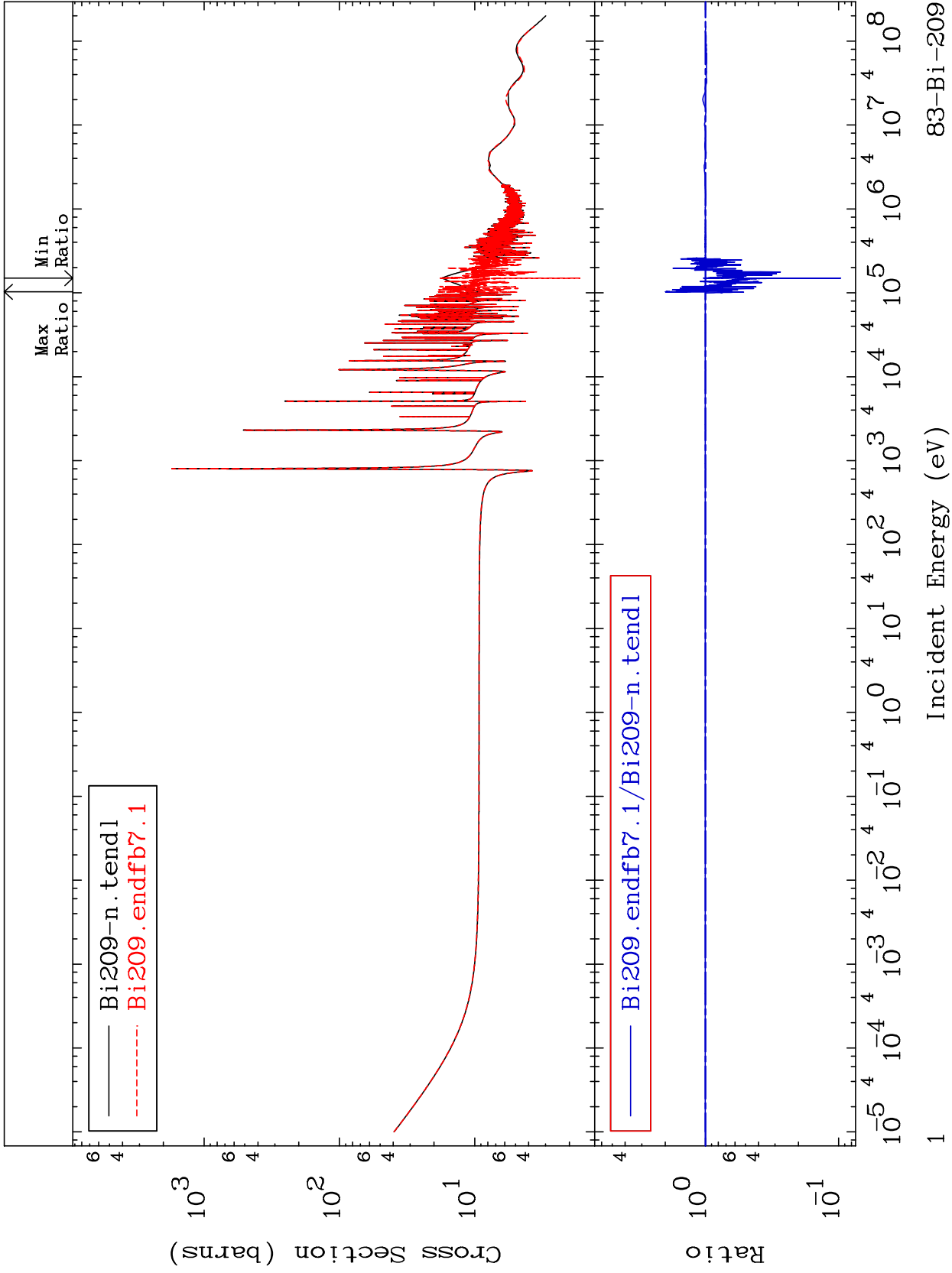


MAT 8325

Total
Cross Section

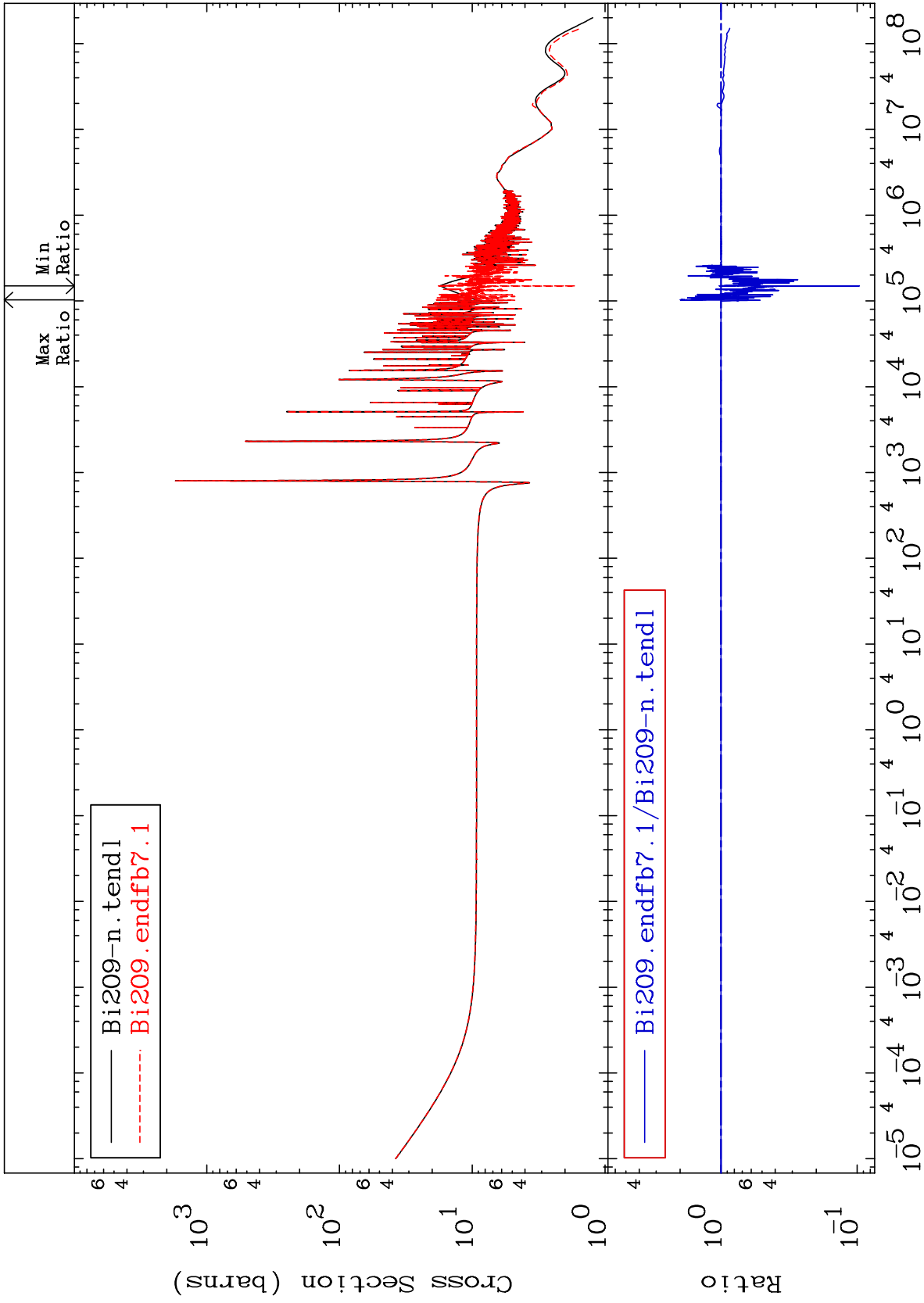
83-Bi-209
-90.35 To 99.17 %



MAT 8325

Elastic
Cross Section

83-Bi-209
-90.38 To 99.17 %



Incident Energy (eV)

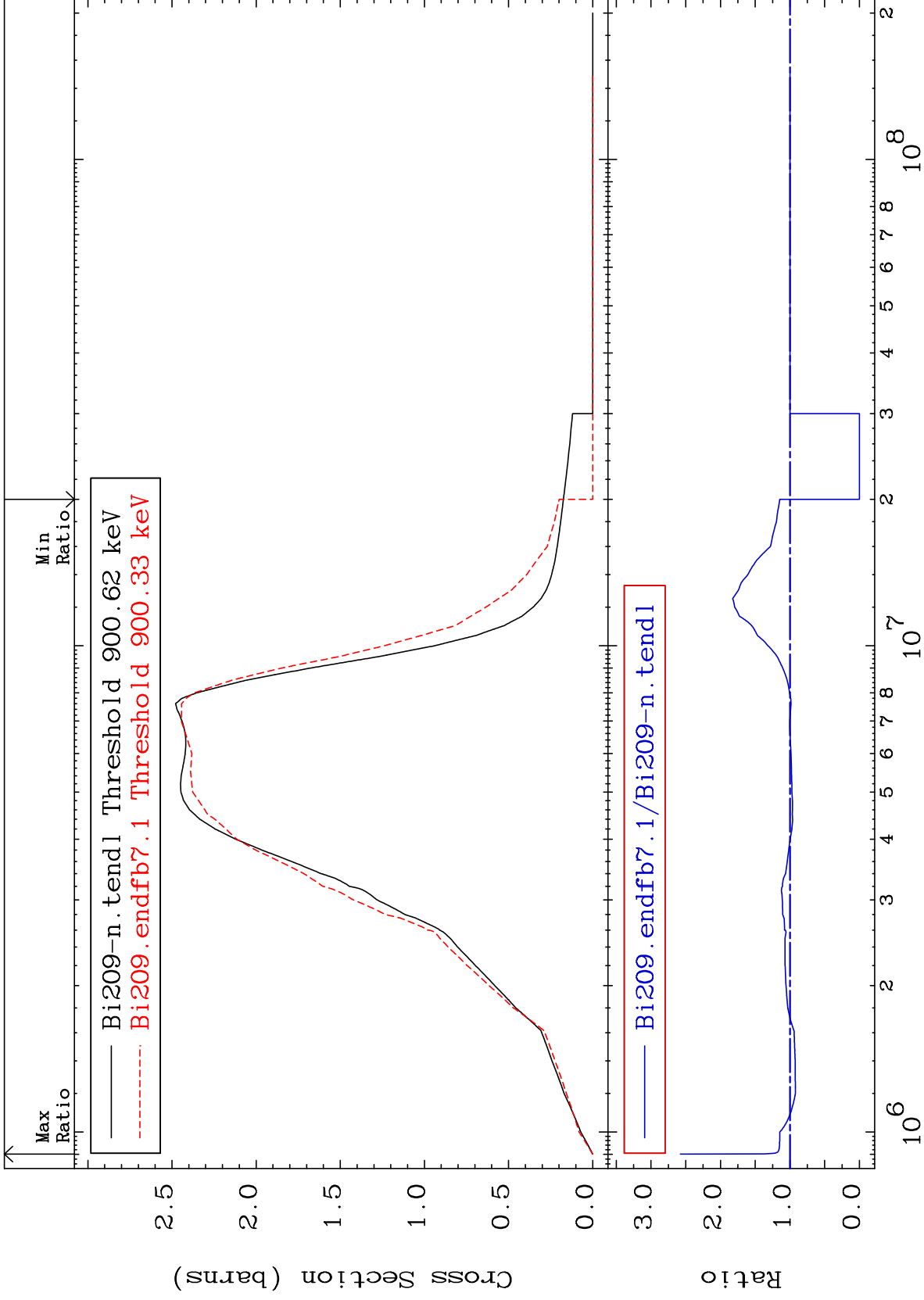
83-Bi-209

2

MAT 8325

Inelastic
Cross Section

83-Bi-209
-100.0 To 157.8 %



3

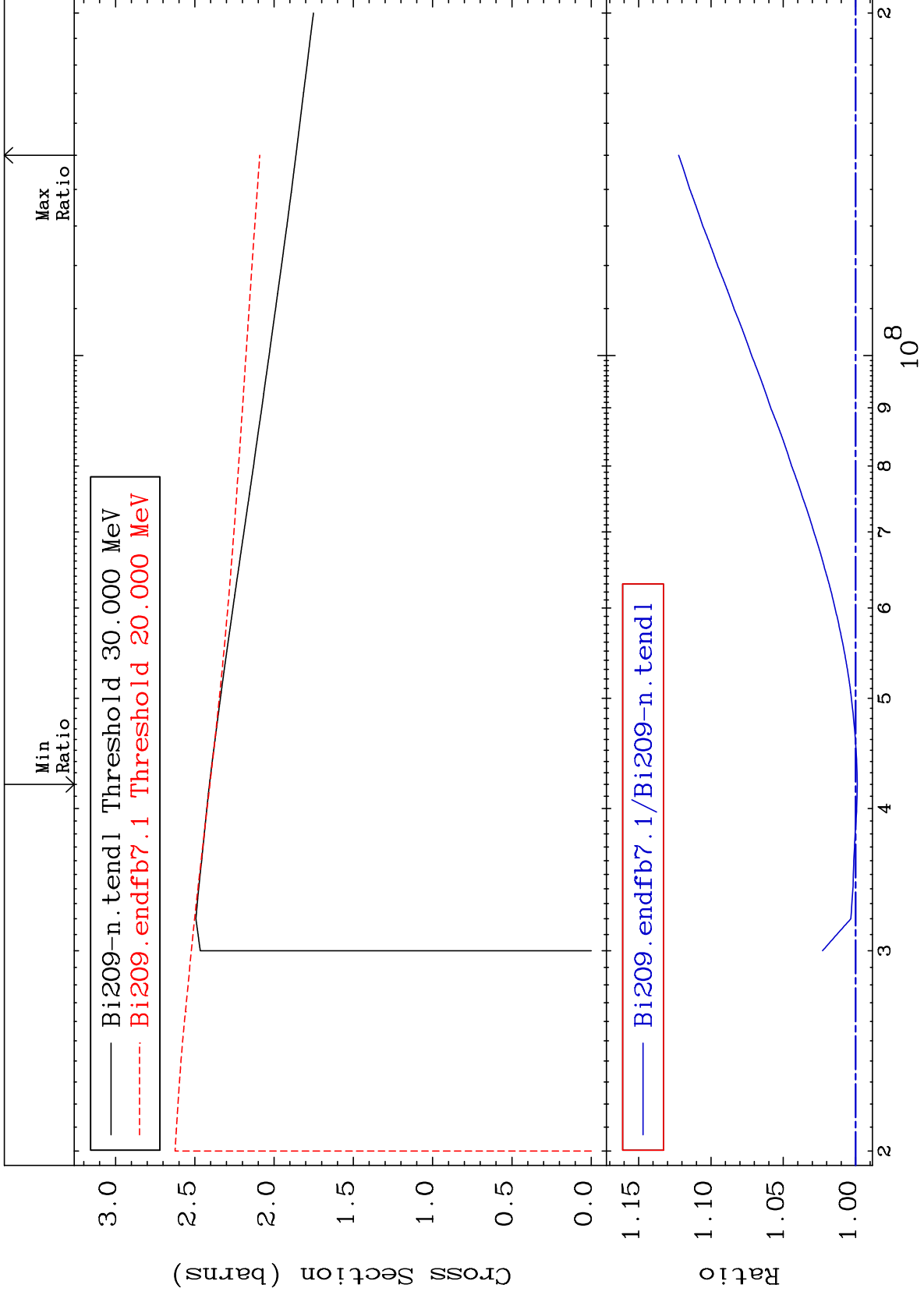
Incident Energy (eV)

83-Bi-209

MAT 8325

(n, remainder)
Cross Section

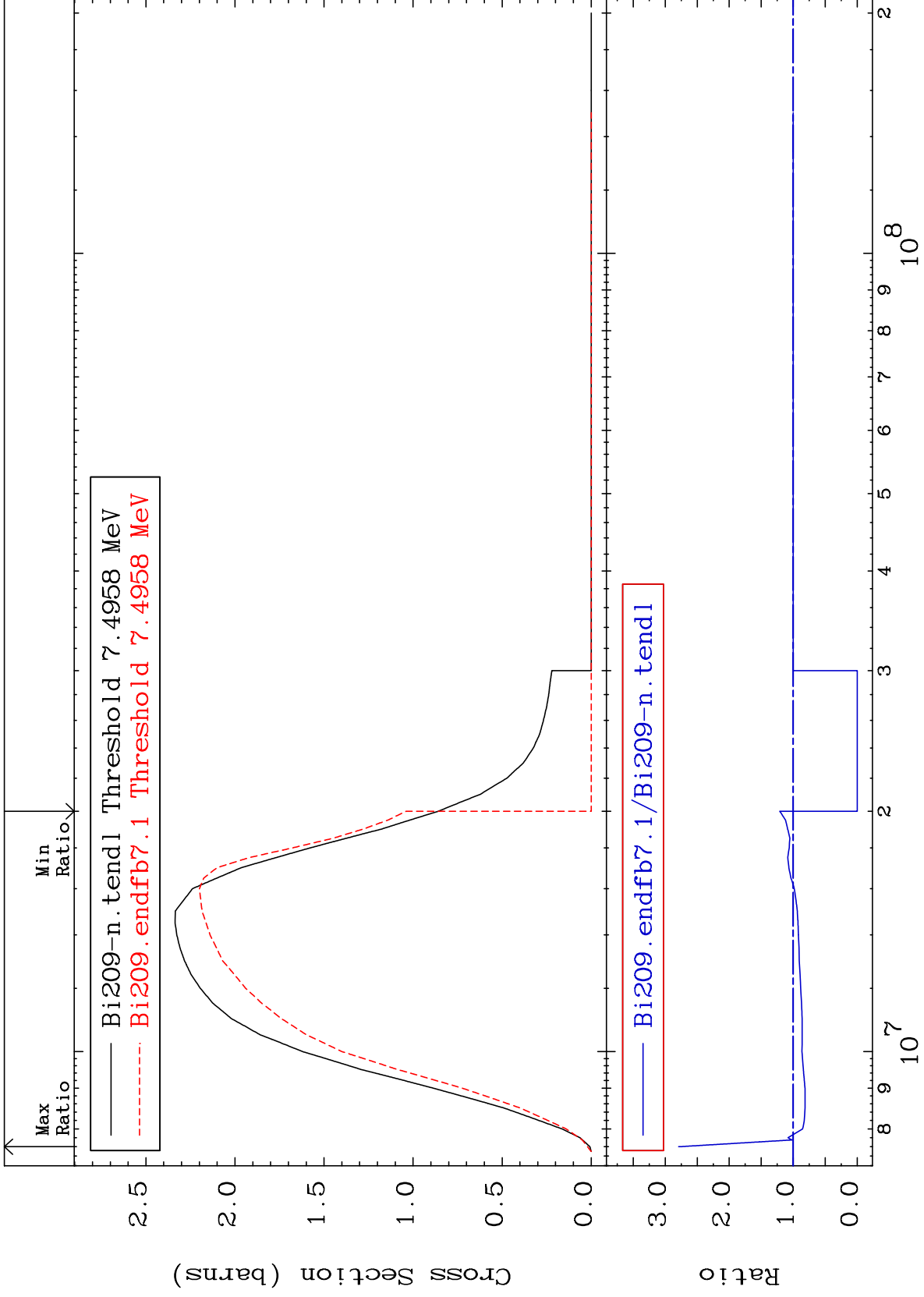
83-Bi-209
-0.110 To 12.23 %



MAT 8325

(n,2n)
Cross Section

83-Bi-209
-100.0 To 179.0 %



5

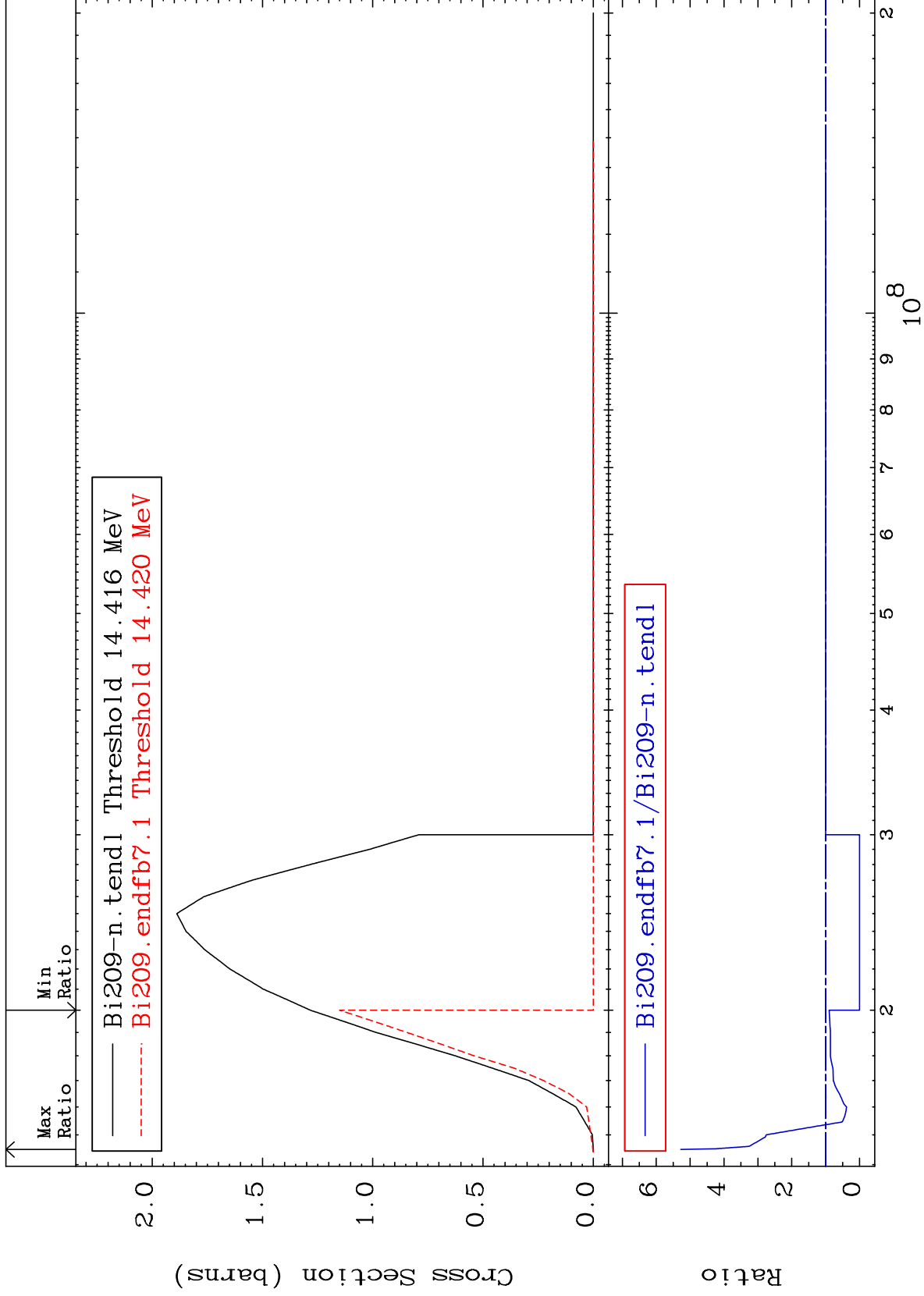
Incident Energy (eV)

83-Bi-209

MAT 8325

(n,3n)
Cross Section

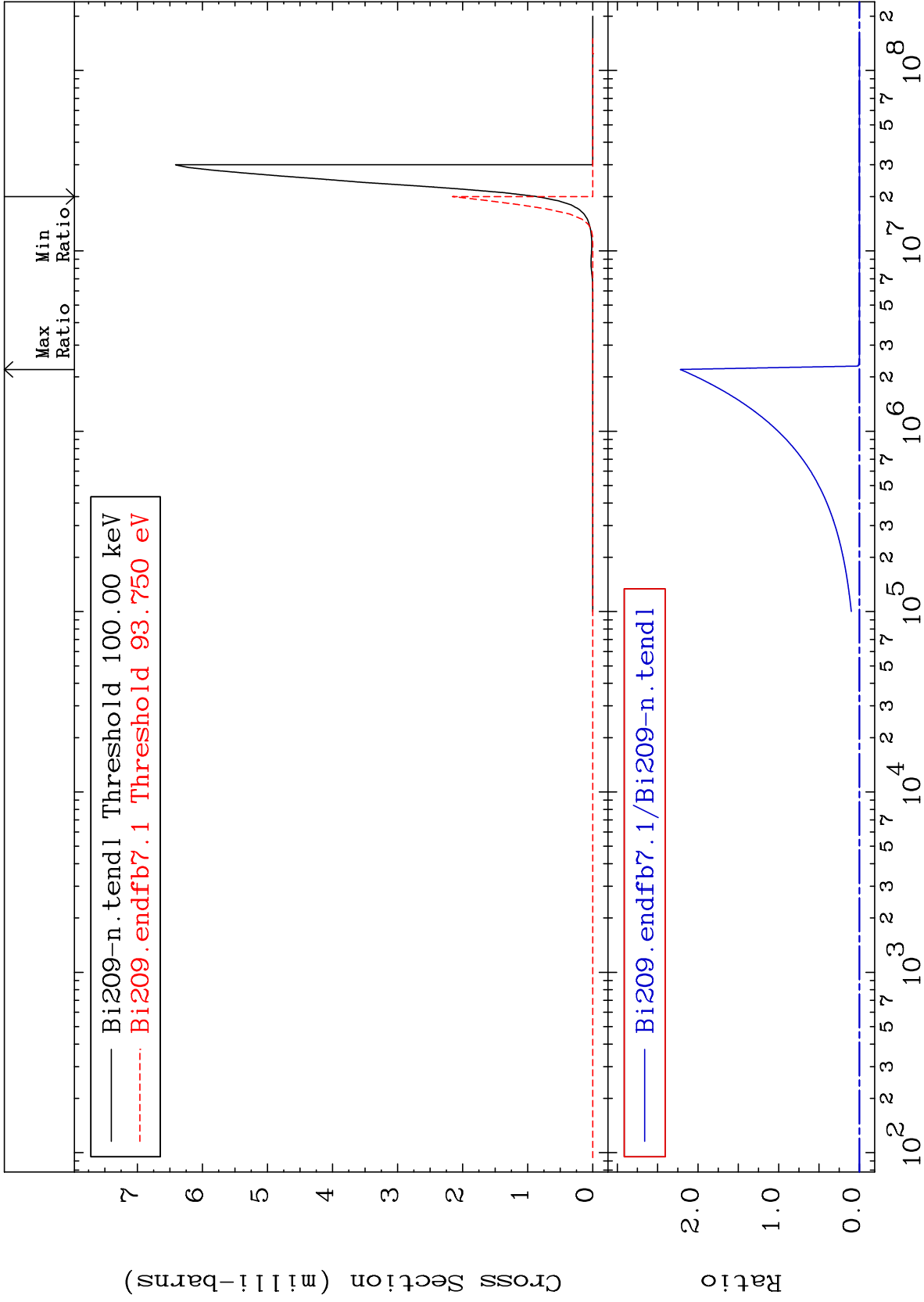
83-Bi-209
-100.0 To 427.6 %



MAT 8325

$(n, n') \alpha$
Cross Section

83-Bi-209
-100.0 To 9999. %



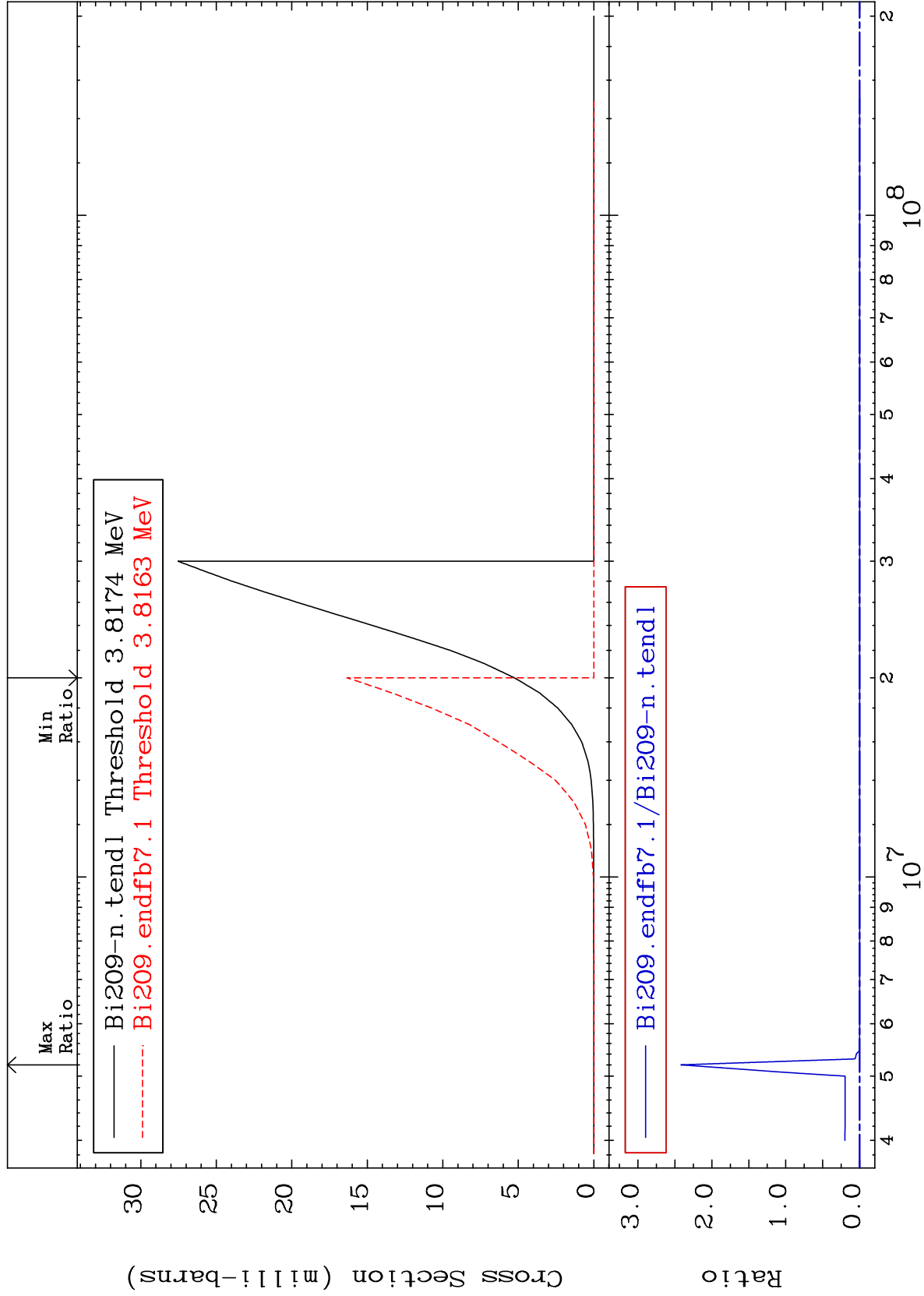
Incident Energy (eV)

83-Bi-209

MAT 8325

(n,n') p
Cross Section

83-Bi-209
-100.0 To 9999. %



8

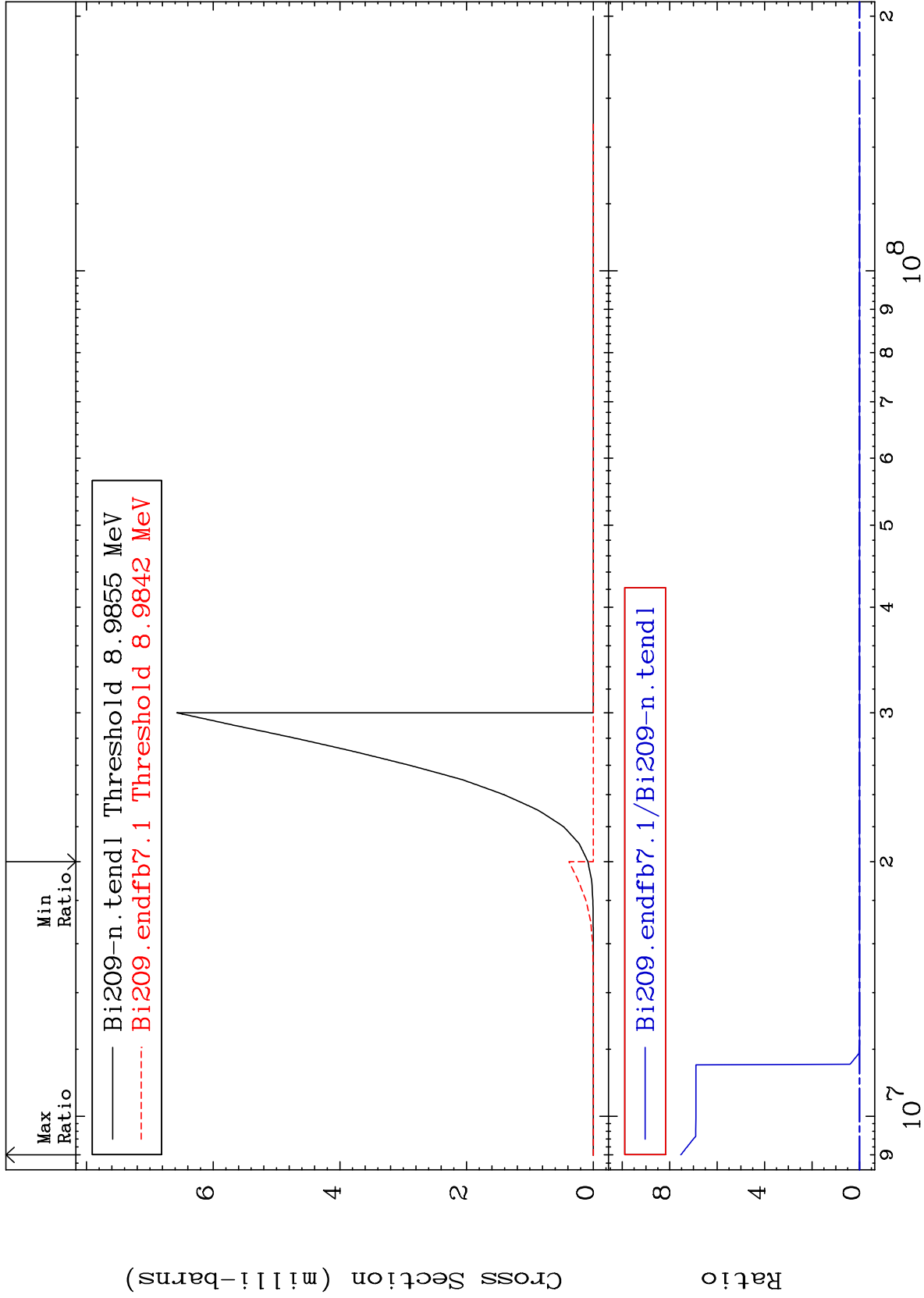
Incident Energy (eV)

83-Bi-209

MAT 8325

(n,n') d
Cross Section

83-Bi-209
-100.0 To 9999. %

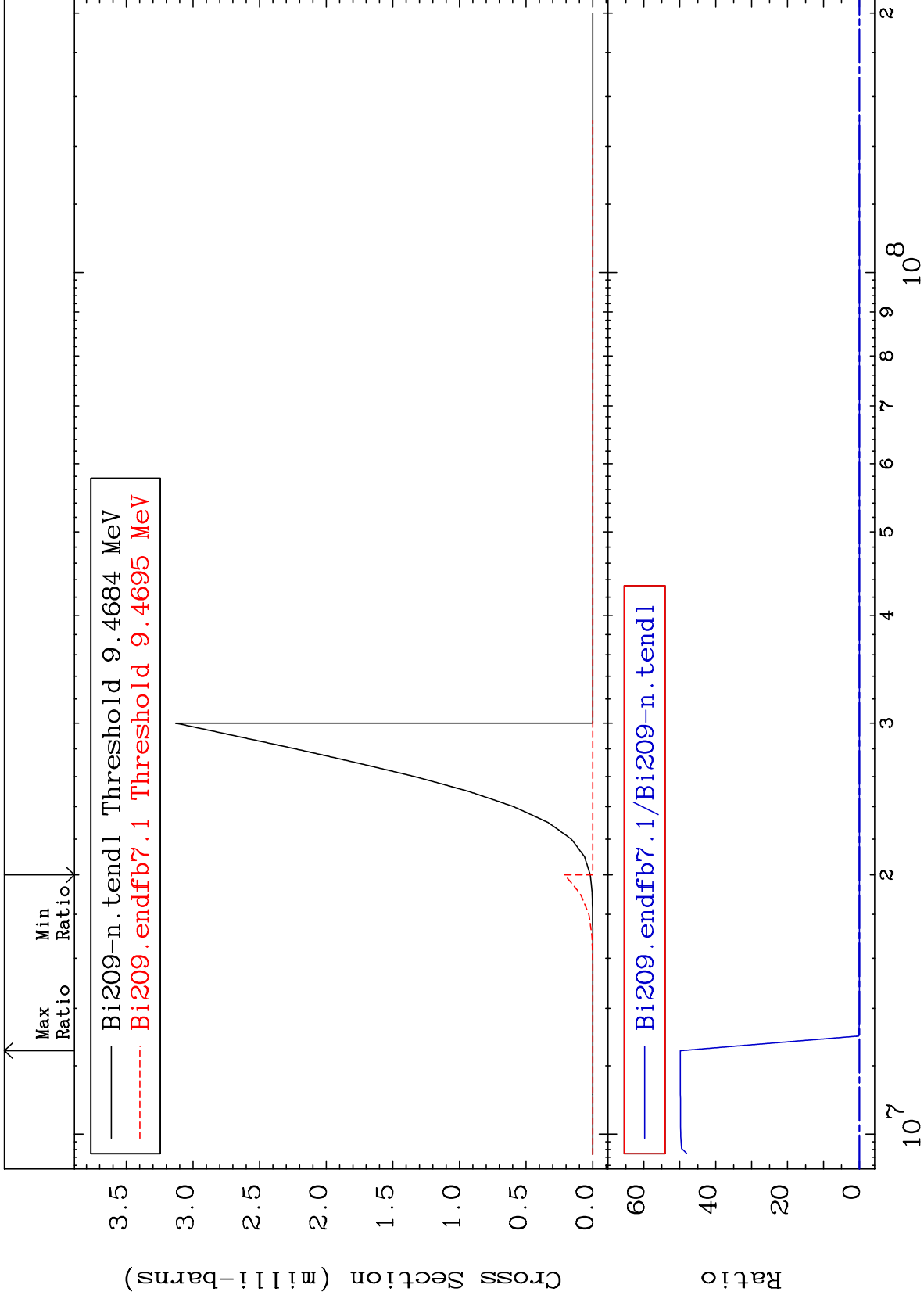


83-Bi-209

MAT 8325

(n,n') t
Cross Section

83-Bi-209
-100.0 To 9999. %



10

Incident Energy (eV)

83-Bi-209

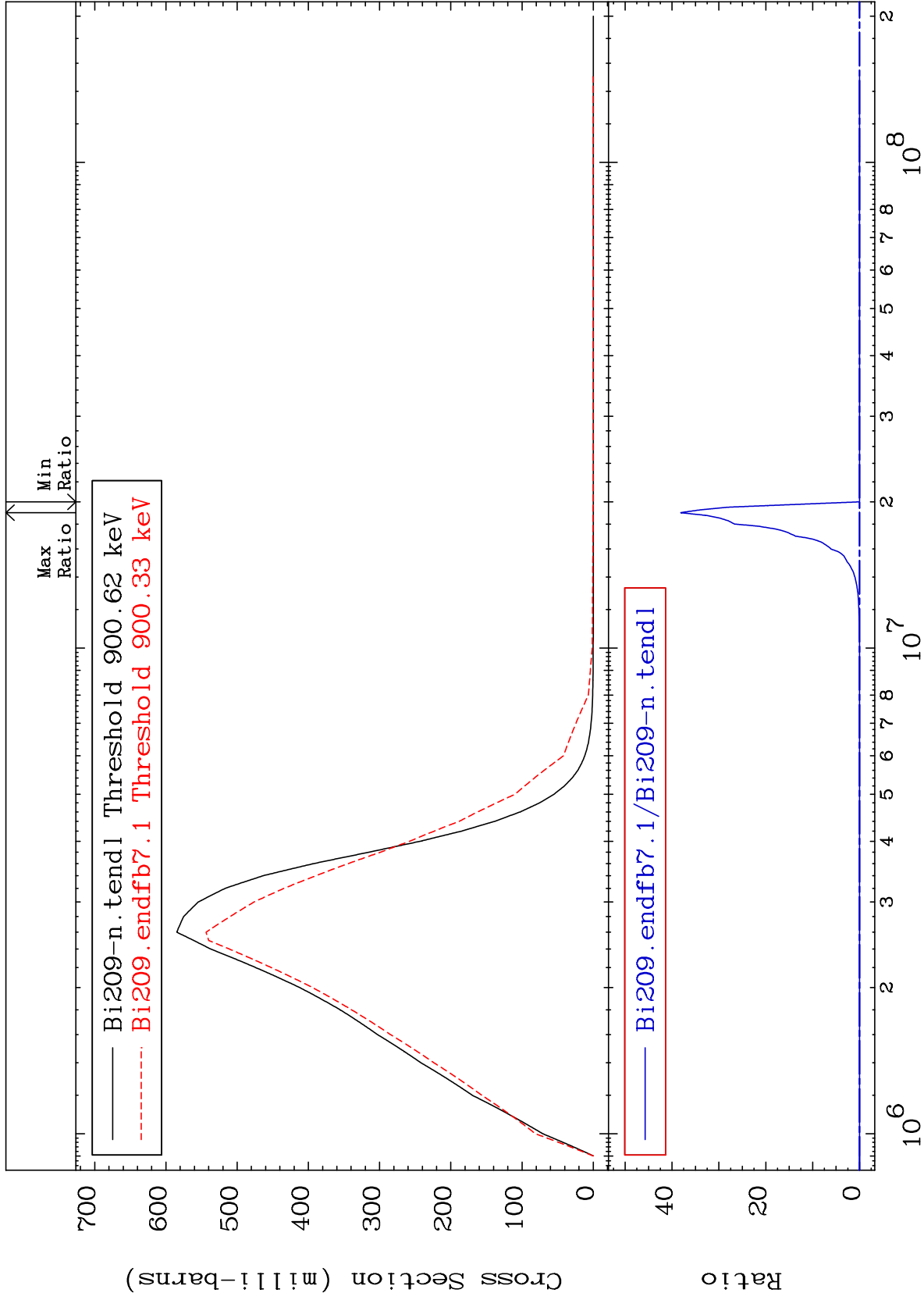
MAT 8325

896.3 keV (n,n') Level

83-Bi-209

-100.0 To 9999. %

Cross Section



11

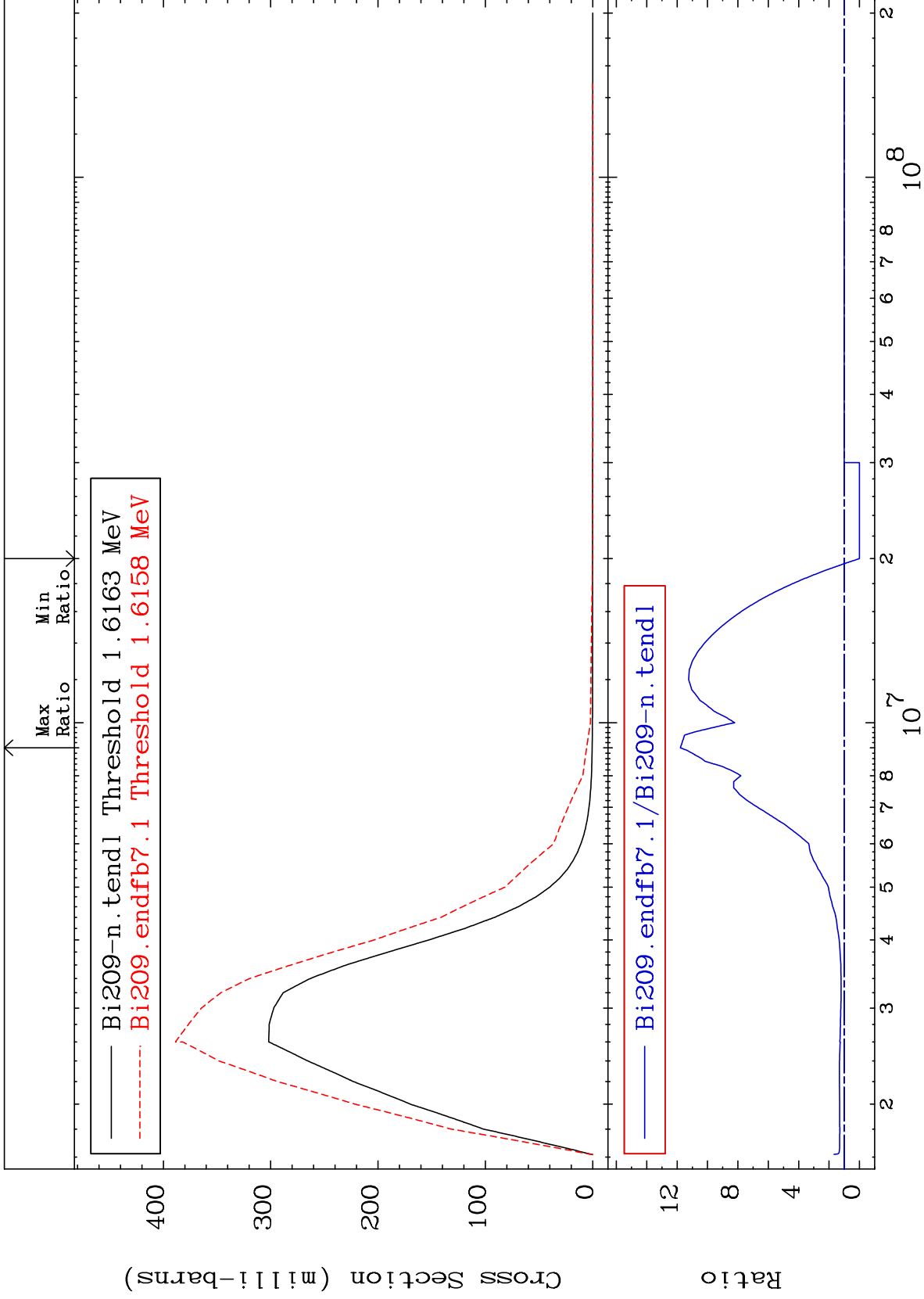
Incident Energy (eV)

83-Bi-209

MAT 8325

1.609 MeV (n,n') Level
Cross Section

83-Bi-209
-100.0 To 1079. %



12

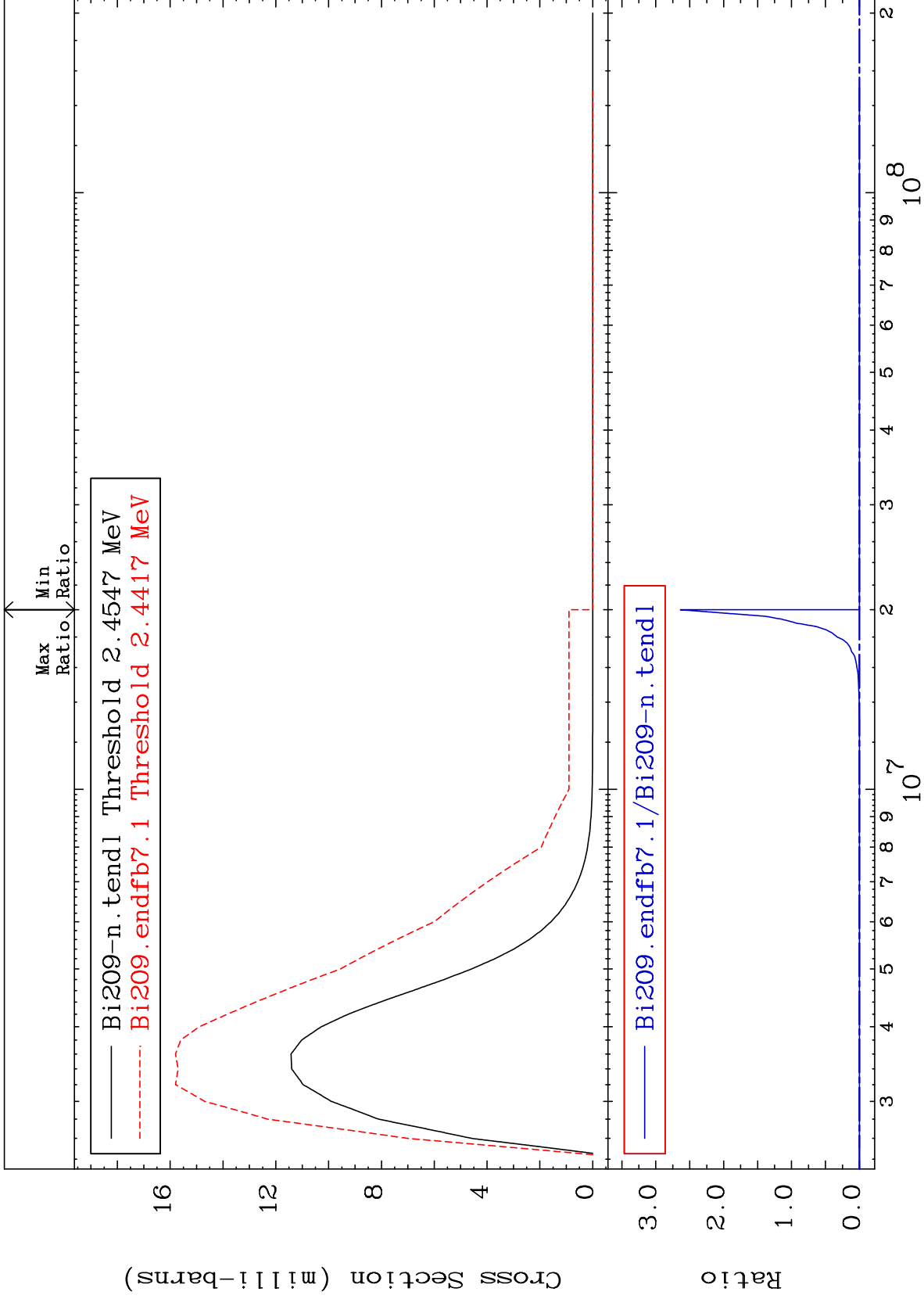
Incident Energy (eV)

83-Bi-209

MAT 8325

2.443 MeV (n,n') Level
Cross Section

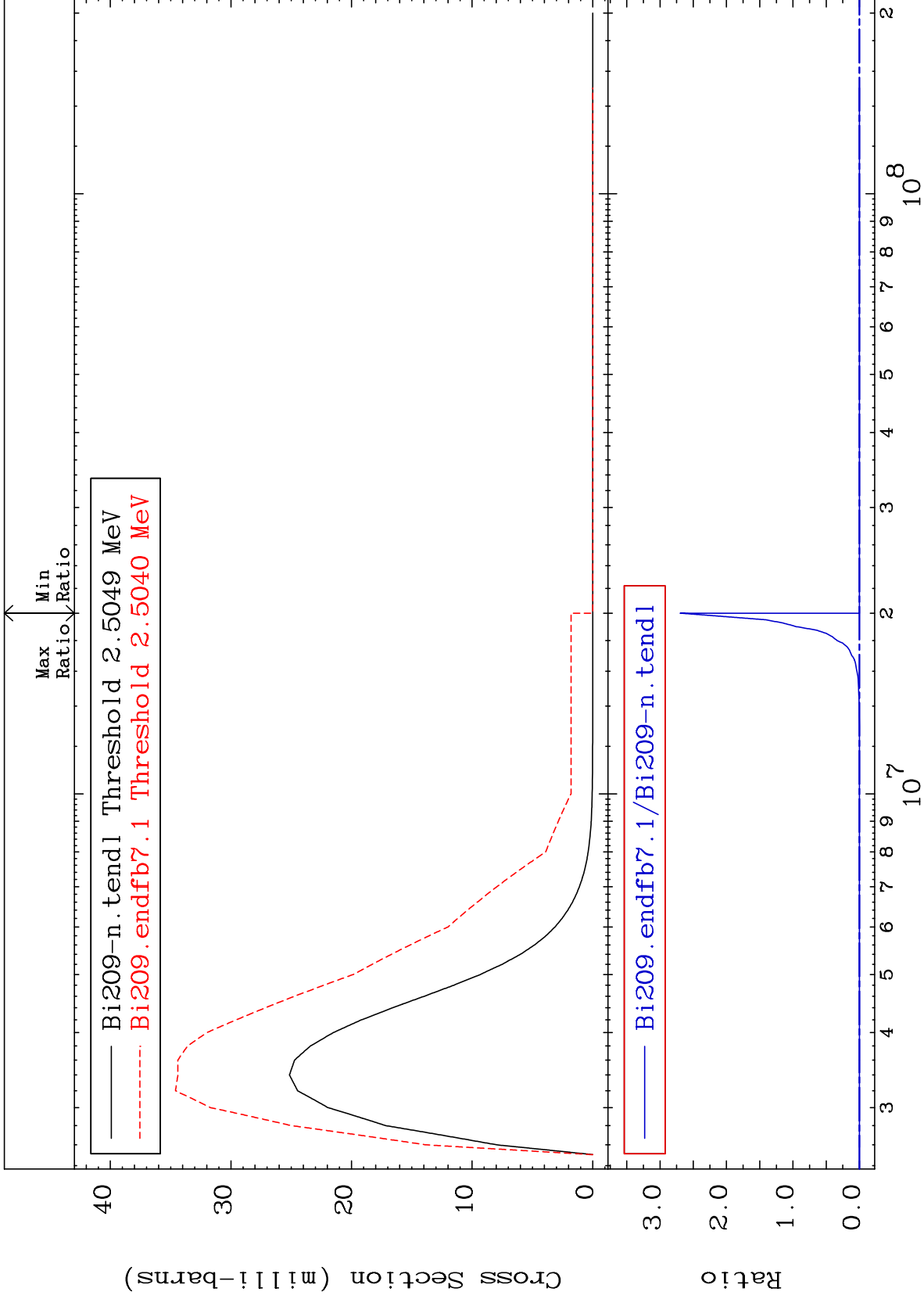
83-Bi-209
-100.0 To 9999. %



MAT 8325

2.493 MeV (n,n') Level
Cross Section

83-Bi-209
-100.0 To 9999. %



14

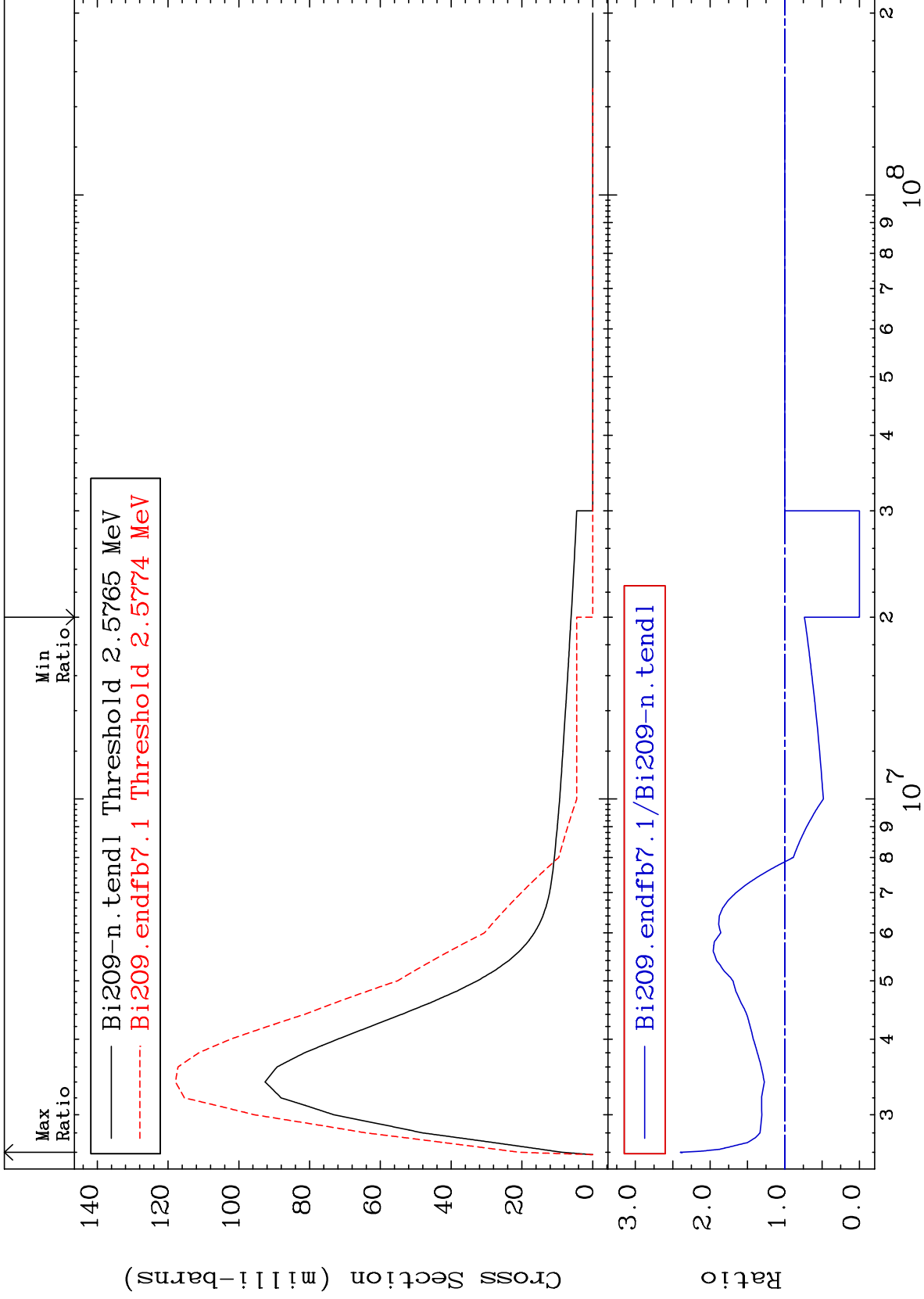
Incident Energy (eV)

83-Bi-209

MAT 8325

2.564 MeV (n,n') Level
Cross Section

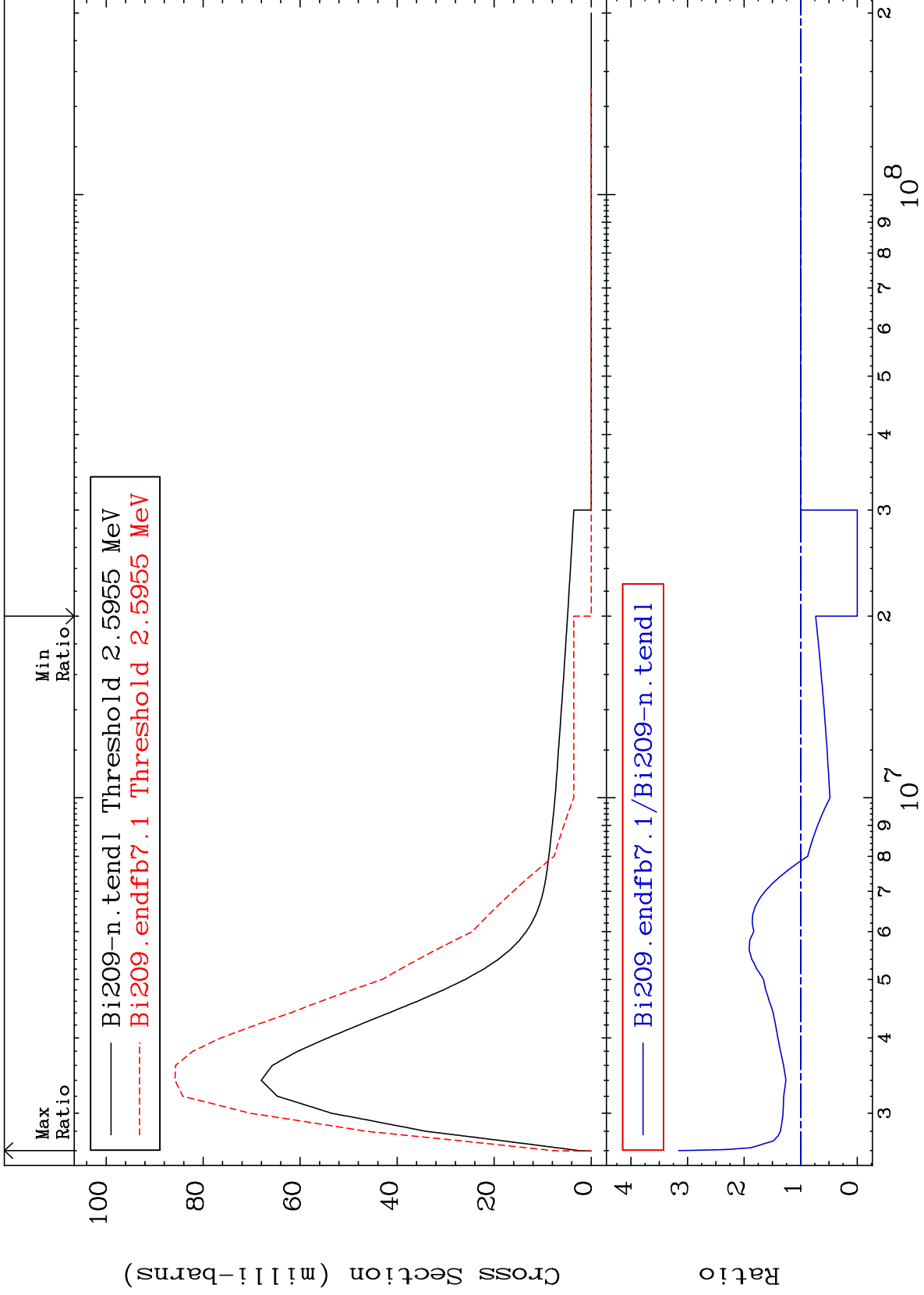
83-Bi-209
-100.0 To 139.8 %



MAT 8325

2.583 MeV (n,n') Level
Cross Section

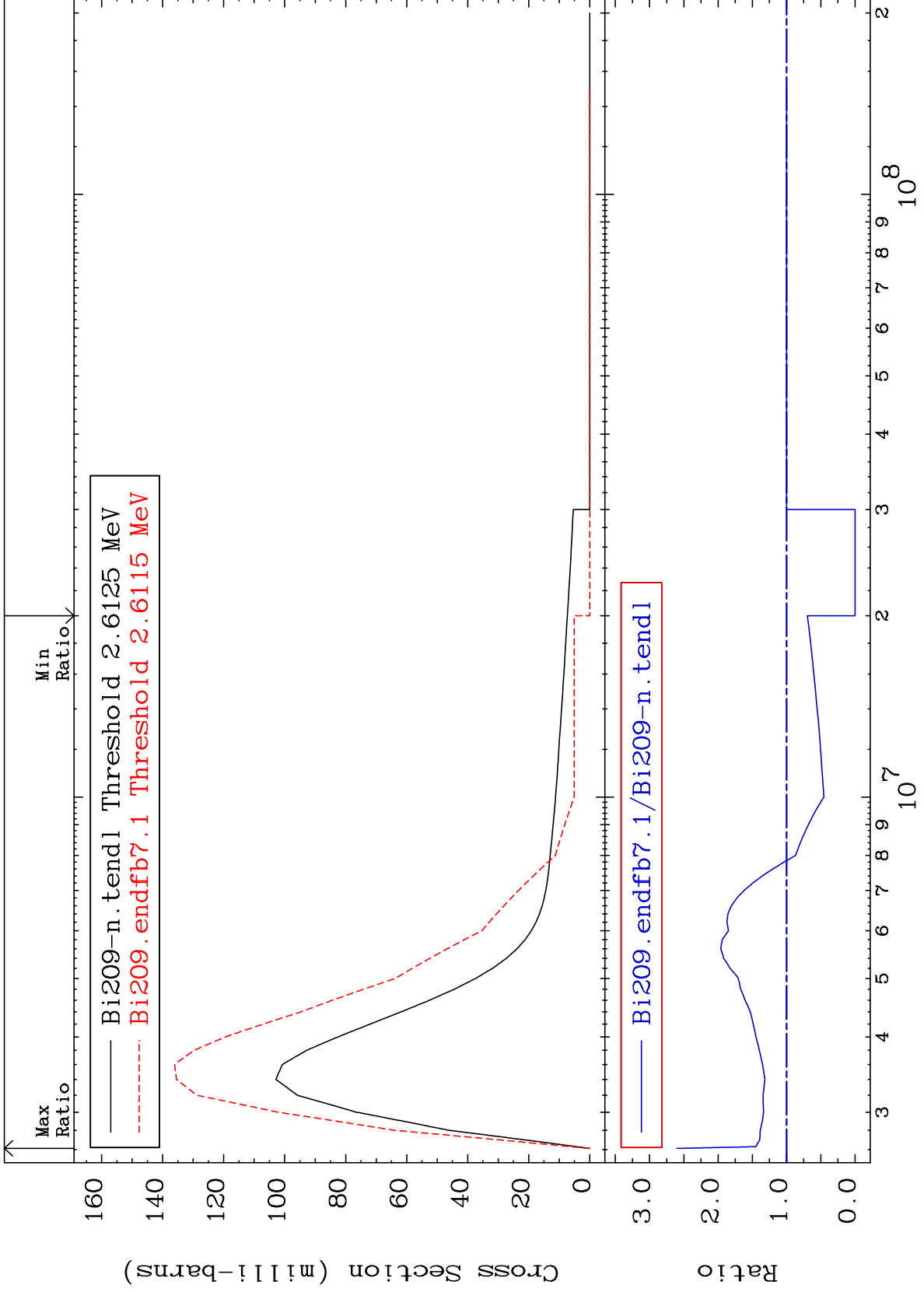
83-Bi-209
-100.0 To 215.8 %



MAT 8325

2.600 MeV (n,n') Level
Cross Section

83-Bi-209
-100.0 To 160.1 %



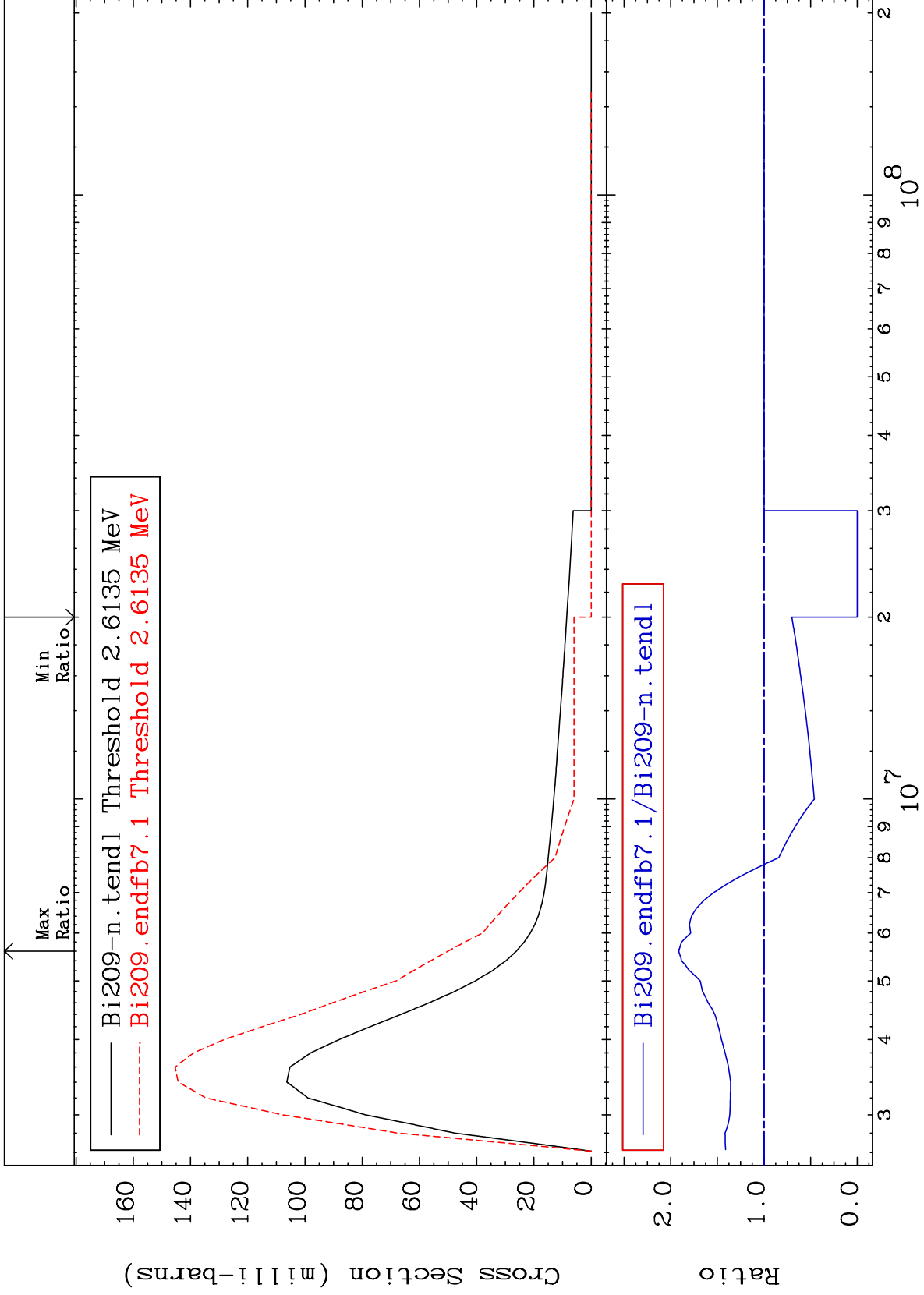
17

83-Bi-209

MAT 8325

2.601 MeV (n,n') Level
Cross Section

83-Bi-209
-100.0 To 91.48 %



18

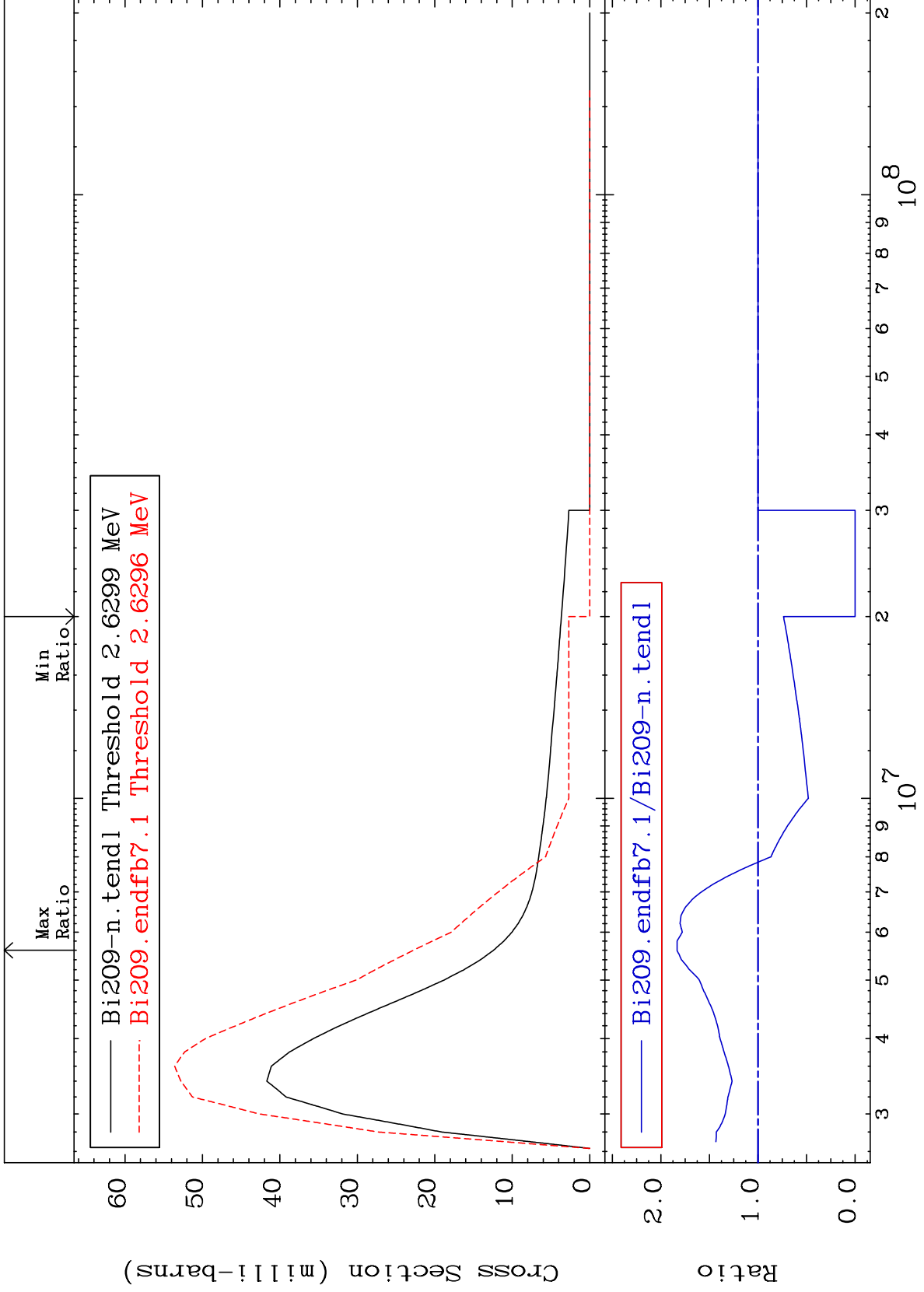
Incident Energy (eV)

83-Bi-209

MAT 8325

2.617 MeV (n,n') Level
Cross Section

83-Bi-209
-100.0 To 83.43 %

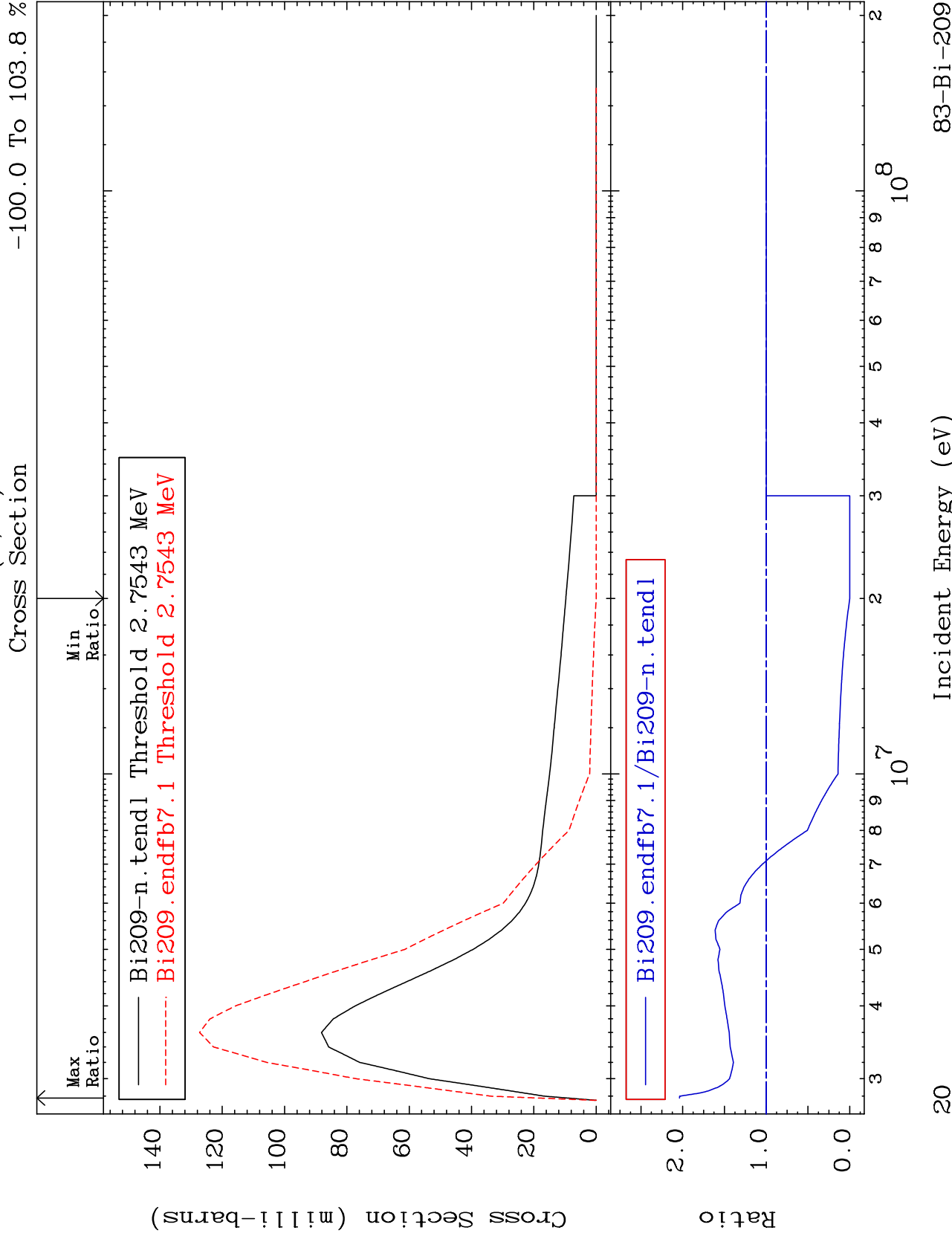


MAT 8325

2.741 MeV (n,n') Level

83-Bi-209

-100.0 To 103.8 %



20

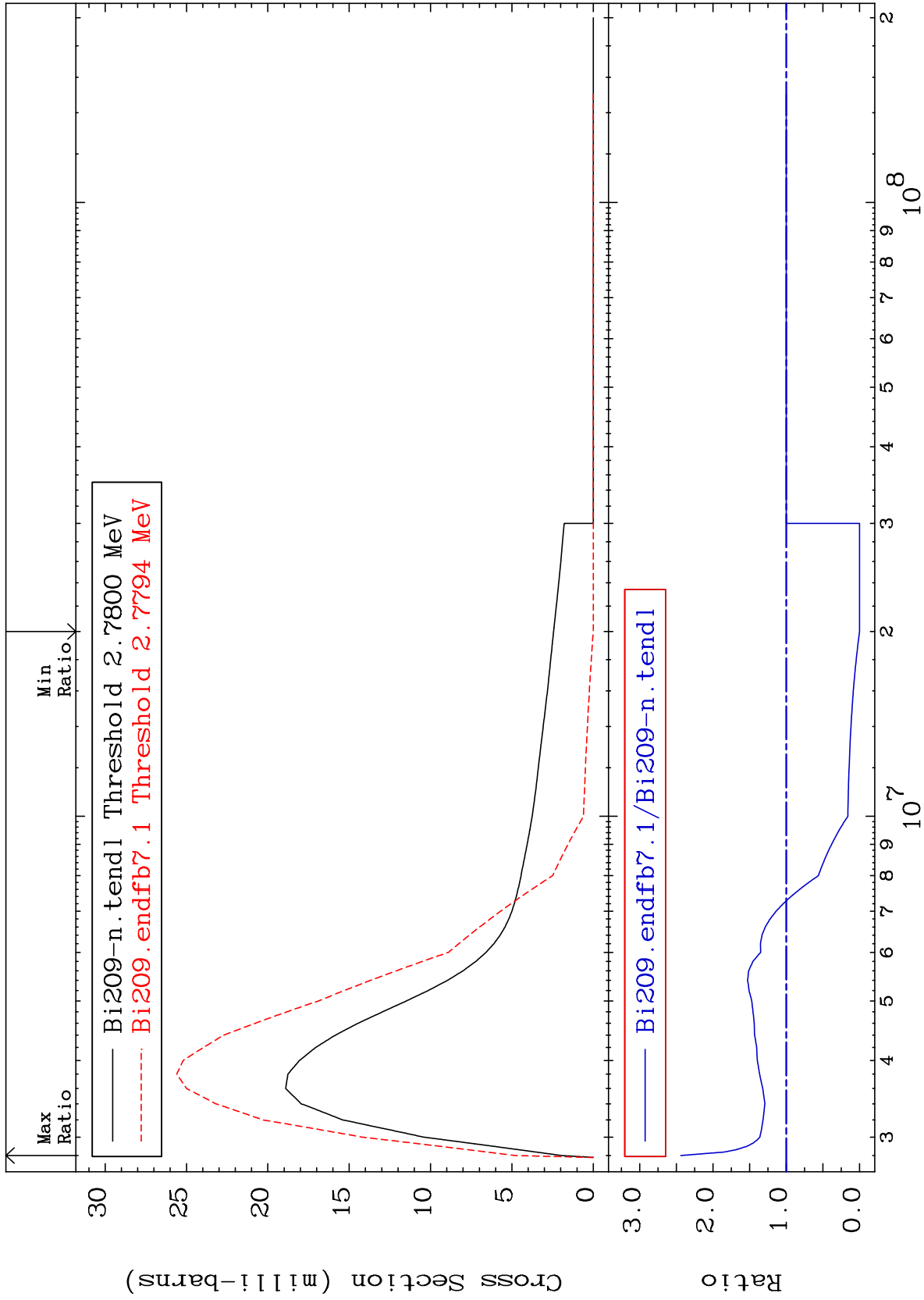
MAT 8325

2.767 MeV (n,n') Level

83-Bi-209

-100.0 To 144.0 %

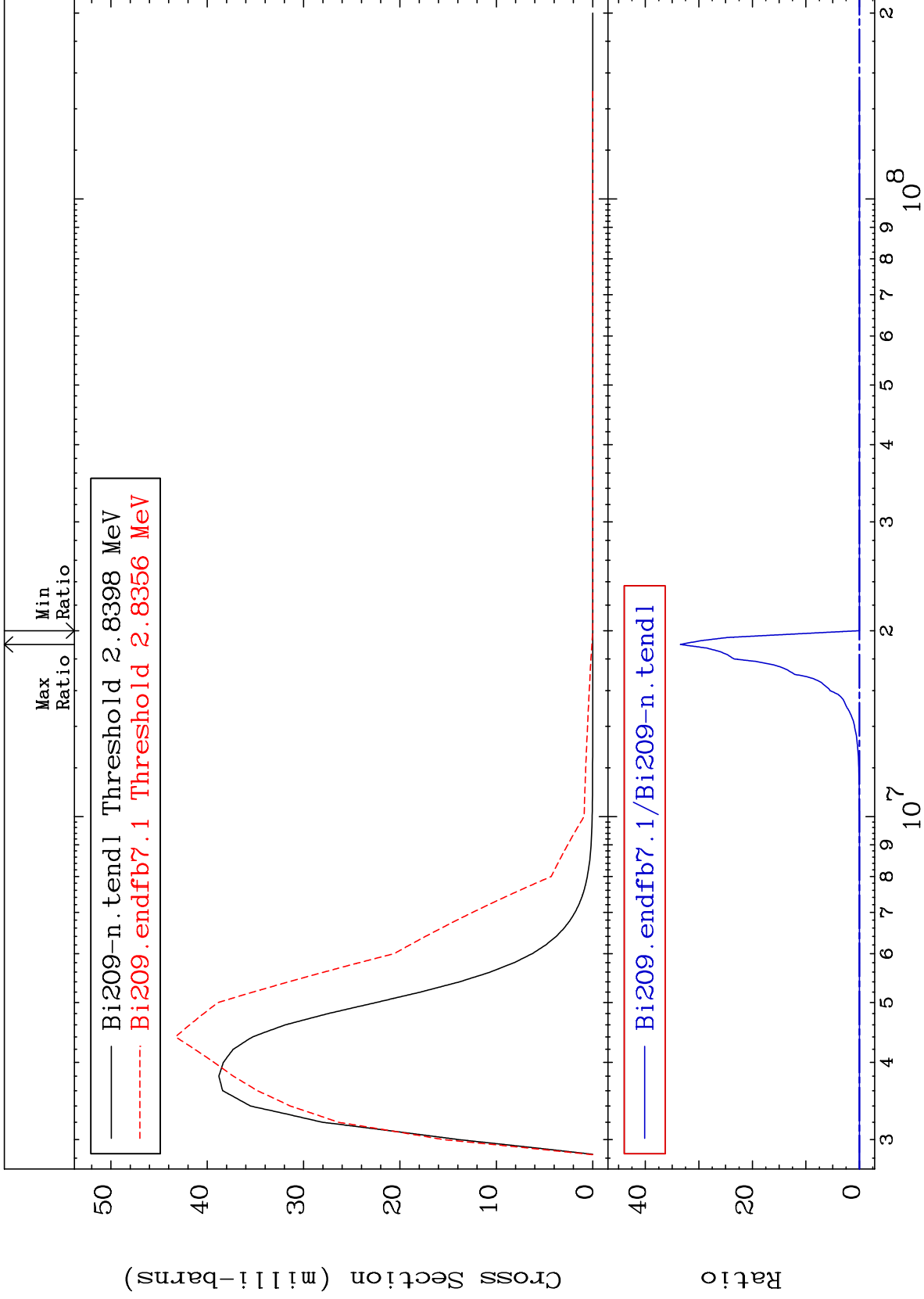
Cross Section



MAT 8325

2.826 MeV (n,n') Level
Cross Section

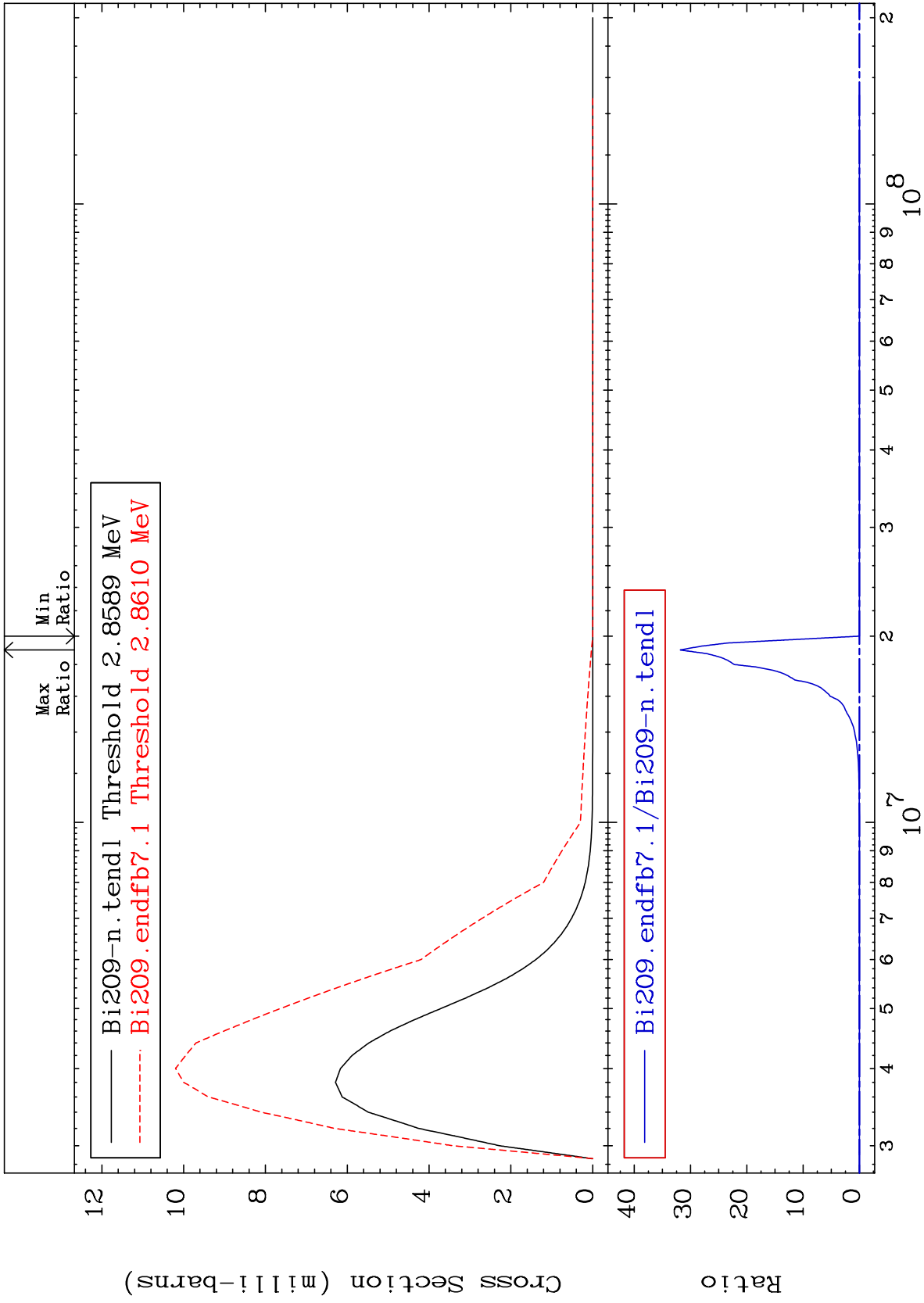
83-Bi-209
-100.0 To 9999. %



MAT 8325

2.845 MeV (n,n') Level
Cross Section

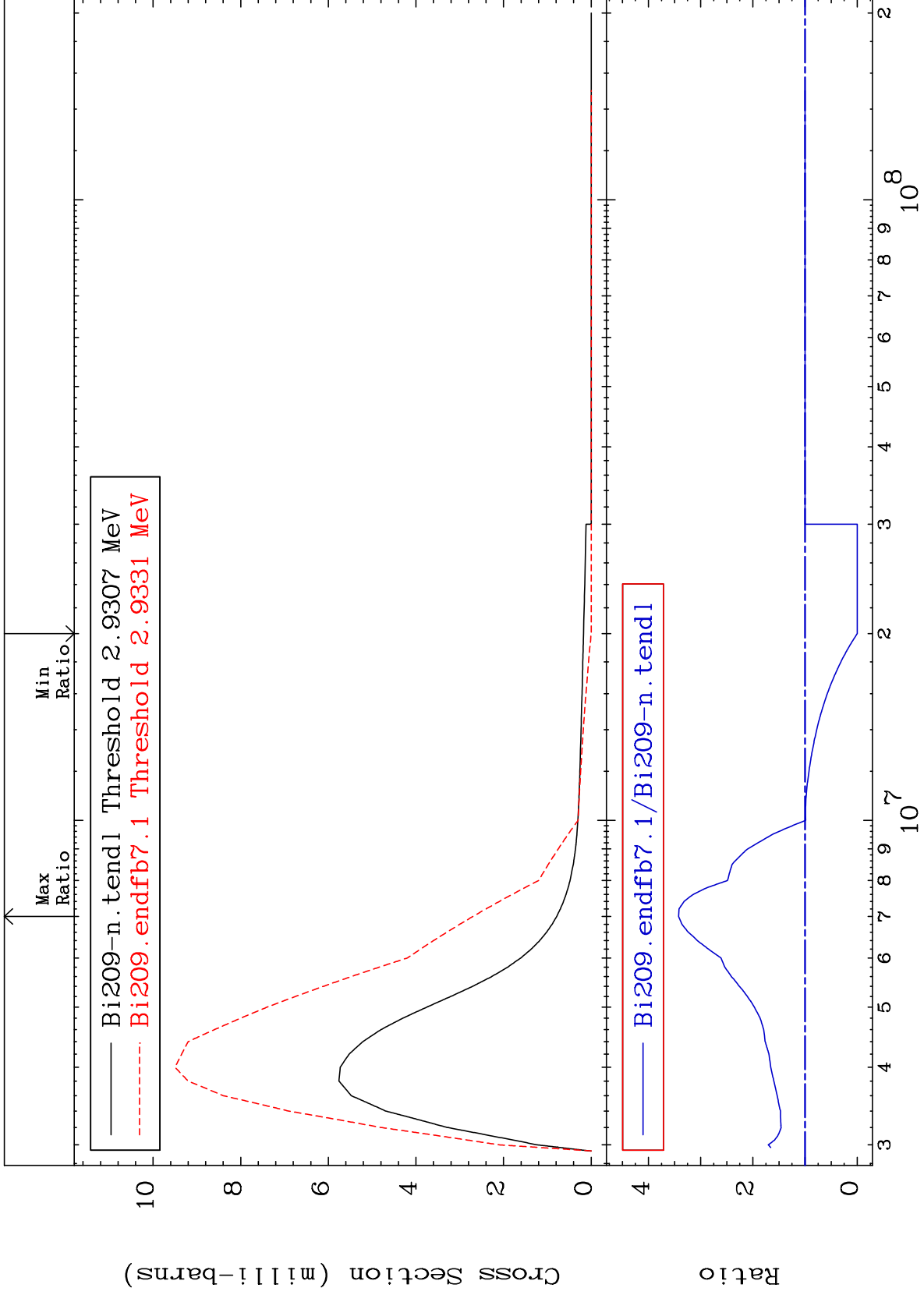
83-Bi-209
-100.0 To 9999. %



MAT 8325

2.917 MeV (n,n') Level
Cross Section

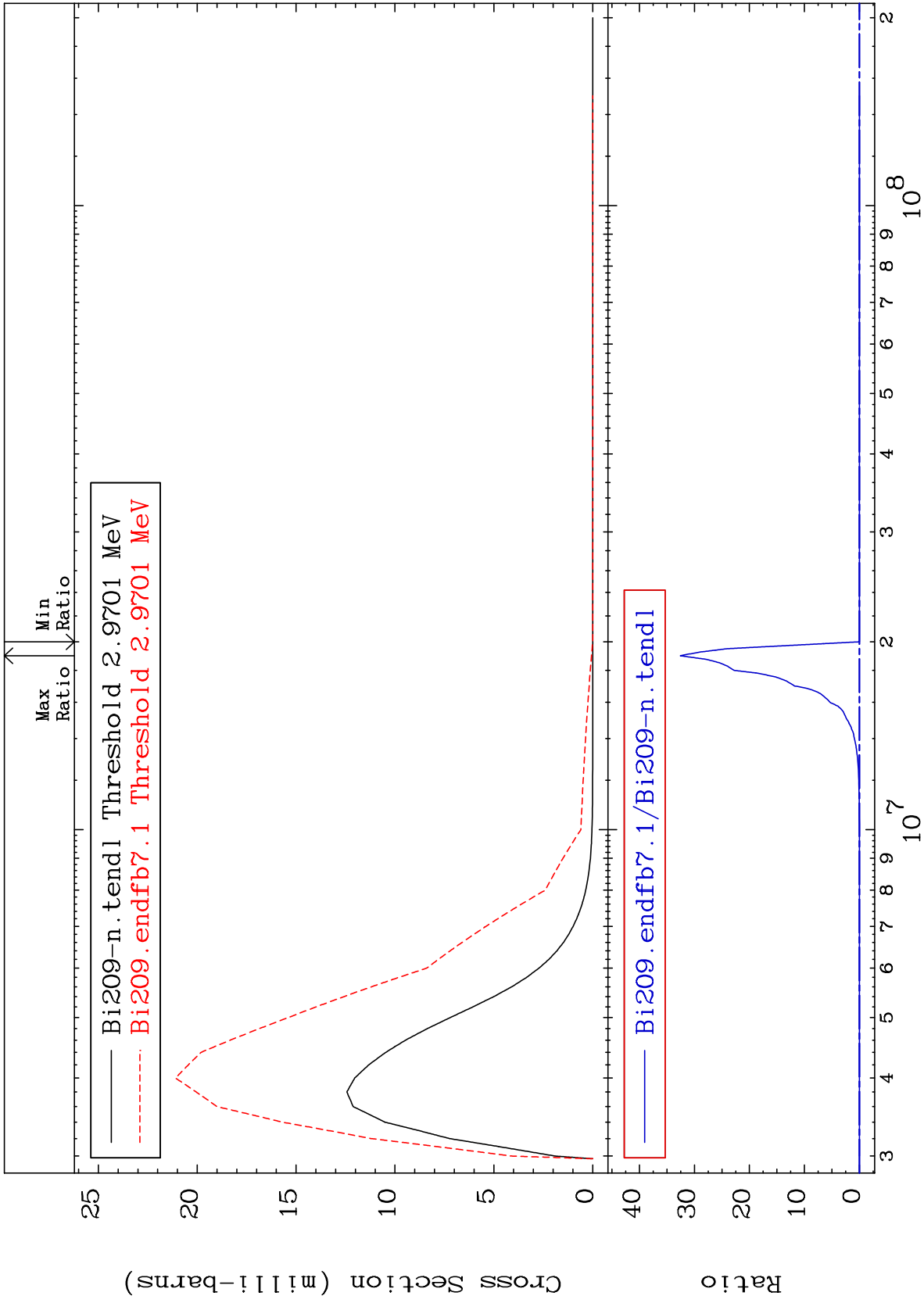
83-Bi-209
-100.0 To 242.2 %



MAT 8325

2.956 MeV (n,n') Level
Cross Section

83-Bi-209
-100.0 To 9999. %



25

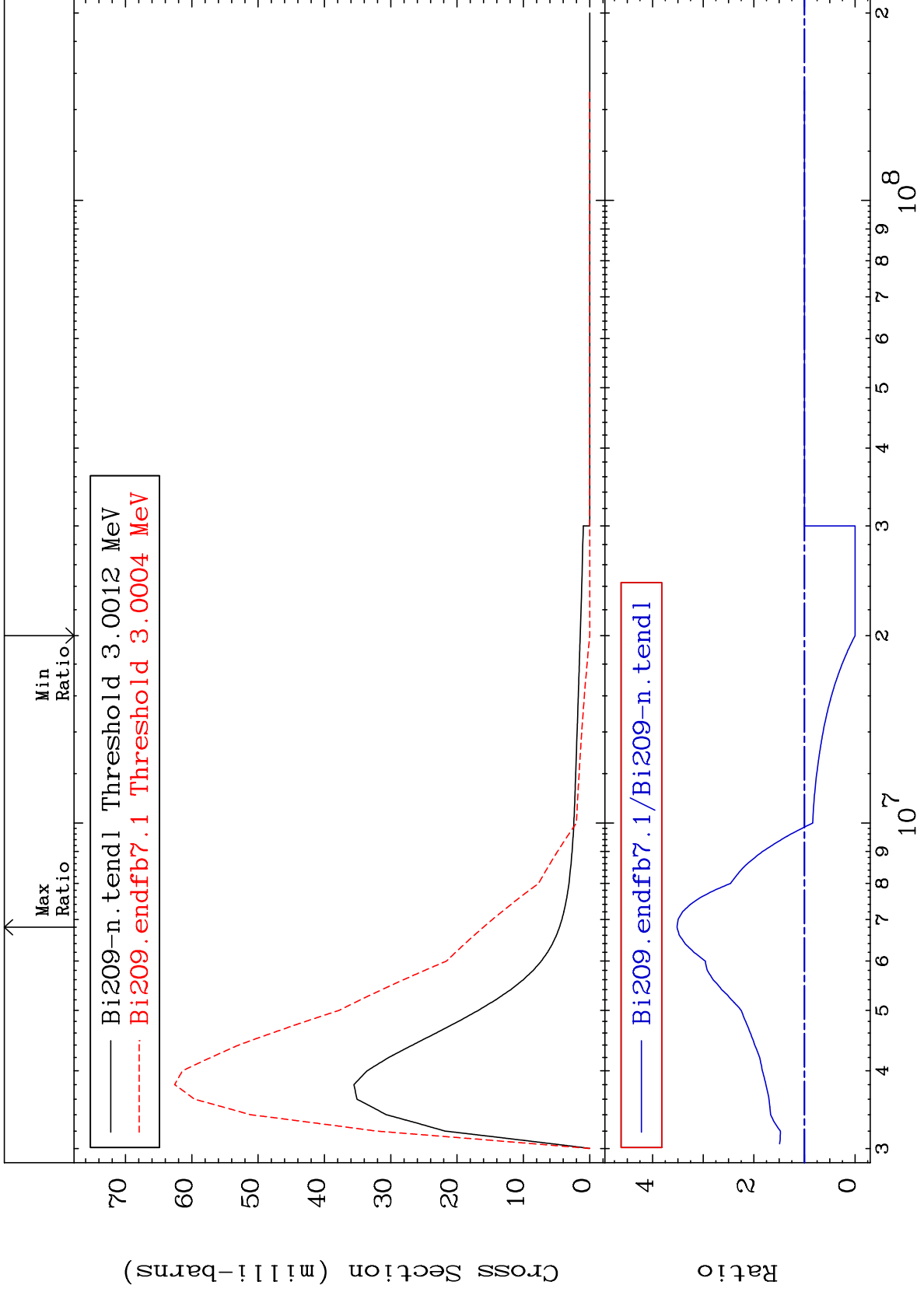
Incident Energy (eV)

83-Bi-209

MAT 8325

2.987 MeV (n,n') Level
Cross Section

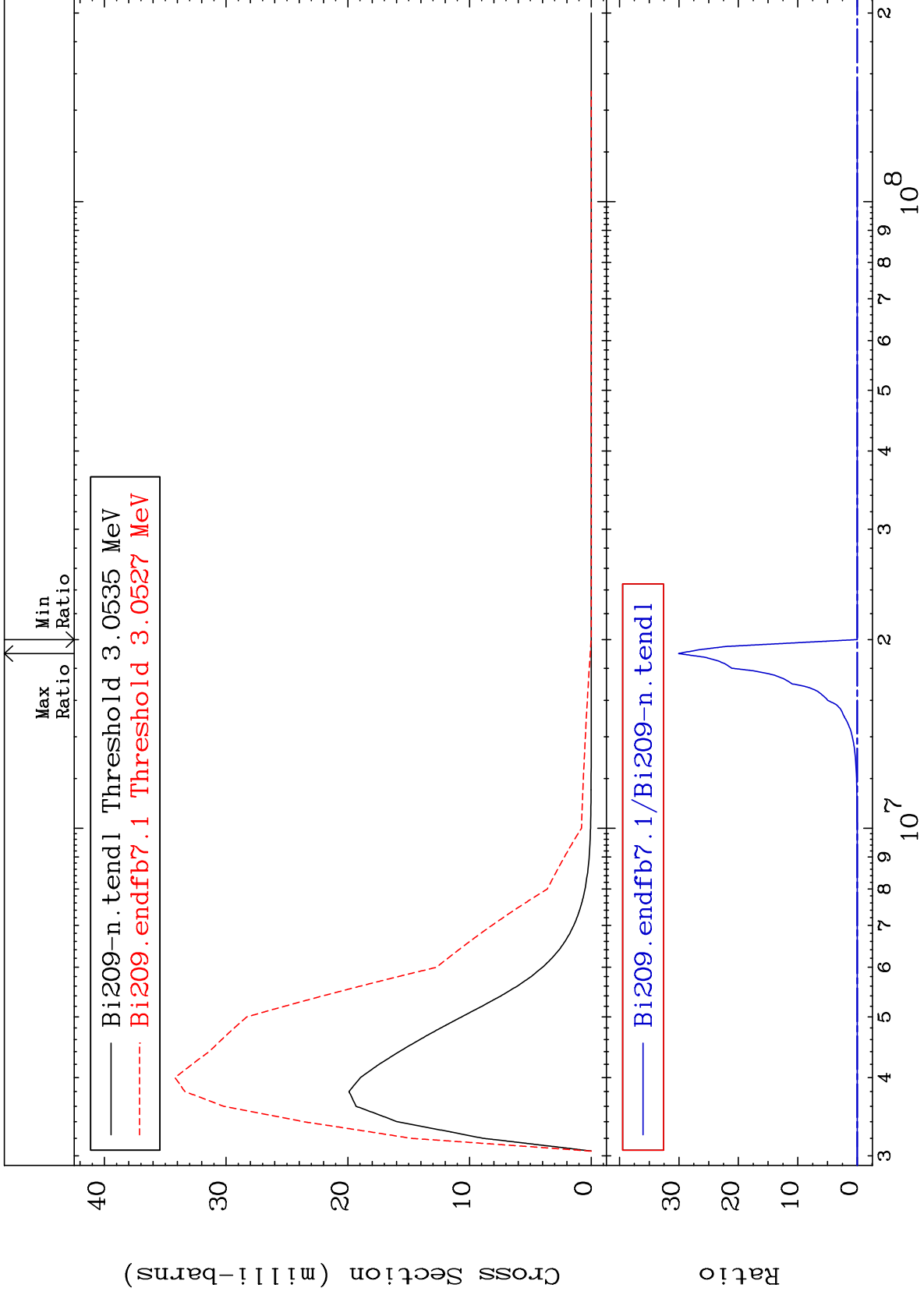
83-Bi-209
-100.0 To 251.8 %



MAT 8325

3.039 MeV (n,n') Level
Cross Section

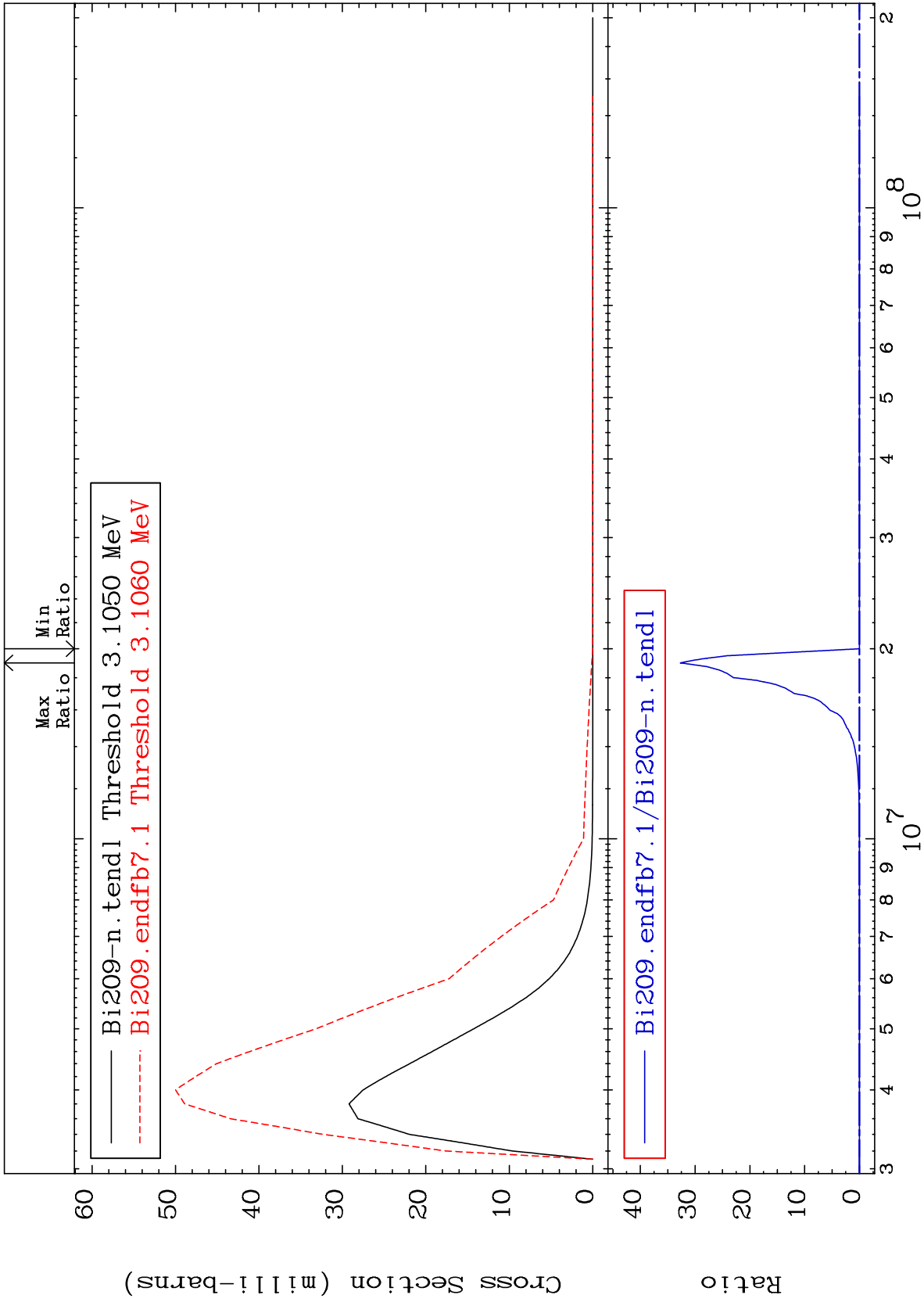
83-Bi-209
-100.0 To 9999. %



MAT 8325

3.090 MeV (n,n') Level
Cross Section

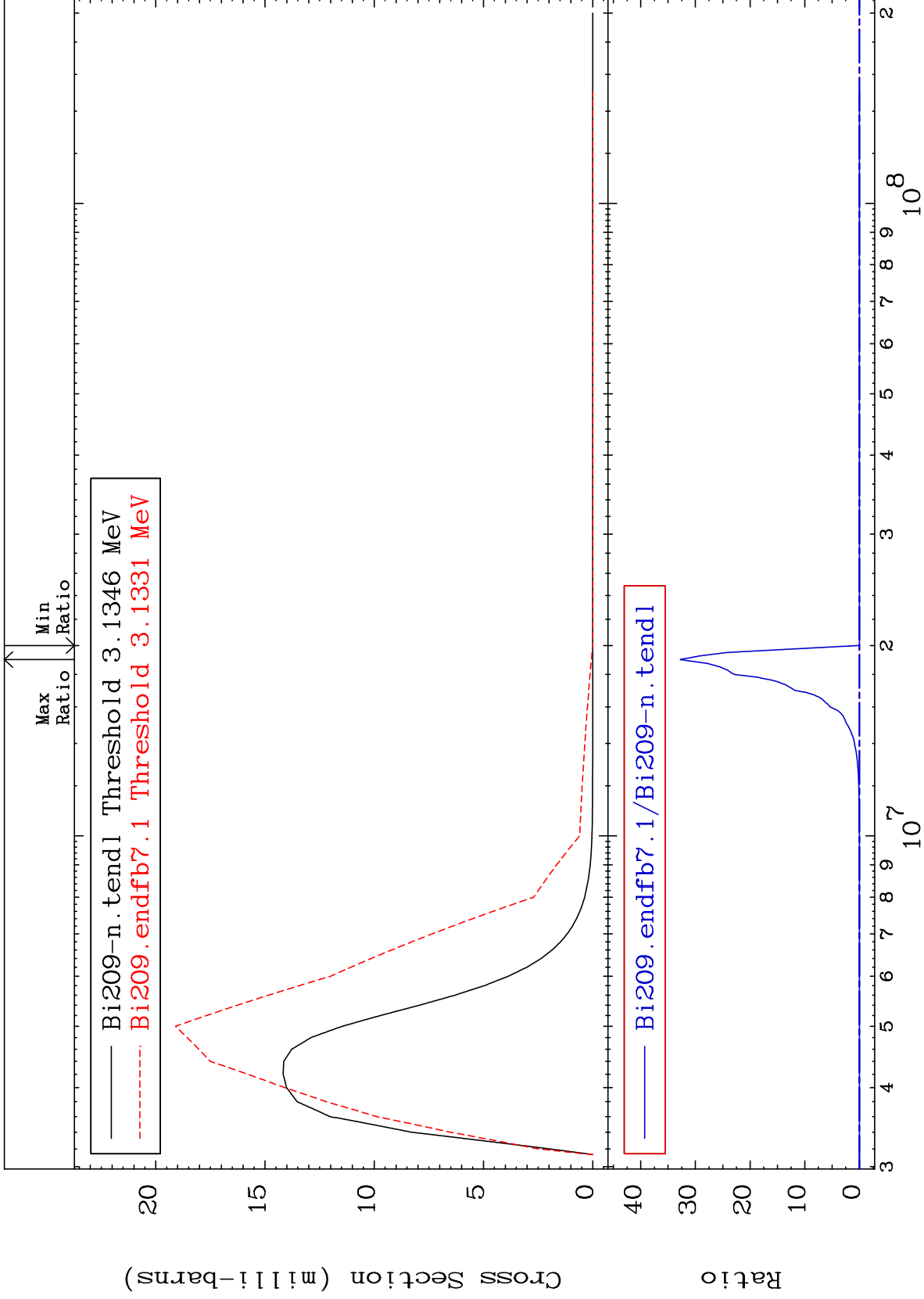
83-Bi-209
-100.0 To 9999. %



MAT 8325

3.120 MeV (n,n') Level
Cross Section

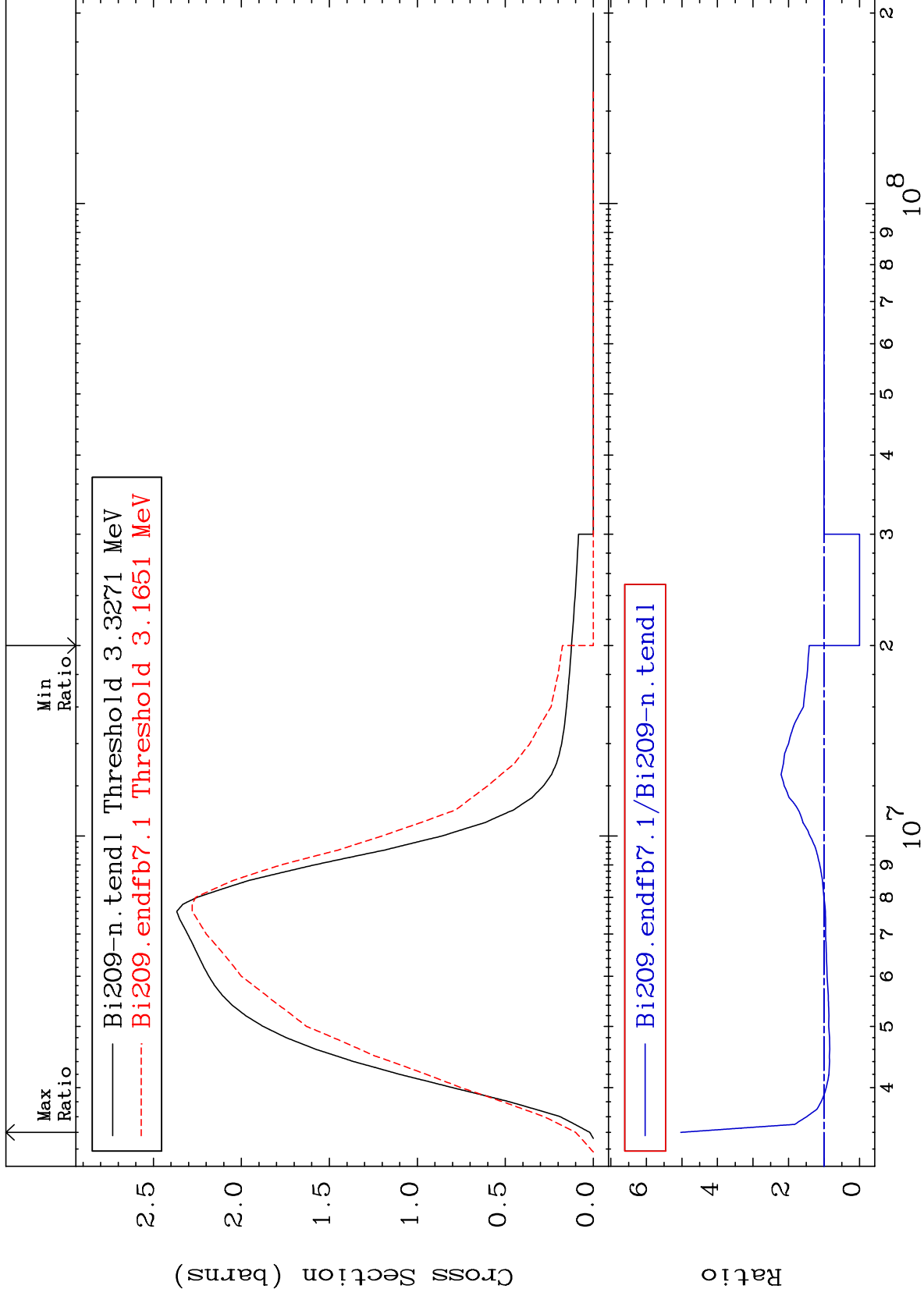
83-Bi-209
-100.0 To 9999. %



MAT 8325

(n, n') Continuum
Cross Section

83-Bi-209
-100.0 To 403.2 %



30

Incident Energy (eV)

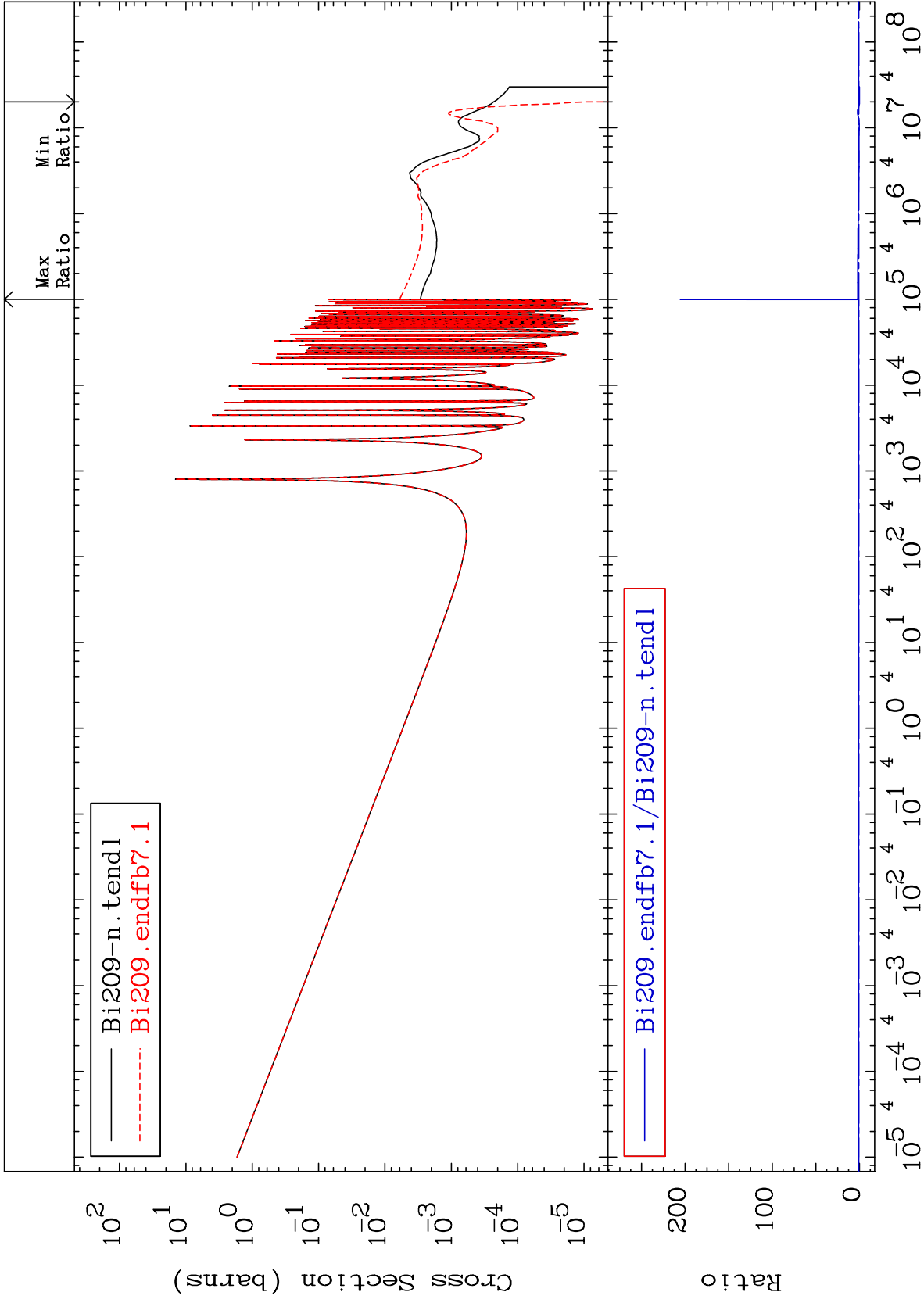
83-Bi-209

MAT 8325

(n, γ)
Cross Section

83-Bi-209

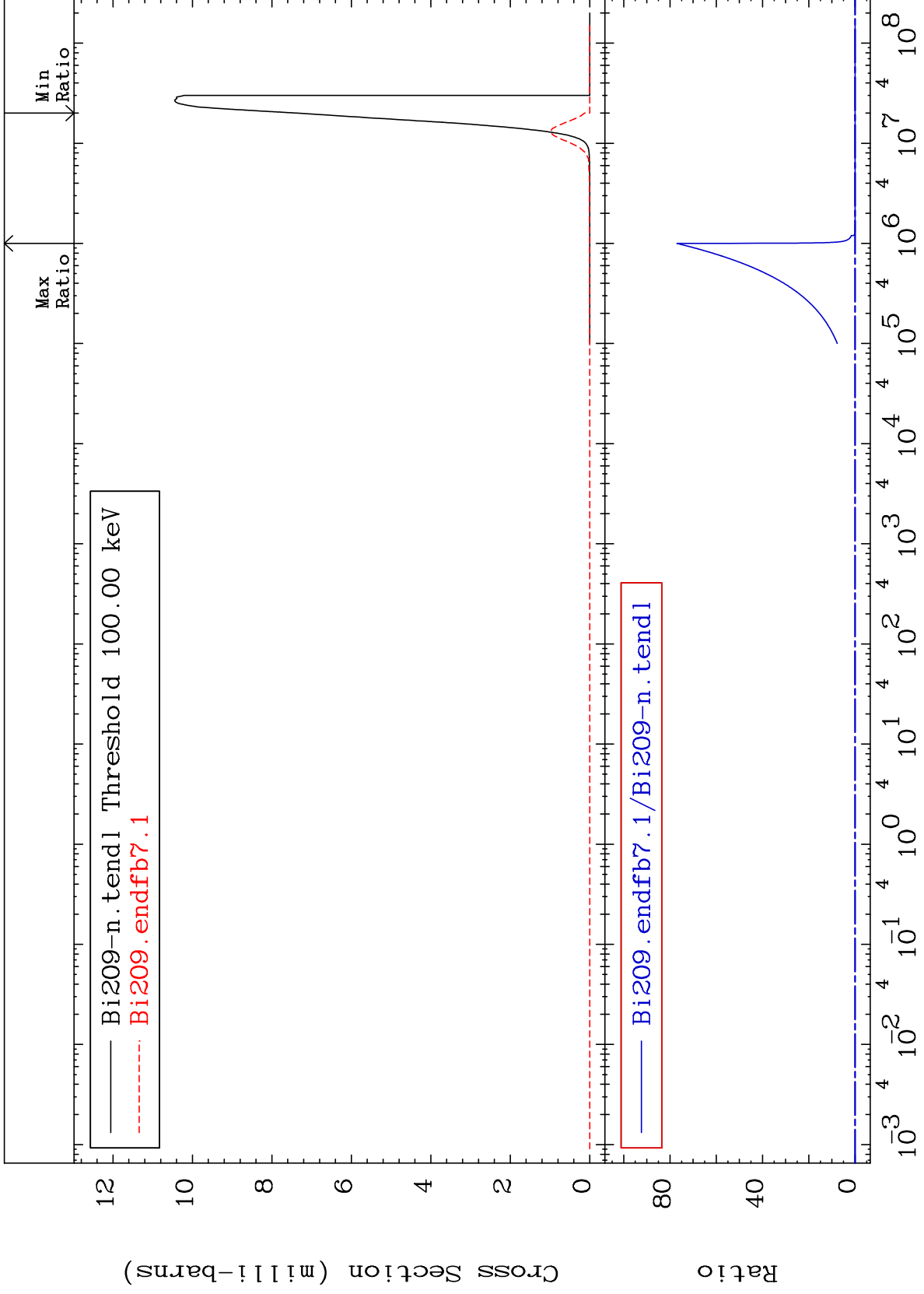
-100.0 To 9999. %

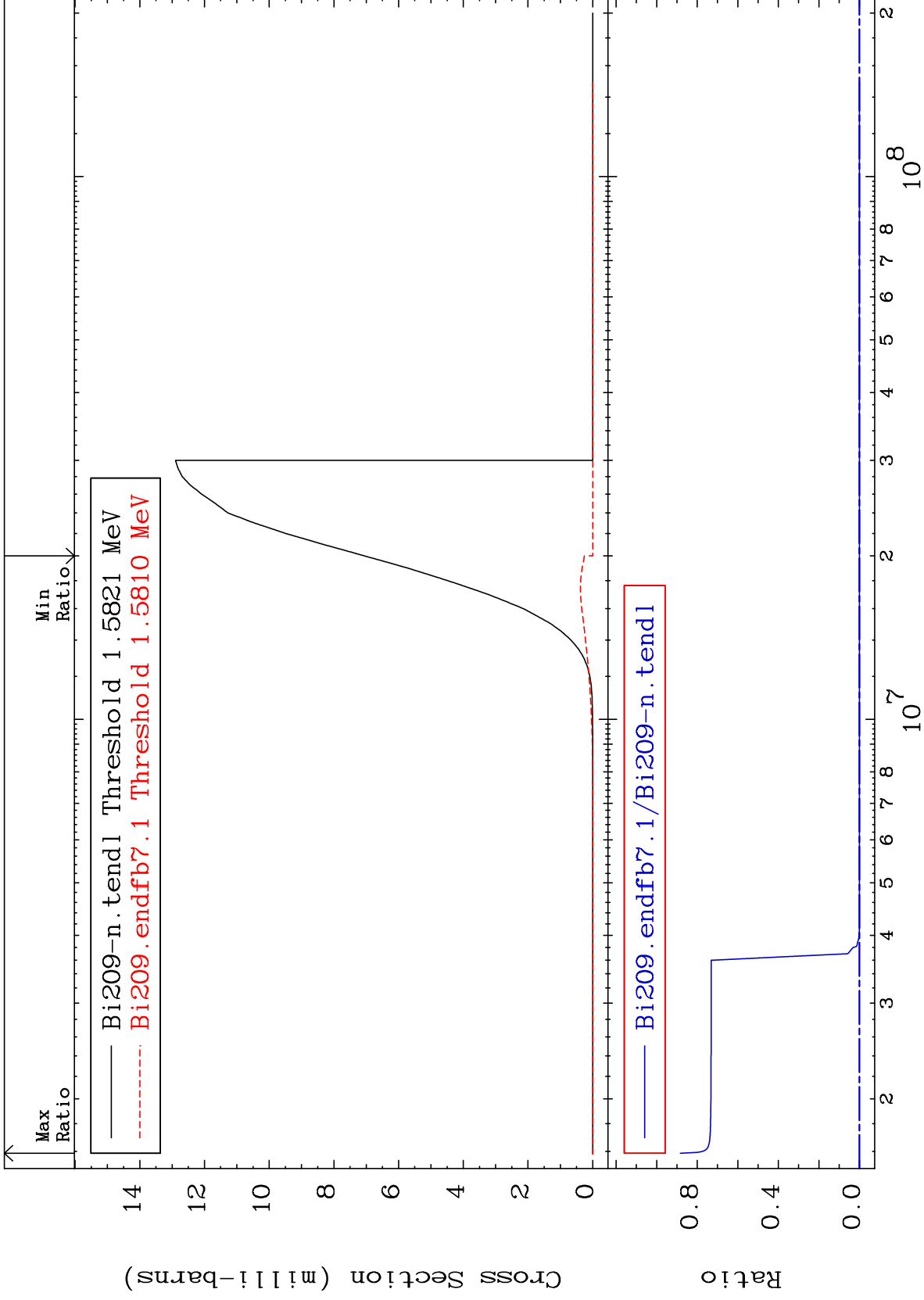


MAT 8325

(n,p)
Cross Section

83-Bi-209
-100.0 To 9999. %

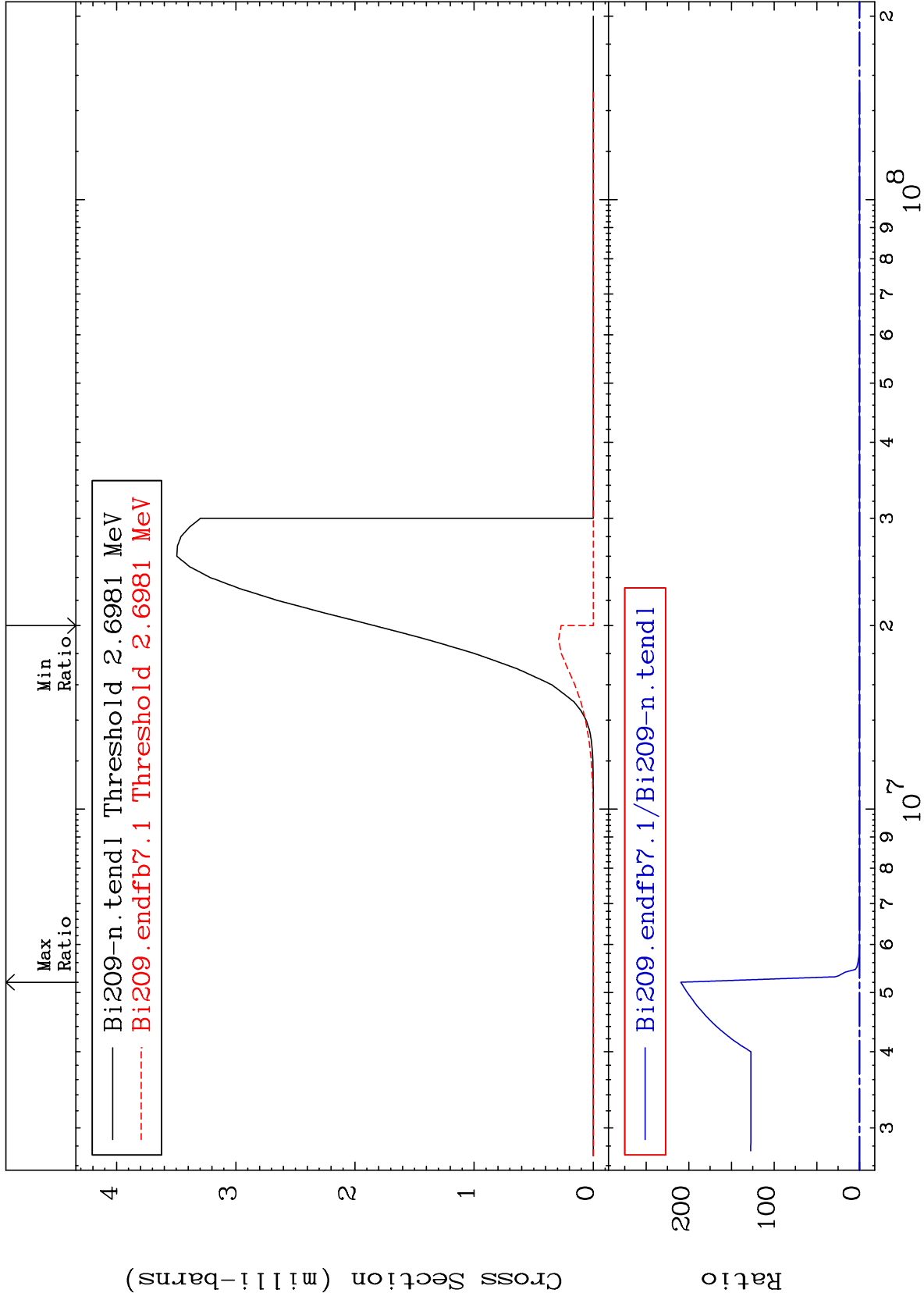




MAT 8325

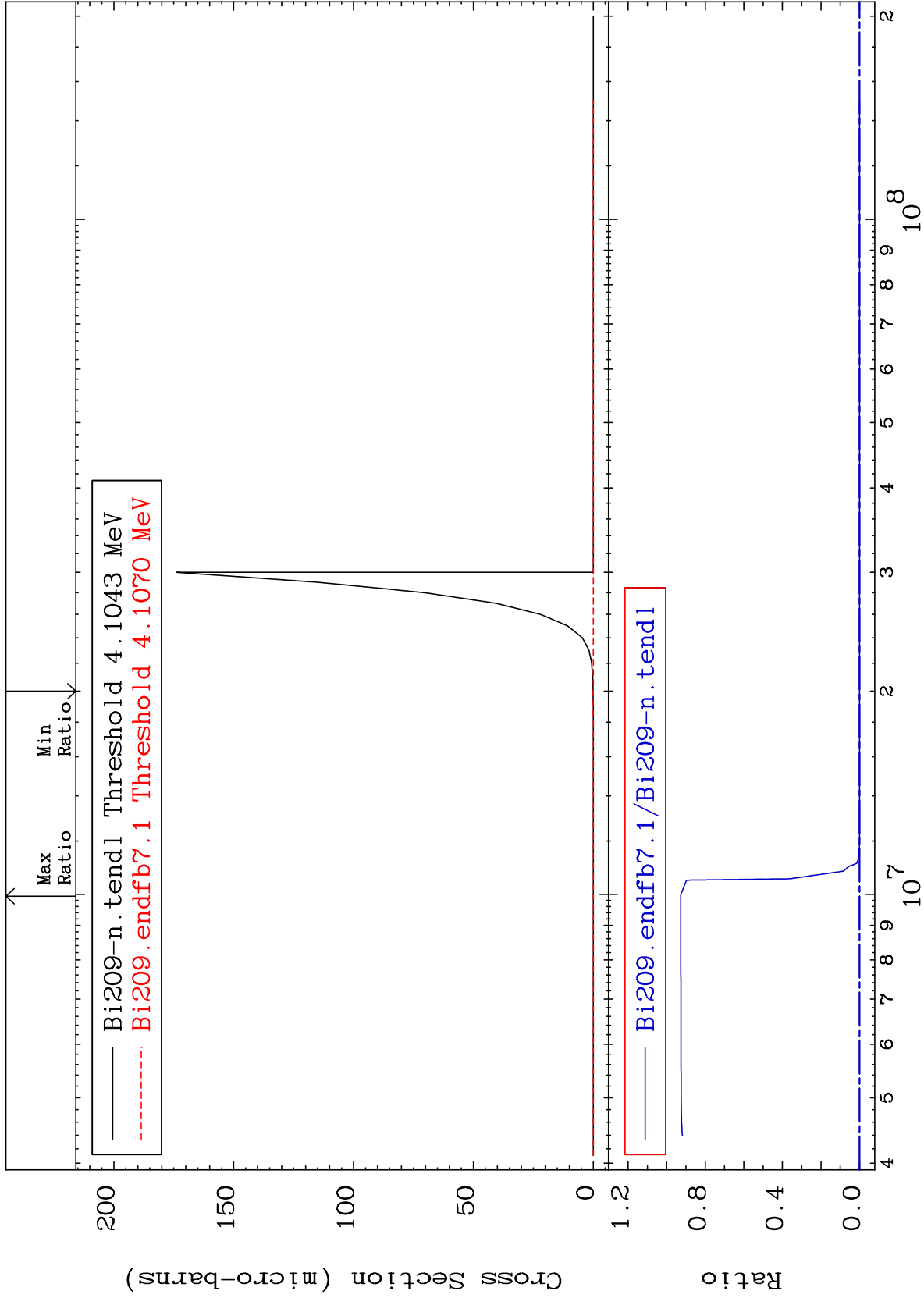
83-Bi-209

(n, t)
Cross Section
-100.0 To 9999. %



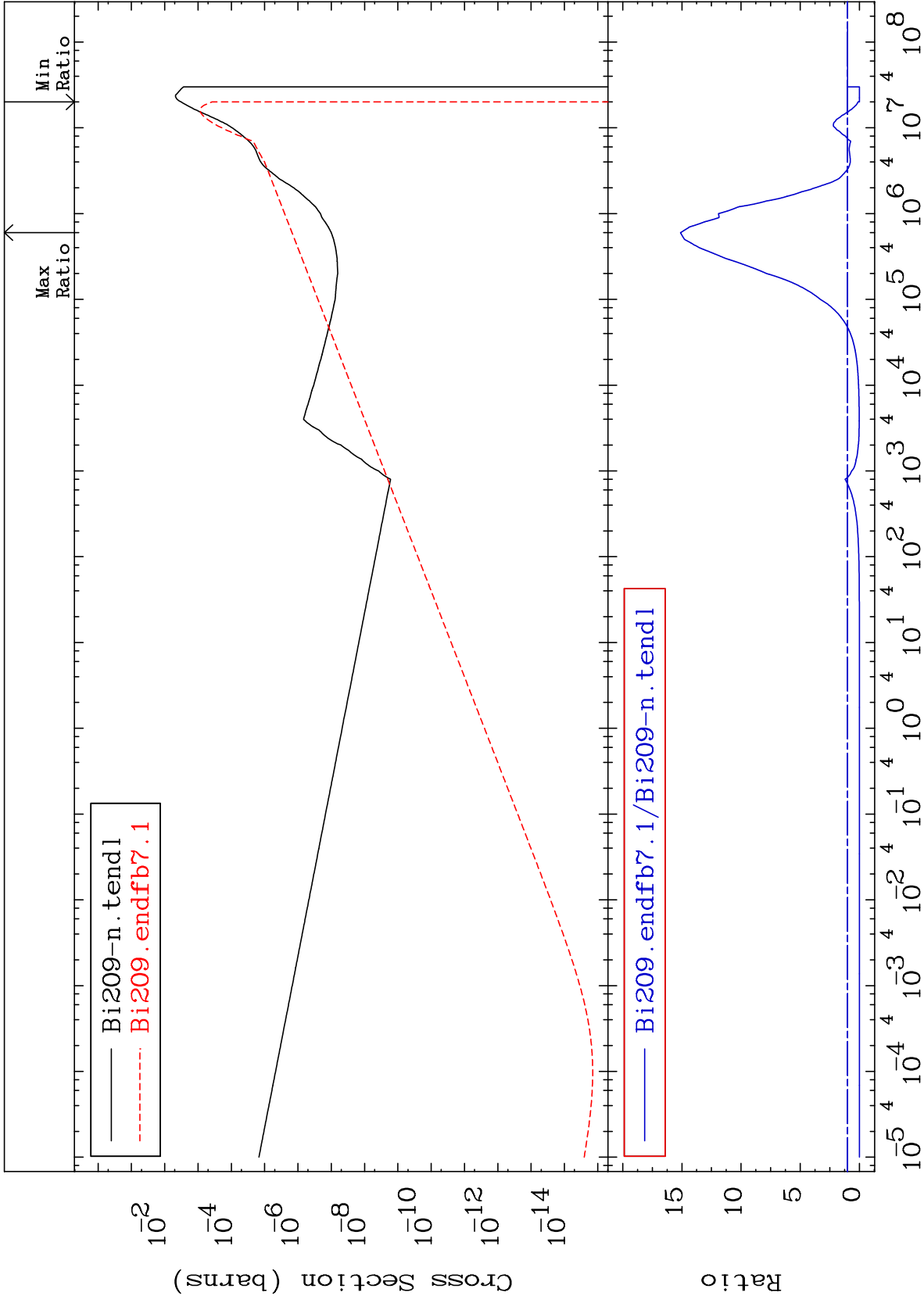
Cross Section

-100.0 To 9999. %



MAT 8325

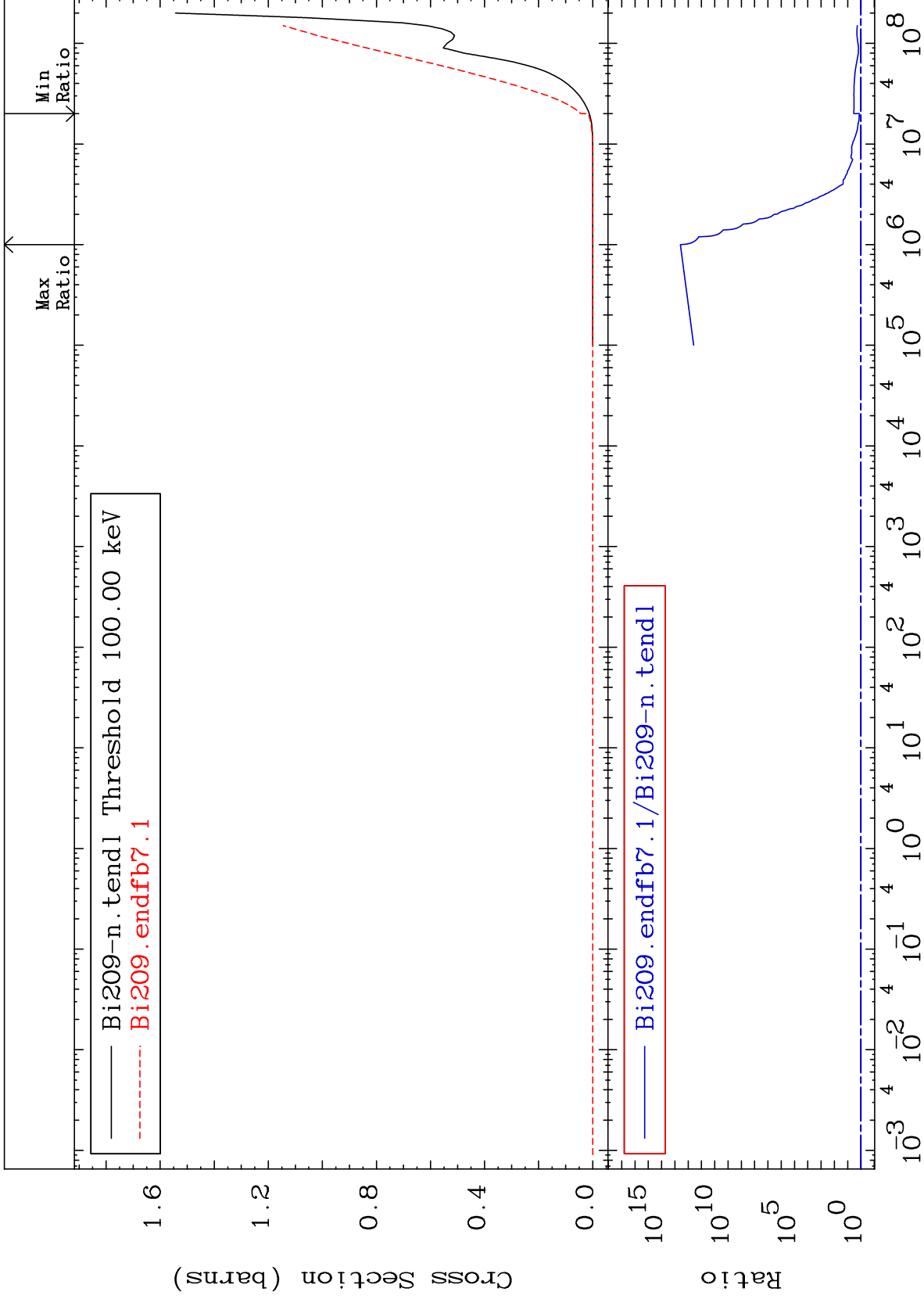
(n, α)
Cross Section
83-Bi-209
-100.0 To 1413. %



MAT 8325

Hydrogen Production
Cross Section

83-Bi-209
30.29 To 9999. %



37

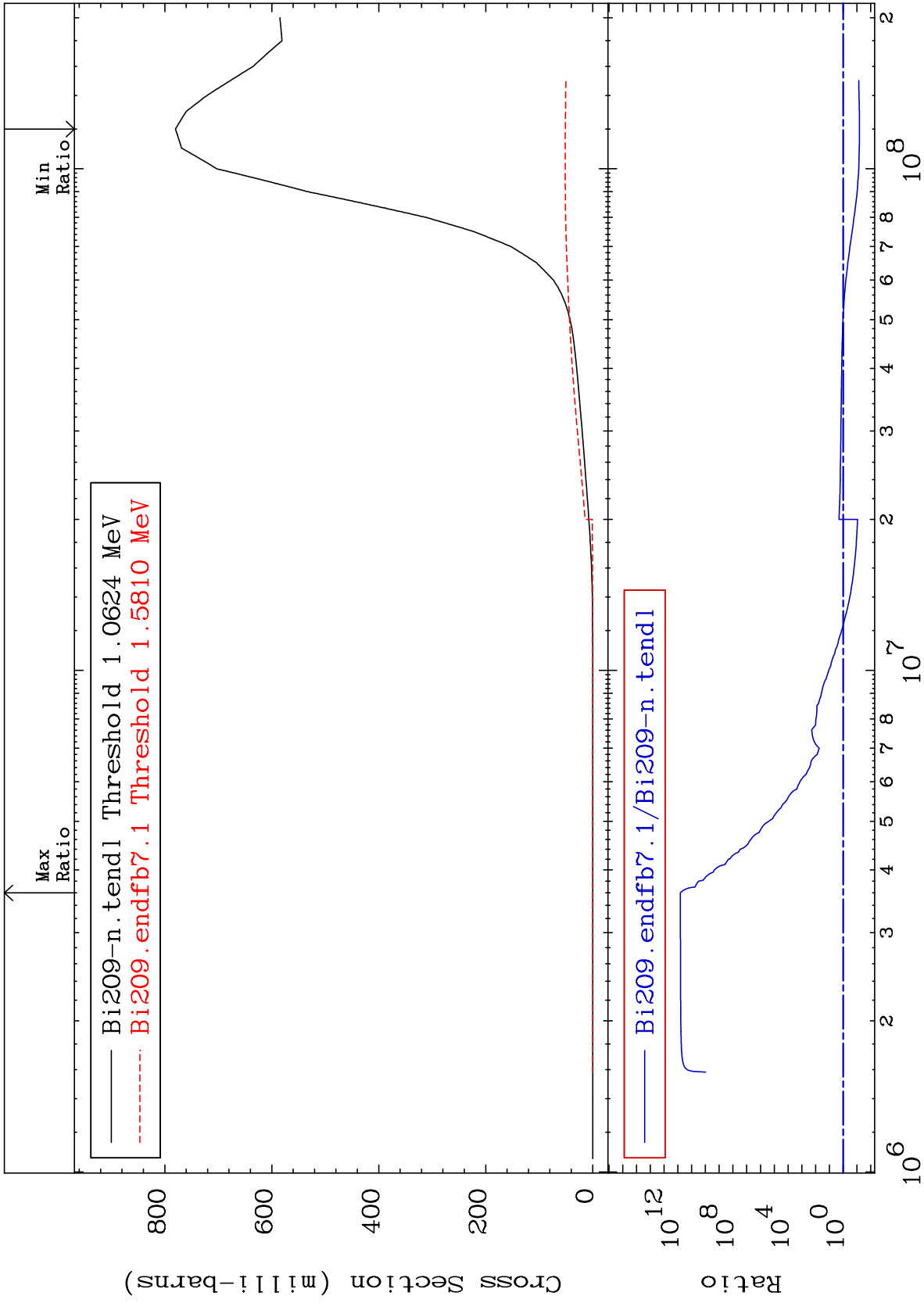
Incident Energy (eV)

83-Bi-209

MAT 8325

Deuterium Production
Cross Section

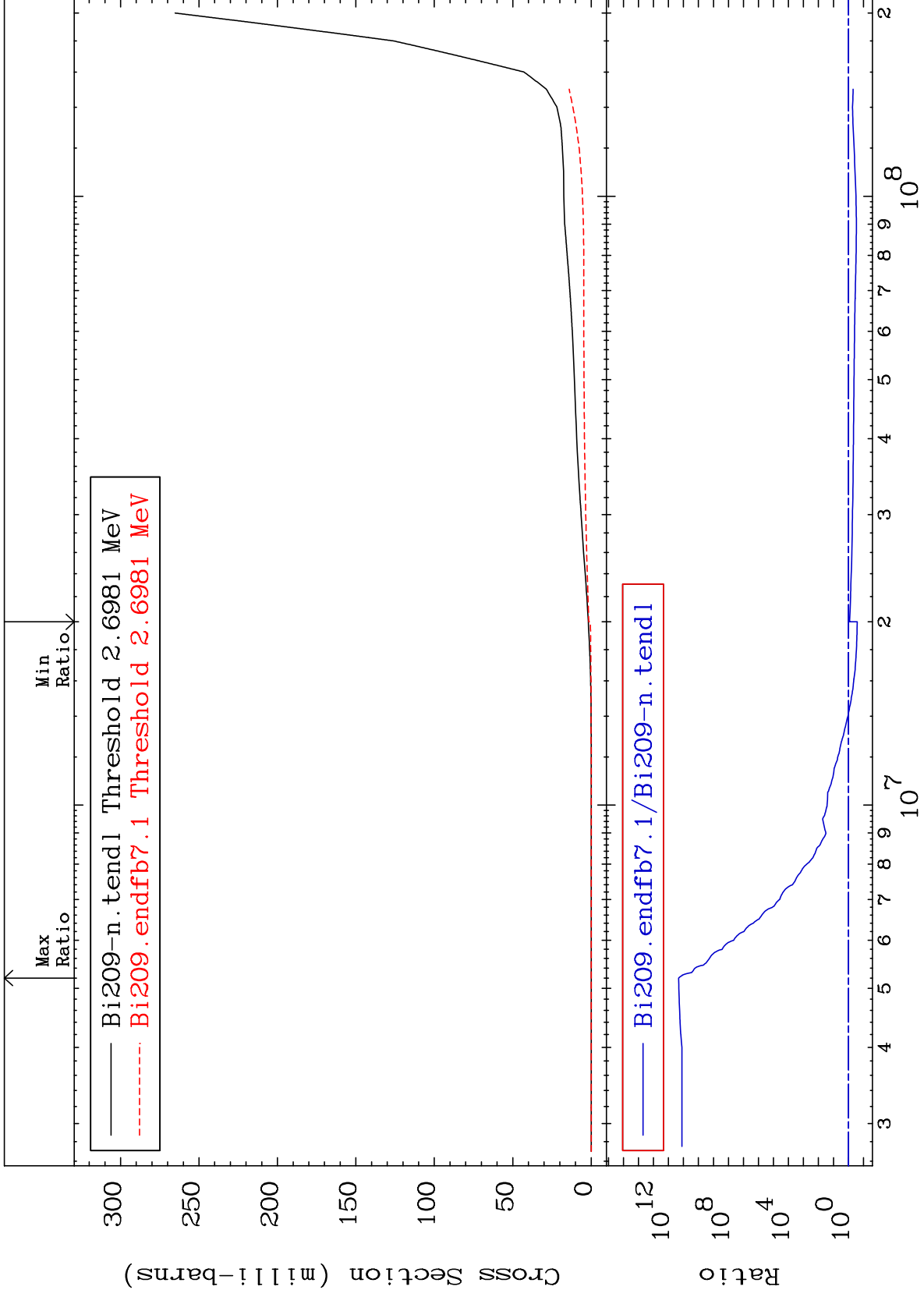
83-Bi-209
-93.44 To 9999. %



38

Incident Energy (eV)

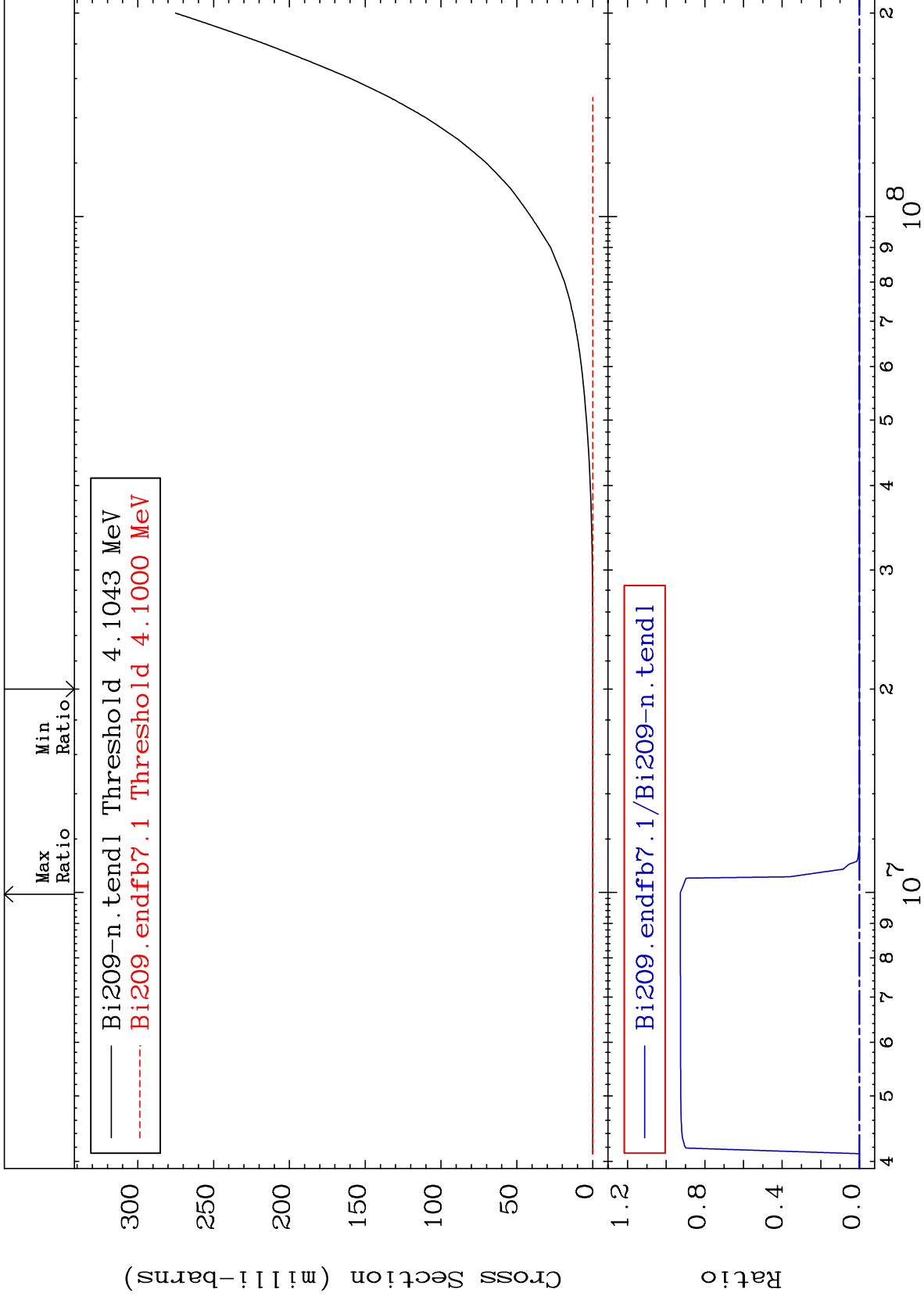
83-Bi-209



MAT 8325

He-3 Production
Cross Section

83-Bi-209
-100.0 To 9999. %



40

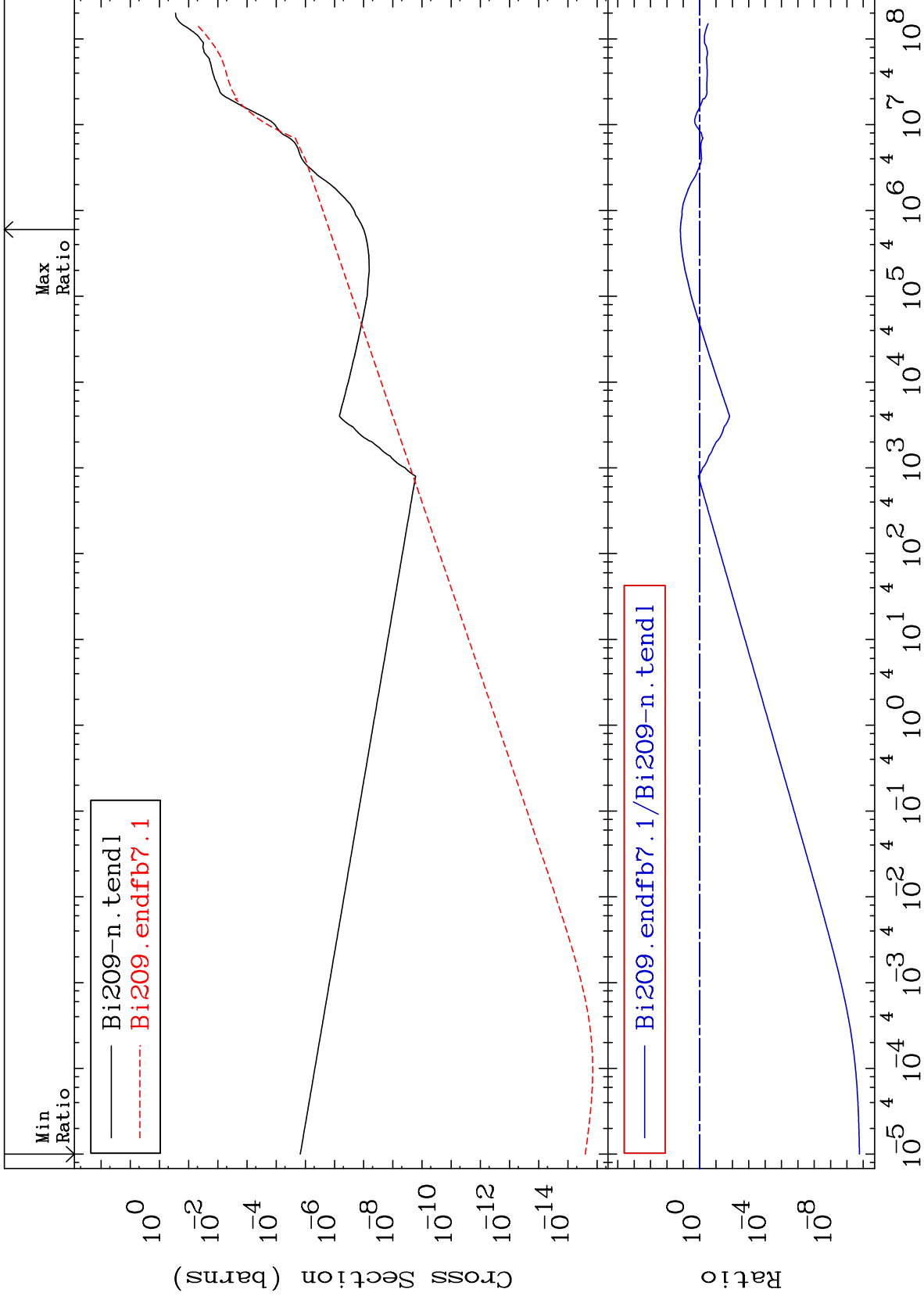
Incident Energy (eV)

83-Bi-209

MAT 8325

He-4 Production
Cross Section

83-Bi-209
-100.0 To 1413. %



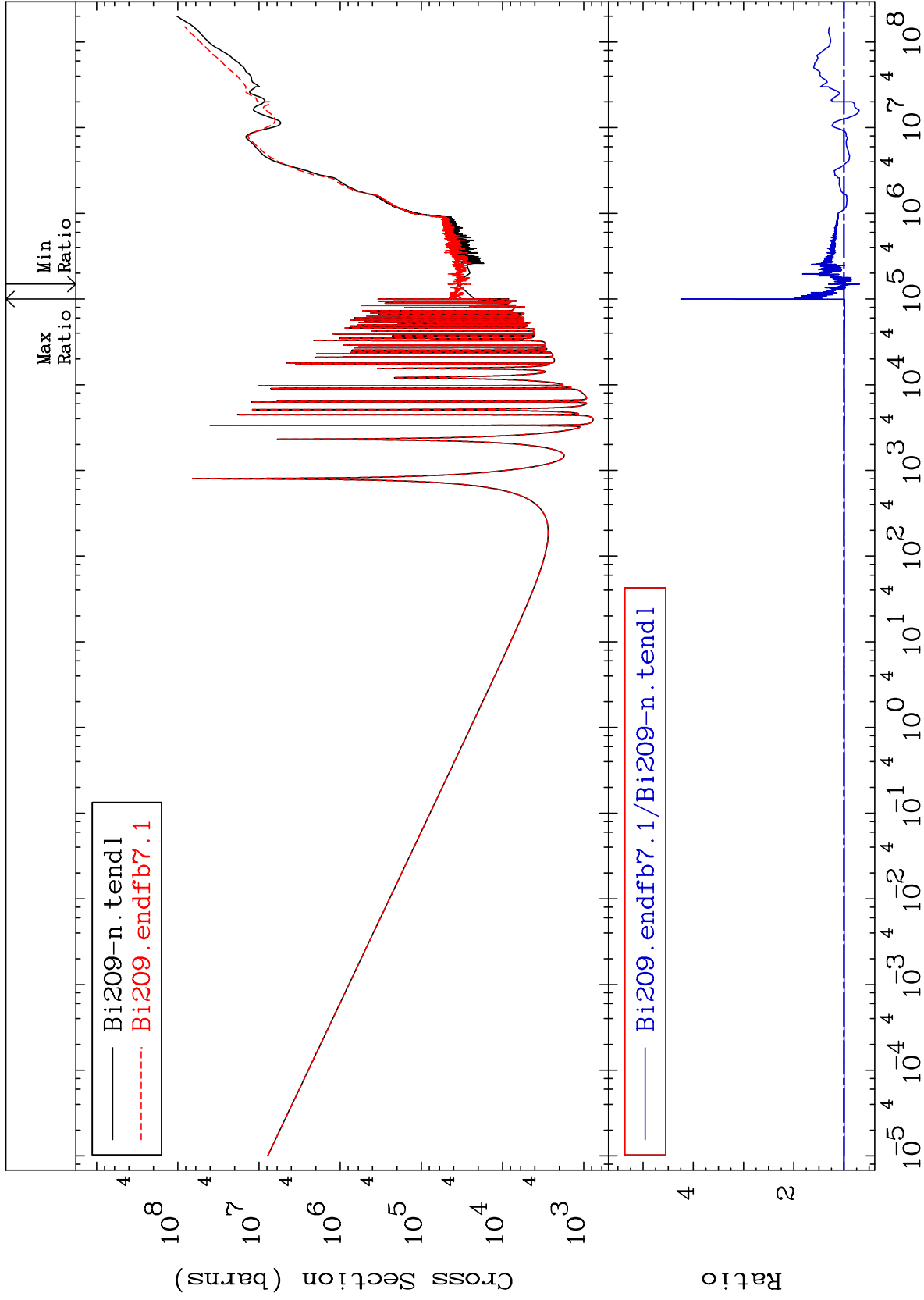
MAT 8325

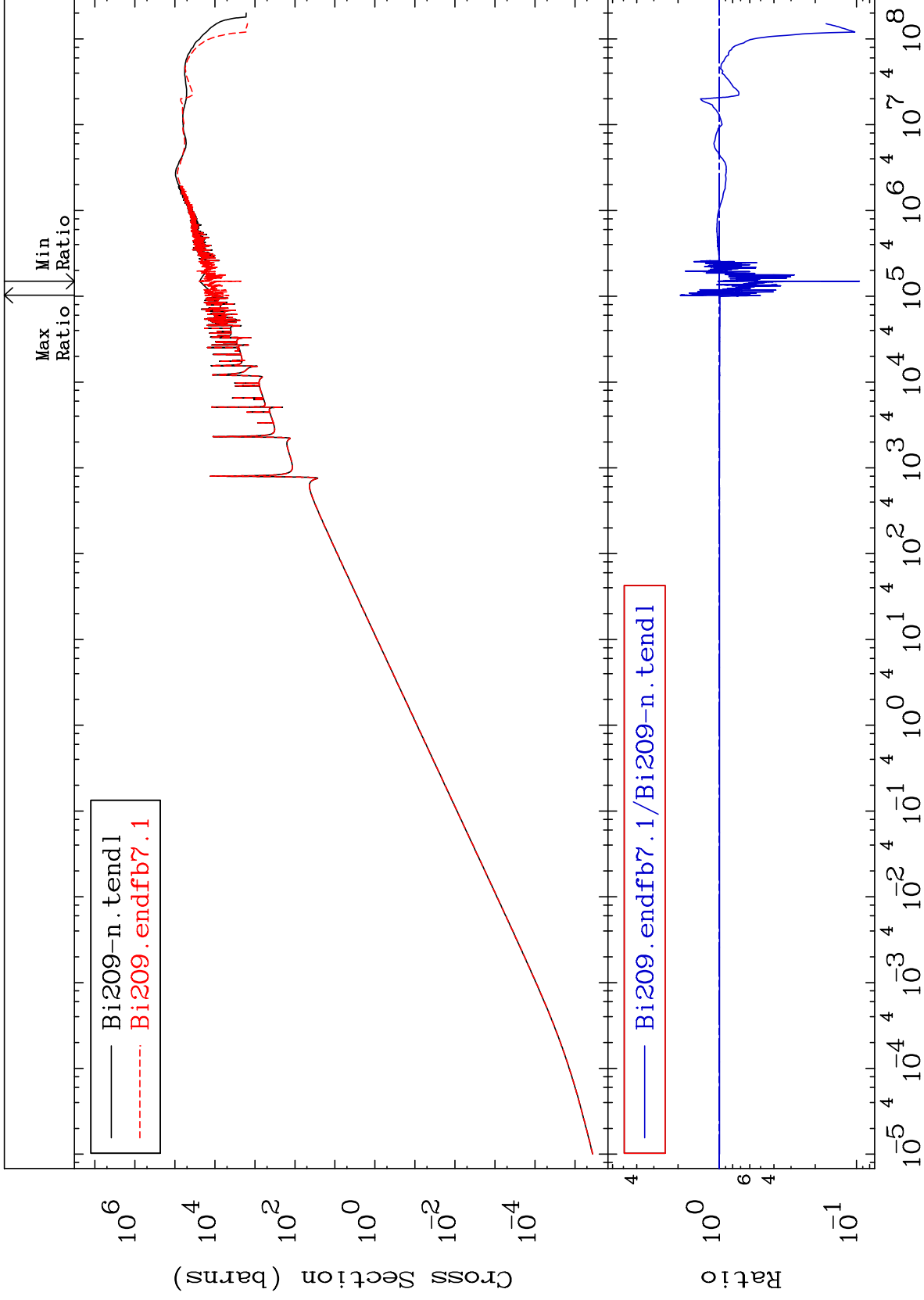
Kerma total (eV-barns)

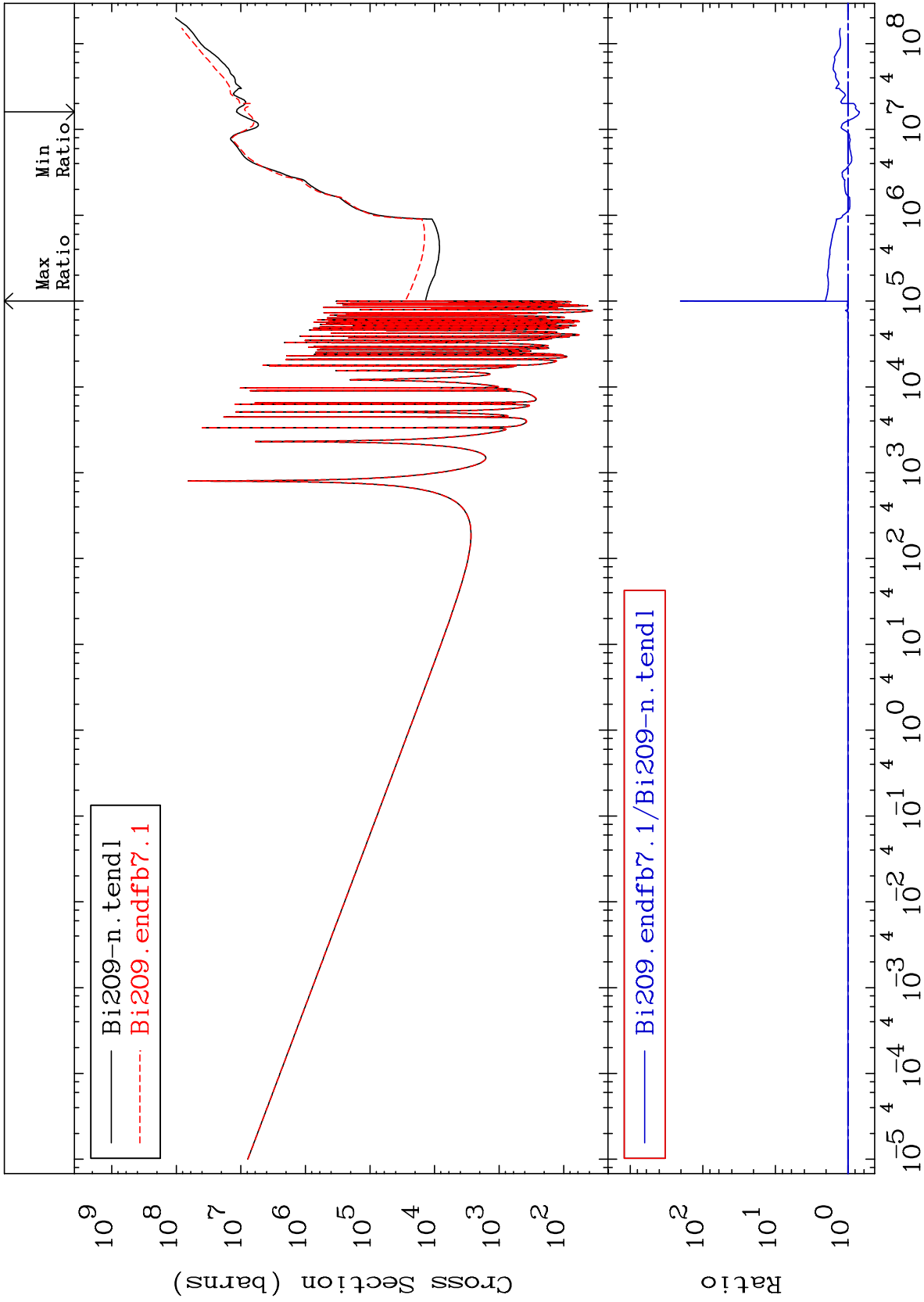
83-Bi-209

Cross Section

-30.97 To 324.9 %



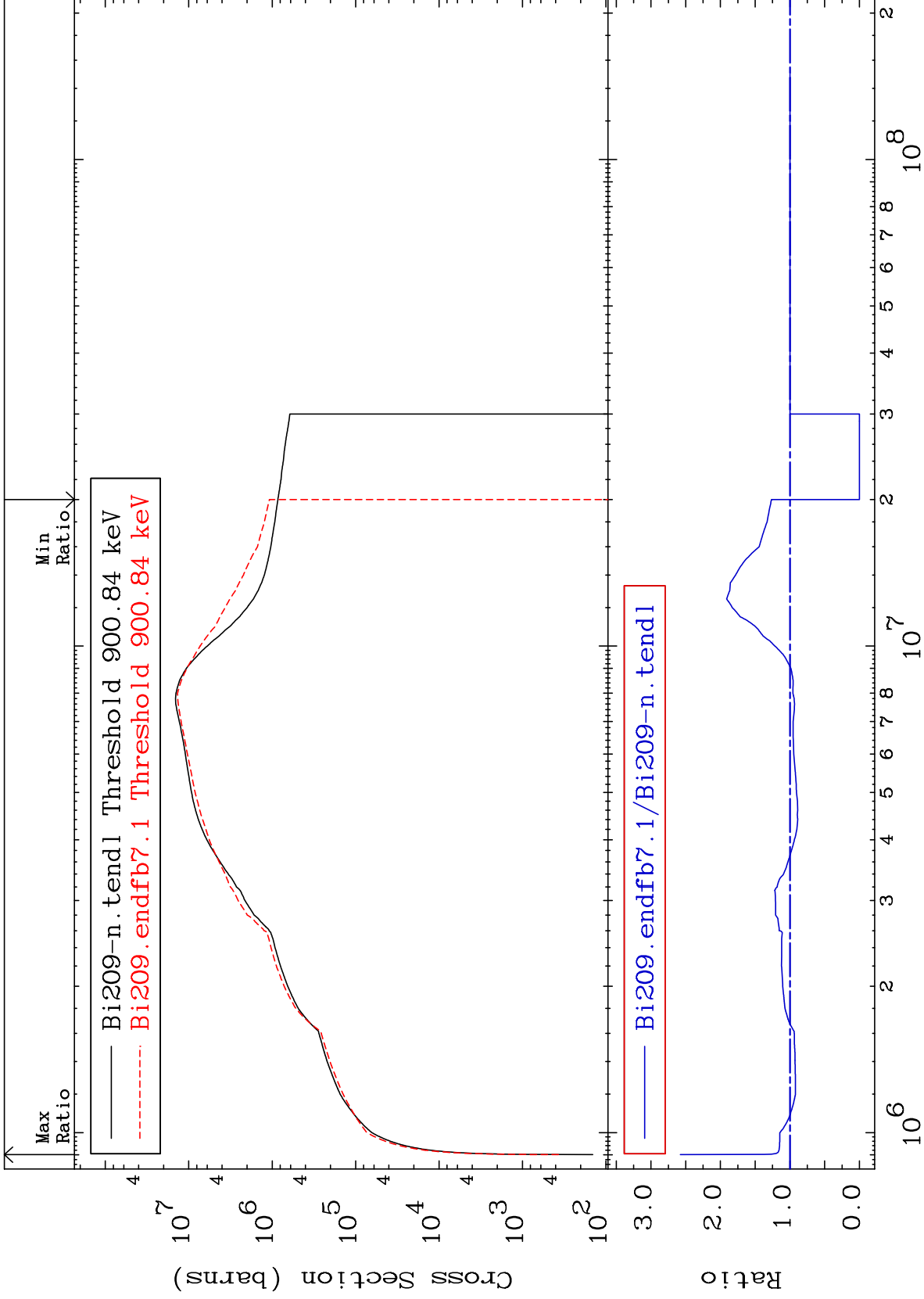




MAT 8325

Kerma inelastic (mt51-91)
Cross Section

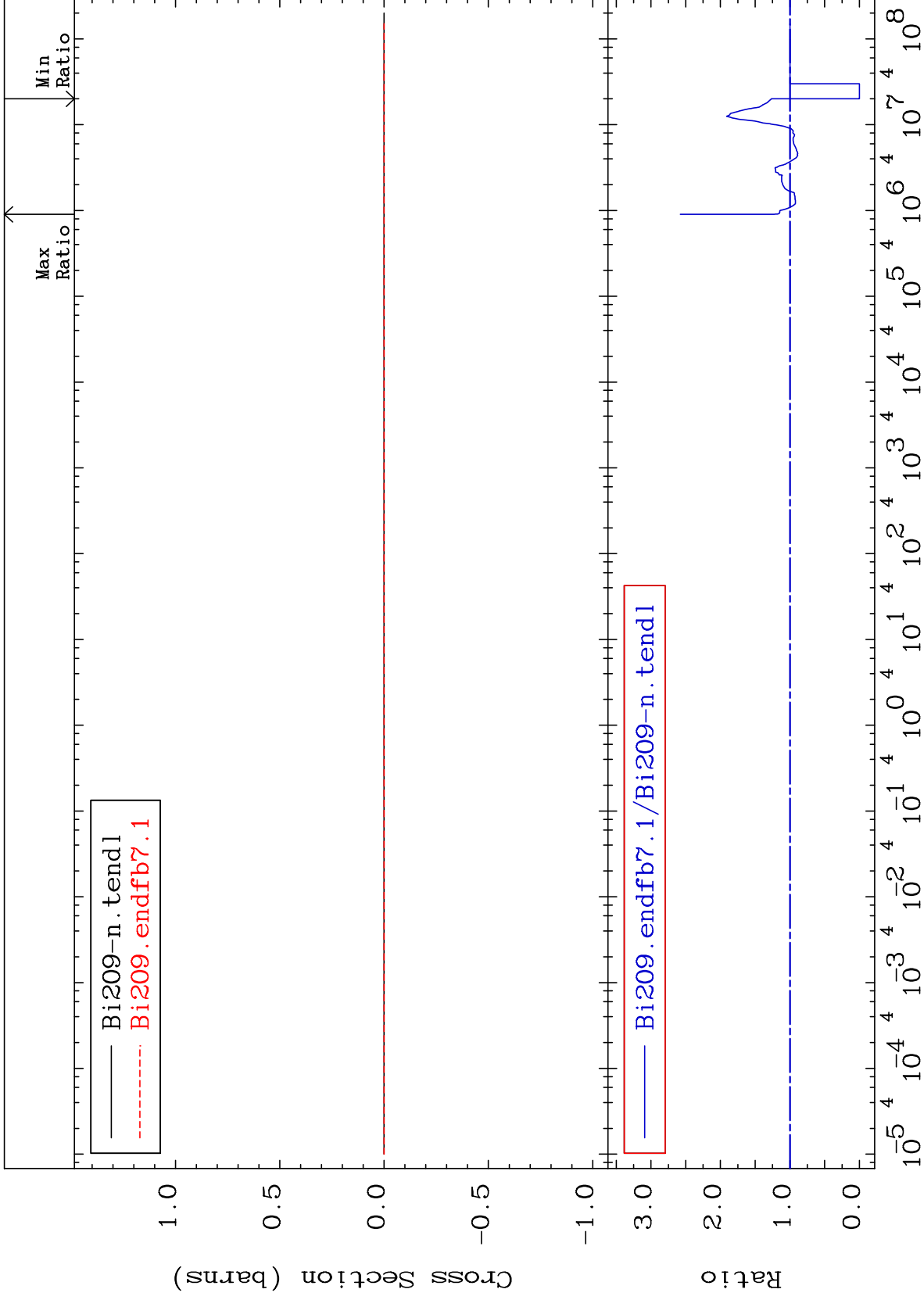
83-Bi-209
-100.0 To 157.7 %



45

Incident Energy (eV)

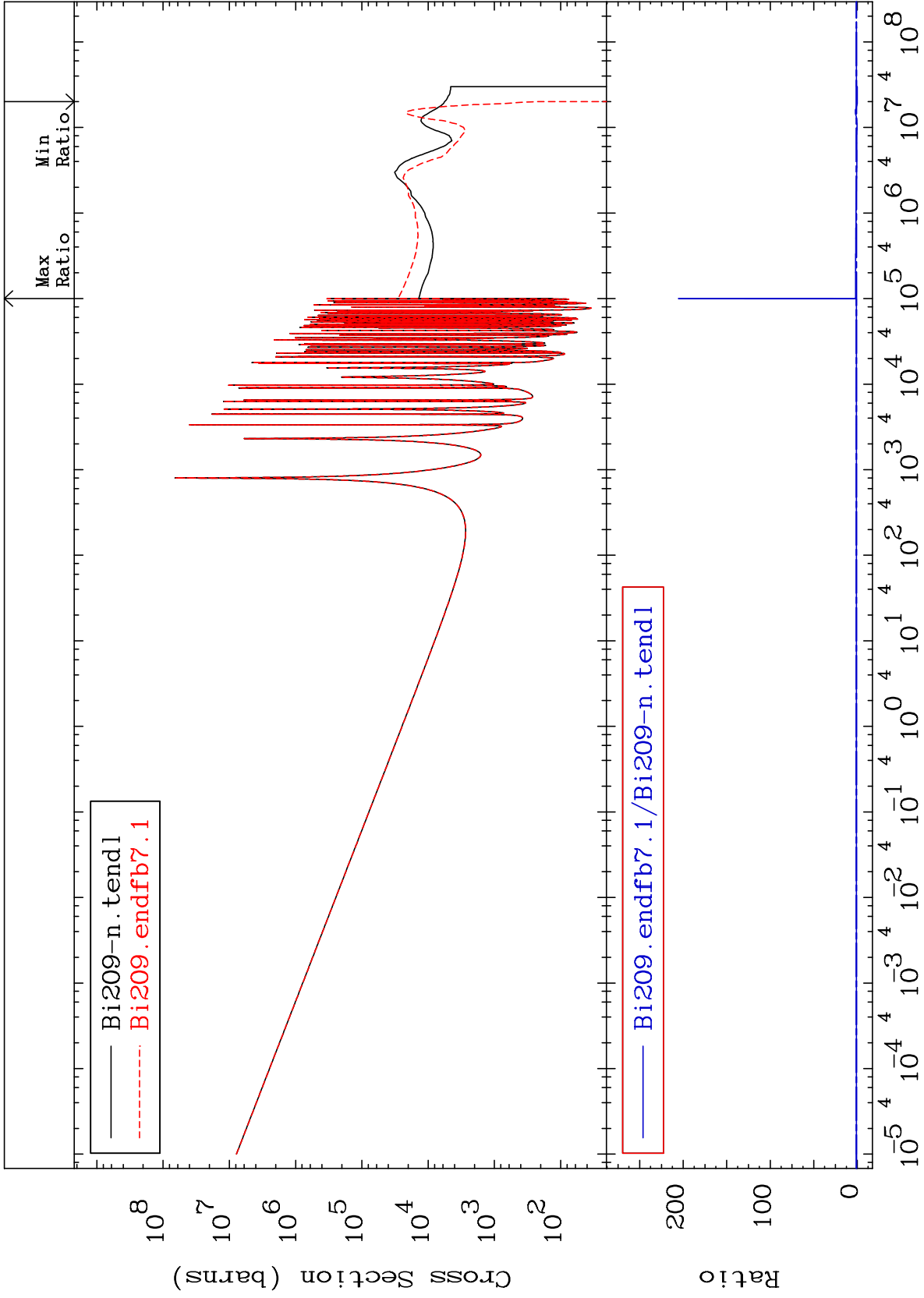
83-Bi-209



MAT 8325

Kerma capture (mt102)
Cross Section

83-Bi-209
-100.0 To 9999. %



47

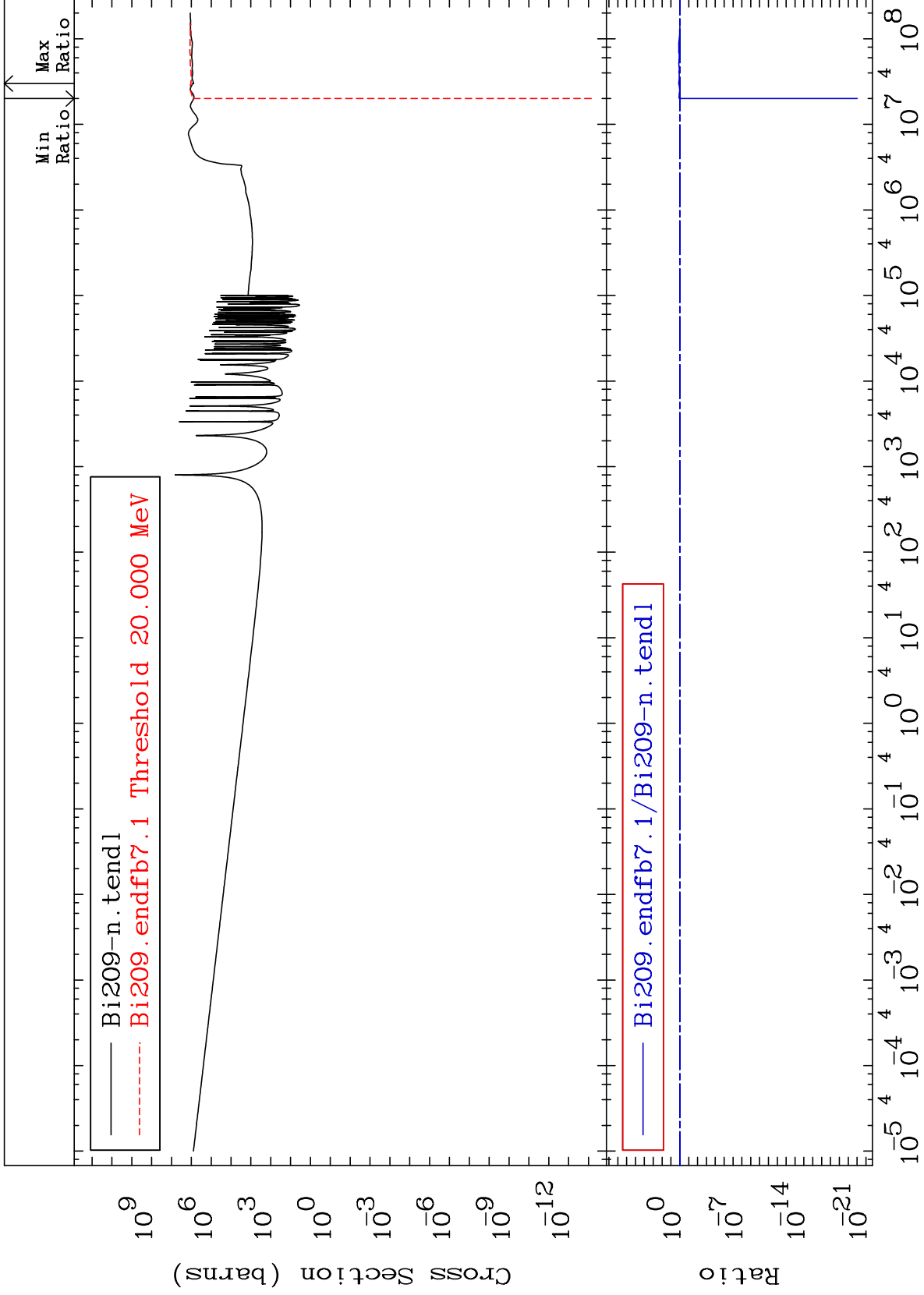
Incident Energy (eV)

83-Bi-209

MAT 8325

Total photon (eV-barns)
Cross Section

83-Bi-209
-100.0 To 36.03 %



MAT 8325 Total kinematic kerma (high limit) 83-Bi-209
 Cross Section -100.0 To 60.23 %

