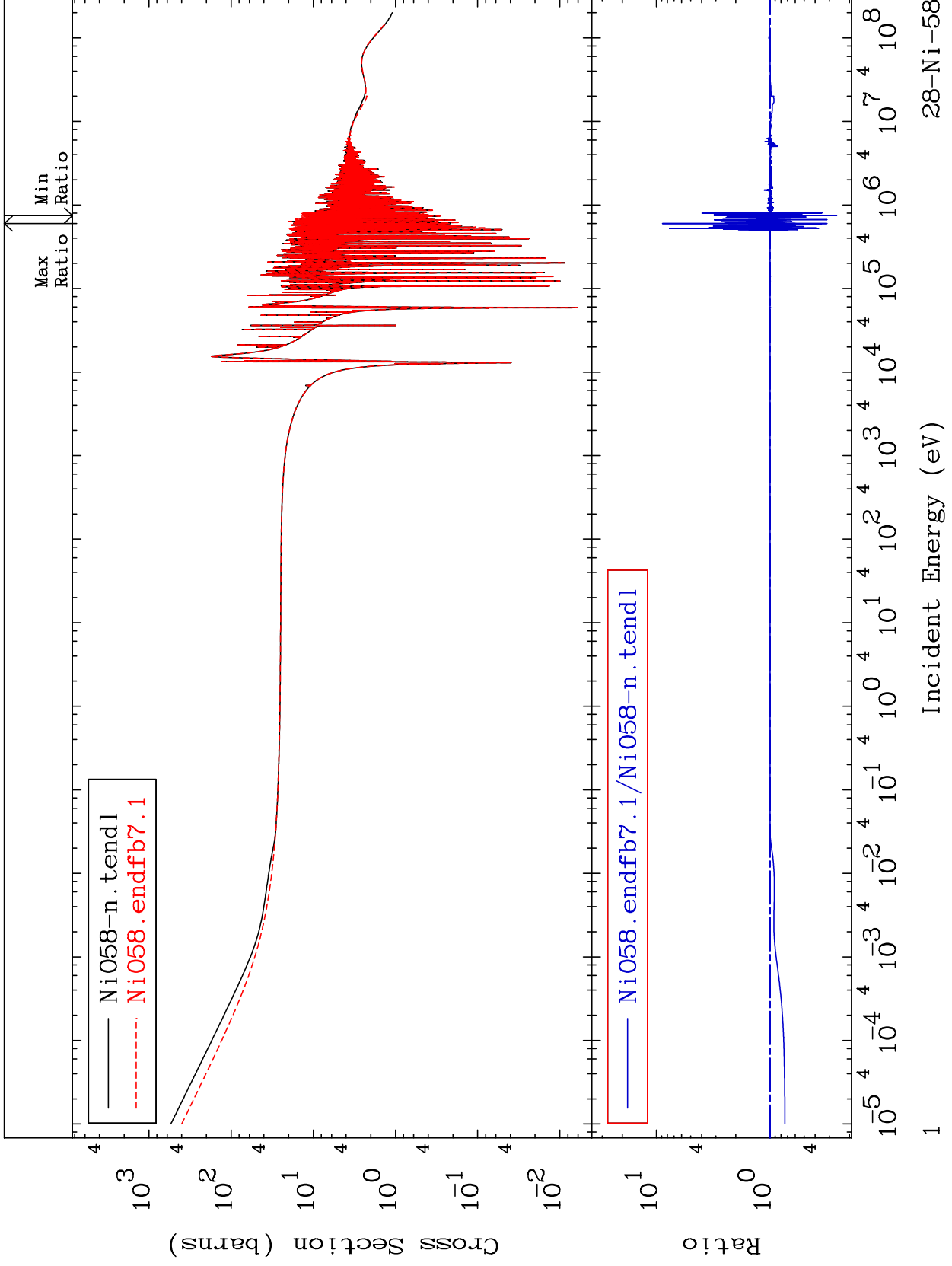


MAT 2825

Total
Cross Section

28-Ni-58
-74.10 To 787.4 %



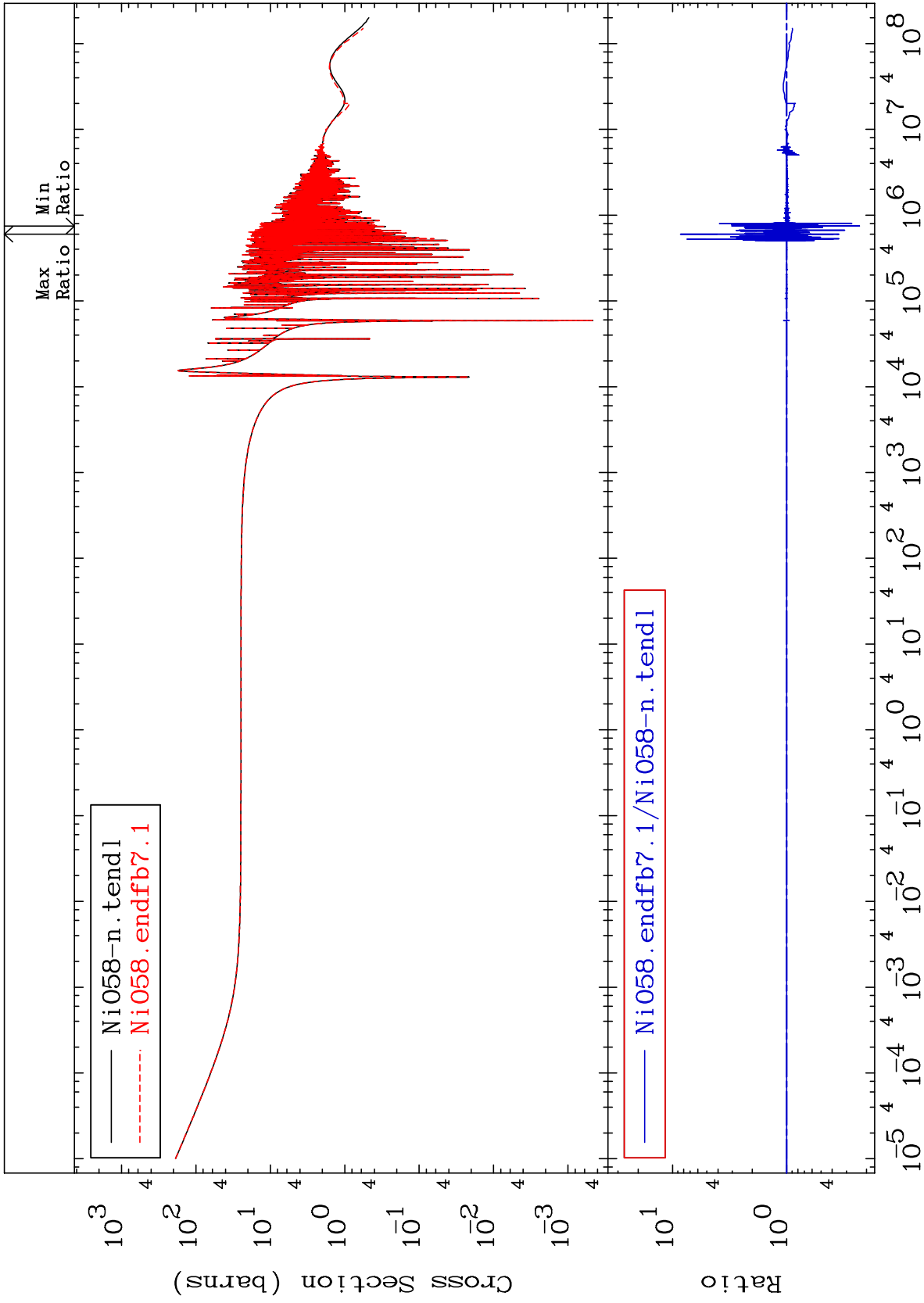
28-Ni-58

Incident Energy (eV)

MAT 2825

Elastic
Cross Section

28-Ni-58
-76.89 To 753.5 %



2

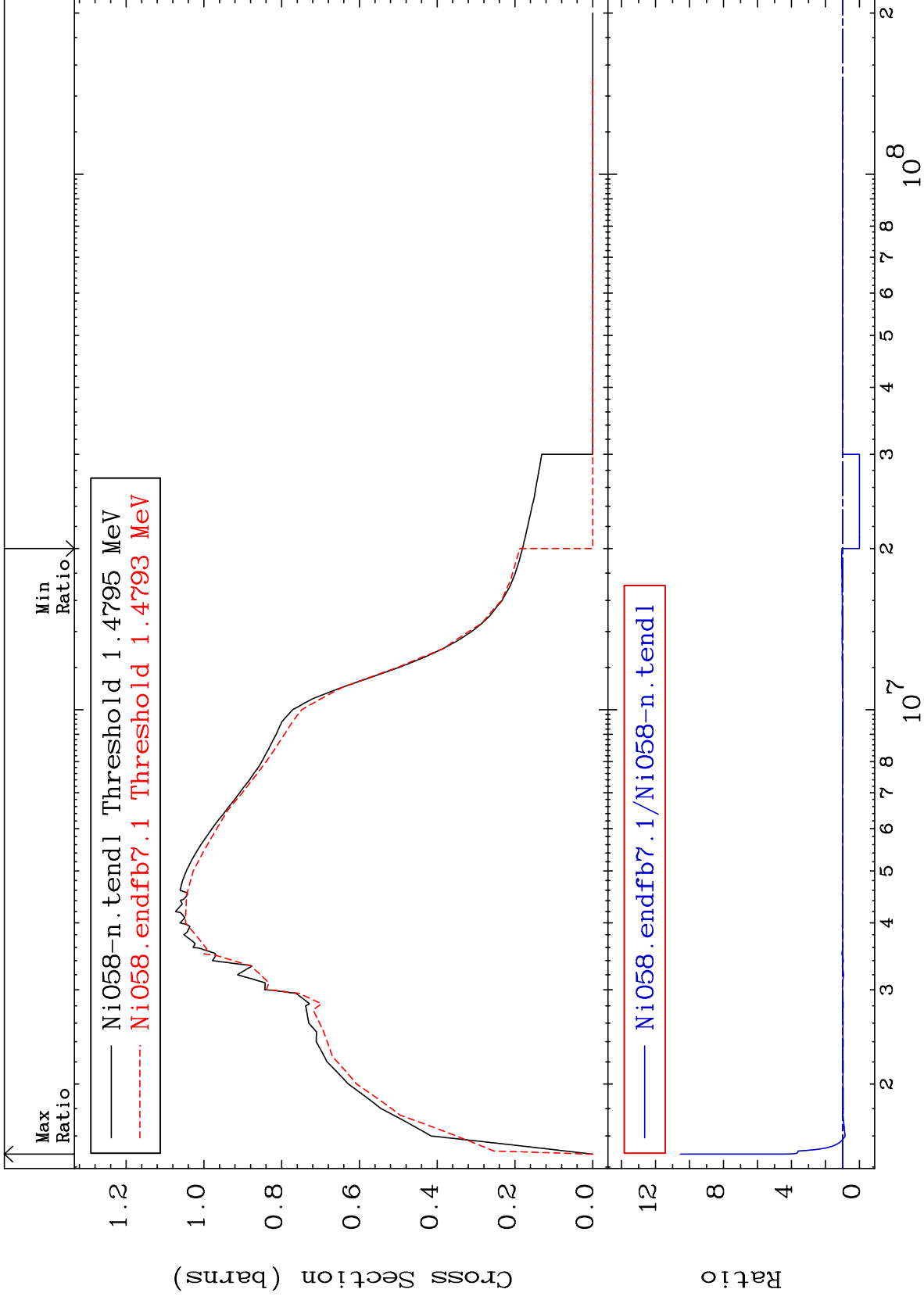
Incident Energy (eV)

28-Ni-58

MAT 2825

Inelastic
Cross Section

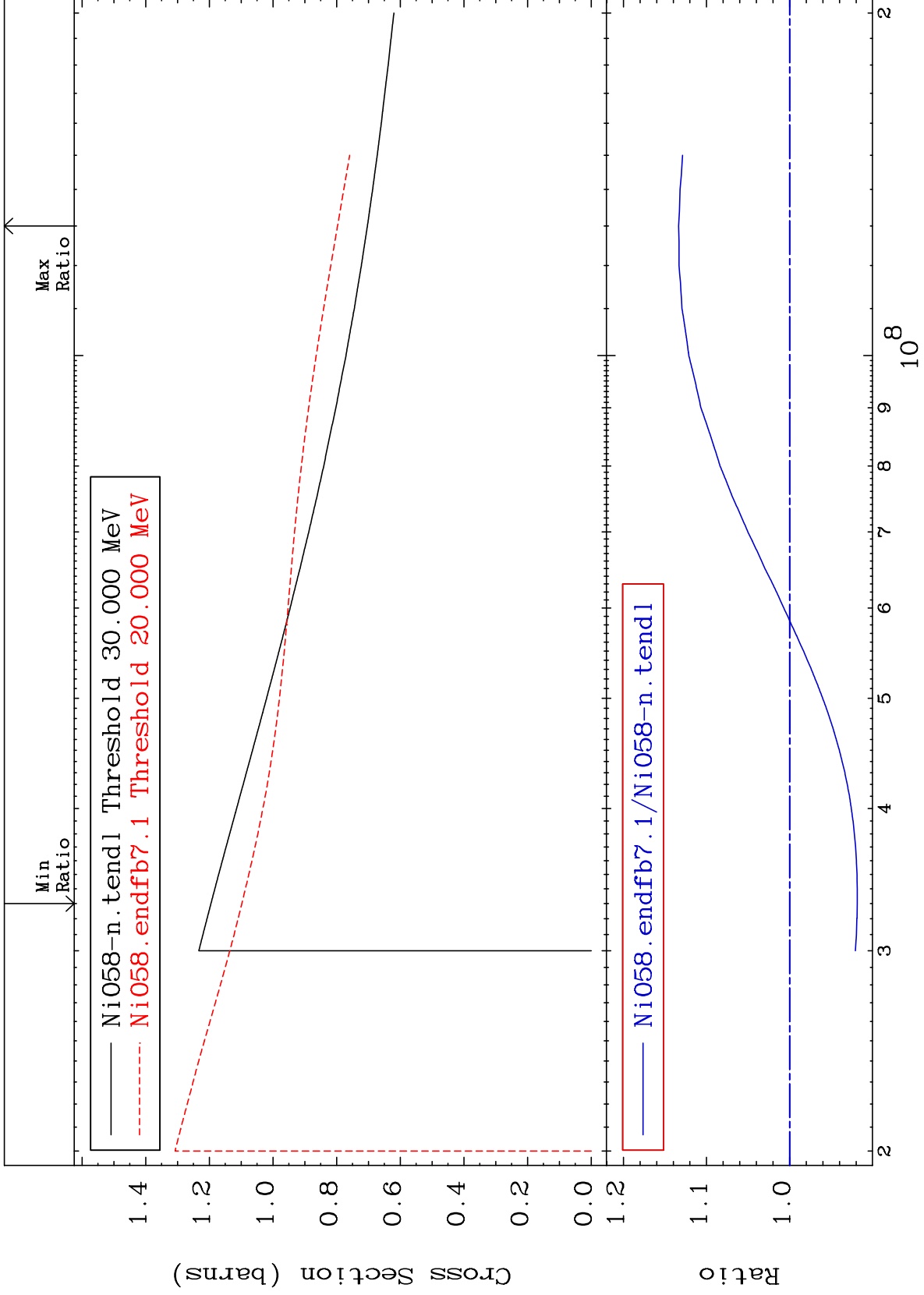
28-Ni-58
-100.0 To 954.1 %



MAT 2825

(n, remainder)
Cross Section

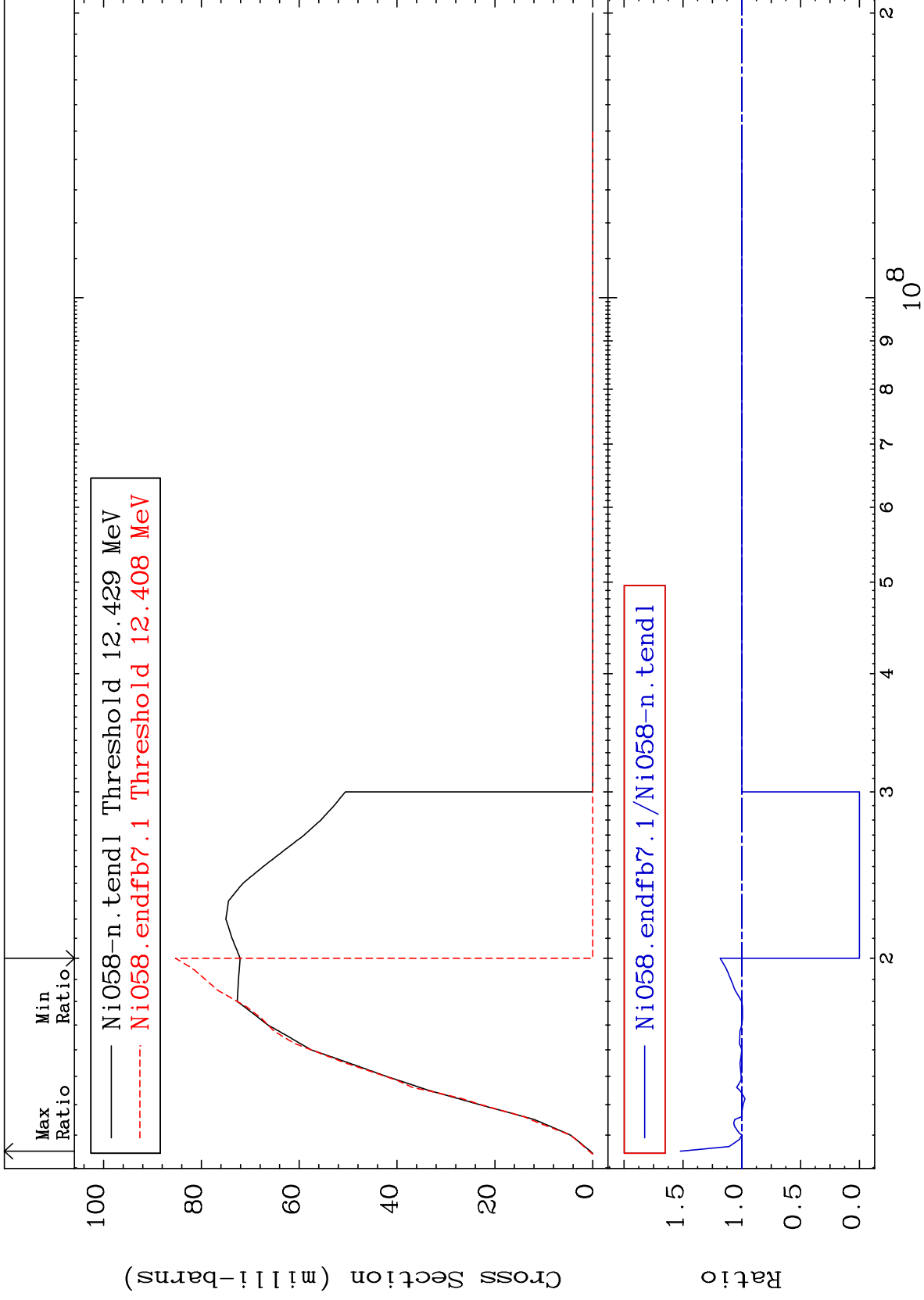
28-Ni-58
-8.131 To 13.36 %



MAT 2825

(n,2n)
Cross Section

28-Ni-58
-100.0 To 52.19 %



5

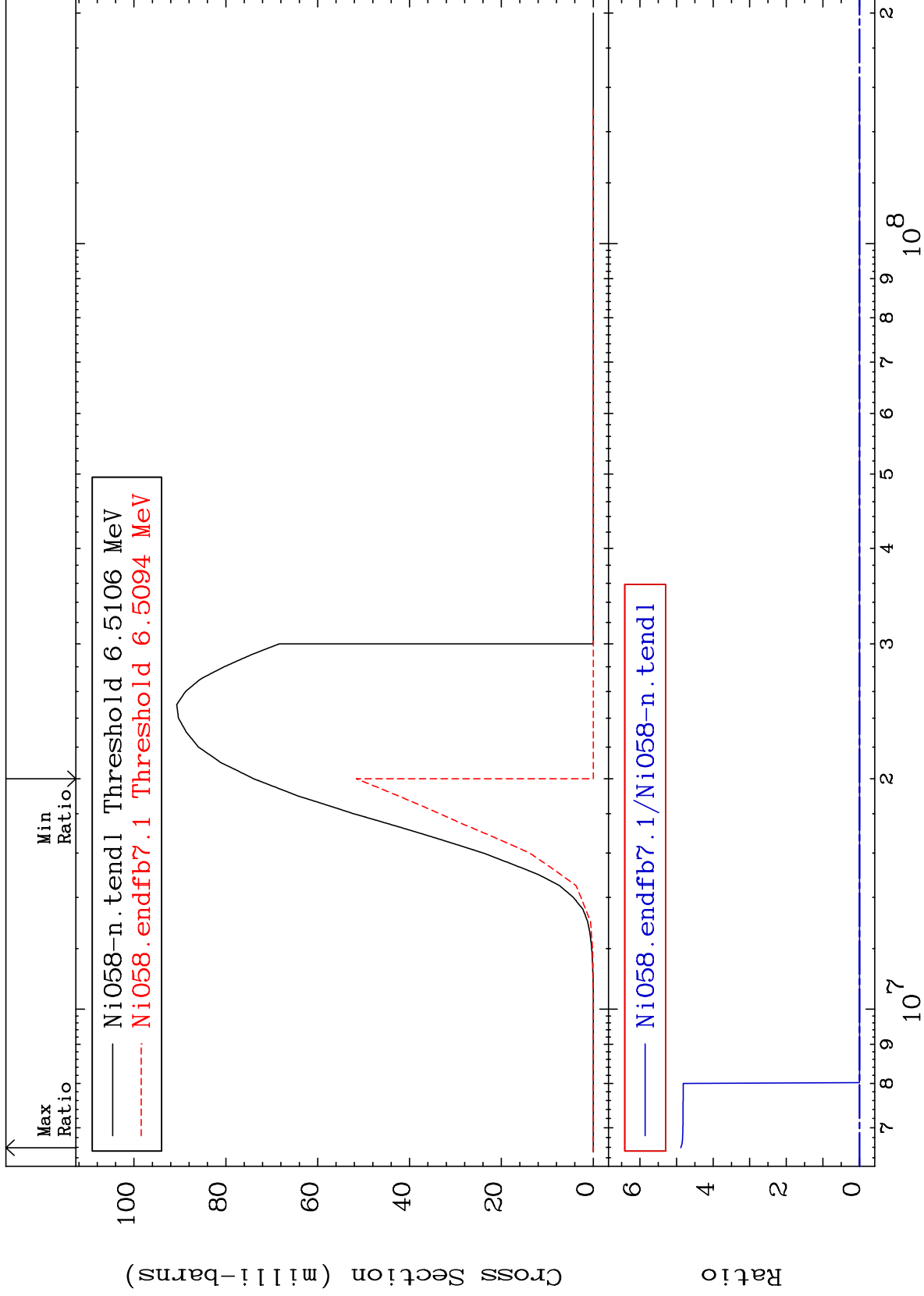
Incident Energy (eV)

28-Ni-58

MAT 2825

(n, n') α
Cross Section

28-Ni-58
-100.0 To 9999. %



6

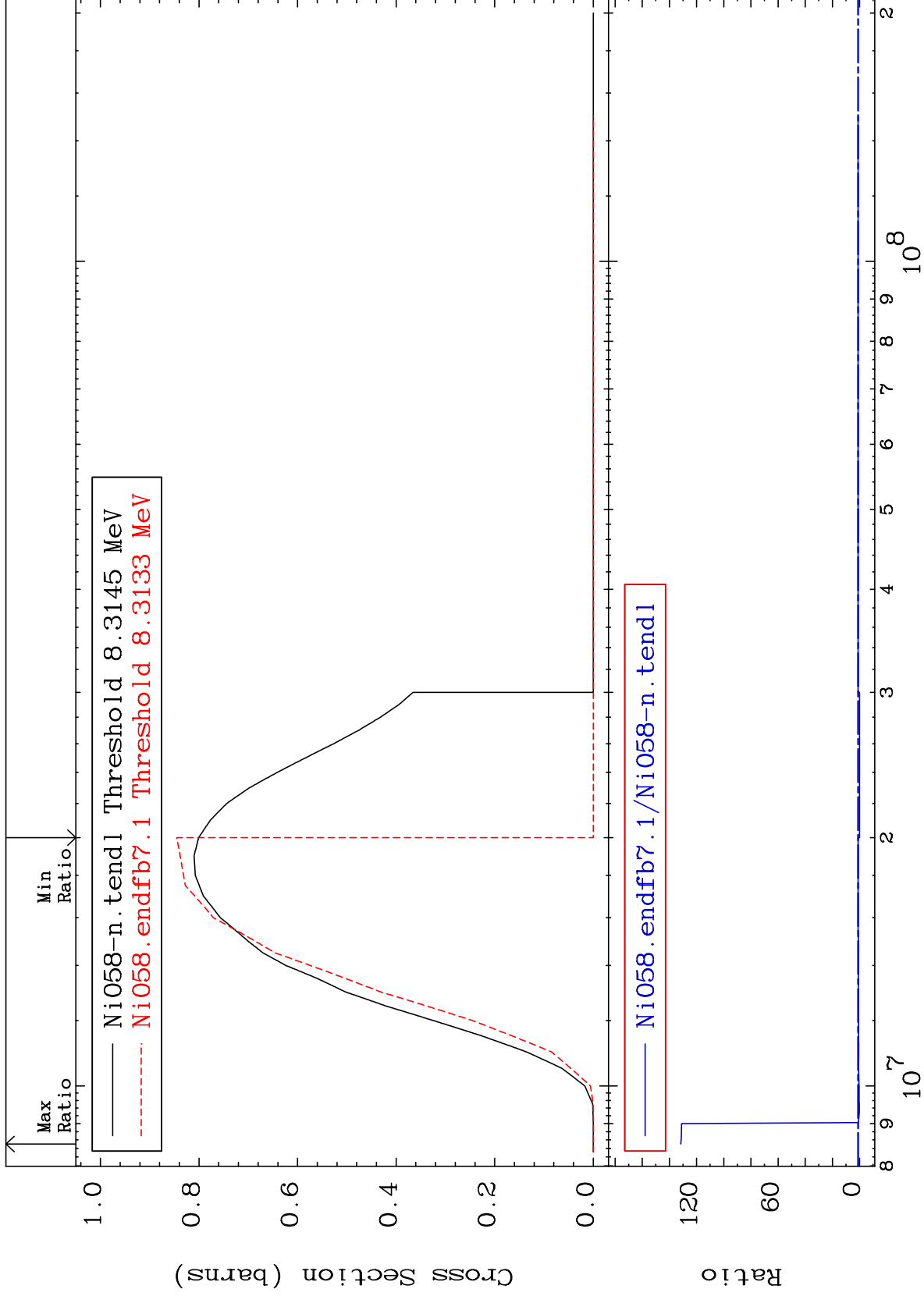
Incident Energy (eV)

28-Ni-58

MAT 2825

(n,n') p
Cross Section

28-Ni-58
-100.0 To 9999. %



7

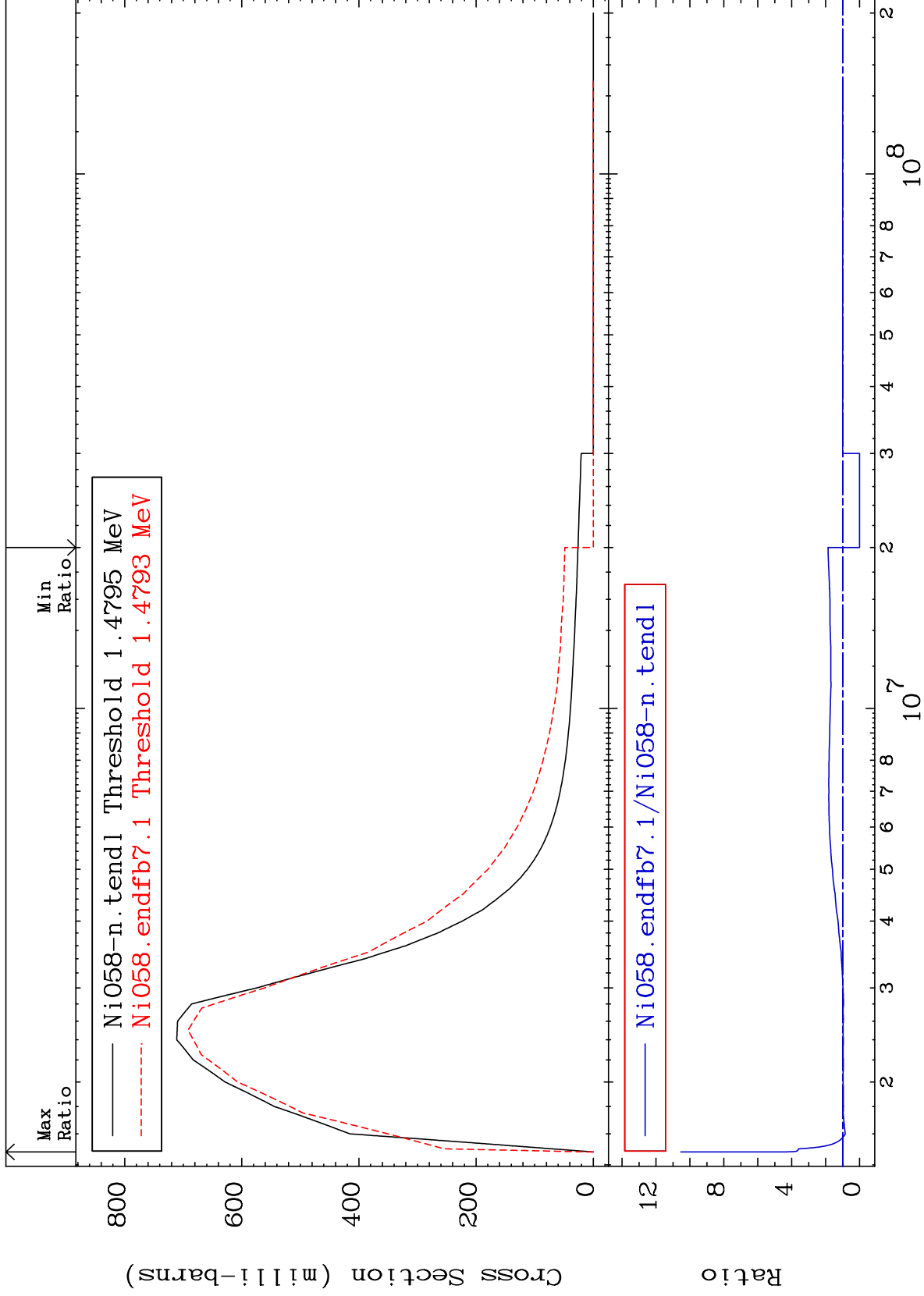
Incident Energy (eV)

28-Ni-58

MAT 2825

1.454 MeV (n,n') Level
Cross Section

28-Ni-58
-100.0 To 954.1 %



8

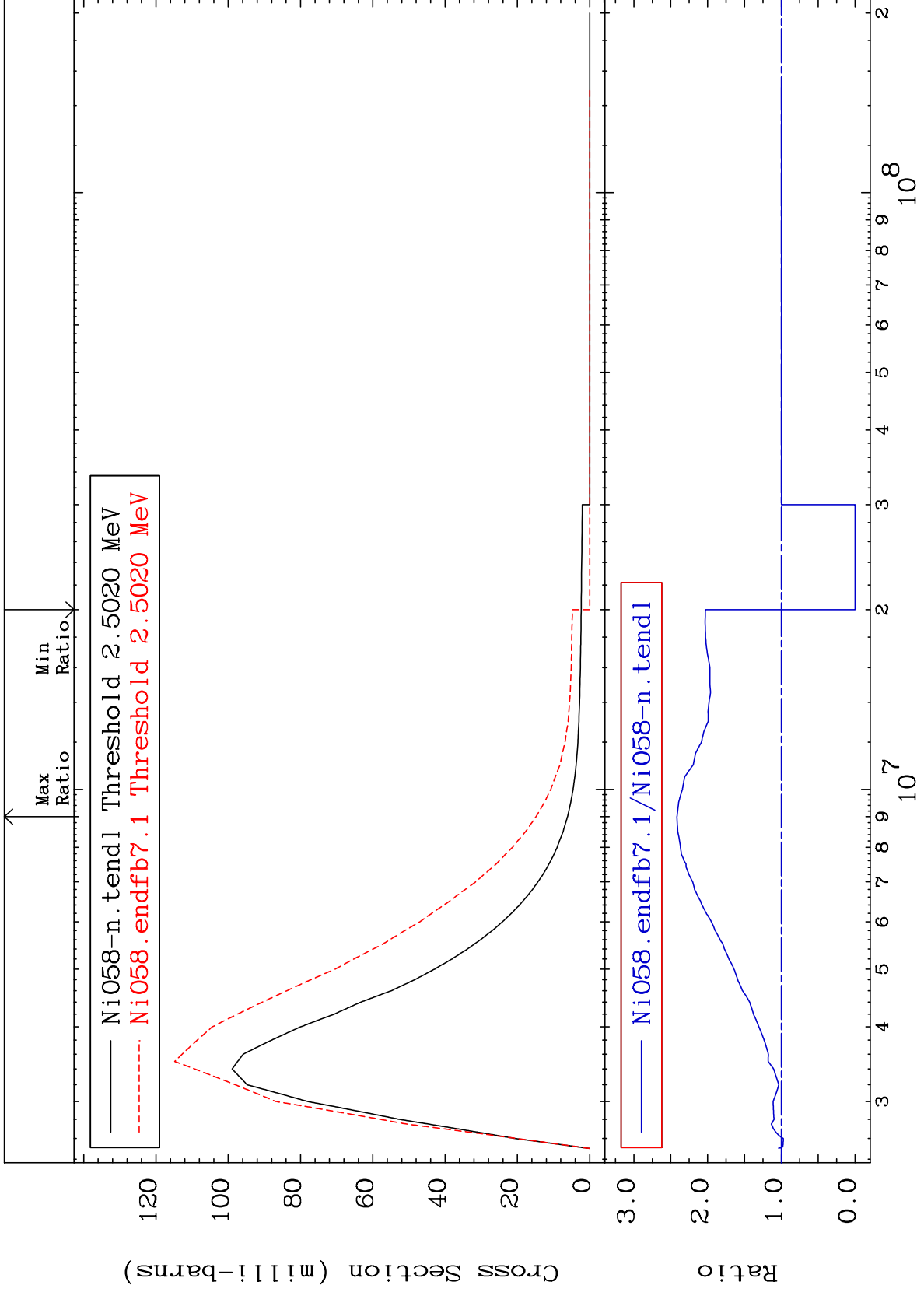
28-Ni-58

28-Ni-58

MAT 2825

2.459 MeV (n,n') Level
Cross Section

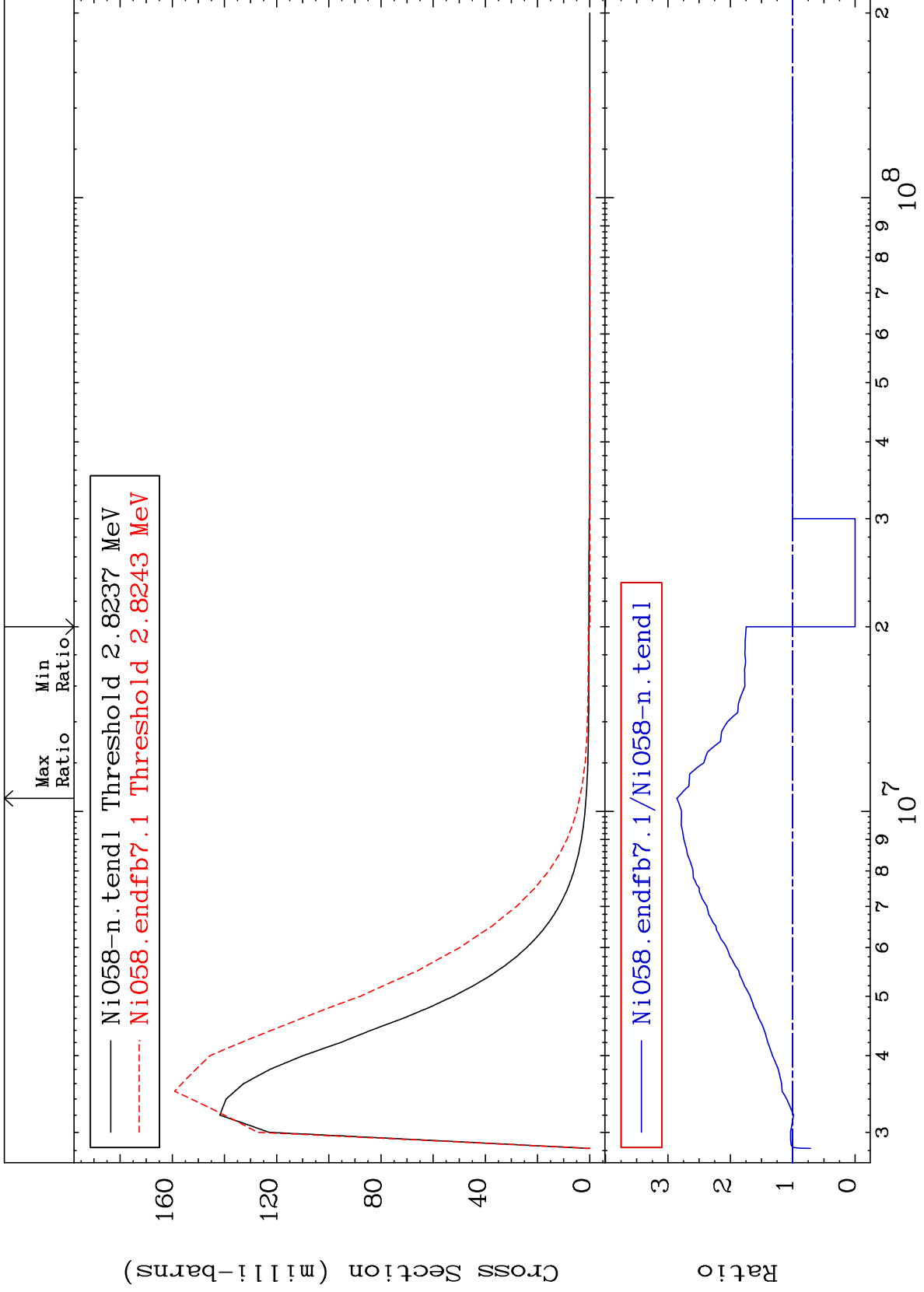
28-Ni-58
-100.0 To 141.6 %



MAT 2825

2.775 MeV (n,n') Level
Cross Section

28-Ni-58
-100.0 To 185.6 %



10

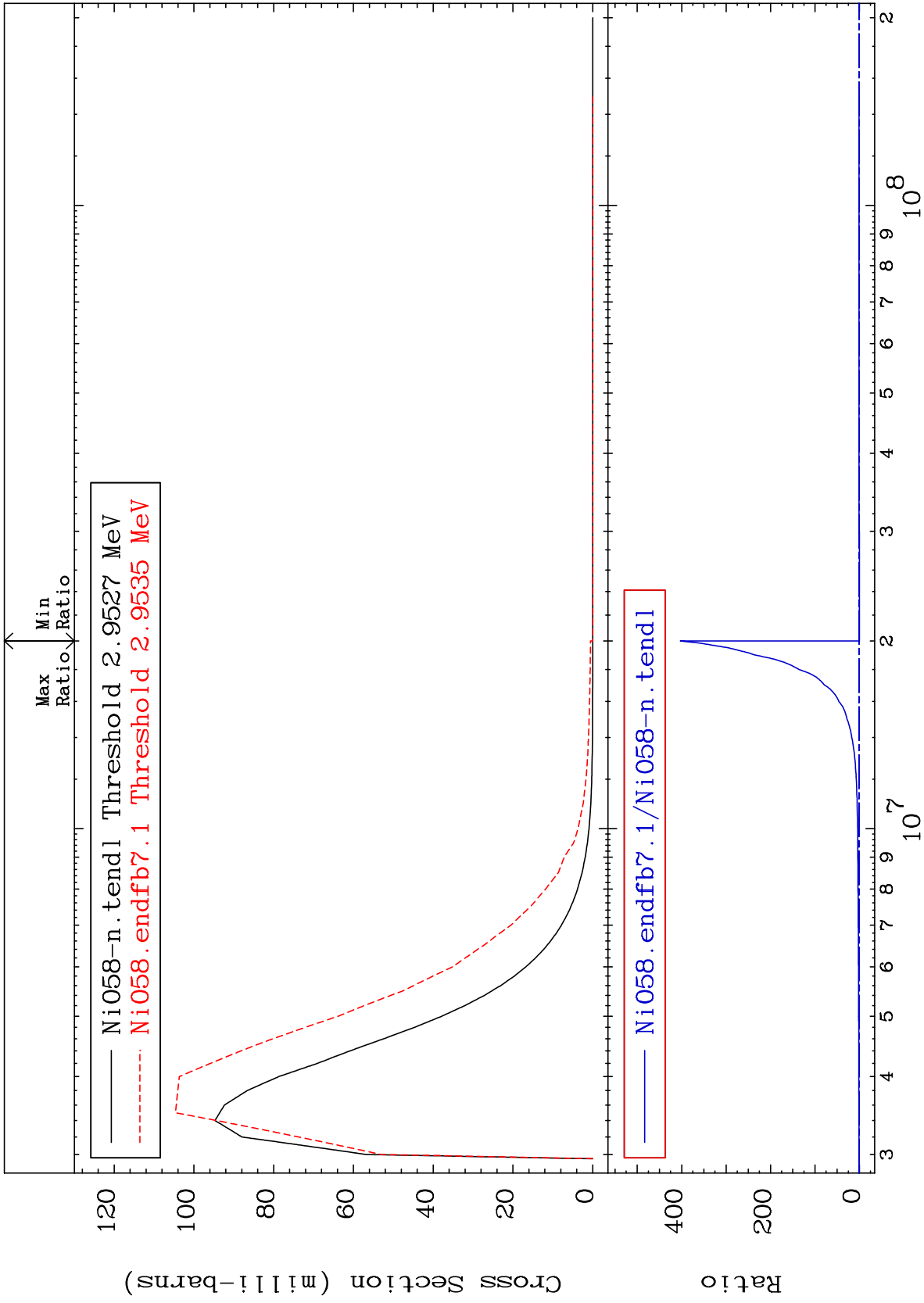
Incident Energy (eV)

28-Ni-58

MAT 2825

2.902 MeV (n,n') Level
Cross Section

28-Ni-58
-100.0 To 9999. %



11

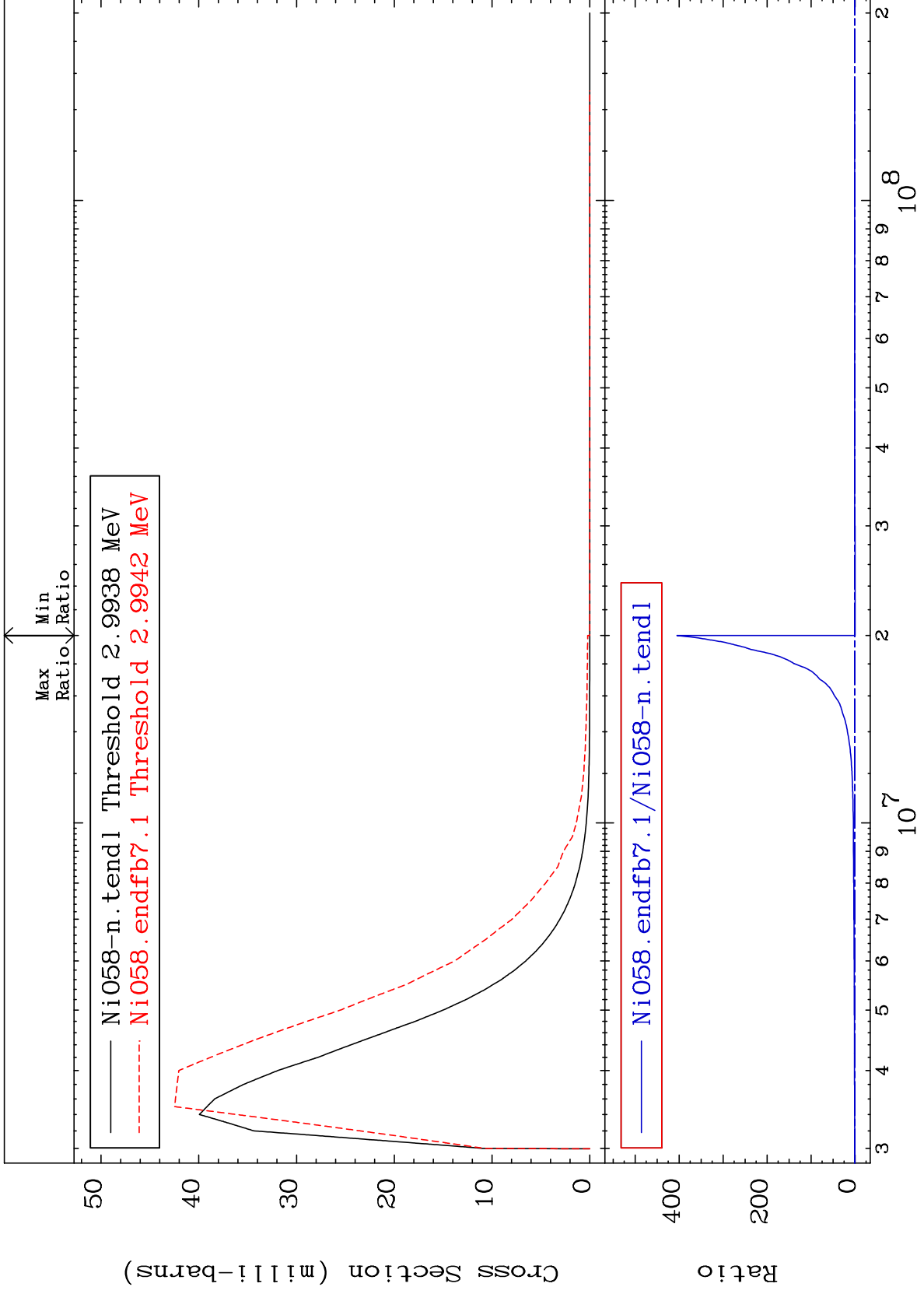
28-Ni-58

28-Ni-58

MAT 2825

2.943 MeV (n,n') Level
Cross Section

28-Ni-58
-100.0 To 9999. %



12

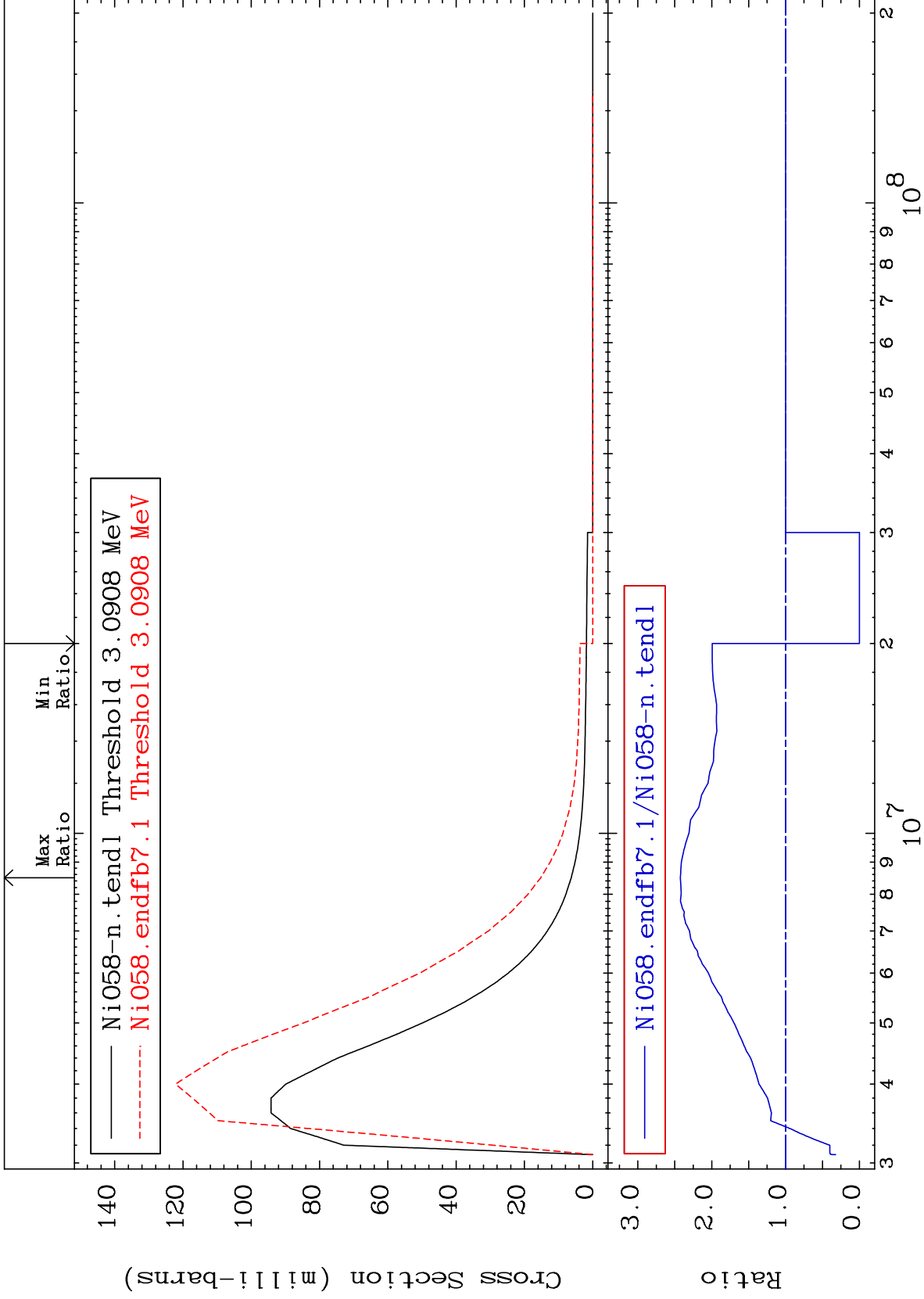
Incident Energy (eV)

28-Ni-58

MAT 2825

3.038 MeV (n,n') Level
Cross Section

28-Ni-58
-100.0 To 142.4 %



13

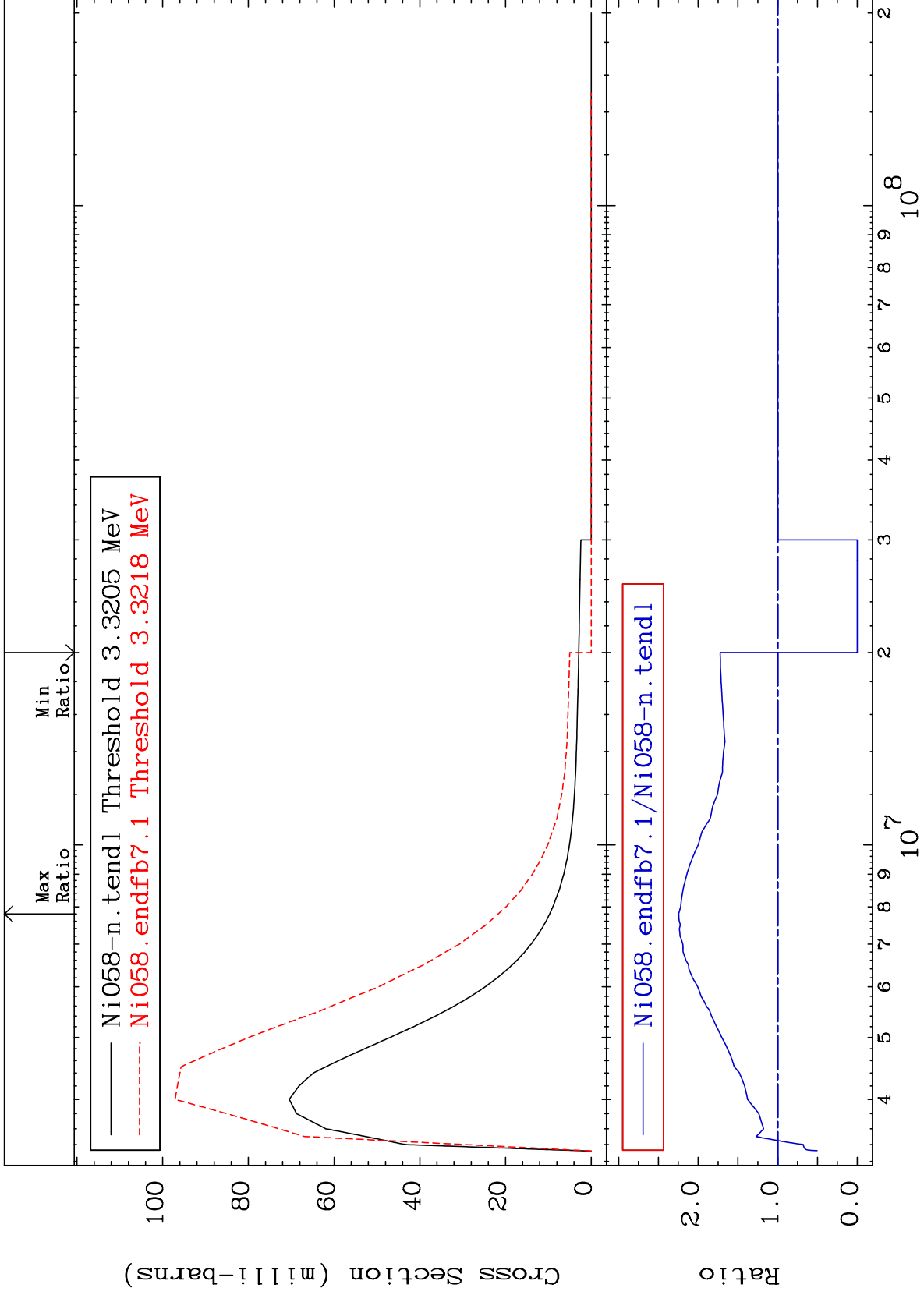
Incident Energy (eV)

28-Ni-58

MAT 2825

3.264 MeV (n,n') Level
Cross Section

28-Ni-58
-100.0 To 124.5 %



14

Incident Energy (eV)

28-Ni-58

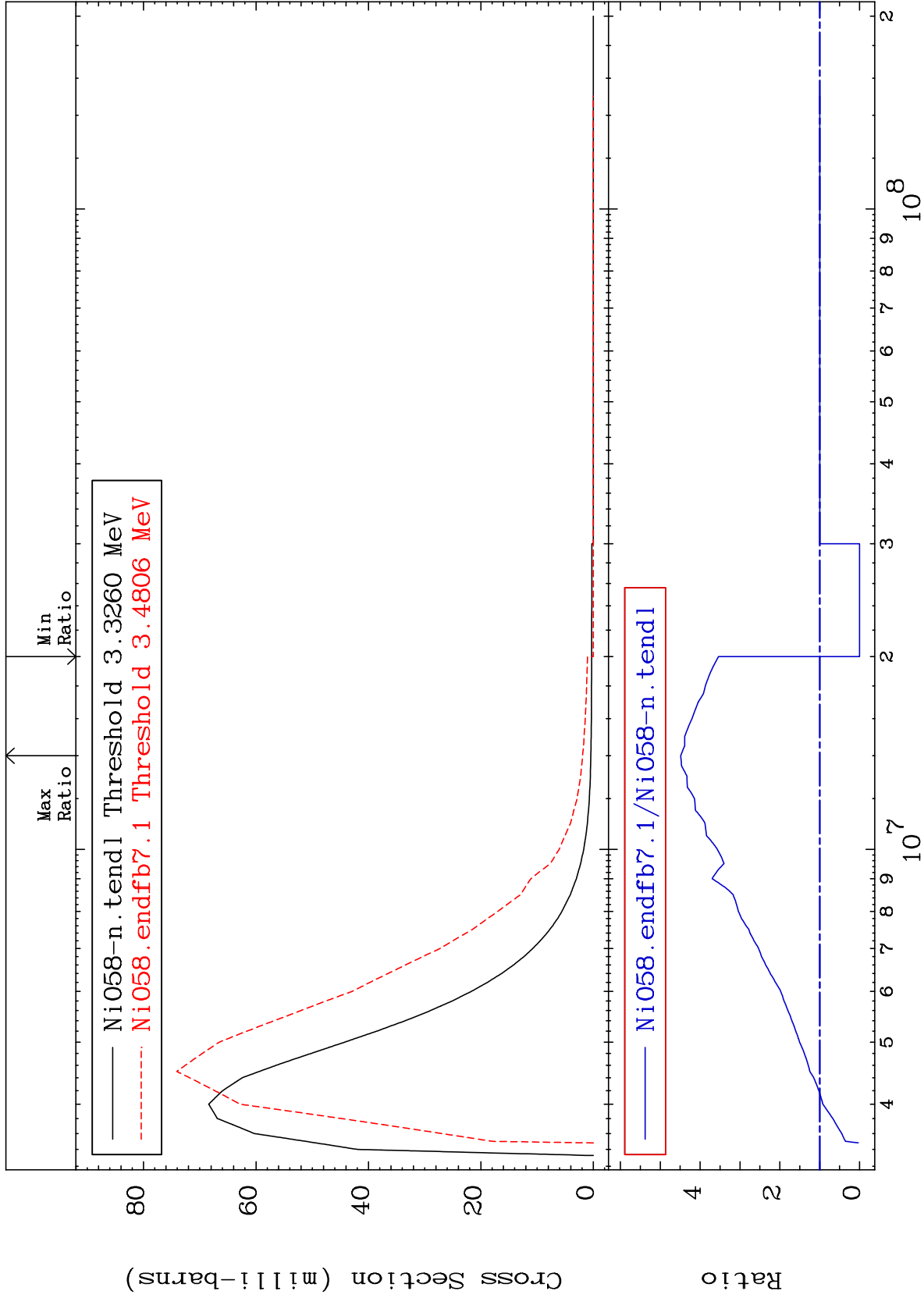
MAT 2825

3.269 MeV (n,n') Level

28-Ni-58

-100.0 To 348.5 %

Cross Section



15

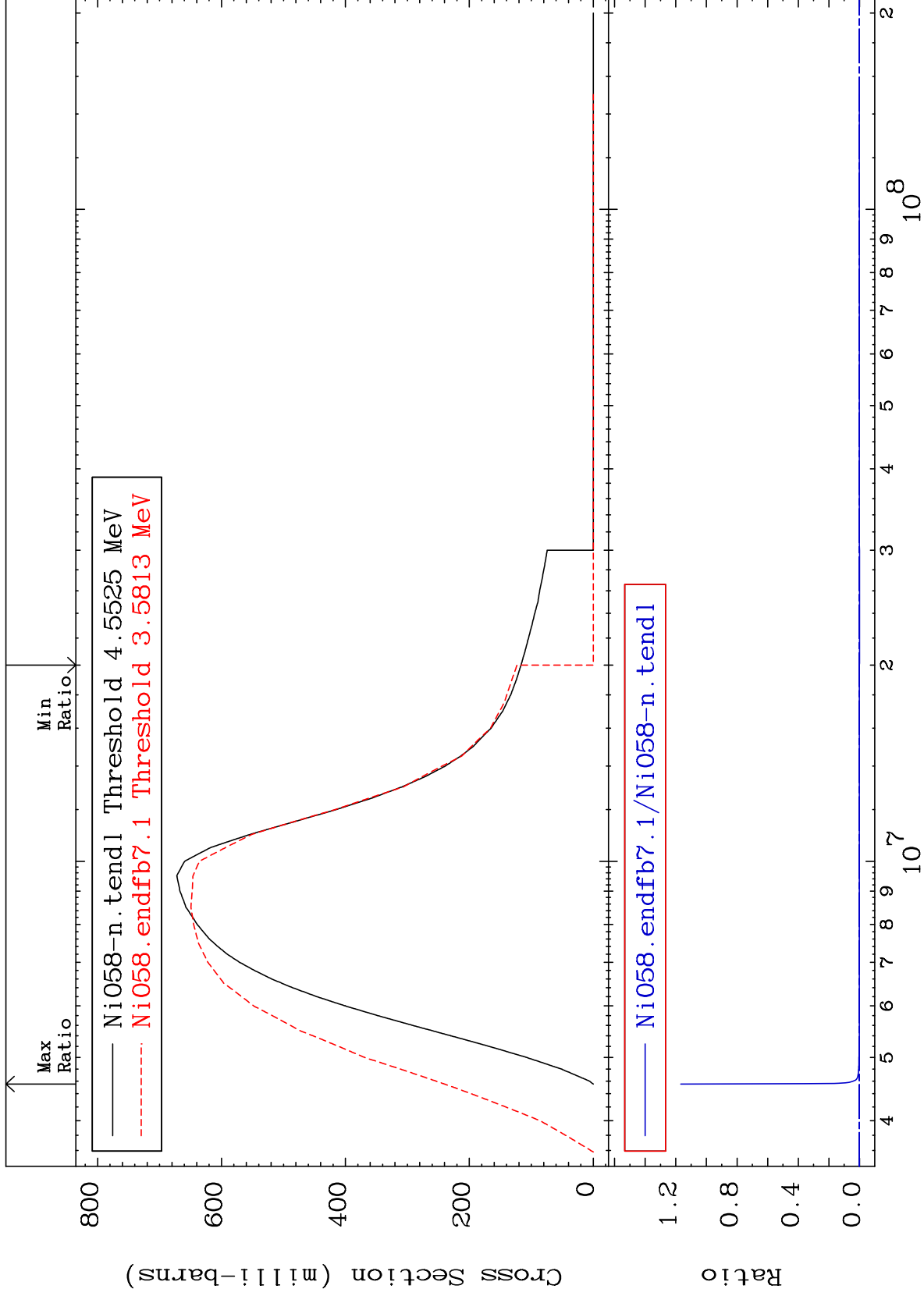
Incident Energy (eV)

28-Ni-58

MAT 2825

(n, n') Continuum
Cross Section

28-Ni-58
-100.0 To 9999. %



16

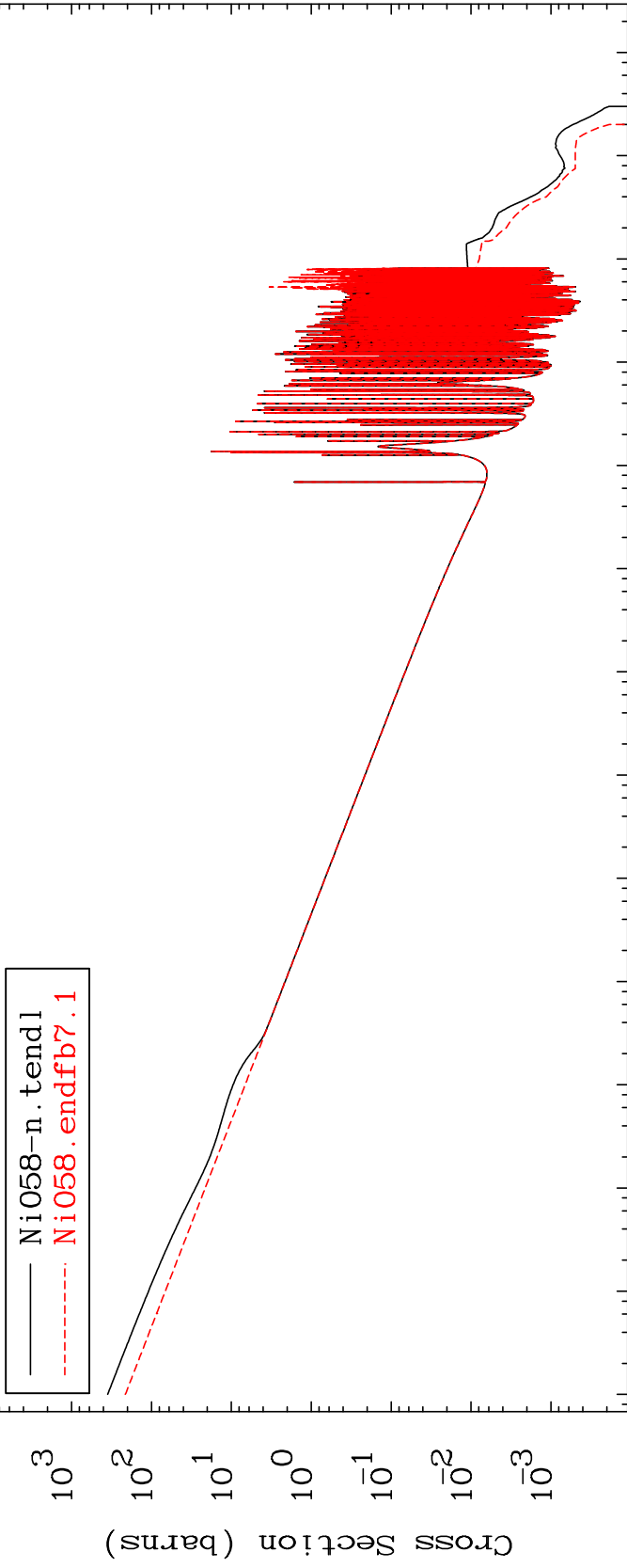
28-Ni-58

28-Ni-58

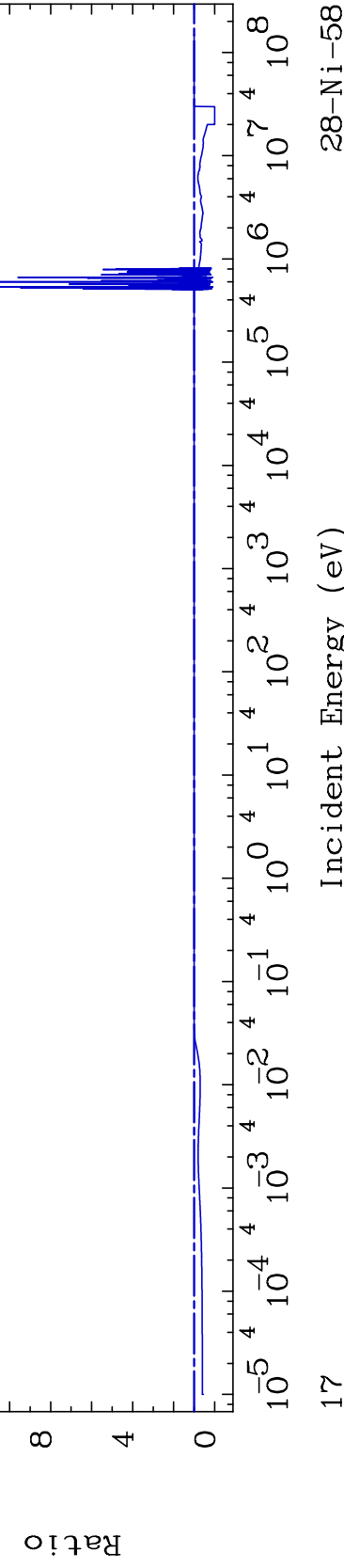
MAT 2825

(n, γ)
Cross Section

28-Ni-58
-100.0 To 949.8 %



Ni058.endfb7.1/Ni058-n.tendl



28-Ni-58

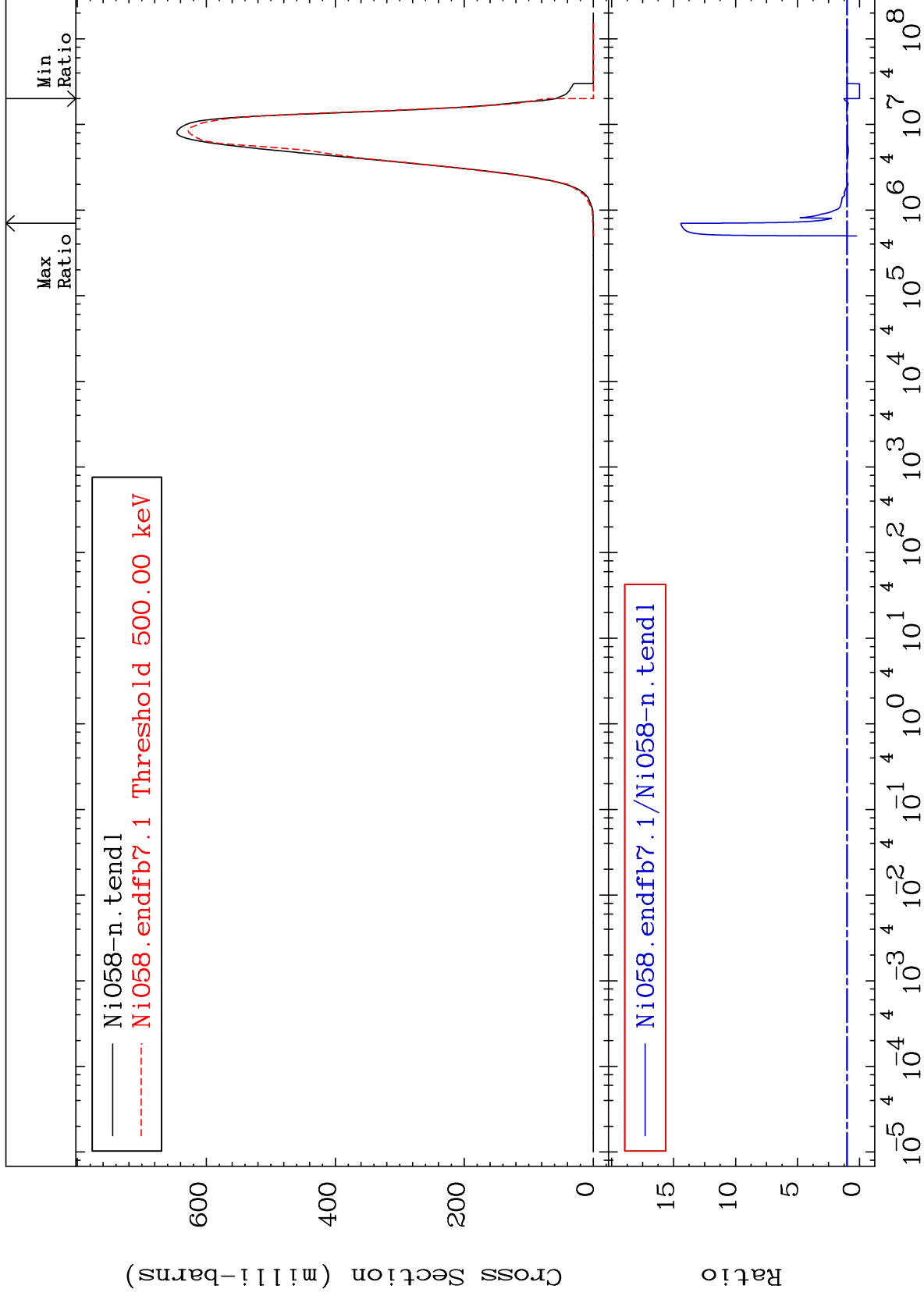
Incident Energy (eV)

17

MAT 2825

(n,p)
Cross Section

28-Ni-58
-100.0 To 1342. %



18

28-Ni-58

28-Ni-58

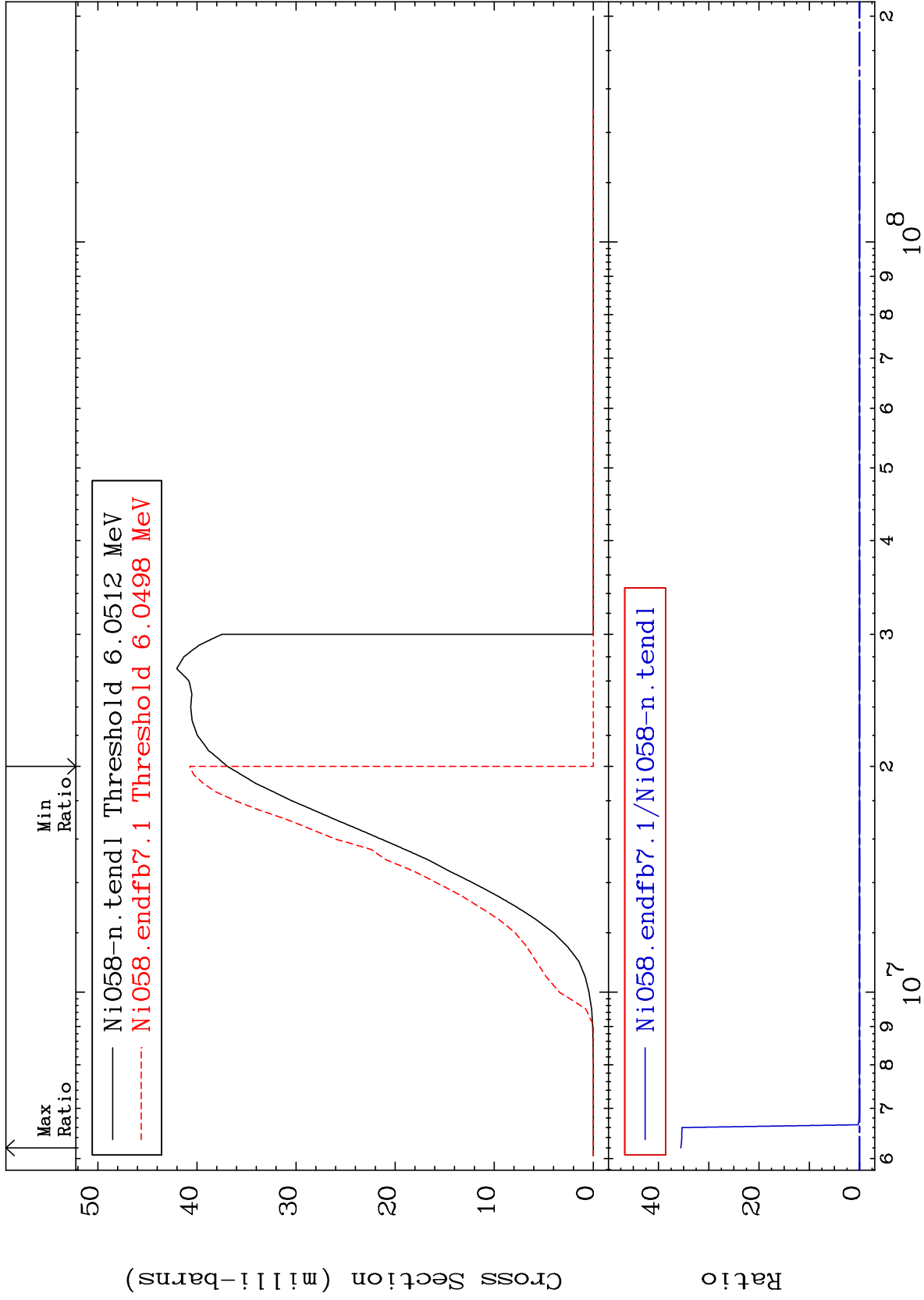
MAT 2825

(n, d)

28-Ni-58

Cross Section

-100.0 To 9999. %



19

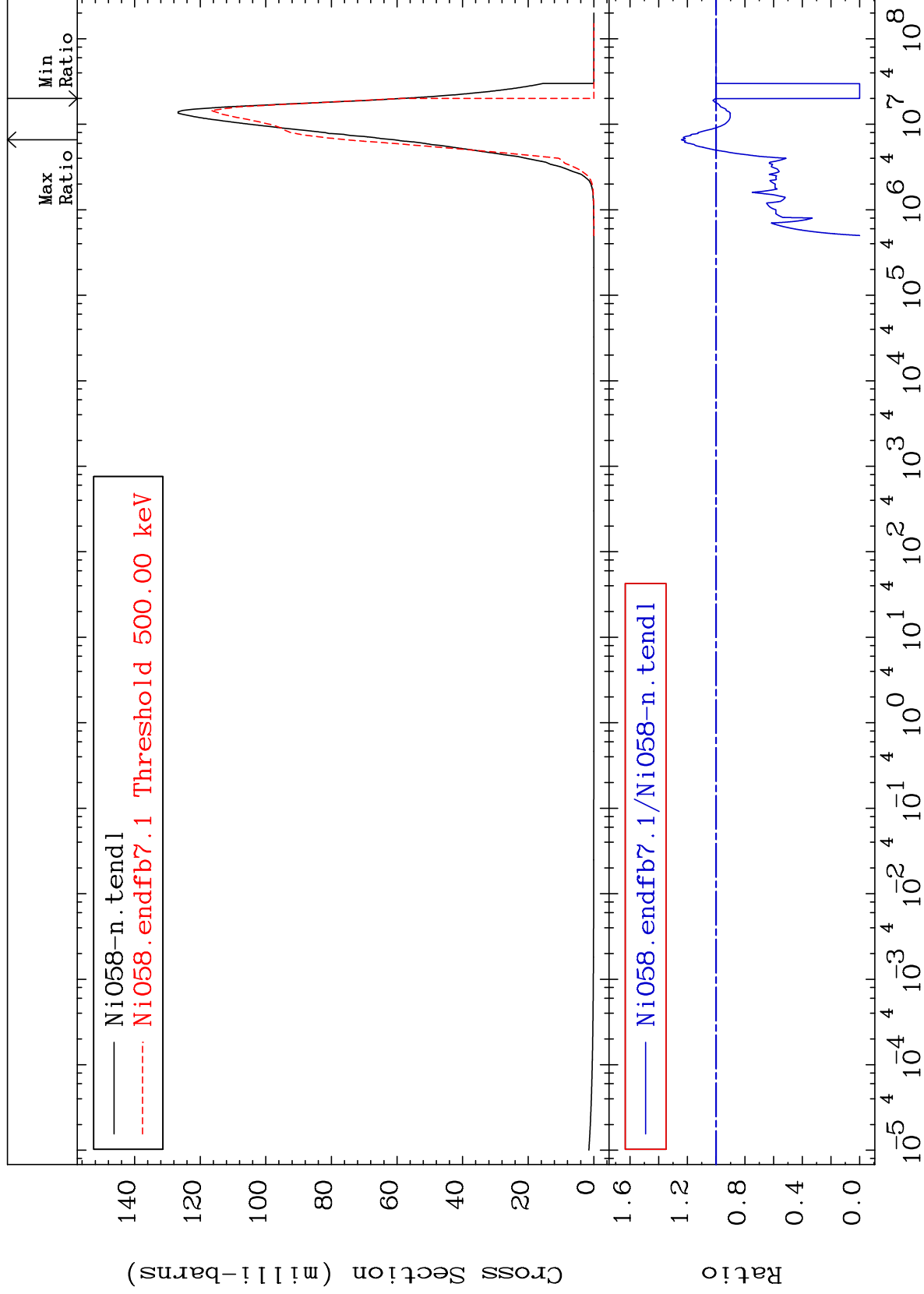
28-Ni-58

28-Ni-58

MAT 2825

(n, α)
Cross Section

28-Ni-58
-100.0 To 24.37 %



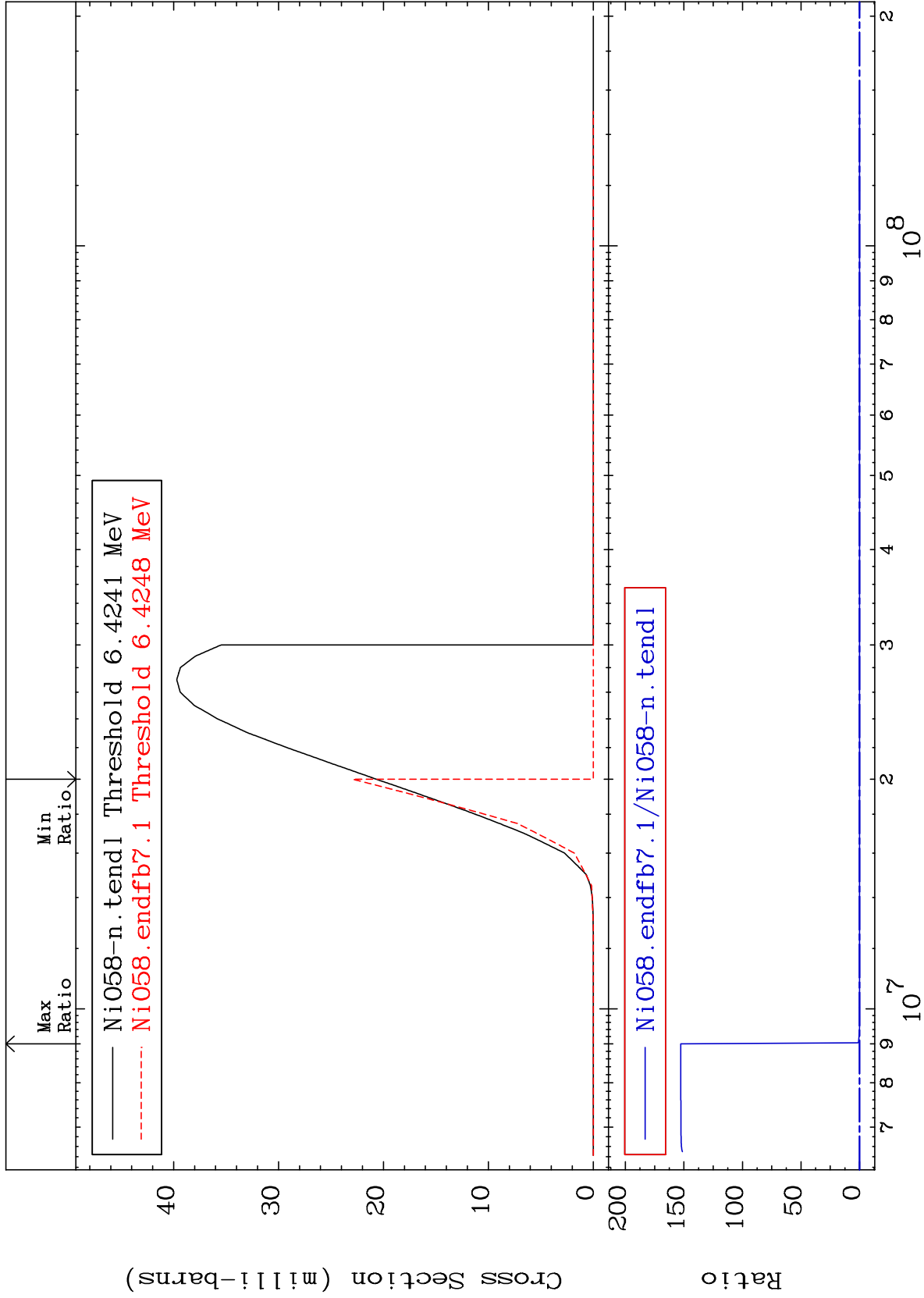
28-Ni-58

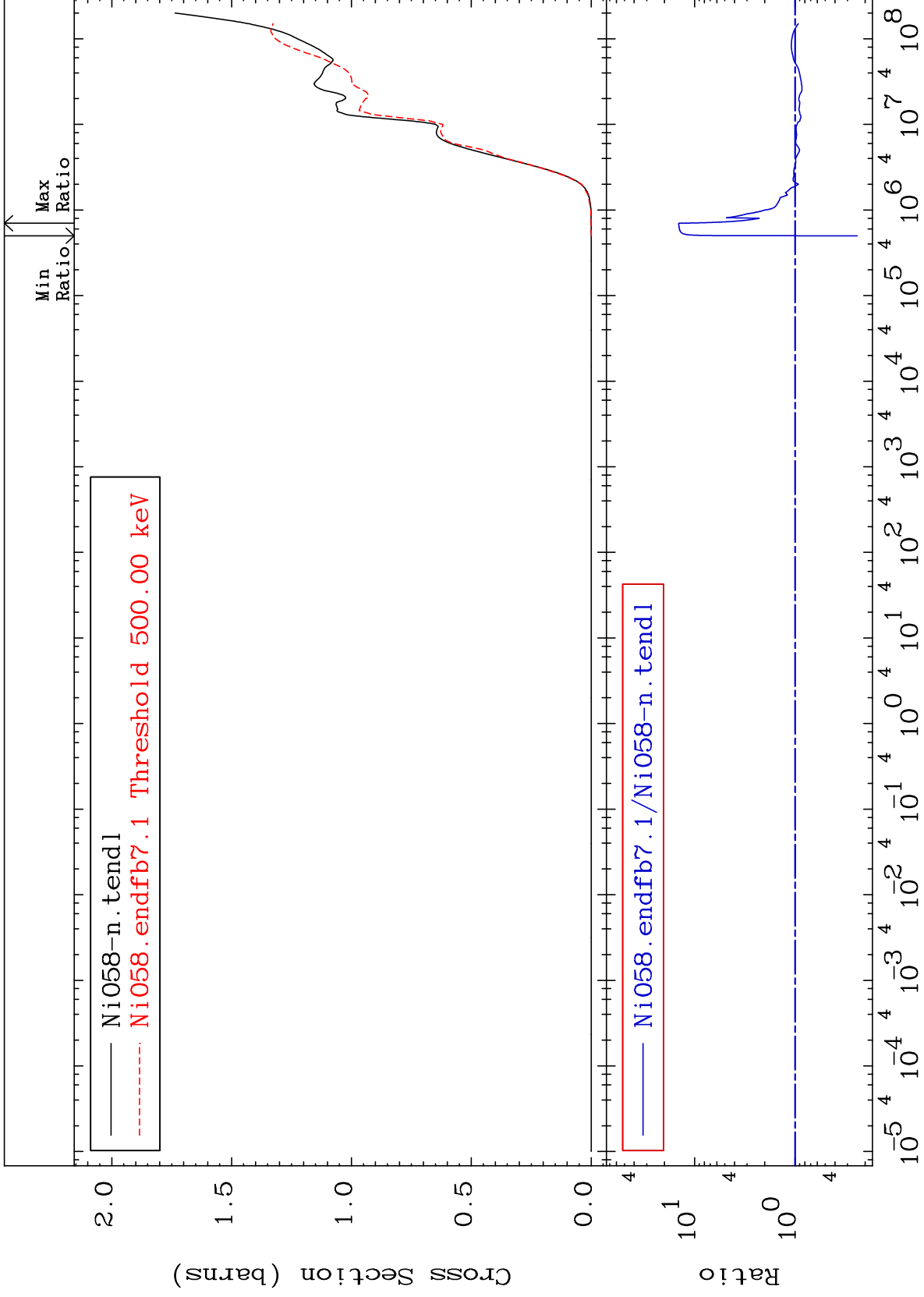
28-Ni-58

MAT 2825

(n, p) α
Cross Section

28-Ni-58
-100.0 To 9999. %

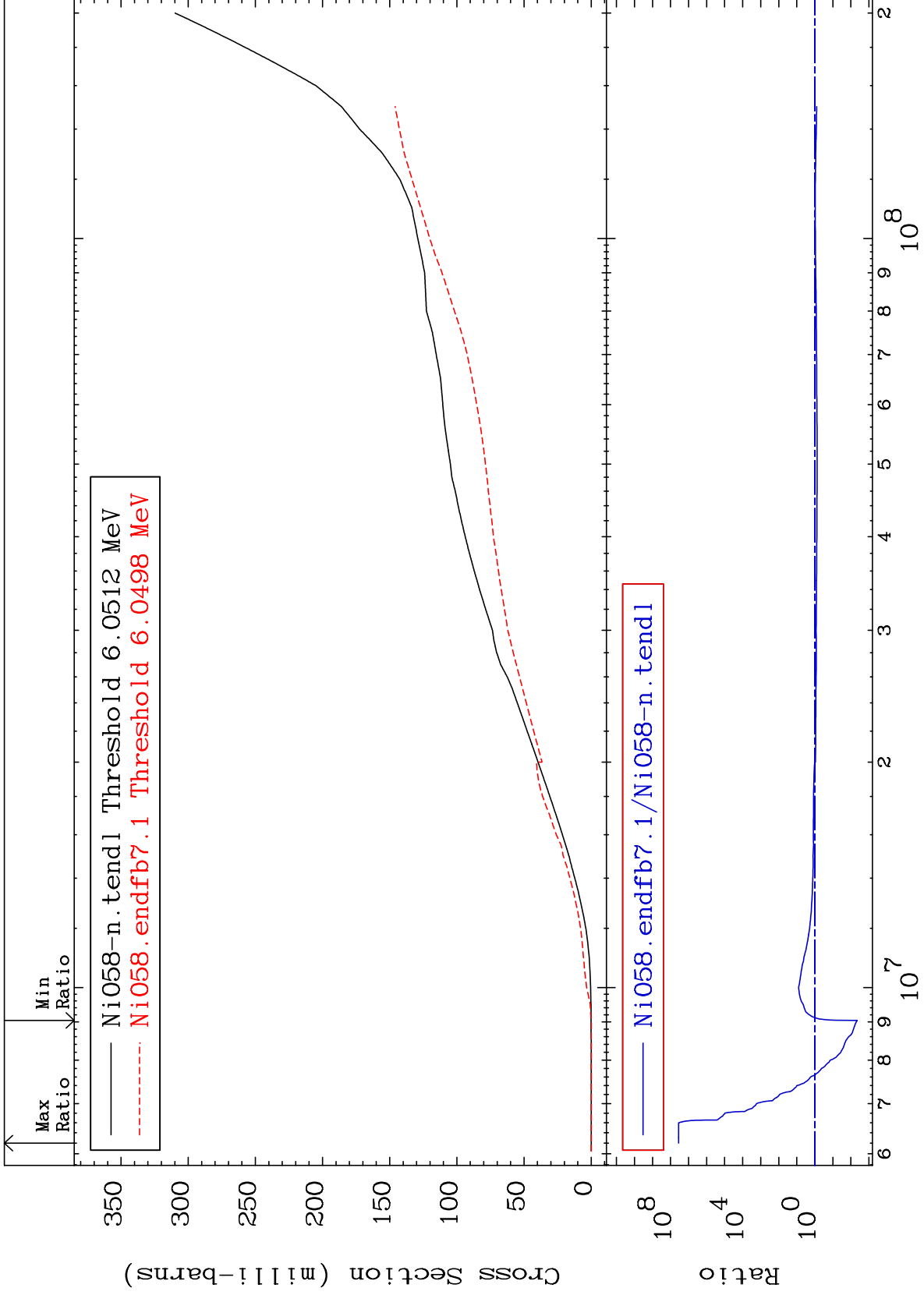




MAT 2825

Deuterium Production
Cross Section

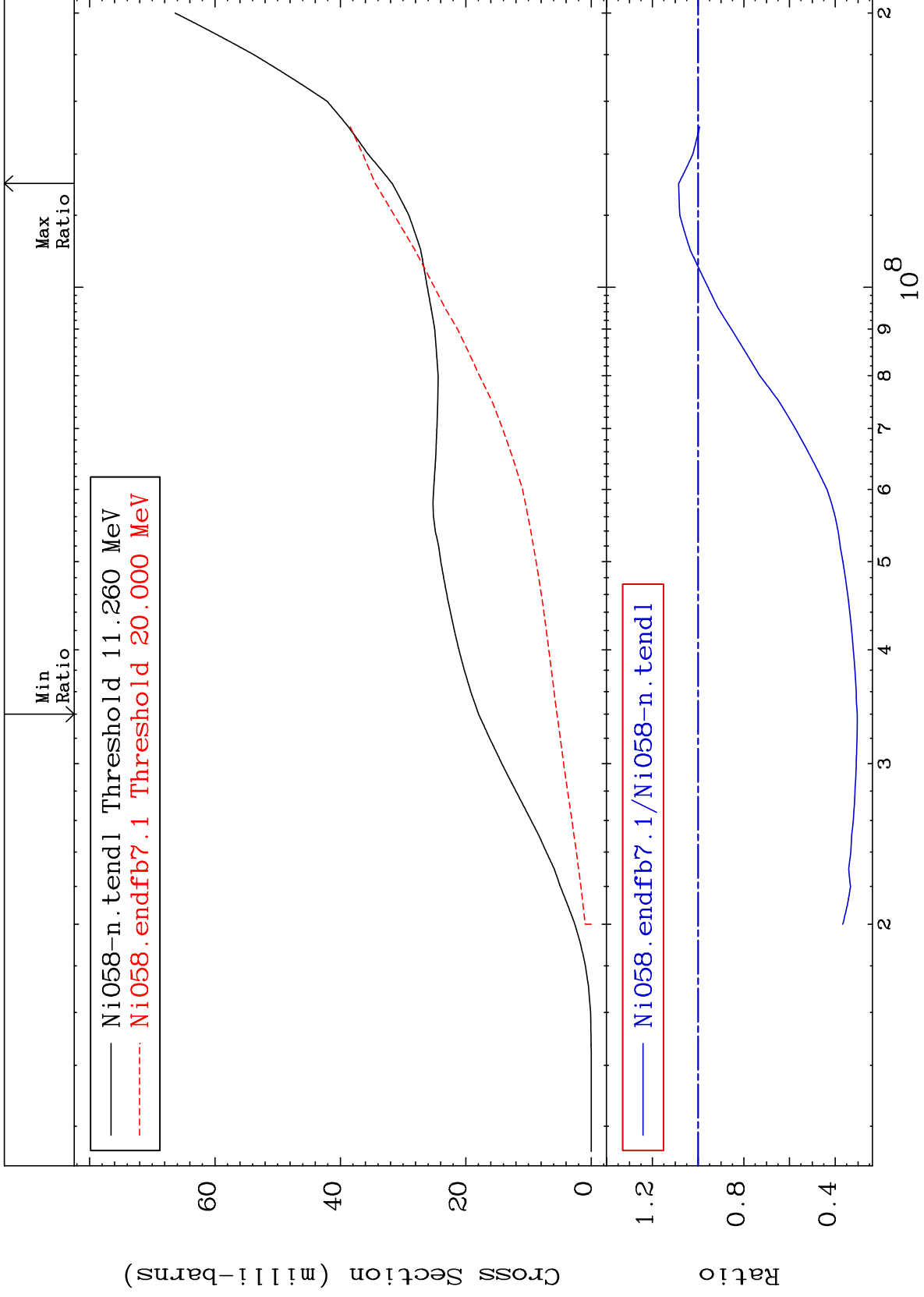
28-Ni-58
-99.56 To 9999. %



MAT 2825

Tritium Production
Cross Section

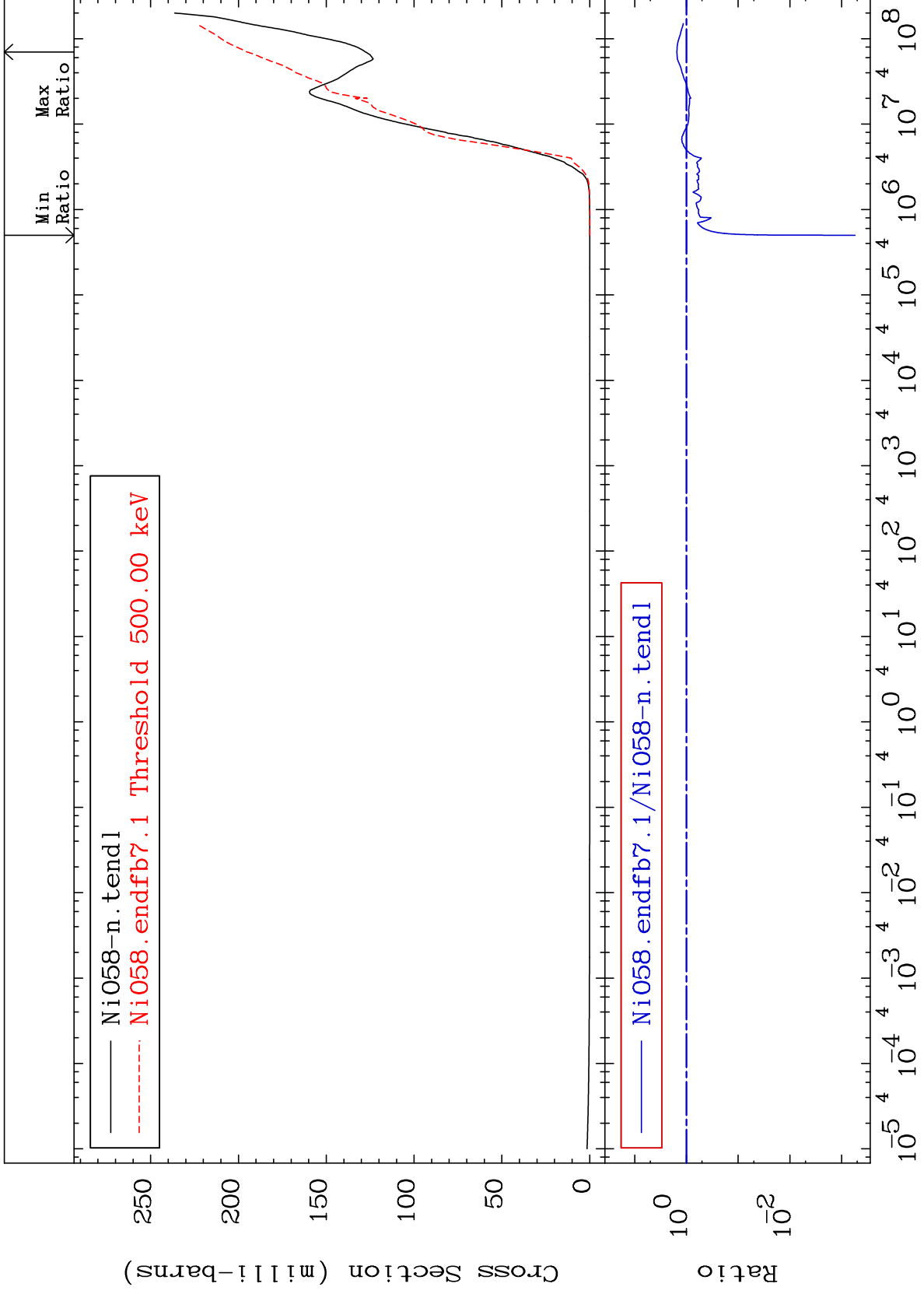
28-Ni-58
-69.65 To 8.522 %



MAT 2825

He-4 Production
Cross Section

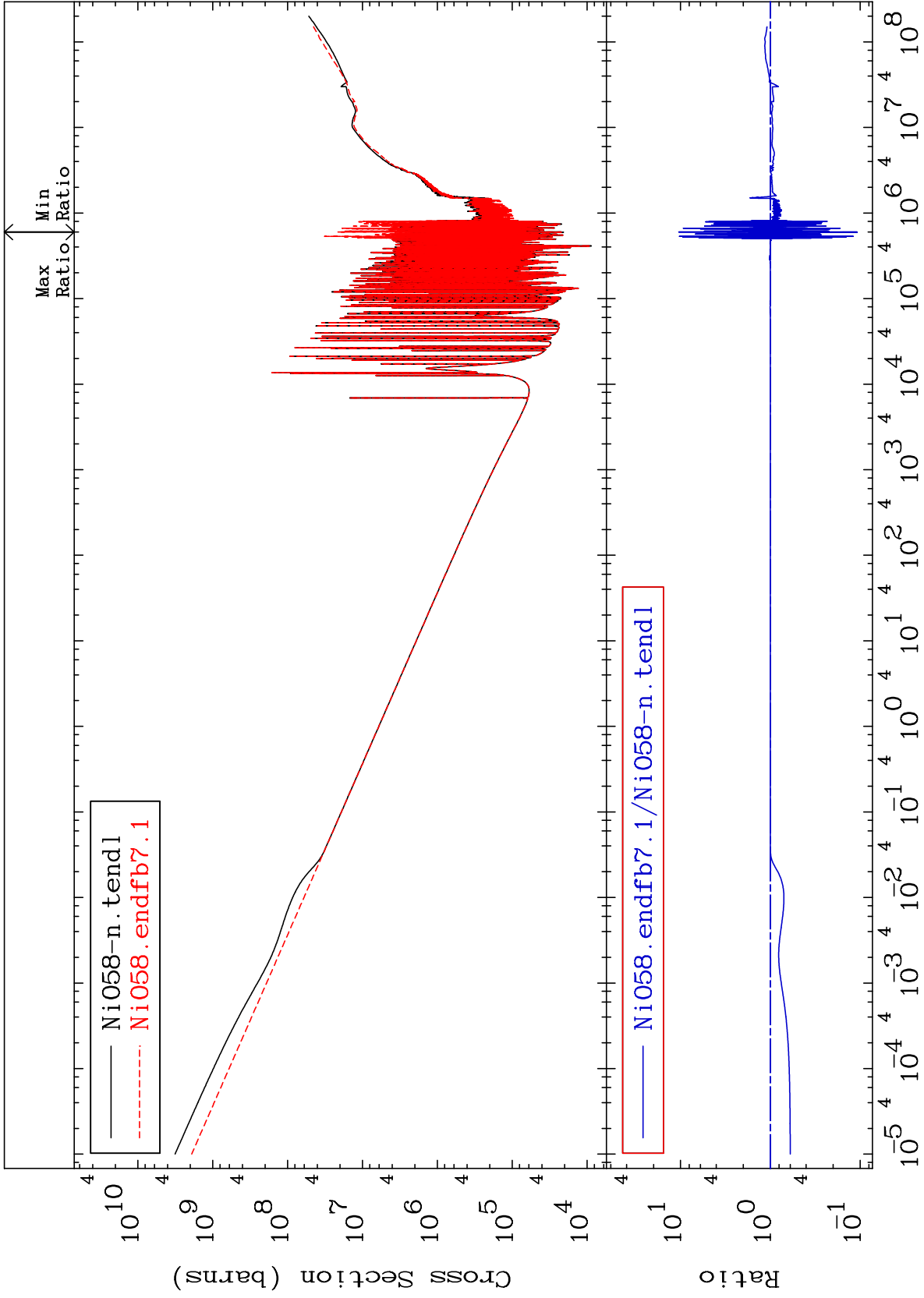
28-Ni-58
-99.95 To 52.88 %

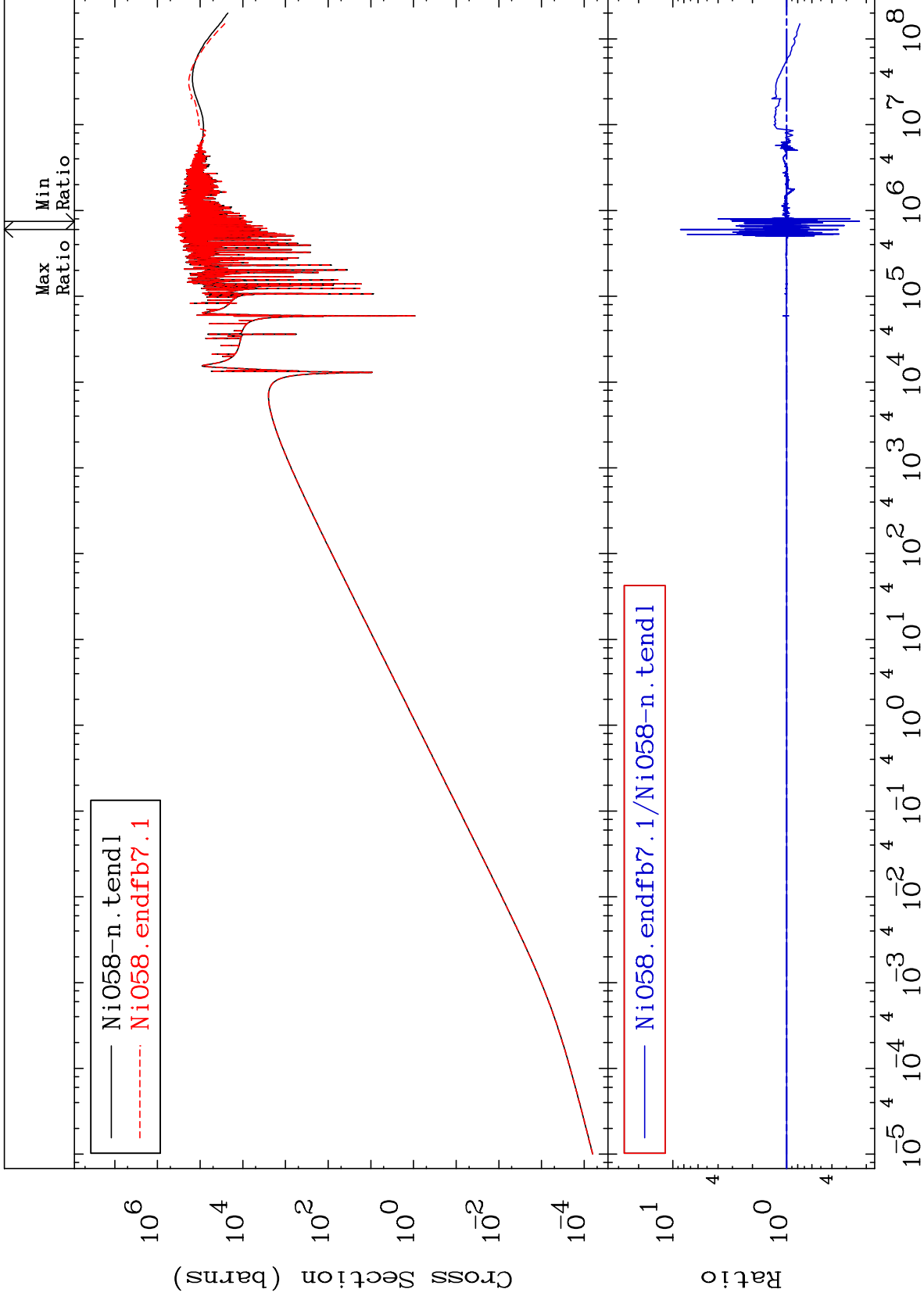


25

Incident Energy (eV)

28-Ni-58

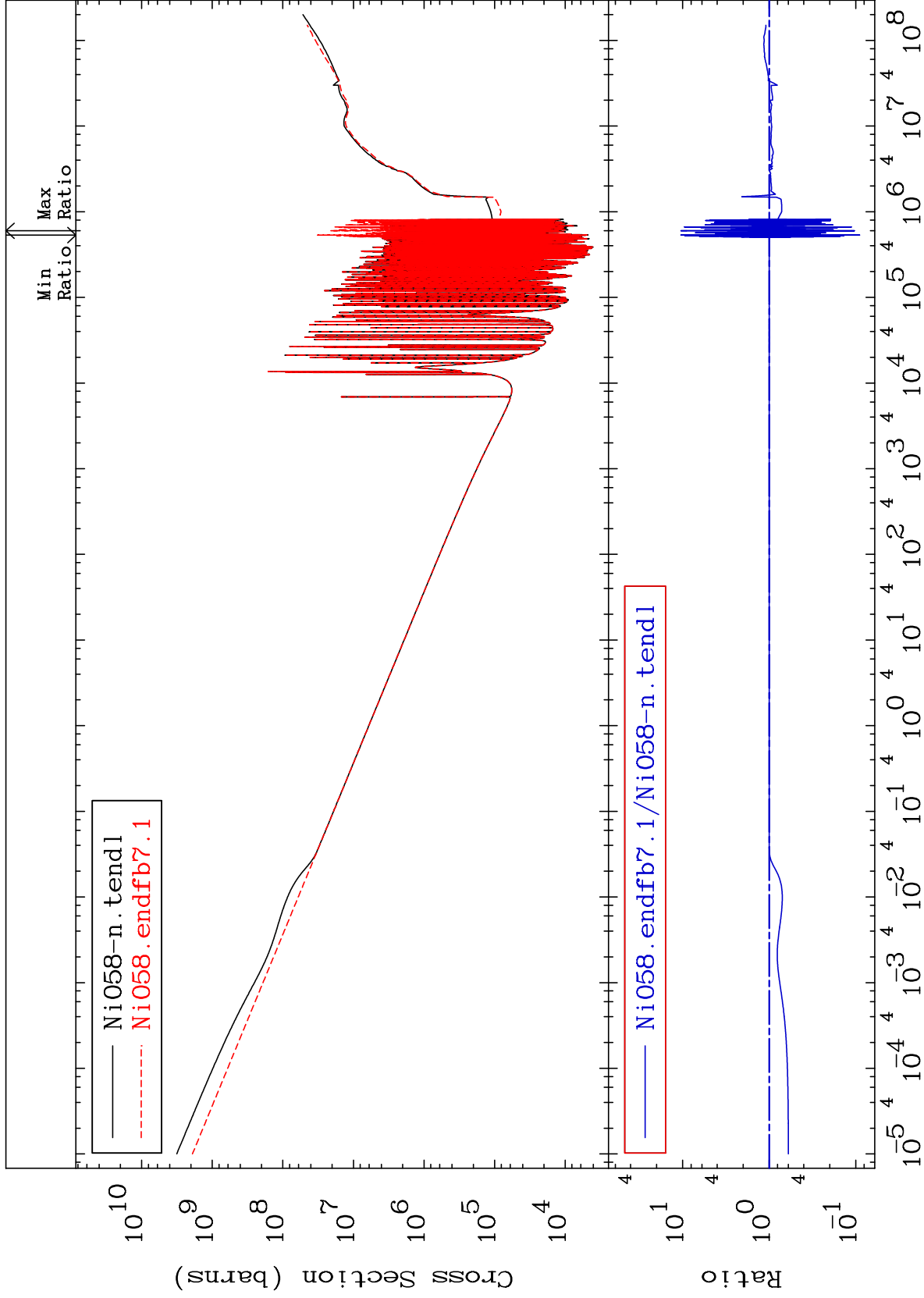




MAT 2825

Kerma non-elastic (all but mt2)
Cross Section

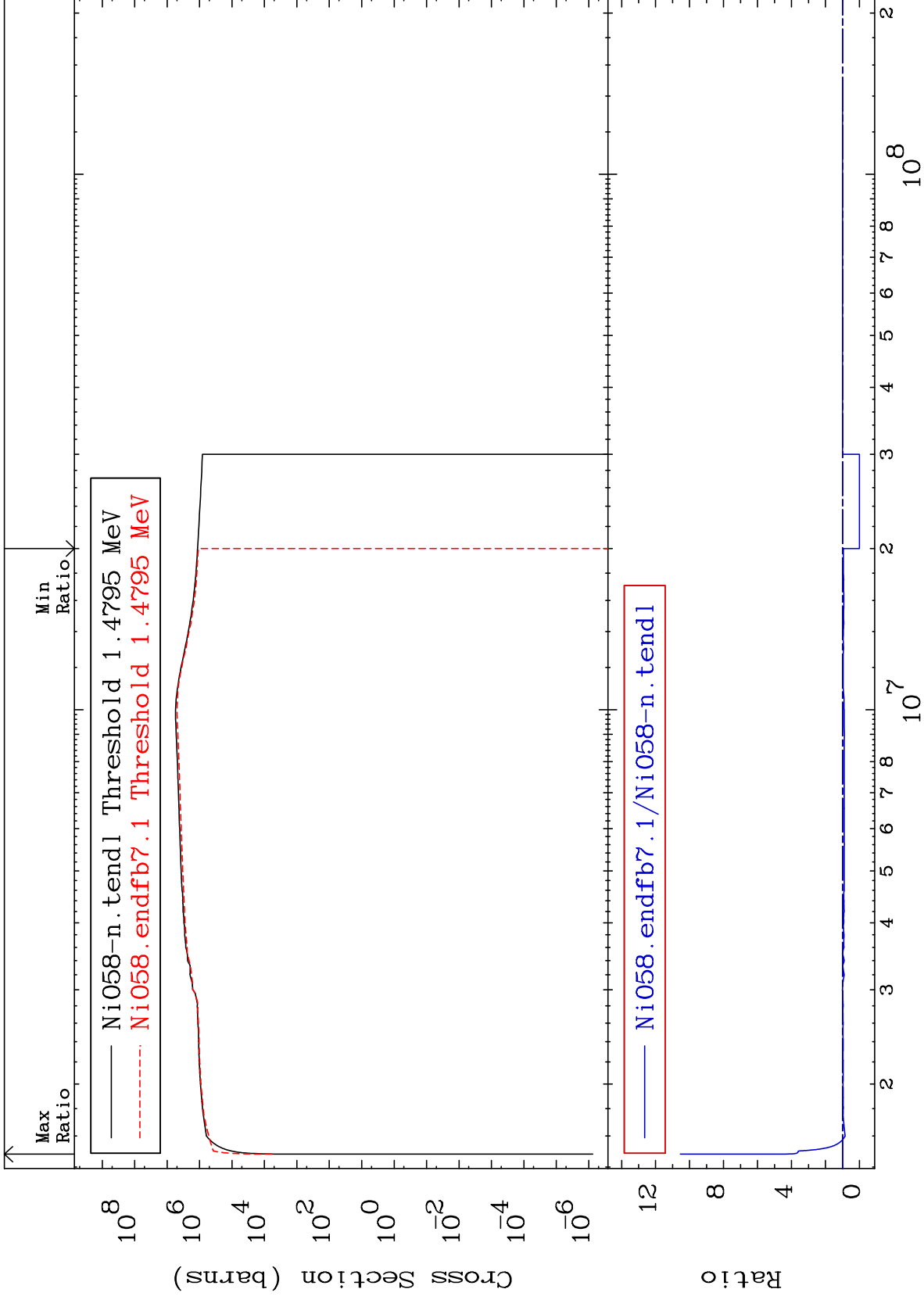
28-Ni-58
-90.96 To 952.2 %



28

Incident Energy (eV)

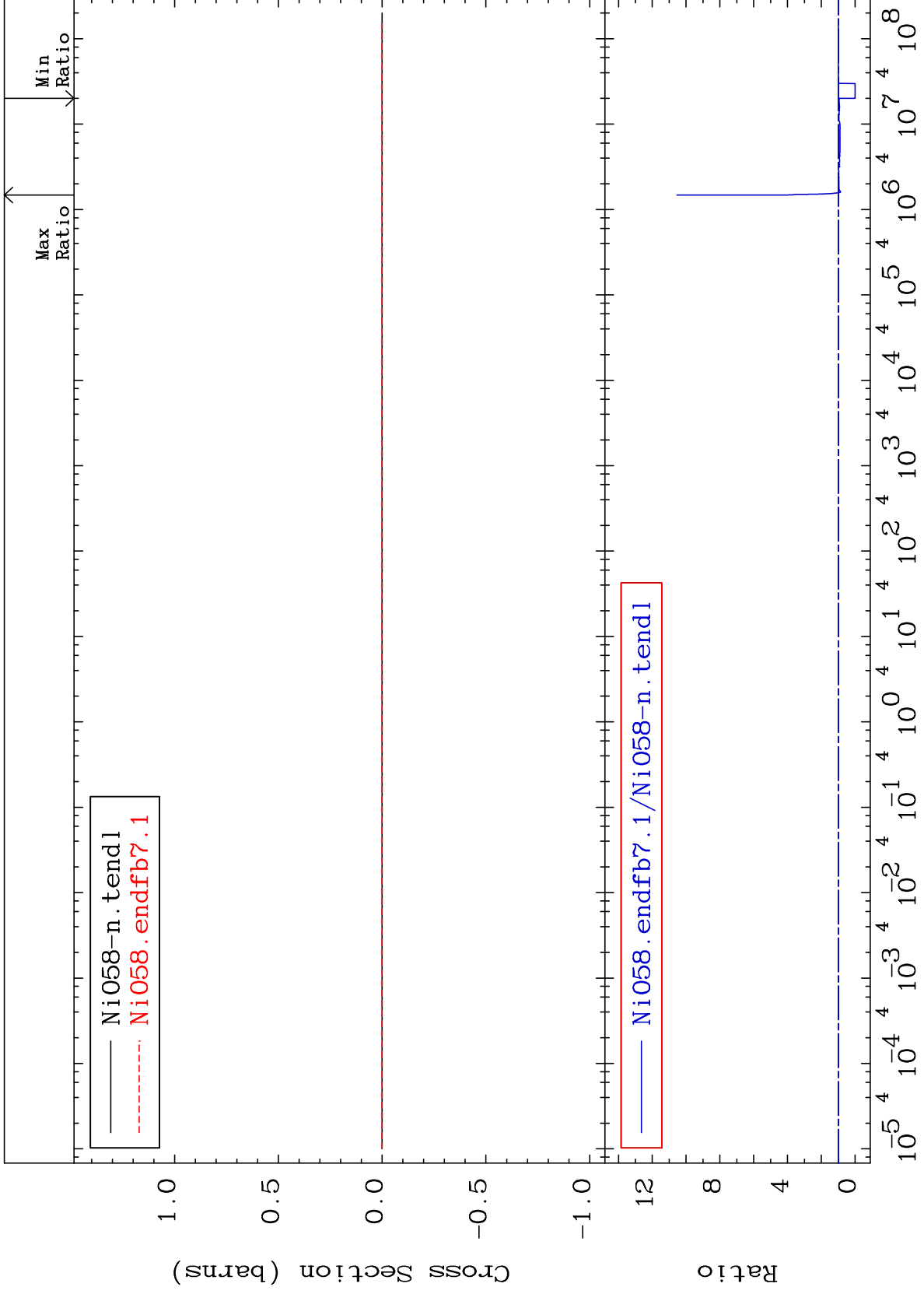
28-Ni-58



MAT 2825

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

28-Ni-58
-100.0 To 954.2 %



30

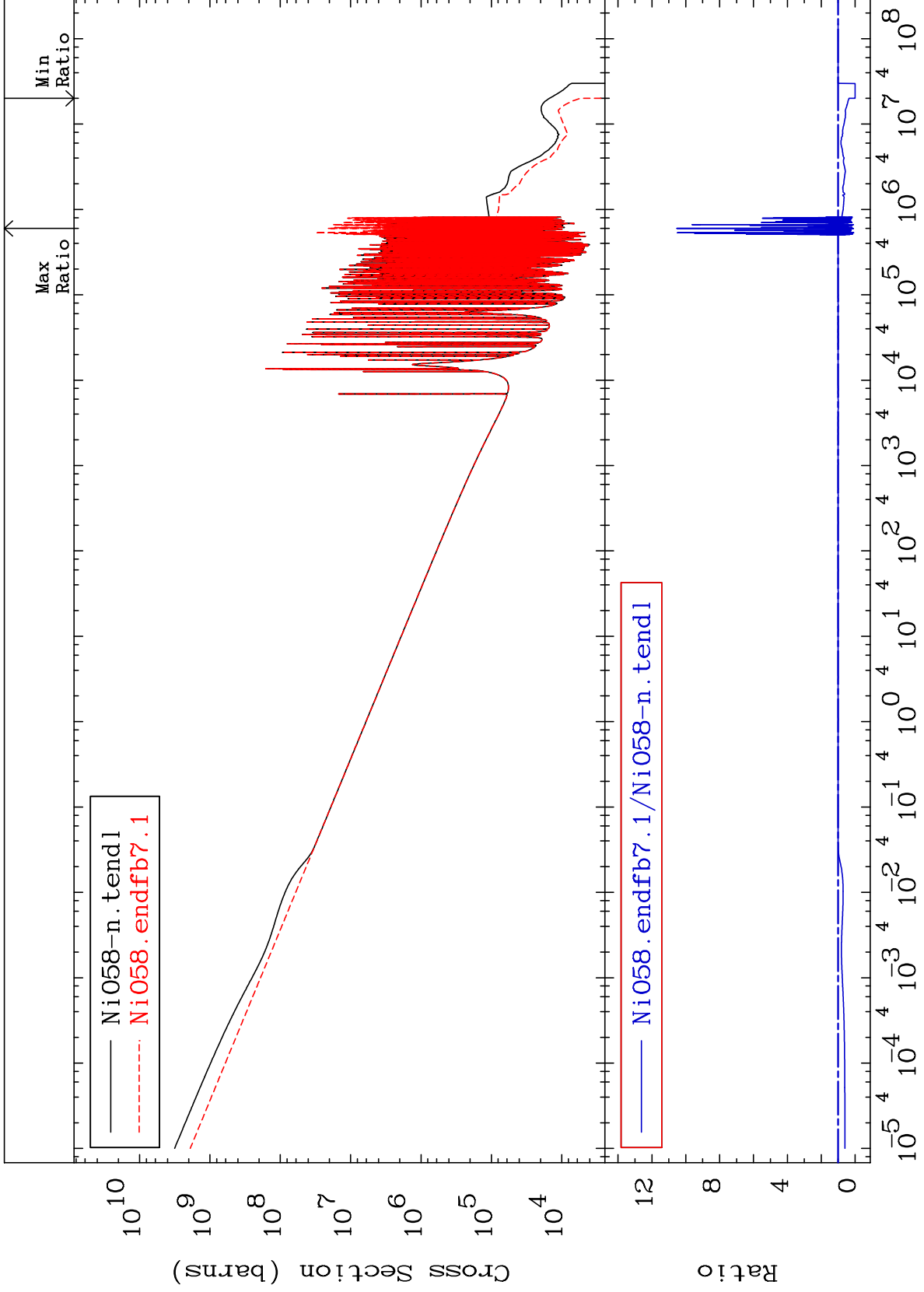
Incident Energy (eV)

28-Ni-58

MAT 2825

Kerma capture (mt102)
Cross Section

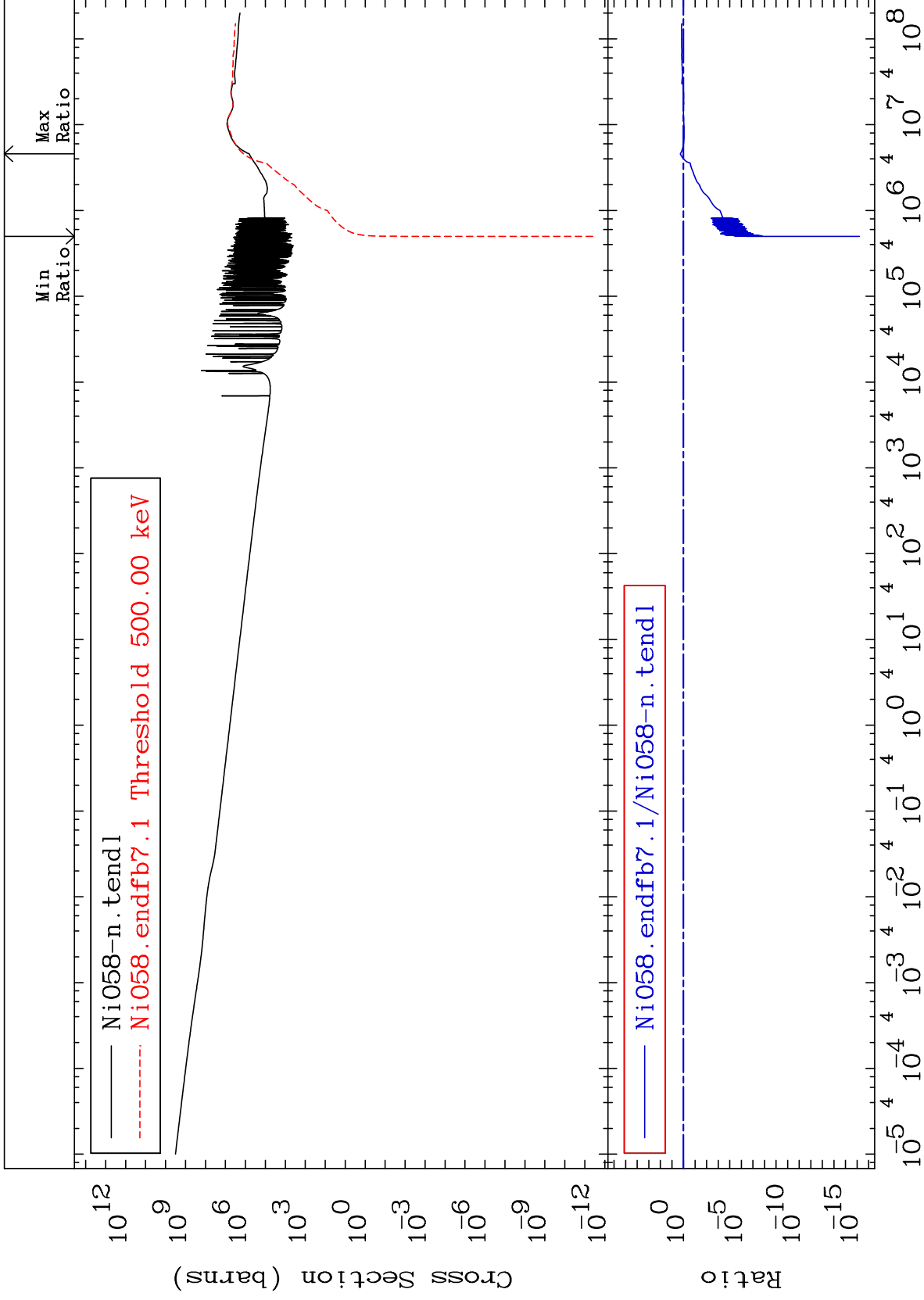
28-Ni-58
-100.0 To 952.2 %



31

Incident Energy (eV)

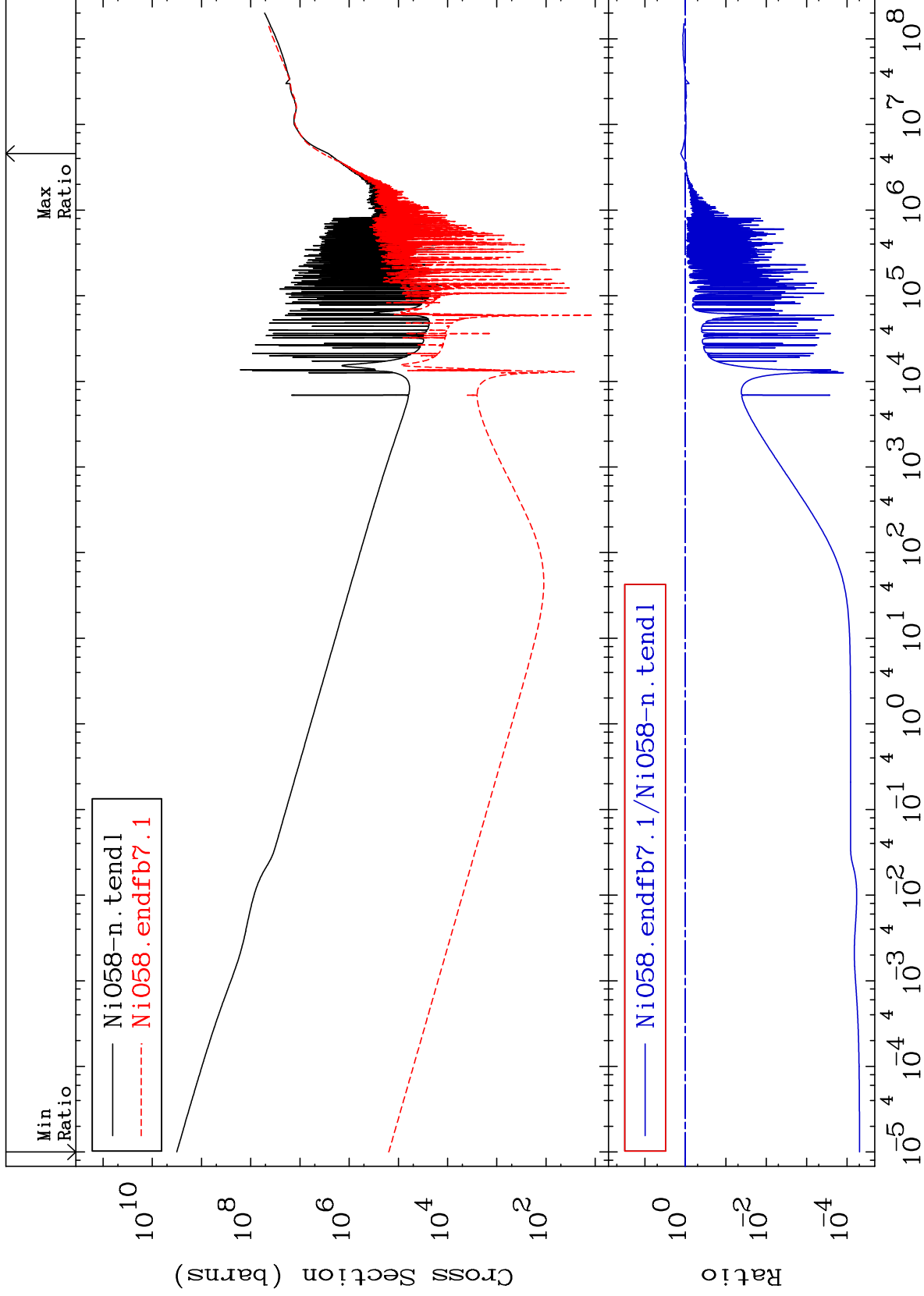
28-Ni-58



MAT 2825

Total kinematic kerma (high limit)
Cross Section

28-Ni-58
-100.0 To 30.17 %



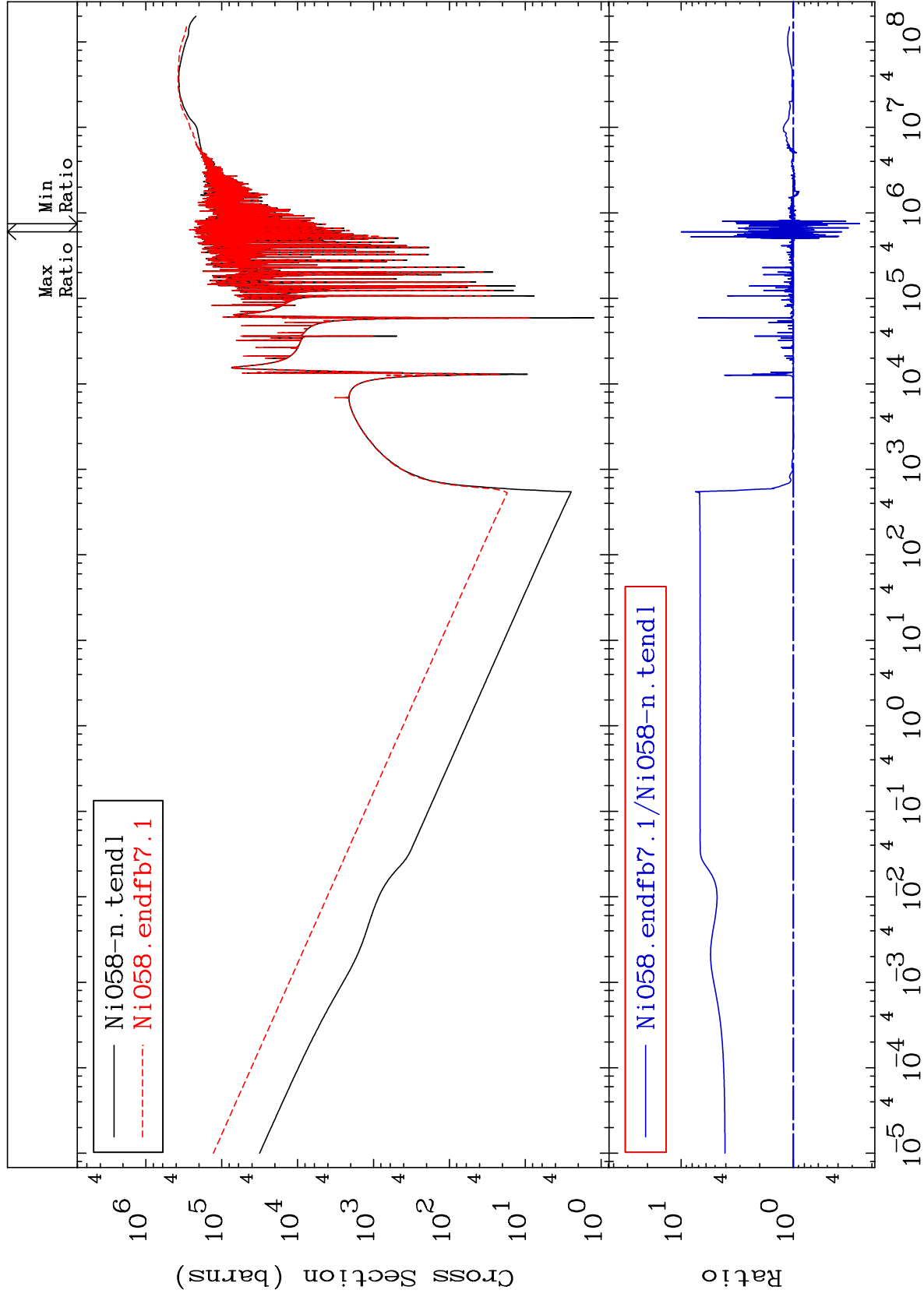
MAT 2825

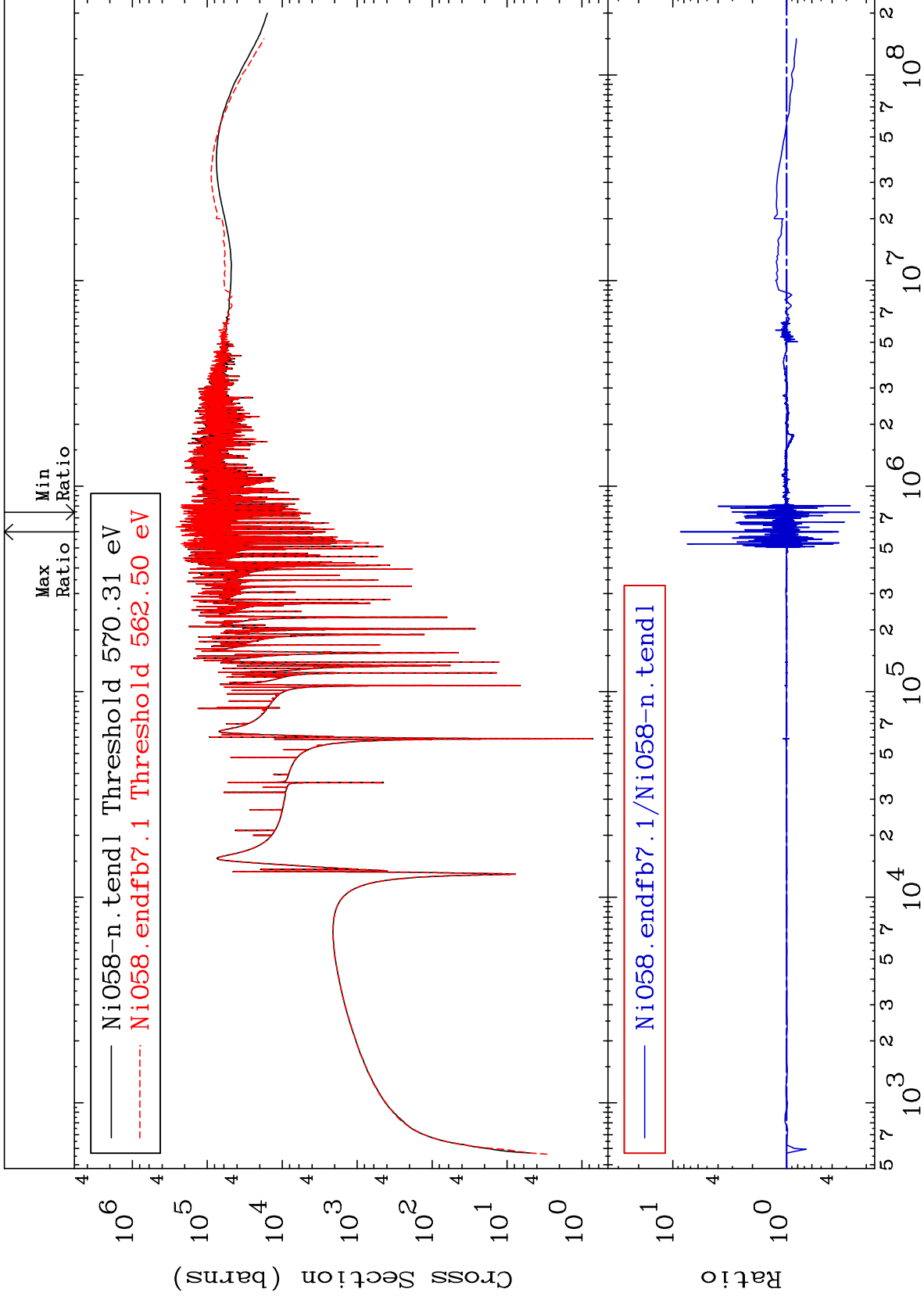
Dpa total (eV-barns)

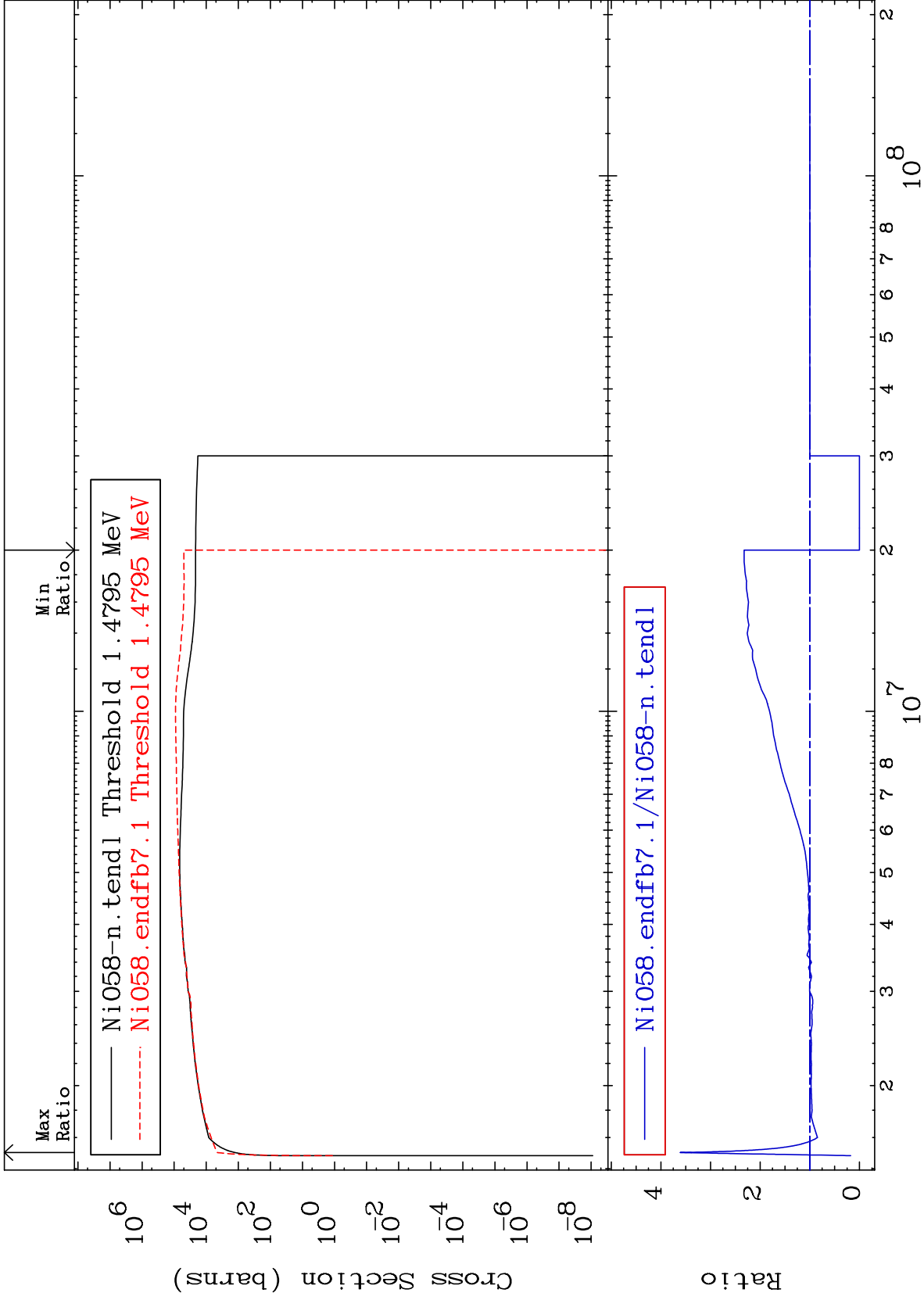
28-Ni-58

Cross Section

-74.32 To 900.2 %



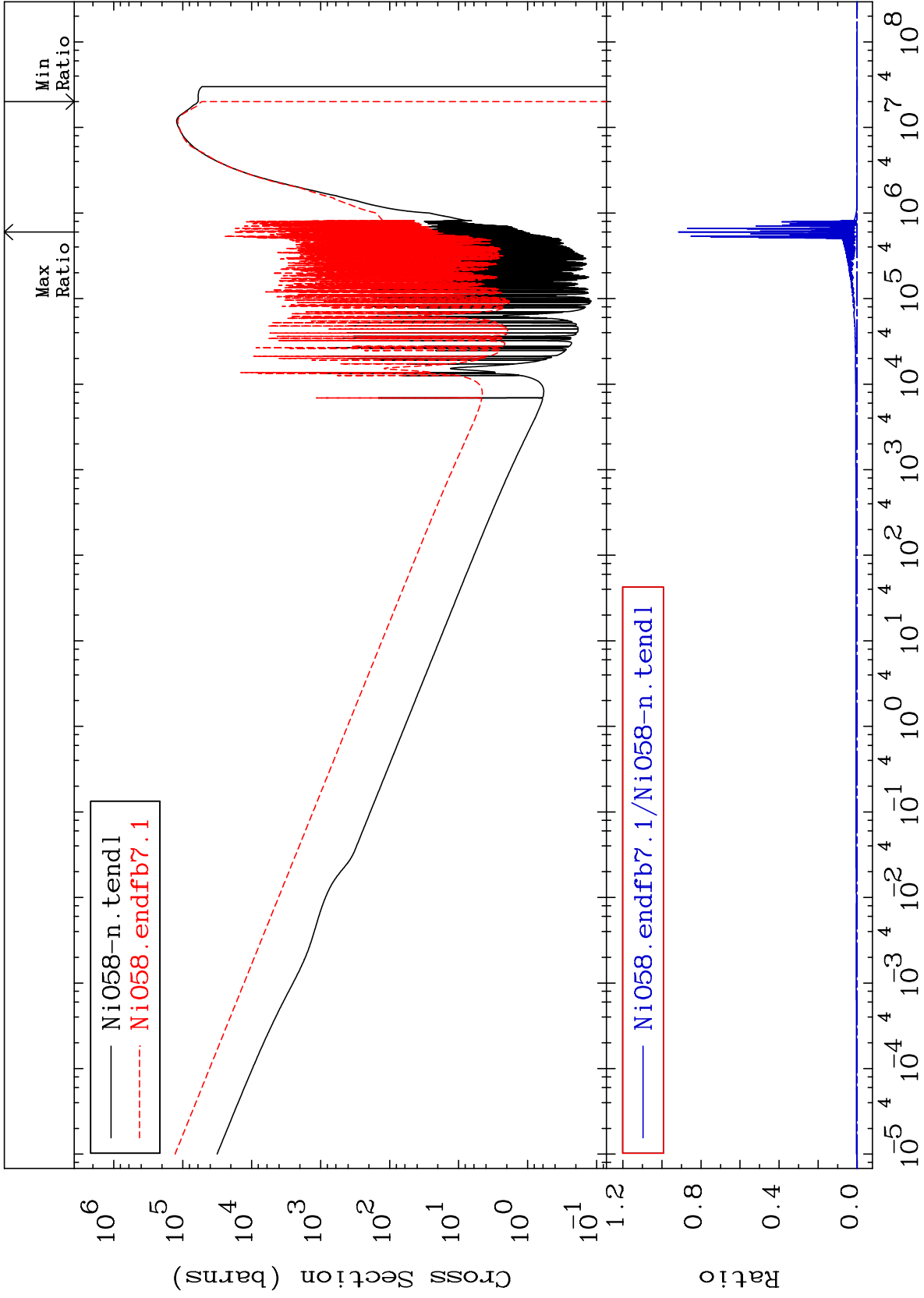




MAT 2825

Dpa disappearance (mt102 -120)
Cross Section

28-Ni-58
-100.0 To 9999. %



37

Incident Energy (eV)

28-Ni-58