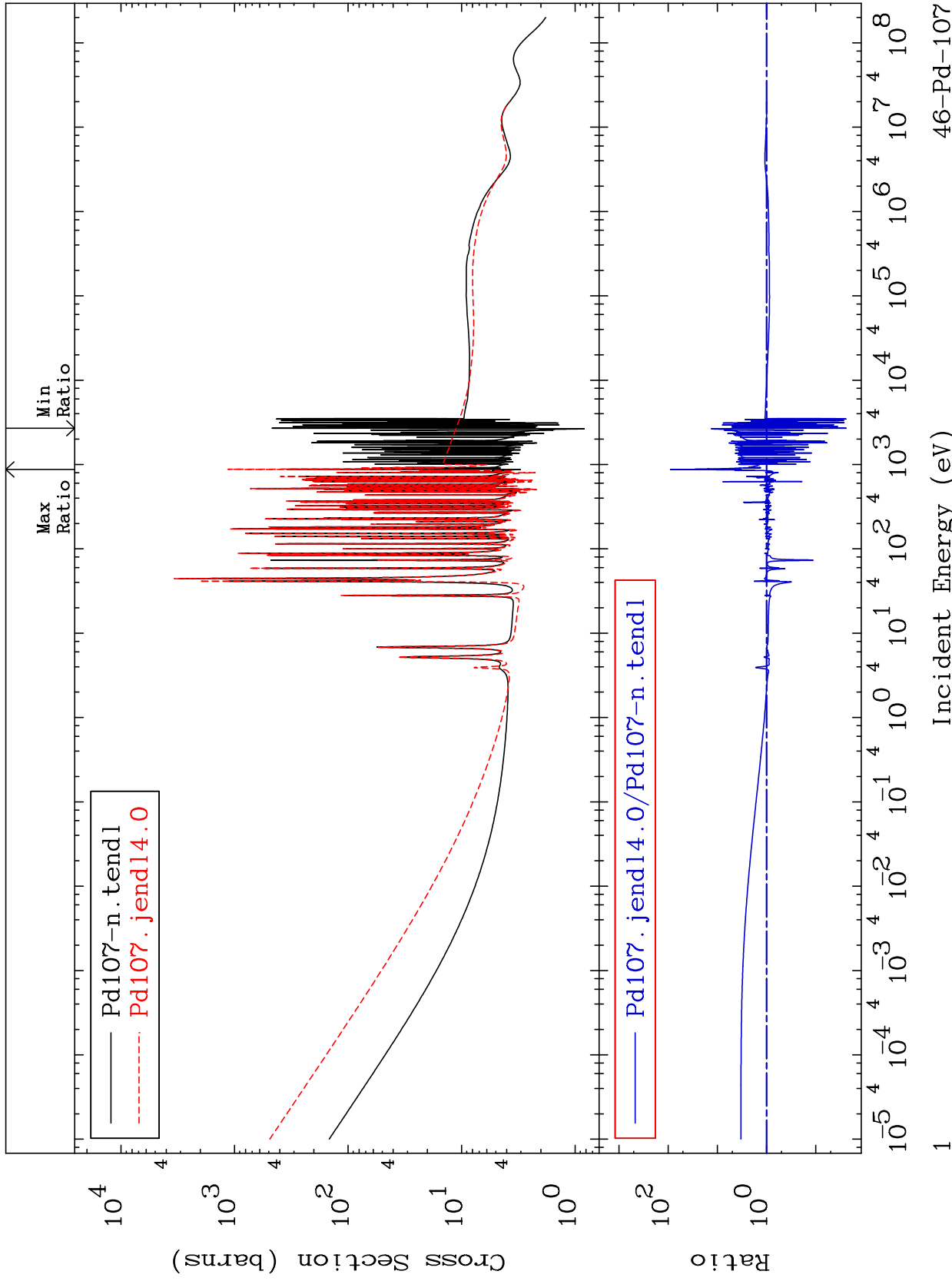


MAT 4640

46-Pd-107

-97.60 To 8984. %

Total
Cross Section



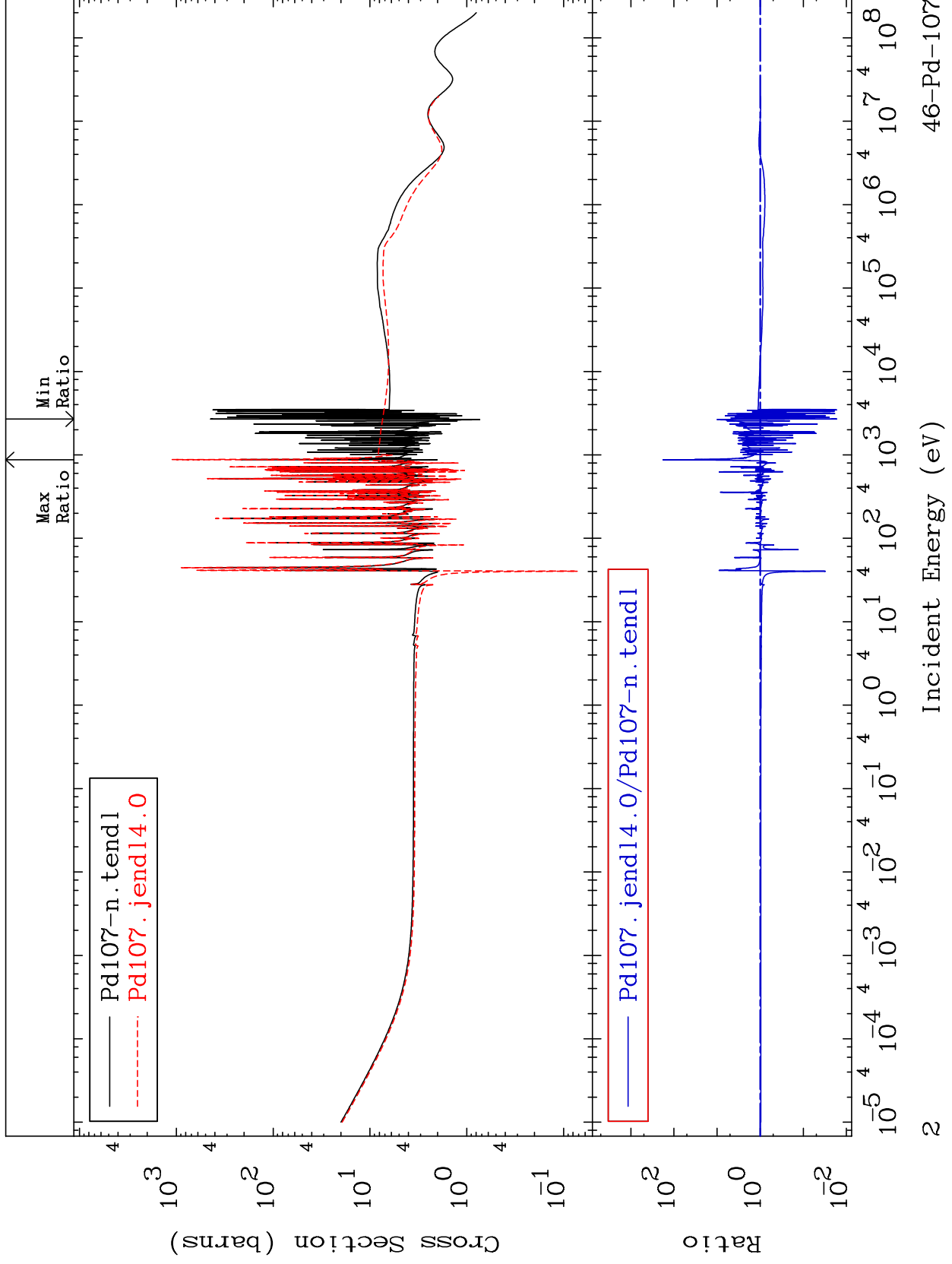
Incident Energy (eV)

46-Pd-107

MAT 4640

Elastic
Cross Section

46-Pd-107
-98.33 To 9999. %



46-Pd-107

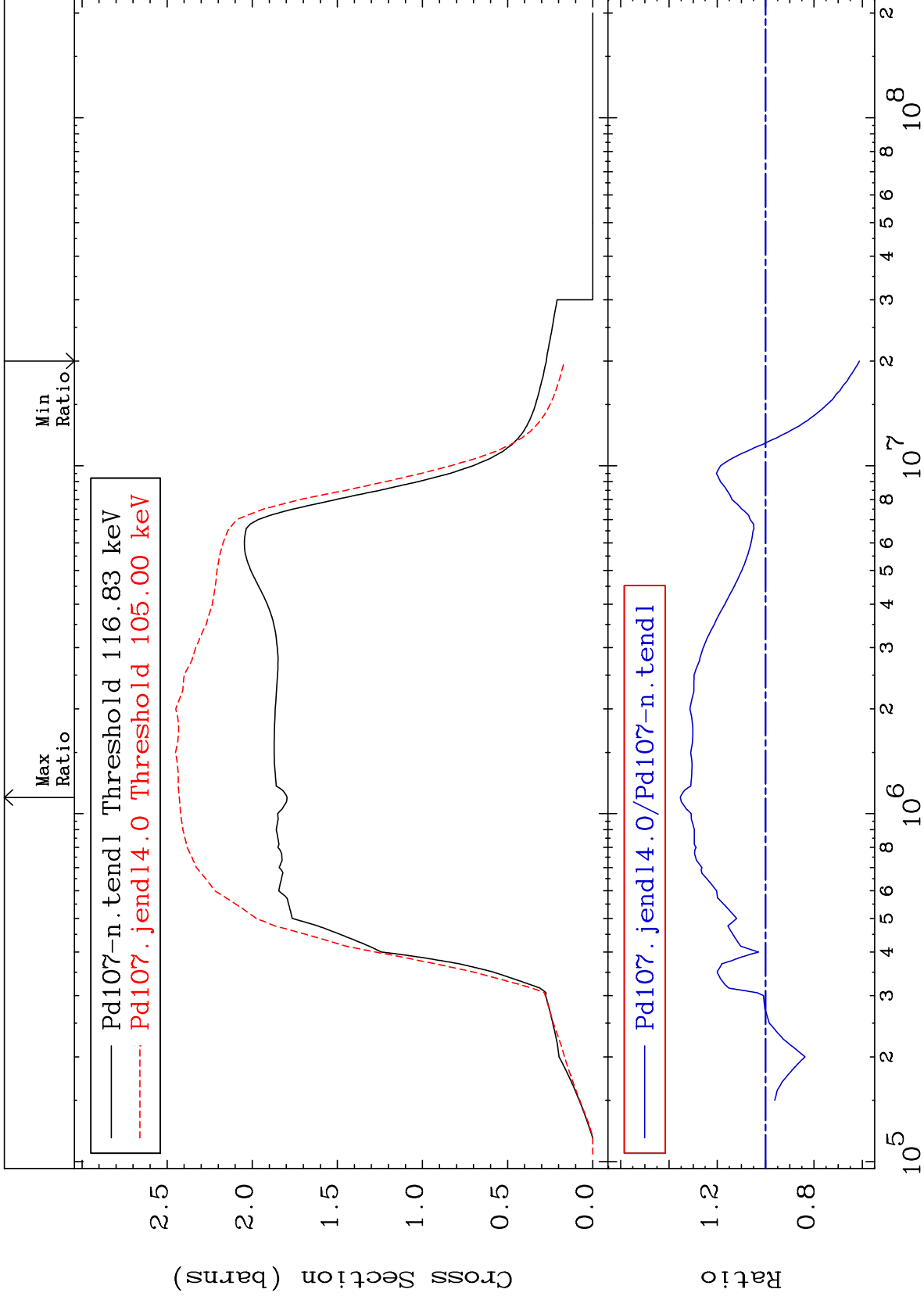
Incident Energy (eV)

2

MAT 4640

Inelastic
Cross Section

46-Pd-107
-38.82 To 35.29 %



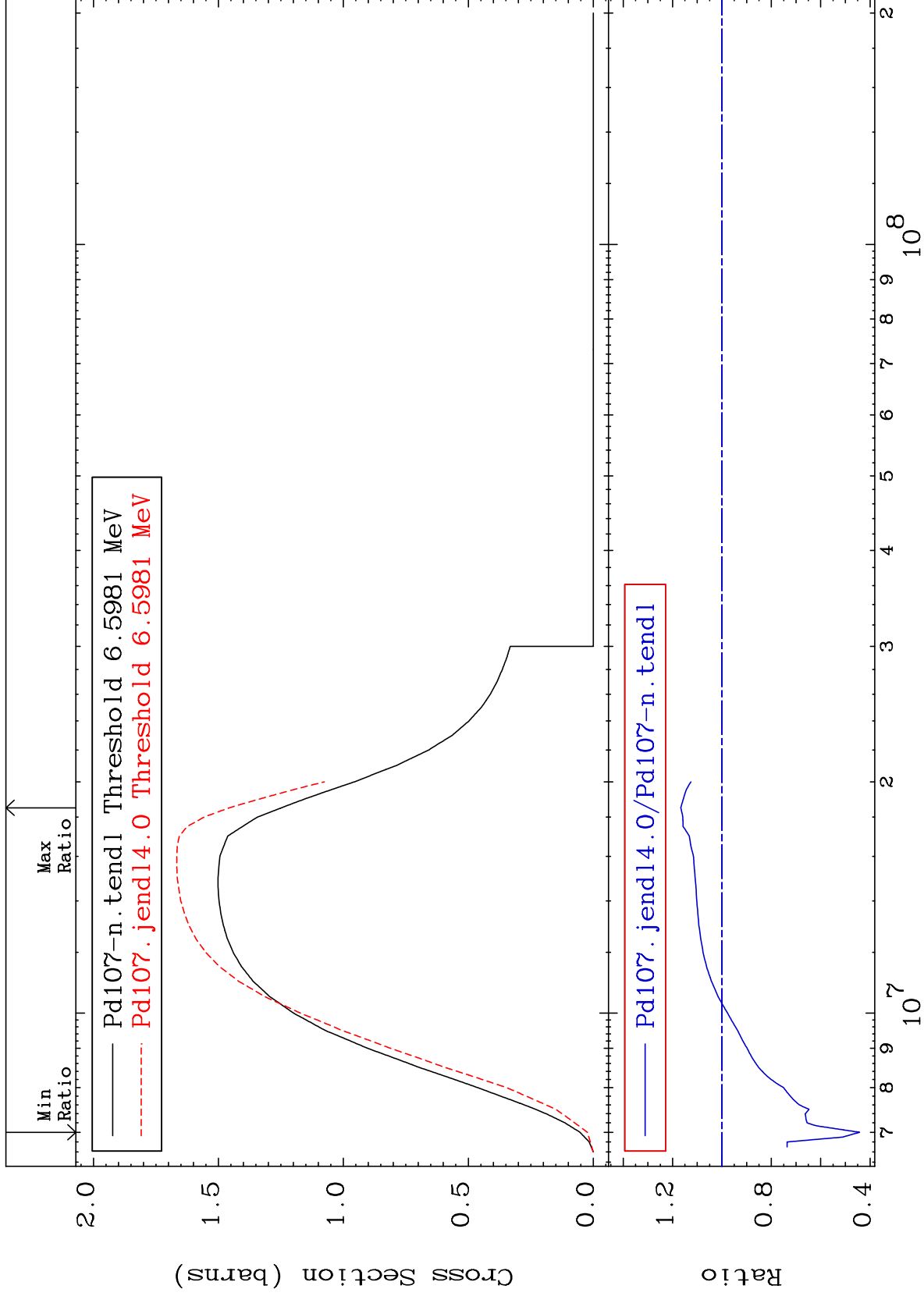
46-Pd-107

3

MAT 4640

(n,2n)
Cross Section

46-Pd-107
-55.73 To 16.68 %



4

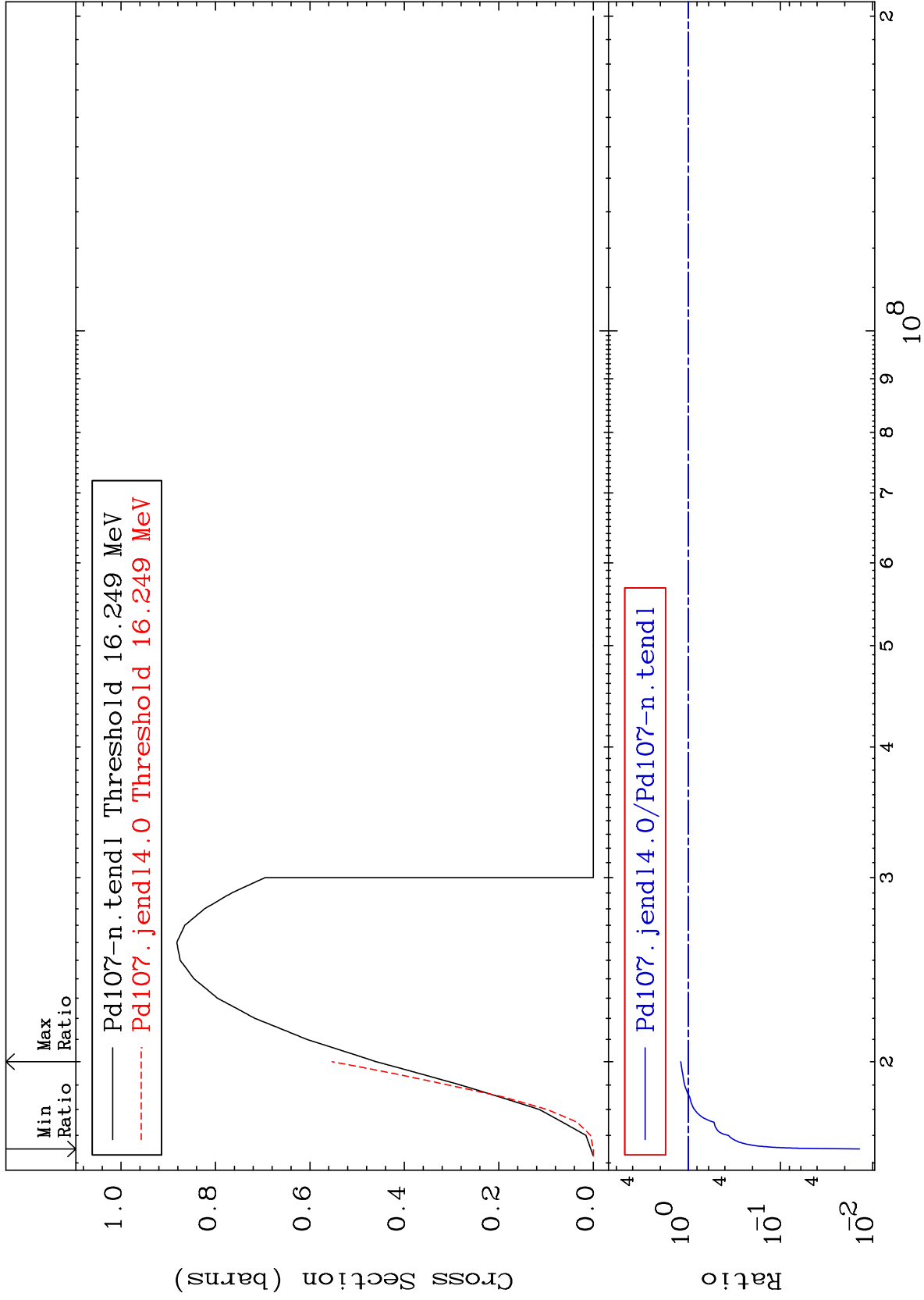
Incident Energy (eV)

46-Pd-107

MAT 4640

(n,3n)
Cross Section

46-Pd-107
-98.61 To 20.16 %



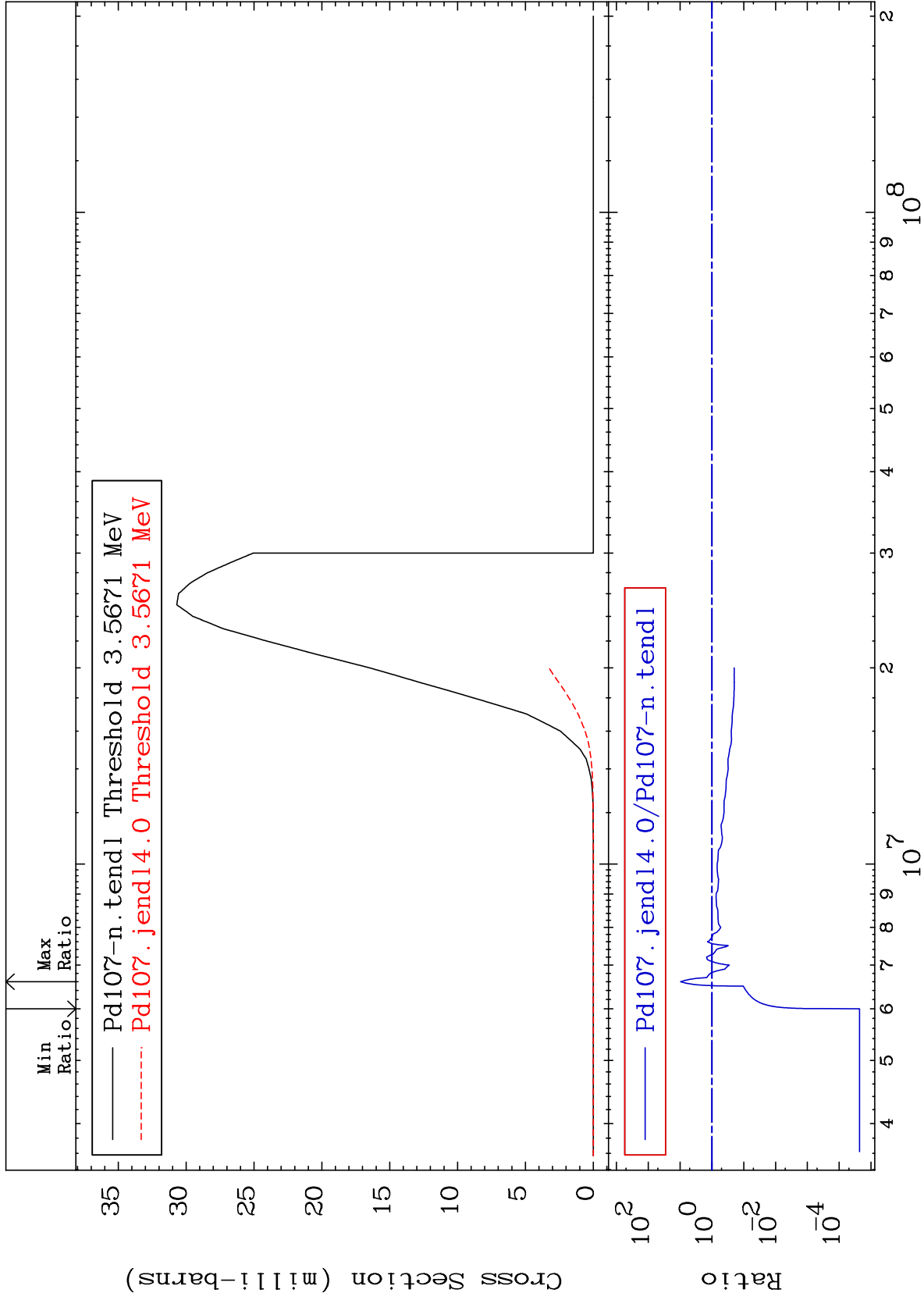
MAT 4640

(n,n') α

46-Pd-107

Cross Section

-100.0 To 846.0 %



6

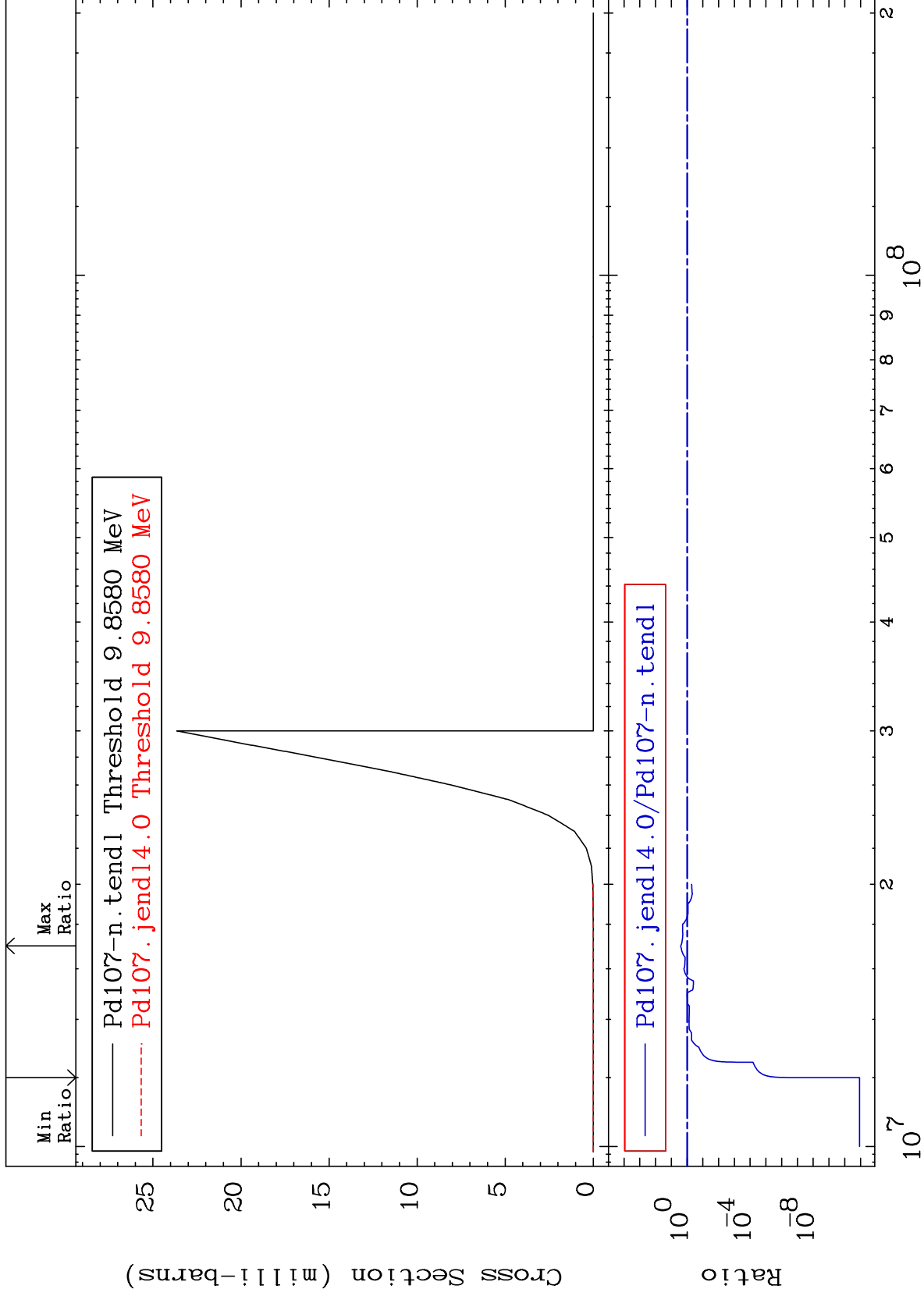
Incident Energy (eV)

46-Pd-107

MAT 4640

(n,2n) α
Cross Section

46-Pd-107
-100.0 To 151.5 %

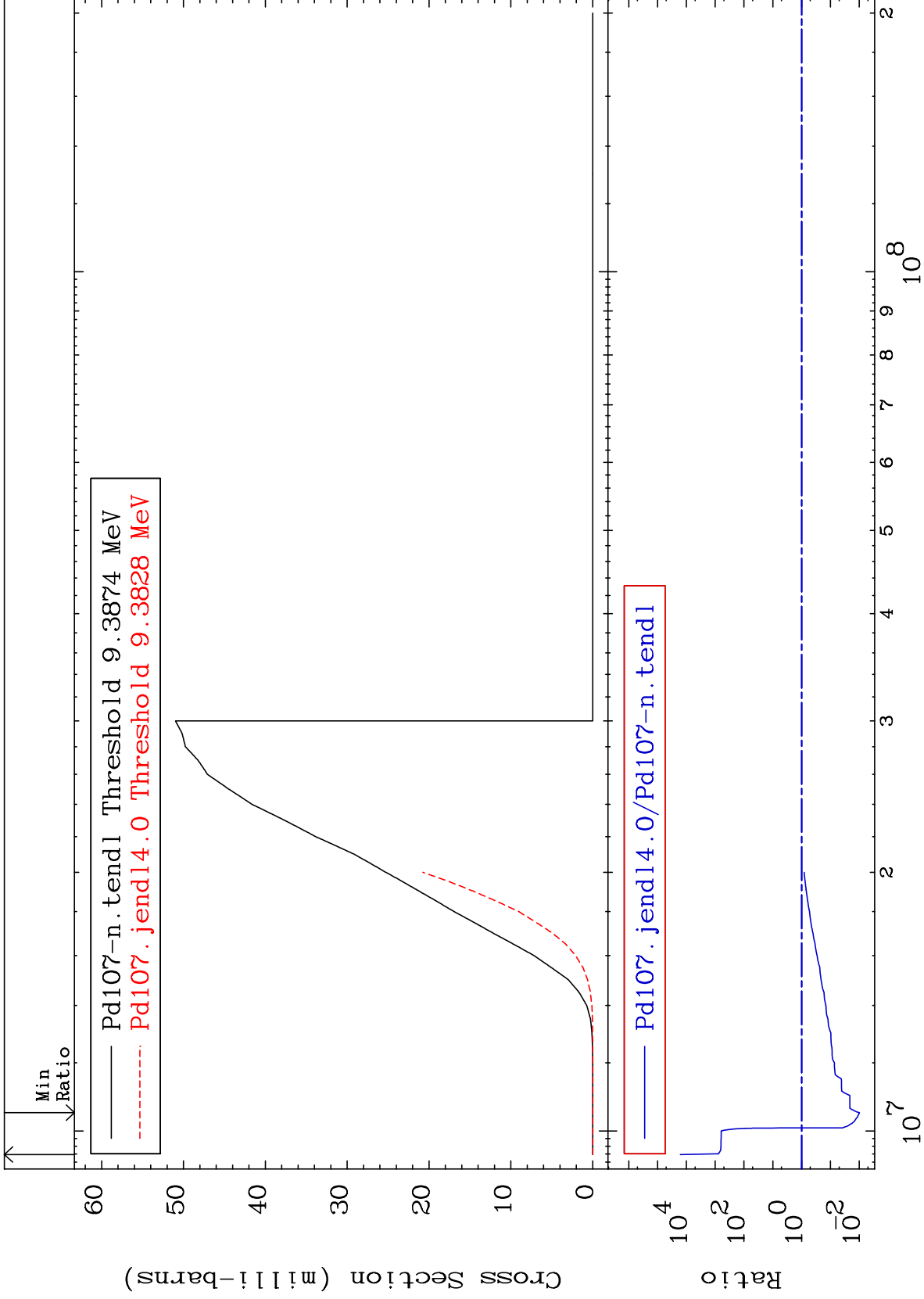


46-Pd-107

MAT 4640

(n,n') p
Cross Section

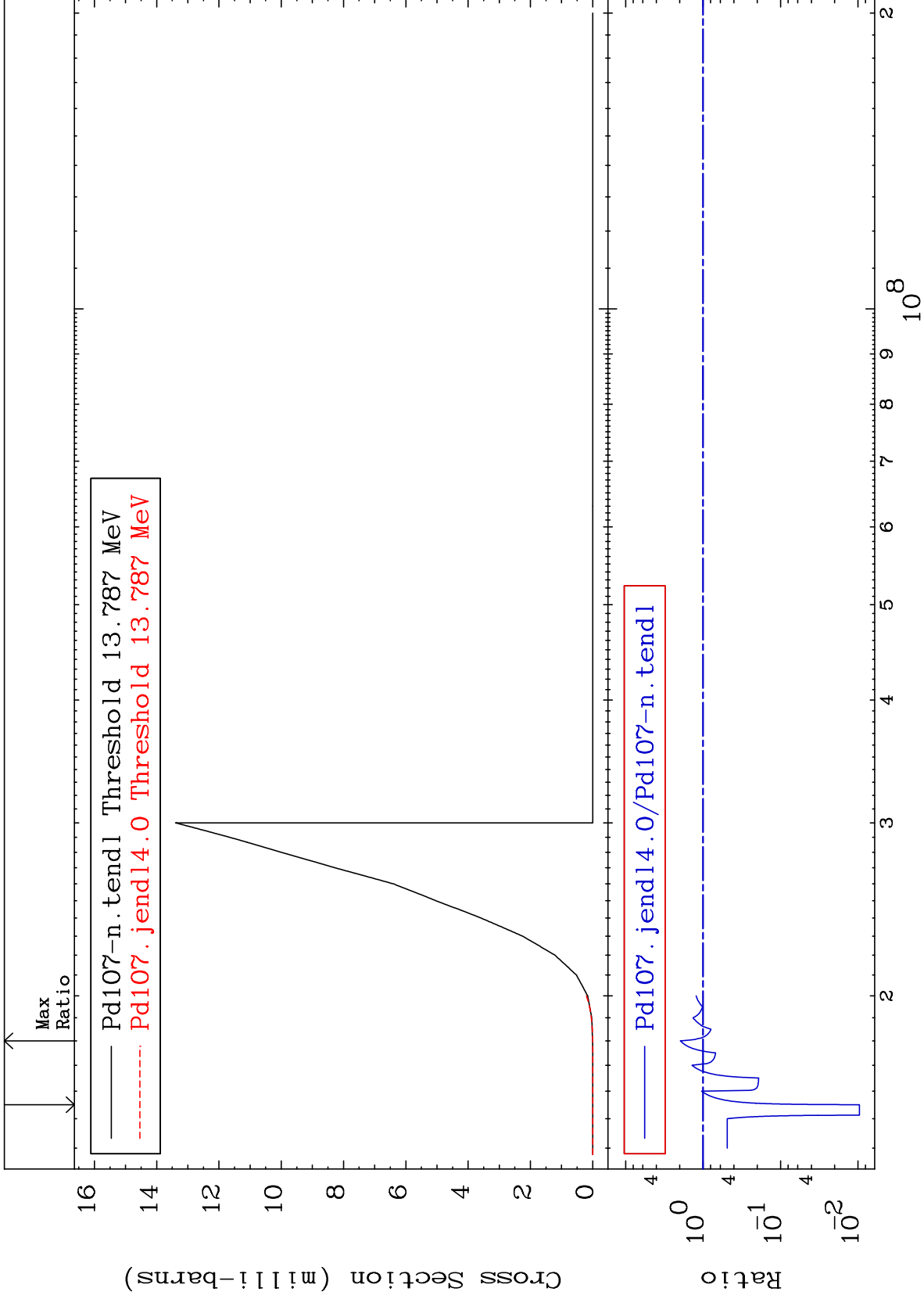
46-Pd-107
-99.01 To 9999. %



MAT 4640

(n, n') d
Cross Section

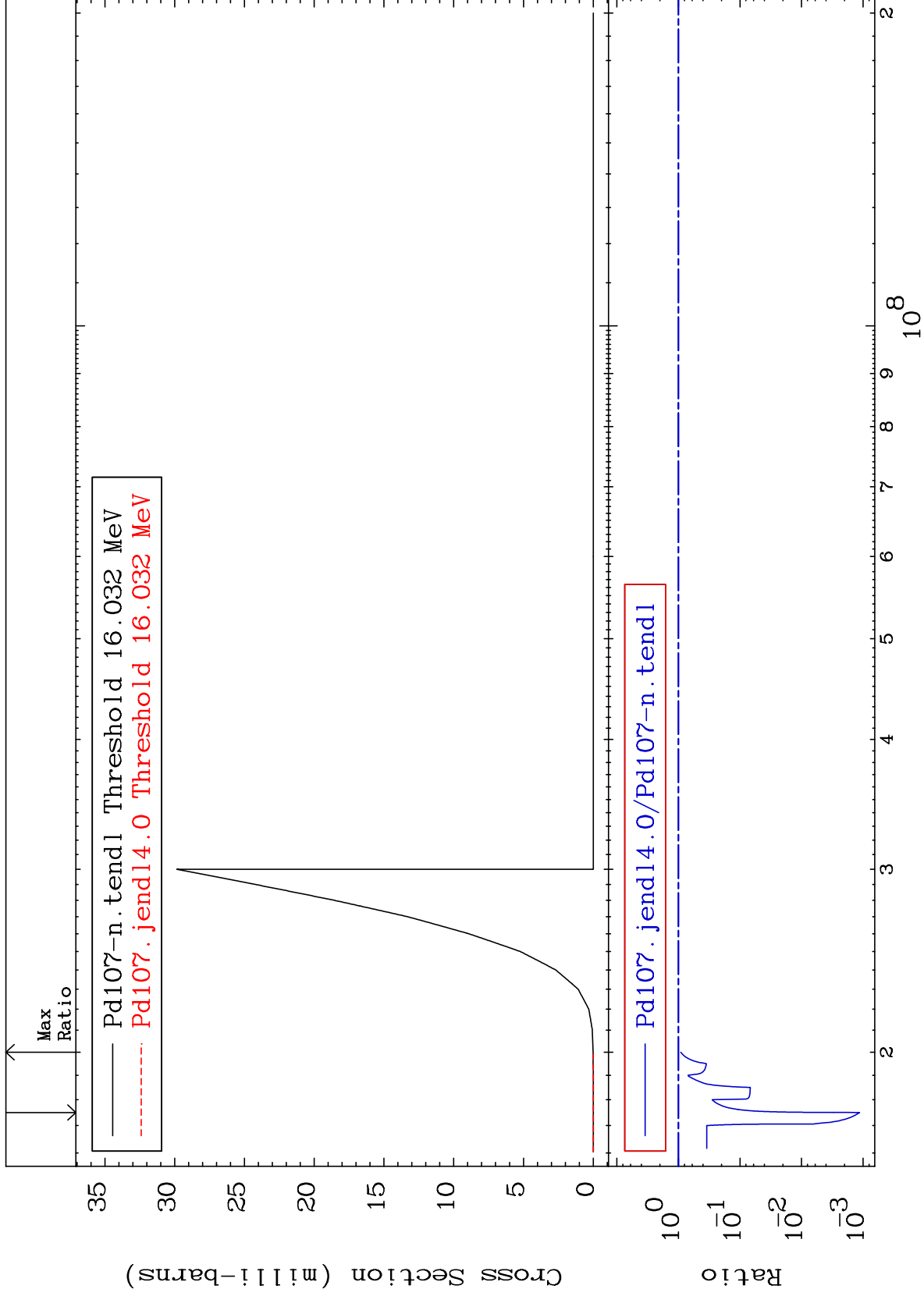
46-Pd-107
-99.04 To 96.33 %



MAT 4640

(n,2n) p
Cross Section

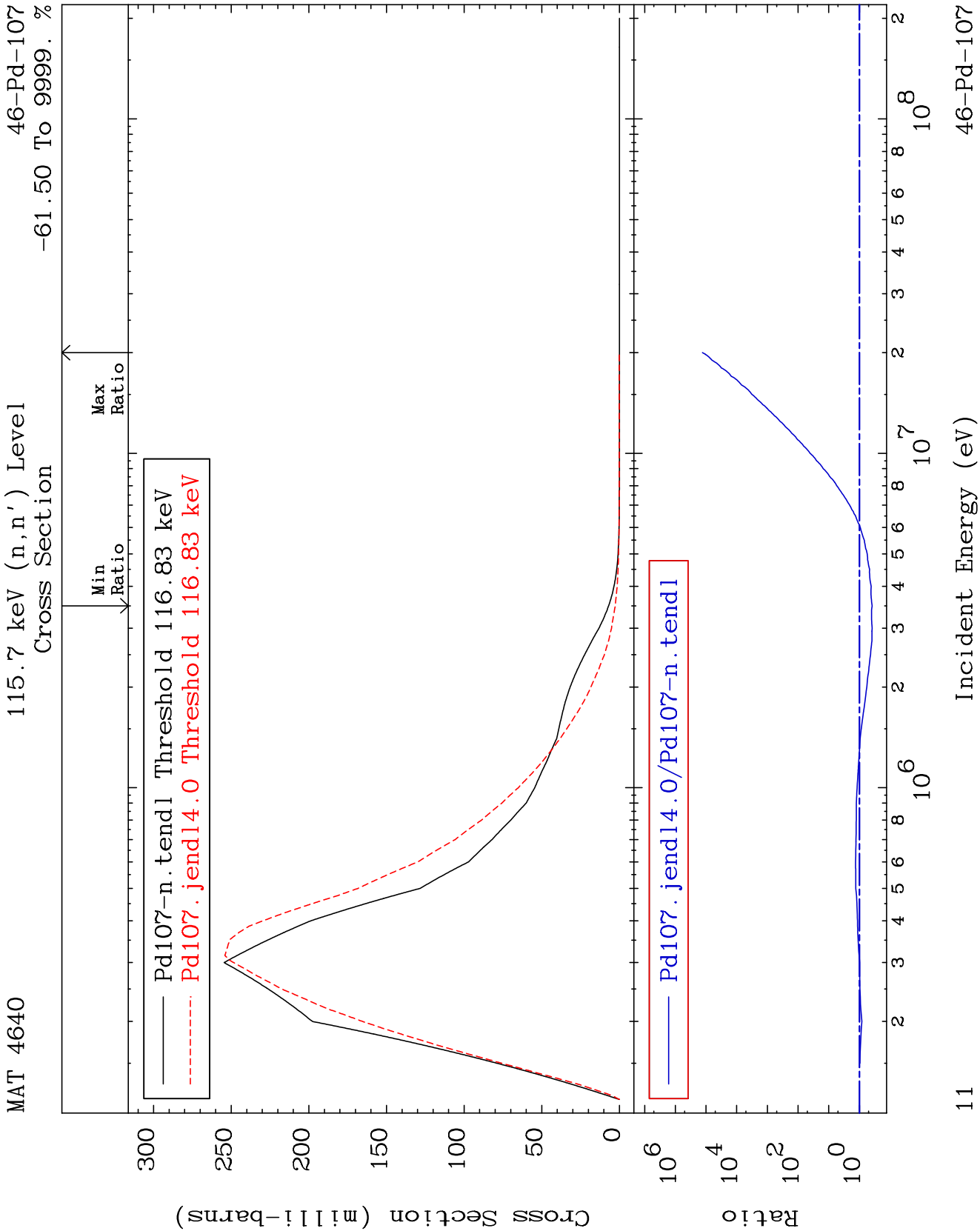
46-Pd-107
-99.89 To -8.435%



10

Incident Energy (eV)

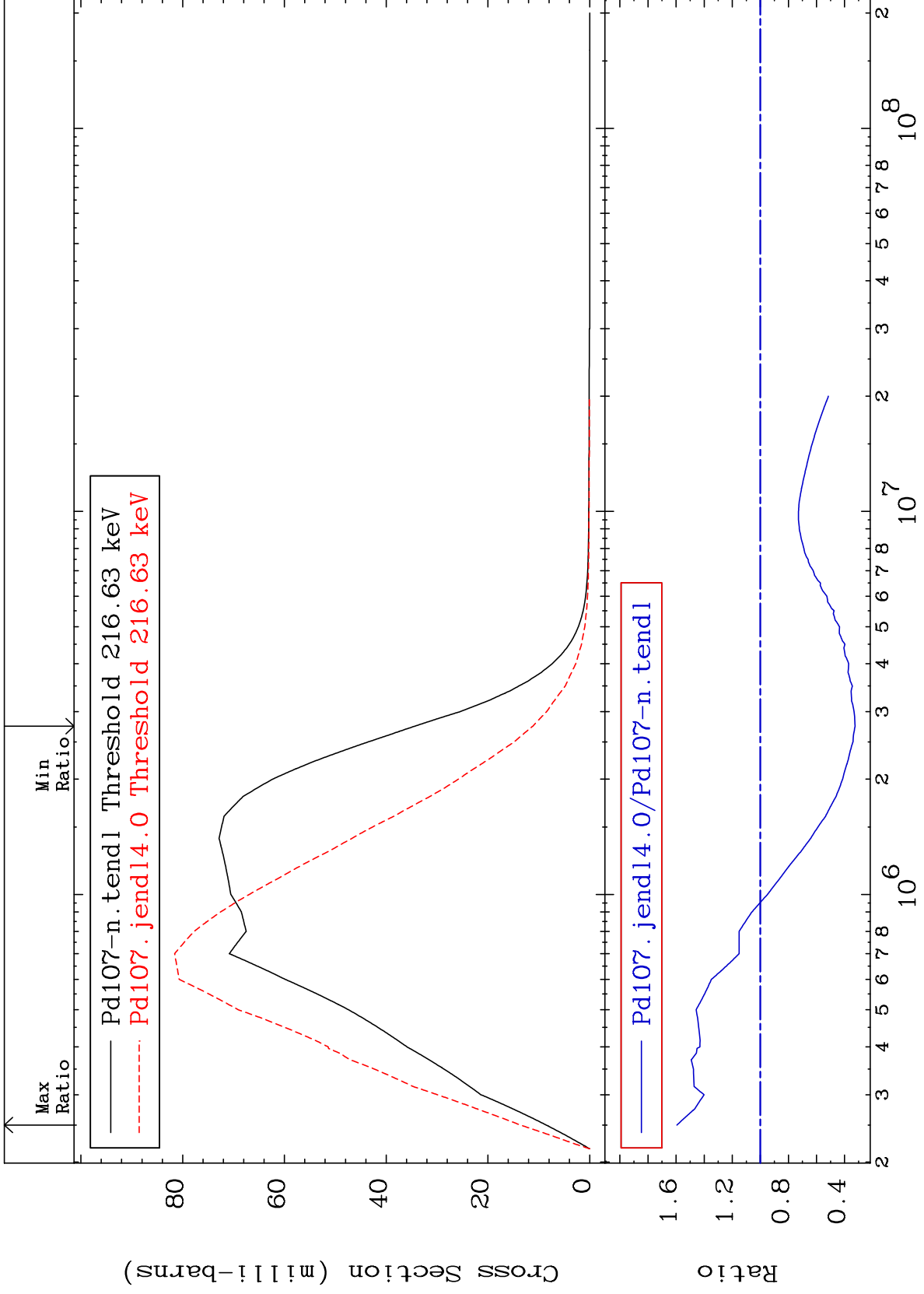
46-Pd-107



MAT 4640

214.6 keV (n,n') Level
Cross Section

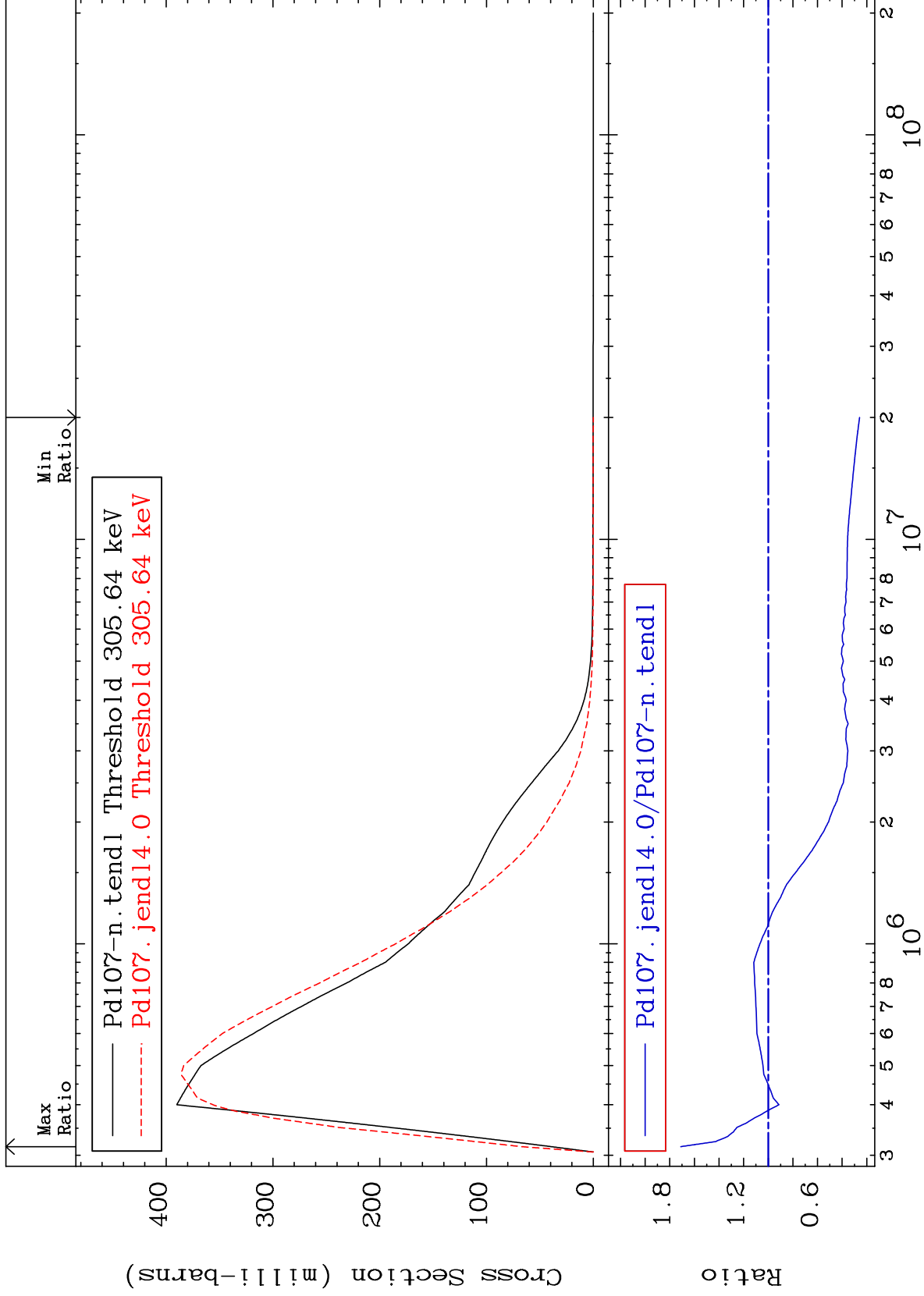
46-Pd-107
-67.47 To 59.40 %



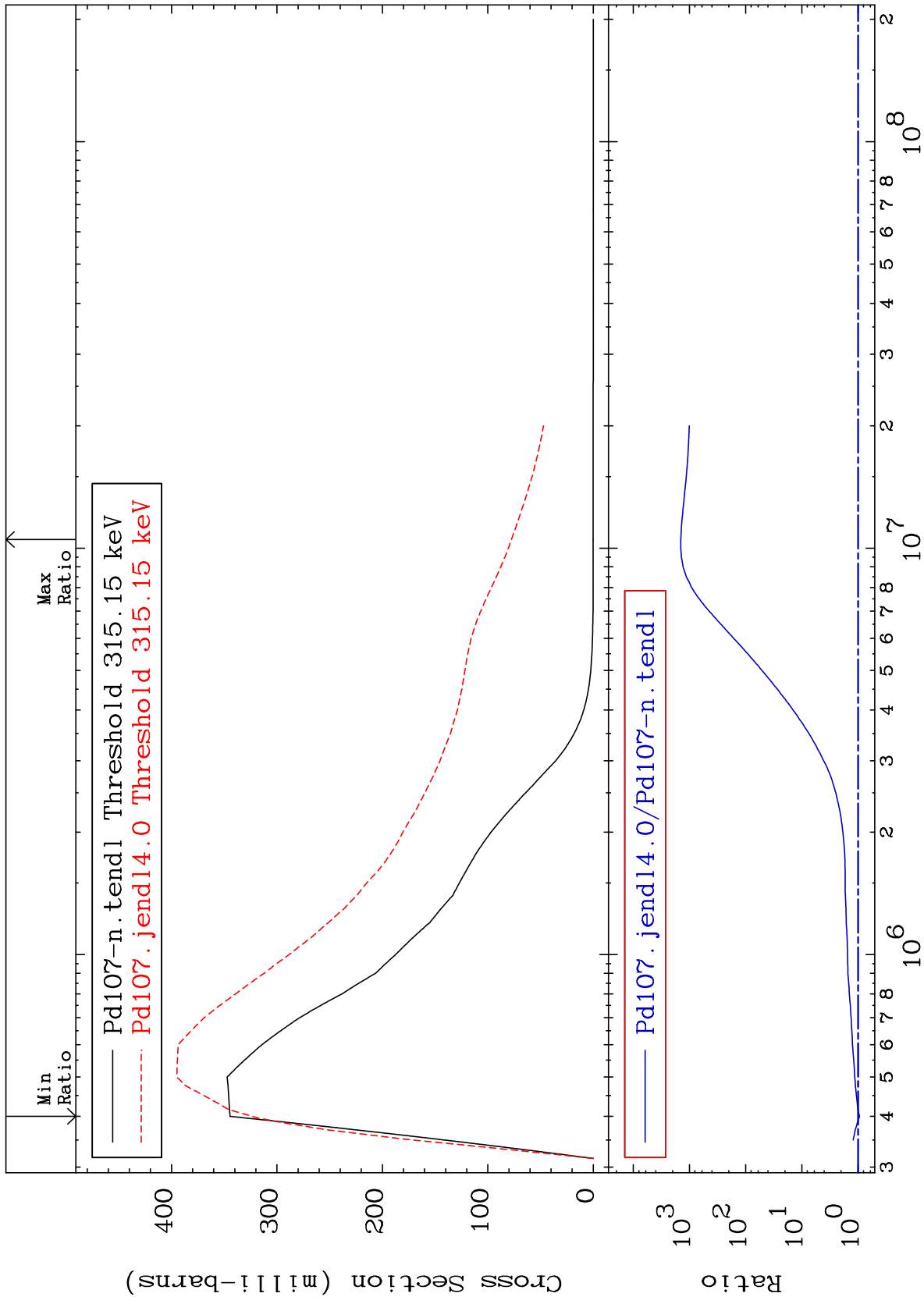
MAT 4640

302.8 keV (n,n') Level
Cross Section

46-Pd-107
-74.13 To 71.06 %



MAT 4640 312.2 keV (n,n') Level 46-Pd-107
 Cross Section -6.120 To 9999. %

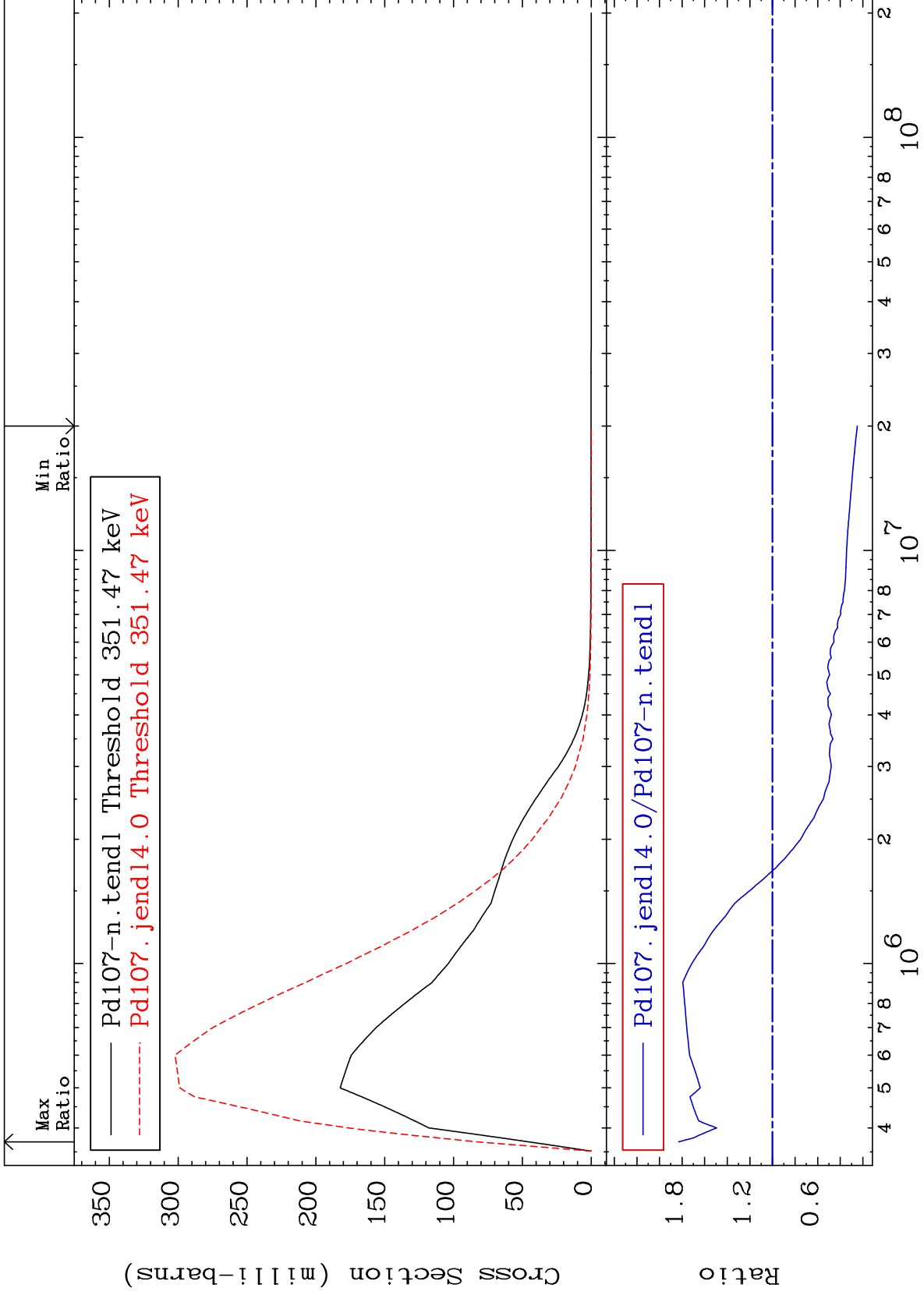


14 Incident Energy (eV) 46-Pd-107

MAT 4640

348.2 keV (n,n') Level
Cross Section

46-Pd-107
-75.05 To 83.05 %



15

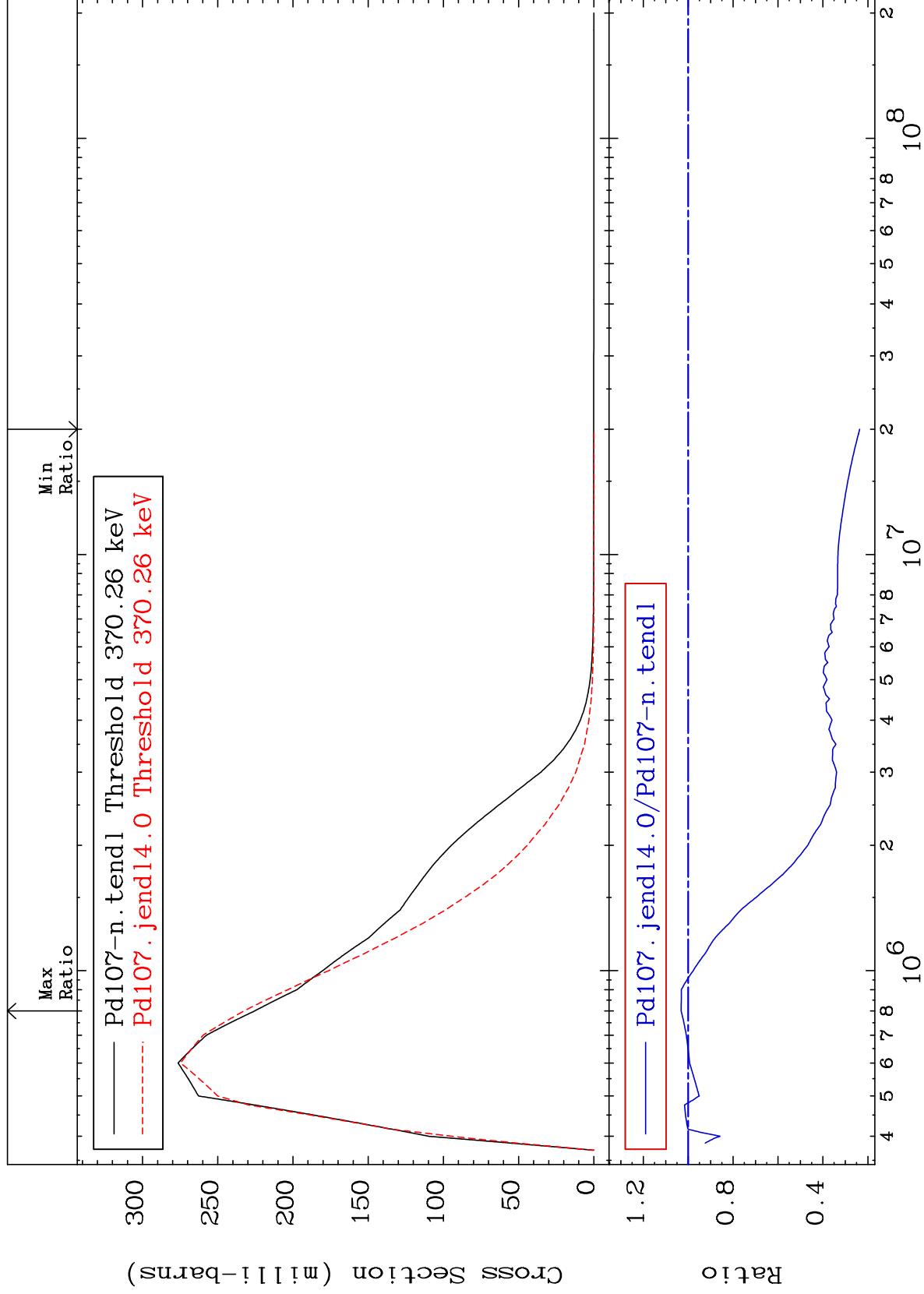
Incident Energy (eV)

46-Pd-107

MAT 4640

366.8 keV (n,n') Level
Cross Section

46-Pd-107
-76.35 To 3.129 %



16

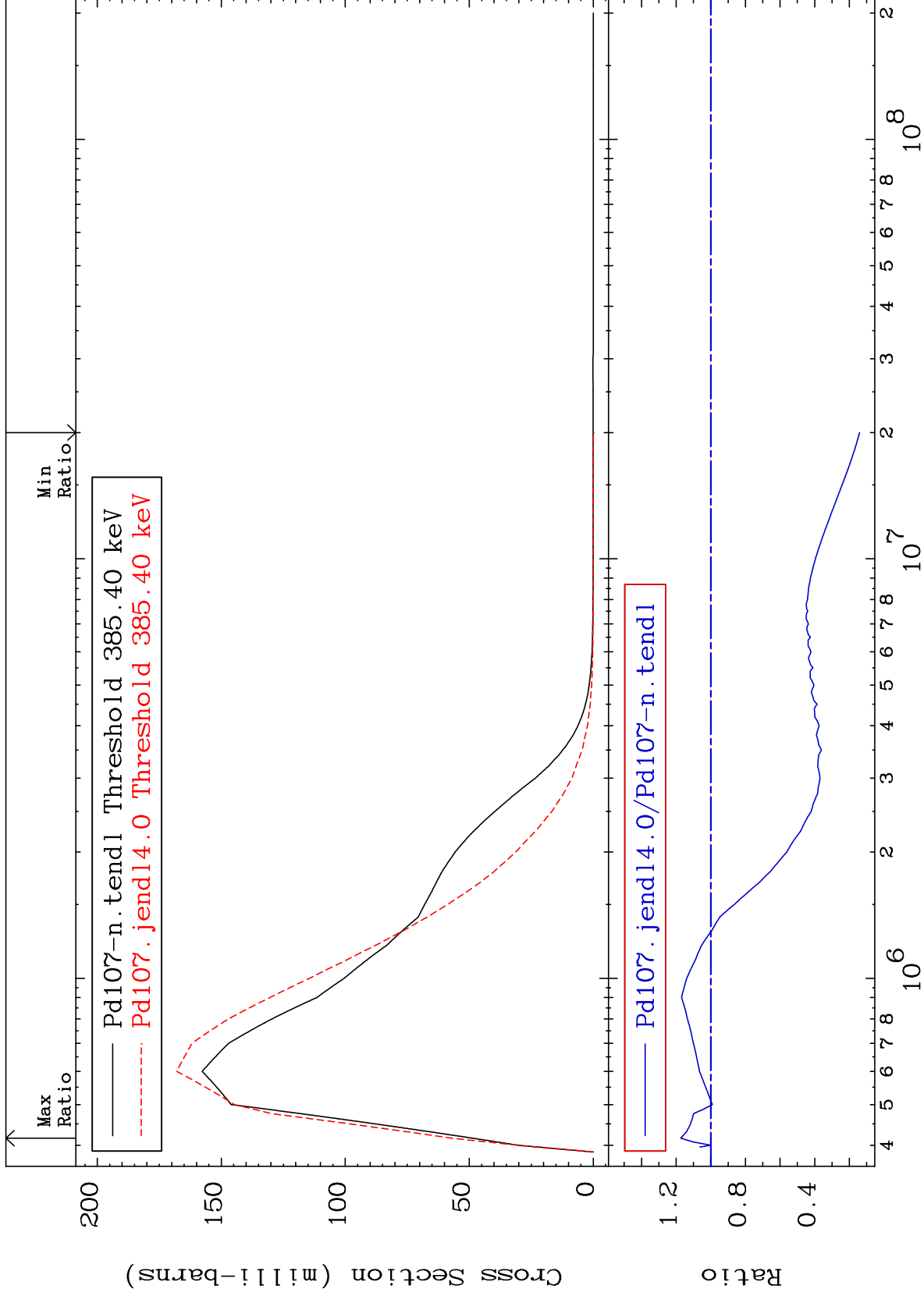
Incident Energy (eV)

46-Pd-107

MAT 4640

381.8 keV (n,n') Level
Cross Section

46-Pd-107
-85.90 To 17.33 %



17

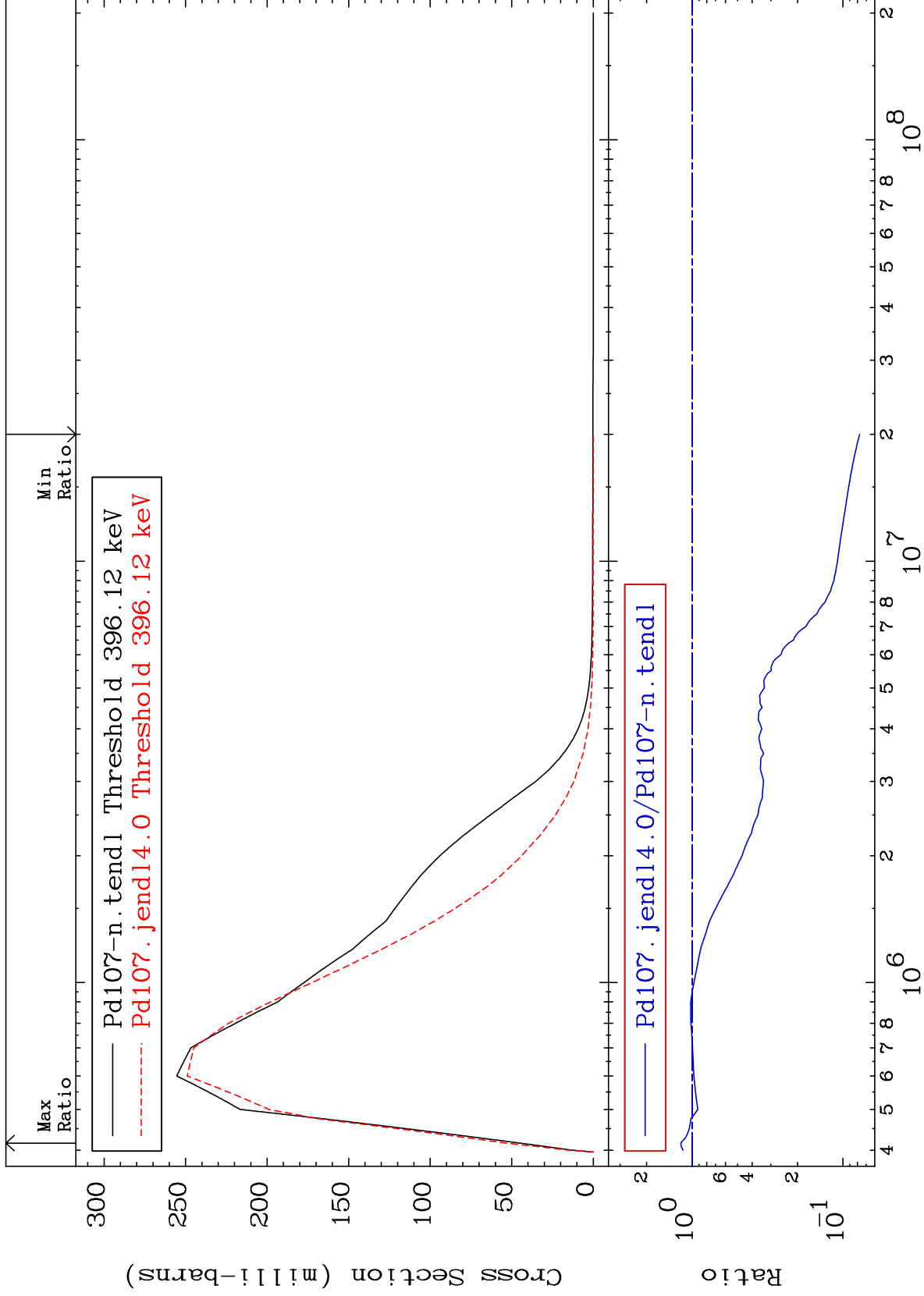
Incident Energy (eV)

46-Pd-107

MAT 4640

392.4 keV (n,n') Level
Cross Section

46-Pd-107
-92.24 To 18.85 %



18

46-Pd-107

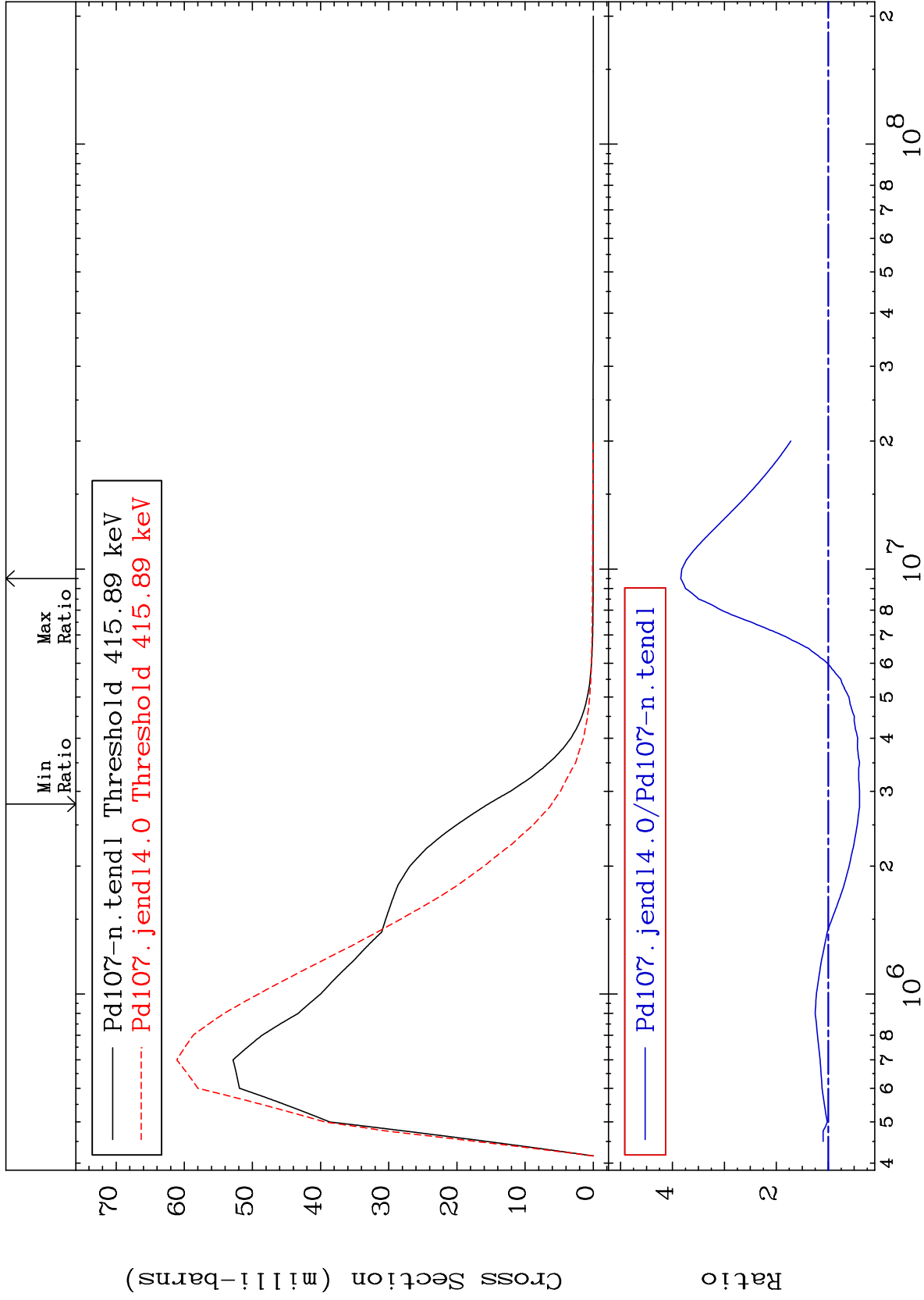
MAT 4640

412.0 keV (n,n') Level

46-Pd-107

-60.33 To 284.0 %

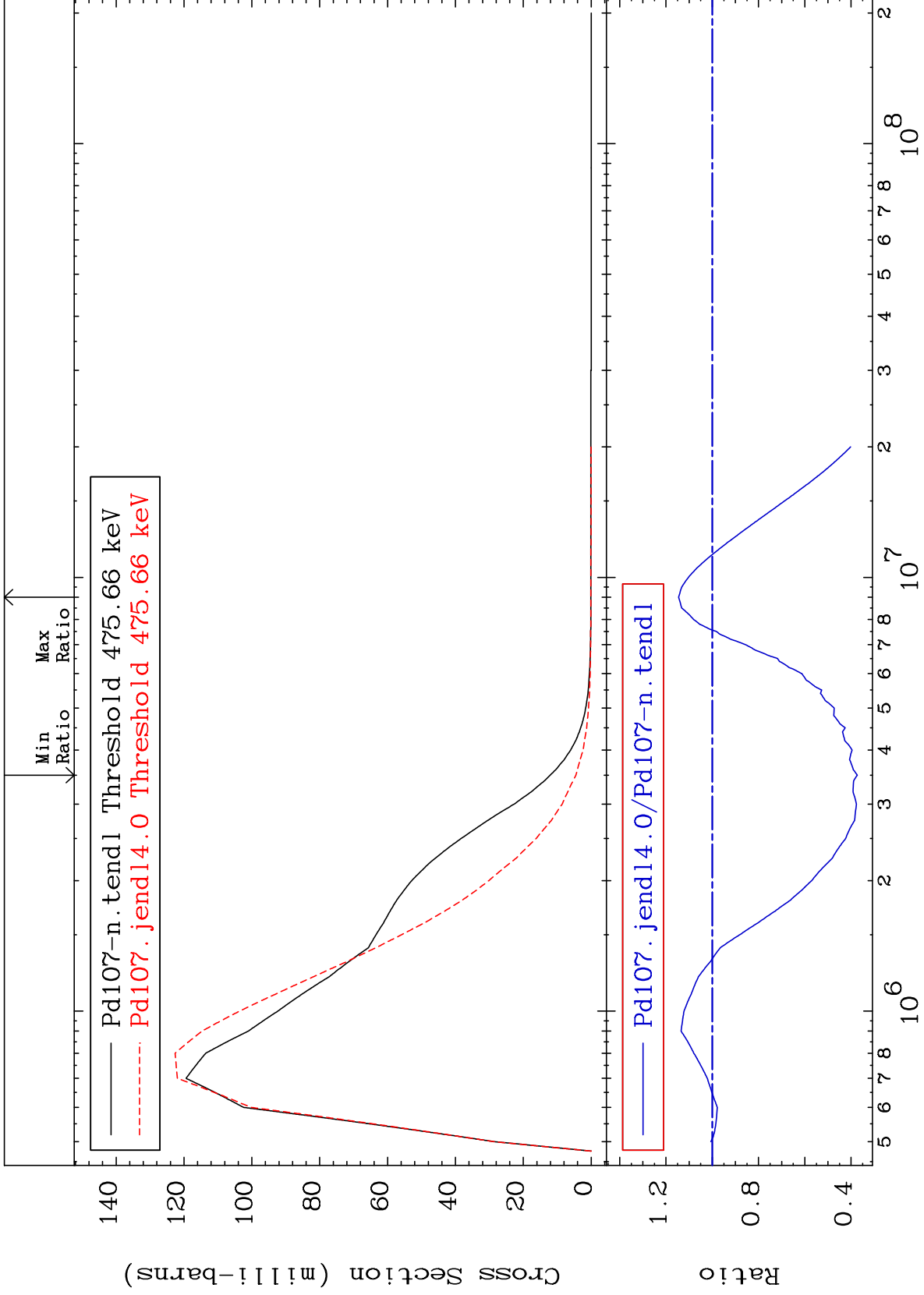
Cross Section



MAT 4640

471.2 keV (n,n') Level
Cross Section

46-Pd-107
-62.67 To 14.54 %



20

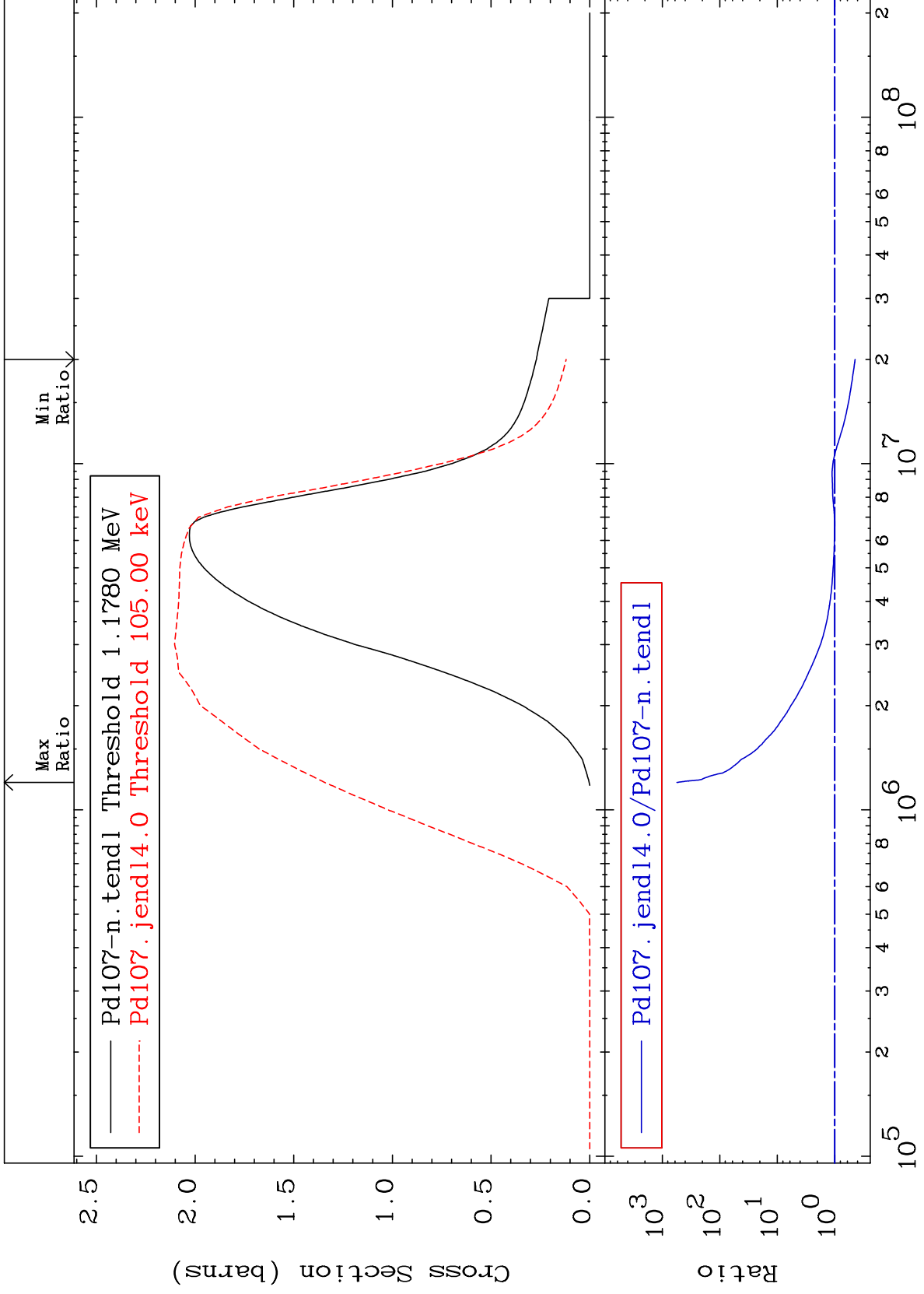
Incident Energy (eV)

46-Pd-107

MAT 4640

(n, n') Continuum
Cross Section

46-Pd-107
-55.82 To 9999. %



21

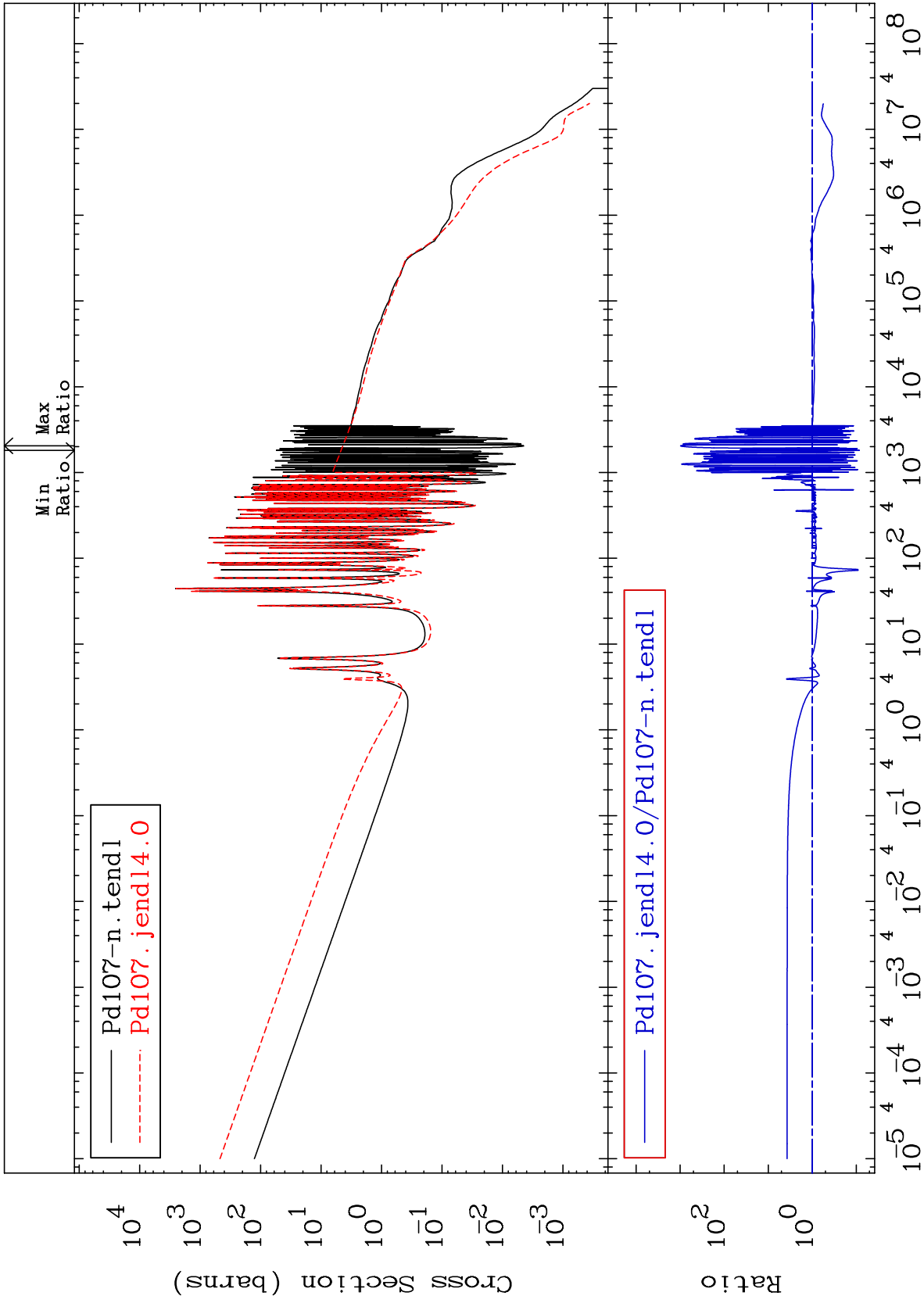
Incident Energy (eV)

46-Pd-107

MAT 4640

(n, γ)
Cross Section

46-Pd-107
-91.54 To 9999. %



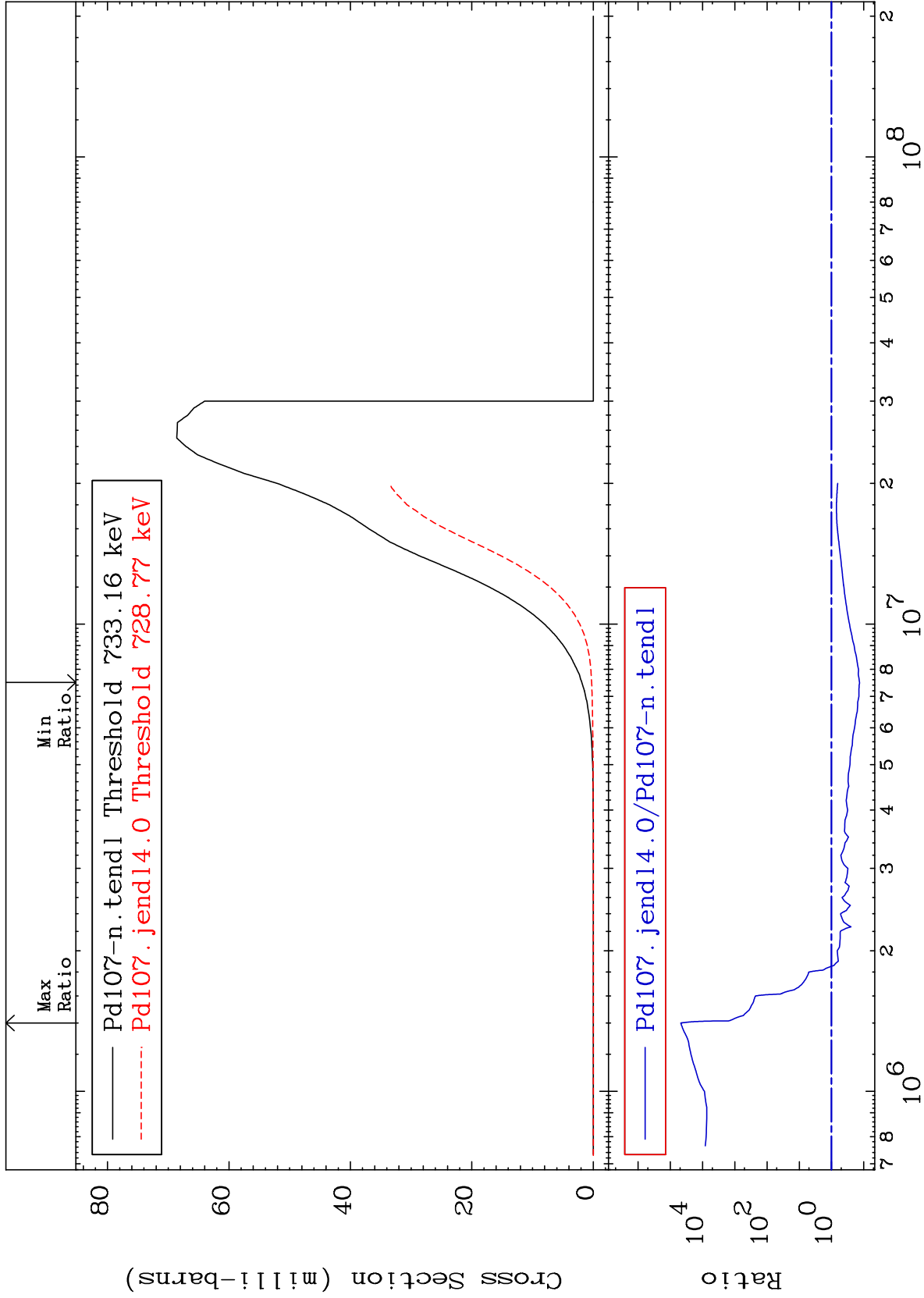
MAT 4640

(n,p)

46-Pd-107

Cross Section

-86.47 To 9999. %



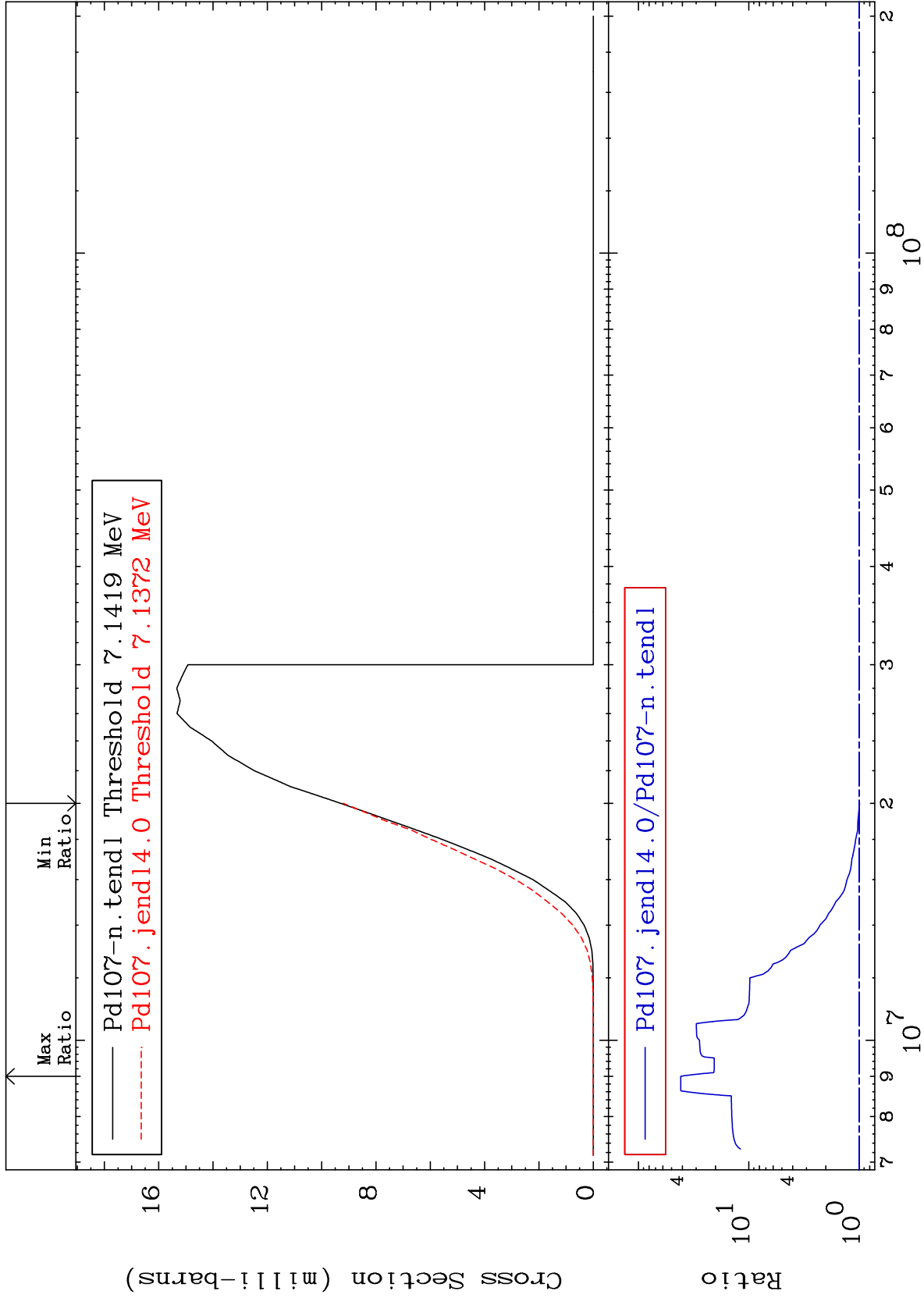
MAT 4640

(n, d)

46-Pd-107

Cross Section

-1.020 To 4031. %



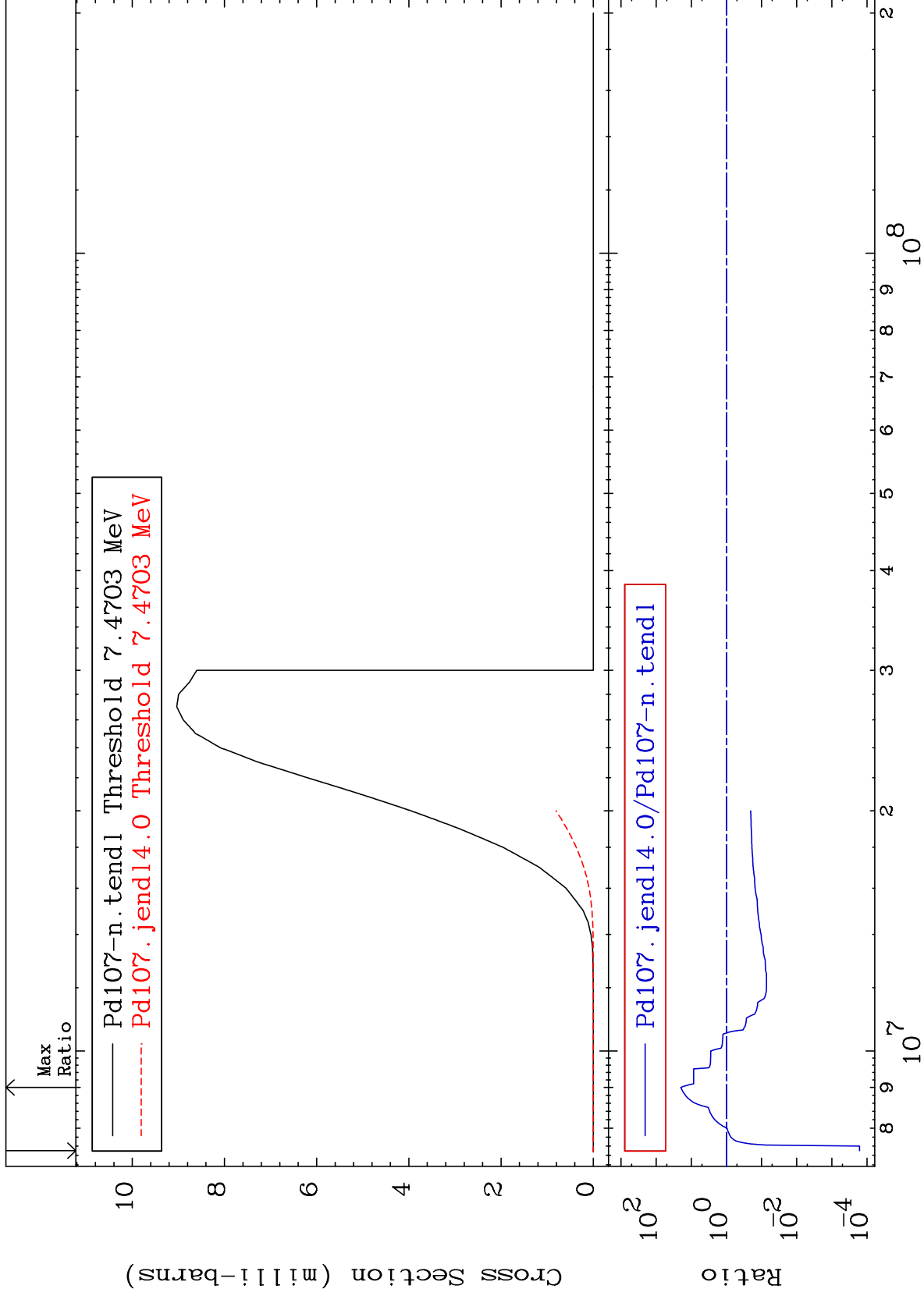
24

46-Pd-107

MAT 4640

(n, t)
Cross Section

46-Pd-107
-99.98 To 1892. %



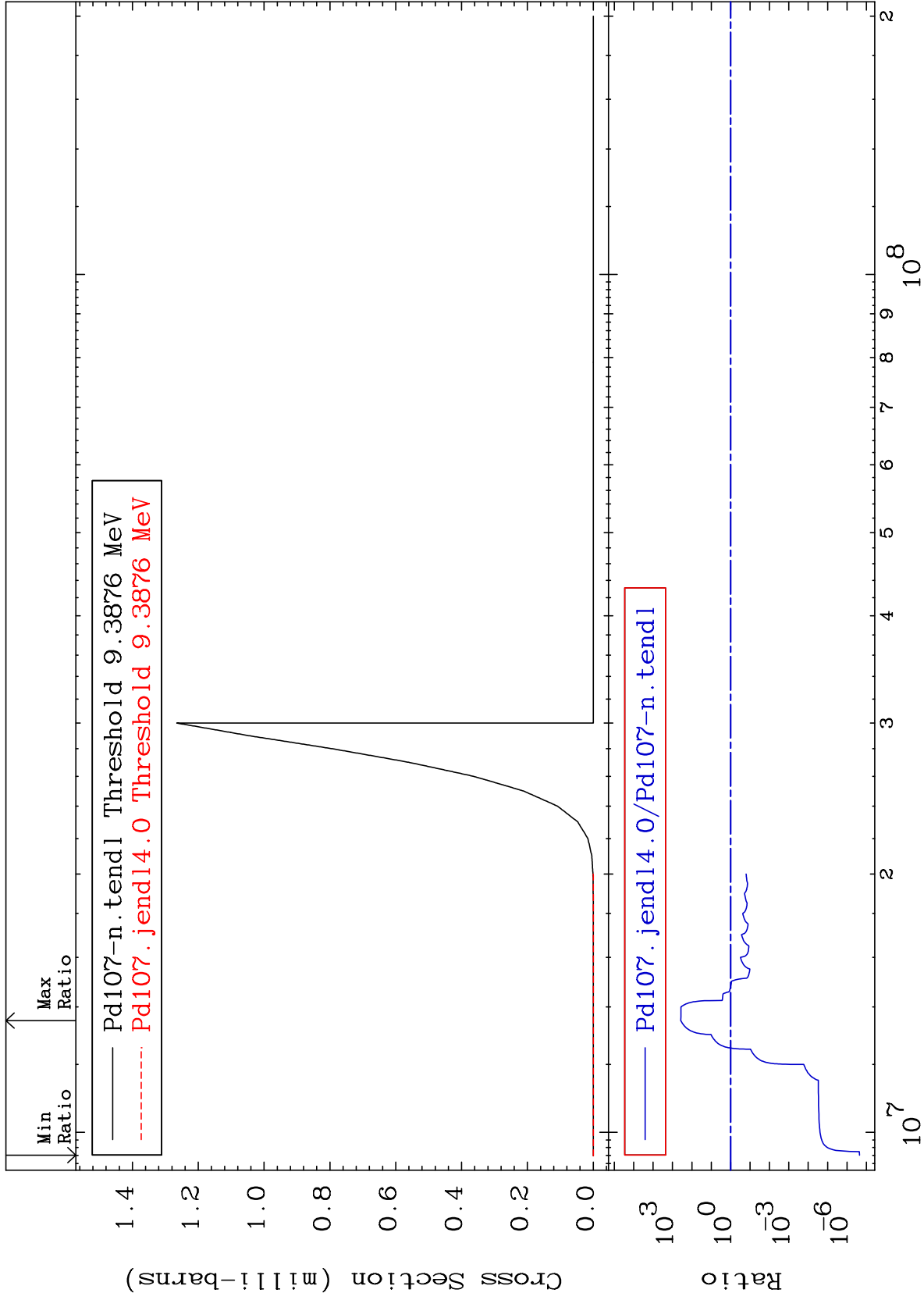
MAT 4640

(n, He-3)

46-Pd-107

Cross Section

-100.0 To 9999. %



26

Incident Energy (eV)

46-Pd-107

MAT 4640

(n, α)

46-Pd-107

Cross Section

-84.93 To 9999. %

Max Ratio

Min Ratio

— Pd107-n.tendl
- - - Pd107.jendl4.0

— Pd107.jendl4.0/Pd107-n.tendl

10^{-1}
 10^{-2}
 10^{-3}
 10^{-4}
 10^{-5}
 10^{-6}
 10^{-7}
 10^{-8}
 10^{-3}
 10^{-2}
 10^{-1}
 10^0
 10^1
 10^2
 10^3
 10^4
 10^5
 10^6
 10^7
 10^8

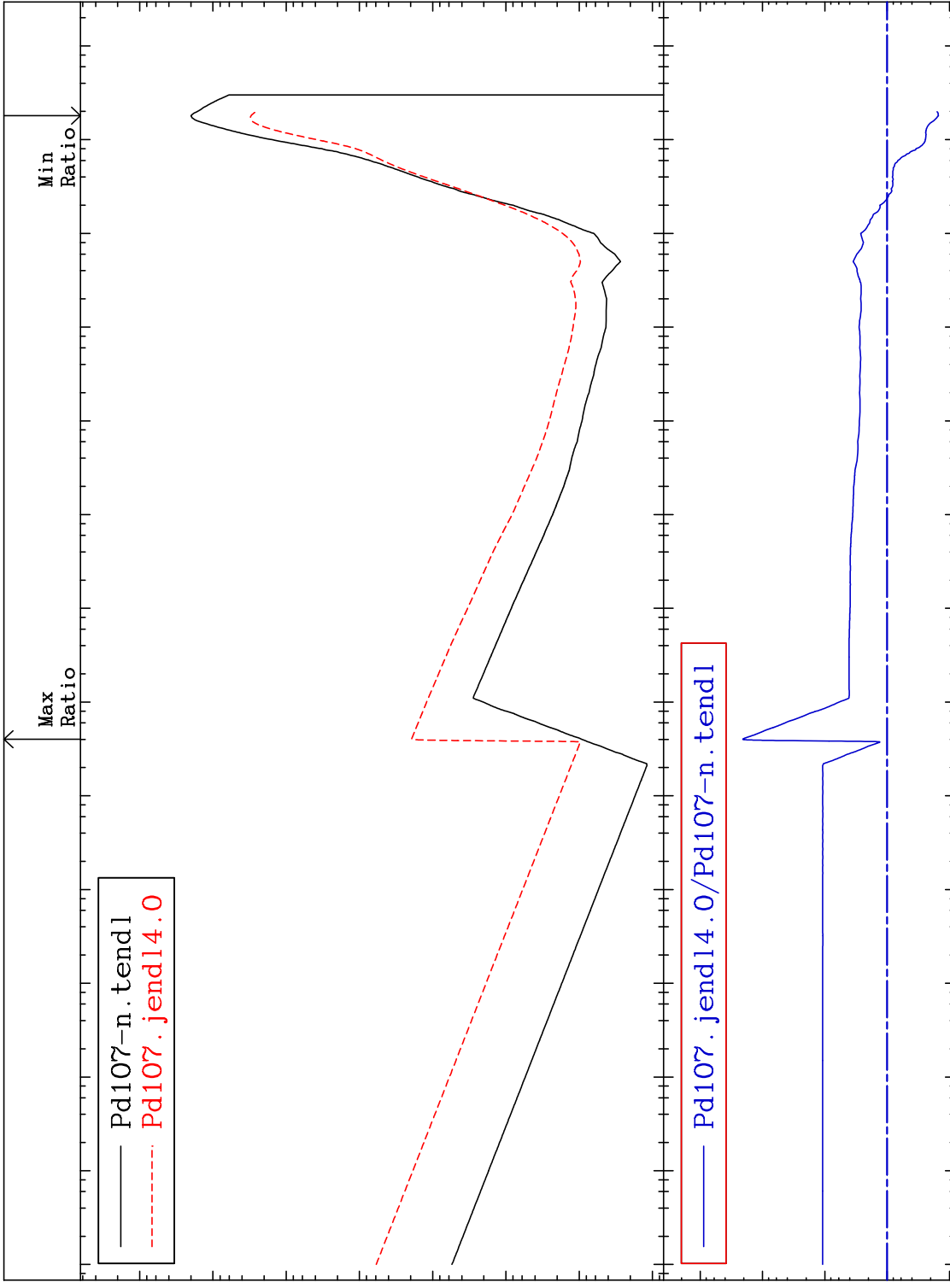
Cross Section (barns)

Ratio

Incident Energy (eV)

46-Pd-107

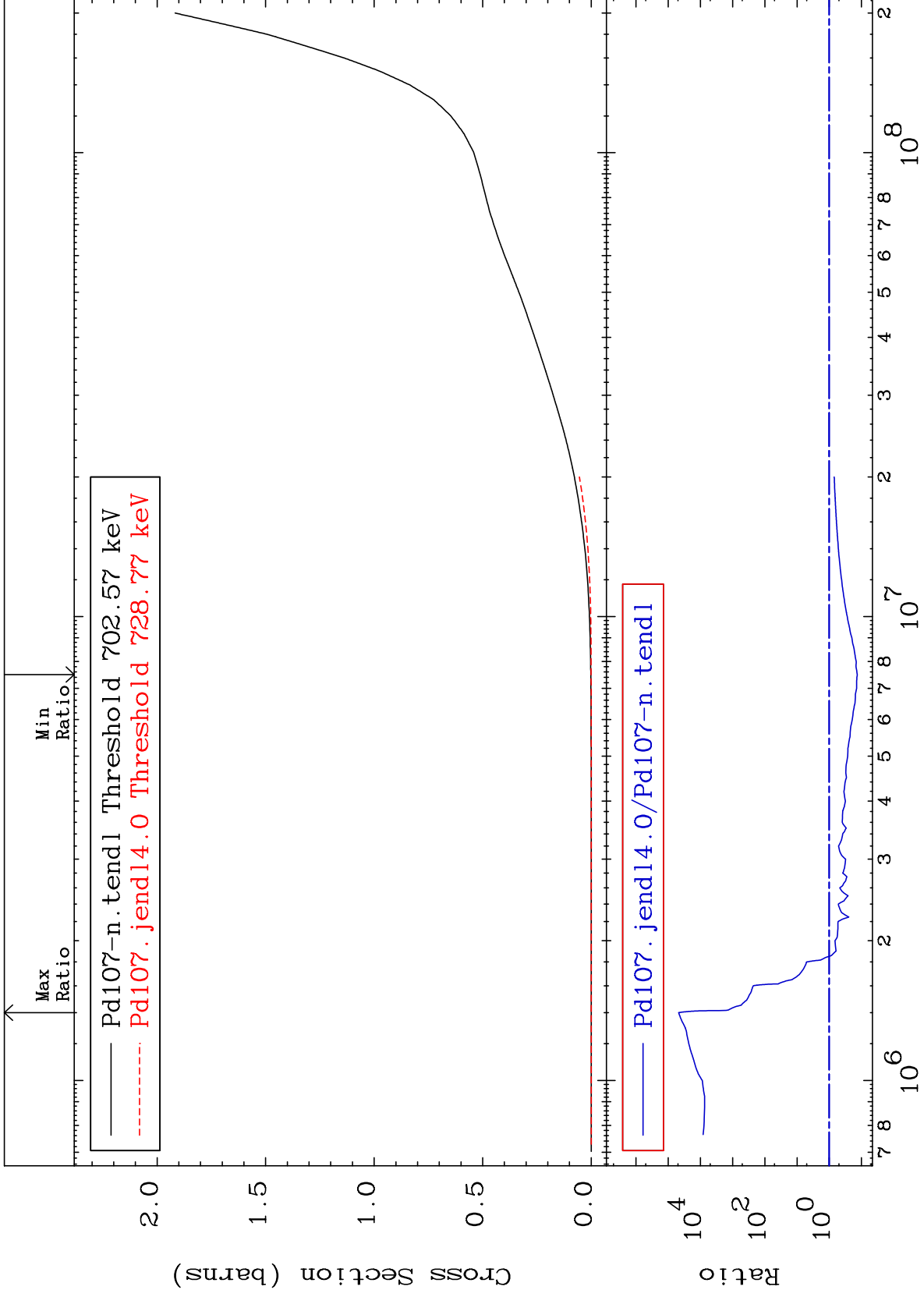
27



MAT 4640

Hydrogen Production
Cross Section

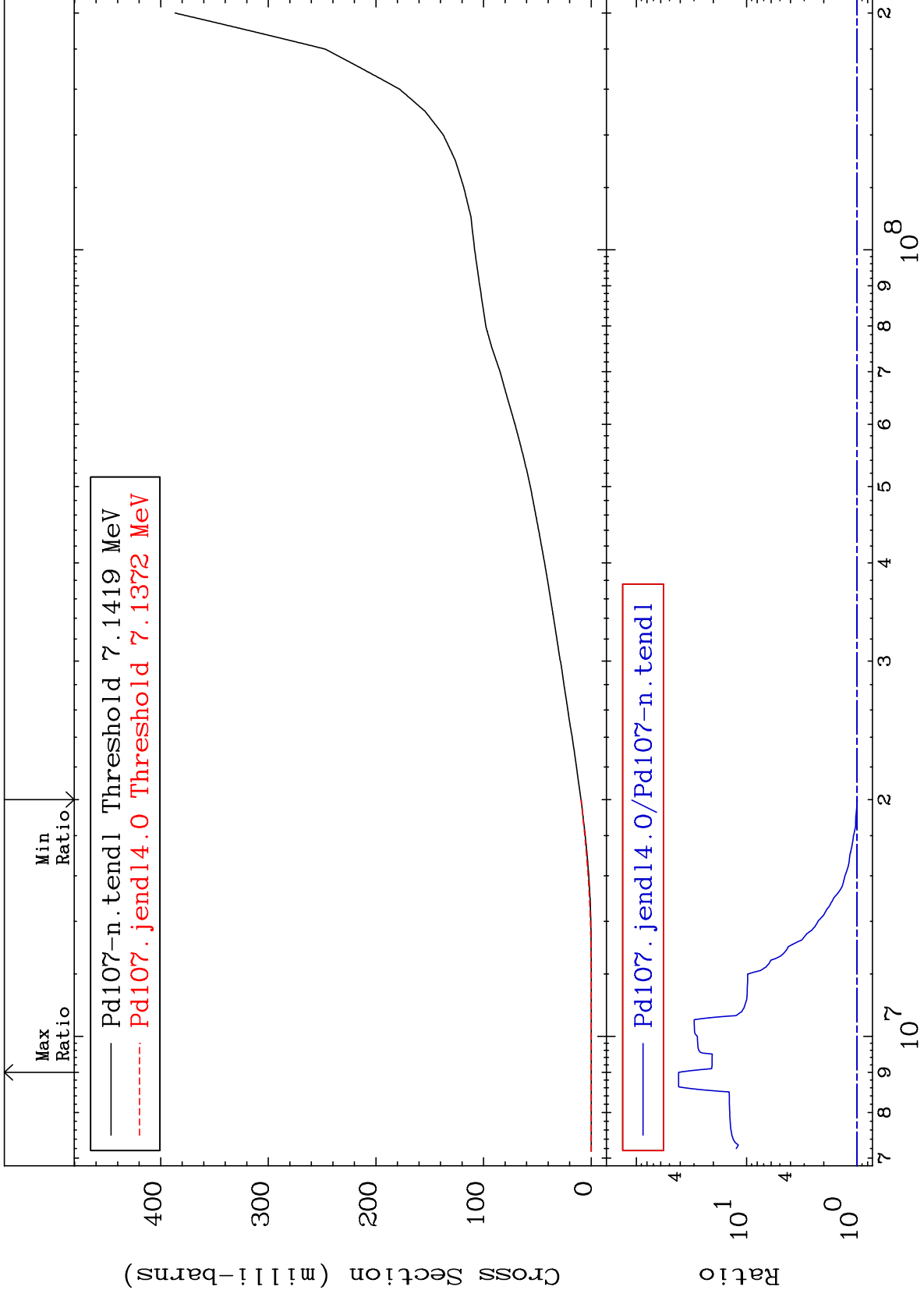
46-Pd-107
-86.47 To 9999. %



MAT 4640

Deuterium Production
Cross Section

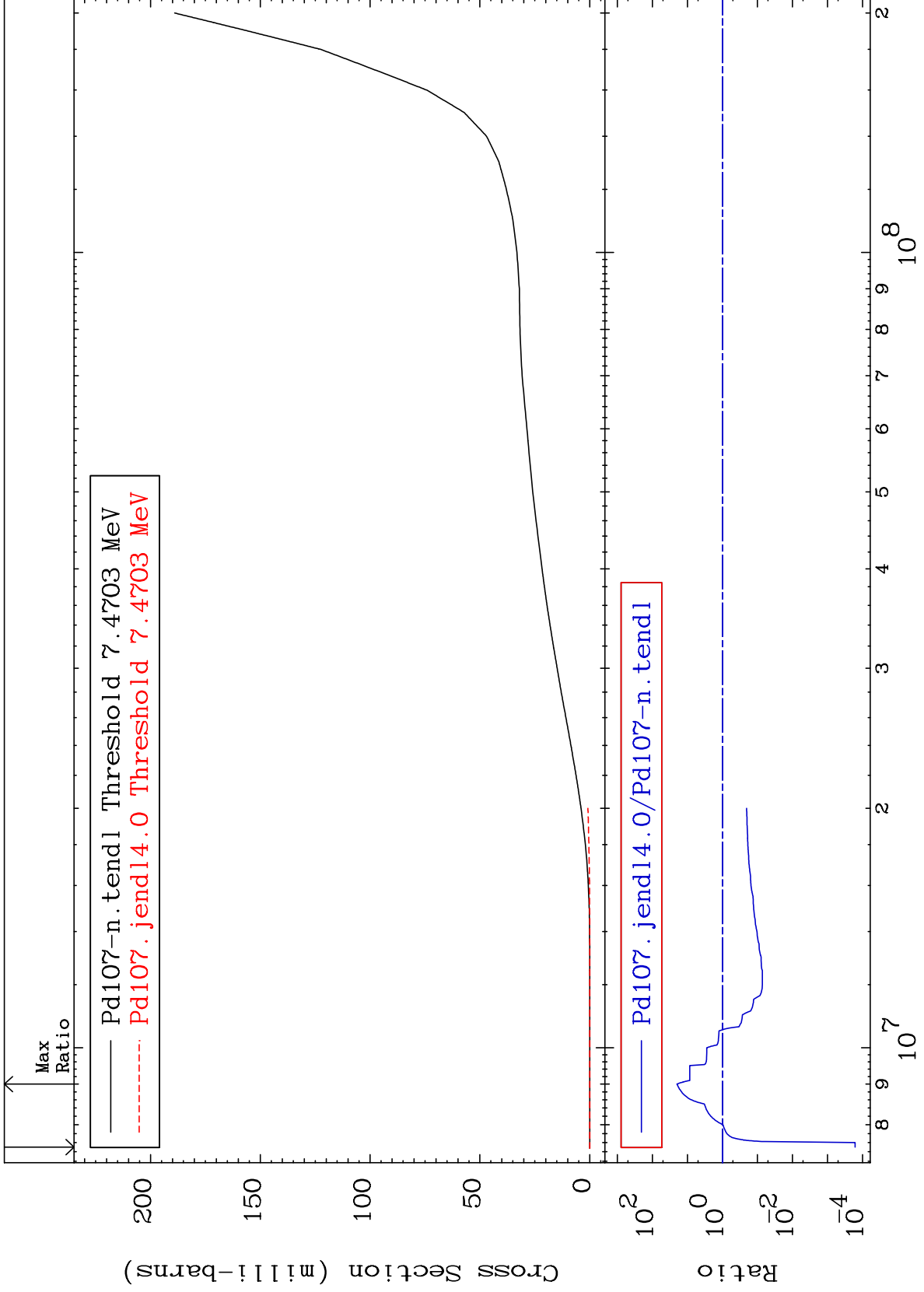
46-Pd-107
-0.610 To 4031. %



MAT 4640

Tritium Production
Cross Section

46-Pd-107
-99.98 To 1892. %



30

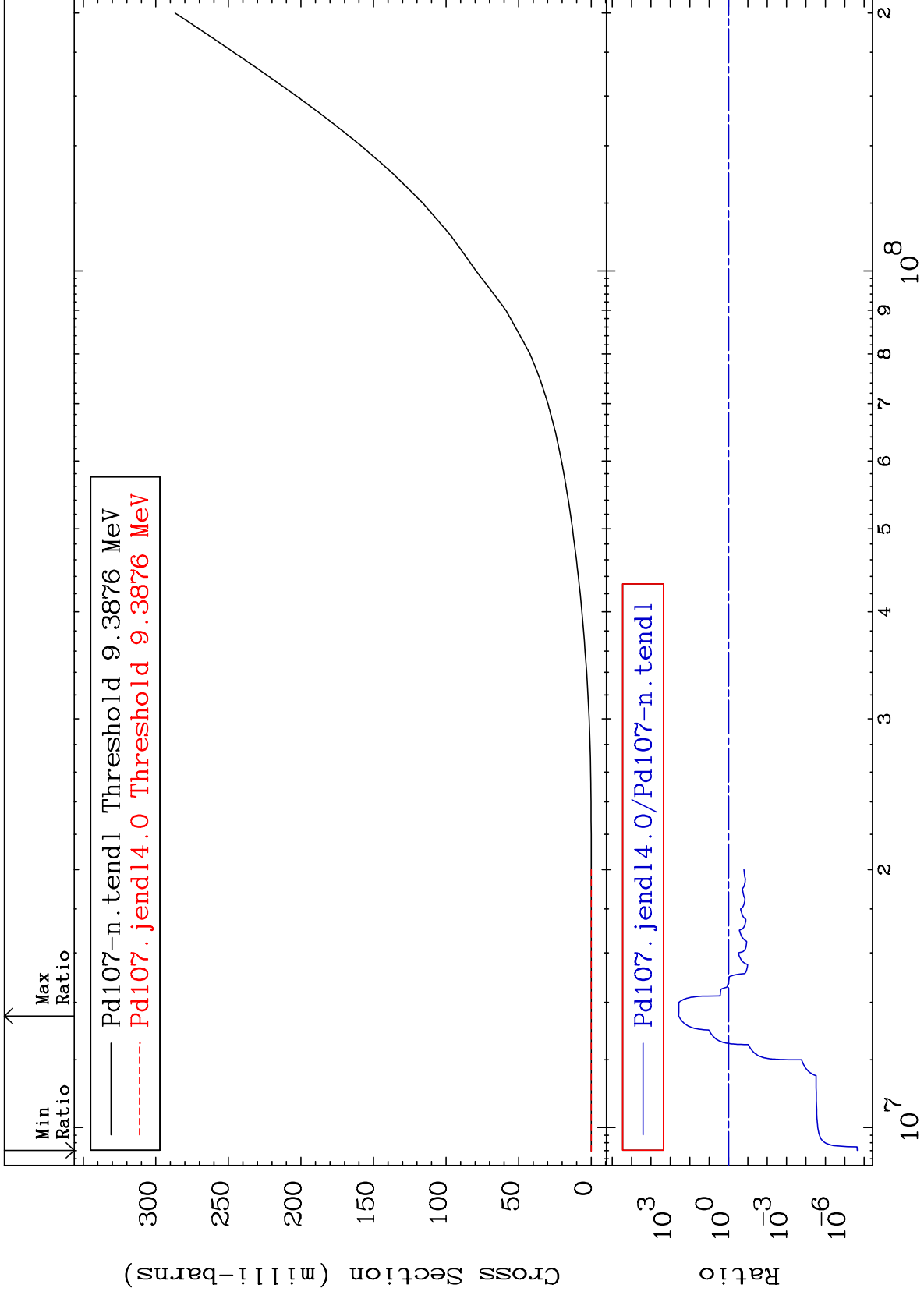
Incident Energy (eV)

46-Pd-107

MAT 4640

He-3 Production
Cross Section

46-Pd-107
-100.0 To 9999. %



31

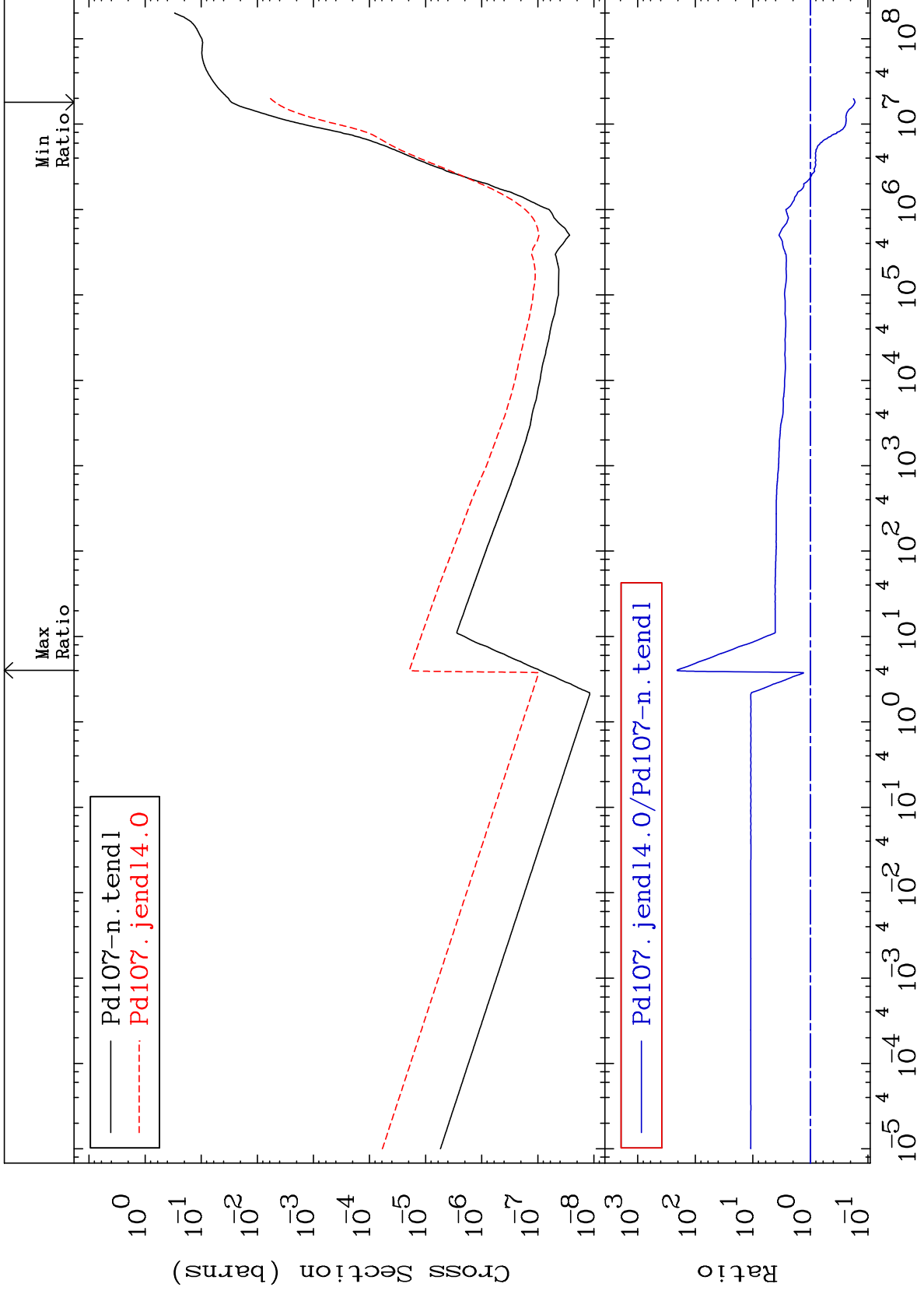
Incident Energy (eV)

46-Pd-107

MAT 4640

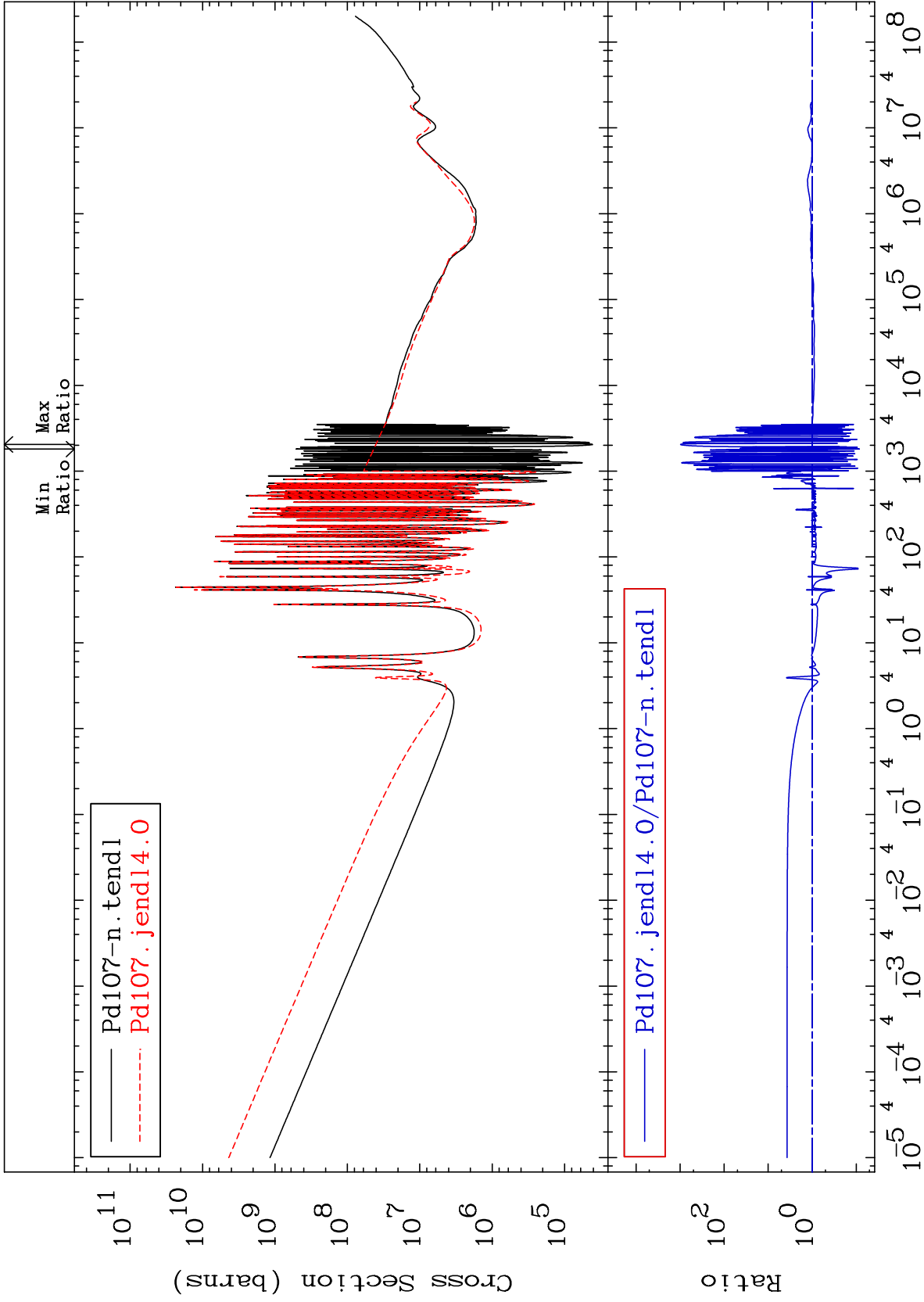
He-4 Production
Cross Section

46-Pd-107
-83.31 To 9999. %



Cross Section

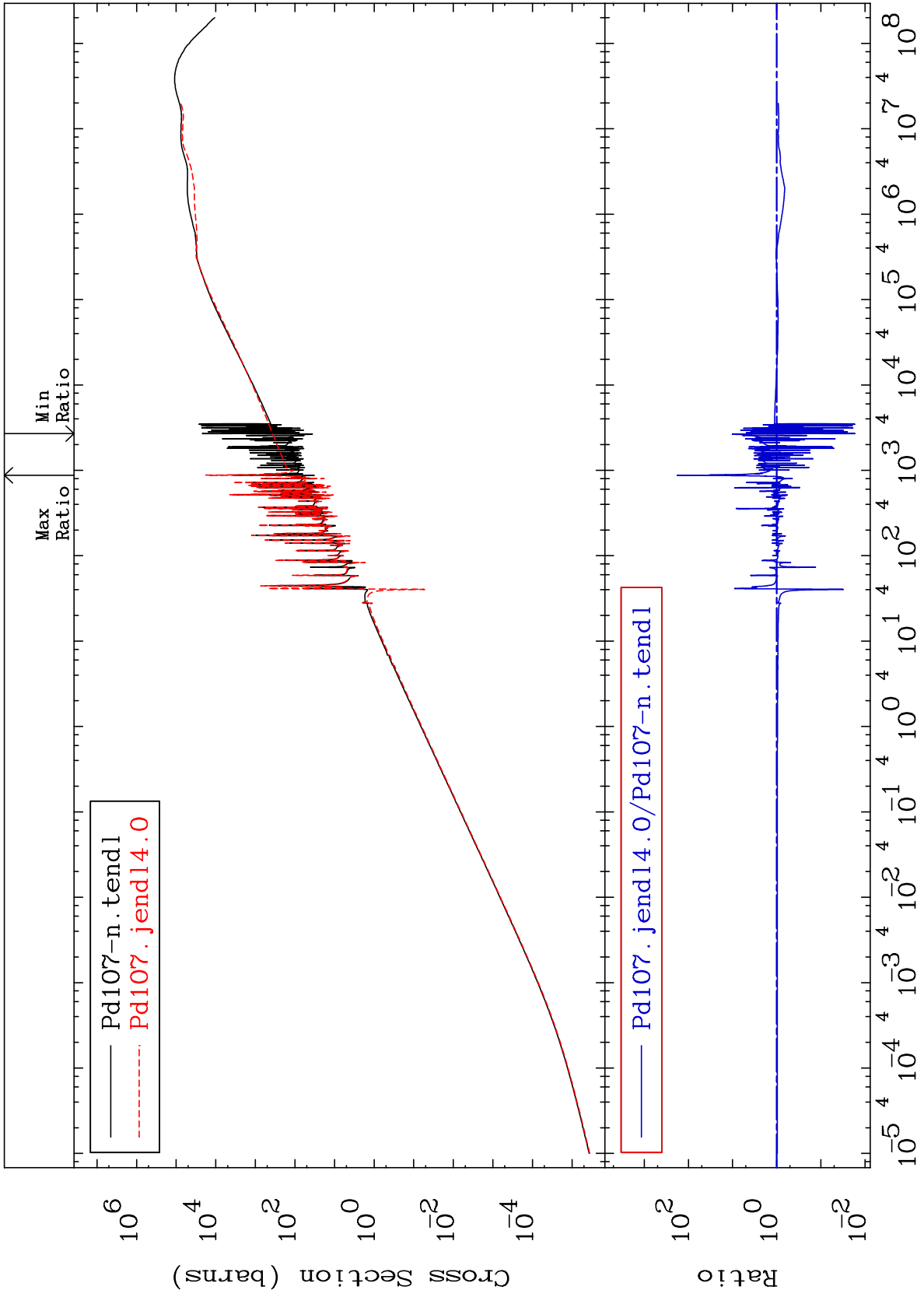
-91.54 To 9999. %



MAT 4640

Kerma elastic
Cross Section

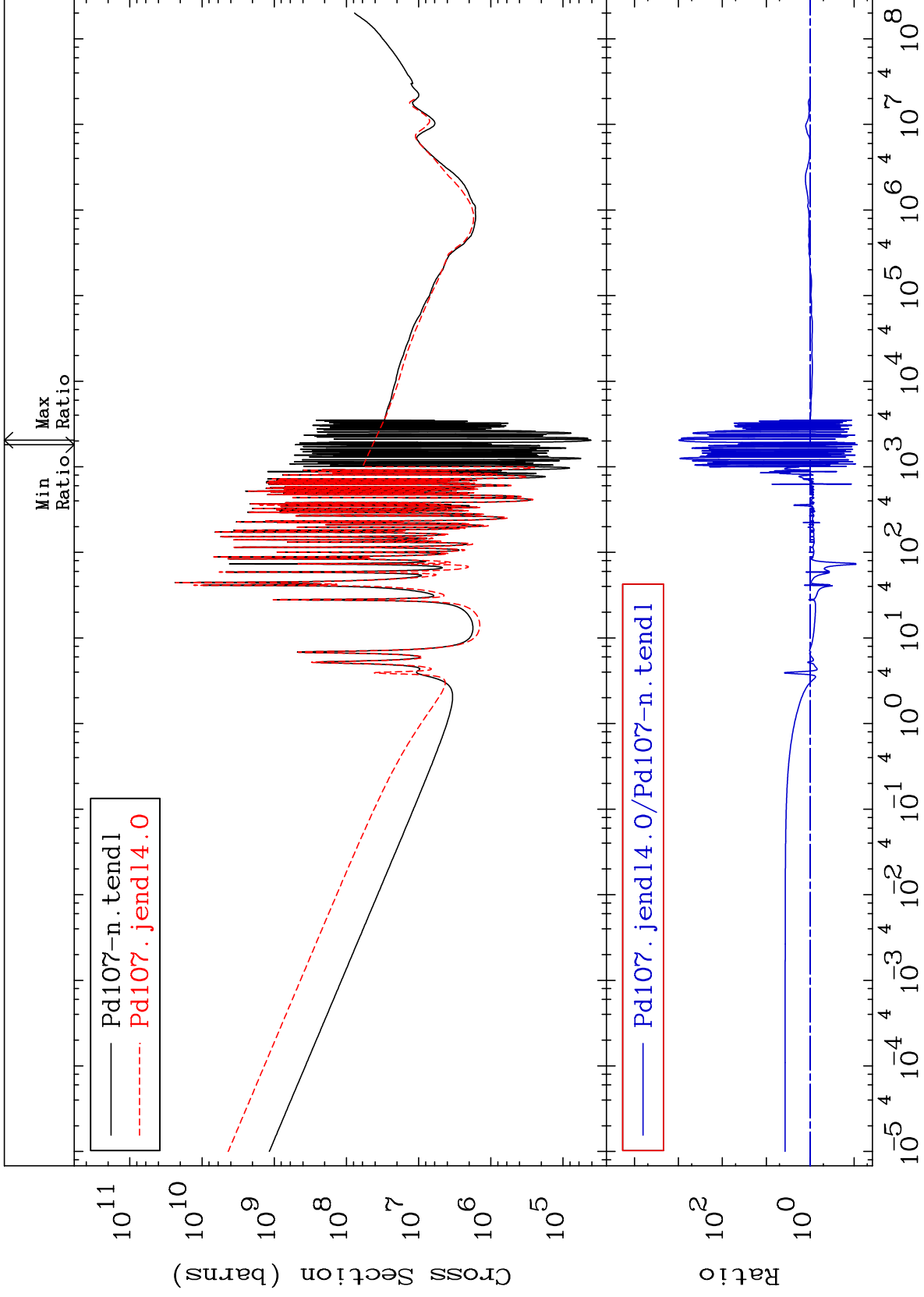
46-Pd-107
-98.32 To 9999. %



MAT 4640

Kerma non-elastic (all but mt2)
Cross Section

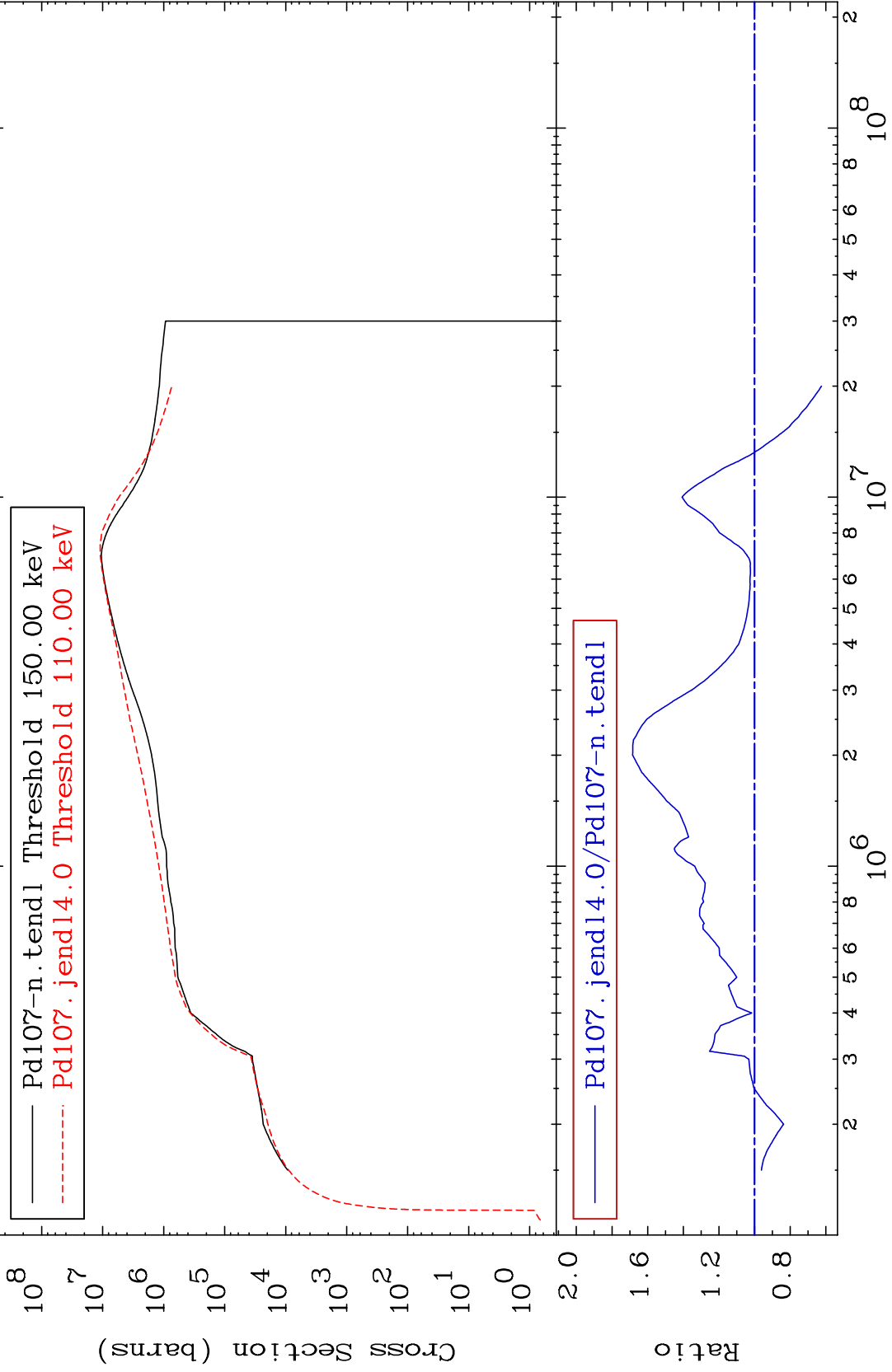
46-Pd-107
-91.54 To 9999. %



35

Incident Energy (eV)

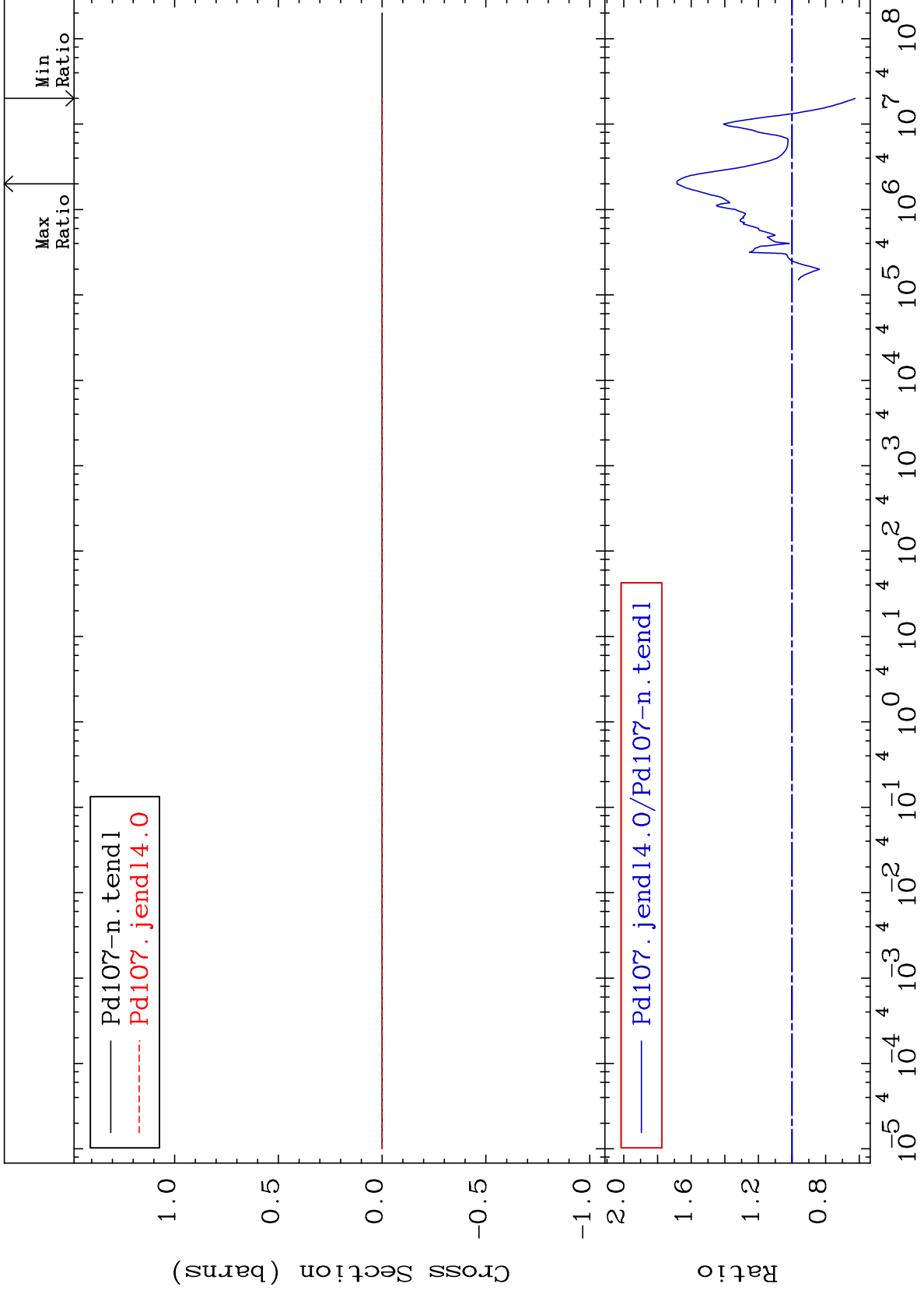
46-Pd-107



MAT 4640

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

46-Pd-107
-37.53 To 68.44 %



37

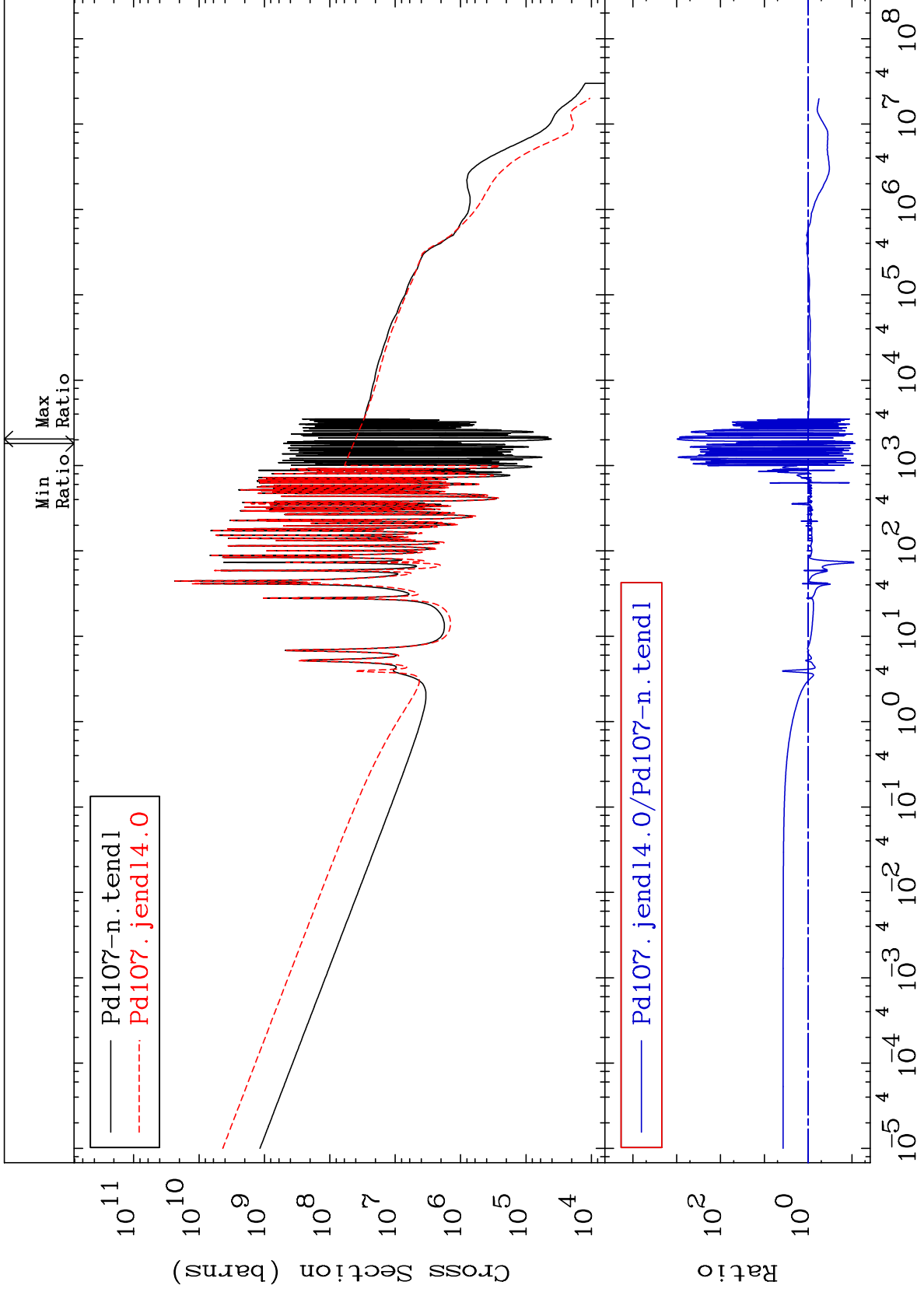
Incident Energy (eV)

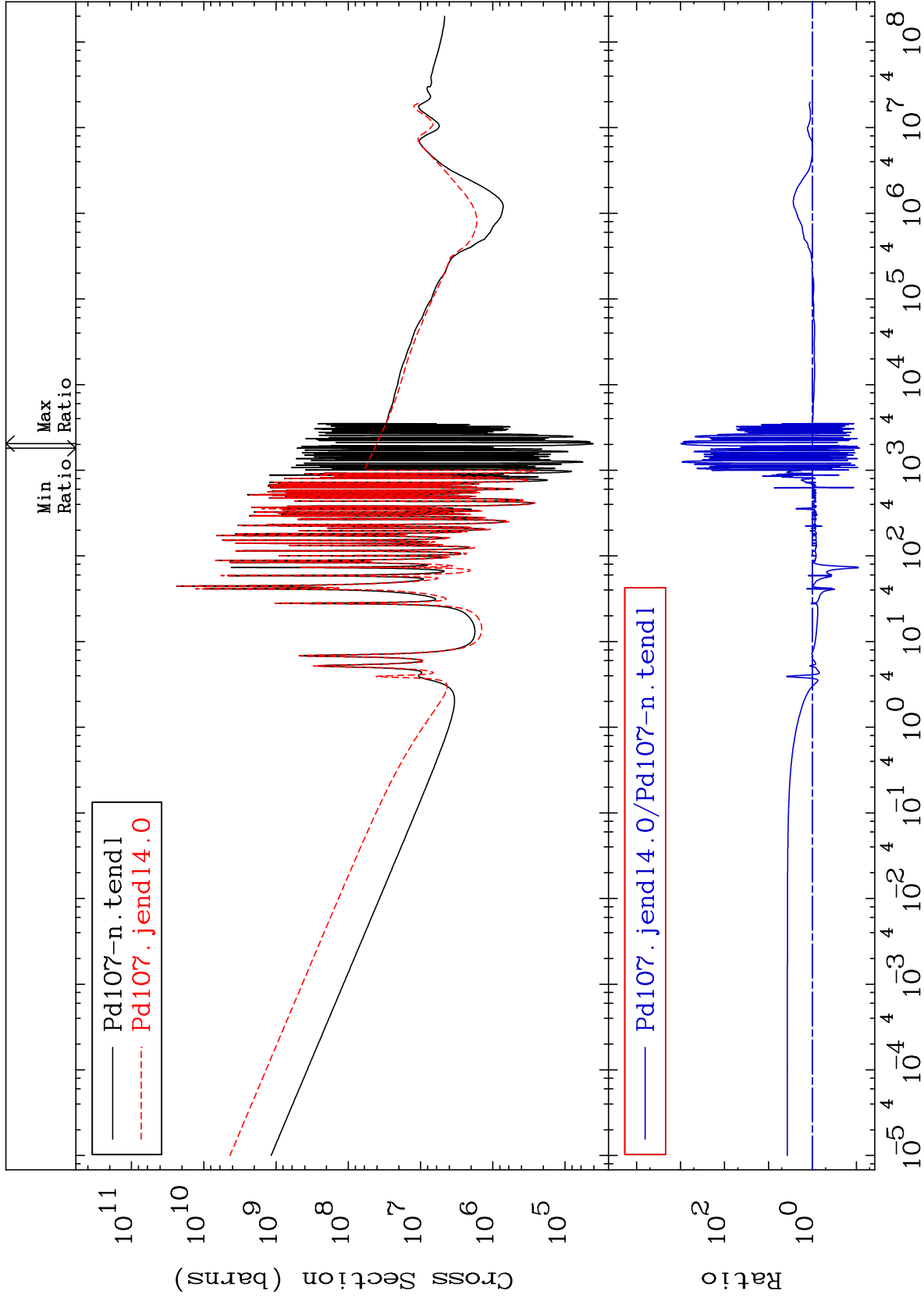
46-Pd-107

MAT 4640

Kerma capture (mt102)
Cross Section

46-Pd-107
-91.54 To 9999. %



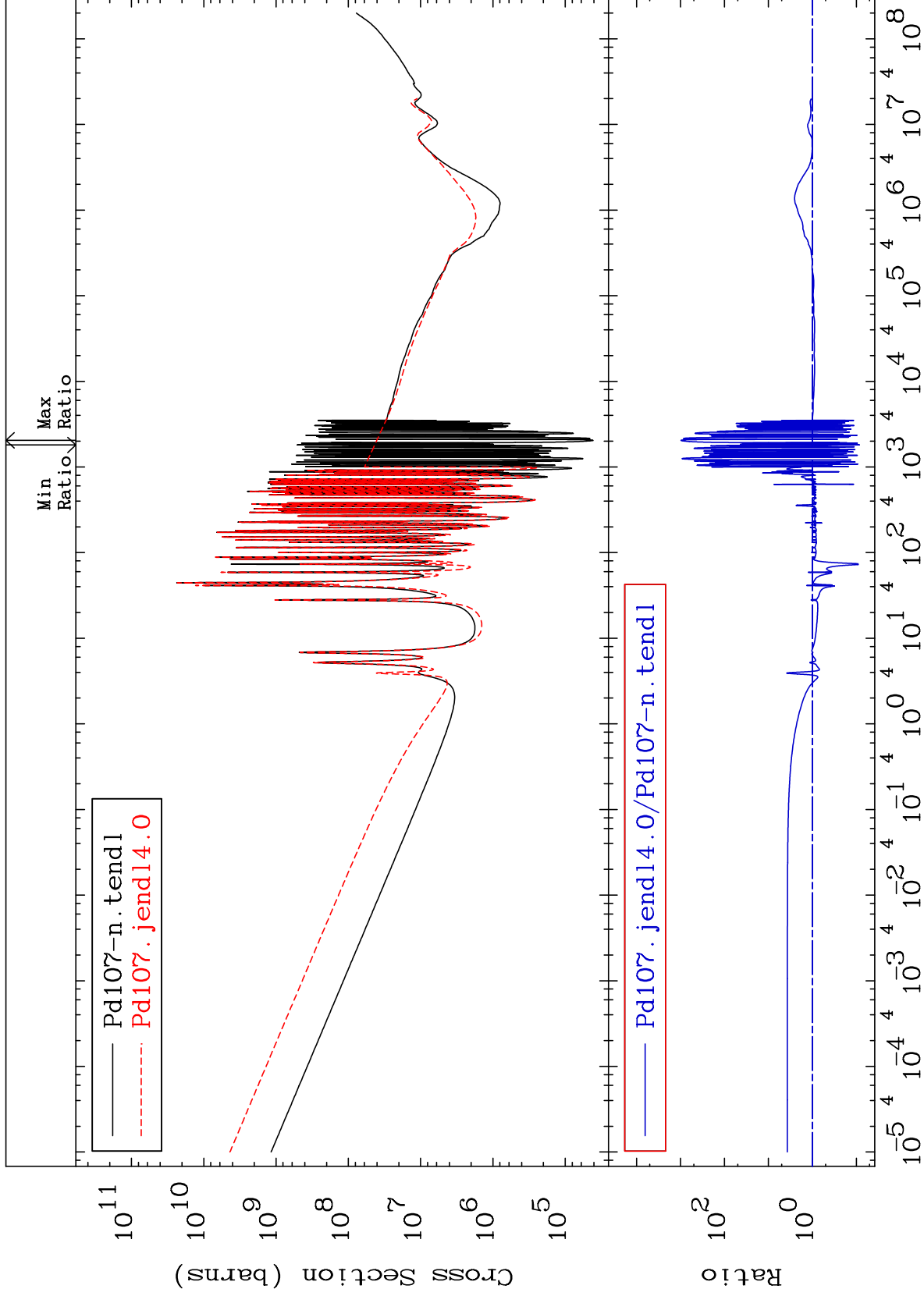


MAT 4640

Total kinematic kerma (high limit)
Cross Section

46-Pd-107

-91.54 To 9999. %



40

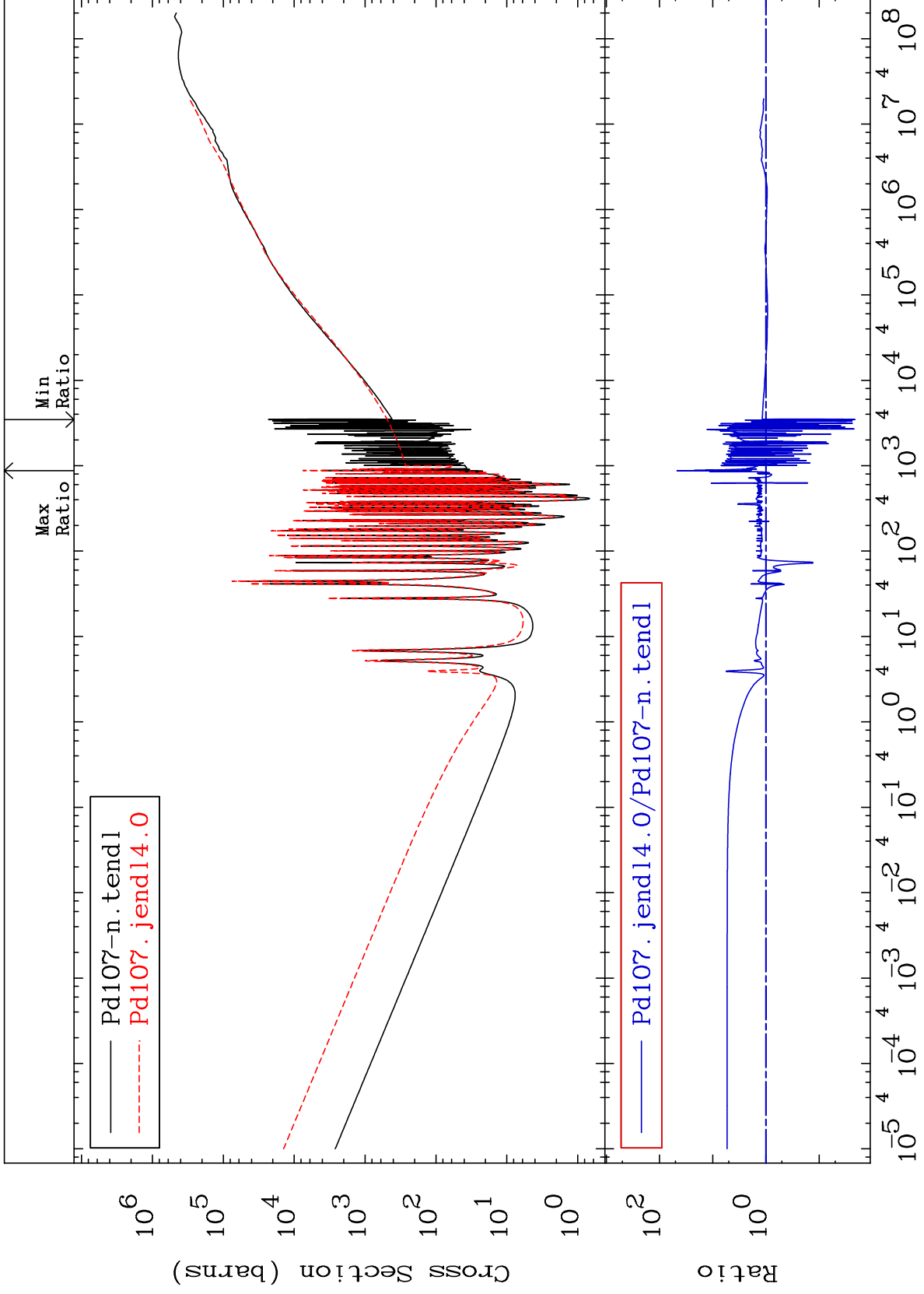
Incident Energy (eV)

46-Pd-107

MAT 4640

Dpa total (eV-barns)
Cross Section

46-Pd-107
-97.89 To 4599. %



MAT 4640

Dpa elastic (mt2)
Cross Section

46-Pd-107
-98.33 To 9999. %

