

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

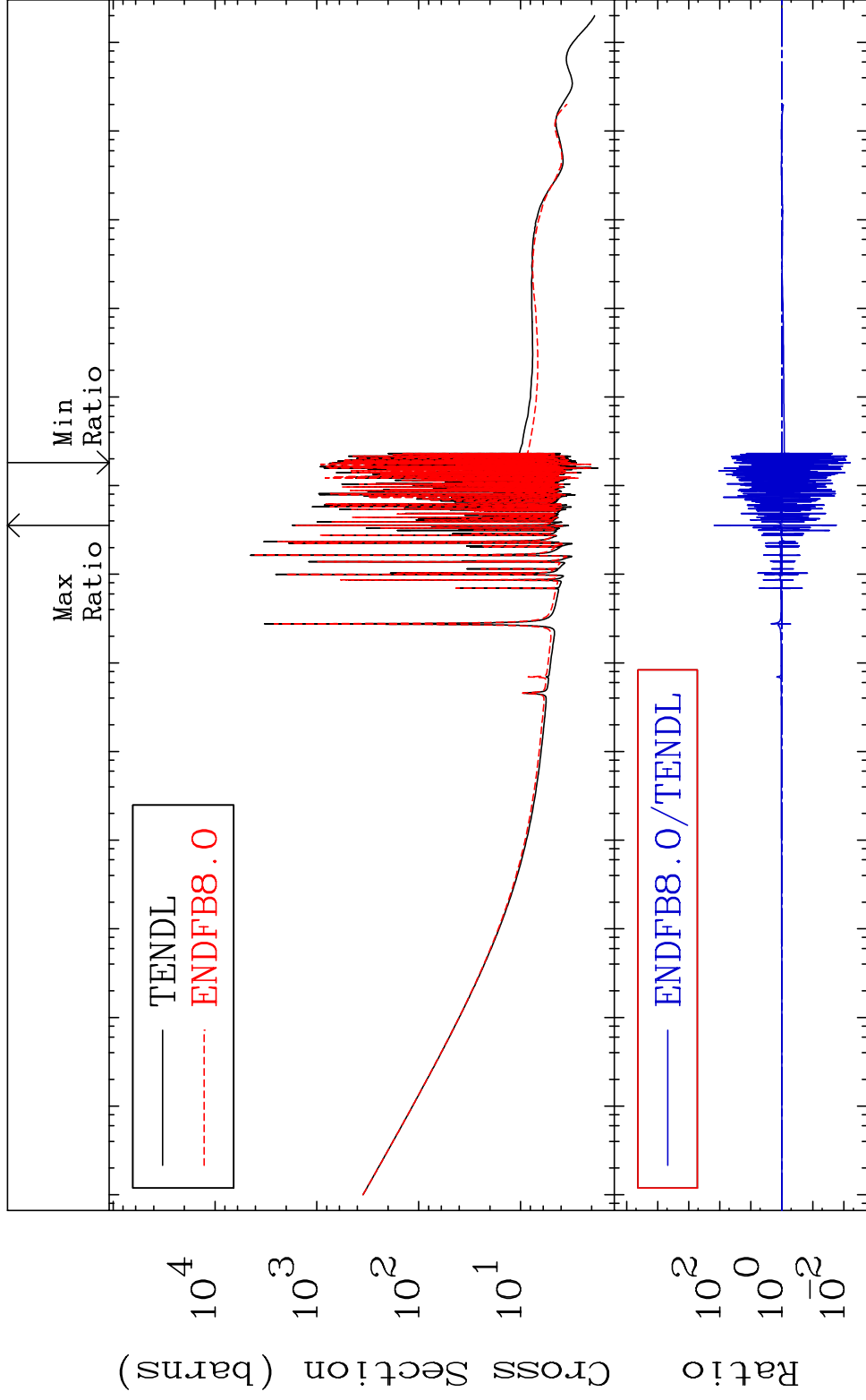
Press Mouse Button to Start

MAT 4840

Total

48-Cd-111

Cross Section -99.37 To 9999. %



1

Incident Energy (eV)

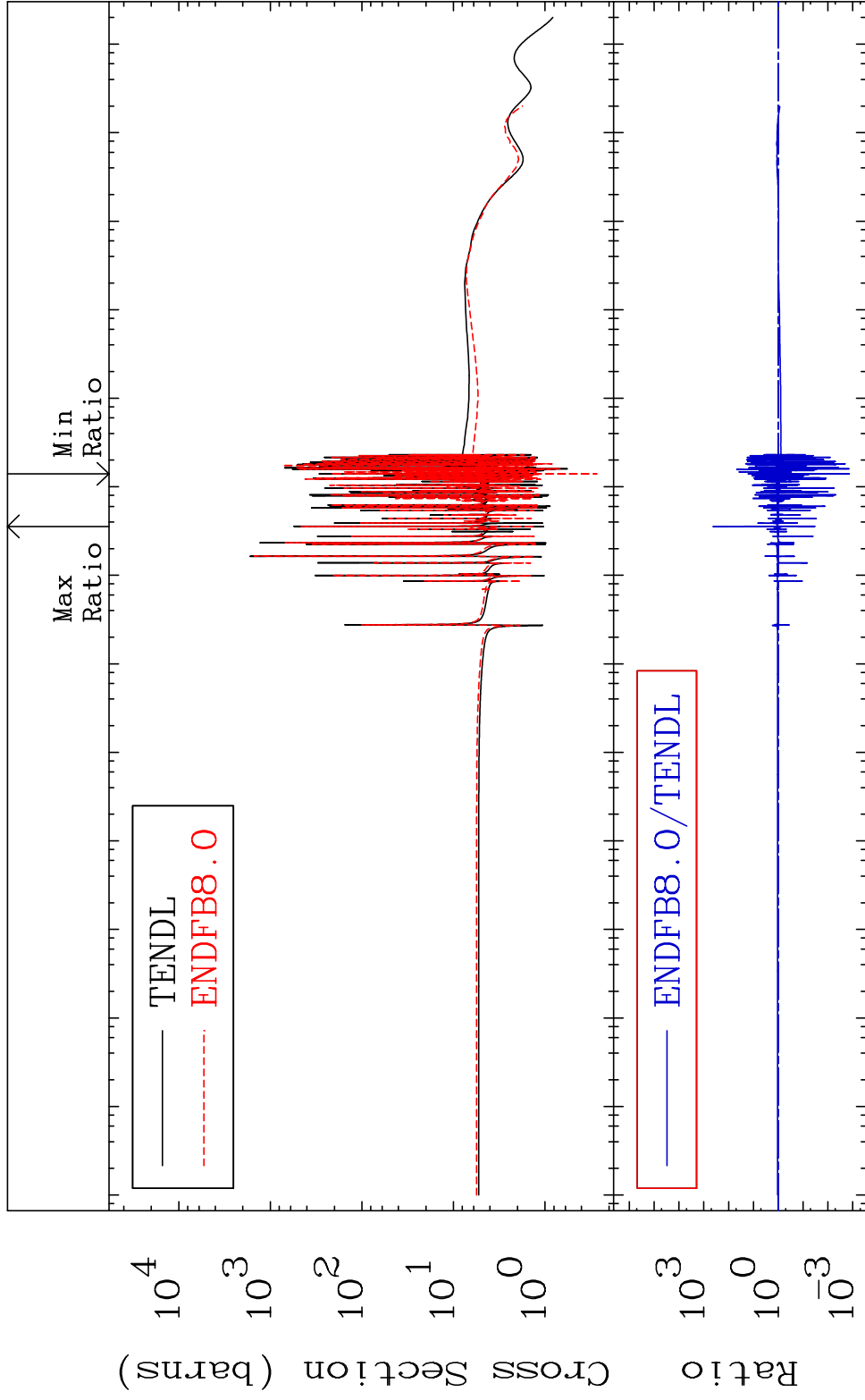
48-Cd-111

MAT 4840

Elastic

48-Cd-111

Cross Section -99.86 To 9999. %

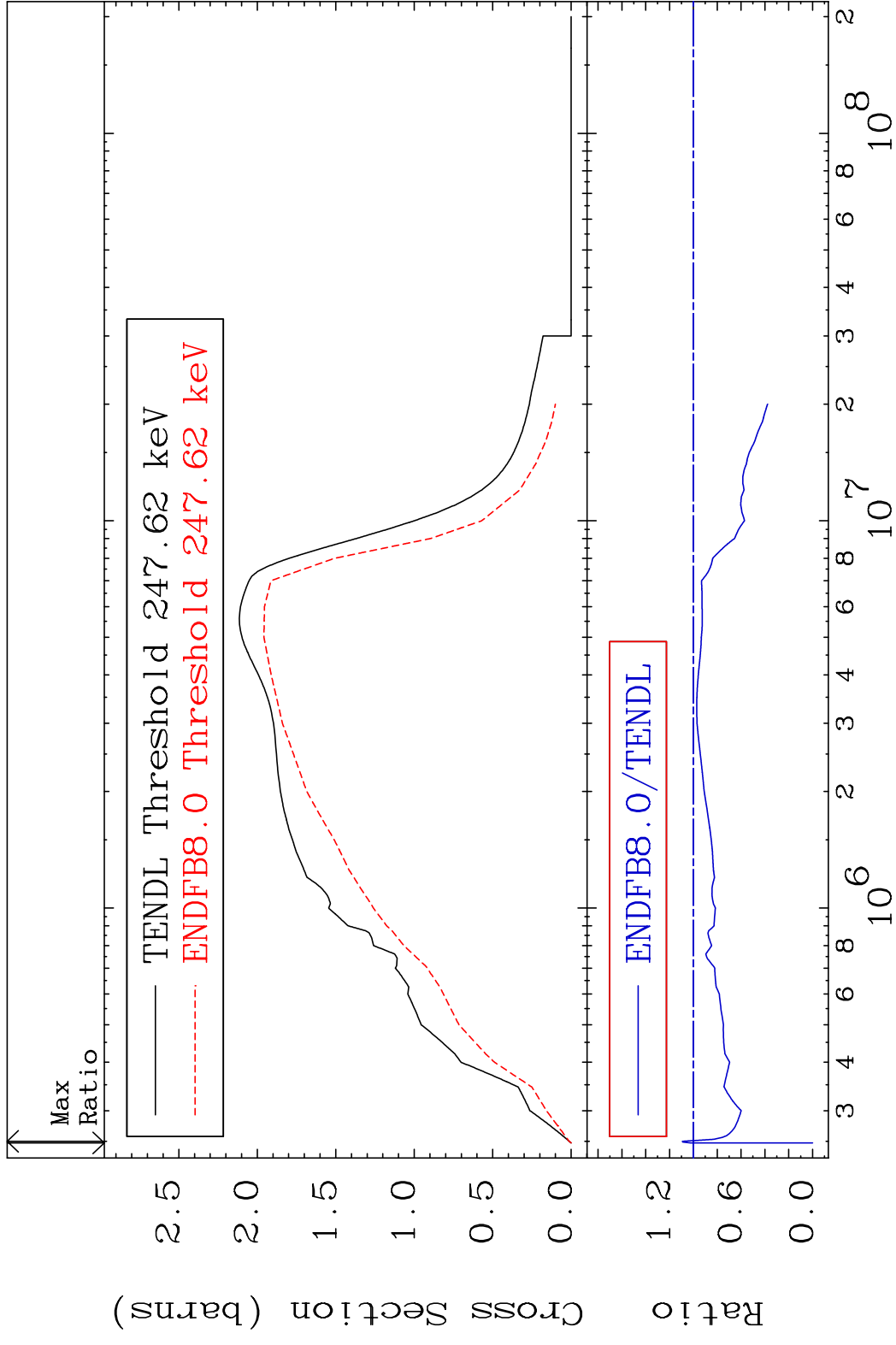


2

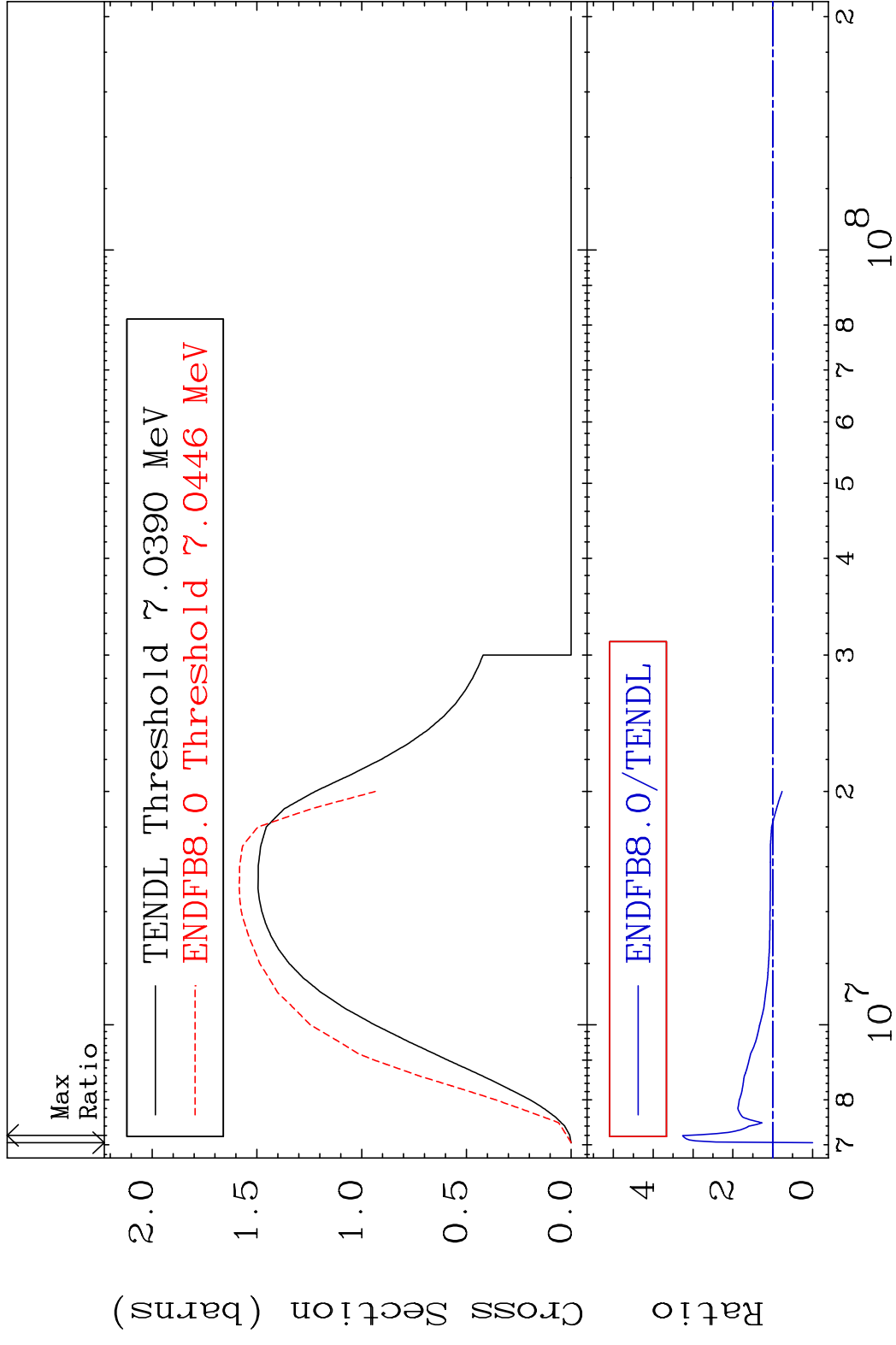
Incident Energy (eV)

48-Cd-111

MAT 4840 Inelastic 48-Cd-111
 Cross Section -100.0 To 9.255 %

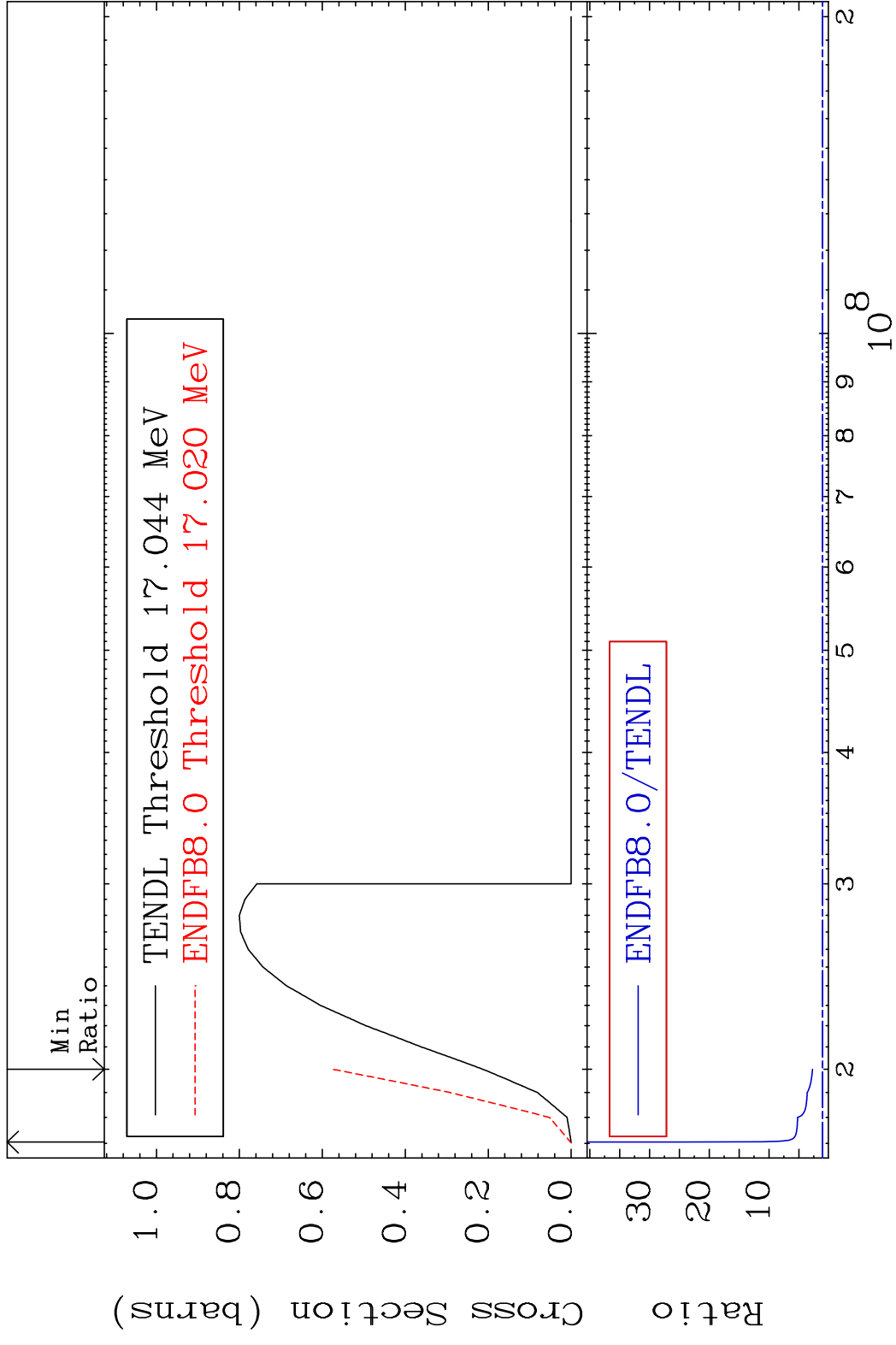


MAT 4840 (n,2n) 48-Cd-111
 Cross Section -100.0 To 226.8 %

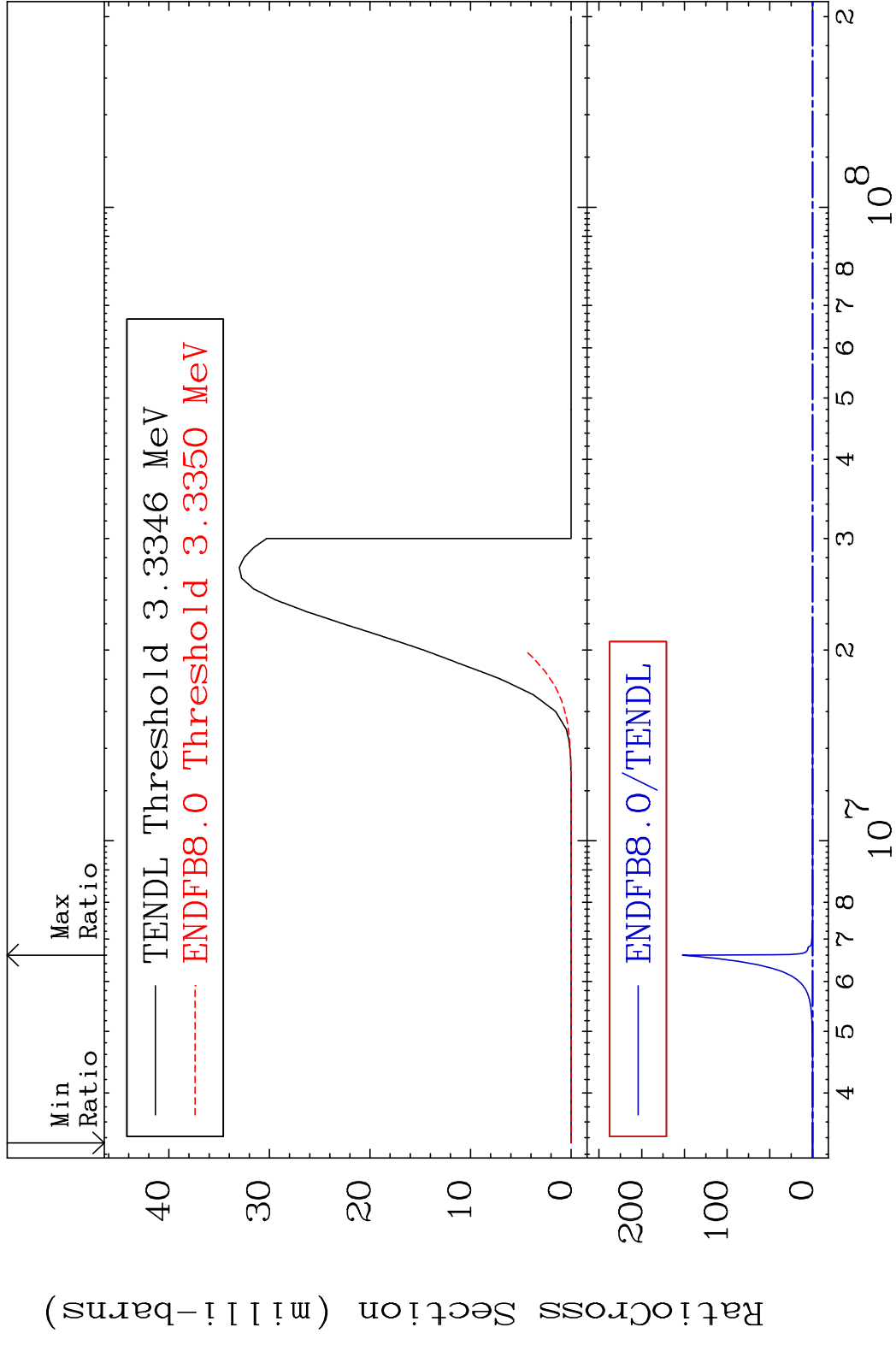


4 Incident Energy (eV) 48-Cd-111

MAT 4840 (n,3n) 48-Cd-111
 Cross Section 170.0 To 2349. %



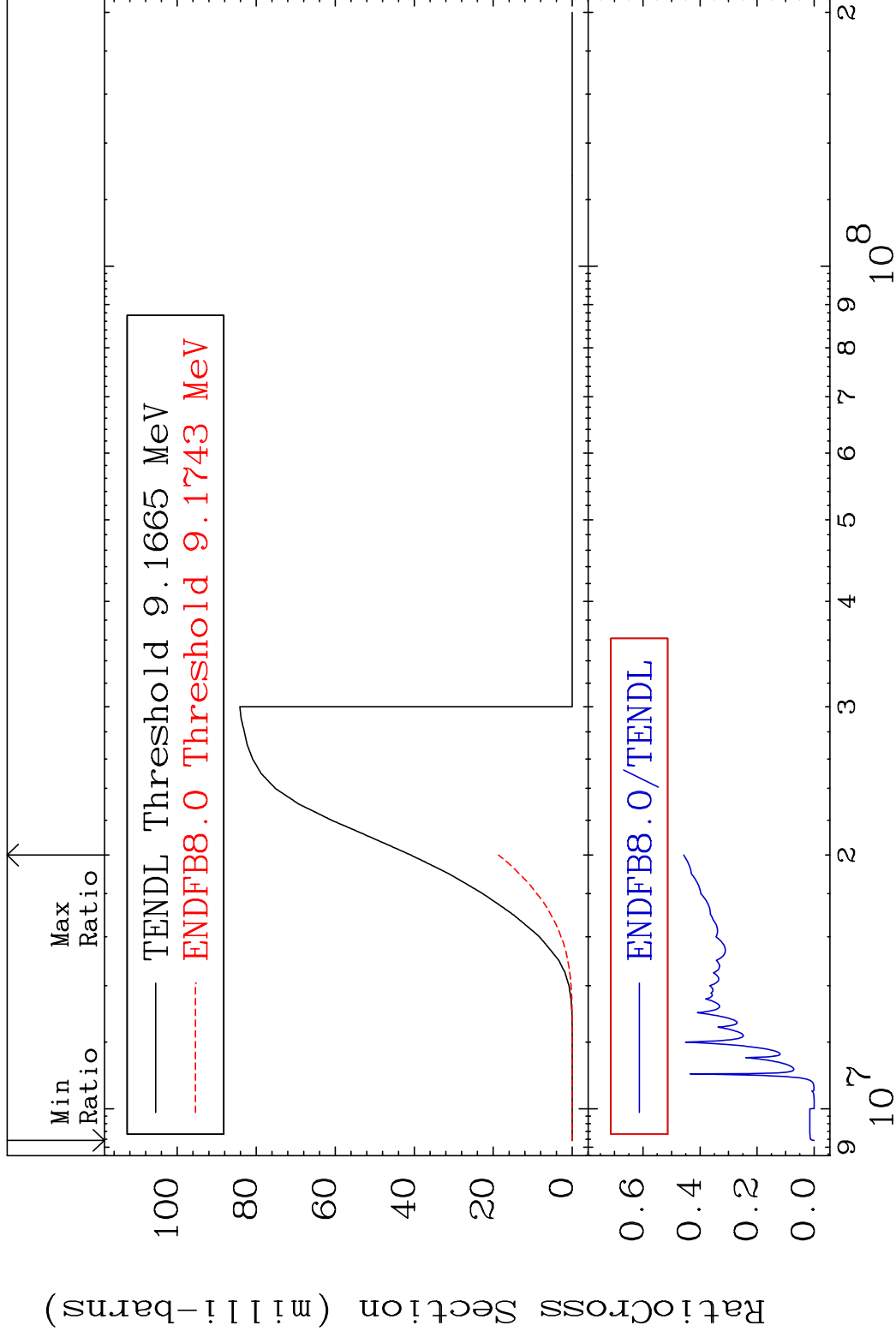
MAT 4840 (n, n') α 48-Cd-111
 Cross Section -100.0 To 9999. %



MAT 4840

(n, n') p 48-Cd-111

Cross Section -100.0 To -54.25%

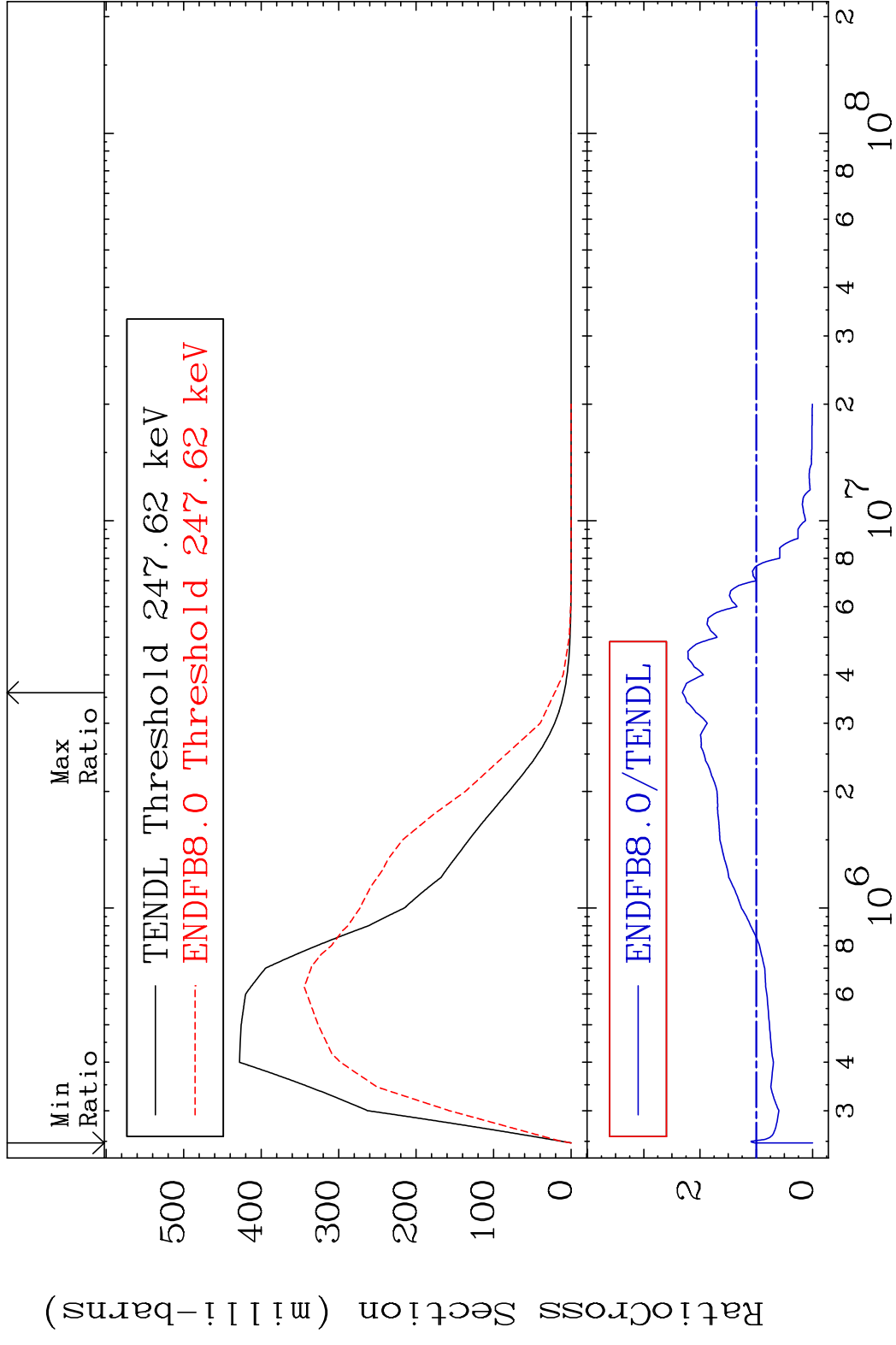


7

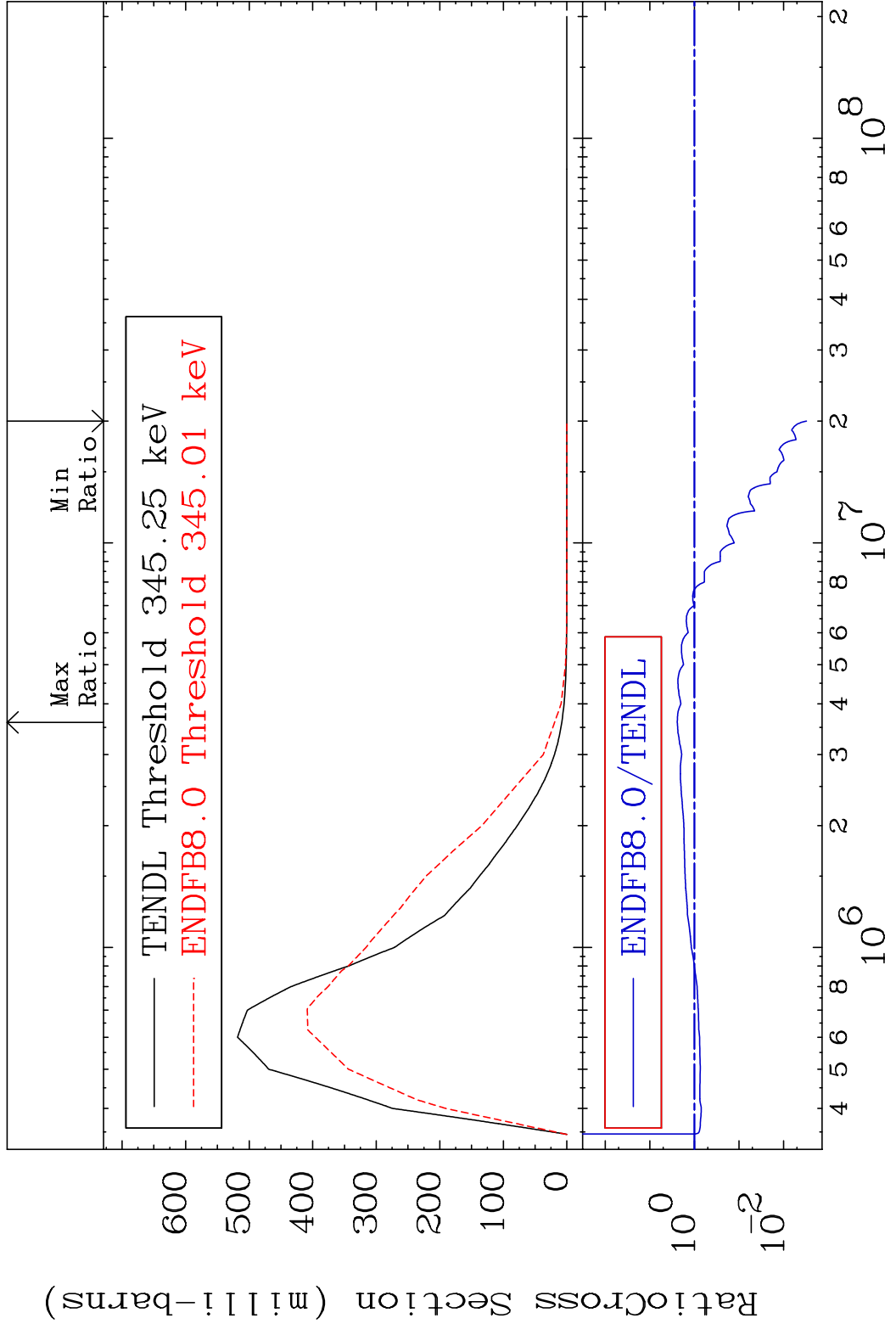
Incident Energy (eV)

48-Cd-111

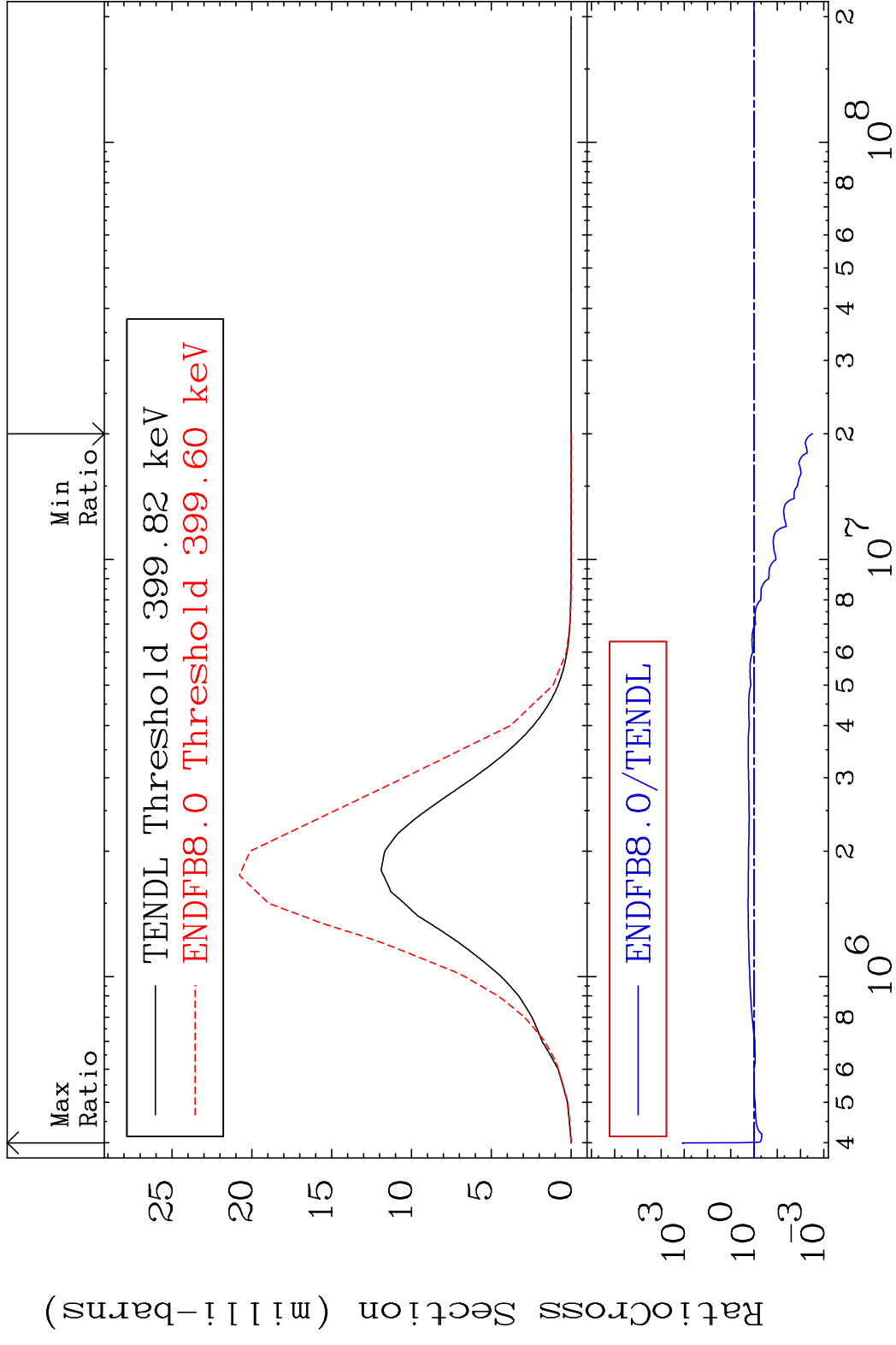
MAT 4840 MT= 51 (n, n') Level 48-Cd-111
 Cross Section -100.0 To 131.4 %



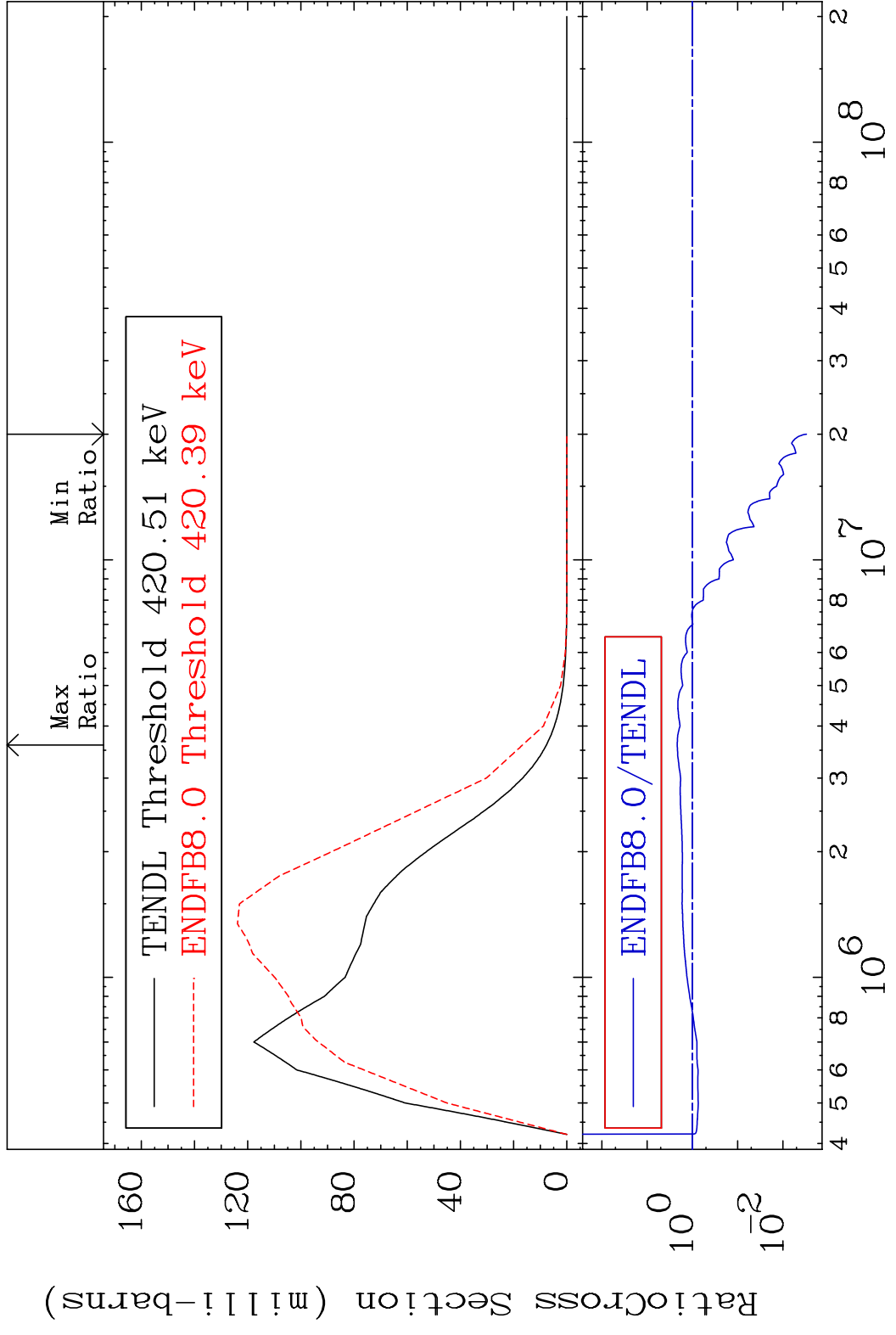
MAT 4840 MT= 52 (n, n') Level 48-Cd-111
 Cross Section -99.69 To 142.2 %



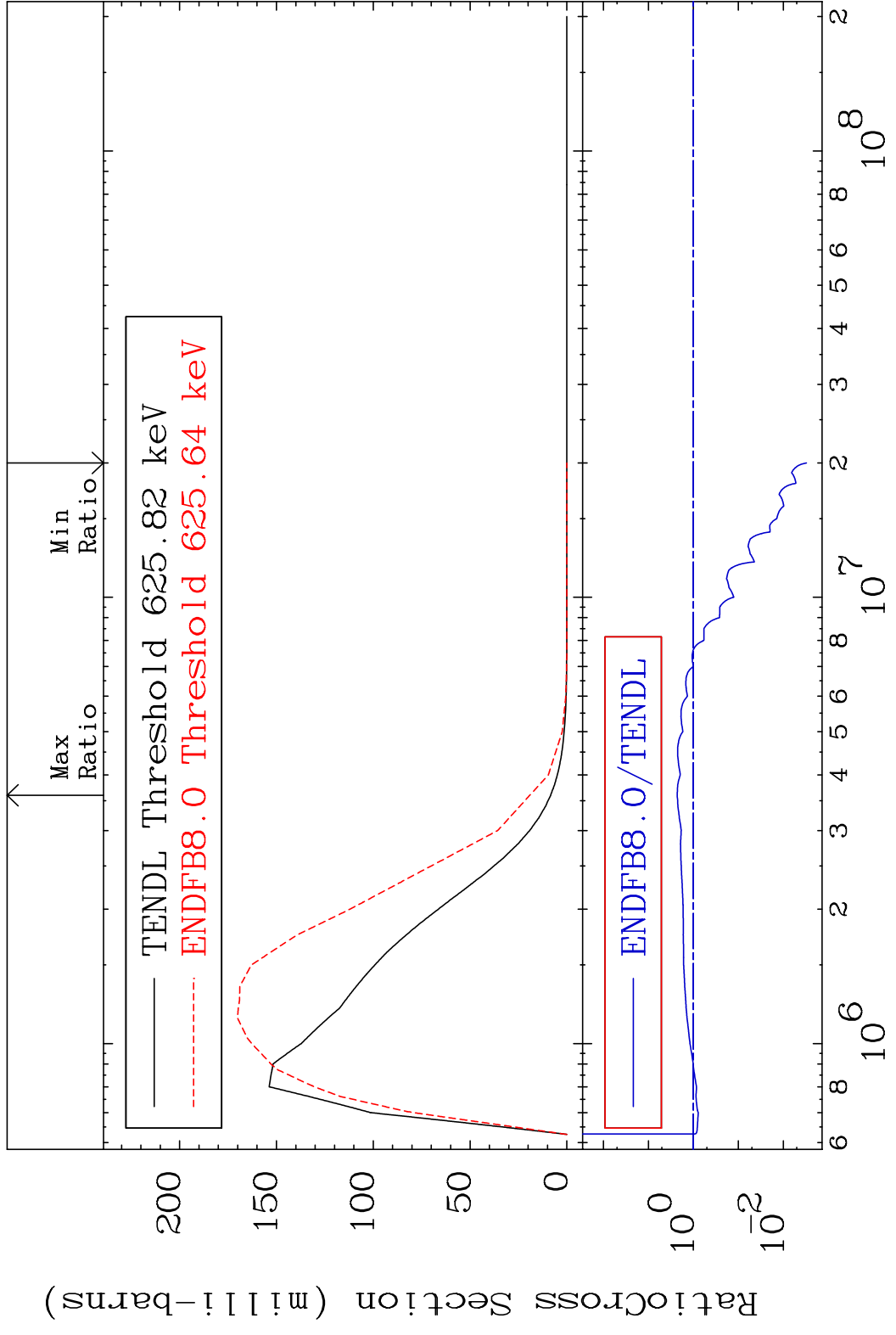
MAT 4840 MT= 53 (n,n') Level 48-Cd-111
 Cross Section -99.70 To 9999. %



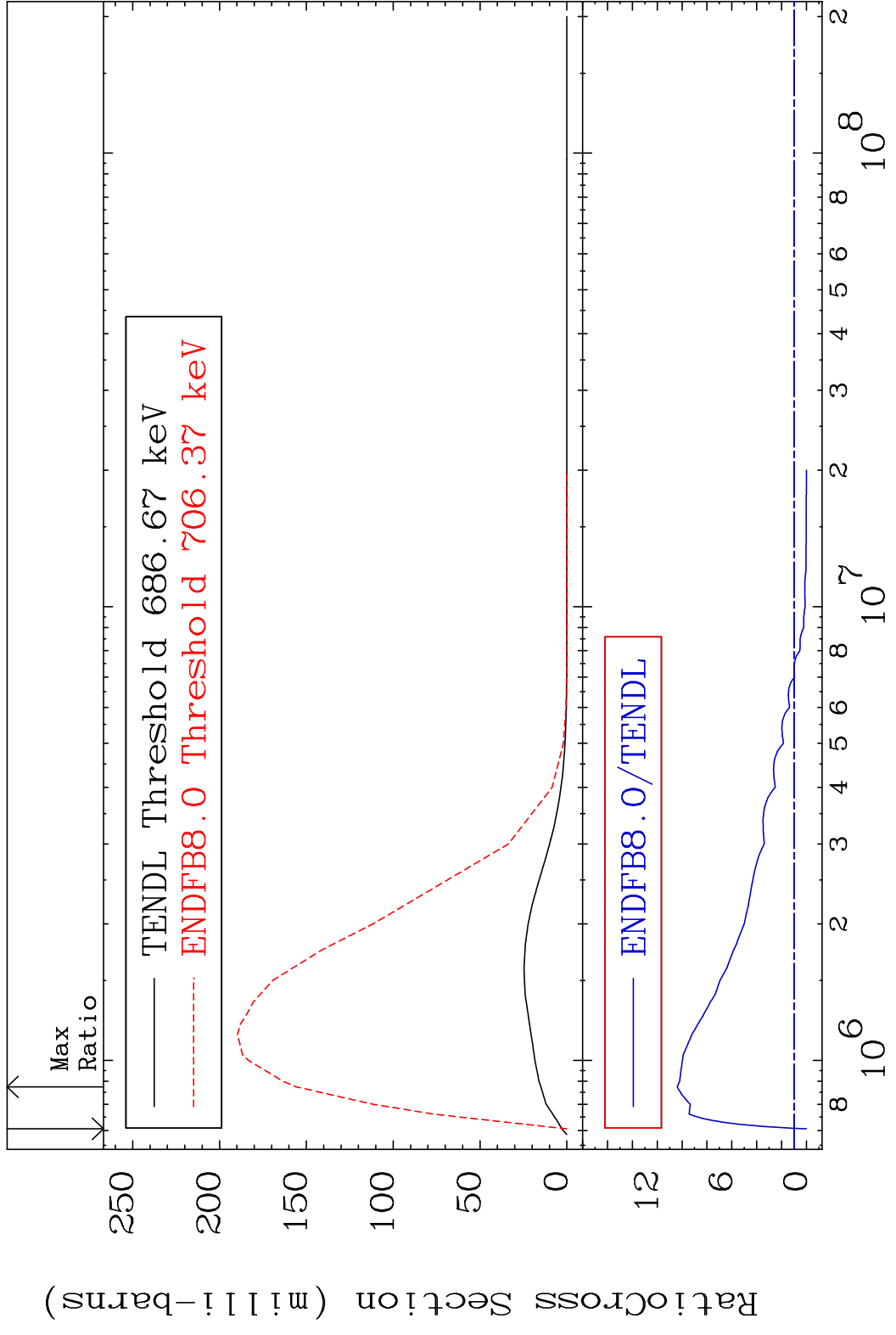
MAT 4840 MT= 54 (n, n') Level 48-Cd-111
 Cross Section -99.70 To 117.0 %



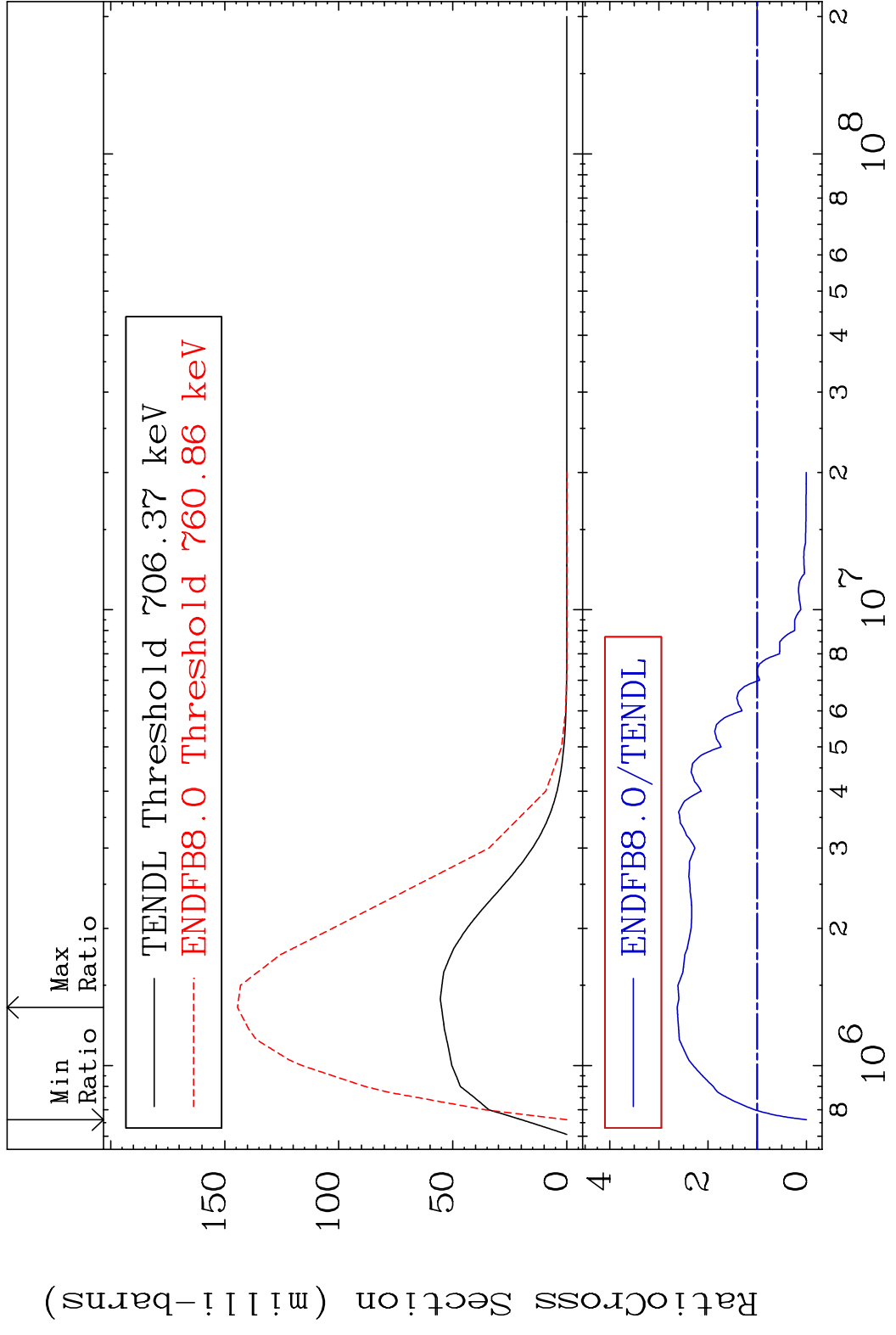
MAT 4840 MT= 55 (n, n') Level 48-Cd-111
 Cross Section -99.69 To 128.6 %



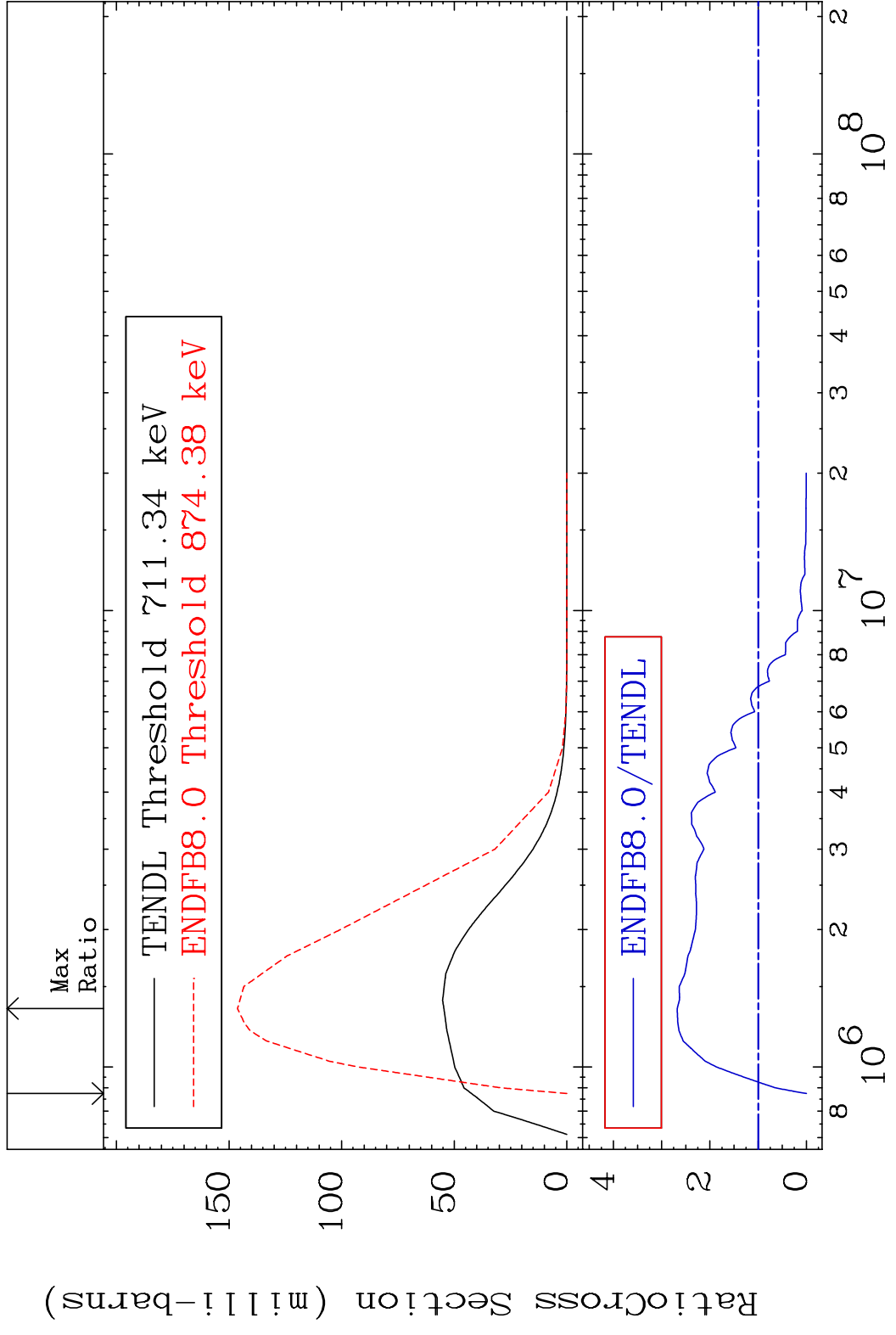
MAT 4840 MT= 56 (n,n') Level 48-Cd-111
 Cross Section -100.0 To 939.5 %



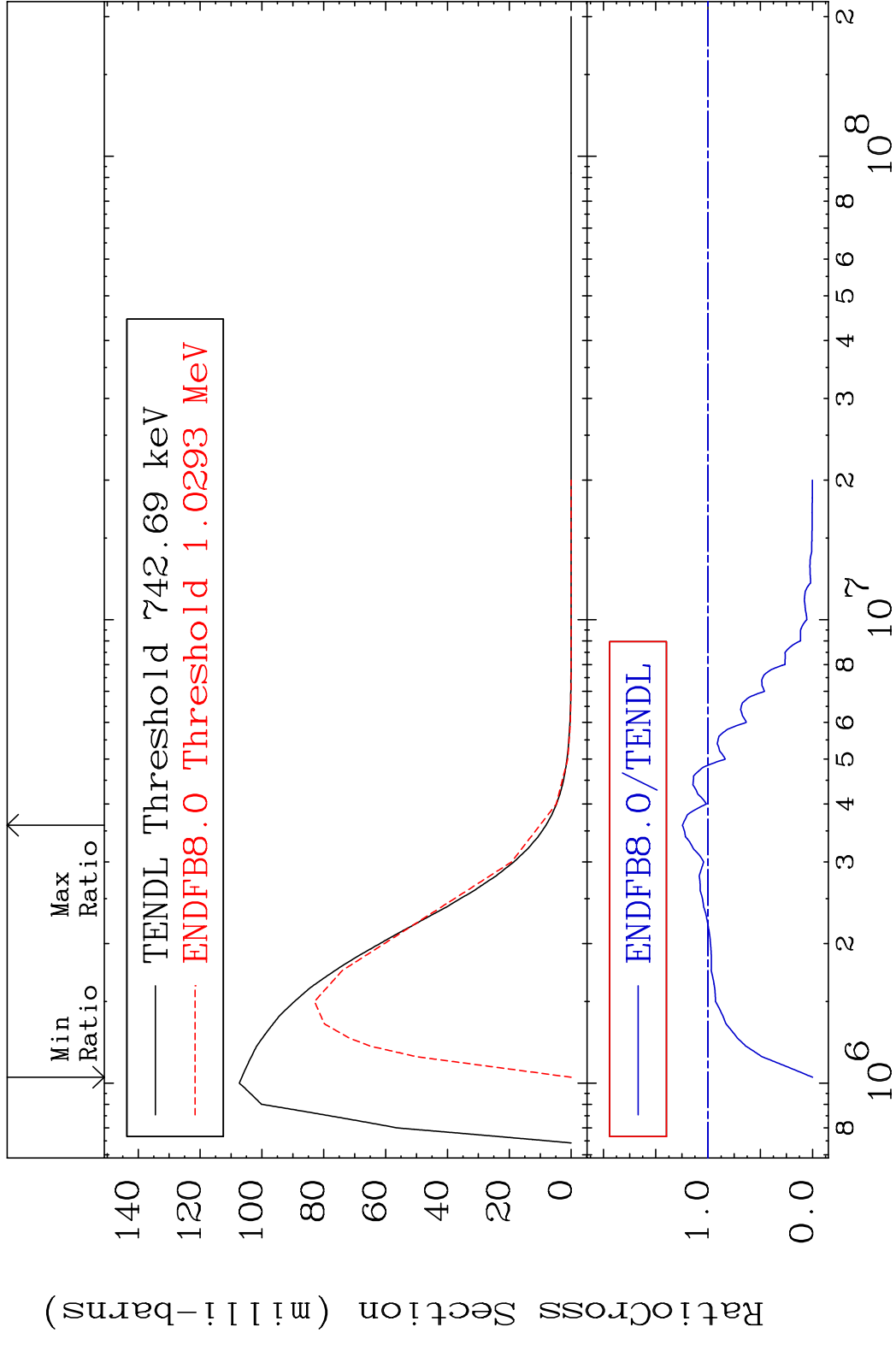
MAT 4840 MT= 57 (n,n') Level 48-Cd-111
 Cross Section -100.0 To 162.8 %



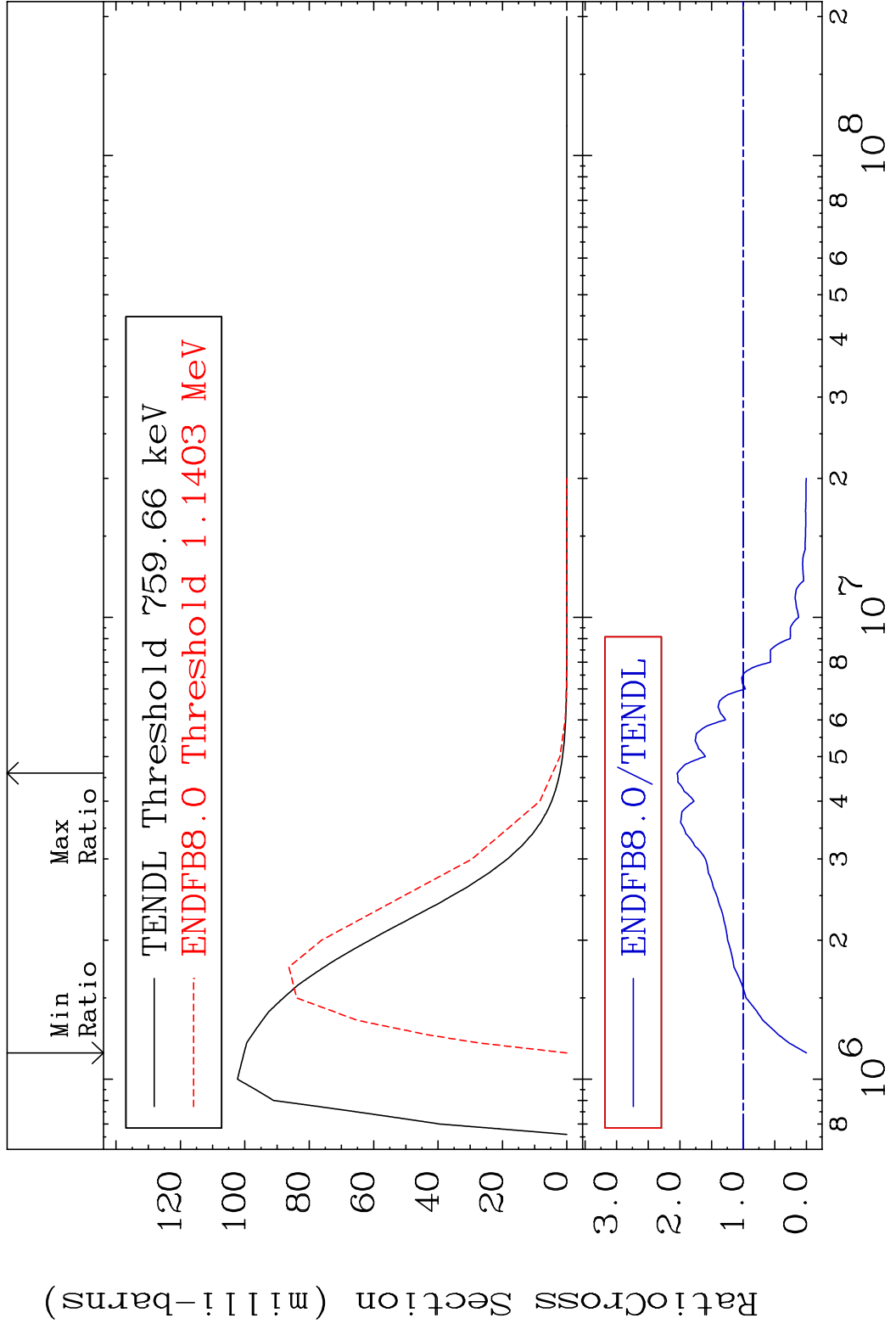
MAT 4840 MT= 58 (n,n') Level 48-Cd-111
 Cross Section -100.0 To 167.8 %



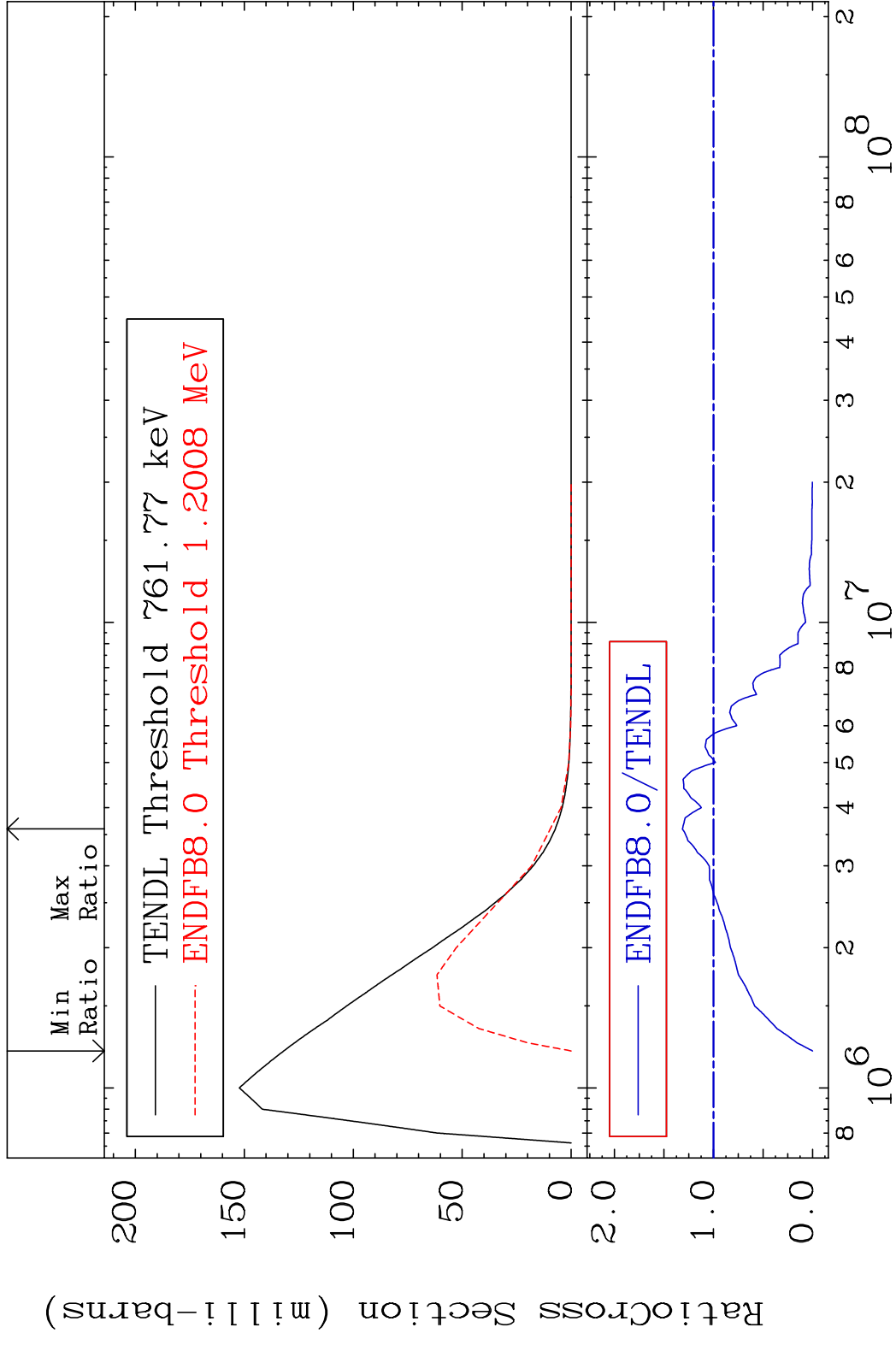
MAT 4840 MT= 59 (n,n') Level 48-Cd-111
 Cross Section -100.0 To 24.57 %



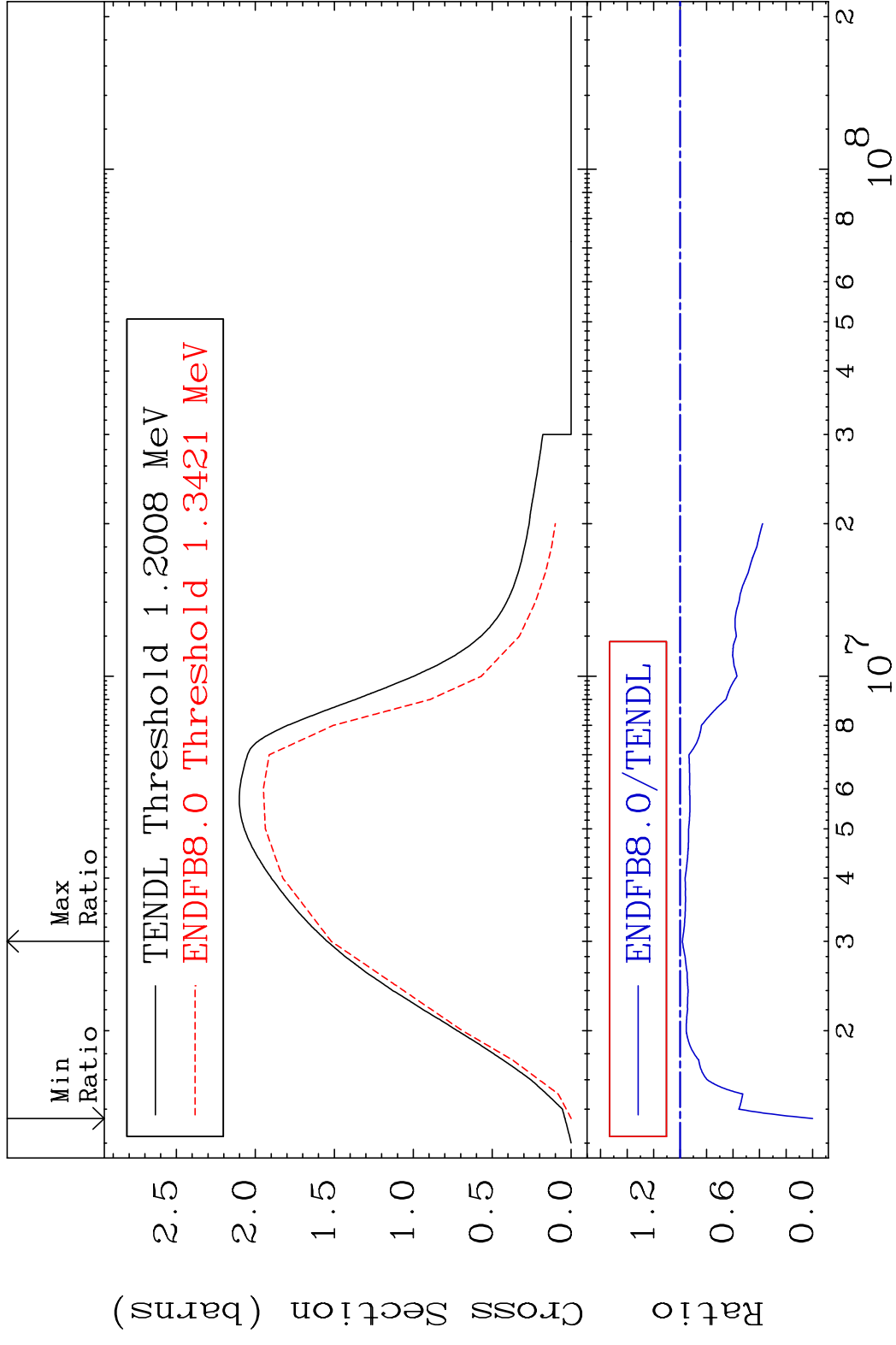
MAT 4840 MT= 60 (n,n') Level 48-Cd-111
 Cross Section -100.0 To 104.3 %



MAT 4840 MT= 61 (n, n') Level 48-Cd-111
 Cross Section -100.0 To 31.45 %



MAT 4840 (n, n') Continuum 48-Cd-111
 Cross Section -100.0 To -1.710%

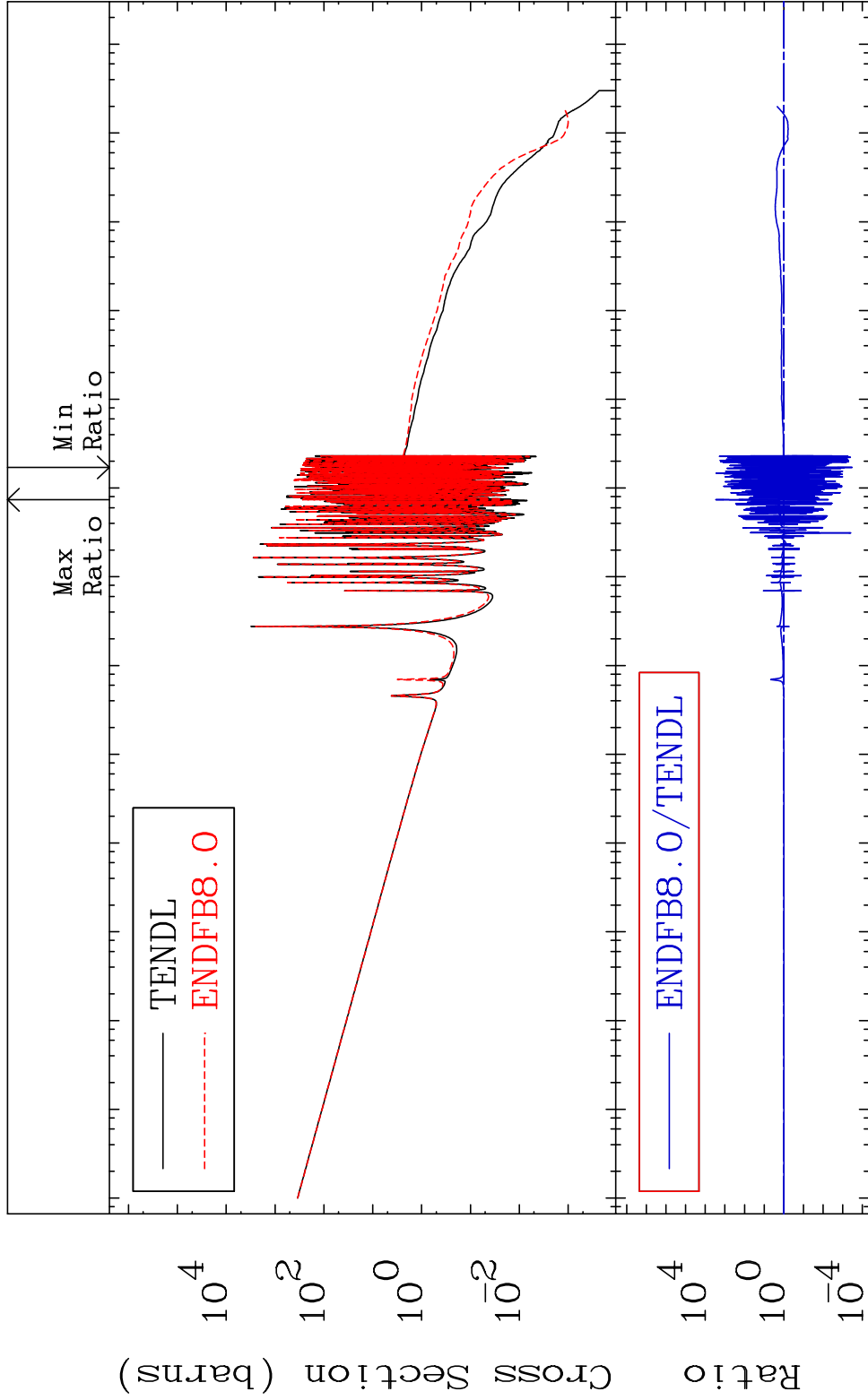


MAT 4840

(n, γ)

48-Cd-111

Cross Section -99.97 To 9999. %

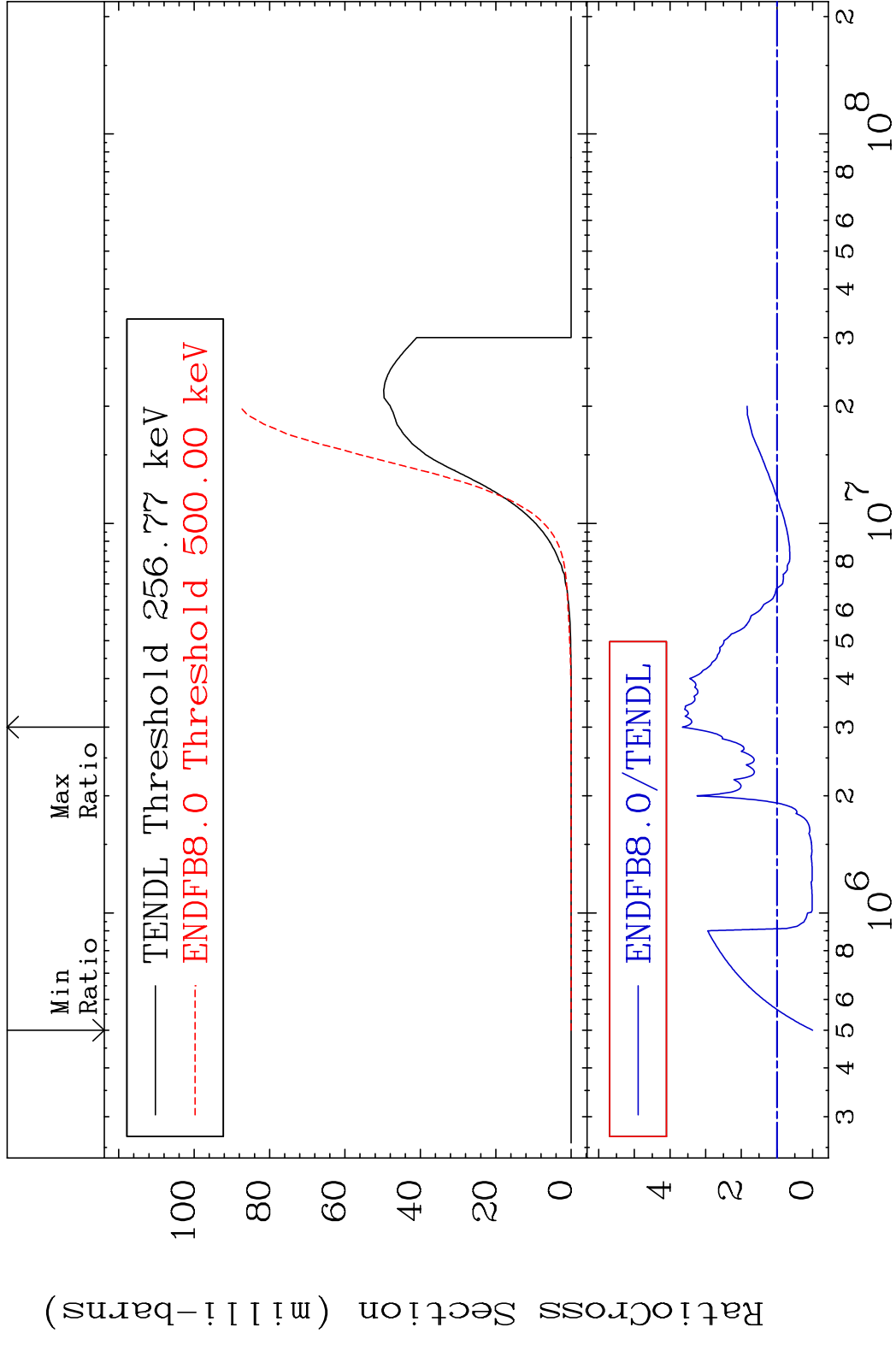


21

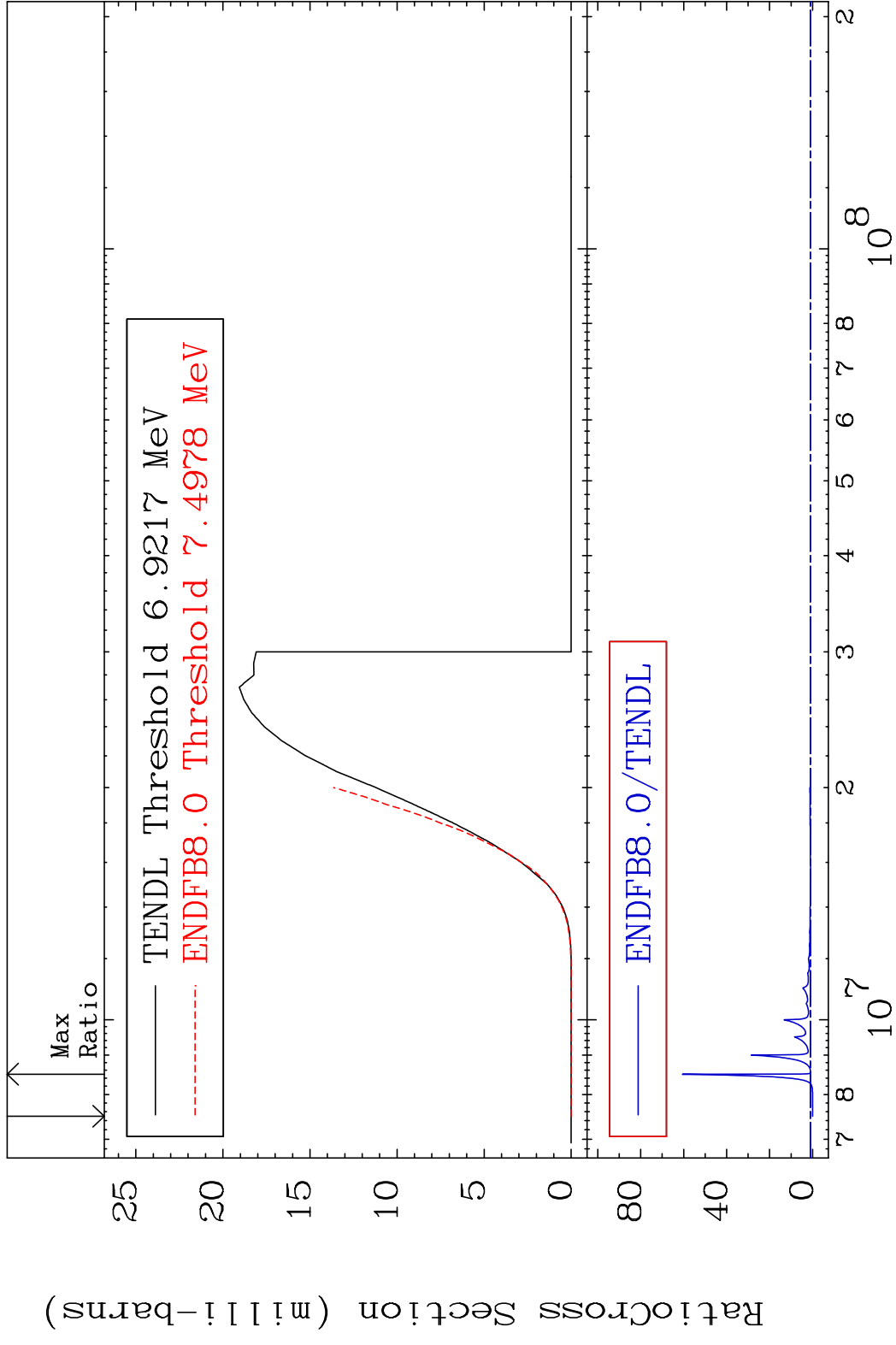
Incident Energy (eV)

48-Cd-111

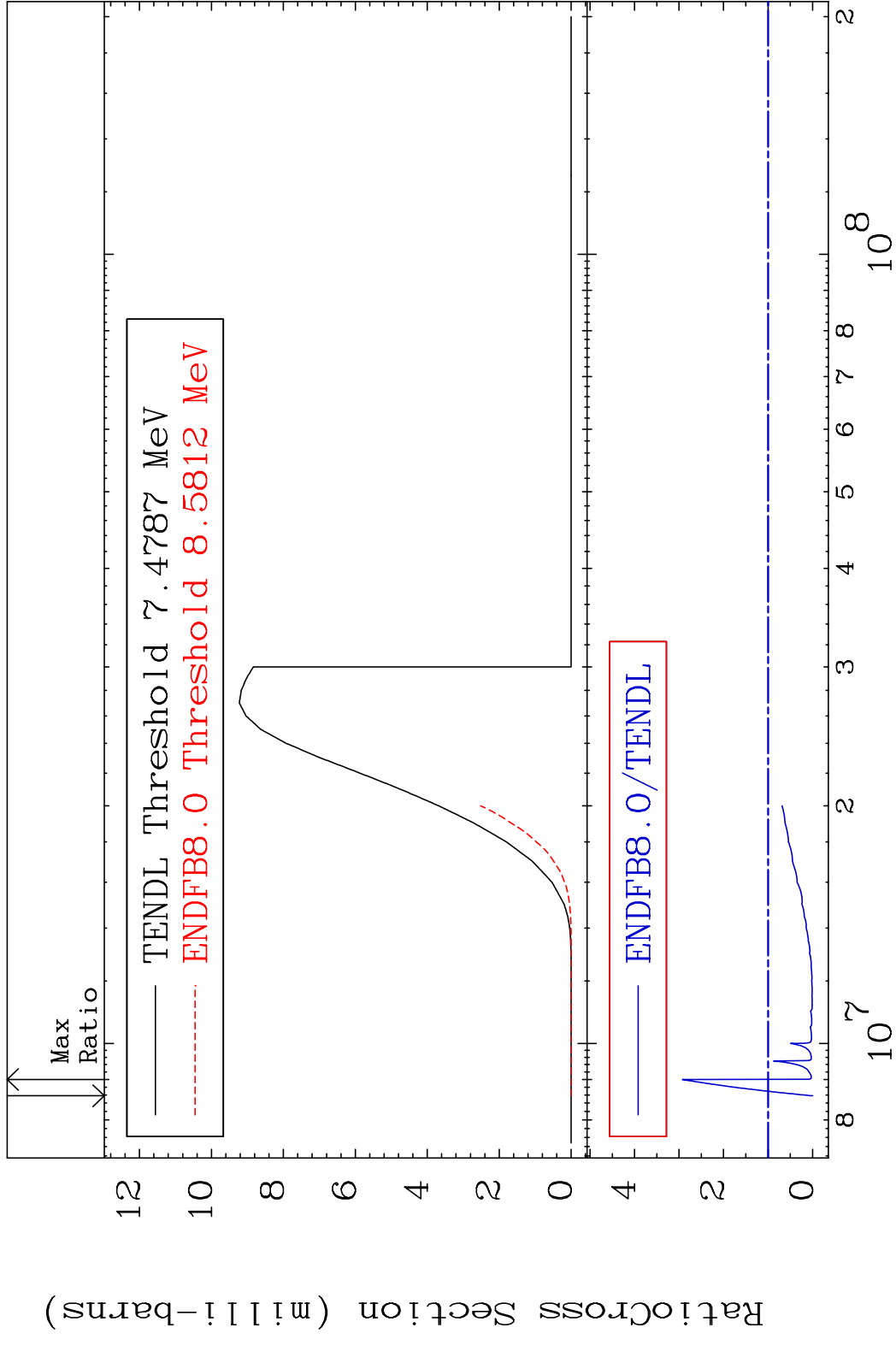
MAT 4840 (n,p) 48-Cd-111
 Cross Section -100.0 To 265.3 %



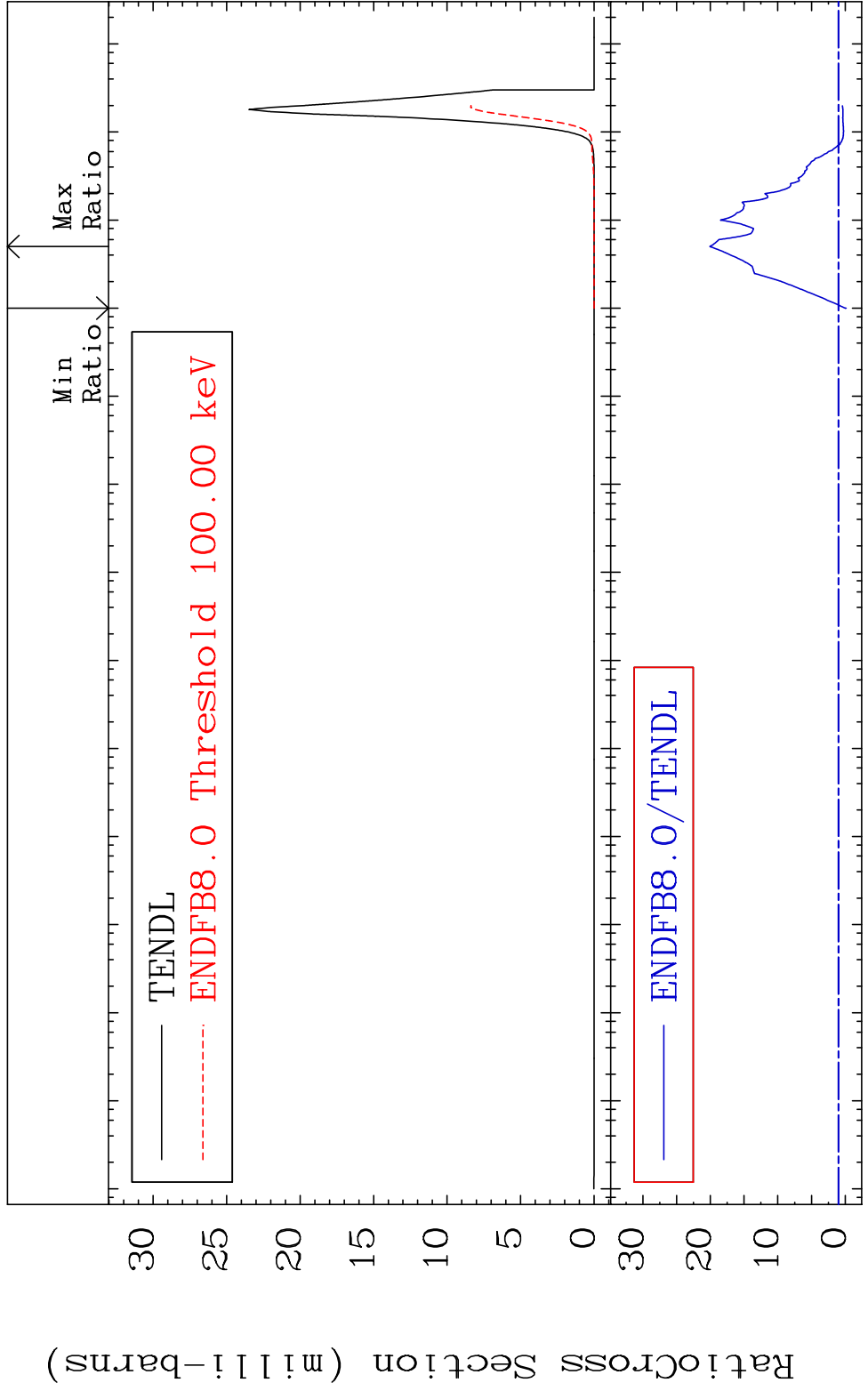
MAT 4840 (n,d) 48-Cd-111
 Cross Section -100.0 To 5962. %



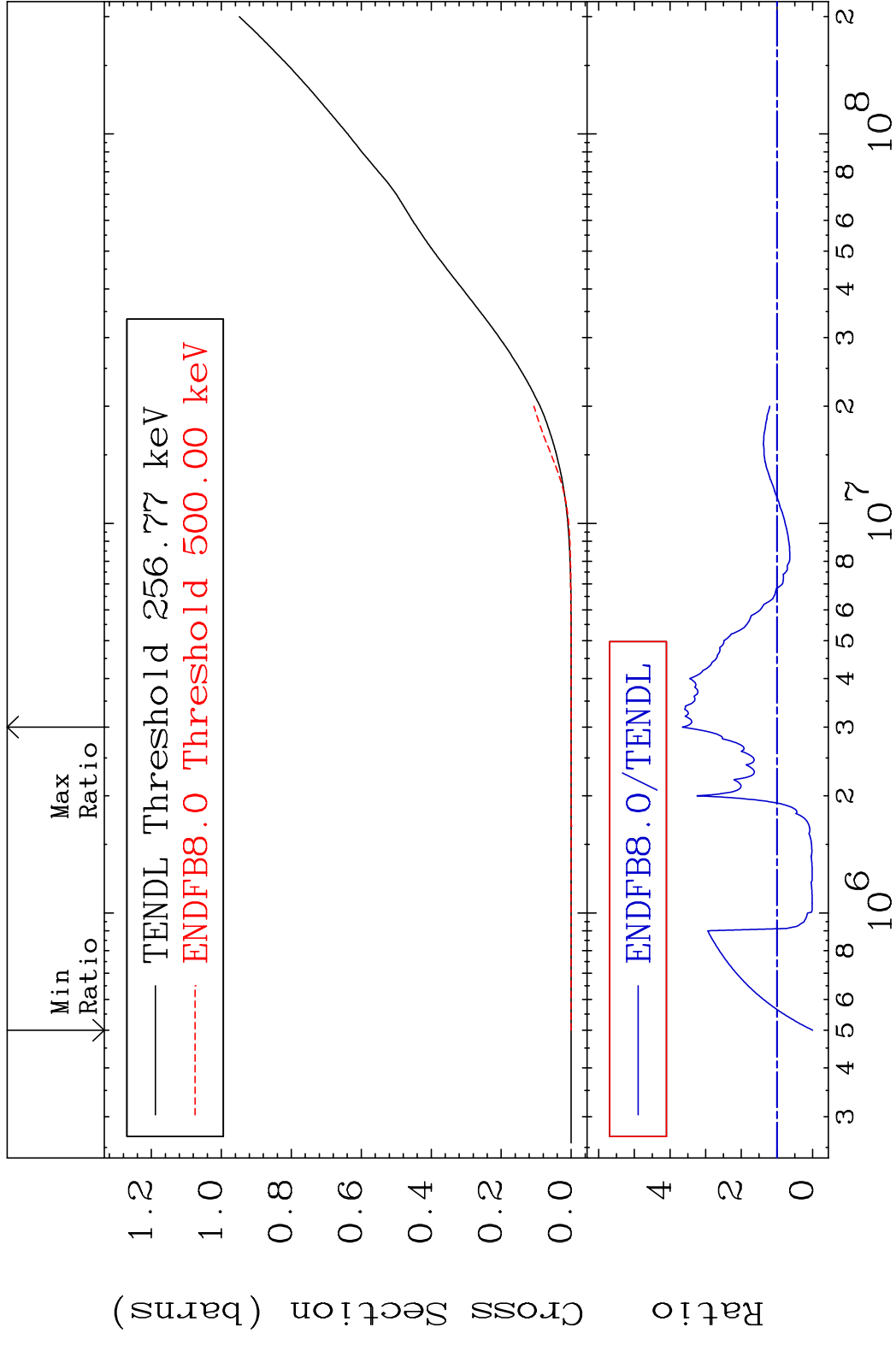
MAT 4840 (n, t) 48-Cd-111
 Cross Section -100.0 To 192.6 %



MAT 4840 (n,α) 48-Cd-111
 Cross Section -100.0 To 1908. %



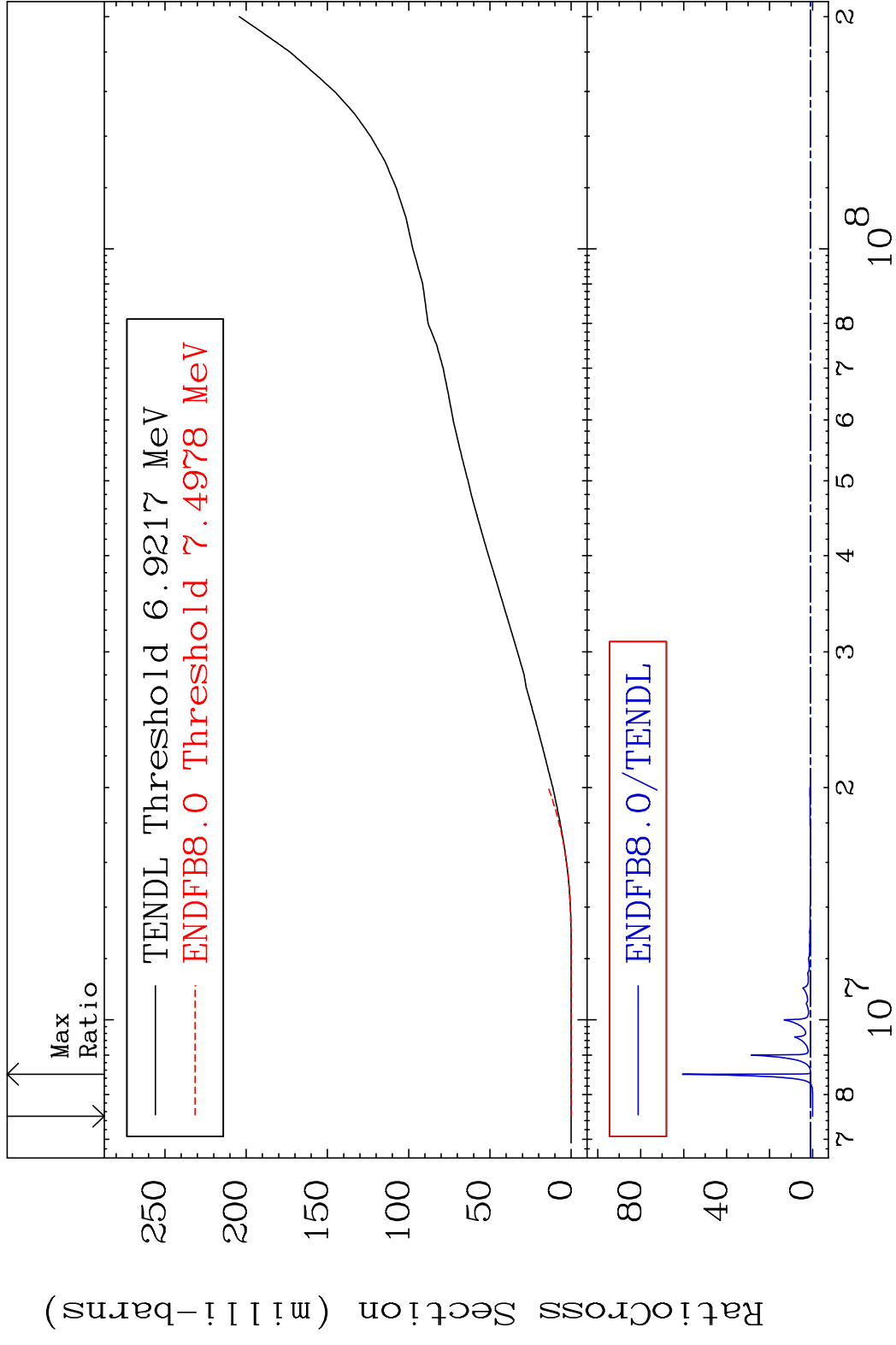
MAT 4840 Hydrogen Production 48-Cd-111
 Cross Section -100.0 To 265.3 %



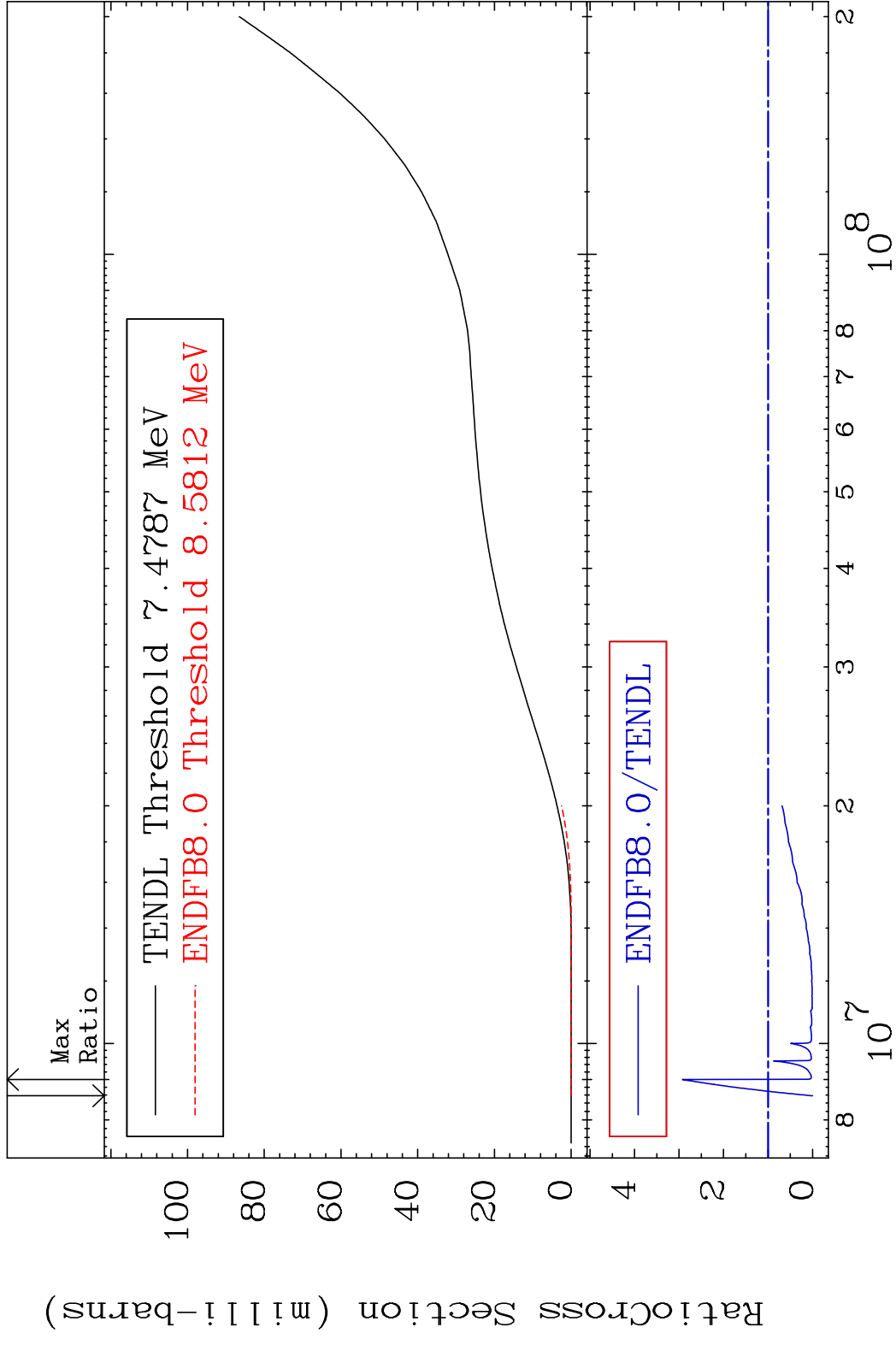
MAT 4840

Deuterium Production 48-Cd-111

Cross Section -100.0 To 5962. %



MAT 4840 Tritium Production 48-Cd-111
 Cross Section -100.0 To 192.6 %

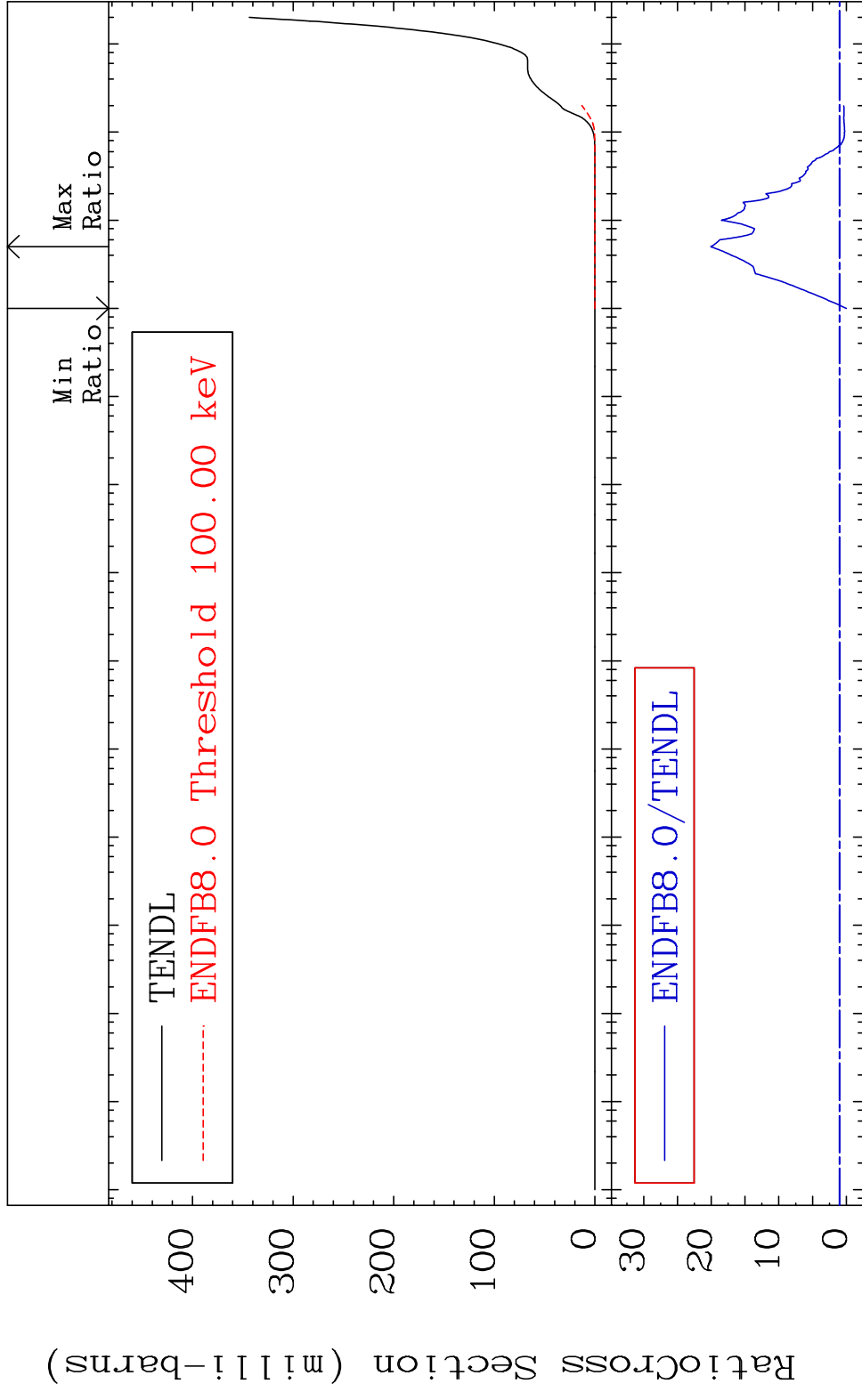


MAT 4840

He-4 Production

48-Cd-111

Cross Section -100.0 To 1908. %

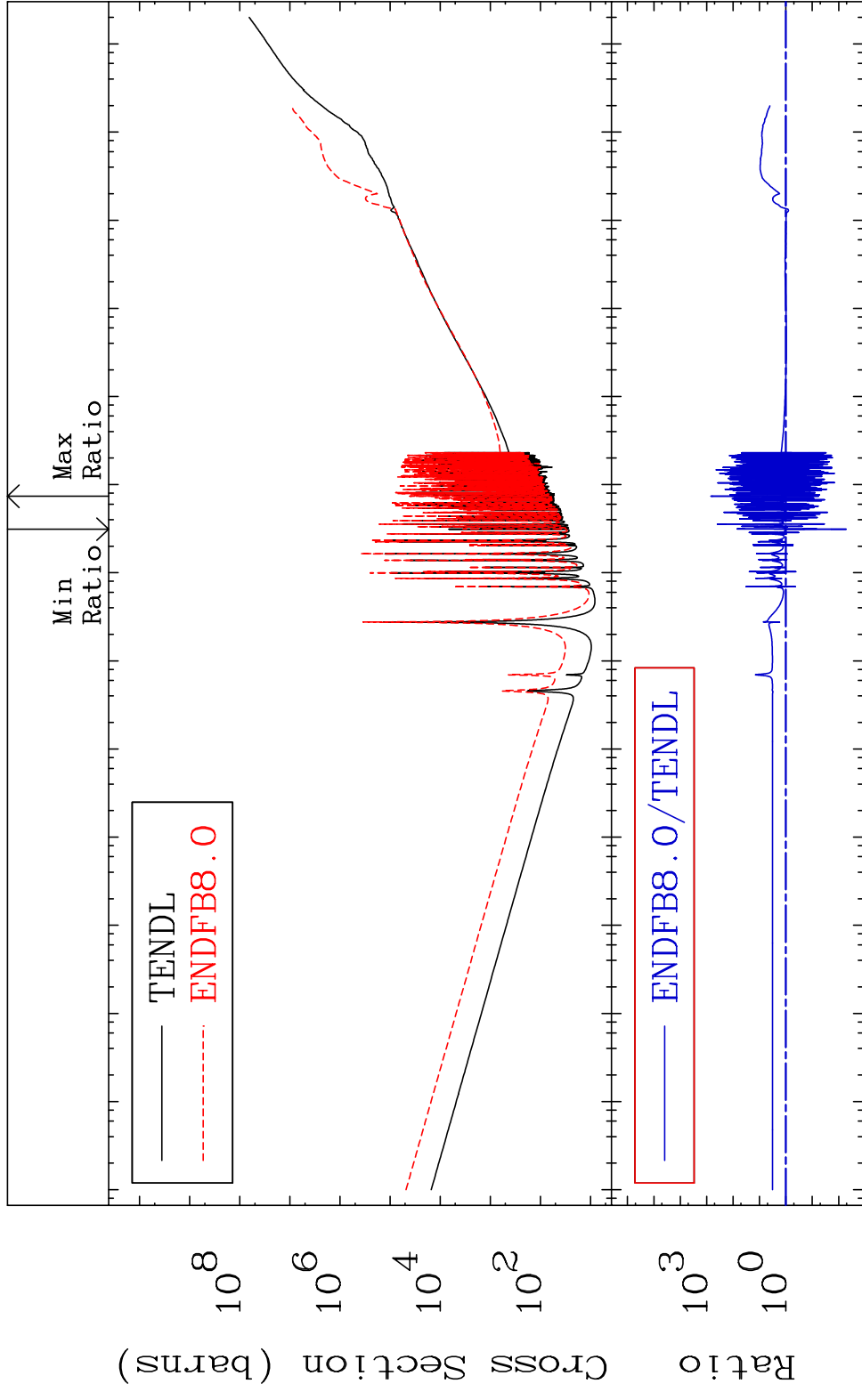


29

Incident Energy (eV)

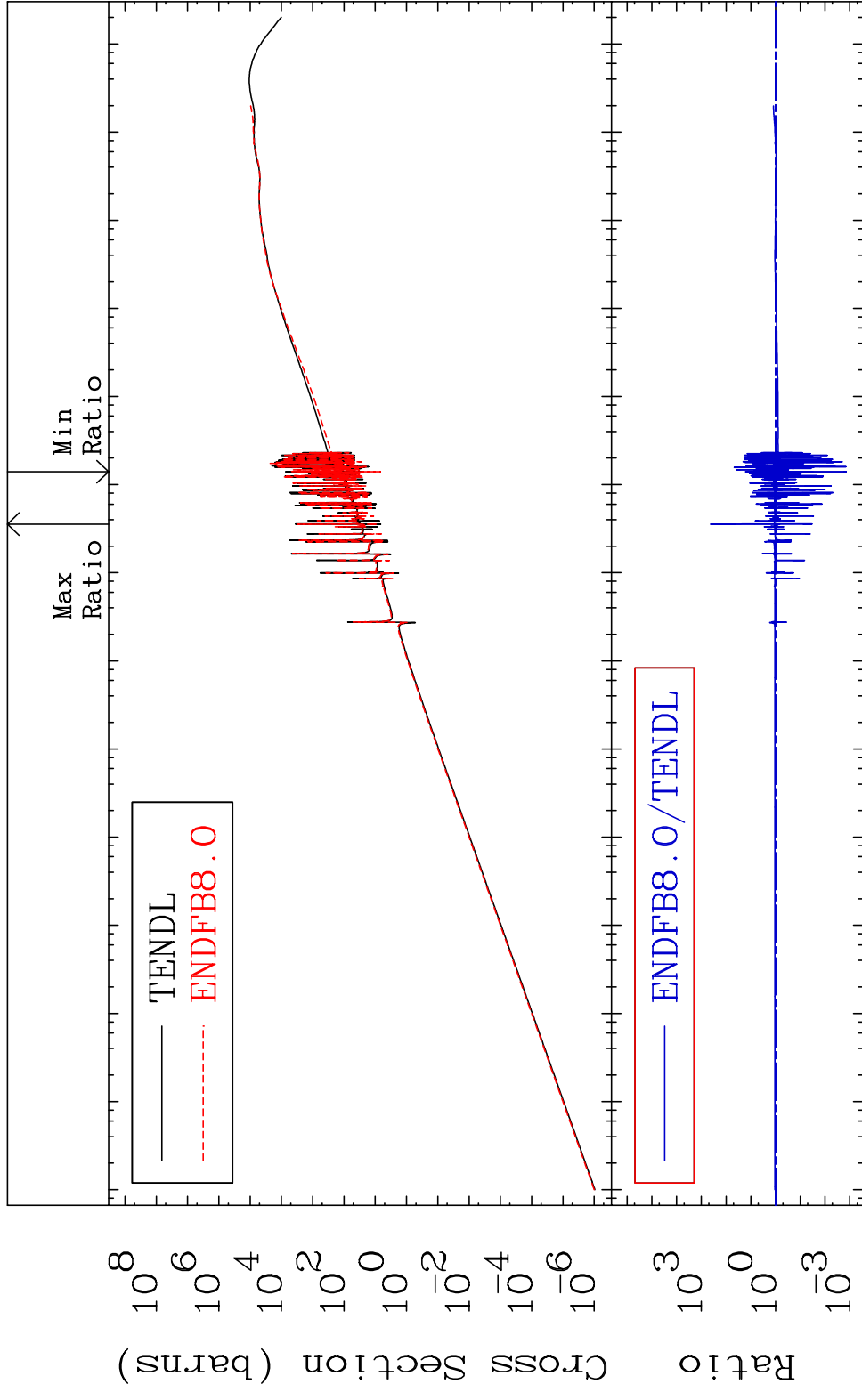
48-Cd-111

MAT 4840 Kerma total (eV-barns) 48-Cd-111
 Cross Section -99.49 To 9999. %

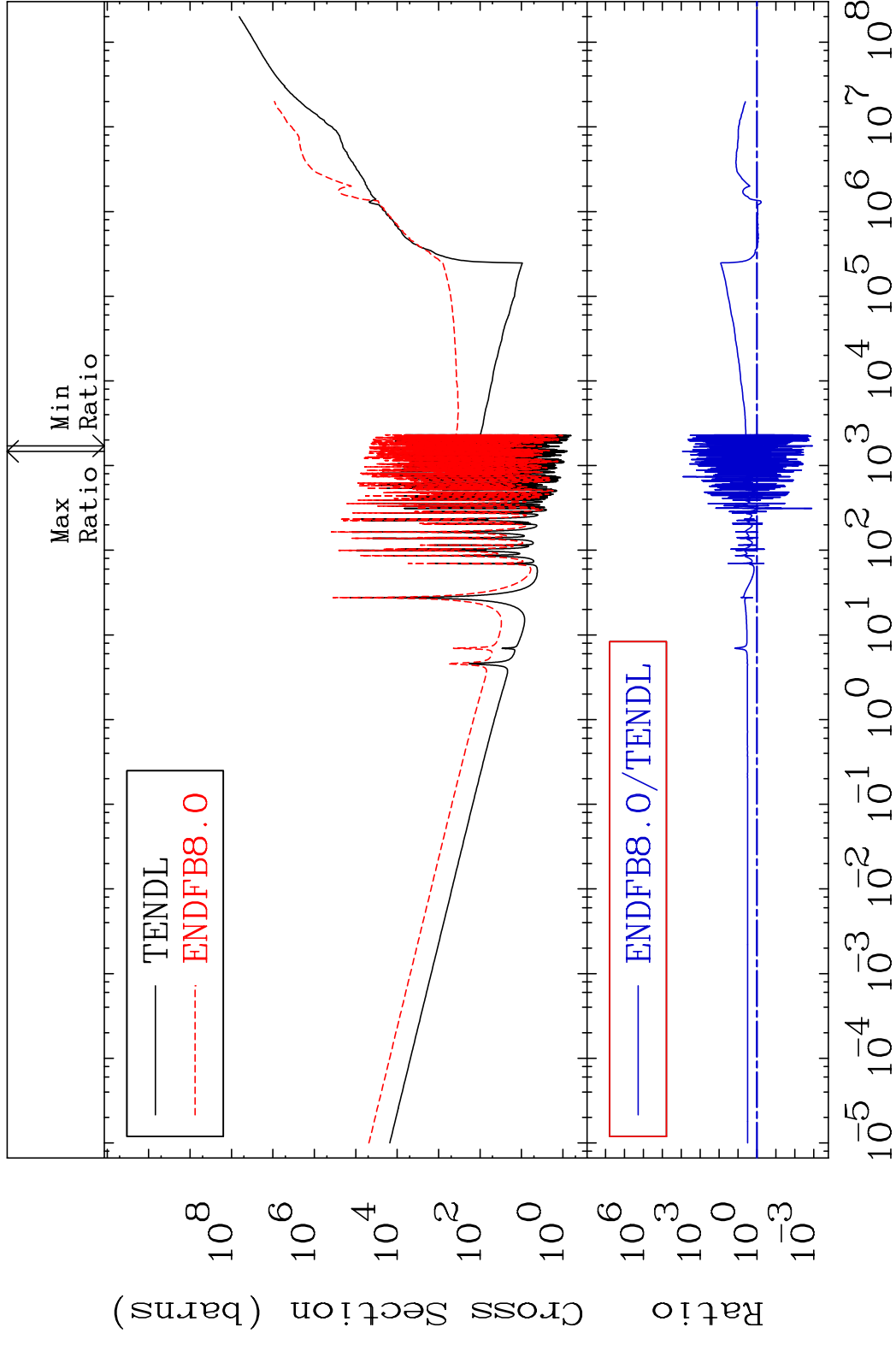


30 Incident Energy (eV) 48-Cd-111

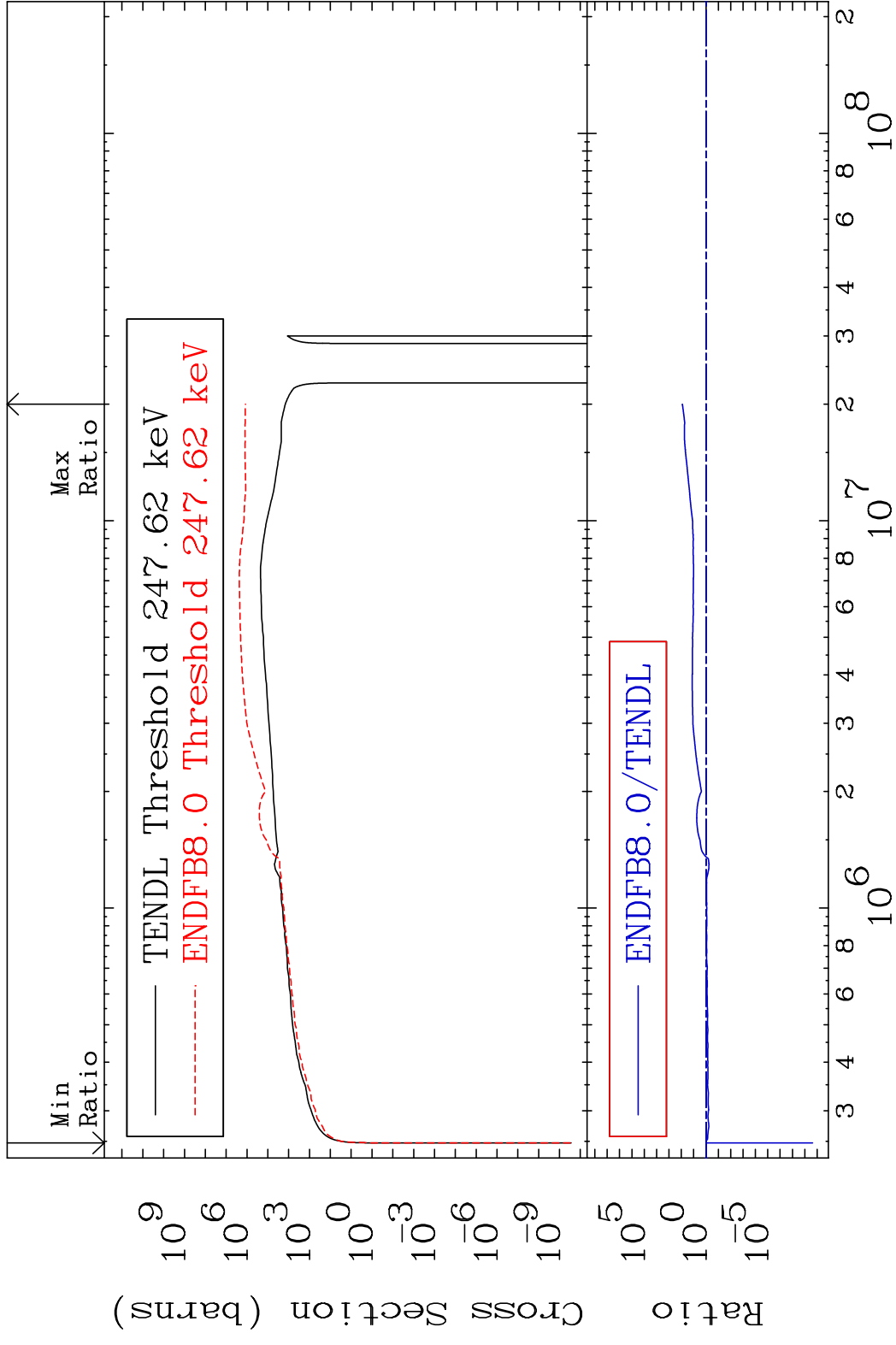
MAT 4840 Kerma elastic 48-Cd-111
 Cross Section -99.86 To 9999. %



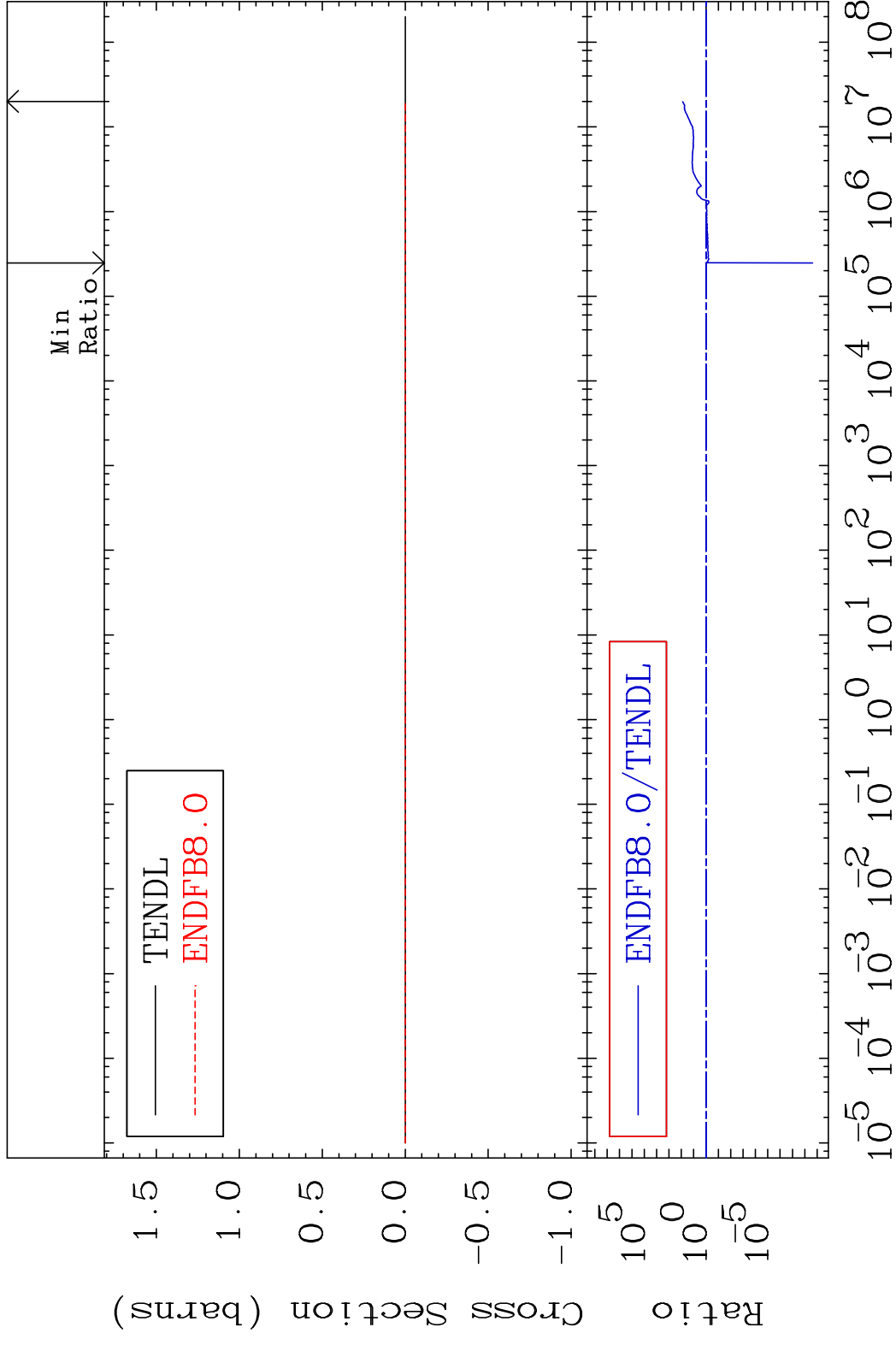
MAT 4840 Kerma non-elastic (all but mt2) 48-Cd-111
 Cross Section -99.88 To 9999. %



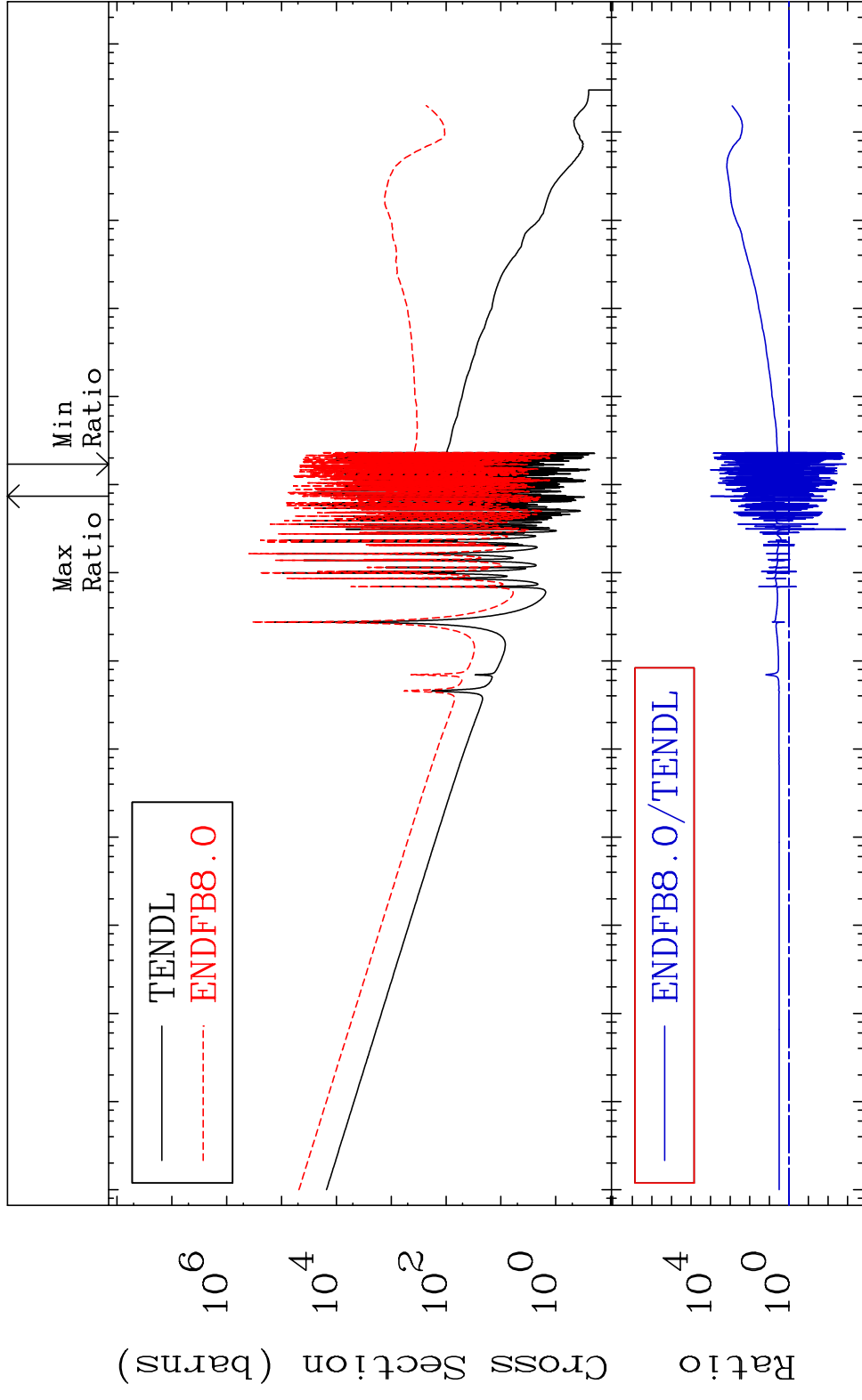
MAT 4840 Kerma inelastic (mt51-91) 48-Cd-111
 Cross Section -100.0 To 8108. %



MAT 4840 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-111
 Cross Section -100.0 To 8108. %

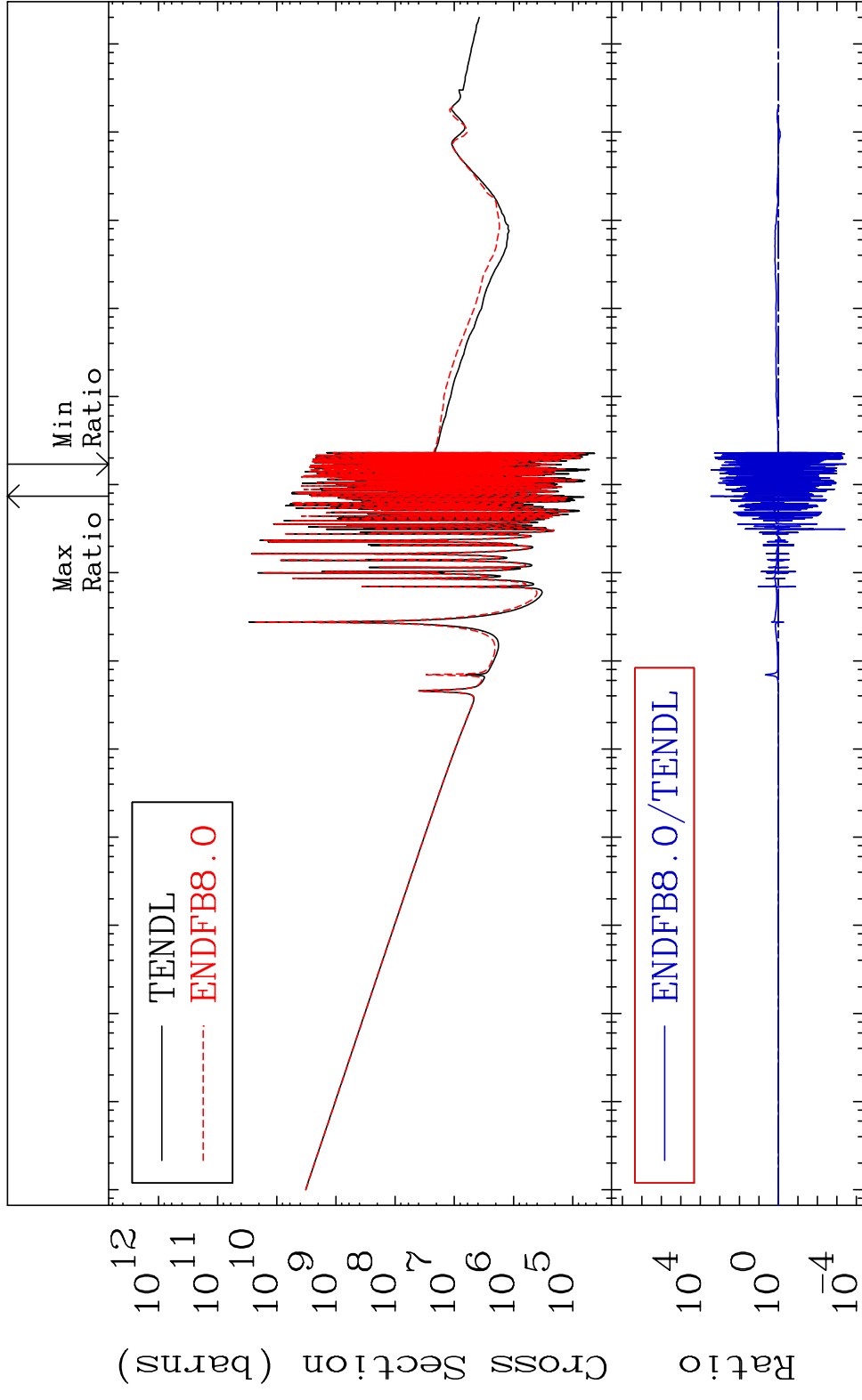


MAT 4840 Kerma capture (mt102) 48-Cd-111
 Cross Section -99.88 To 9999. %

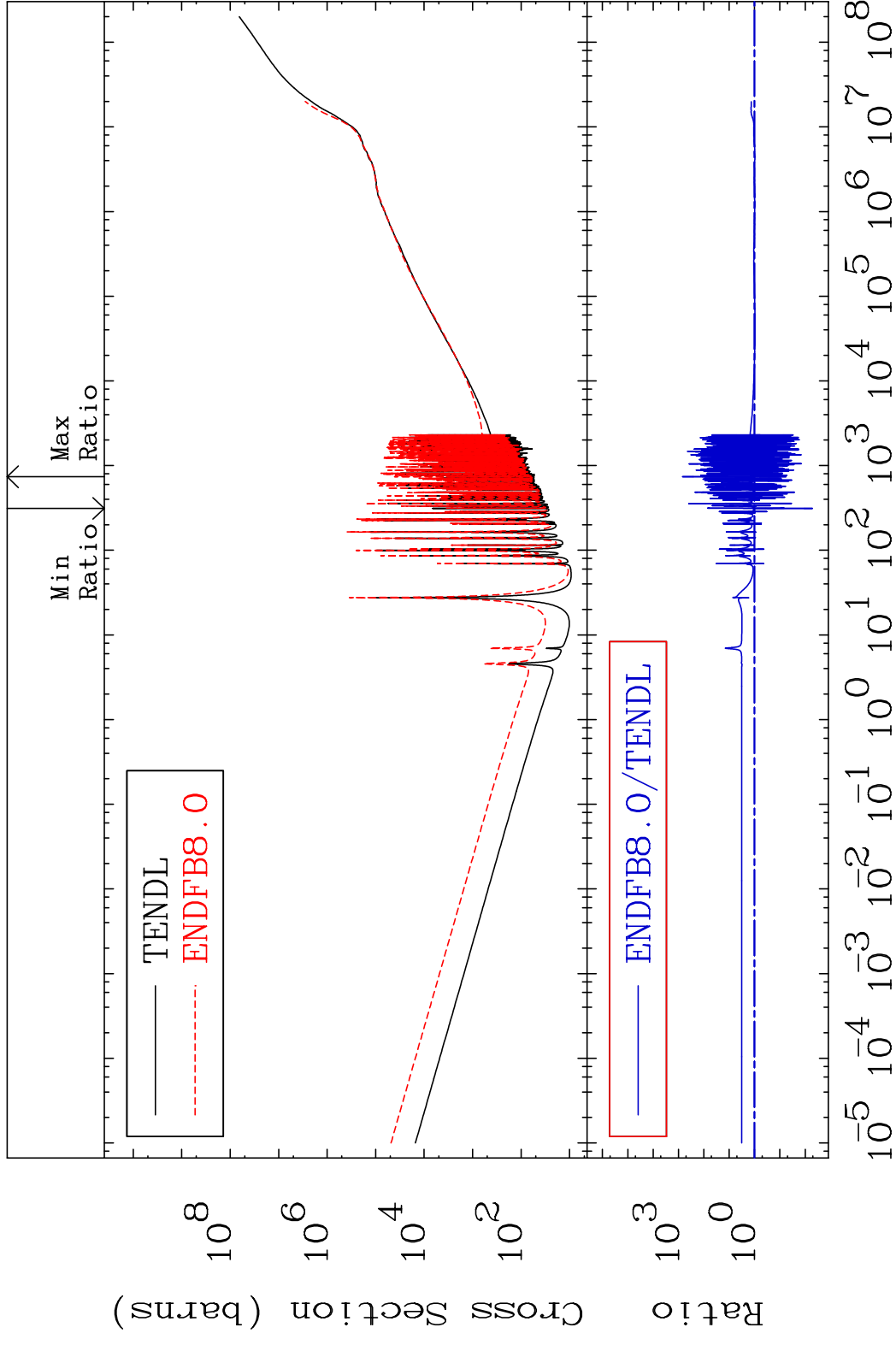


MAT 4840

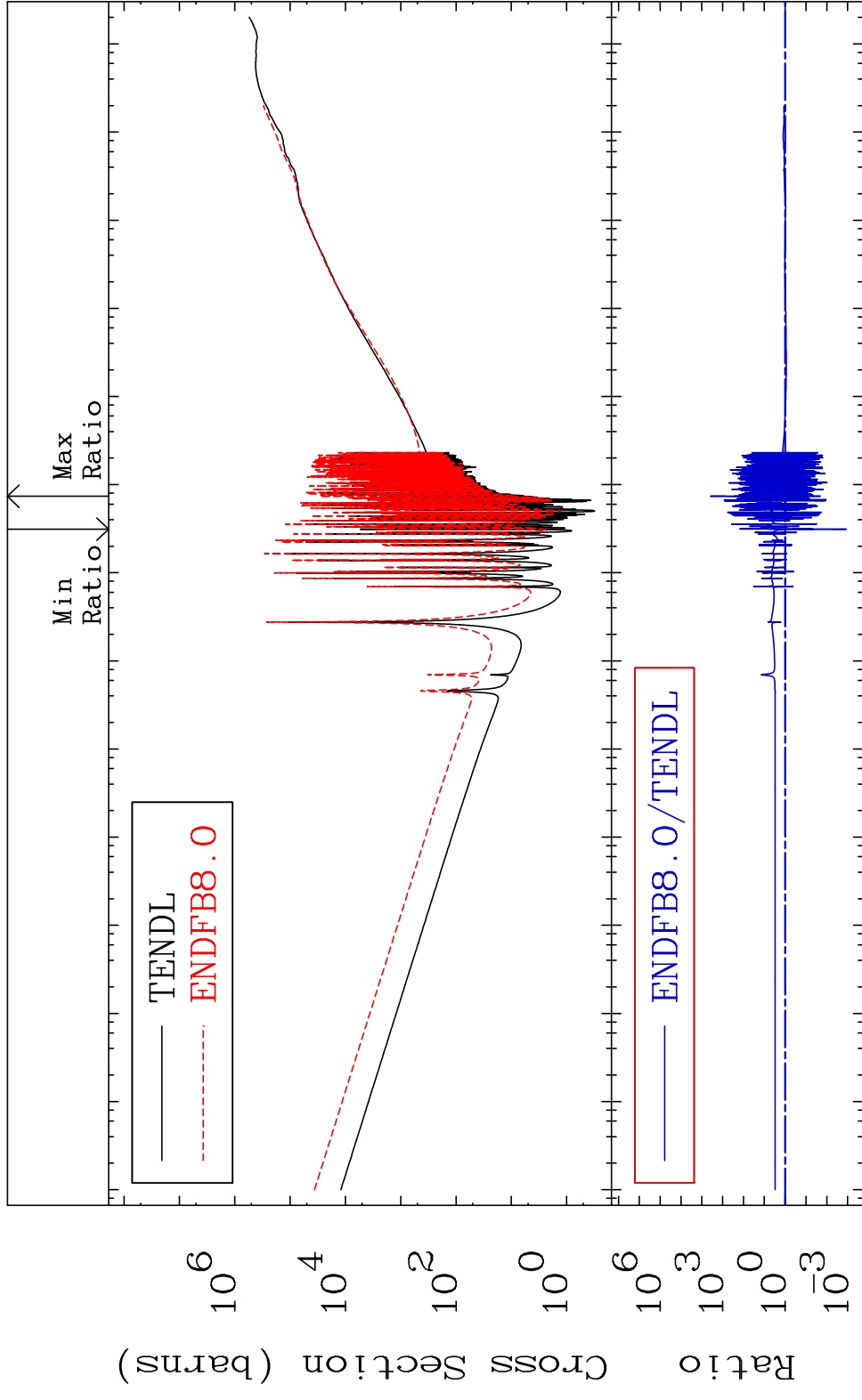
Total photon (eV-barns) 48-Cd-111
Cross Section -99.97 To 9999. %



MAT 4840 Total kinematic kerma (high limit) 48-Cd-111
 Cross Section -99.49 To 9999. %



MAT 4840 Dpa total (eV-barns) 48-Cd-111
 Cross Section -99.88 To 9999. %



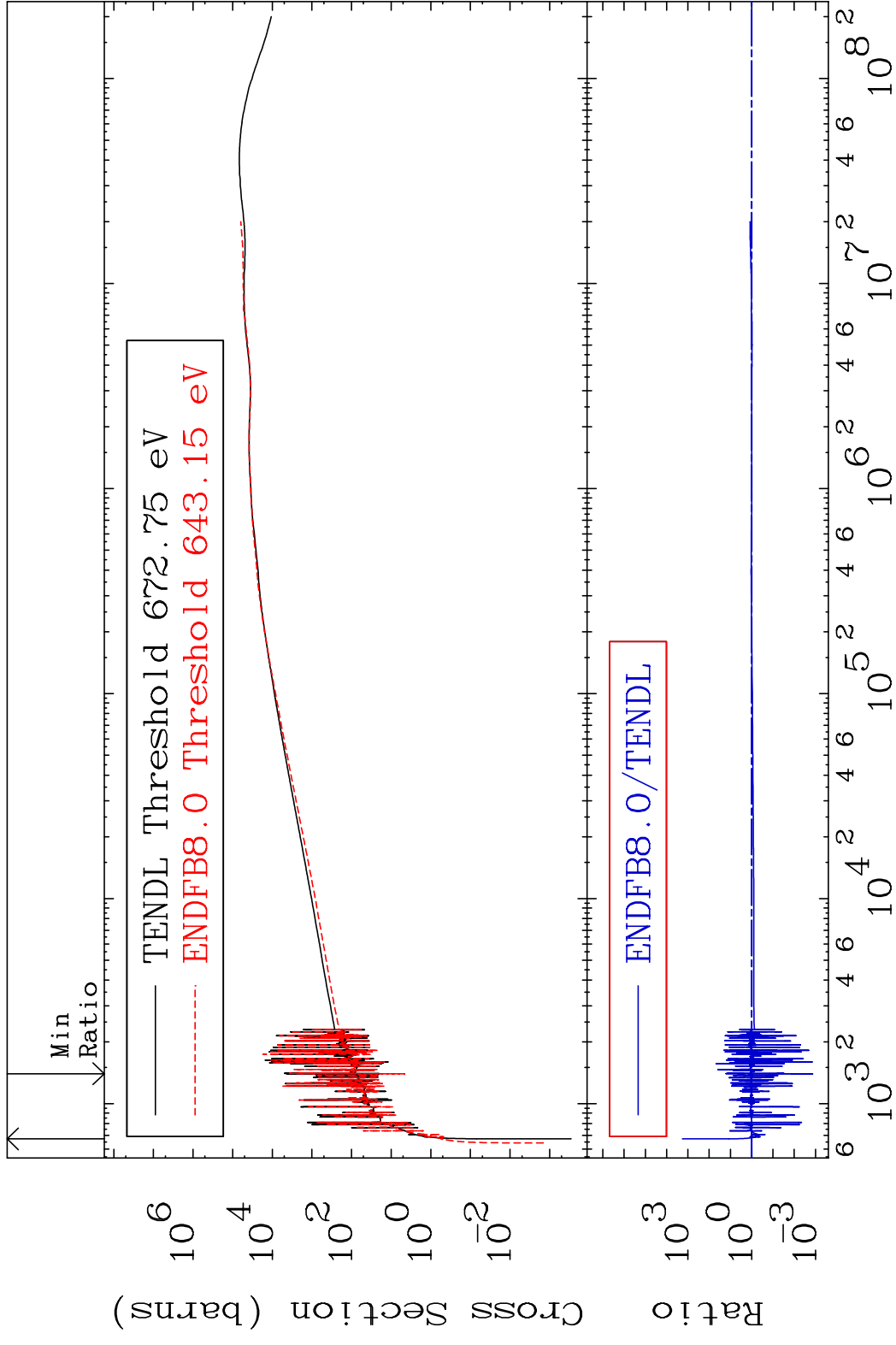
MAT 4840

Dpa elastic (mt2)

48-Cd-111

Cross Section

-99.86 To 9999. %

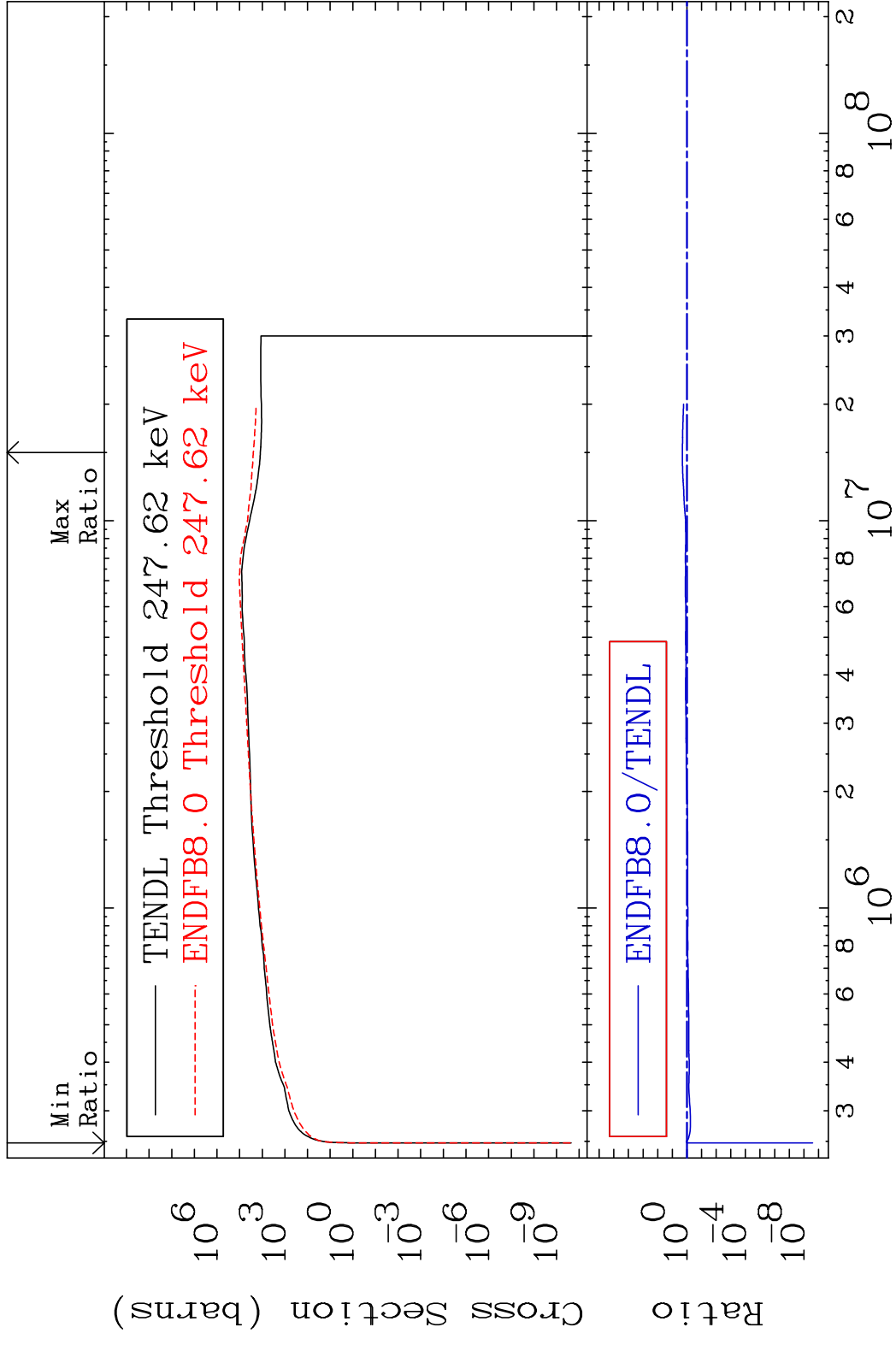


39

Incident Energy (eV)

48-Cd-111

MAT 4840 Dpa inelastic (mt51-91) 48-Cd-111
 Cross Section -100.0 To 105.4 %



40 Incident Energy (eV) 48-Cd-111

MAT 4840 Dpa disappearance (mt102 -120) 48-Cd-111
 Cross Section -99.90 To 9999. %

