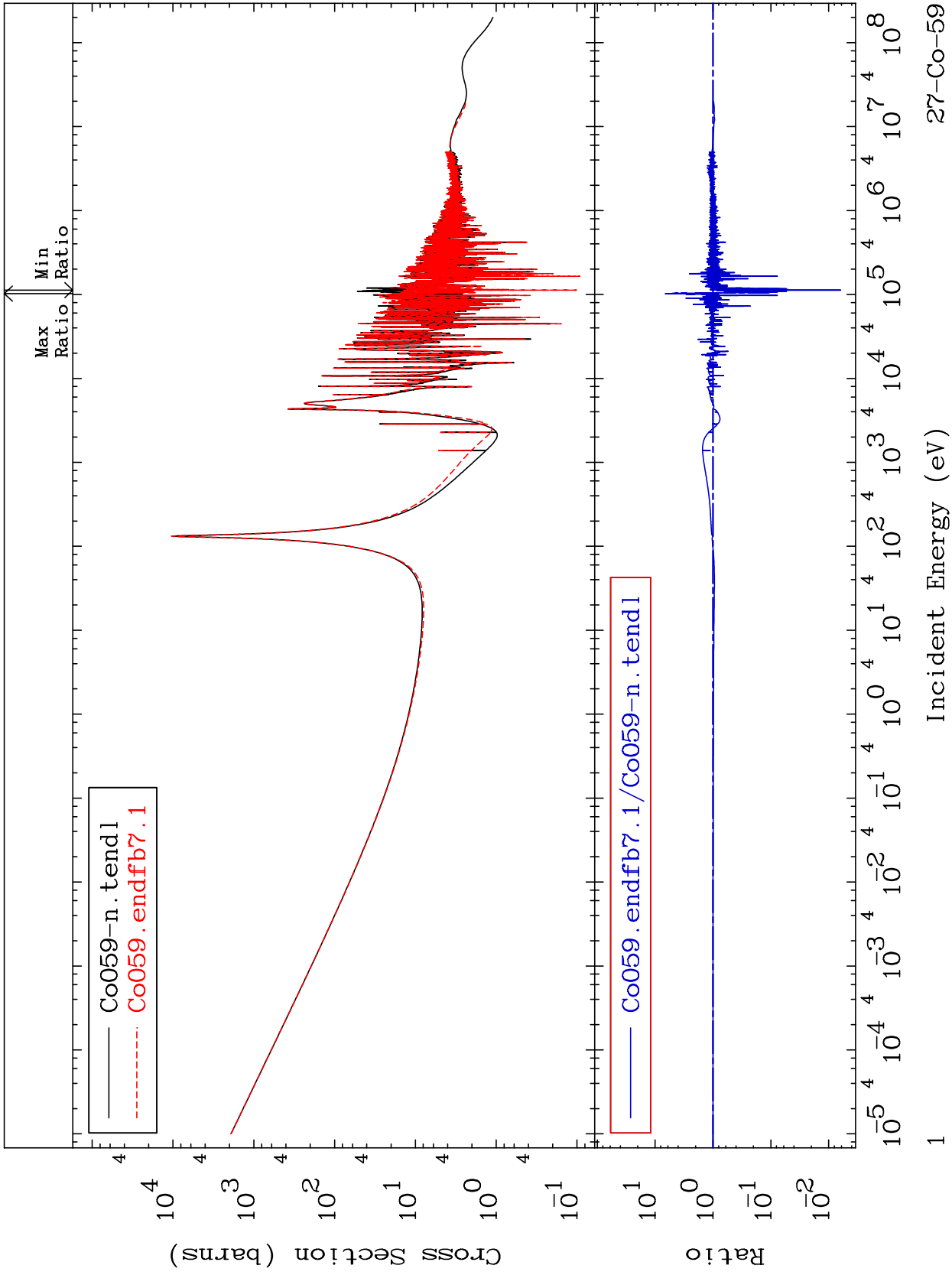


MAT 2725

Total
Cross Section

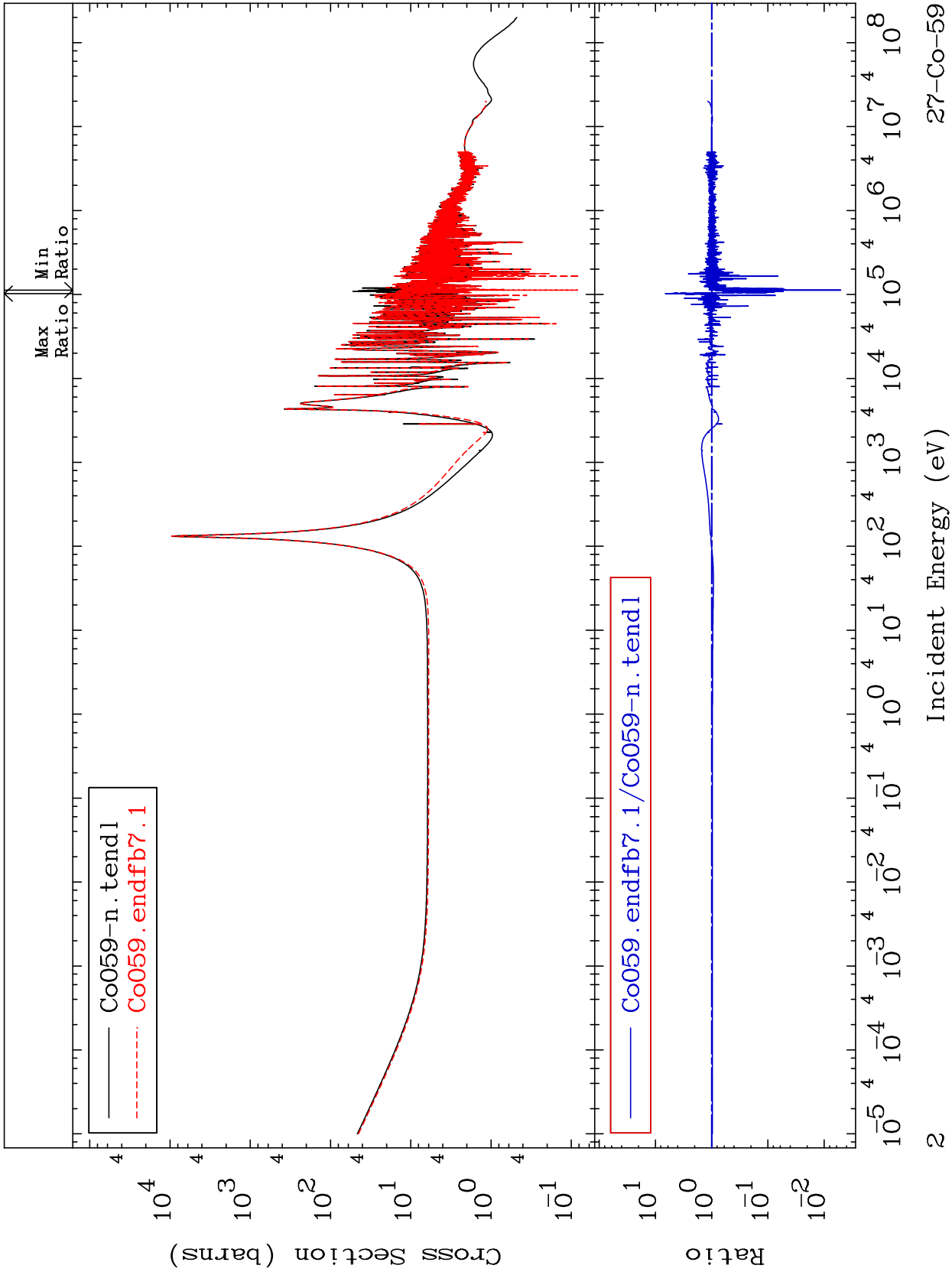
27-Co-59
-99.38 To 562.0 %



MAT 2725

Elastic
Cross Section

27-Co-59
-99.49 To 561.7 %

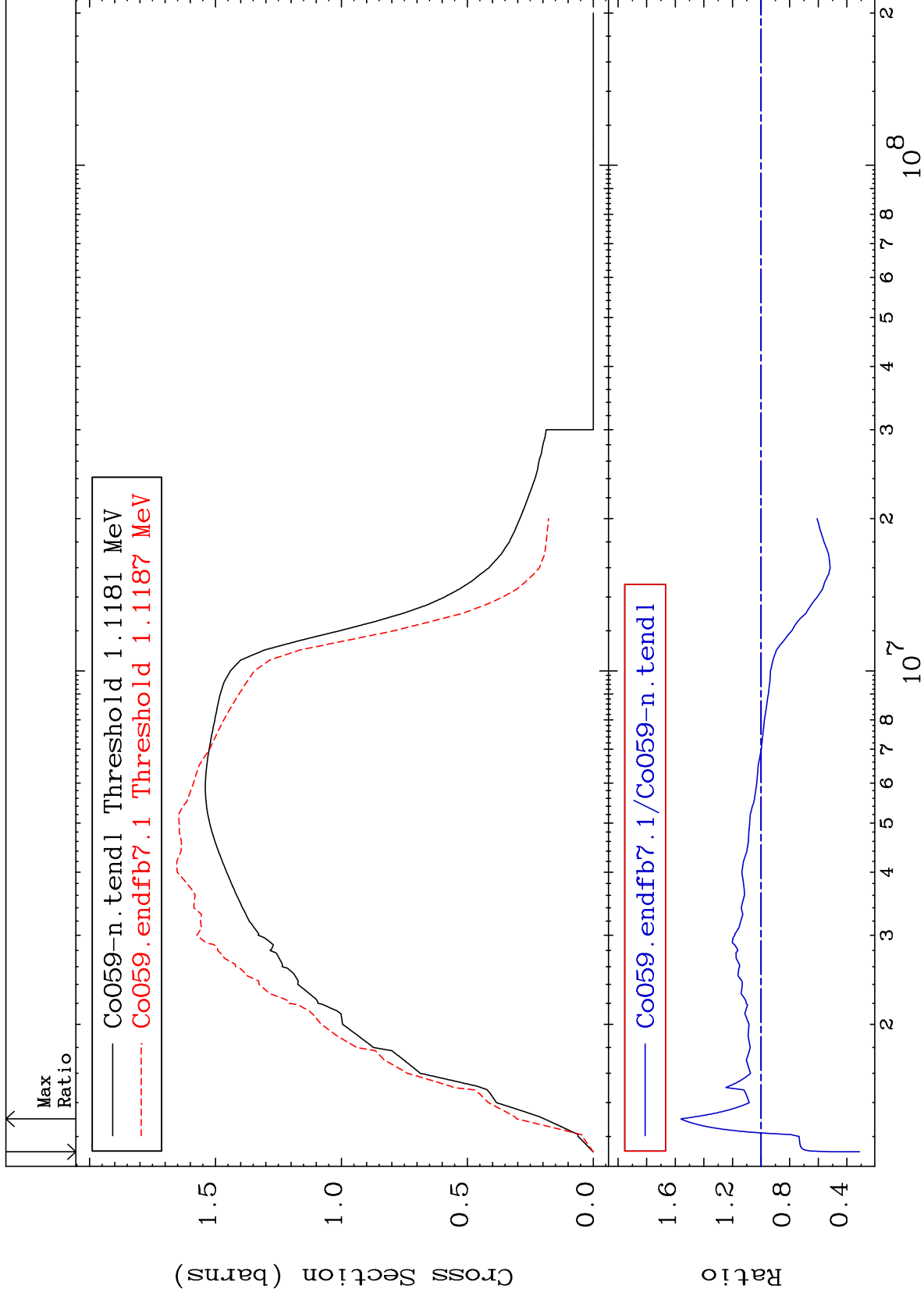


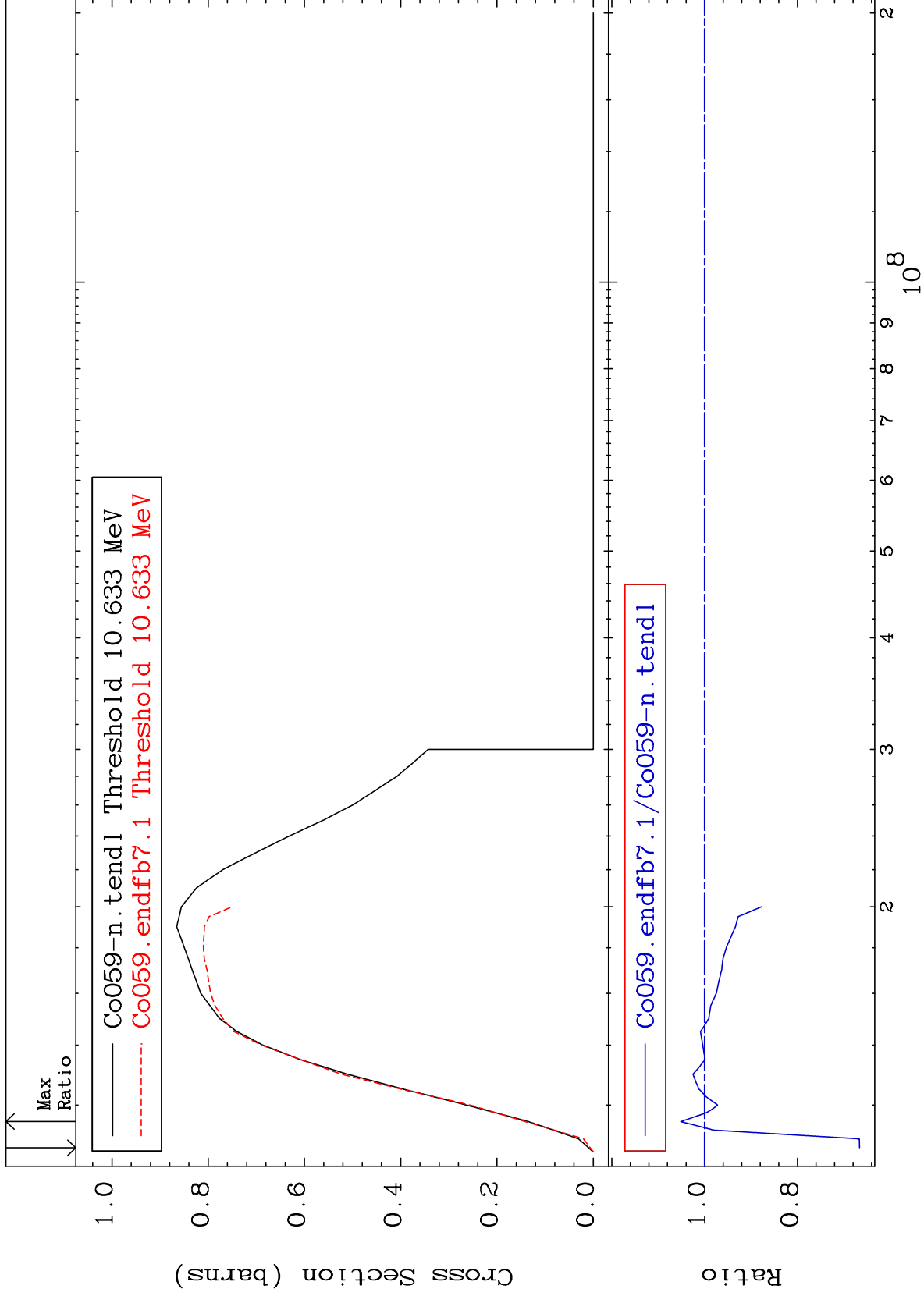
27-Co-59

MAT 2725

Inelastic
Cross Section

27-Co-59
-68.83 To 56.15 %

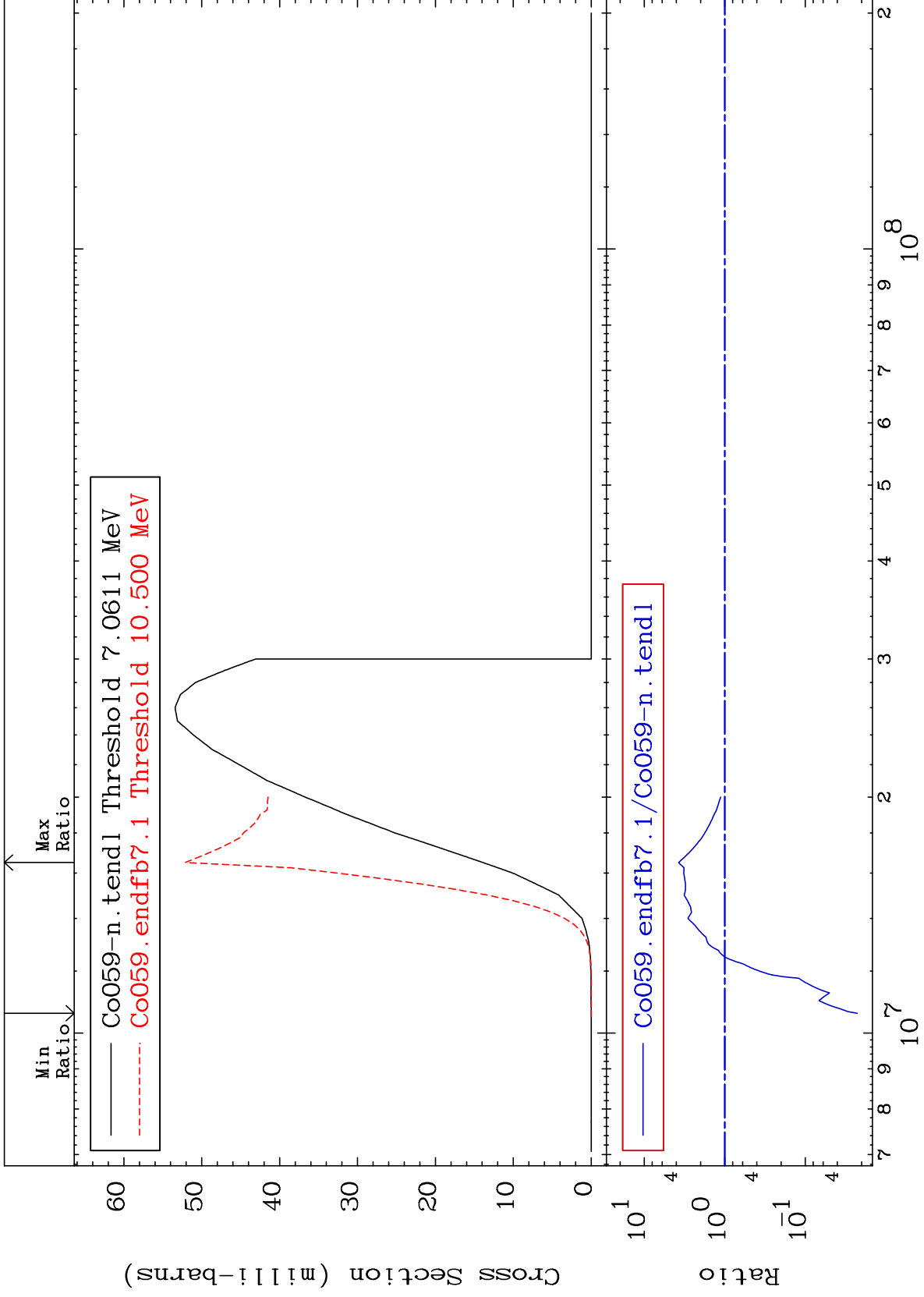




MAT 2725

(n, n') α
Cross Section

27-Co-59
-97.74 To 274.7 %



5

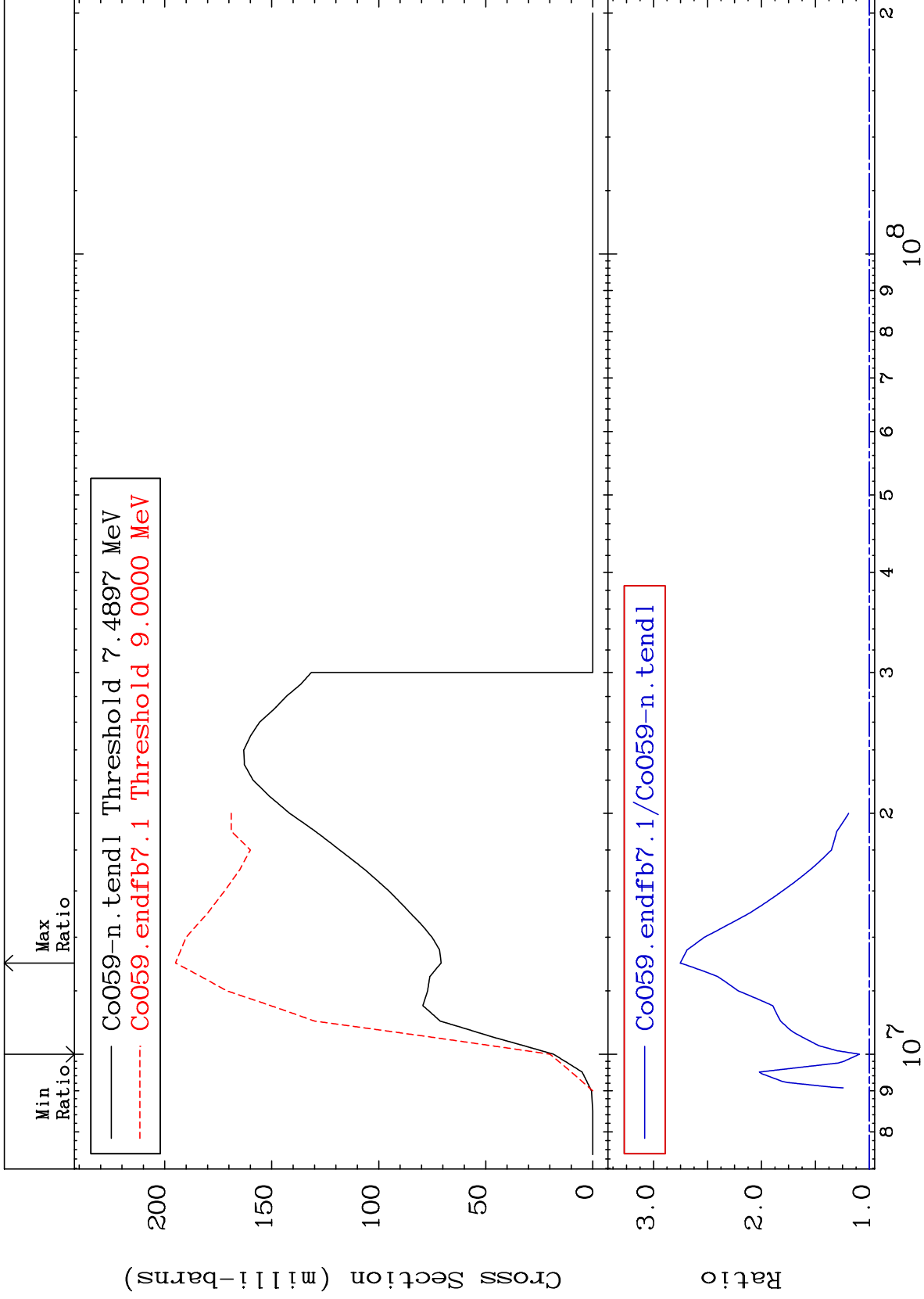
27-Co-59

27-Co-59

MAT 2725

(n,n') p
Cross Section

27-Co-59
9.328 To 175.2 %



6

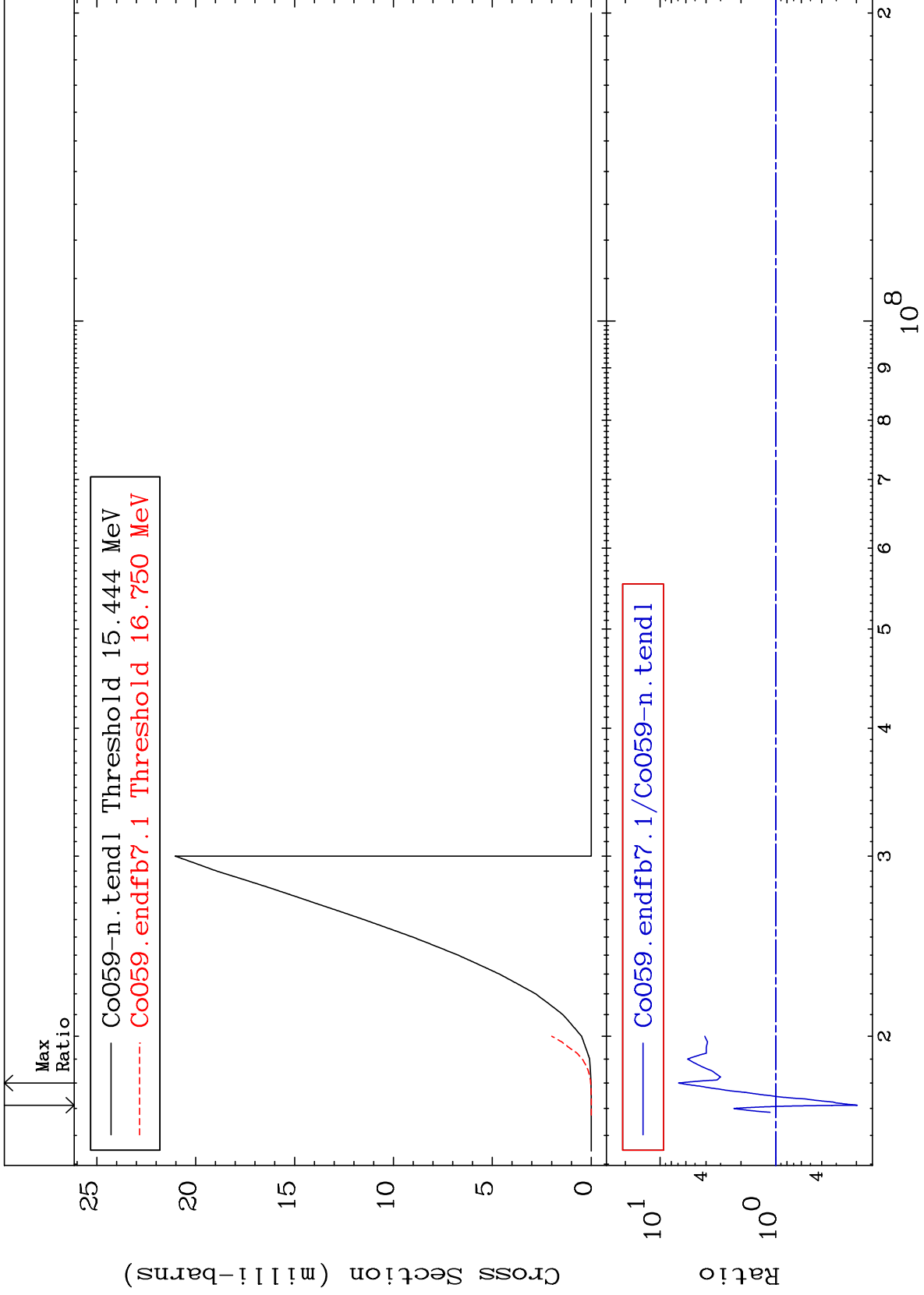
27-Co-59

27-Co-59

MAT 2725

(n,n') d
Cross Section

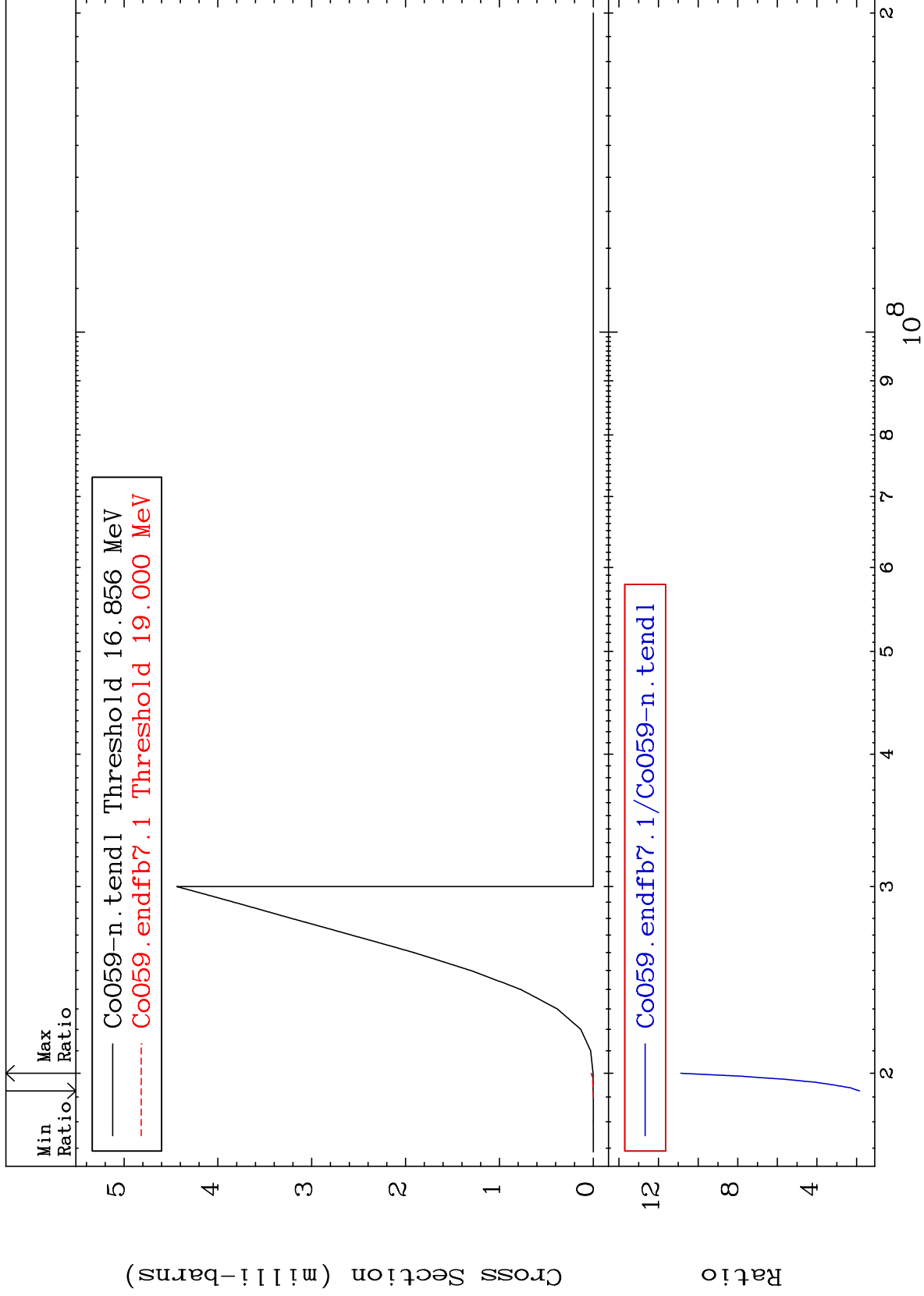
27-Co-59
-80.29 To 591.7 %



MAT 2725

(n,n') t
Cross Section

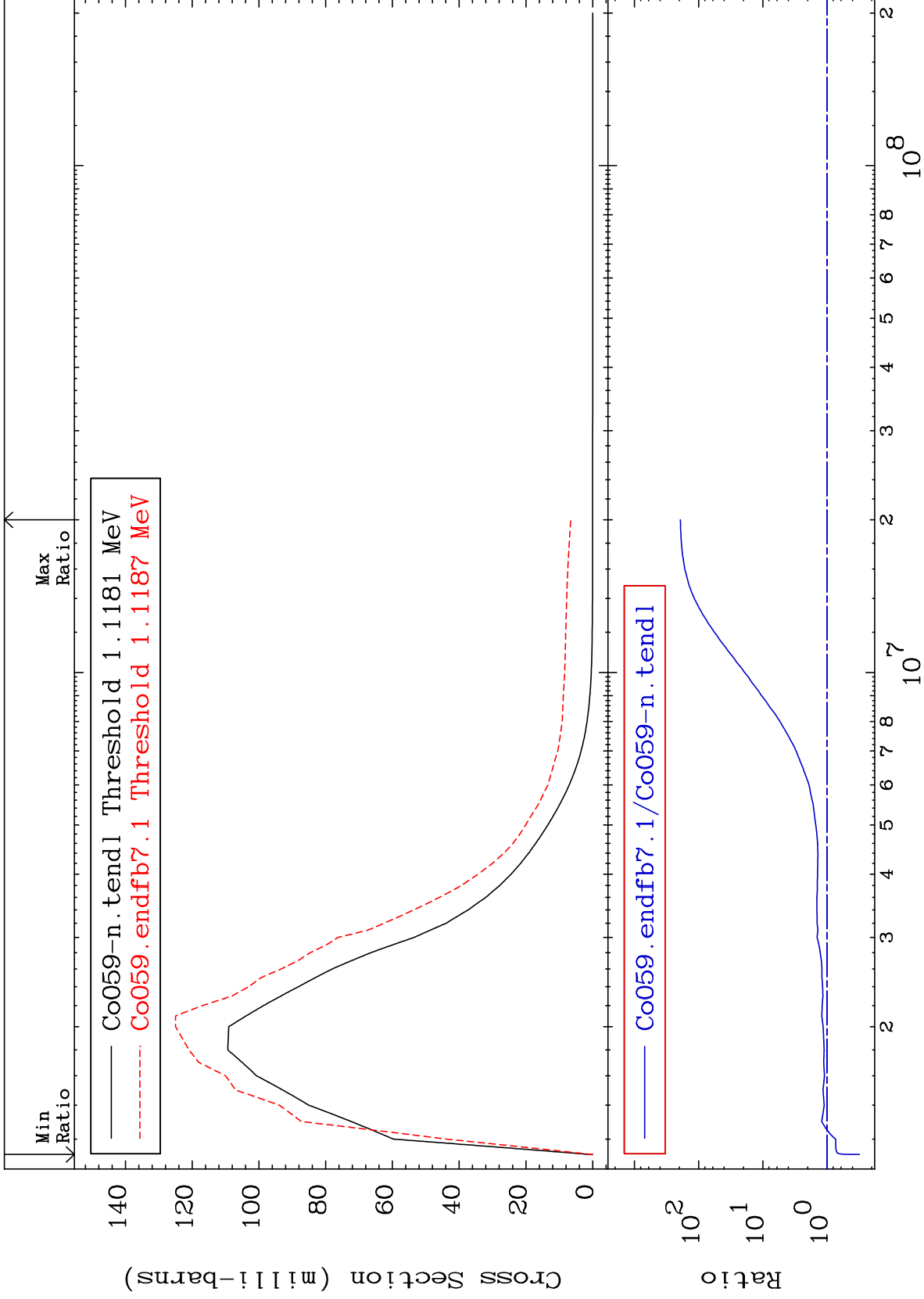
27-Co-59
84.96 To 987.6 %



MAT 2725

1.099 MeV (n,n') Level
Cross Section

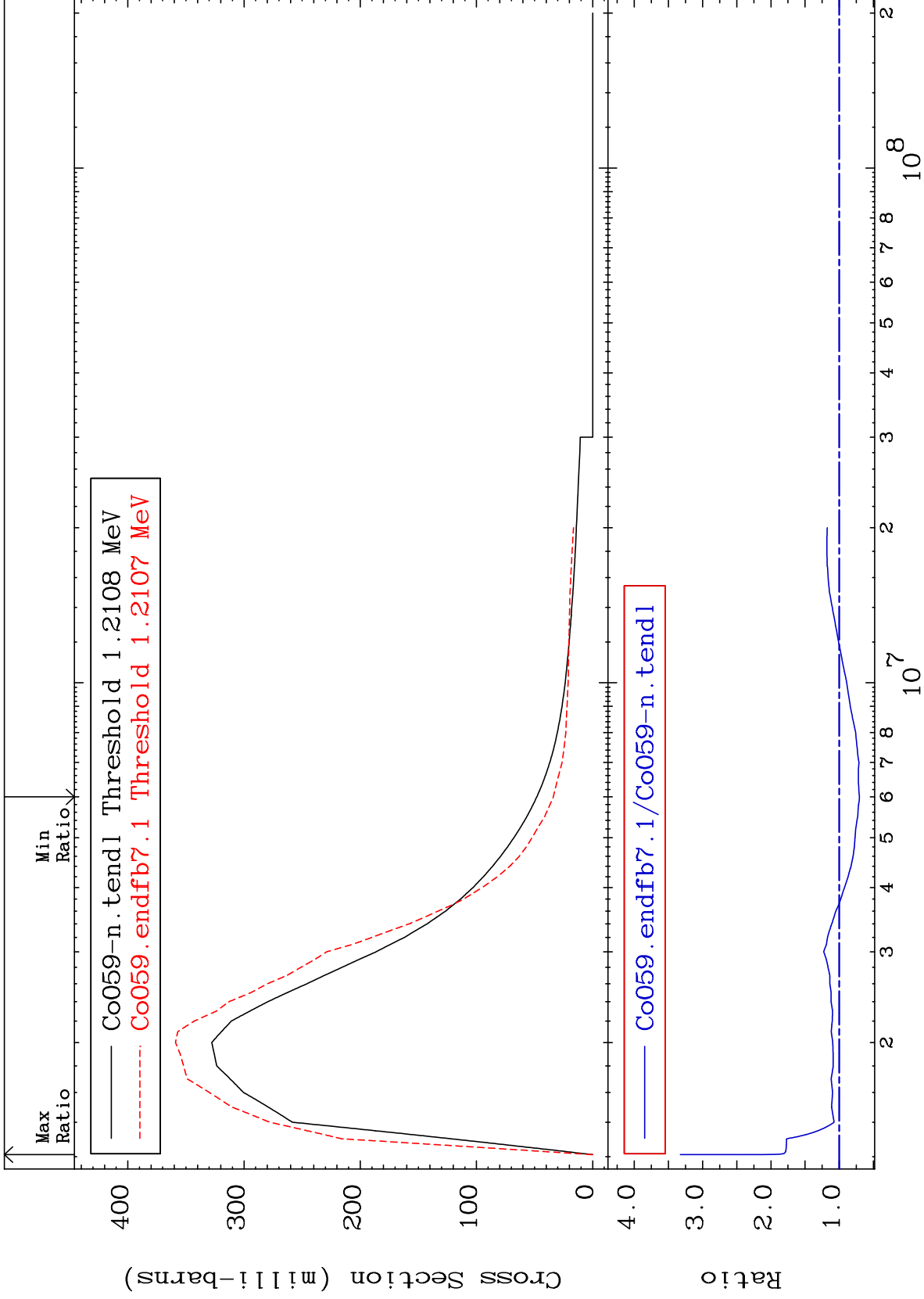
27-Co-59
-68.83 To 9999. %



MAT 2725

1.190 MeV (n,n') Level
Cross Section

27-Co-59
-29.52 To 232.5 %

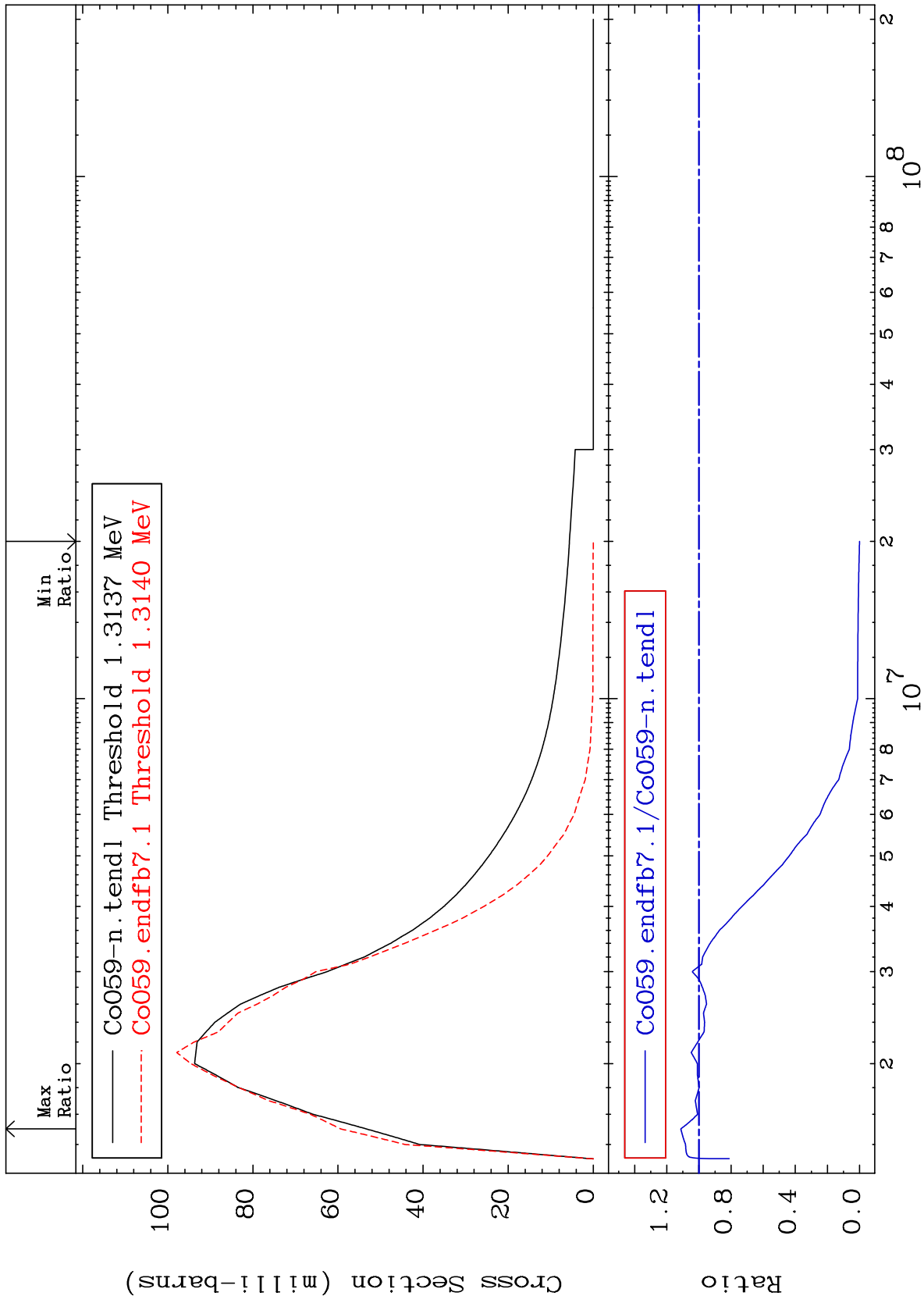


10

Incident Energy (eV)

27-Co-59

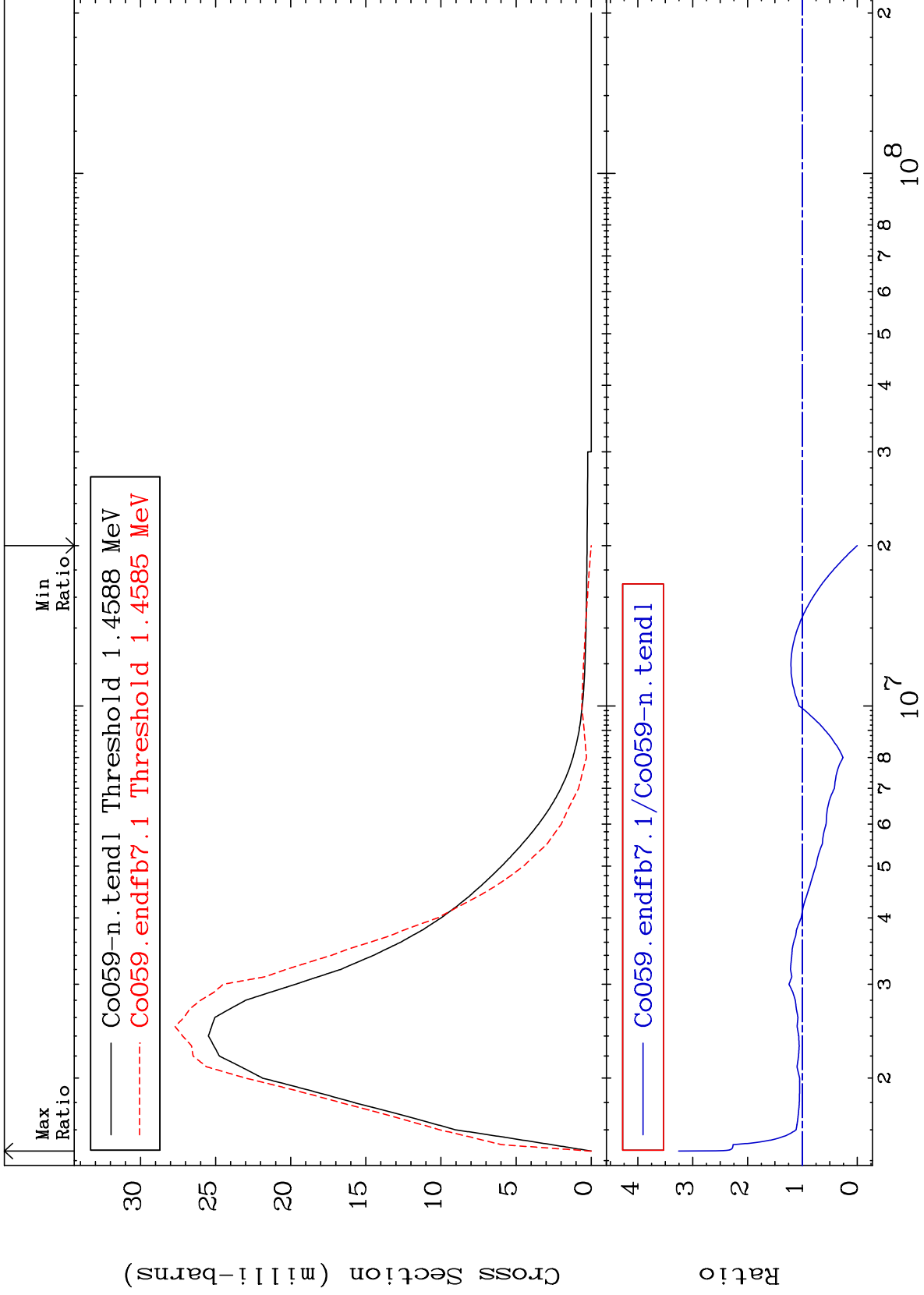
MAT 2725 1.292 MeV (n,n') Level 27-Co-59
 Cross Section -100.0 To 11.31 %



MAT 2725

1.434 MeV (n,n') Level
Cross Section

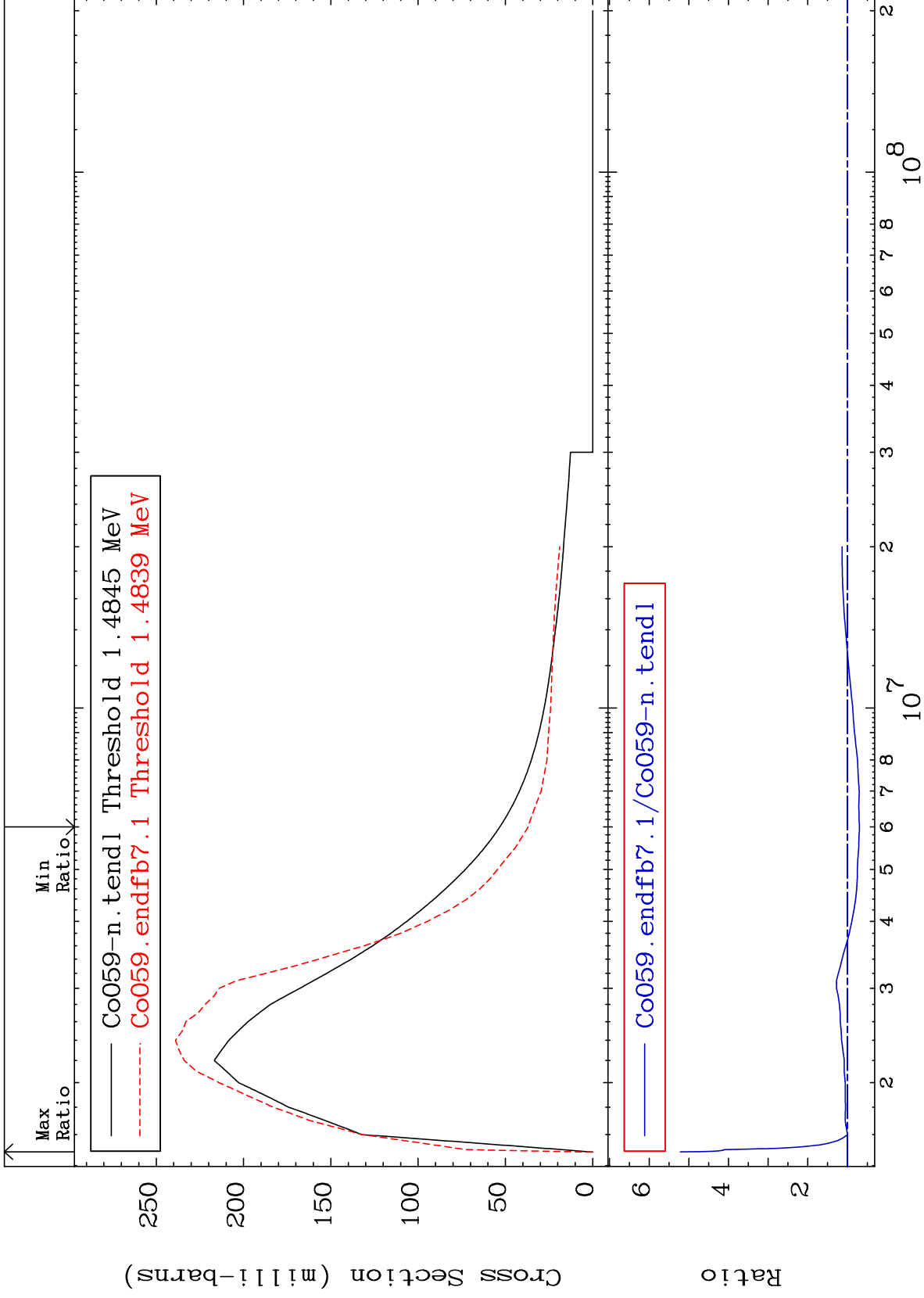
27-Co-59
-100.0 To 225.7 %



MAT 2725

1.460 MeV (n,n') Level
Cross Section

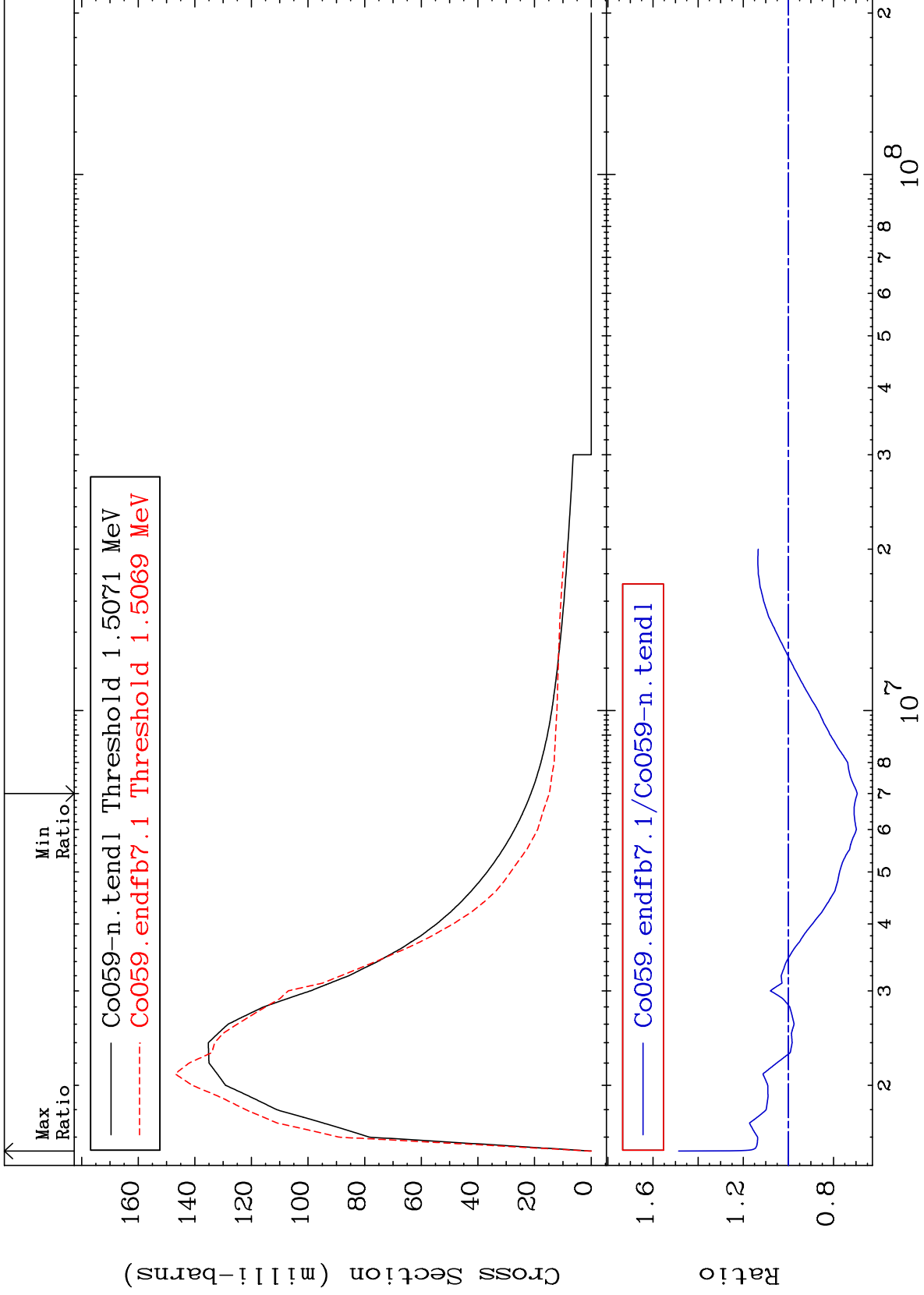
27-Co-59
-30.28 To 421.3 %



MAT 2725

1.482 MeV (n,n') Level
Cross Section

27-Co-59
-30.51 To 48.62 %



14

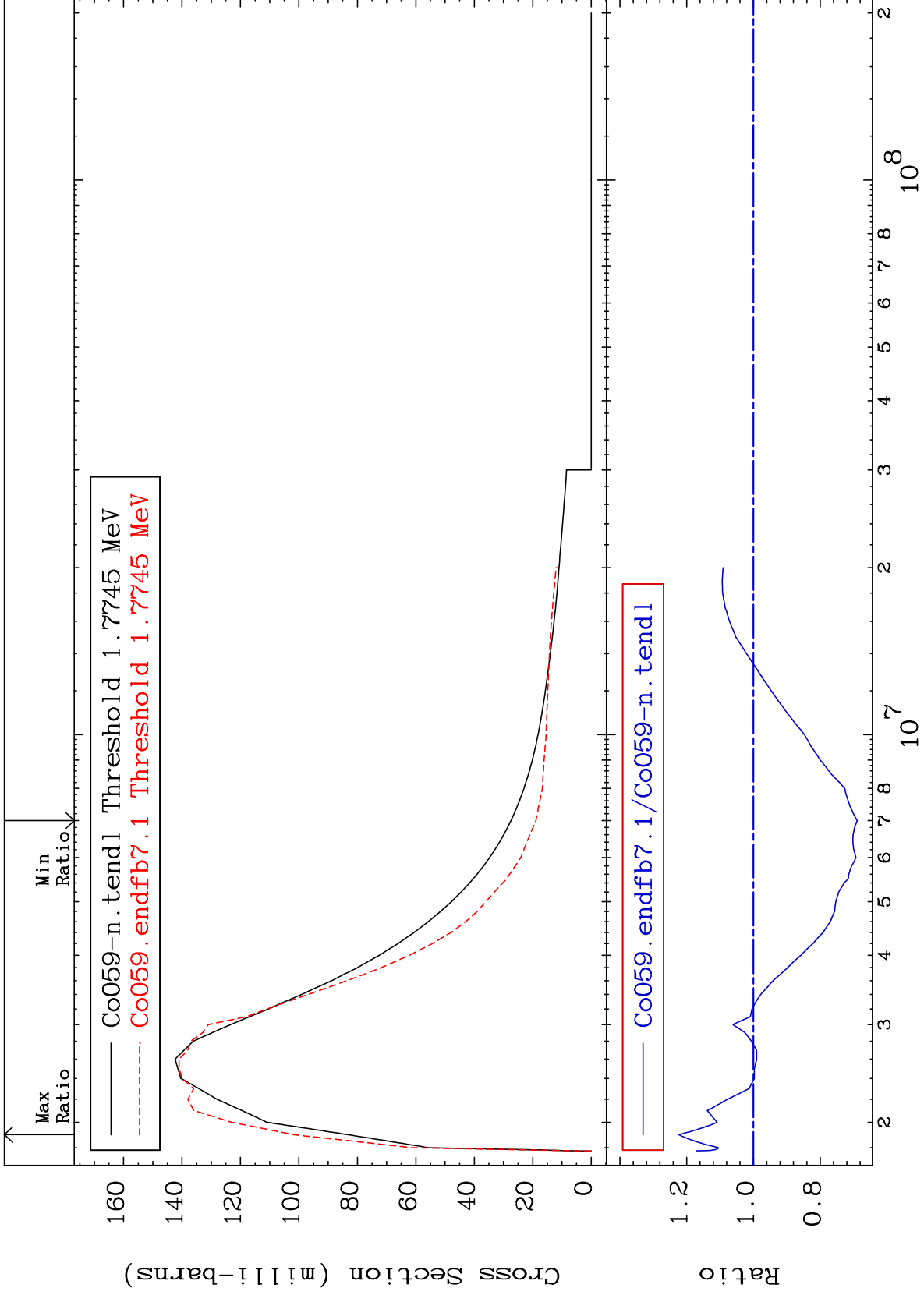
Incident Energy (eV)

27-Co-59

MAT 2725

1.745 MeV (n,n') Level
Cross Section

27-Co-59
-31.10 To 22.39 %



15

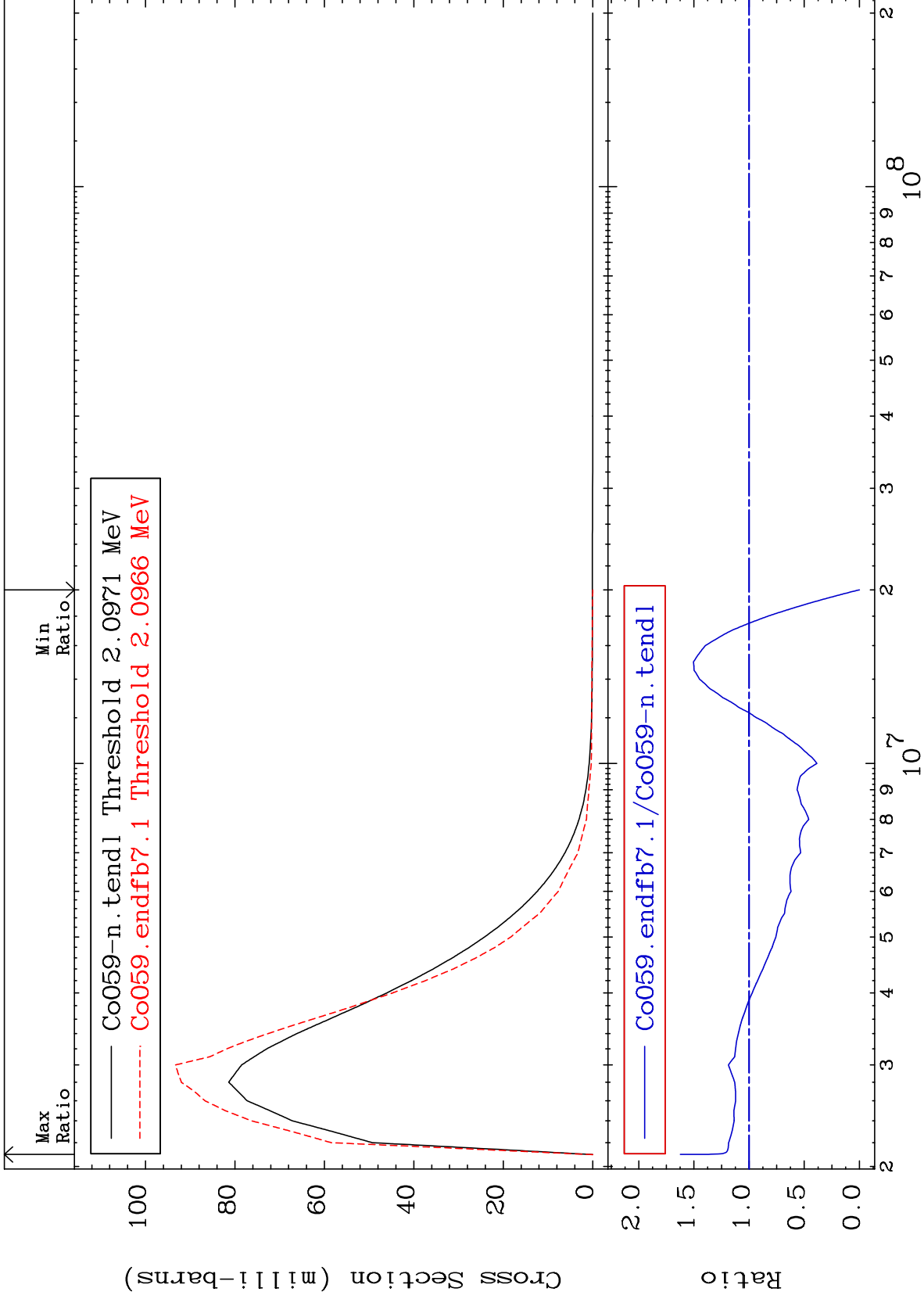
Incident Energy (eV)

27-Co-59

MAT 2725

2.062 MeV (n,n') Level
Cross Section

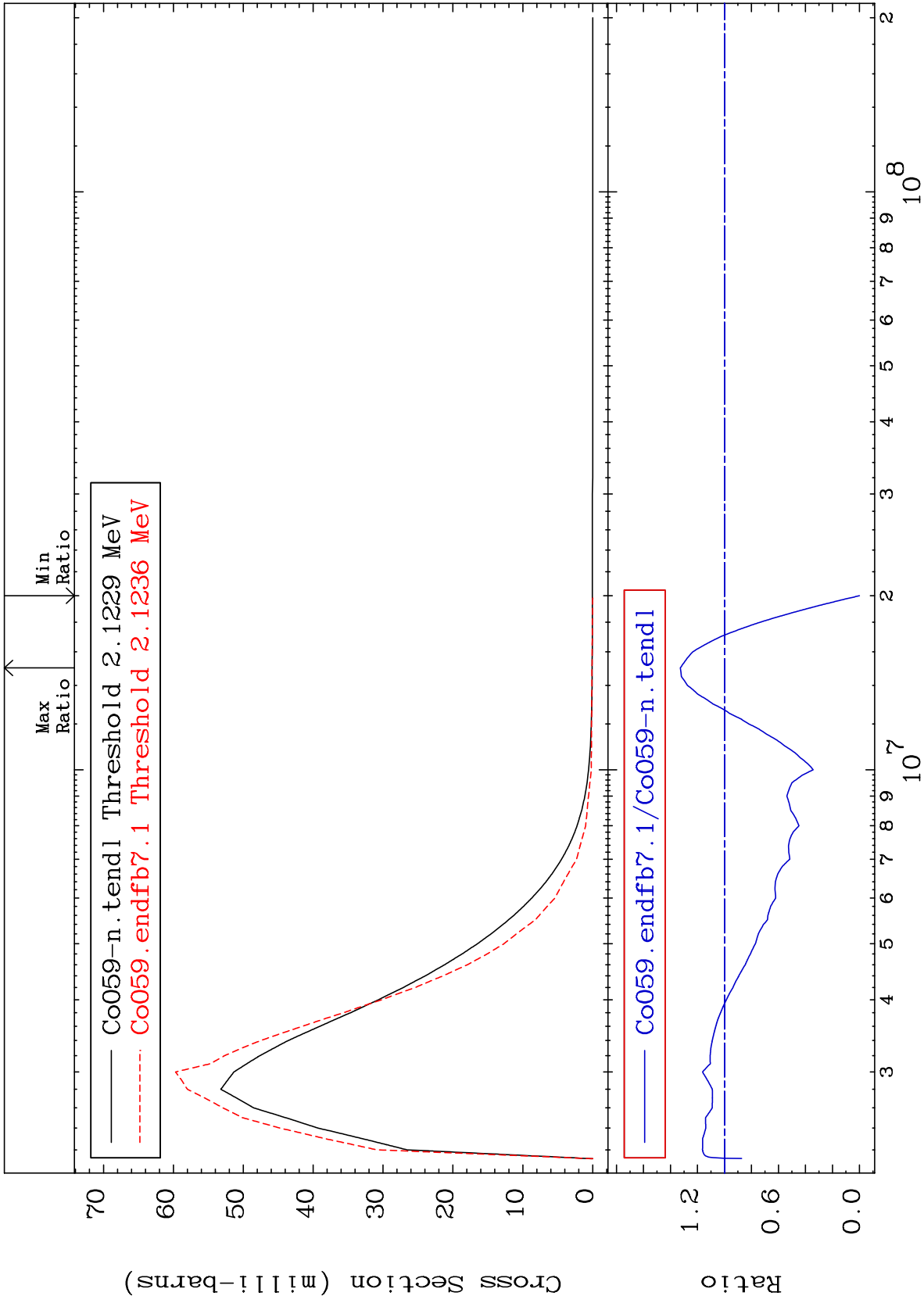
27-Co-59
-100.0 To 62.31 %



MAT 2725

2.087 MeV (n,n') Level
Cross Section

27-Co-59
-100.0 To 32.67 %



17

Incident Energy (eV)

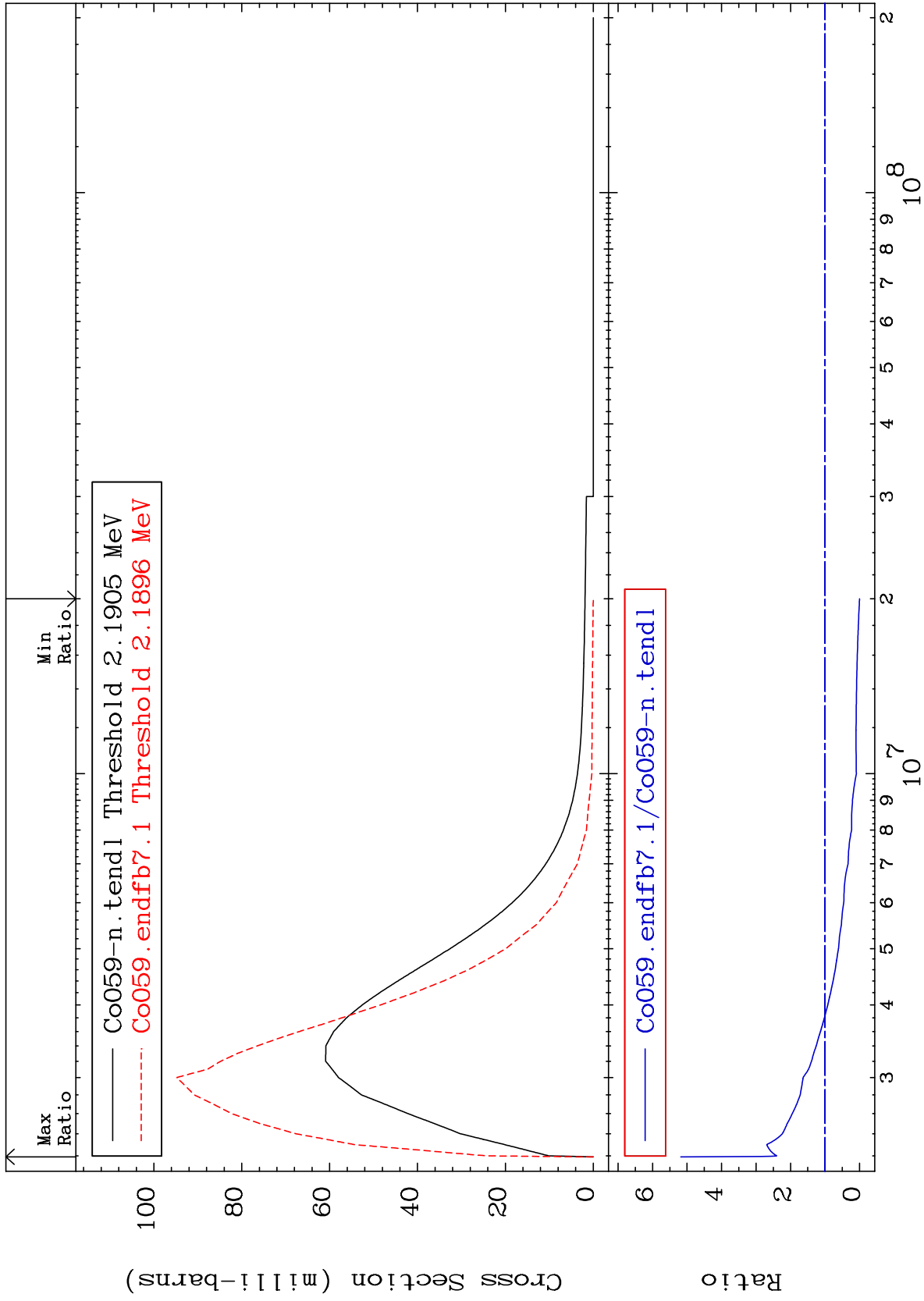
27-Co-59

MAT 2725

2.154 MeV (n,n') Level

²⁷Co-59

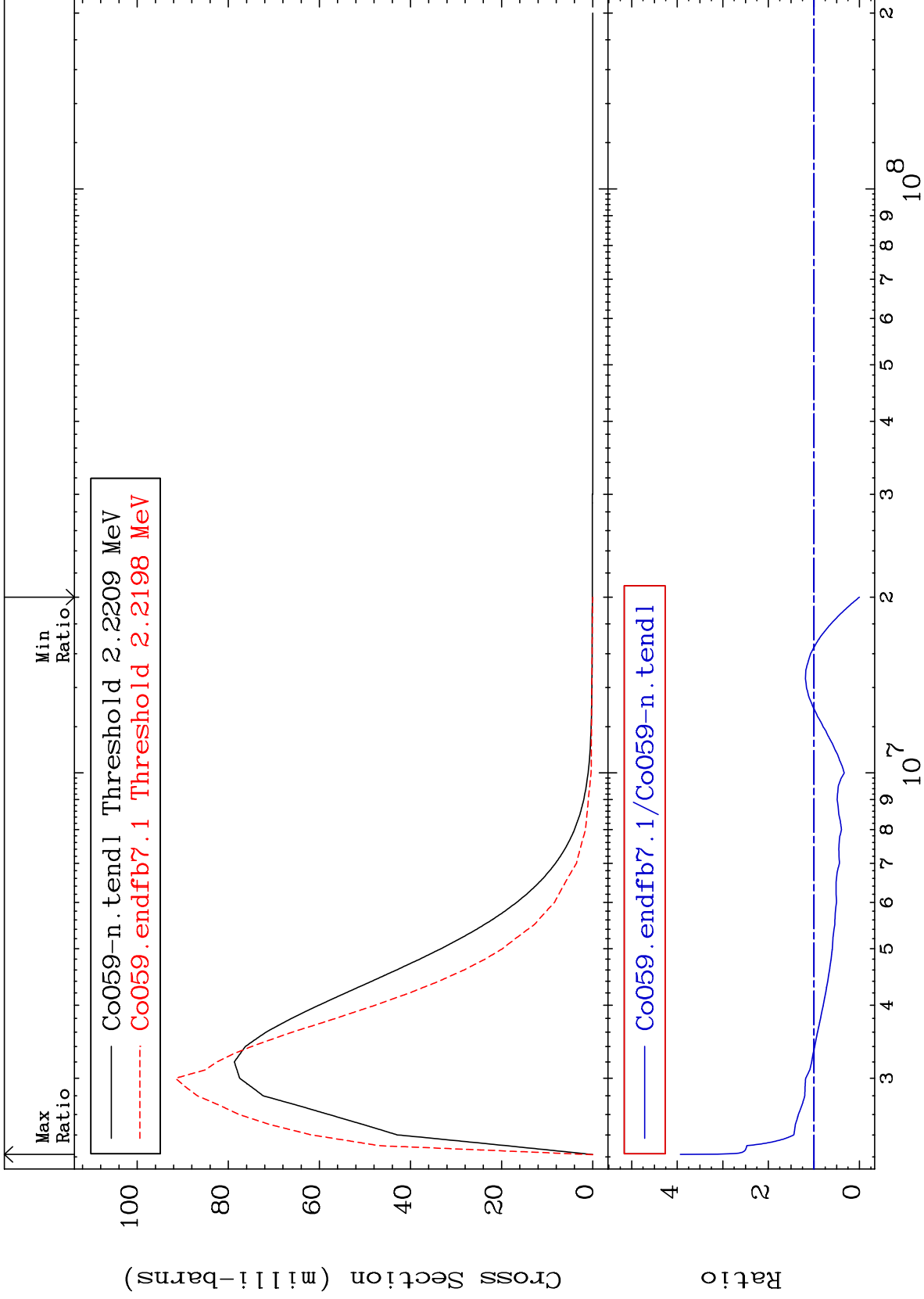
-100.0 To 418.3 %



MAT 2725

2.184 MeV (n,n') Level
Cross Section

27-Co-59
-100.0 To 293.1 %

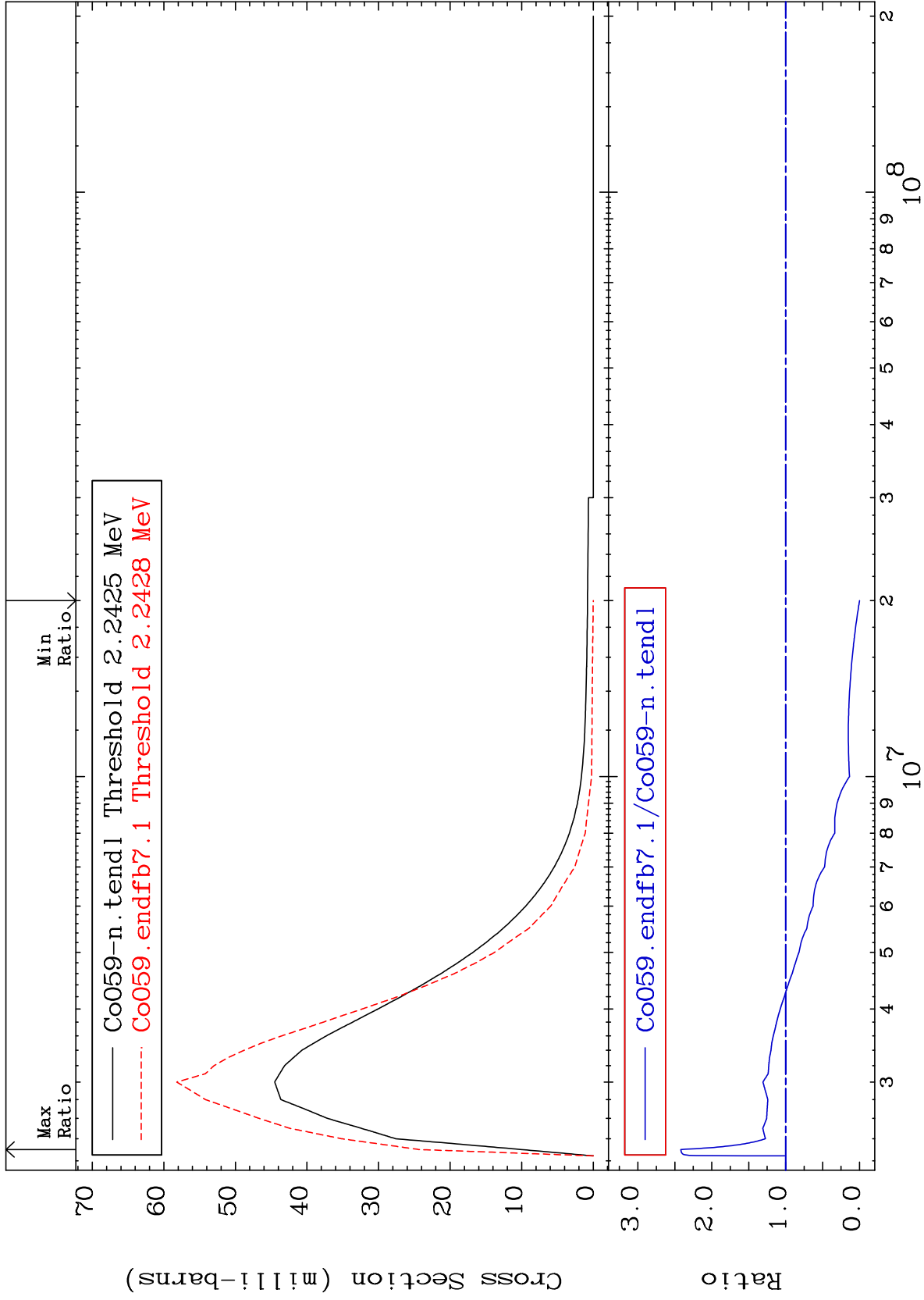


MAT 2725

2.205 MeV (n,n') Level

²⁷Co-59

-100.0 To 141.9 %



20

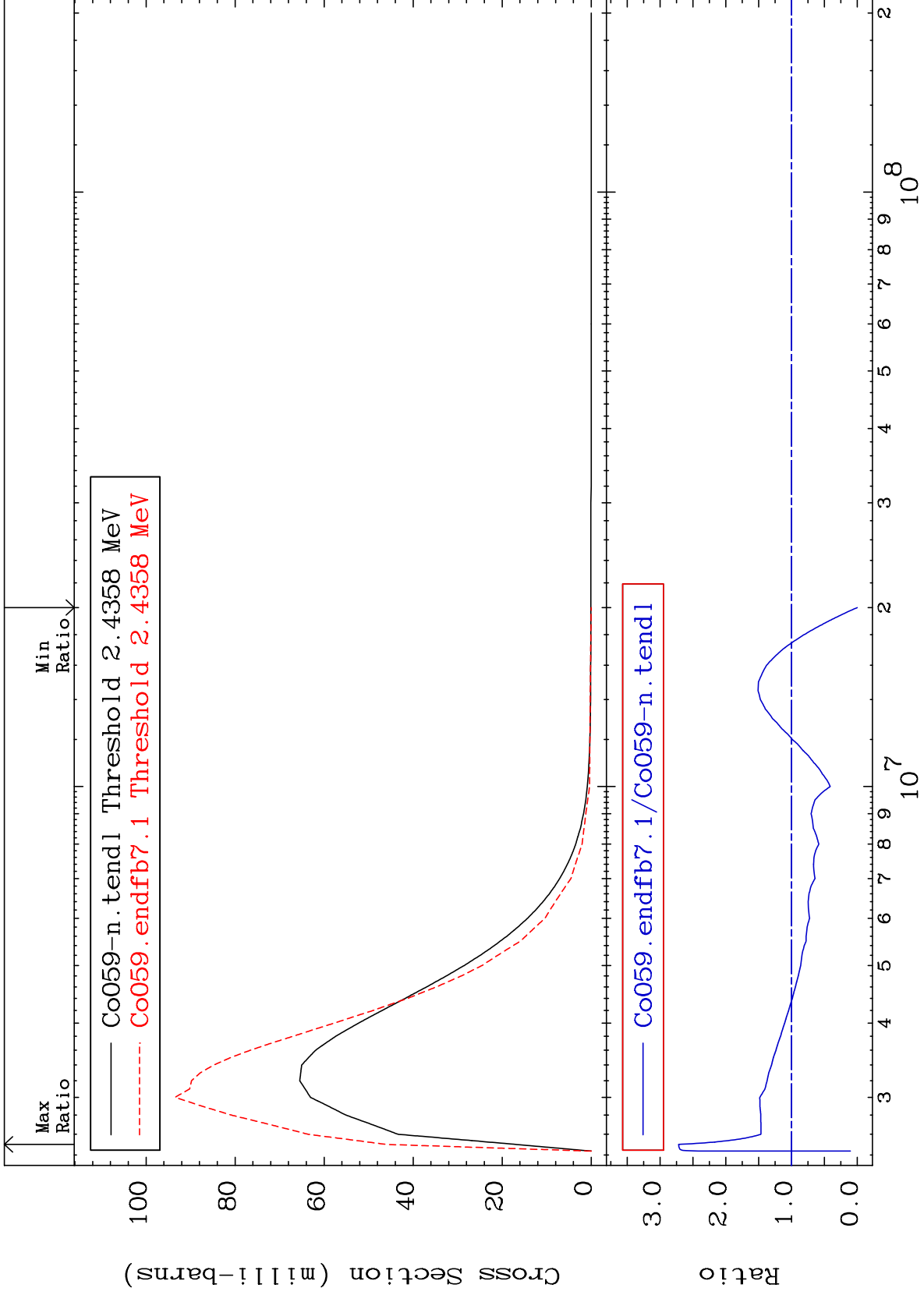
Incident Energy (eV)

²⁷Co-59

MAT 2725

2.395 MeV (n,n') Level
Cross Section

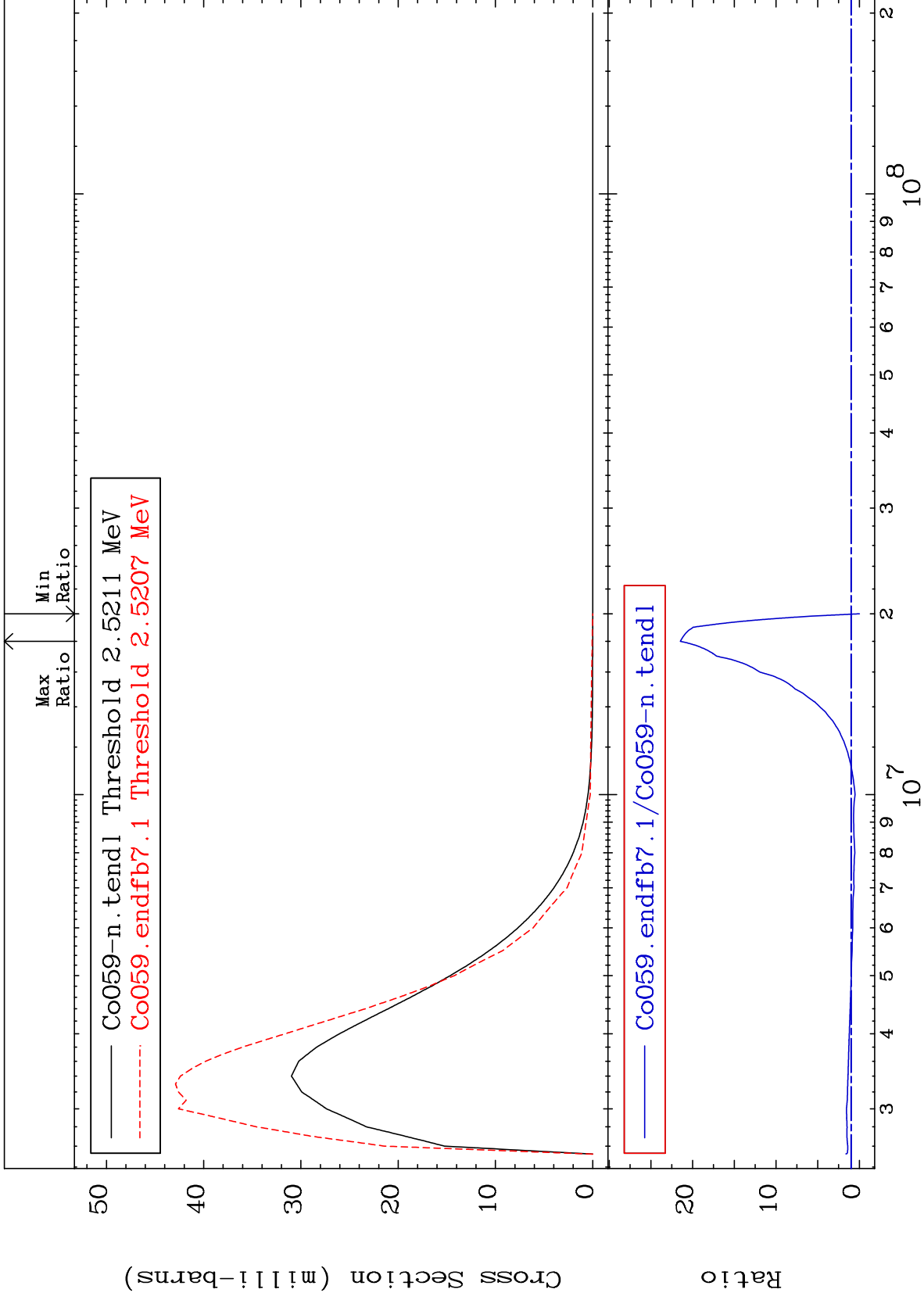
27-Co-59
-100.0 To 171.7 %



MAT 2725

2.479 MeV (n,n') Level
Cross Section

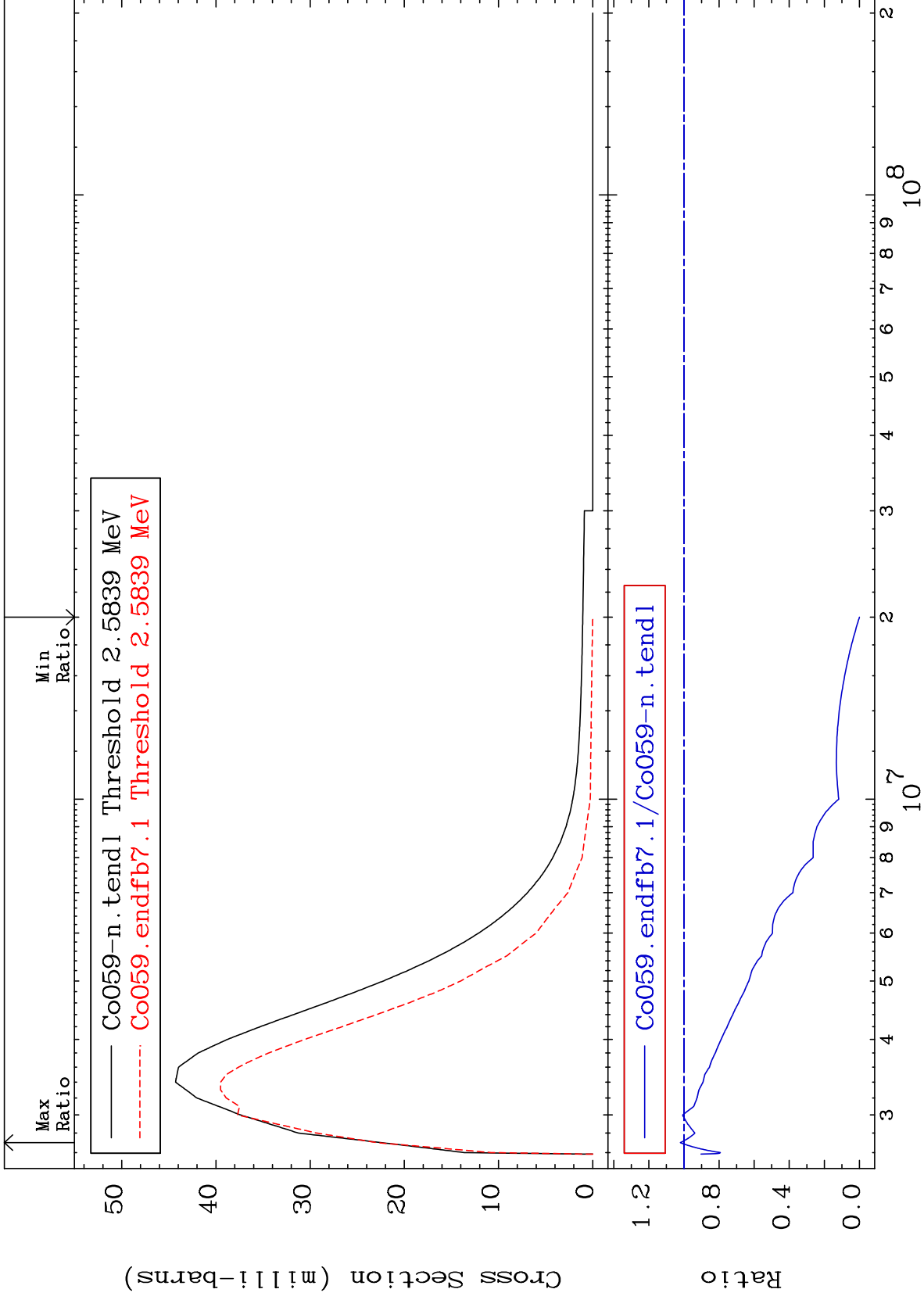
27-Co-59
-100.0 To 2047. %



22

Incident Energy (eV)

27-Co-59



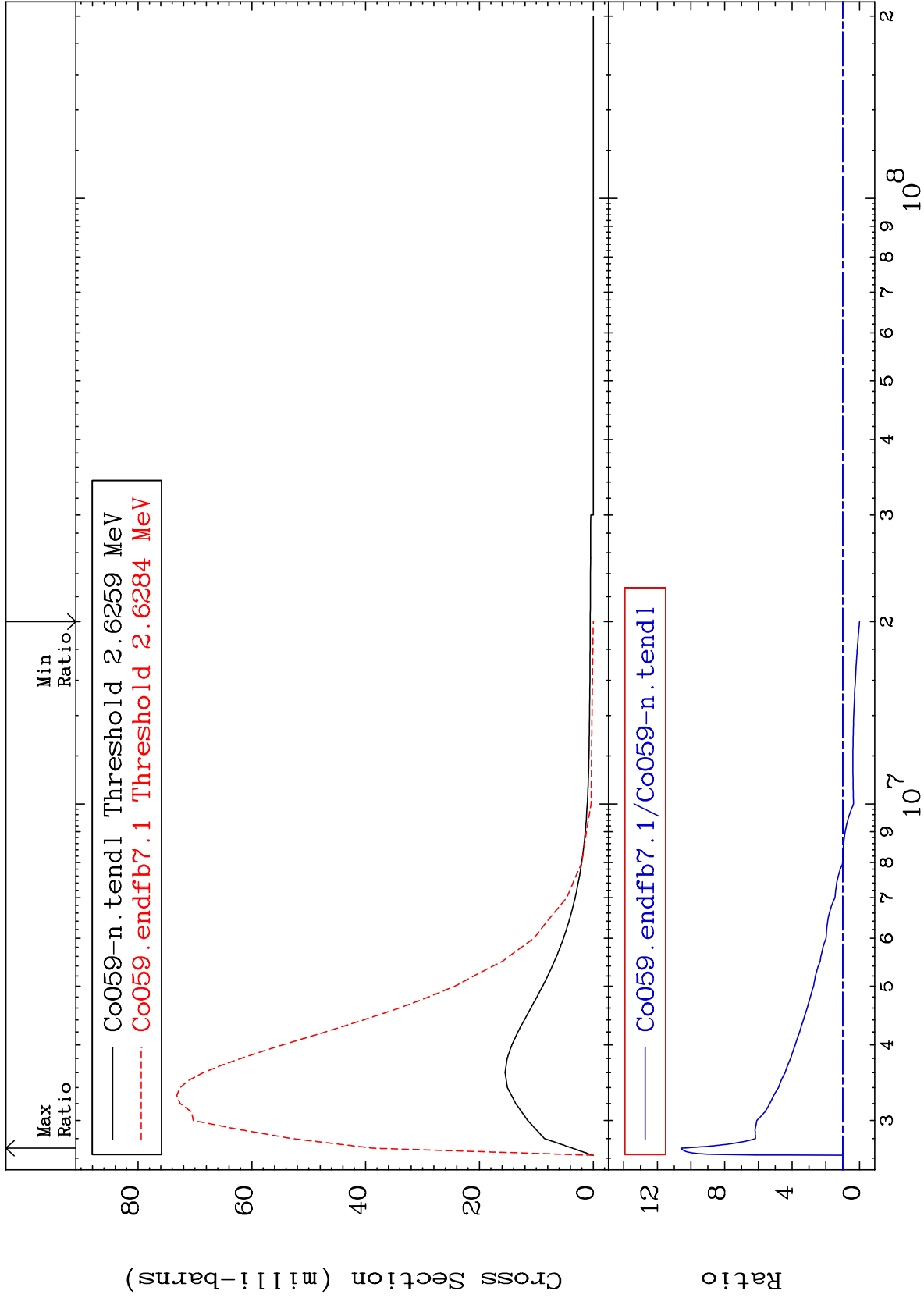
MAT 2725

2.582 MeV (n,n') Level

27-Co-59

-100.0 To 960.9 %

Cross Section

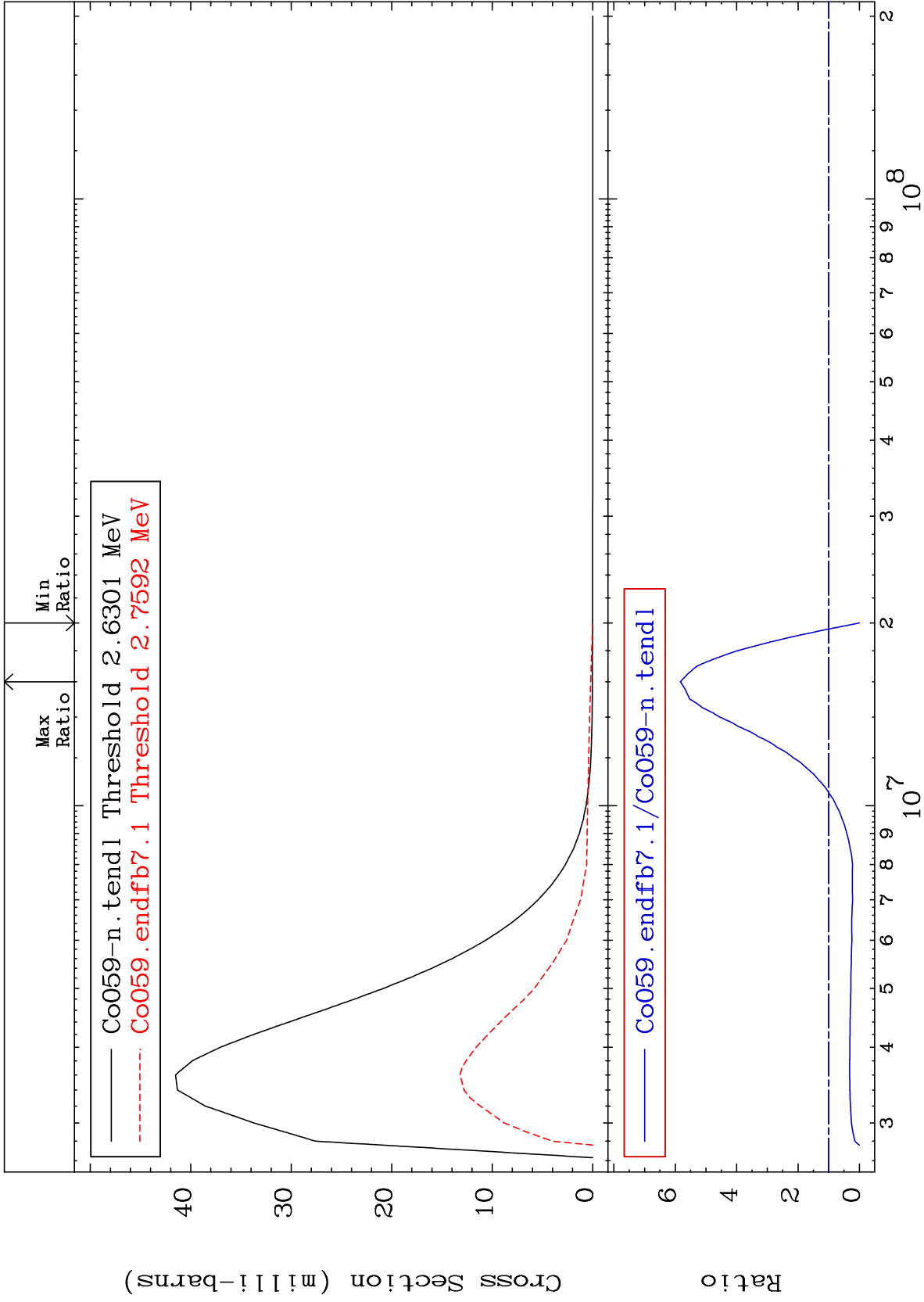


MAT 2725

2.586 MeV (n,n') Level

²⁷Co-59

-100.0 To 483.4 %



25

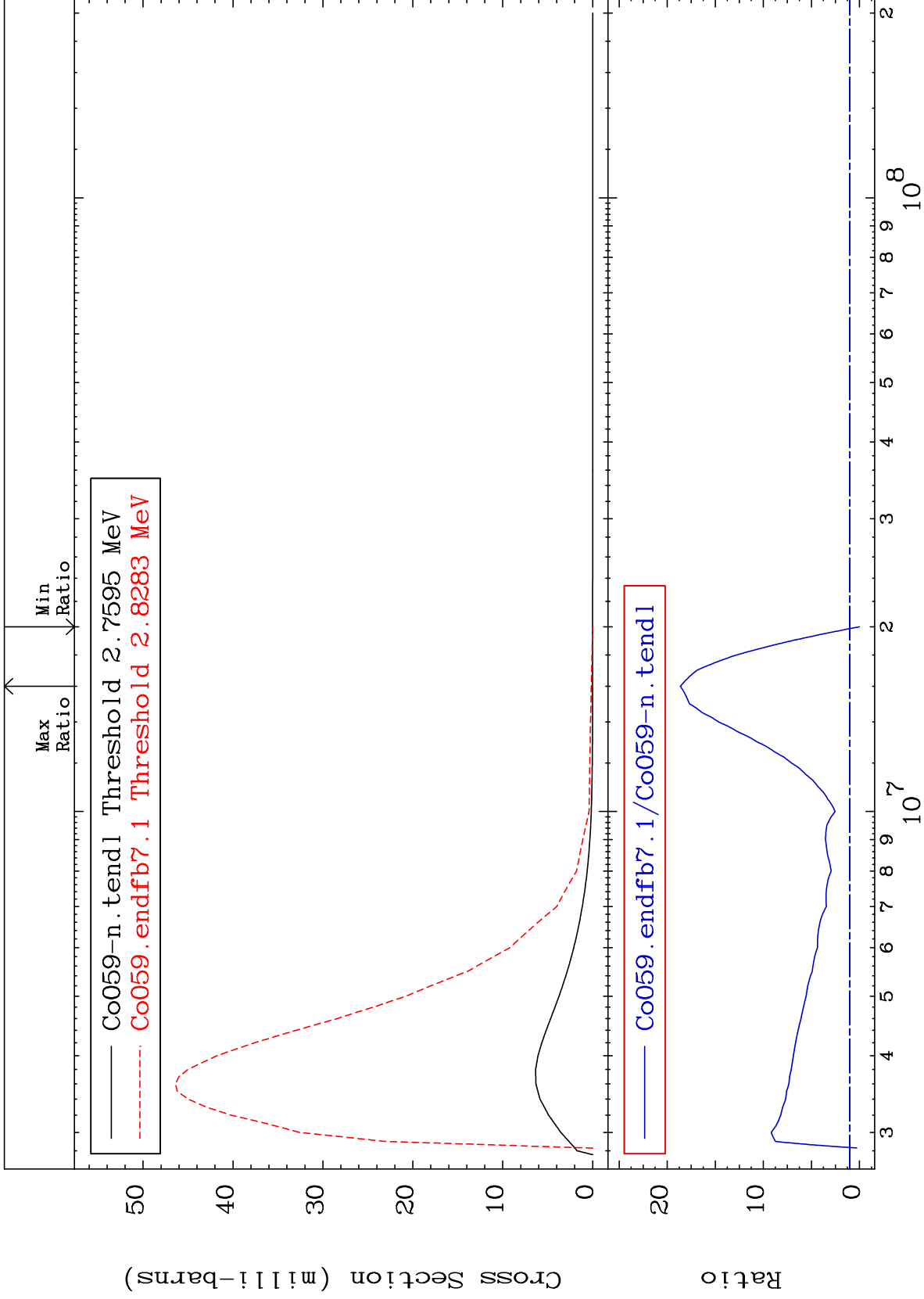
Incident Energy (eV)

²⁷Co-59

MAT 2725

2.713 MeV (n,n') Level
Cross Section

27-Co-59
-100.0 To 1763. %



26

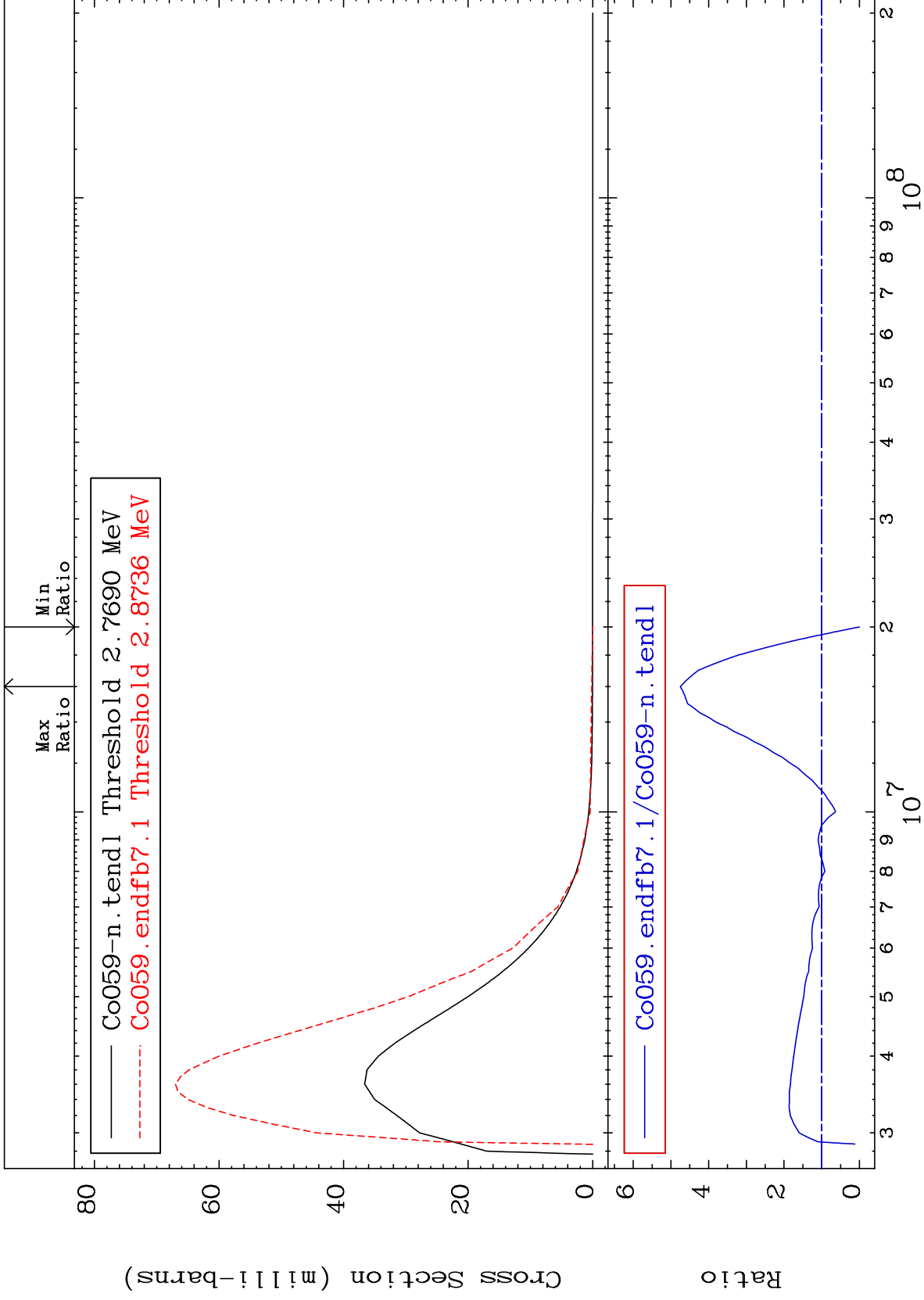
Incident Energy (eV)

27-Co-59

MAT 2725

2.722 MeV (n,n') Level
Cross Section

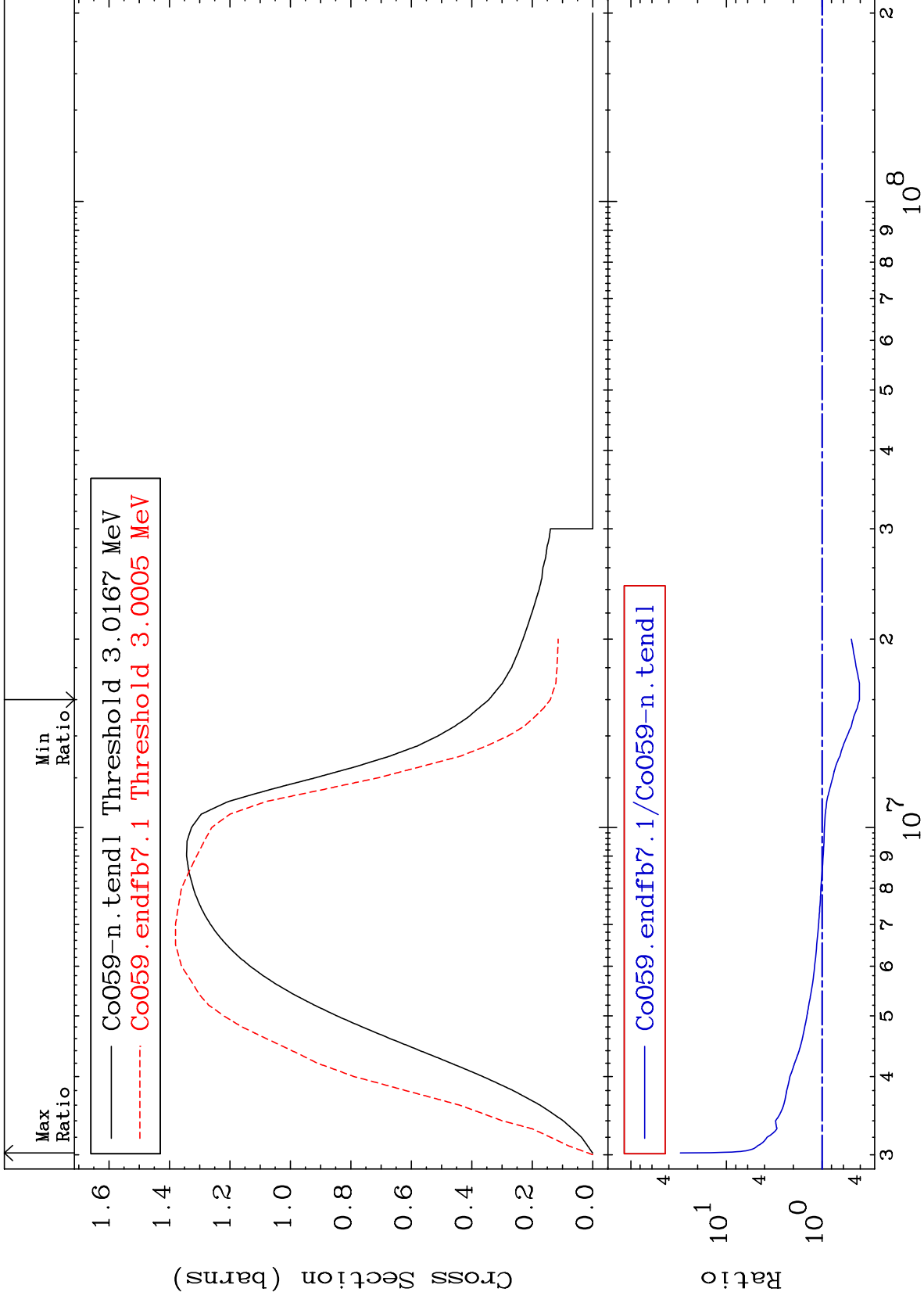
27-Co-59
-100.0 To 375.0 %



27

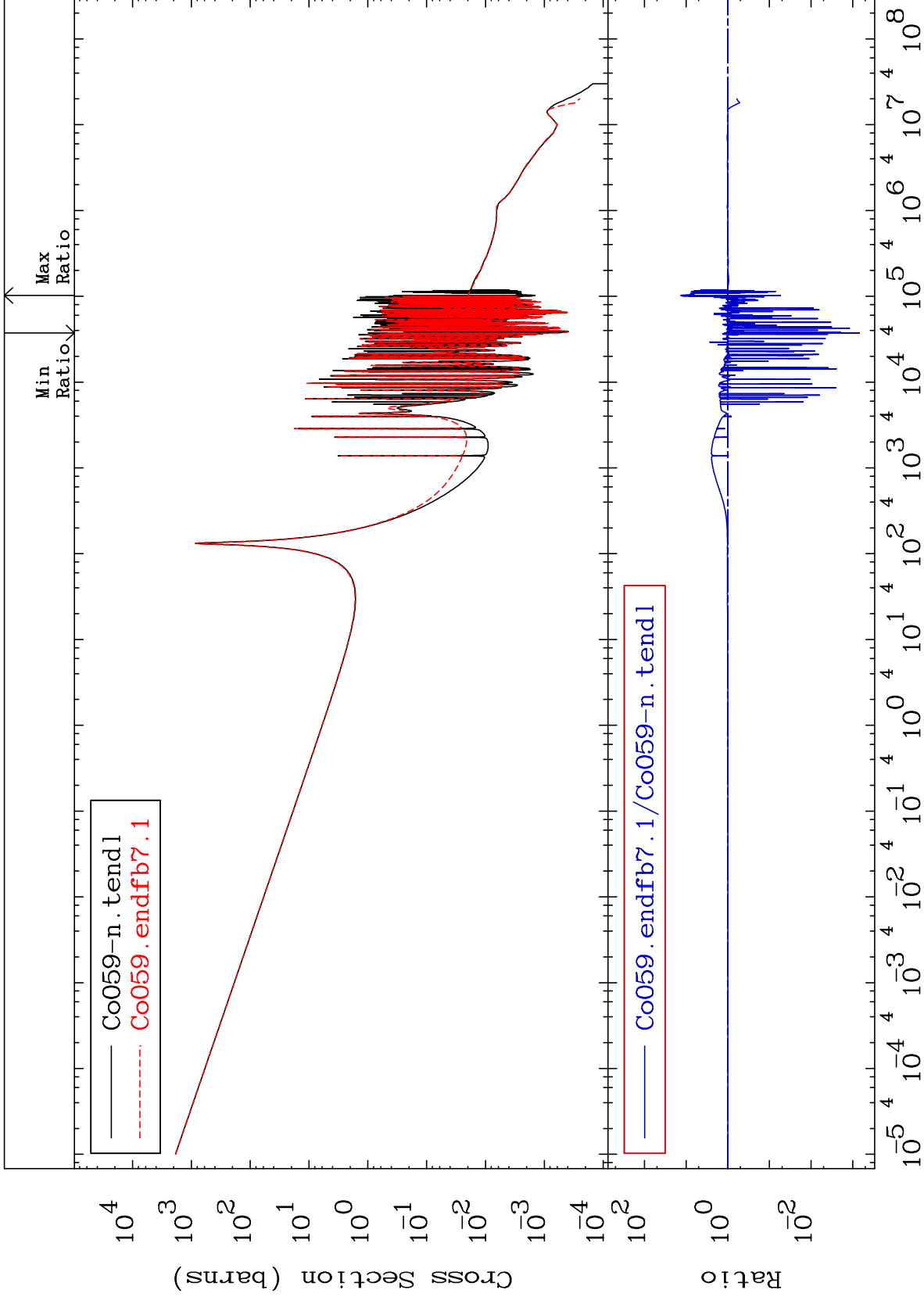
Incident Energy (eV)

27-Co-59



Cross Section

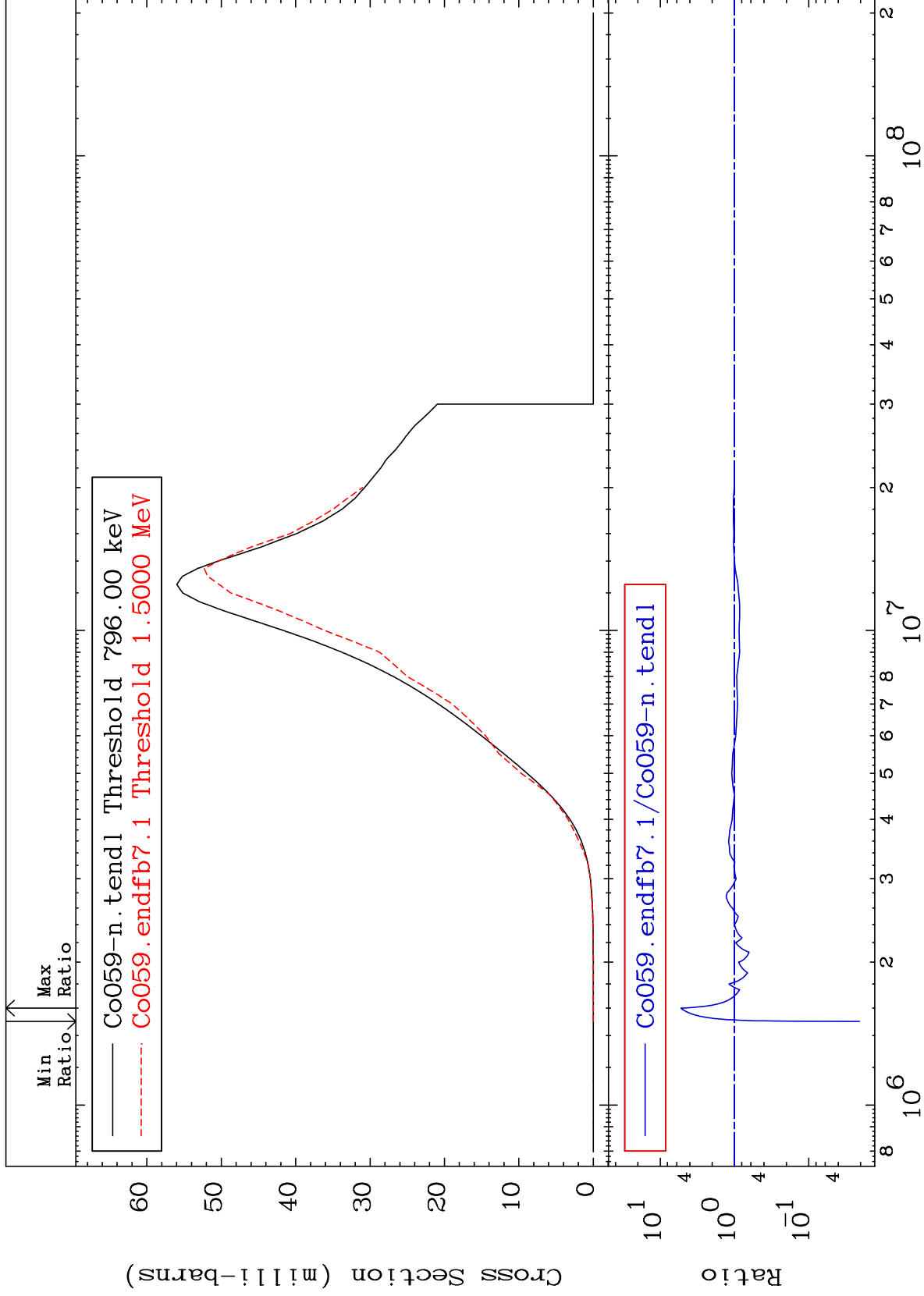
-99.93 To 1278. %



MAT 2725

(n,p)
Cross Section

27-Co-59
-97.93 To 429.3 %



30

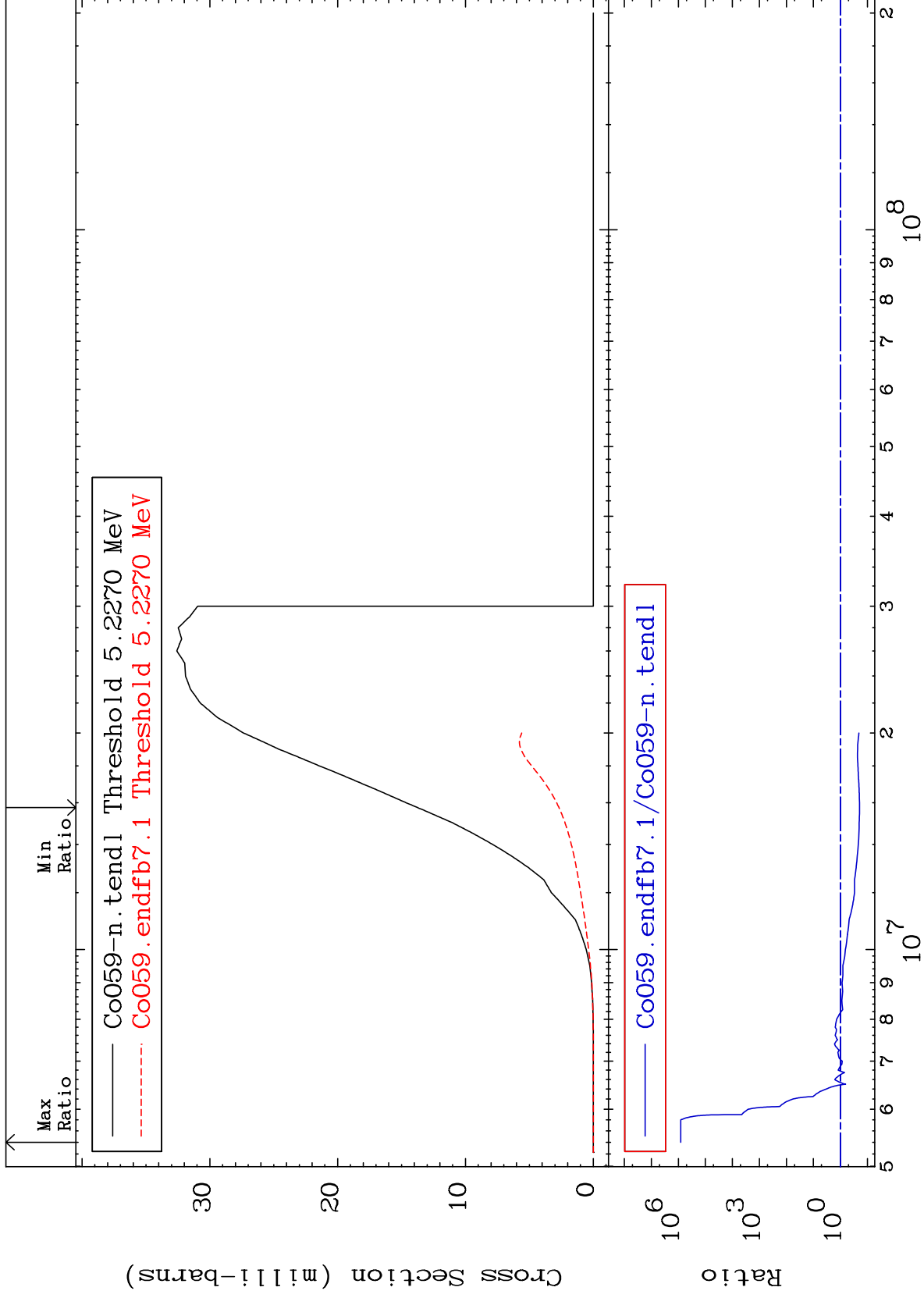
Incident Energy (eV)

27-Co-59

MAT 2725

(n, d)
Cross Section

27-Co-59
-80.47 To 9999. %



31

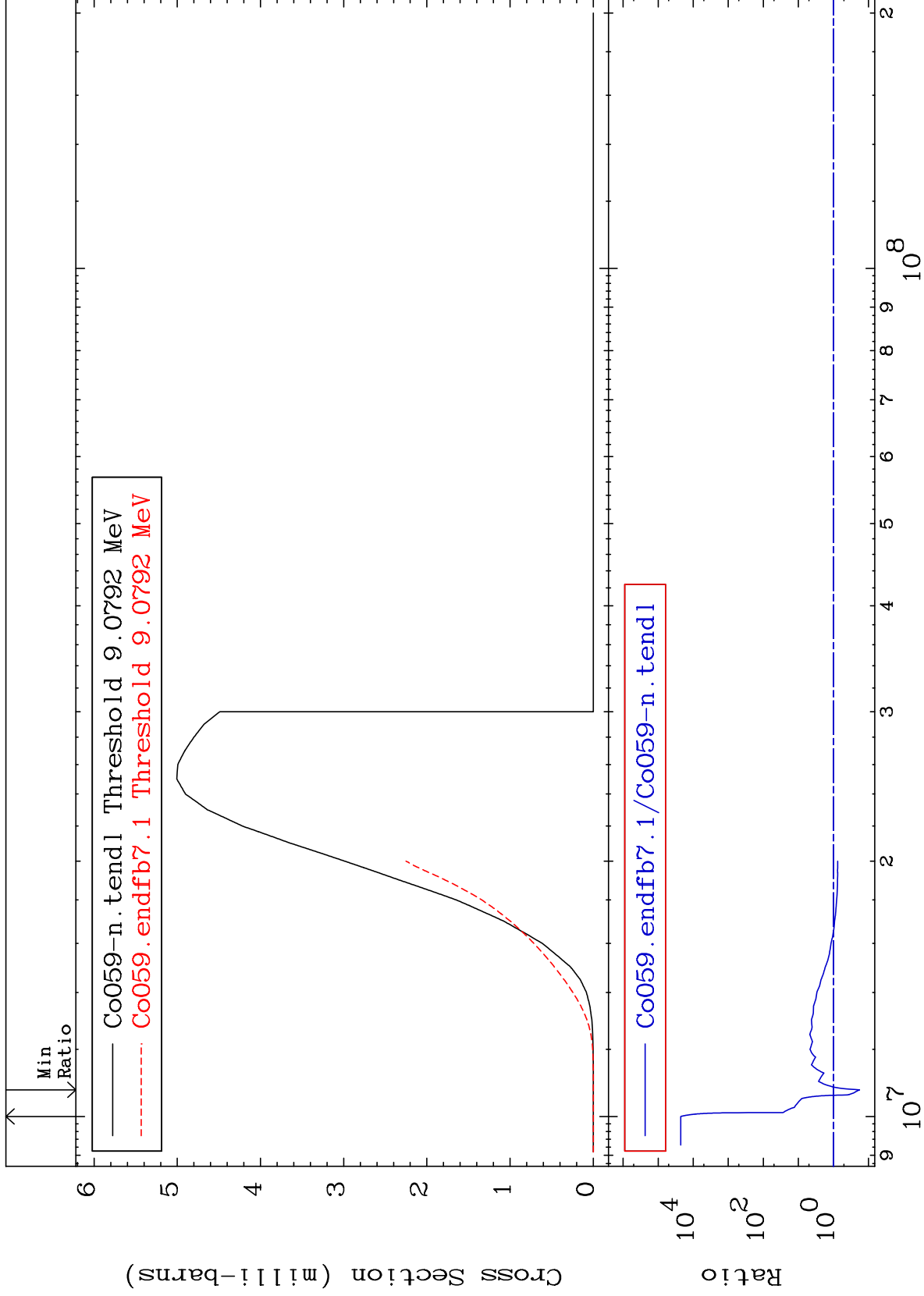
Incident Energy (eV)

27-Co-59

MAT 2725

(n, t)
Cross Section

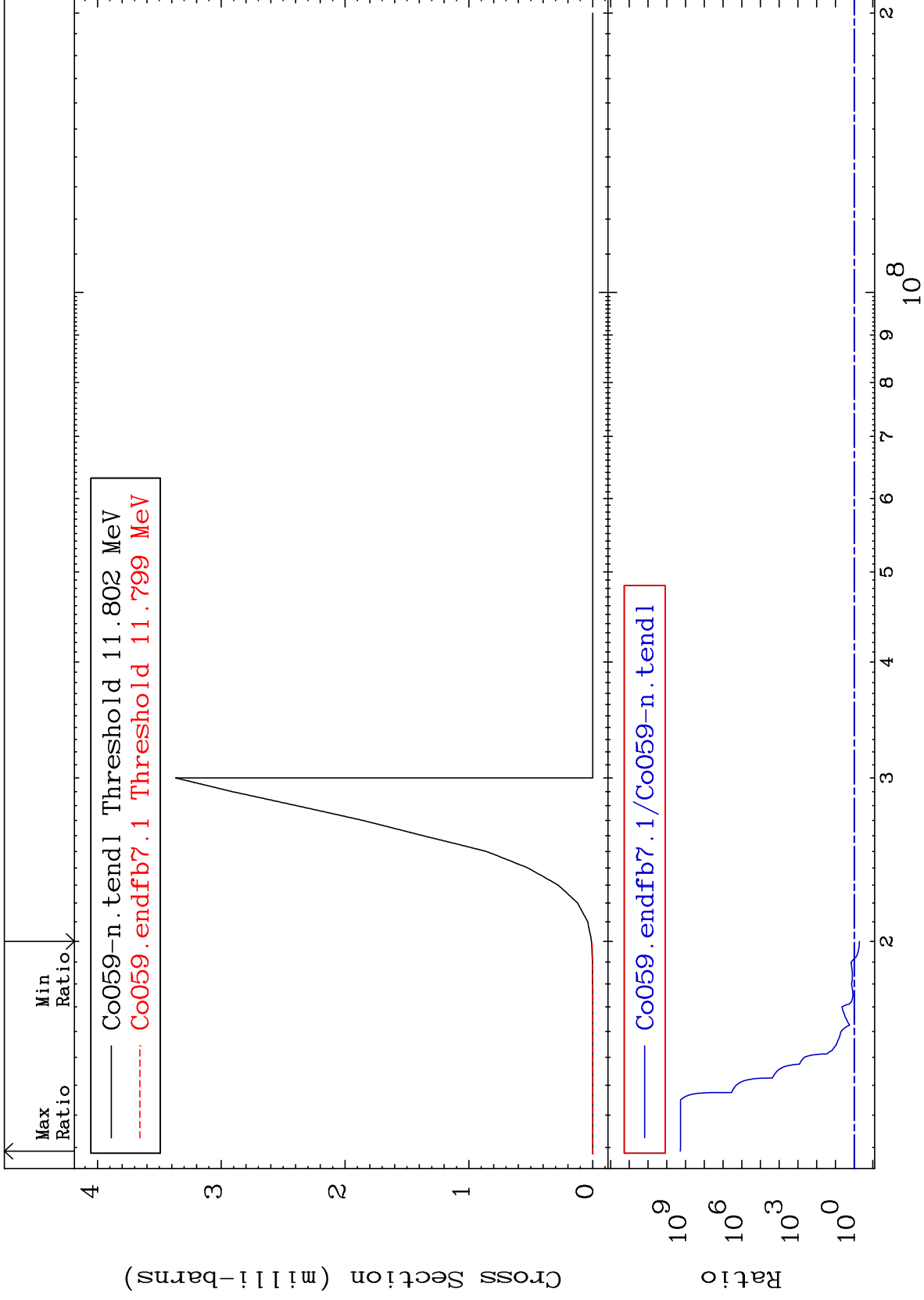
27-Co-59
-81.98 To 9999. %



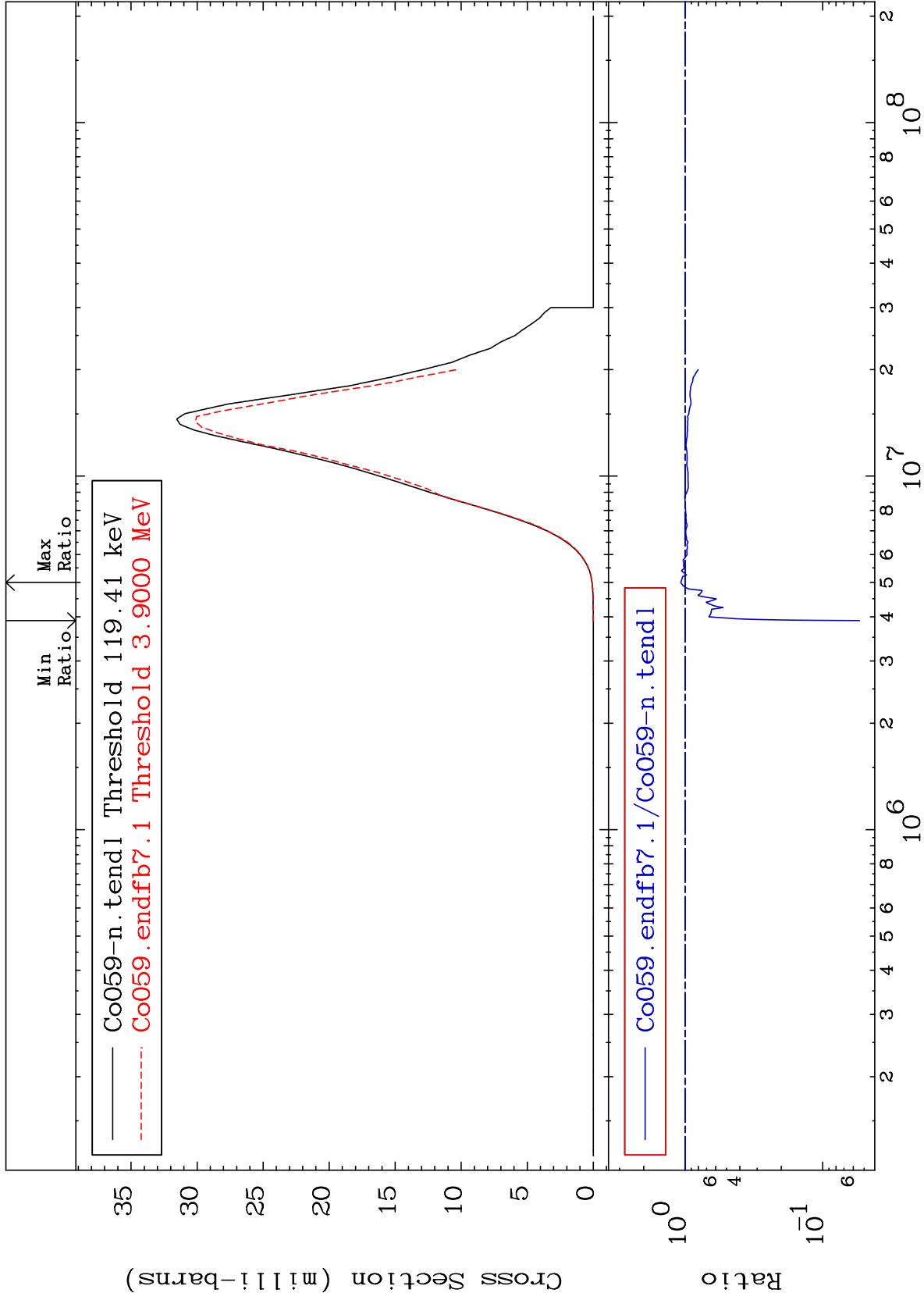
32

Incident Energy (eV)

27-Co-59



(n, α)
Cross Section
-94.60 To 7.594 %



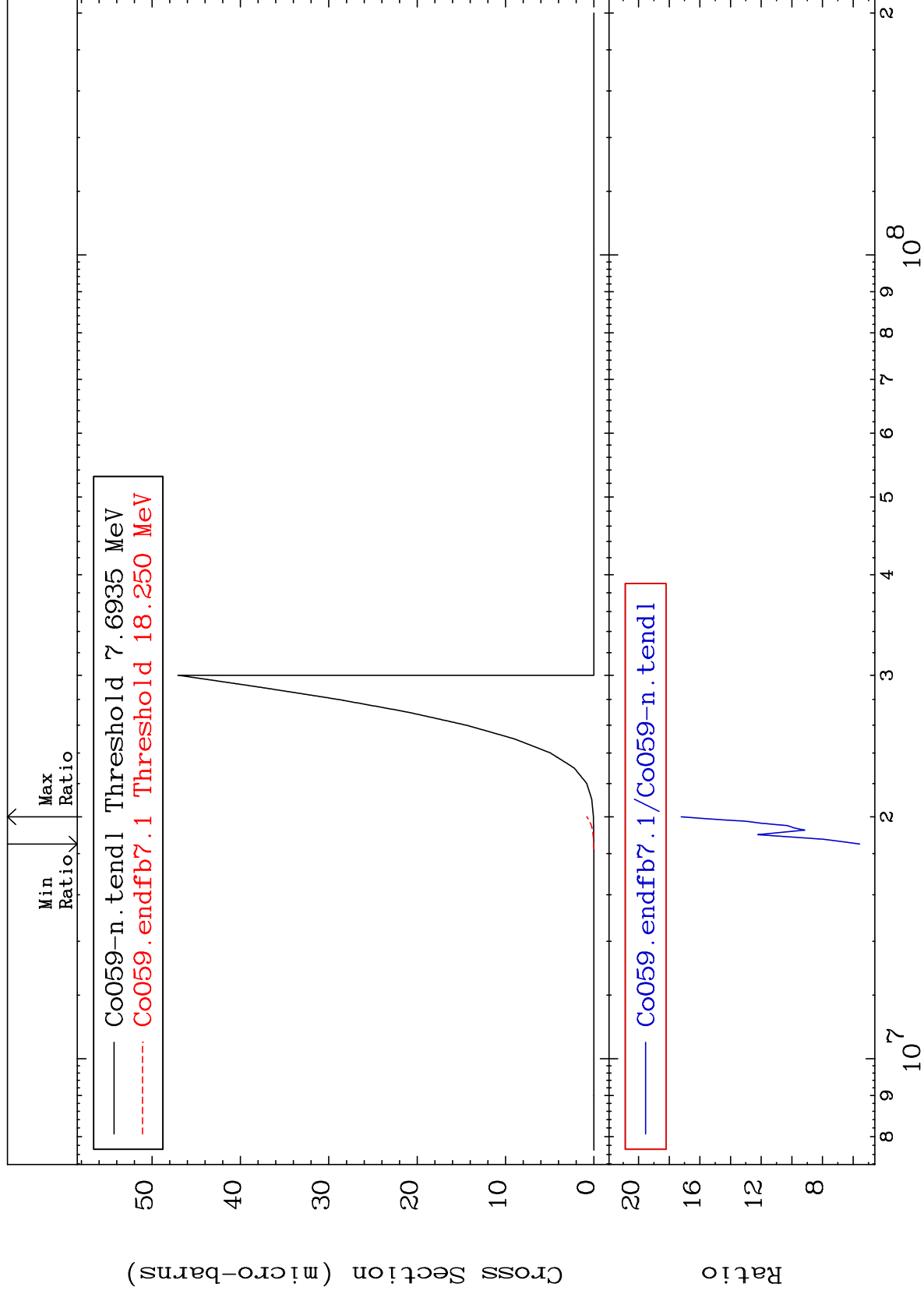
MAT 2725

(n,2α)

27-Co-59

Cross Section

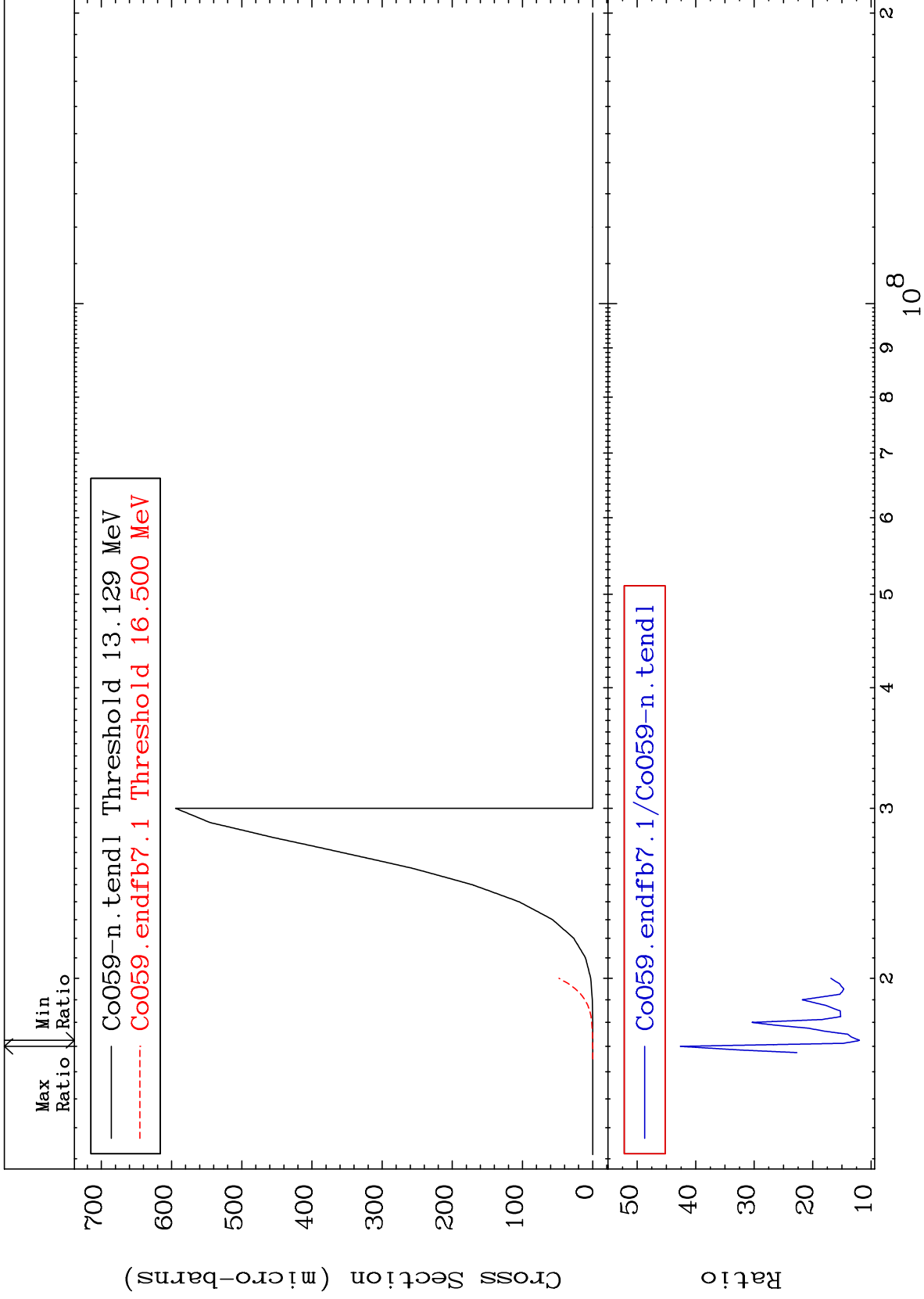
457.9 To 1622. %



35

Incident Energy (eV)

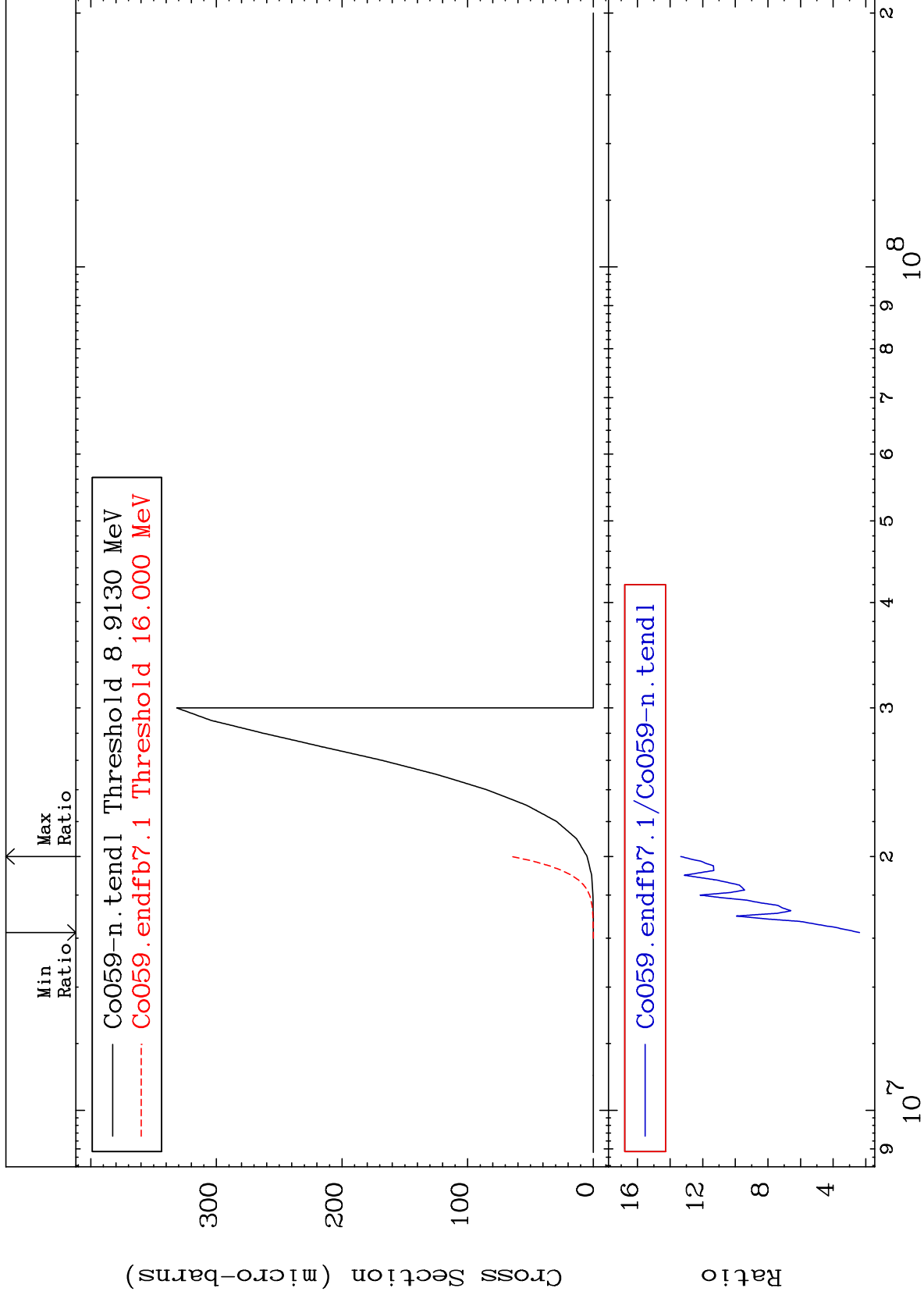
27-Co-59



MAT 2725

(n,p) α
Cross Section

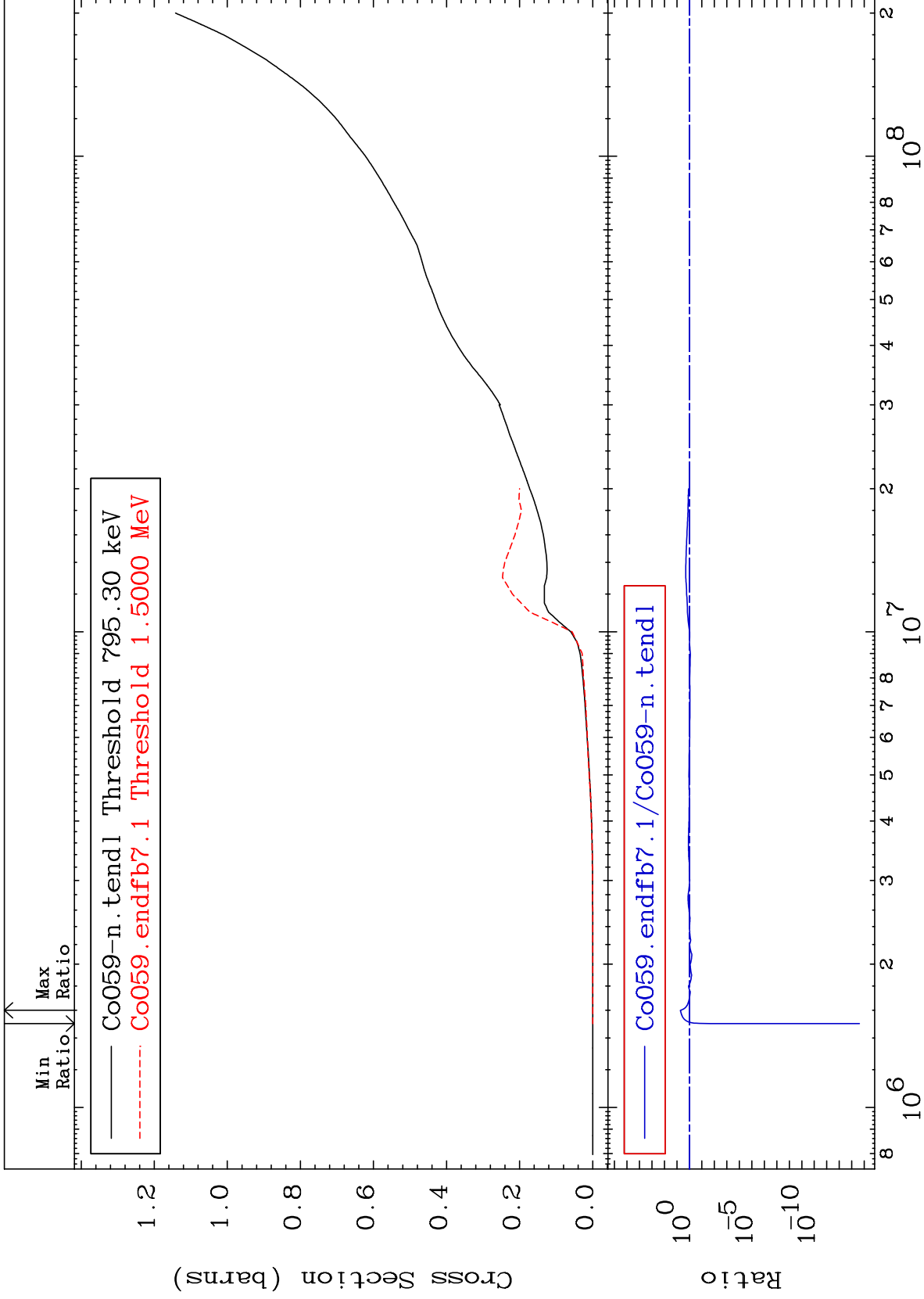
27-Co-59
138.4 To 1235. %

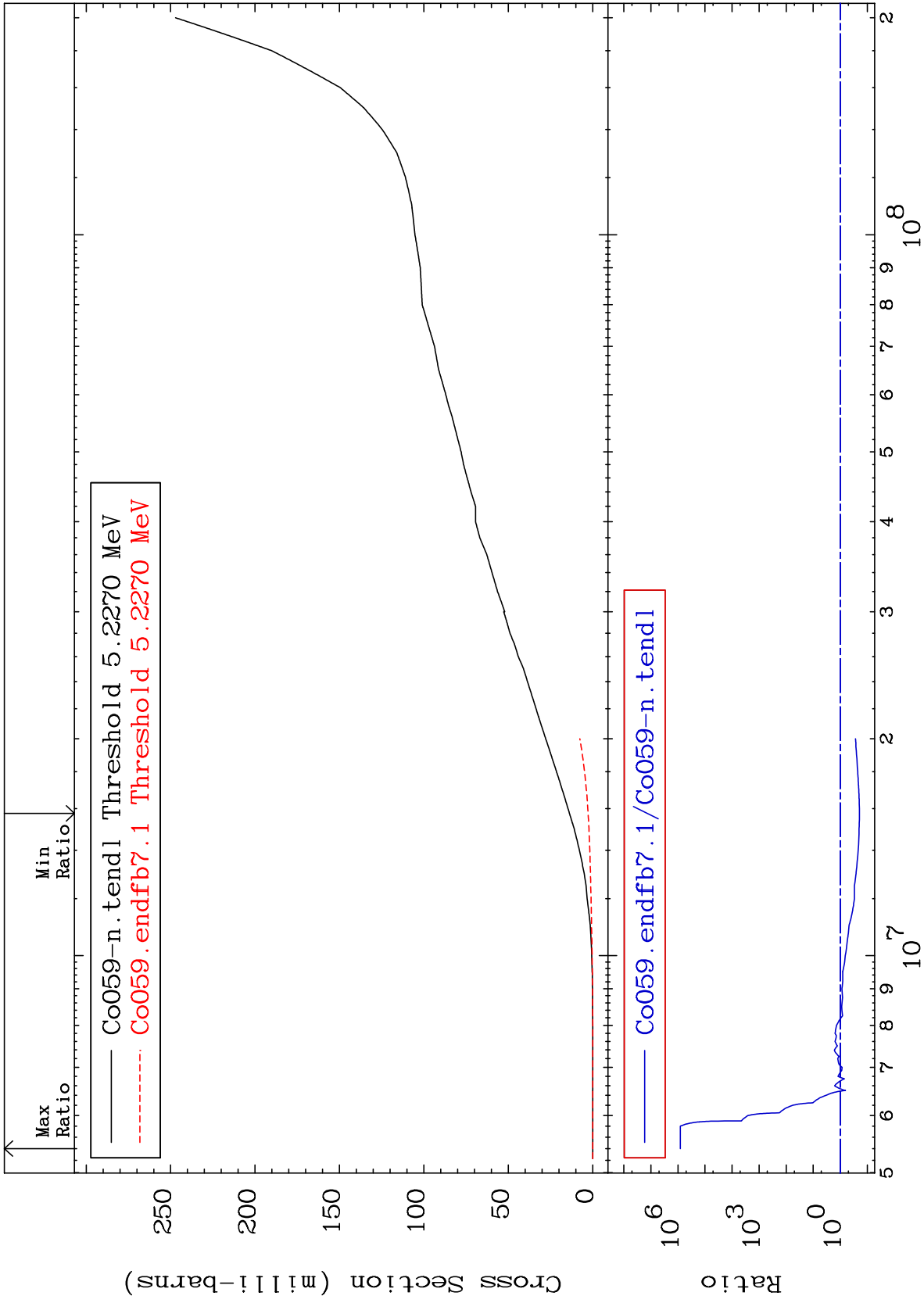


37

Incident Energy (eV)

27-Co-59

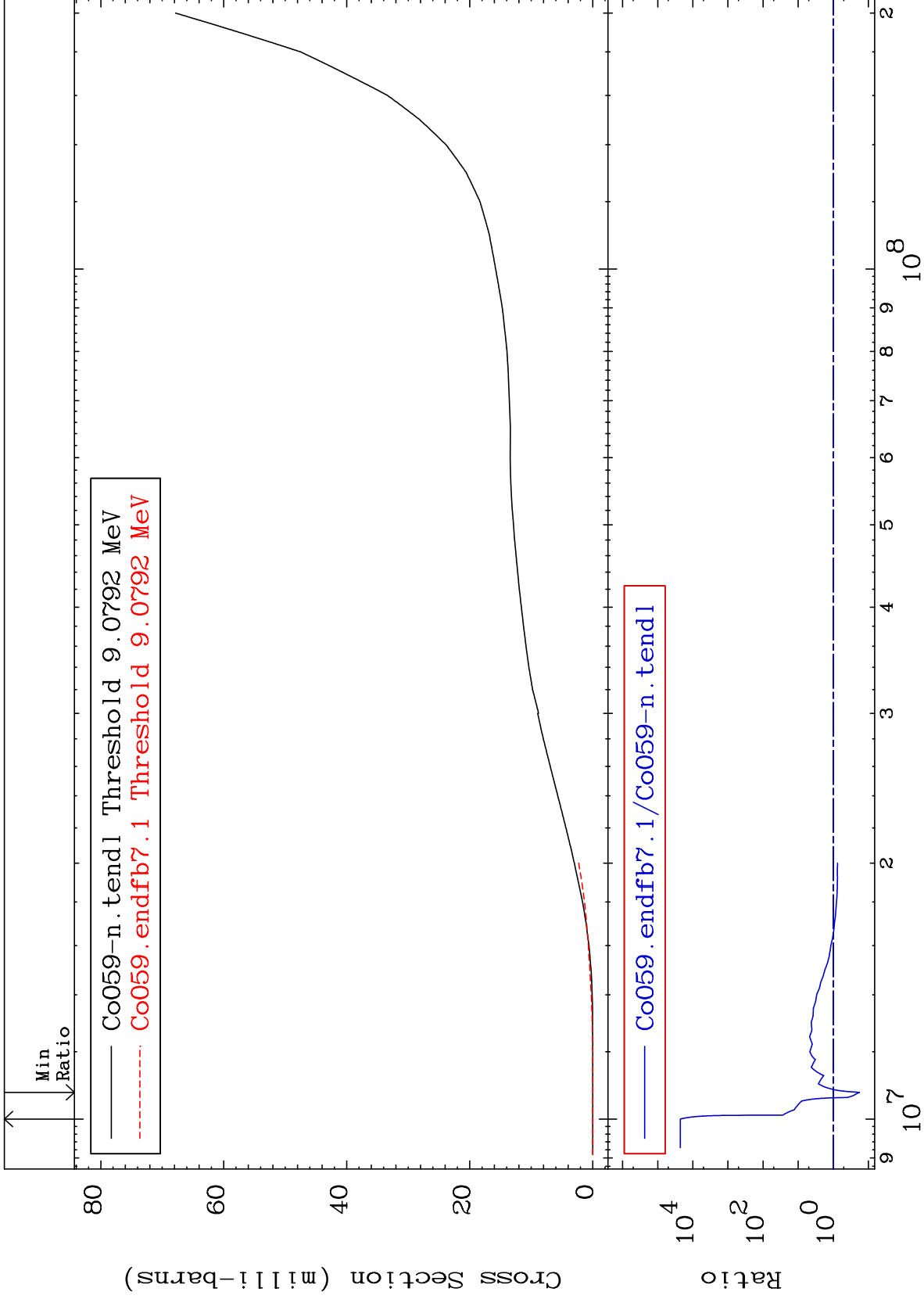




MAT 2725

Tritium Production
Cross Section

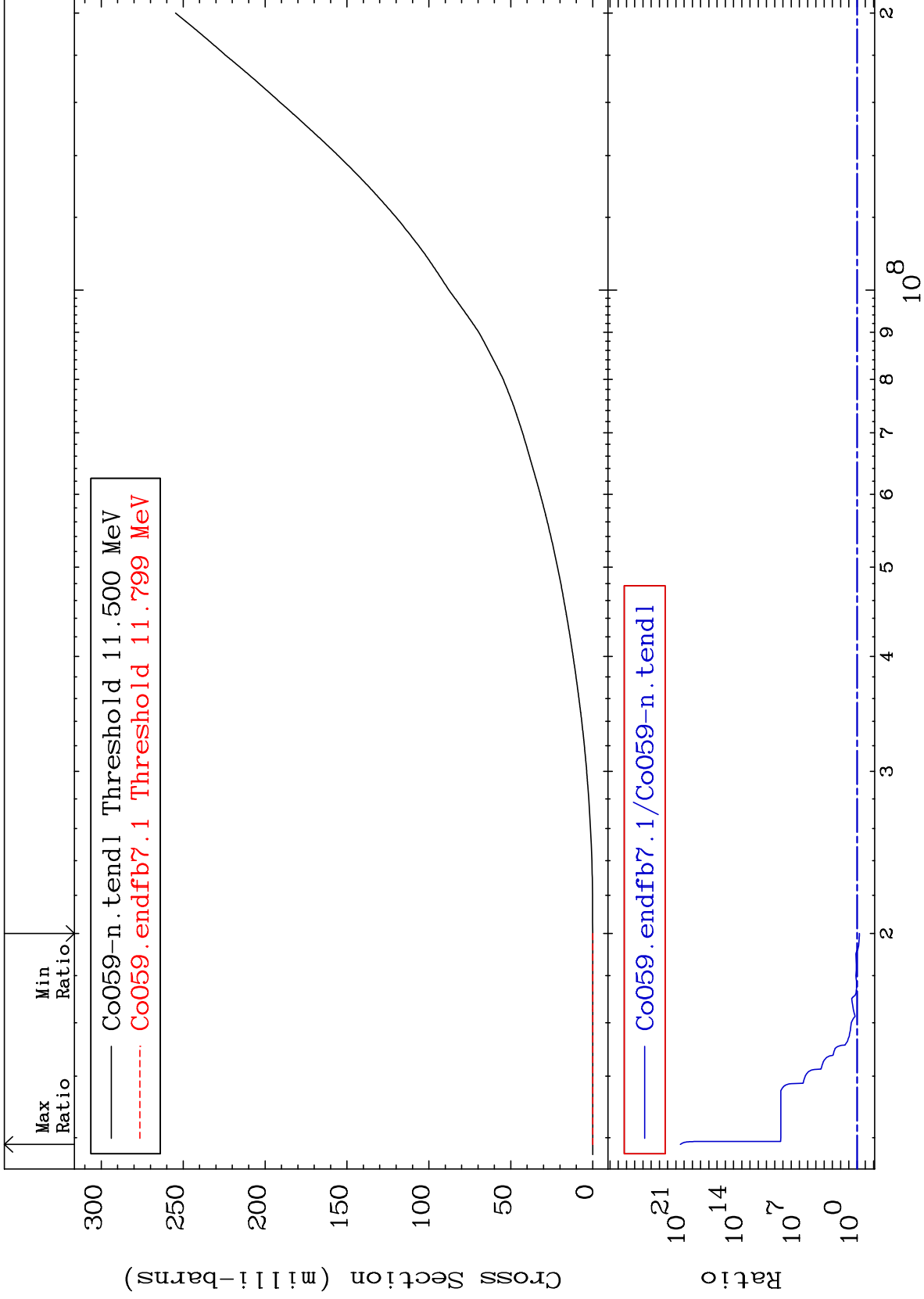
$^{27}\text{Co-59}$
-81.98 To 9999. %



40

Incident Energy (eV)

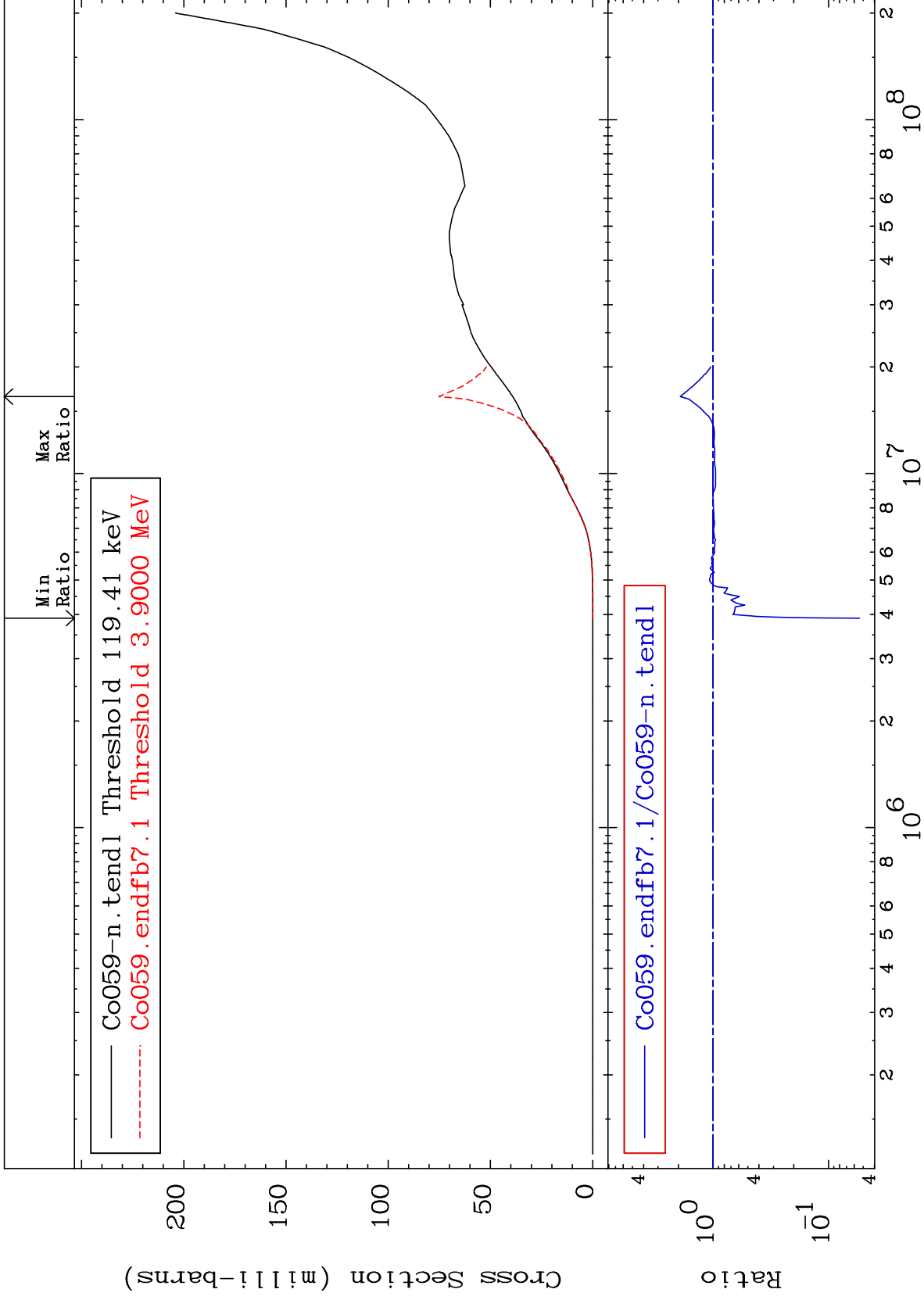
$^{27}\text{Co-59}$

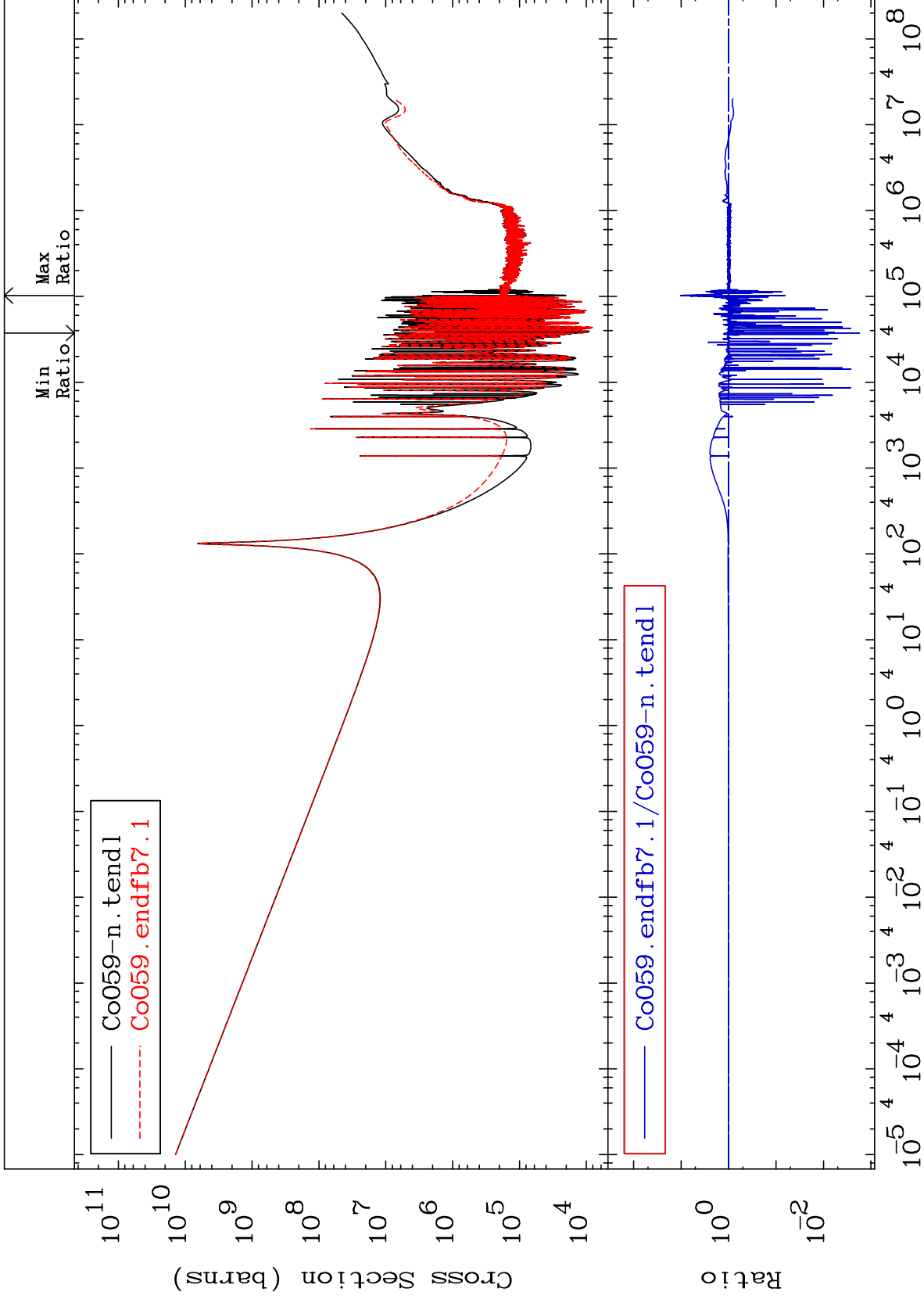


MAT 2725

He-4 Production
Cross Section

27-Co-59
-94.60 To 92.10 %

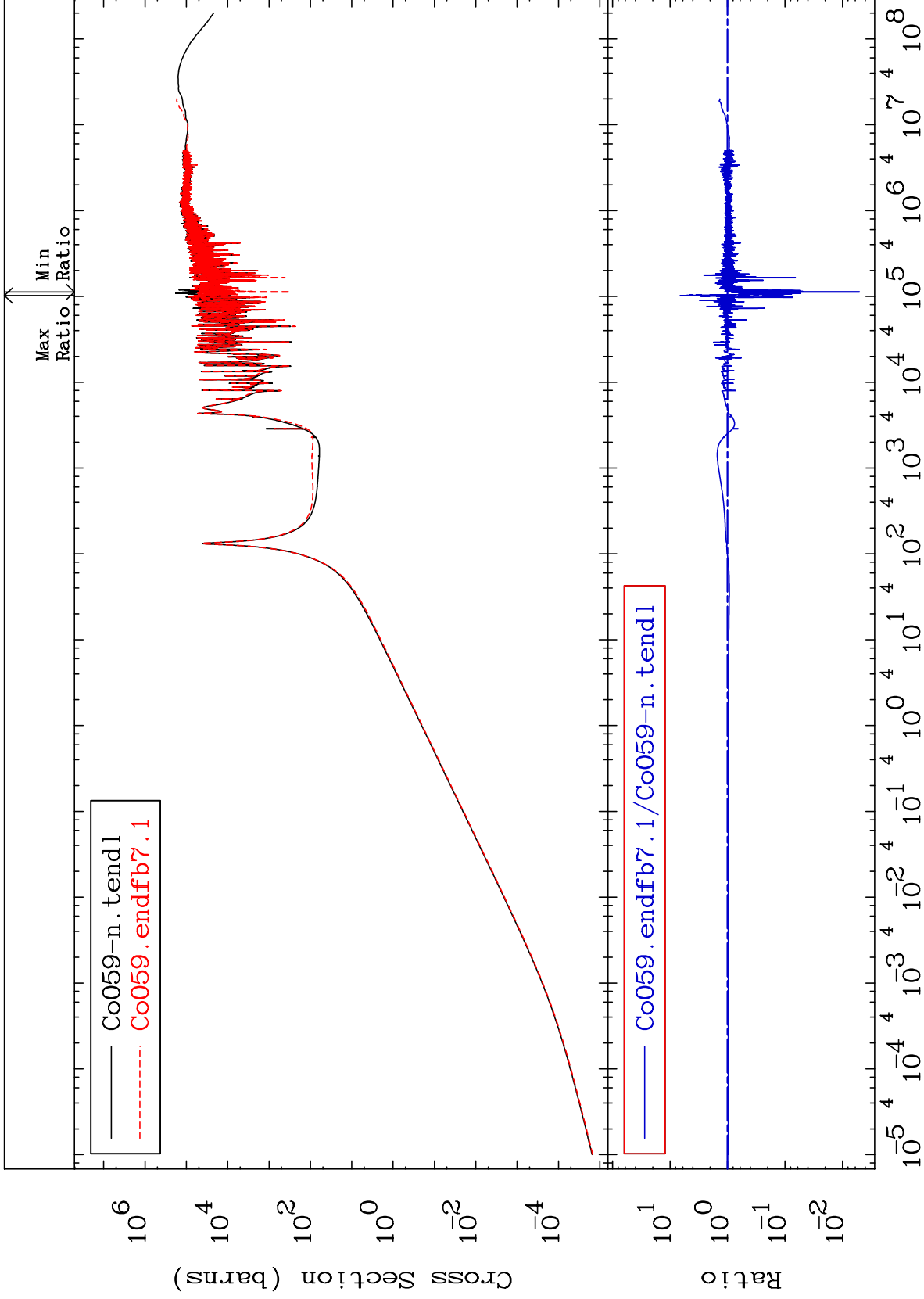


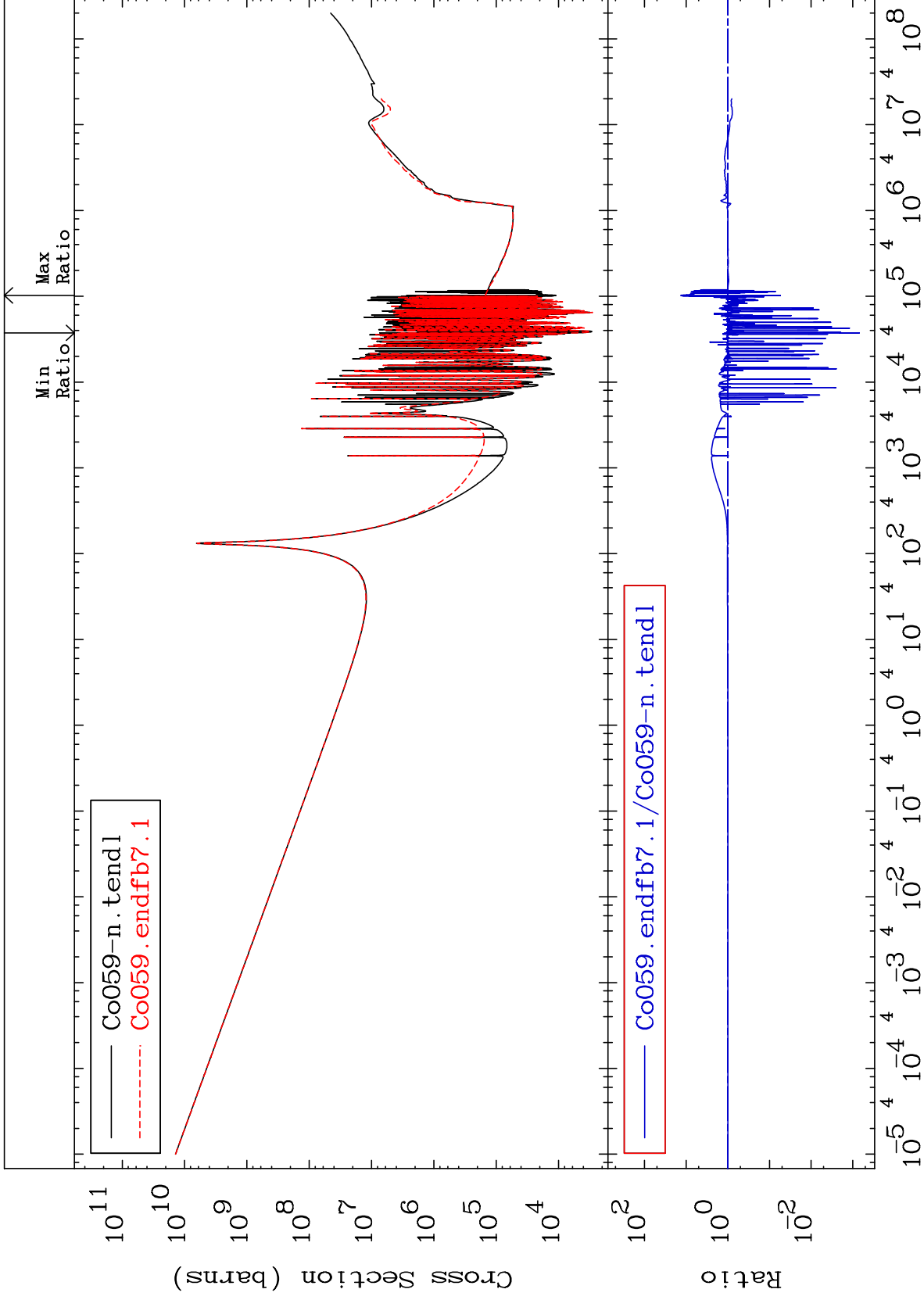


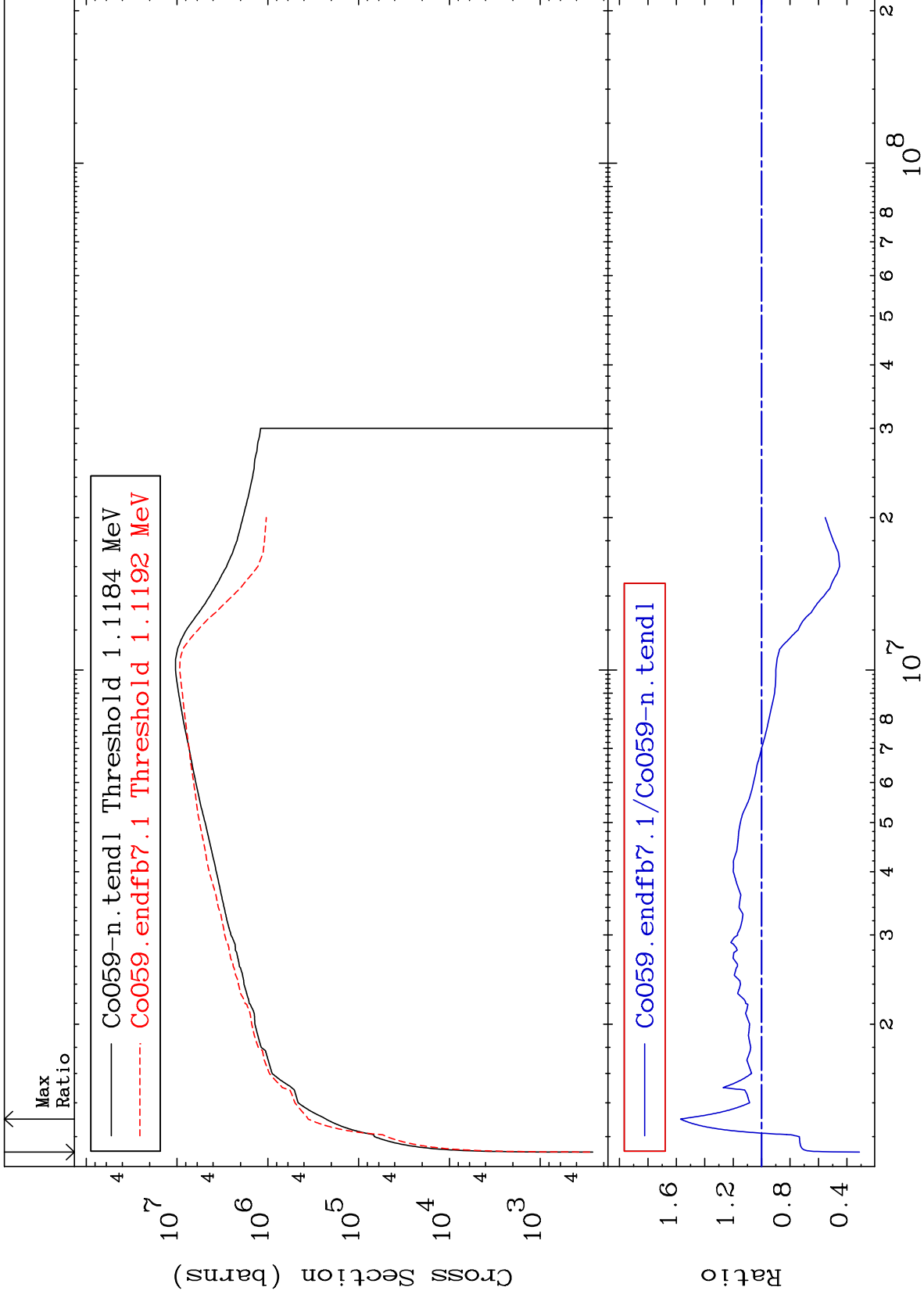
MAT 2725

Kerma elastic
Cross Section

27-Co-59
-99.49 To 560.5 %



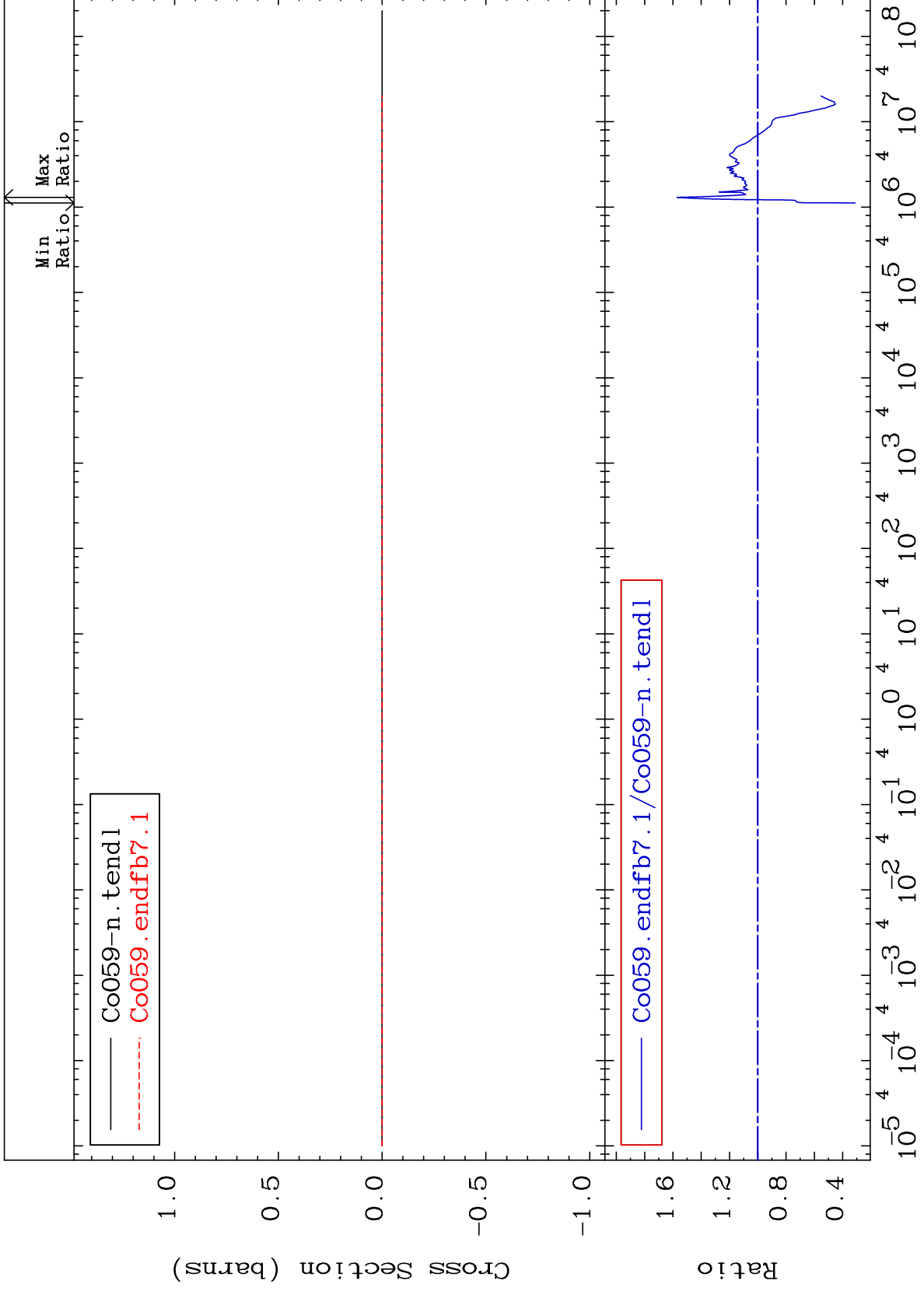




MAT 2725

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

27-Co-59
-68.81 To 57.17 %



47

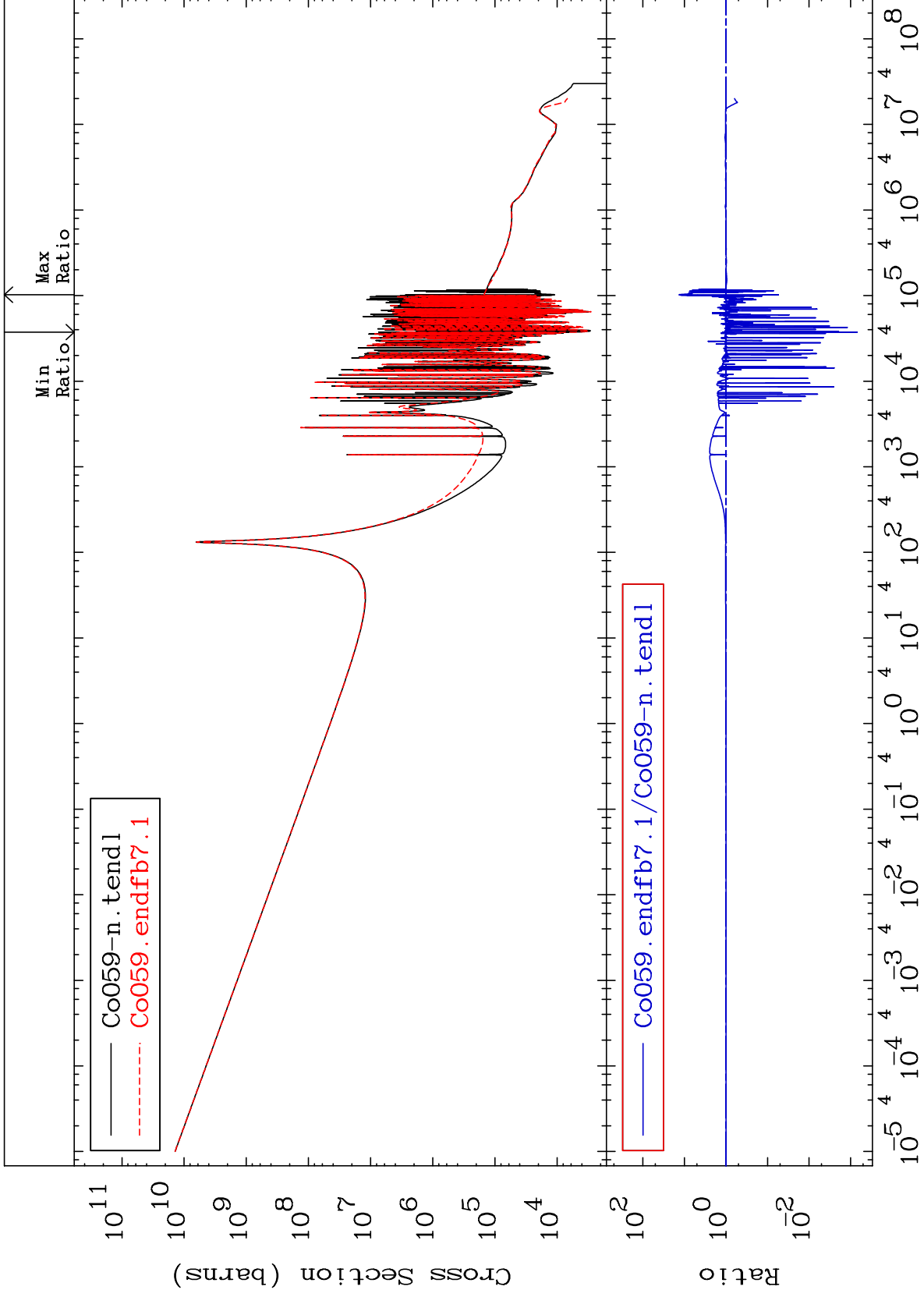
Incident Energy (eV)

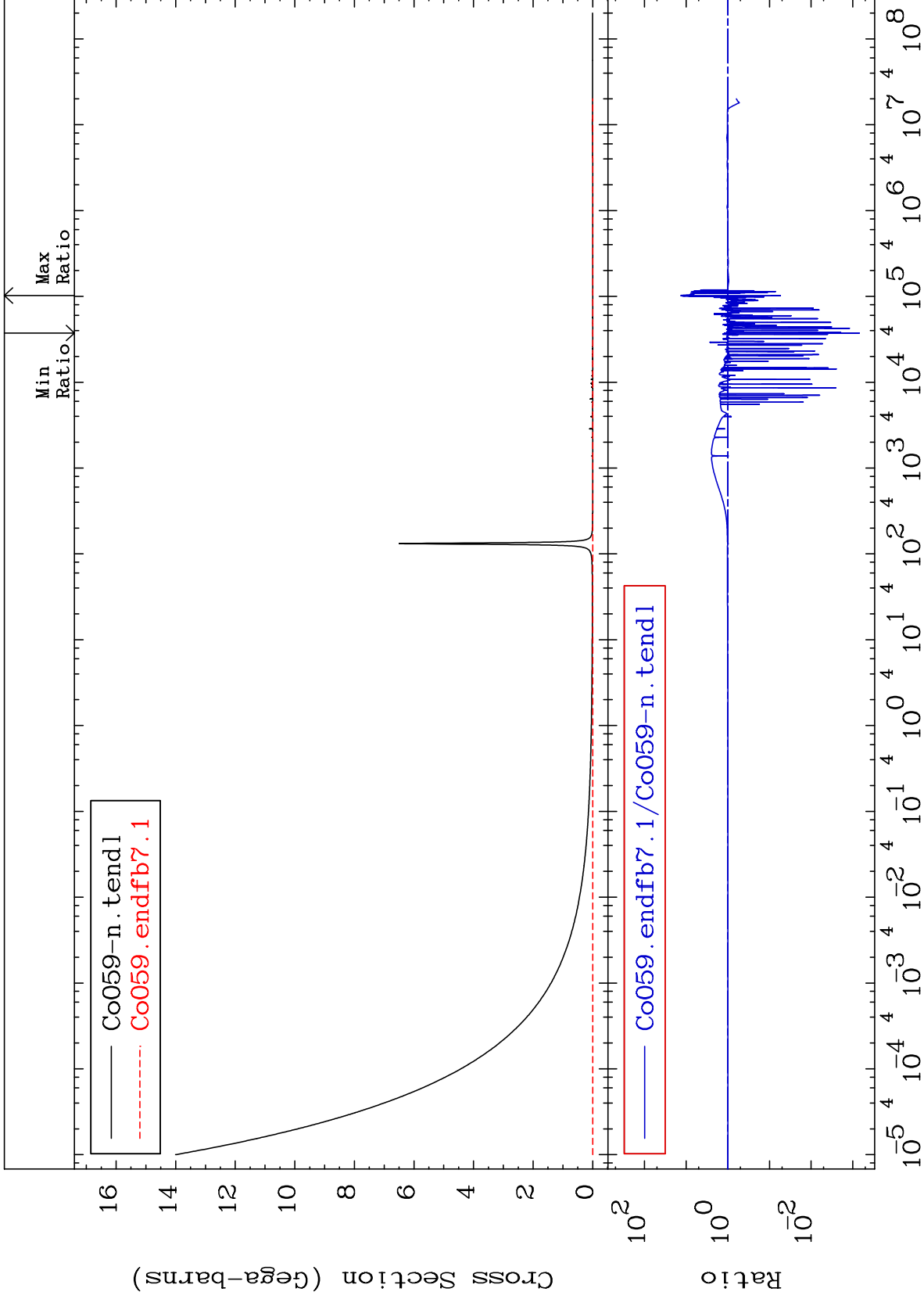
27-Co-59

MAT 2725

Kerma capture (mt102)
Cross Section

27-Co-59
-99.93 To 1279. %



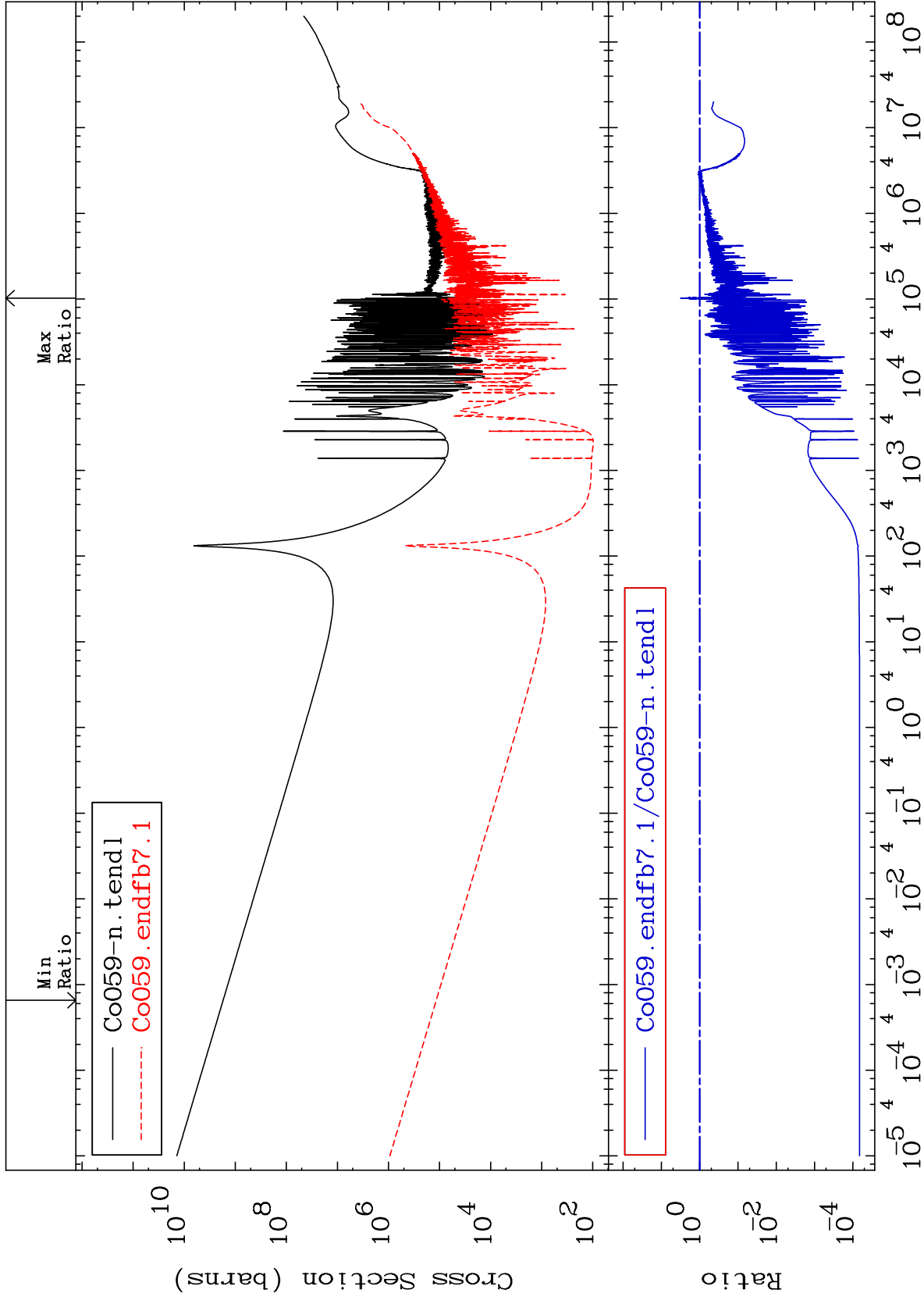


MAT 2725

Total kinematic kerma (high limit)
Cross Section

27-Co-59

-99.99 To 212.5 %



50

Incident Energy (eV)

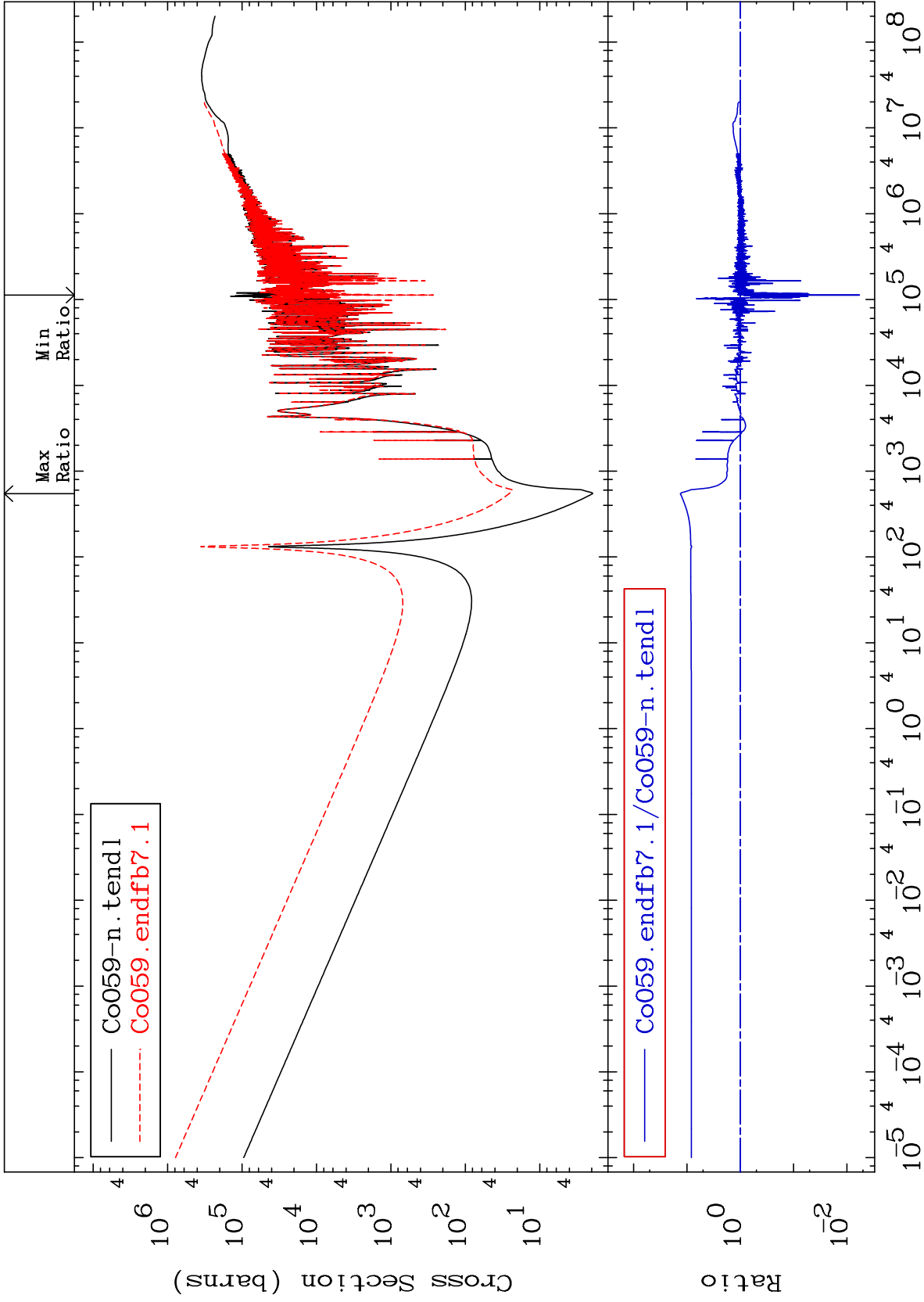
27-Co-59

MAT 2725

Dpa total (eV-barns)

27-Co-59

-99.42 To 1226. %



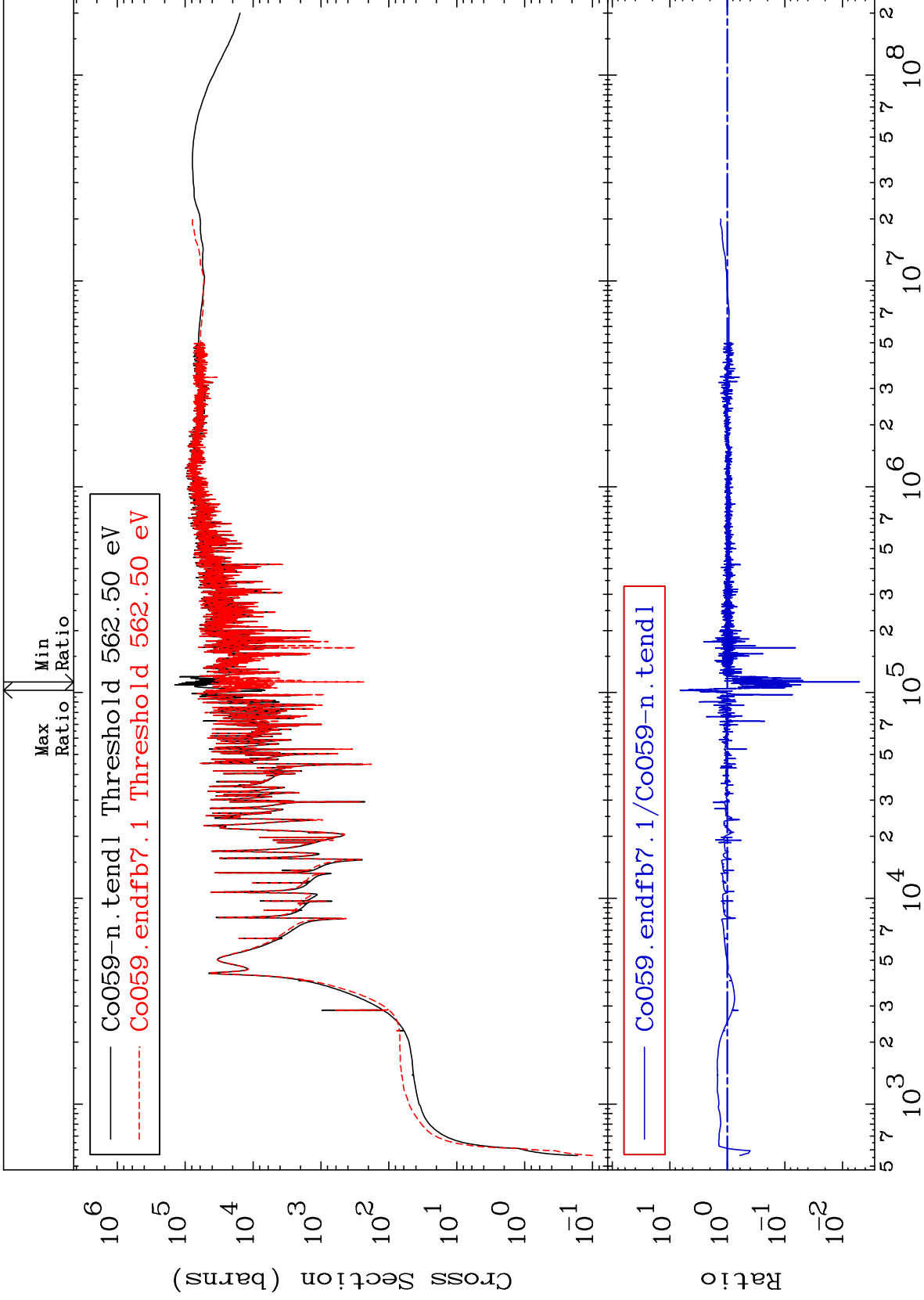
51

27-Co-59

MAT 2725

Dpa elastic (mt2)
Cross Section

27-Co-59
-99.49 To 560.6 %



52

Incident Energy (eV)

27-Co-59

