

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

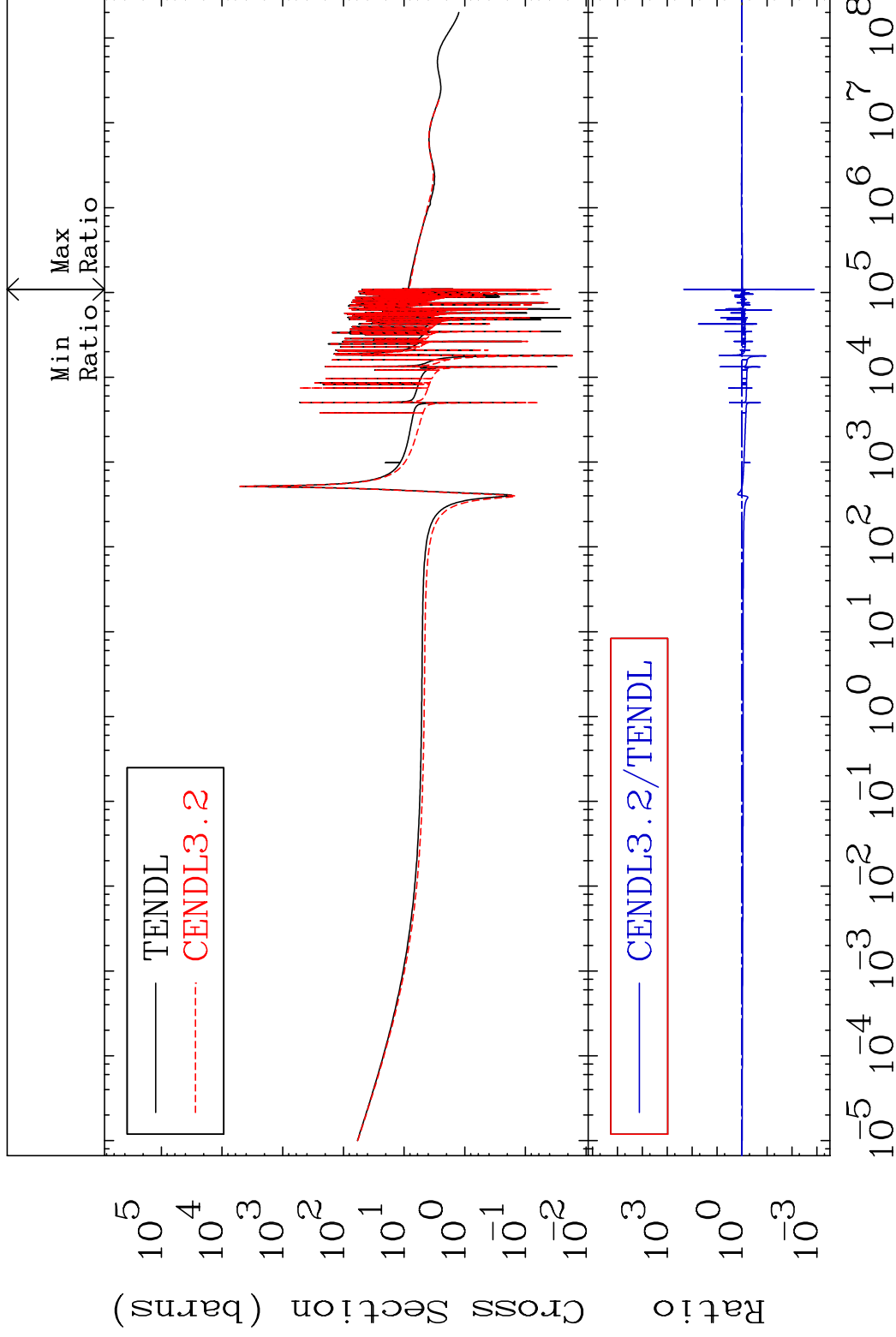
MAT 3037

Total

30-Zn-68

Cross Section

-99.87 To 9999. %



1

Incident Energy (eV)

30-Zn-68

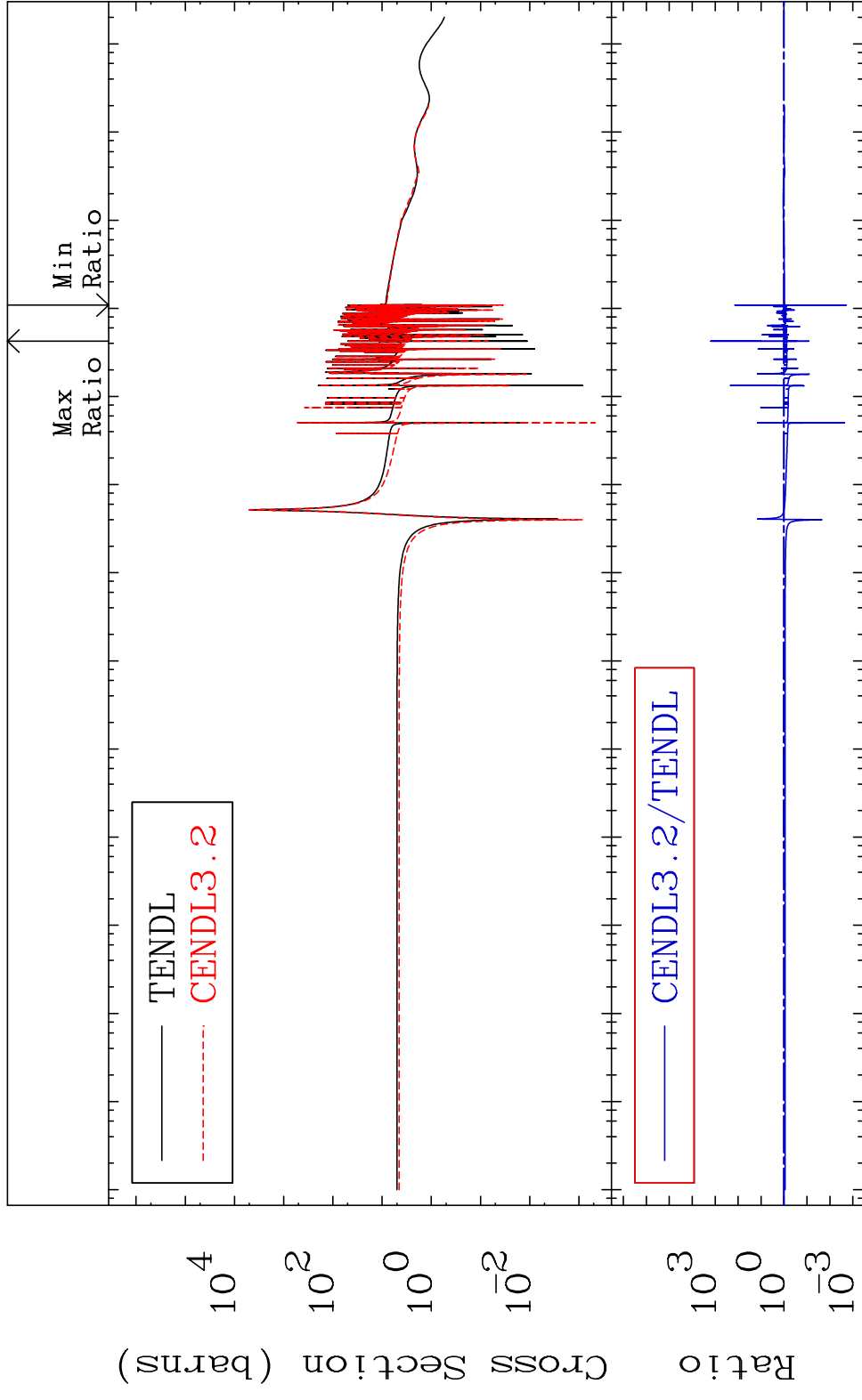
MAT 3037

Elastic

30-Zn-68

Cross Section

-99.81 To 9999. %

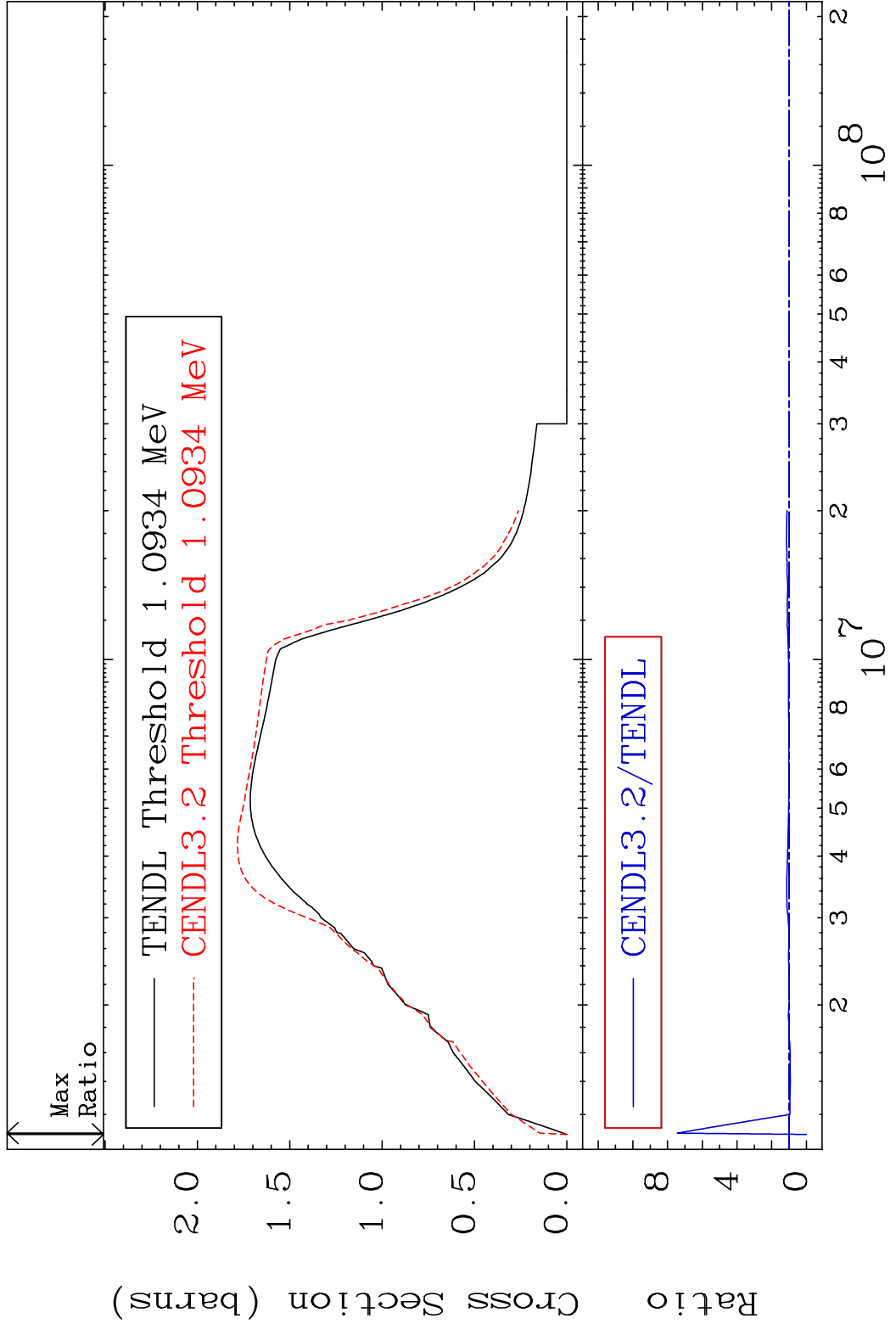


2

Incident Energy (eV)

30-Zn-68

MAT 3037 Inelastic 30-Zn-68
 Cross Section -100.0 To 644.6 %



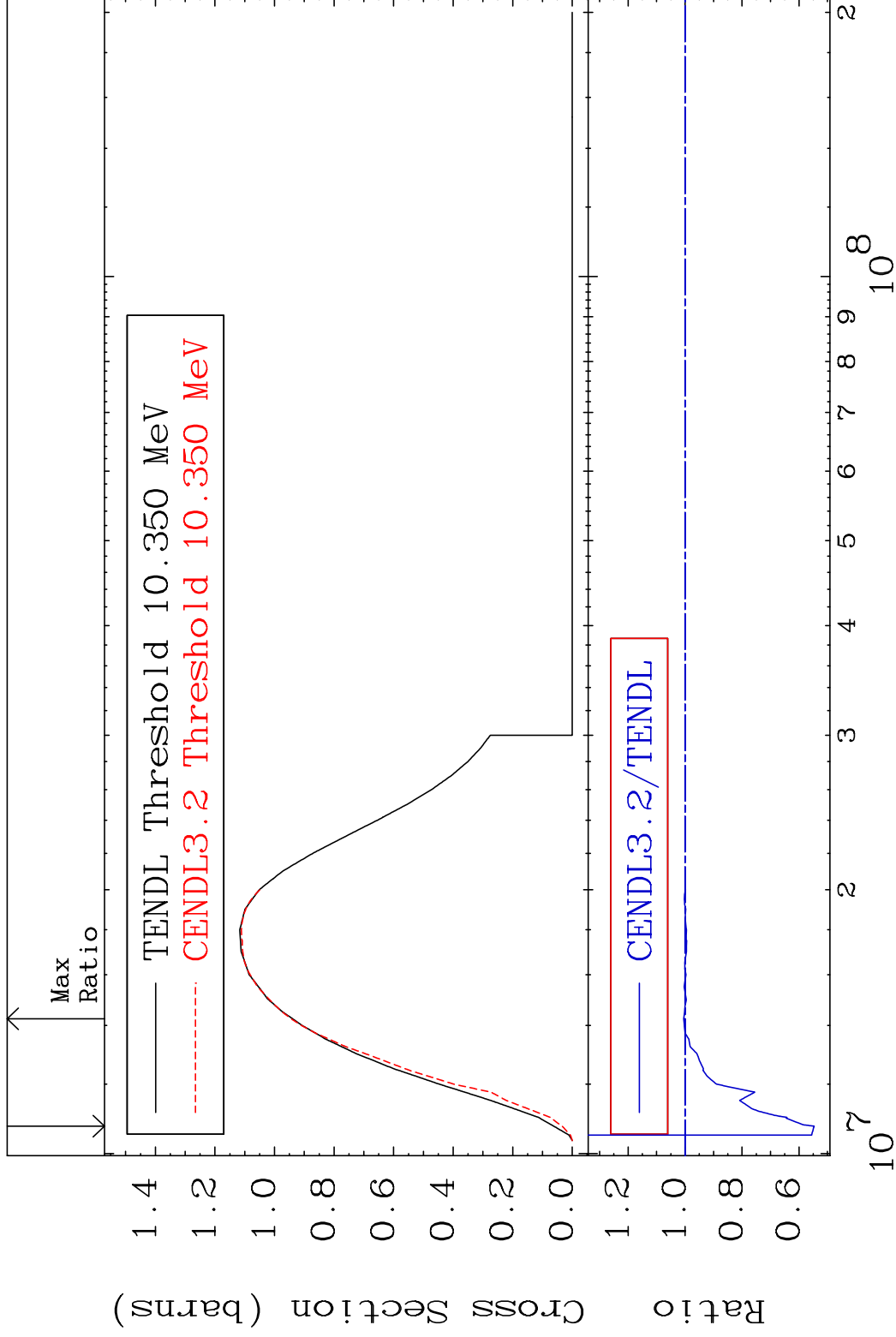
3 Incident Energy (eV) 30-Zn-68

MAT 3037

(n,2n)

30-Zn-68

Cross Section -45.31 To 0.494 %

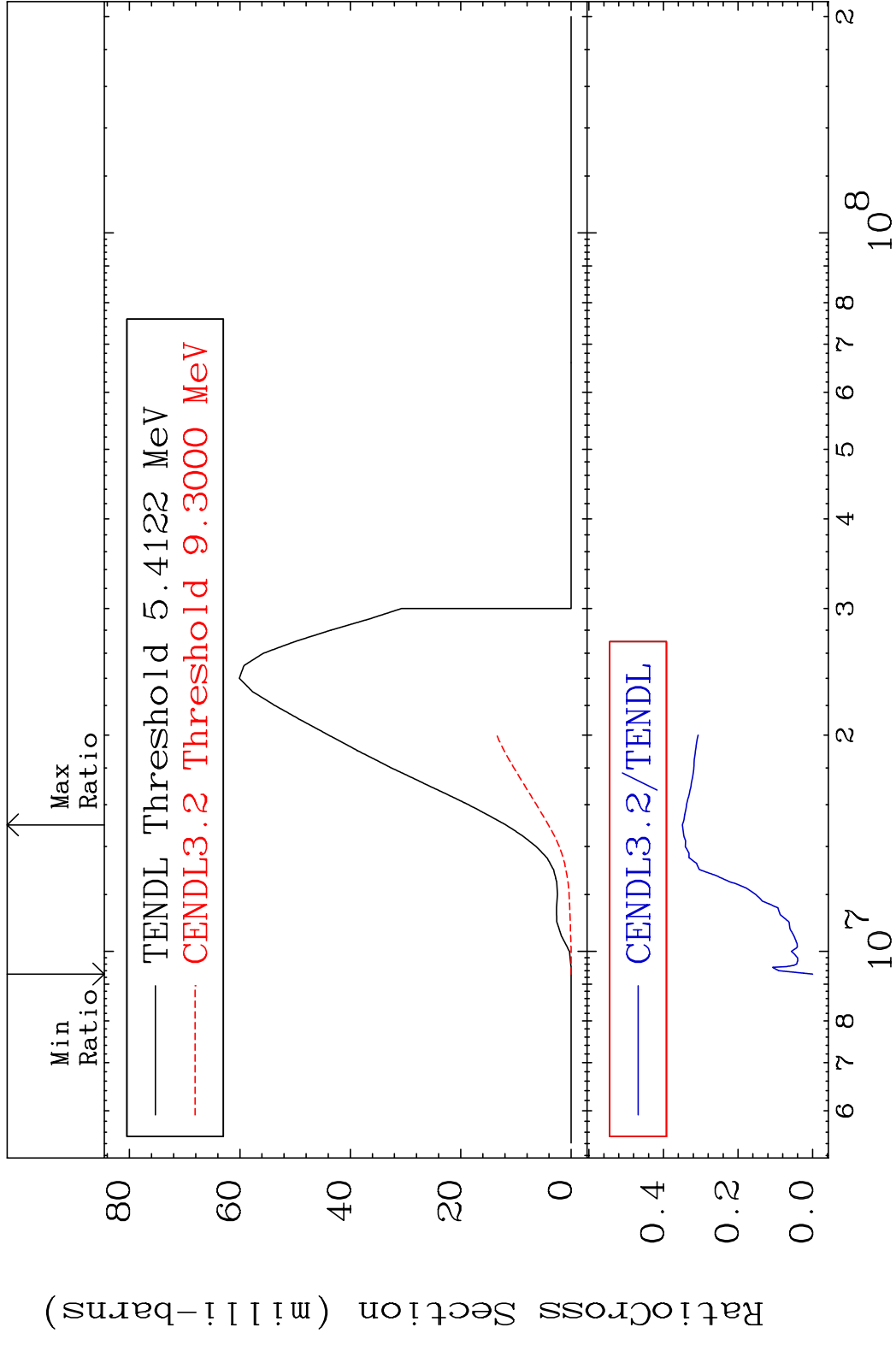


4

Incident Energy (eV)

30-Zn-68

MAT 3037 (n, n') α 30-Zn-68
 Cross Section -100.0 To -65.07%

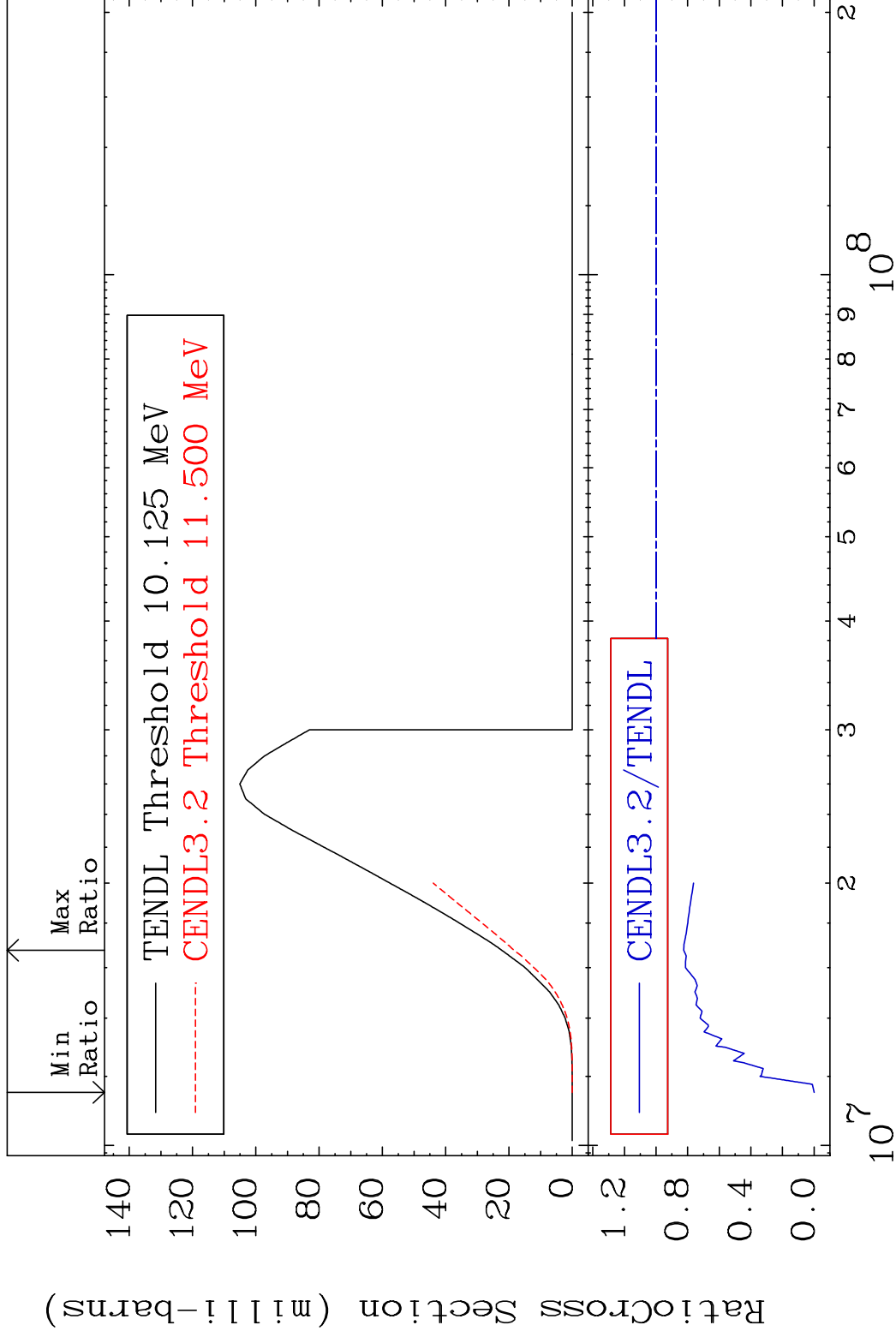


MAT 3037

(n, n') p

30-Zn-68

Cross Section -100.0 To -17.46%

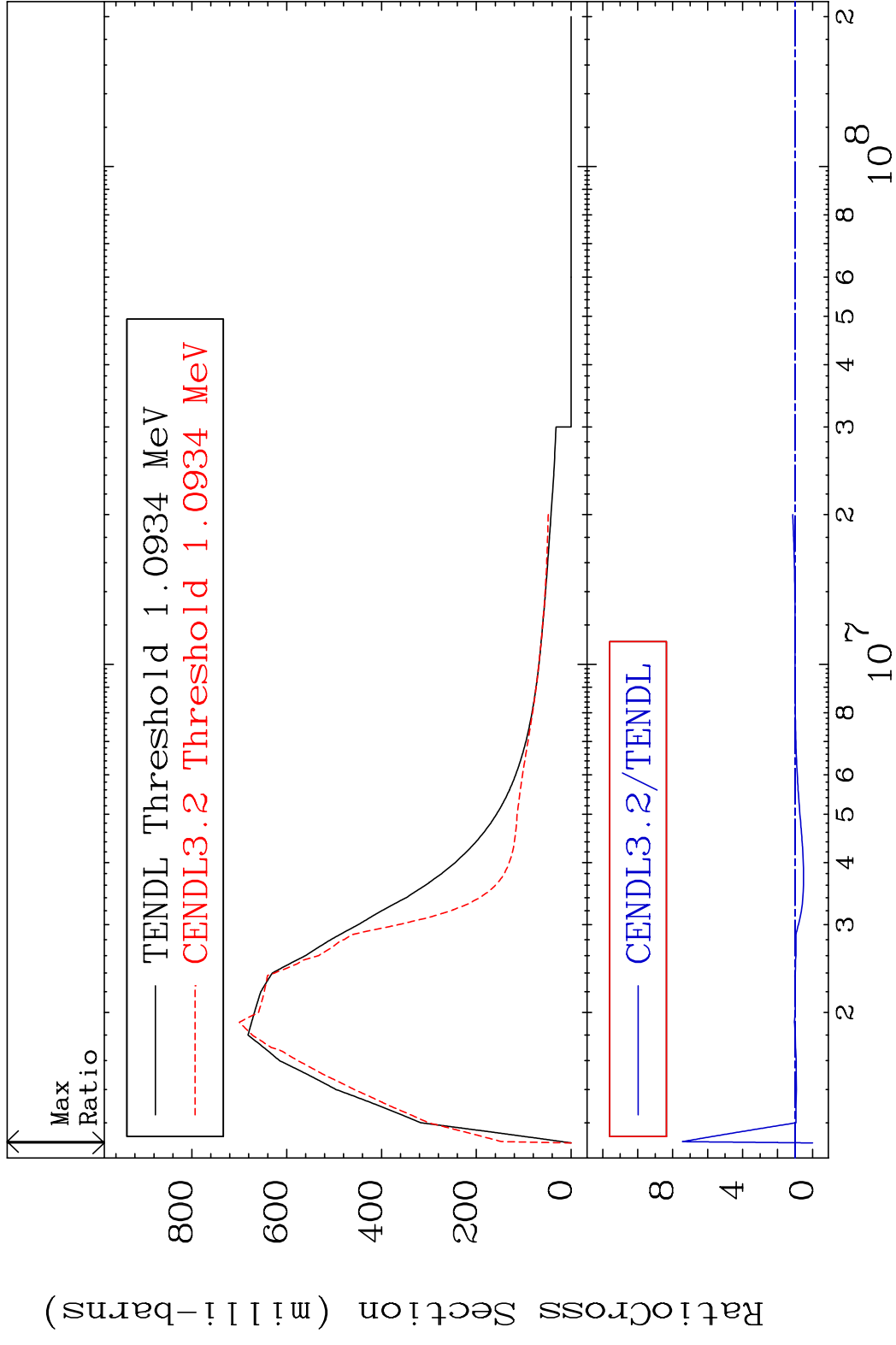


7

Incident Energy (eV)

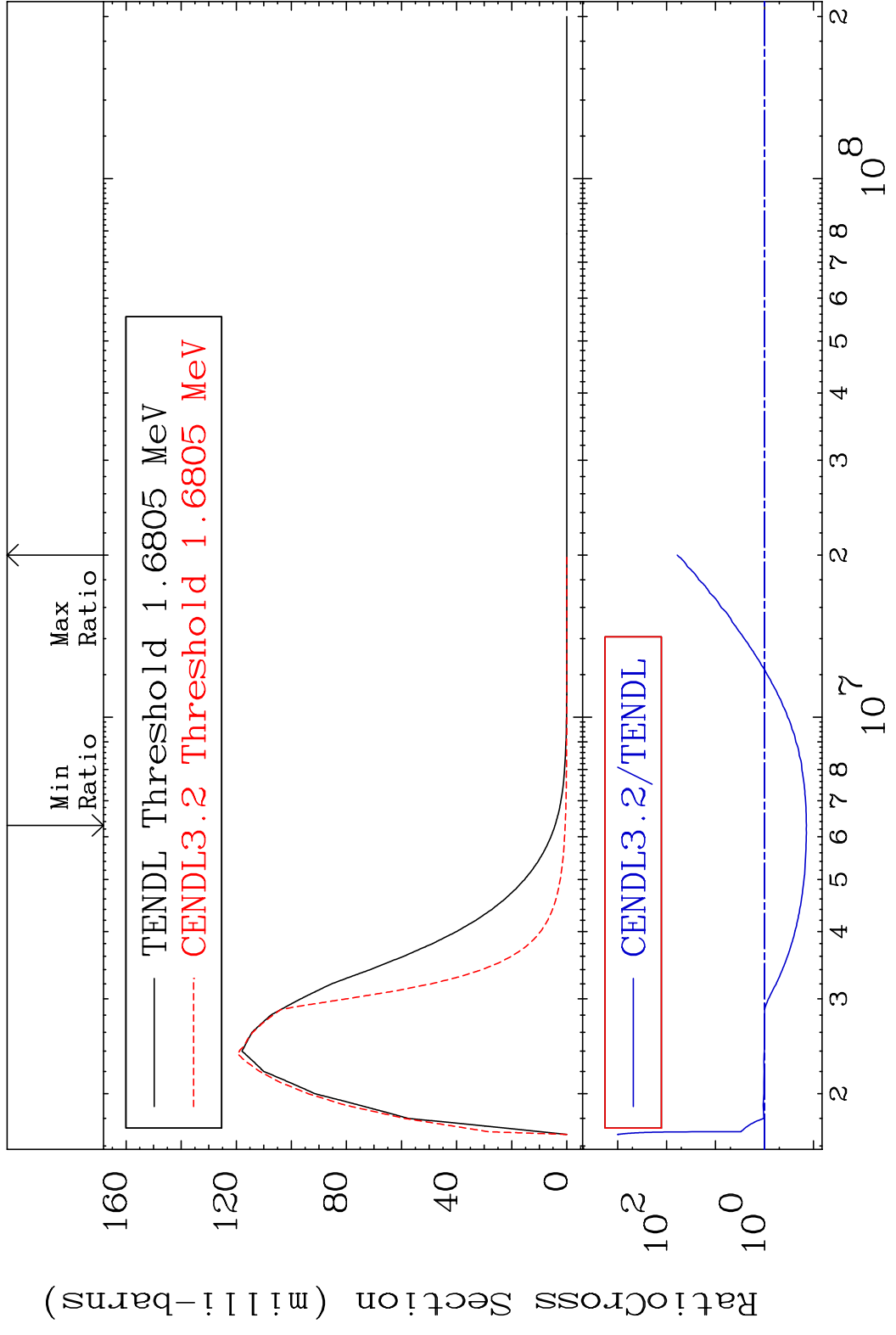
30-Zn-68

MAT 3037 MT= 51 (n, n') Level 30-Zn-68
 Cross Section -100.0 To 644.6 %

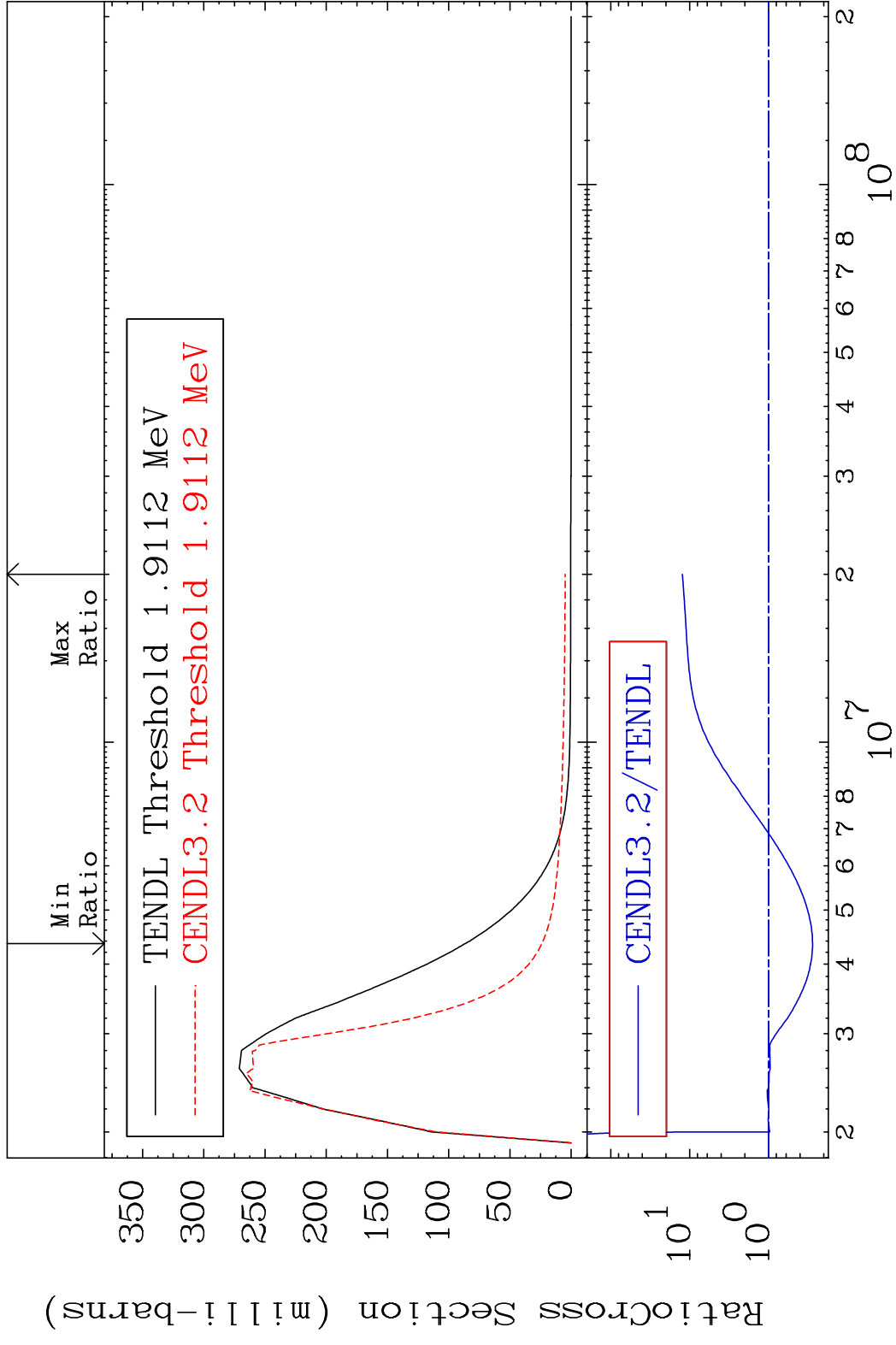


8 Incident Energy (eV) 30-Zn-68

MAT 3037 MT= 52 (n, n') Level 30-Zn-68
 Cross Section -86.05 To 5977. %

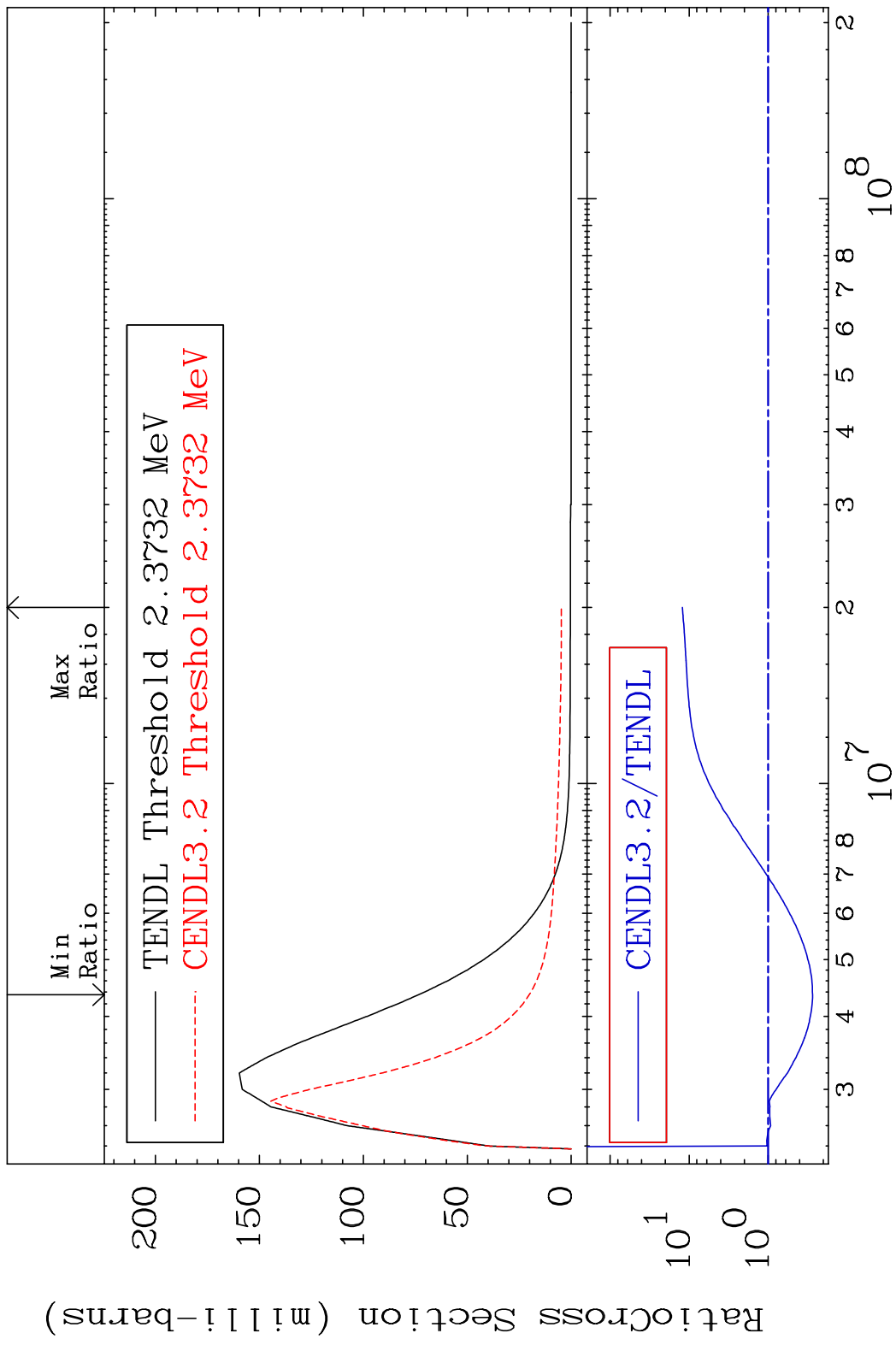


MAT 3037 MT= 53 (n, n') Level 30-Zn-68
 Cross Section -72.28 To 1140. %



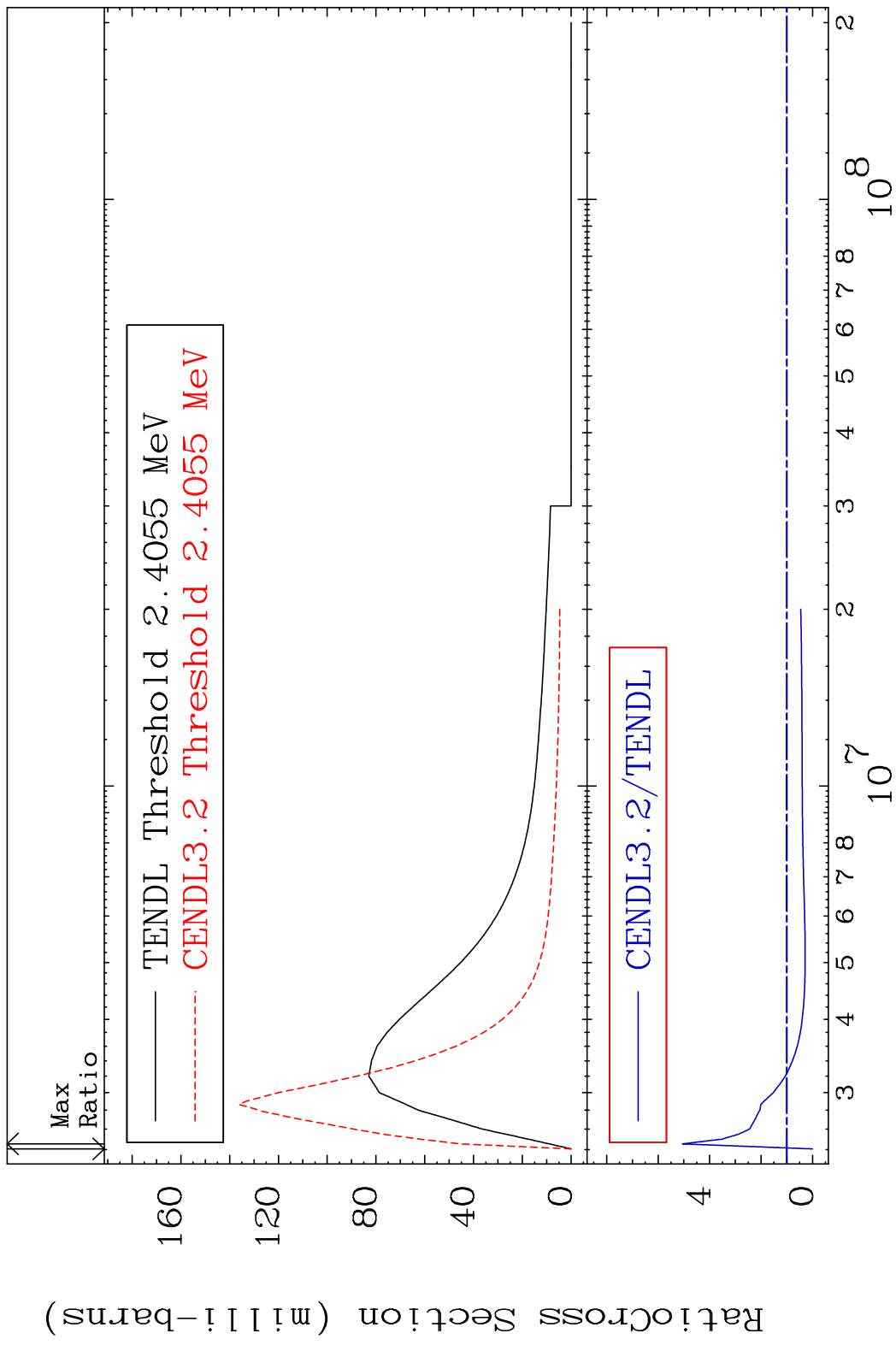
10 Incident Energy (eV) 30-Zn-68

MAT 3037 MT= 54 (n, n') Level 30-Zn-68
 Cross Section -72.55 To 1120. %



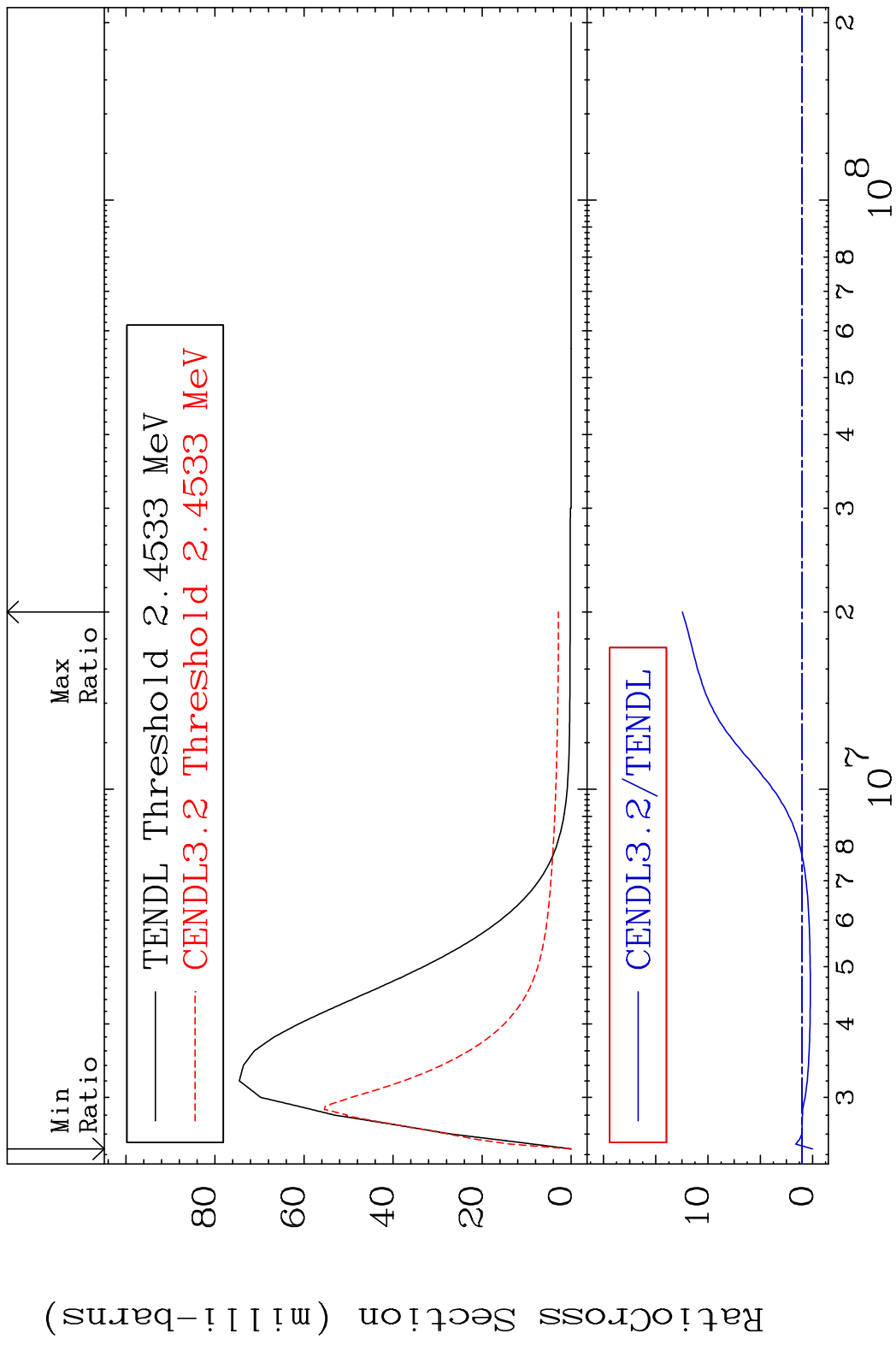
11 Incident Energy (eV) 30-Zn-68

MAT 3037 MT= 55 (n,n') Level 30-Zn-68
 Cross Section -100.0 To 405.8 %

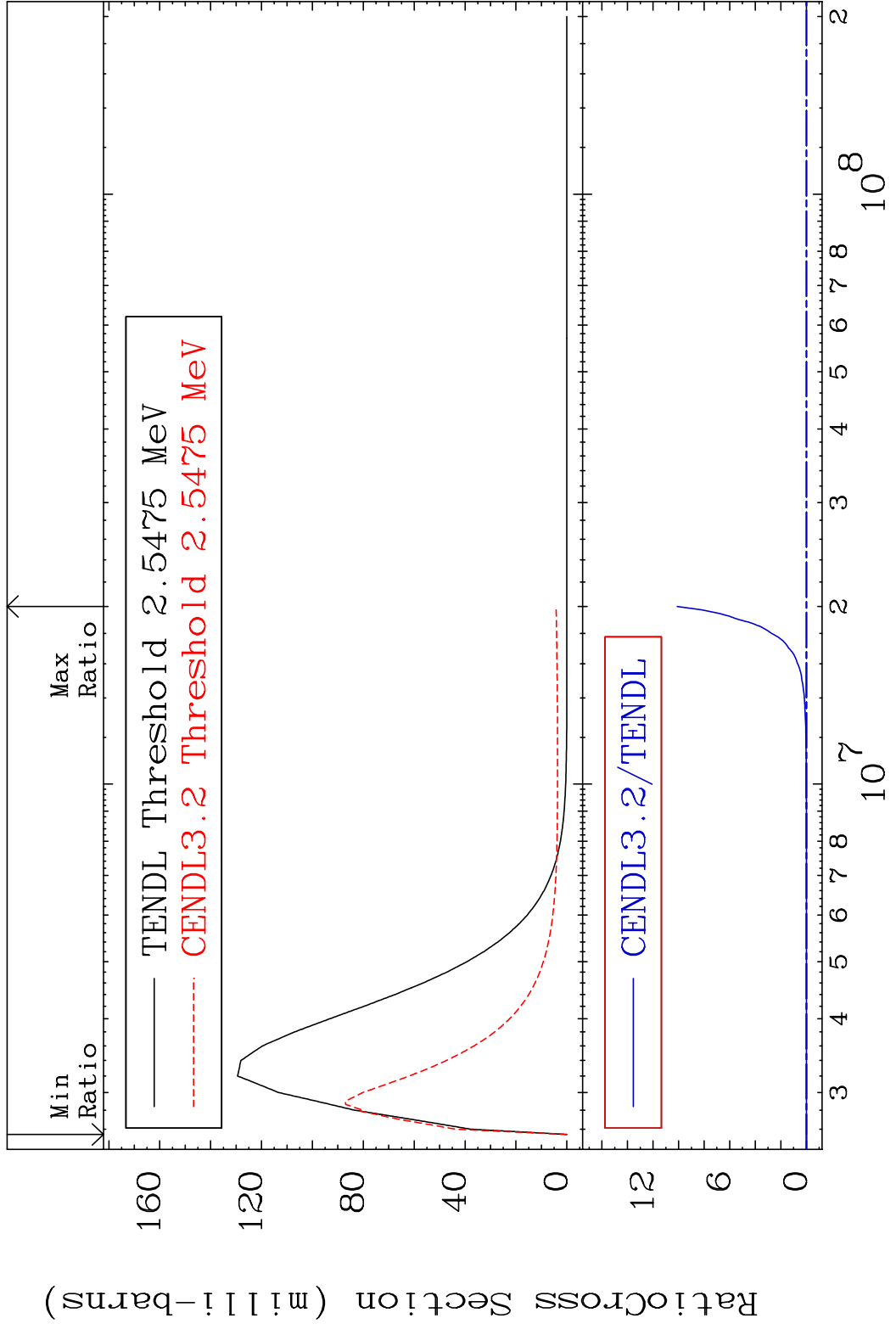


12 30-Zn-68

MAT 3037 MT= 56 (n, n') Level 30-Zn-68
 Cross Section -100.0 To 1146. %

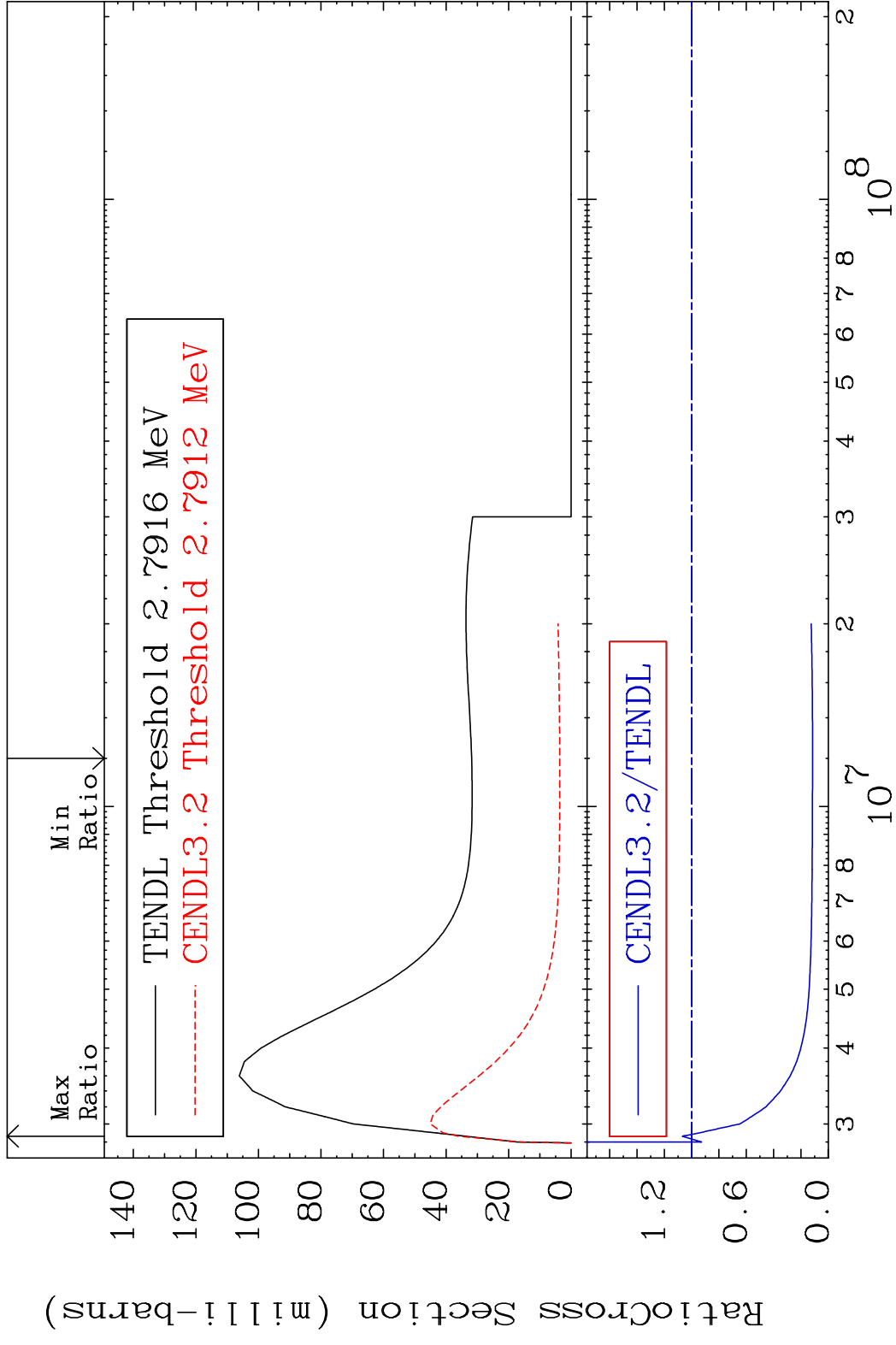


MAT 3037 MT= 57 (n, n') Level 30-Zn-68
 Cross Section -100.0 To 9999. %

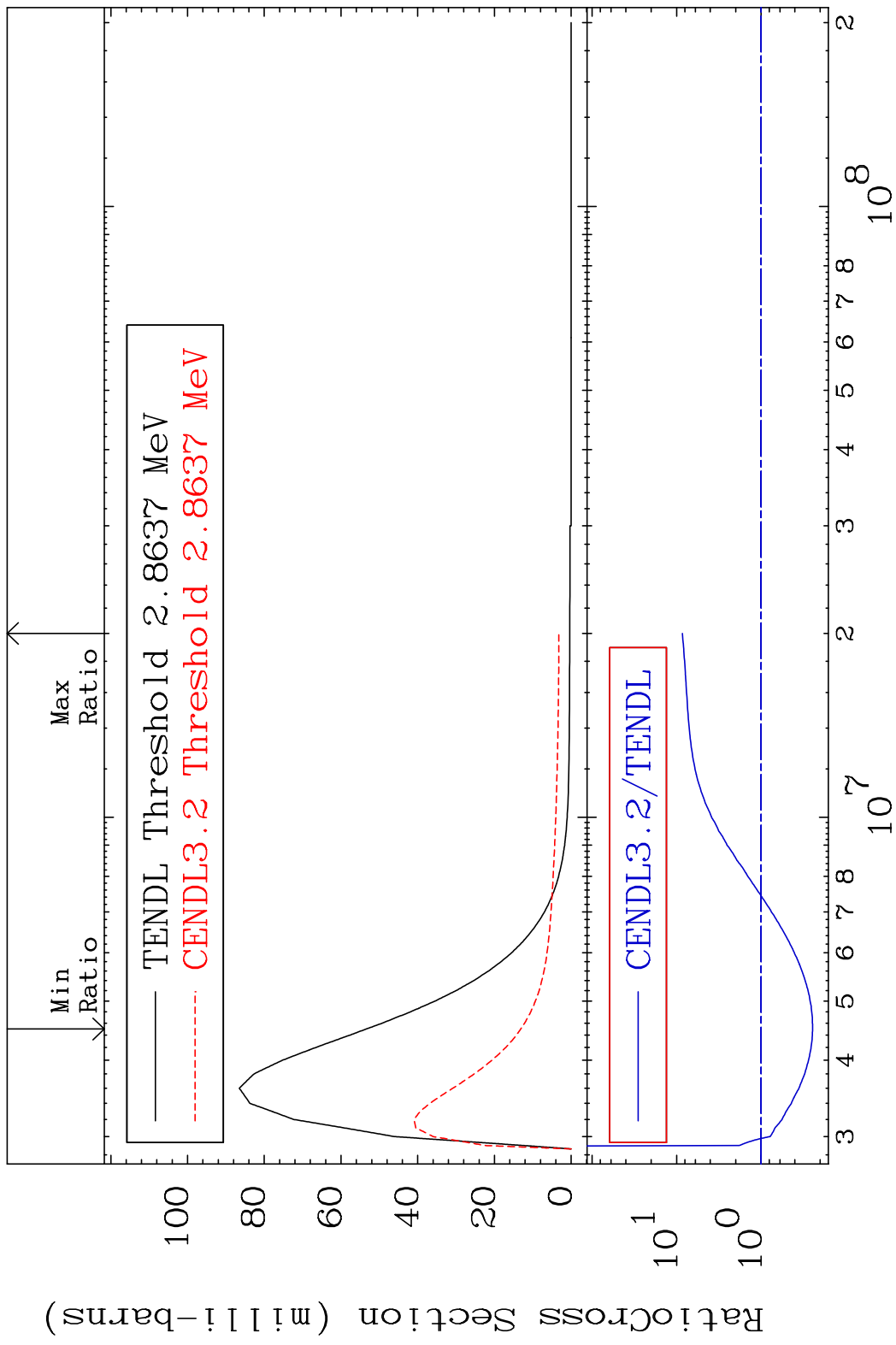


14 30-Zn-68

MAT 3037 MT= 58 (n,n') Level 30-Zn-68
 Cross Section -88.53 To 6.813 %



MAT 3037 MT= 59 (n, n') Level 30-Zn-68
 Cross Section -75.37 To 756.4 %

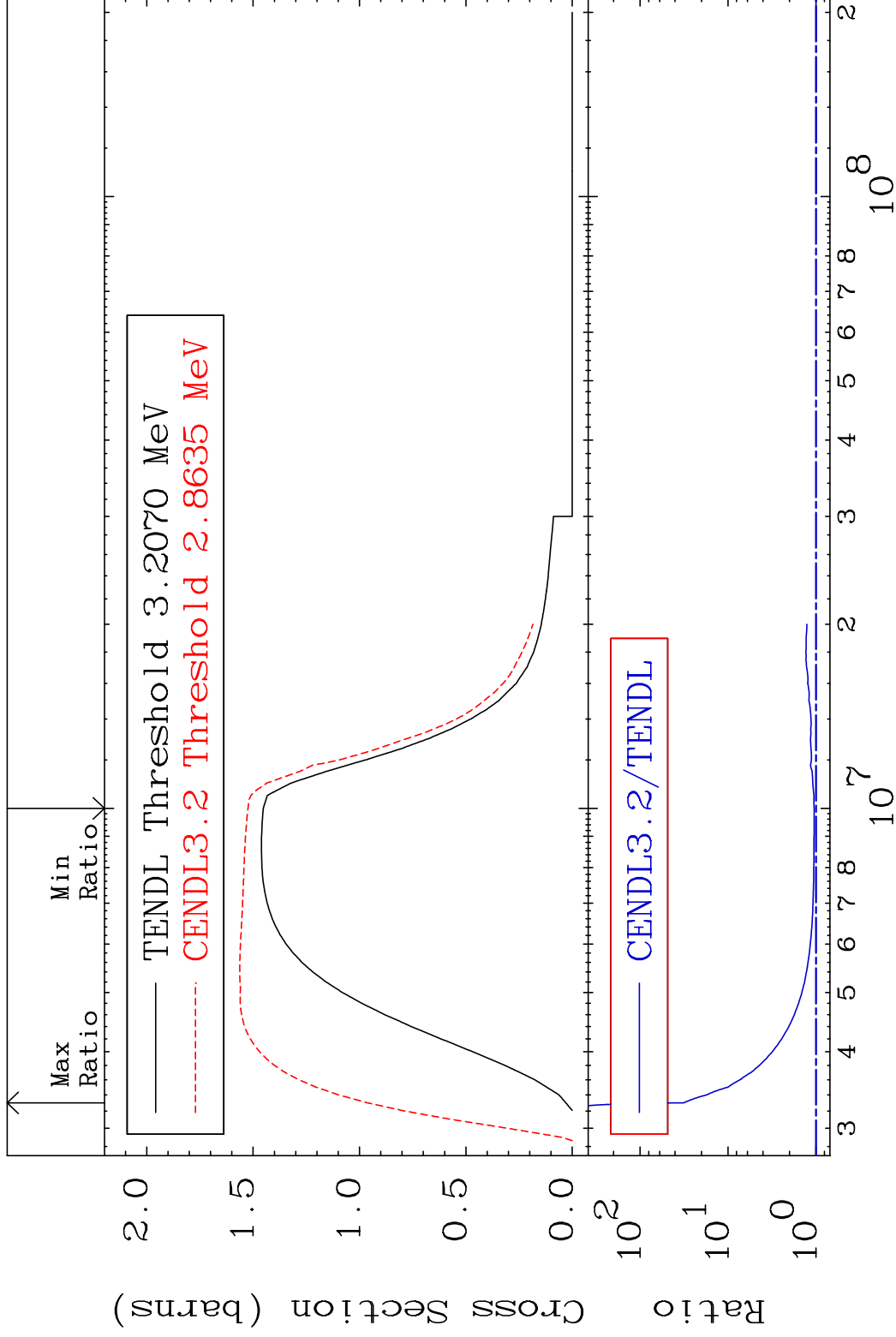


MAT 3037

(n,n') Continuum

30-Zn-68

Cross Section 4.969 To 3097. %



17

Incident Energy (eV)

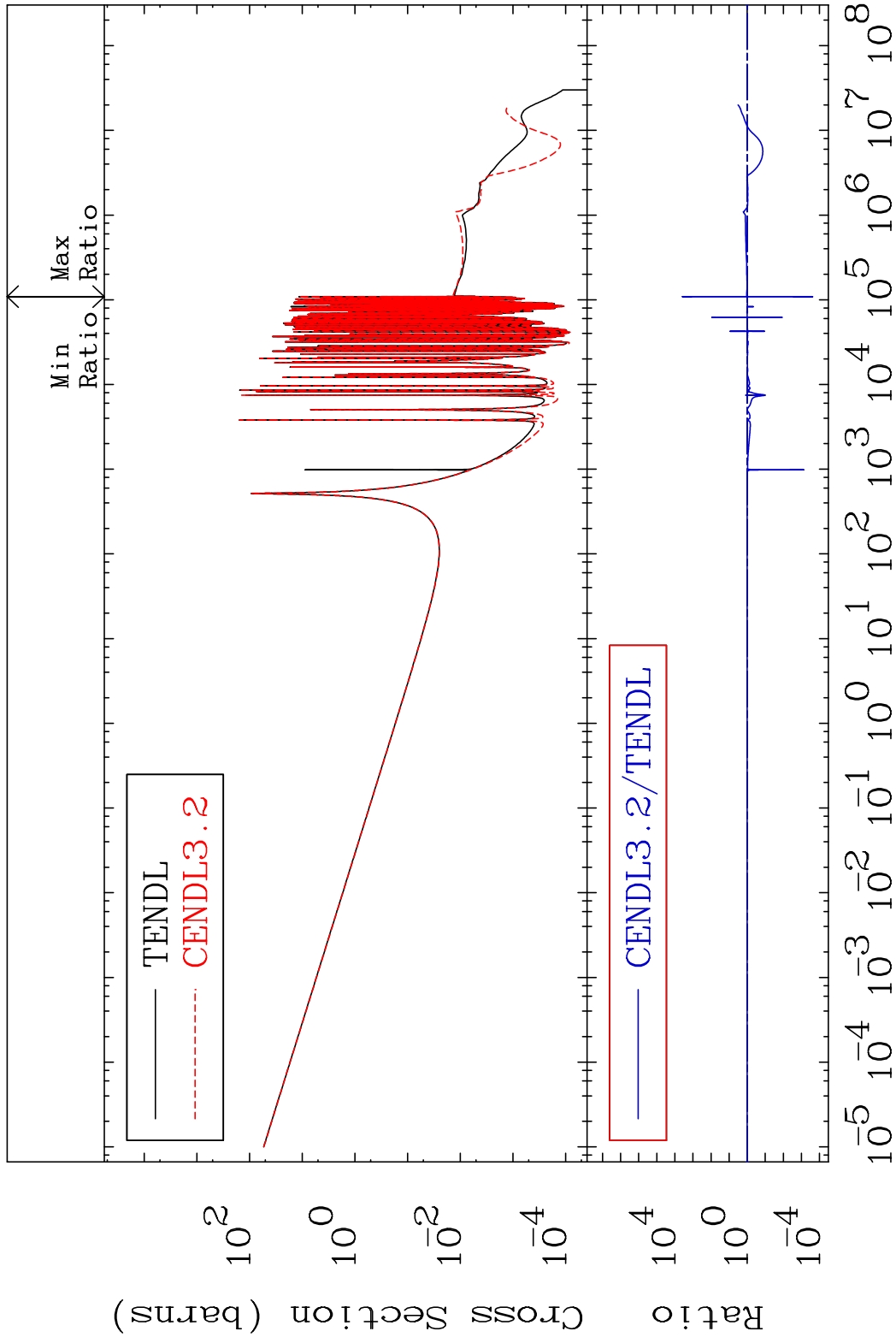
30-Zn-68

MAT 3037

(n, γ)

30-Zn-68

Cross Section -99.98 To 9999. %



18

Incident Energy (eV)

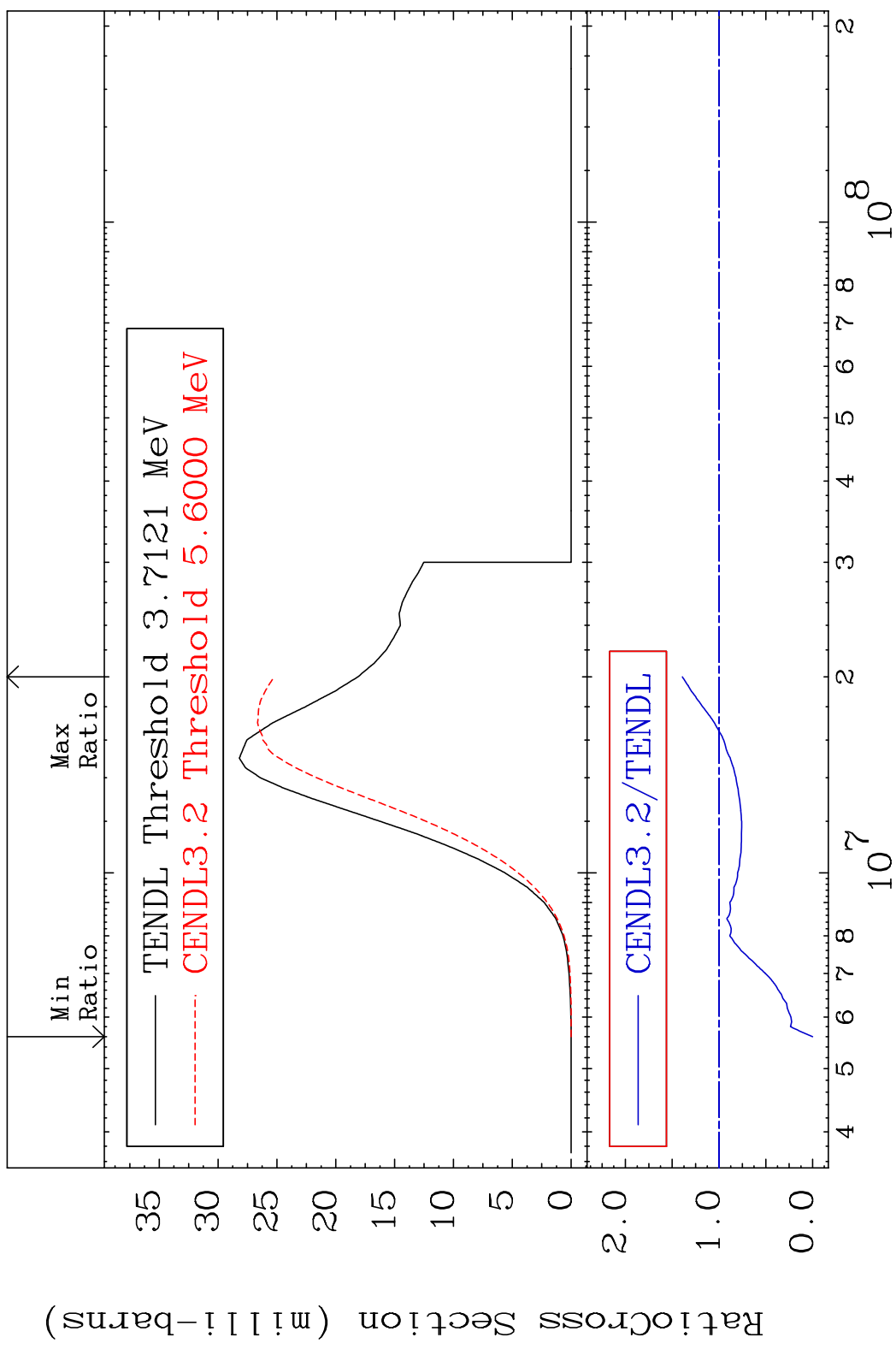
30-Zn-68

MAT 3037

(n, p)

30-Zn-68

Cross Section -100.0 To 39.18 %

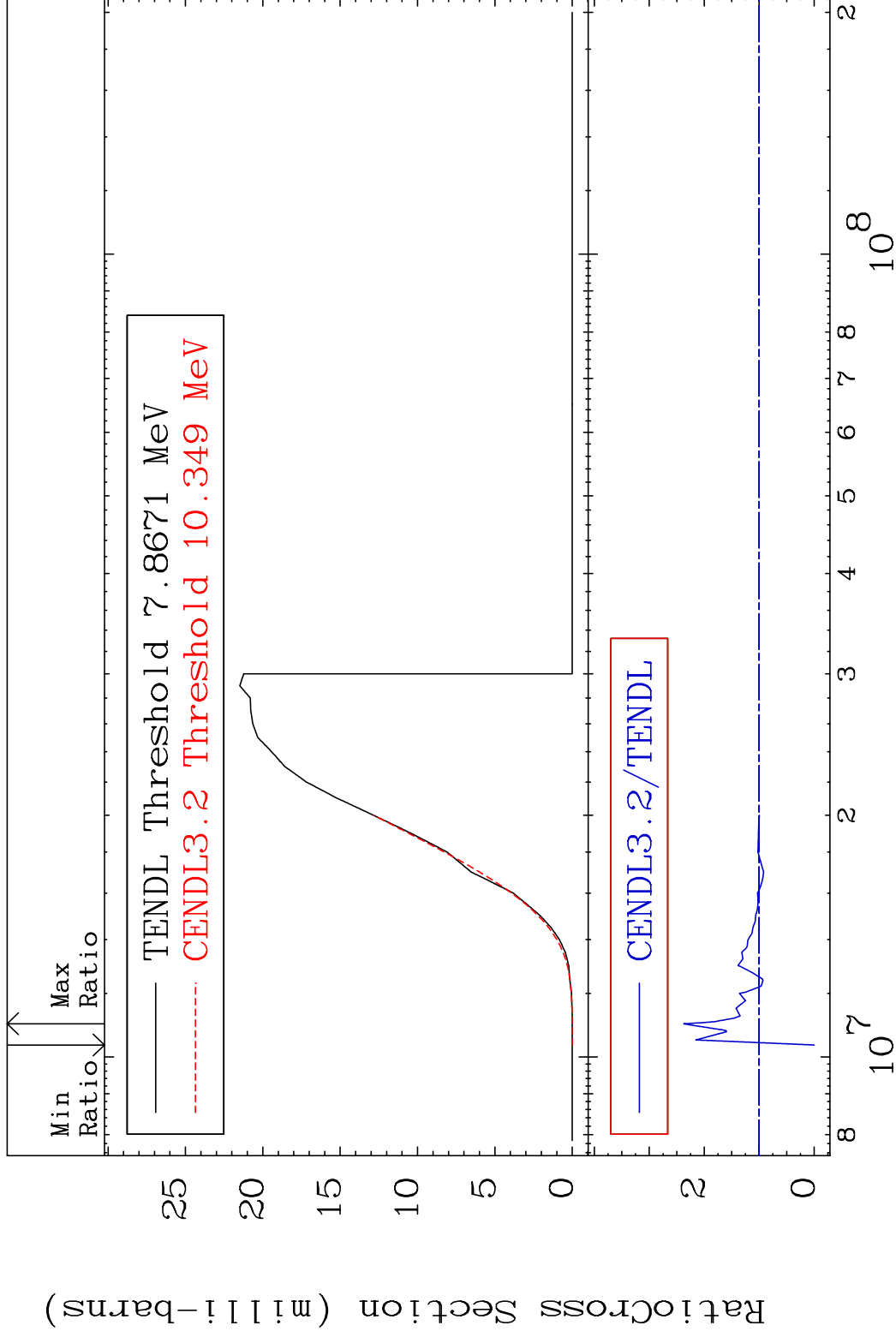


MAT 3037

(n, d)

30-Zn-68

Cross Section -100.0 To 137.4 %



20

Incident Energy (eV)

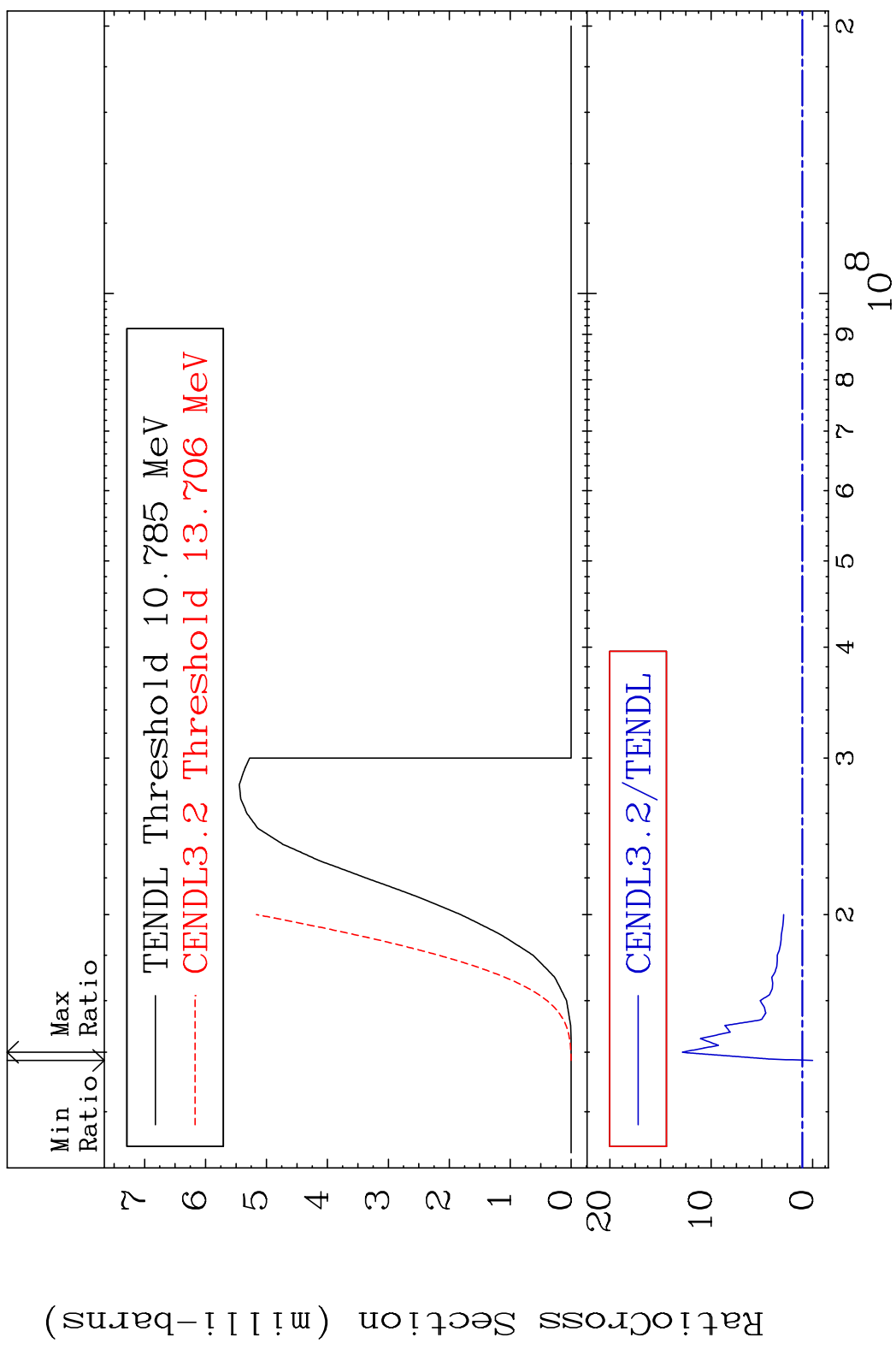
30-Zn-68

MAT 3037

(n, t)

30-Zn-68

Cross Section -100.0 To 1184. %

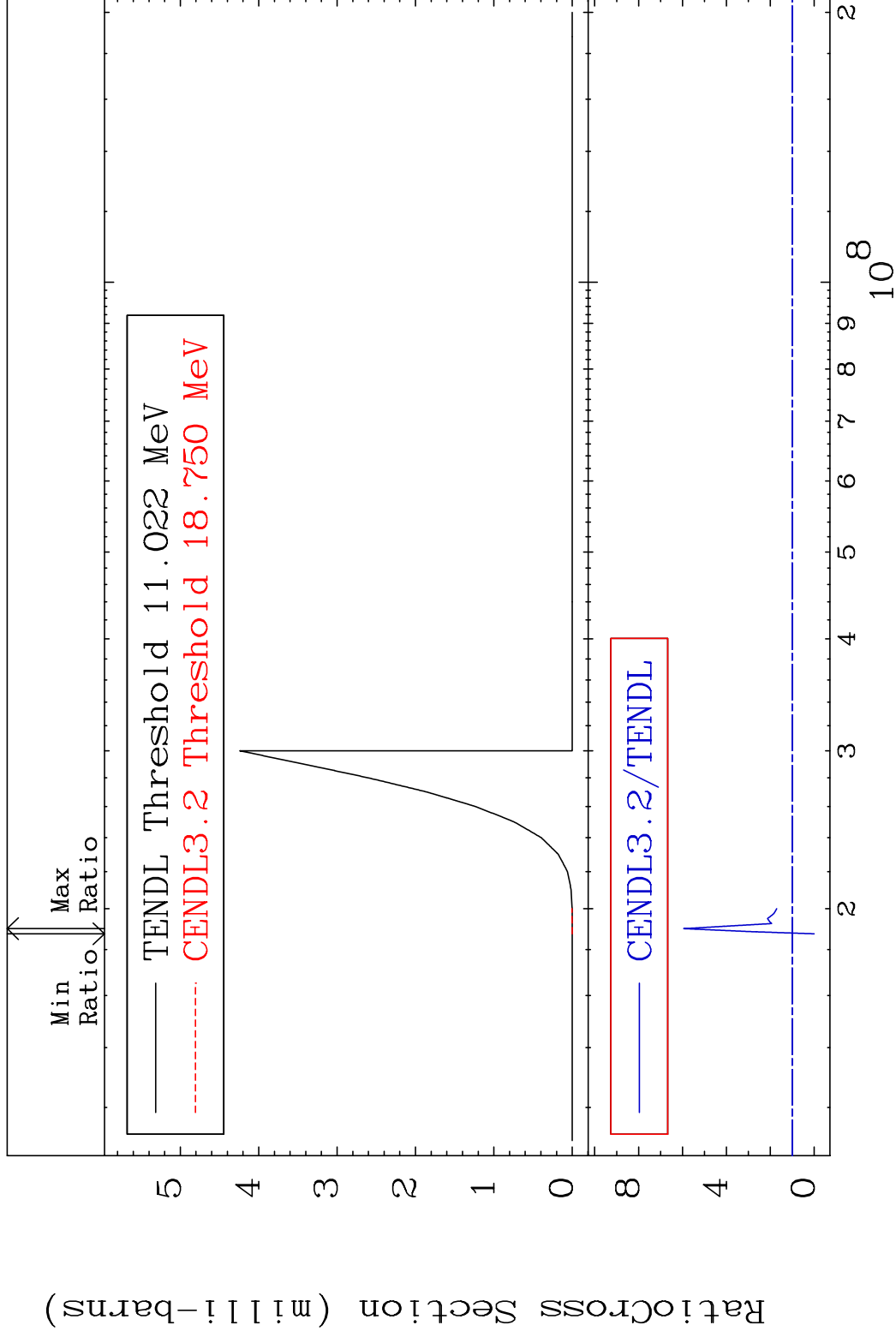


MAT 3037

(n, He-3)

30-Zn-68

Cross Section -100.0 To 494.5 %



22

Incident Energy (eV)

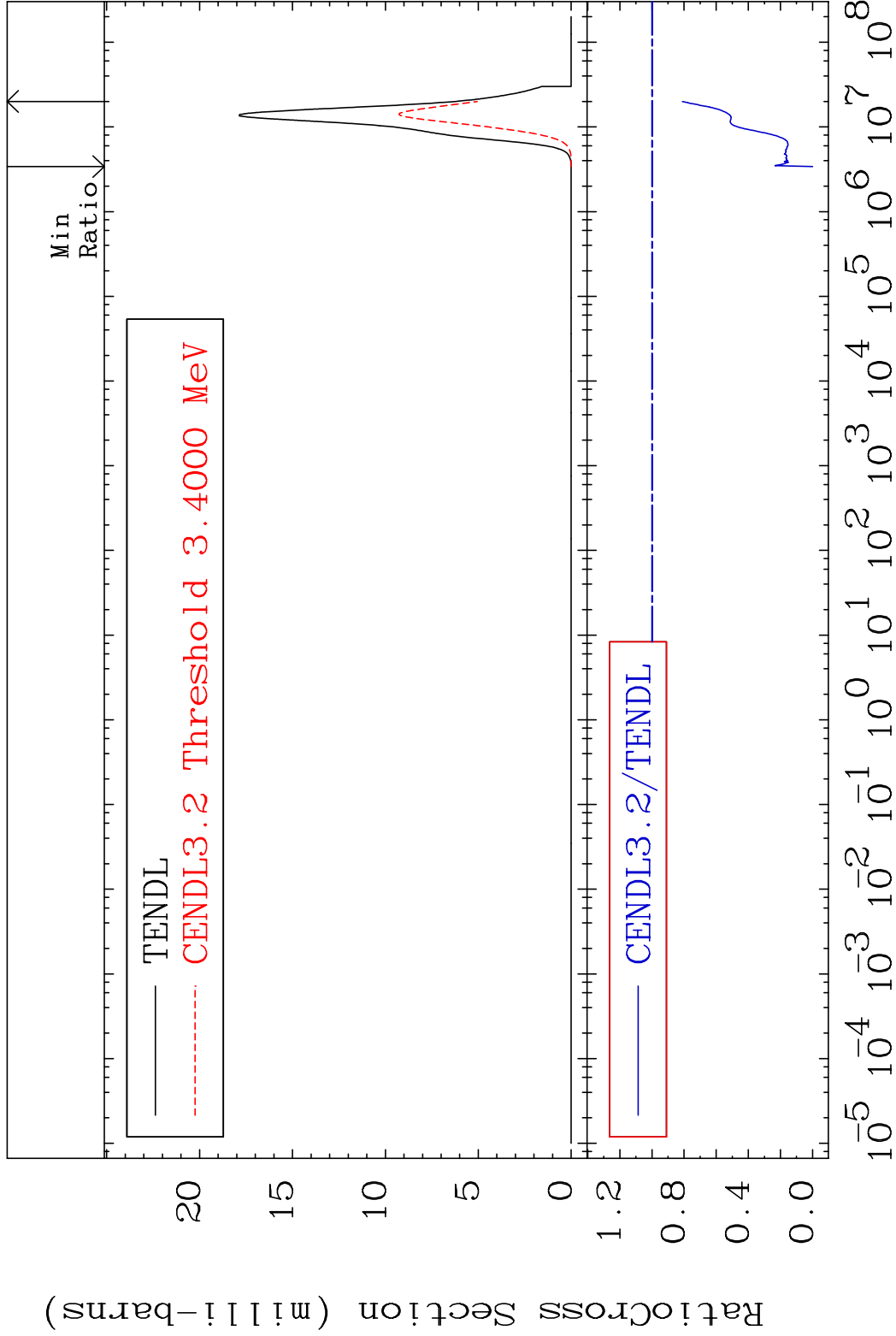
30-Zn-68

MAT 3037

(n, α)

30-Zn-68

Cross Section -100.0 To -18.91%



23

Incident Energy (eV)

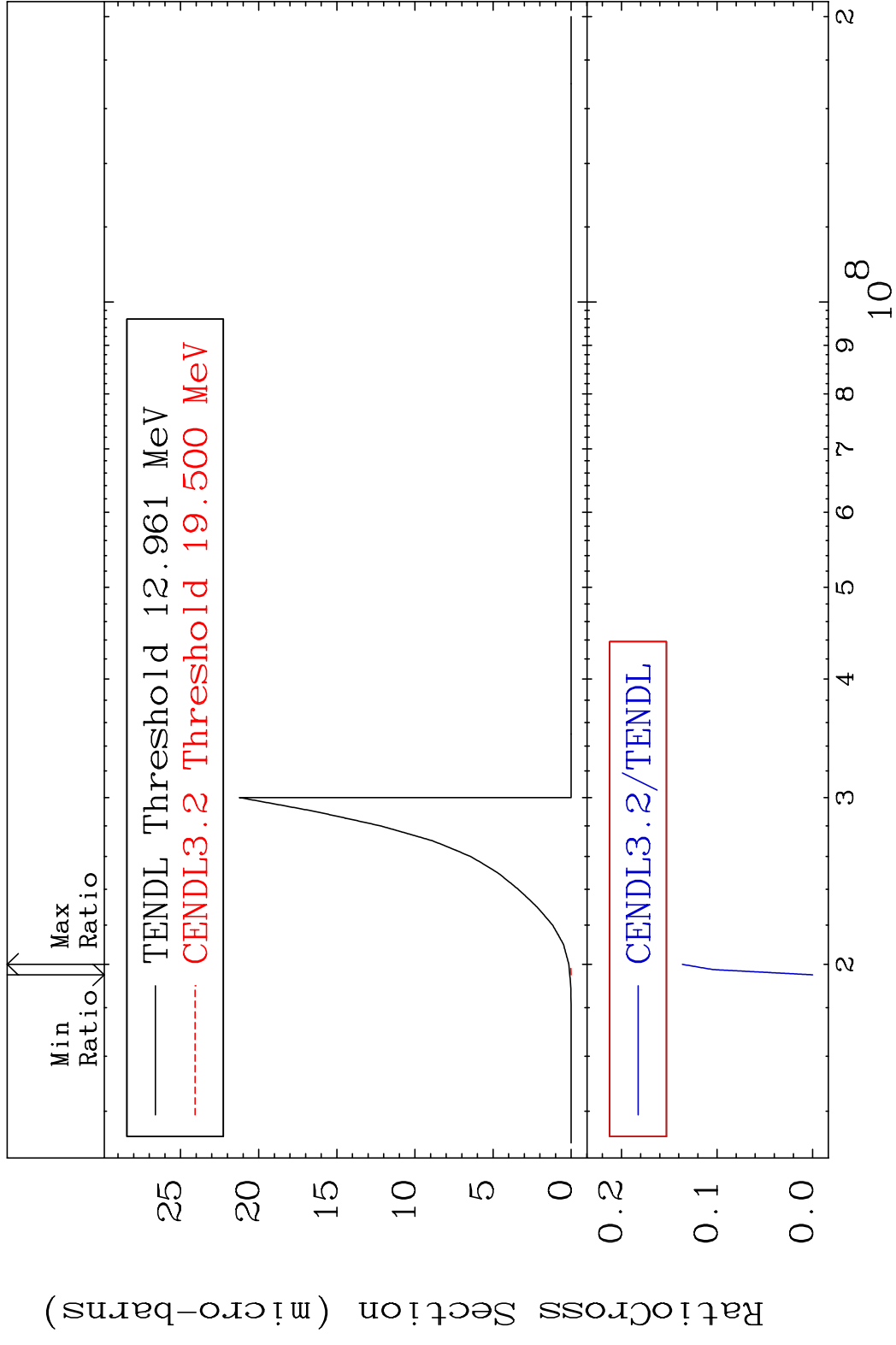
30-Zn-68

MAT 3037

(n,2p)

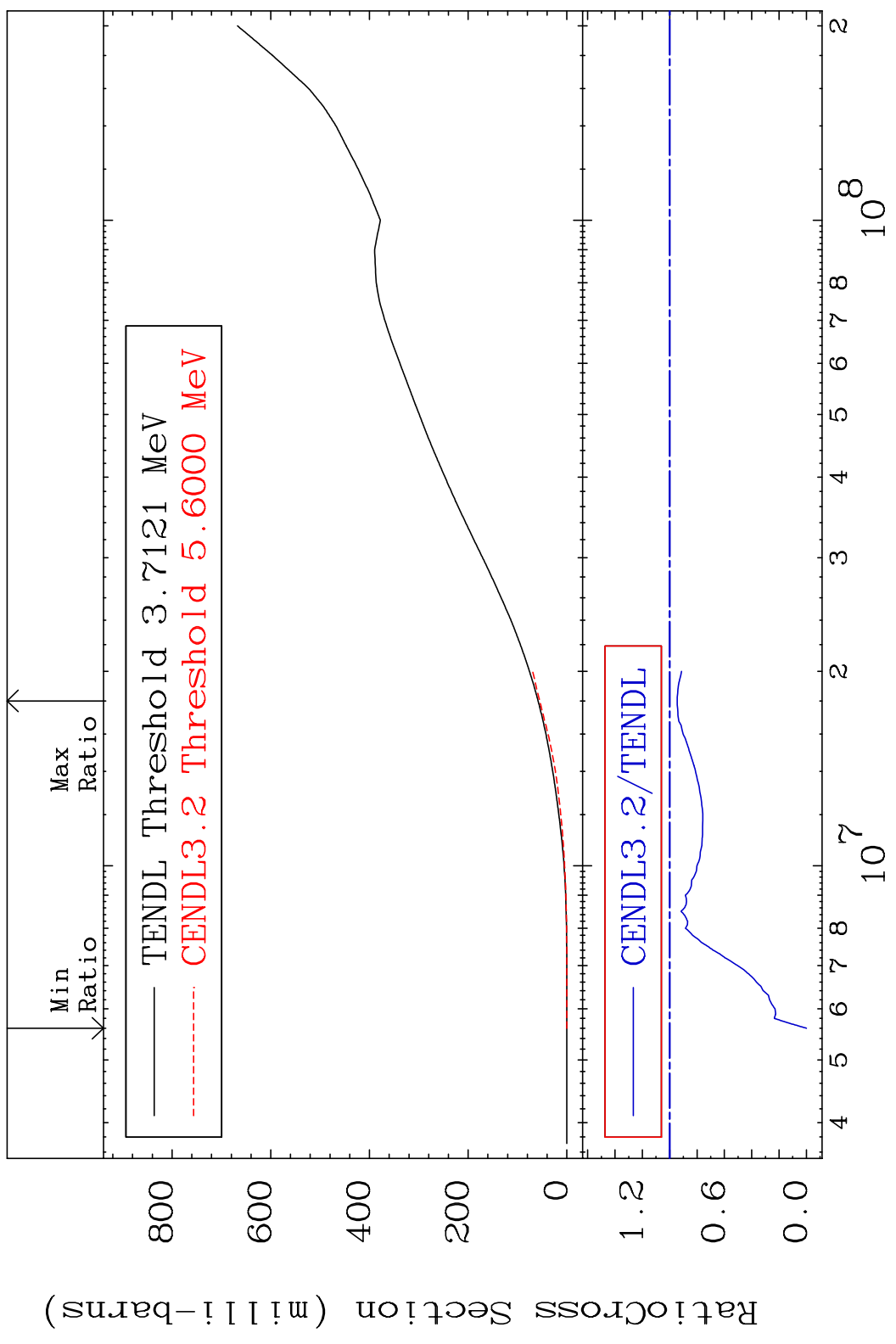
30-Zn-68

Cross Section -100.0 To -86.37%



MAT 3037

Hydrogen Production 30-Zn-68
Cross Section -100.0 To -5.467%



25

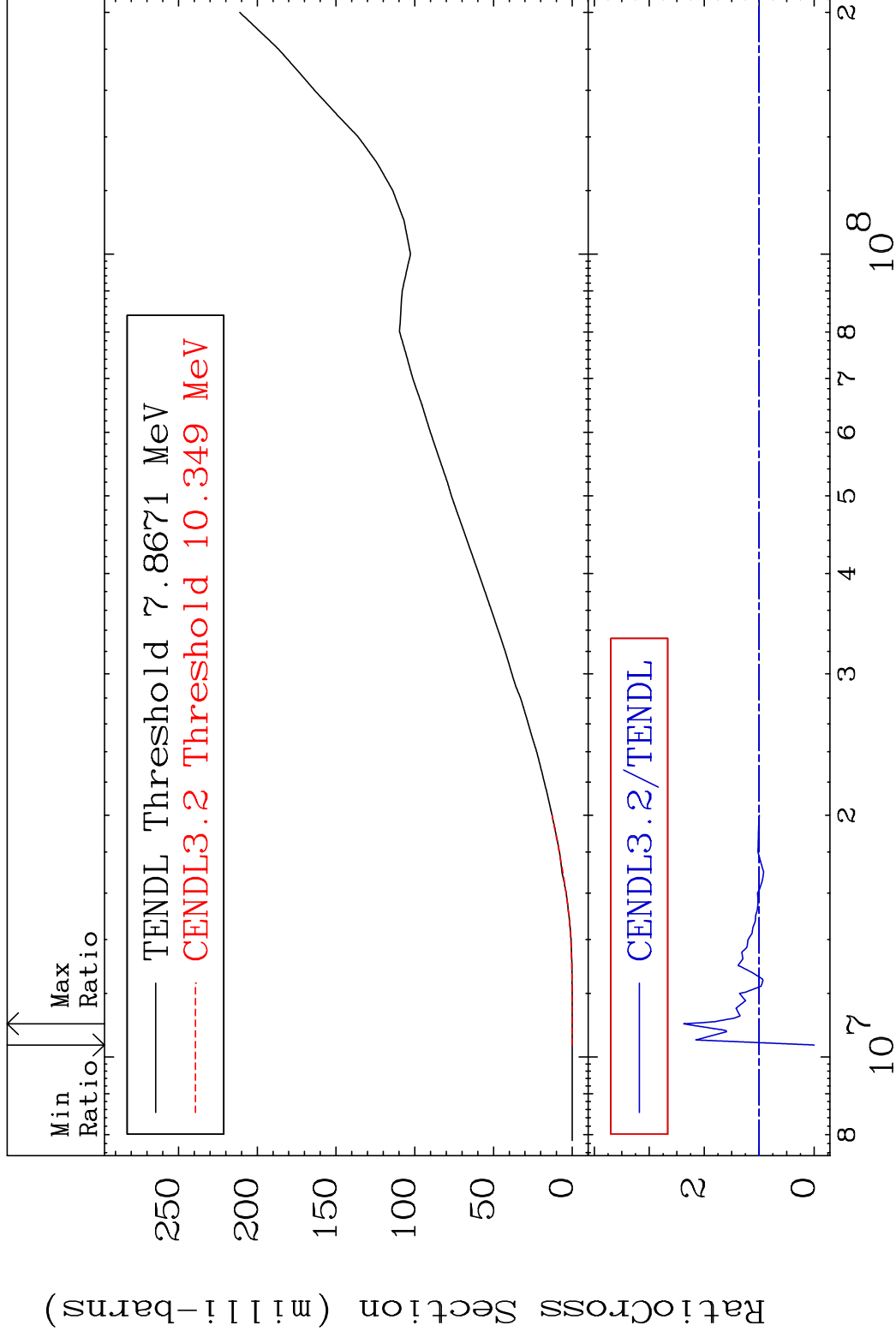
Incident Energy (eV) 30-Zn-68

MAT 3037

Deuterium Production

30-Zn-68

Cross Section -100.0 To 137.4 %

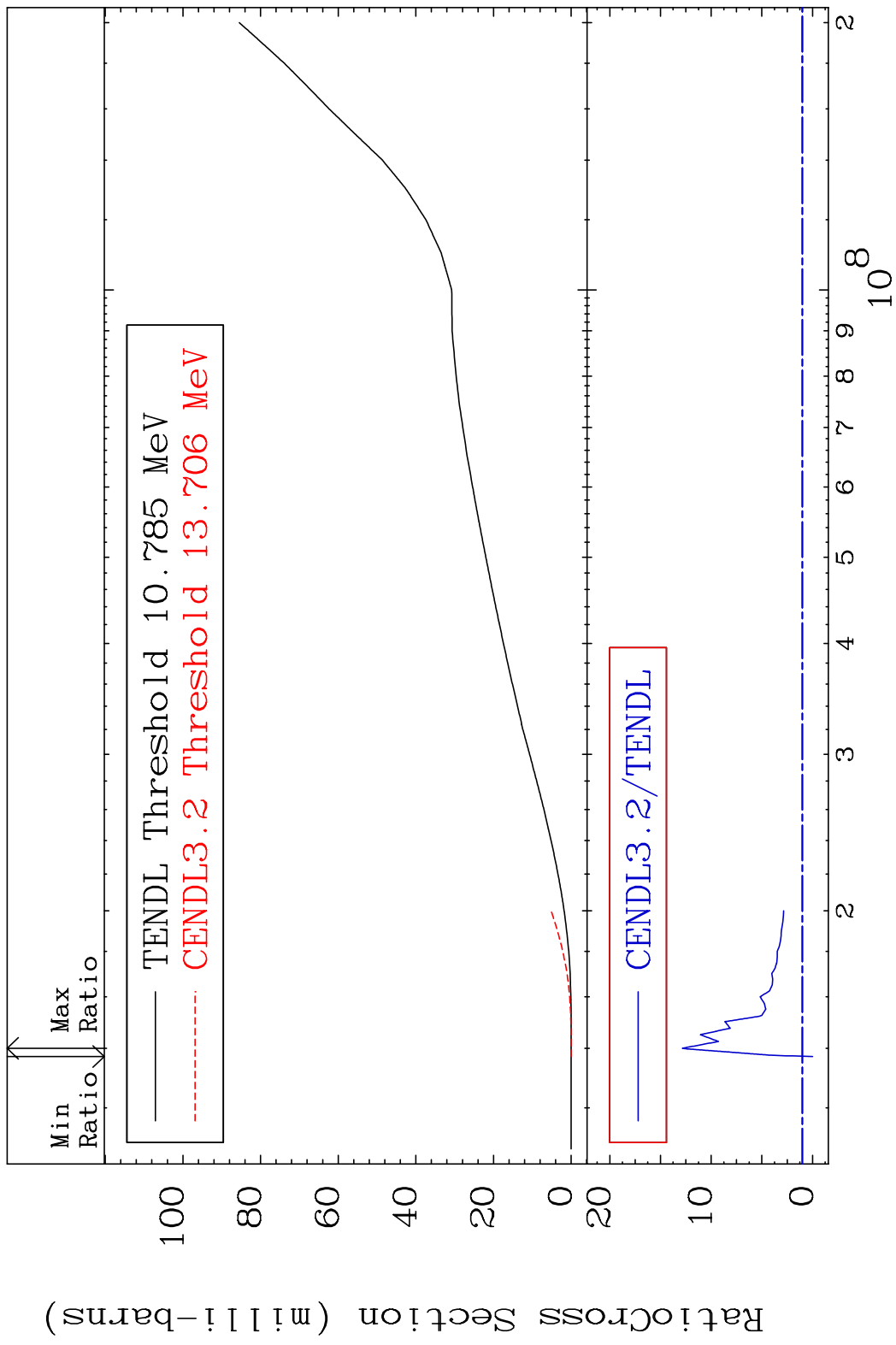


26

Incident Energy (eV)

30-Zn-68

MAT 3037 Tritium Production 30-Zn-68
 Cross Section -100.0 To 1184. %

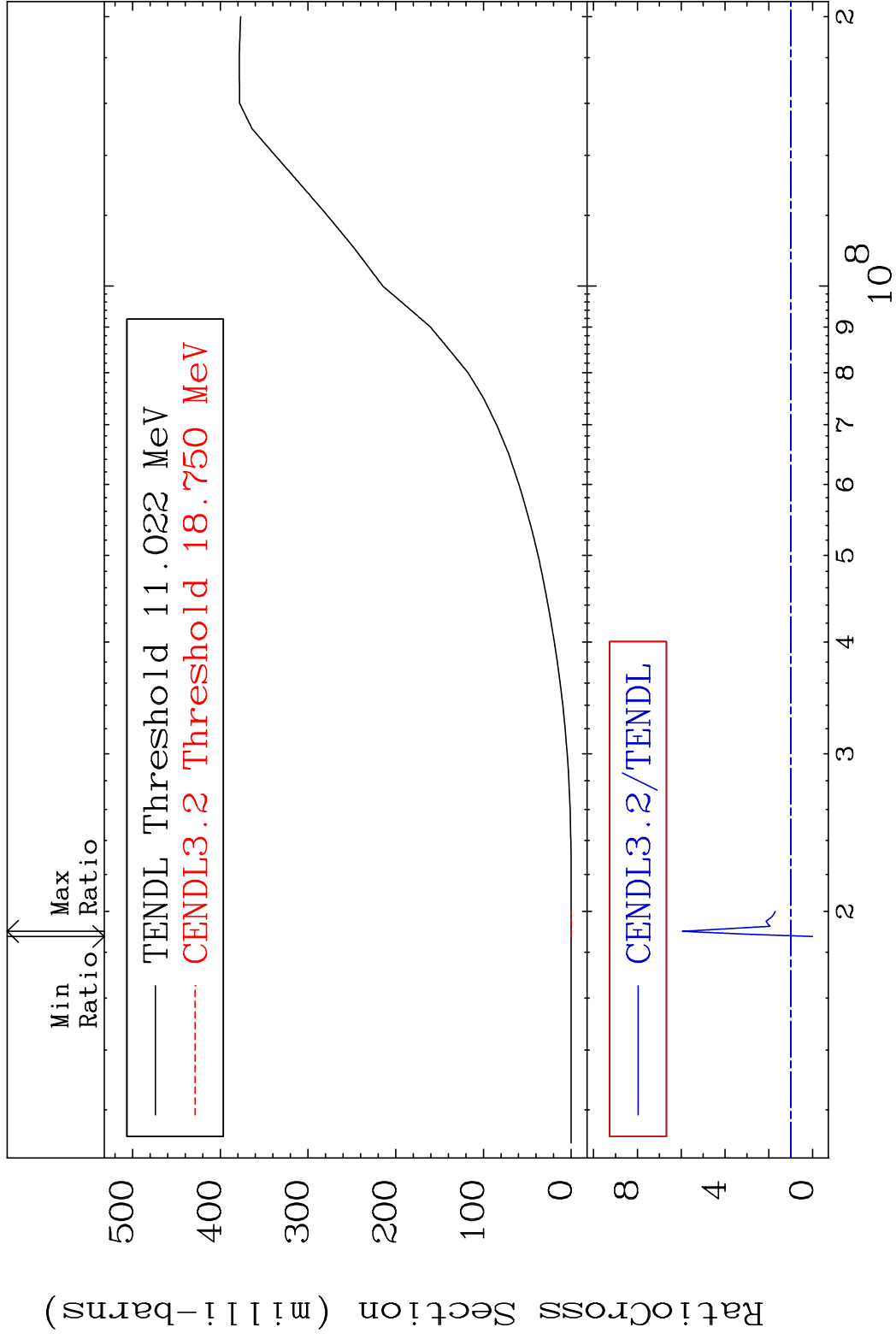


MAT 3037

He-3 Production

30-Zn-68

Cross Section -100.0 To 494.5 %



28

Incident Energy (eV)

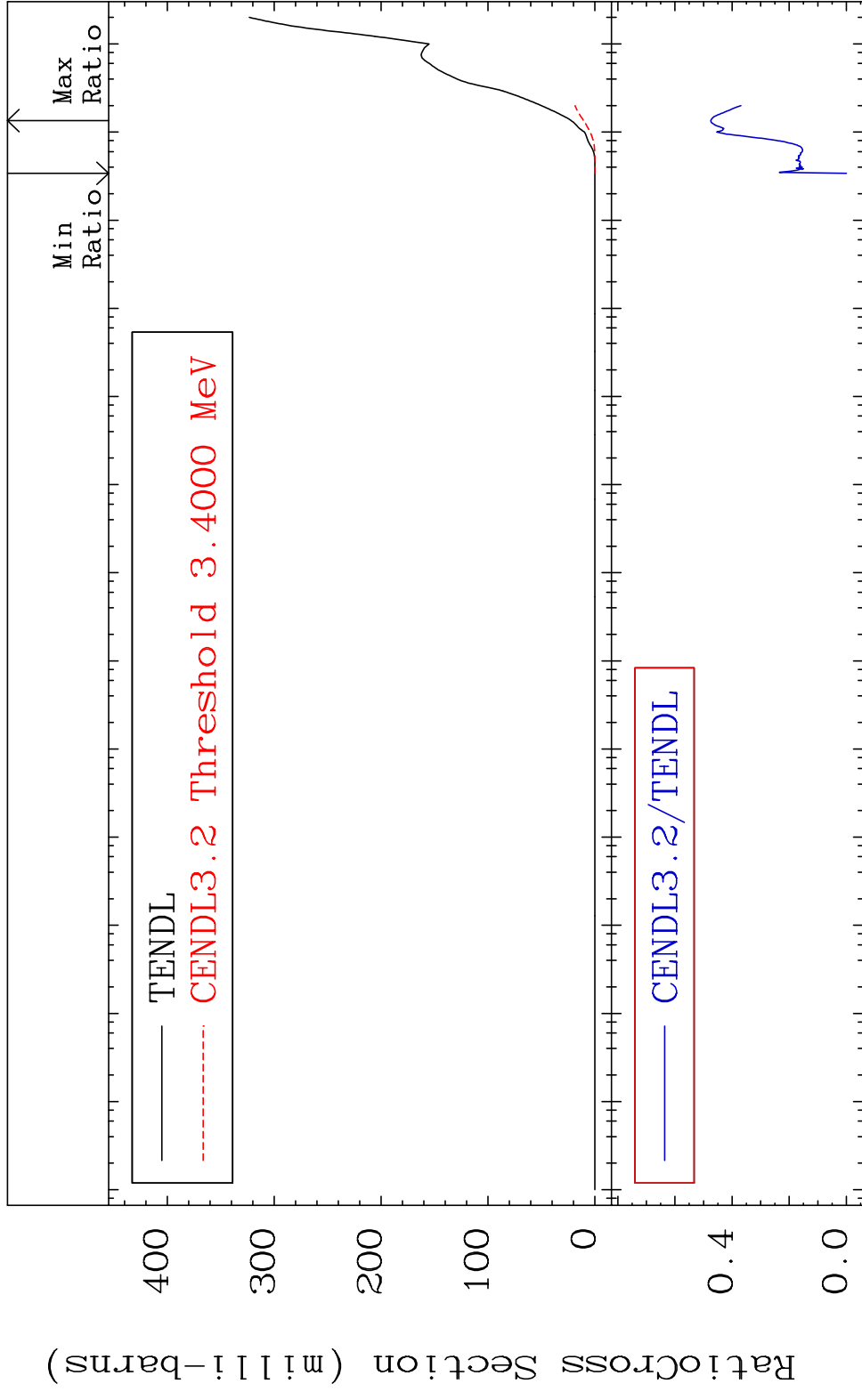
30-Zn-68

MAT 3037

He-4 Production

30-Zn-68

Cross Section -100.0 To -52.52%

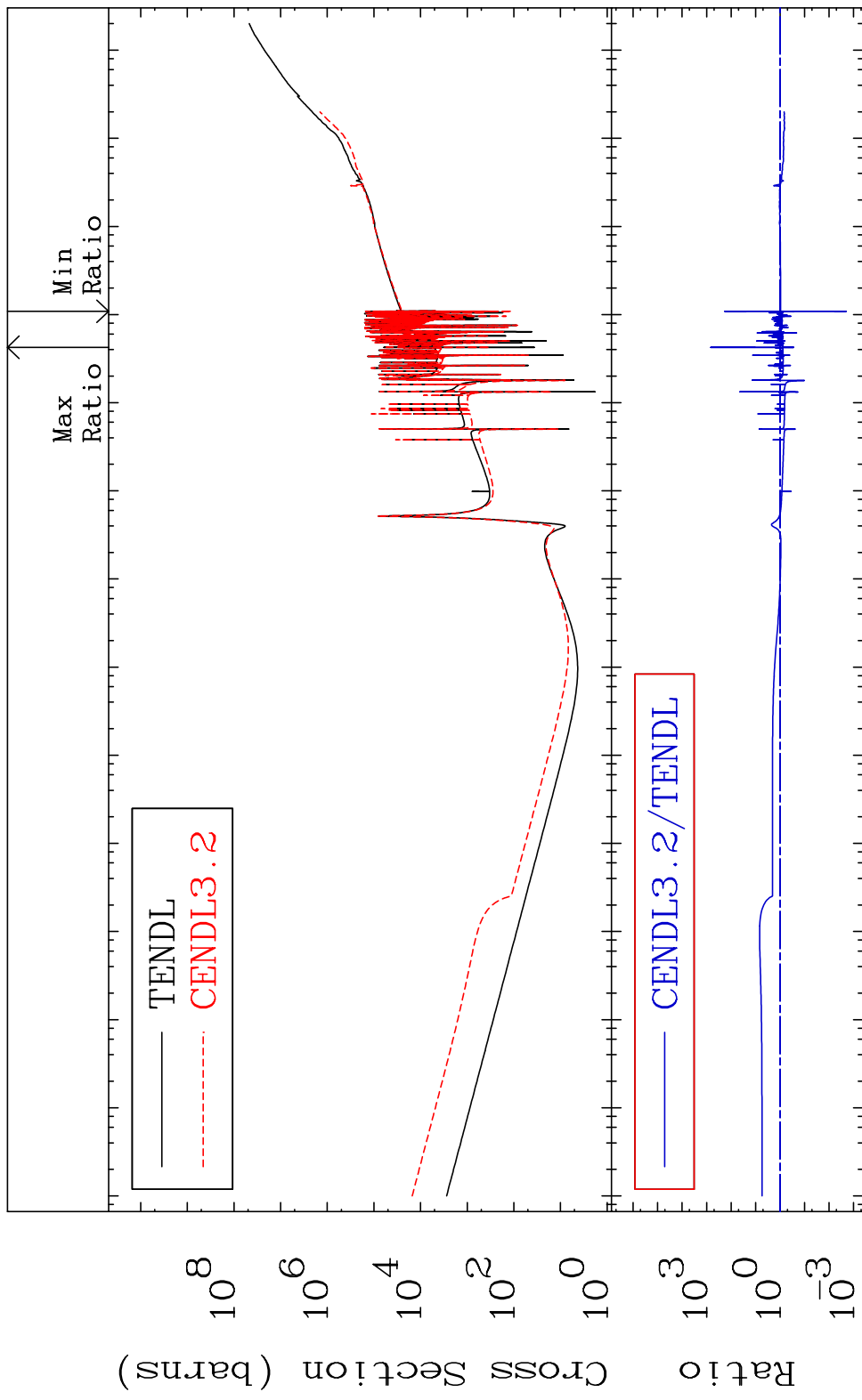


29

Incident Energy (eV)

30-Zn-68

MAT 3037 Kerma total (eV-barns) 30-Zn-68
 Cross Section -99.80 To 9999. %

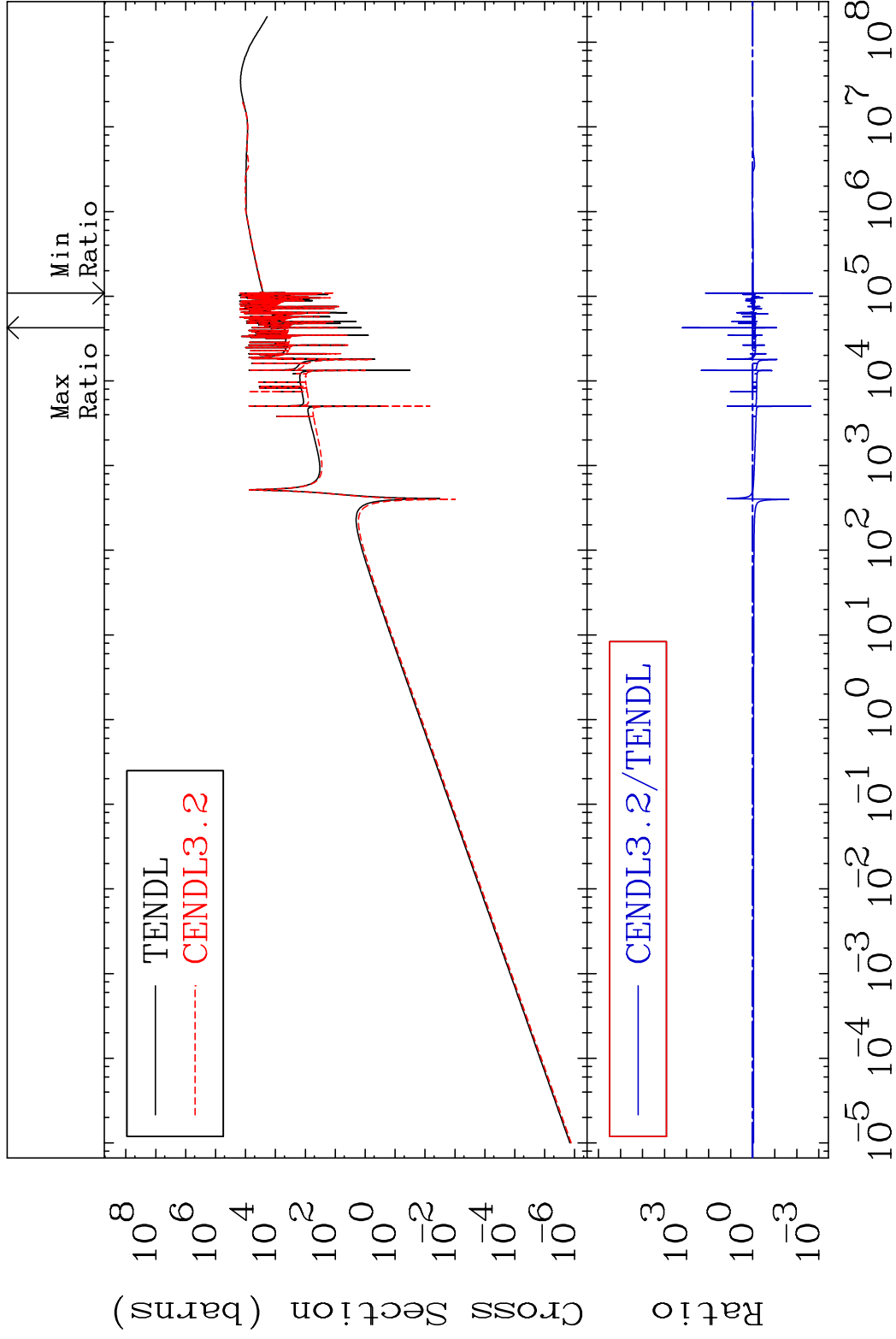


30 Incident Energy (eV) 30-Zn-68

MAT 3037

Kerma elastic
Cross Section

30-Zn-68
-99.81 To 9999. %

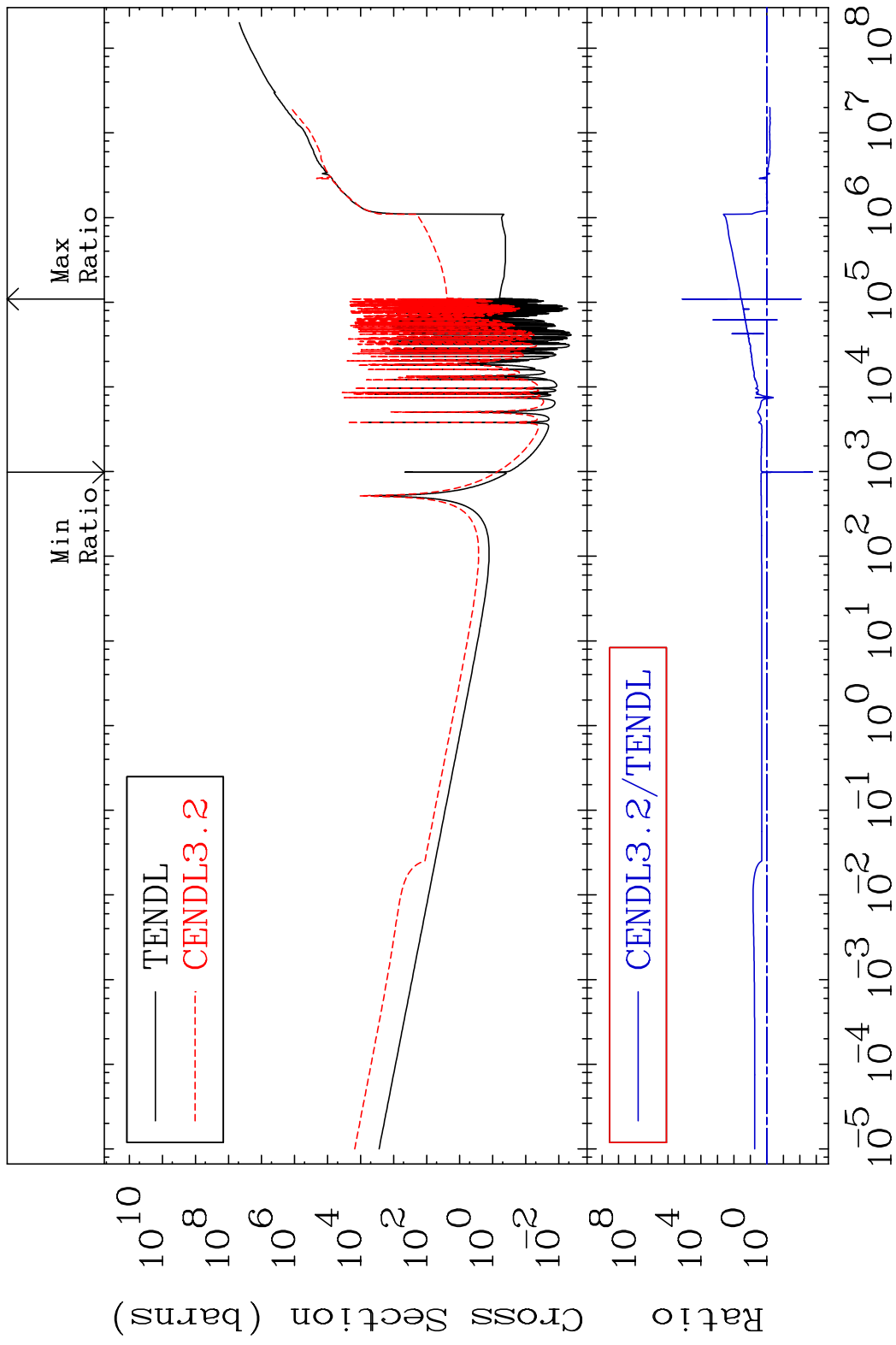


31

Incident Energy (eV)

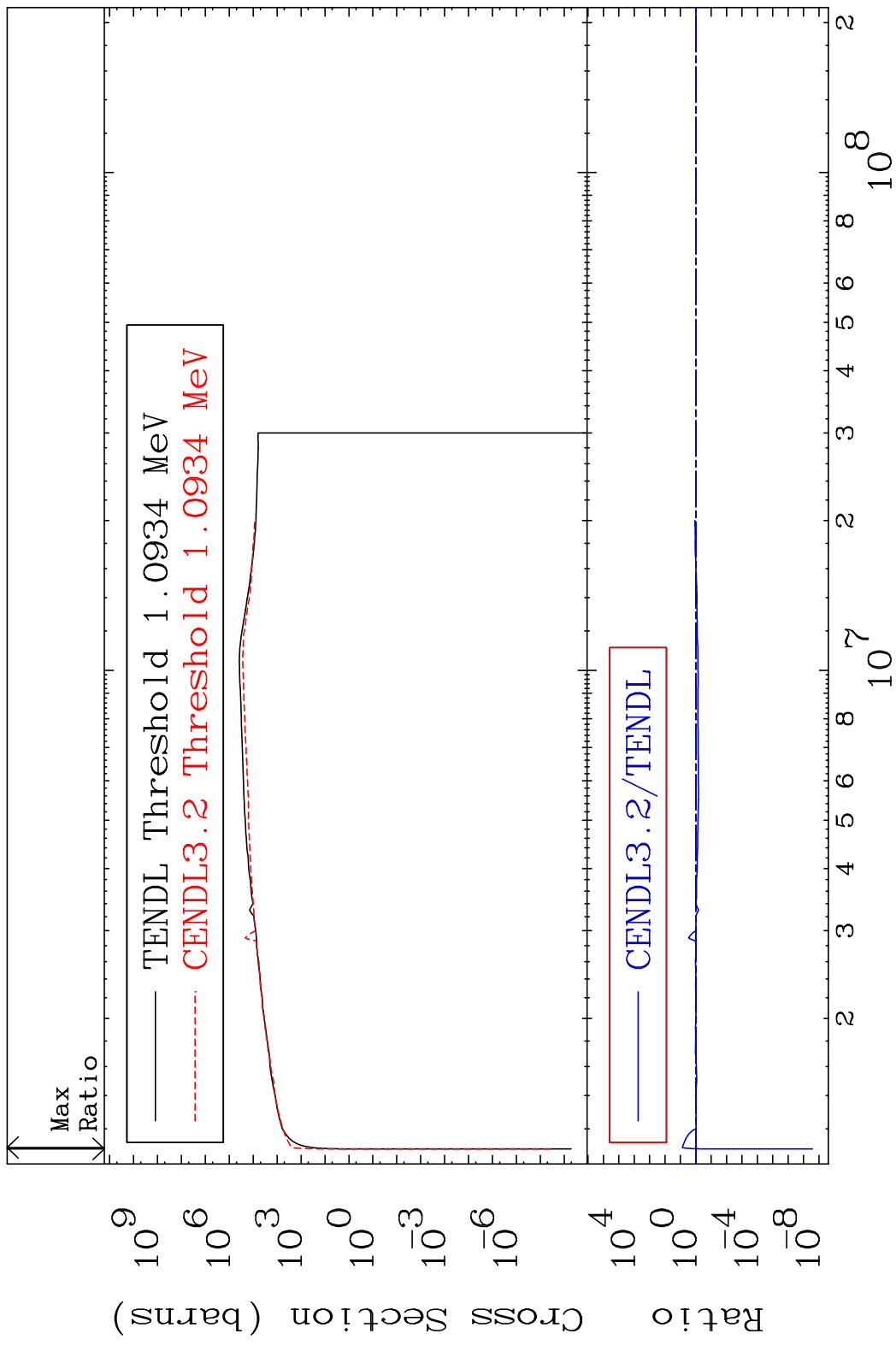
30-Zn-68

MAT 3037 Kerma non-elastic (all but mt2) 30-Zn-68
 Cross Section -99.83 To 9999. %

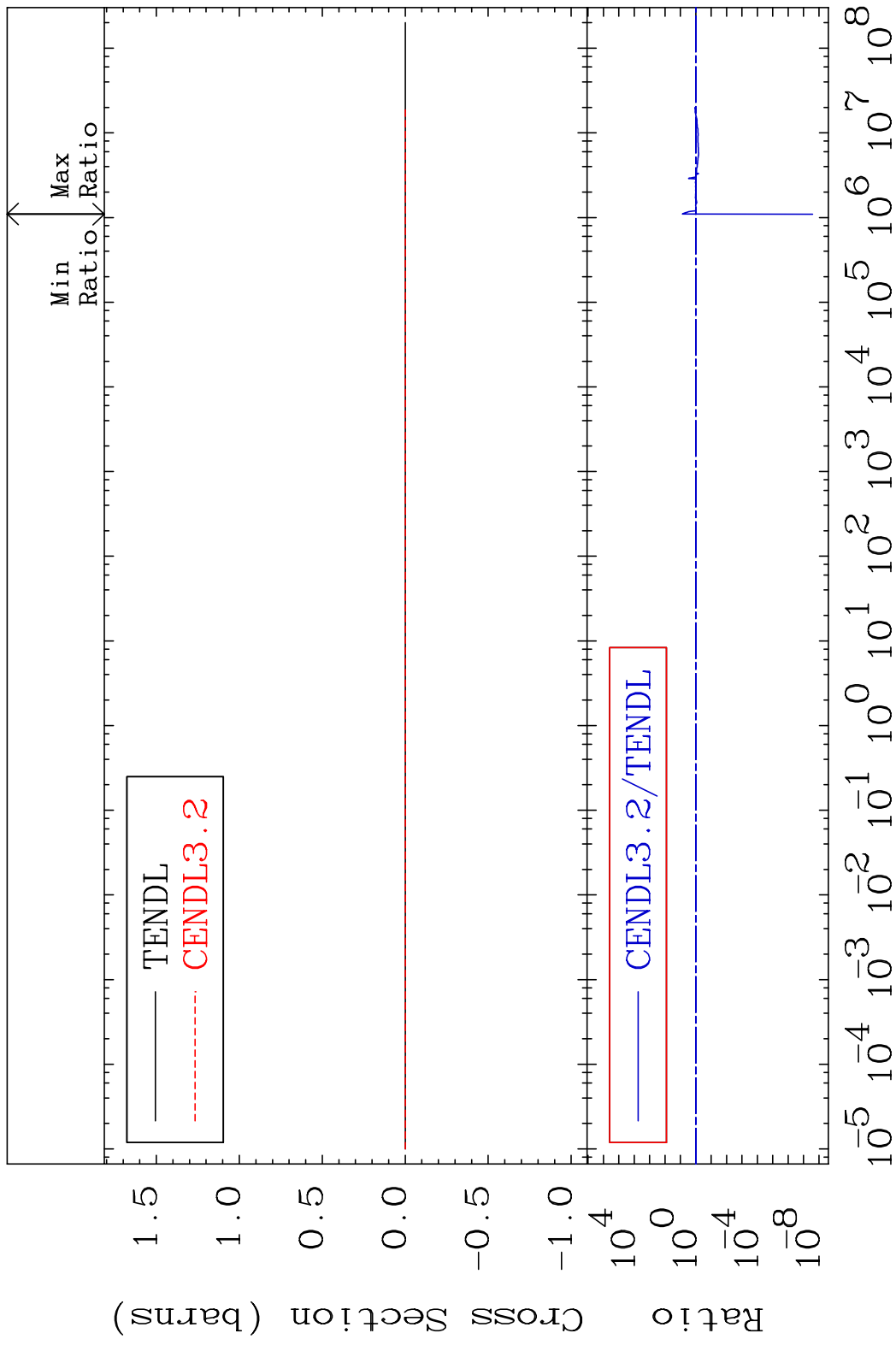


32 Incident Energy (eV) 30-Zn-68

MAT 3037 Kerma inelastic (mt51-91) 30-Zn-68
 Cross Section -100.0 To 644.5 %

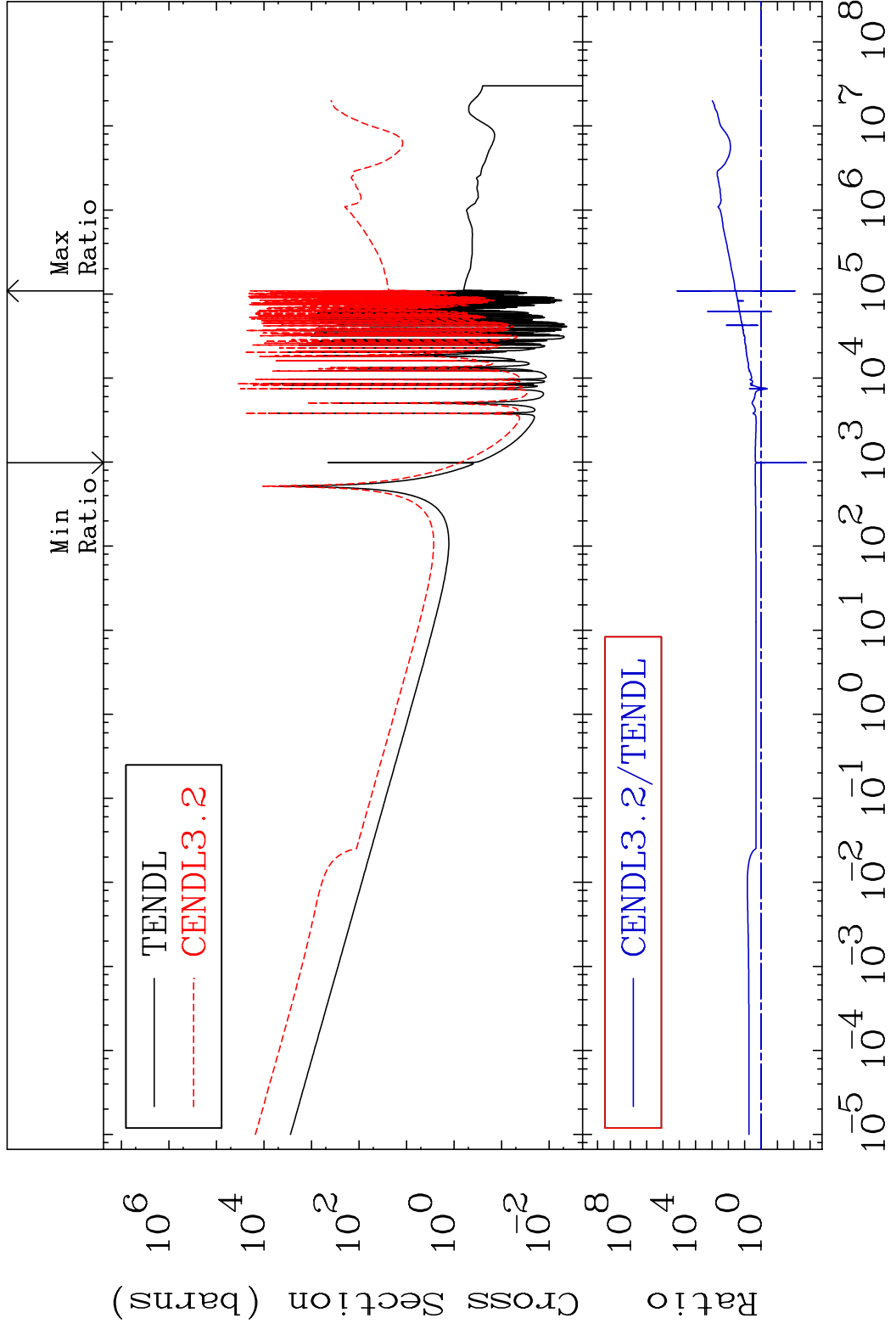


MAT 3037 Kerma fission (mt18 or mt19-20-21-38) 30-Zn-68
 Cross Section -100.0 To 644.5 %



MAT 3037

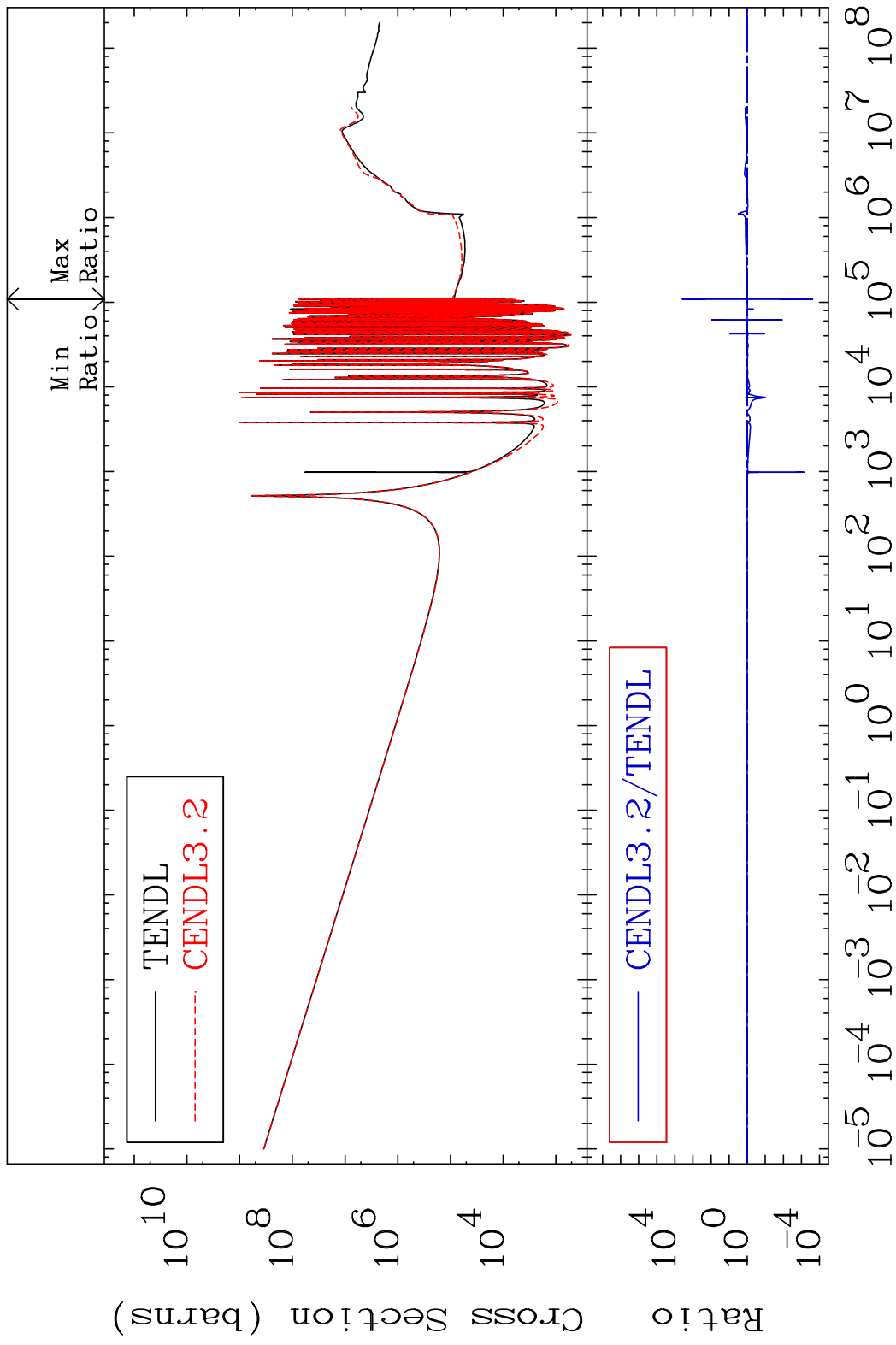
Kerma capture (mt102) 30-Zn-68
Cross Section -99.83 To 9999. %



35

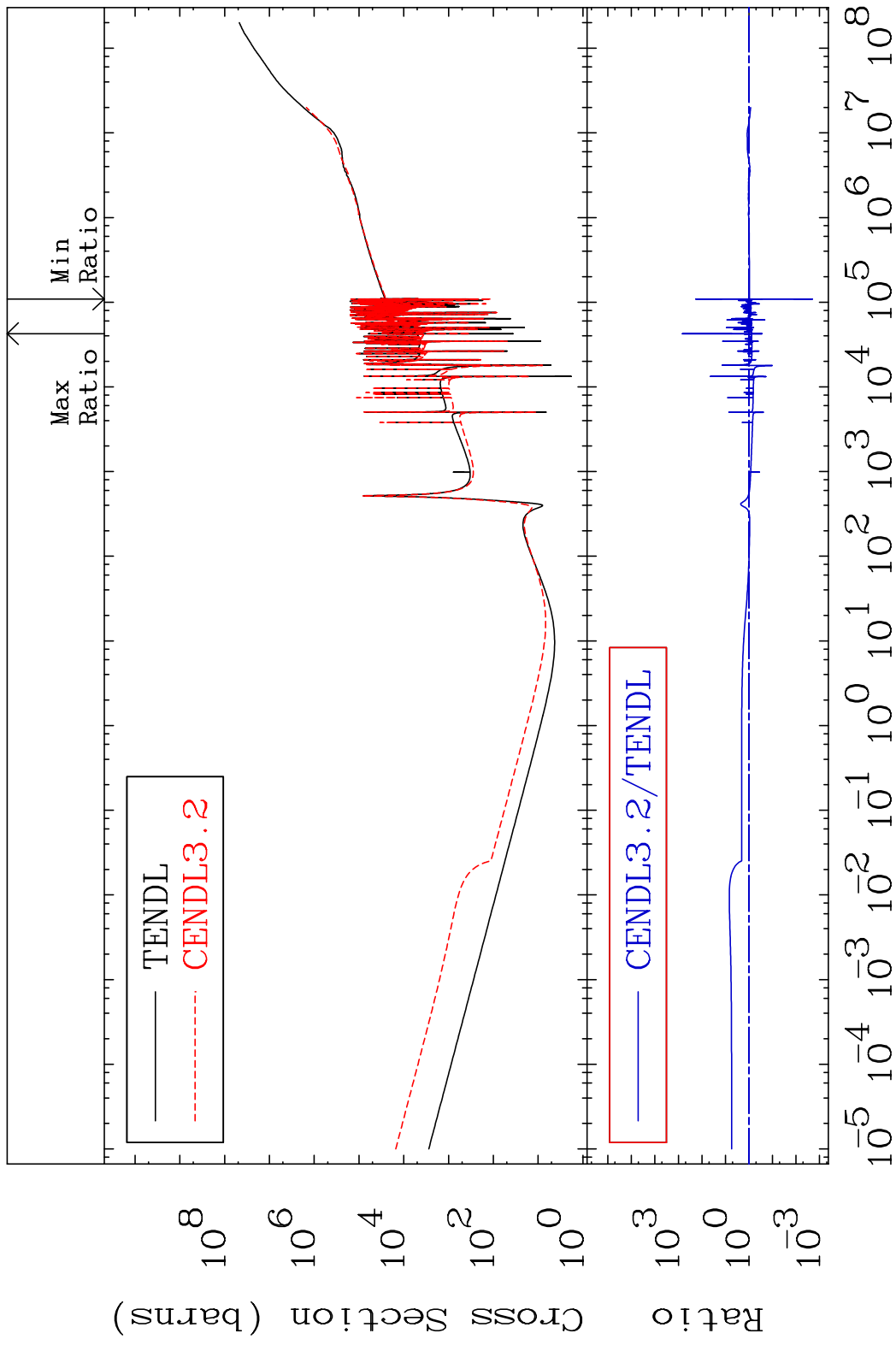
Incident Energy (eV) 30-Zn-68

MAT 3037 Total photon (eV-barns) 30-Zn-68
 Cross Section -99.98 To 9999. %



36 Incident Energy (eV) 30-Zn-68

MAT 3037 Total kinematic kerma (high limit) 30-Zn-68
 Cross Section -99.80 To 9999. %

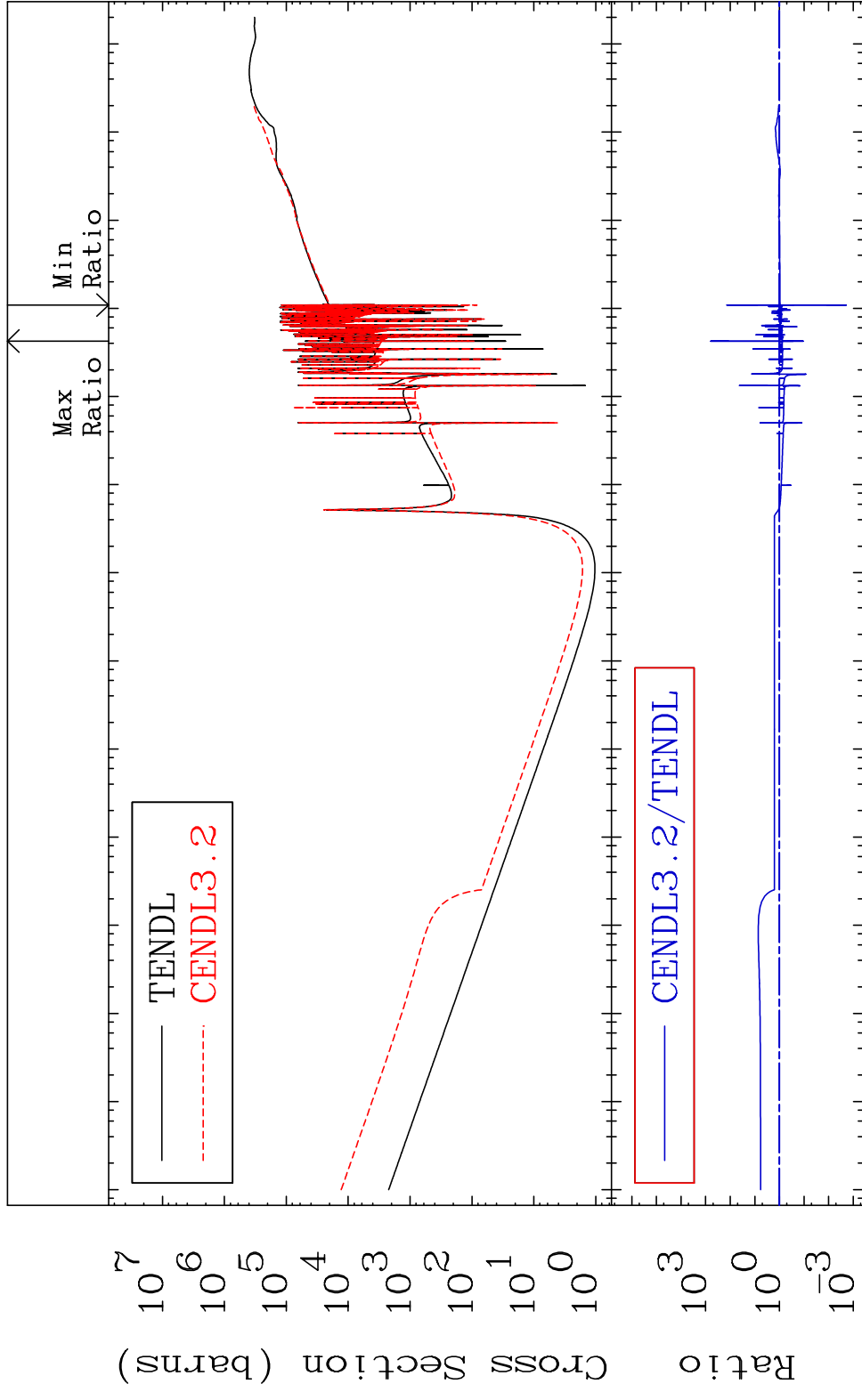


MAT 3037

Dpa total (eV-barns)

30-Zn-68

Cross Section -99.81 To 9999. %



38

Incident Energy (eV)

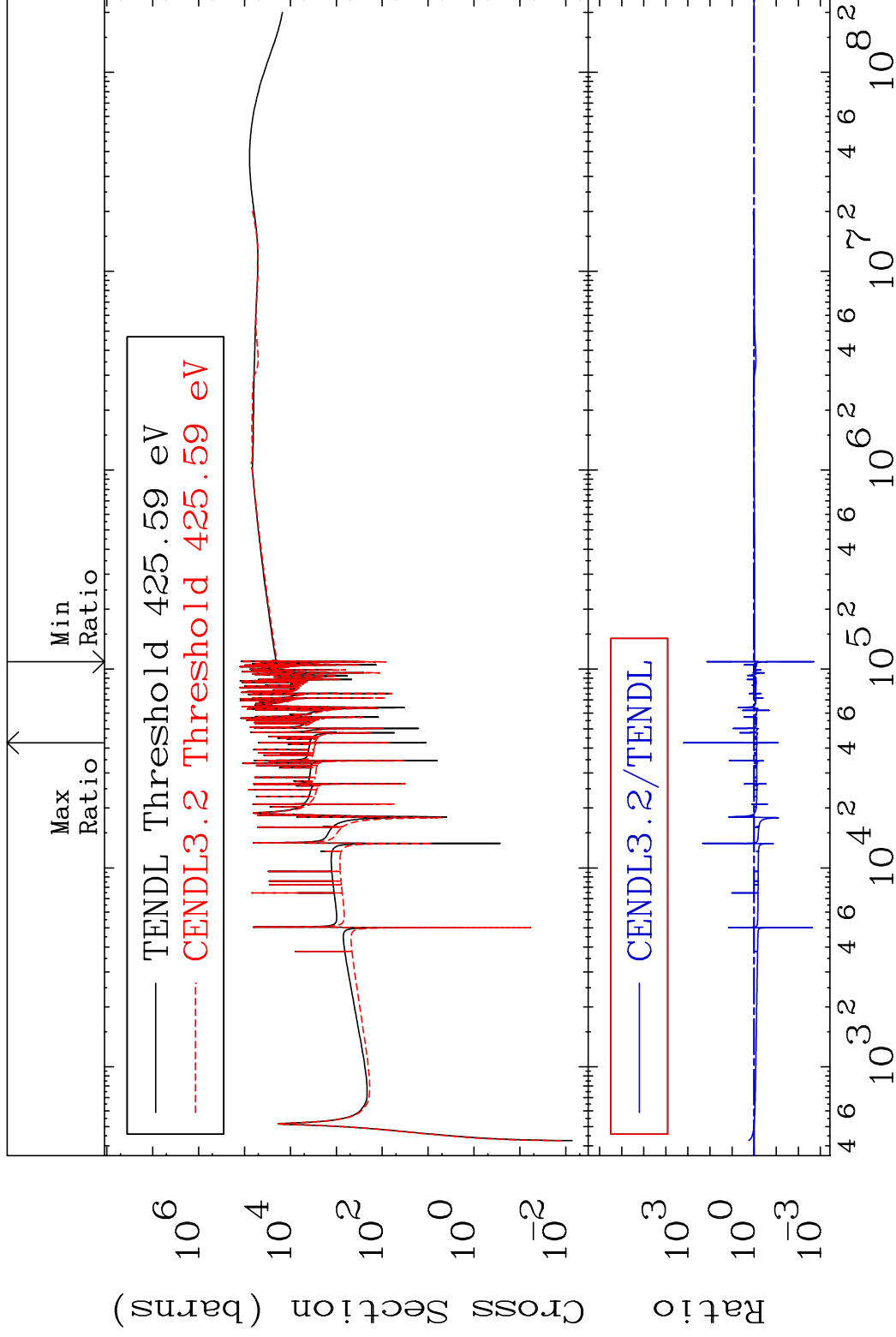
30-Zn-68

MAT 3037

Dpa elastic (mt2)

30-Zn-68

Cross Section -99.81 To 9999. %

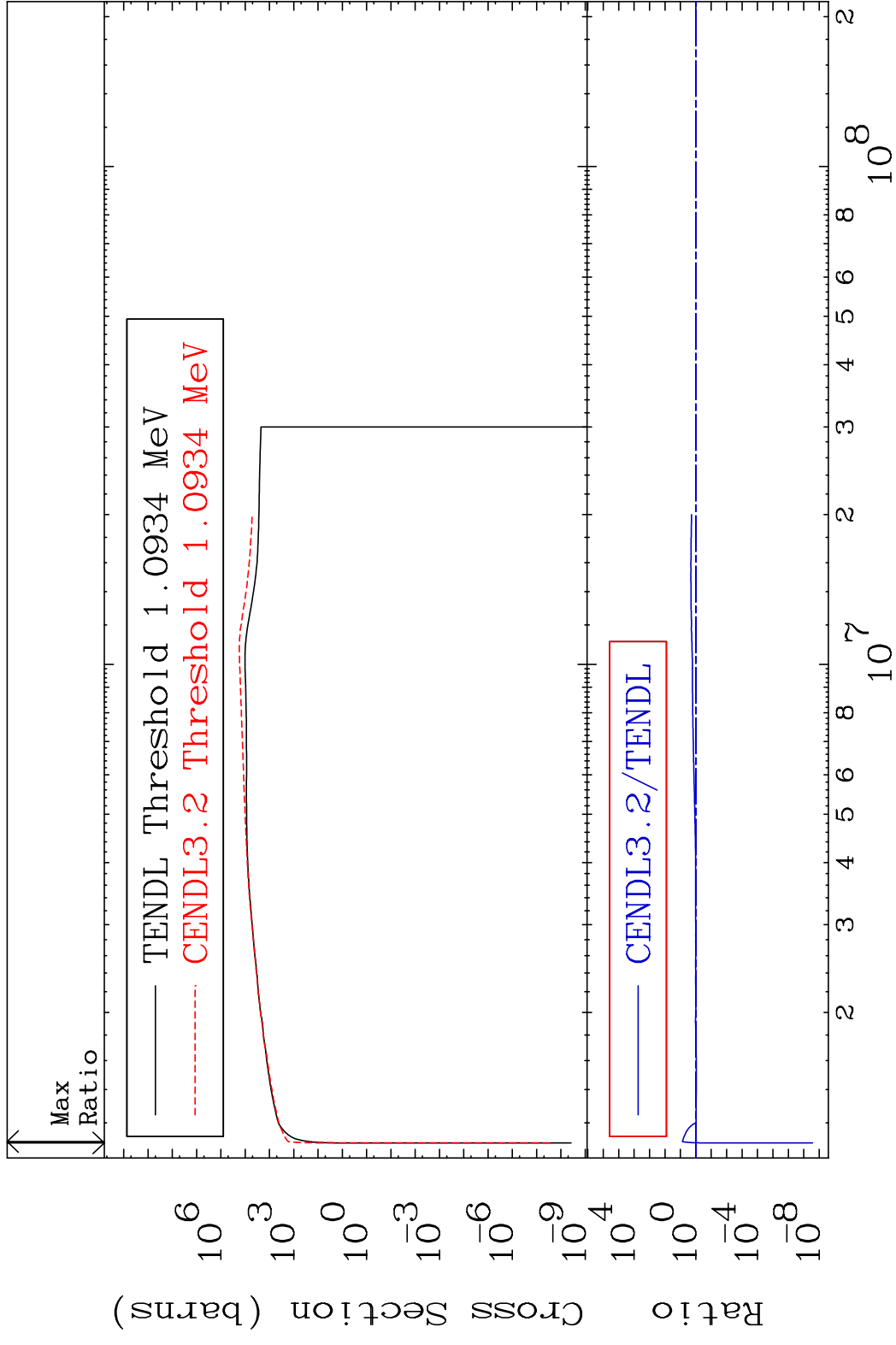


39

Incident Energy (eV)

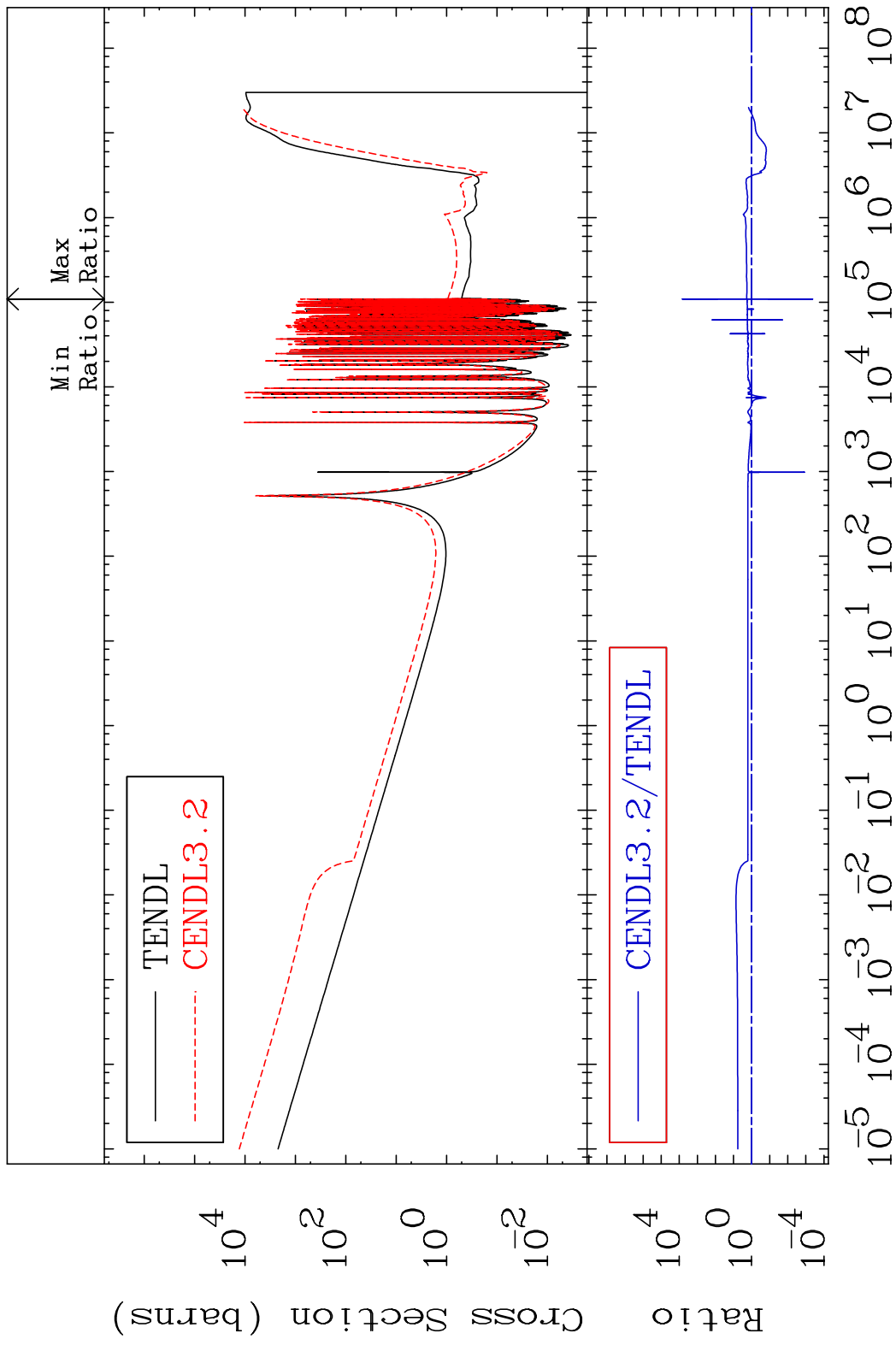
30-Zn-68

MAT 3037 Dpa inelastic (mt51-91) 30-Zn-68
 Cross Section -100.0 To 644.6 %



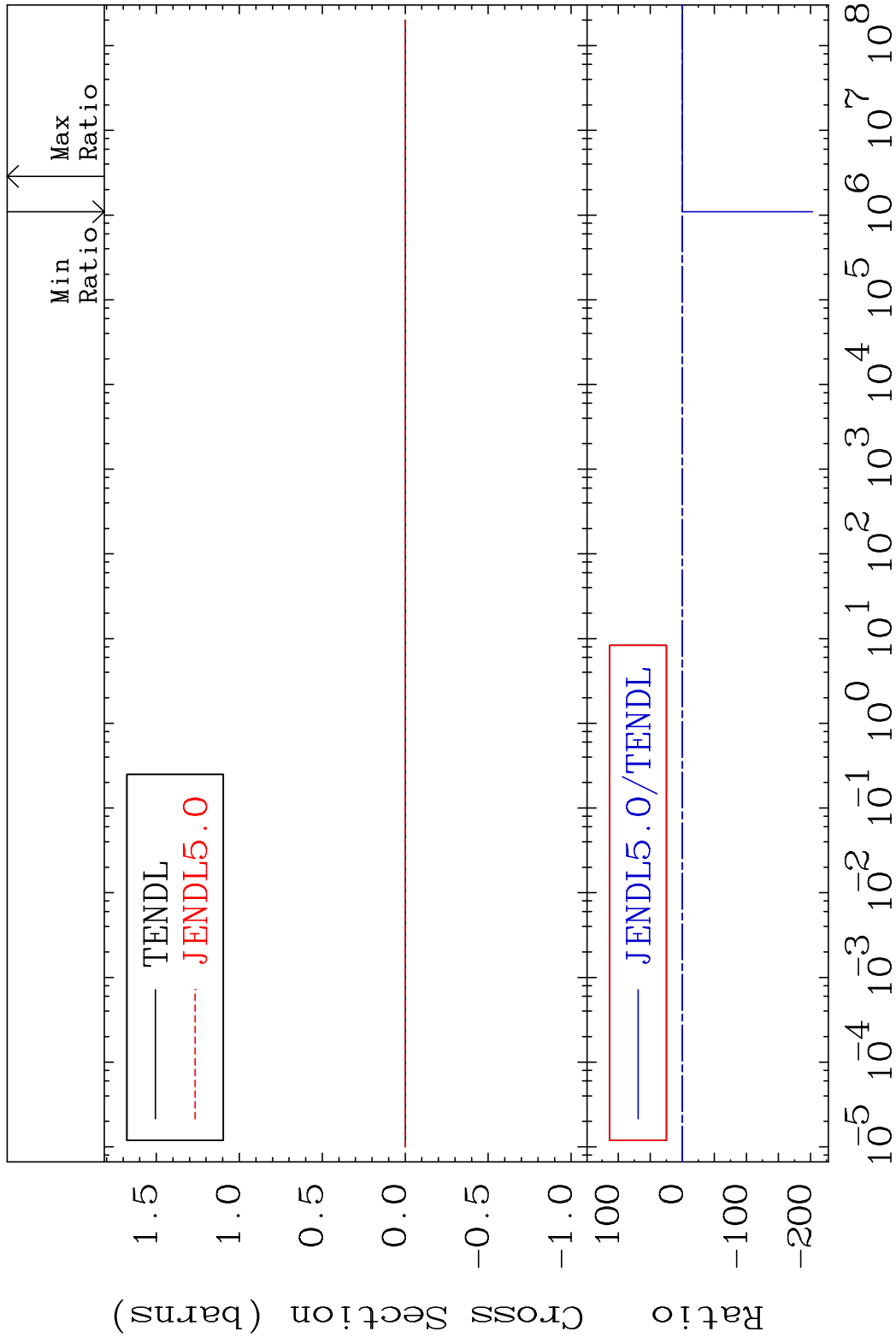
40 Incident Energy (eV) 30-Zn-68

MAT 3037 Dpa disappearance (mt102 -120) 30-Zn-68
 Cross Section -99.96 To 9999. %



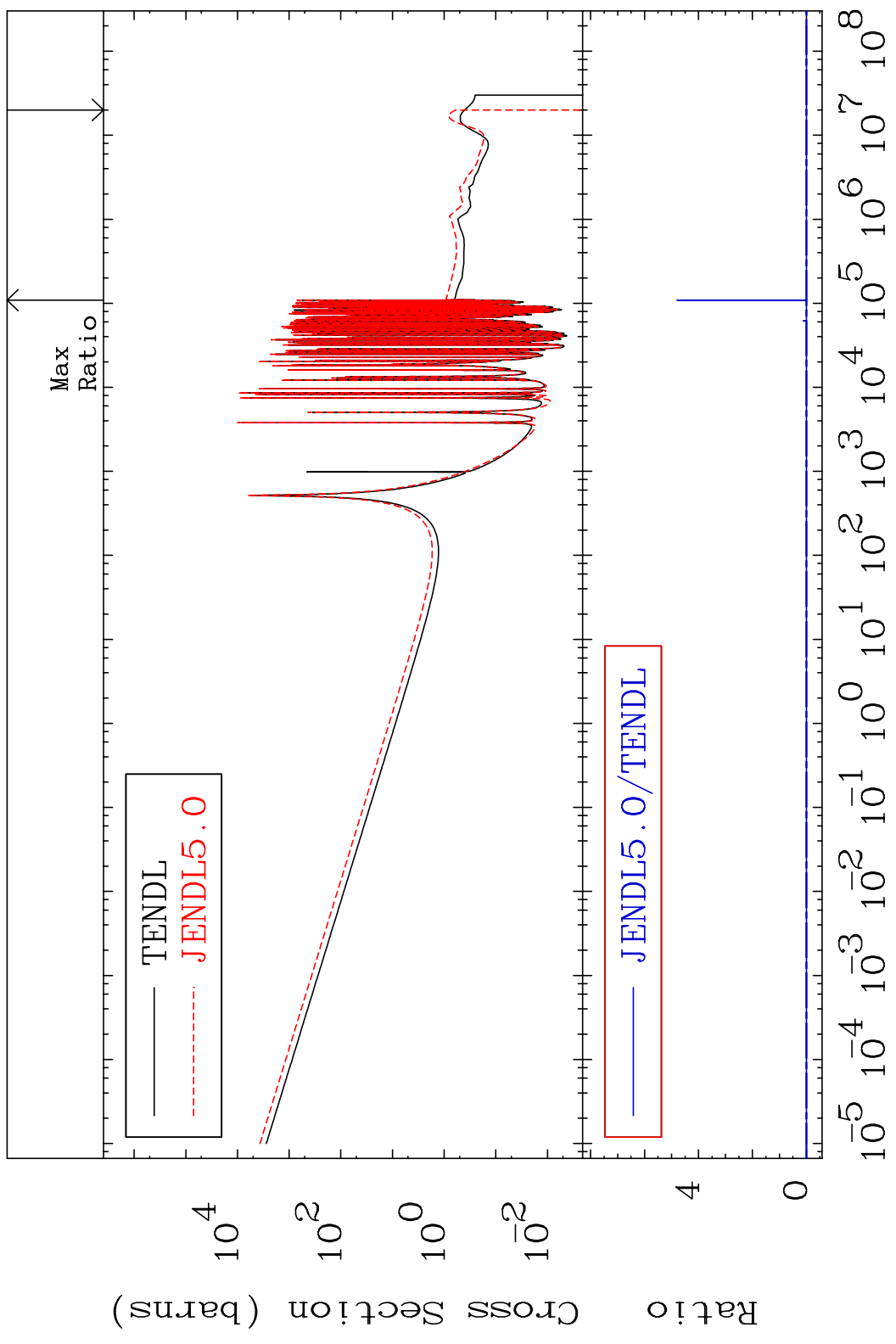
41 Incident Energy (eV) 30-Zn-68

MAT 3037 Kerma fission (mt18 or mt19-20-21-38) 30-Zn-68
 Cross Section -9999. To 7.483 %



MAT 3037

Kerma capture (mt102) 30-Zn-68
Cross Section -100.0 To 9999. %

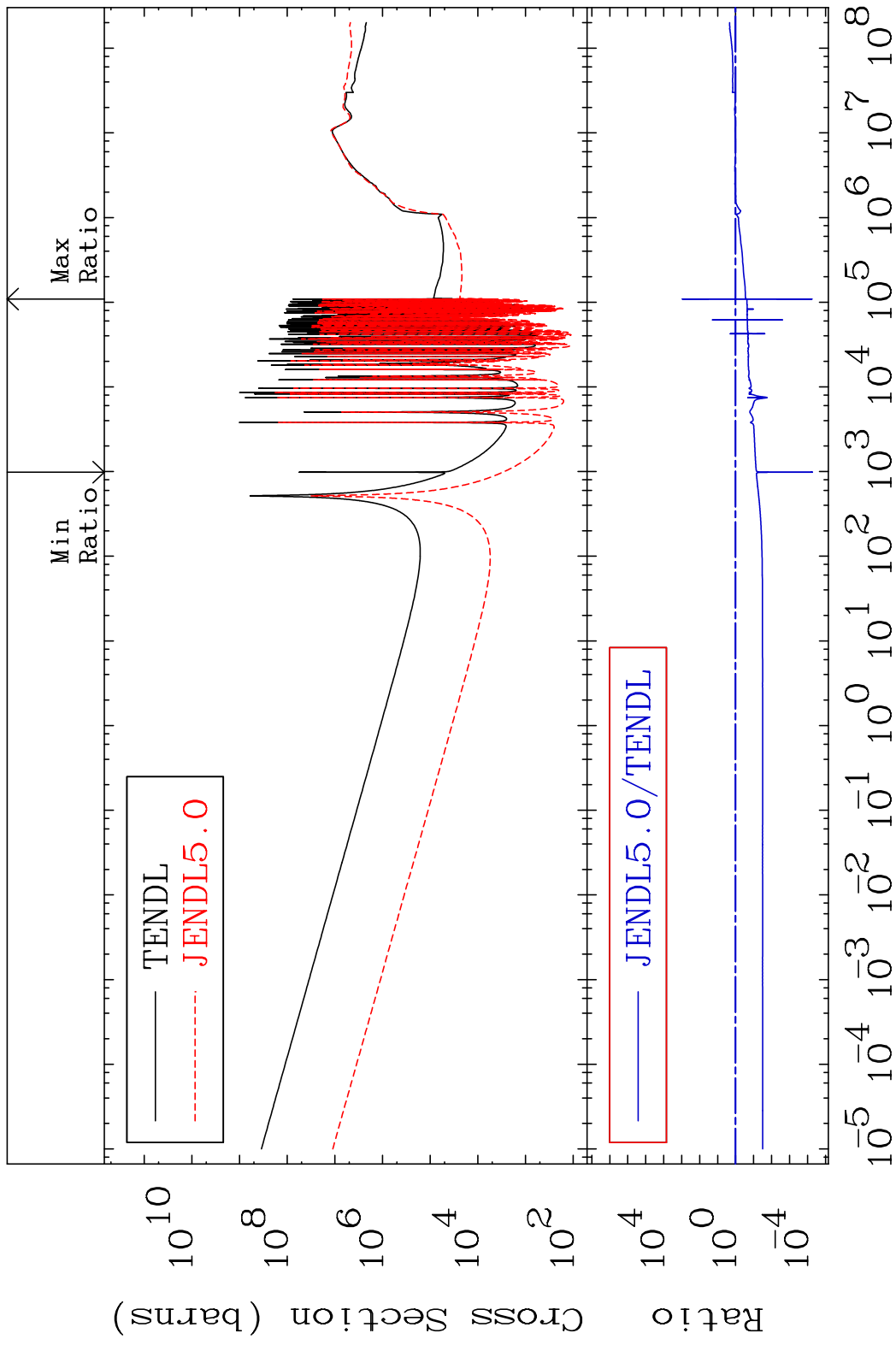


43

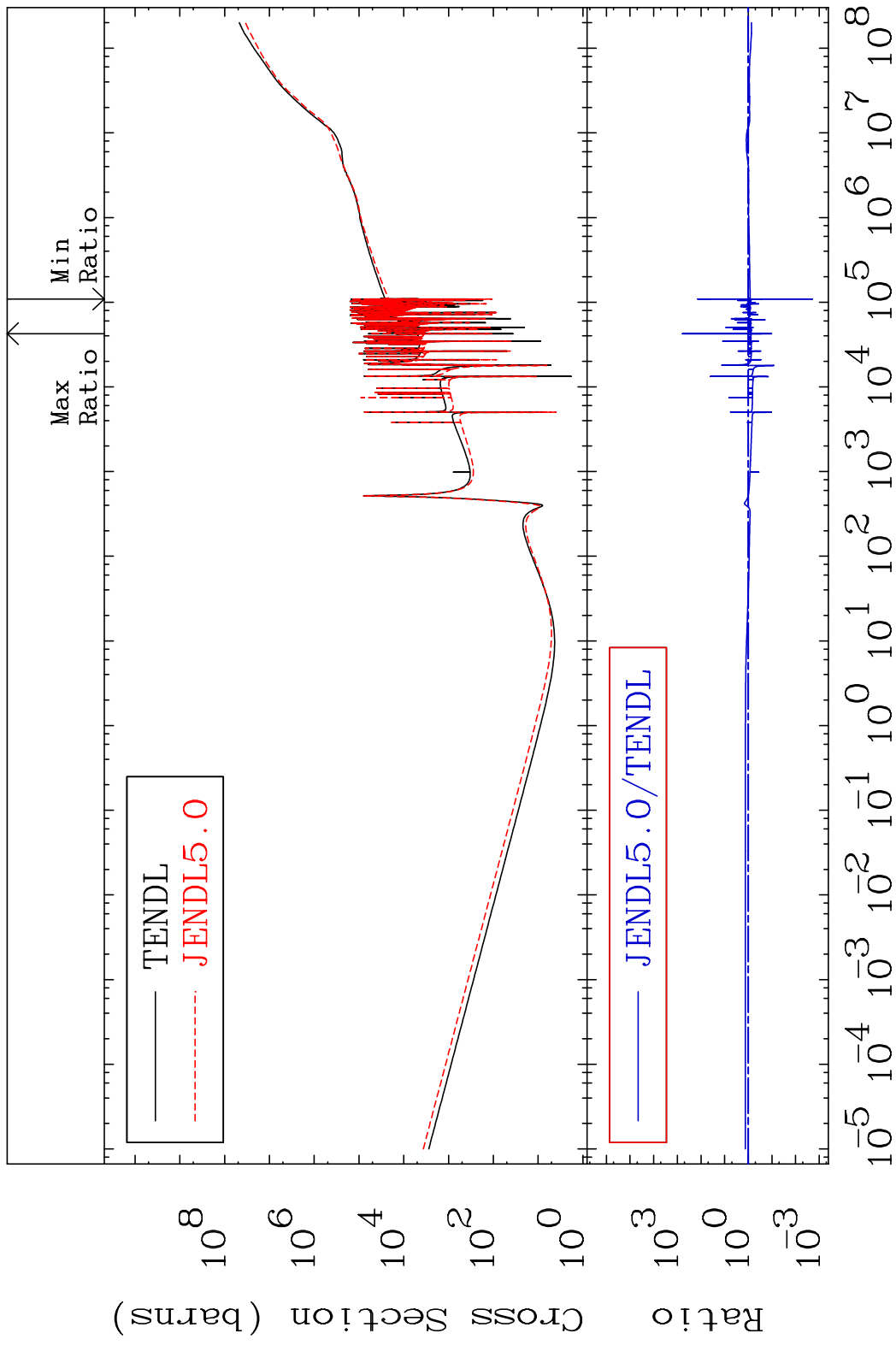
Incident Energy (eV)

30-Zn-68

MAT 3037 Total photon (eV-barns) 30-Zn-68
Cross Section -99.99 To 9999. %



MAT 3037 Total kinematic kerma (high limit) 30-Zn-68
Cross Section -99.81 To 9999. %

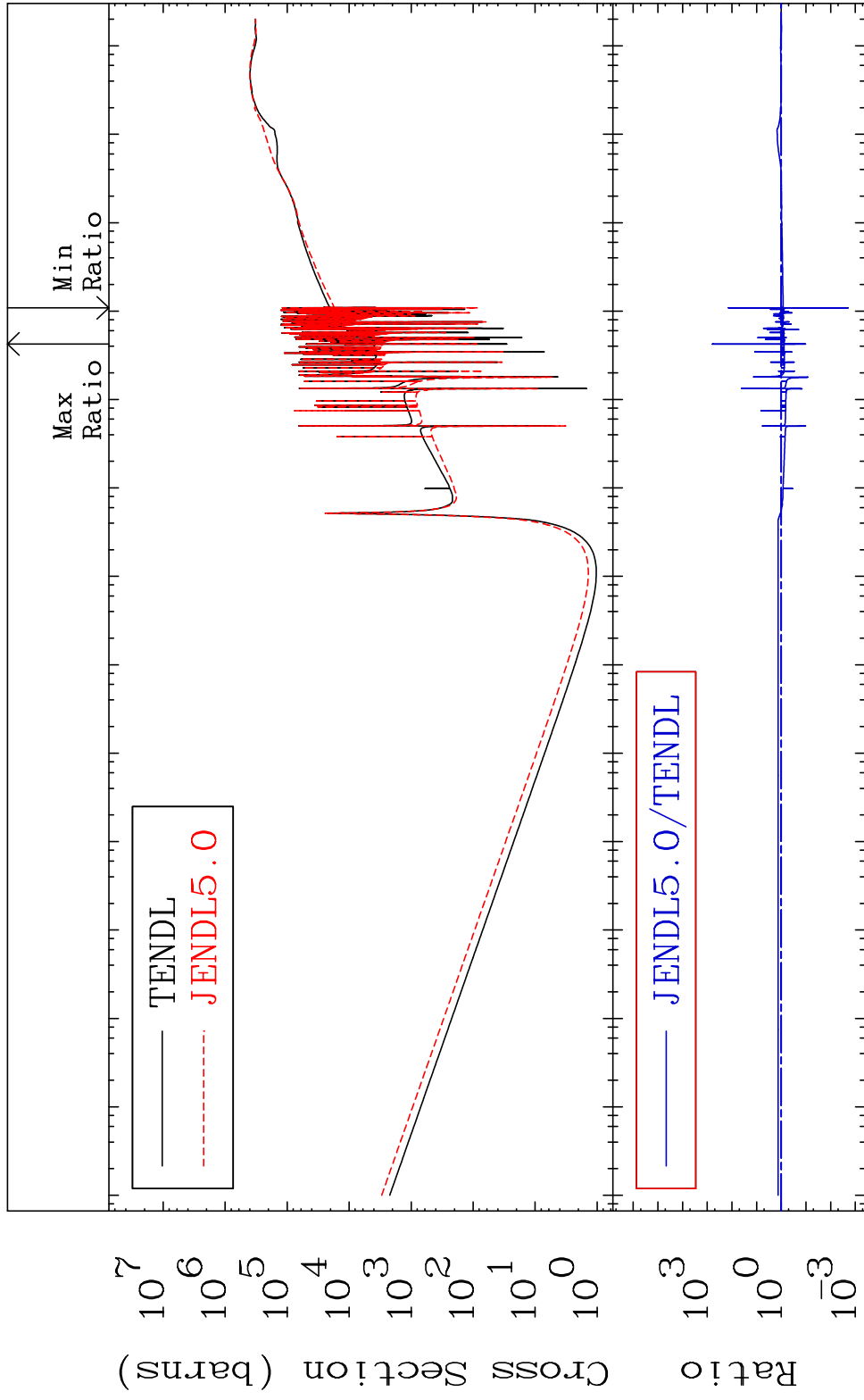


MAT 3037

Dpa total (eV-barns)

30-Zn-68

Cross Section -99.81 To 9999. %



46

Incident Energy (eV)

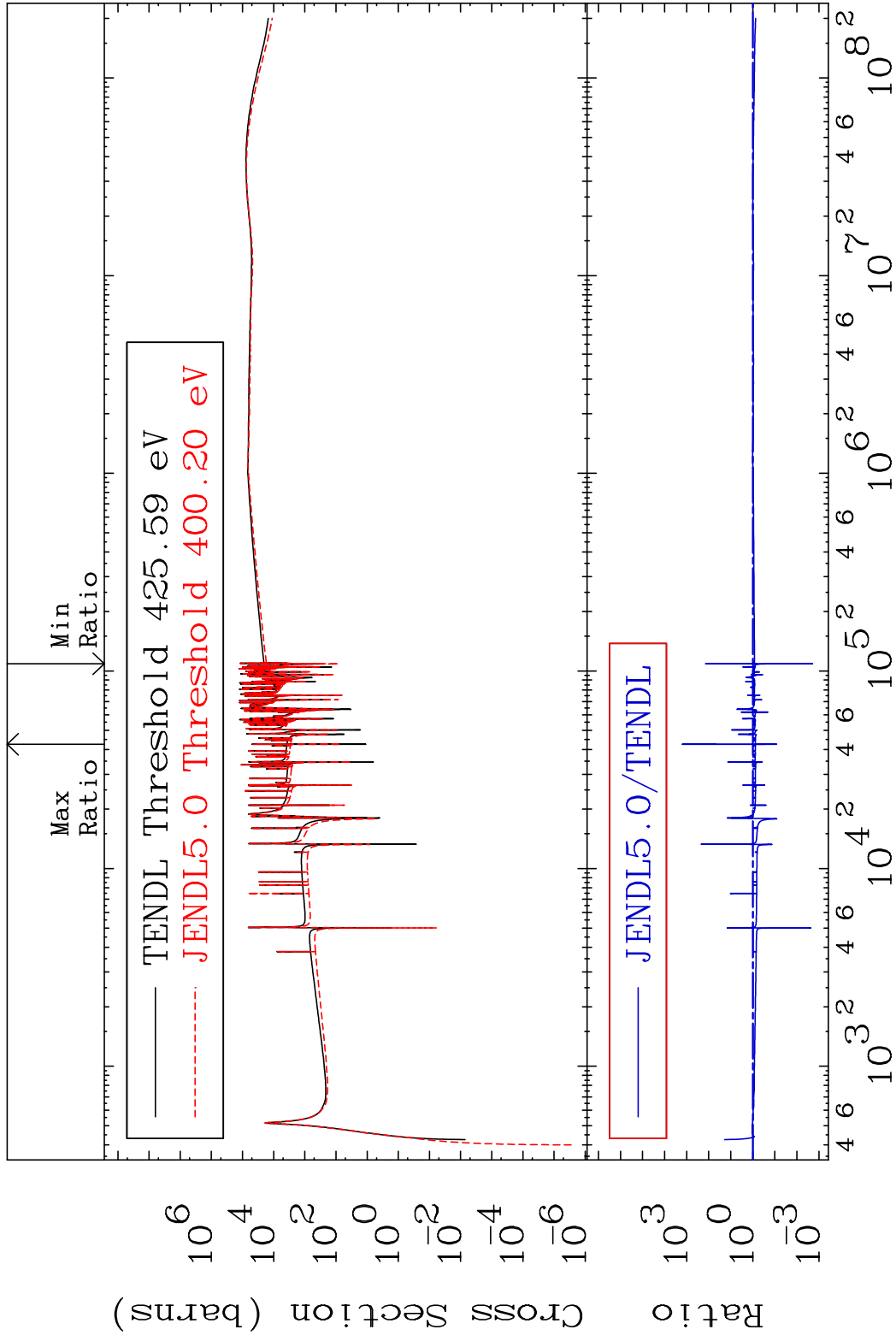
30-Zn-68

MAT 3037

Dpa elastic (mt2)

30-Zn-68

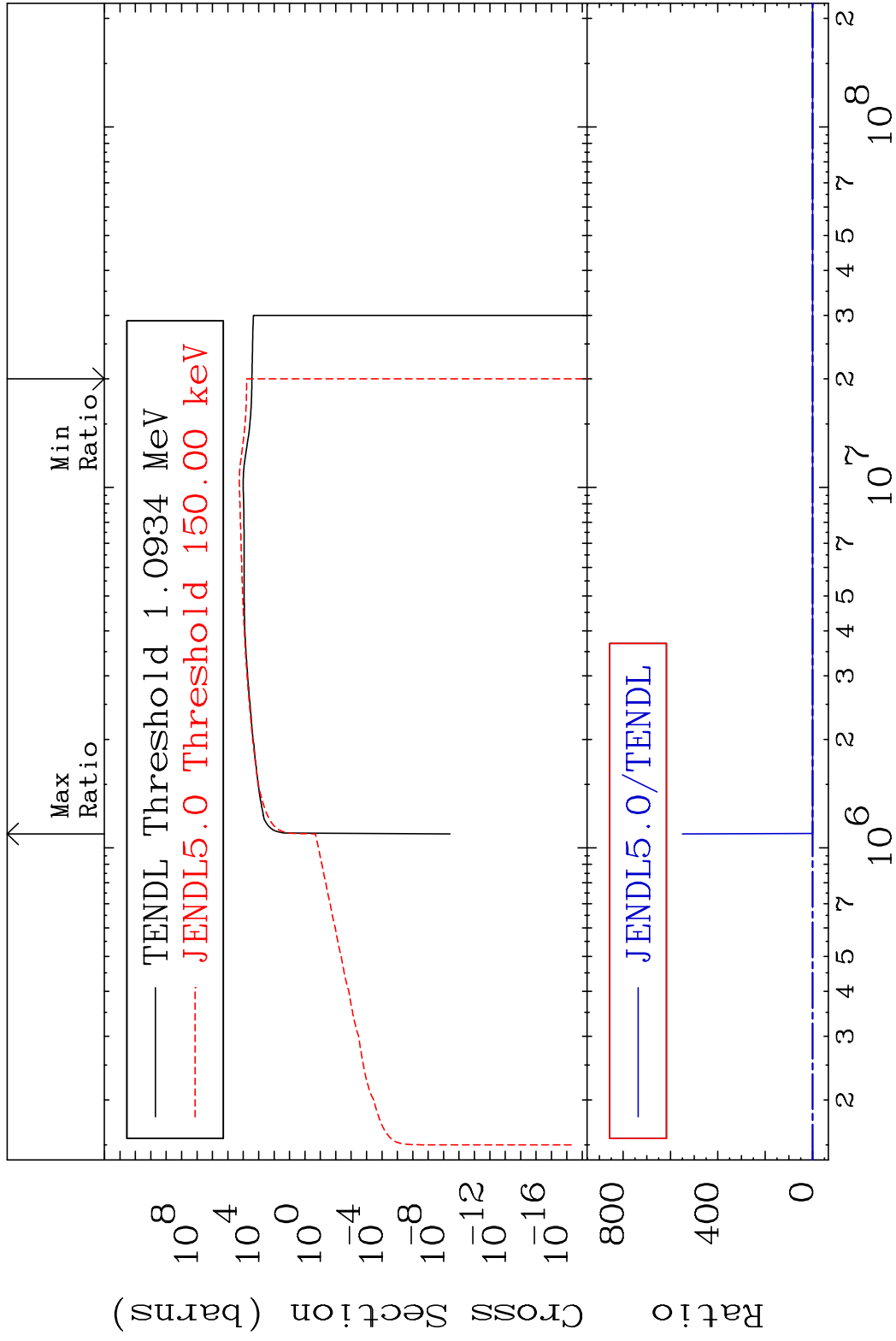
Cross Section -99.81 To 9999. %



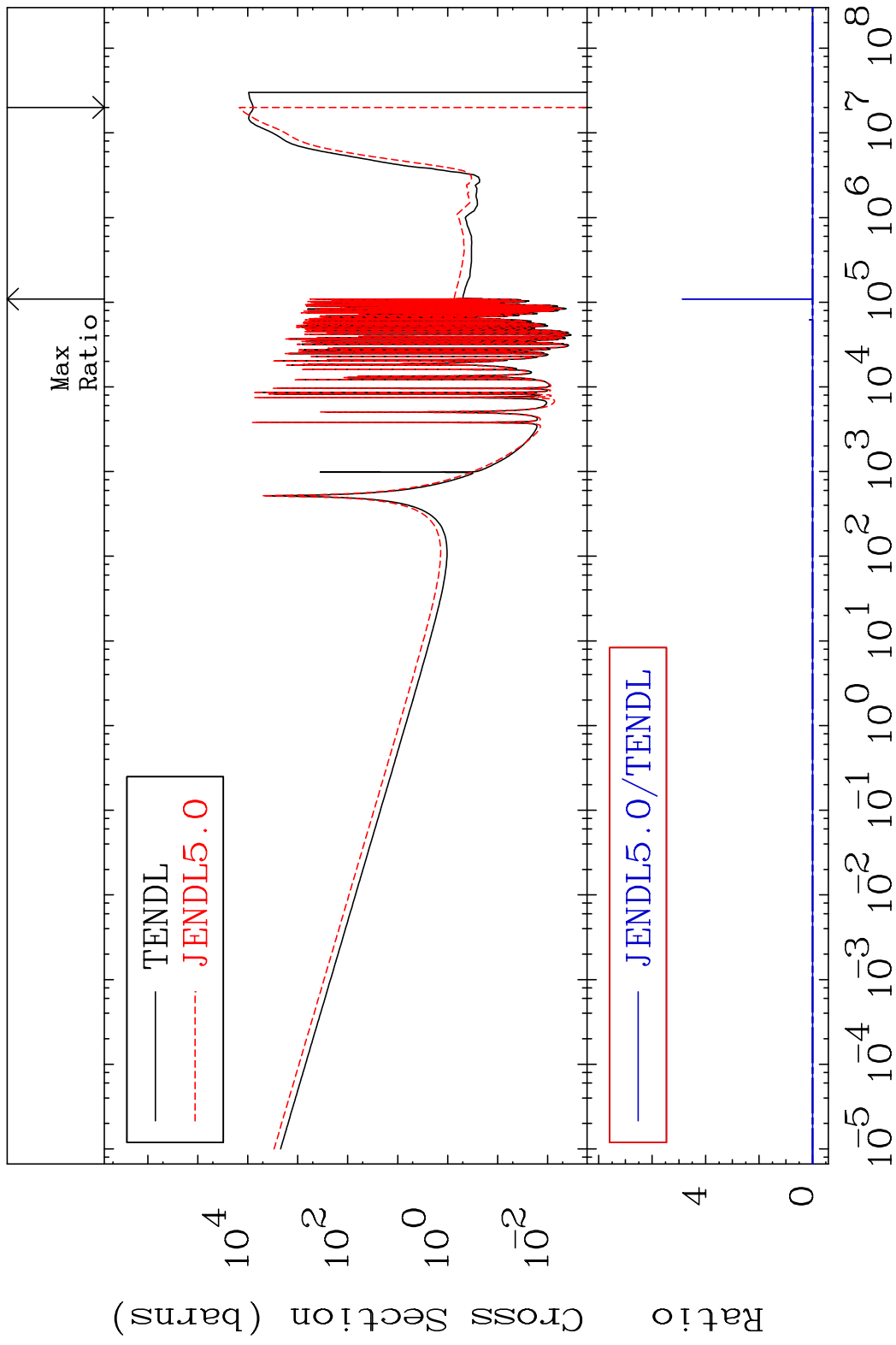
47

Incident Energy (eV)

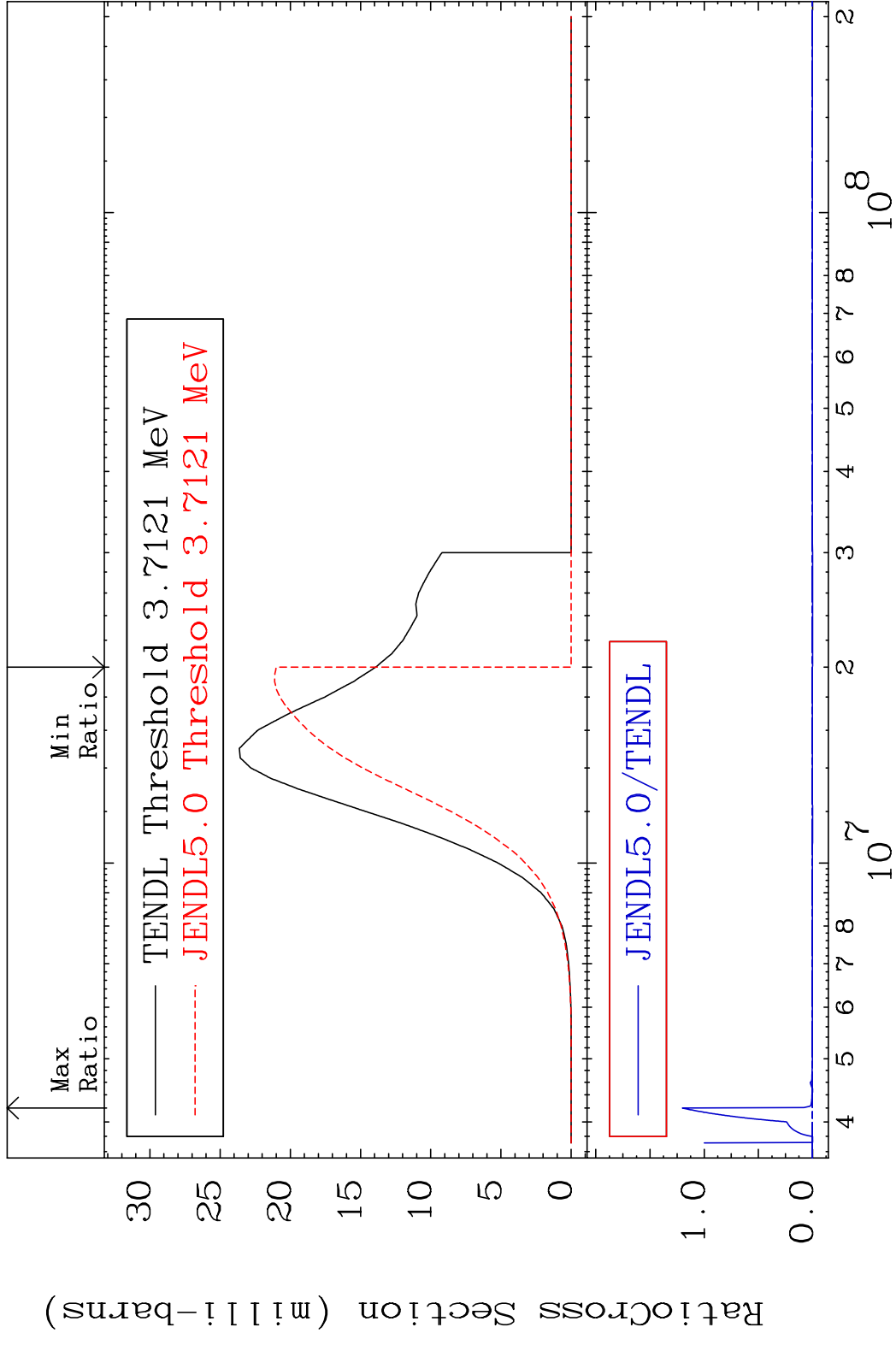
30-Zn-68



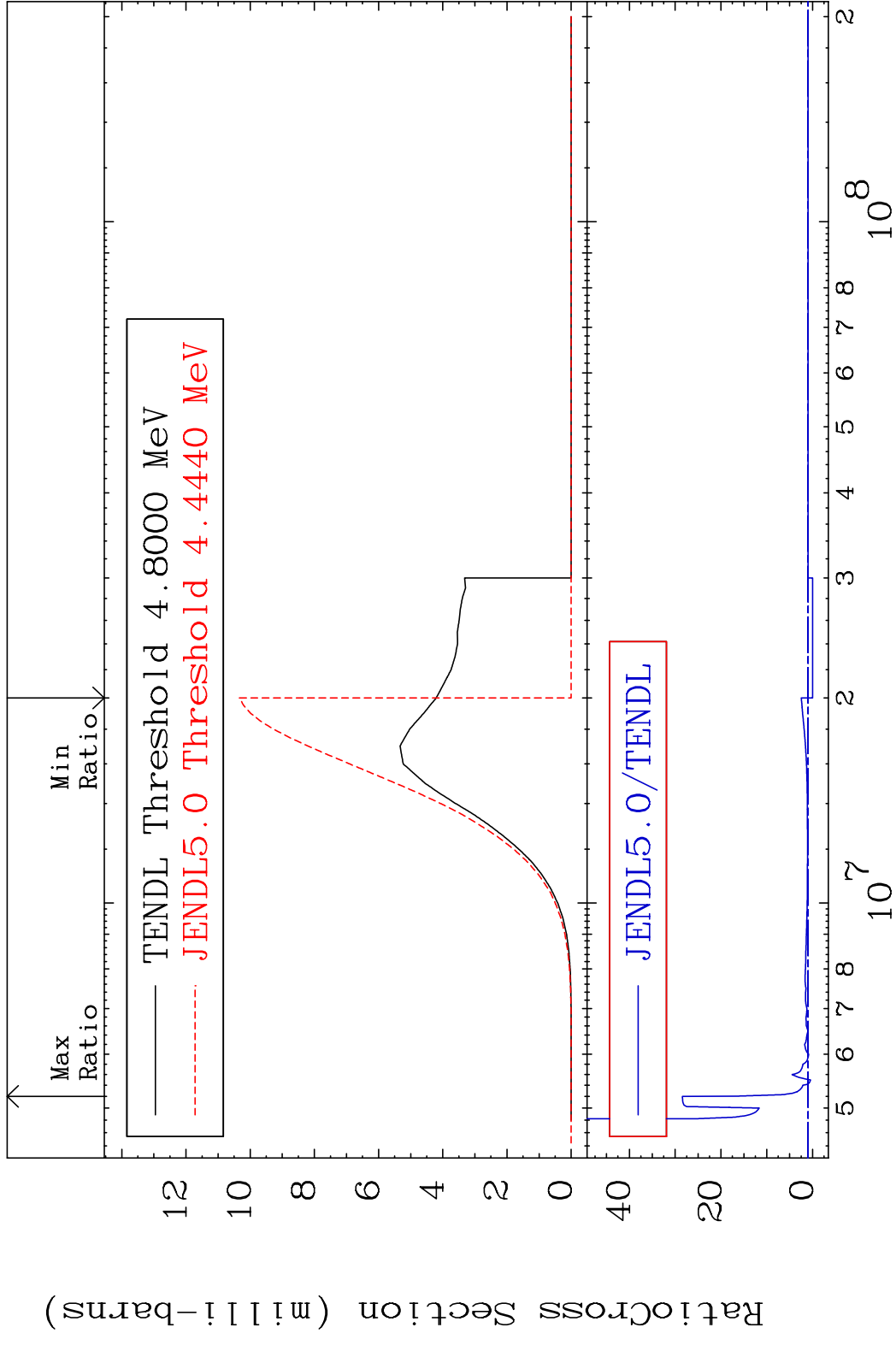
MAT 3037 Dpa disappearance (mt102 -120) 30-Zn-68
Cross Section -100.0 To 9999. %



MAT 3037 (n,p):29-Cu-68g 30-Zn-68
 Radionuclide Production Cross Section Ratio



MAT 3037 (n, p):29-Cu-68m3 30-Zn-68
 Radionuclide Production Cross Section 1800 d to 2743. %

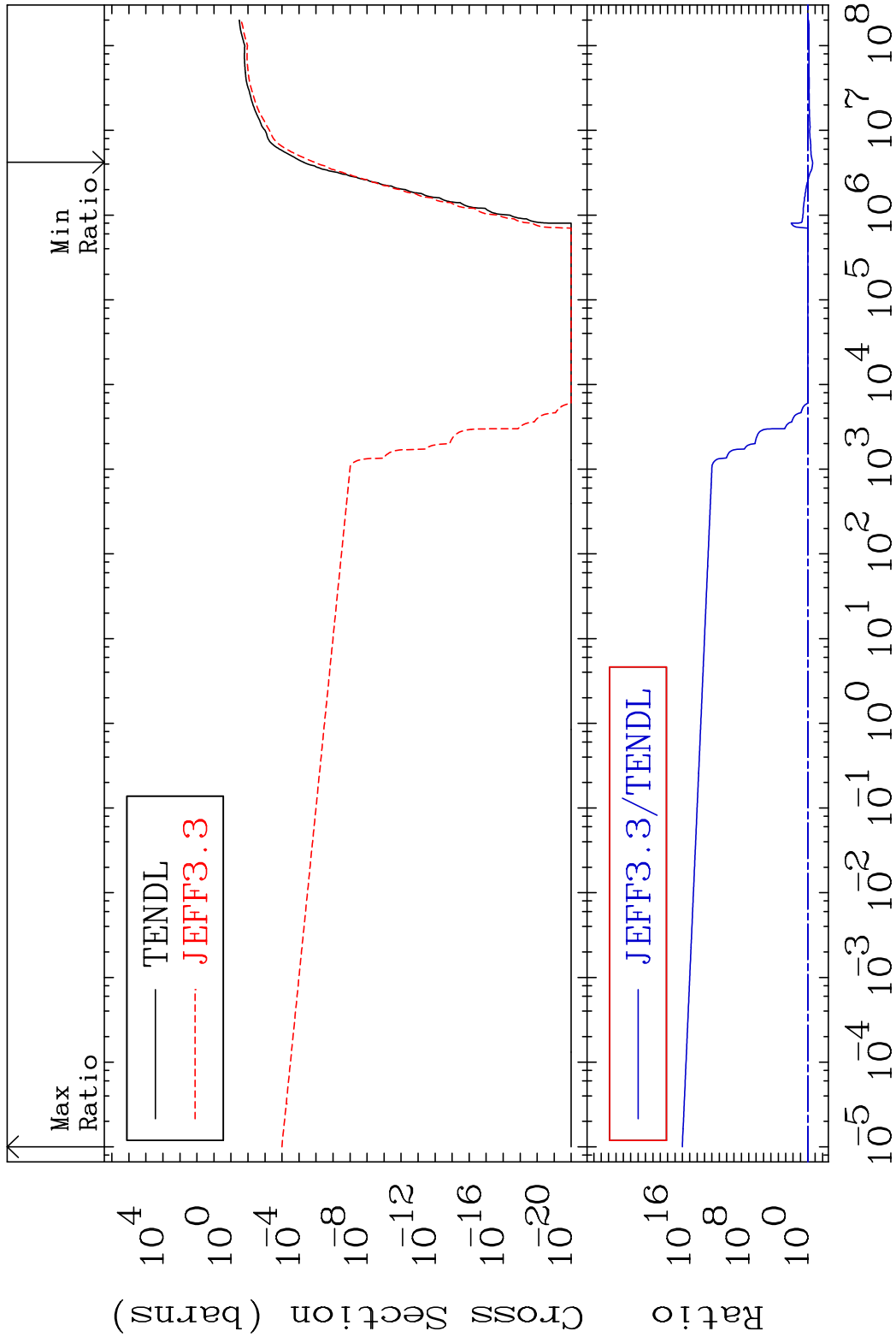


MAT 3037

He-4 Production

30-Zn-68

Cross Section -77.25 To 9999. %



52

Incident Energy (eV)

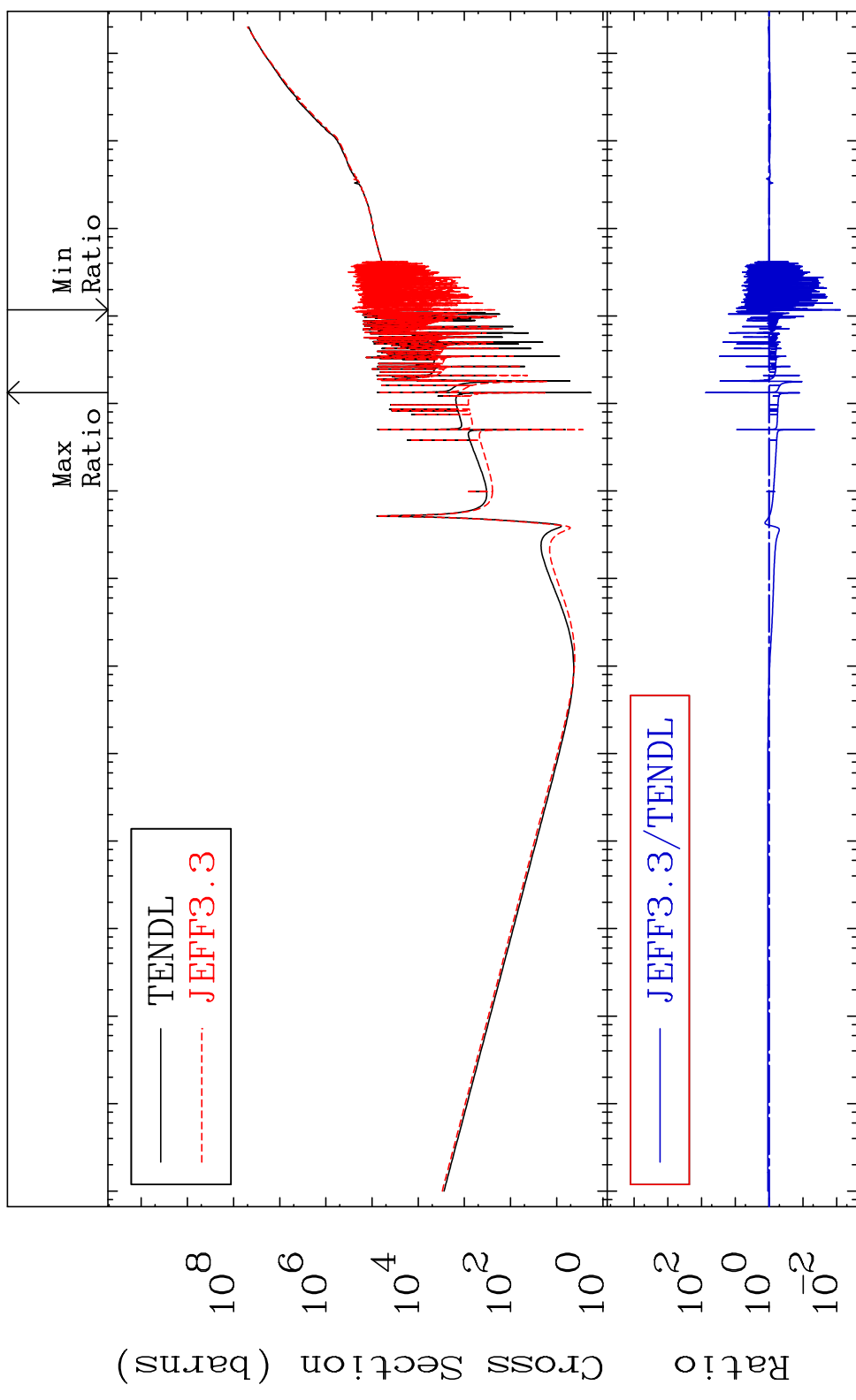
30-Zn-68

MAT 3037

Kerma total (eV-barns)

30-Zn-68

Cross Section -99.23 To 7431. %



53

Incident Energy (eV)

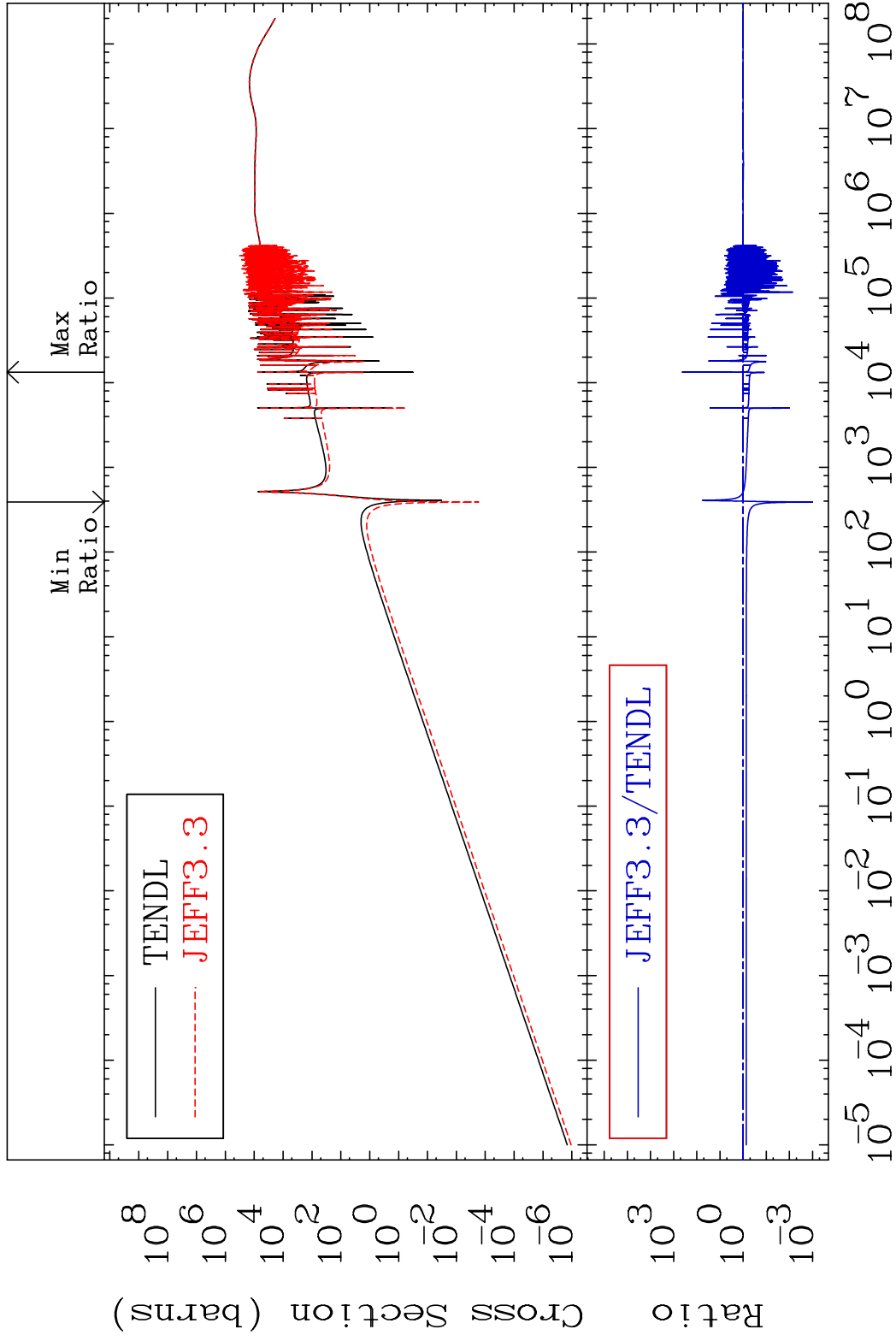
30-Zn-68

MAT 3037

Kerma elastic
Cross Section

30-Zn-68

-99.90 To 9999. %

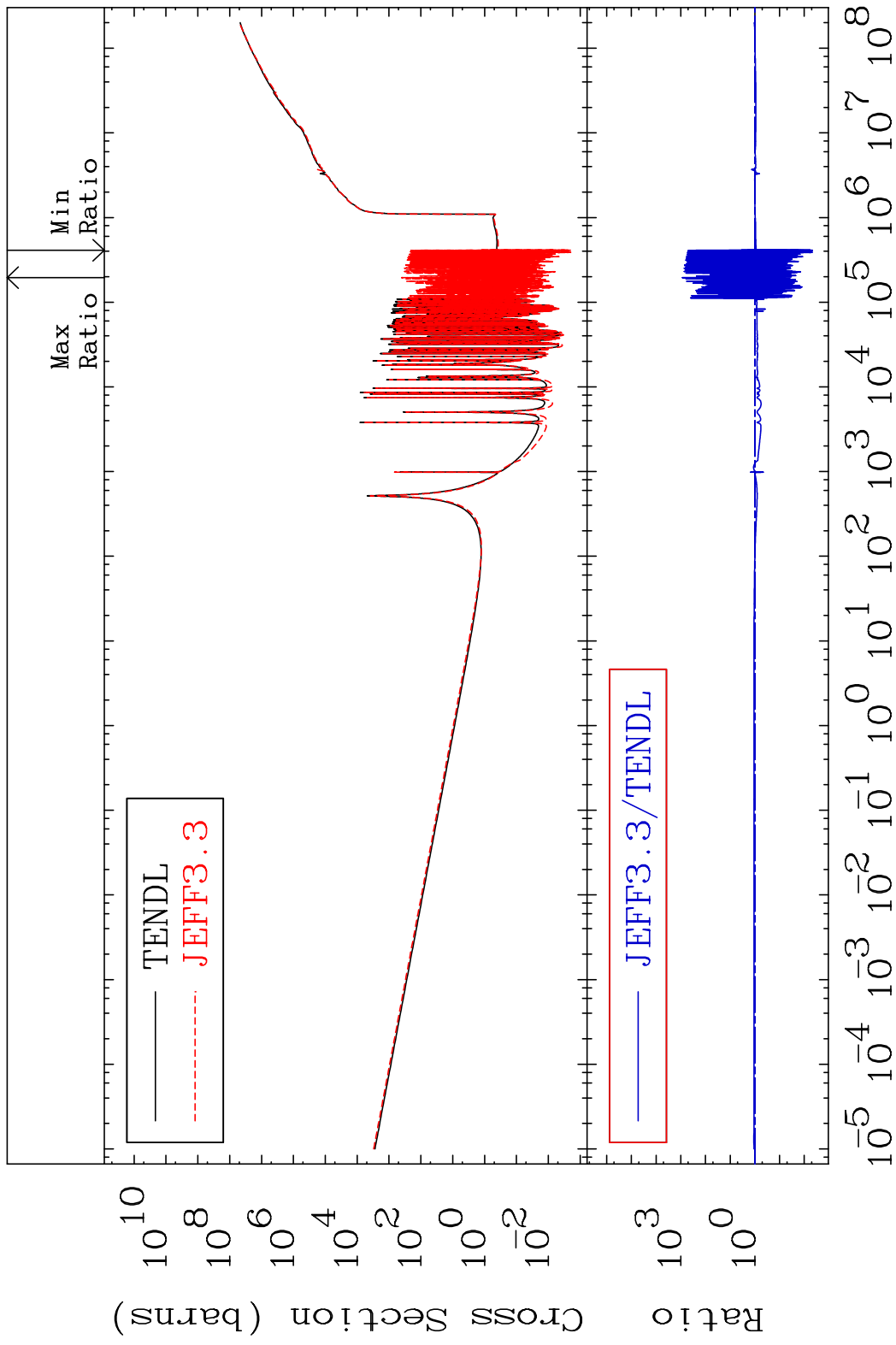


54

Incident Energy (eV)

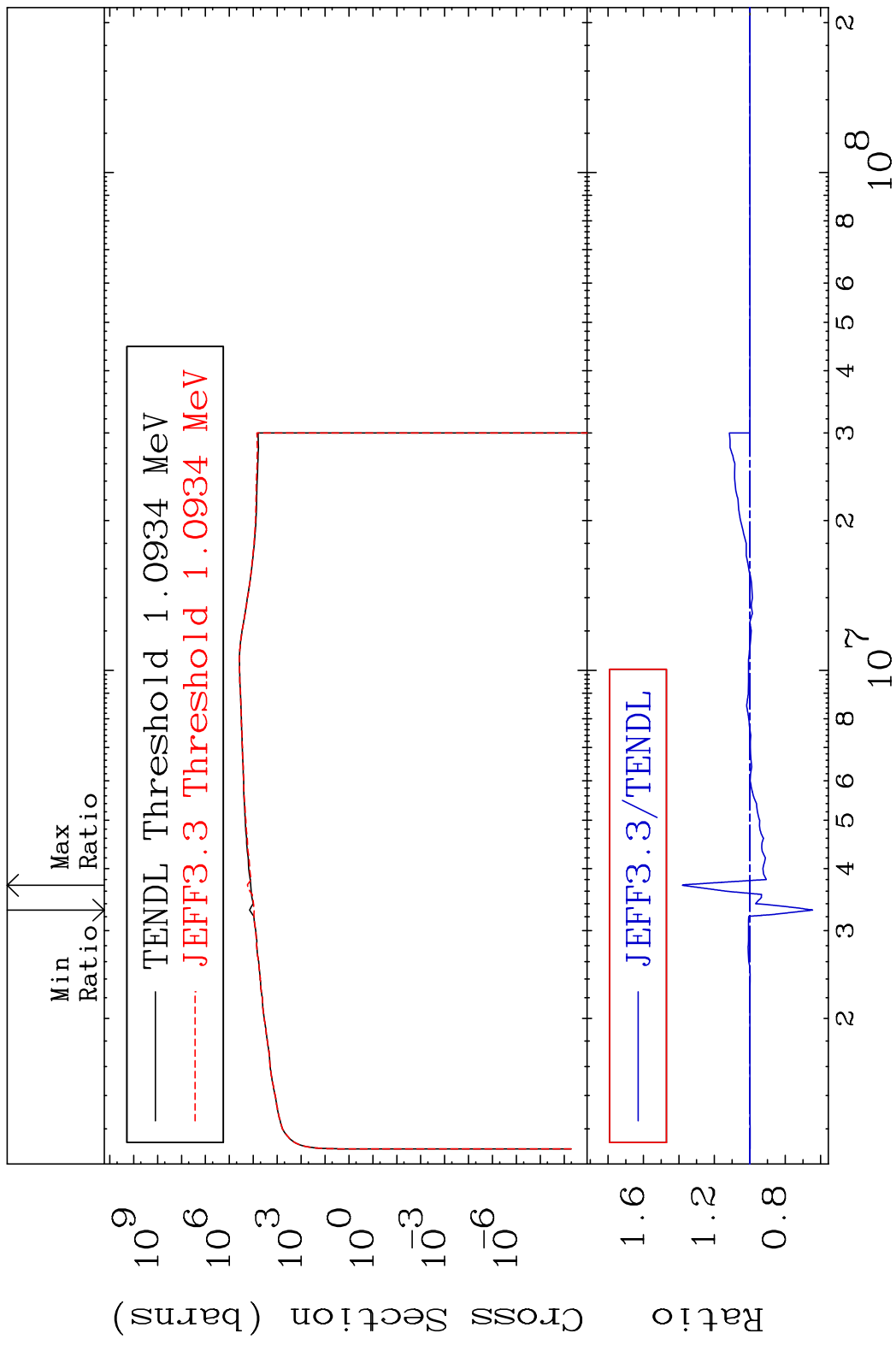
30-Zn-68

MAT 3037 Kerma non-elastic (all but mt2) 30-Zn-68
 Cross Section -99.54 To 9999. %

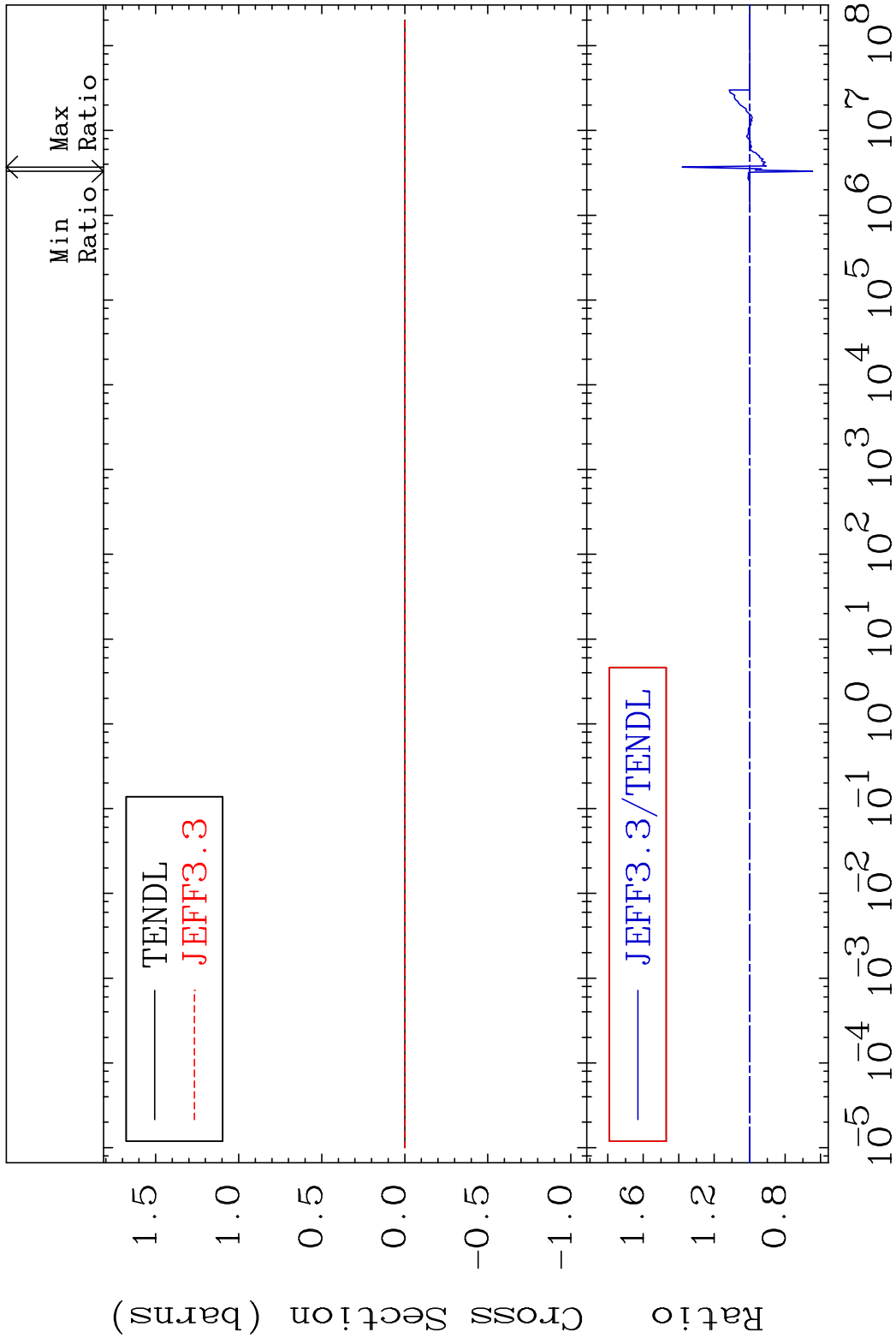


55 Incident Energy (eV) 30-Zn-68

MAT 3037 Kerma inelastic (mt51-91) 30-Zn-68
 Cross Section -35.41 To 38.06 %

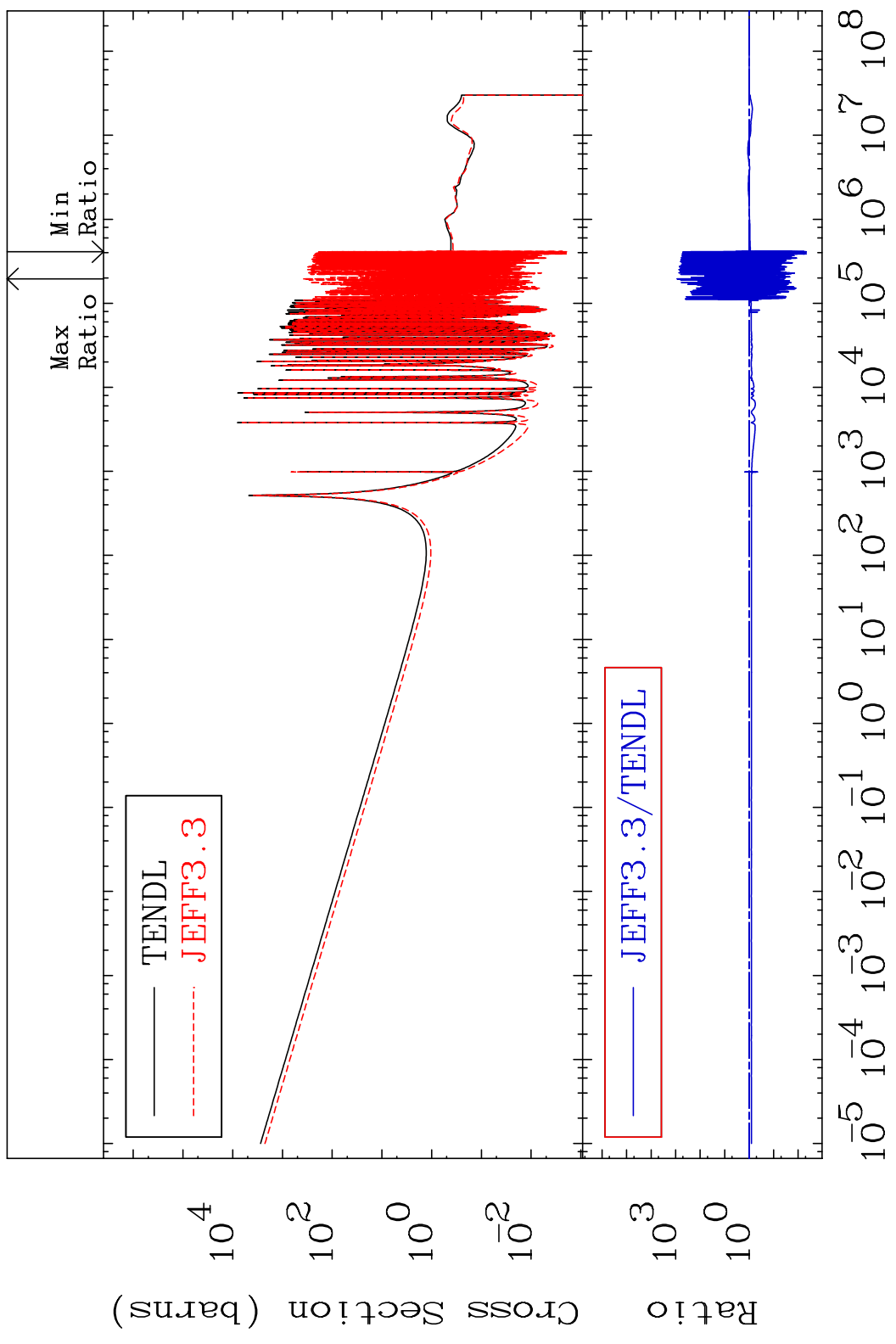


MAT 3037 Kerma fission (mt18 or mt19-20-21-38) 30-Zn-68
 Cross Section -35.41 To 38.06 %



MAT 3037

Kerma capture (mt102) 30-Zn-68
Cross Section -99.54 To 9999. %



58

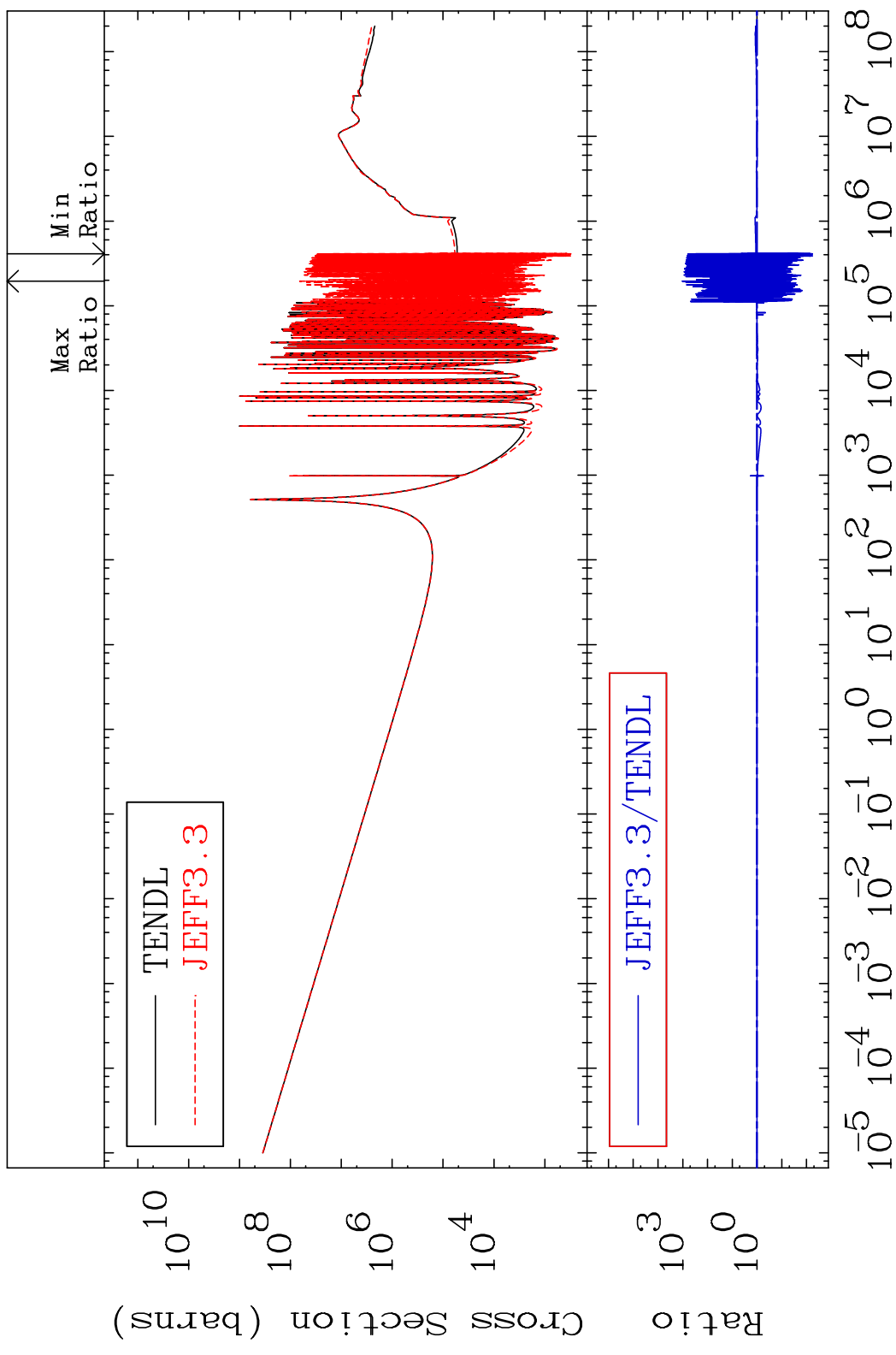
Incident Energy (eV) 30-Zn-68

MAT 3037

Total photon (eV-barns)

30-Zn-68

Cross Section -99.43 To 9999. %

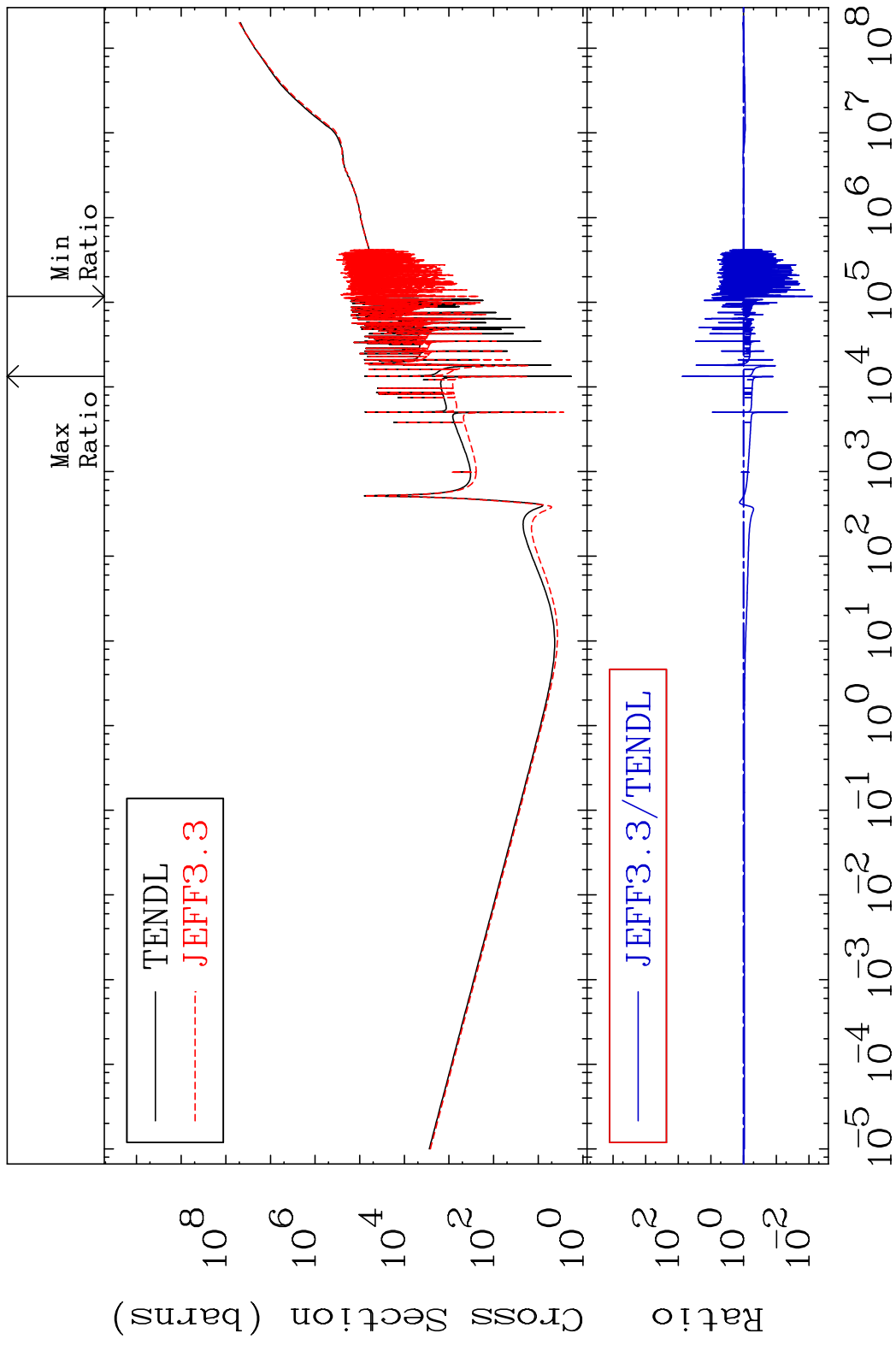


59

Incident Energy (eV)

30-Zn-68

MAT 3037 Total kinematic kerma (high limit) 30-Zn-68
 Cross Section -99.23 To 7431. %



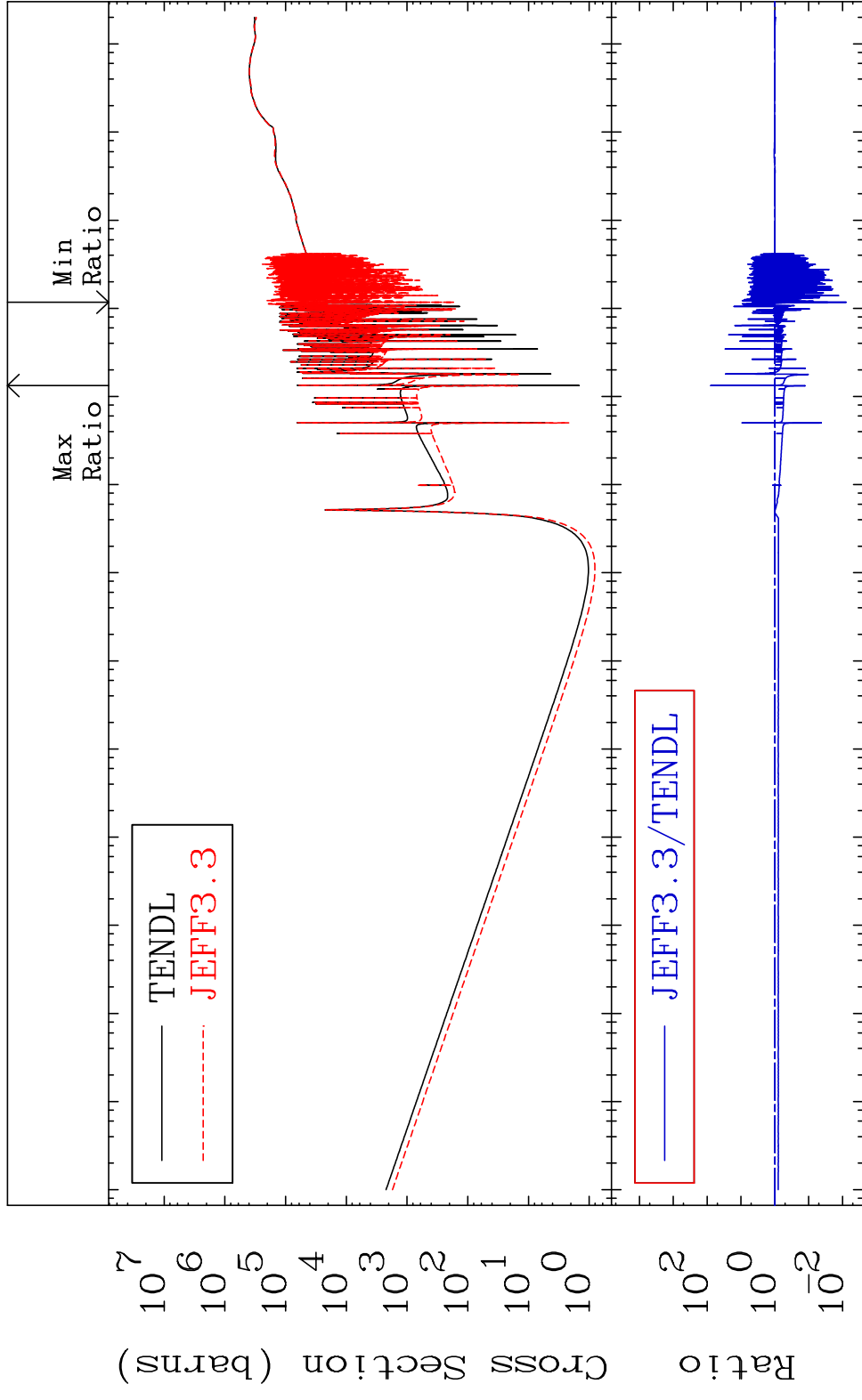
60 Incident Energy (eV) 30-Zn-68

MAT 3037

Dpa total (eV-barns)

30-Zn-68

Cross Section -99.23 To 7724. %



61

Incident Energy (eV)

30-Zn-68

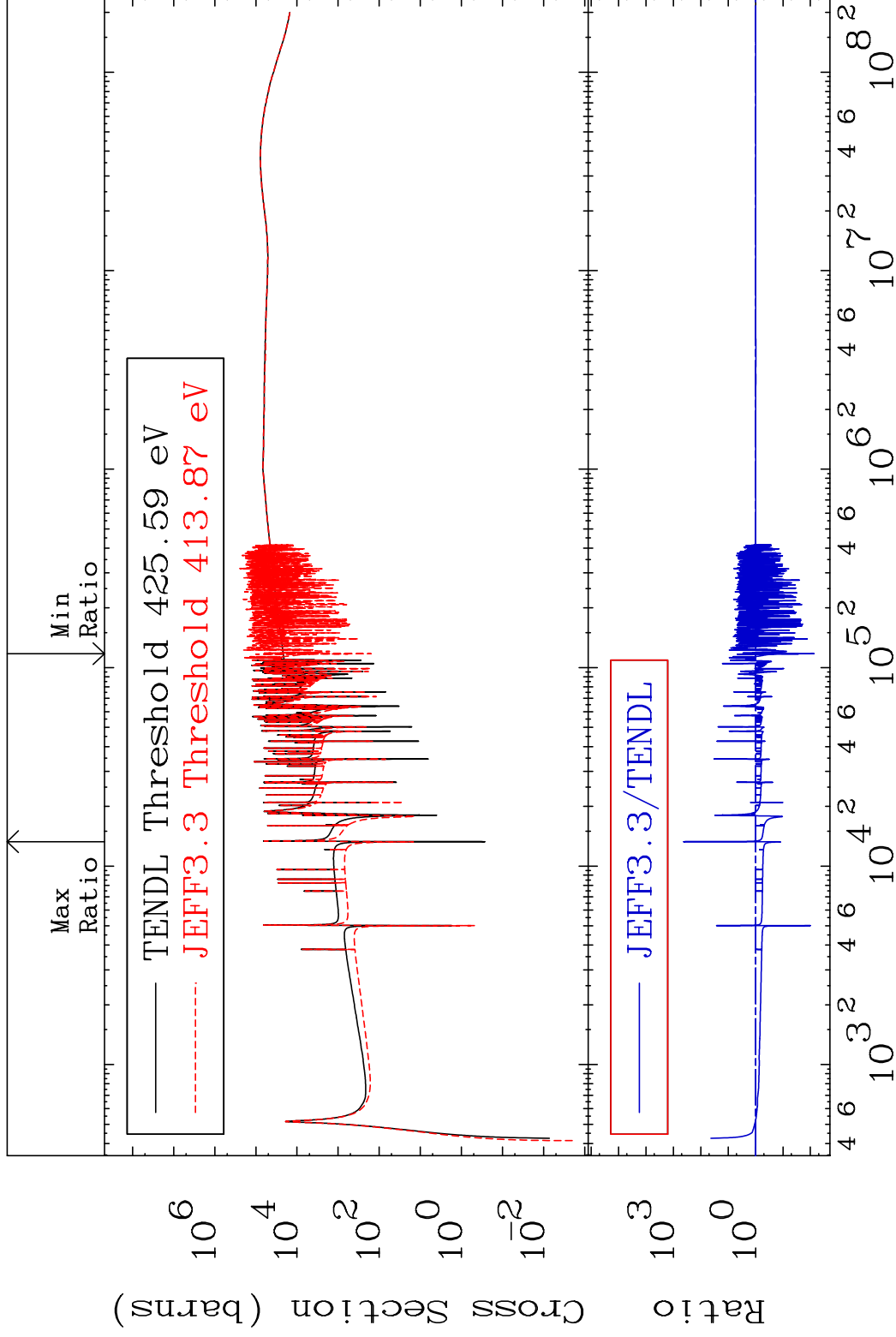
MAT 3037

Dpa elastic (mt2)

30-Zn-68

Cross Section

-99.27 To 9999. %



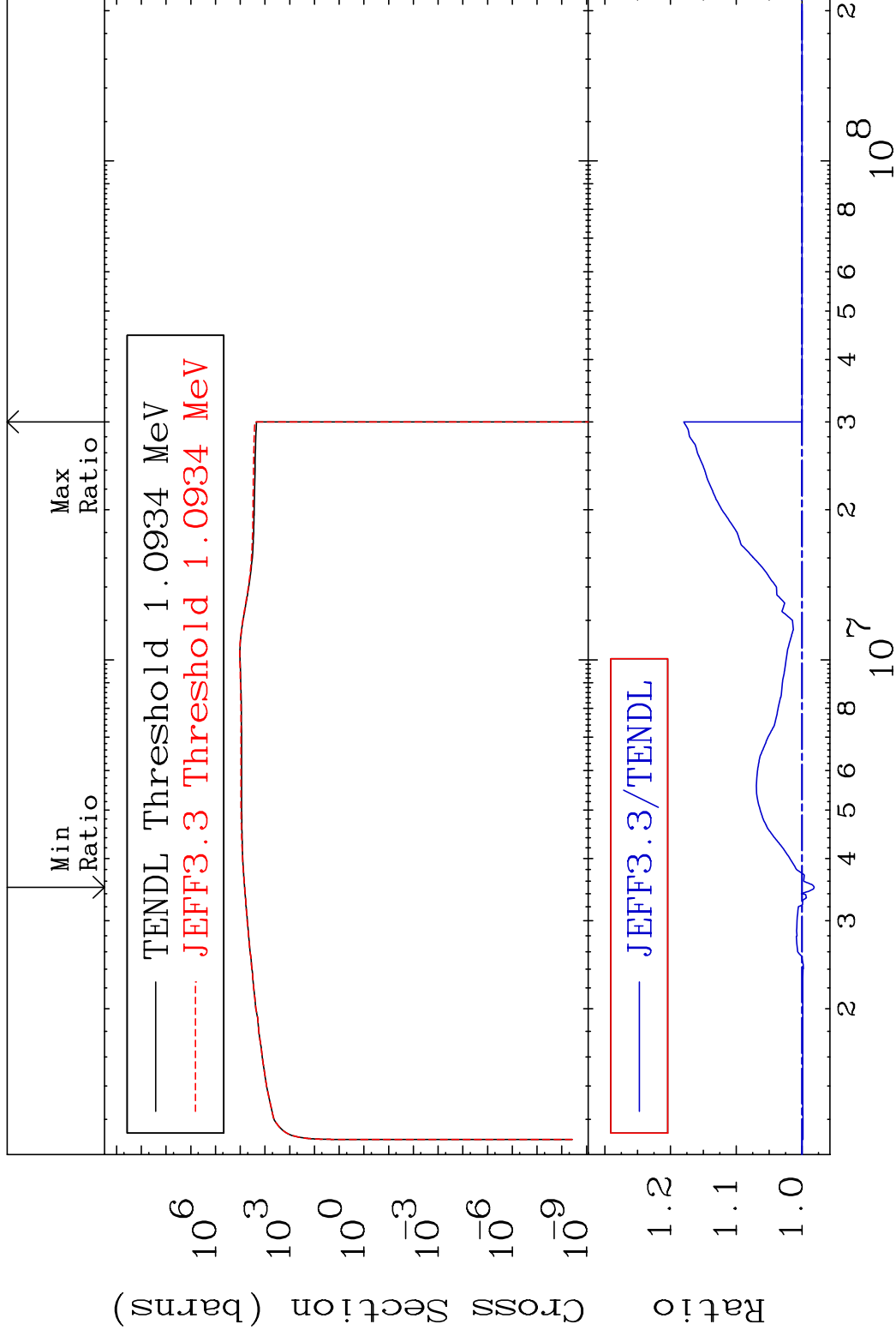
62

Incident Energy (eV)

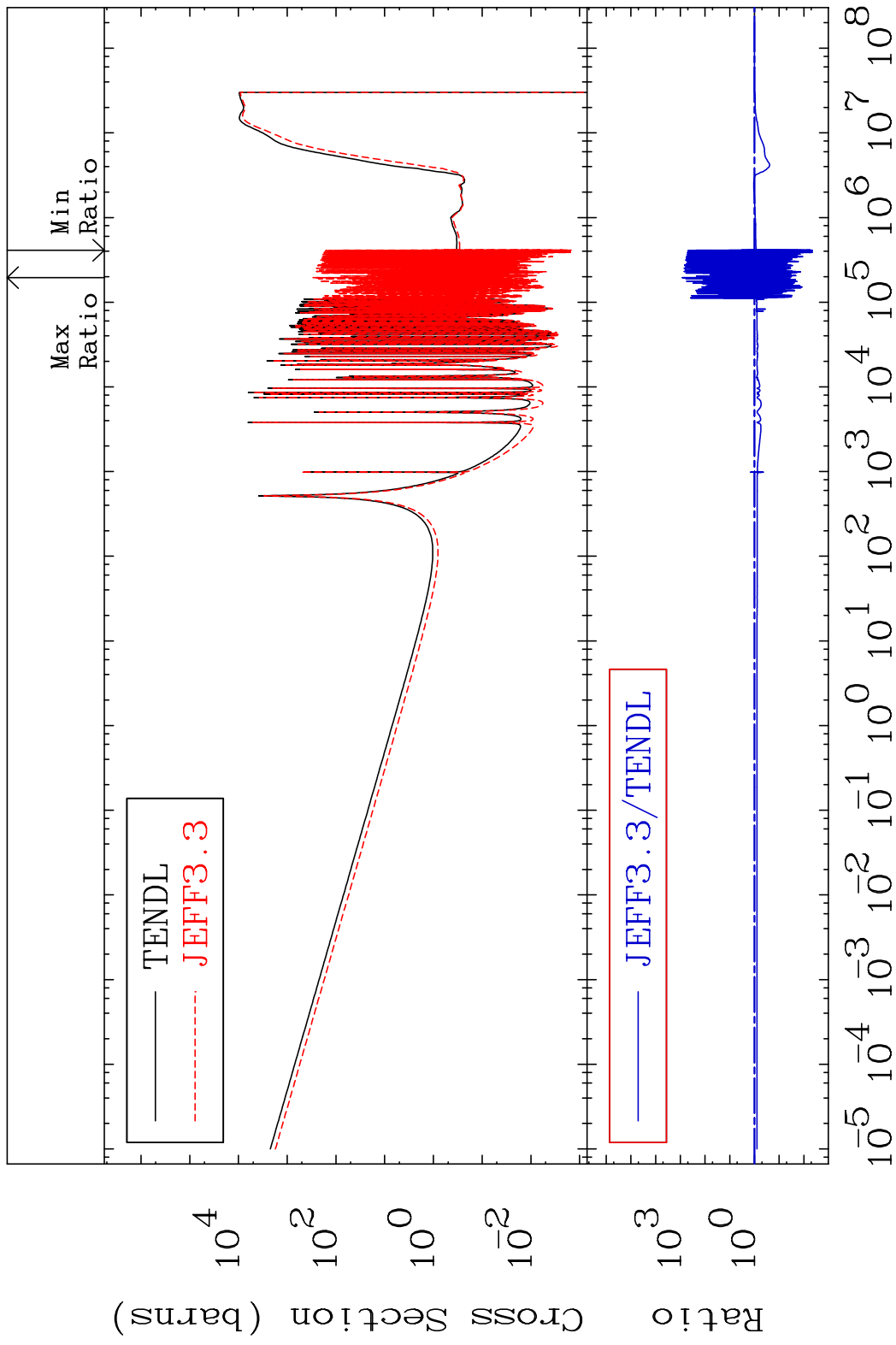
30-Zn-68

MAT 3037

Dpa inelastic (mt51-91) 30-Zn-68
Cross Section -1.828 To 18.00 %



MAT 3037 Dpa disappearance (mt102 -120) 30-Zn-68
 Cross Section -99.55 To 9999. %



64 Incident Energy (eV) 30-Zn-68

MAT 3037 (n, p) : 29-Cu-68g 30-Zn-68
 Radionuclide Production Cross Section 0.000 %

