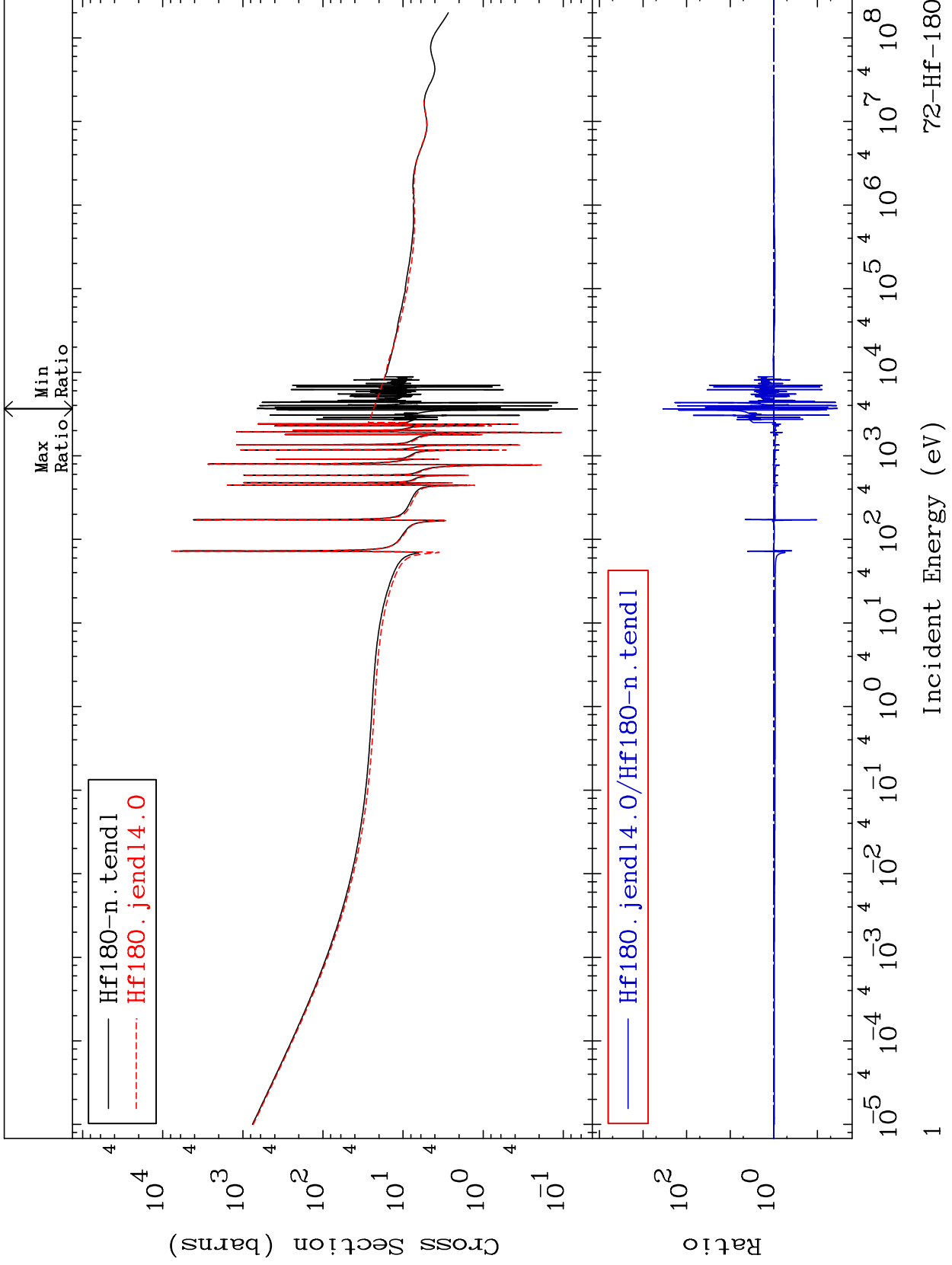


MAT 7243

Total
Cross Section

72-Hf-180
-96.51 To 9999. %



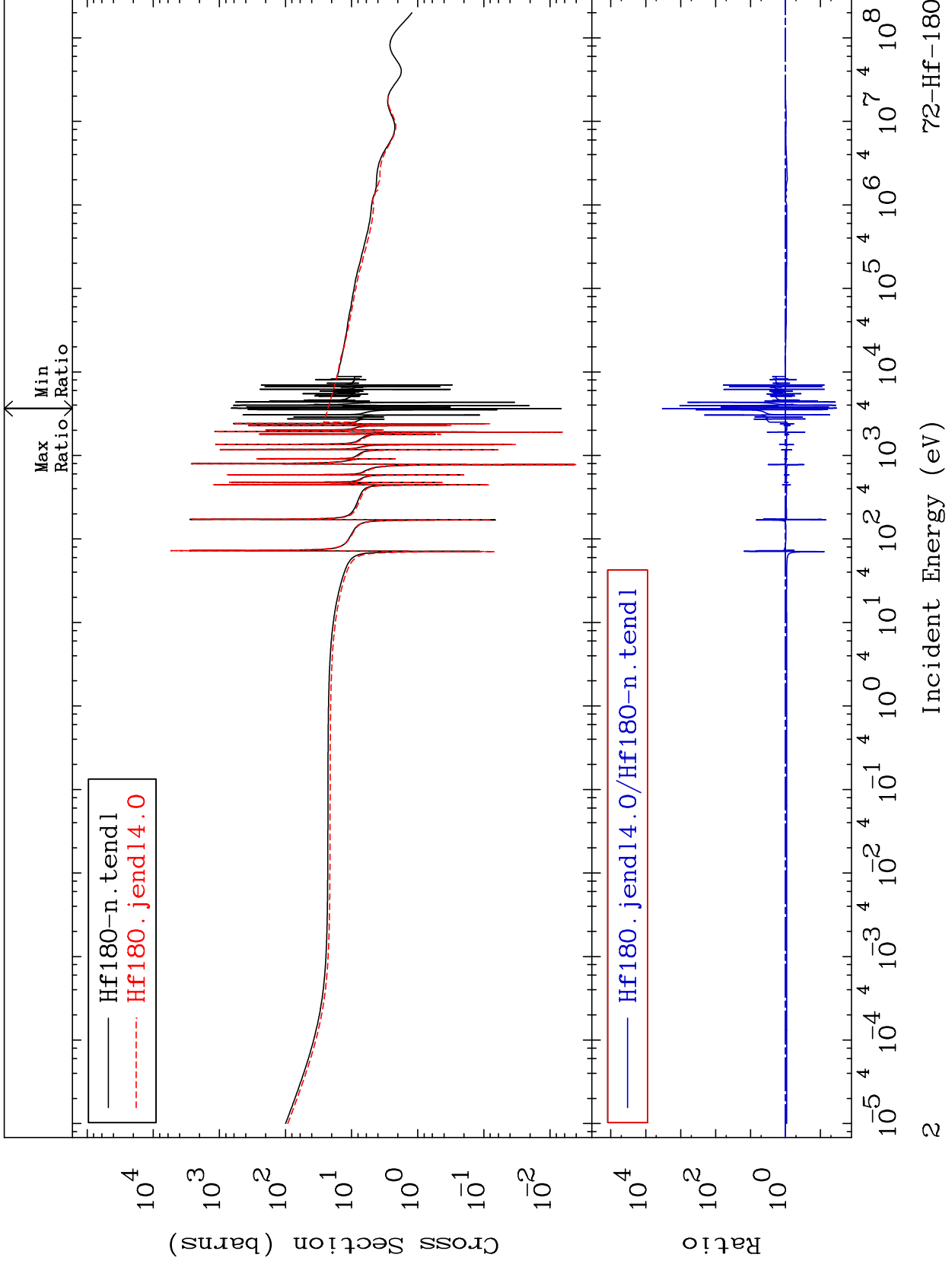
Incident Energy (eV)

72-Hf-180

MAT 7243

Elastic
Cross Section

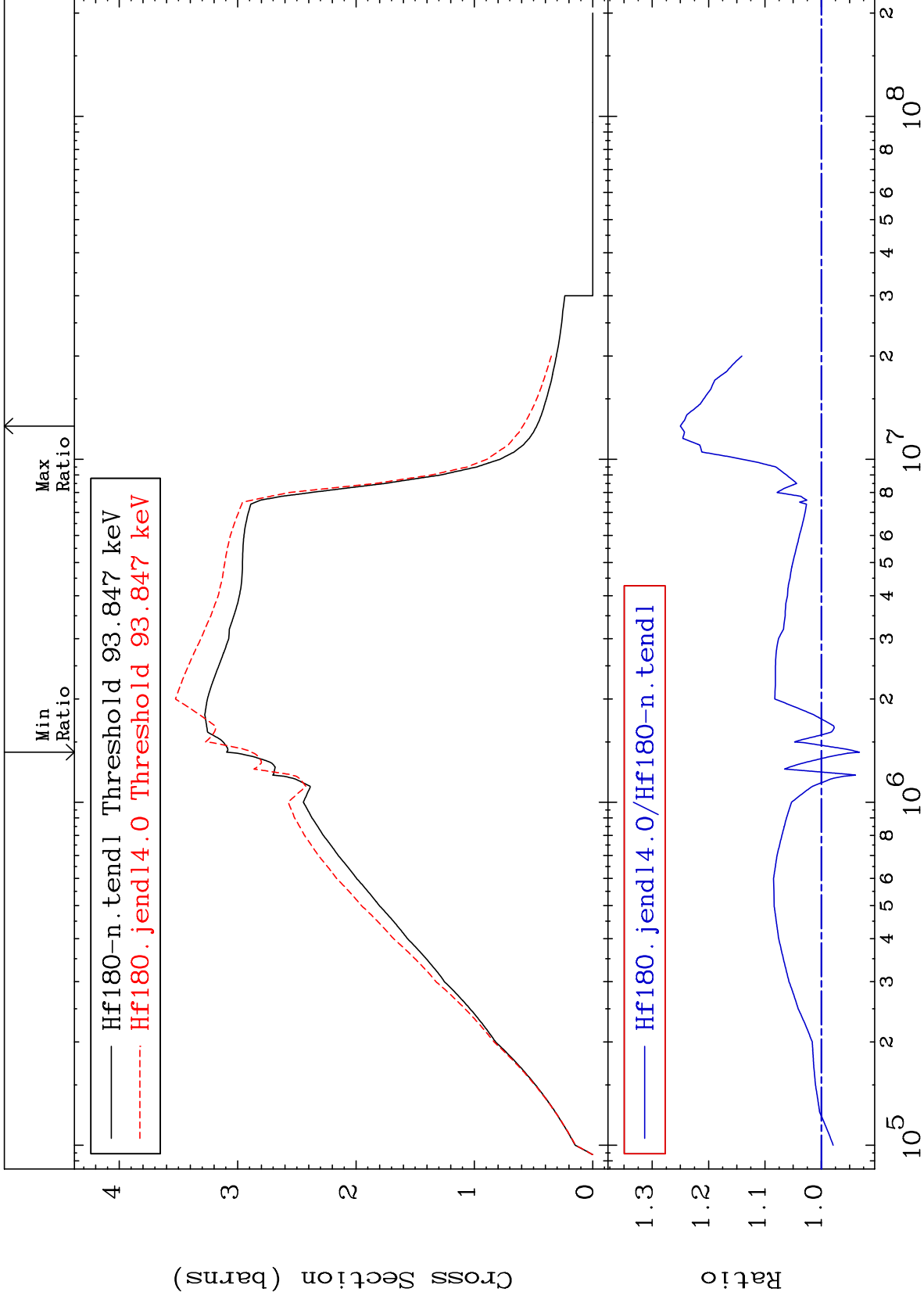
72-Hf-180
-96.56 To 9999. %



MAT 7243

Inelastic
Cross Section

72-Hf-180
-6.757 To 25.00 %



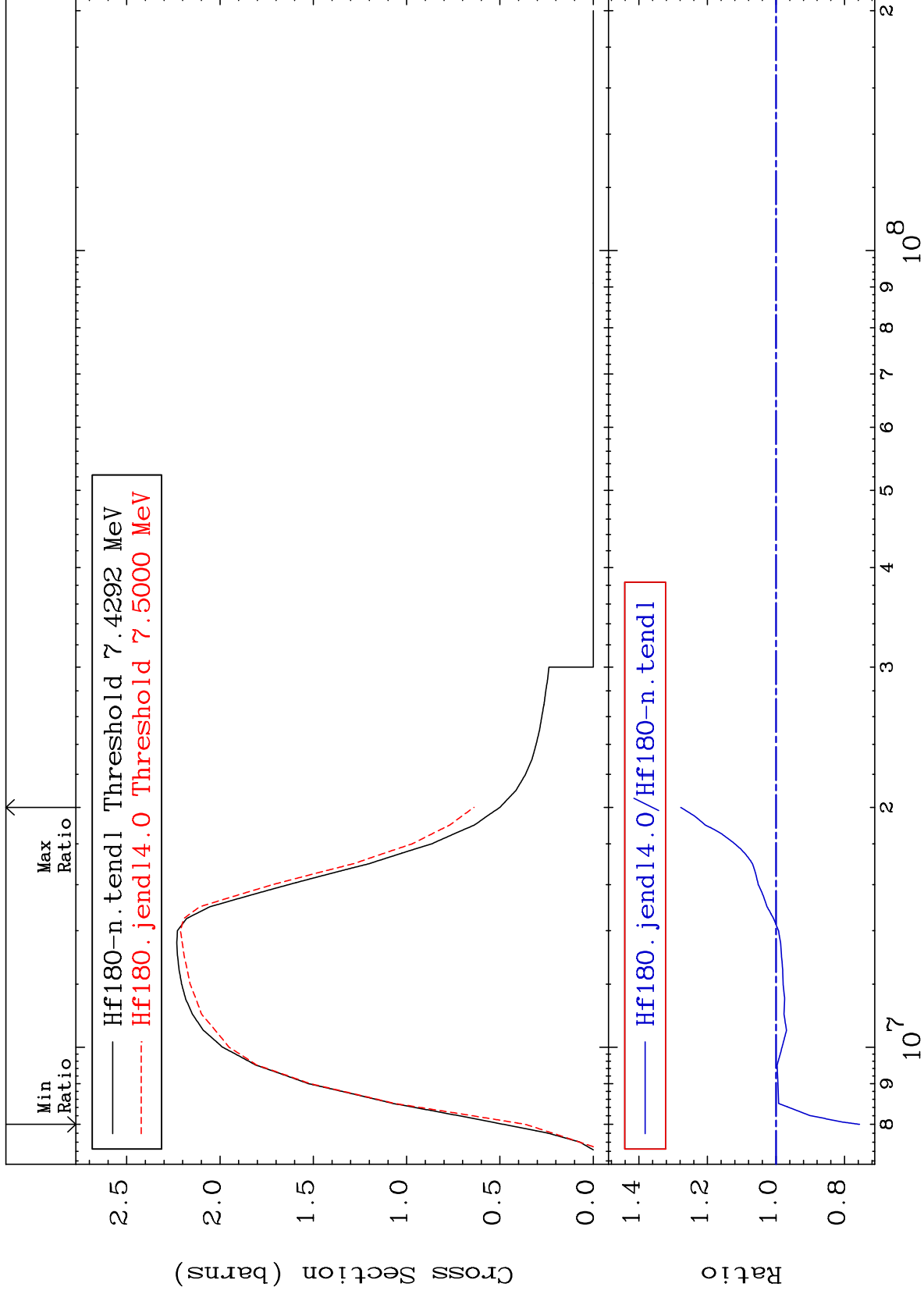
MAT 7243

(n,2n)

72-Hf-180

Cross Section

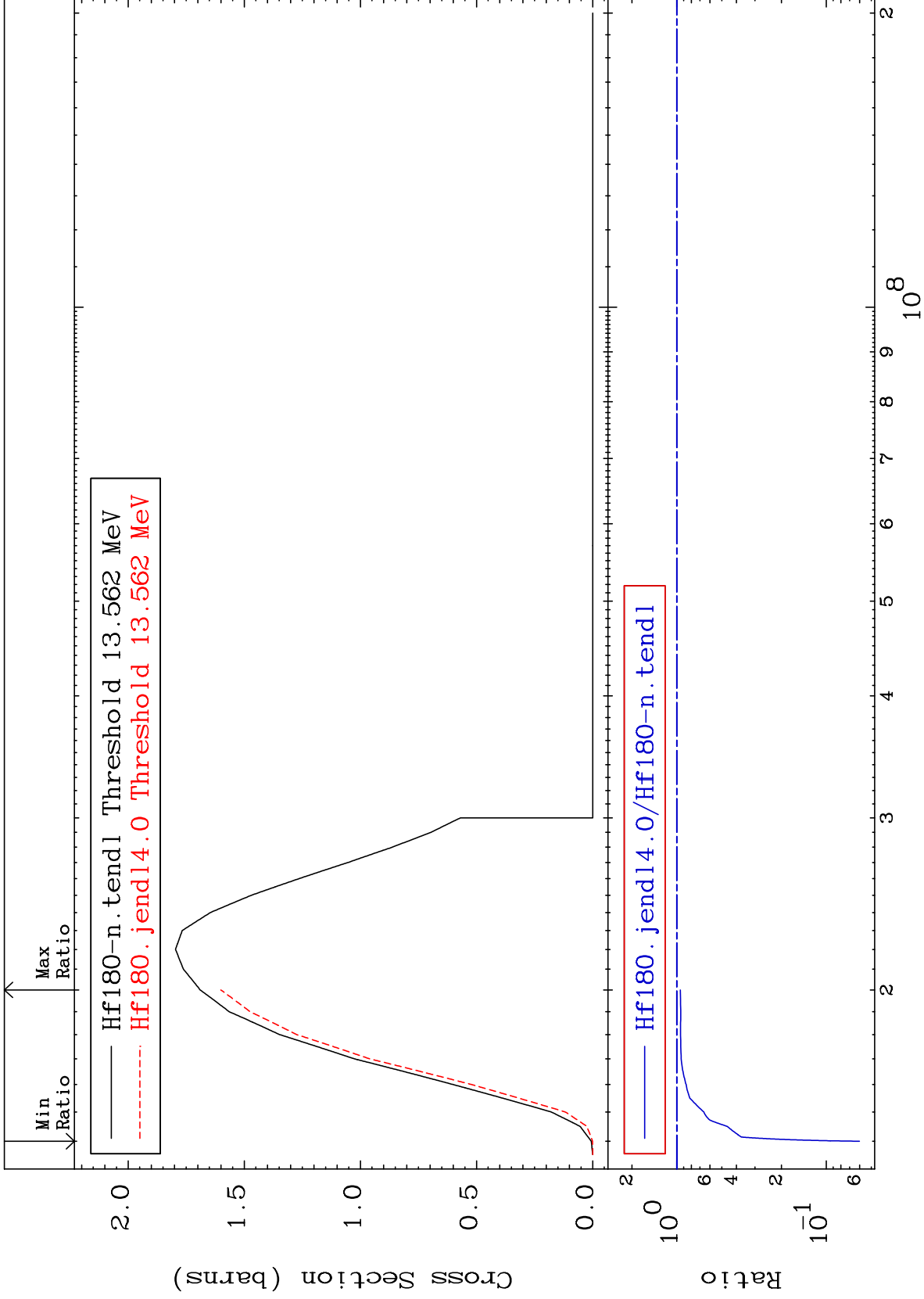
-24.37 To 27.79 %



4

Incident Energy (eV)

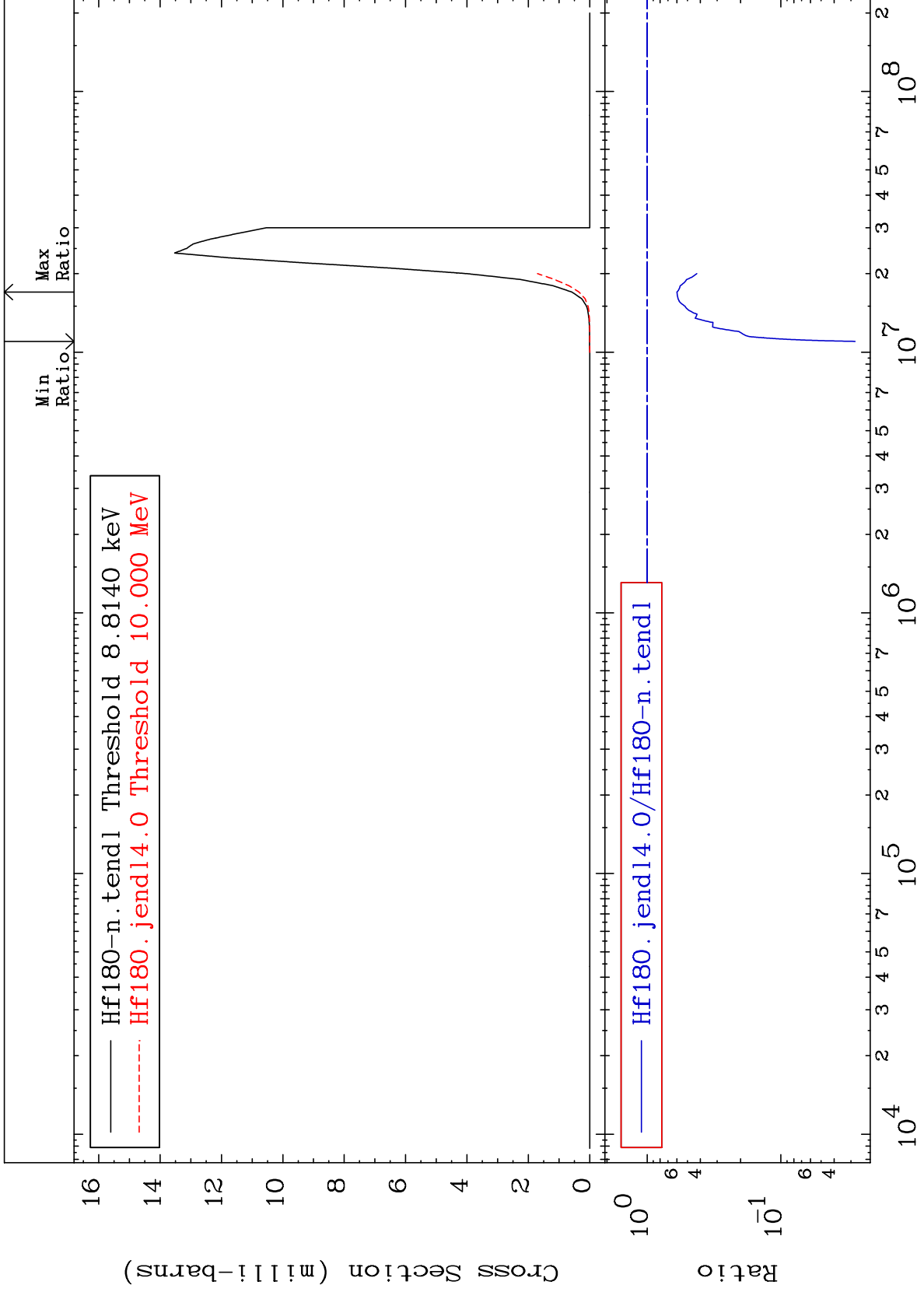
72-Hf-180



MAT 7243

$(n, n') \alpha$
Cross Section

72-Hf-180
-97.21 To -40.09%



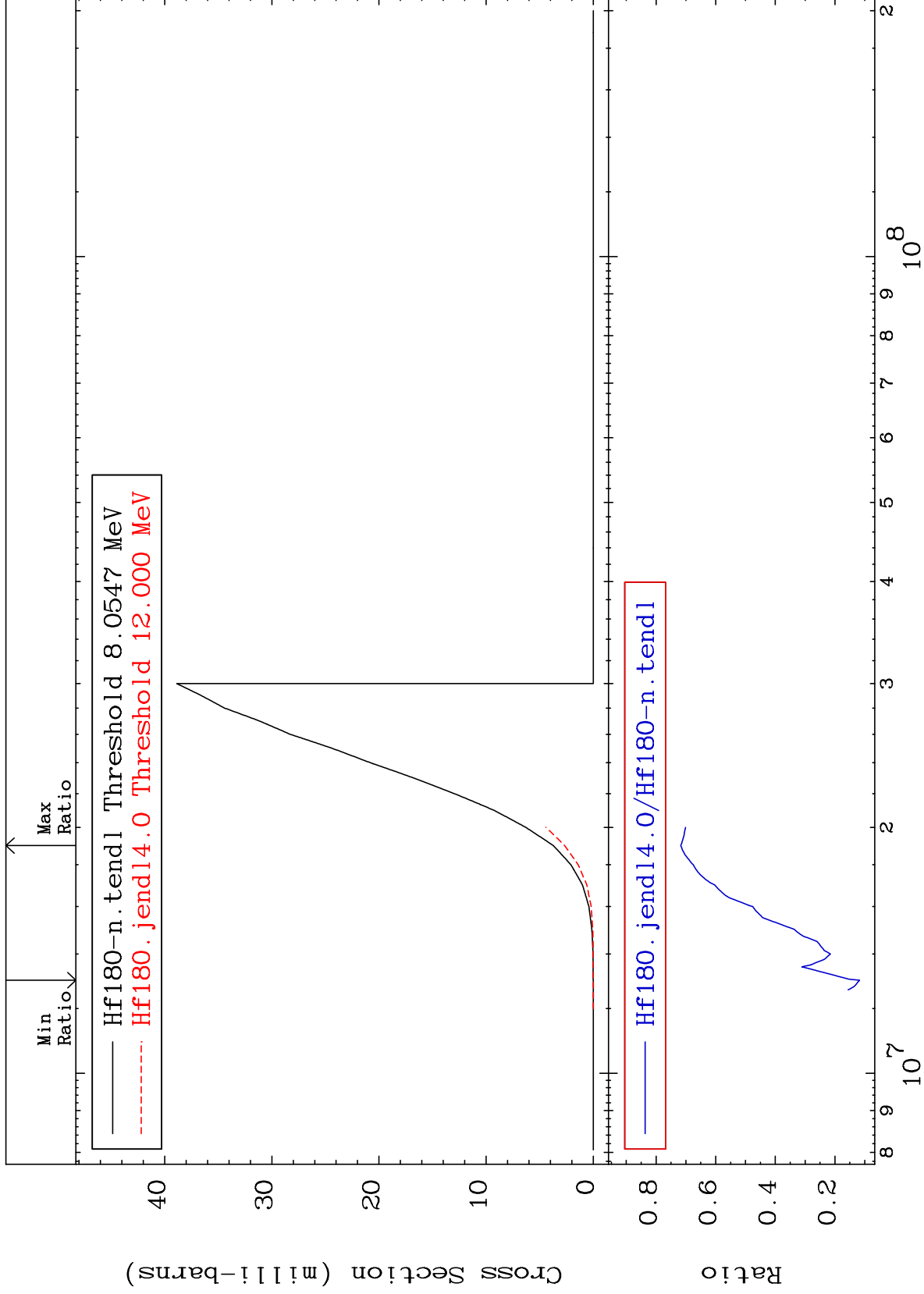
Incident Energy (eV)

72-Hf-180

MAT 7243

(n,n') p
Cross Section

72-Hf-180
-88.26 To -28.29%



7

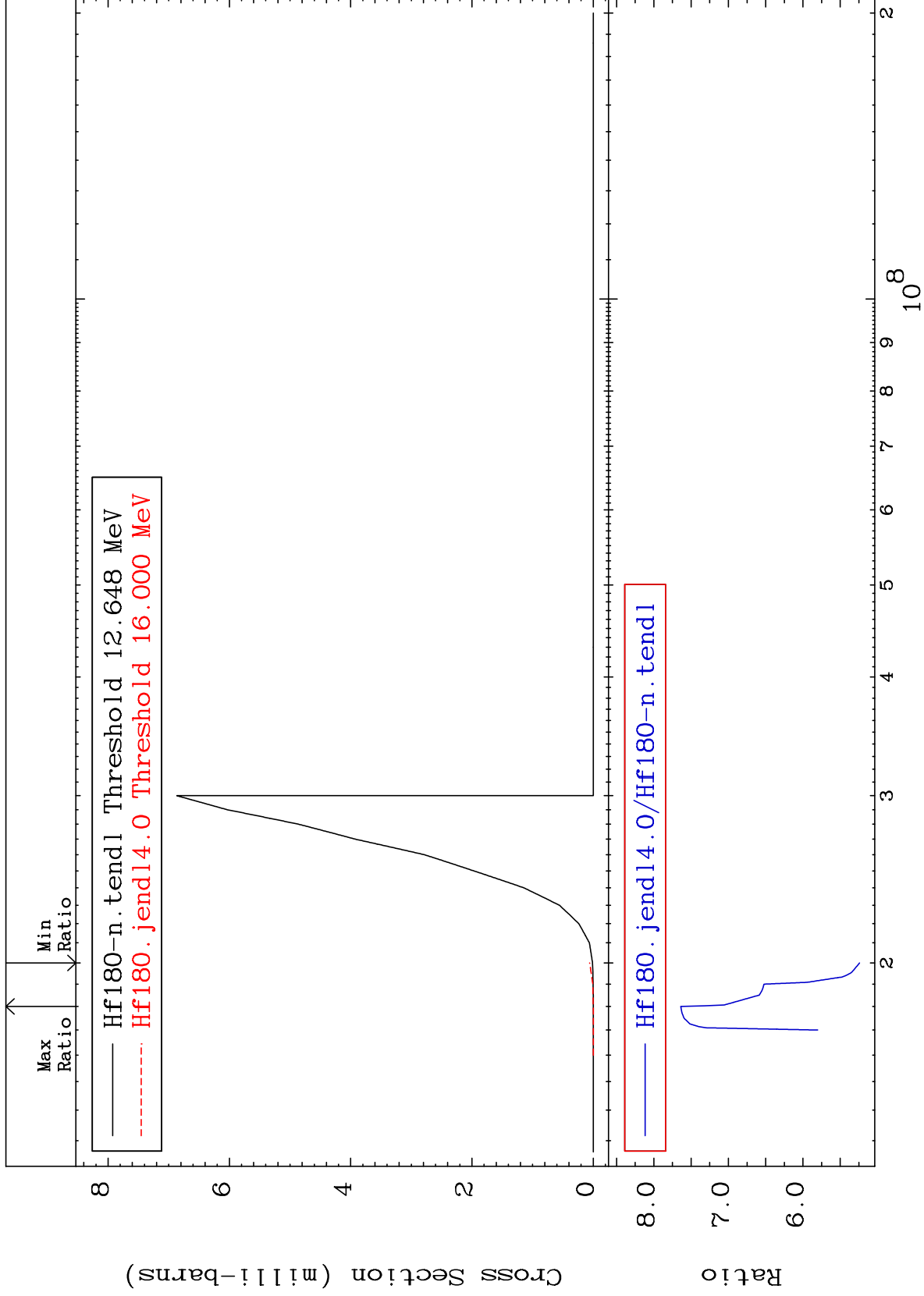
Incident Energy (eV)

72-Hf-180

MAT 7243

(n,n') d
Cross Section

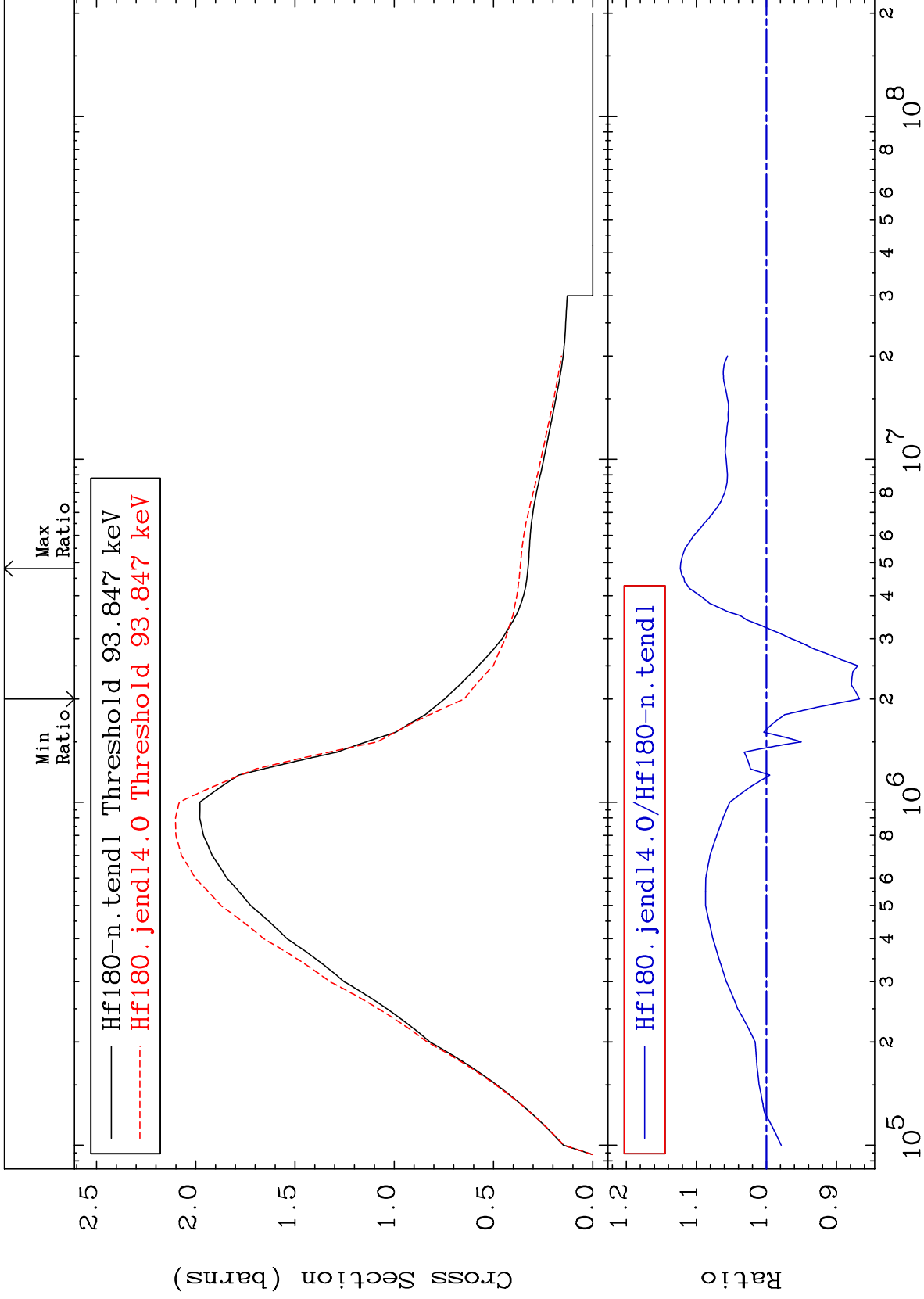
72-Hf-180
424.1 To 663.9 %



MAT 7243

93.32 keV (n,n') Level
Cross Section

72-Hf-180
-13.28 To 12.29 %



9

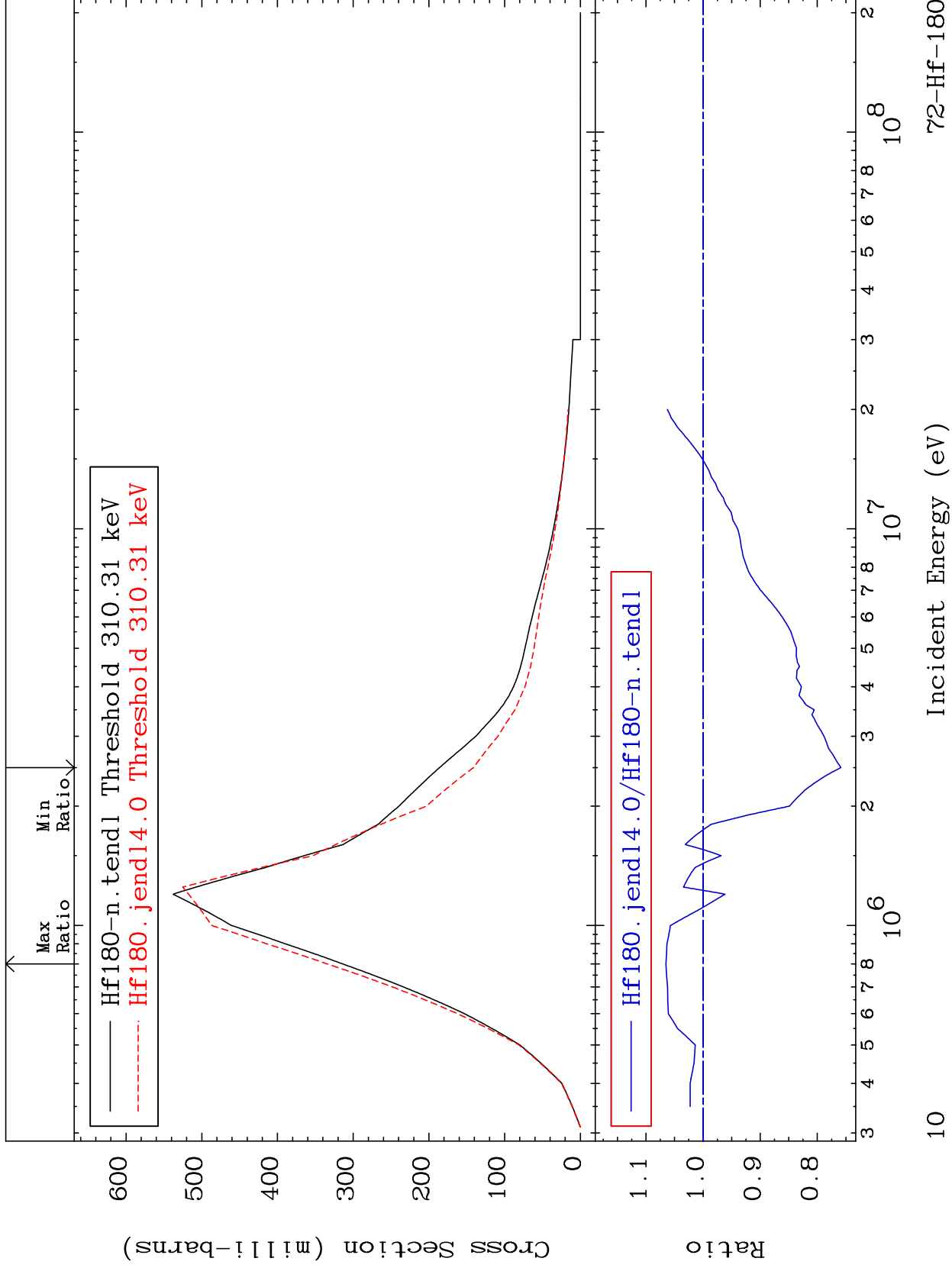
Incident Energy (eV)

72-Hf-180

MAT 7243

308.6 keV (n,n') Level
Cross Section

72-Hf-180
-24.12 To 6.504 %



10

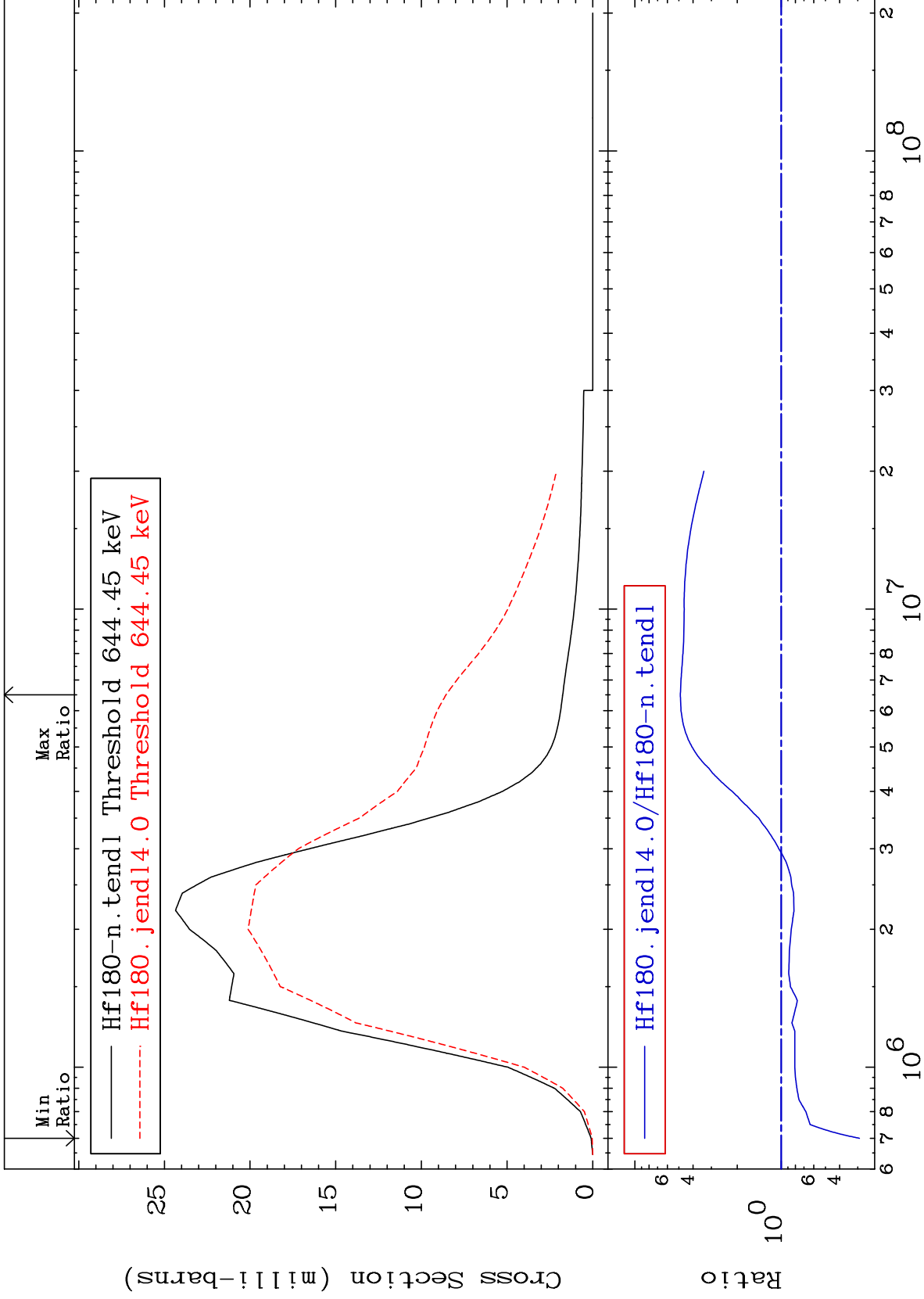
Incident Energy (eV)

72-Hf-180

MAT 7243

640.9 keV (n,n') Level
Cross Section

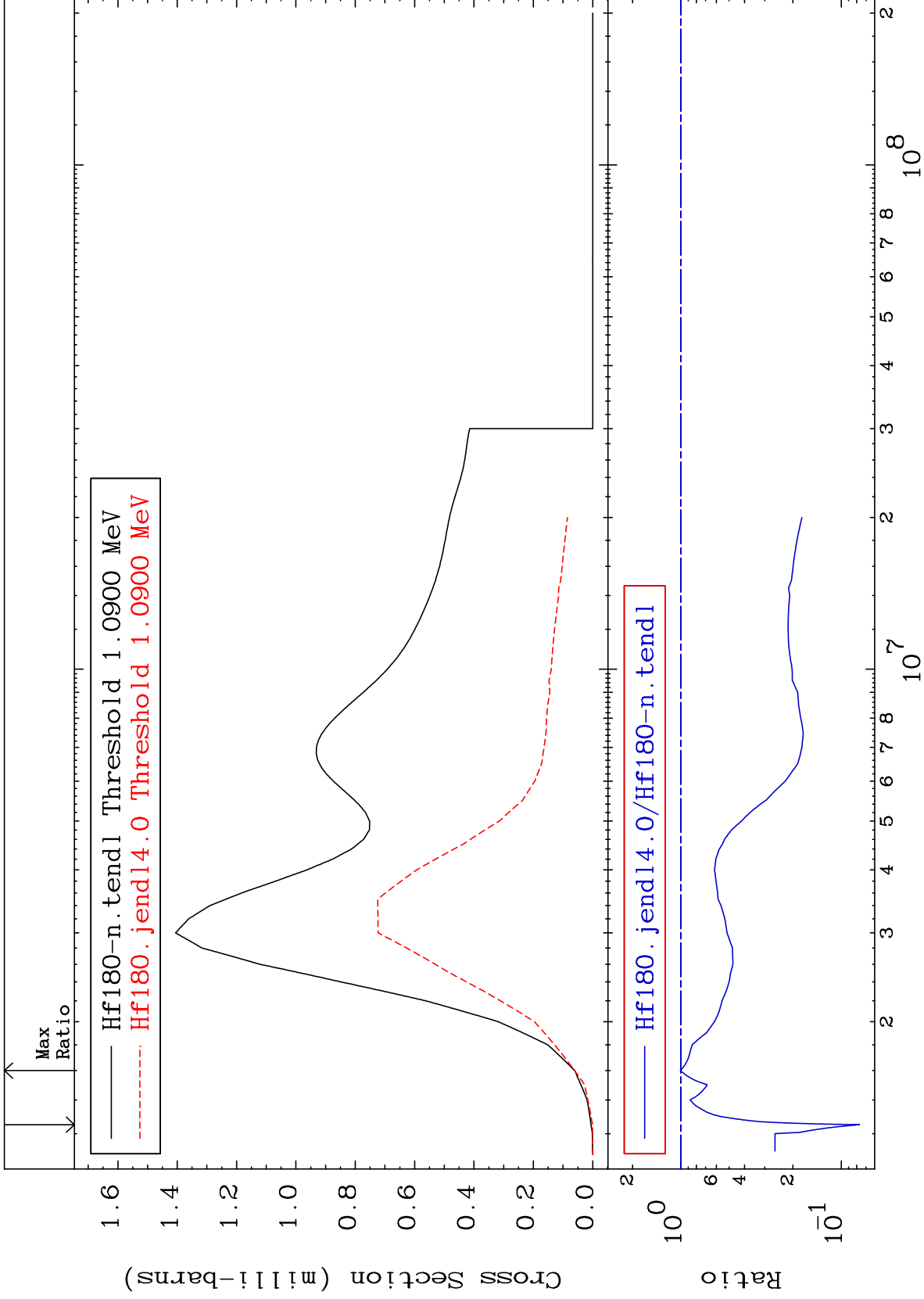
72-Hf-180
-70.73 To 388.9 %



MAT 7243

1.084 MeV (n,n') Level
Cross Section

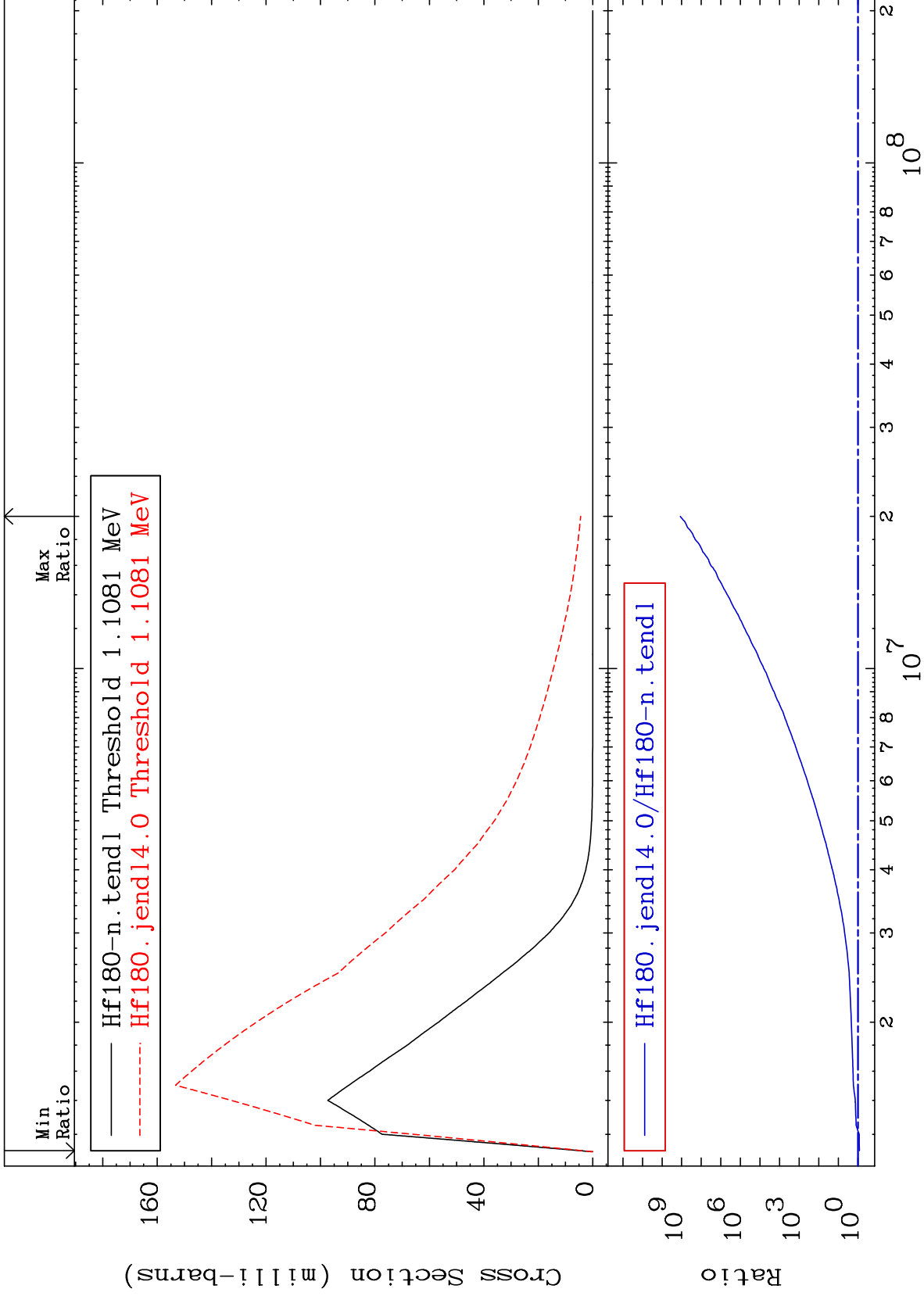
72-Hf-180
-92.30 To 0.631 %



MAT 7243

1.102 MeV (n,n') Level
Cross Section

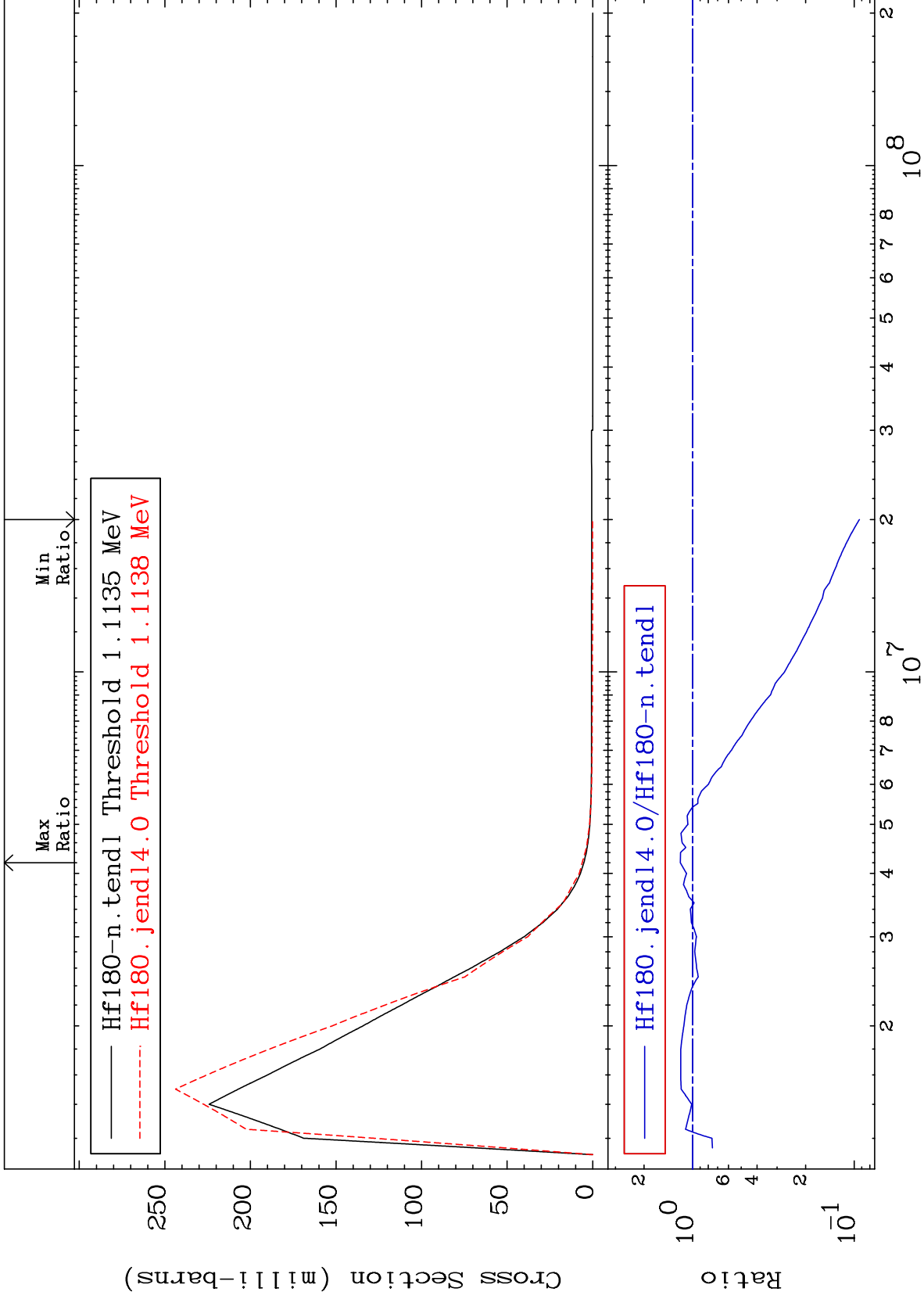
72-Hf-180
-16.03 To 9999. %



MAT 7243

1.107 MeV (n,n') Level
Cross Section

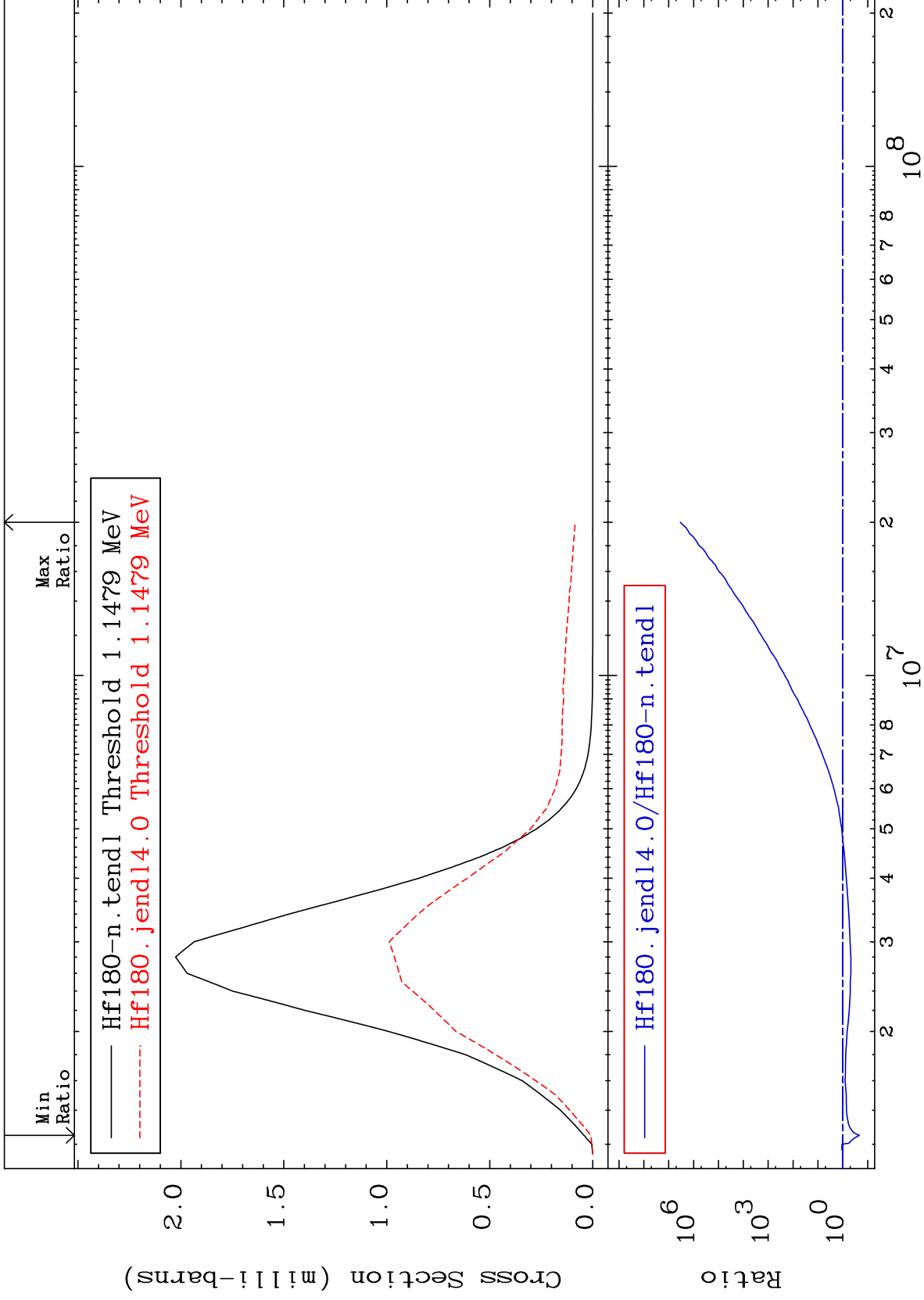
⁷²Hf-180
-90.71 To 19.14 %



MAT 7243

1.142 MeV (n,n') Level
Cross Section

72-Hf-180
-78.55 To 9999. %



15

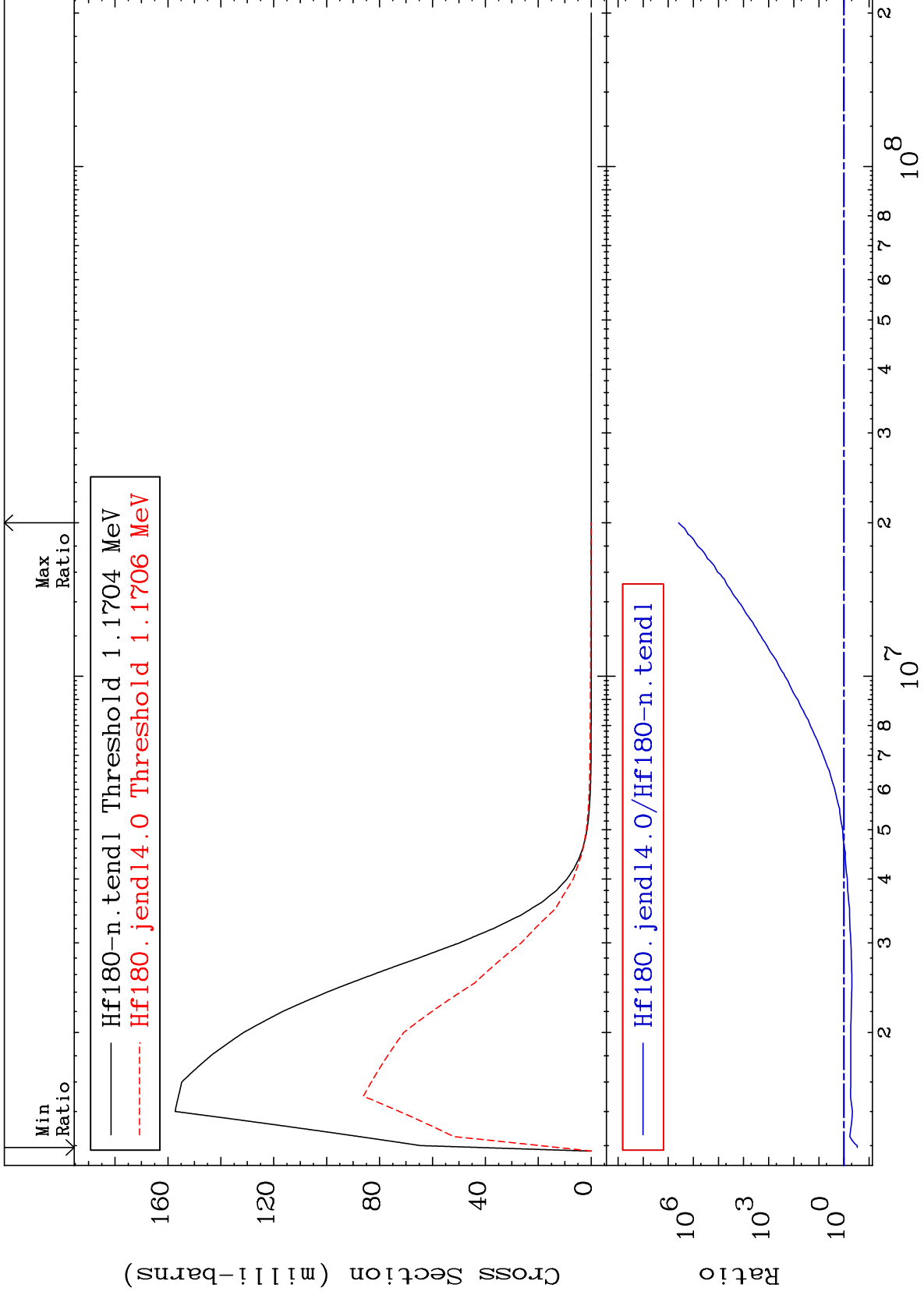
Incident Energy (eV)

72-Hf-180

MAT 7243

1.164 MeV (n,n') Level
Cross Section

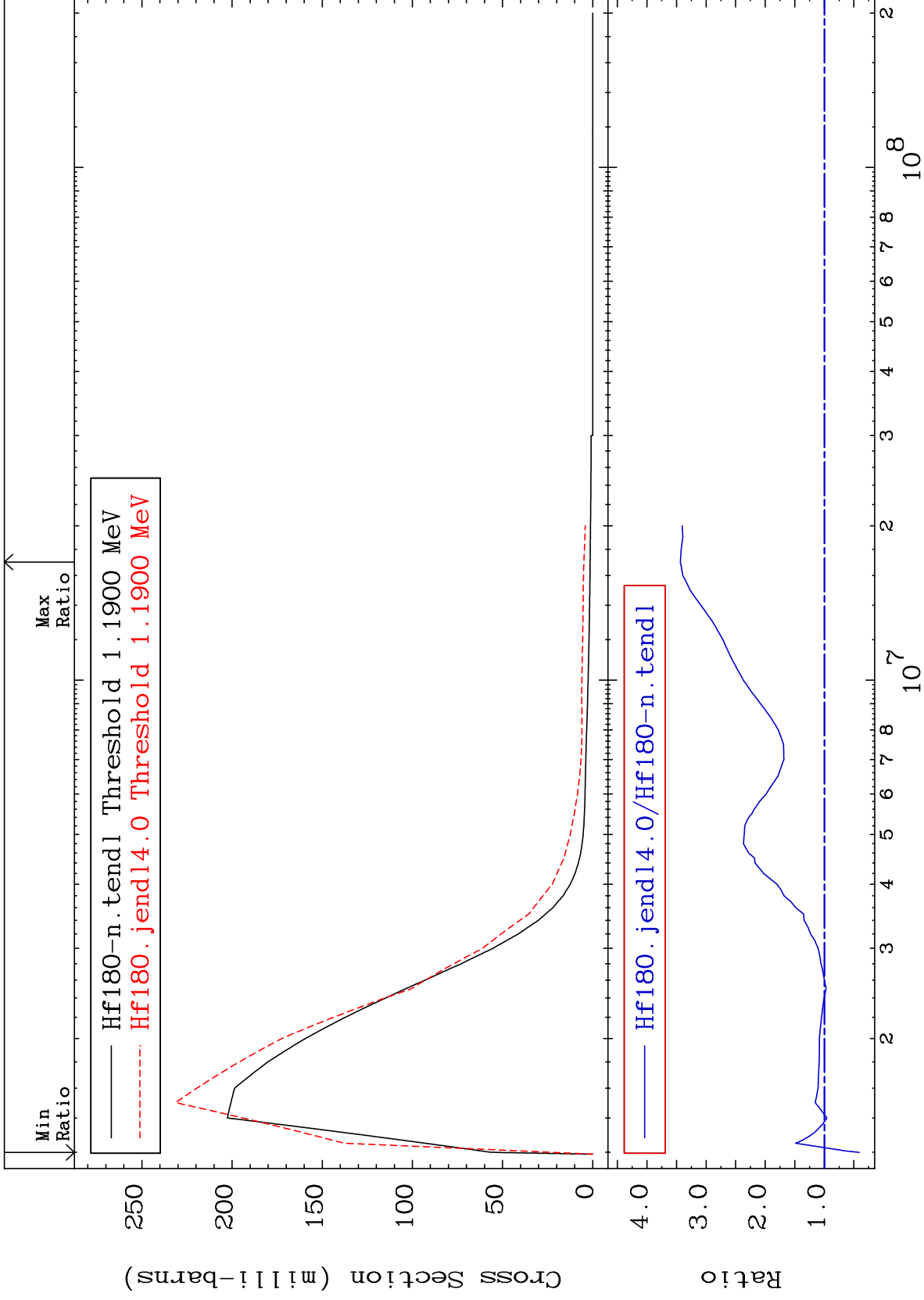
⁷²Hf-180
-70.27 To 9999. %



MAT 7243

1.183 MeV (n,n') Level
Cross Section

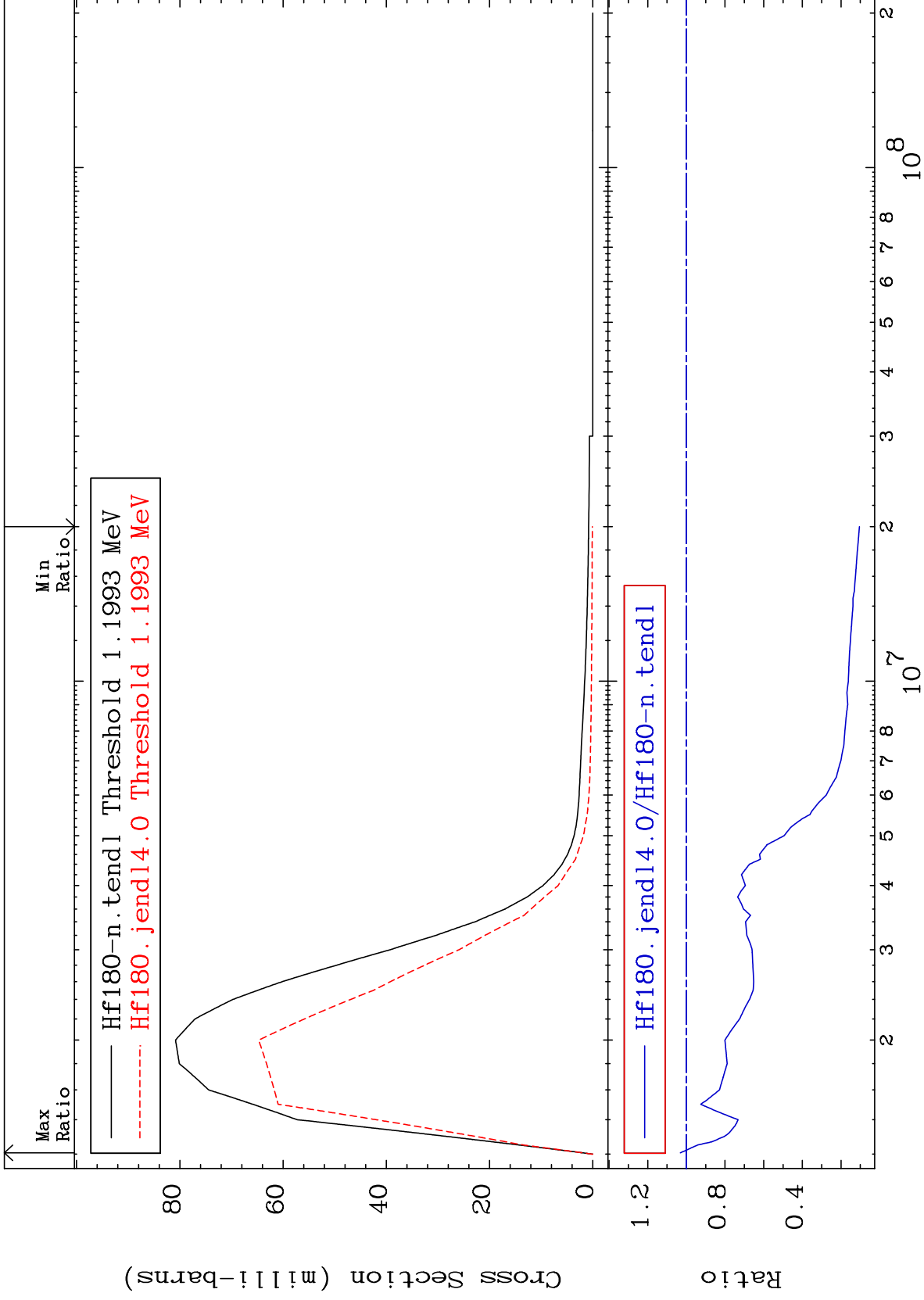
72-Hf-180
-59.35 To 243.5 %



MAT 7243

1.193 MeV (n,n') Level
Cross Section

⁷²Hf-180
-89.54 To 3.117 %



18

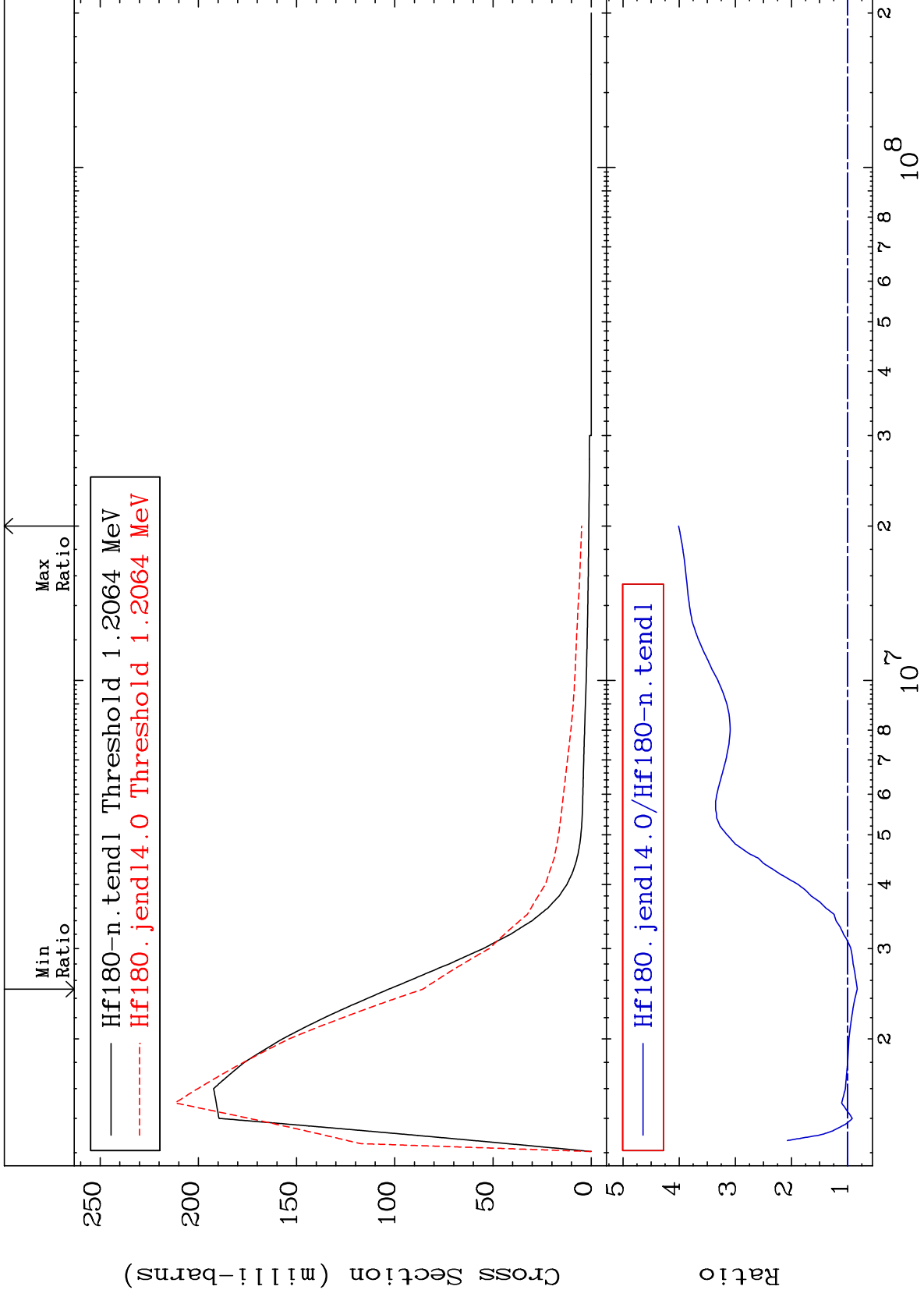
Incident Energy (eV)

⁷²Hf-180

MAT 7243

1.200 MeV (n,n') Level
Cross Section

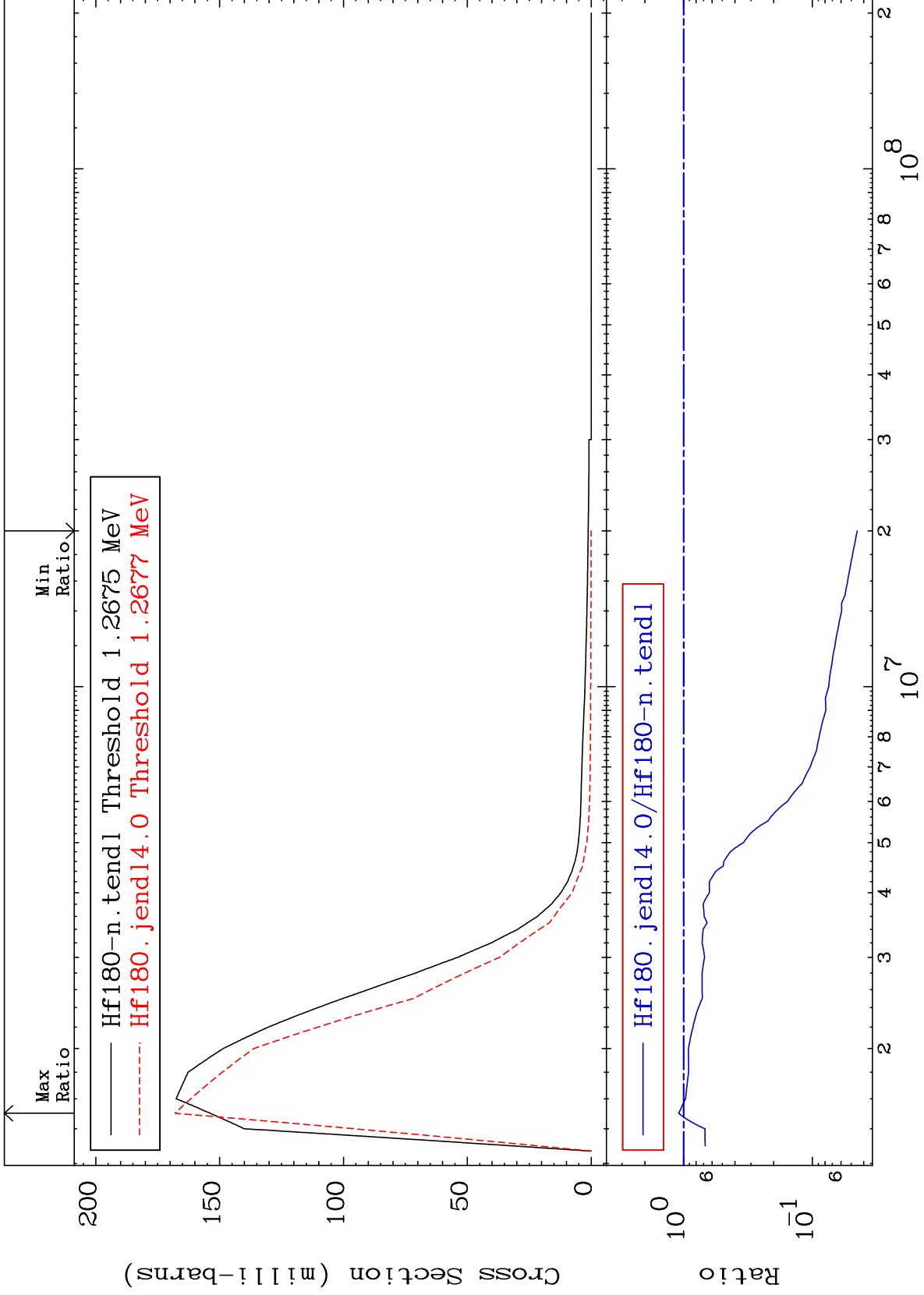
⁷²Hf-180
-16.86 To 300.9 %



MAT 7243

1.260 MeV (n,n') Level
Cross Section

72-Hf-180
-95.51 To 9.244 %



20

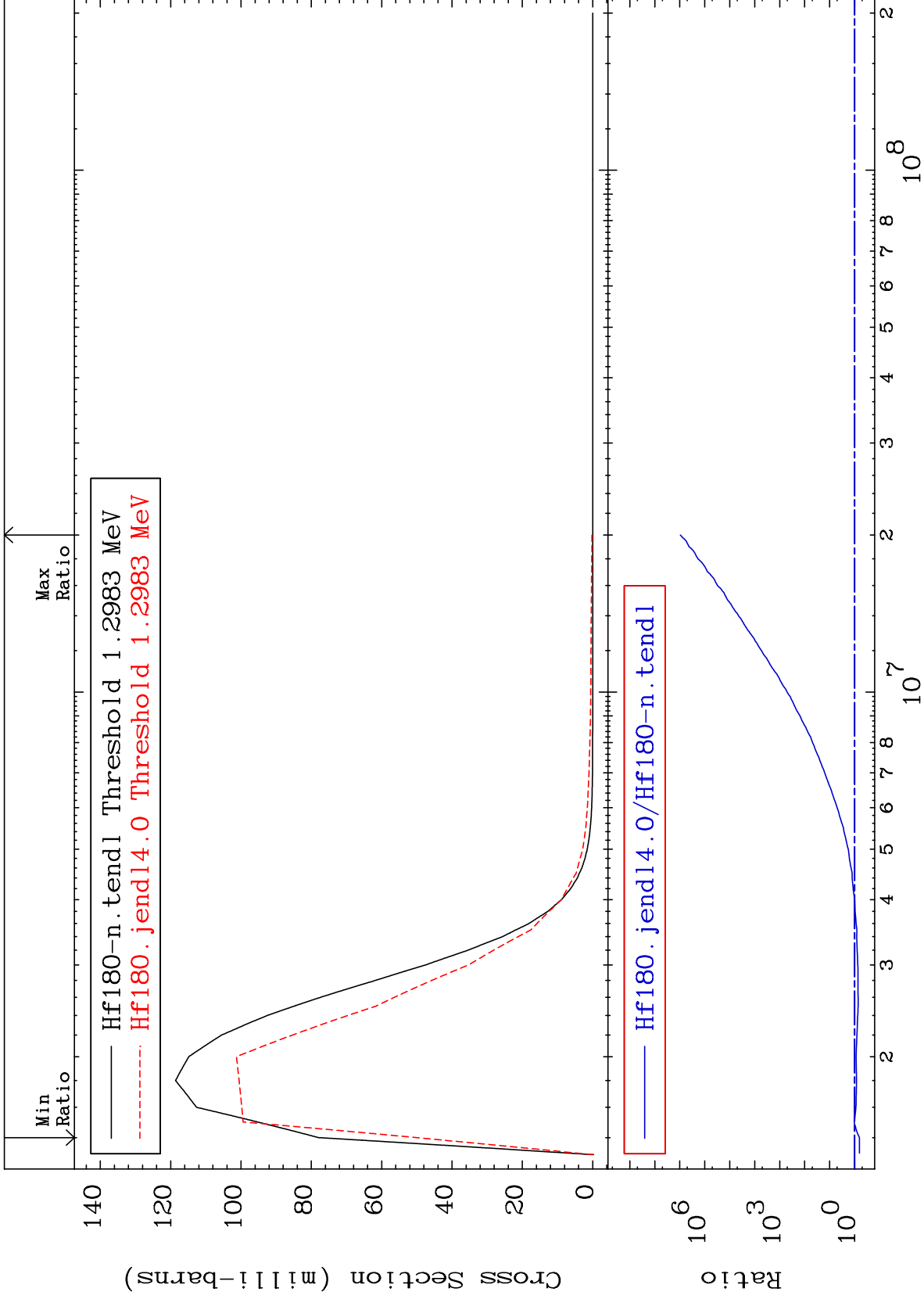
72-Hf-180

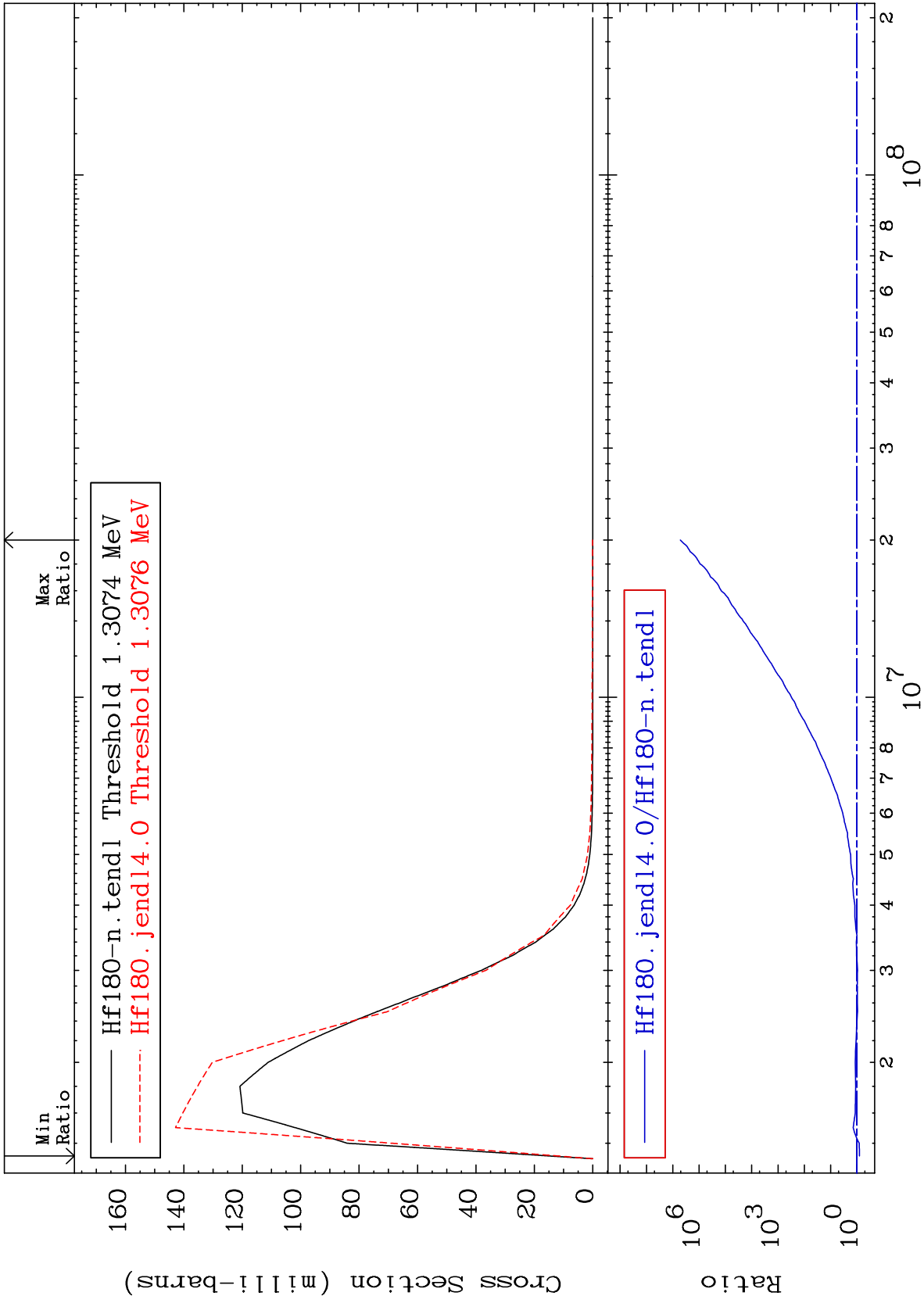
72-Hf-180

MAT 7243

1.291 MeV (n,n') Level
Cross Section

72-Hf-180
-35.69 To 9999. %

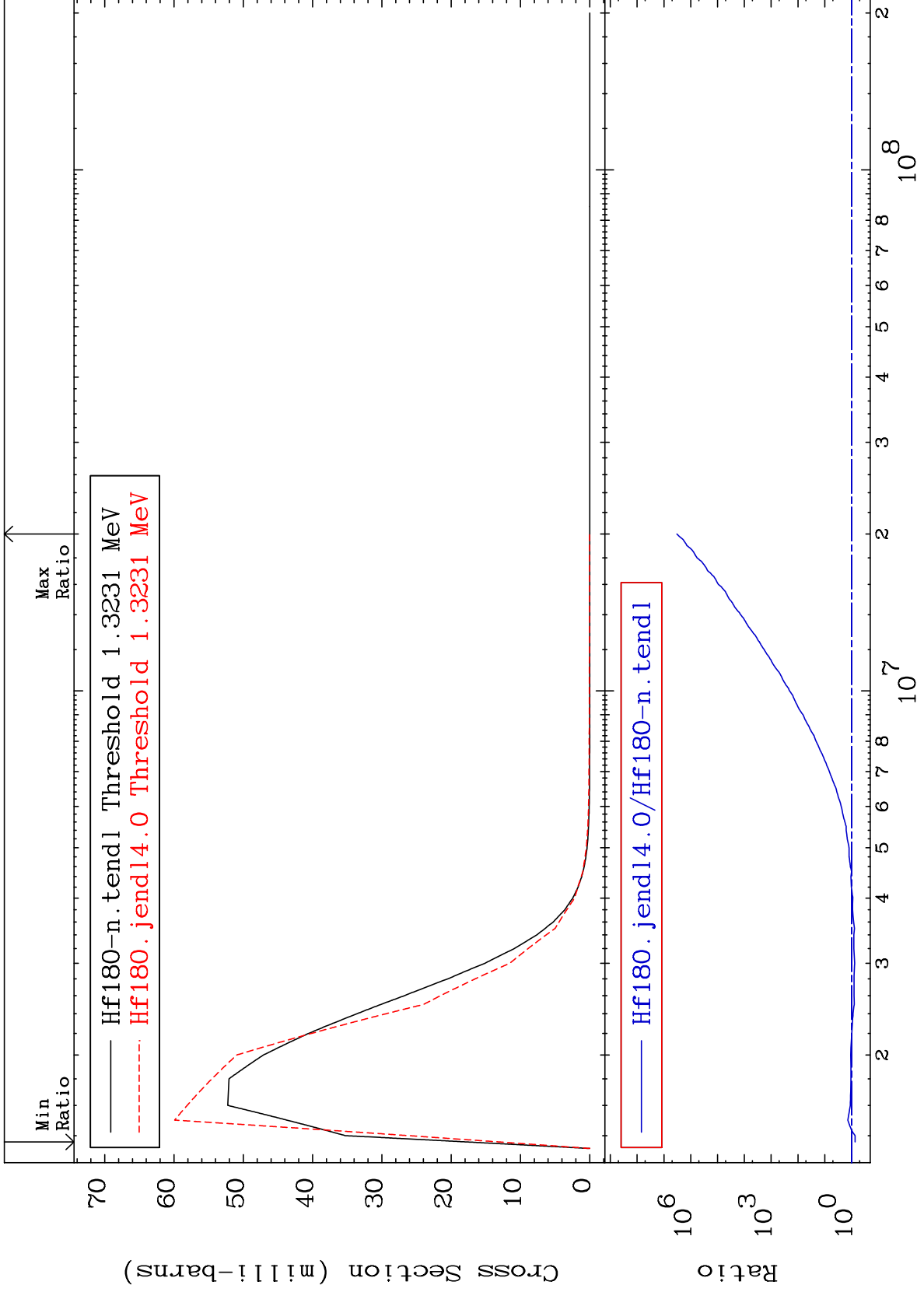




MAT 7243

1.316 MeV (n,n') Level
Cross Section

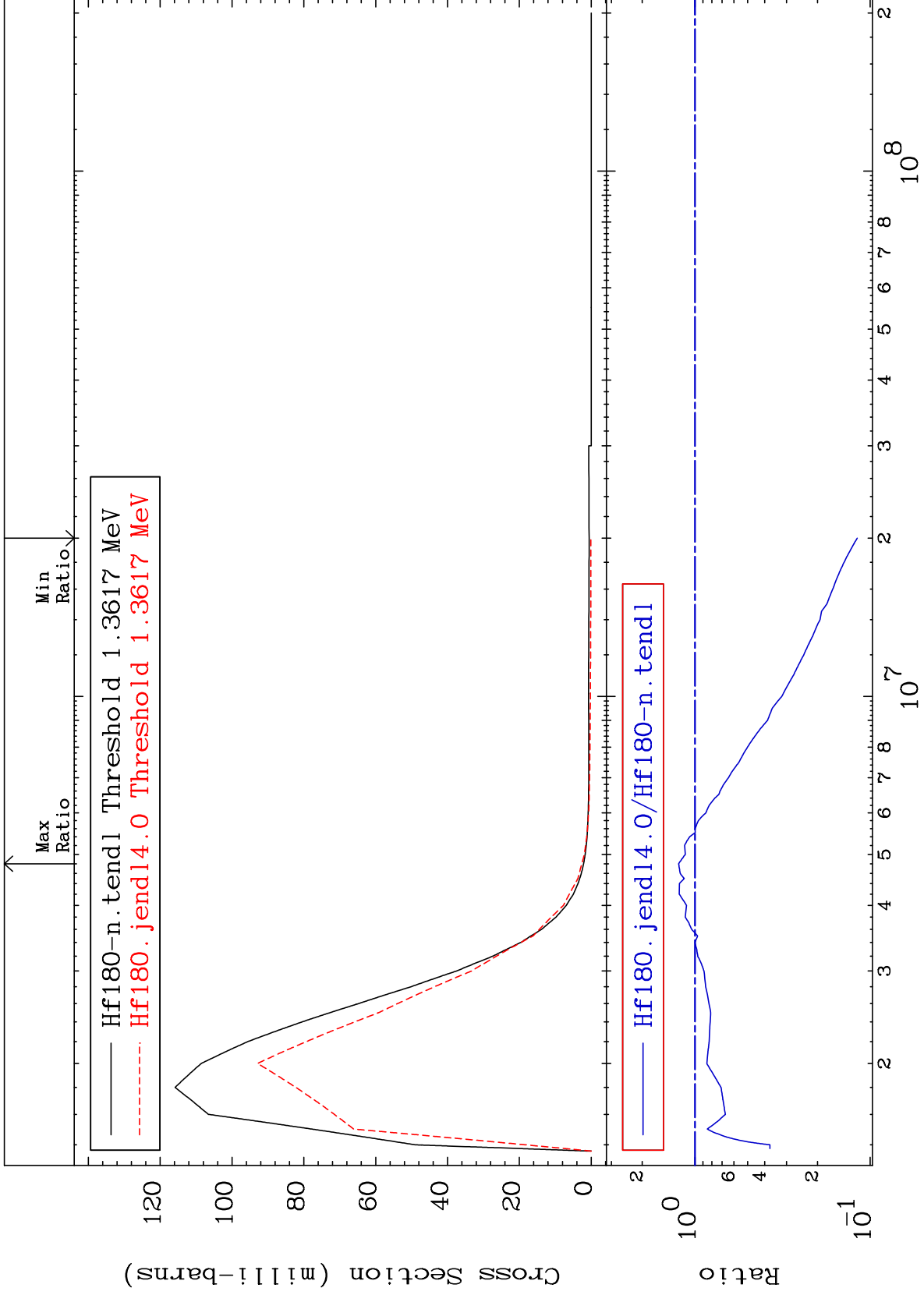
72-Hf-180
-26.20 To 9999. %



MAT 7243

1.354 MeV (n,n') Level
Cross Section

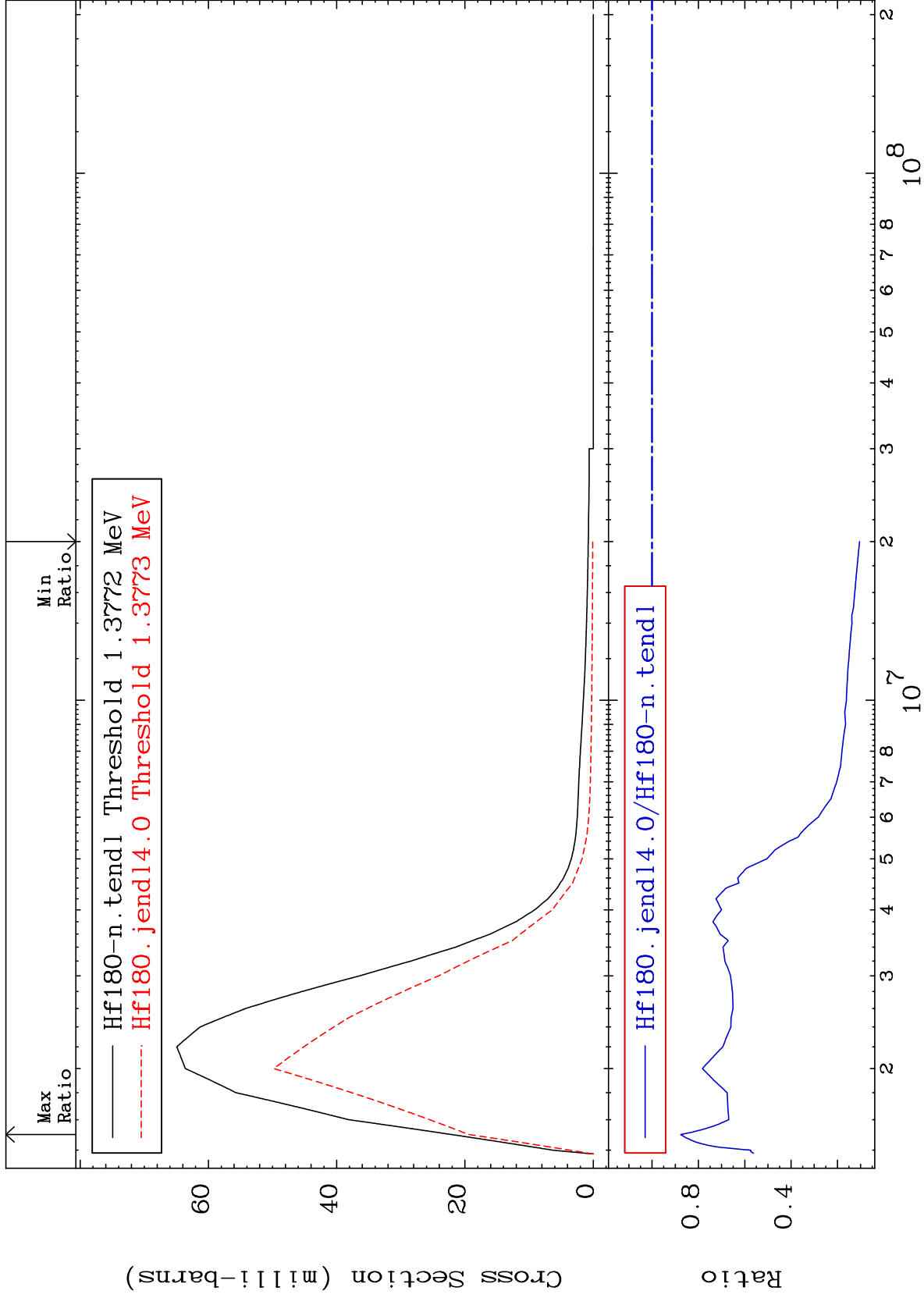
⁷²Hf-180
-88.15 To 23.88 %



MAT 7243

1.369 MeV (n,n') Level
Cross Section

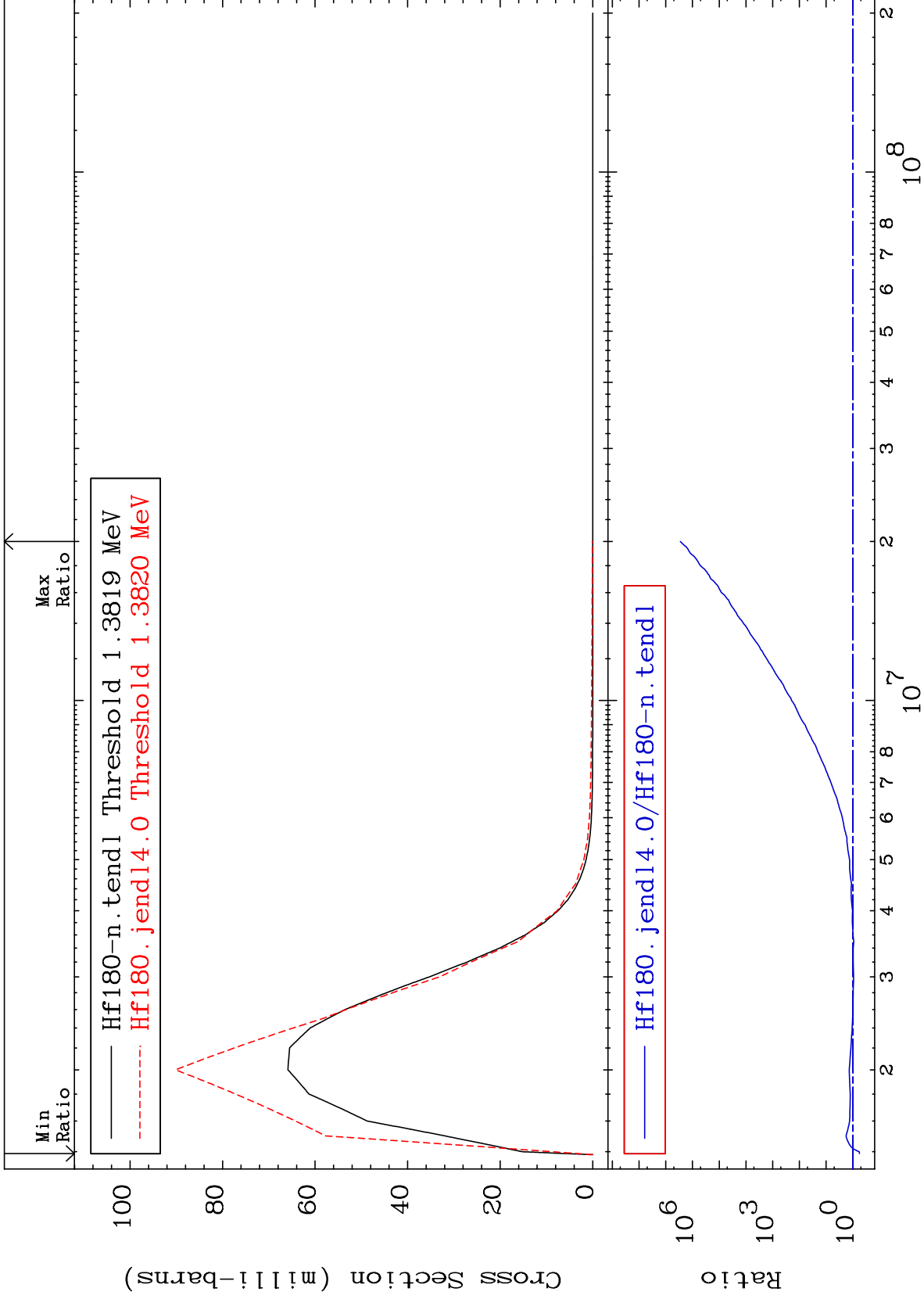
⁷²Hf-180
-89.54 To -12.39%

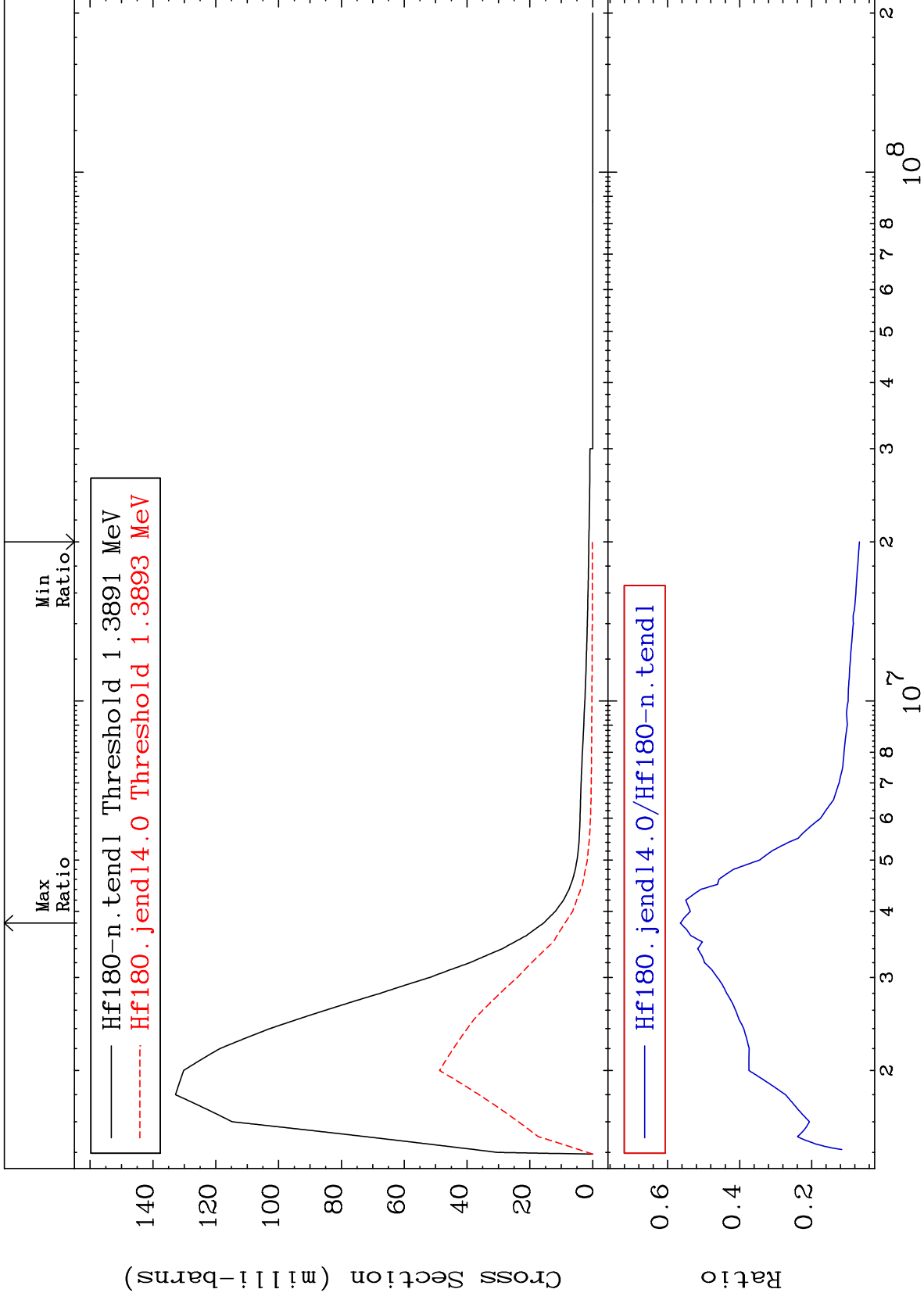


MAT 7243

1.374 MeV (n,n') Level
Cross Section

72-Hf-180
-43.21 To 9999. %

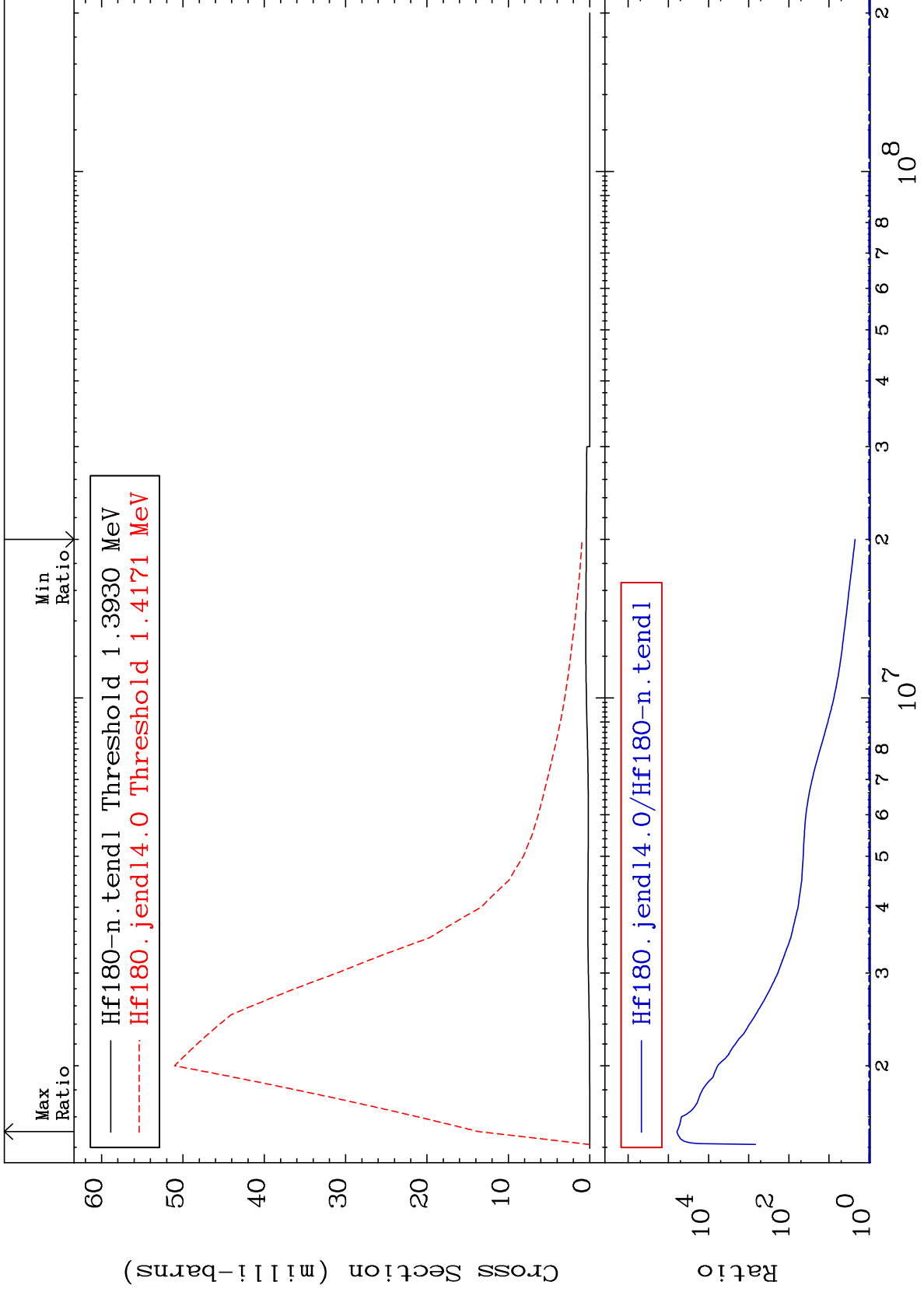




MAT 7243

1.385 MeV (n,n') Level
Cross Section

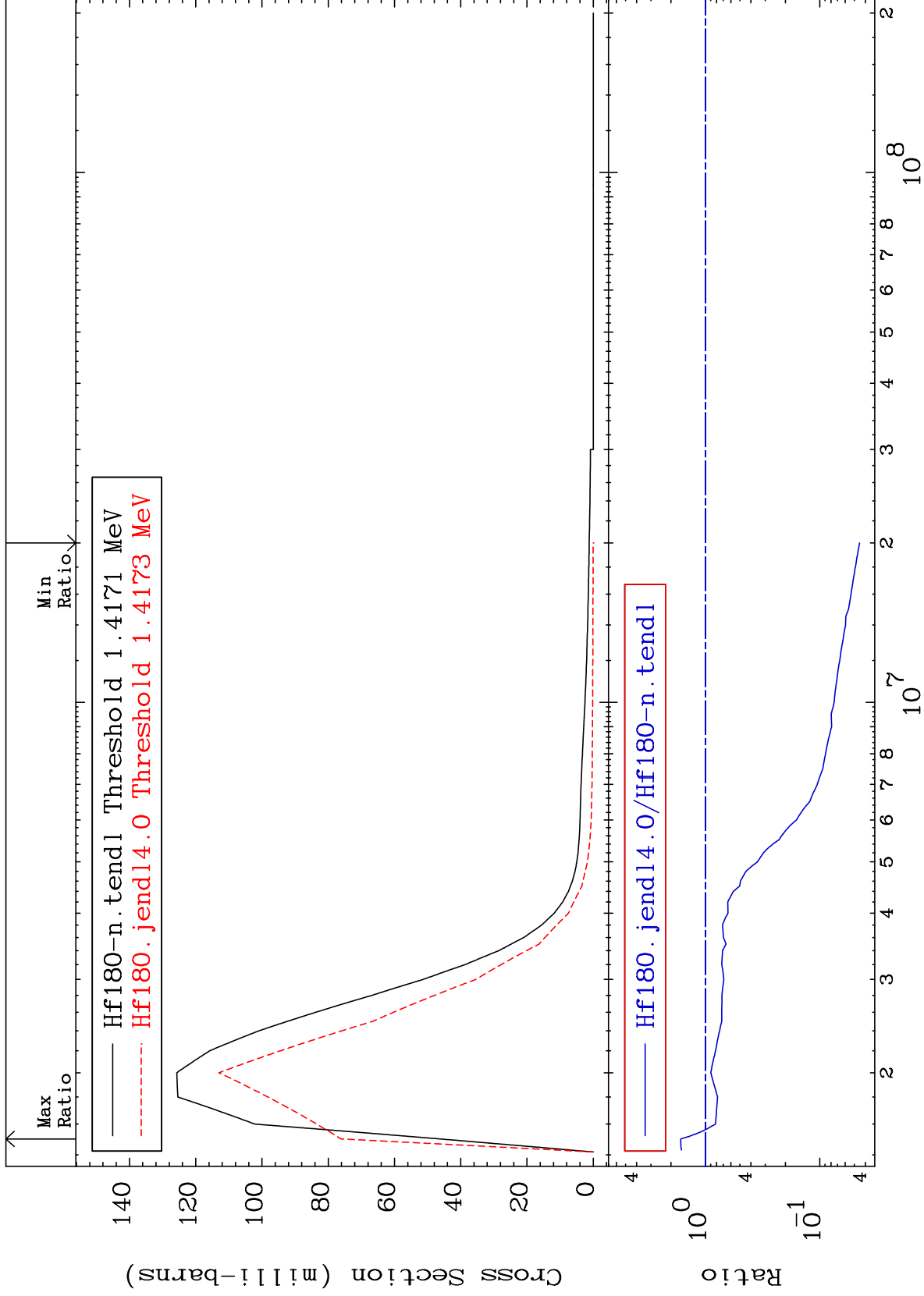
72-Hf-180
124.1 To 9999. %



MAT 7243

1.409 MeV (n,n') Level
Cross Section

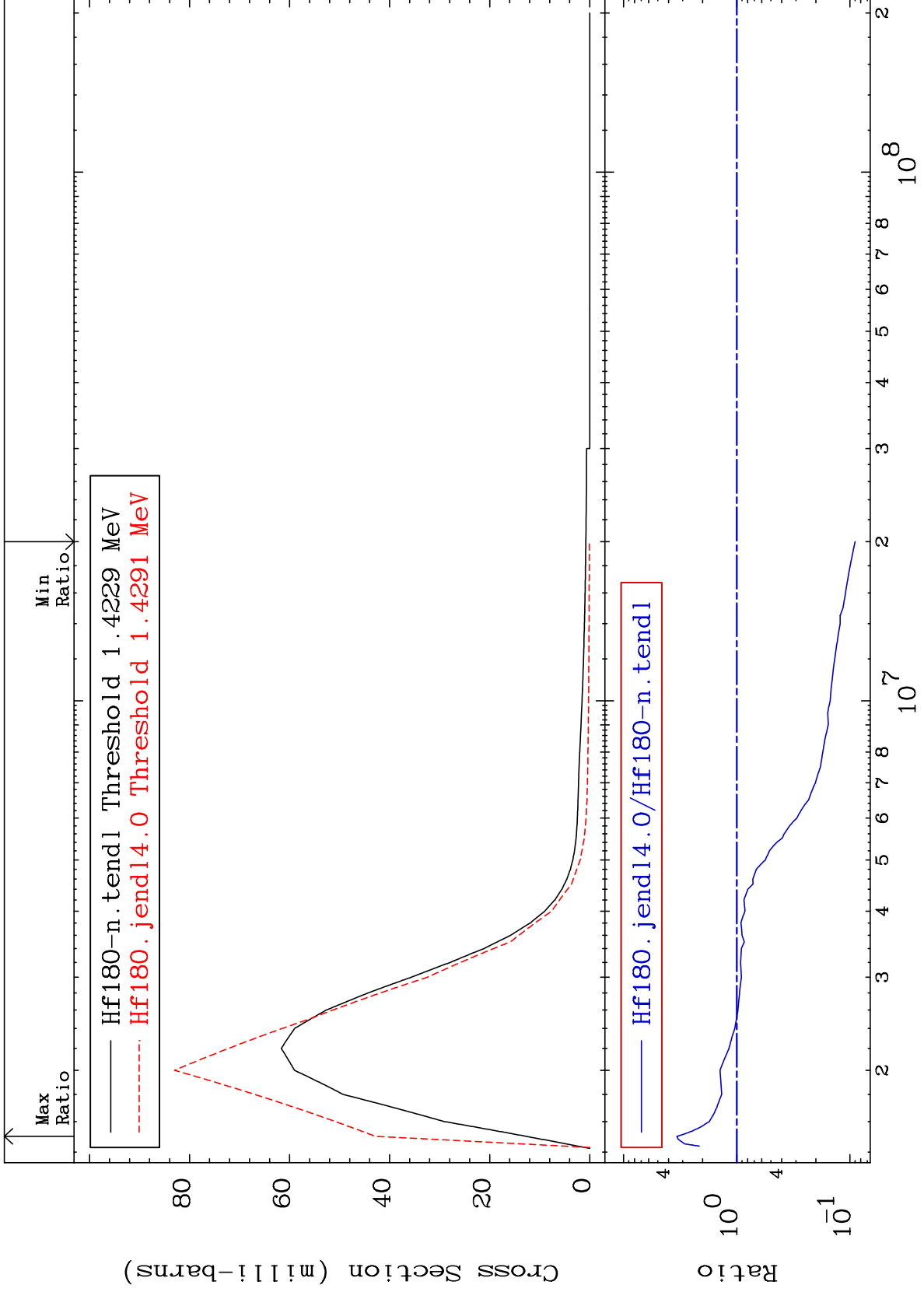
⁷²Hf-180
-95.50 To 64.31 %



MAT 7243

1.415 MeV (n,n') Level
Cross Section

72-Hf-180
-91.02 To 238.0 %



30

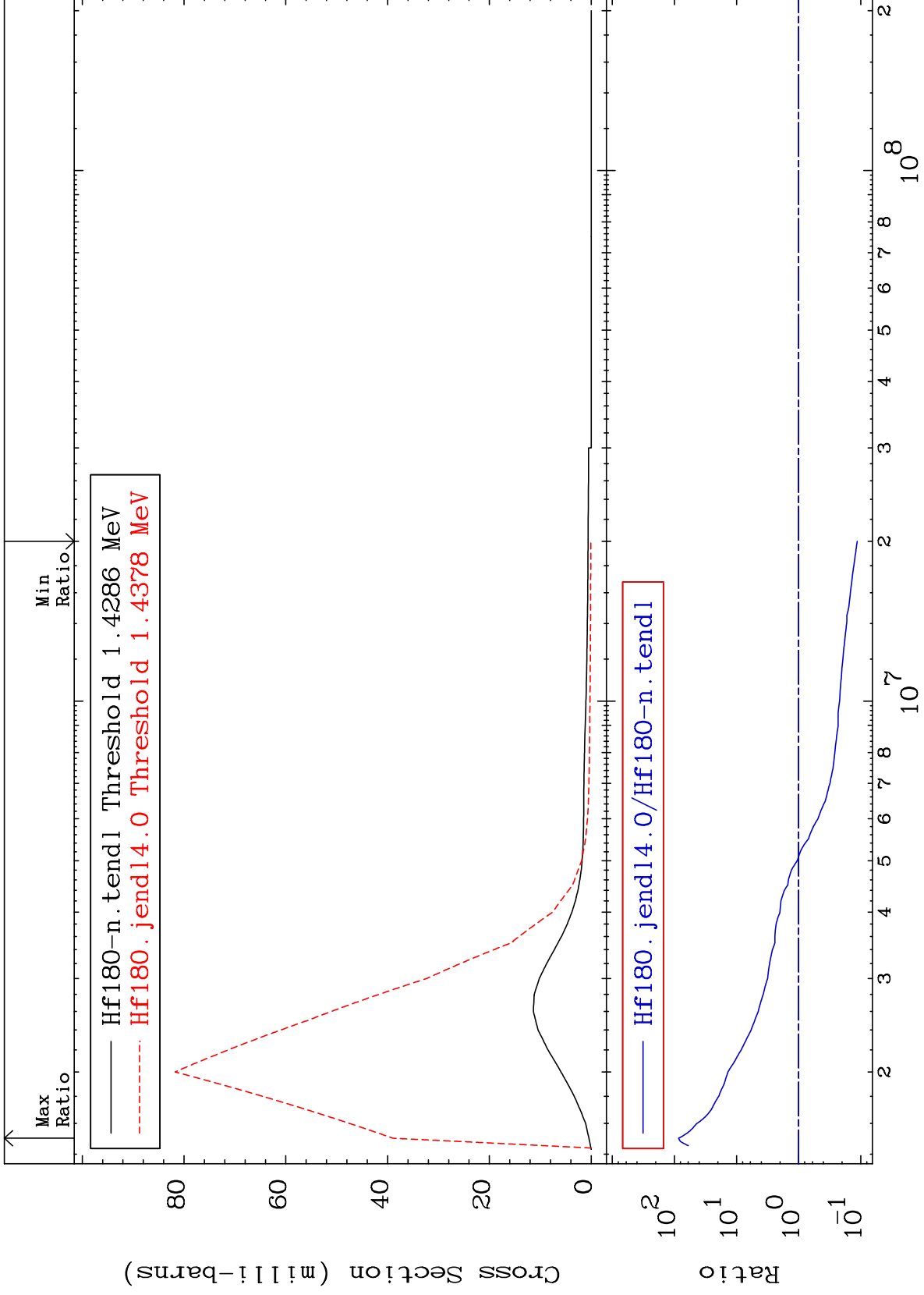
Incident Energy (eV)

72-Hf-180

MAT 7243

1.421 MeV (n,n') Level
Cross Section

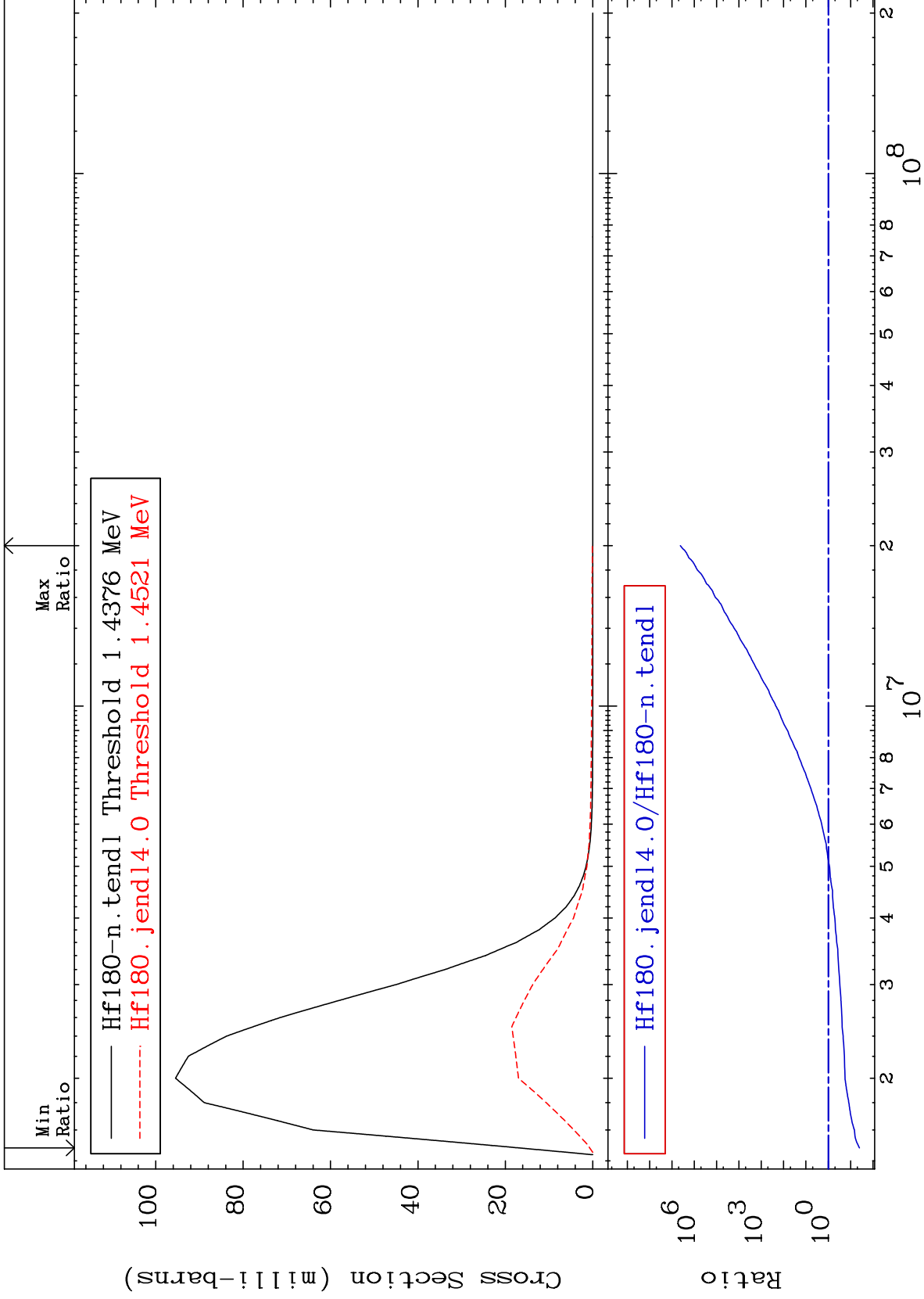
72-Hf-180
-88.58 To 8462. %

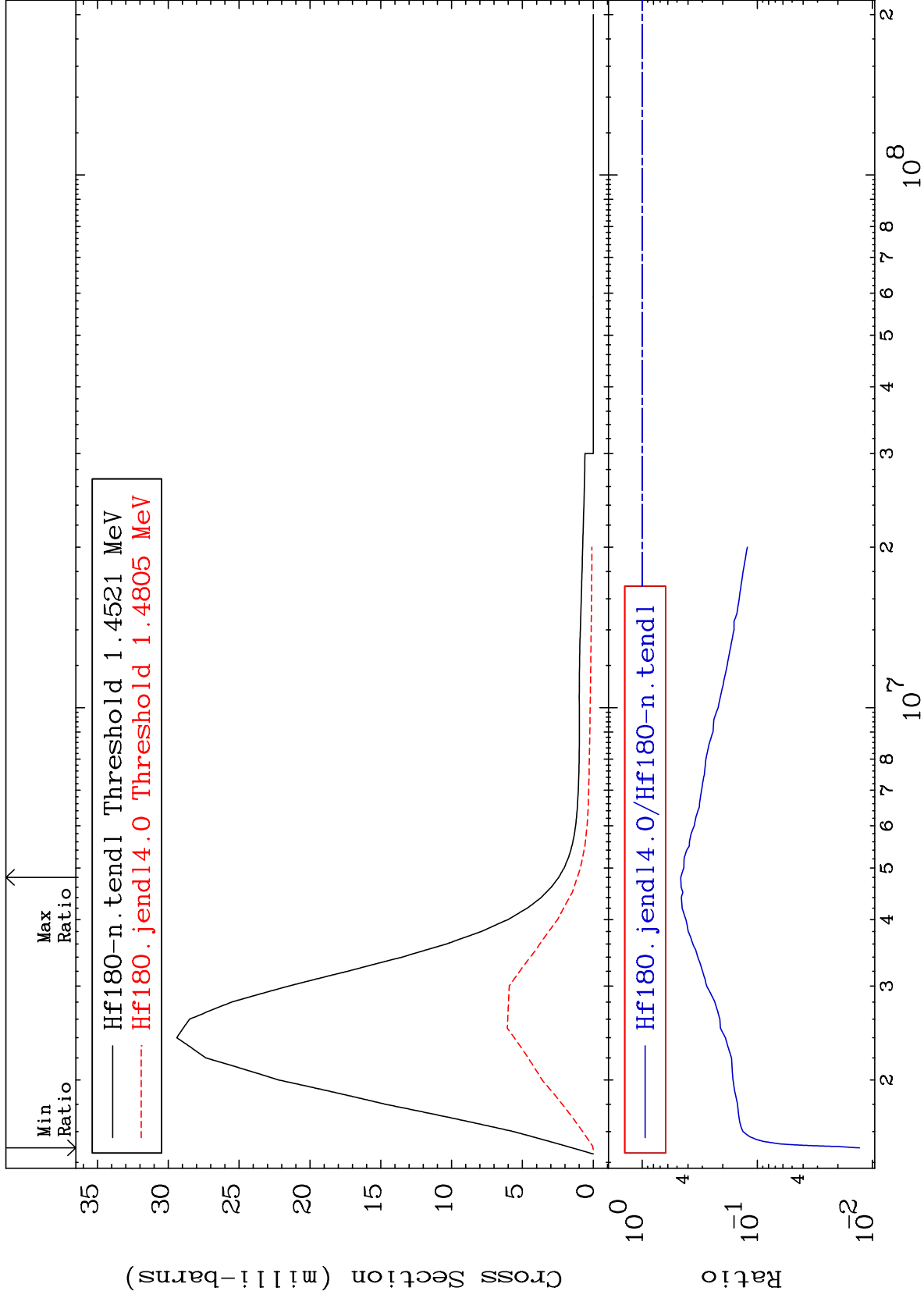


MAT 7243

1.430 MeV (n,n') Level
Cross Section

72-Hf-180
-95.98 To 9999. %

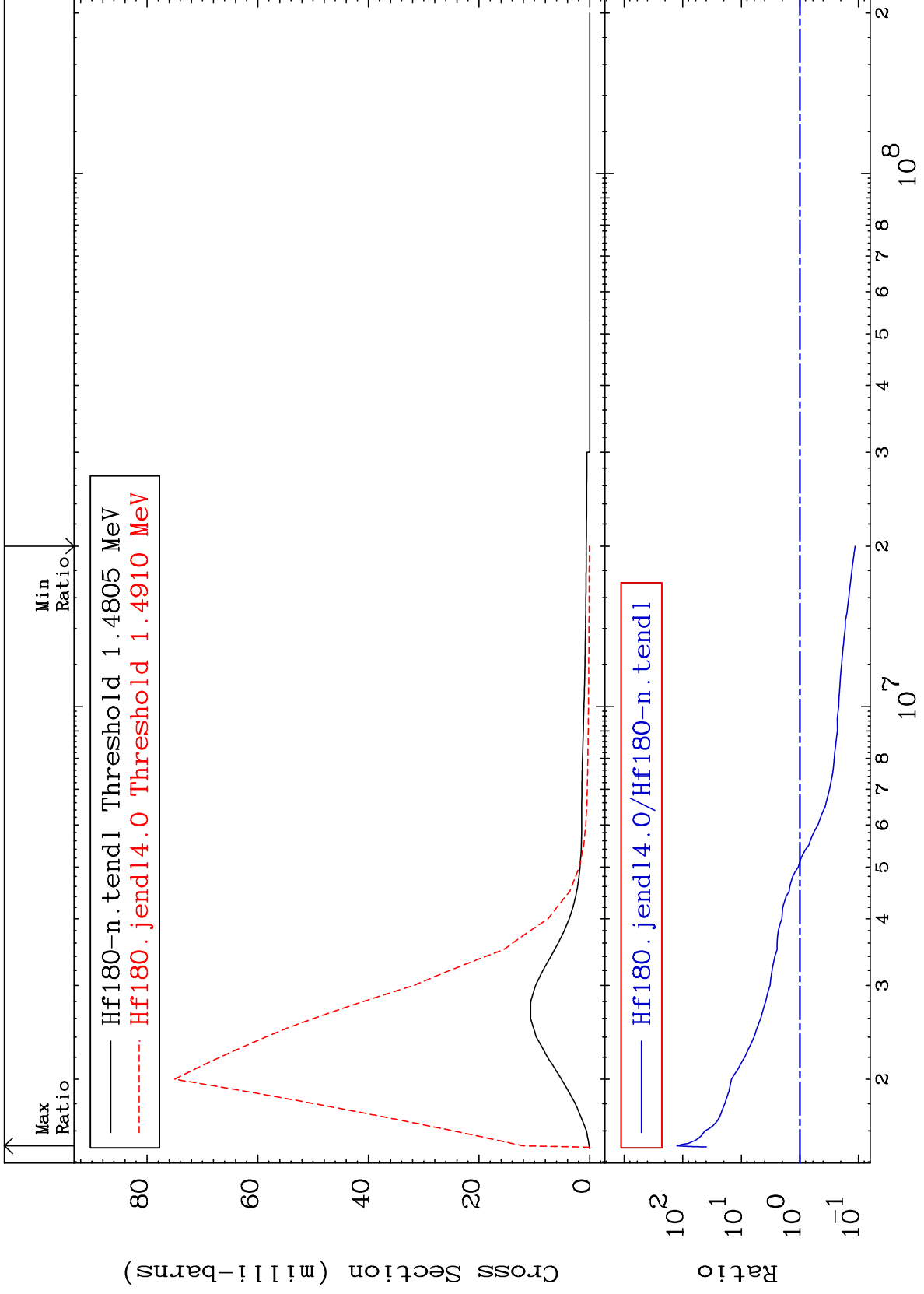




MAT 7243

1.472 MeV (n,n') Level
Cross Section

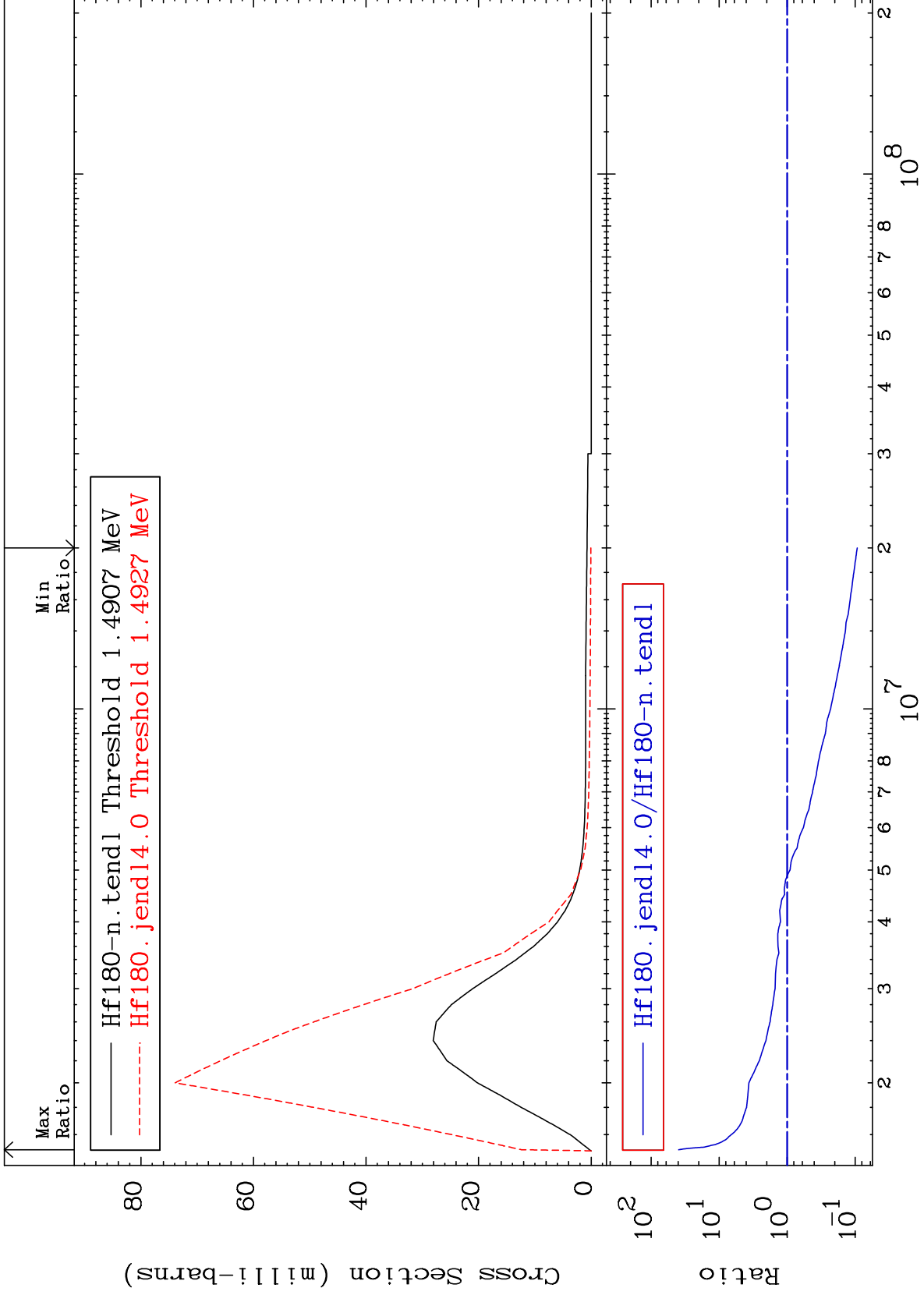
72-Hf-180
-88.58 To 9999. %

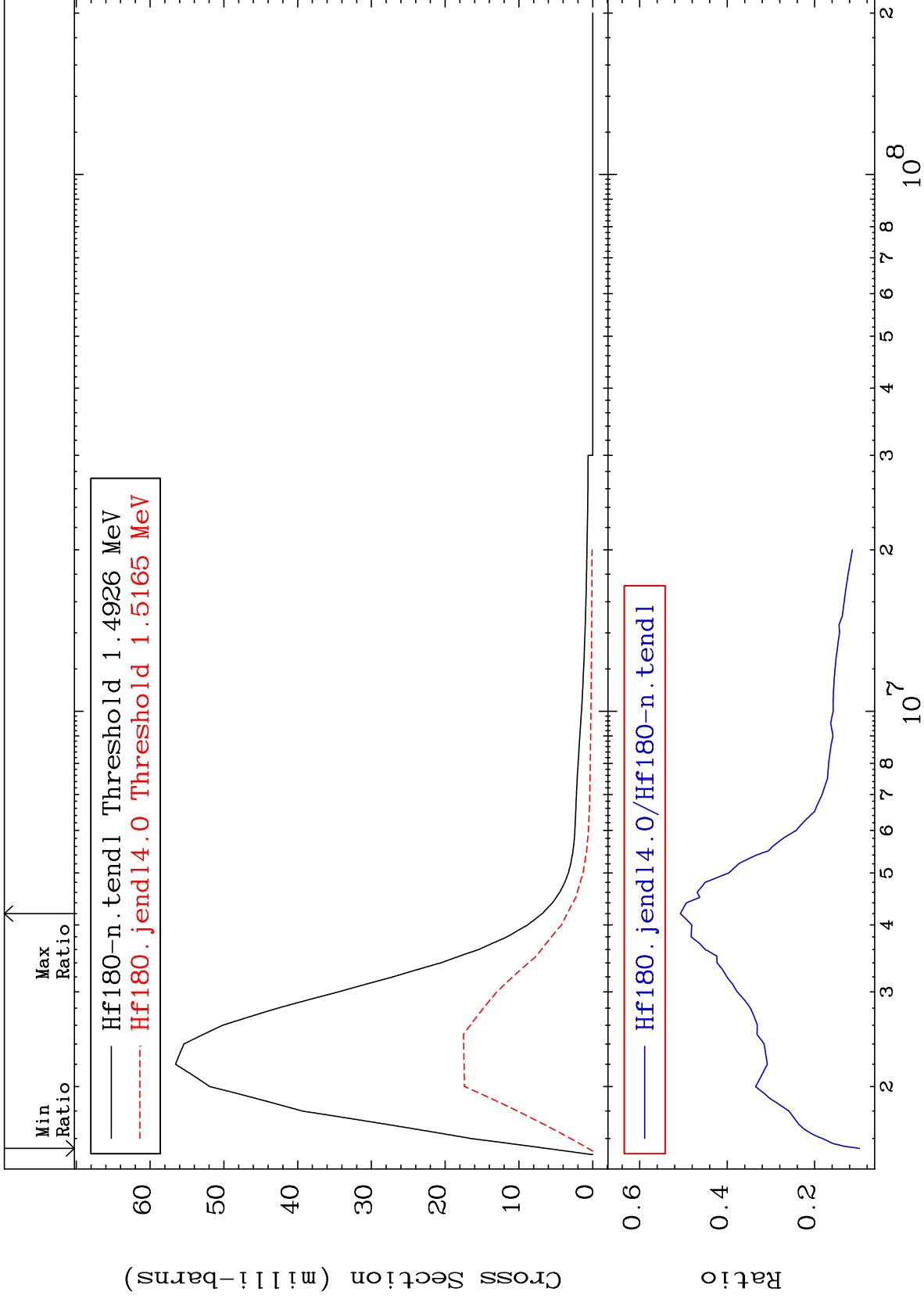


MAT 7243

1.482 MeV (n,n') Level
Cross Section

72-Hf-180
-90.65 To 3839. %

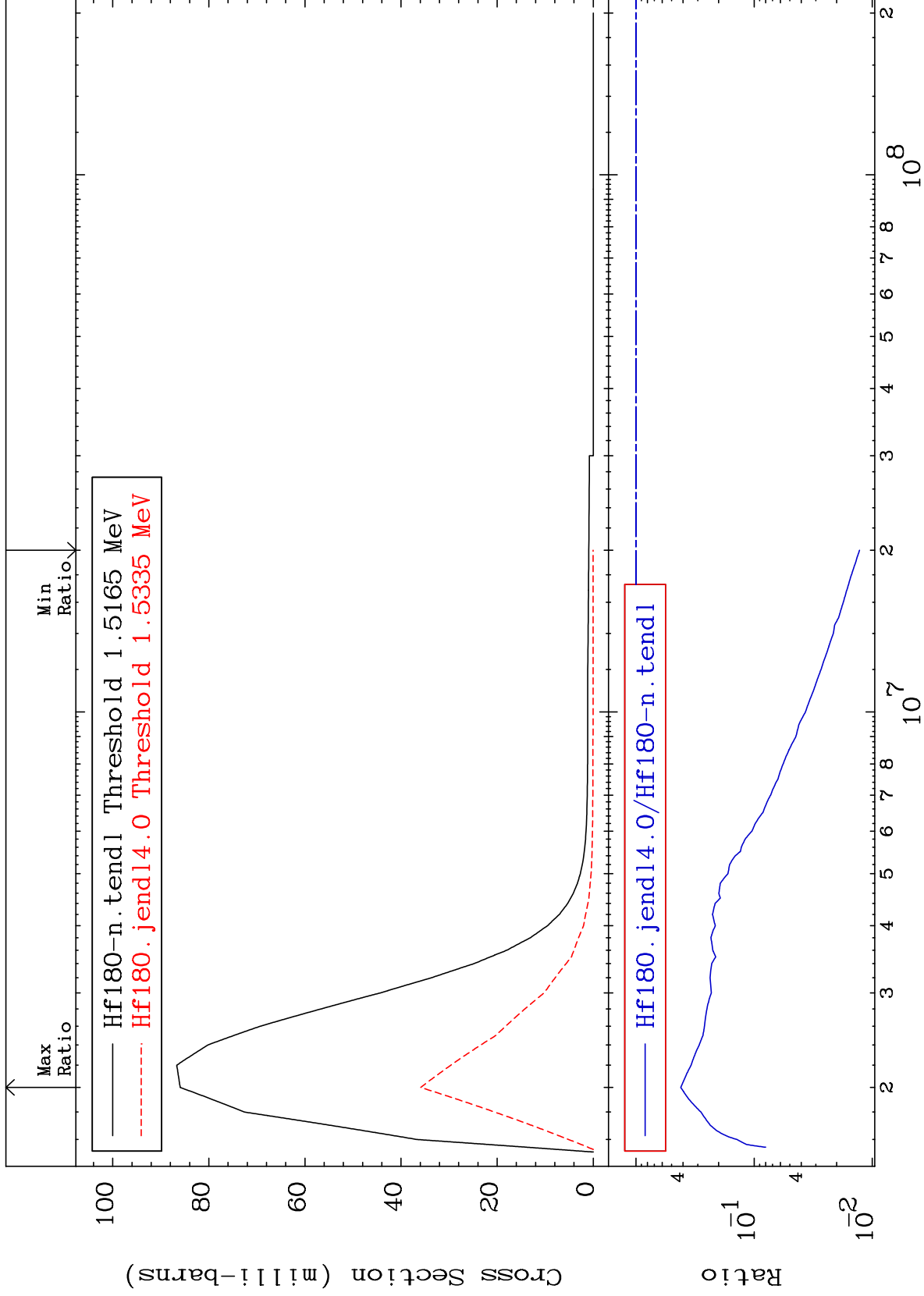




MAT 7243

1.508 MeV (n,n') Level
Cross Section

72-Hf-180
-98.72 To -58.22%



37

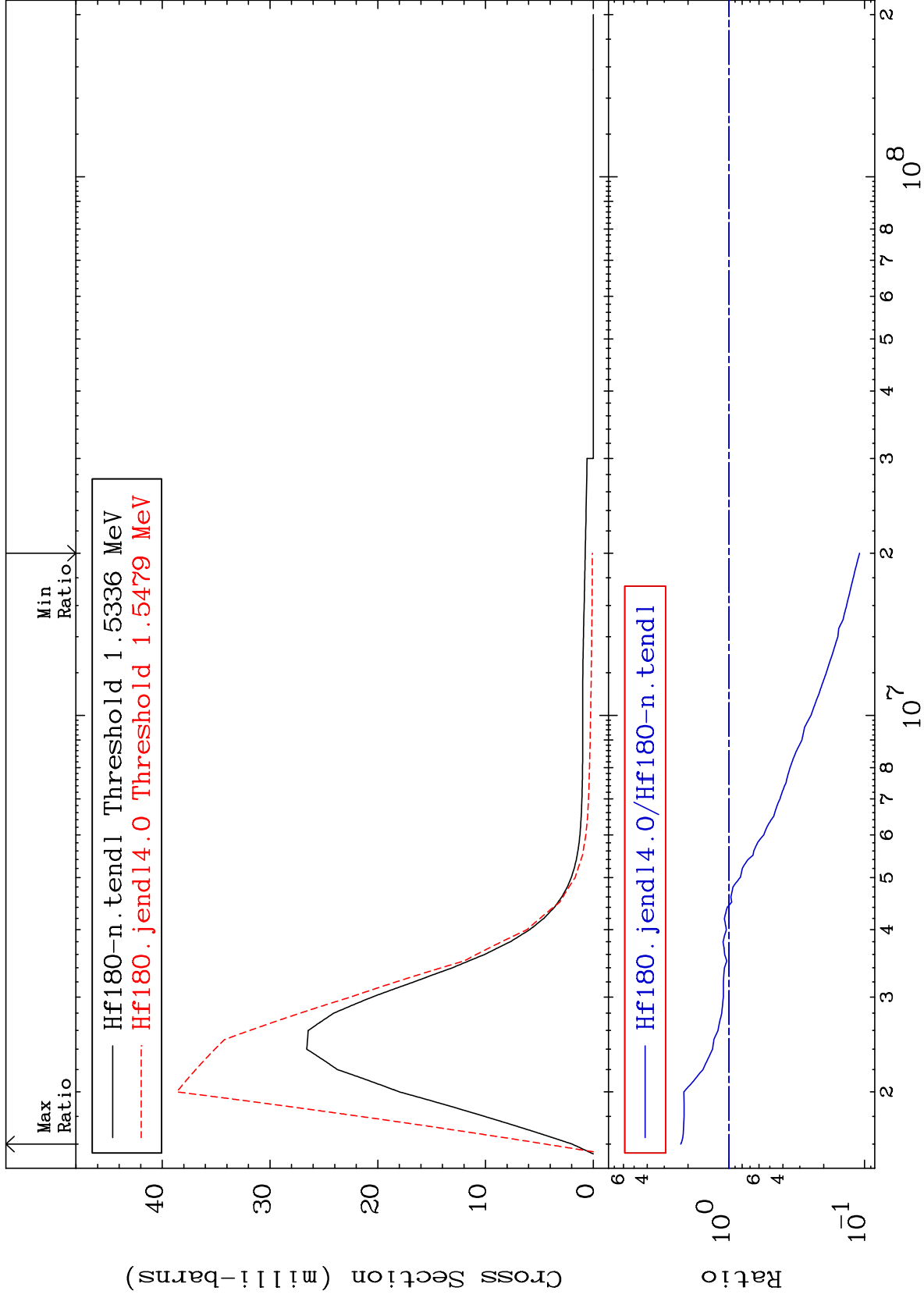
Incident Energy (eV)

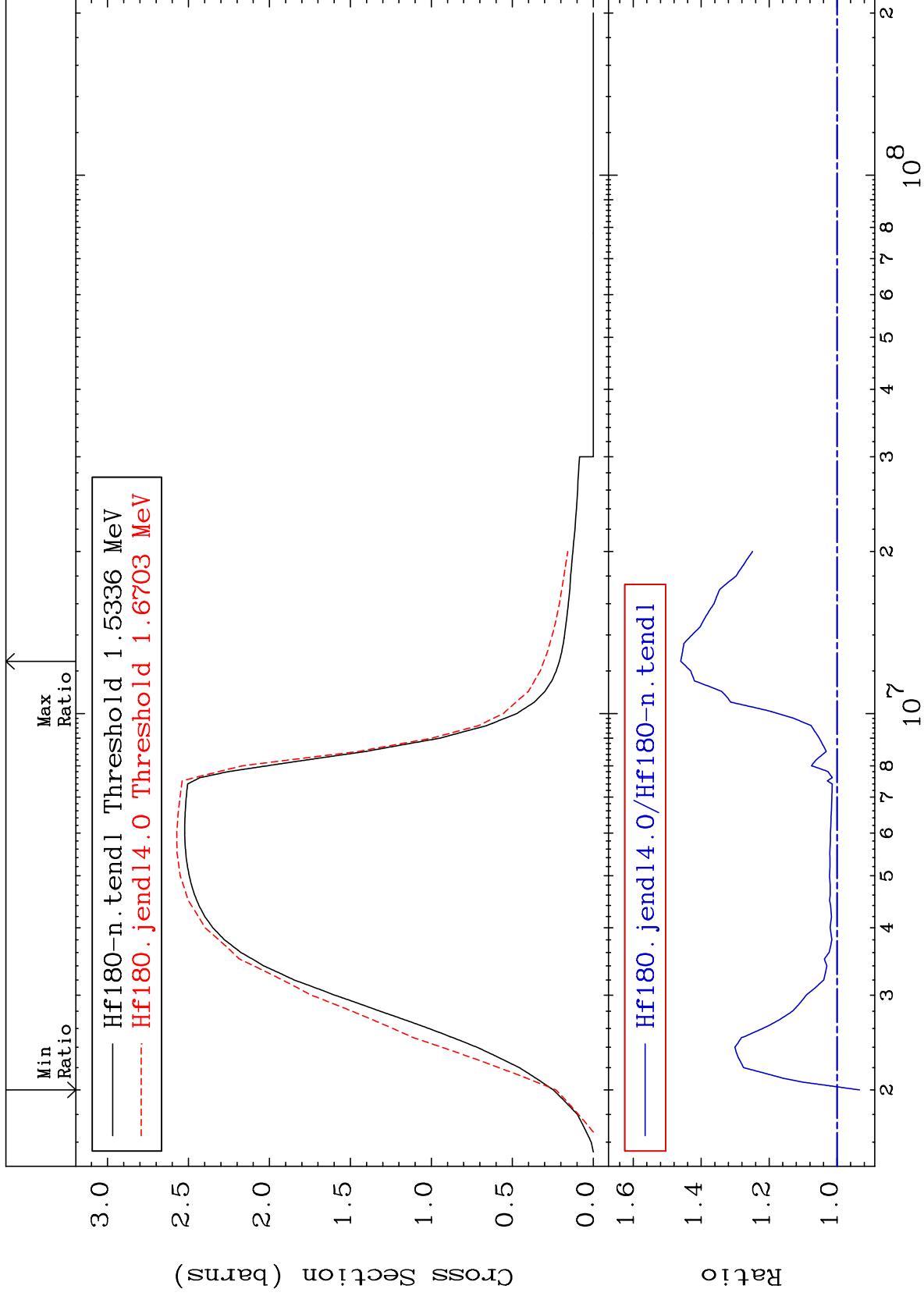
72-Hf-180

MAT 7243

1.525 MeV (n,n') Level
Cross Section

72-Hf-180
-89.11 To 126.5 %





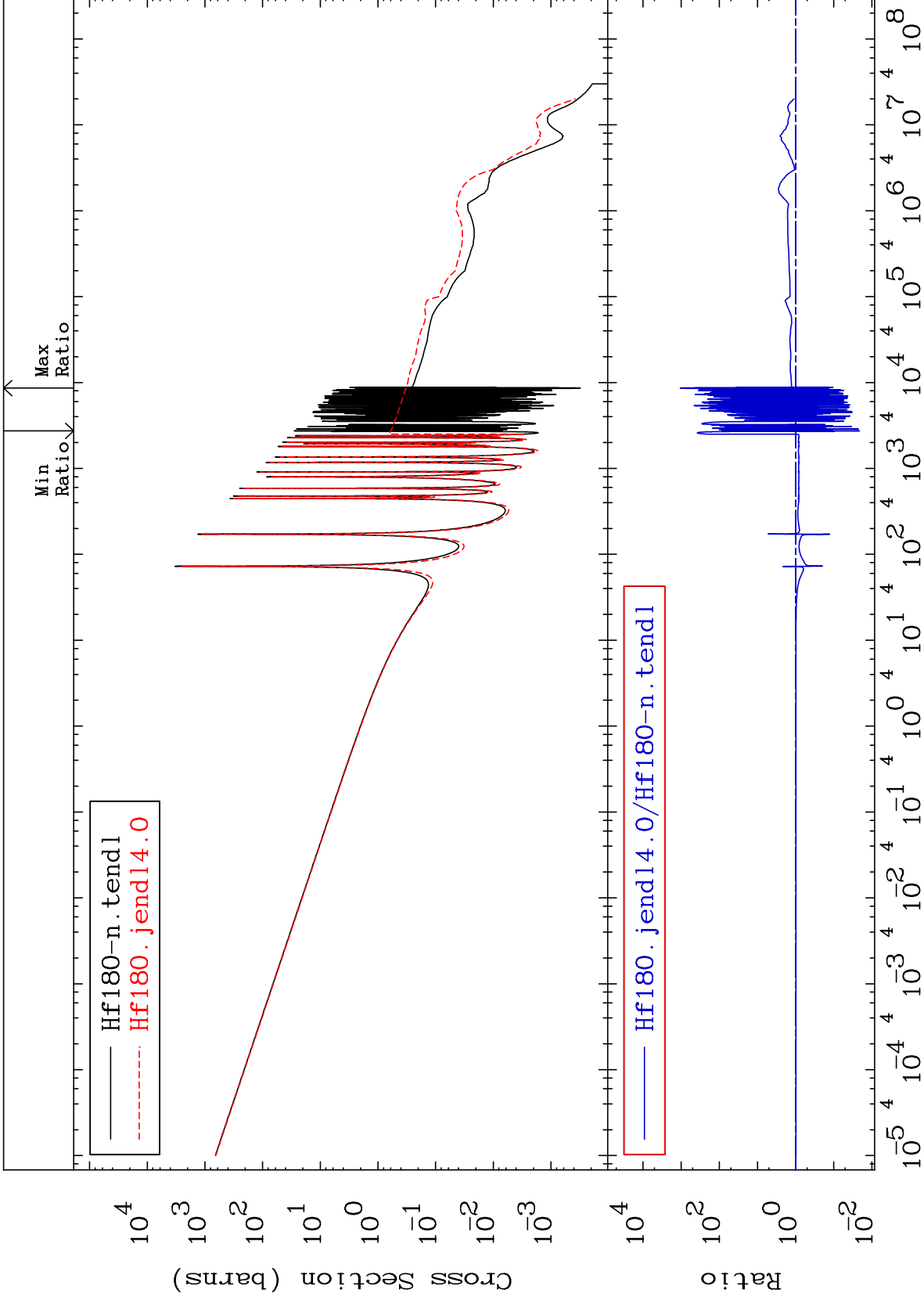
MAT 7243

(n, γ)

72-Hf-180

Cross Section

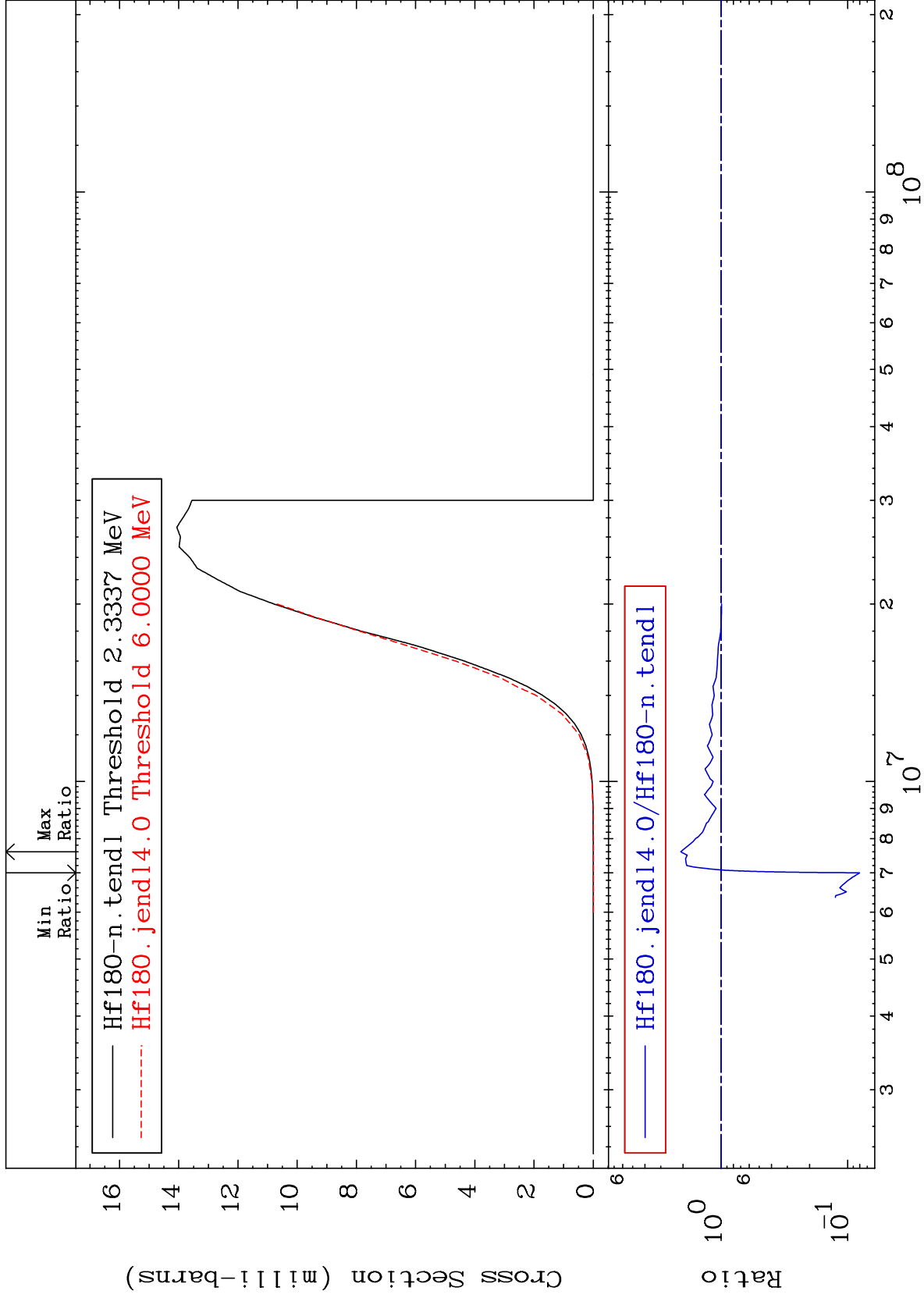
-97.87 To 9999. %

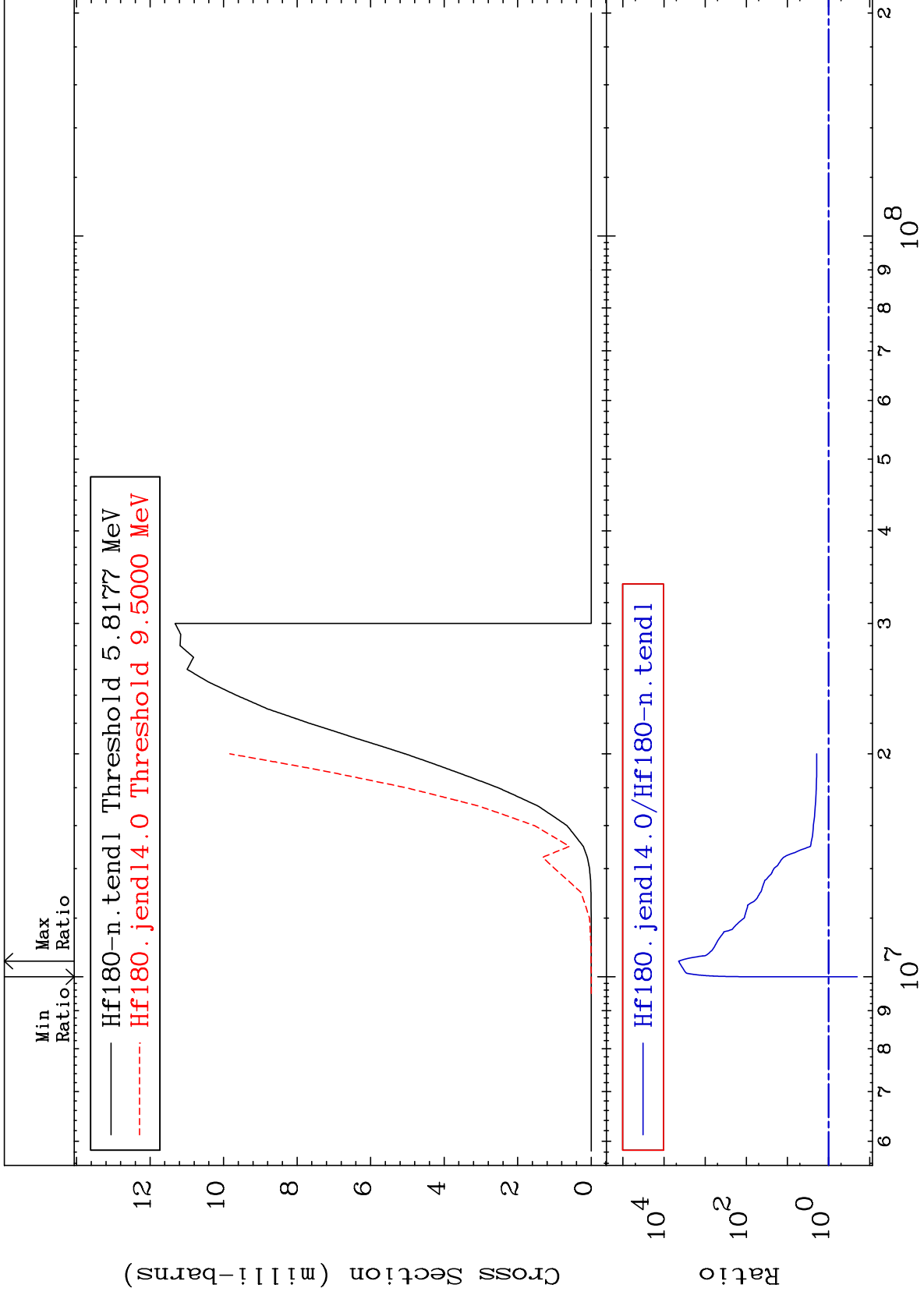


Incident Energy (eV)

72-Hf-180

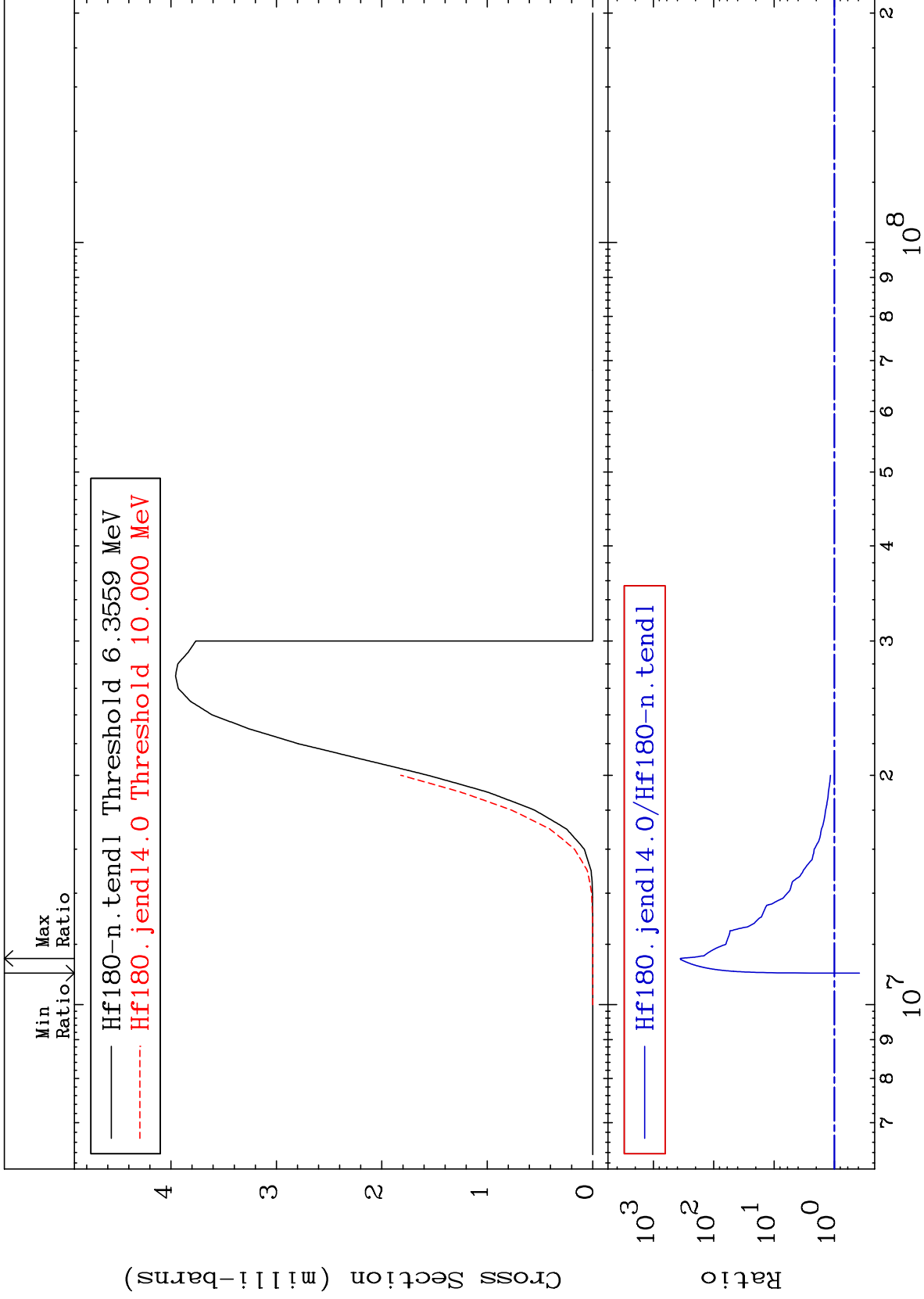
40





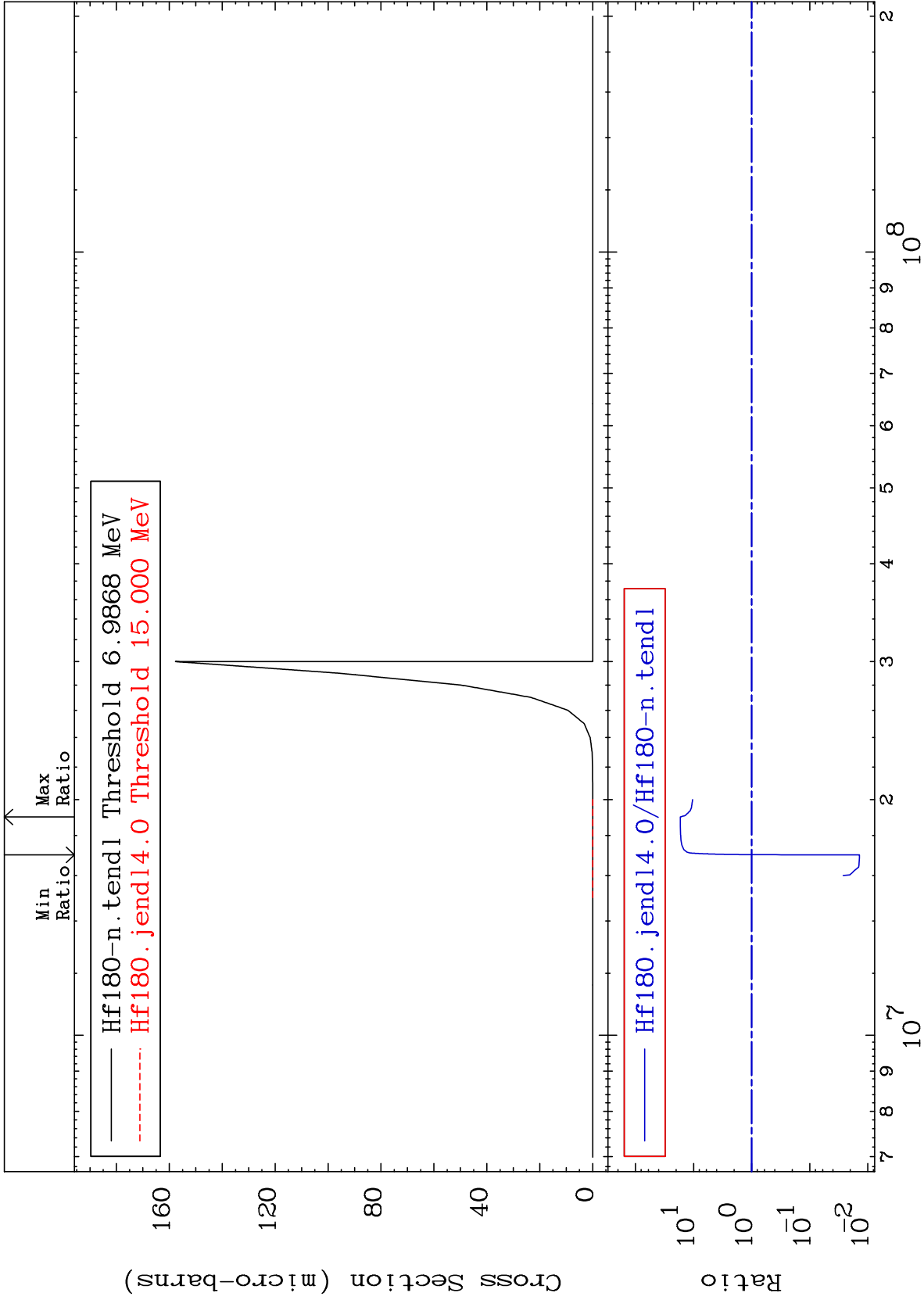
Cross Section

-61.60 To 9999. %



Cross Section

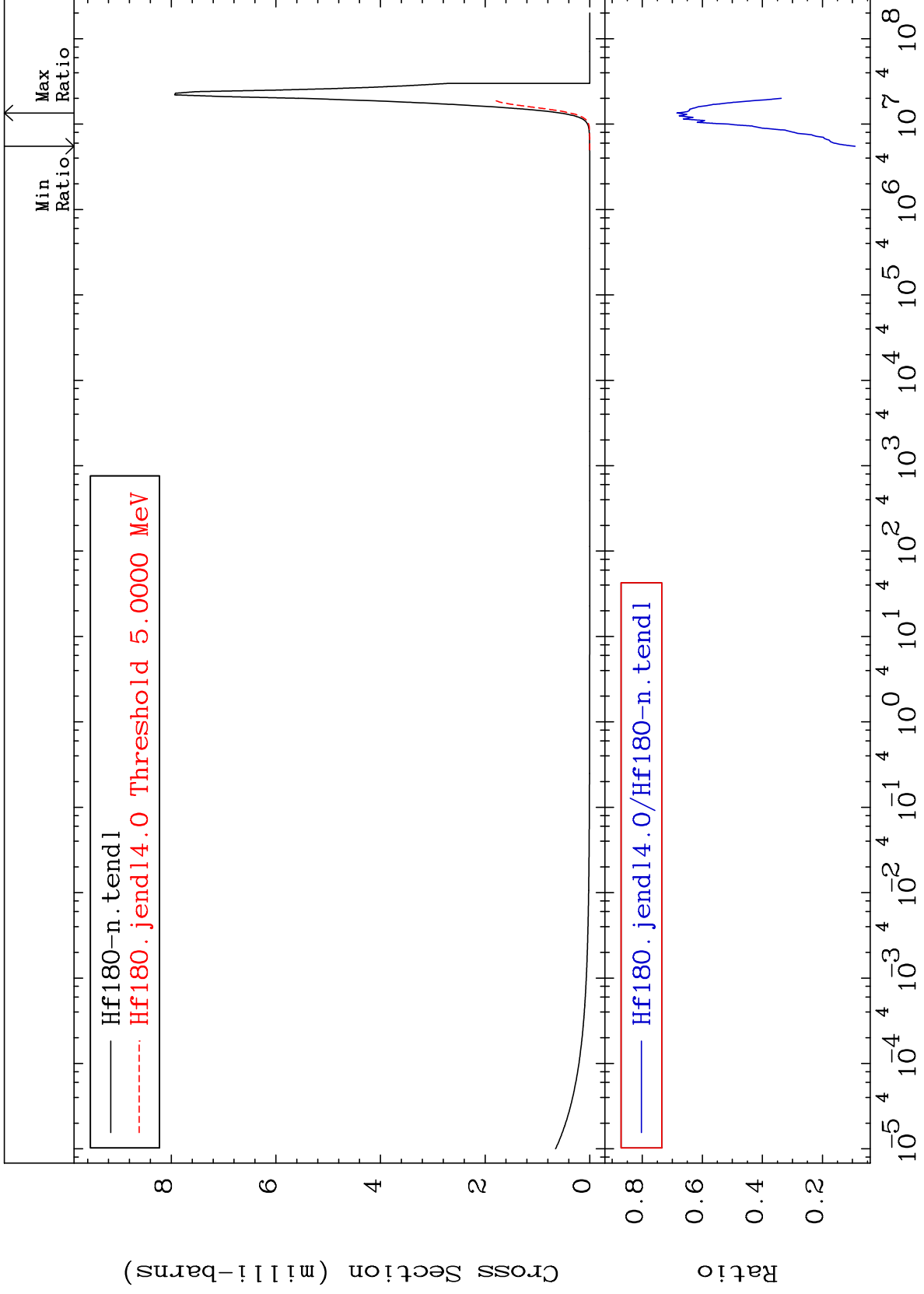
-98.60 To 1589. %

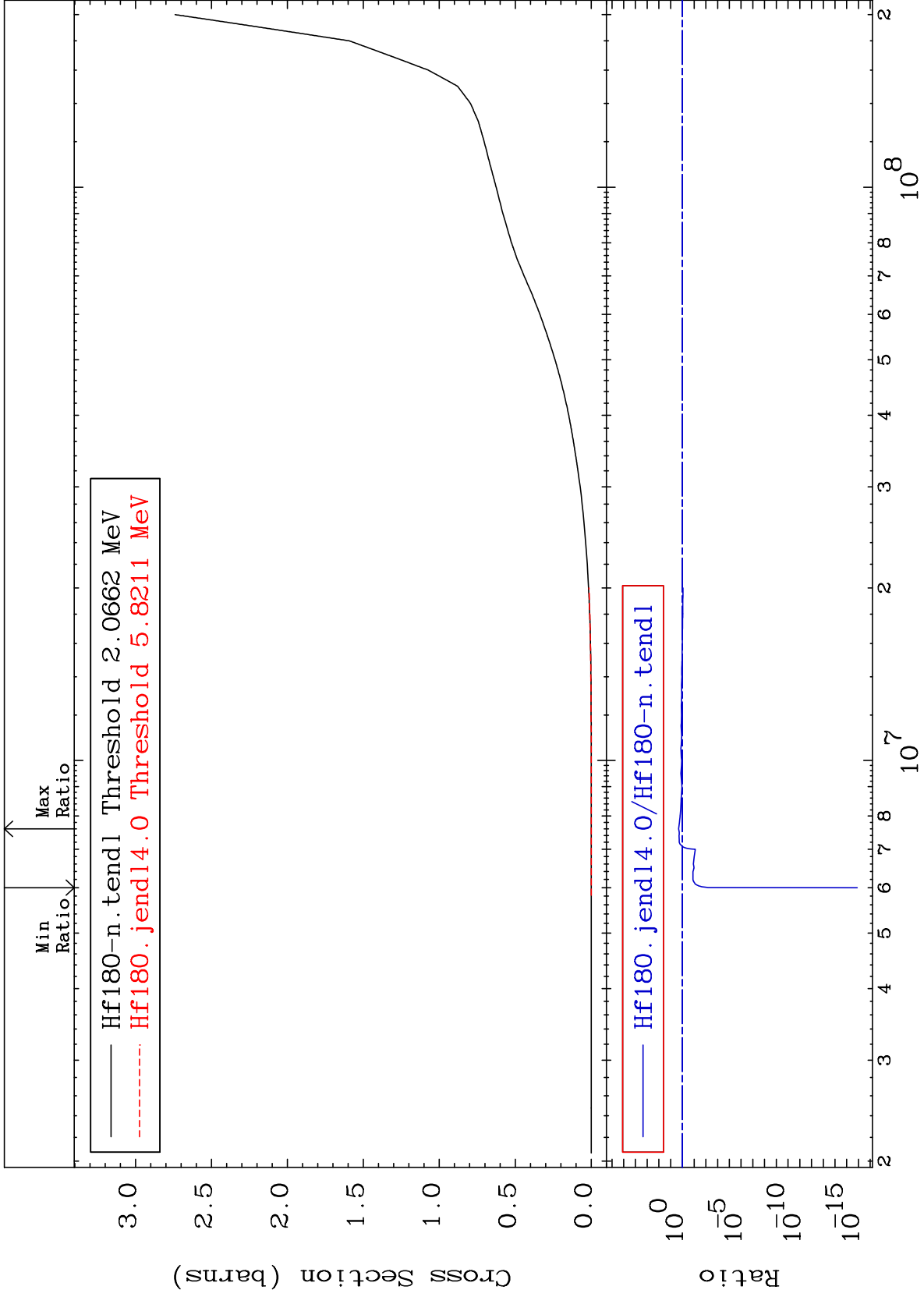


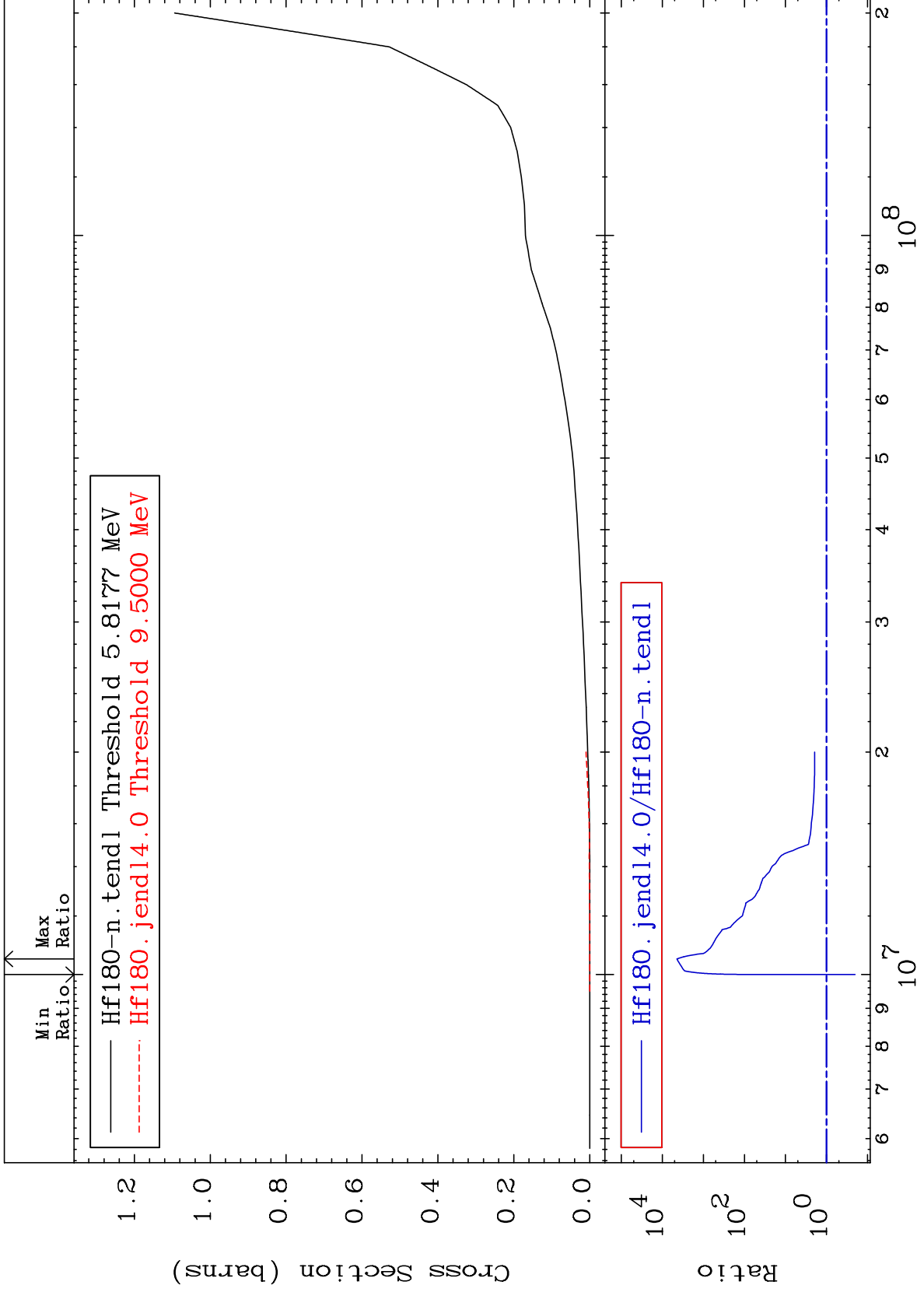
MAT 7243

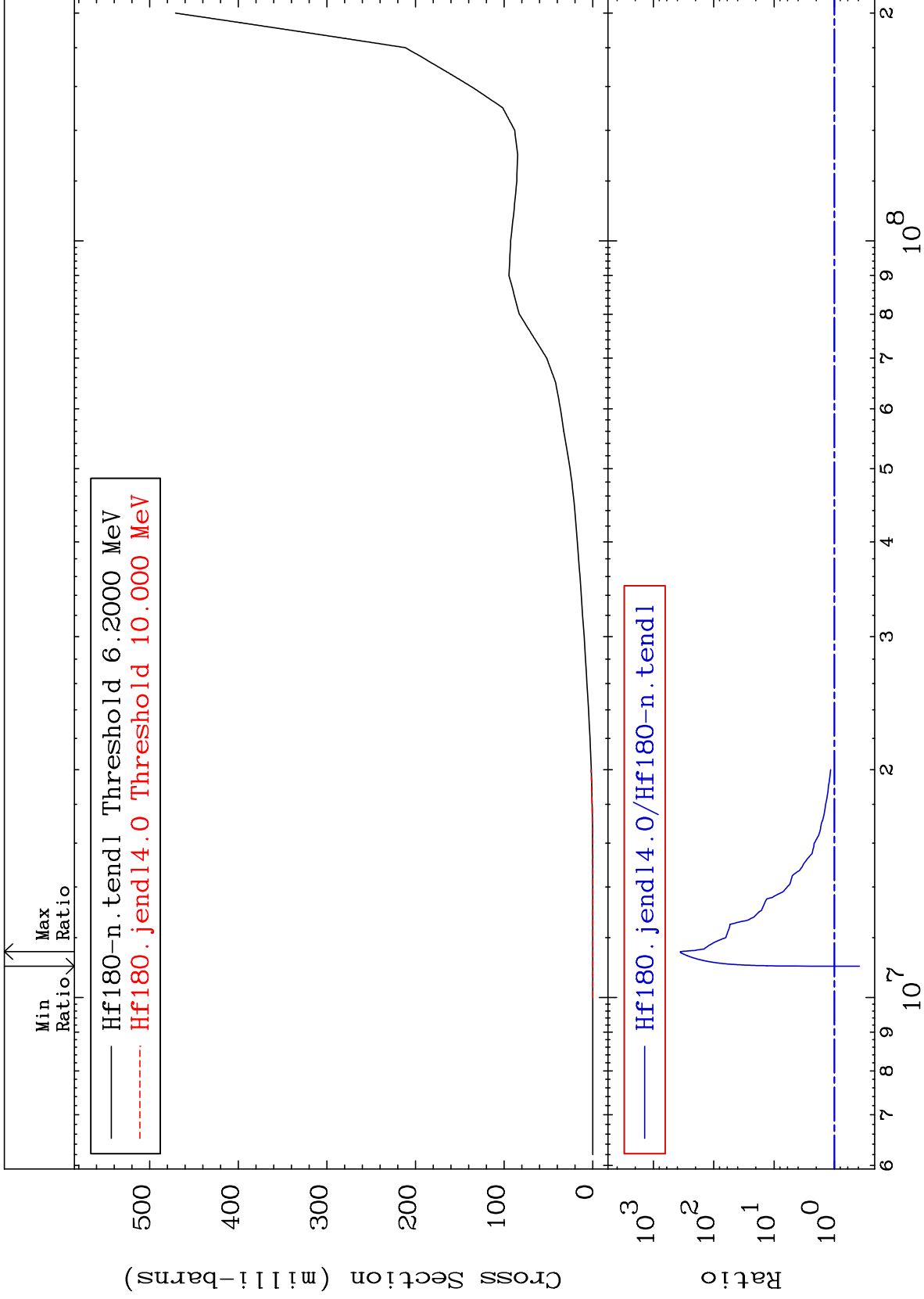
(n, α)
Cross Section

72-Hf-180
-90.87 To -31.54%





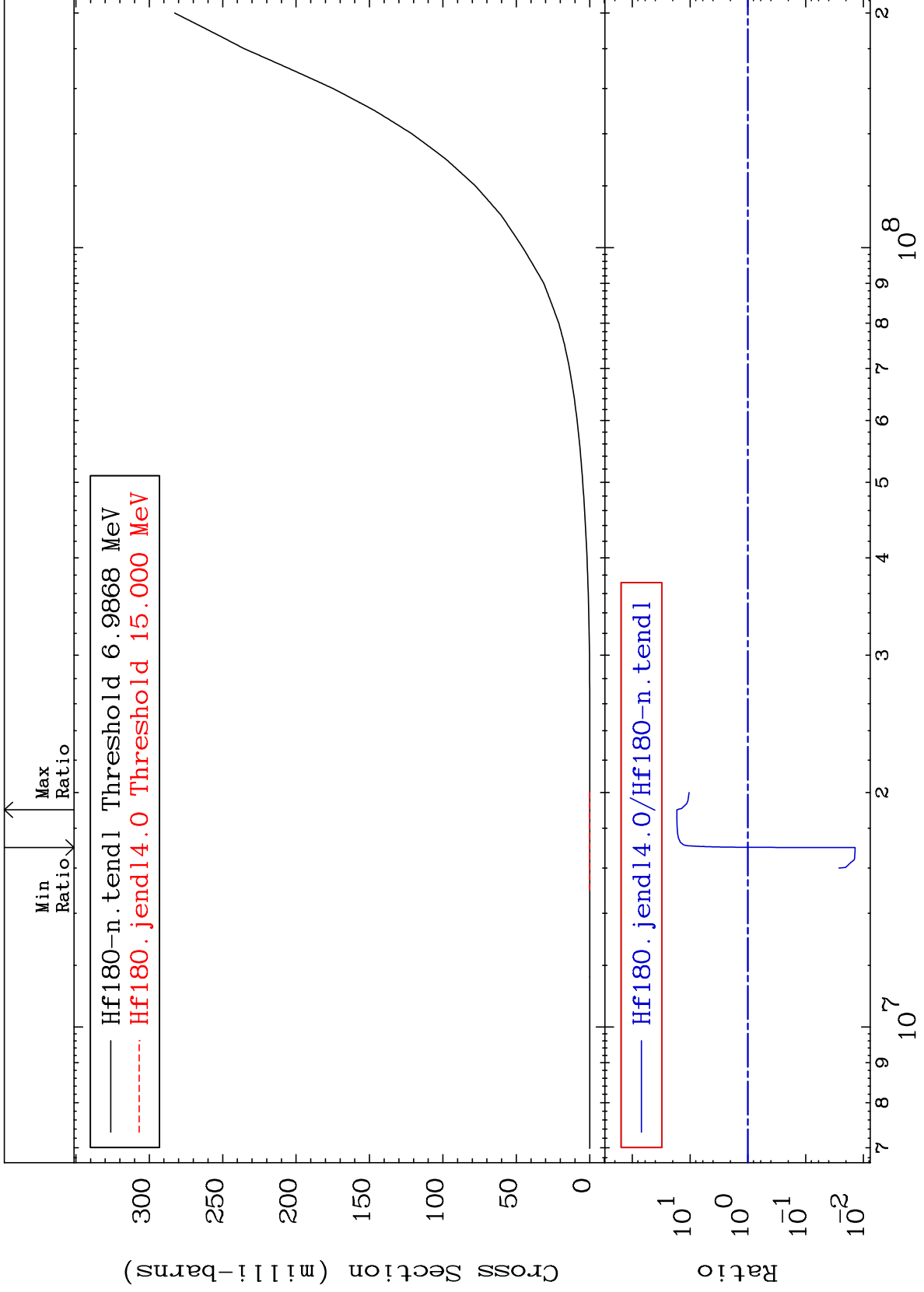




MAT 7243

He-3 Production
Cross Section

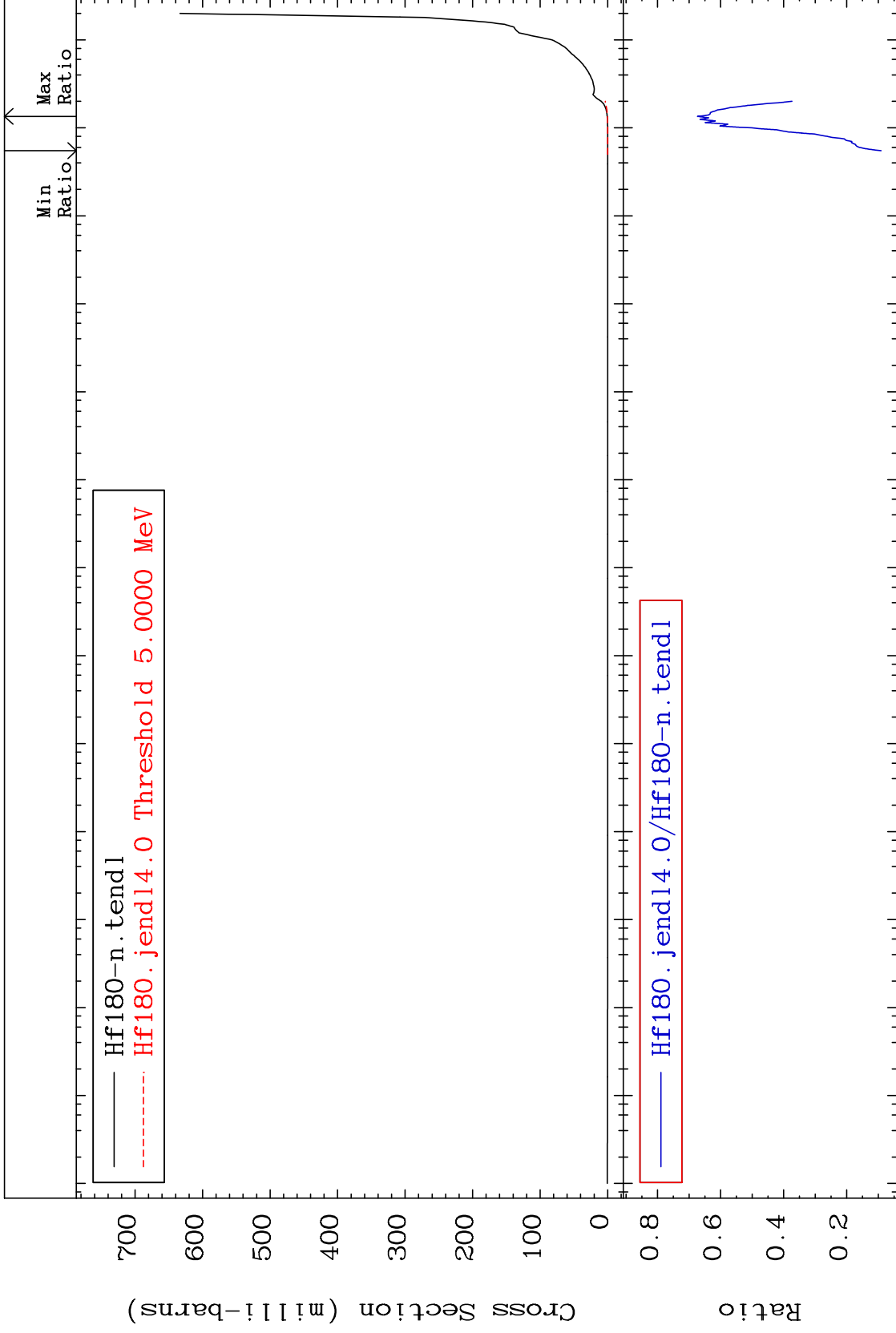
⁷²Hf-180
-98.60 To 1589. %



MAT 7243

He-4 Production
Cross Section

72-Hf-180
-90.89 To -32.67%



50

Incident Energy (eV)

72-Hf-180

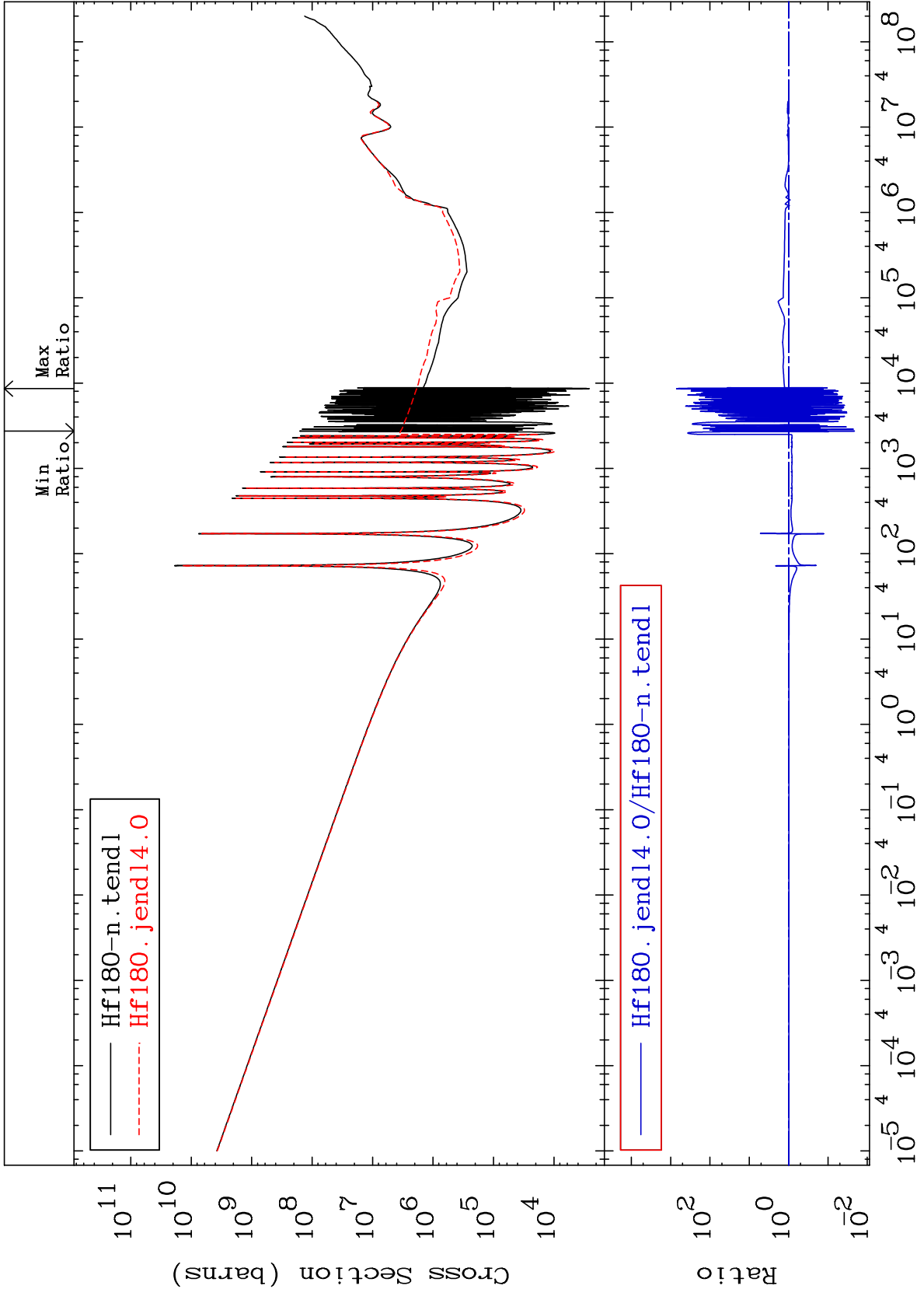
MAT 7243

Kerma total (eV-barns)

72-Hf-180

Cross Section

-97.87 To 9999. %



51

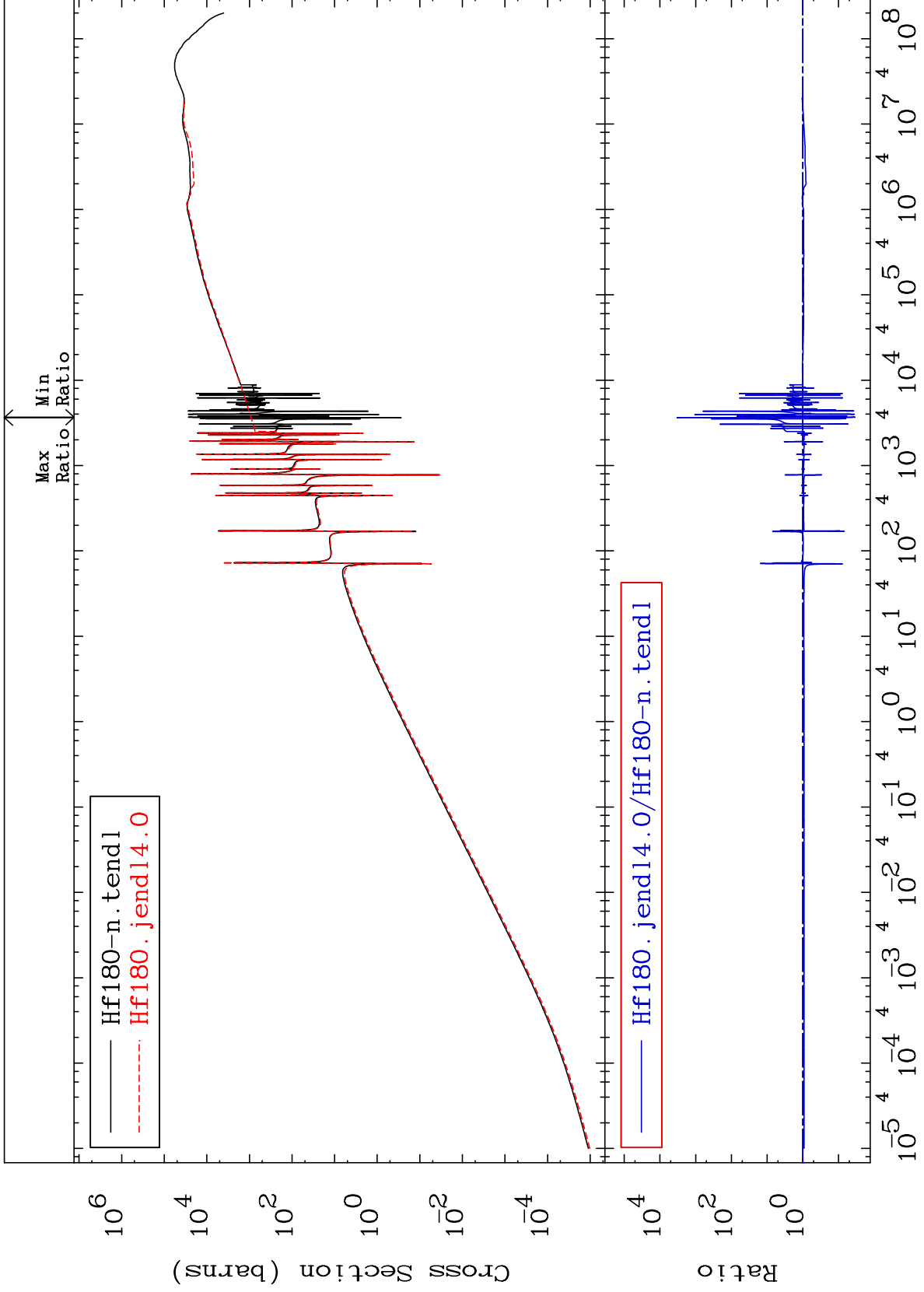
Incident Energy (eV)

72-Hf-180

MAT 7243

Kerma elastic
Cross Section

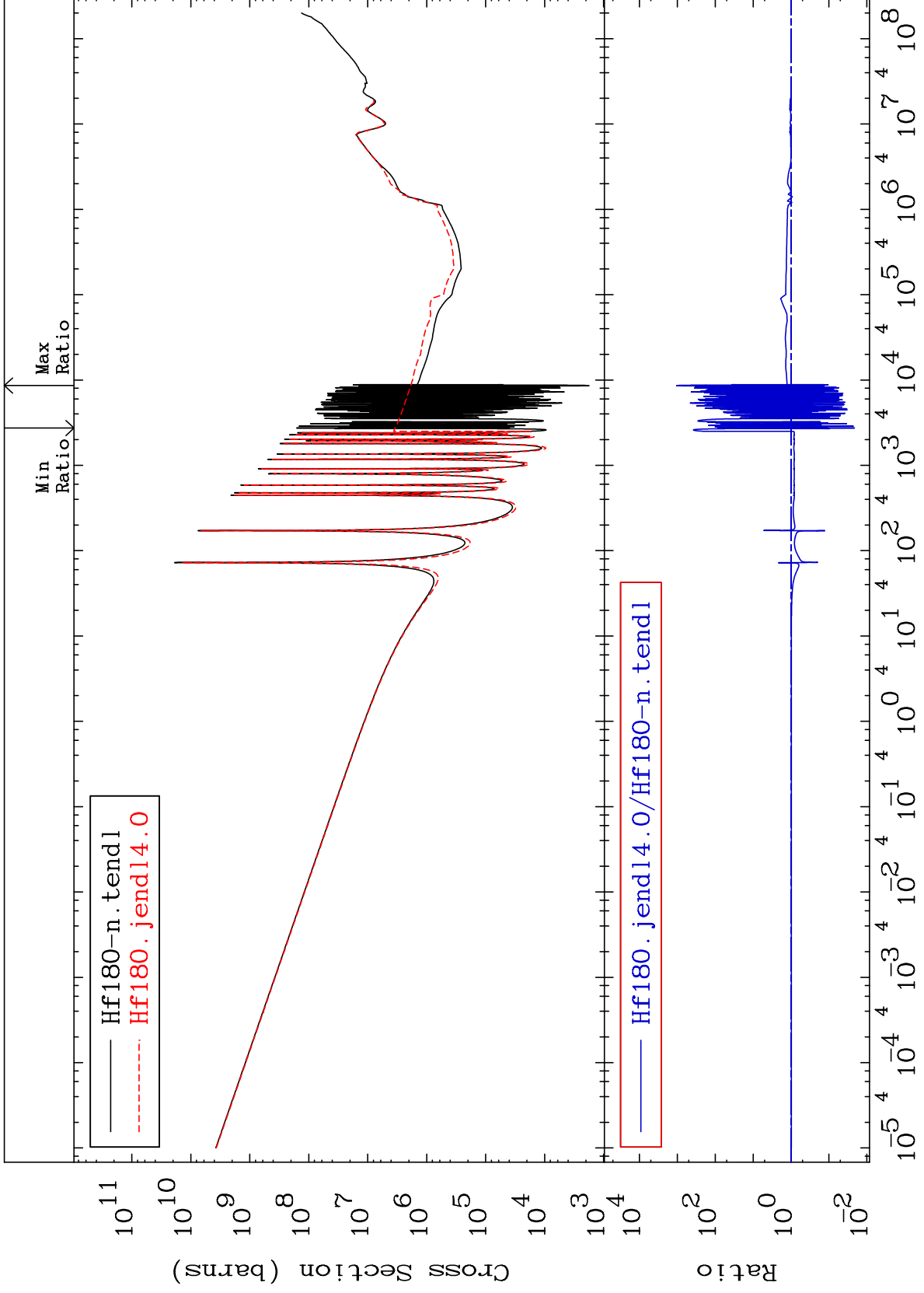
72-Hf-180
-96.56 To 9999. %

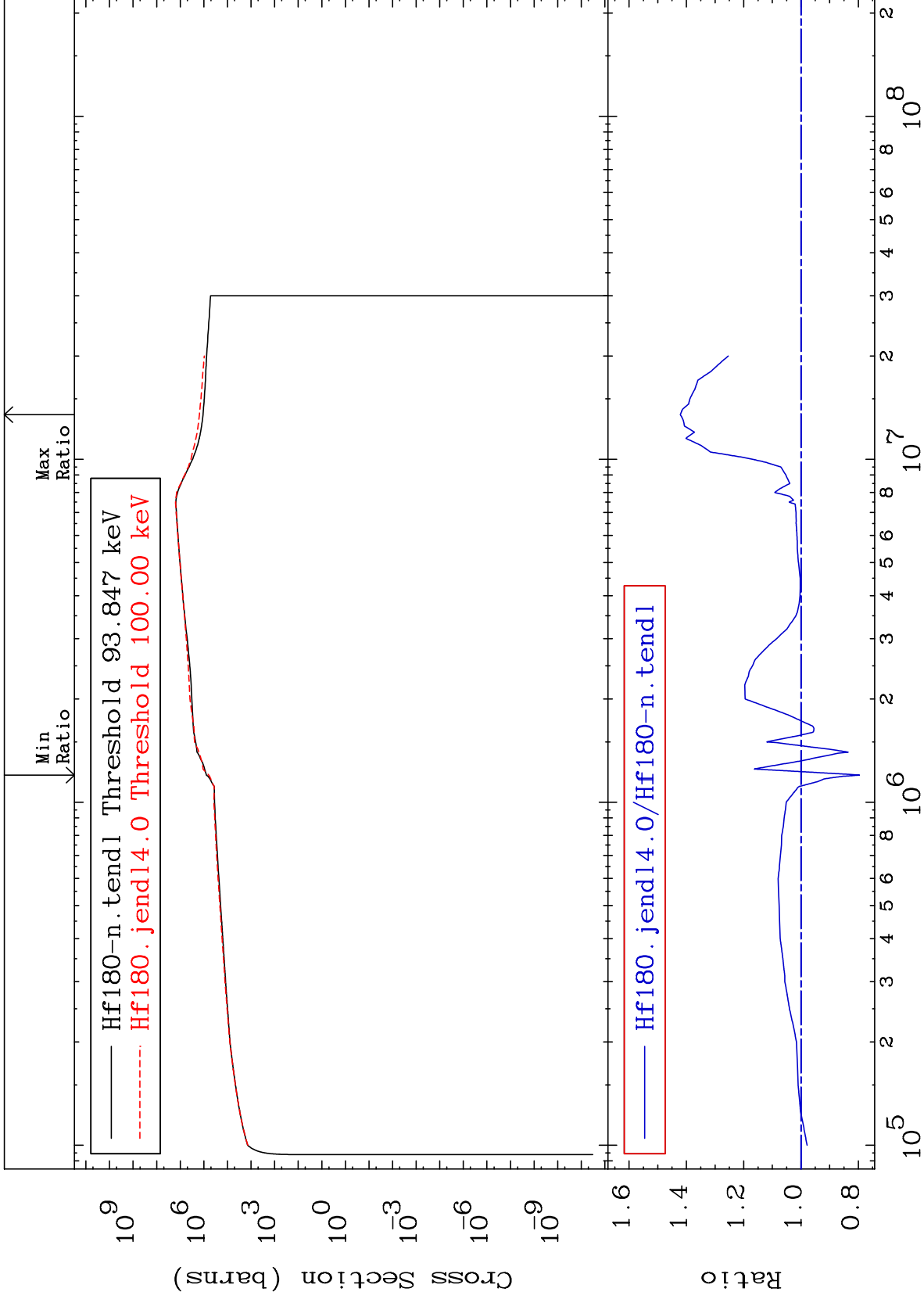


MAT 7243

Kerma non-elastic (all but mt2)
Cross Section

72-Hf-180
-97.87 To 9999. %

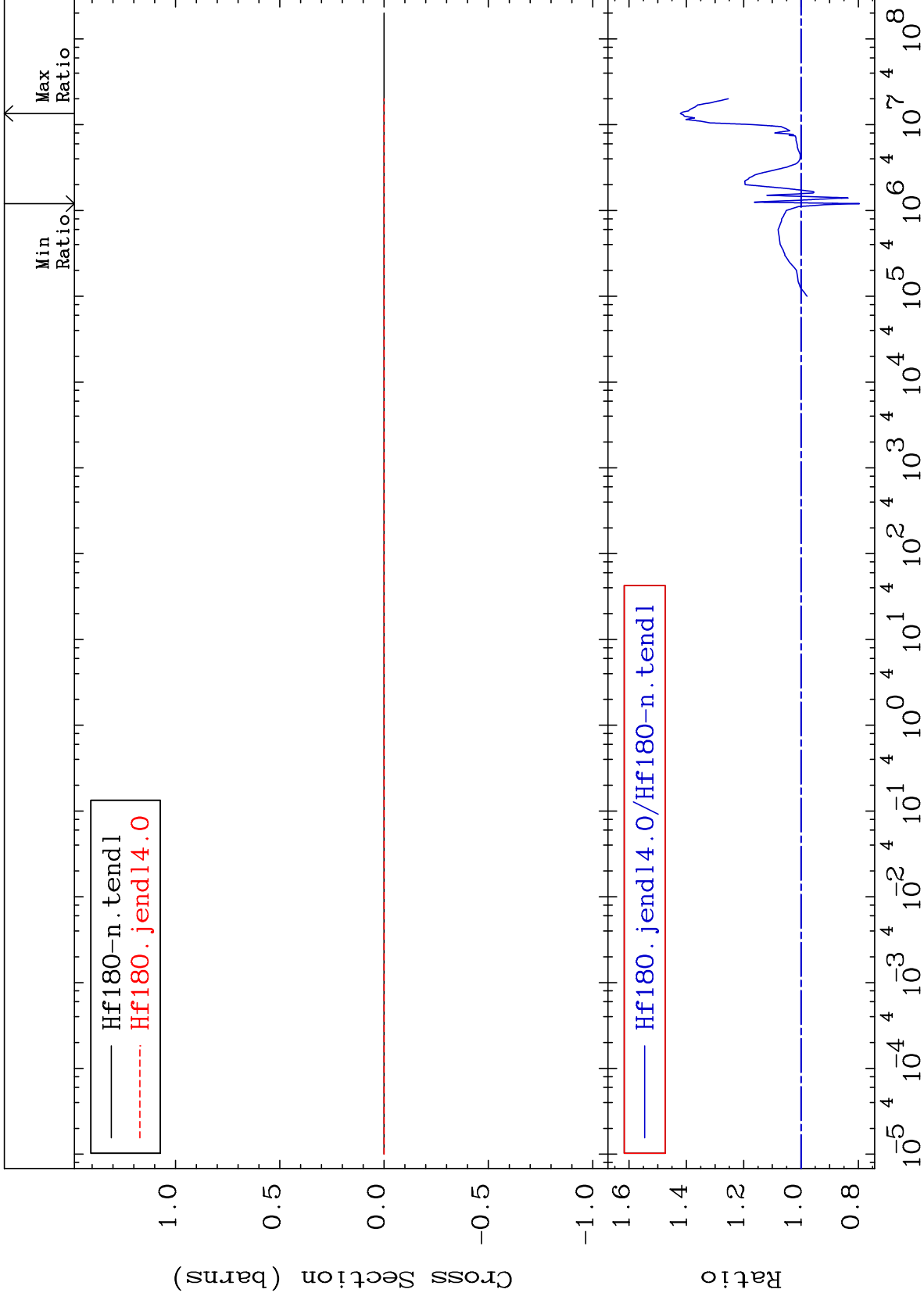




MAT 7243

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

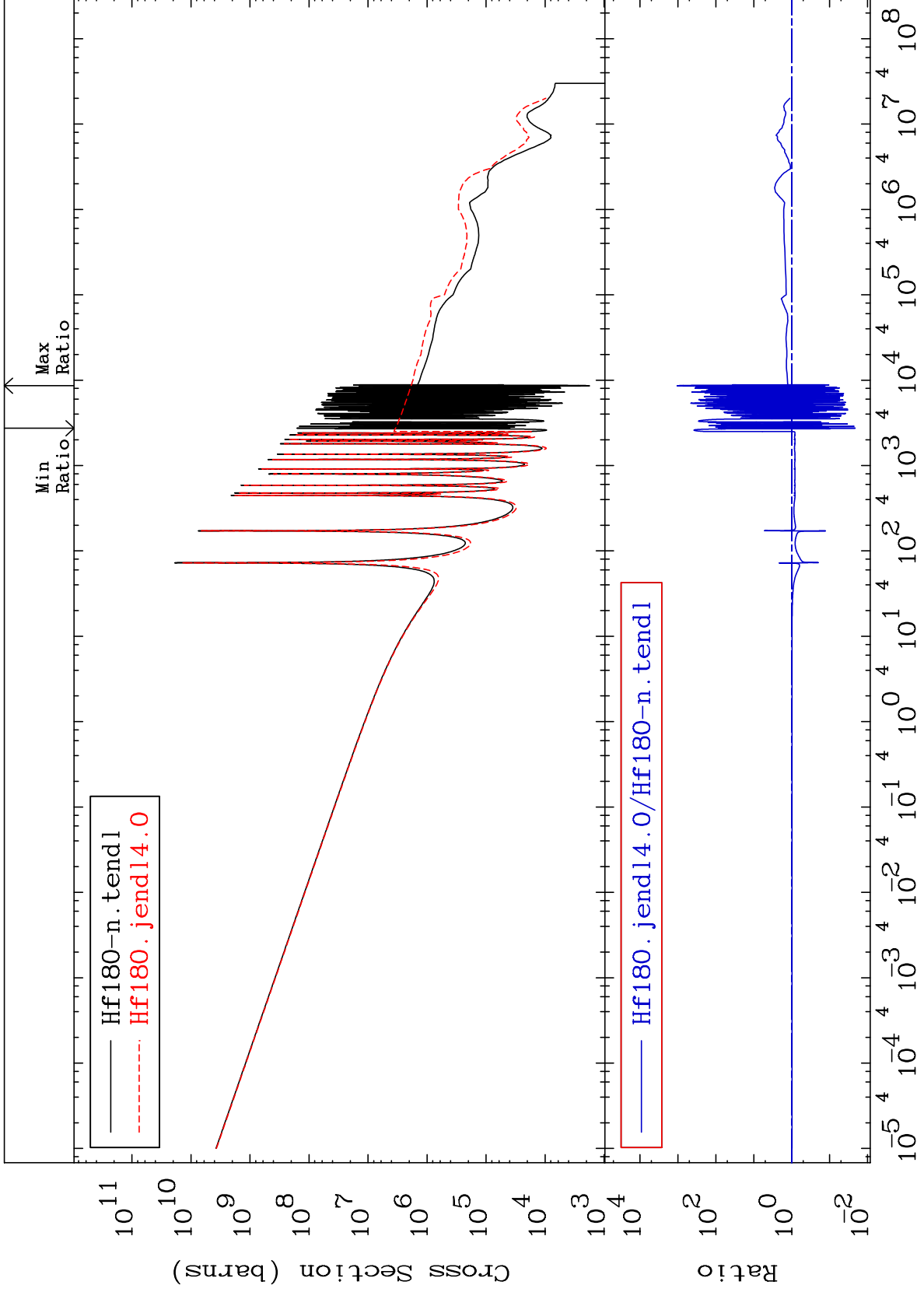
72-Hf-180
-20.40 To 42.10 %



MAT 7243

Kerma capture (mt102)
Cross Section

72-Hf-180
-97.87 To 9999. %



56

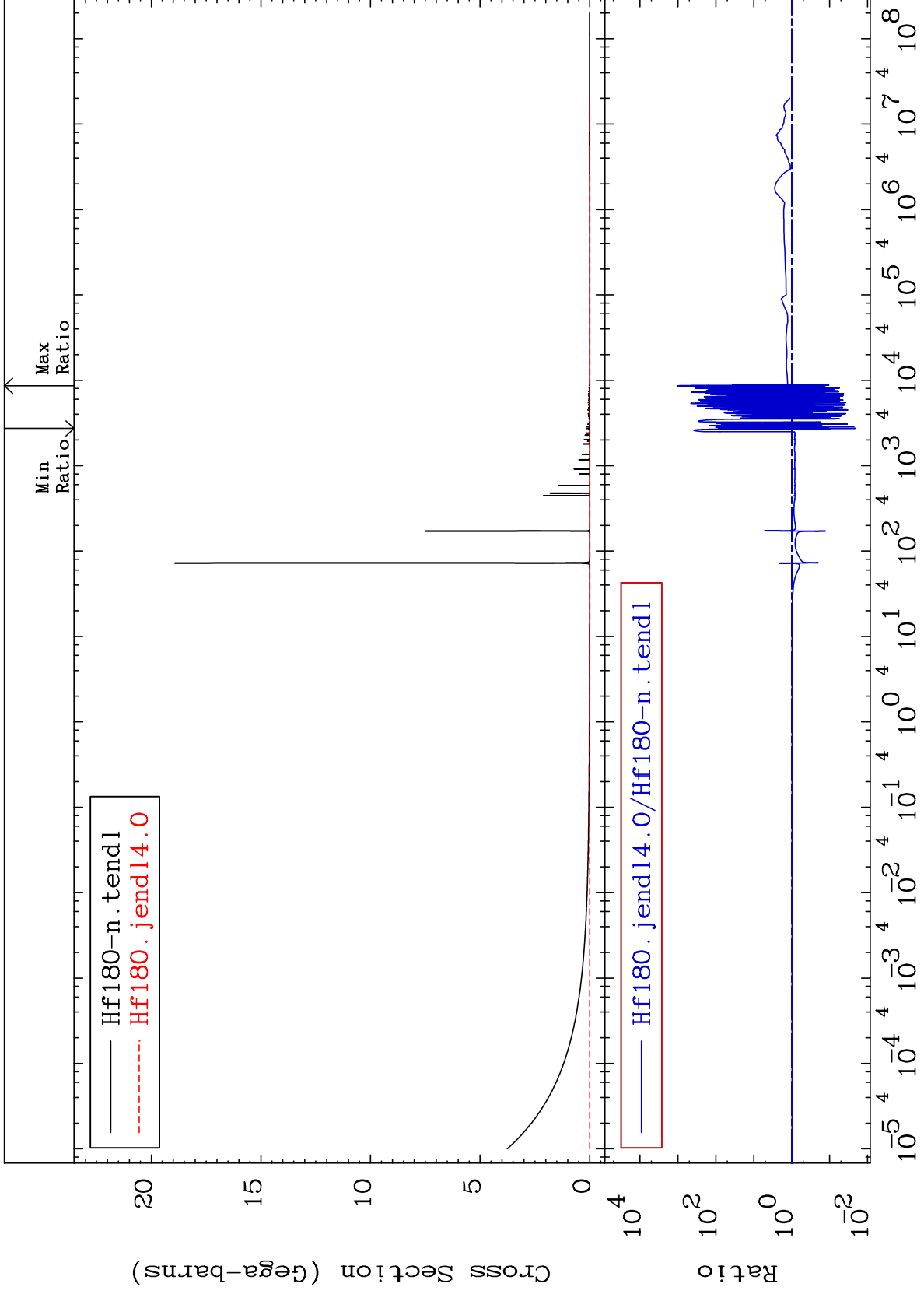
Incident Energy (eV)

72-Hf-180

MAT 7243

Total photon (eV-barns)
Cross Section

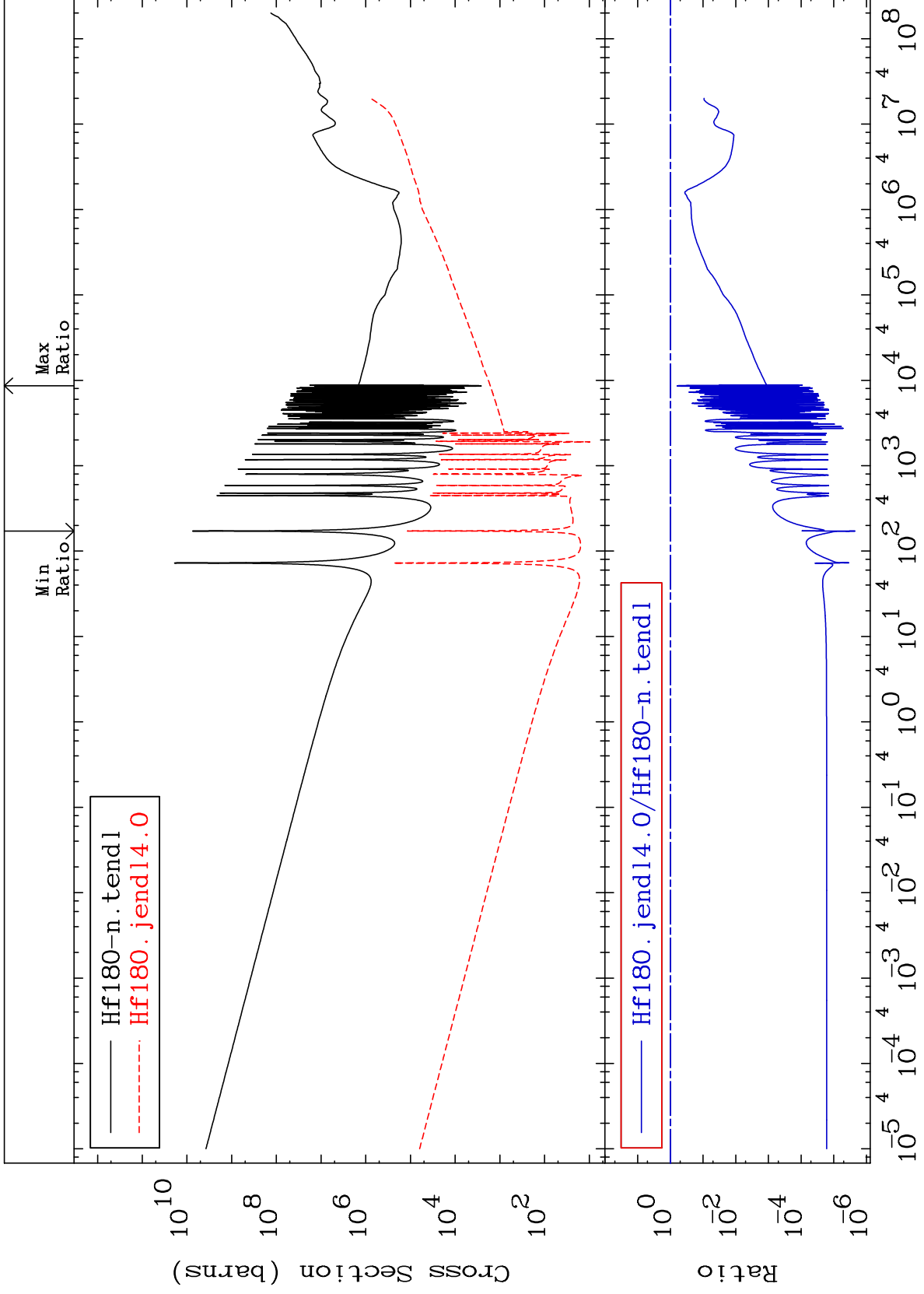
72-Hf-180
-97.87 To 9999. %



MAT 7243

Total kinematic kerma (high limit)
Cross Section

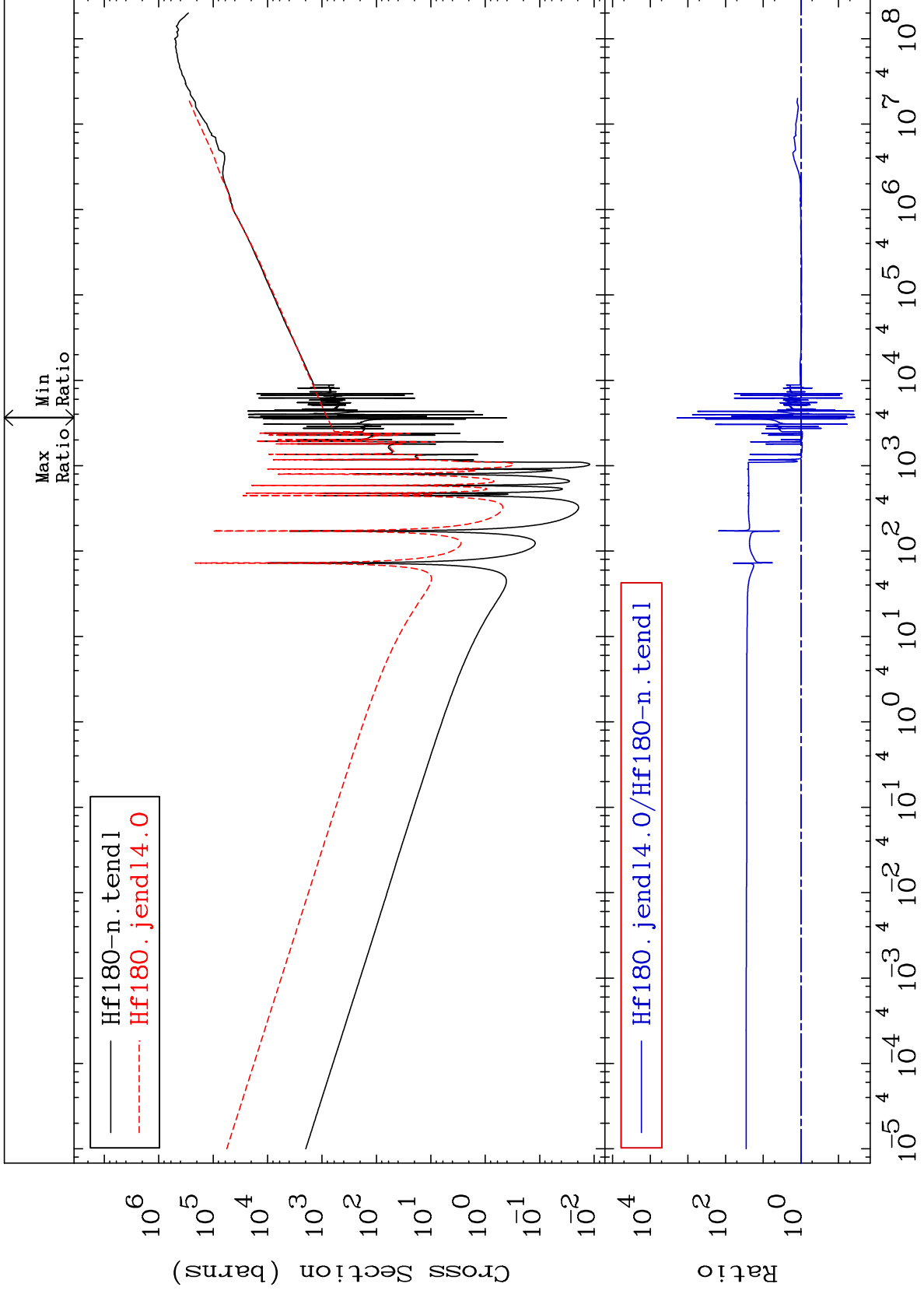
72-Hf-180
-100.0 To -37.07%



MAT 7243

Dpa total (eV-barns)
Cross Section

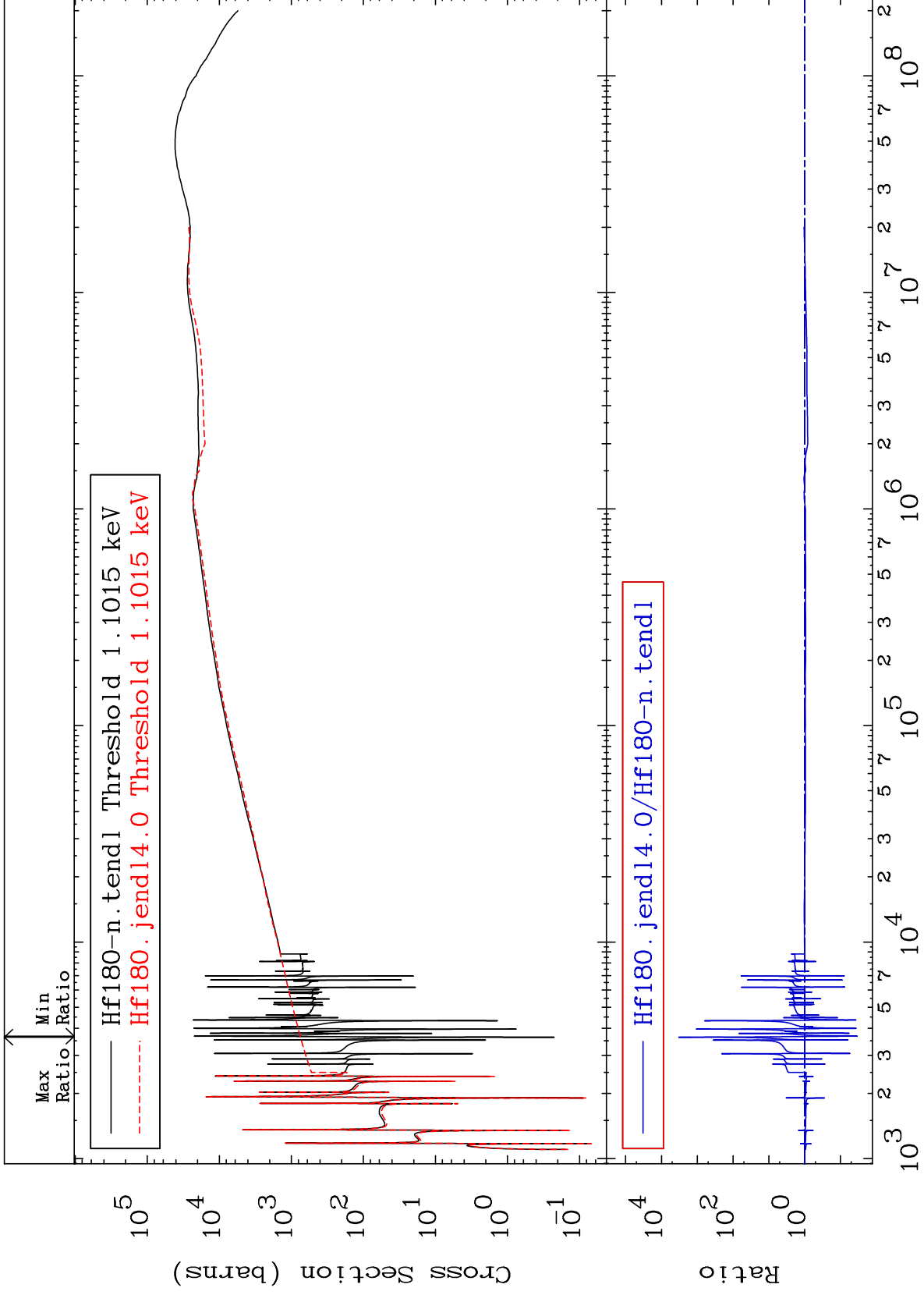
72-Hf-180
-96.36 To 9999. %



MAT 7243

Dpa elastic (mt2)
Cross Section

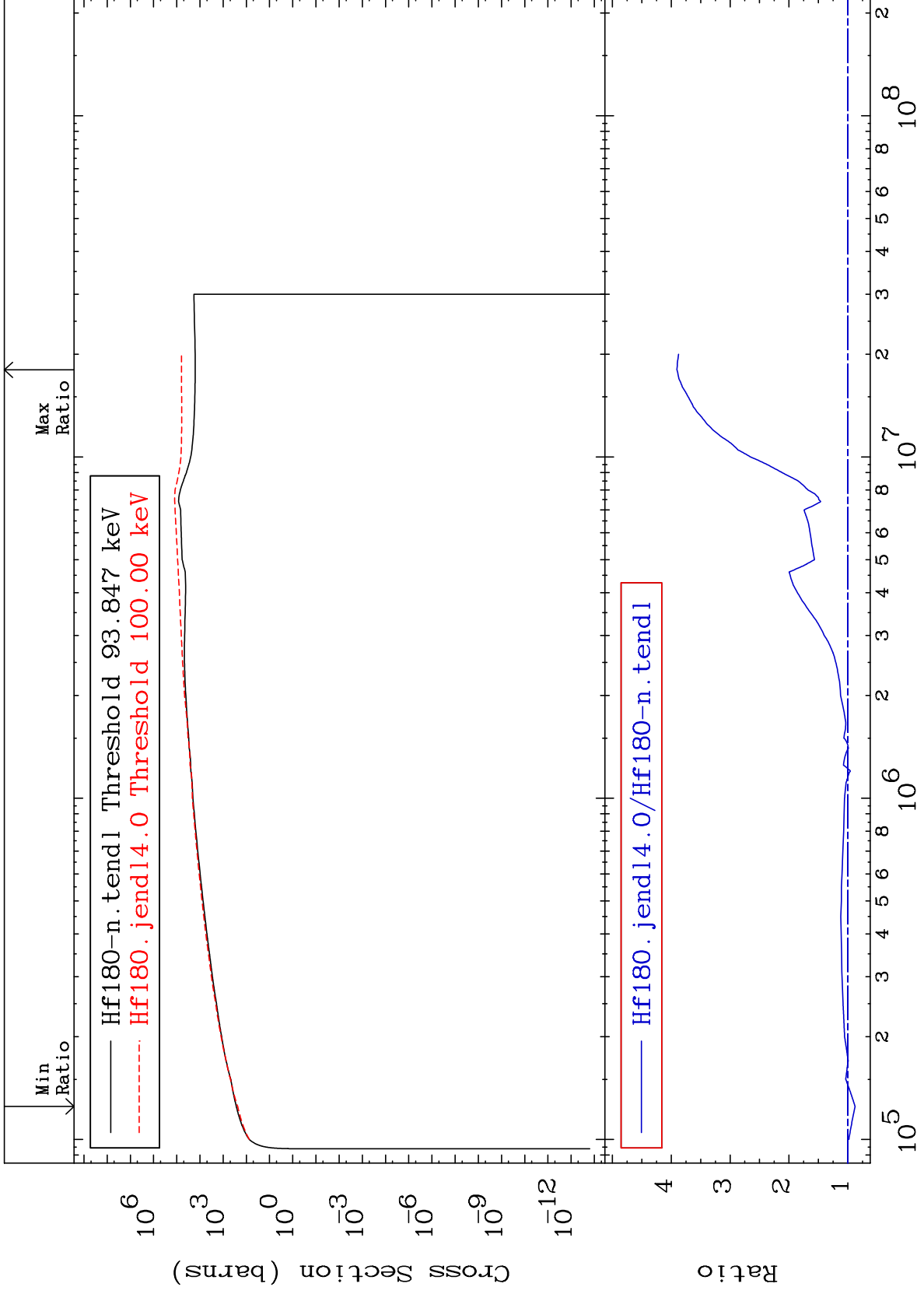
72-Hf-180
-96.60 To 9999. %



MAT 7243

Dpa inelastic (mt51-91)
Cross Section

72-Hf-180
-12.37 To 290.4 %



61

Incident Energy (eV)

72-Hf-180

MAT 7243

Dpa disappearance (mt102 -120)
Cross Section

72-Hf-180
-29.58 To 9999. %

