

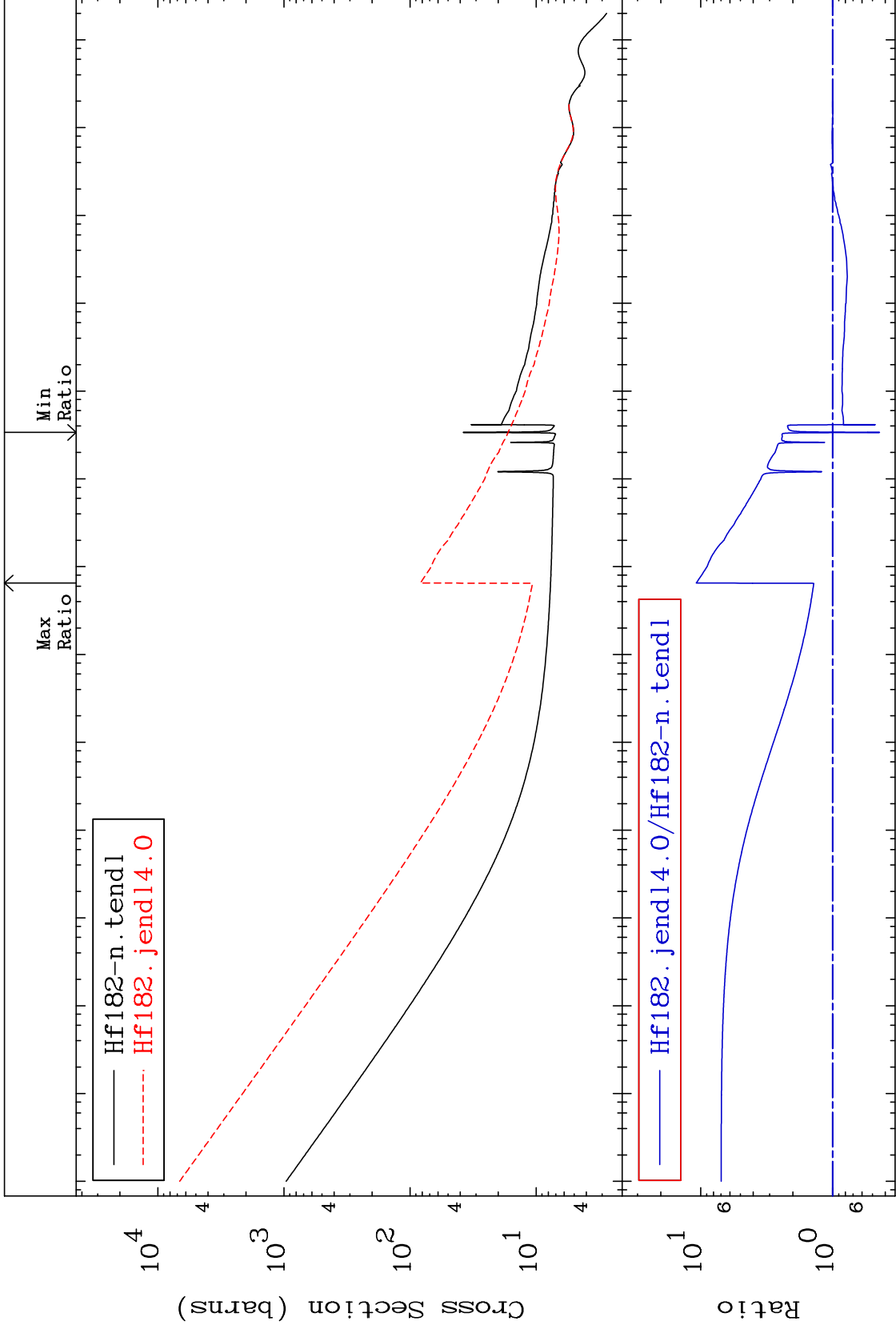
MAT 7249

Total

72-Hf-182

Cross Section

-55.83 To 978.8 %



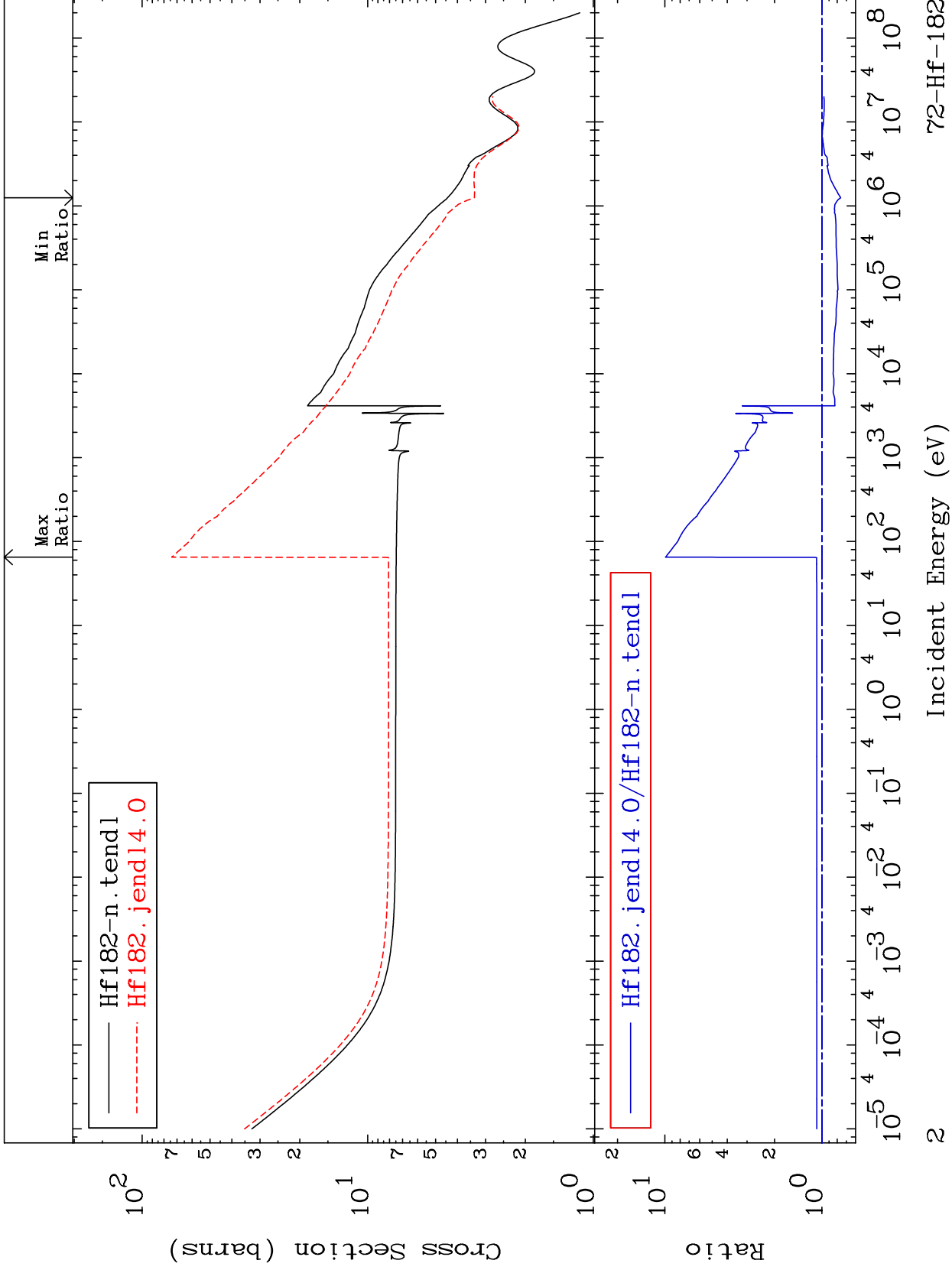
Incident Energy (eV)

72-Hf-182

MAT 7249

Elastic
Cross Section

72-Hf-182
-24.00 To 890.3 %



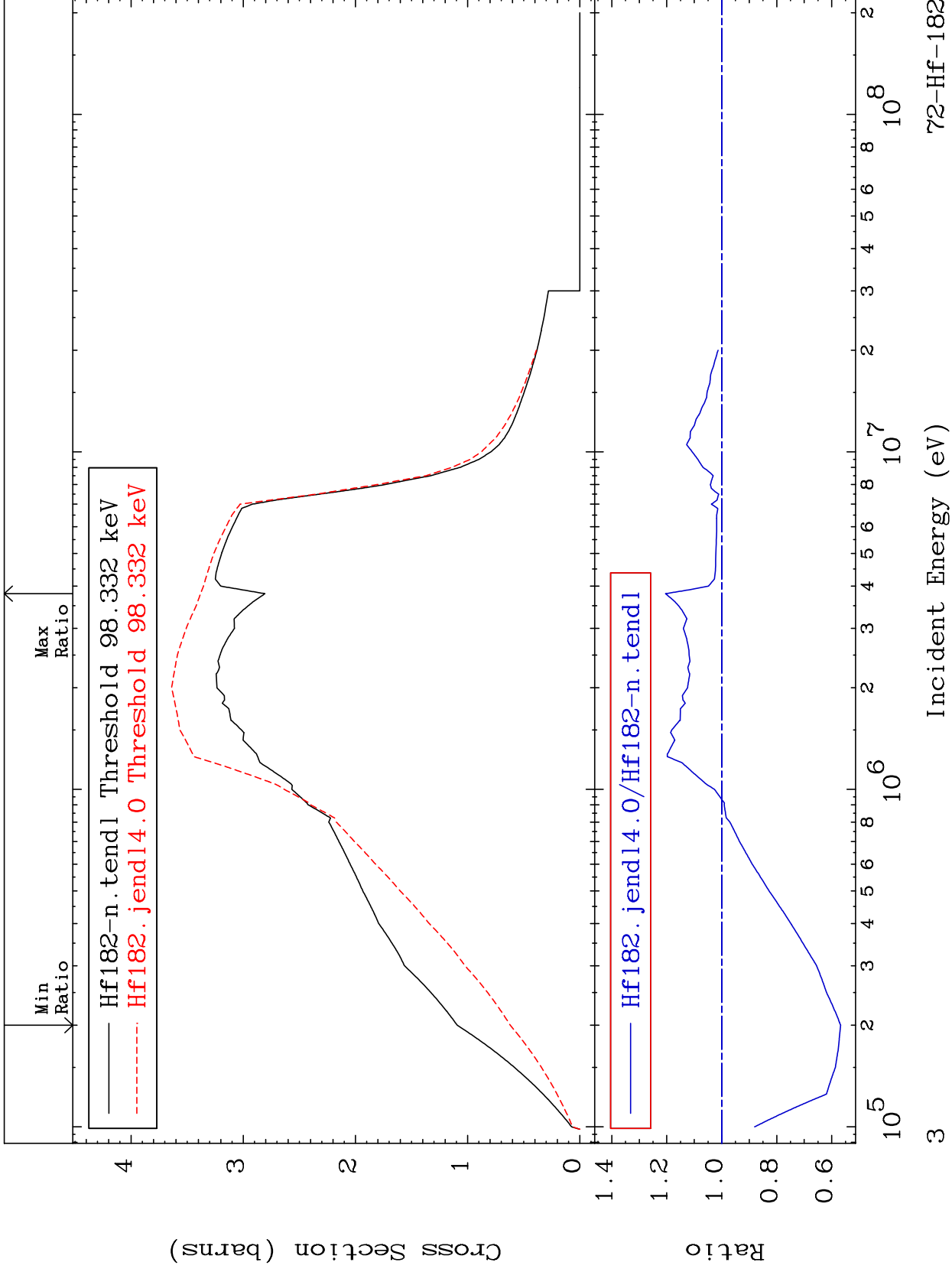
Incident Energy (eV)

72-Hf-182

MAT 7249

72-Hf-182
-43.24 To 20.46 %

Inelastic
Cross Section



72-Hf-182

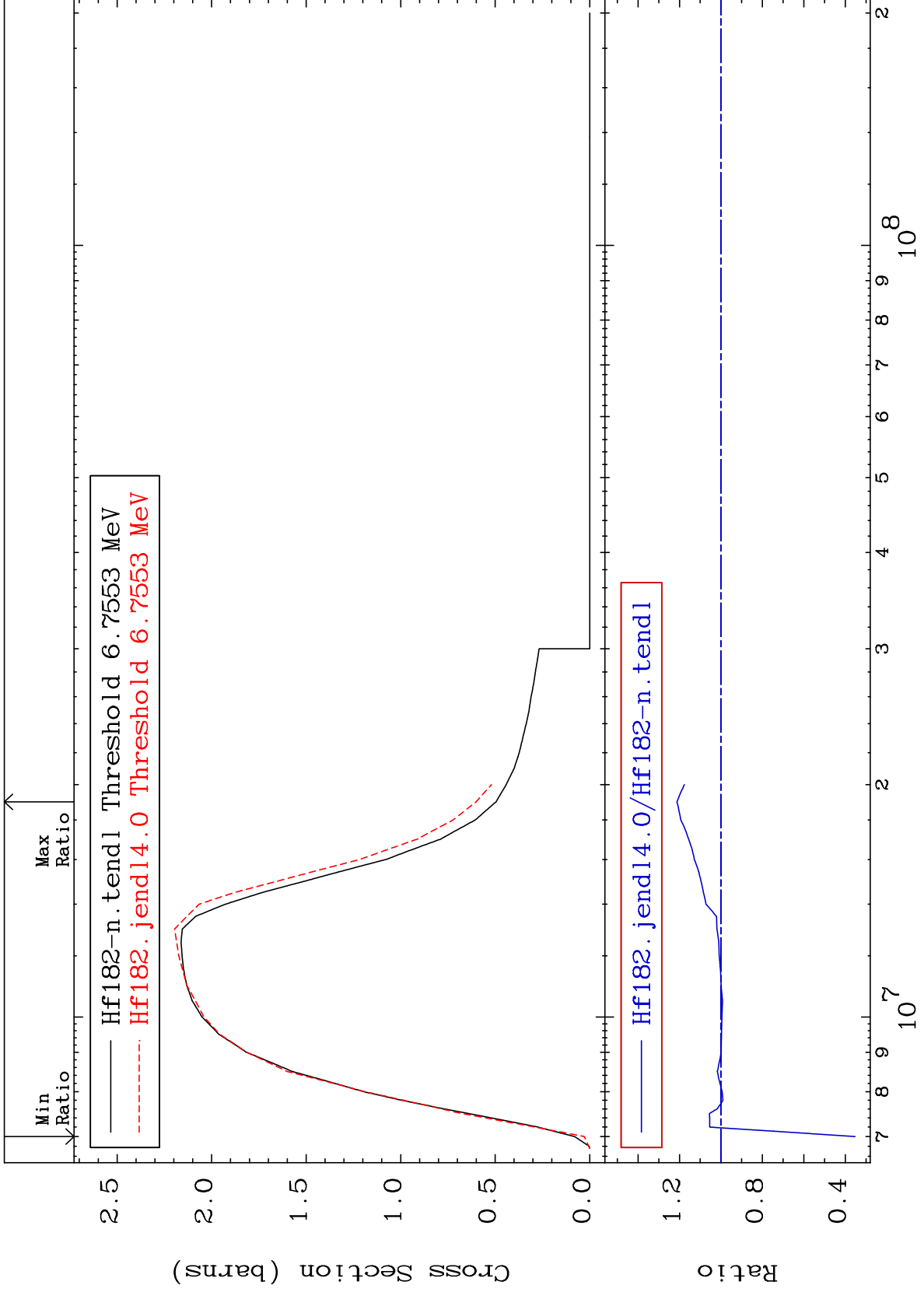
Incident Energy (eV)

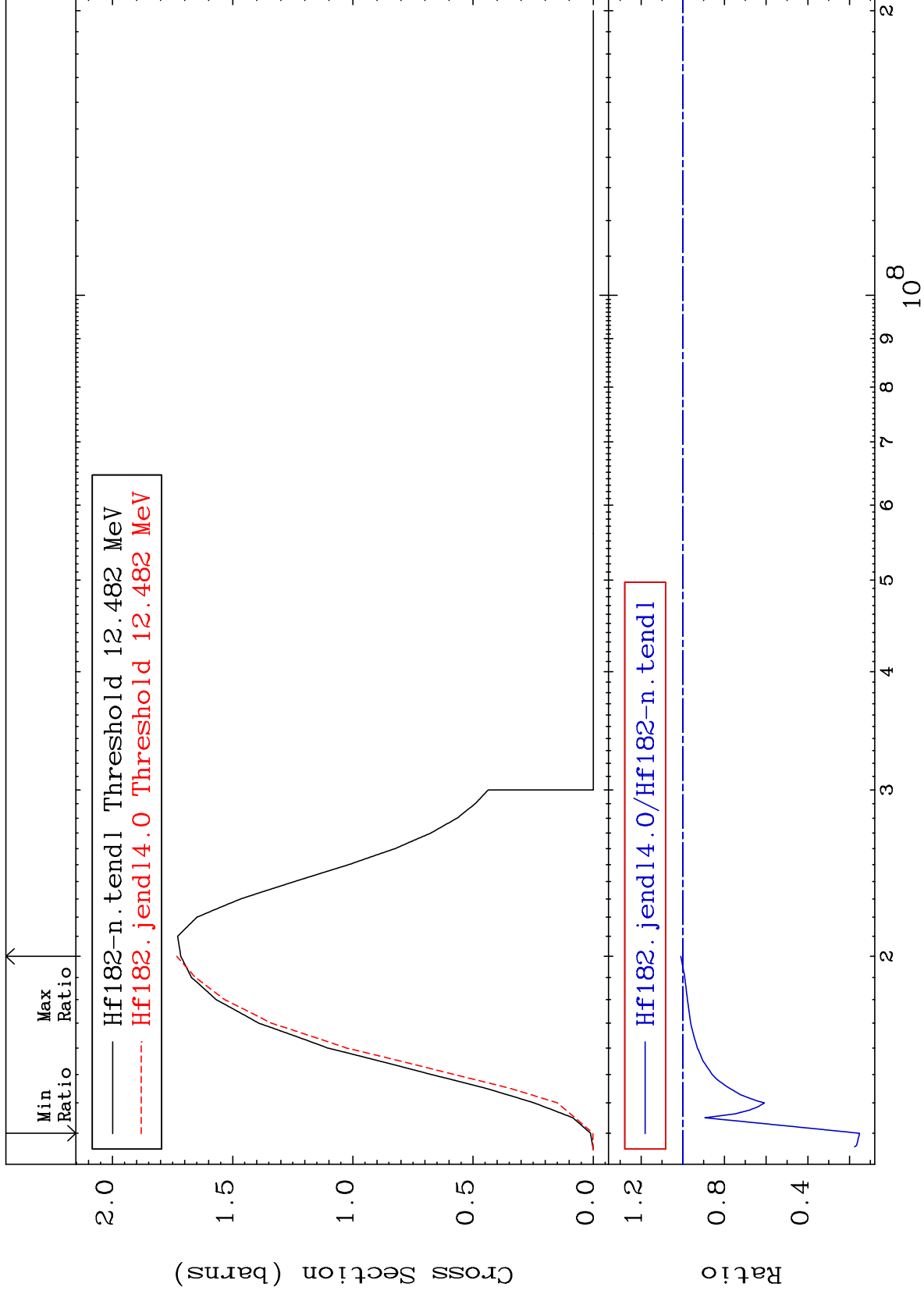
3

MAT 7249

(n,2n)
Cross Section

72-Hf-182
-64.74 To 21.24 %

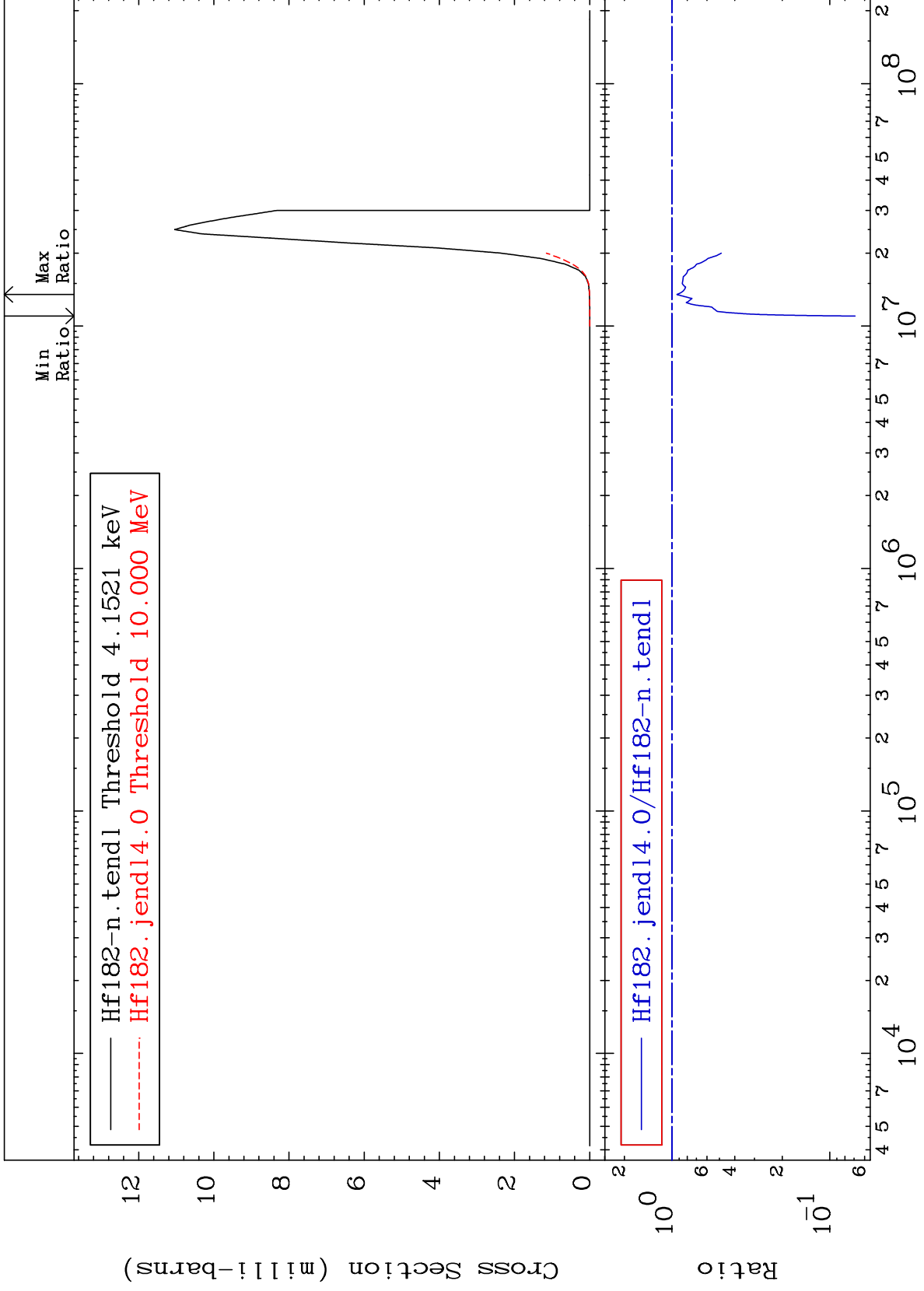




MAT 7249

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

72-Hf-182
-93.10 To -7.108%



6

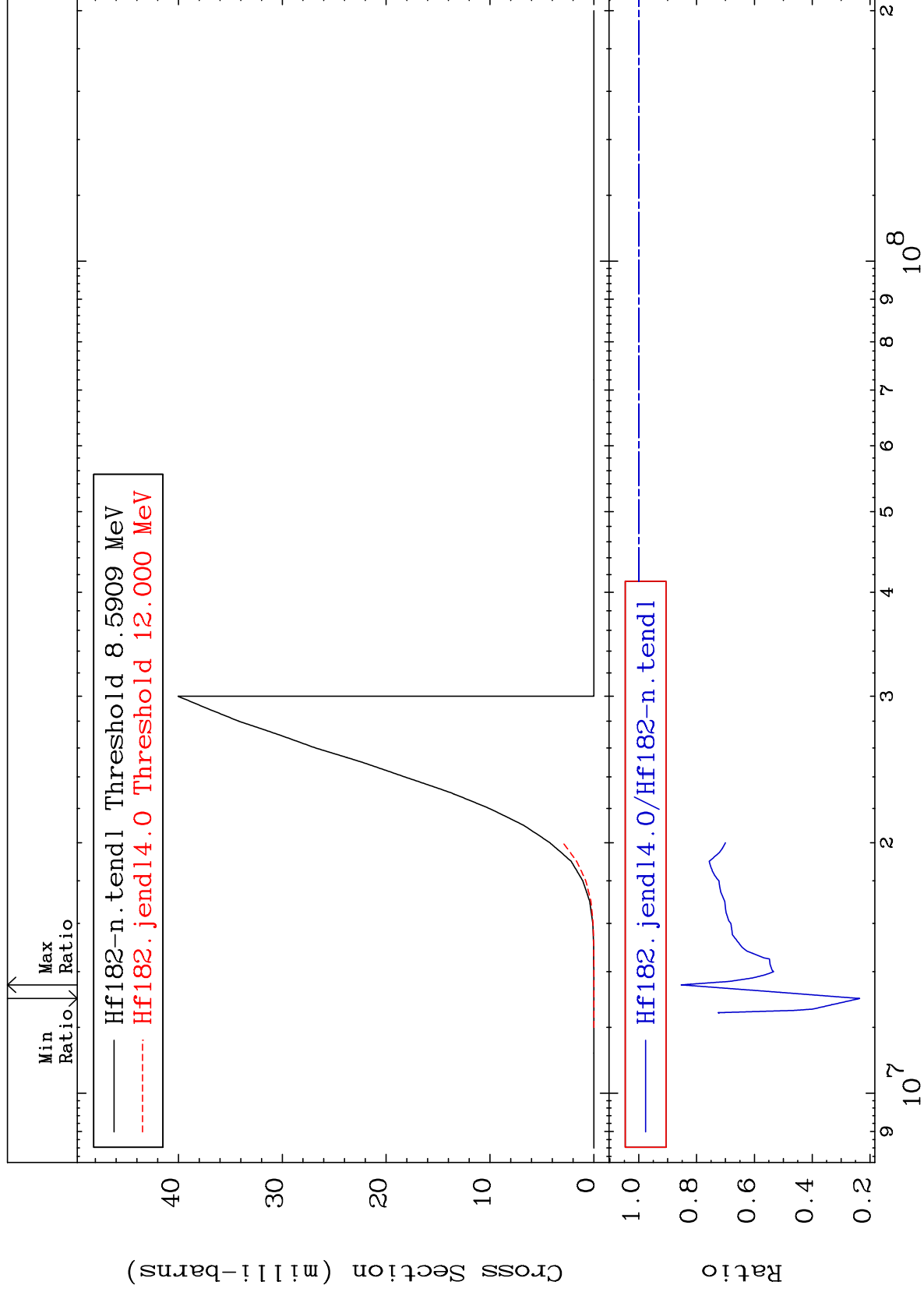
Incident Energy (eV)

72-Hf-182

MAT 7249

(n,n') p
Cross Section

⁷²Hf-182
-76.40 To -14.67%



7

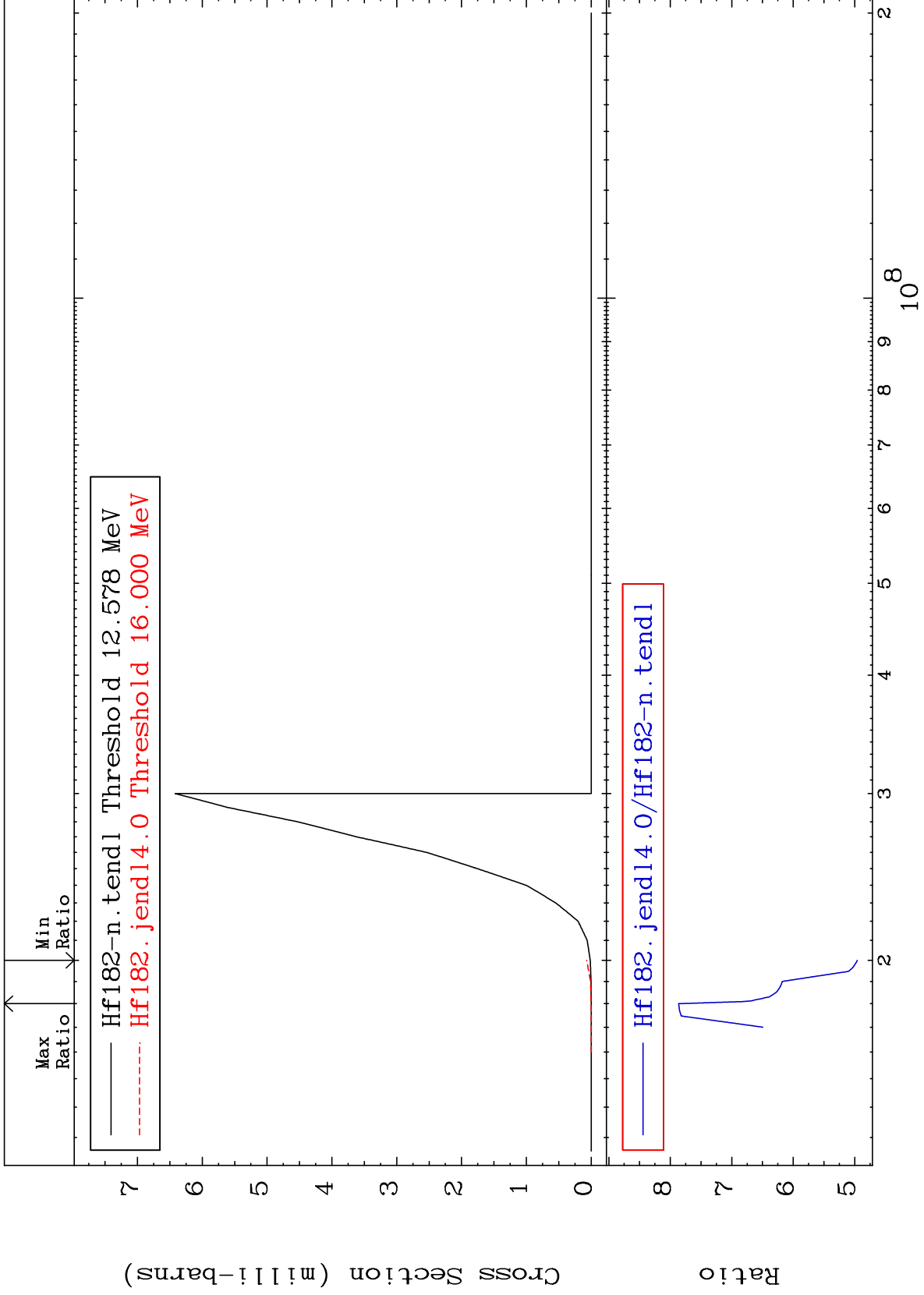
Incident Energy (eV)

⁷²Hf-182

MAT 7249

(n,n') d
Cross Section

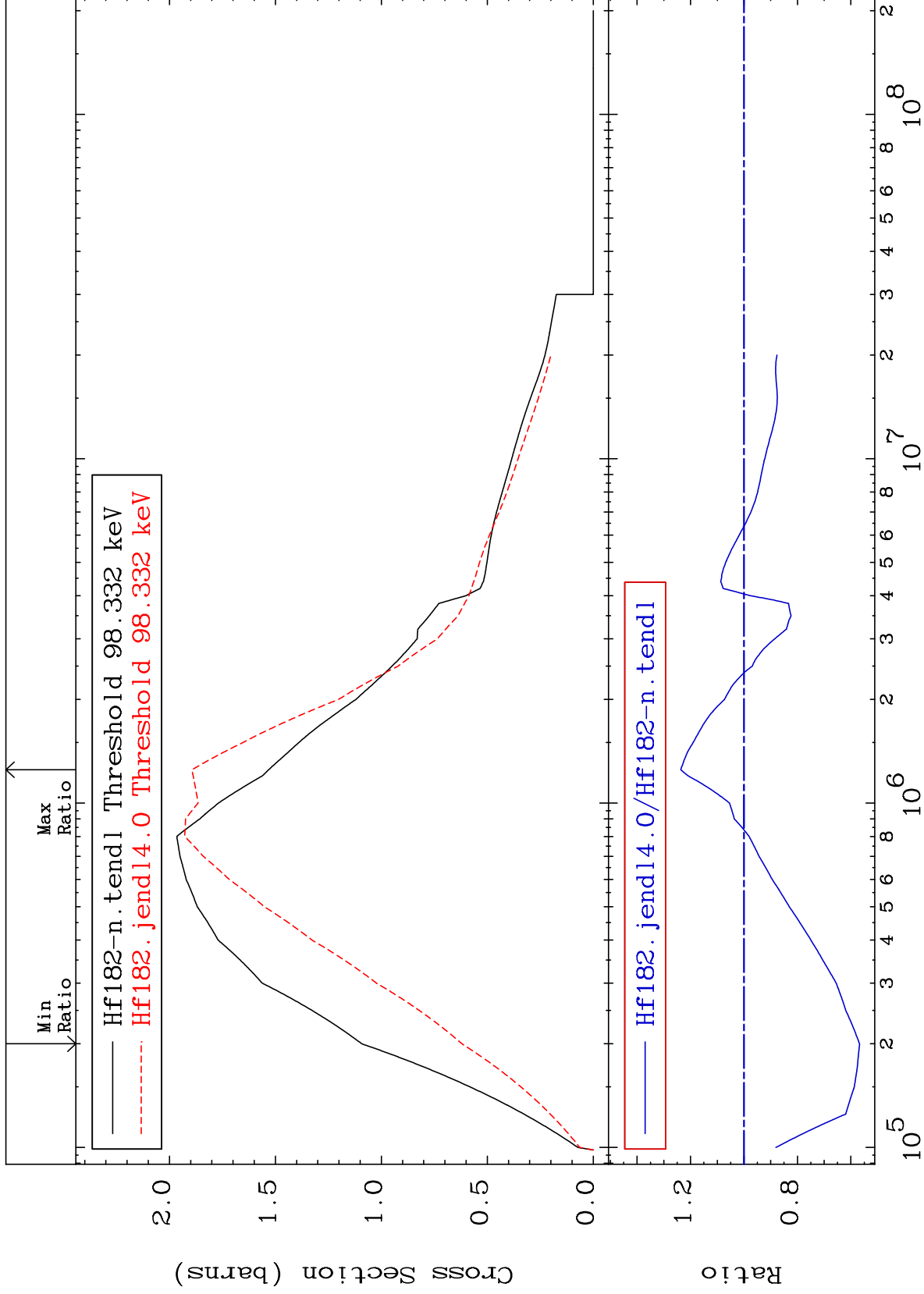
72-Hf-182
395.9 To 686.4 %



MAT 7249

97.79 keV (n,n') Level
Cross Section

72-Hf-182
-43.24 To 23.66 %



9

Incident Energy (eV)

72-Hf-182

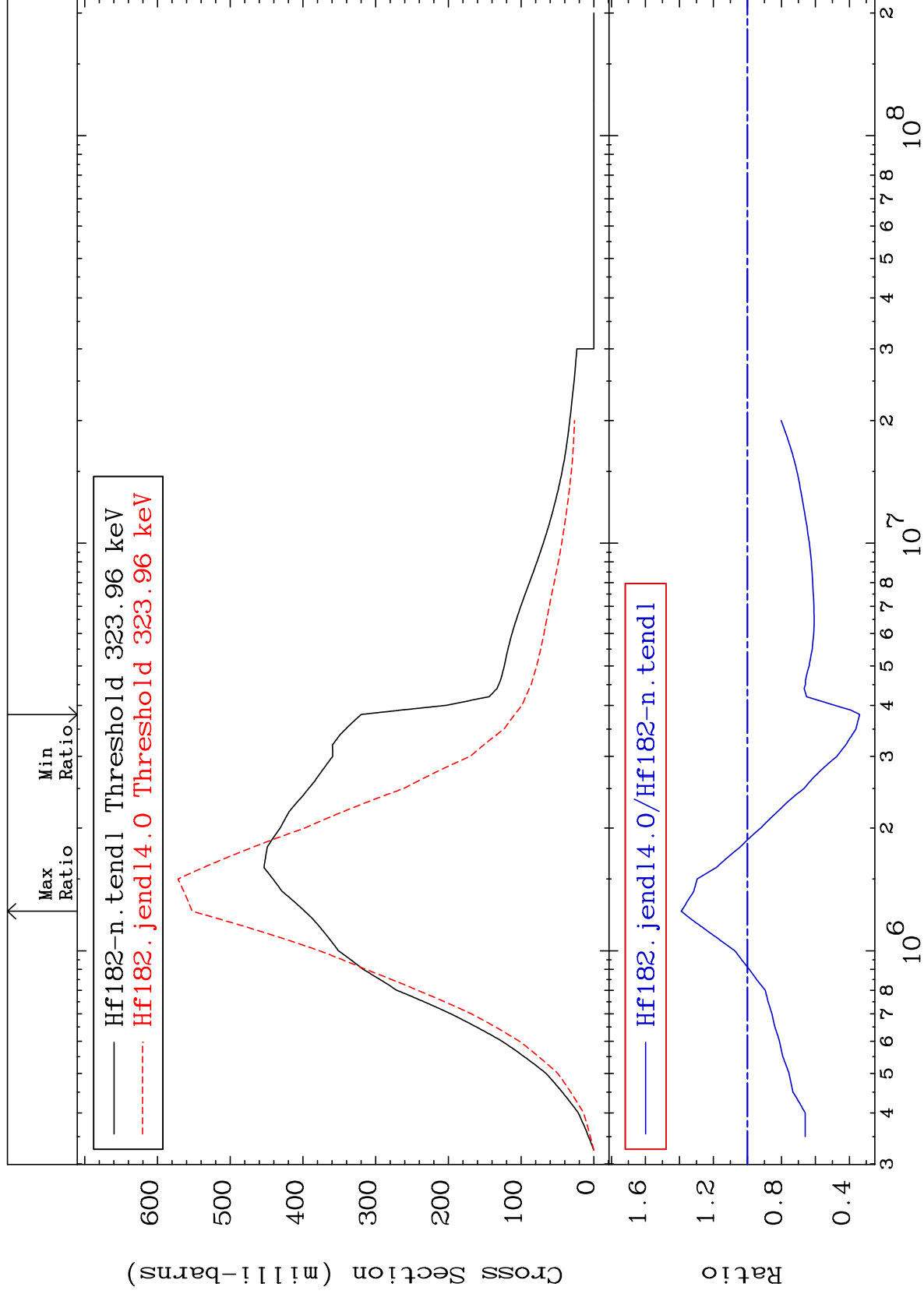
MAT 7249

322.2 keV (n,n') Level

72-Hf-182

-66.03 To 38.96 %

Cross Section



10

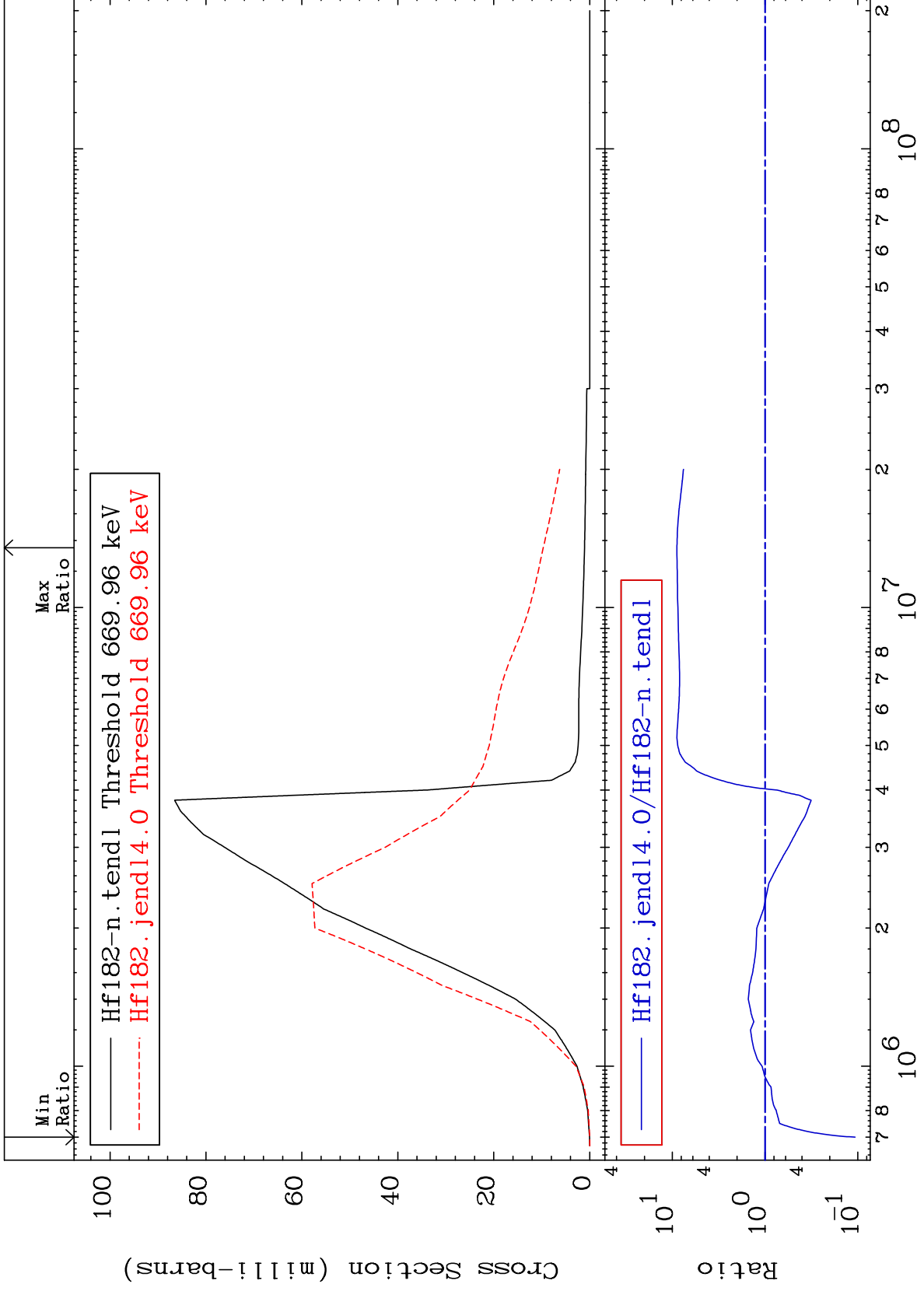
Incident Energy (eV)

72-Hf-182

MAT 7249

666.3 keV (n,n') Level
Cross Section

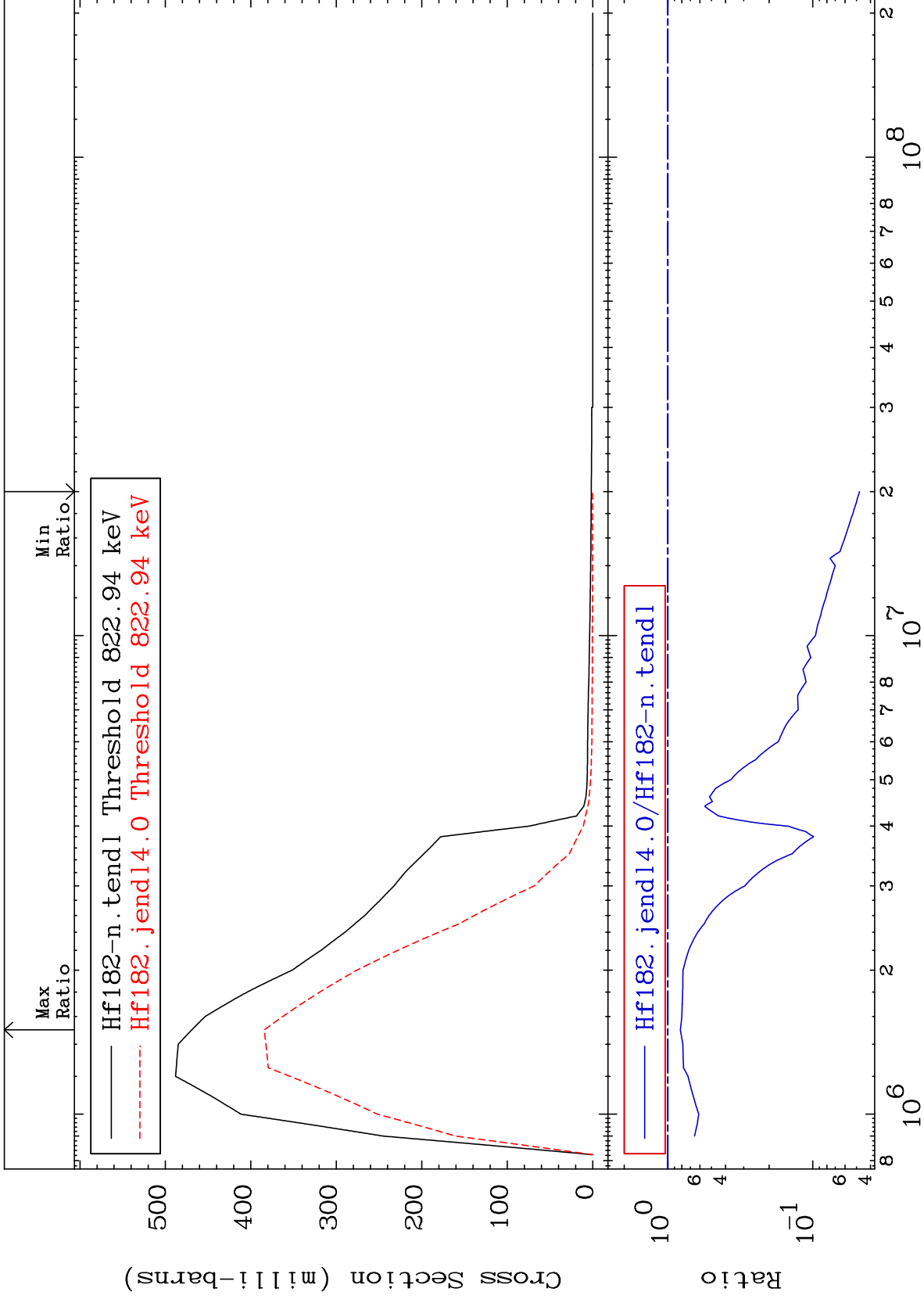
72-Hf-182
-89.33 To 792.0 %



MAT 7249

818.4 keV (n,n') Level
Cross Section

72-Hf-182
-95.23 To -18.10%



12

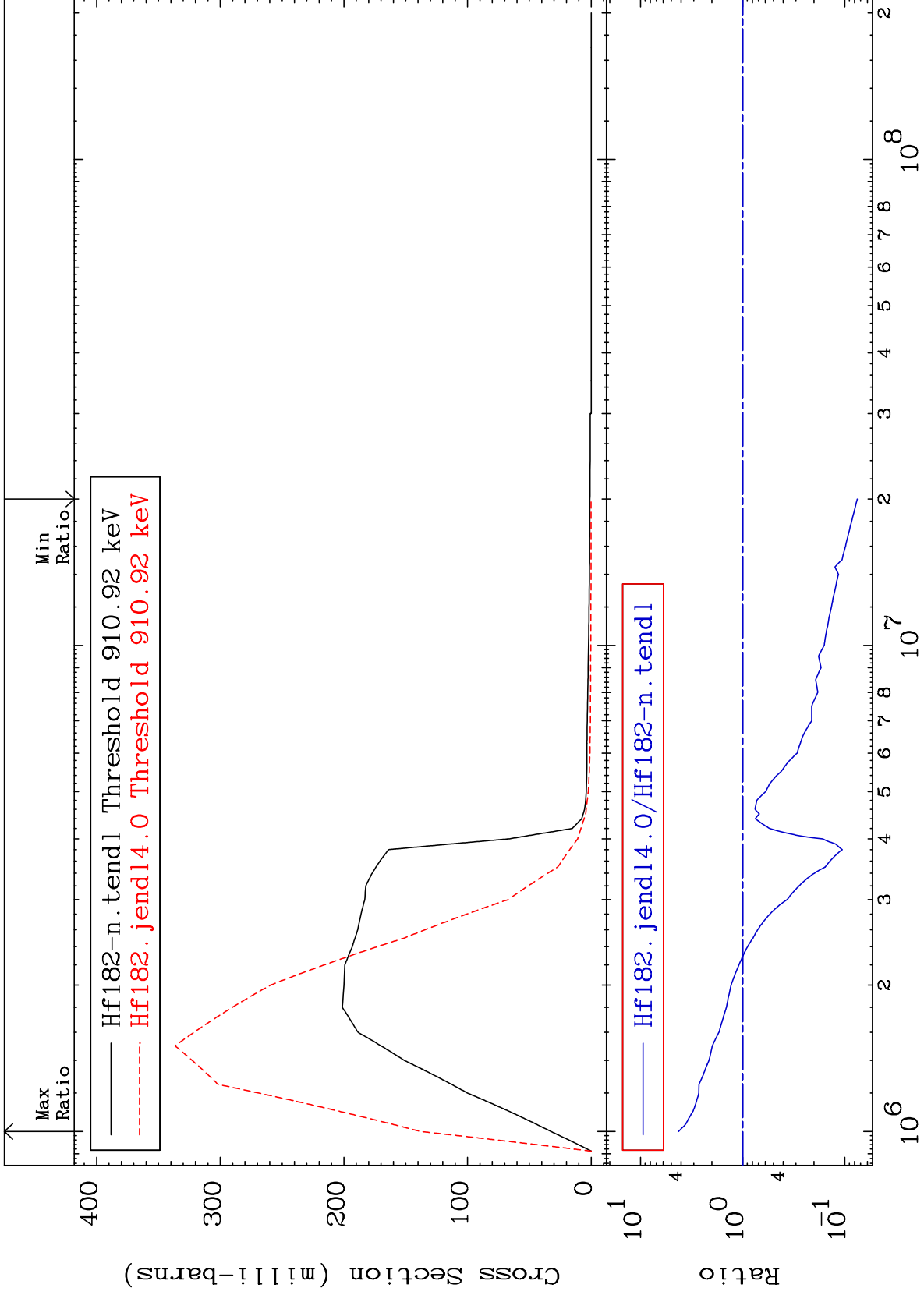
Incident Energy (eV)

72-Hf-182

MAT 7249

905.9 keV (n,n') Level
Cross Section

72-Hf-182
-92.46 To 323.0 %



13

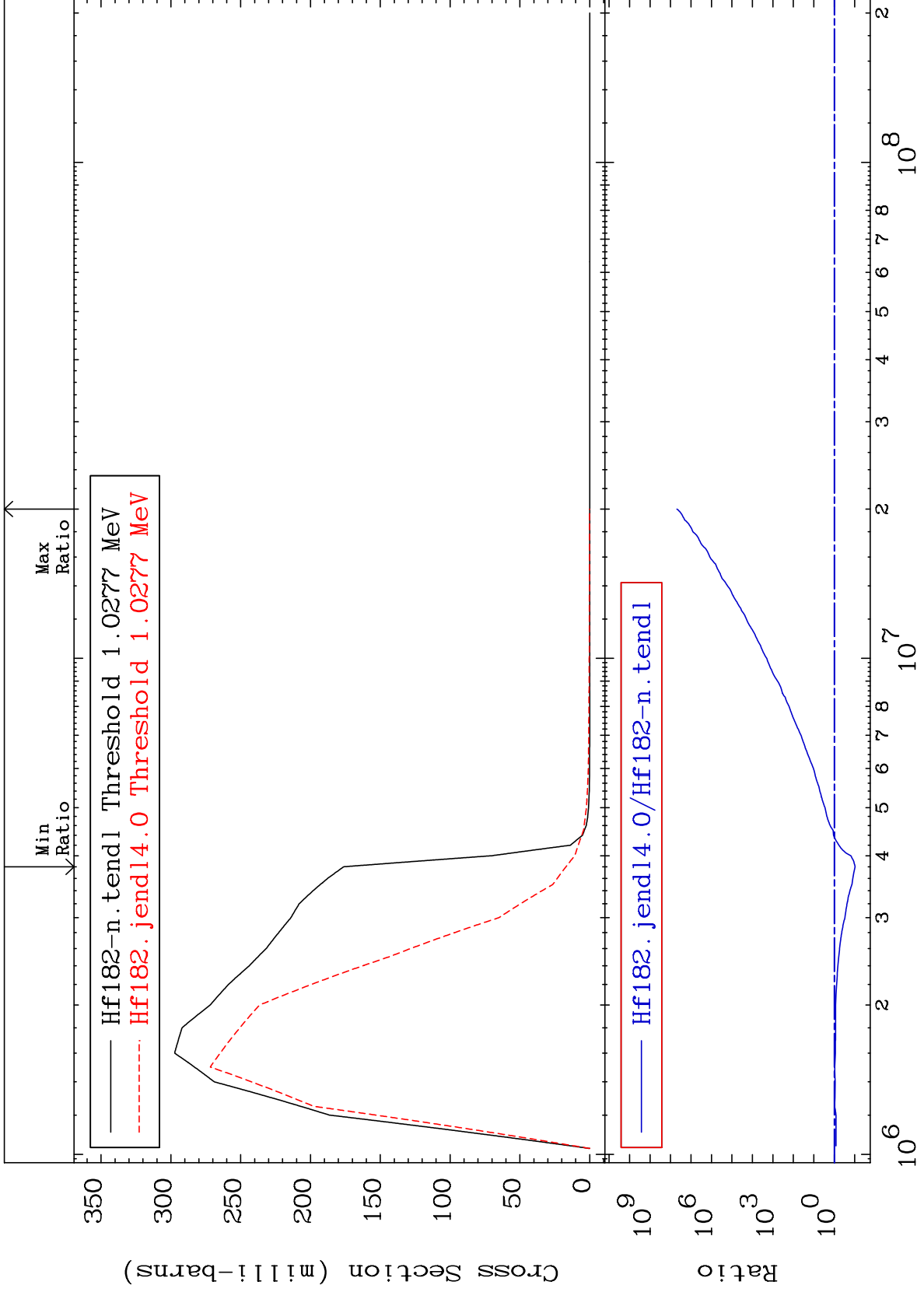
72-Hf-182

72-Hf-182

MAT 7249

1.022 MeV (n,n') Level
Cross Section

72-Hf-182
-90.35 To 9999. %



14

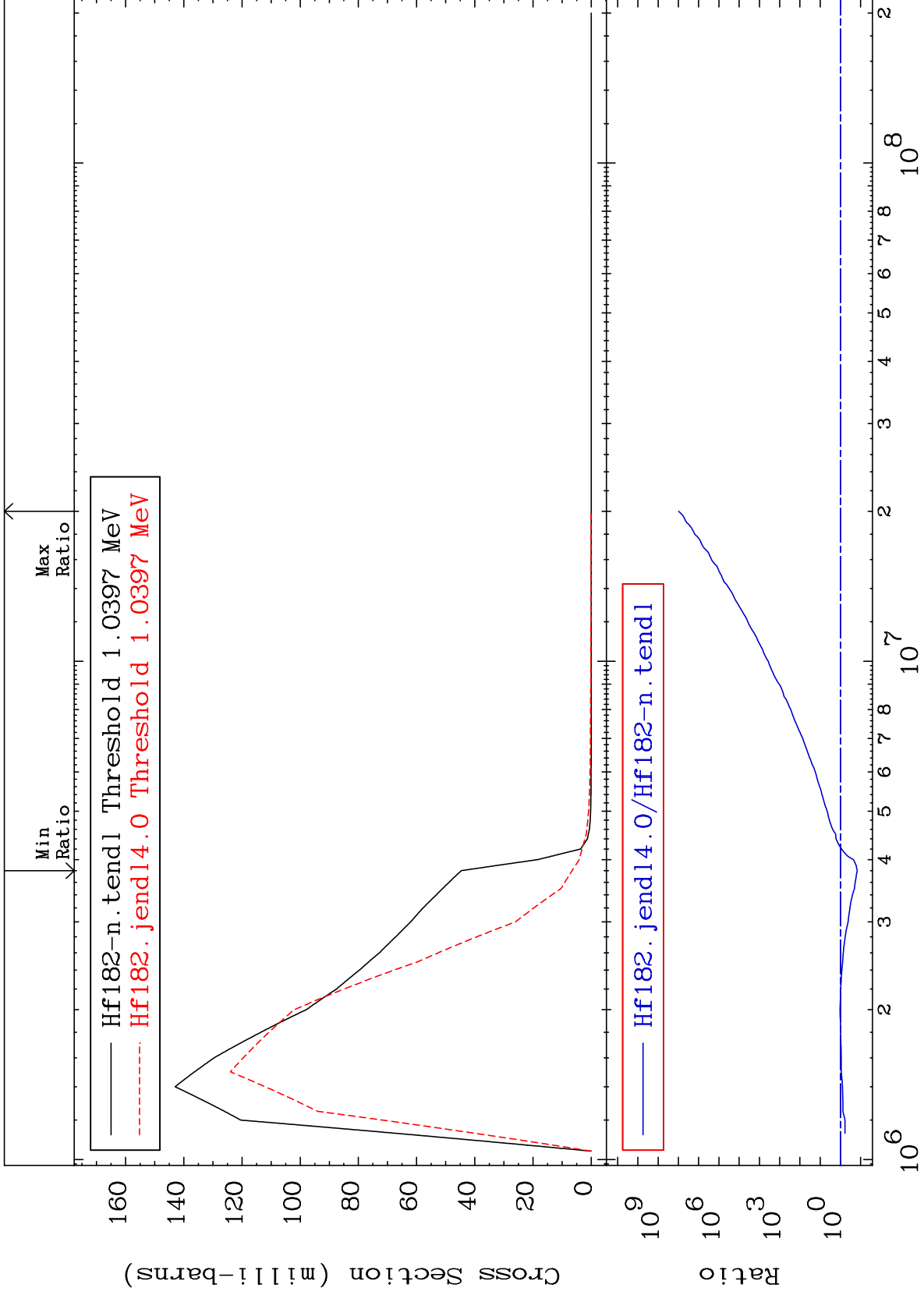
Incident Energy (eV)

72-Hf-182

MAT 7249

1.034 MeV (n,n') Level
Cross Section

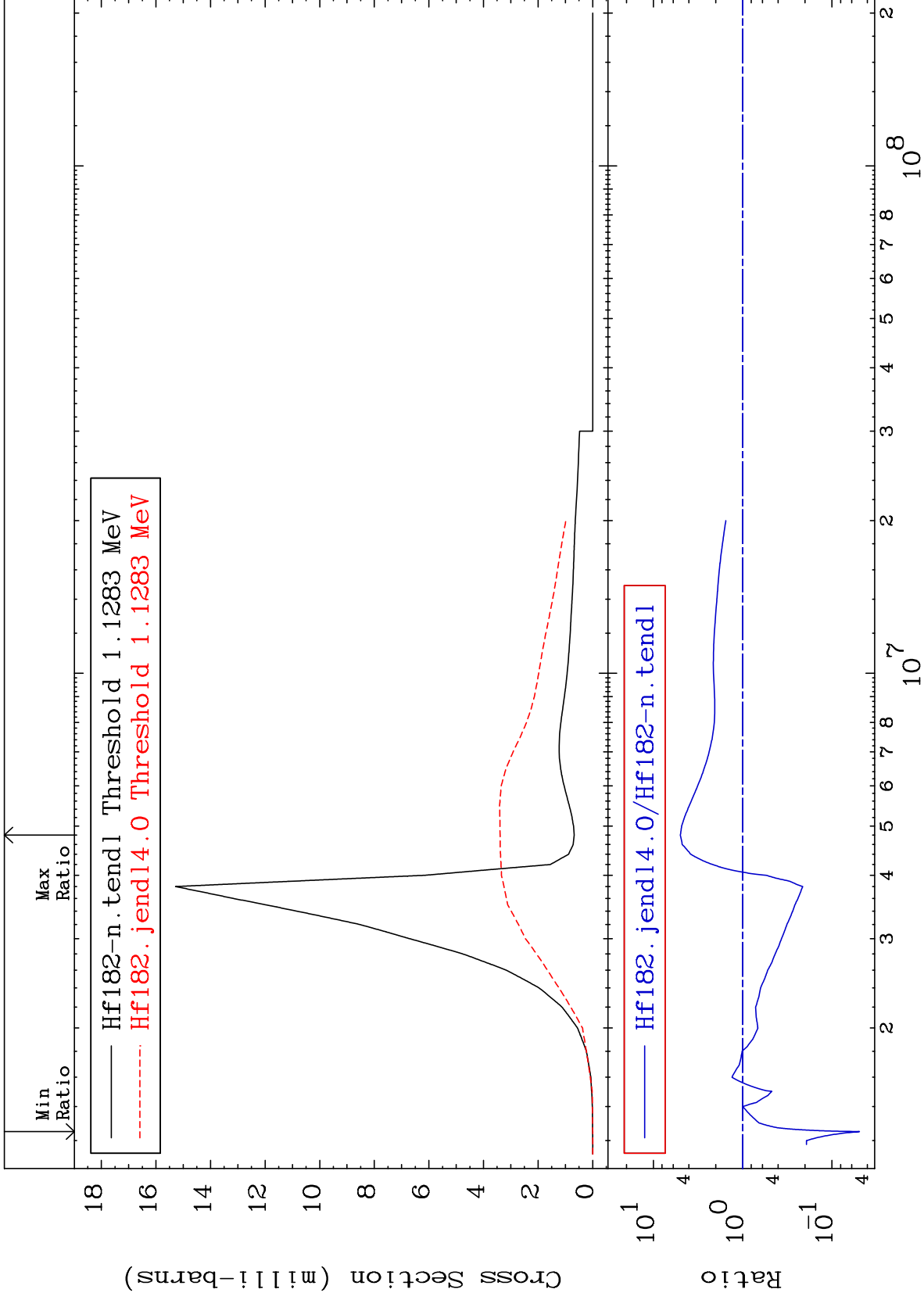
72-Hf-182
-85.24 To 9999. %



15

Incident Energy (eV)

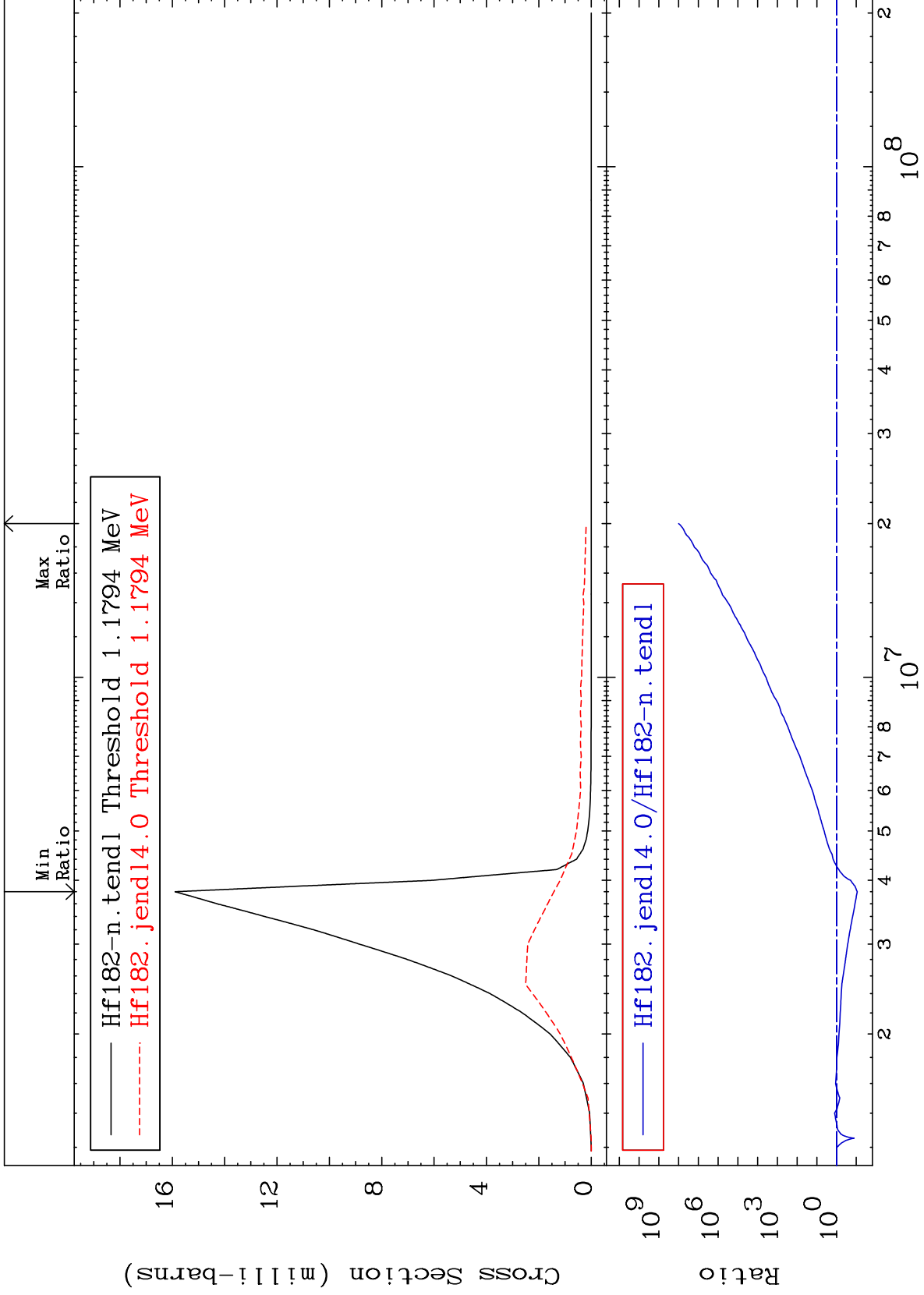
72-Hf-182

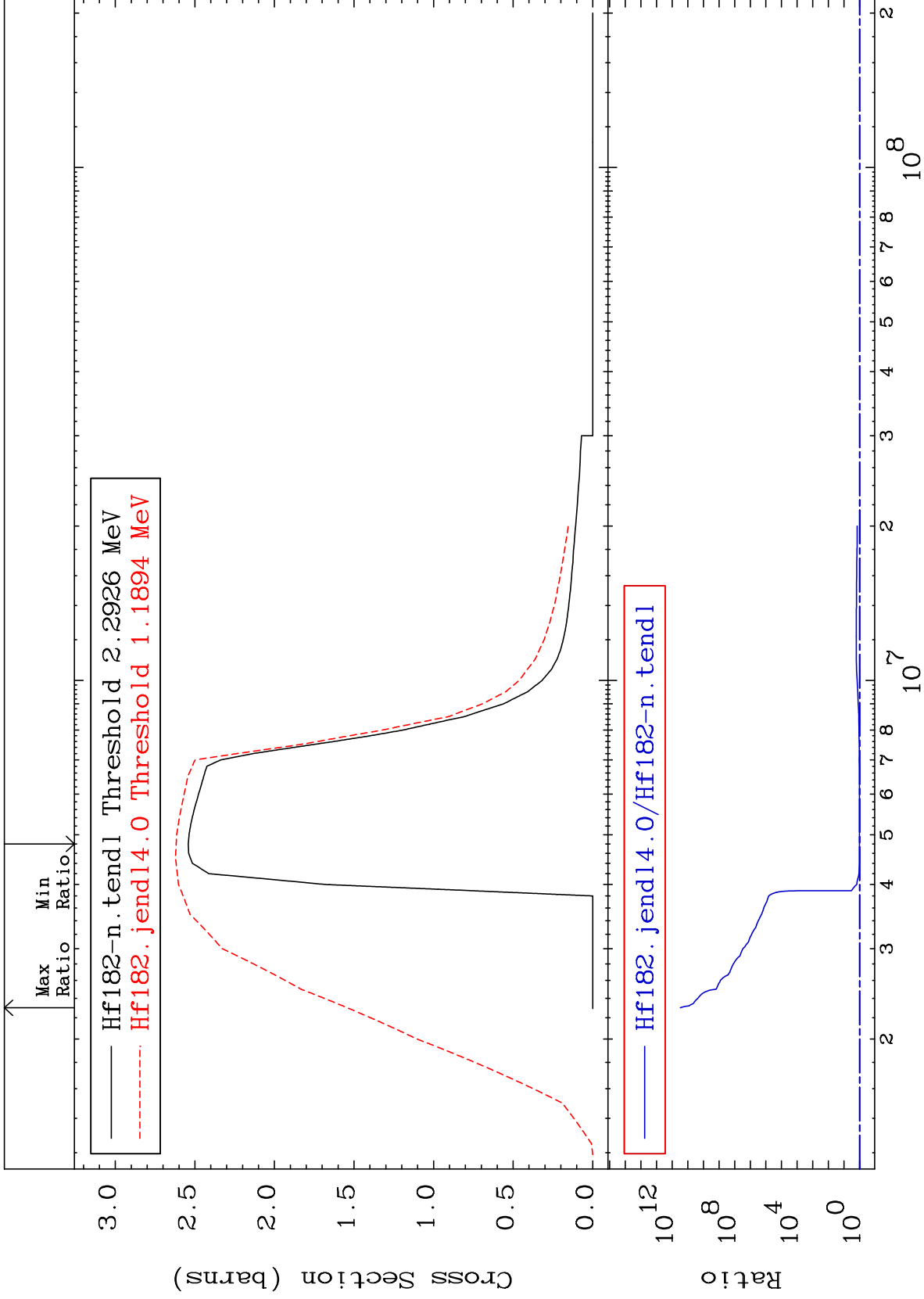


MAT 7249

1.173 MeV (n,n') Level
Cross Section

72-Hf-182
-91.05 To 9999. %

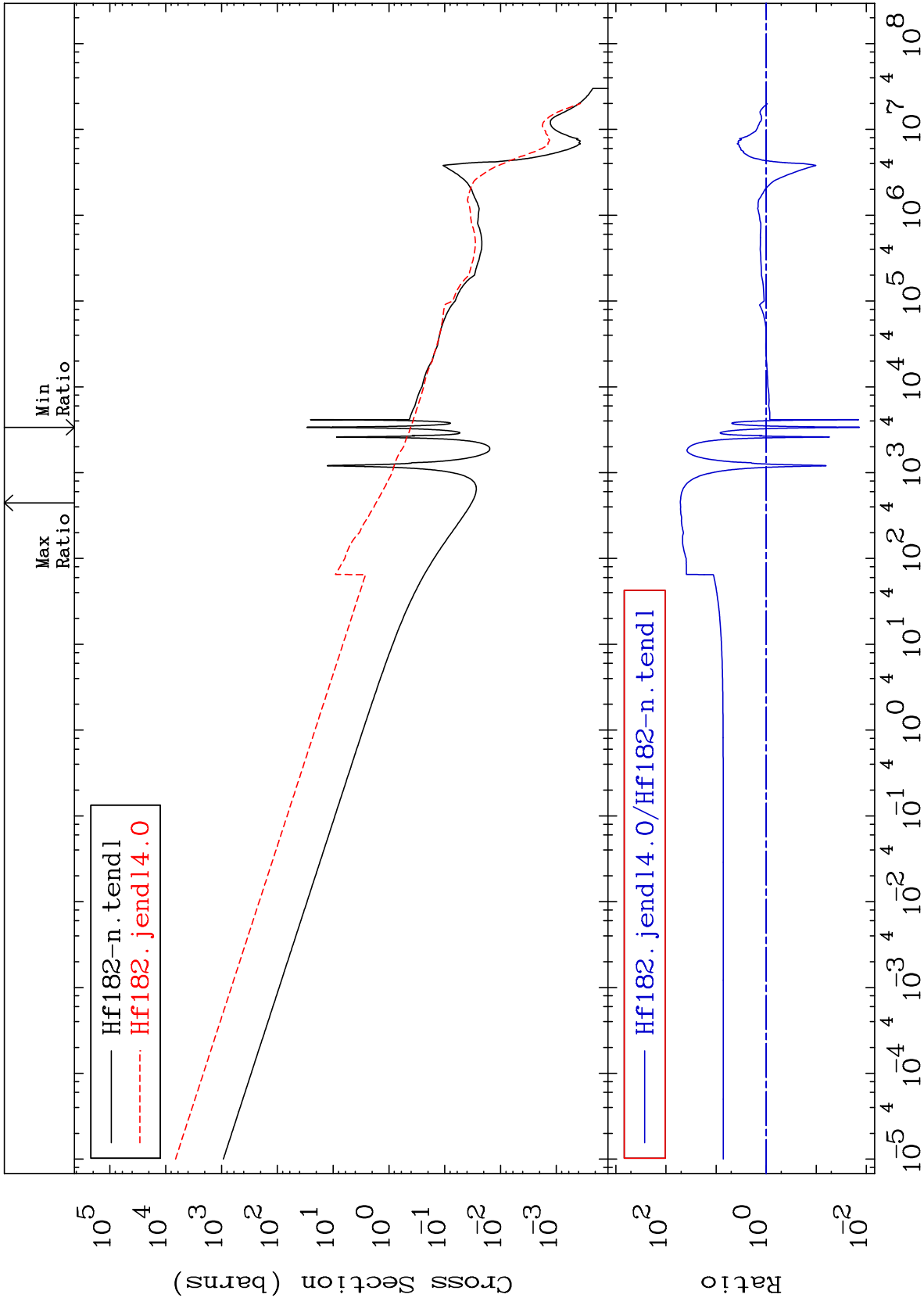




MAT 7249

(n, γ)
Cross Section

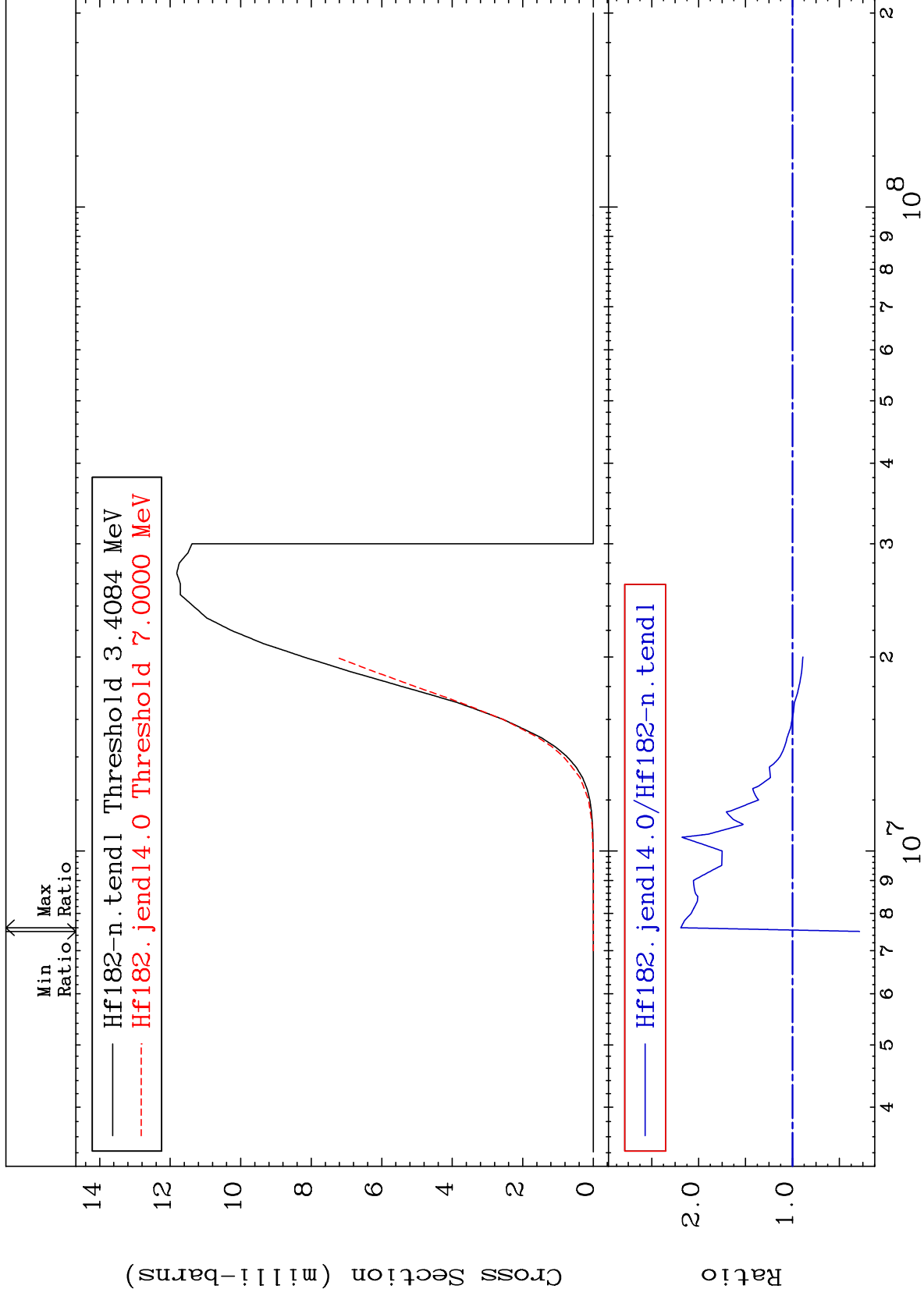
72-Hf-182
-98.62 To 5067. %



MAT 7249

(n, p)
Cross Section

⁷²Hf-182
-71.48 To 119.0 %



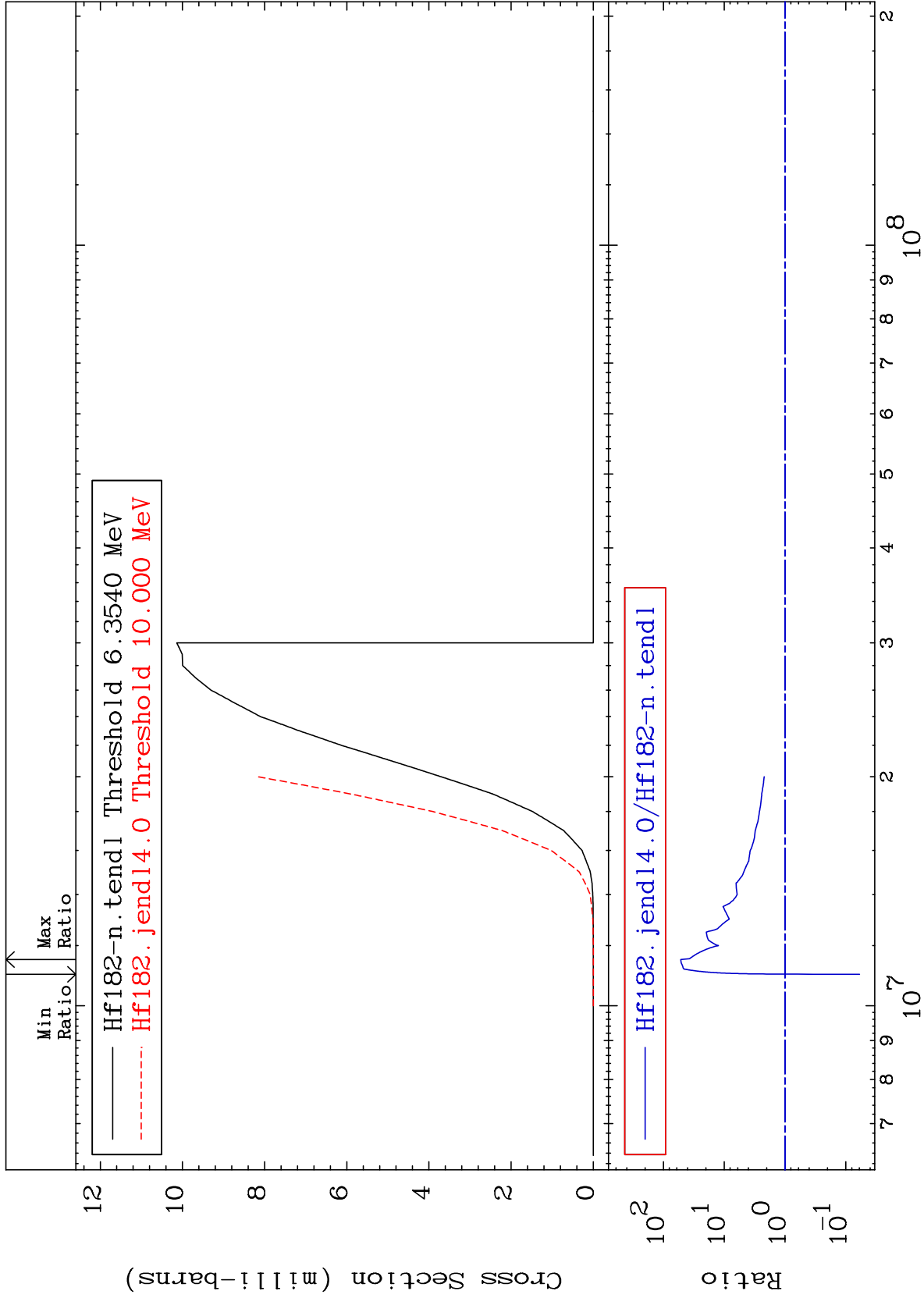
20

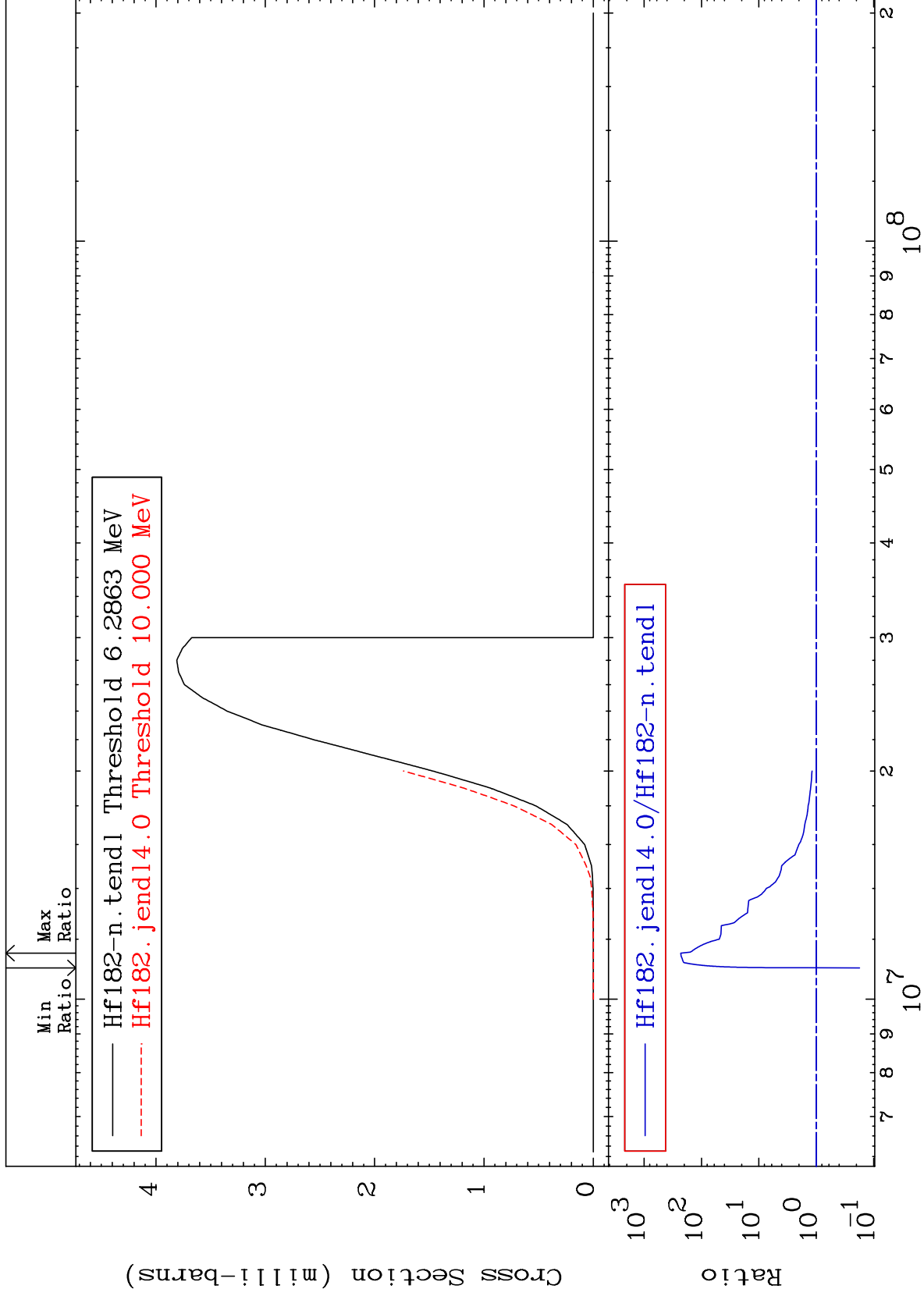
Incident Energy (eV)

⁷²Hf-182

Cross Section

-94.04 To 5075. %





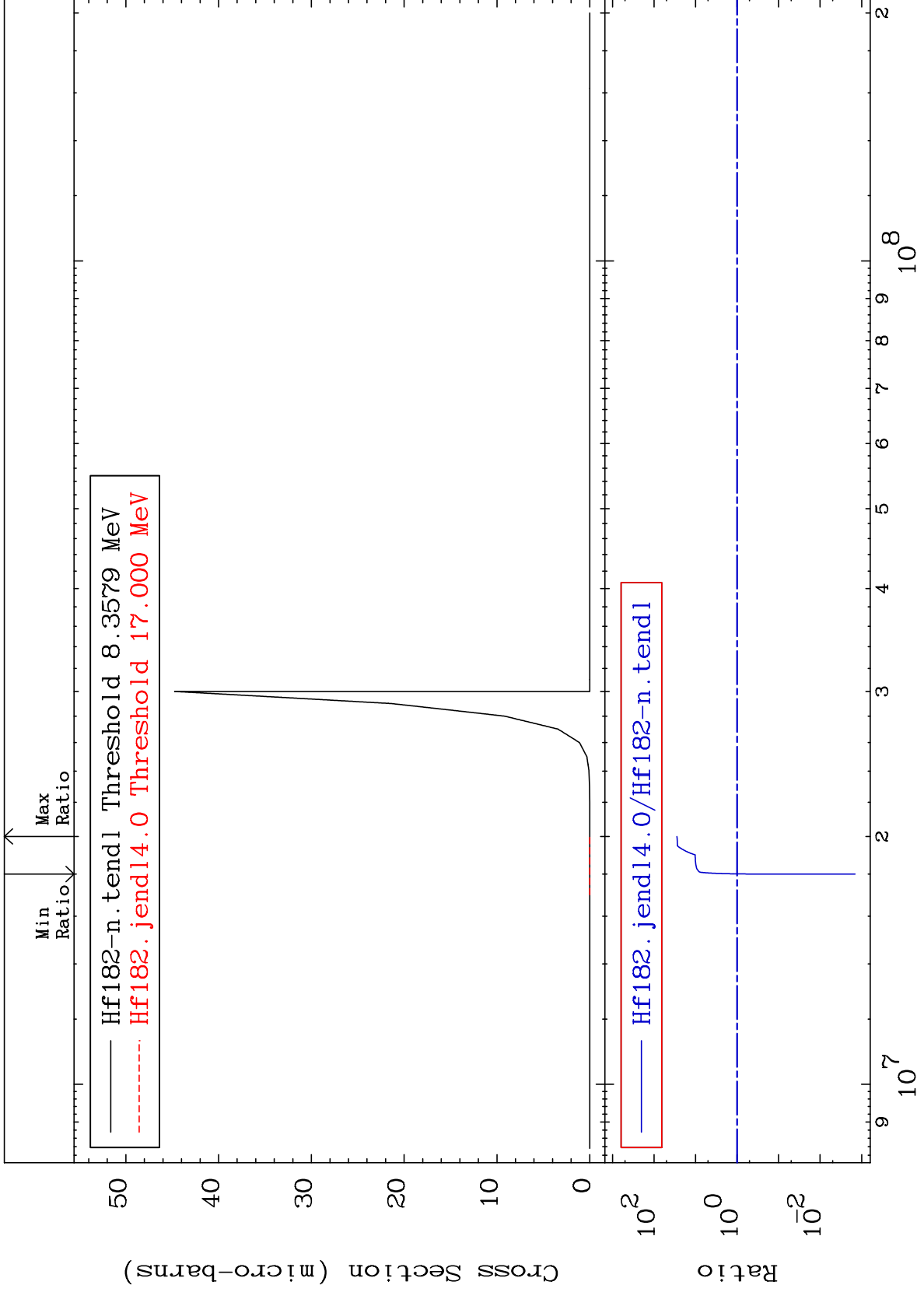
MAT 7249

(n, He-3)

72-Hf-182

Cross Section

-99.86 To 2707. %



23

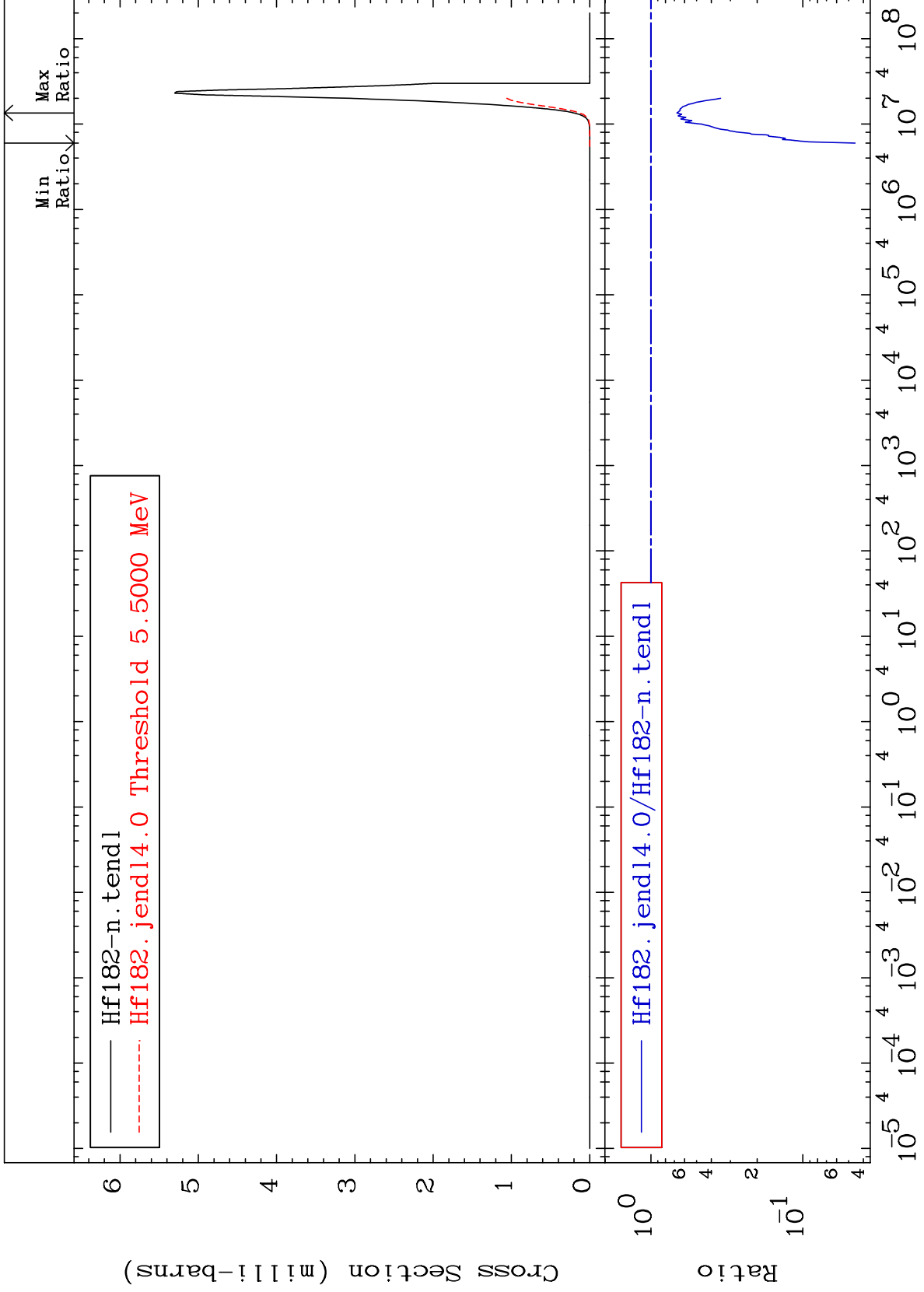
Incident Energy (eV)

72-Hf-182

MAT 7249

(n, α)
Cross Section

72-Hf-182
-95.47 To -32.64%



24

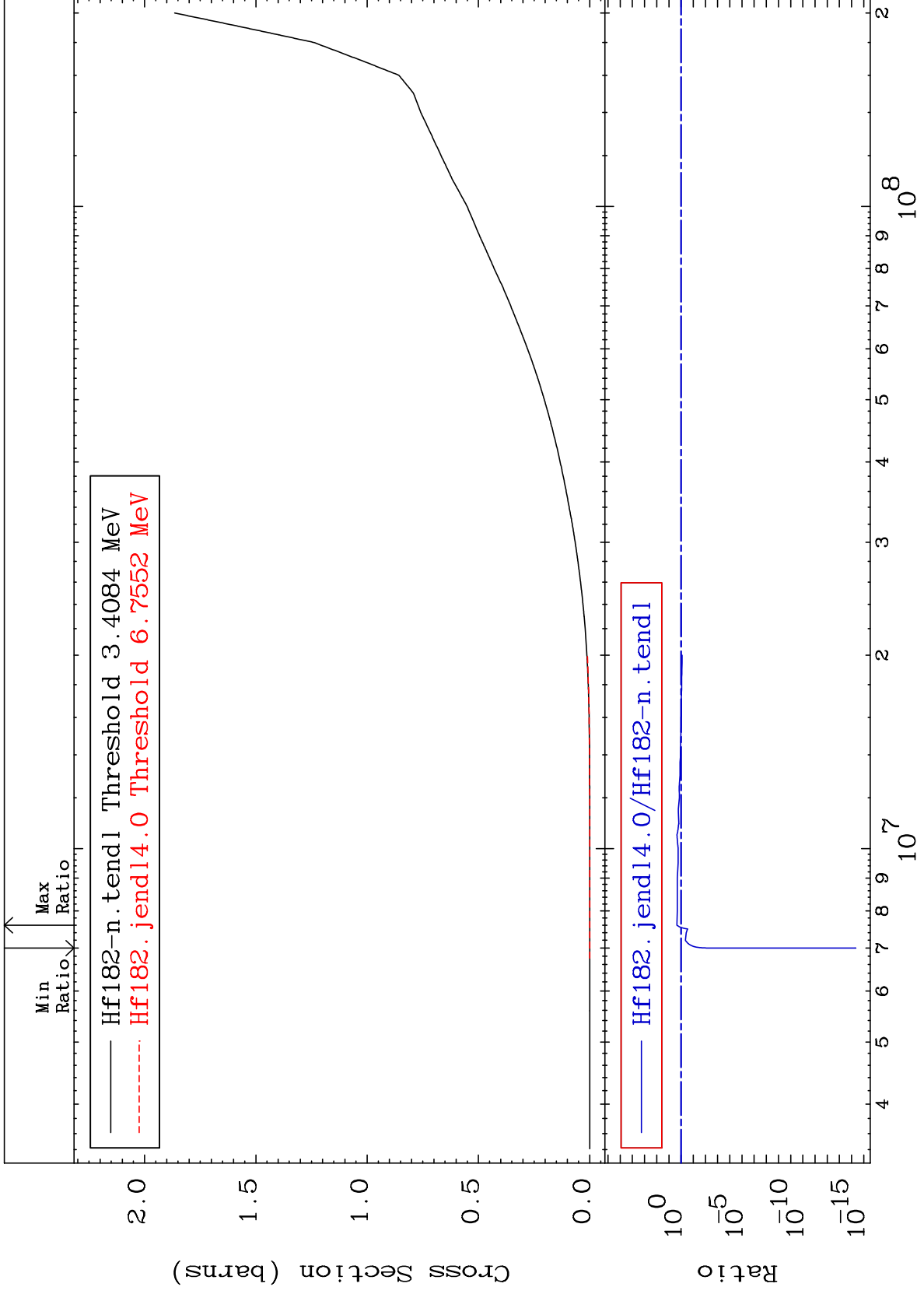
Incident Energy (eV)

72-Hf-182

MAT 7249

Hydrogen Production
Cross Section

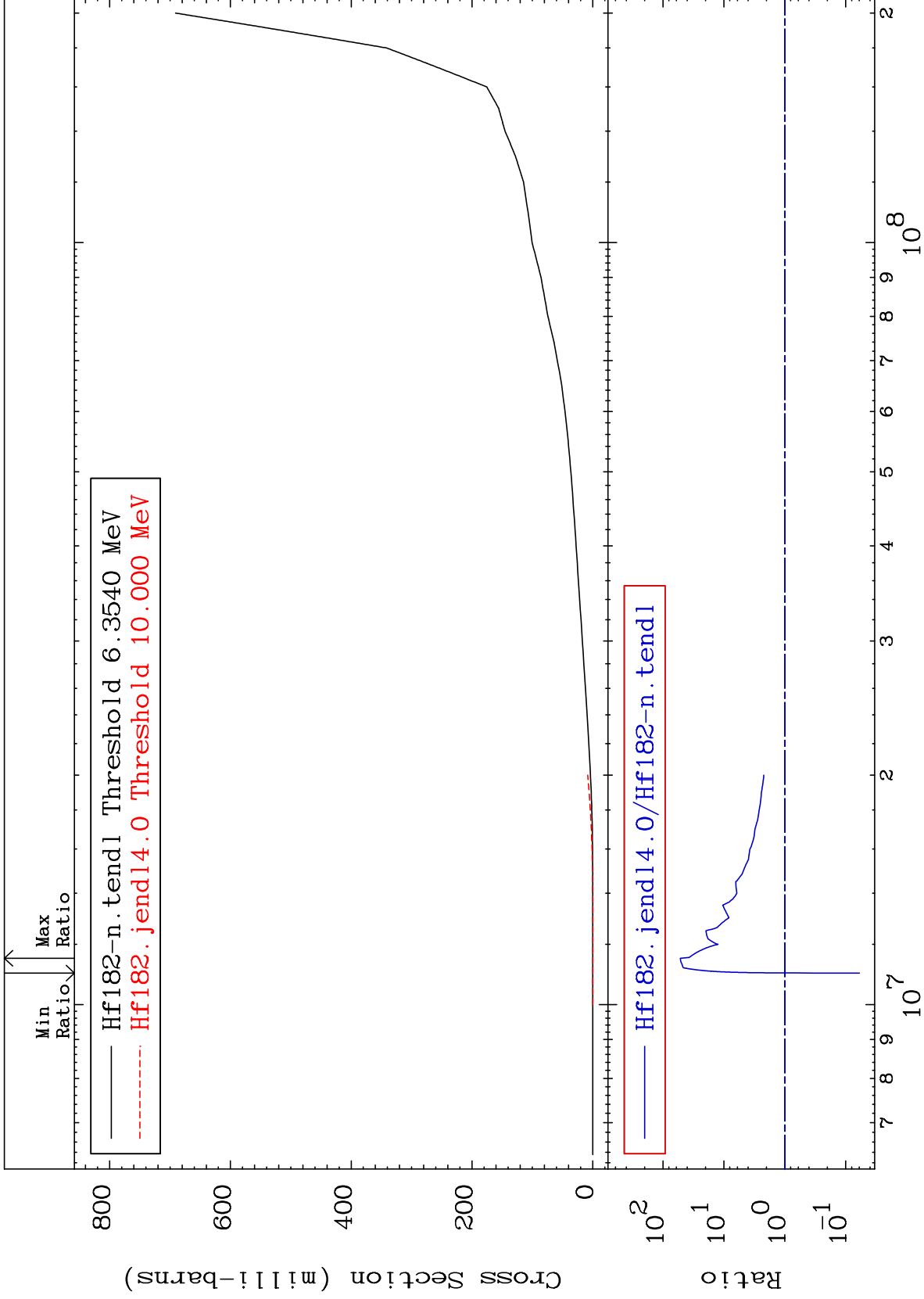
⁷²Hf-182
-100.0 To 119.0 %



MAT 7249

Deuterium Production
Cross Section

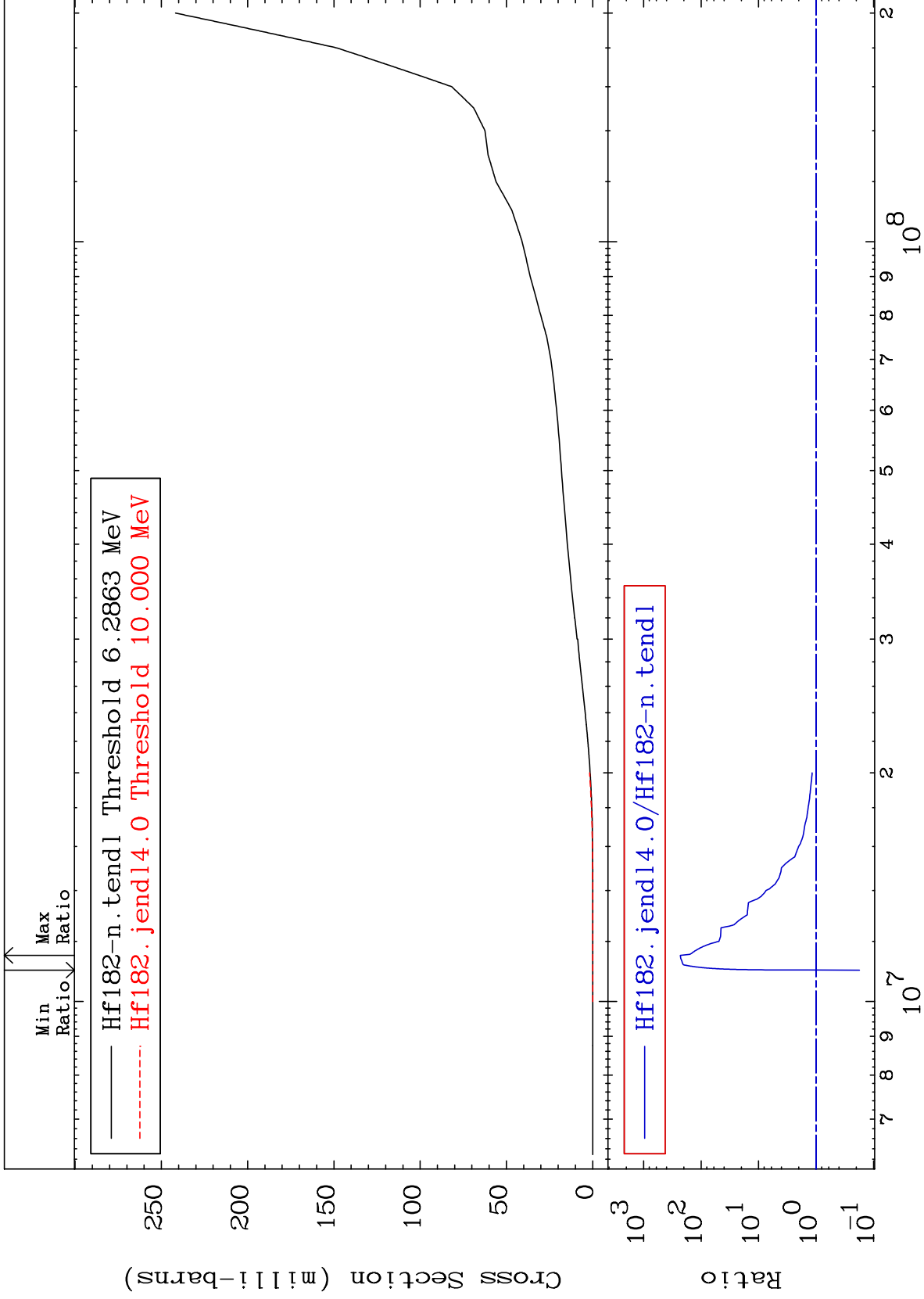
⁷²Hf-182
-94.04 To 5075. %



MAT 7249

Tritium Production
Cross Section

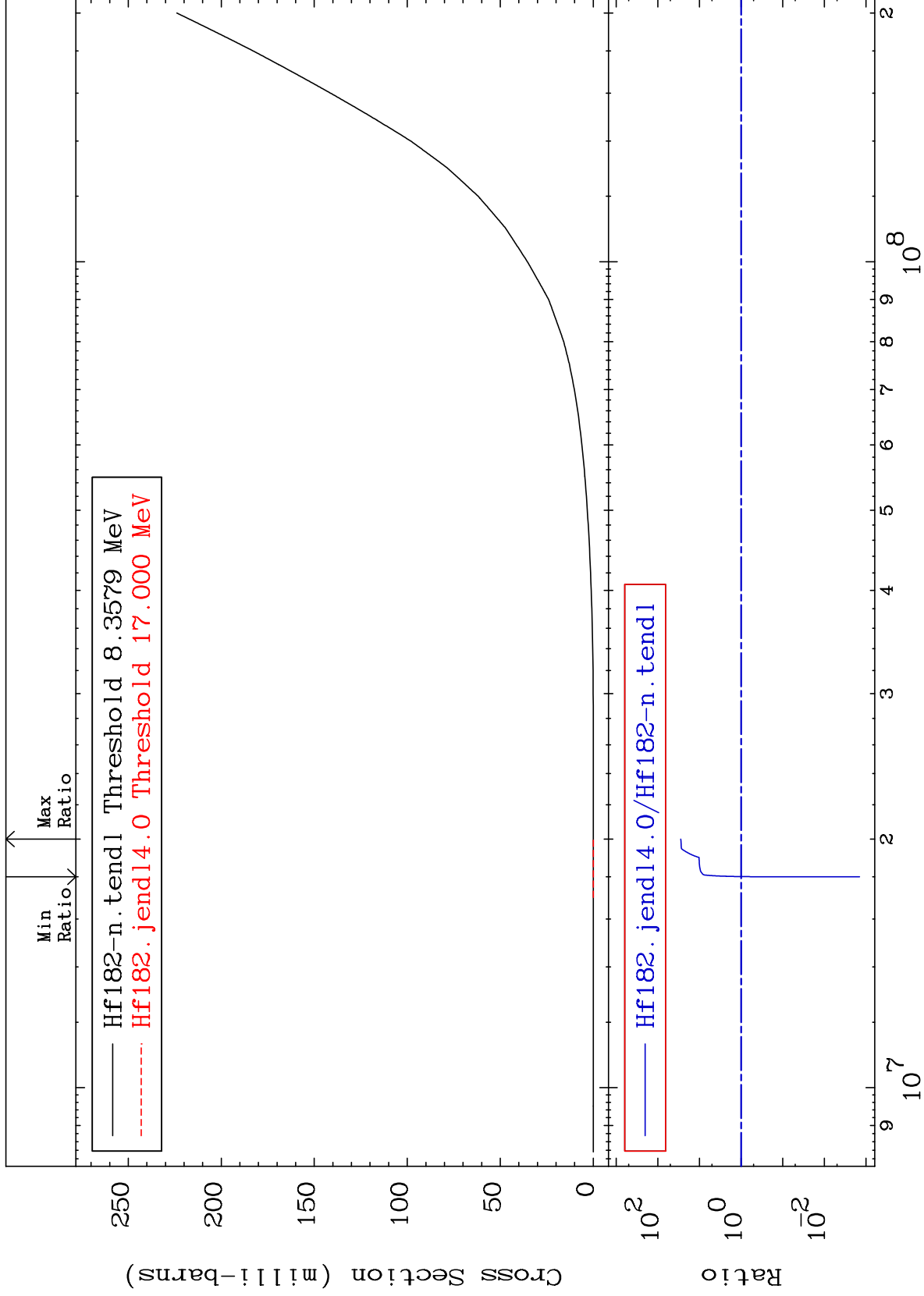
⁷²Hf-182
-82.40 To 9999. %



MAT 7249

He-3 Production
Cross Section

72-Hf-182
-99.86 To 2707. %



28

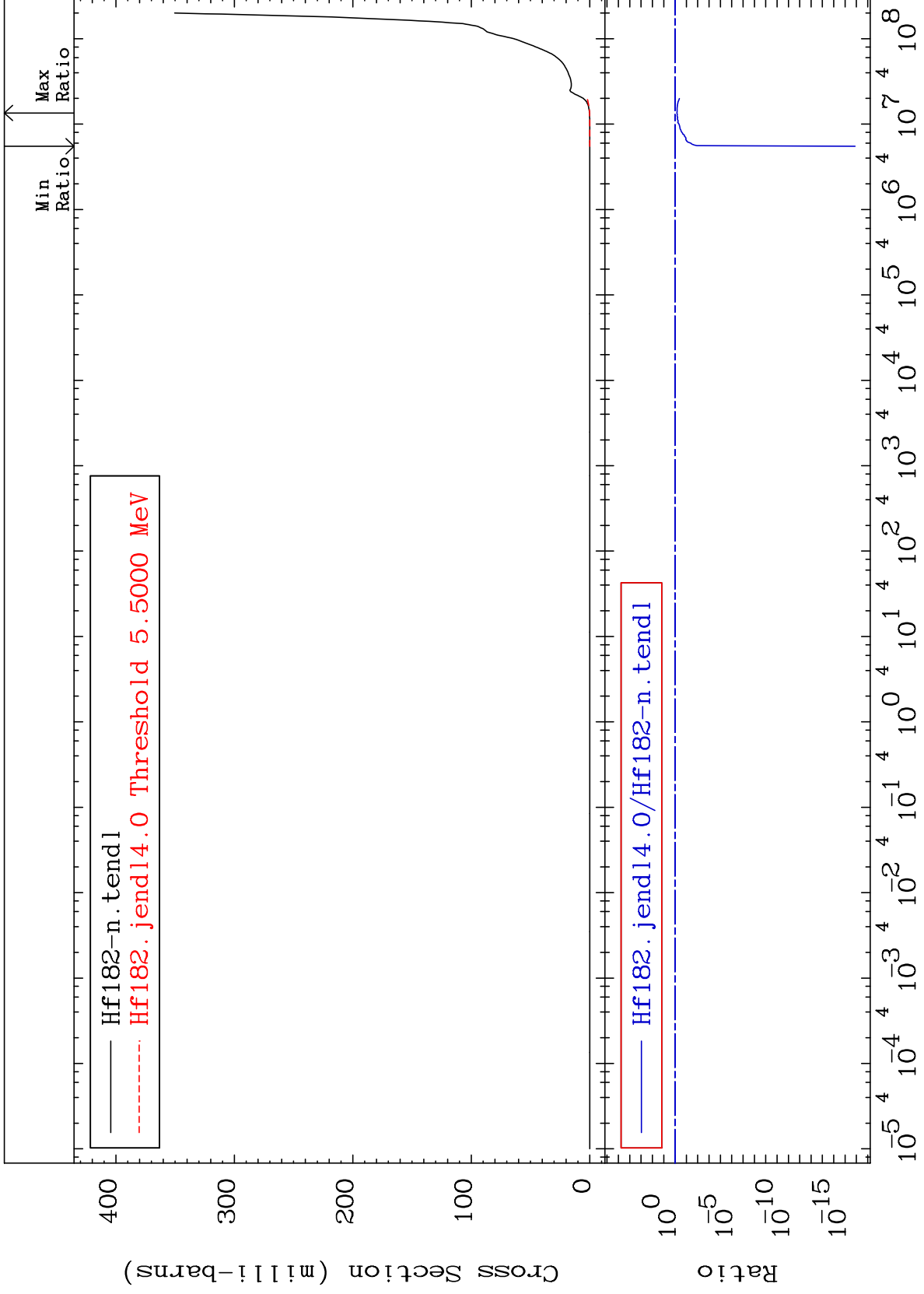
Incident Energy (eV)

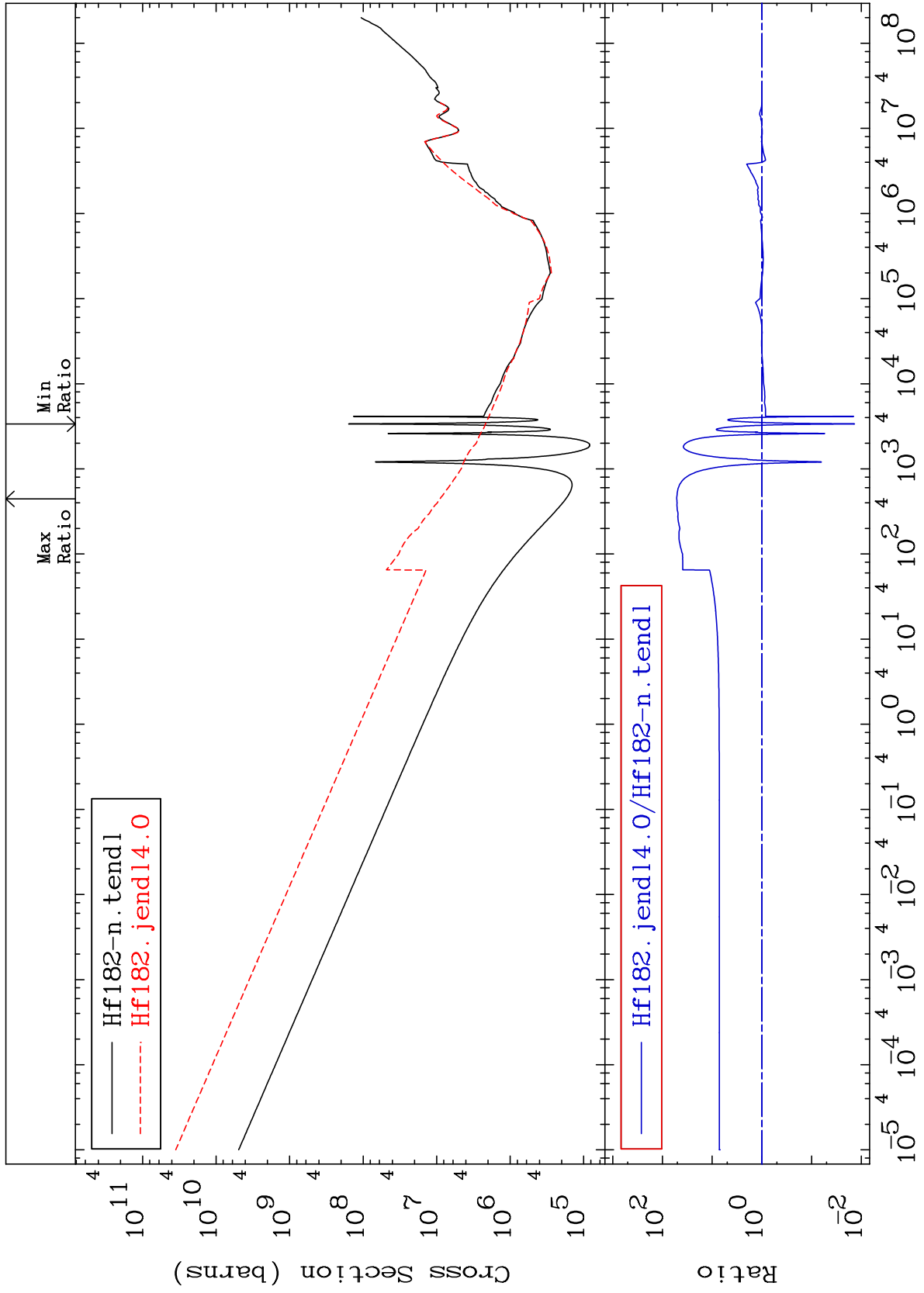
72-Hf-182

MAT 7249

He-4 Production
Cross Section

72-Hf-182
-100.0 To -31.77%

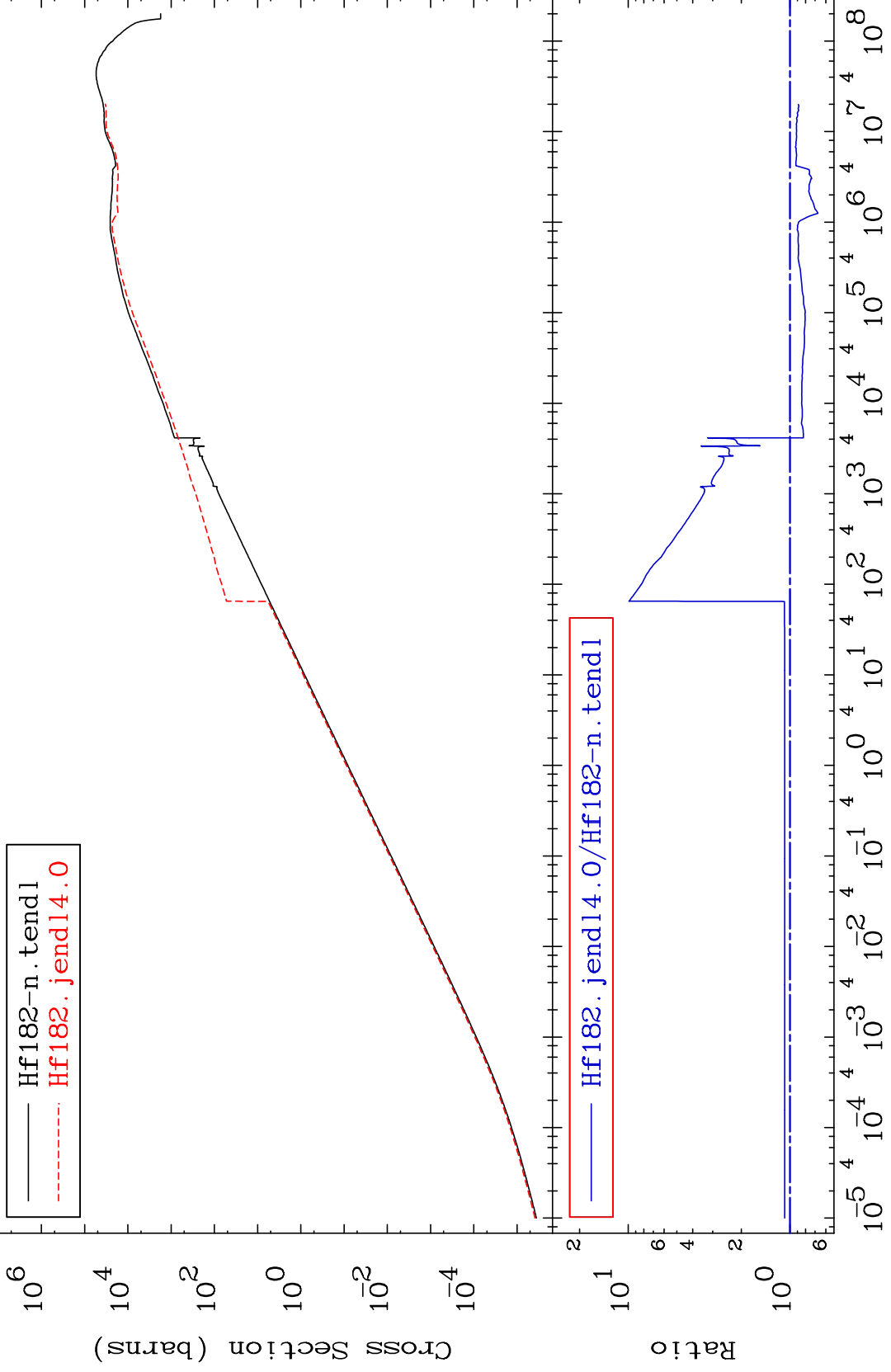




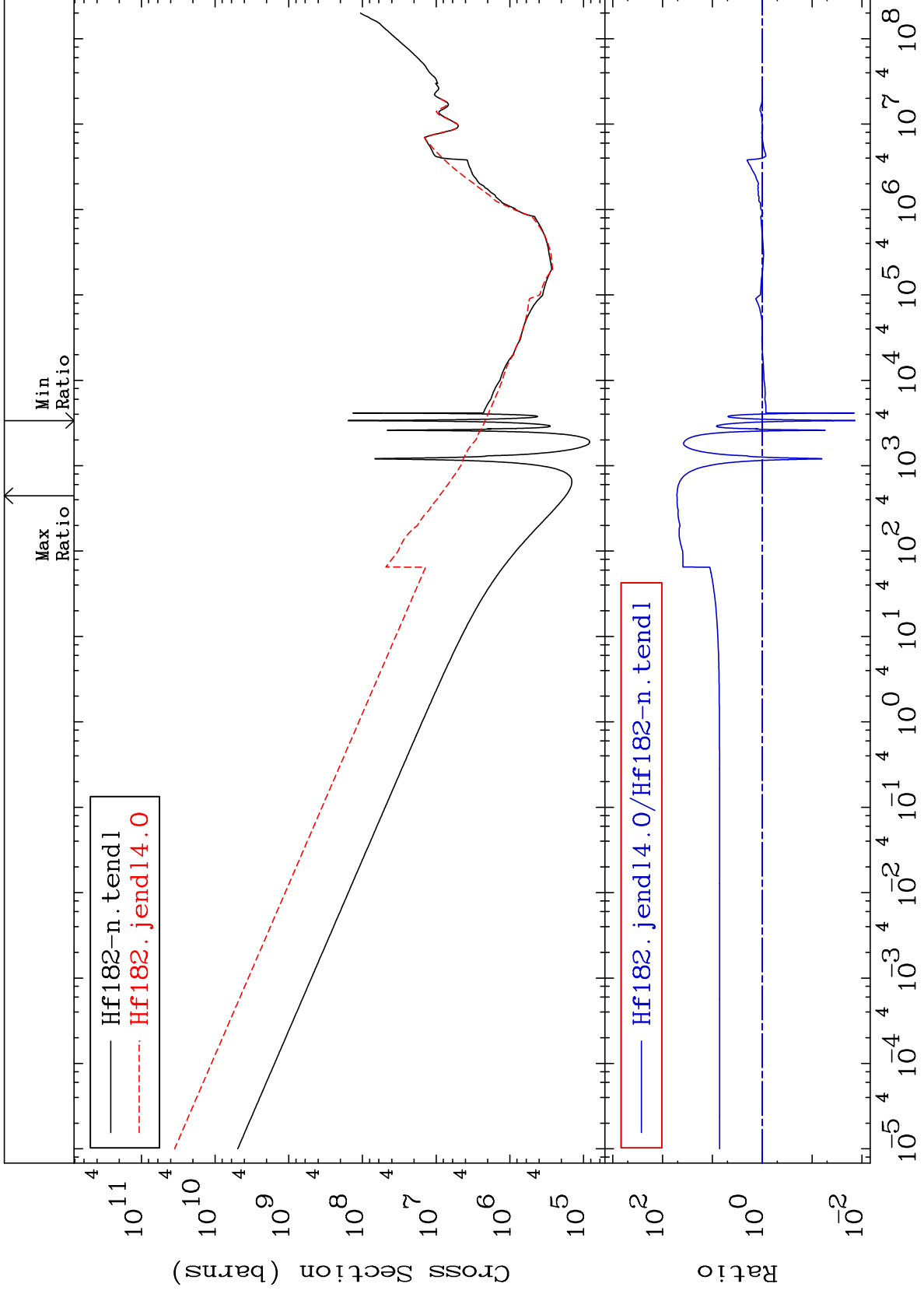
MAT 7249

Kerma elastic
Cross Section

72-Hf-182
-32.81 To 890.4 %



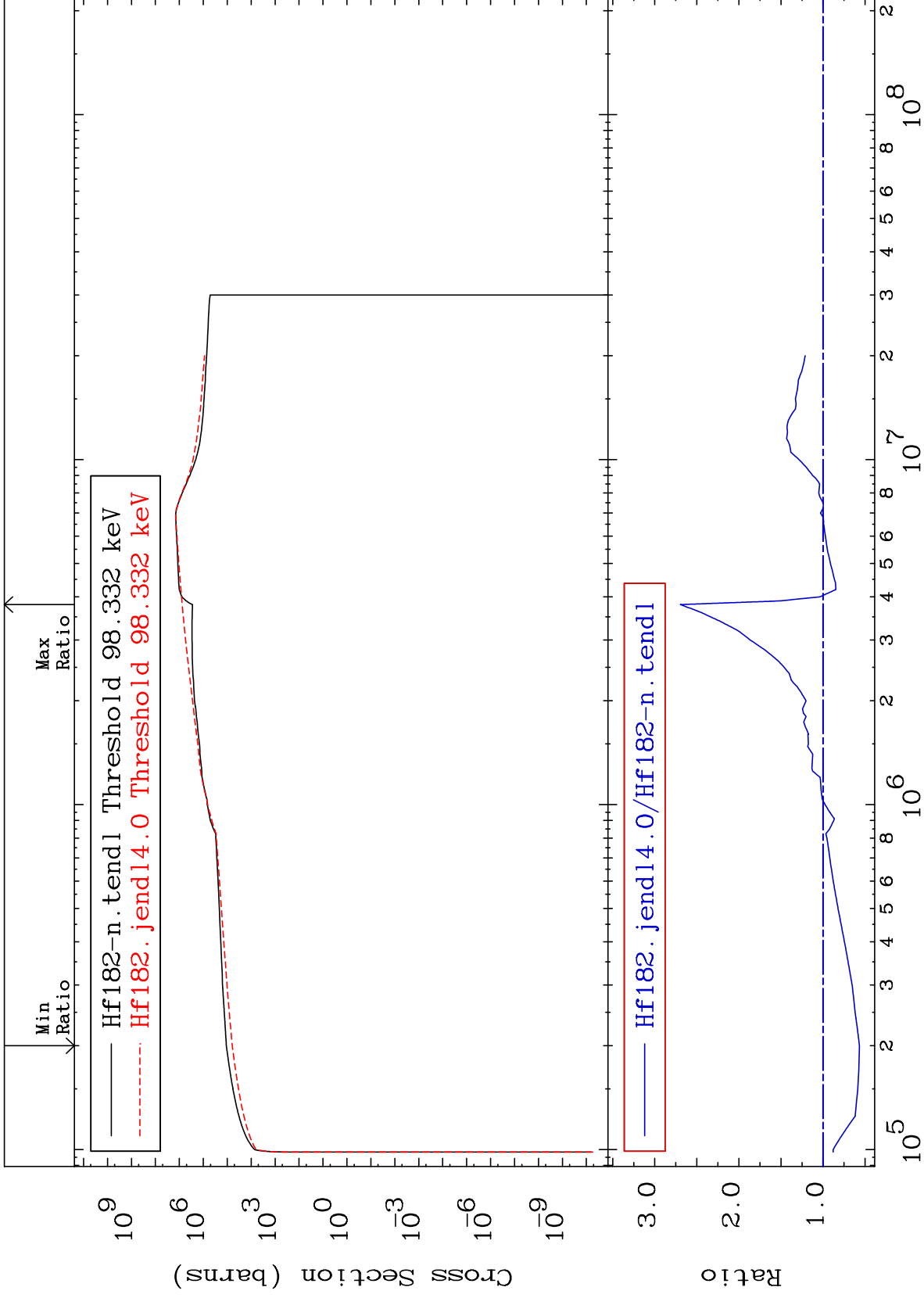
72-Hf-182



MAT 7249

Kerma inelastic (mt51-91)
Cross Section

72-Hf-182
-43.26 To 169.6 %



33

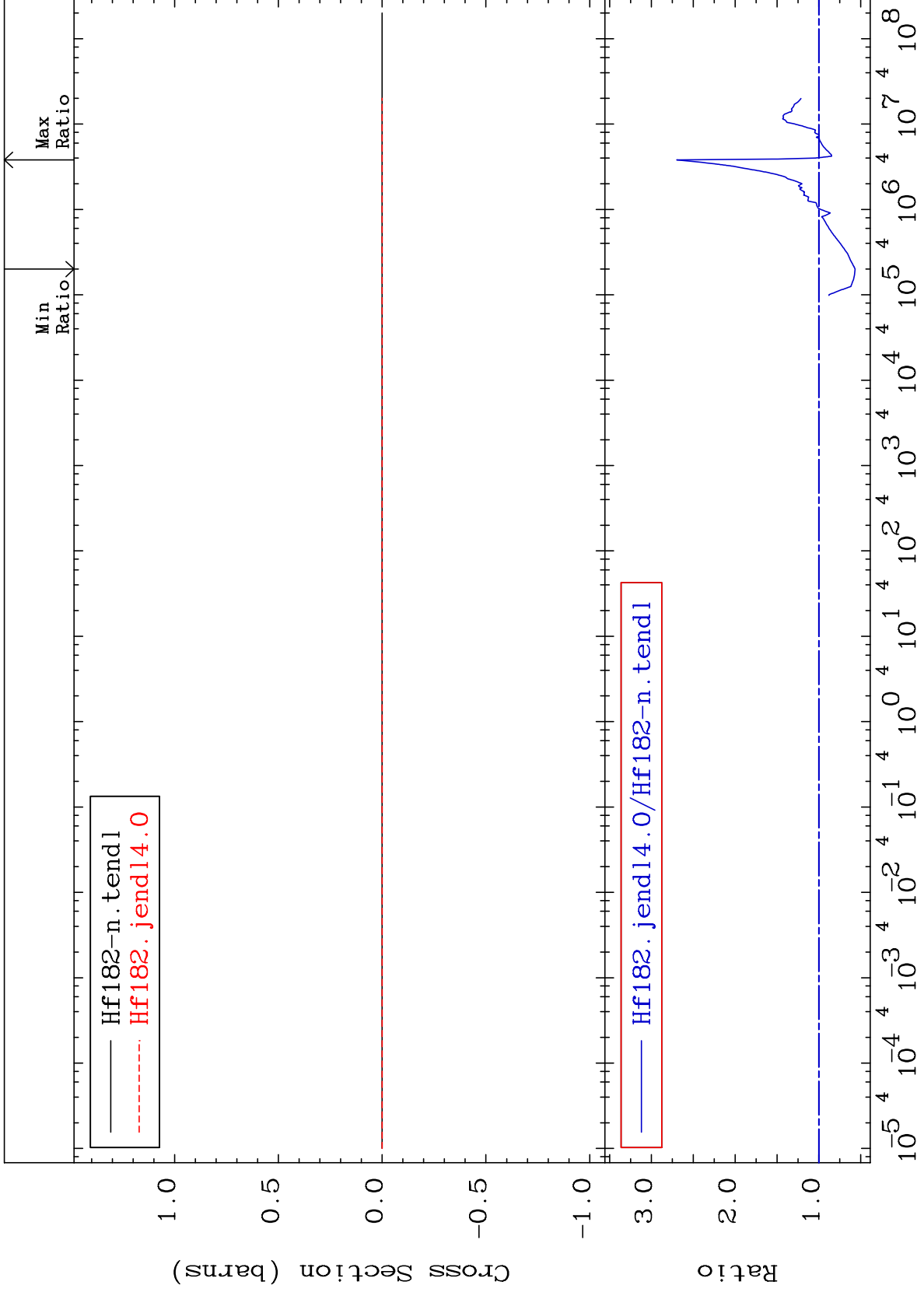
Incident Energy (eV)

72-Hf-182

MAT 7249

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

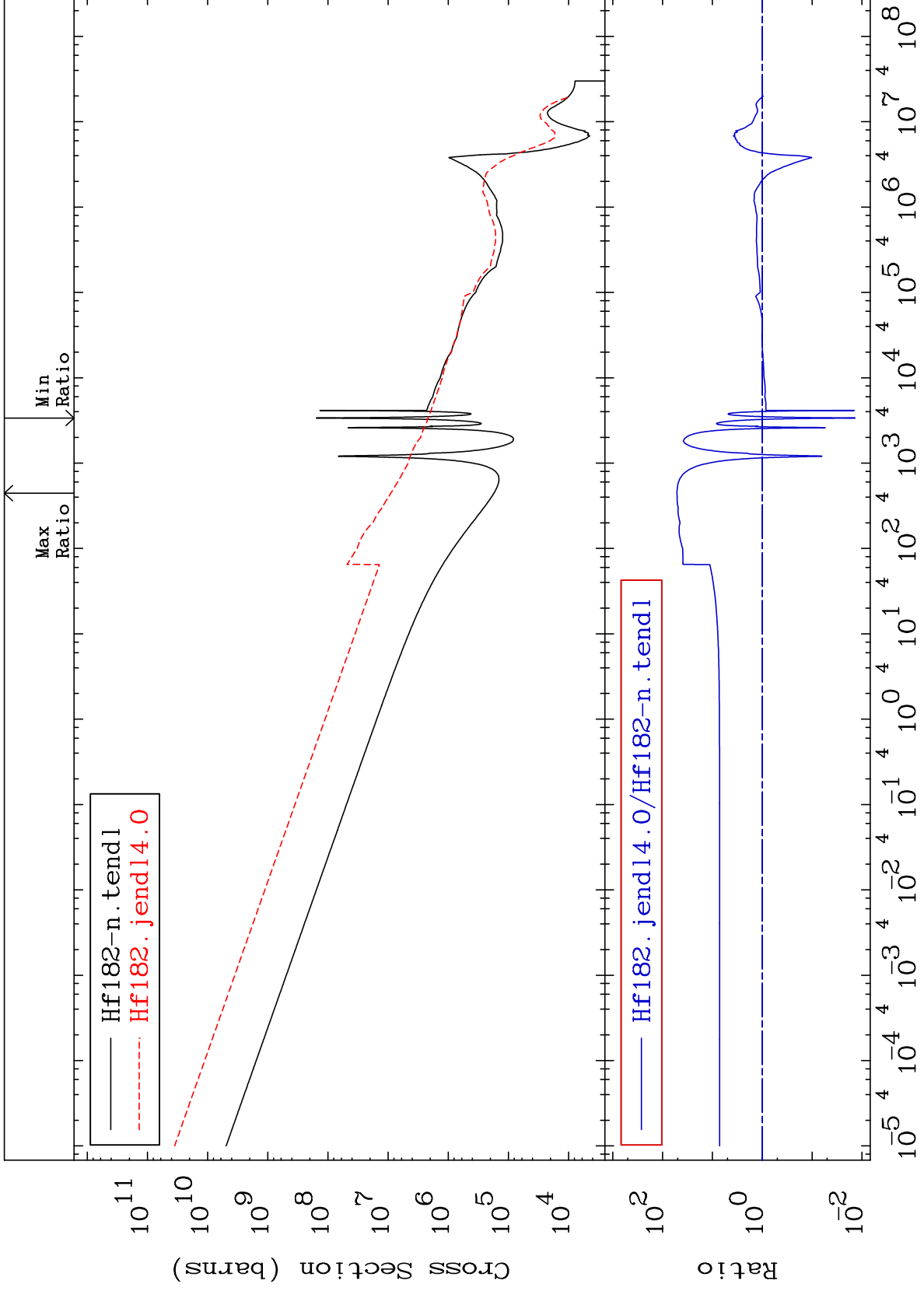
72-Hf-182
-43.26 To 169.6 %

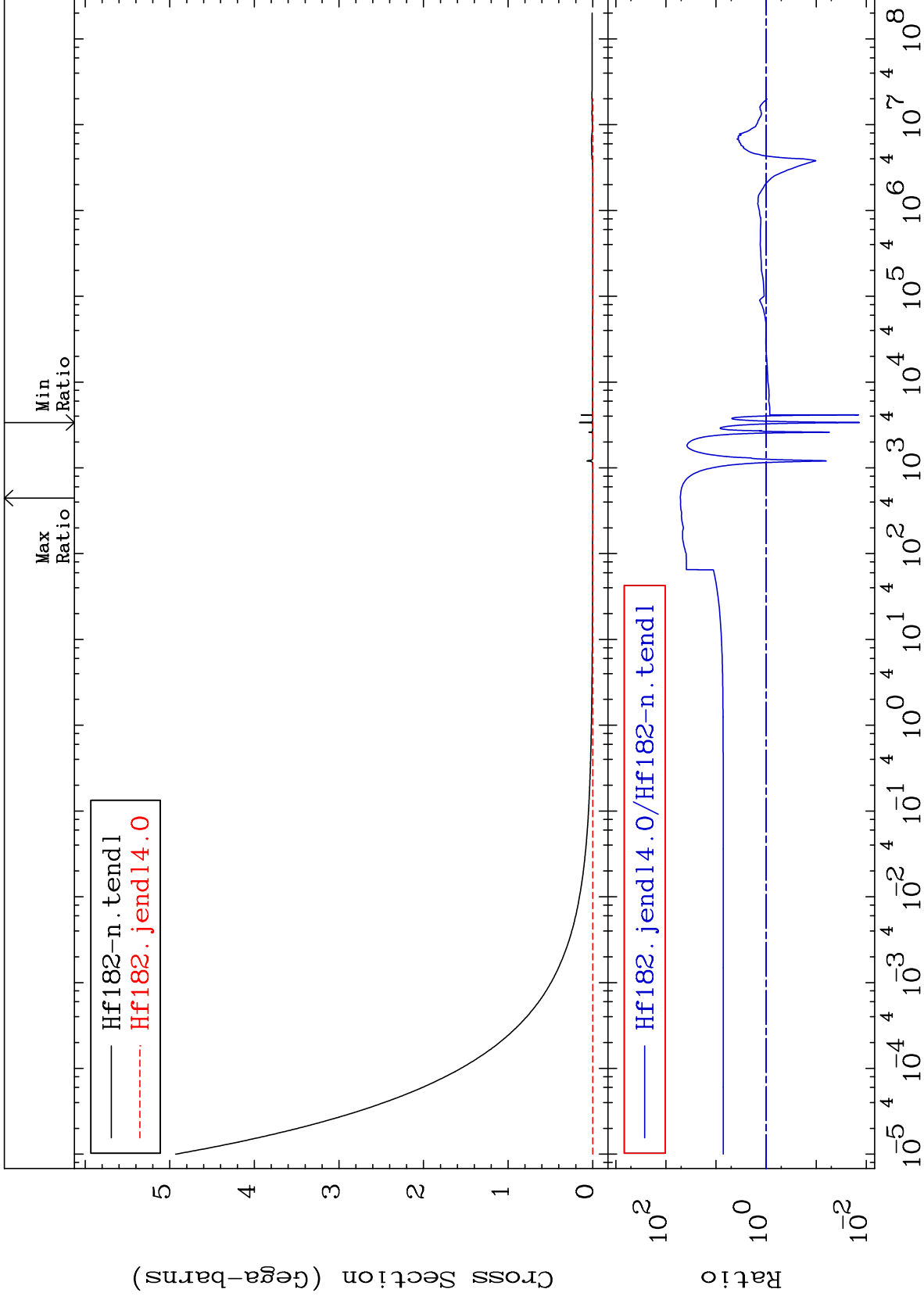


MAT 7249

Kerma capture (mt102)
Cross Section

72-Hf-182
-98.63 To 5060. %

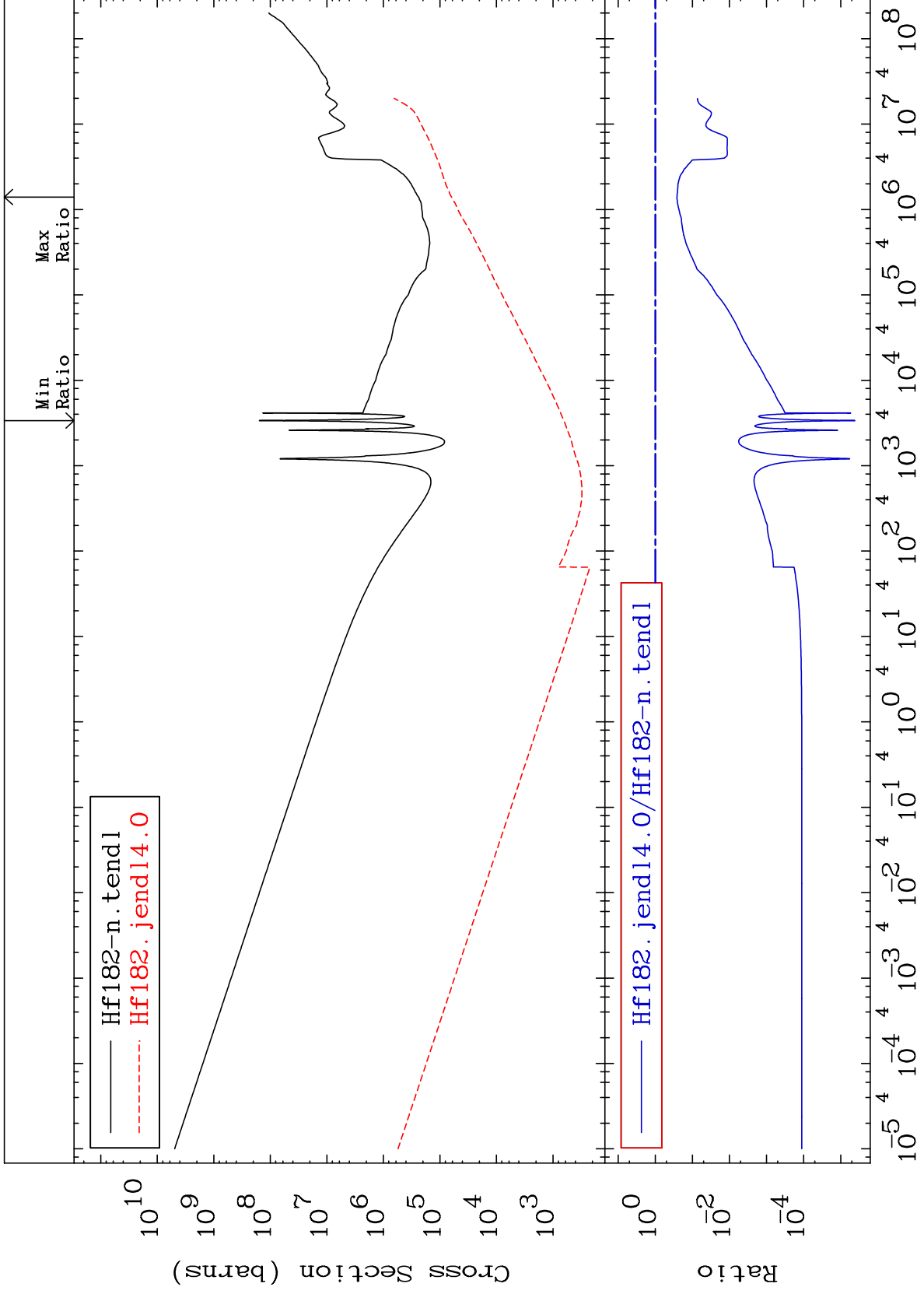




MAT 7249

Total kinematic kerma (high limit)
Cross Section

72-Hf-182
-100.0 To -73.88%



Incident Energy (eV)

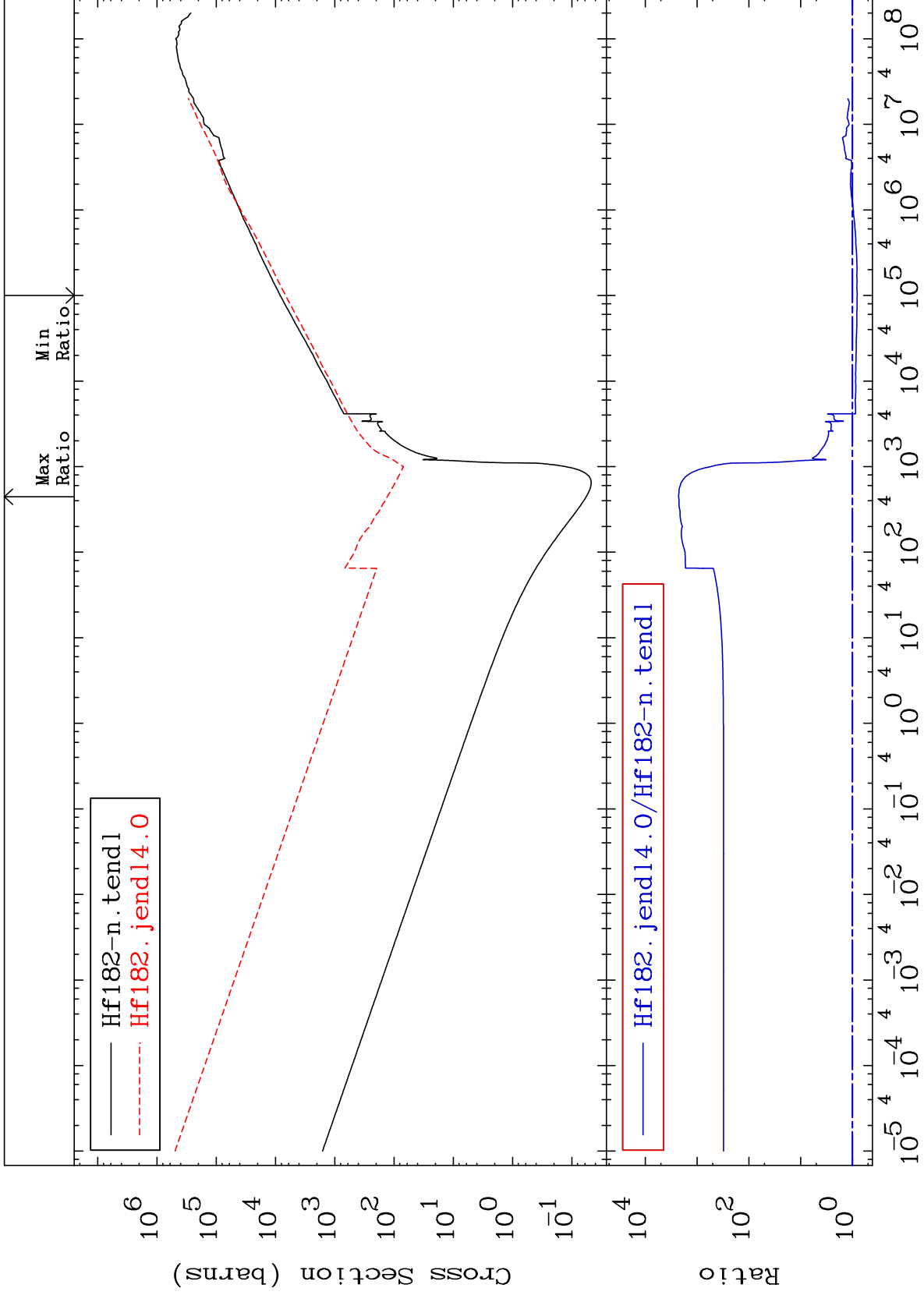
72-Hf-182

37

MAT 7249

Dpa total (eV-barns)
Cross Section

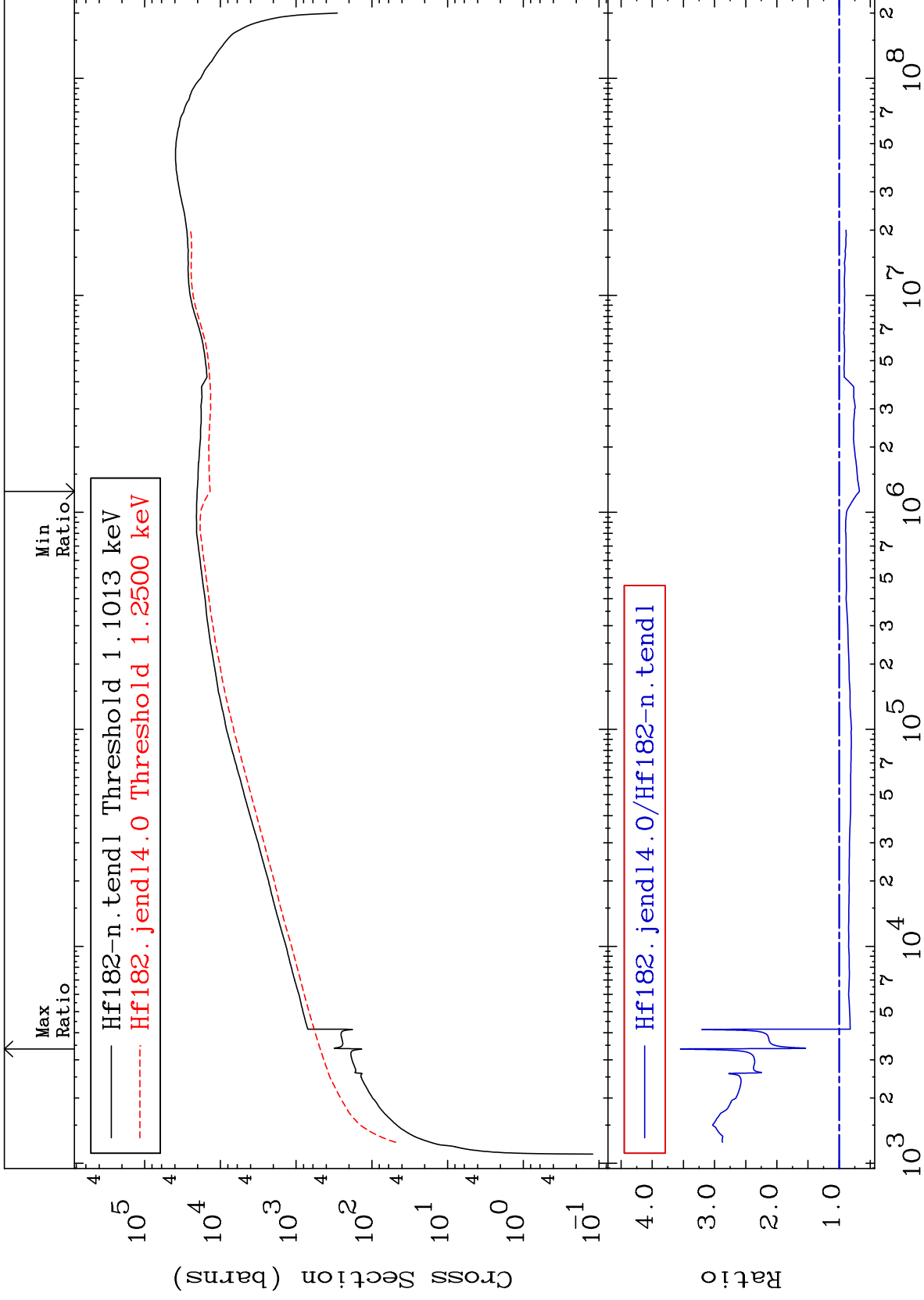
72-Hf-182
-19.25 To 9999. %



MAT 7249

Dpa elastic (mt2)
Cross Section

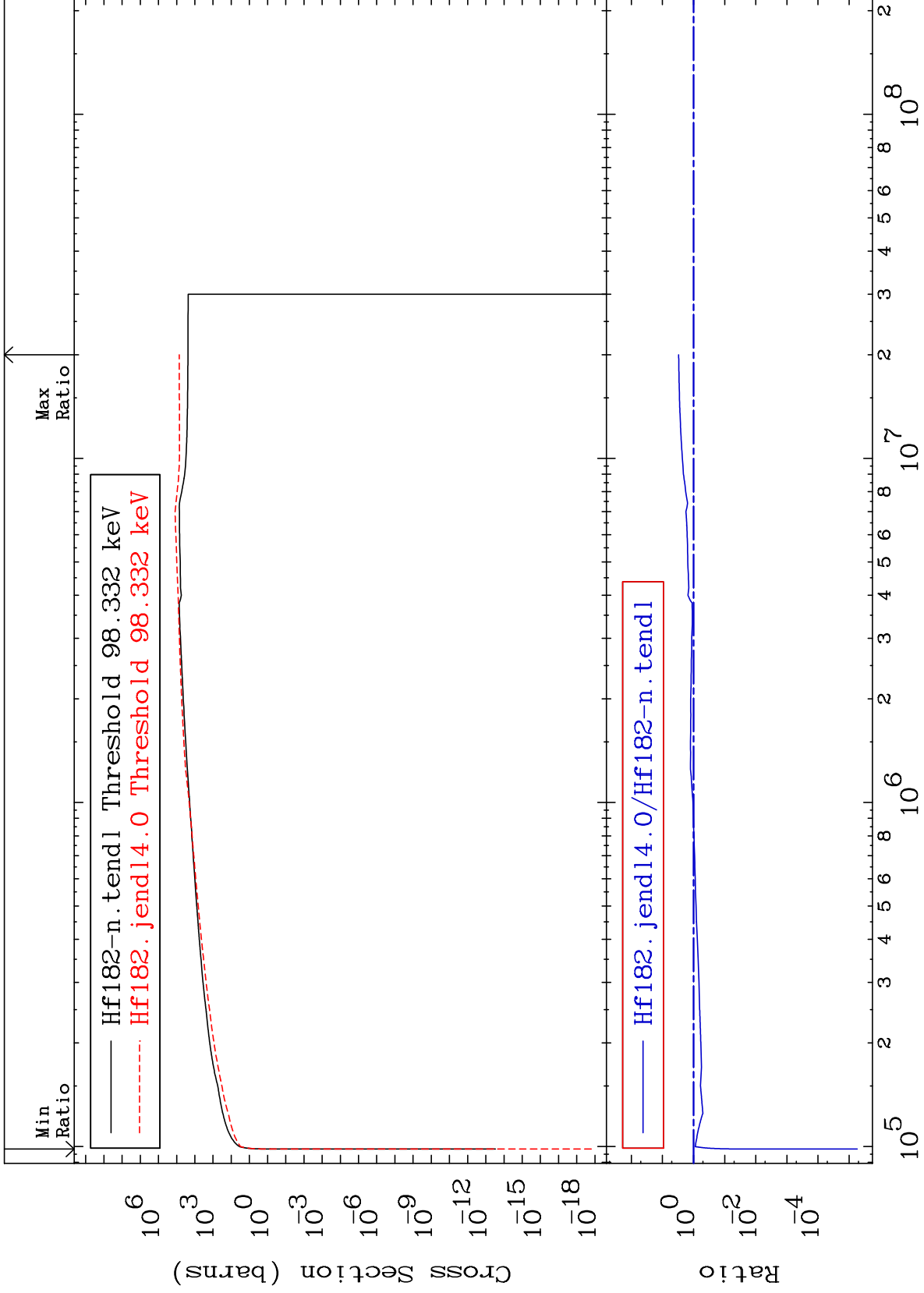
72-Hf-182
-32.50 To 254.9 %



MAT 7249

Dpa inelastic (mt51-91)
Cross Section

72-Hf-182
-100.0 To 201.8 %



40

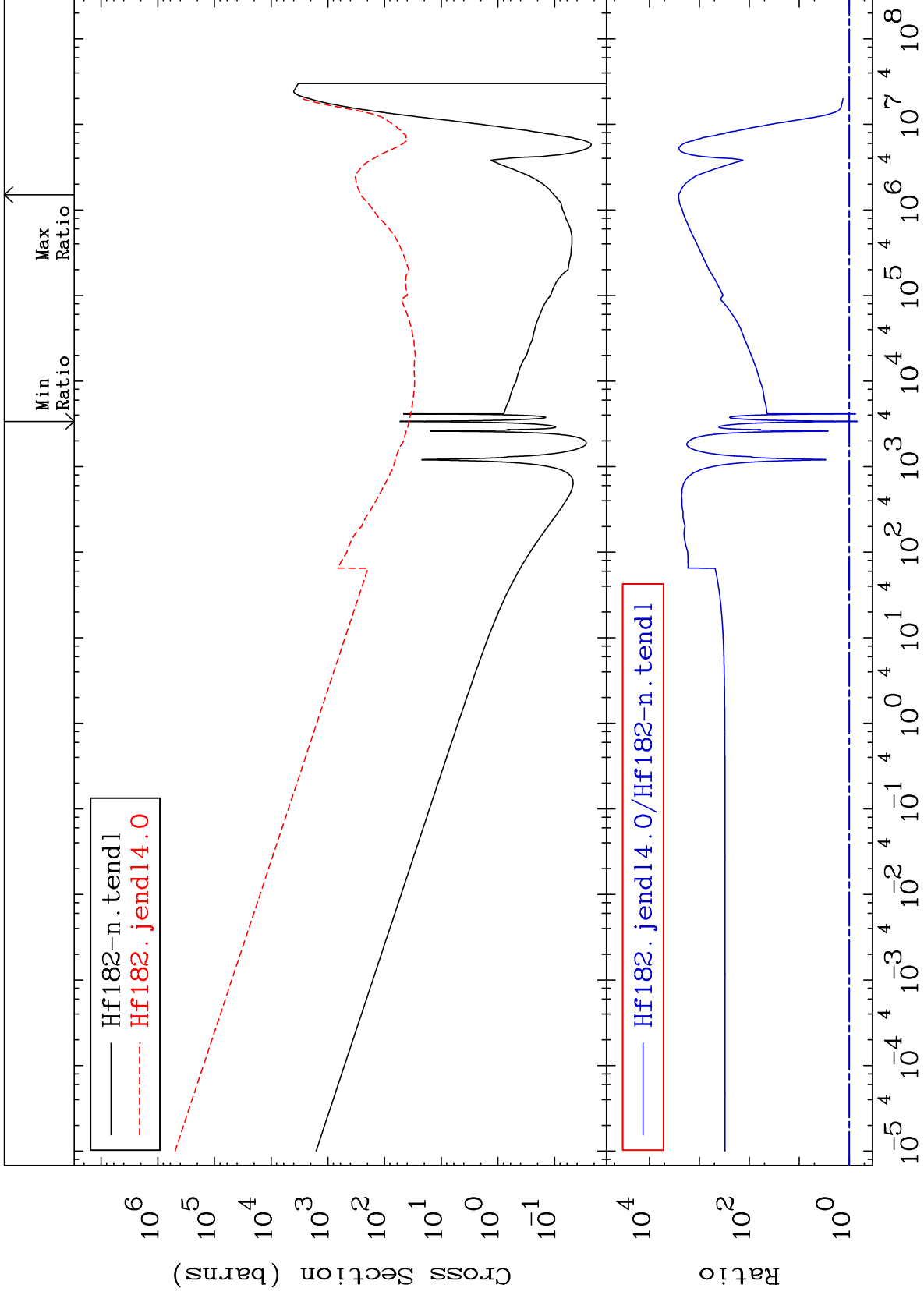
Incident Energy (eV)

72-Hf-182

MAT 7249

Dpa disappearance (mt102 -120)
Cross Section

72-Hf-182
-30.76 To 9999. %



41

Incident Energy (eV)

72-Hf-182