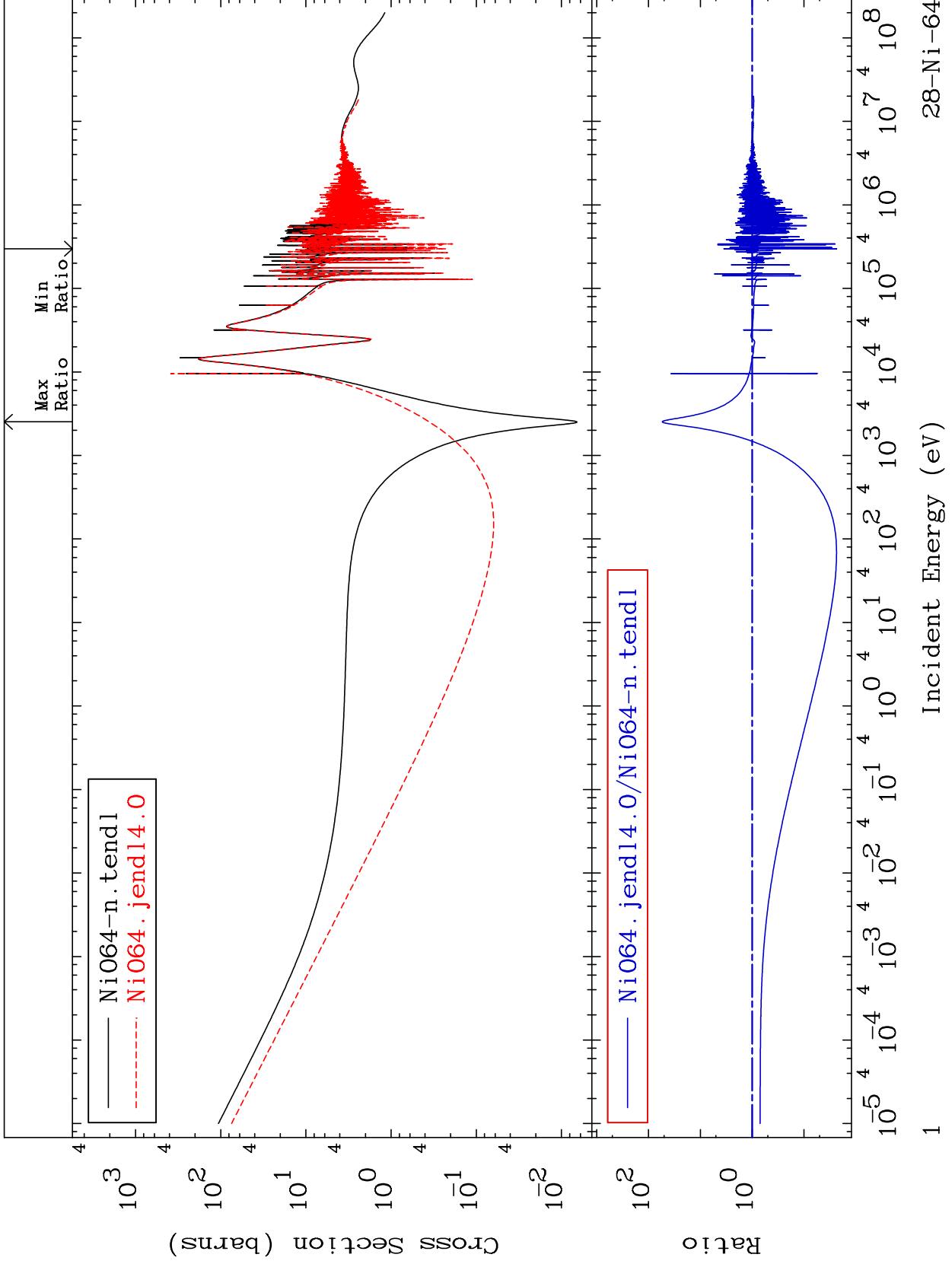


MAT 2843

Total
Cross Section

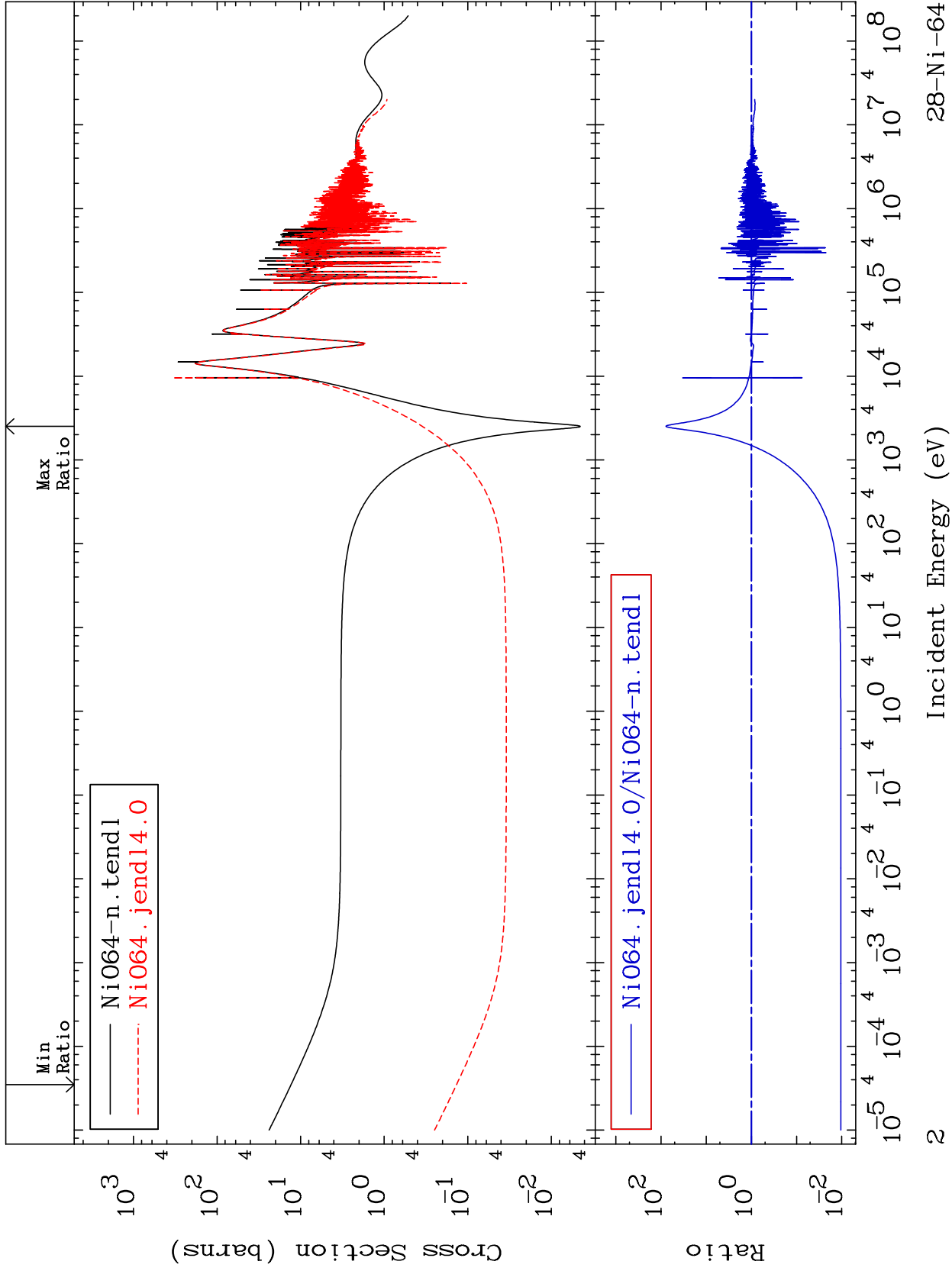
28-Ni-64
-97.66 To 5326. %



MAT 2843

Elastic
Cross Section

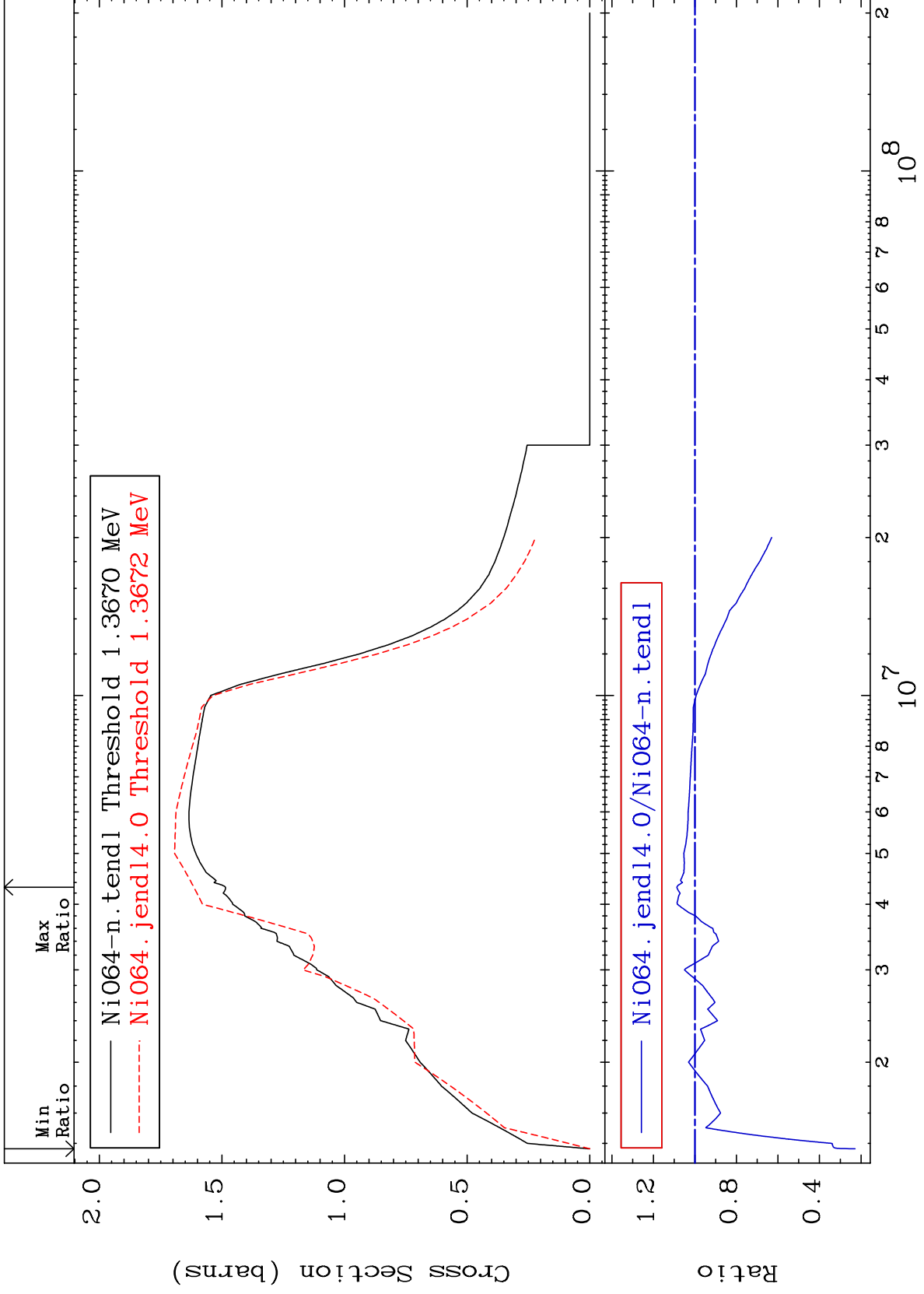
28-Ni-64
-98.95 To 7681. %



MAT 2843

Inelastic
Cross Section

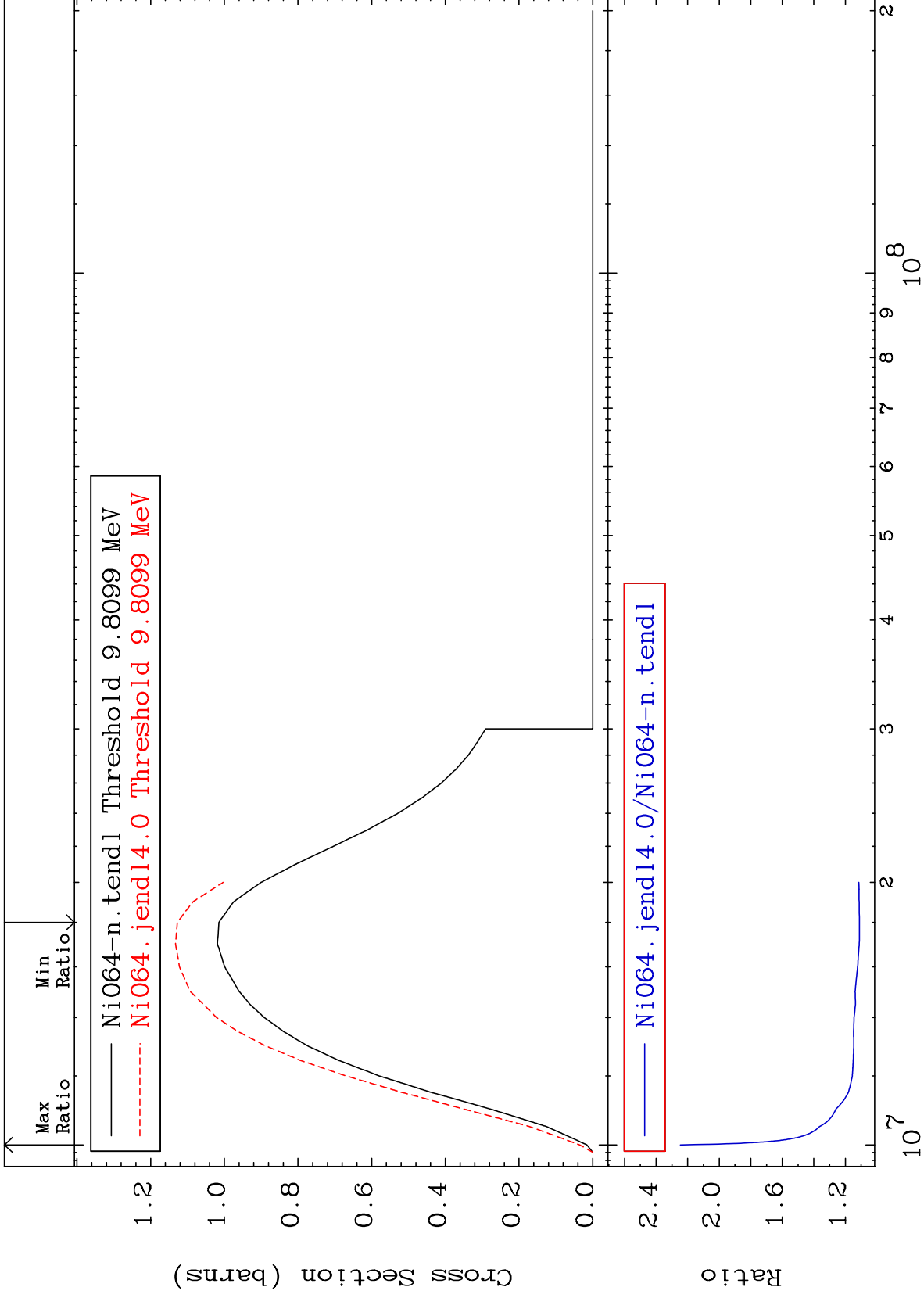
²⁸Ni-64
-77.14 To 8.674 %



MAT 2843

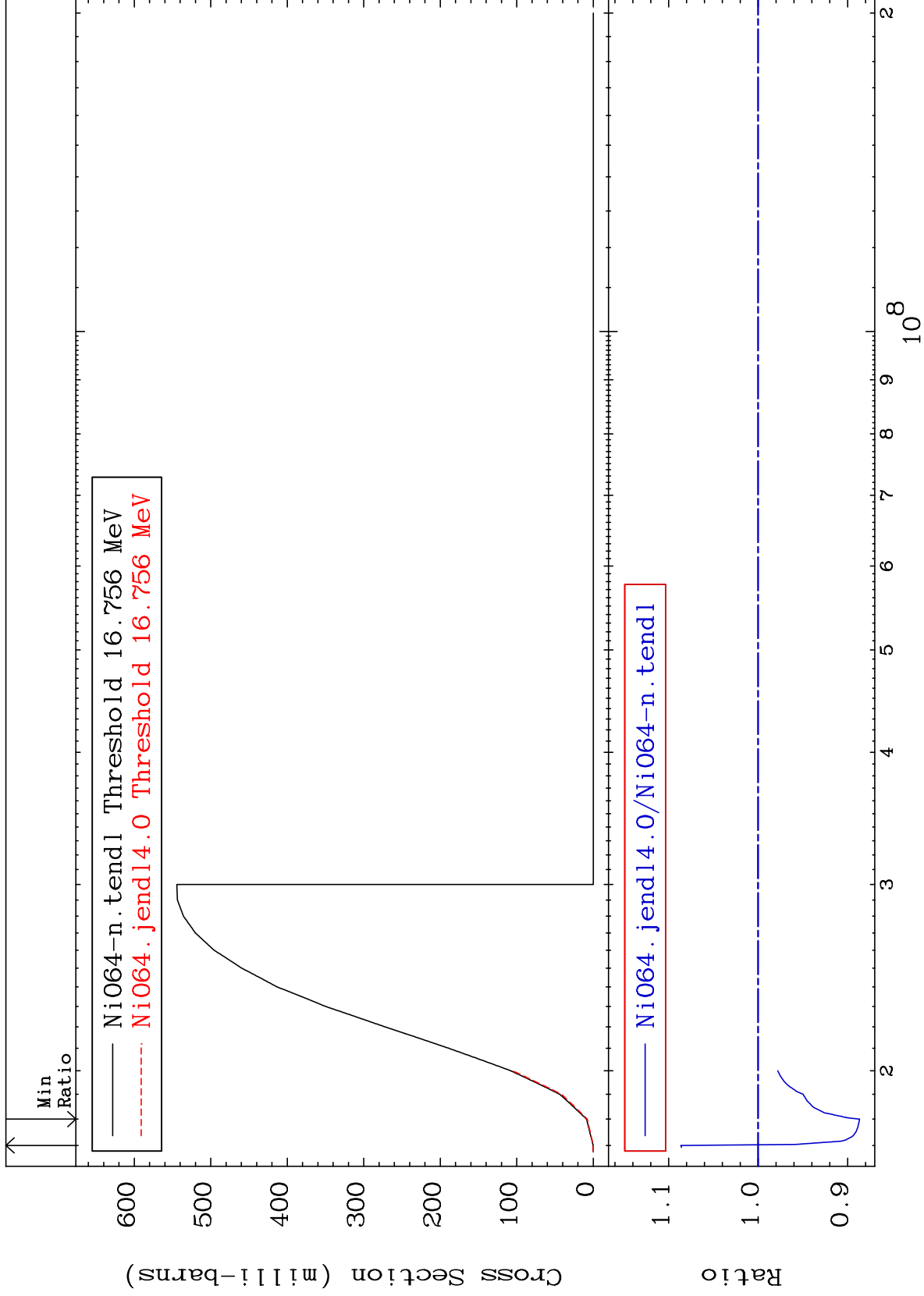
(n,2n)
Cross Section

28-Ni-64
11.11 To 124.6 %



28-Ni-64

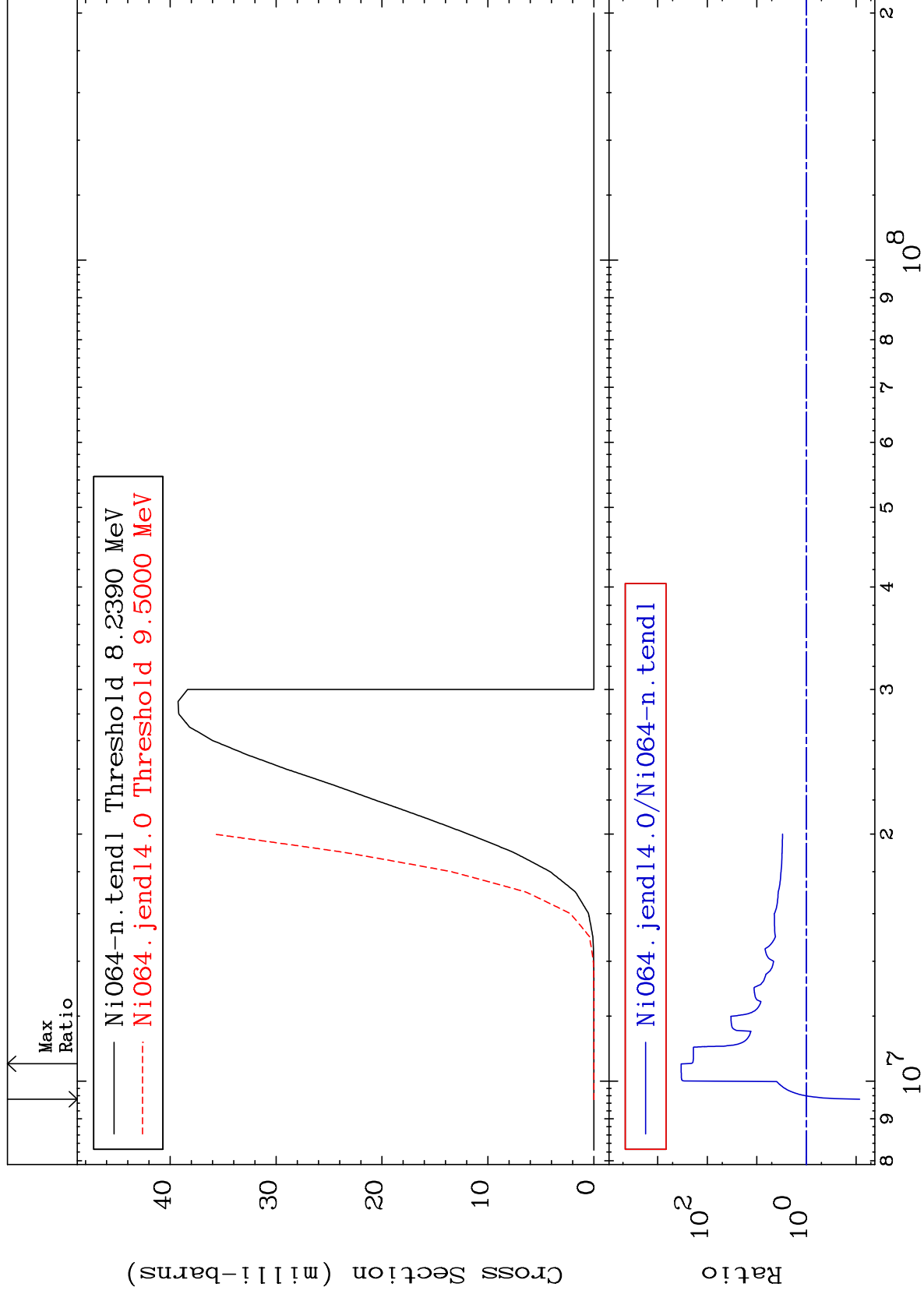
28-Ni-64



MAT 2843

(n, n') α
Cross Section

28-Ni-64
-91.54 To 9999. %



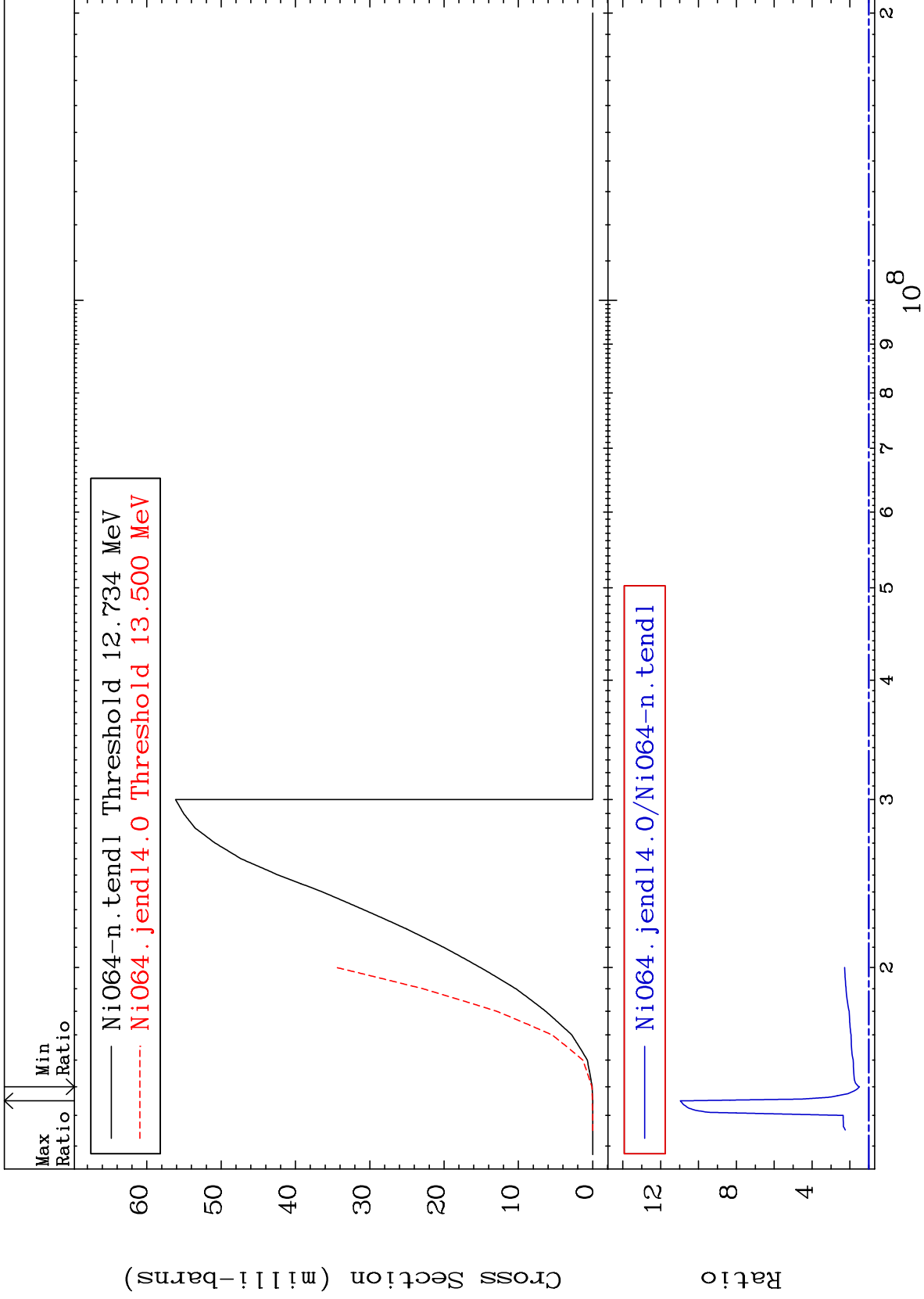
Incident Energy (eV)

28-Ni-64

MAT 2843

(n,n') p
Cross Section

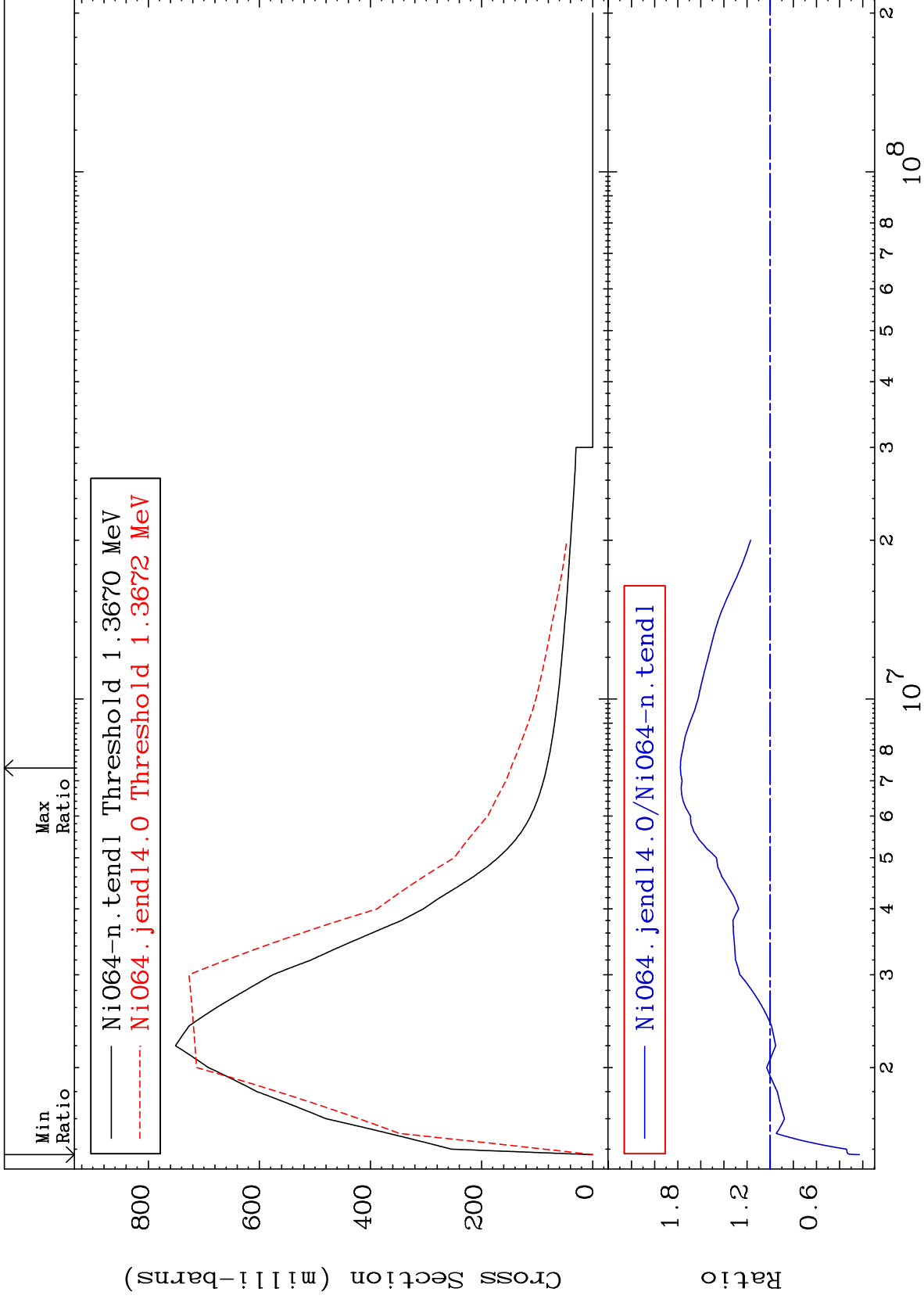
28-Ni-64
49.75 To 996.2 %



MAT 2843

1.346 MeV (n,n') Level
Cross Section

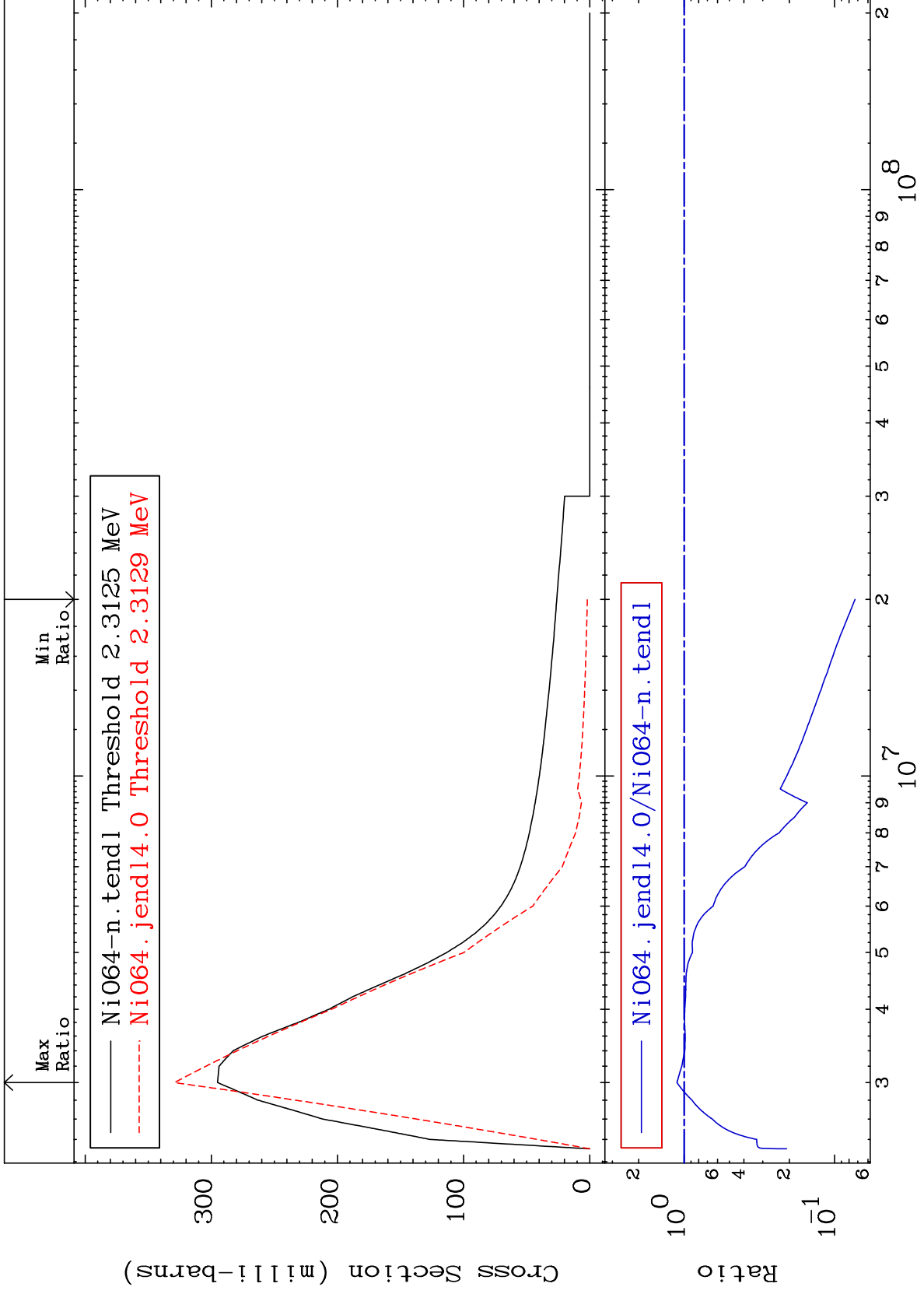
28-Ni-64
-77.14 To 77.72 %



MAT 2843

2.277 MeV (n,n') Level
Cross Section

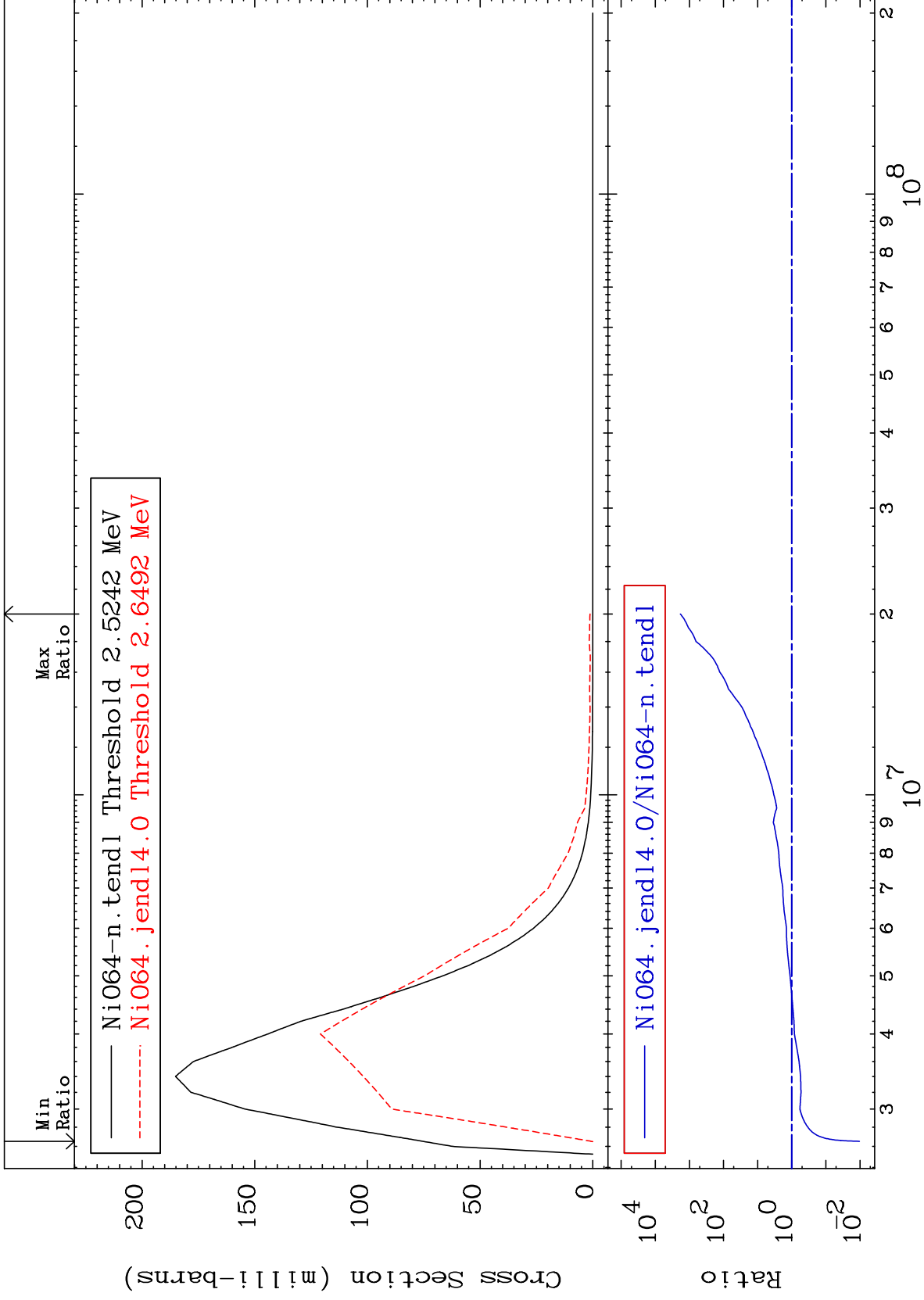
28-Ni-64
-92.70 To 11.53 %



MAT 2843

2.485 MeV (n,n') Level
Cross Section

28-Ni-64
-98.96 To 9999. %



10

Incident Energy (eV)

28-Ni-64

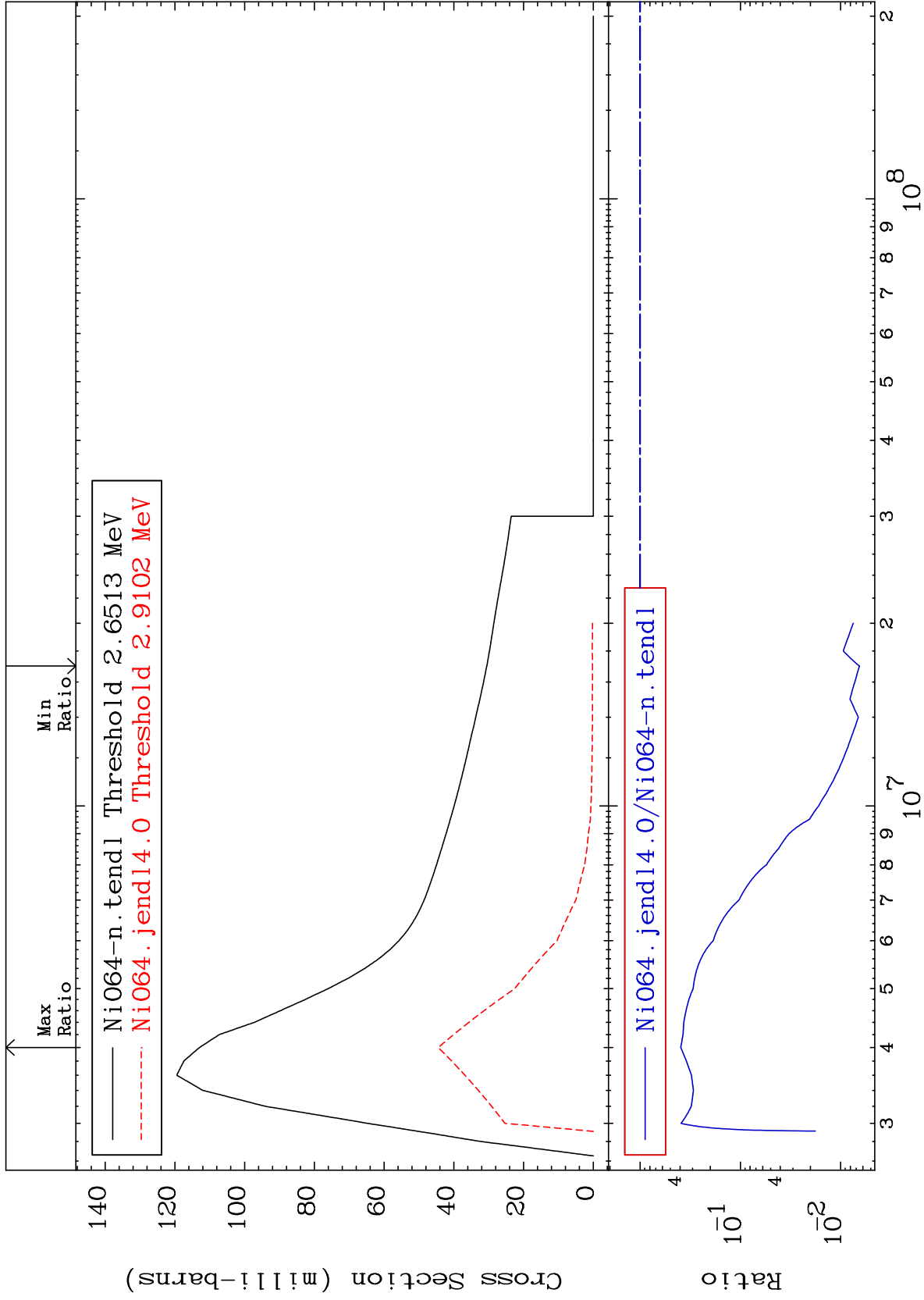
MAT 2843

2.610 MeV (n,n') Level

28-Ni-64

-99.35 To -60.65%

Cross Section



11

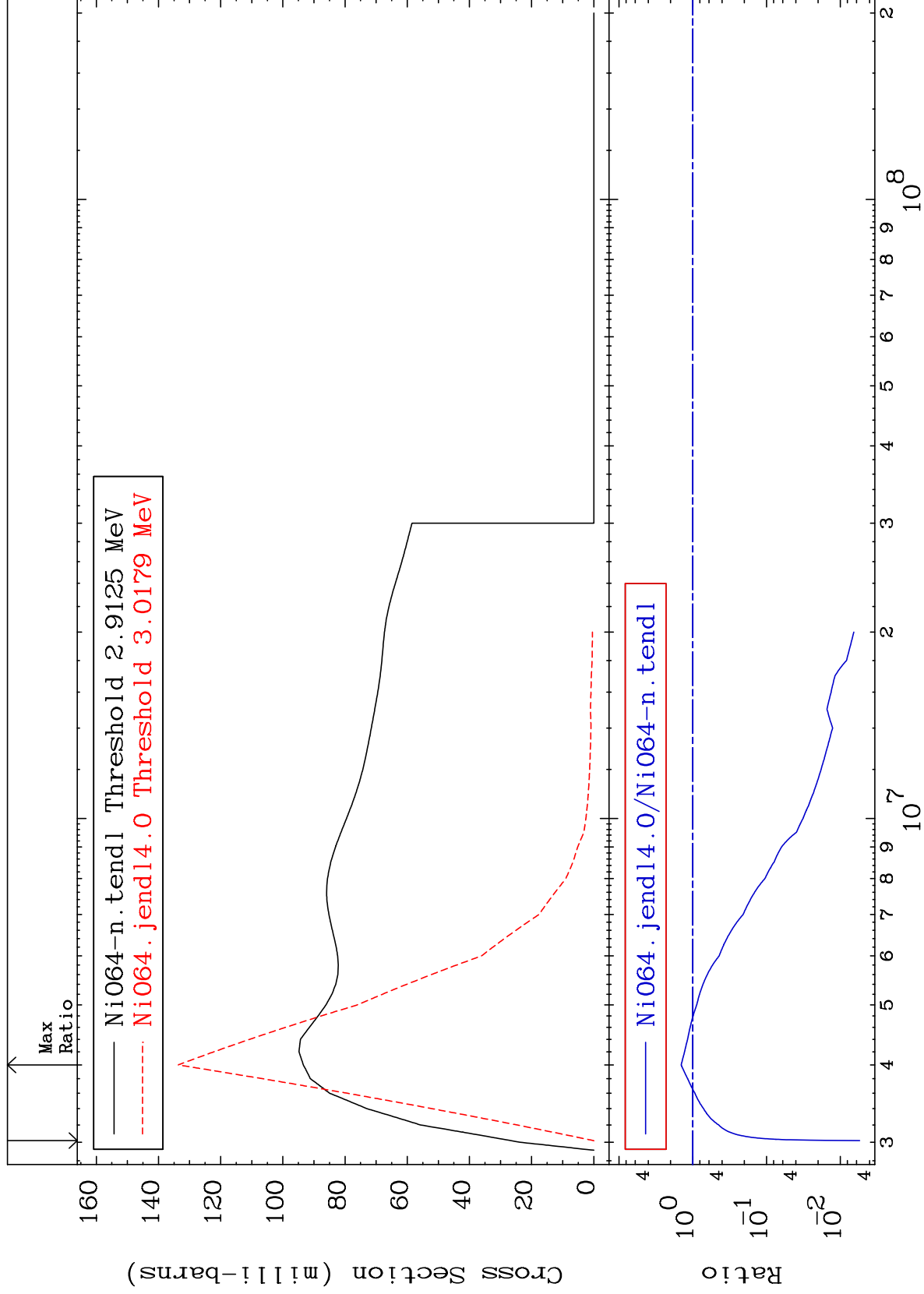
Incident Energy (eV)

28-Ni-64

MAT 2843

2.867 MeV (n,n') Level
Cross Section

28-Ni-64
-99.45 To 43.16 %



12

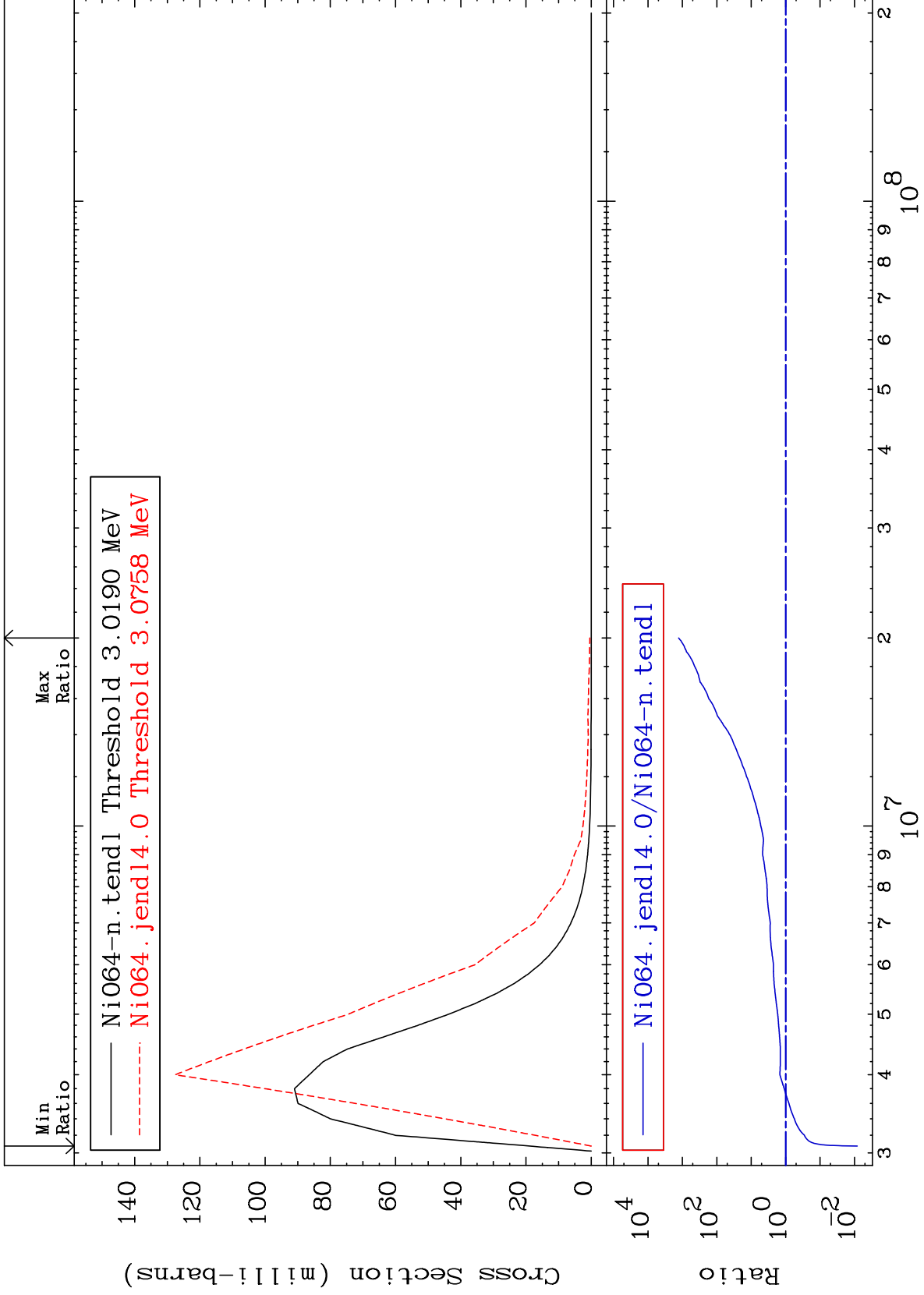
Incident Energy (eV)

28-Ni-64

MAT 2843

2.972 MeV (n,n') Level
Cross Section

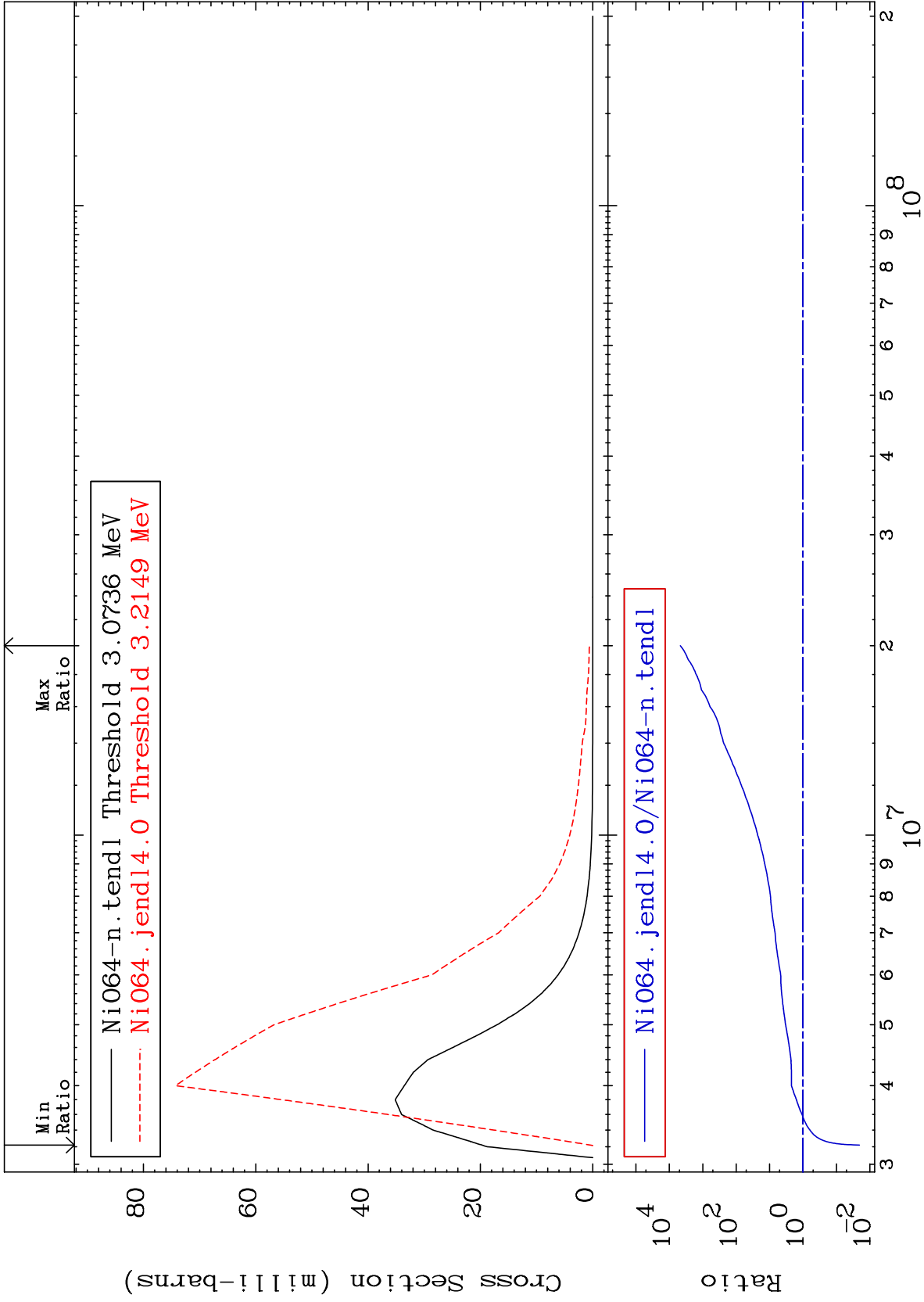
28-Ni-64
-99.17 To 9999. %



MAT 2843

3.026 MeV (n,n') Level
Cross Section

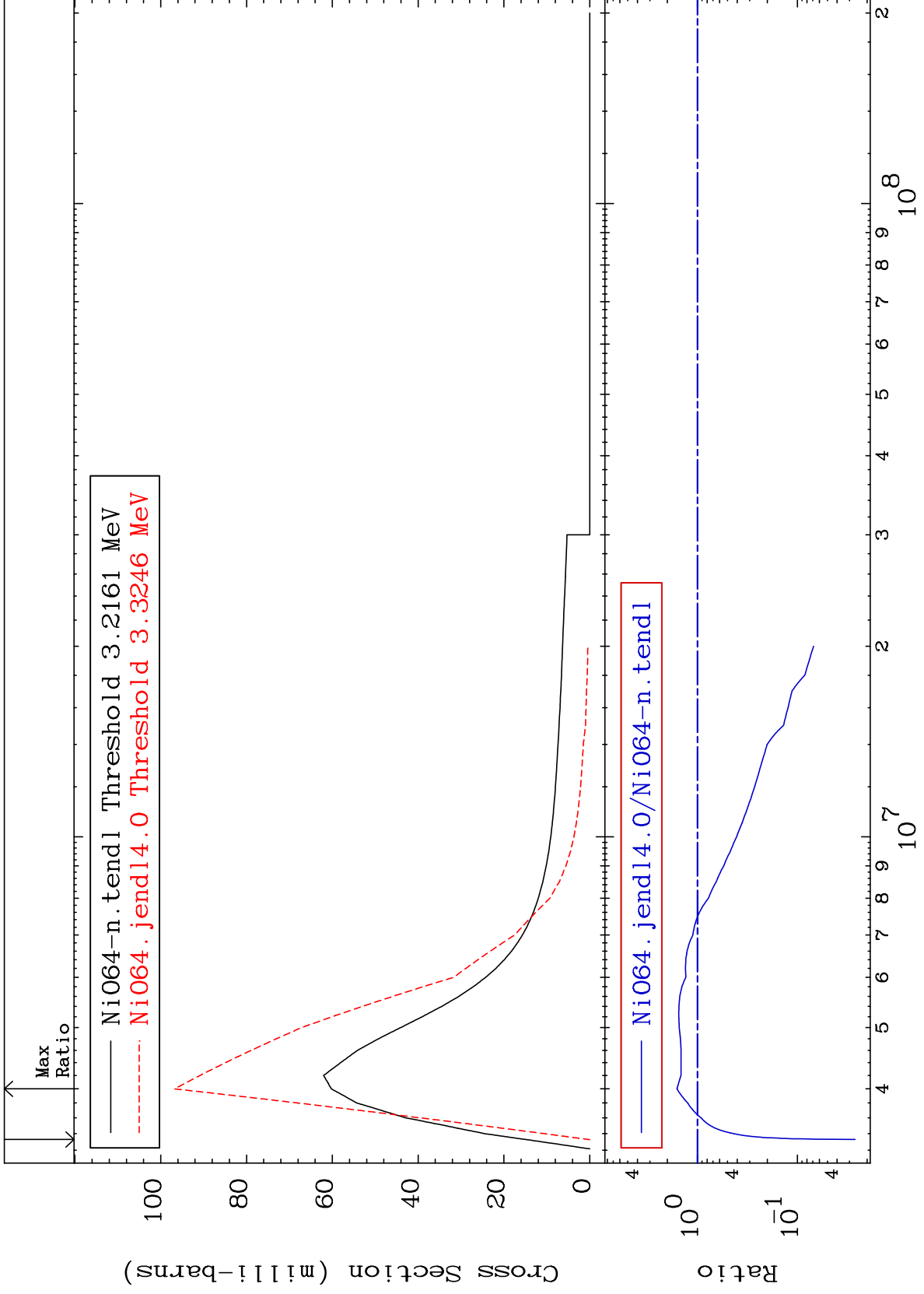
28-Ni-64
-97.95 To 9999. %



MAT 2843

3.166 MeV (n,n') Level
Cross Section

28-Ni-64
-97.36 To 60.66 %



15

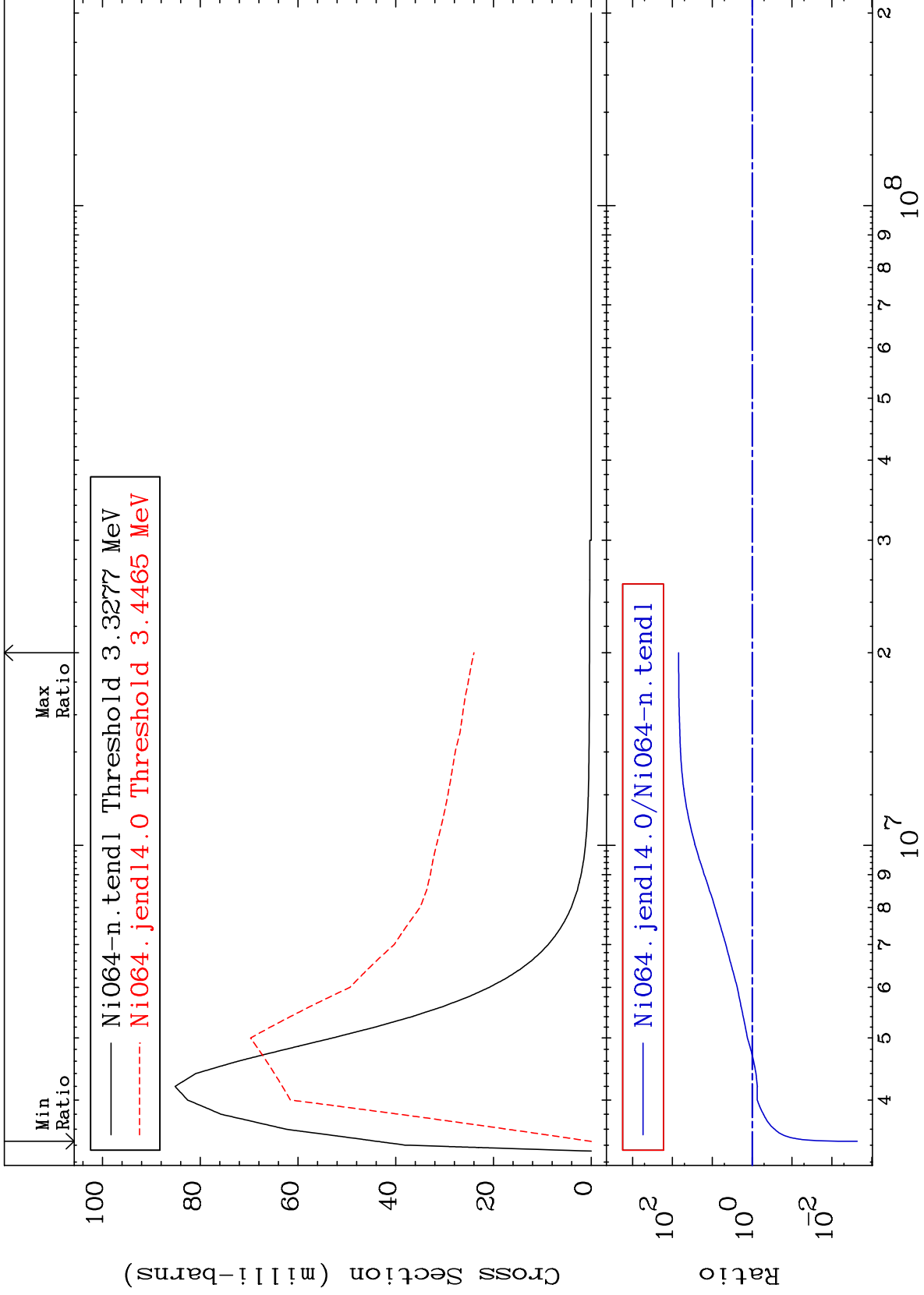
28-Ni-64

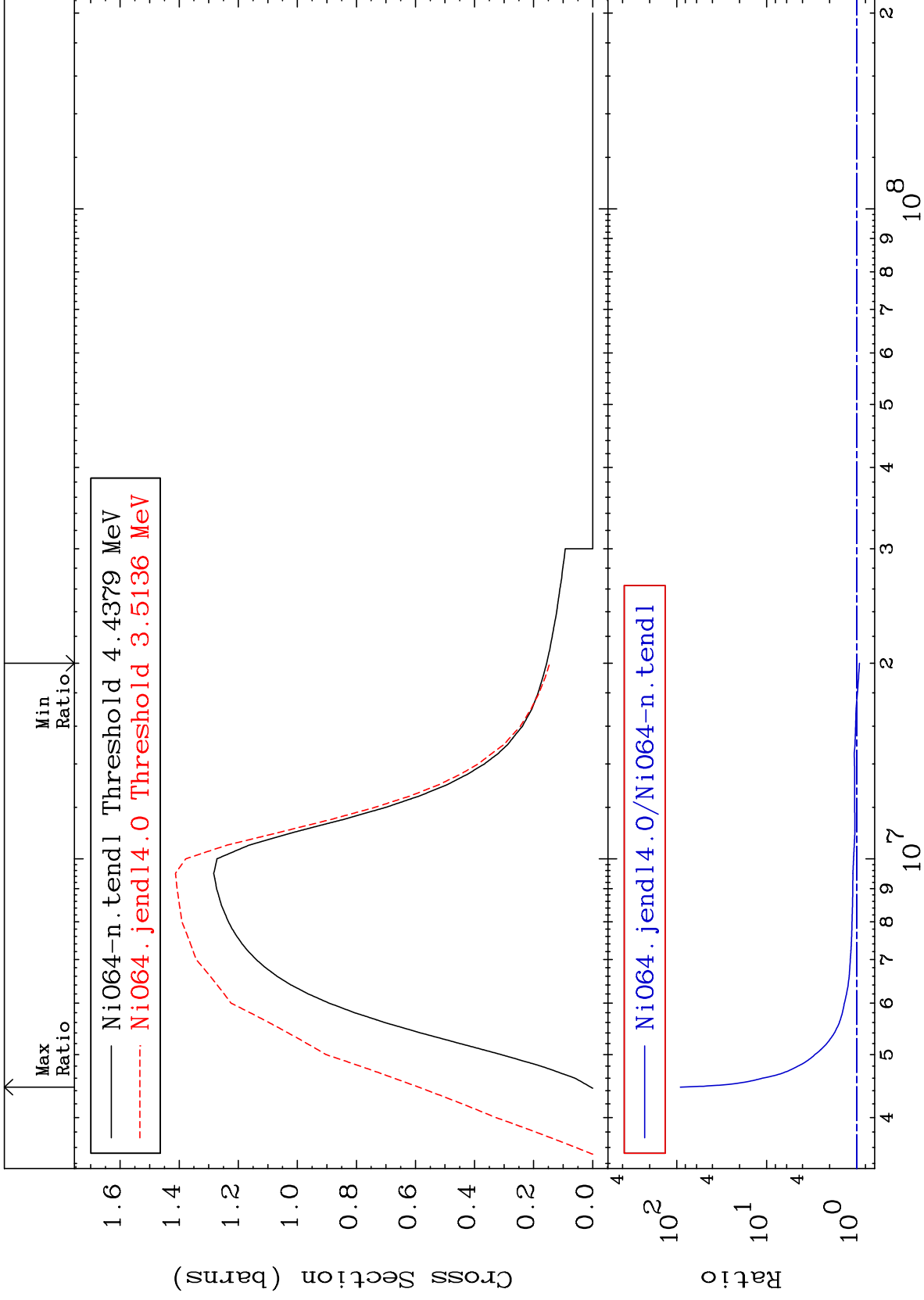
28-Ni-64

MAT 2843

3.276 MeV (n,n') Level
Cross Section

28-Ni-64
-99.77 To 6886. %



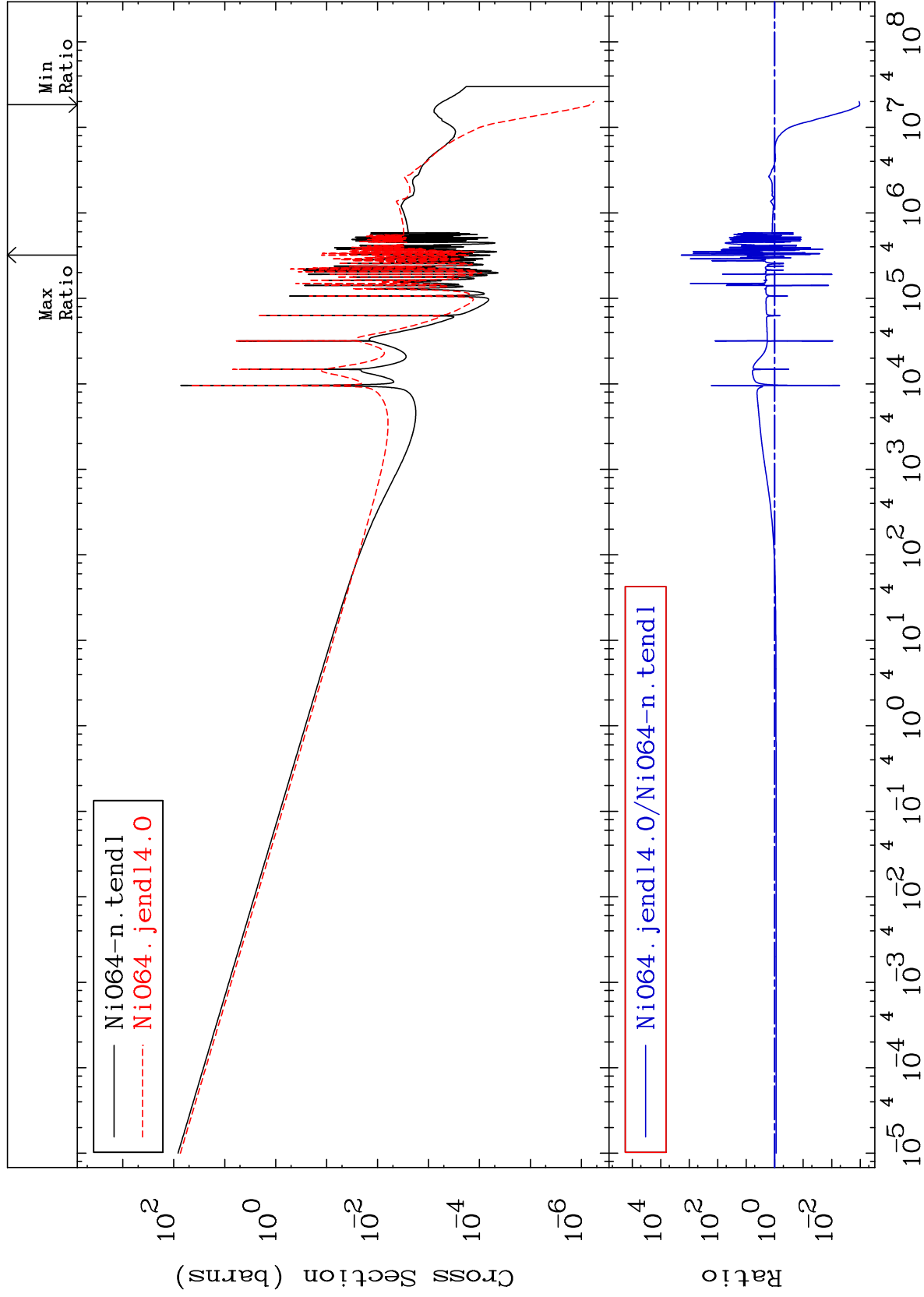


MAT 2843

(n, γ)
Cross Section

28-Ni-64

-99.90 To 9999. %



18

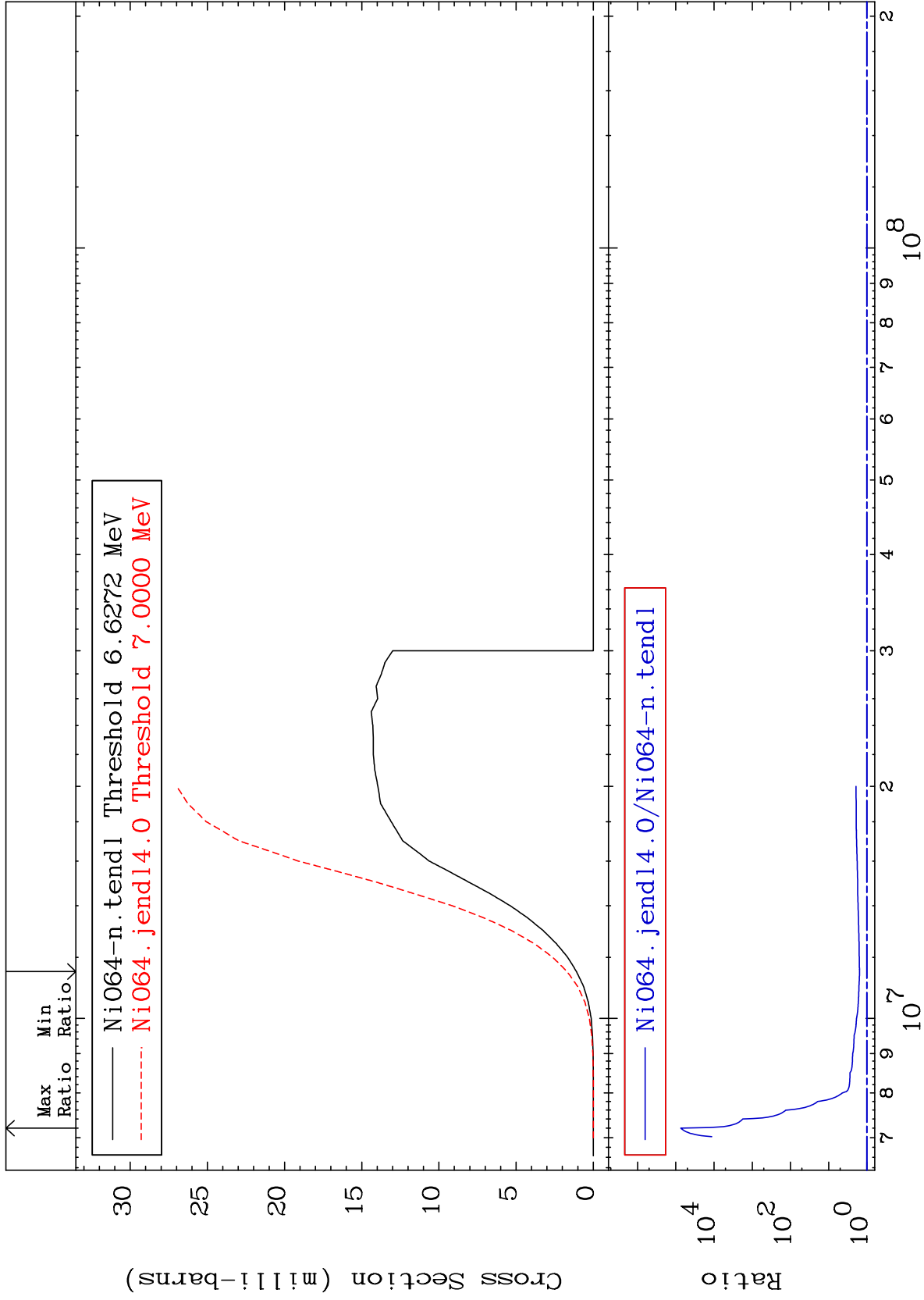
Incident Energy (eV)

28-Ni-64

MAT 2843

(n,p)
Cross Section

28-Ni-64
55.67 To 9999. %



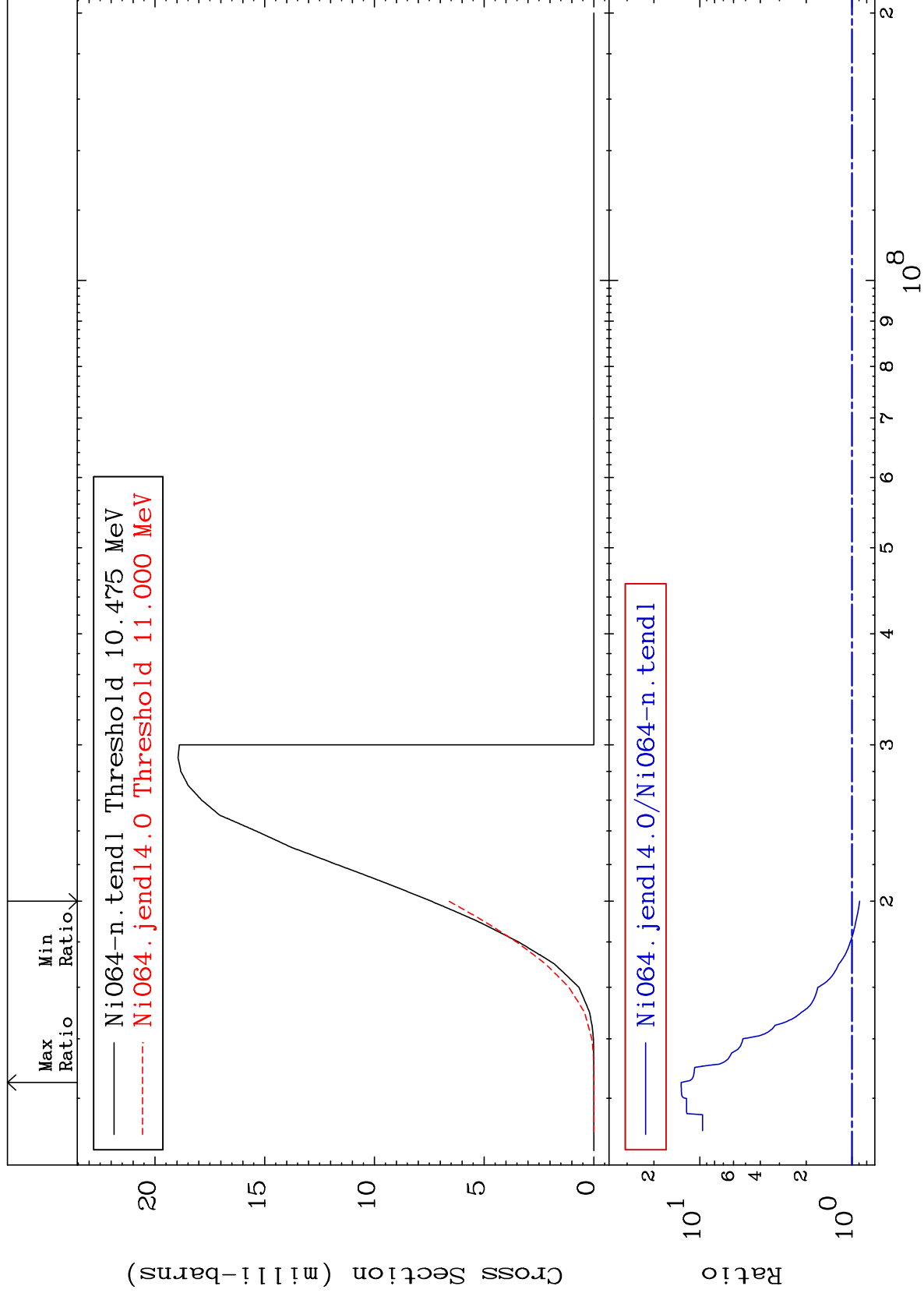
19

Incident Energy (eV)

28-Ni-64

Cross Section

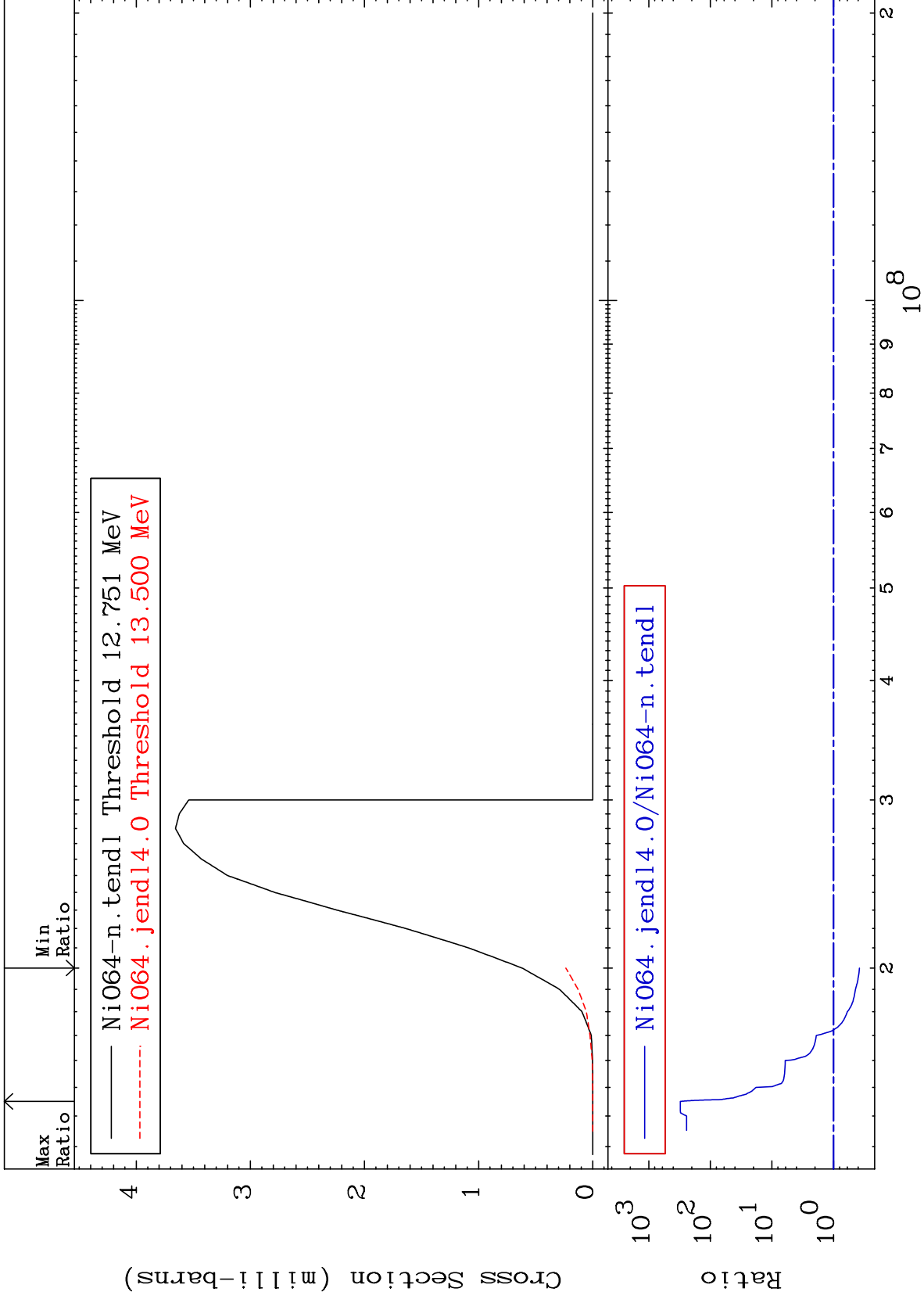
-10.87 To 1224. %



MAT 2843

(n, t)
Cross Section

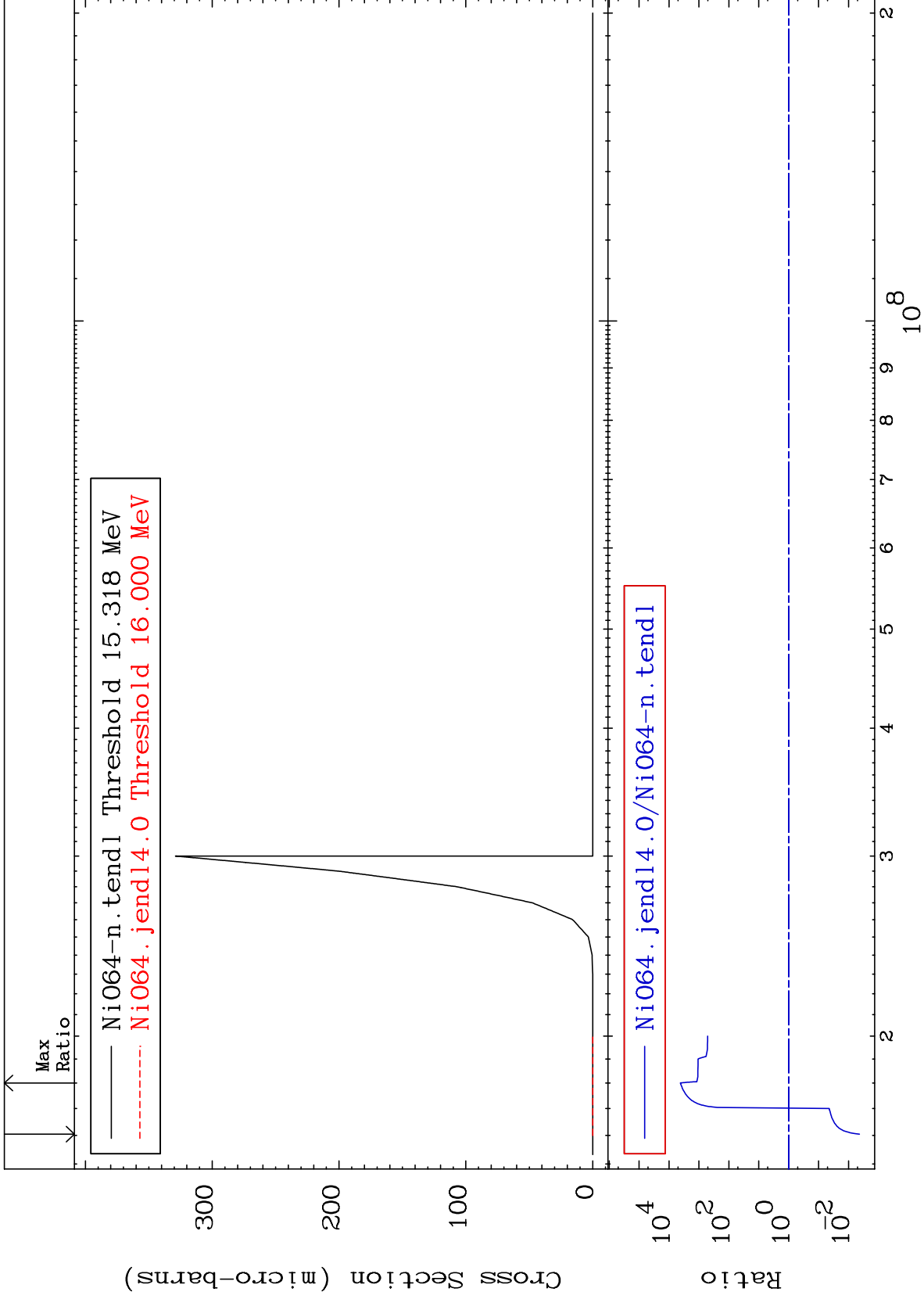
28-Ni-64
-61.96 To 9999. %



MAT 2843

(n, He-3)
Cross Section

28-Ni-64
-99.57 To 9999. %



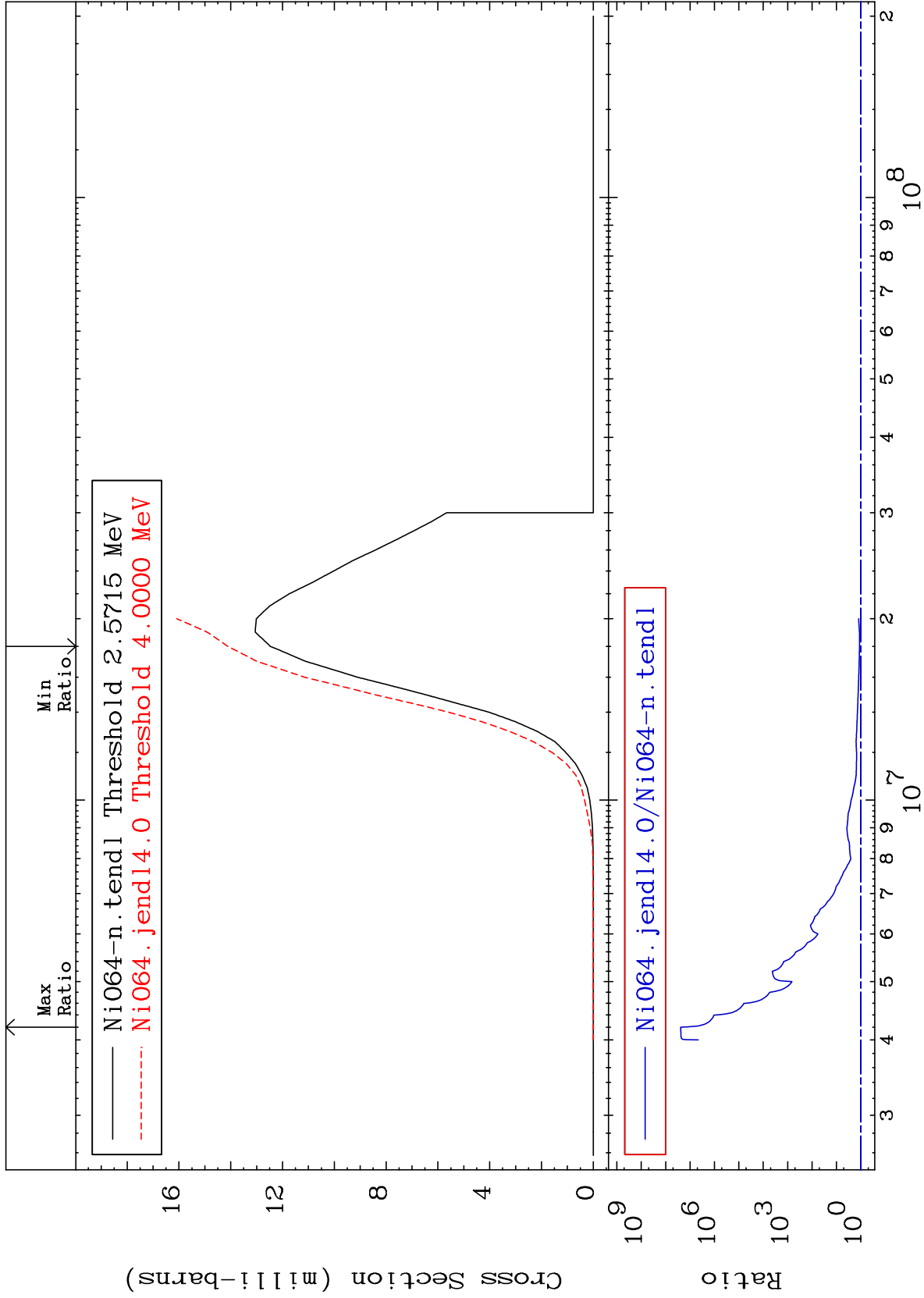
MAT 2843

(n, α)

²⁸Ni-64

Cross Section

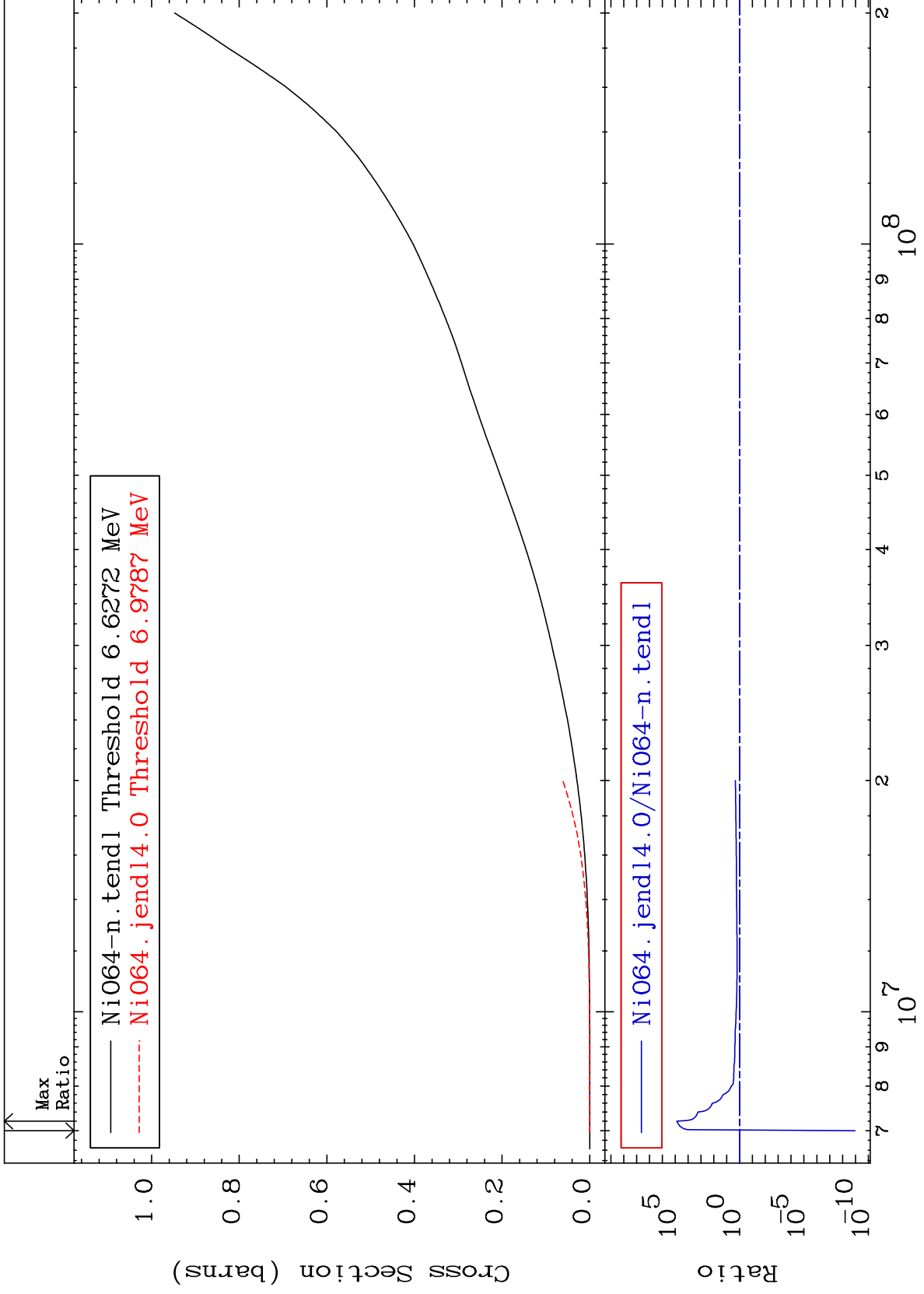
13.17 To 9999. %



MAT 2843

Hydrogen Production
Cross Section

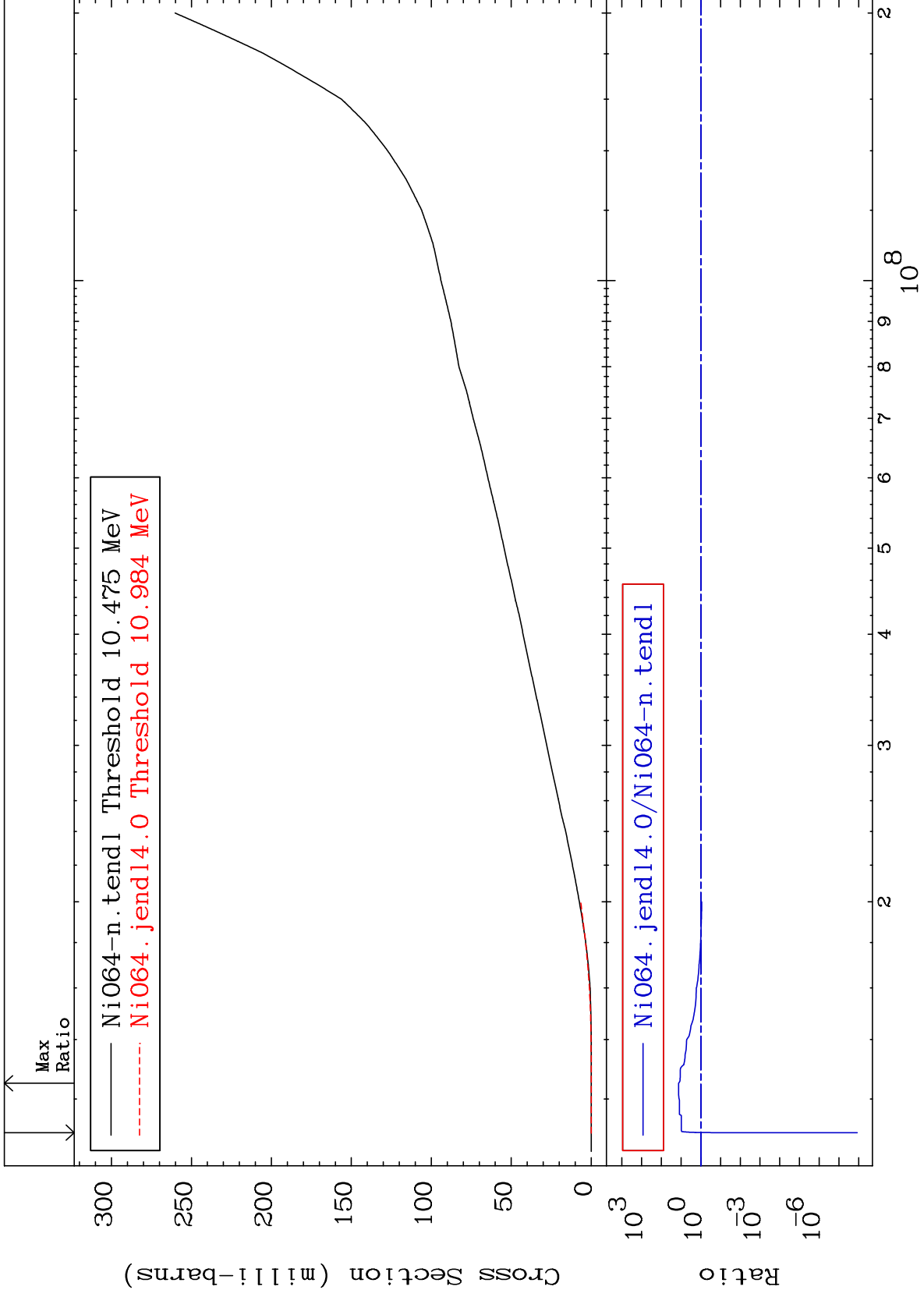
²⁸Ni-64
-100.0 To 9999. %

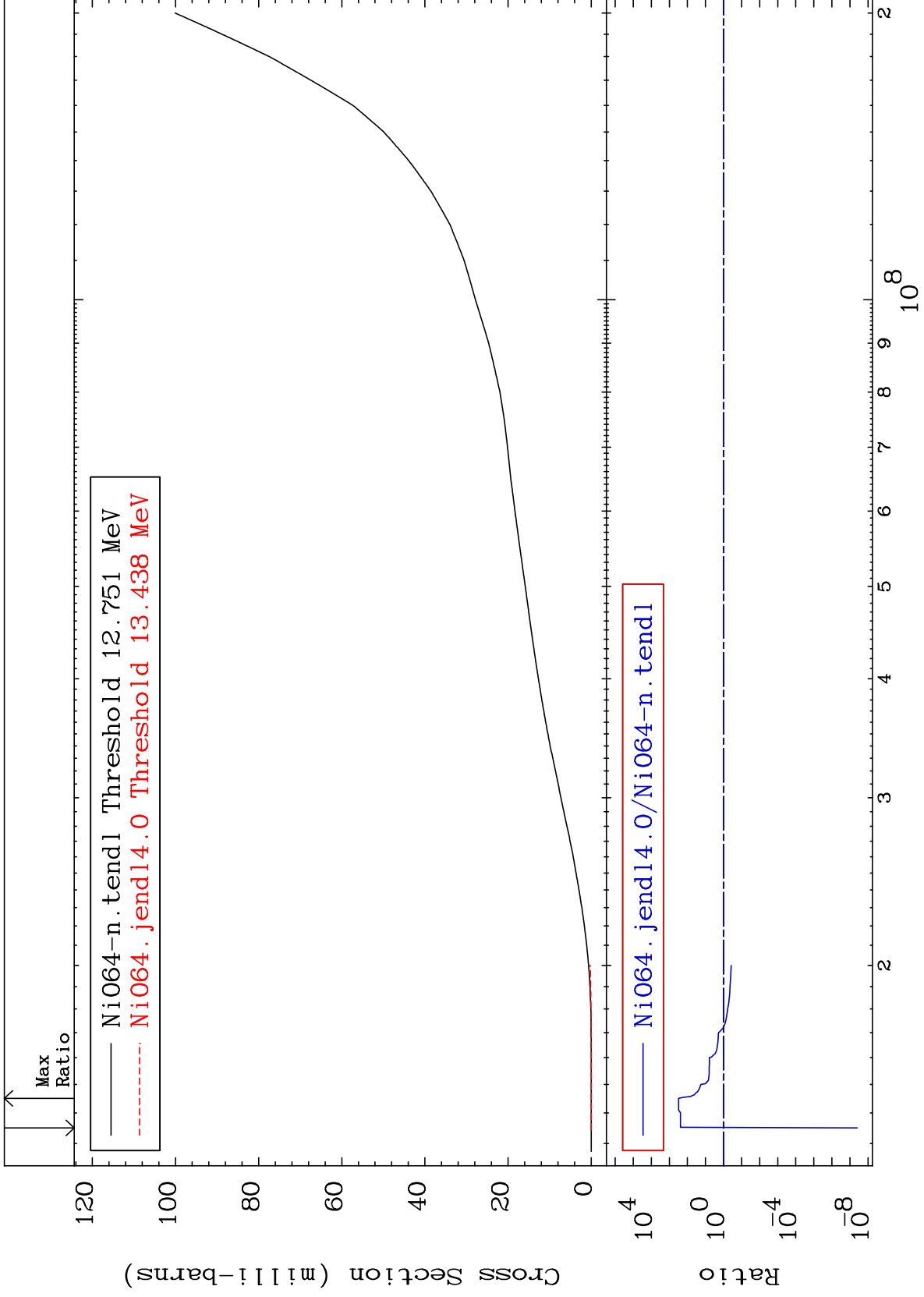


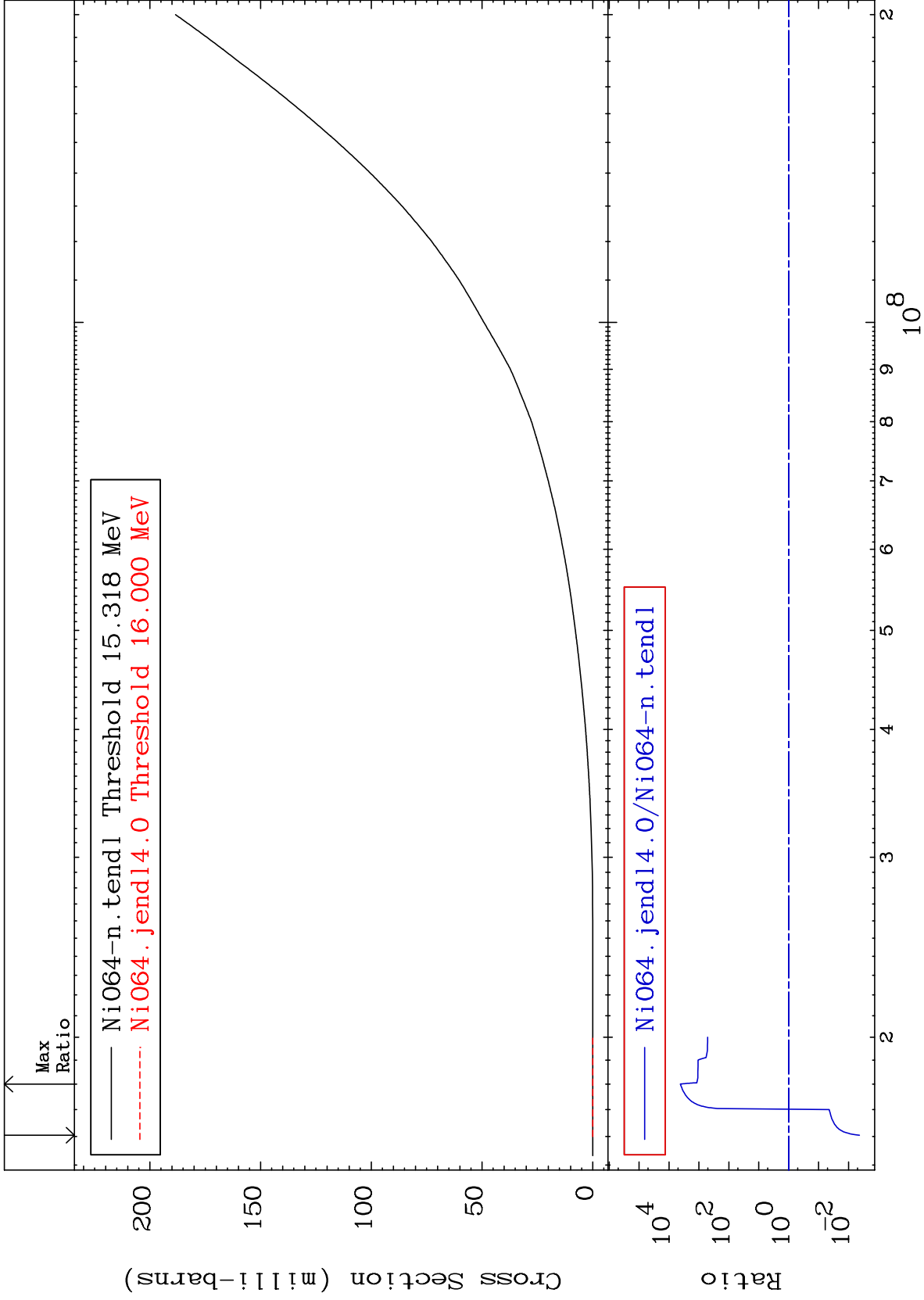
MAT 2843

Deuterium Production
Cross Section

²⁸Ni-64
-100.0 To 1224. %



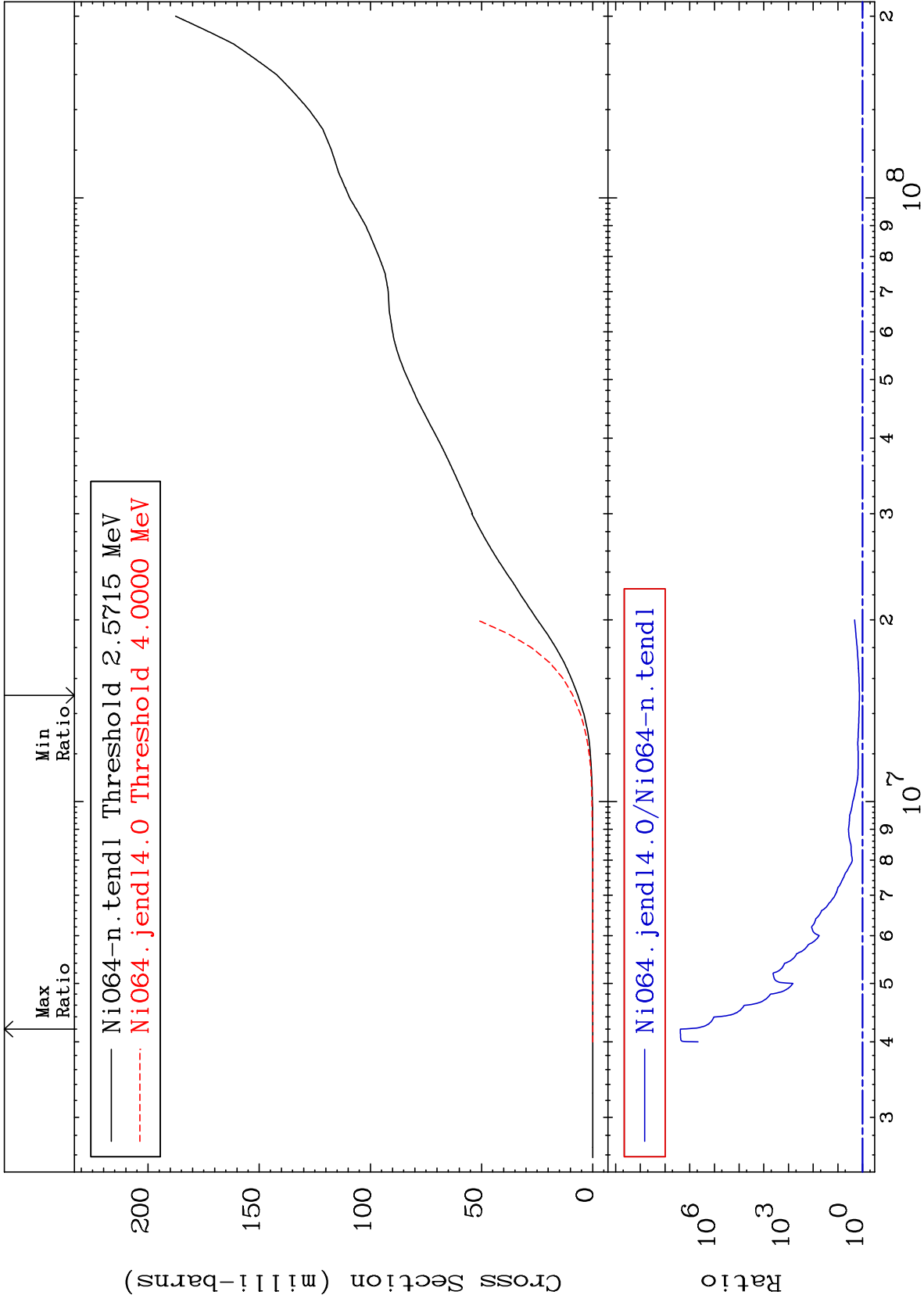




MAT 2843

He-4 Production
Cross Section

28-Ni-64
34.21 To 9999. %



28

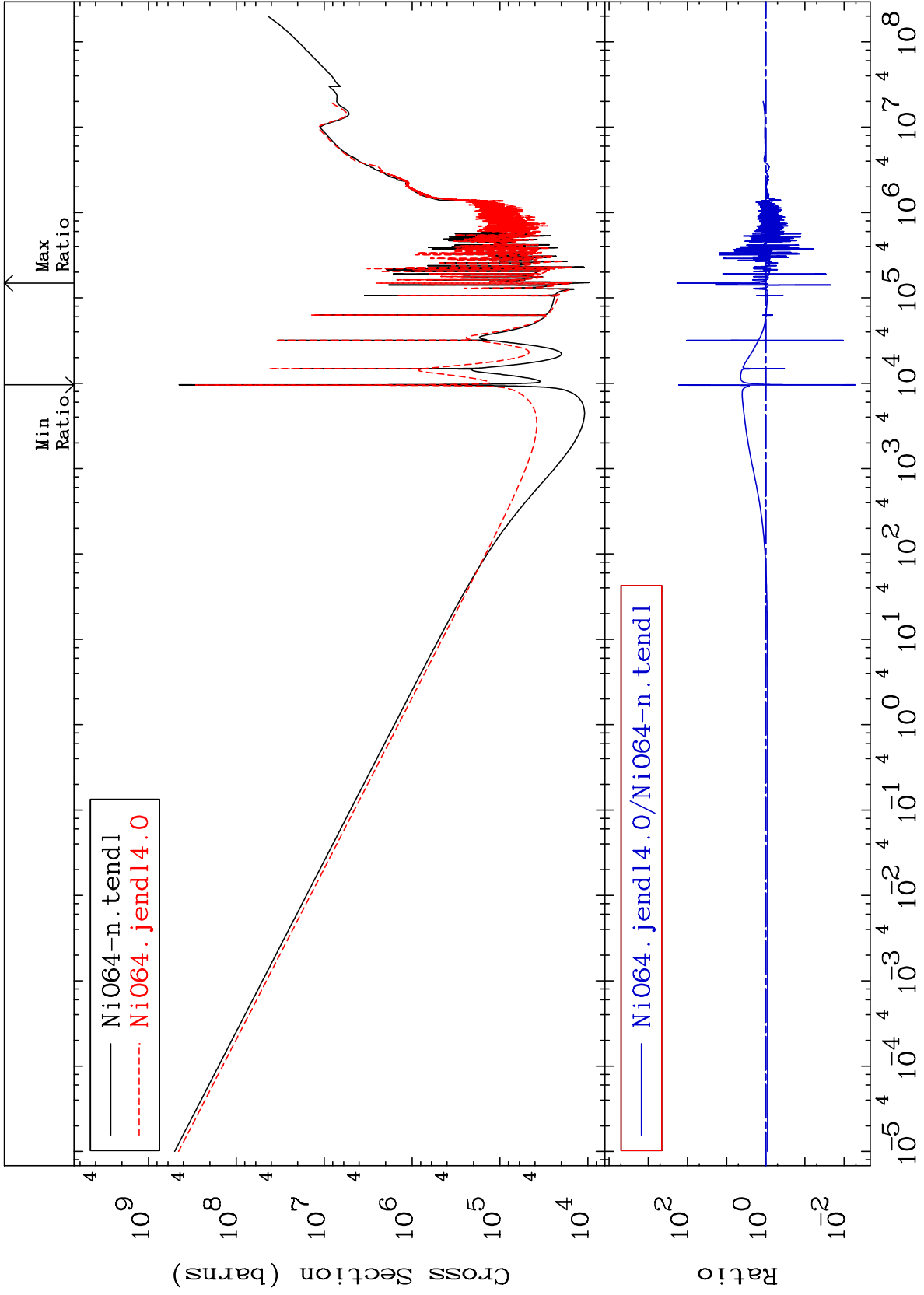
Incident Energy (eV)

28-Ni-64

MAT 2843

Kerma total (eV-barns)
Cross Section

28-Ni-64
-99.47 To 9999. %



29

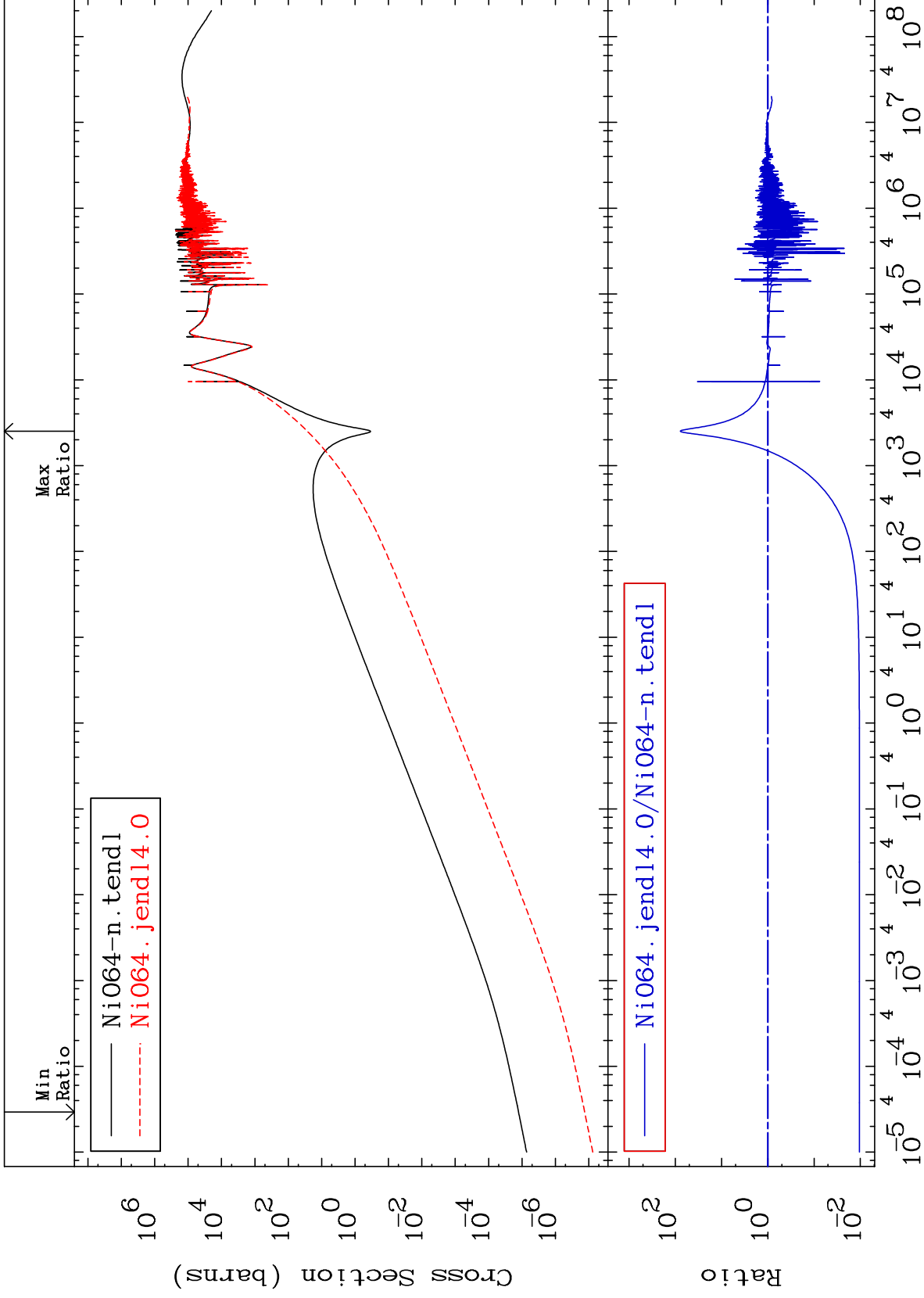
Incident Energy (eV)

28-Ni-64

MAT 2843

Kerma elastic
Cross Section

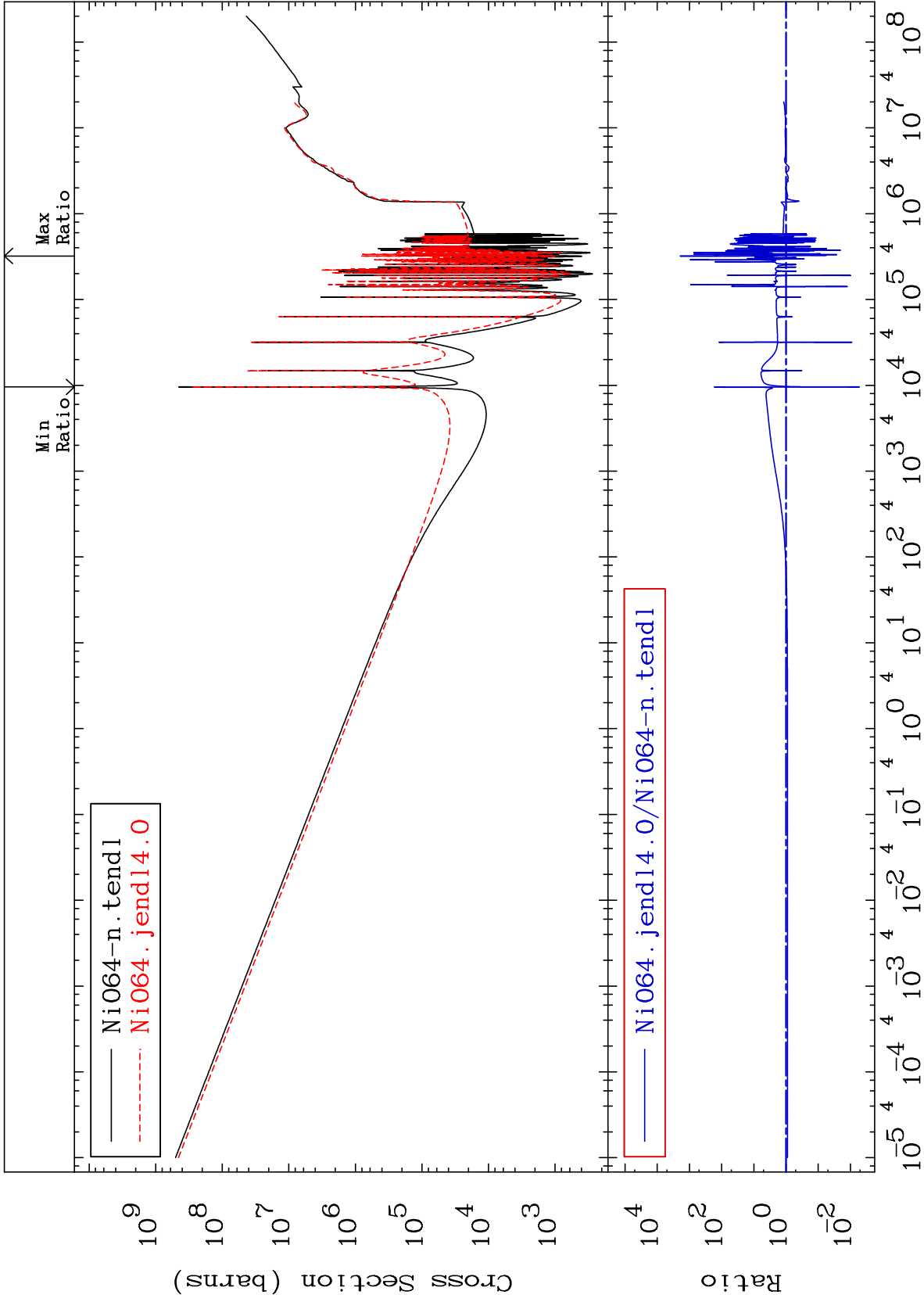
28-Ni-64
-98.95 To 7682. %

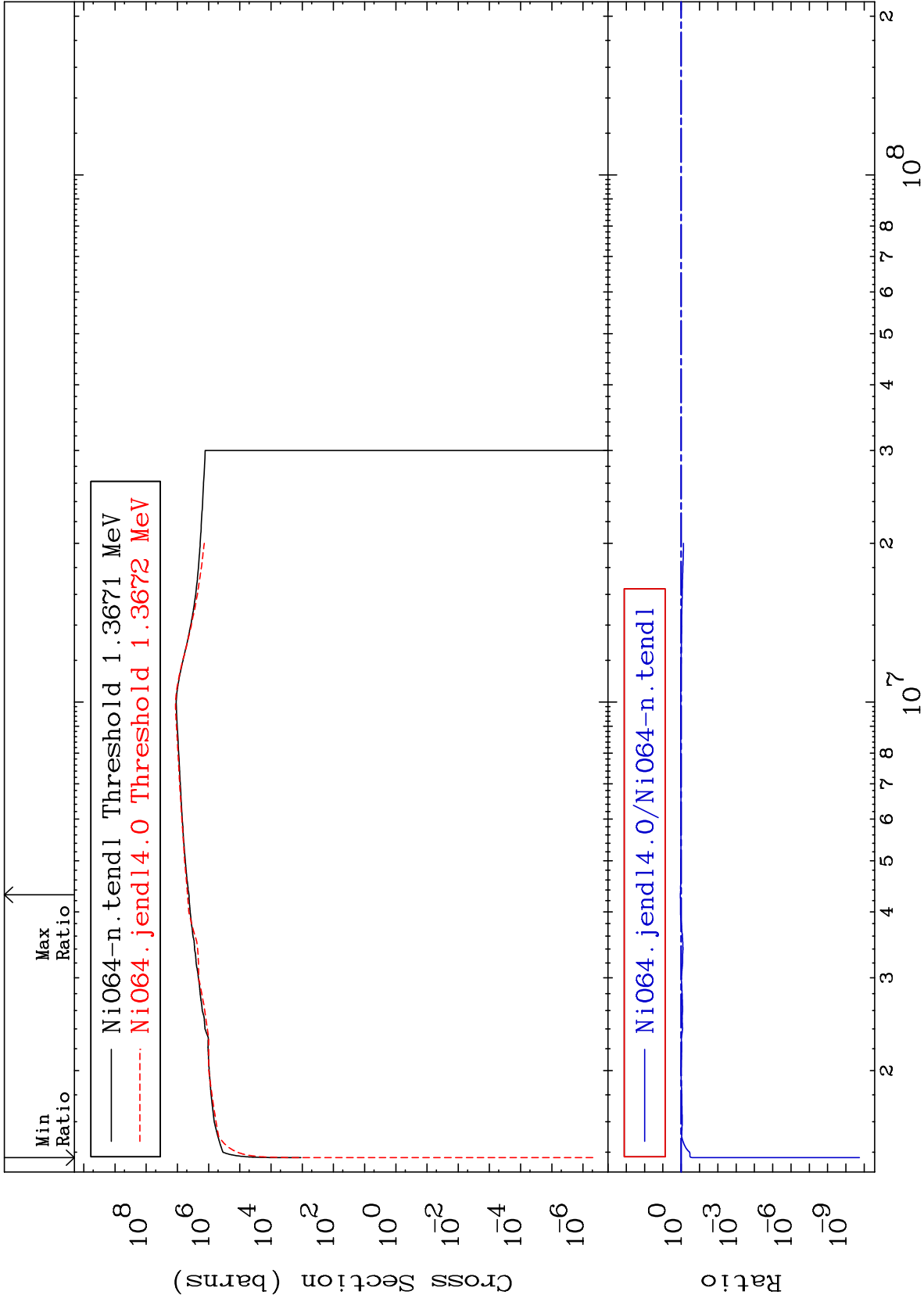


MAT 2843

Kerma non-elastic (all but mt2)
Cross Section

28-Ni-64
-99.47 To 9999. %

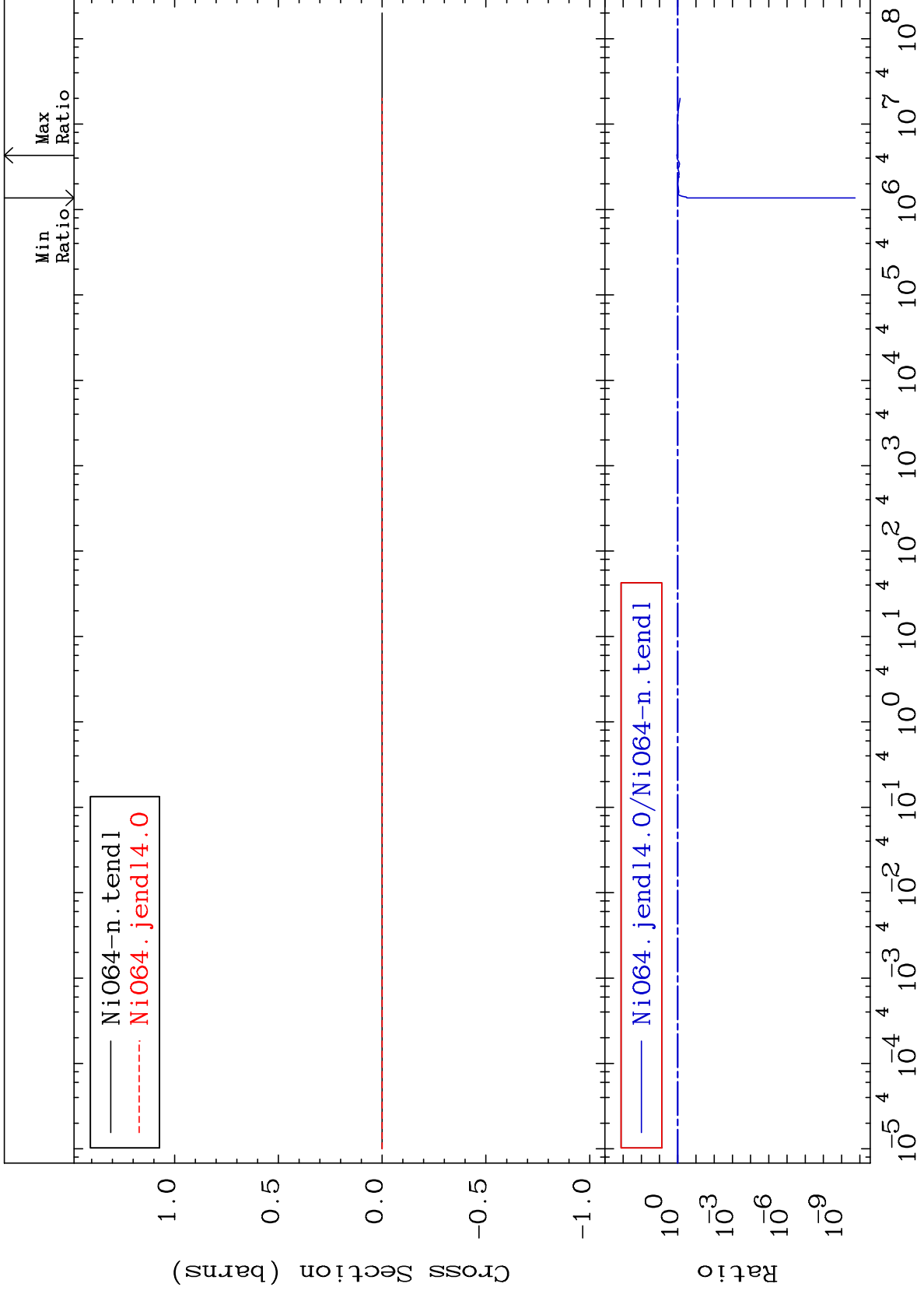




MAT 2843

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

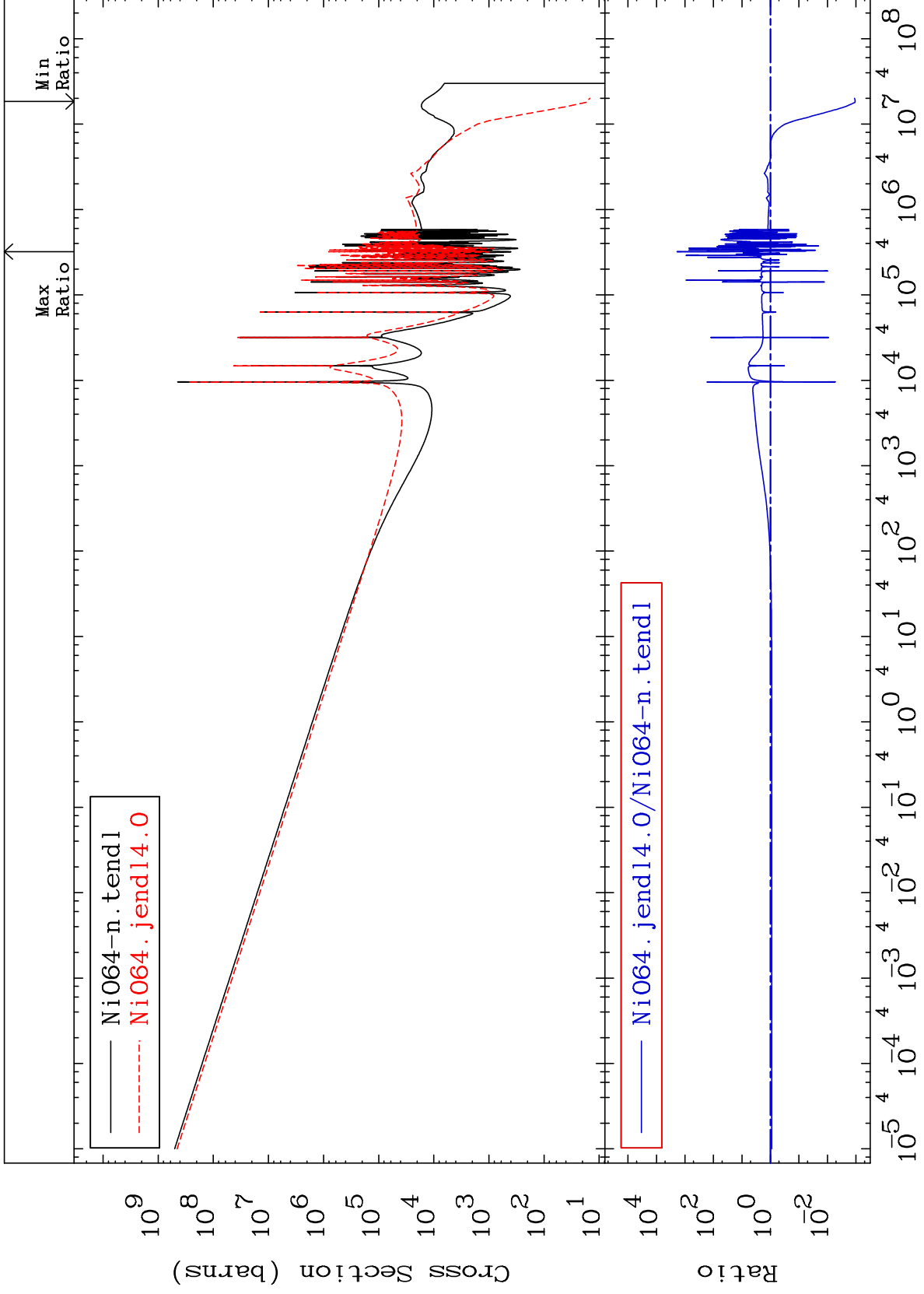
28-Ni-64
-100.0 To 11.04 %

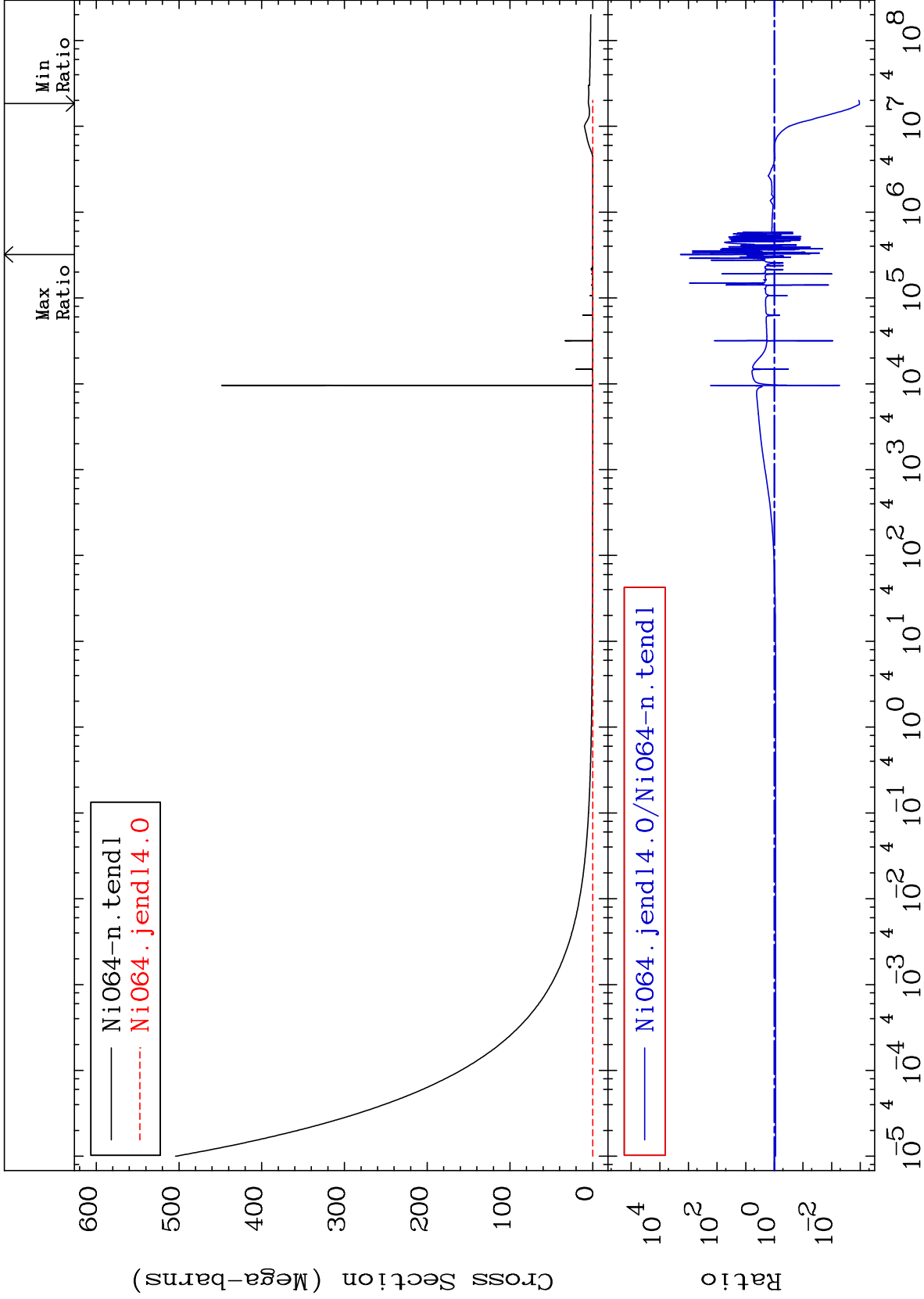


MAT 2843

Kerma capture (mt102)
Cross Section

28-Ni-64
-99.89 To 9999. %

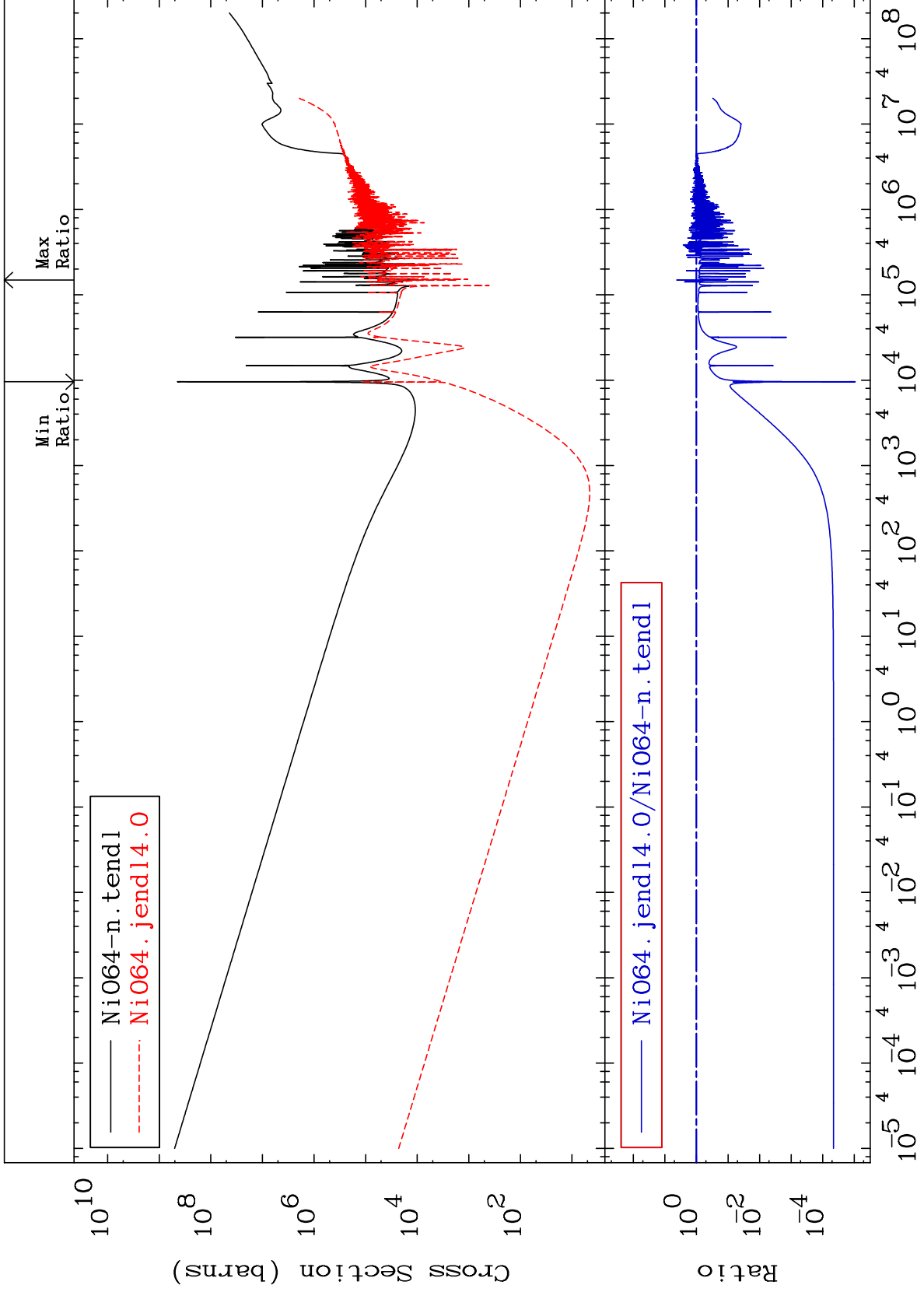




MAT 2843

Total kinematic kerma (high limit)
Cross Section

28-Ni-64
-100.0 To 316.7 %

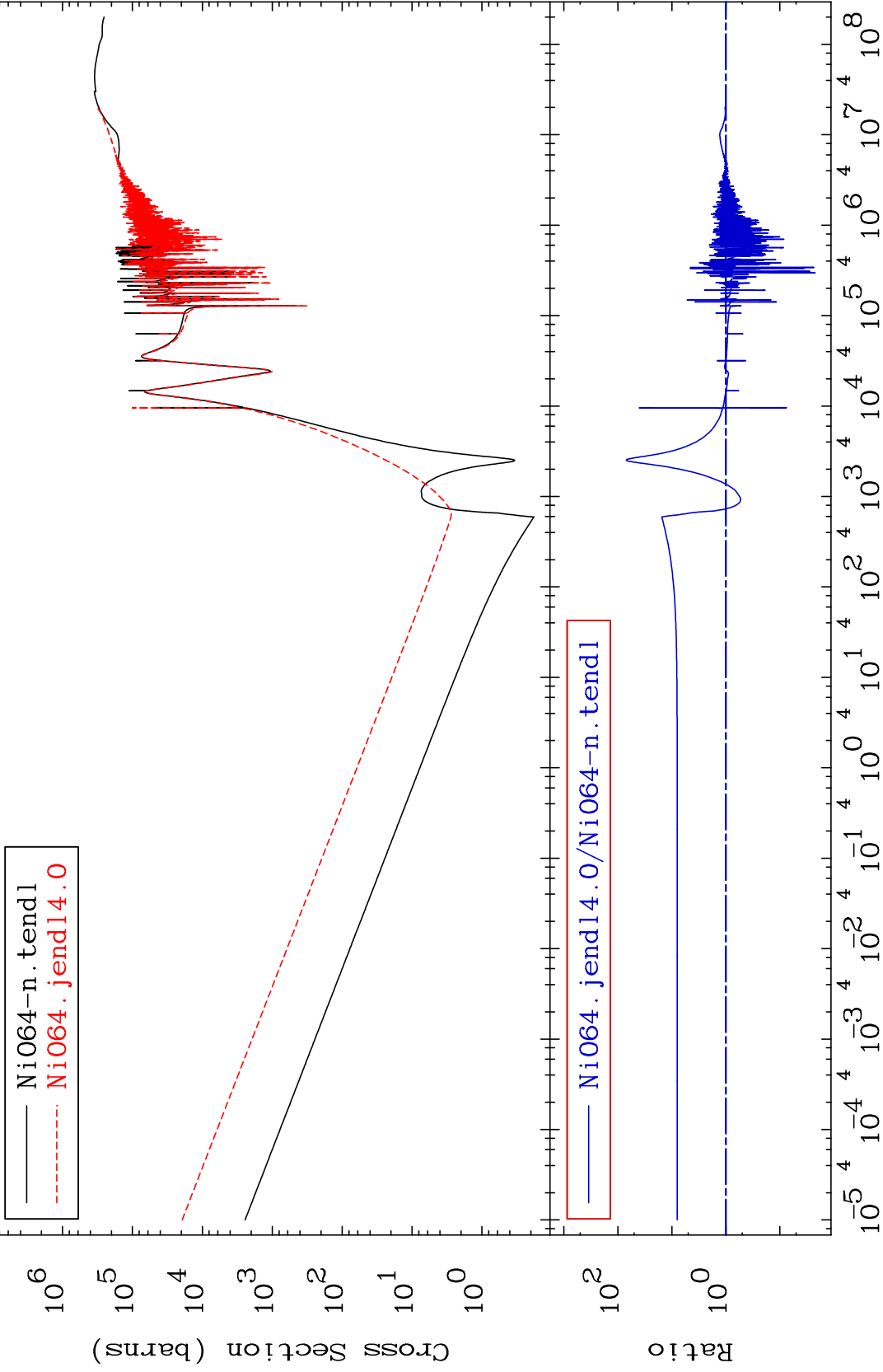


28-Ni-64

MAT 2843

Dpa total (eV-barns)
Cross Section

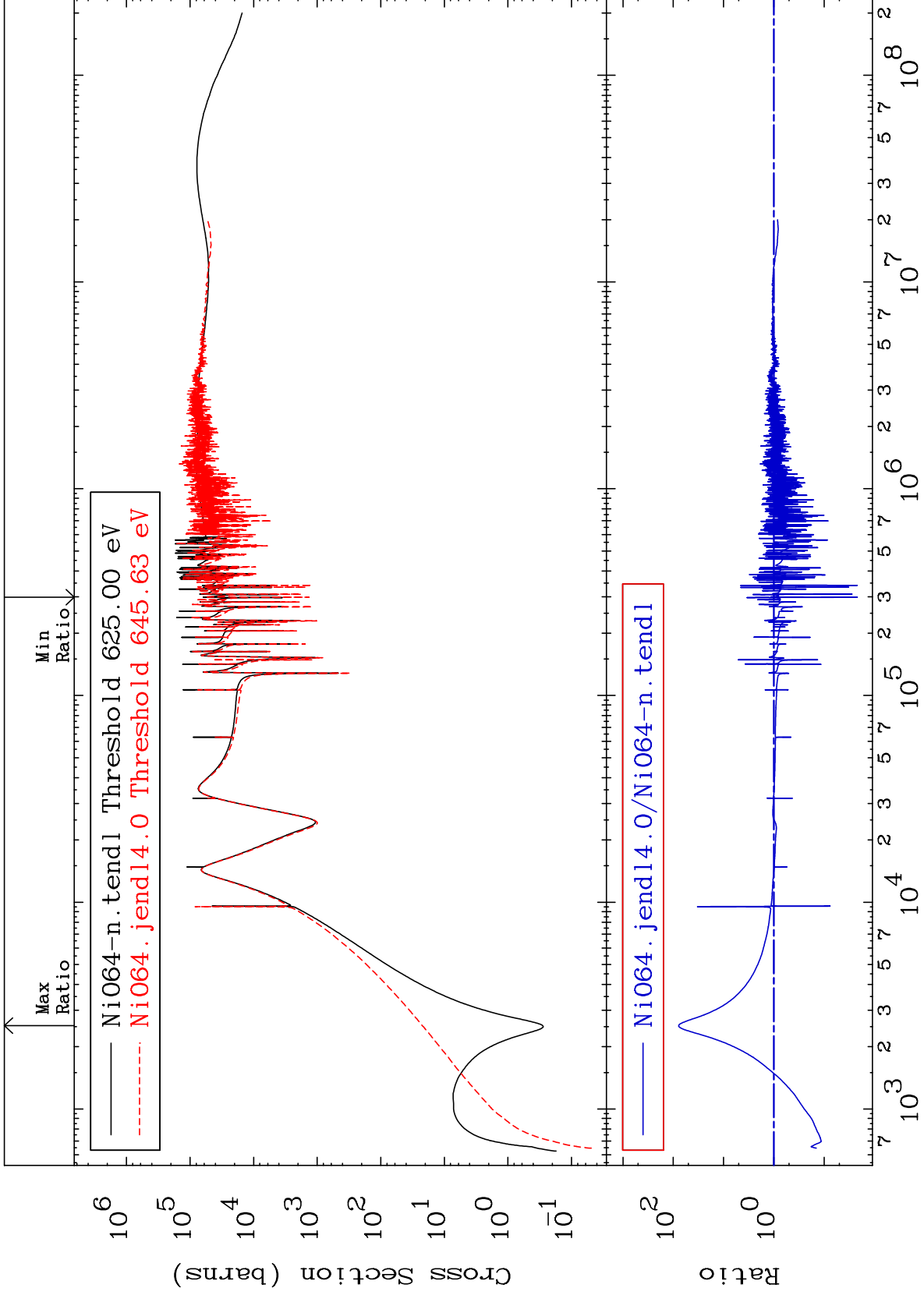
28-Ni-64
-97.76 To 6868. %



MAT 2843

Dpa elastic (mt2)
Cross Section

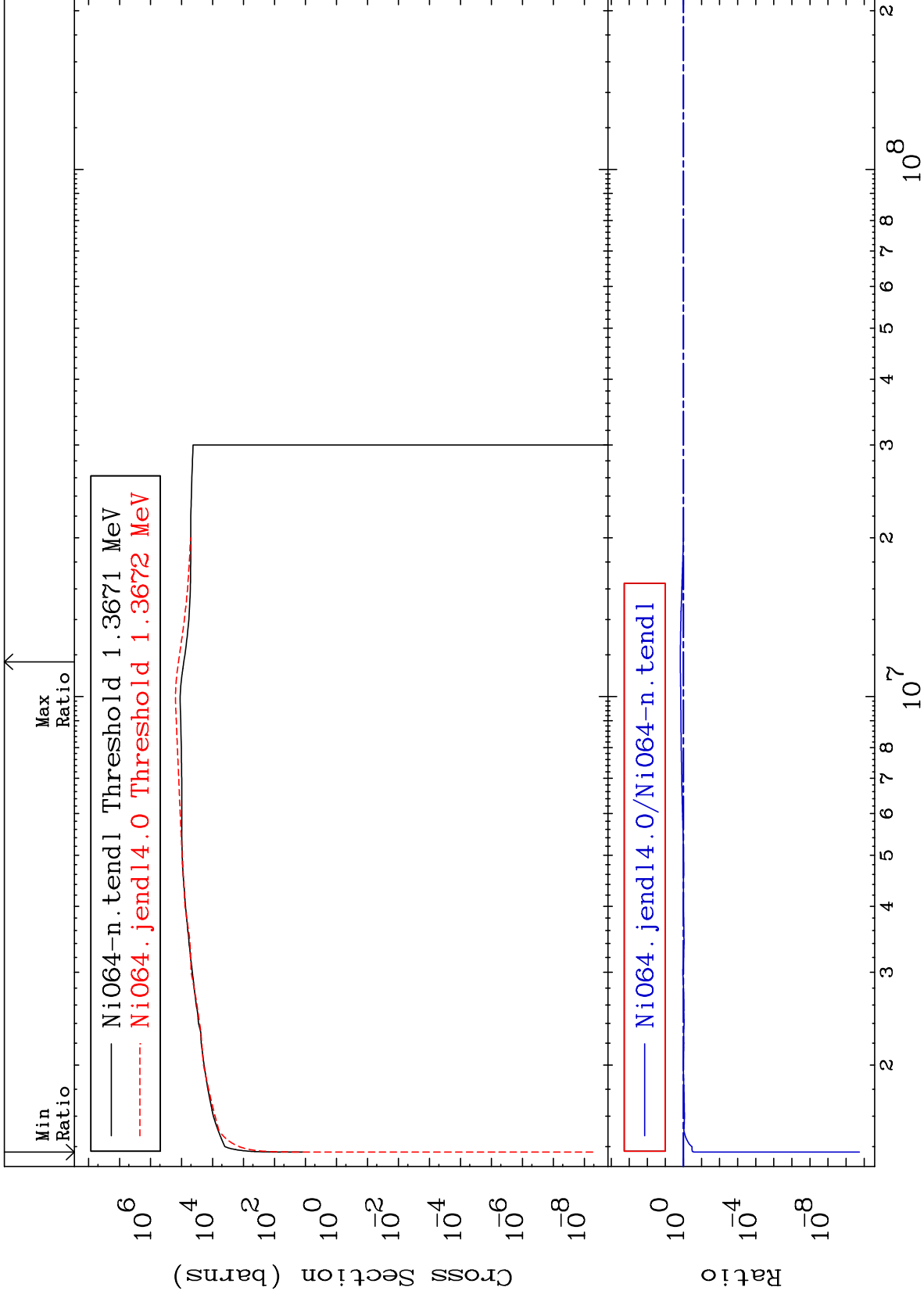
28-Ni-64
-97.81 To 7722. %



38

Incident Energy (eV)

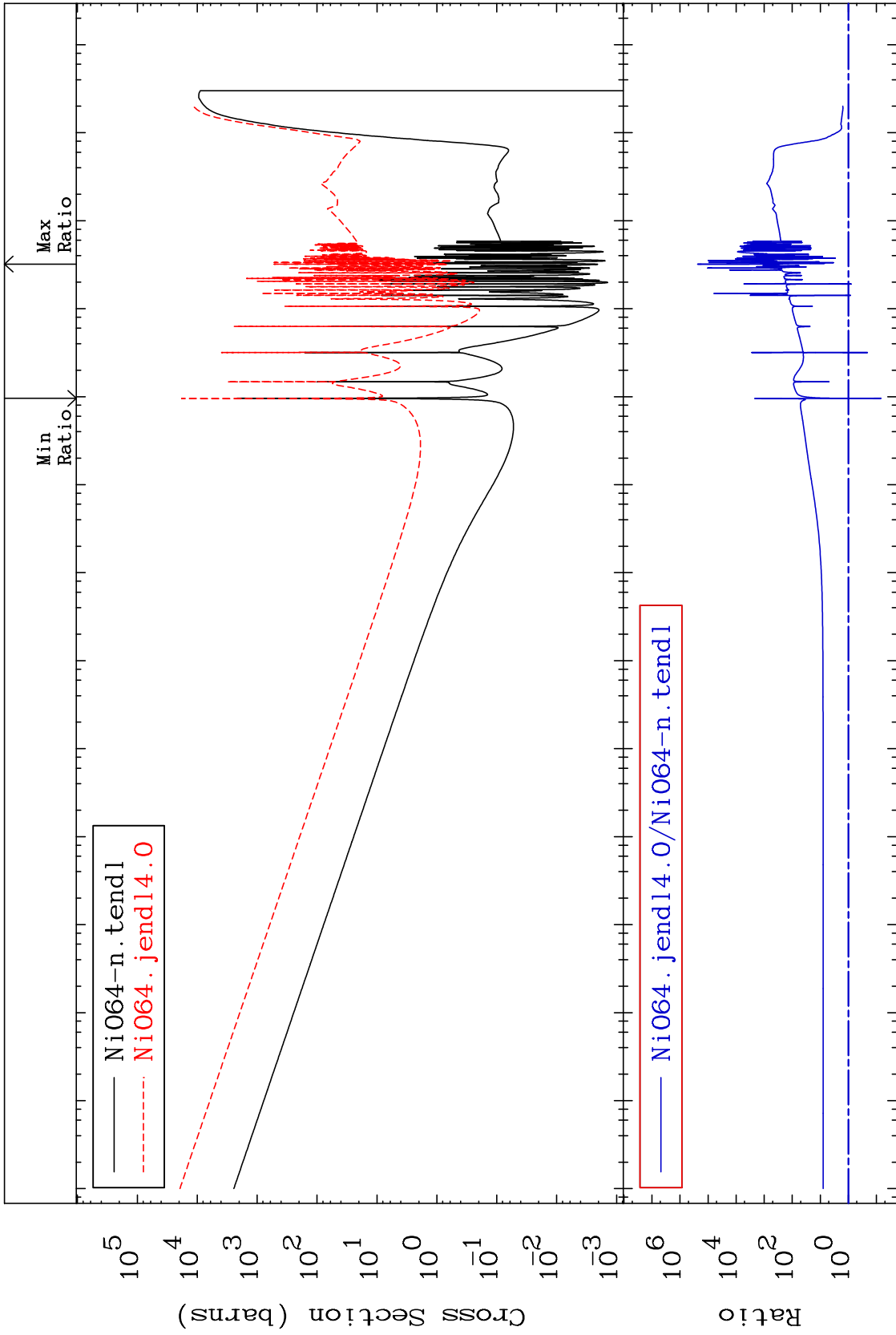
28-Ni-64



MAT 2843

Dpa disappearance (mt102 -120)
Cross Section

28-Ni-64
-93.18 To 9999. %



— Ni064-n.tendl
- - - Ni064.jendl4.0

— Ni064.jendl4.0/Ni064-n.tendl

Incident Energy (eV)

28-Ni-64

40