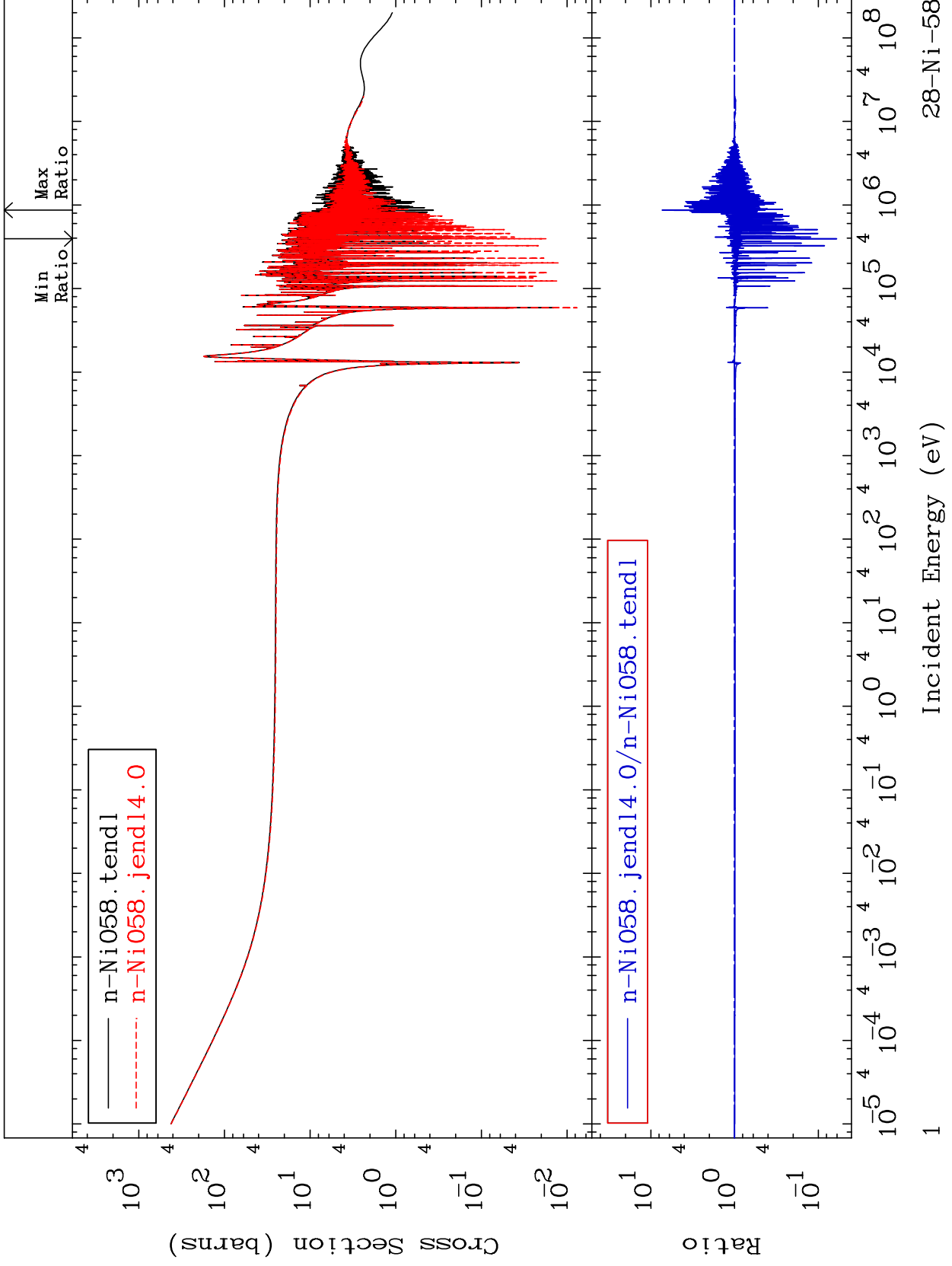


MAT 2825

Total
Cross Section

28-Ni-58
-93.94 To 628.9 %



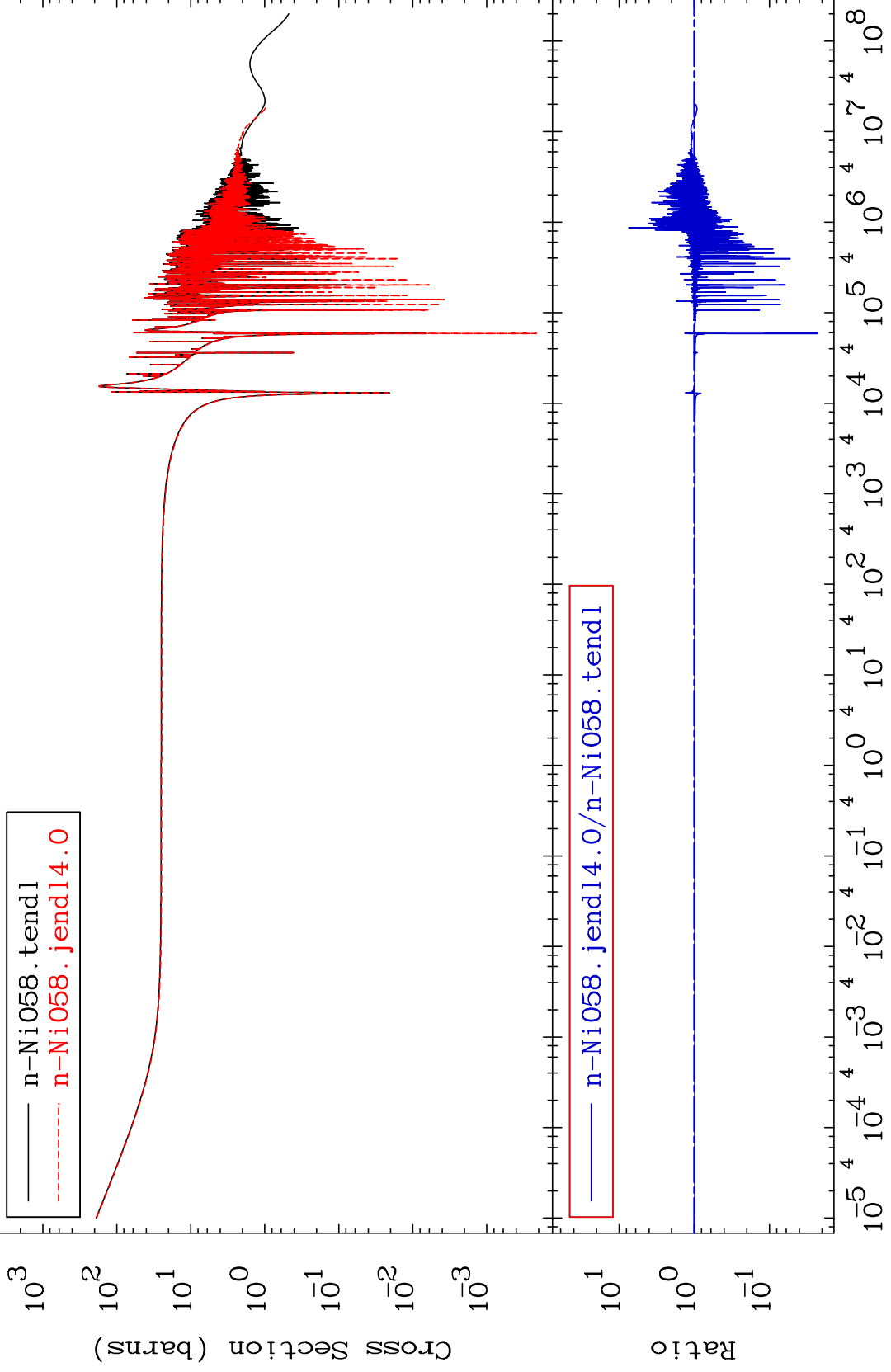
28-Ni-58

Incident Energy (eV)

MAT 2825

Elastic
Cross Section

28-Ni-58
-97.73 To 640.0 %



Incident Energy (eV)

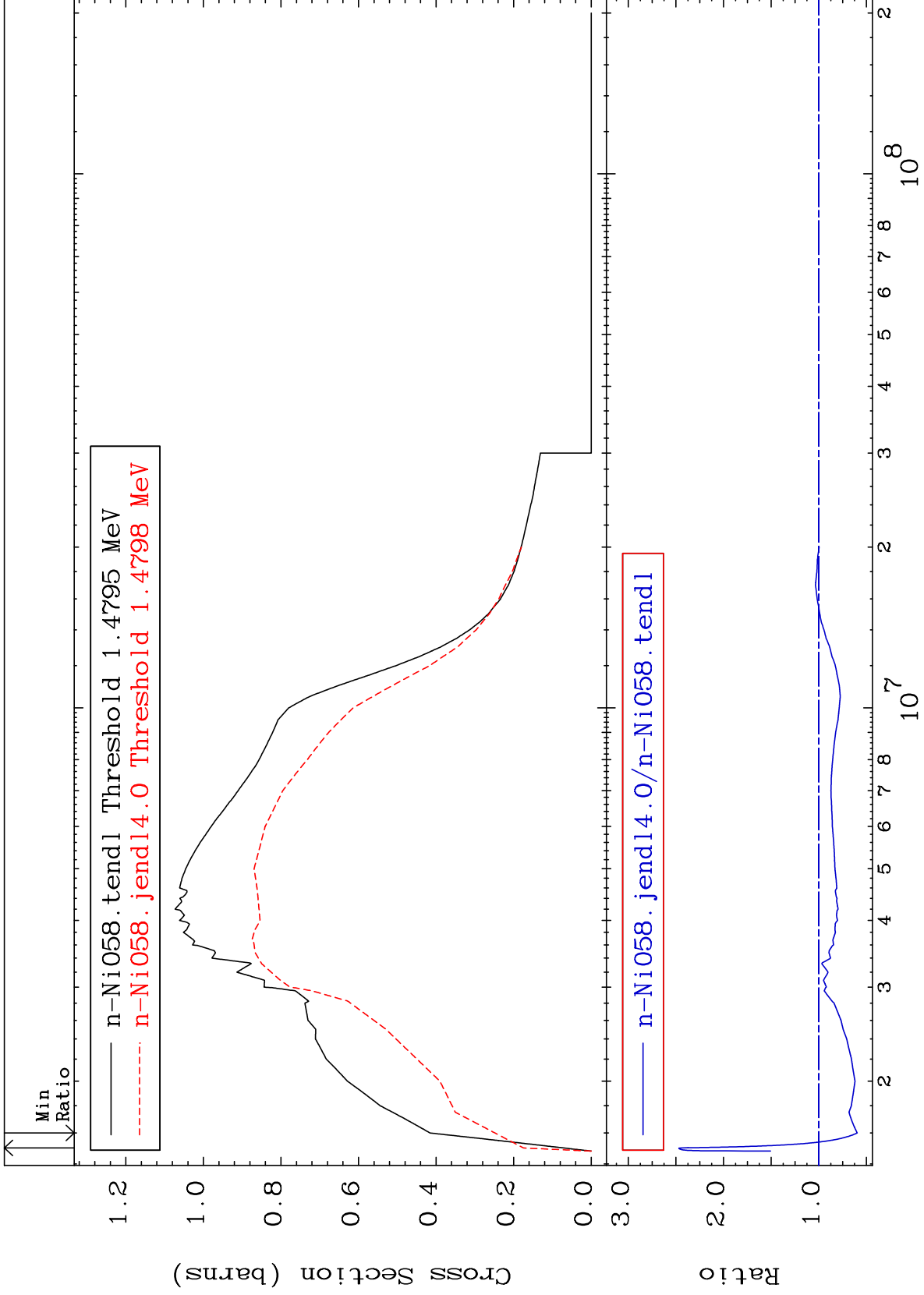
28-Ni-58

2

MAT 2825

Inelastic
Cross Section

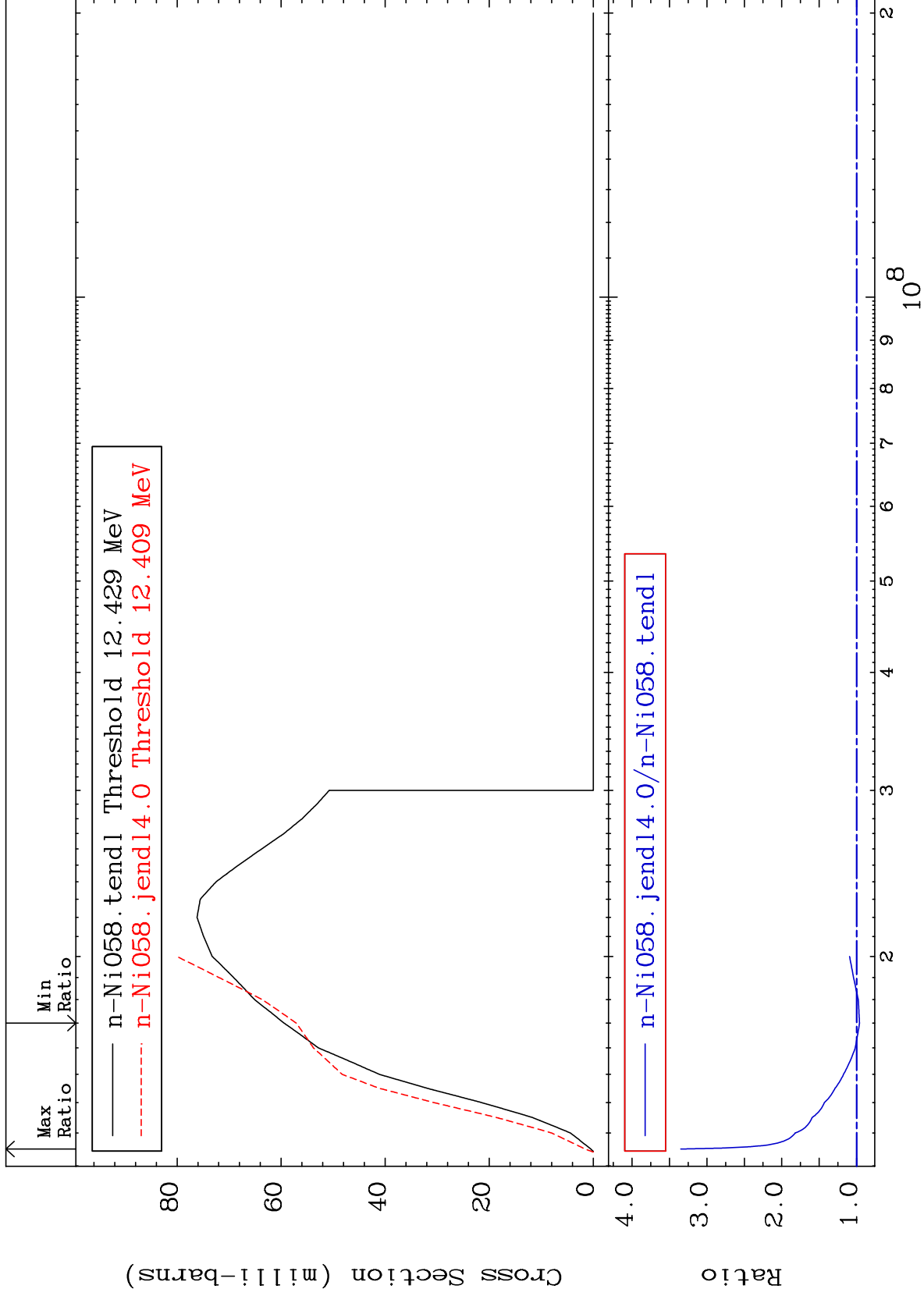
²⁸Ni-58
-40.29 To 147.2 %



MAT 2825

(n,2n)
Cross Section

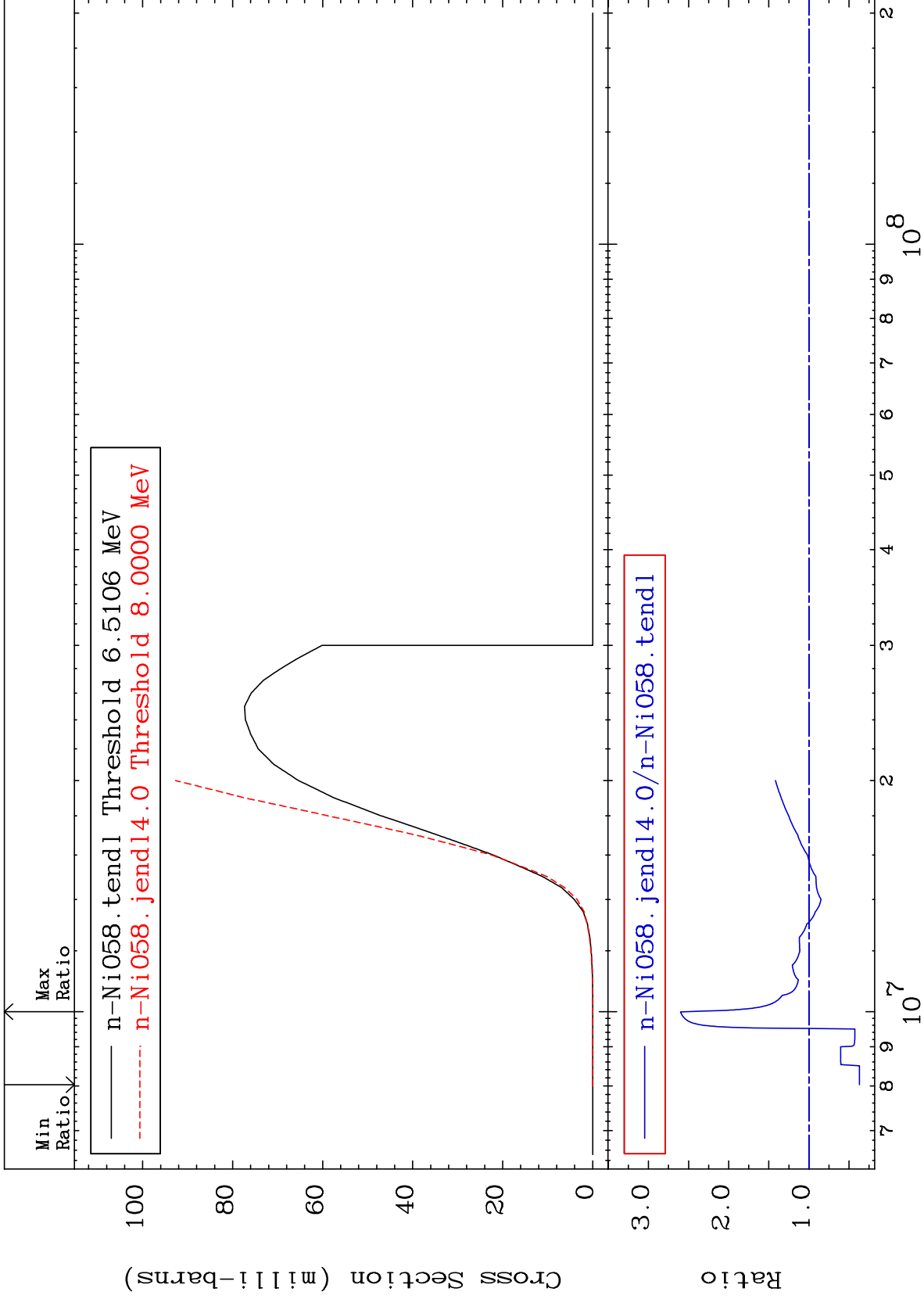
28-Ni-58
-3.947 To 234.9 %



MAT 2825

(n,n') α
Cross Section

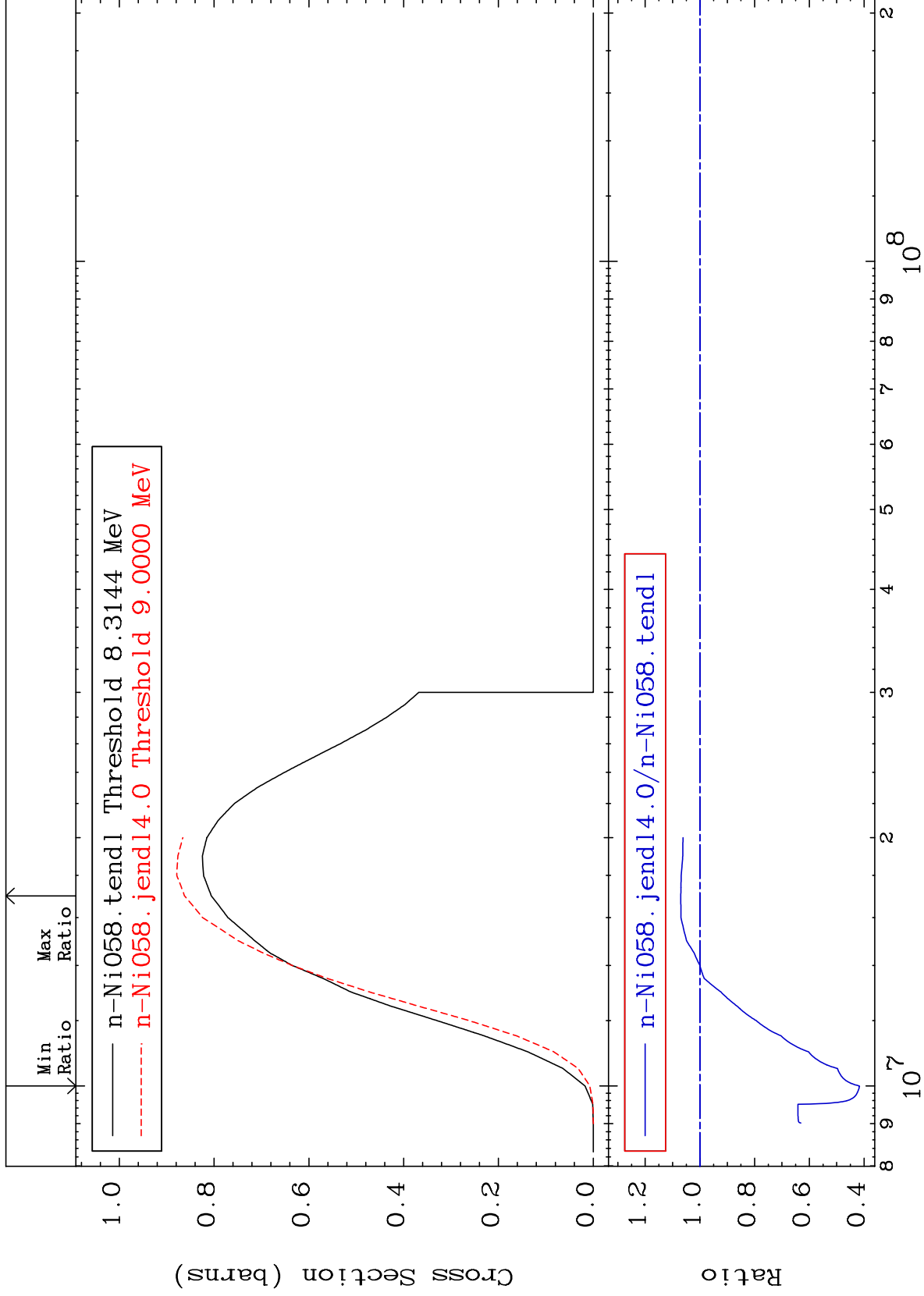
28-Ni-58
-62.98 To 160.2 %



MAT 2825

(n,n') p
Cross Section

28-Ni-58
-58.35 To 7.001 %



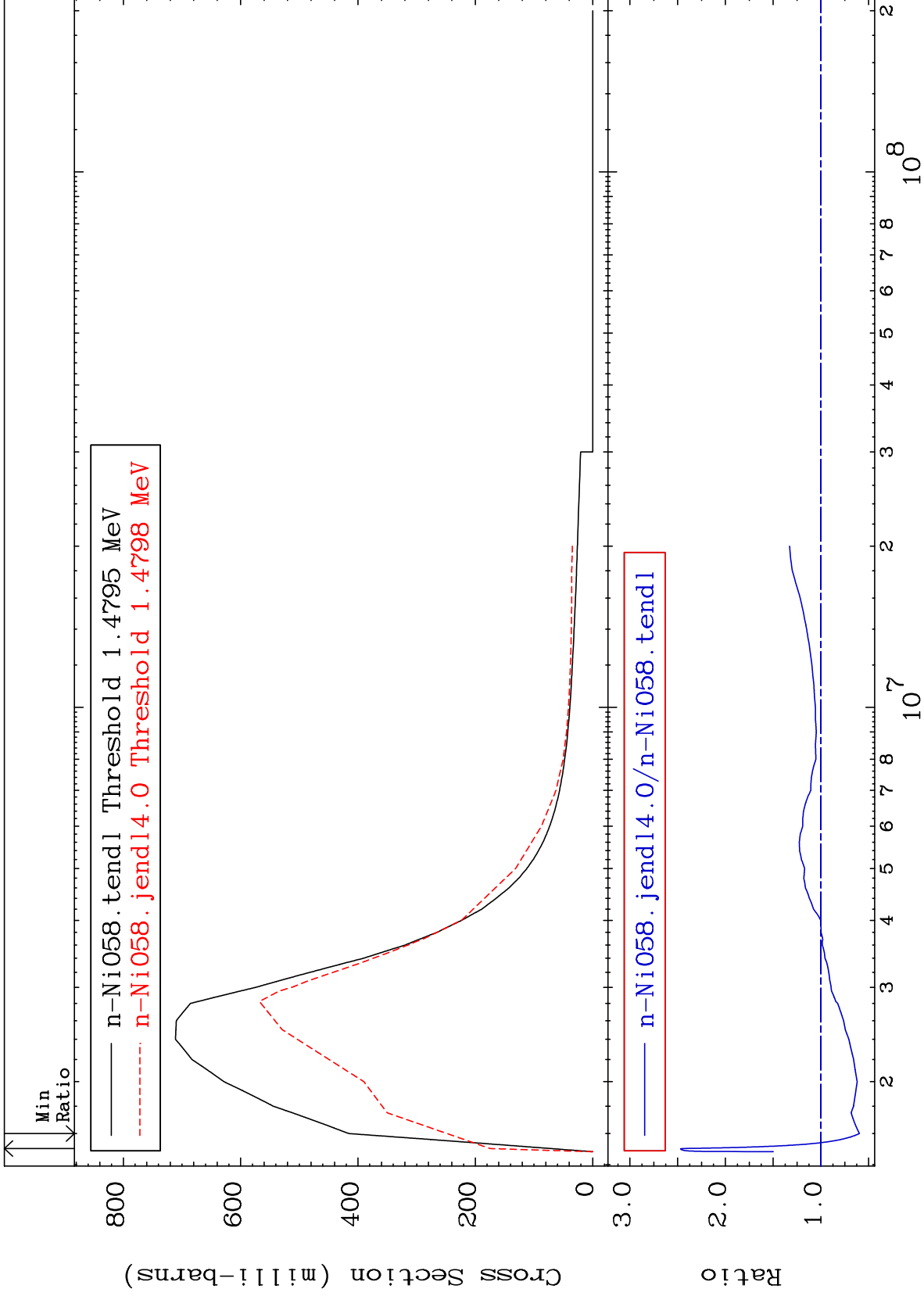
28-Ni-58

28-Ni-58

MAT 2825

MT= 51 (n,n') Level
Cross Section

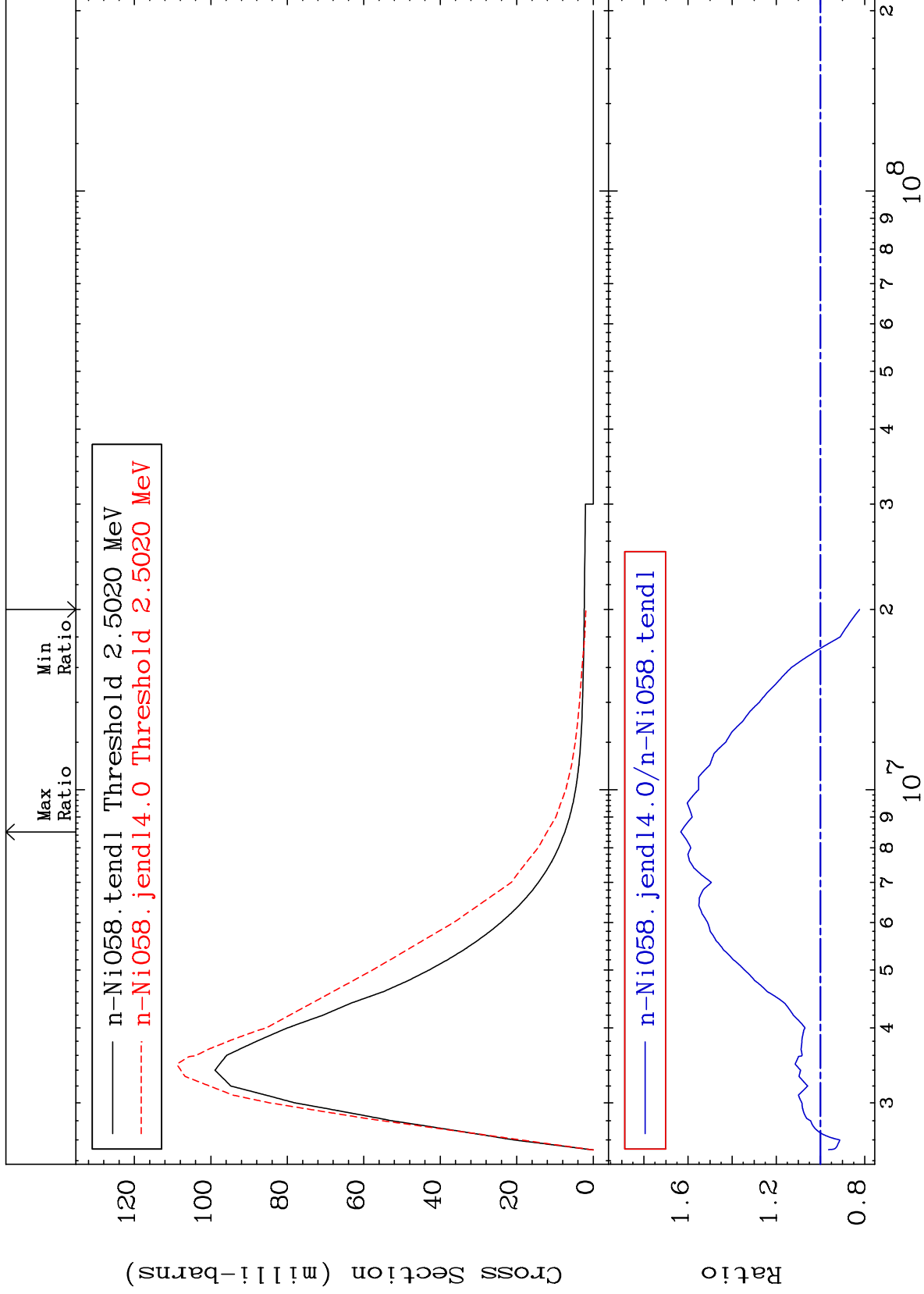
28-Ni-58
-40.29 To 147.2 %



MAT 2825

MT= 52 (n,n') Level
Cross Section

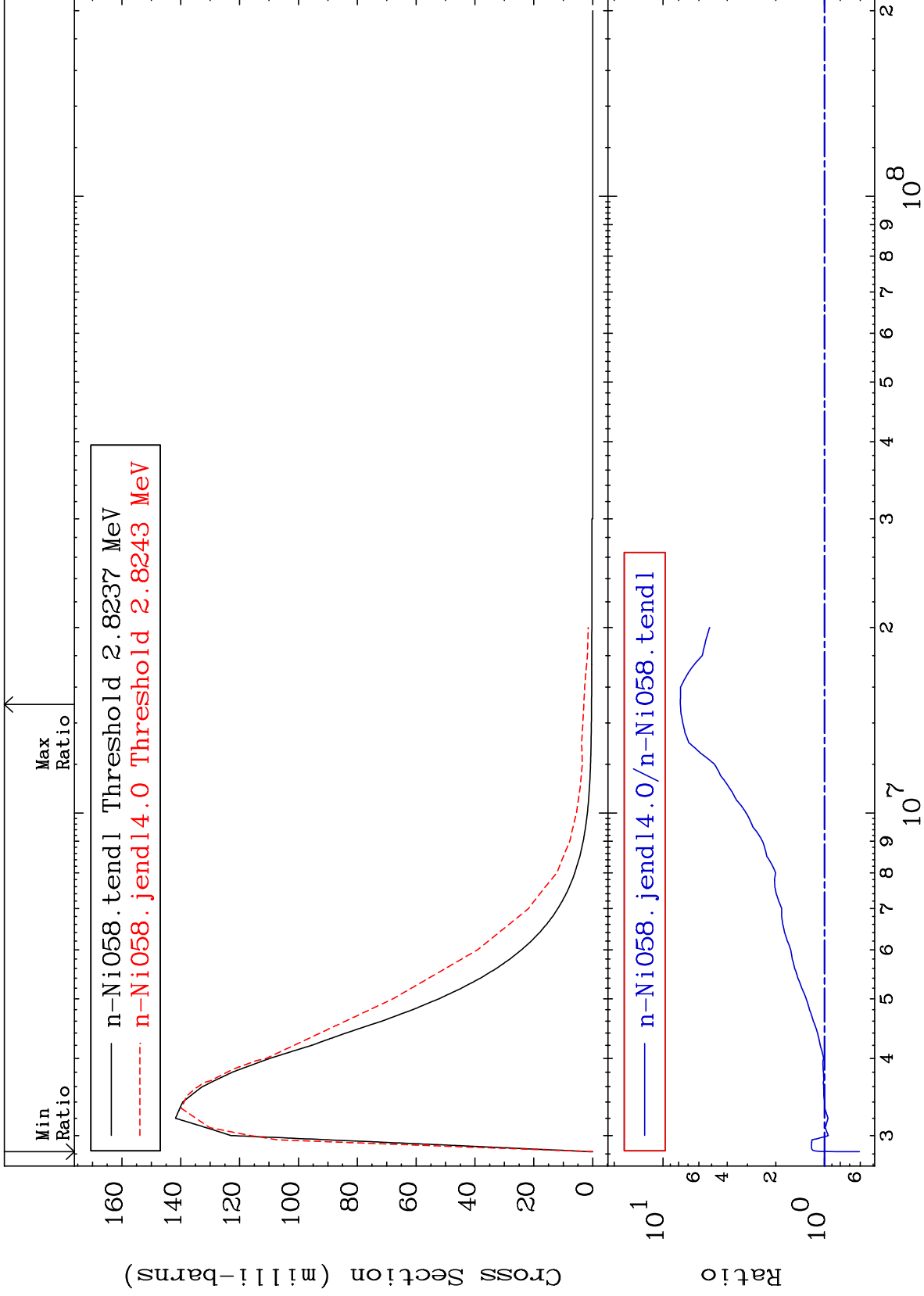
28-Ni-58
-17.68 To 63.26 %



MAT 2825

MT= 53 (n,n') Level
Cross Section

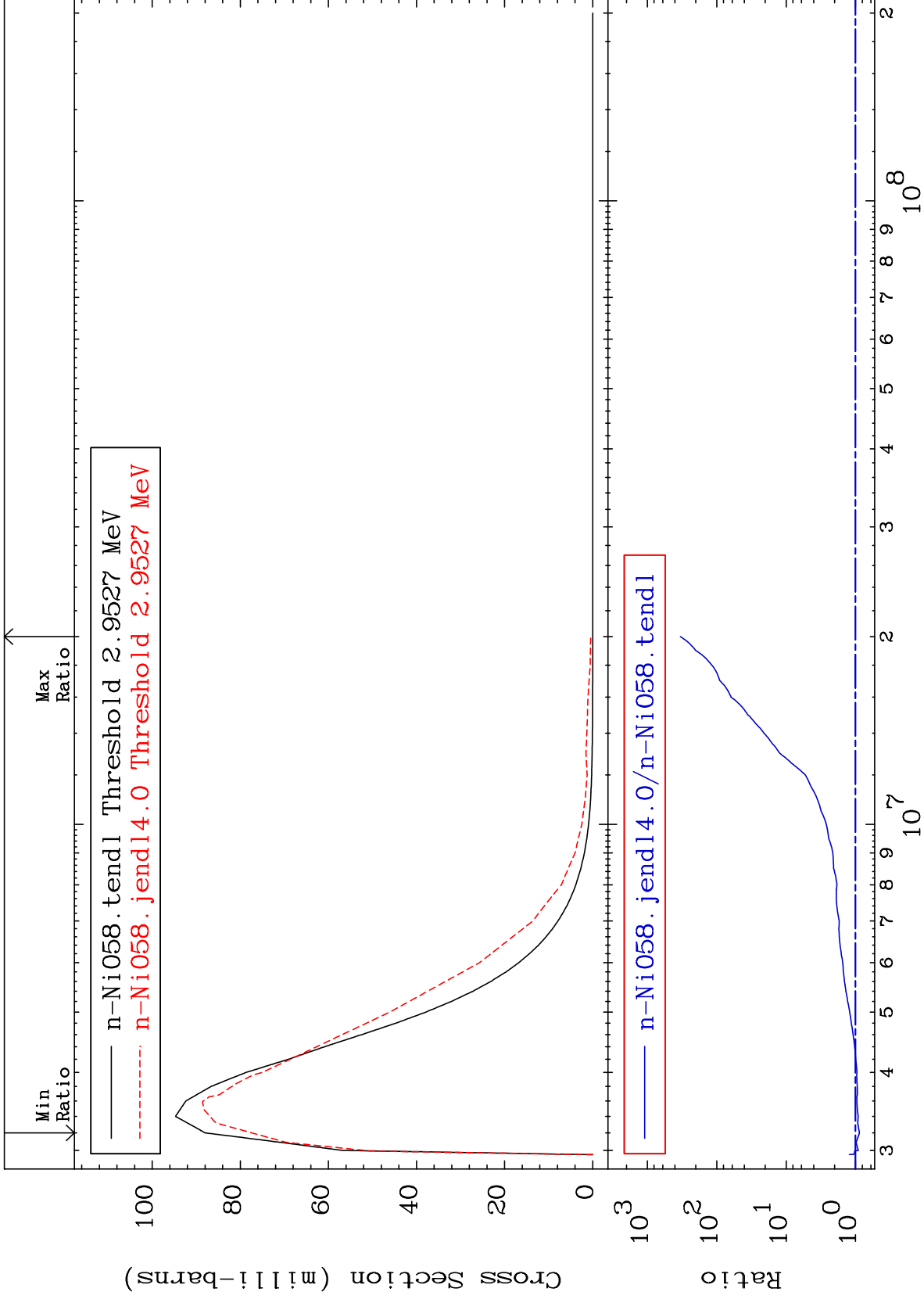
28-Ni-58
-39.22 To 680.1 %



MAT 2825

MT= 54 (n,n') Level
Cross Section

28-Ni-58
-12.06 To 9999. %



10

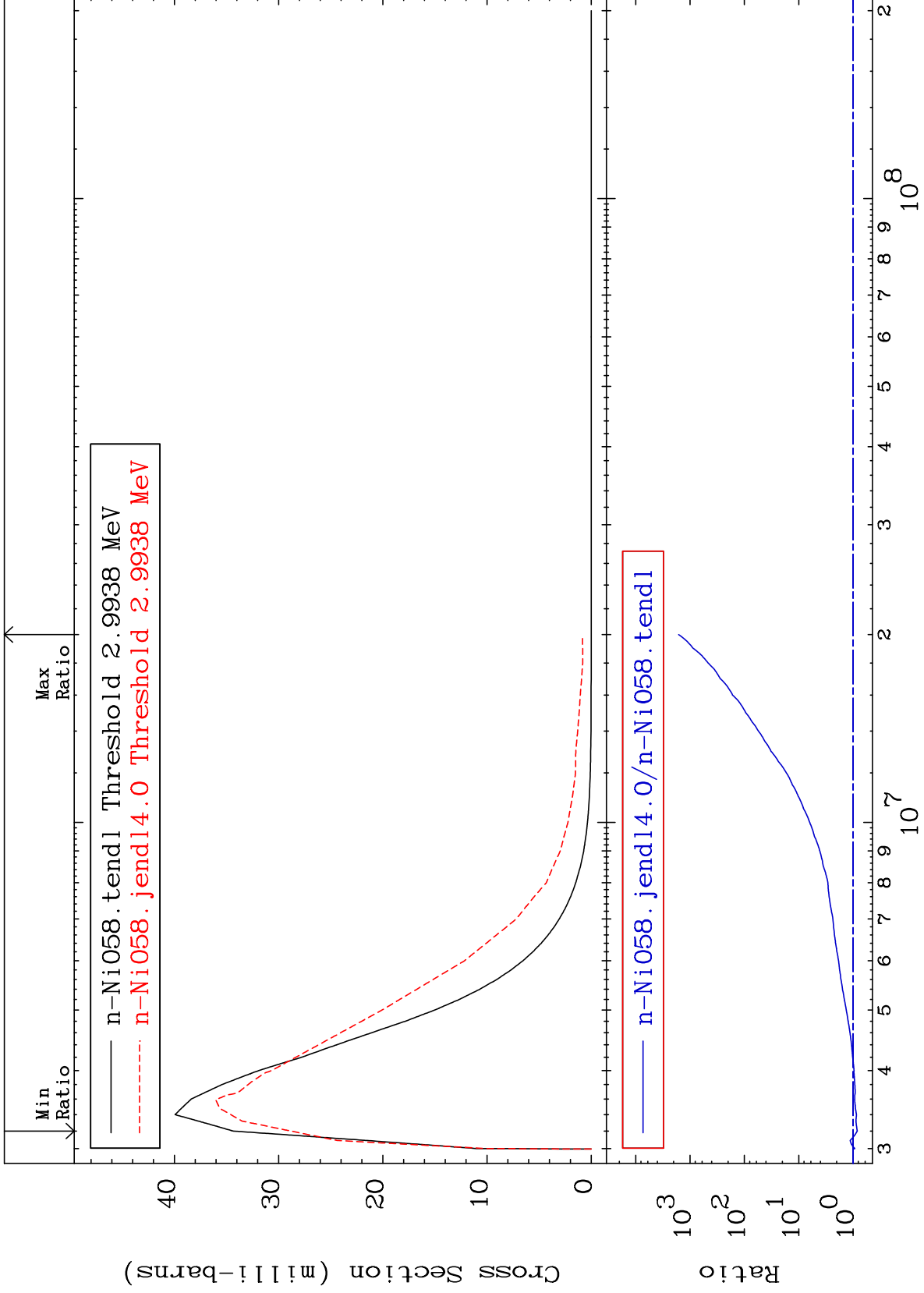
Incident Energy (eV)

28-Ni-58

MAT 2825

MT= 55 (n,n') Level
Cross Section

28-Ni-58
-16.14 To 9999. %



11

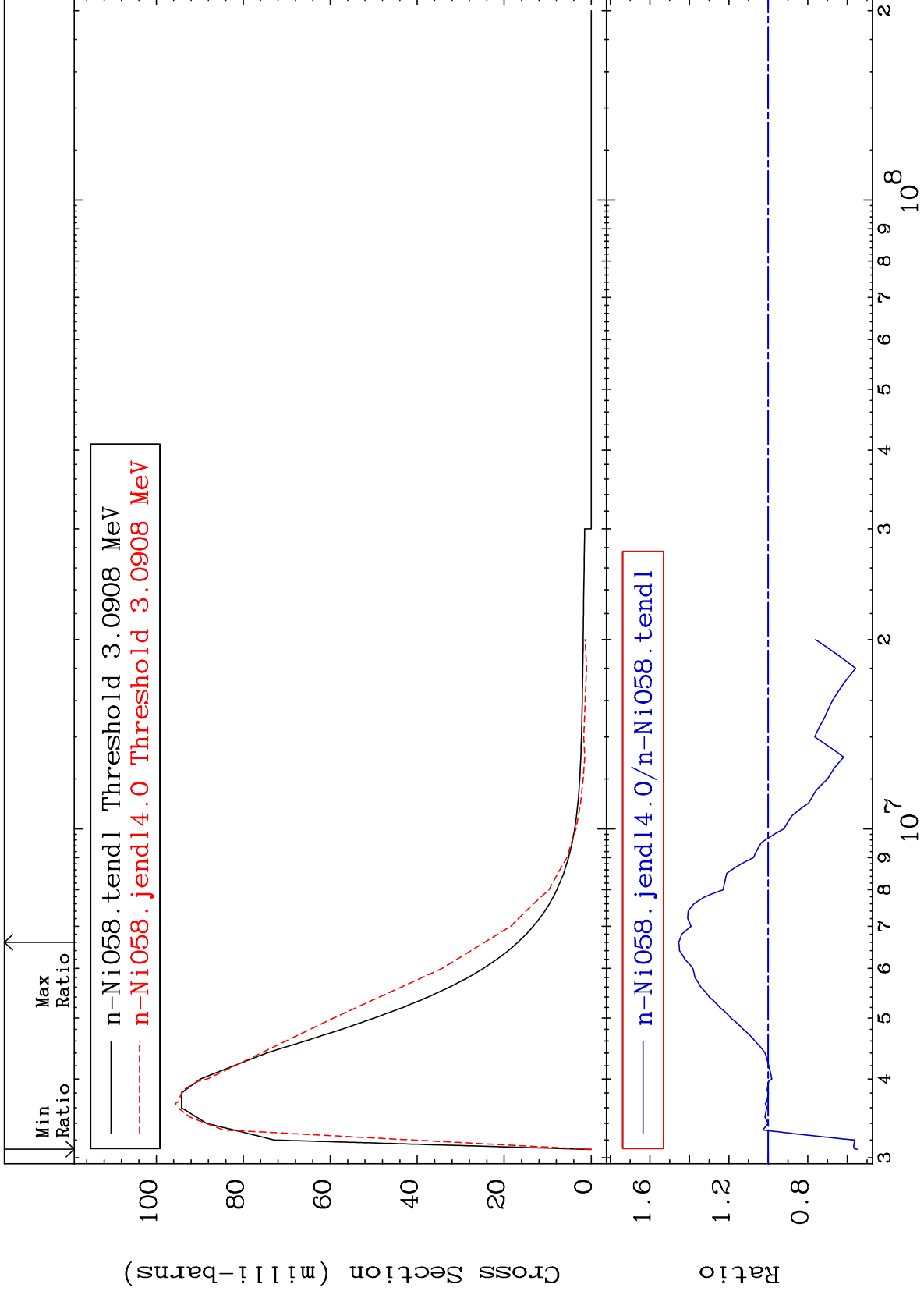
Incident Energy (eV)

28-Ni-58

MAT 2825

MT= 56 (n,n') Level
Cross Section

28-Ni-58
-45.05 To 45.42 %



12

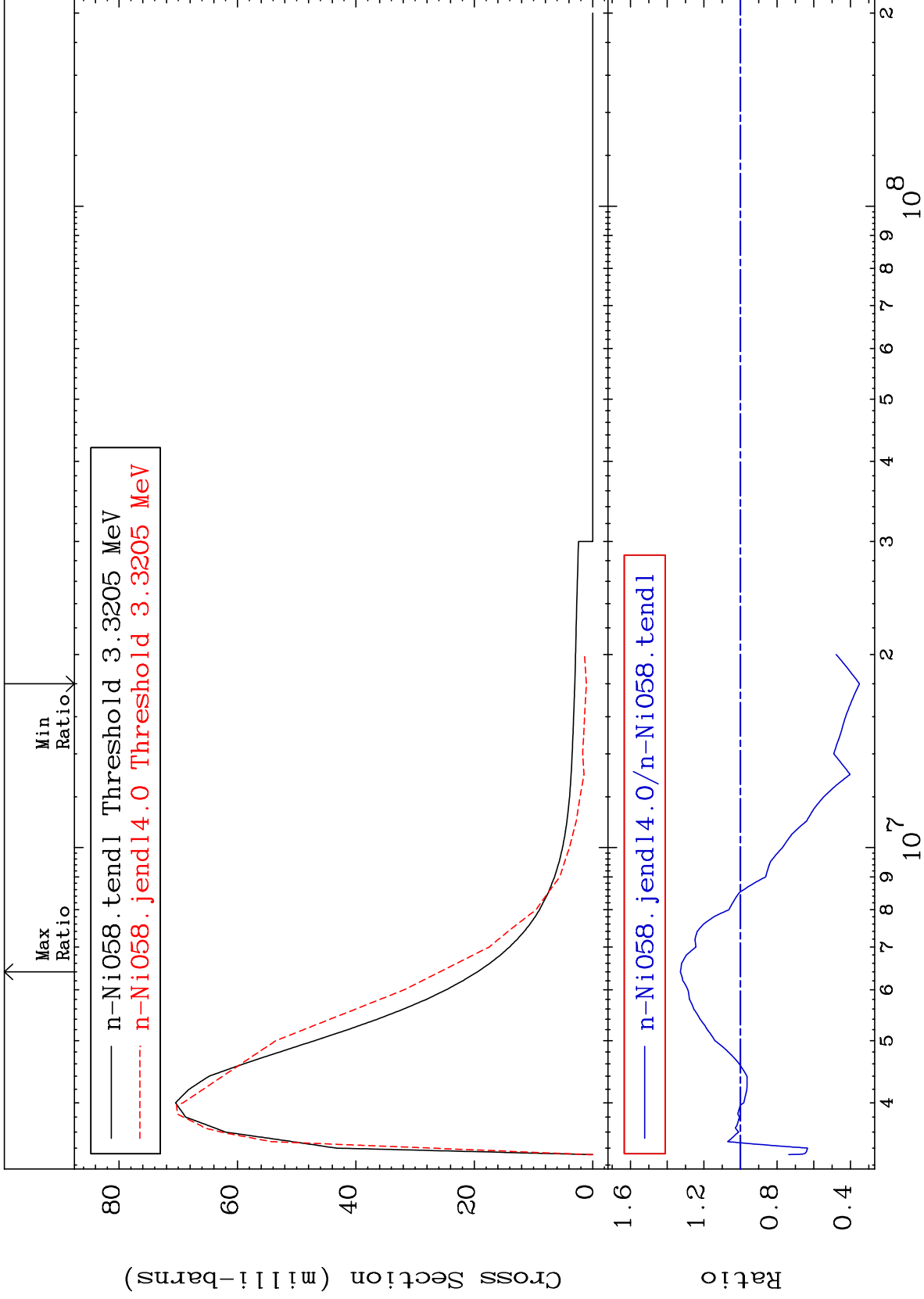
Incident Energy (eV)

28-Ni-58

MAT 2825

MT= 57 (n,n') Level
Cross Section

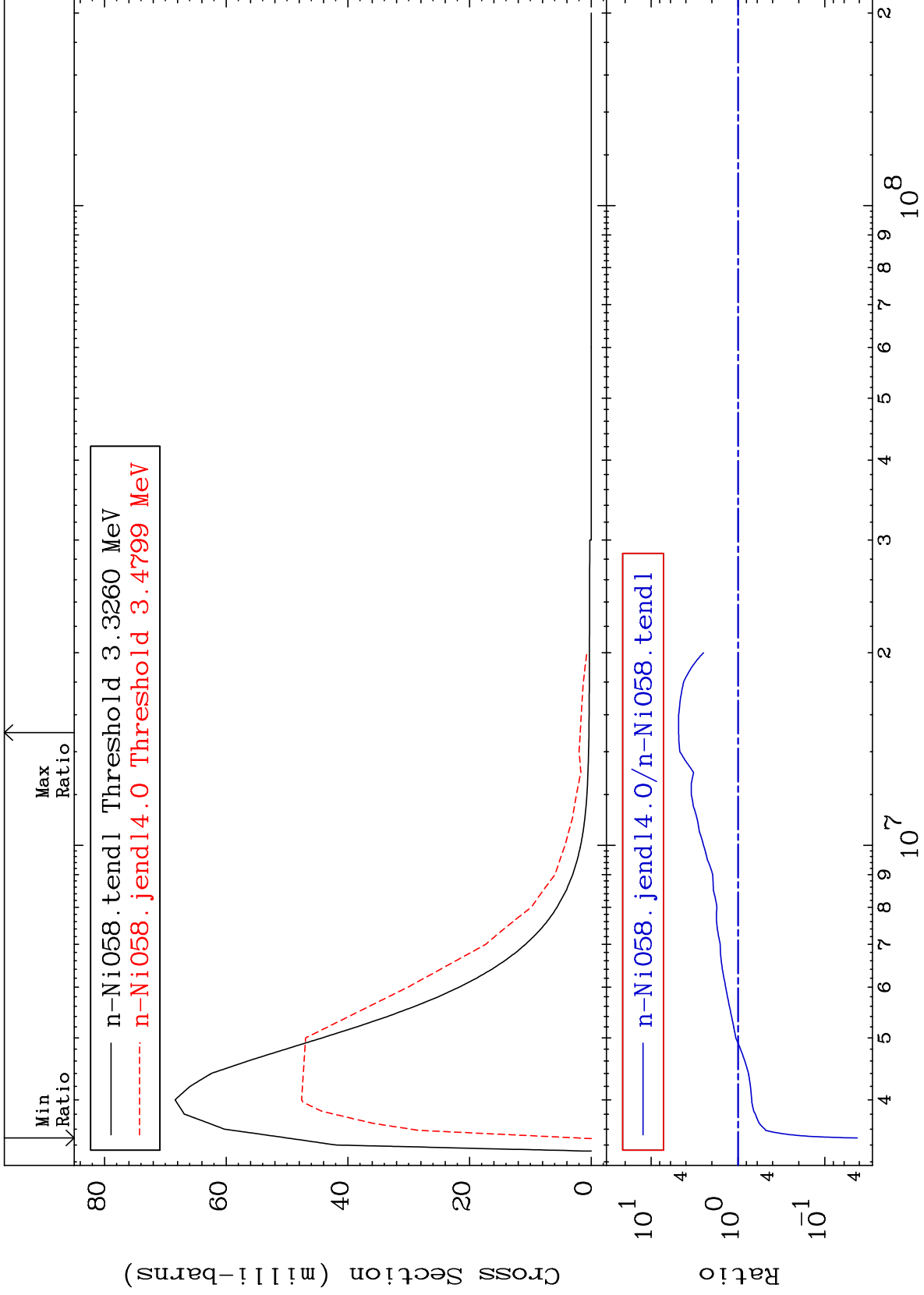
28-Ni-58
-64.92 To 32.79 %



MAT 2825

MT= 58 (n,n') Level
Cross Section

28-Ni-58
-95.76 To 383.4 %



14

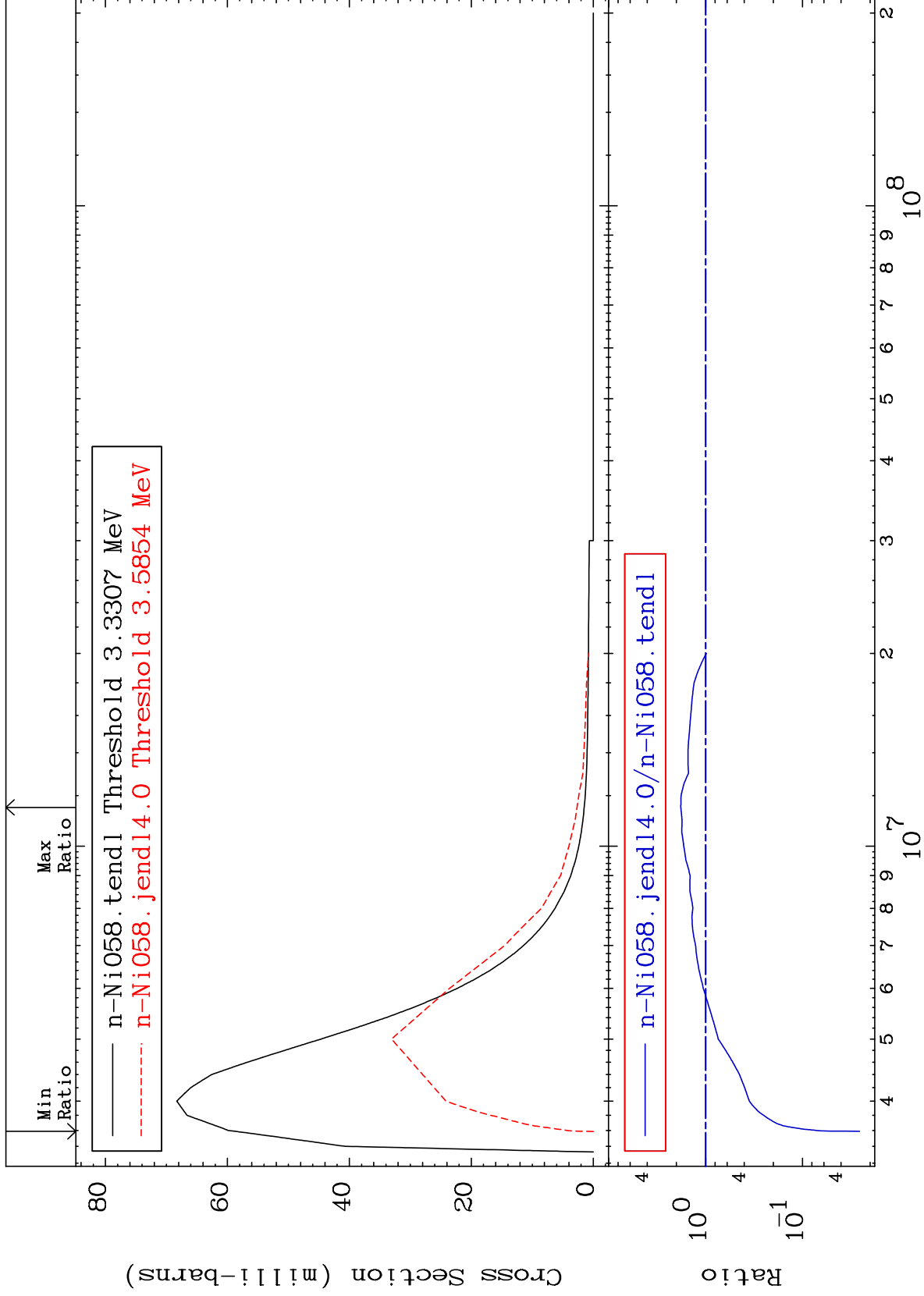
Incident Energy (eV)

28-Ni-58

MAT 2825

MT= 59 (n,n') Level
Cross Section

28-Ni-58
-97.43 To 80.47 %



15

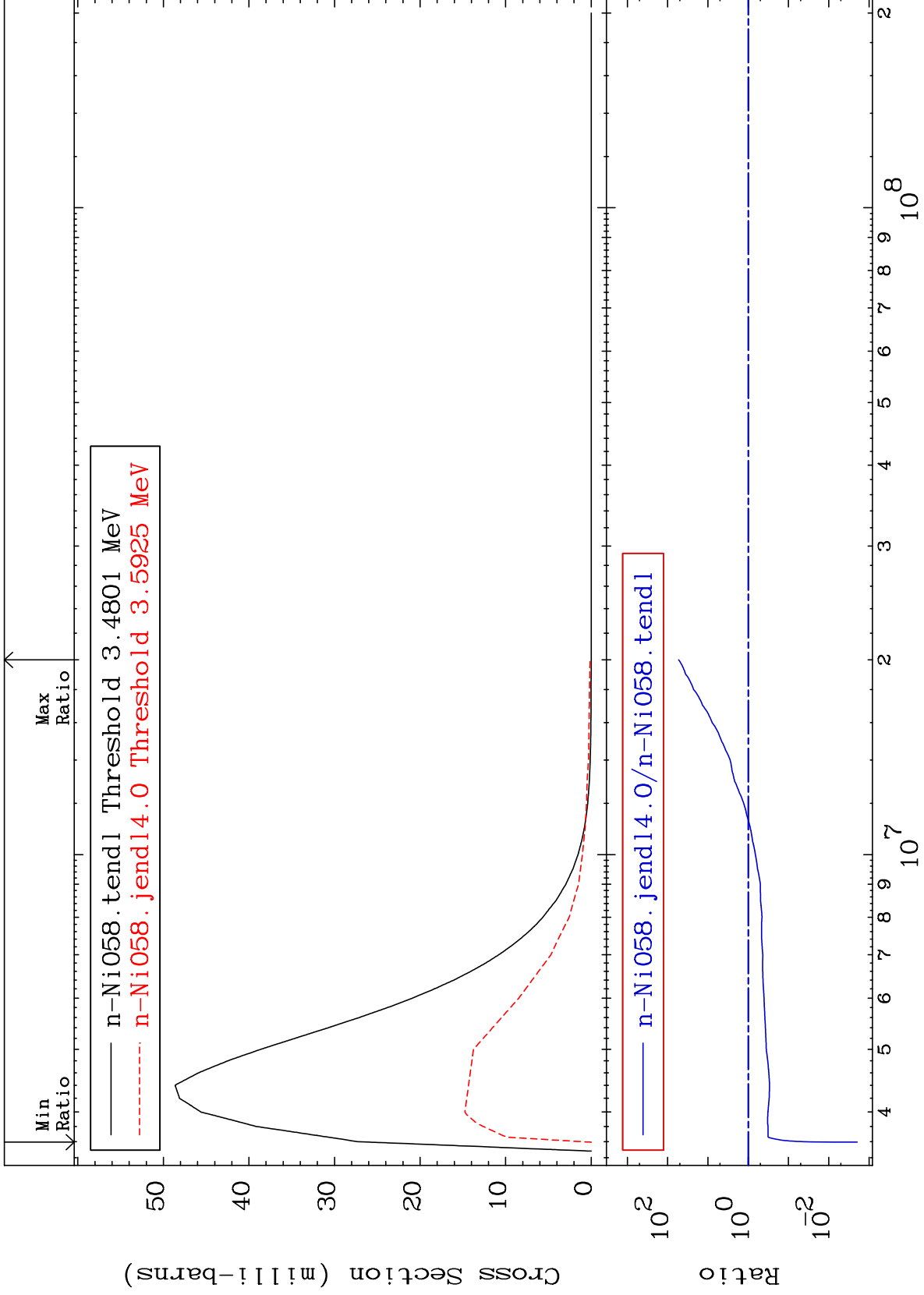
Incident Energy (eV)

28-Ni-58

MAT 2825

MT= 60 (n,n') Level
Cross Section

28-Ni-58
-99.80 To 5236. %



16

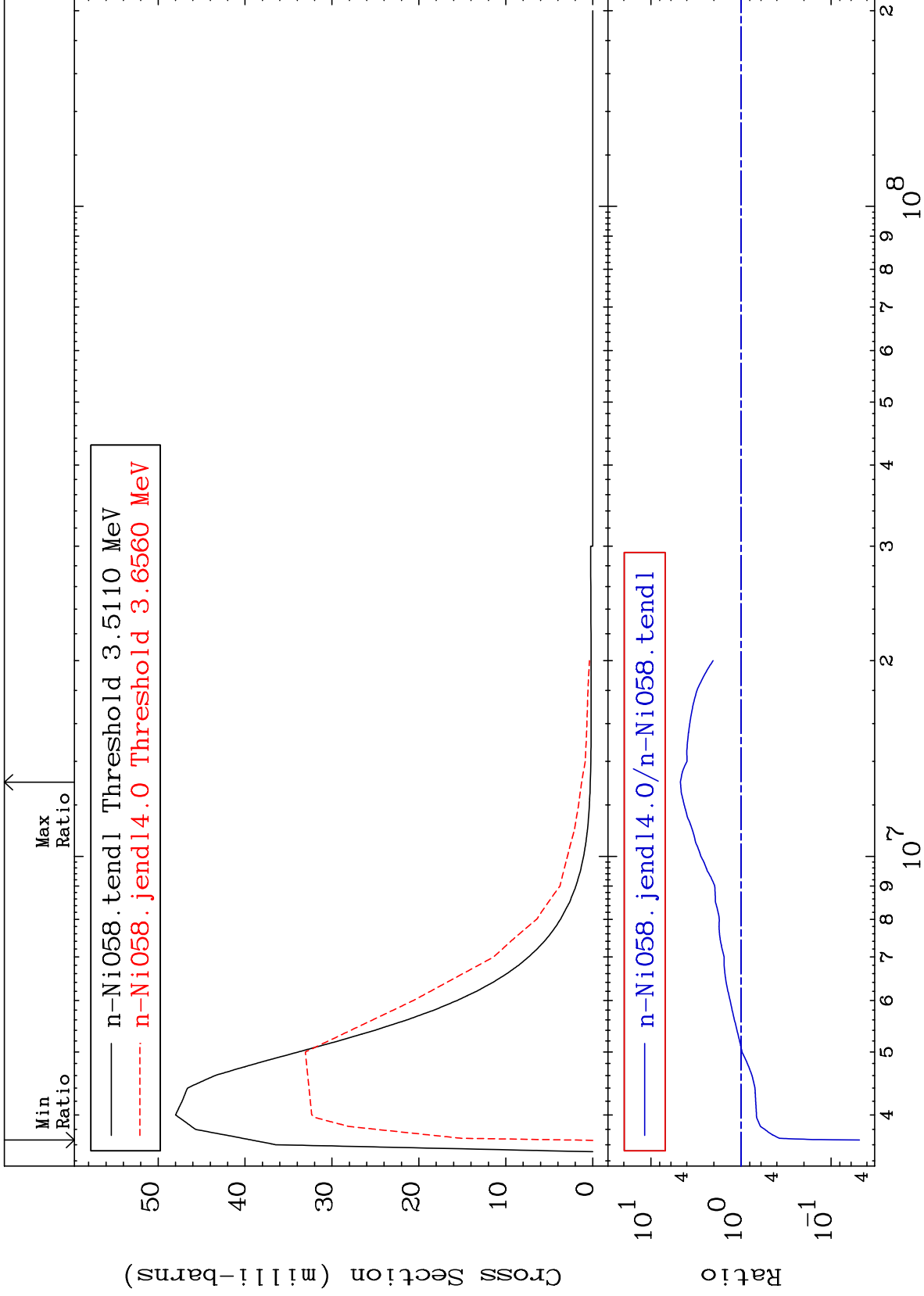
Incident Energy (eV)

28-Ni-58

MAT 2825

MT= 61 (n,n') Level
Cross Section

28-Ni-58
-95.16 To 371.6 %



17

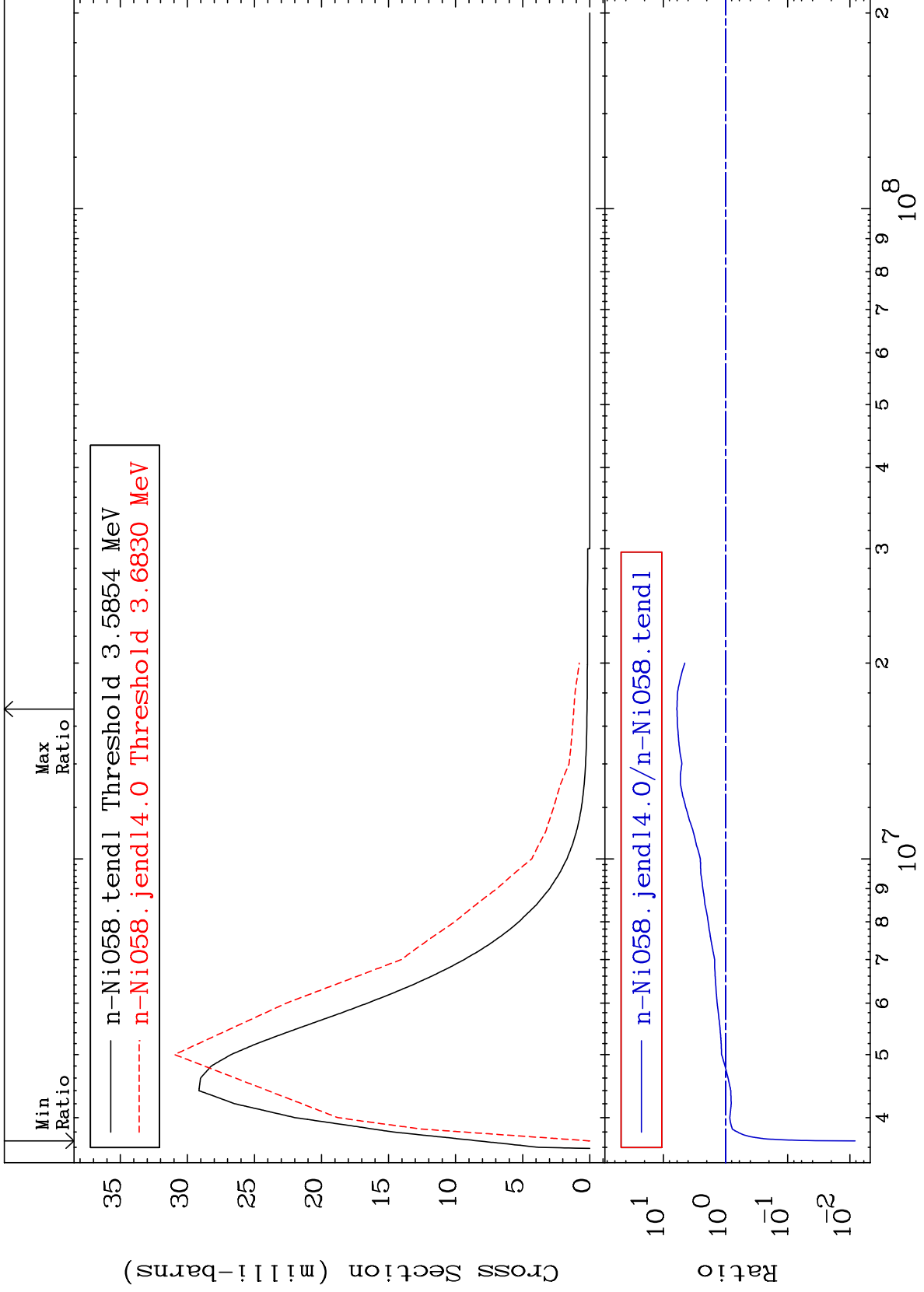
Incident Energy (eV)

28-Ni-58

MAT 2825

MT= 62 (n,n') Level
Cross Section

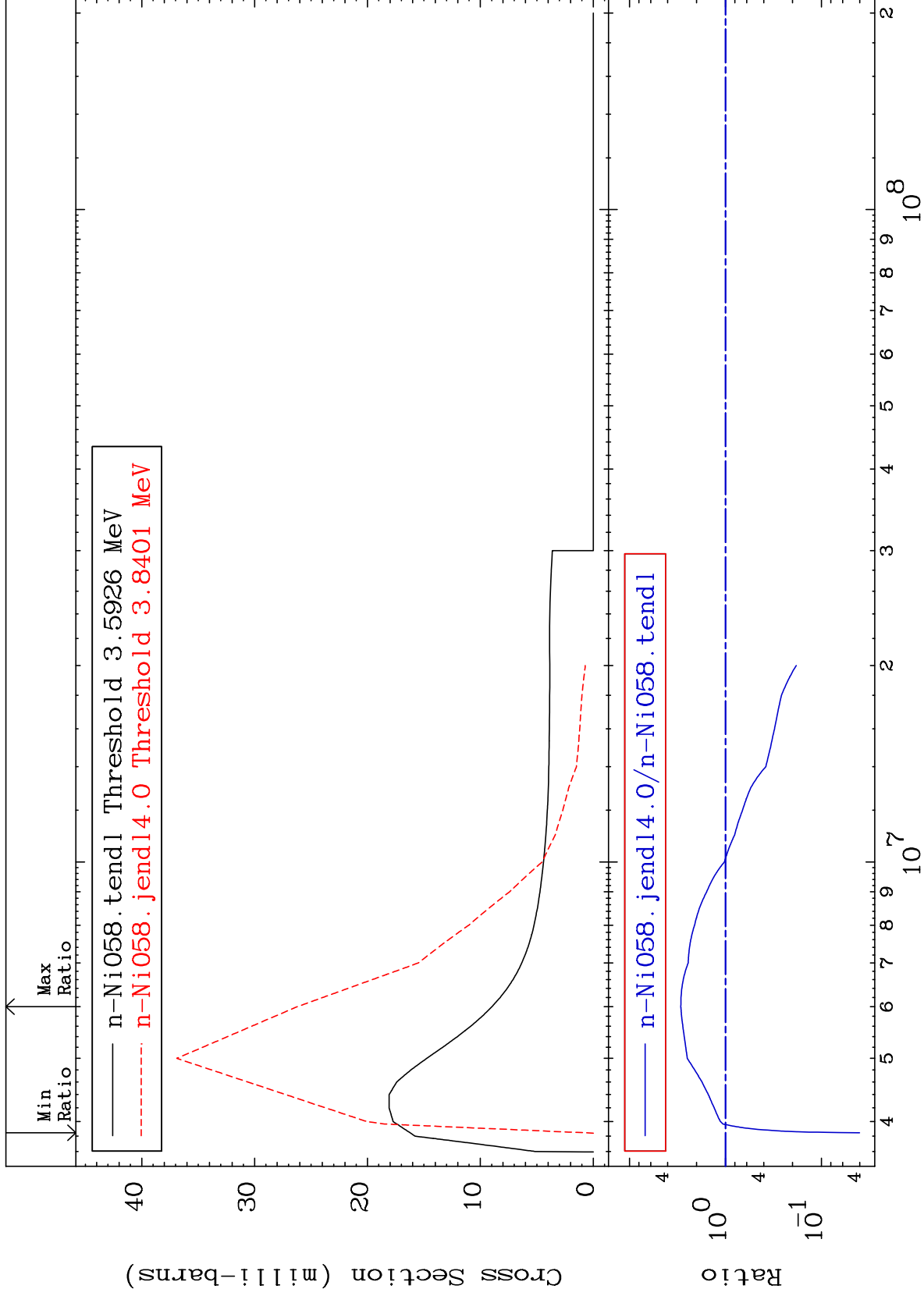
28-Ni-58
-99.17 To 504.4 %



18

Incident Energy (eV)

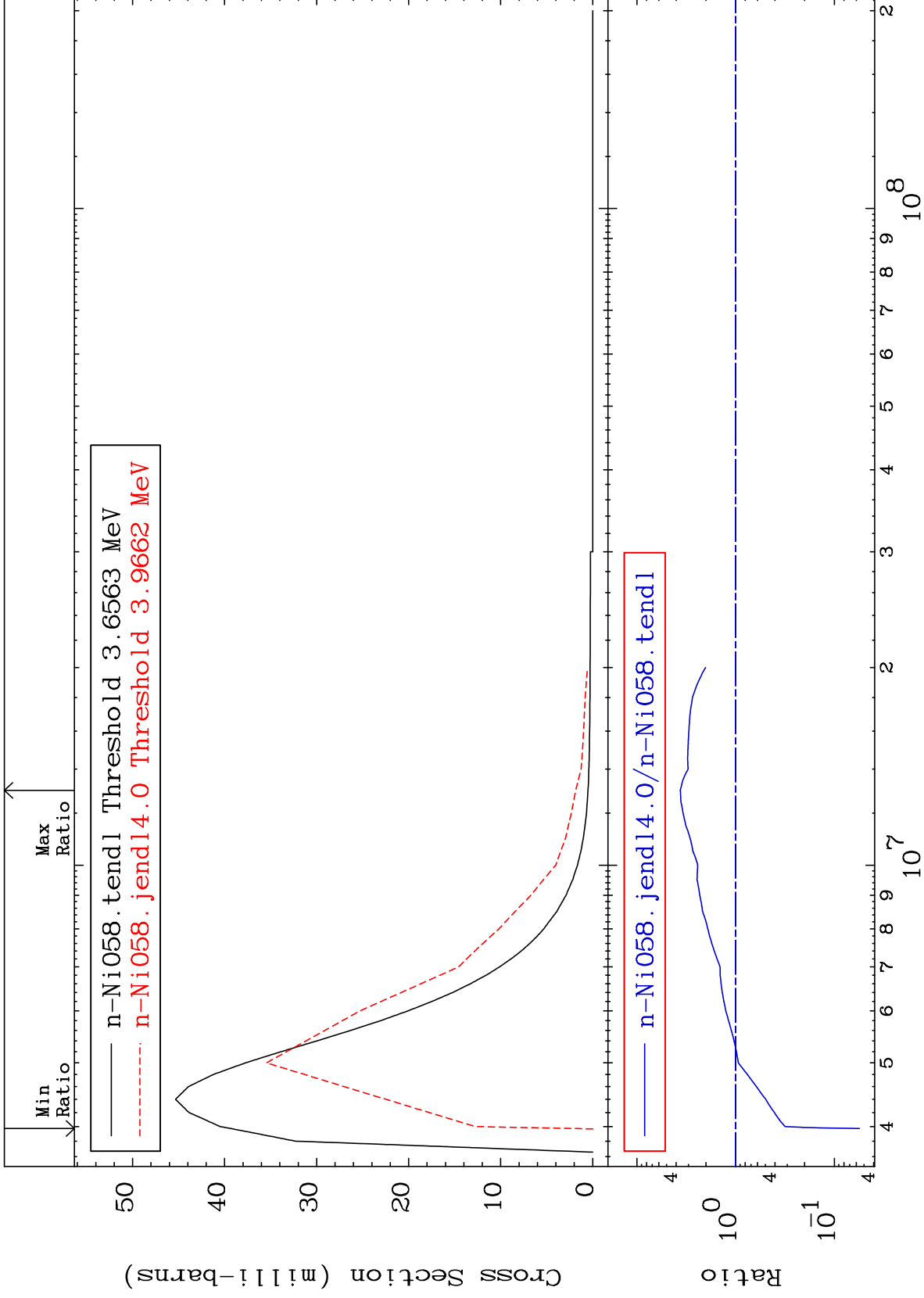
28-Ni-58



MAT 2825

MT= 64 (n,n') Level
Cross Section

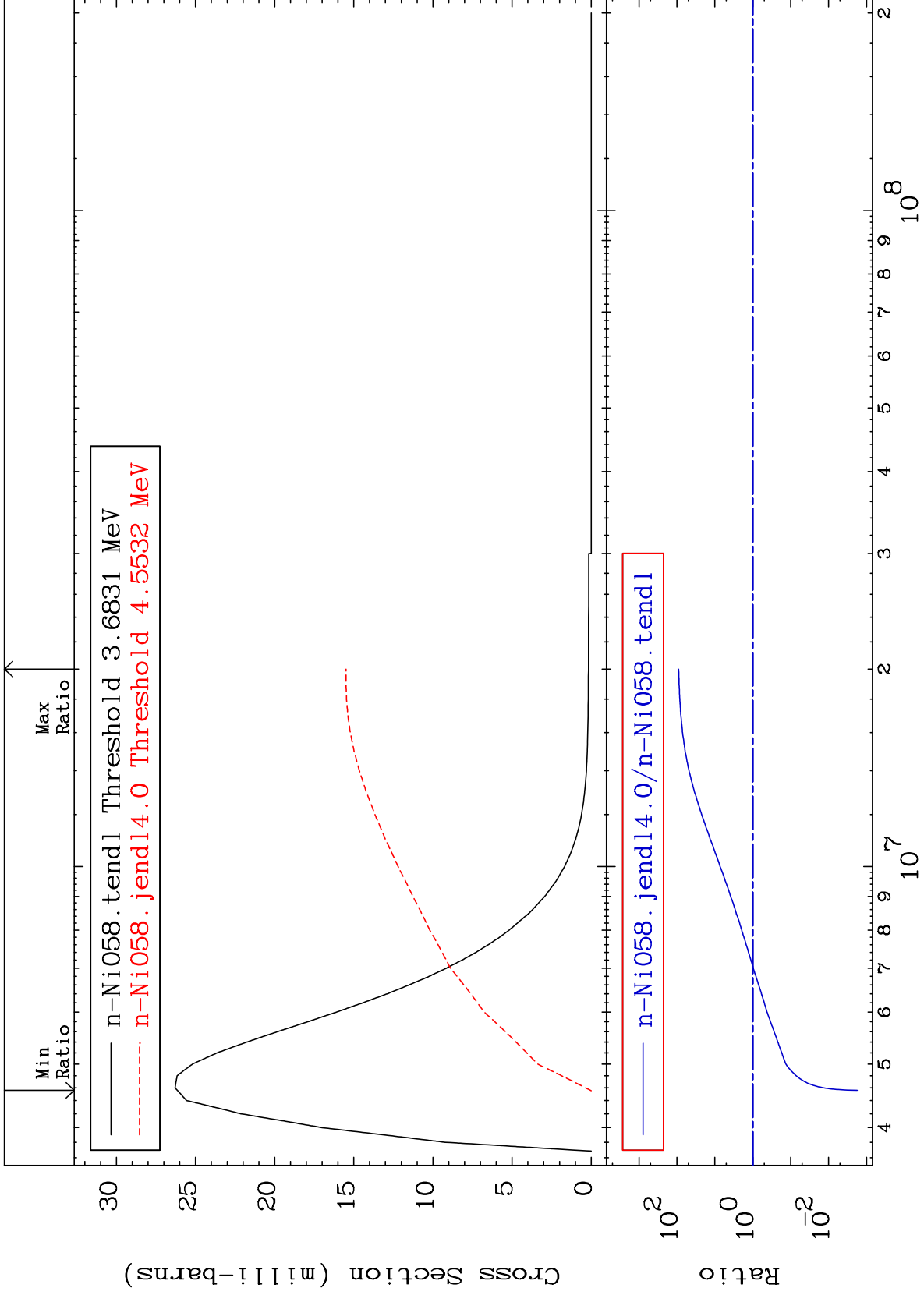
28-Ni-58
-94.43 To 263.1 %

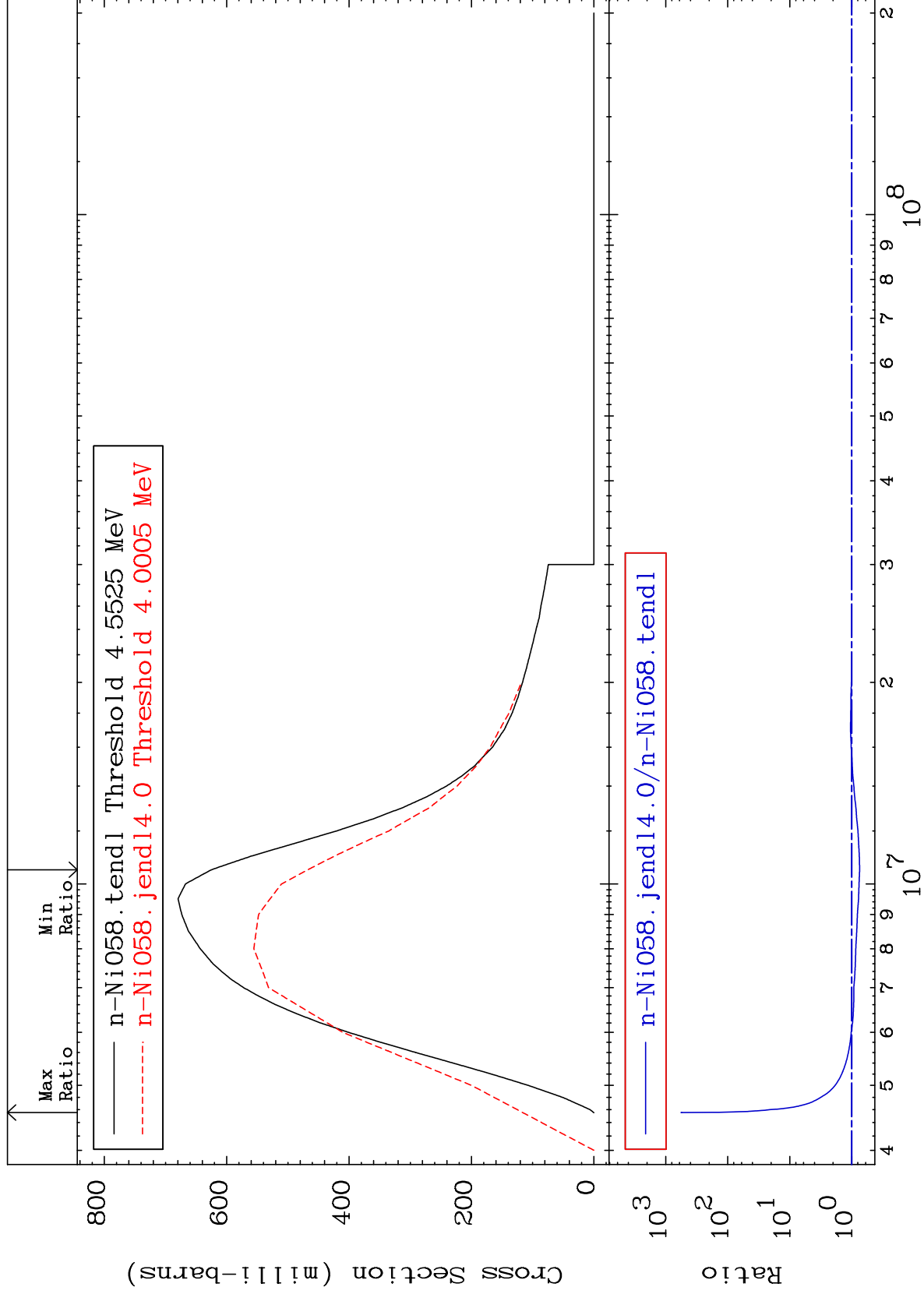


20

28-Ni-58

28-Ni-58

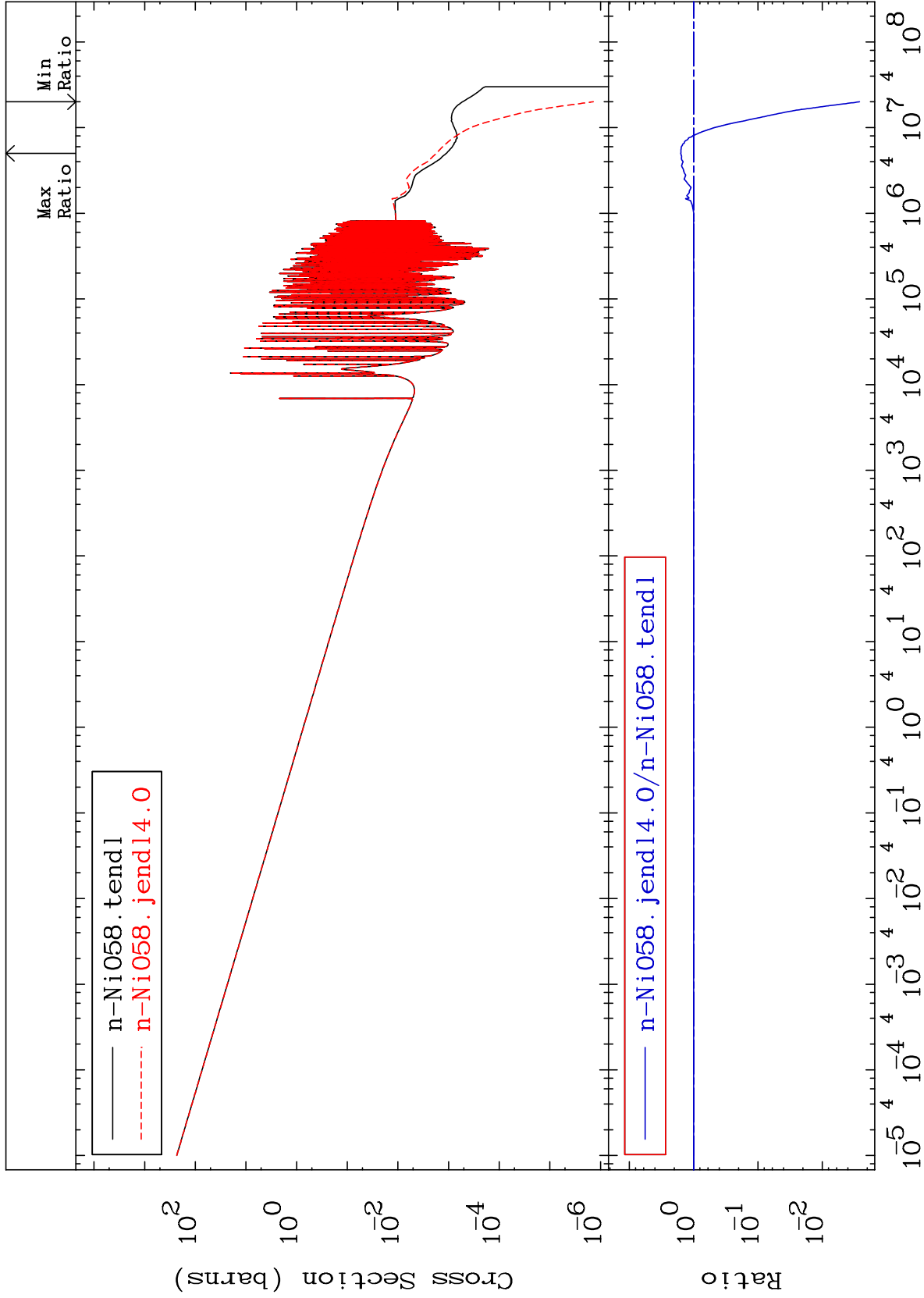




MAT 2825

(n, γ)
Cross Section

28-Ni-58
-99.74 To 58.58 %



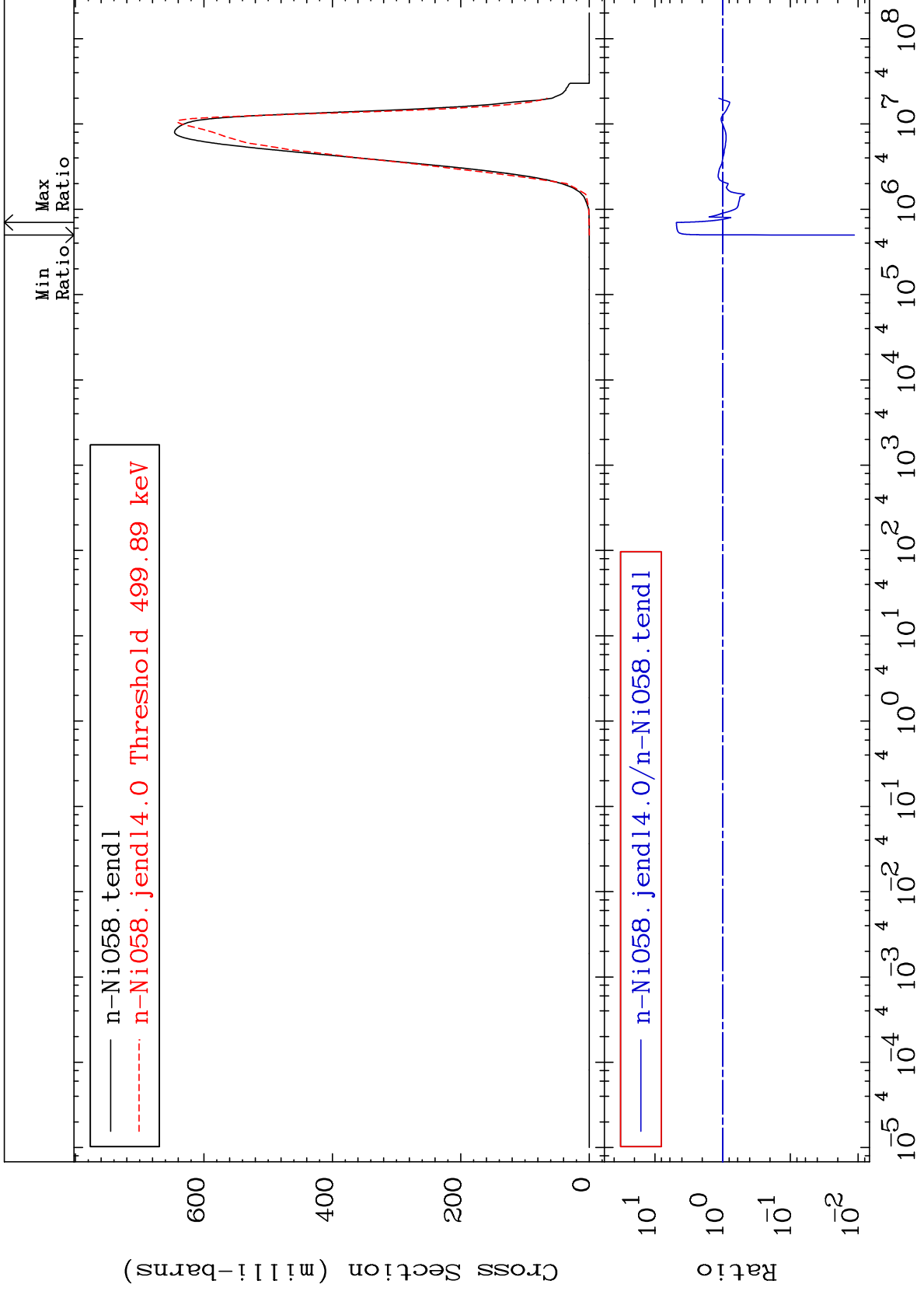
— n-Ni058.tendl
- - - n-Ni058.jendl4.0

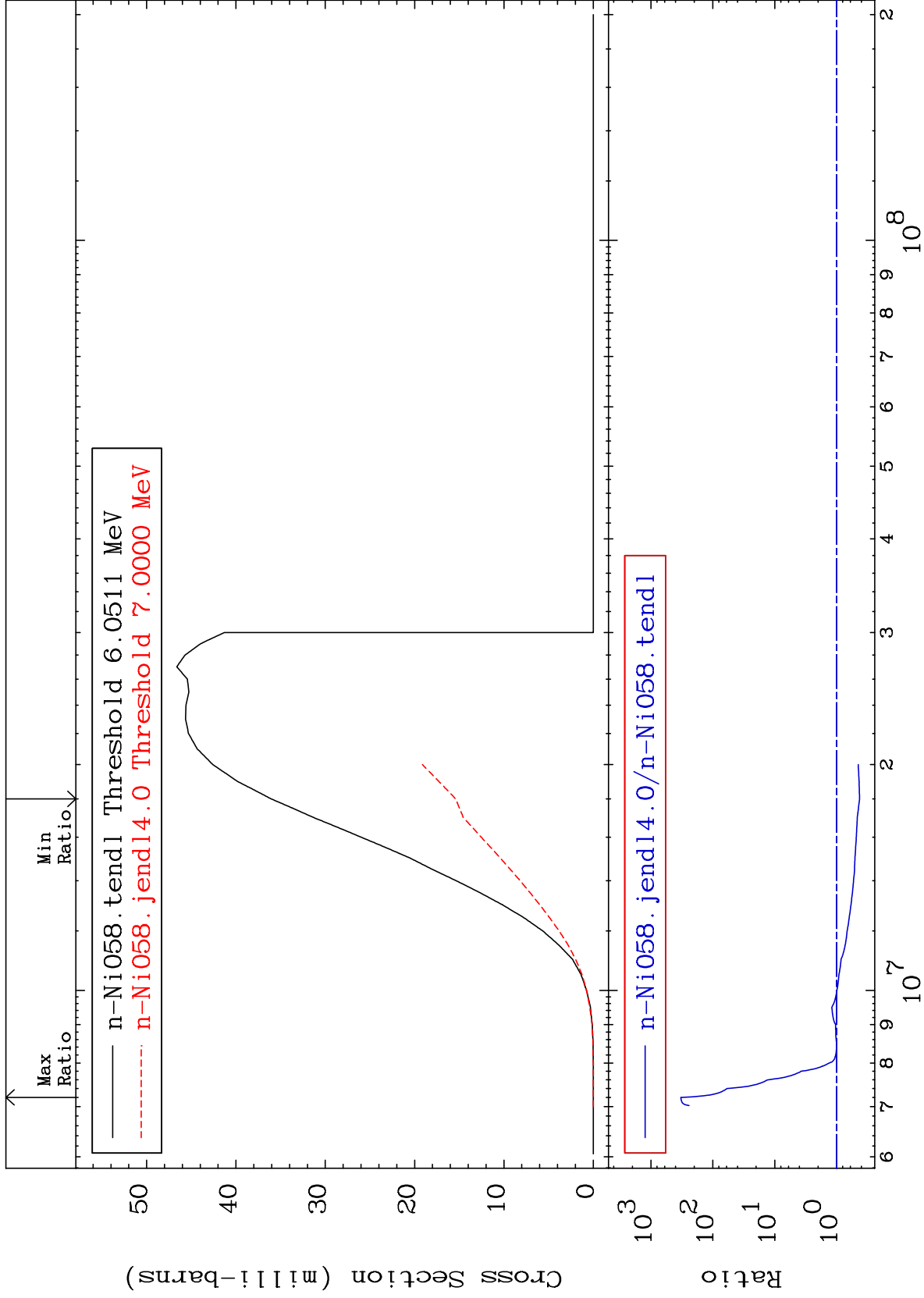
— n-Ni058.jendl4.0/n-Ni058.tendl

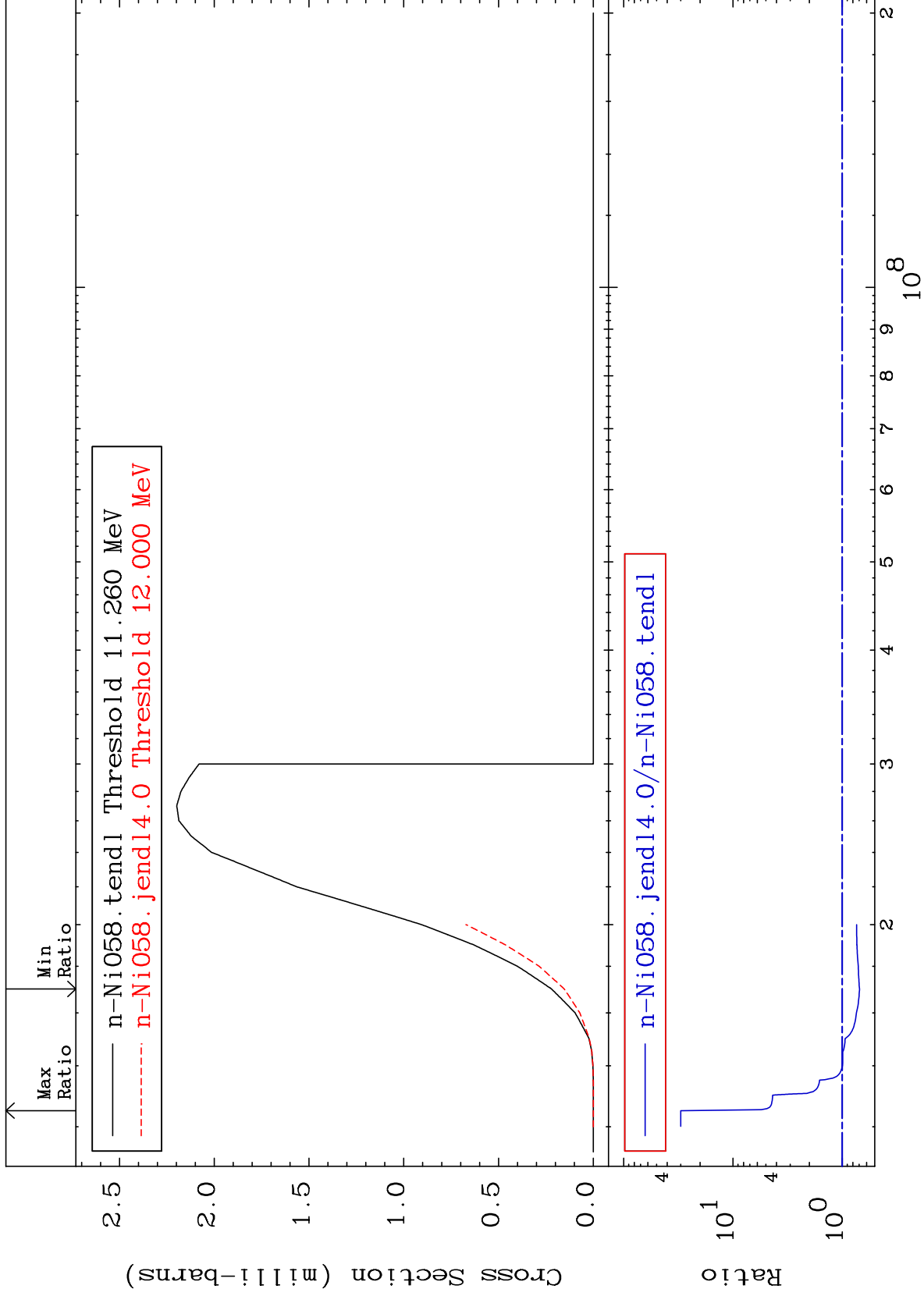
MAT 2825

(n,p)
Cross Section

28-Ni-58
-98.86 To 382.3 %







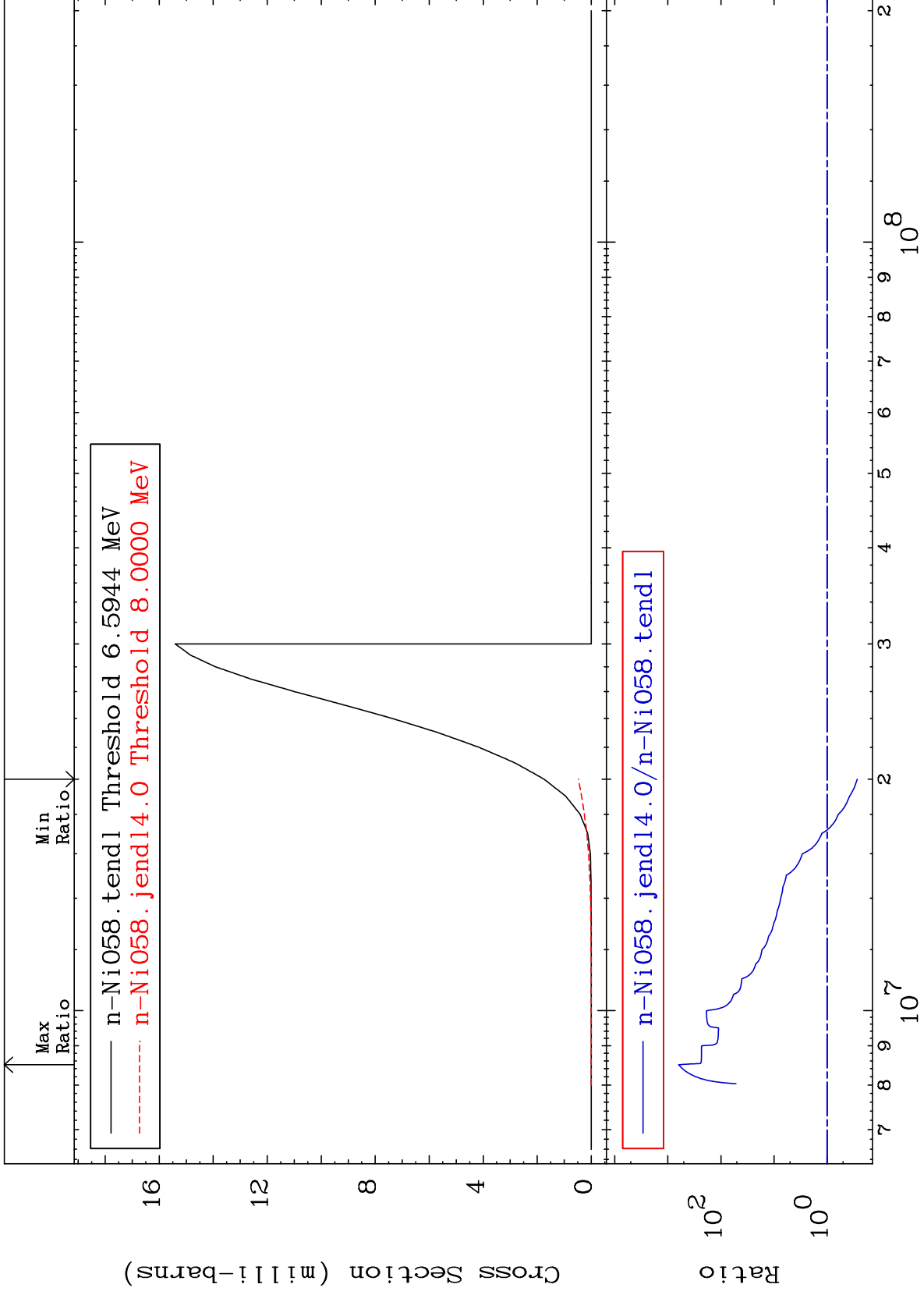
MAT 2825

(n, He-3)

28-Ni-58

Cross Section

-72.99 To 9999. %



27

Incident Energy (eV)

28-Ni-58

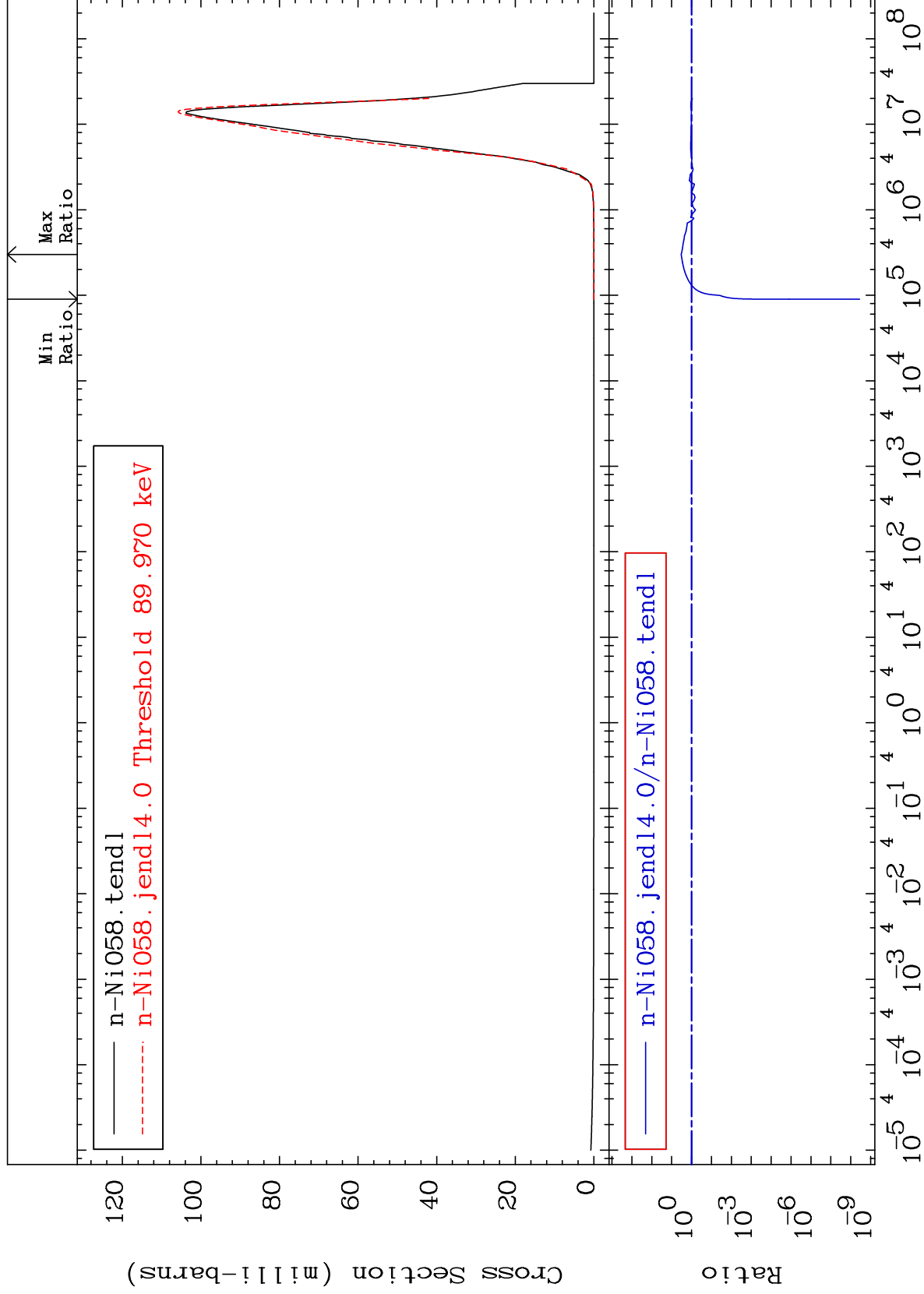
MAT 2825

(n, α)

Cross Section

28-Ni-58

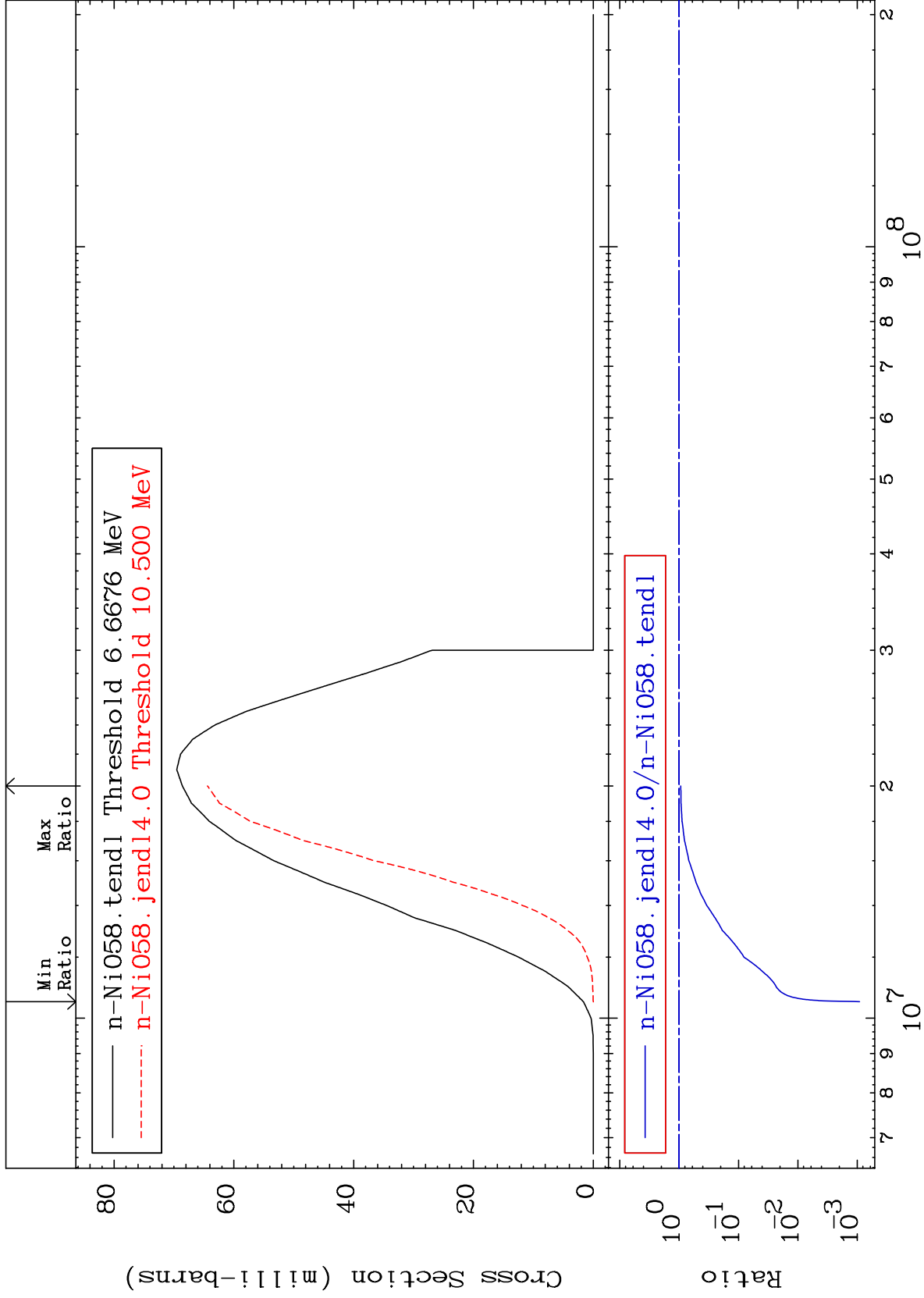
-100.0 To 231.6 %

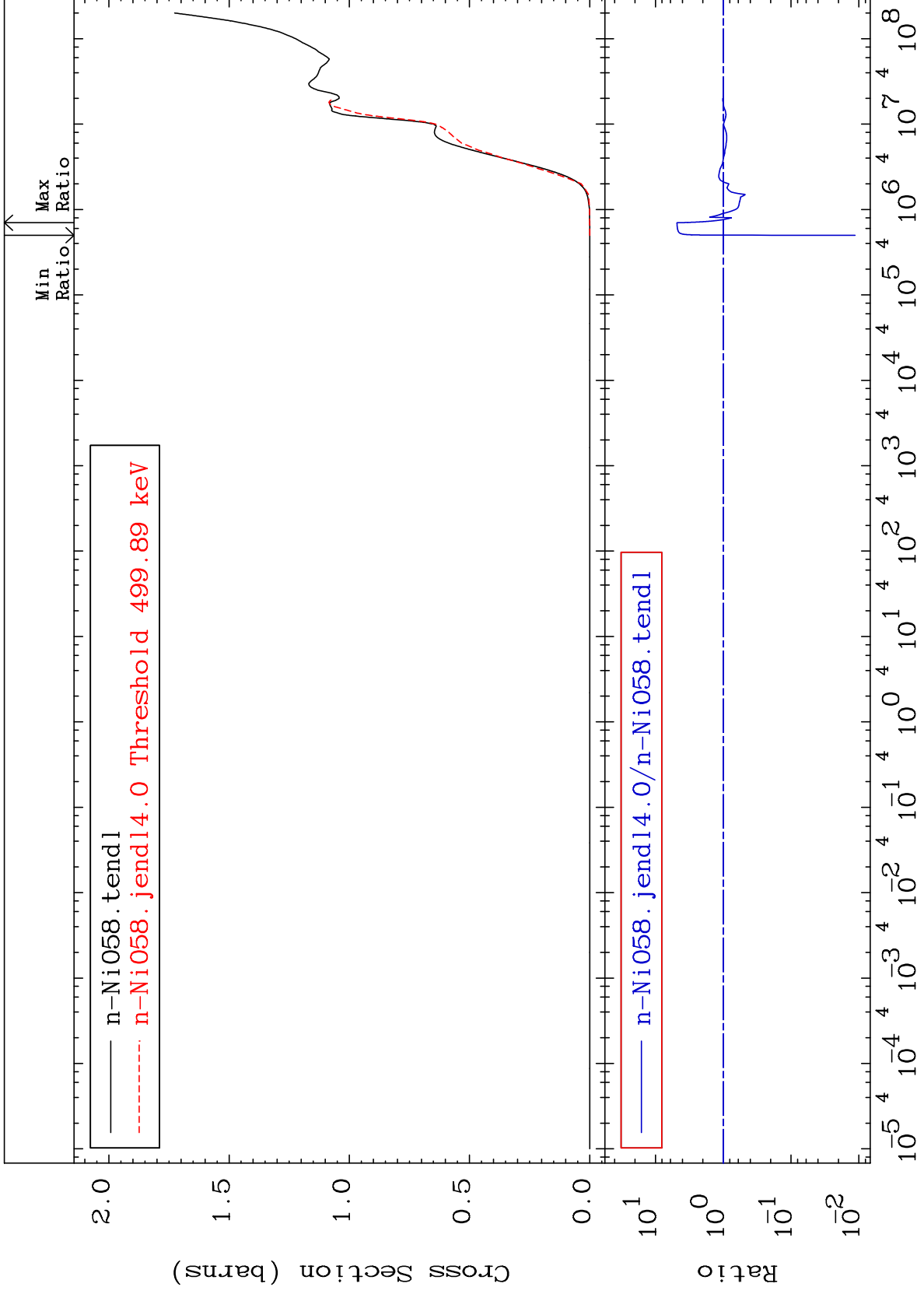


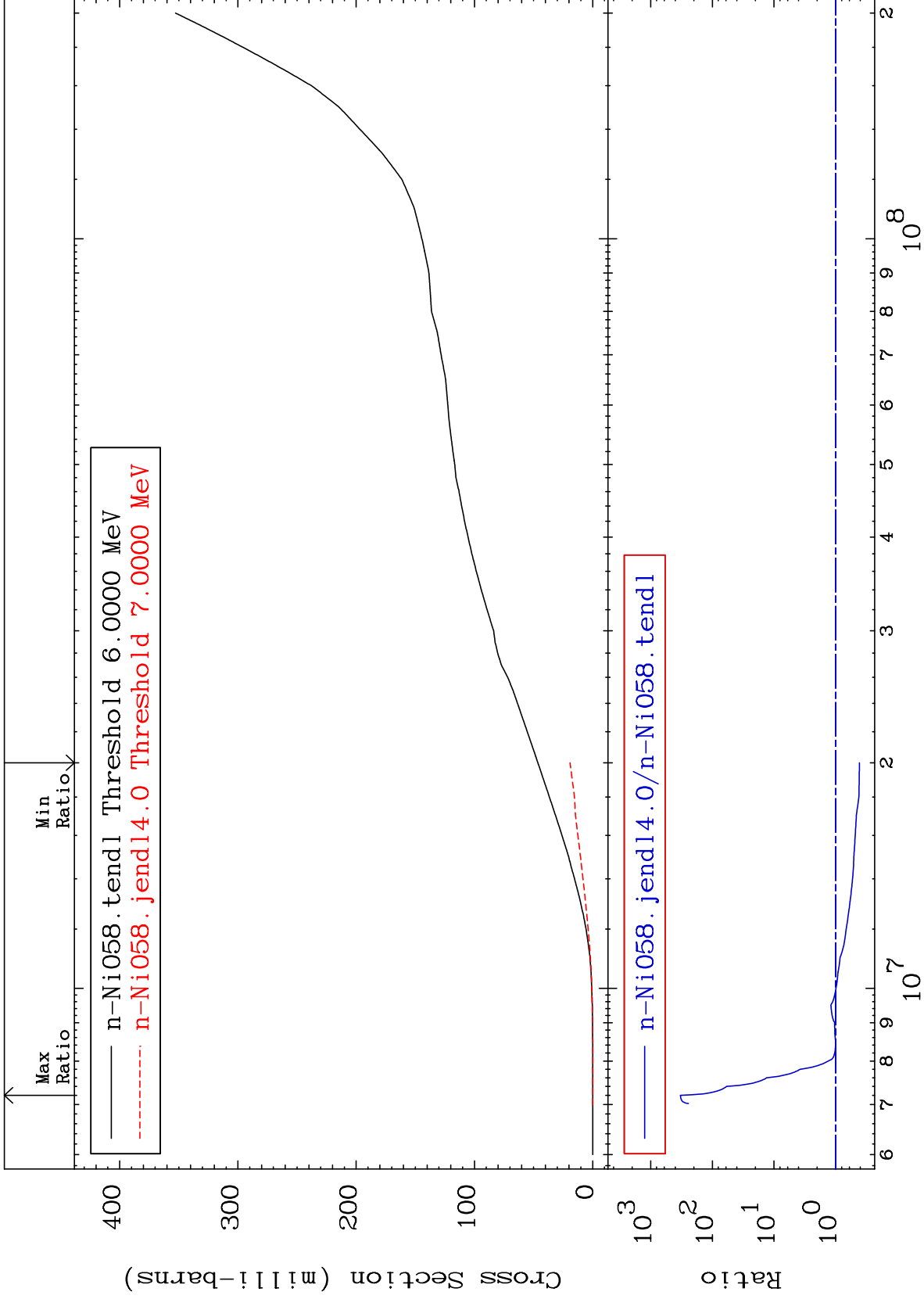
28

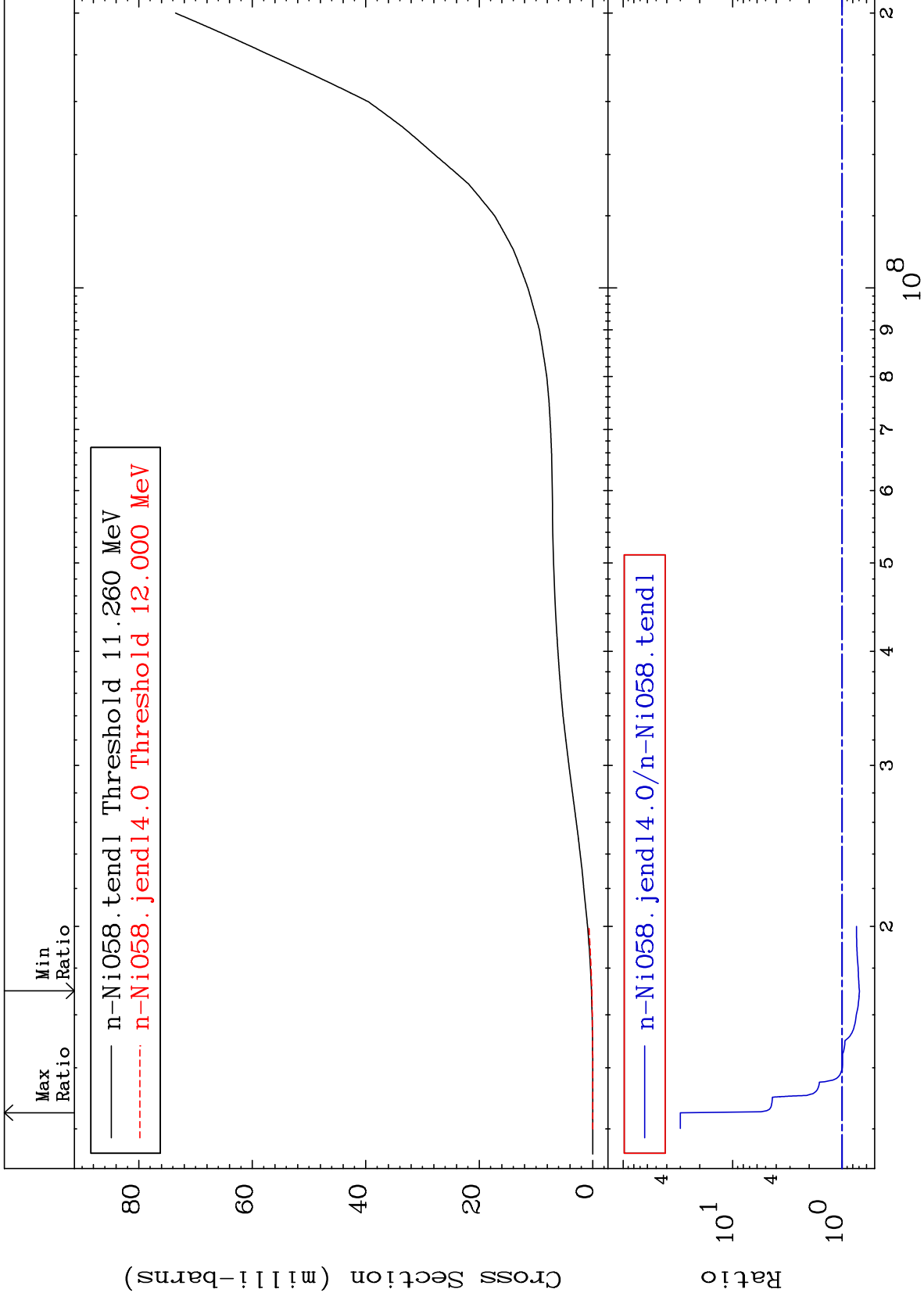
Incident Energy (eV)

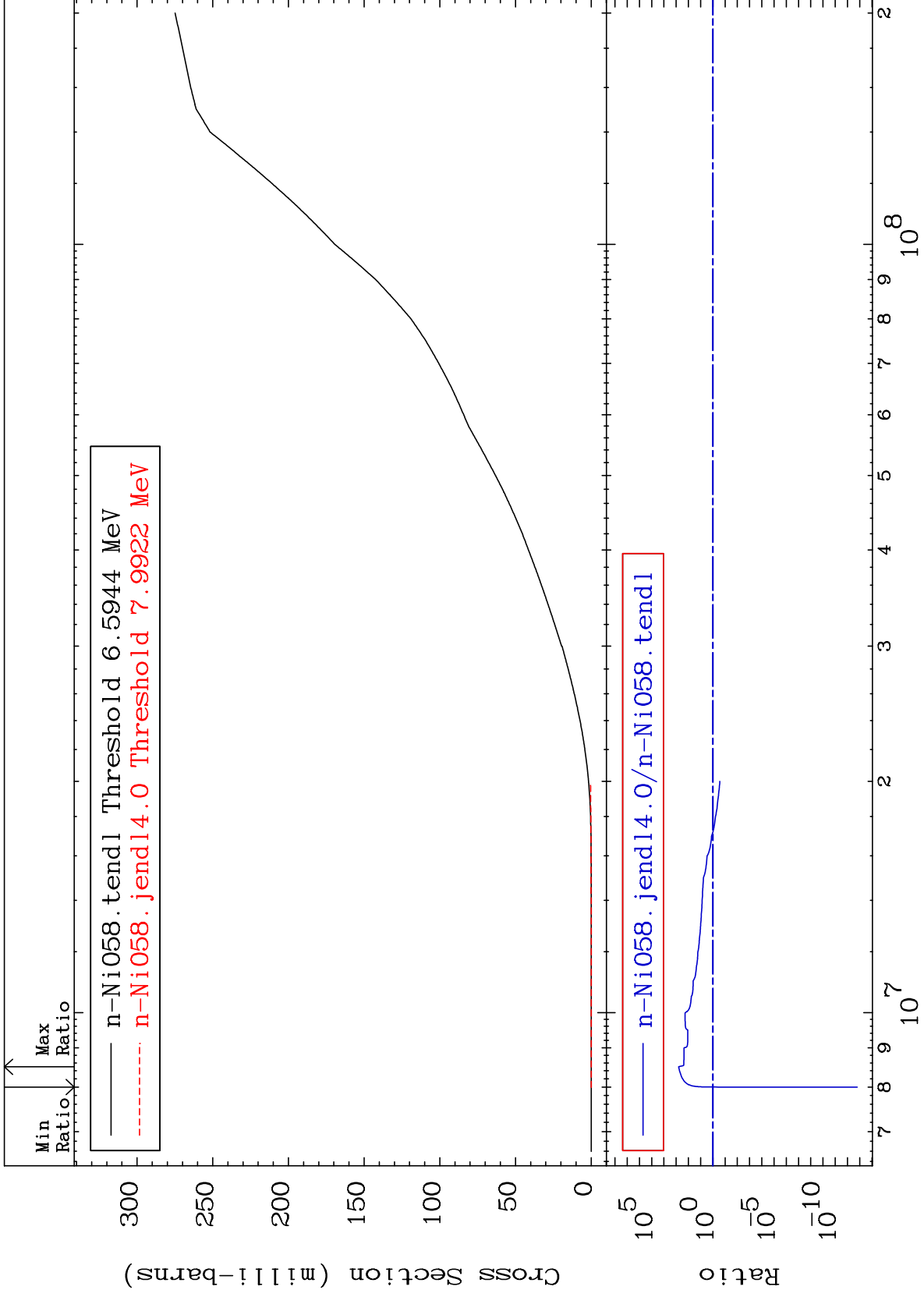
28-Ni-58

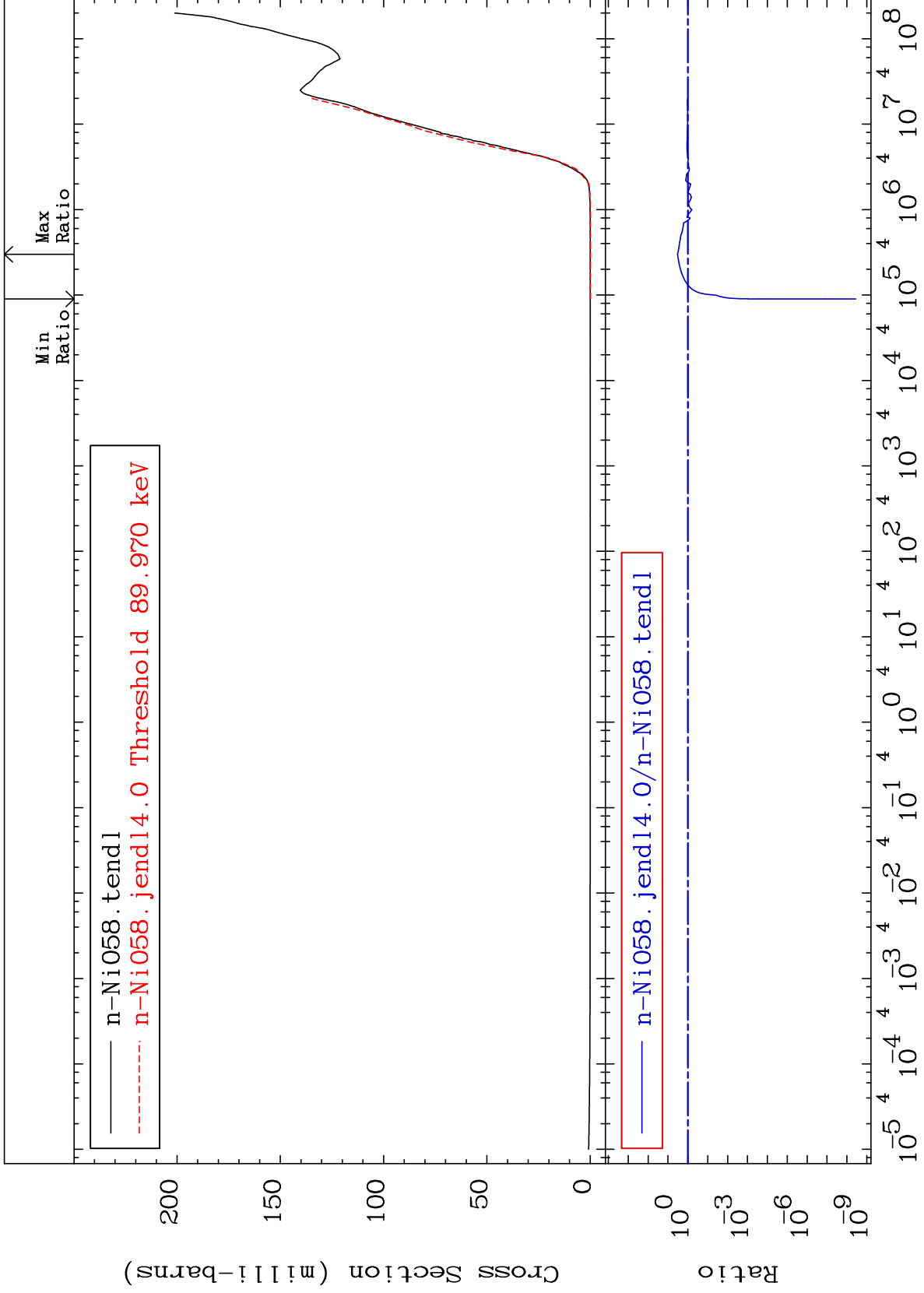


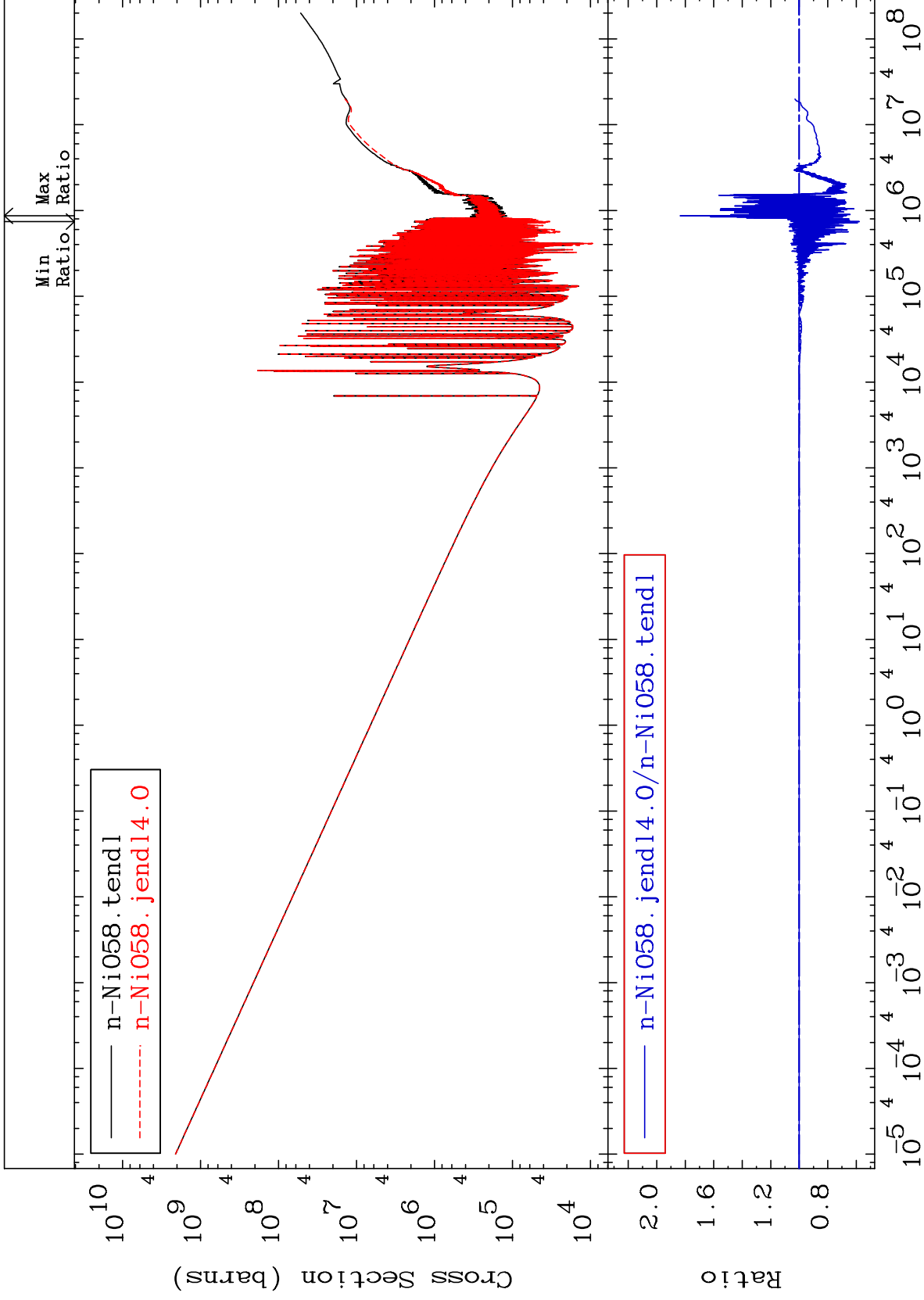


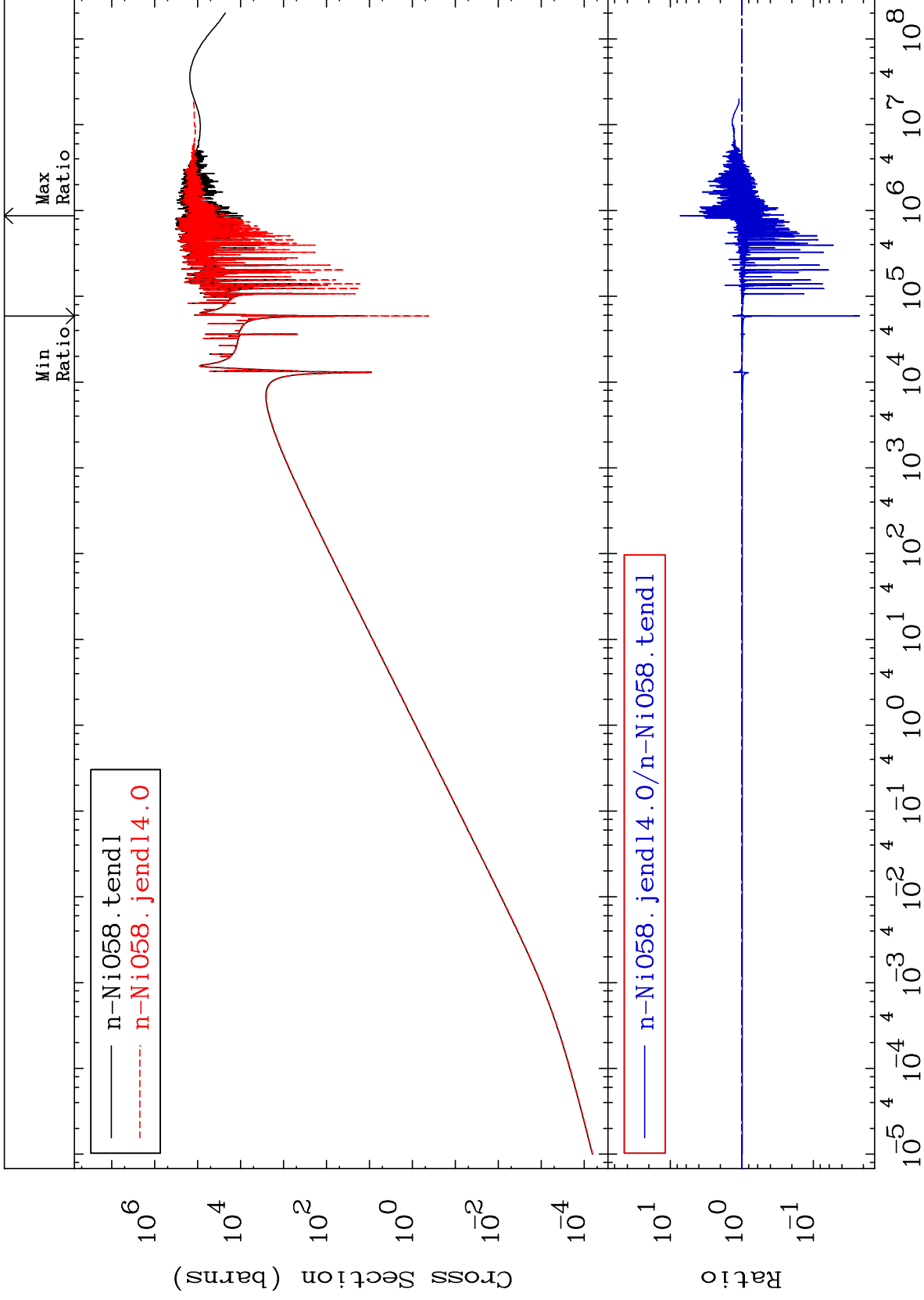


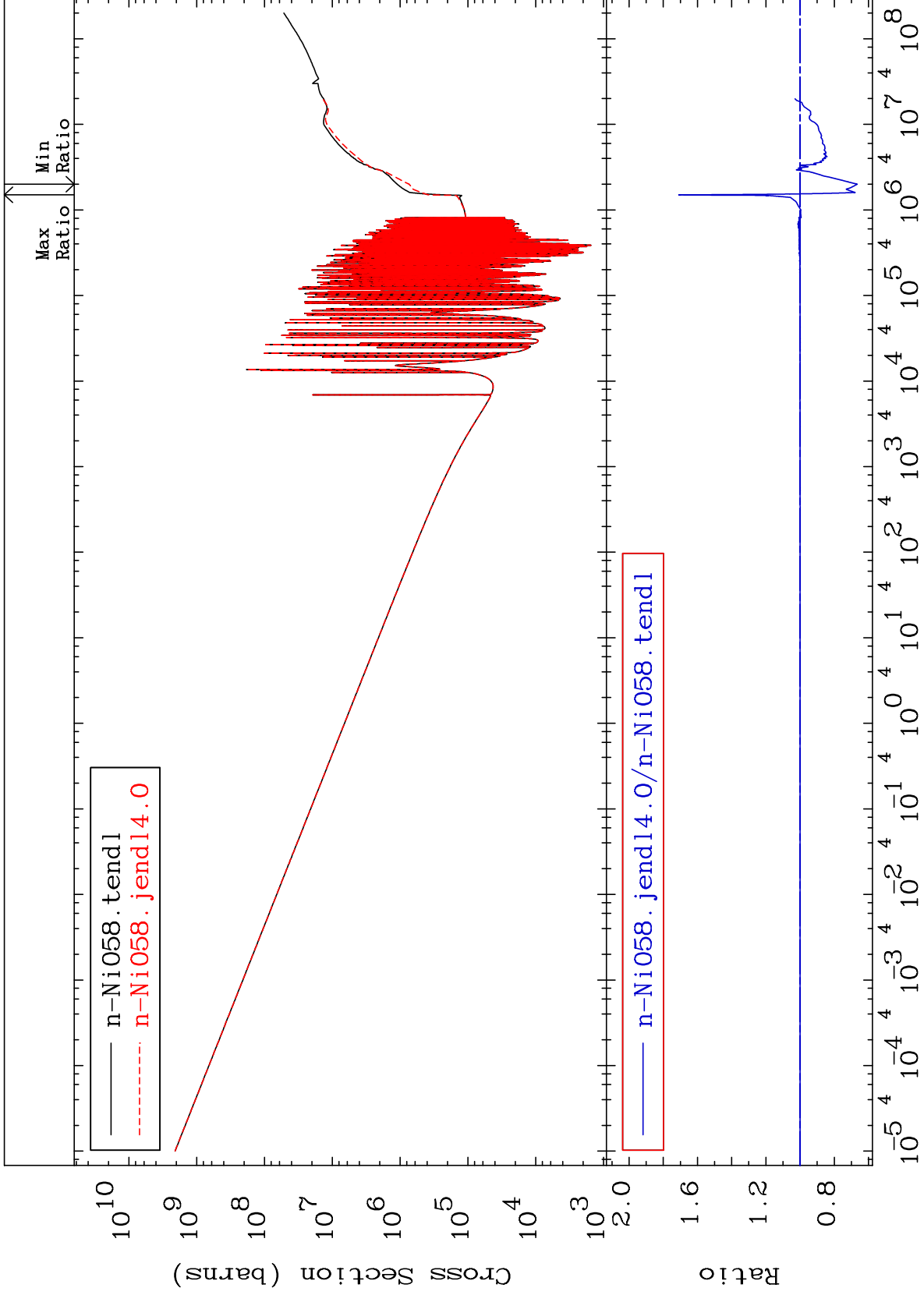


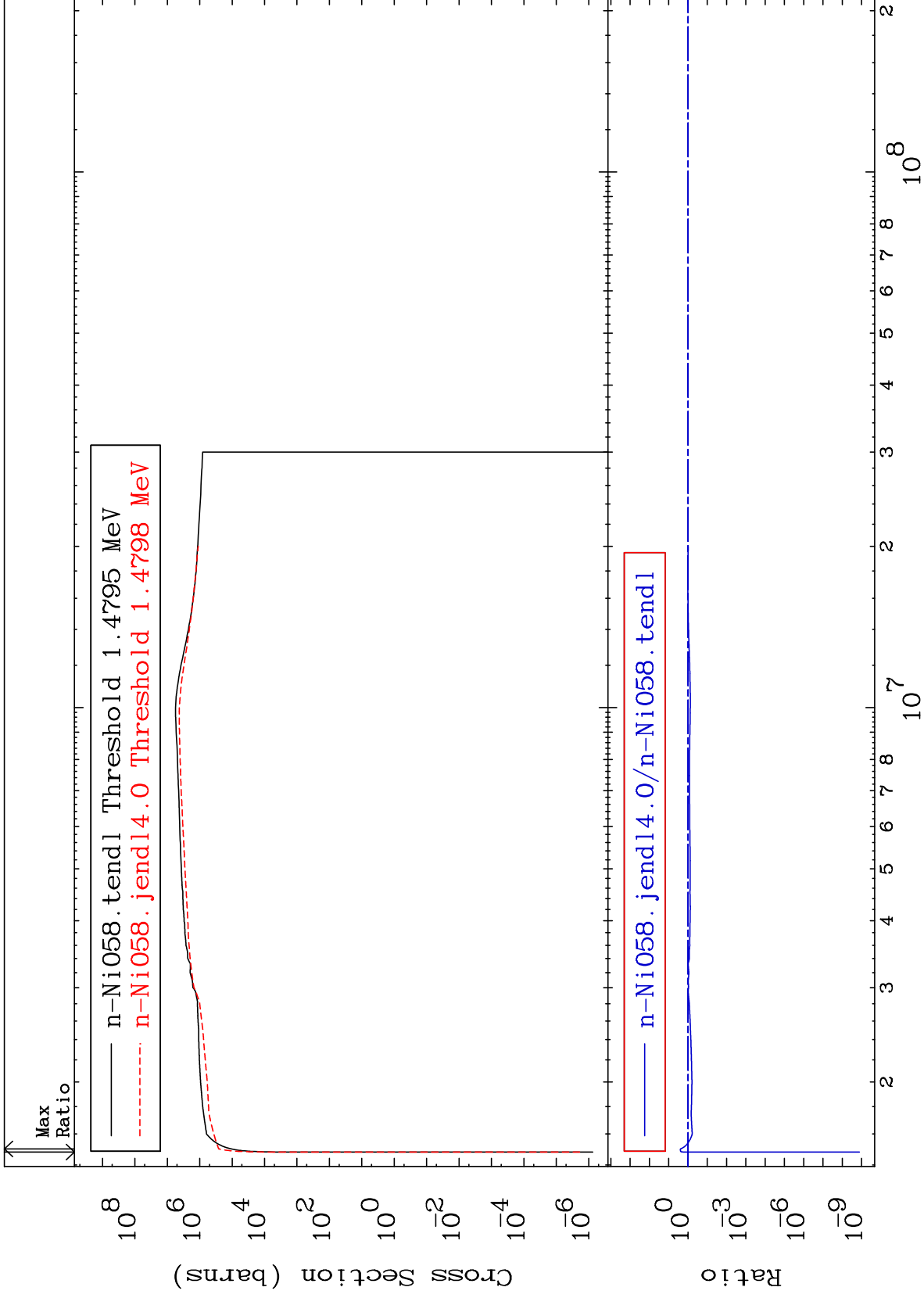


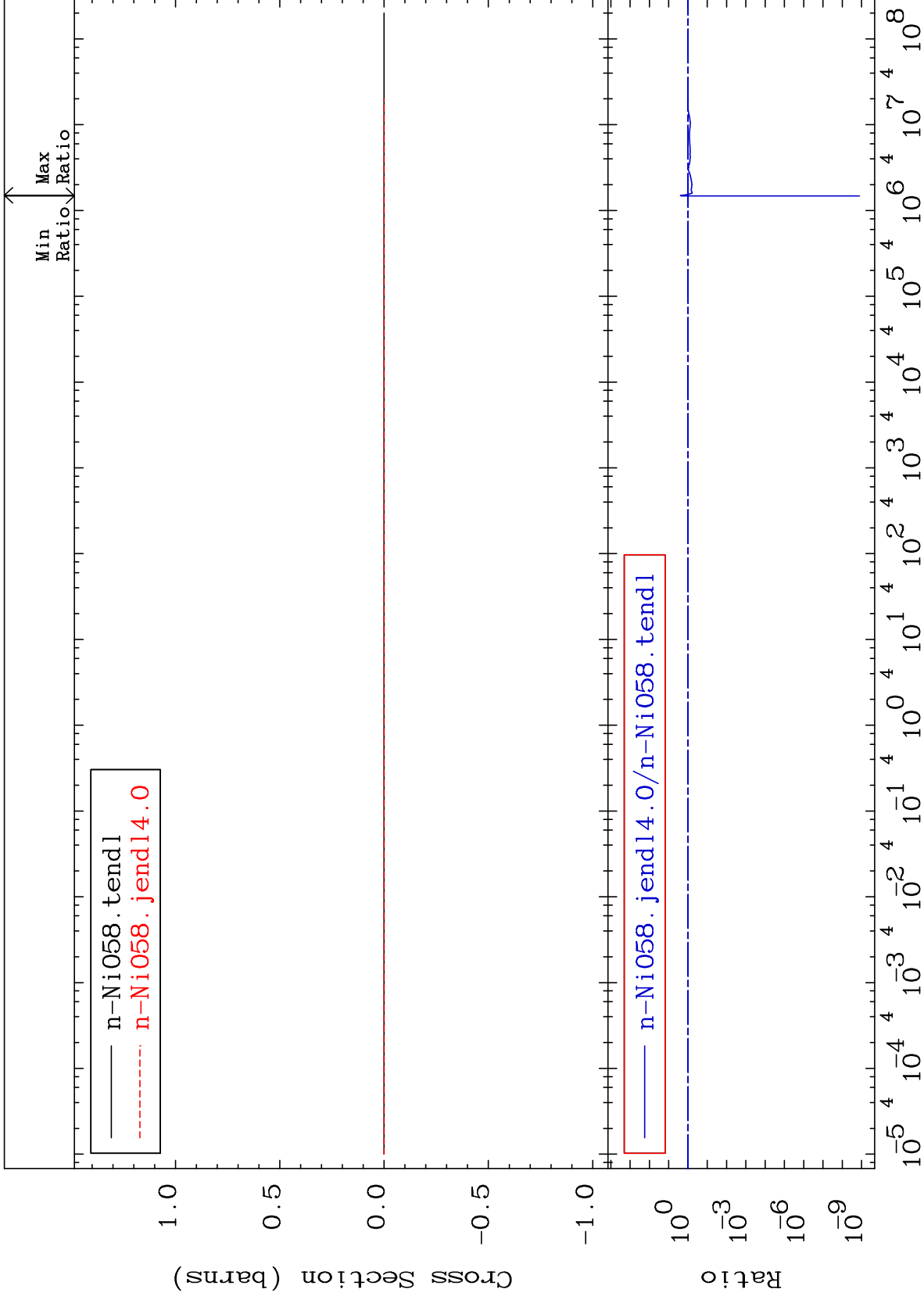








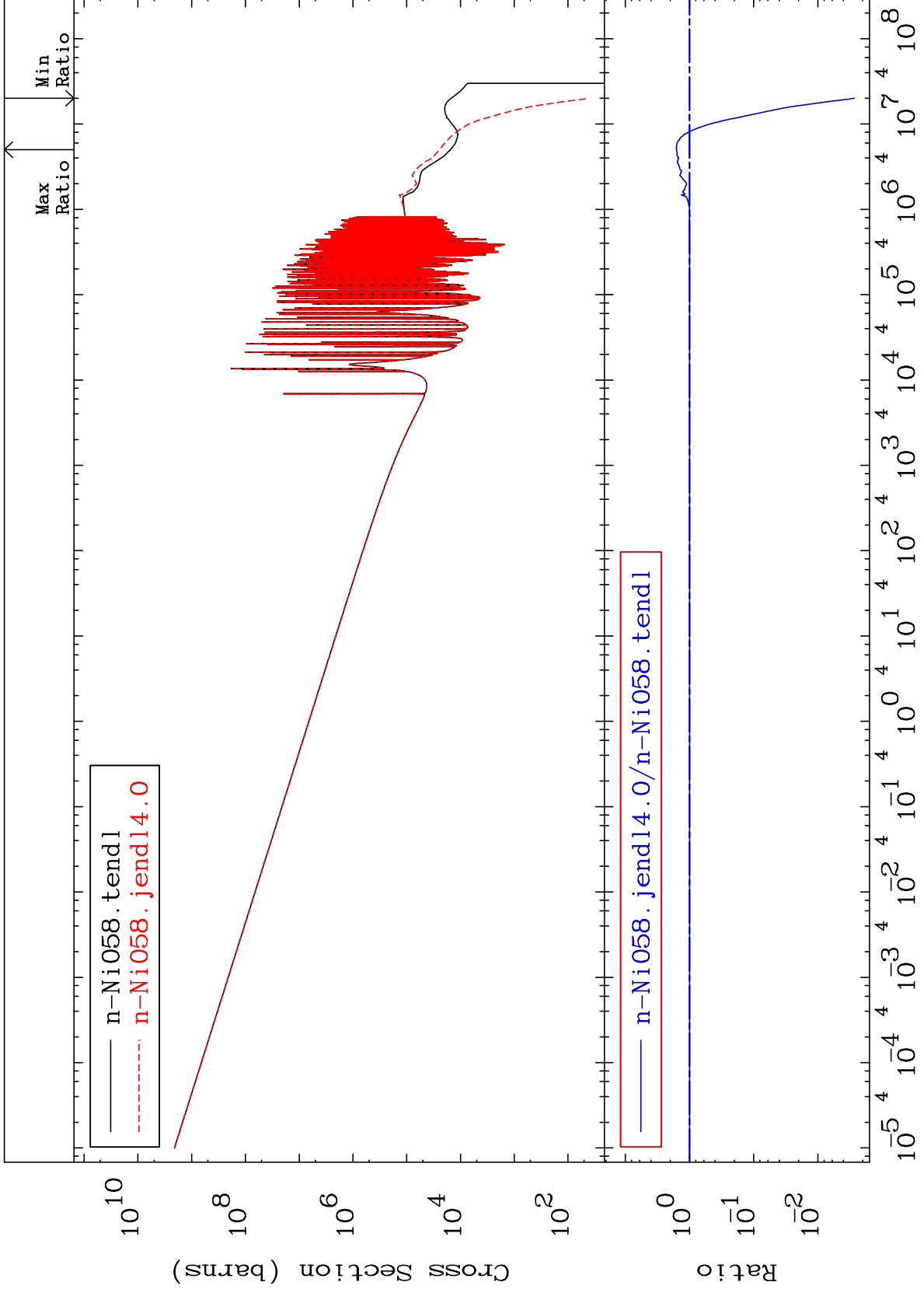




MAT 2825

Kerma capture (mt102)
Cross Section

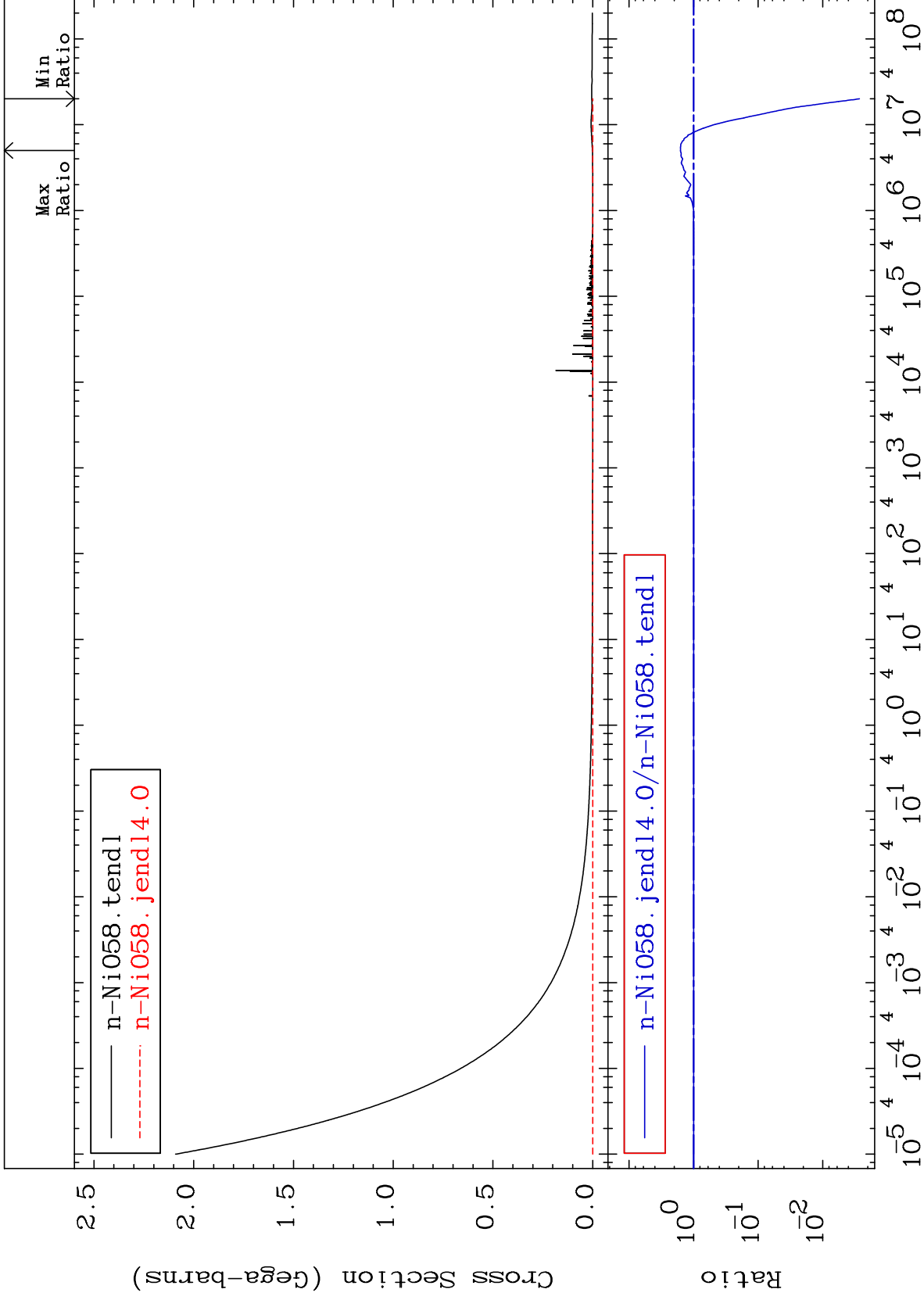
28-Ni-58
-99.73 To 60.56 %



40

Incident Energy (eV)

28-Ni-58



MAT 2825

Total kinematic kerma (high limit)
Cross Section

28-Ni-58
-99.99 To 12.11 %

