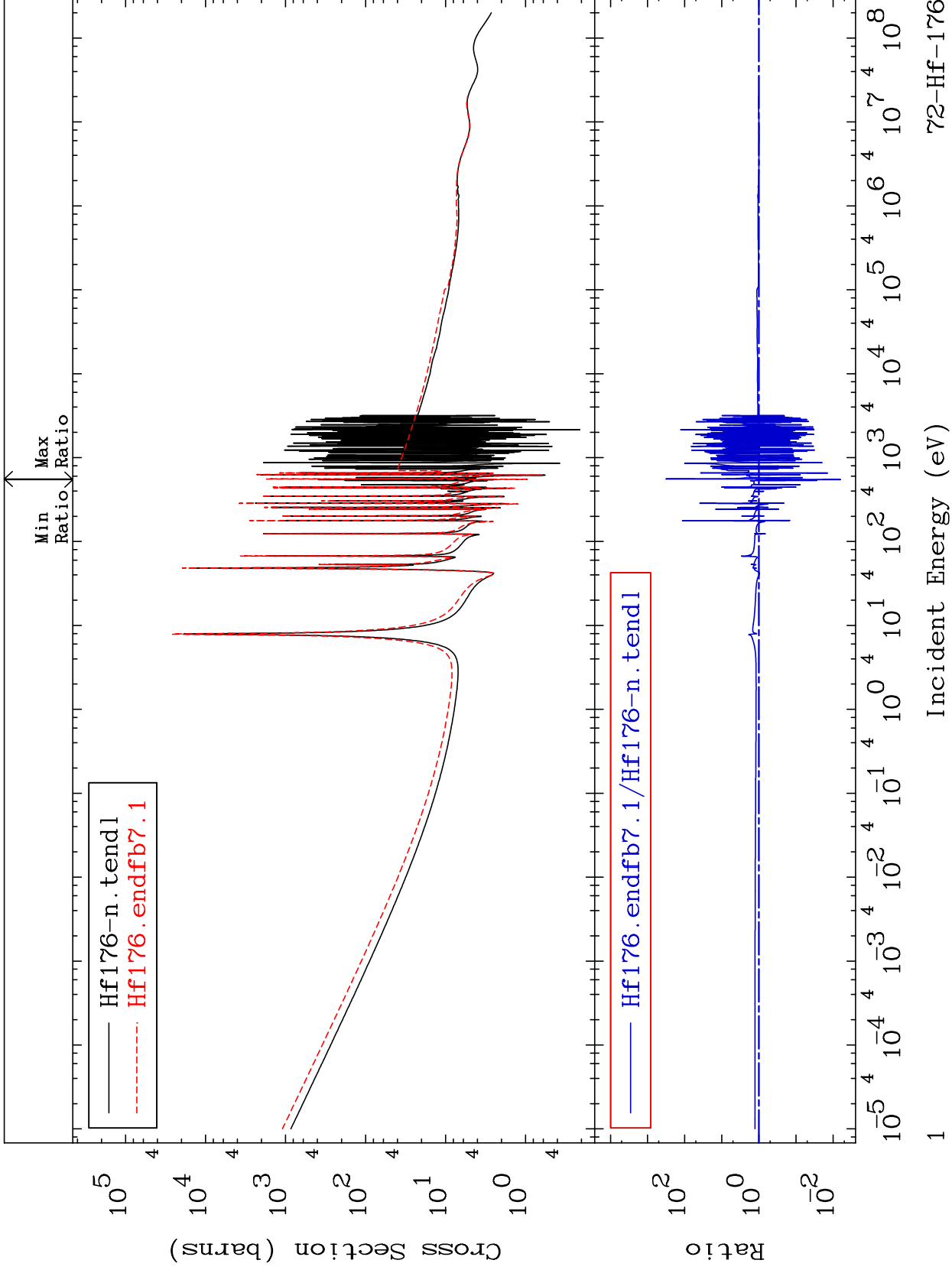


MAT 7231

Total
Cross Section

72-Hf-176
-99.38 To 9999. %



Incident Energy (eV)

72-Hf-176

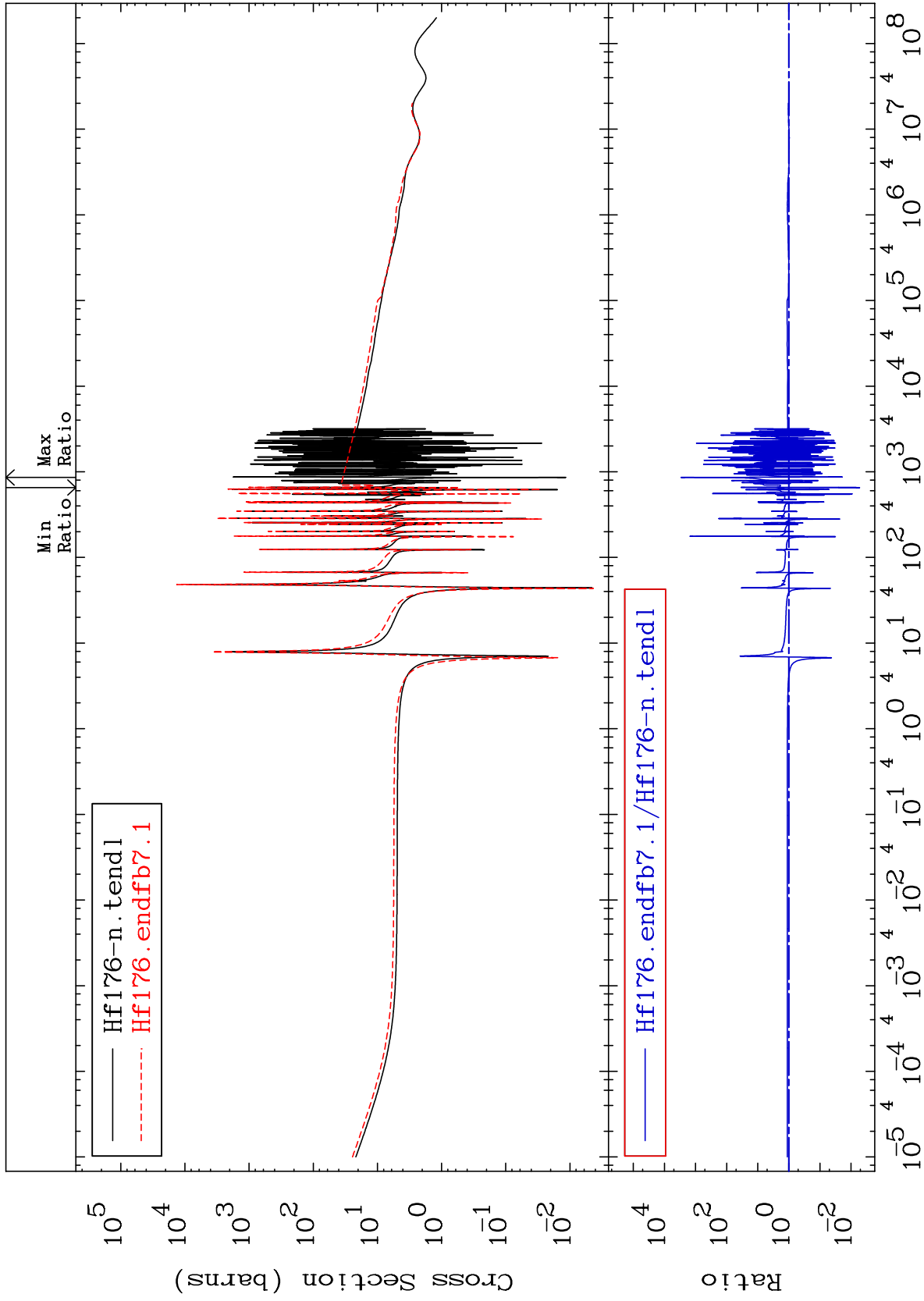
MAT 7231

Elastic

Cross Section

72-Hf-176

-99.47 To 9999. %



2

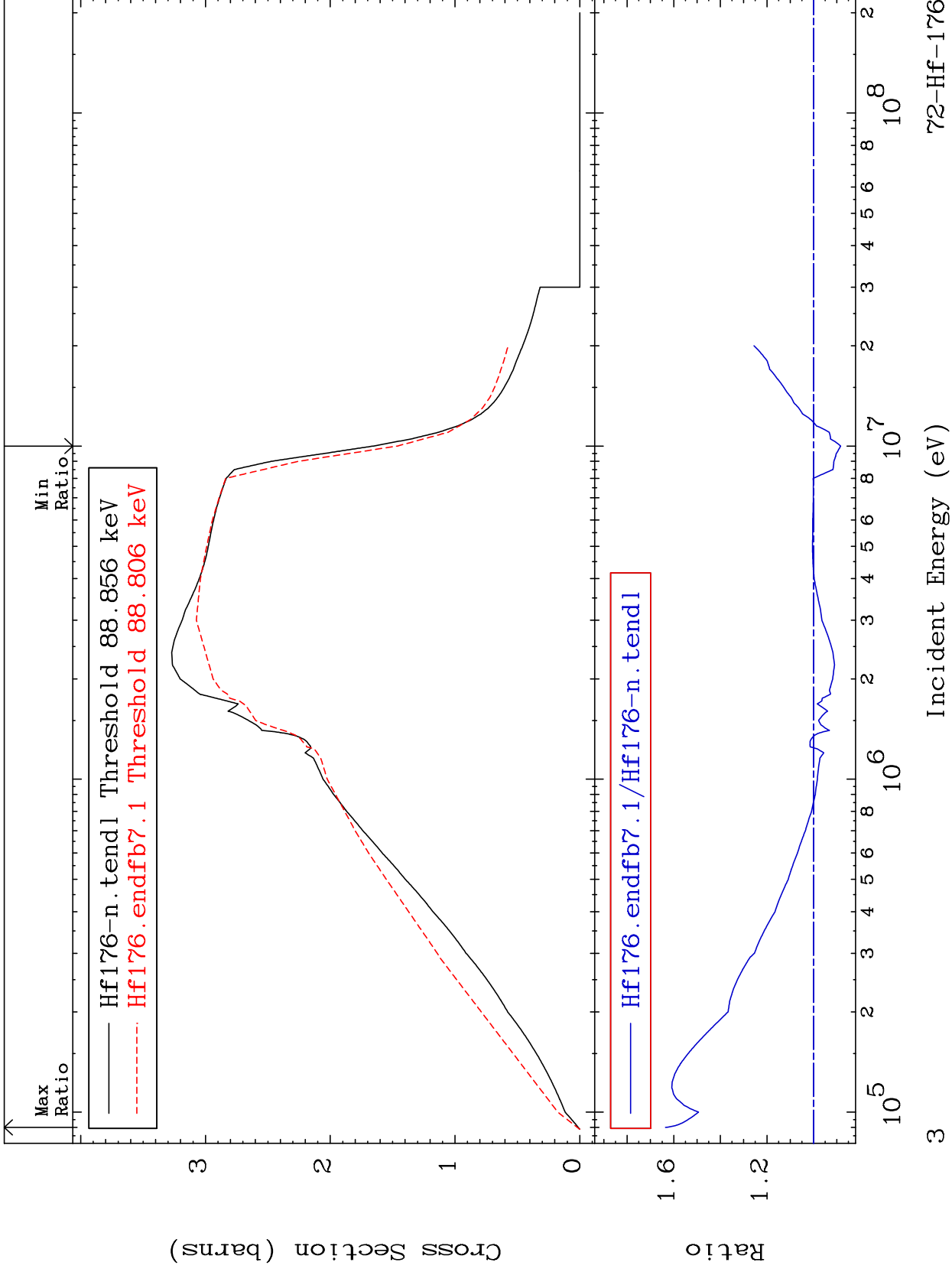
Incident Energy (eV)

72-Hf-176

MAT 7231

Inelastic
Cross Section

72-Hf-176
-11.65 To 63.54 %



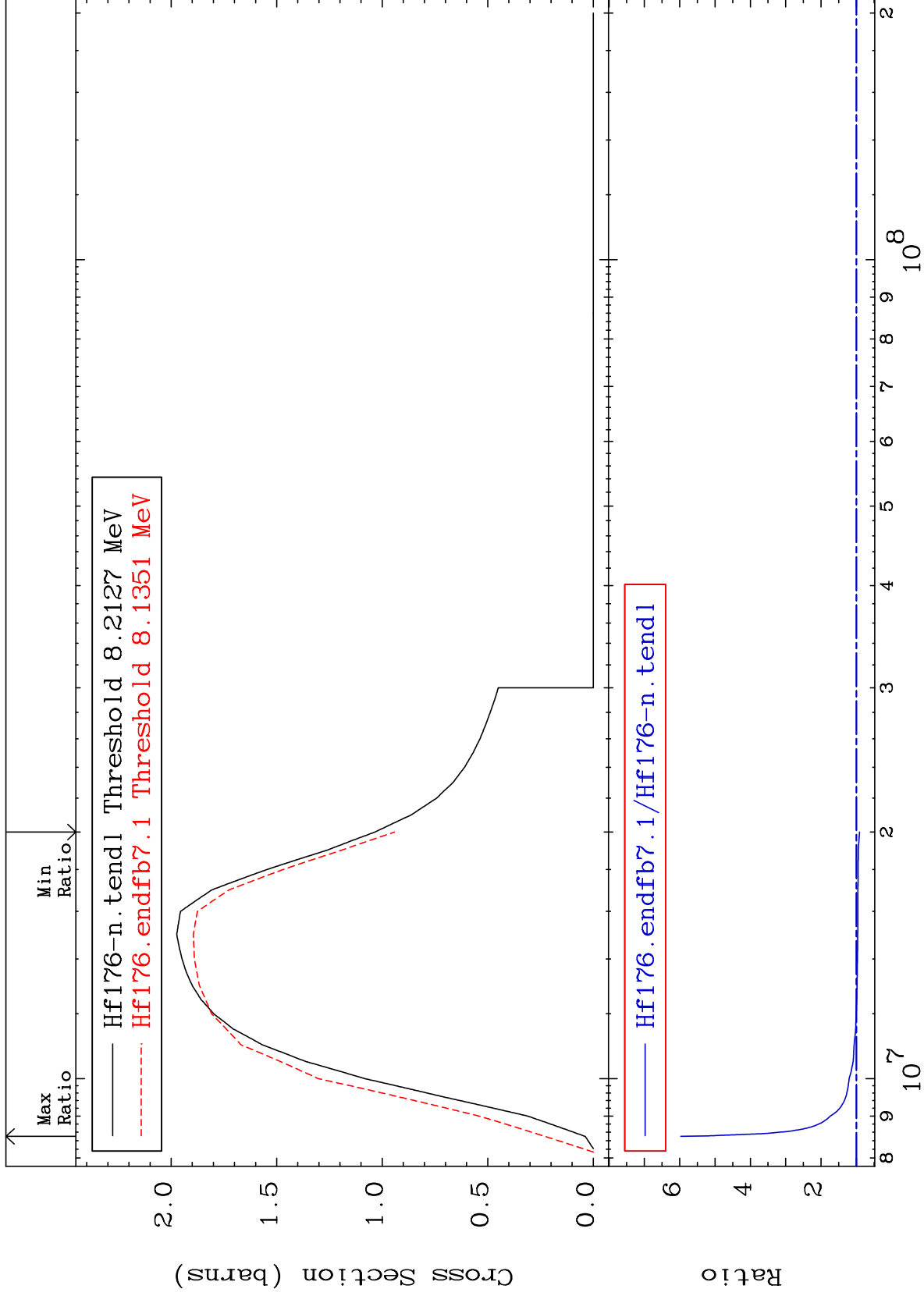
MAT 7231

(n,2n)

72-Hf-176

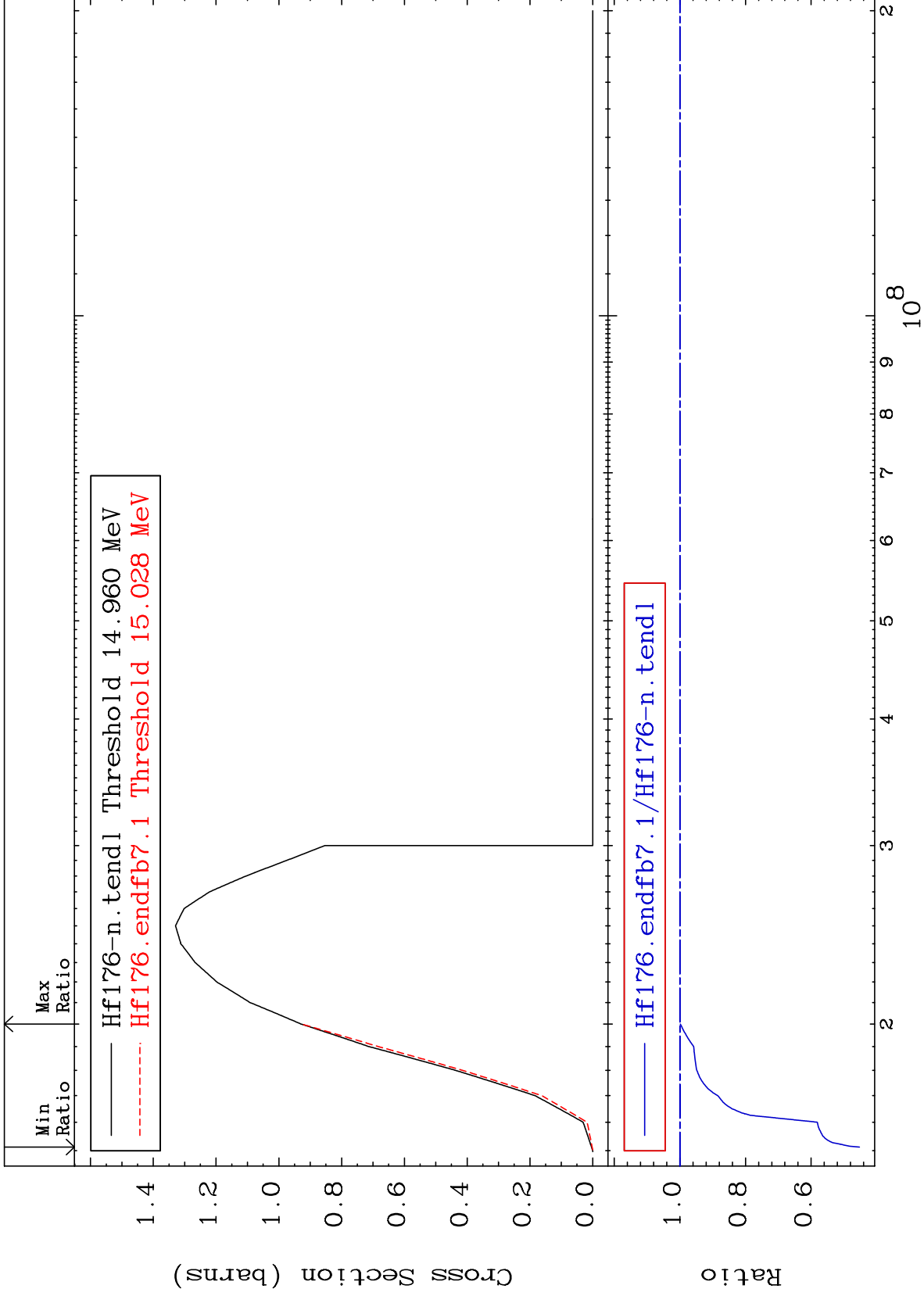
Cross Section

-9.006 To 496.9 %



72-Hf-176

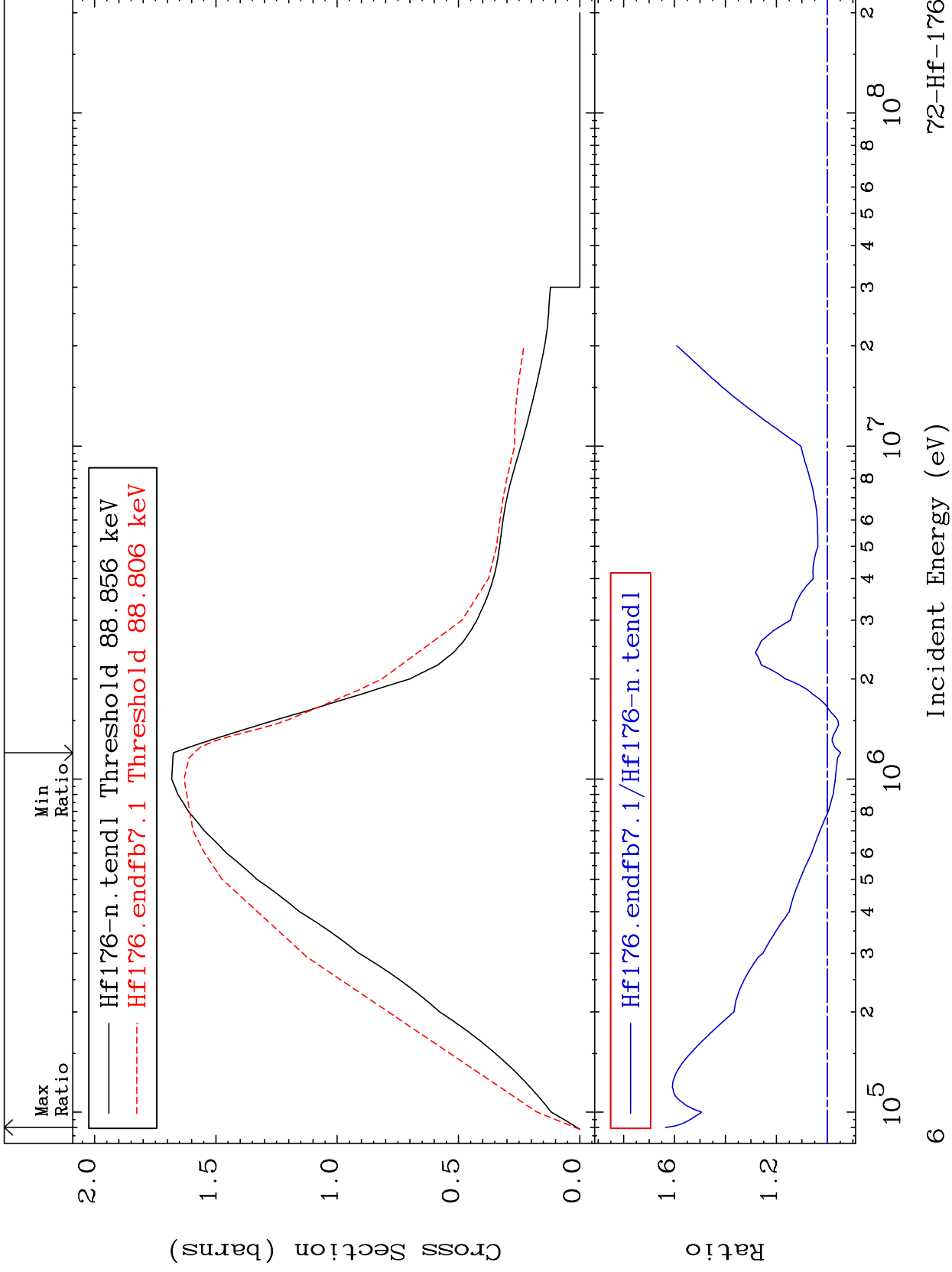
4



MAT 7231

88.35 keV (n,n') Level
Cross Section

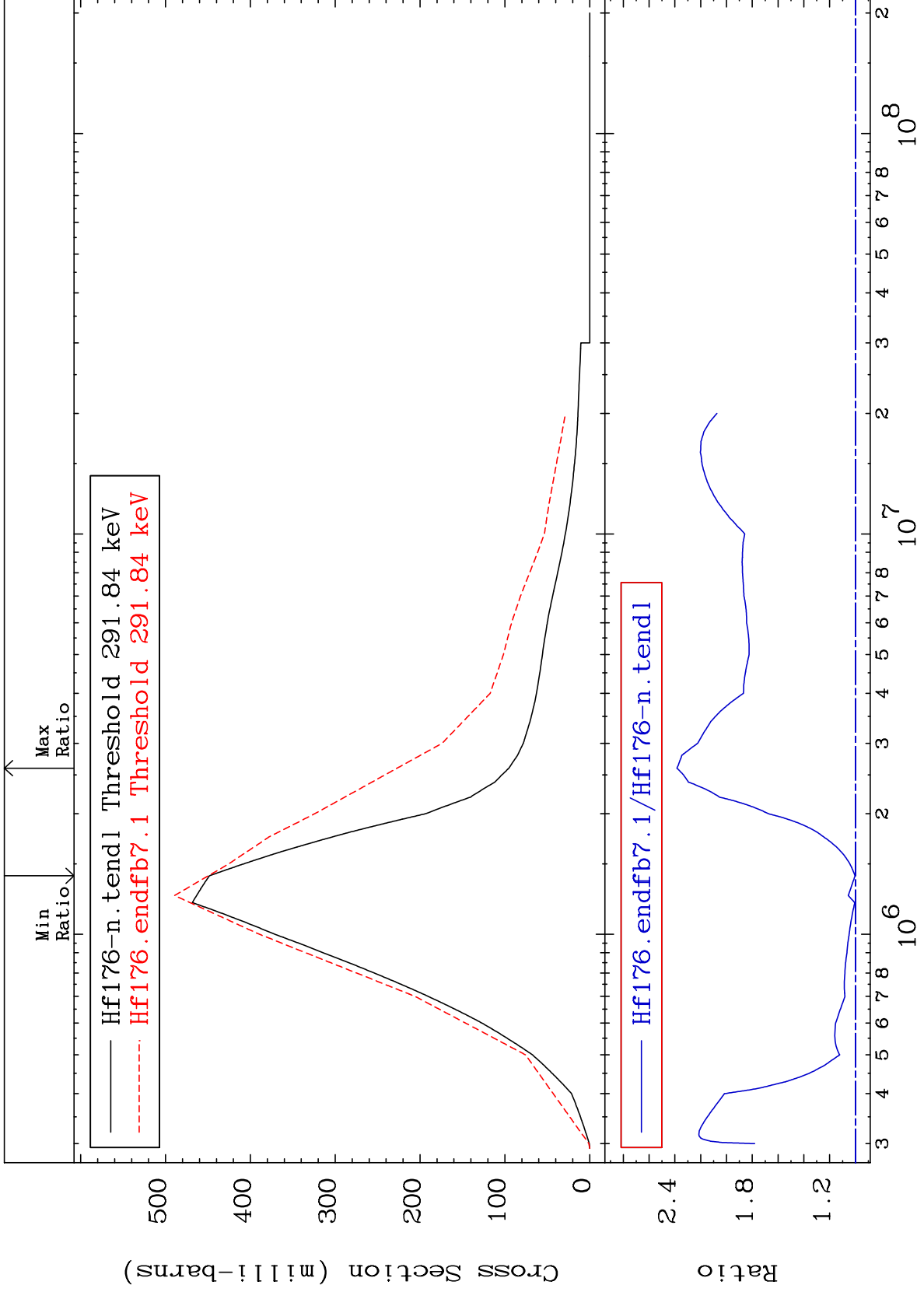
72-Hf-176
-5.174 To 63.54 %



MAT 7231

290.2 keV (n,n') Level
Cross Section

72-Hf-176
0.268 To 138.4 %



7

Incident Energy (eV)

72-Hf-176

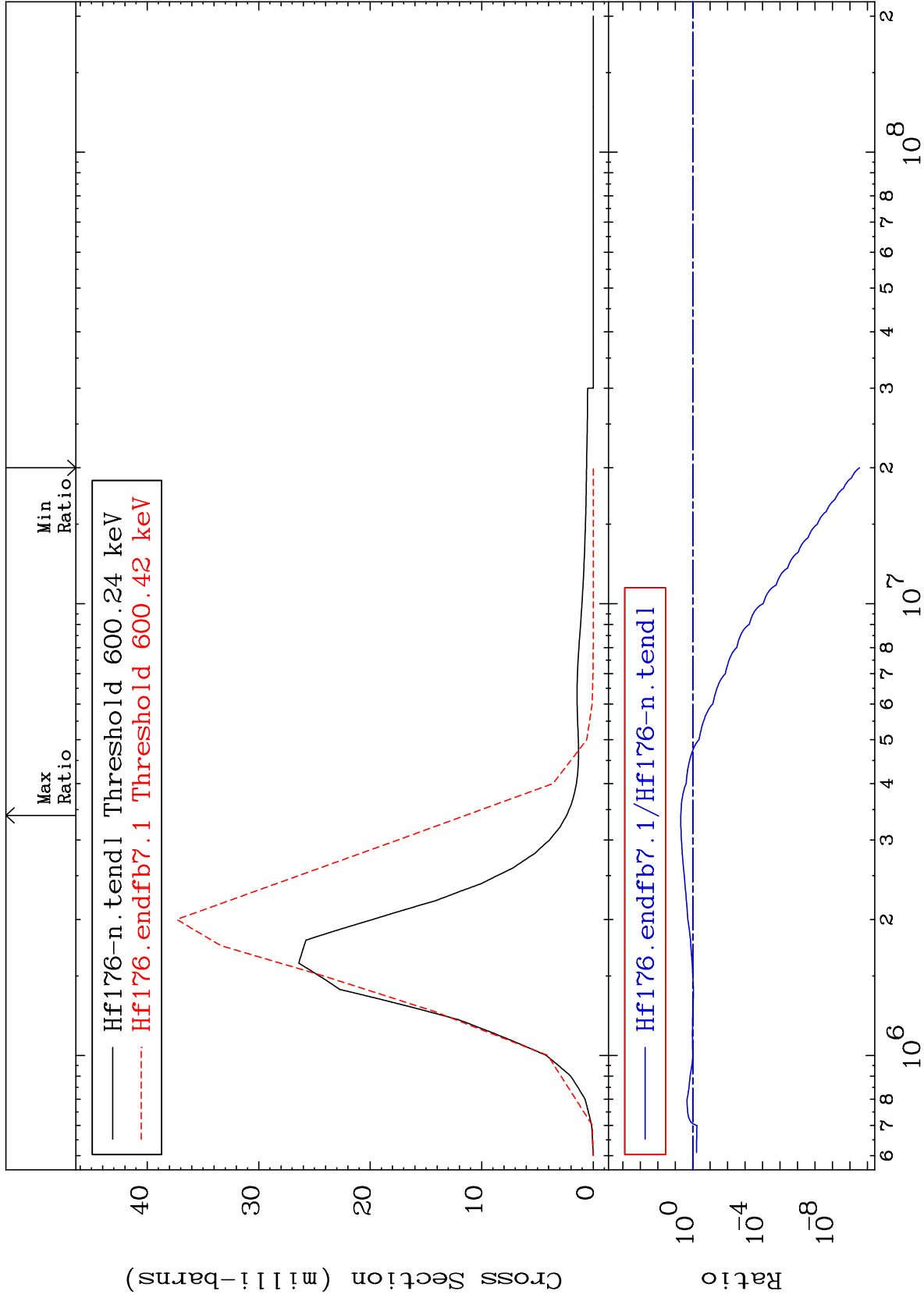
MAT 7231

596.8 keV (n,n') Level

⁷²Hf-176

-100.0 To 381.5 %

Cross Section



8

Incident Energy (eV)

⁷²Hf-176

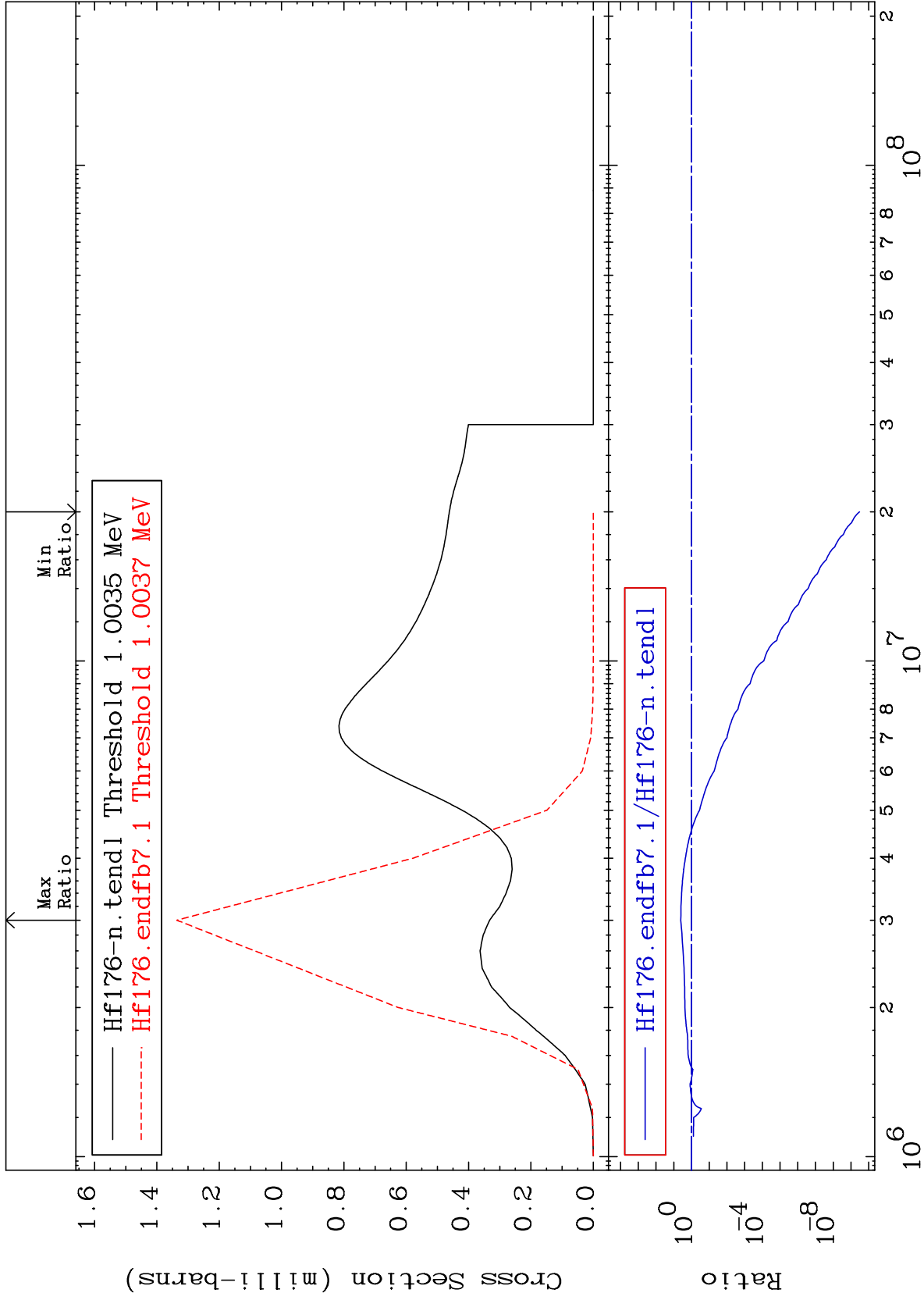
MAT 7231

997.7 keV (n,n') Level

72-Hf-176

-100.0 To 301.7 %

Cross Section



9

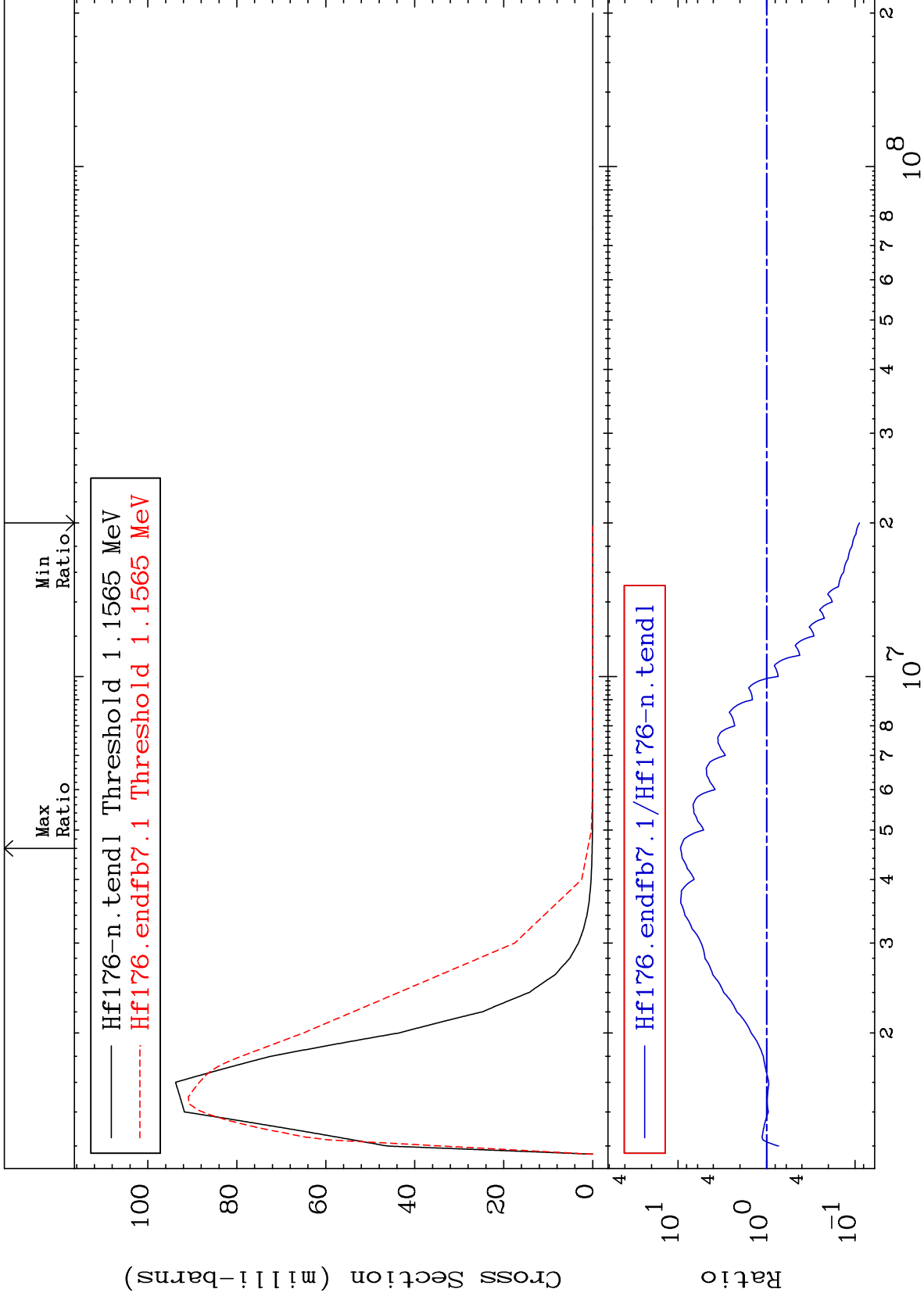
Incident Energy (eV)

72-Hf-176

MAT 7231

1.150 MeV (n,n') Level
Cross Section

72-Hf-176
-91.07 To 842.6 %



10

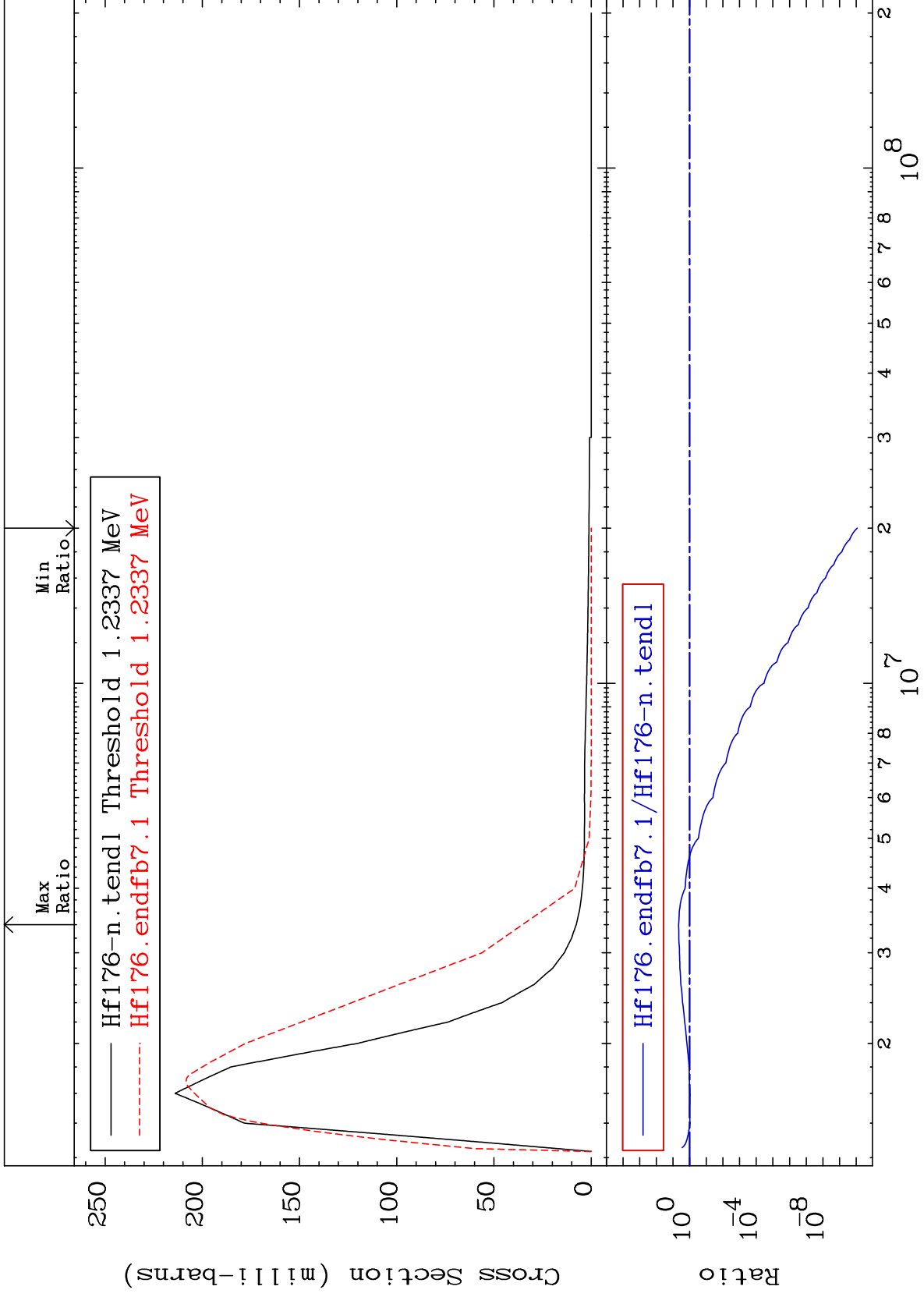
Incident Energy (eV)

72-Hf-176

MAT 7231

1.227 MeV (n,n') Level
Cross Section

⁷²Hf-176
-100.0 To 358.3 %



11

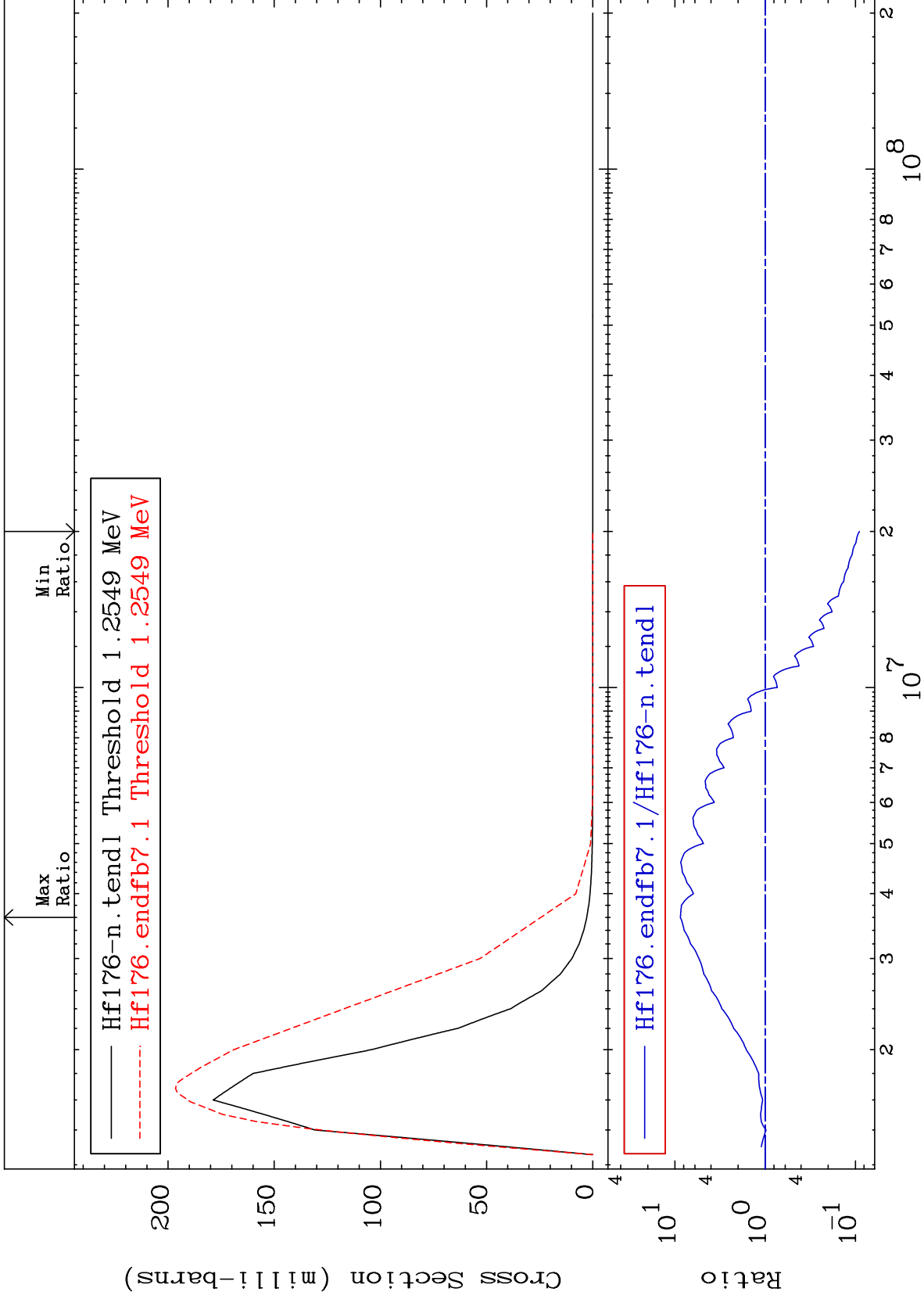
Incident Energy (eV)

⁷²Hf-176

MAT 7231

1.248 MeV (n,n') Level
Cross Section

⁷²Hf-176
-90.98 To 771.9 %



12

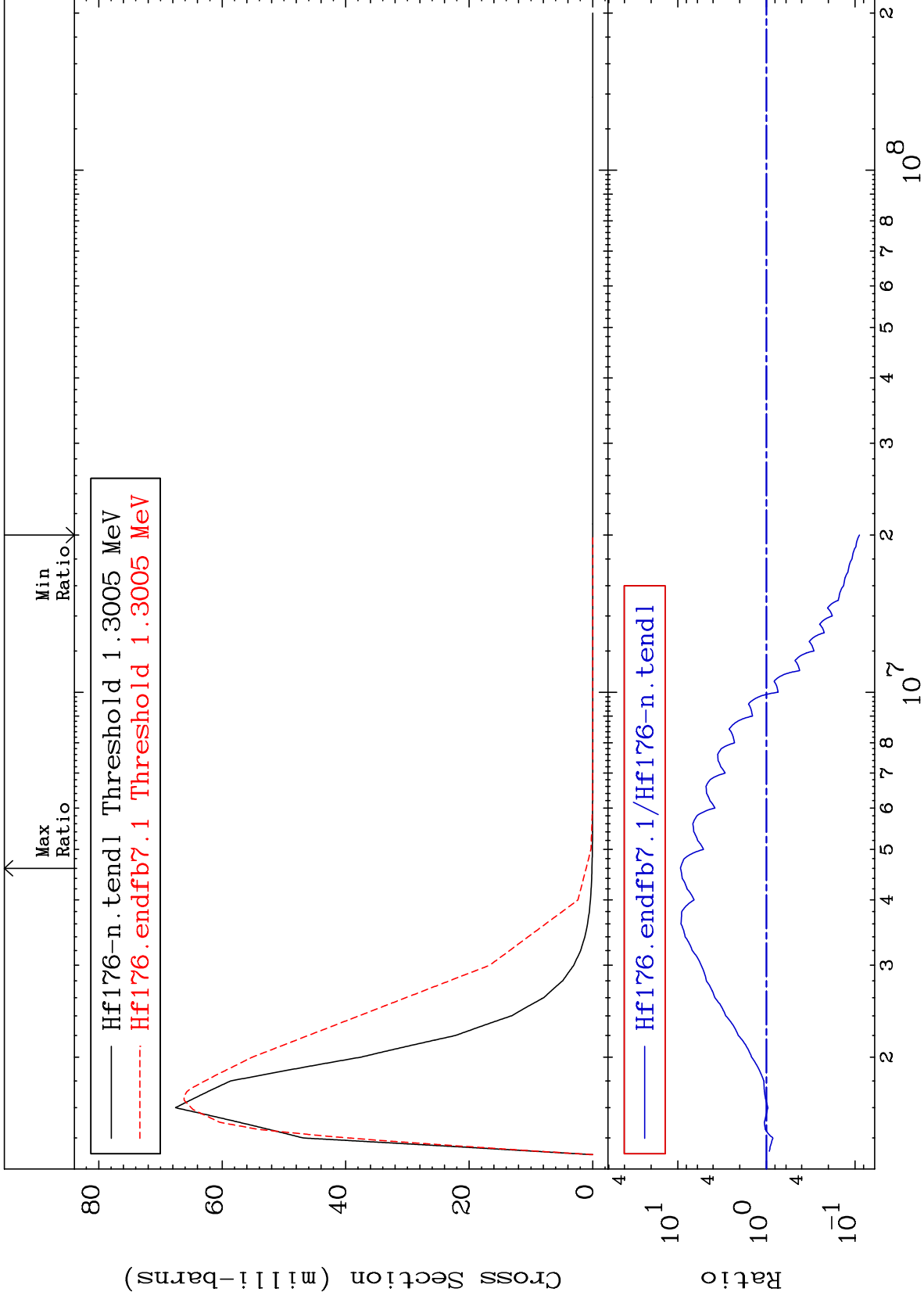
Incident Energy (eV)

⁷²Hf-176

MAT 7231

1.293 MeV (n,n') Level
Cross Section

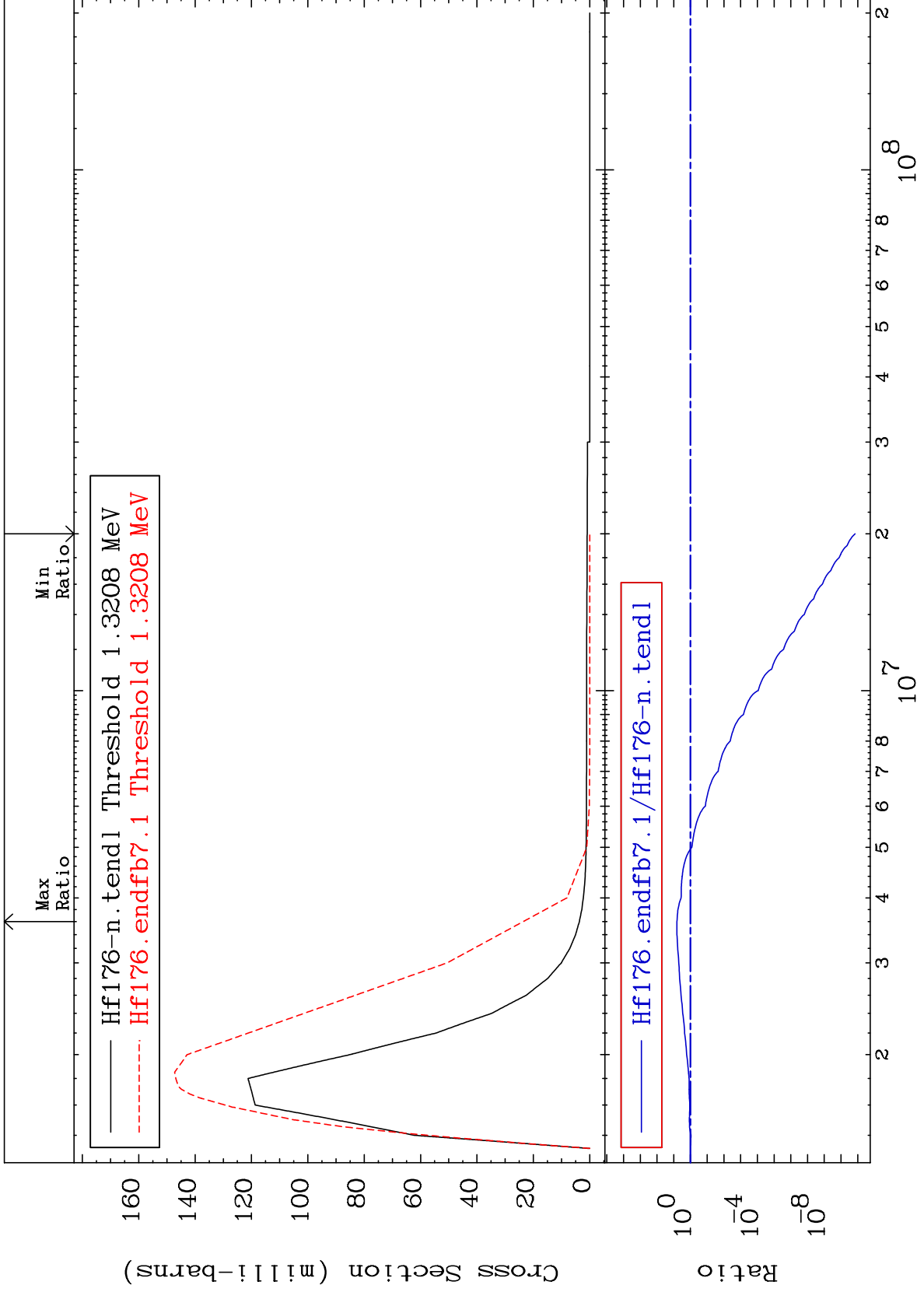
72-Hf-176
-91.06 To 836.4 %



MAT 7231

1.313 MeV (n,n') Level
Cross Section

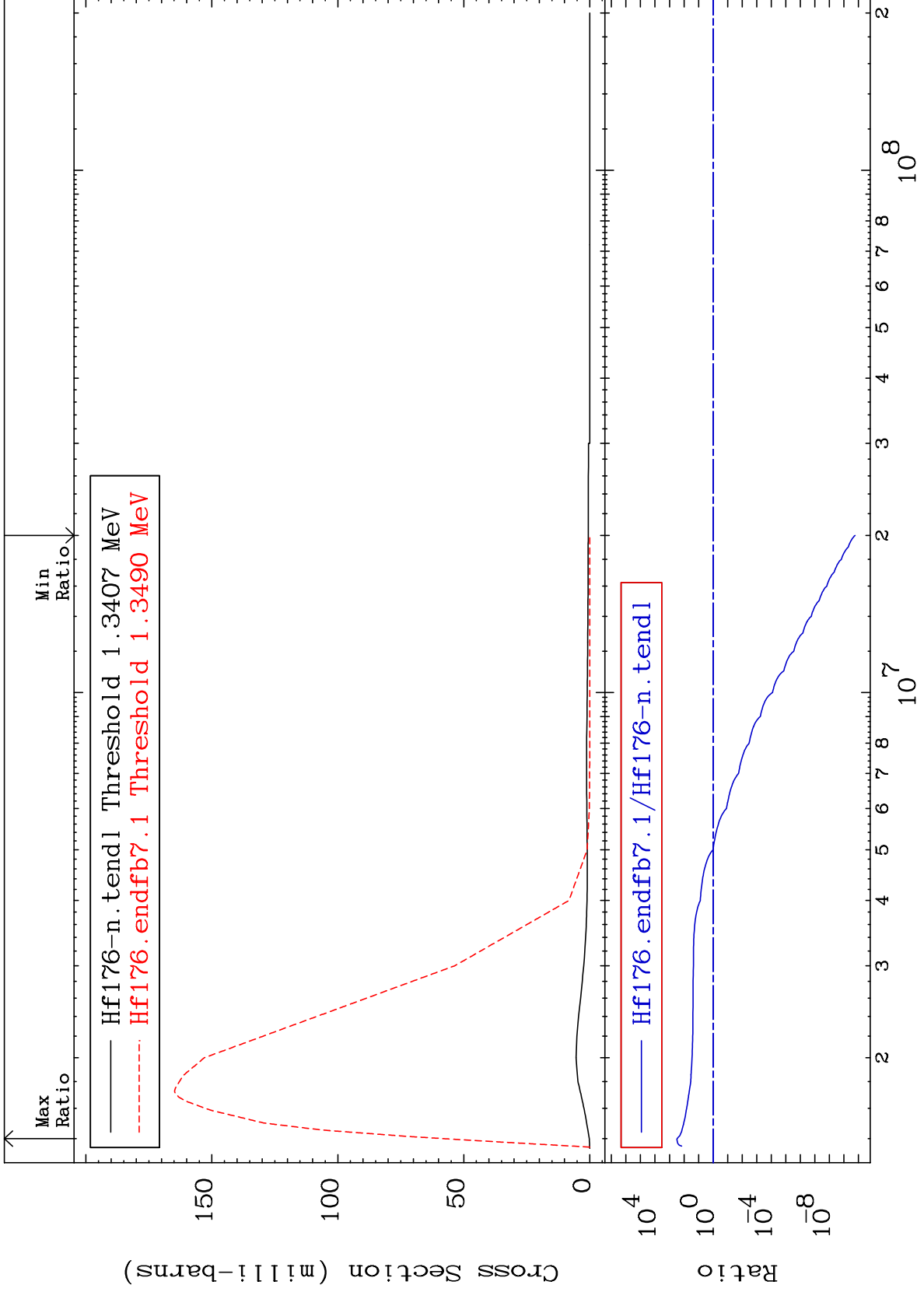
72-Hf-176
-100.0 To 543.5 %



MAT 7231

1.333 MeV (n,n') Level
Cross Section

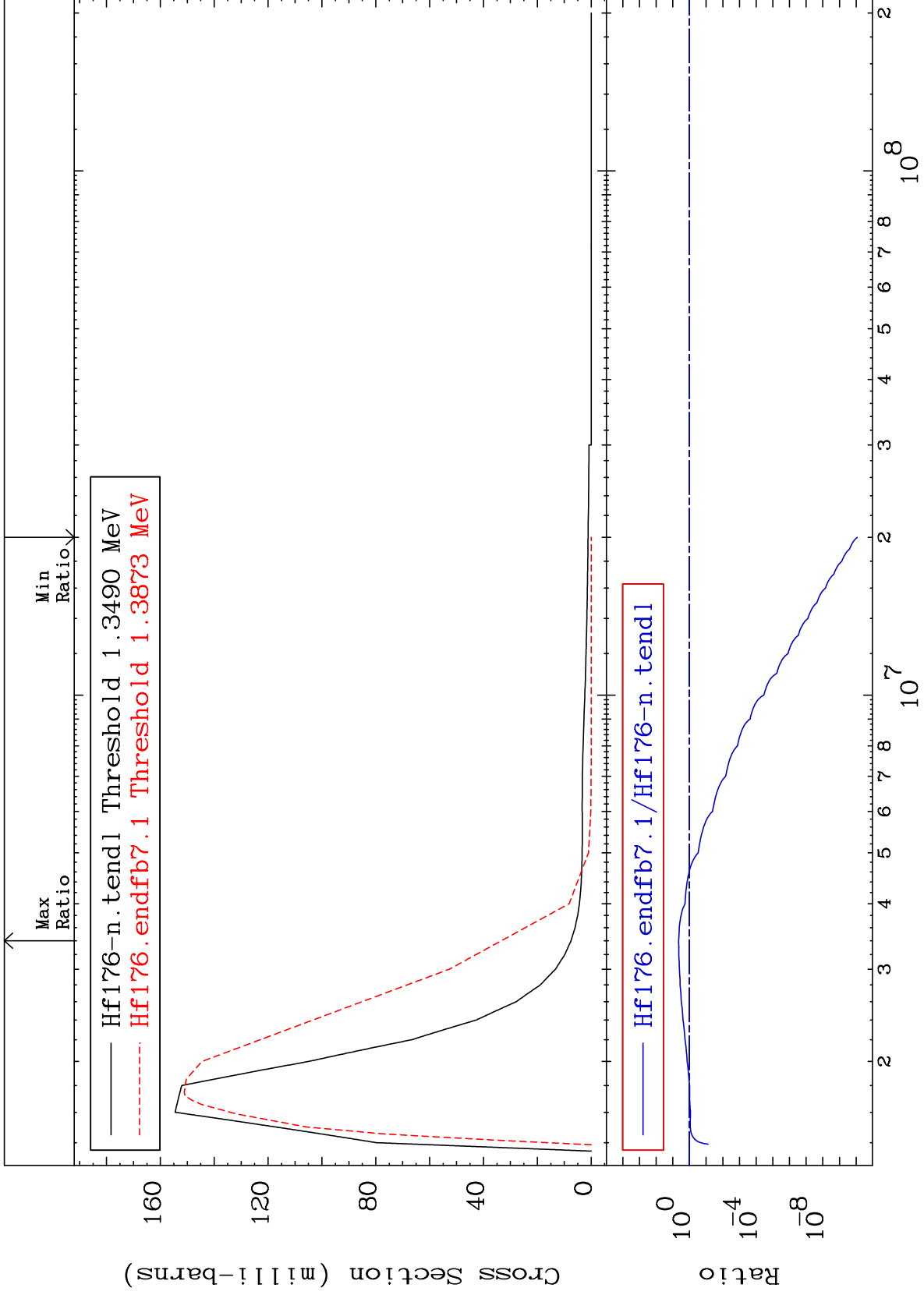
72-Hf-176
-100.0 To 9999. %



MAT 7231

1.341 MeV (n,n') Level
Cross Section

⁷²Hf-¹⁷⁶
-100.0 To 345.1 %



16

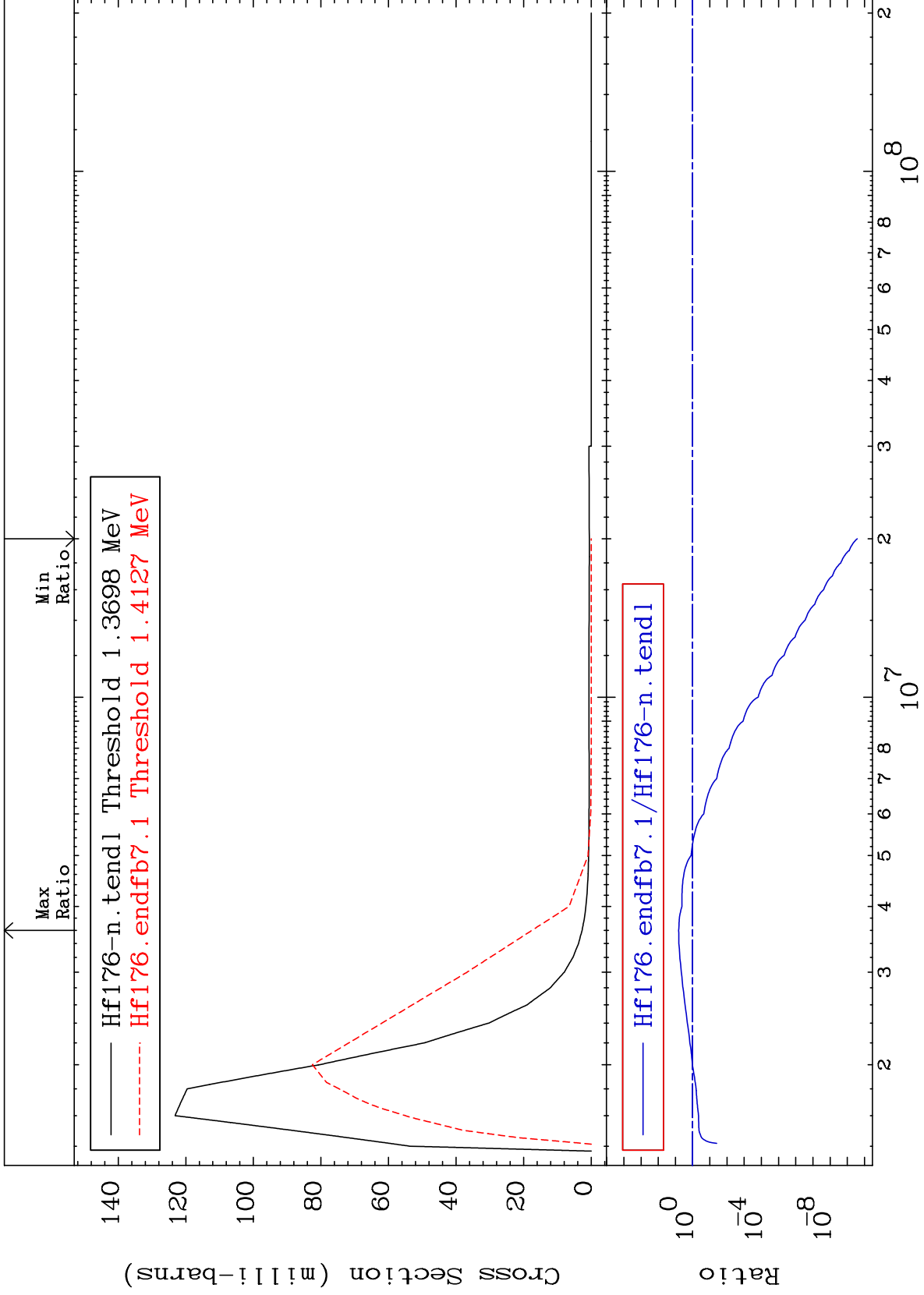
Incident Energy (eV)

⁷²Hf-¹⁷⁶

MAT 7231

1.362 MeV (n,n') Level
Cross Section

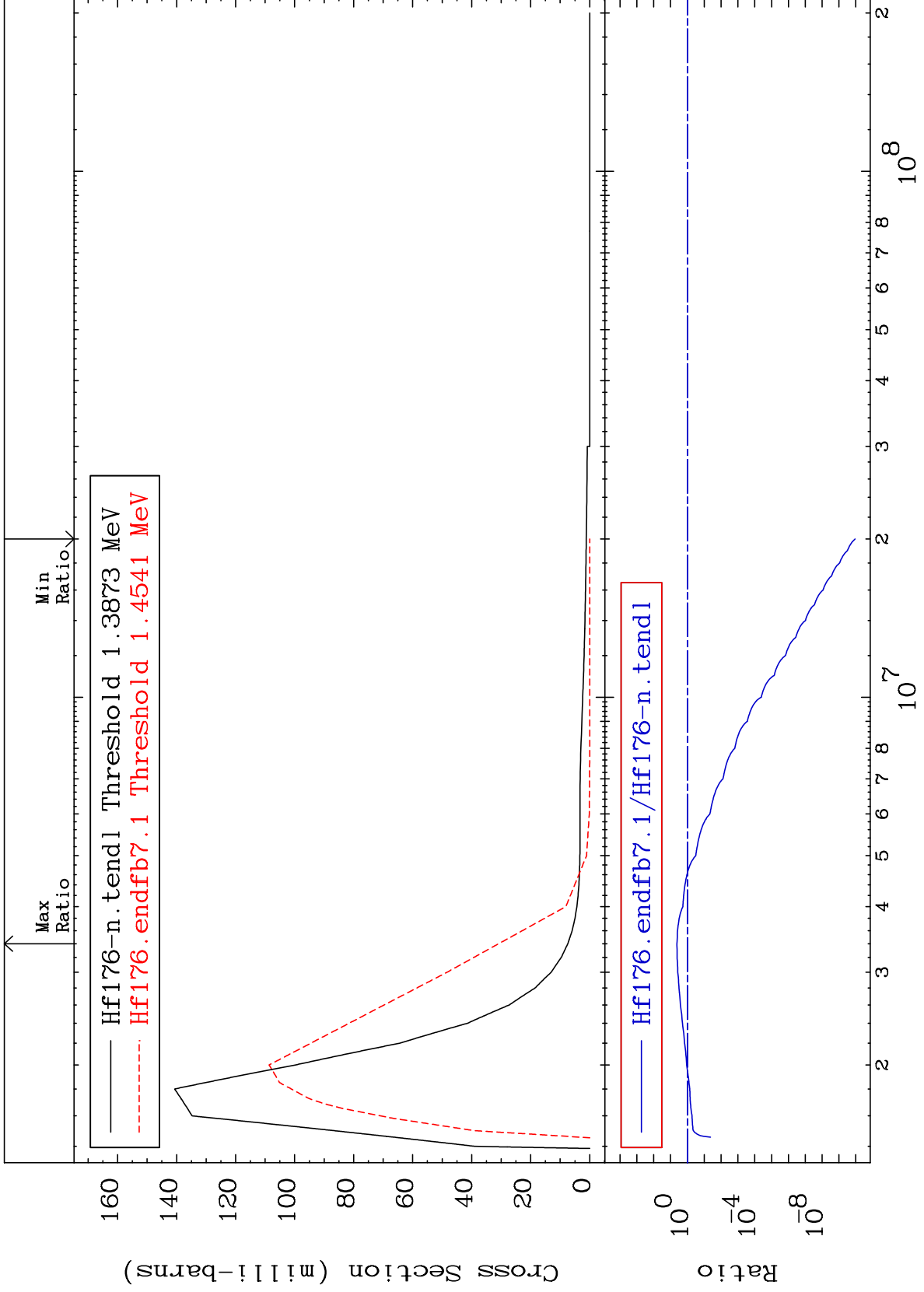
72-Hf-176
-100.0 To 550.5 %



MAT 7231

1.379 MeV (n,n') Level
Cross Section

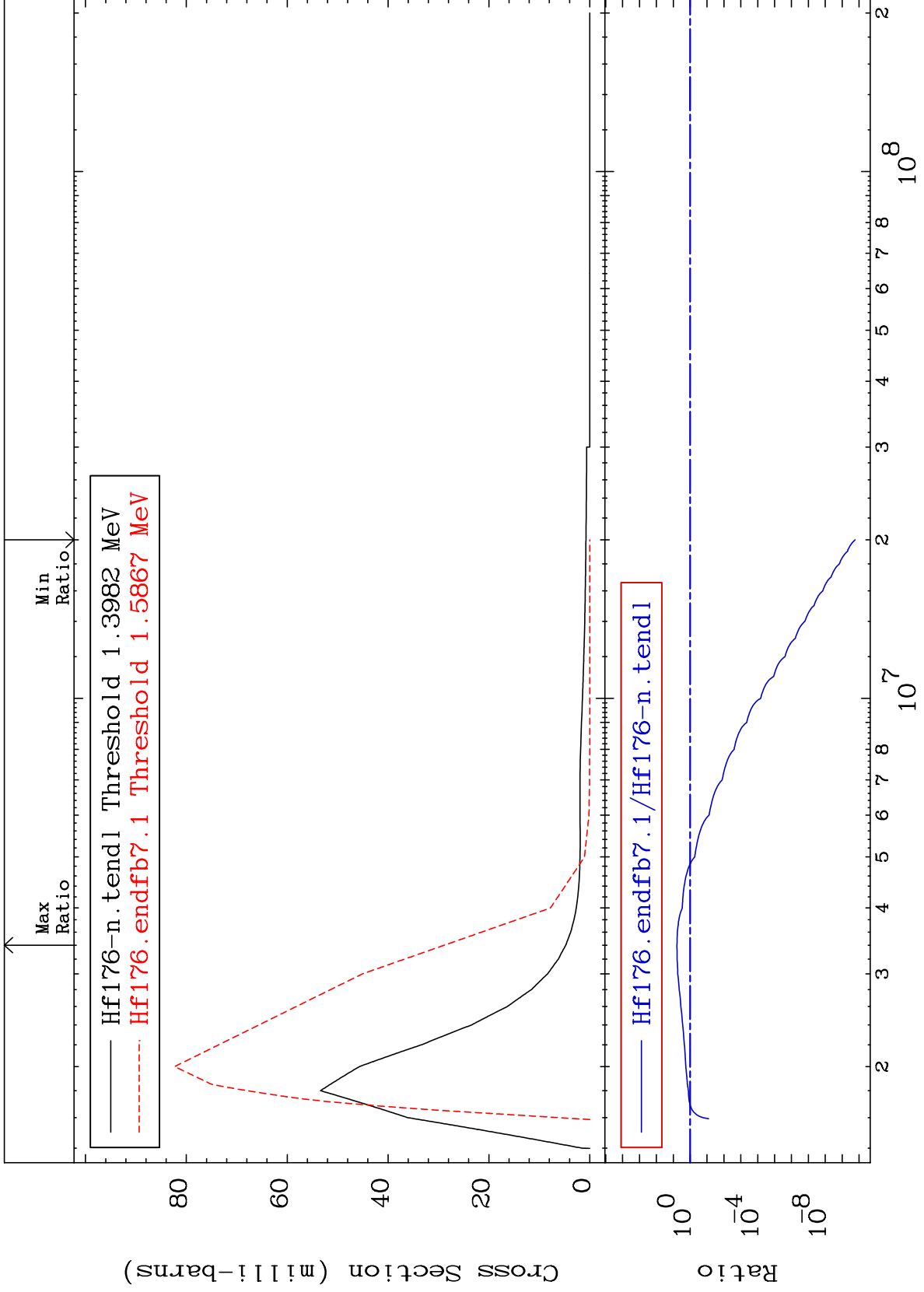
⁷²Hf-176
-100.0 To 316.7 %



MAT 7231

1.390 MeV (n,n') Level
Cross Section

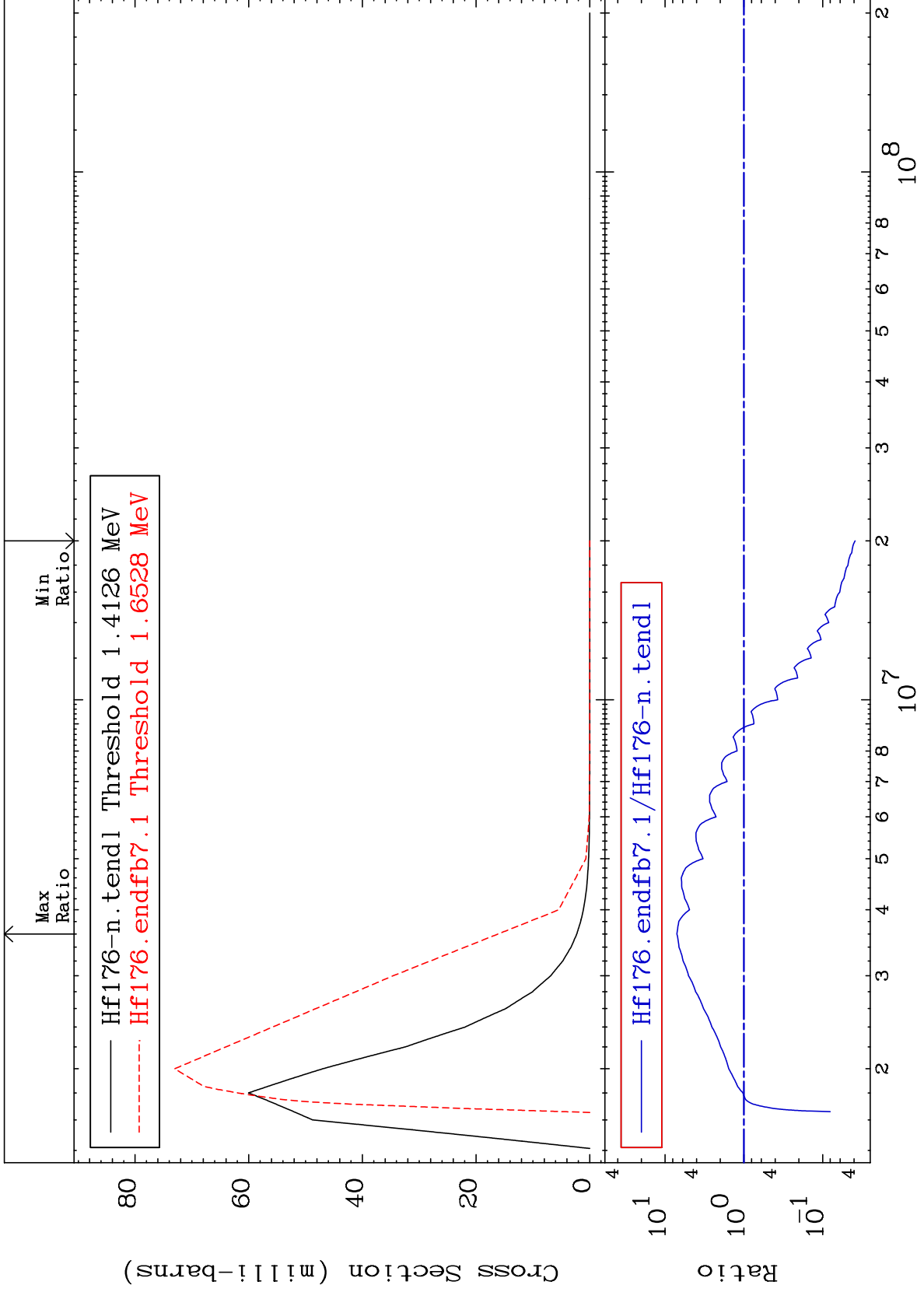
72-Hf-176
-100.0 To 507.0 %



MAT 7231

1.405 MeV (n,n') Level
Cross Section

⁷²Hf-¹⁷⁶
-96.13 To 608.7 %



20

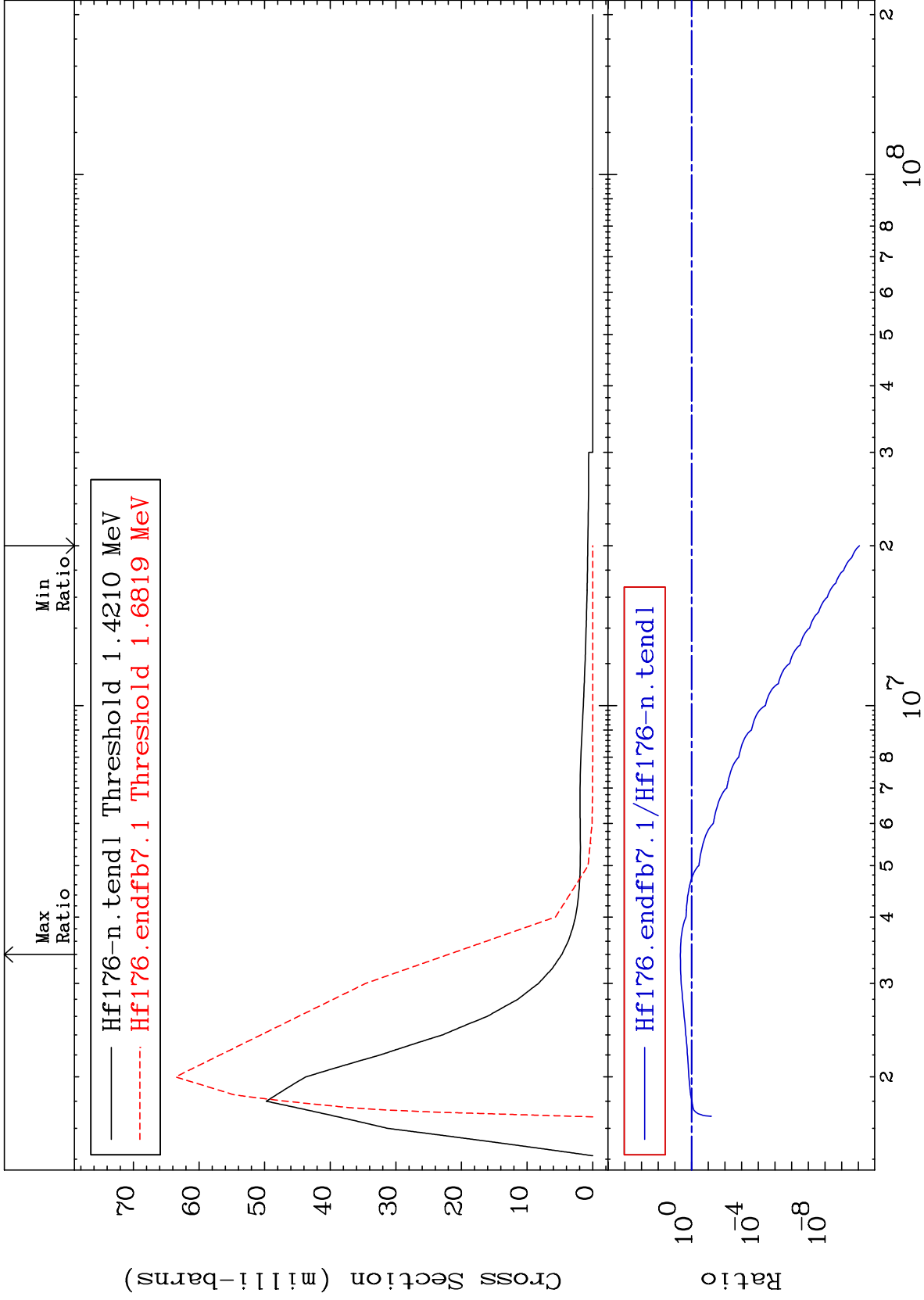
Incident Energy (eV)

⁷²Hf-¹⁷⁶

MAT 7231

1.413 MeV (n,n') Level
Cross Section

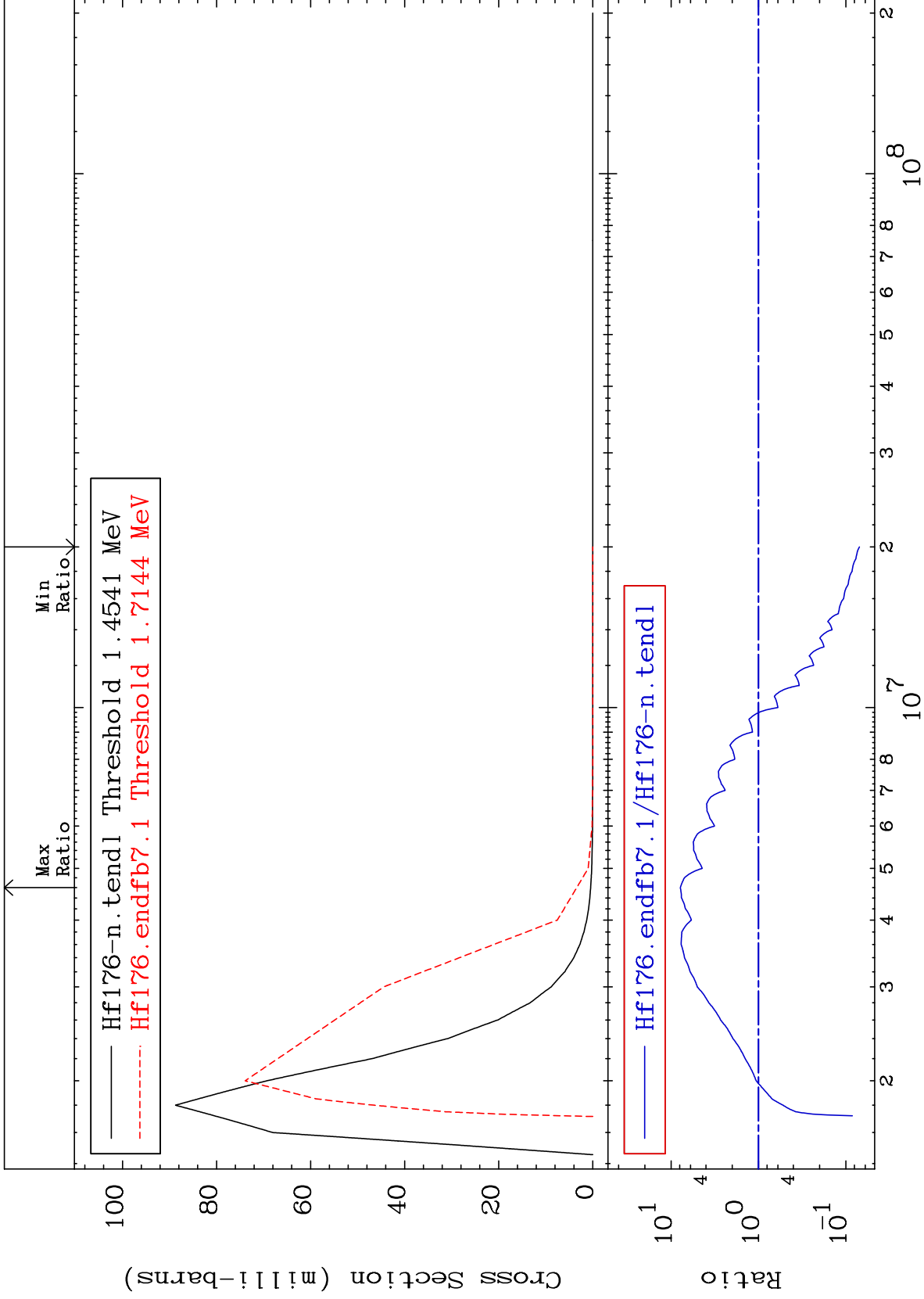
⁷²Hf-176
-100.0 To 367.7 %



MAT 7231

1.446 MeV (n,n') Level
Cross Section

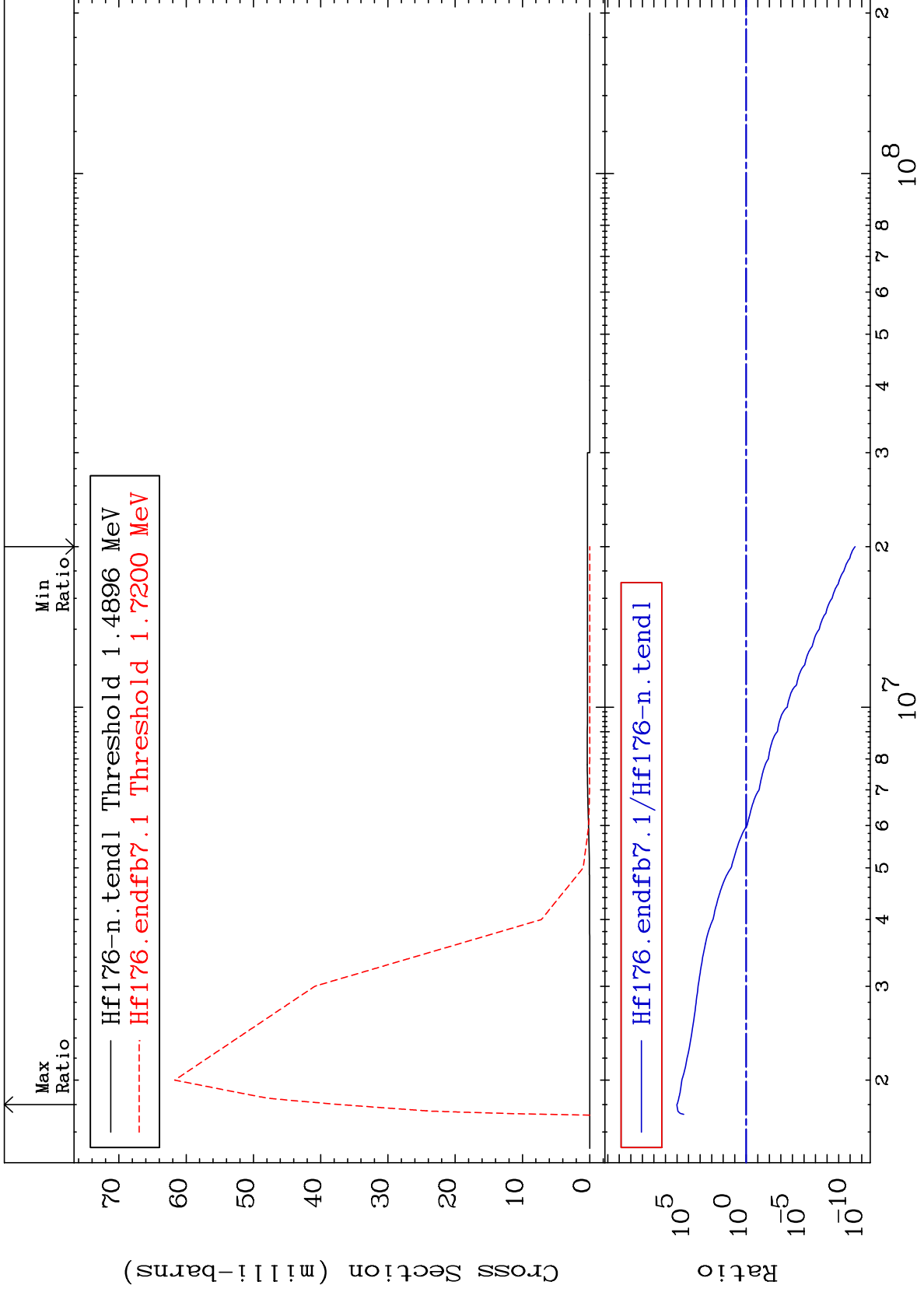
72-Hf-176
-93.00 To 685.6 %



MAT 7231

1.481 MeV (n,n') Level
Cross Section

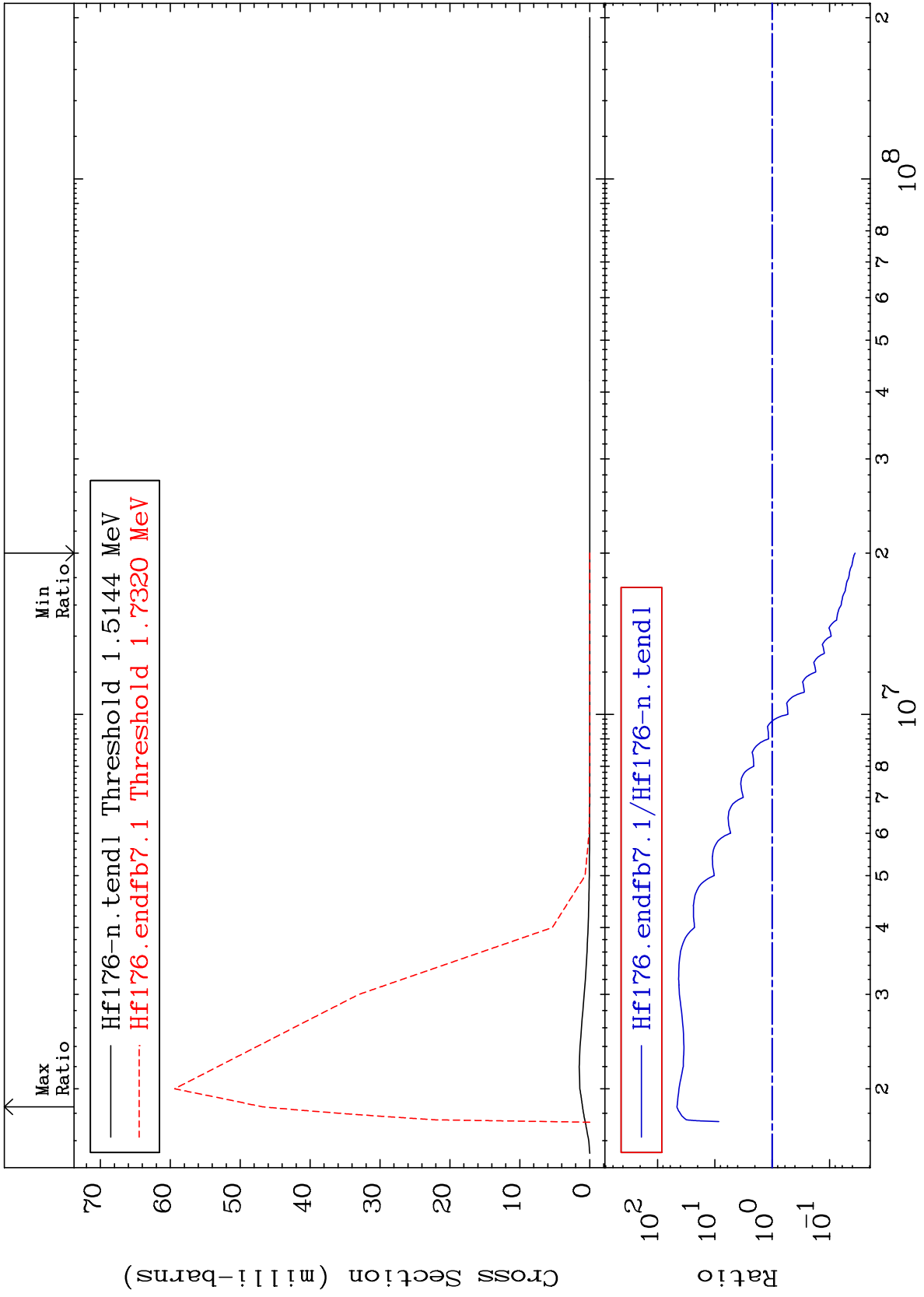
72-Hf-176
-100.0 To 9999. %



MAT 7231

1.506 MeV (n,n') Level
Cross Section

72-Hf-176
-96.42 To 4486. %

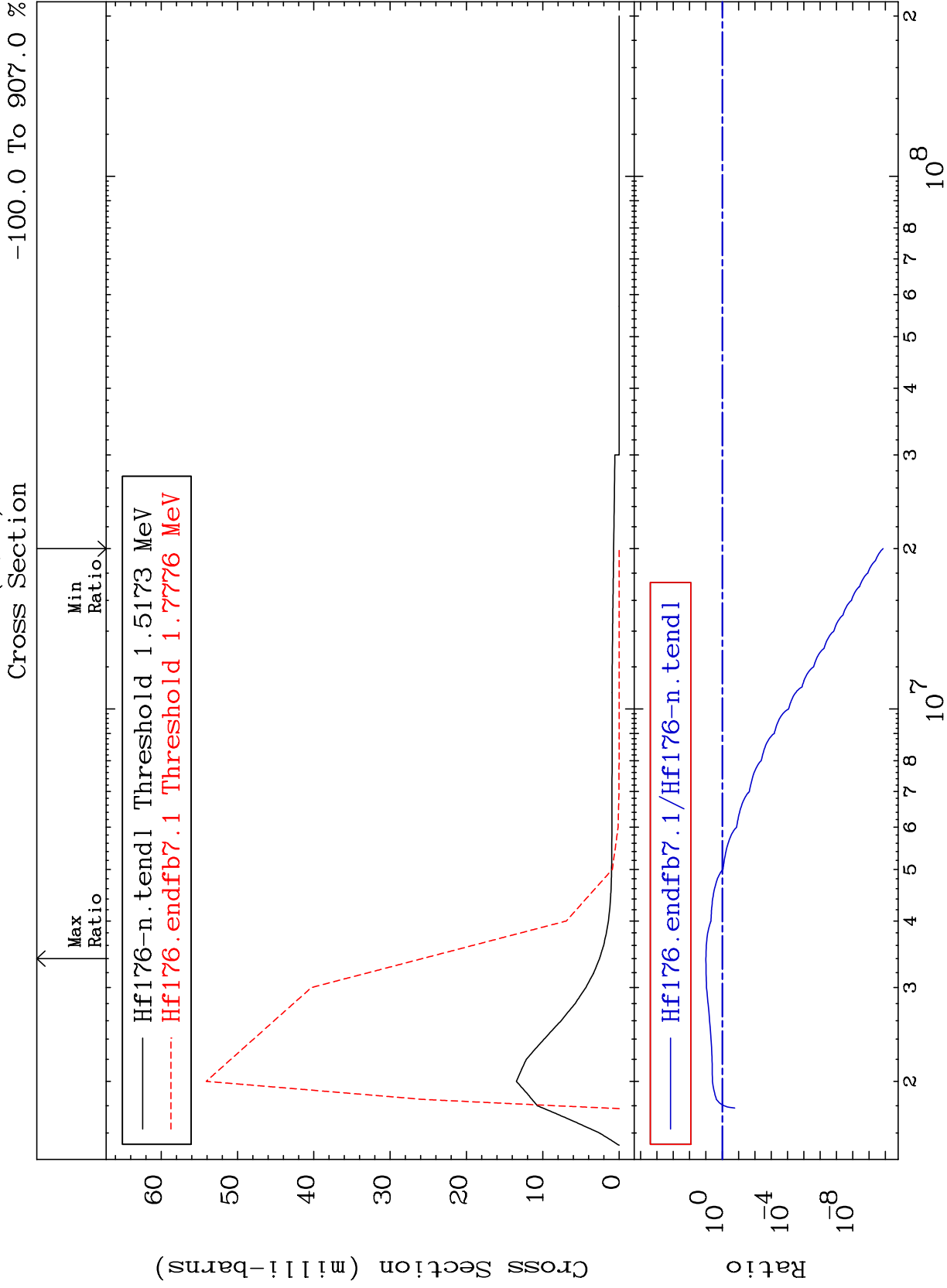


MAT 7231

1.509 MeV (n,n') Level

⁷²Hf-¹⁷⁶

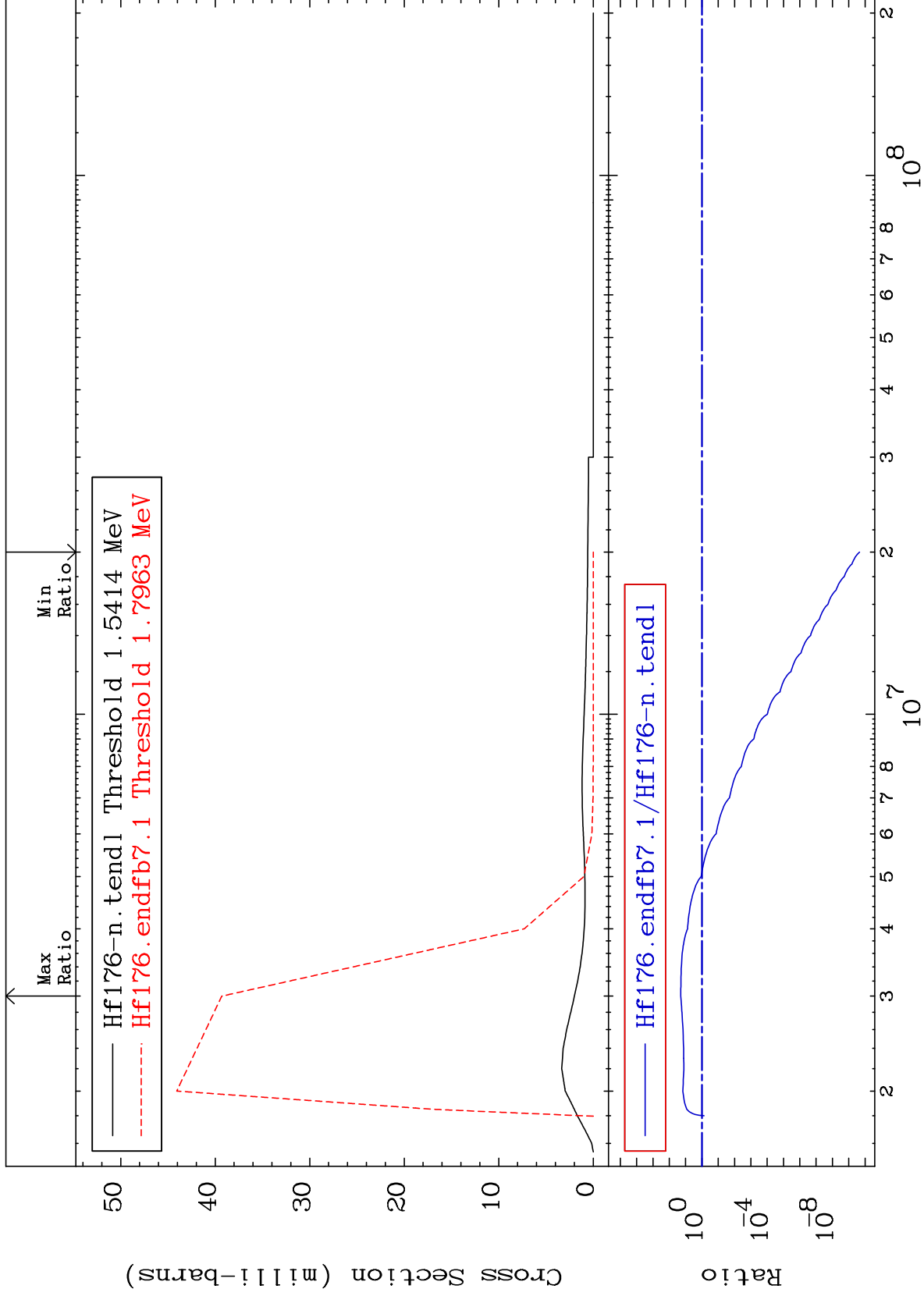
-100.0 To 907.0 %



MAT 7231

1.533 MeV (n,n') Level
Cross Section

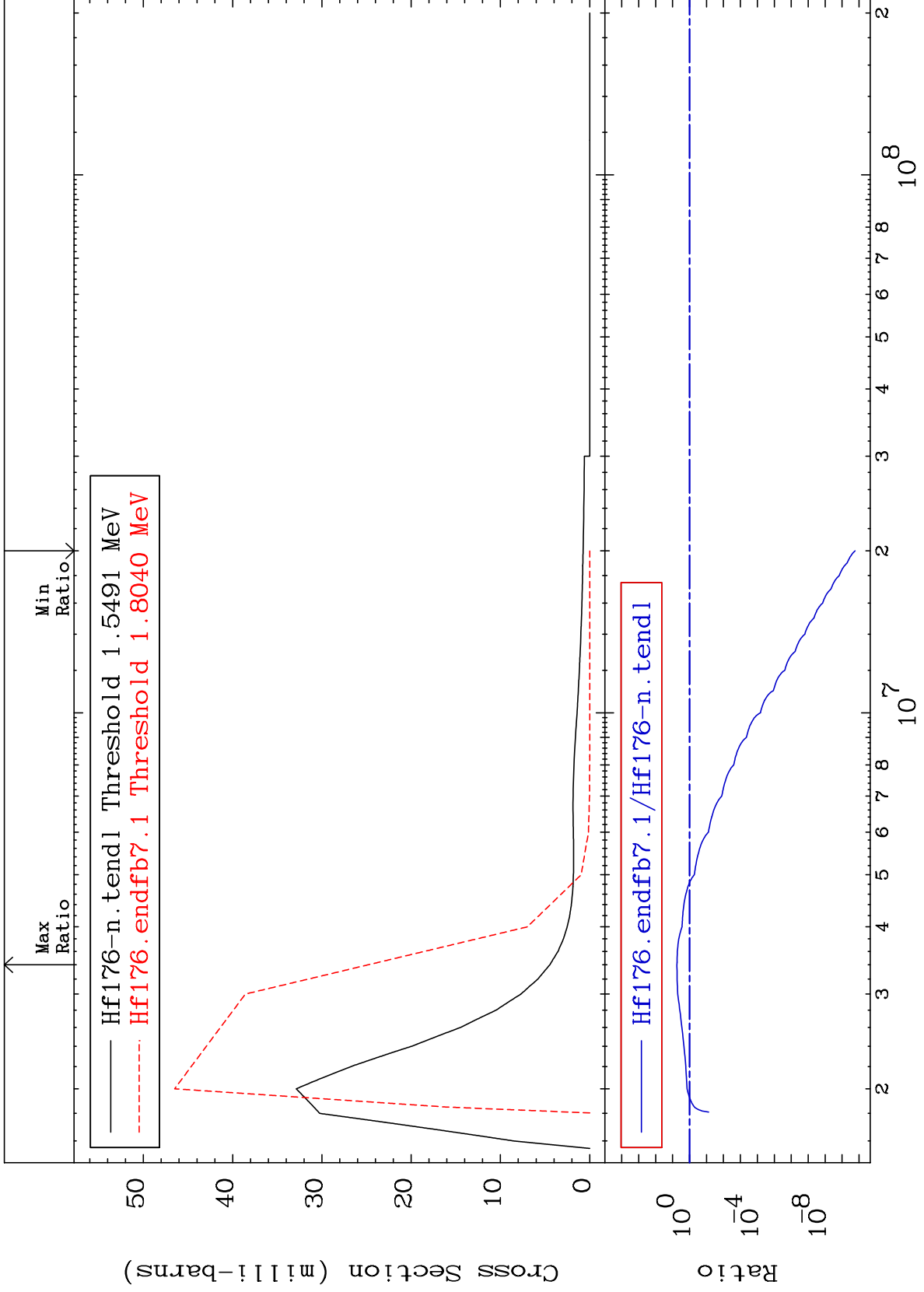
⁷²Hf-176
-100.0 To 1878. %



MAT 7231

1.540 MeV (n,n') Level
Cross Section

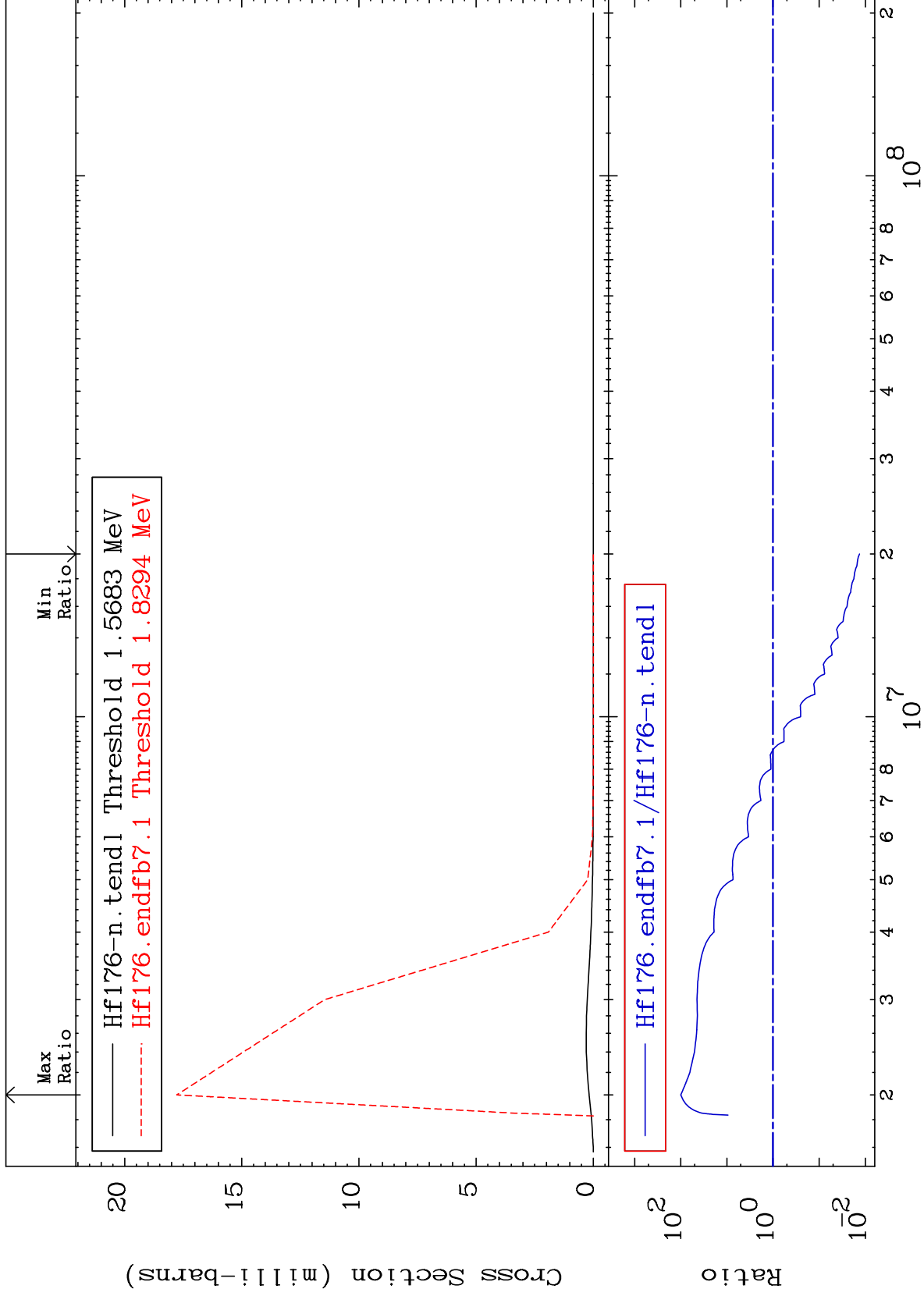
⁷²Hf-¹⁷⁶
-100.0 To 456.2 %

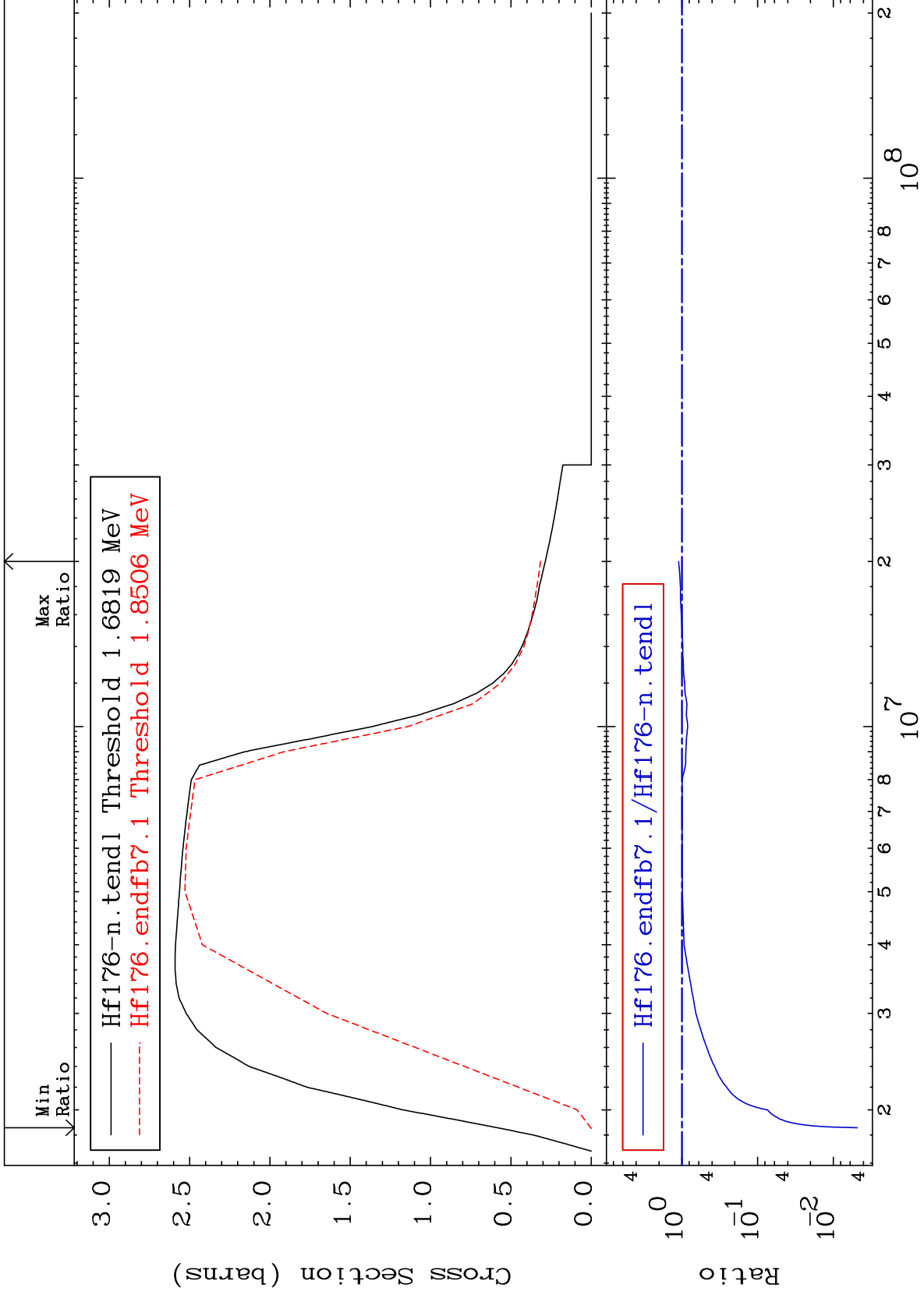


MAT 7231

1.559 MeV (n,n') Level
Cross Section

72-Hf-176
-98.67 To 9893. %

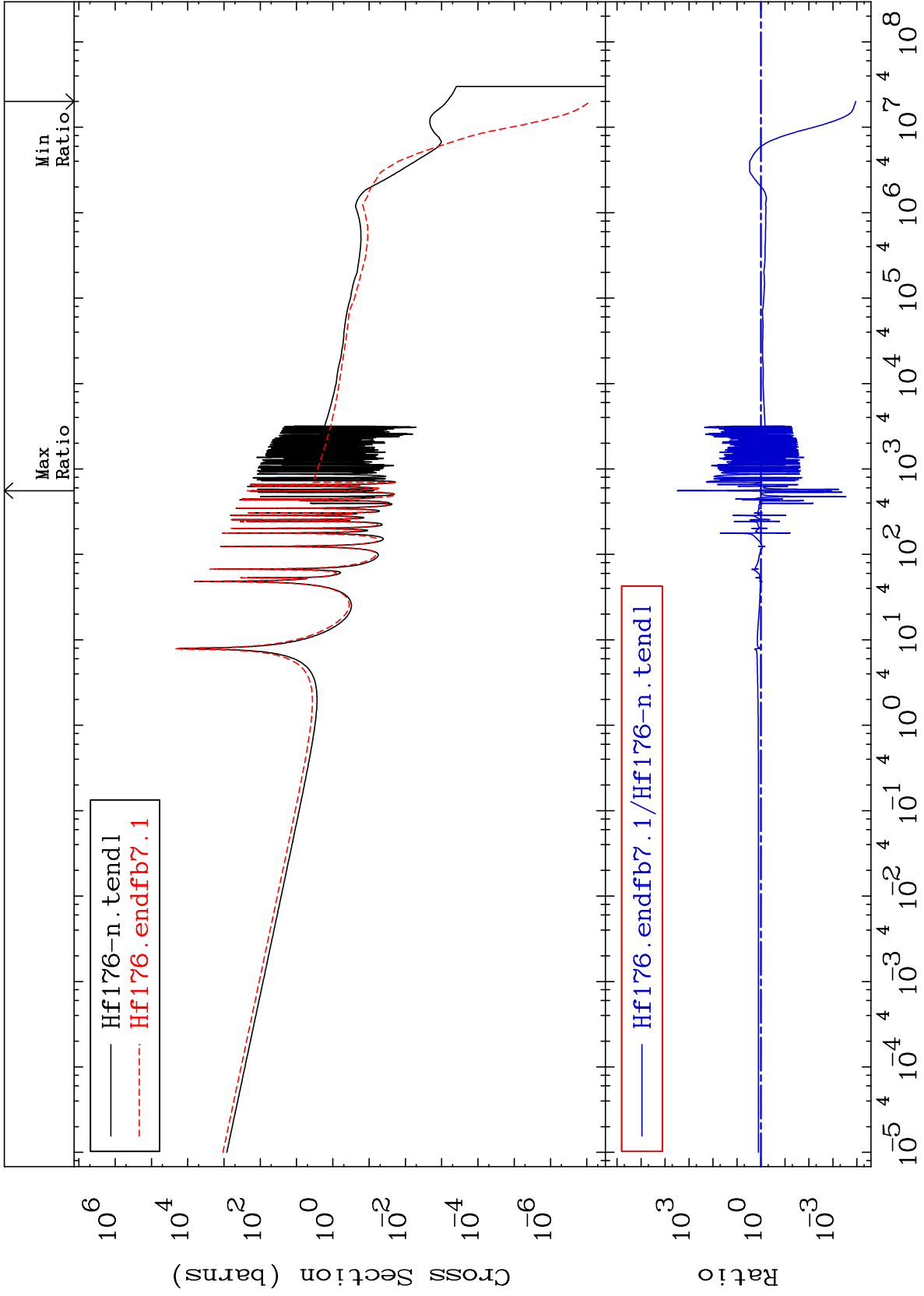




MAT 7231

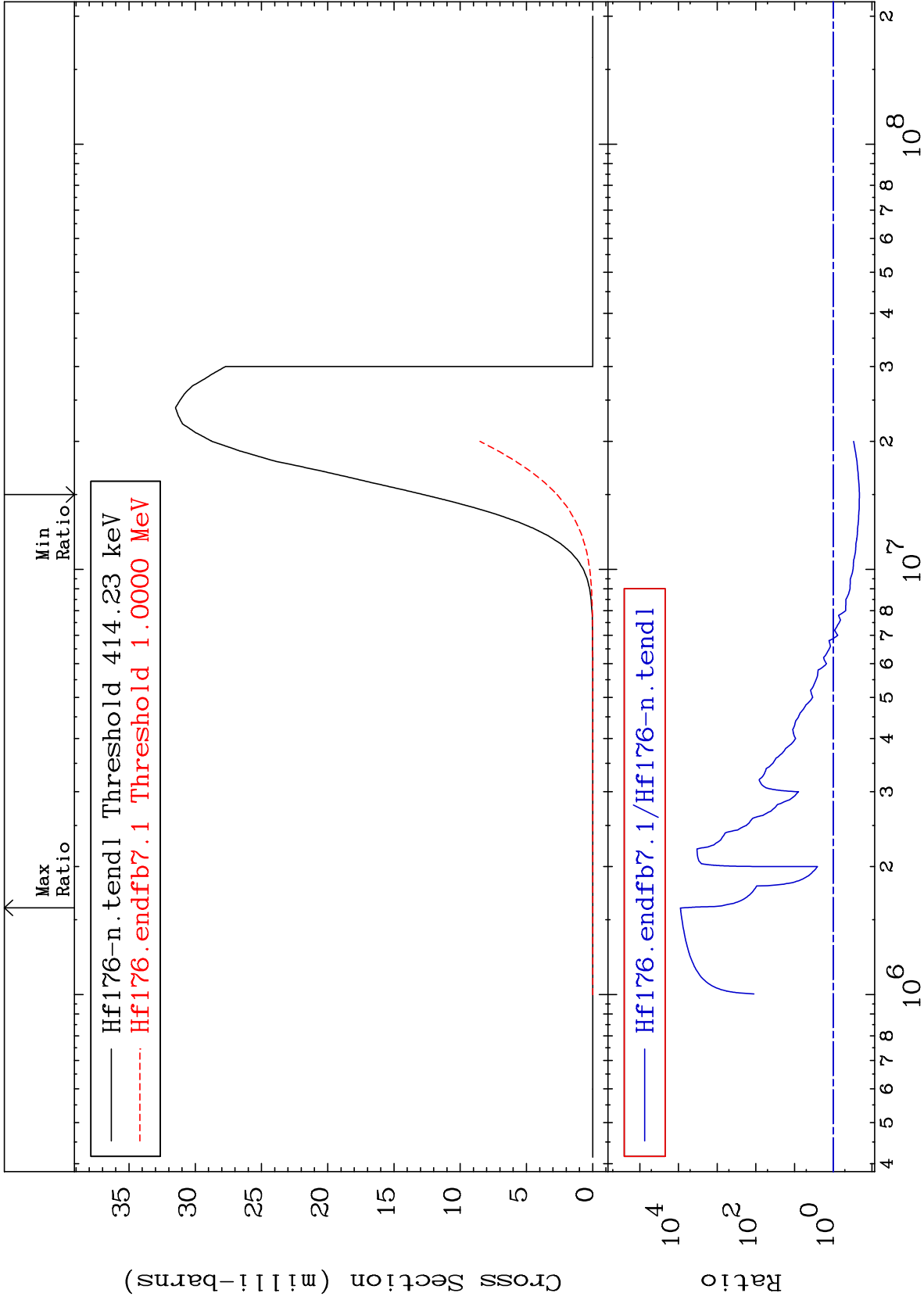
(n, γ)
Cross Section

72-Hf-176
-99.99 To 9999. %



Cross Section

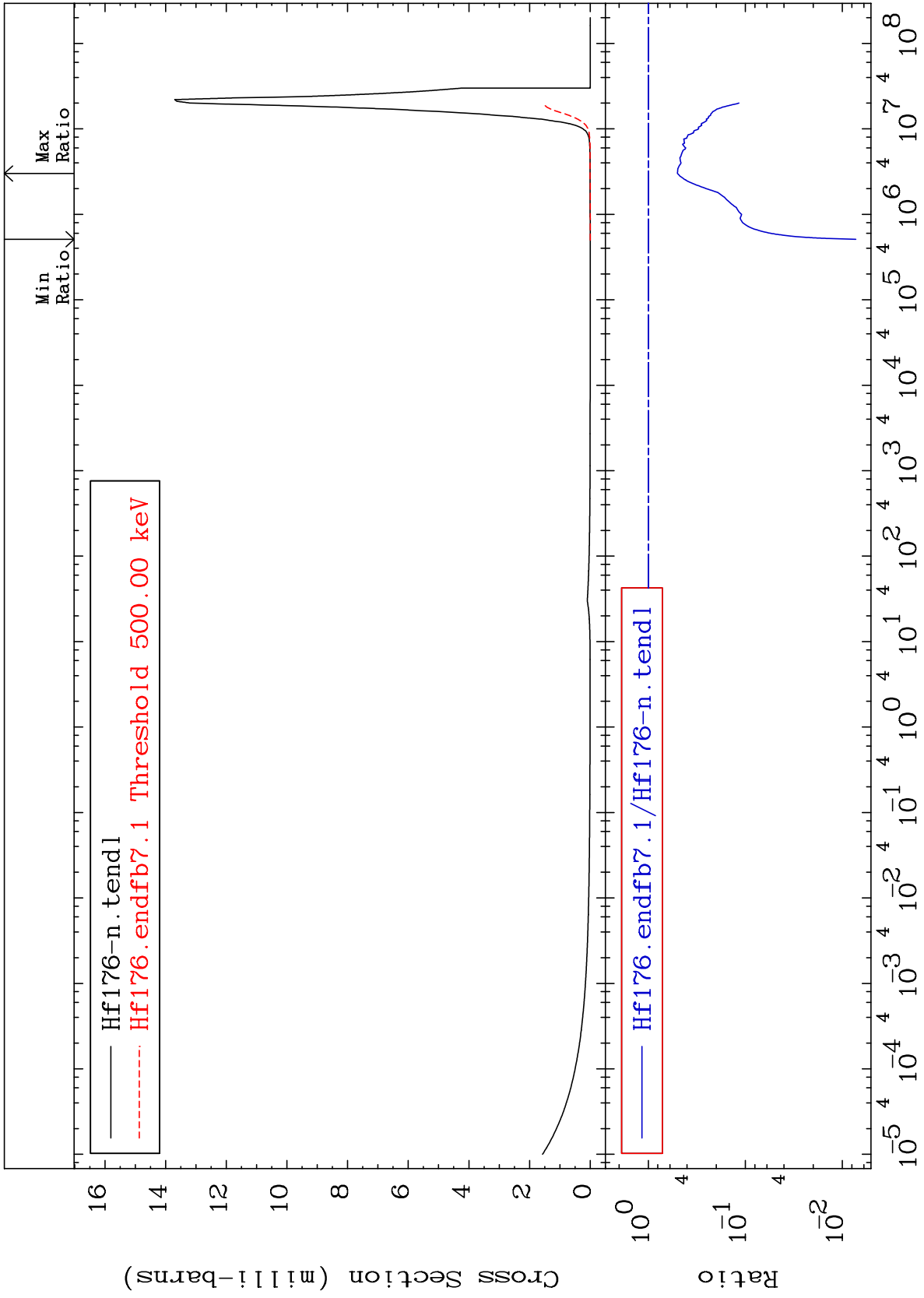
-79.01 To 9999. %

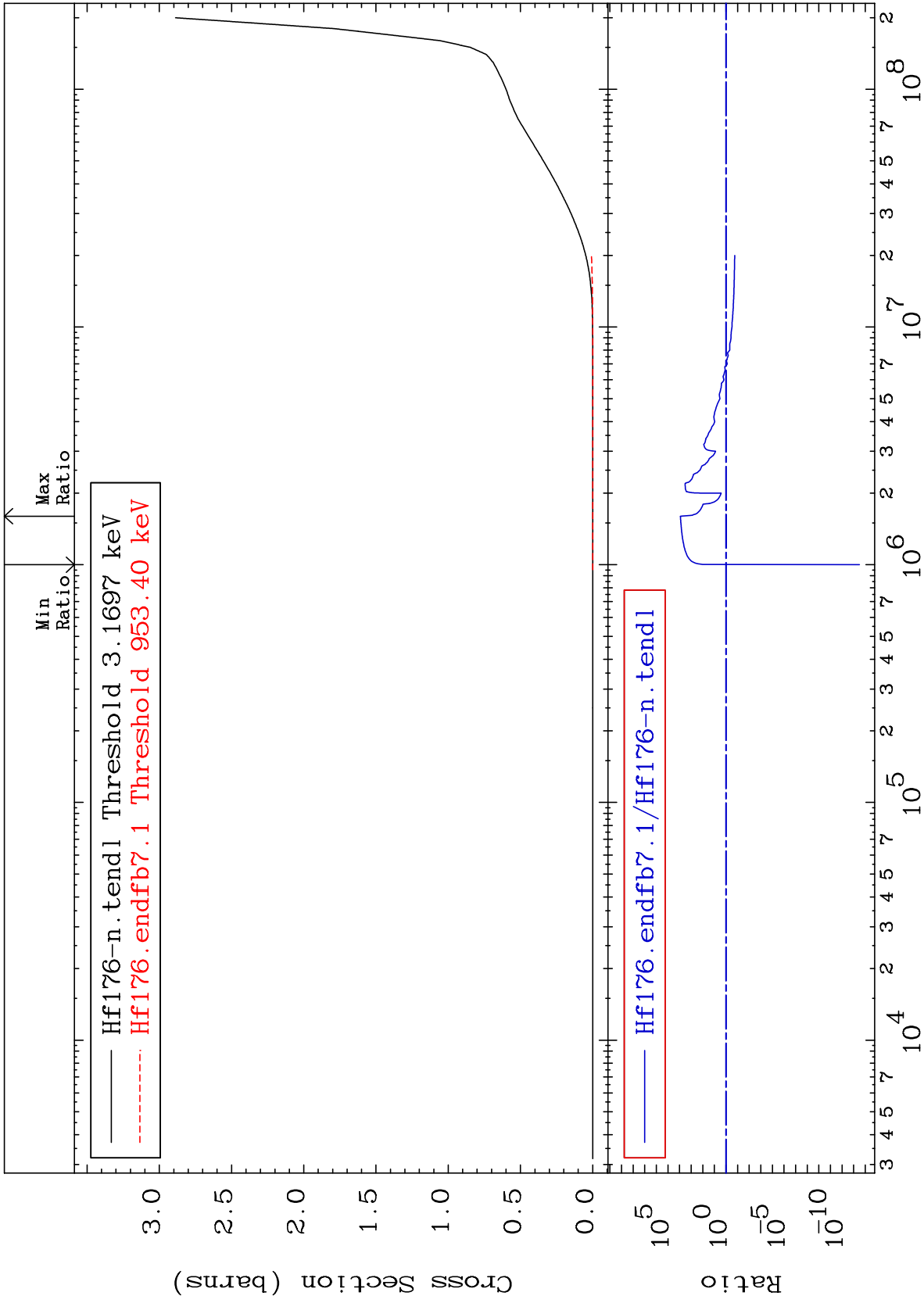


MAT 7231

(n, α)
Cross Section

72-Hf-176
-99.27 To -49.87%

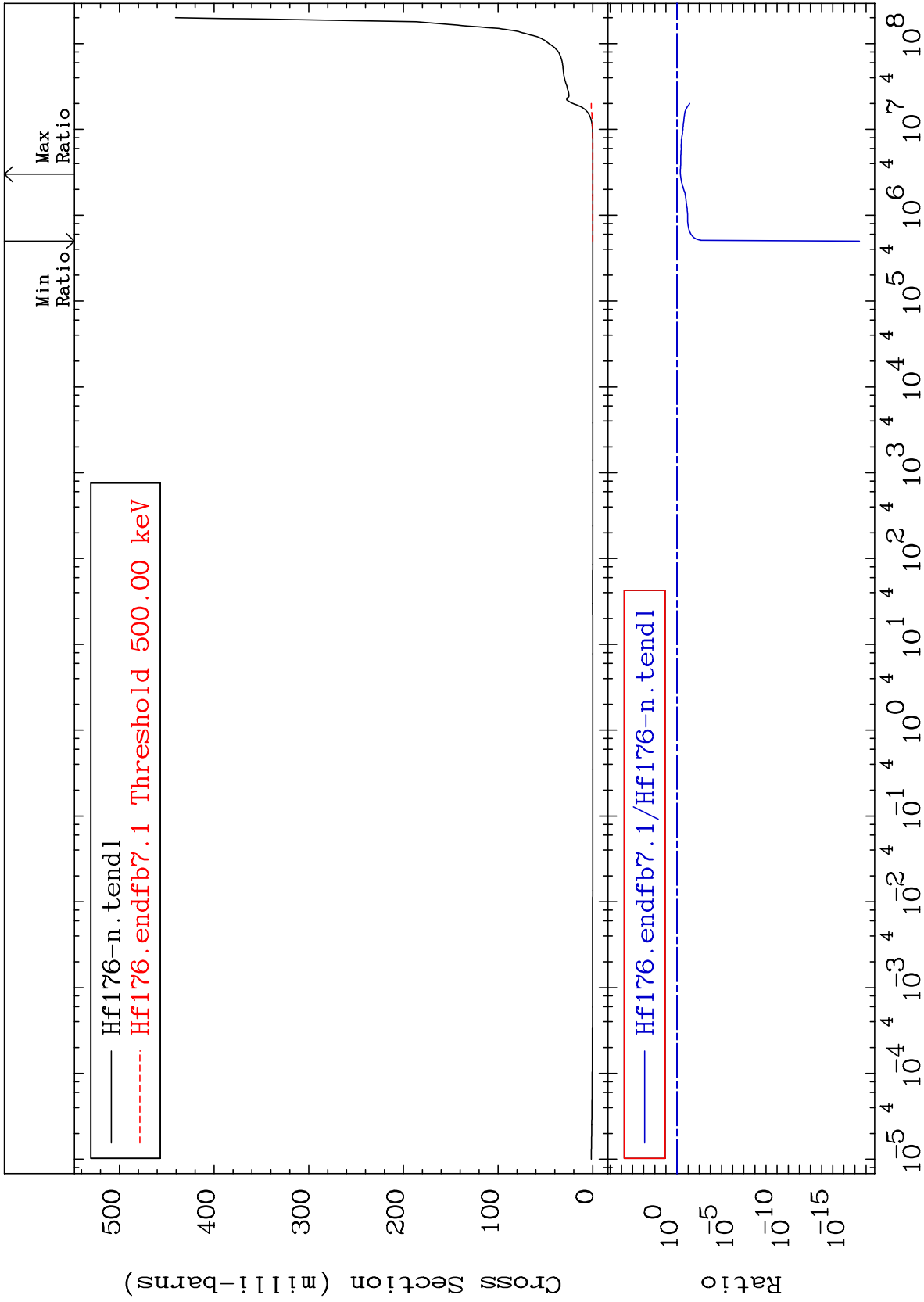




MAT 7231

He-4 Production
Cross Section

72-Hf-176
-100.0 To -49.87%



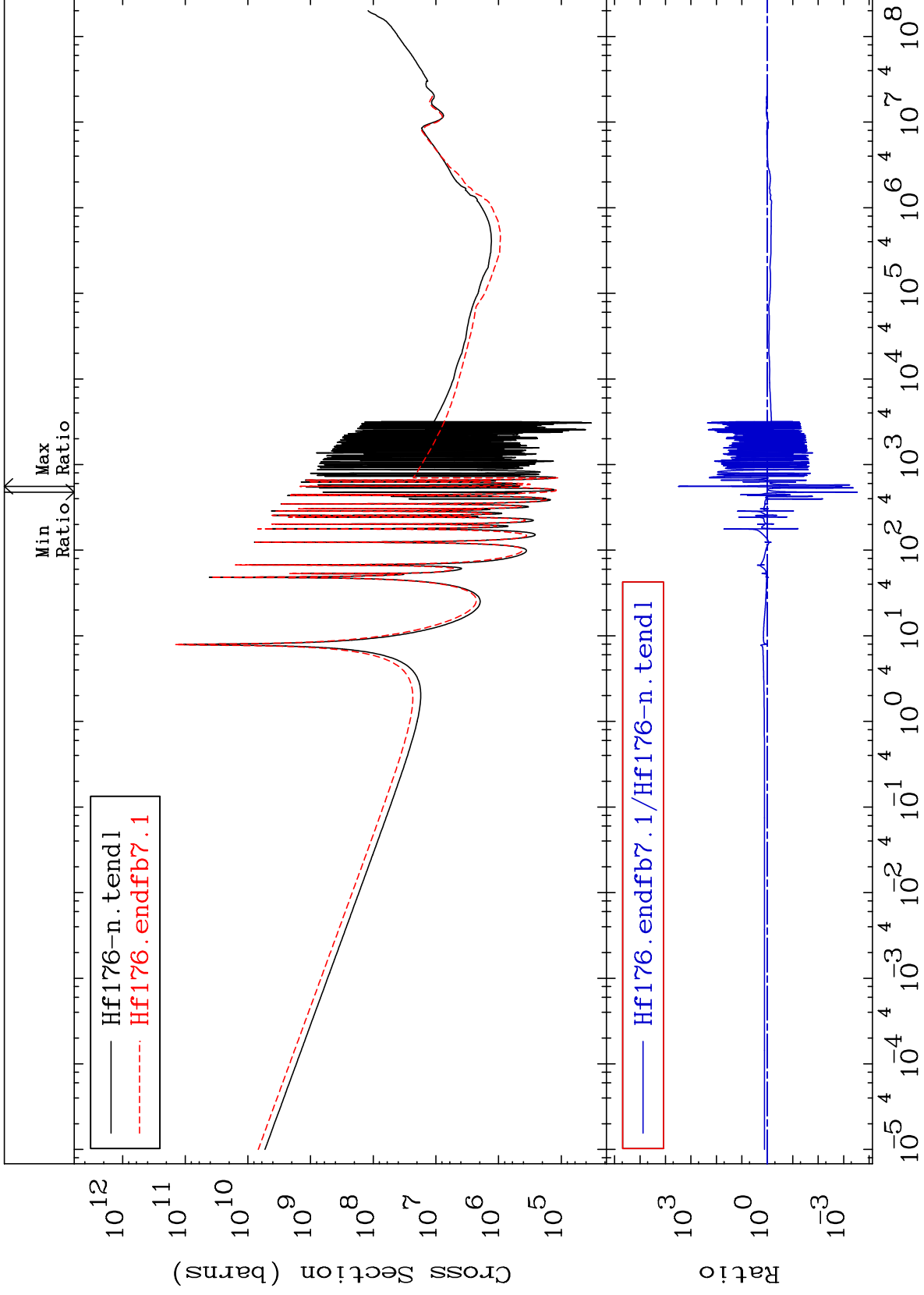
MAT 7231

Kerma total (eV-barns)

72-Hf-176

Cross Section

-99.97 To 9999. %



35

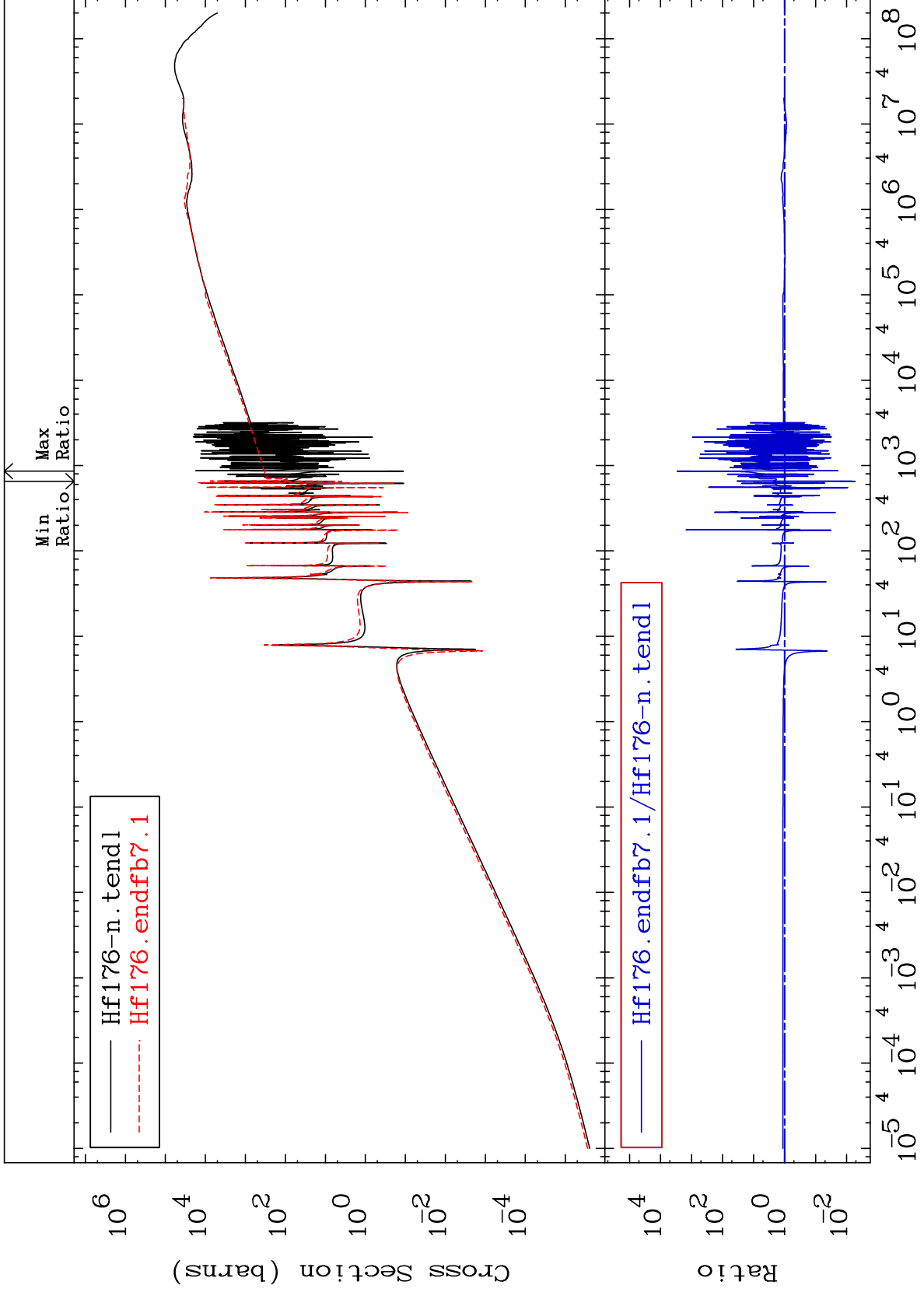
Incident Energy (eV)

72-Hf-176

MAT 7231

Kerma elastic
Cross Section

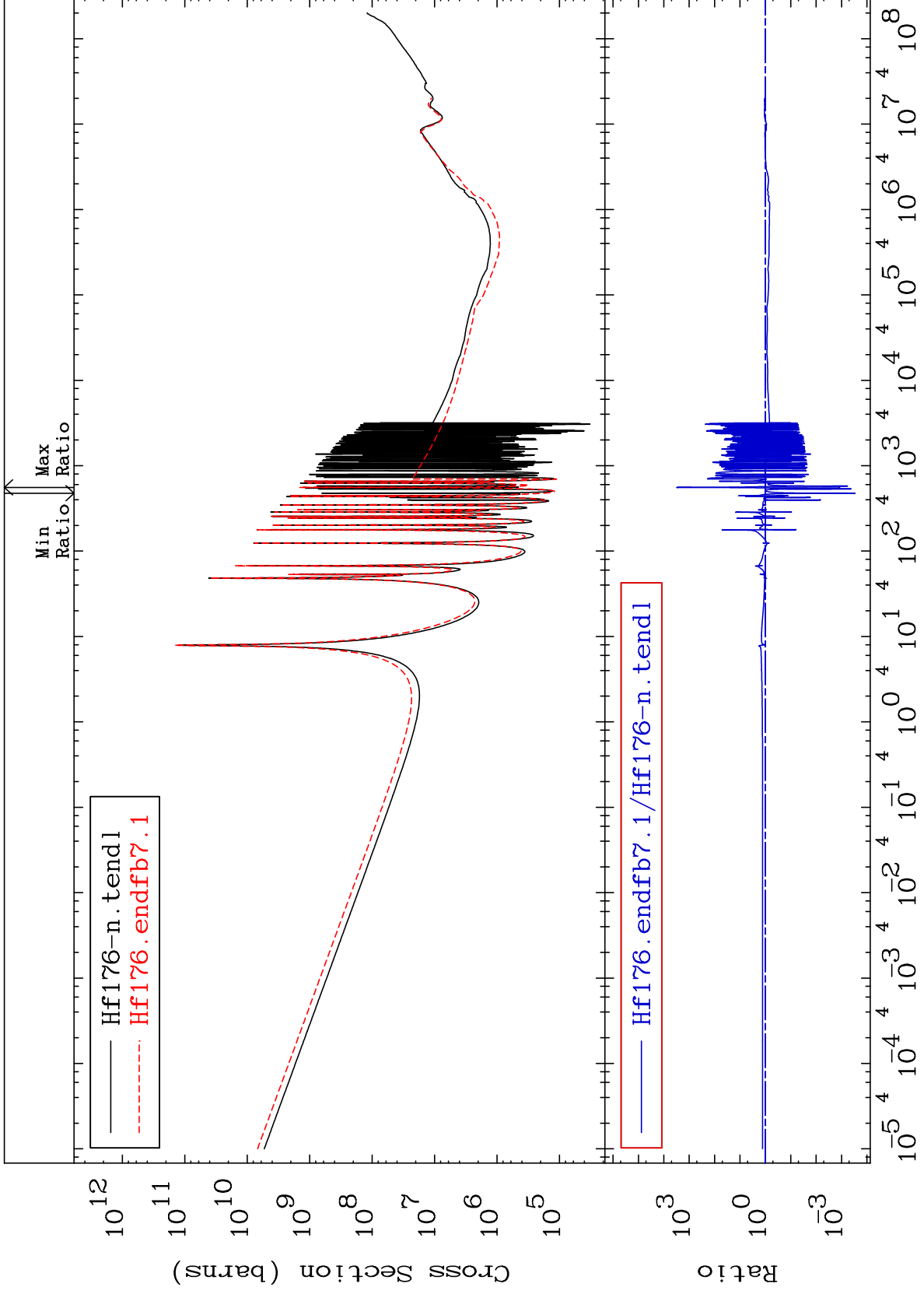
⁷²Hf-176
-99.47 To 9999. %



MAT 7231

Kerma non-elastic (all but mt2)
Cross Section

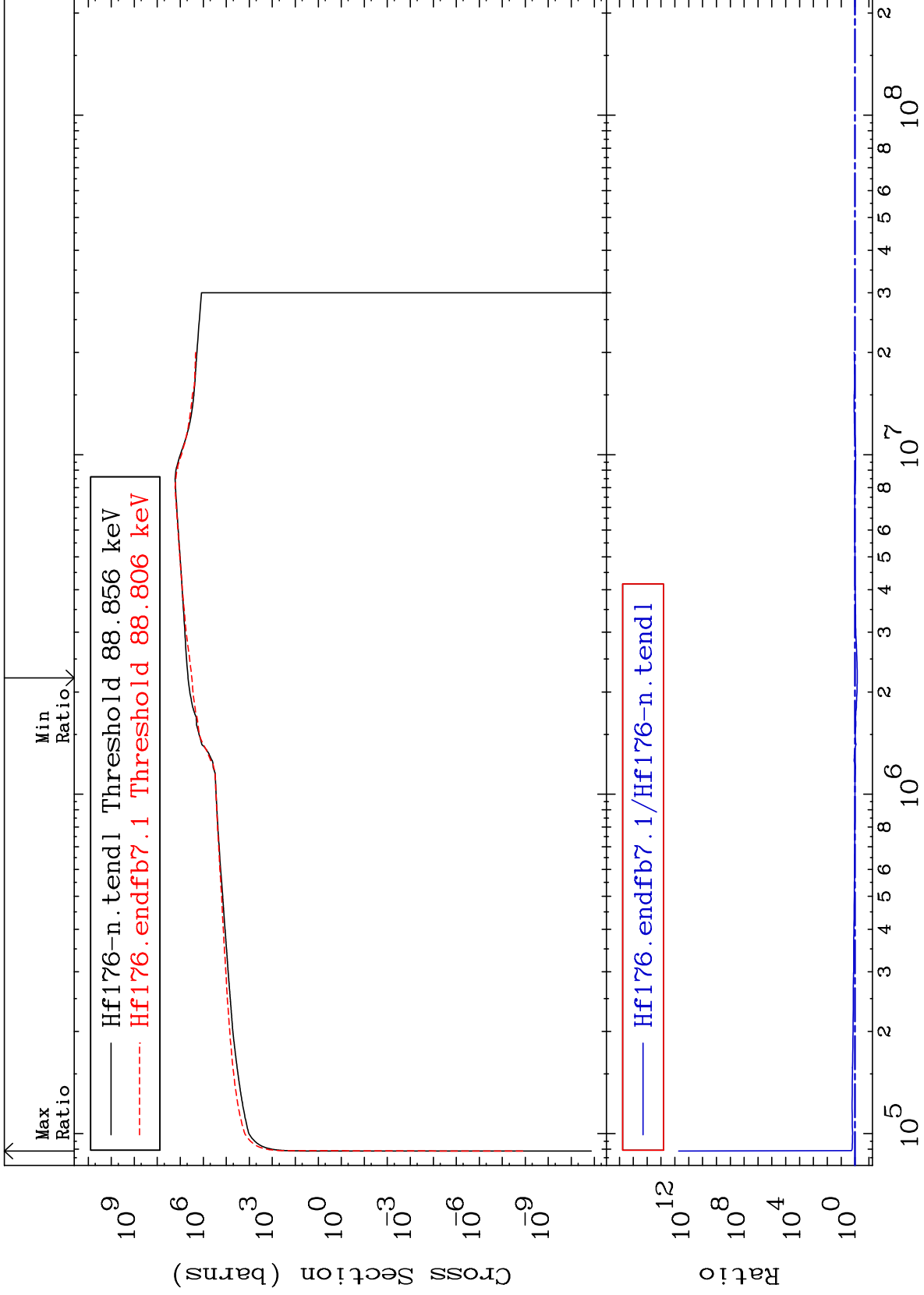
72-Hf-176
-99.97 To 9999. %



37

Incident Energy (eV)

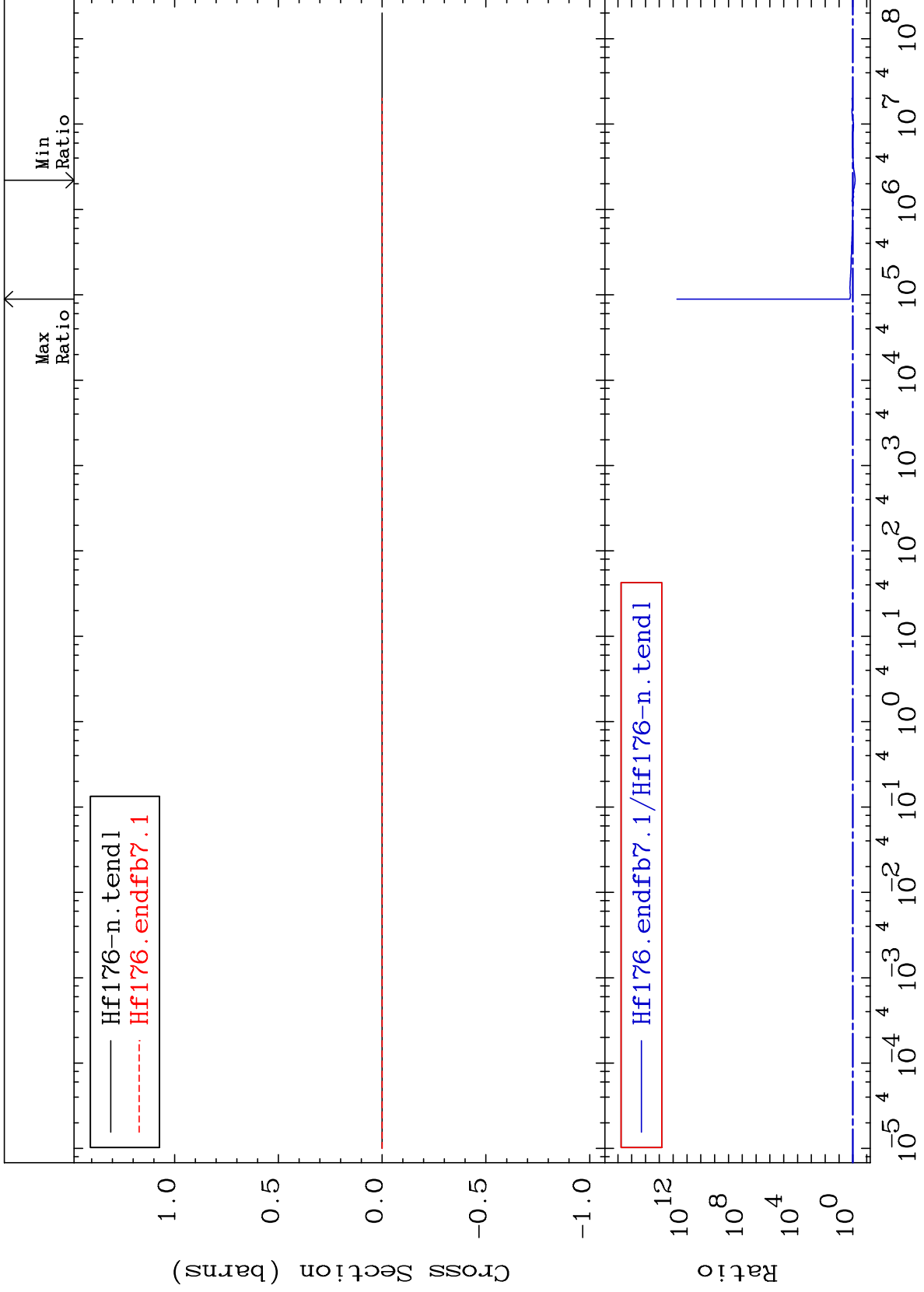
72-Hf-176



MAT 7231

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

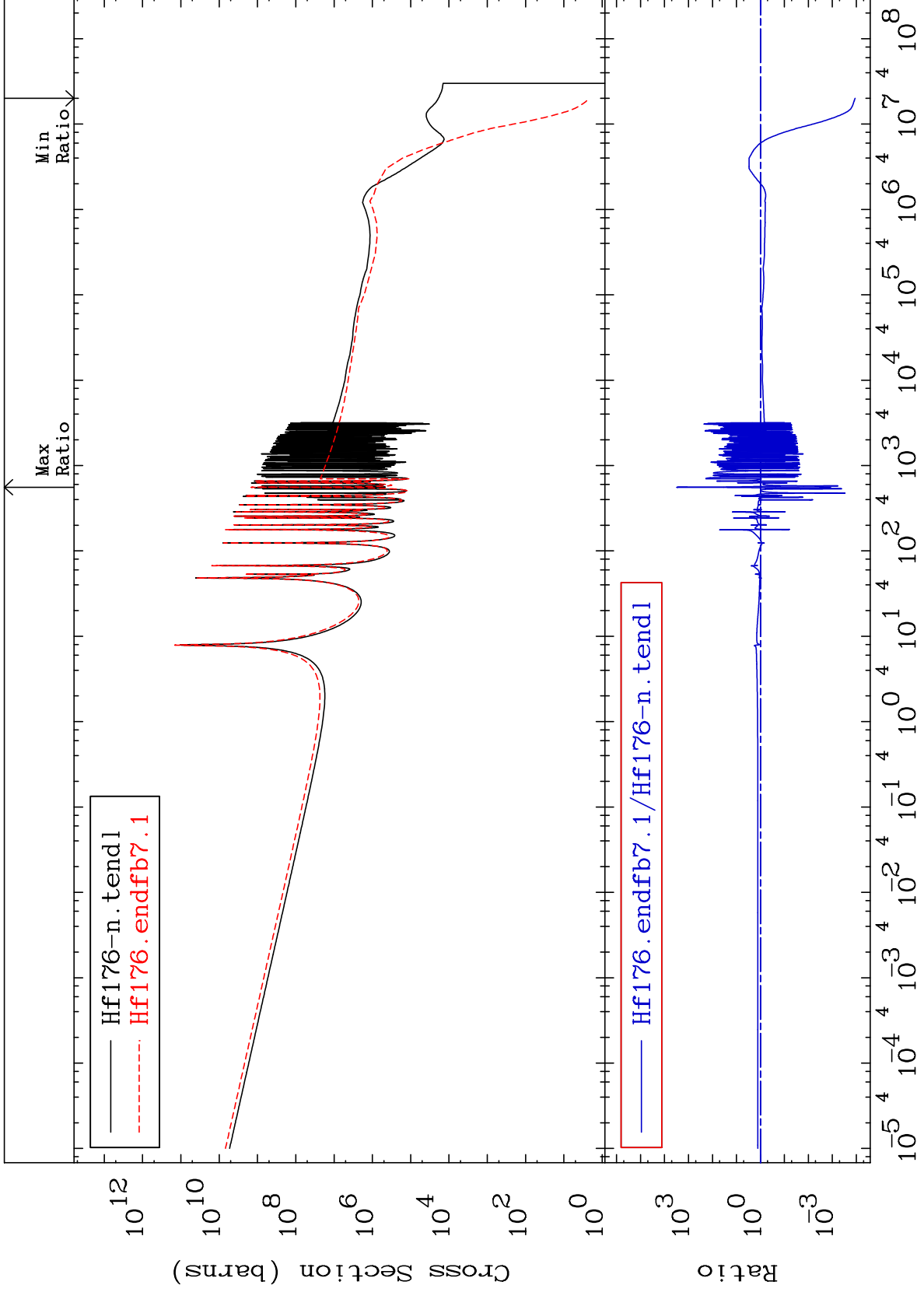
72-Hf-176
-31.28 To 9999. %



MAT 7231

Kerma capture (mt102)
Cross Section

72-Hf-176
-99.99 To 9999. %



40

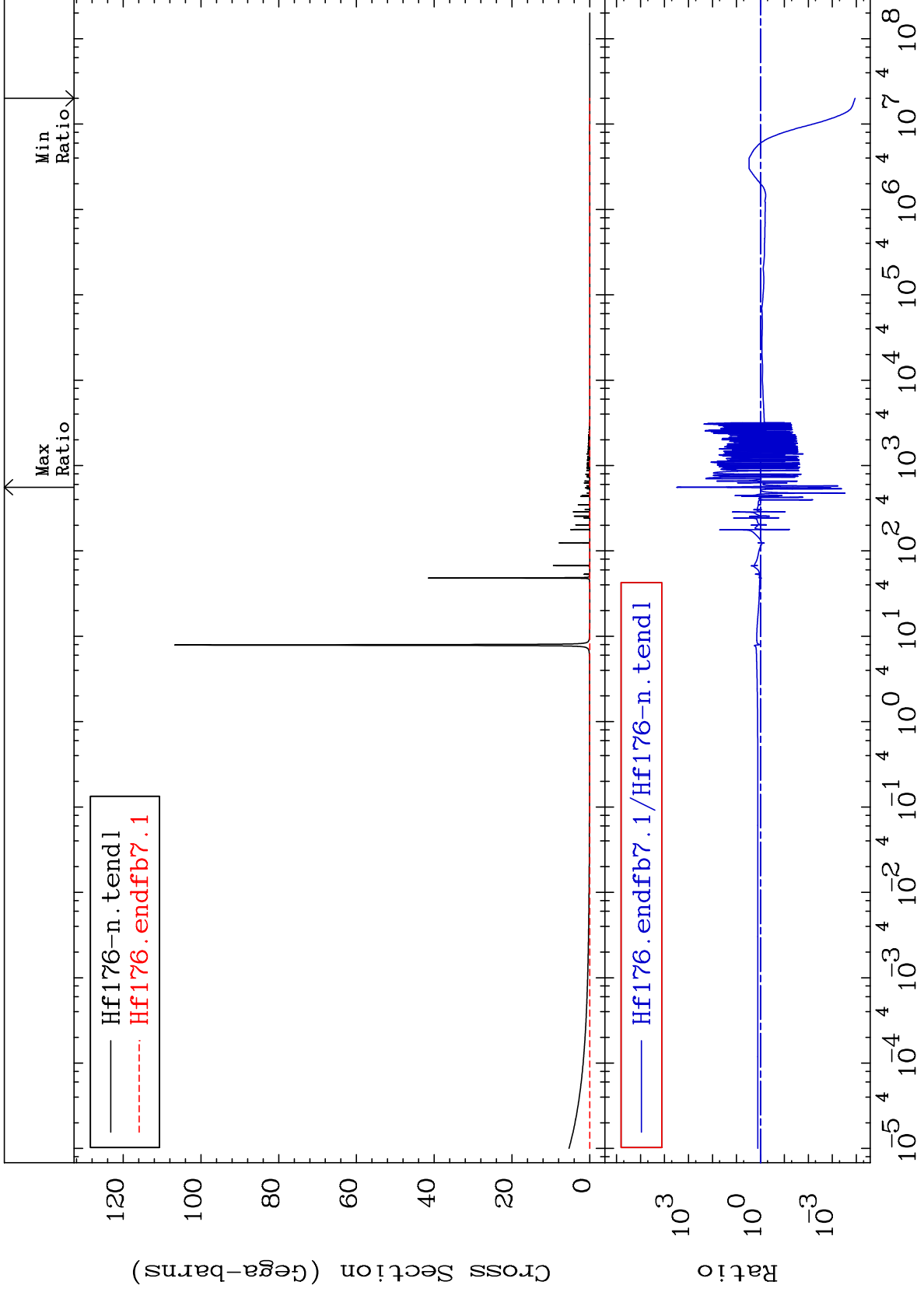
Incident Energy (eV)

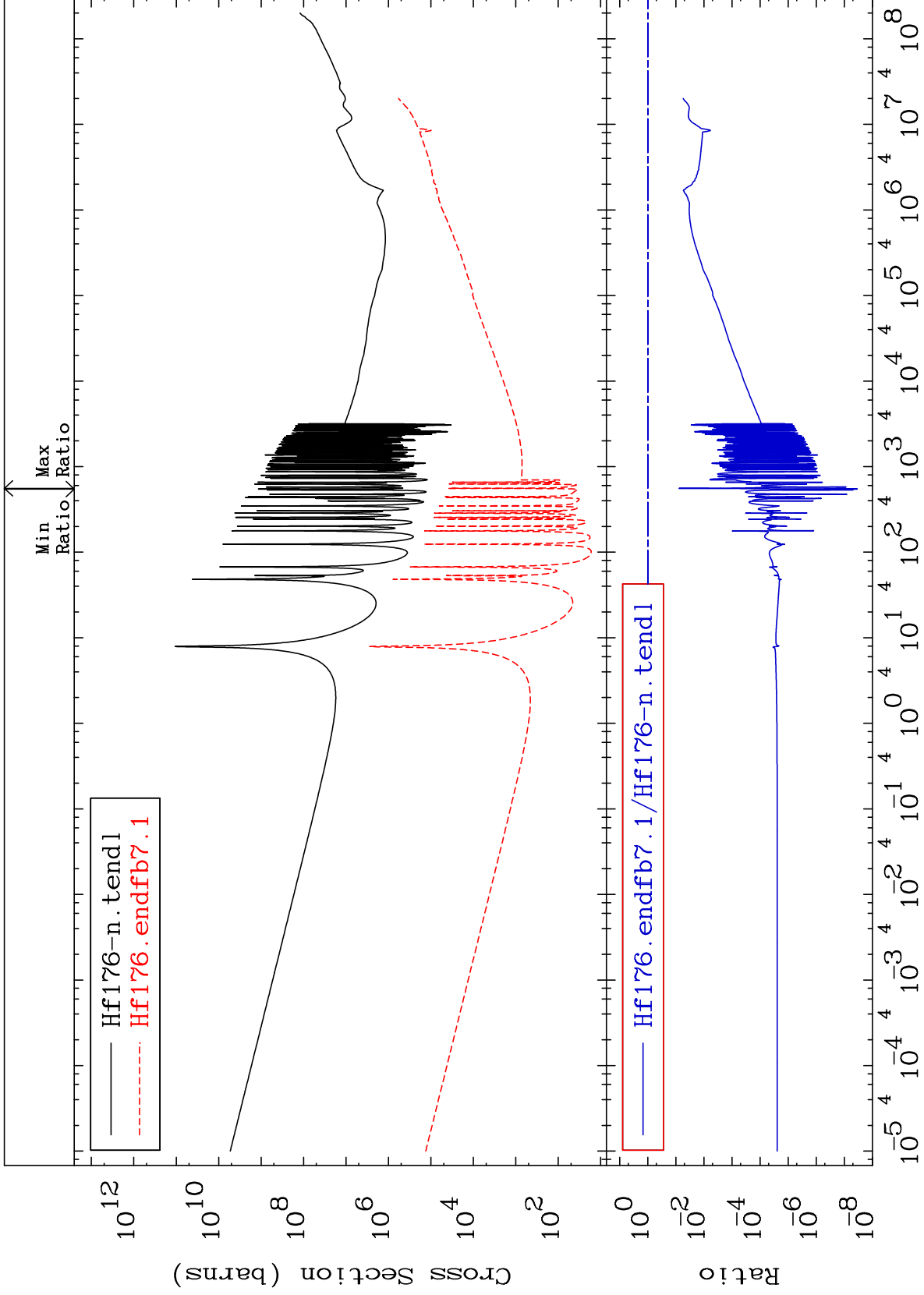
72-Hf-176

MAT 7231

Total photon (eV-barns)
Cross Section

72-Hf-176
-99.99 To 9999. %

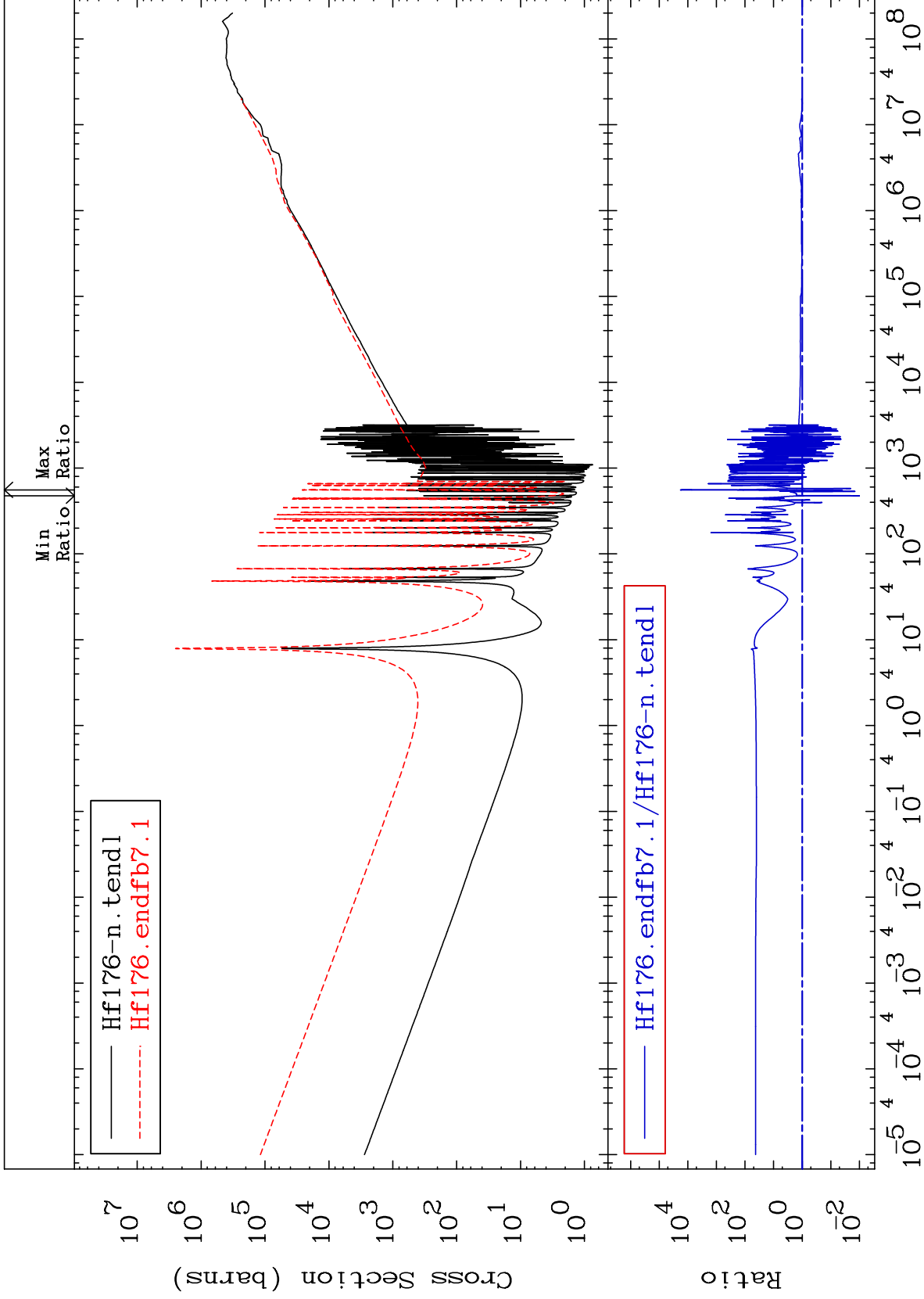




MAT 7231

Dpa total (eV-barns)
Cross Section

72-Hf-176
-99.00 To 9999. %



43

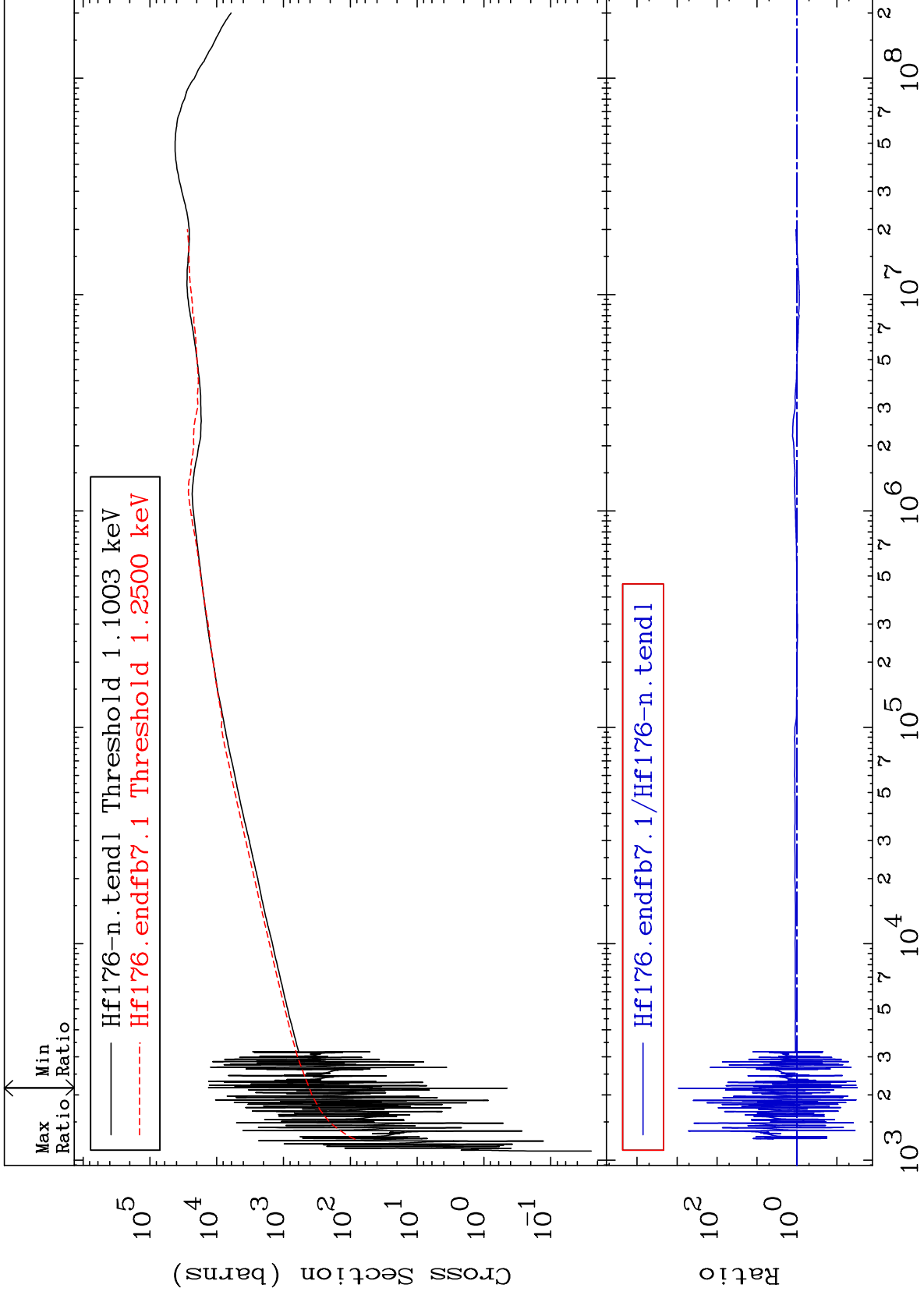
Incident Energy (eV)

72-Hf-176

MAT 7231

Dpa elastic (mt2)
Cross Section

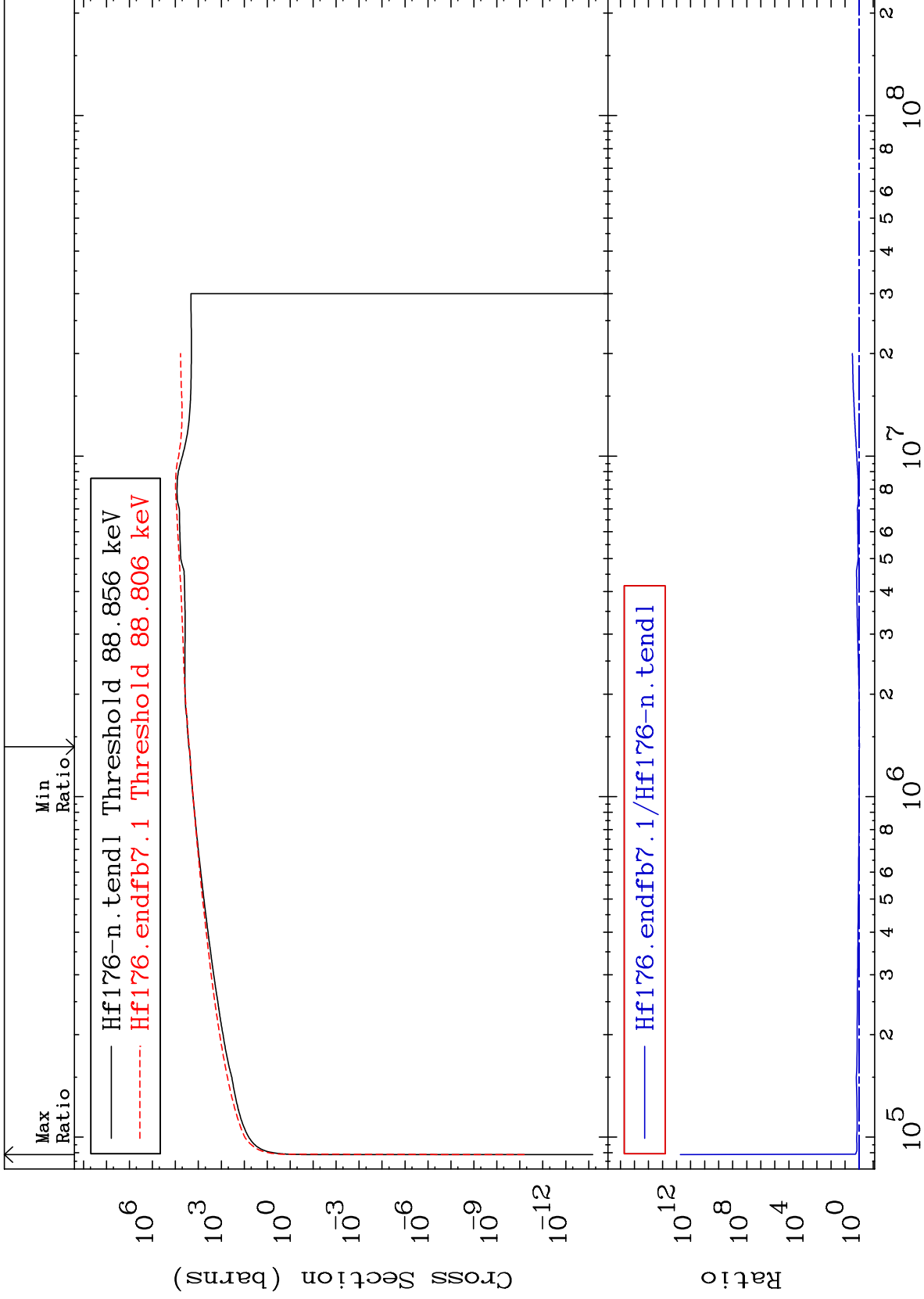
72-Hf-176
-96.90 To 9999. %



MAT 7231

Dpa inelastic (mt51-91)
Cross Section

72-Hf-176
-5.438 To 9999. %



45

Incident Energy (eV)

72-Hf-176

