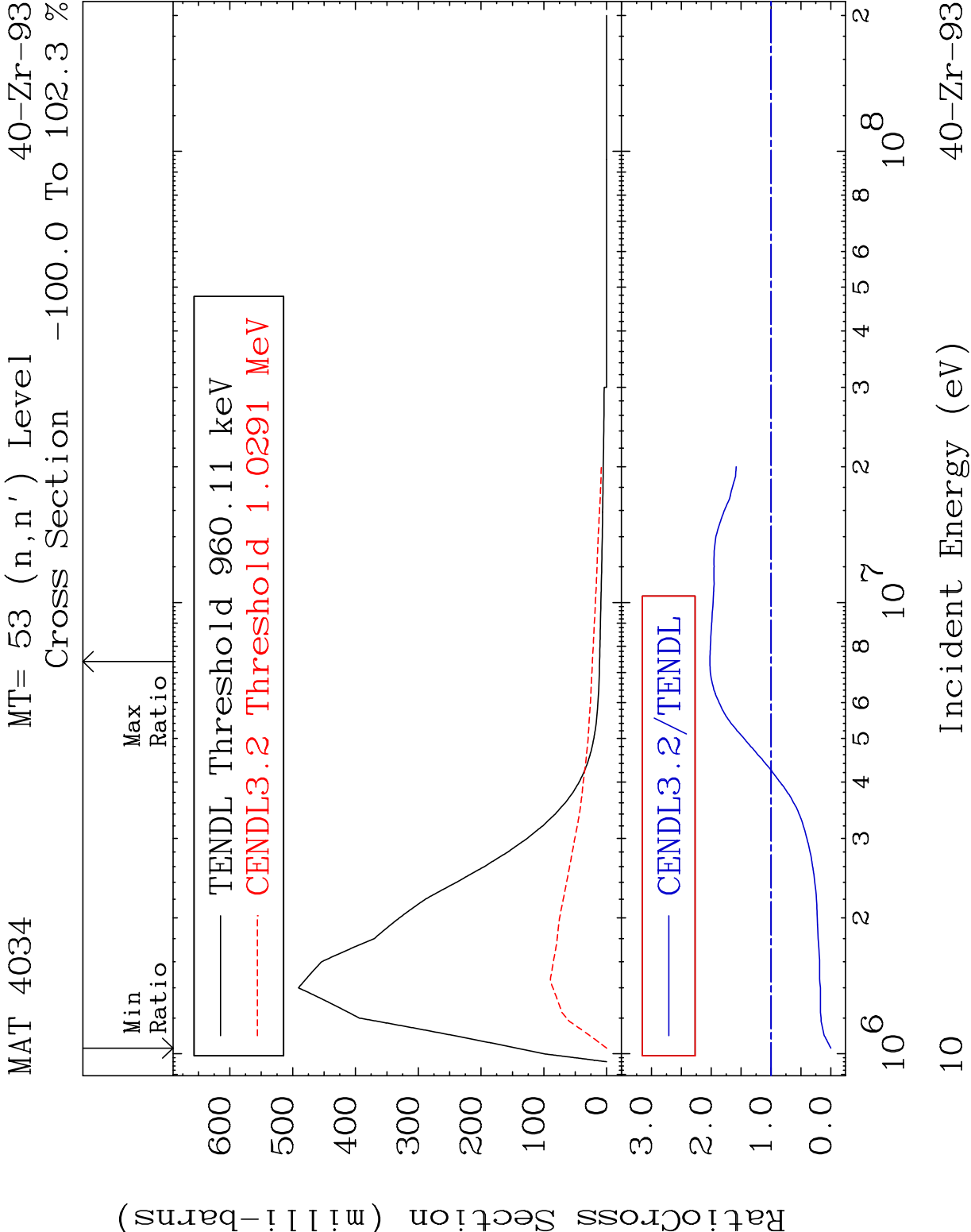
Cross Section

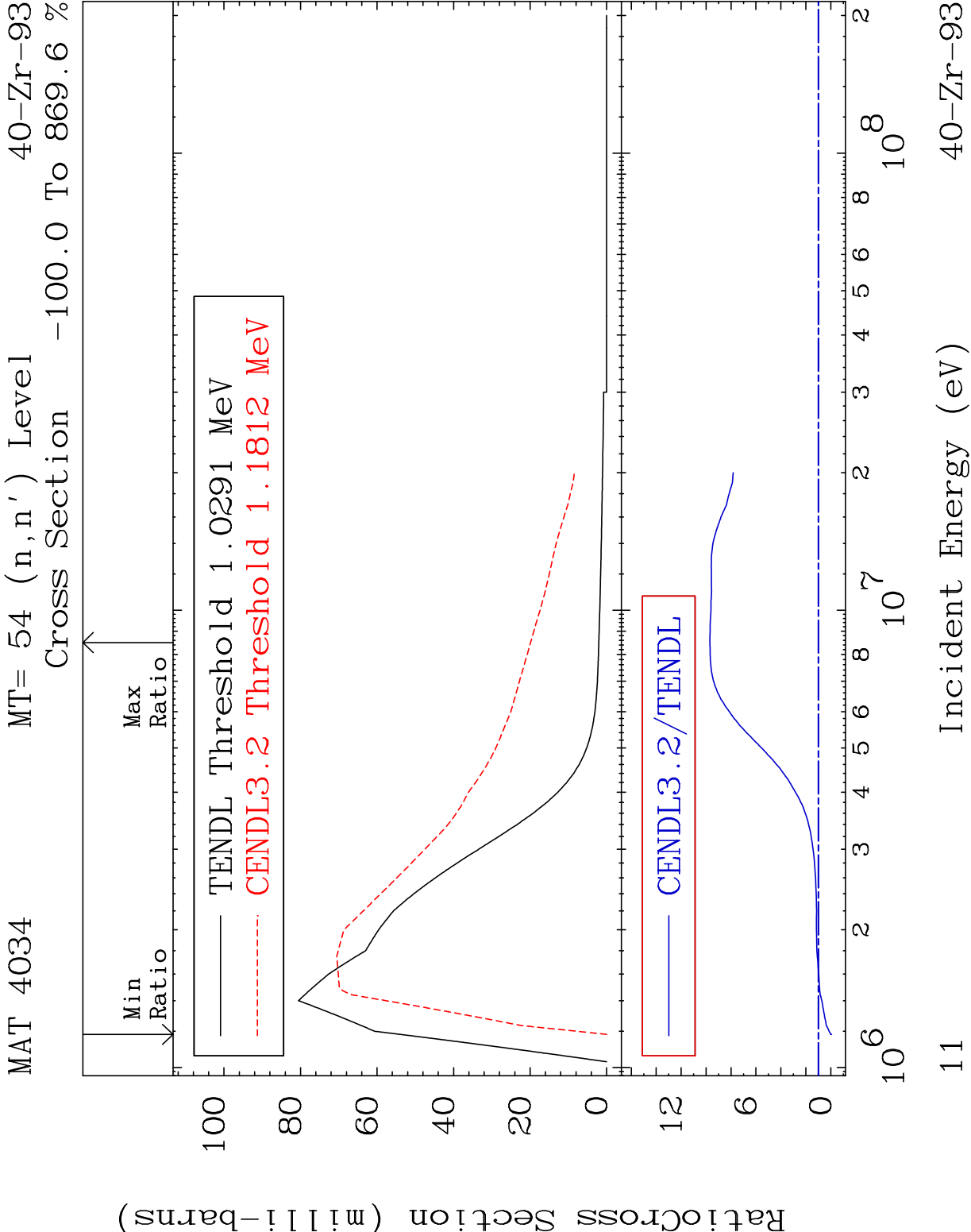
-4.380 To 729.7 %

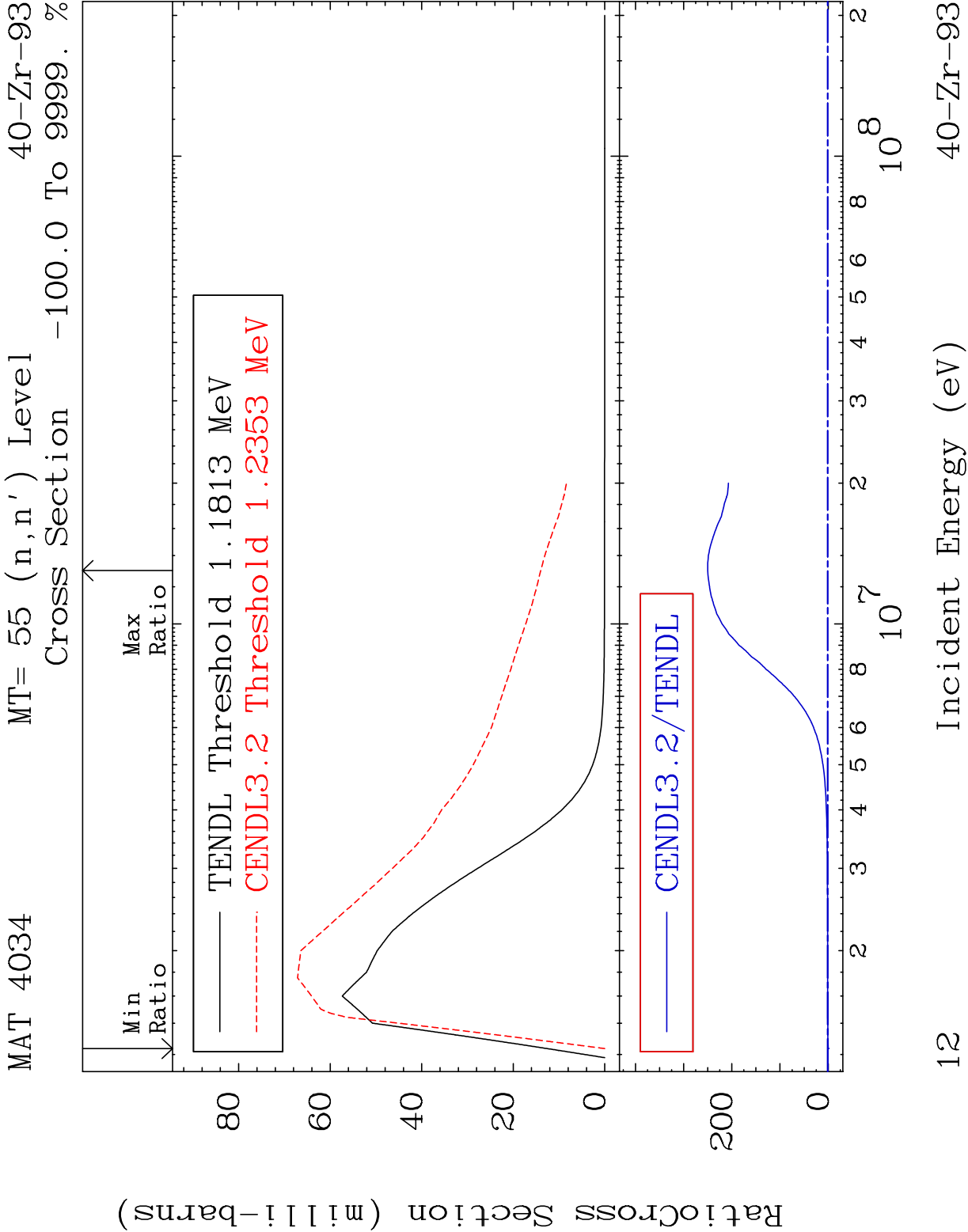


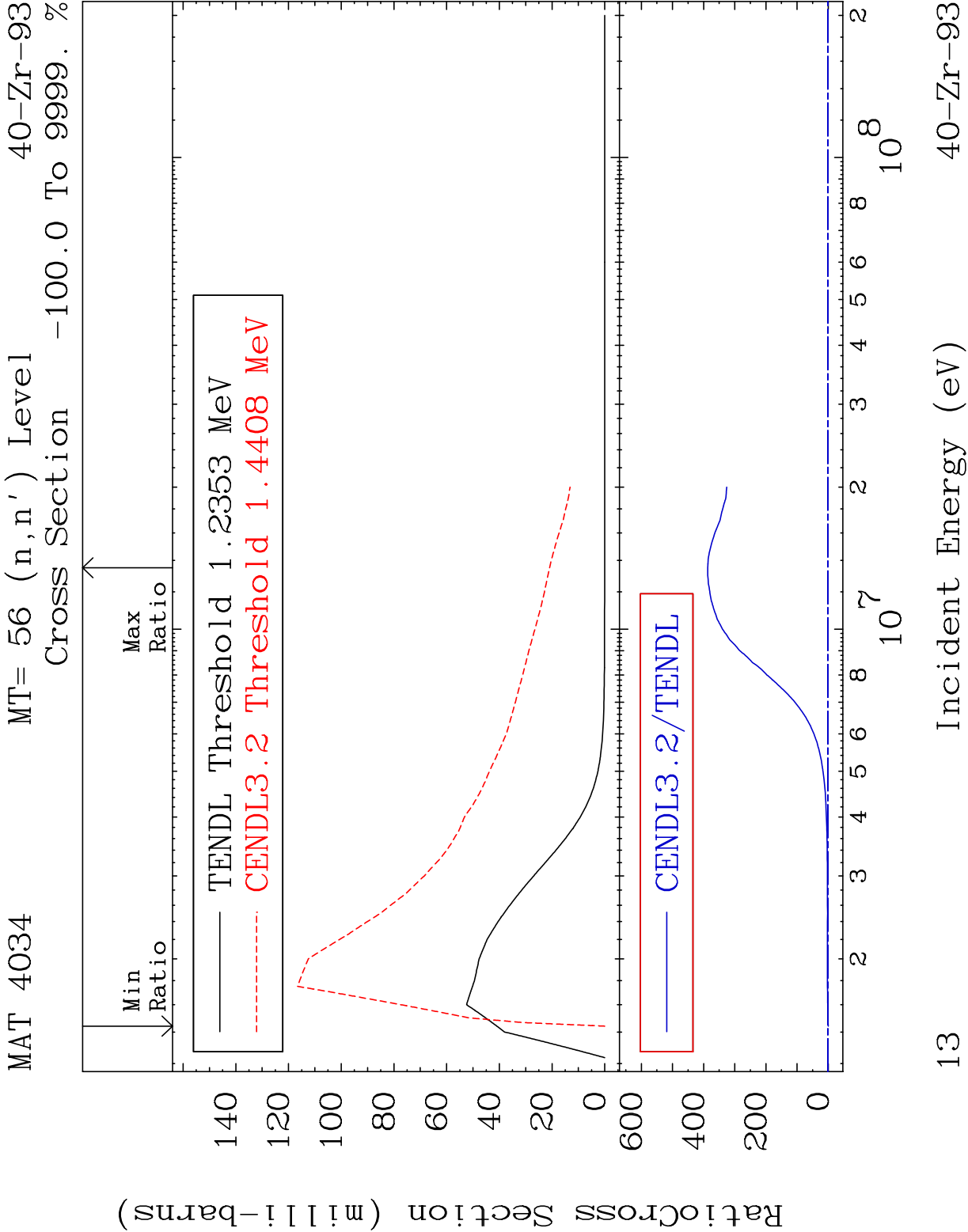
MAT 4034 MT= 52 (n,n') Level 40-Zr-93
Cross Section 5.062 To 9999. %









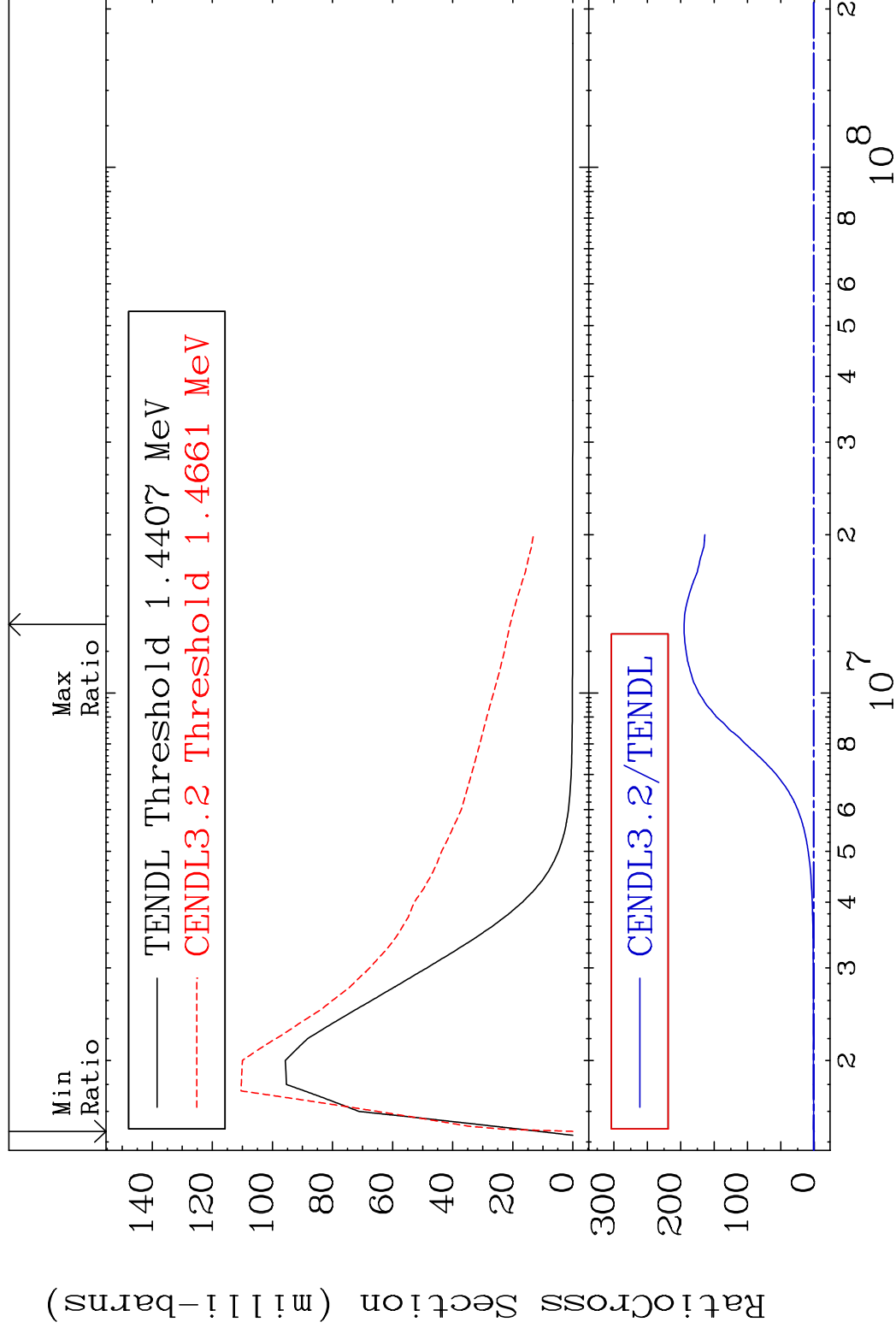


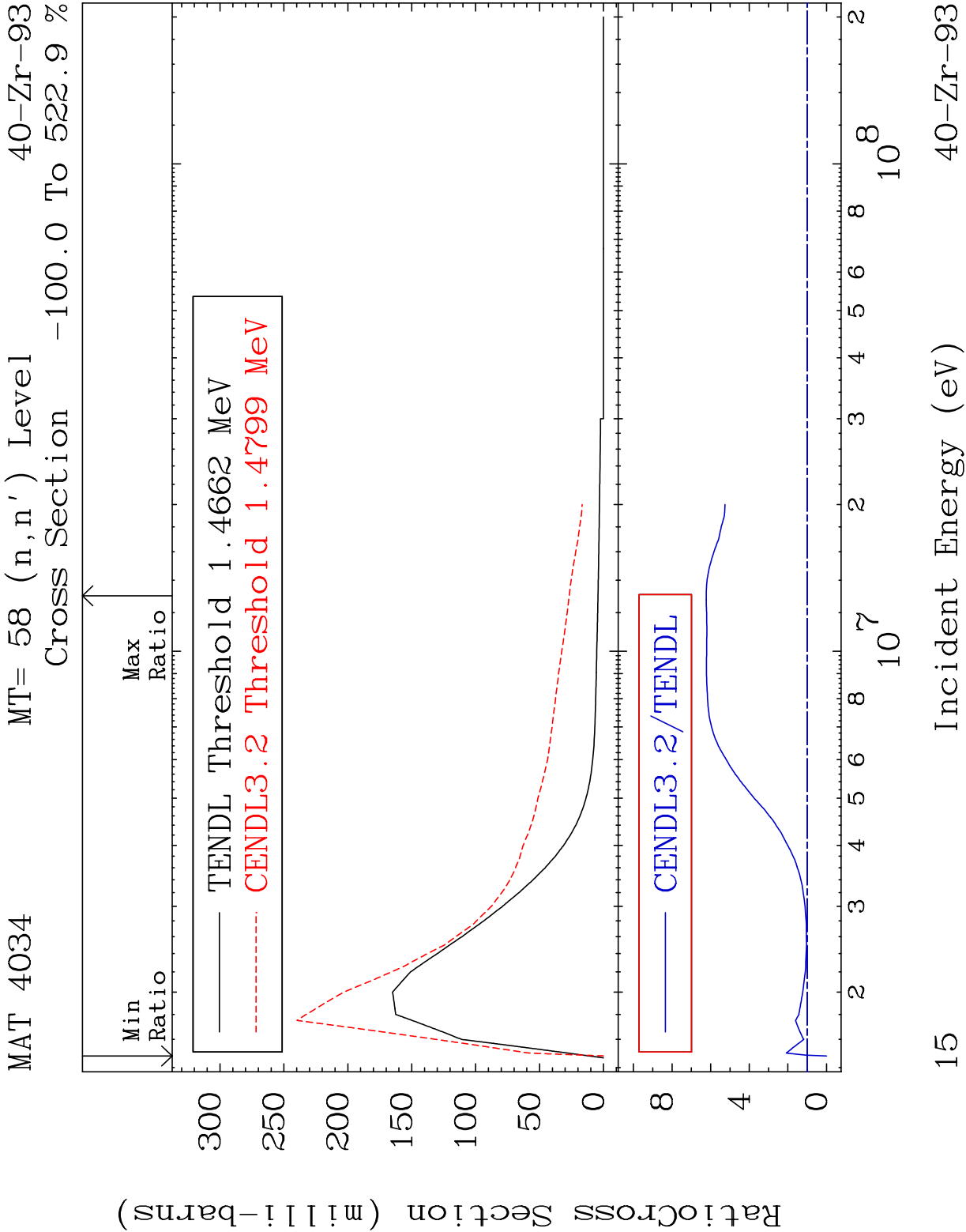
MAT 4034

MT= 57 (n, n') Level

40-Zr-93

Cross Section -100.0 To 9999. %





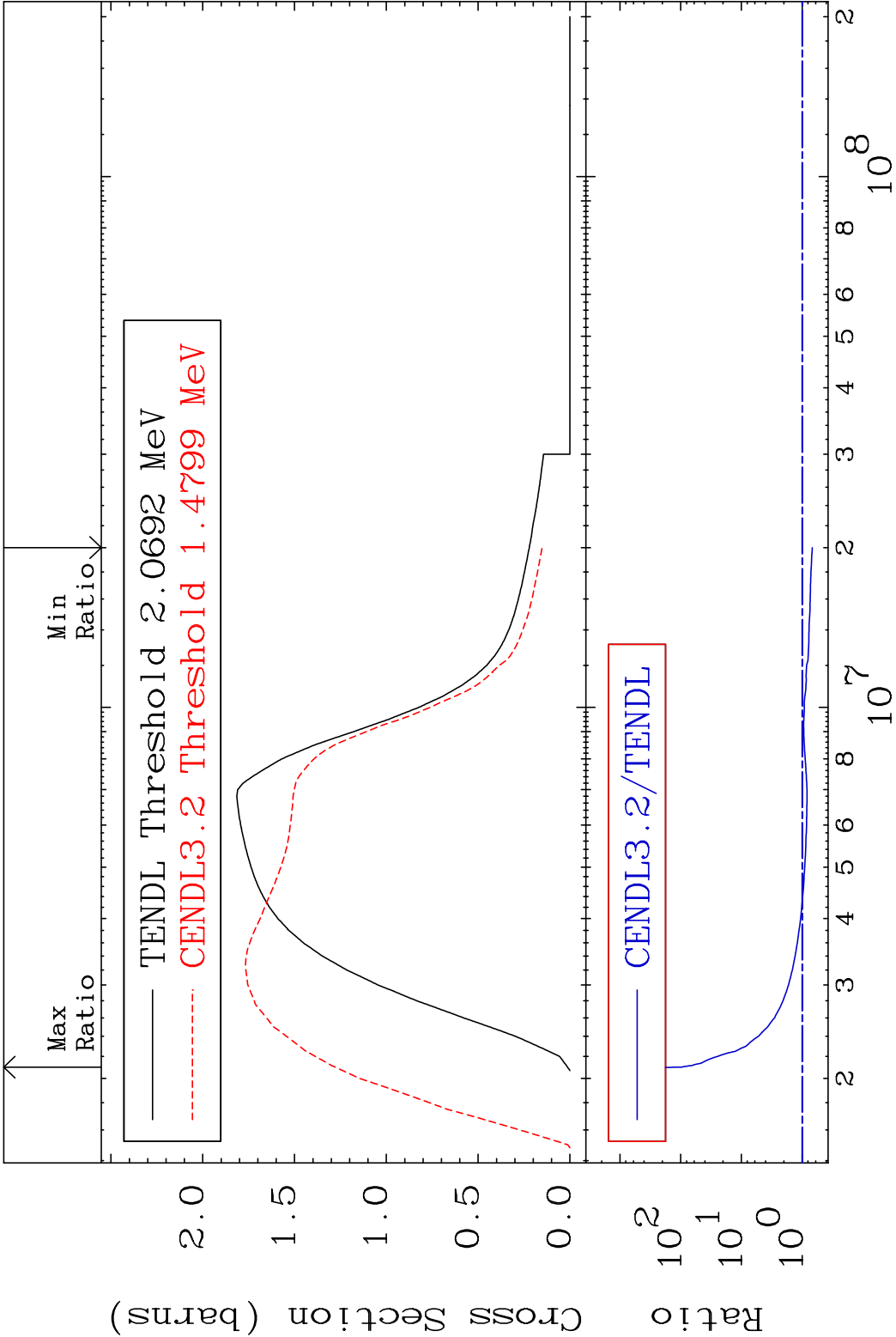
MAT 4034

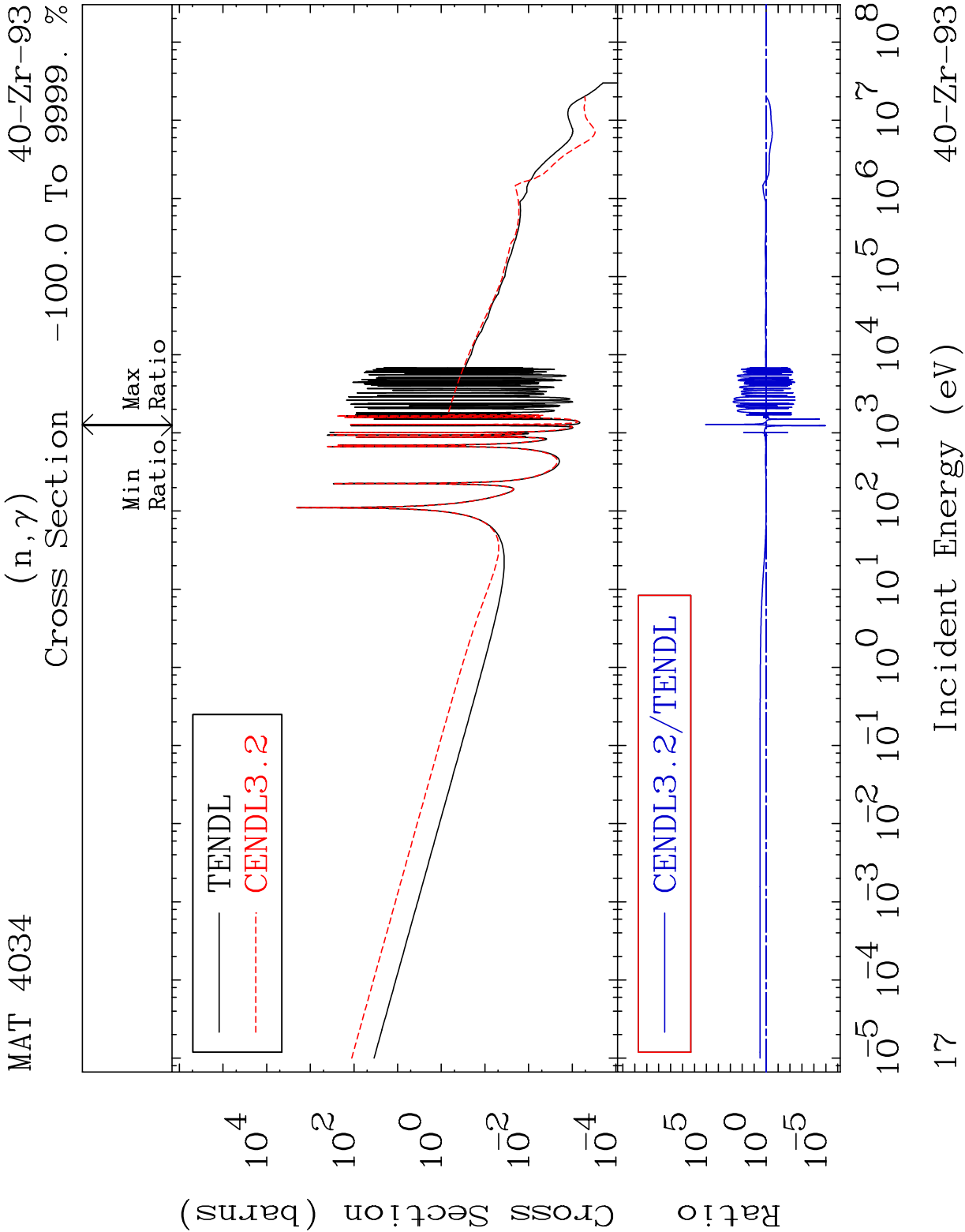
(n,n') Continuum

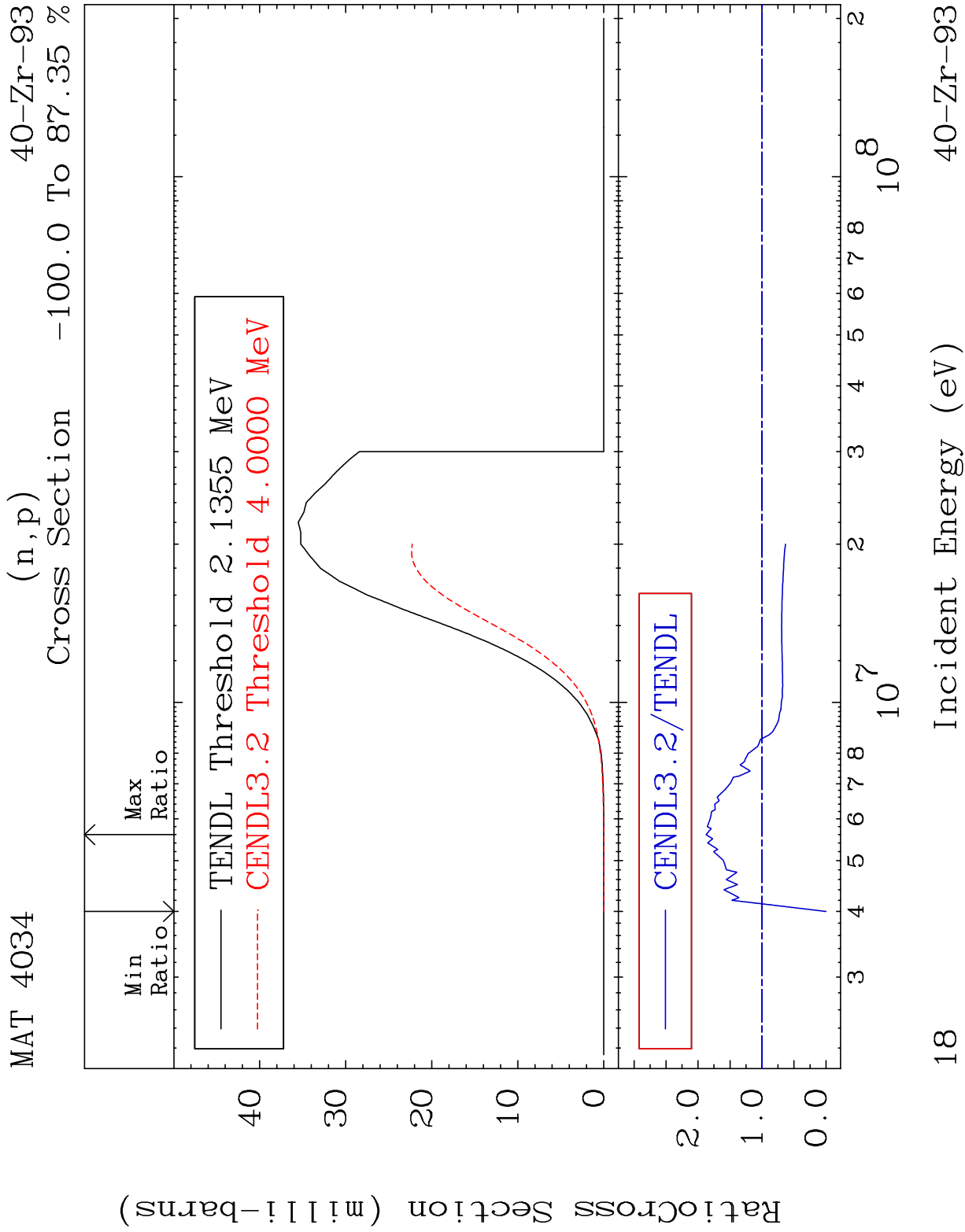
40-Zr-93

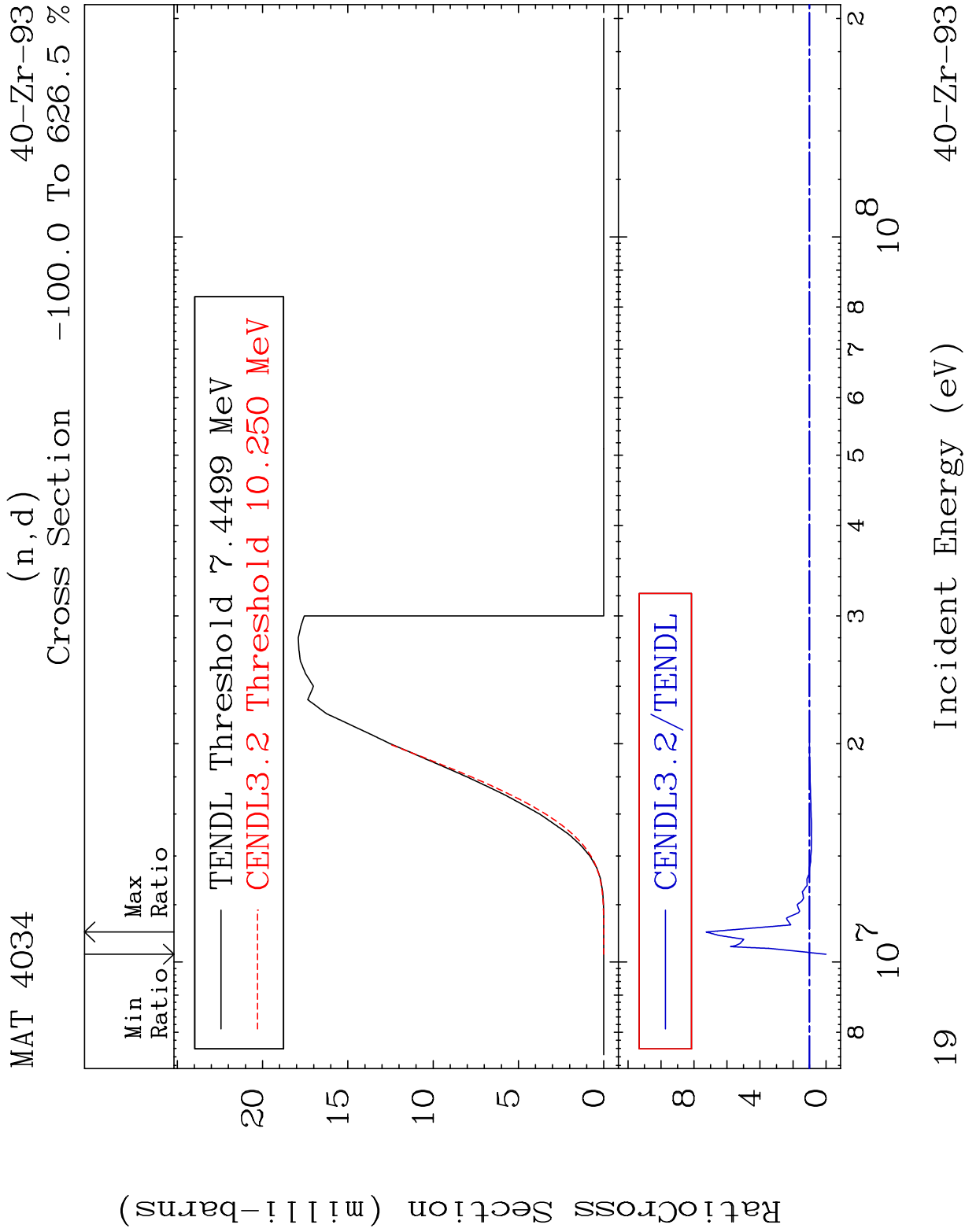
Cross Section

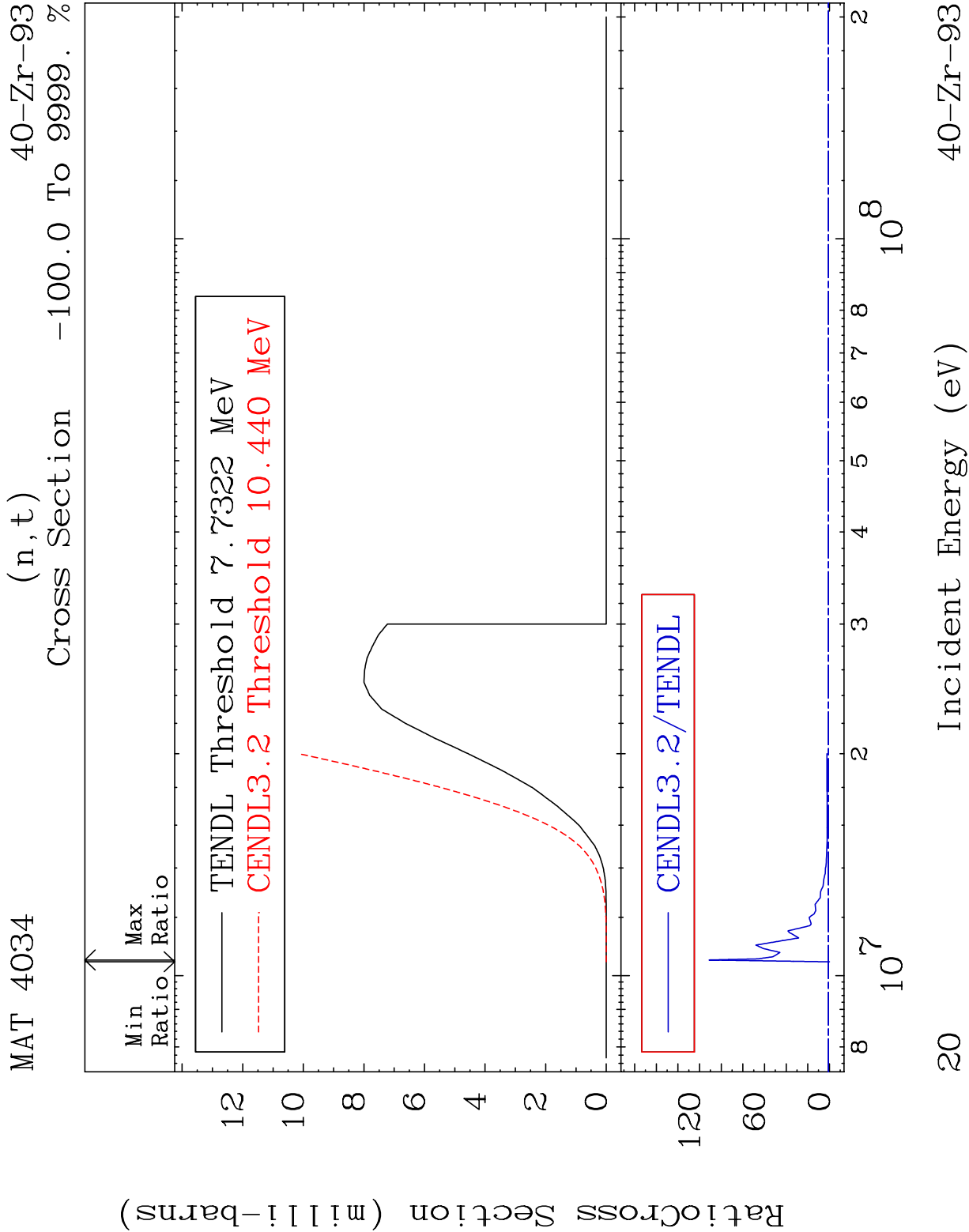
-31.77 To 9572. %

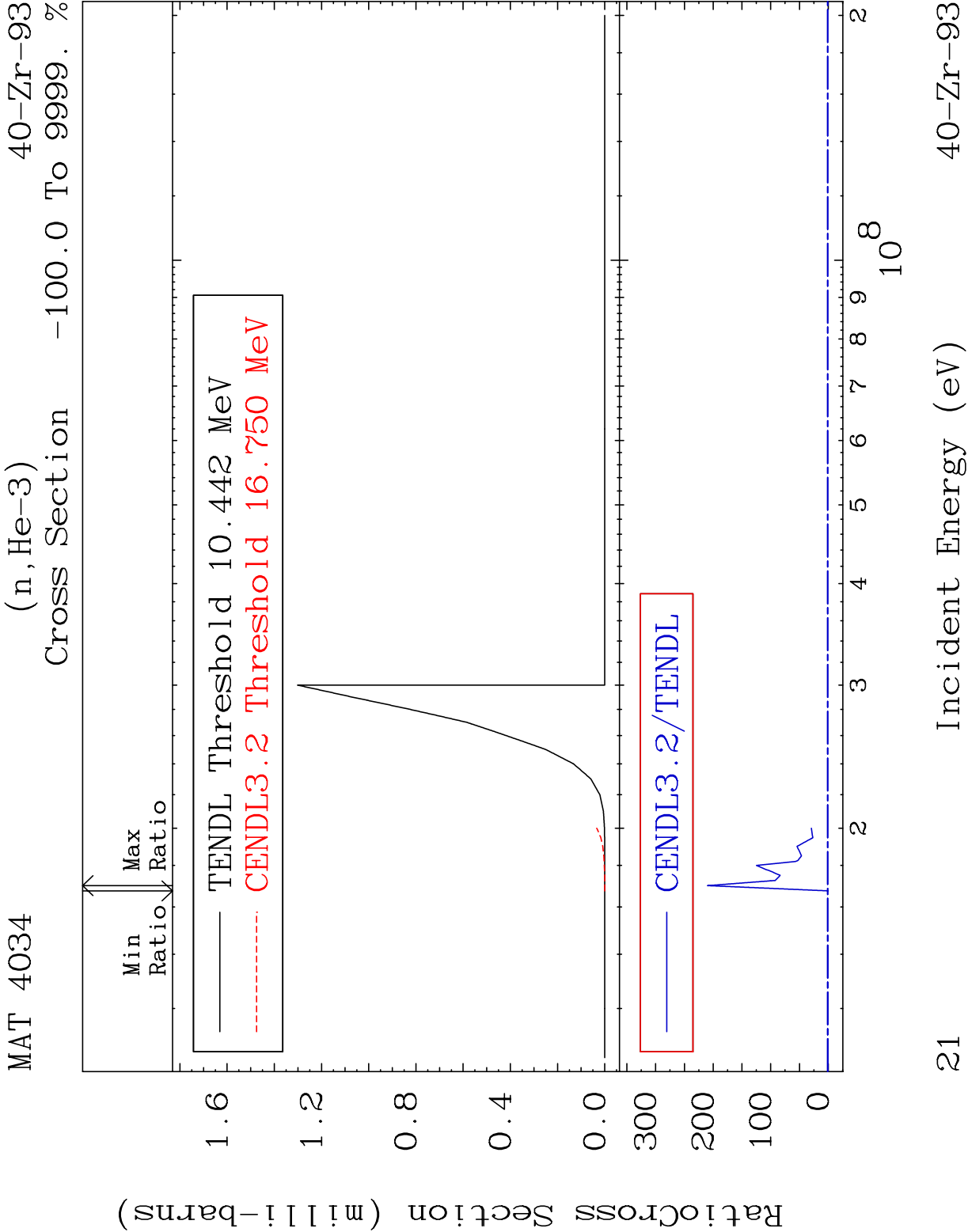


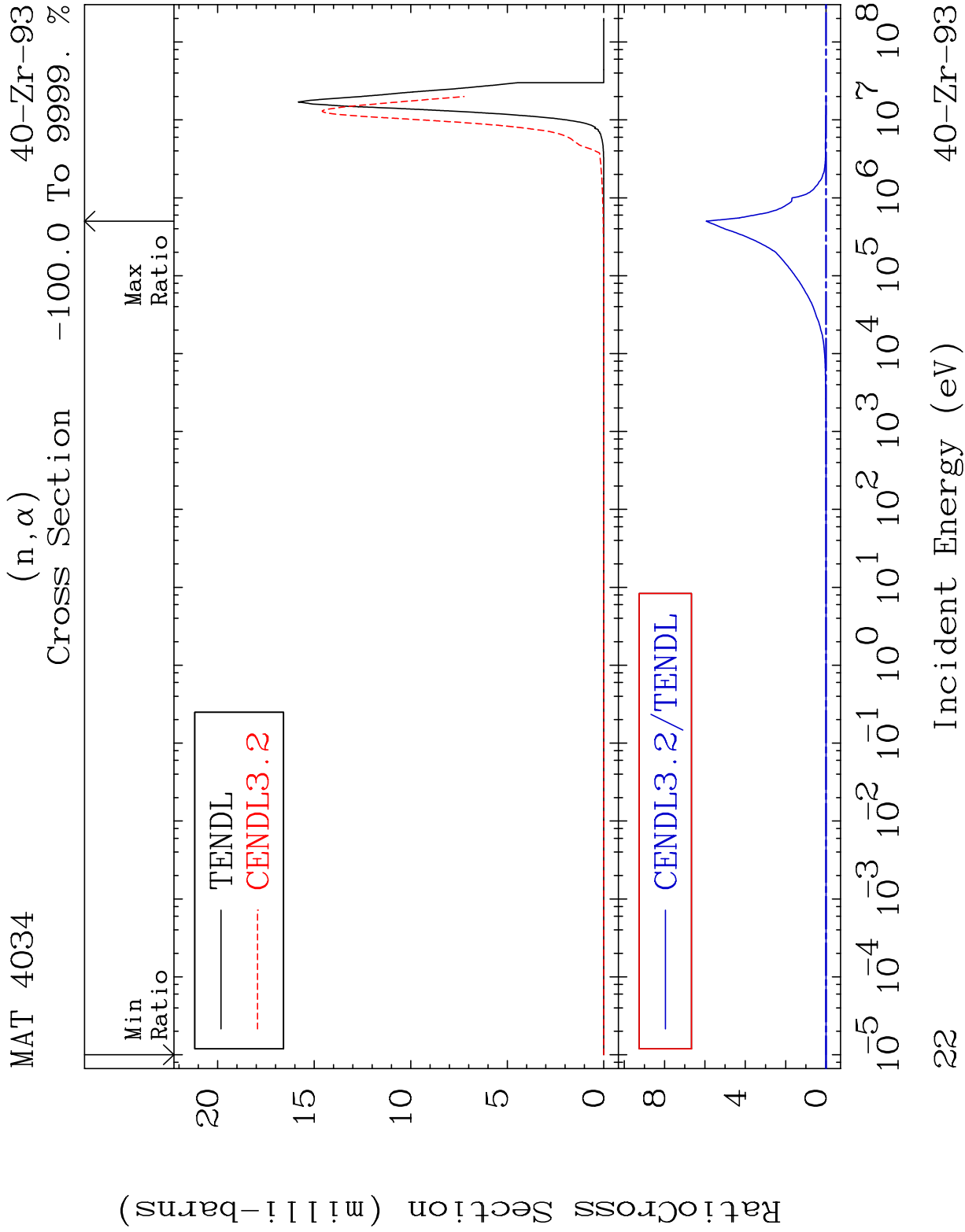


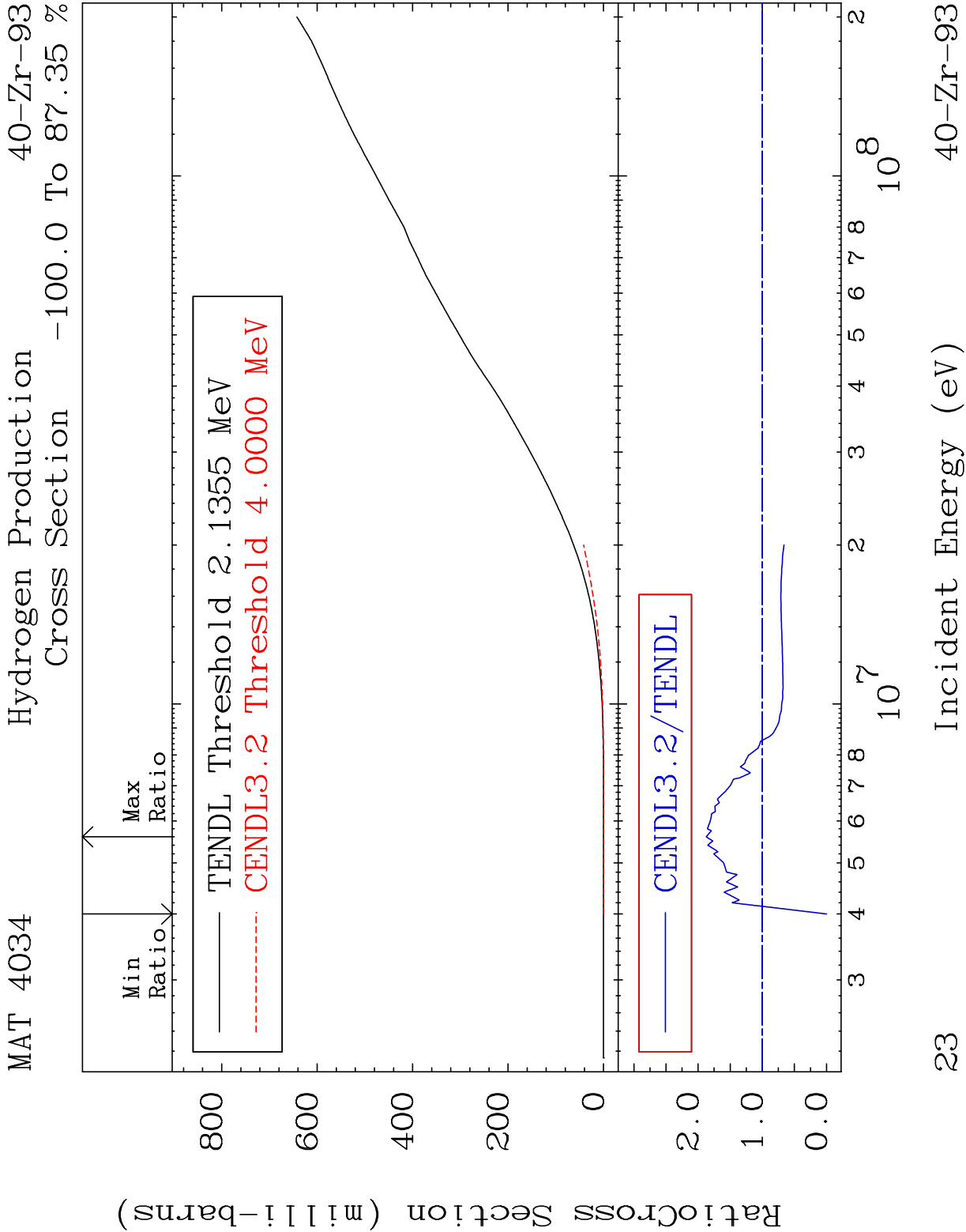




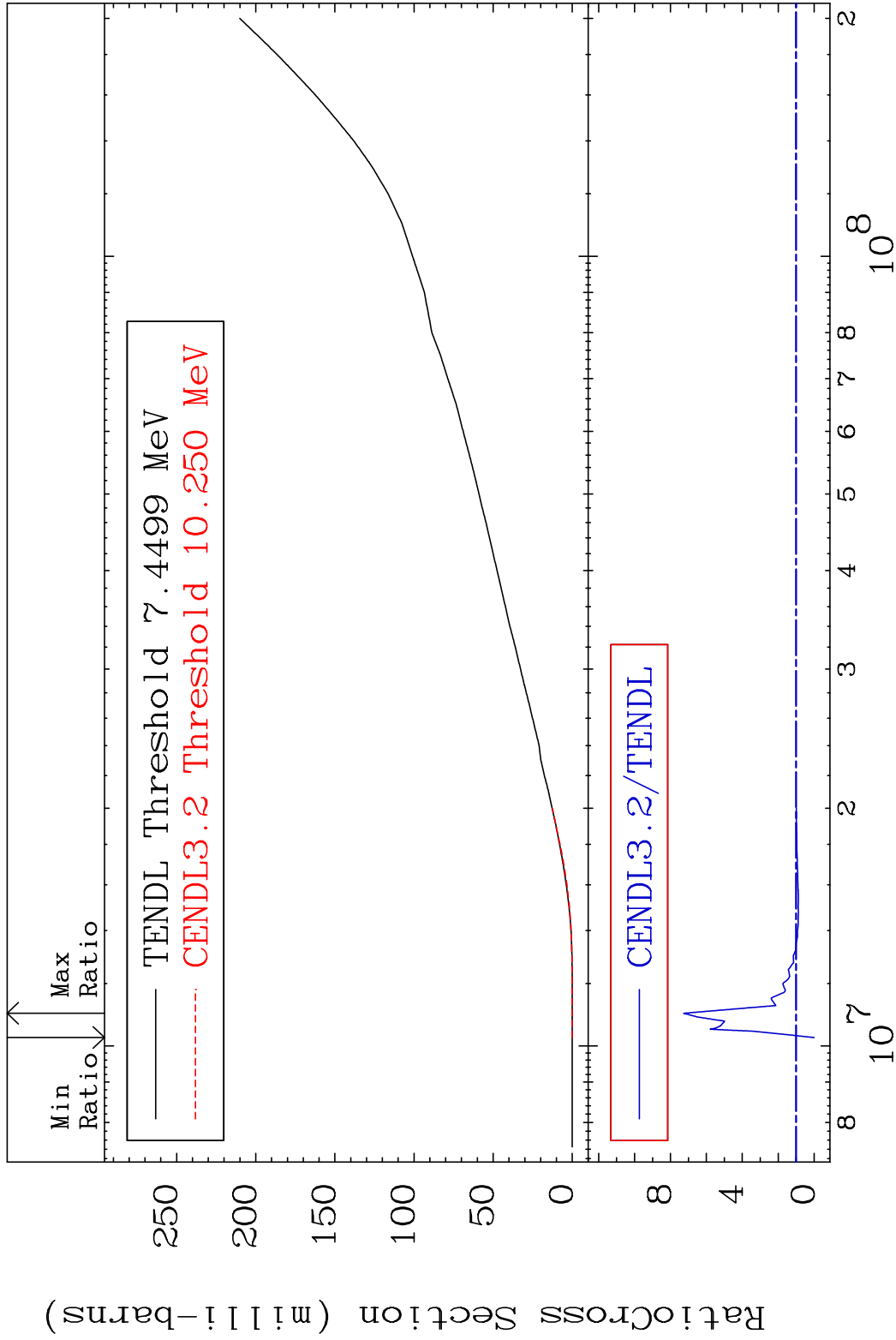


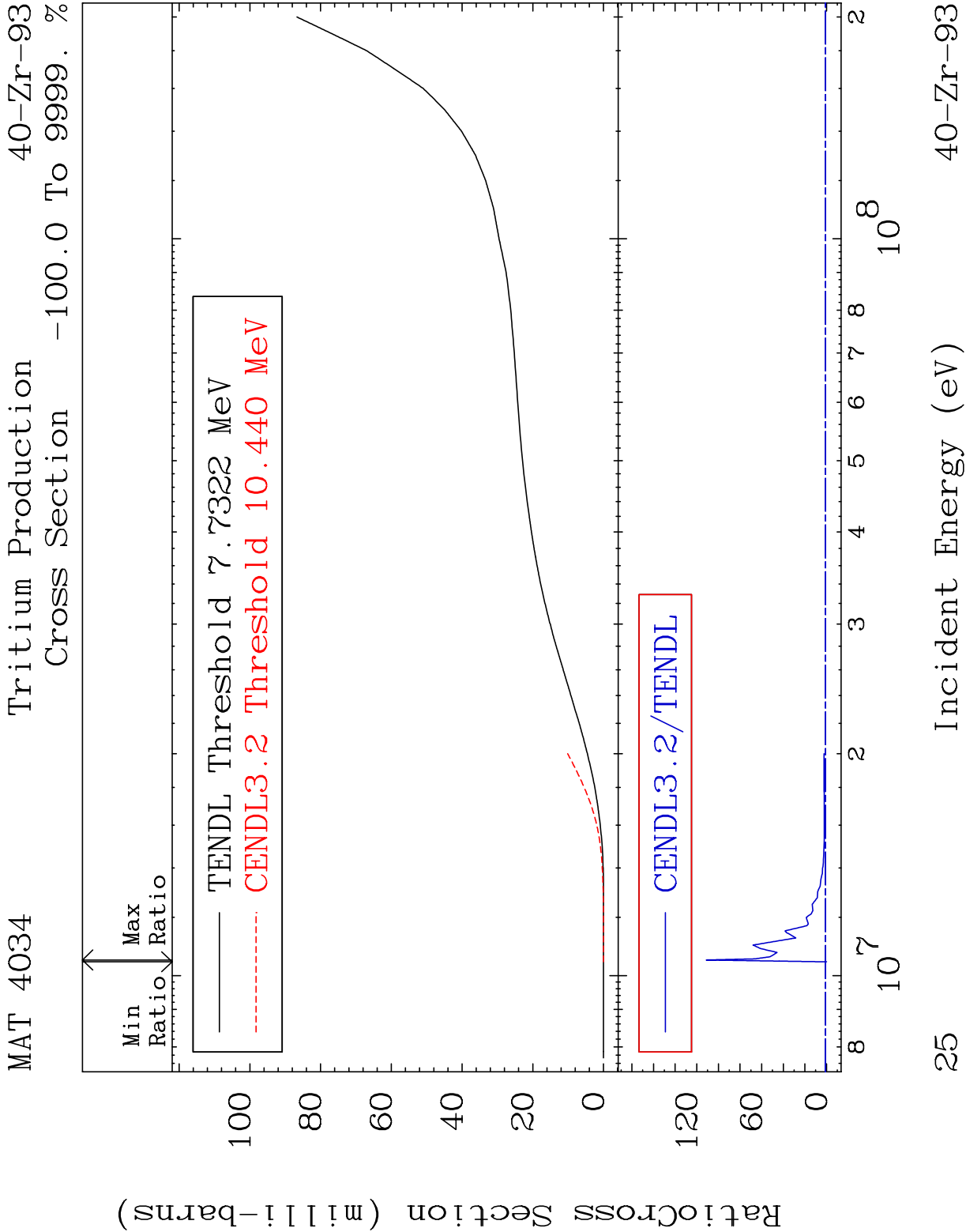


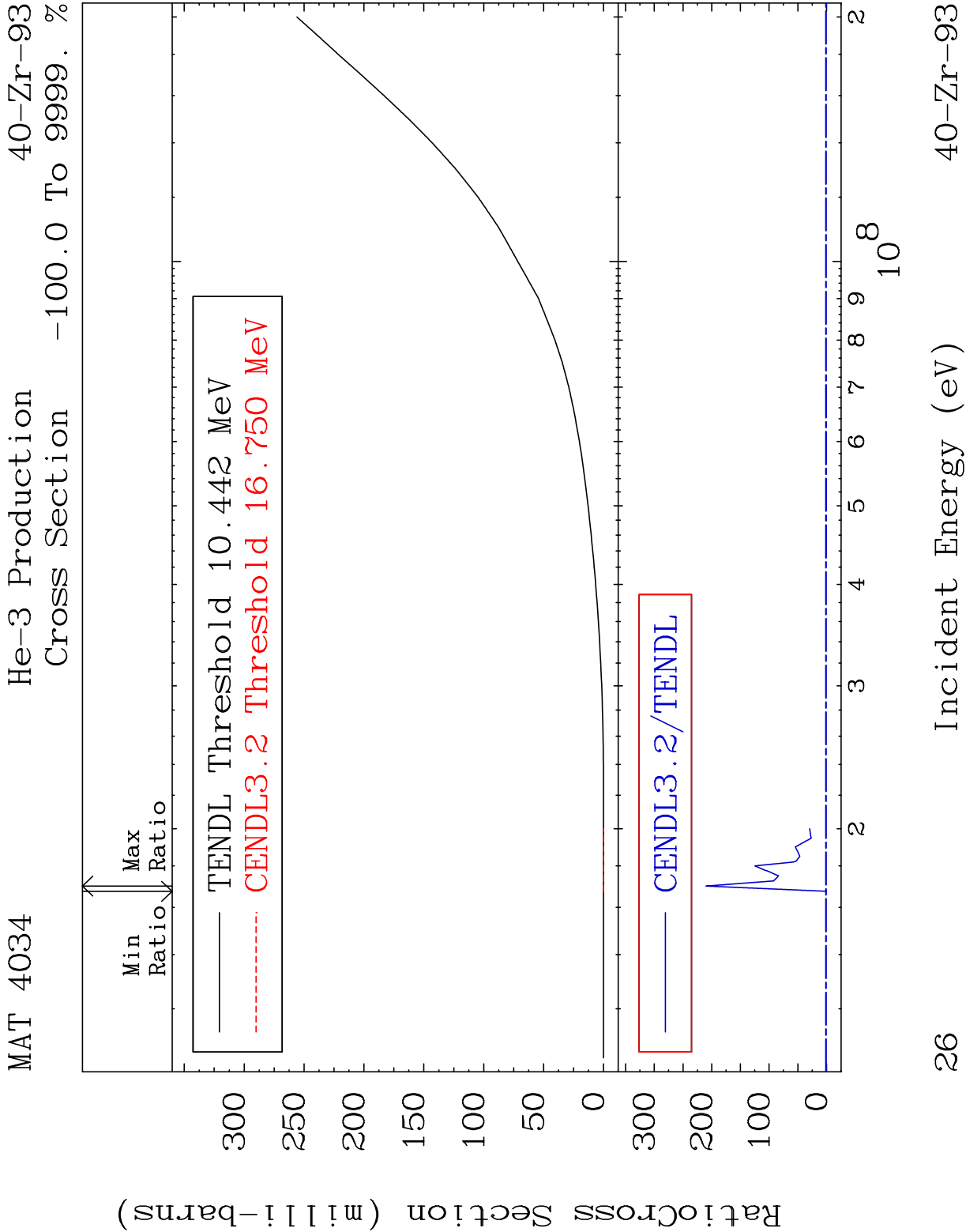


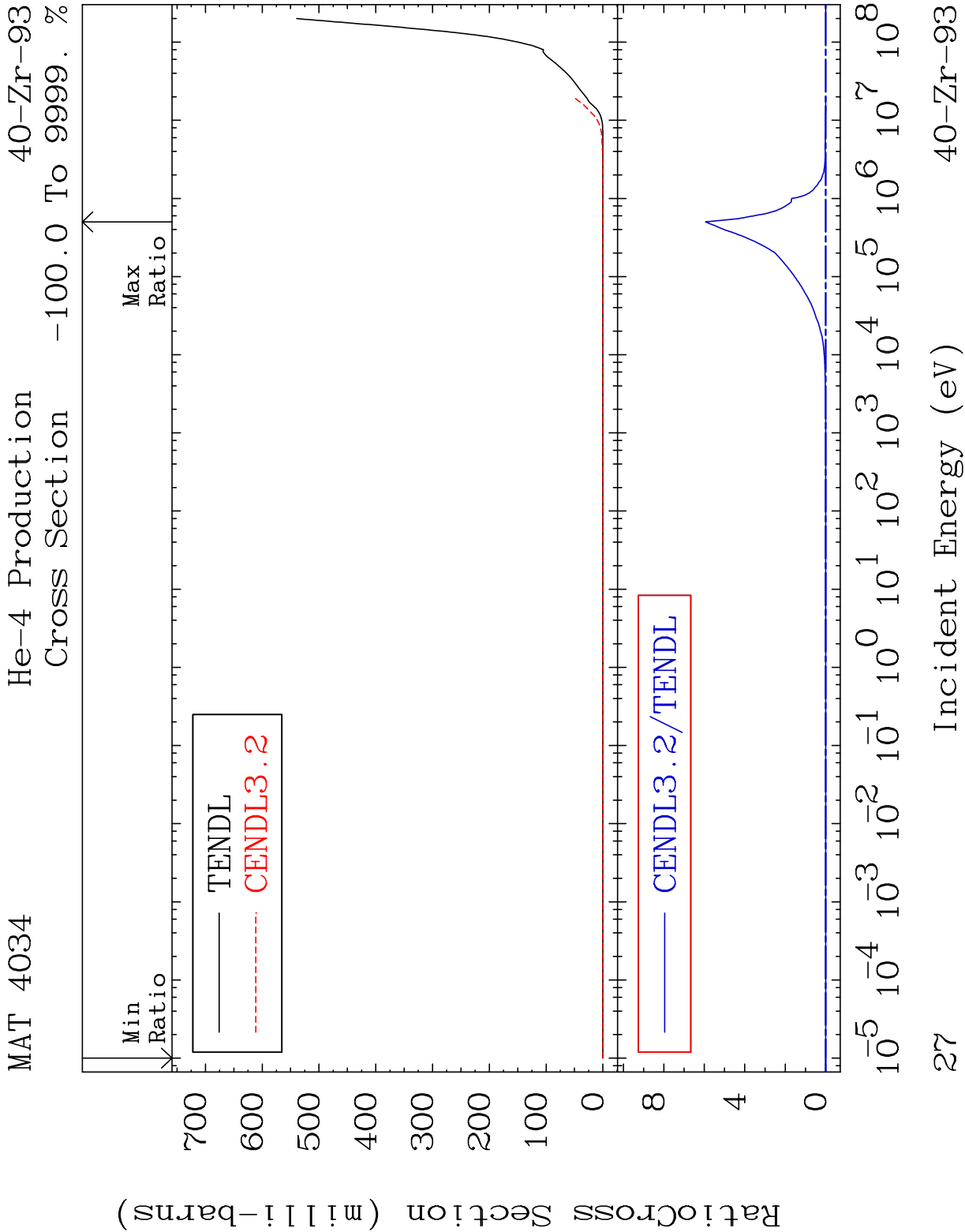


MAT 4034 Deuterium Production 40-Zr-93
Cross Section -100.0 To 626.5 %

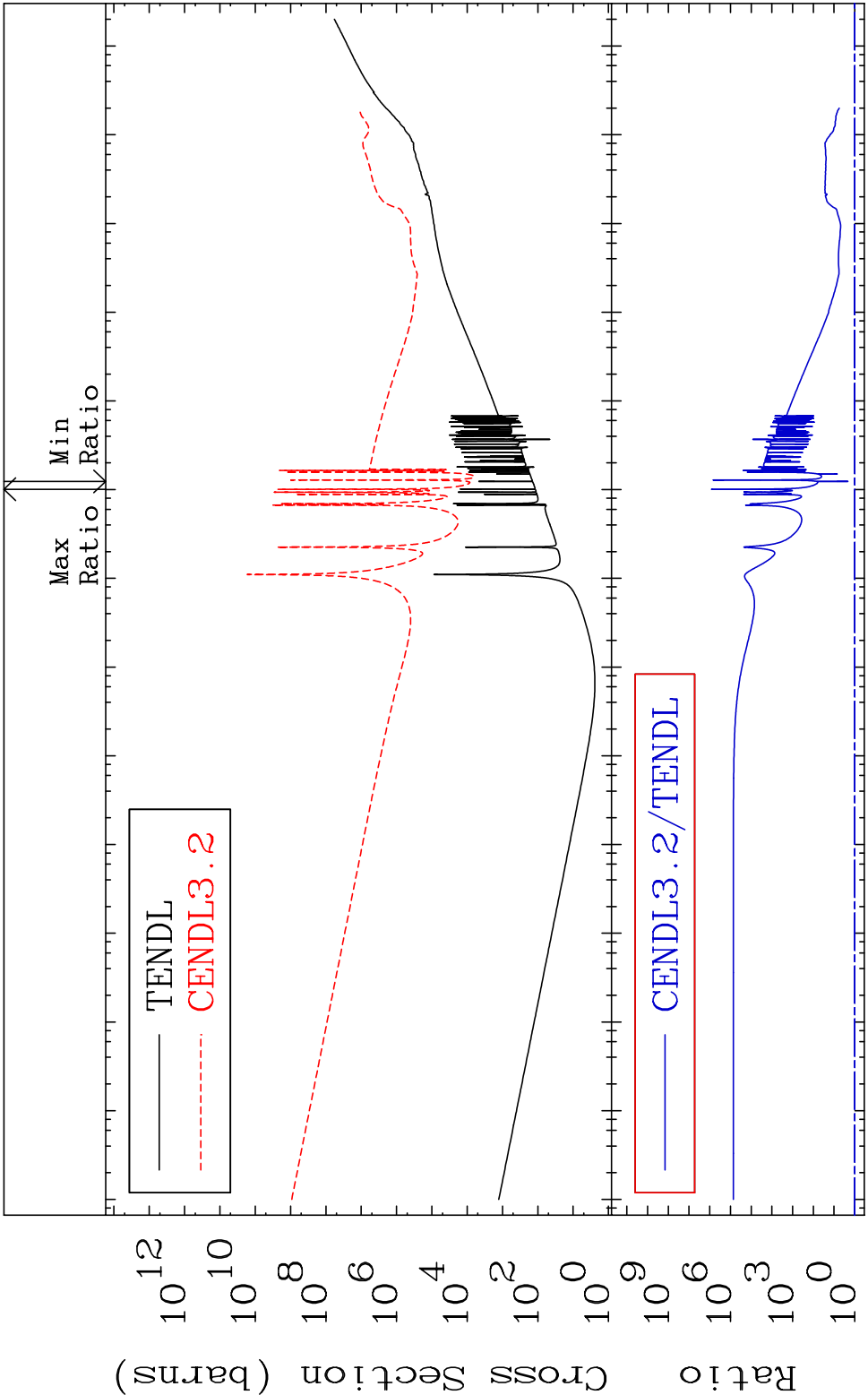


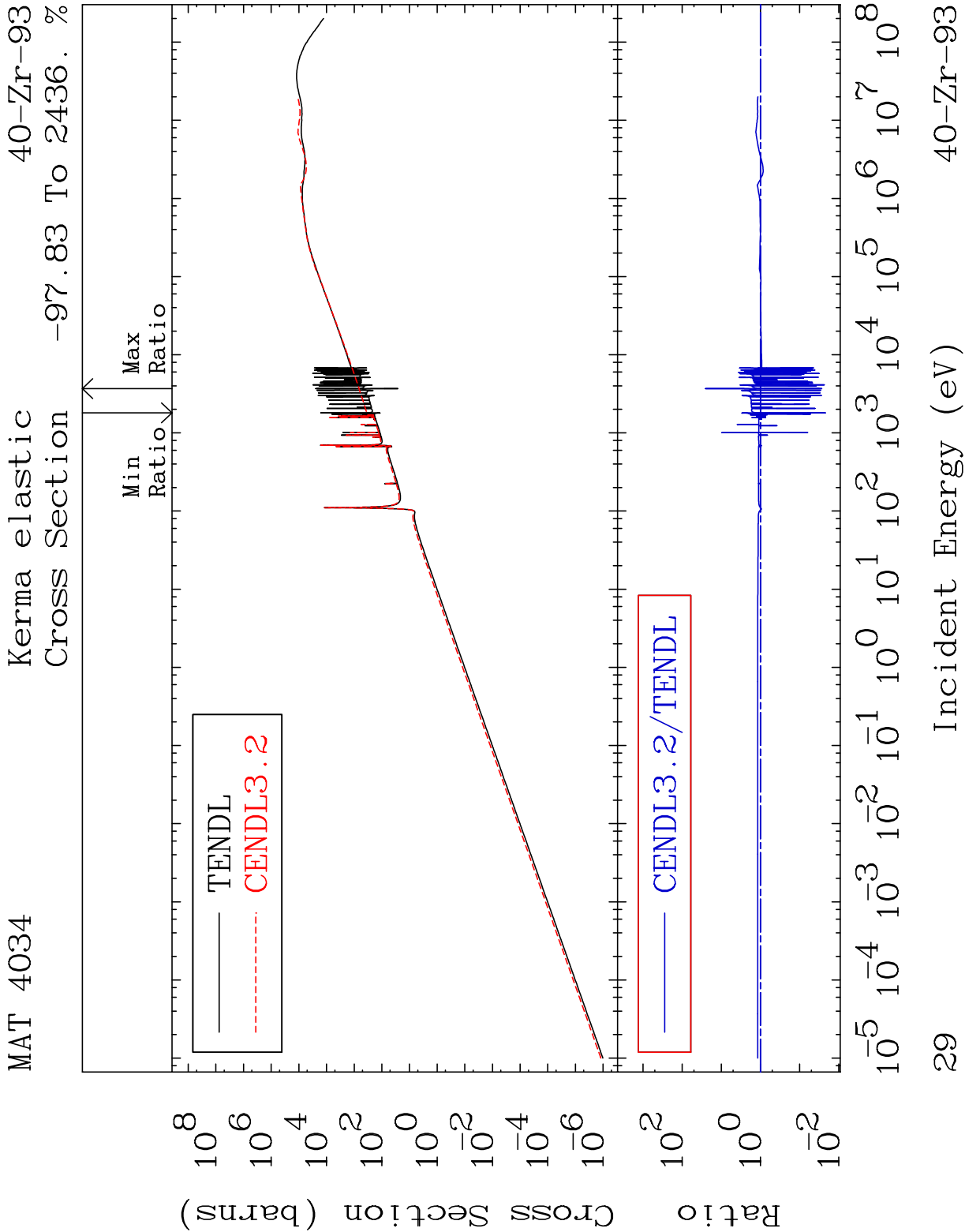






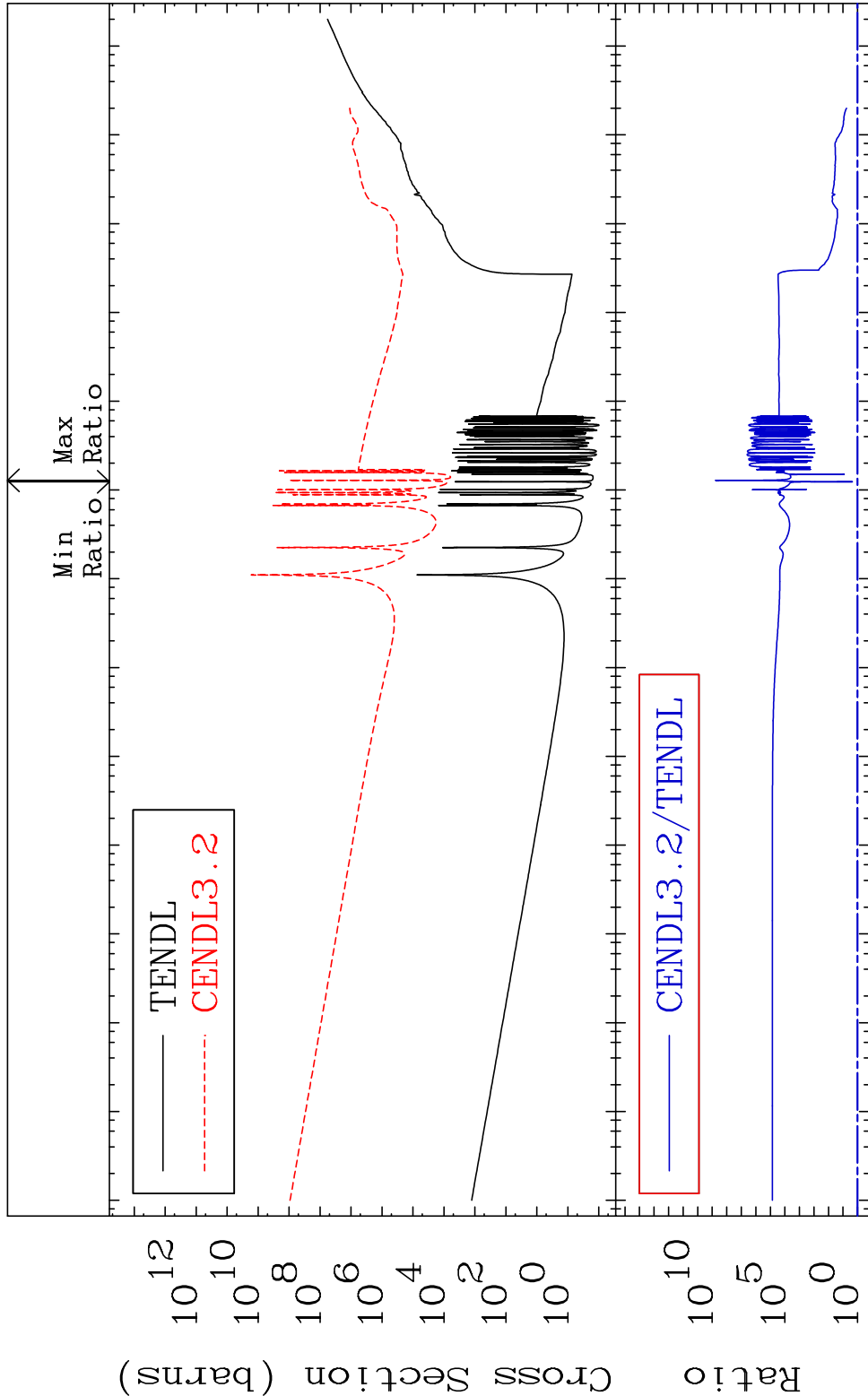
MAT 4034 Kerma total (eV-barns) 40-Zr-93
 Cross Section 116.8 To 9999. %





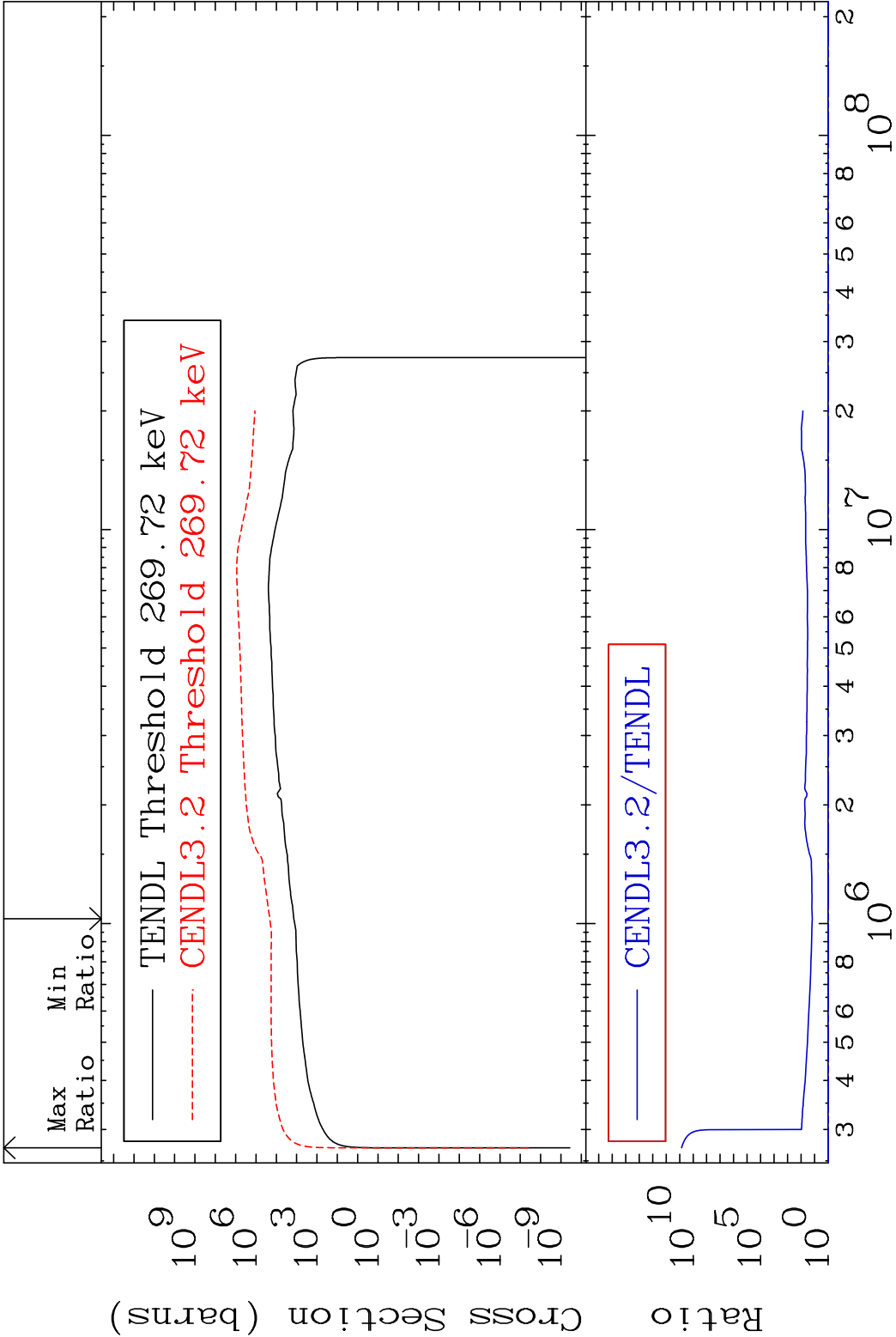
MAT 4034 Kerma non-elastic (all but mt2) 40-Zr-93

Cross Section 133.8 To 9999. %

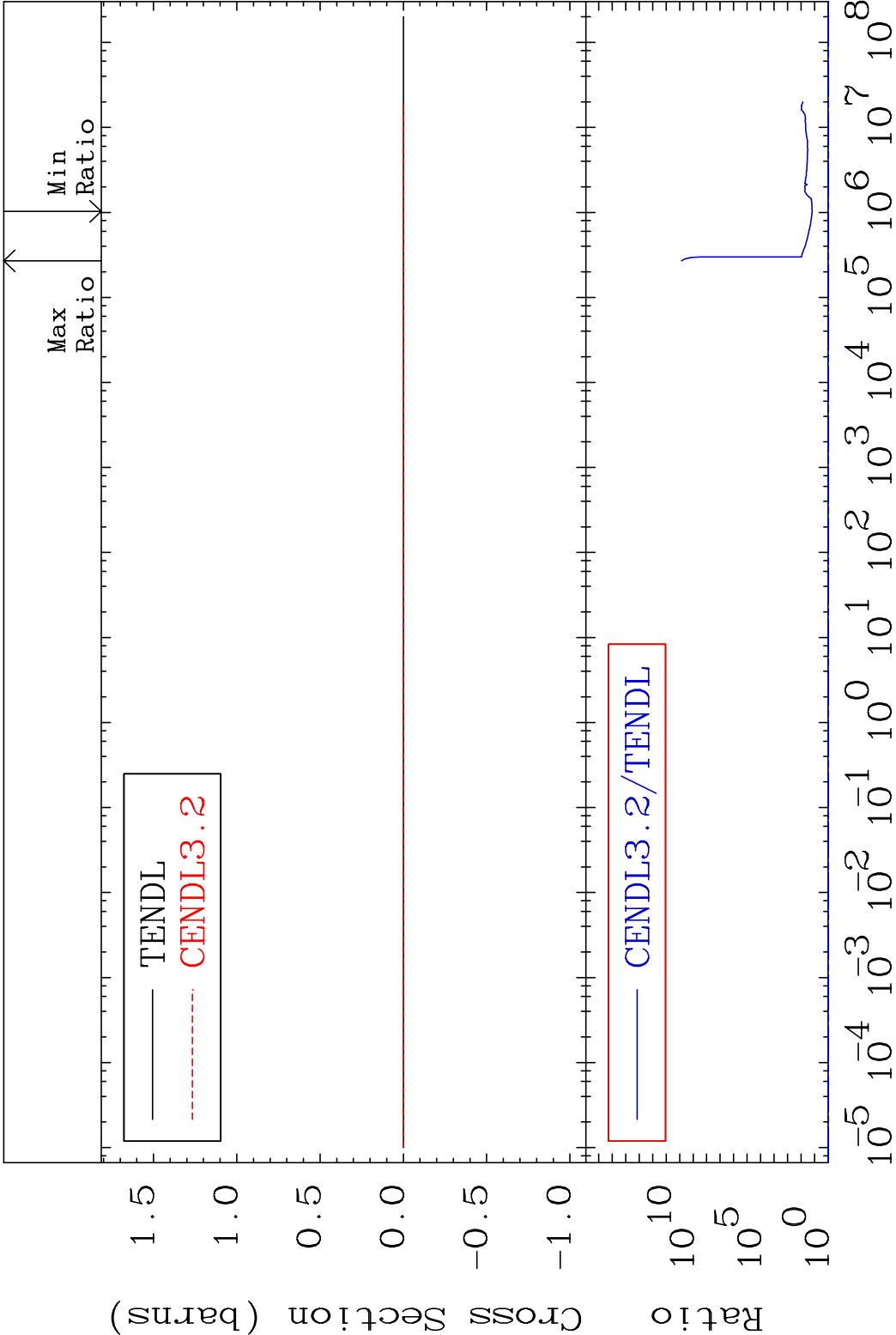


Ratio 10 10⁵ 10¹⁰

30 Incident Energy (eV) 40-Zr-93



MAT 4034 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-93
Cross Section 1407. To 9999. %

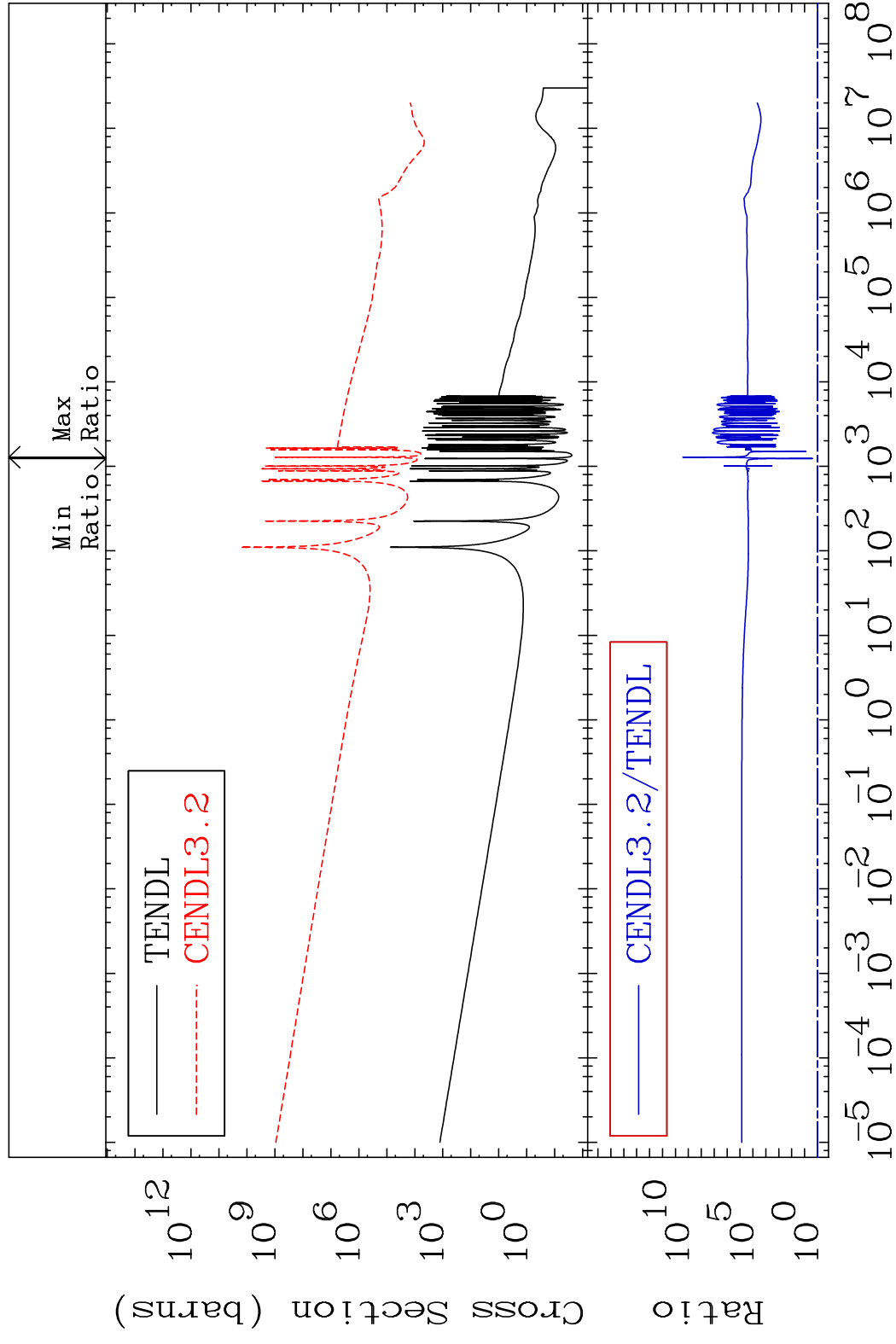


32 Incident Energy (eV) 40-Zr-93

MAT 4034

Kerma capture (mt102)	40-Zr-93
Cross Section	133.8 To 9999. %

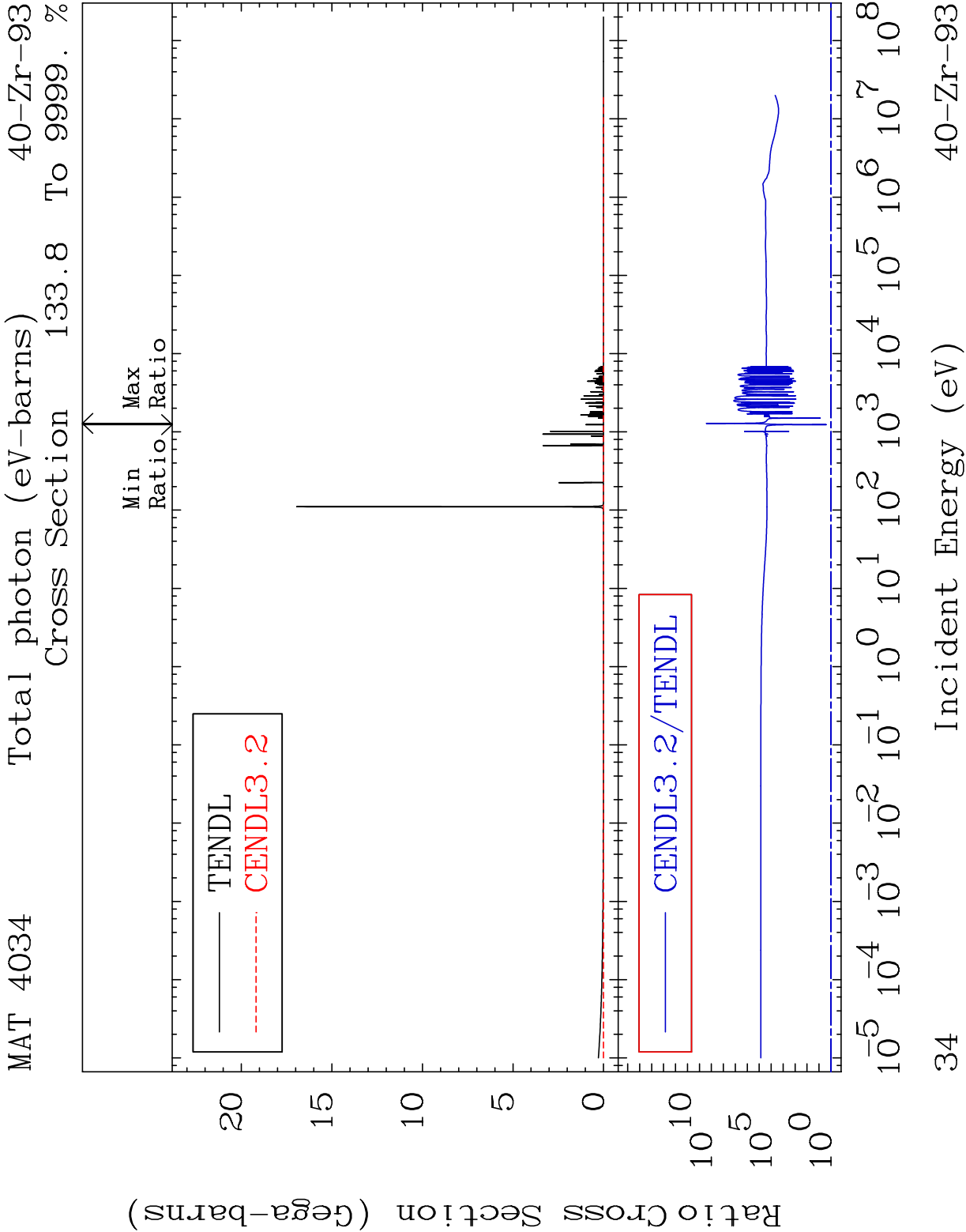
Cross Section 133.8 To 9999. %



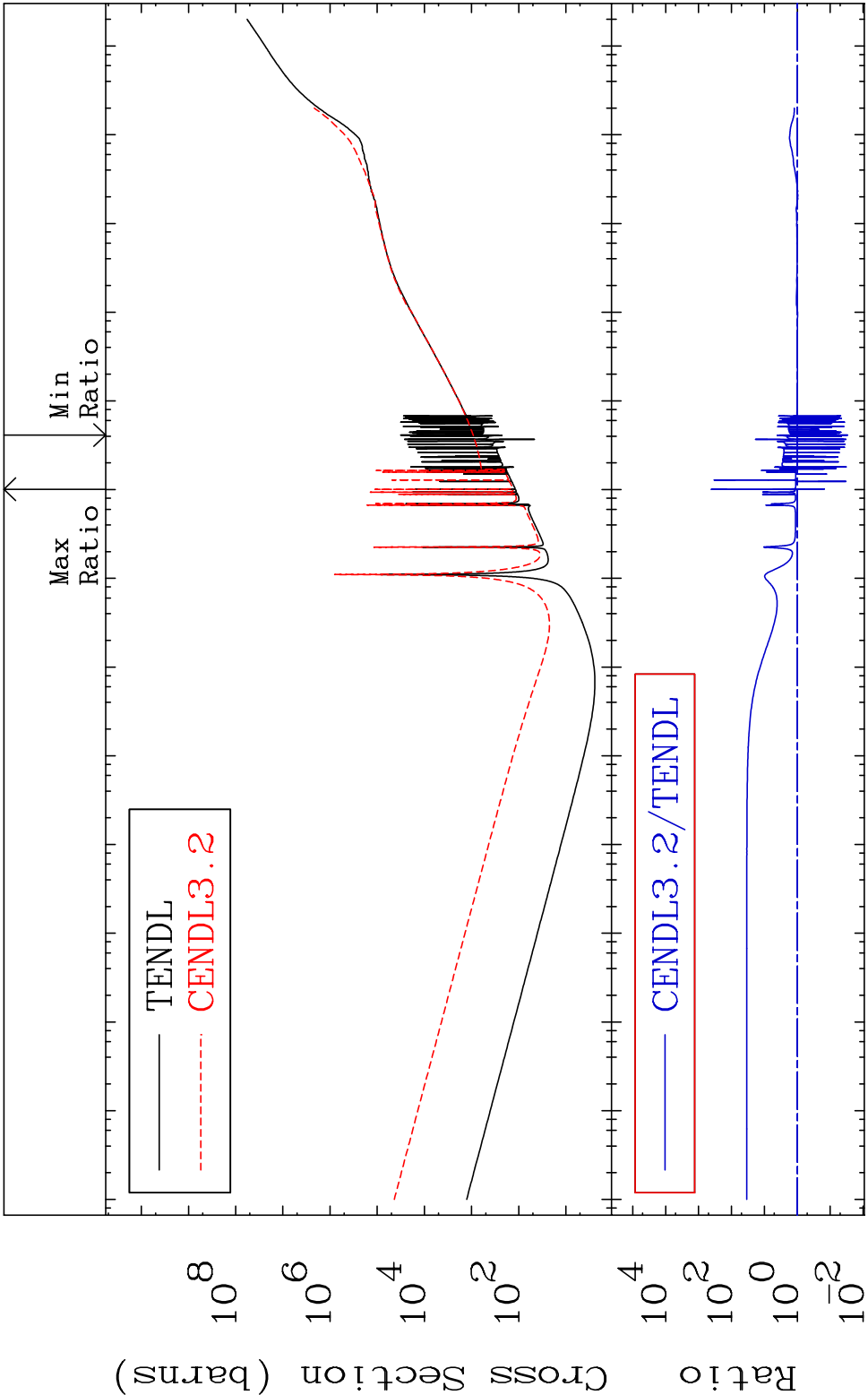
33

Incident Energy (eV)

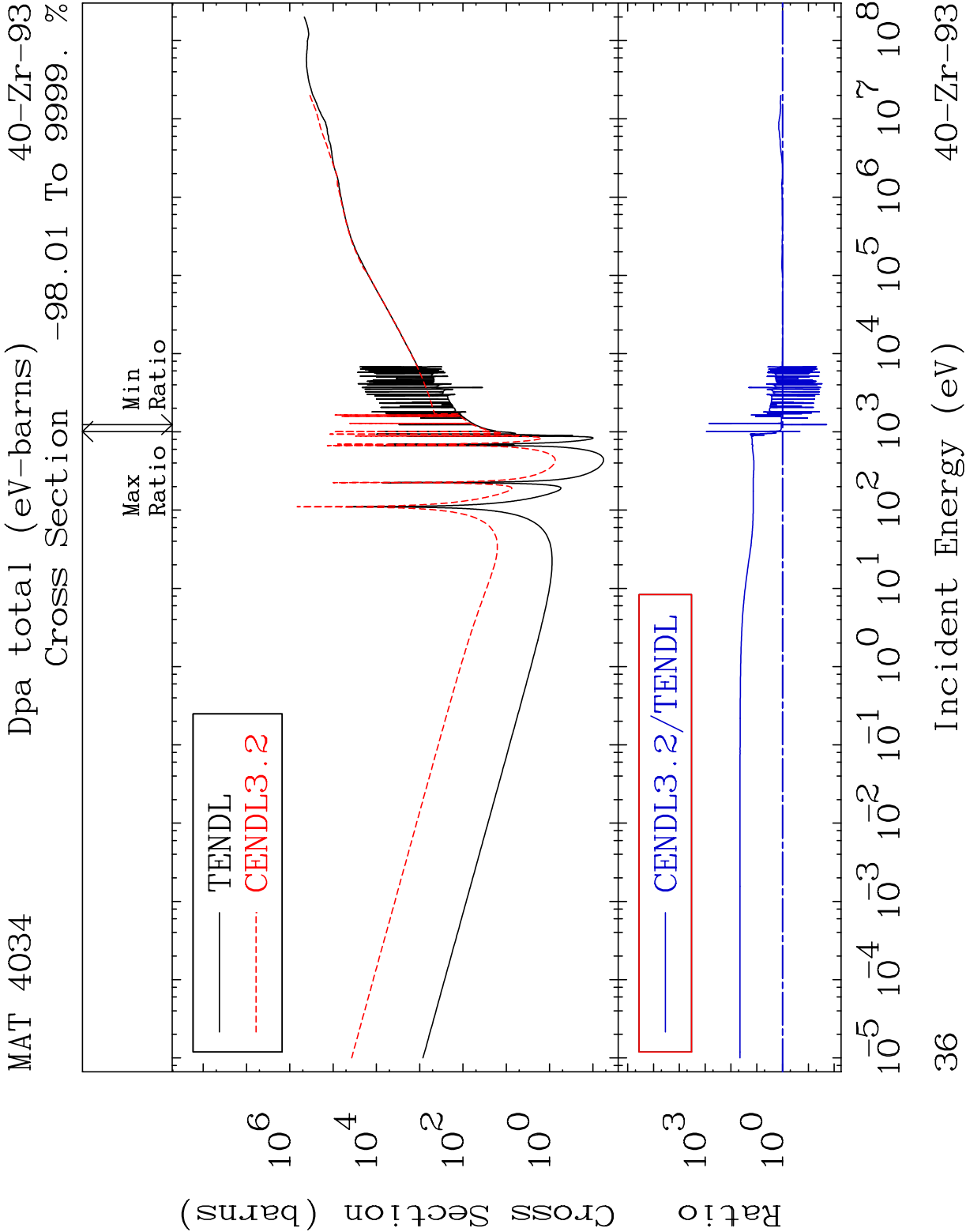
40-Zr-93



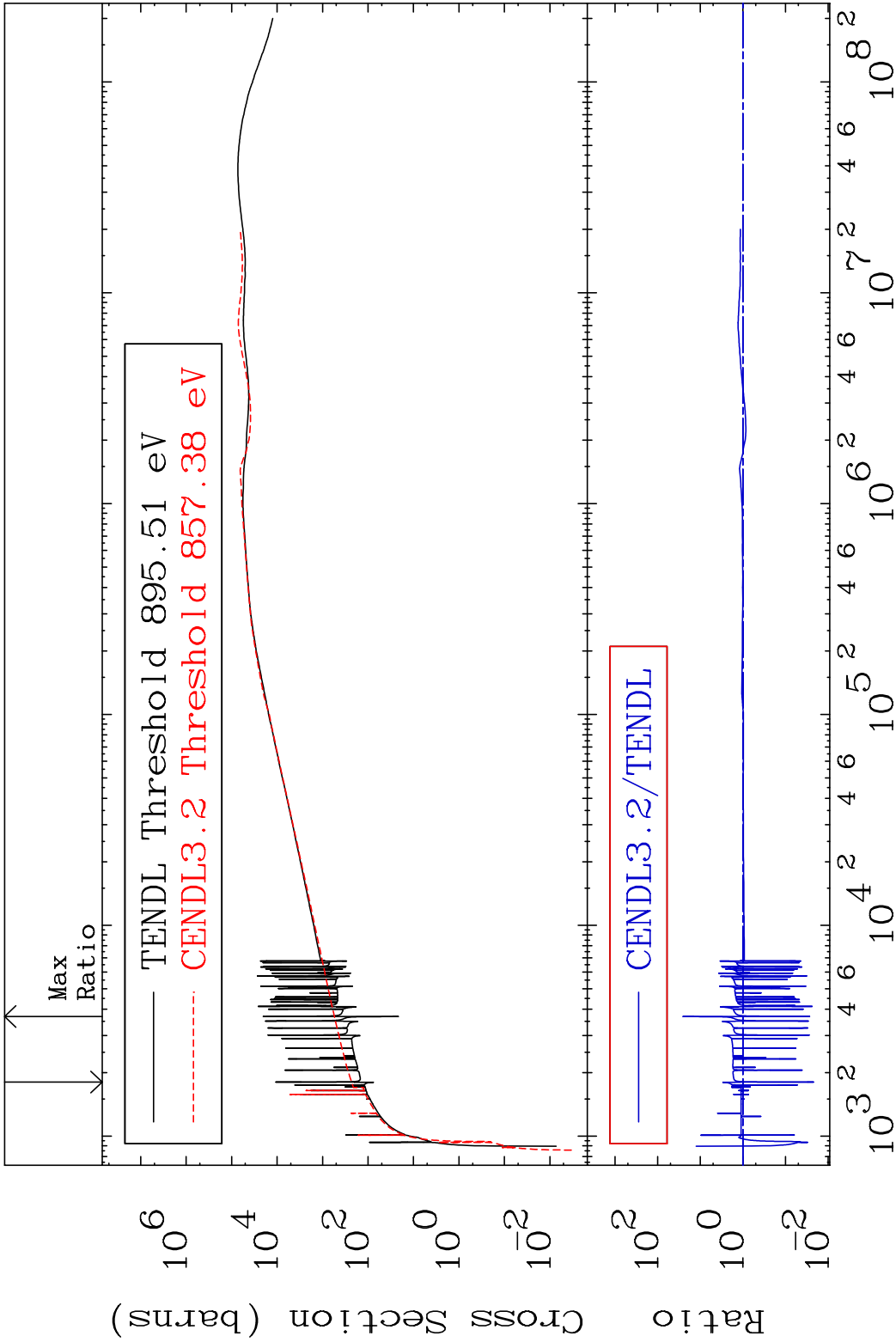
MAT 4034 Total kinematic kerma (high limit) 40-Zr-93
Cross Section -97.07 To 9999. %



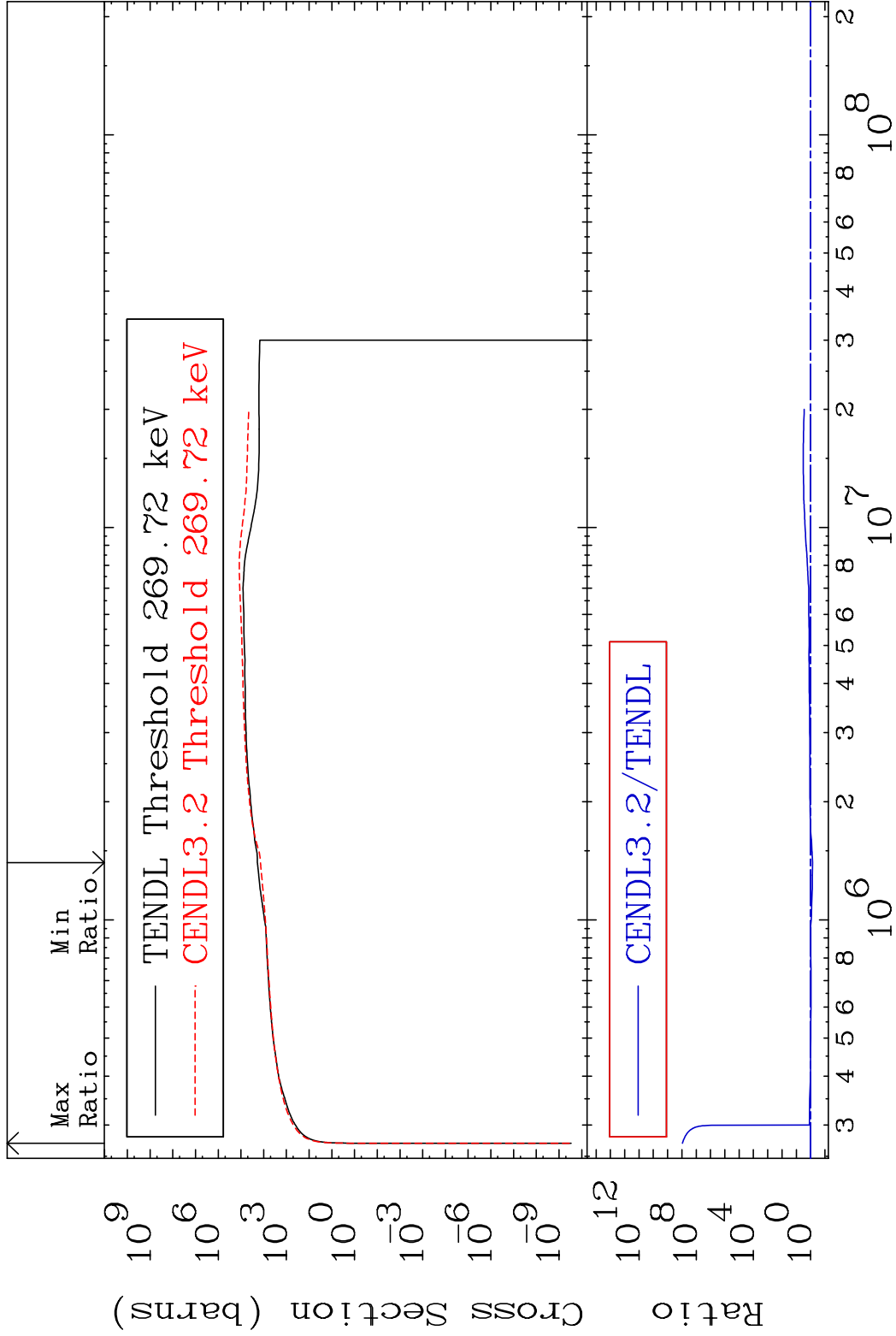
35 Incident Energy (eV) 40-Zr-93



MAT 4034 Dpa elastic (mt2) 40-Zr-93
Cross Section -97.83 To 2444. %

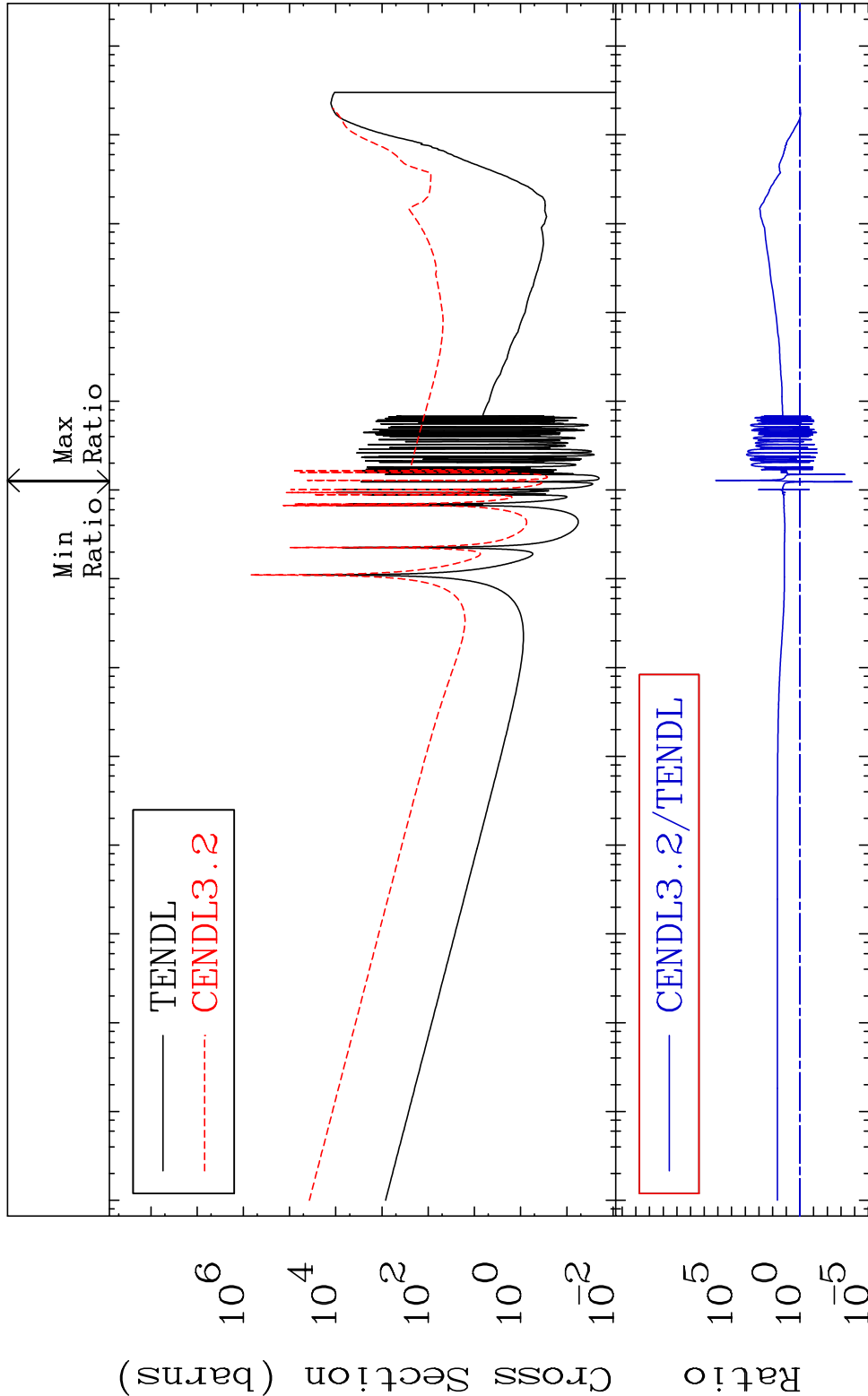


37 Incident Energy (eV) 40-Zr-93



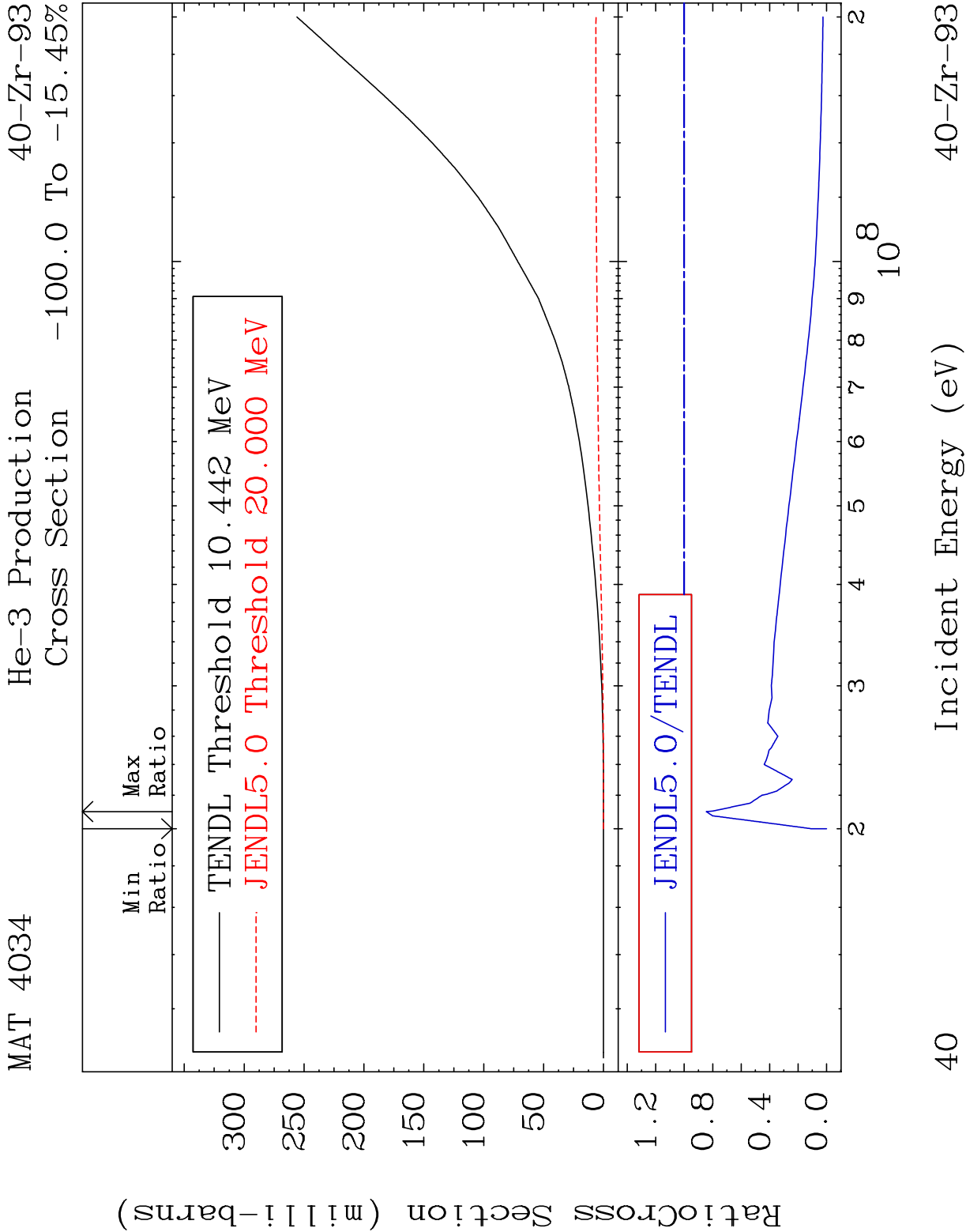
MAT 4034 Dpa disappearance (mt102 -120) 40-Zr-93

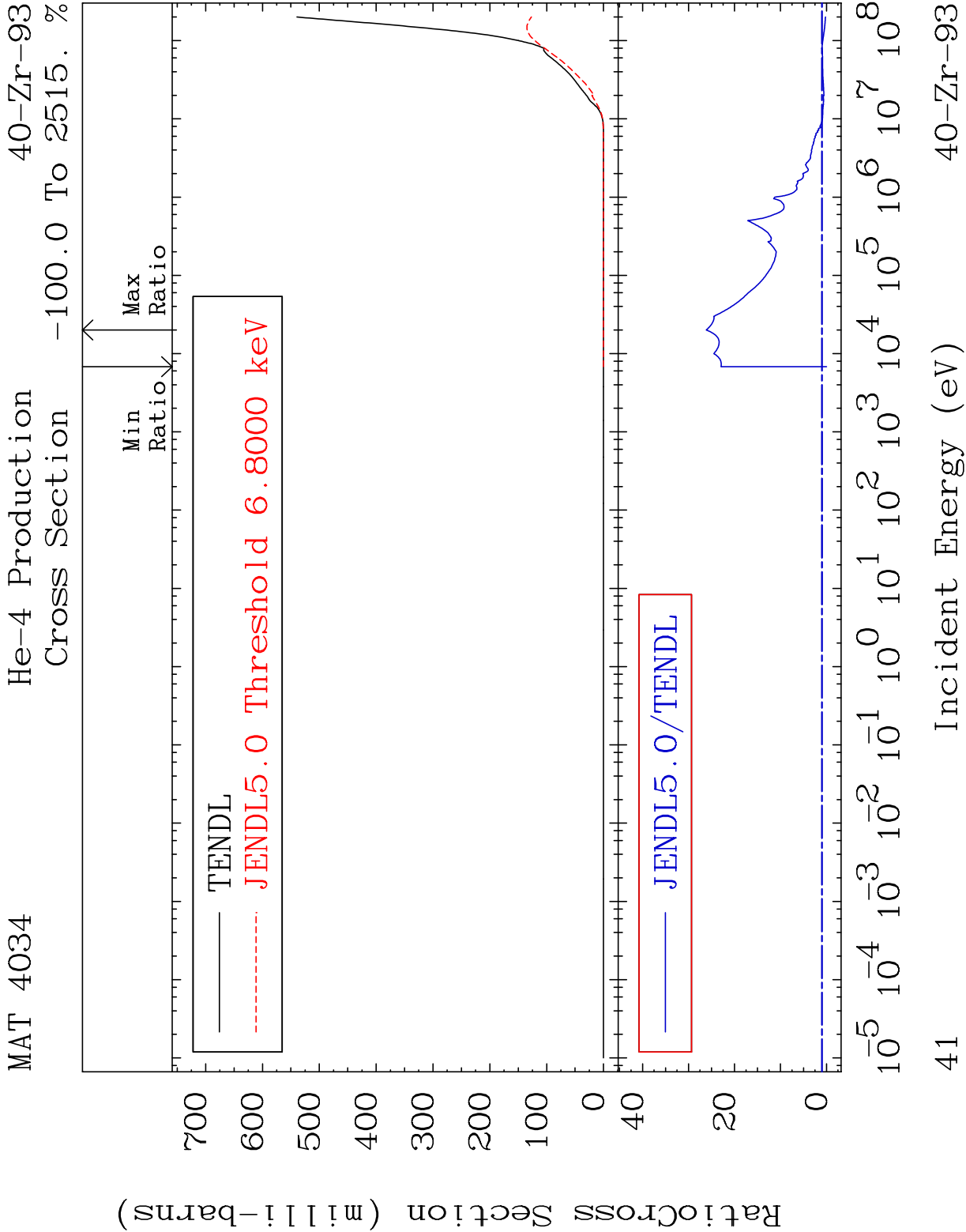
Cross Section -99.98 To 9999. %

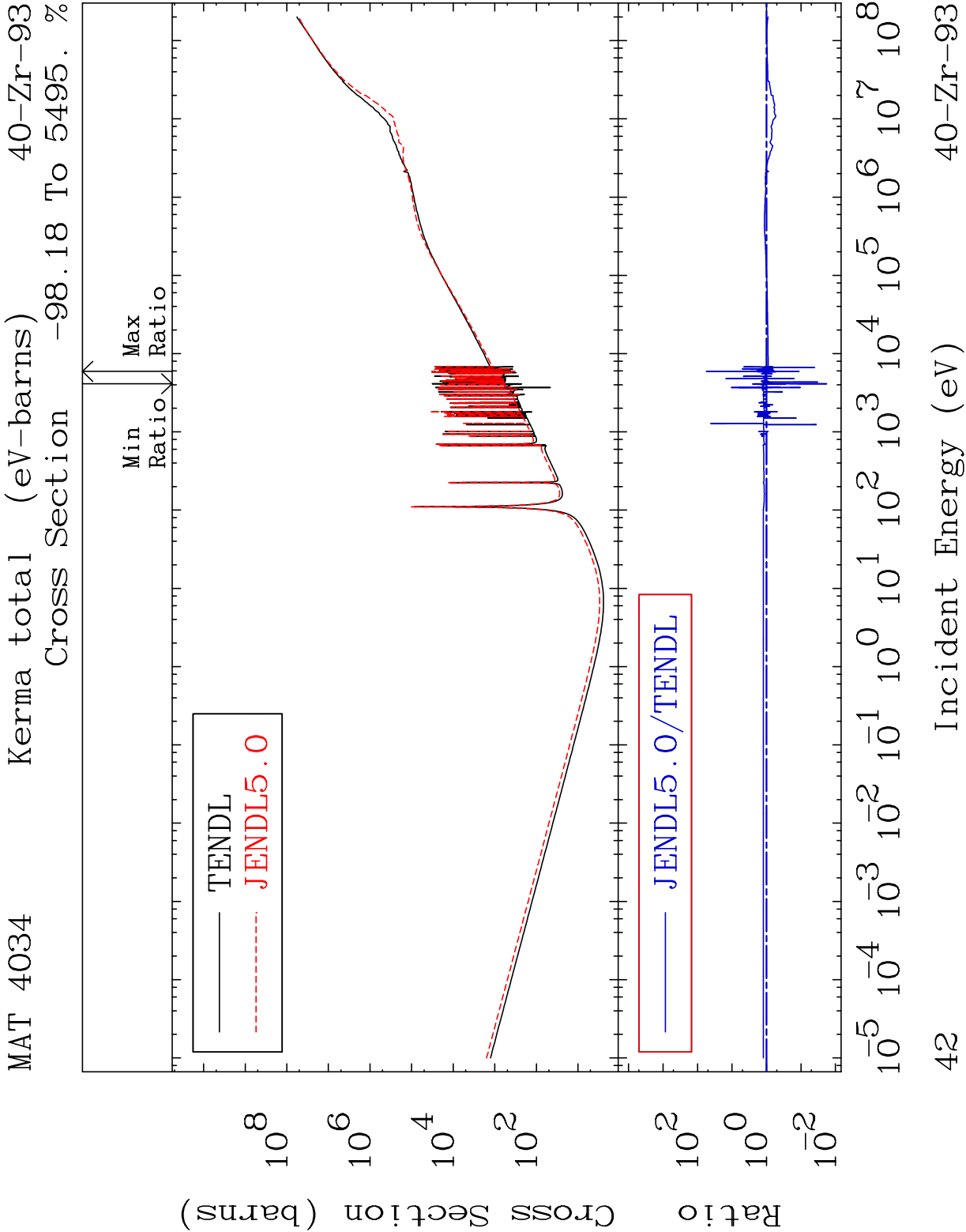


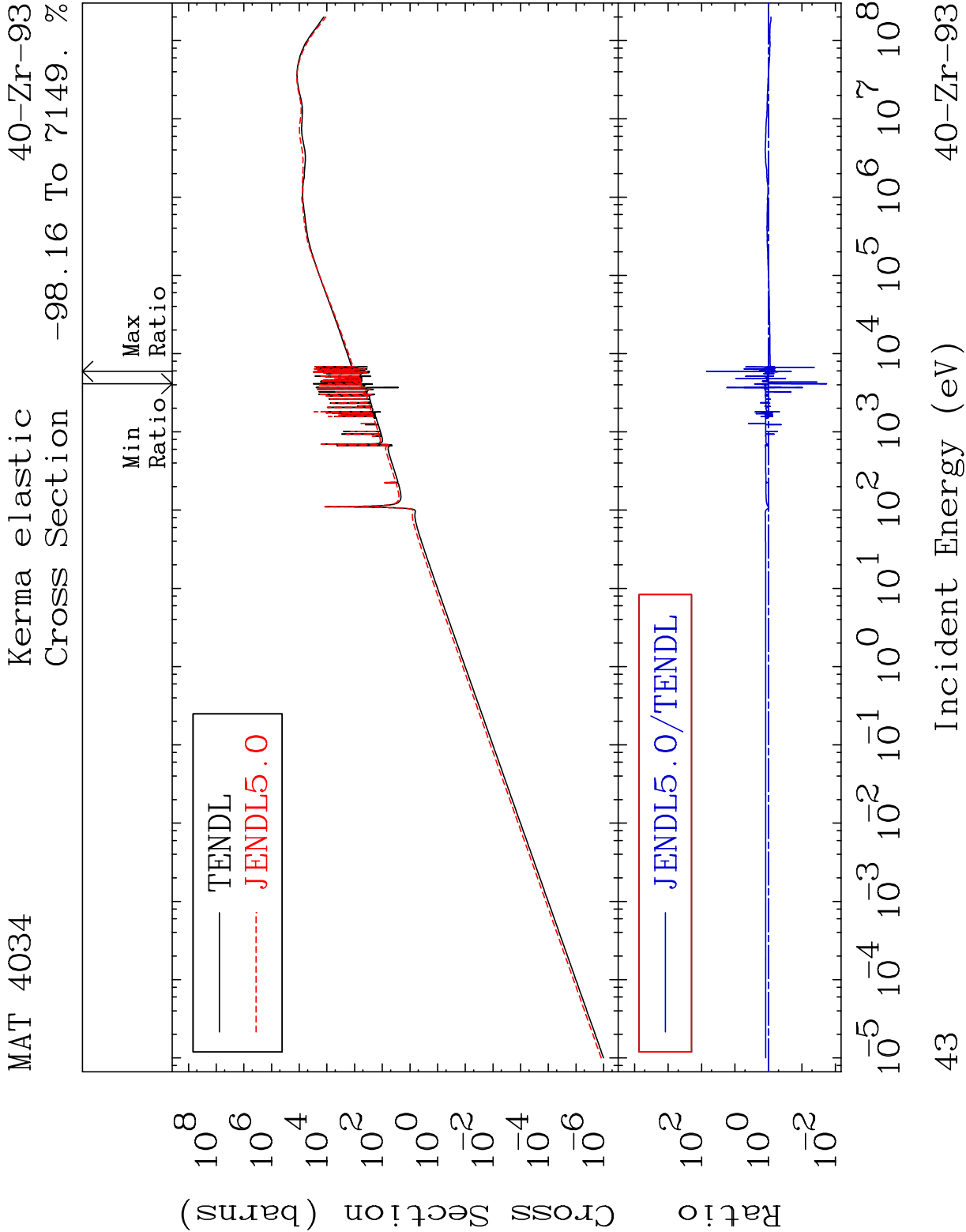
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

39 Incident Energy (eV) 40-Zr-93

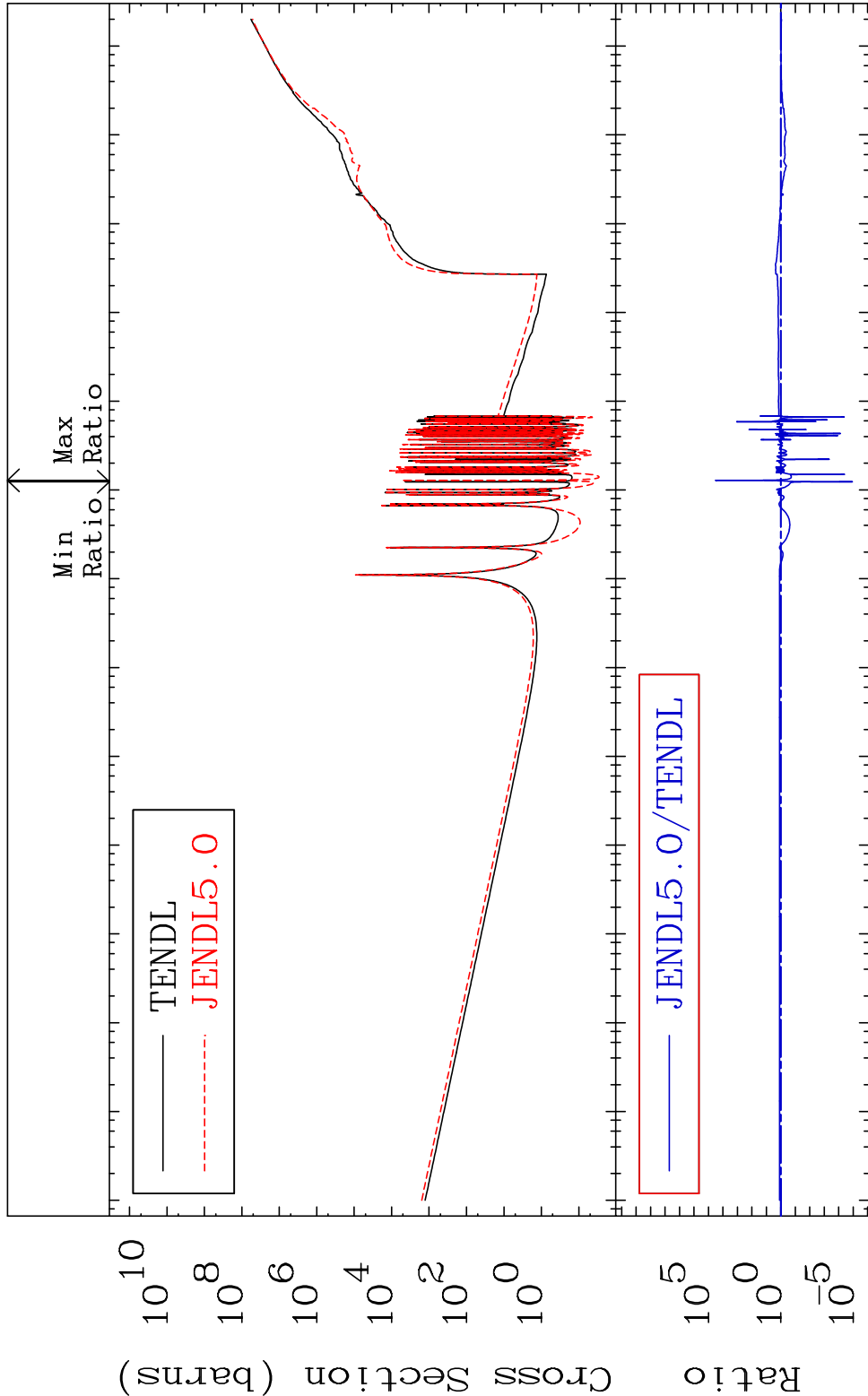




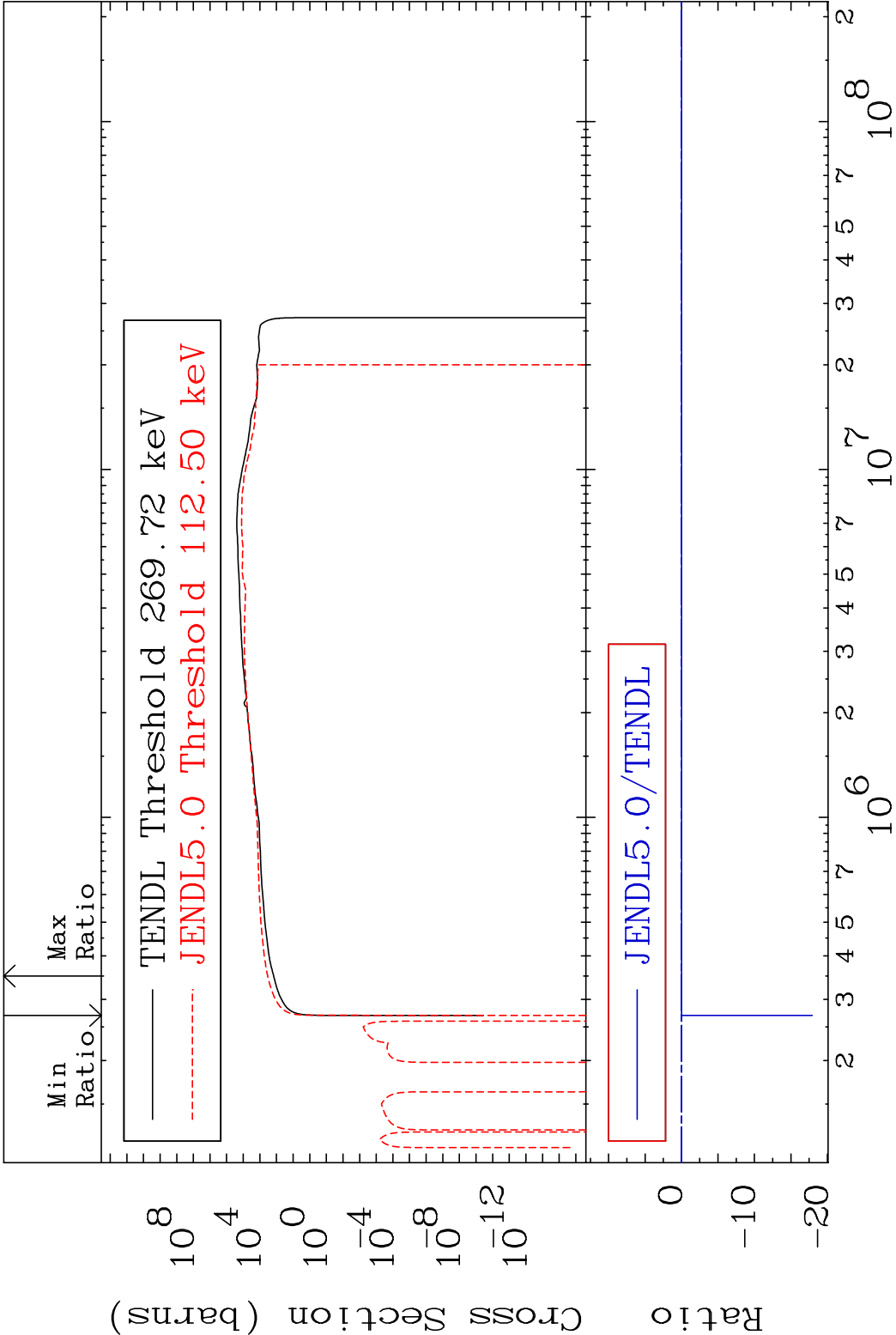




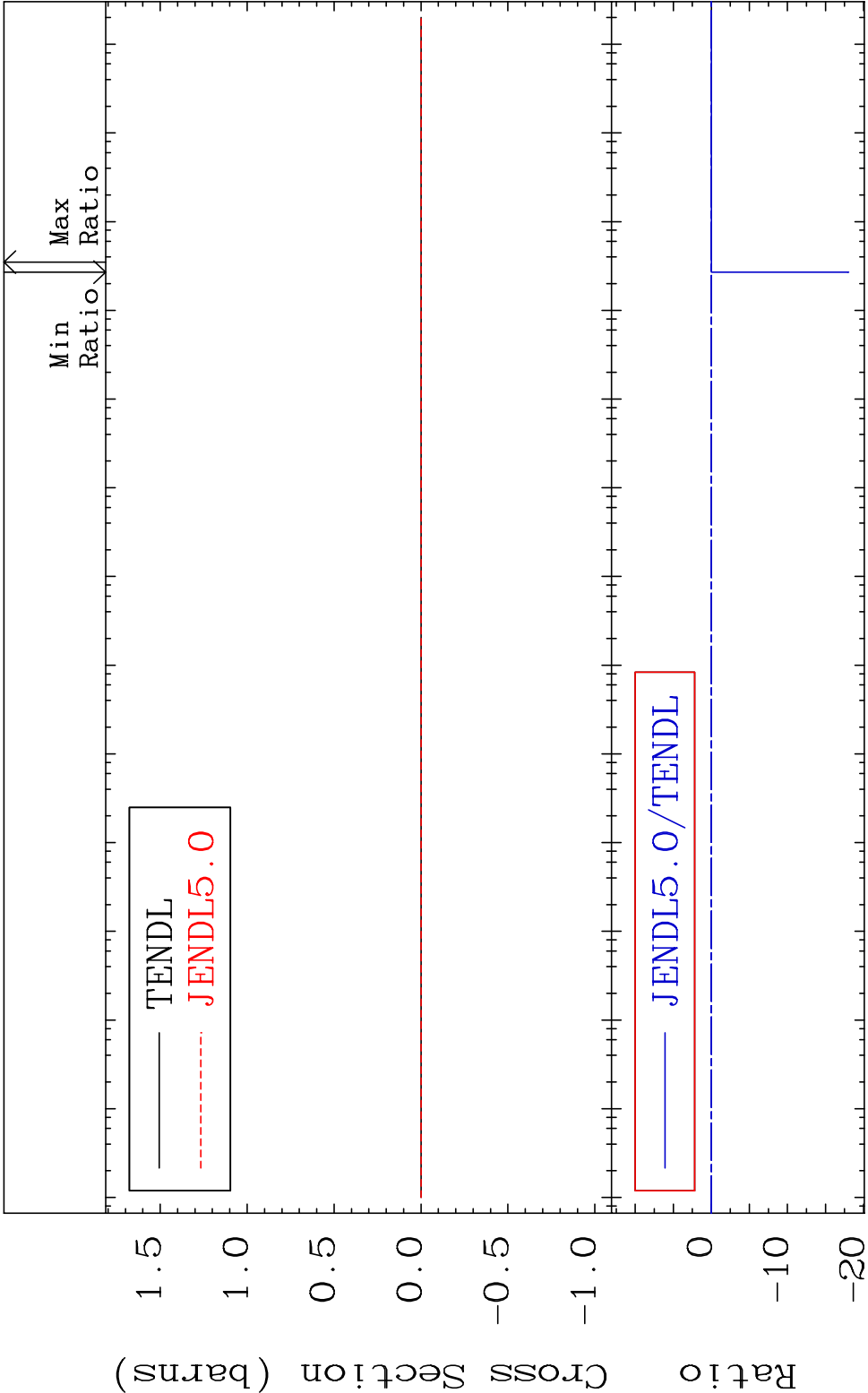
Cross Section -100.0 To 9999. %



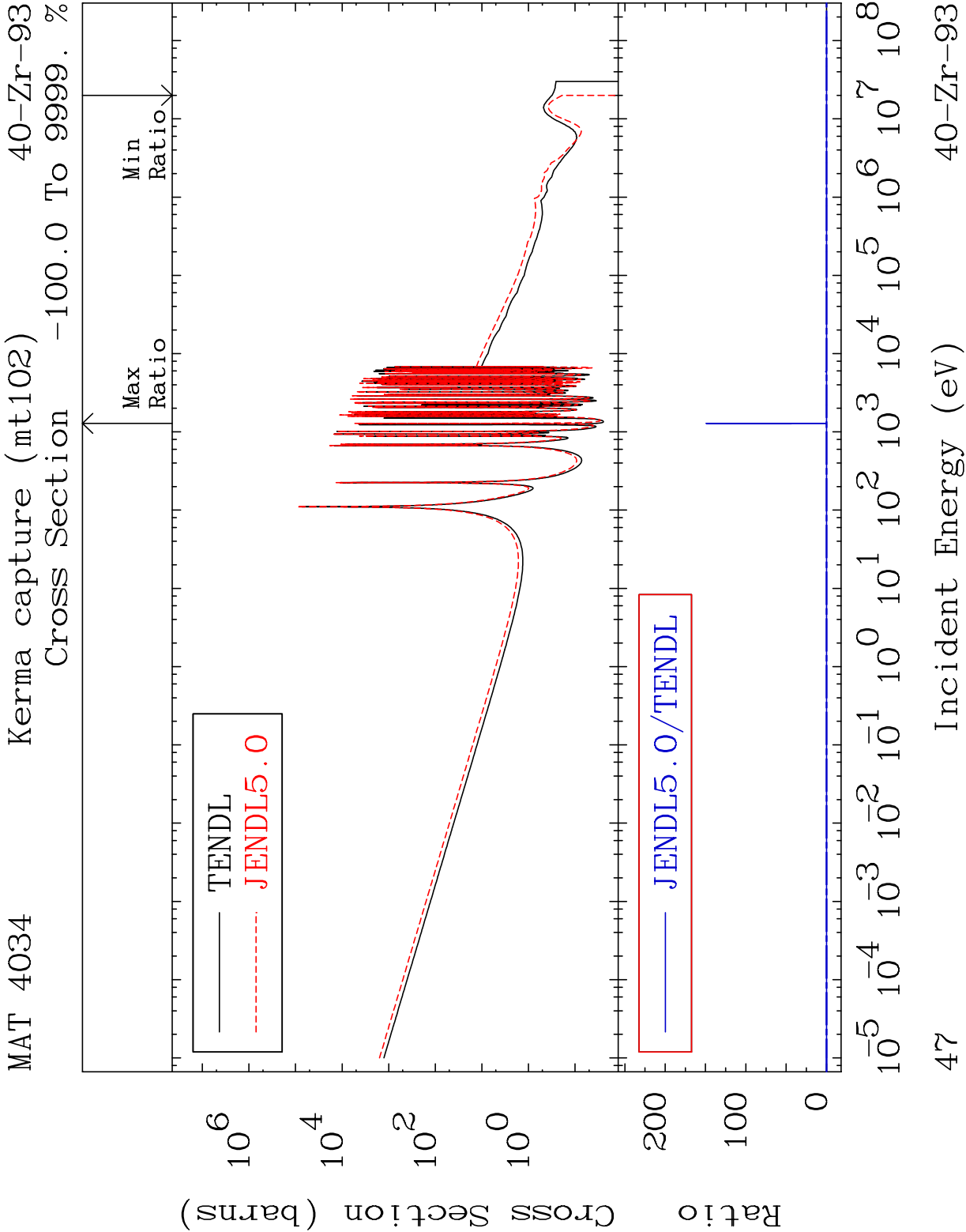
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

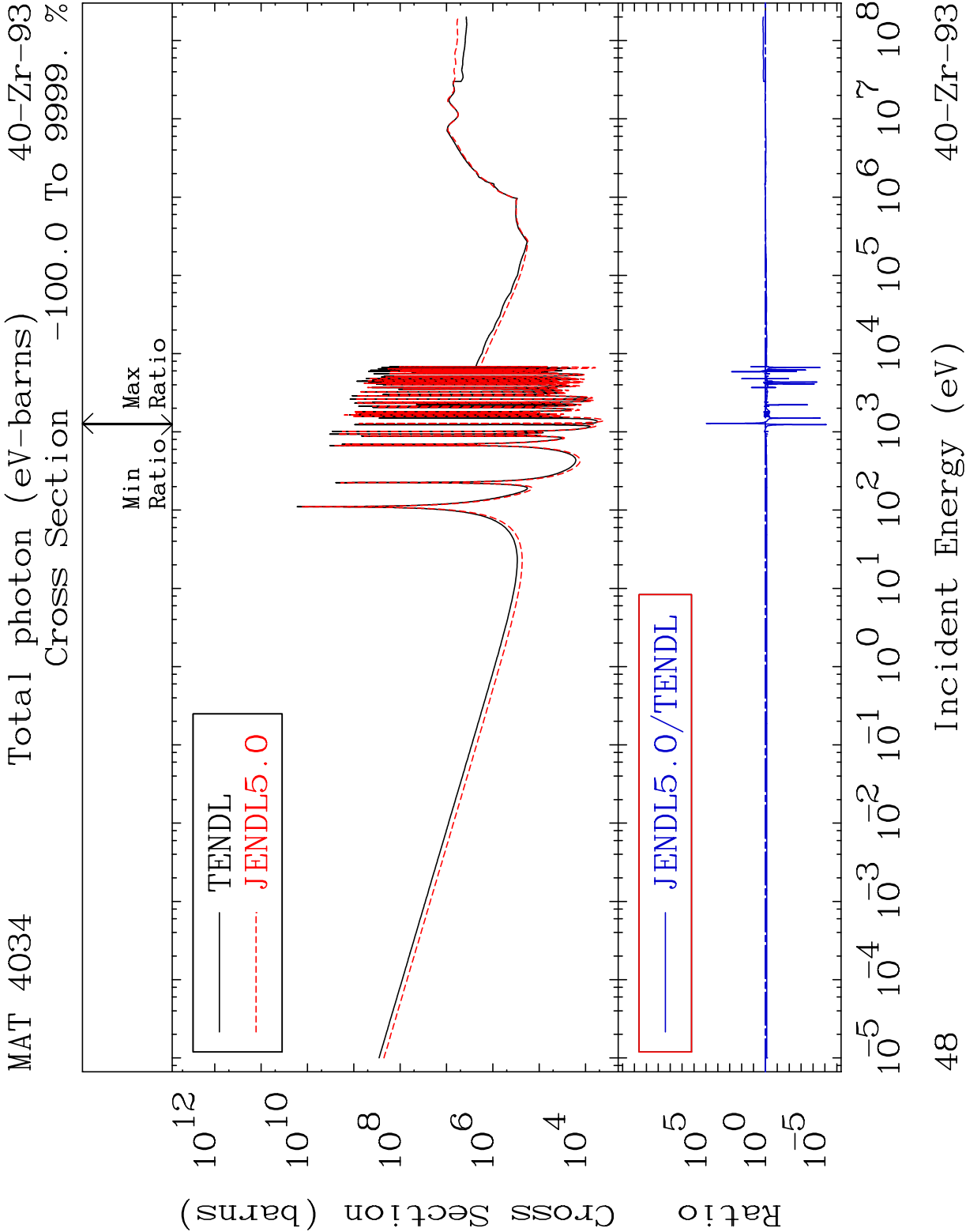


MAT 4034 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-93
Cross Section -9999. To 133.7 %

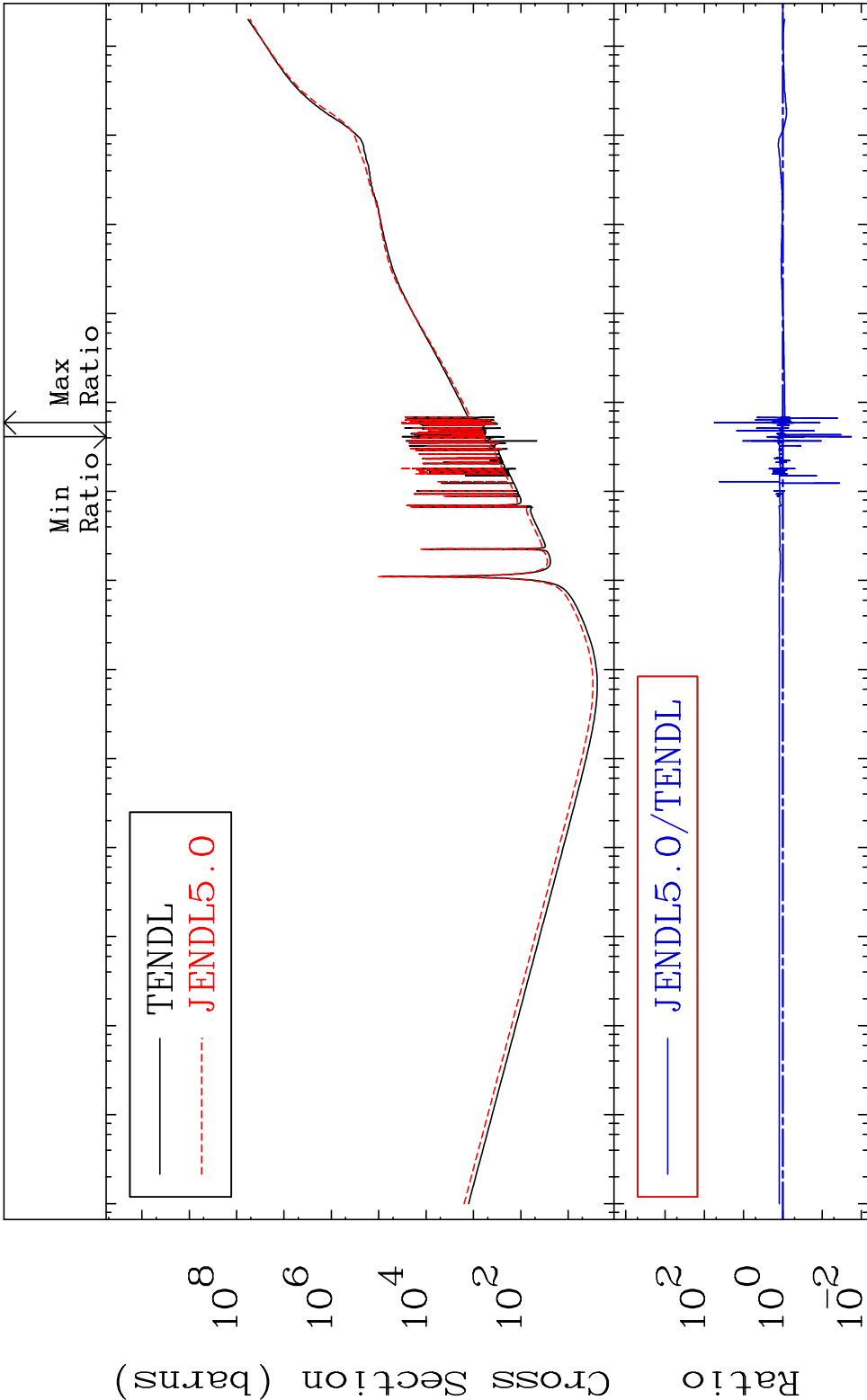


46 Incident Energy (eV) 40-Zr-93

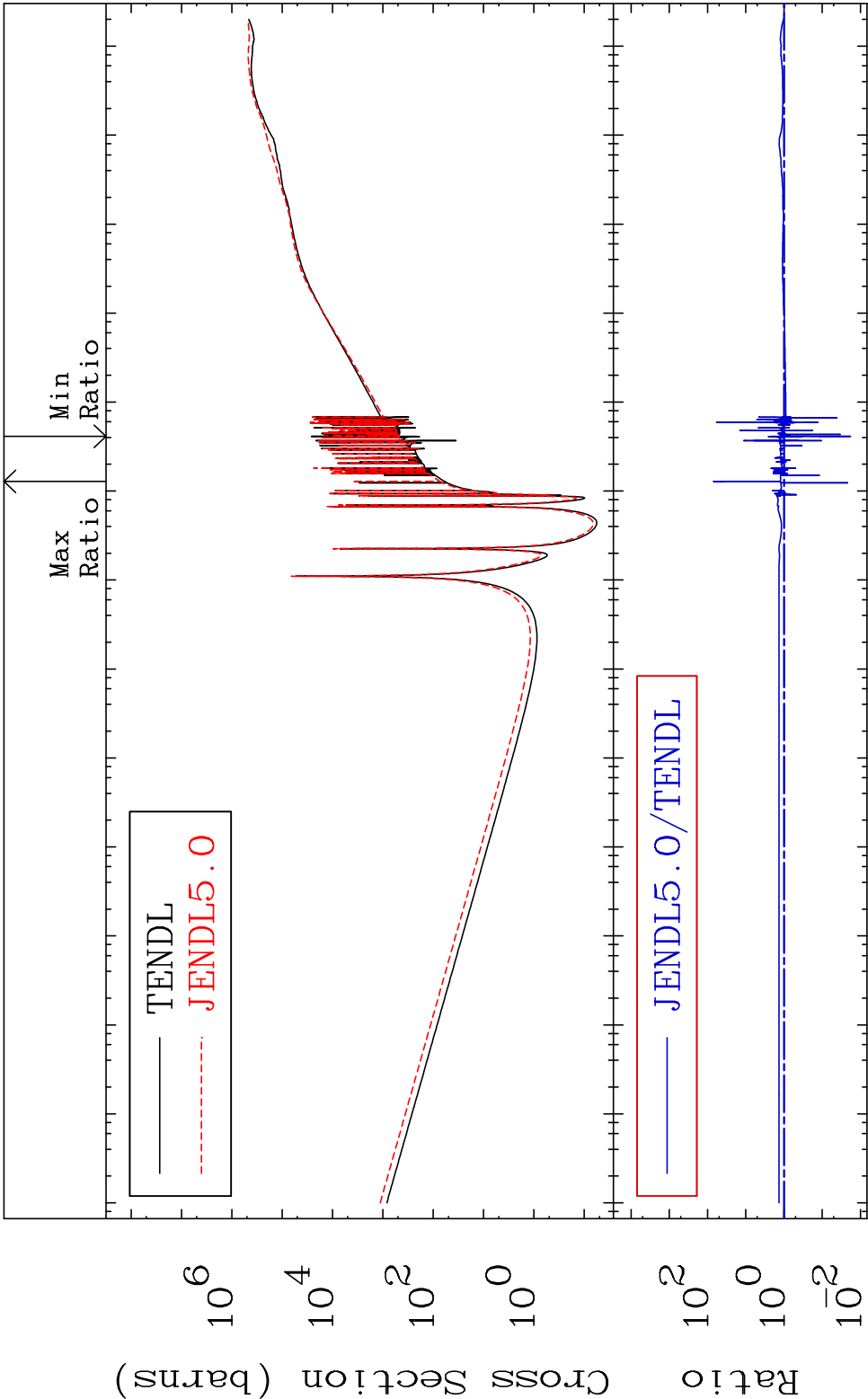




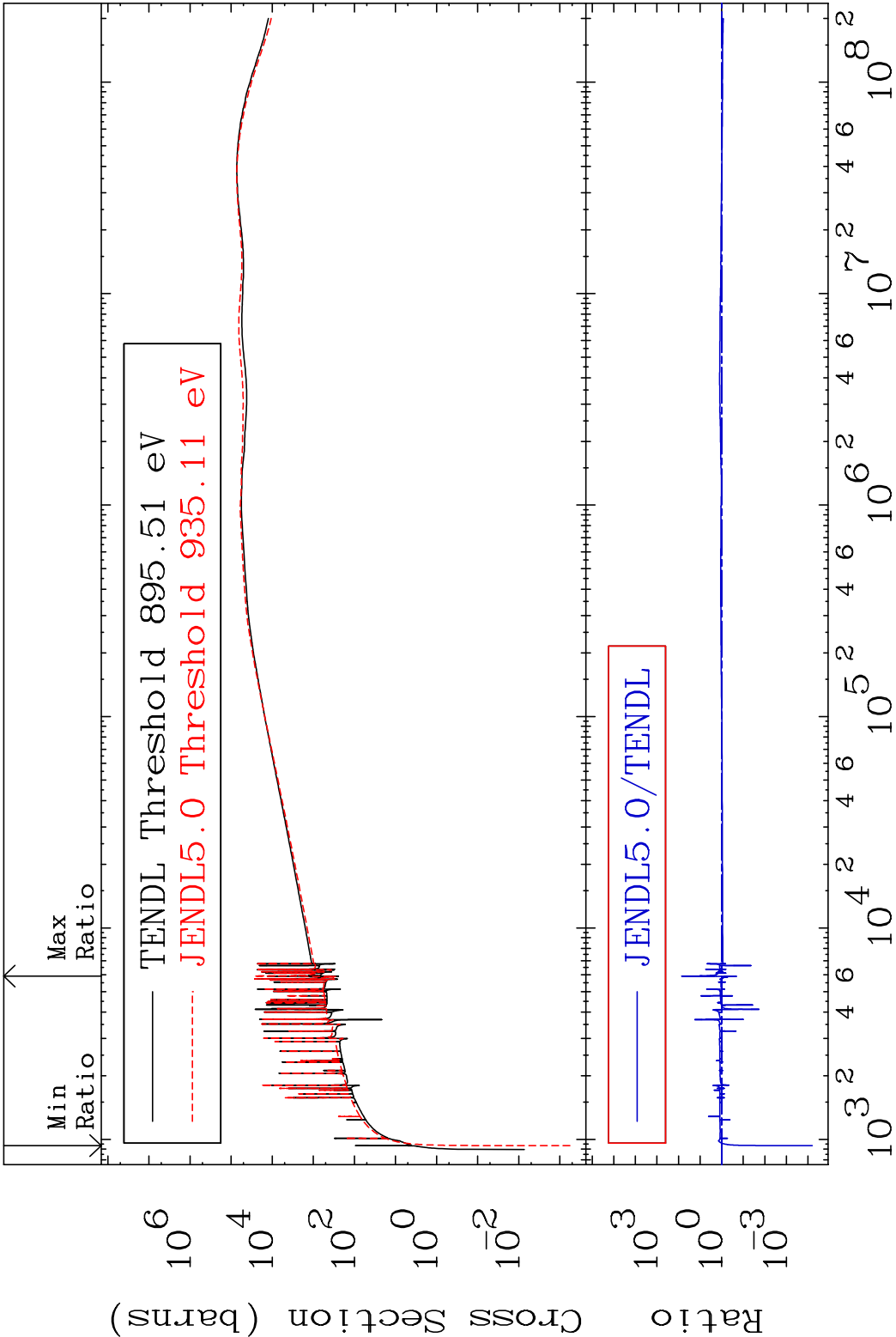
MAT 4034 Total kinematic kerma (high limit) 40-Zr-93
Cross Section -98.18 To 5495. %



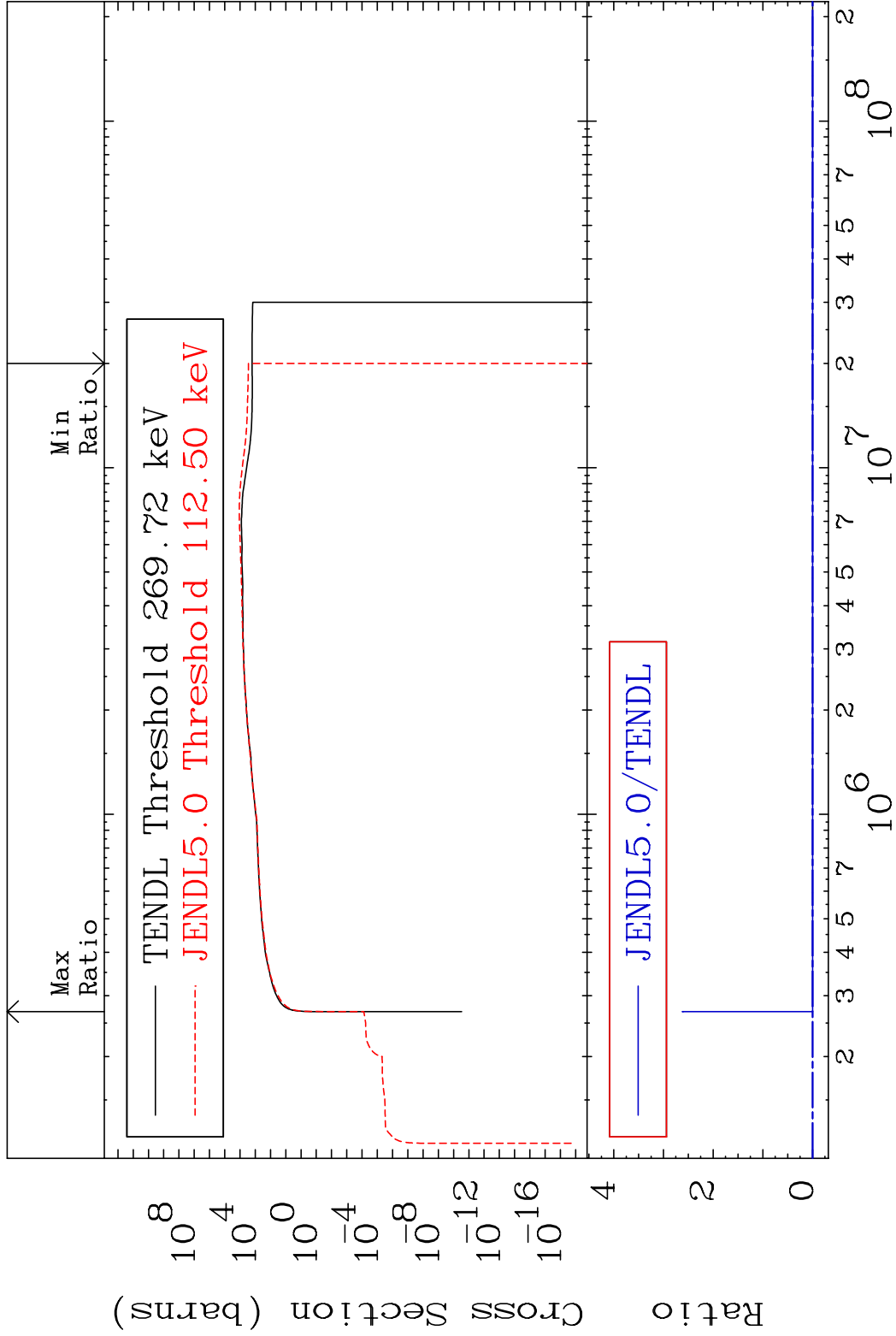
MAT 4034 Dpa total (eV-barns) 40-Zr-93
Cross Section -98.17 To 6854. %



MAT 4034 Dpa elastic (mt2) 40-Zr-93
Cross Section -99.99 To 7136. %

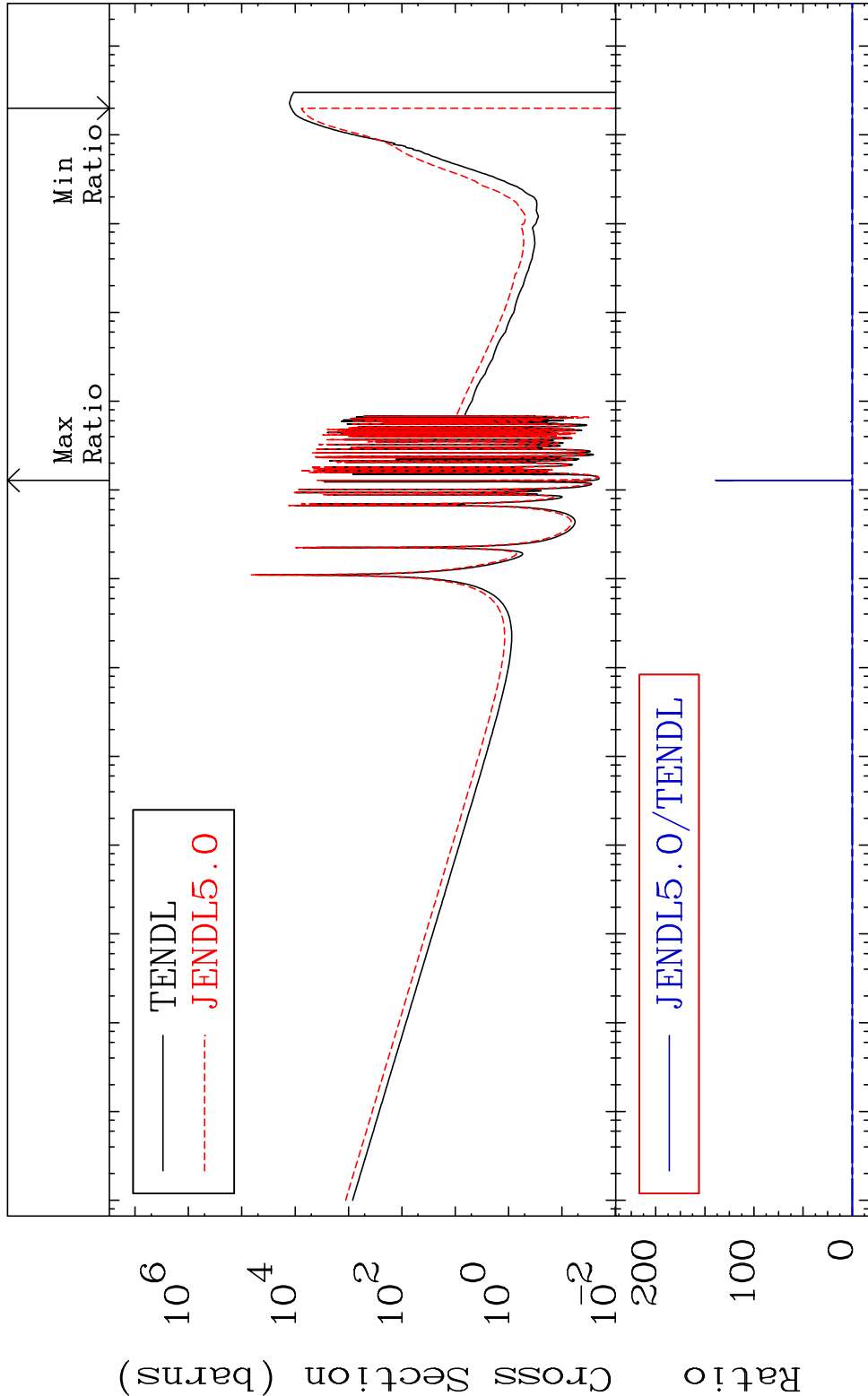


51 Incident Energy (eV) 40-Zr-93



MAT 4034 Dpa disappearance (mt102 -120) 40-Zr-93

Cross Section -100.0 To 9999. %



53

