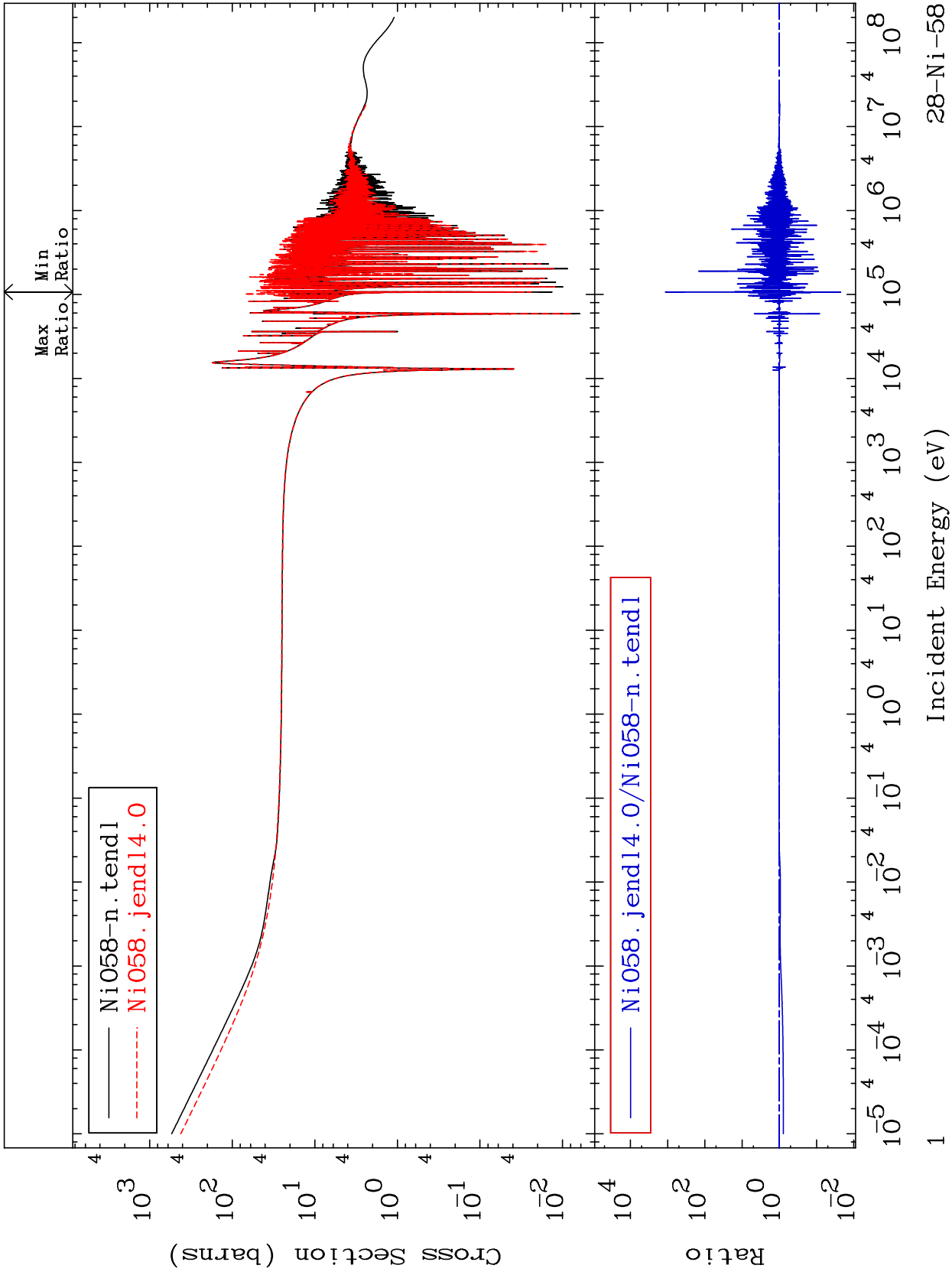


MAT 2825

Total
Cross Section

28-Ni-58
-97.76 To 9999. %



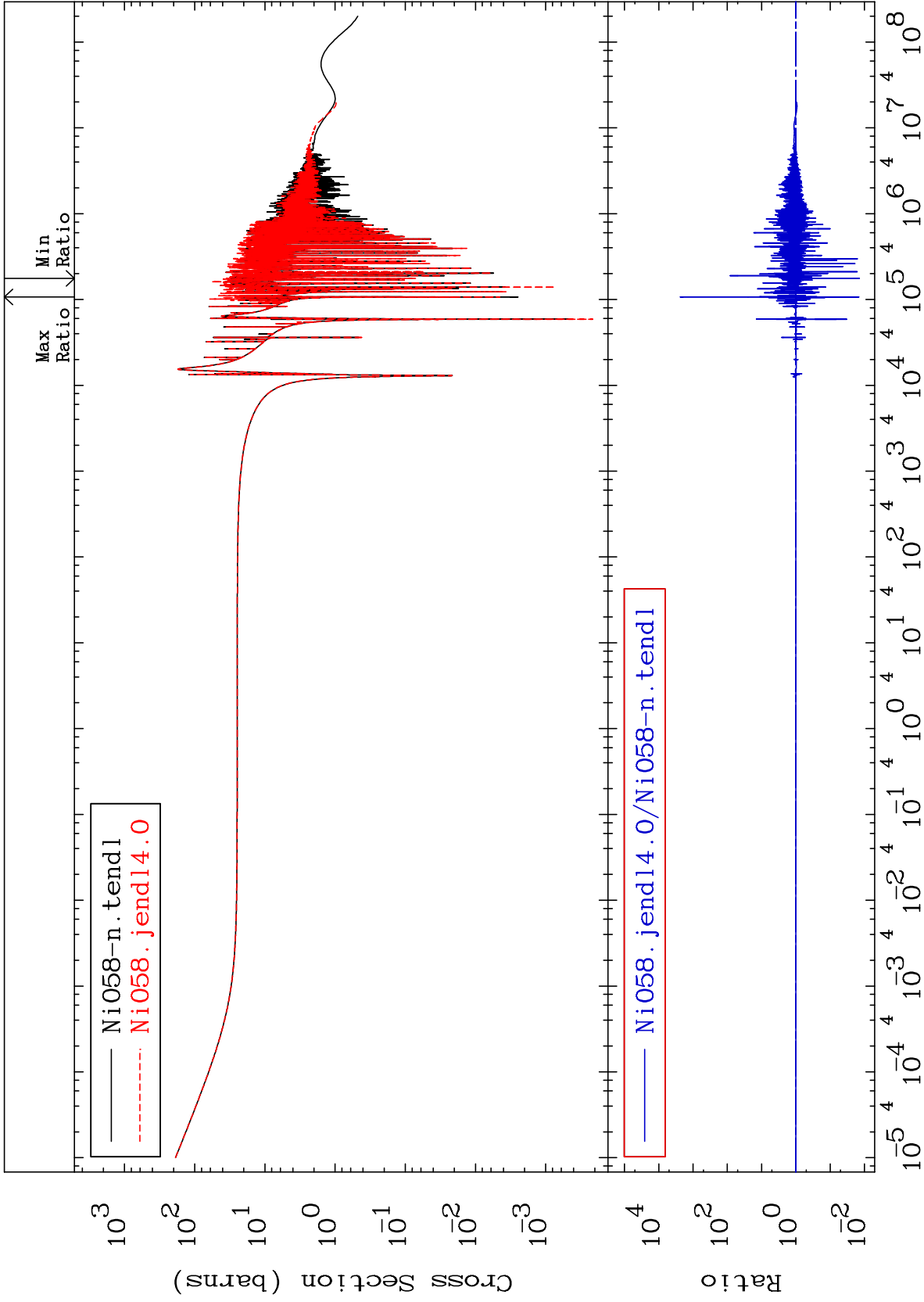
28-Ni-58

Incident Energy (eV)

MAT 2825

Elastic
Cross Section

28-Ni-58
-98.60 To 9999. %



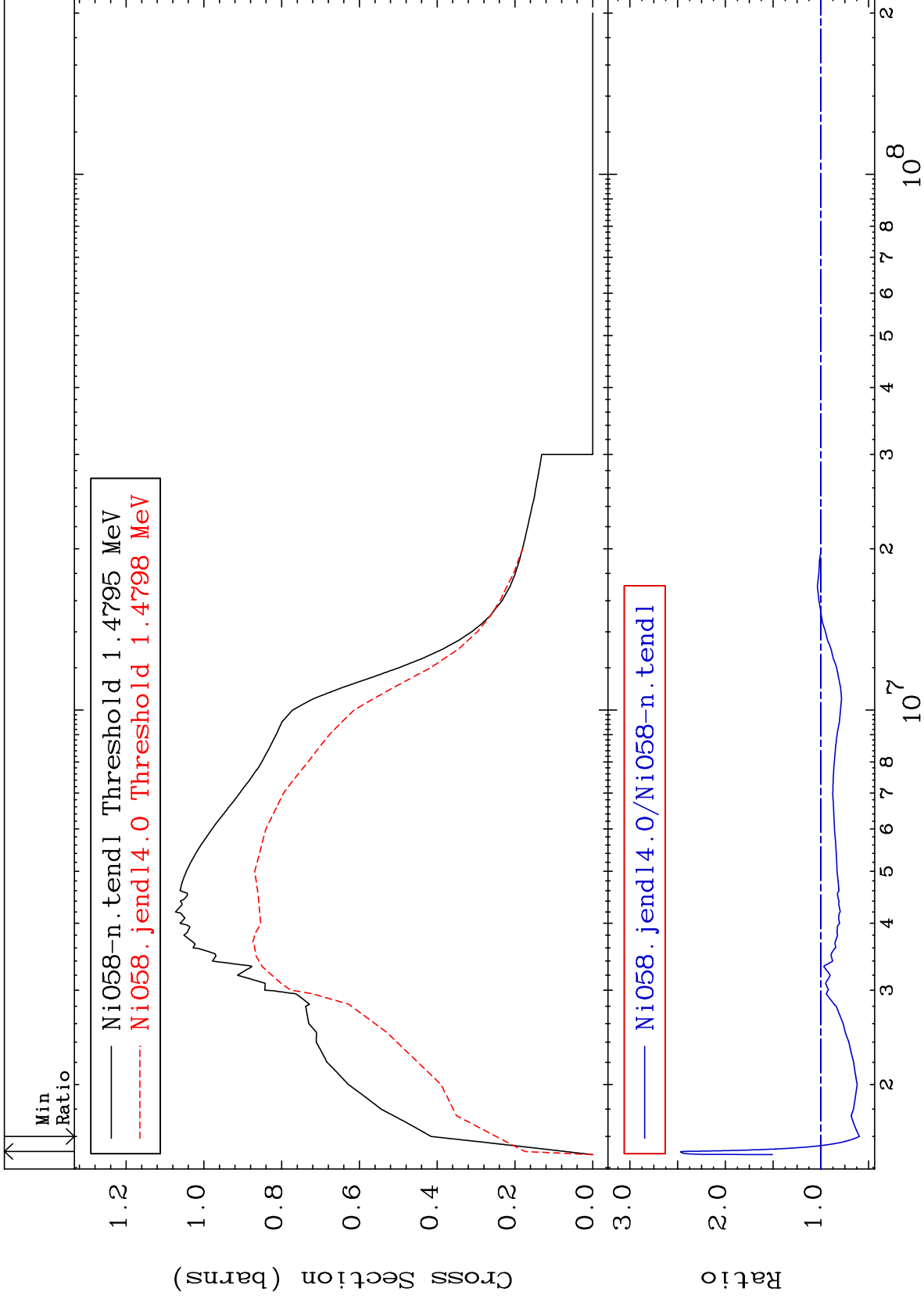
Incident Energy (eV)

28-Ni-58

MAT 2825

Inelastic
Cross Section

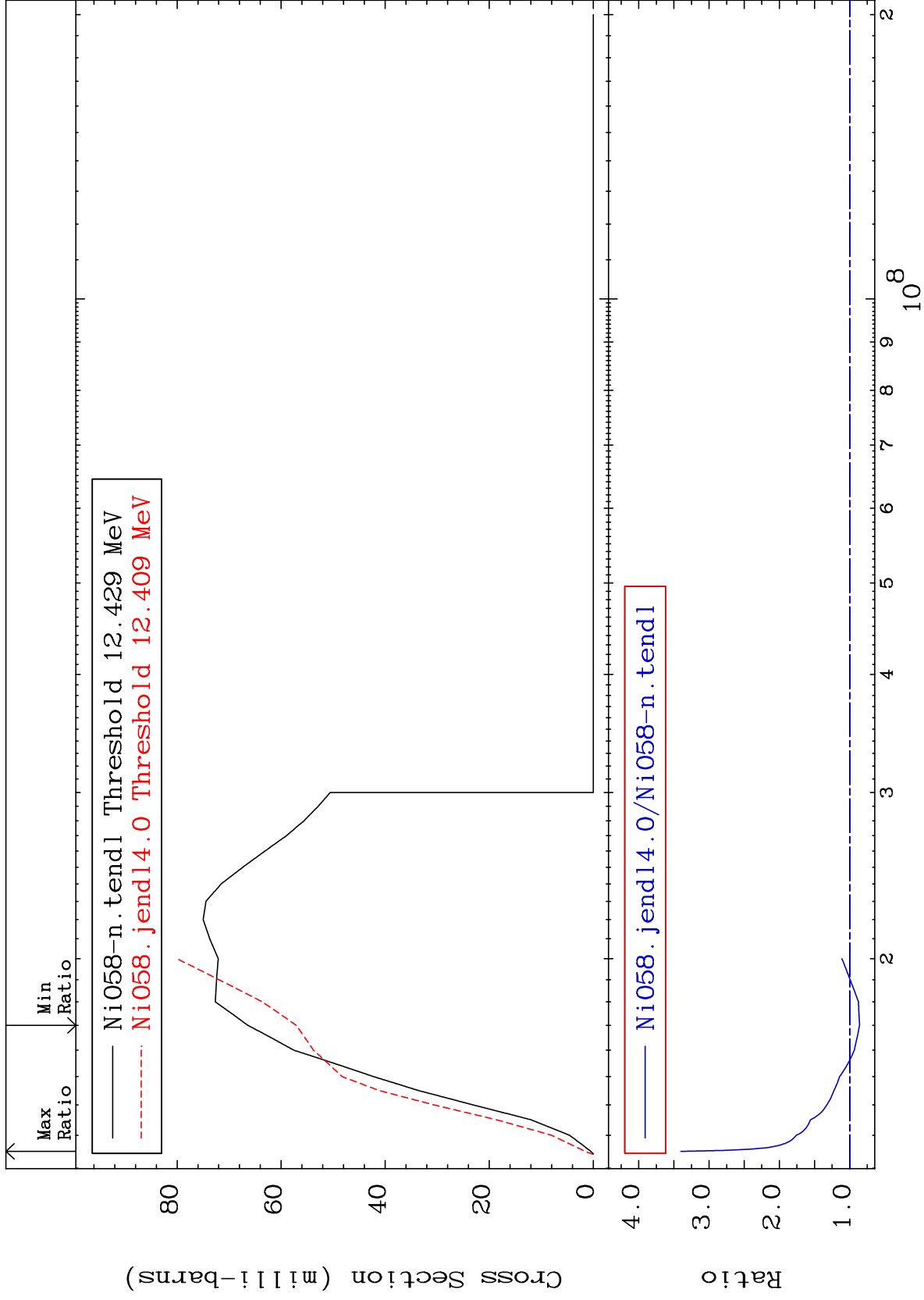
28-Ni-58
-40.29 To 147.2 %



MAT 2825

(n,2n)
Cross Section

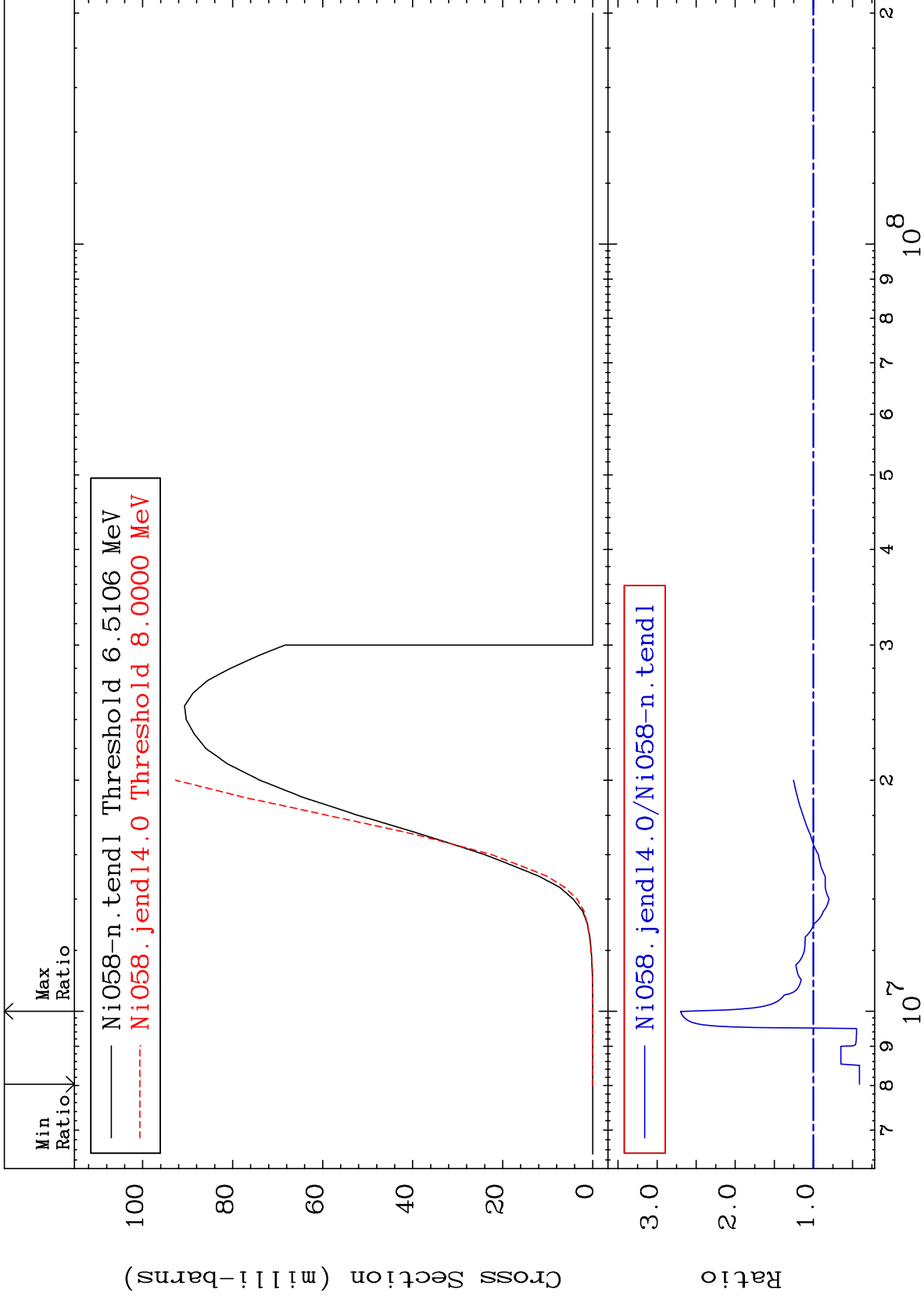
28-Ni-58
-14.02 To 240.2 %



MAT 2825

(n, n') α
Cross Section

28-Ni-58
-58.94 To 170.2 %



5

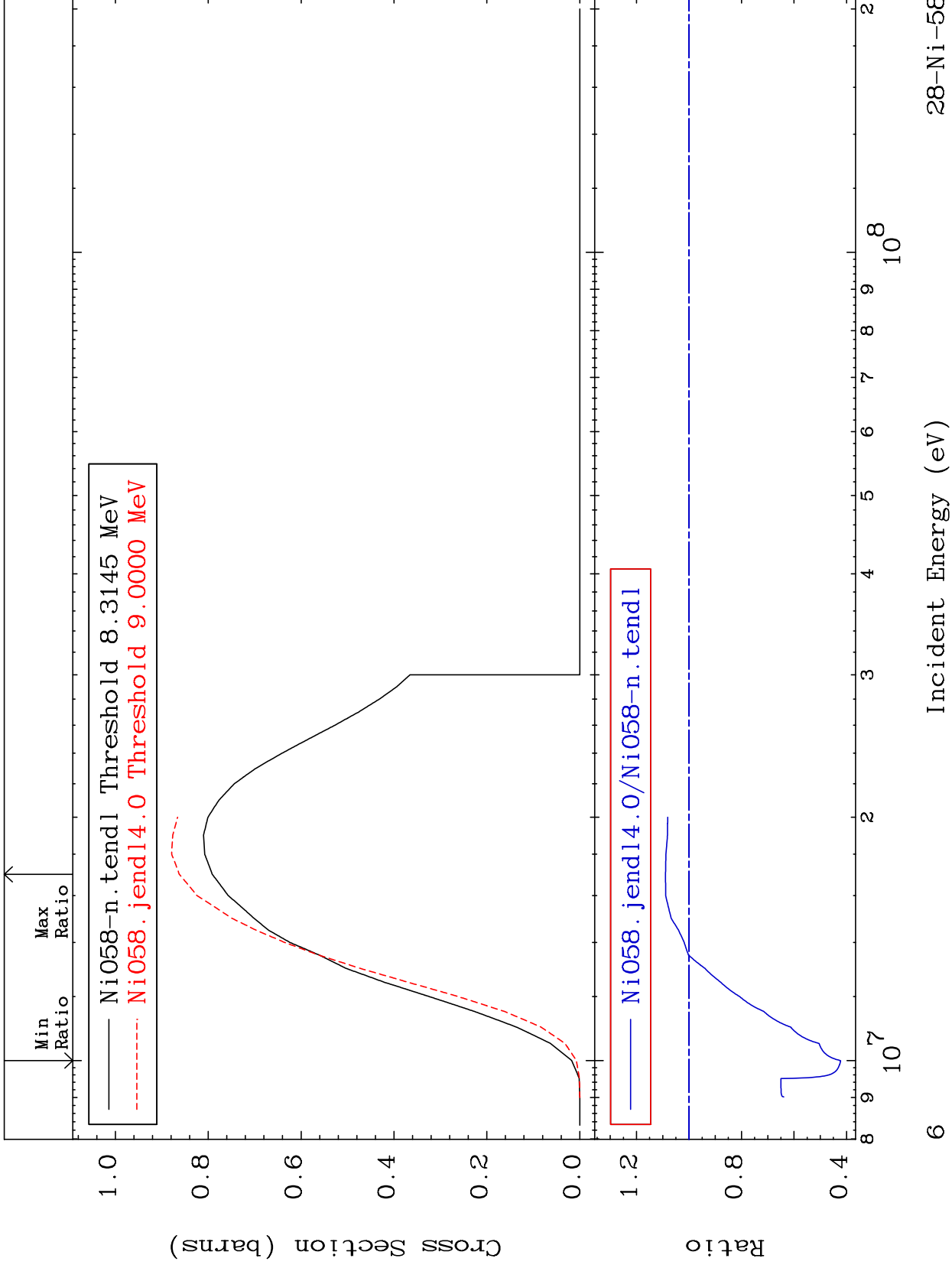
28-Ni-58

28-Ni-58

MAT 2825

(n,n') p
Cross Section

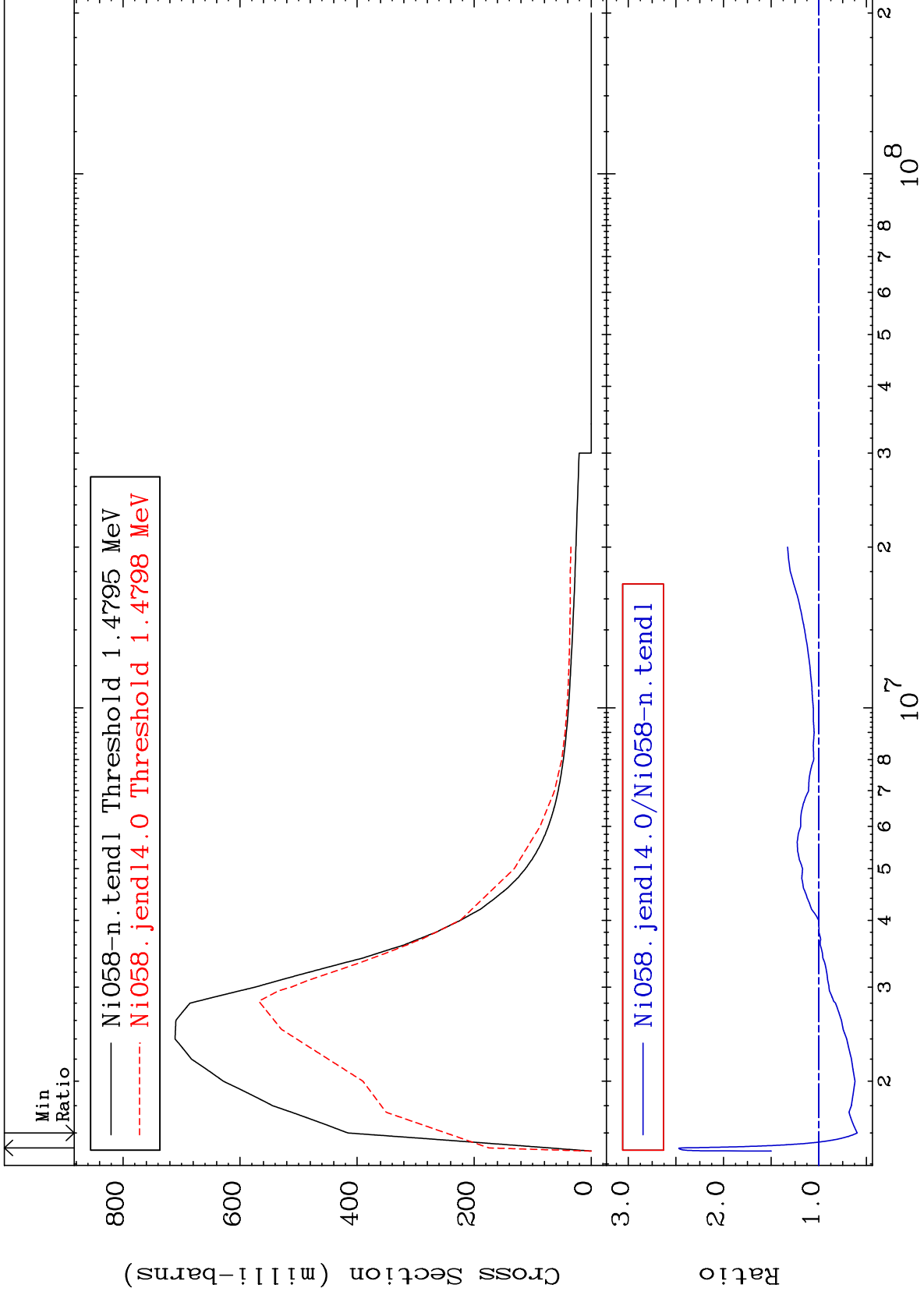
28-Ni-58
-57.78 To 8.955 %



MAT 2825

1.454 MeV (n,n') Level
Cross Section

28-Ni-58
-40.29 To 147.2 %



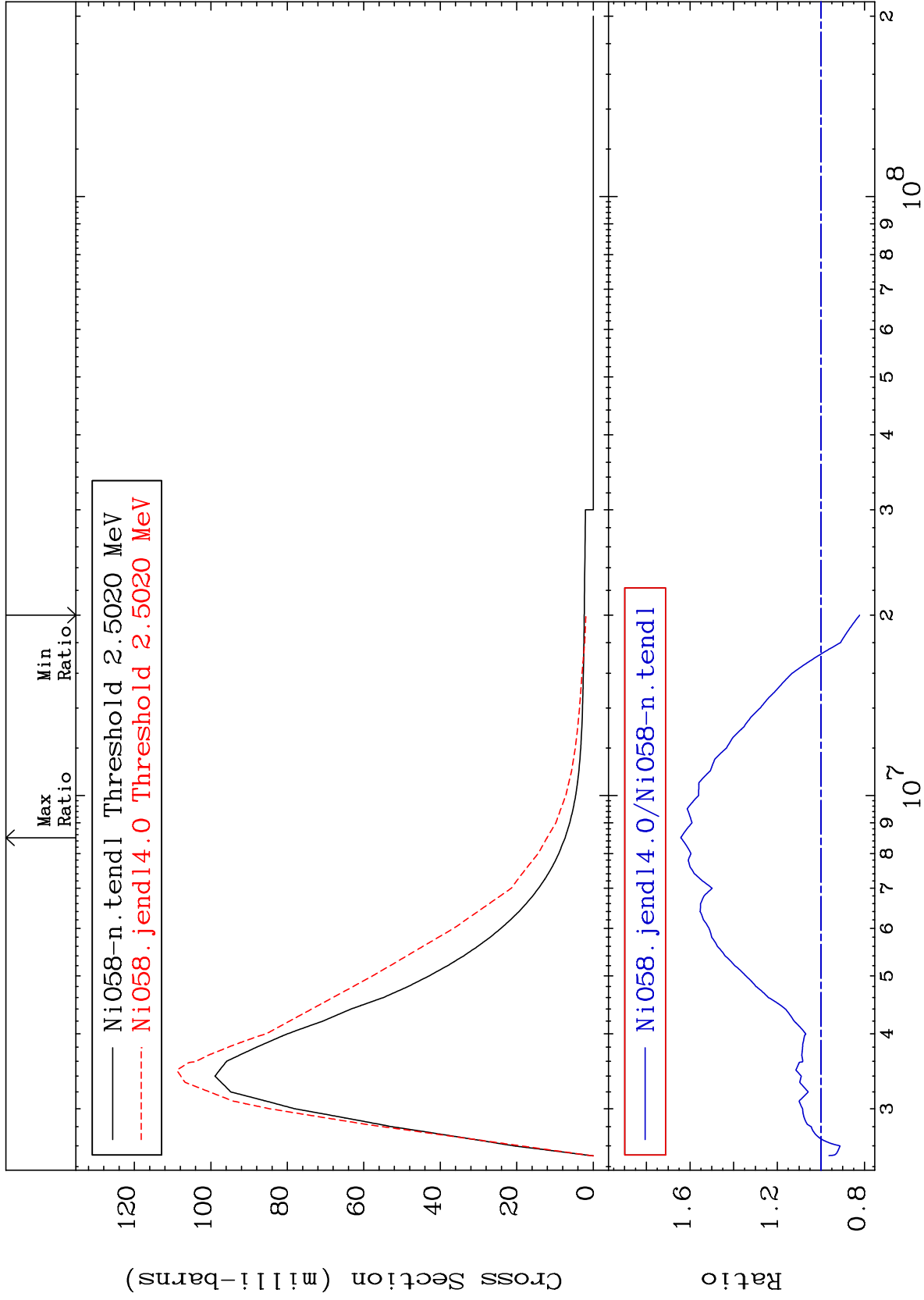
MAT 2825

2.459 MeV (n,n') Level

28-Ni-58

-17.68 To 64.24 %

Cross Section



8

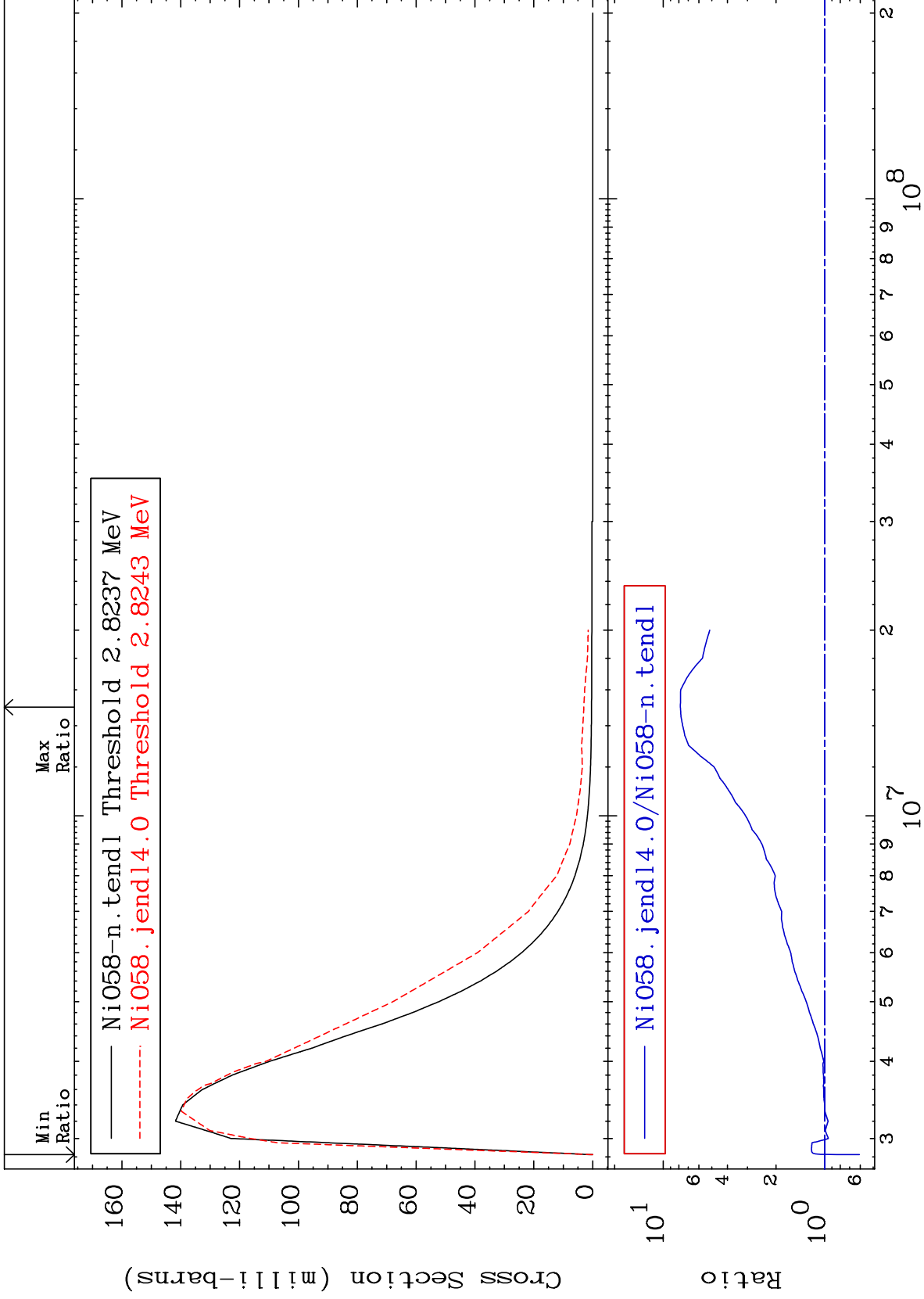
Incident Energy (eV)

28-Ni-58

MAT 2825

2.775 MeV (n,n') Level
Cross Section

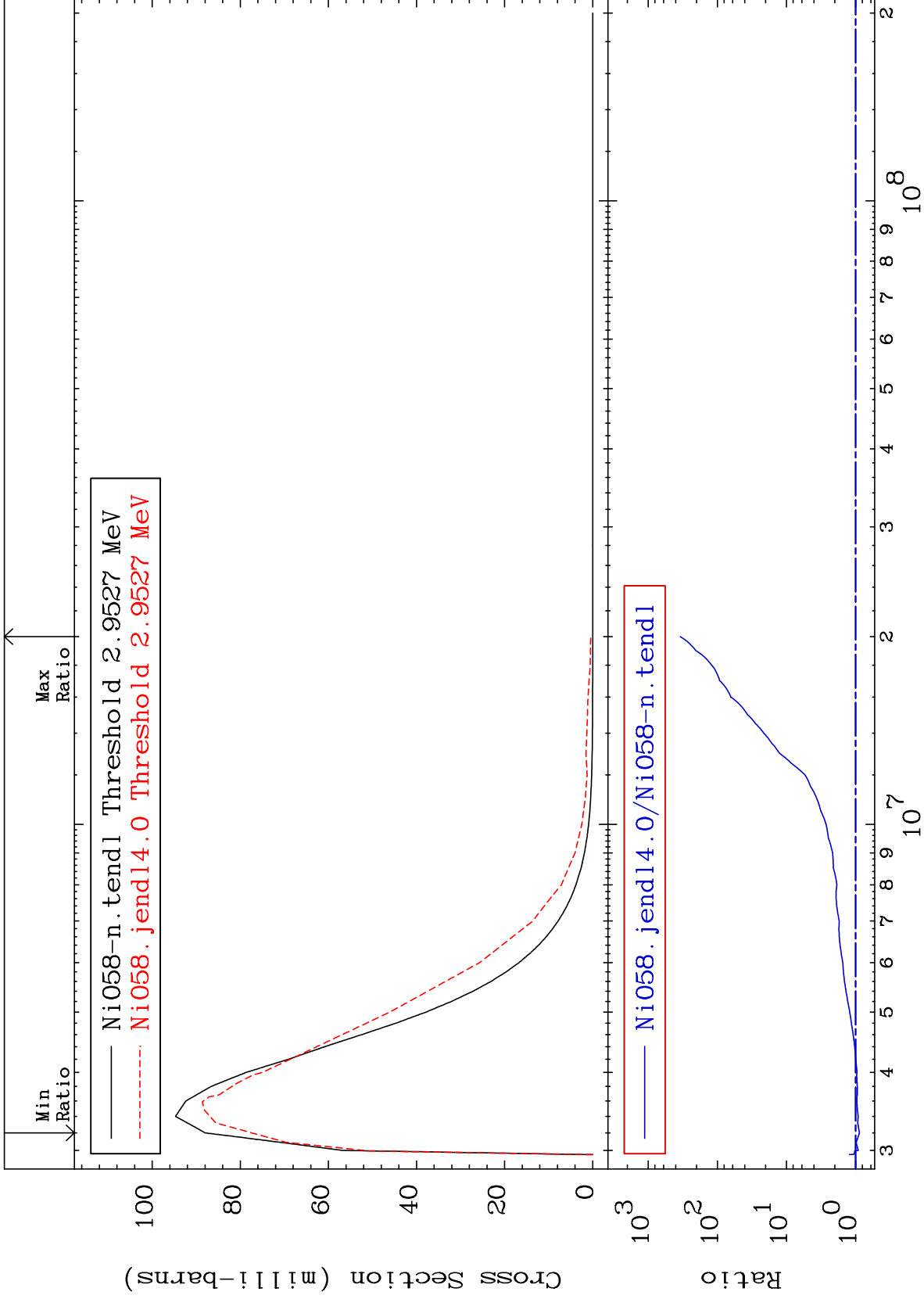
28-Ni-58
-39.22 To 682.2 %



MAT 2825

2.902 MeV (n,n') Level
Cross Section

28-Ni-58
-12.06 To 9999. %



10

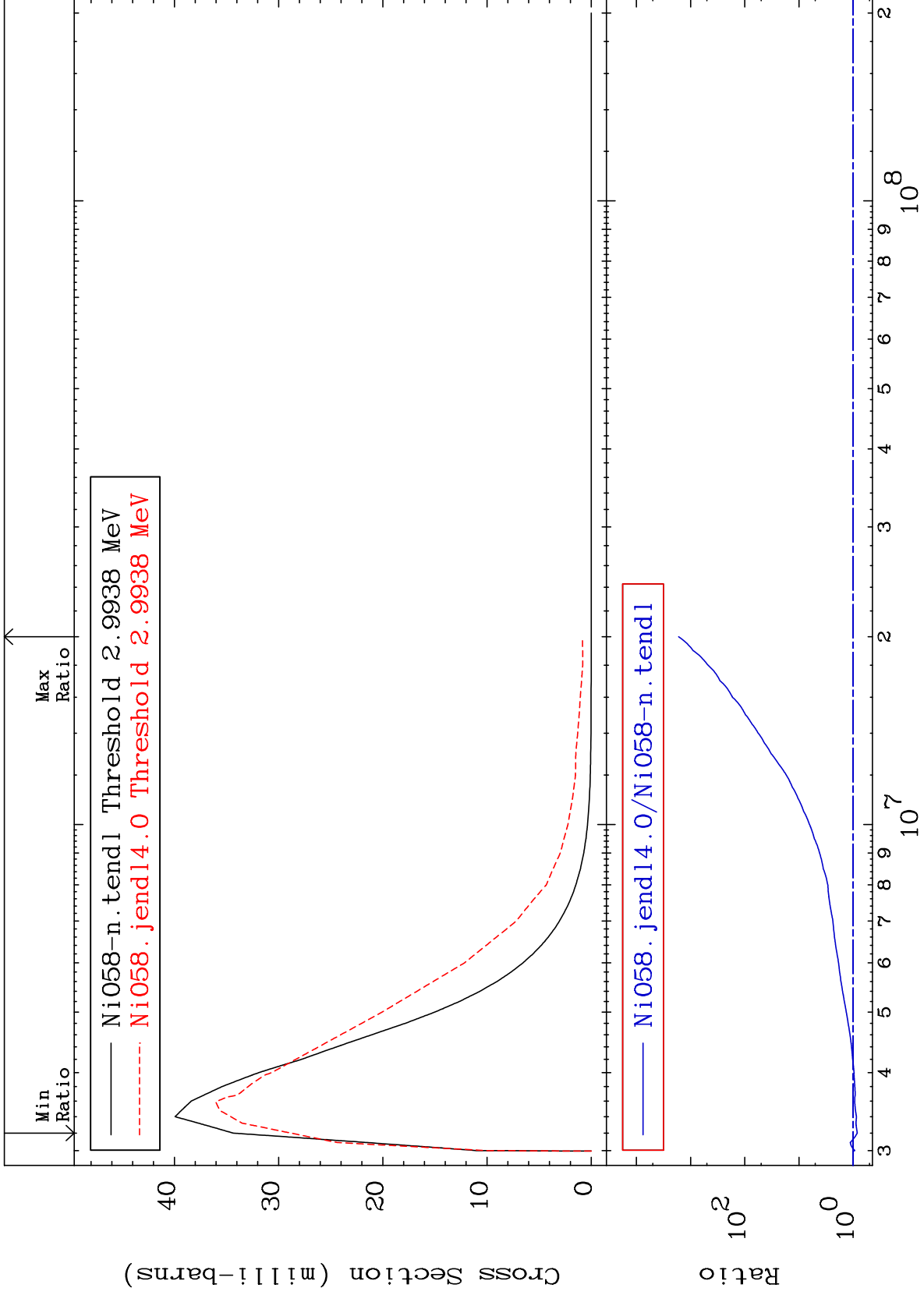
Incident Energy (eV)

28-Ni-58

MAT 2825

2.943 MeV (n,n') Level
Cross Section

28-Ni-58
-16.14 To 9999. %



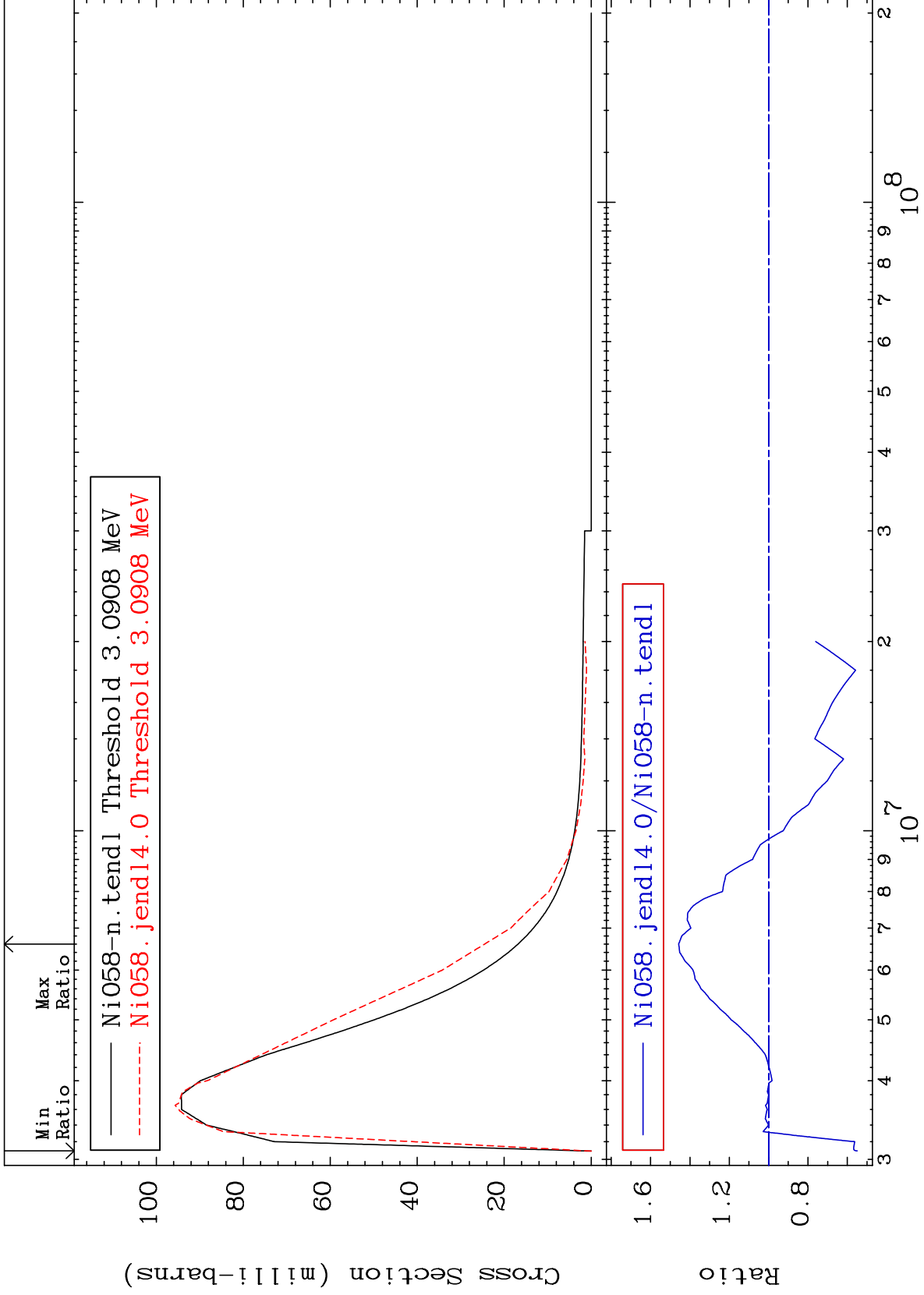
11

28-Ni-58

MAT 2825

3.038 MeV (n,n') Level
Cross Section

28-Ni-58
-45.05 To 45.74 %



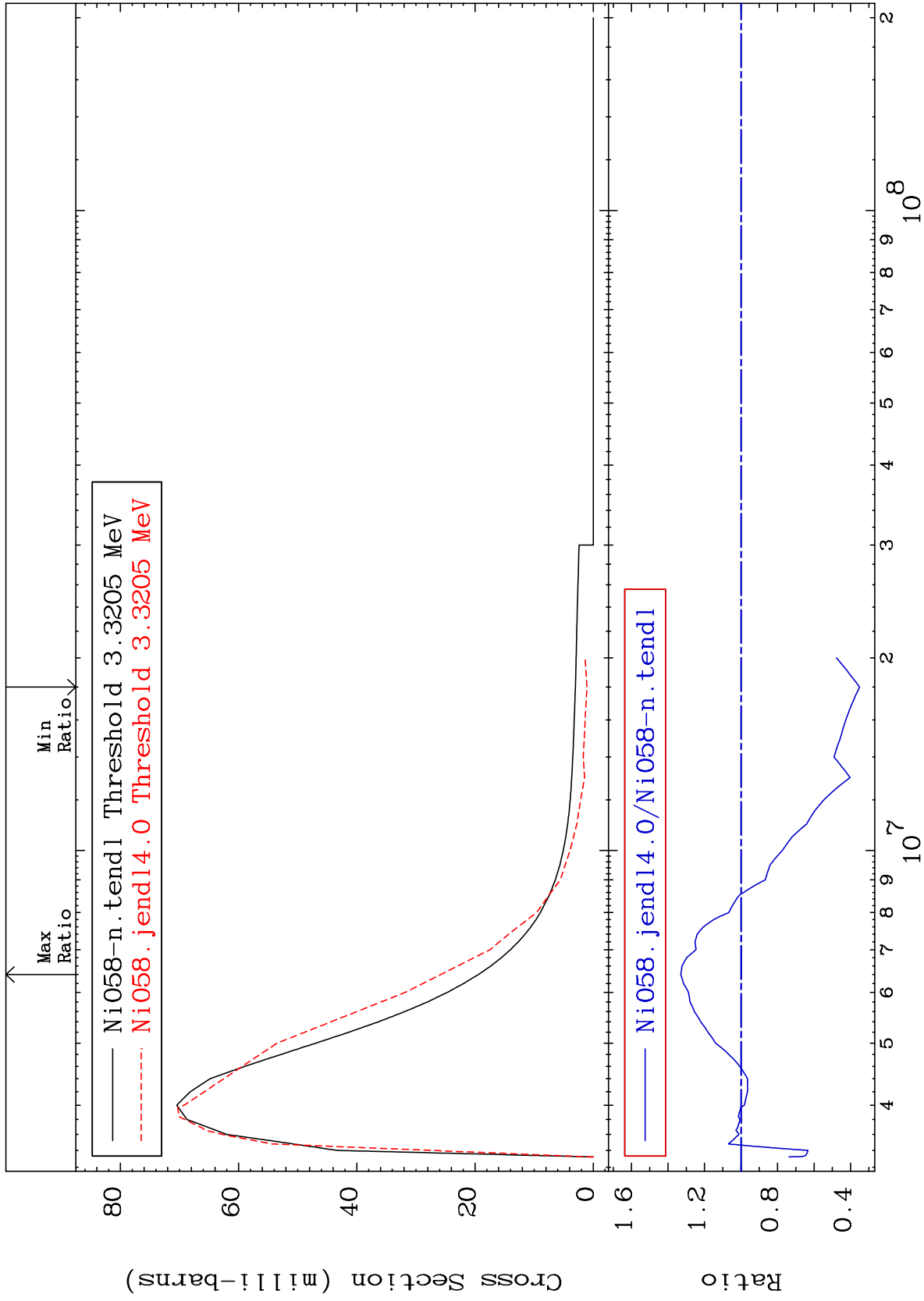
MAT 2825

3.264 MeV (n,n') Level

28-Ni-58

-64.91 To 33.01 %

Cross Section



13

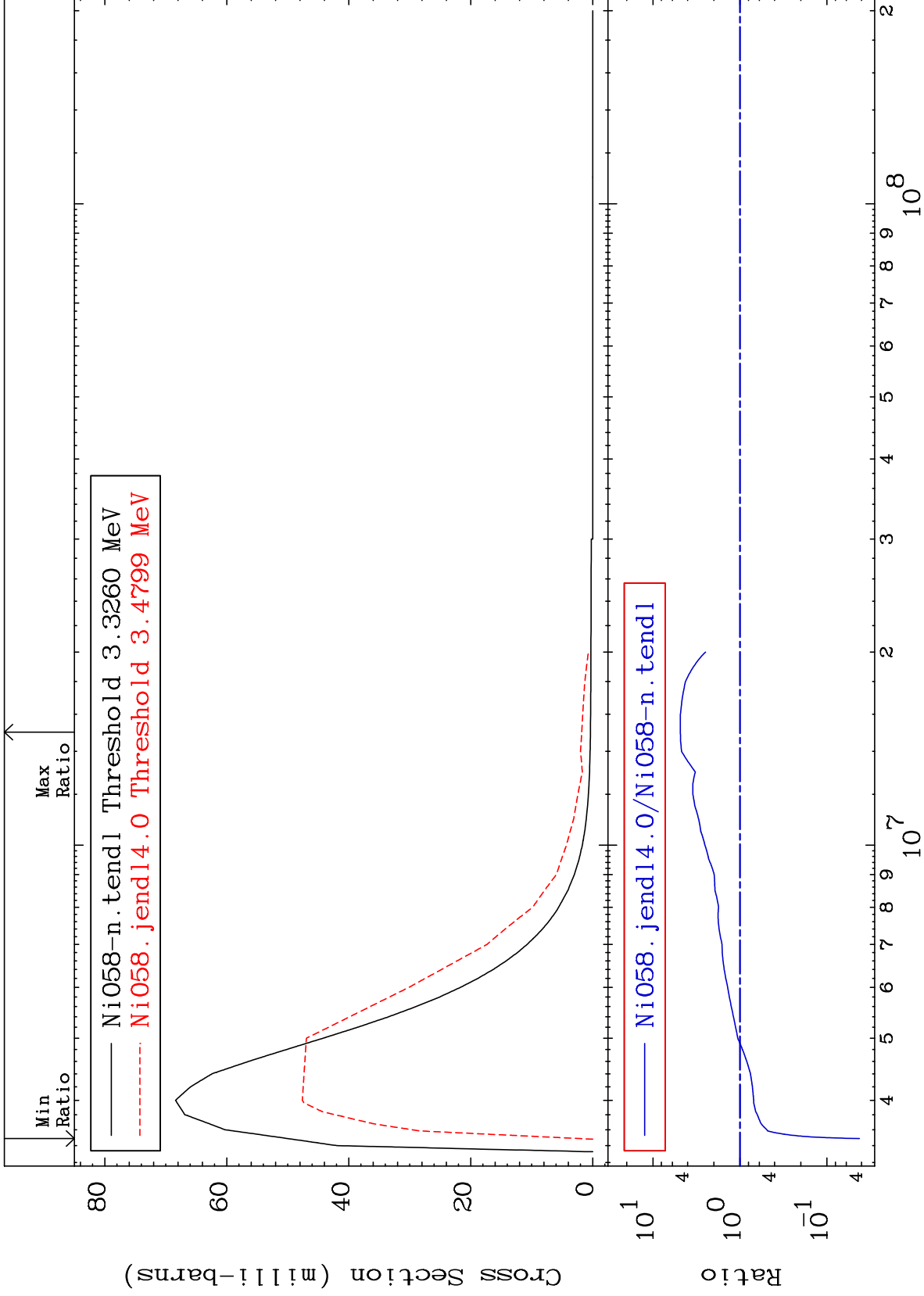
Incident Energy (eV)

28-Ni-58

MAT 2825

3.269 MeV (n,n') Level
Cross Section

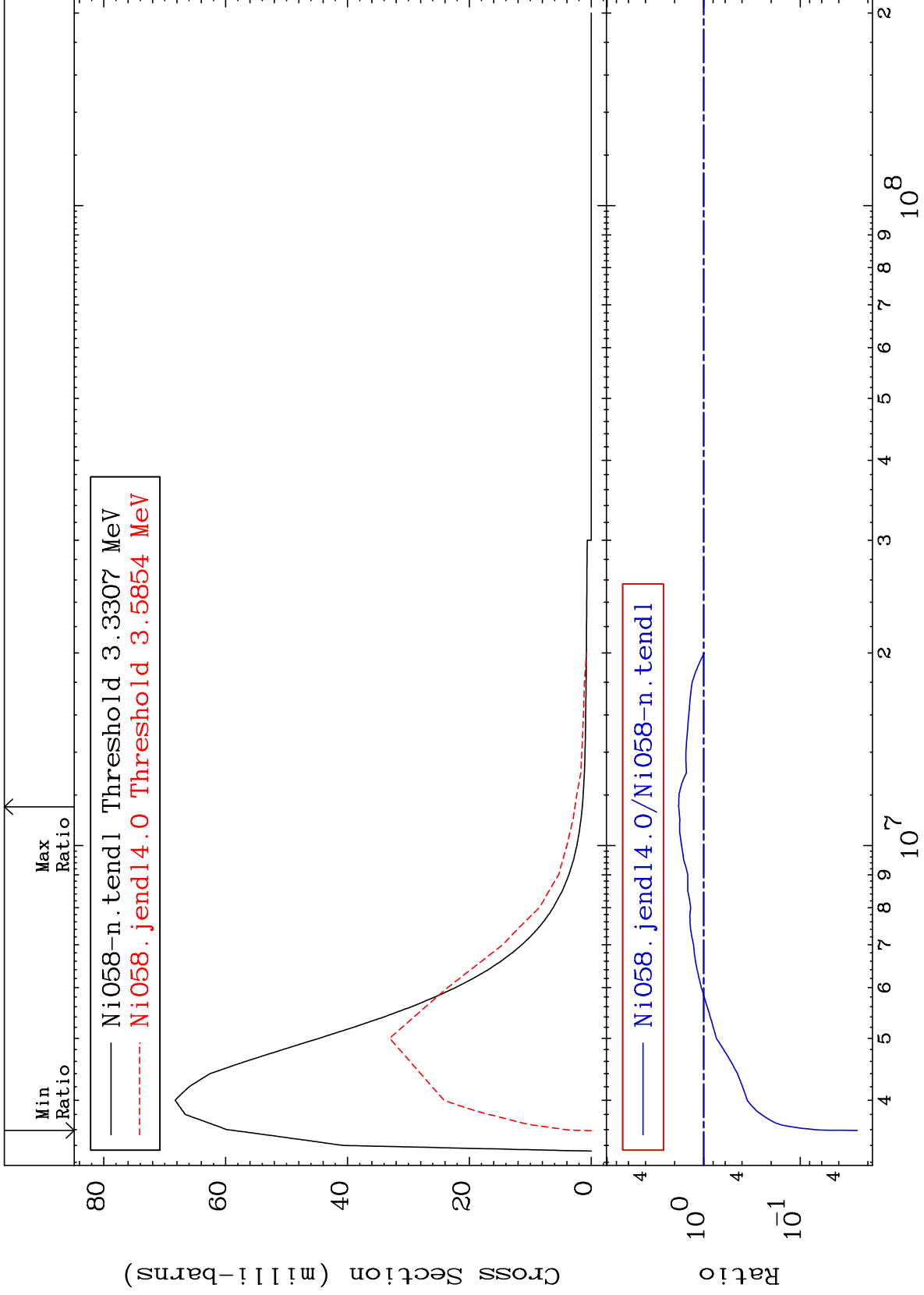
28-Ni-58
-95.76 To 384.7 %



MAT 2825

3.274 MeV (n,n') Level
Cross Section

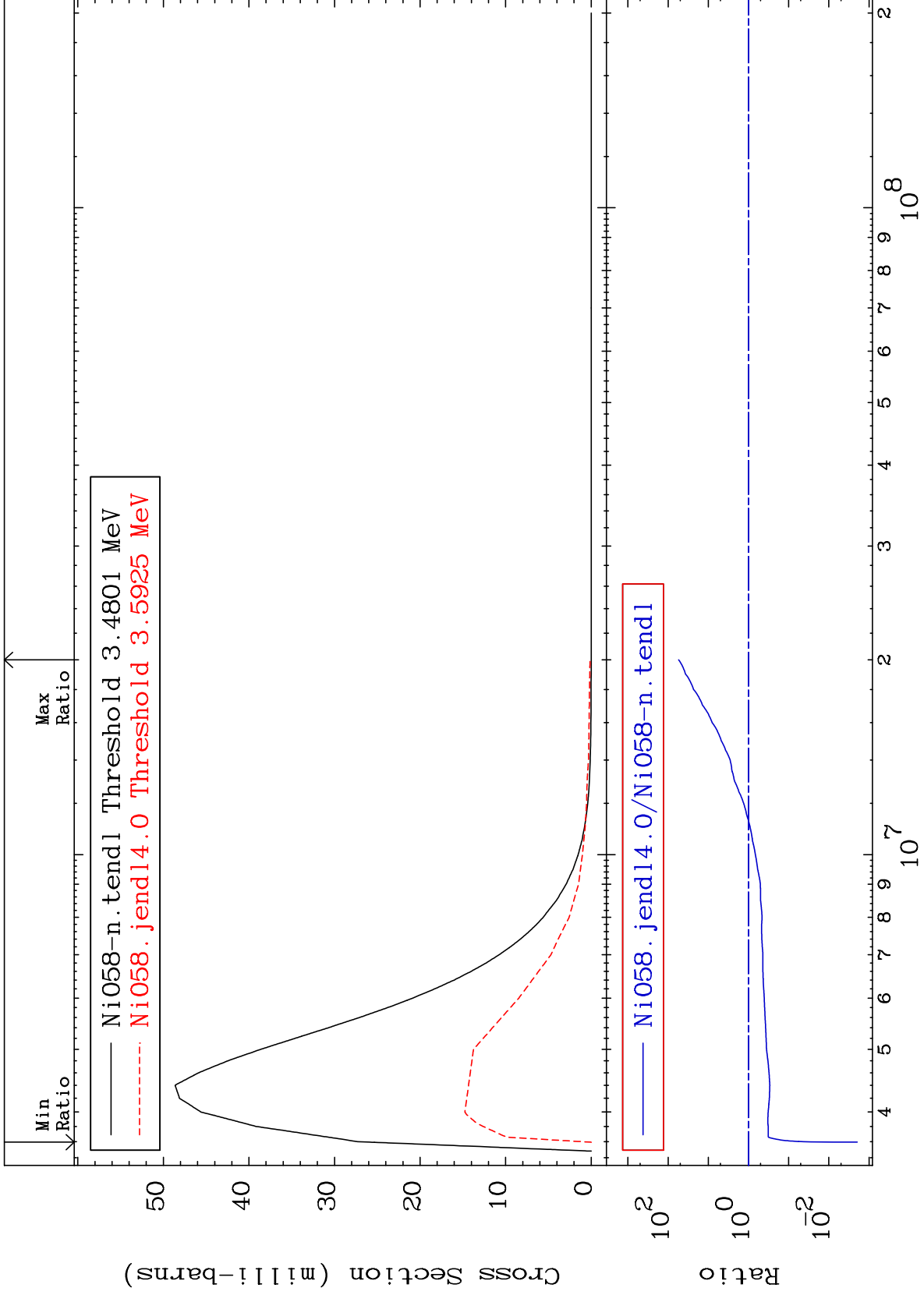
28-Ni-58
-97.43 To 81.51 %



MAT 2825

3.421 MeV (n,n') Level
Cross Section

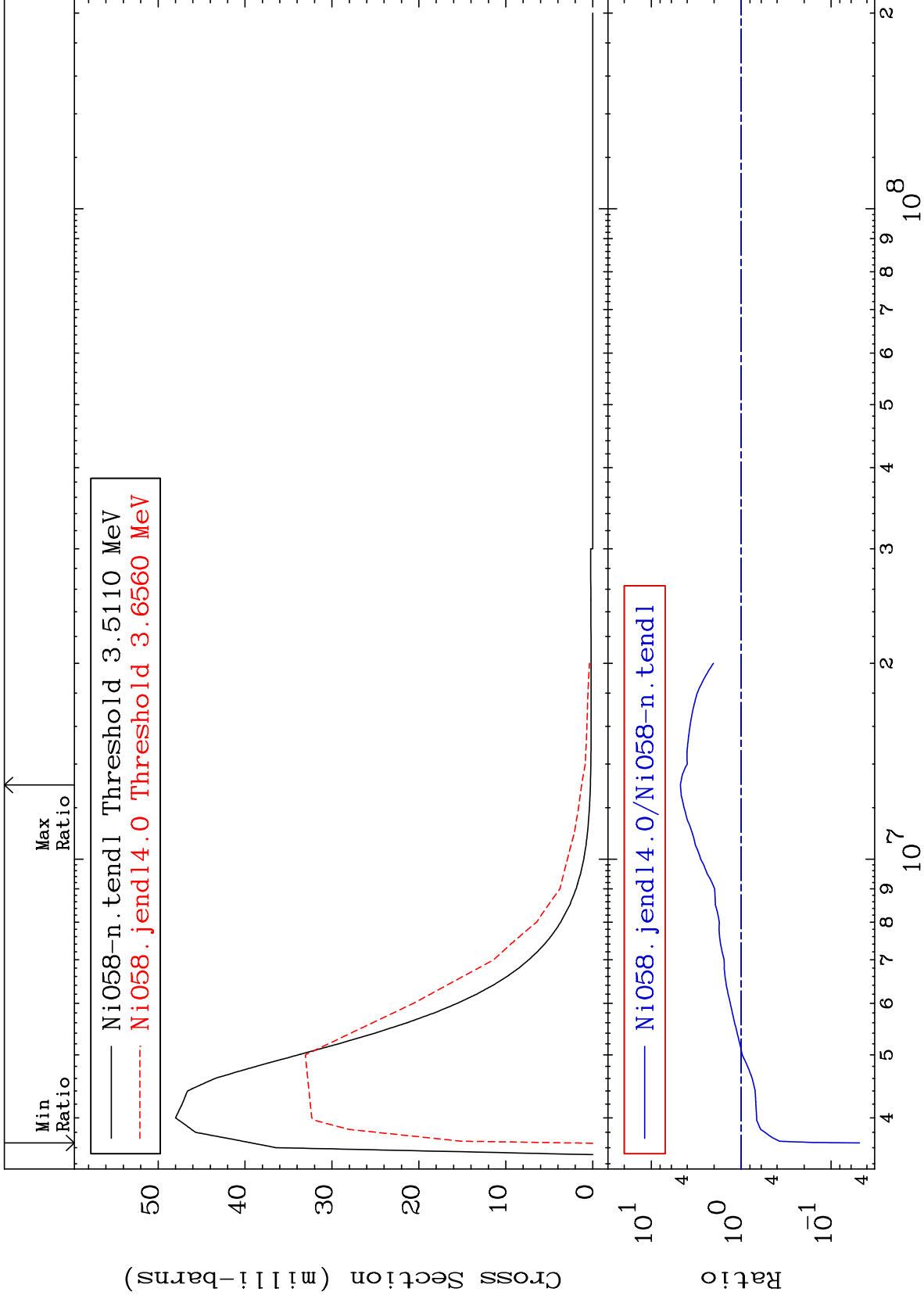
28-Ni-58
-99.80 To 5372. %



MAT 2825

3.451 MeV (n,n') Level
Cross Section

28-Ni-58
-95.16 To 375.4 %



17

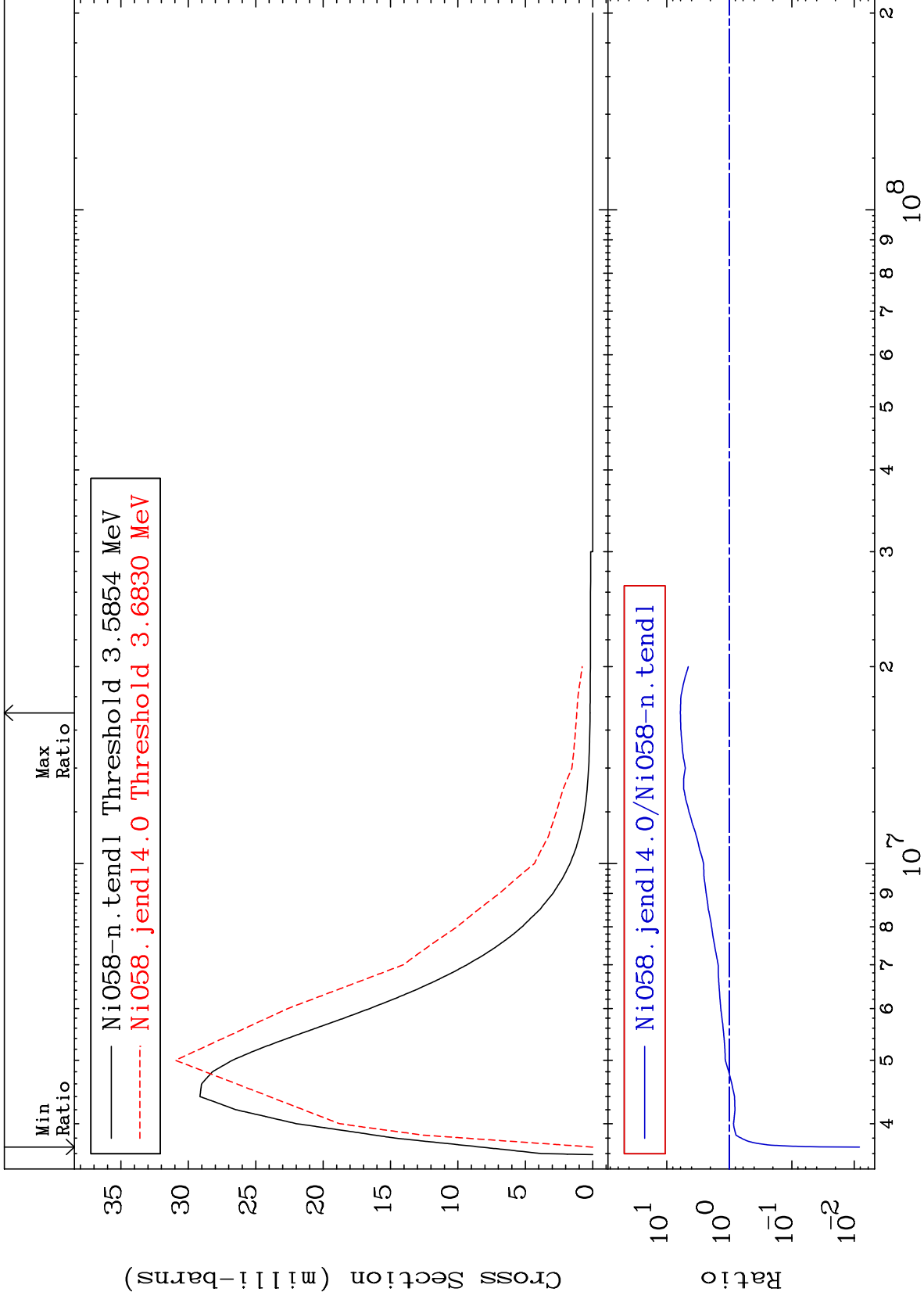
Incident Energy (eV)

28-Ni-58

MAT 2825

3.524 MeV (n,n') Level
Cross Section

28-Ni-58
-99.17 To 505.7 %



18

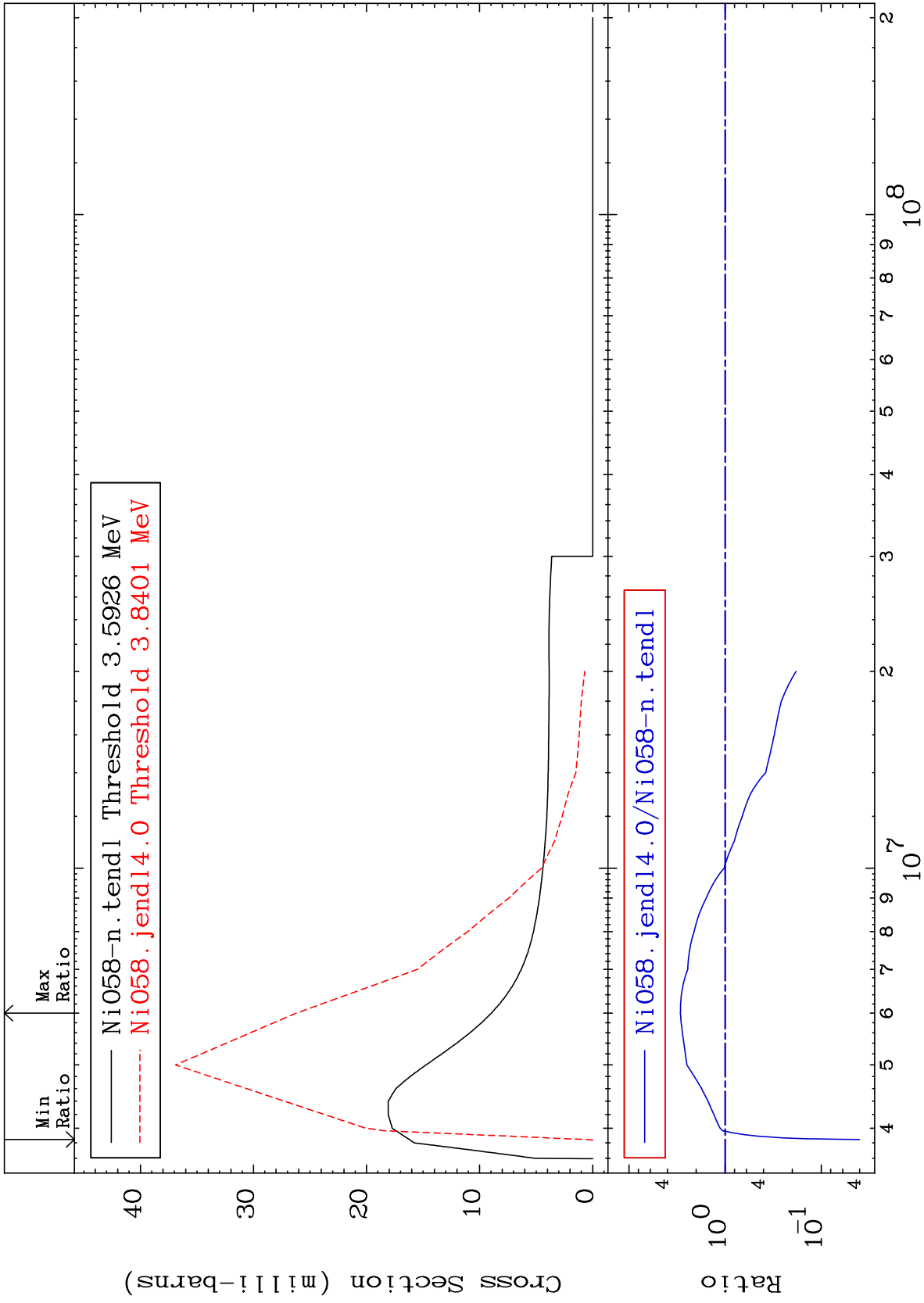
Incident Energy (eV)

28-Ni-58

MAT 2825

3.531 MeV (n,n') Level
Cross Section

28-Ni-58
-95.99 To 192.5 %



19

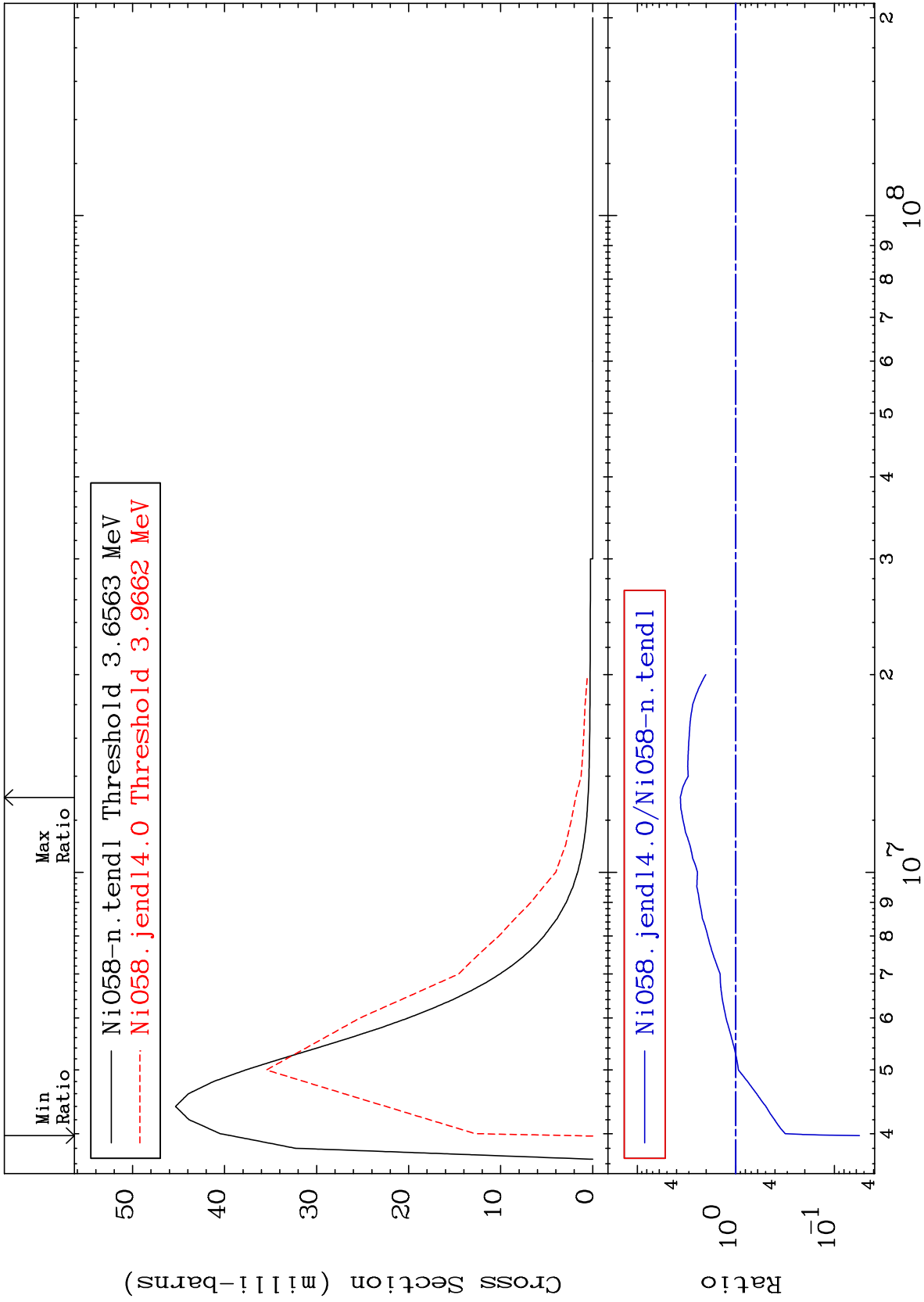
Incident Energy (eV)

28-Ni-58

MAT 2825

3.594 MeV (n,n') Level
Cross Section

28-Ni-58
-94.43 To 265.6 %



20

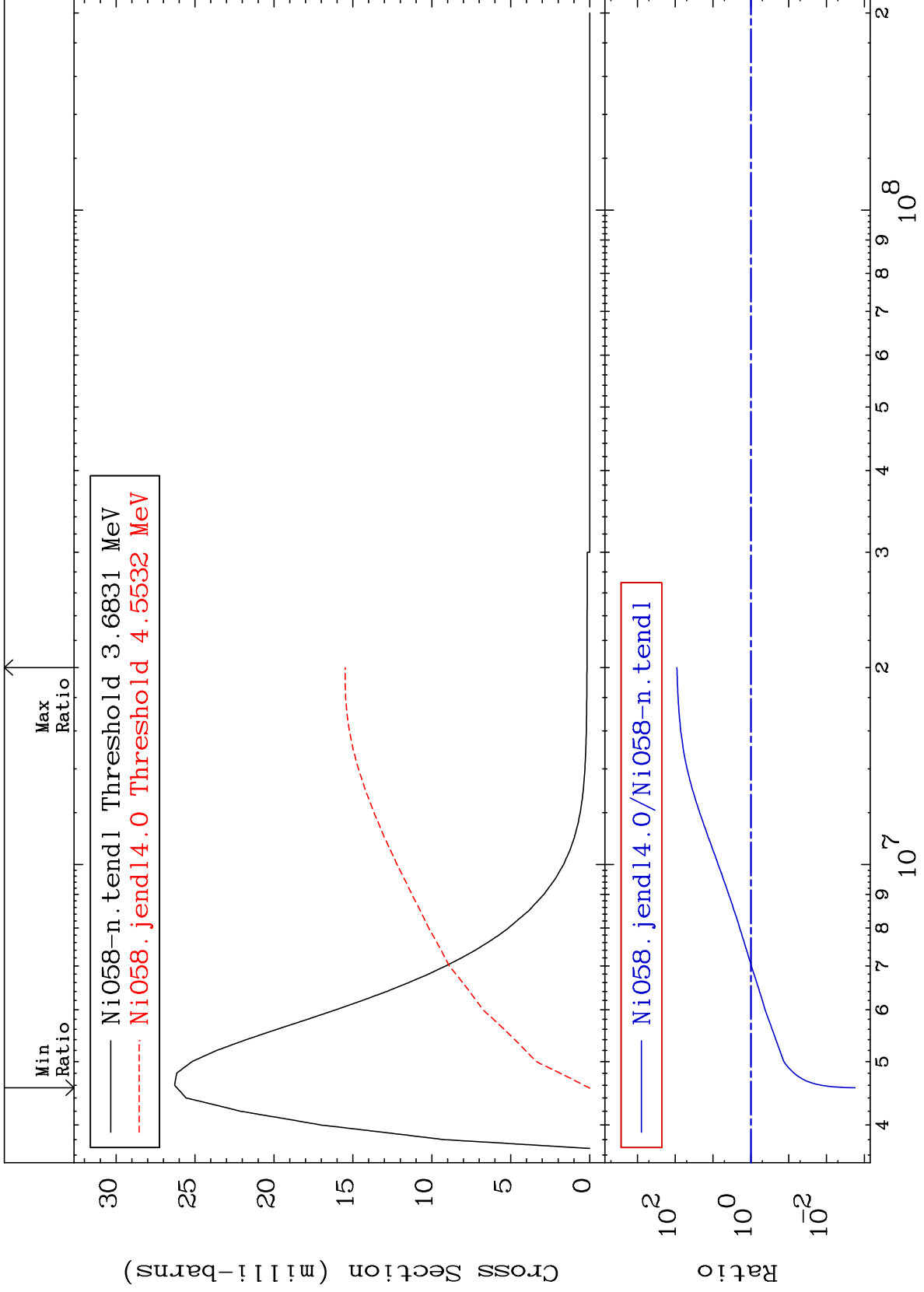
Incident Energy (eV)

28-Ni-58

MAT 2825

3.620 MeV (n,n') Level
Cross Section

28-Ni-58
-99.82 To 8931. %



21

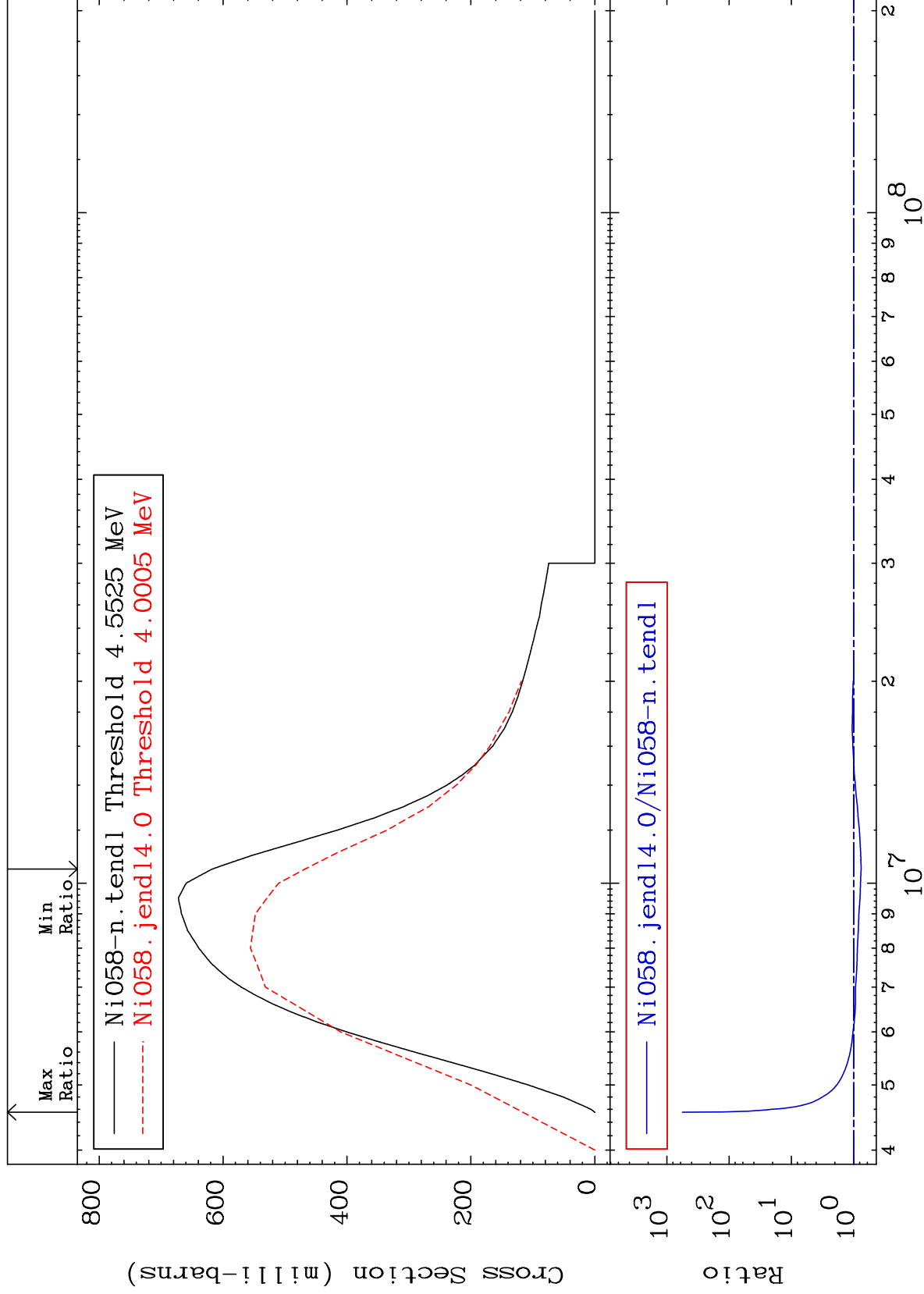
Incident Energy (eV)

28-Ni-58

MAT 2825

(n, n') Continuum
Cross Section

28-Ni-58
-24.30 To 9999. %



22

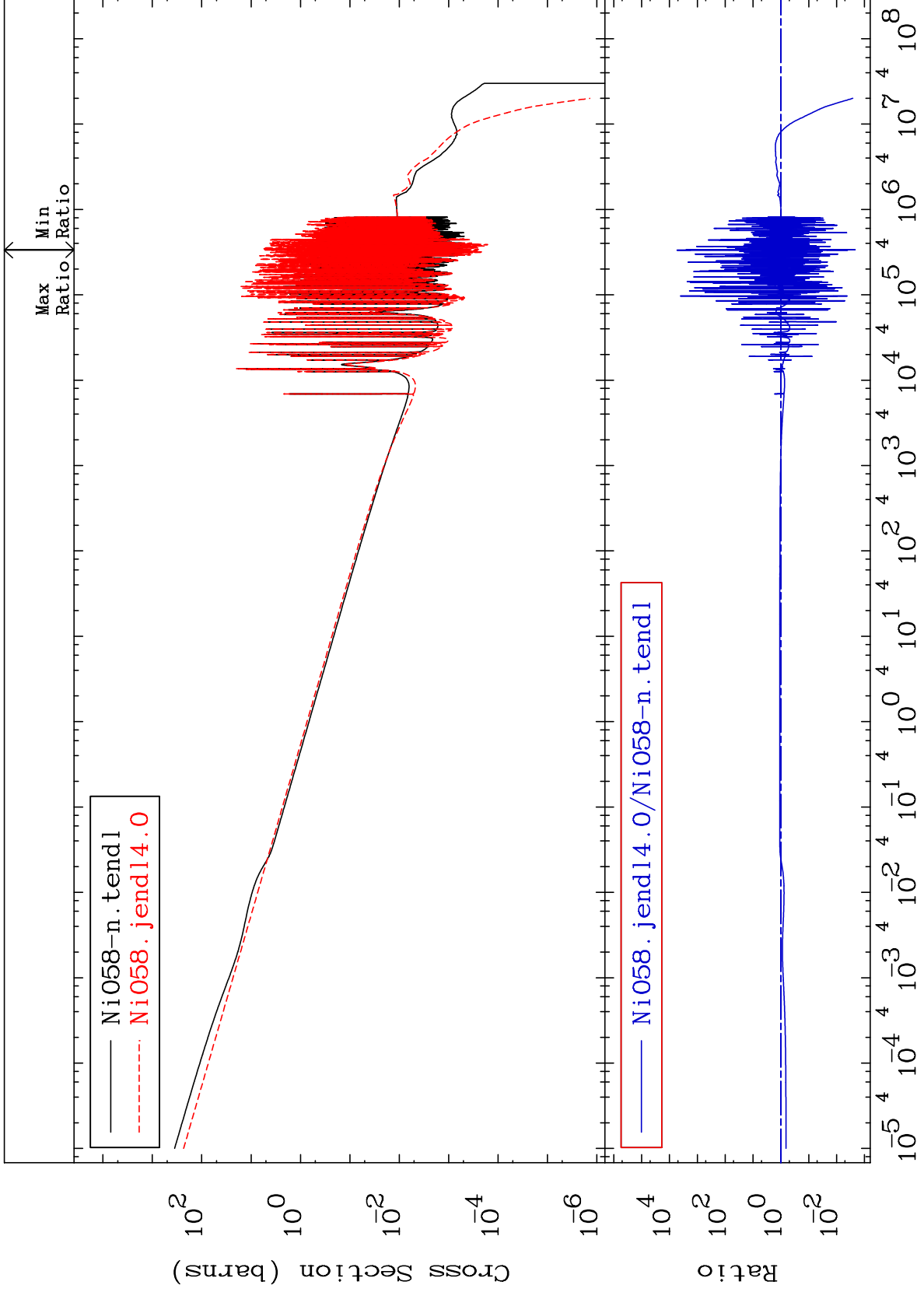
Incident Energy (eV)

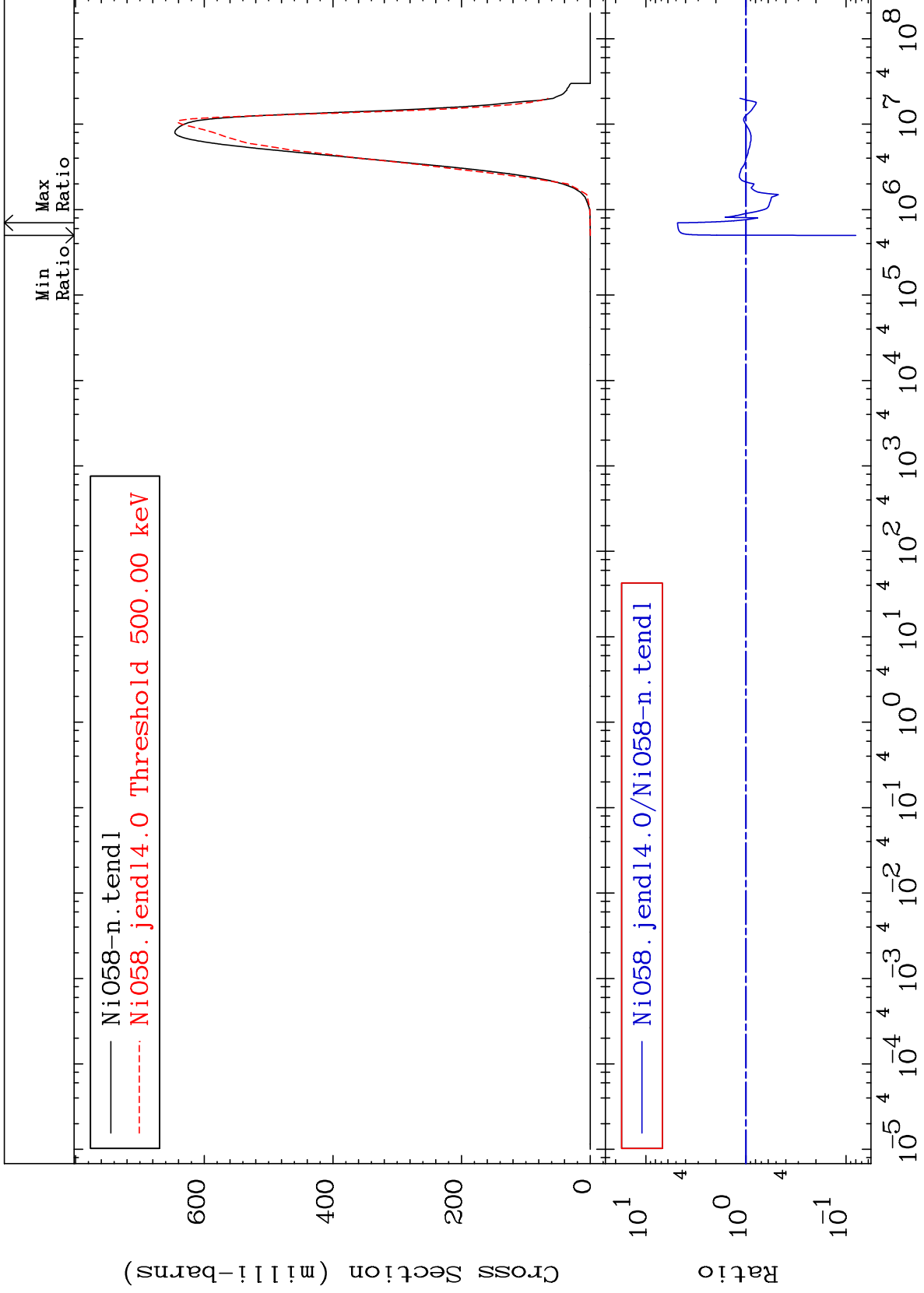
28-Ni-58

MAT 2825

(n, γ)
Cross Section

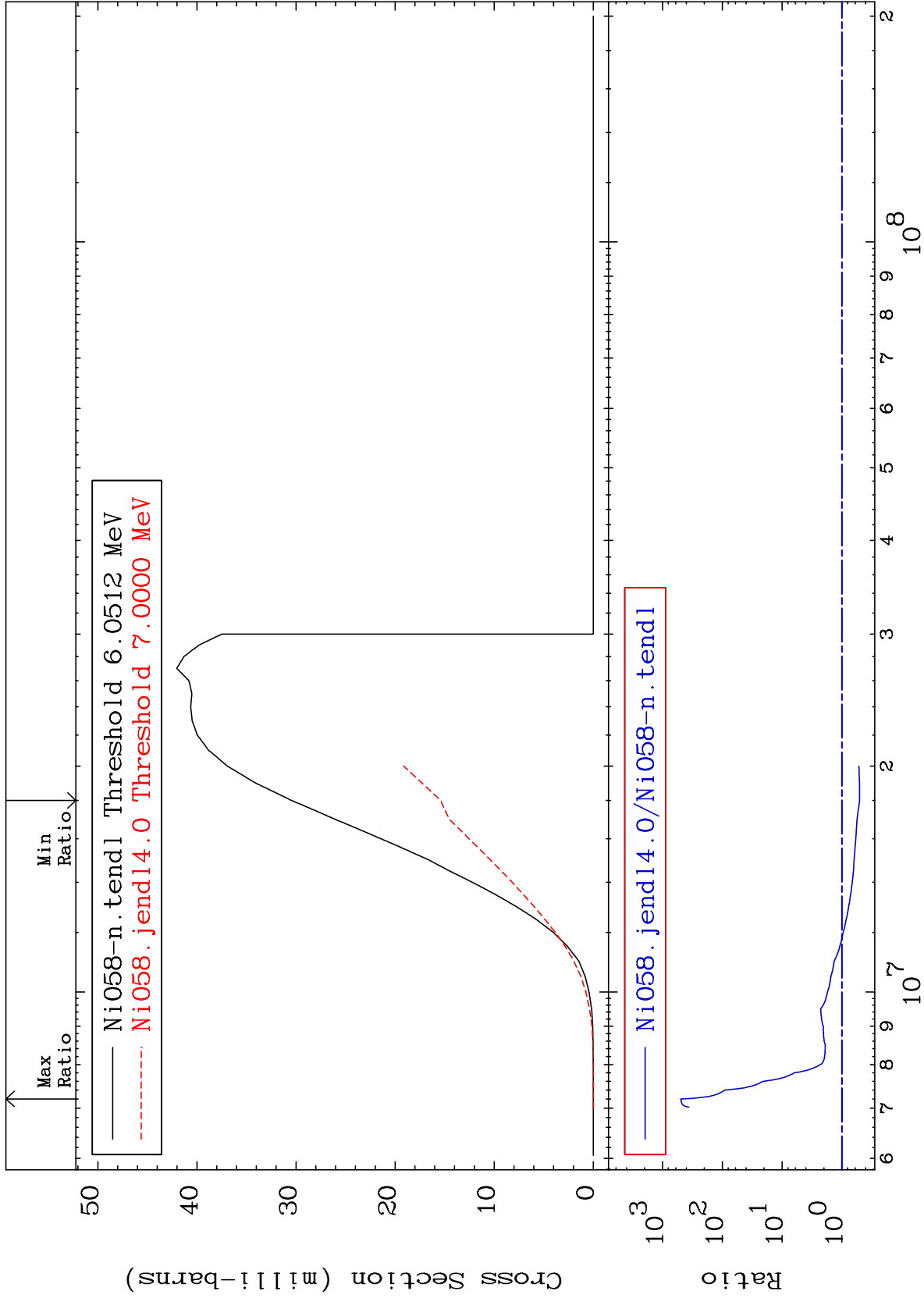
28-Ni-58
-99.78 To 9999. %

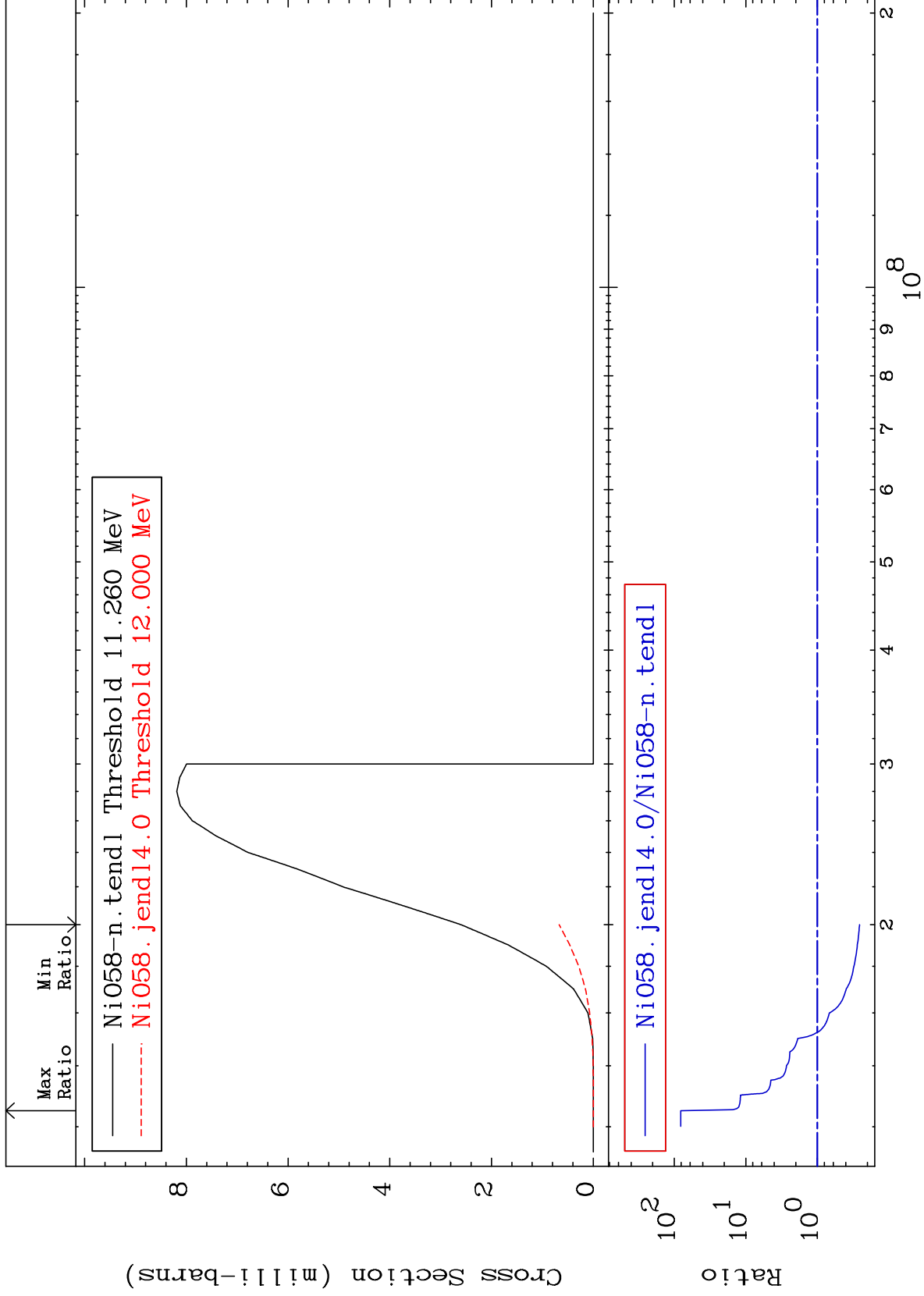




Cross Section

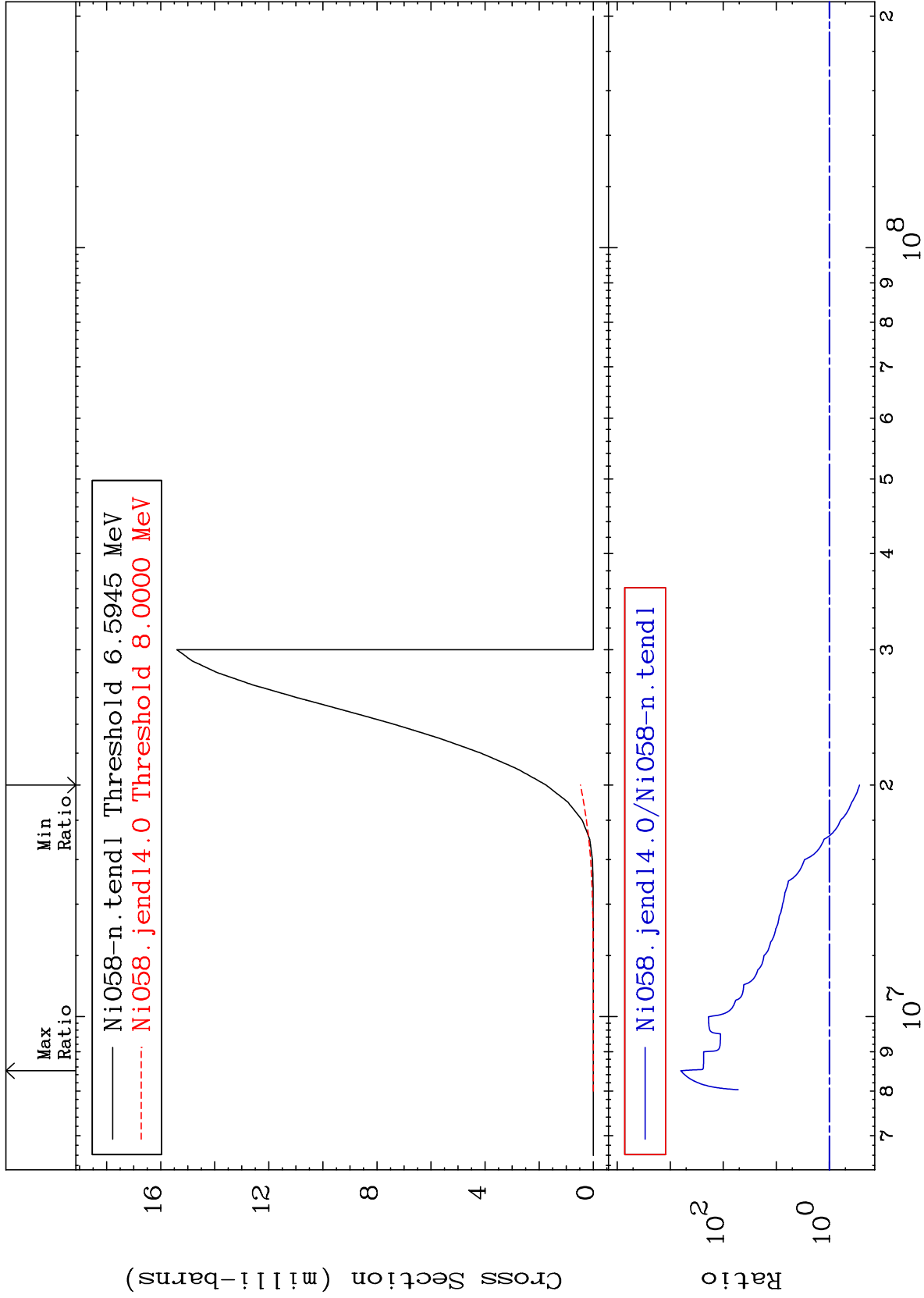
-49.40 To 9999. %





Cross Section

-72.96 To 9999. %



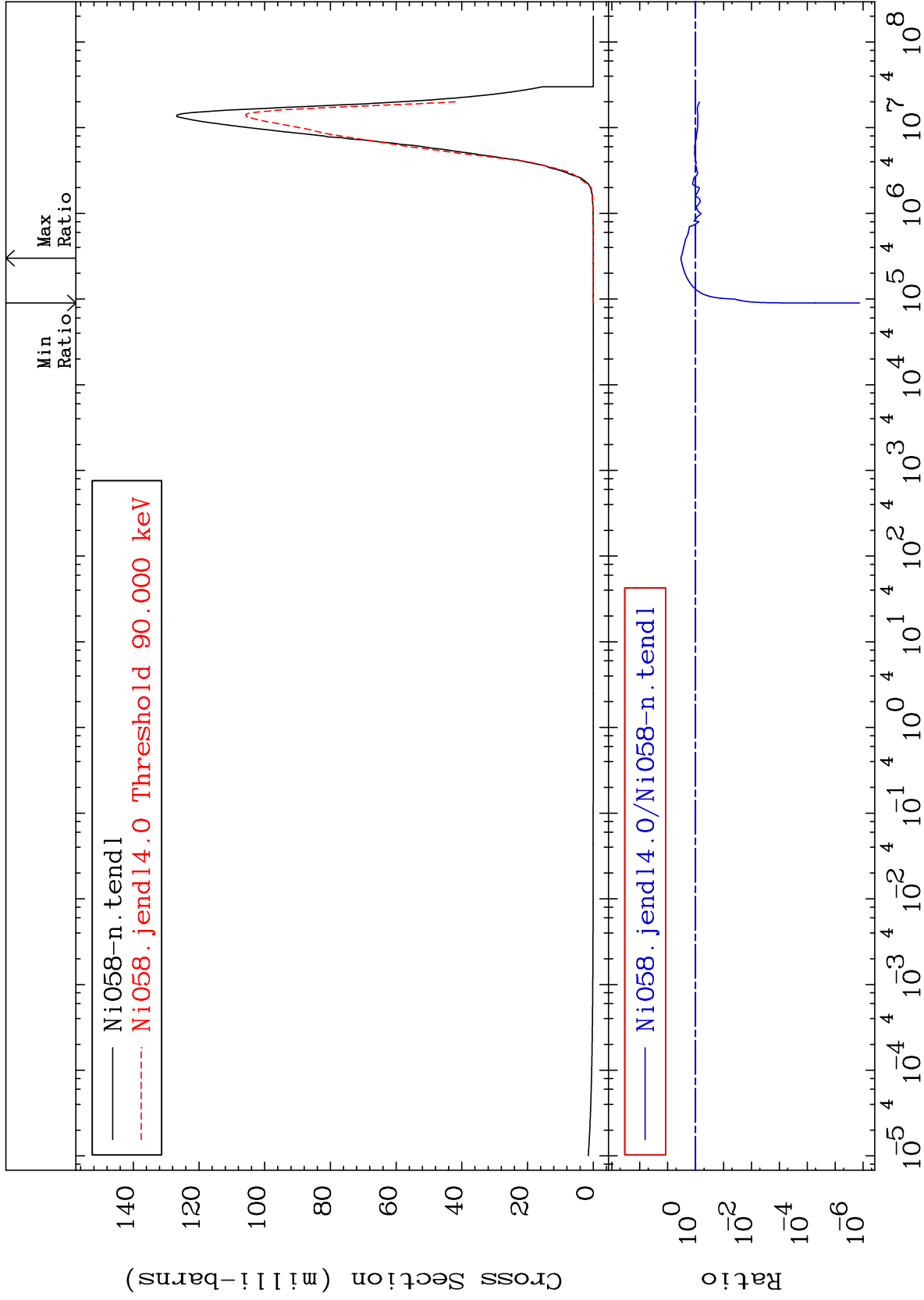
MAT 2825

(n, α)

28-Ni-58

Cross Section

-100.0 To 239.6 %



28

Incident Energy (eV)

28-Ni-58

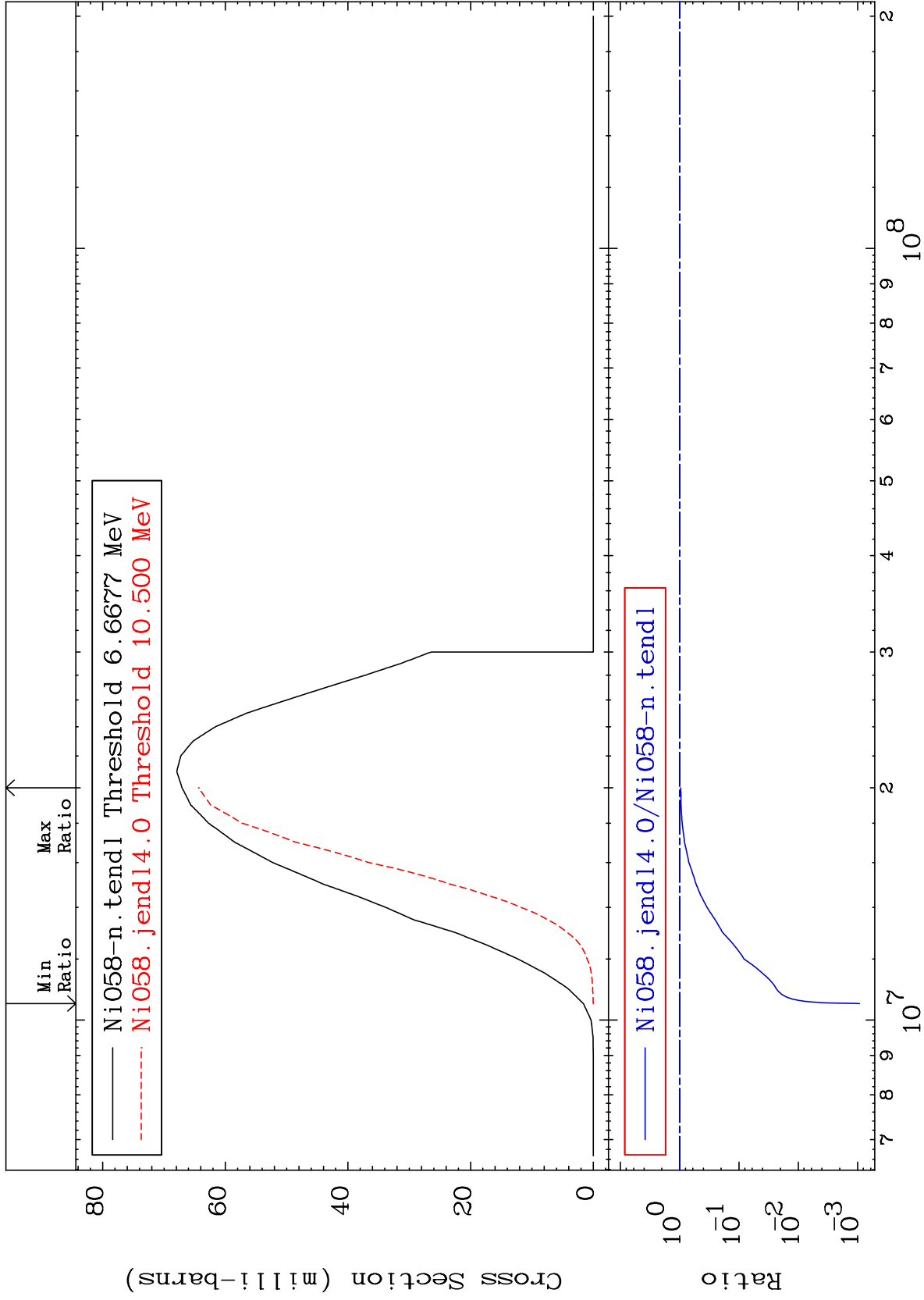
MAT 2825

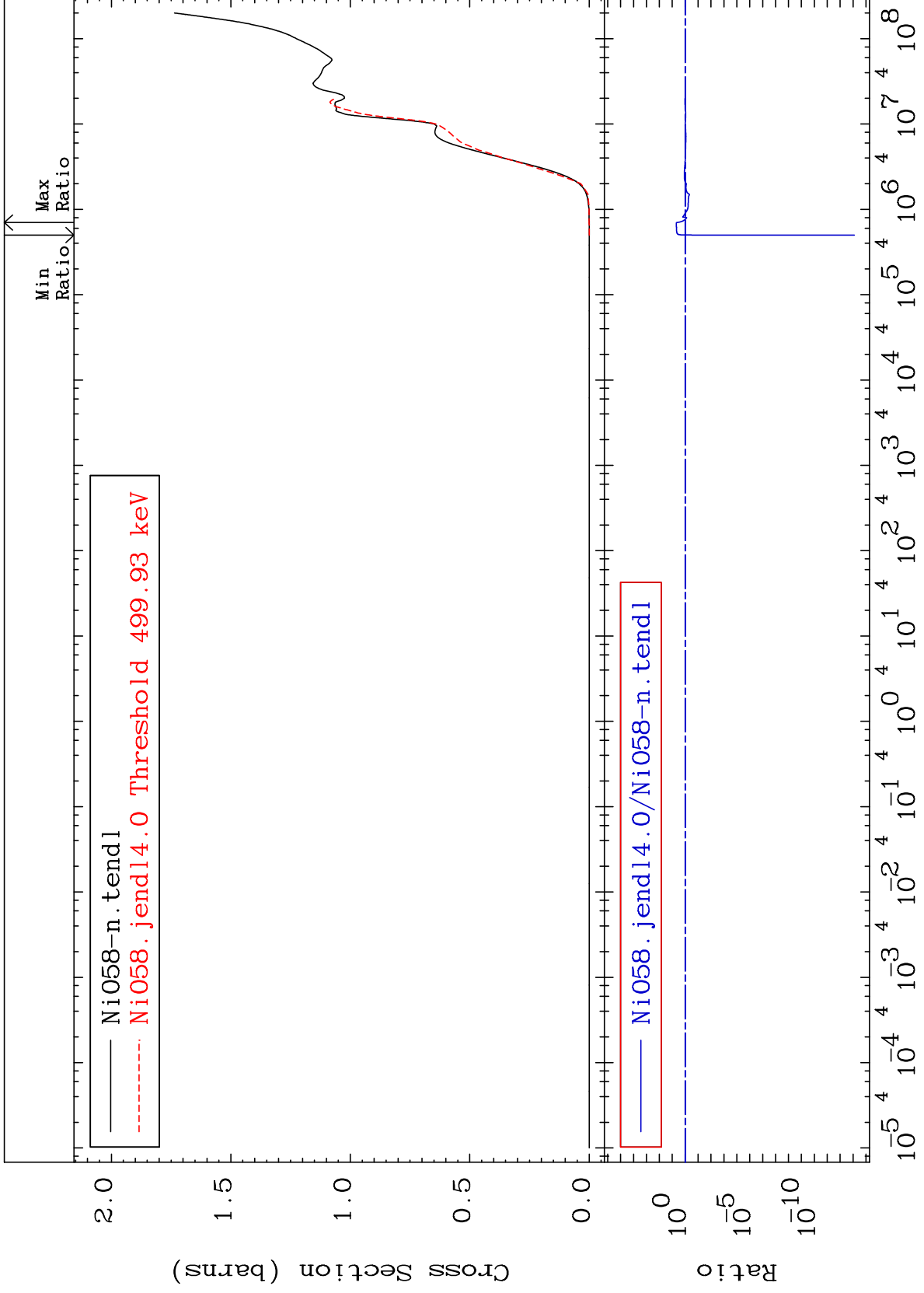
(n,2p)

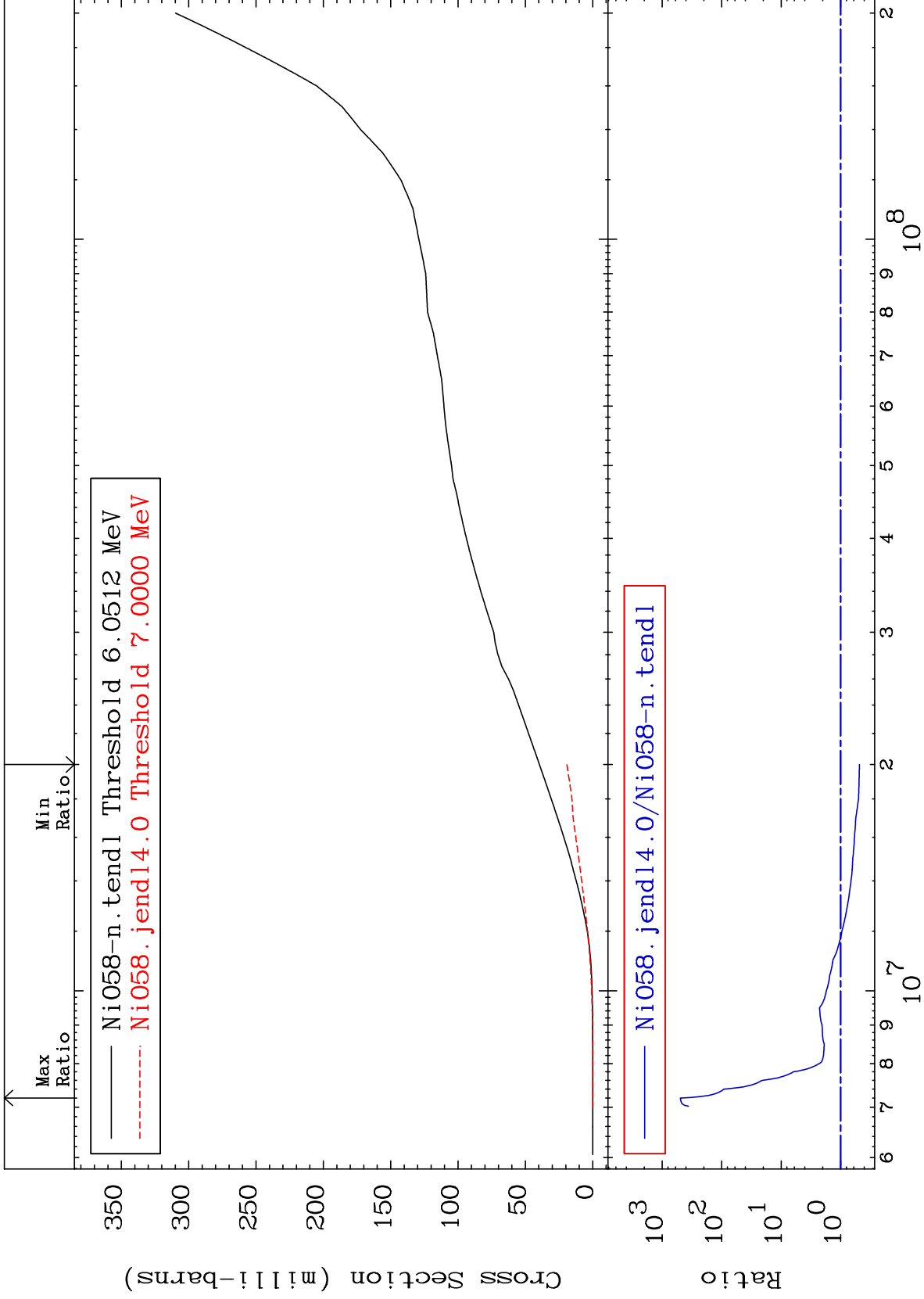
28-Ni-58

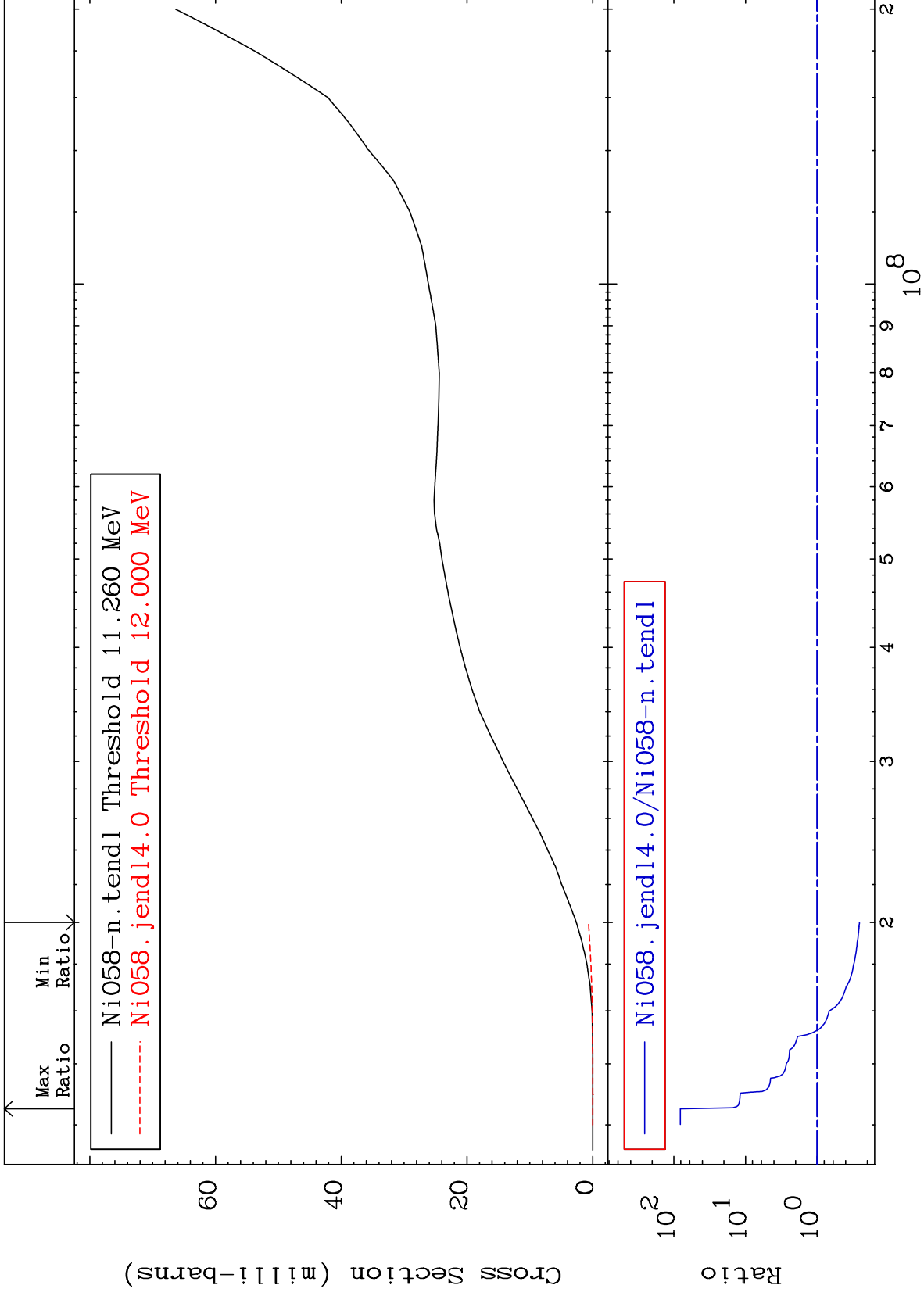
Cross Section

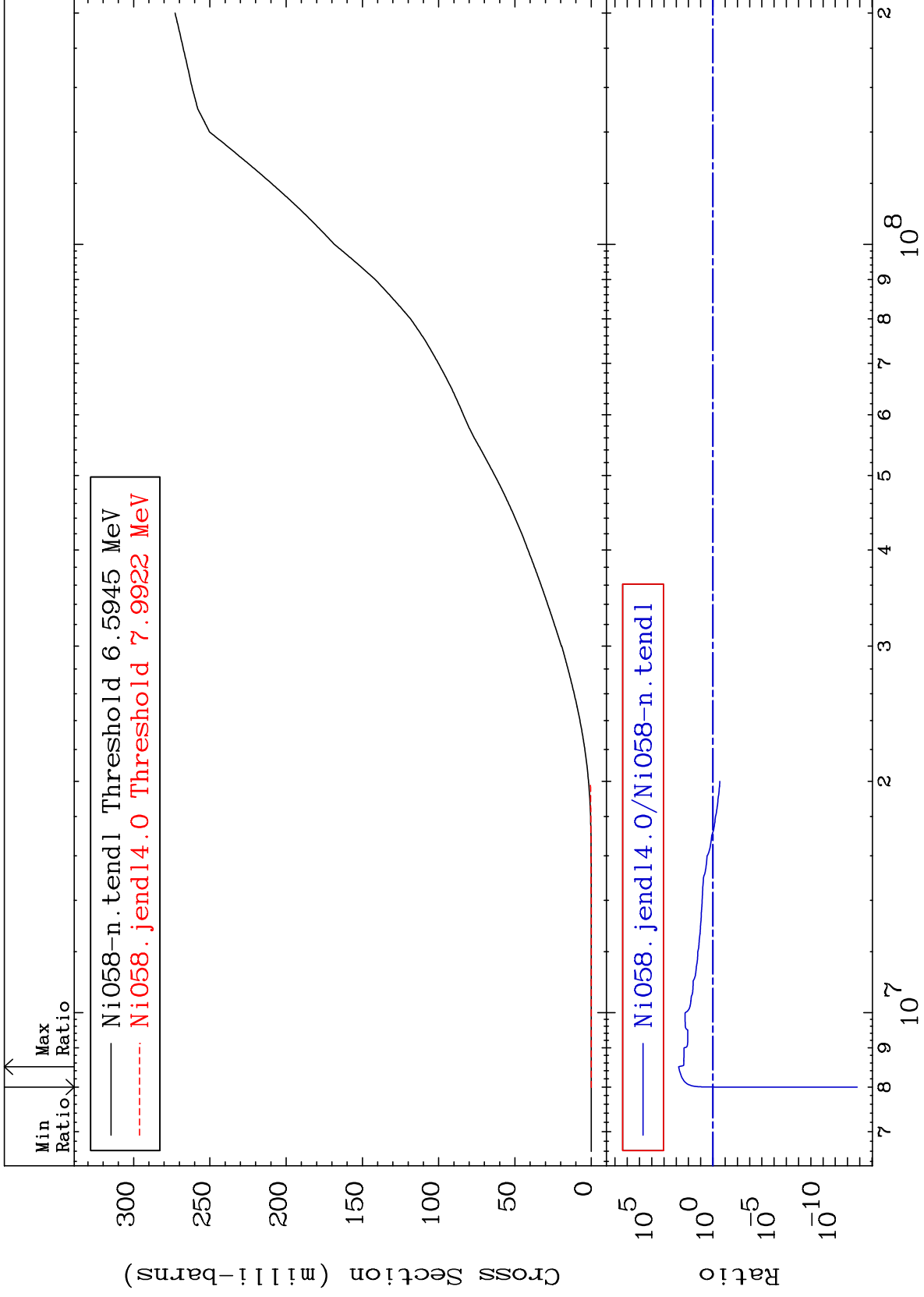
-99.91 To -3.970%

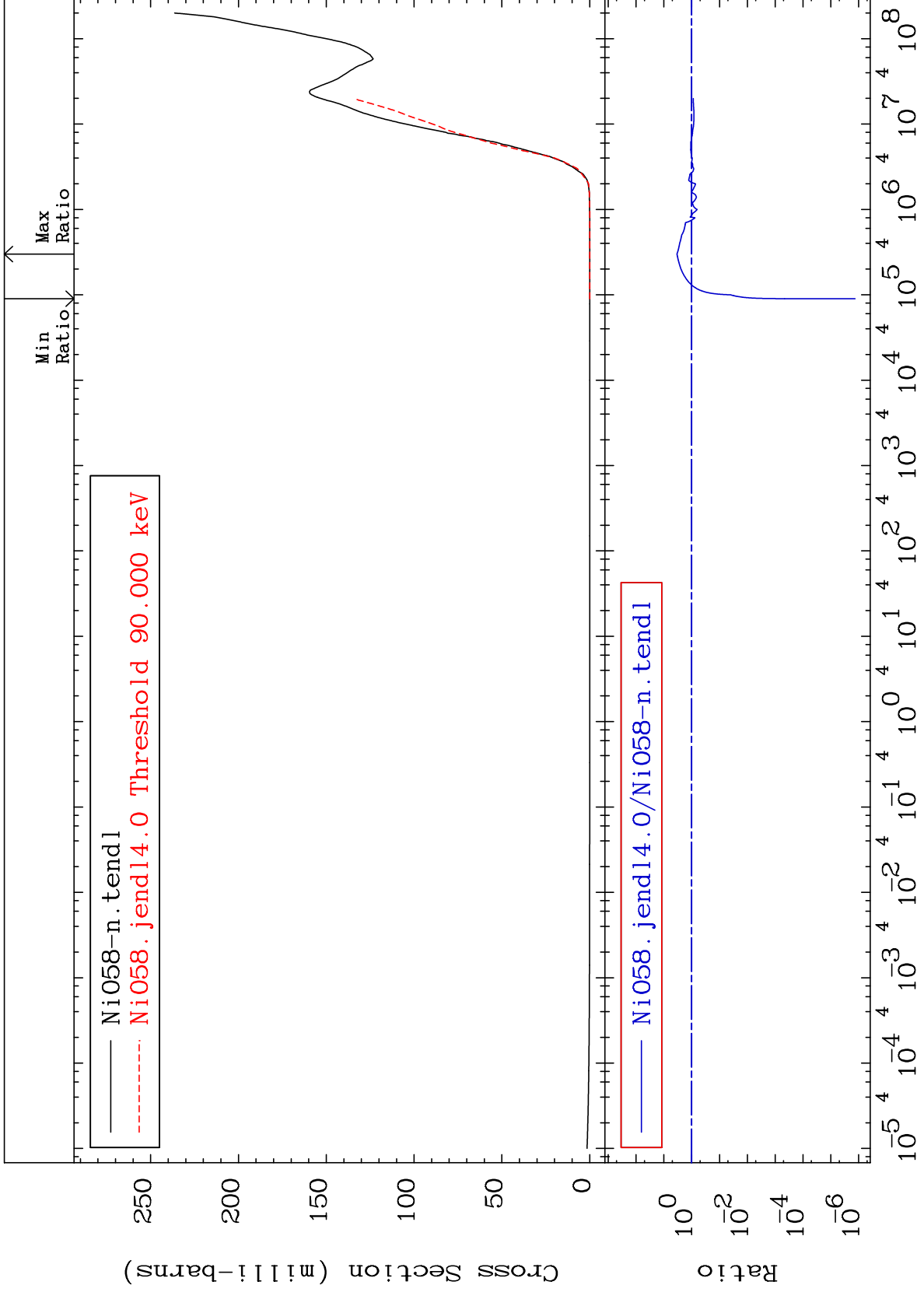


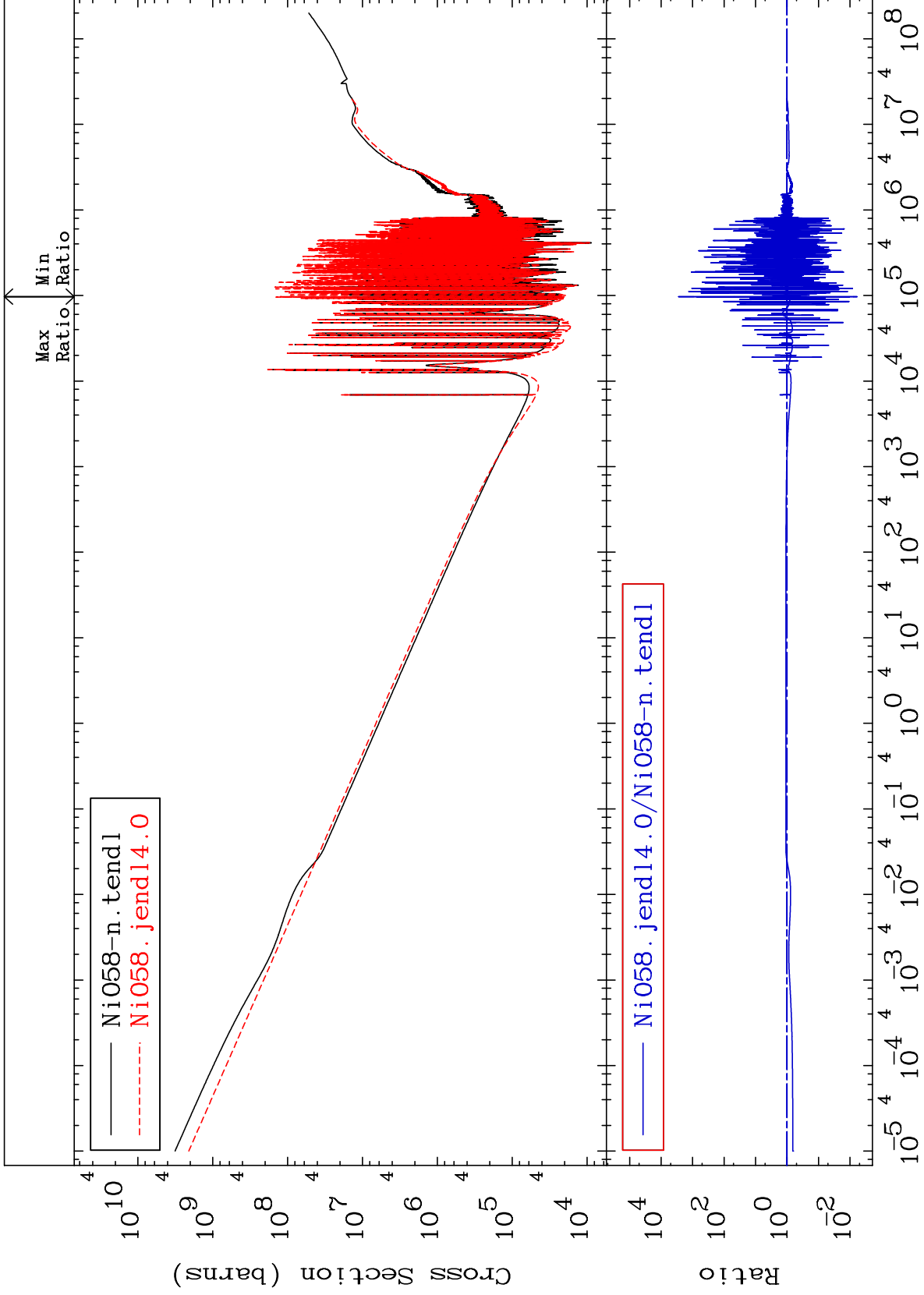


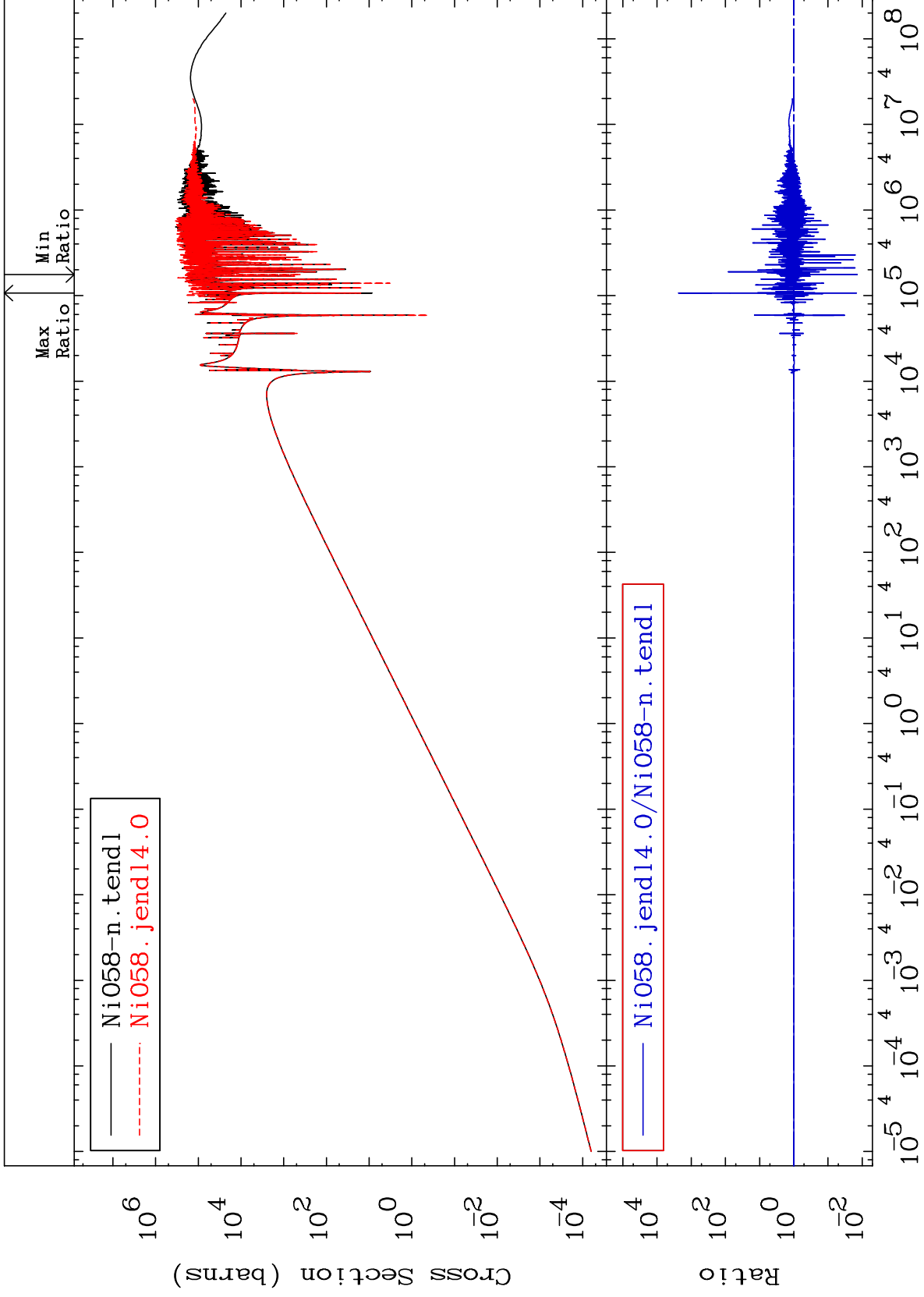


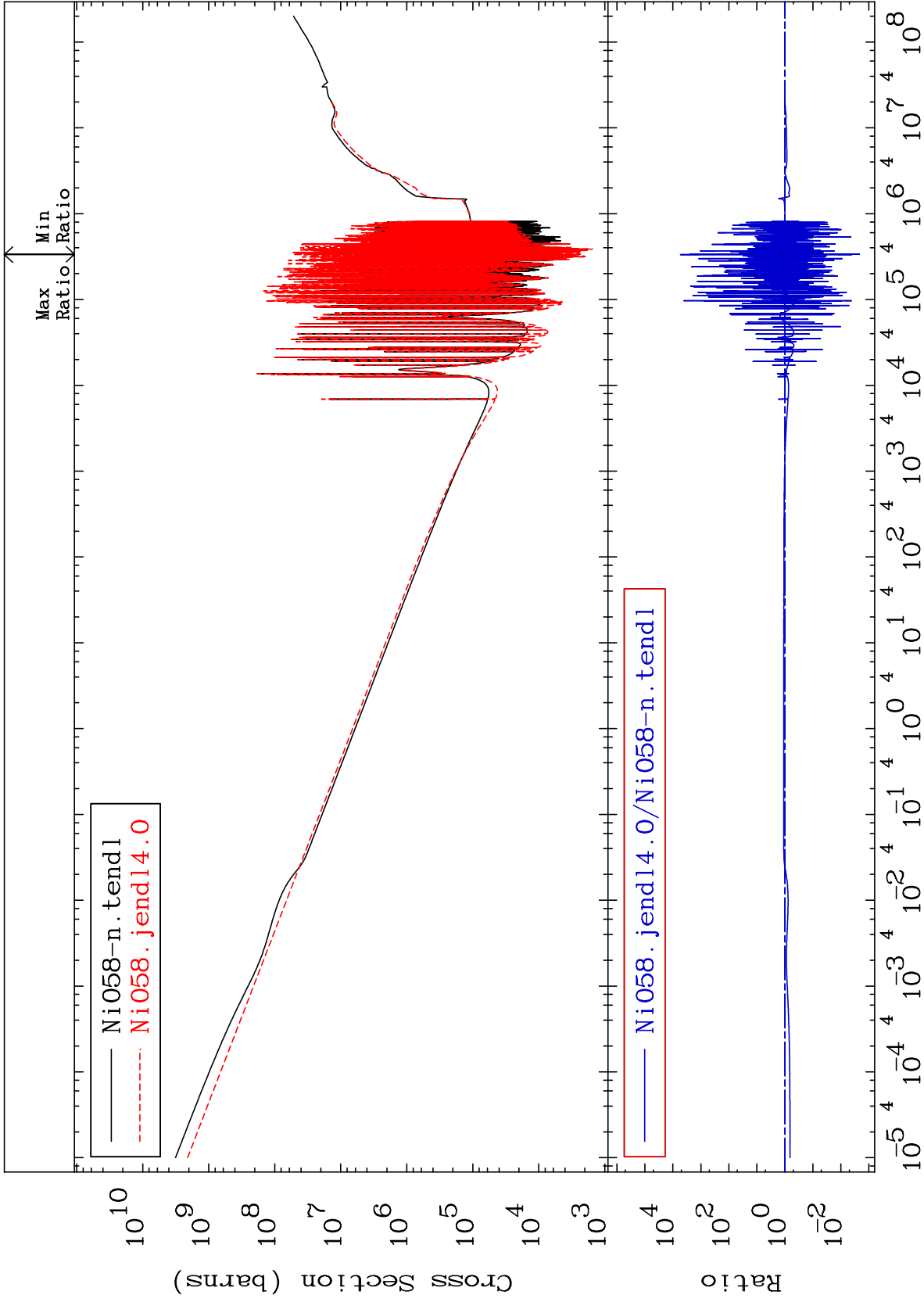


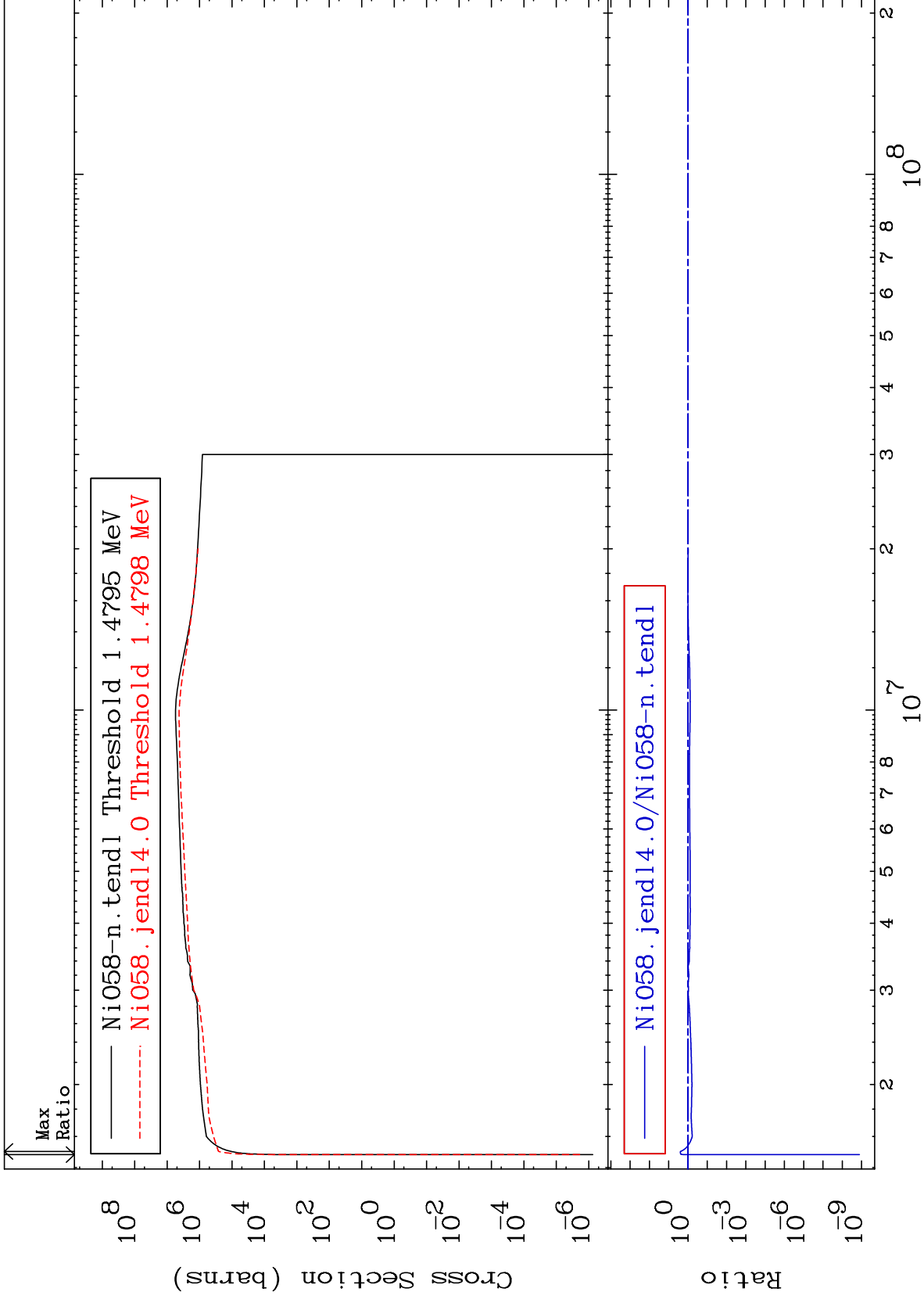








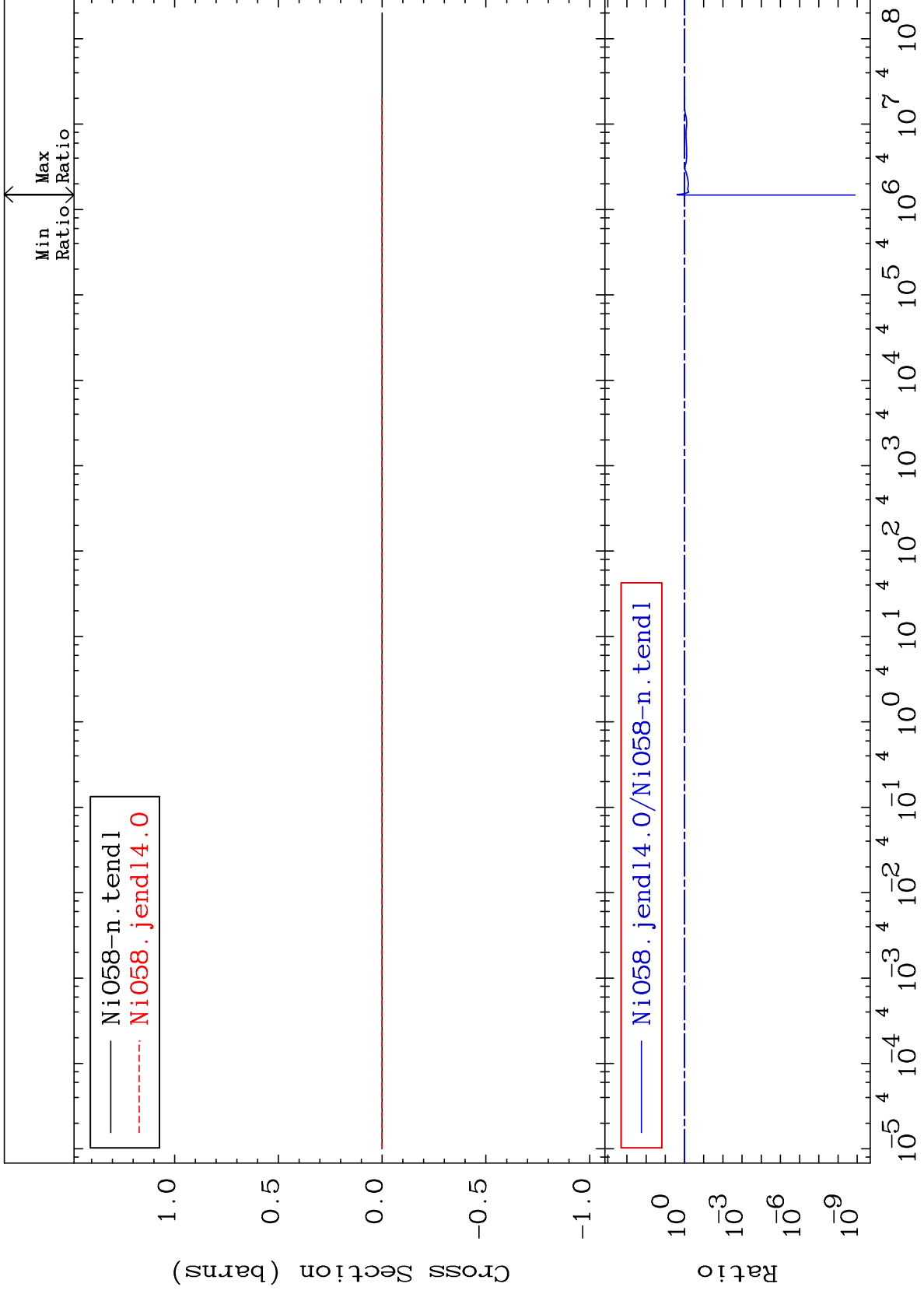




MAT 2825

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

28-Ni-58
-100.0 To 147.2 %



— Ni058-n.tendl
- - - Ni058.jendl4.0

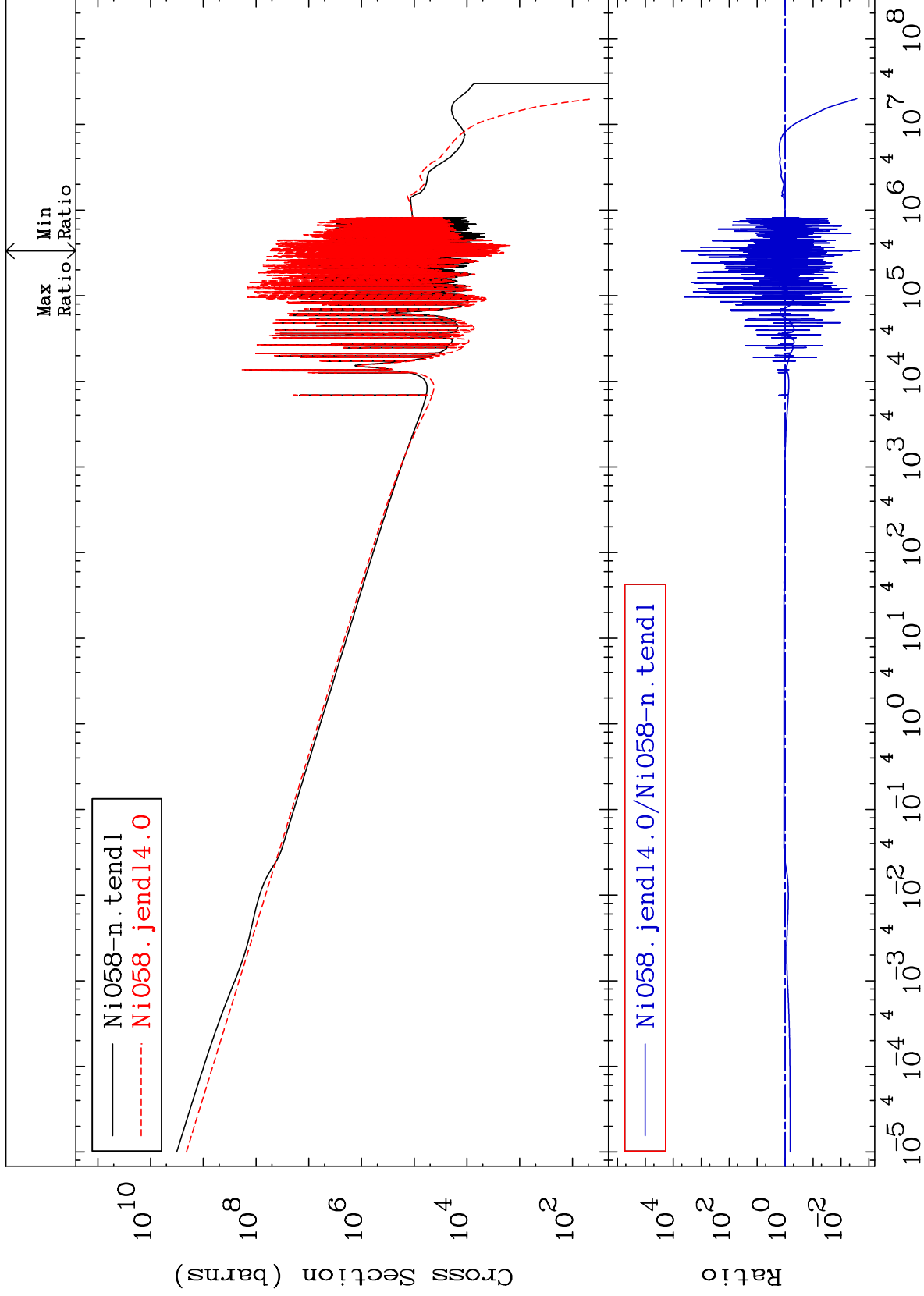
— Ni058.jendl4.0/Ni058-n.tendl

Min Ratio
Max Ratio

MAT 2825

Kerma capture (mt102)
Cross Section

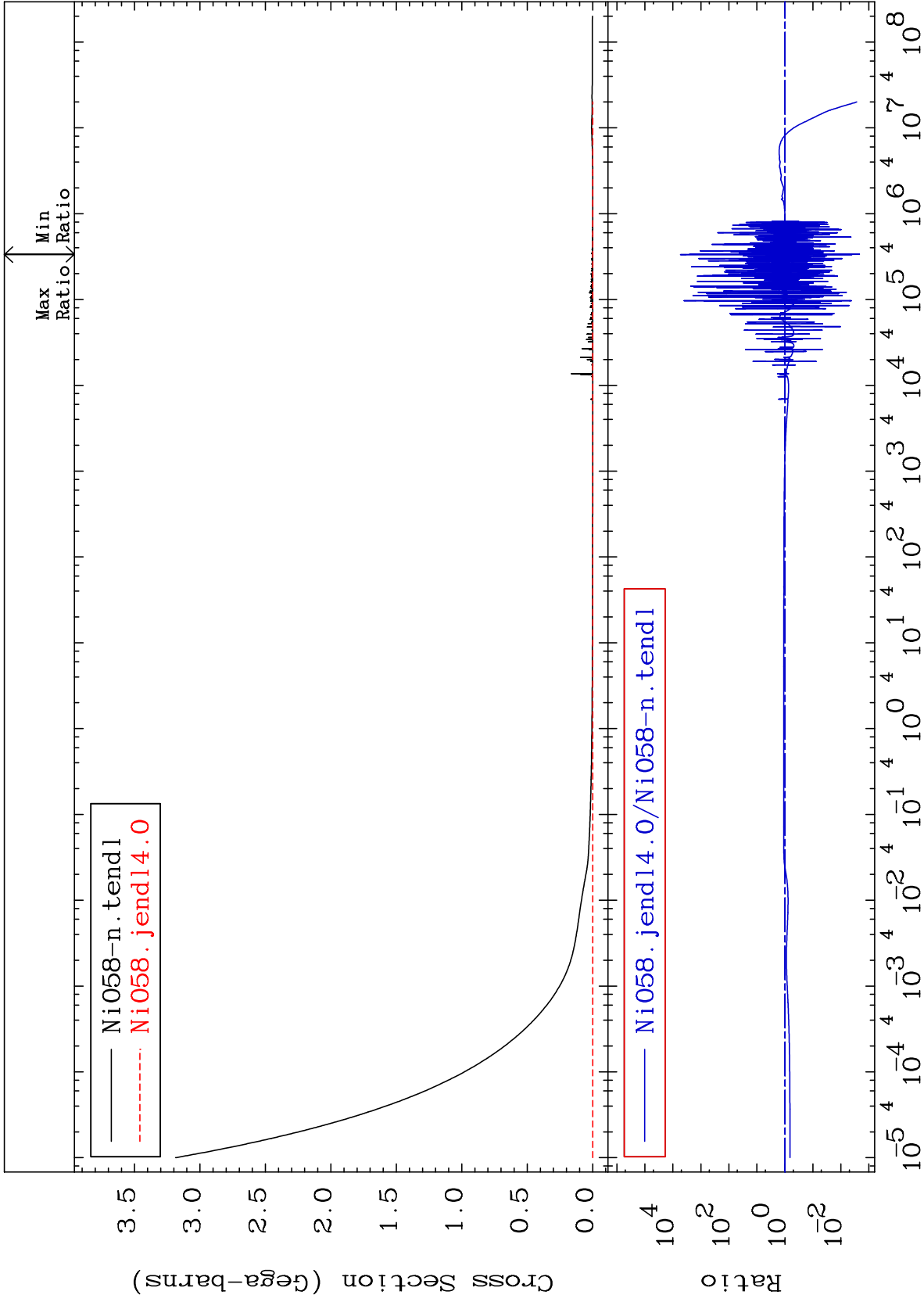
28-Ni-58
-99.78 To 9999. %



40

Incident Energy (eV)

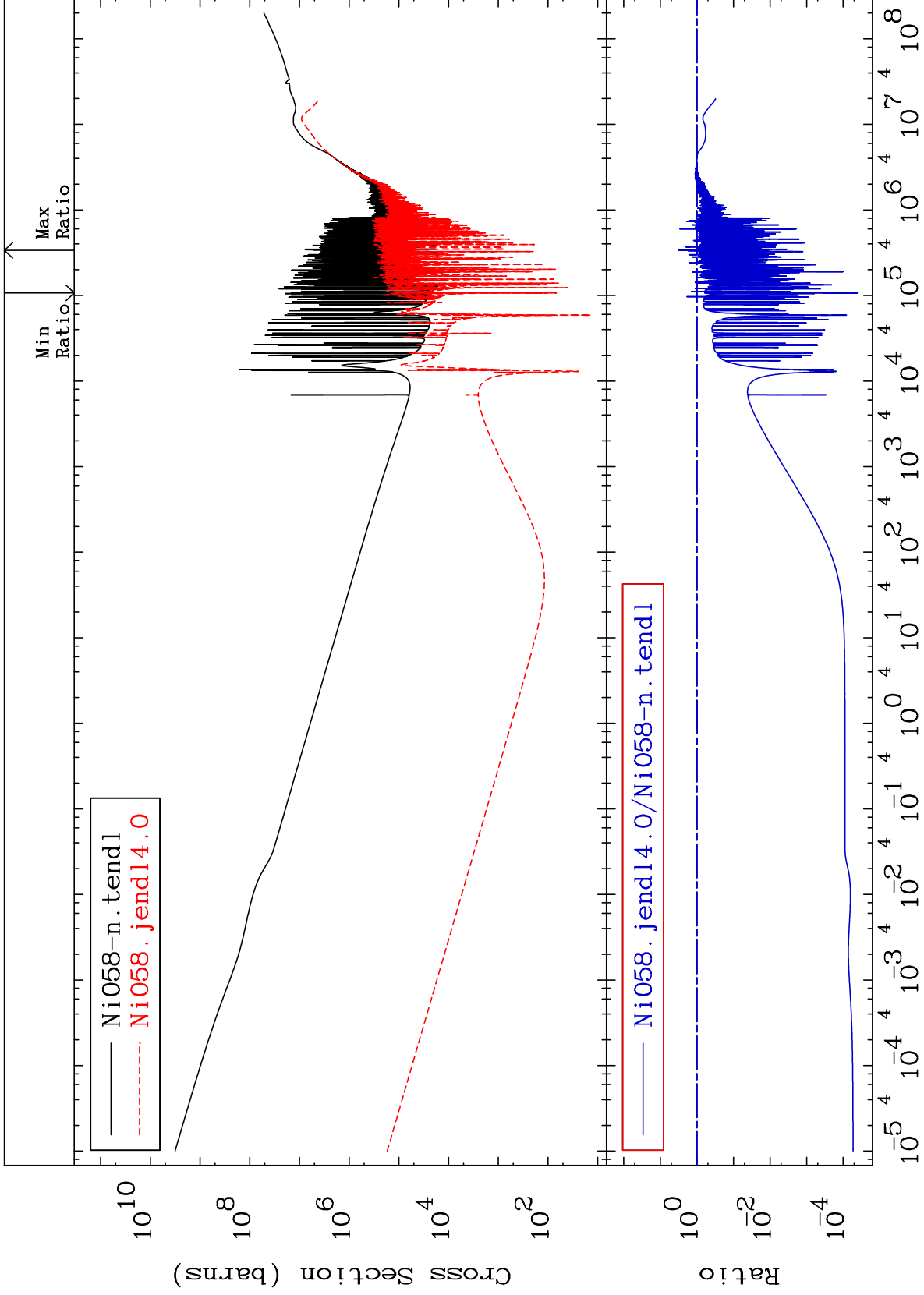
28-Ni-58



MAT 2825

Total kinematic kerma (high limit)
Cross Section

28-Ni-58
-100.0 To 216.0 %



MAT 2825

Dpa total (eV-barns)
Cross Section

28-Ni-58
-97.59 To 9999. %

