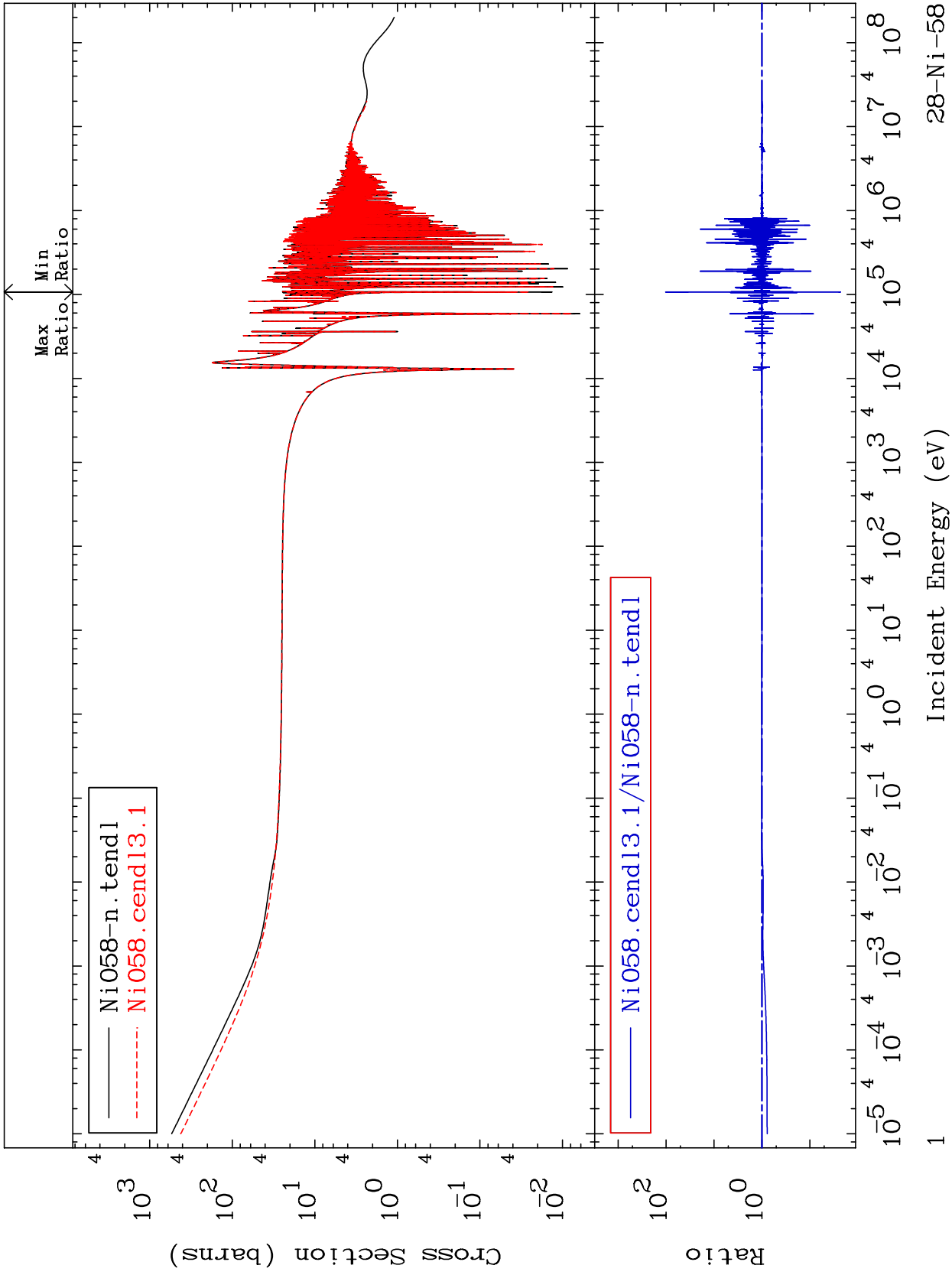


MAT 2825

Total
Cross Section

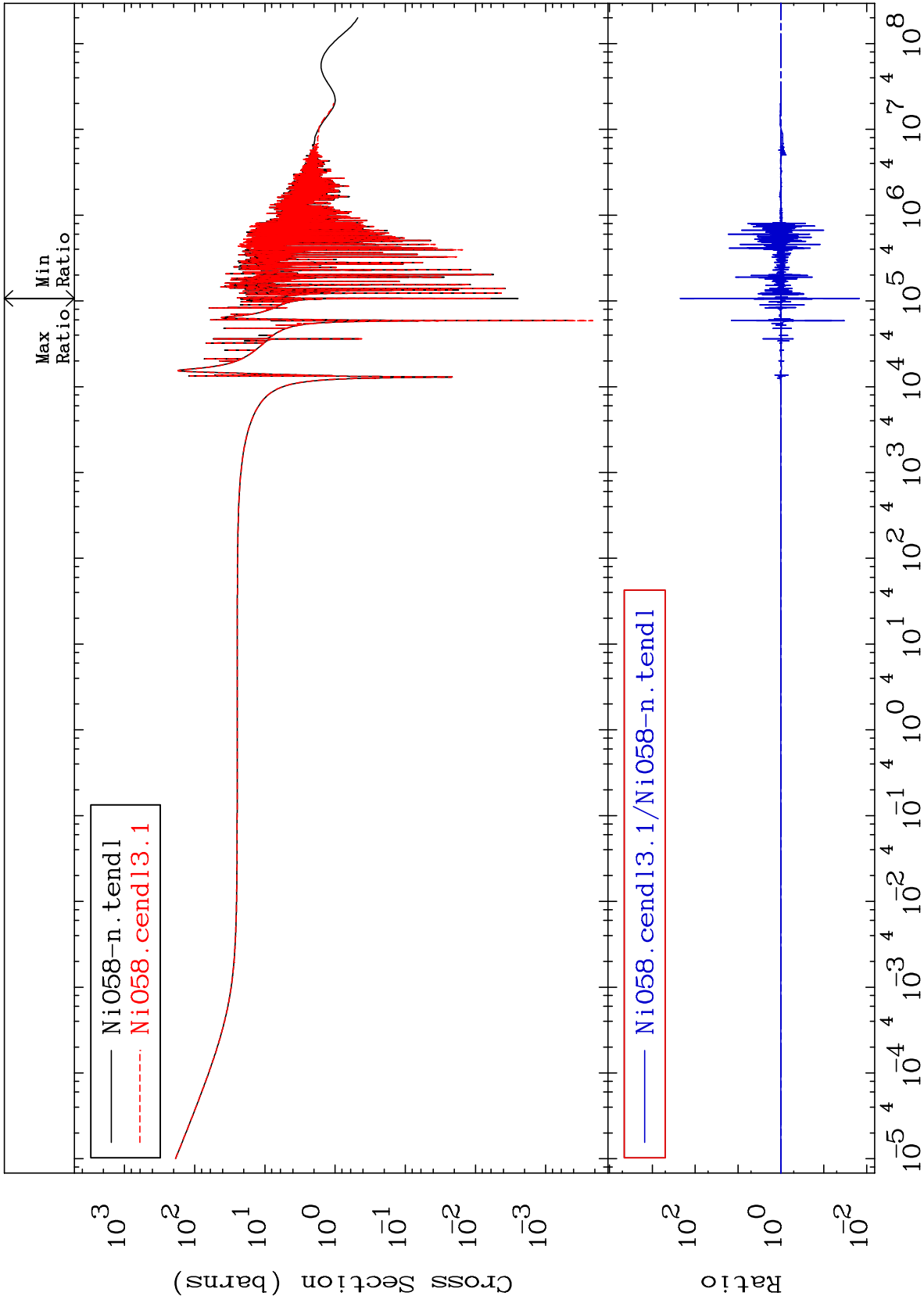
28-Ni-58
-97.73 To 9999. %



MAT 2825

Elastic
Cross Section

28-Ni-58
-98.53 To 9999. %



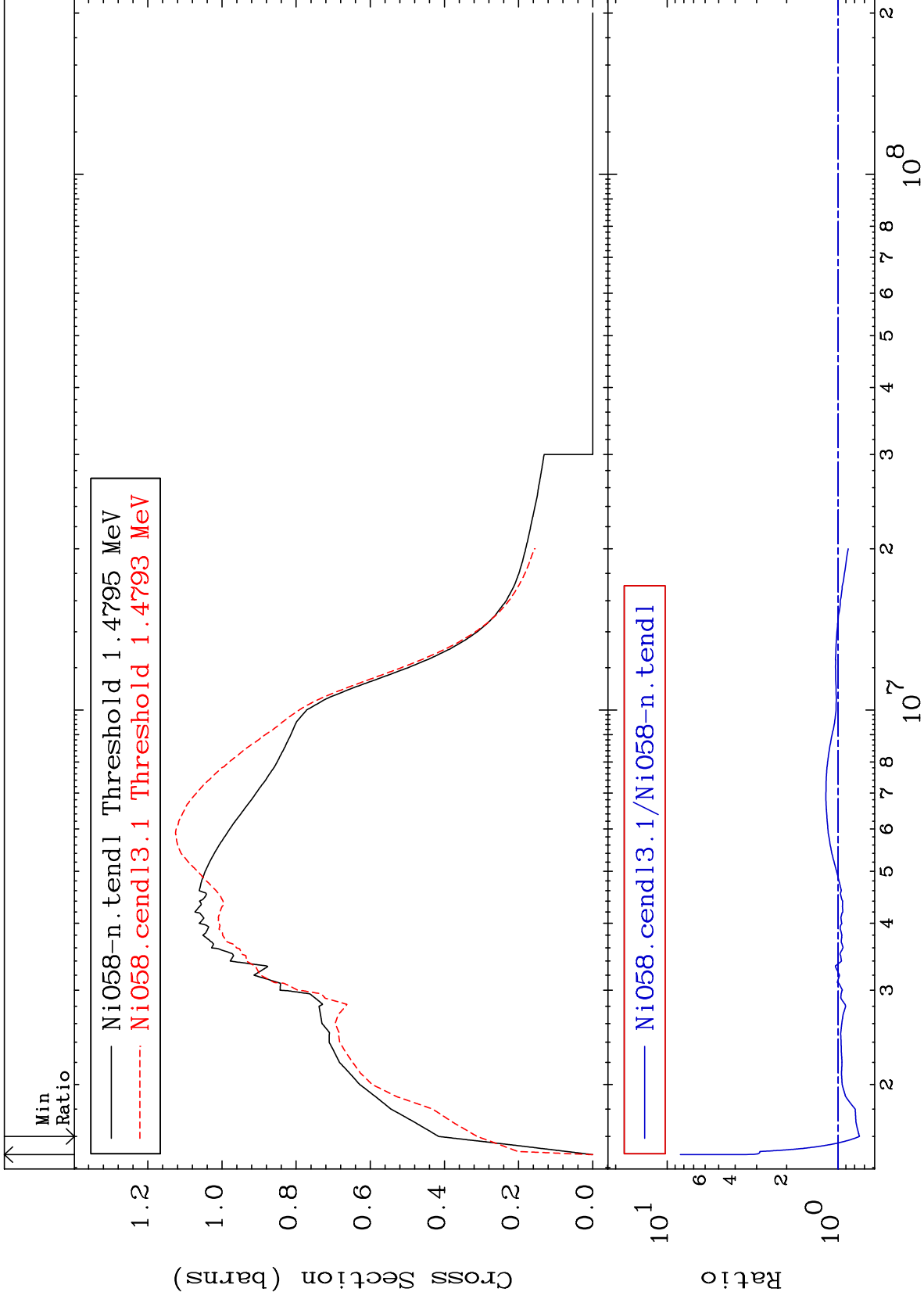
Incident Energy (eV)

28-Ni-58

MAT 2825

Inelastic
Cross Section

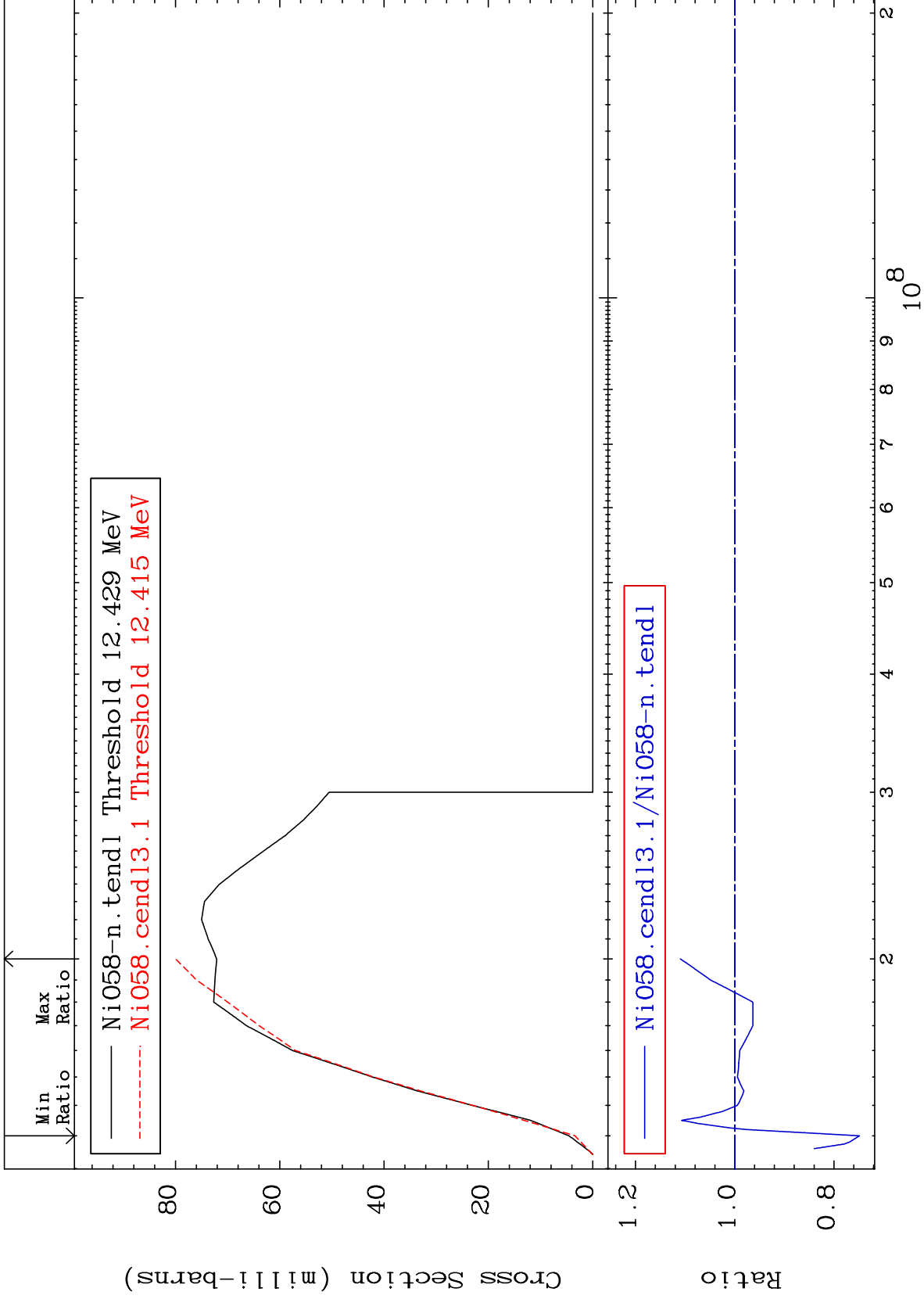
28-Ni-58
-25.02 To 737.5 %



MAT 2825

(n,2n)
Cross Section

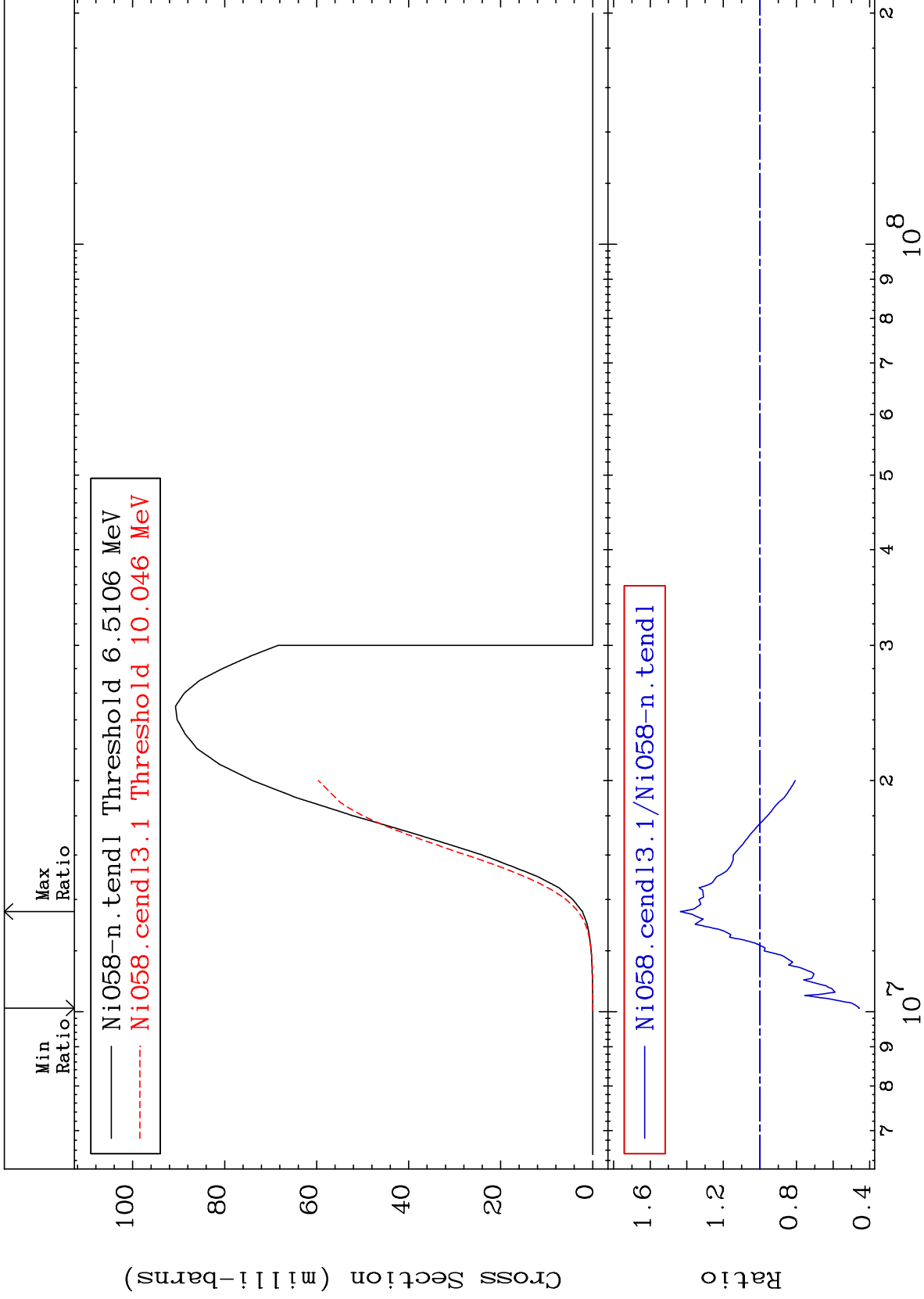
28-Ni-58
-25.14 To 10.97 %



MAT 2825

(n, n') α
Cross Section

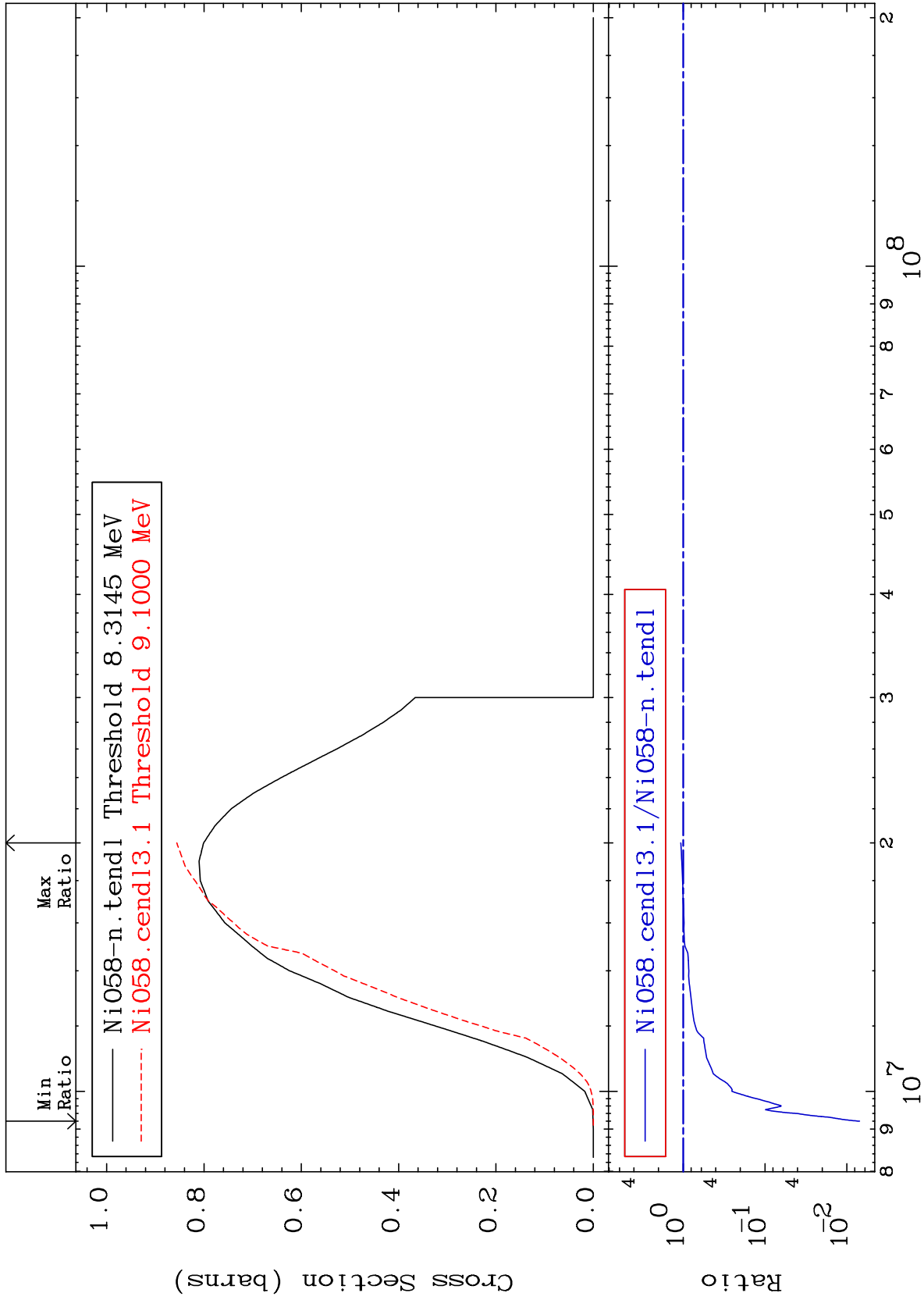
28-Ni-58
-54.38 To 43.51 %



MAT 2825

(n, n') p
Cross Section

28-Ni-58
-99.30 To 6.896 %



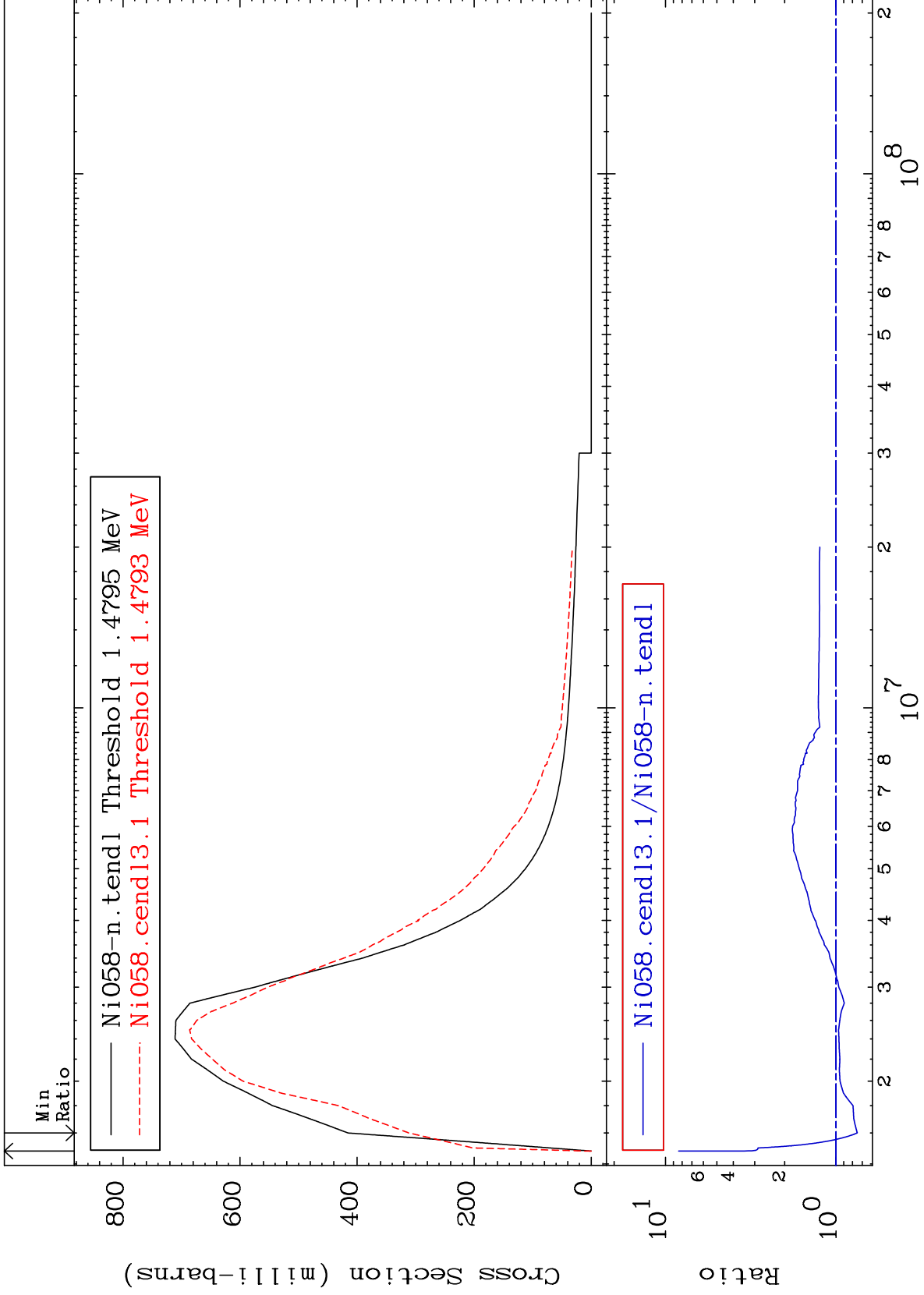
Incident Energy (eV)

28-Ni-58

MAT 2825

1.454 MeV (n,n') Level
Cross Section

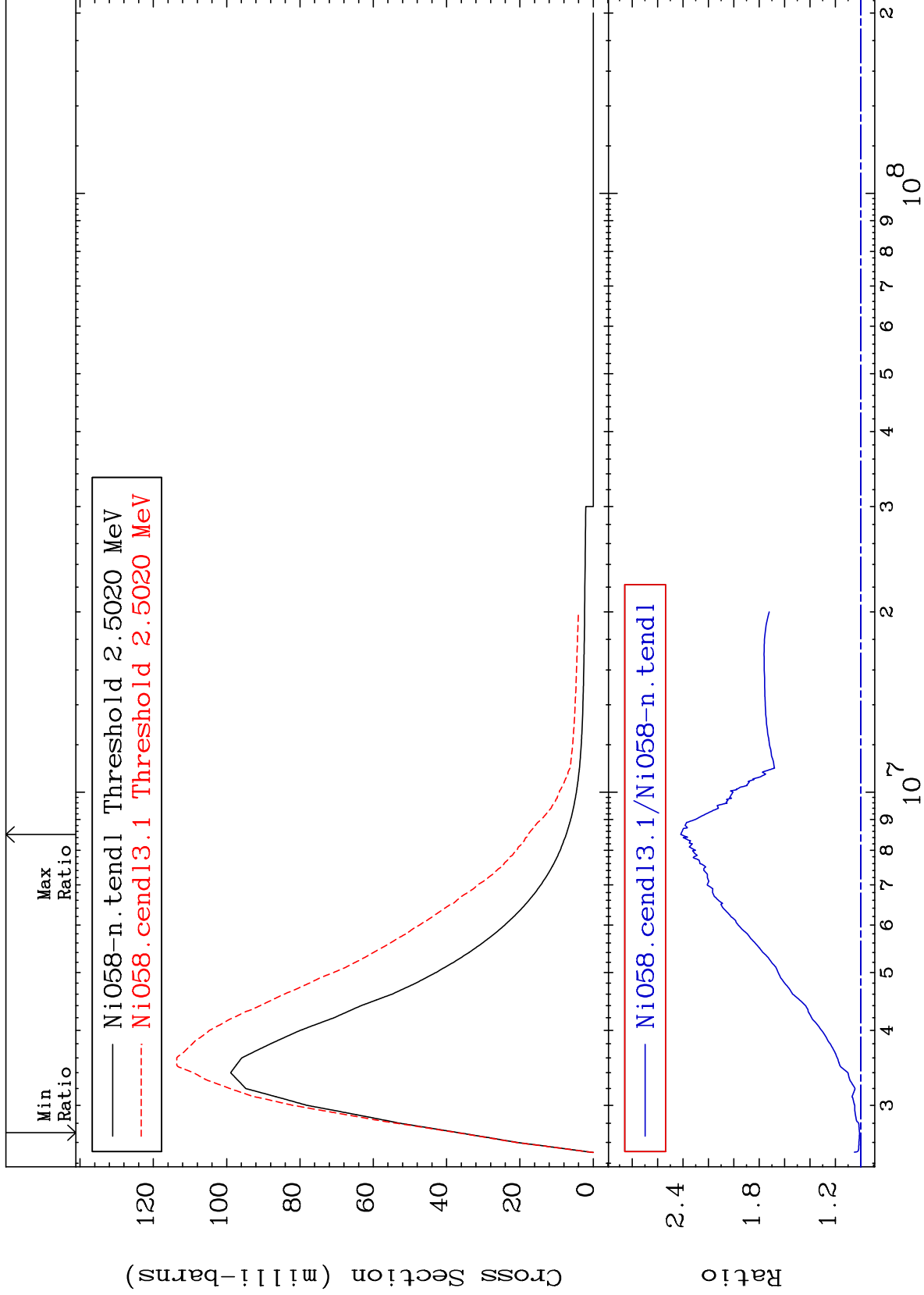
28-Ni-58
-25.02 To 737.5 %



MAT 2825

2.459 MeV (n,n') Level
Cross Section

1.051 To 141.7 %
28-Ni-58



8

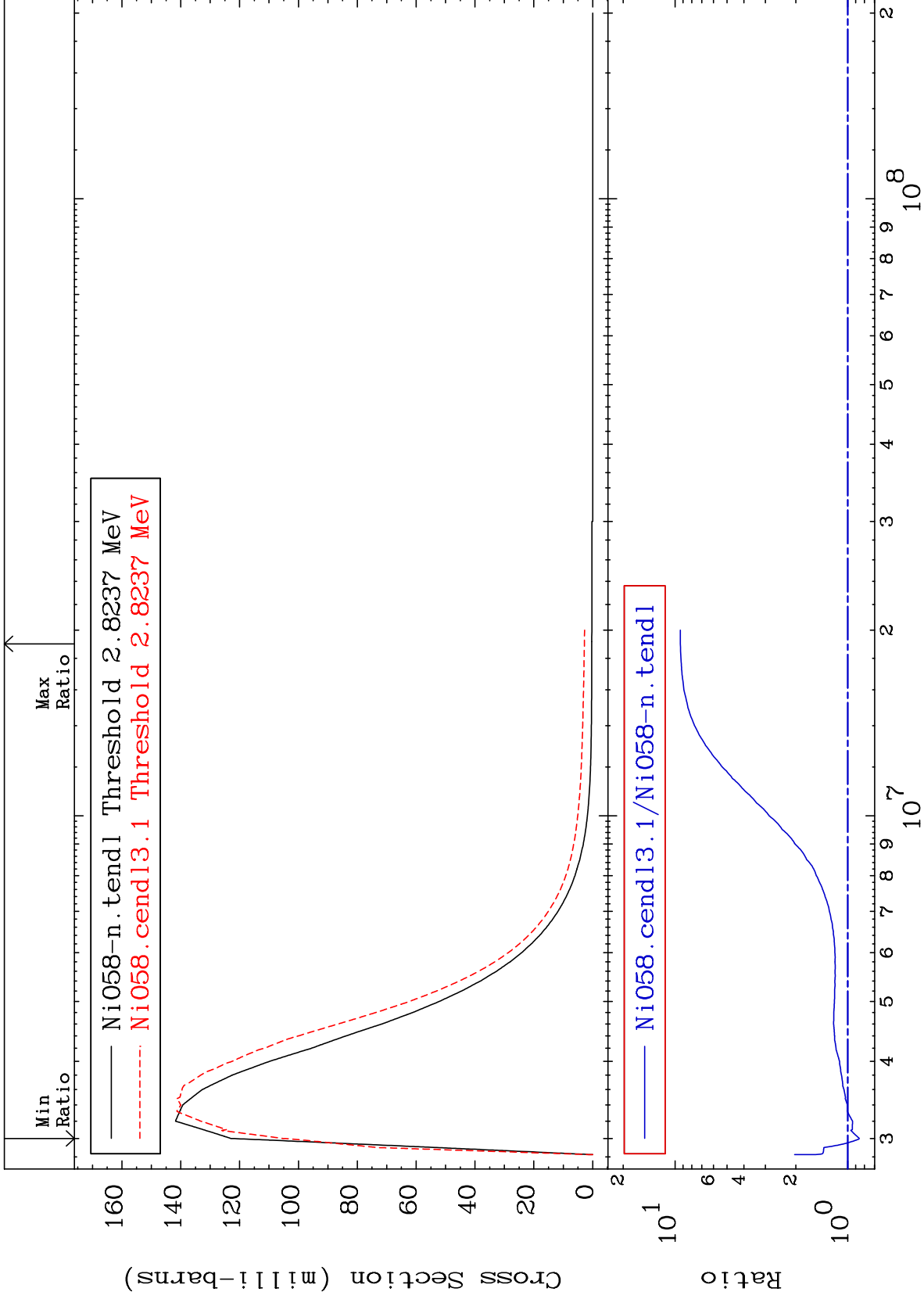
Incident Energy (eV)

28-Ni-58

MAT 2825

2.775 MeV (n,n') Level
Cross Section

28-Ni-58
-14.41 To 832.8 %



9

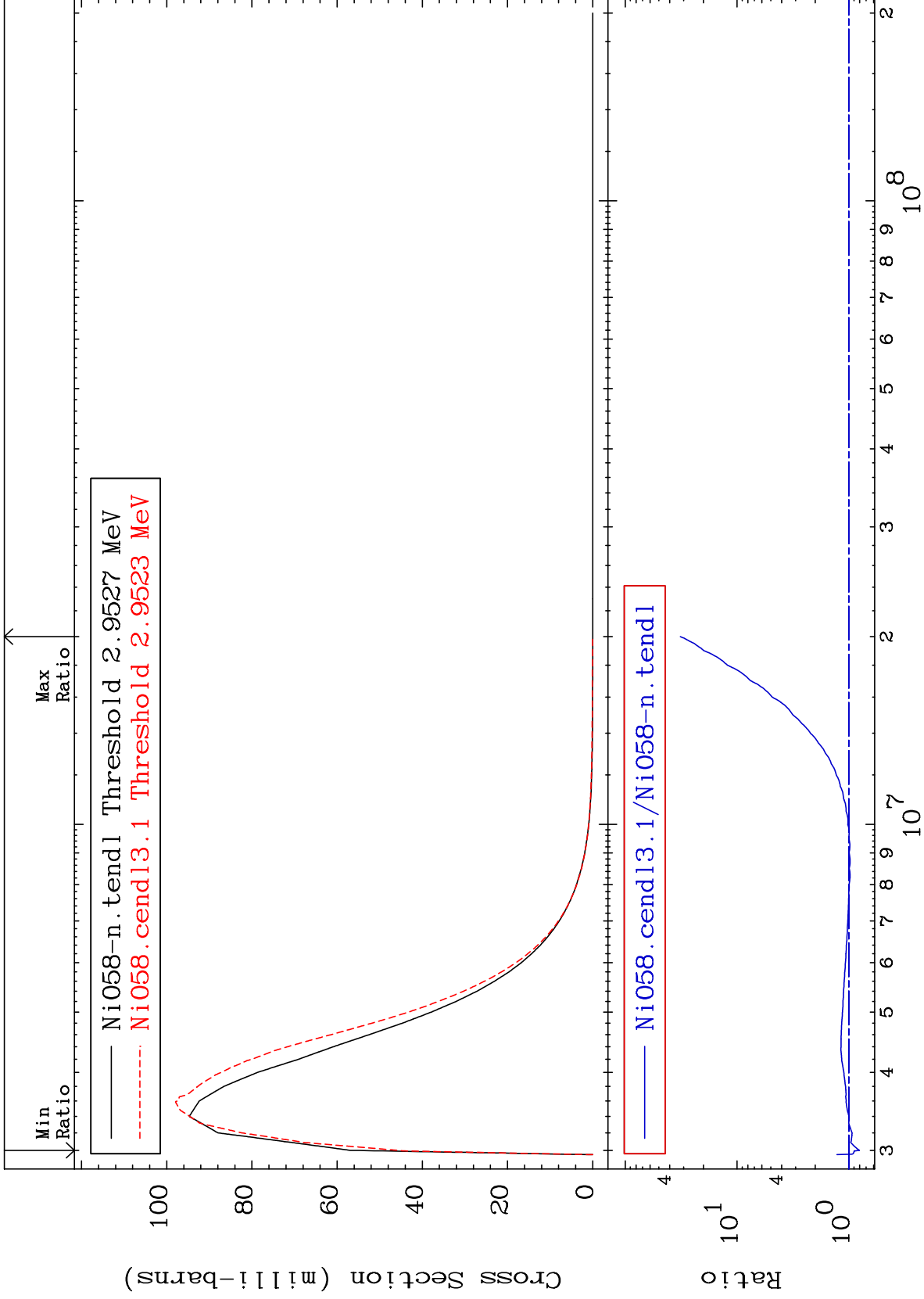
Incident Energy (eV)

28-Ni-58

MAT 2825

2.902 MeV (n,n') Level
Cross Section

28-Ni-58
-19.53 To 3115. %



10

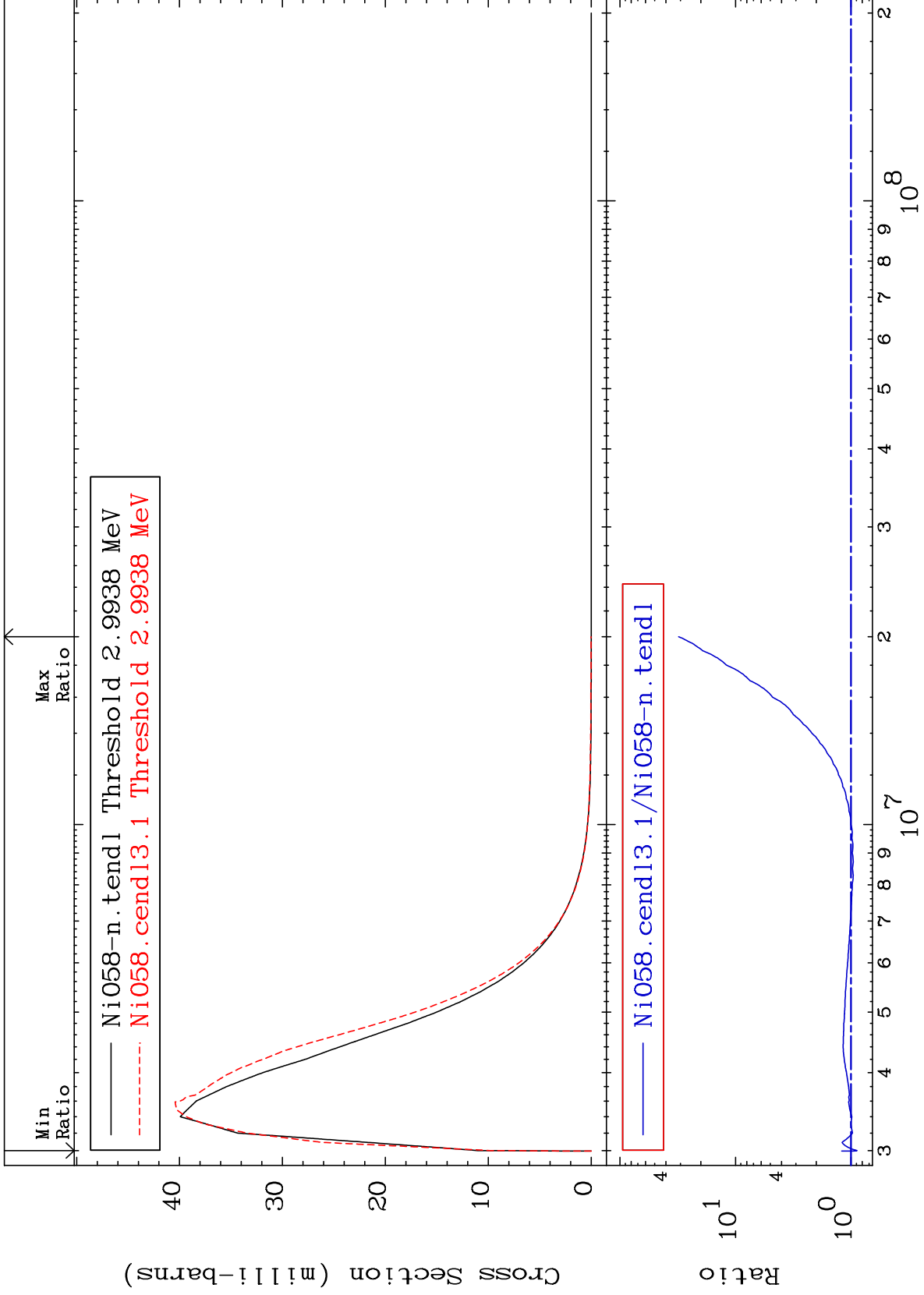
Incident Energy (eV)

28-Ni-58

MAT 2825

2.943 MeV (n,n') Level
Cross Section

28-Ni-58
-11.52 To 3007. %



11

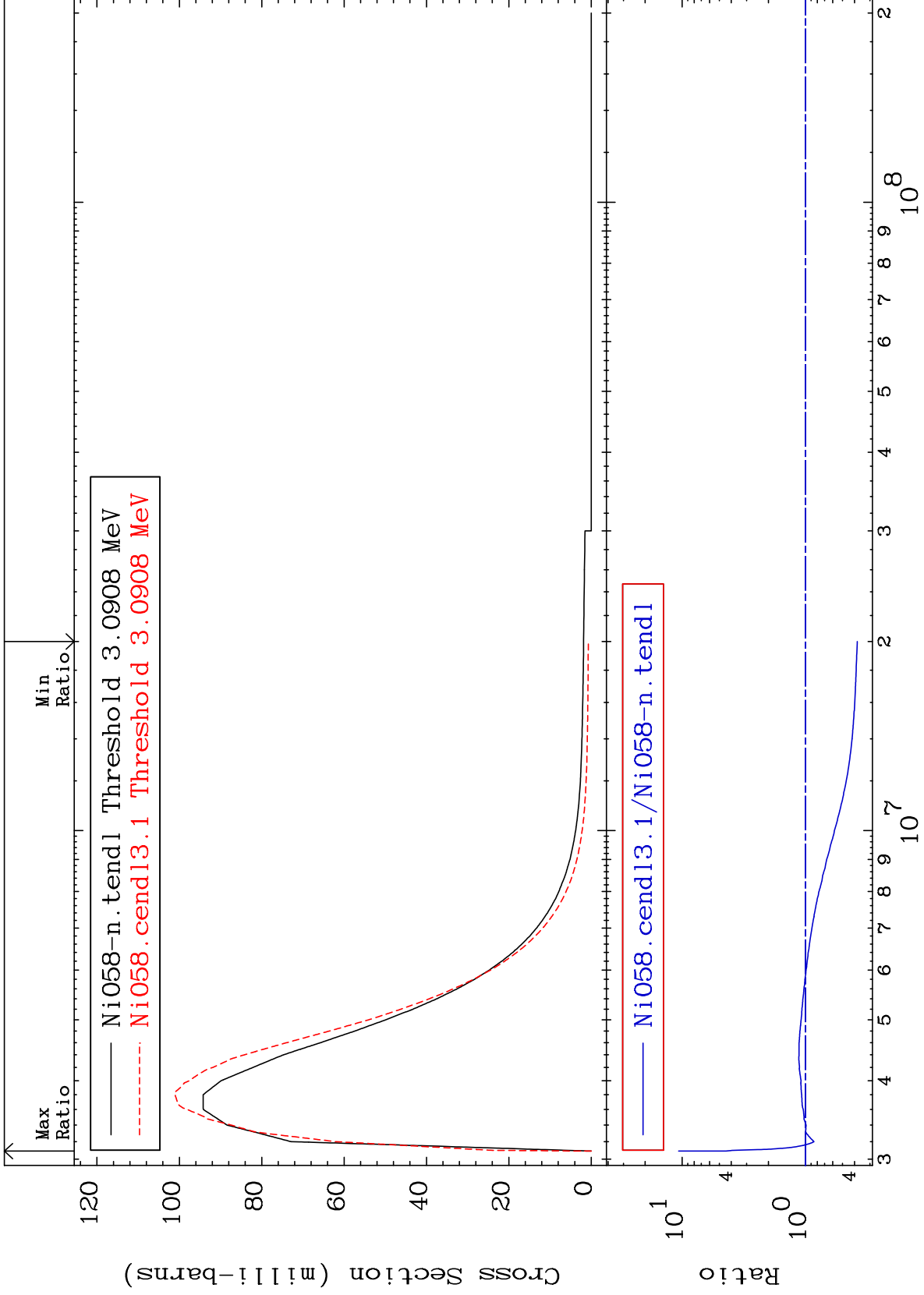
Incident Energy (eV)

28-Ni-58

MAT 2825

3.038 MeV (n,n') Level
Cross Section

28-Ni-58
-62.01 To 968.7 %



12

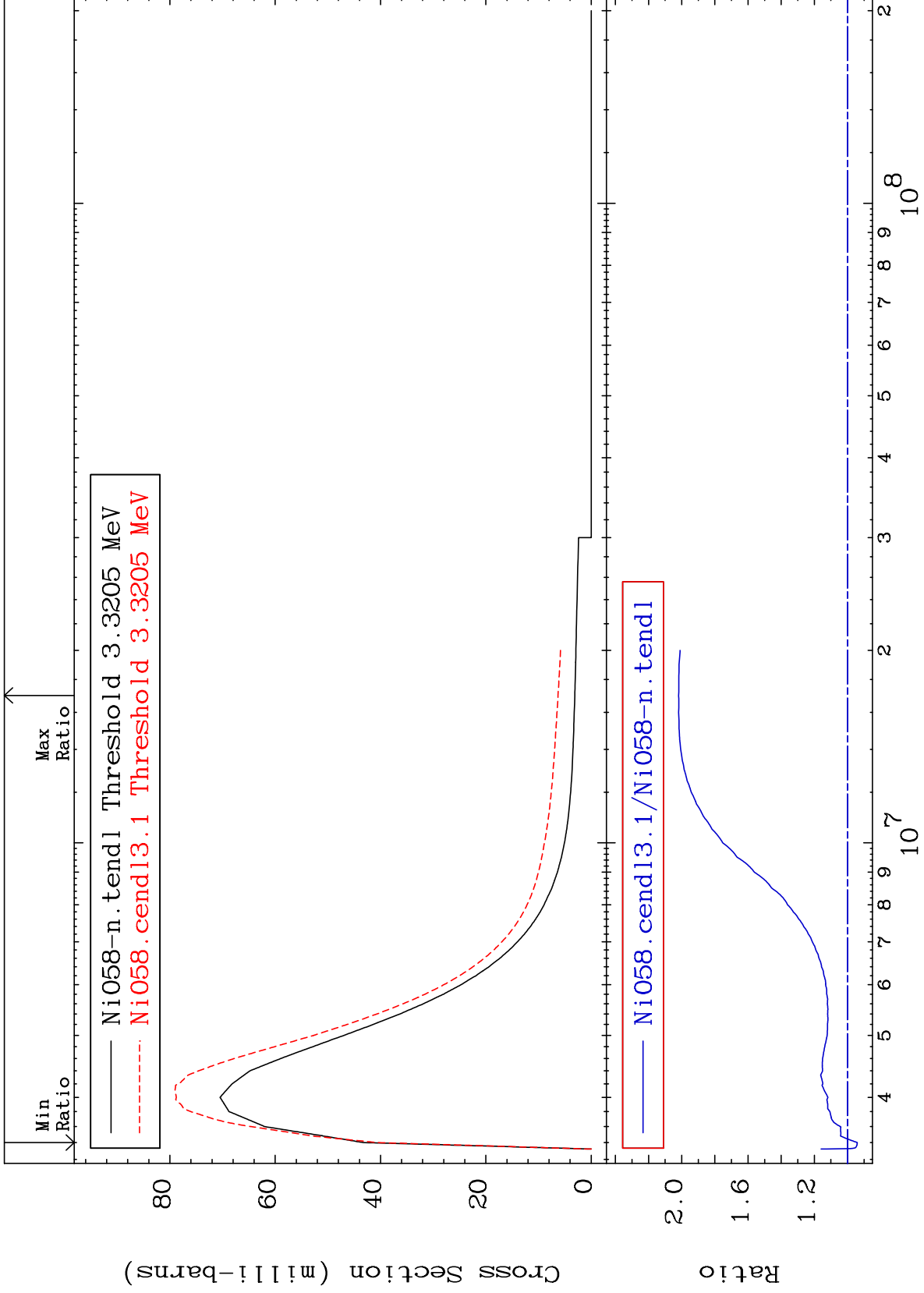
Incident Energy (eV)

28-Ni-58

MAT 2825

3.264 MeV (n,n') Level
Cross Section

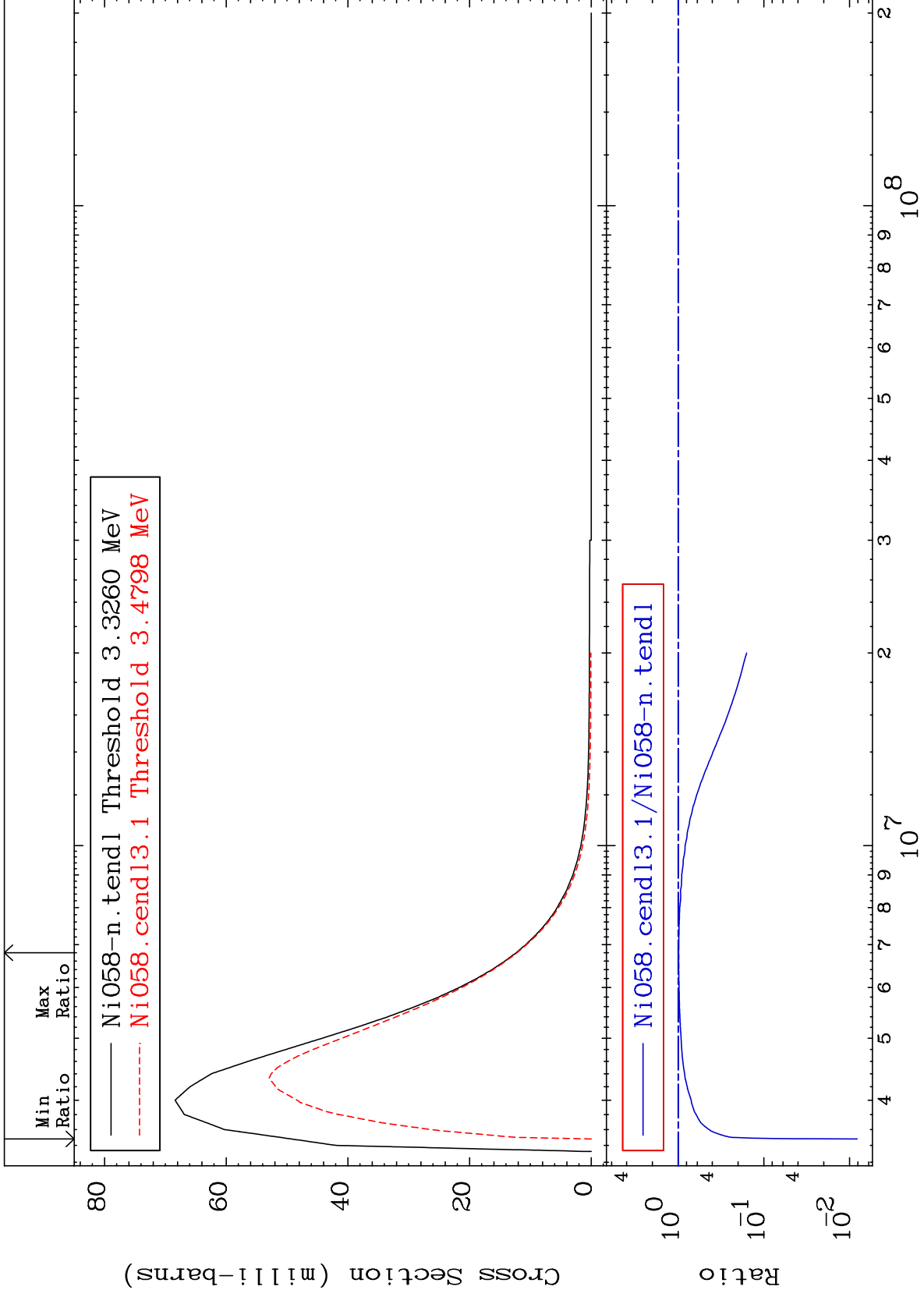
28-Ni-58
-5.900 To 101.9 %



MAT 2825

3.269 MeV (n,n') Level
Cross Section

28-Ni-58
-99.19 To -1.043%



14

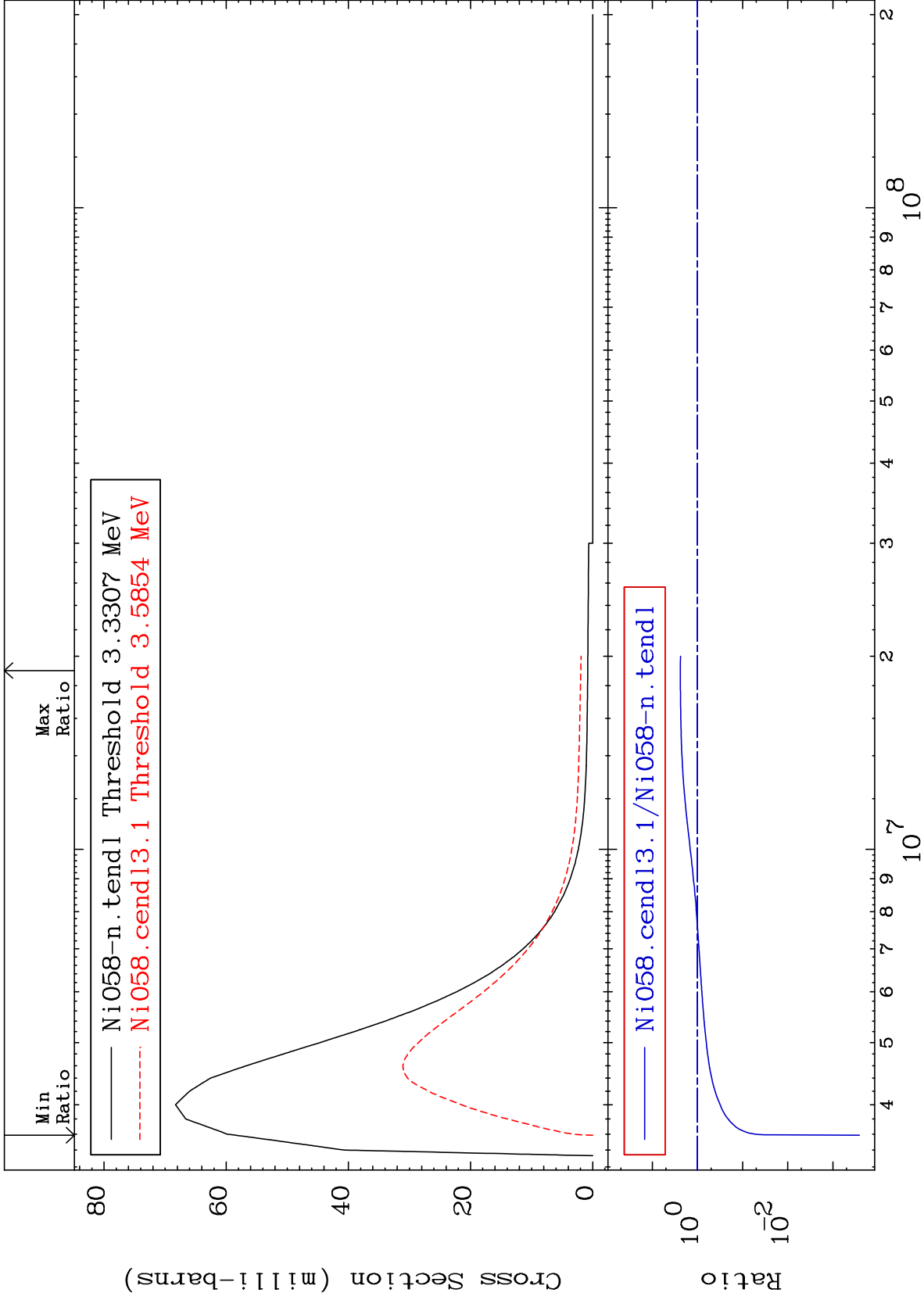
28-Ni-58

28-Ni-58

MAT 2825

3.274 MeV (n,n') Level
Cross Section

28-Ni-58
-99.97 To 139.9 %



15

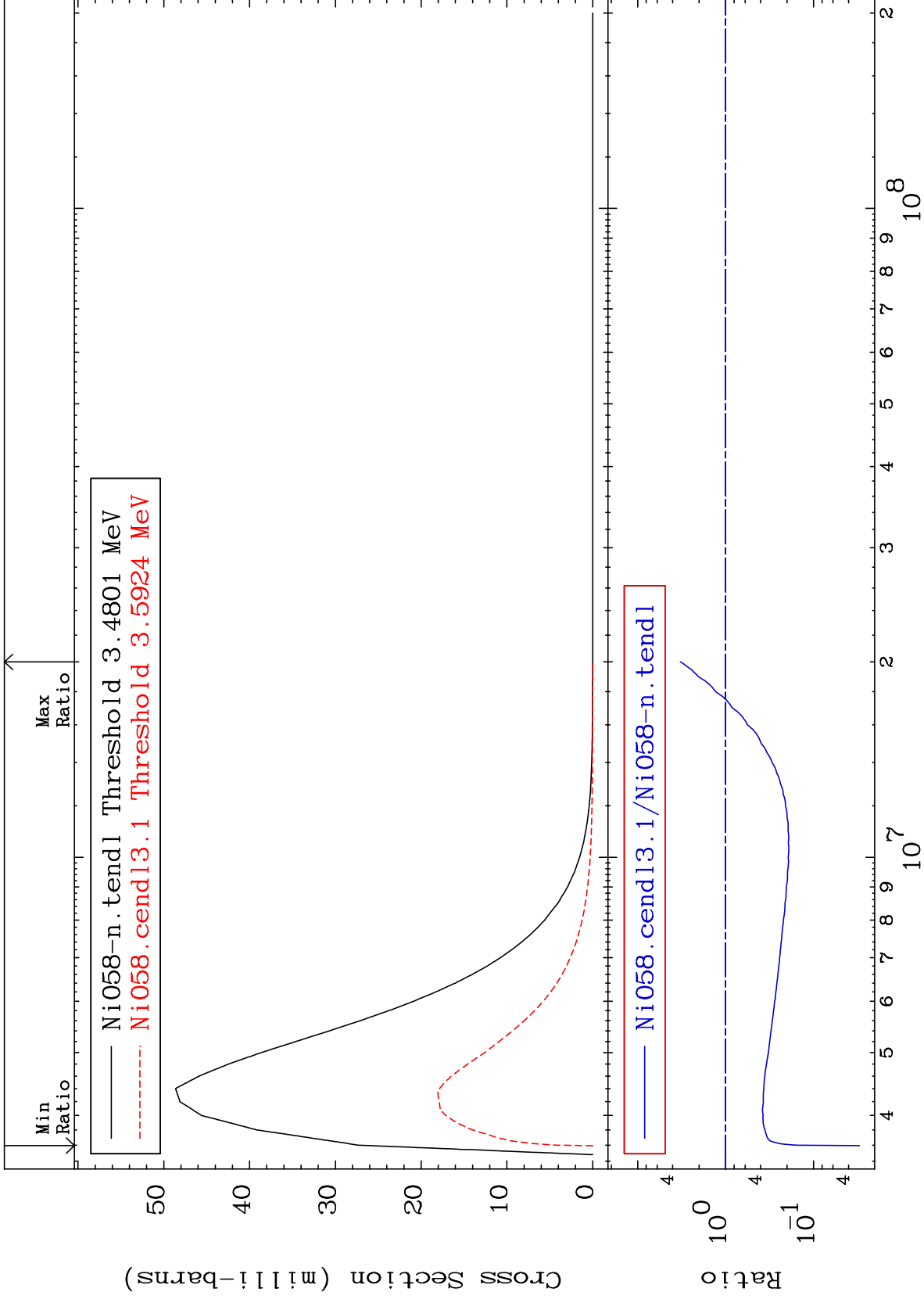
Incident Energy (eV)

28-Ni-58

MAT 2825

3.421 MeV (n,n') Level
Cross Section

28-Ni-58
-96.99 To 227.2 %



16

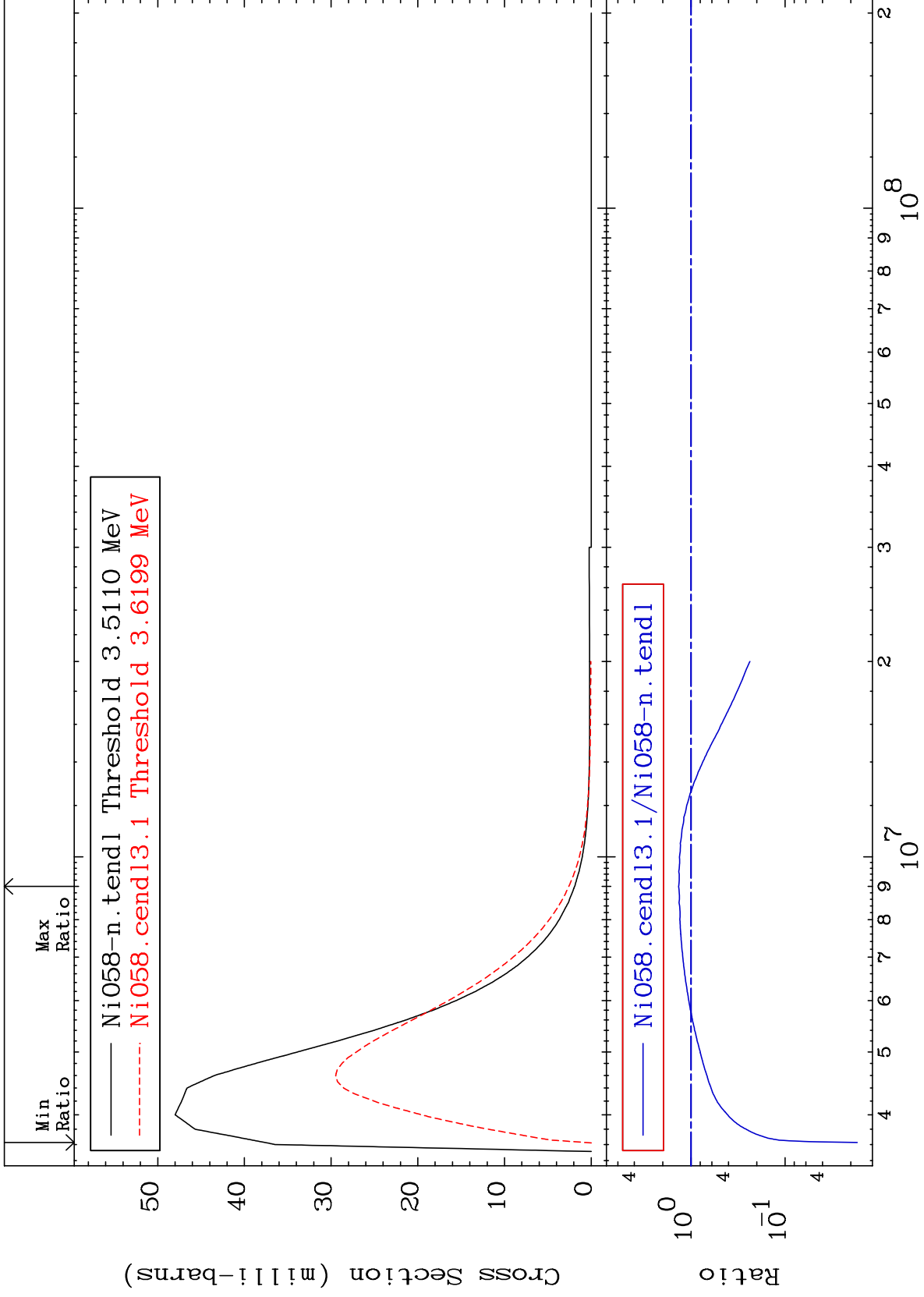
Incident Energy (eV)

28-Ni-58

MAT 2825

3.451 MeV (n,n') Level
Cross Section

28-Ni-58
-98.29 To 35.39 %



17

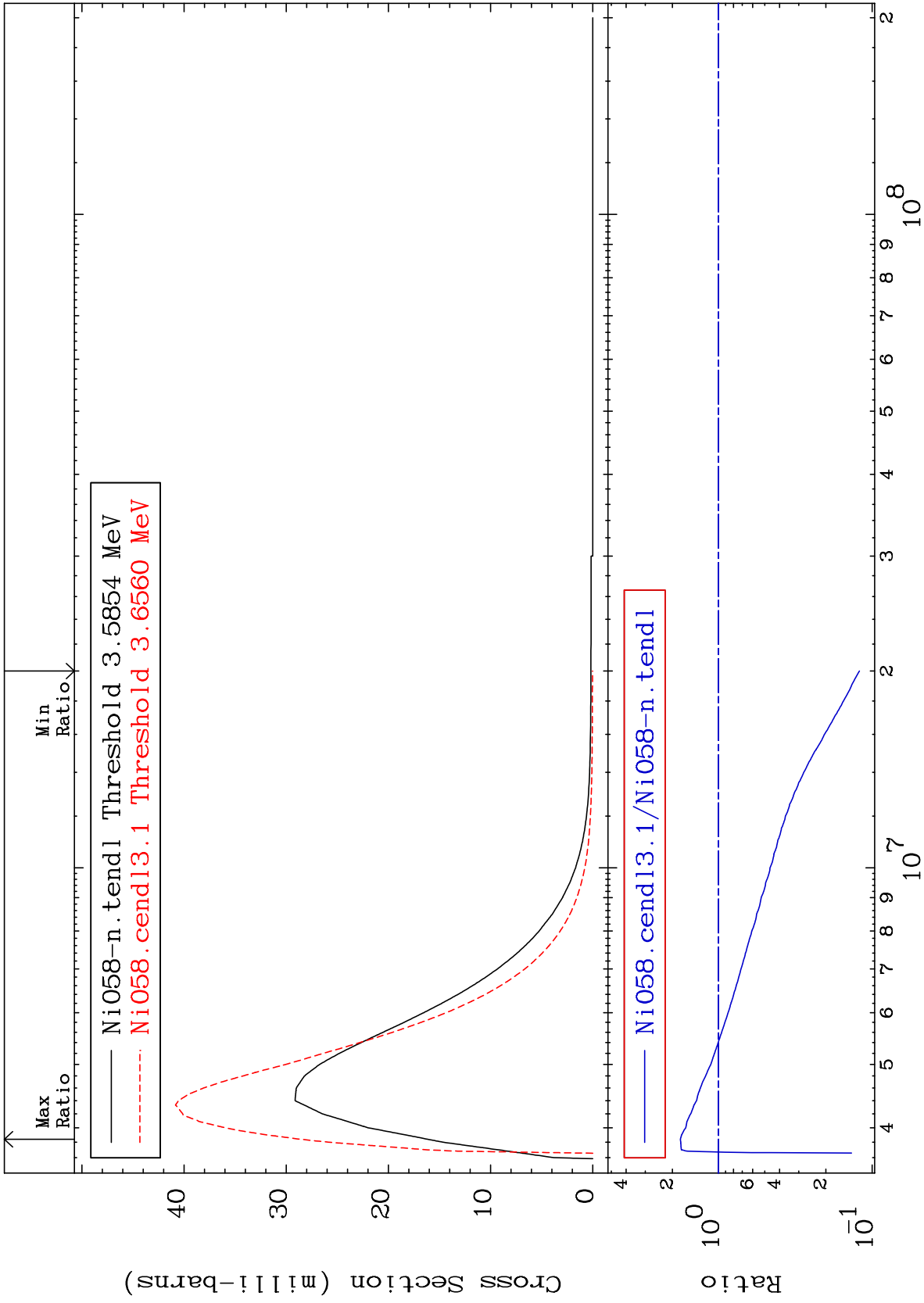
Incident Energy (eV)

28-Ni-58

MAT 2825

3.524 MeV (n,n') Level
Cross Section

28-Ni-58
-87.91 To 77.36 %



18

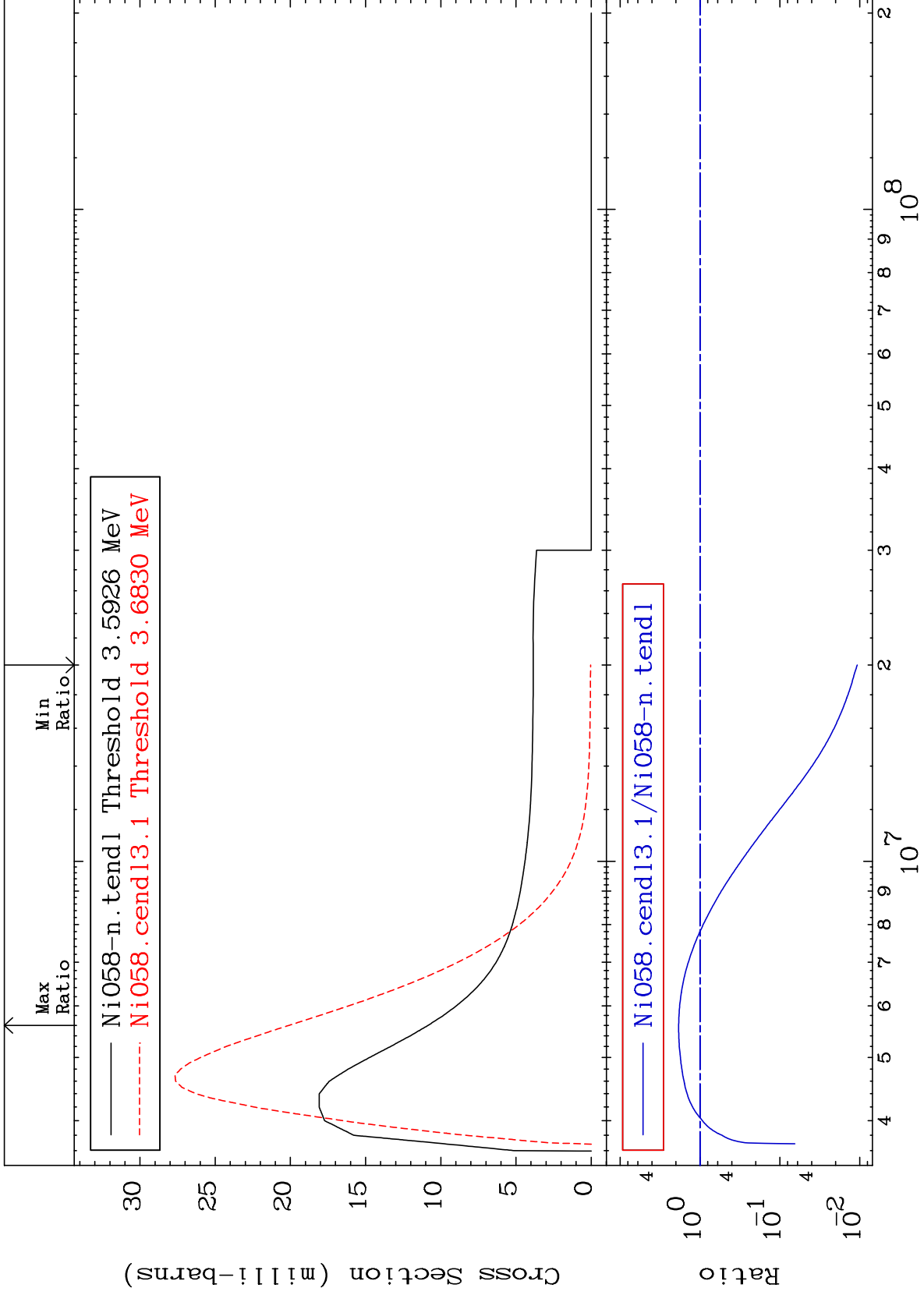
Incident Energy (eV)

28-Ni-58

MAT 2825

3.531 MeV (n,n') Level
Cross Section

28-Ni-58
-98.93 To 85.30 %



19

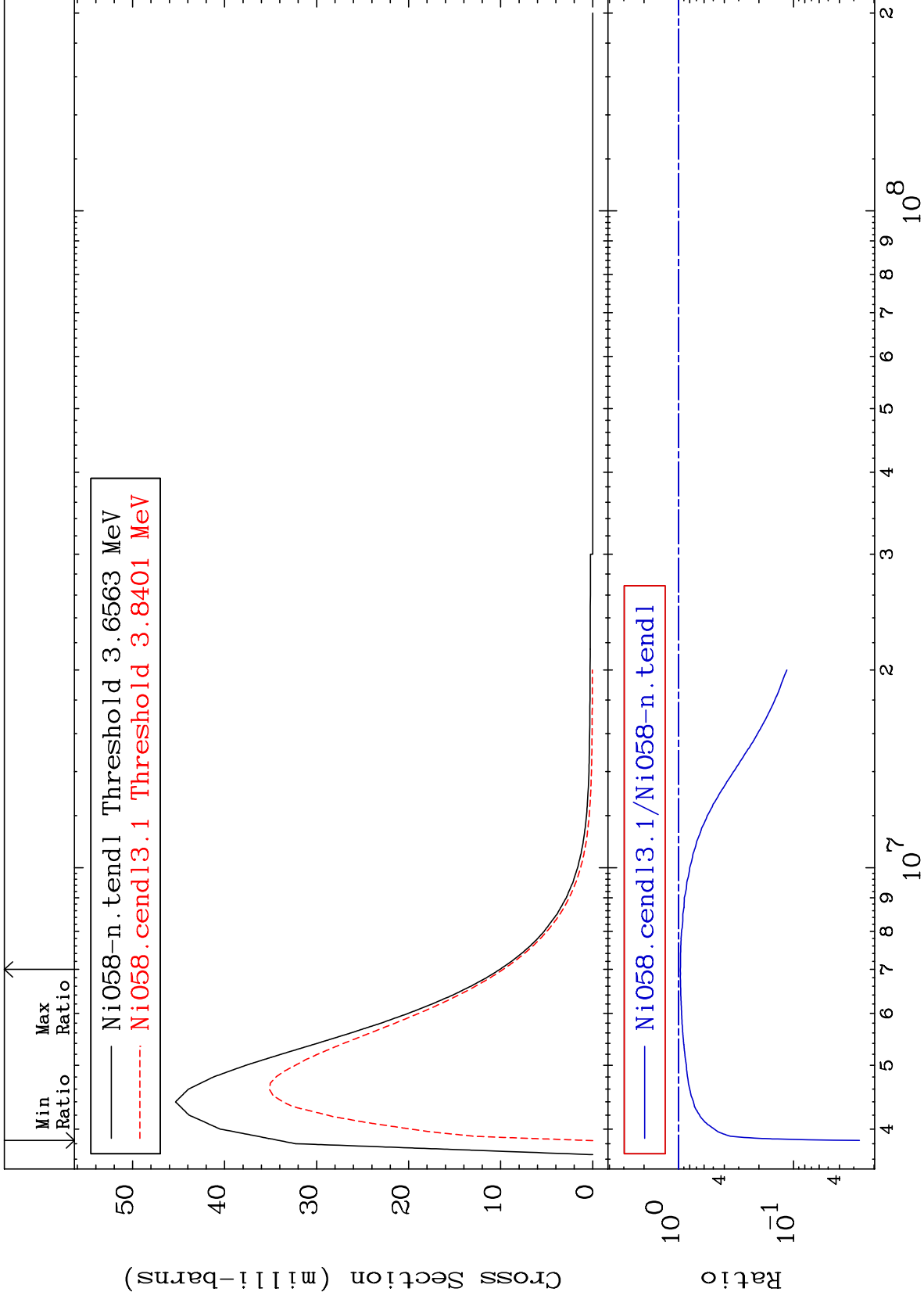
Incident Energy (eV)

28-Ni-58

MAT 2825

3.594 MeV (n,n') Level
Cross Section

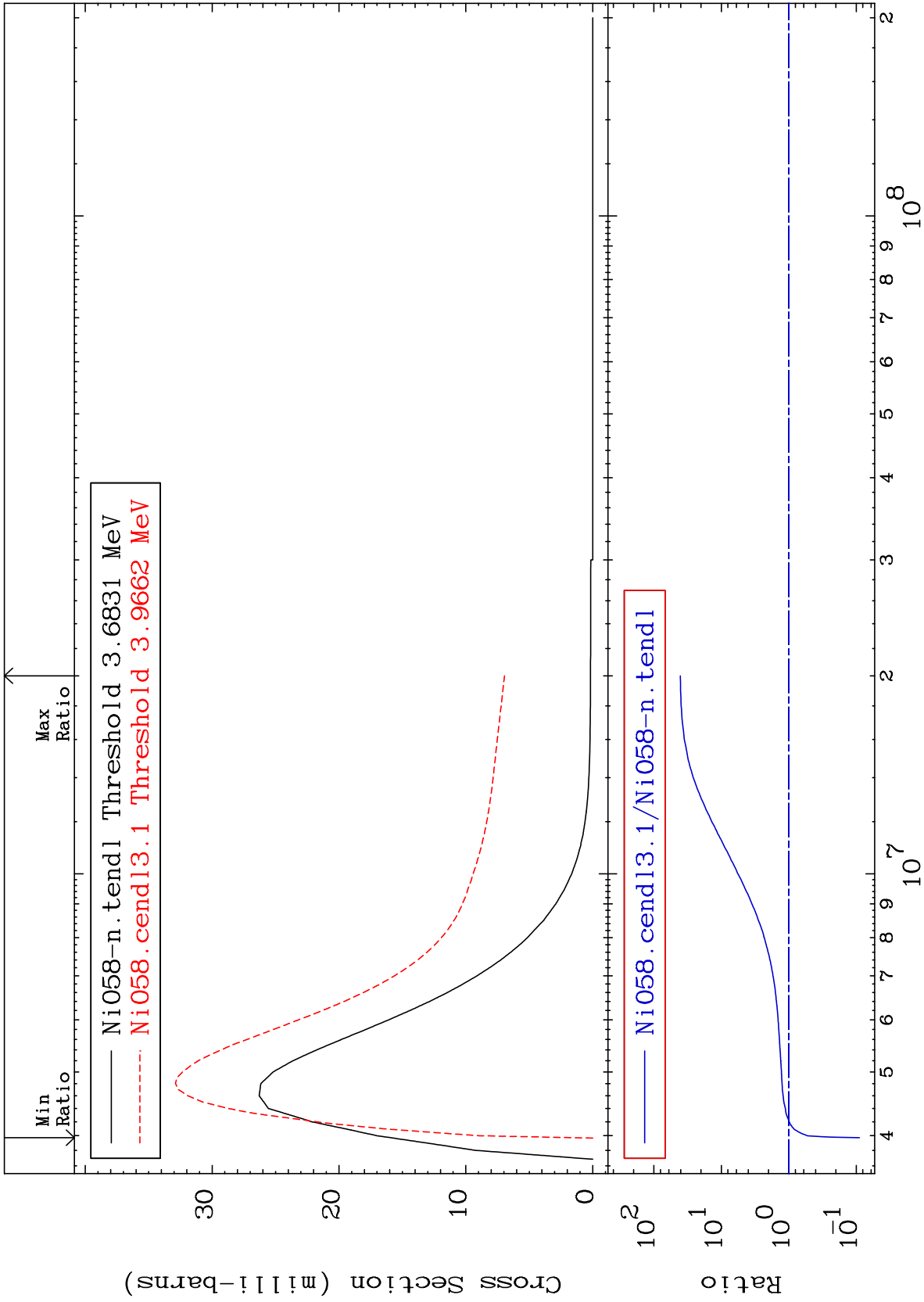
28-Ni-58
-97.32 To -3.485%

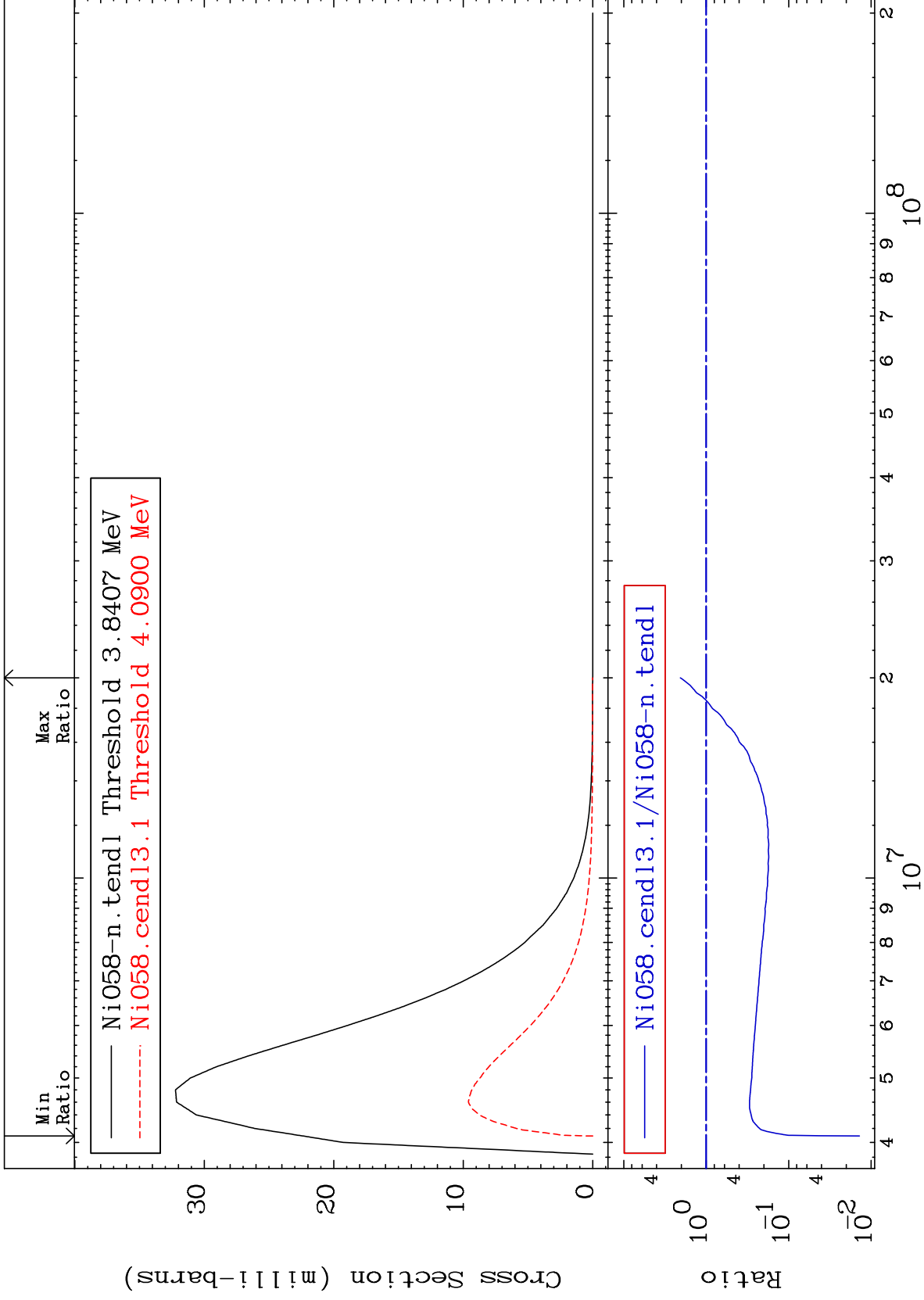


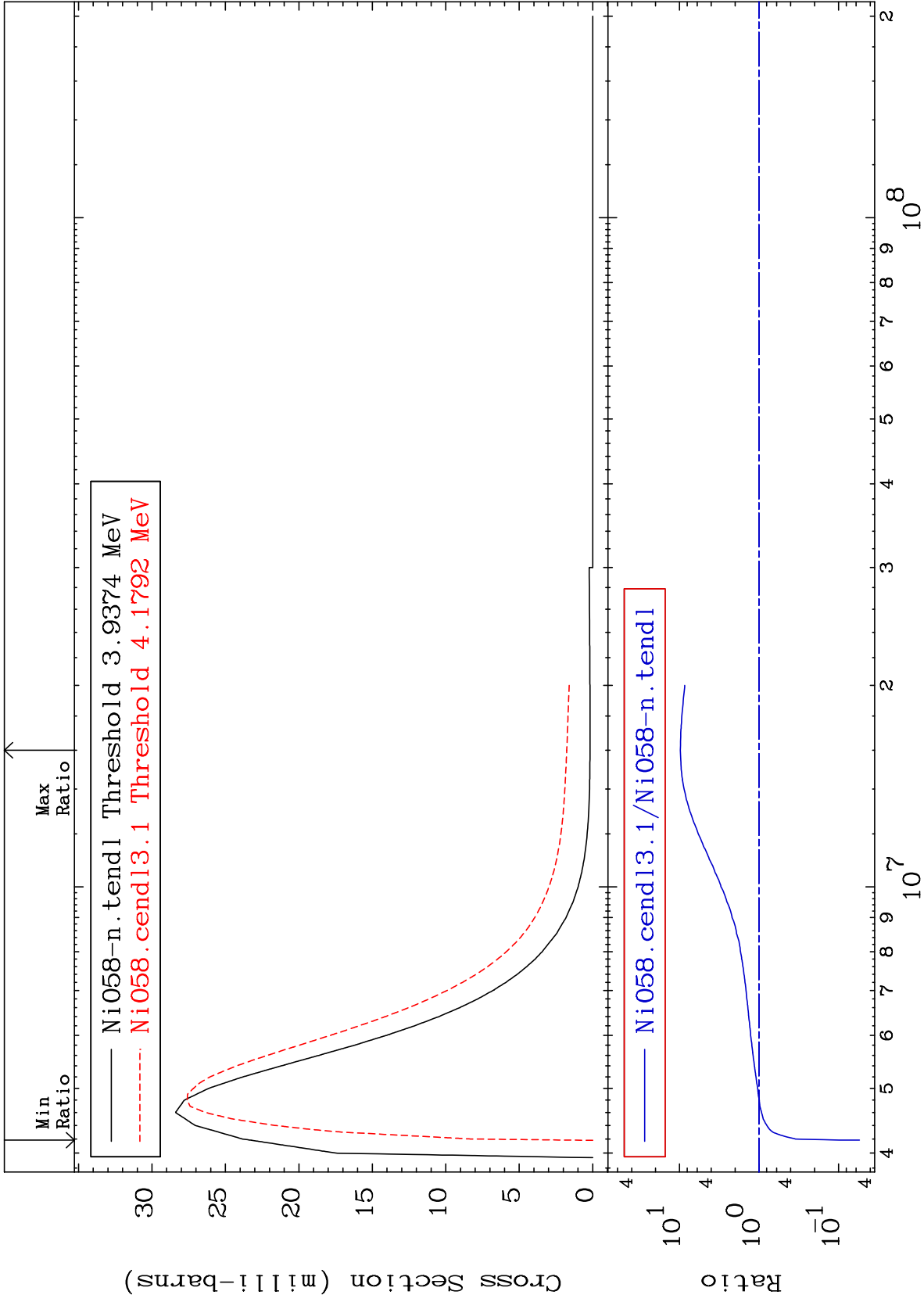
20

Incident Energy (eV)

28-Ni-58



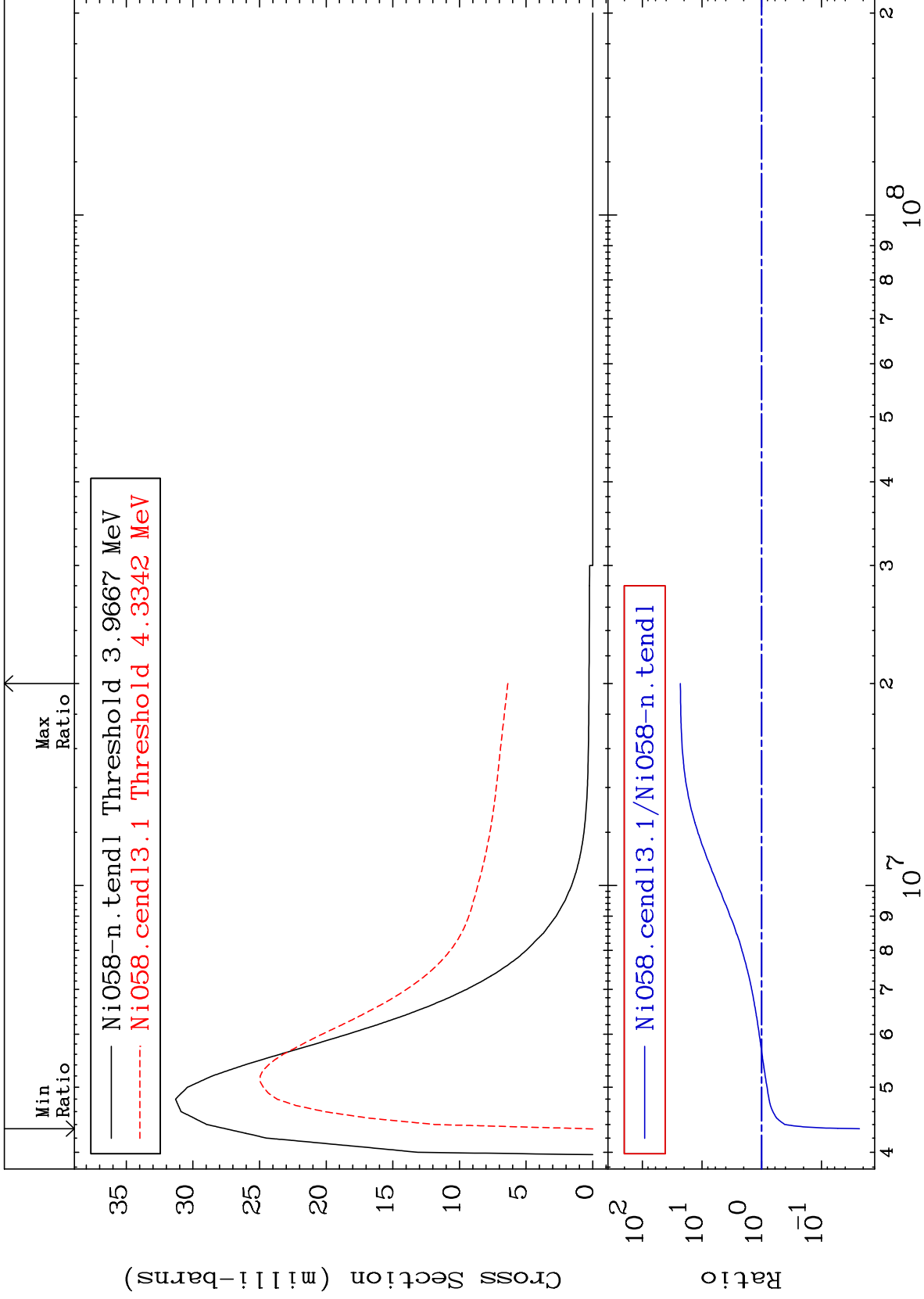




MAT 2825

3.899 MeV (n,n') Level
Cross Section

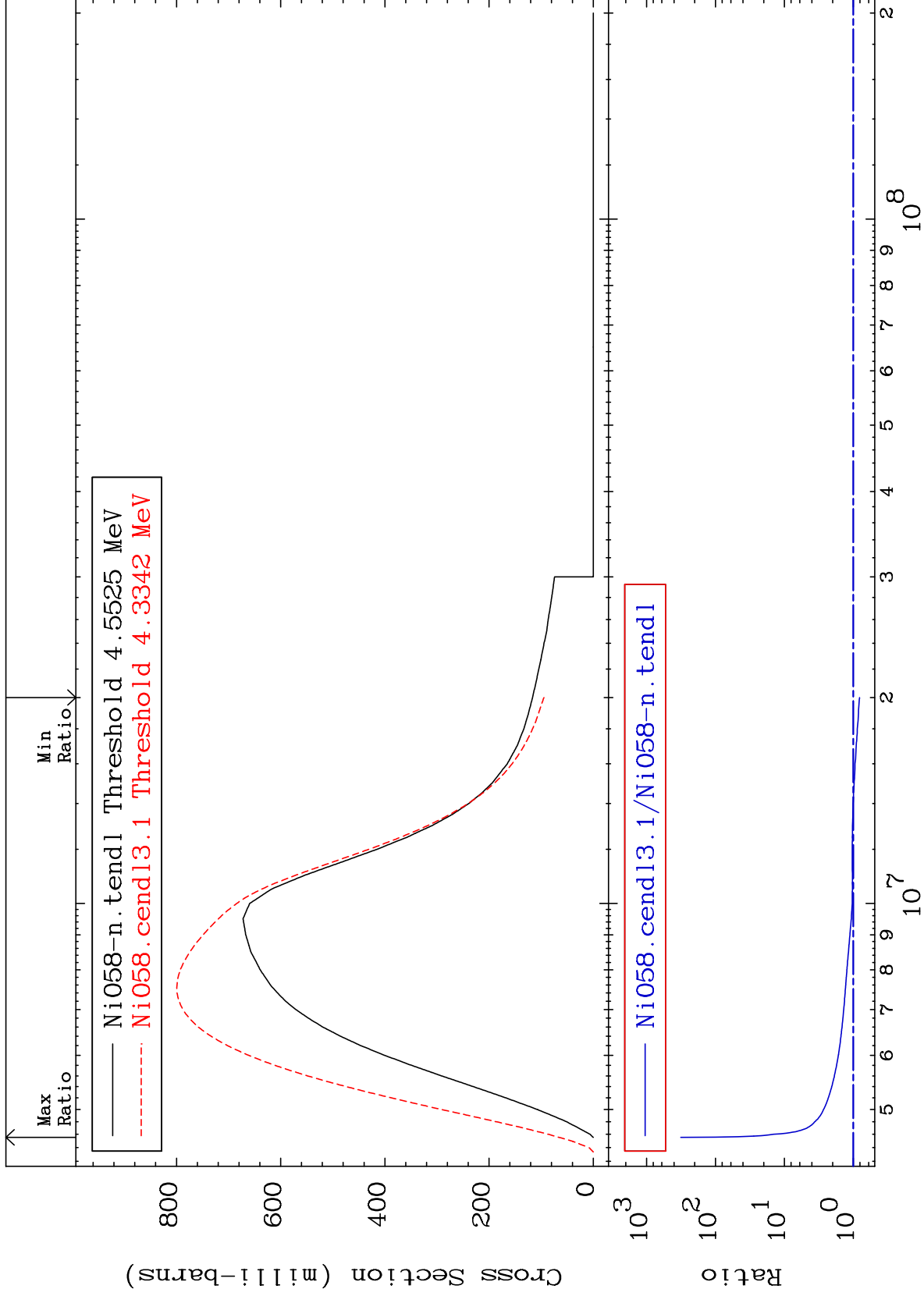
28-Ni-58
-97.69 To 2205. %



24

Incident Energy (eV)

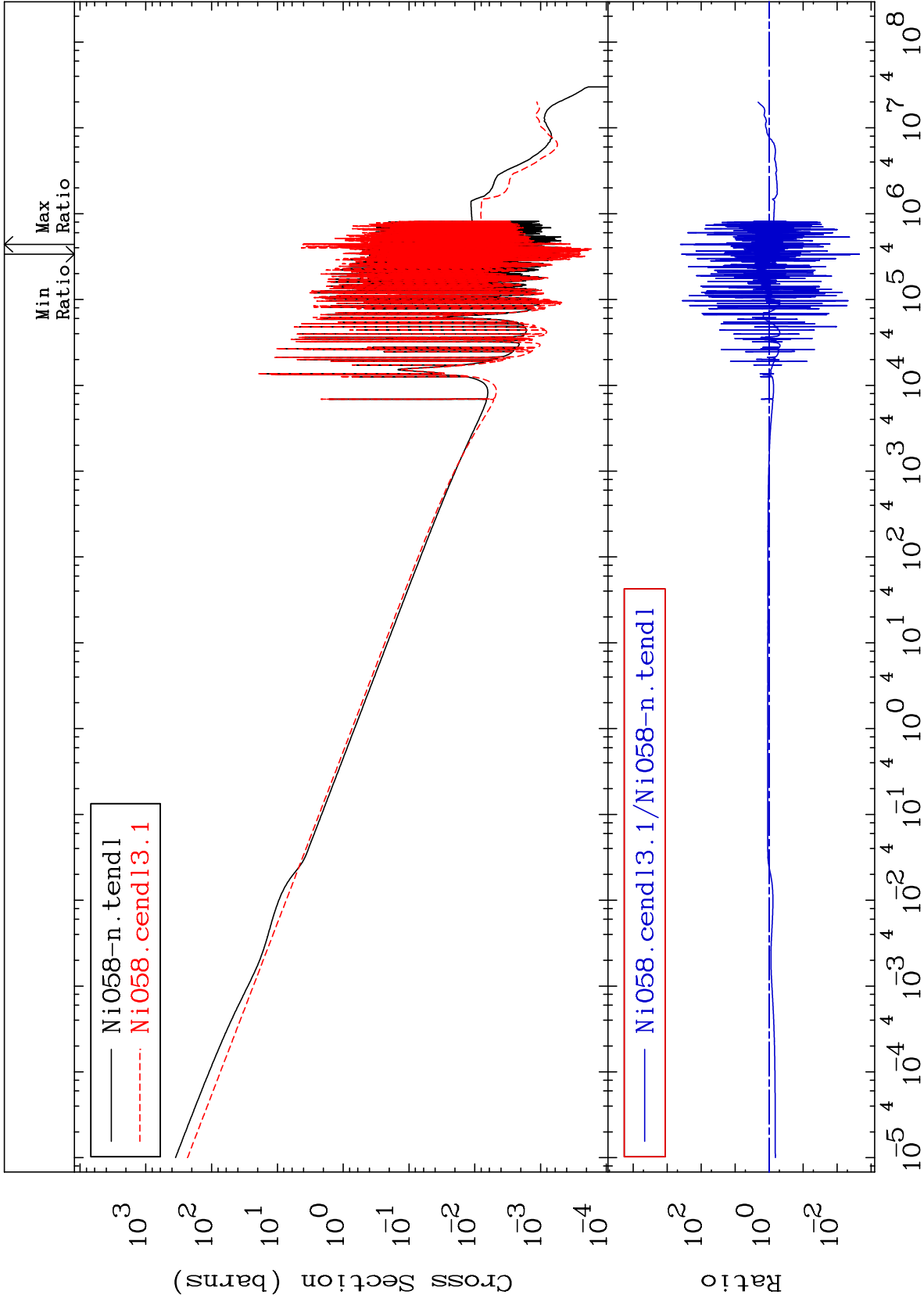
28-Ni-58



MAT 2825

(n, γ)
Cross Section

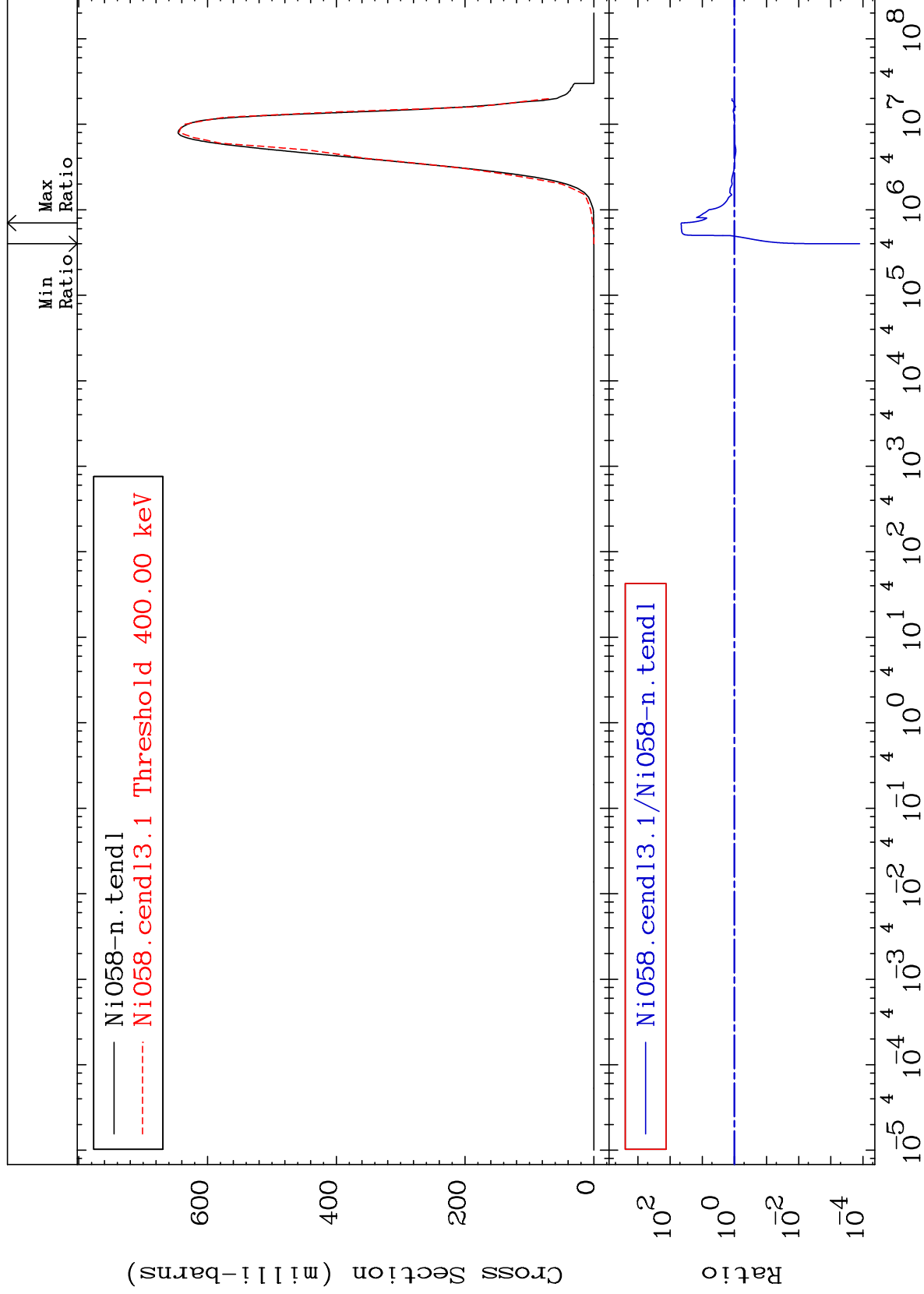
28-Ni-58
-99.78 To 9999. %



MAT 2825

(n,p)
Cross Section

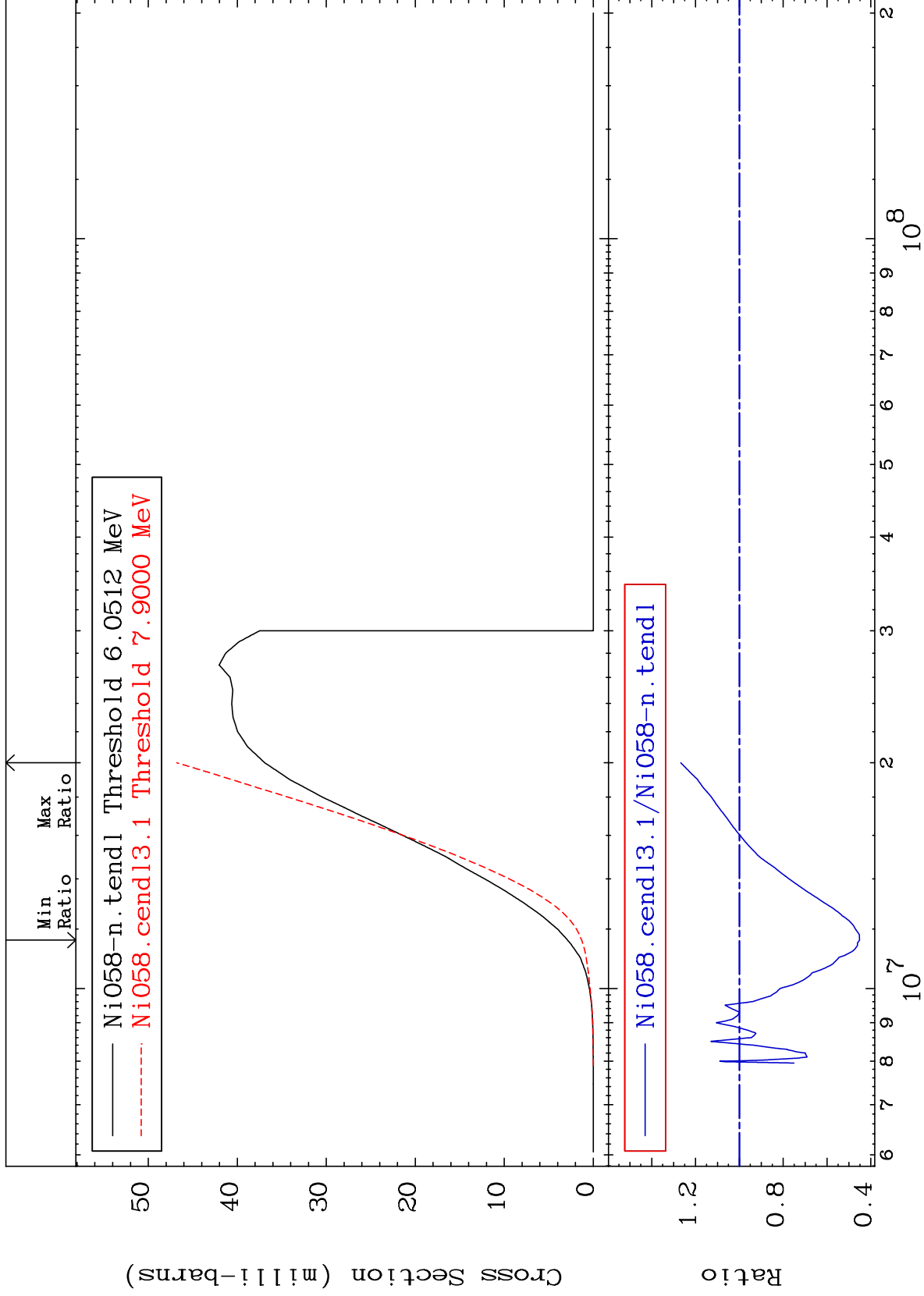
28-Ni-58
-99.99 To 4433. %



MAT 2825

(n, d)
Cross Section

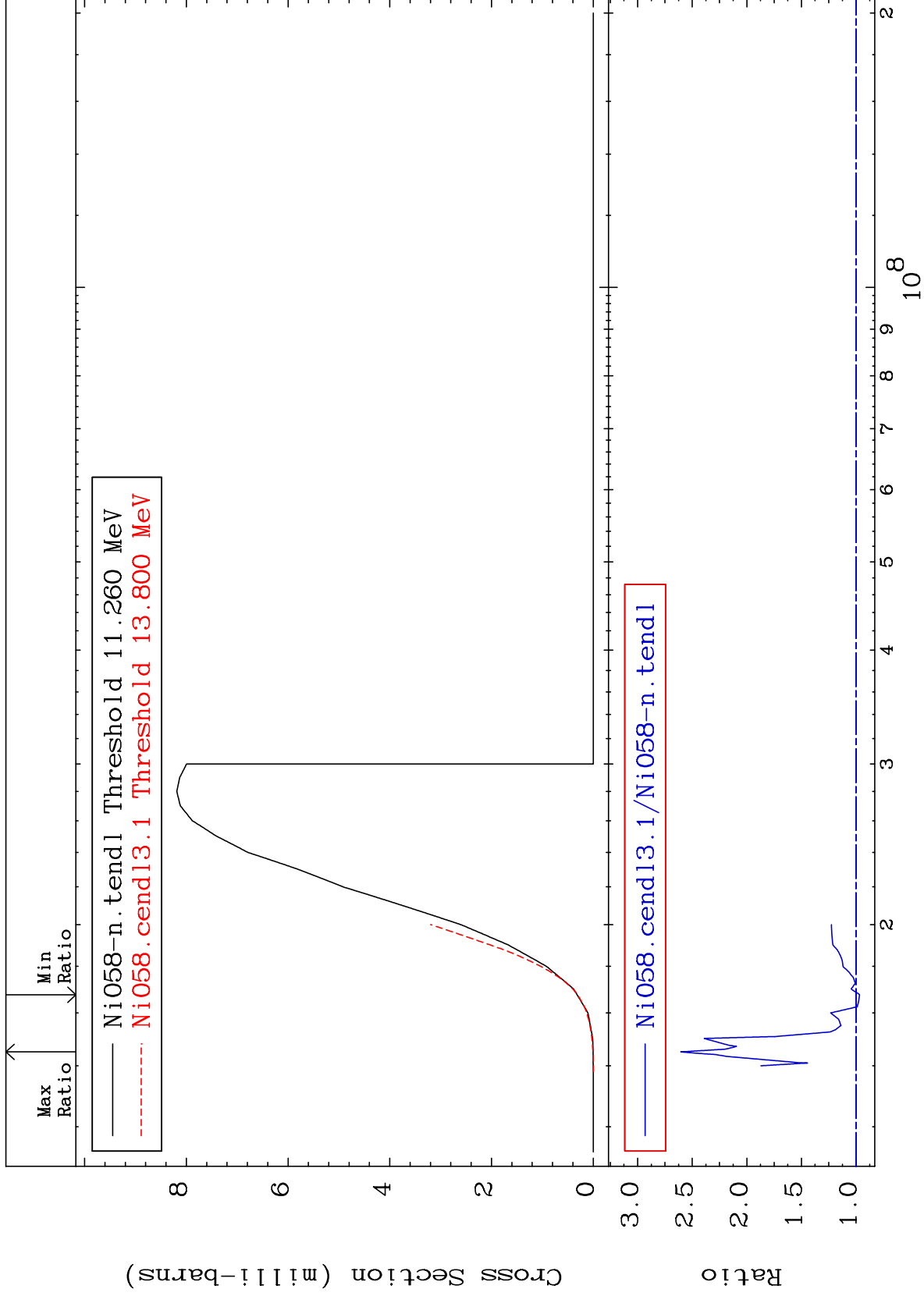
28-Ni-58
-54.83 To 26.75 %



28

Incident Energy (eV)

28-Ni-58



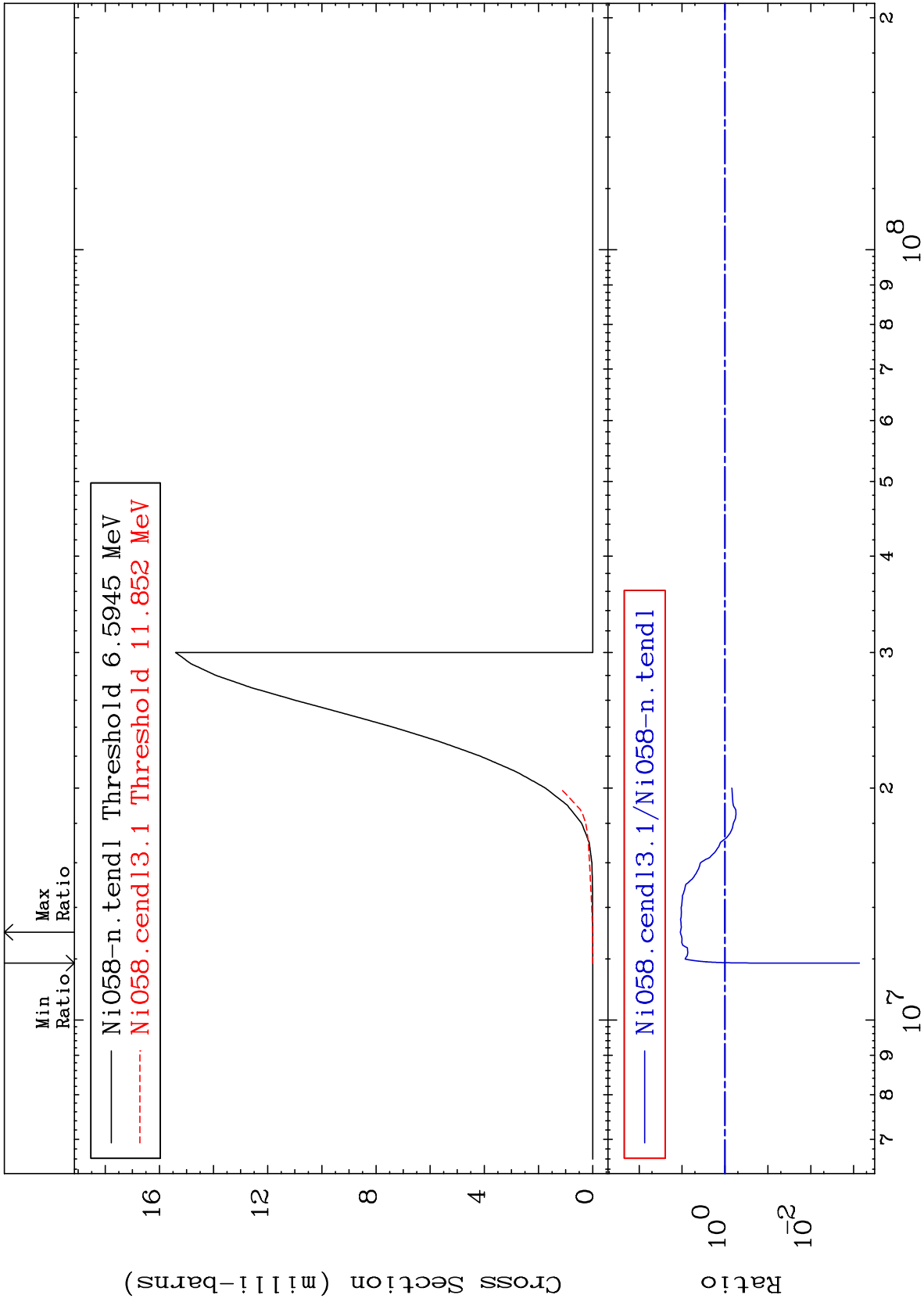
MAT 2825

(n, He-3)

28-Ni-58

Cross Section

-99.93 To 994.7 %



30

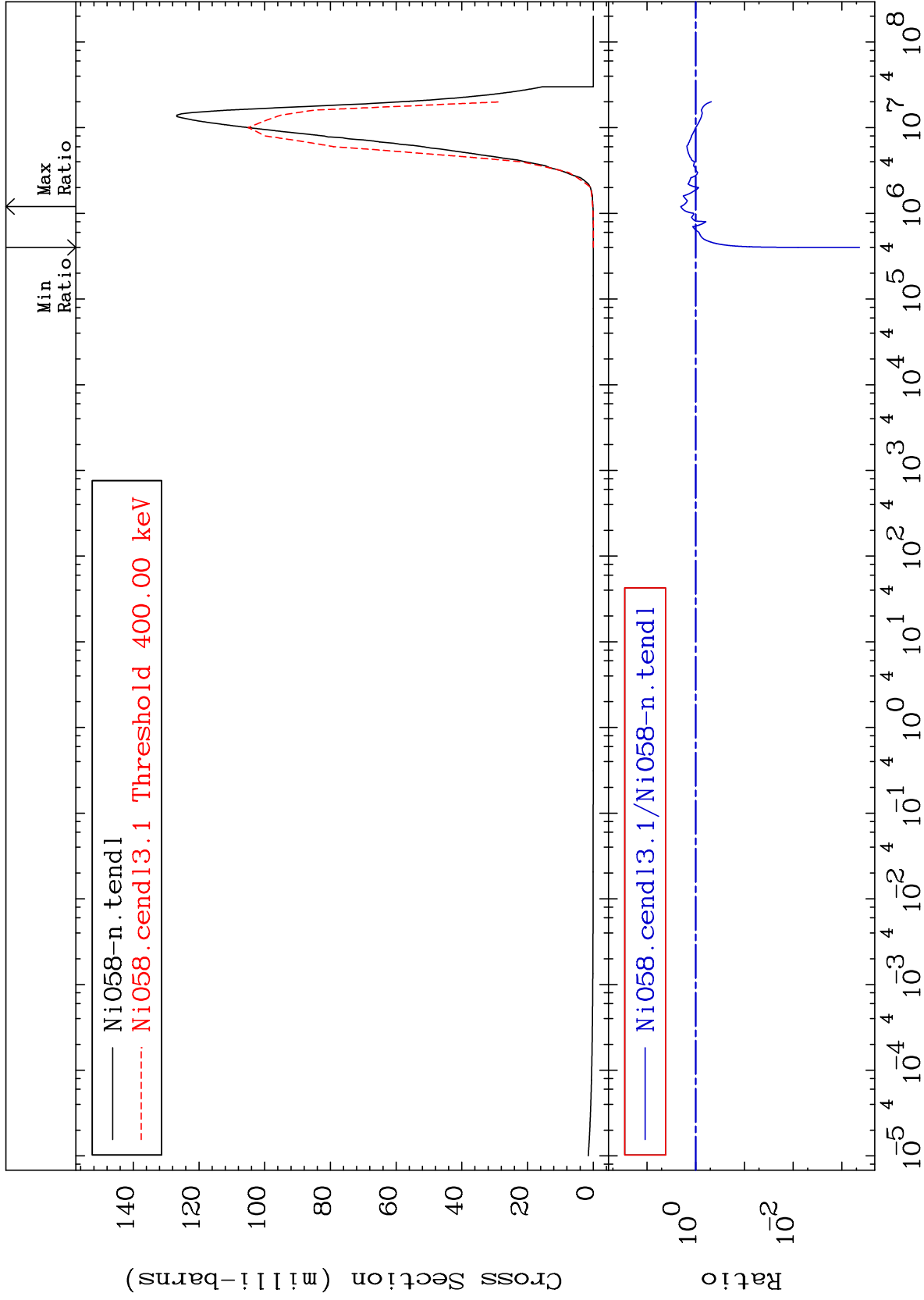
Incident Energy (eV)

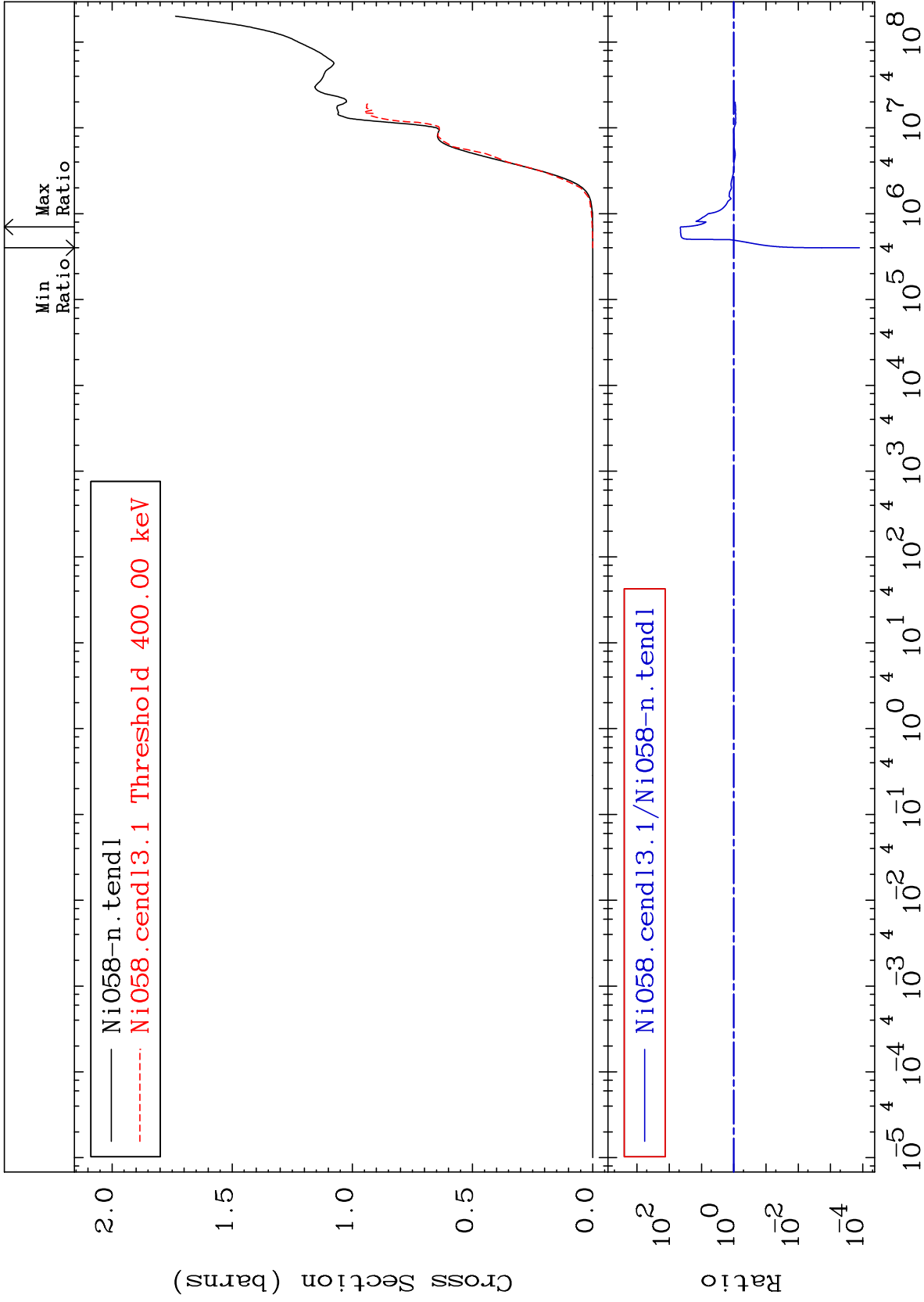
28-Ni-58

MAT 2825

(n, α)
Cross Section

28-Ni-58
-99.96 To 101.9 %

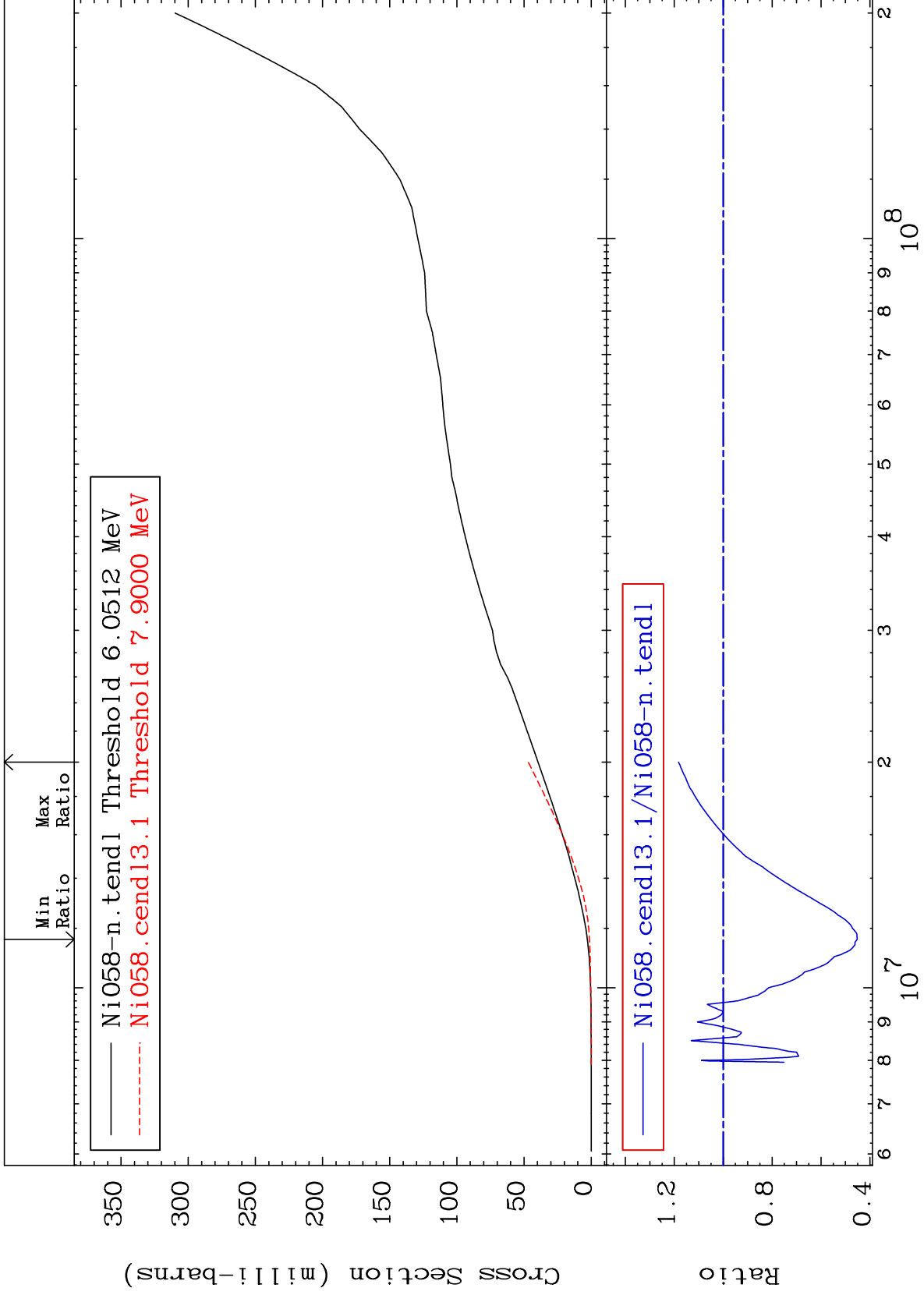


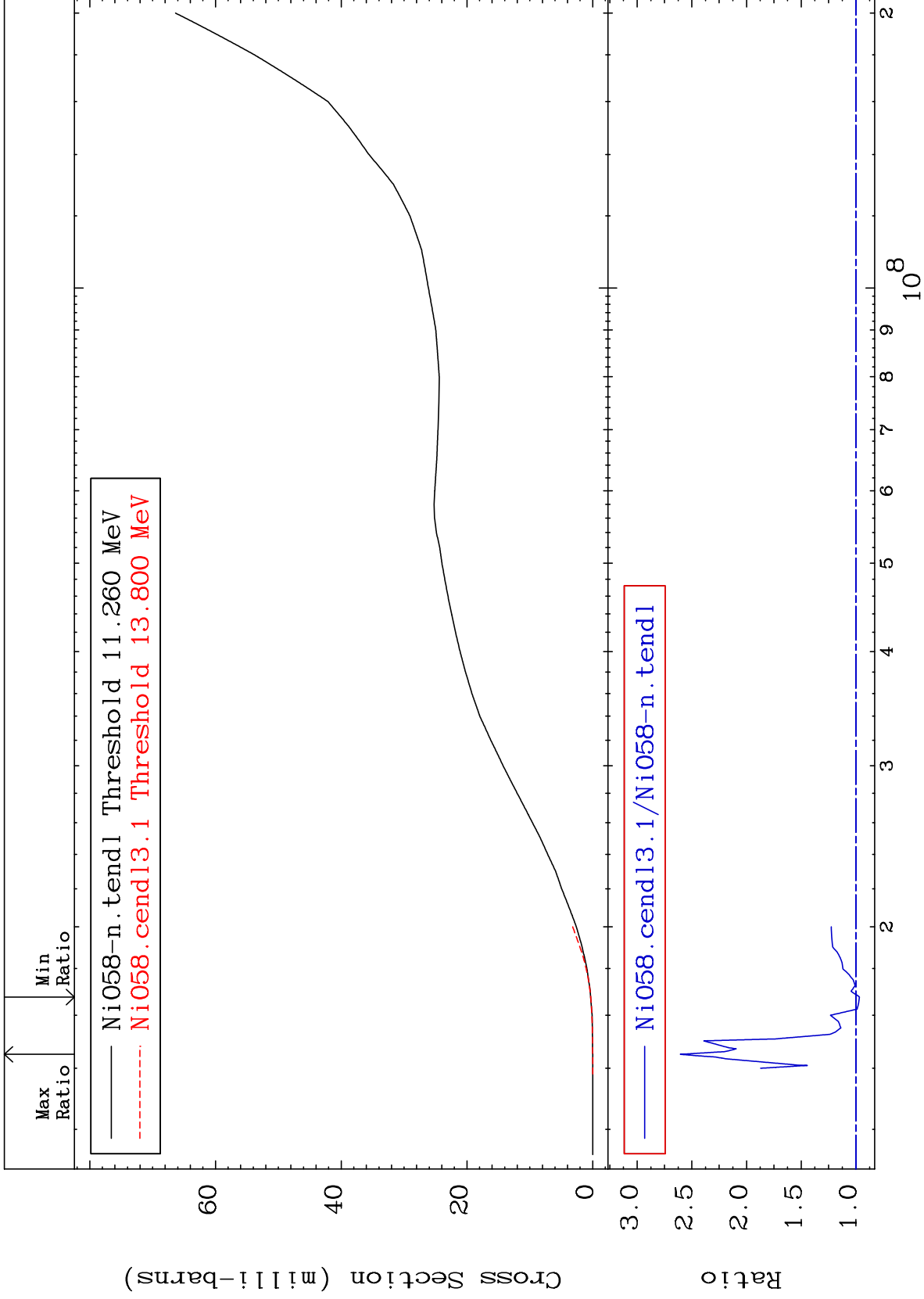


MAT 2825

Deuterium Production
Cross Section

²⁸Ni-58
-54.83 To 18.24 %

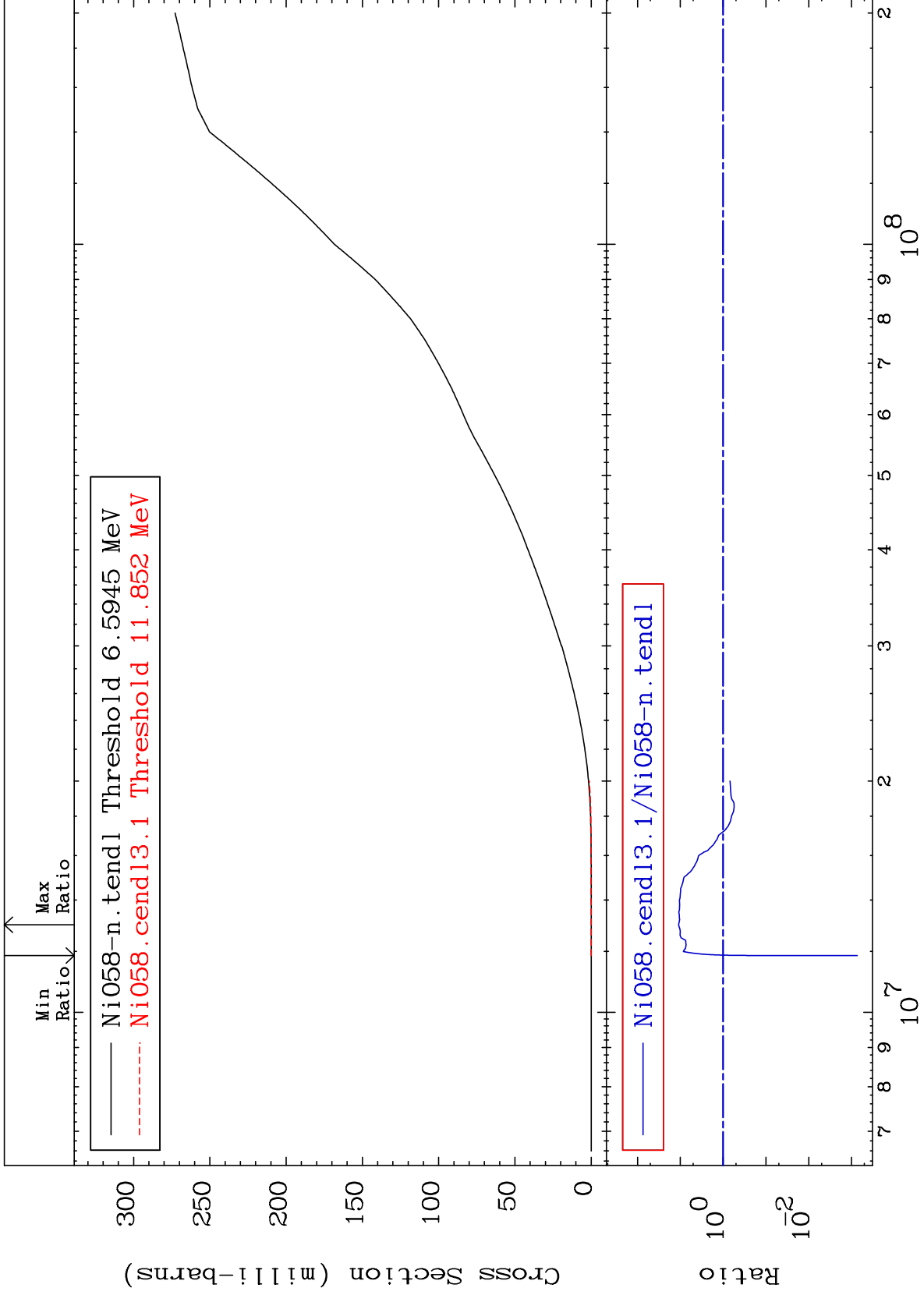




MAT 2825

He-3 Production
Cross Section

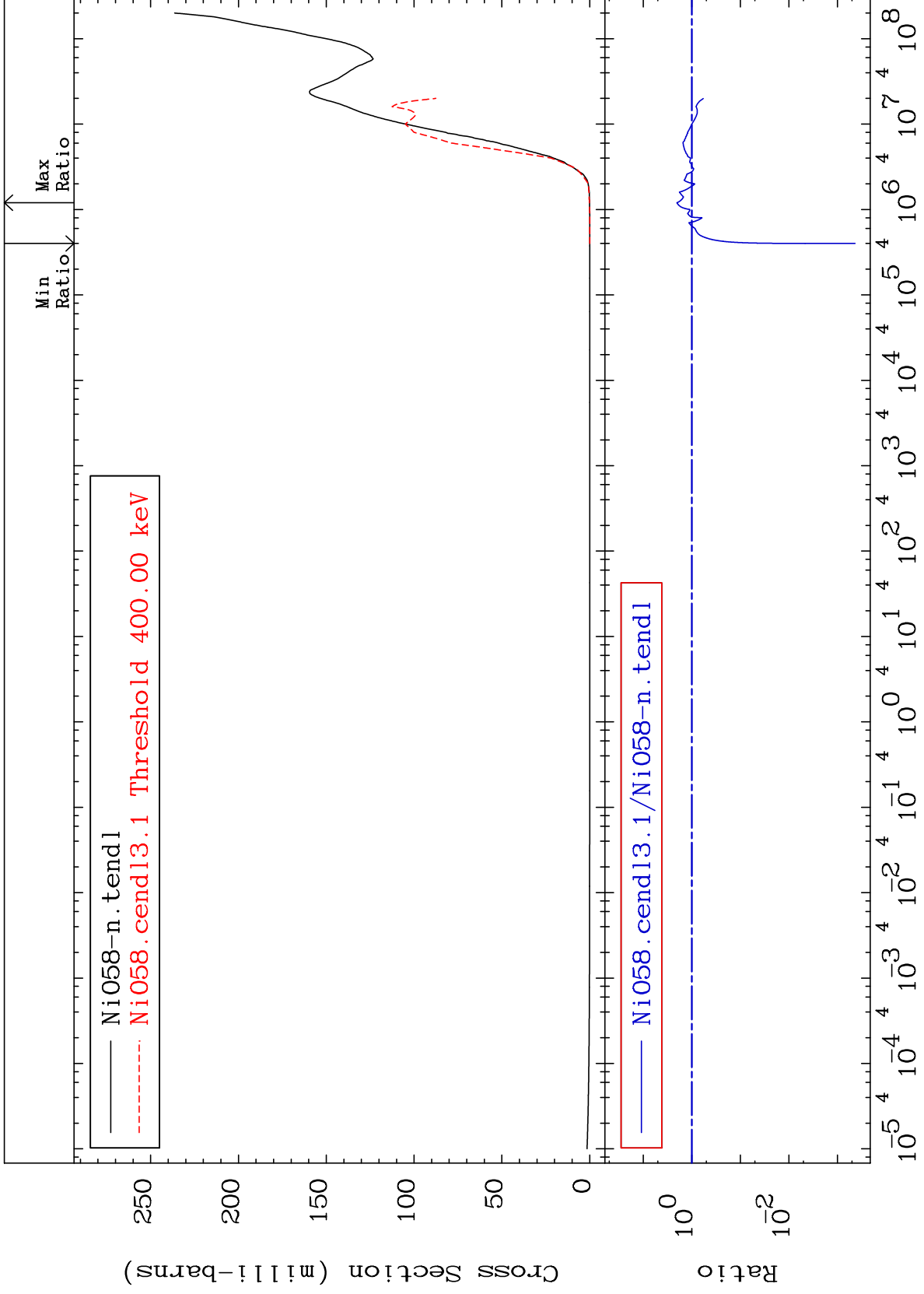
²⁸Ni-58
-99.93 To 994.7 %

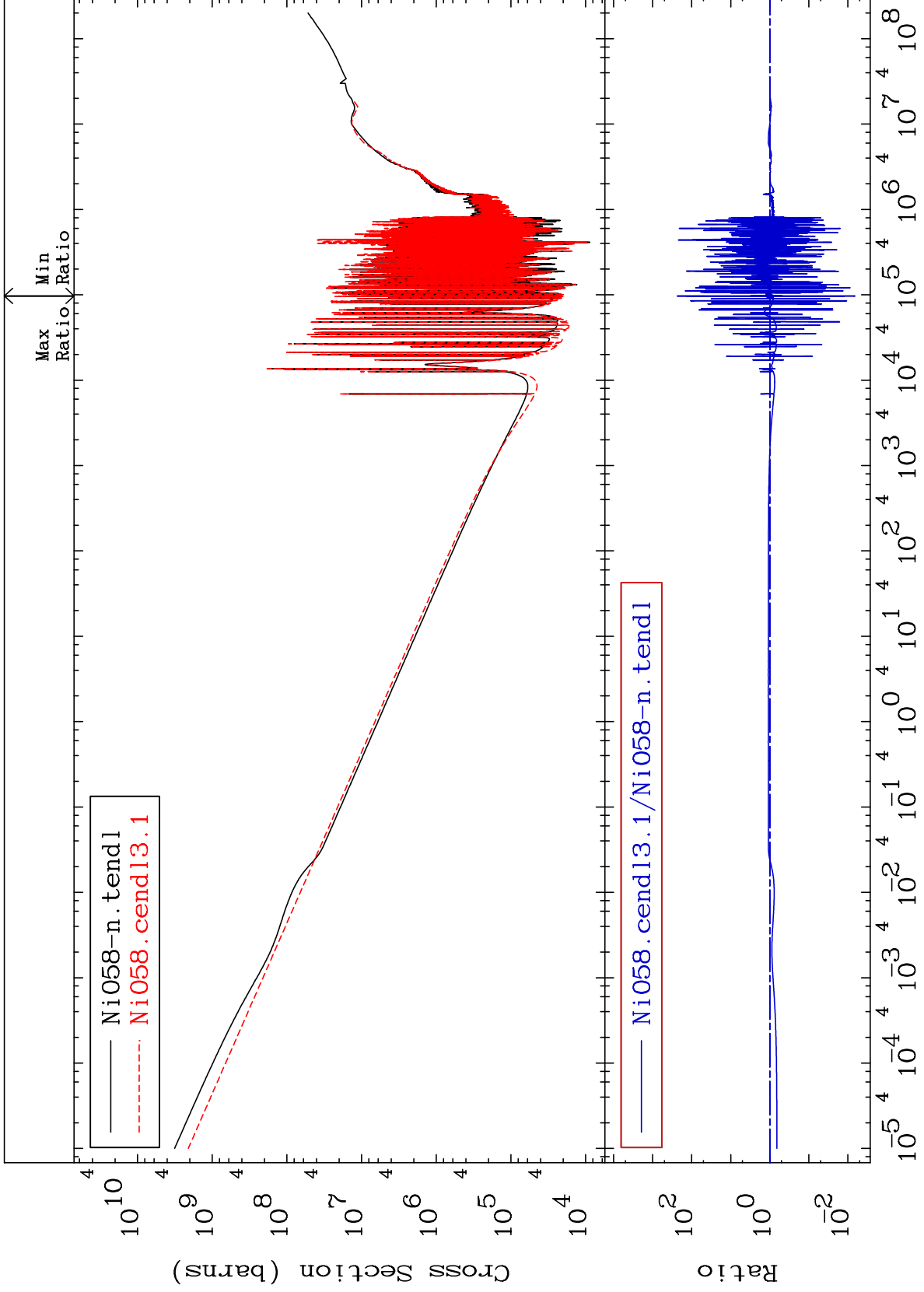


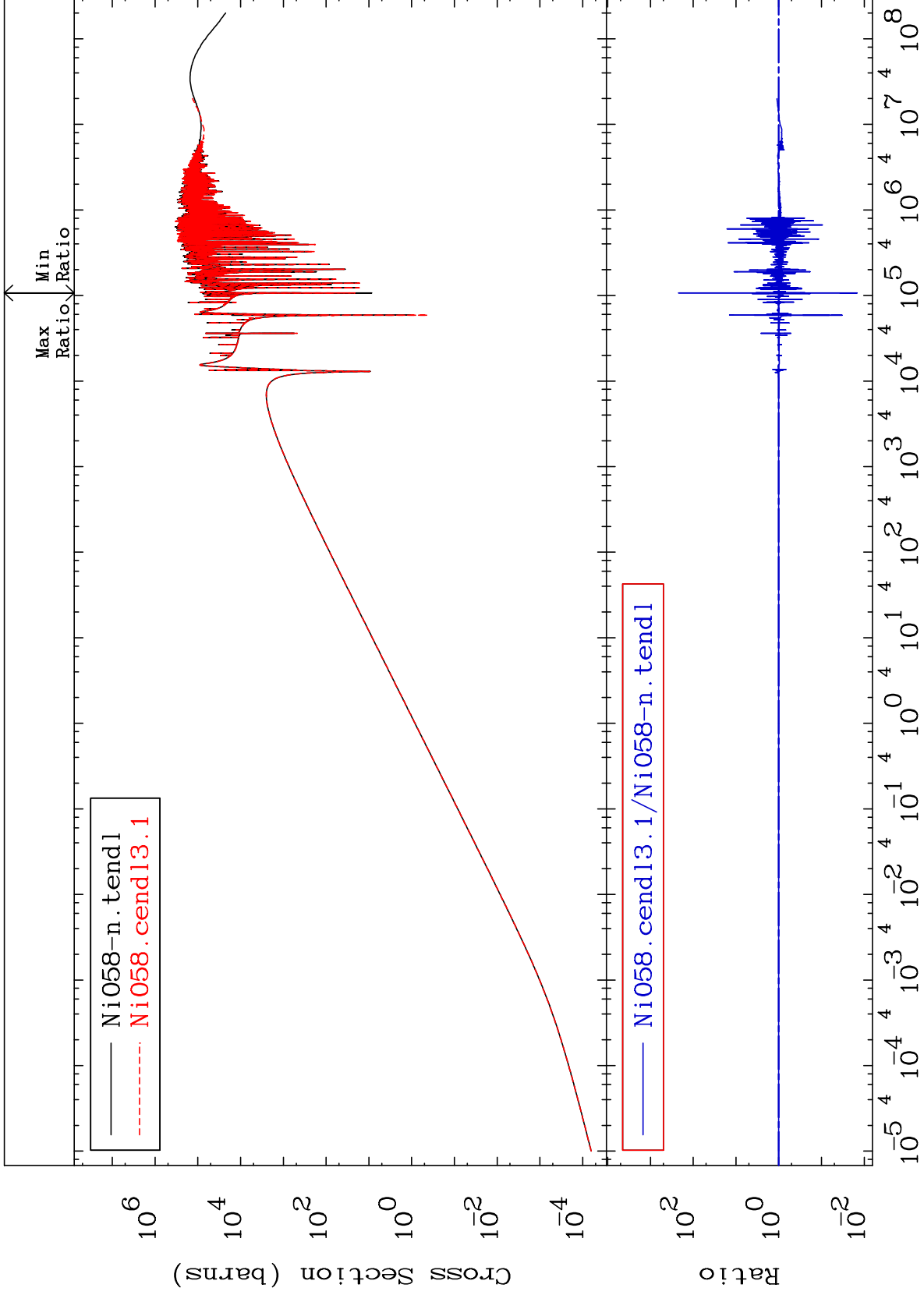
35

Incident Energy (eV)

²⁸Ni-58



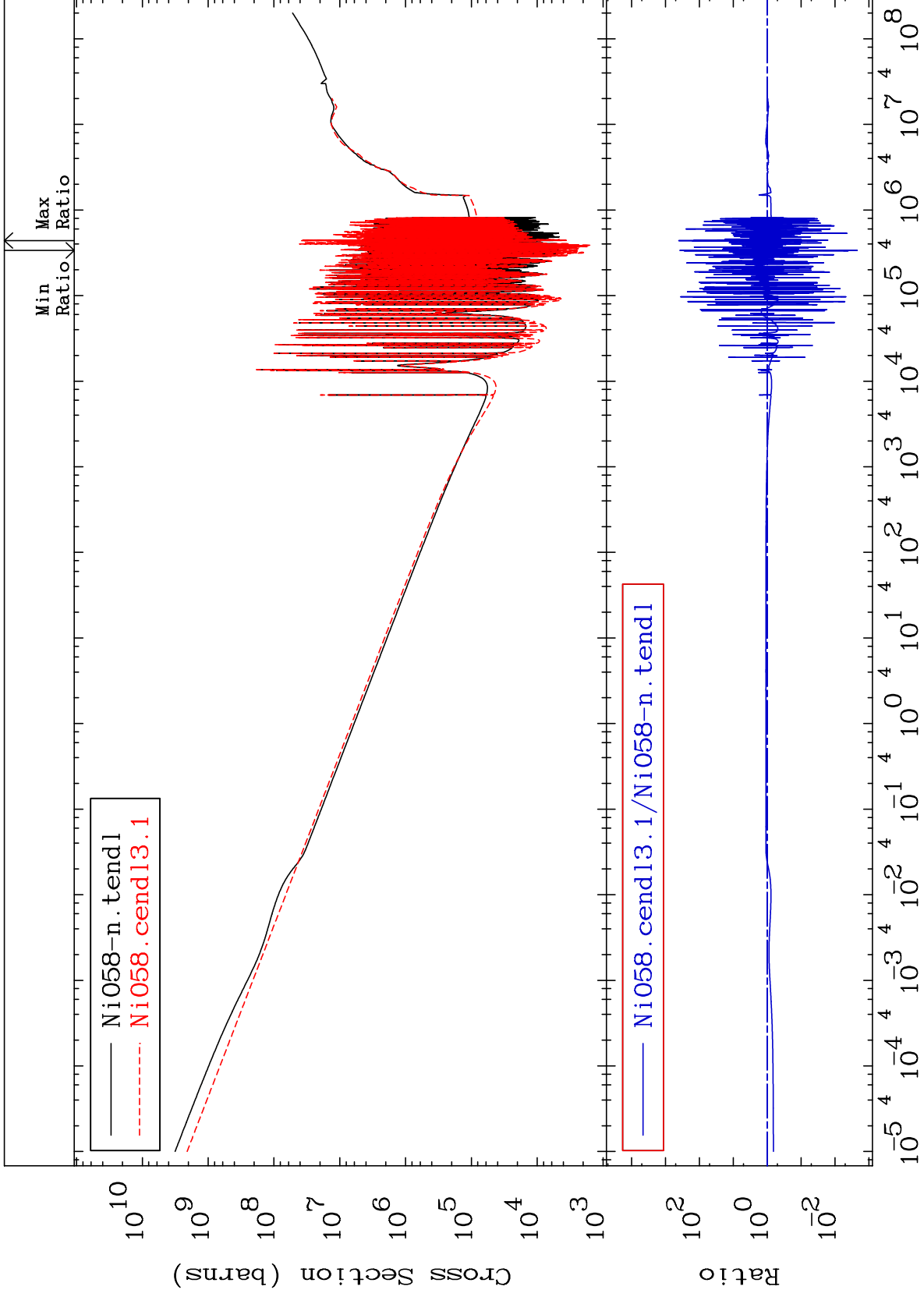


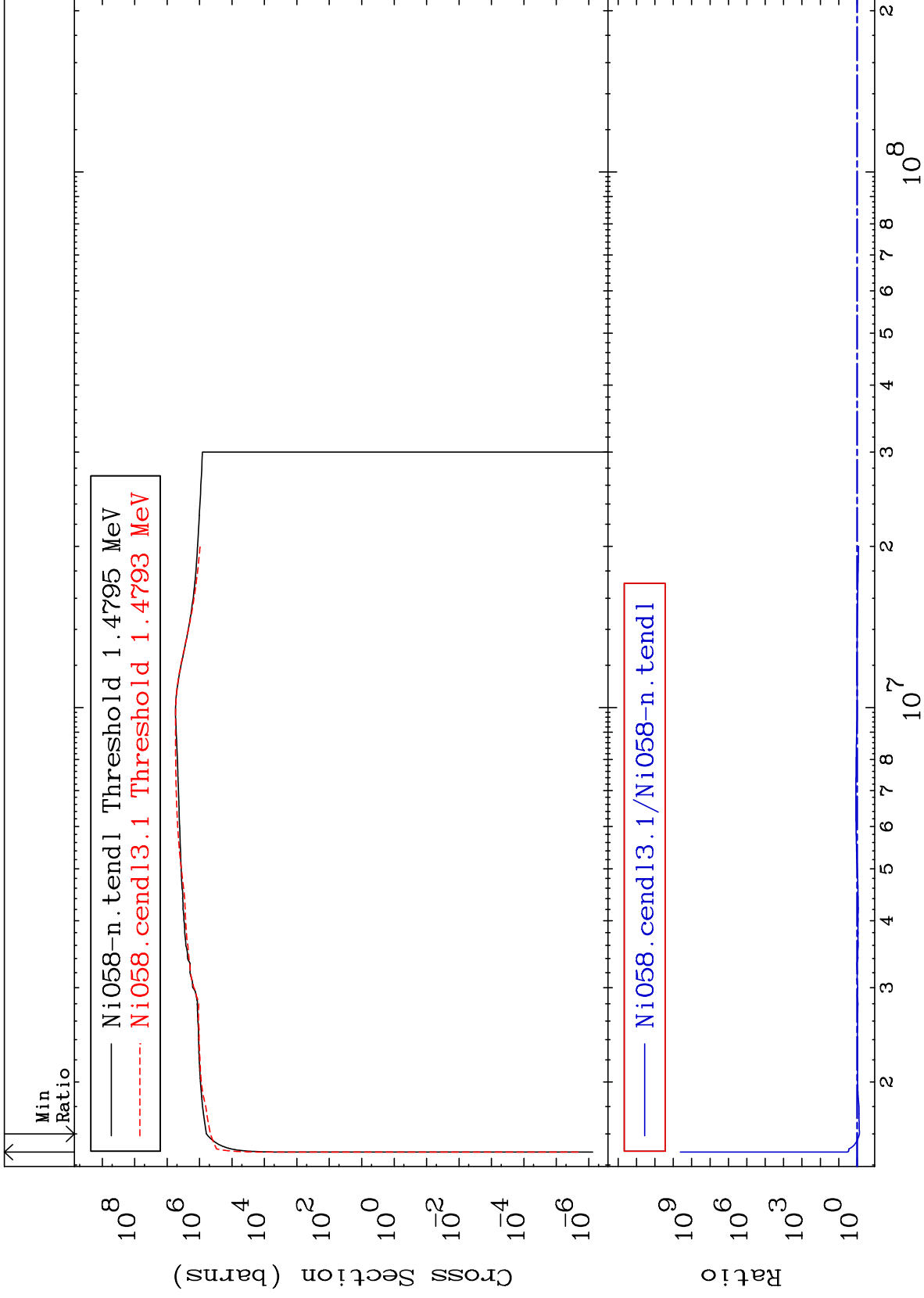


MAT 2825

Kerma non-elastic (all but mt2)
Cross Section

28-Ni-58
-99.78 To 9999. %

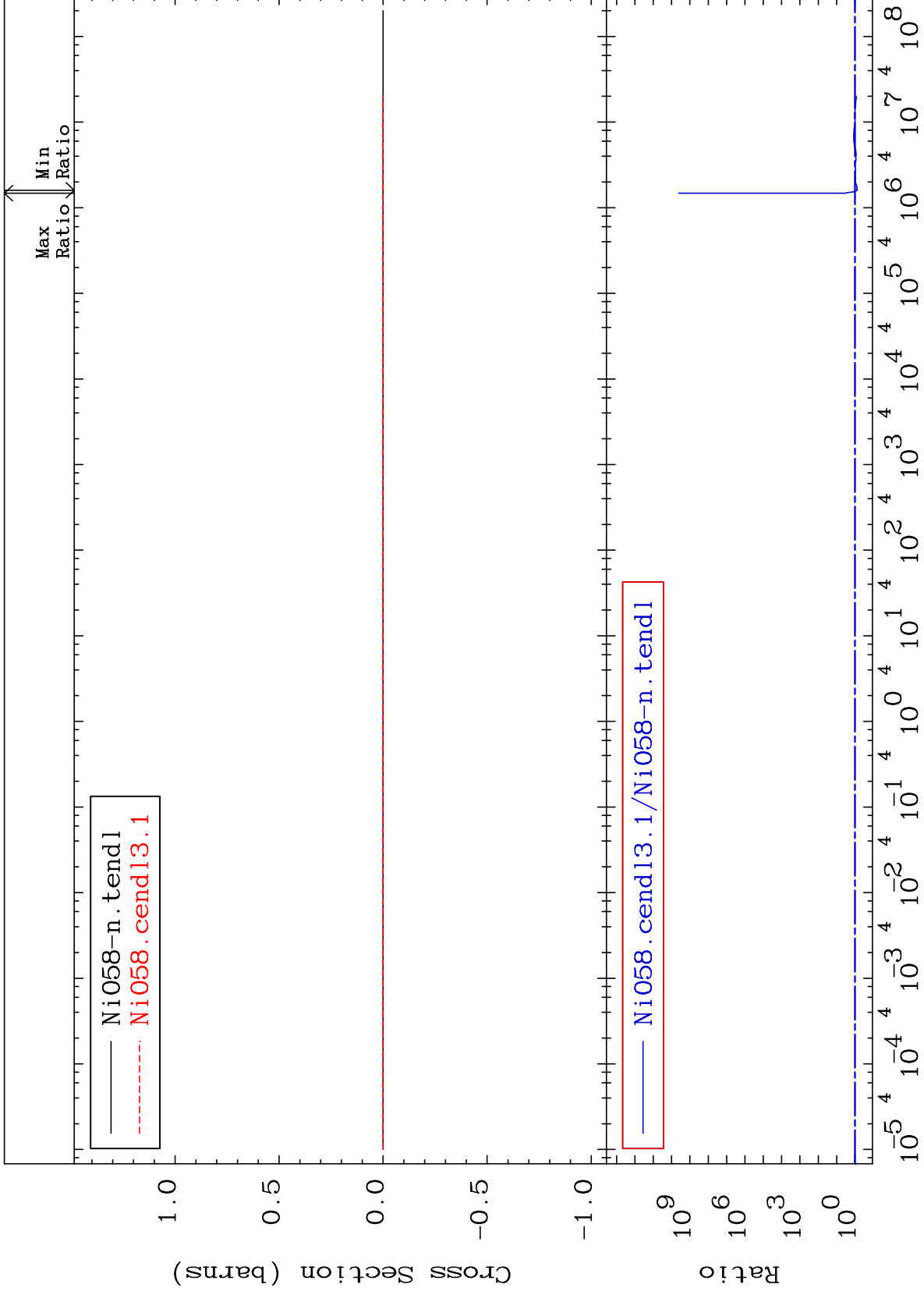




MAT 2825

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

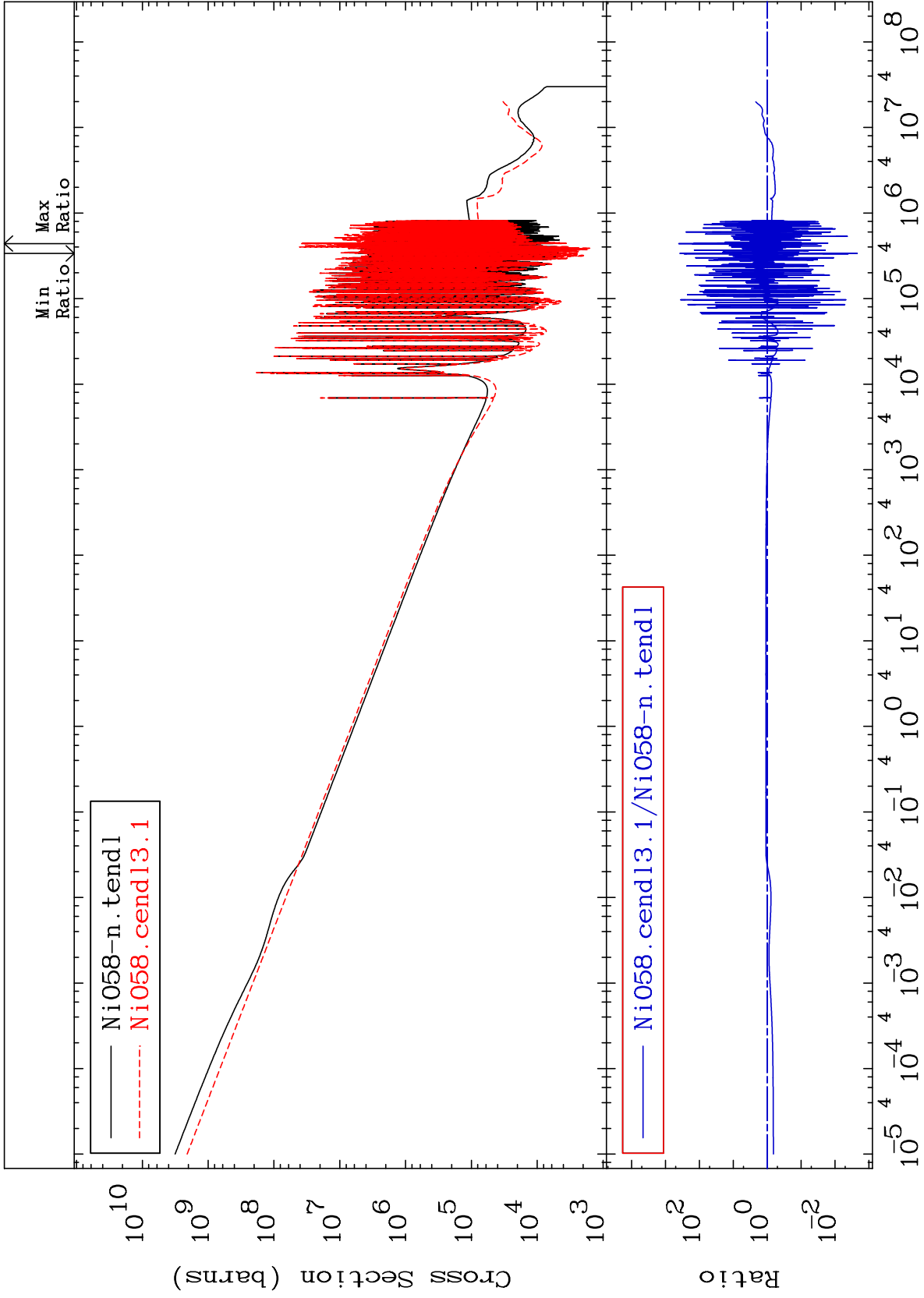
28-Ni-58
-24.98 To 9999. %

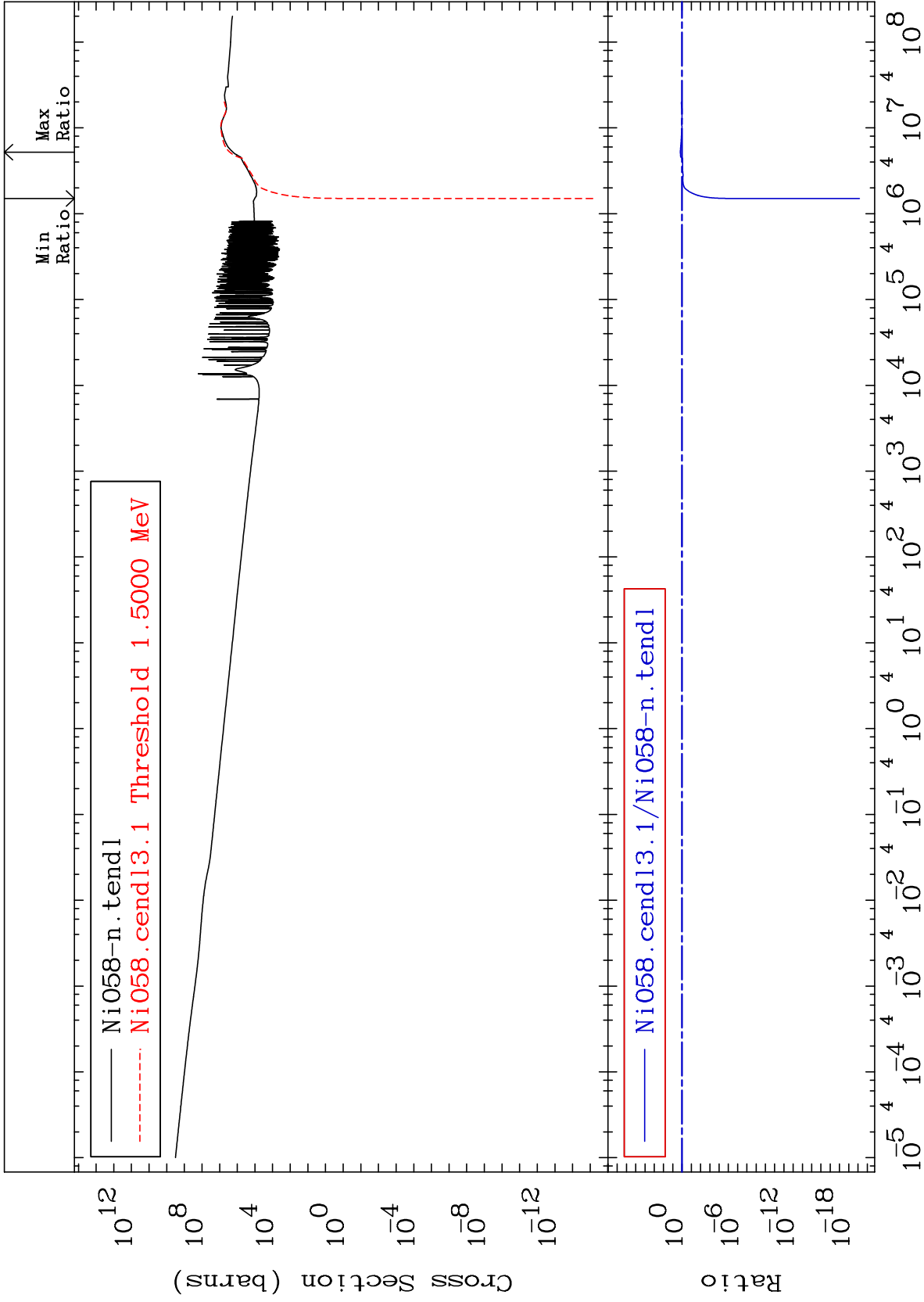


MAT 2825

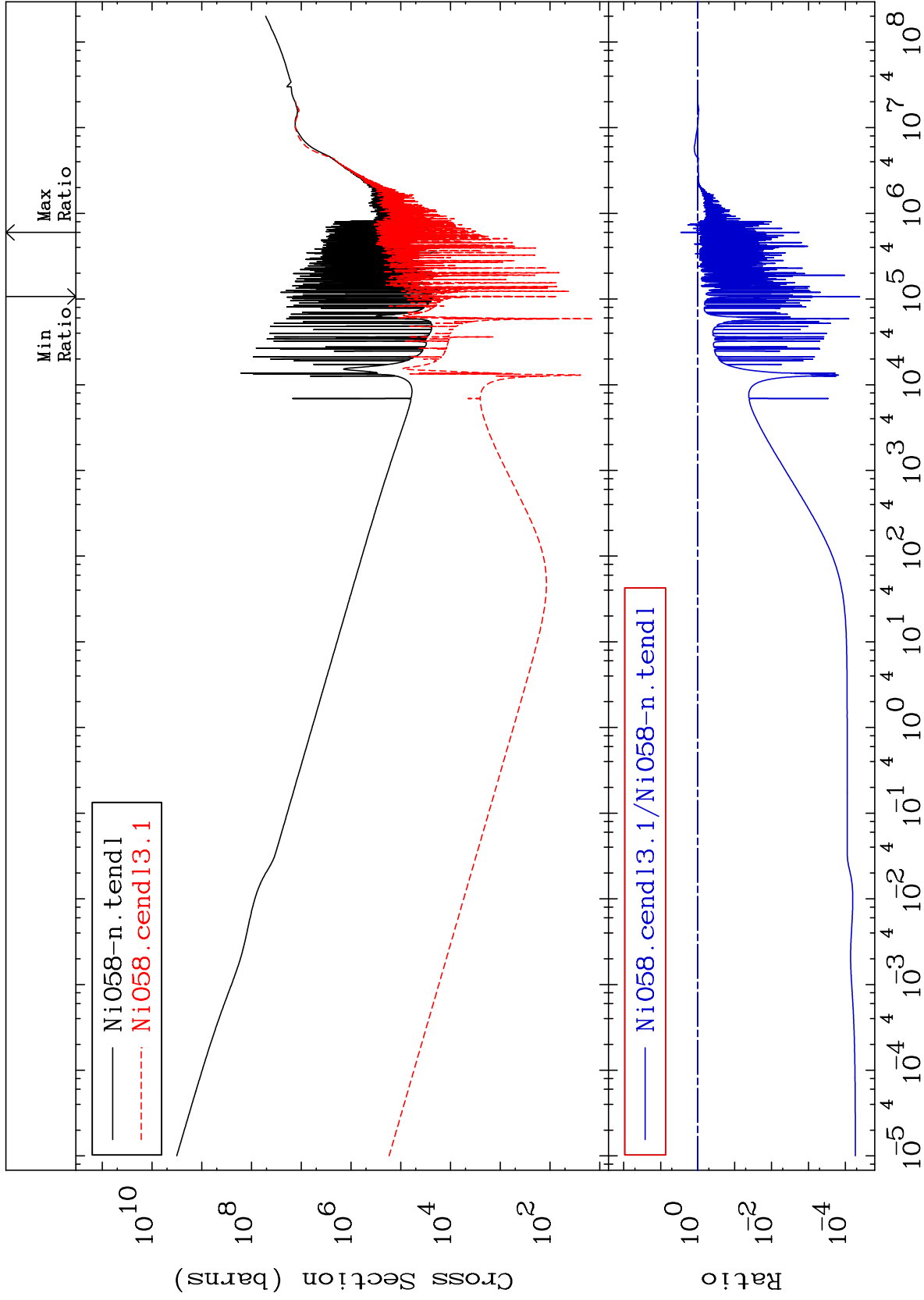
Kerma capture (mt102)
Cross Section

28-Ni-58
-99.78 To 9999. %





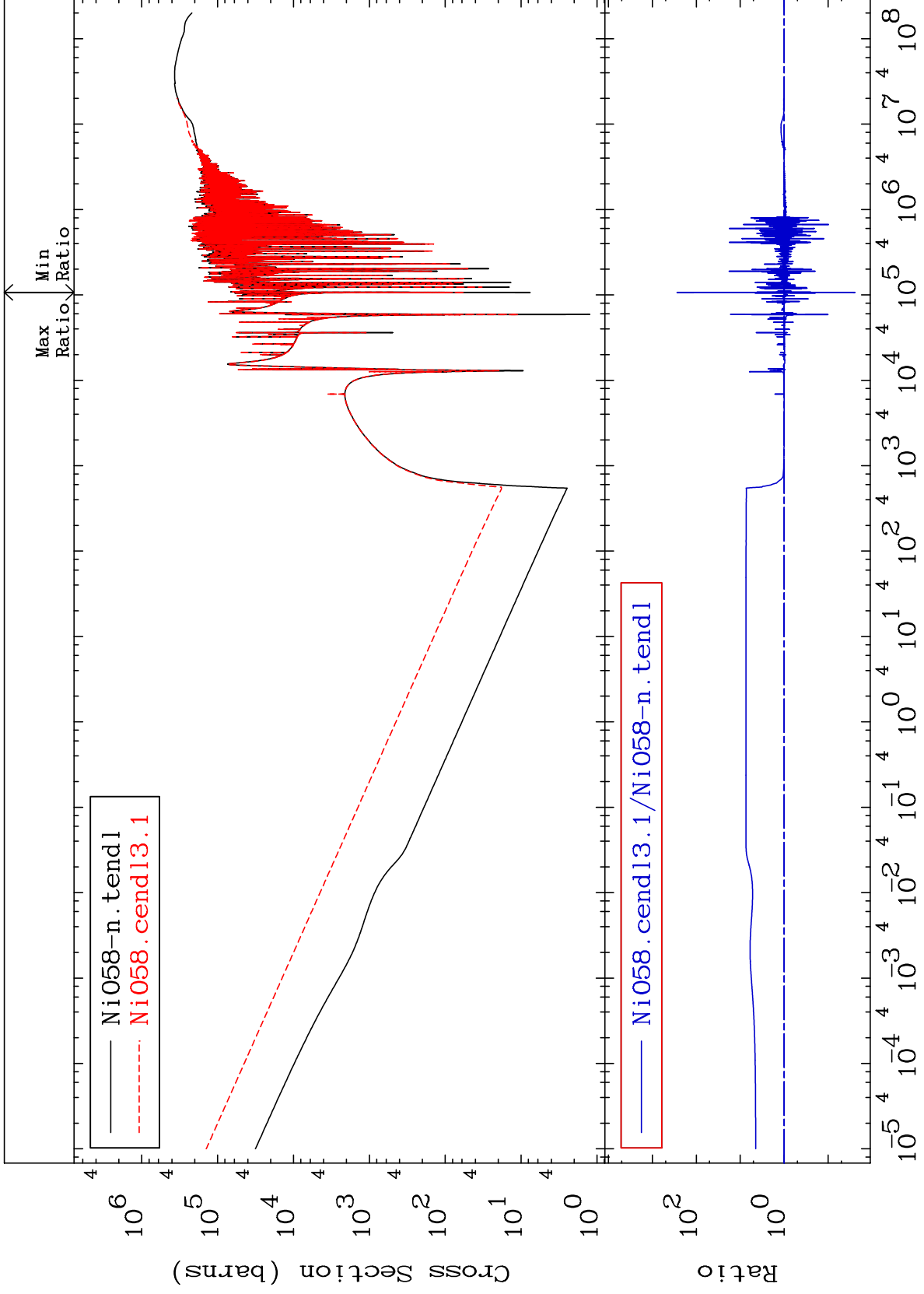
-100.0 To 185.5 %



MAT 2825

Dpa total (eV-barns)
Cross Section

28-Ni-58
-97.57 To 9999. %



45

Incident Energy (eV)

28-Ni-58

