

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

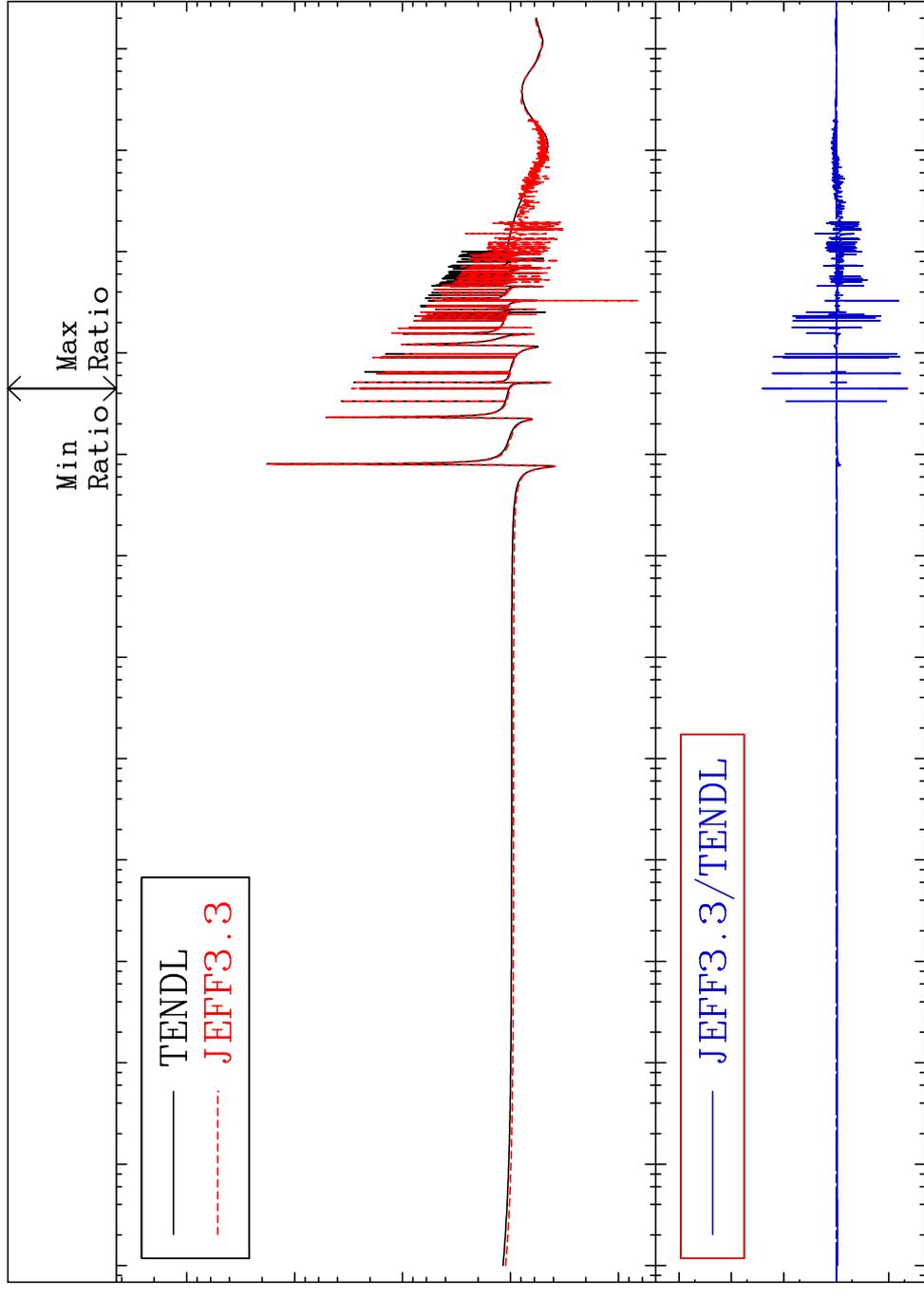
MAT 8325

Total

83-Bi-209

Cross Section

-95.63 To 2500. %



1

Incident Energy (eV)

83-Bi-209

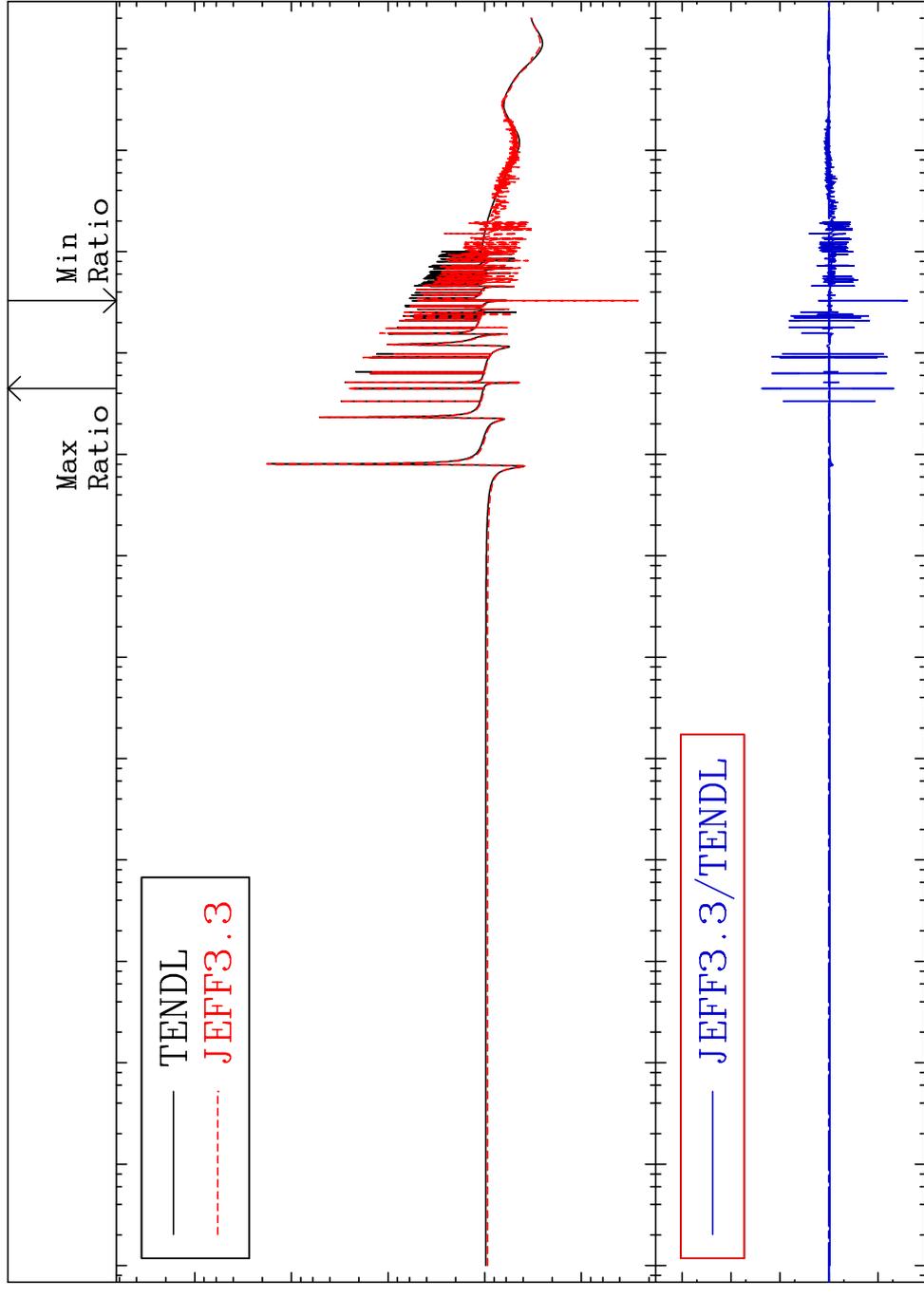
MAT 8325

Elastic

83-Bi-209

Cross Section

-97.50 To 2225. %



2

Incident Energy (eV)

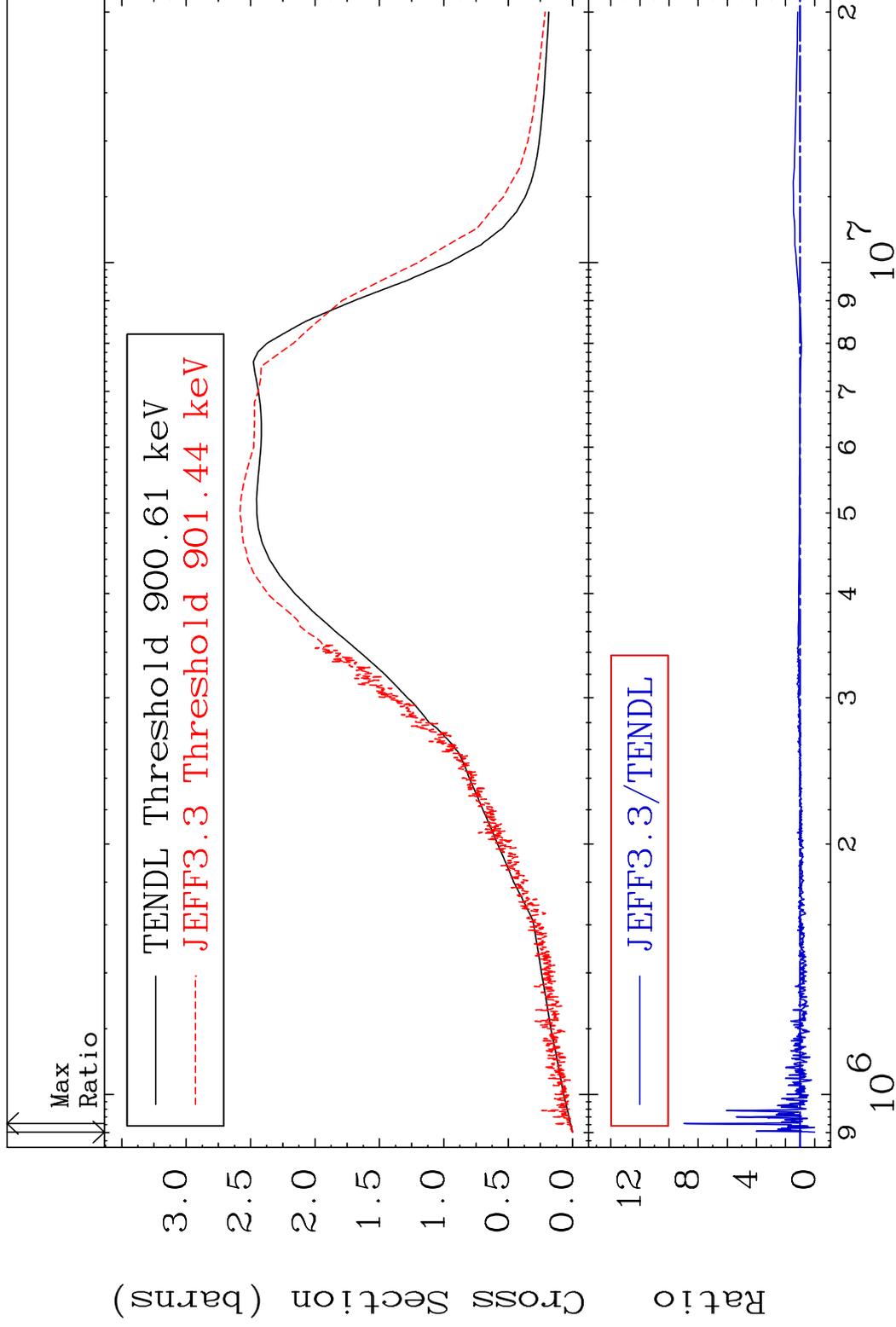
83-Bi-209

MAT 8325

Inelastic

83-Bi-209

Cross Section -100.0 To 796.8 %



3

Incident Energy (eV)

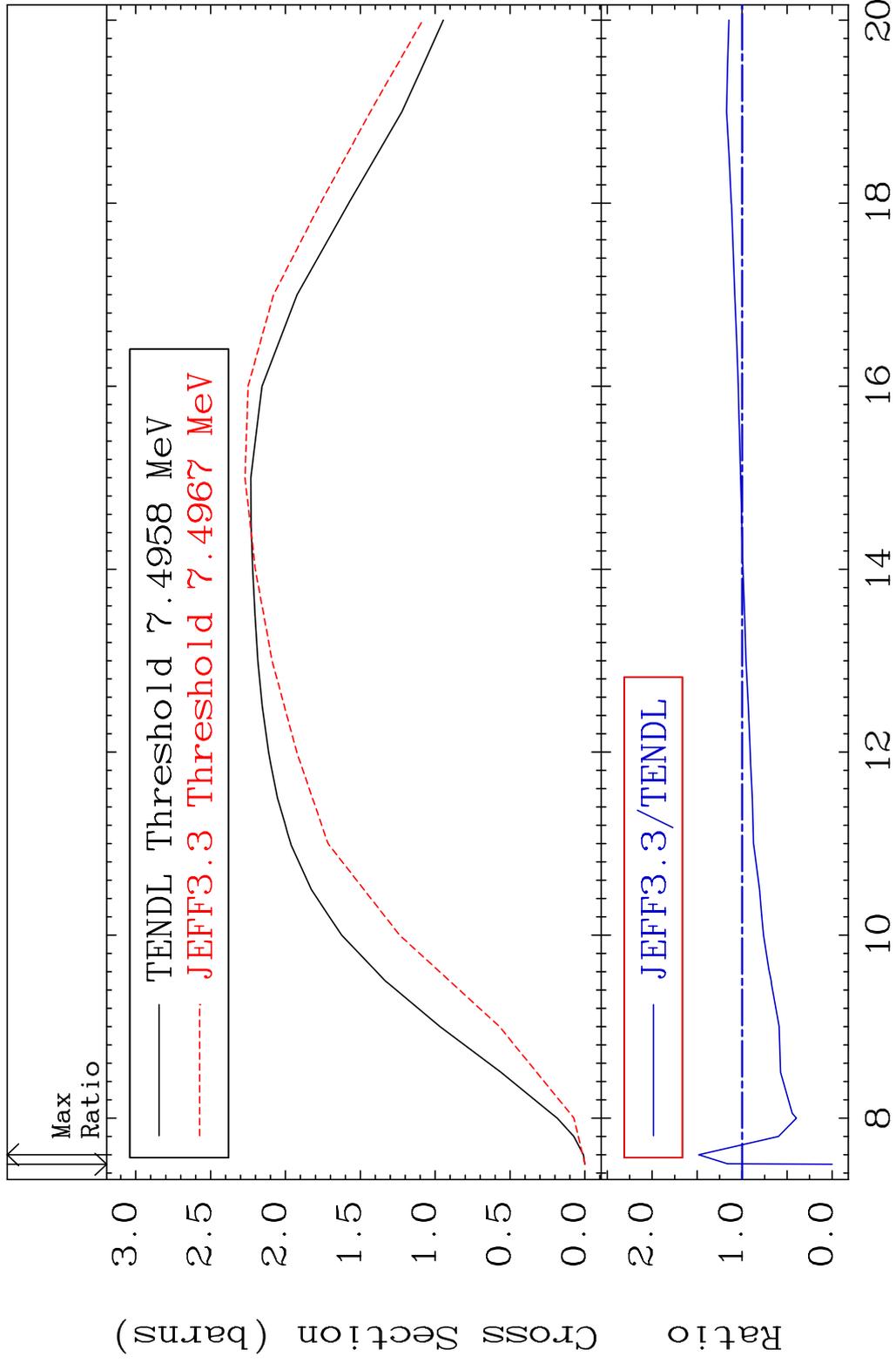
83-Bi-209

MAT 8325

(n,2n)

83-Bi-209

Cross Section -100.0 To 48.19 %



4

Incident Energy (MeV)

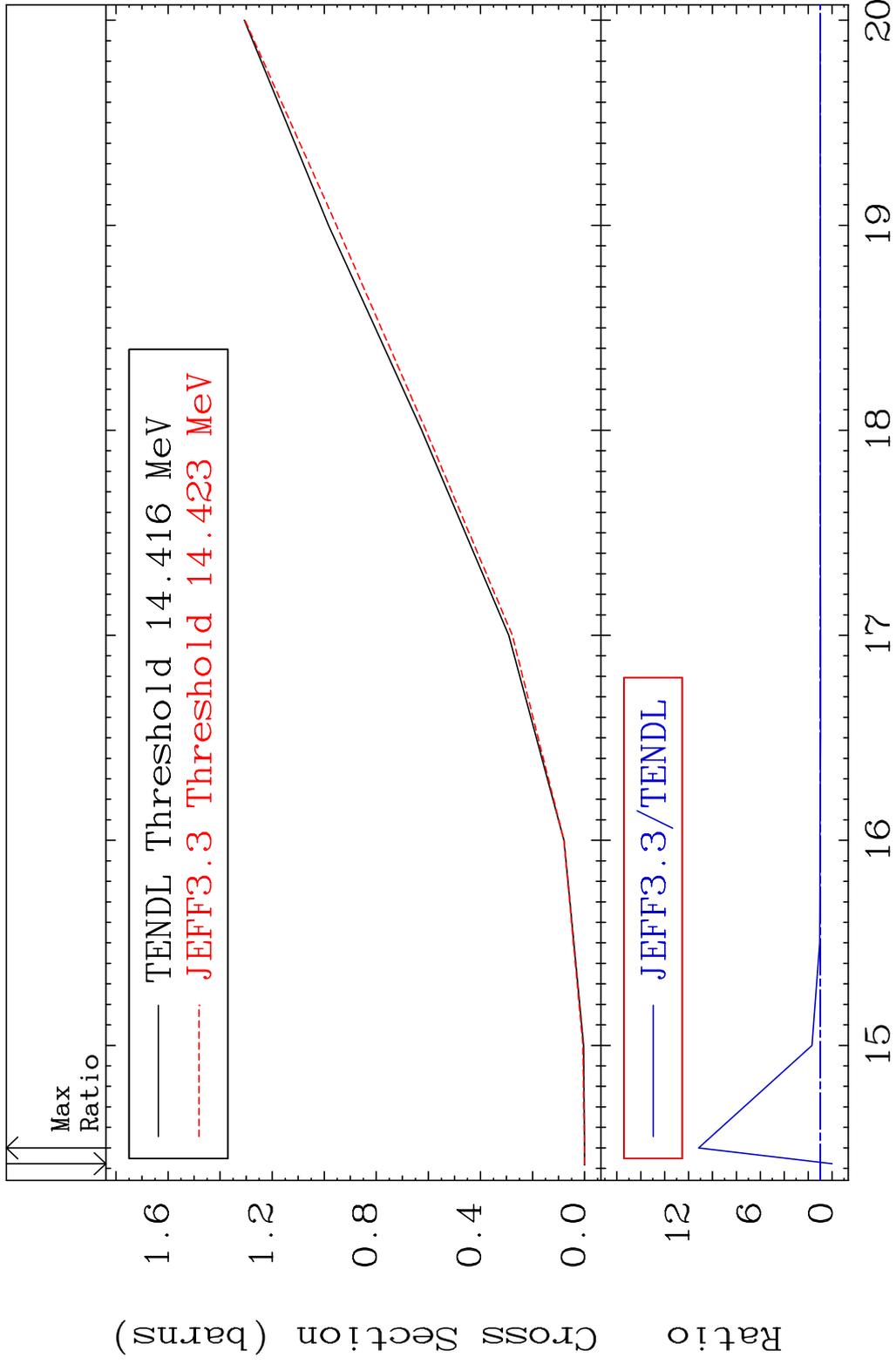
83-Bi-209

MAT 8325

(n,3n)

83-Bi-209

Cross Section -100.0 To 1017. %



5

Incident Energy (MeV)

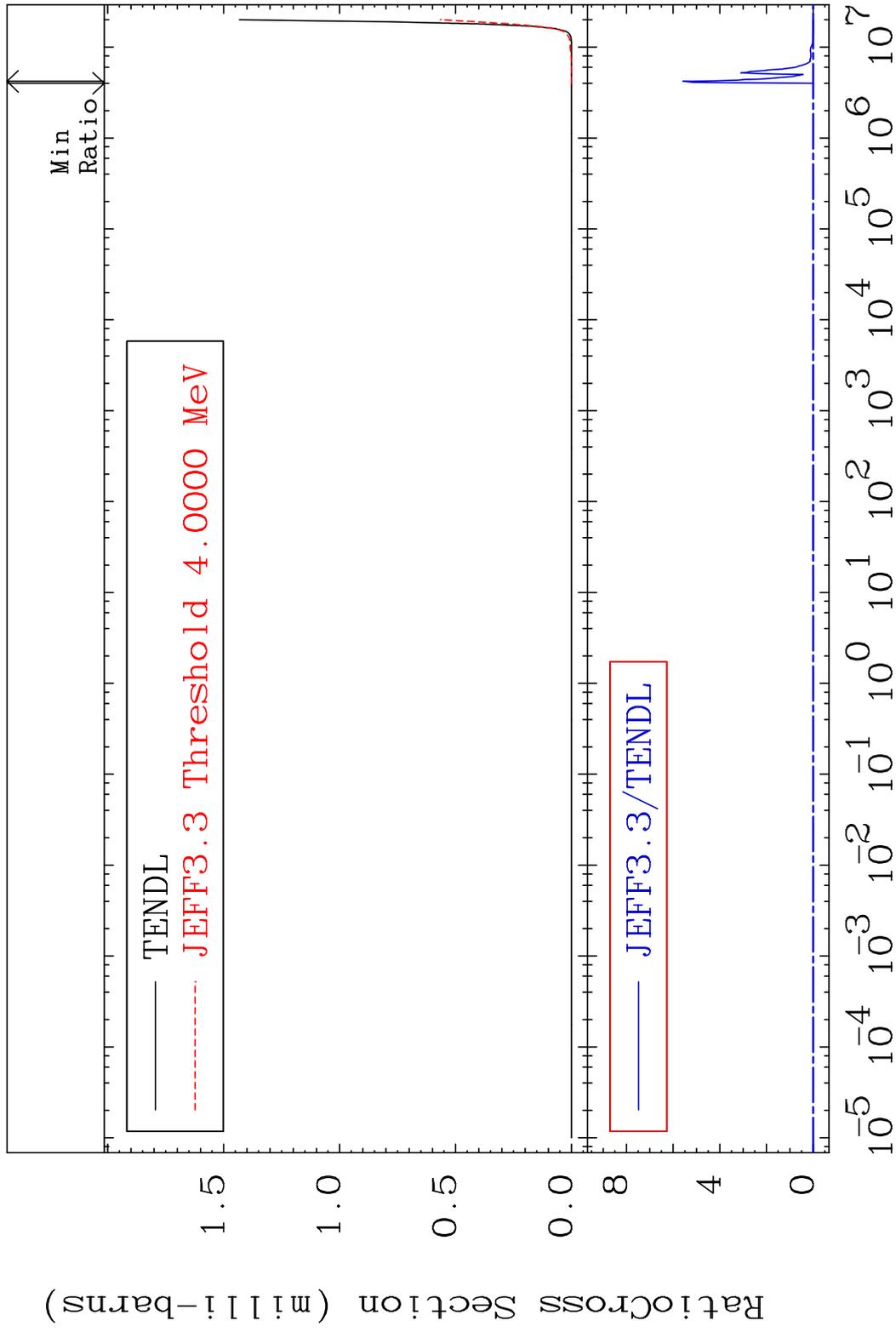
83-Bi-209

MAT 8325

(n, n') α

83-Bi-209

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

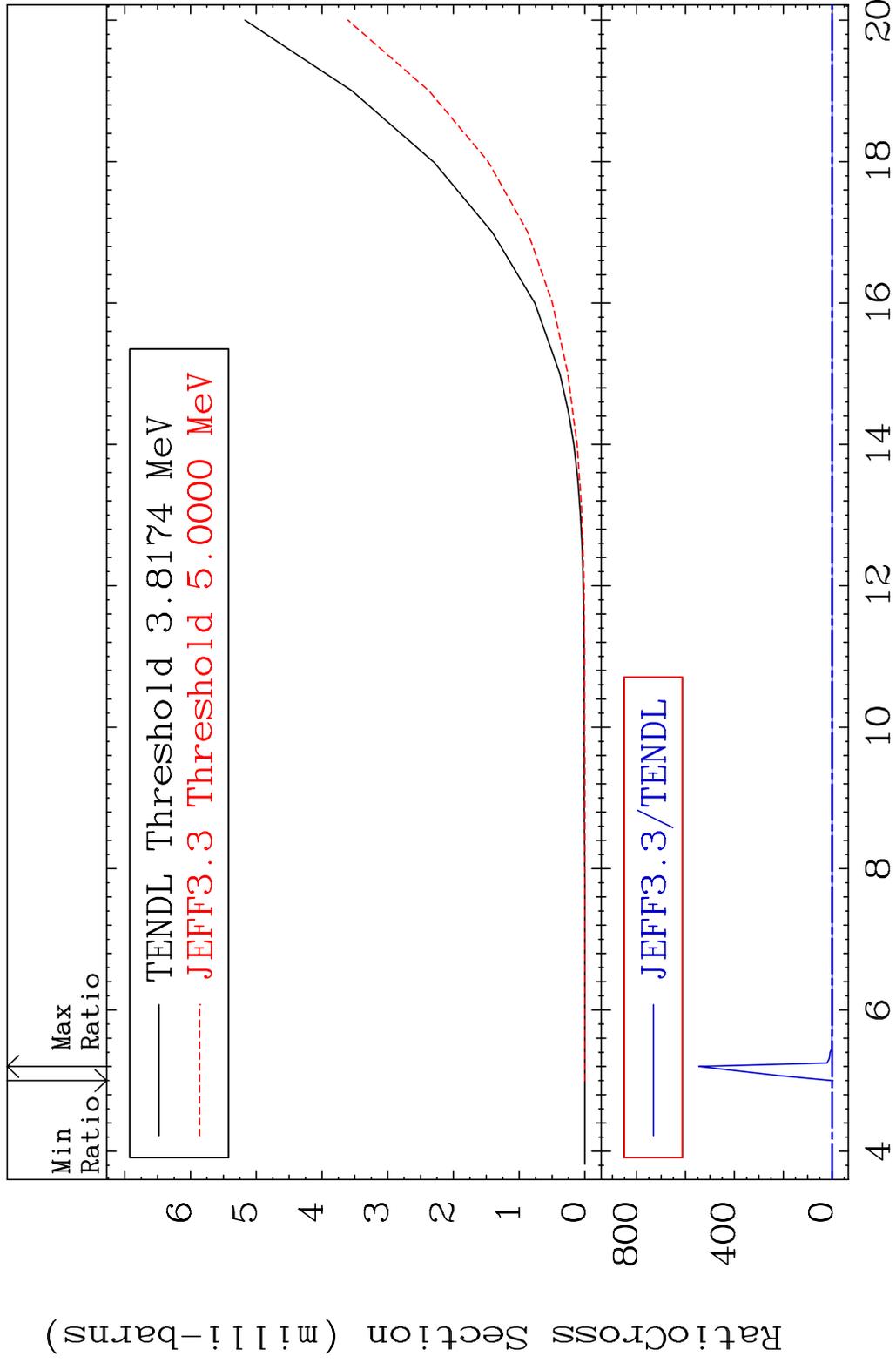
83-Bi-209

MAT 8325

(n, n') p

83-Bi-209

Cross Section -100.0 To 9999. %

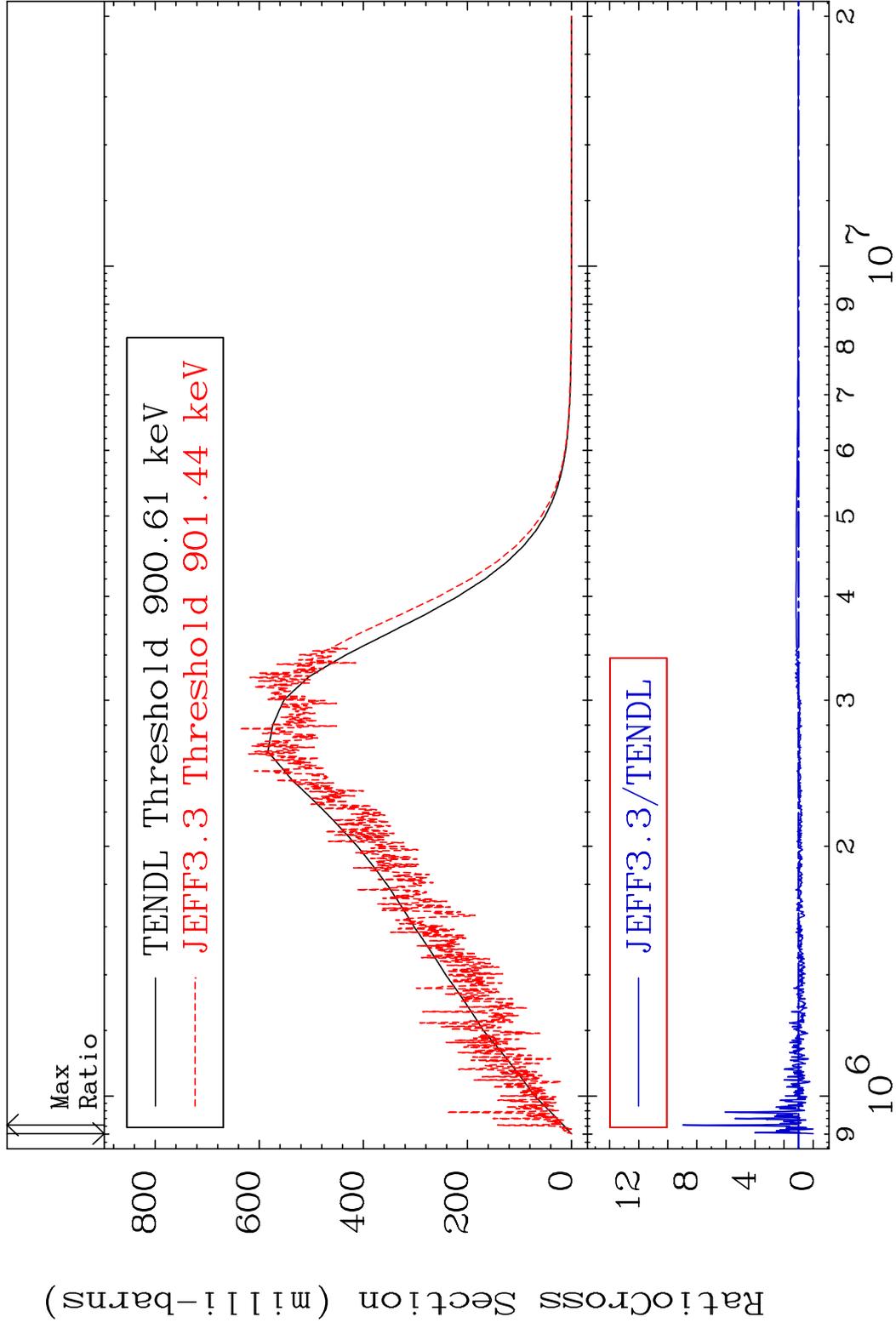


7

Incident Energy (MeV)

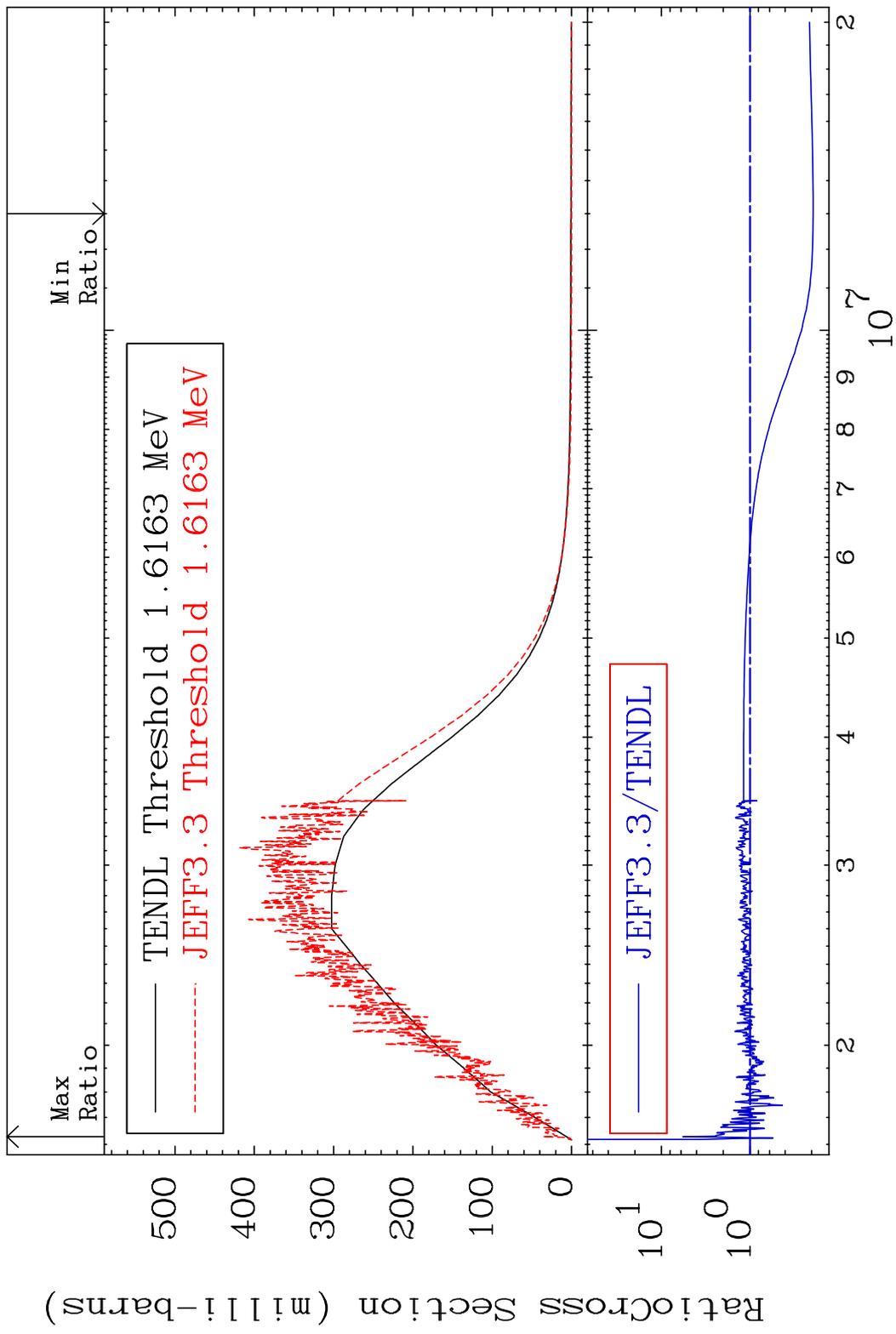
83-Bi-209

MAT 8325 MT= 51 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 796.8 %

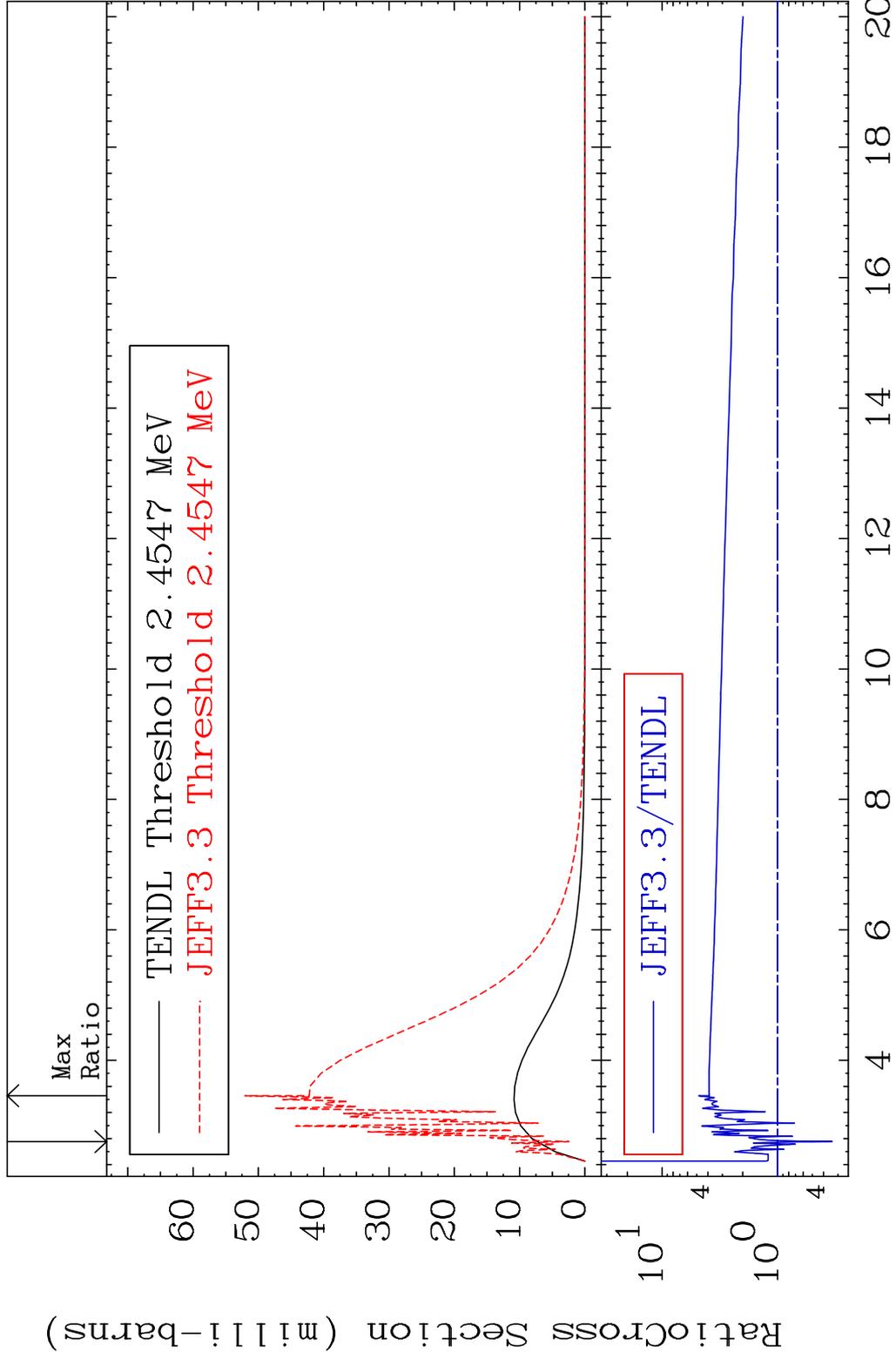


8 83-Bi-209

MAT 8325 MT= 52 (n,n') Level 83-Bi-209
 Cross Section -80.75 To 473.6 %

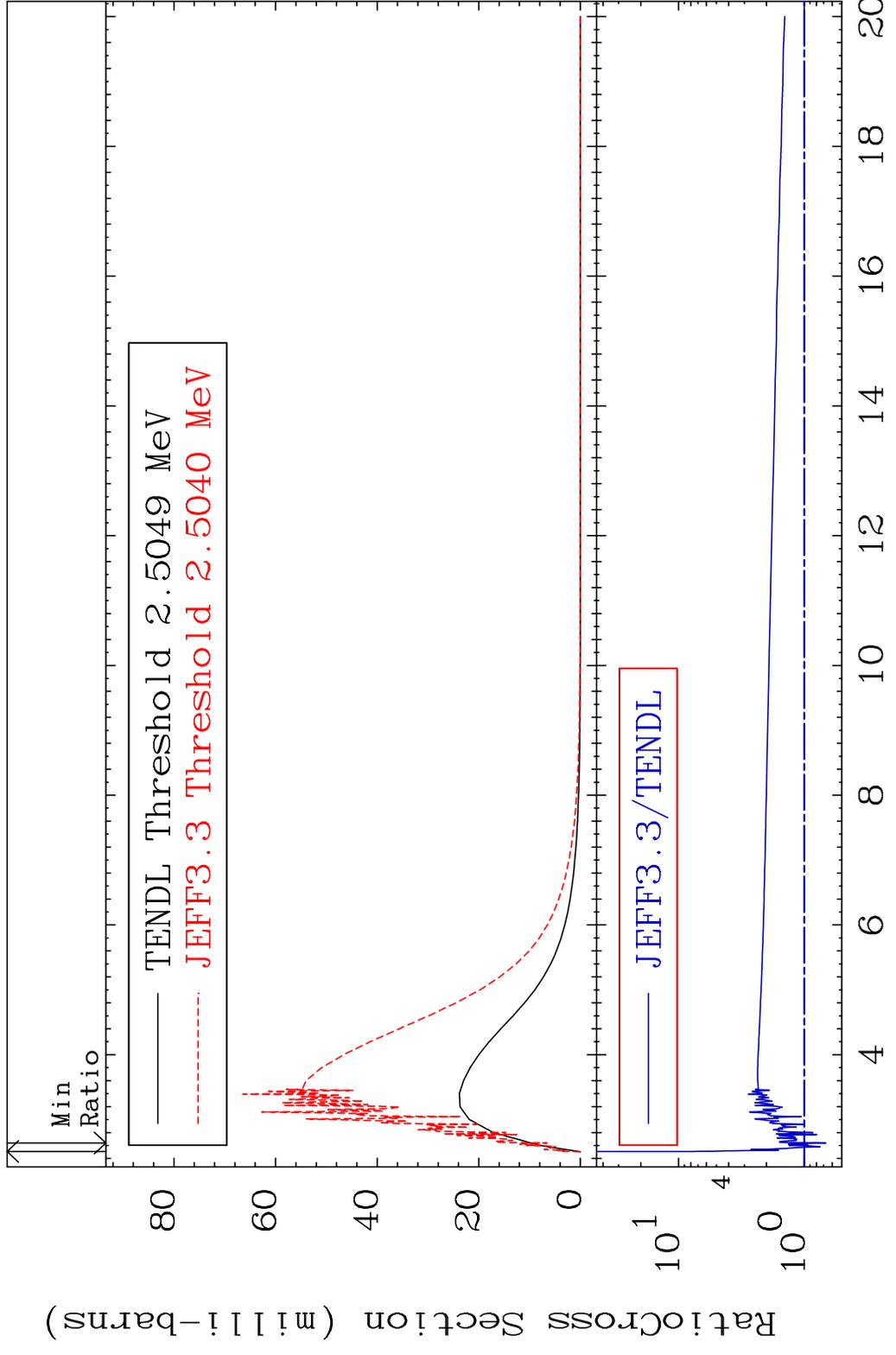


MAT 8325 MT= 53 (n, n') Level 83-Bi-209
 Cross Section -66.27 To 380.8 %

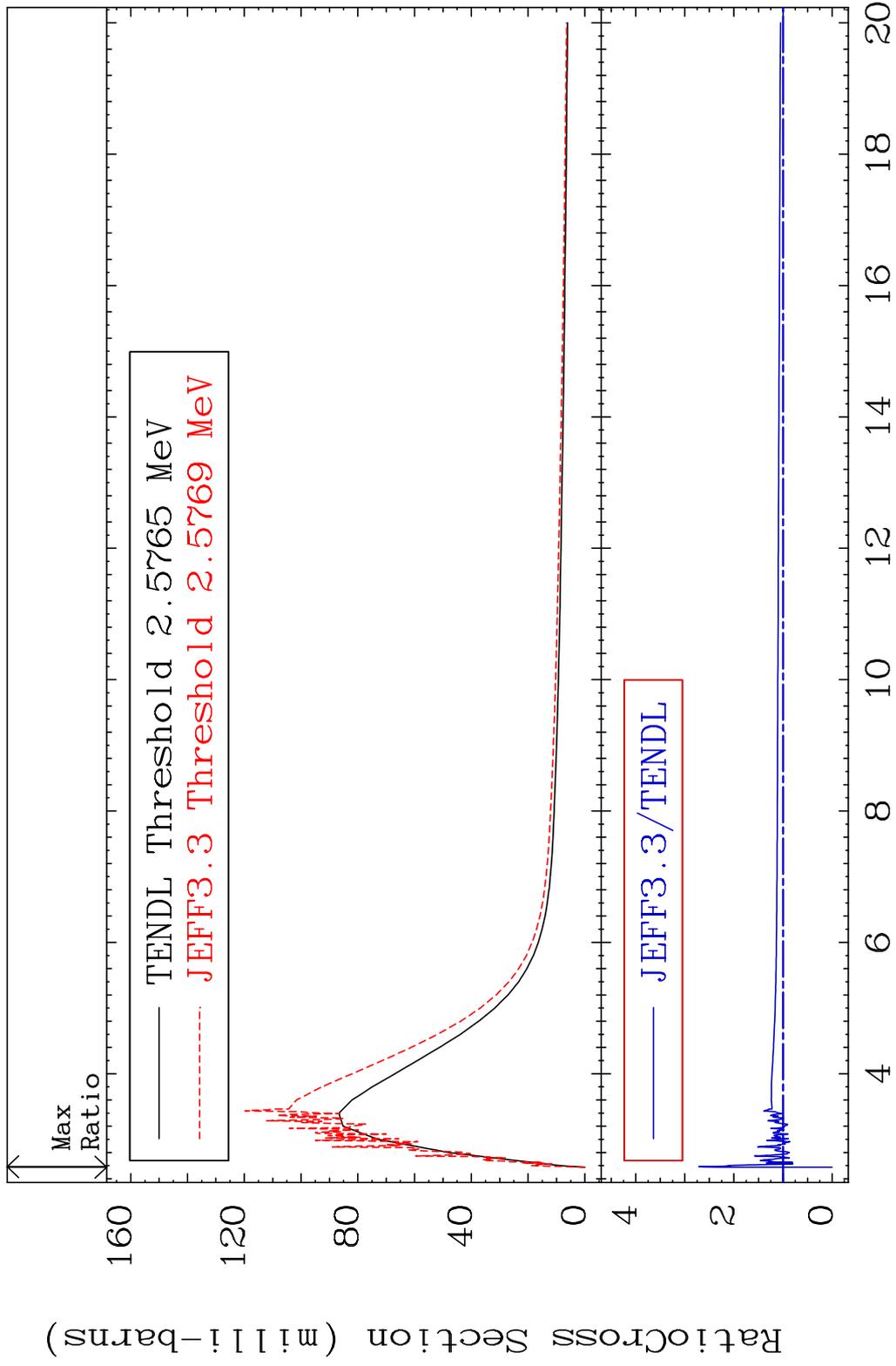


10 Incident Energy (MeV) 83-Bi-209

MAT 8325 MT= 54 (n,n') Level 83-Bi-209
 Cross Section -32.48 To 662.8 %

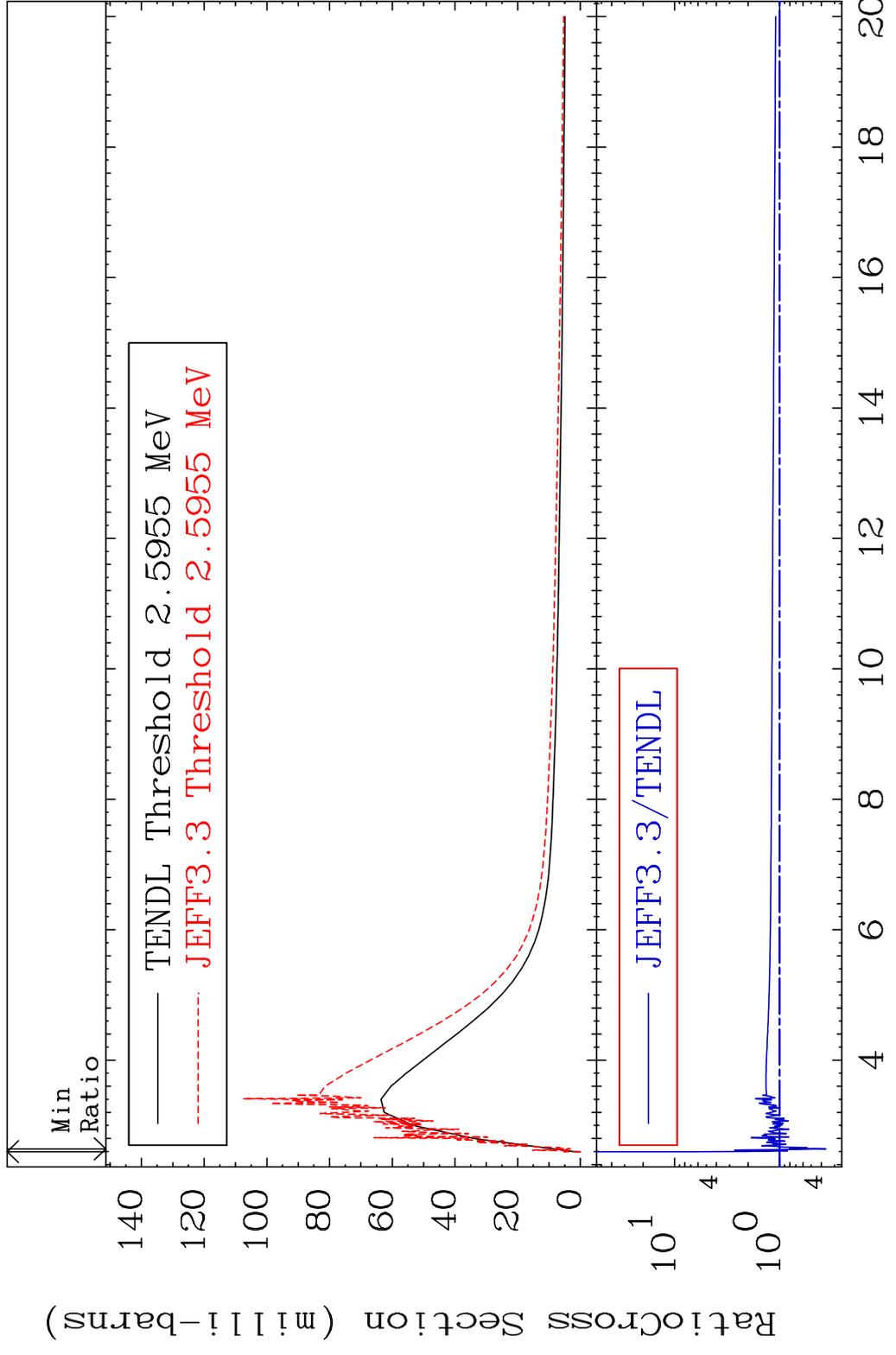


MAT 8325 MT= 55 (n, n') Level 83-Bi-209
Cross Section -100.0 To 171.7 %

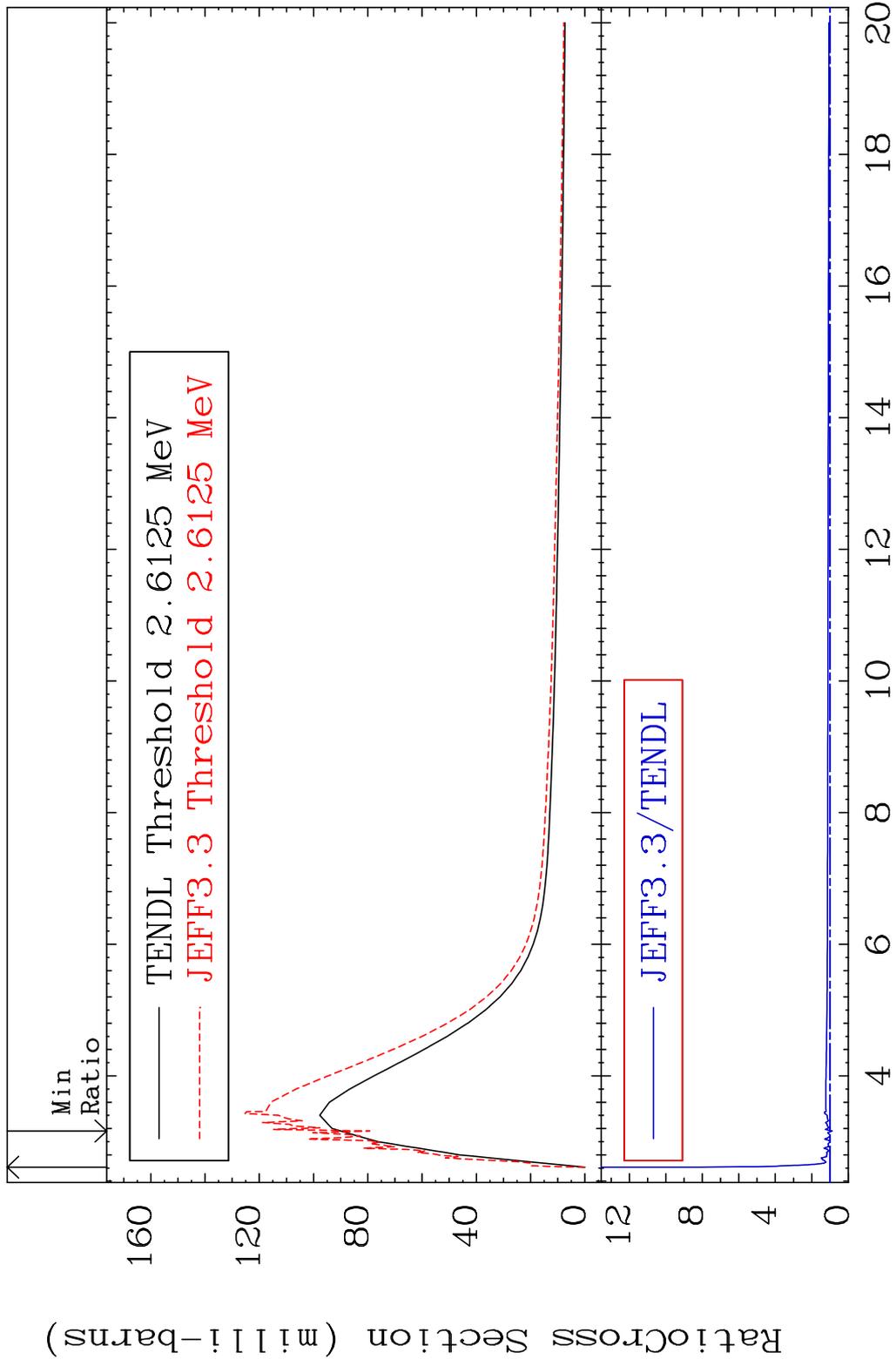


12 83-Bi-209

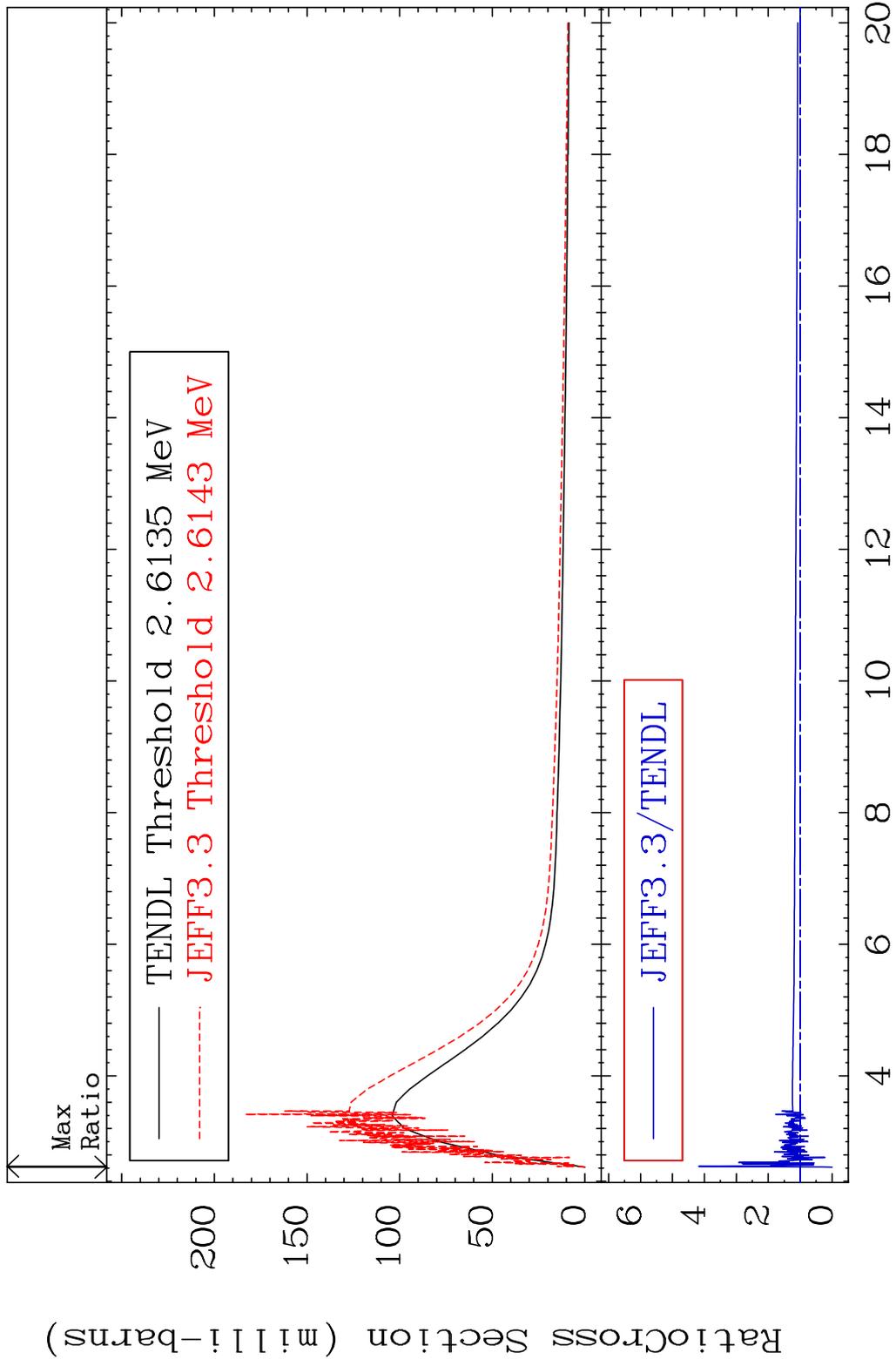
MAT 8325 MT= 56 (n,n') Level 83-Bi-209
 Cross Section -63.59 To 563.9 %



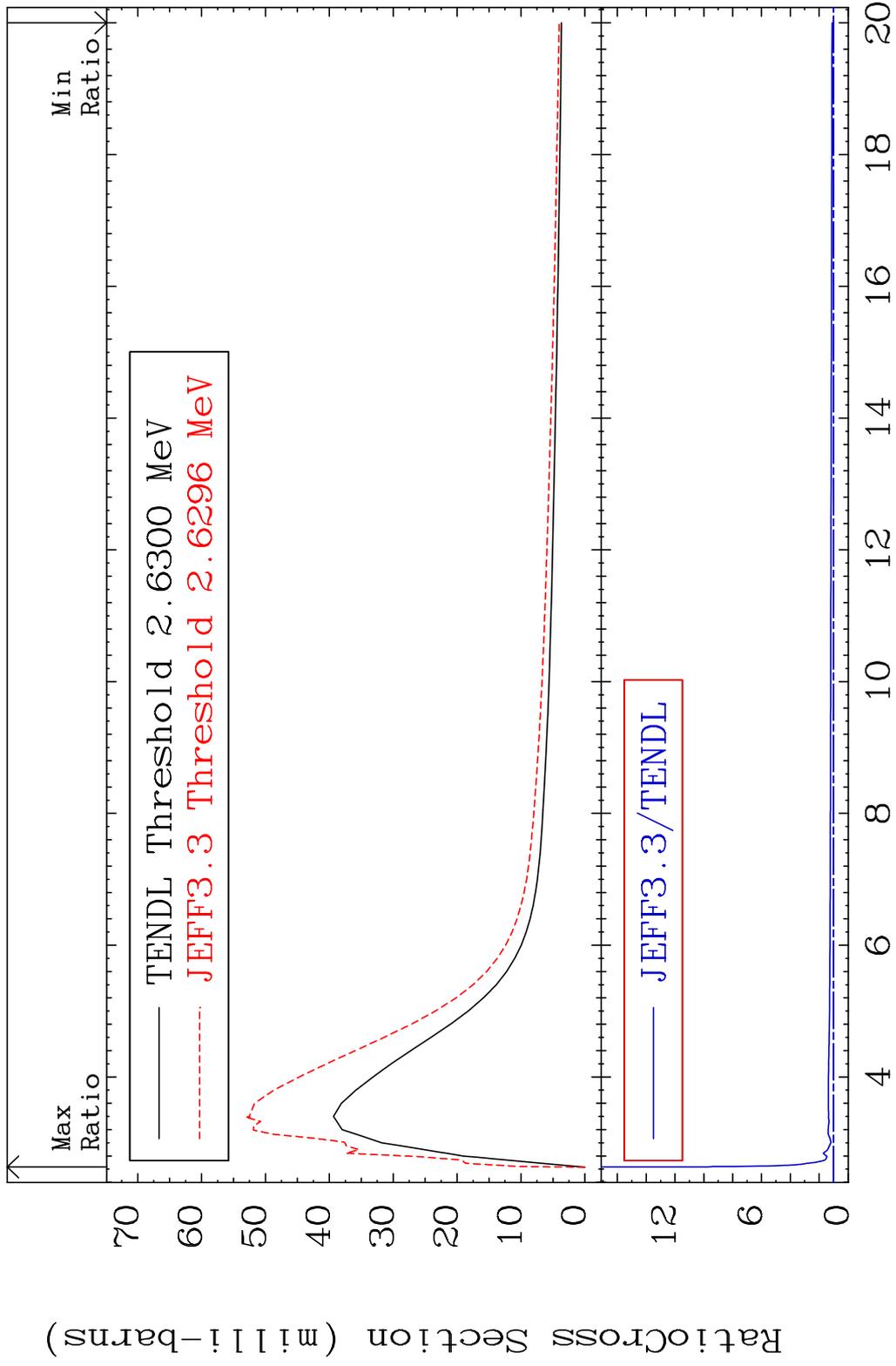
MAT 8325 MT= 57 (n,n') Level 83-Bi-209
 Cross Section -11.78 To 719.8 %



MAT 8325 MT= 58 (n, n') Level 83-Bi-209
 Cross Section -100.0 To 317.7 %

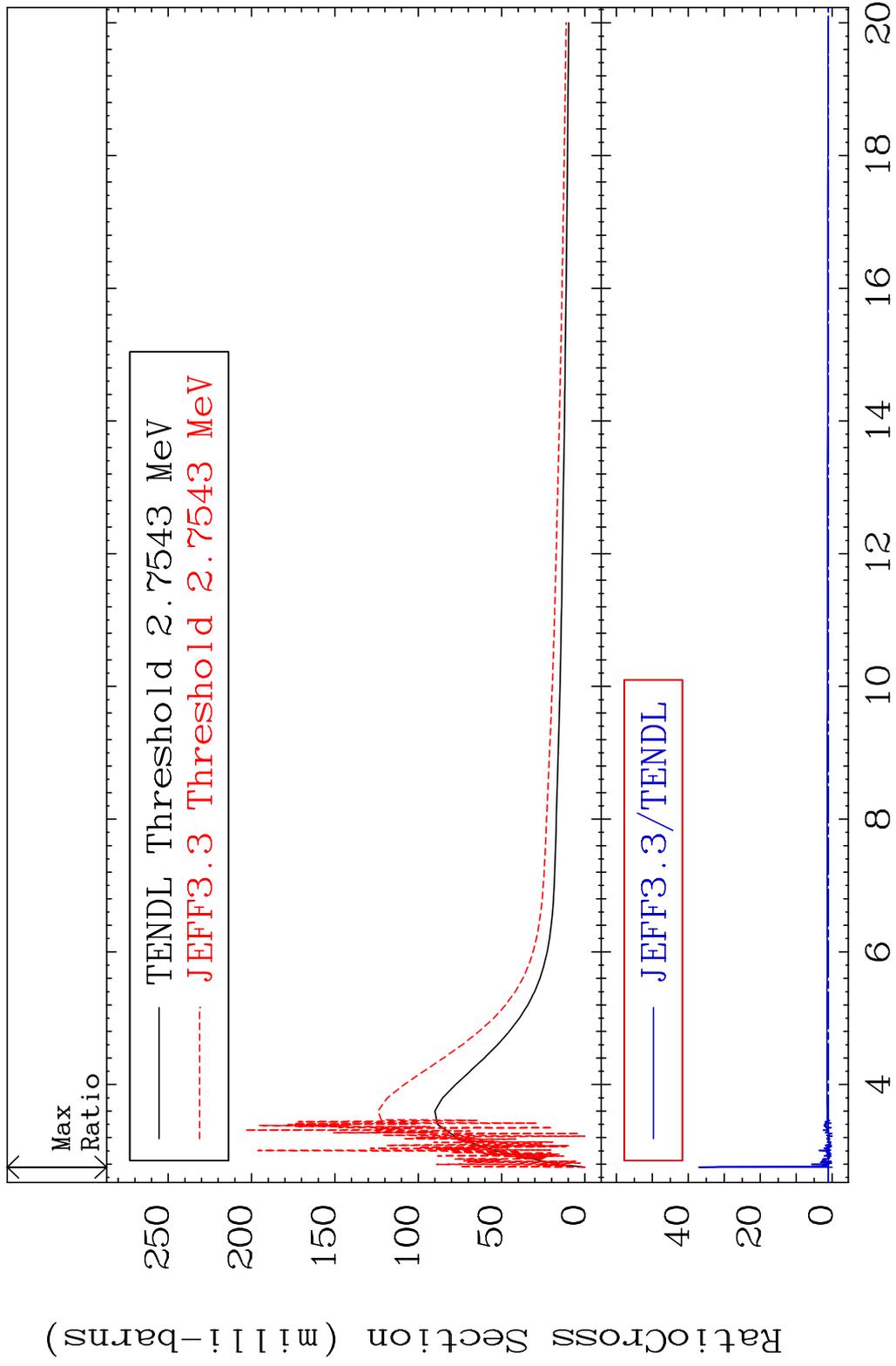


MAT 8325 MT= 59 (n, n') Level 83-Bi-209
 Cross Section 9.772 To 935.2 %

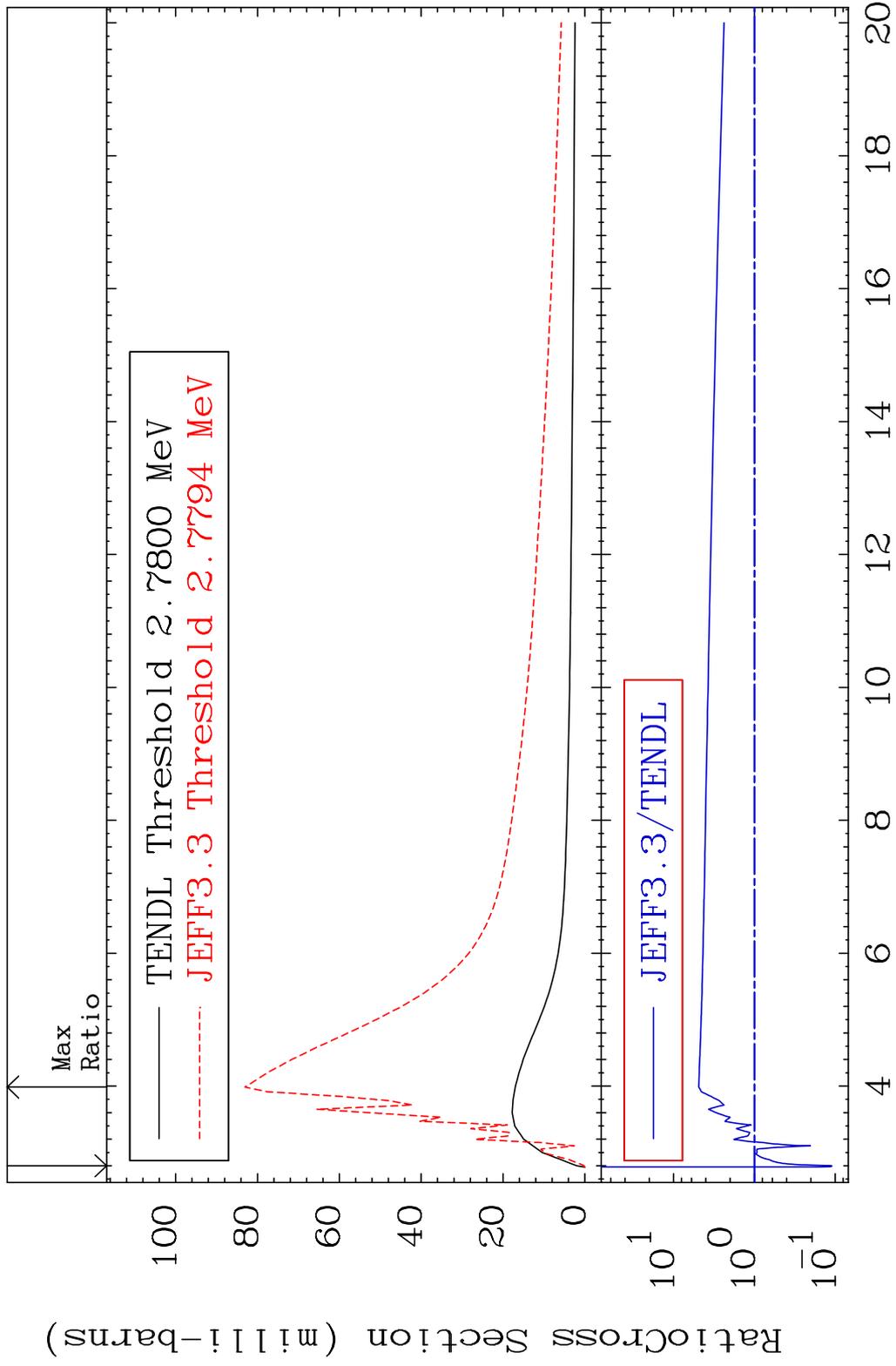


16 Incident Energy (MeV) 83-Bi-209

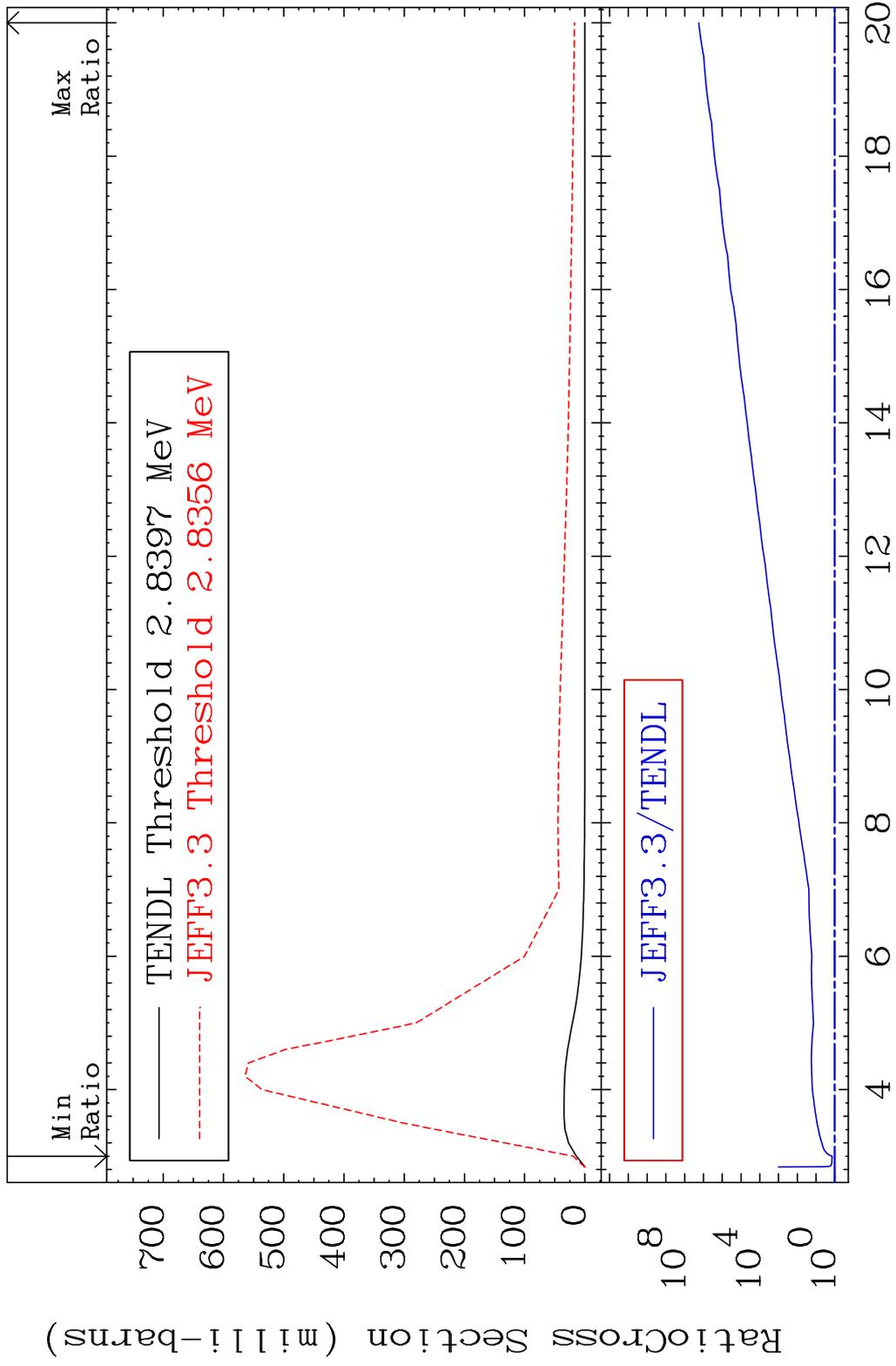
MAT 8325 MT= 60 (n,n') Level 83-Bi-209
 Cross Section -100.0 To 3607. %



MAT 8325 MT= 61 (n,n') Level 83-Bi-209
 Cross Section -89.05 To 388.8 %



MAT 8325 MT= 62 (n, n') Level 83-Bi-209
 Cross Section 39.27 To 9999. %

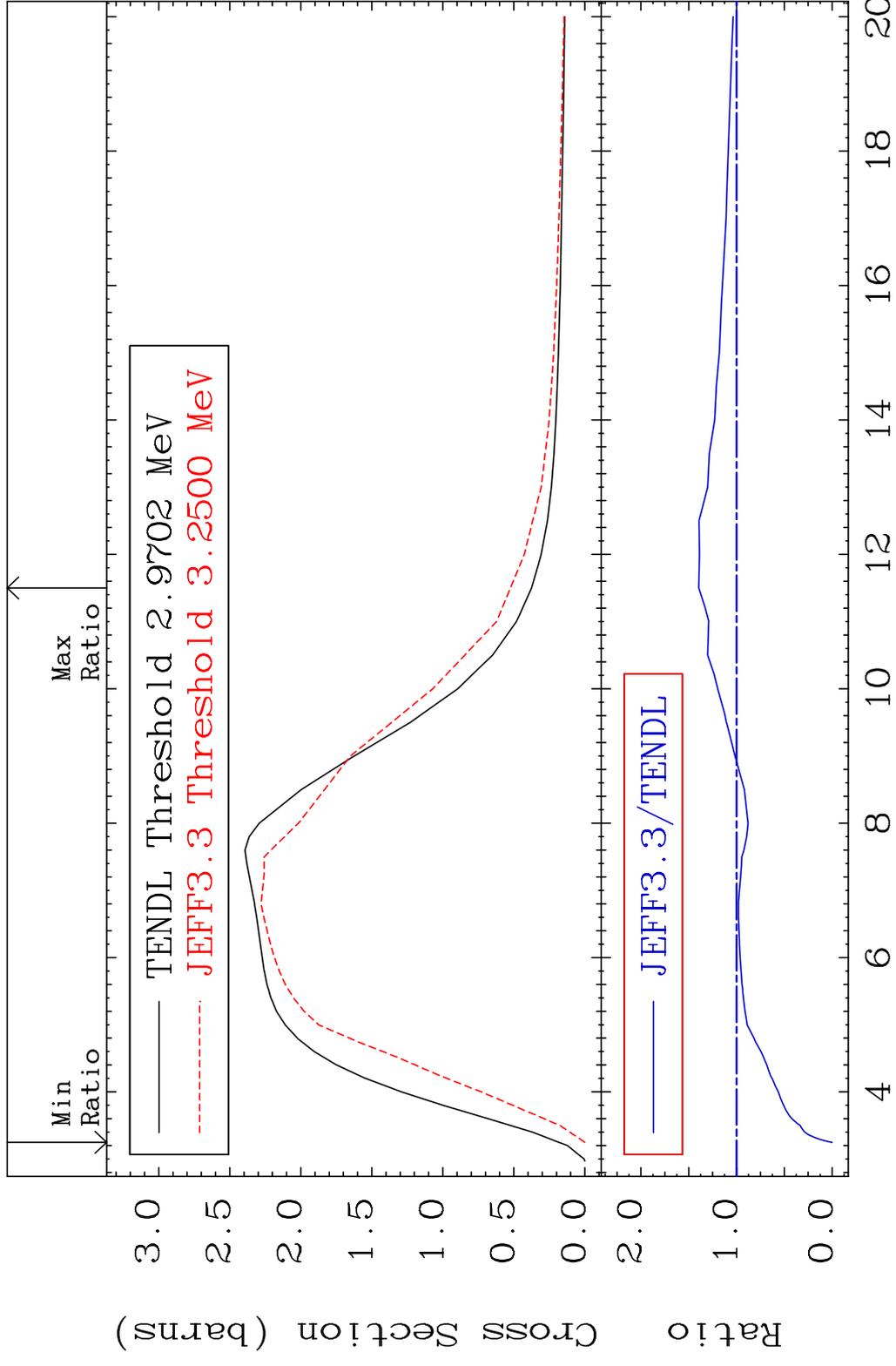


MAT 8325

(n, n') Continuum

83-Bi-209

Cross Section -100.0 To 39.54 %



20

Incident Energy (MeV)

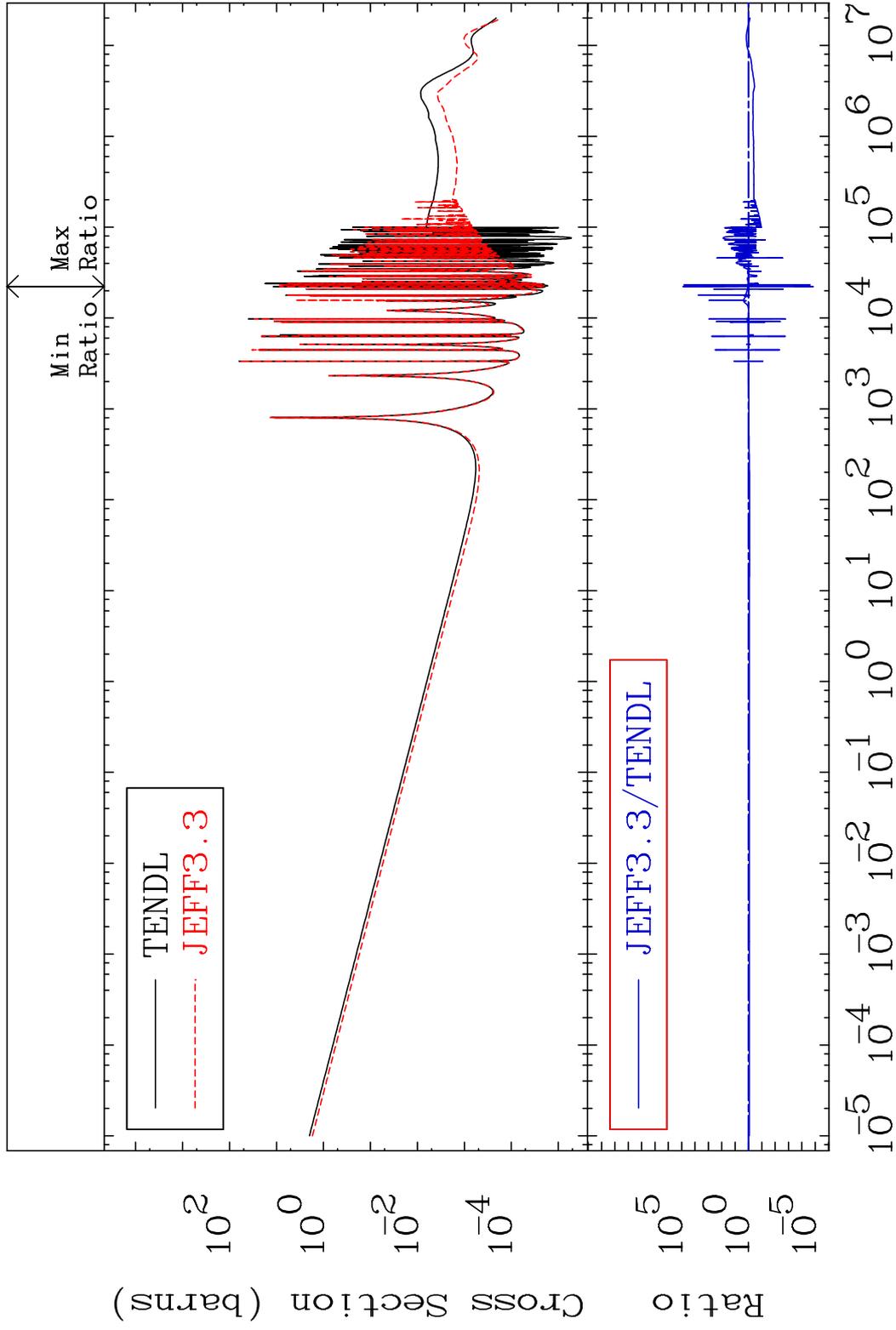
83-Bi-209

MAT 8325

(n, γ)

83-Bi-209

Cross Section -100.0 To 9999. %



21

Incident Energy (eV)

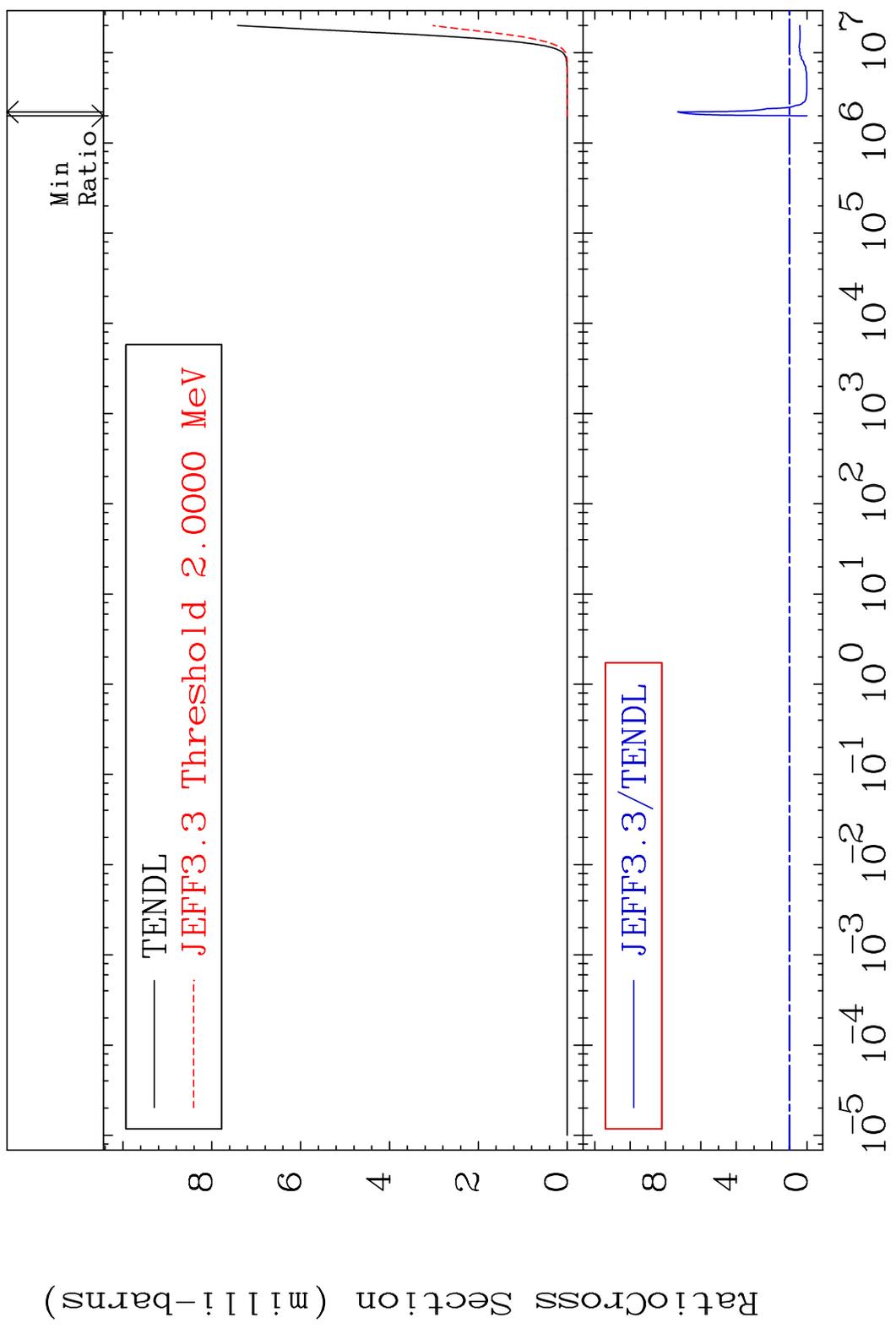
83-Bi-209

MAT 8325

(n,p)

83-Bi-209

Cross Section -100.0 To 631.2 %



22

Incident Energy (eV)

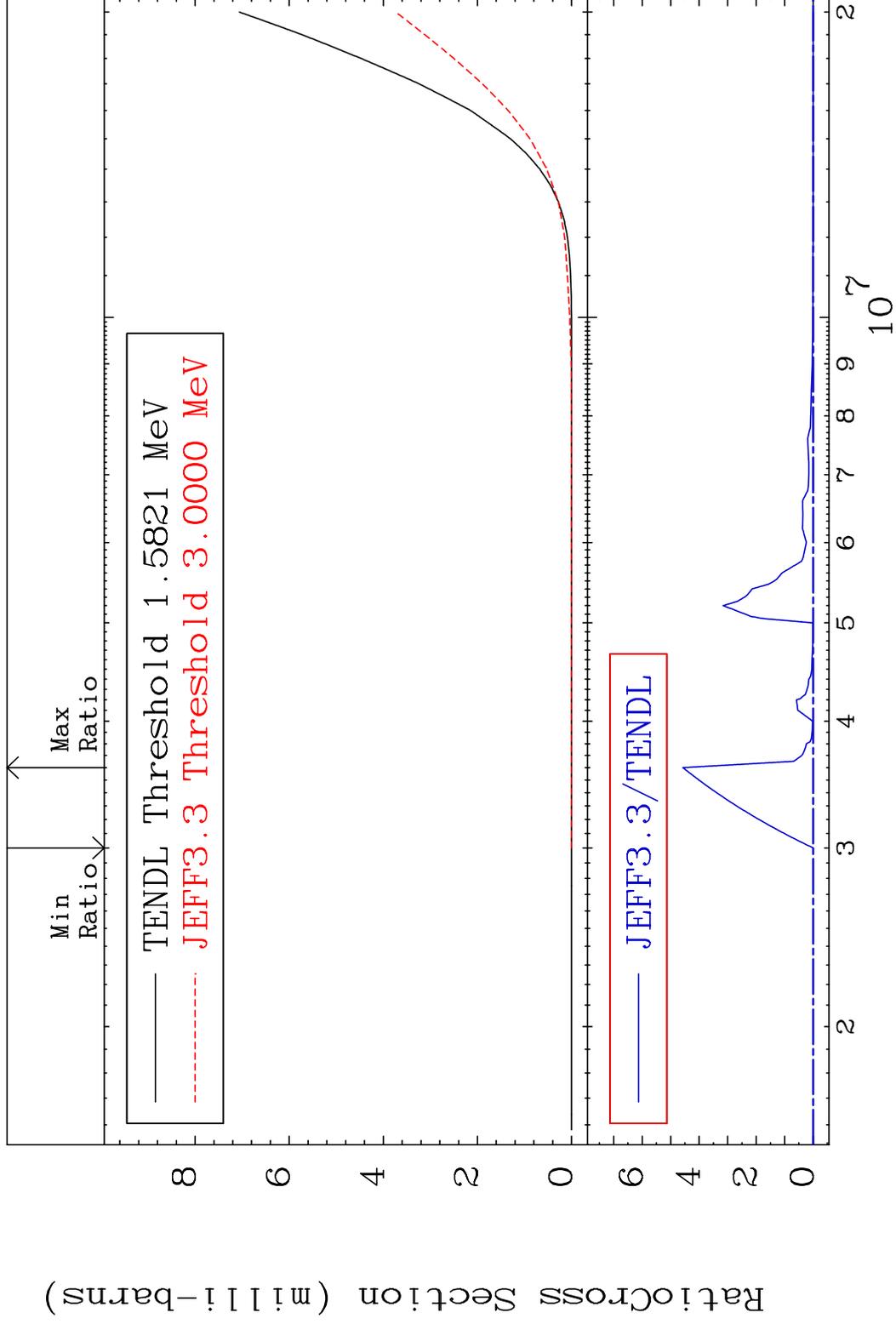
83-Bi-209

MAT 8325

(n, d)

83-Bi-209

Cross Section -100.0 To 9999. %



23

Incident Energy (eV)

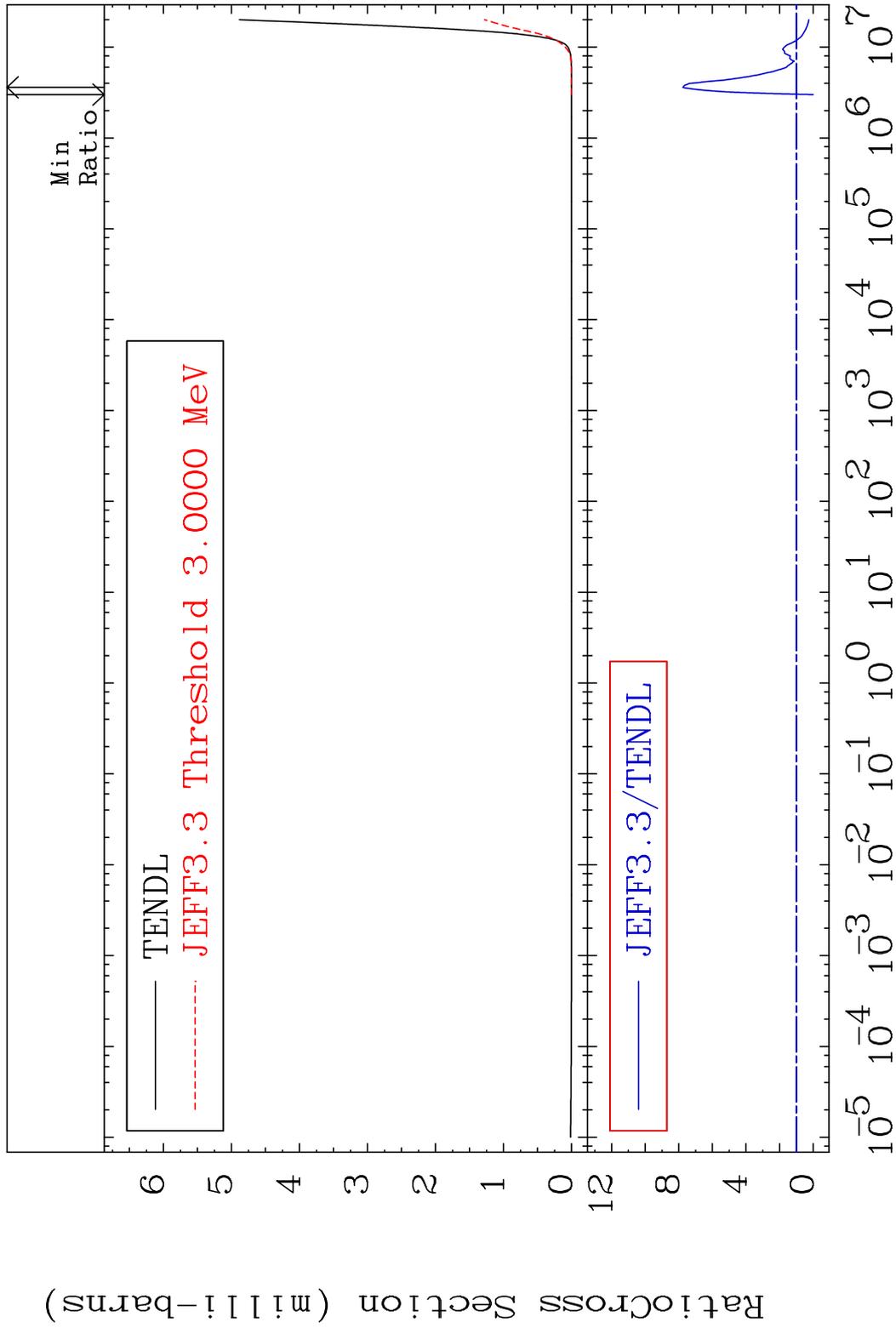
83-Bi-209

MAT 8325

(n, α)

83-Bi-209

Cross Section -100.0 To 675.9 %



24

Incident Energy (eV)

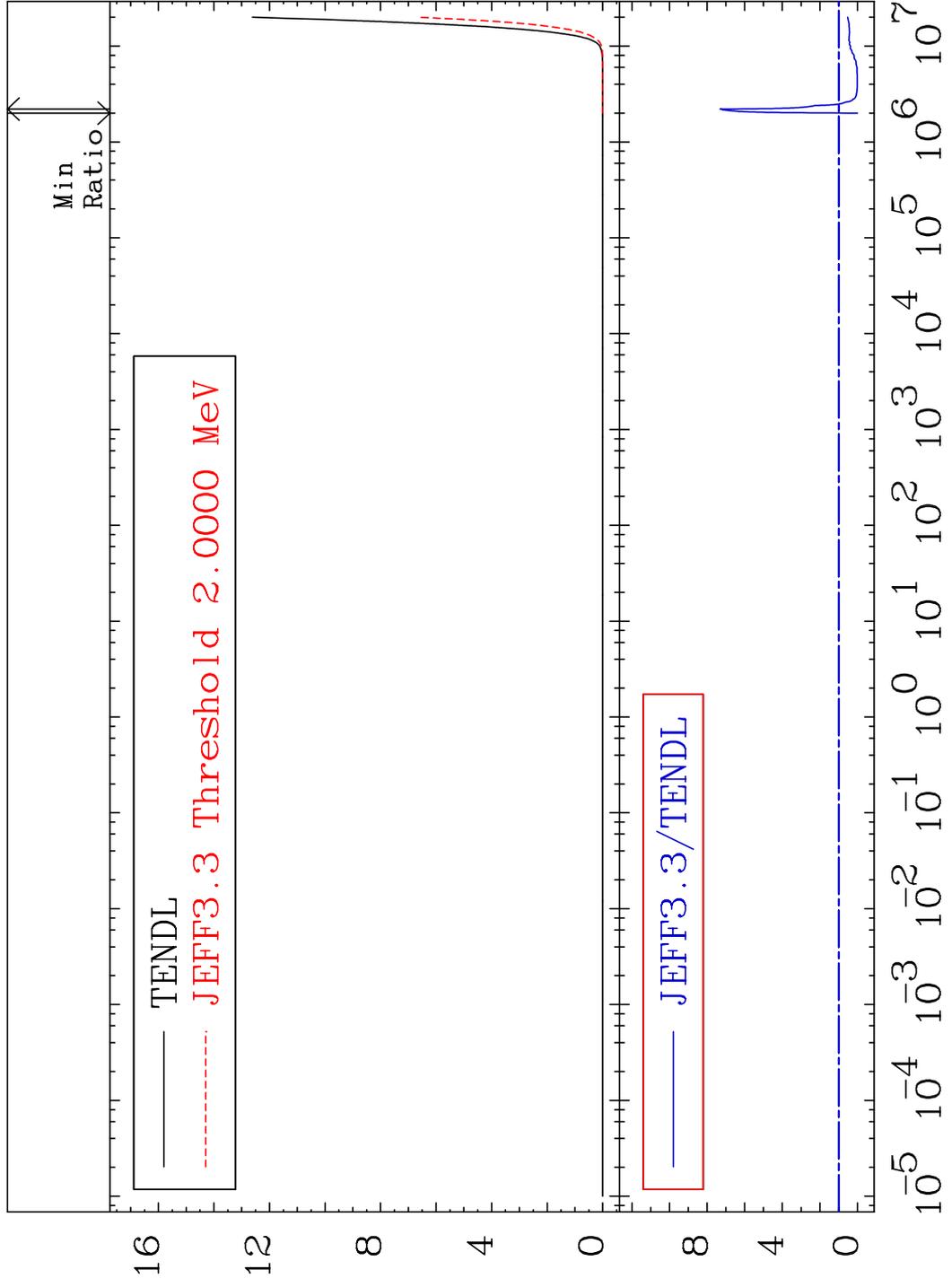
83-Bi-209

MAT 8325

Hydrogen Production
Cross Section -100.0 To 631.2 %

83-Bi-209

RatioCross Section (milli-barns)

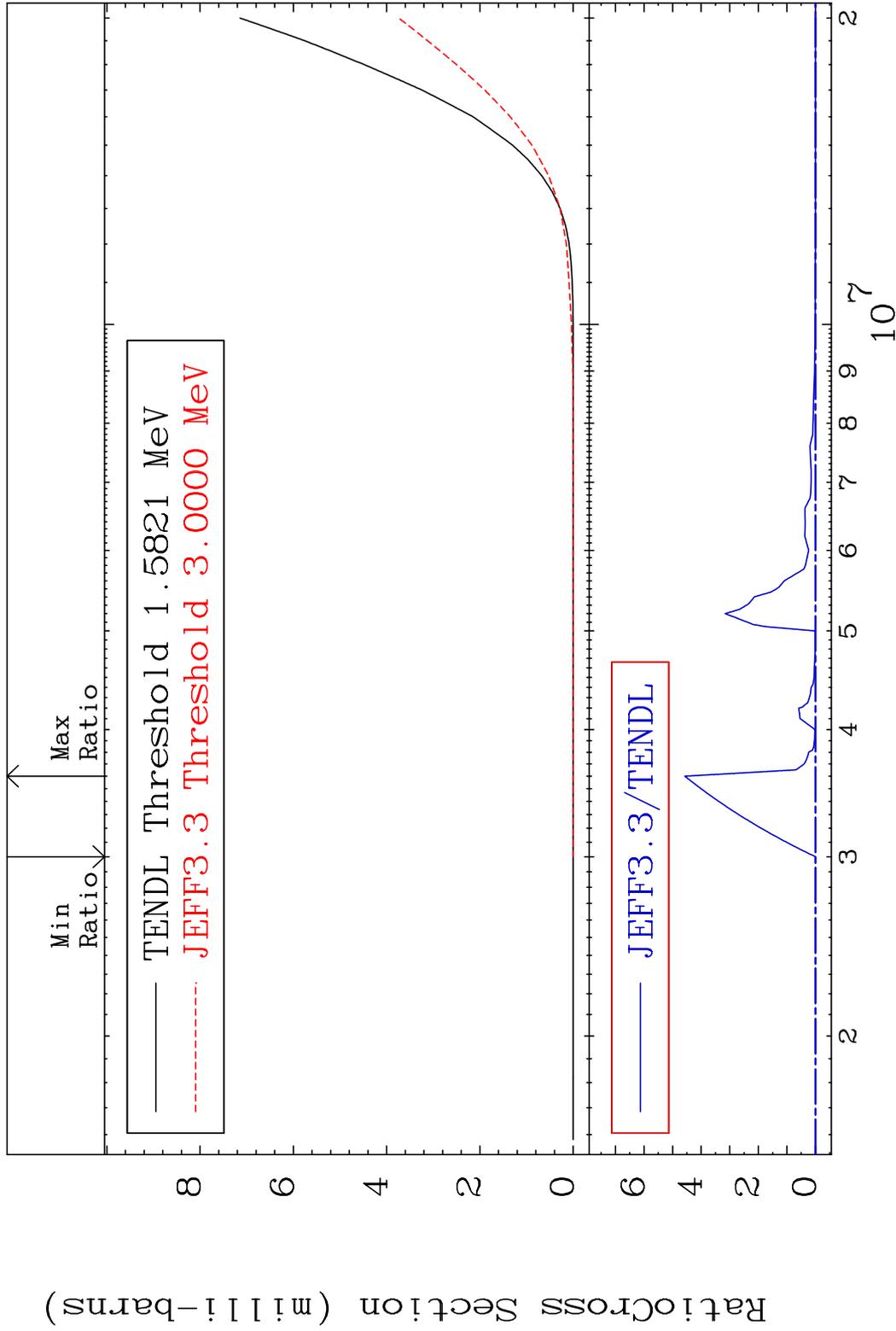


25

Incident Energy (eV)

83-Bi-209

Cross Section -100.0 To 9999. %

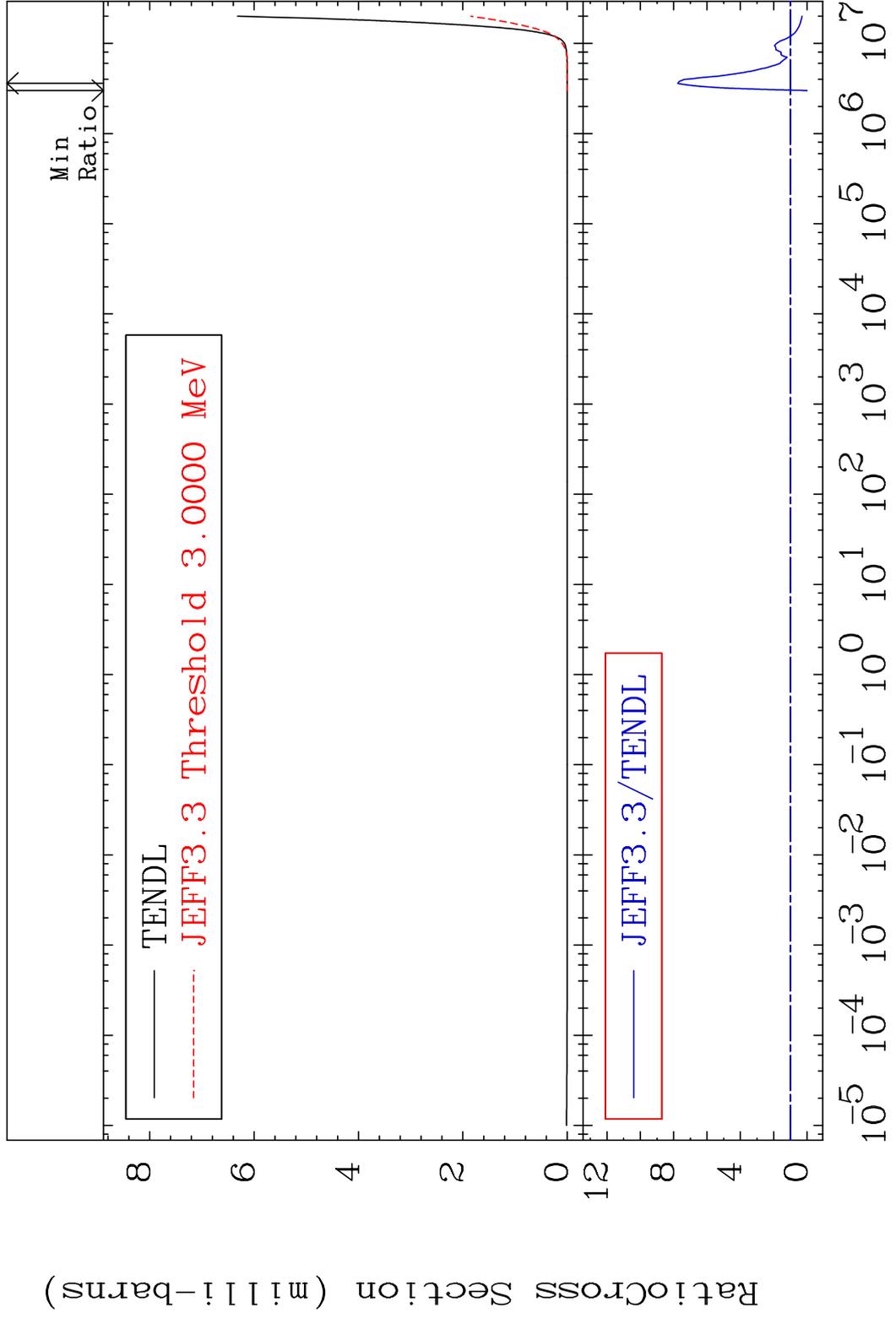


MAT 8325

He-4 Production

83-Bi-209

Cross Section -100.0 To 675.9 %



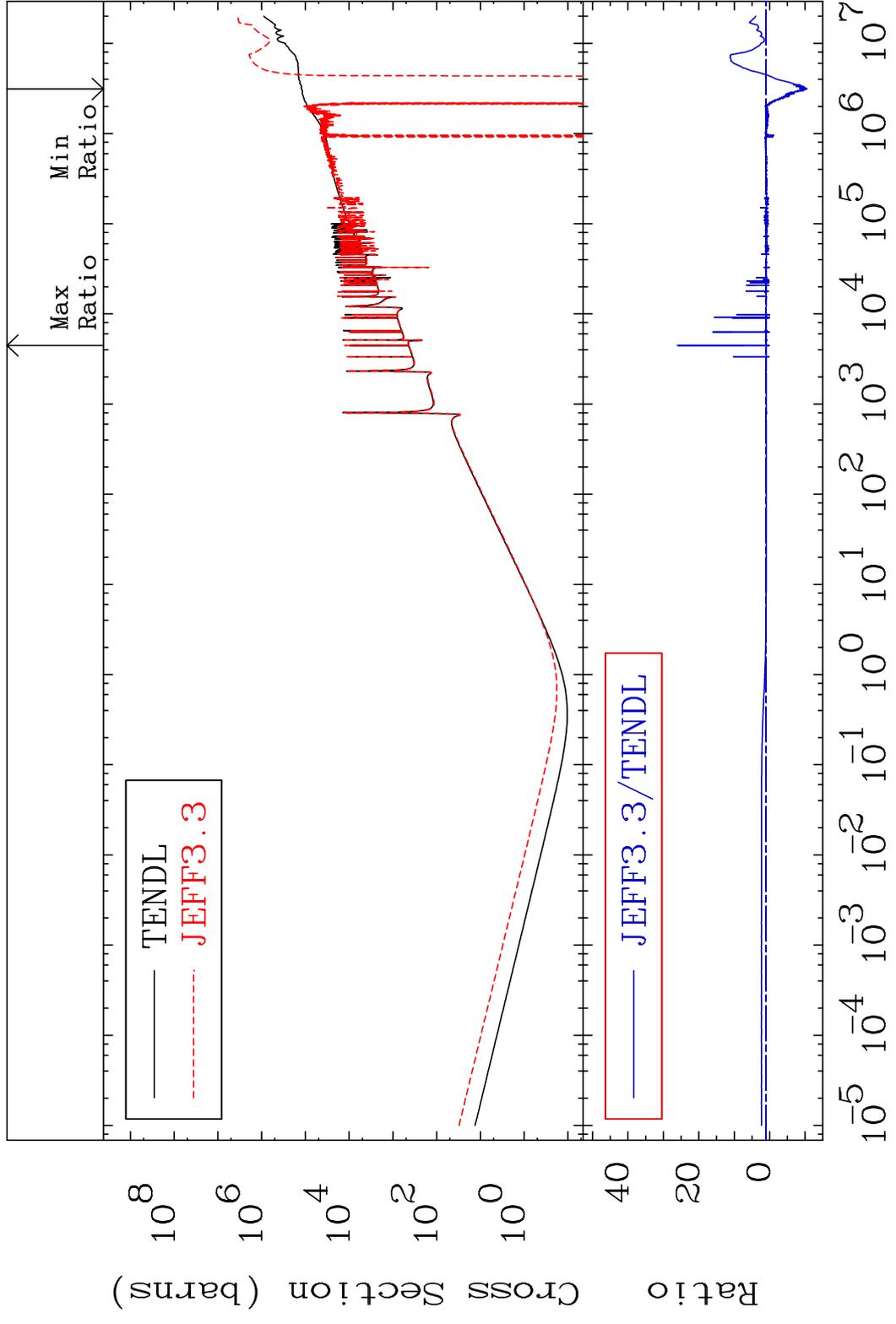
27

Incident Energy (eV)

83-Bi-209

MAT 8325

Kerma total (eV-barns) 83-Bi-209
Cross Section -1154. To 2497. %



28

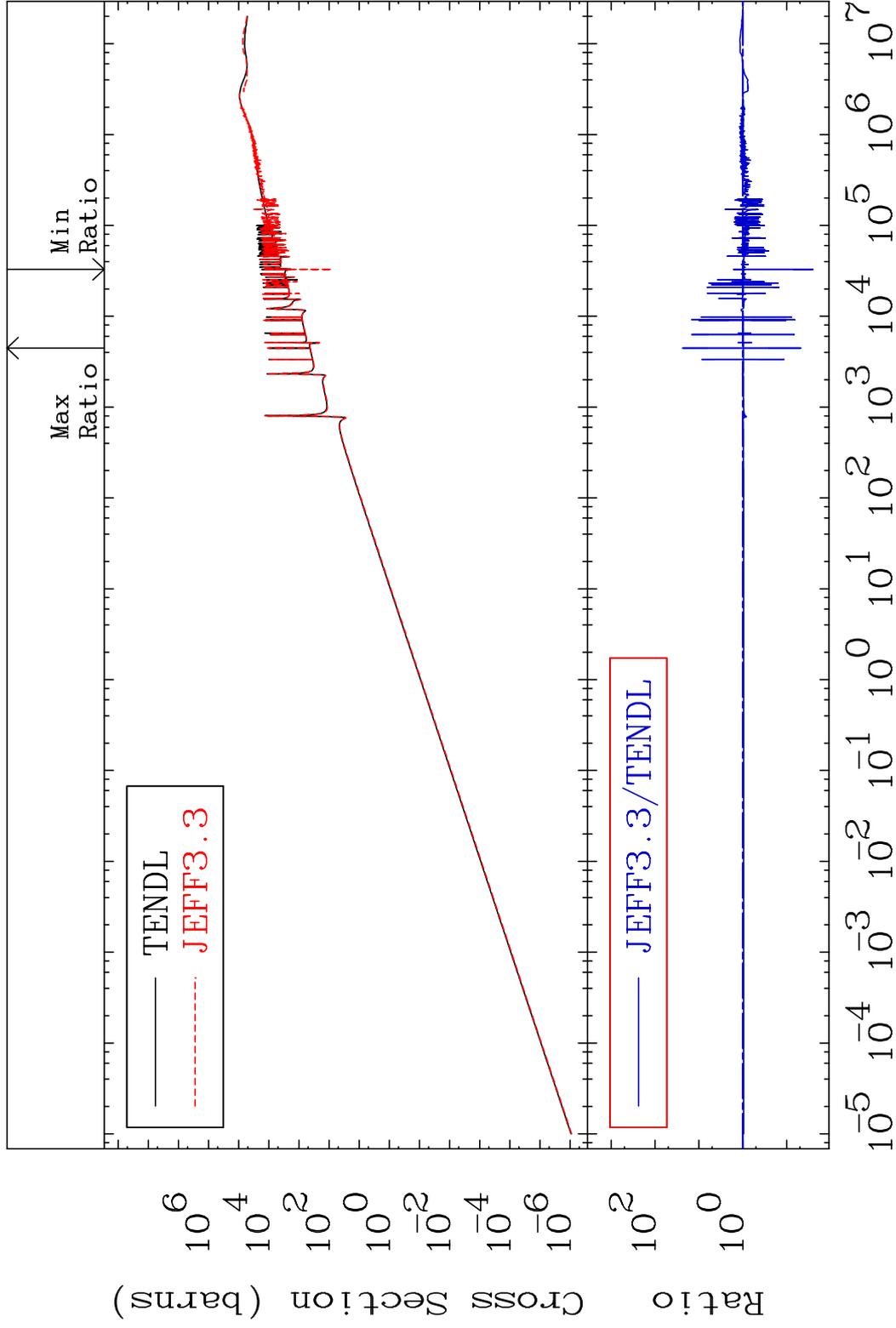
Incident Energy (eV)

83-Bi-209

MAT 8325

Kerma elastic
Cross Section

83-Bi-209
-97.51 To 2224. %

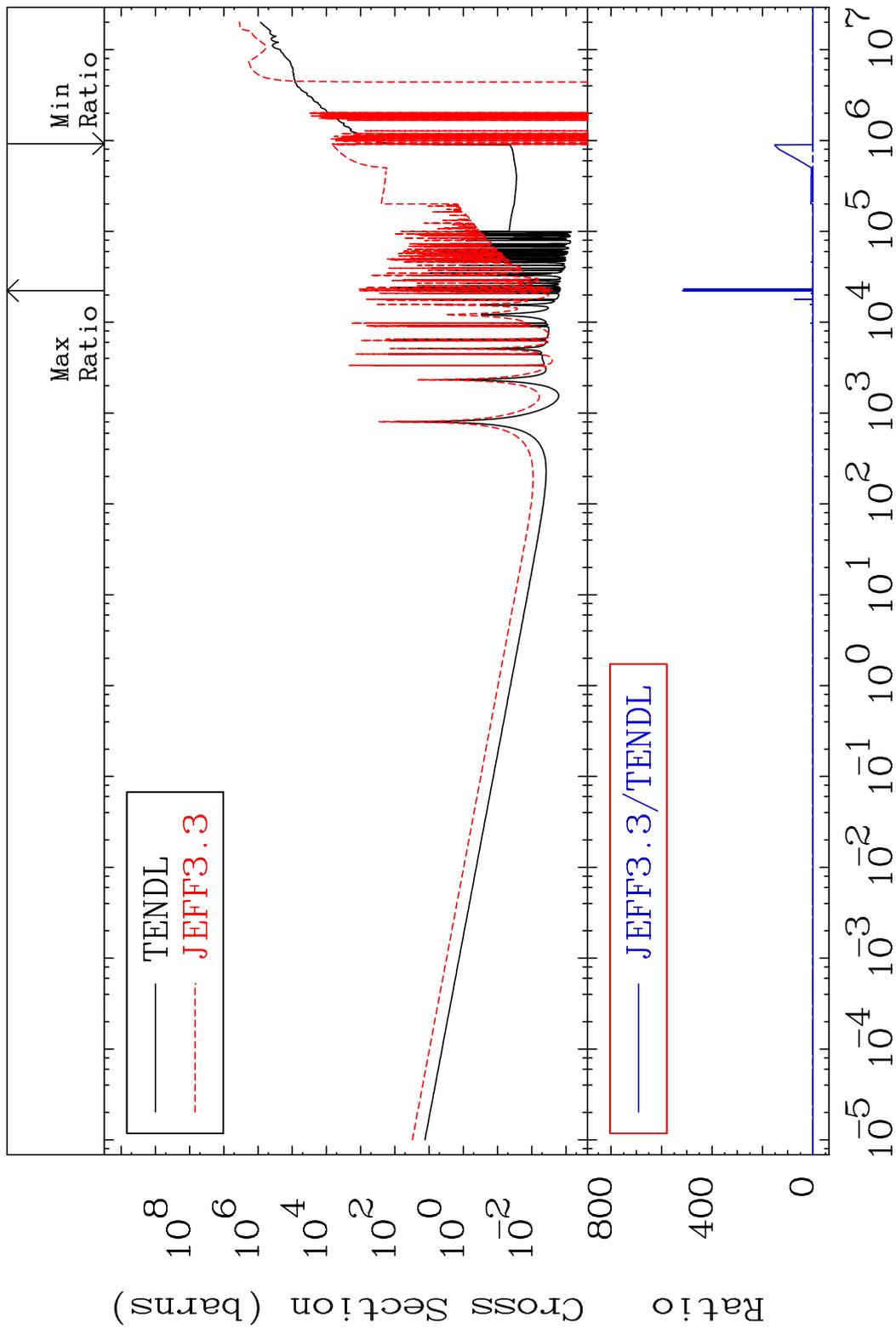


29

Incident Energy (eV)

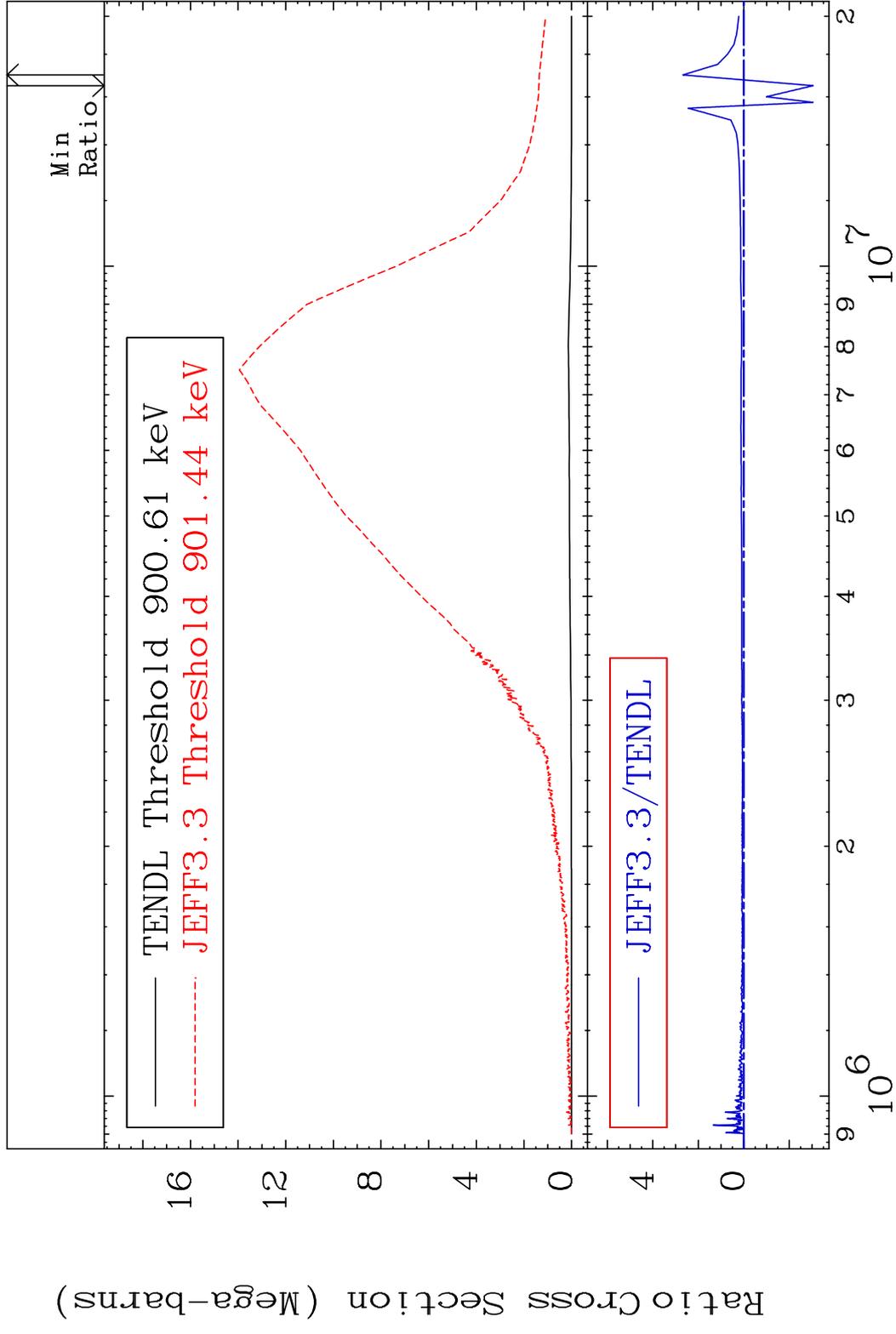
83-Bi-209

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

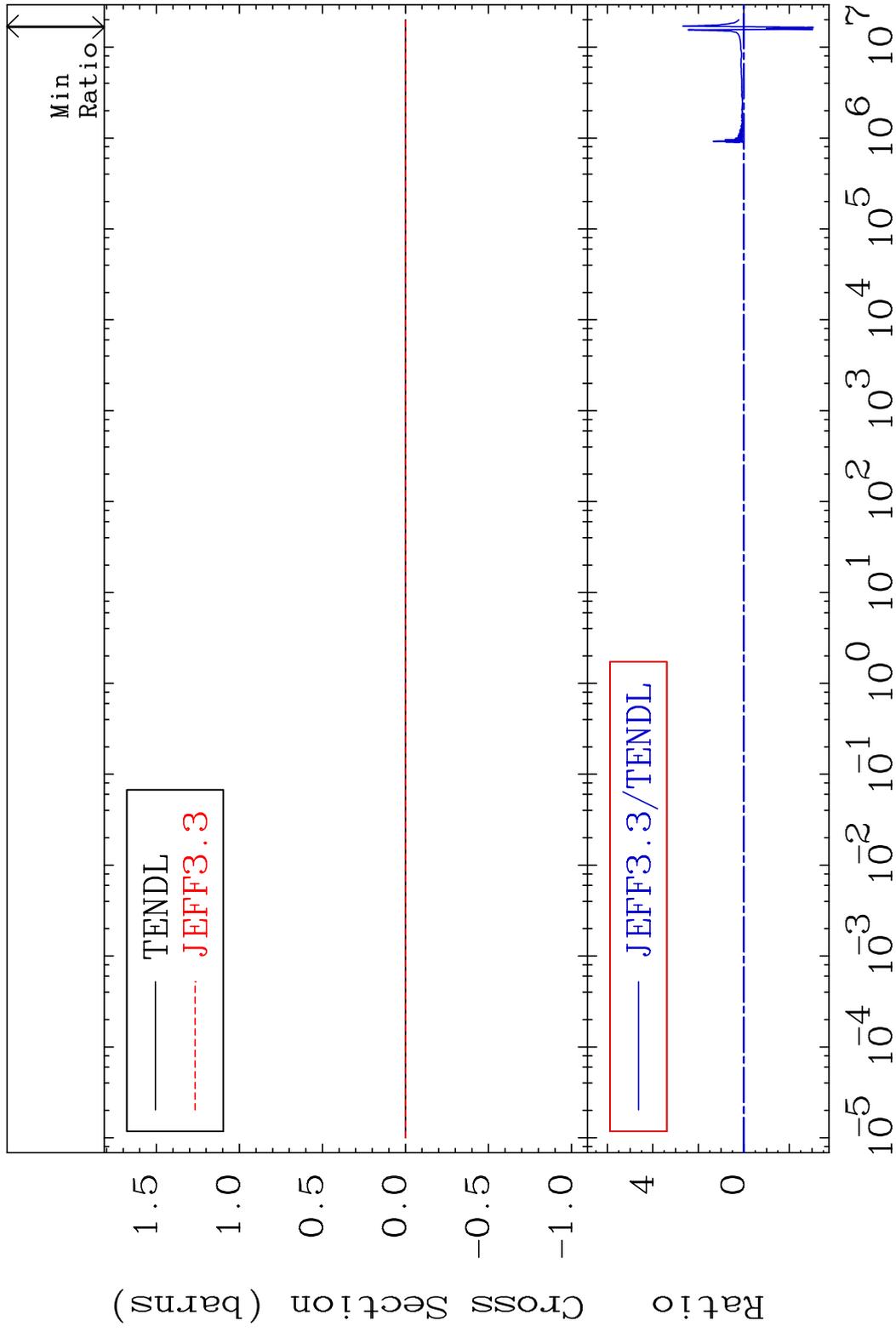


30 Incident Energy (eV) 83-Bi-209

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



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

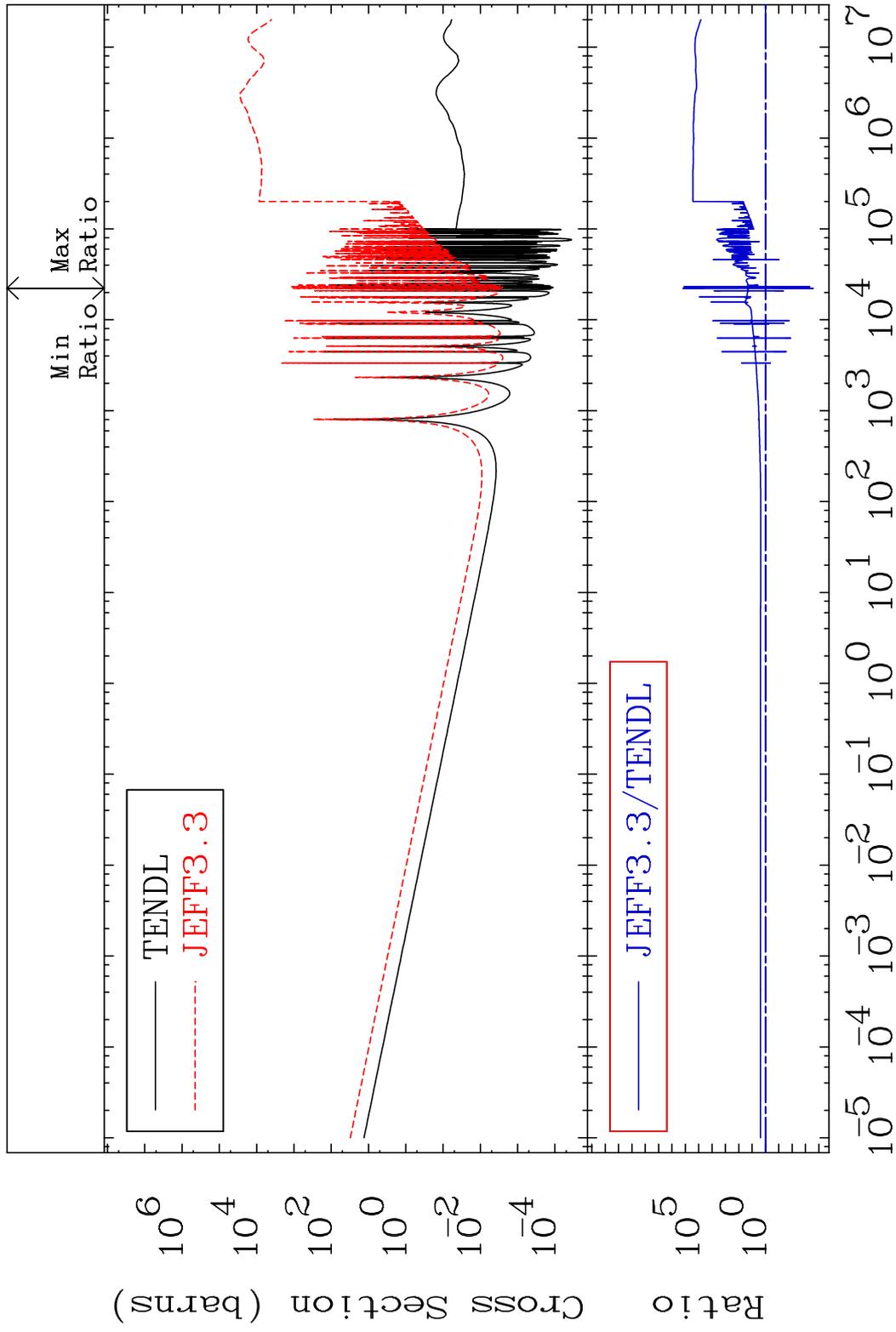


MAT 8325

Kerma capture (mt102)

83-Bi-209

Cross Section -99.97 To 9999. %

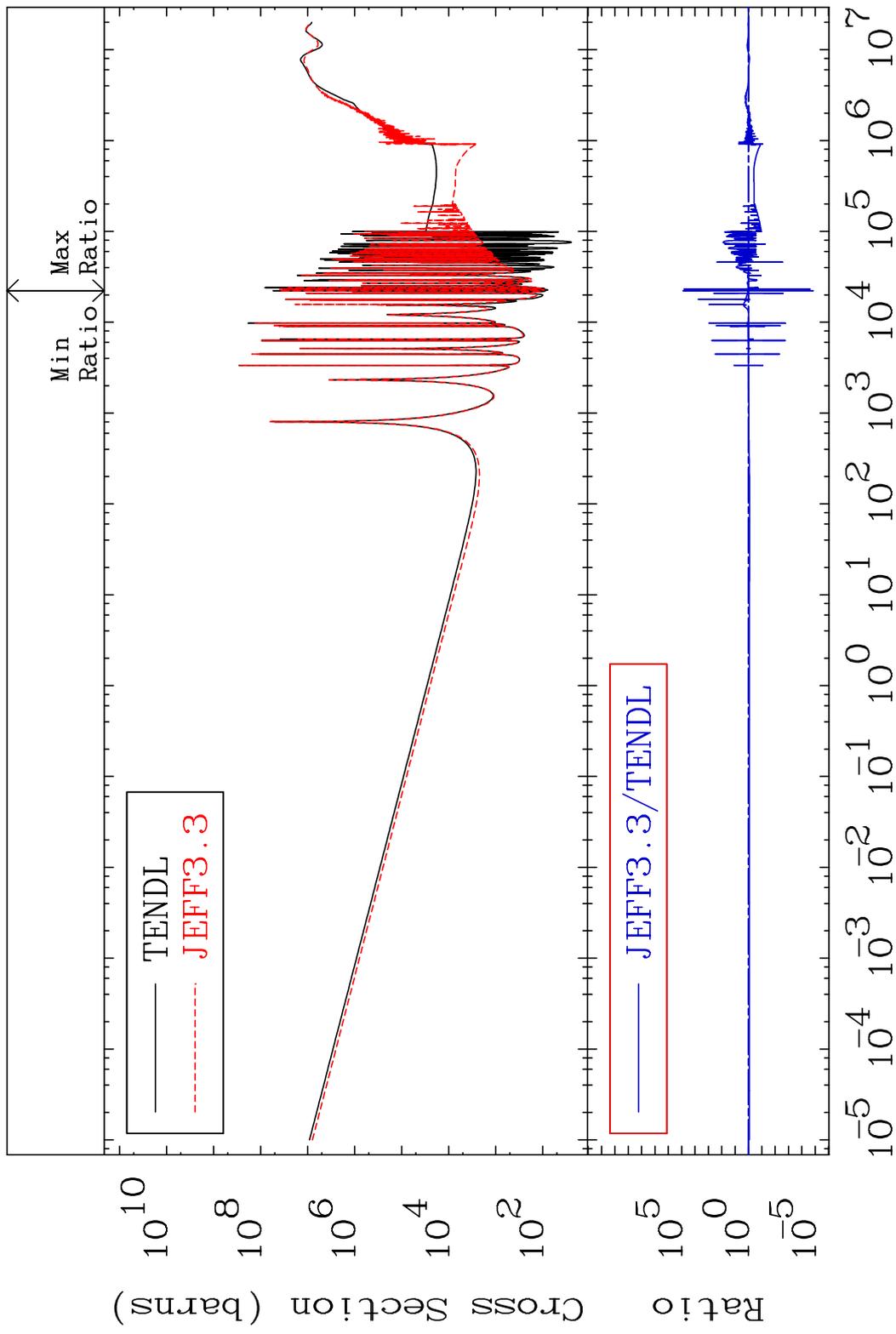


33

Incident Energy (eV)

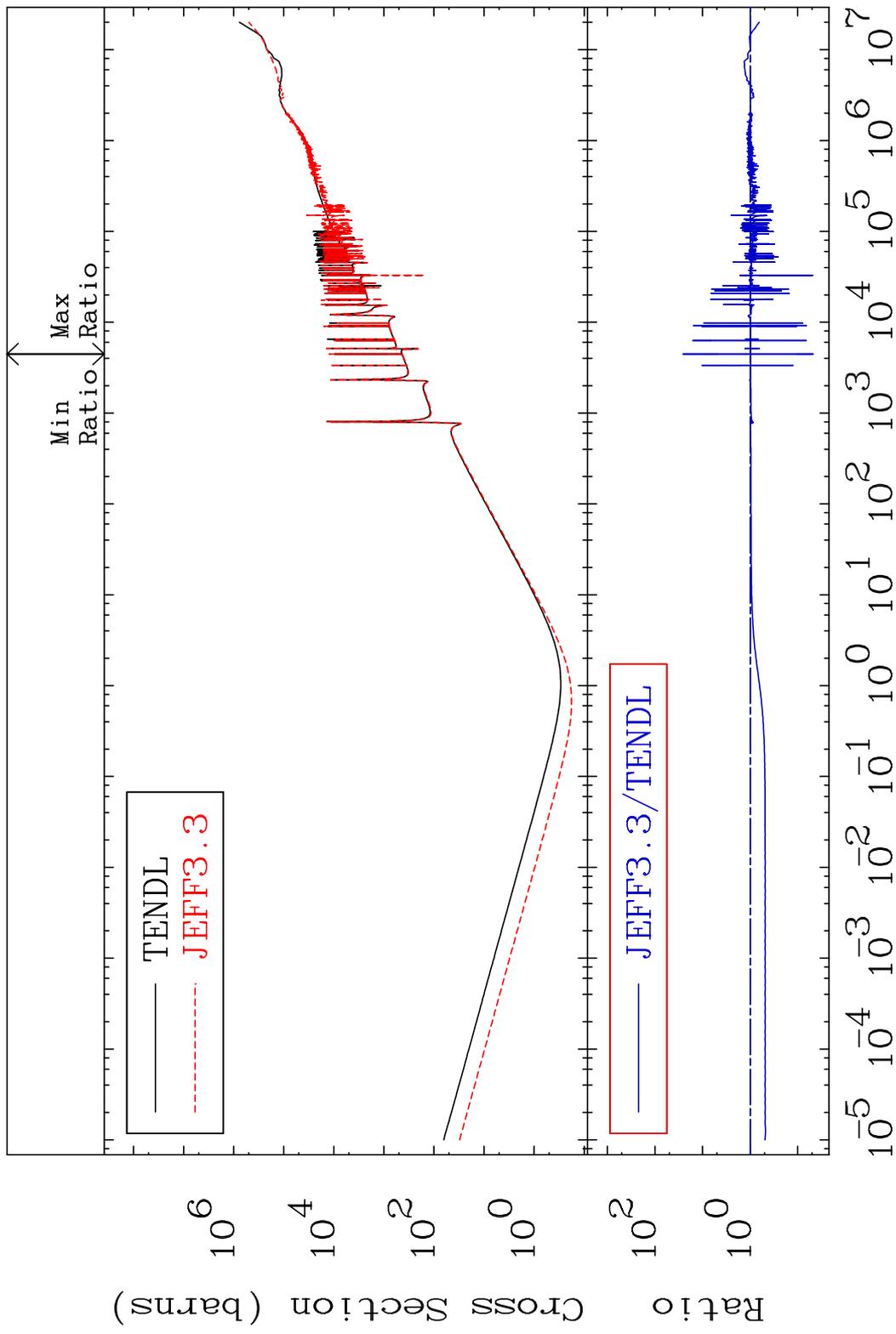
83-Bi-209

MAT 8325 Total photon (eV-barns) 83-Bi-209
 Cross Section -100.0 To 9999. %



34 Incident Energy (eV) 83-Bi-209

MAT 8325 Total kinematic kerma (high limit) 83-Bi-209
 Cross Section -95.25 To 2497. %



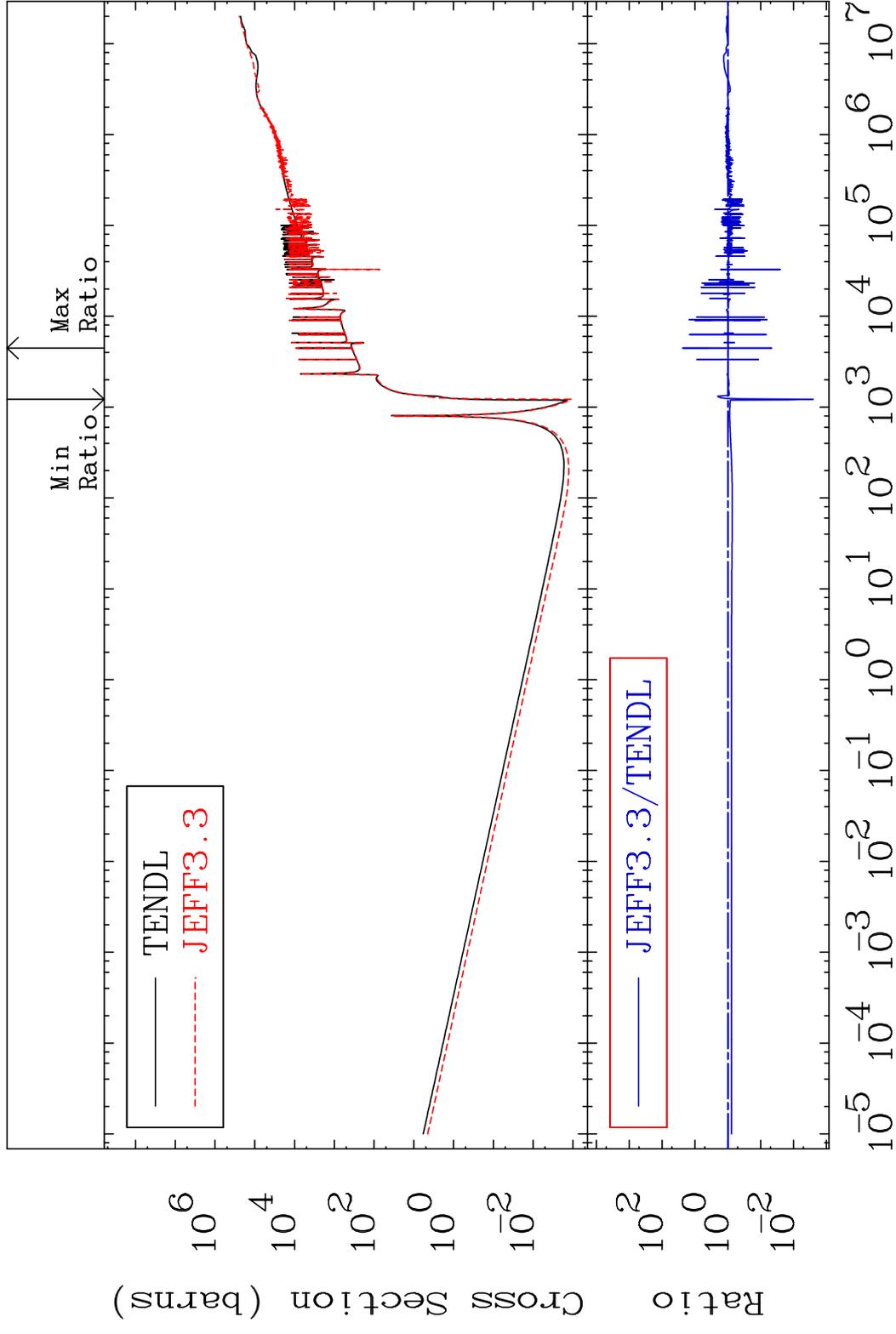
35 Incident Energy (eV) 83-Bi-209

MAT 8325

Dpa total (eV-barns)

83-Bi-209

Cross Section -99.75 To 2224. %



36

Incident Energy (eV)

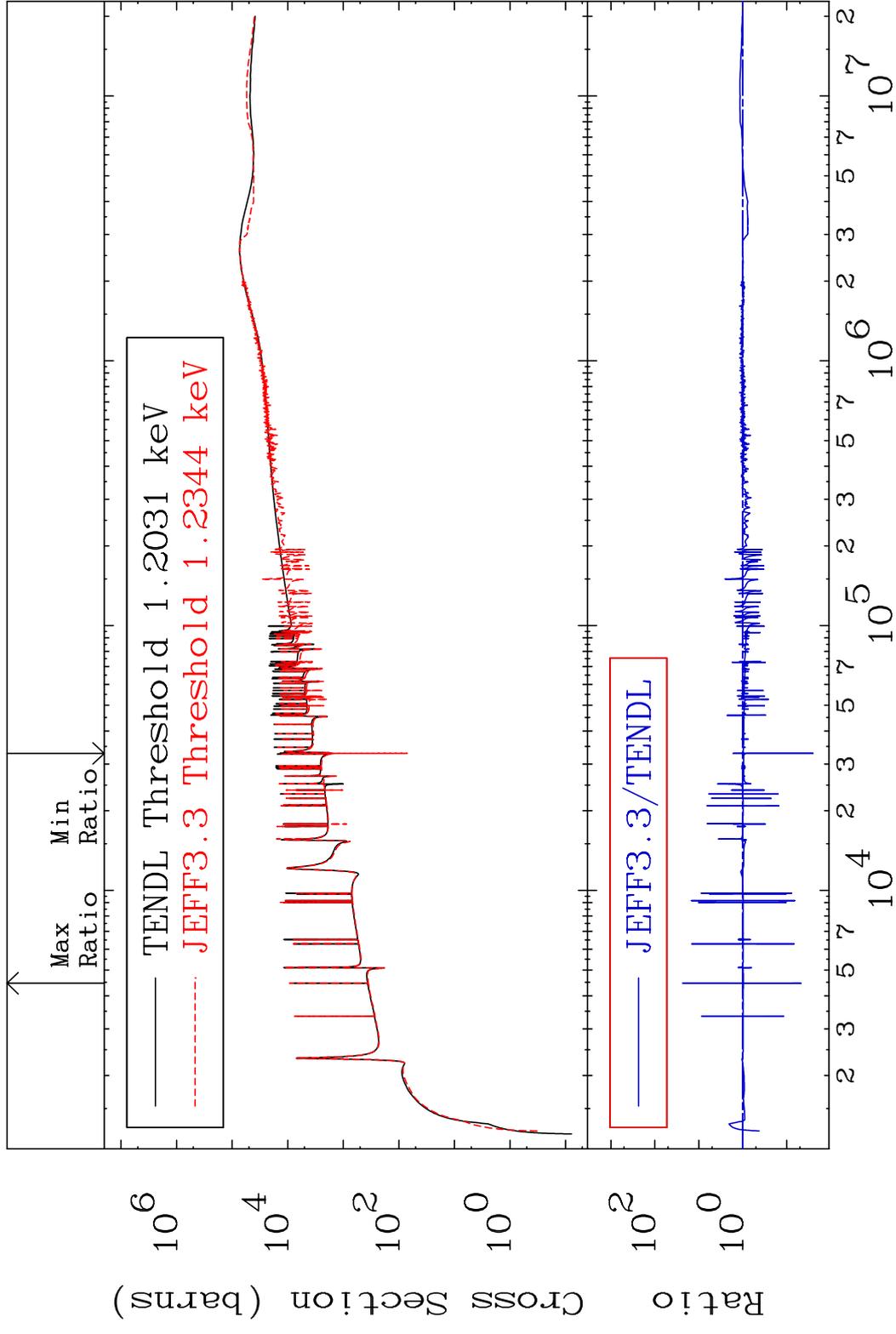
83-Bi-209

MAT 8325

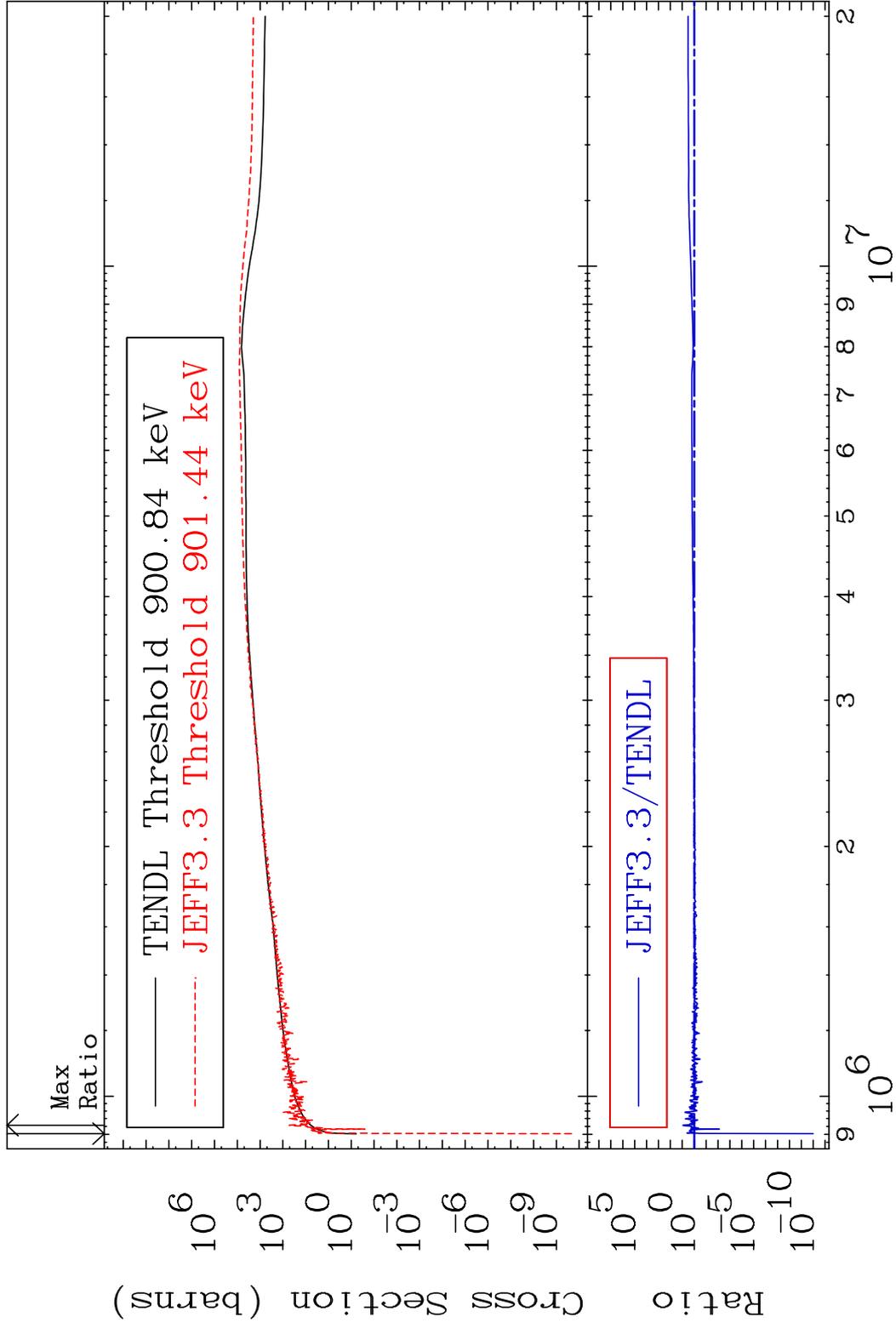
Dpa elastic (mt2)

83-Bi-209

Cross Section -97.51 To 2203. %

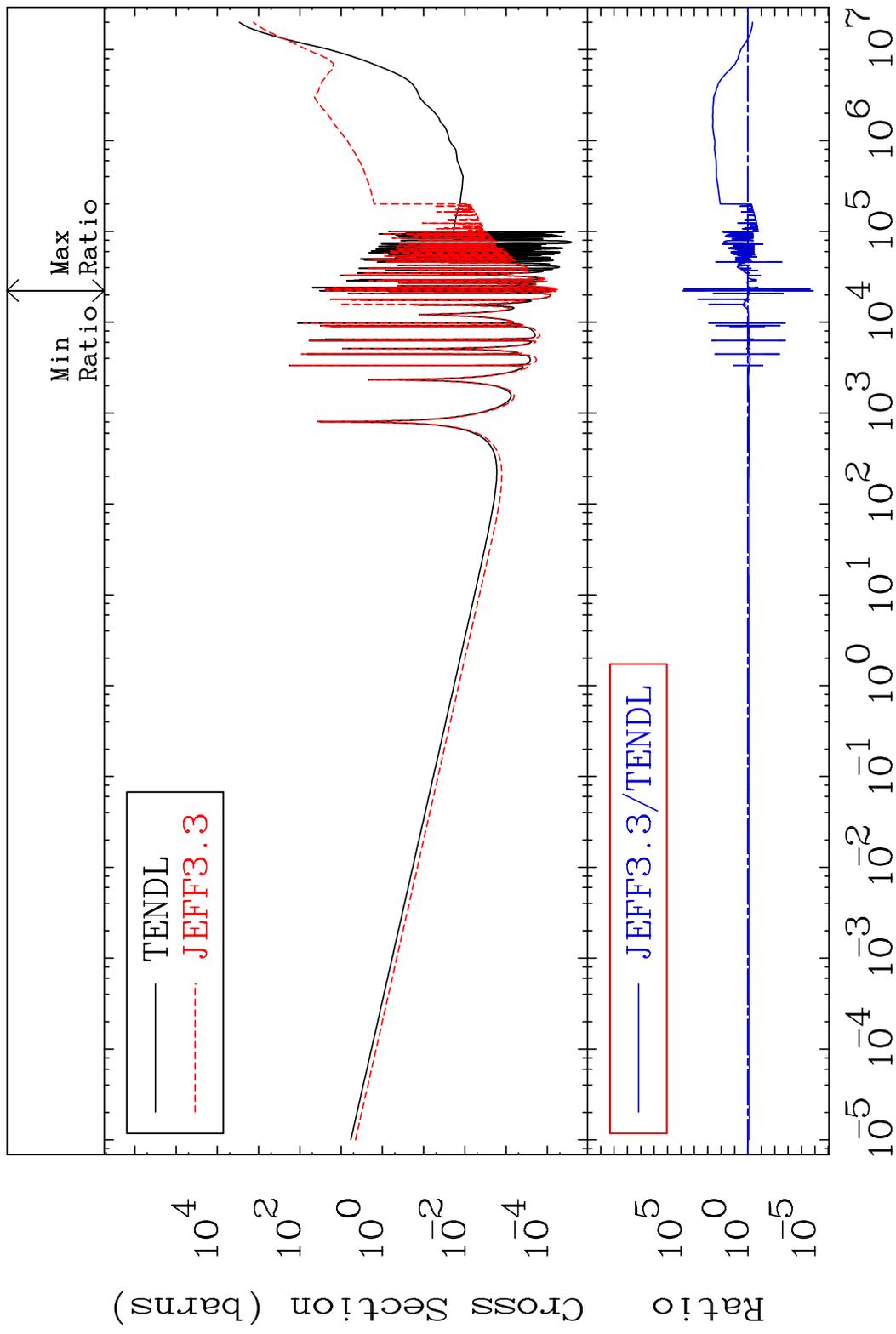


MAT 8325 Dpa inelastic (mt51-91) 83-Bi-209
 Cross Section -100.0 To 796.6 %

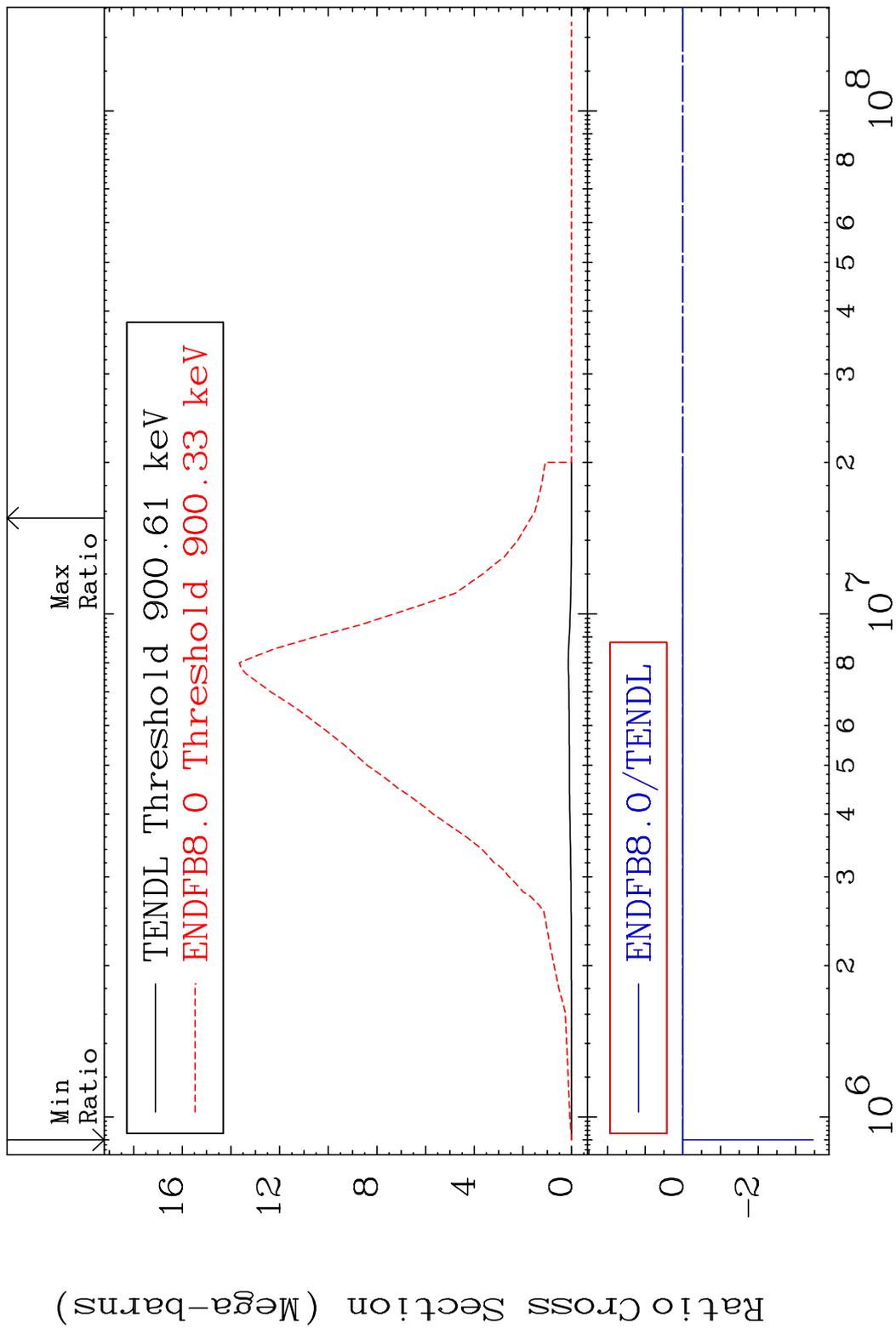


38 Incident Energy (eV) 83-Bi-209

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

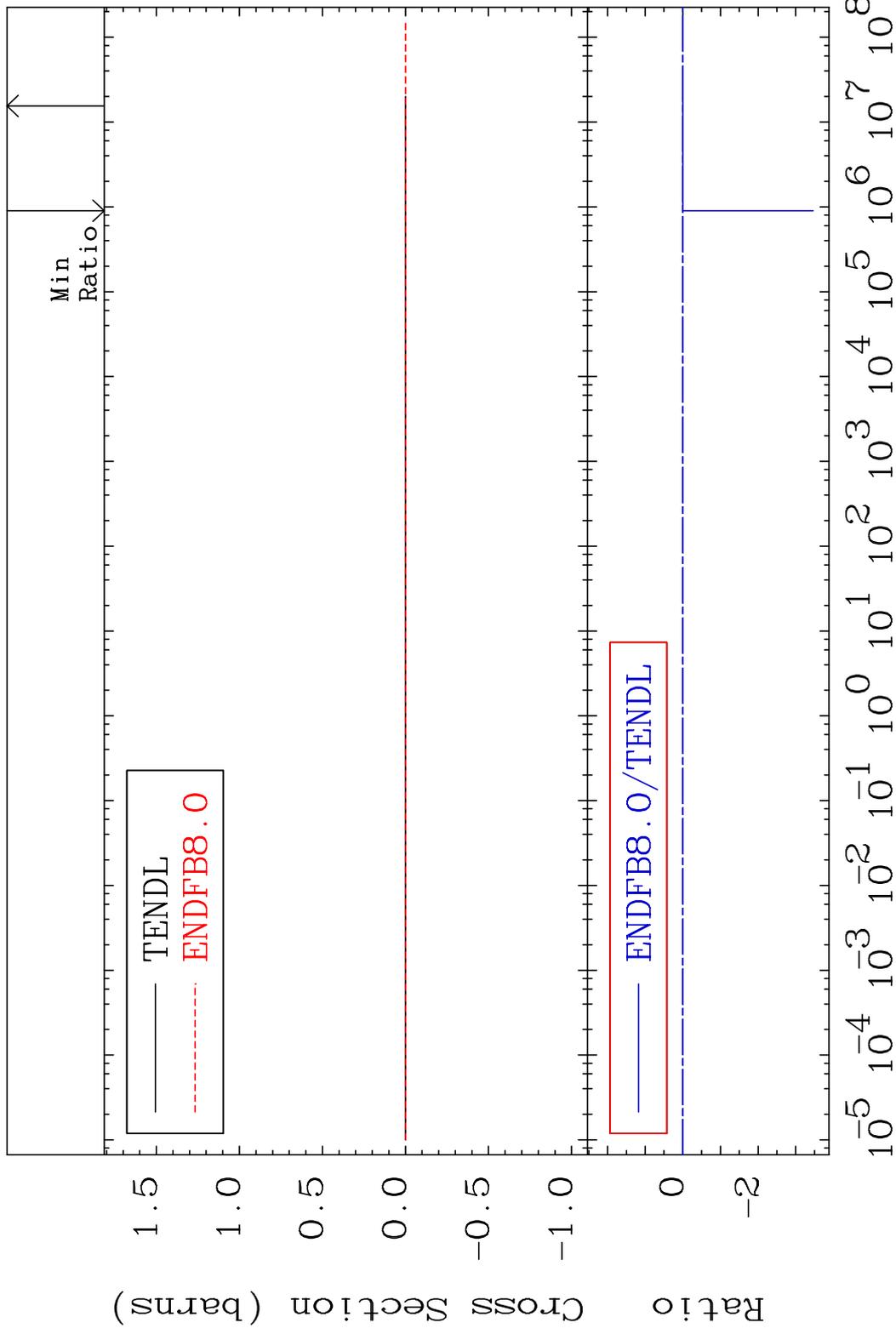


MAT 8325 Kerma inelastic (mt51-91) 83-Bi-209
 Cross Section -9999. To 9999. %



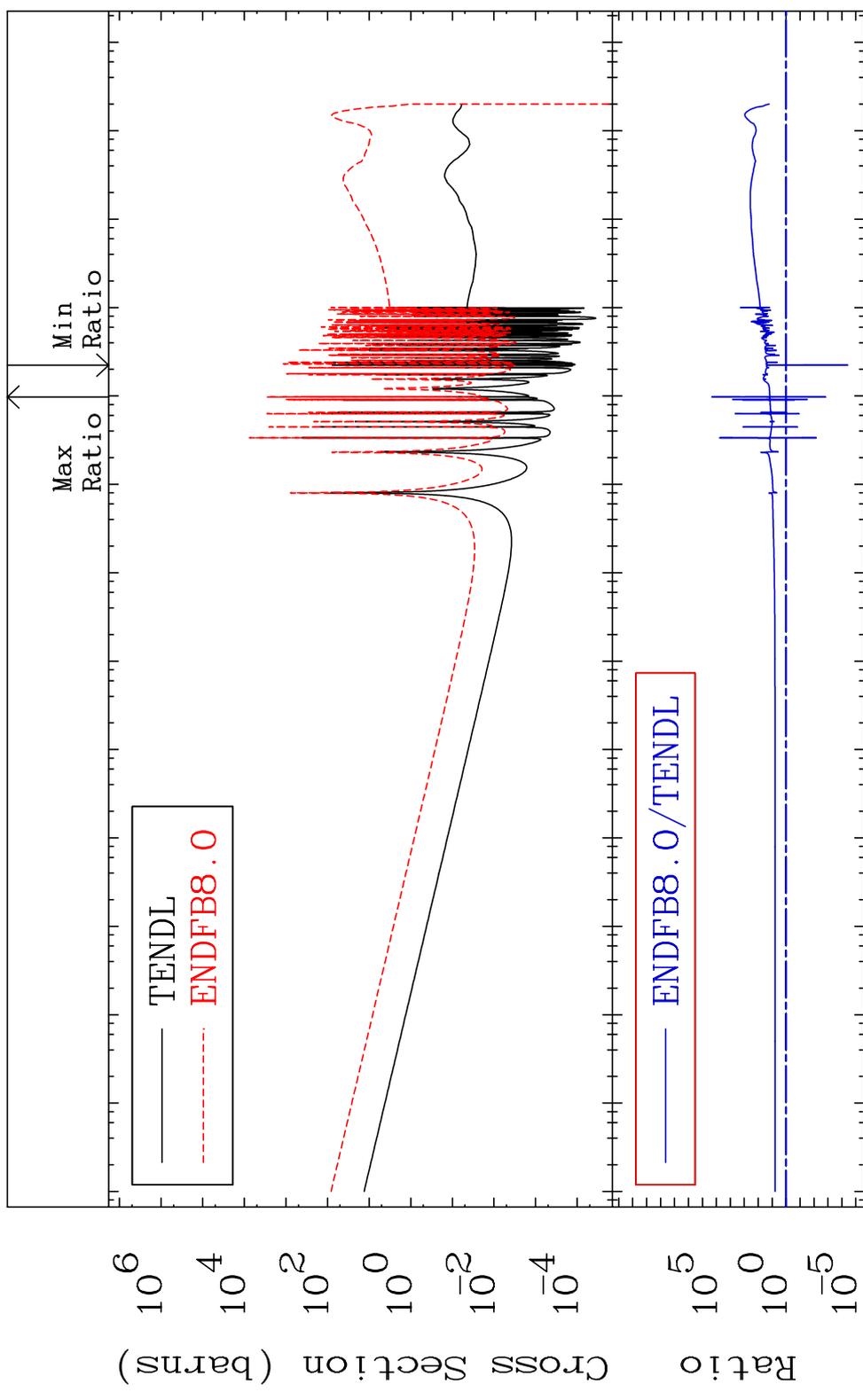
40 Incident Energy (eV) 83-Bi-209

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

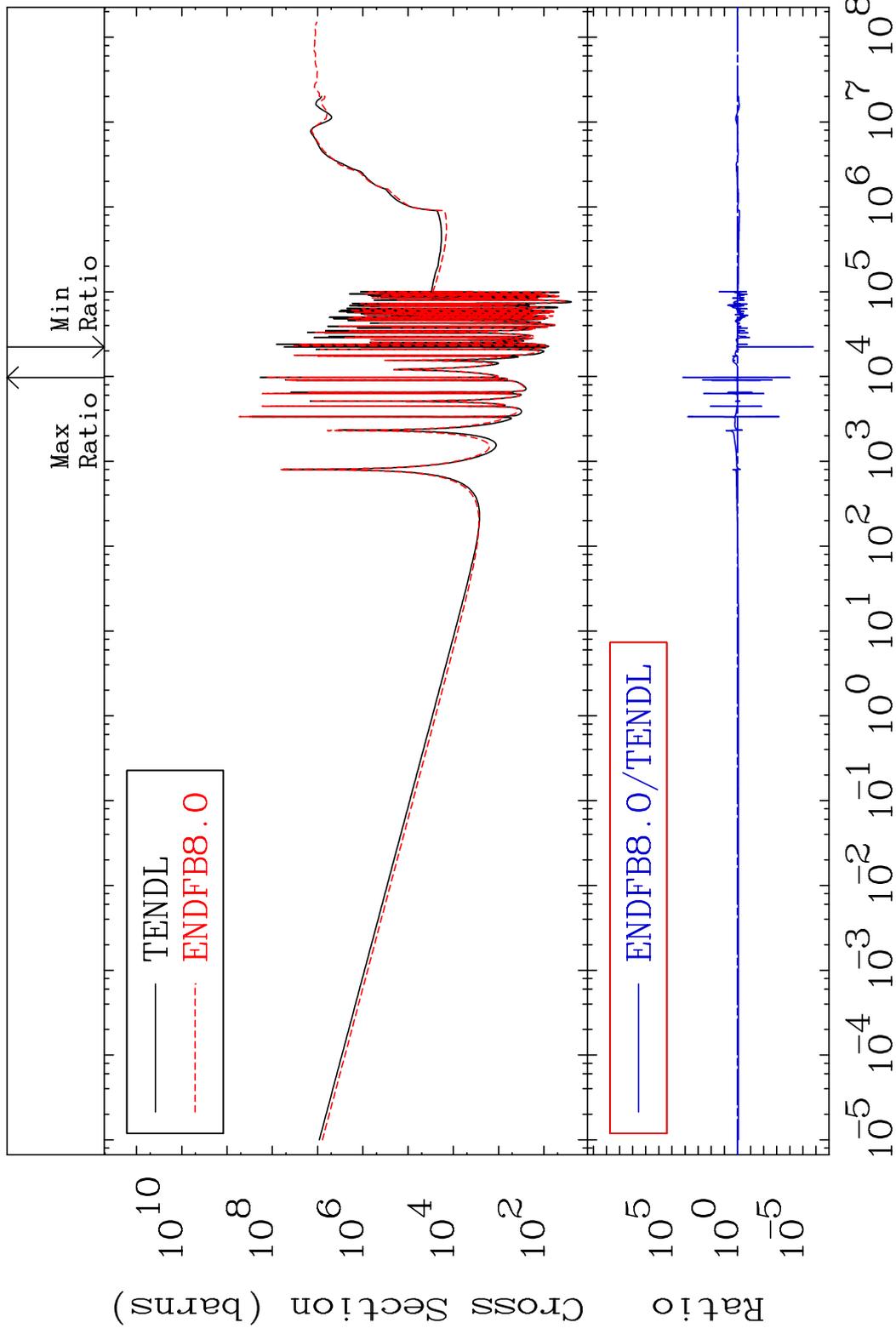


MAT 8325

Kerma capture (mt102) 83-Bi-209
Cross Section -100.0 To 9999. %

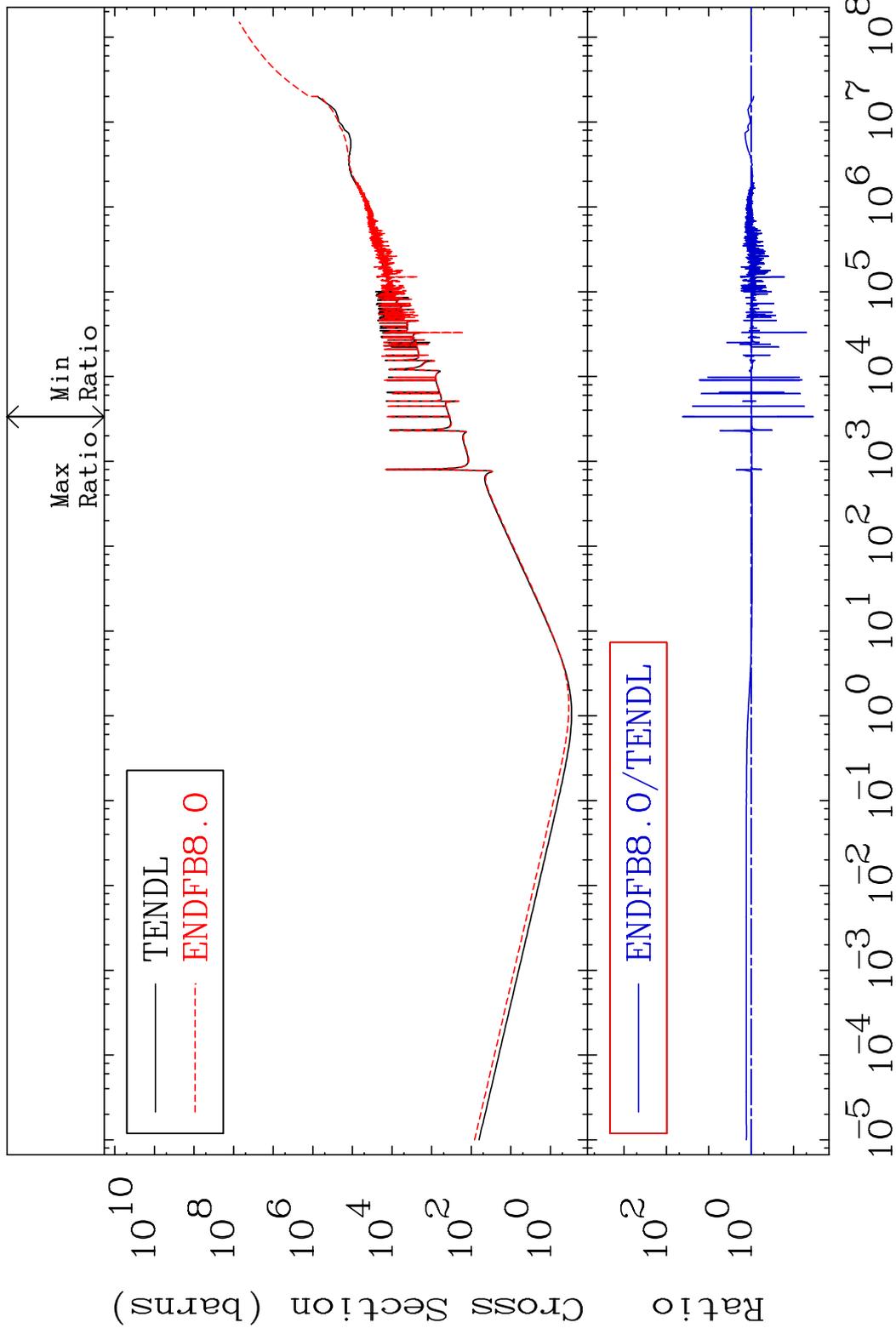


MAT 8325 Total photon (eV-barns) 83-Bi-209
Cross Section -100.0 To 9999. %



43 Incident Energy (eV) 83-Bi-209

MAT 8325 Total kinematic kerma (high limit) 83-Bi-209
 Cross Section -96.56 To 3994. %

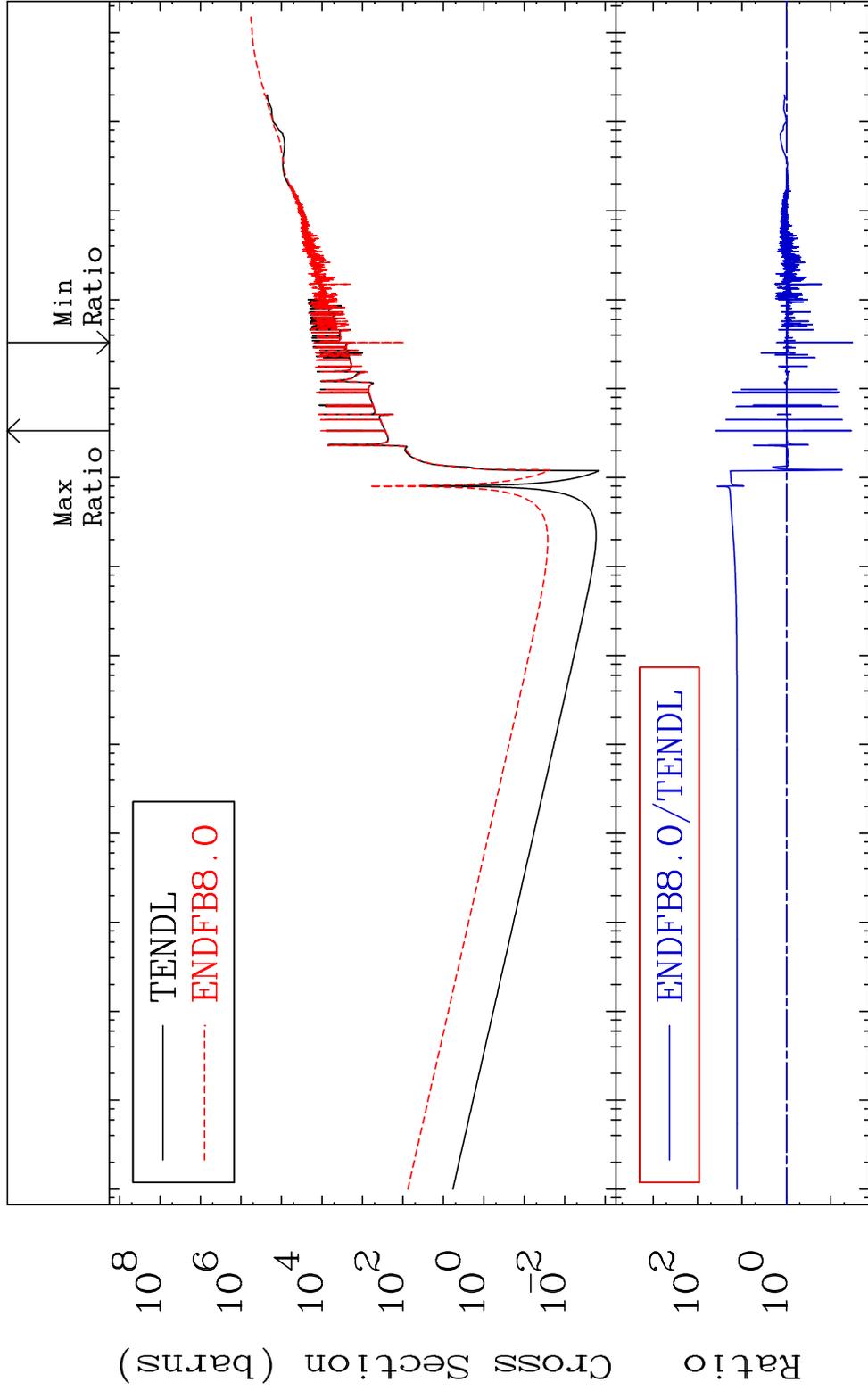


MAT 8325

Dpa total (eV-barns)

83-Bi-209

Cross Section -96.75 To 3765. %



45

Incident Energy (eV)

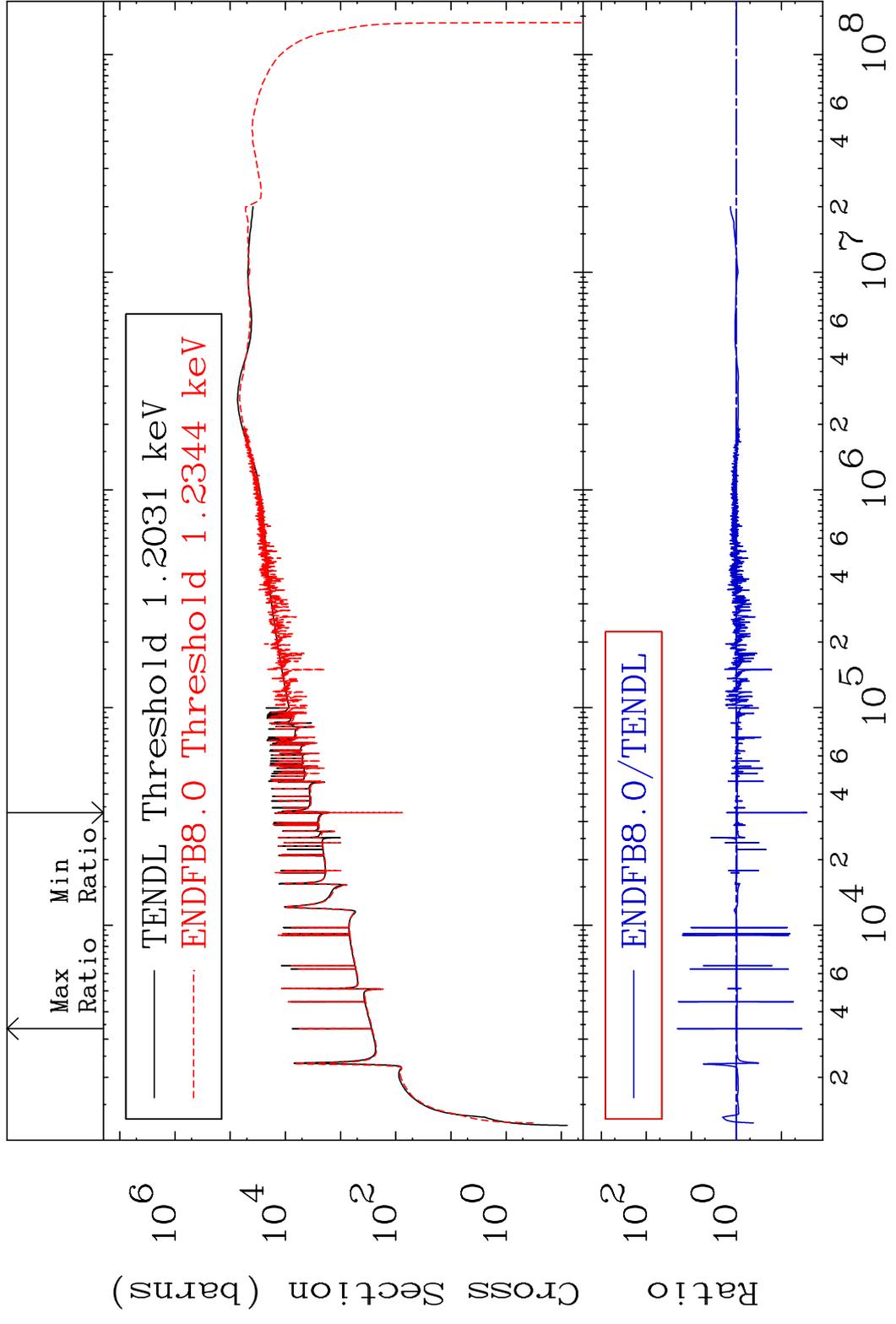
83-Bi-209

MAT 8325

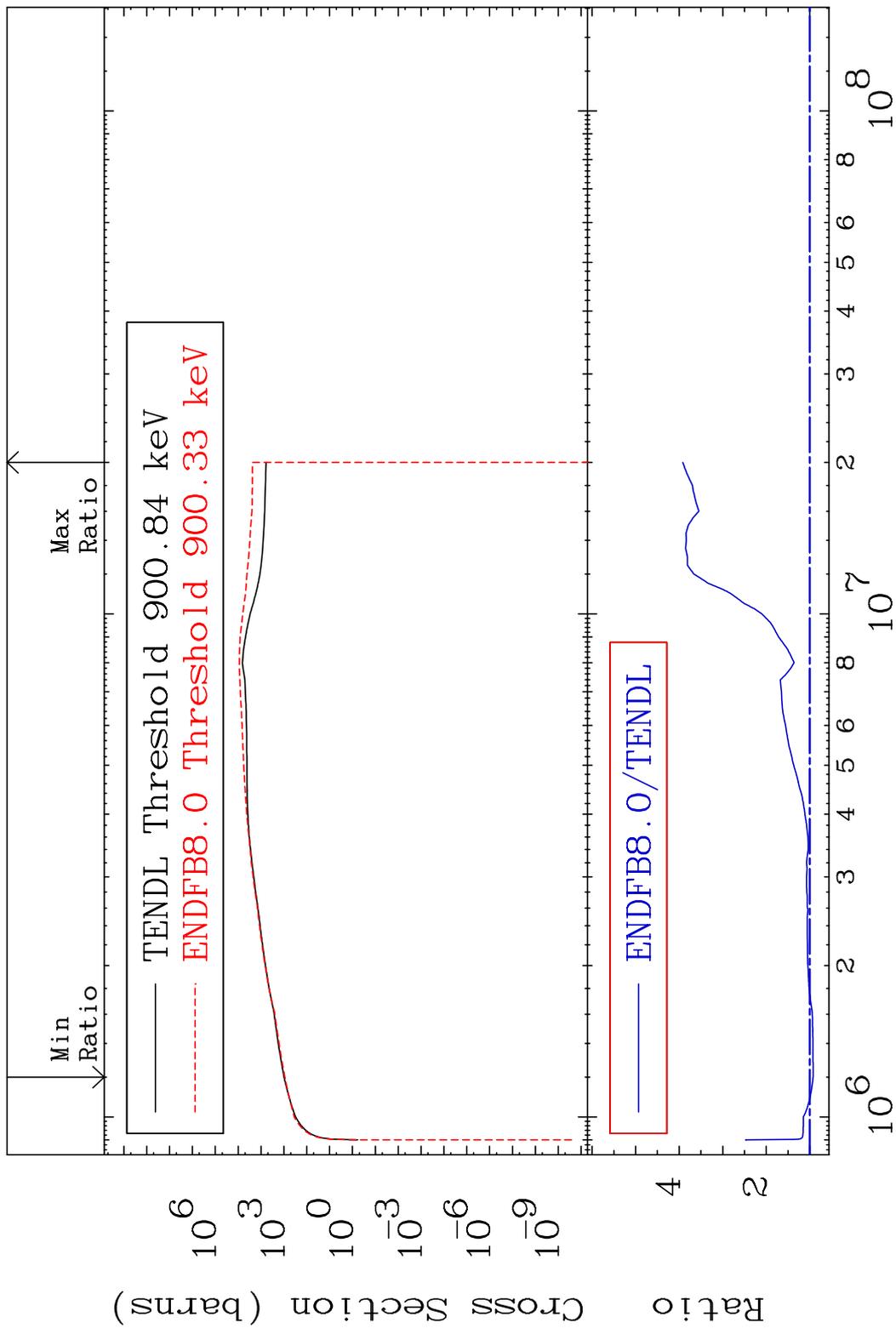
Dpa elastic (mt2)

83-Bi-209

Cross Section -97.30 To 1912. %



MAT 8325 Dpa inelastic (mt51-91) 83-Bi-209
 Cross Section -7.729 To 291.6 %



47 Incident Energy (eV) 83-Bi-209

MAT 8325 Dpa disappearance (mt102 -120) 83-Bi-209
 Cross Section -99.98 To 9999. %

