

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

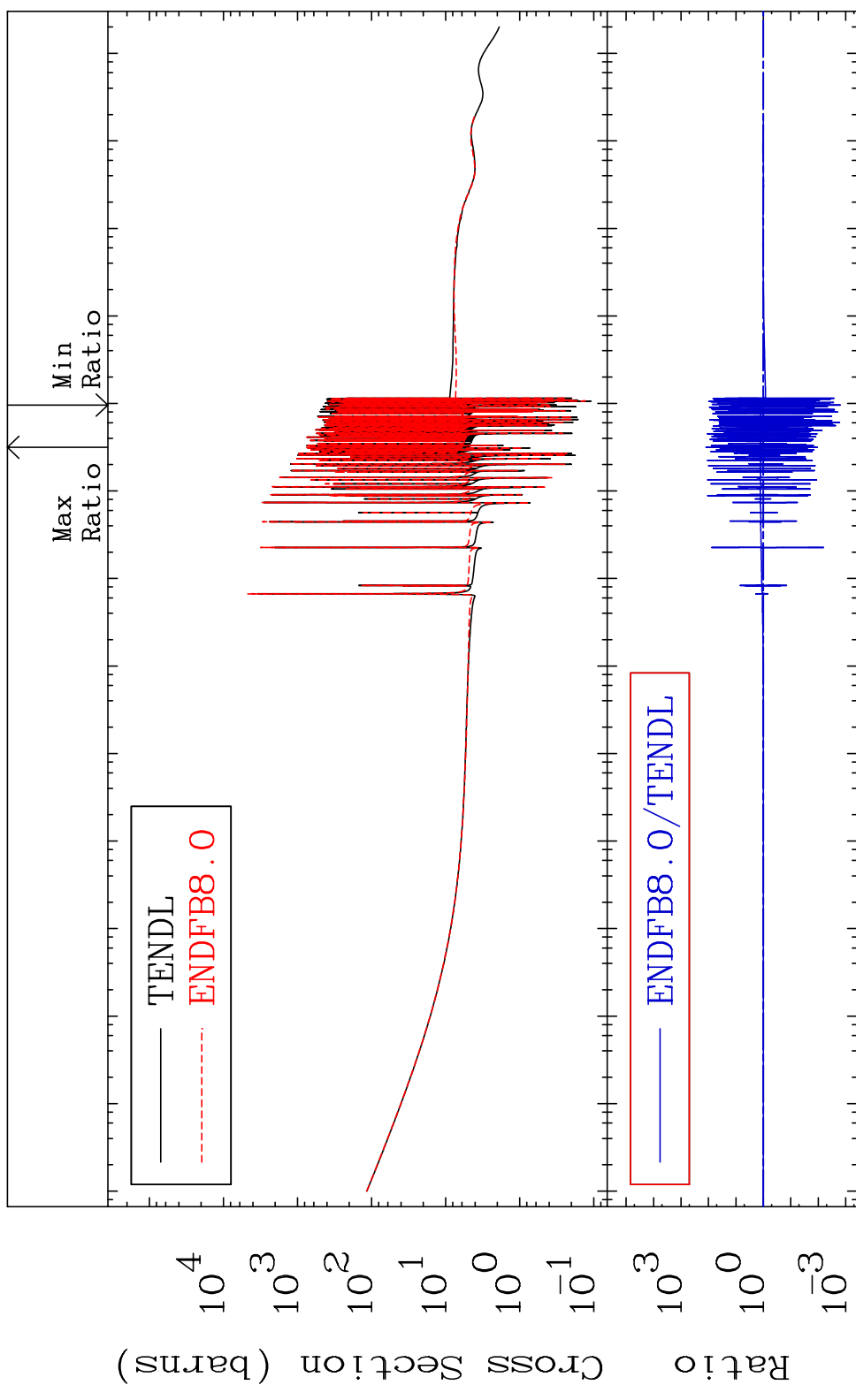
MAT 4843

Total

48-Cd-112

Cross Section

-99.84 To 9999. %



1

Incident Energy (eV)

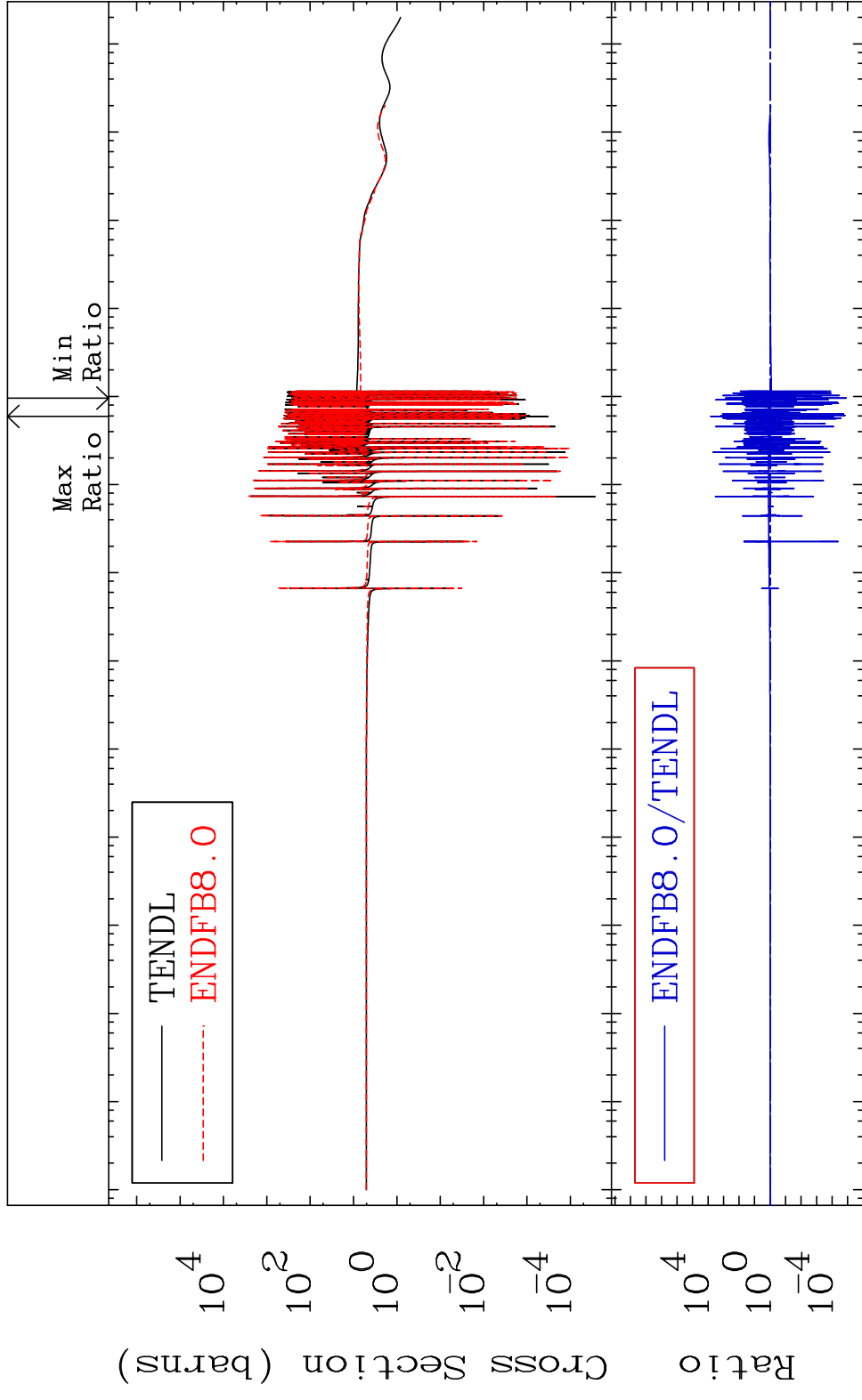
48-Cd-112

MAT 4843

Elastic

48-Cd-112

Cross Section -100.0 To 9999. %



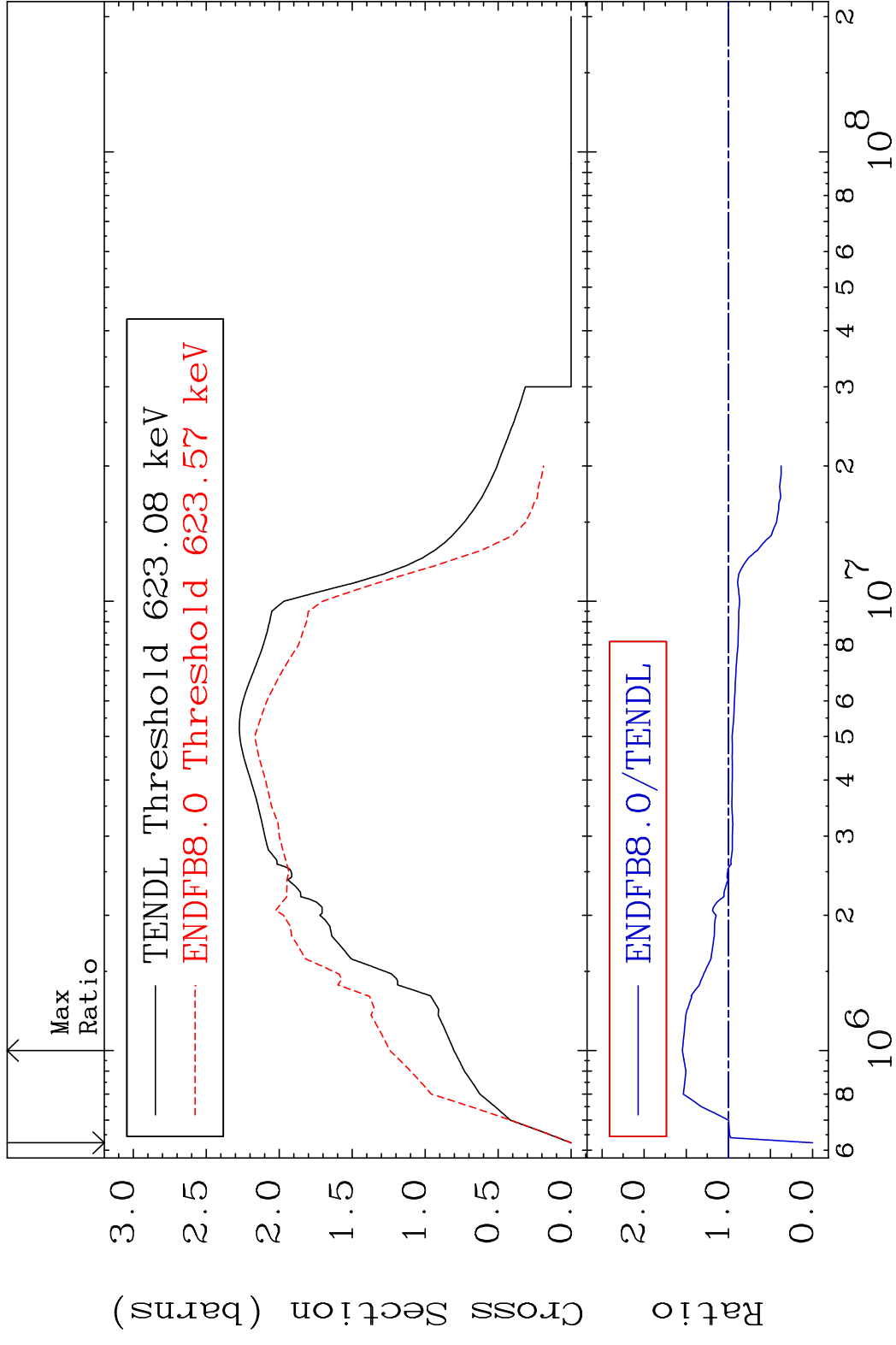
Ratio

2

Incident Energy (eV)

48-Cd-112

MAT 4843 Inelastic 48-Cd-112
 Cross Section -100.0 To 54.61 %



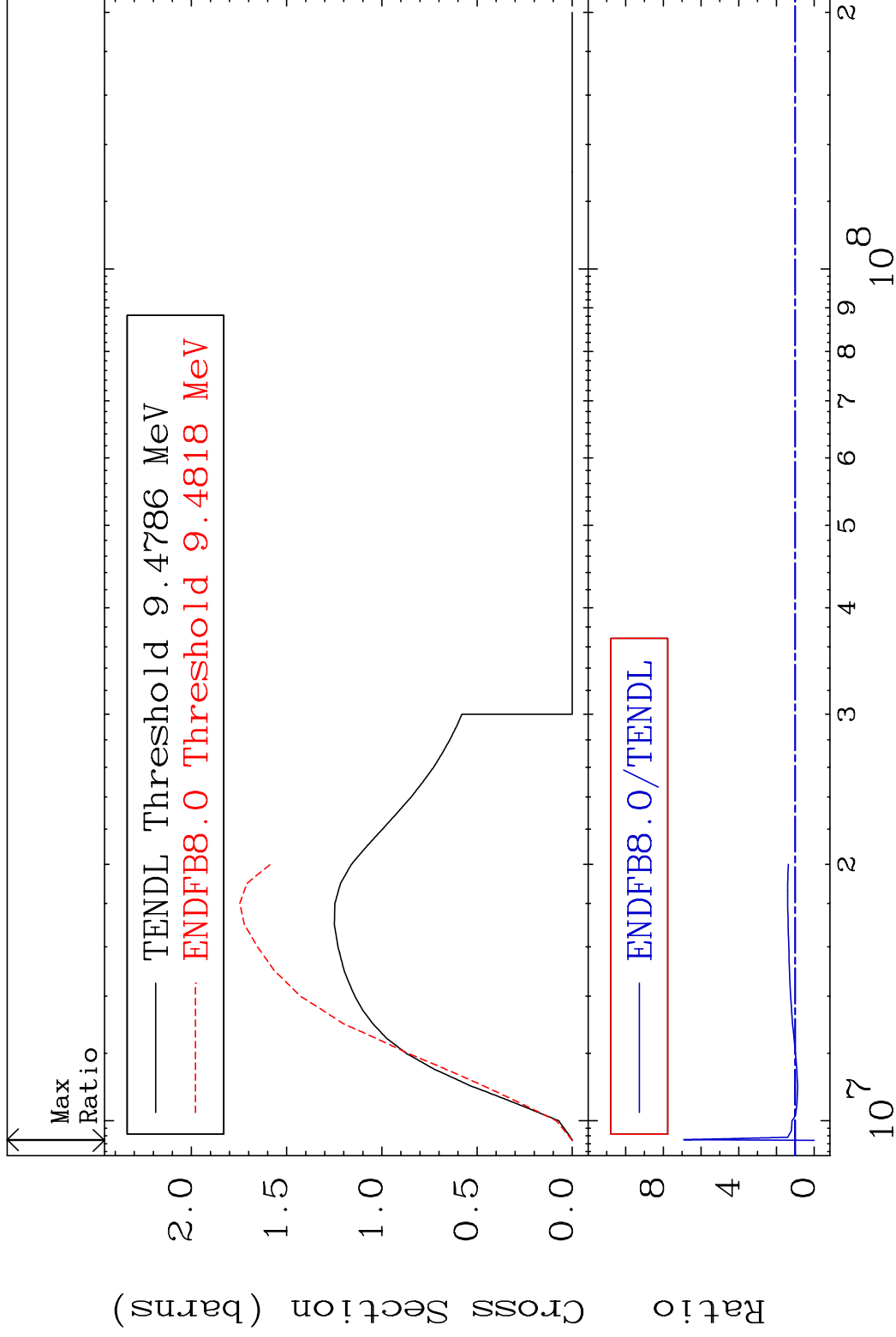
3 Incident Energy (eV) 48-Cd-112

MAT 4843

(n,2n)

48-Cd-112

Cross Section -100.0 To 592.0 %



4

Incident Energy (eV)

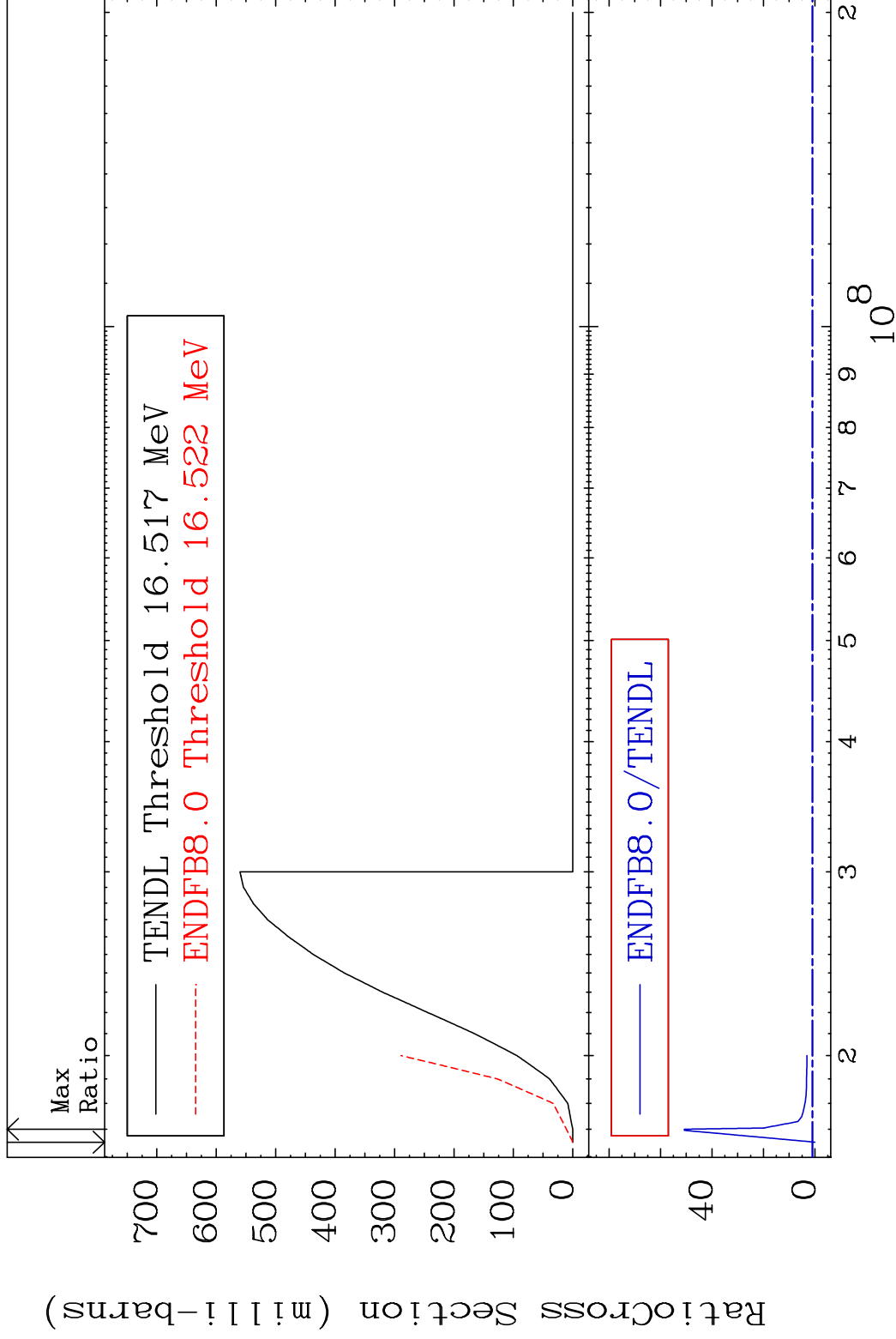
48-Cd-112

MAT 4843

(n,3n)

48-Cd-112

Cross Section -100.0 To 4975. %

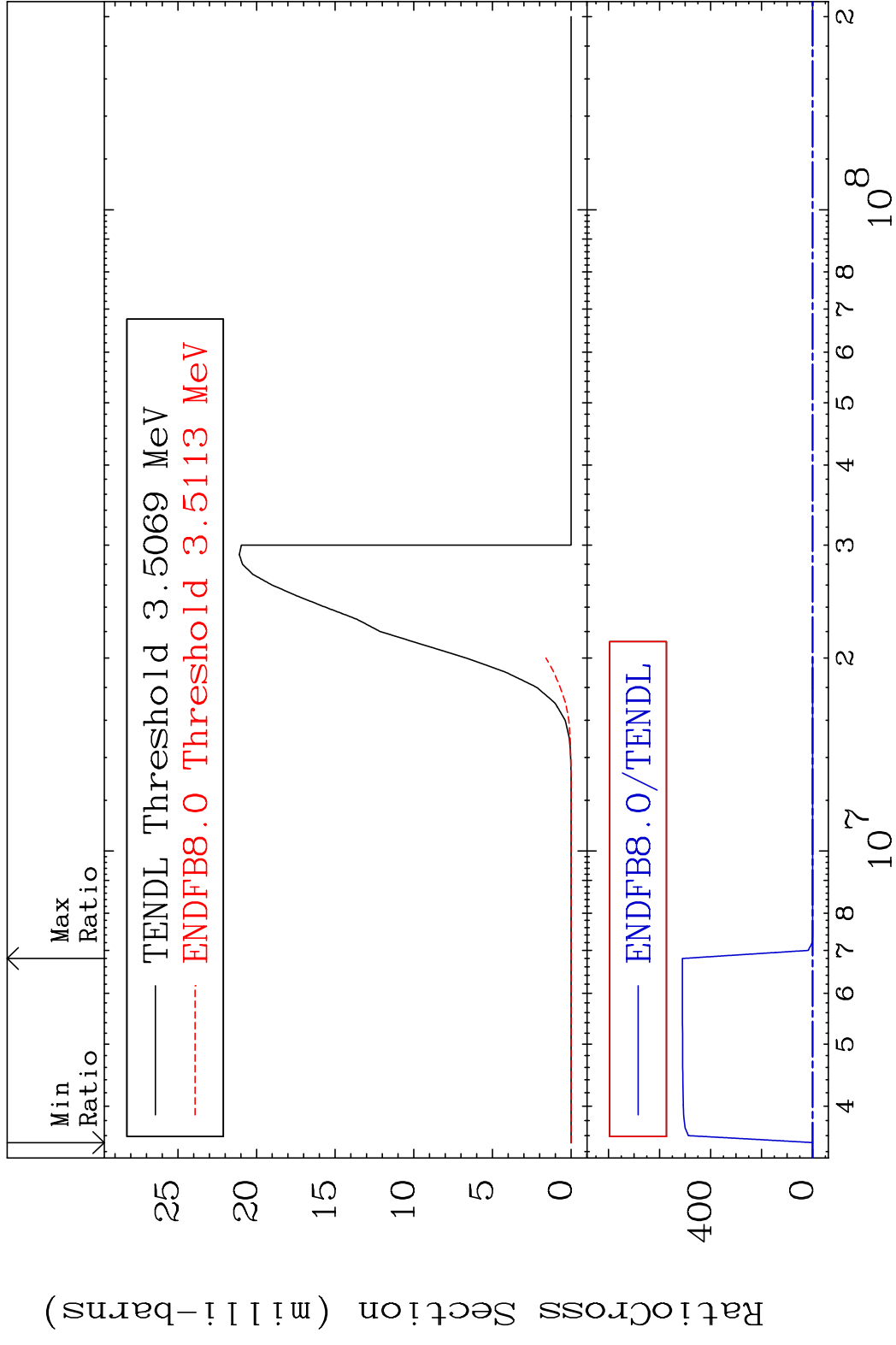


5

Incident Energy (eV)

48-Cd-112

MAT 4843 (n, n') α 48-Cd-112
 Cross Section -100.0 To 9999. %

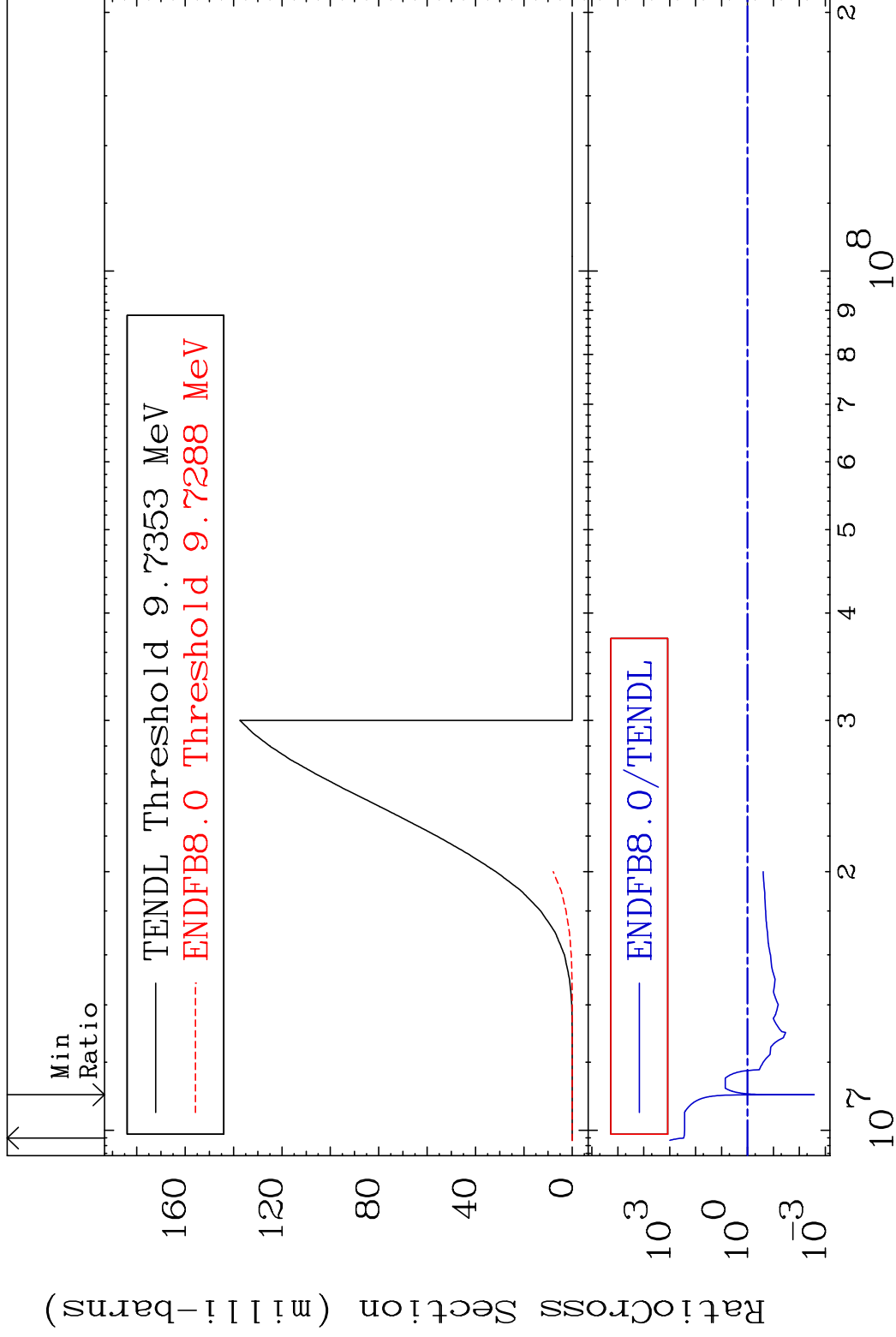


MAT 4843

(n, n') p

48-Cd-112

Cross Section -99.73 To 9999. %



7

Incident Energy (eV)

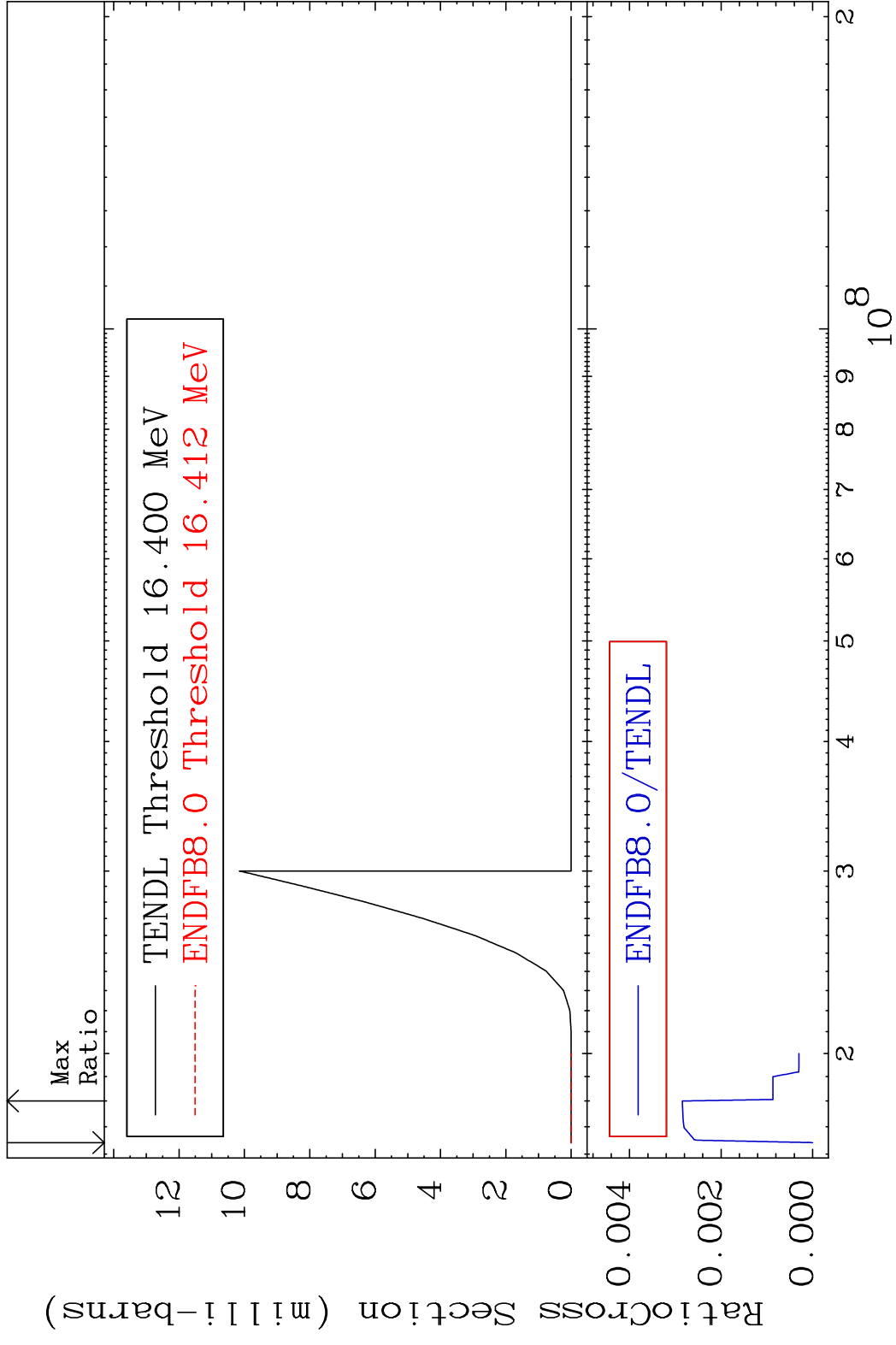
48-Cd-112

MAT 4843

(n, n') d

48-Cd-112

Cross Section -100.0 To -99.72%



8

Incident Energy (eV)

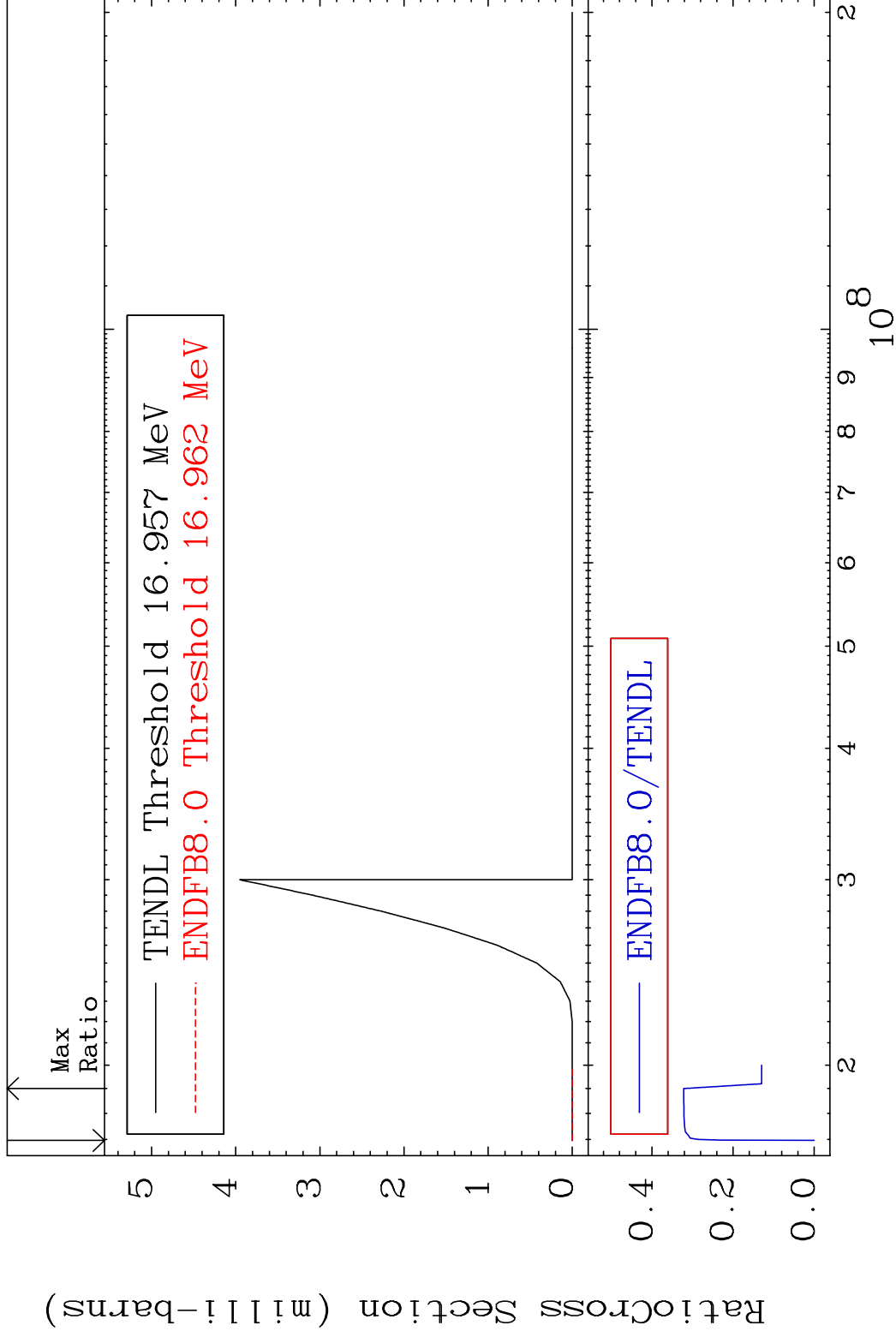
48-Cd-112

MAT 4843

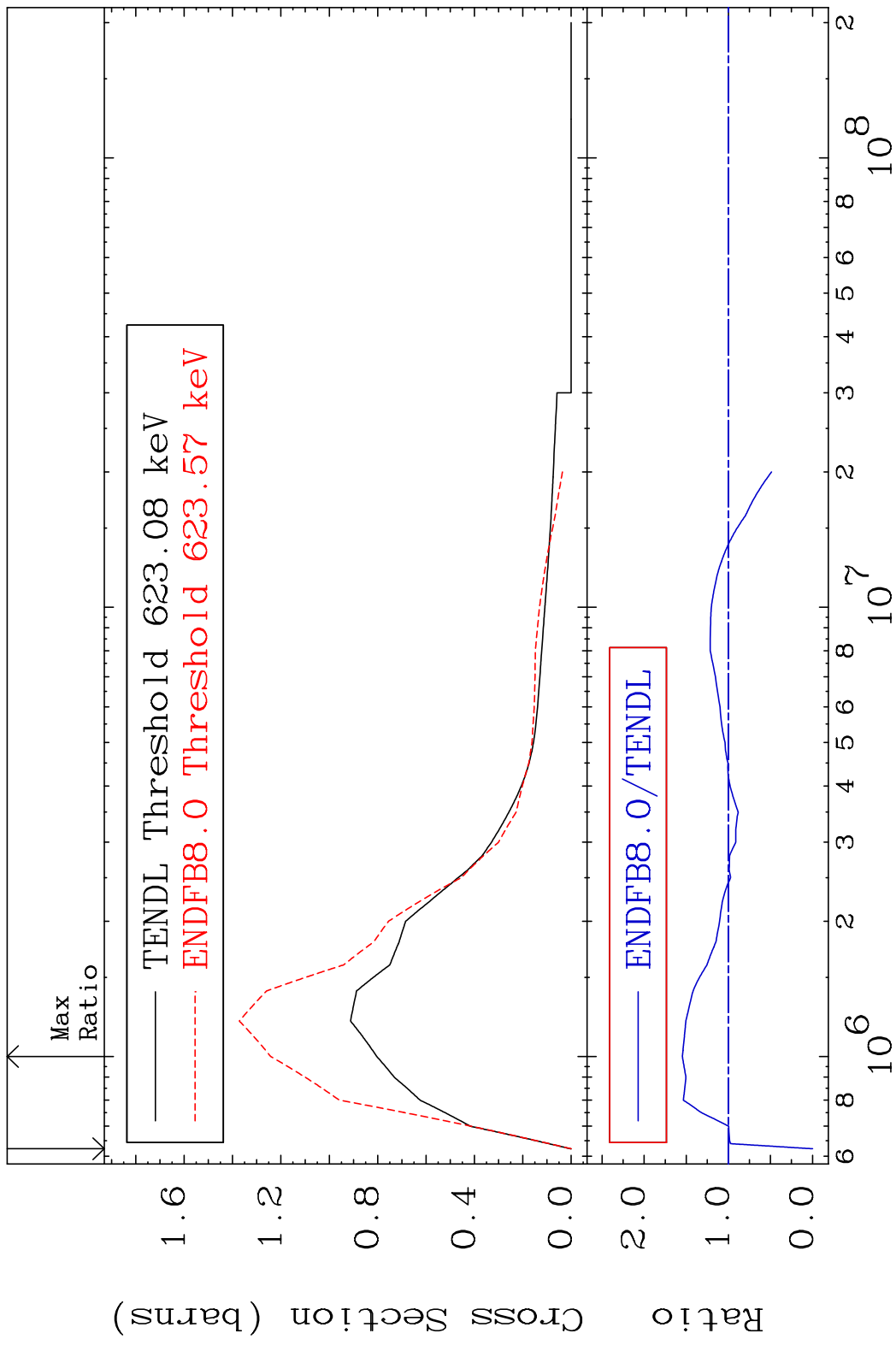
(n, n') t

48-Cd-112

Cross Section -100.0 To -67.81%

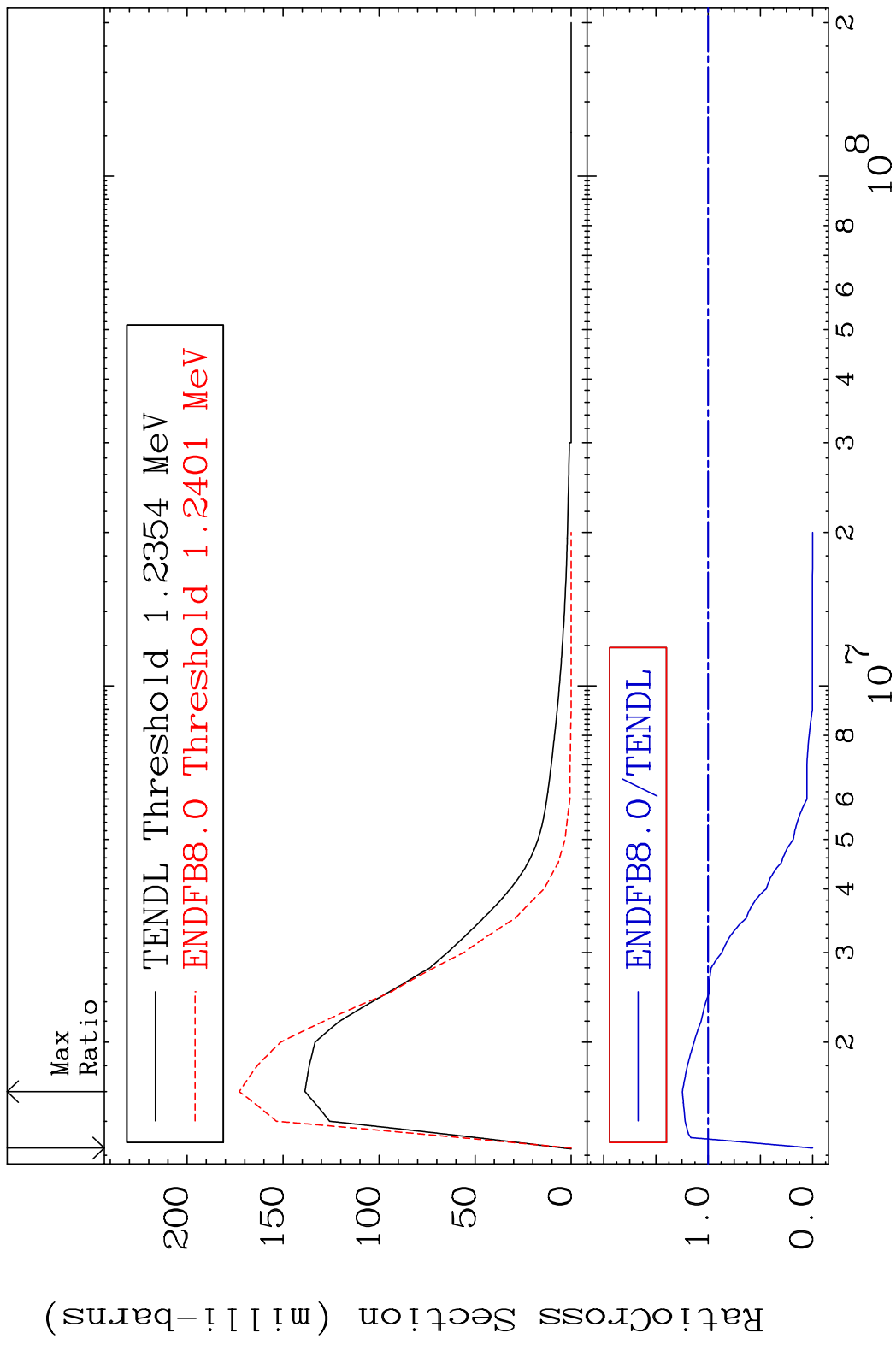


MAT 4843 MT= 51 (n,n') Level 48-Cd-112
 Cross Section -100.0 To 54.61 %

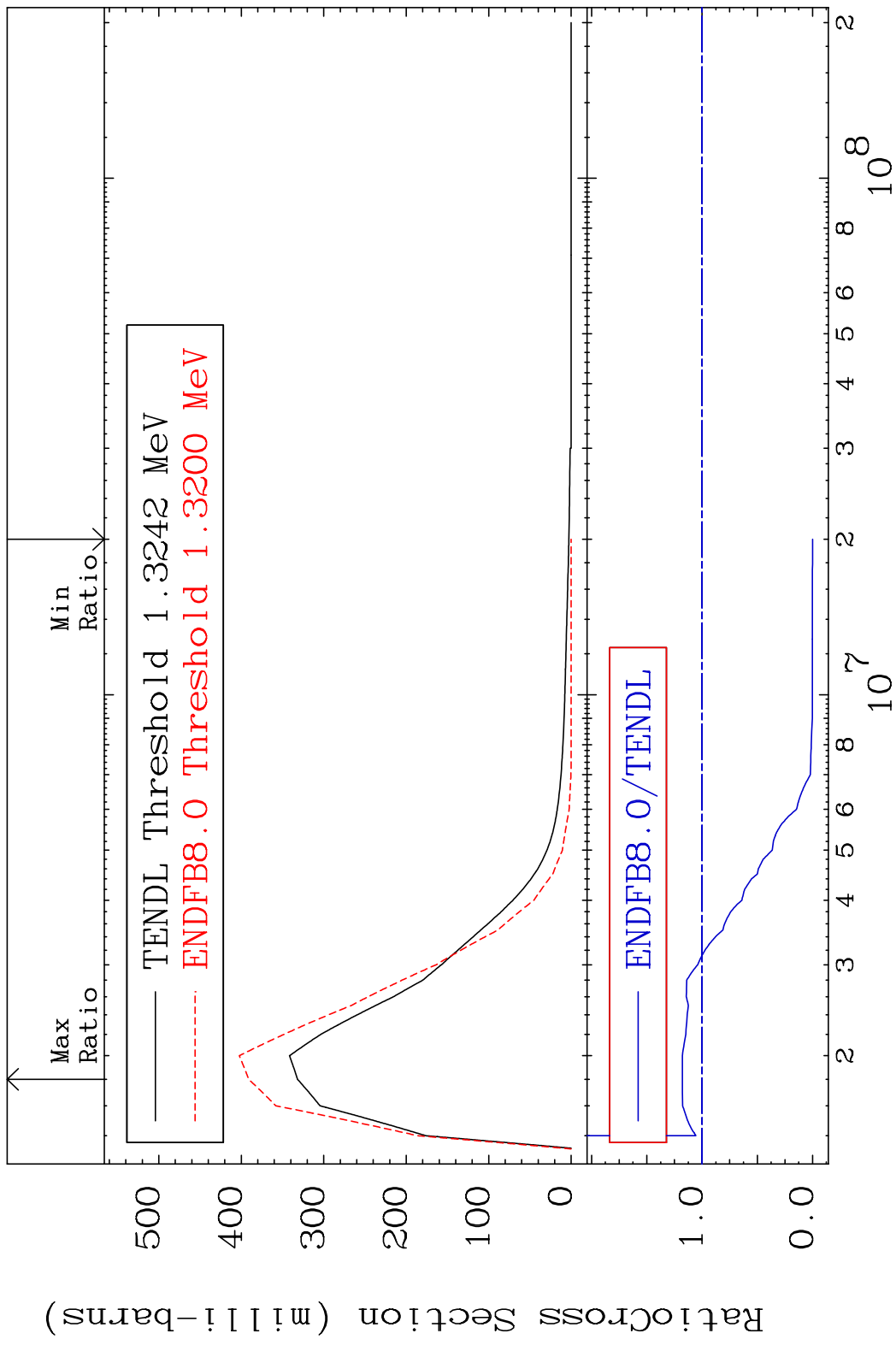


10 Incident Energy (eV) 48-Cd-112

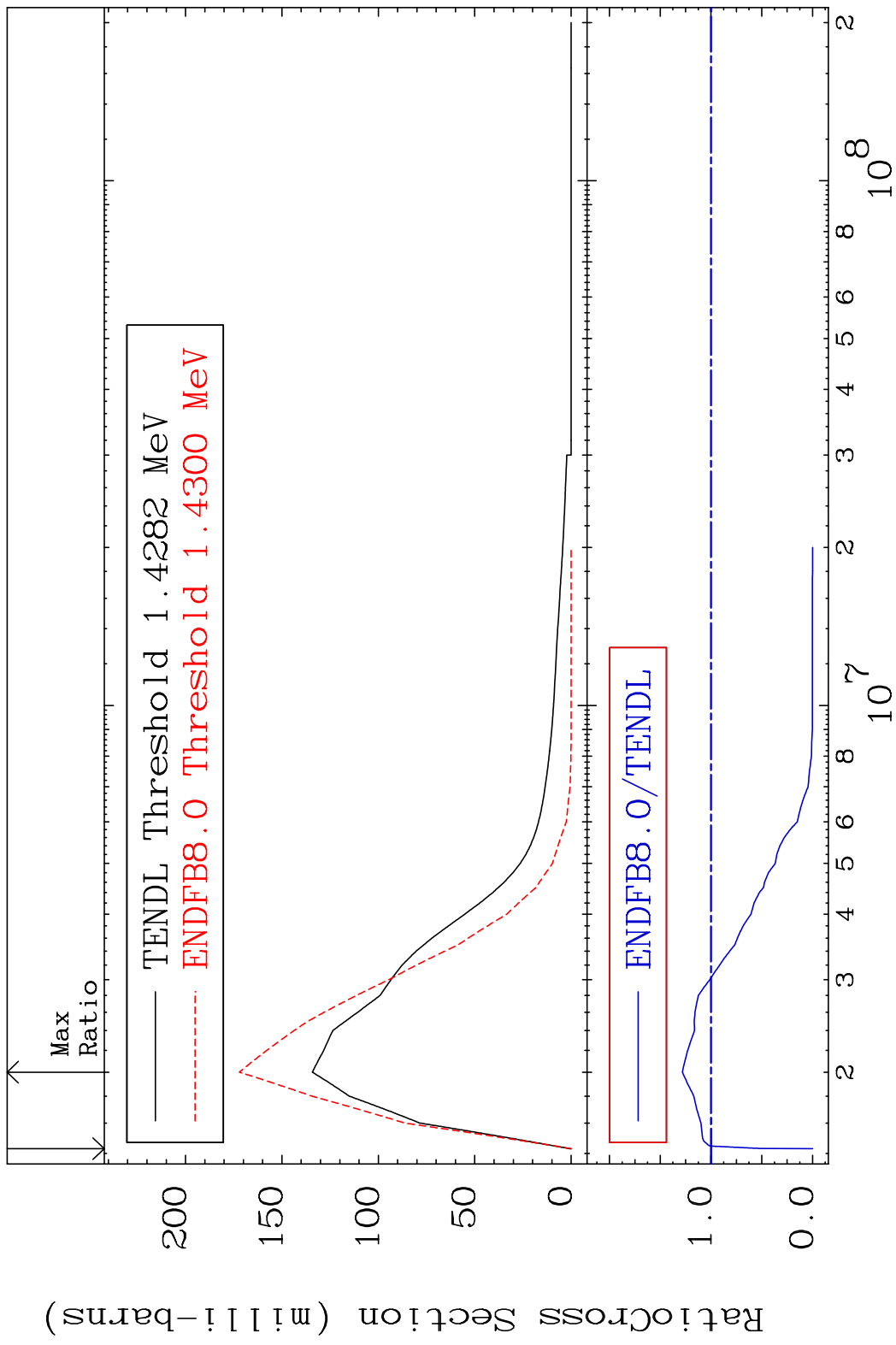
MAT 4843 MT= 52 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 24.63 %



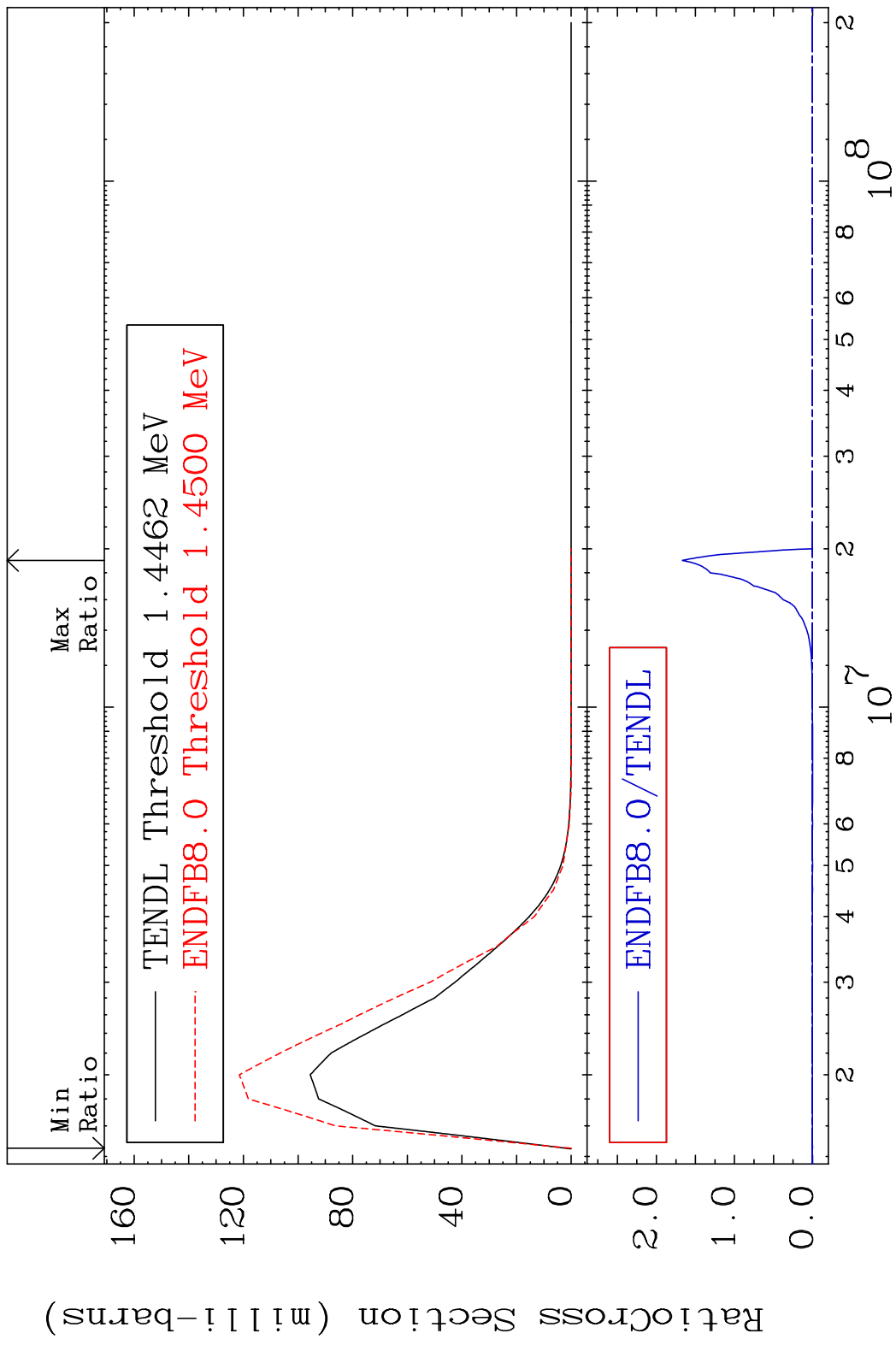
MAT 4843 MT= 53 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 17.84 %



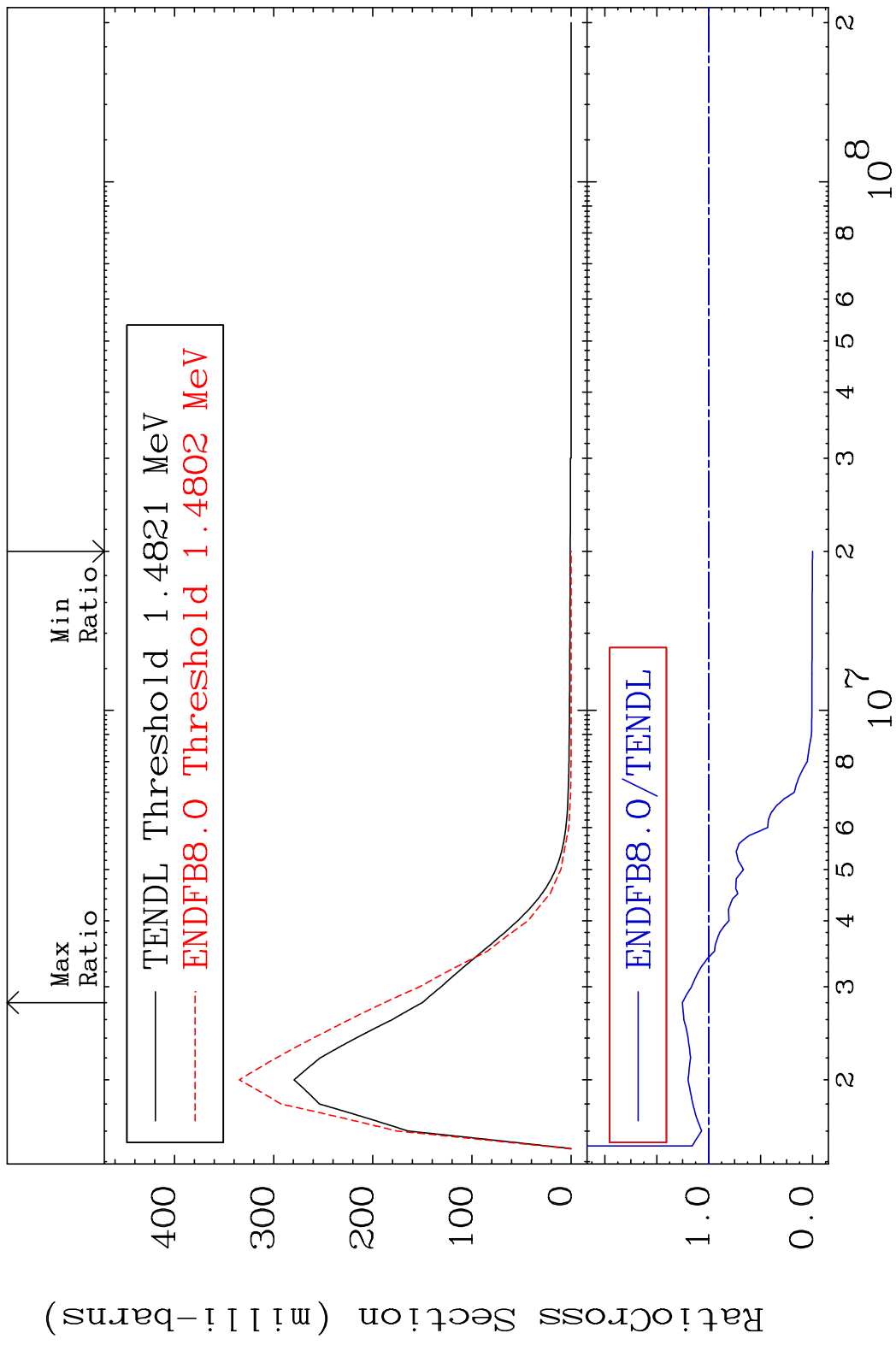
MAT 4843 MT= 54 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 28.21 %



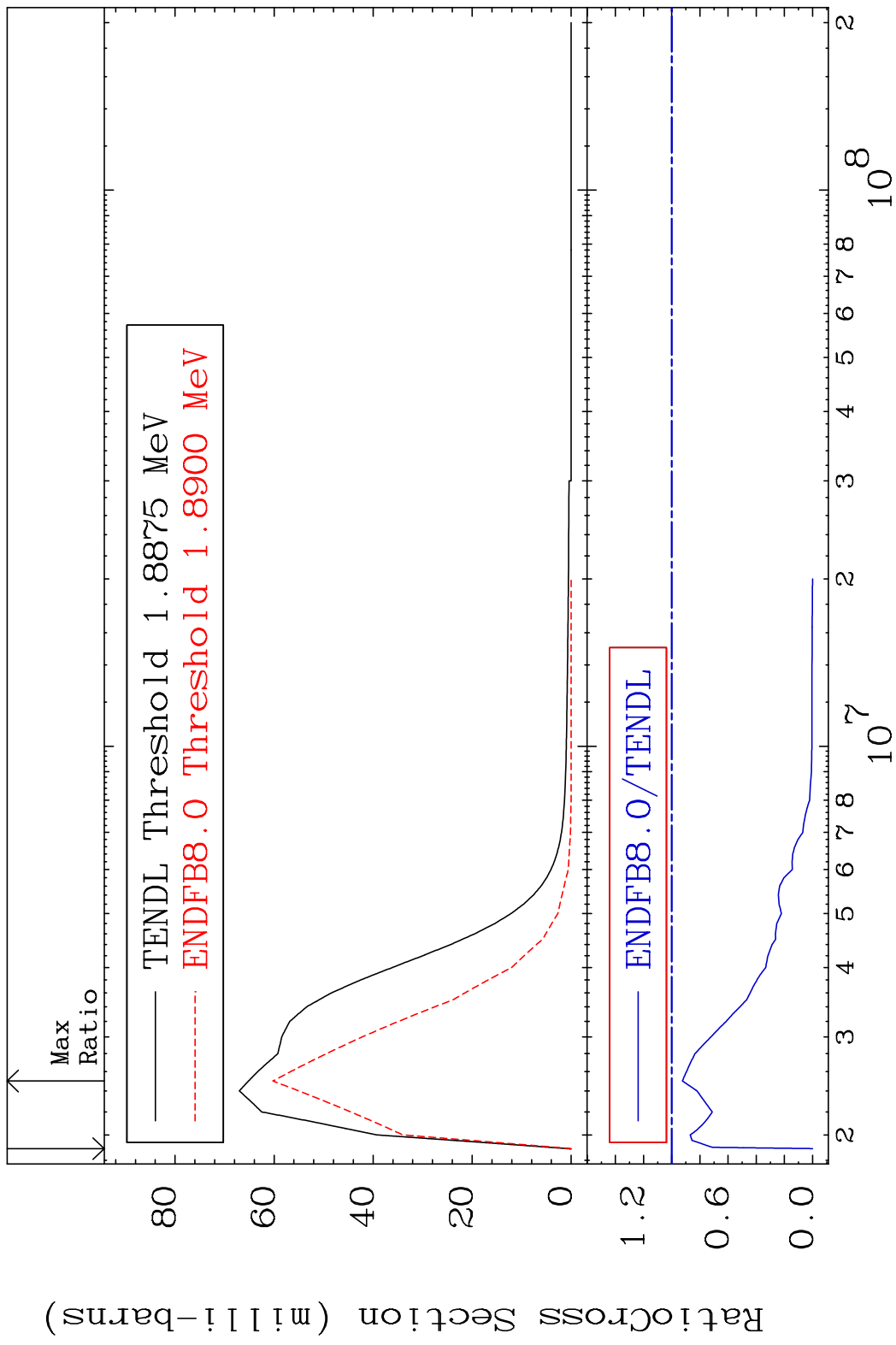
MAT 4843 MT= 55 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 9999. %



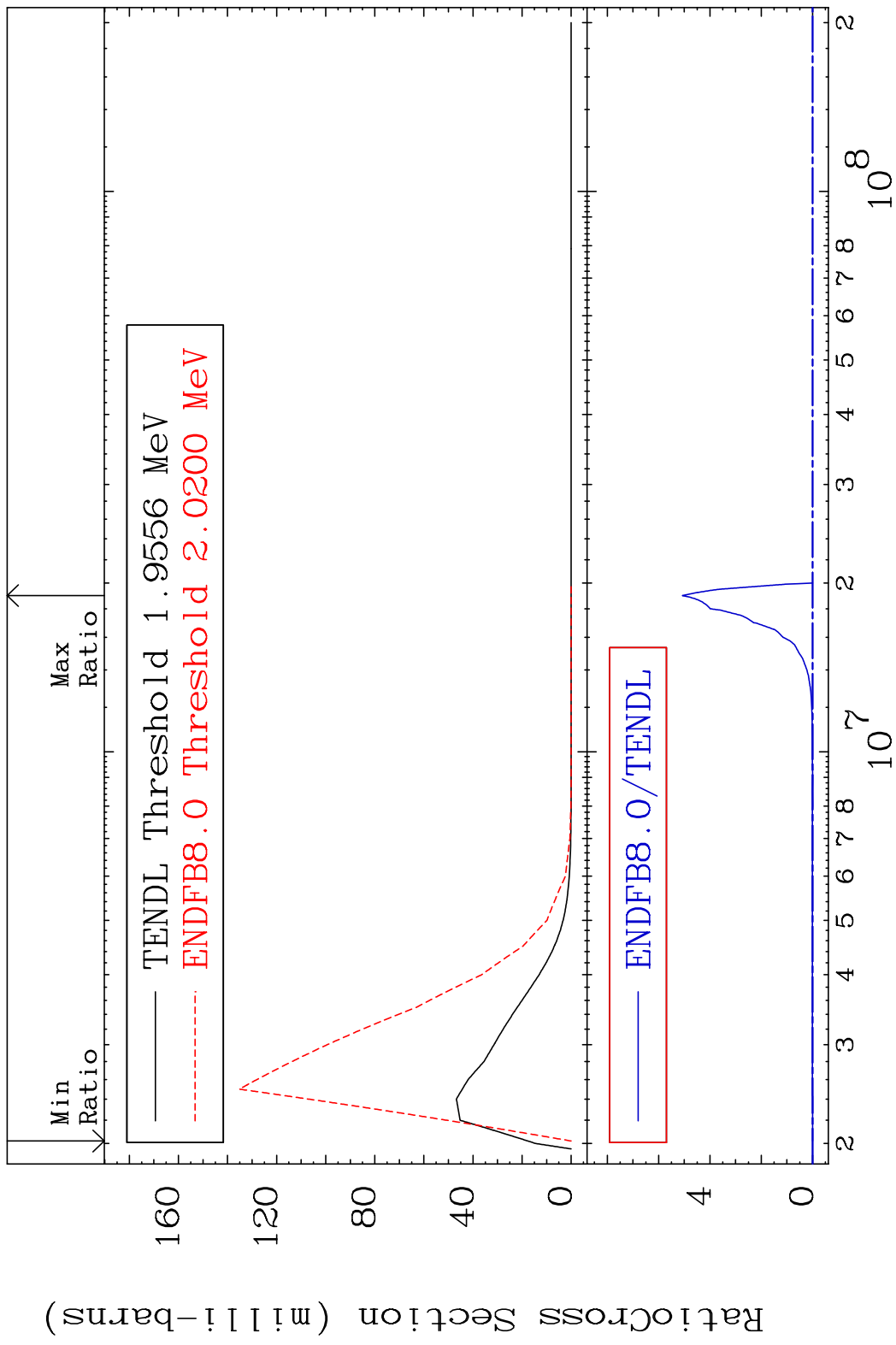
MAT 4843 MT= 56 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 25.35 %



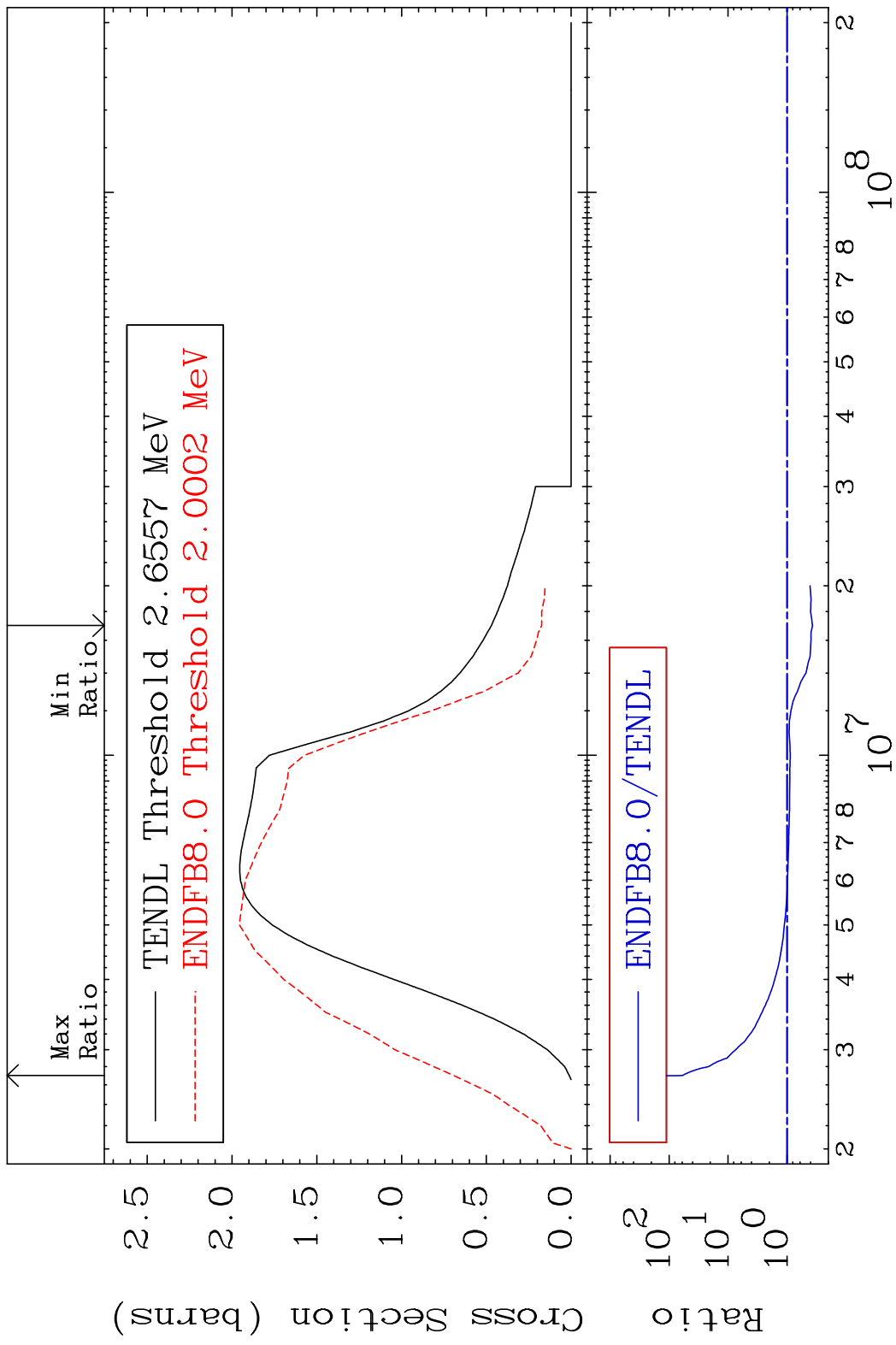
MAT 4843 MT= 57 (n,n') Level 48-Cd-112
 Cross Section -100.0 To -7.540%



MAT 4843 MT= 58 (n, n') Level 48-Cd-112
 Cross Section -100.0 To 9999. %



MAT 4843 (n,n') Continuum 48-Cd-112
 Cross Section -63.03 To 5860. %

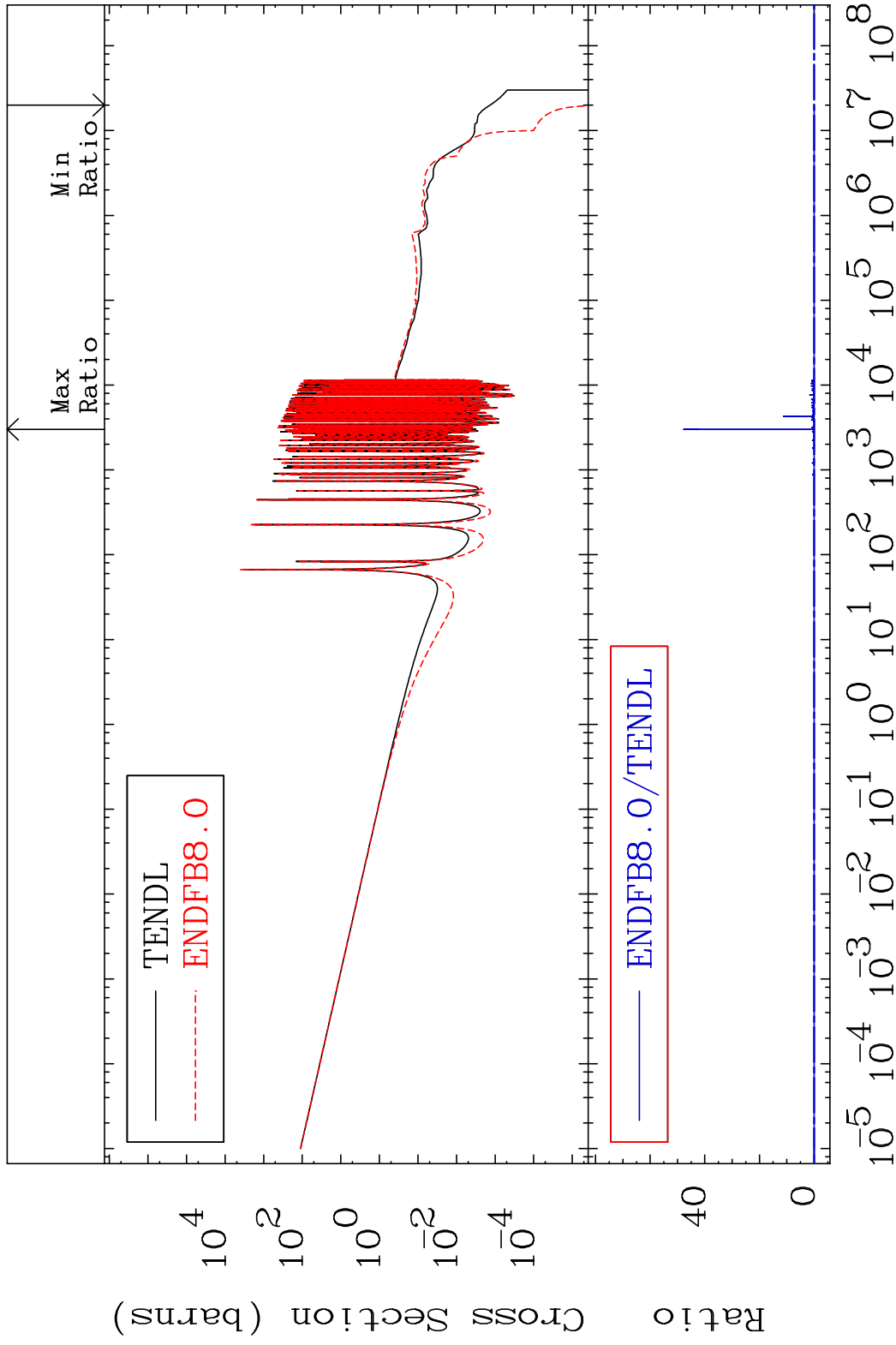


MAT 4843

(n, γ)

48-Cd-112

Cross Section -100.0 To 9999. %



19

Incident Energy (eV)

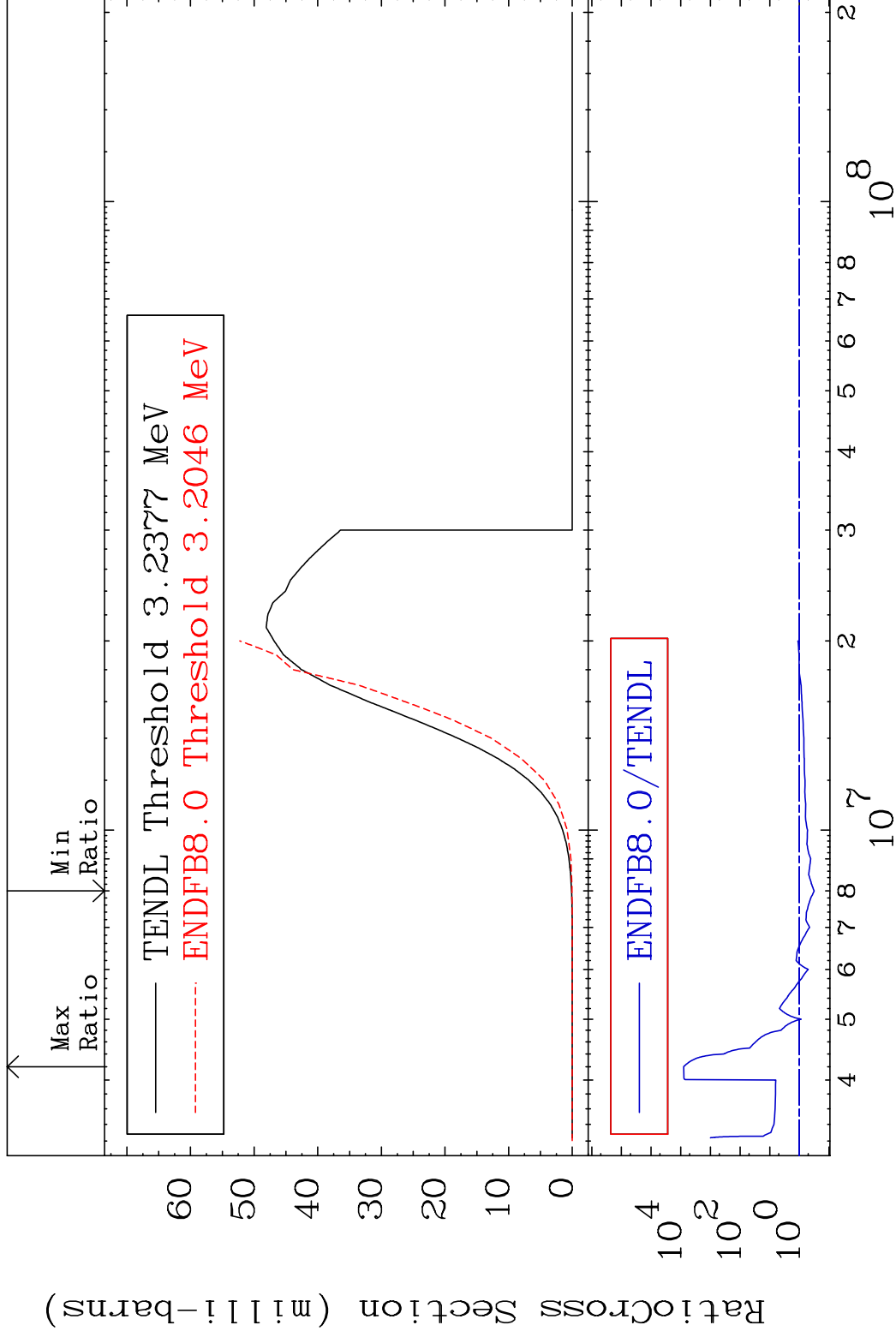
48-Cd-112

MAT 4843

(n,p)

48-Cd-112

Cross Section -68.07 To 9999. %

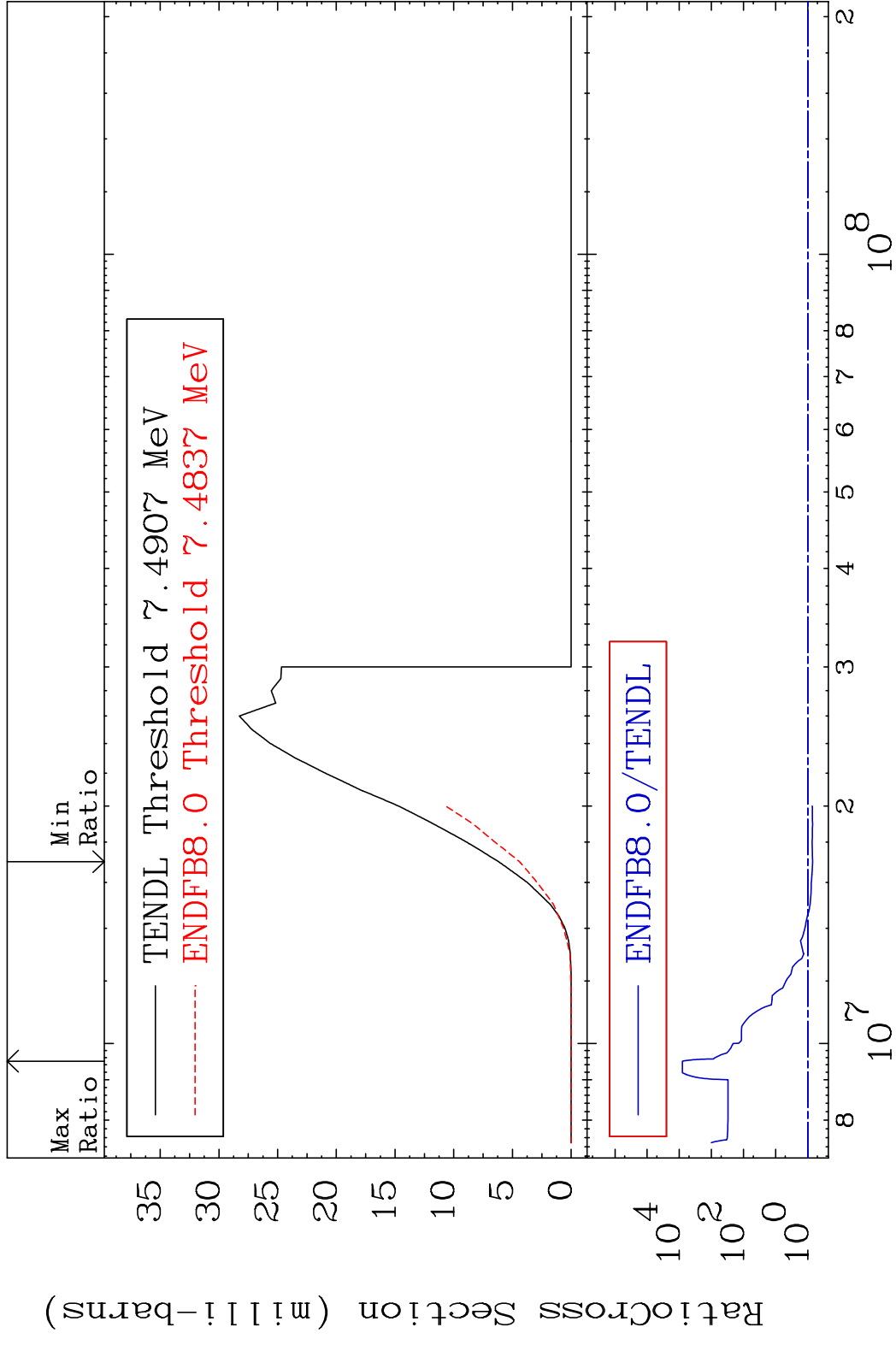


20

Incident Energy (eV)

48-Cd-112

MAT 4843 (n,d) 48-Cd-112
 Cross Section -28.84 To 9999. %

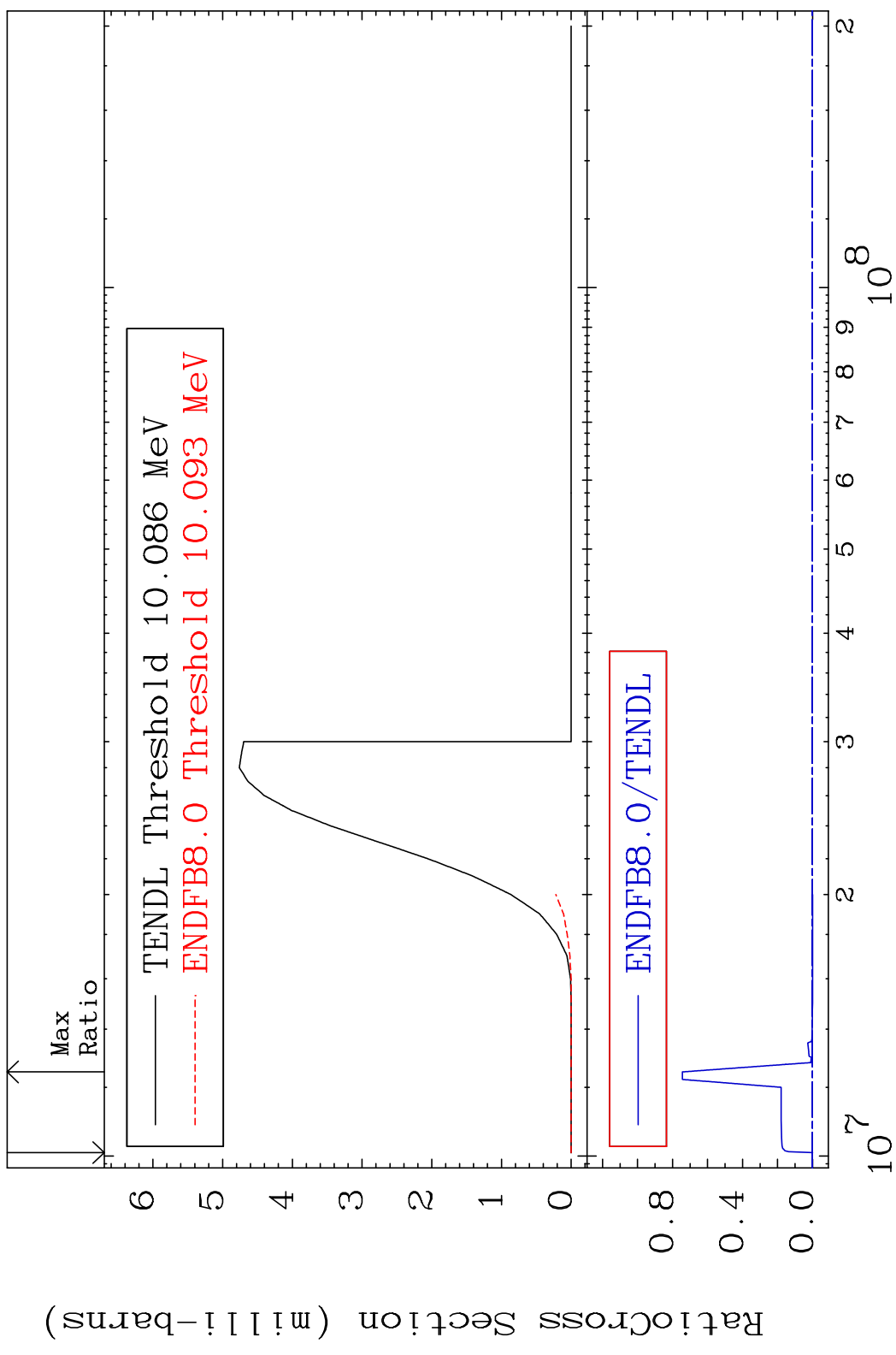


MAT 4843

(n, t)

48-Cd-112

Cross Section -100.0 To 9999. %



22

Incident Energy (eV)

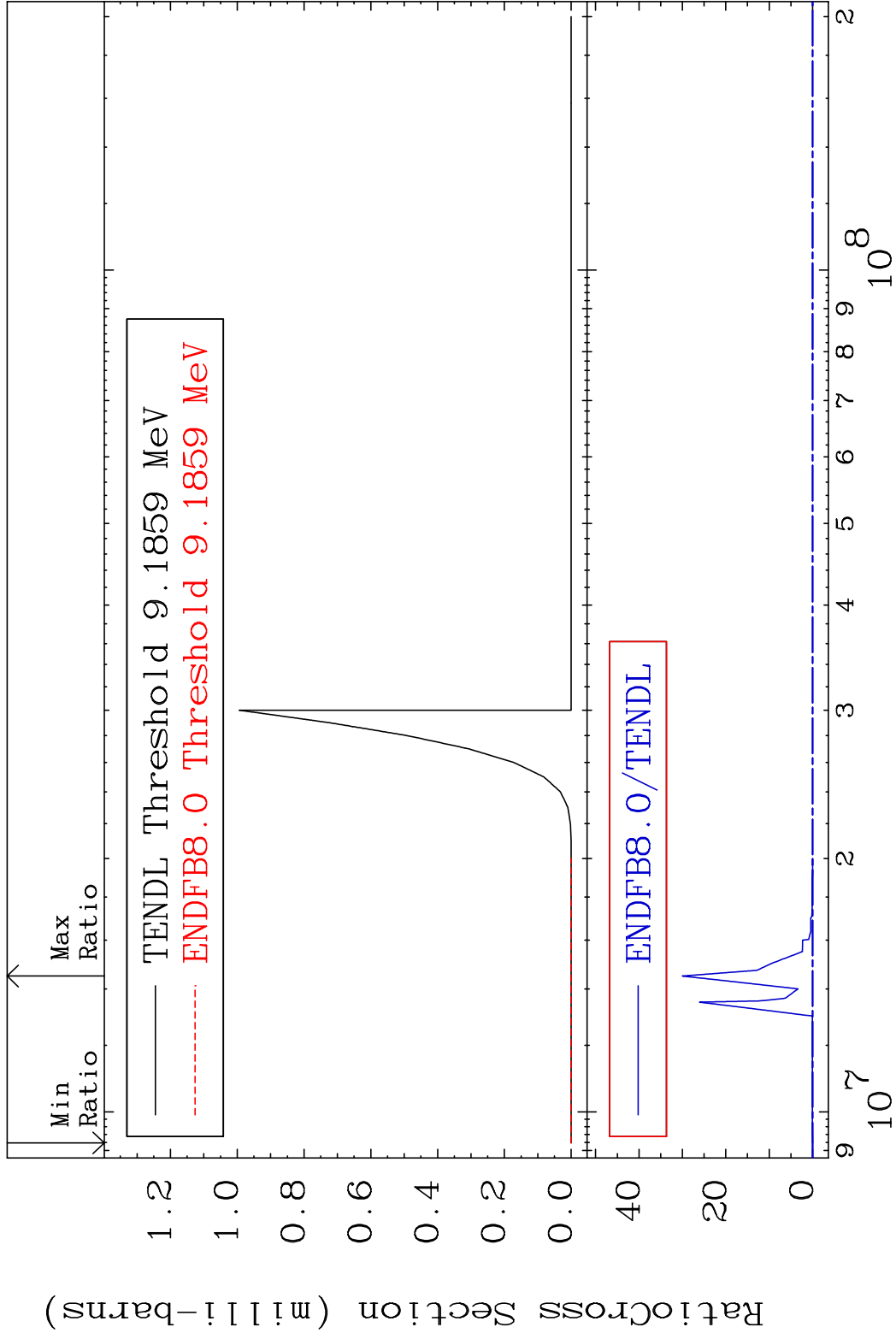
48-Cd-112

MAT 4843

(n, He-3)

48-Cd-112

Cross Section -100.0 To 9999. %



23

Incident Energy (eV)

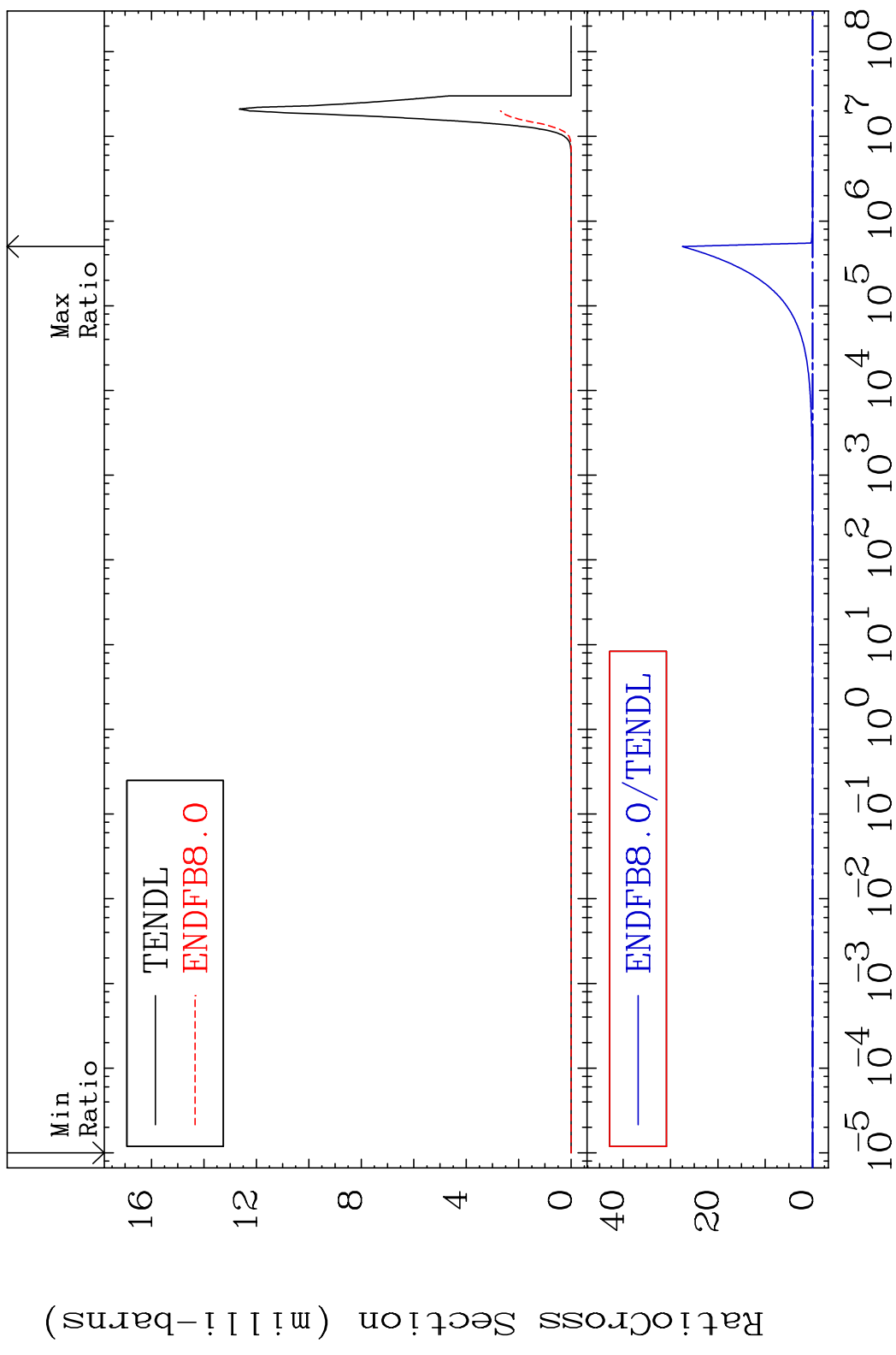
48-Cd-112

MAT 4843

(n, α)

48-Cd-112

Cross Section -100.0 To 9999. %

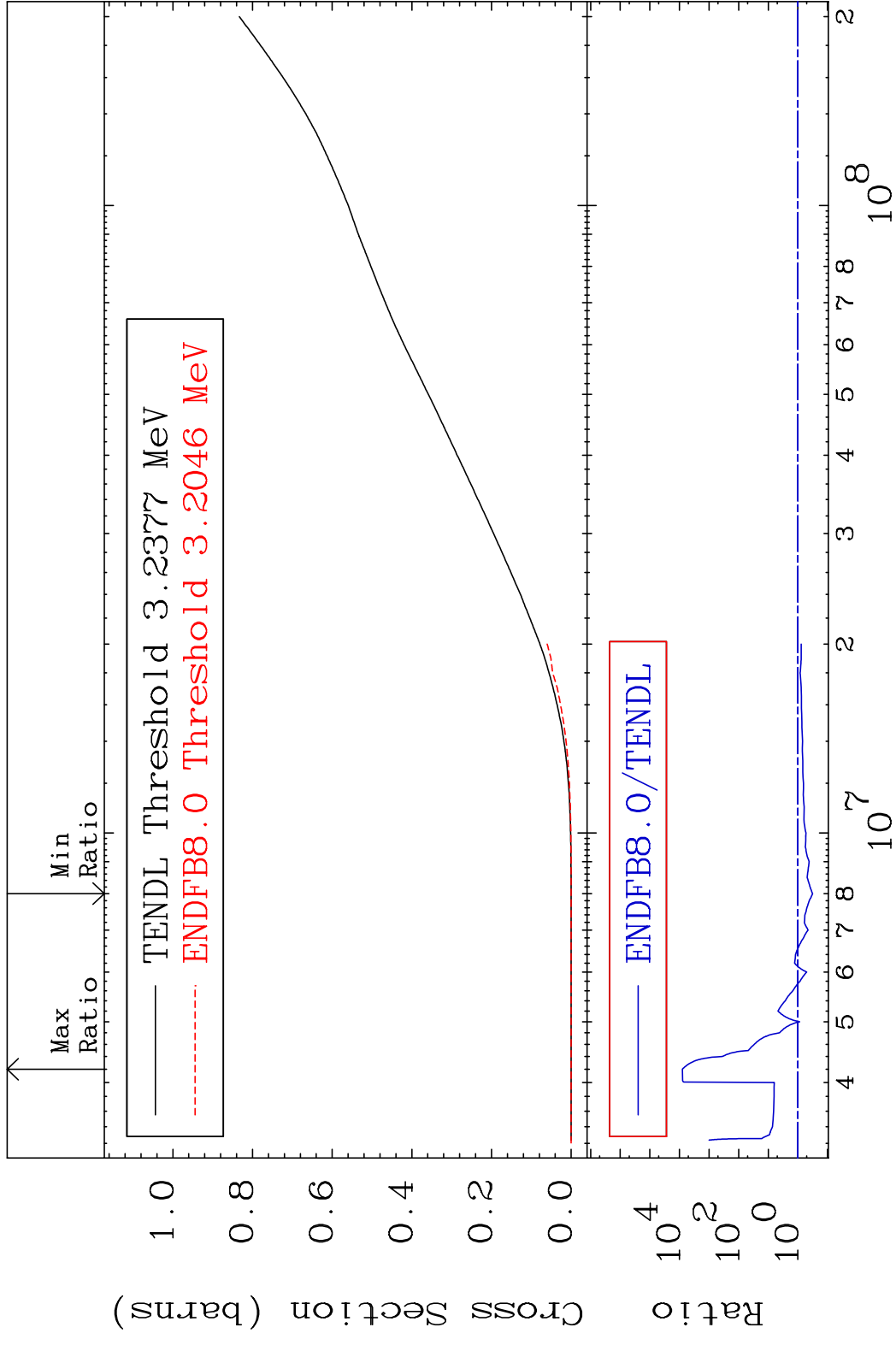


24

Incident Energy (eV)

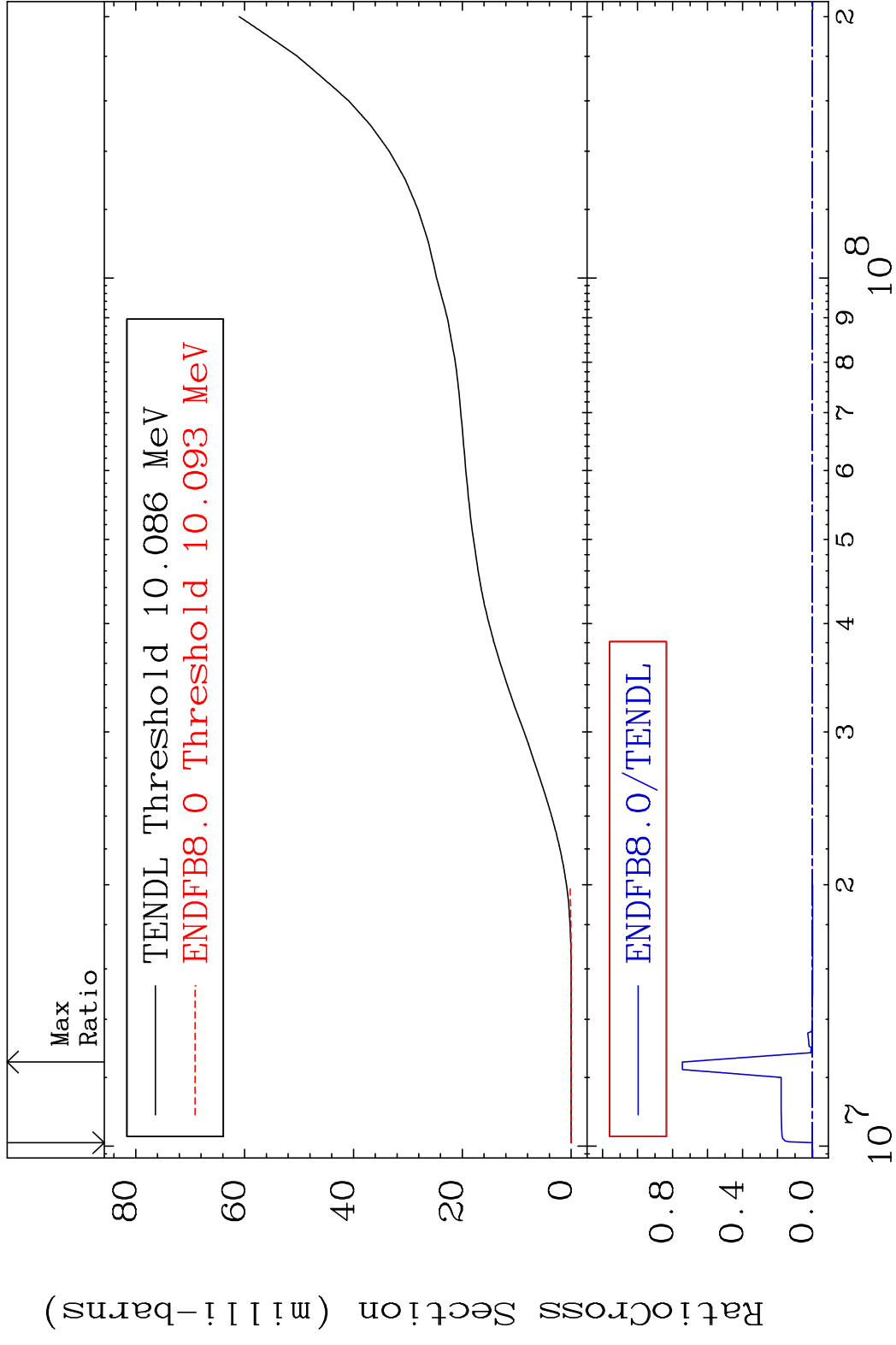
48-Cd-112

MAT 4843 Hydrogen Production 48-Cd-112
 Cross Section -68.07 To 9999. %



MAT 4843

Tritium Production 48-Cd-112
Cross Section -100.0 To 9999. %



27

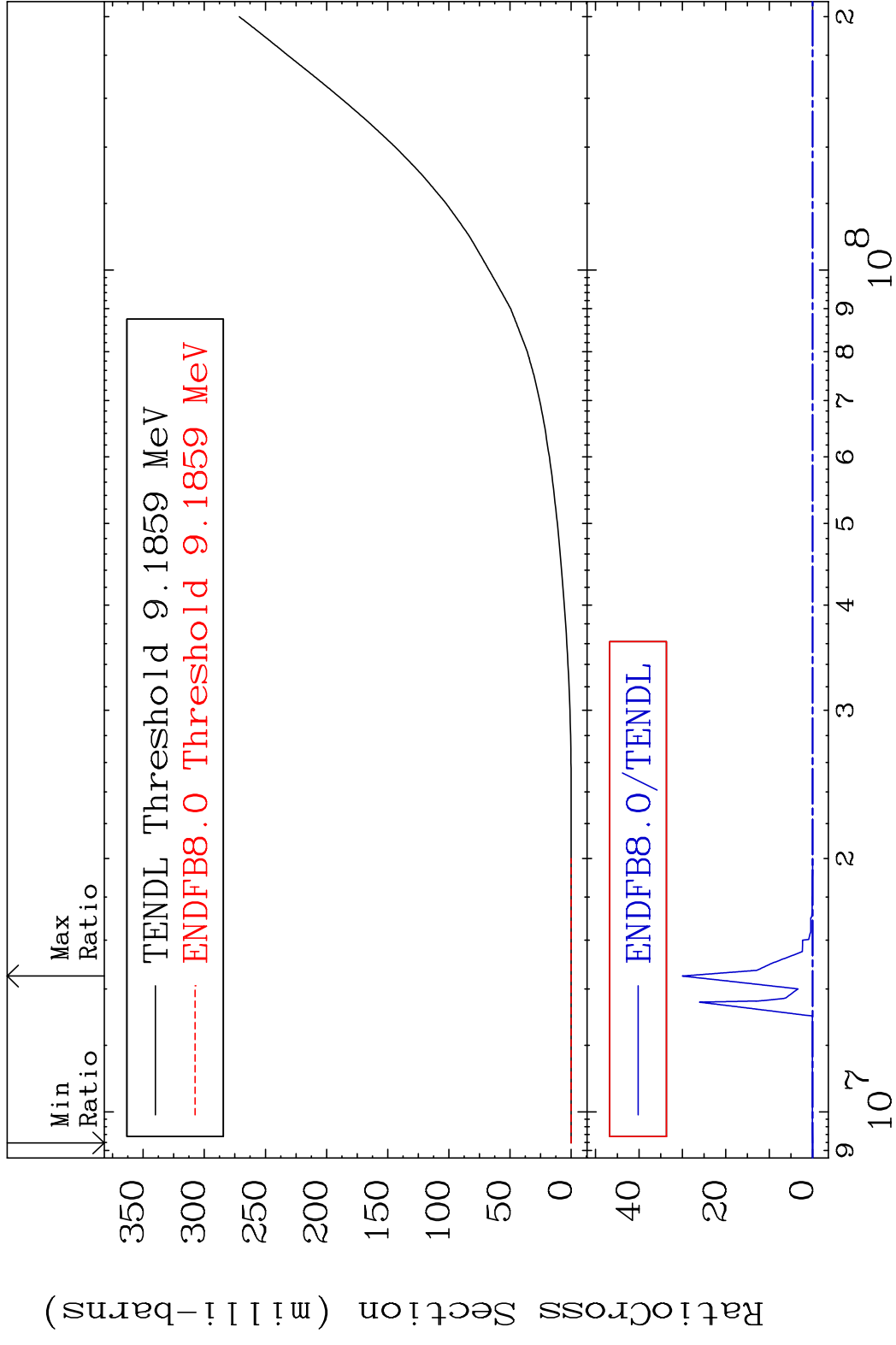
48-Cd-112

MAT 4843

He-3 Production

48-Cd-112

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

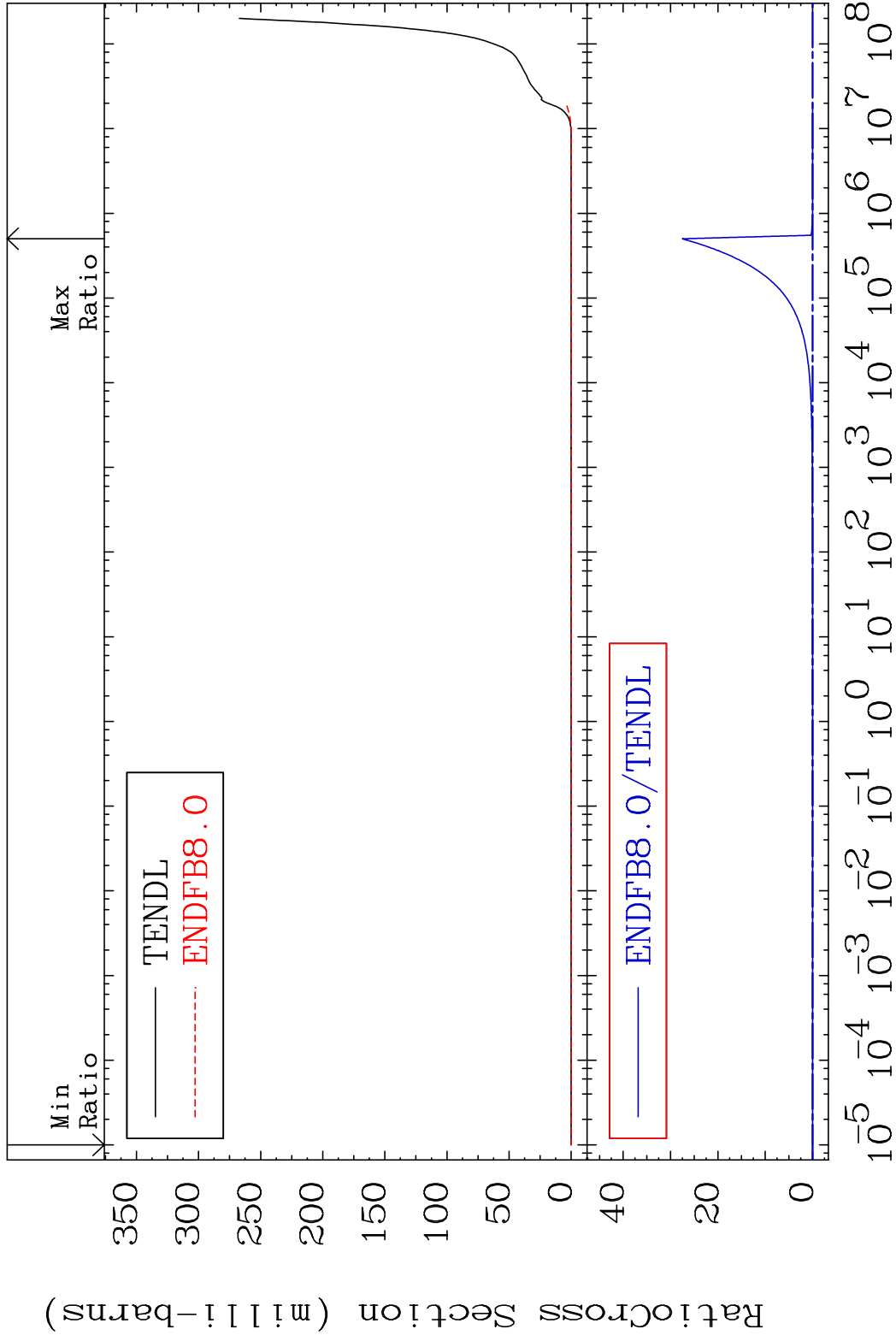
48-Cd-112

MAT 4843

He-4 Production

48-Cd-112

Cross Section -100.0 To 9999. %

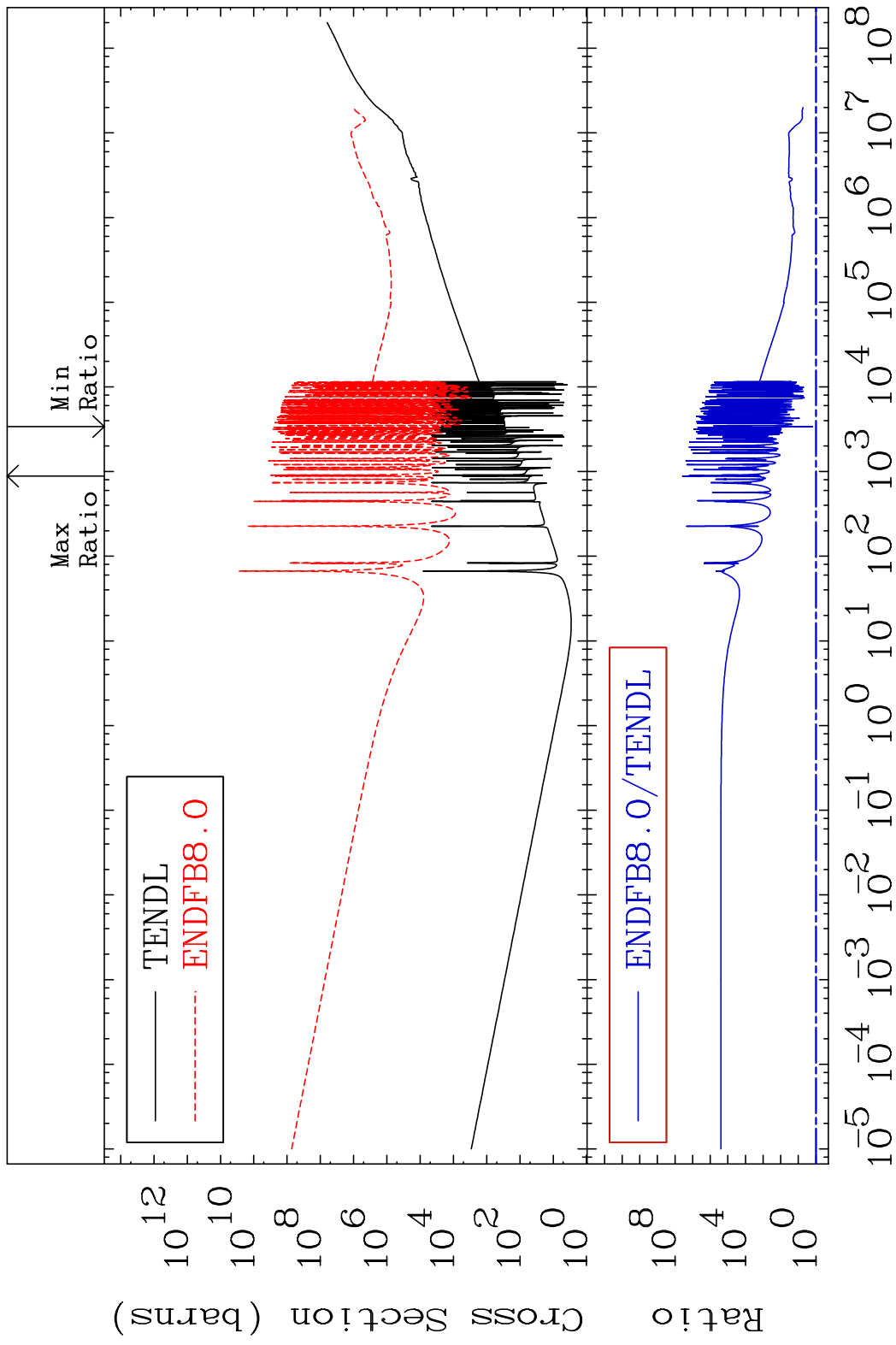


29

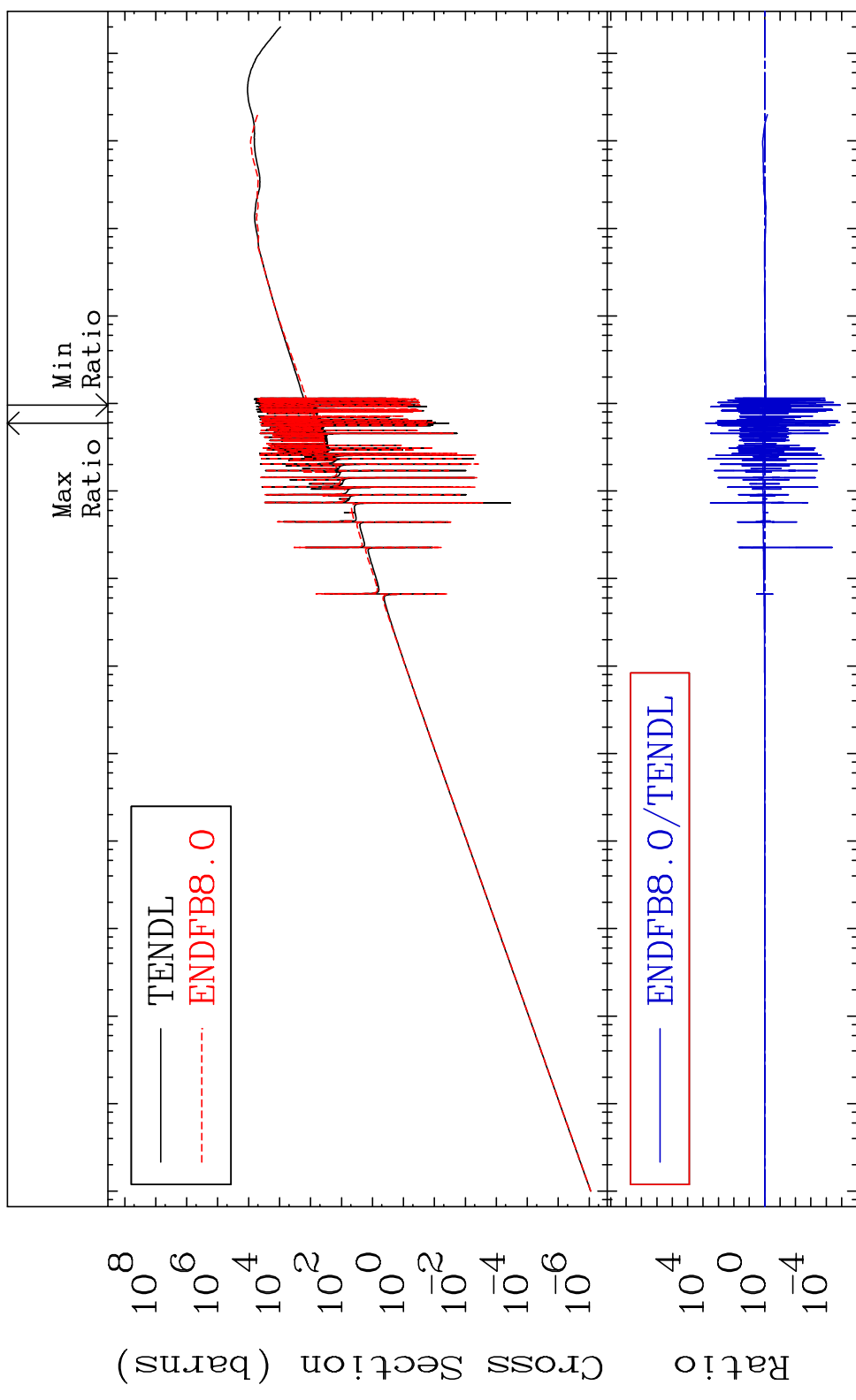
Incident Energy (eV)

48-Cd-112

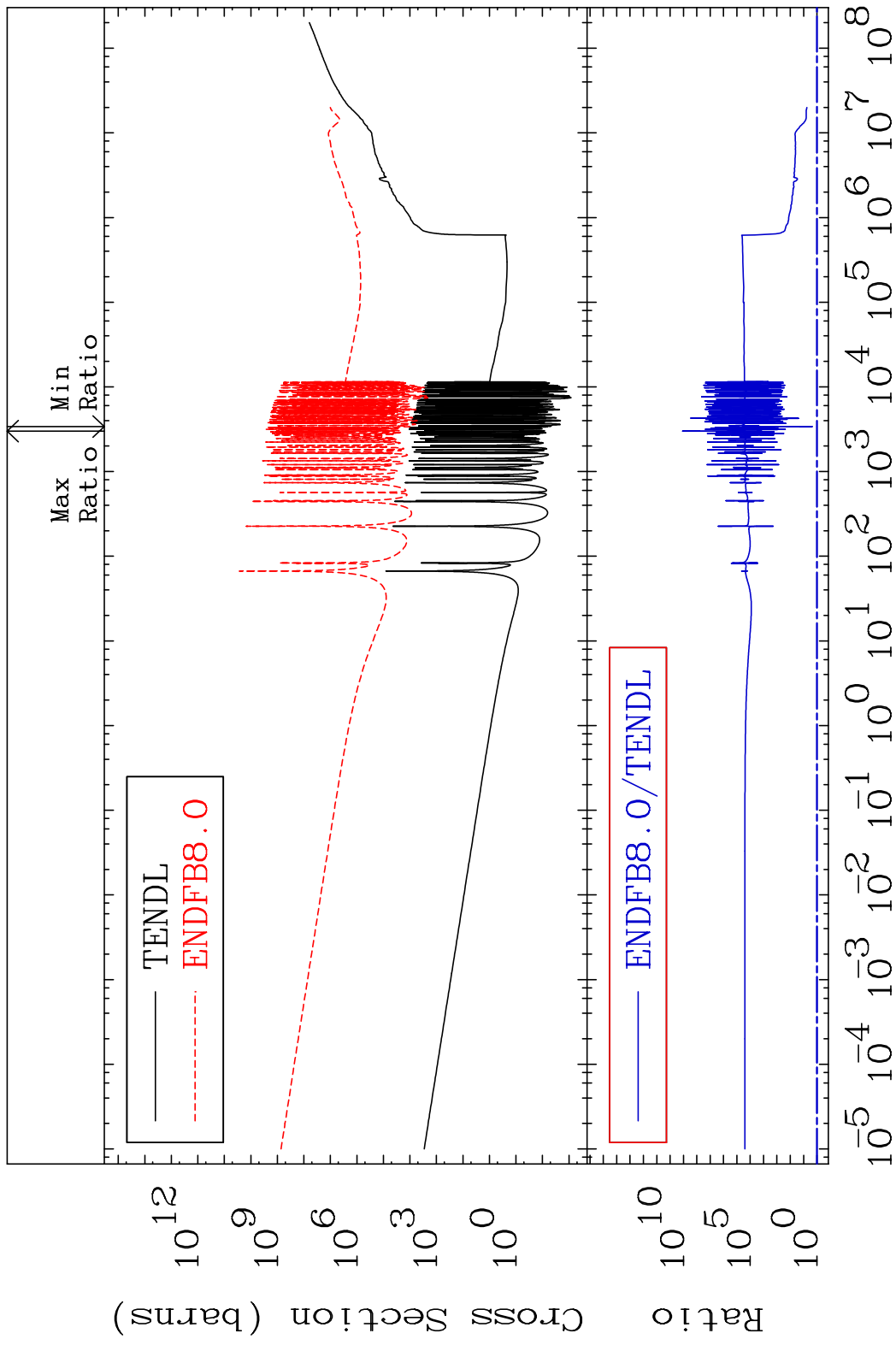
MAT 4843 Kerma total (eV-barns) 48-Cd-112
 Cross Section 56.06 To 9999. %



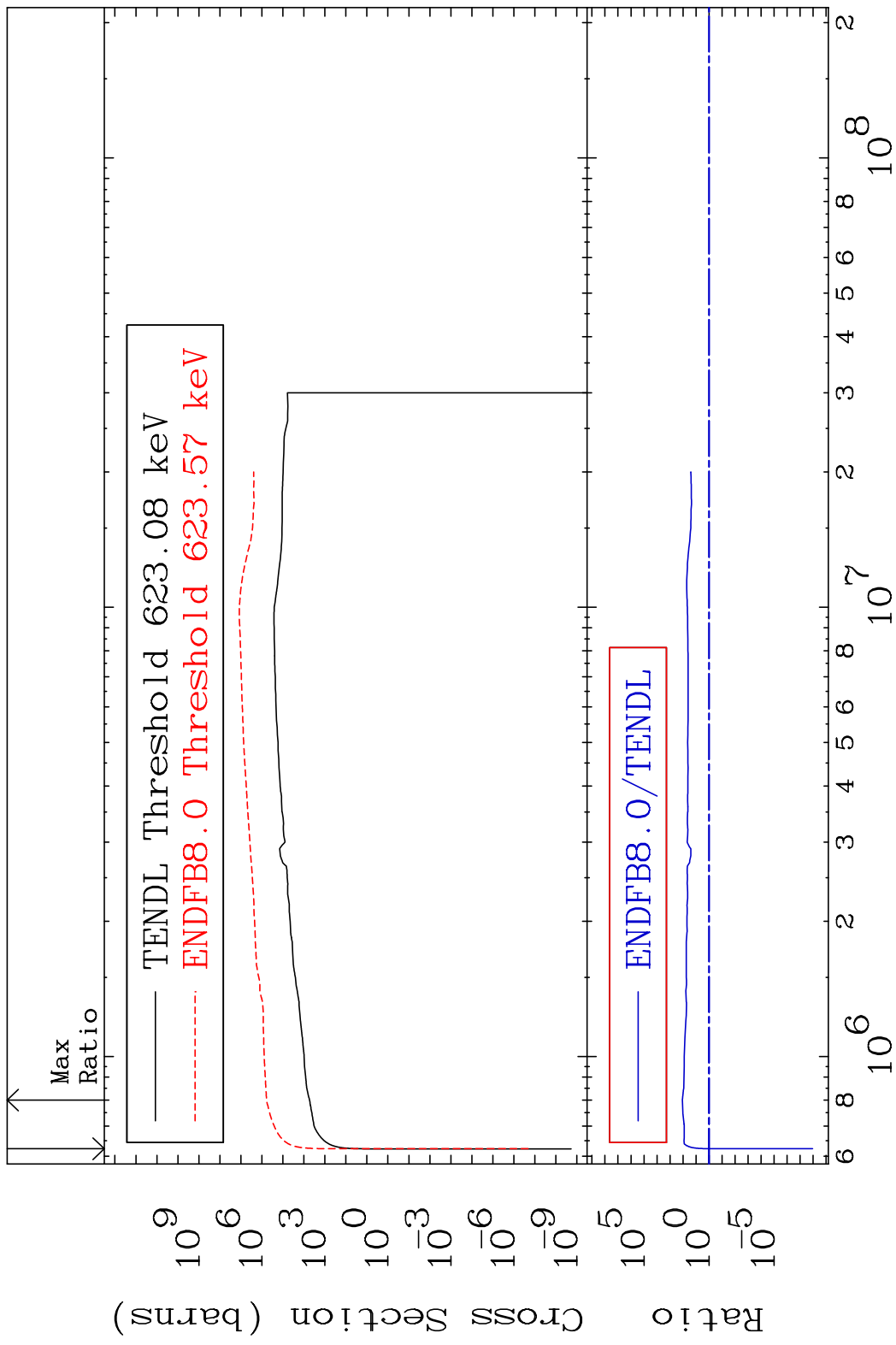
MAT 4843 Kerma elastic 48-Cd-112
 Cross Section -100.0 To 9999. %



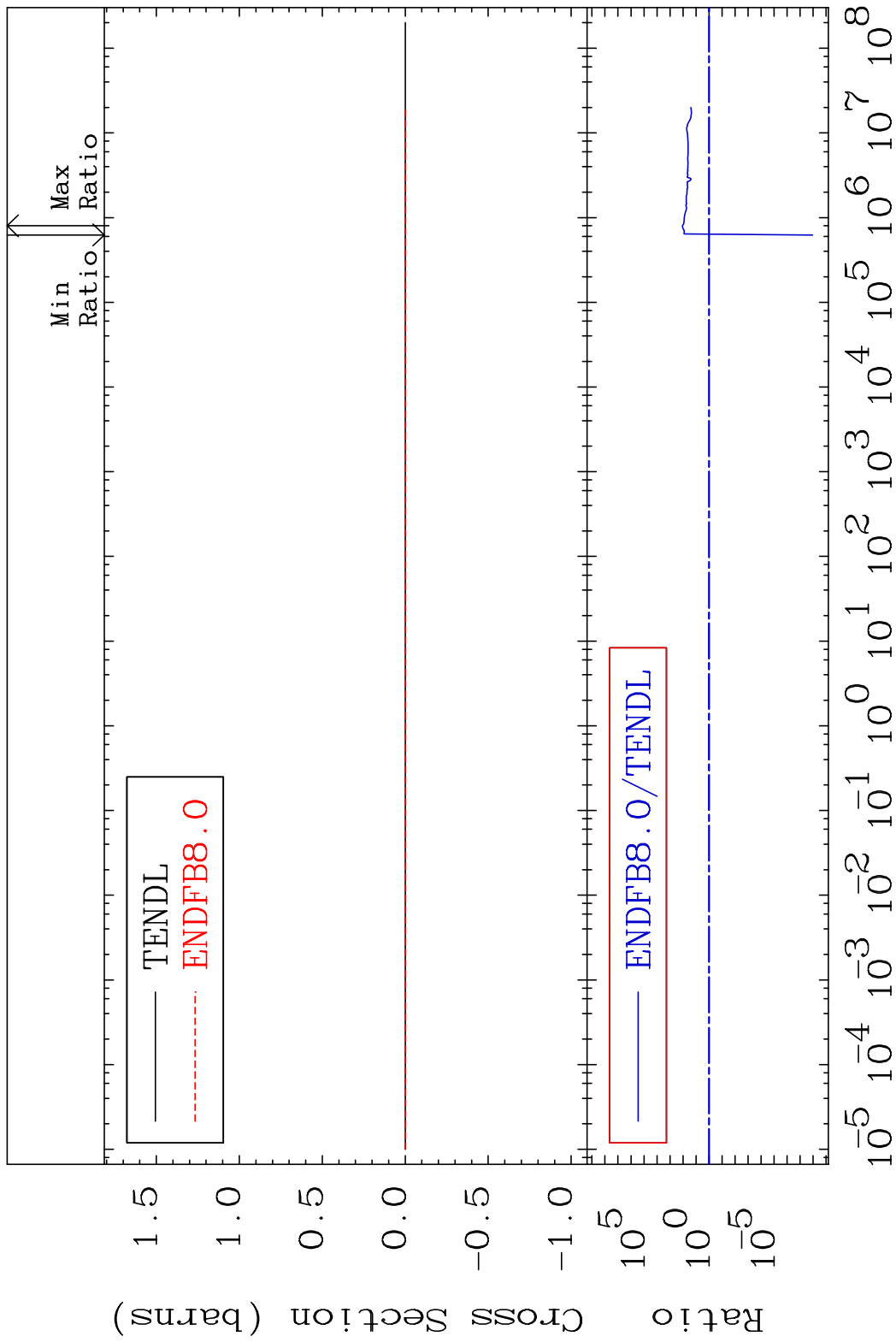
MAT 4843 Kerma non-elastic (all but mt2) 48-Cd-112
 Cross Section 113.8 To 9999. %



MAT 4843 Kerma inelastic (mt51-91) 48-Cd-112
 Cross Section -100.0 To 9999. %

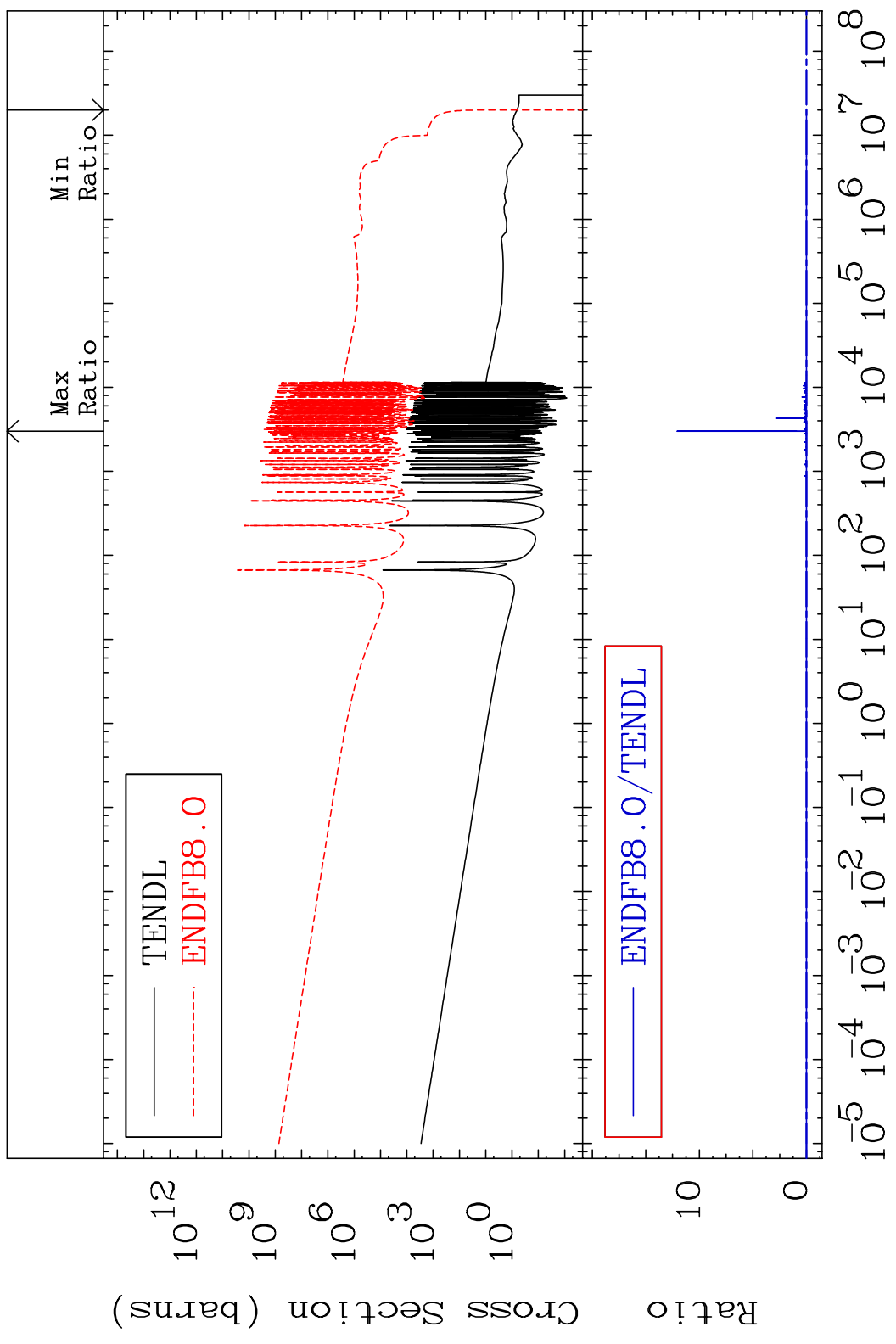


MAT 4843 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-112
 Cross Section -100.0 To 9999. %



MAT 4843

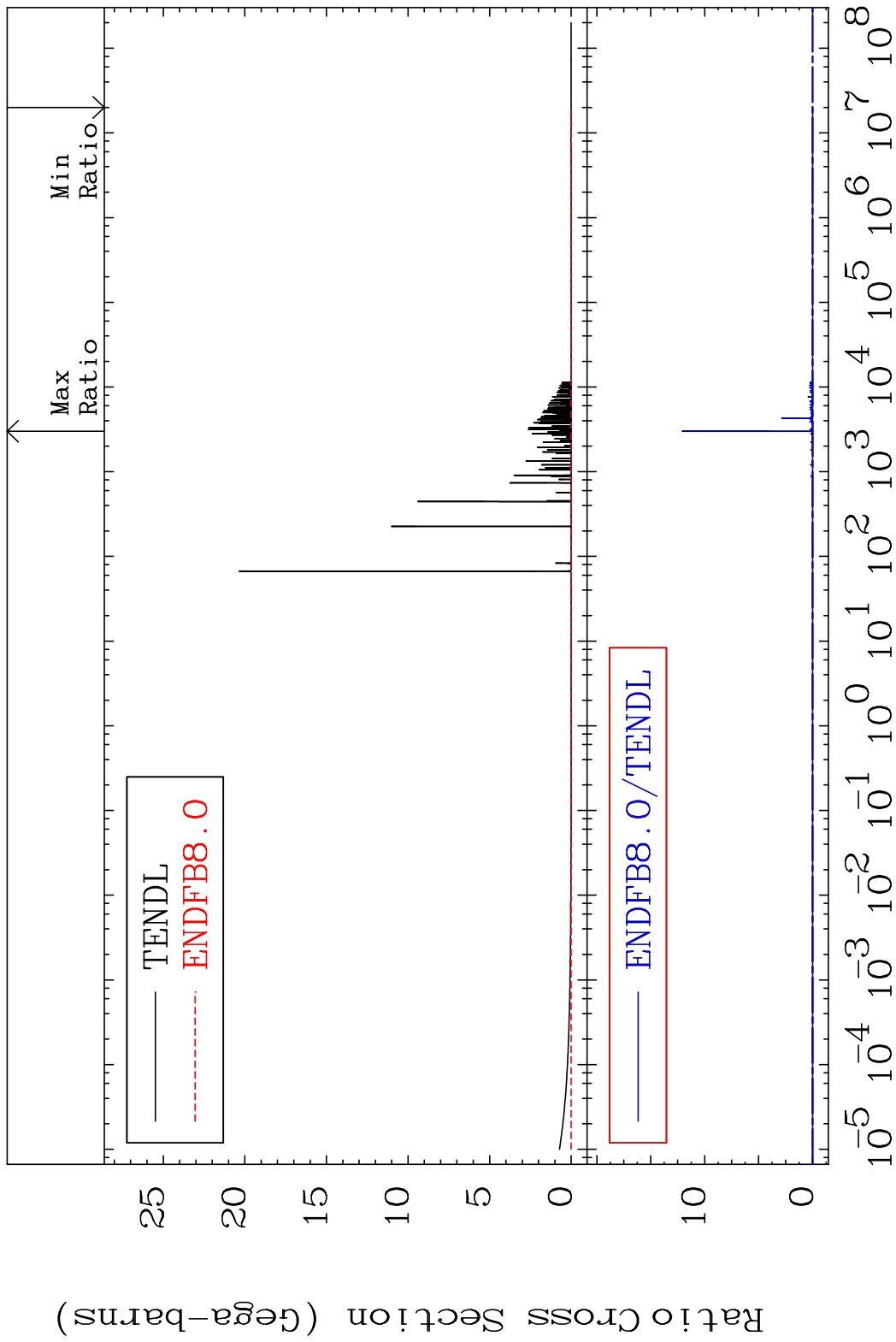
Kerma capture (mt102) 48-Cd-112
Cross Section -100.0 To 9999. %



35

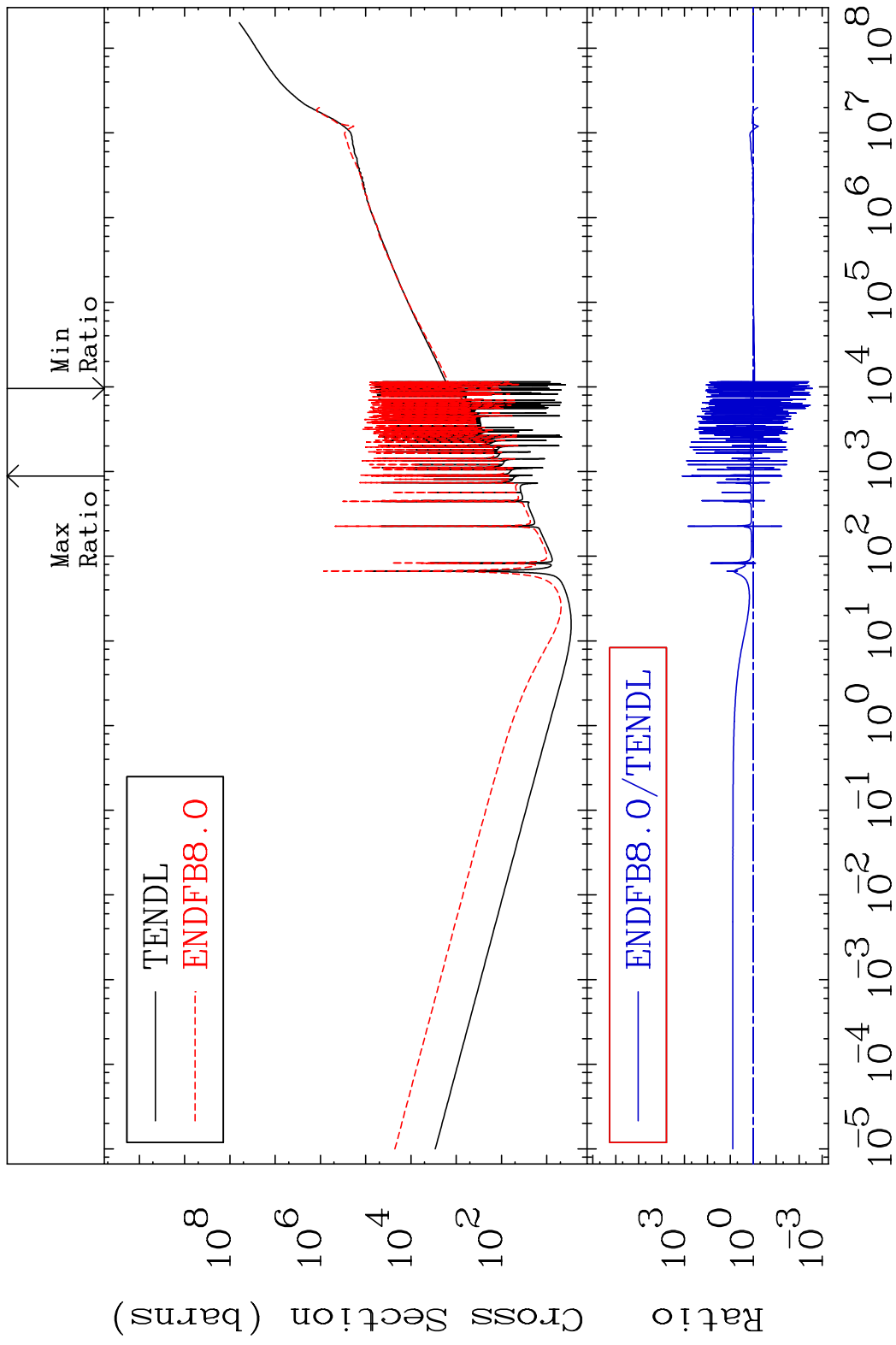
Incident Energy (eV) 48-Cd-112

MAT 4843 Total photon (eV-barns) 48-Cd-112
 Cross Section -100.0 To 9999. %

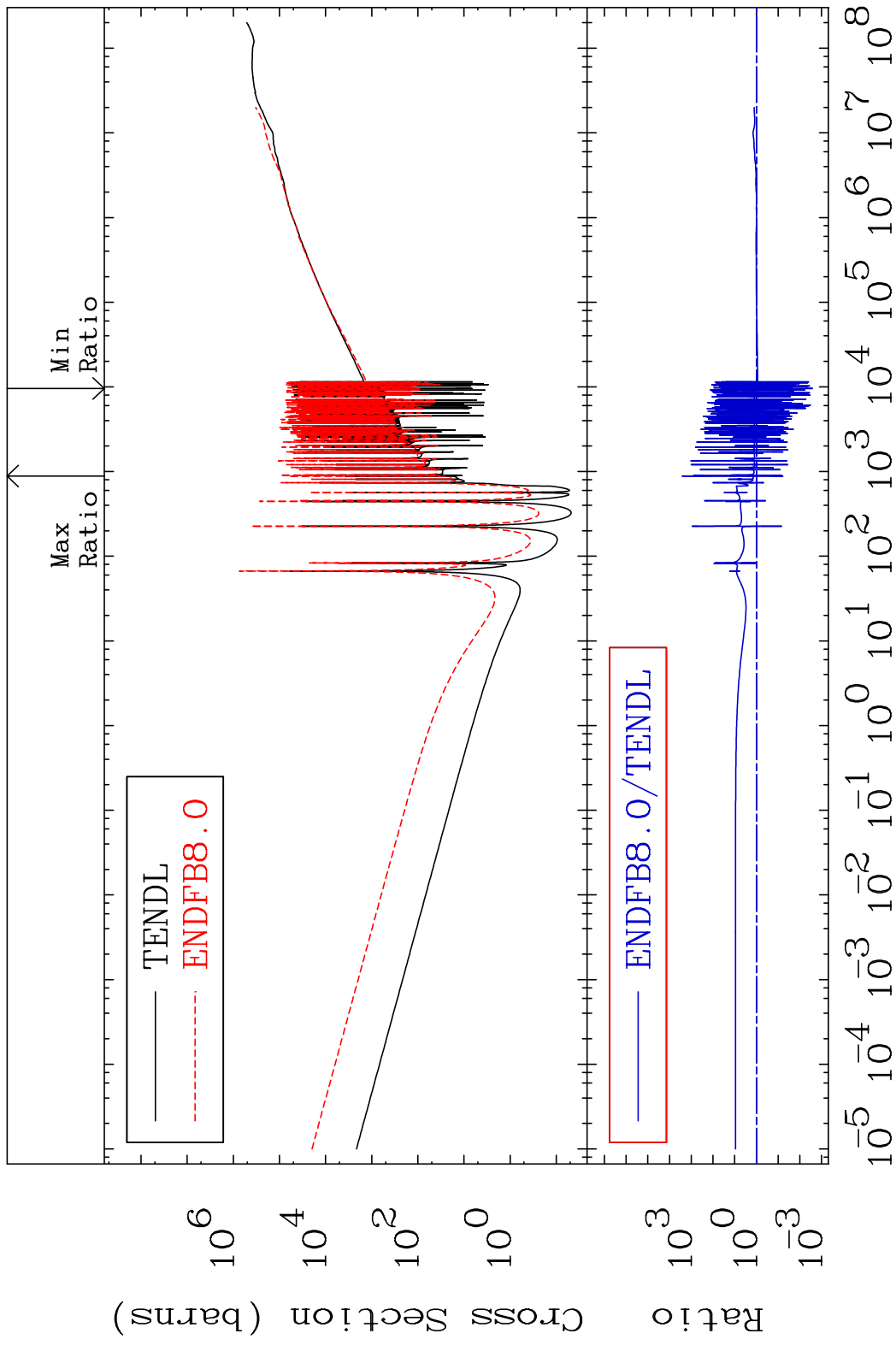


36 Incident Energy (eV) 48-Cd-112

MAT 4843 Total kinematic kerma (high limit) 48-Cd-112
 Cross Section -99.74 To 9999. %



MAT 4843 Dpa total (eV-barns) 48-Cd-112
 Cross Section -99.74 To 9999. %

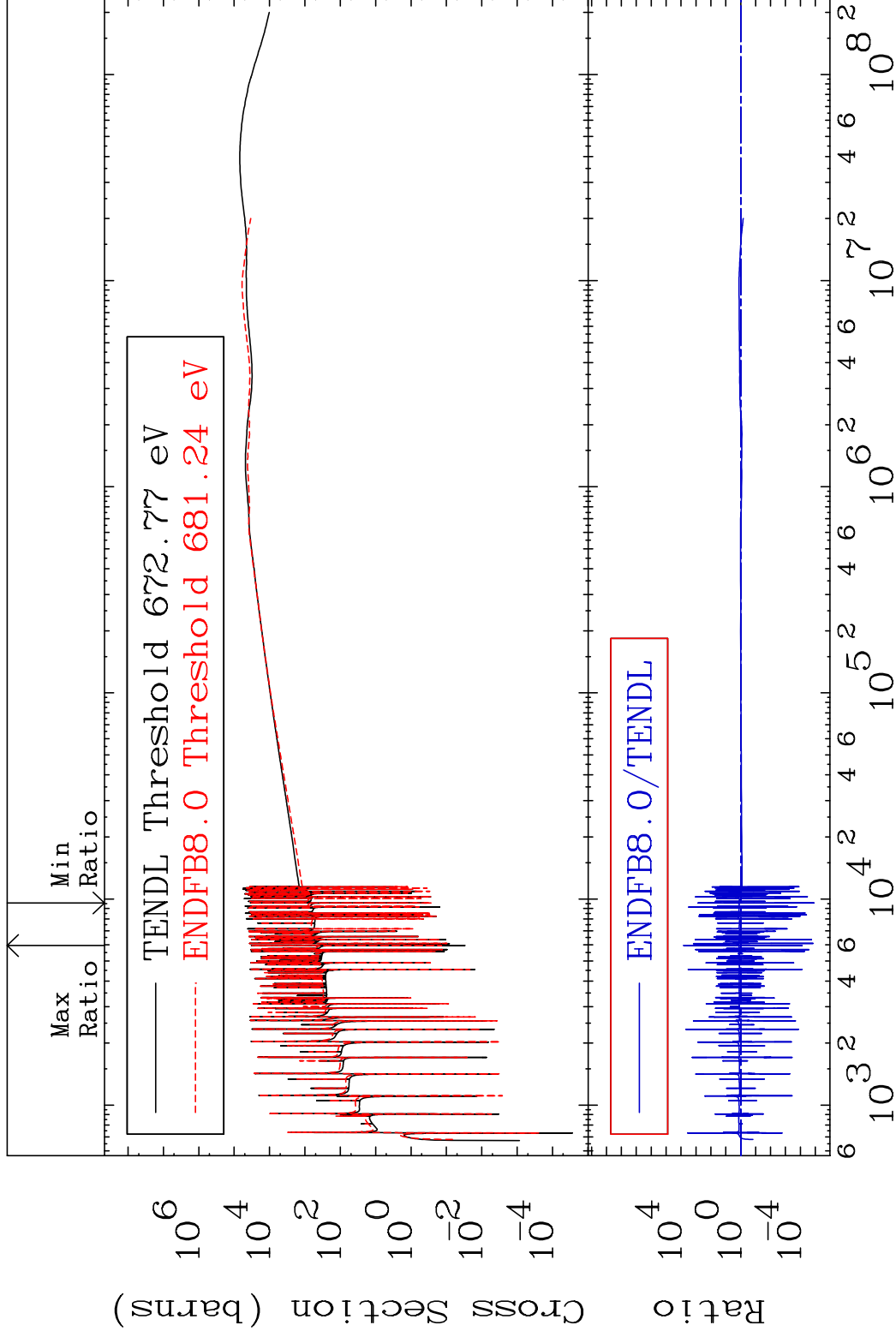


MAT 4843

Dpa elastic (mt2)

48-Cd-112

Cross Section -100.0 To 9999. %

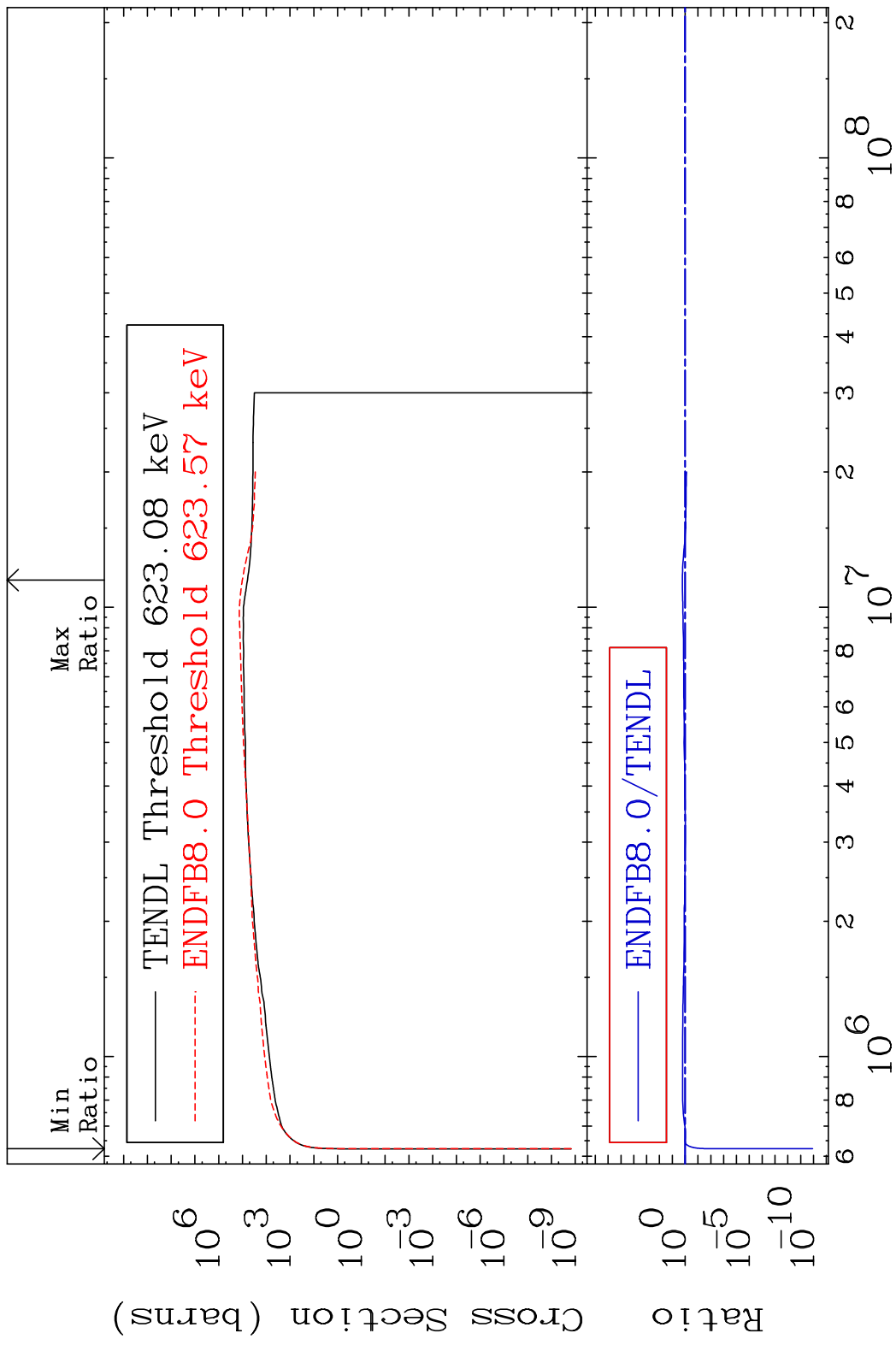


39

Incident Energy (eV)

48-Cd-112

MAT 4843 Dpa inelastic (mt51-91) 48-Cd-112
 Cross Section -100.0 To 64.43 %



40 Incident Energy (eV) 48-Cd-112

MAT 4843 Dpa disappearance (mt102 -120) 48-Cd-112
 Cross Section -99.99 To 9999. %

