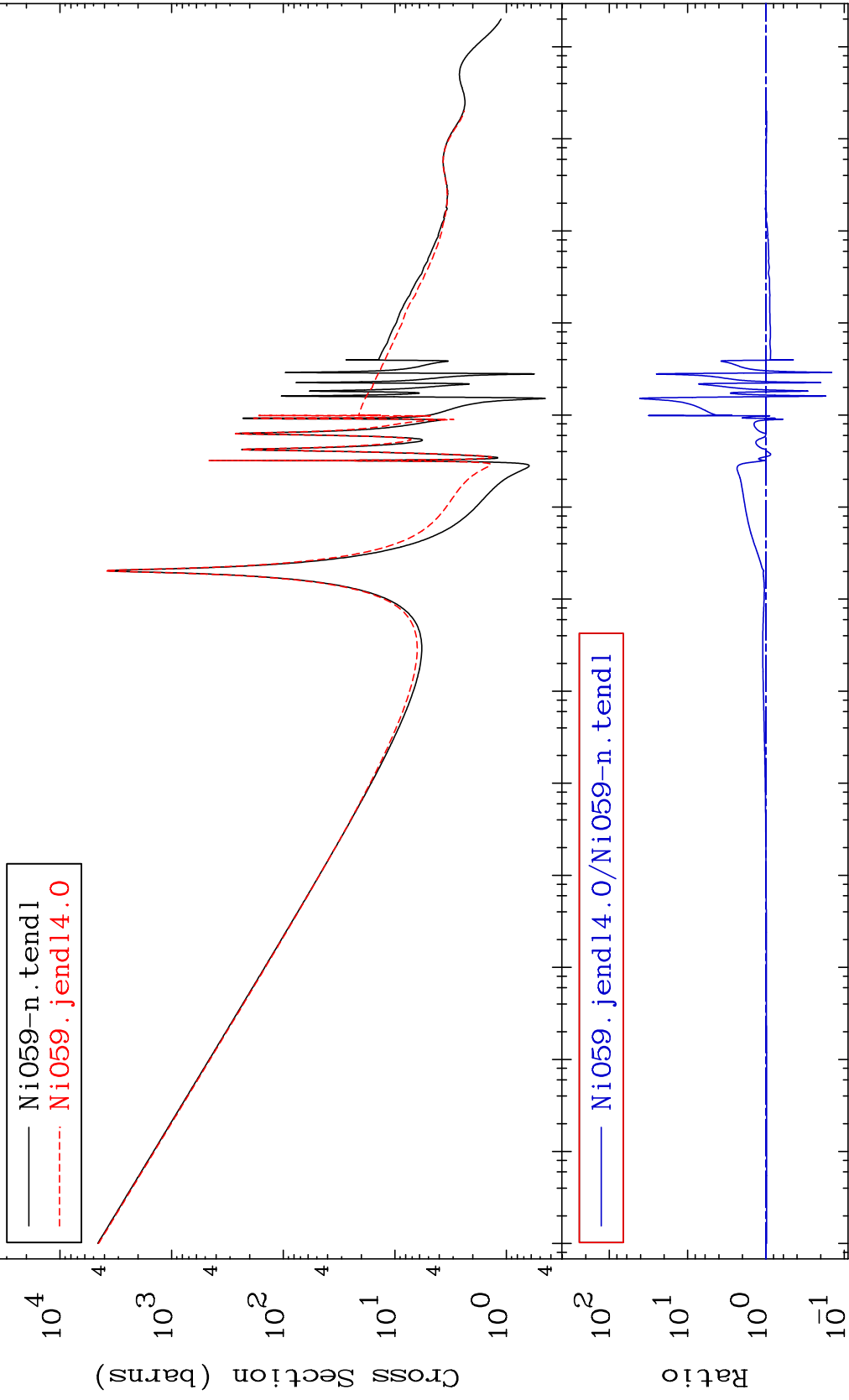


MAT 2828

Total
Cross Section

28-Ni-59
-85.55 To 4019. %



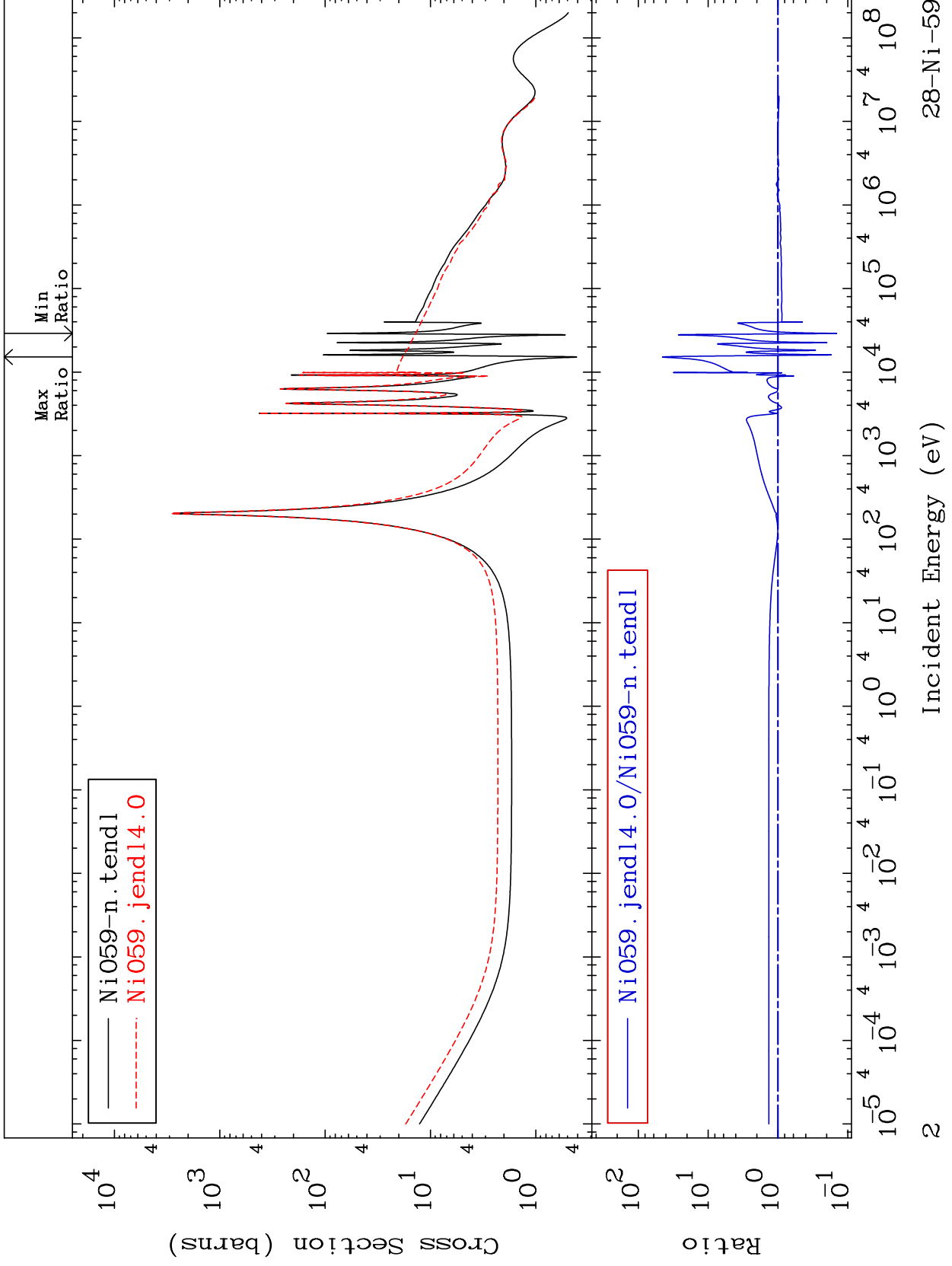
Incident Energy (eV)

28-Ni-59

MAT 2828

Elastic
Cross Section

28-Ni-59
-85.59 To 4419. %



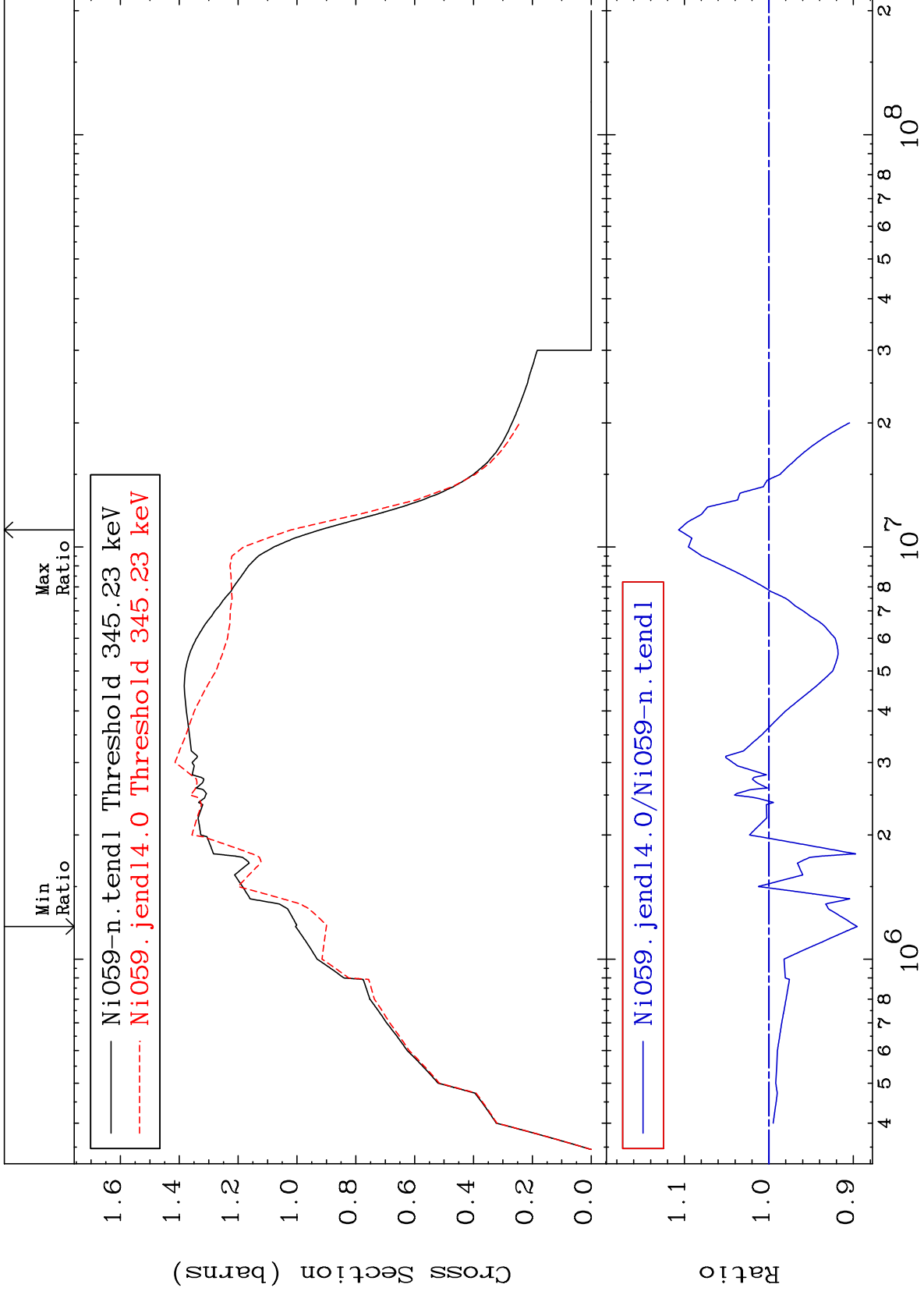
28-Ni-59

Incident Energy (eV)

2

MAT 2828

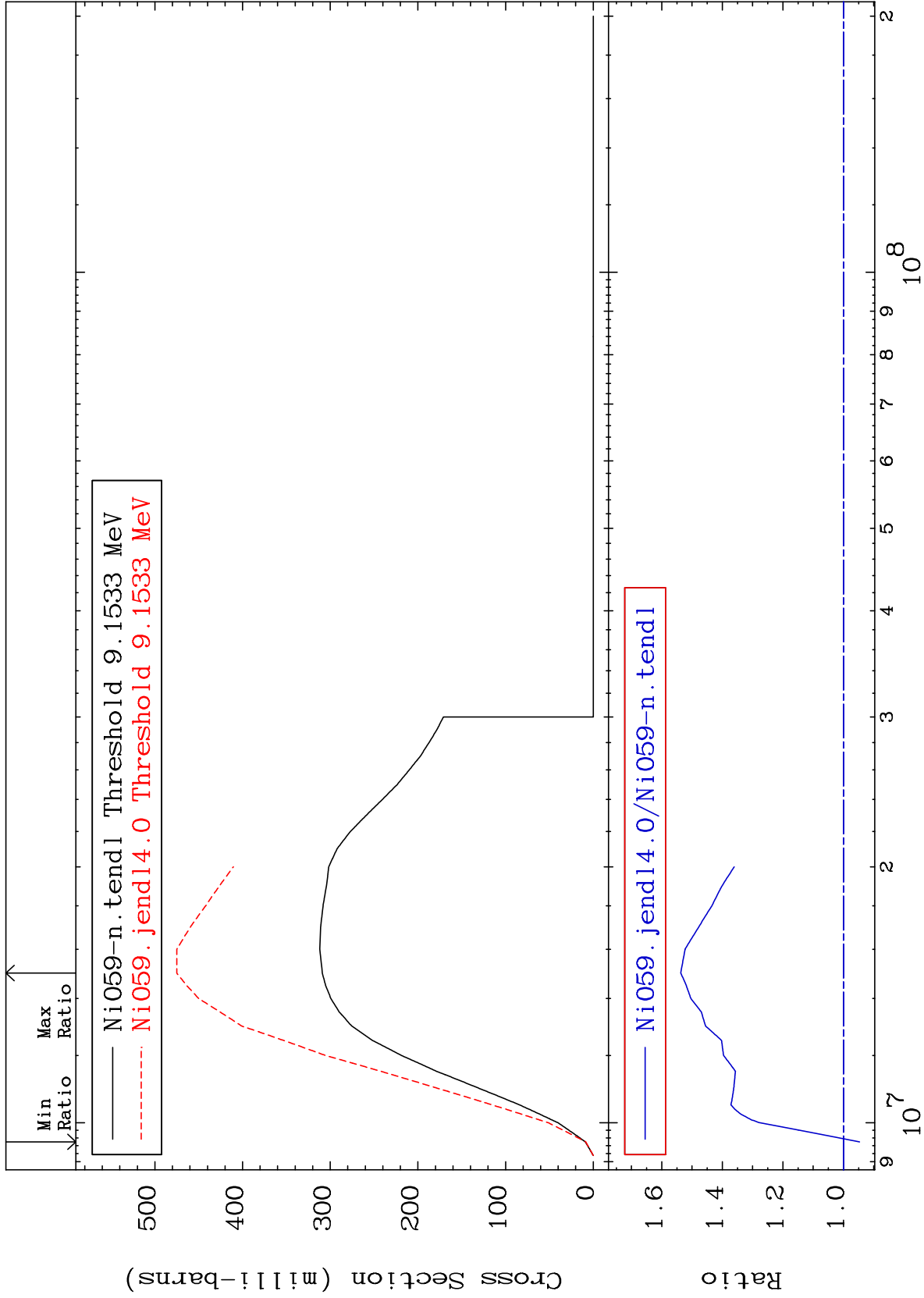
Inelastic Cross Section
28-Ni-59
-10.46 To 10.68 %



MAT 2828

(n,2n)
Cross Section

28-Ni-59
-5.302 To 53.72 %



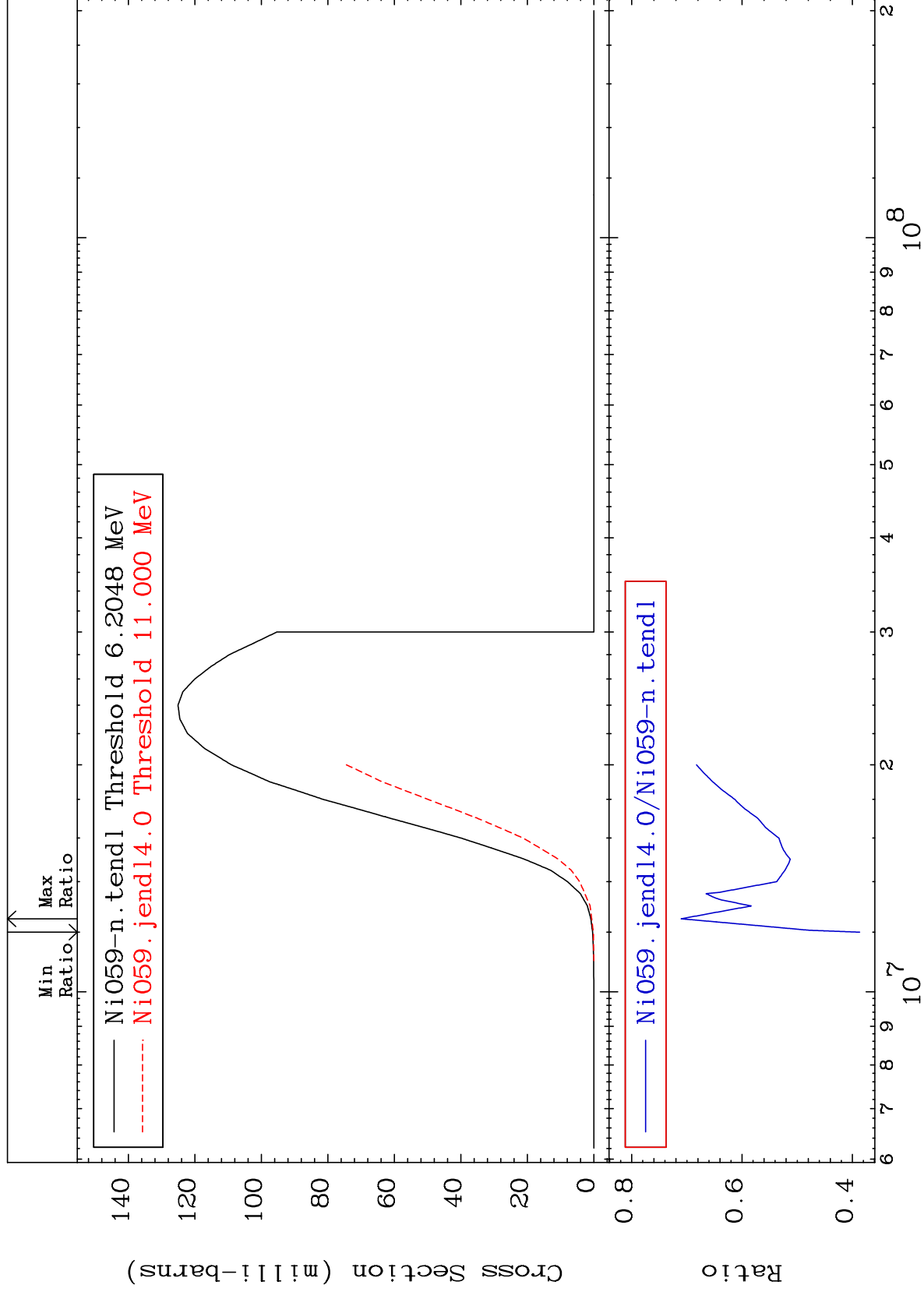
28-Ni-59

28-Ni-59

MAT 2828

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

28-Ni-59
-61.32 To -28.96%



5

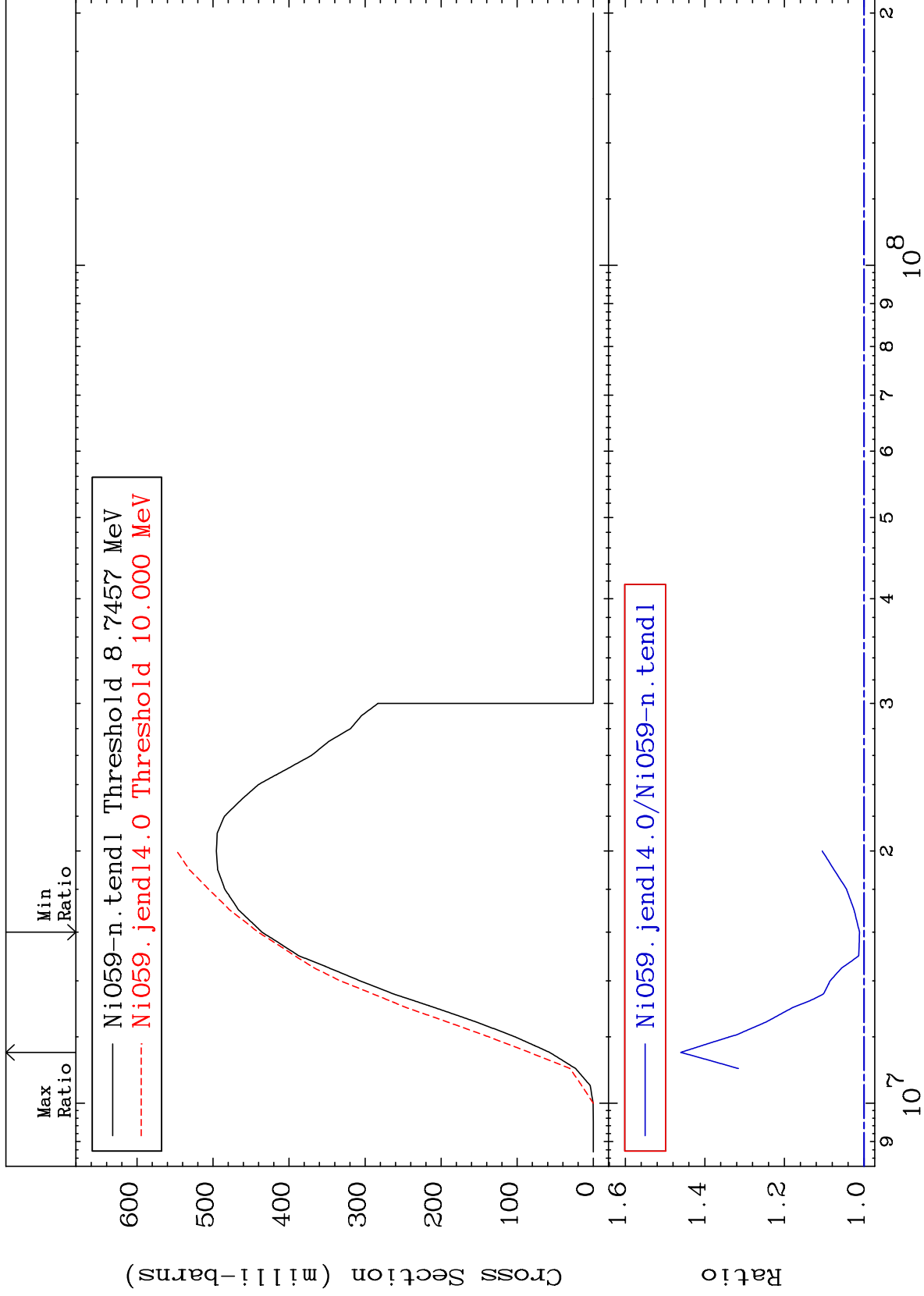
Incident Energy (eV)

28-Ni-59

MAT 2828

(n,n') p
Cross Section

28-Ni-59
To 46.05 %
1.135



Incident Energy (eV)

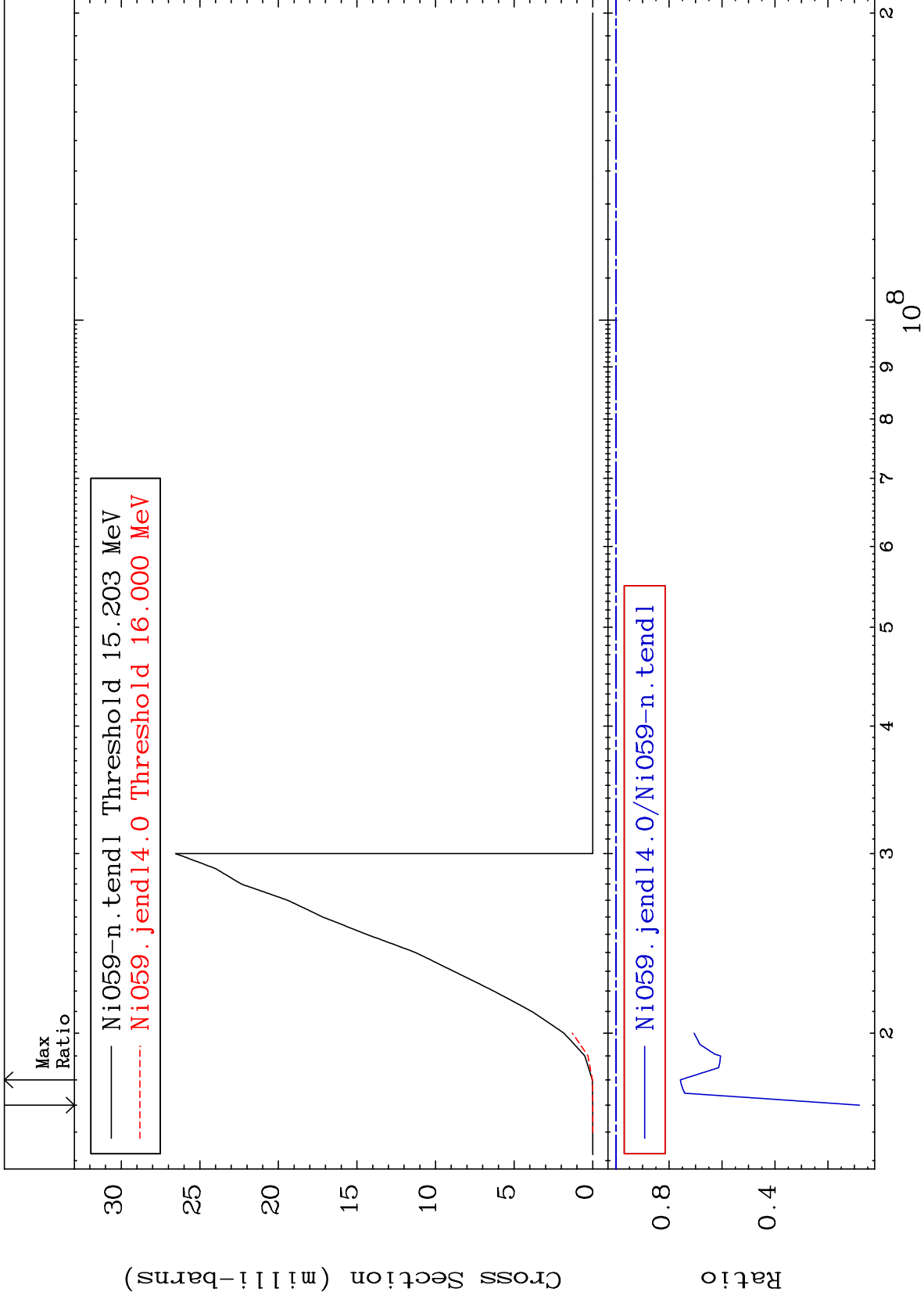
28-Ni-59

6

MAT 2828

(n,n') d
Cross Section

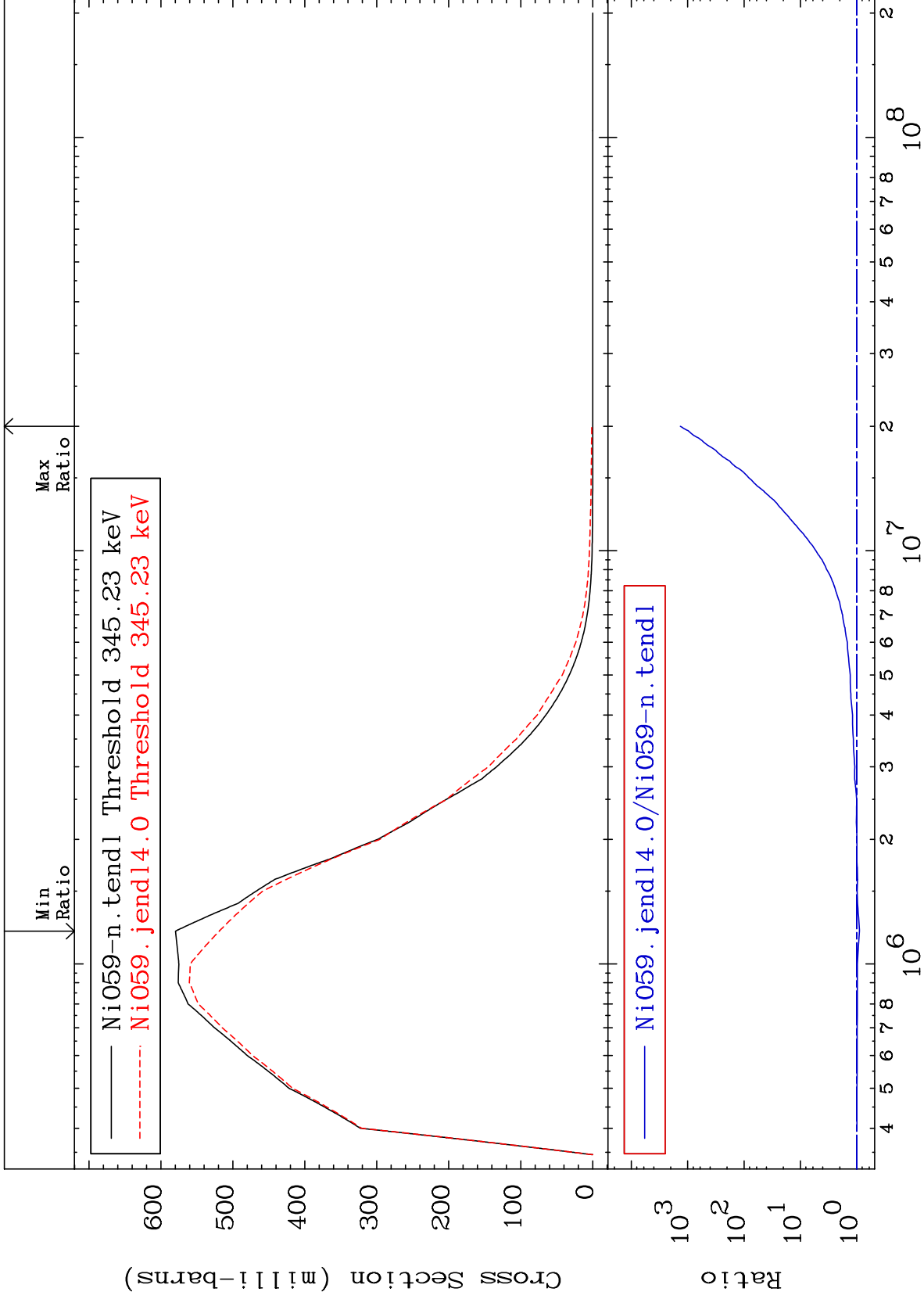
28-Ni-59
-91.88 To -24.25%



MAT 2828

339.4 keV (n,n') Level
Cross Section

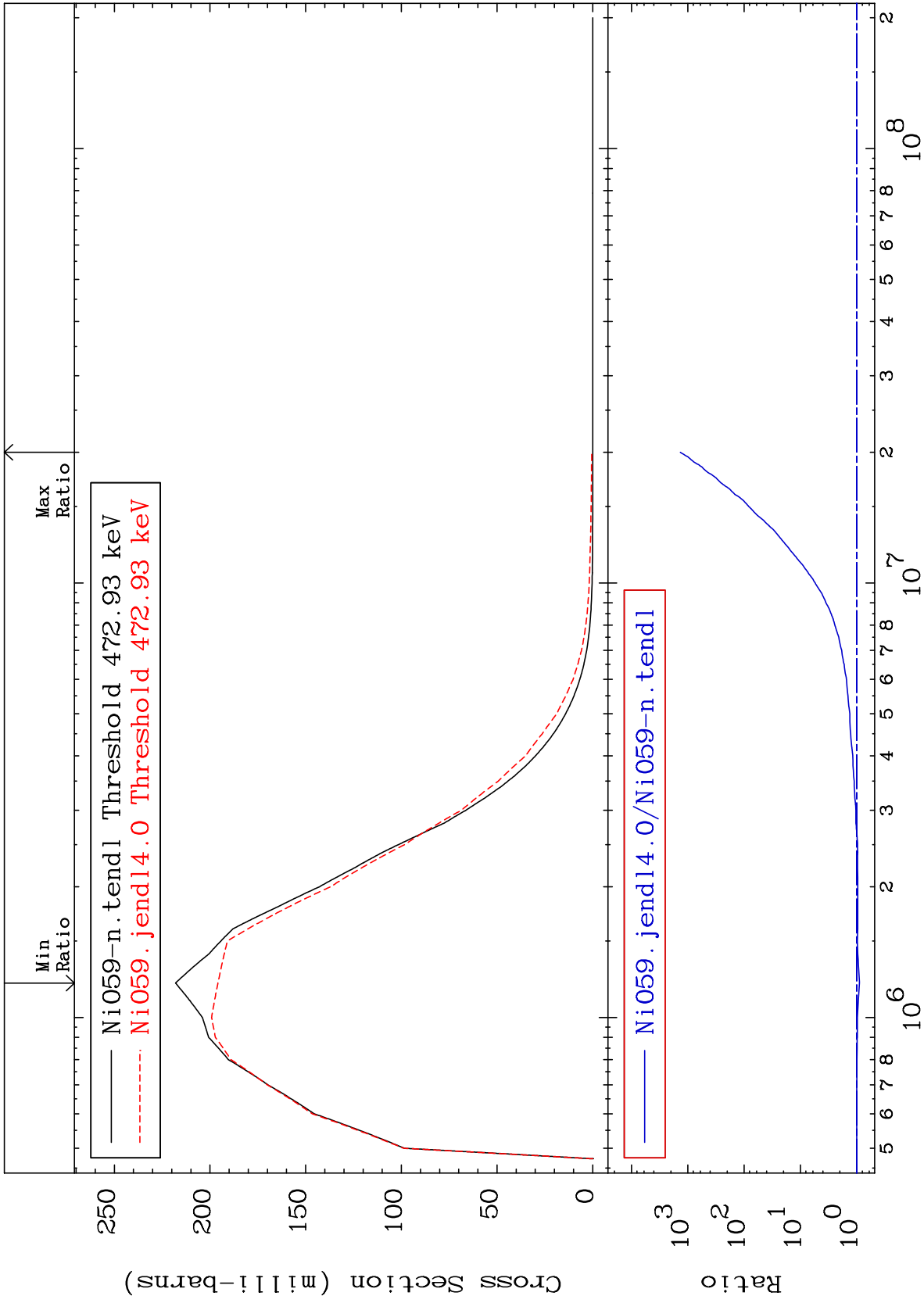
28-Ni-59
-10.49 To 9999. %



MAT 2828

465.0 keV (n,n') Level
Cross Section

28-Ni-59
-10.17 To 9999. %



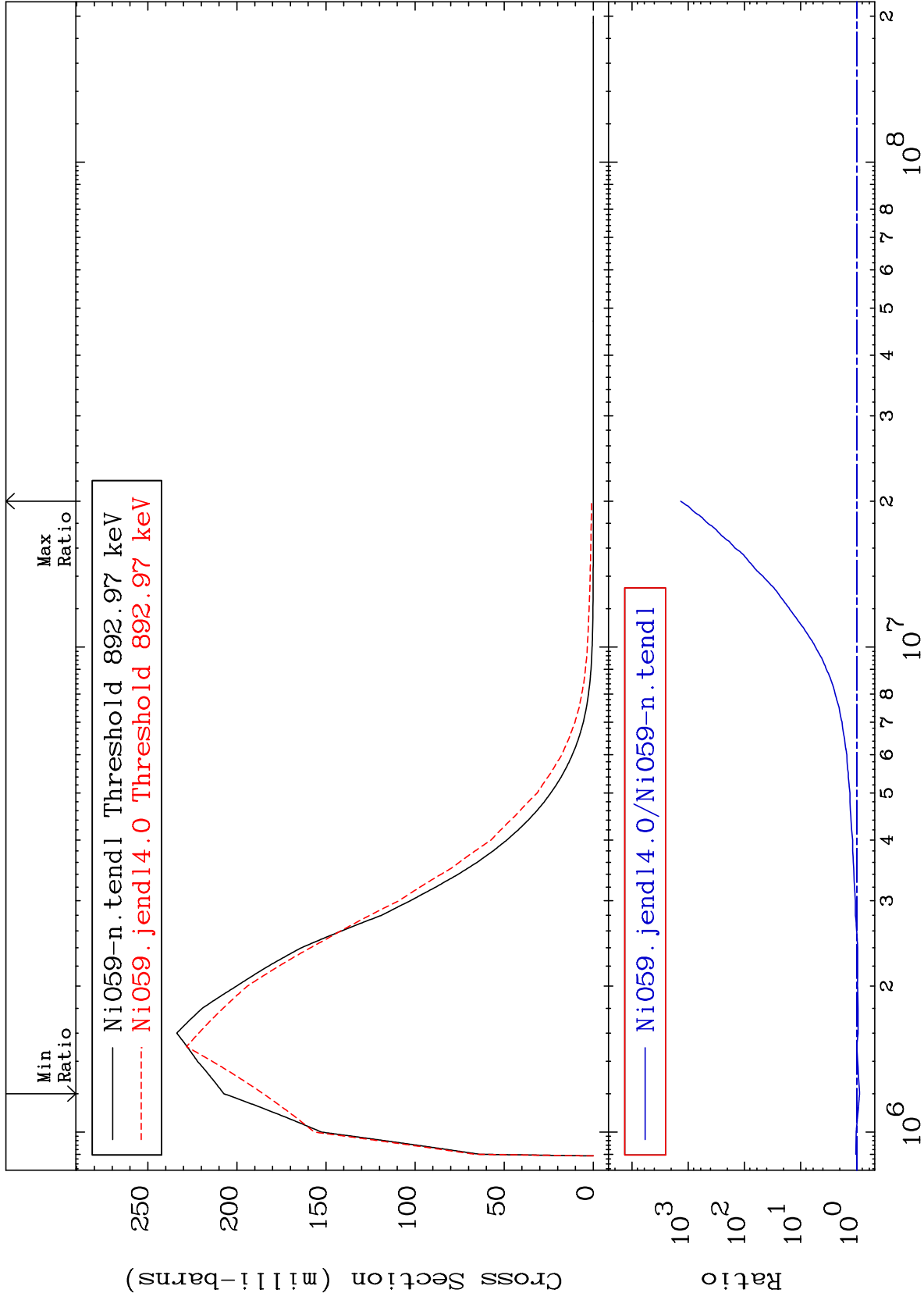
MAT 2828

877.9 keV (n,n') Level

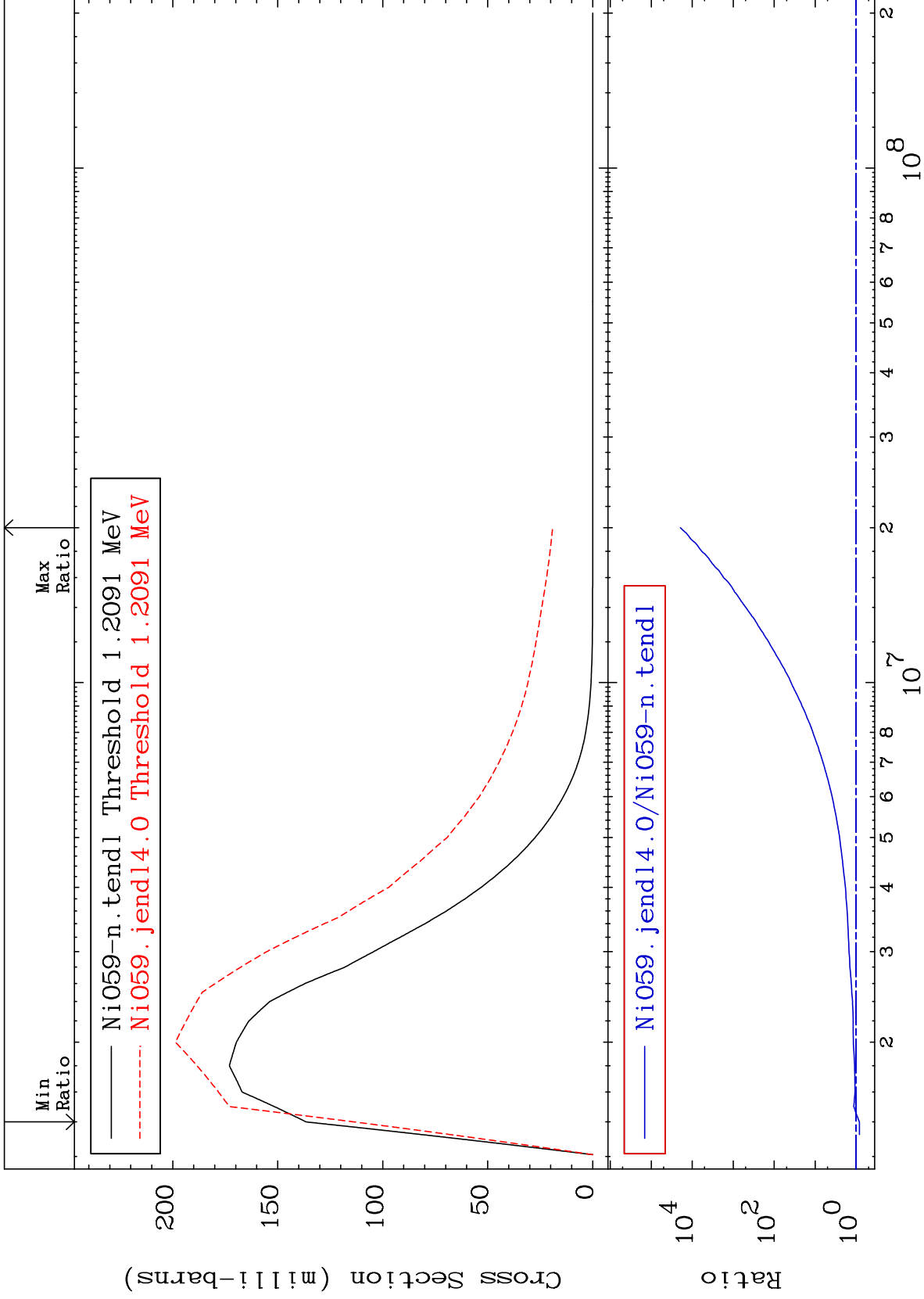
28-Ni-59

-10.66 To 9999. %

Cross Section



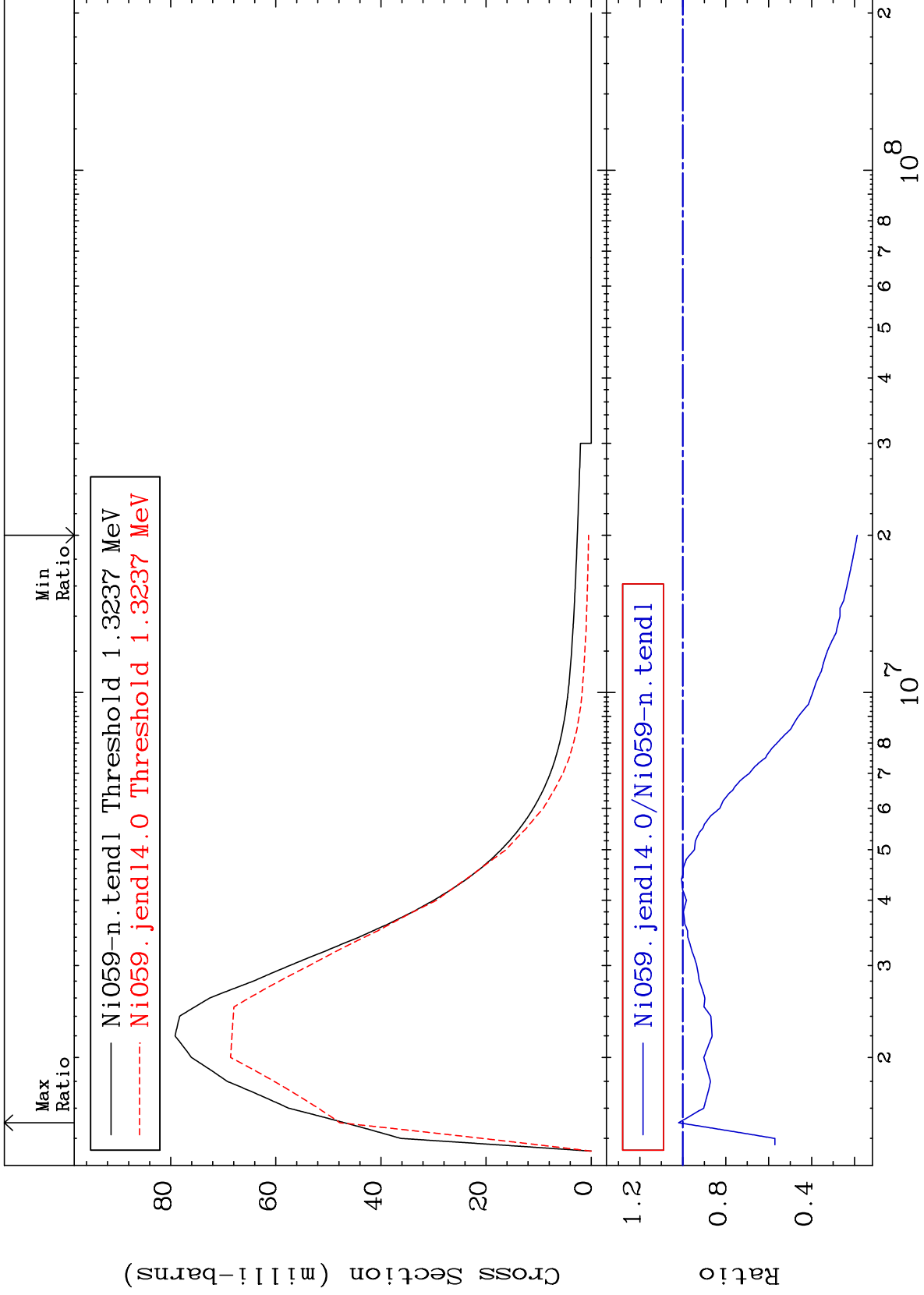
28-Ni-59

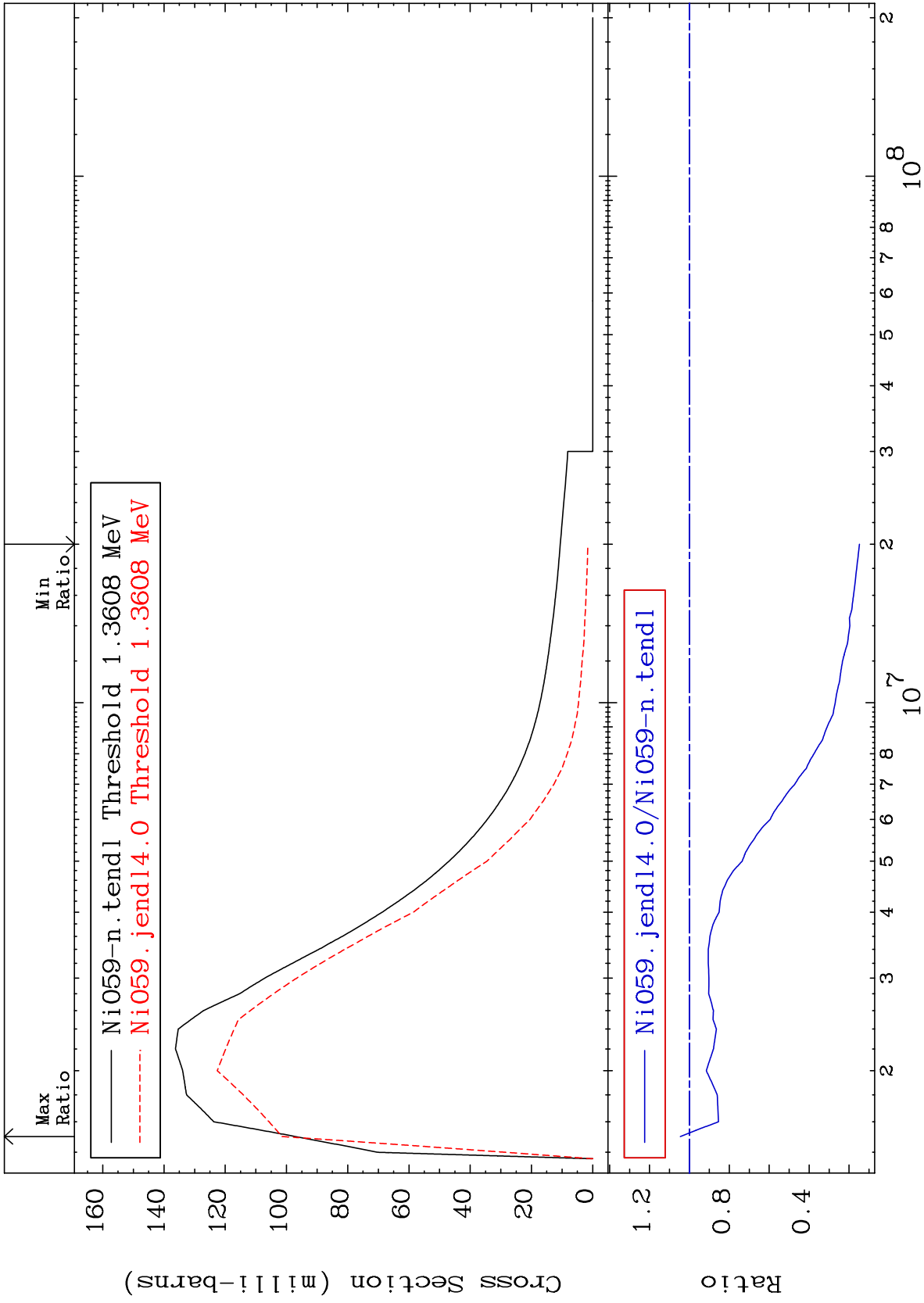


MAT 2828

1.301 MeV (n,n') Level
Cross Section

28-Ni-59
-81.24 To 1.940 %

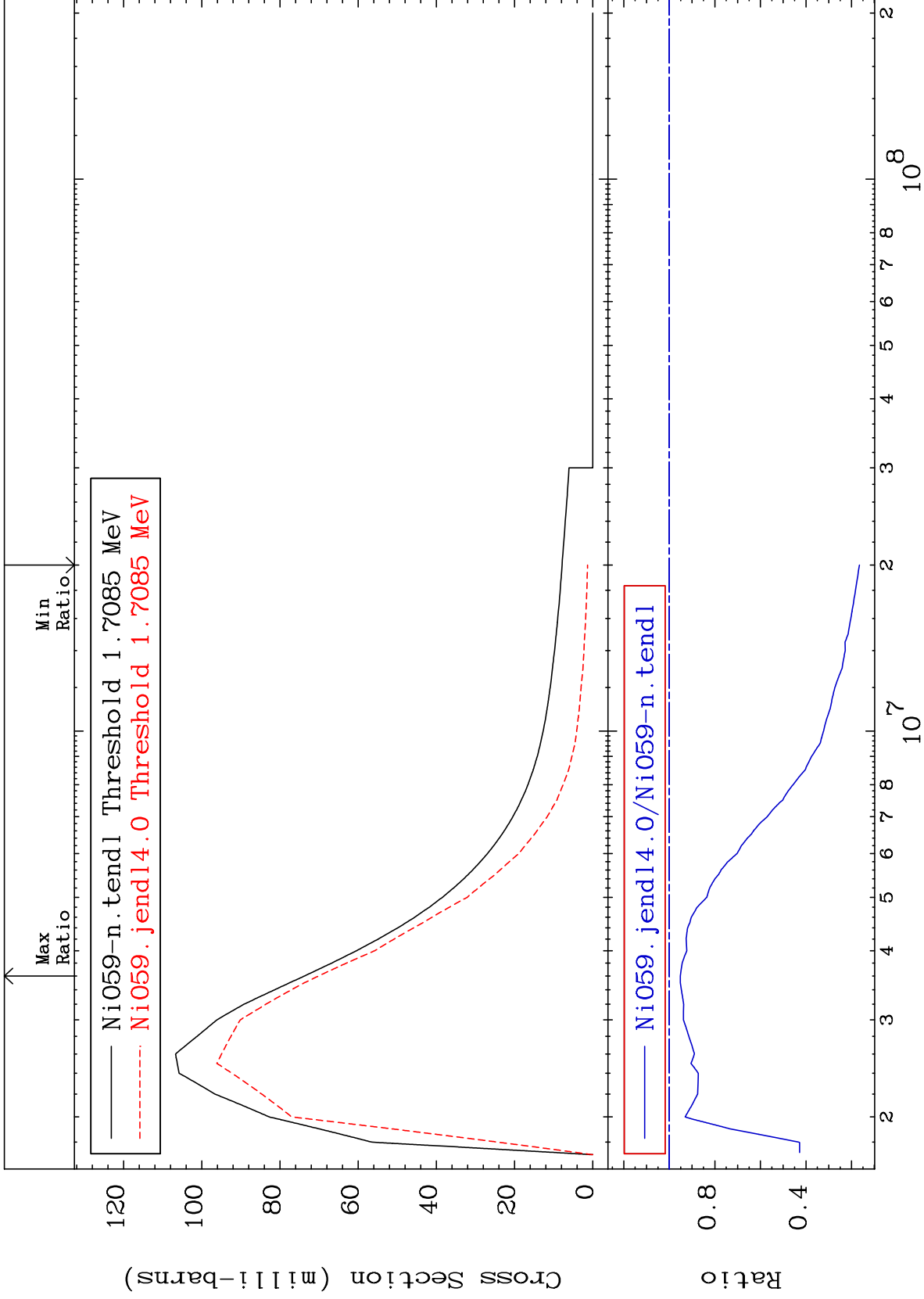




MAT 2828

1.680 MeV (n,n') Level
Cross Section

28-Ni-59
-83.46 To -4.859%



14

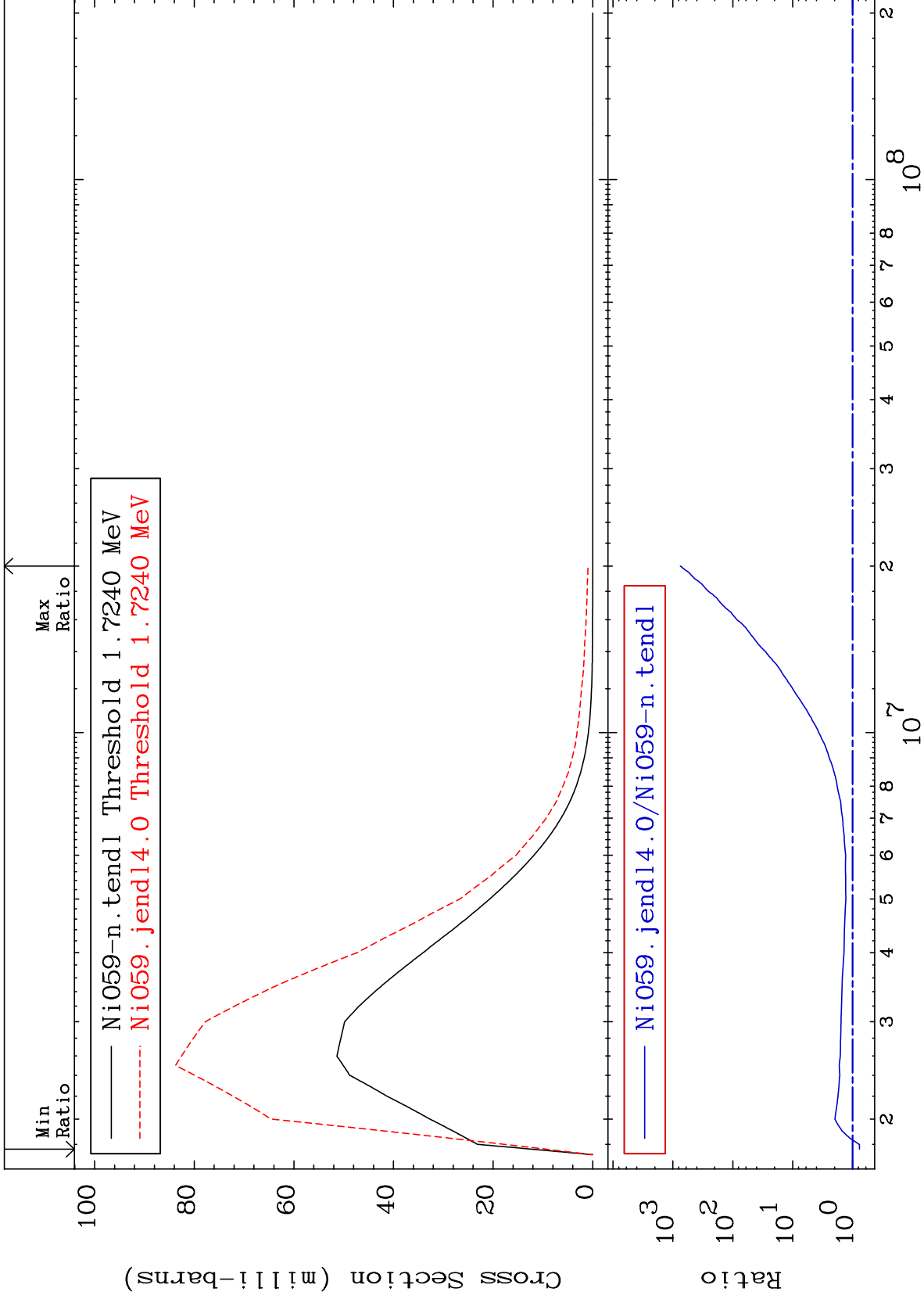
Incident Energy (eV)

28-Ni-59

MAT 2828

1.695 MeV (n,n') Level
Cross Section

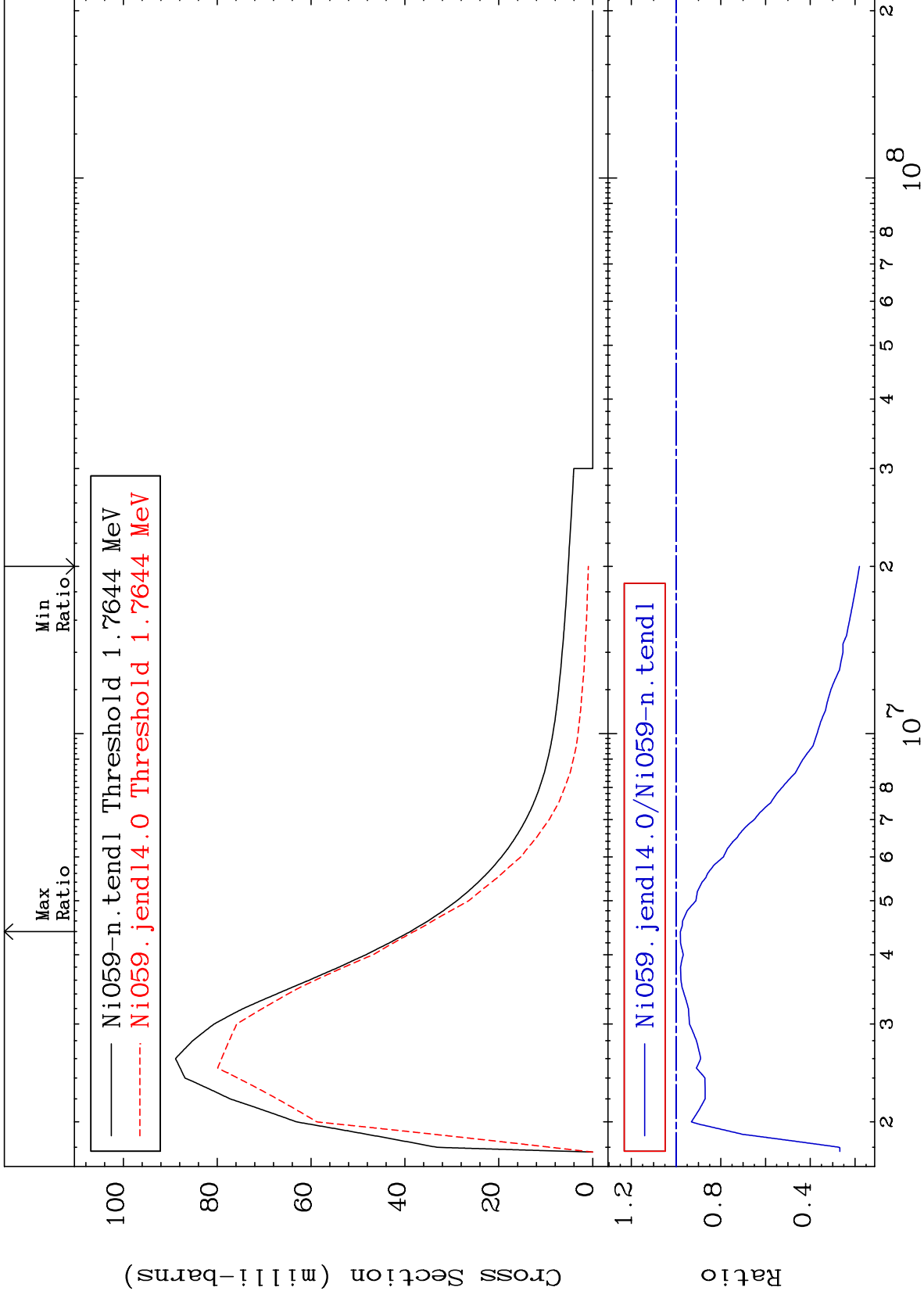
28-Ni-59
-23.17 To 9999. %



MAT 2828

1.735 MeV (n,n') Level
Cross Section

28-Ni-59
-81.98 To -1.915%



16

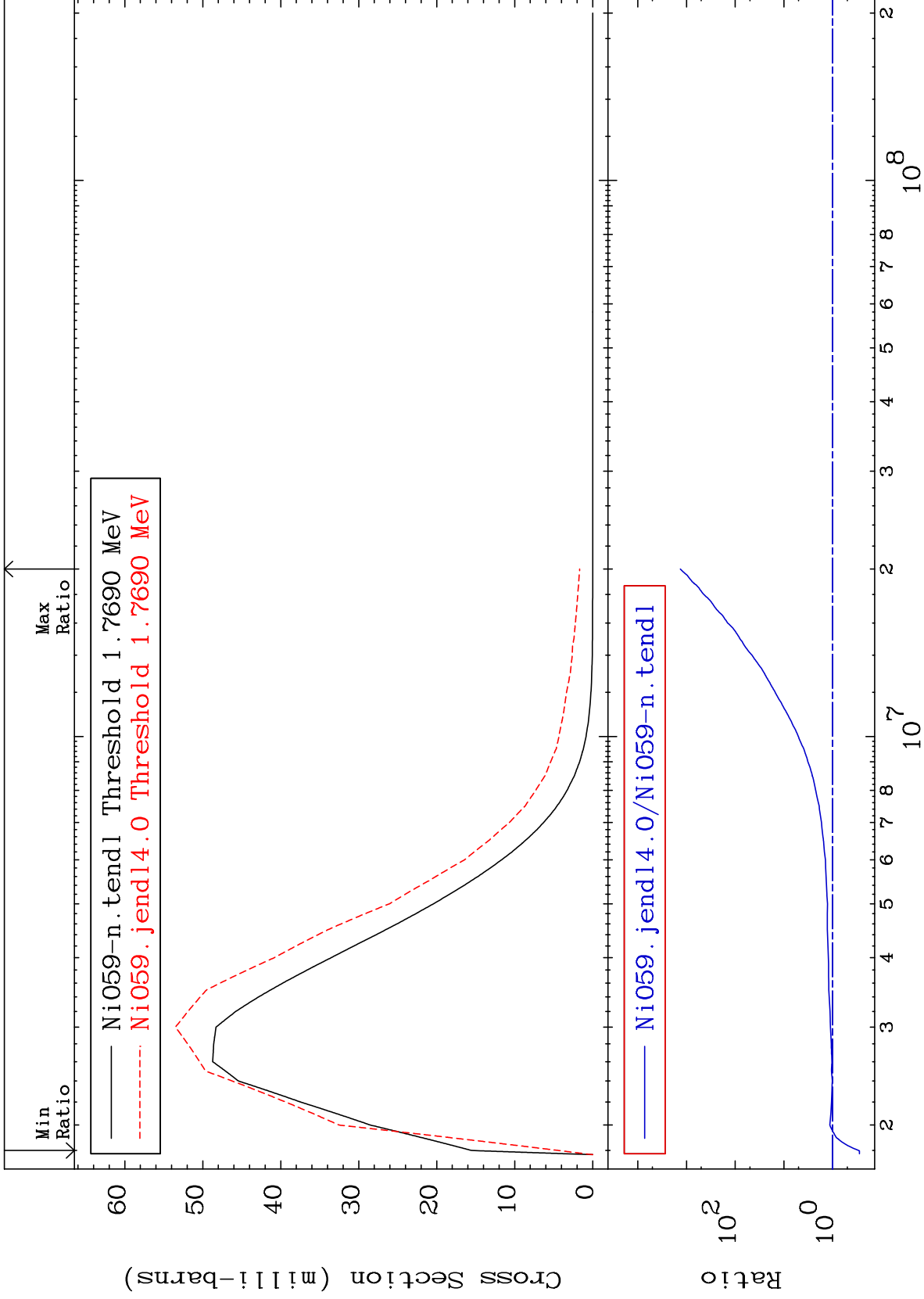
Incident Energy (eV)

28-Ni-59

MAT 2828

1.739 MeV (n,n') Level
Cross Section

28-Ni-59
-71.87 To 9999. %



17

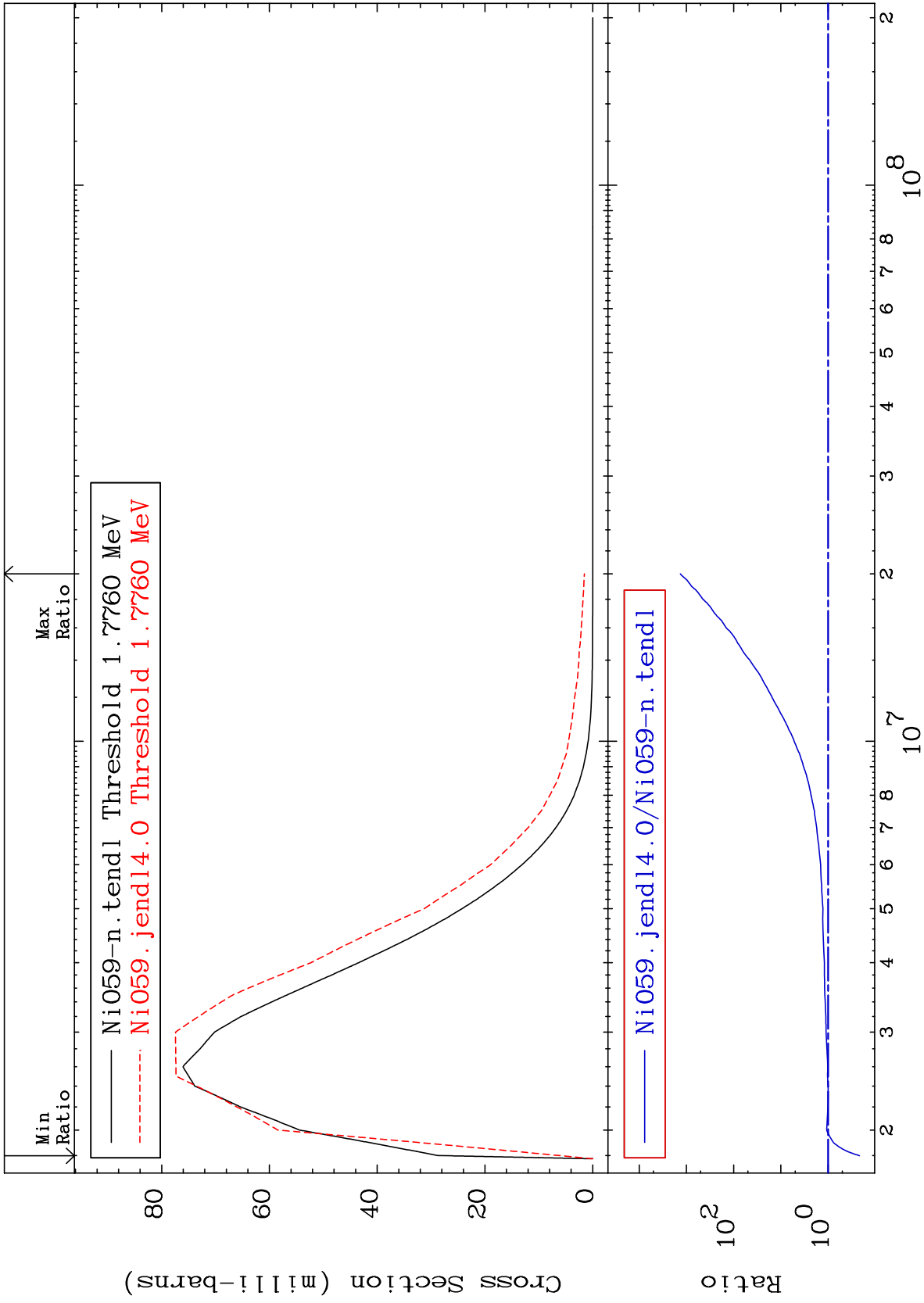
Incident Energy (eV)

28-Ni-59

MAT 2828

1.746 MeV (n,n') Level
Cross Section

28-Ni-59
-78.23 To 9999. %



18

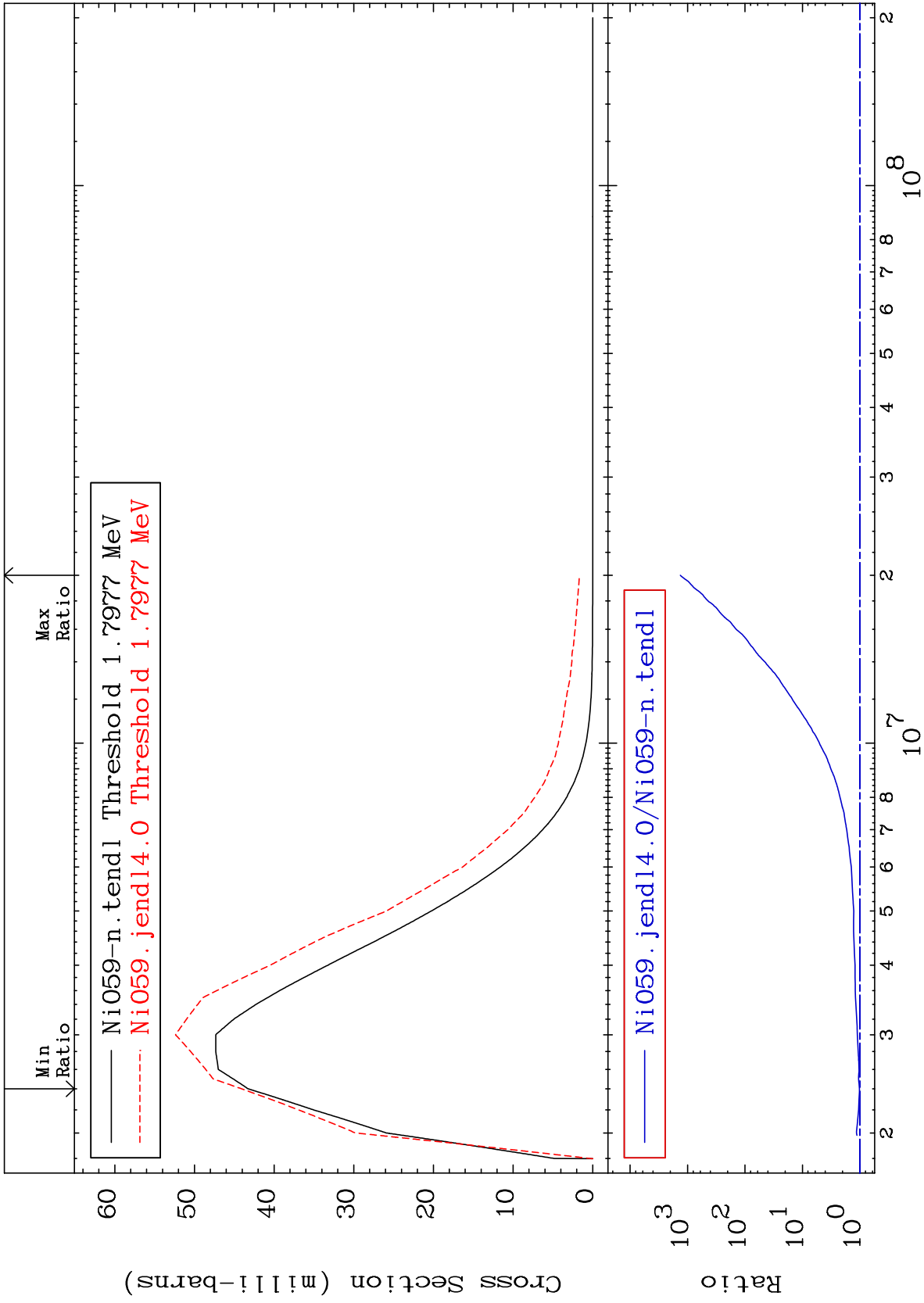
Incident Energy (eV)

28-Ni-59

MAT 2828

1.767 MeV (n,n') Level
Cross Section

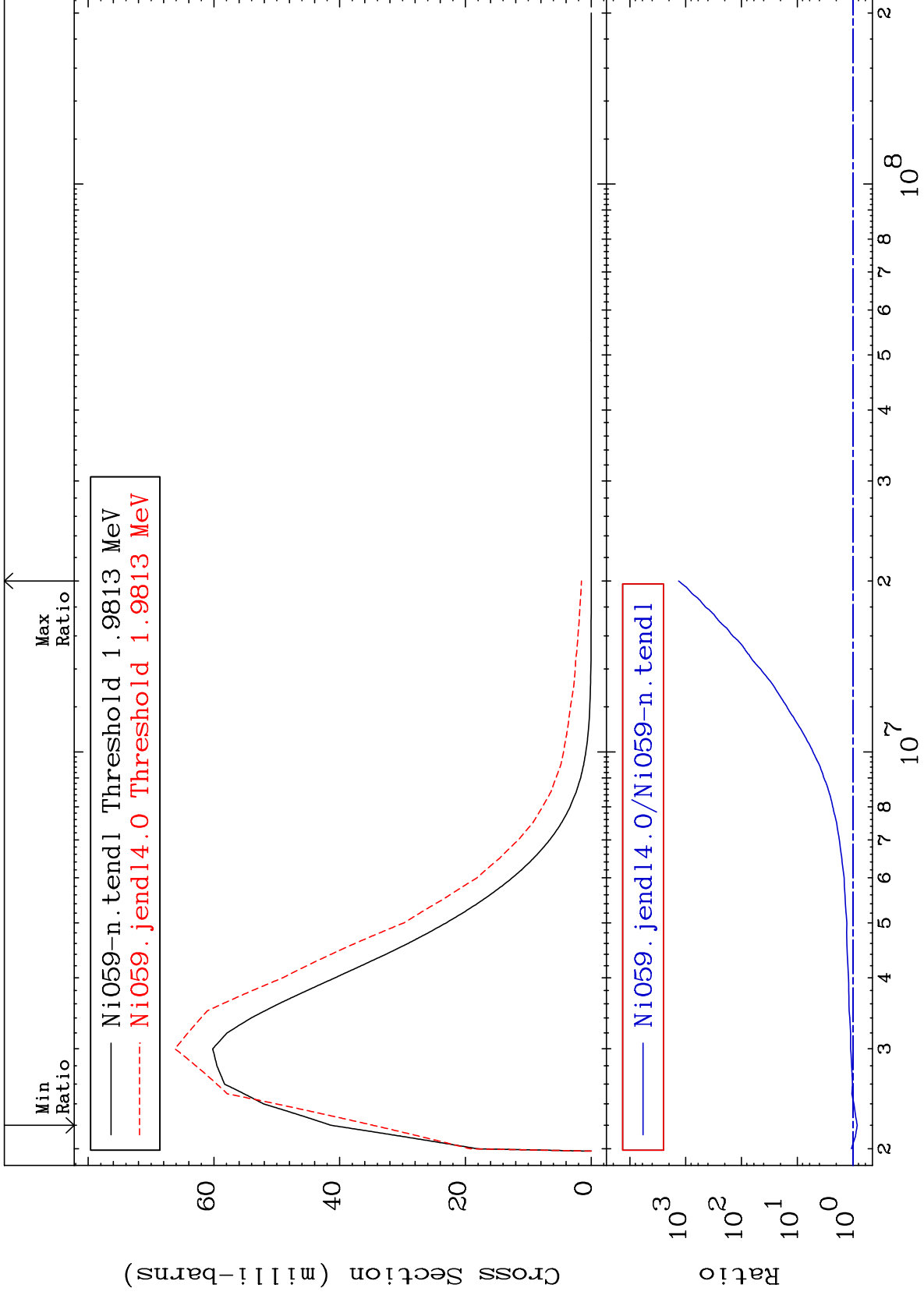
28-Ni-59
1.876 To 9999. %



MAT 2828

1.948 MeV (n,n') Level
Cross Section

28-Ni-59
-16.13 To 9999. %



20

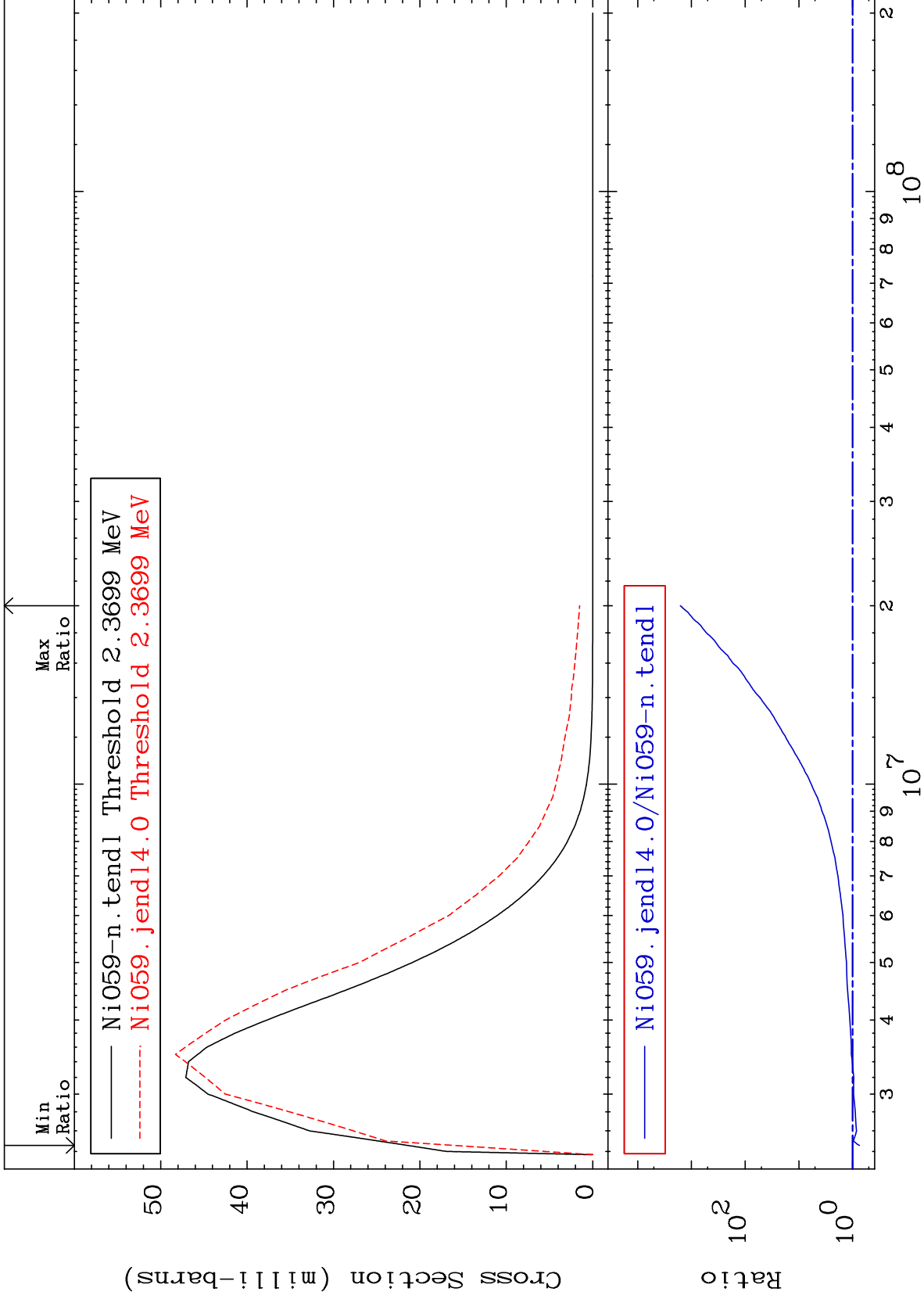
Incident Energy (eV)

28-Ni-59

MAT 2828

2.330 MeV (n,n') Level
Cross Section

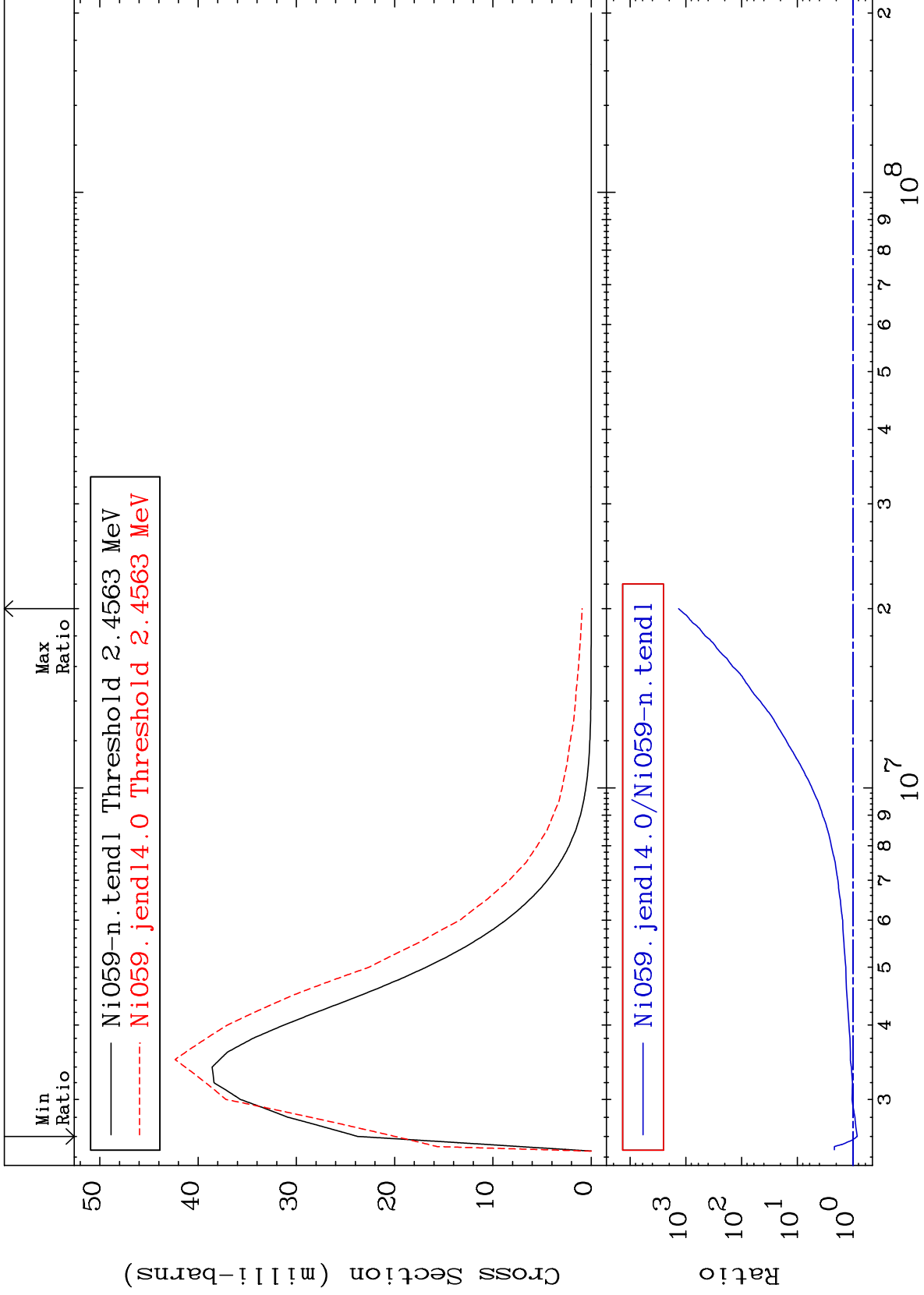
28-Ni-59
-25.49 To 9999. %



MAT 2828

2.415 MeV (n,n') Level
Cross Section

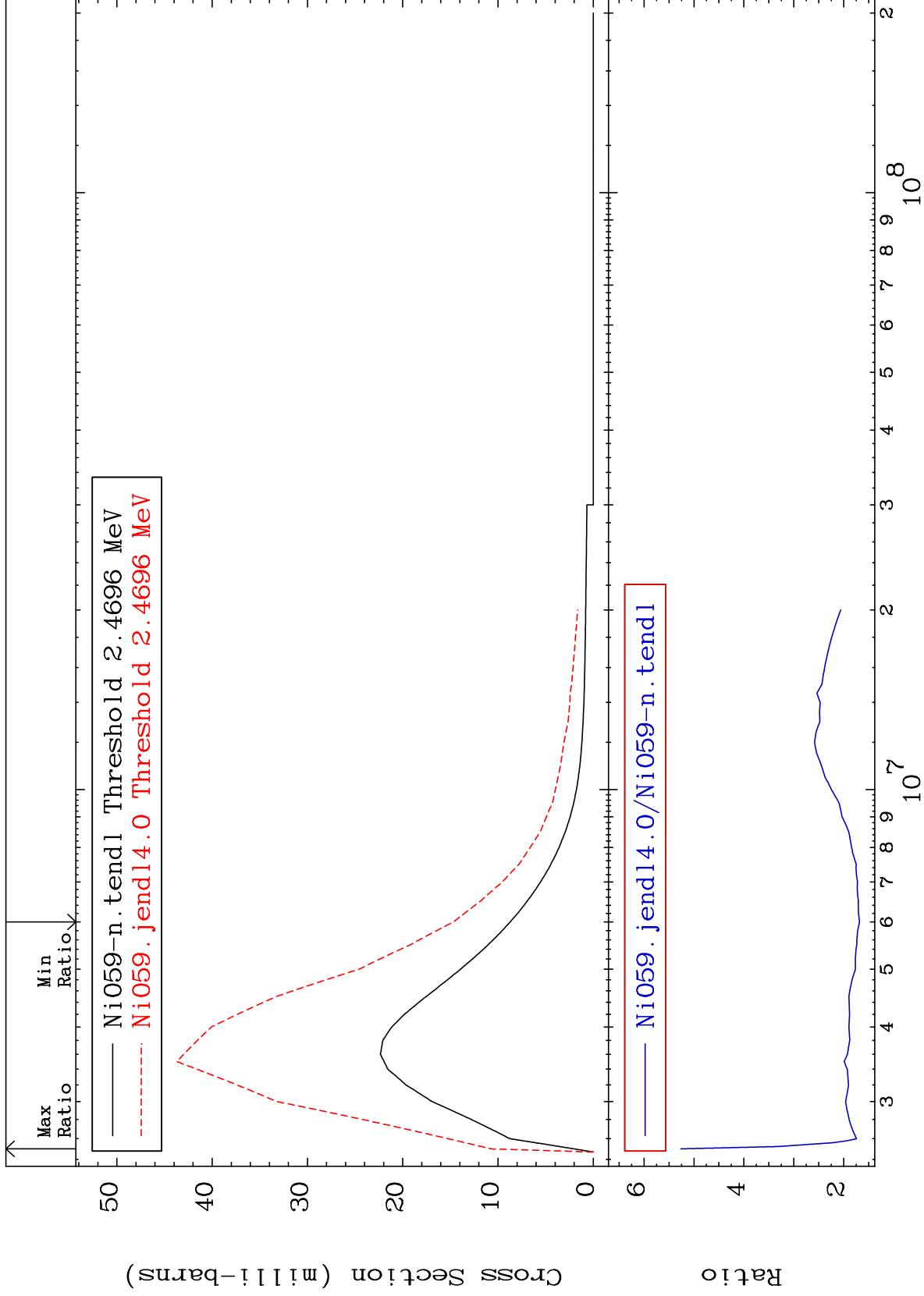
28-Ni-59
-16.00 To 9999. %

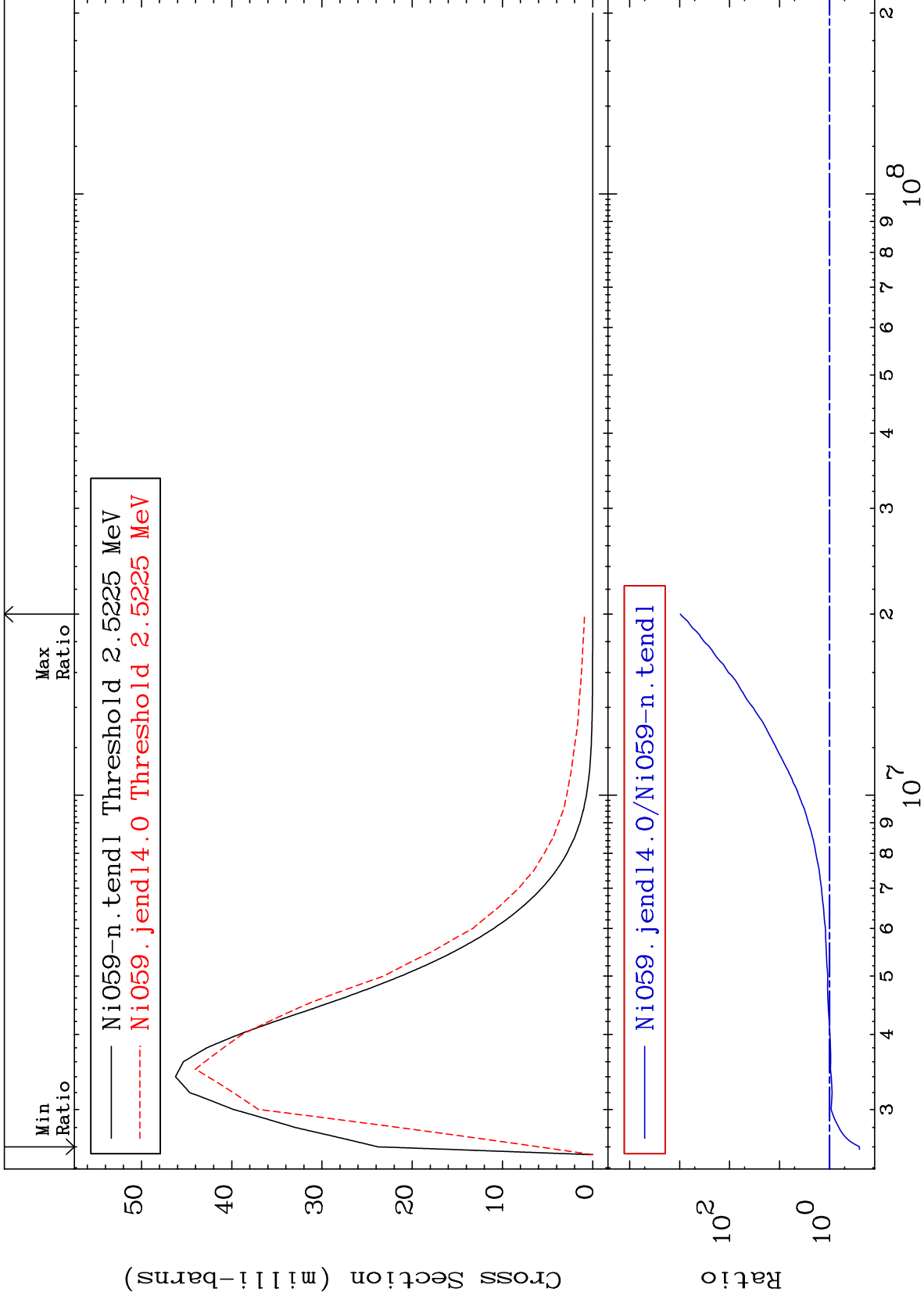


MAT 2828

2.428 MeV (n,n') Level
Cross Section

28-Ni-59
68.28 To 426.4 %

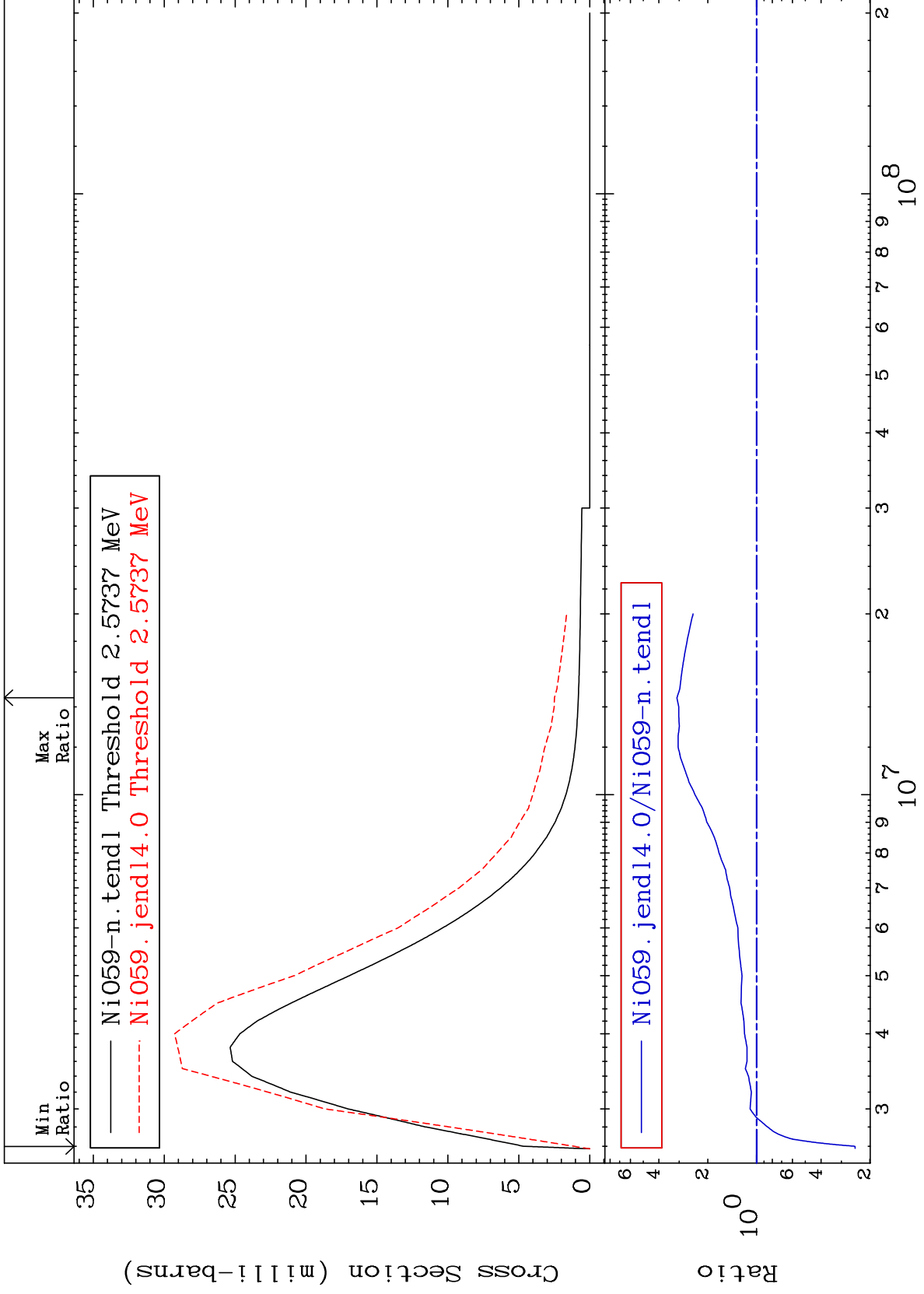




MAT 2828

2.530 MeV (n,n') Level
Cross Section

28-Ni-59
-75.33 To 209.8 %



25

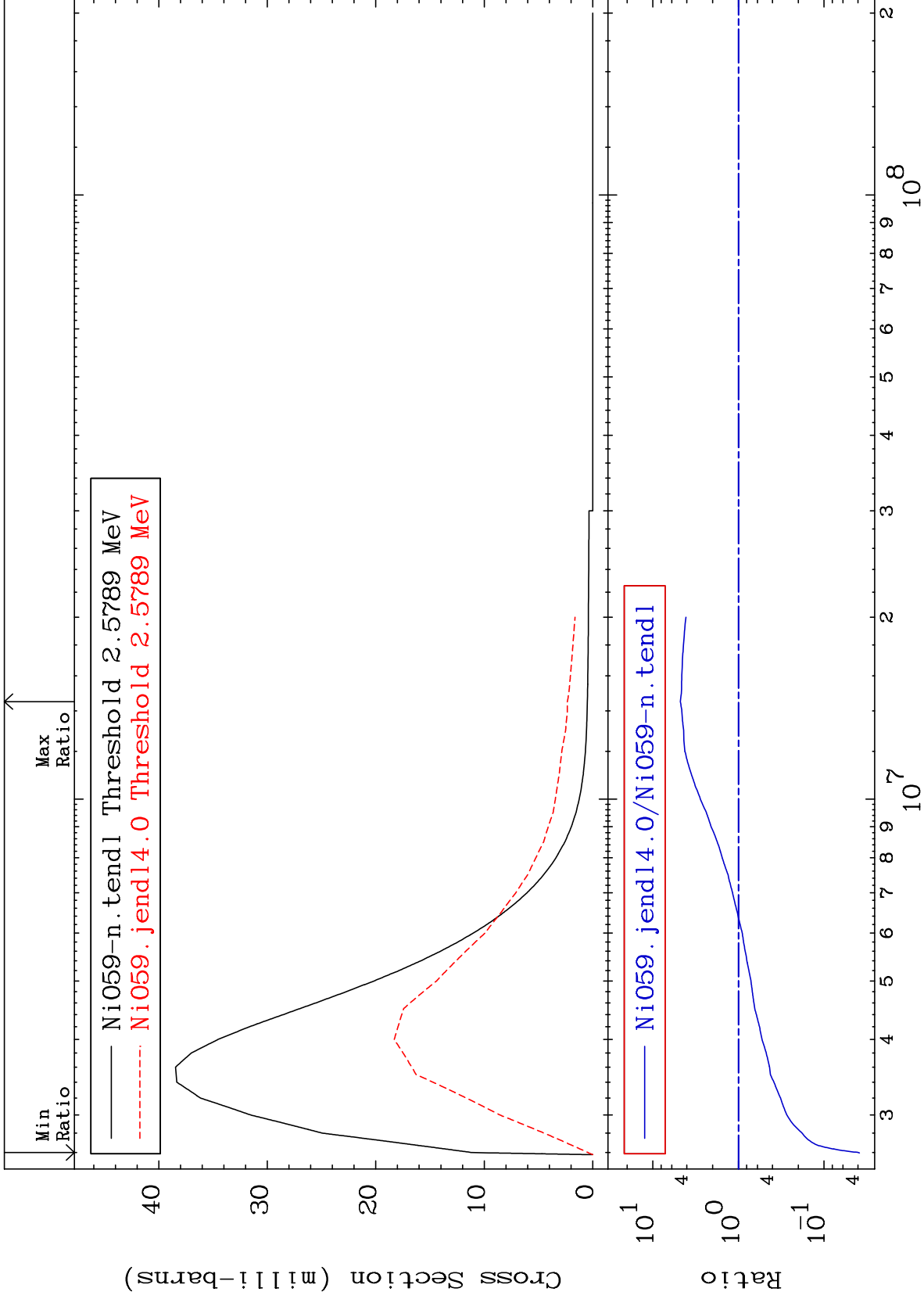
Incident Energy (eV)

28-Ni-59

MAT 2828

2.536 MeV (n,n') Level
Cross Section

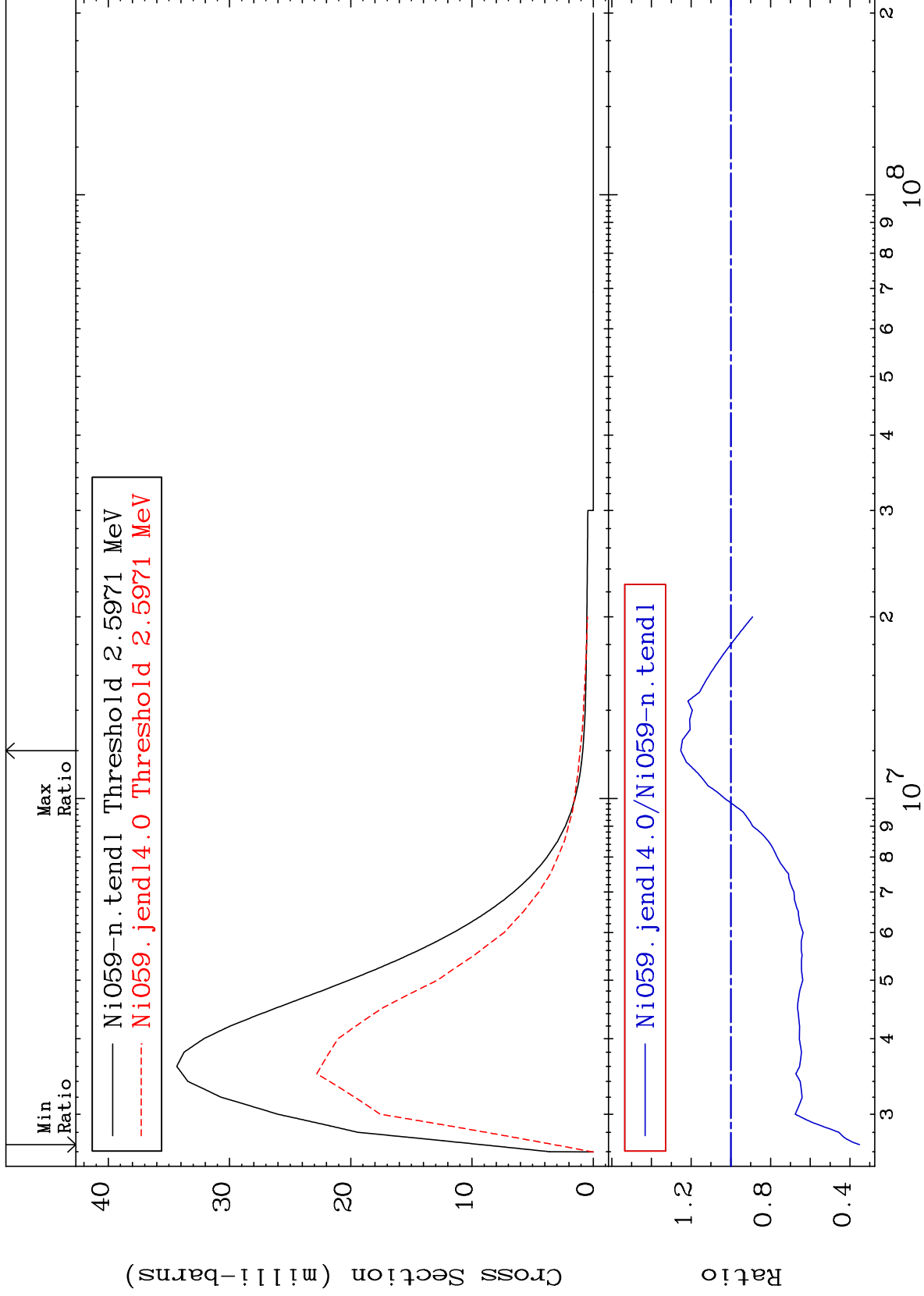
28-Ni-59
-96.14 To 376.6 %



MAT 2828

2.553 MeV (n,n') Level
Cross Section

28-Ni-59
-64.82 To 25.23 %



27

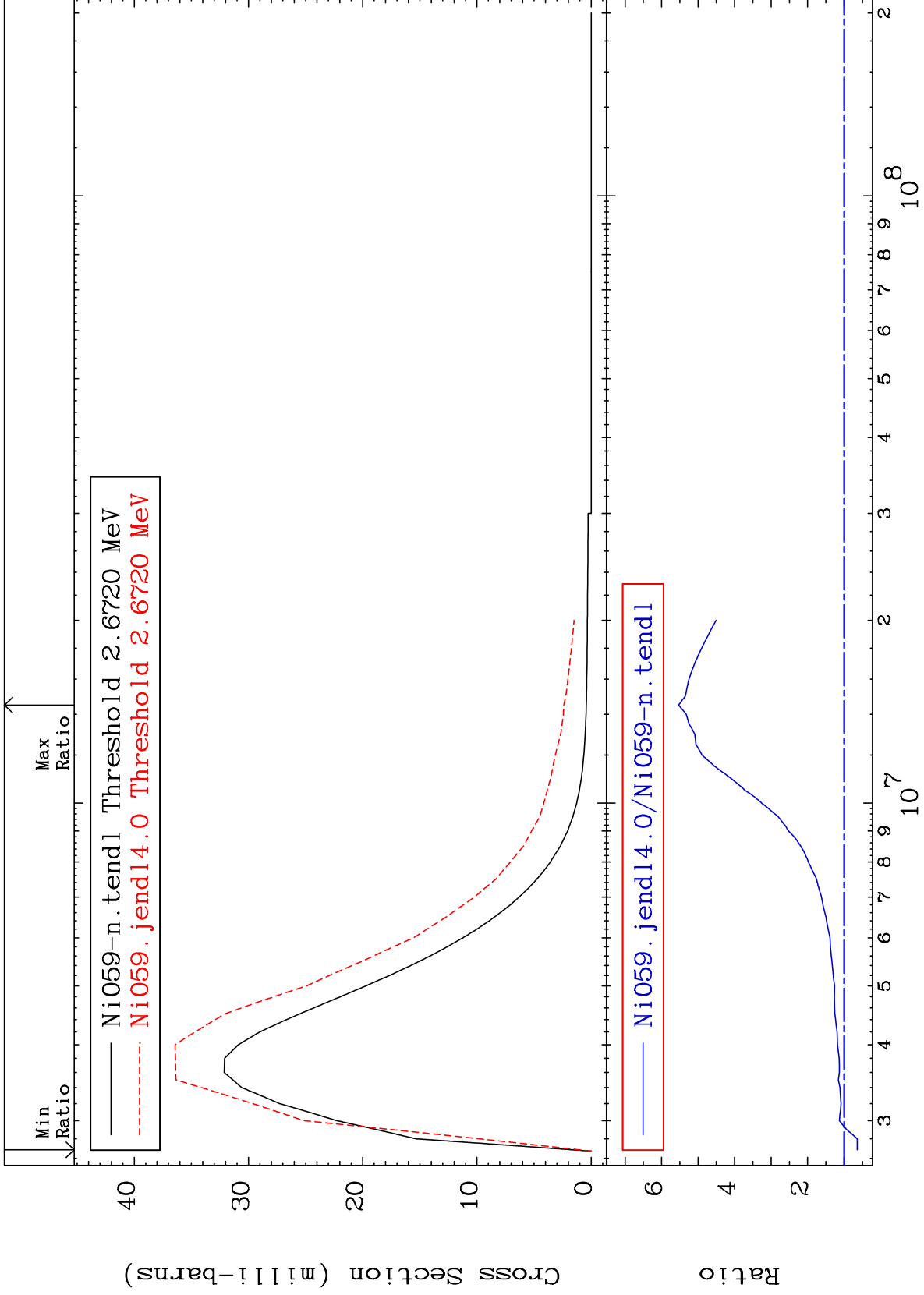
Incident Energy (eV)

28-Ni-59

MAT 2828

2.627 MeV (n,n') Level
Cross Section

28-Ni-59
-35.96 To 453.3 %



28

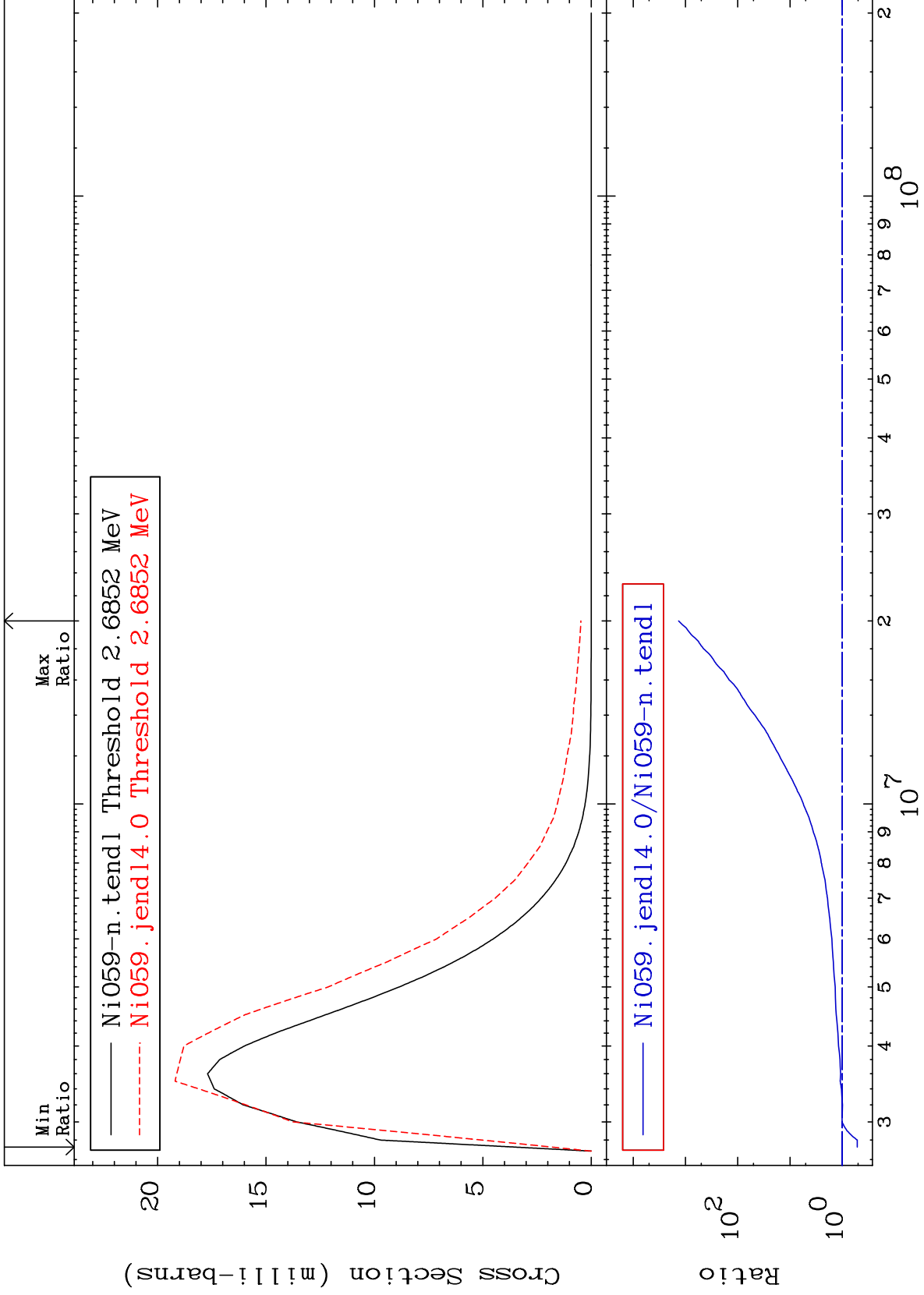
Incident Energy (eV)

28-Ni-59

MAT 2828

2.640 MeV (n,n') Level
Cross Section

28-Ni-59
-48.34 To 9999. %



29

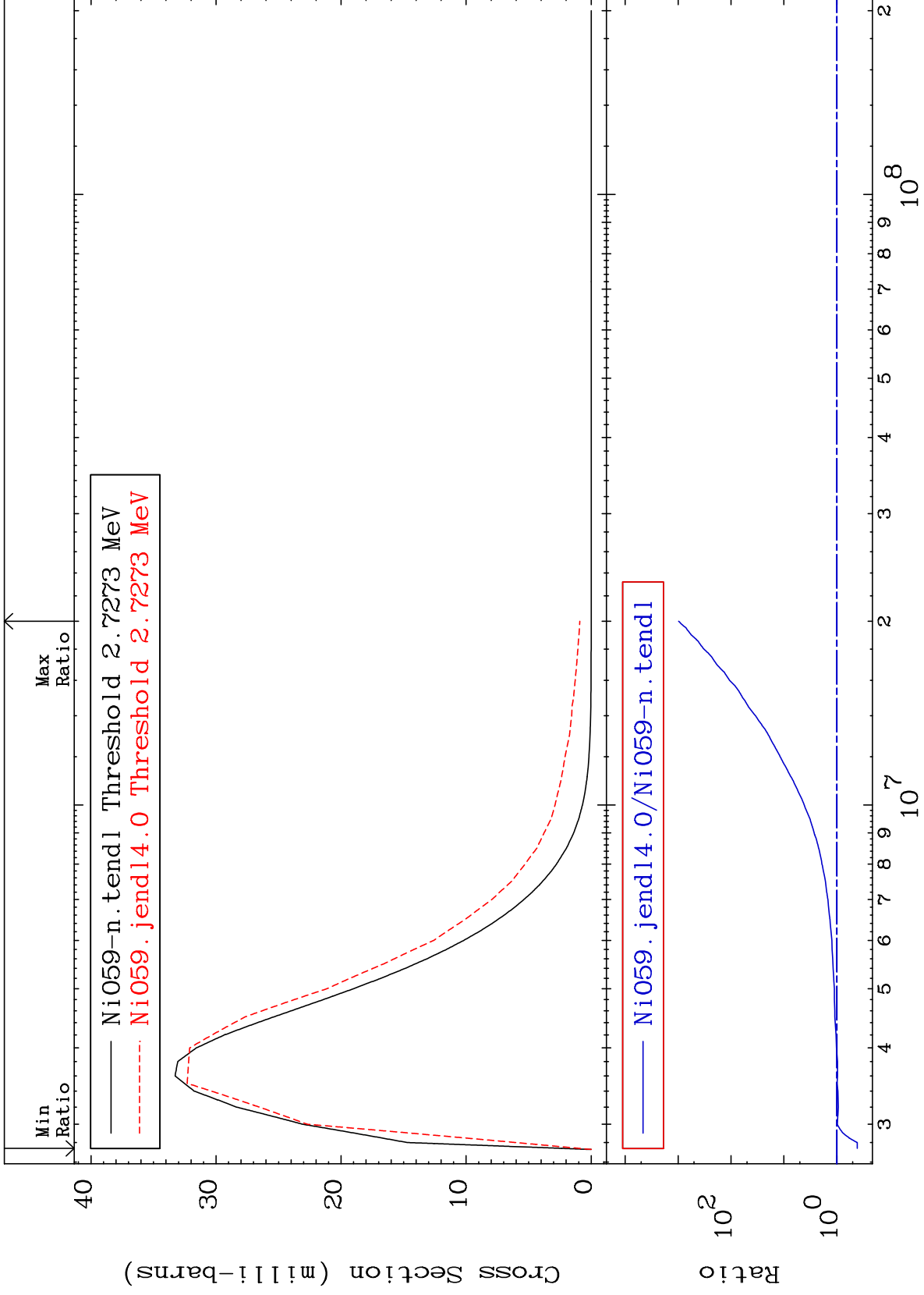
Incident Energy (eV)

28-Ni-59

MAT 2828

2.681 MeV (n,n') Level
Cross Section

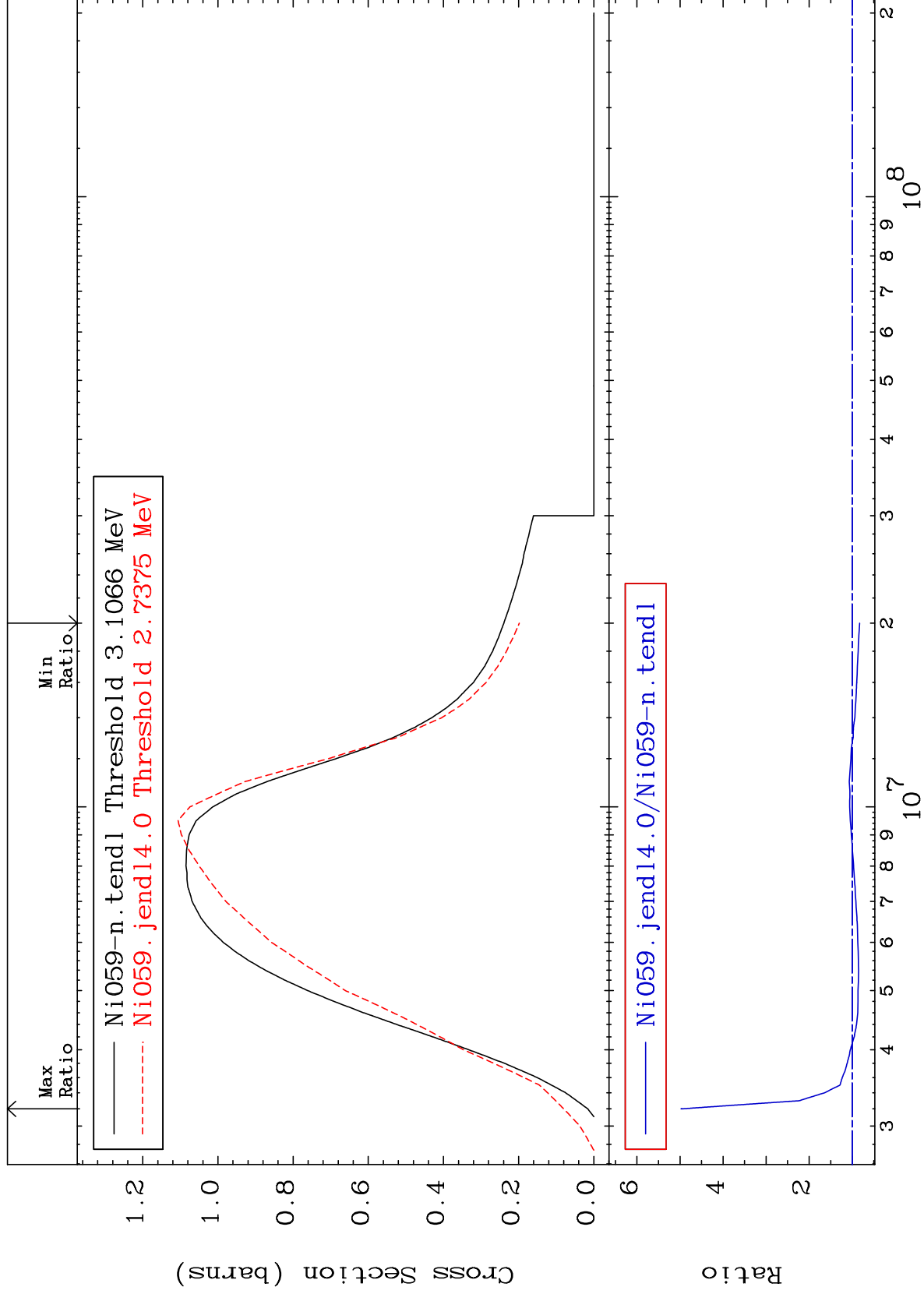
28-Ni-59
-58.90 To 9999. %



30

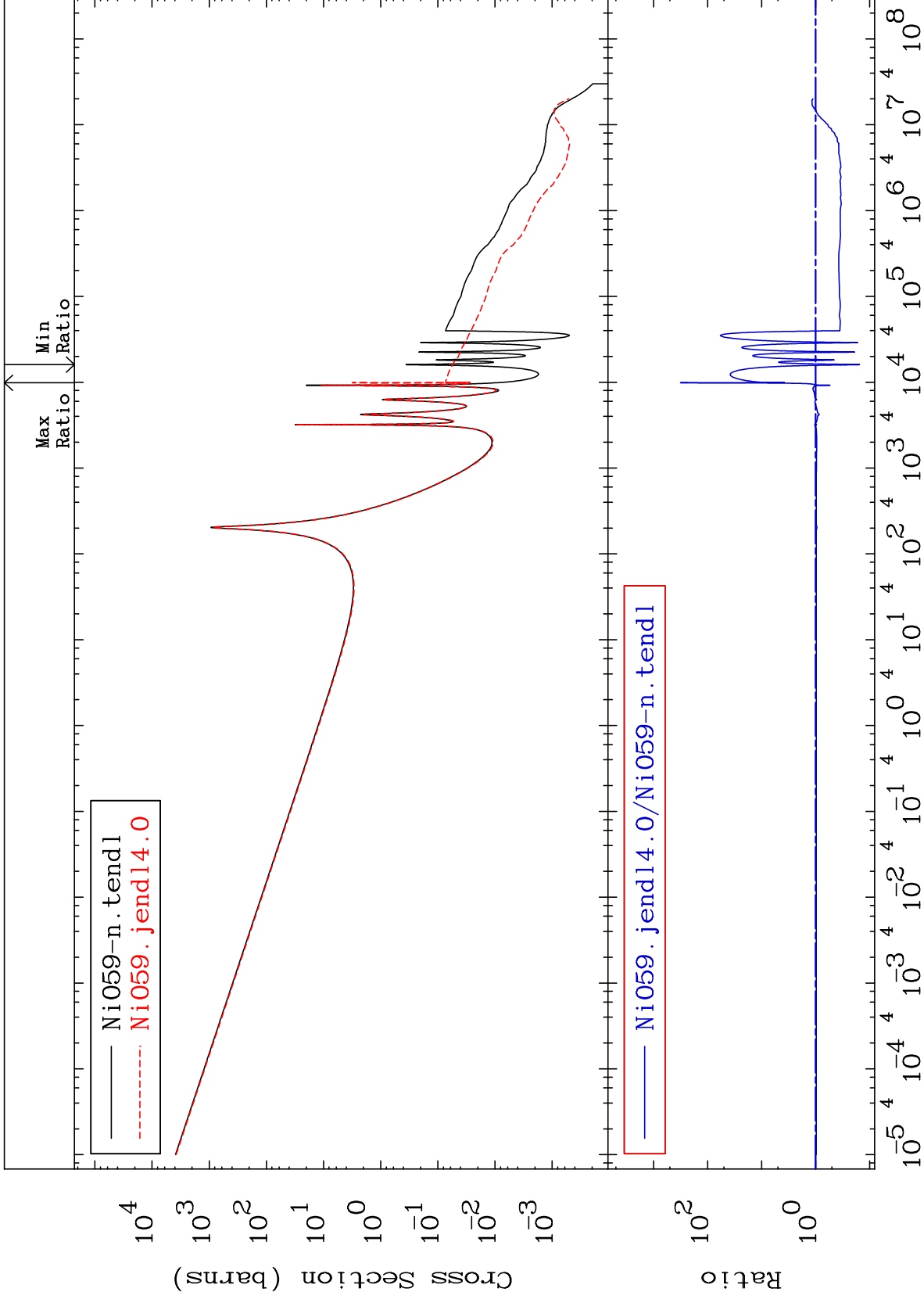
Incident Energy (eV)

28-Ni-59

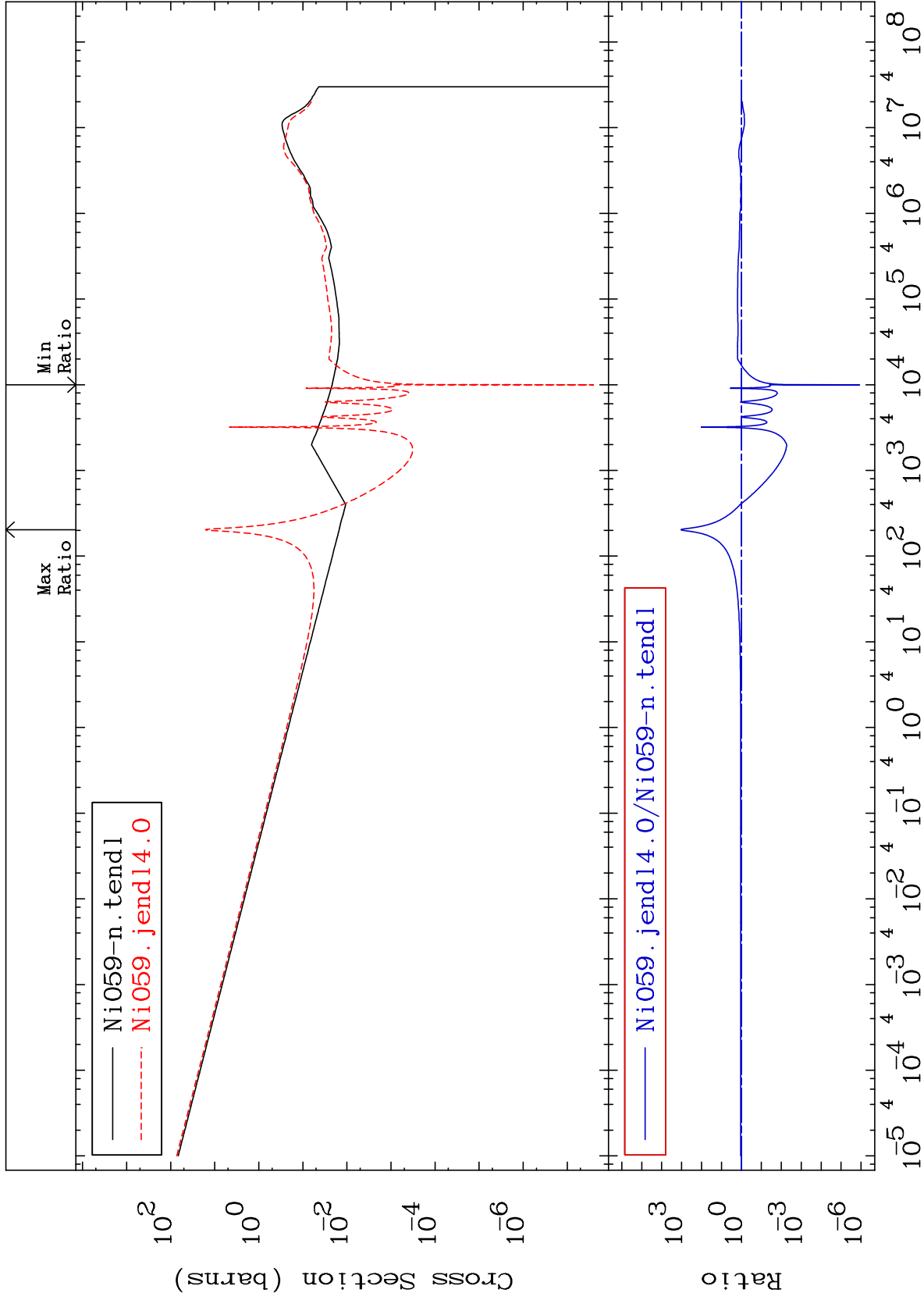


Cross Section

-84.53 To 9999. %

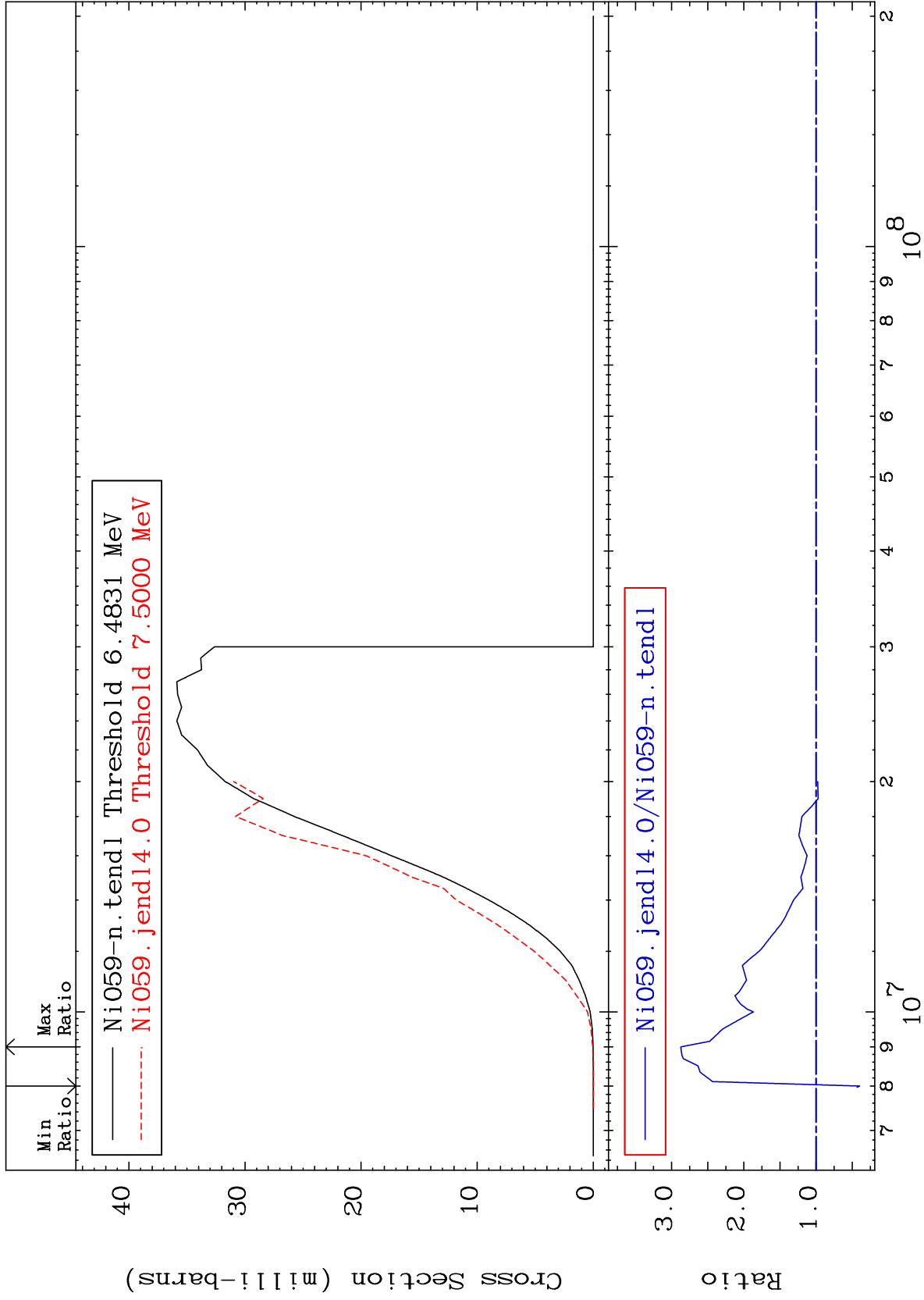


(n,p)
Cross Section
-100.0 To 9999. %



Cross Section

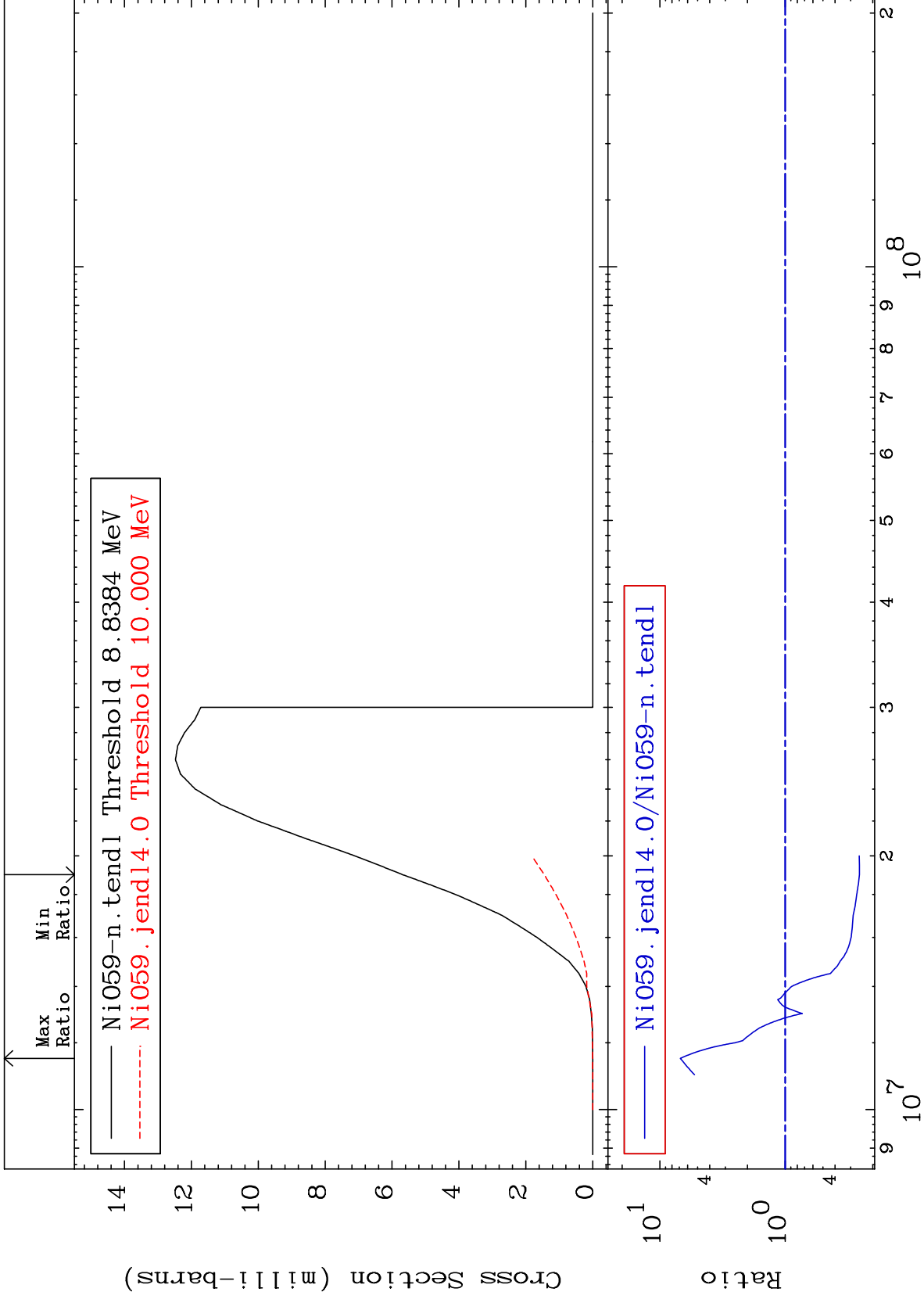
-60.10 To 187.3 %



MAT 2828

(n, t)
Cross Section

28-Ni-59
-74.47 To 585.3 %



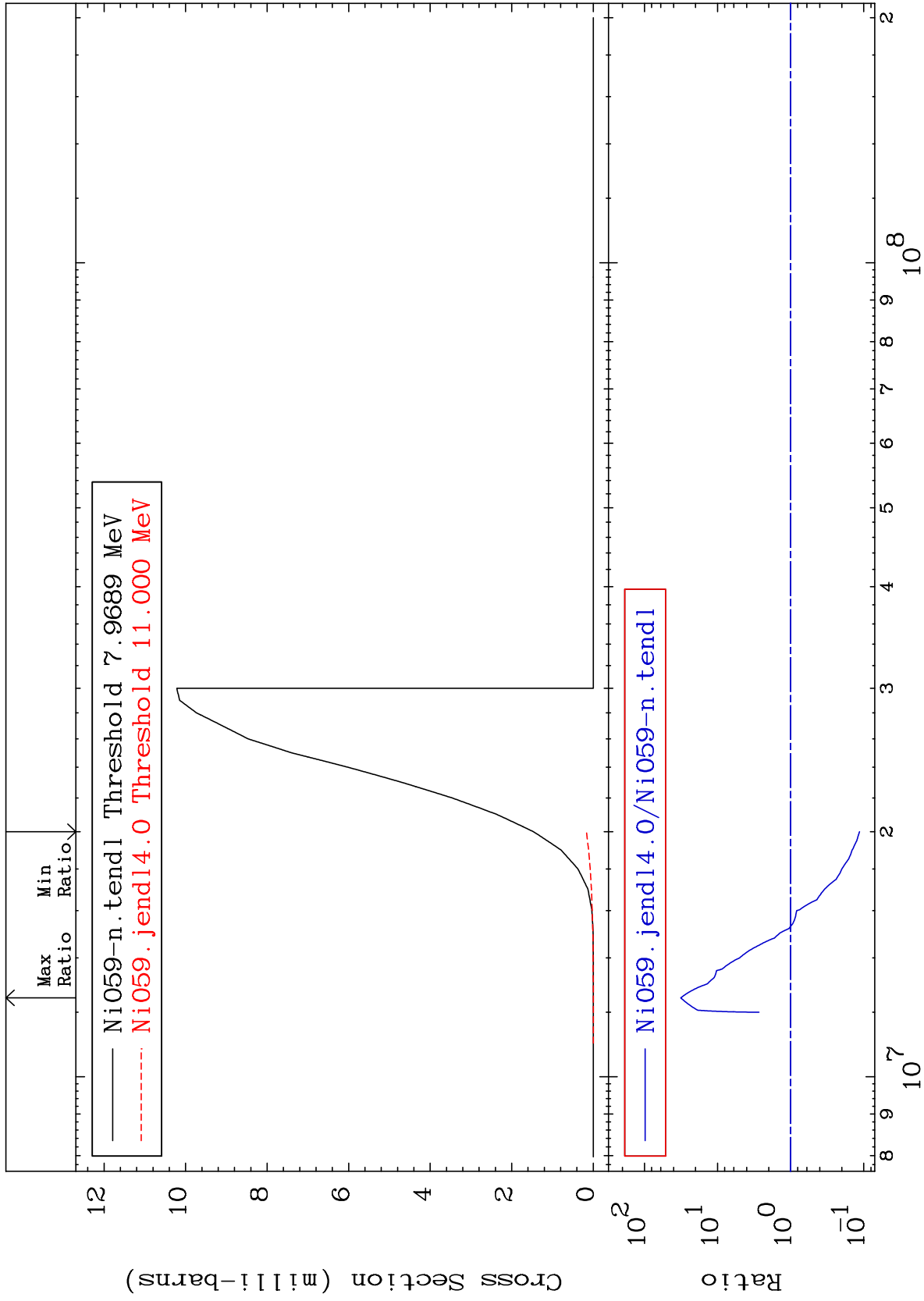
35

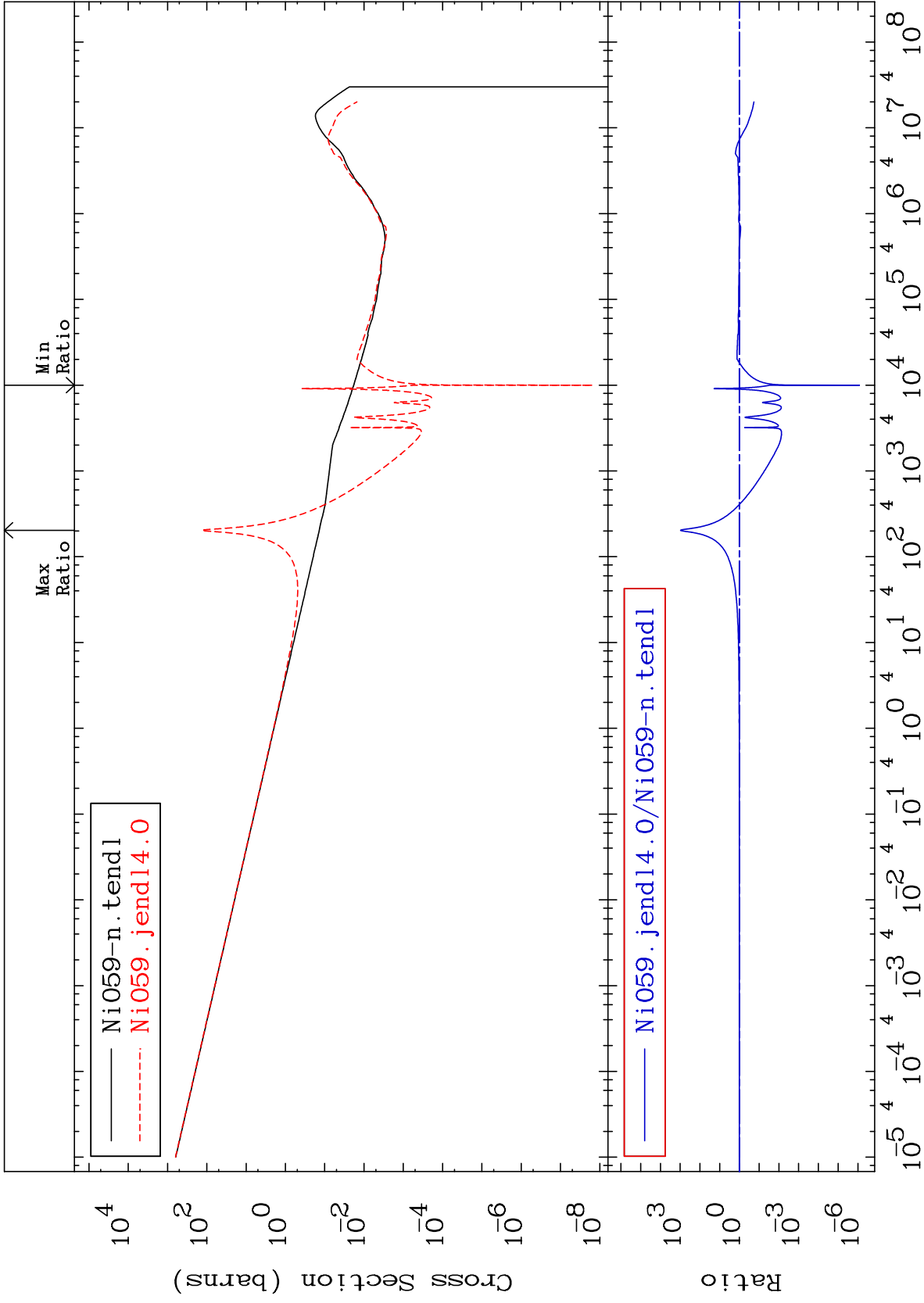
28-Ni-59

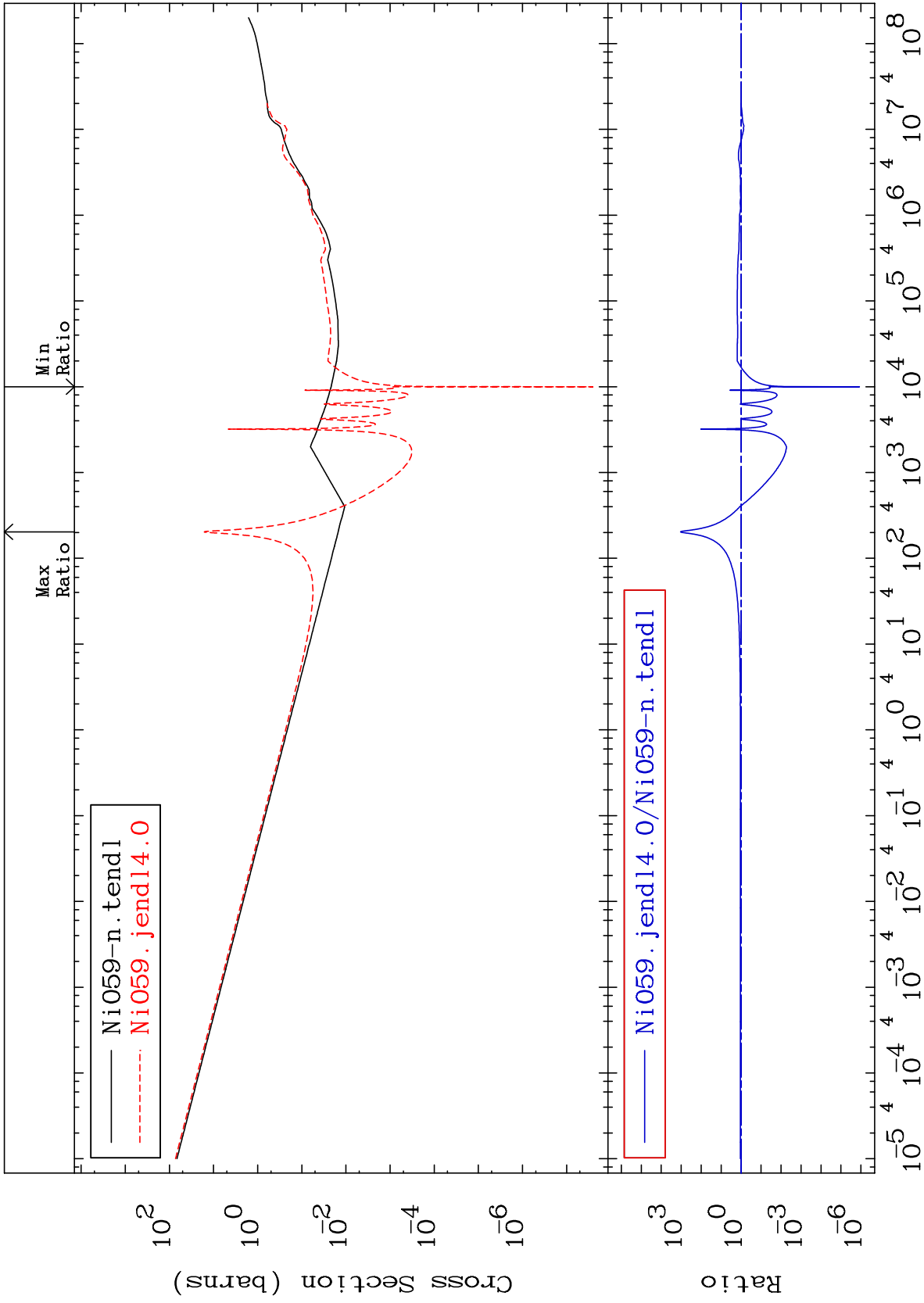
28-Ni-59

Cross Section

-88.56 To 3086. %



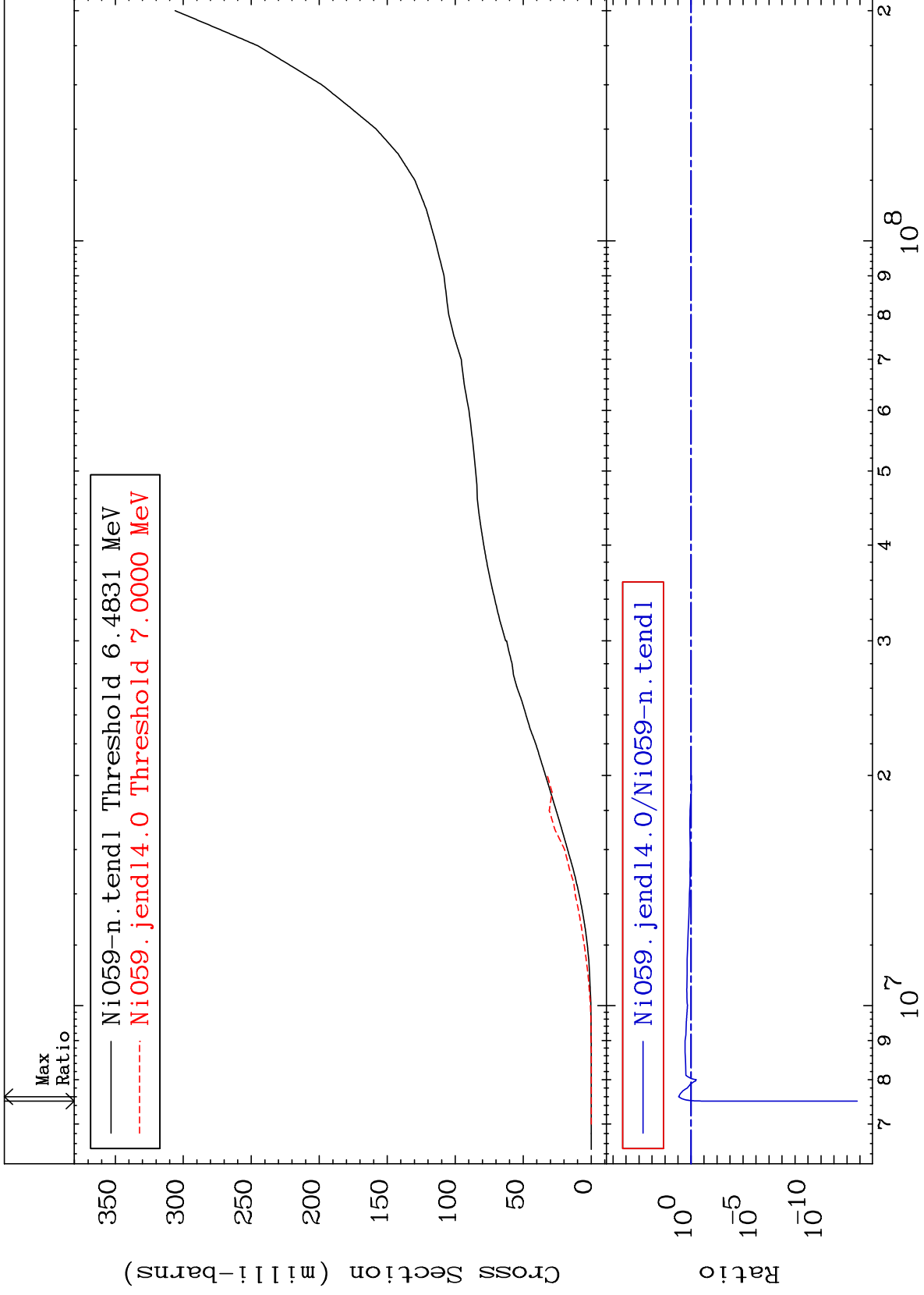




MAT 2828

Deuterium Production
Cross Section

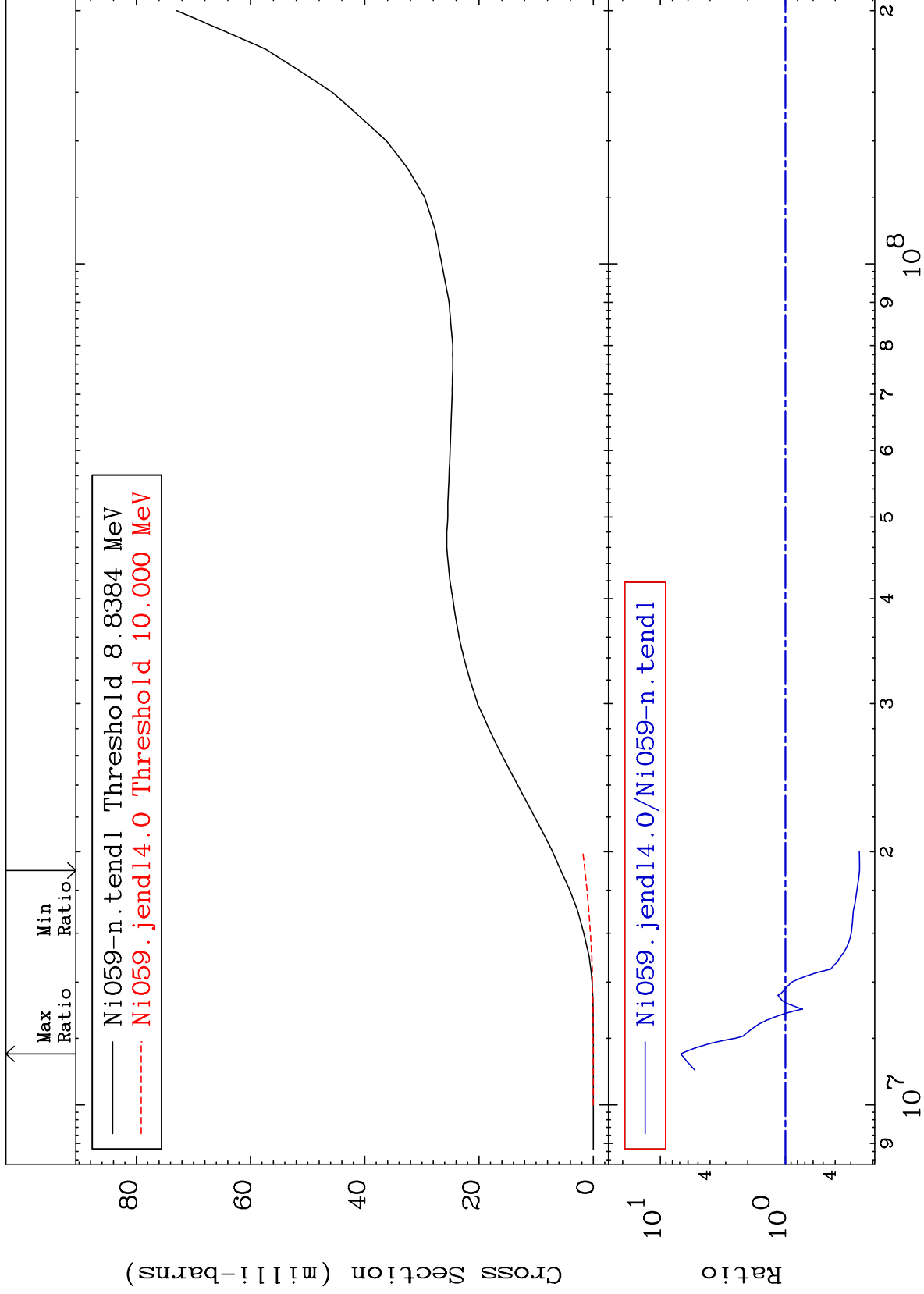
²⁸Ni-59
-100.0 To 792.3 %



MAT 2828

Tritium Production
Cross Section

28-Ni-59
-74.47 To 585.3 %



40

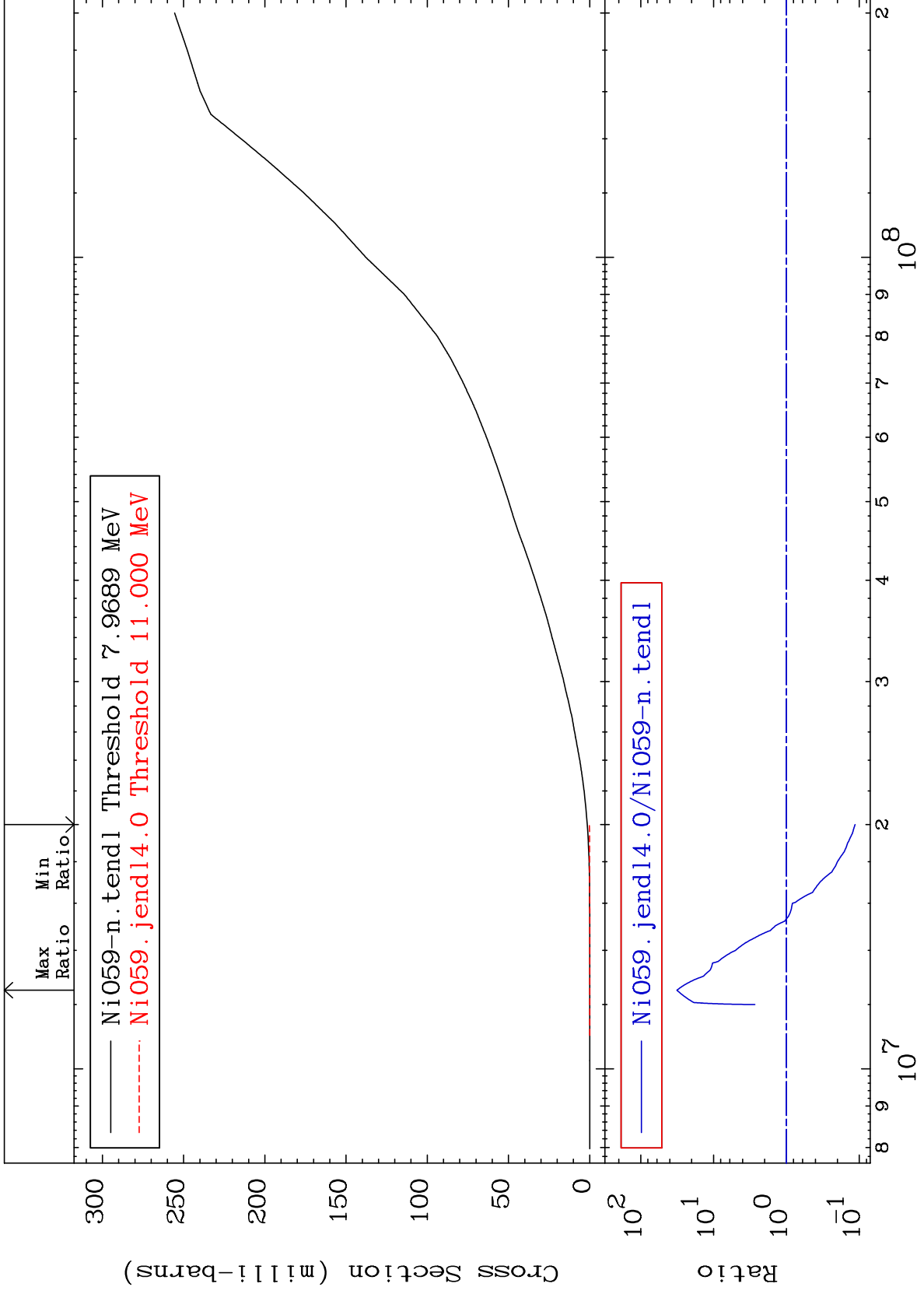
Incident Energy (eV)

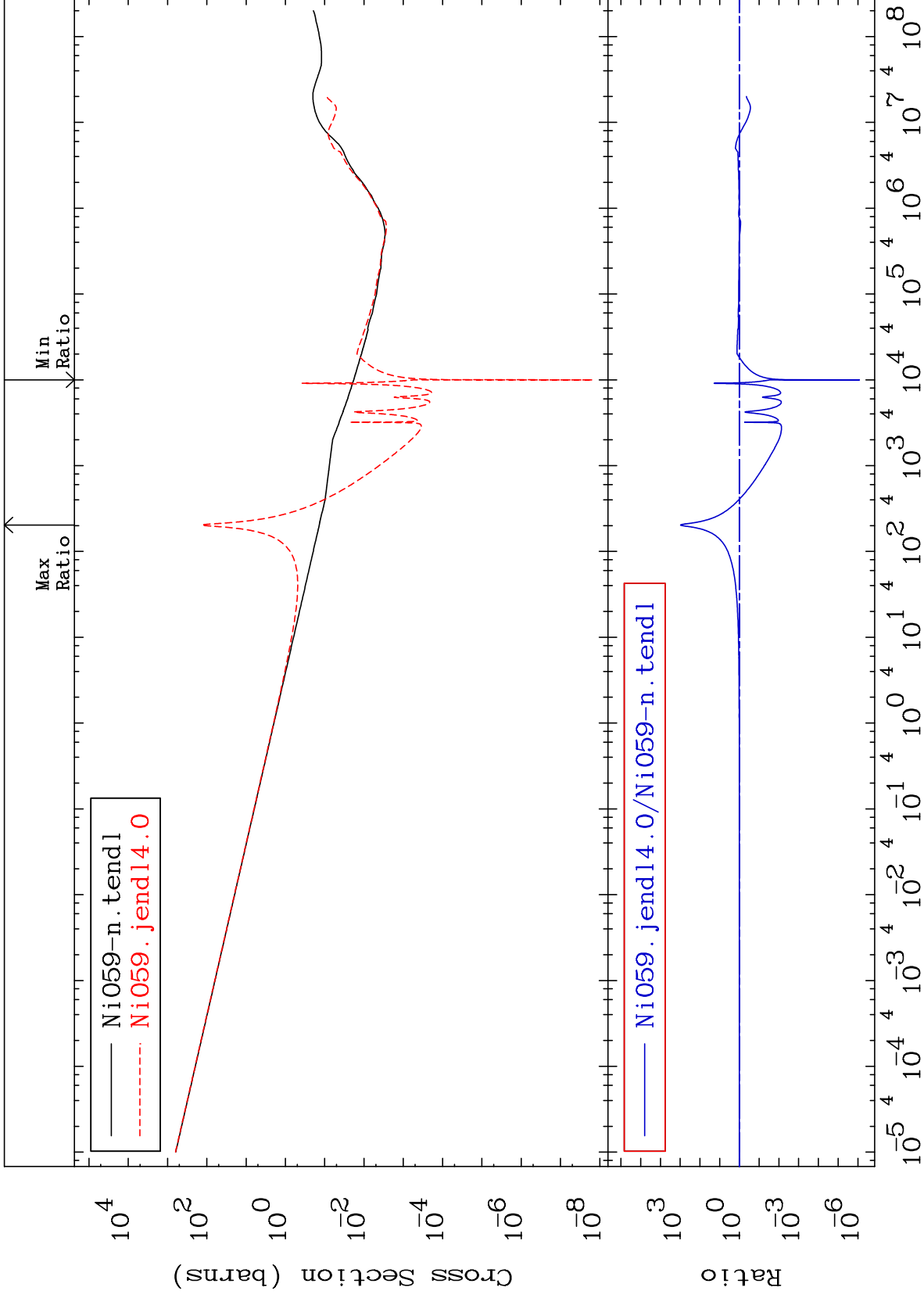
28-Ni-59

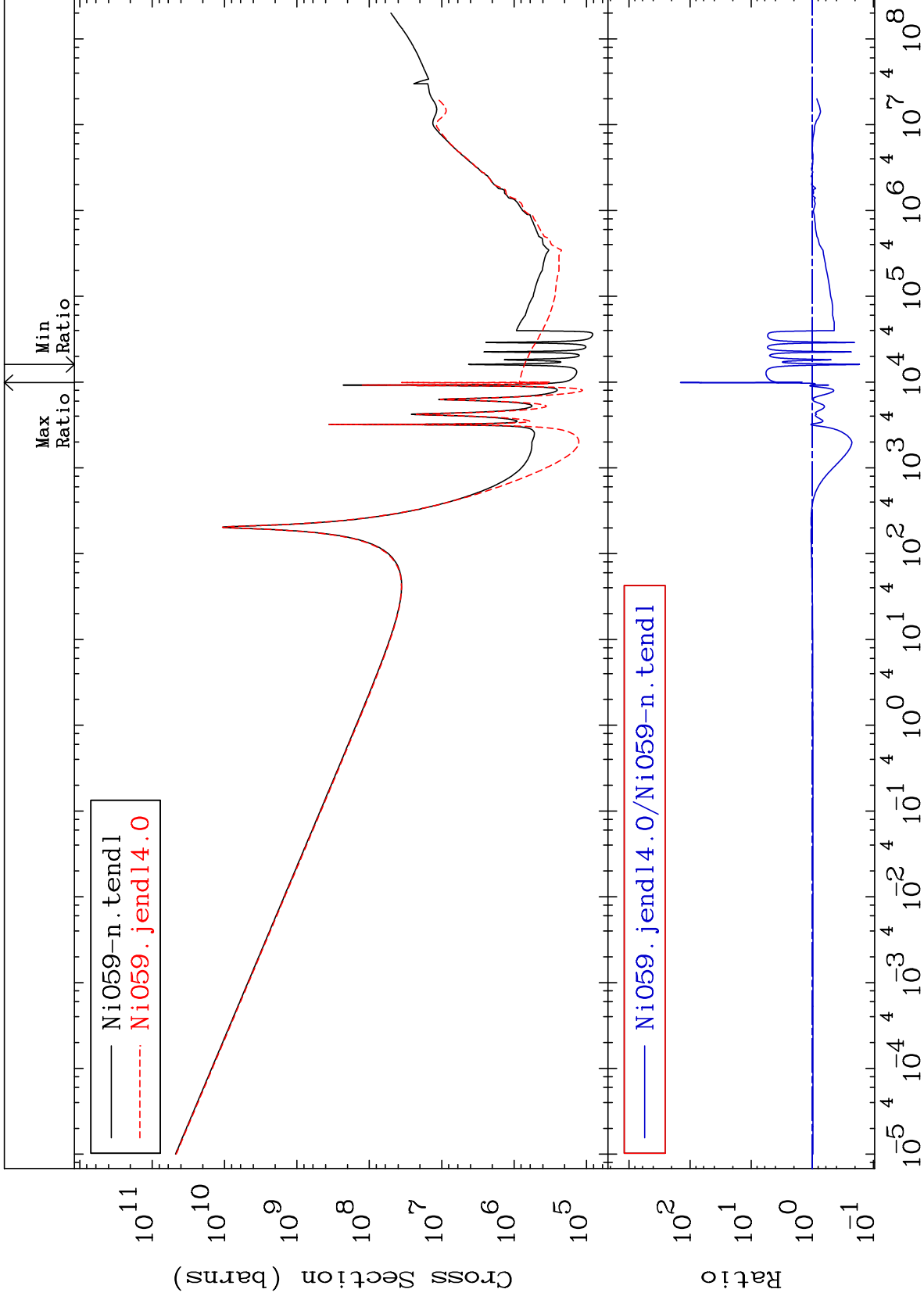
MAT 2828

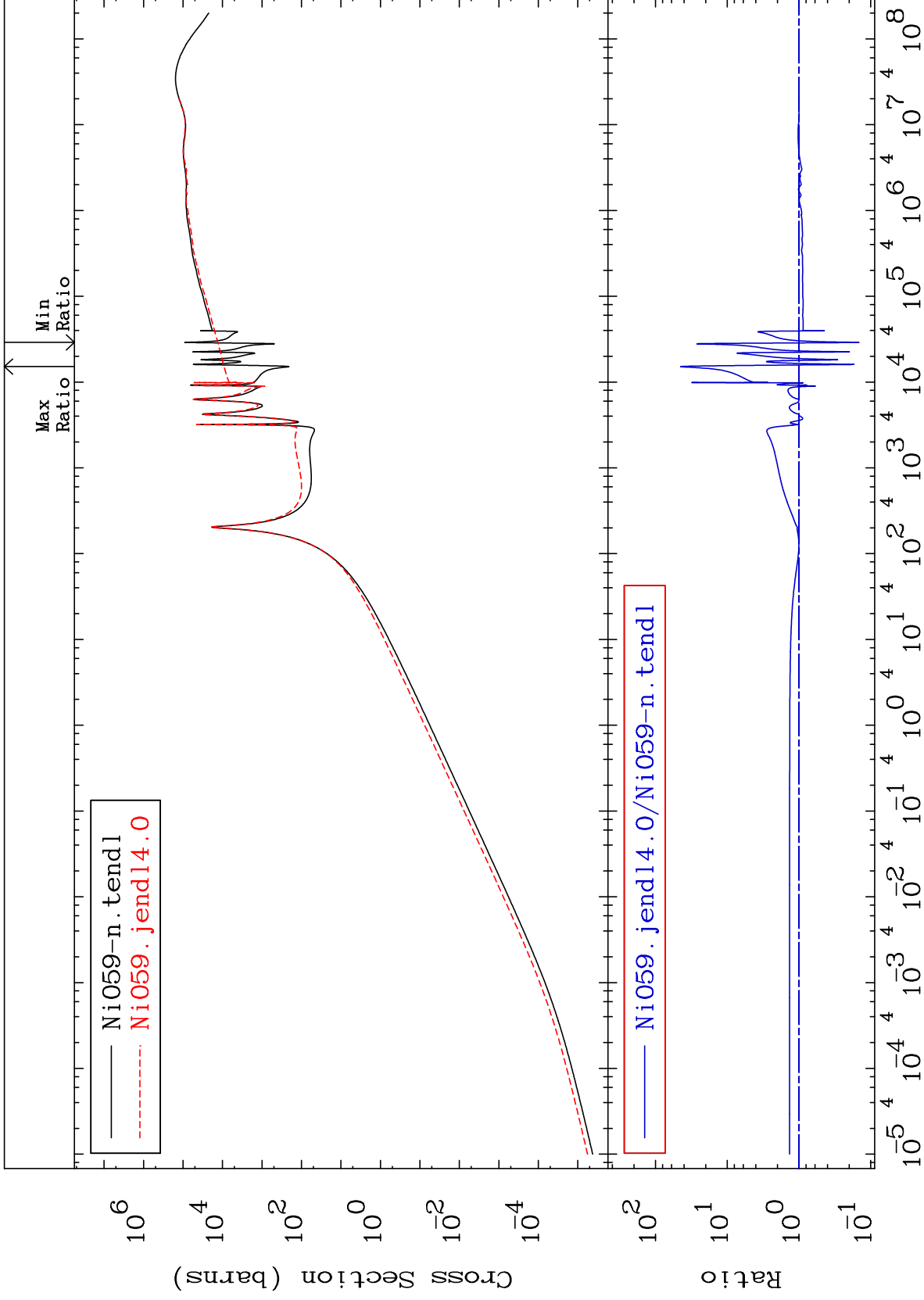
He-3 Production
Cross Section

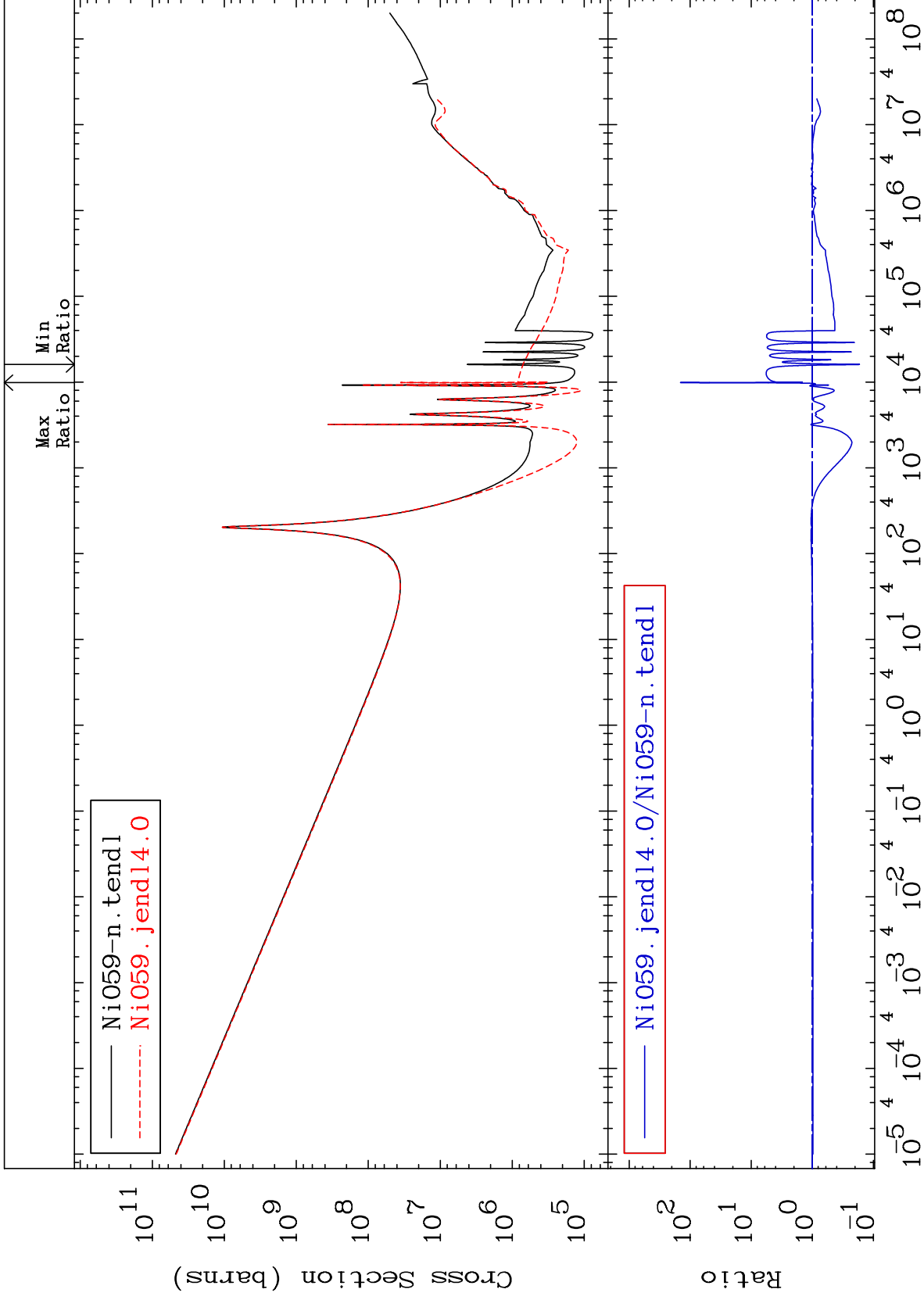
28-Ni-59
-88.56 To 3086. %

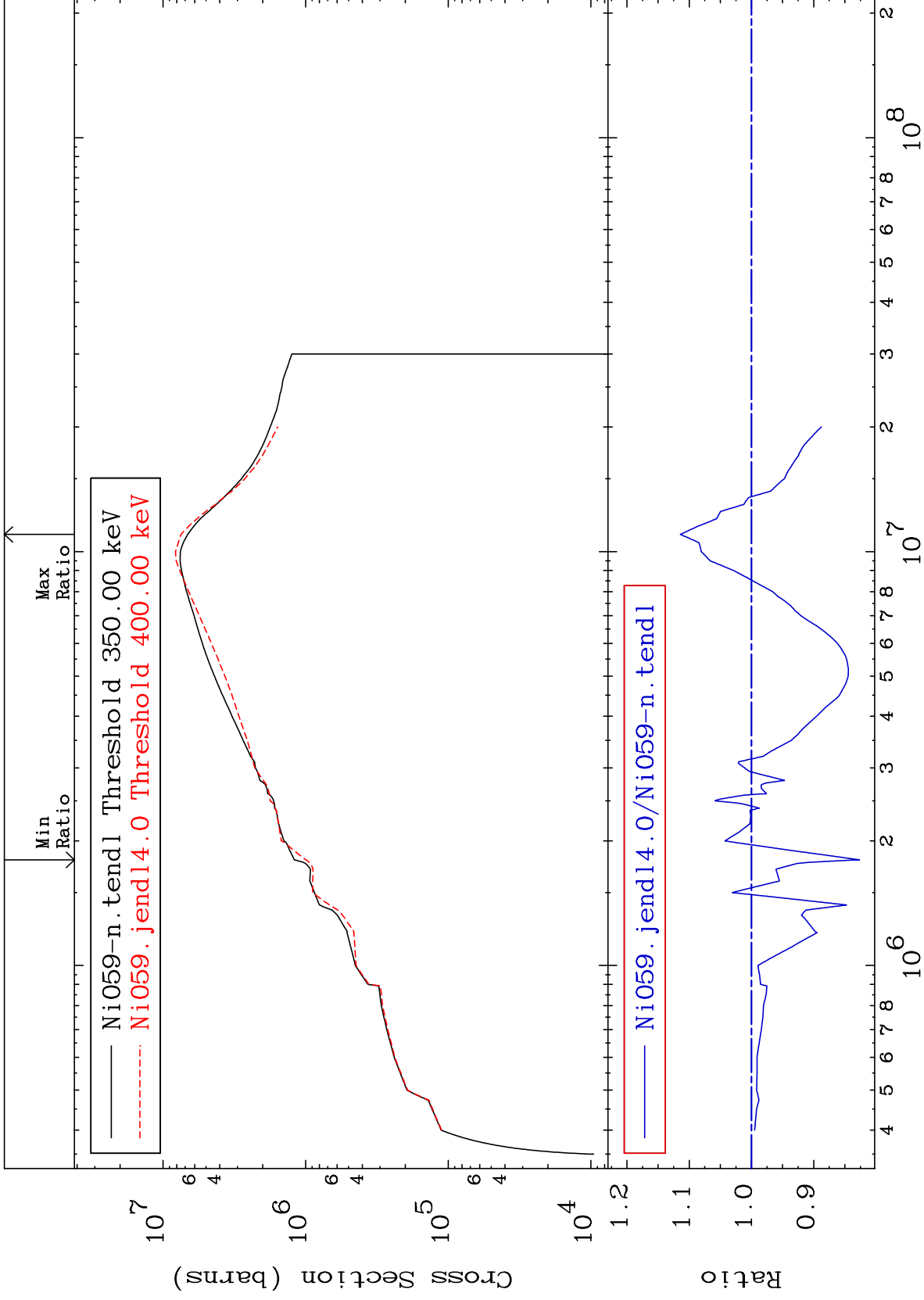












MAT 2828

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

28-Ni-59
-17.35 To 11.42 %

