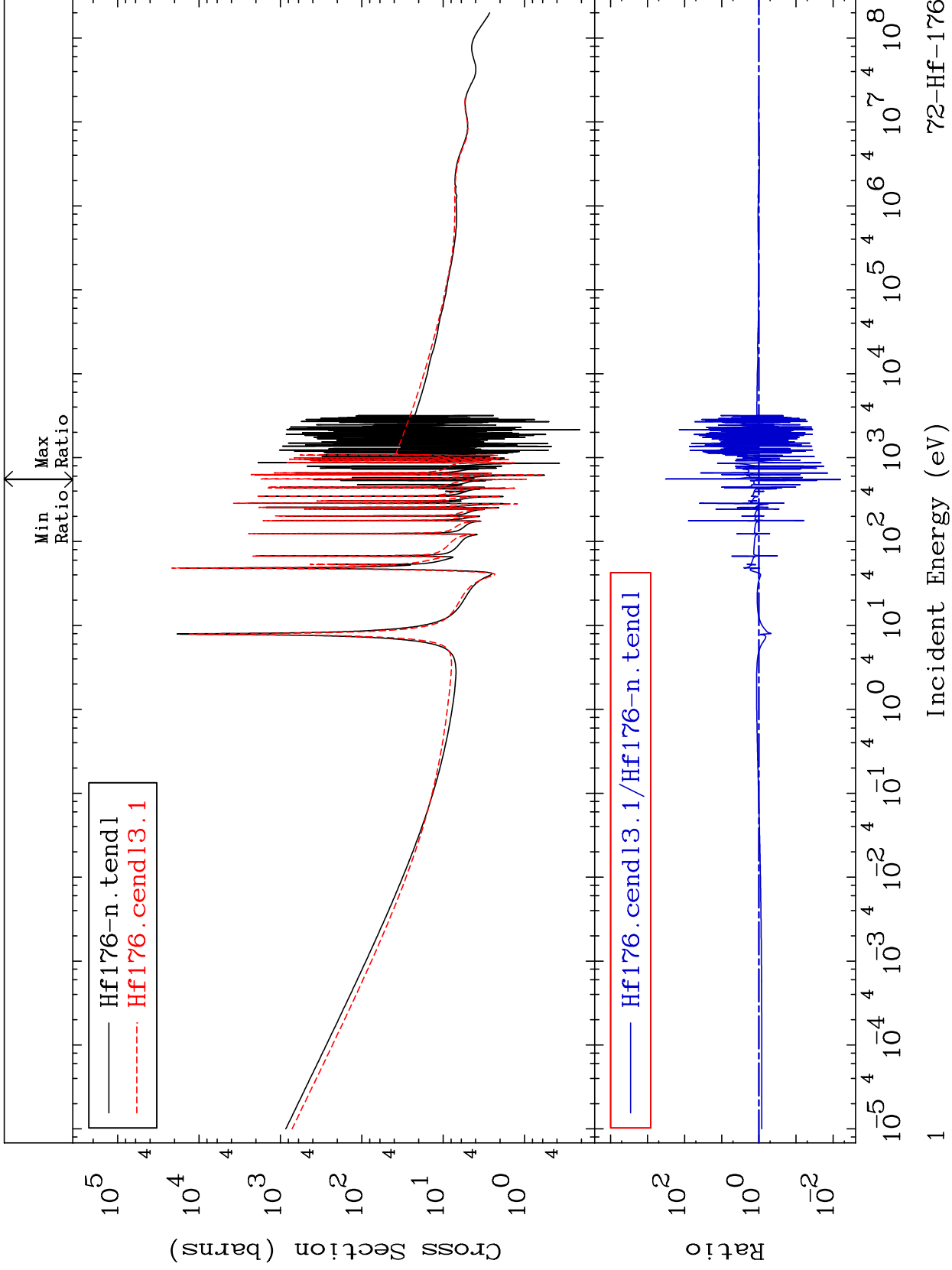


MAT 7231

Total
Cross Section

72-Hf-176
-99.38 To 9999. %



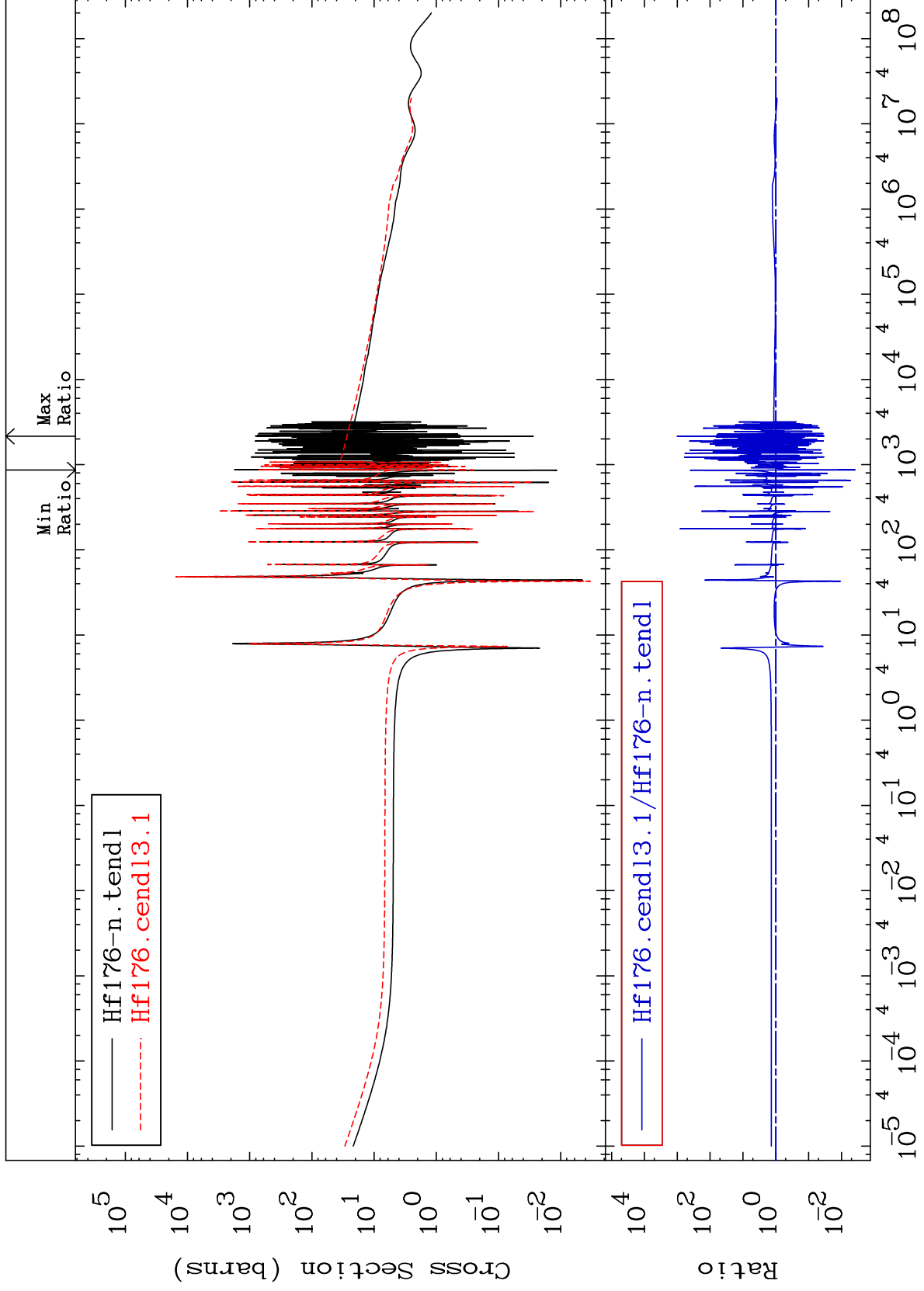
72-Hf-176

Incident Energy (eV)

MAT 7231

Elastic
Cross Section

72-Hf-176
-99.62 To 9999. %



2

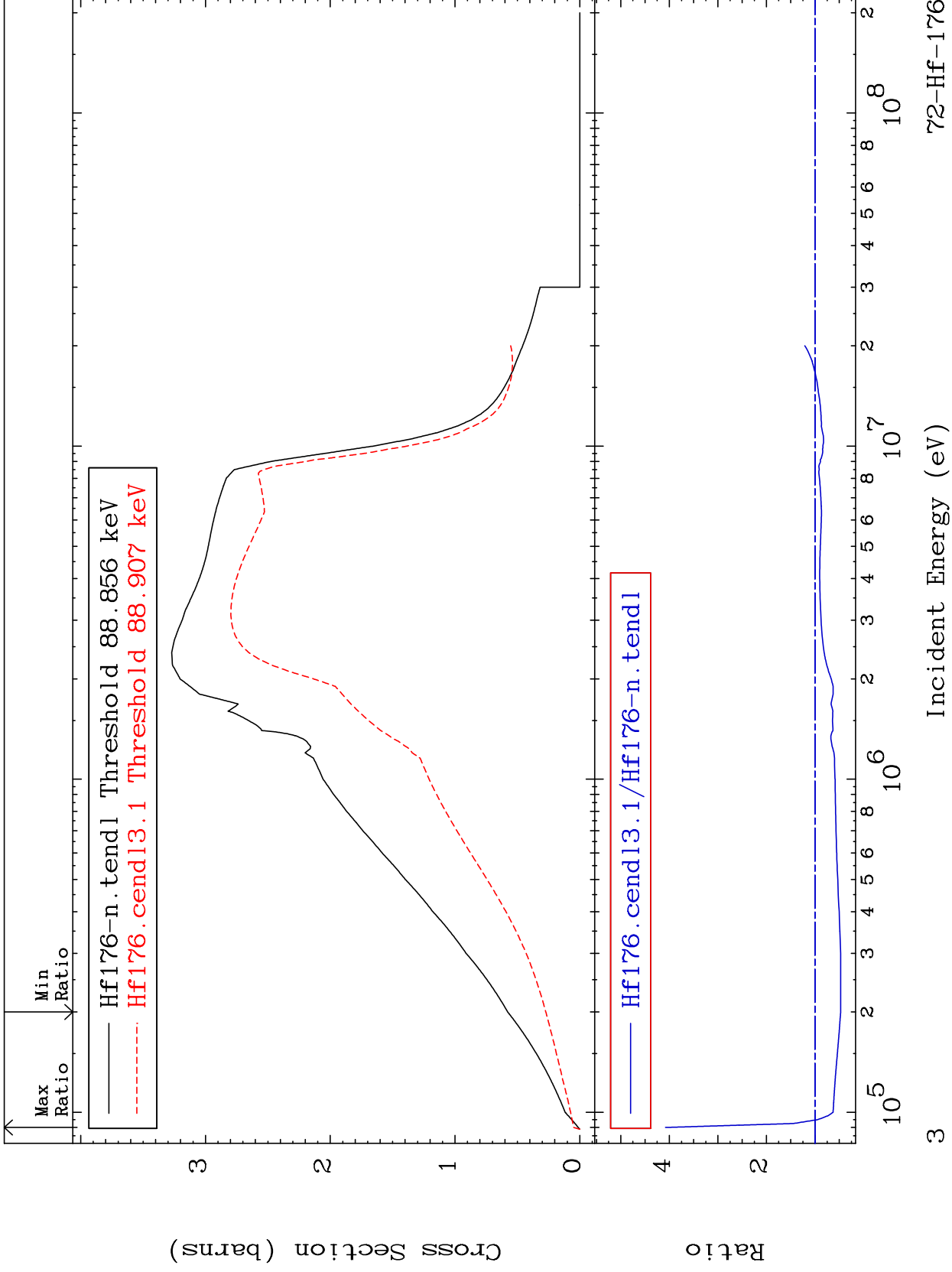
Incident Energy (eV)

72-Hf-176

MAT 7231

Inelastic
Cross Section

72-Hf-176
-52.88 To 307.9 %



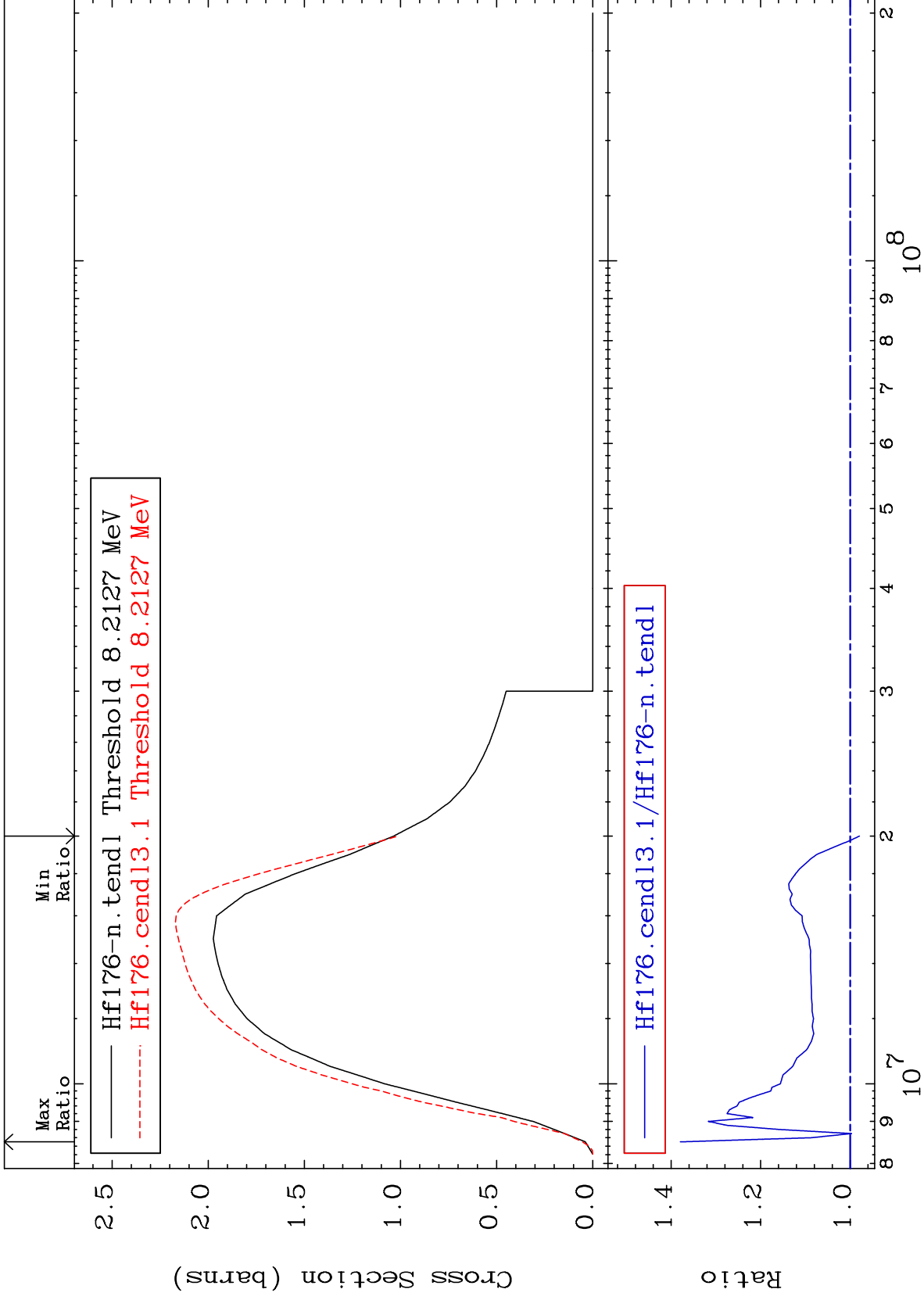
MAT 7231

(n,2n)

⁷²Hf-176

Cross Section

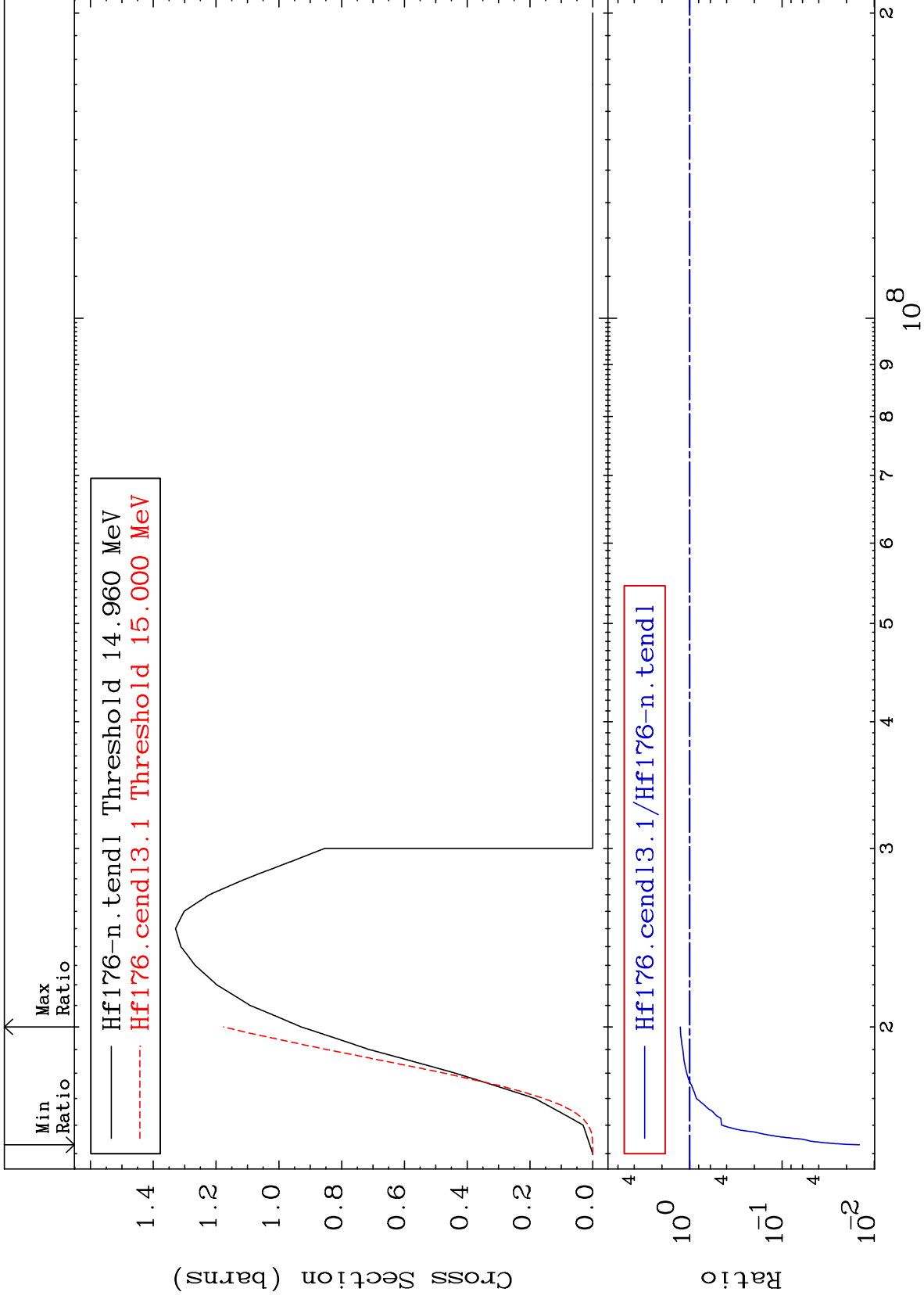
-2.069 To 37.95 %



4

Incident Energy (eV)

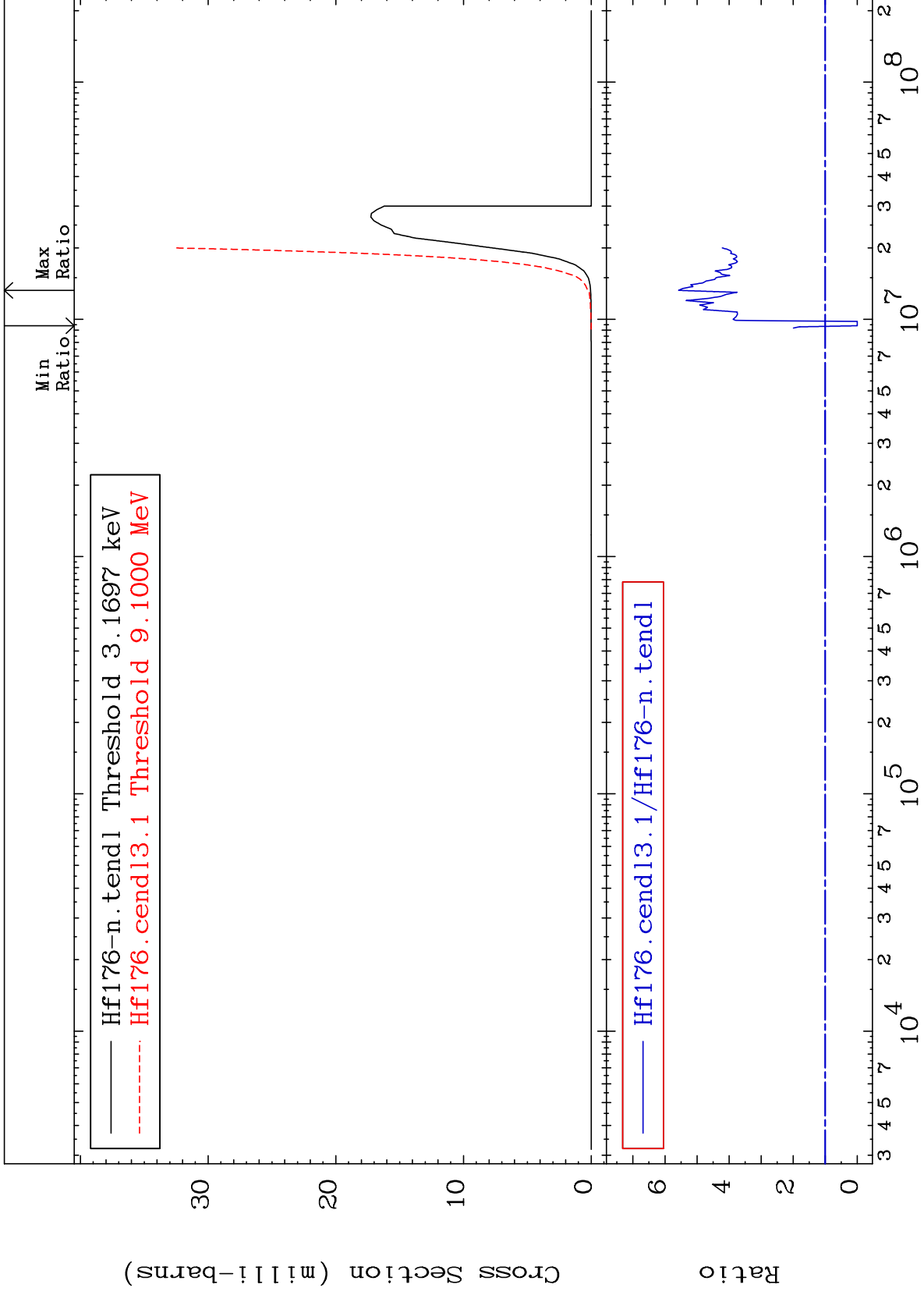
⁷²Hf-176



MAT 7231

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

72-Hf-176
-100.0 To 457.4 %



6

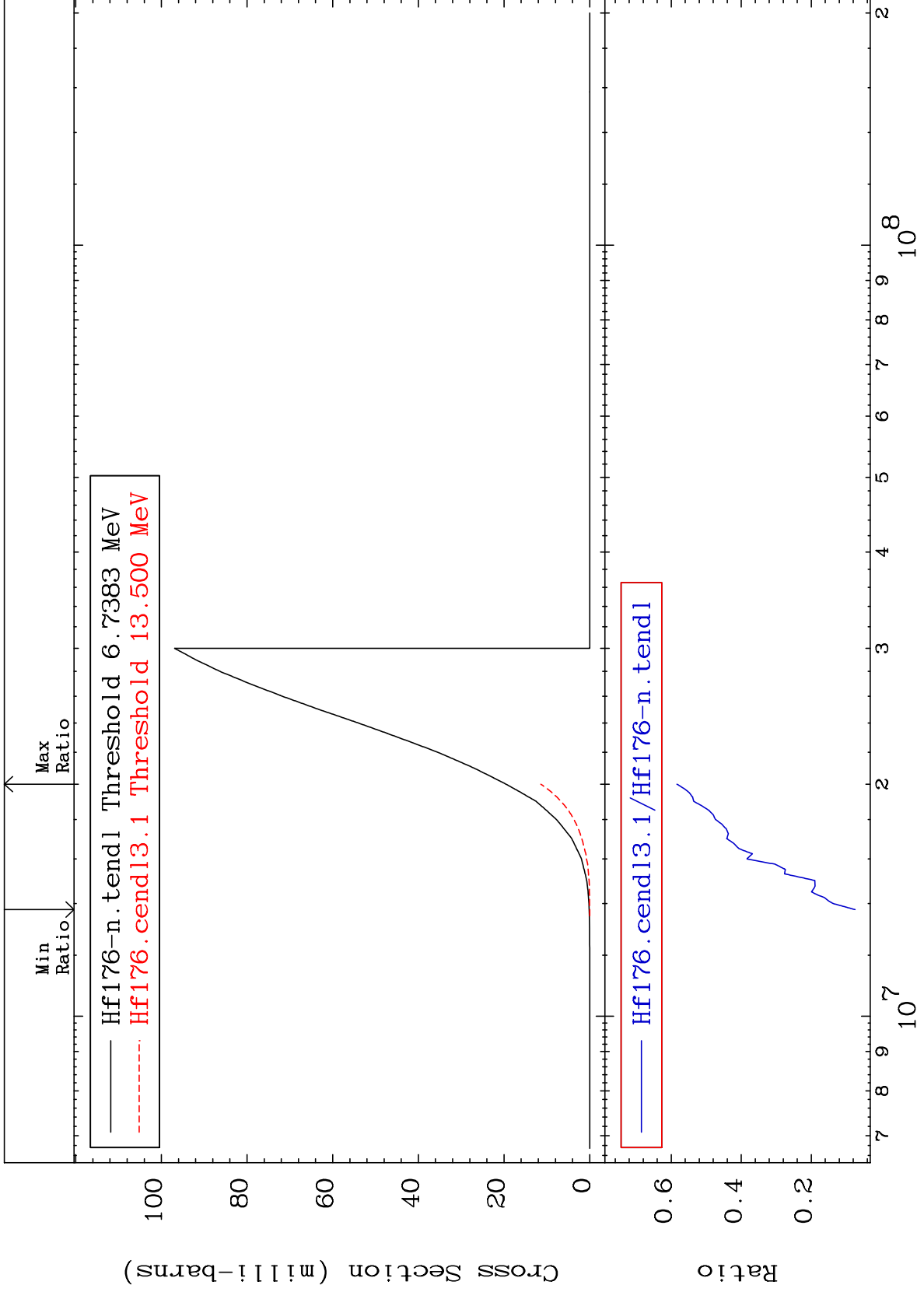
Incident Energy (eV)

72-Hf-176

MAT 7231

(n, n') p
Cross Section

72-Hf-176
-92.52 To -41.64%



7

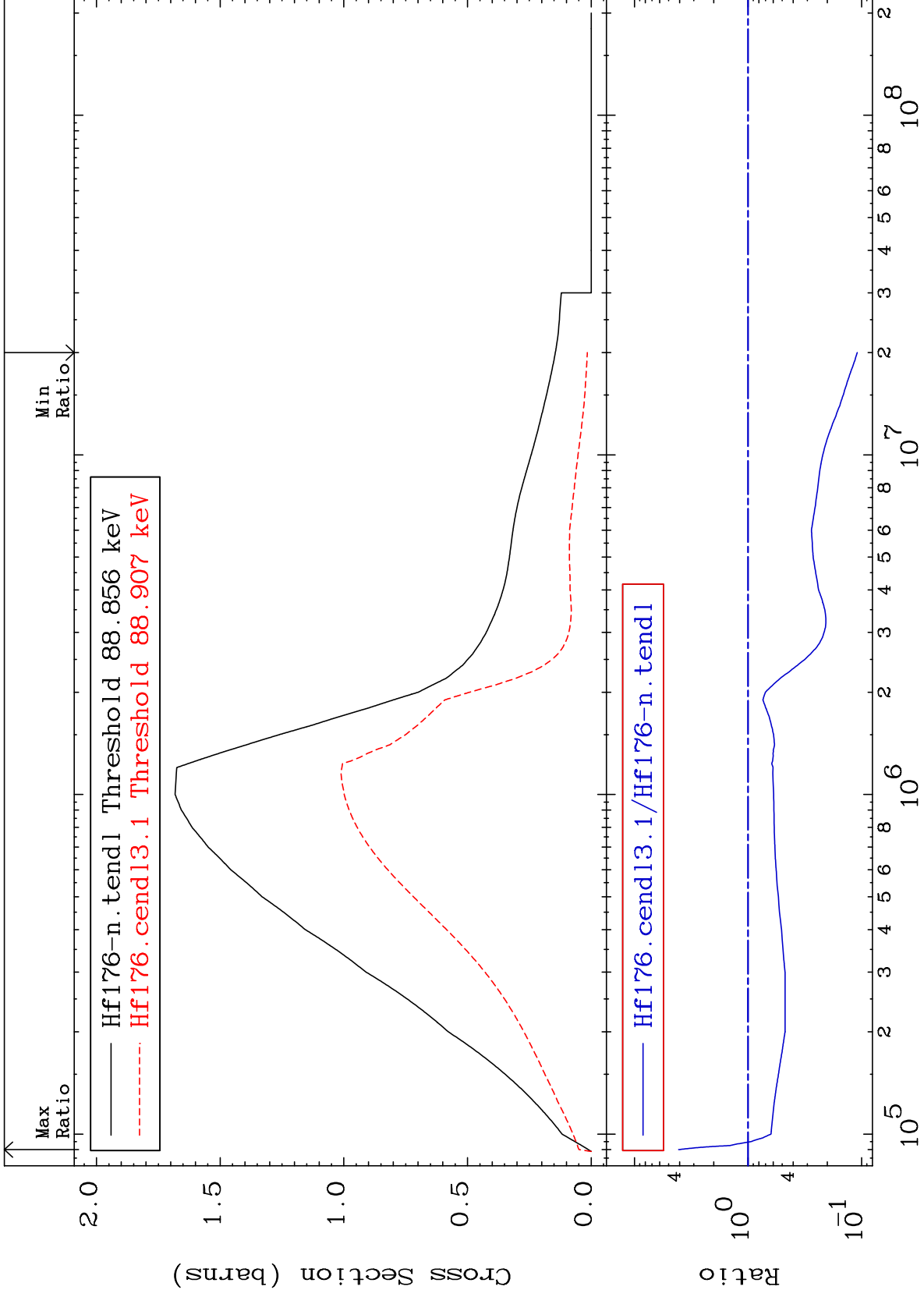
Incident Energy (eV)

72-Hf-176

MAT 7231

88.35 keV (n,n') Level
Cross Section

72-Hf-176
-89.09 To 307.9 %



8

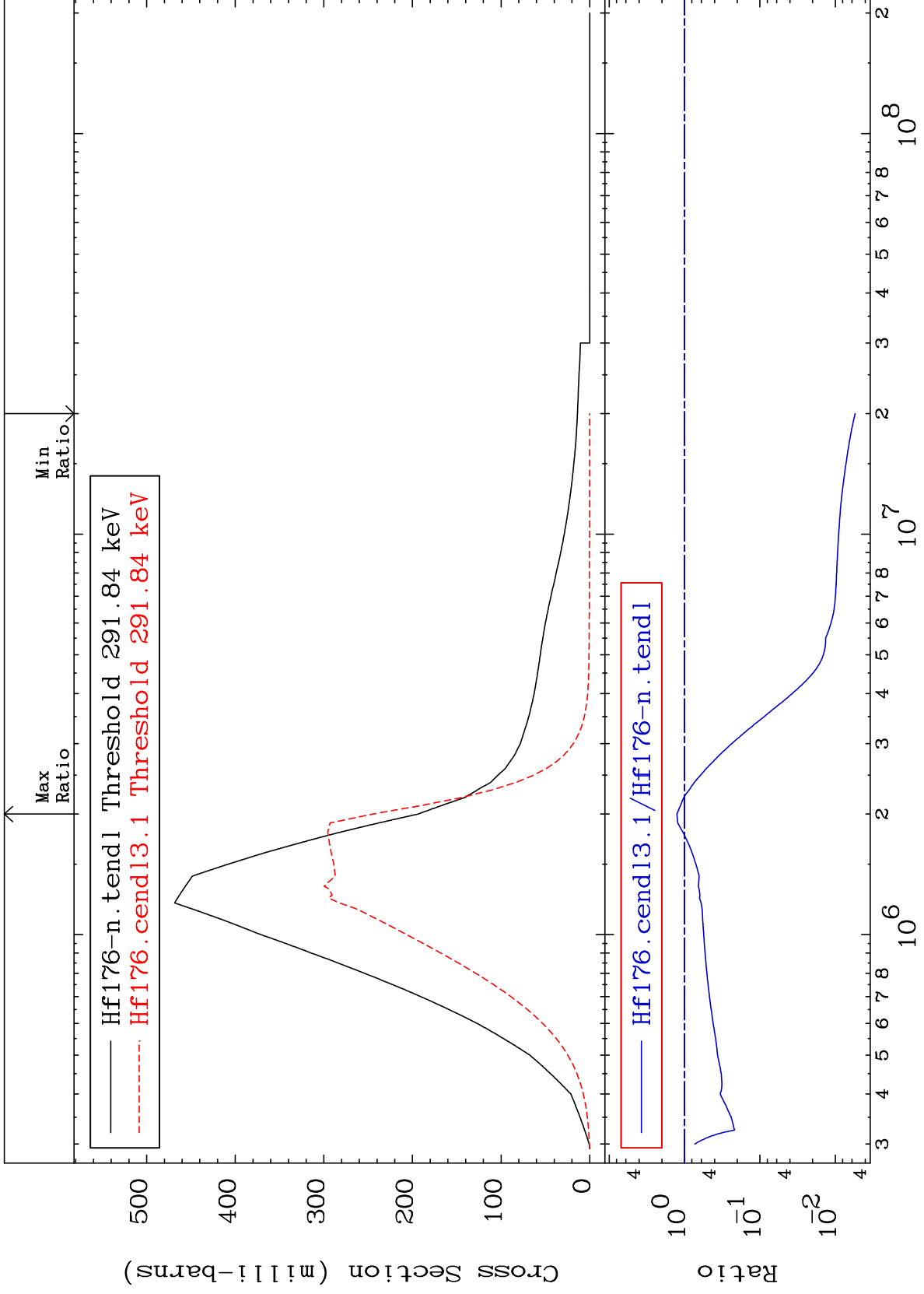
Incident Energy (eV)

72-Hf-176

MAT 7231

290.2 keV (n,n') Level
Cross Section

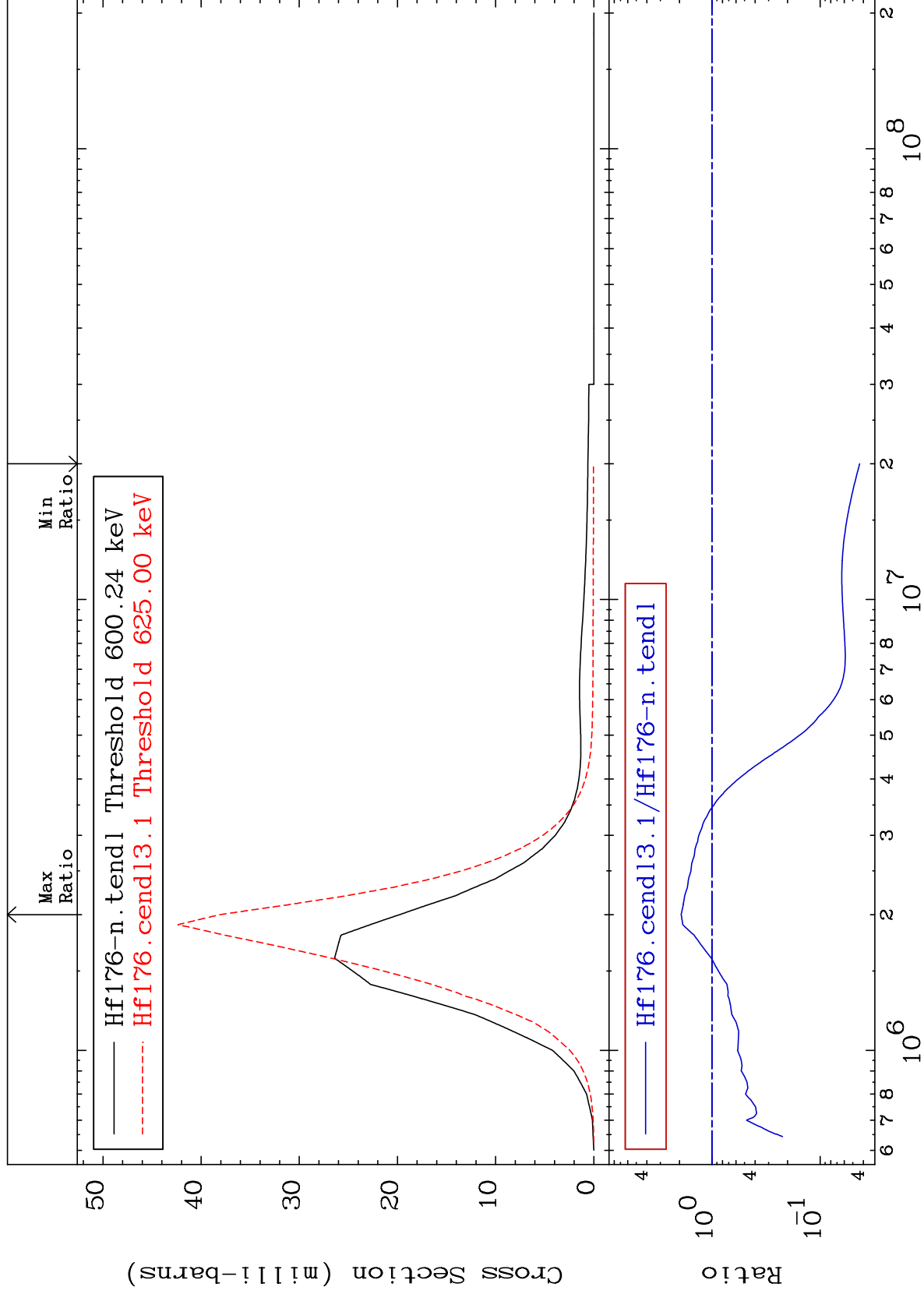
72-Hf-176
-99.45 To 26.33 %



MAT 7231

596.8 keV (n,n') Level
Cross Section

72-Hf-176
-95.68 To 92.51 %



10

Incident Energy (eV)

72-Hf-176

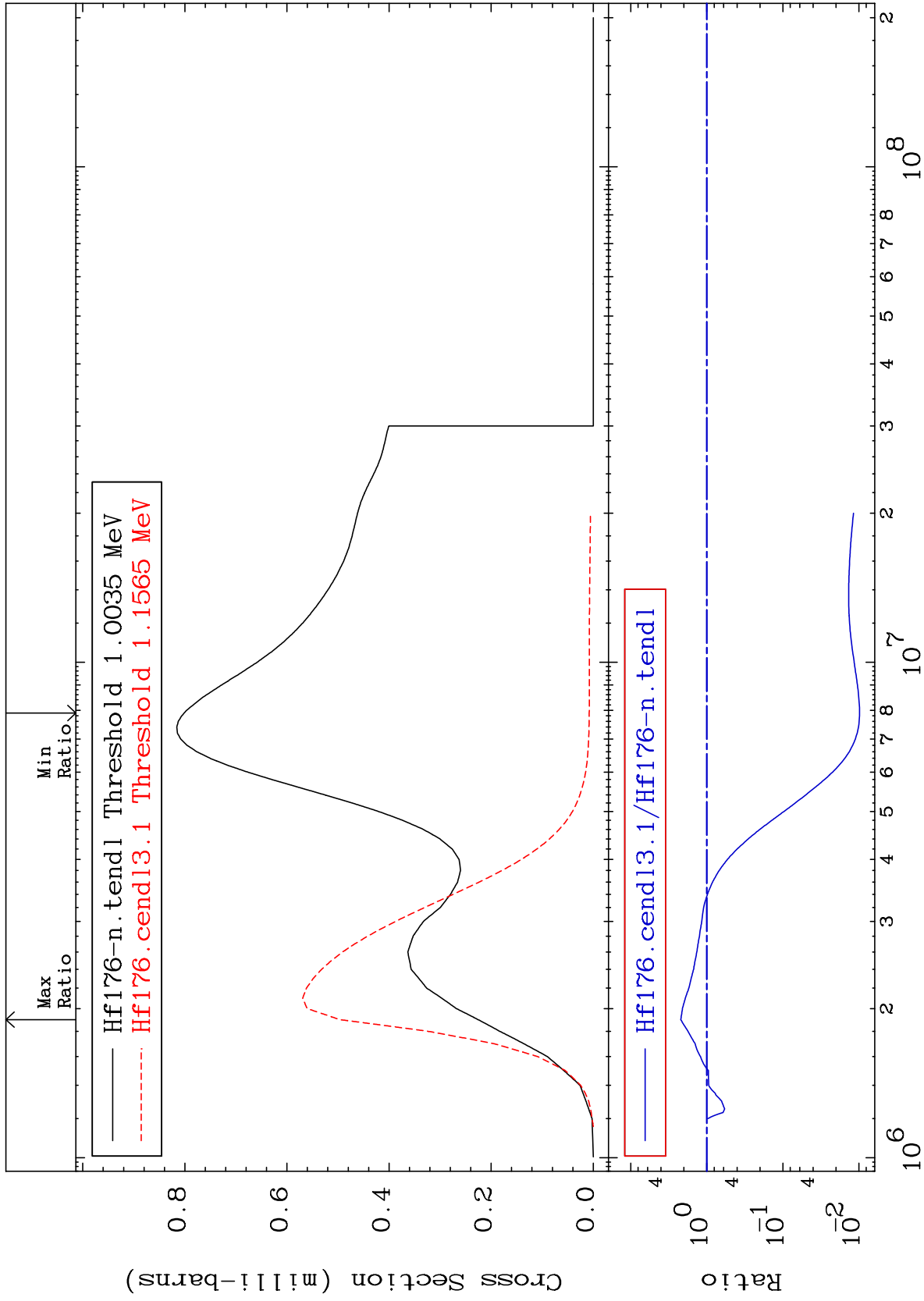
MAT 7231

997.7 keV (n,n') Level

⁷²Hf-176

Cross Section

-99.02 To 120.0 %



11

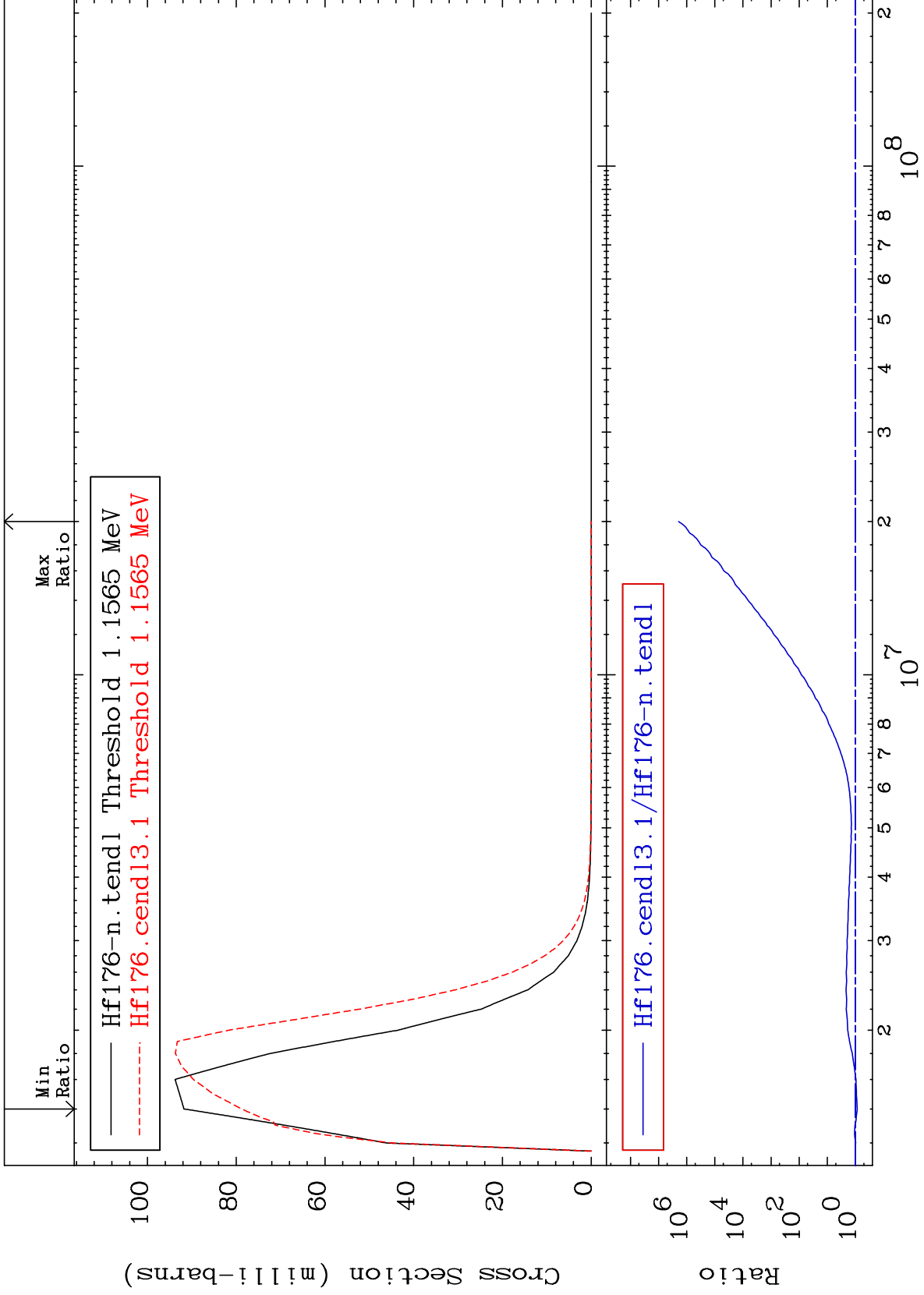
Incident Energy (eV)

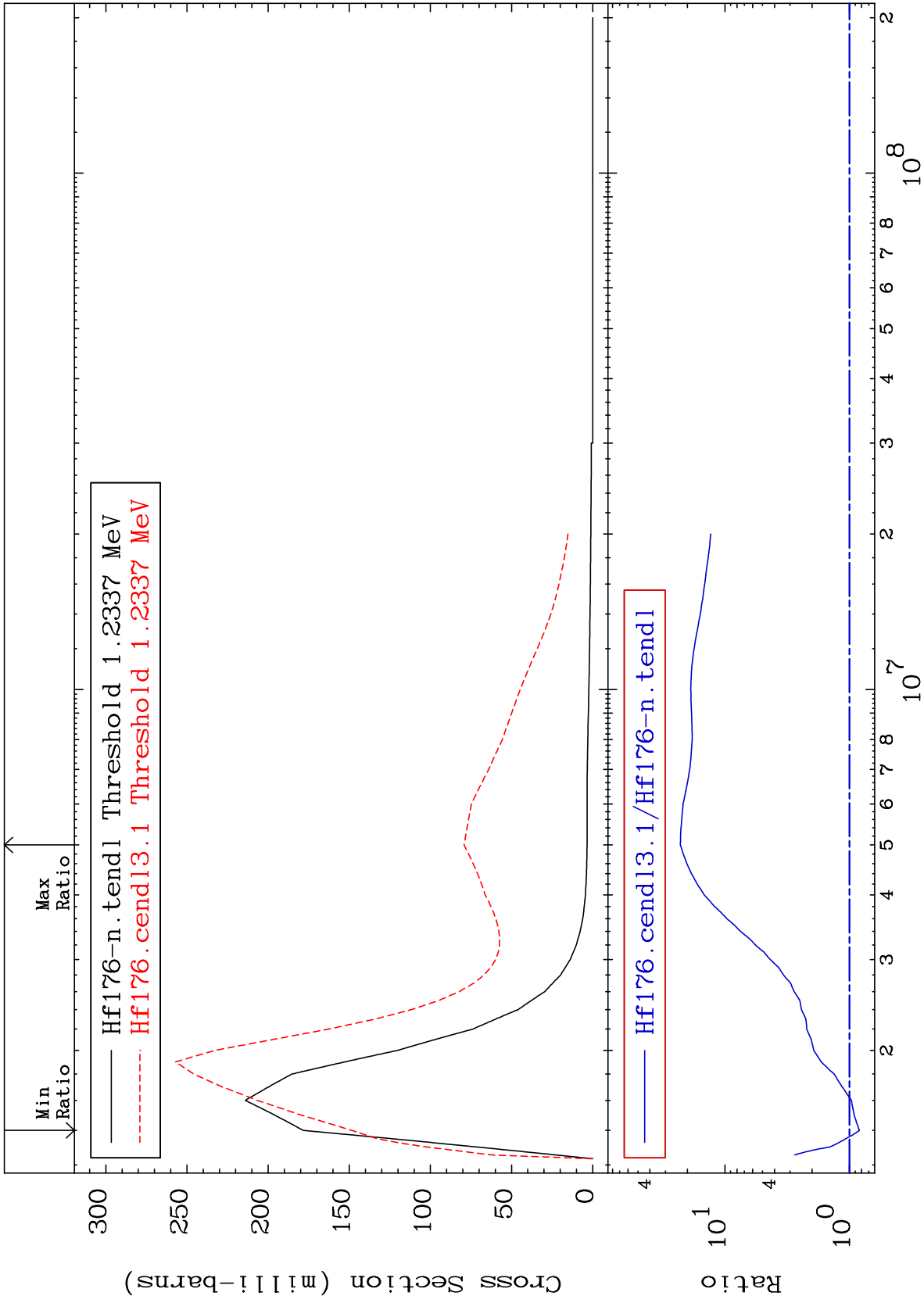
⁷²Hf-176

MAT 7231

1.150 MeV (n,n') Level
Cross Section

72-Hf-176
-14.13 To 9999. %

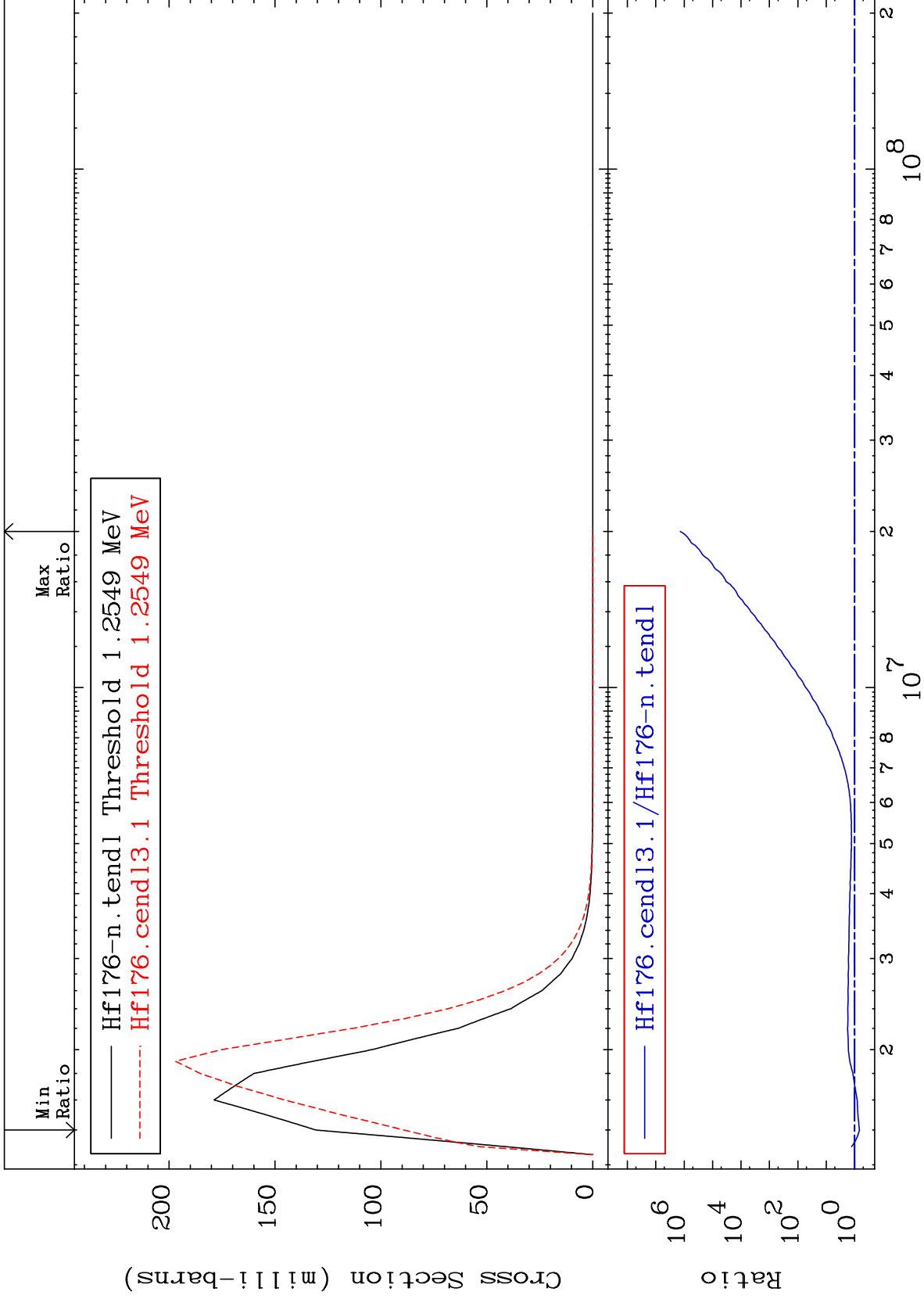




MAT 7231

1.248 MeV (n,n') Level
Cross Section

72-Hf-176
-31.81 To 9999. %



14

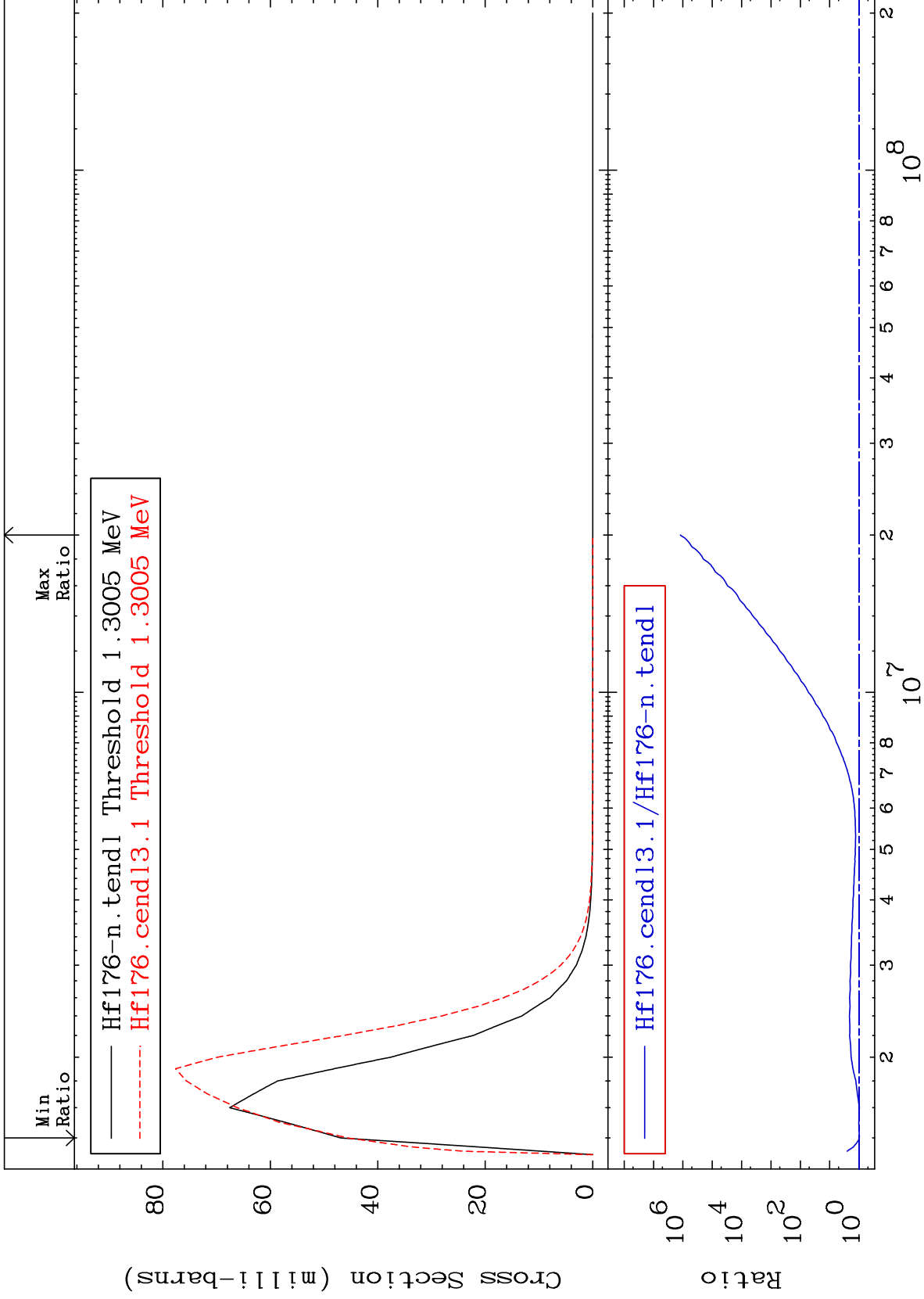
Incident Energy (eV)

72-Hf-176

MAT 7231

1.293 MeV (n,n') Level
Cross Section

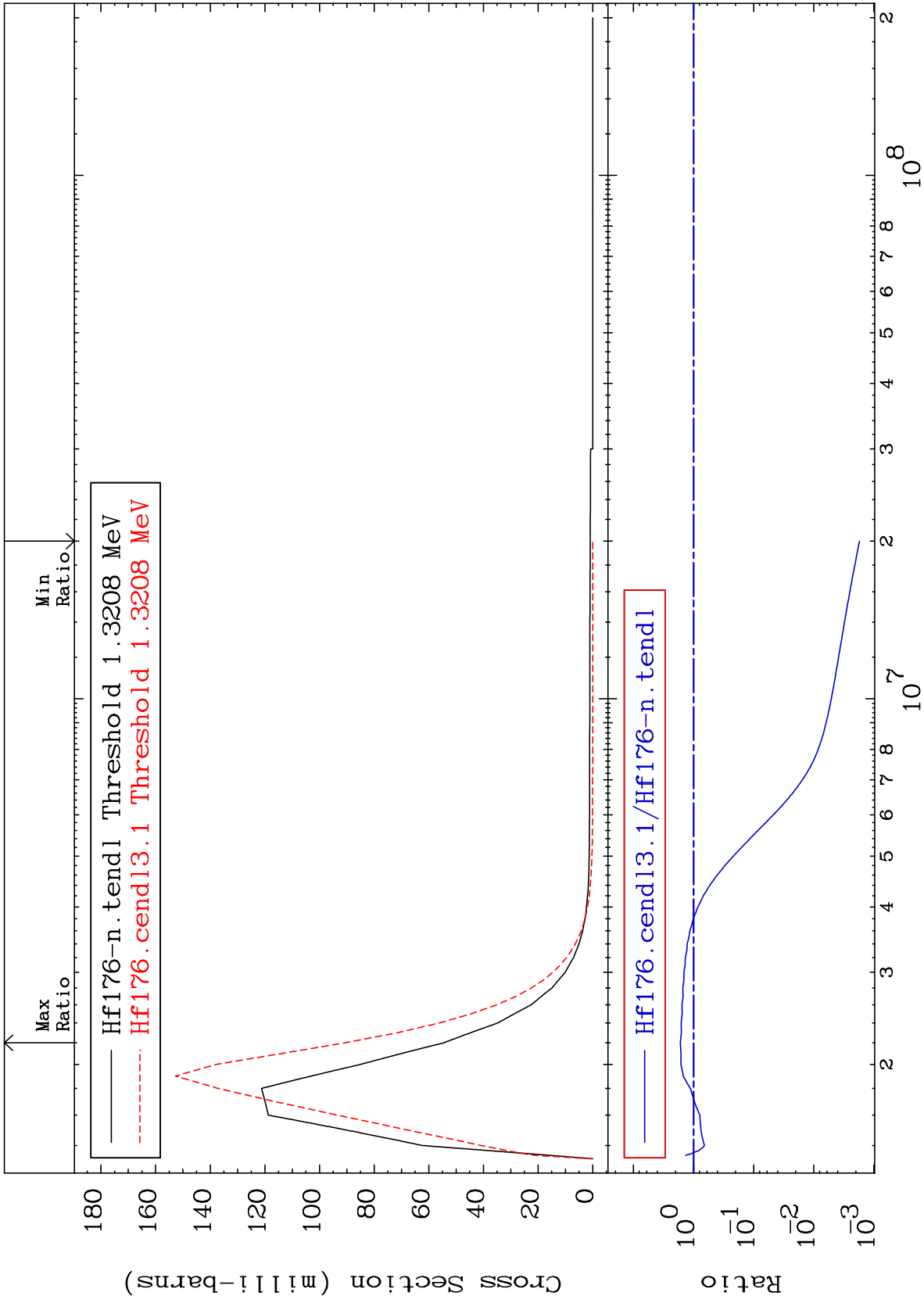
72-Hf-176
-2.793 To 9999. %



MAT 7231

1.313 MeV (n,n') Level
Cross Section

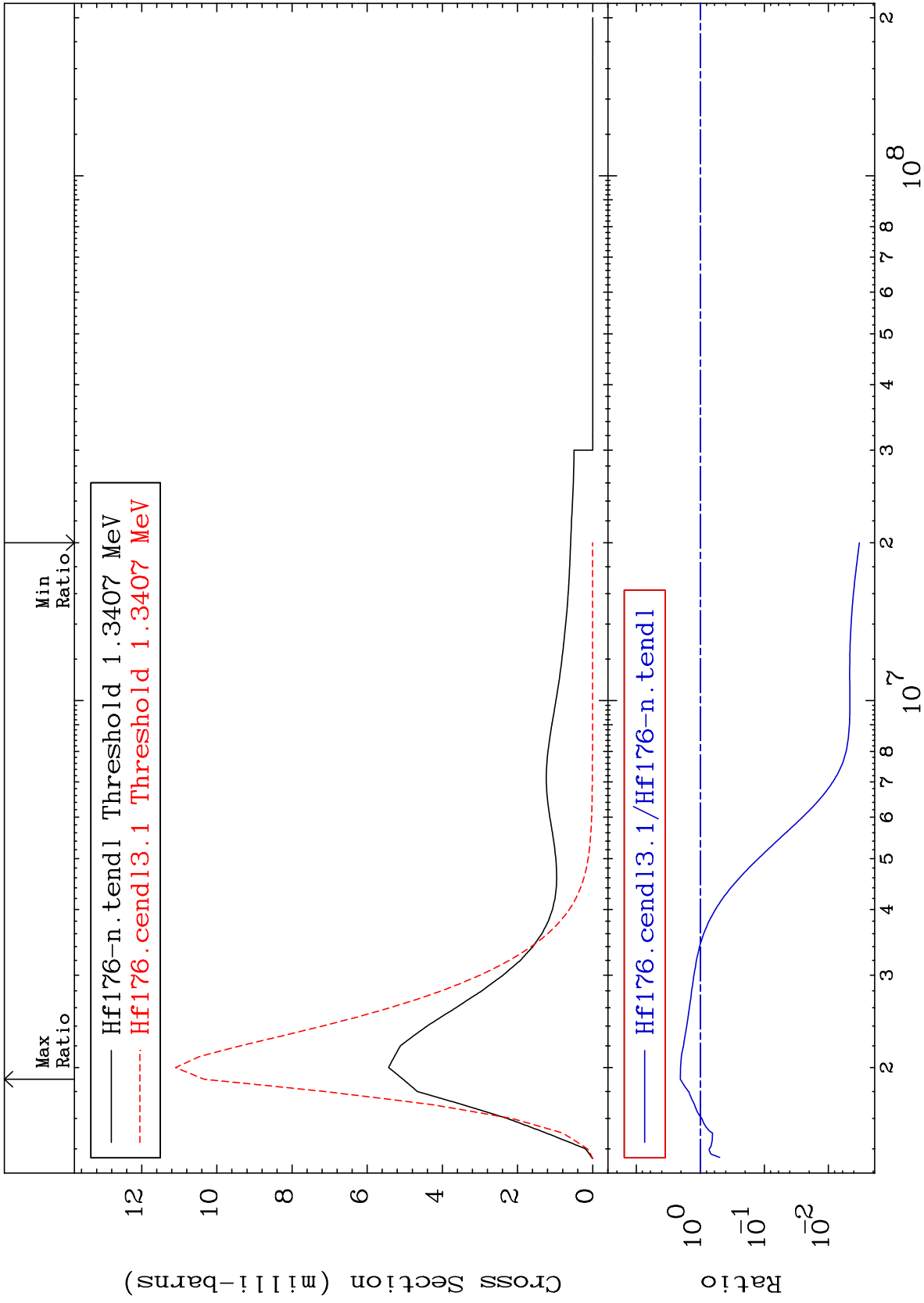
⁷²Hf-176
-99.83 To 65.89 %



MAT 7231

1.333 MeV (n,n') Level
Cross Section

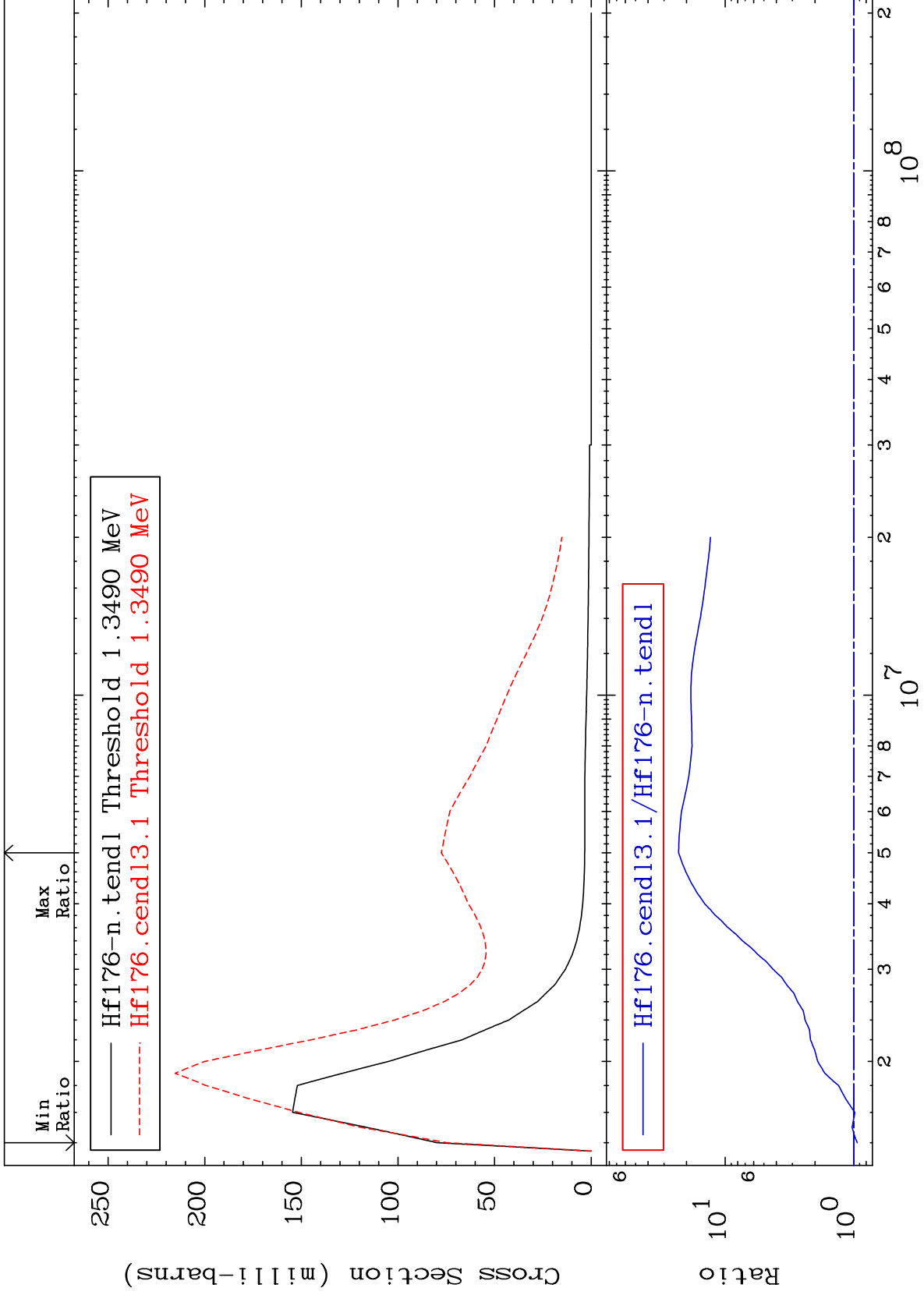
72-Hf-176
-99.67 To 104.8 %

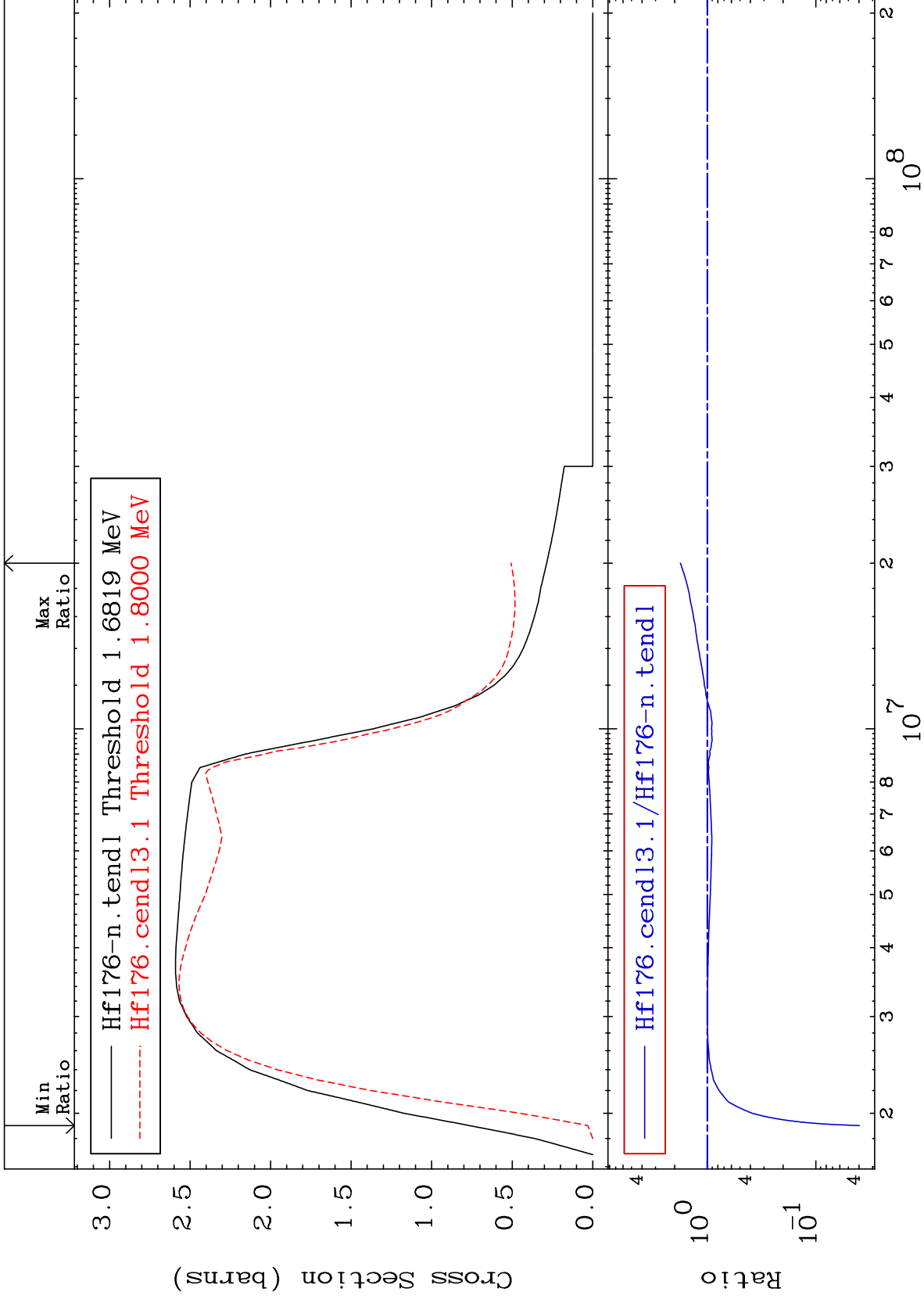


17

Incident Energy (eV)

72-Hf-176

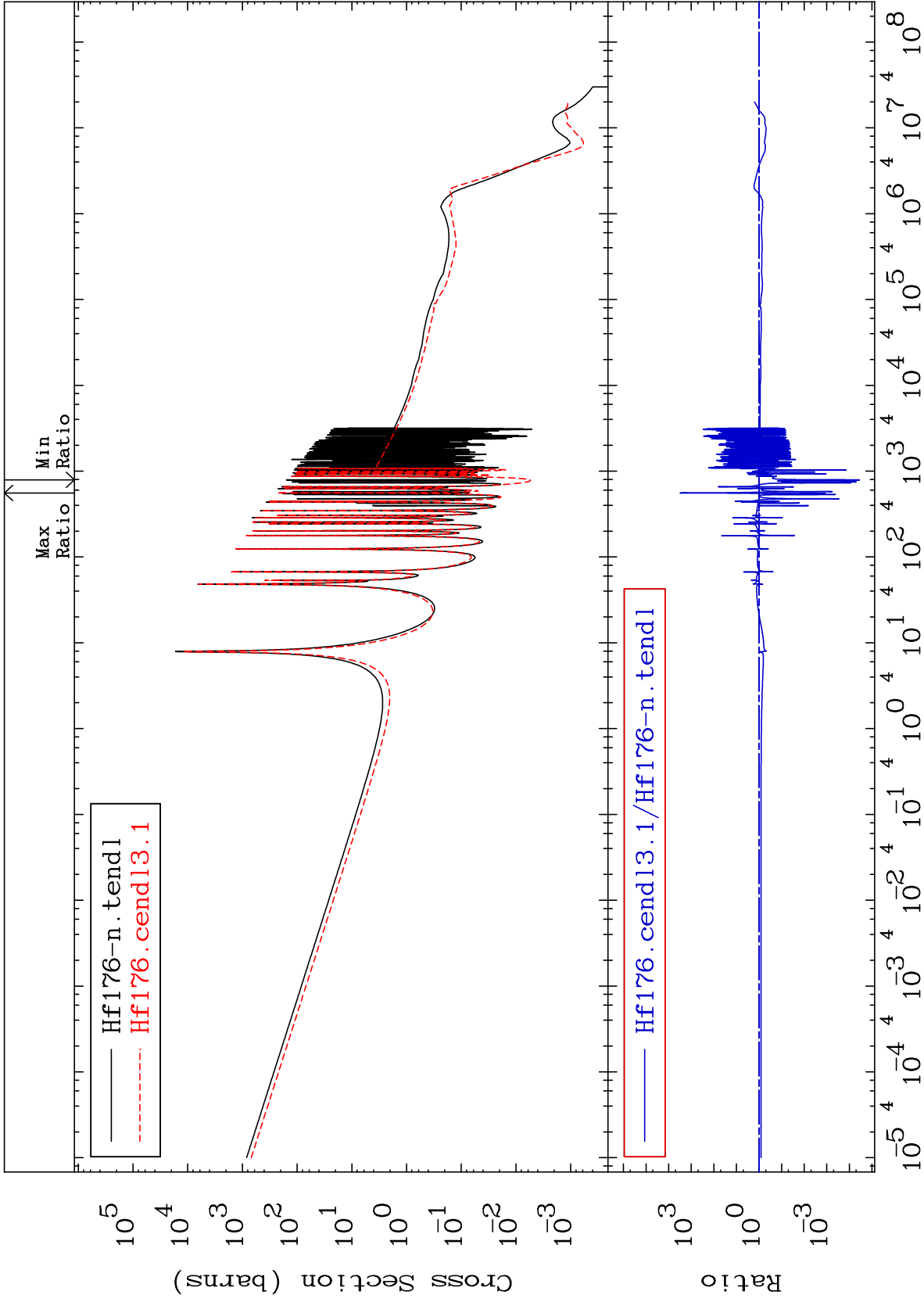




MAT 7231

(n, γ)
Cross Section

72-Hf-176
-100.0 To 9999. %



20

Incident Energy (eV)

72-Hf-176

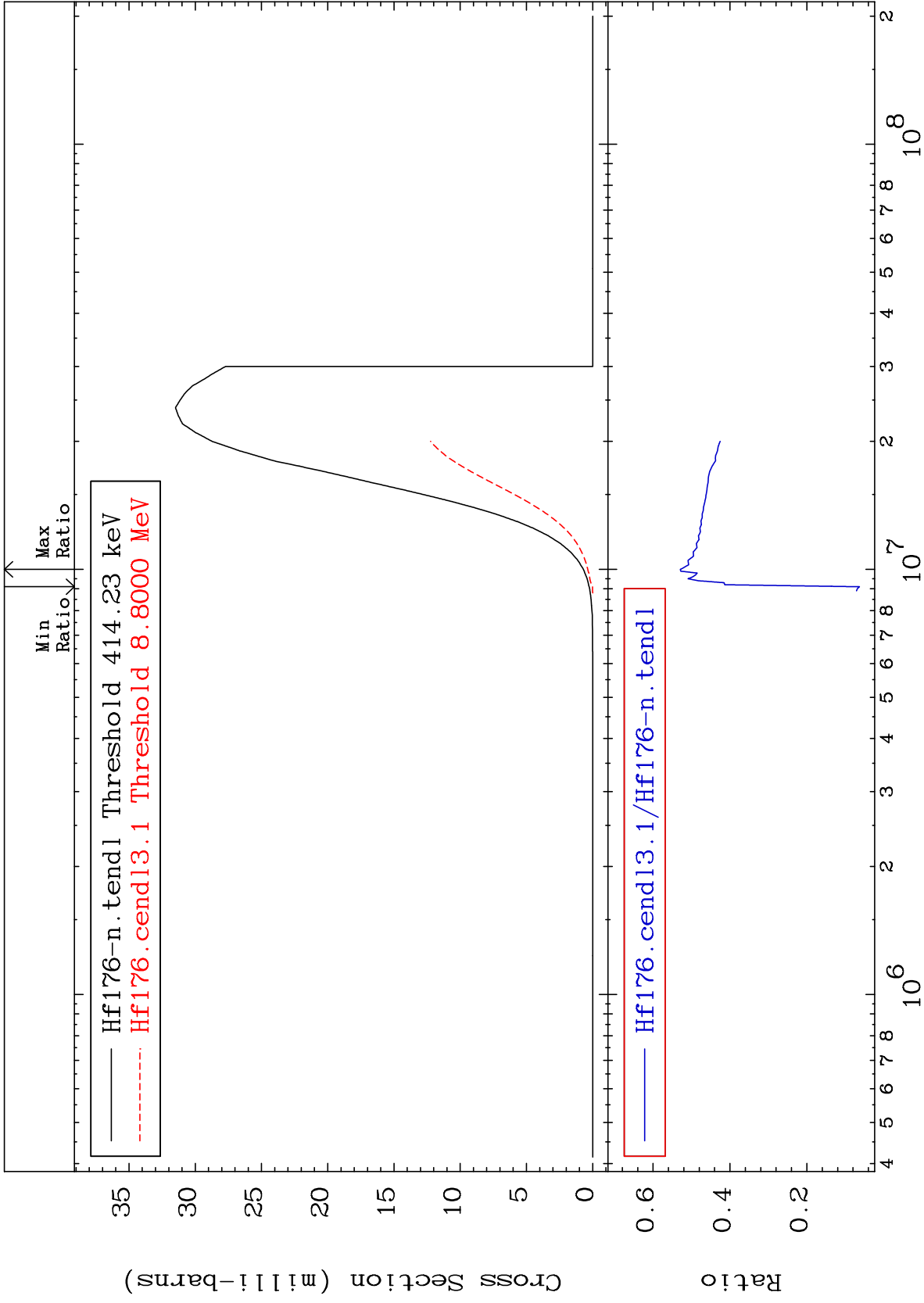
MAT 7231

(n, p)

⁷²Hf-176

Cross Section

-93.67 To -47.09%



21

Incident Energy (eV)

⁷²Hf-176

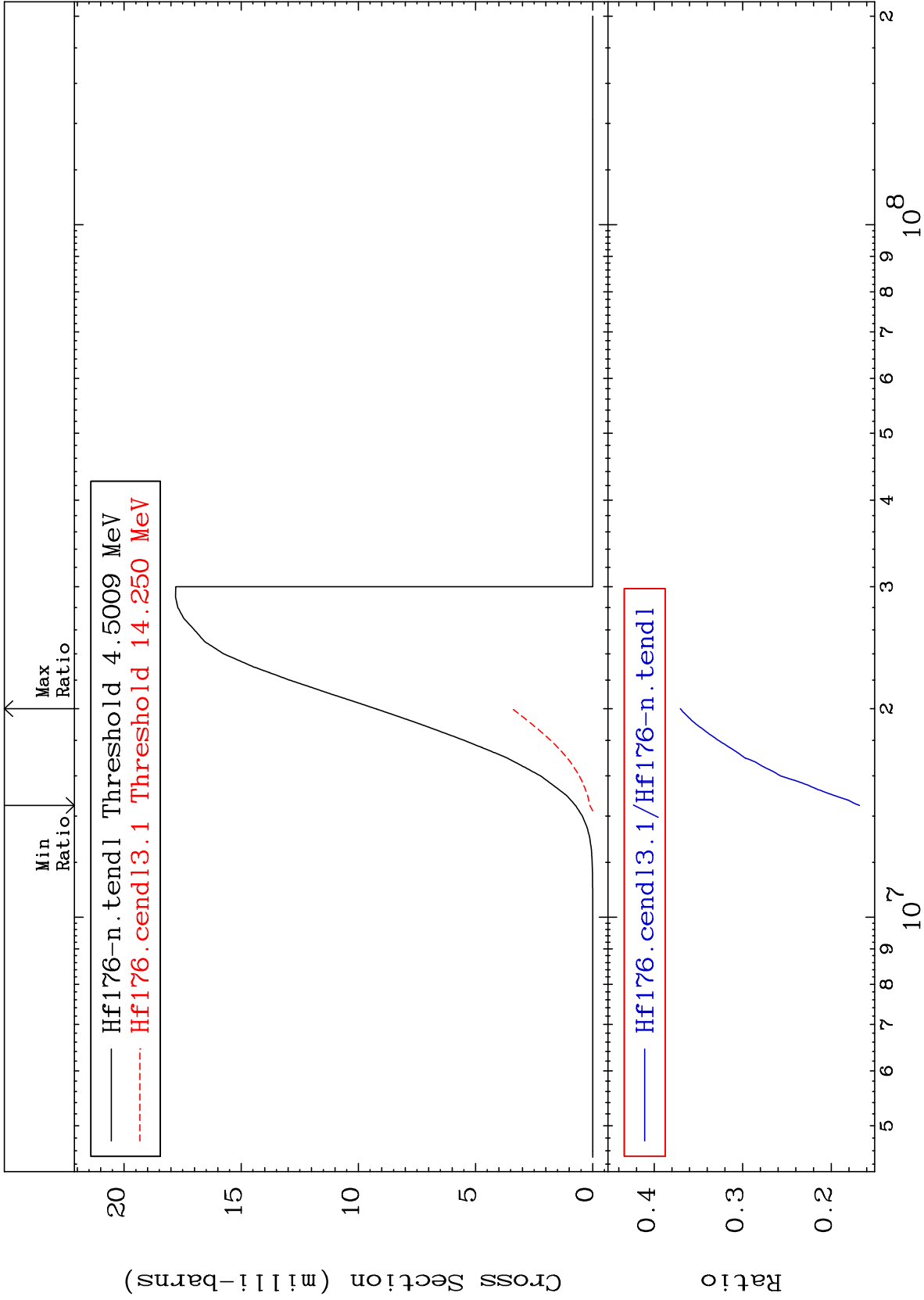
MAT 7231

(n, d)

72-Hf-176

Cross Section

-83.17 To -62.96%



22

Incident Energy (eV)

72-Hf-176

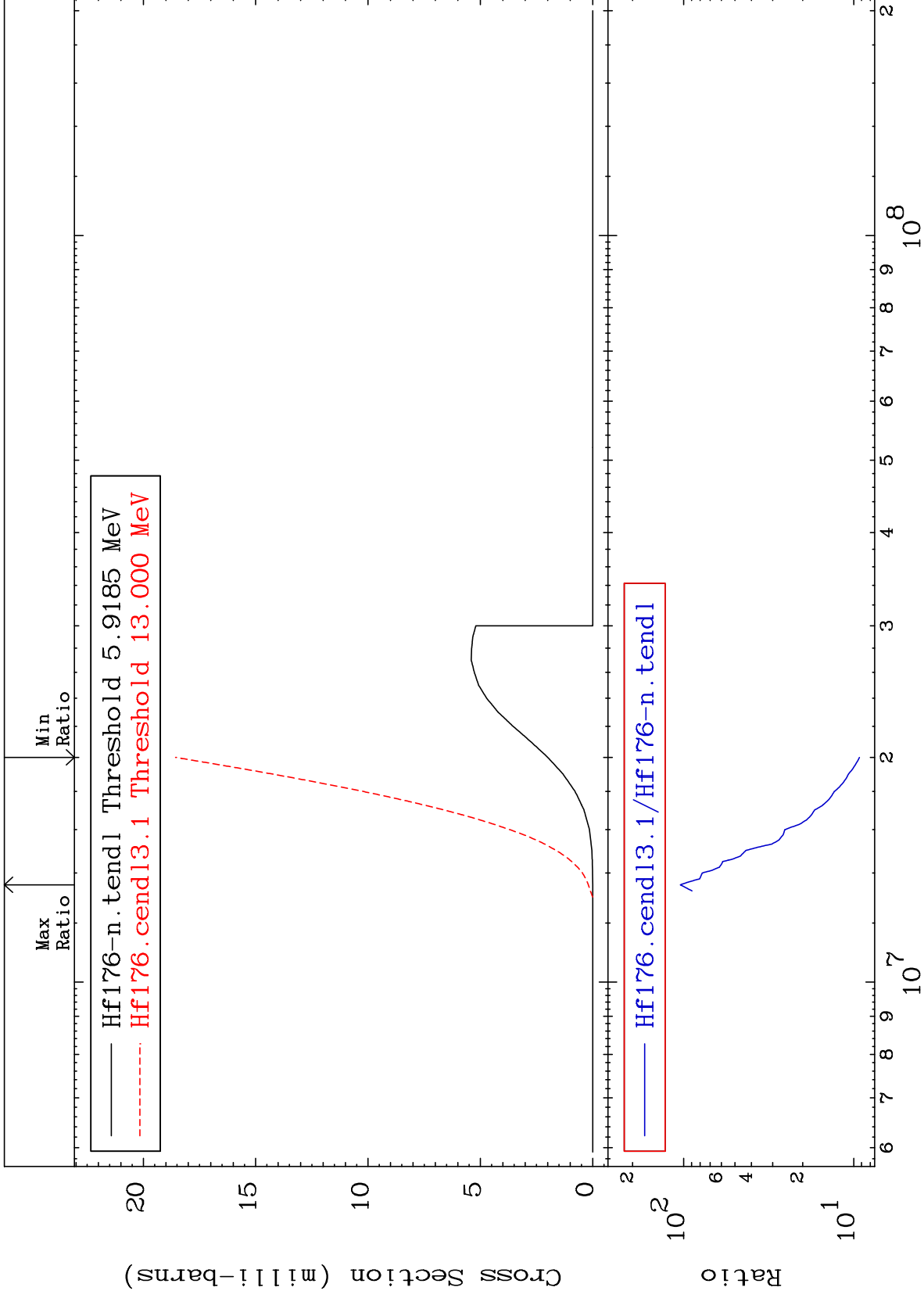
MAT 7231

(n, t)

72-Hf-176

Cross Section

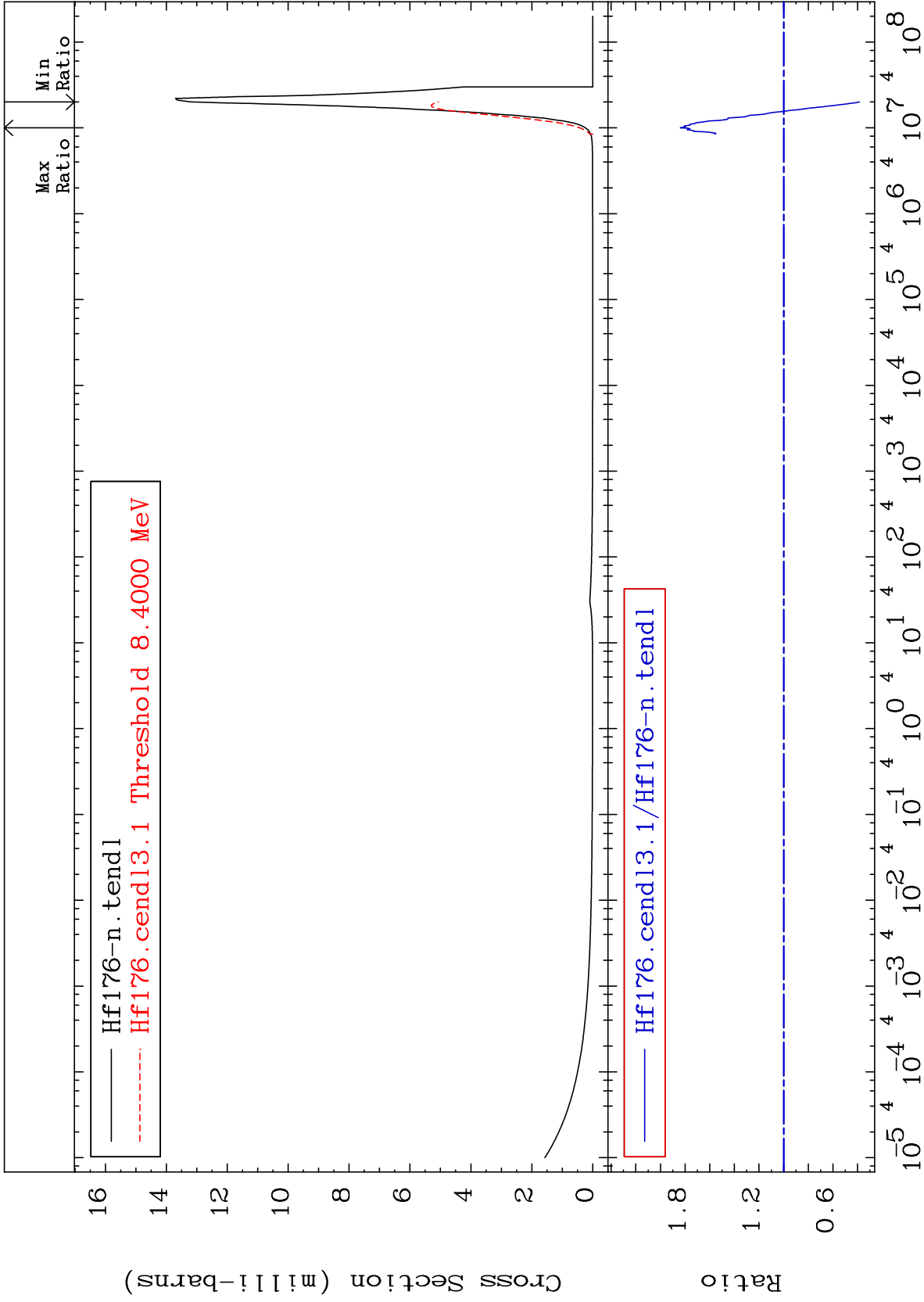
827.0 To 9999. %



MAT 7231

(n, α)
Cross Section

72-Hf-176
-61.49 To 83.83 %



24

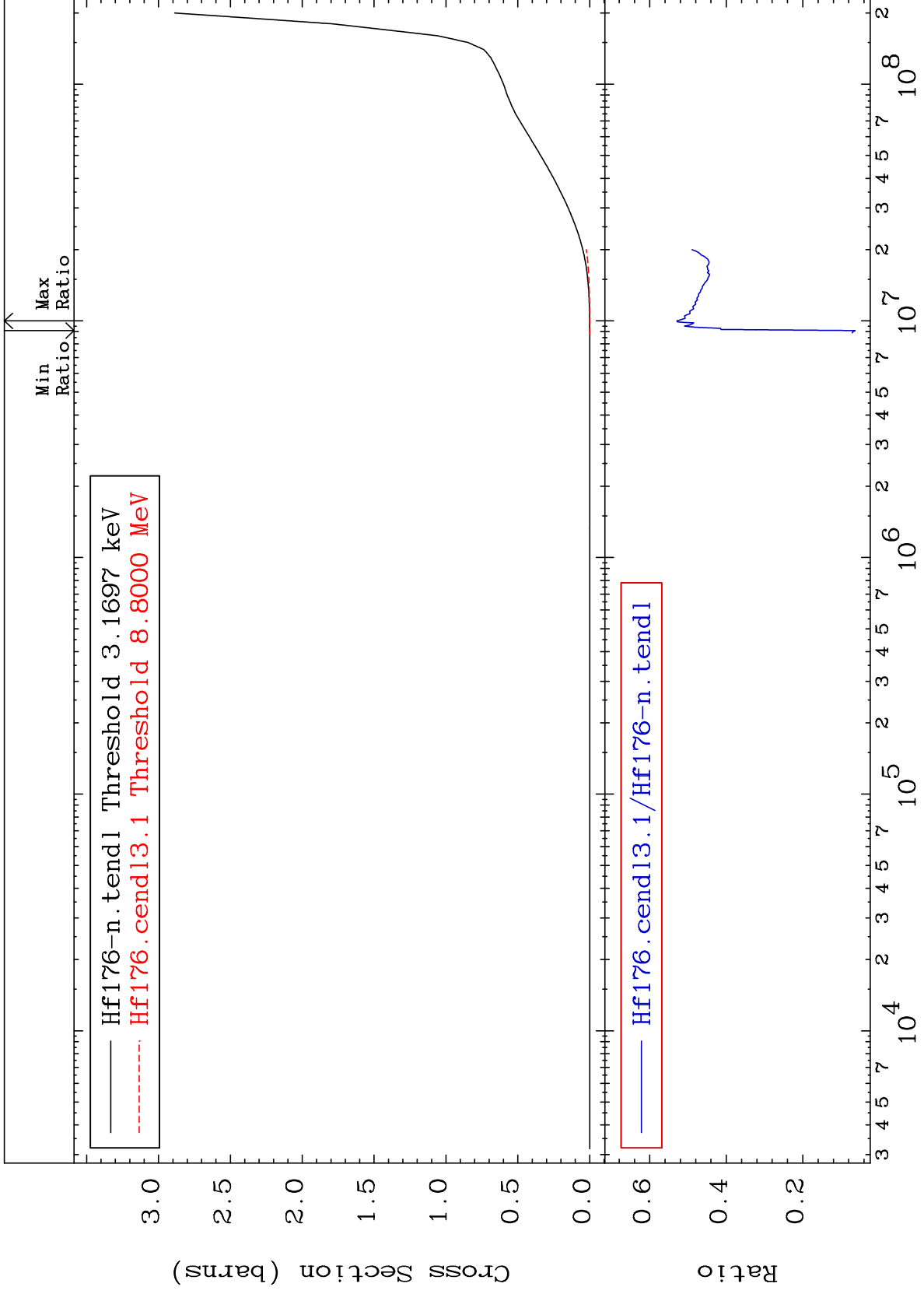
Incident Energy (eV)

72-Hf-176

MAT 7231

Hydrogen Production
Cross Section

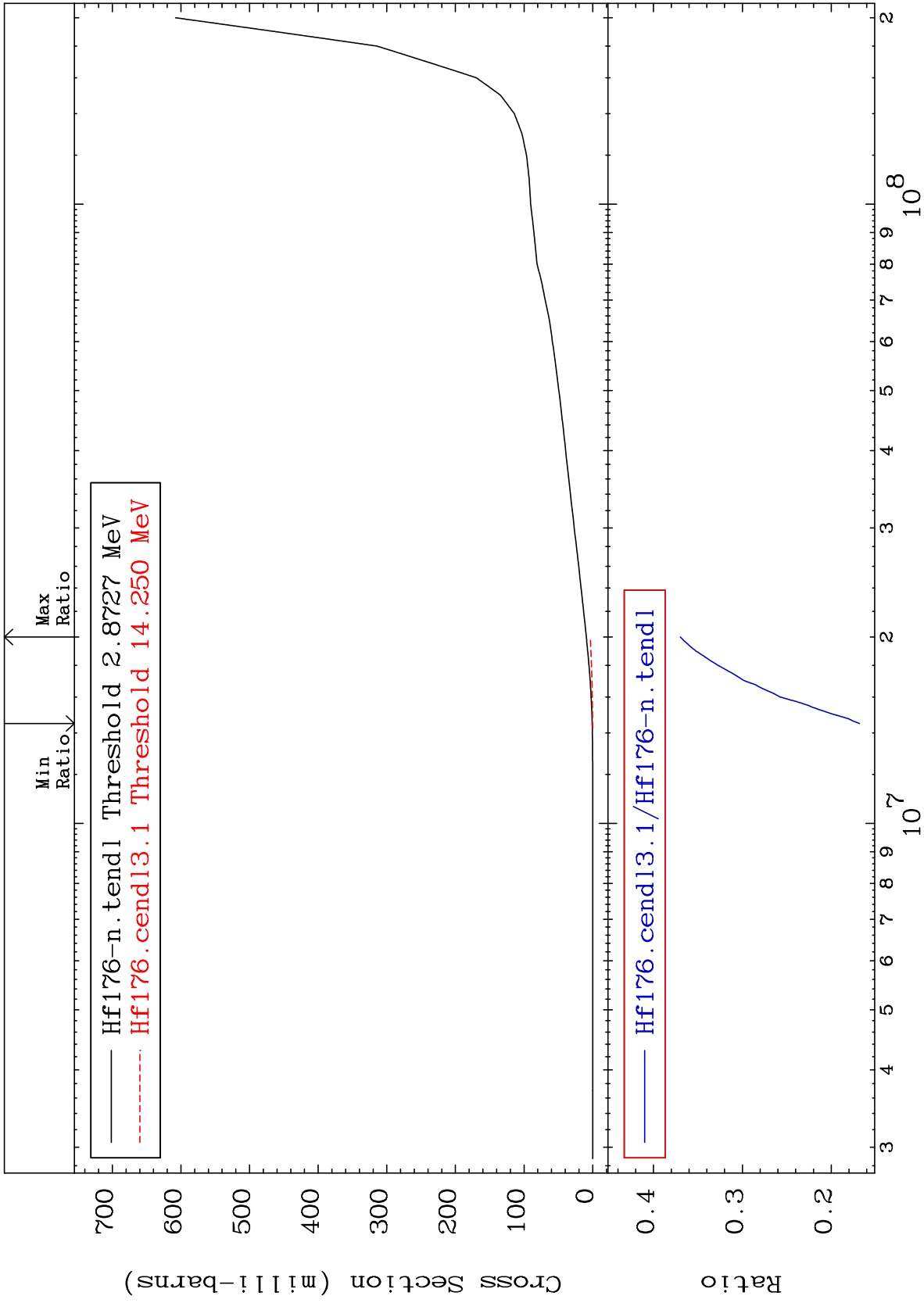
⁷²Hf-¹⁷⁶
-93.67 To -47.09%



MAT 7231

Deuterium Production
Cross Section

⁷²Hf-176
-83.17 To -63.02%



26

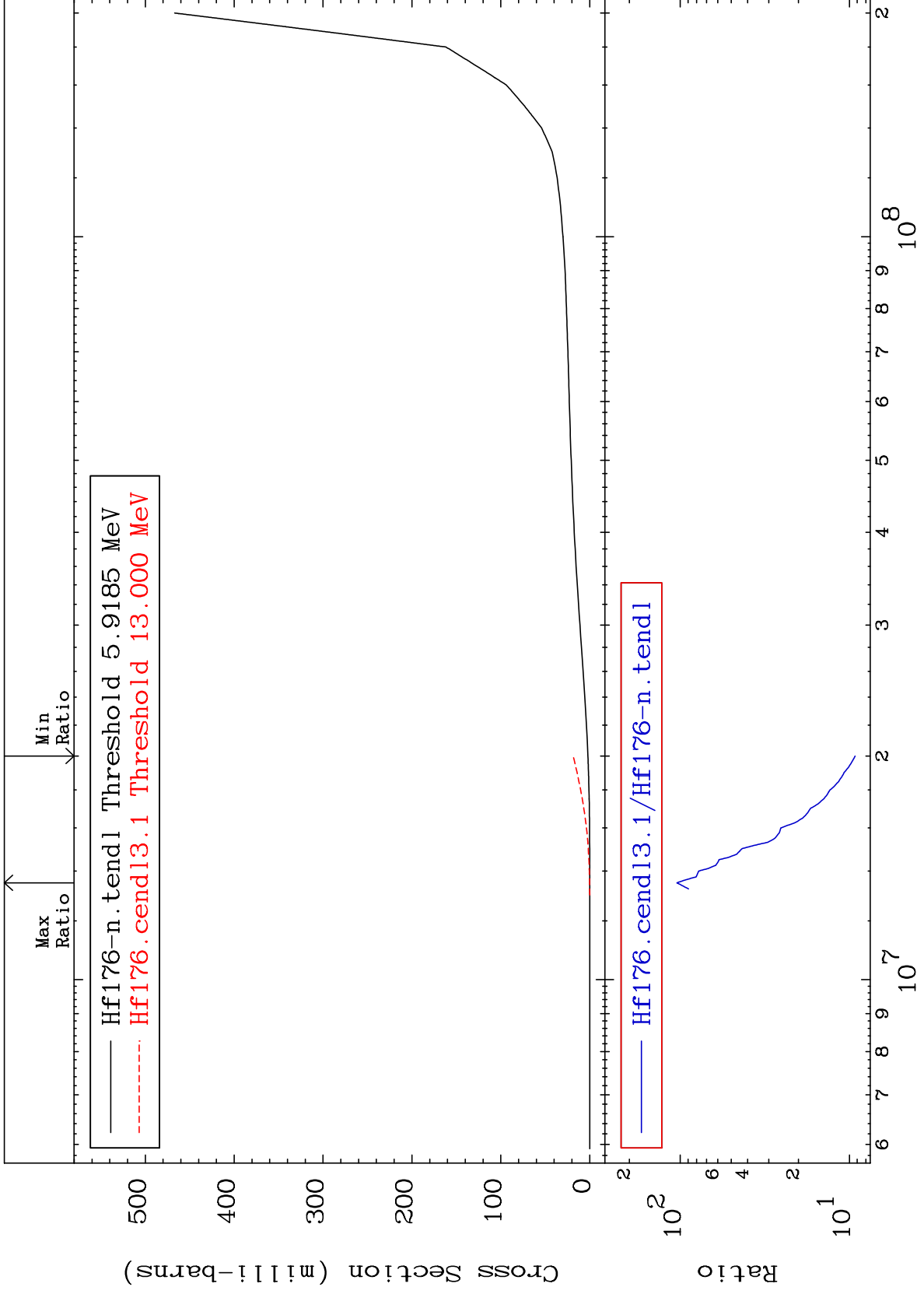
Incident Energy (eV)

⁷²Hf-176

MAT 7231

Tritium Production
Cross Section

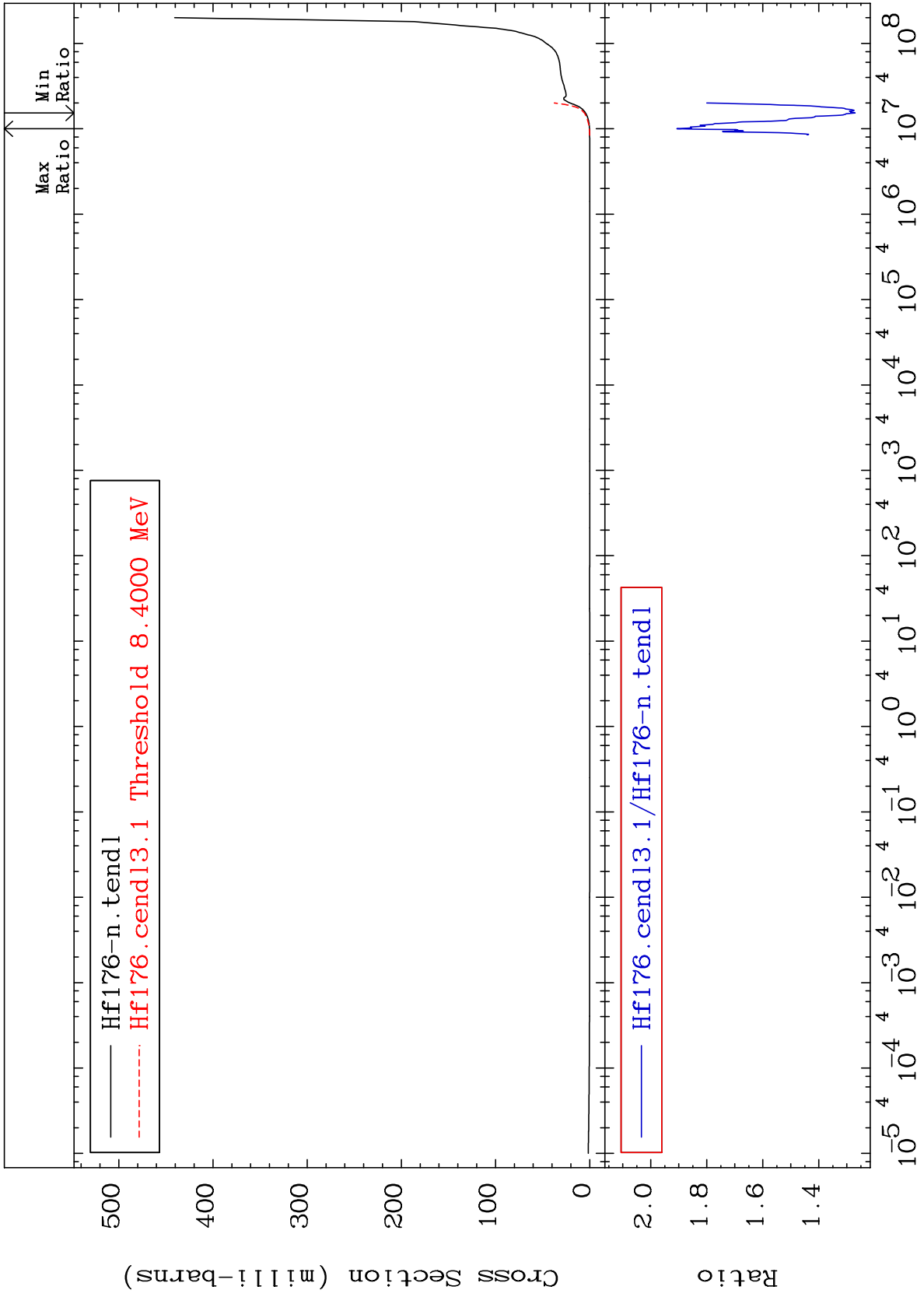
72-Hf-176
825.6 To 9999. %



MAT 7231

He-4 Production
Cross Section

72-Hf-176
27.05 To 90.68 %



28

Incident Energy (eV)

72-Hf-176

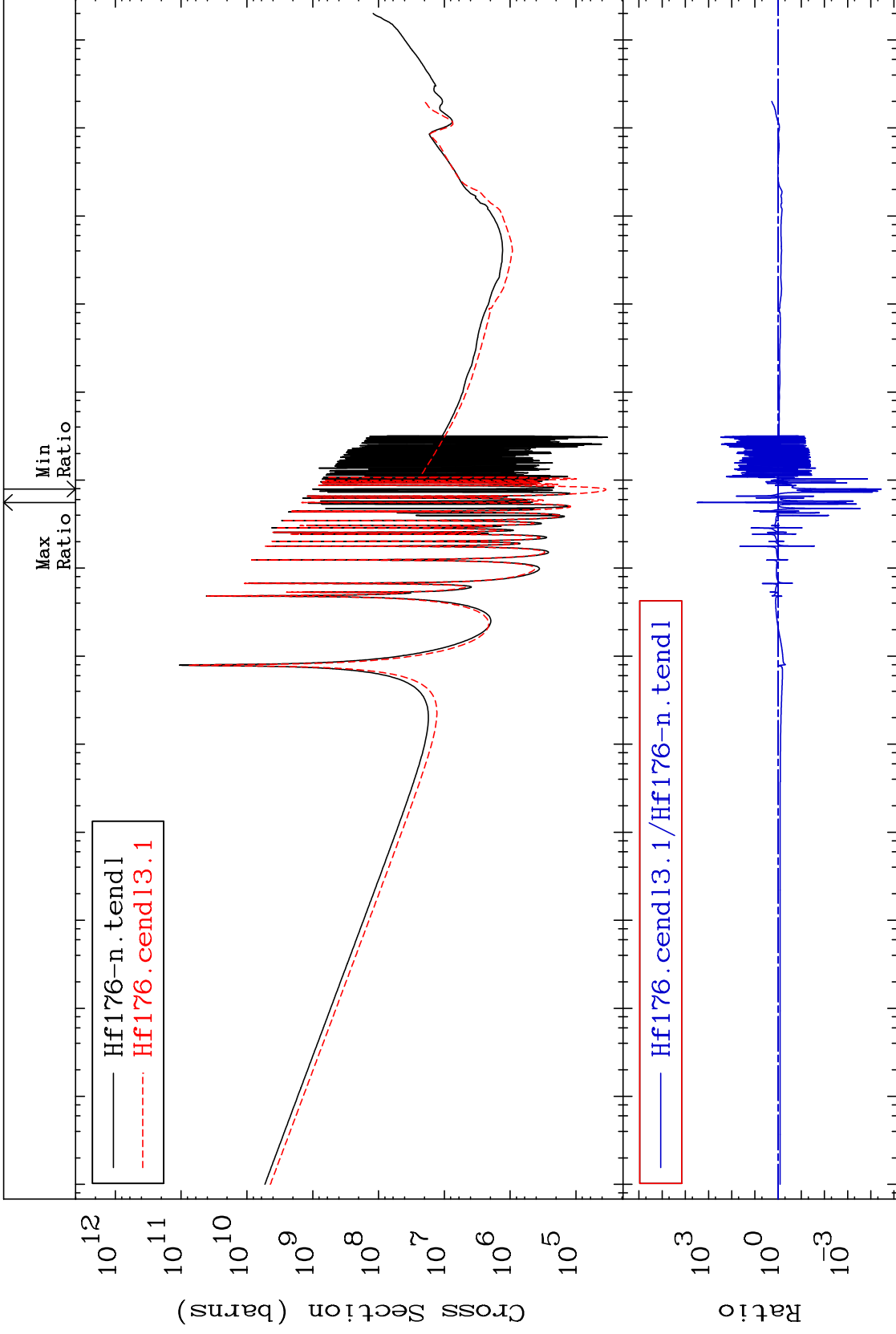
MAT 7231

Kerma total (eV-barns)

72-Hf-176

-100.0 To 9999. %

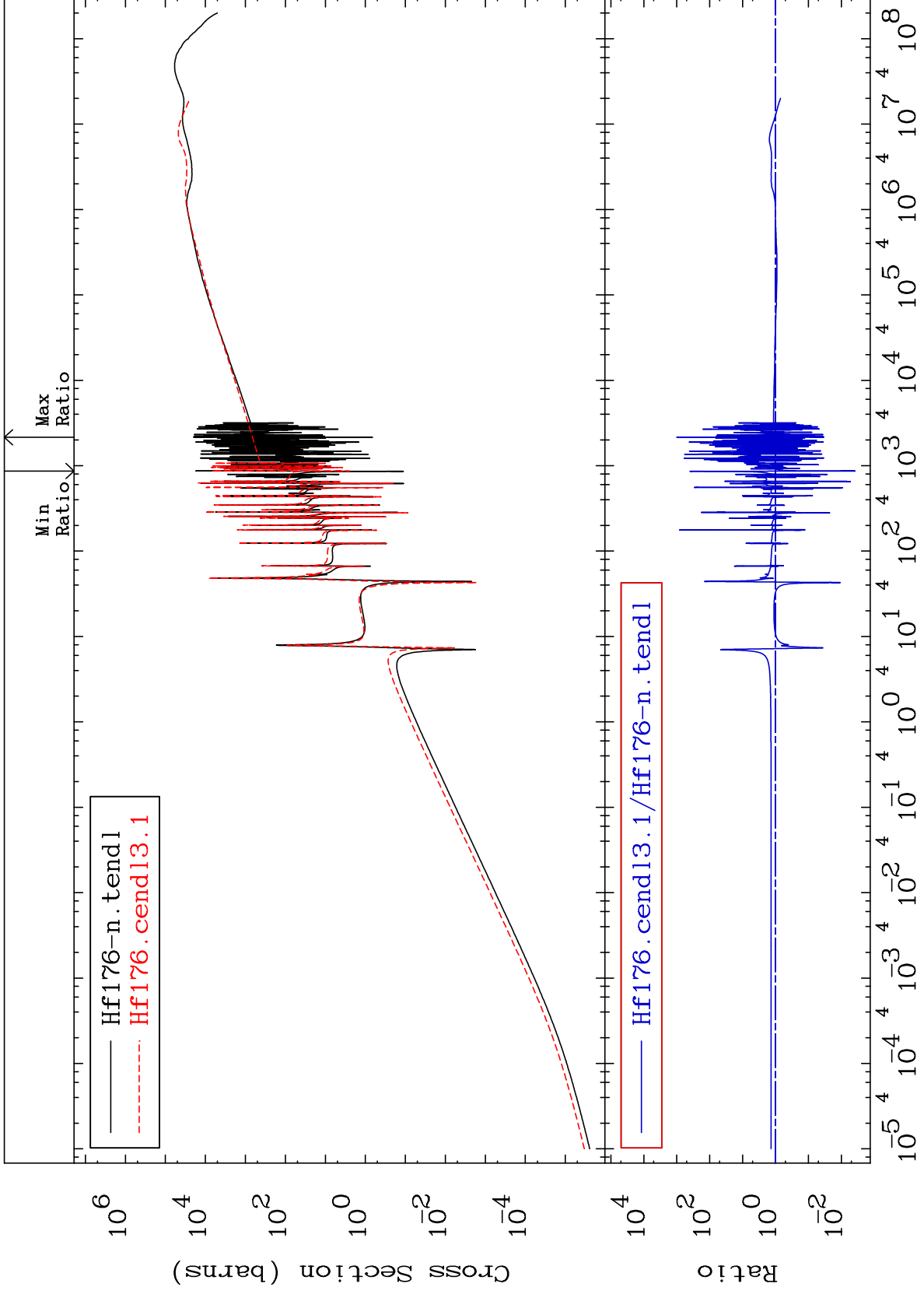
Cross Section

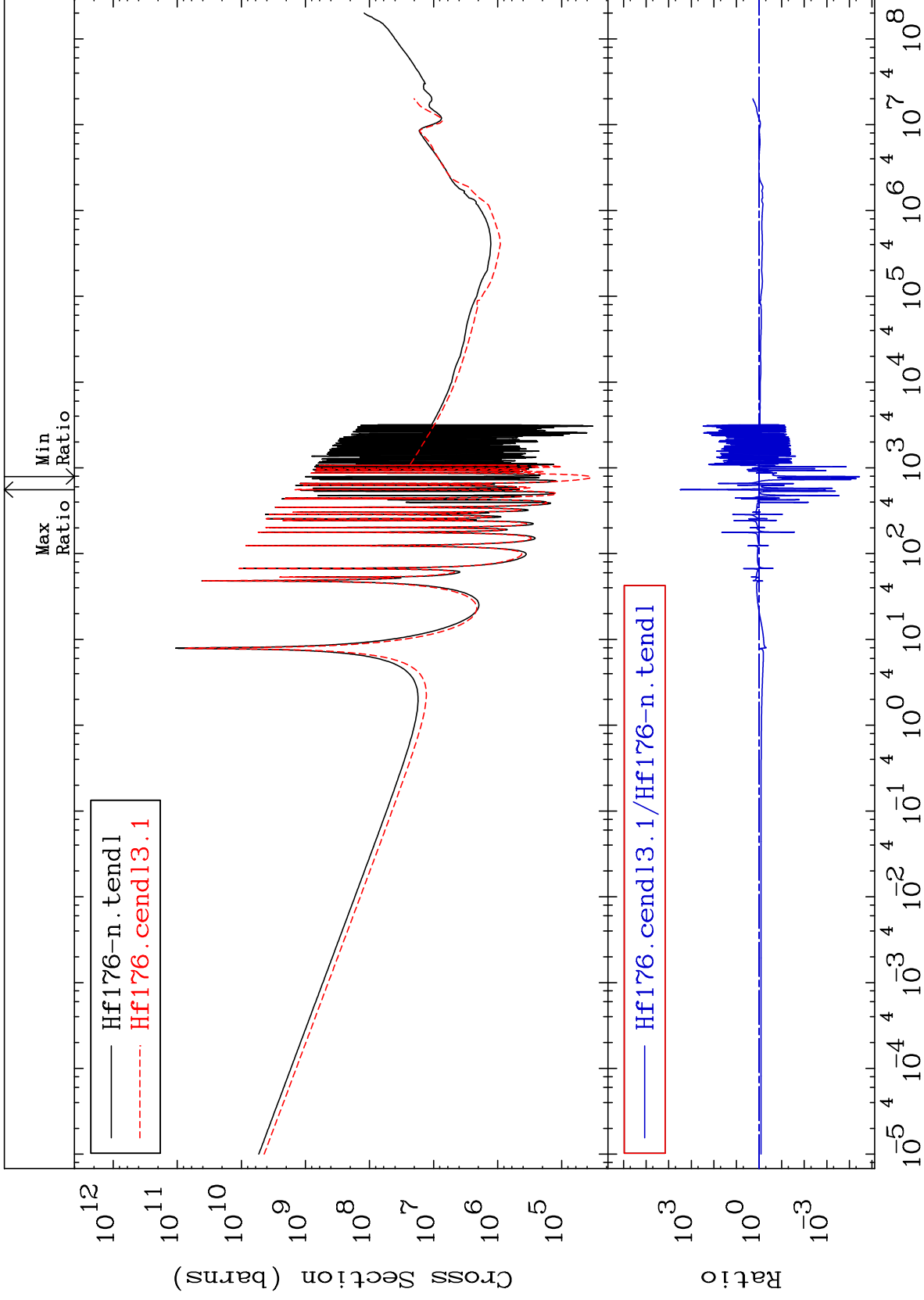


MAT 7231

Kerma elastic
Cross Section

72-Hf-176
-99.62 To 9999. %

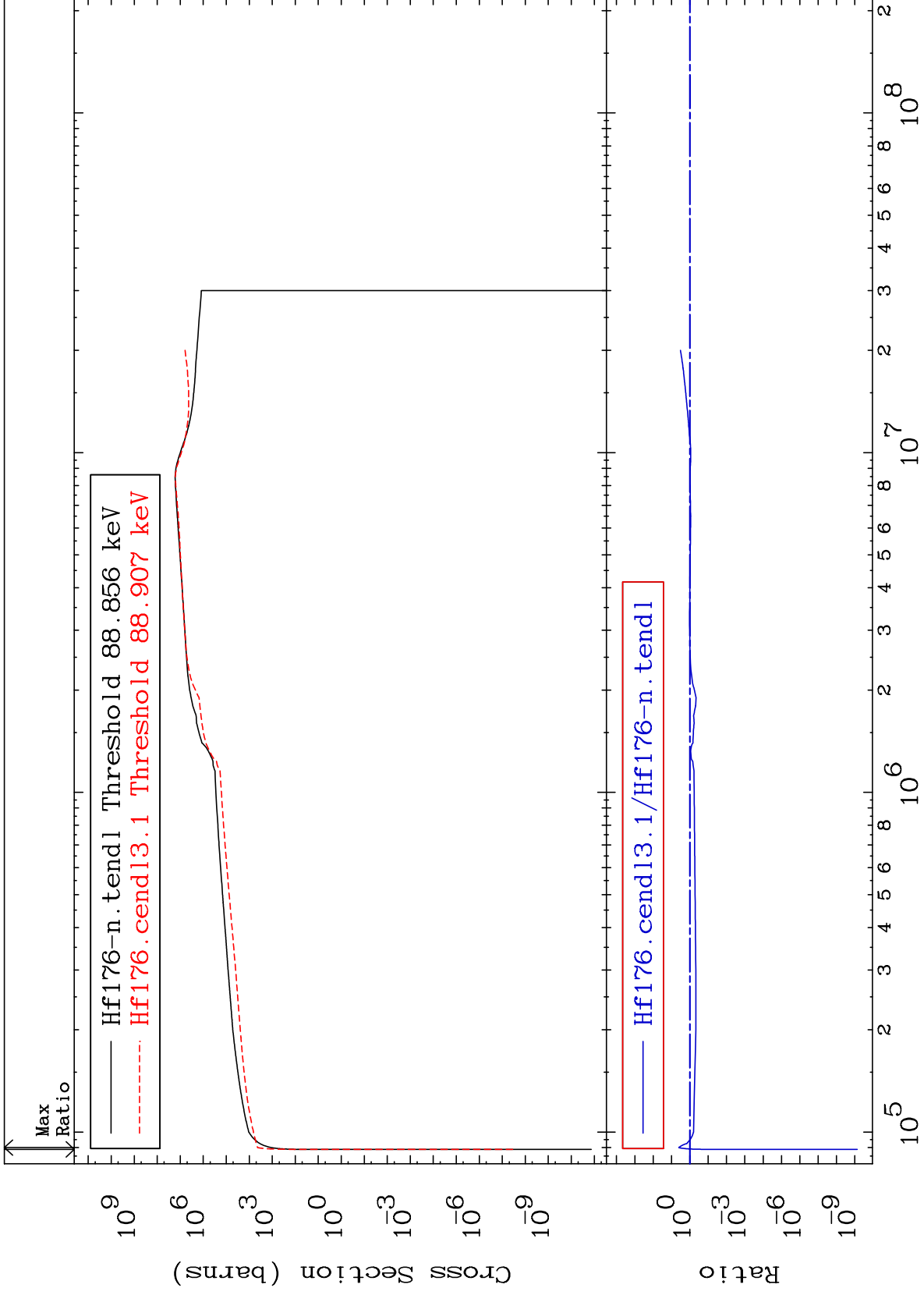




MAT 7231

Kerma inelastic (mt51-91)
Cross Section

72-Hf-176
-100.0 To 307.7 %



32

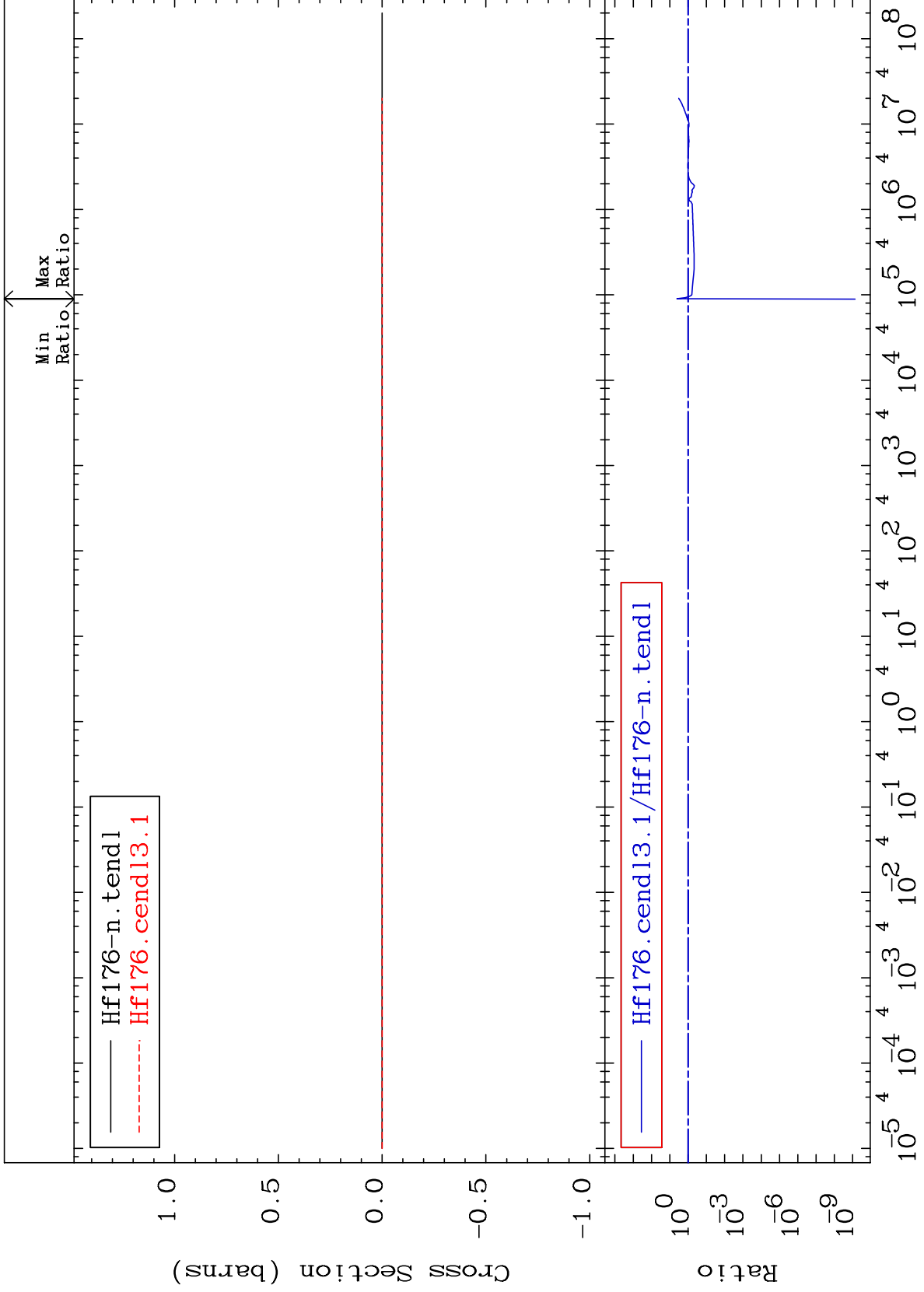
Incident Energy (eV)

72-Hf-176

MAT 7231

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

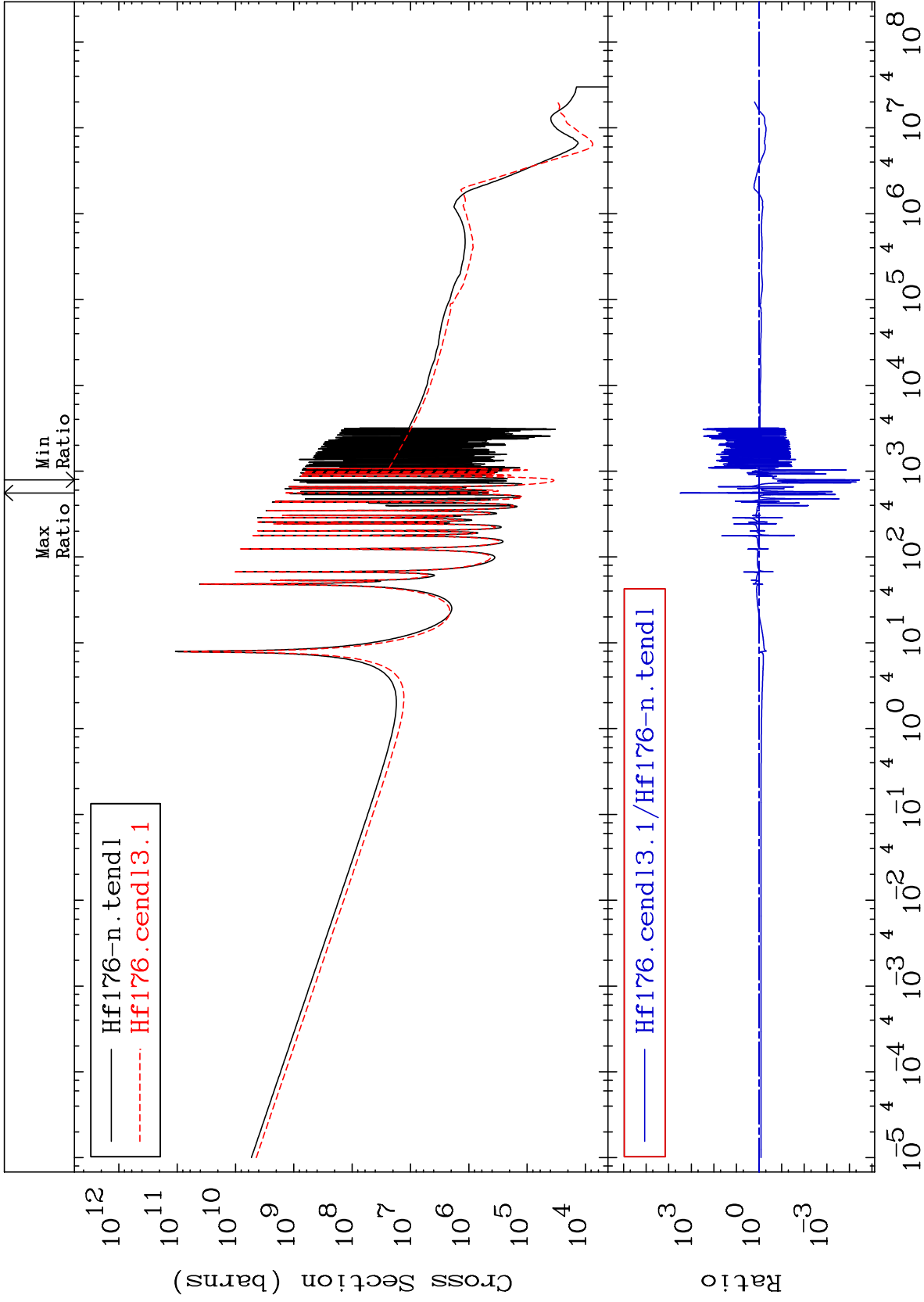
72-Hf-176
-100.0 To 307.7 %



MAT 7231

Kerma capture (mt102)
Cross Section

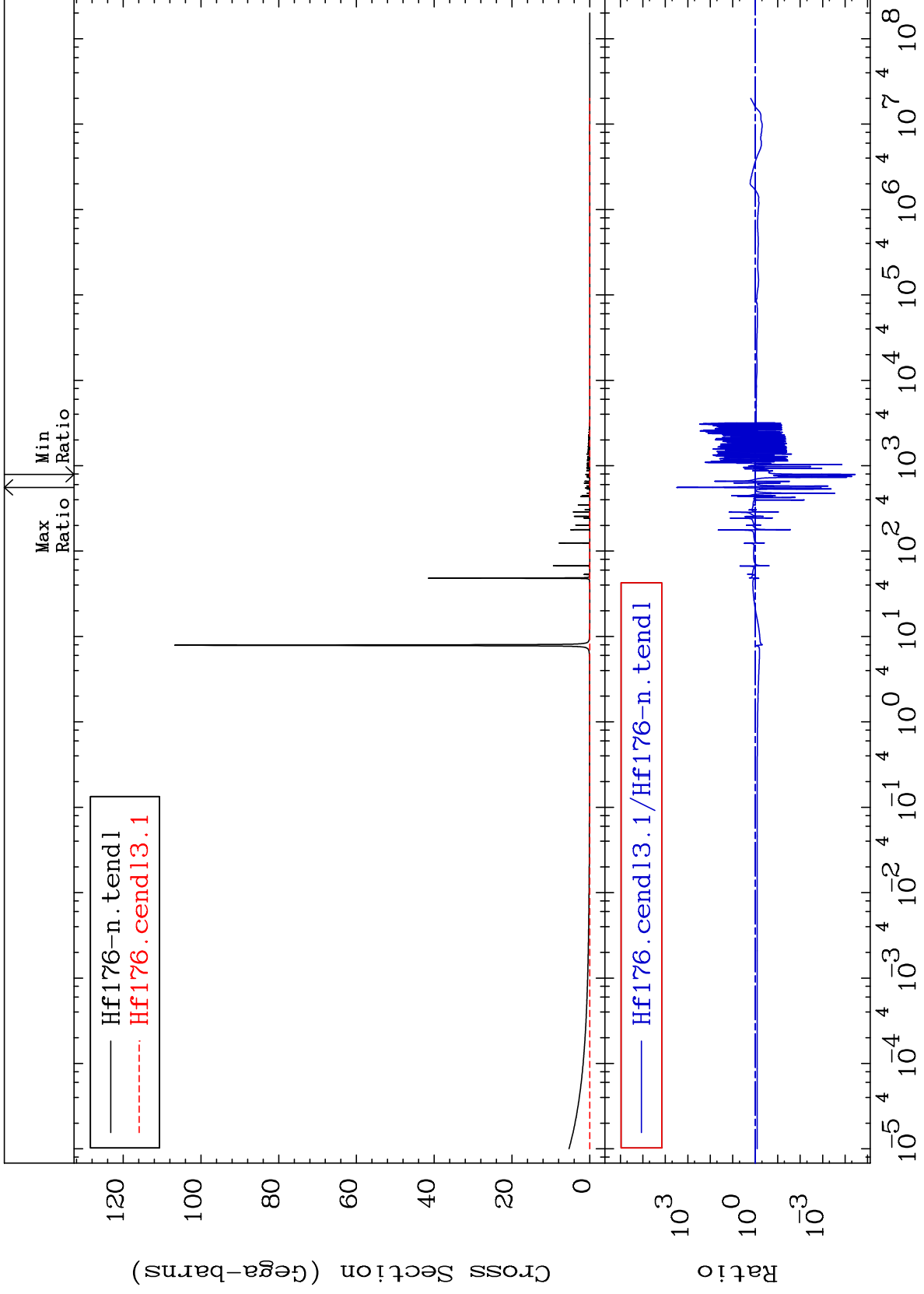
72-Hf-176
-100.0 To 9999. %



MAT 7231

Total photon (eV-barns)
Cross Section

72-Hf-176
-100.0 To 9999. %



35

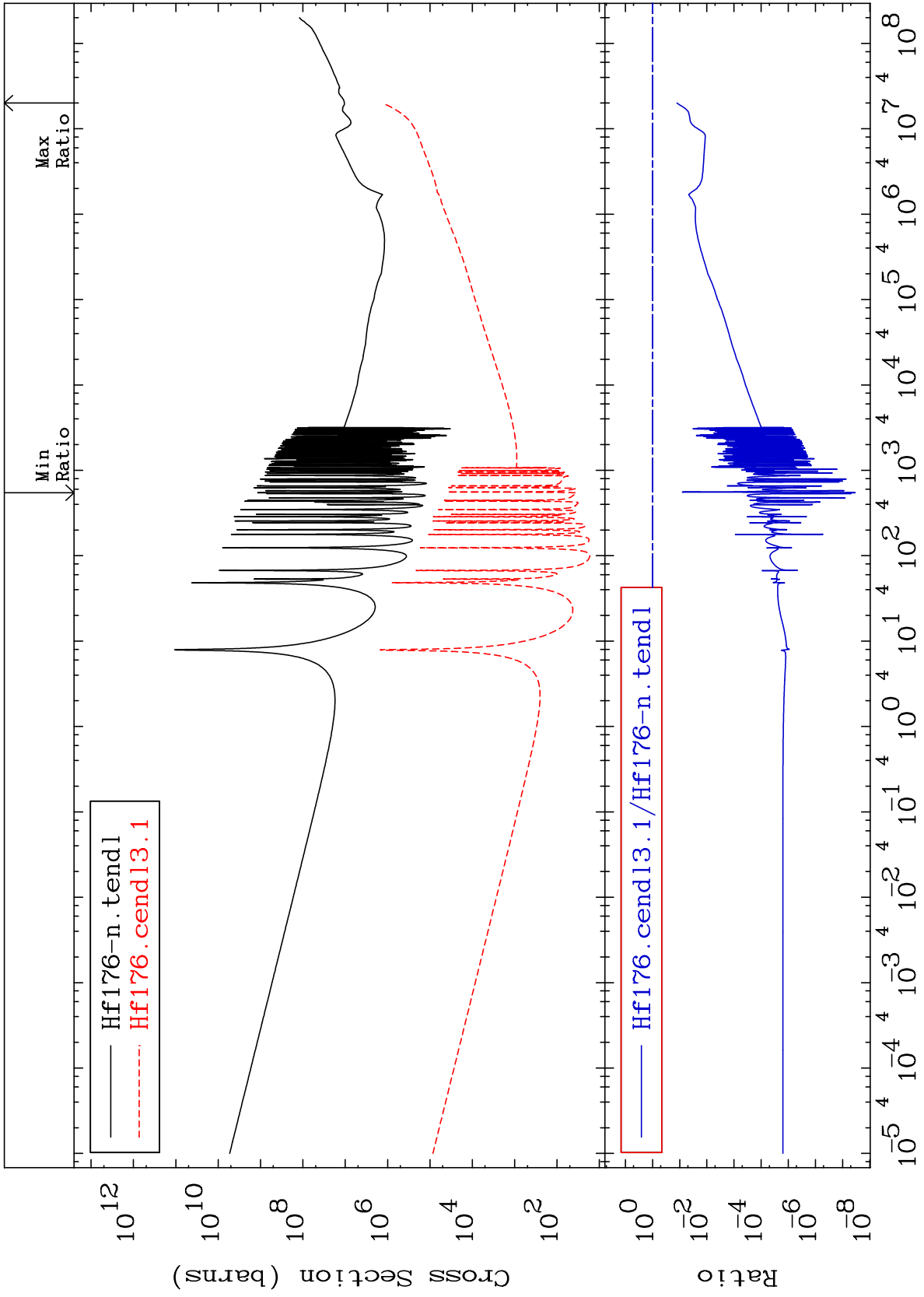
Incident Energy (eV)

72-Hf-176

MAT 7231

Total kinematic kerma (high limit)
Cross Section

72-Hf-176
-100.0 To -87.35%



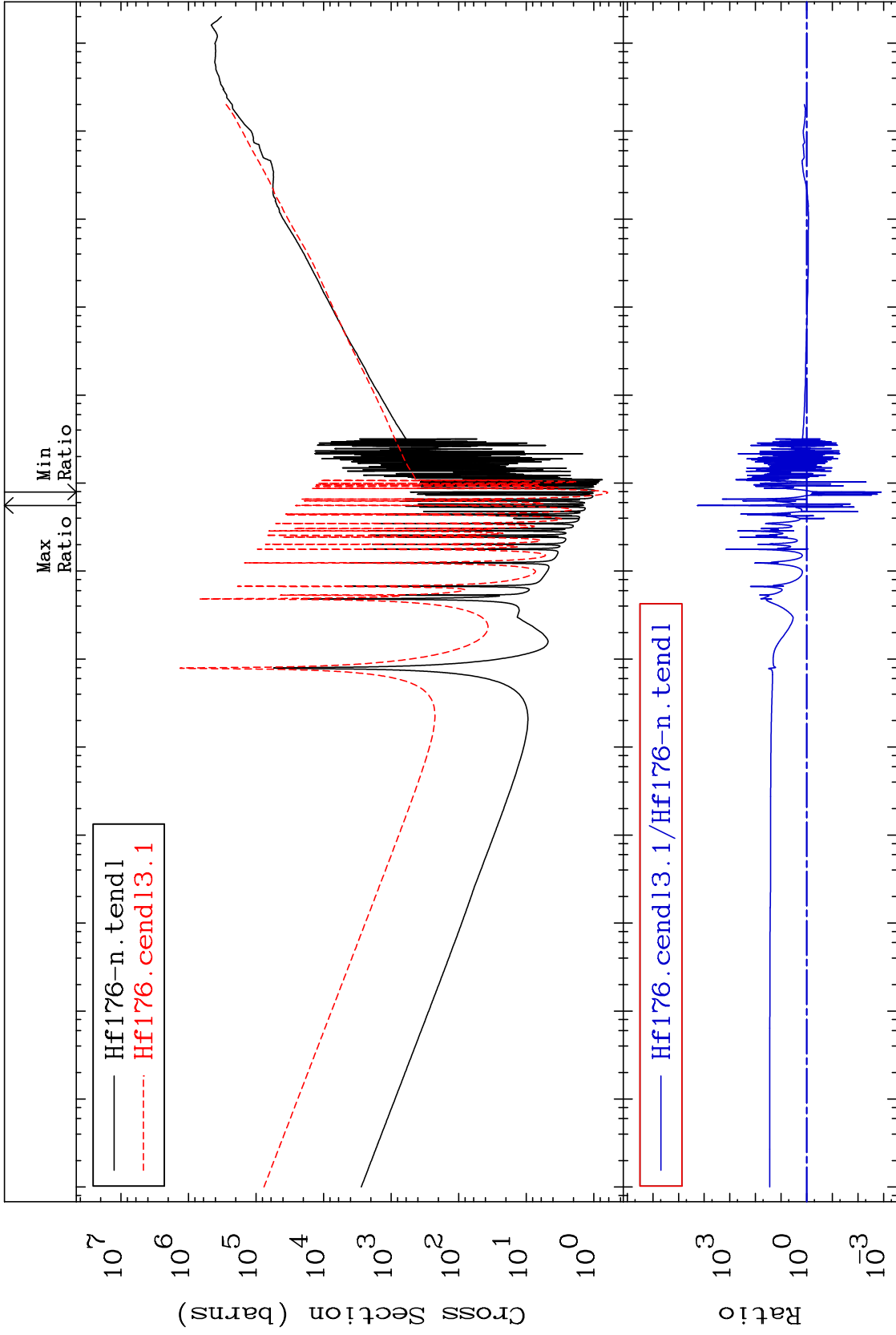
MAT 7231

Dpa total (eV-barns)

72-Hf-176

-99.88 To 9999. %

Cross Section



37

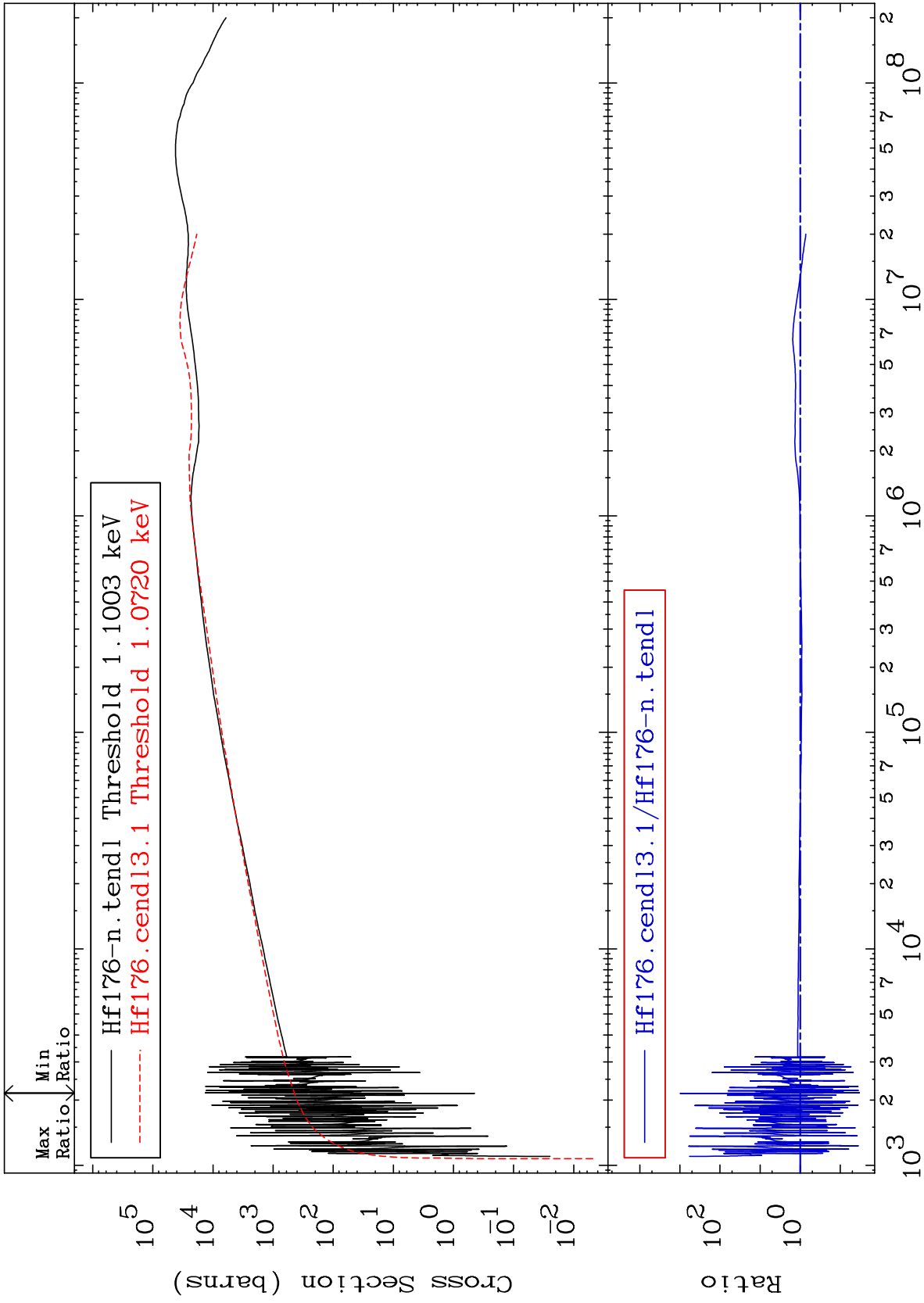
Incident Energy (eV)

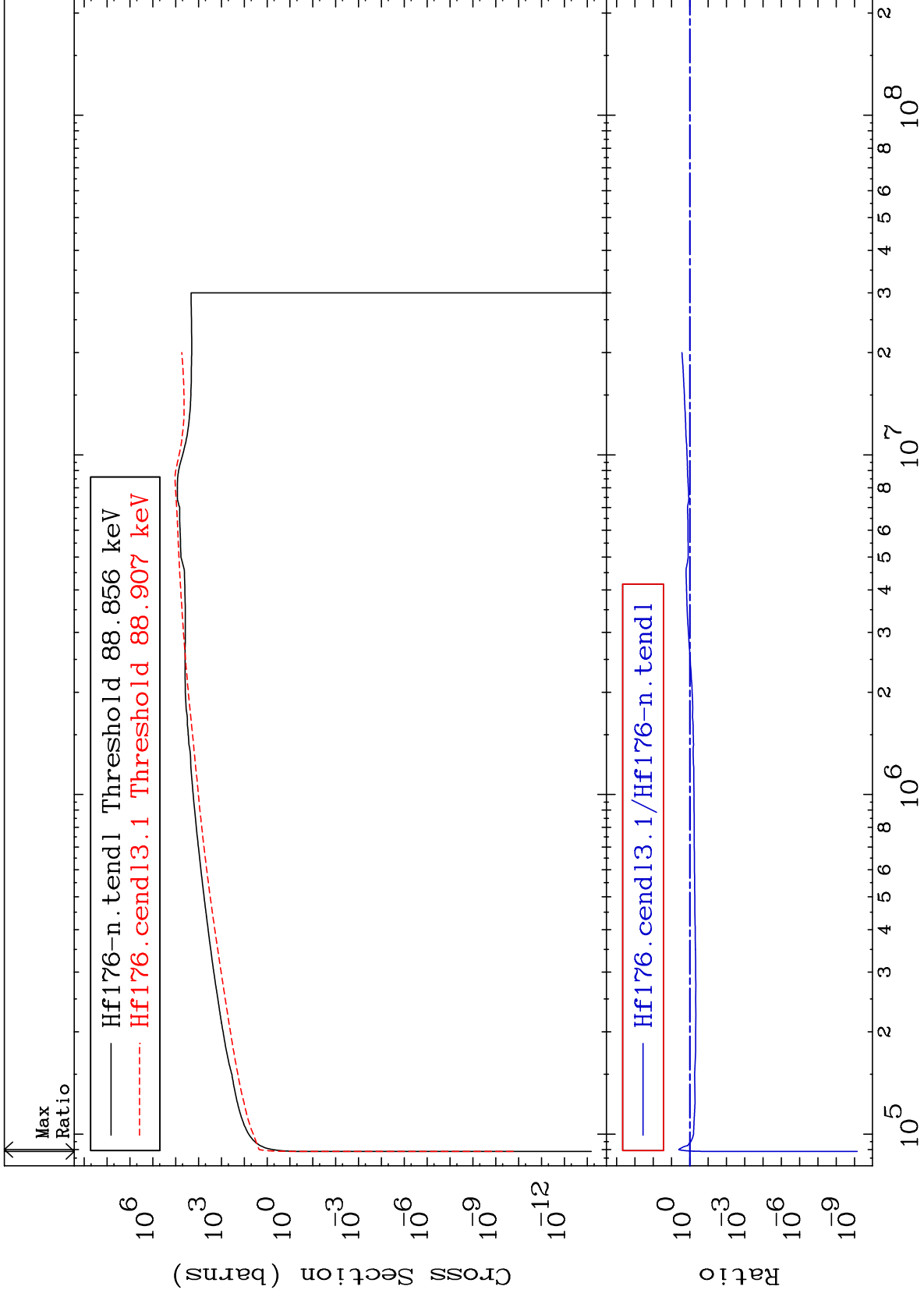
72-Hf-176

MAT 7231

Dpa elastic (mt2)
Cross Section

72-Hf-176
-96.68 To 9999. %

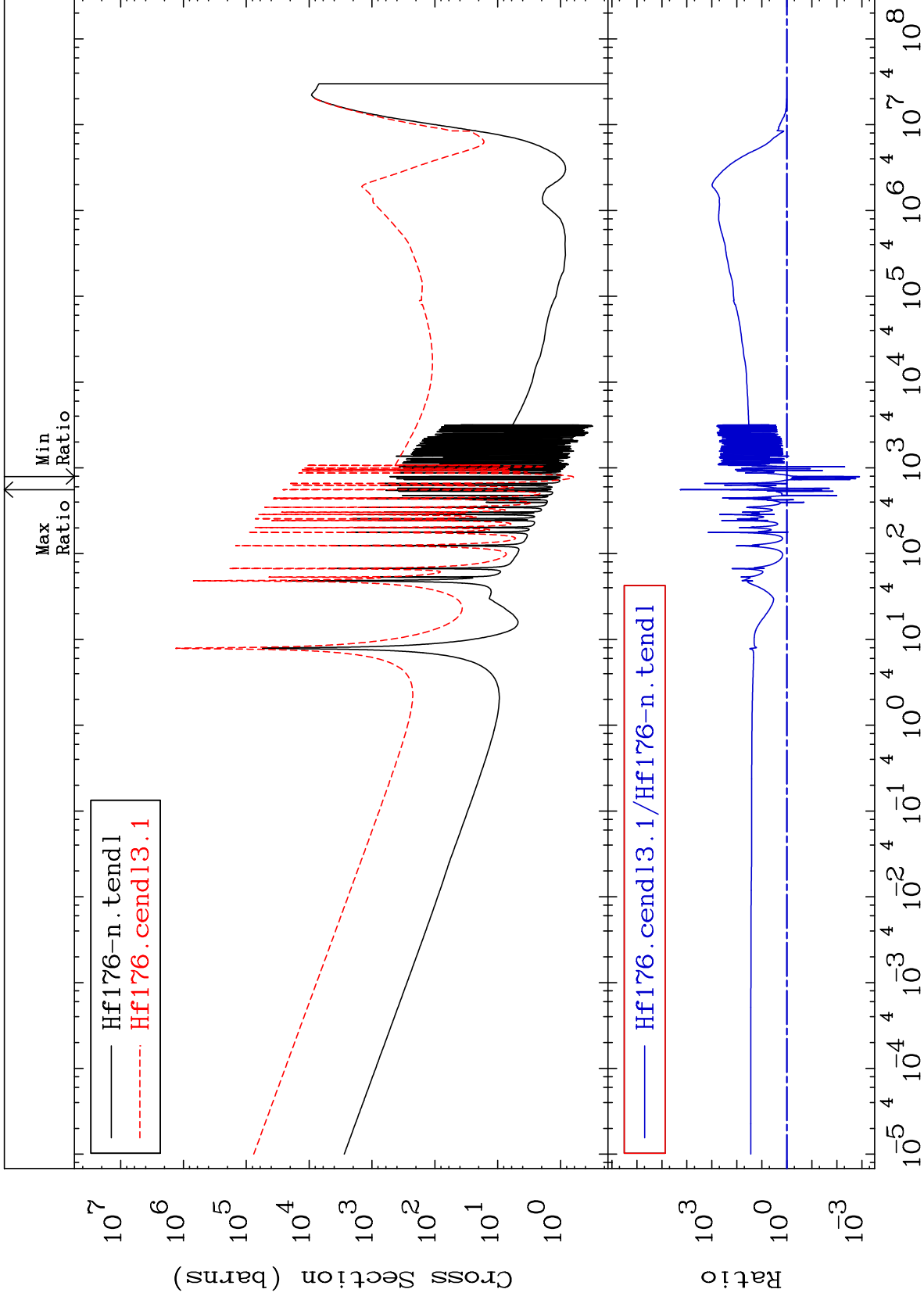




MAT 7231

Dpa disappearance (mt102 -120)
Cross Section

72-Hf-176
-99.88 To 9999. %



40

Incident Energy (eV)

72-Hf-176