

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

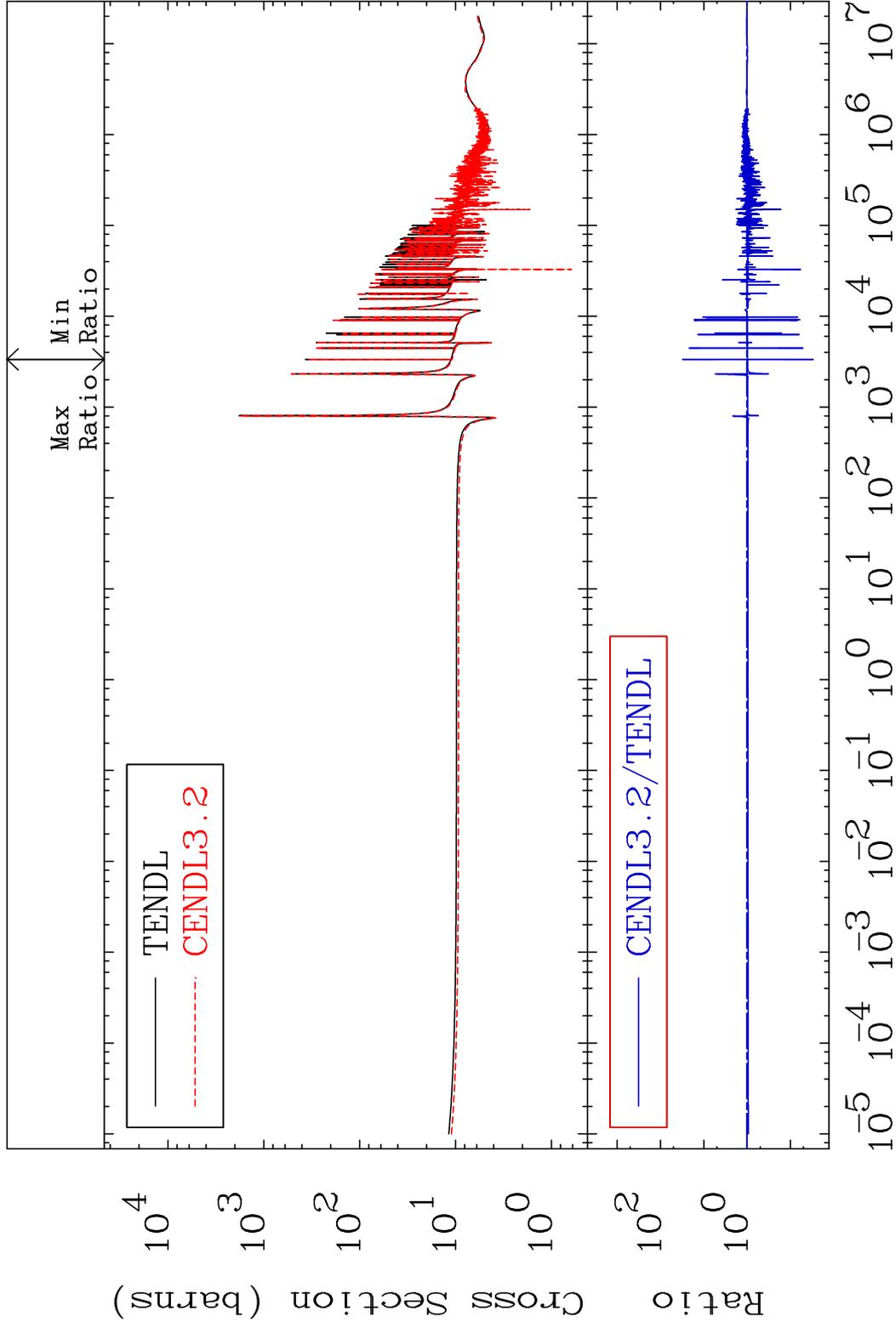
MAT 8325

Total

83-Bi-209

Cross Section

-97.01 To 2948. %



1

Incident Energy (eV)

83-Bi-209

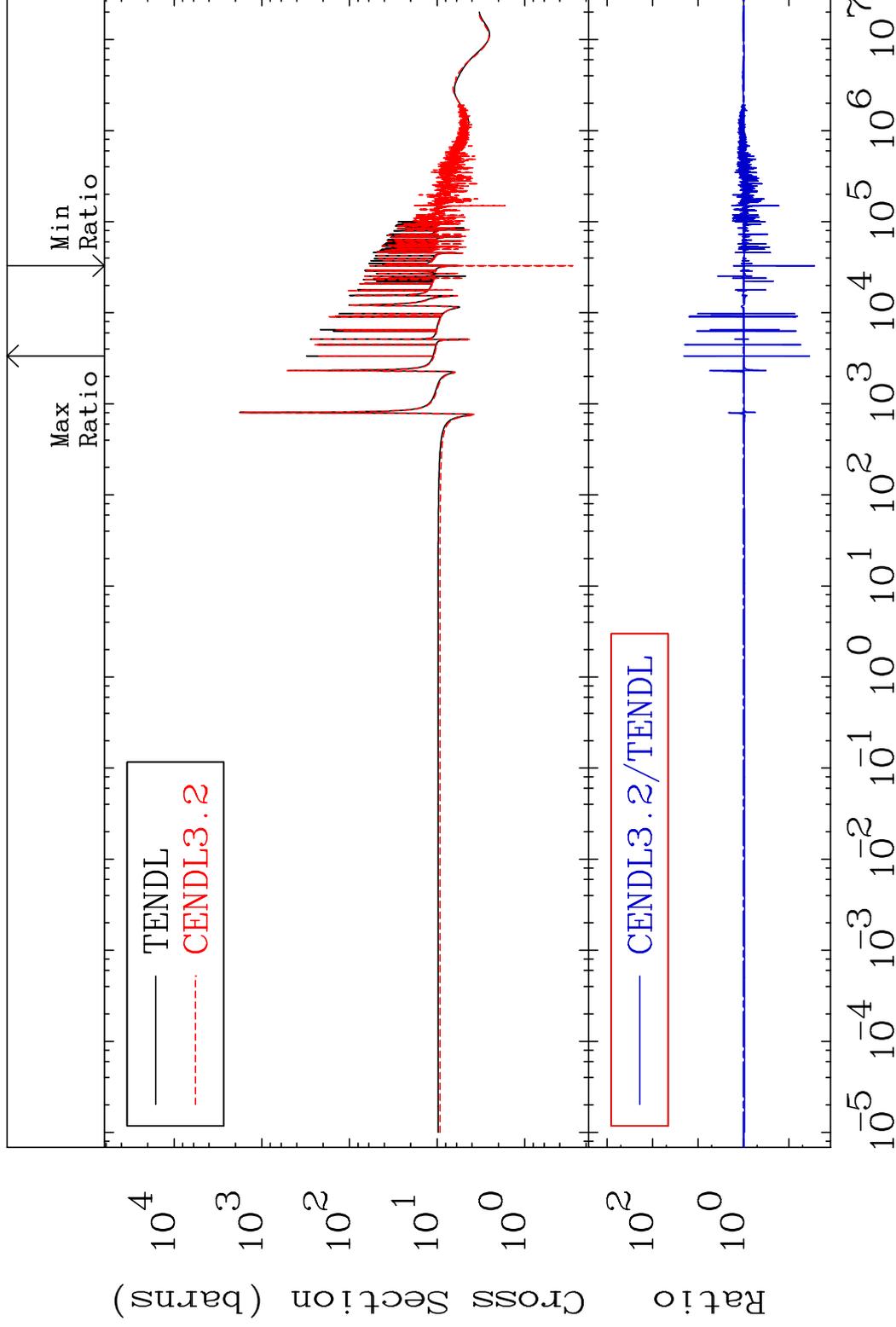
MAT 8325

Elastic

83-Bi-209

Cross Section

-97.27 To 1921. %

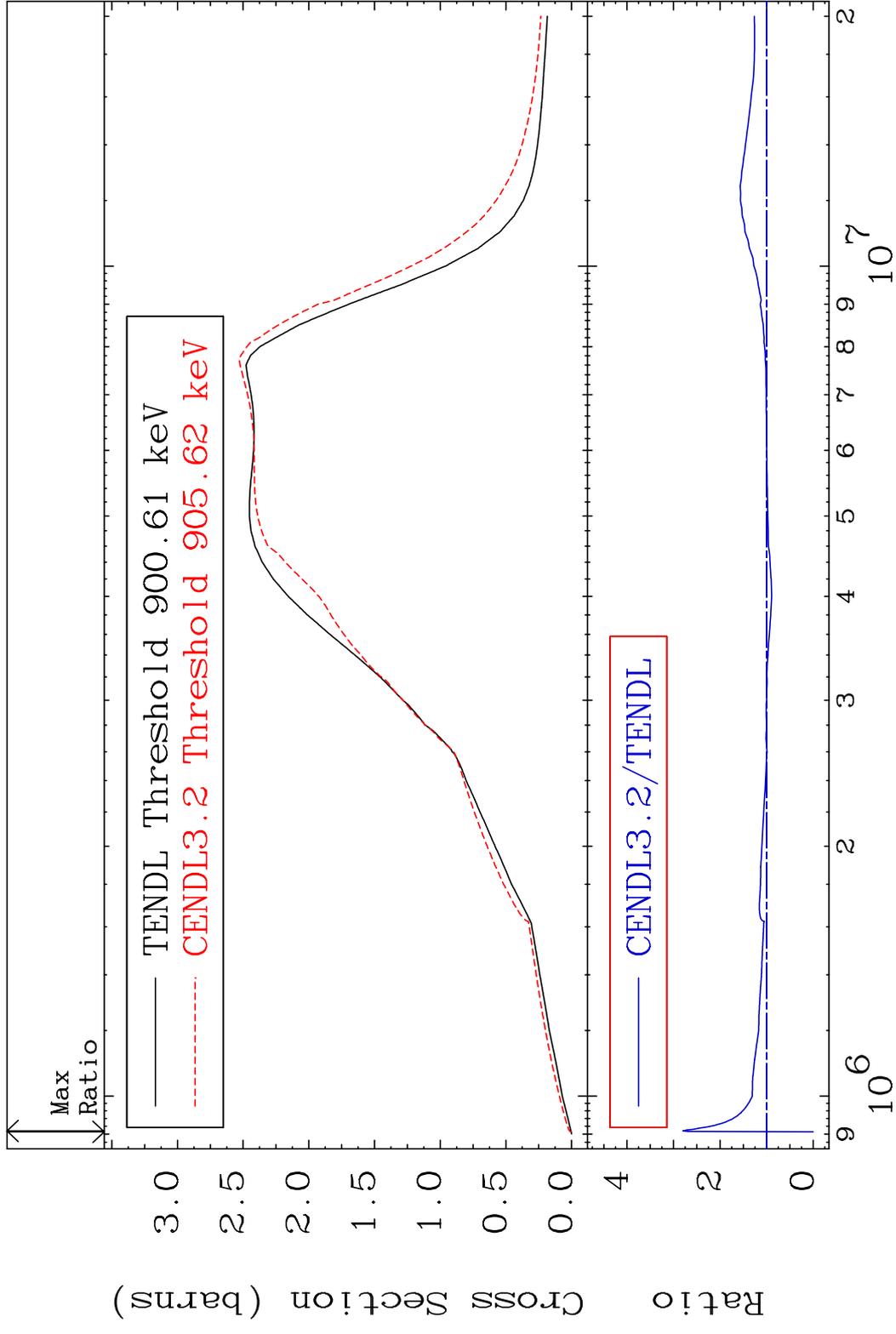


2

Incident Energy (eV)

83-Bi-209

MAT 8325 Inelastic 83-Bi-209
 Cross Section -100.0 To 180.1 %



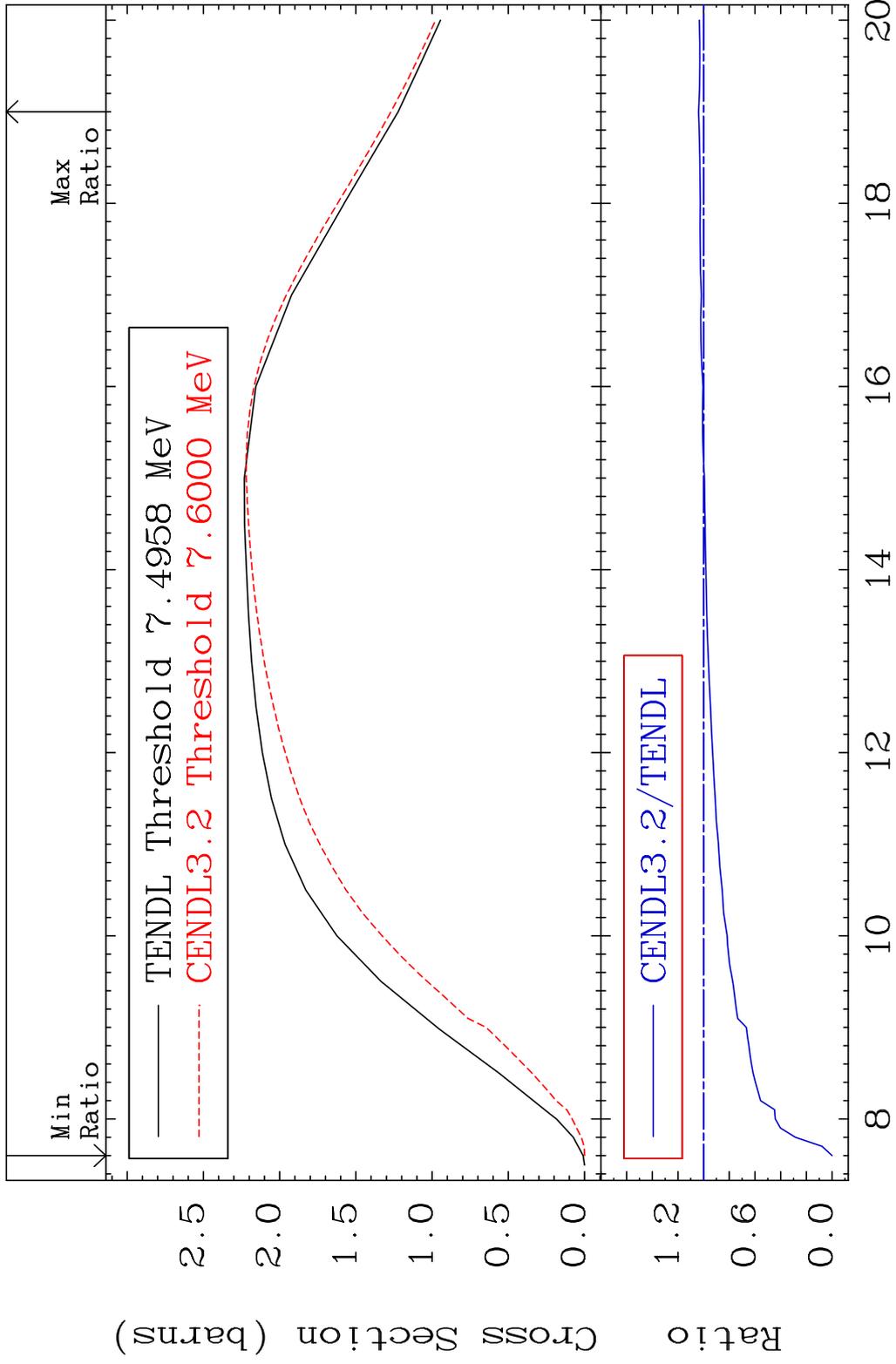
3 Incident Energy (eV) 83-Bi-209

MAT 8325

(n,2n)

83-Bi-209

Cross Section -100.0 To 3.929 %

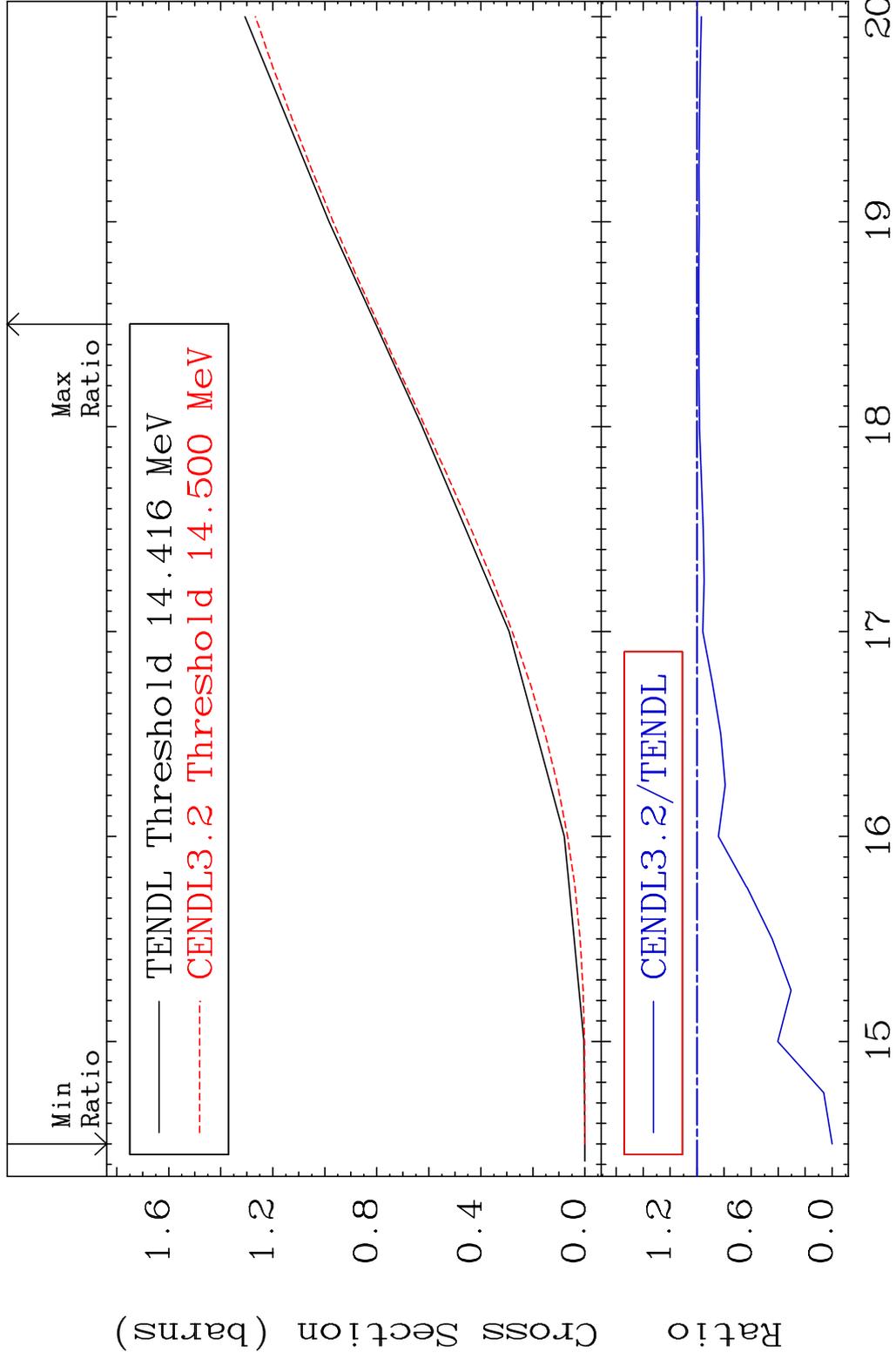


4

Incident Energy (MeV)

83-Bi-209

MAT 8325 (n,3n) 83-Bi-209
 Cross Section -100.0 To -1.205%

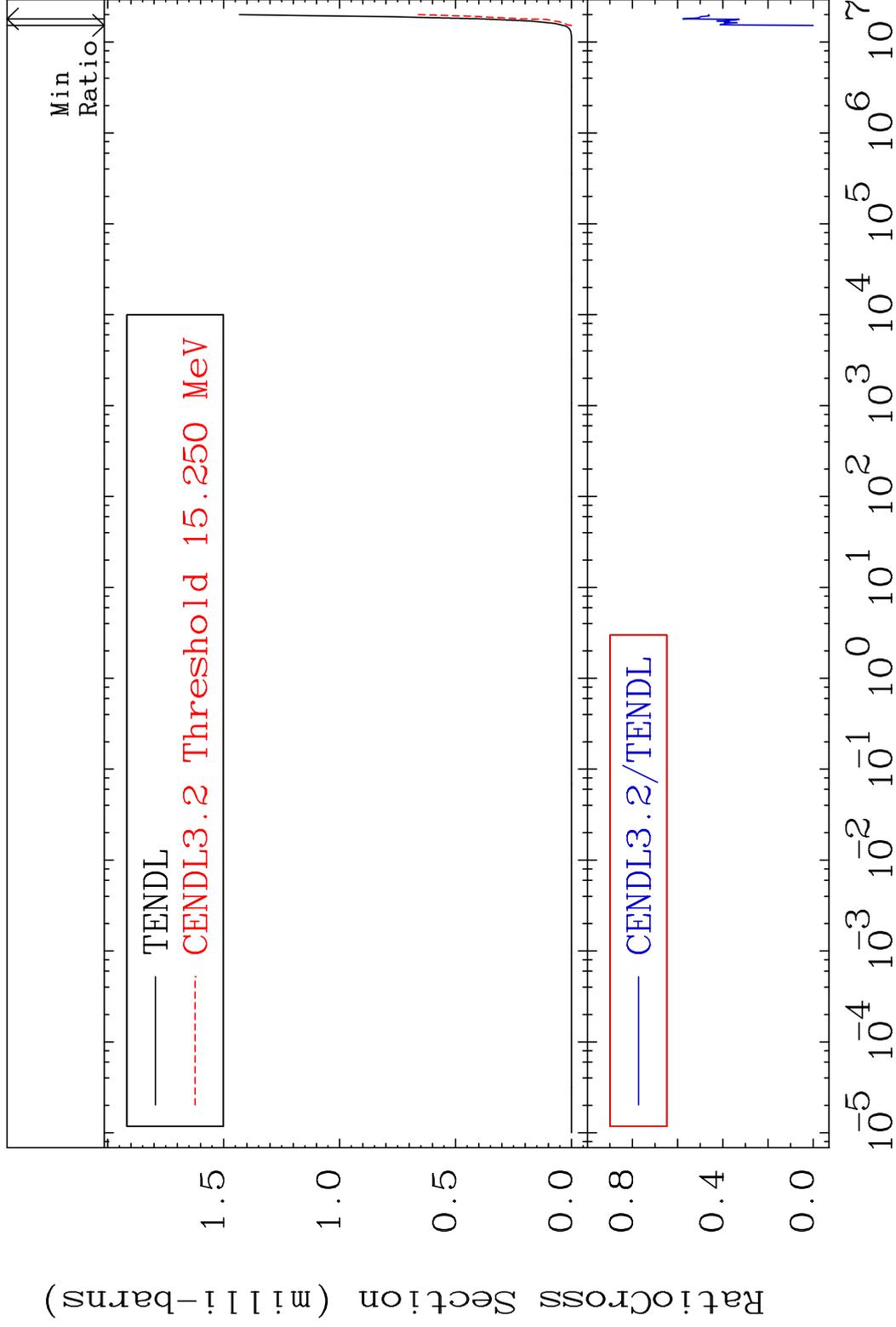


MAT 8325

(n, n') α

83-Bi-209

Cross Section -100.0 To -42.34%



6

Incident Energy (eV)

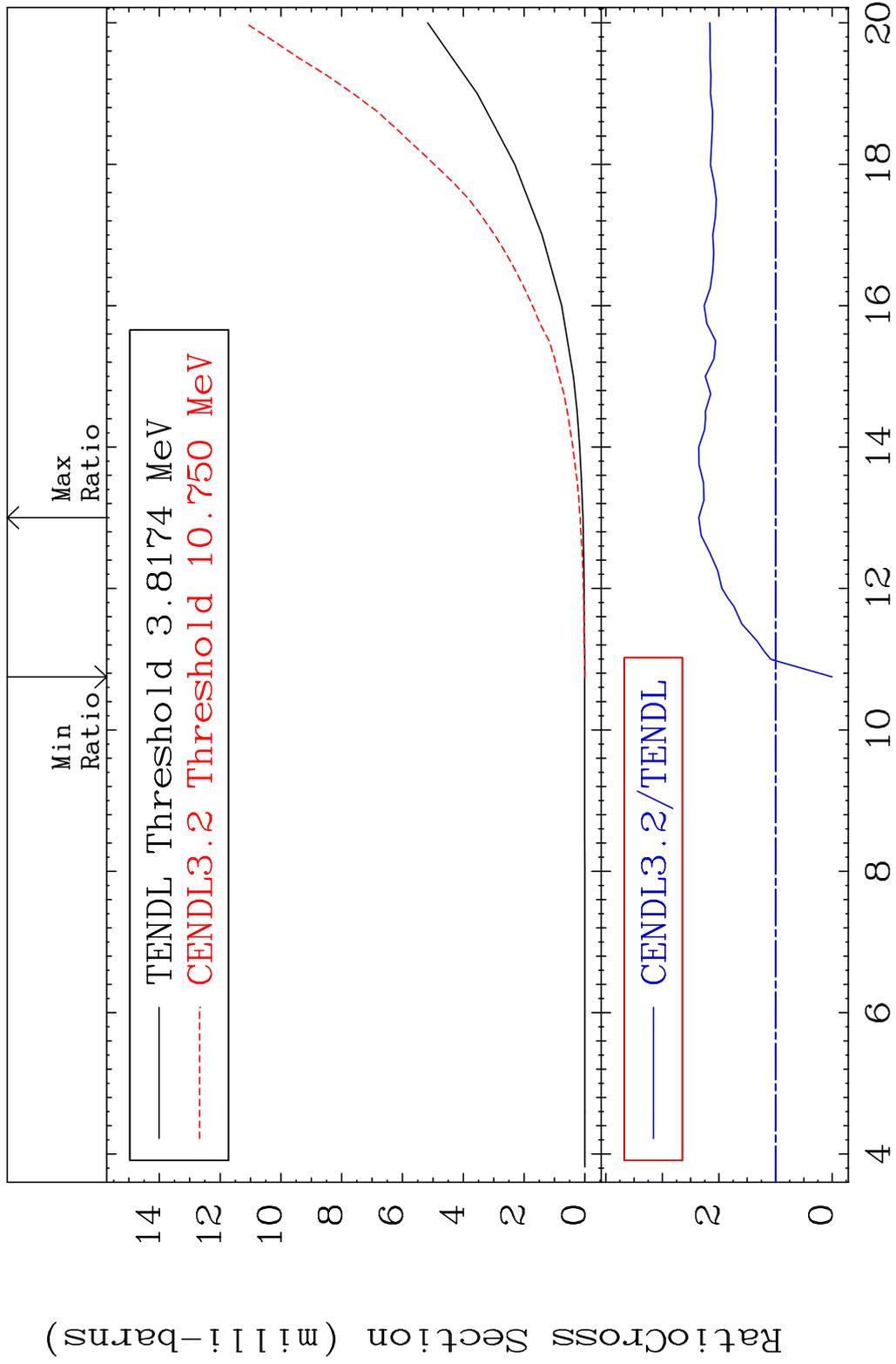
83-Bi-209

MAT 8325

(n, n') p

83-Bi-209

Cross Section -100.0 To 135.7 %

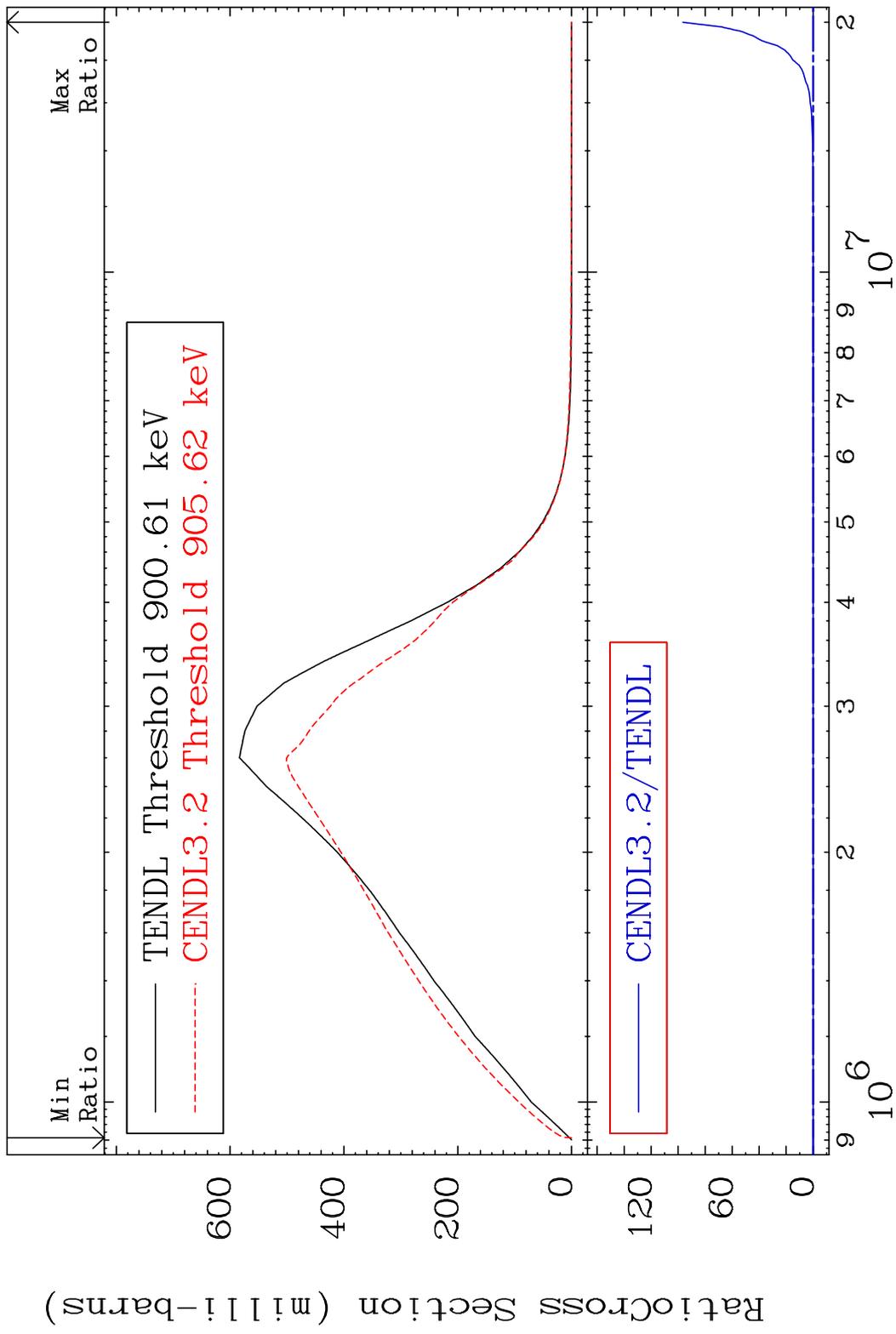


7

Incident Energy (MeV)

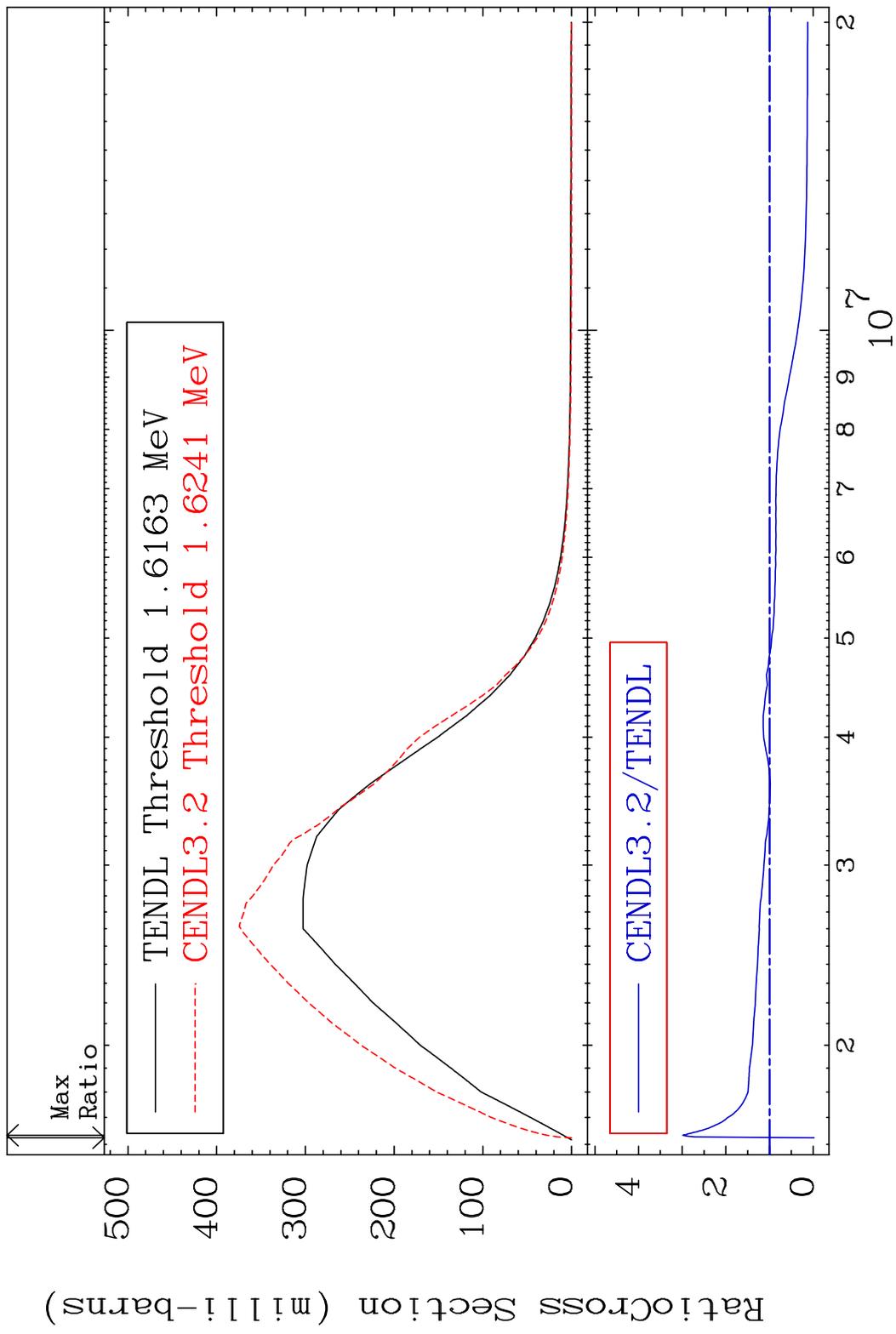
83-Bi-209

MAT 8325 MT= 51 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %

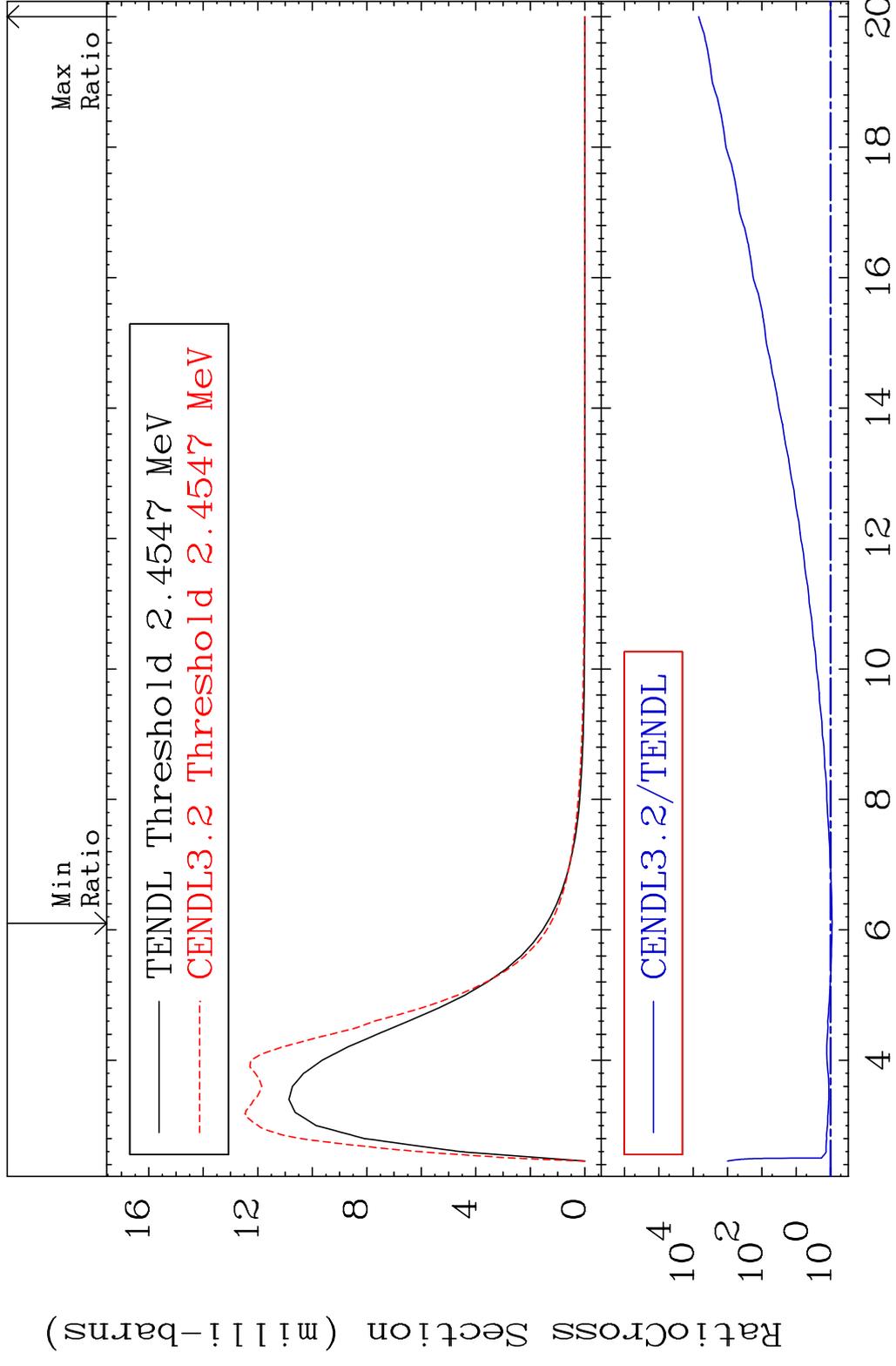


8 8 83-Bi-209

MAT 8325 MT= 52 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 198.5 %

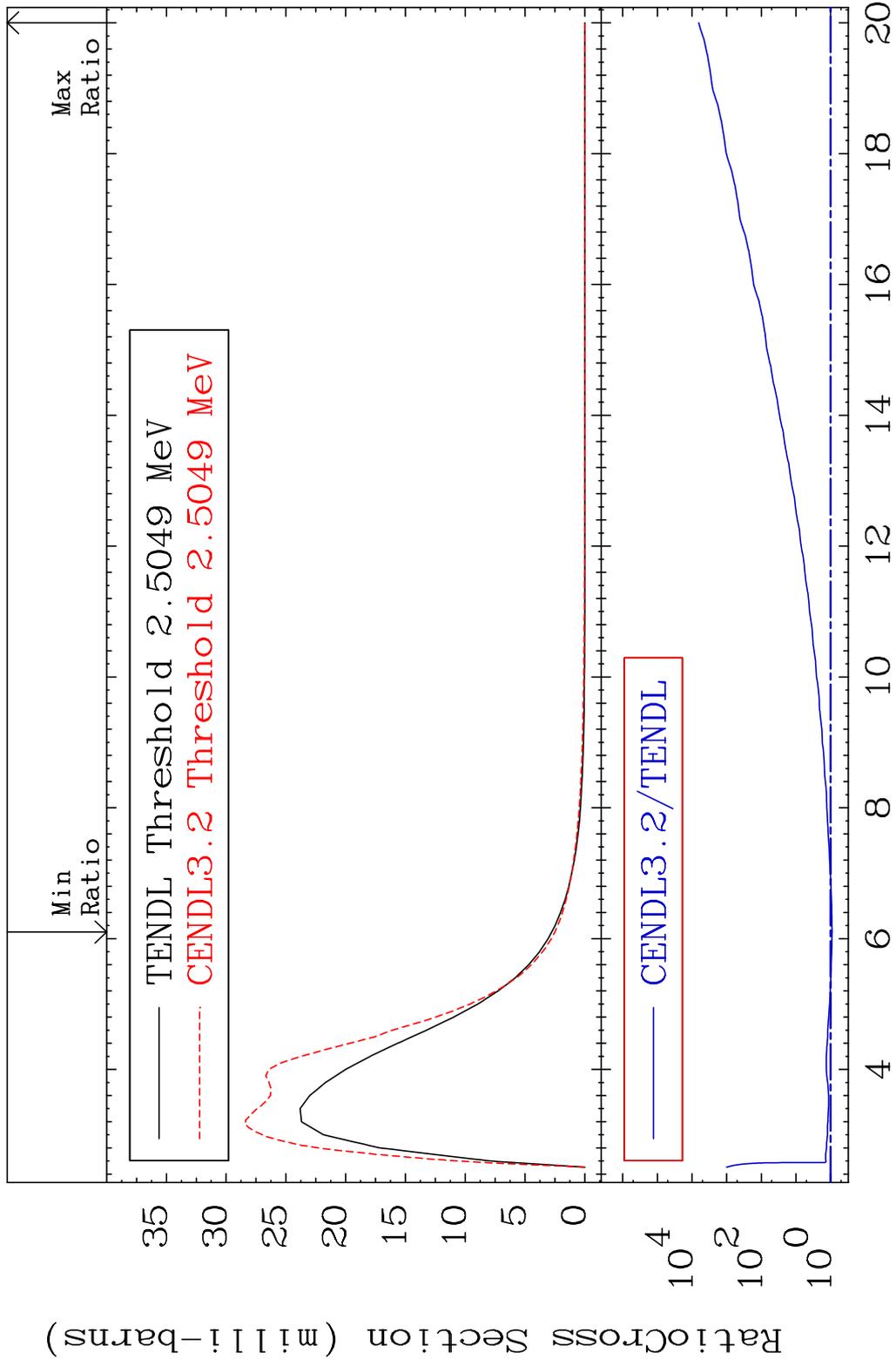


MAT 8325 MT= 53 (n,n') Level 83-Bi-209
 Cross Section -10.39 To 9999. %

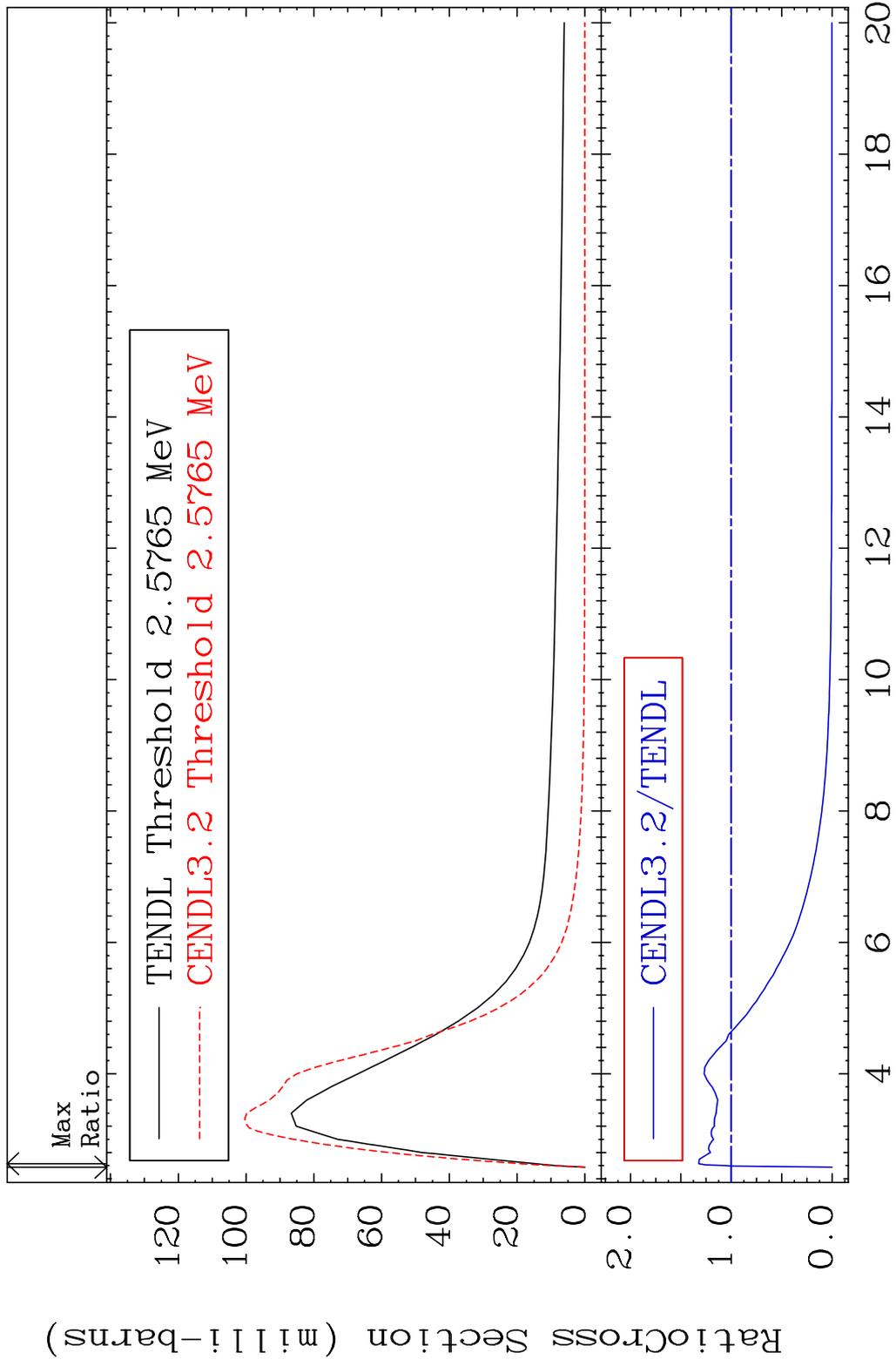


10 Incident Energy (MeV) 83-Bi-209

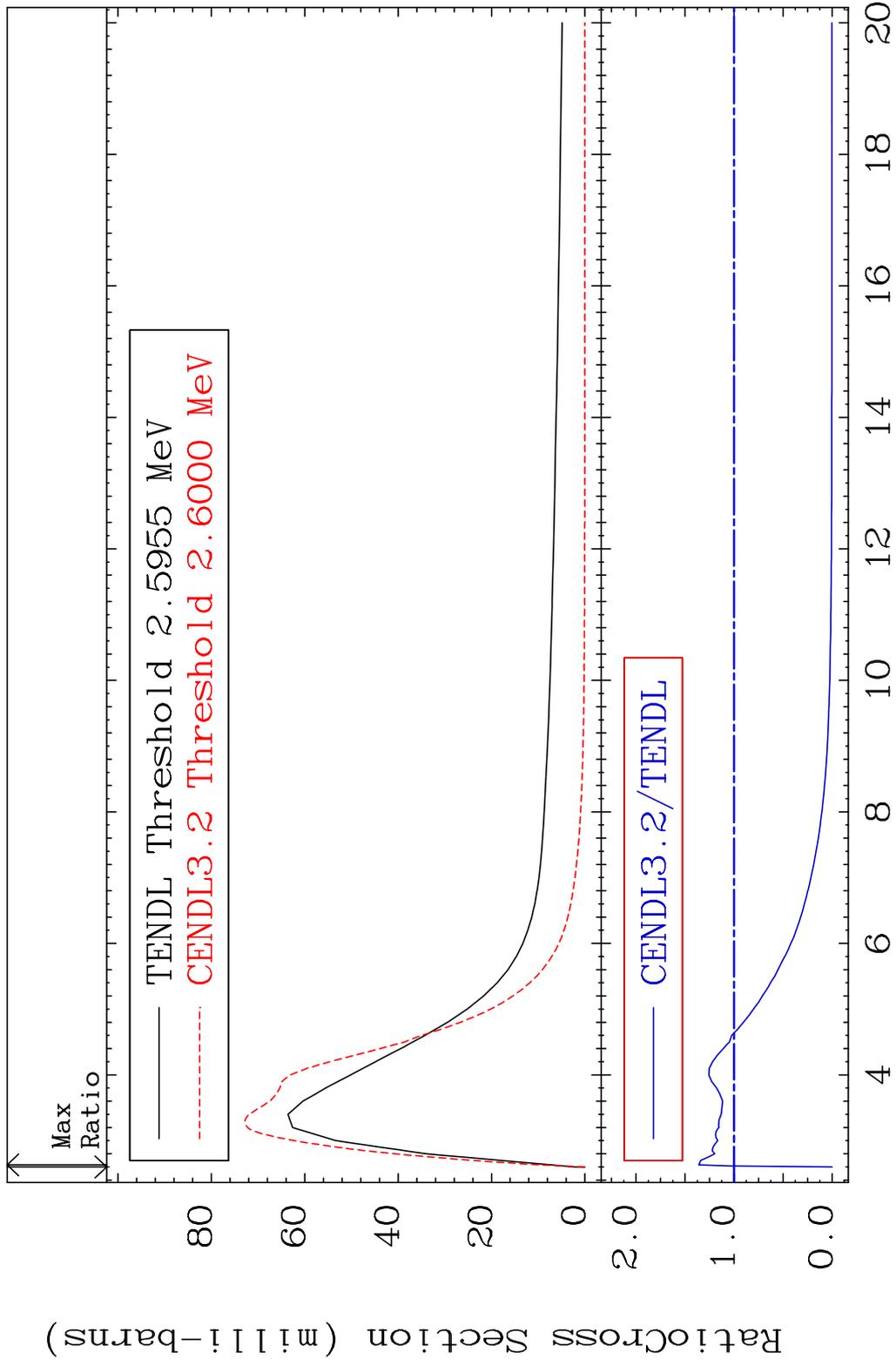
MAT 8325 MT= 54 (n,n') Level 83-Bi-209
 Cross Section -9.596 To 9999. %



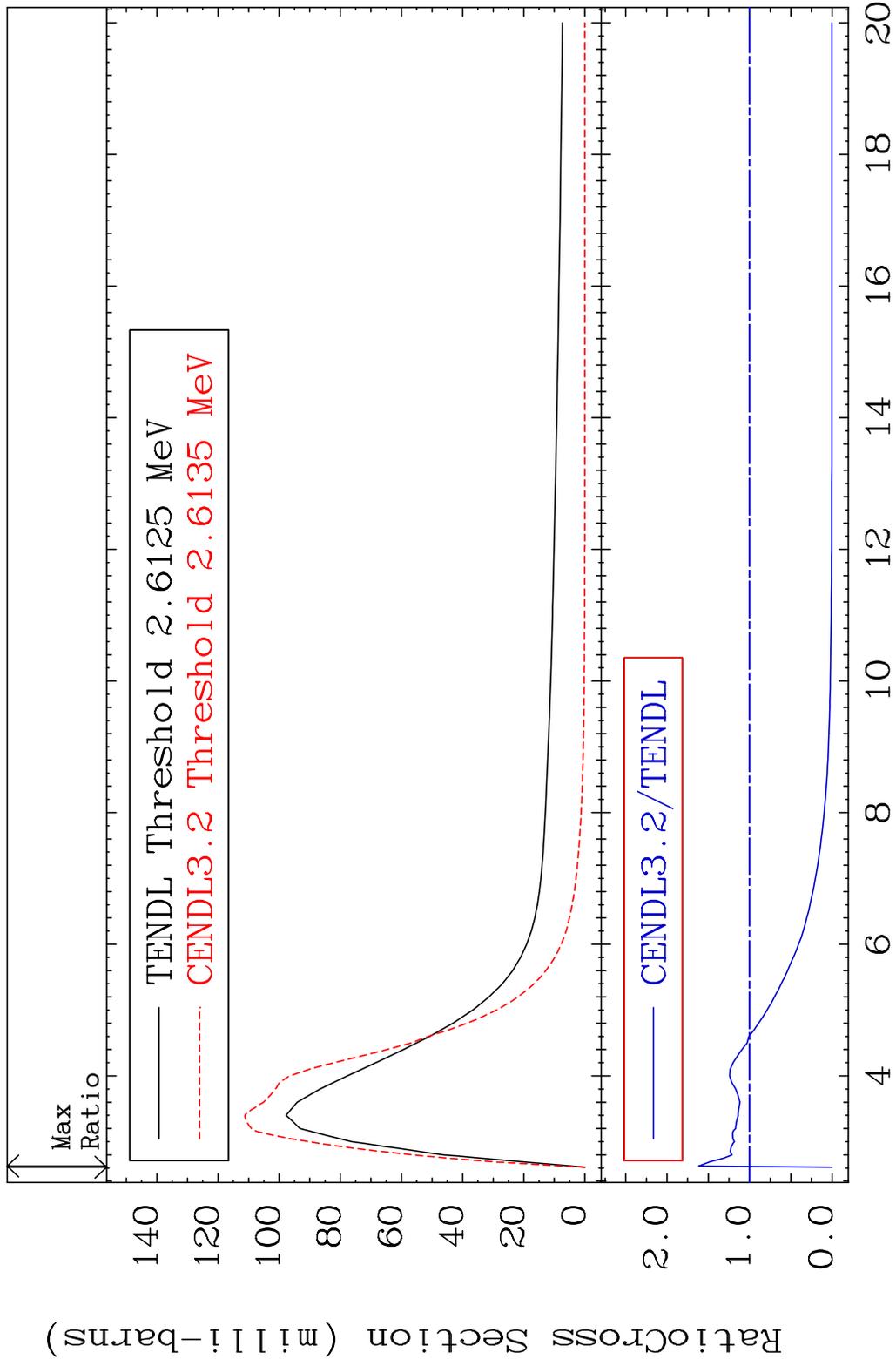
MAT 8325 MT= 55 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 32.30 %



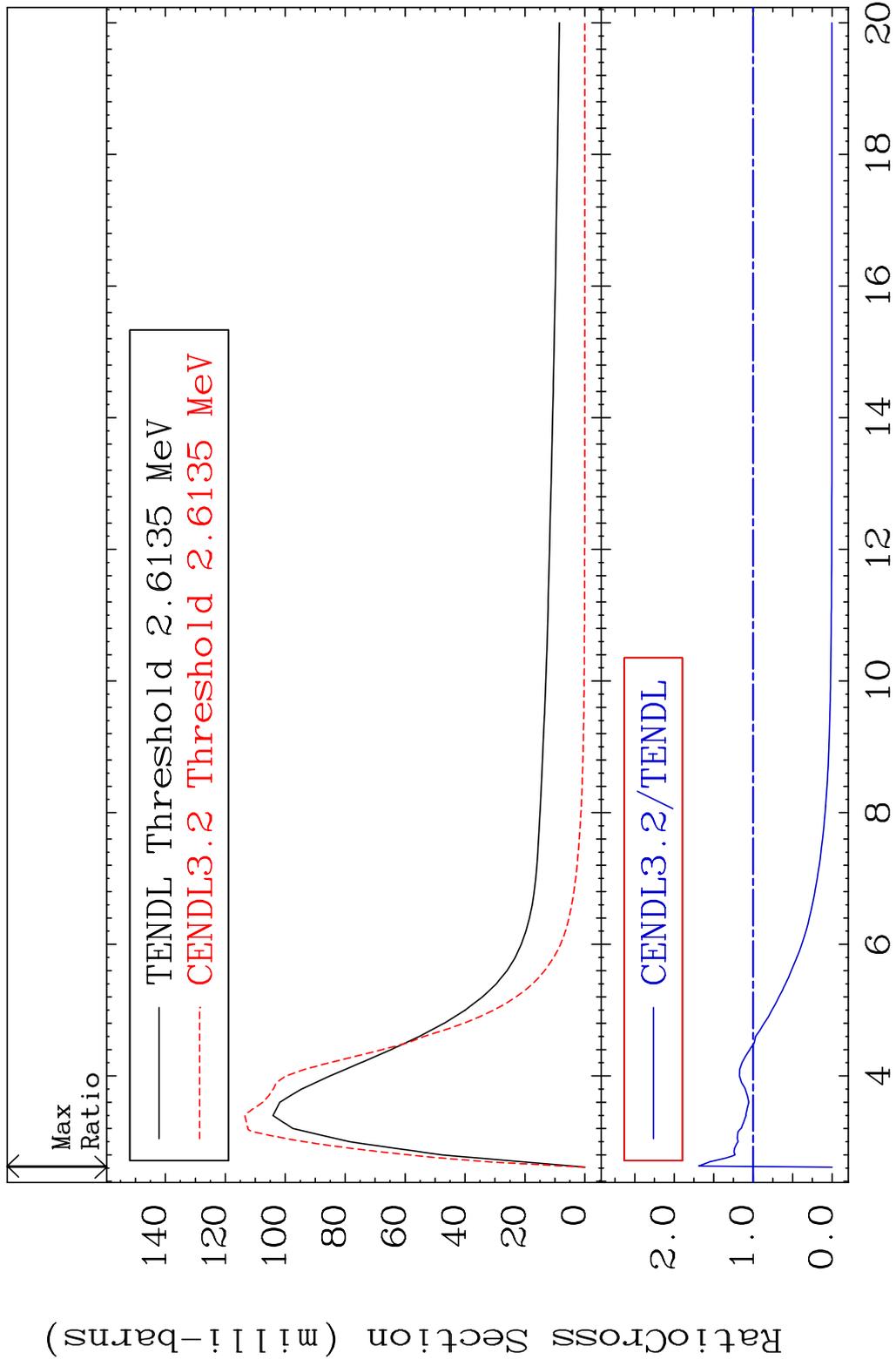
MAT 8325 MT= 56 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 36.00 %



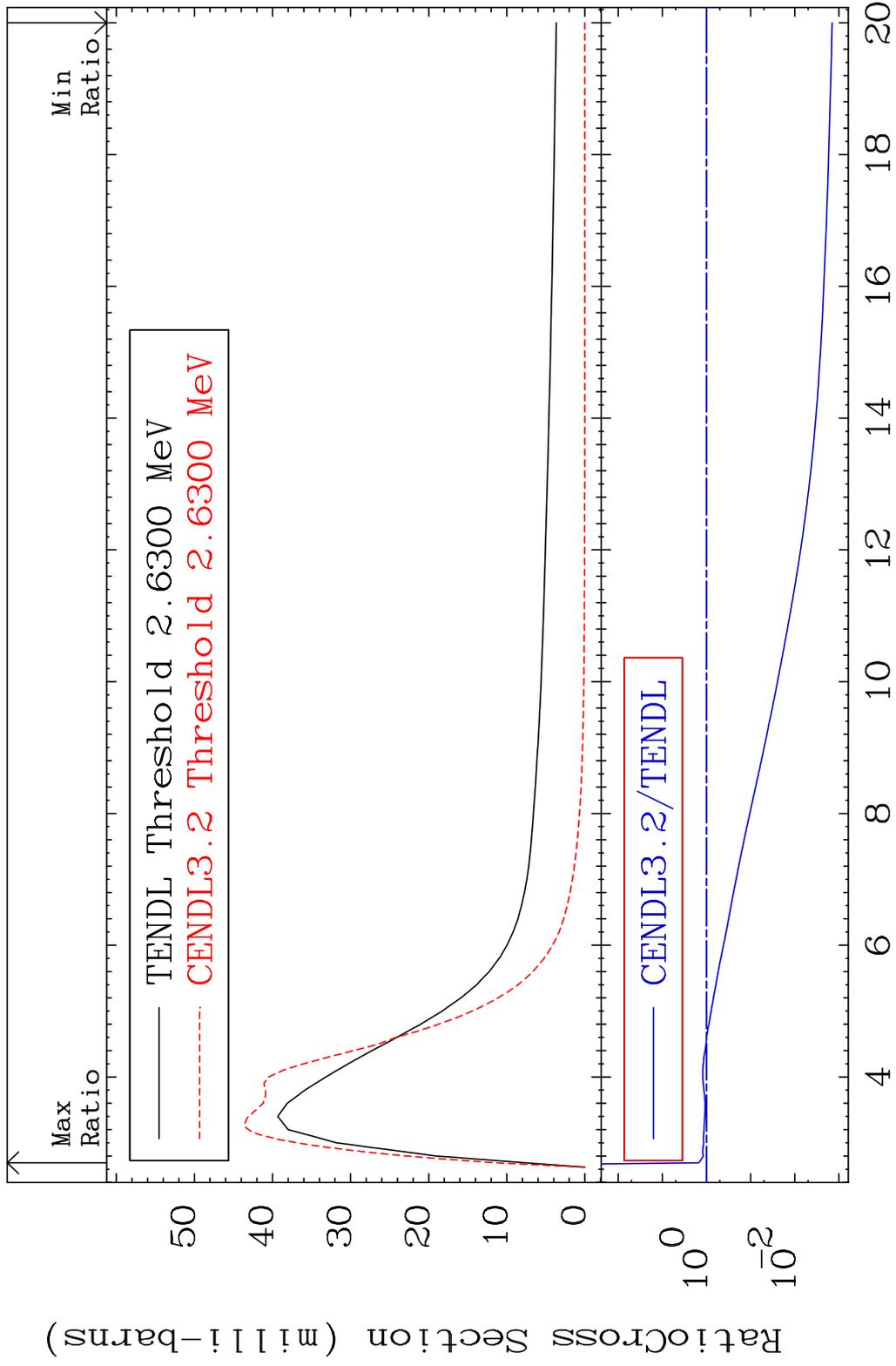
MAT 8325 MT= 57 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 61.54 %



MAT 8325 MT= 58 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 68.94 %

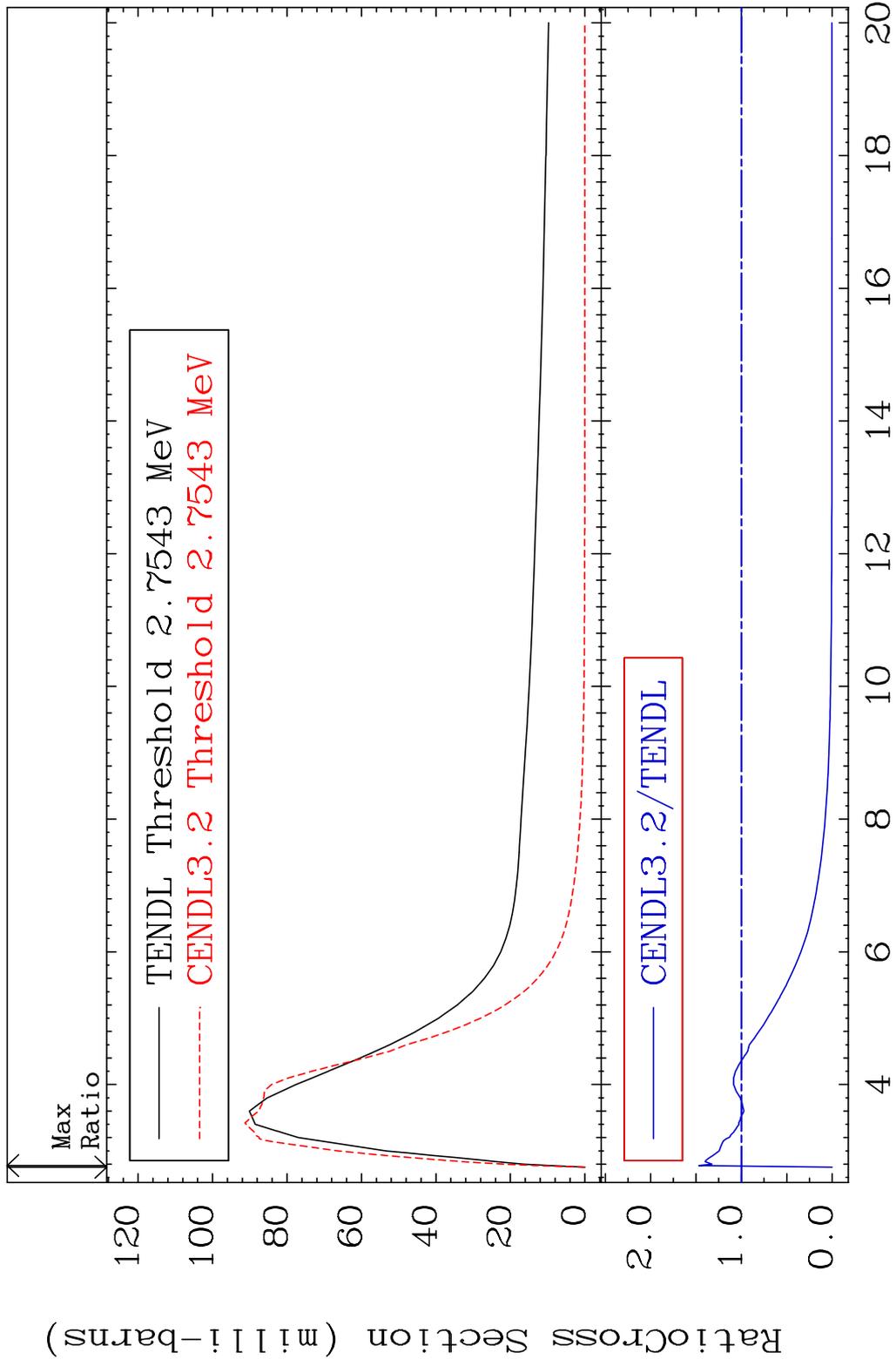


MAT 8325 MT= 59 (n, n') Level 83-Bi-209
 Cross Section -99.86 To 50.42 %

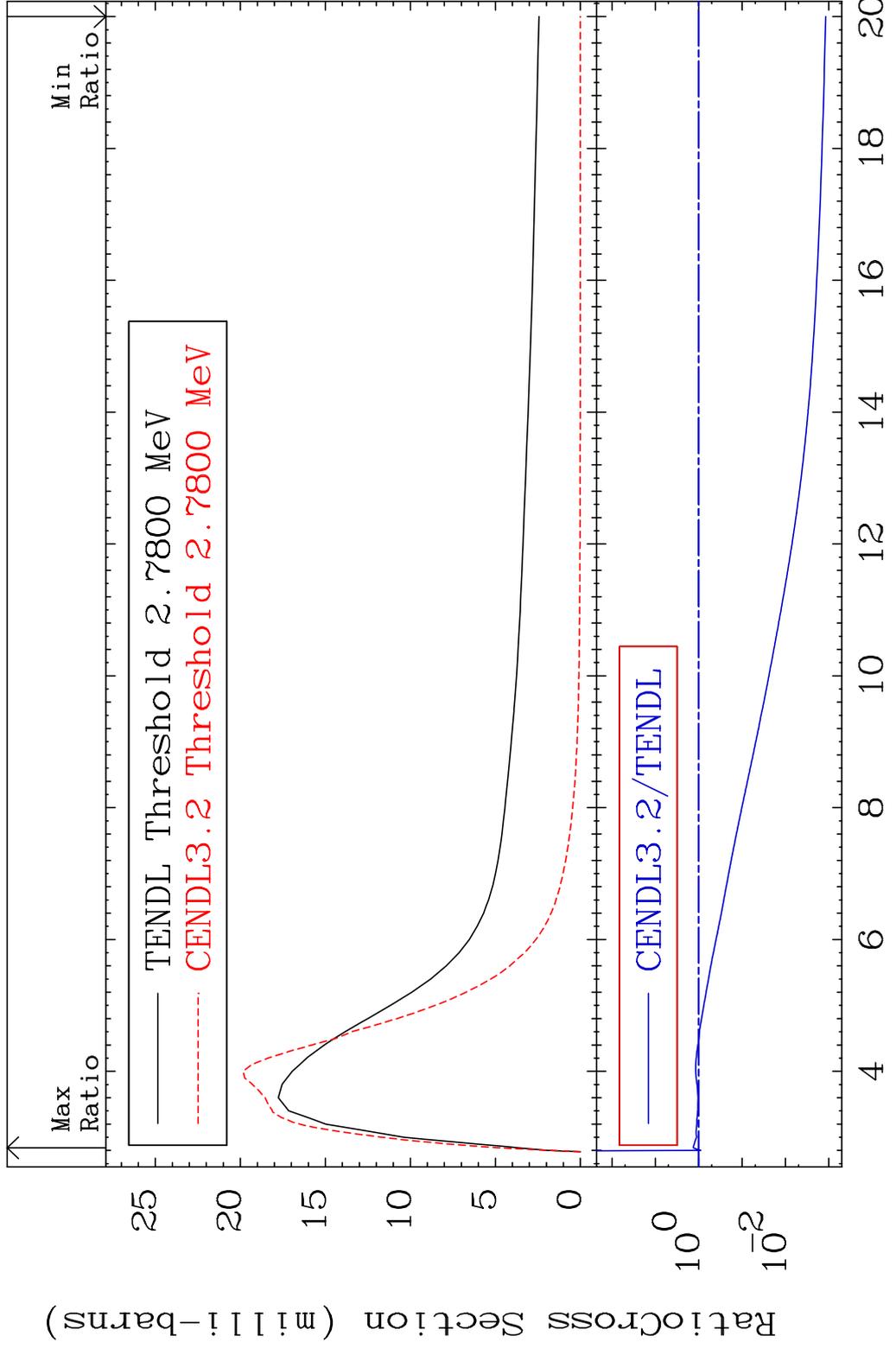


16 Incident Energy (MeV) 83-Bi-209

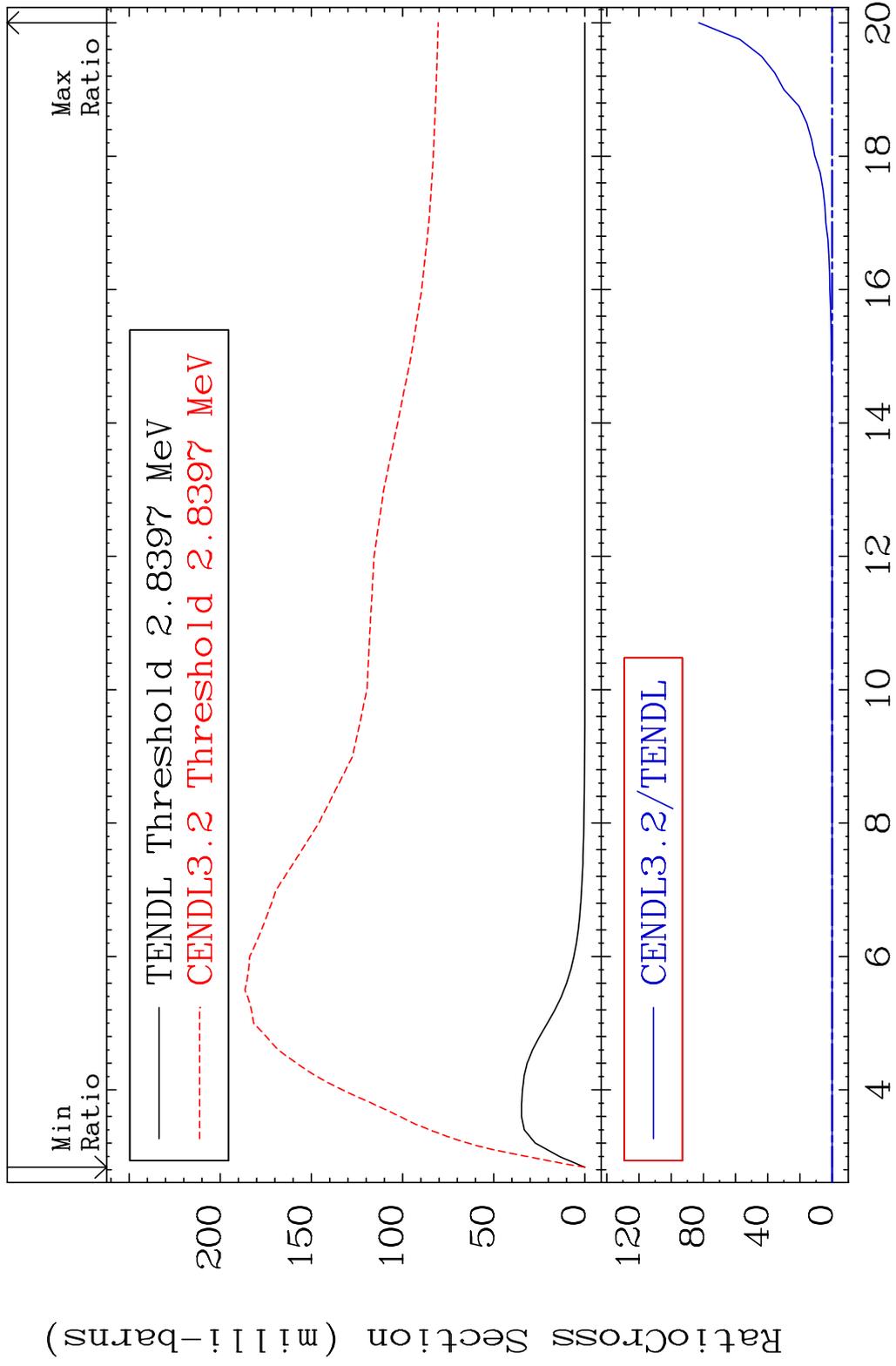
MAT 8325 MT= 60 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 46.97 %



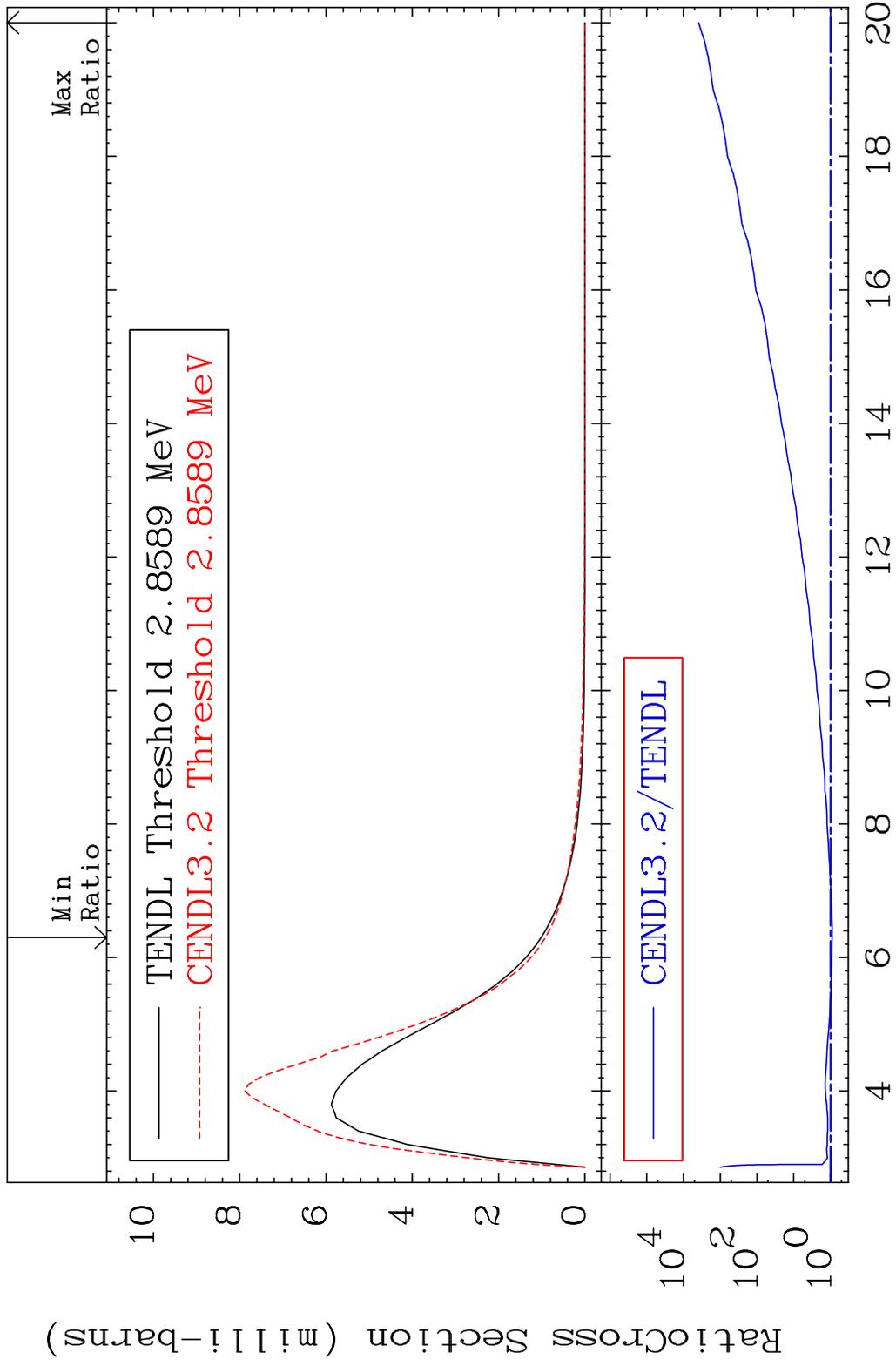
MAT 8325 MT= 61 (n,n') Level 83-Bi-209
 Cross Section -99.88 To 33.32 %



MAT 8325 MT= 62 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %

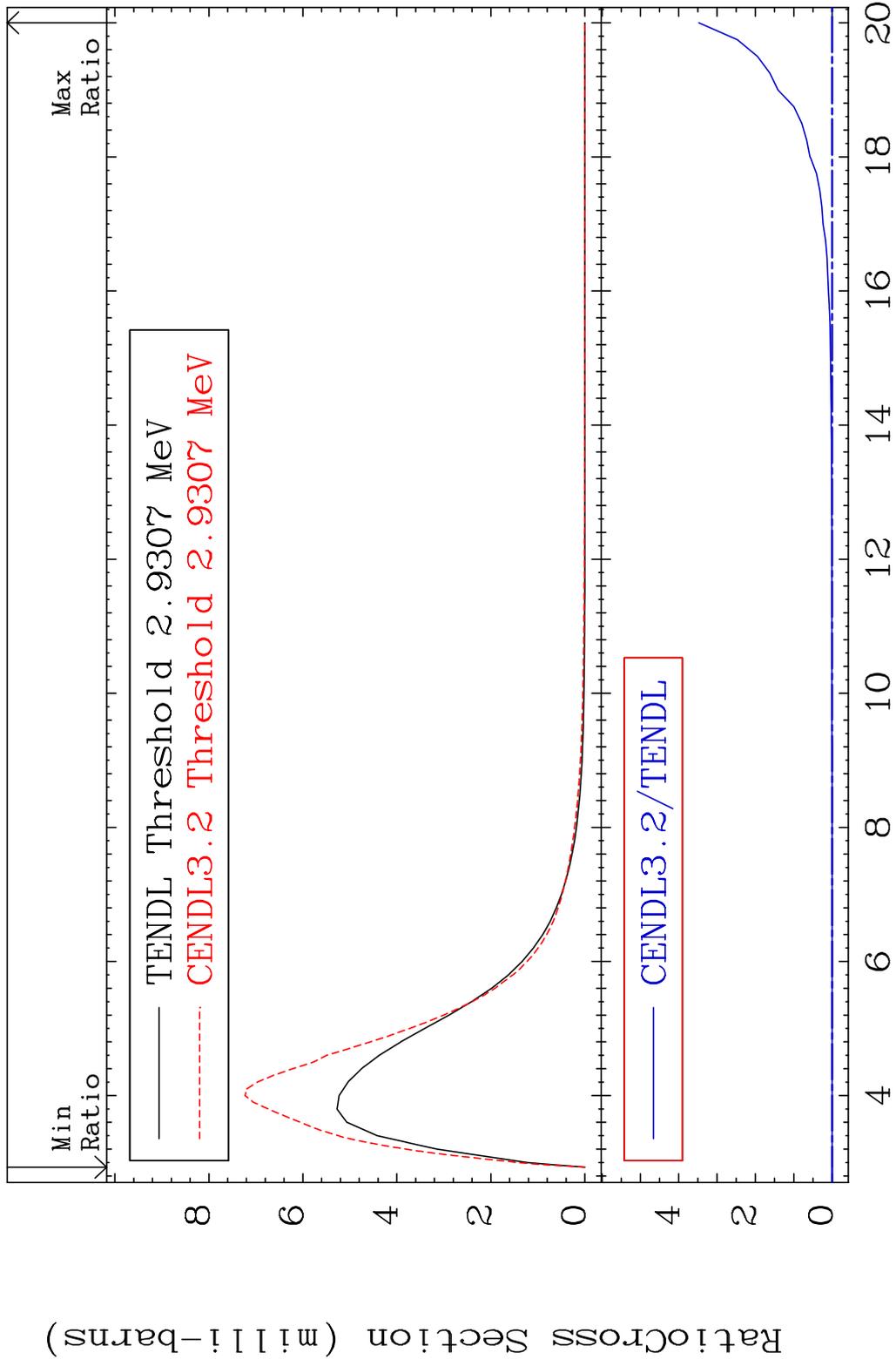


MAT 8325 MT= 63 (n,n') Level 83-Bi-209
 Cross Section -10.09 To 9999. %

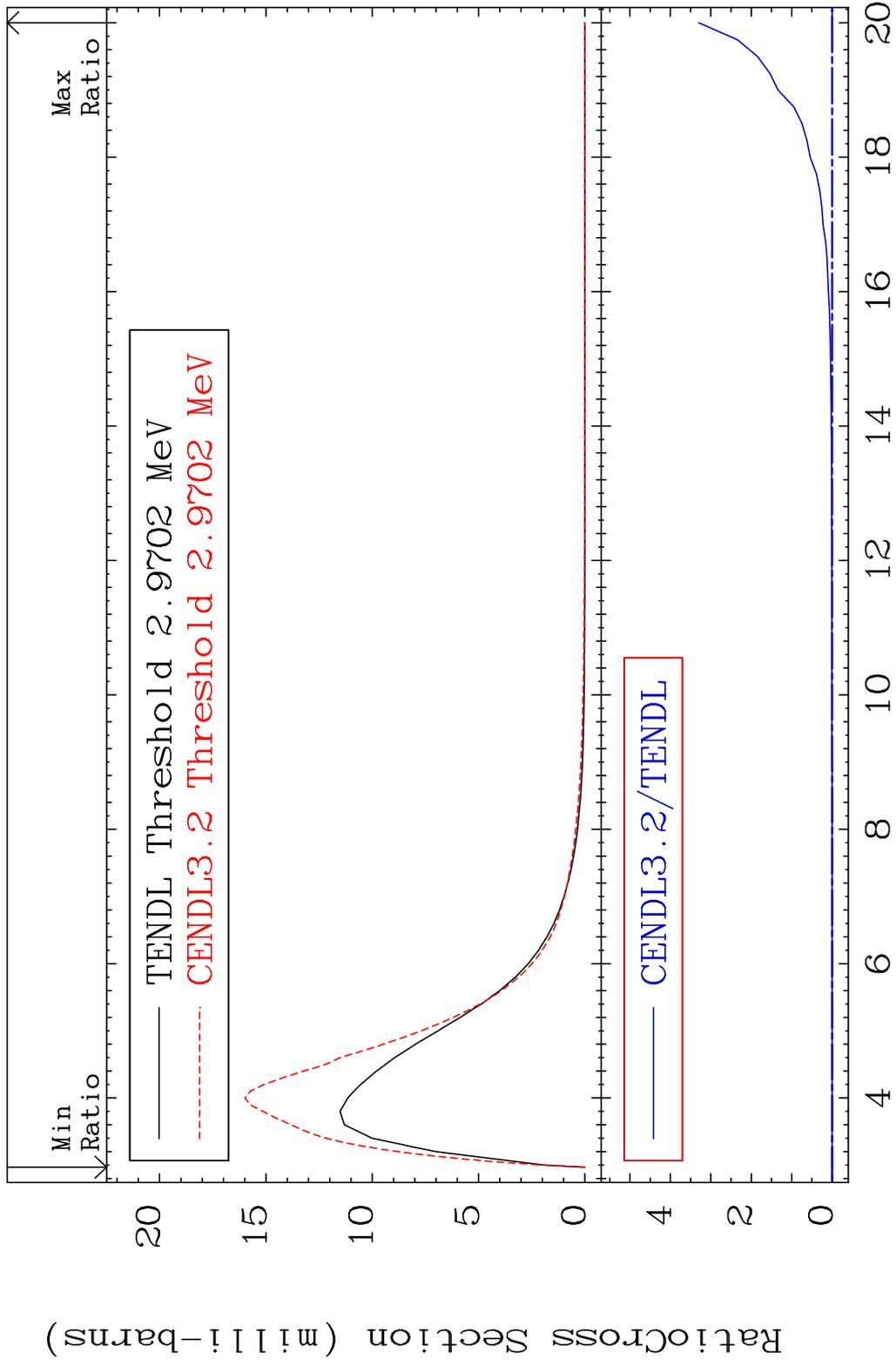


20 Incident Energy (MeV) 83-Bi-209

MAT 8325 MT= 64 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %



MAT 8325 MT= 65 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 9999. %

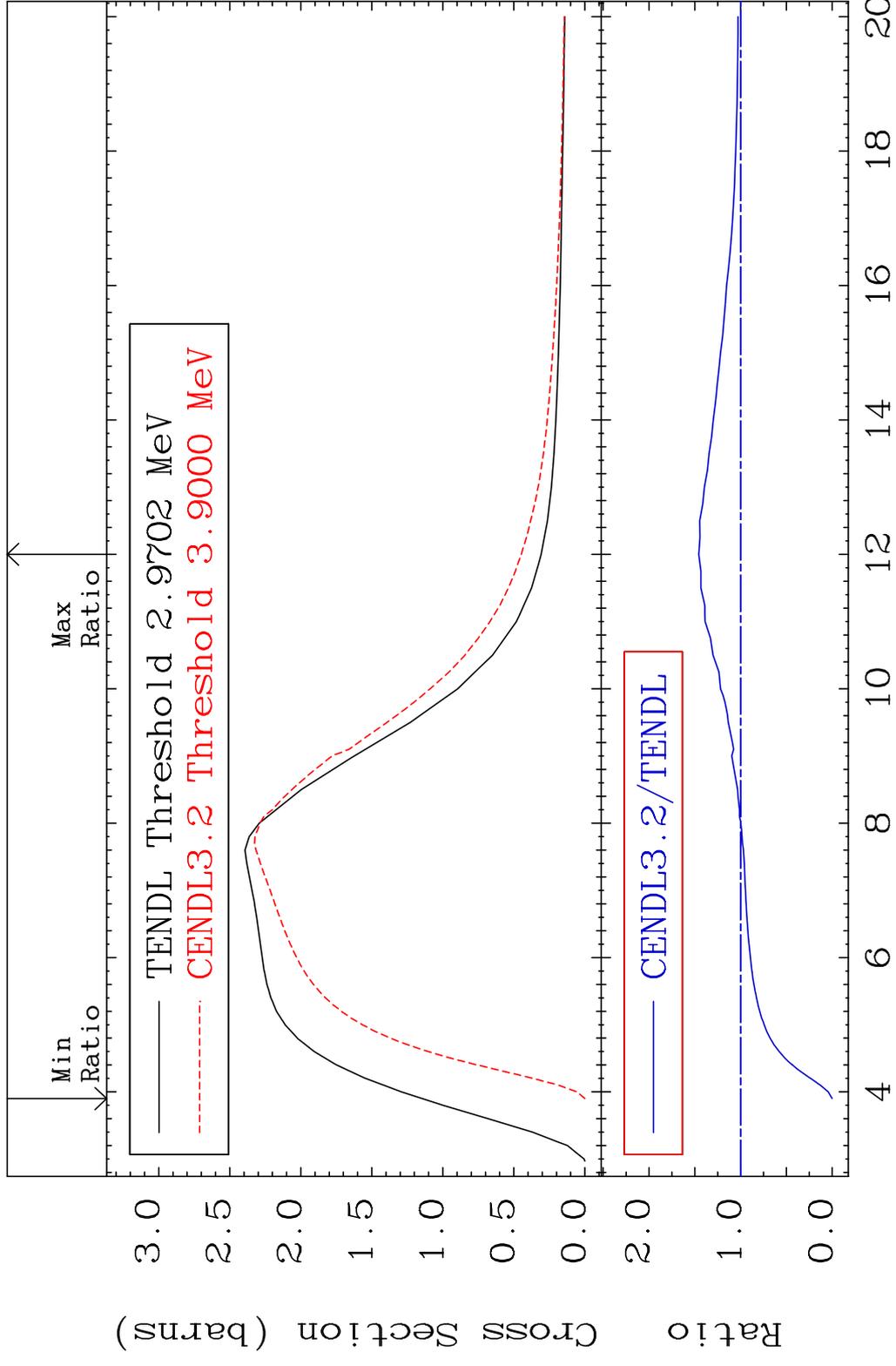


MAT 8325

(n, n') Continuum

83-Bi-209

Cross Section -100.0 To 45.60 %



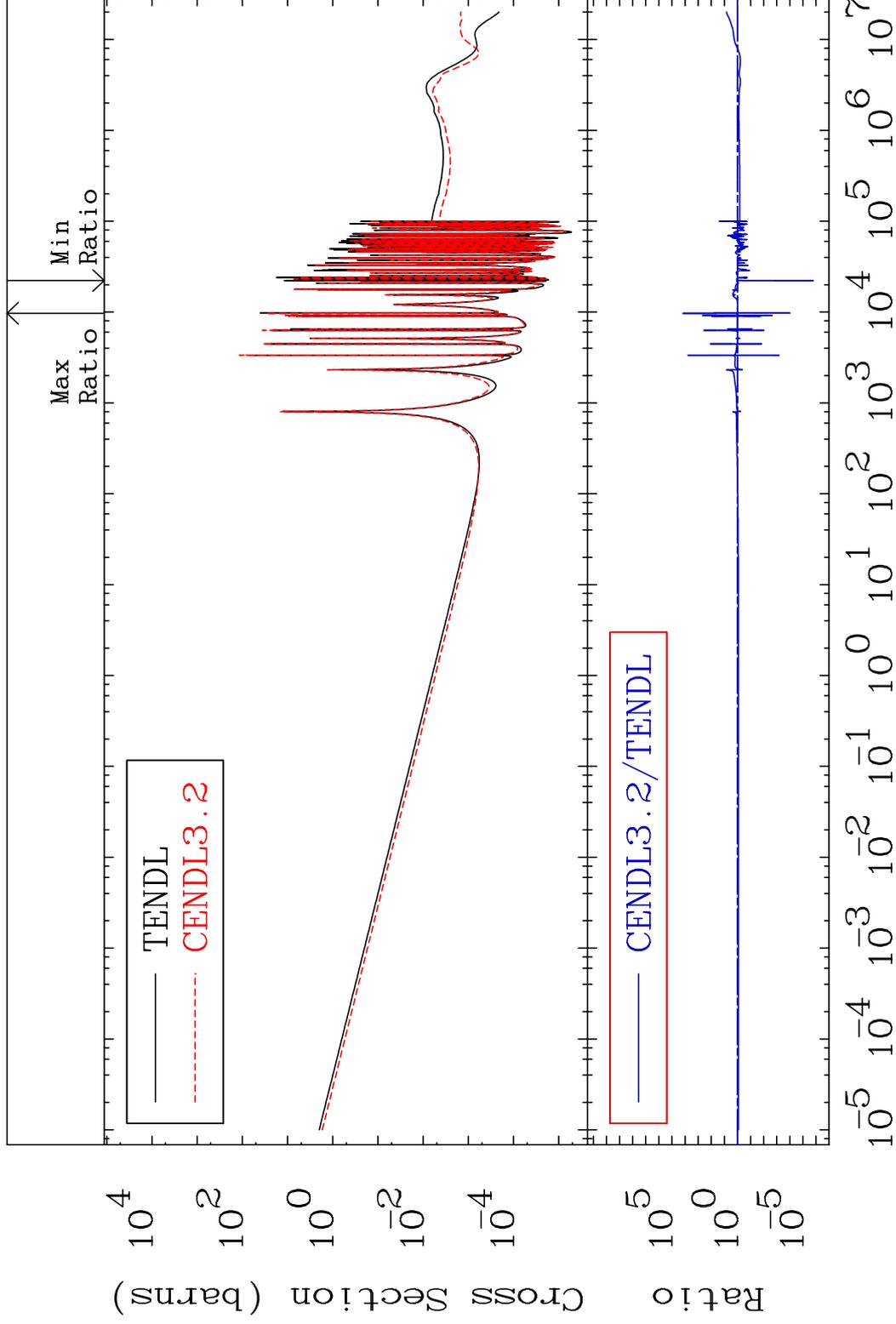
MAT 8325

(n, γ)

83-Bi-209

Cross Section

-100.0 To 9999. %



24

Incident Energy (eV)

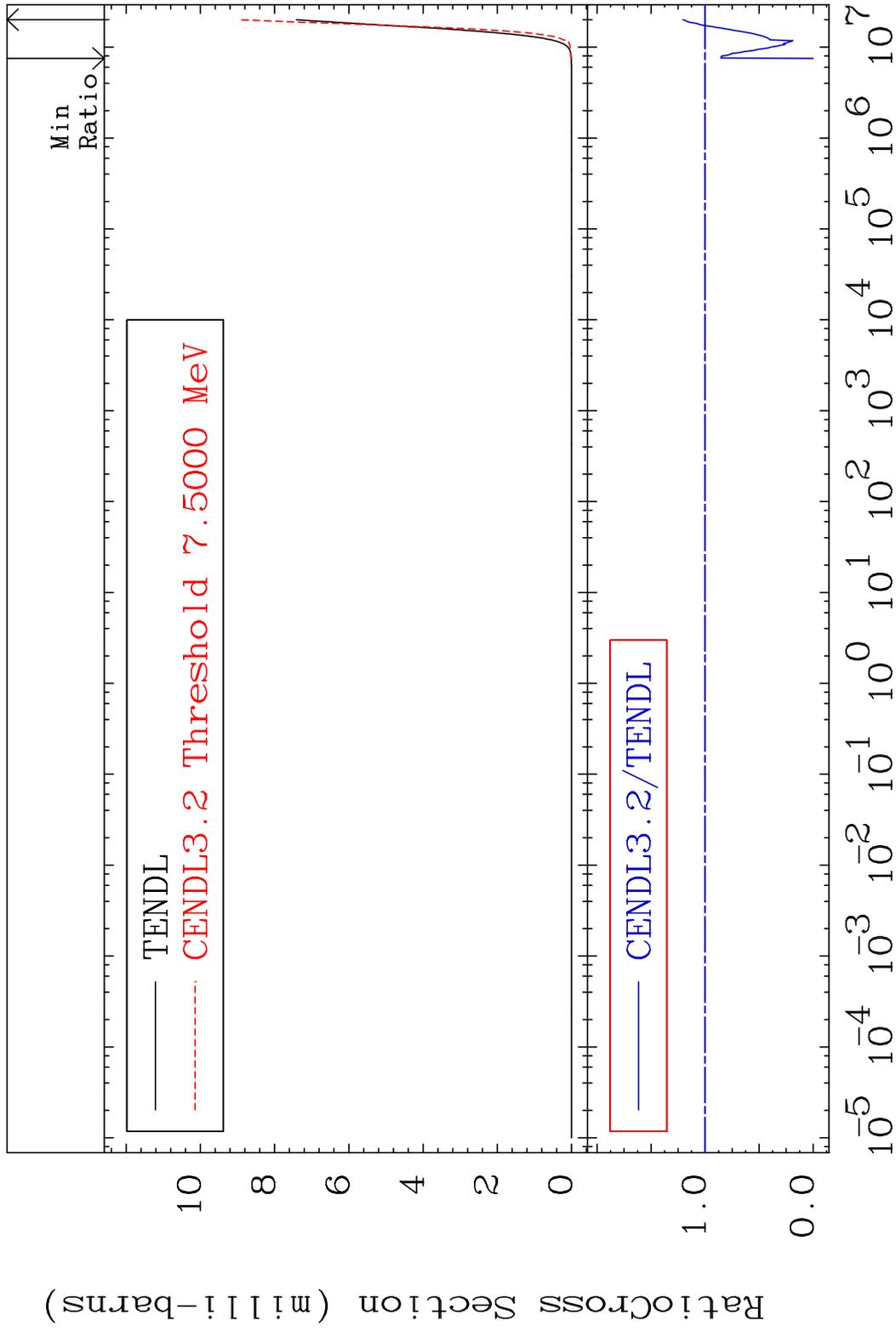
83-Bi-209

MAT 8325

(n, p)

83-Bi-209

Cross Section -100.0 To 20.61 %



25

Incident Energy (eV)

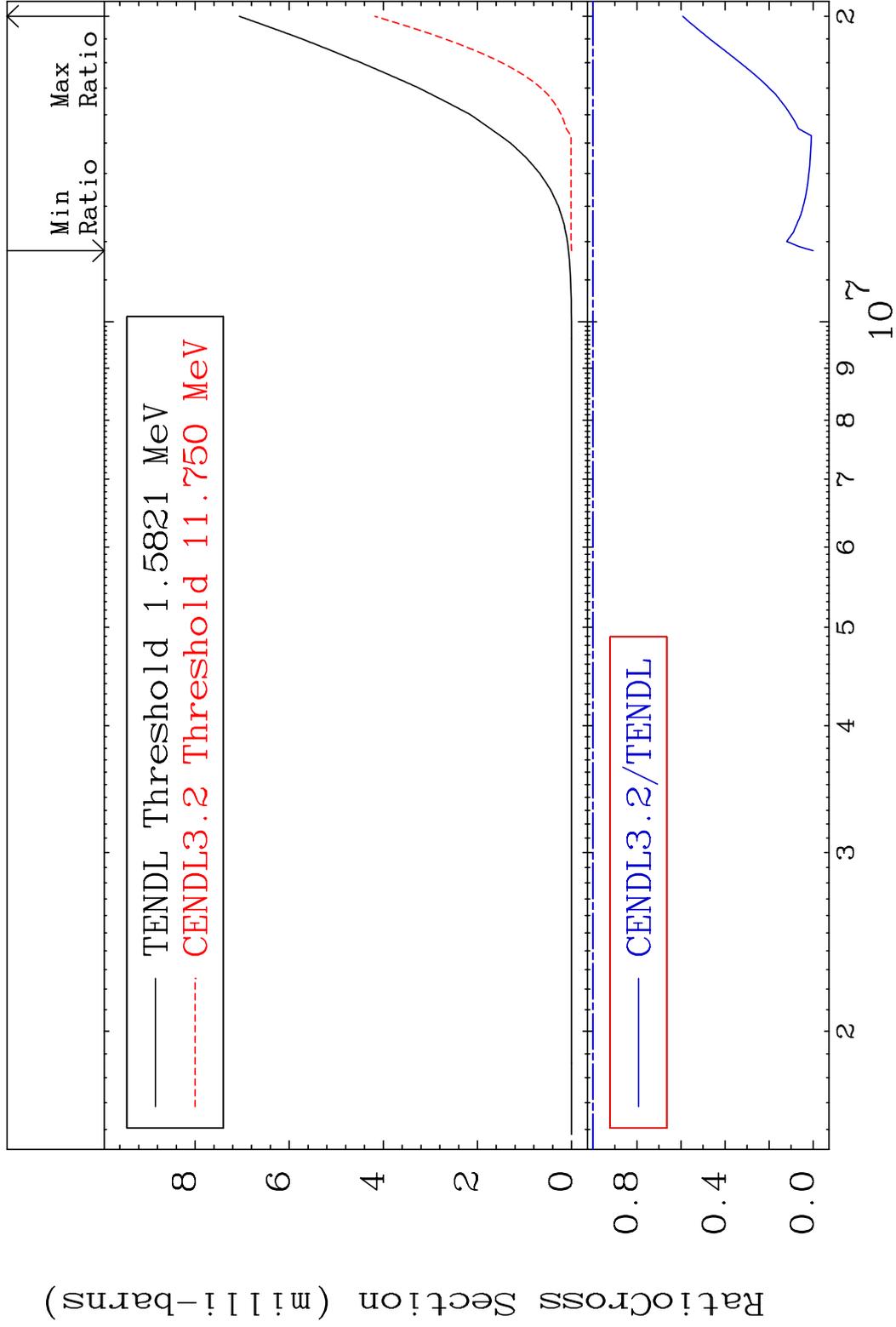
83-Bi-209

MAT 8325

(n, d)

83-Bi-209

Cross Section -100.0 To -40.84%



26

Incident Energy (eV)

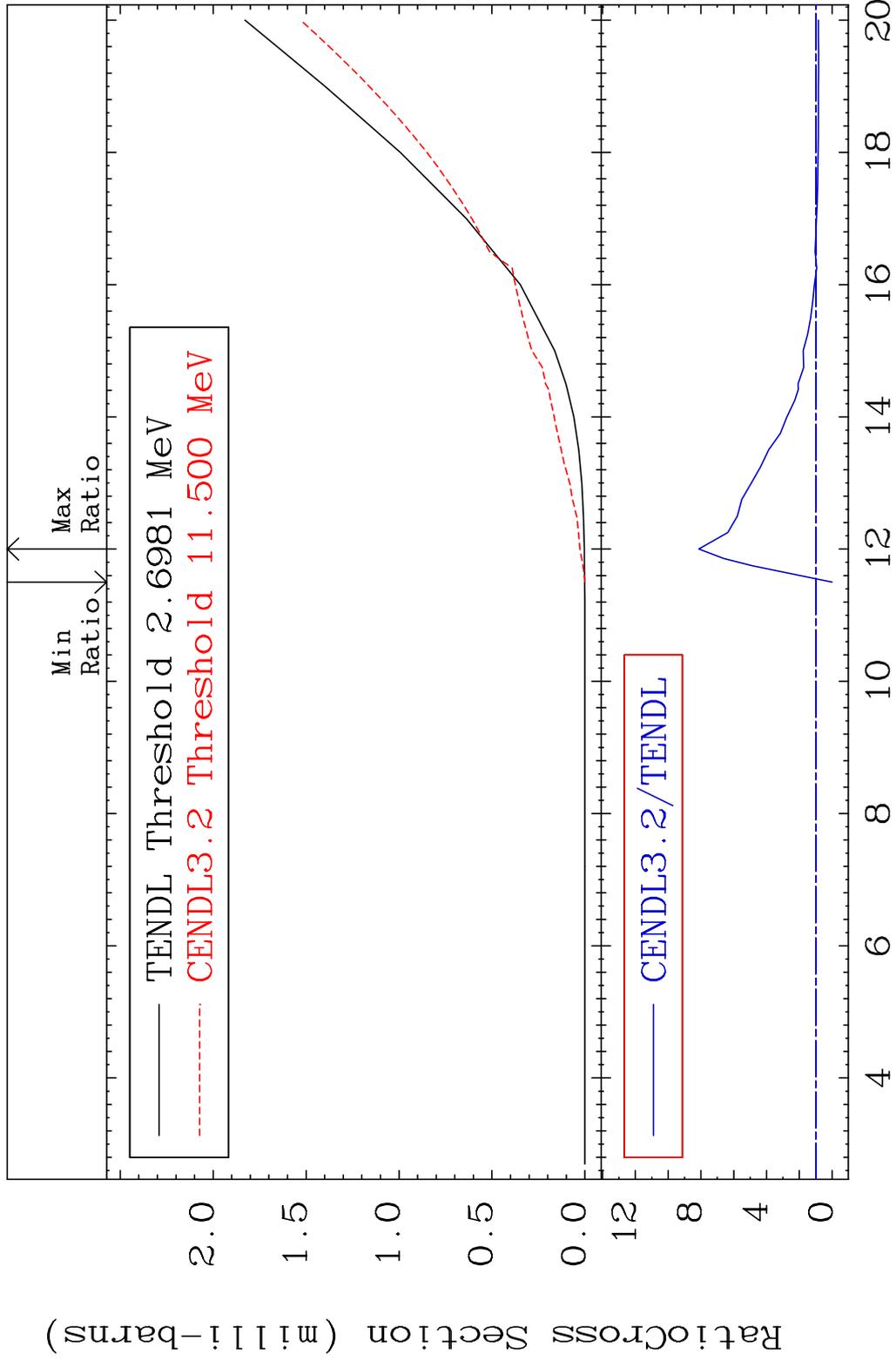
83-Bi-209

MAT 8325

(n, t)

83-Bi-209

Cross Section -100.0 To 713.4 %

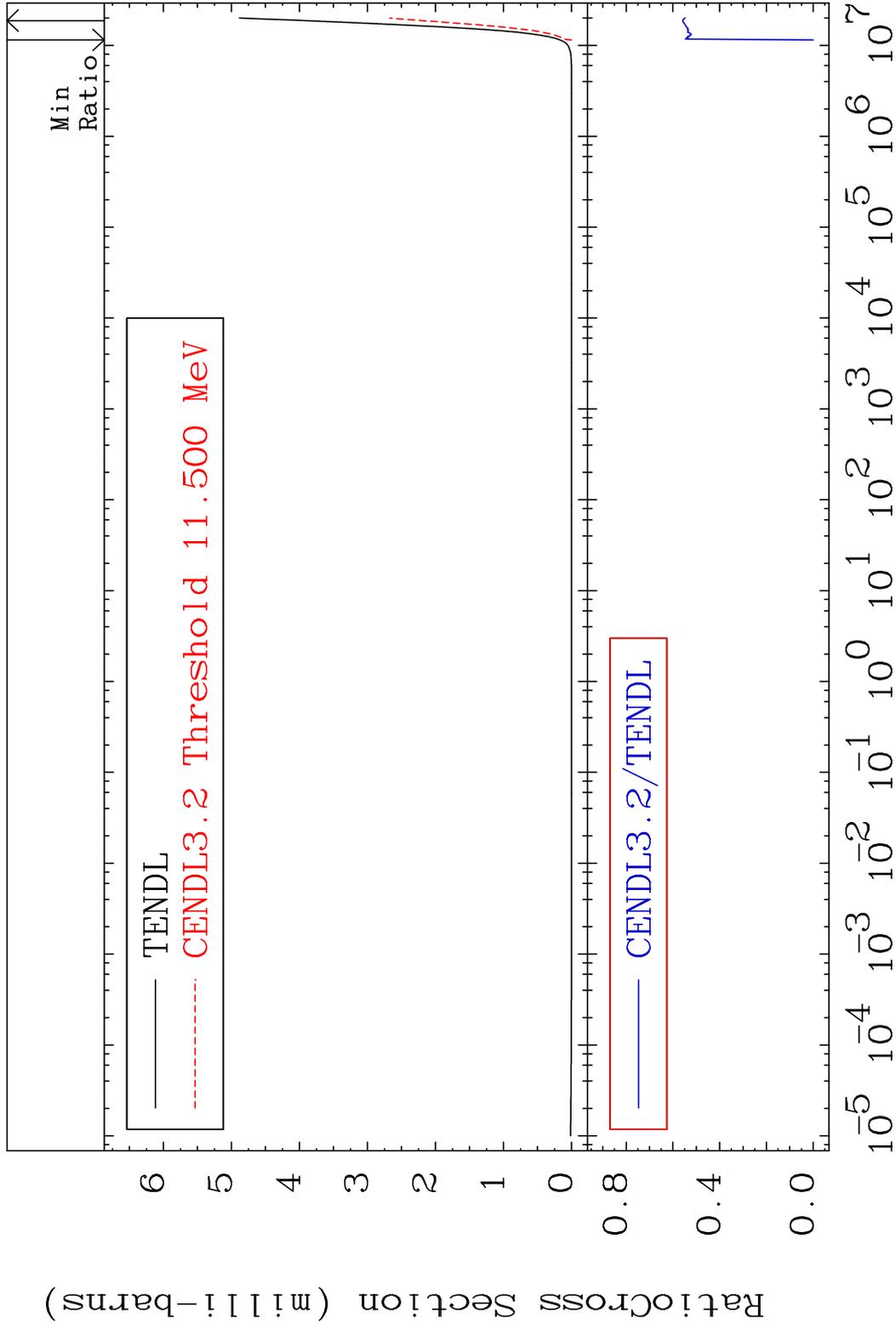


MAT 8325

(n, α)

83-Bi-209

Cross Section -100.0 To -44.24%



28

Incident Energy (eV)

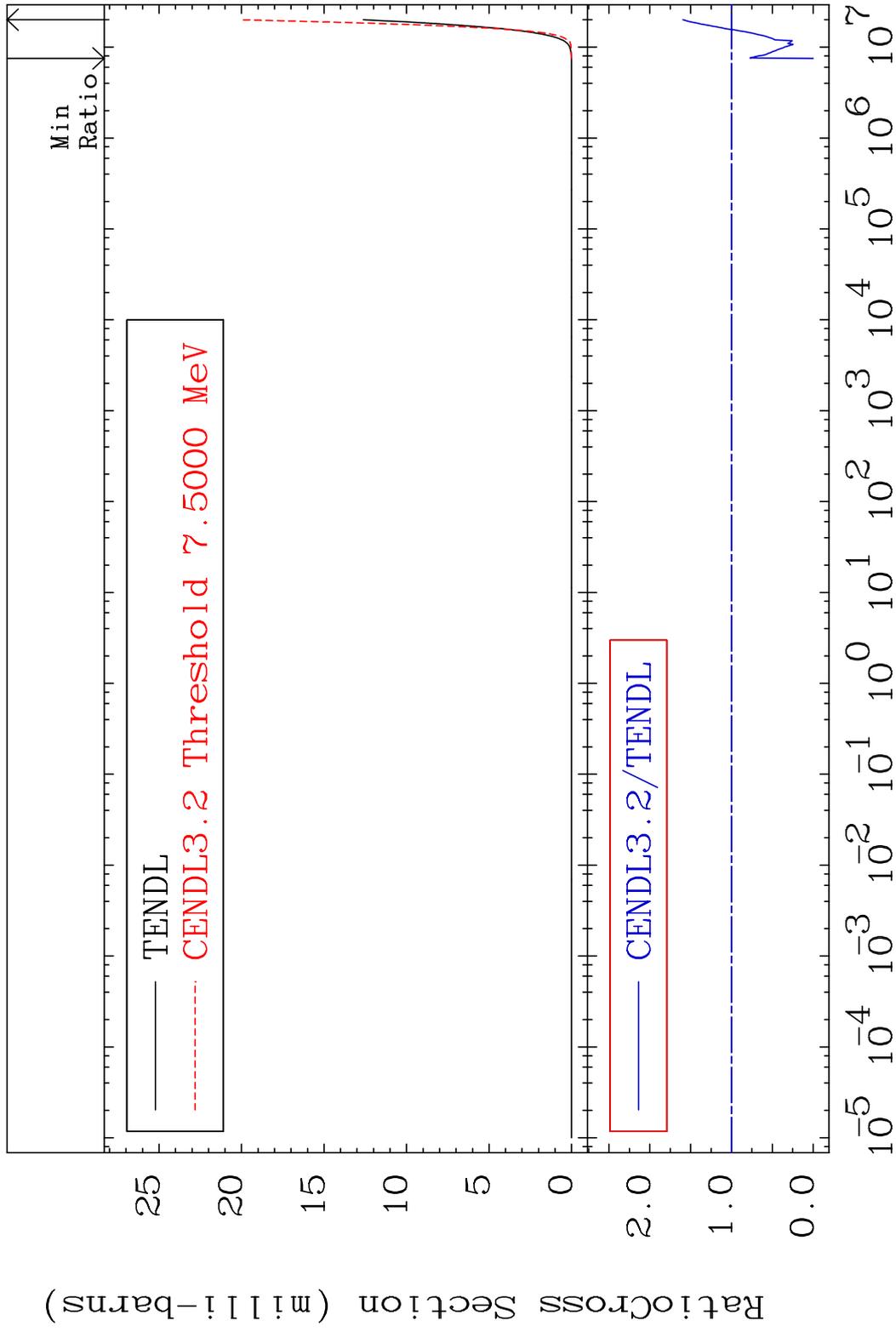
83-Bi-209

MAT 8325

Hydrogen Production

83-Bi-209

Cross Section -100.0 To 59.59 %



29

Incident Energy (eV)

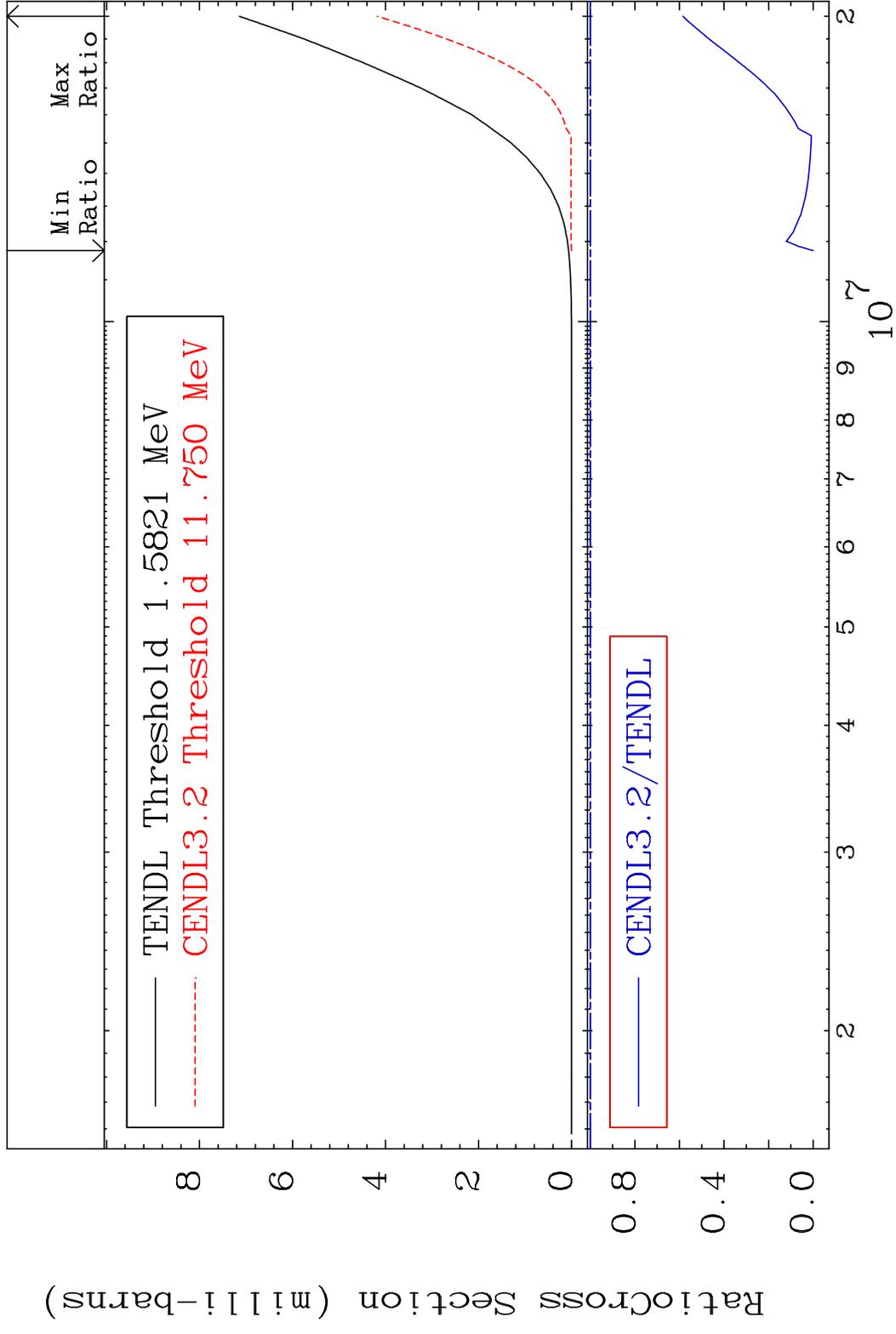
83-Bi-209

MAT 8325

Deuterium Production

83-Bi-209

Cross Section -100.0 To -41.52%

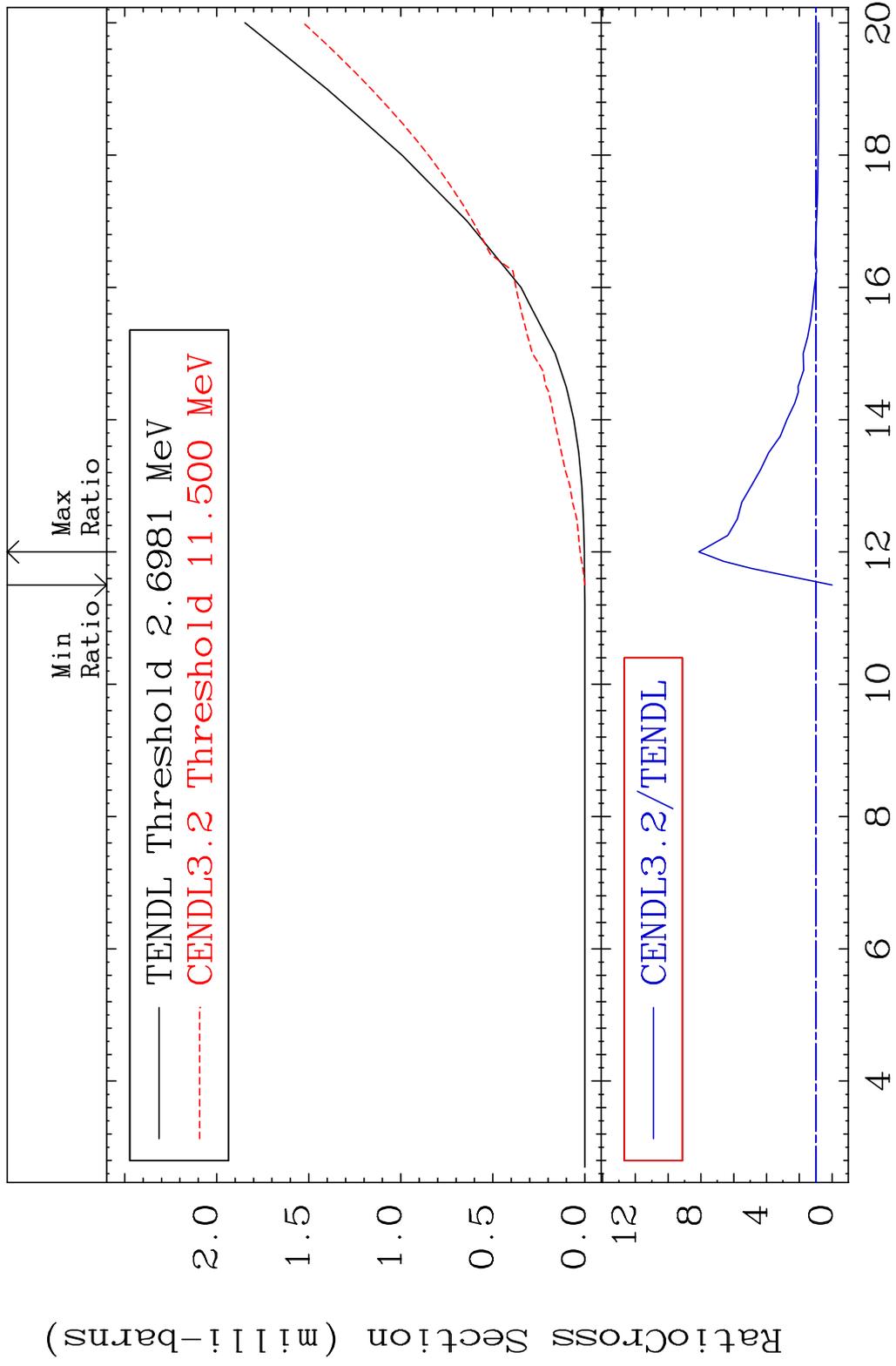


30

Incident Energy (eV)

83-Bi-209

MAT 8325 Tritium Production 83-Bi-209
 Cross Section -100.0 To 713.4 %

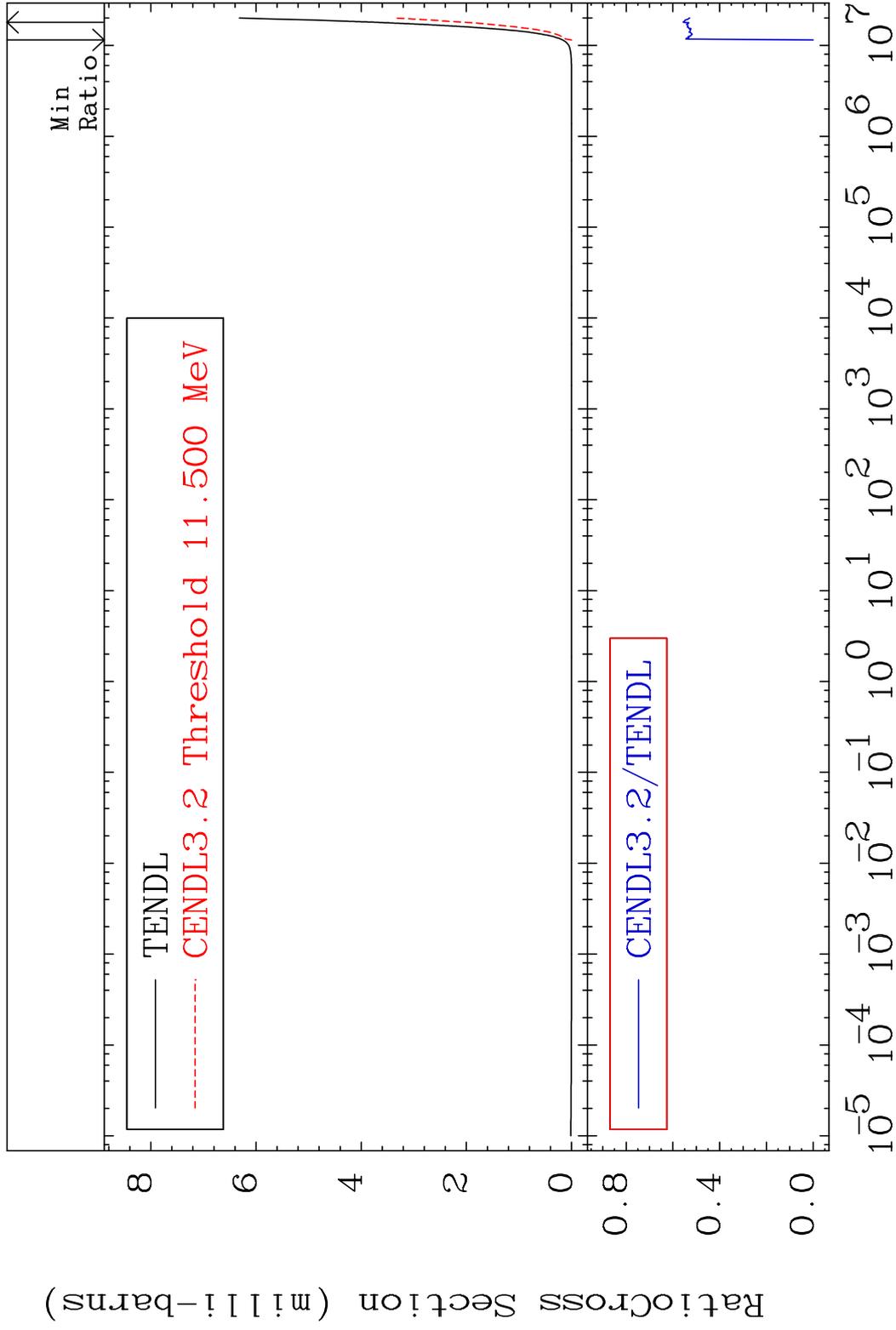


MAT 8325

He-4 Production

83-Bi-209

Cross Section -100.0 To -44.25%

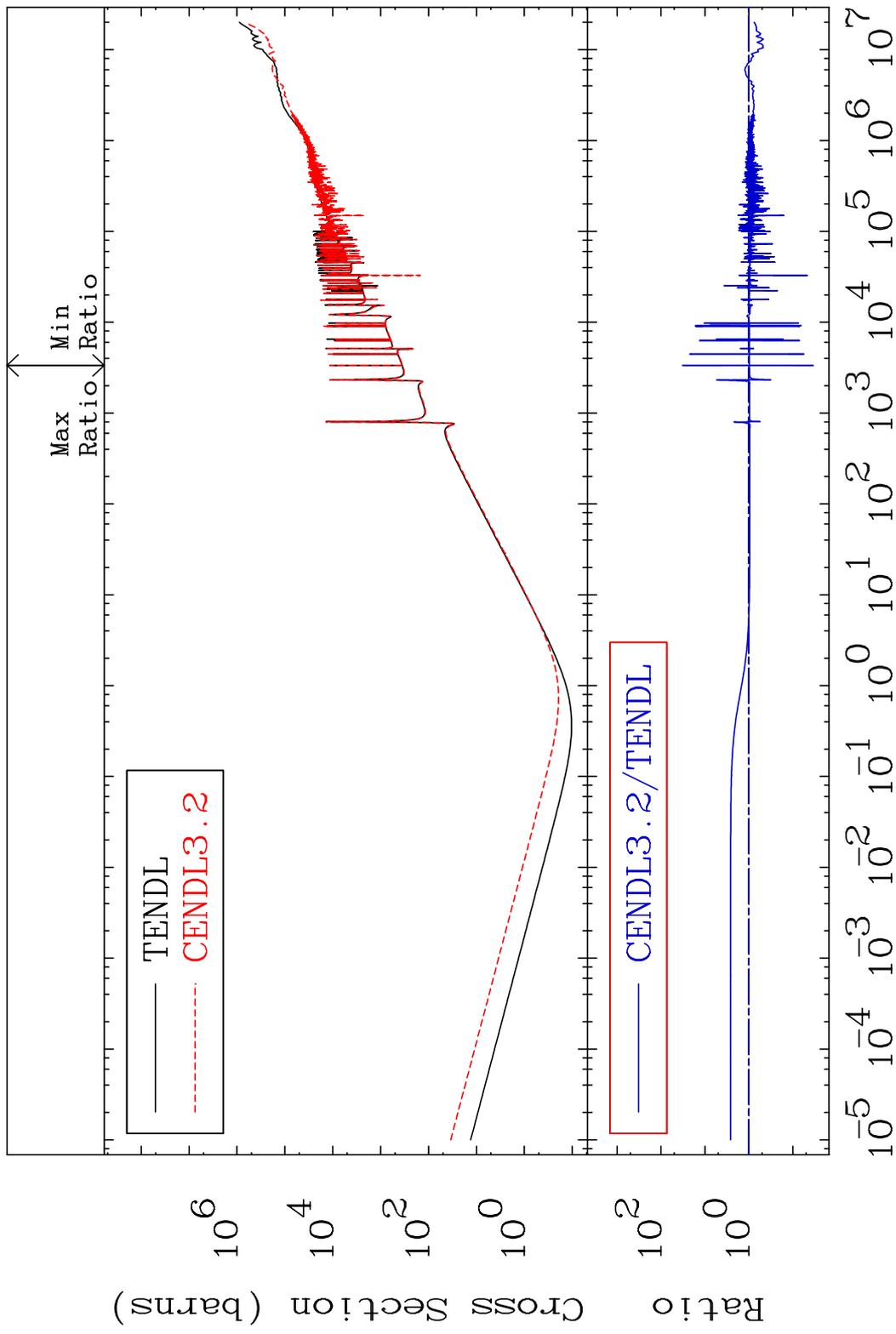


32

Incident Energy (eV)

83-Bi-209

MAT 8325 Kerma total (eV-barns) 83-Bi-209
 Cross Section -96.56 To 3091. %

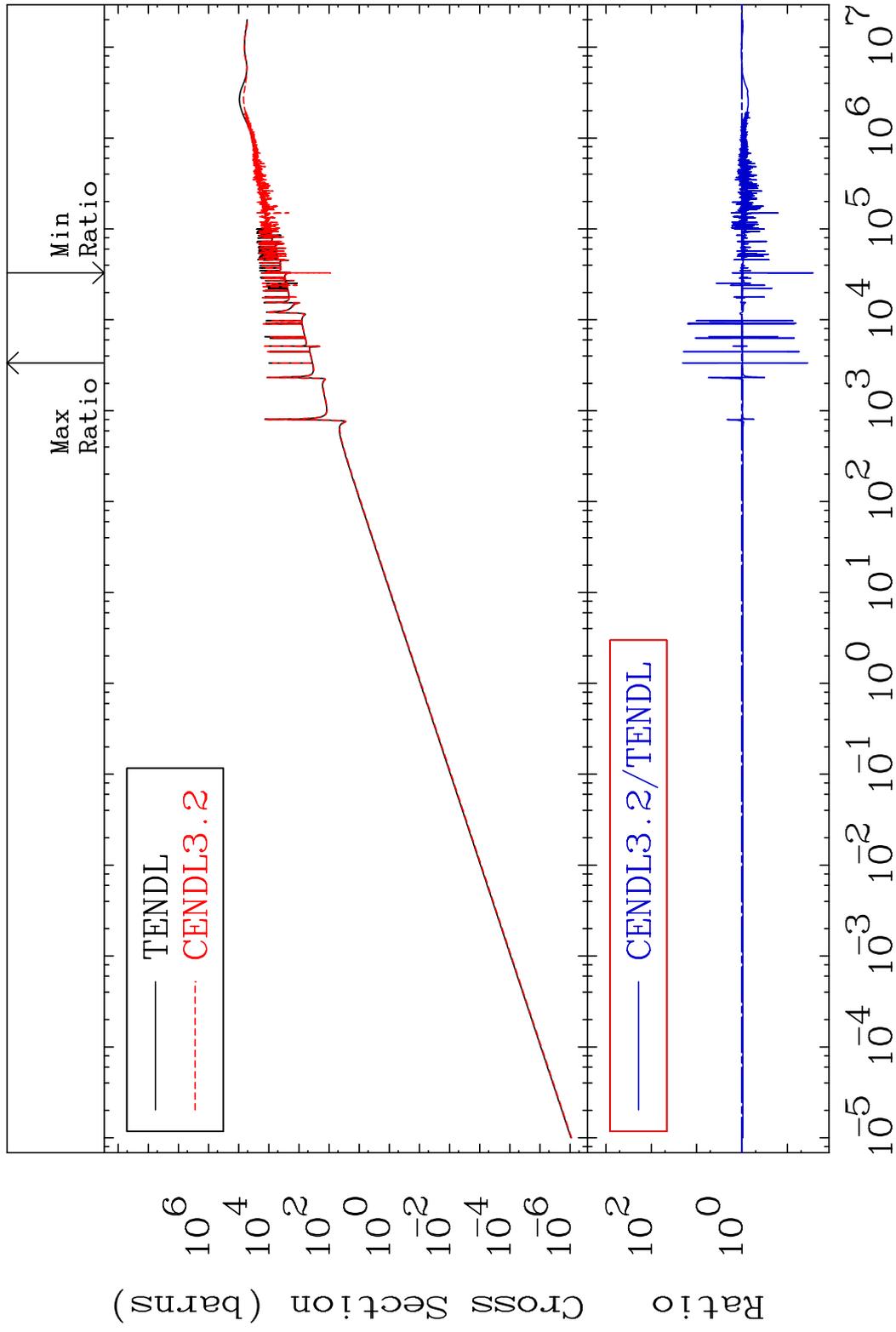


33 83-Bi-209

MAT 8325

Kerma elastic
Cross Section

83-Bi-209
-97.30 To 1918. %

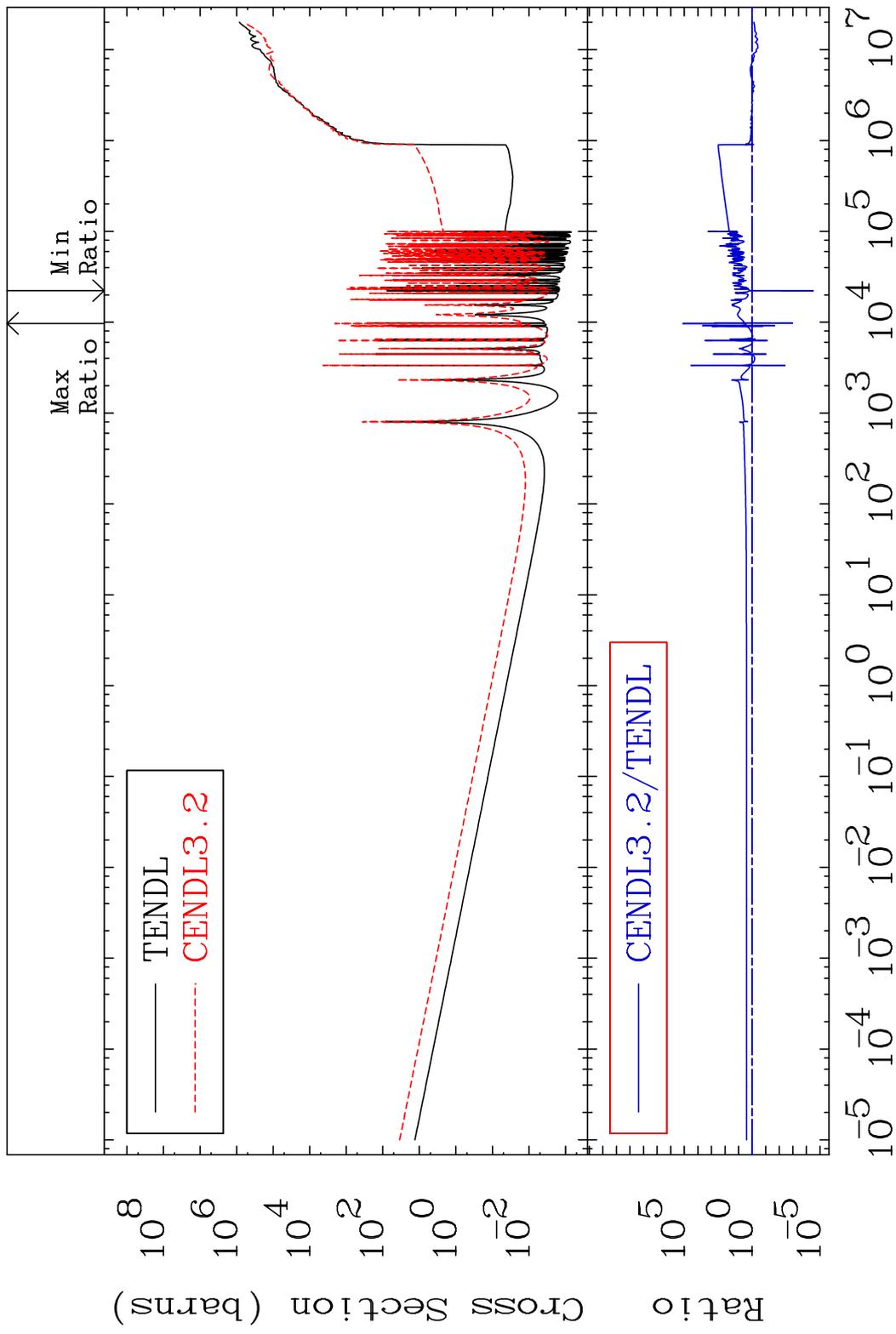


34

Incident Energy (eV)

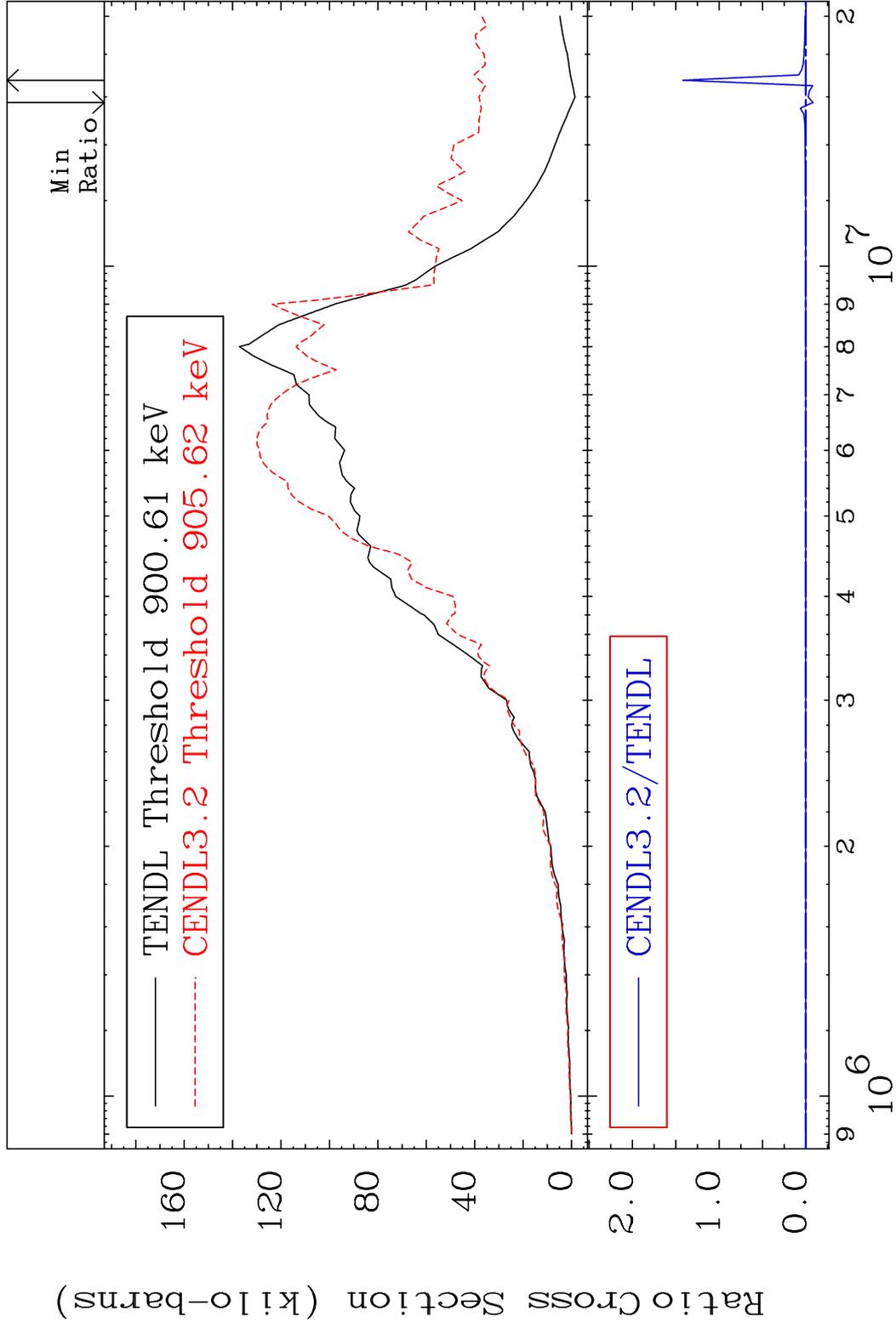
83-Bi-209

MAT 8325 Kerma non-elastic (all but mt2) 83-Bi-209
 Cross Section -100.0 To 9999. %



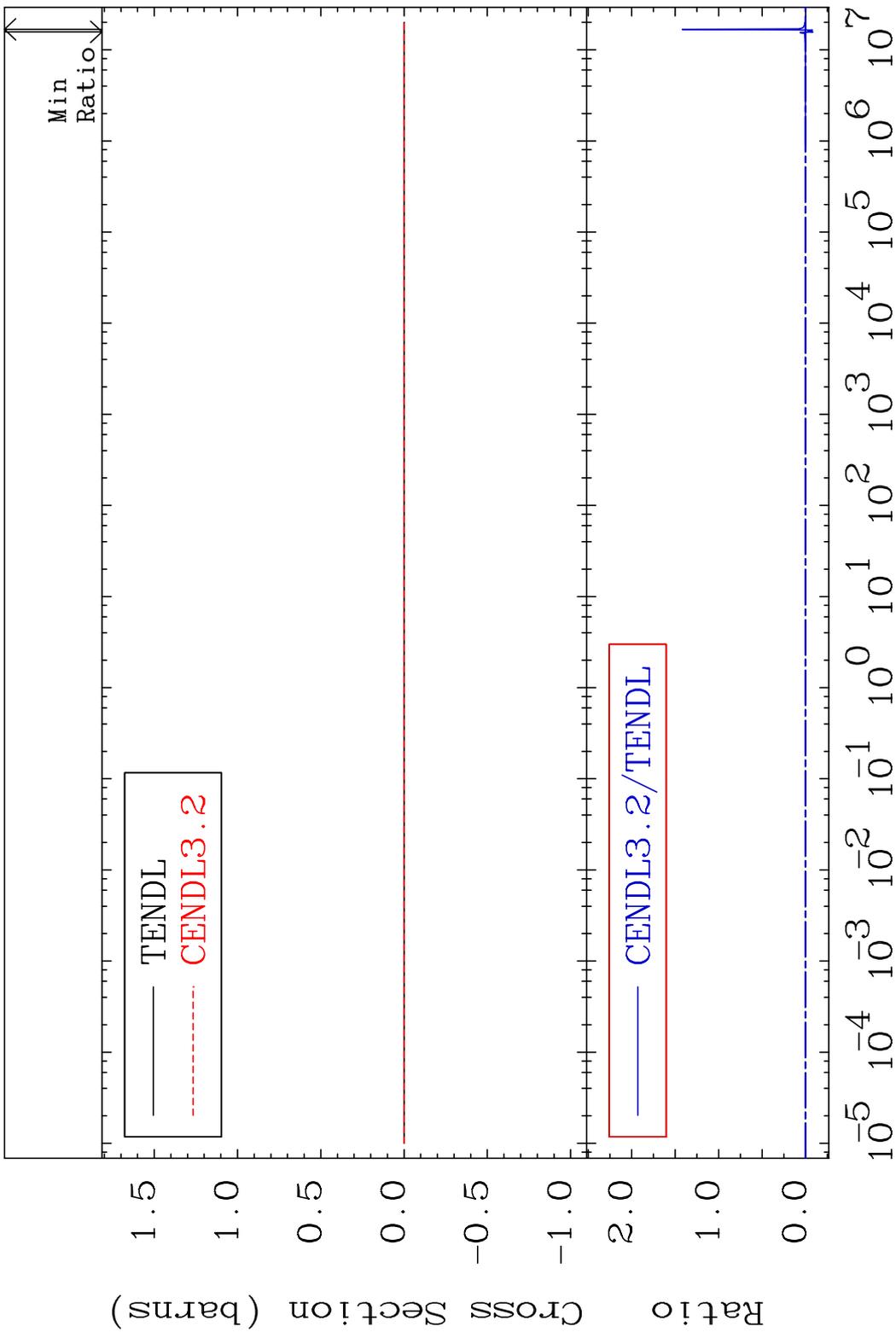
35 Incident Energy (eV) 83-Bi-209

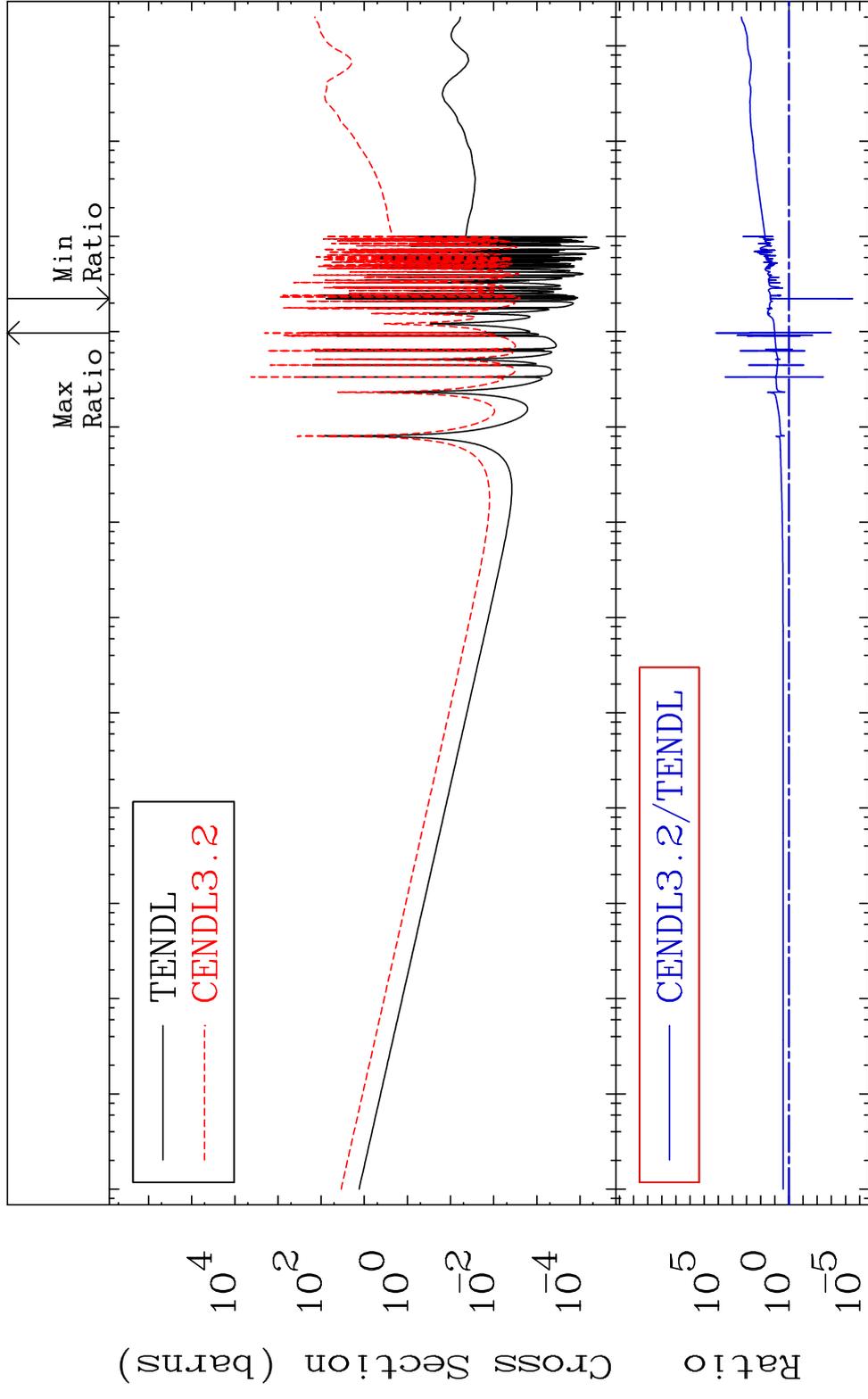
MAT 8325 Kerma inelastic (mt51-91) 83-Bi-209
 Cross Section -8587. To 9999. %



36 Incident Energy (eV) 83-Bi-209

MAT 8325 Kerma fission (mt18 or mt19-20-21-38) β 3-Bi-209
 Cross Section -8587. To 9999. %



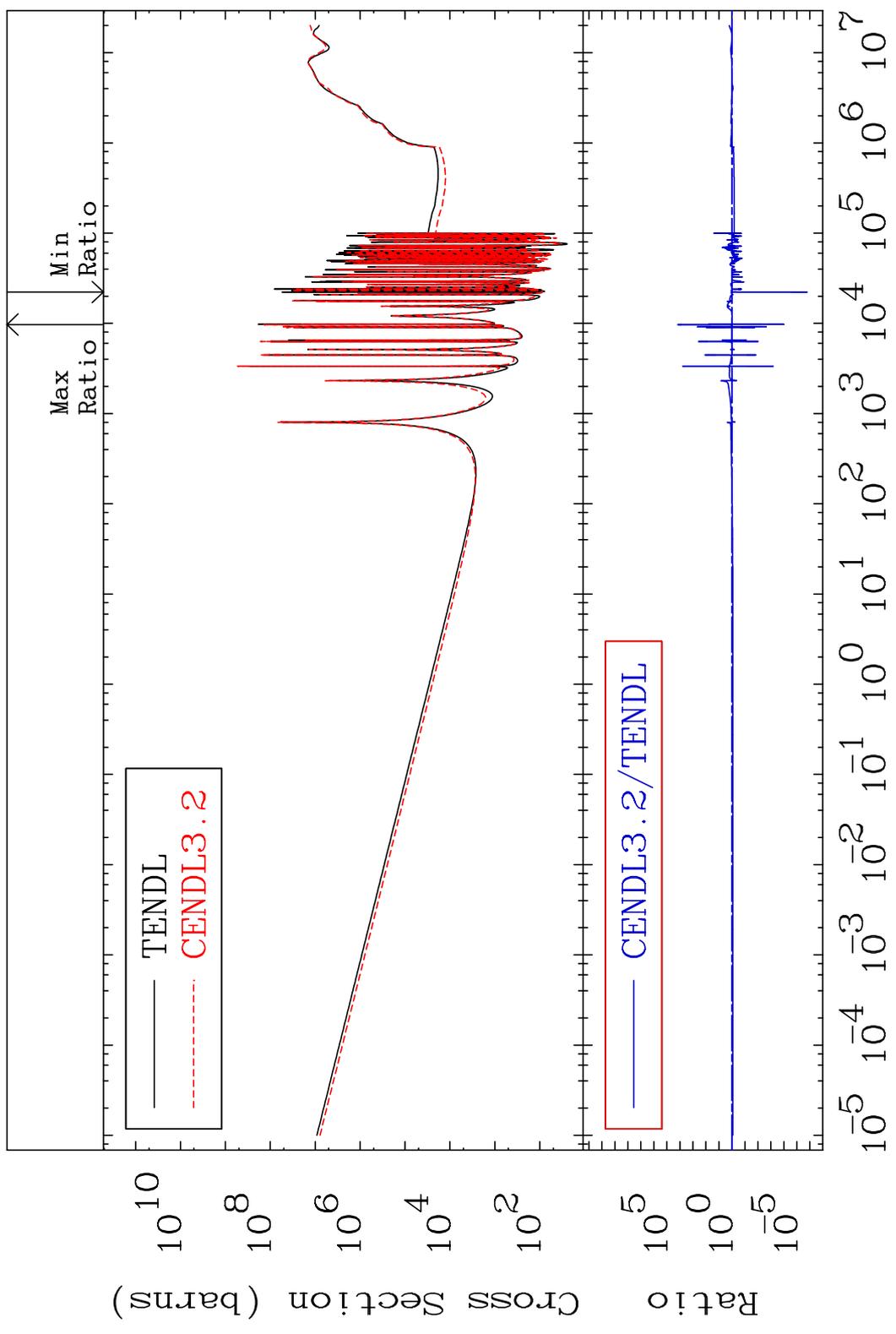


MAT 8325

Total photon (eV-barns)

83-Bi-209

Cross Section -100.0 To 9999. %

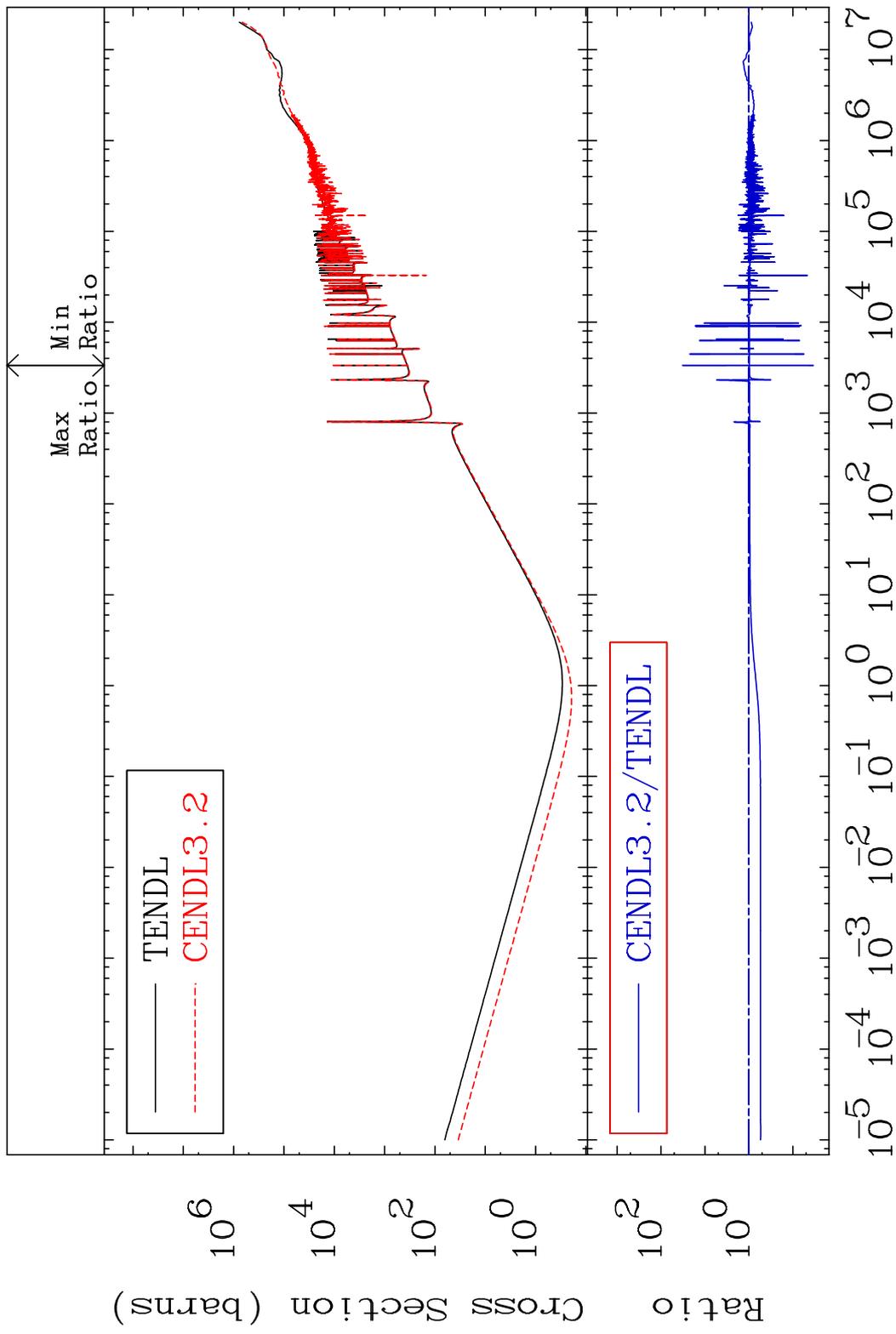


39

Incident Energy (eV)

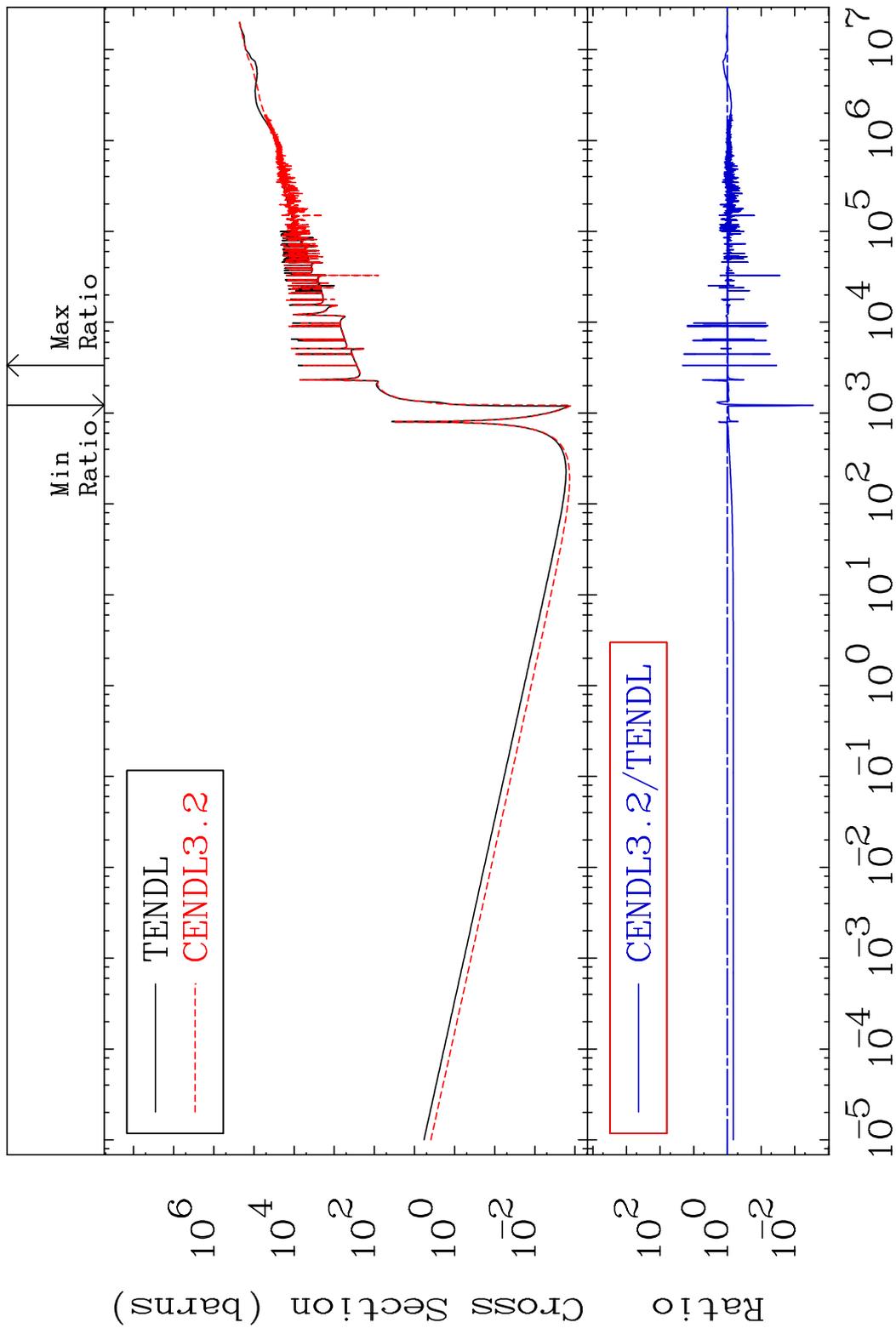
83-Bi-209

MAT 8325 Total kinematic kerma (high limit) 83-Bi-209
Cross Section -96.56 To 3091. %



40 Incident Energy (eV) 83-Bi-209

MAT 8325 Dpa total (eV-barns) 83-Bi-209
 Cross Section -99.72 To 2019. %

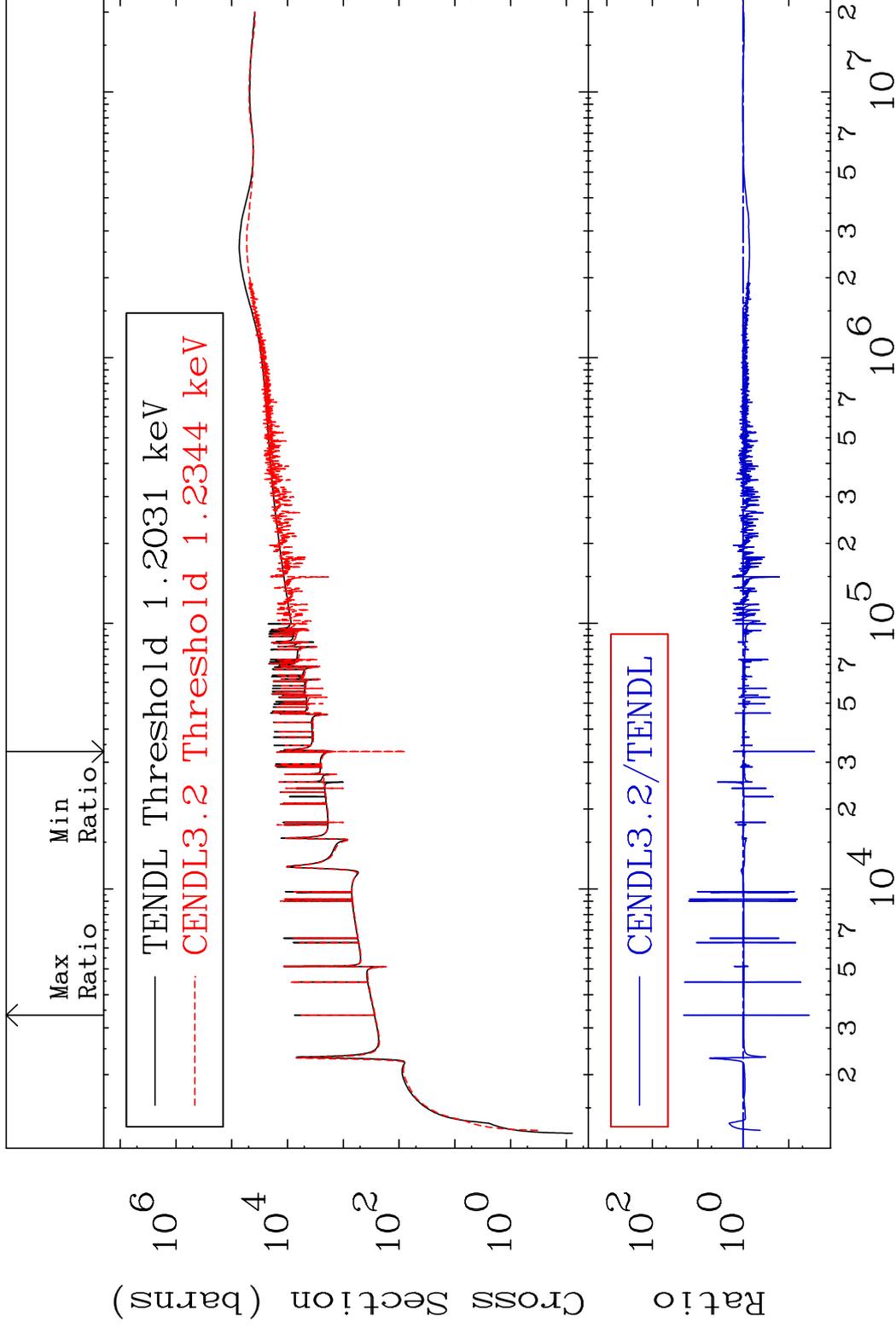


MAT 8325

Dpa elastic (mt2)

83-Bi-209

Cross Section -97.30 To 1921. %

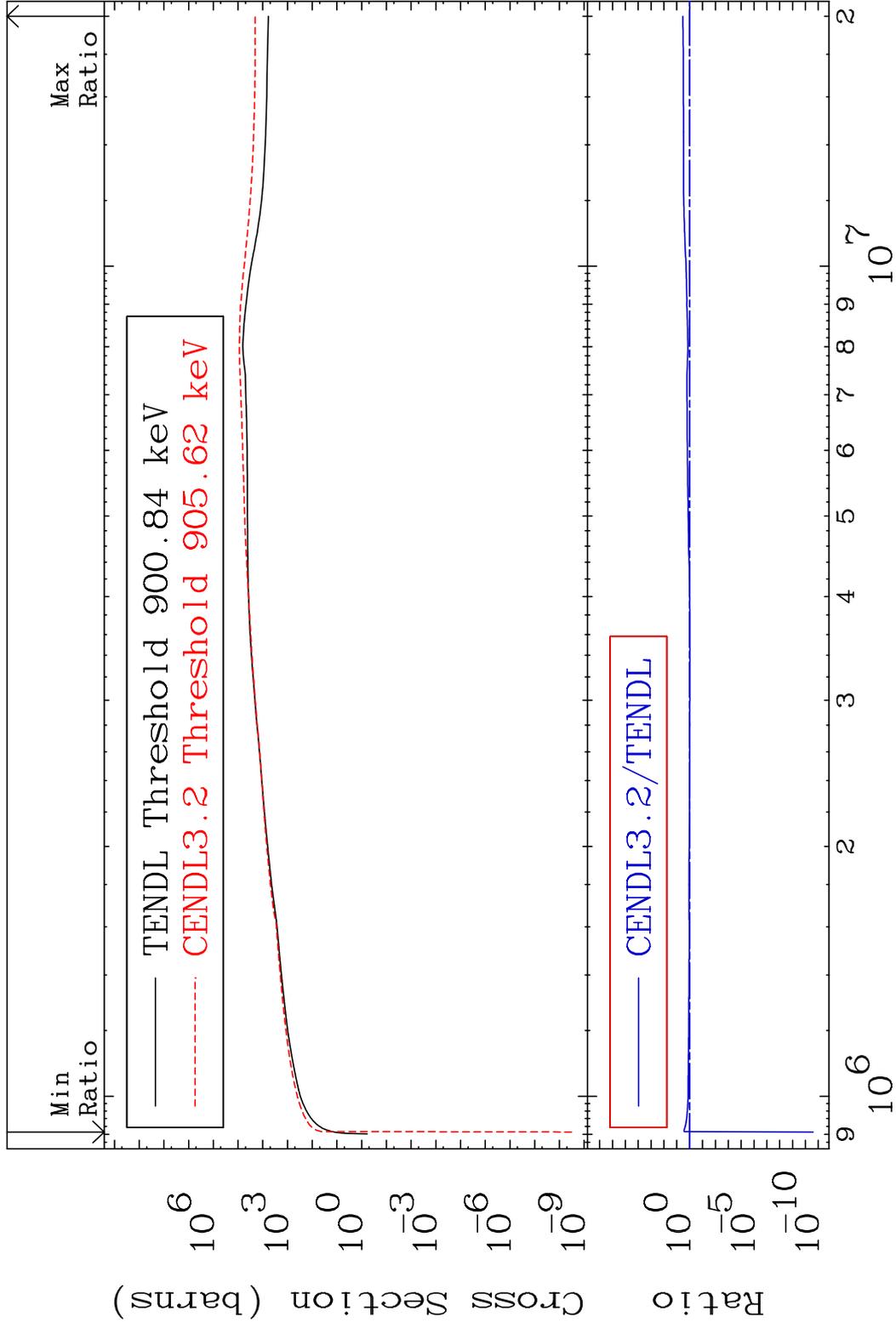


42

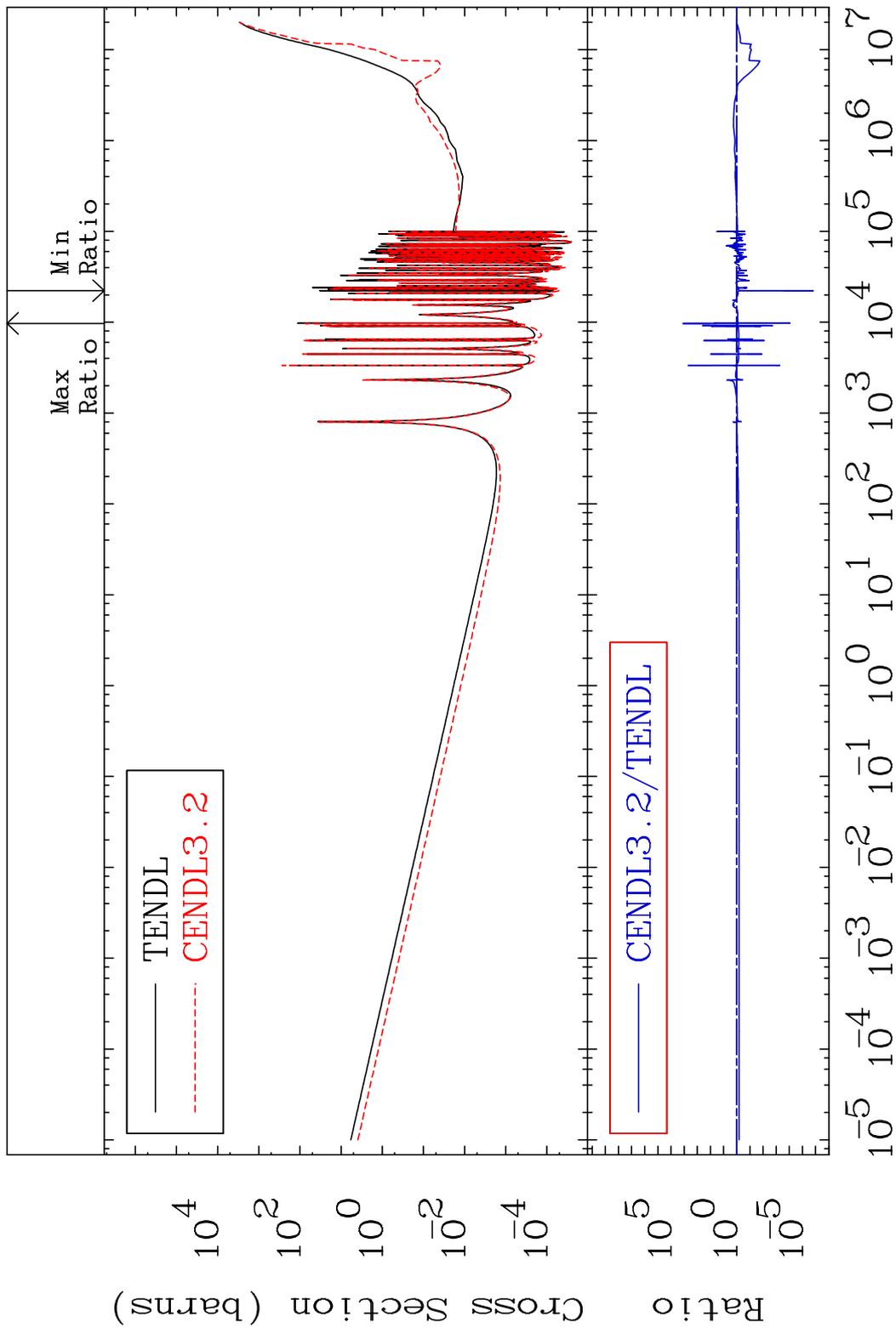
Incident Energy (eV)

83-Bi-209

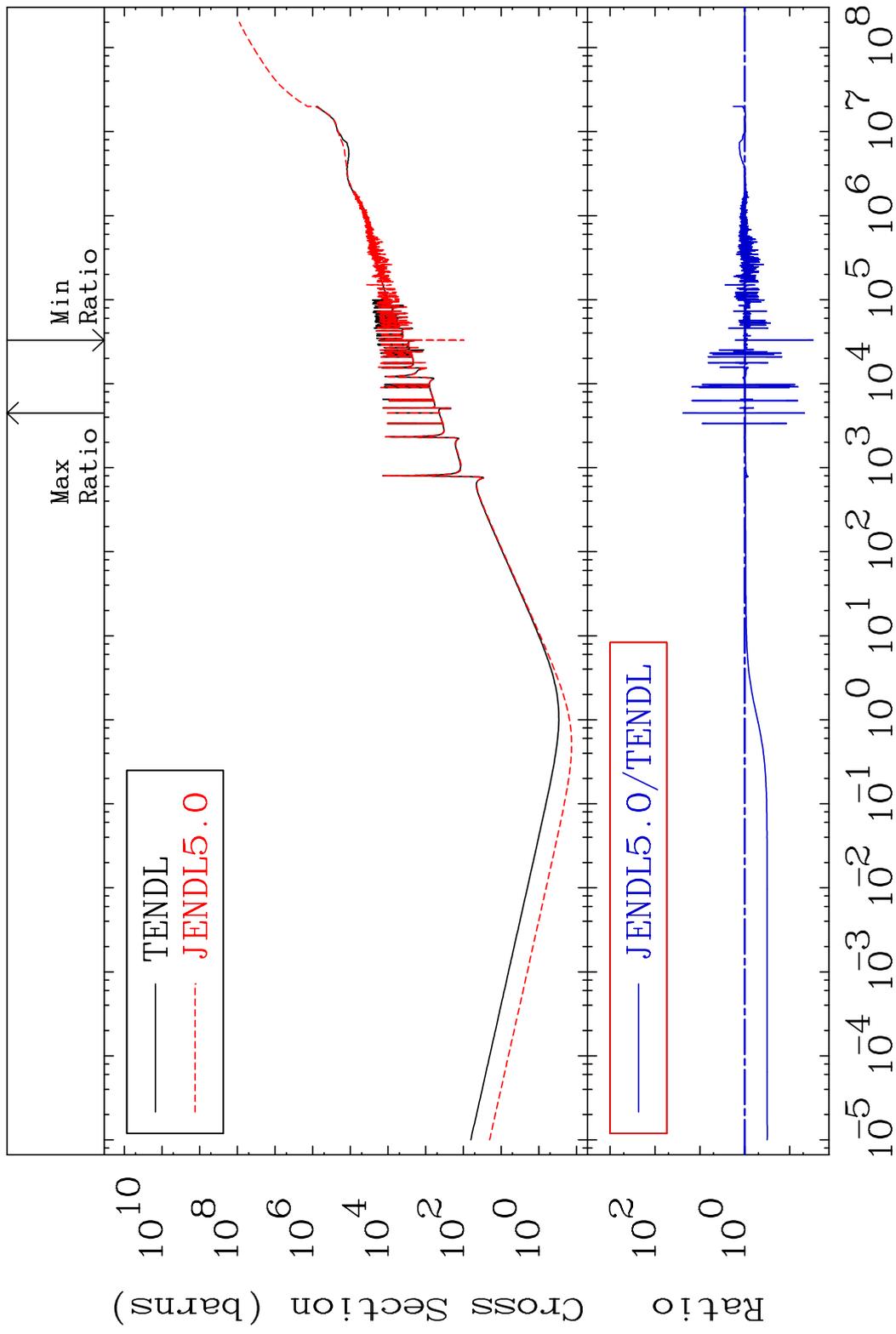
MAT 8325 Dpa inelastic (mt51-91) 83-Bi-209
 Cross Section -100.0 To 239.9 %



MAT 8325 Dpa disappearance (mt102 -120) 83-Bi-209
 Cross Section -100.0 To 9999. %



MAT 8325 Total kinematic kerma (high limit) 83-Bi-209
 Cross Section -97.00 To 2303. %

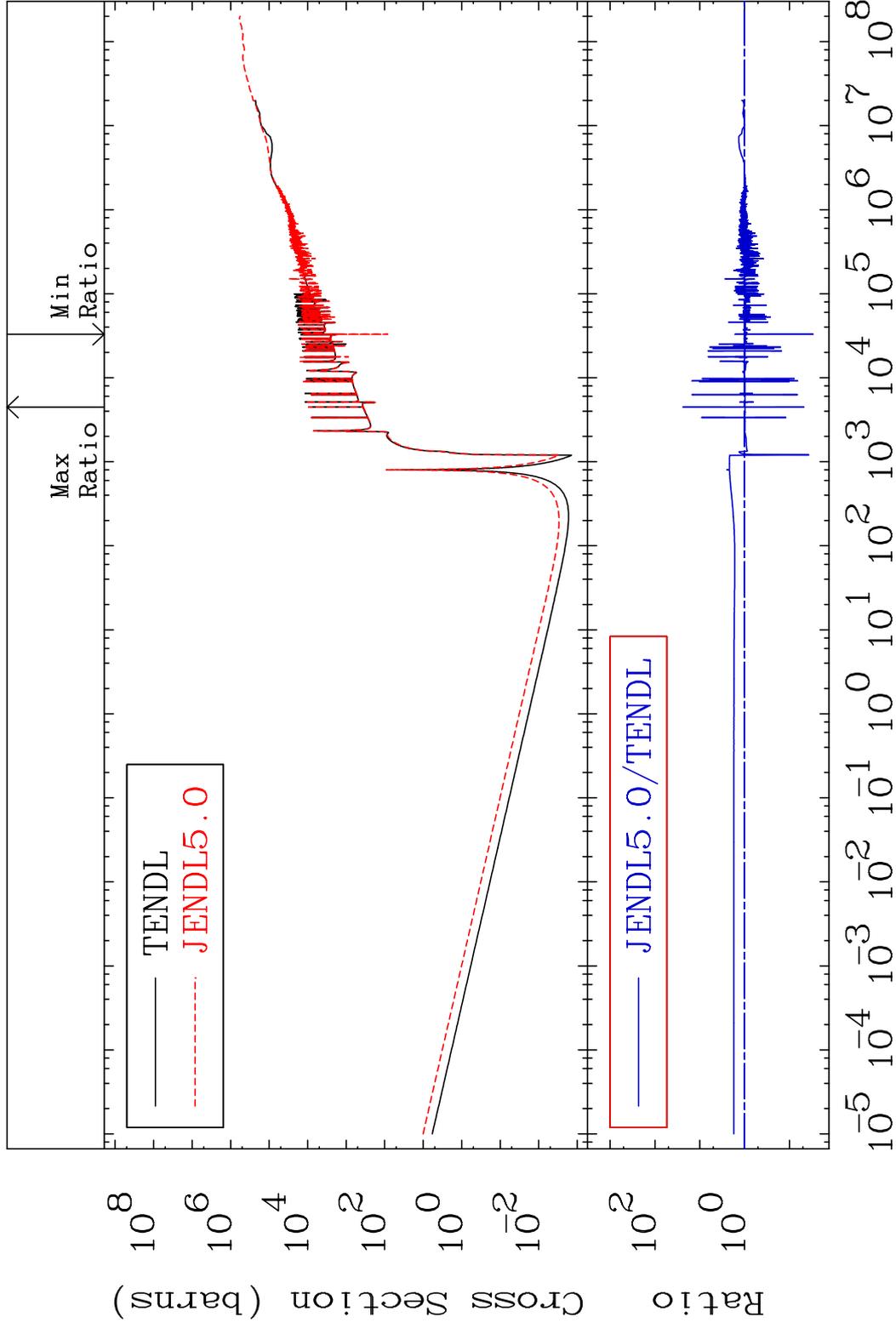


MAT 8325

Dpa total (eV-barns)

83-Bi-209

Cross Section -97.05 To 2283. %

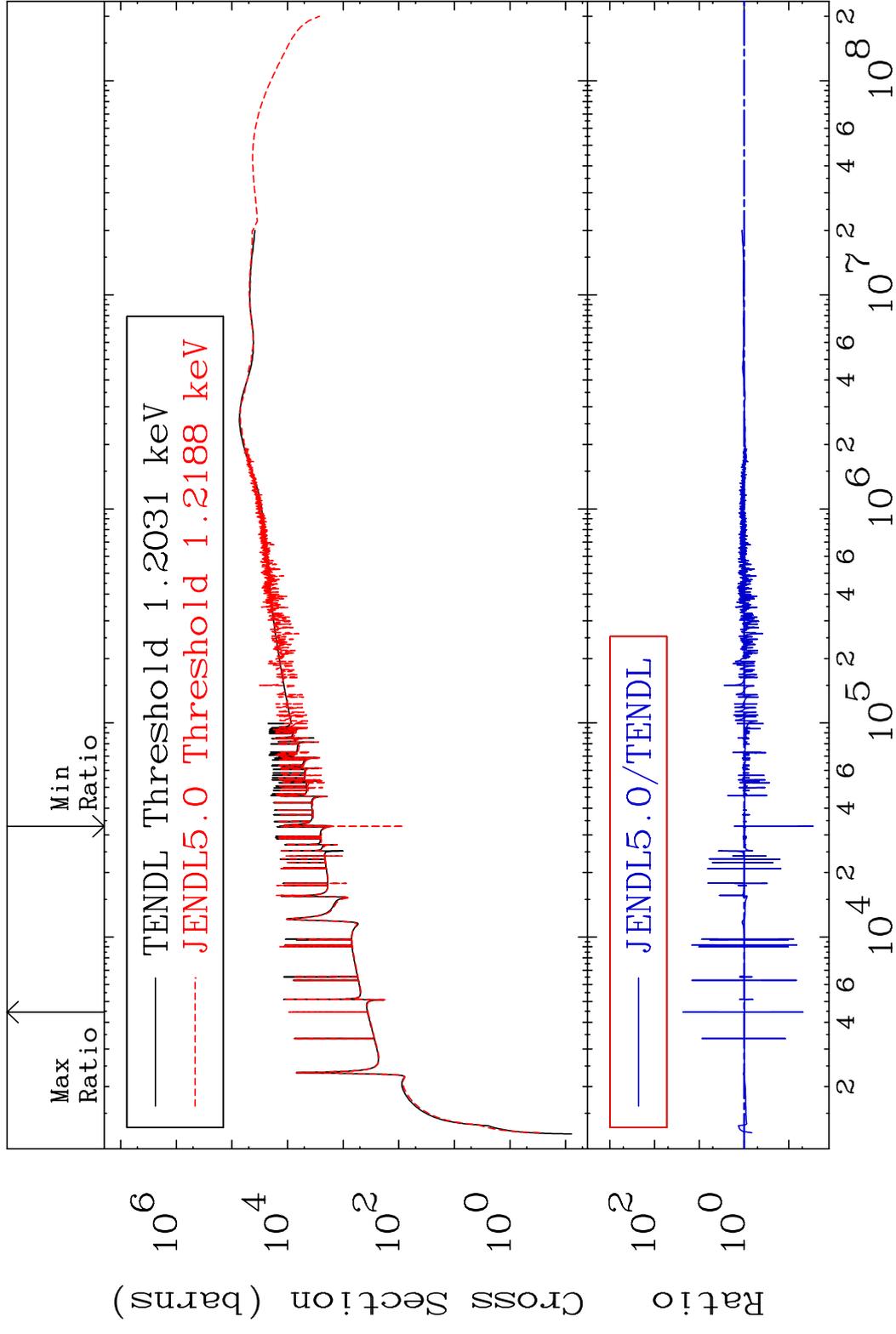


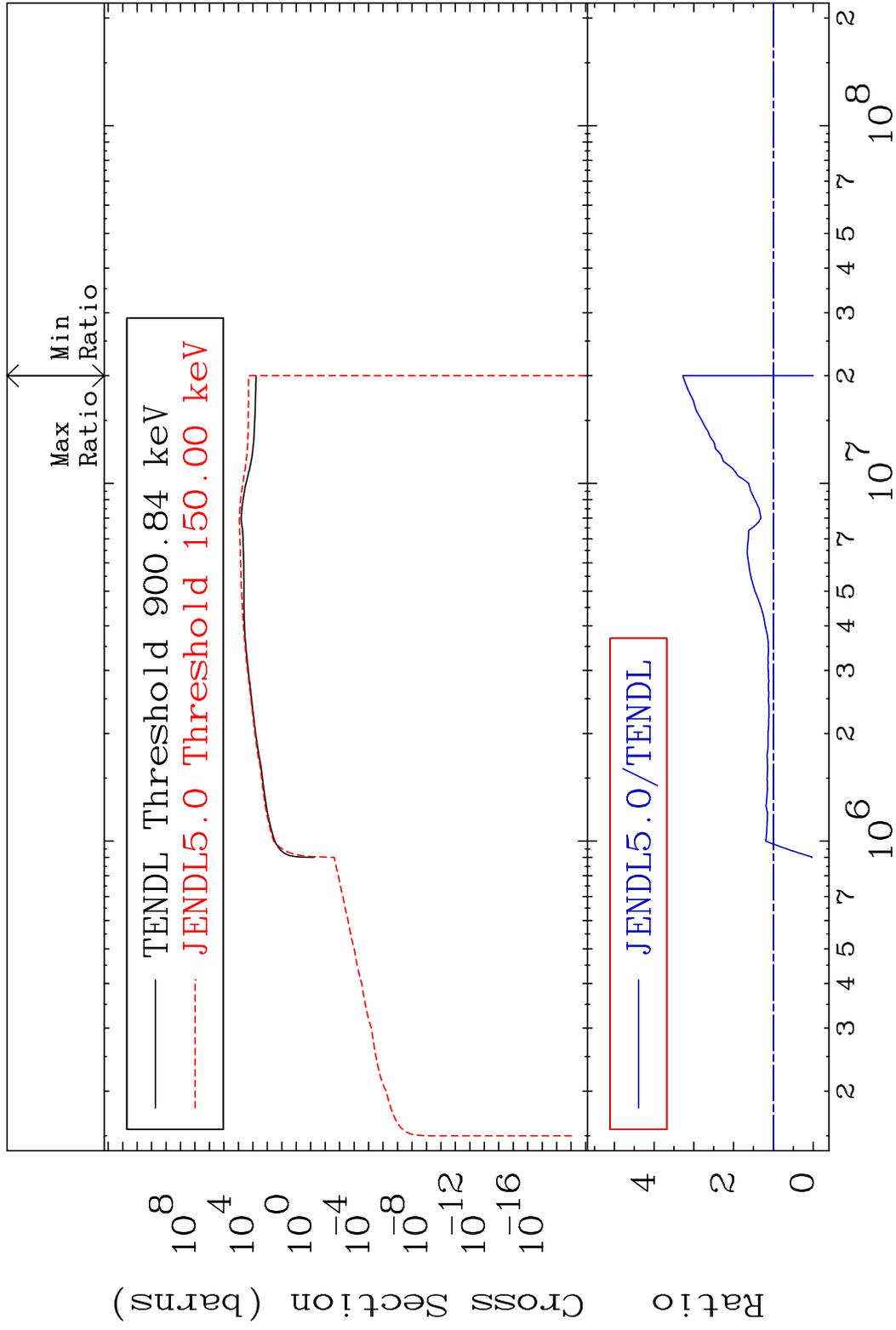
MAT 8325

Dpa elastic (mt2)

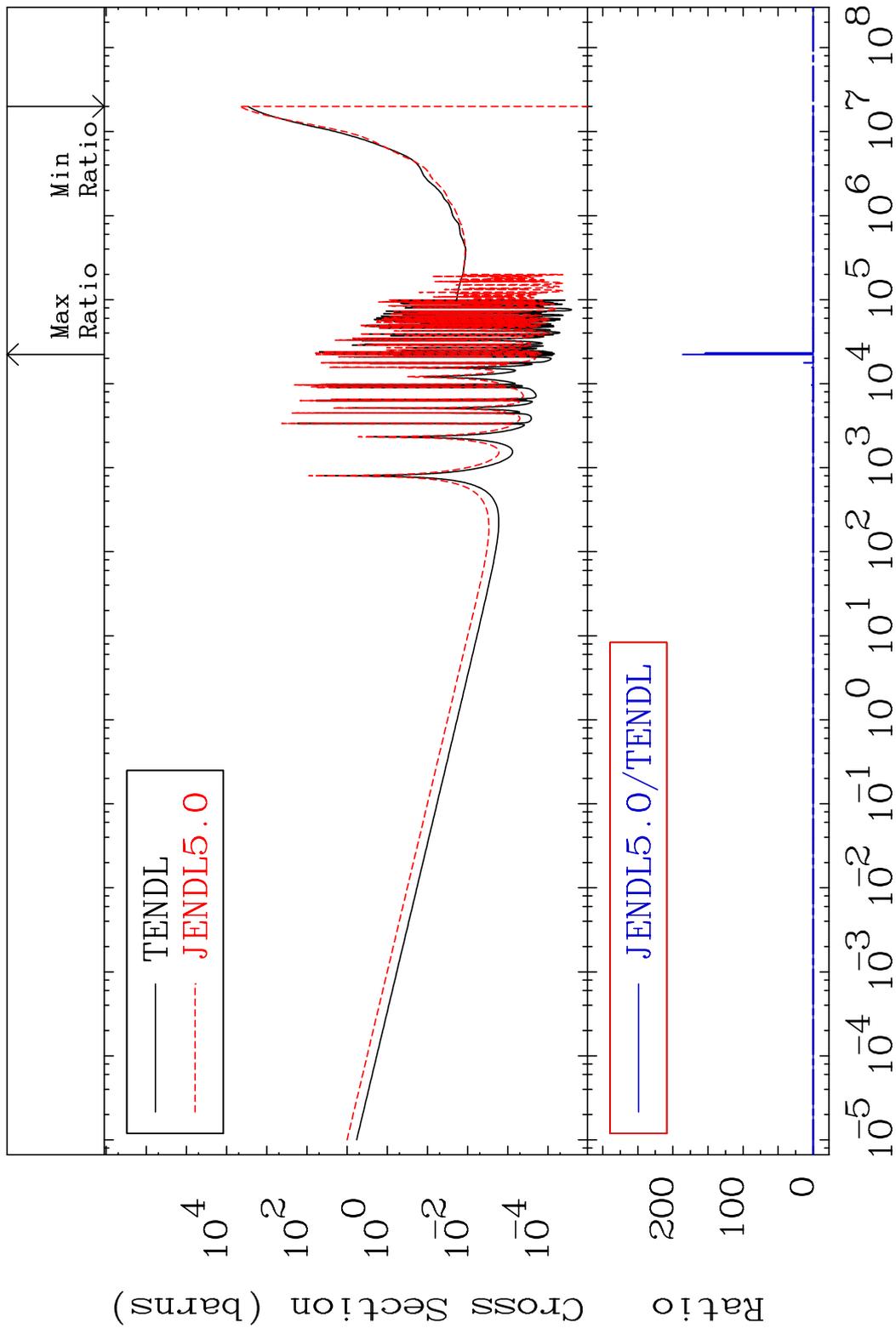
83-Bi-209

Cross Section -97.15 To 2225. %





MAT 8325 Dpa disappearance (mt102 -120) 83-Bi-209
 Cross Section -100.0 To 9999. %



49 Incident Energy (eV) 83-Bi-209

