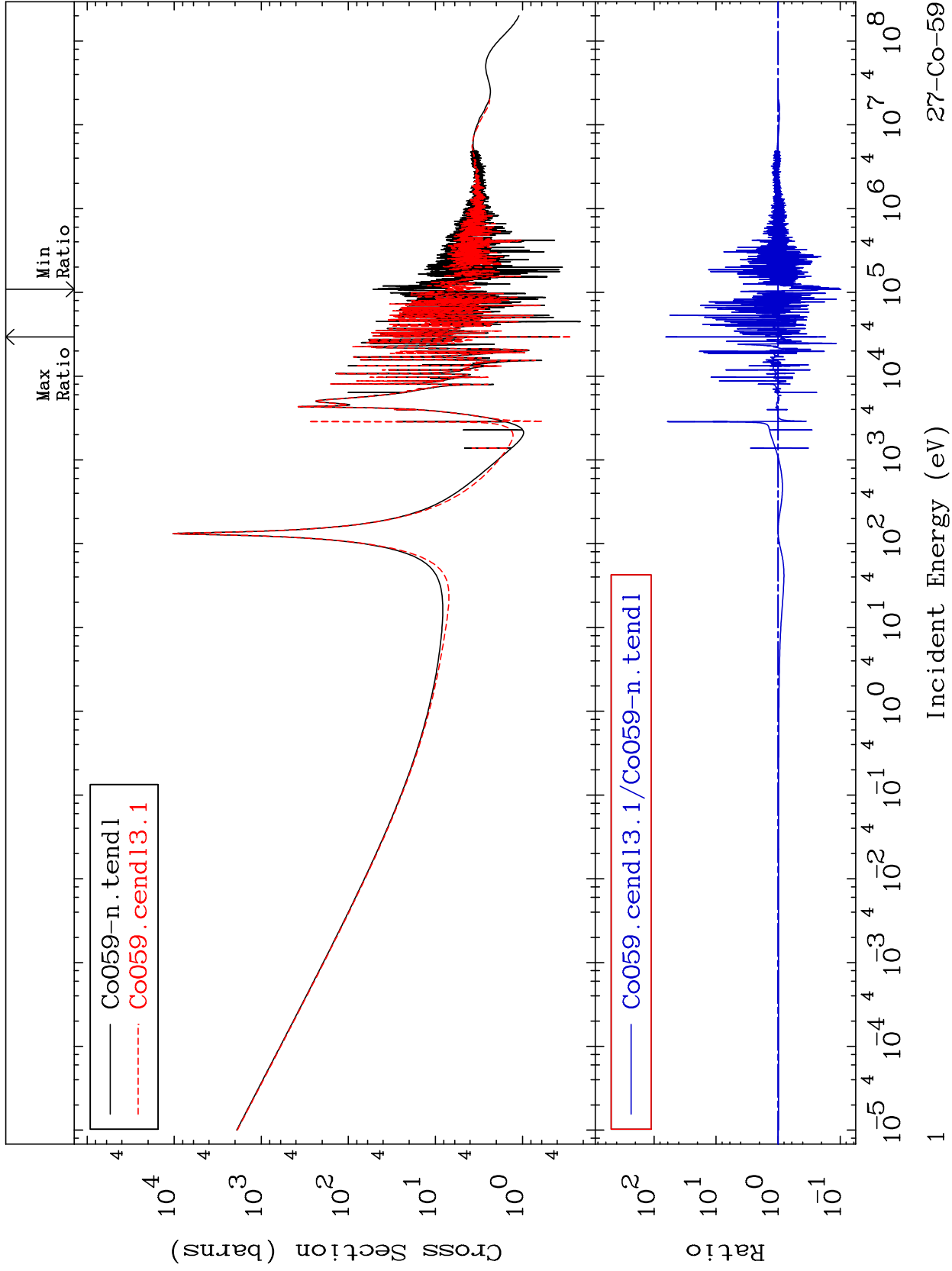


MAT 2725

Total
Cross Section

27-Co-59
-90.26 To 6320. %

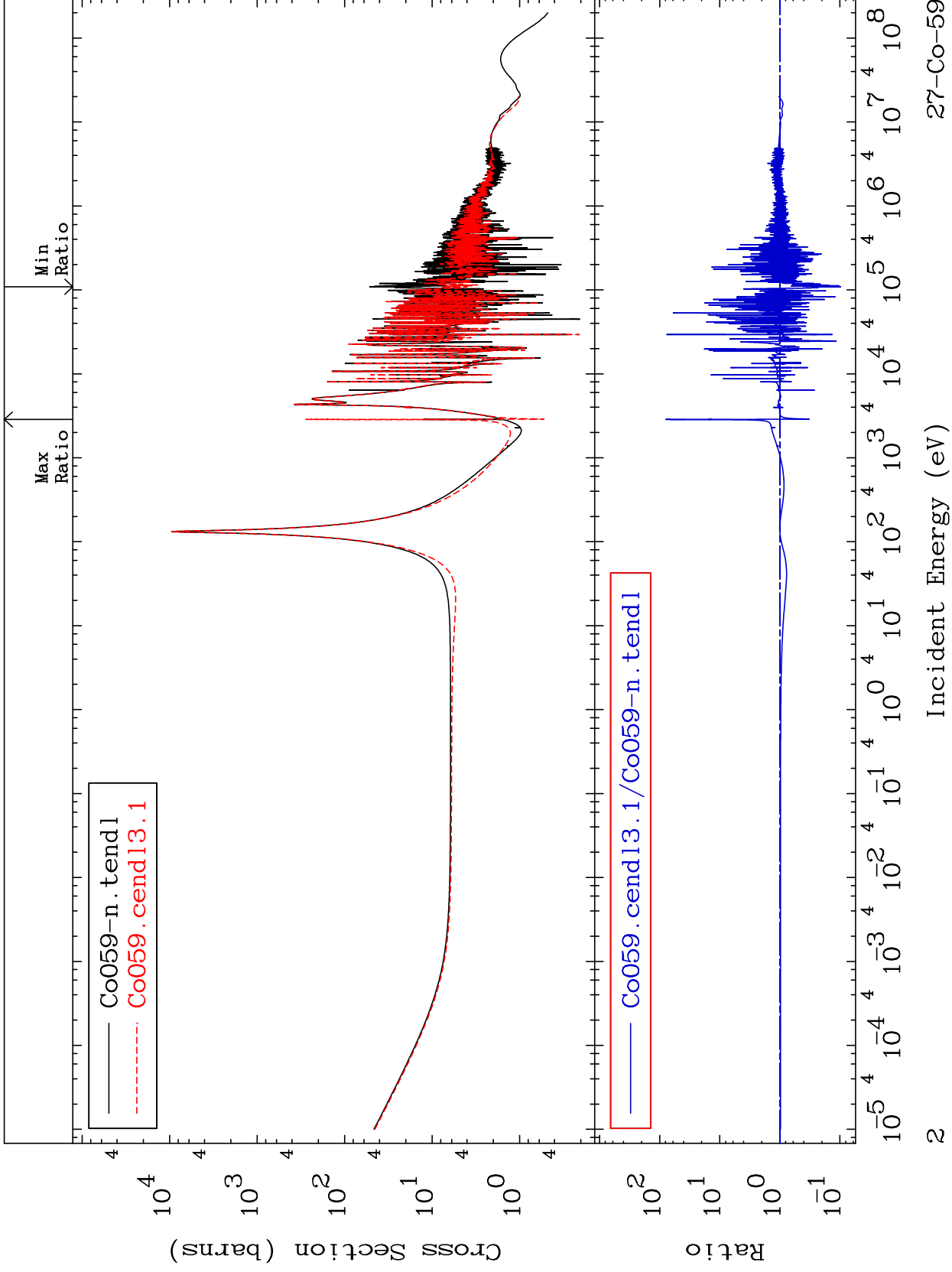


27-Co-59

MAT 2725

Elastic
Cross Section

27-Co-59
-90.28 To 7890. %

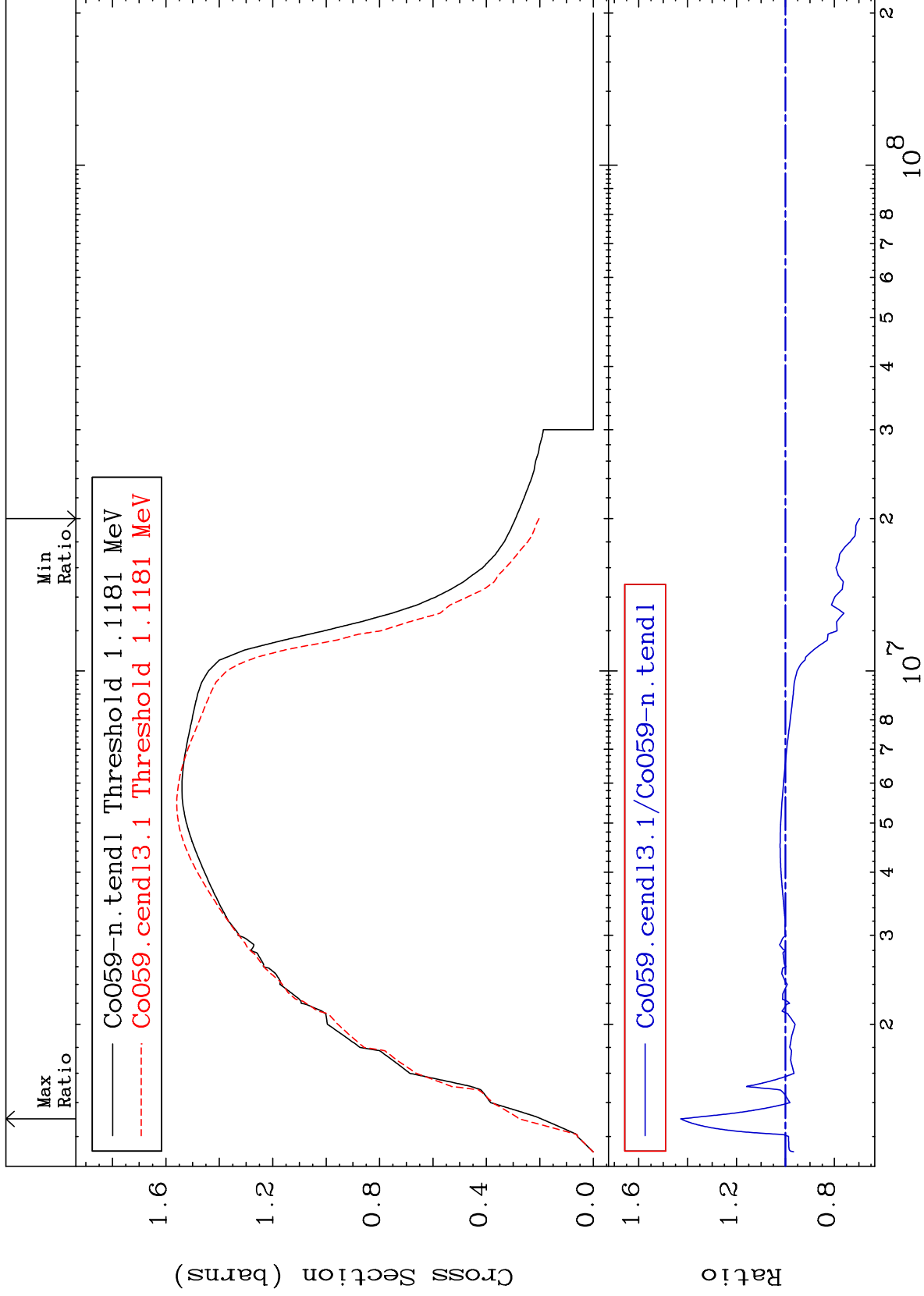


27-Co-59

MAT 2725

Inelastic
Cross Section

²⁷Co-59
-30.28 To 42.81 %



MAT 2725

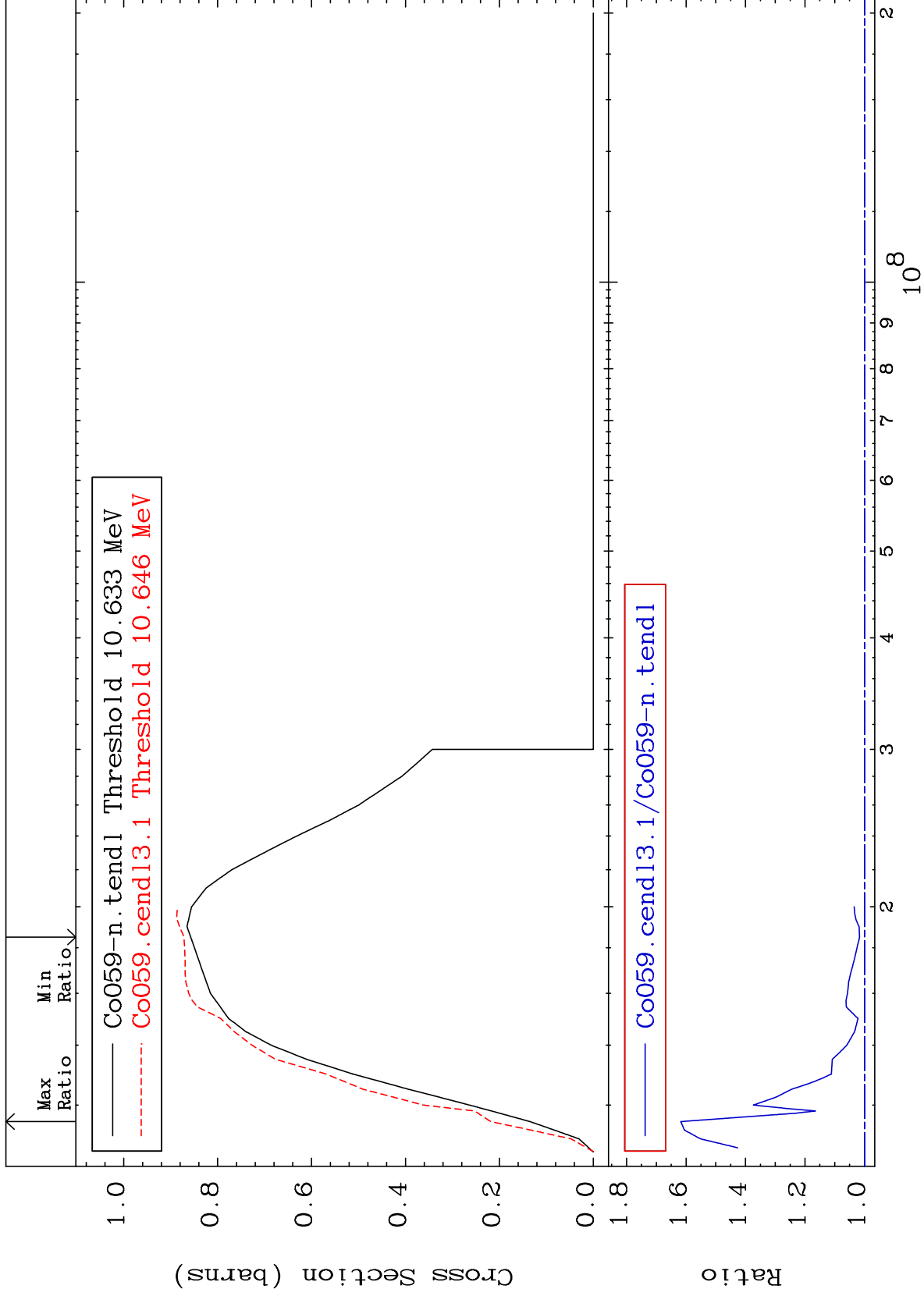
(n,2n)

²⁷Co-59

Cross Section

1.655

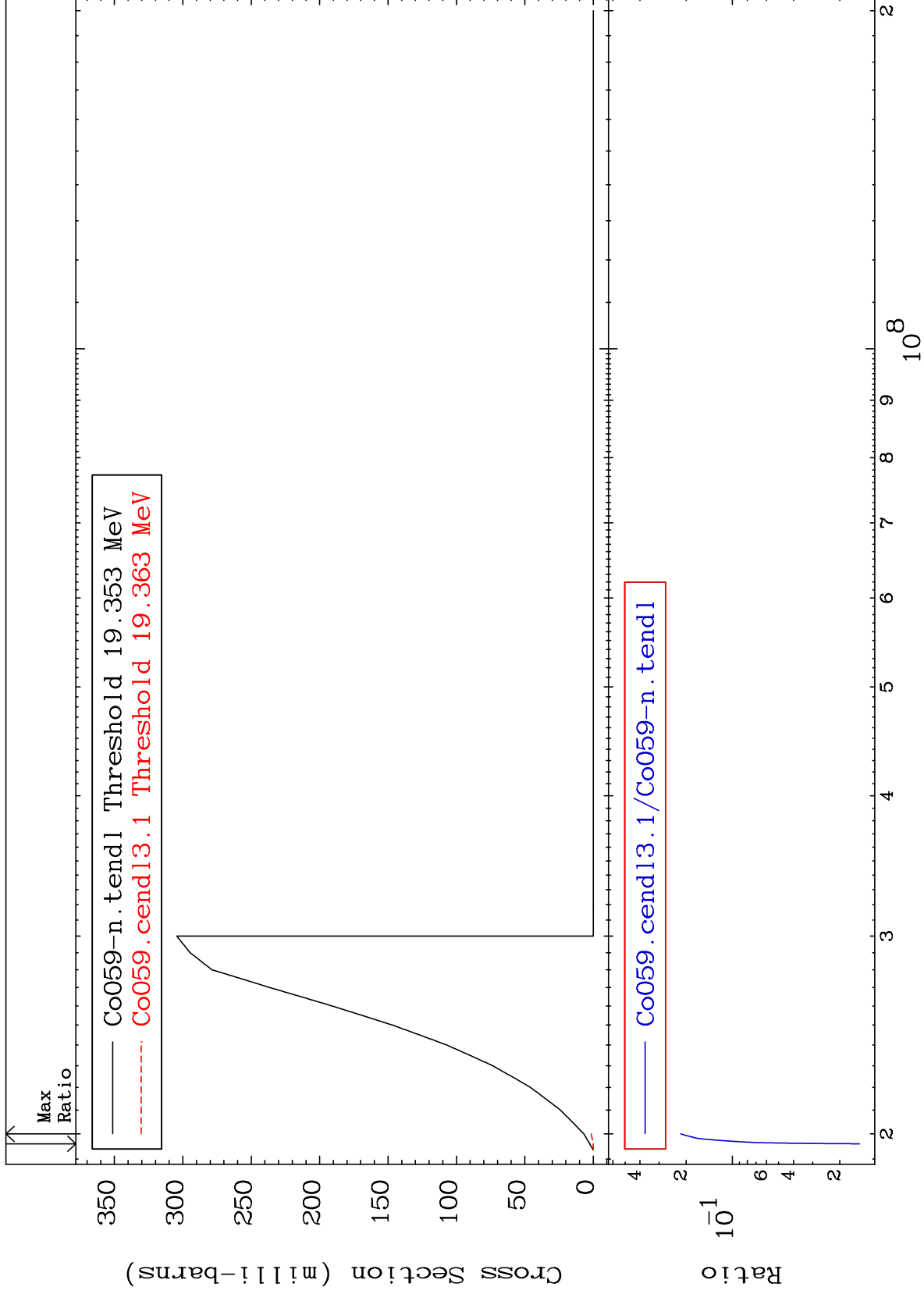
To 61.77 %



MAT 2725

(n,3n)
Cross Section

27-Co-59
-98.52 To -78.30%



5

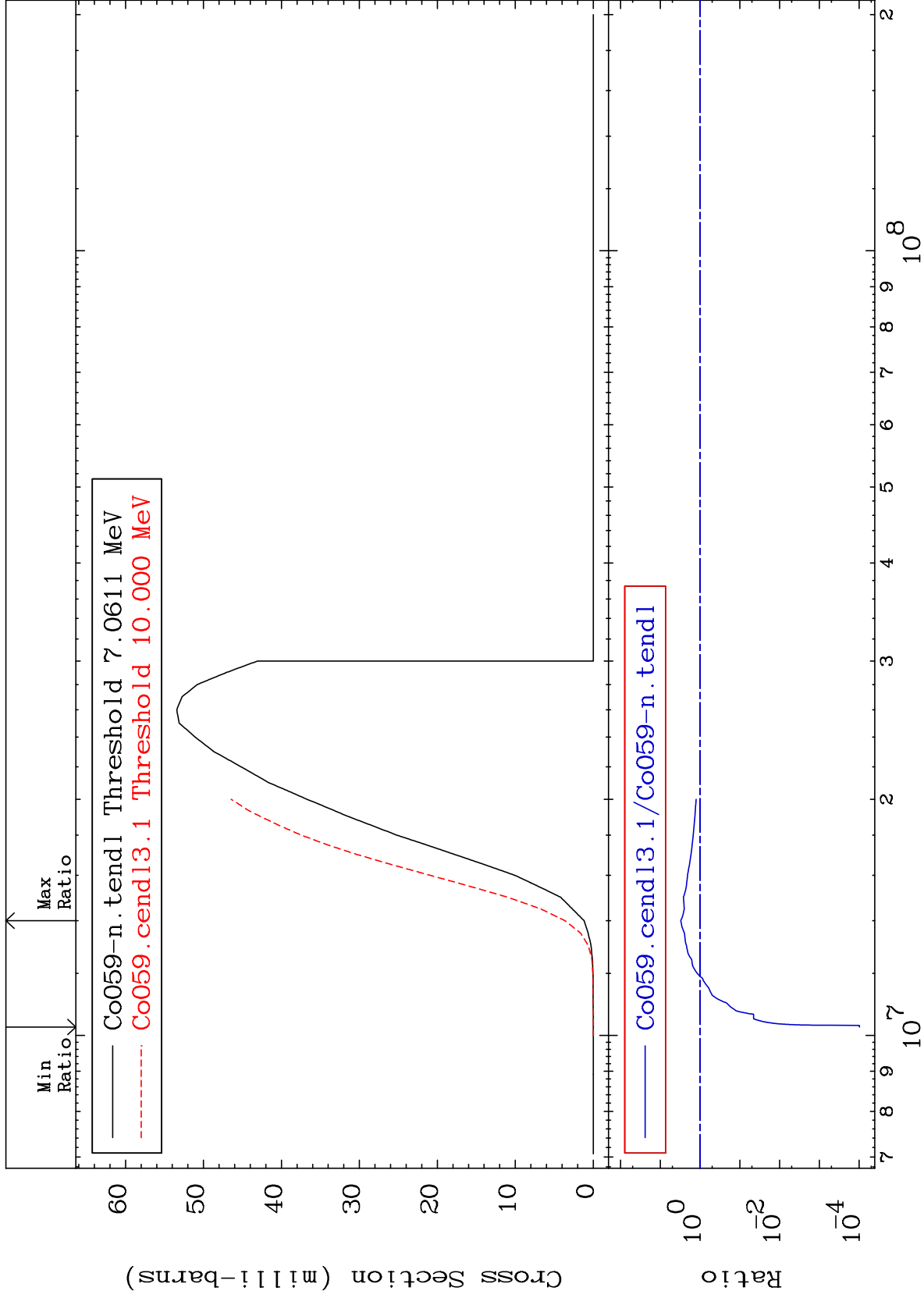
27-Co-59

27-Co-59

MAT 2725

(n,n') α
Cross Section

27-Co-59
-99.99 To 207.1 %



6

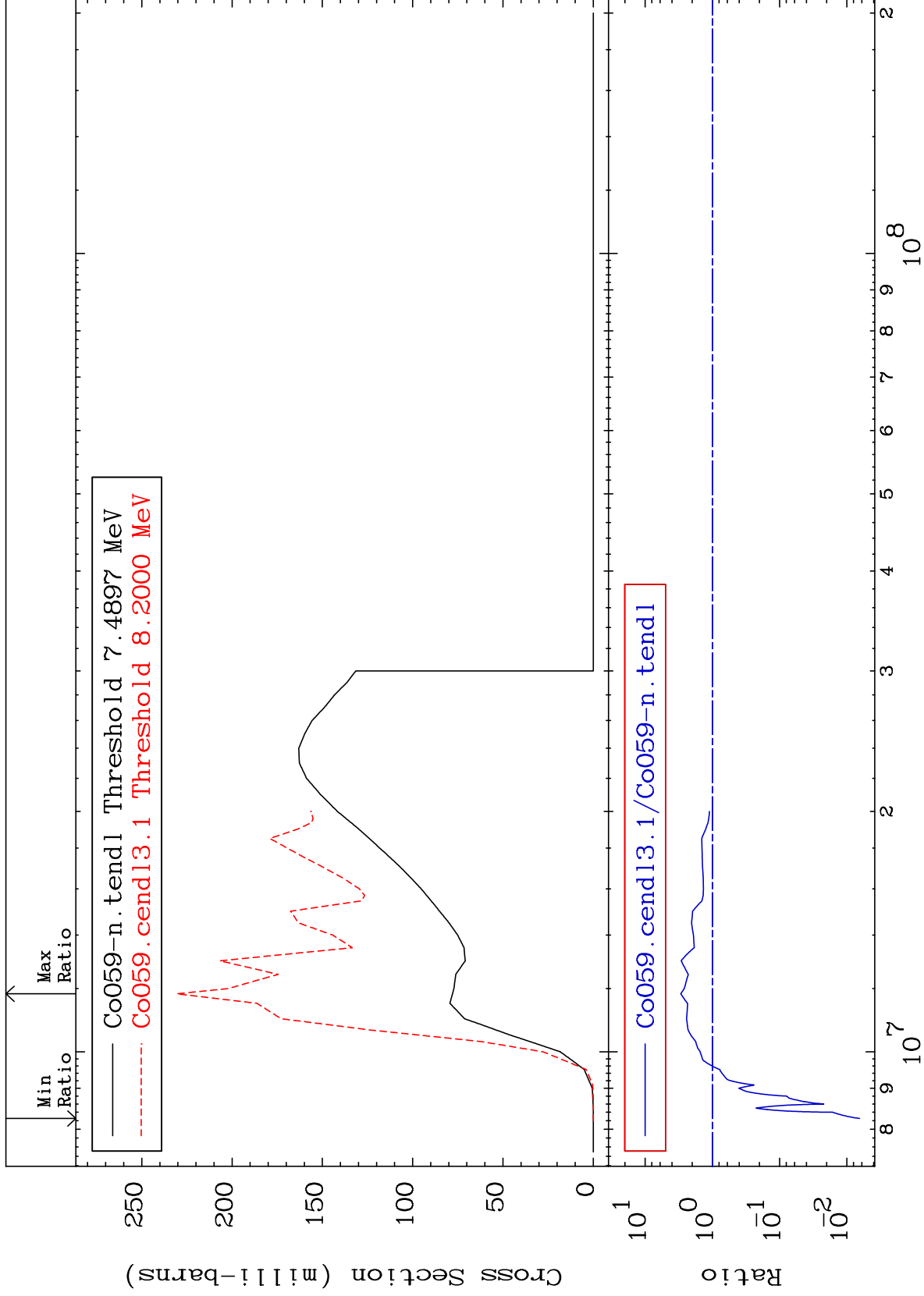
Incident Energy (eV)

27-Co-59

MAT 2725

(n,n') p
Cross Section

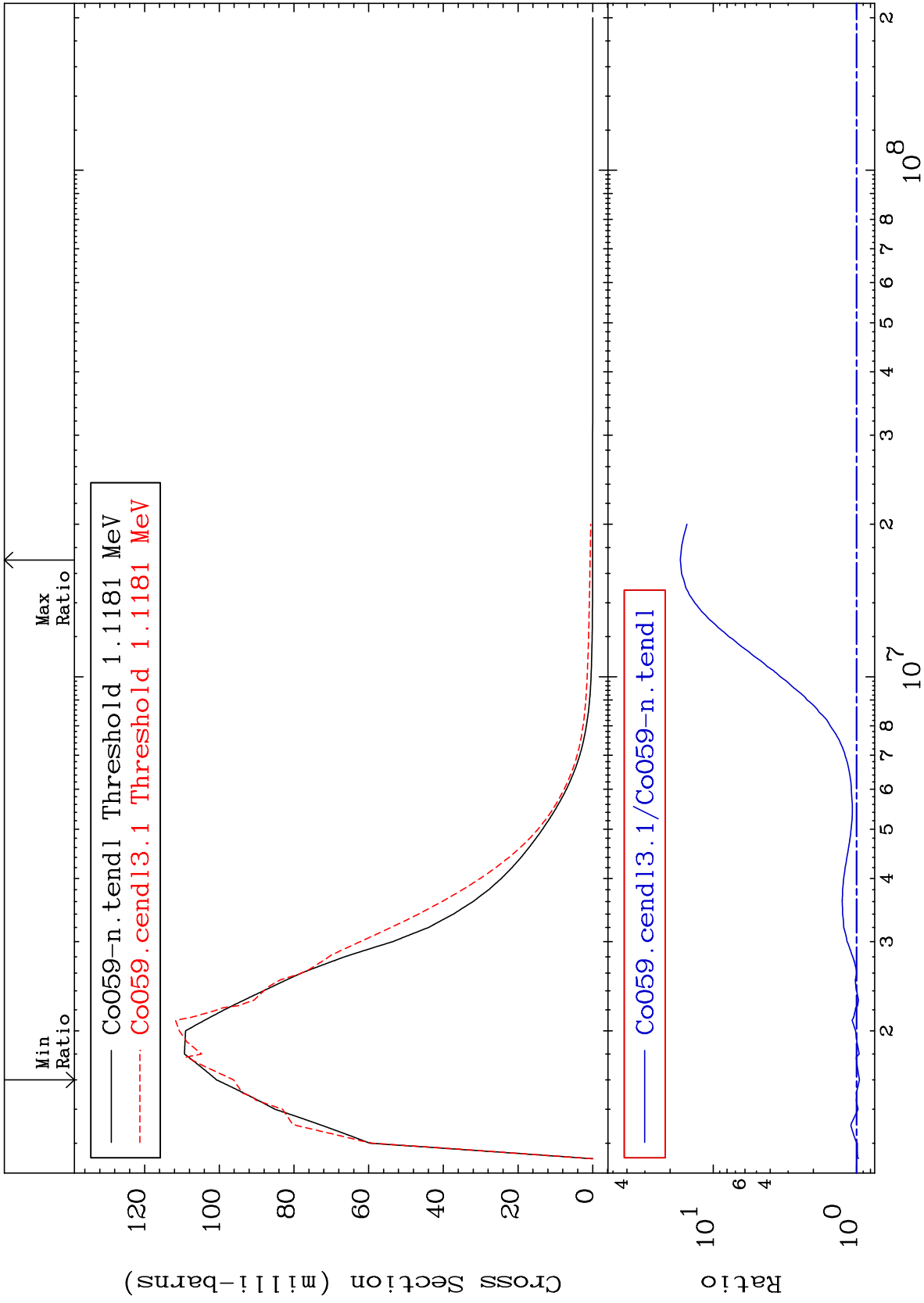
27-Co-59
-99.35 To 195.8 %



7

Incident Energy (eV)

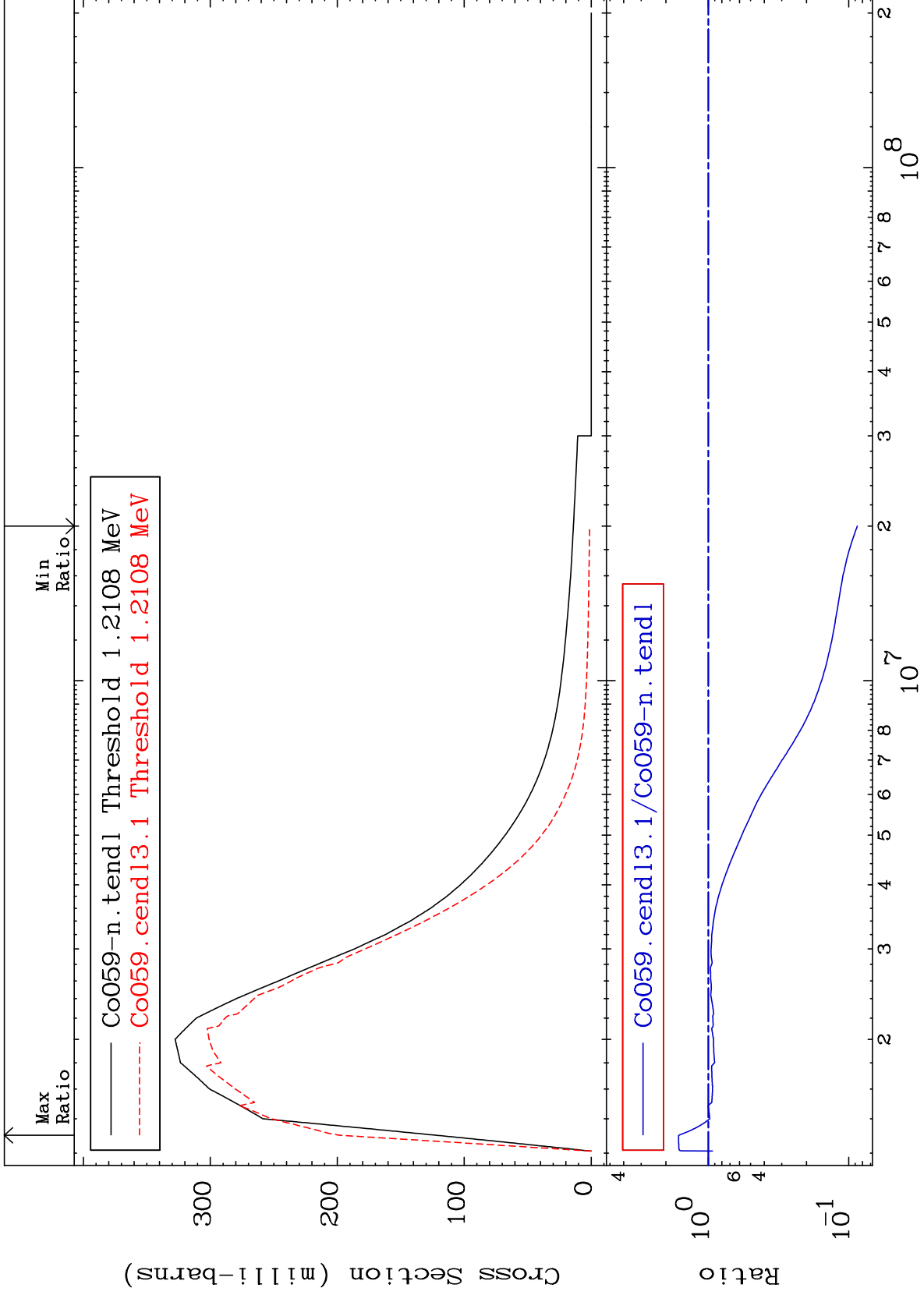
27-Co-59



MAT 2725

1.190 MeV (n,n') Level
Cross Section

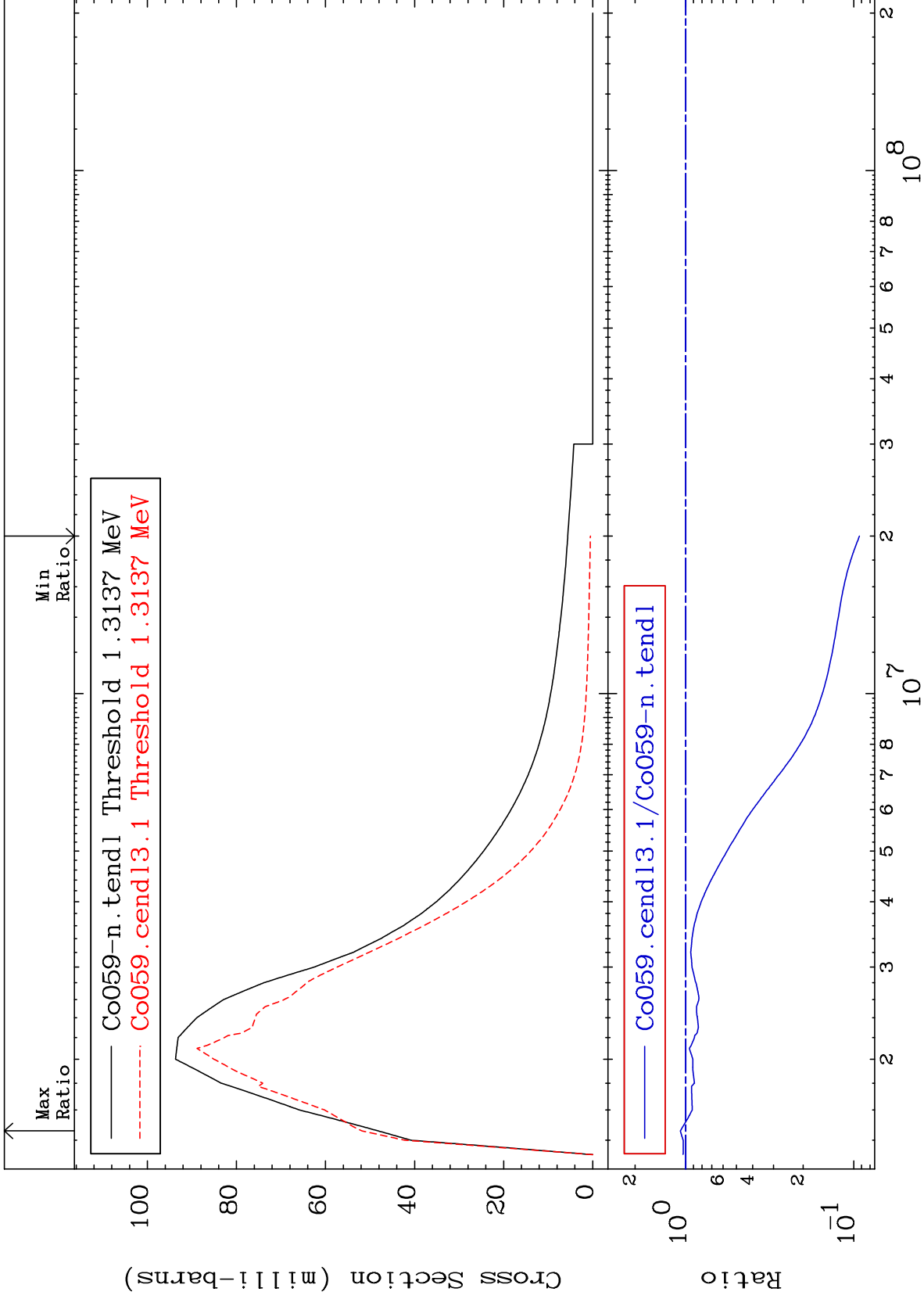
27-Co-59
-91.29 To 62.53 %



MAT 2725

1.292 MeV (n,n') Level
Cross Section

27-Co-59
-90.74 To 7.611 %



10

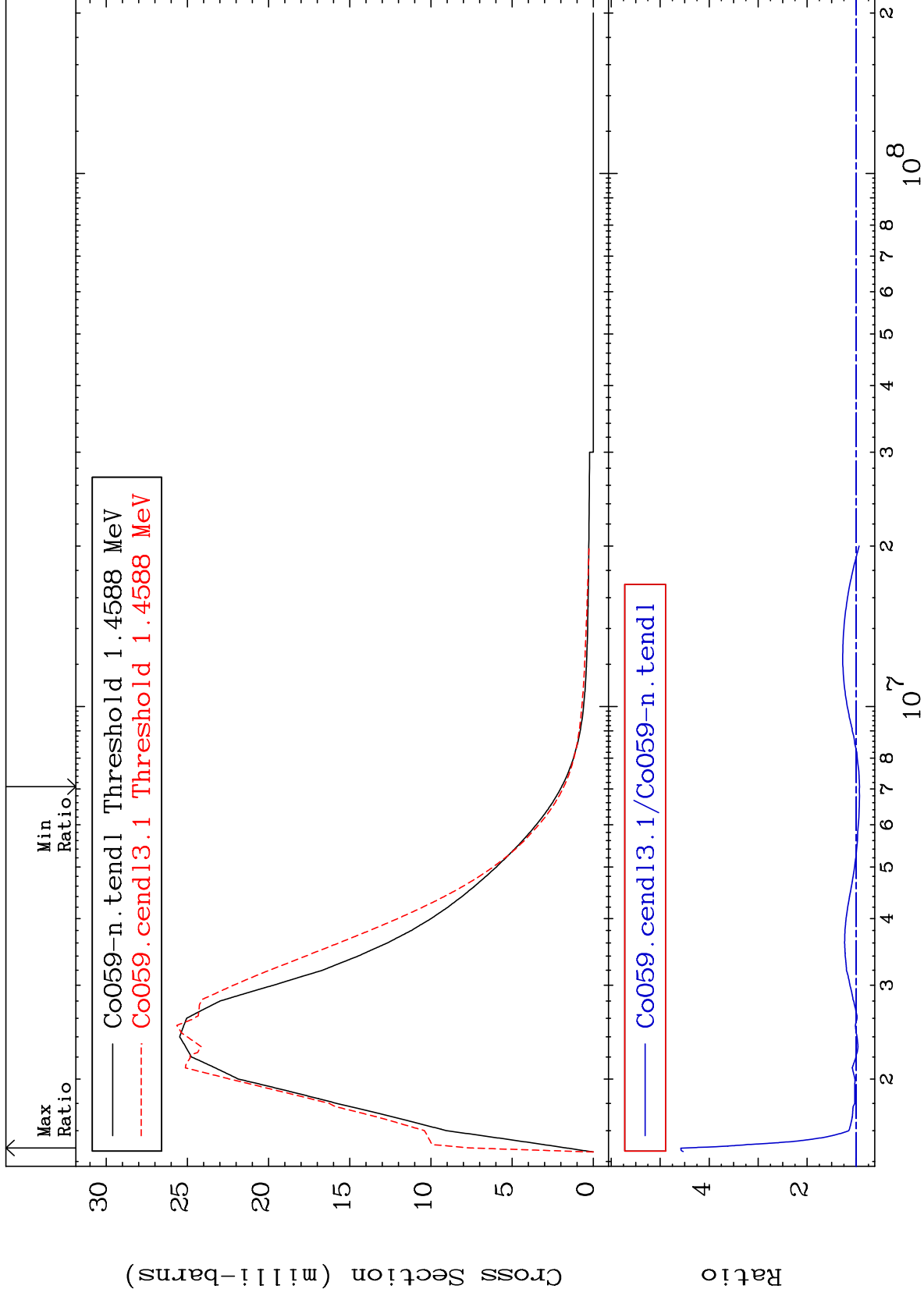
Incident Energy (eV)

27-Co-59

MAT 2725

1.434 MeV (n,n') Level
Cross Section

27-Co-59
-6.915 To 357.9 %



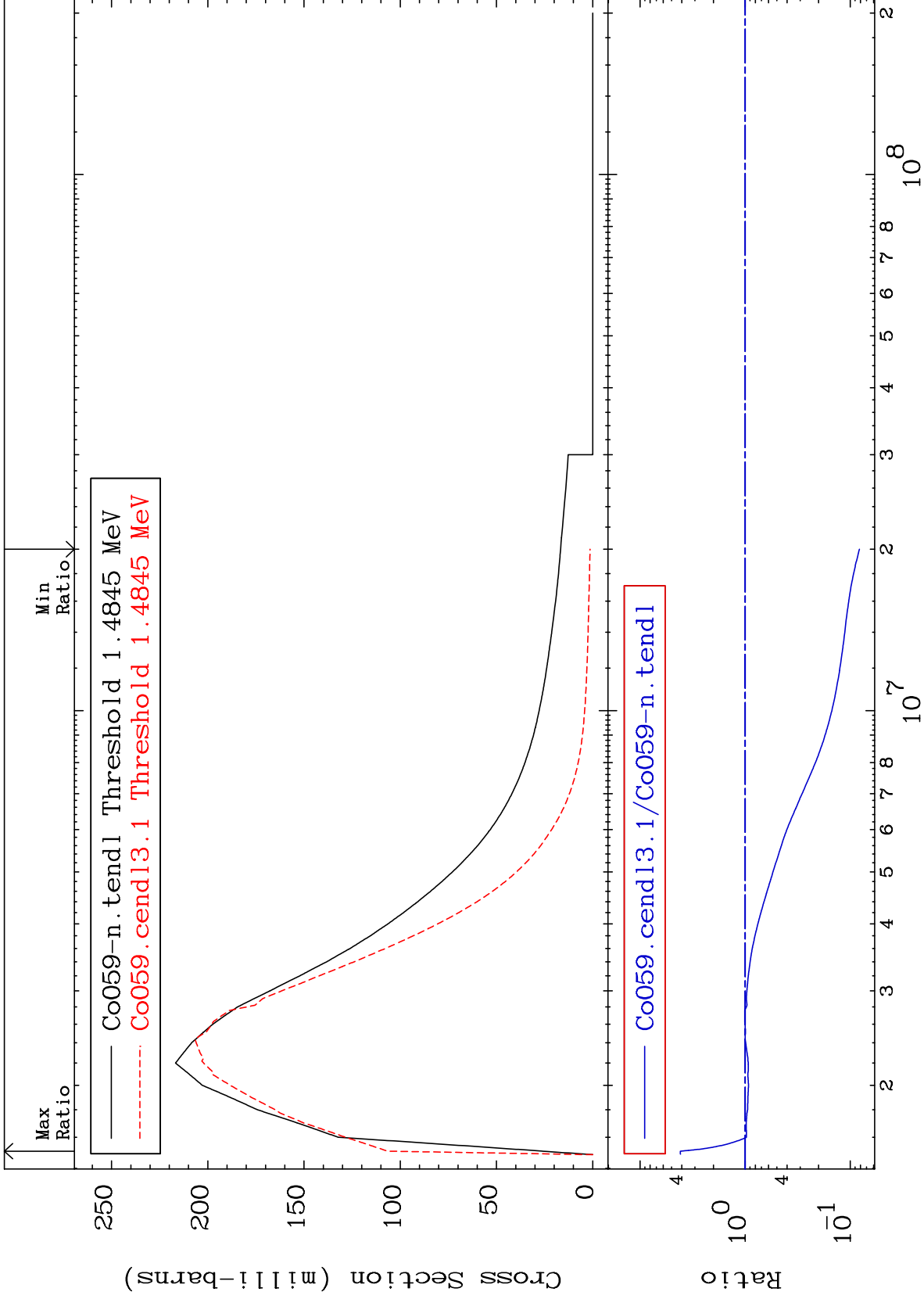
11

27-Co-59

MAT 2725

1.460 MeV (n,n') Level
Cross Section

27-Co-59
-91.82 To 313.1 %



12

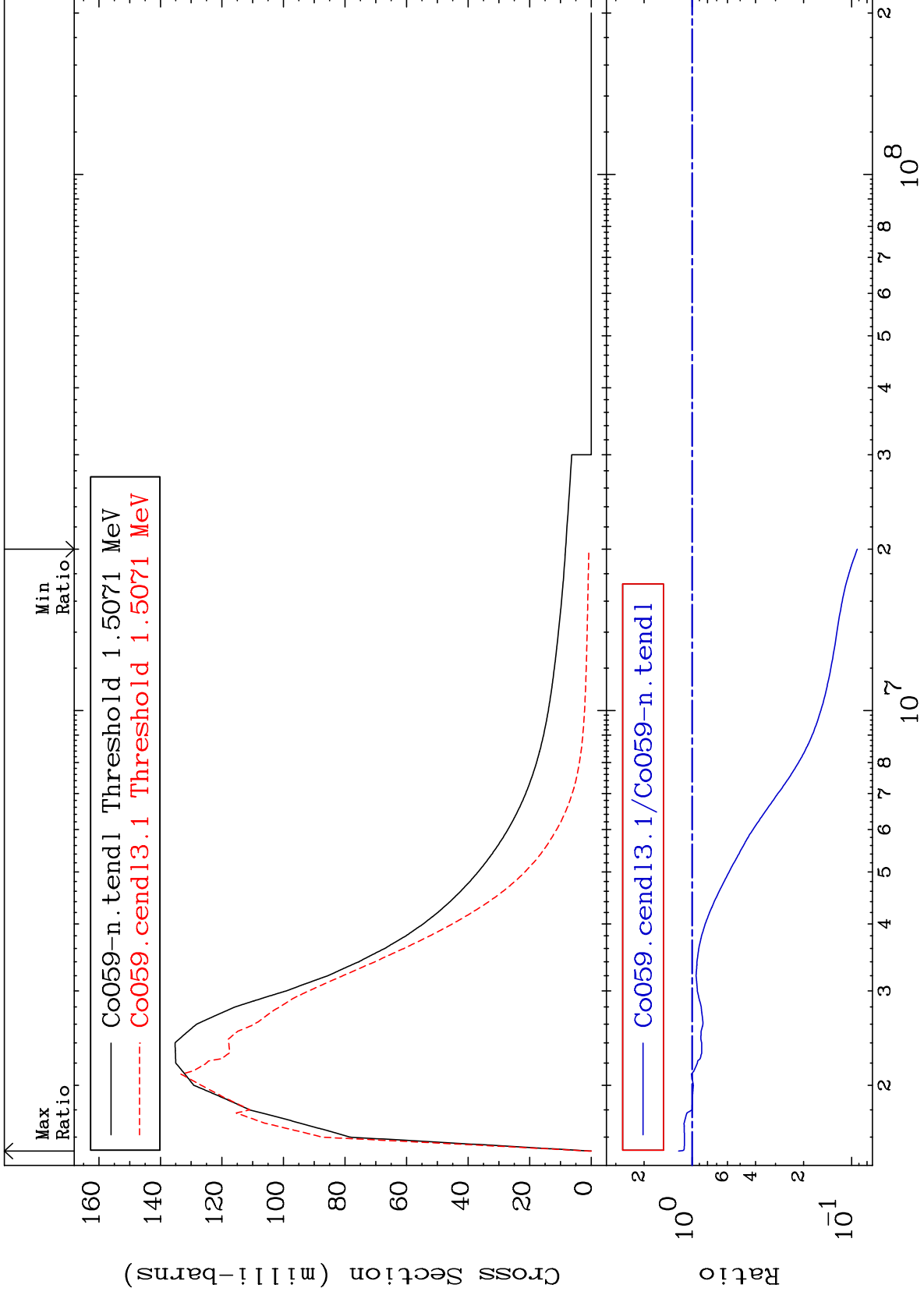
Incident Energy (eV)

27-Co-59

MAT 2725

1.482 MeV (n,n') Level
Cross Section

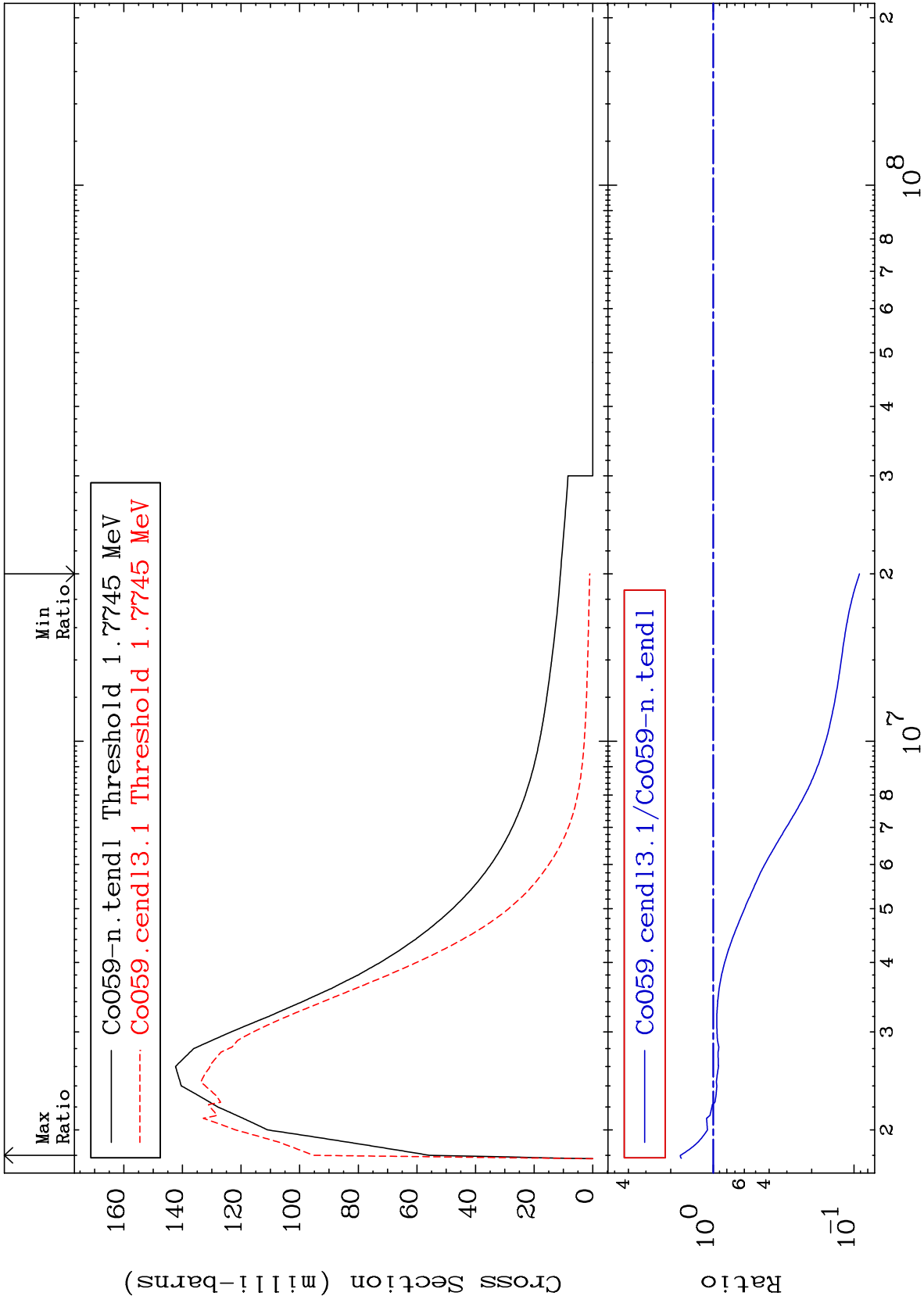
27-Co-59
-90.78 To 21.29 %



MAT 2725

1.745 MeV (n,n') Level
Cross Section

27-Co-59
-90.84 To 70.96 %



14

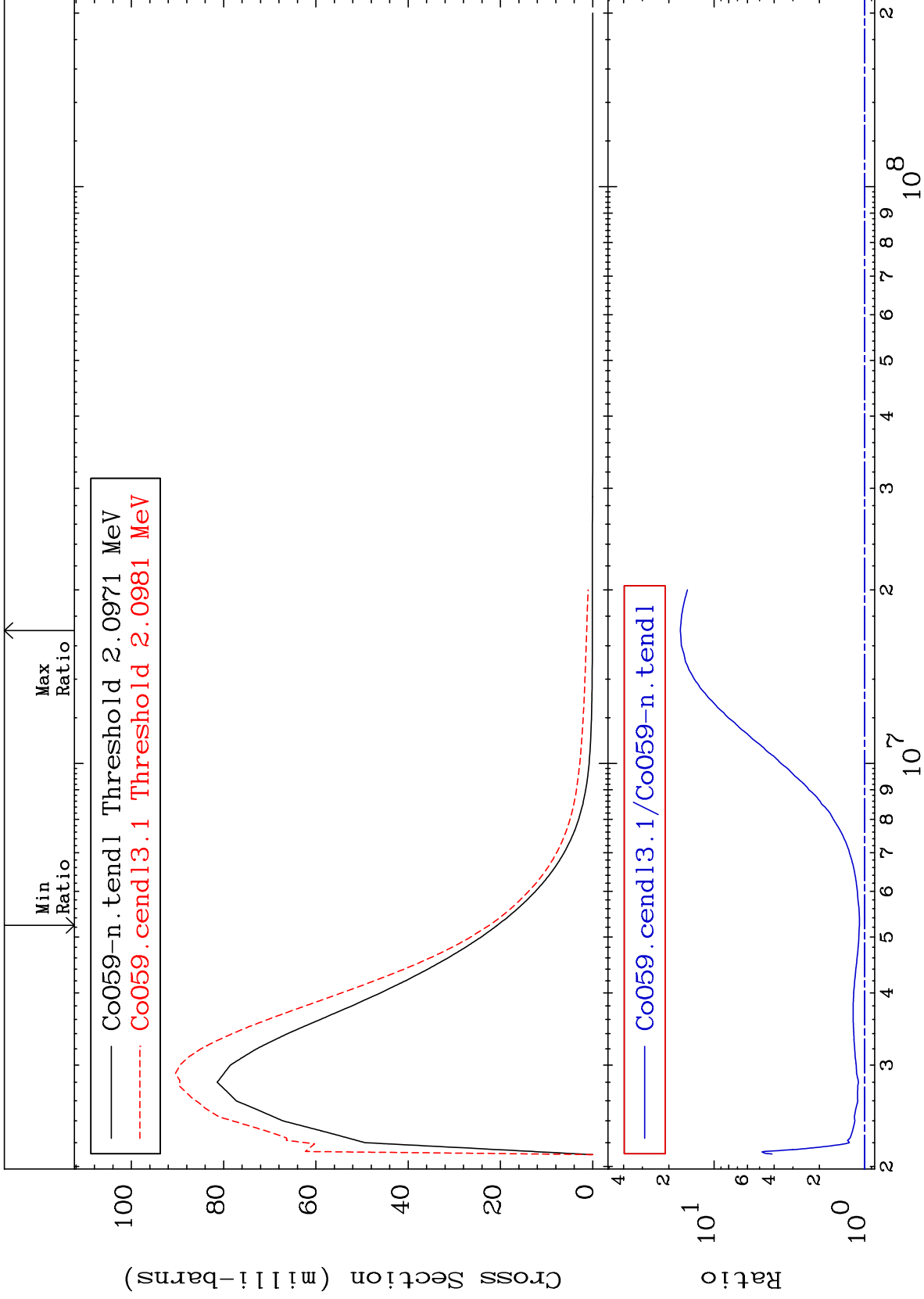
Incident Energy (eV)

27-Co-59

MAT 2725

2.062 MeV (n,n') Level
Cross Section

27-Co-59
8.357 To 1576. %



15

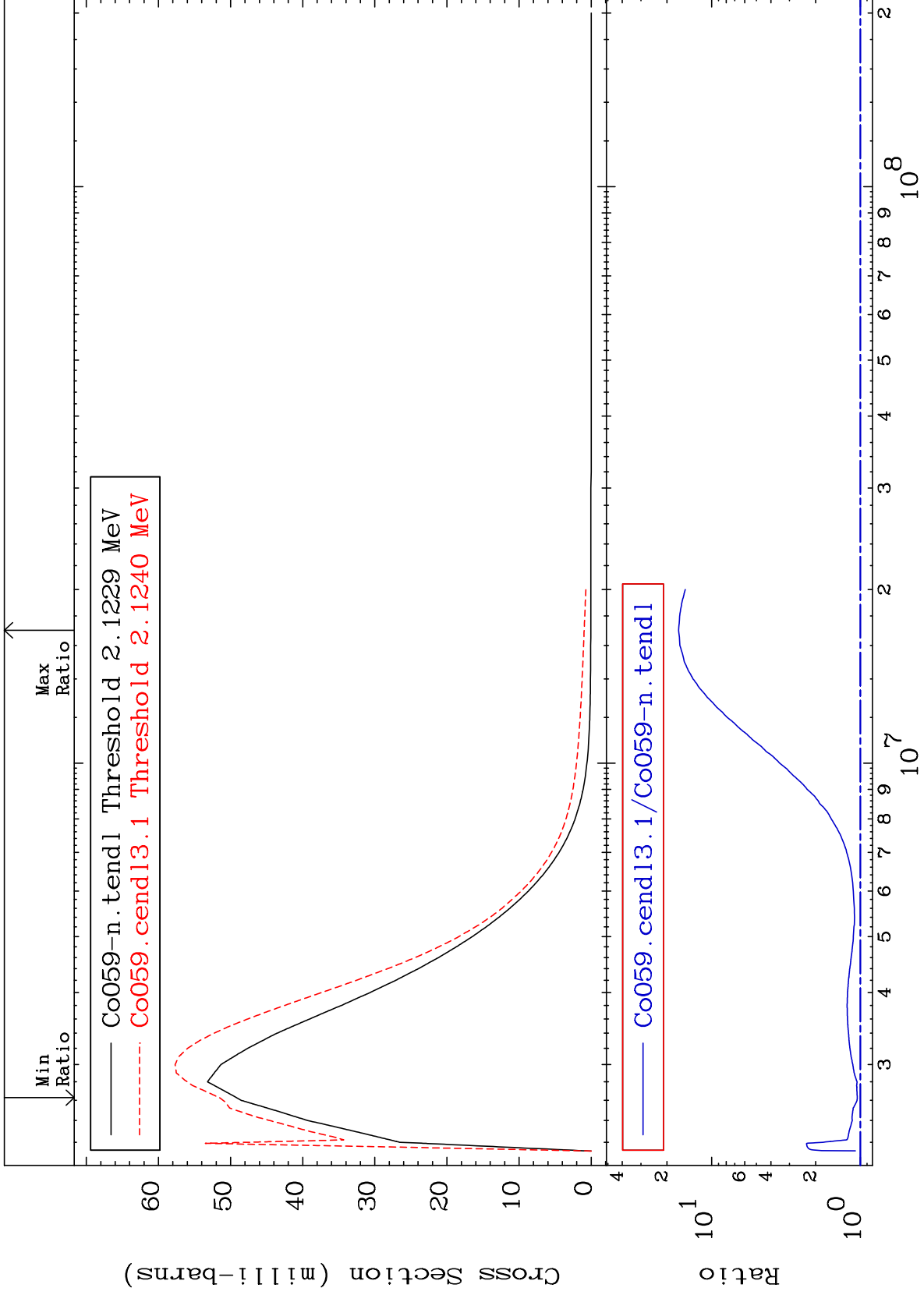
27-Co-59

27-Co-59

MAT 2725

2.087 MeV (n,n') Level
Cross Section

27-Co-59
4.855 To 1570. %

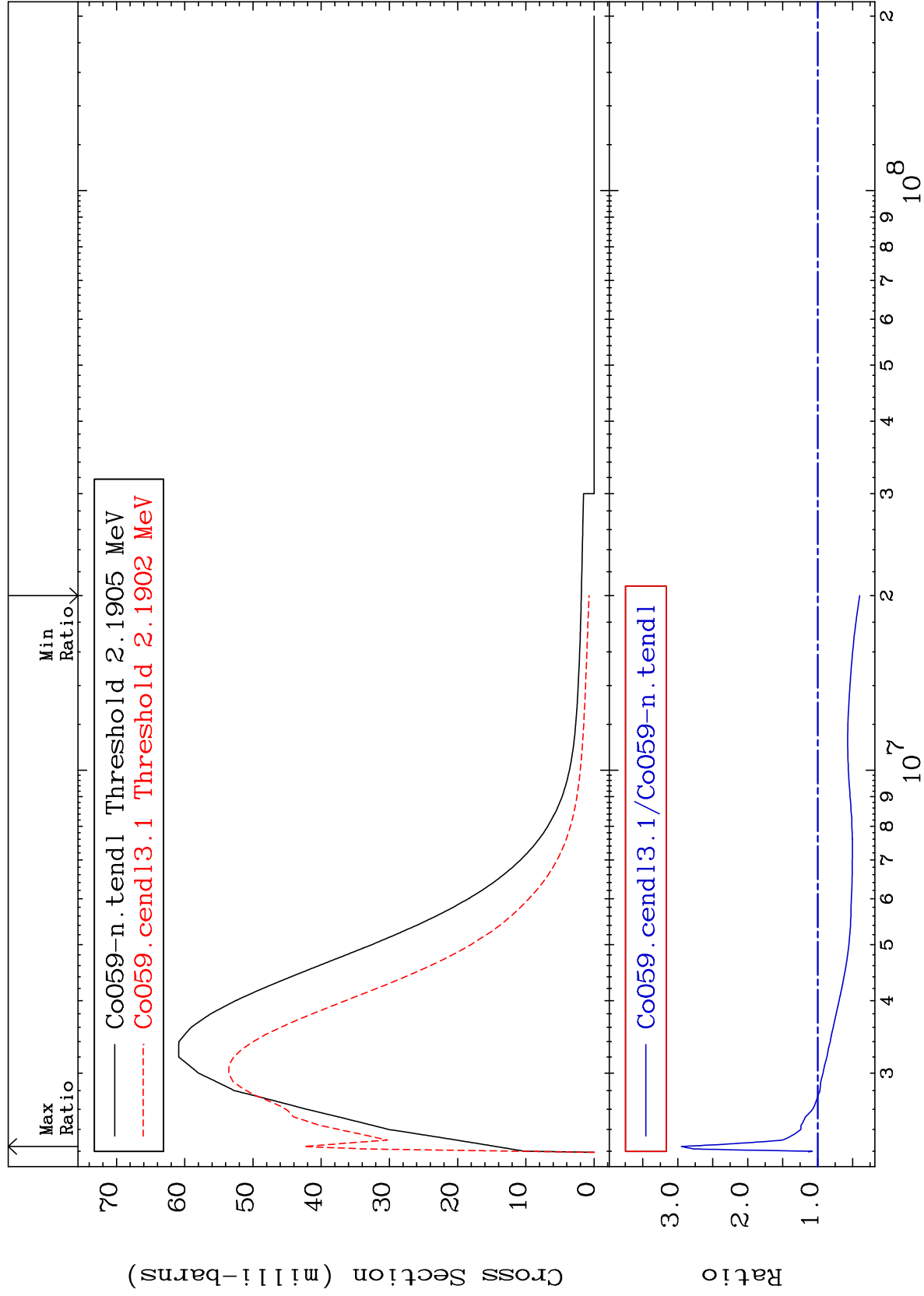


MAT 2725

2.154 MeV (n,n') Level

²⁷Co-59

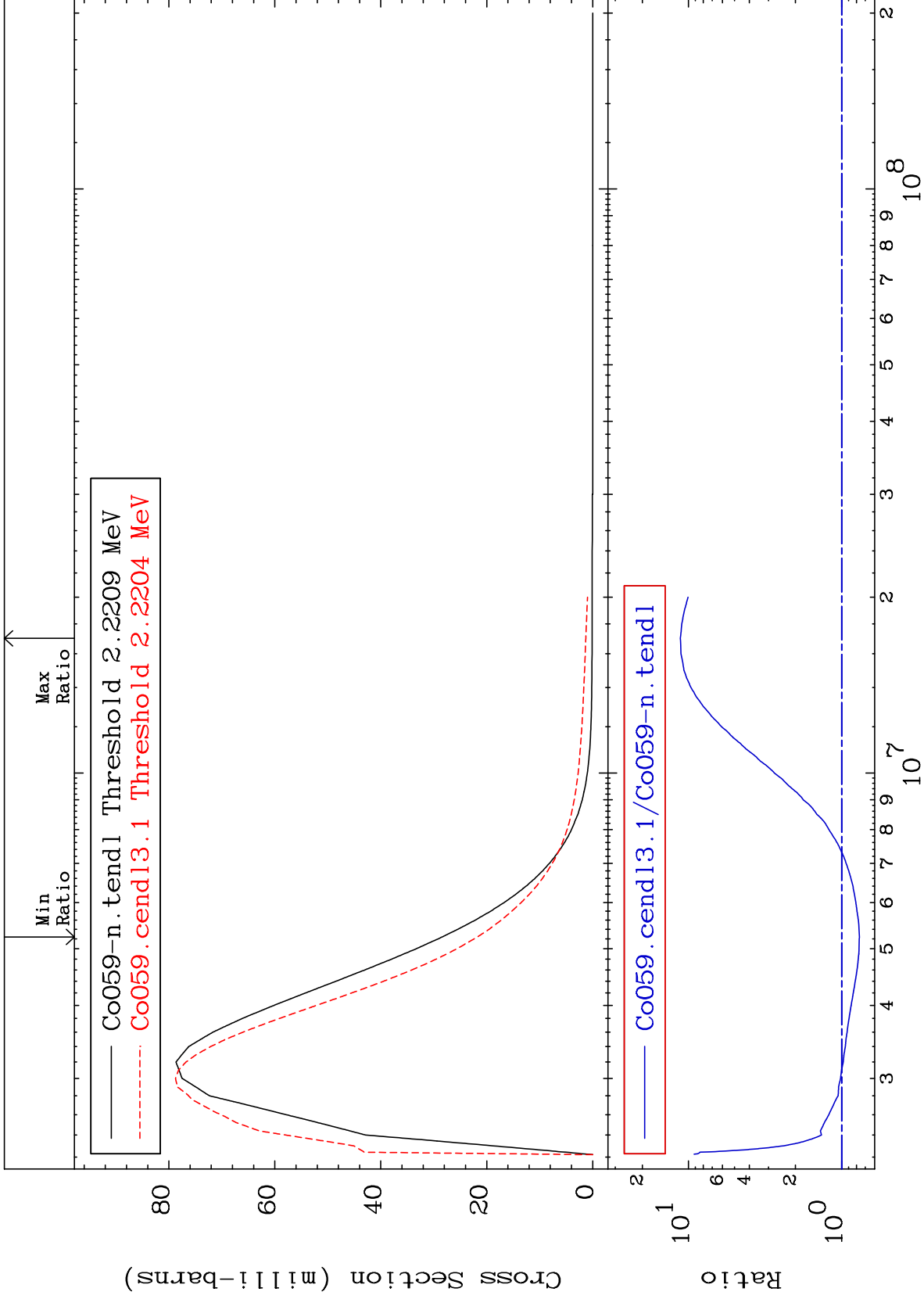
-60.10 To 194.8 %



17

Incident Energy (eV)

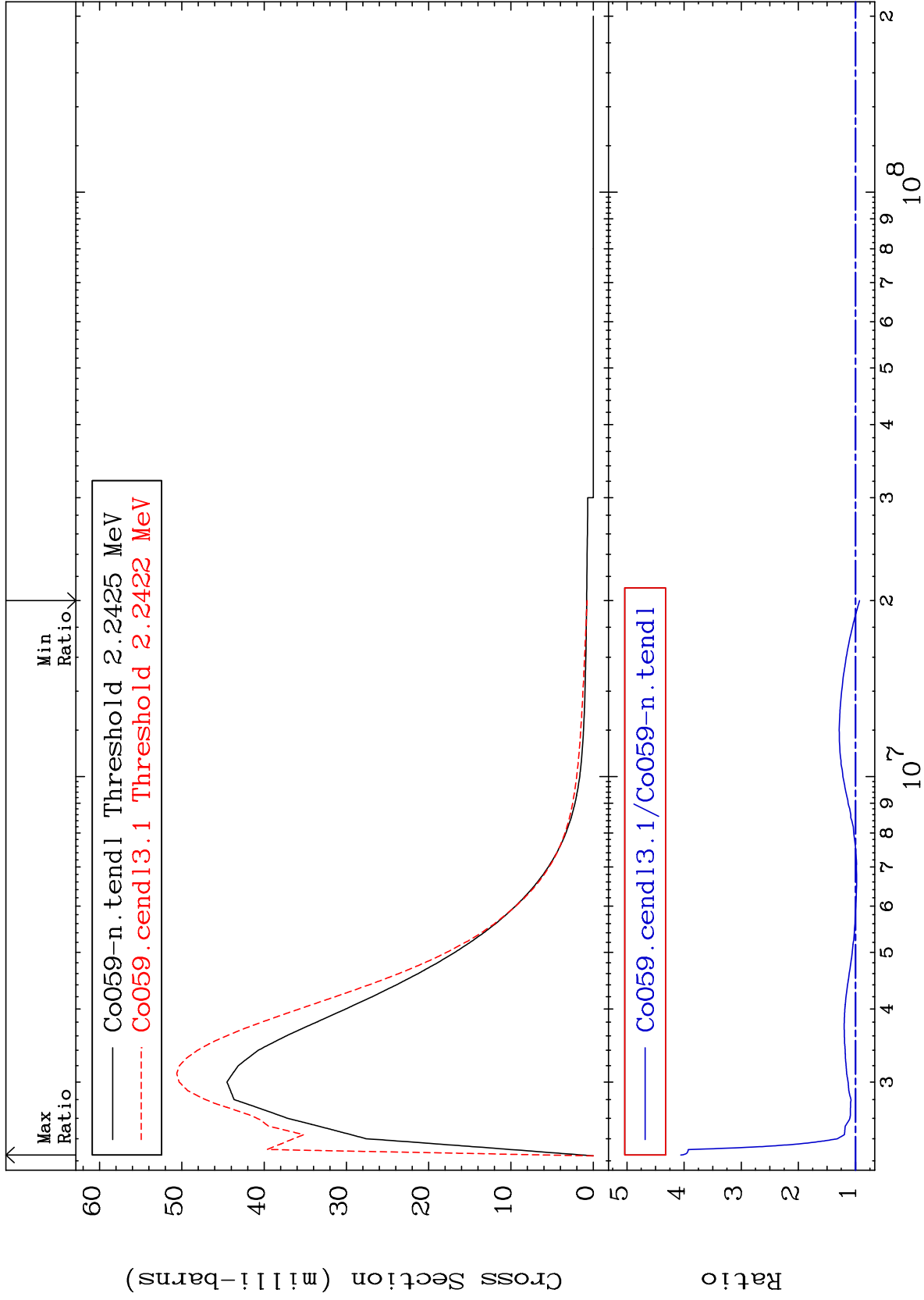
²⁷Co-59



MAT 2725

2.205 MeV (n,n') Level
Cross Section

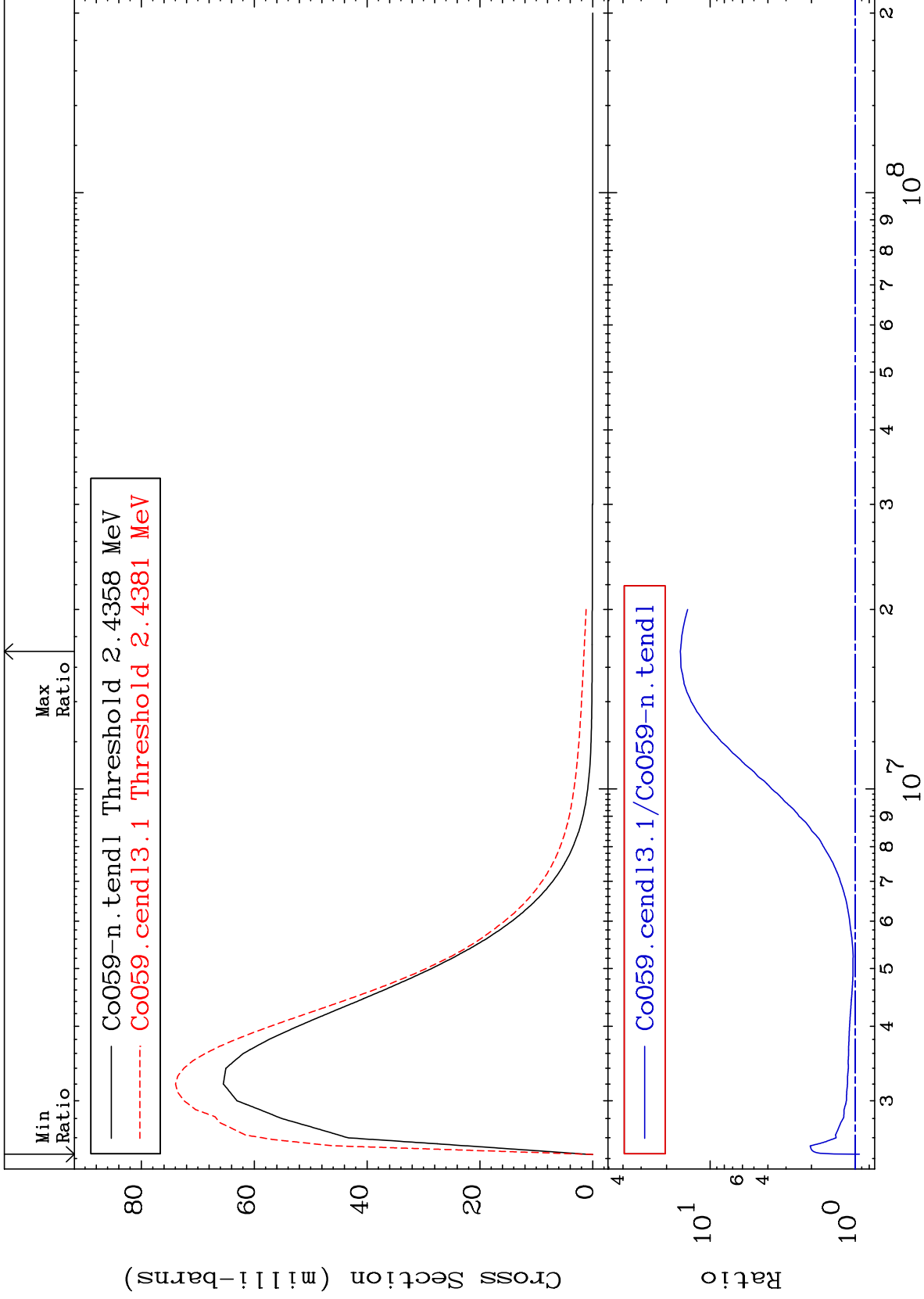
27-Co-59
-6.970 To 305.8 %



MAT 2725

2.395 MeV (n,n') Level
Cross Section

27-Co-59
-6.555 To 1506. %



20

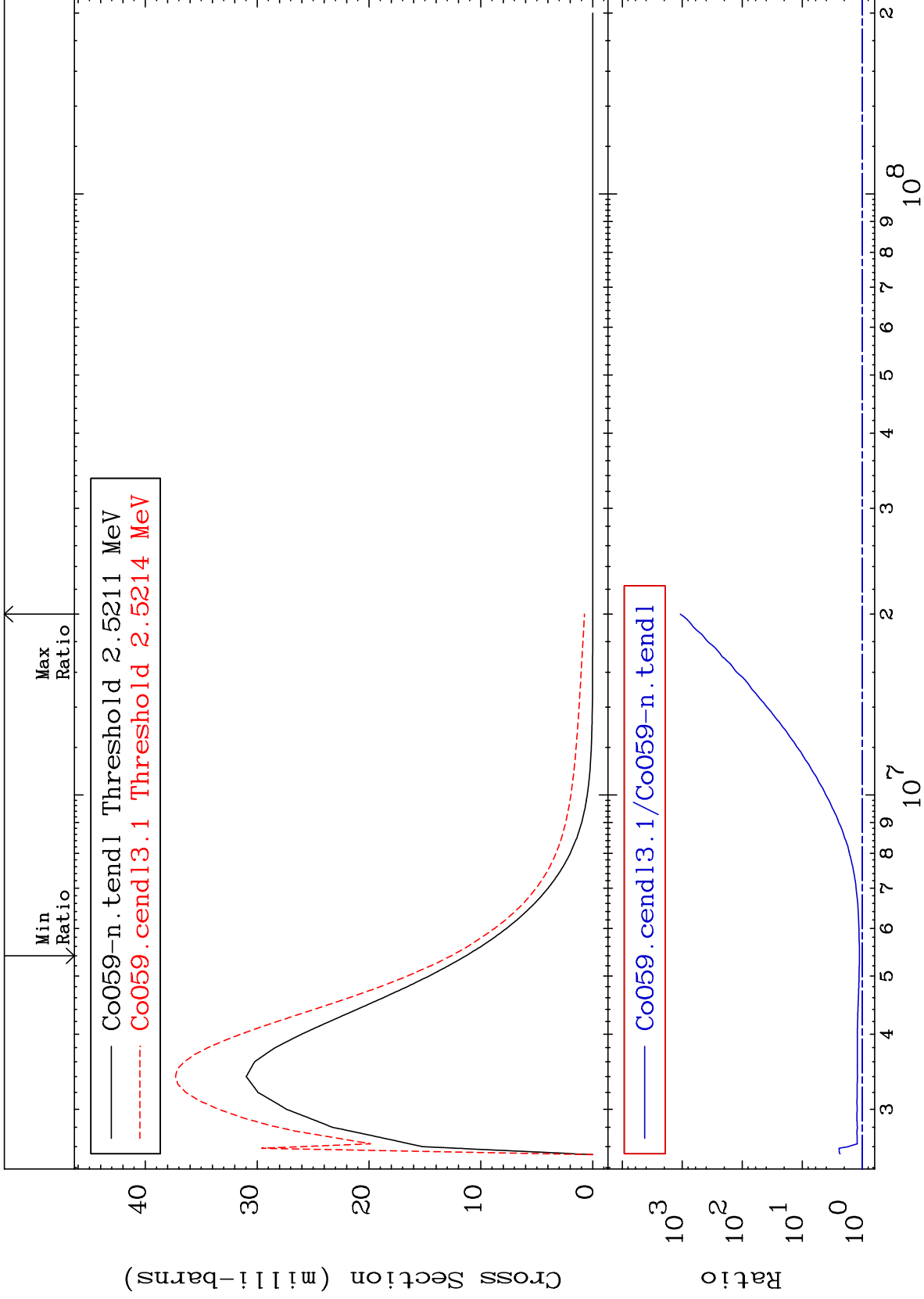
Incident Energy (eV)

27-Co-59

MAT 2725

2.479 MeV (n,n') Level
Cross Section

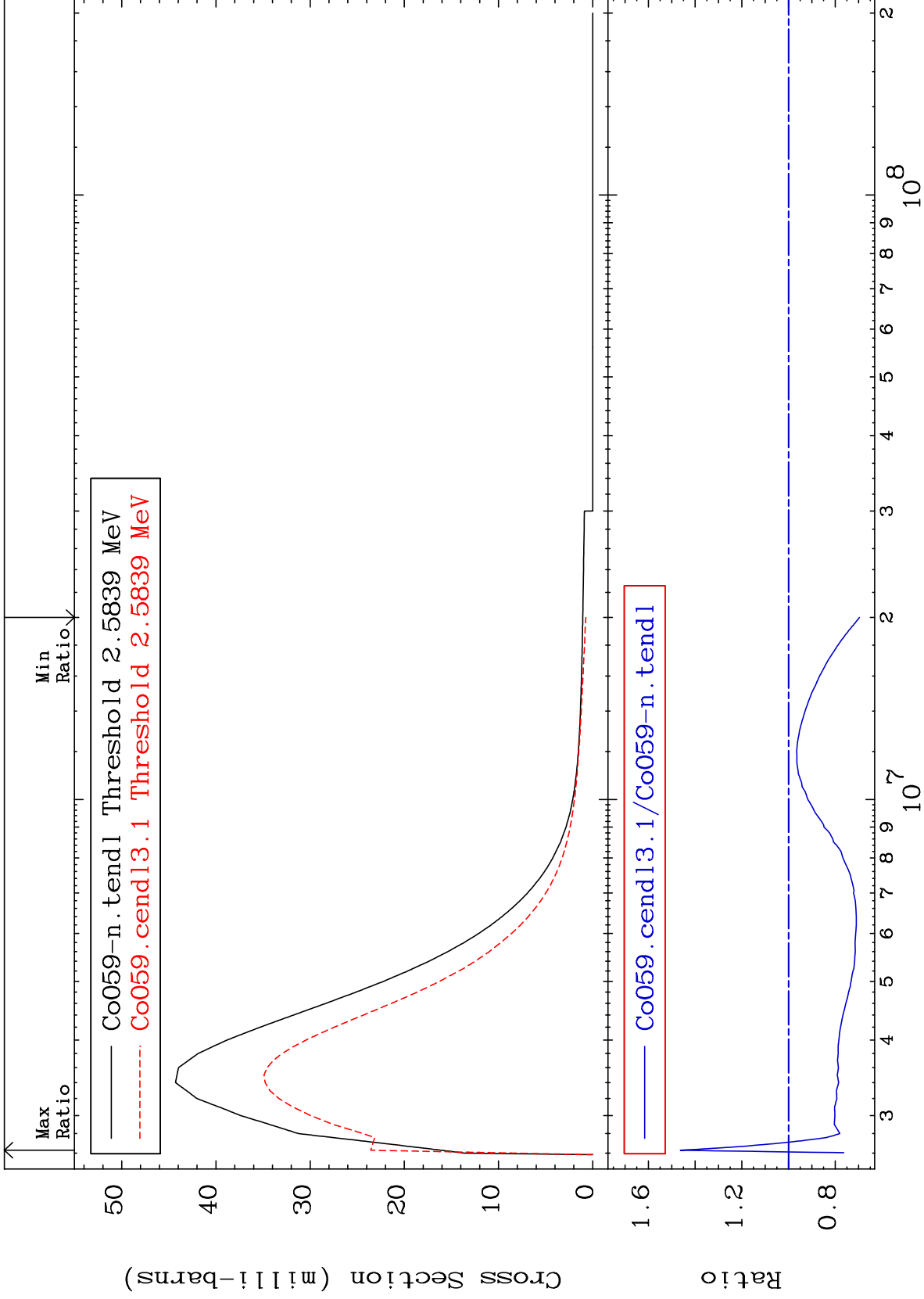
27-Co-59
11.69 To 9999. %



MAT 2725

2.540 MeV (n,n') Level
Cross Section

27-Co-59
-30.39 To 46.31 %



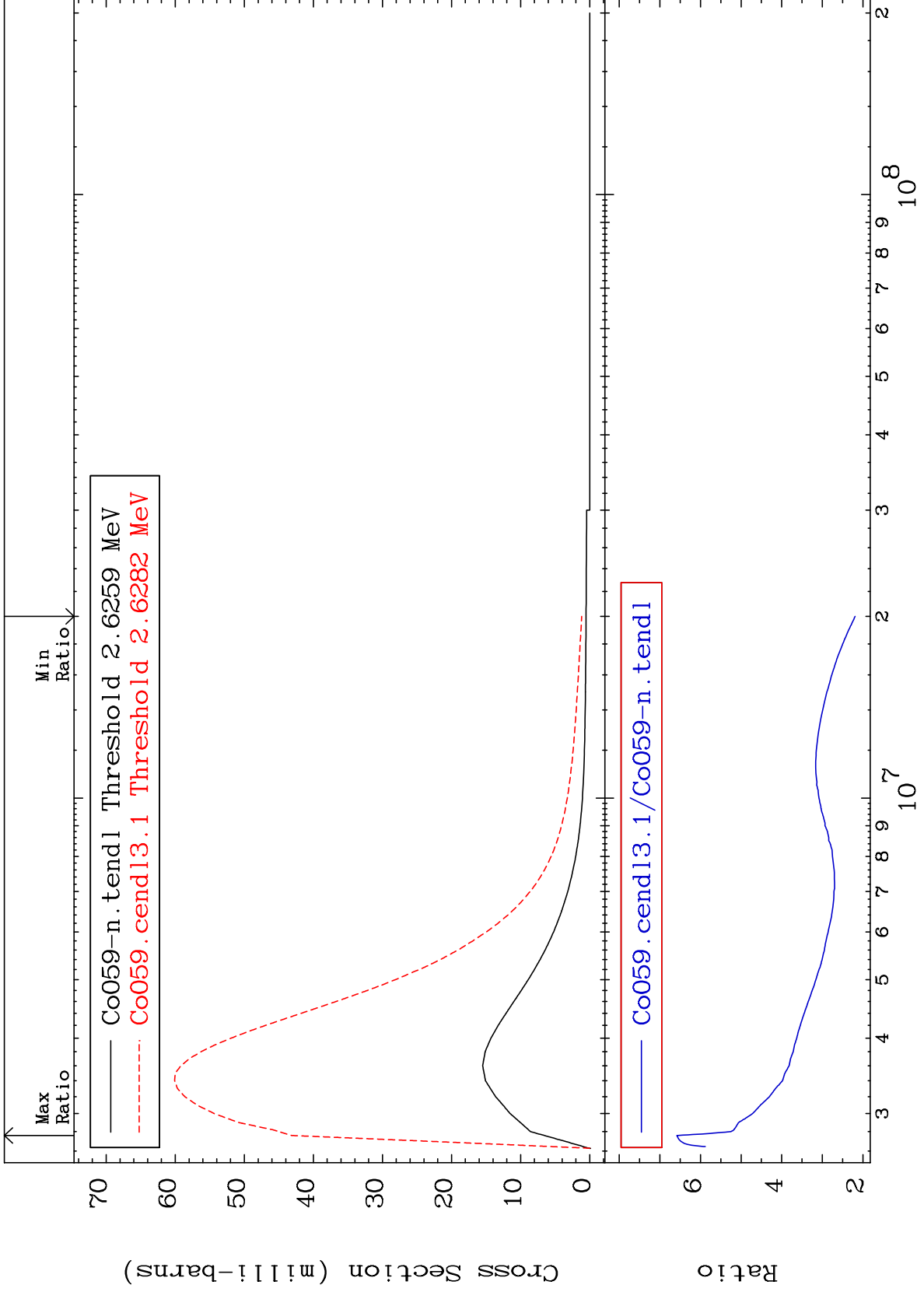
22

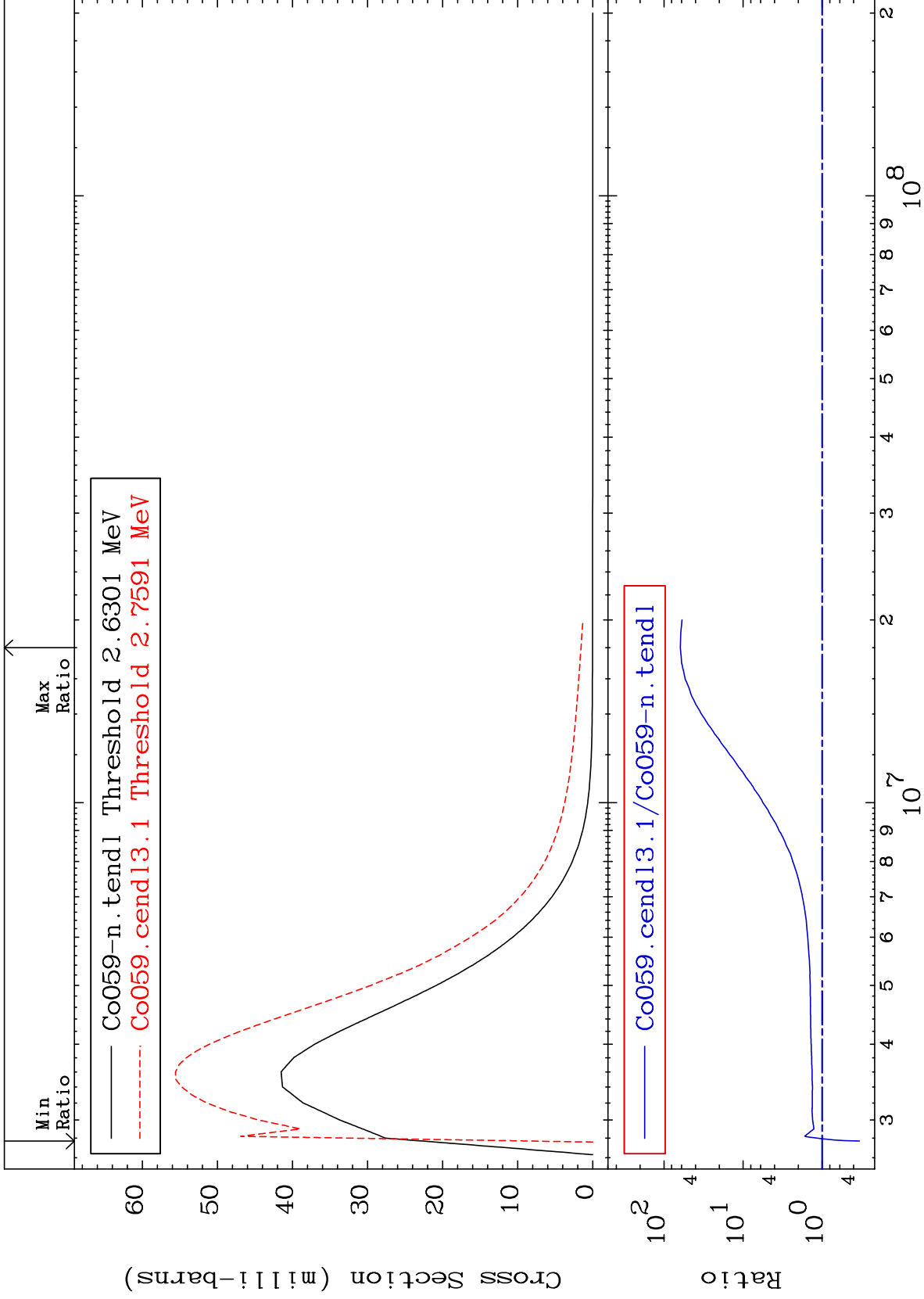
27-Co-59

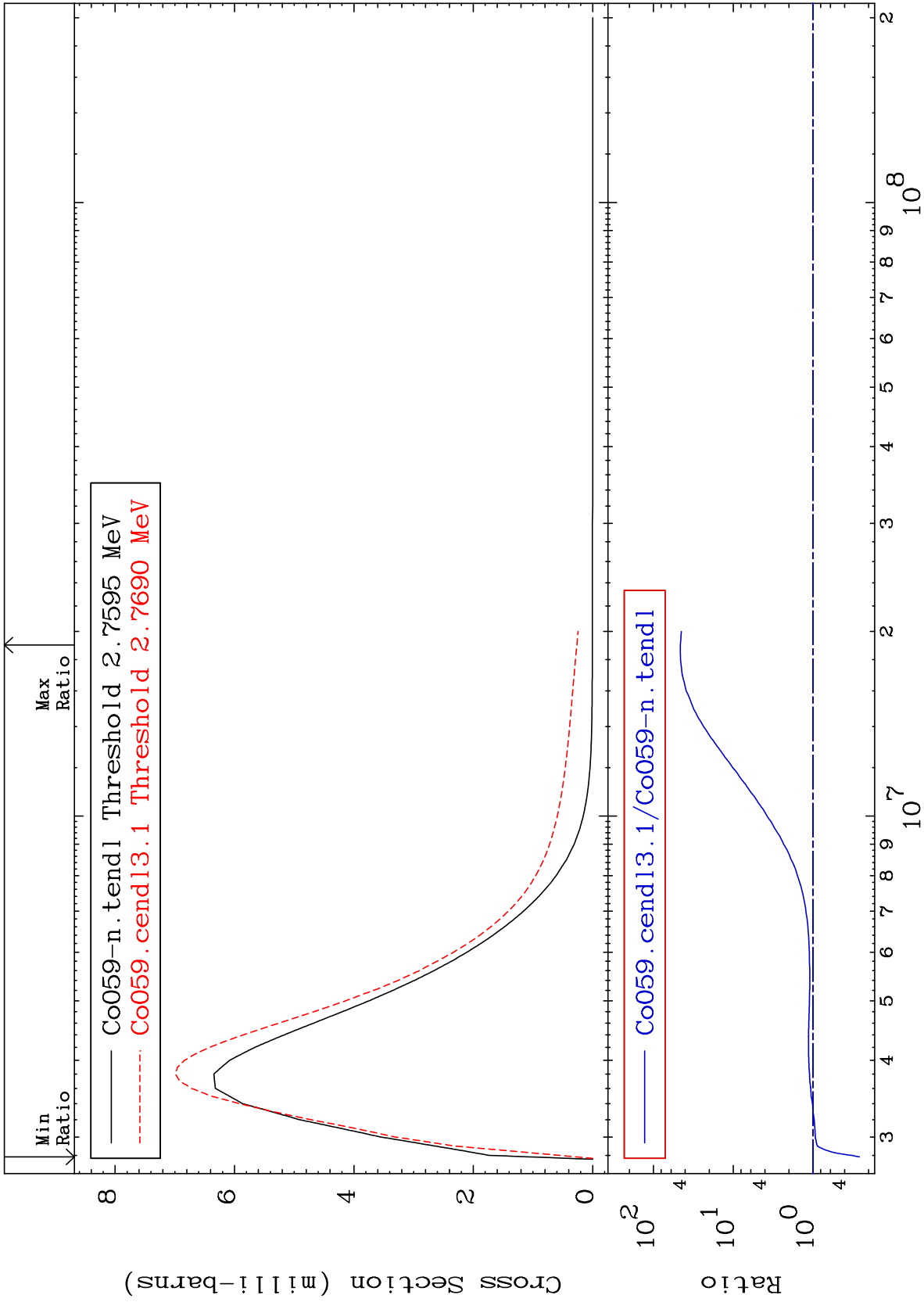
MAT 2725

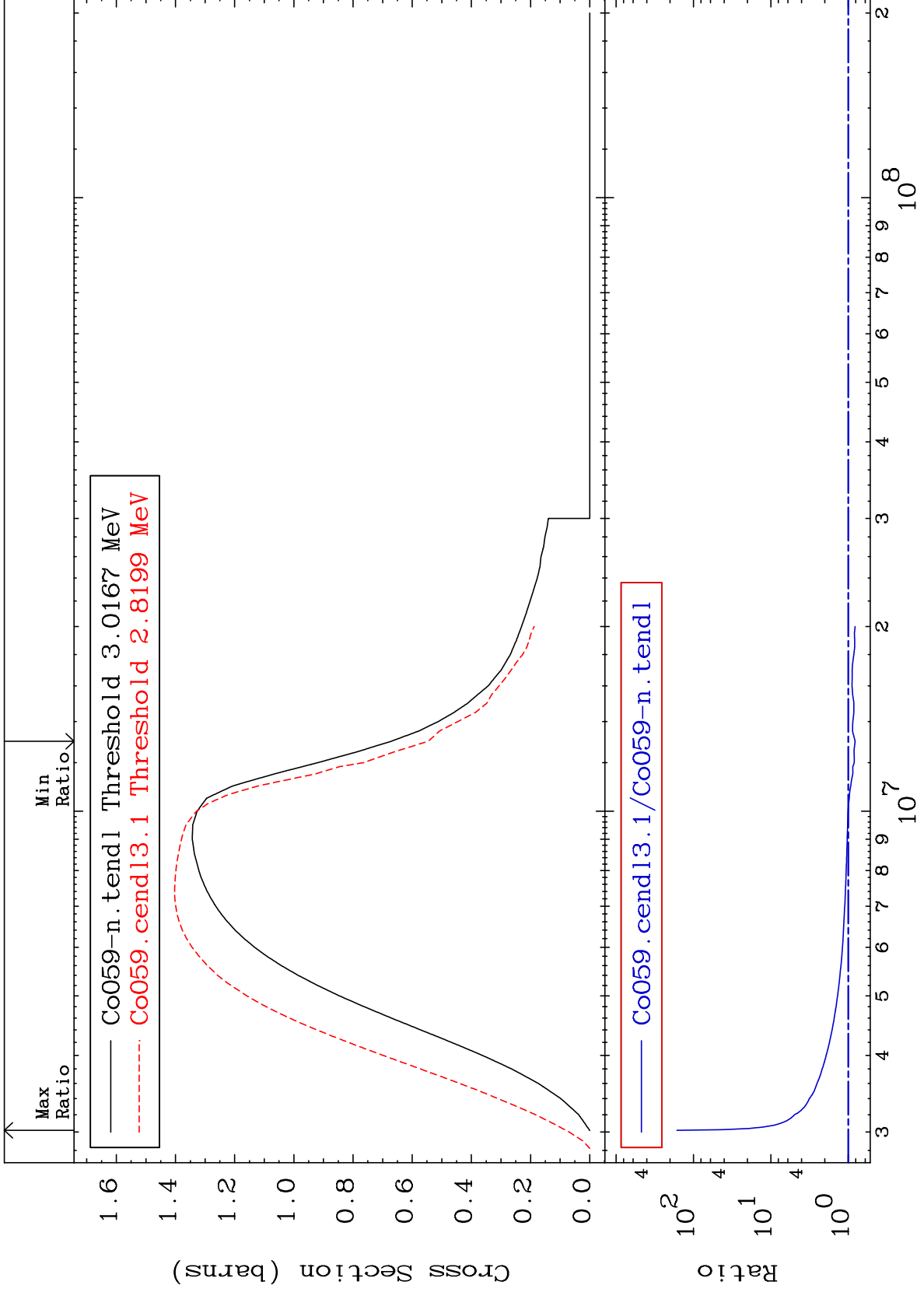
2.582 MeV (n,n') Level
Cross Section

27-Co-59
119.5 To 557.9 %









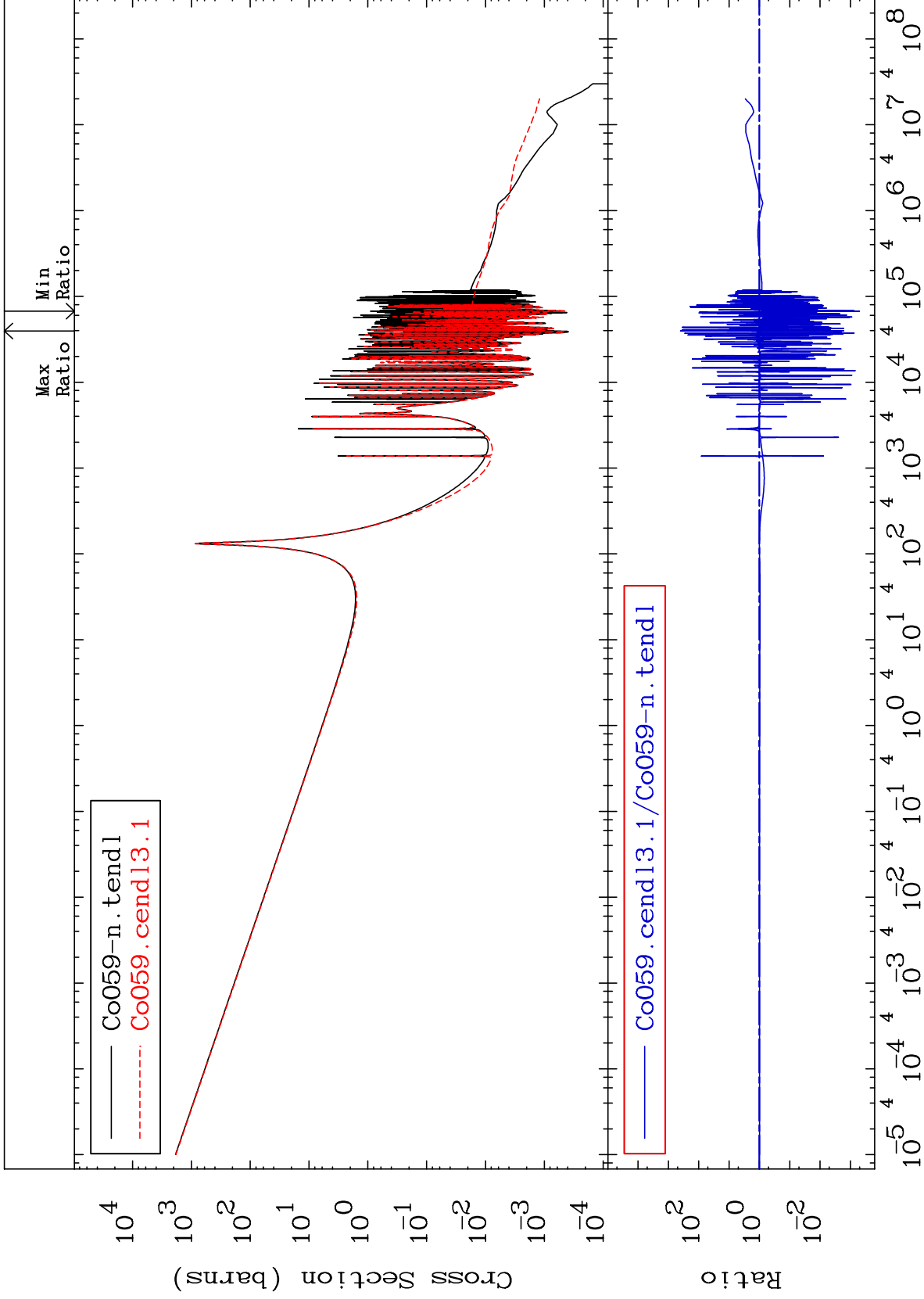
MAT 2725

(n, γ)

27-Co-59

Cross Section

-99.95 To 9999. %



27

Incident Energy (eV)

27-Co-59

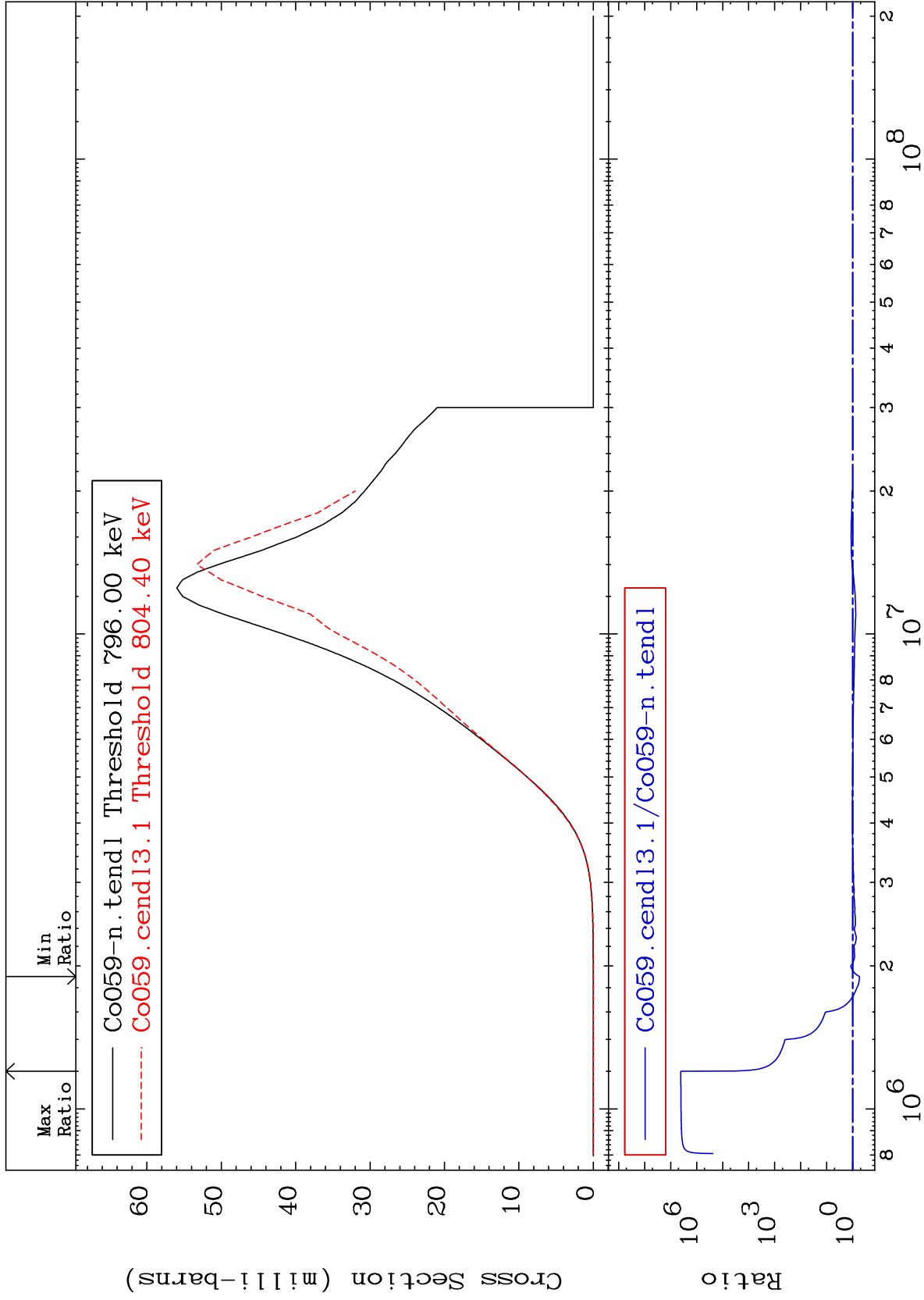
MAT 2725

(n,p)

27-Co-59

Cross Section

-45.43 To 9999. %



28

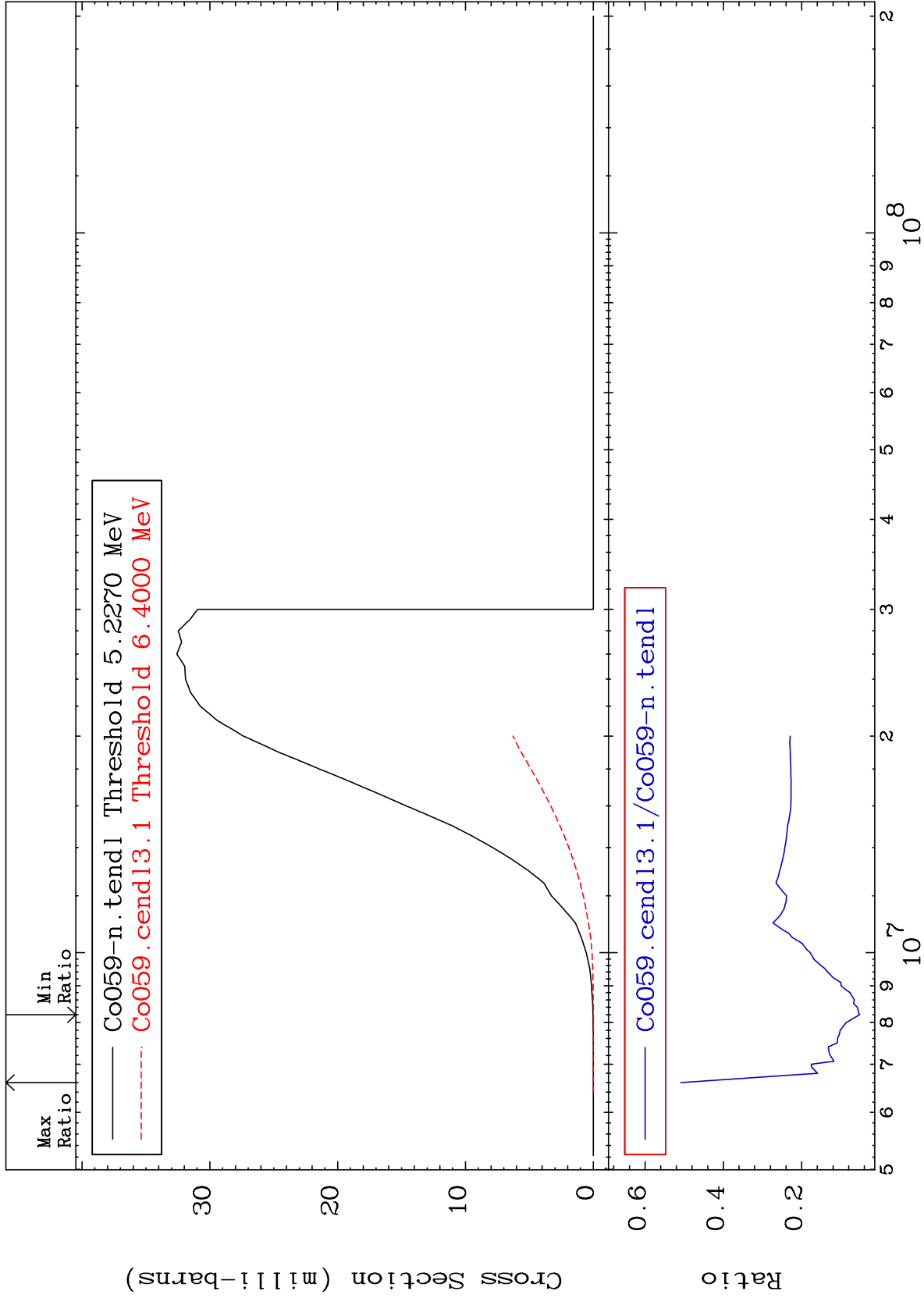
Incident Energy (eV)

27-Co-59

MAT 2725

(n, d)
Cross Section

²⁷Co-59
-94.78 To -49.11%



29

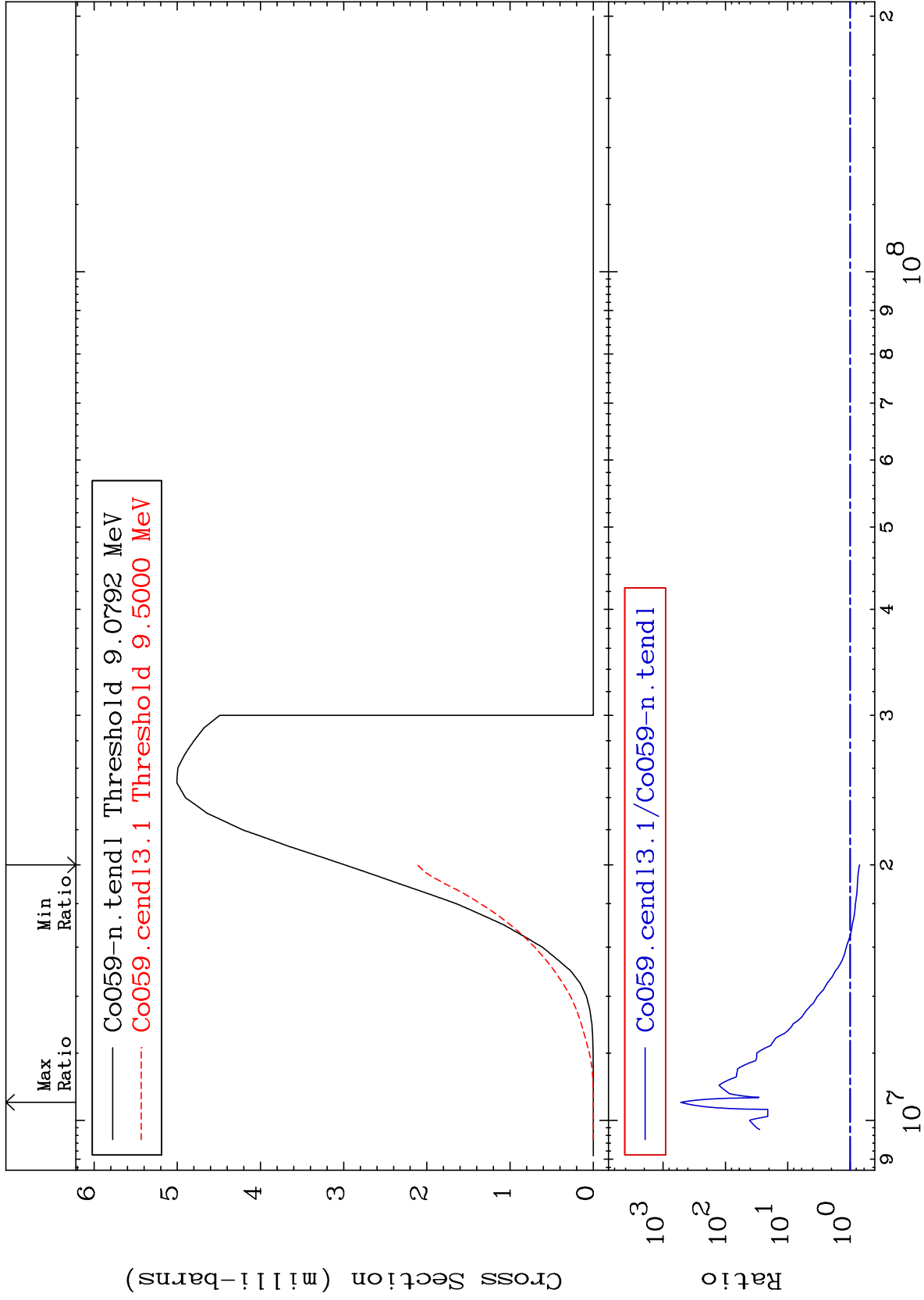
Incident Energy (eV)

²⁷Co-59

MAT 2725

(n, t)
Cross Section

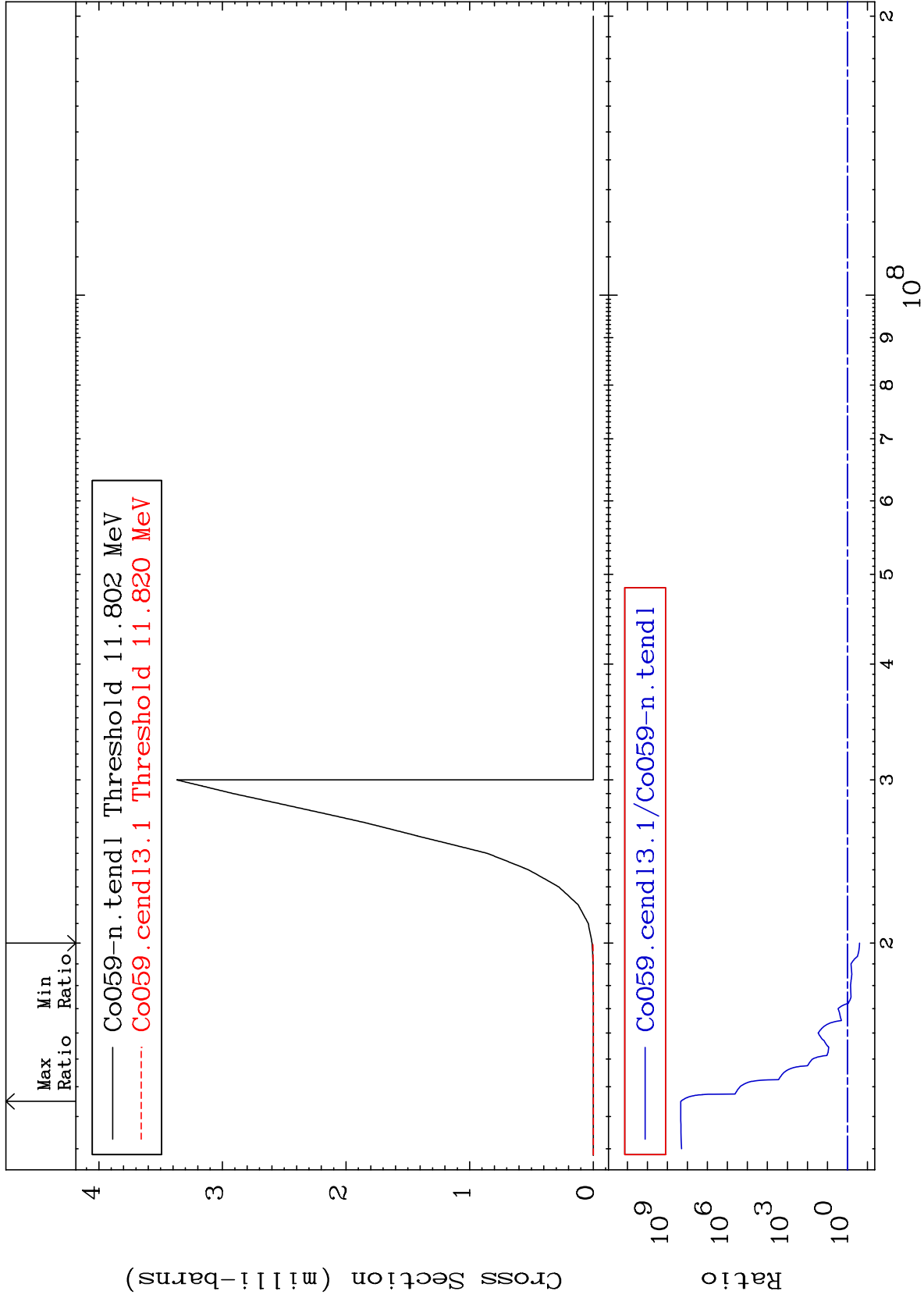
27-Co-59
-29.22 To 9999. %



30

Incident Energy (eV)

27-Co-59

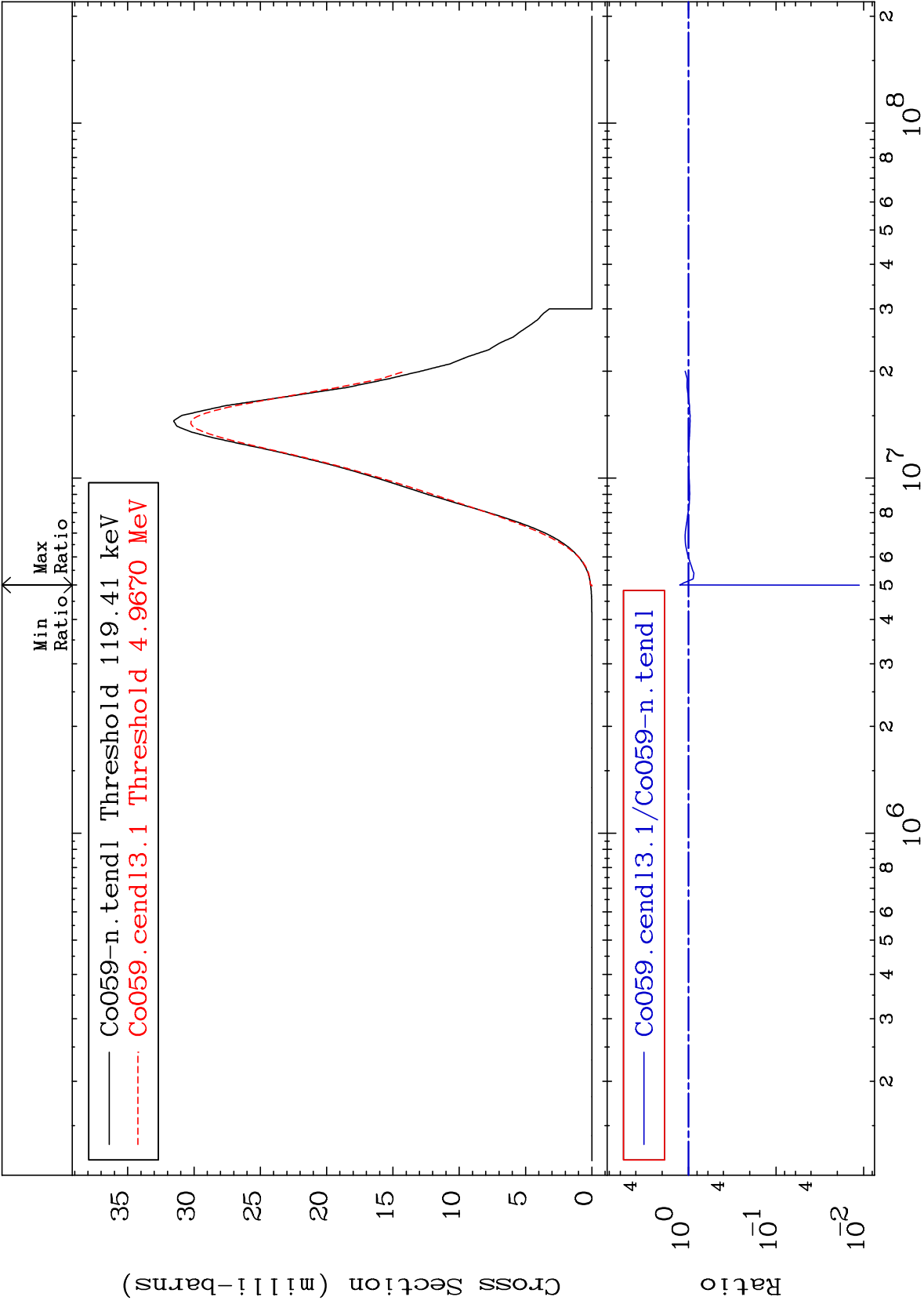


MAT 2725

27-Co-59

-98.88 To 25.78 %

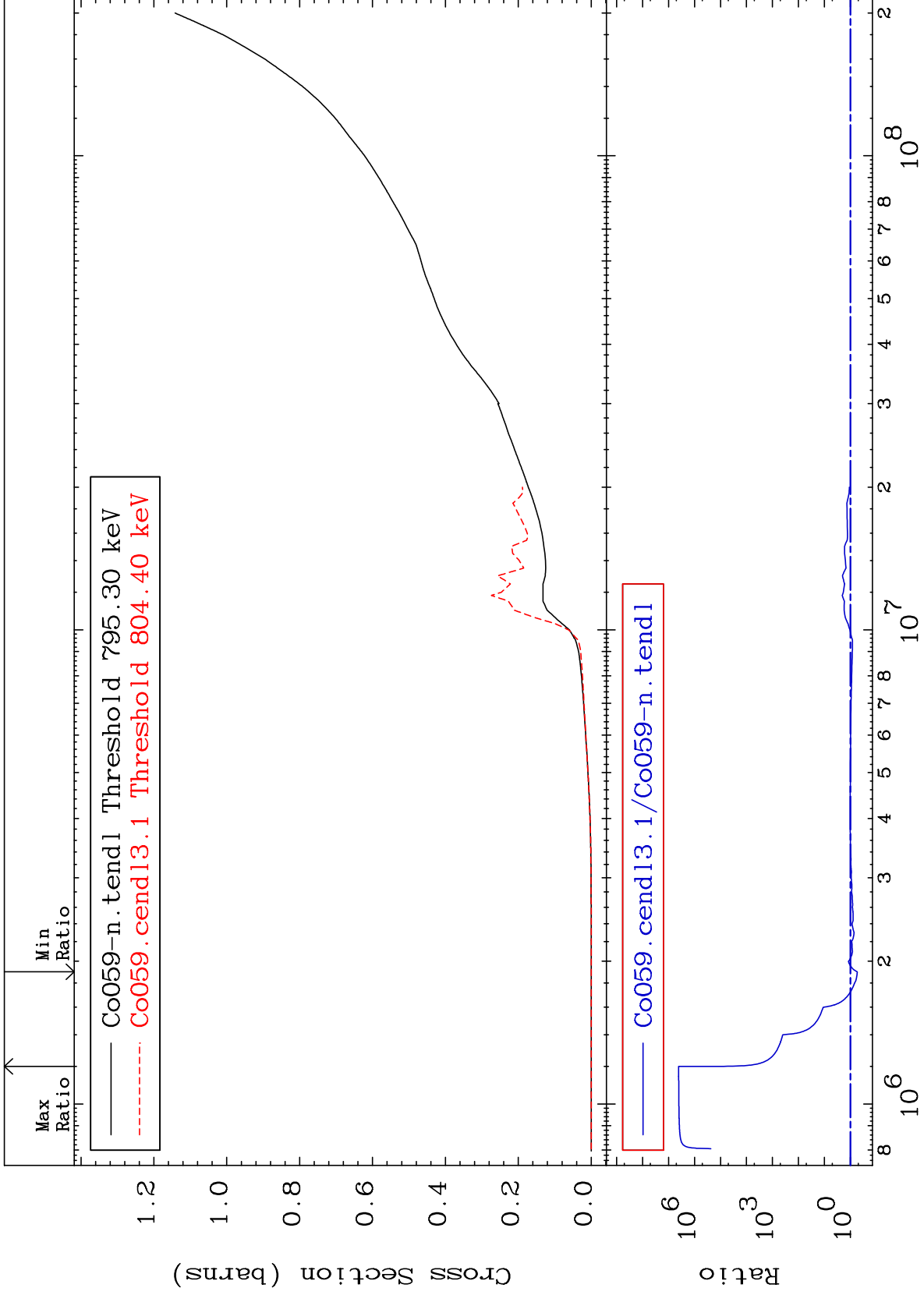
(n, α)
Cross Section



32

Incident Energy (eV)

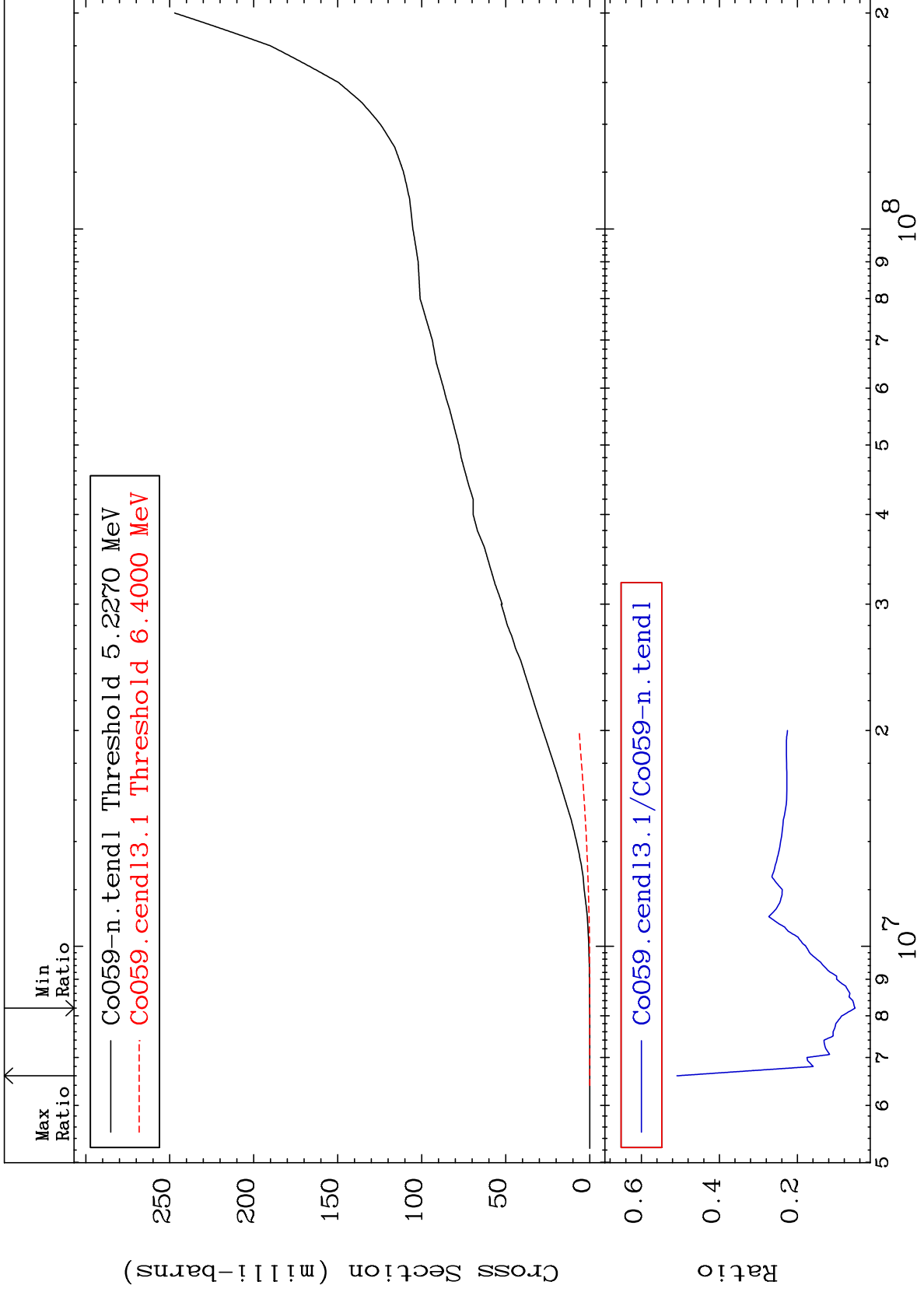
27-Co-59



MAT 2725

Deuterium Production
Cross Section

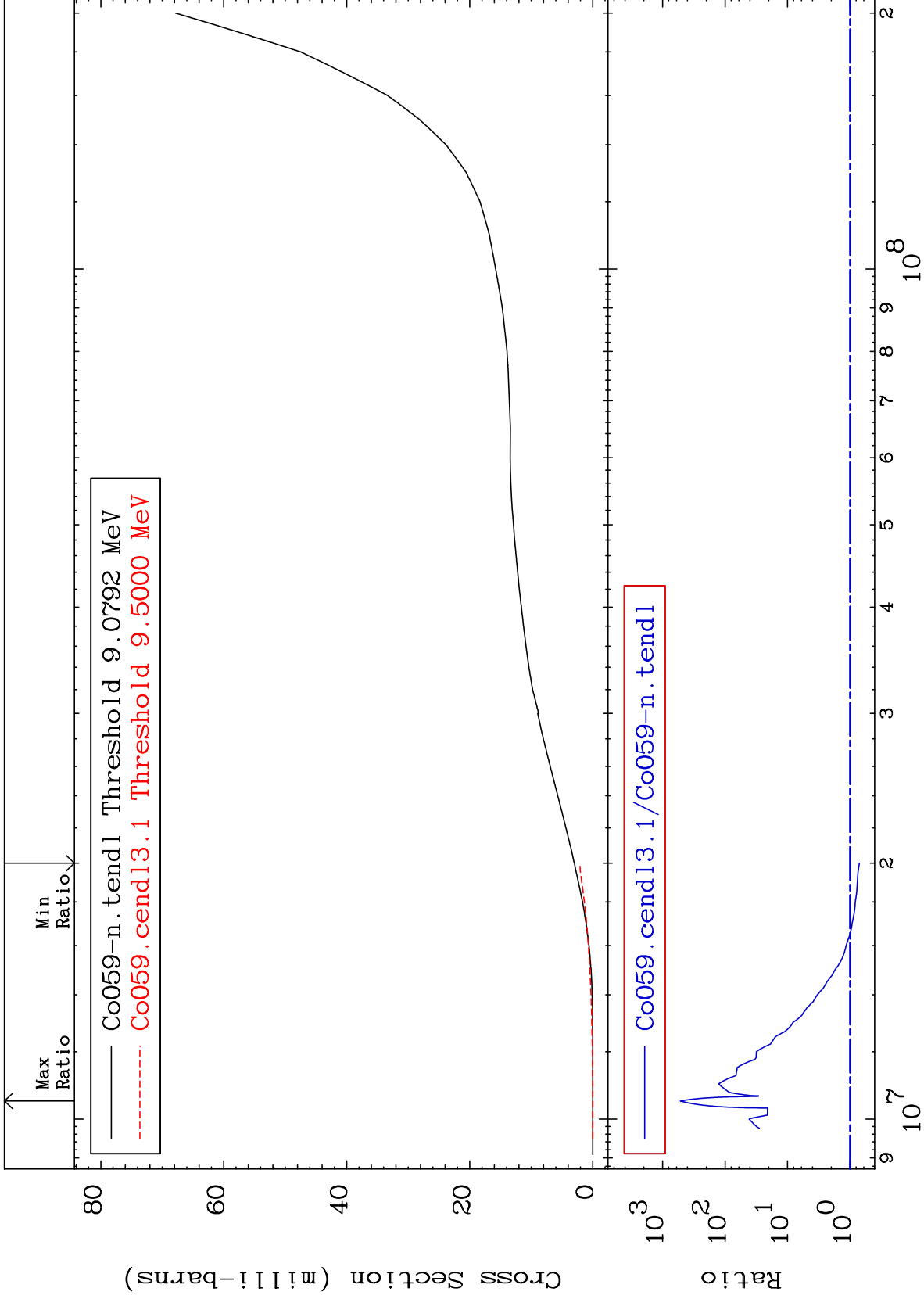
$^{27}\text{Co-59}$
-94.78 To -49.11%



MAT 2725

Tritium Production
Cross Section

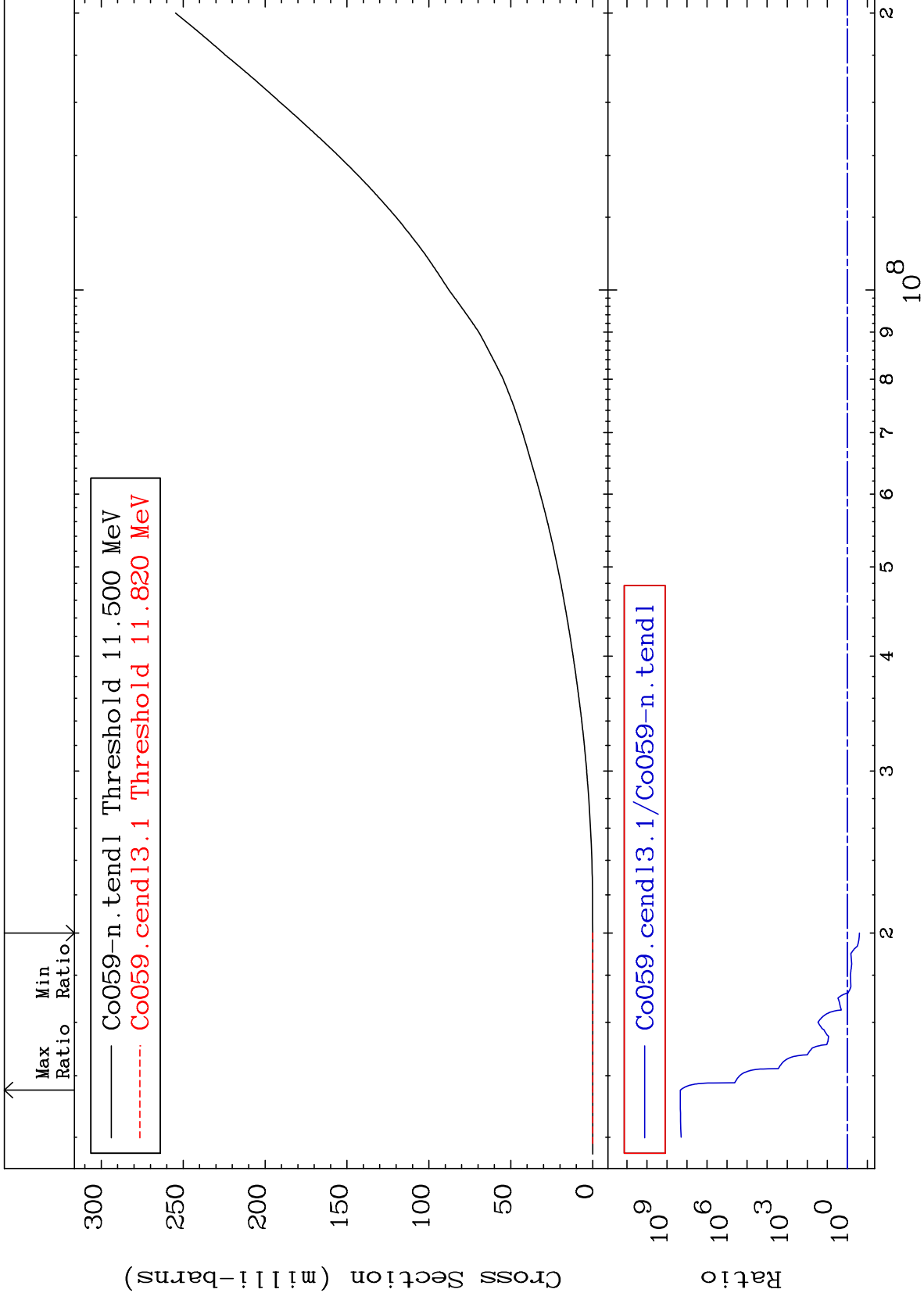
²⁷Co-59
-29.27 To 9999. %

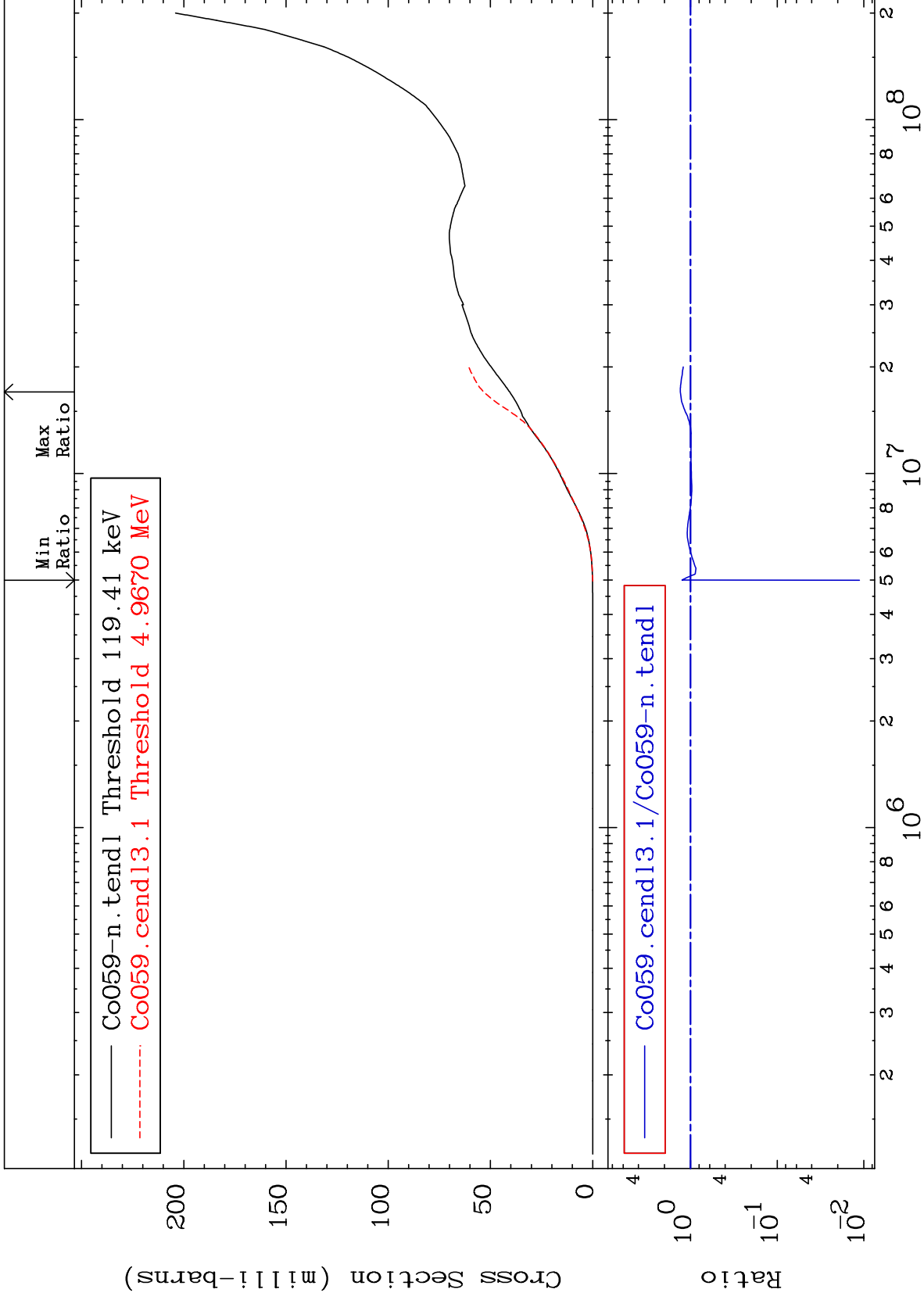


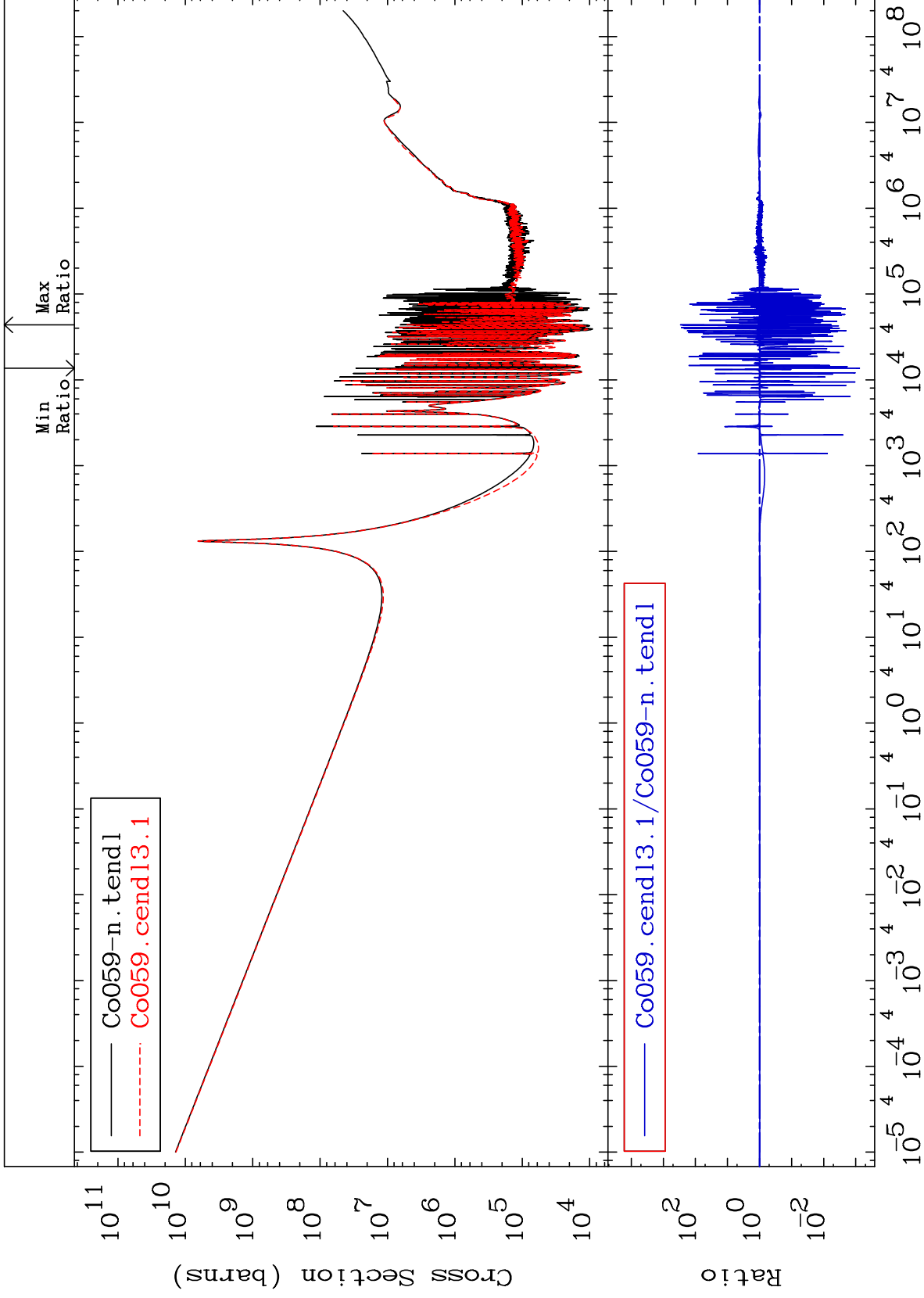
35

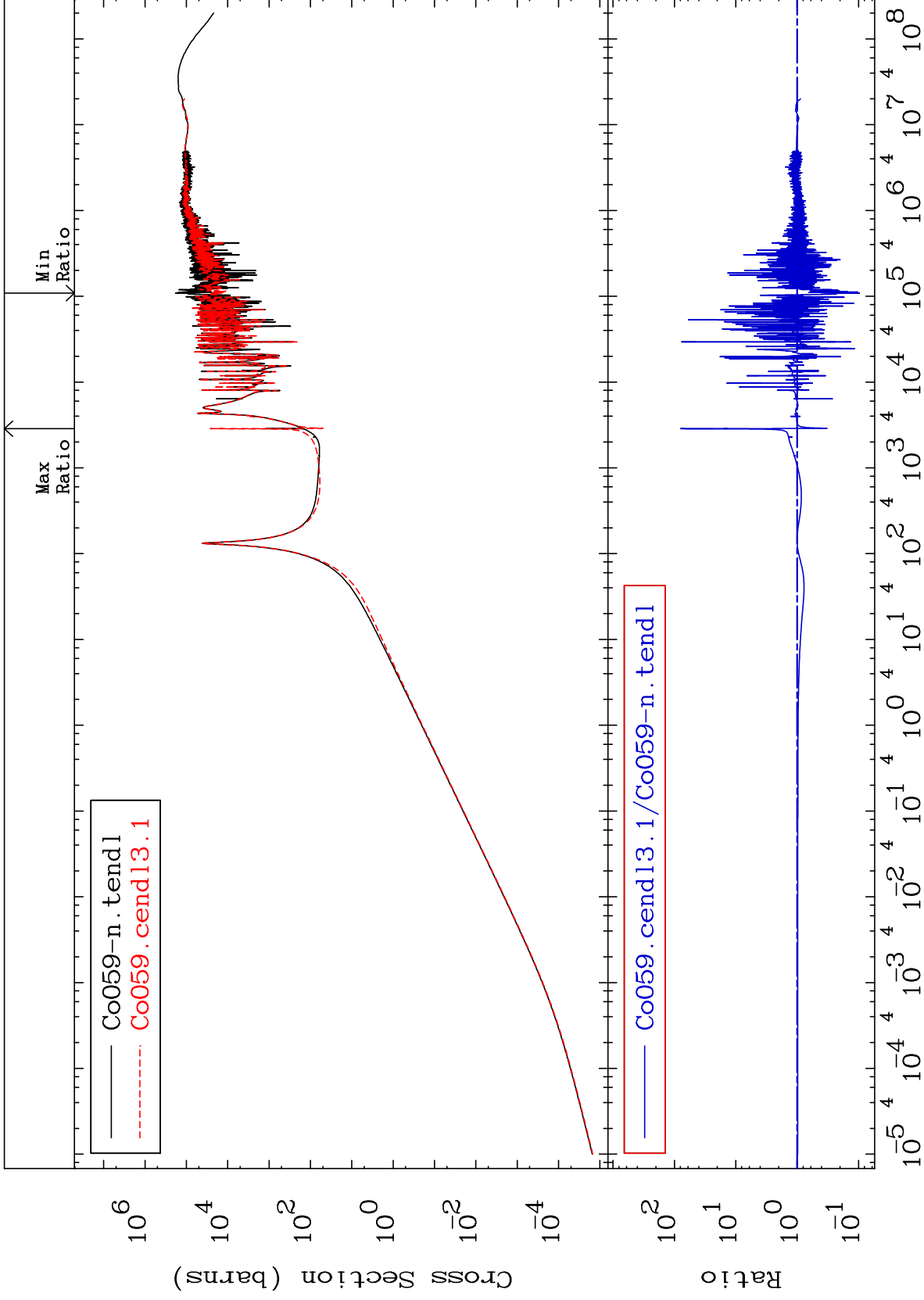
Incident Energy (eV)

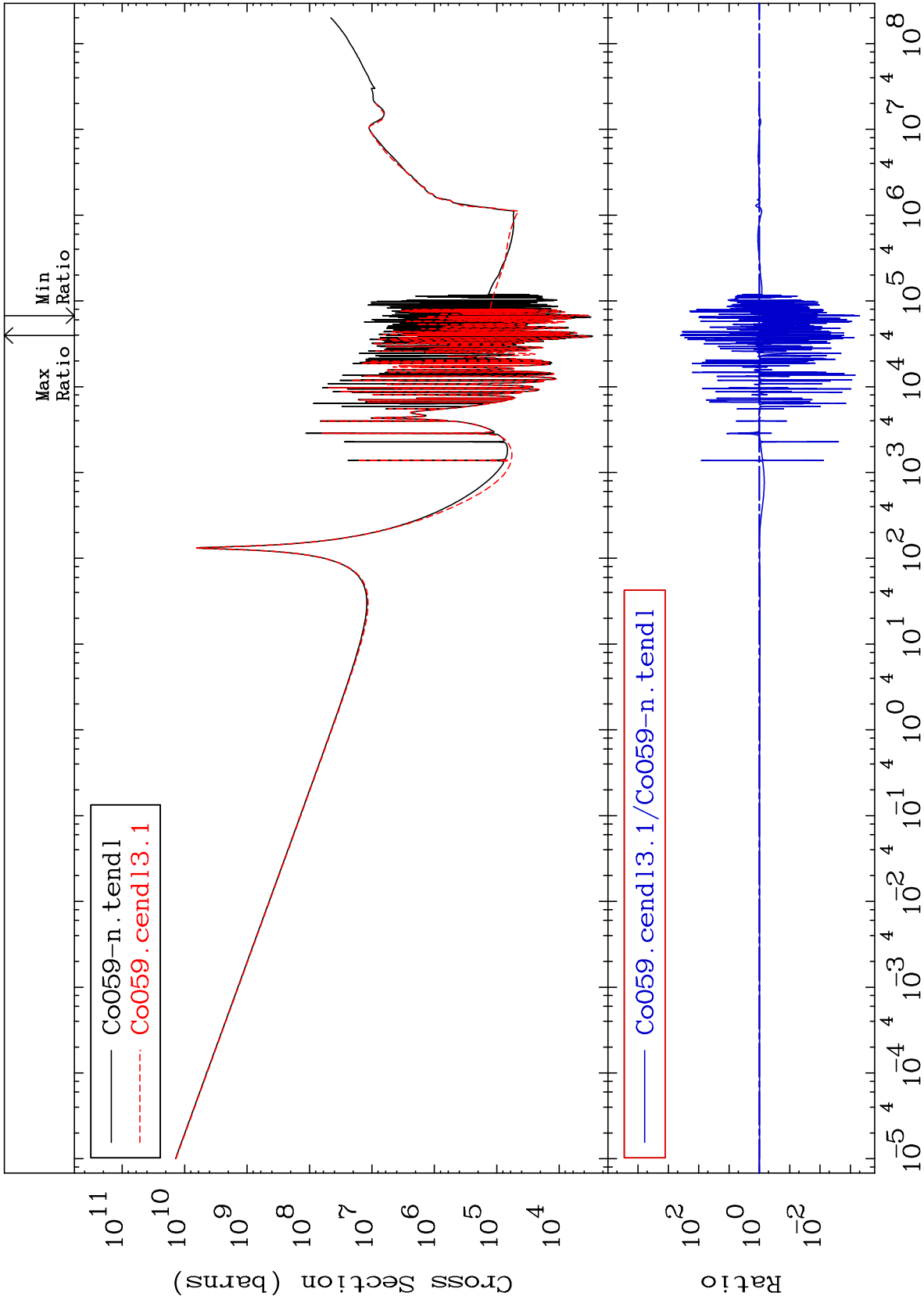
²⁷Co-59

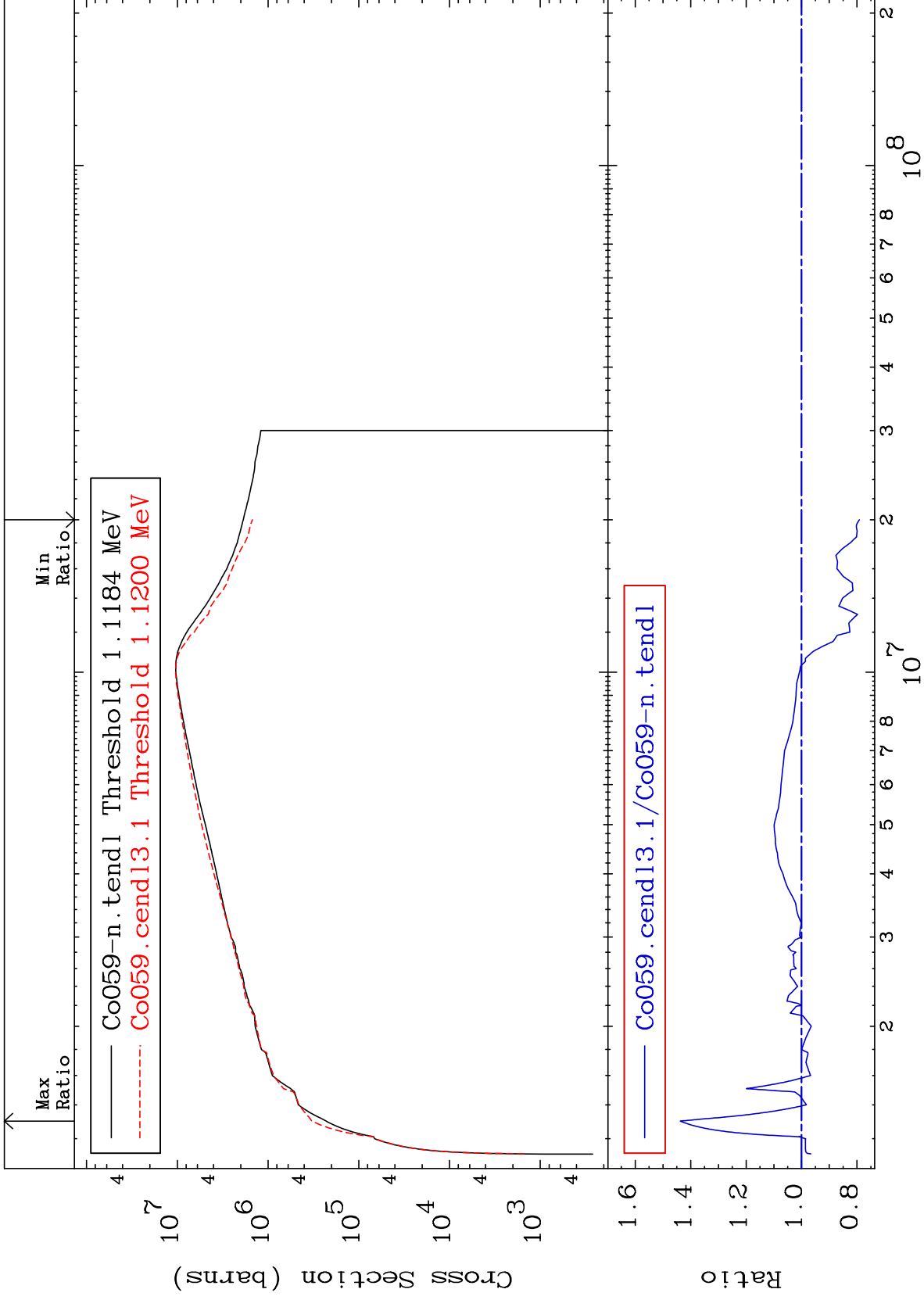








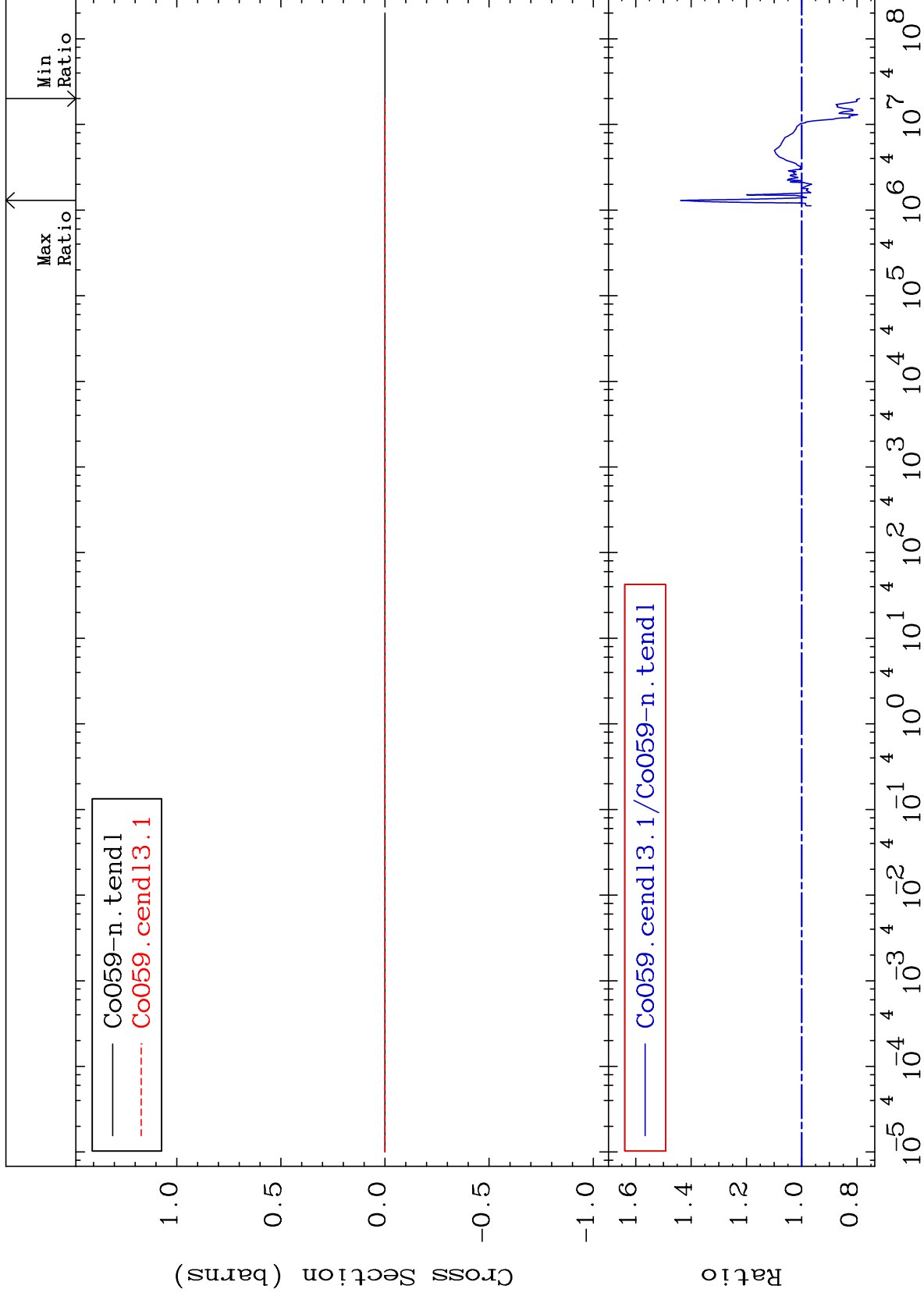




MAT 2725

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

27-Co-59
-20.88 To 43.72 %



42

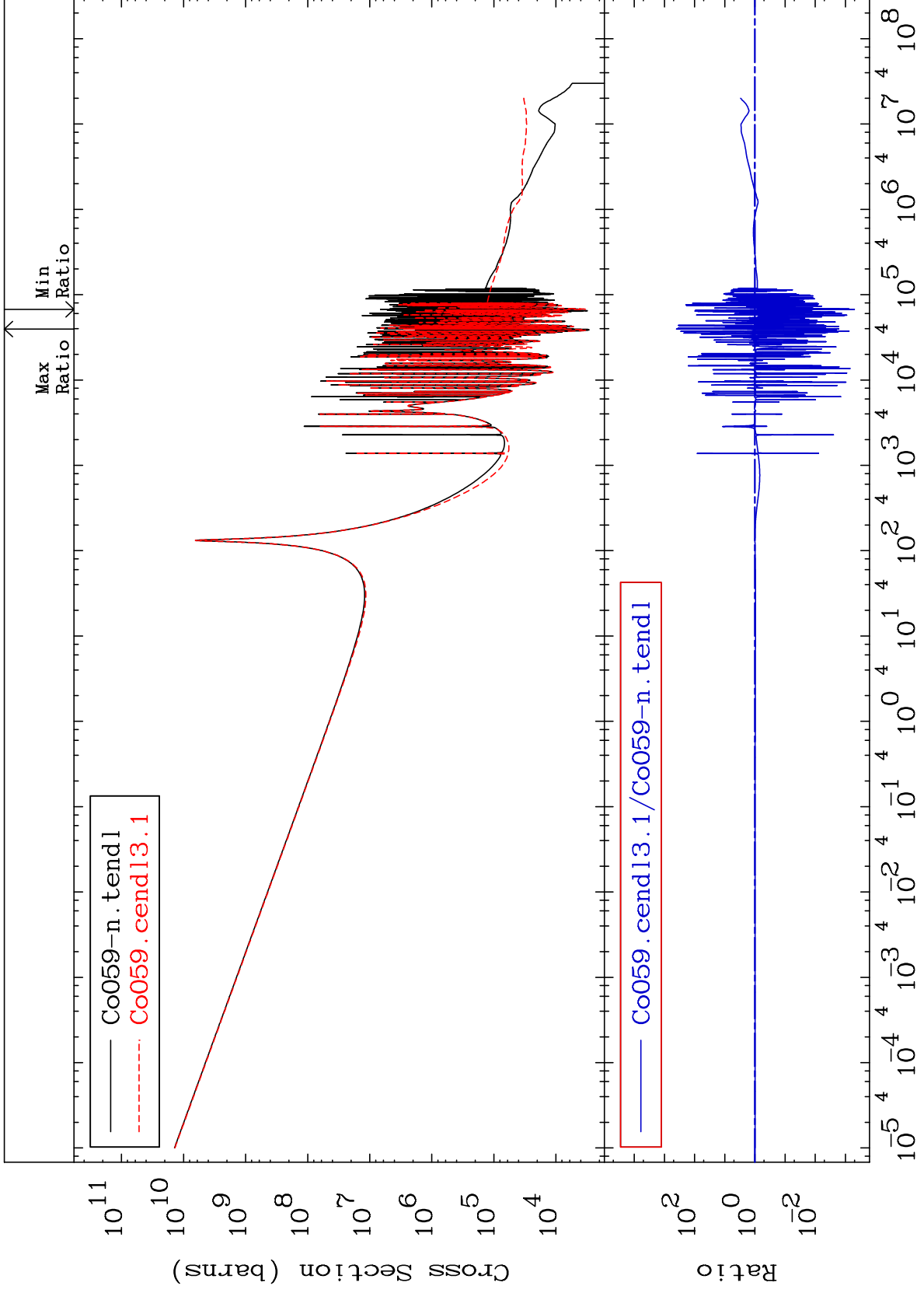
Incident Energy (eV)

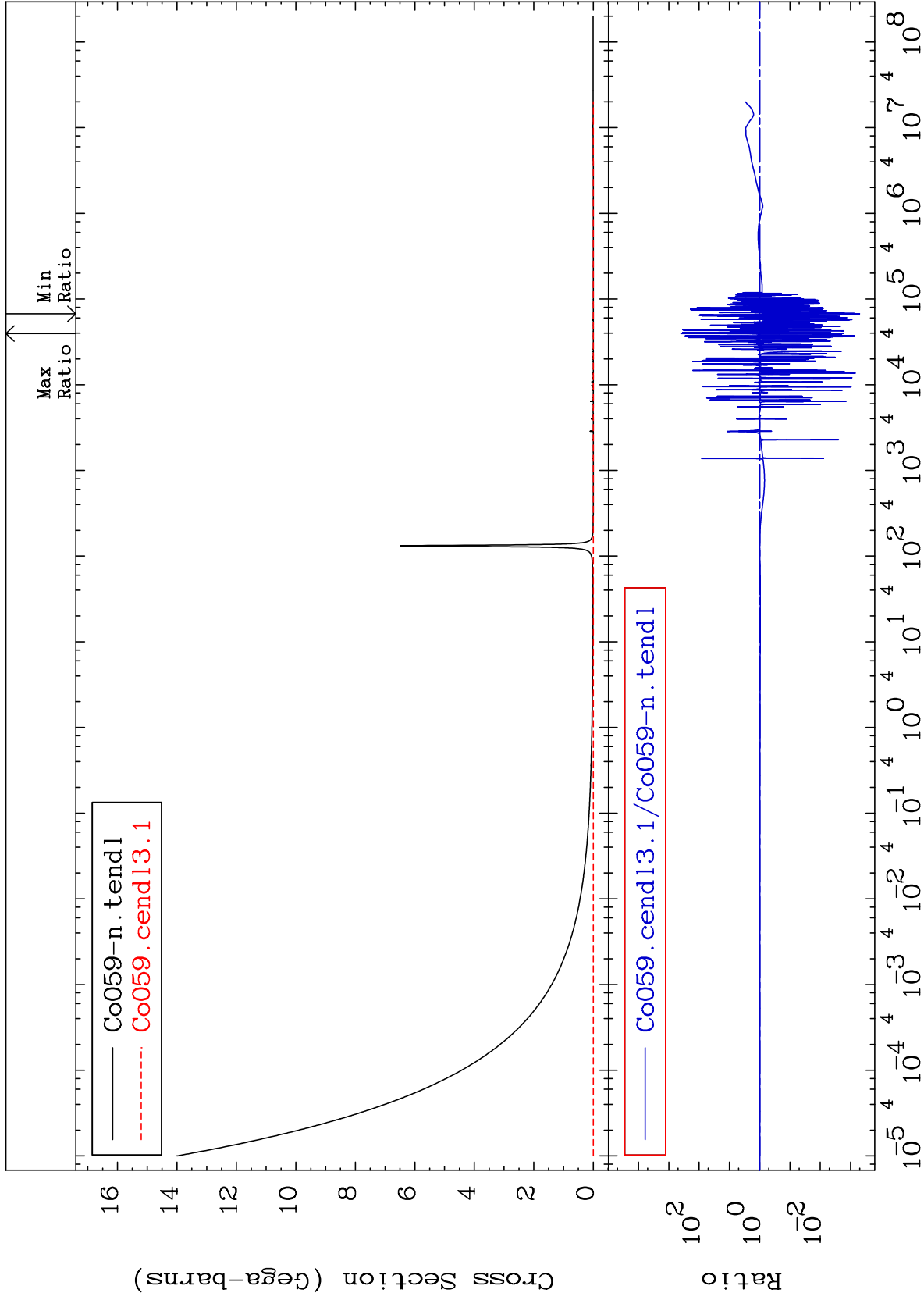
27-Co-59

MAT 2725

Kerma capture (mt102)
Cross Section

27-Co-59
-99.95 To 9999. %





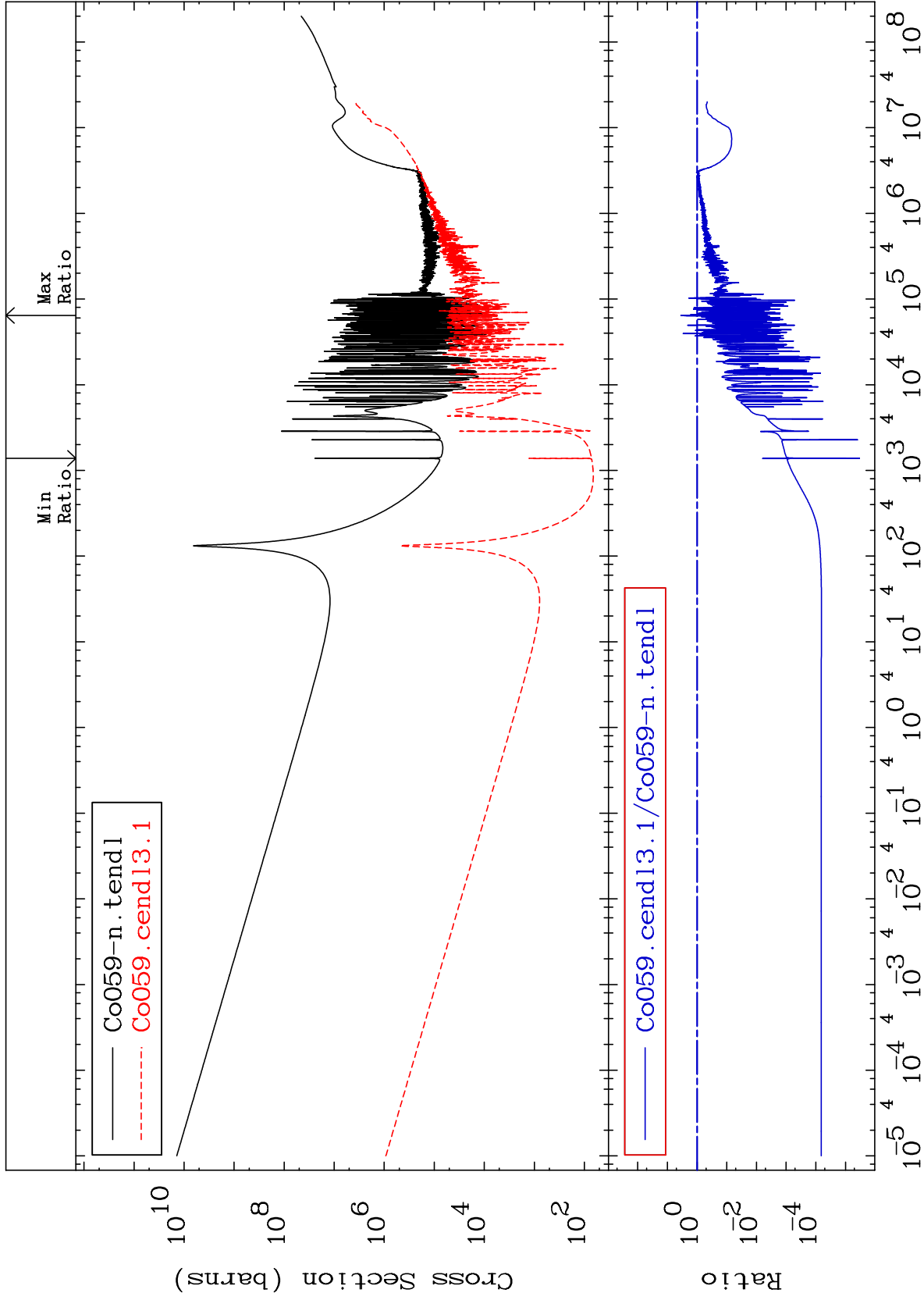
MAT 2725

Total kinematic kerma (high limit)

27-Co-59

Cross Section

-100.0 To 254.5 %



45

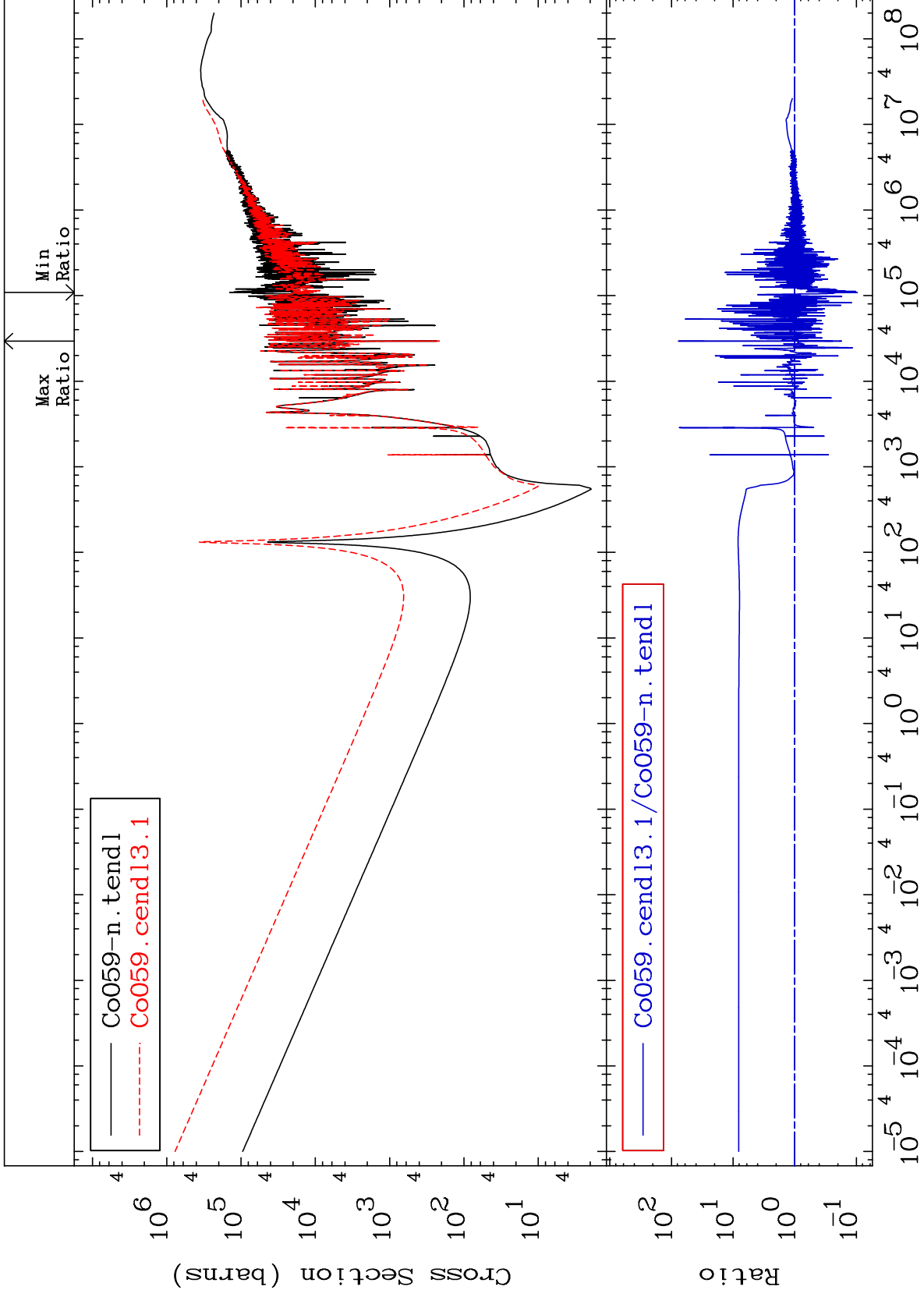
Incident Energy (eV)

27-Co-59

MAT 2725

Dpa total (eV-barns)
Cross Section

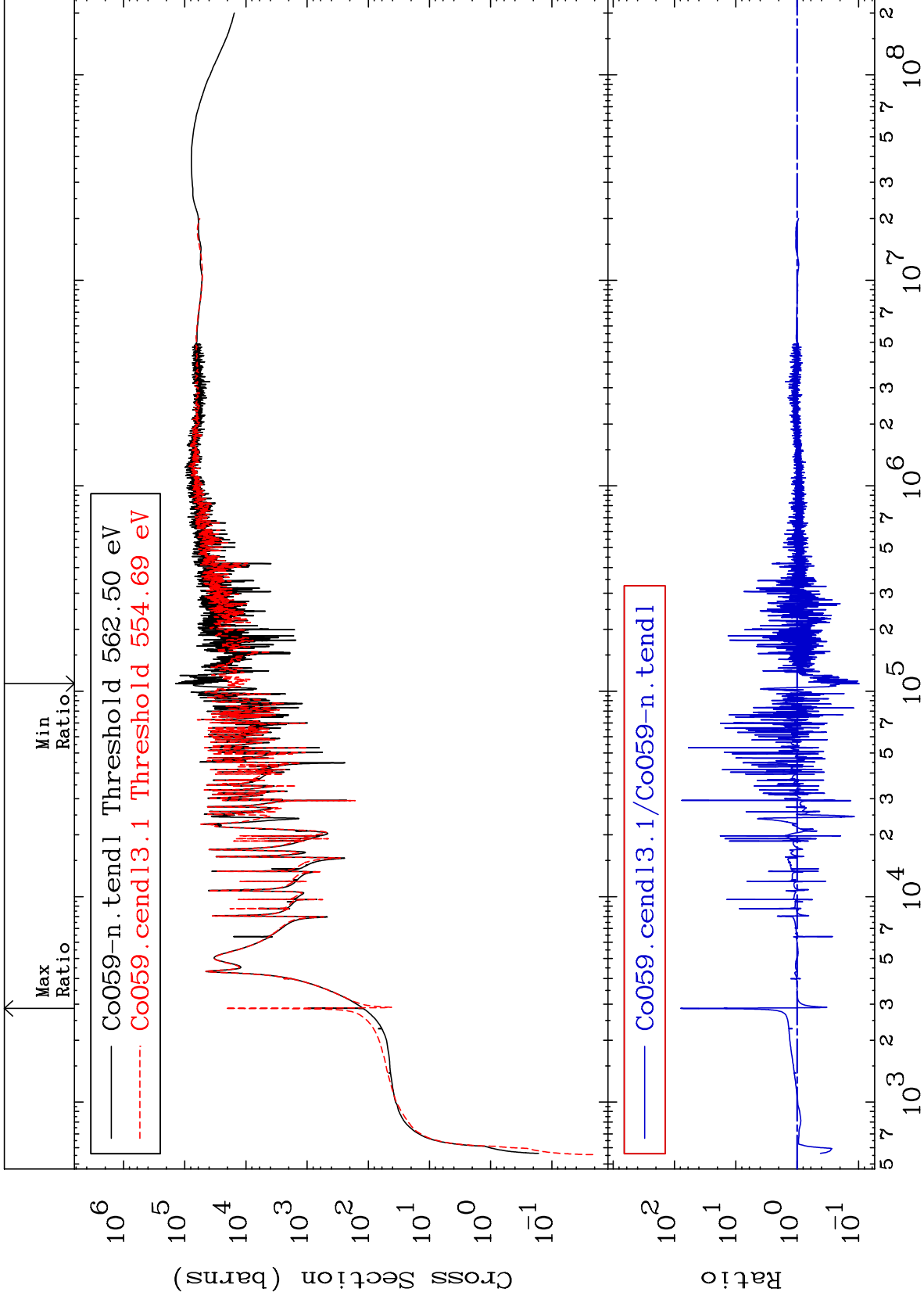
27-Co-59
-90.32 To 7548. %



MAT 2725

Dpa elastic (mt2)
Cross Section

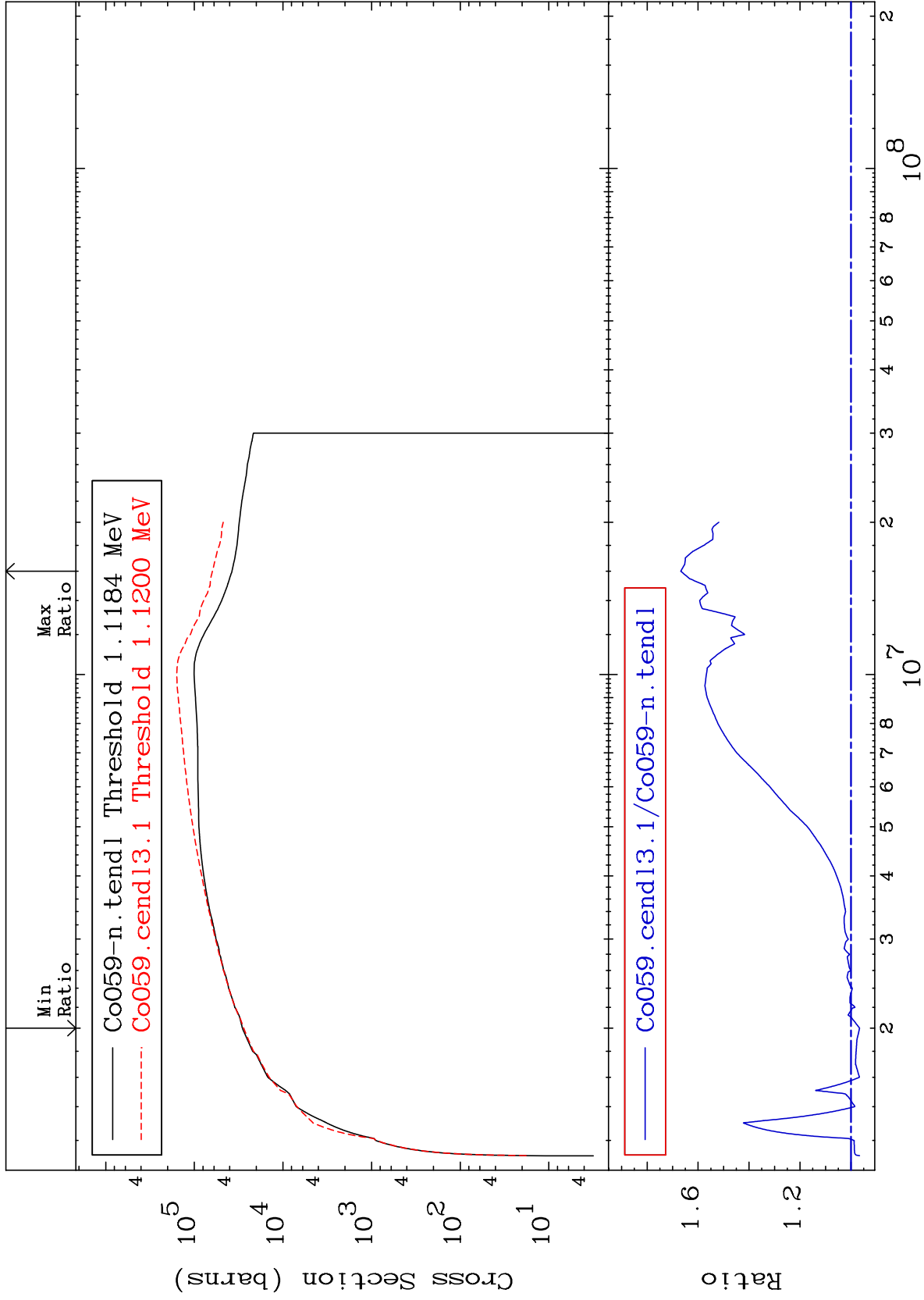
27-Co-59
-90.34 To 7907. %



MAT 2725

Dpa inelastic (mt51-91)
Cross Section

27-Co-59
-3.358 To 66.80 %



MAT 2725

Dpa disappearance (mt102 -120)
Cross Section

27-Co-59
-99.20 To 9999. %

