

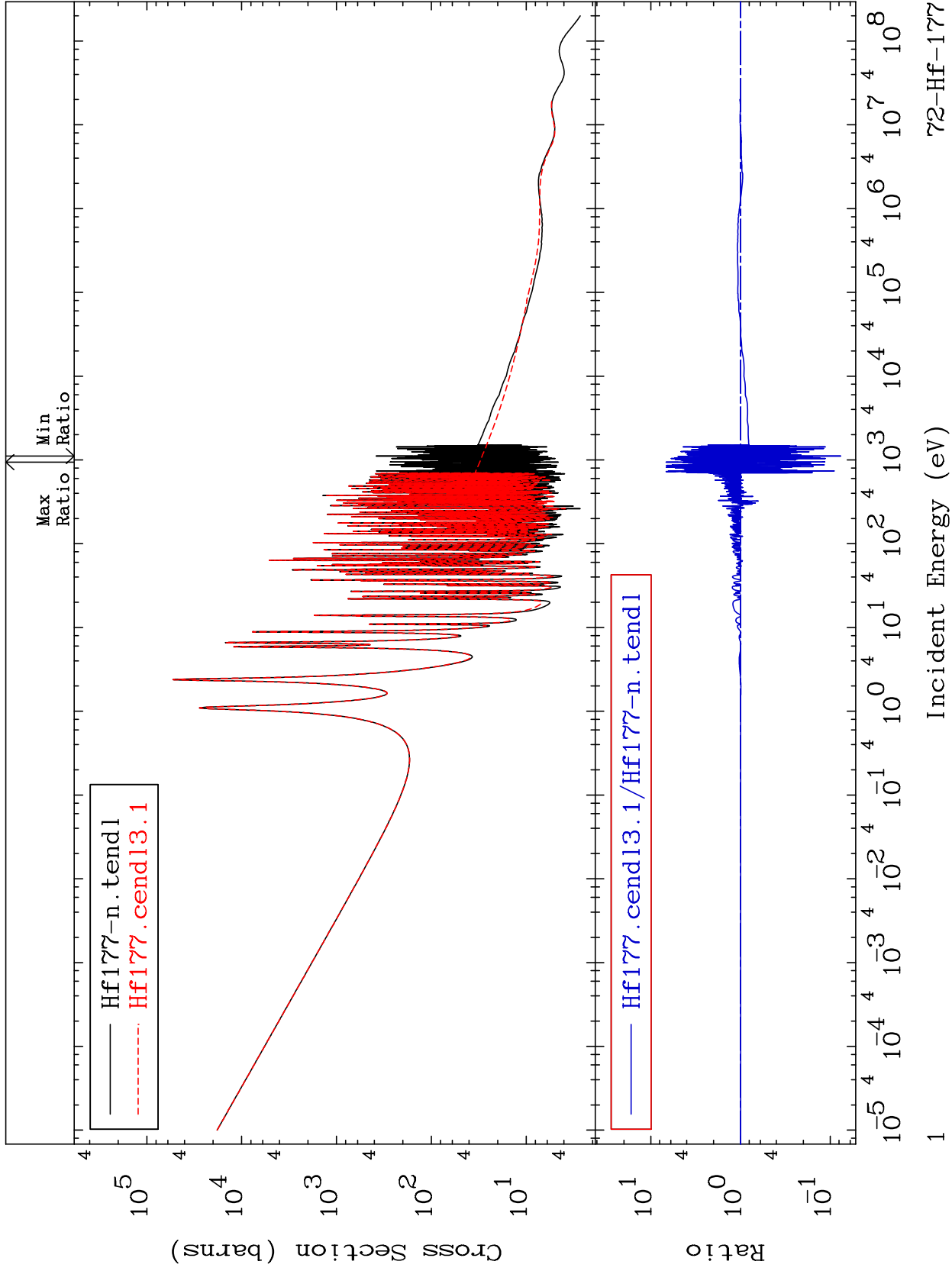
MAT 7234

Total

72-Hf-177

Cross Section

-92.38 To 579.4 %

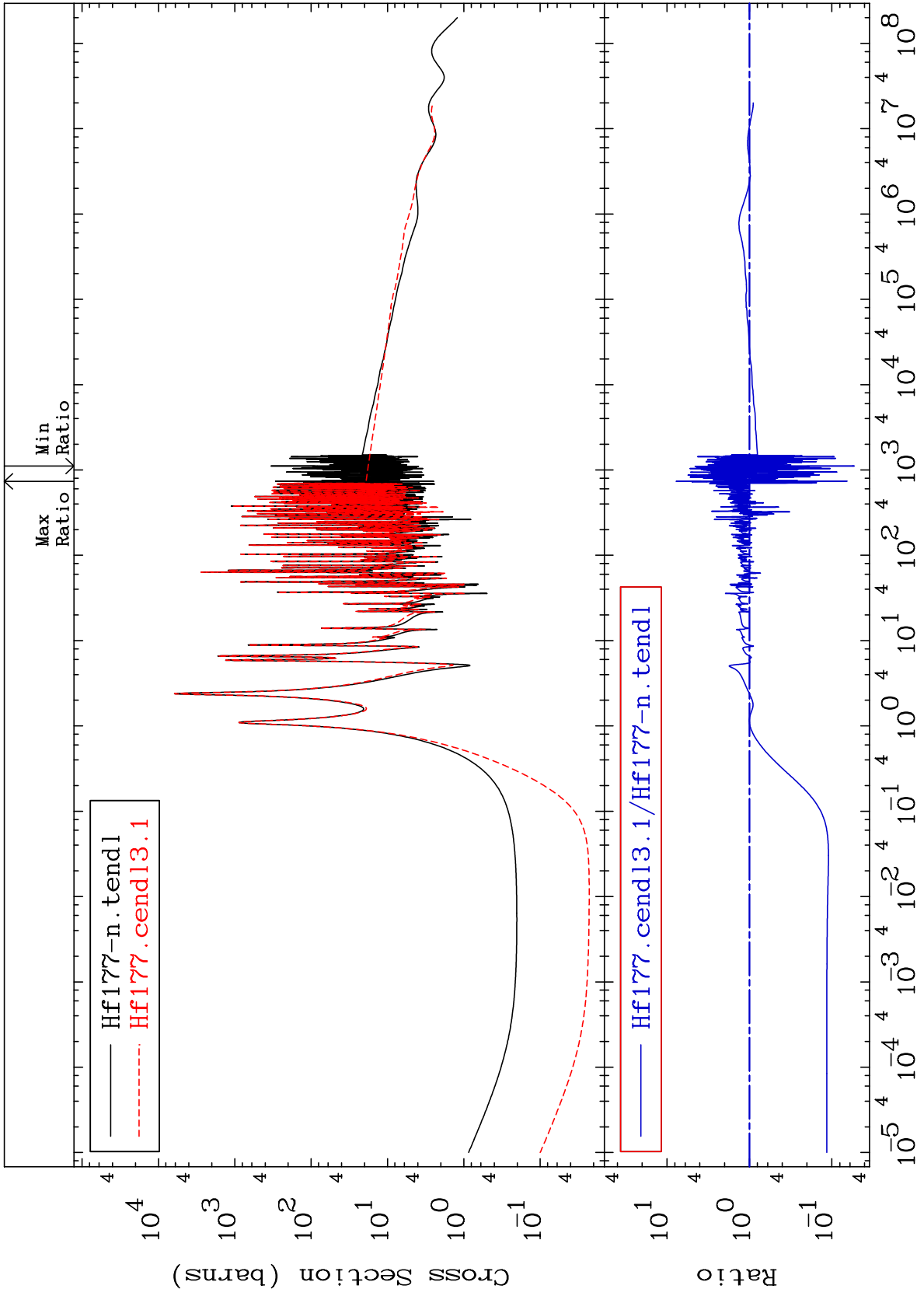


72-Hf-177

MAT 7234

Elastic
Cross Section

72-Hf-177
-94.68 To 669.4 %



Incident Energy (eV)

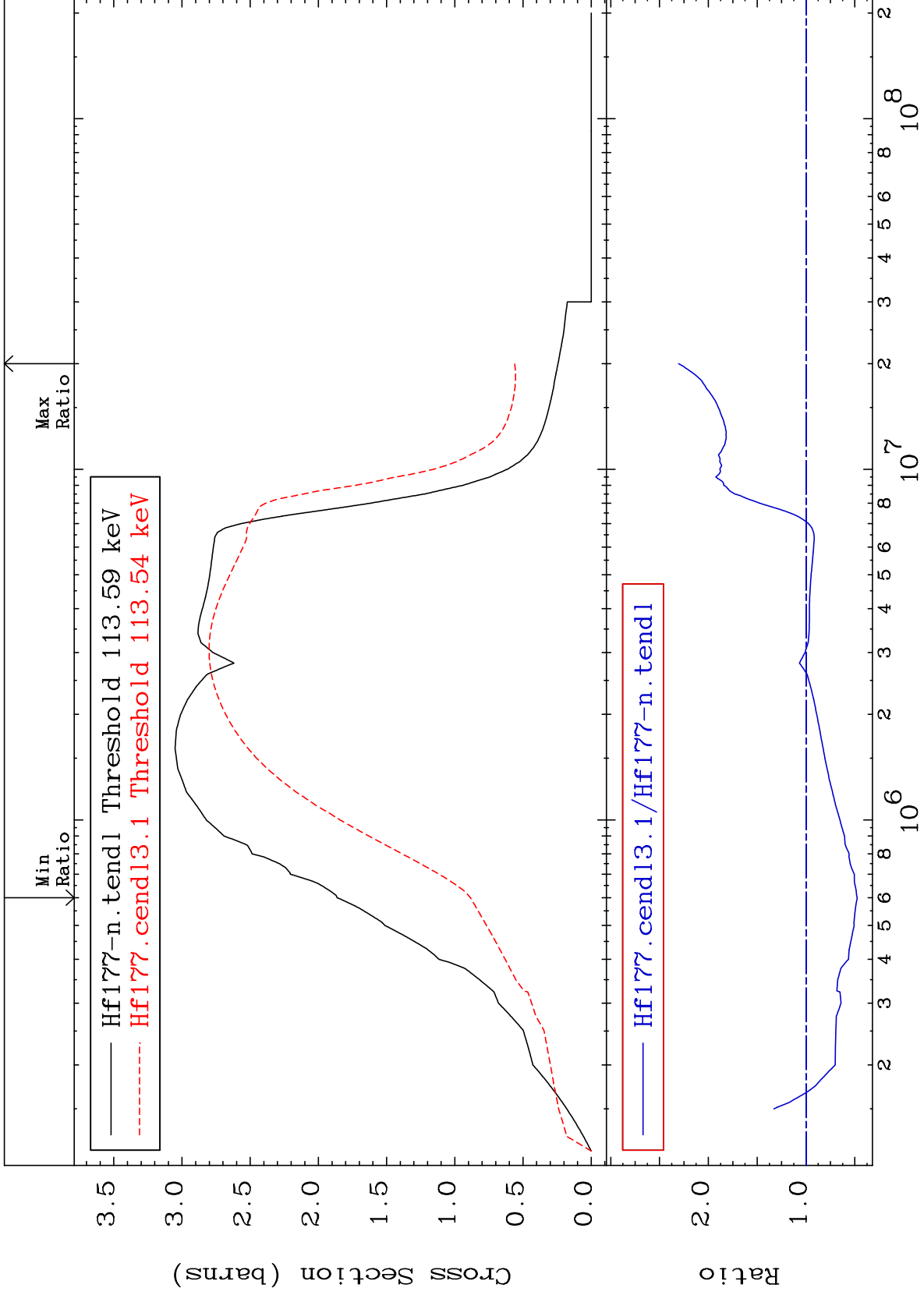
72-Hf-177

2

MAT 7234

Inelastic
Cross Section

72-Hf-177
-52.46 To 130.4 %



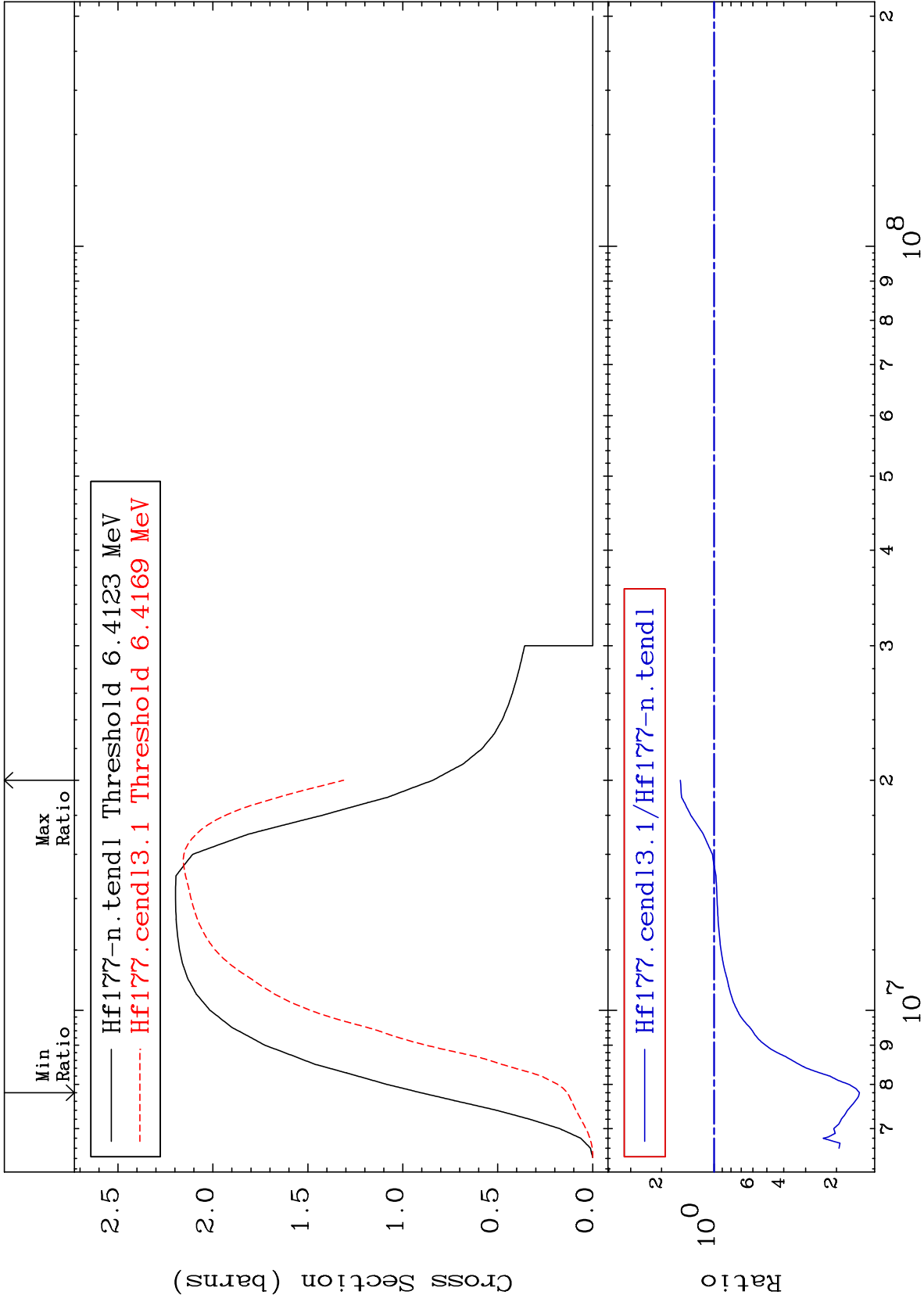
MAT 7234

(n,2n)

72-Hf-177

Cross Section

-85.22 To 55.94 %



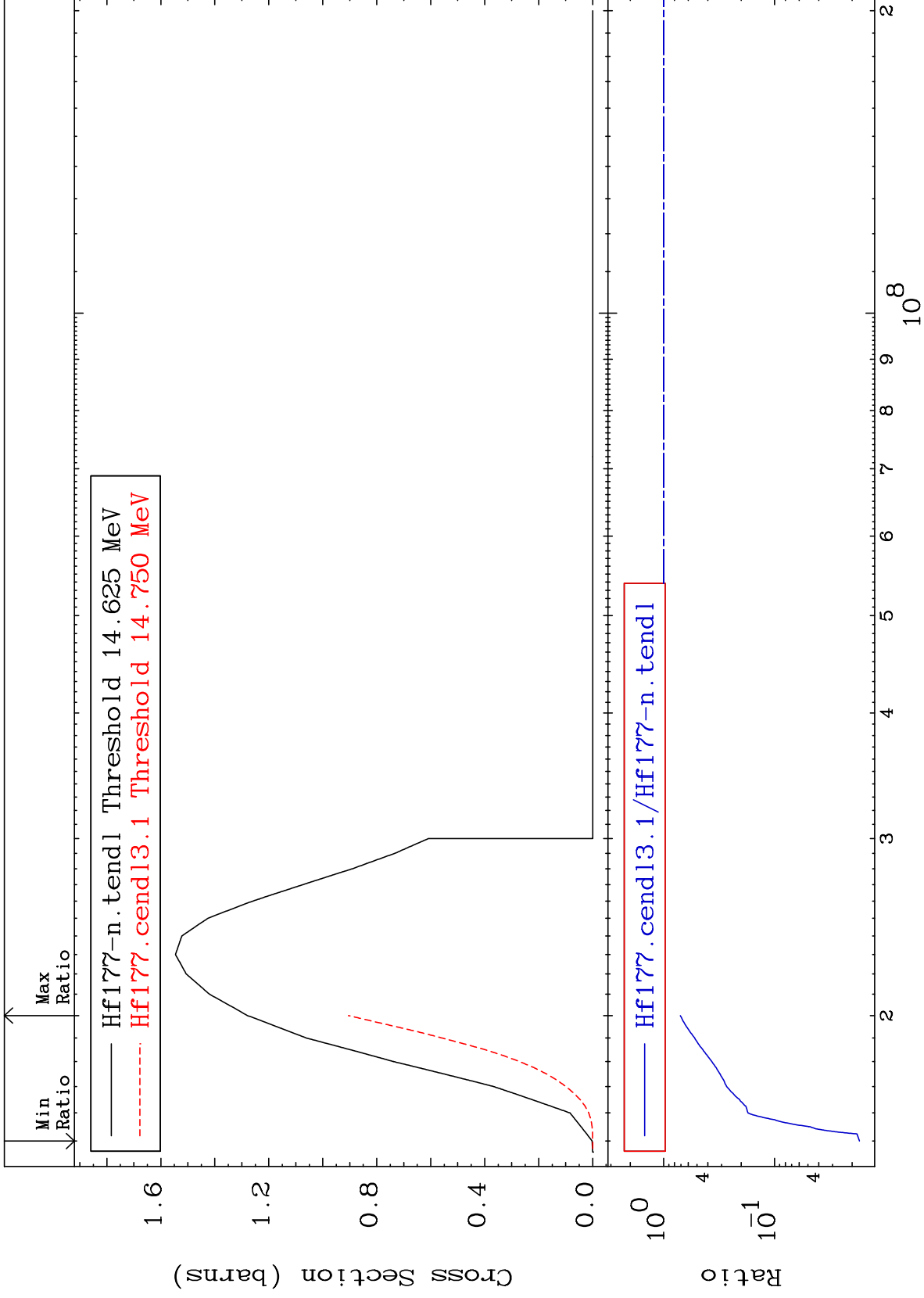
MAT 7234

(n,3n)

72-Hf-177

Cross Section

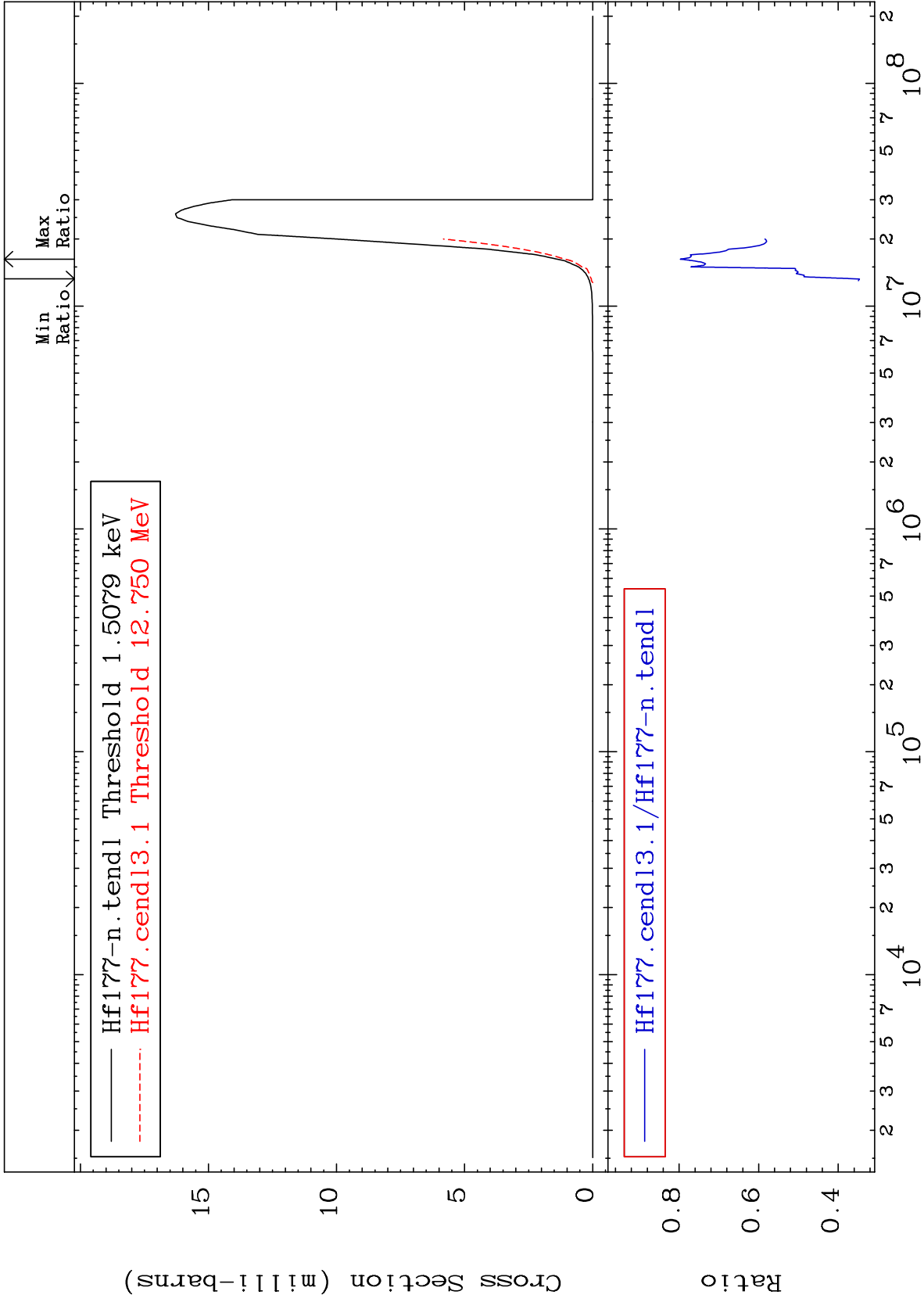
-98.28 To -29.24%



MAT 7234

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

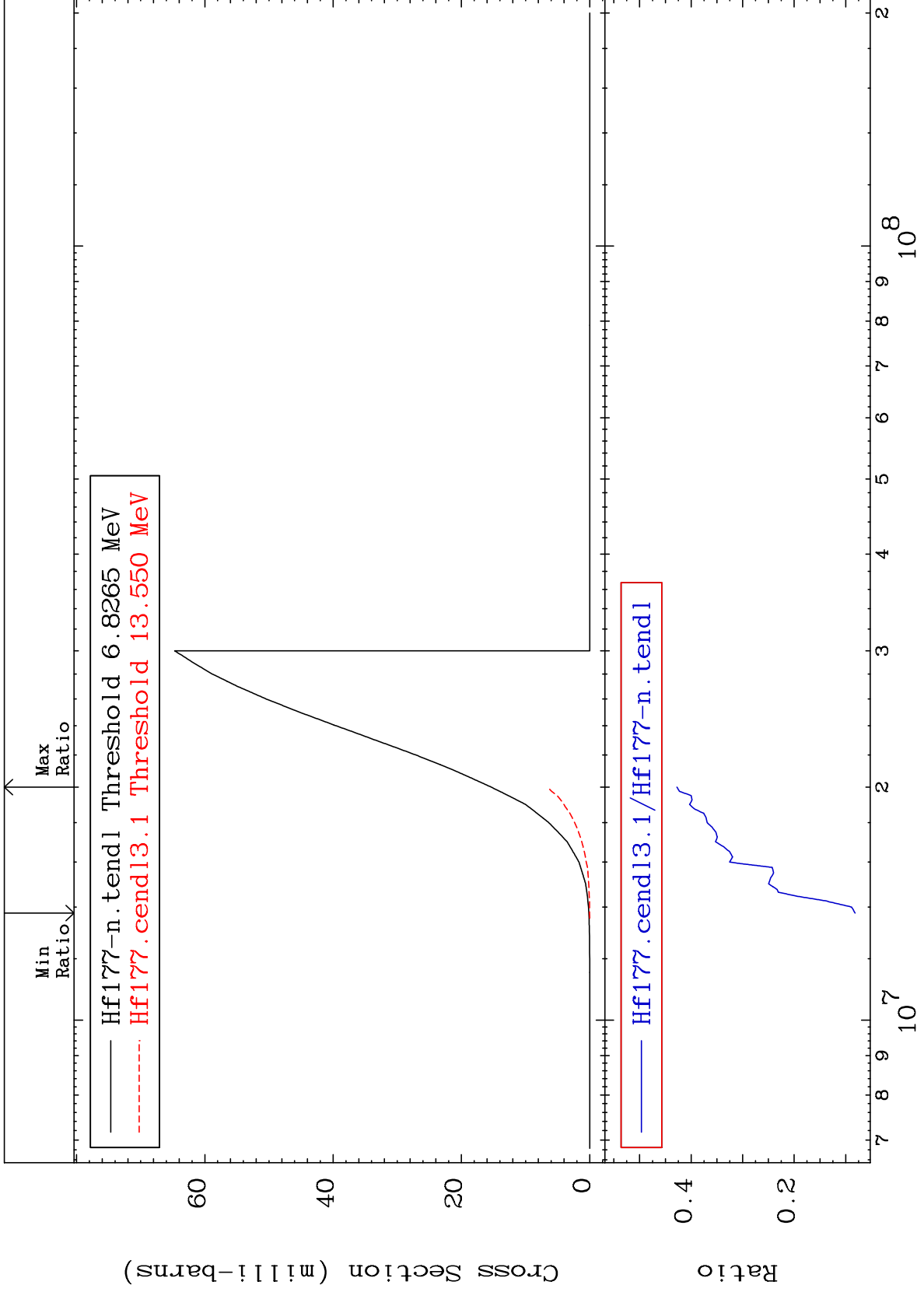
$^{72}\text{Hf}-177$
-65.33 To -20.31%



MAT 7234

(n,n') p
Cross Section

⁷²Hf-177
-91.83 To -57.24%



7

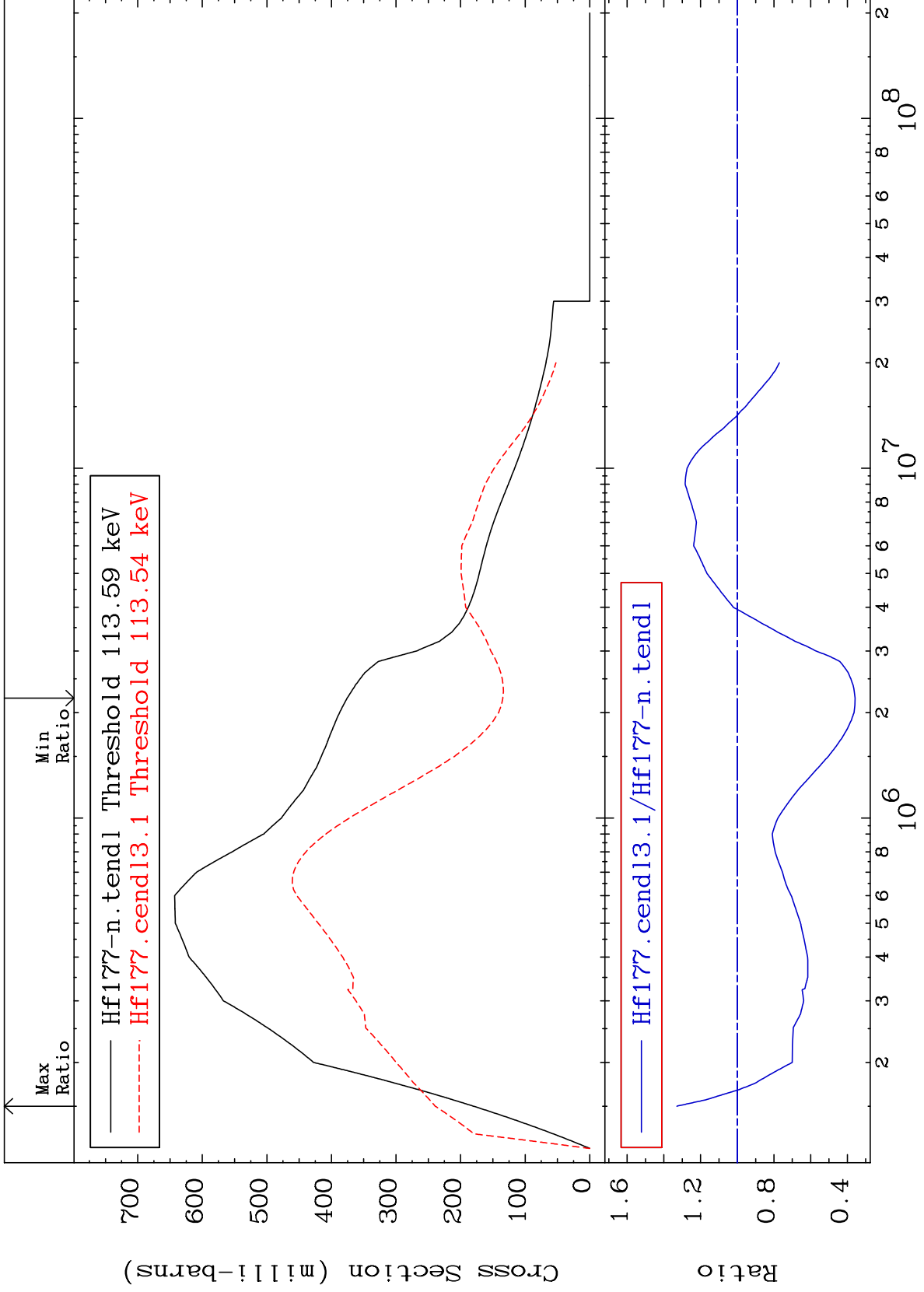
Incident Energy (eV)

⁷²Hf-177

MAT 7234

113.0 keV (n,n') Level
Cross Section

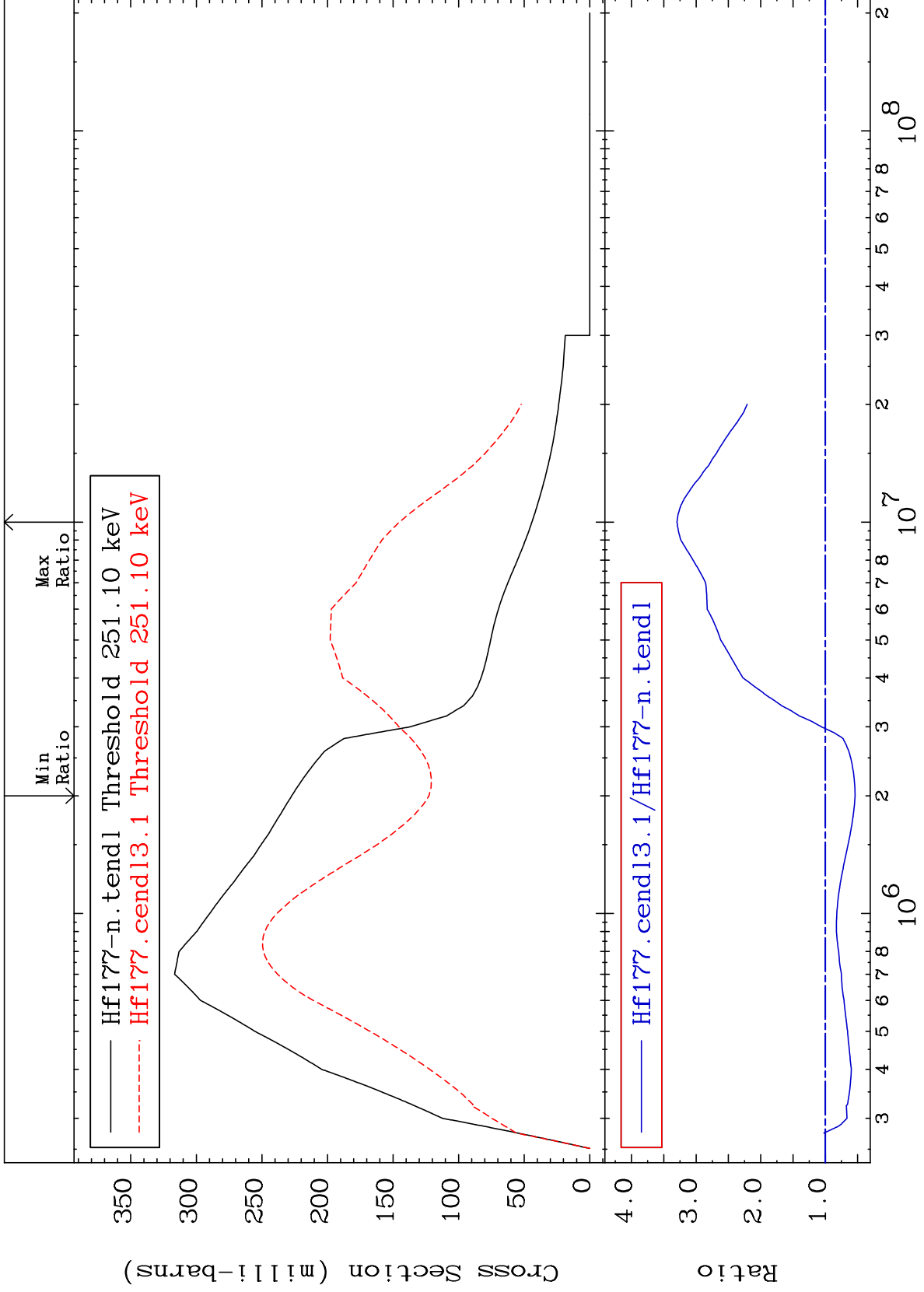
⁷²Hf-177
-64.19 To 32.87 %



MAT 7234

249.7 keV (n,n') Level
Cross Section

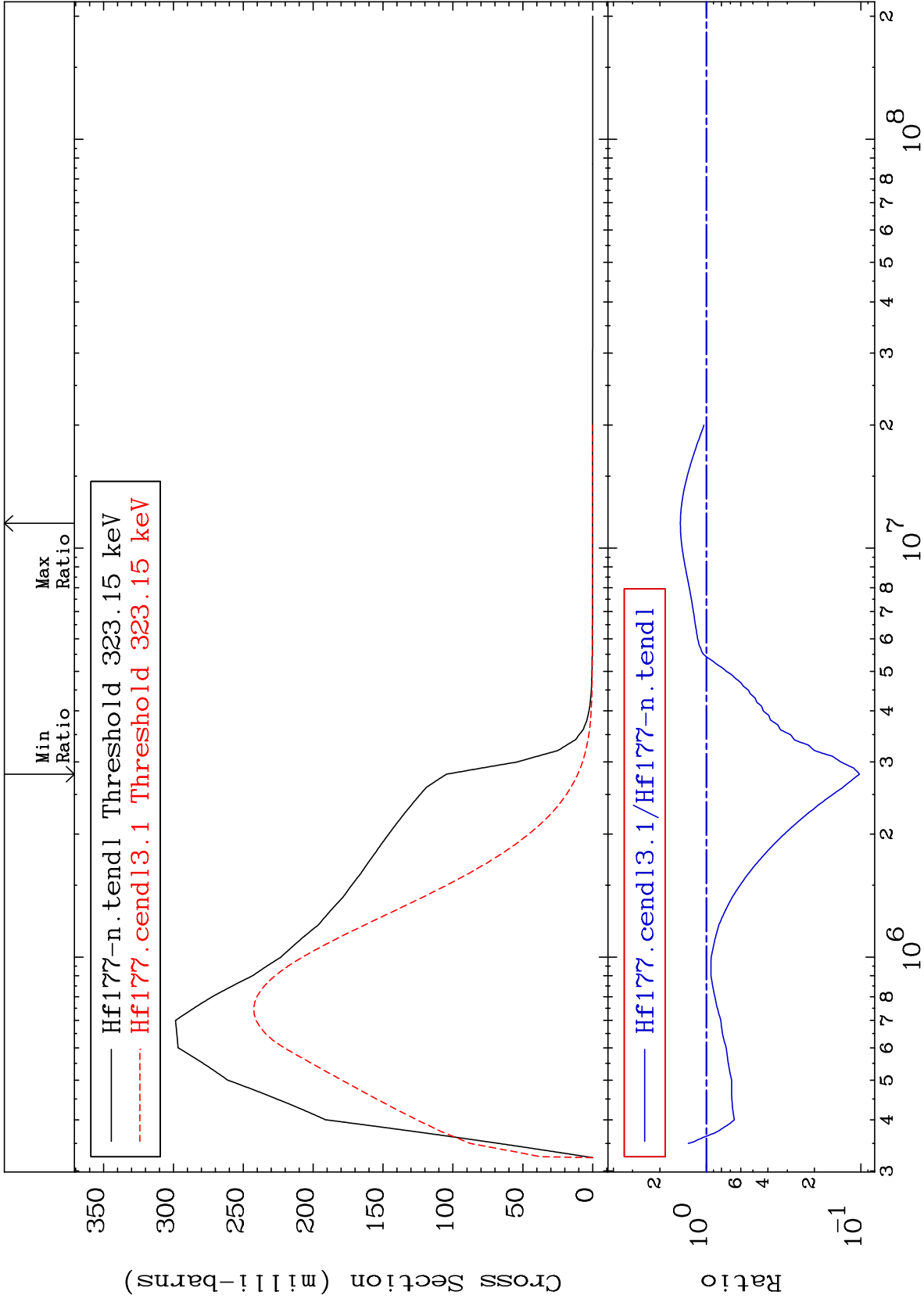
72-Hf-177
-46.08 To 229.7 %



MAT 7234

321.3 keV (n,n') Level
Cross Section

72-Hf-177
-89.77 To 47.42 %



10

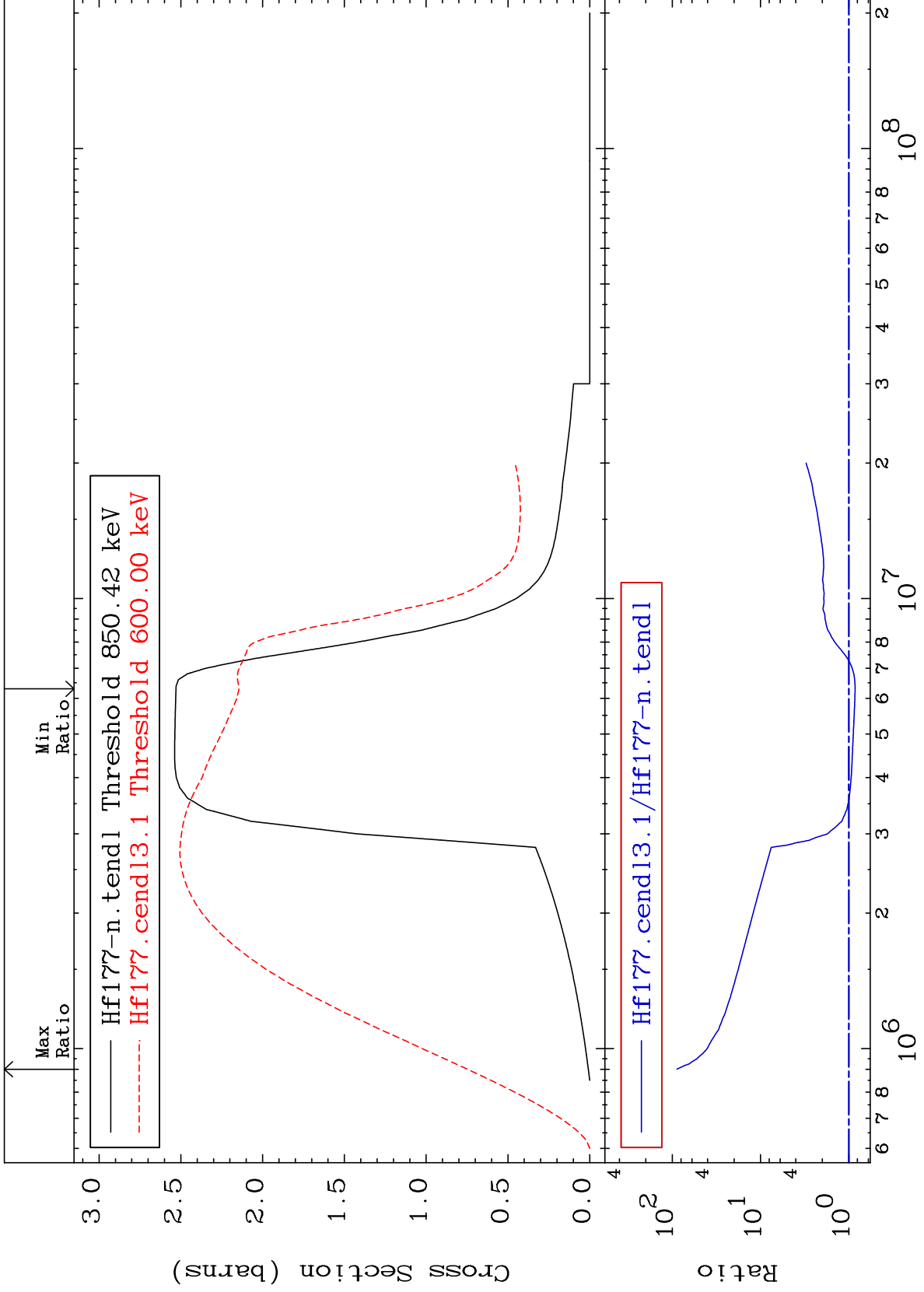
Incident Energy (eV)

72-Hf-177

MAT 7234

(n, n') Continuum
Cross Section

72-Hf-177
-15.22 To 8787. %



11

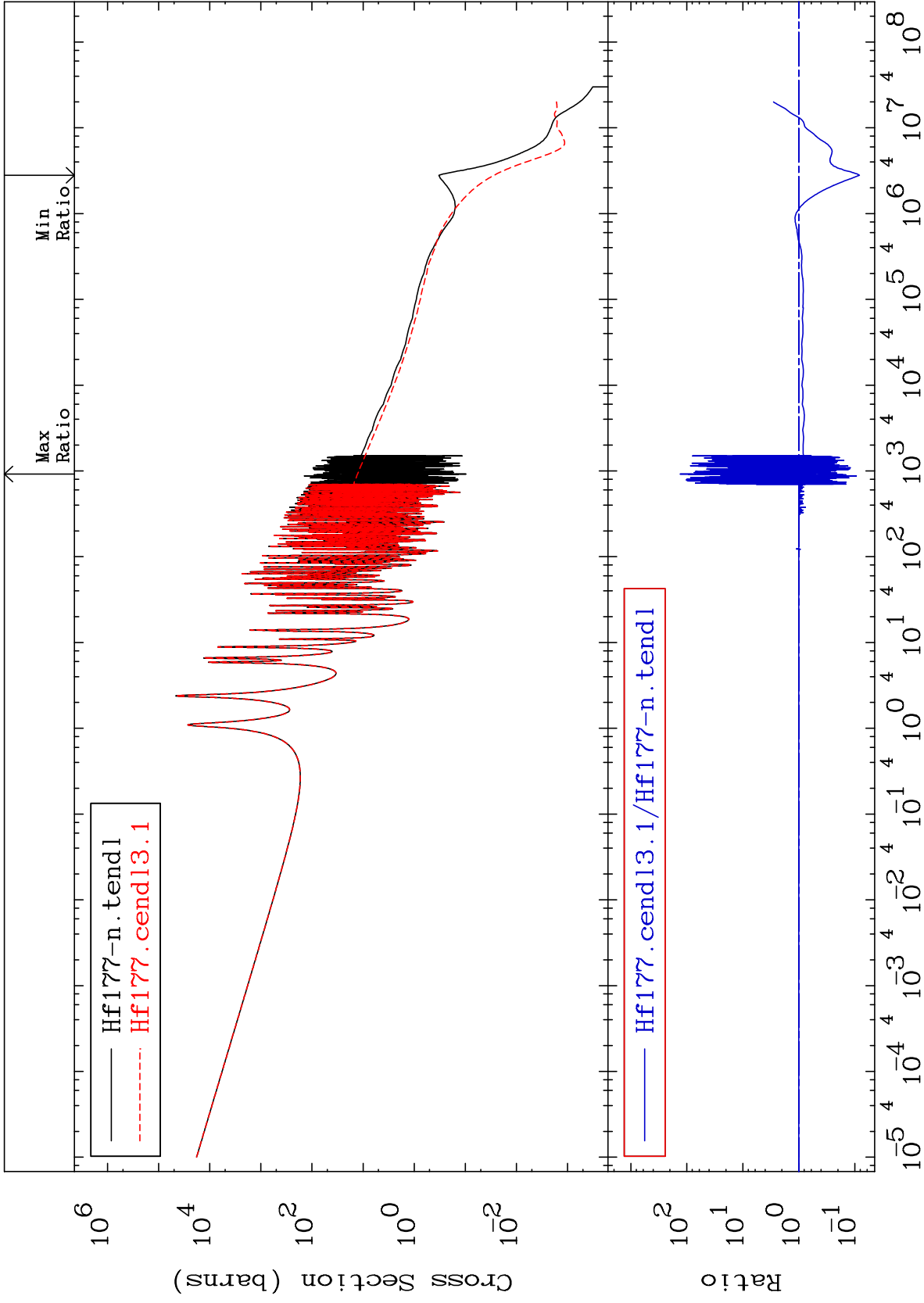
Incident Energy (eV)

72-Hf-177

MAT 7234

(n, γ)
Cross Section

72-Hf-177
-91.73 To 9999. %



12

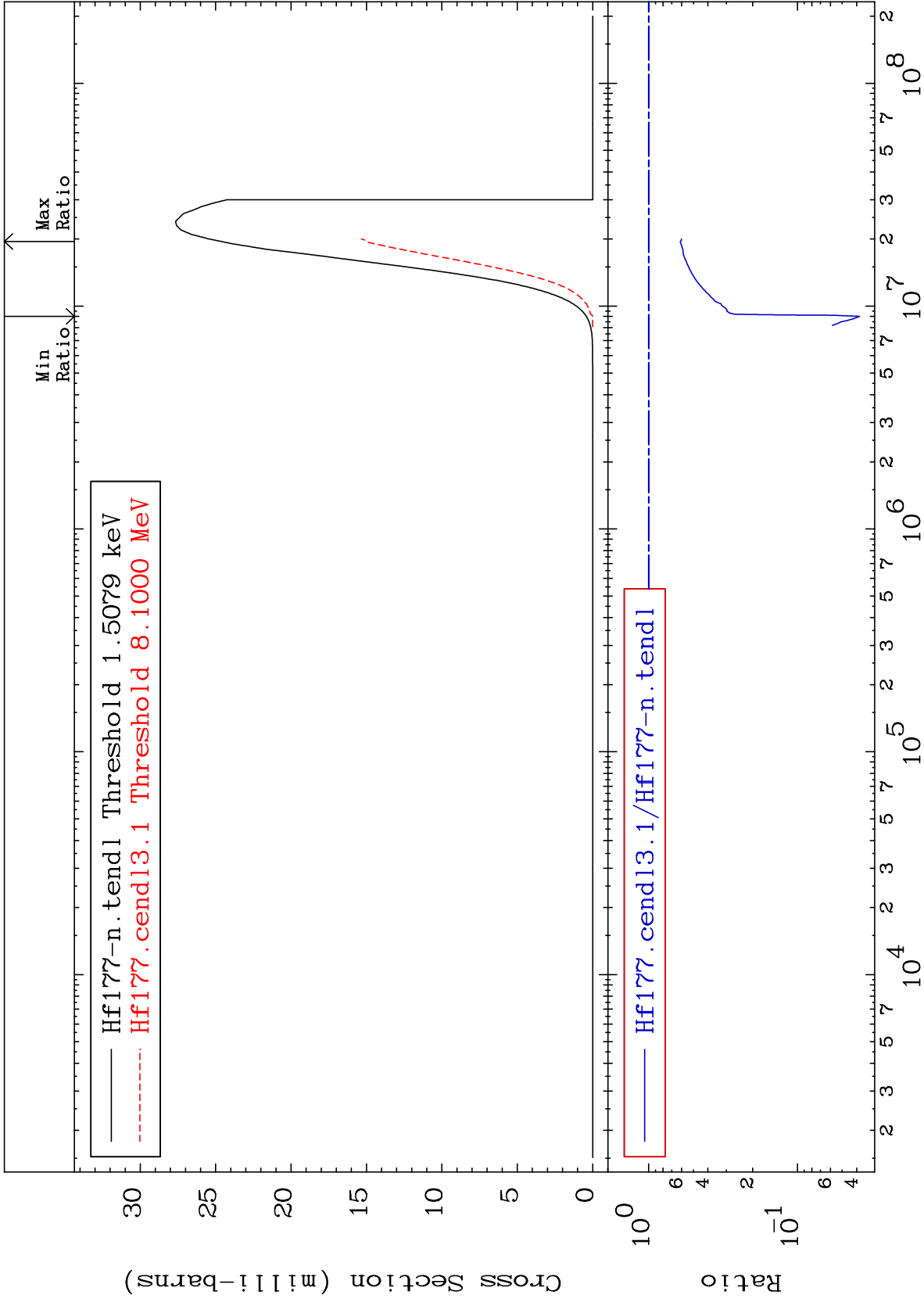
Incident Energy (eV)

72-Hf-177

MAT 7234

(n,p)
Cross Section

⁷²Hf-177
-96.17 To -38.80%



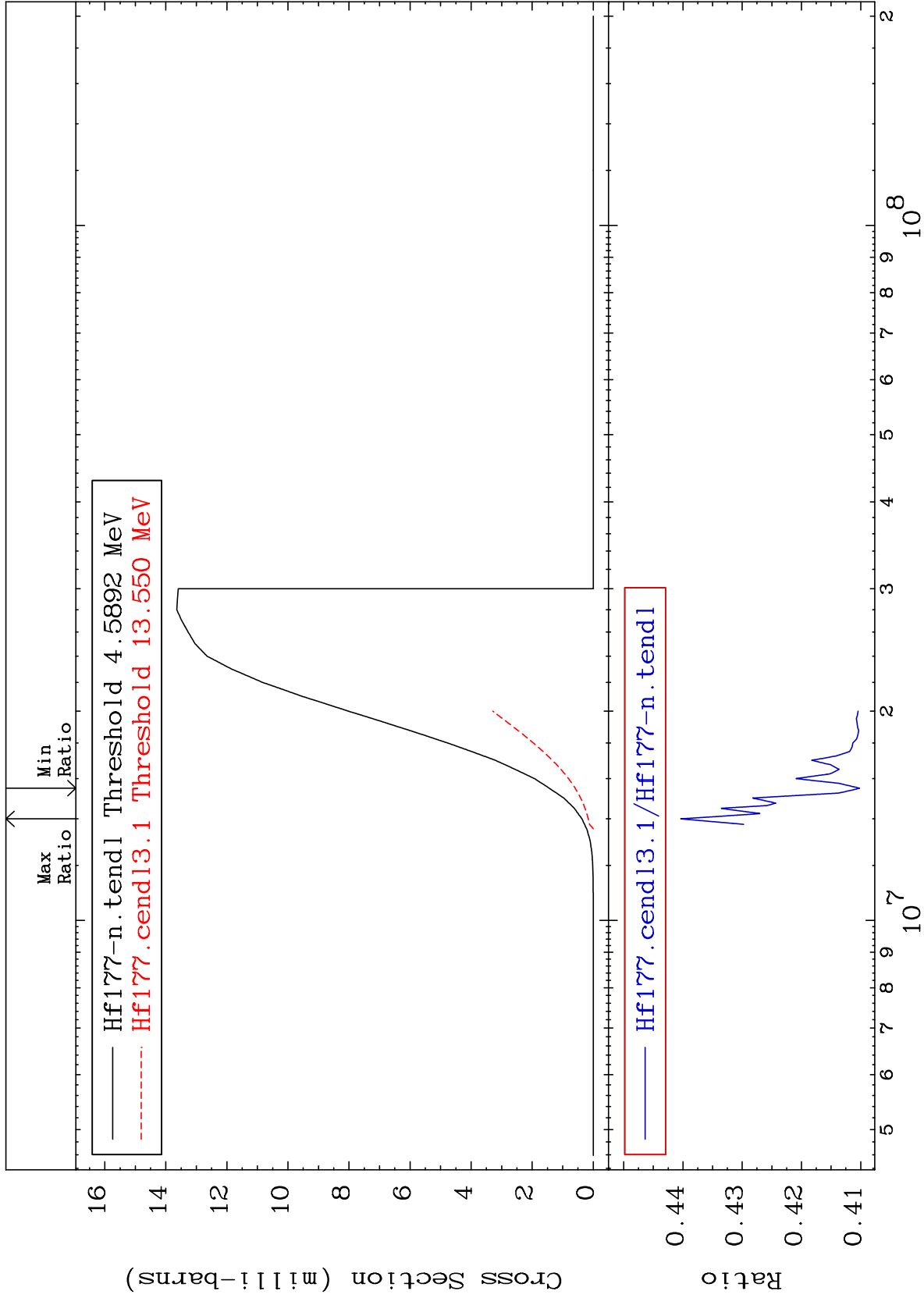
MAT 7234

(n, d)

72-Hf-177

Cross Section

-58.98 To -55.96%



14

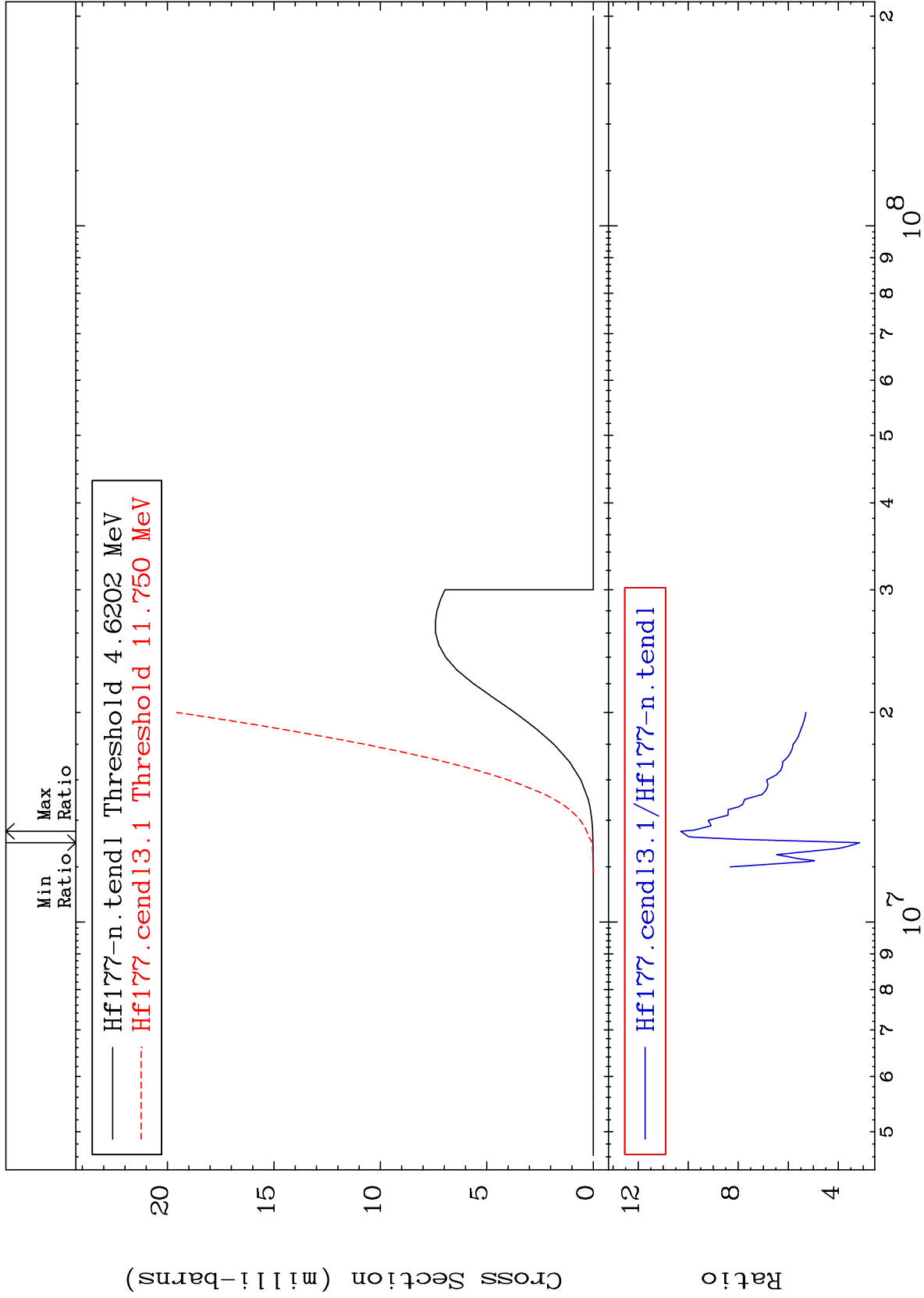
Incident Energy (eV)

72-Hf-177

MAT 7234

(n, t)
Cross Section

72-Hf-177
215.2 To 929.7 %



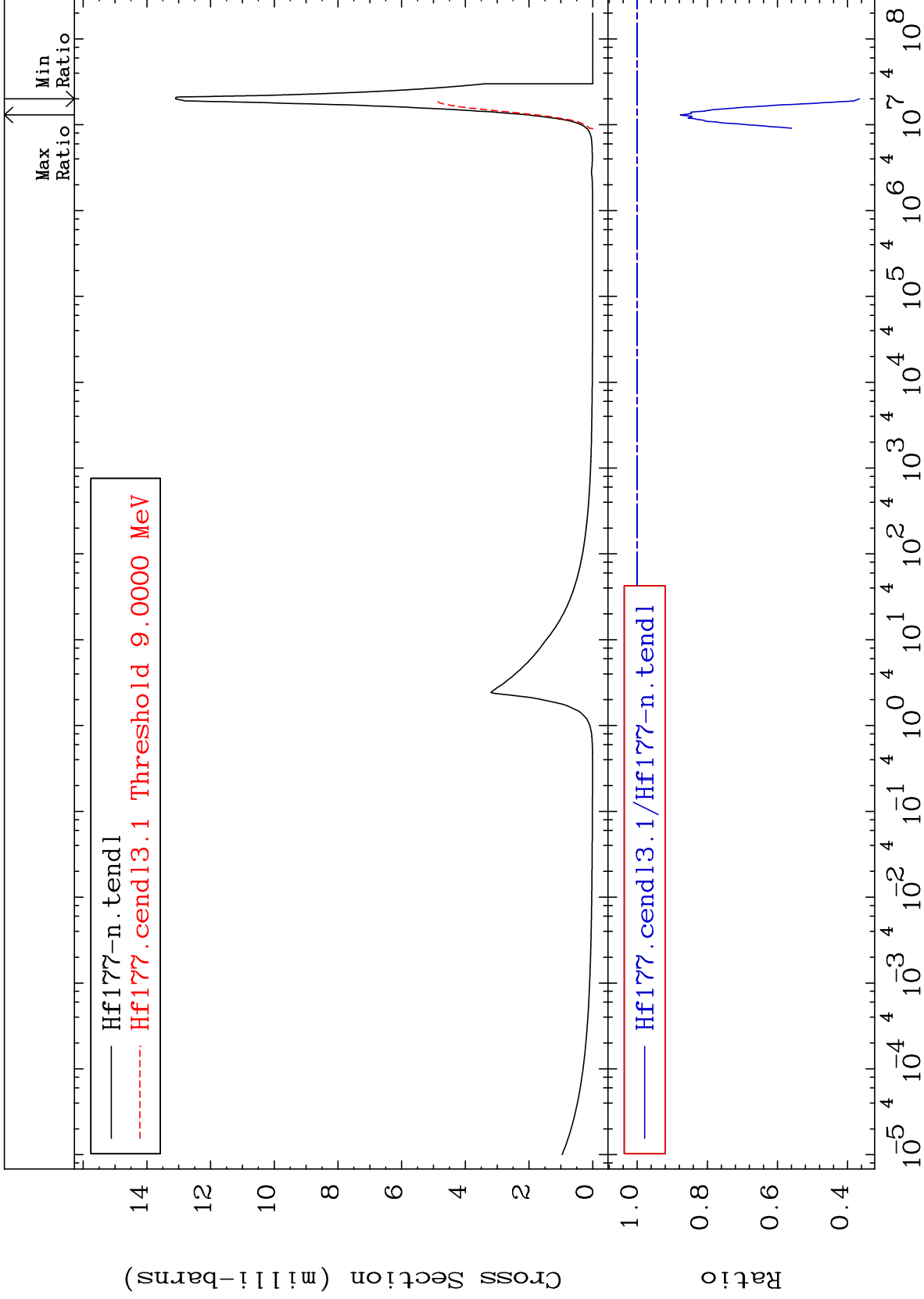
15

72-Hf-177

MAT 7234

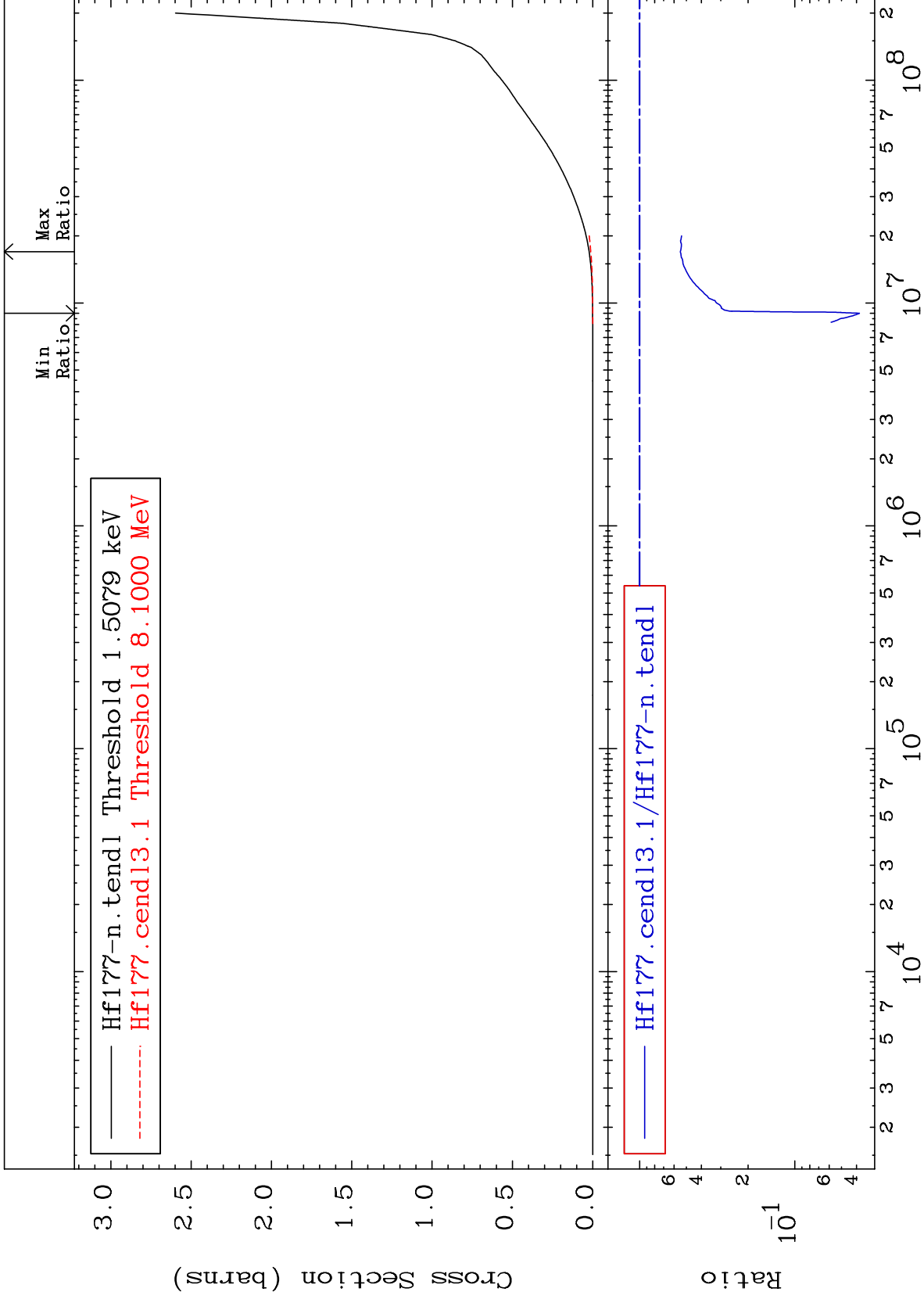
(n, α)
Cross Section

72-Hf-177
-63.38 To -12.31%



72-Hf-177

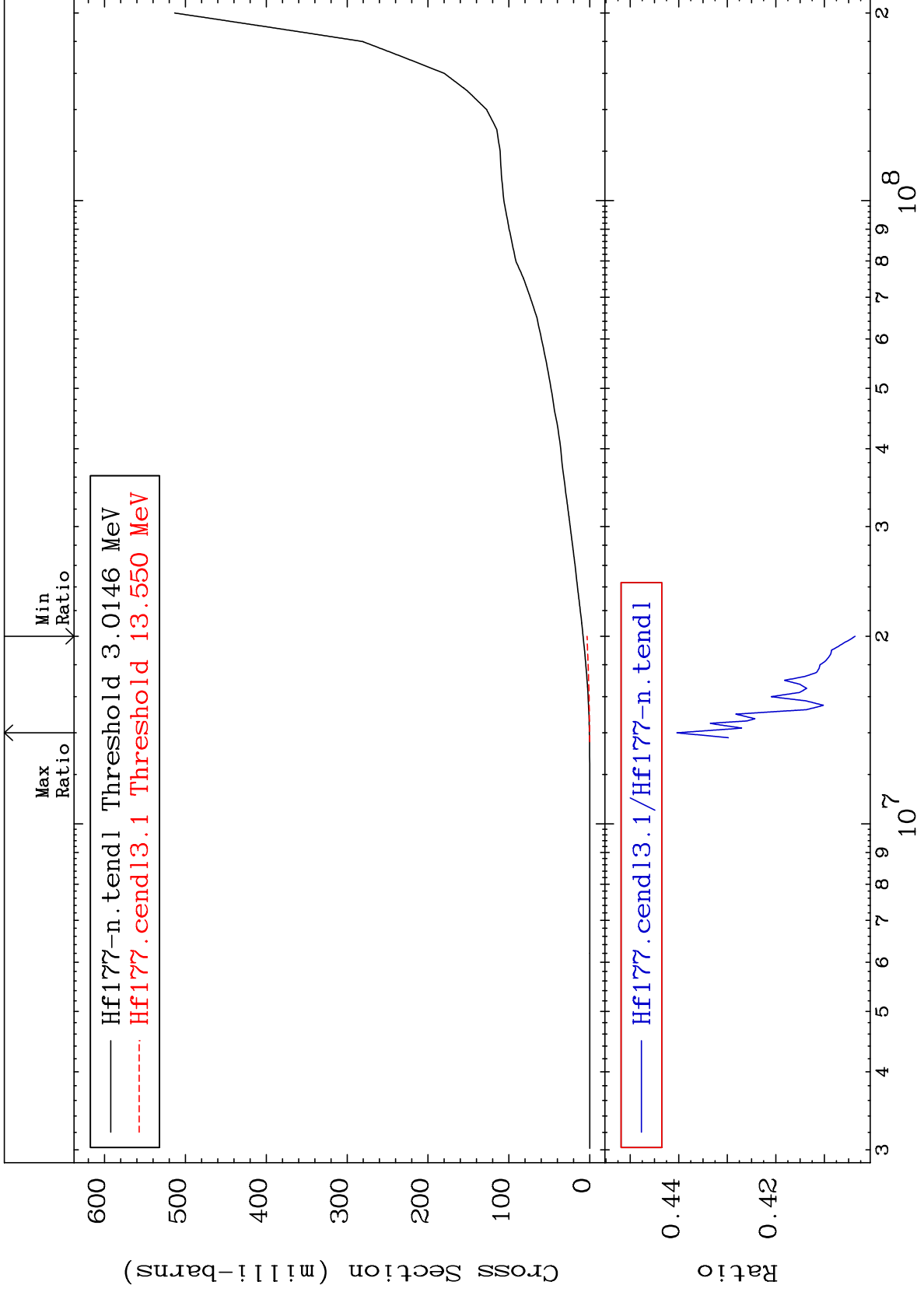
16



MAT 7234

Deuterium Production
Cross Section

$^{72}\text{Hf-177}$
-59.63 To -55.96%



18

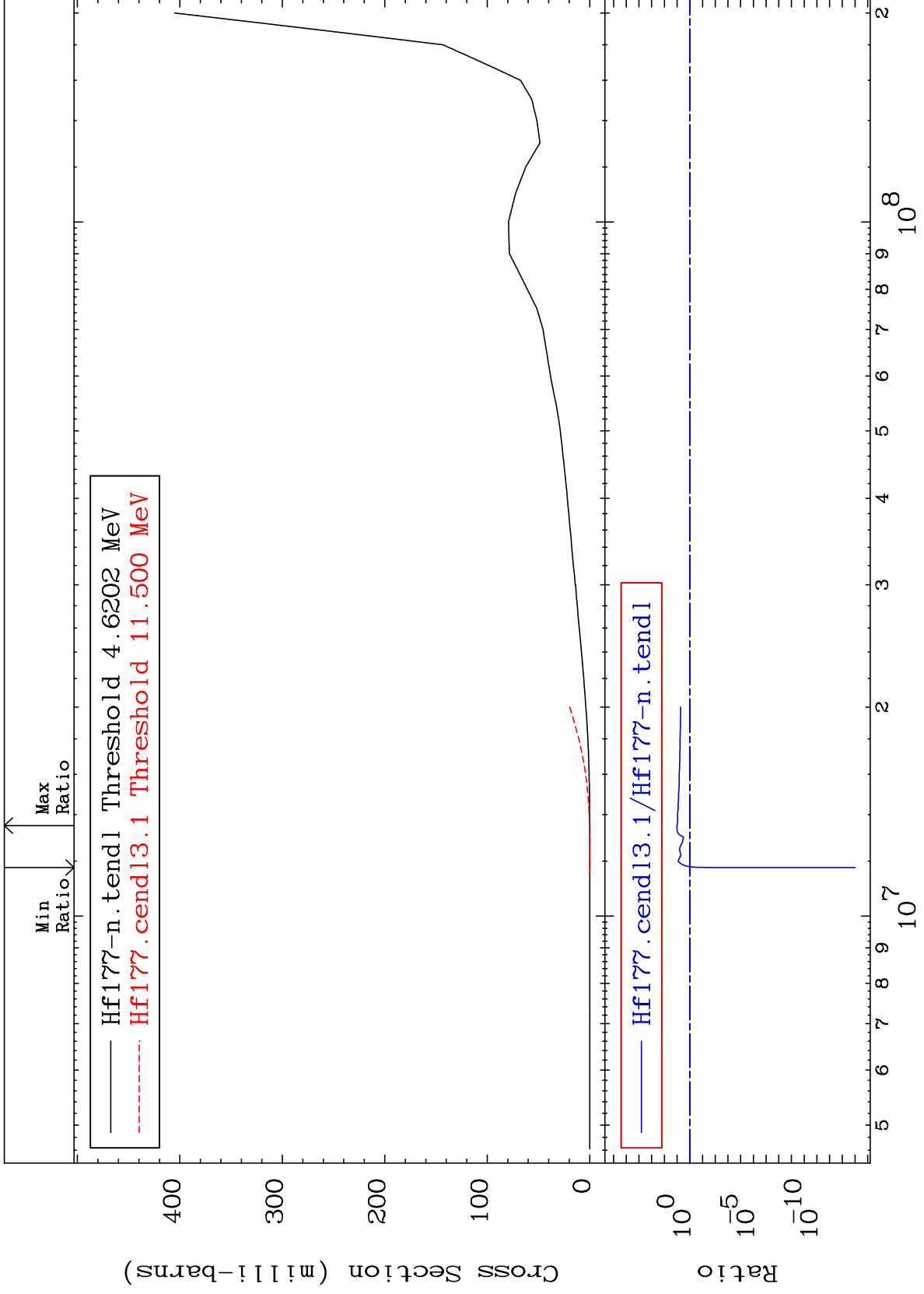
Incident Energy (eV)

$^{72}\text{Hf-177}$

MAT 7234

Tritium Production
Cross Section

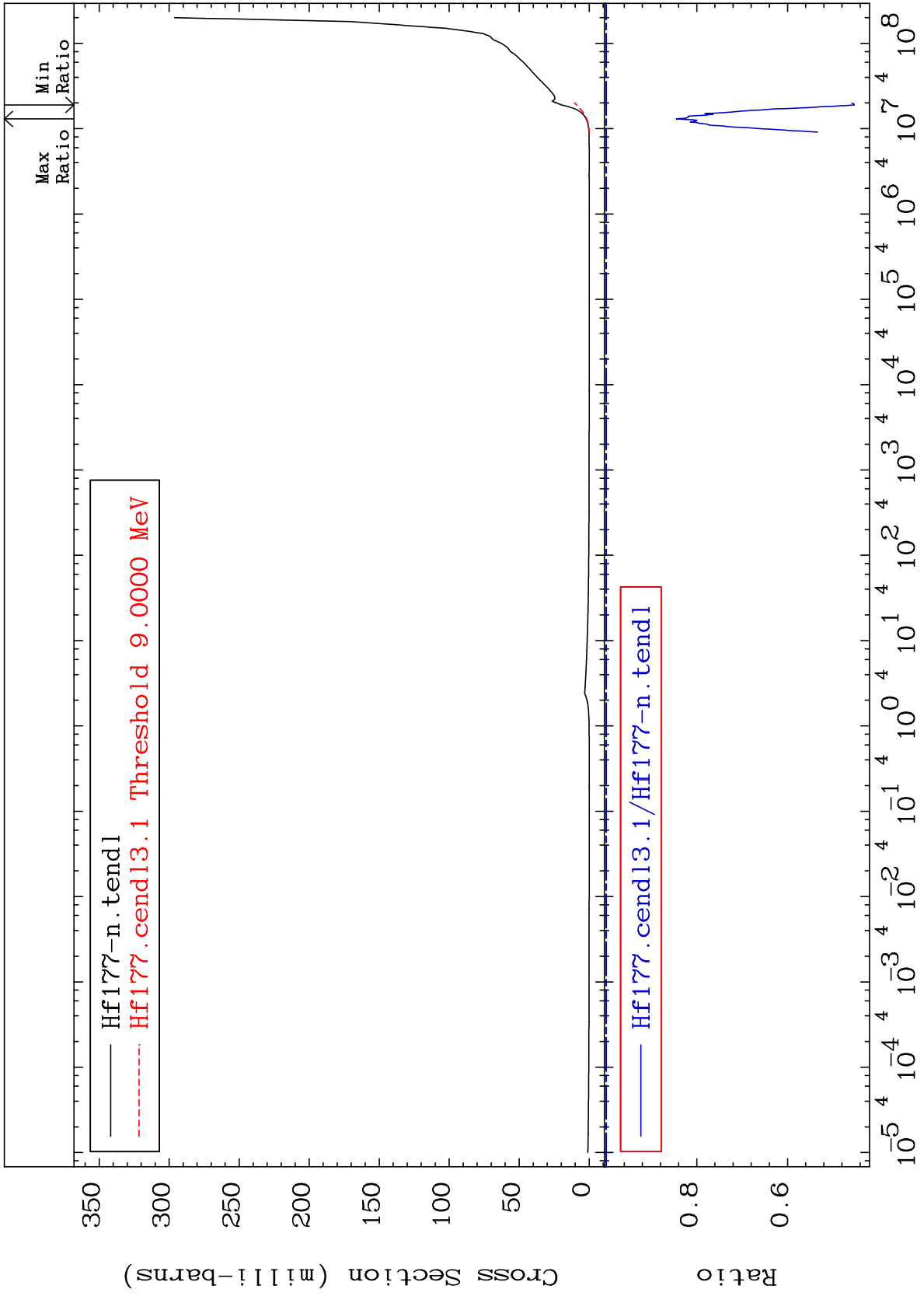
⁷²Hf-177
-100.0 To 929.7 %



MAT 7234

He-4 Production
Cross Section

72-Hf-177
-54.74 To -15.49%



20

Incident Energy (eV)

72-Hf-177

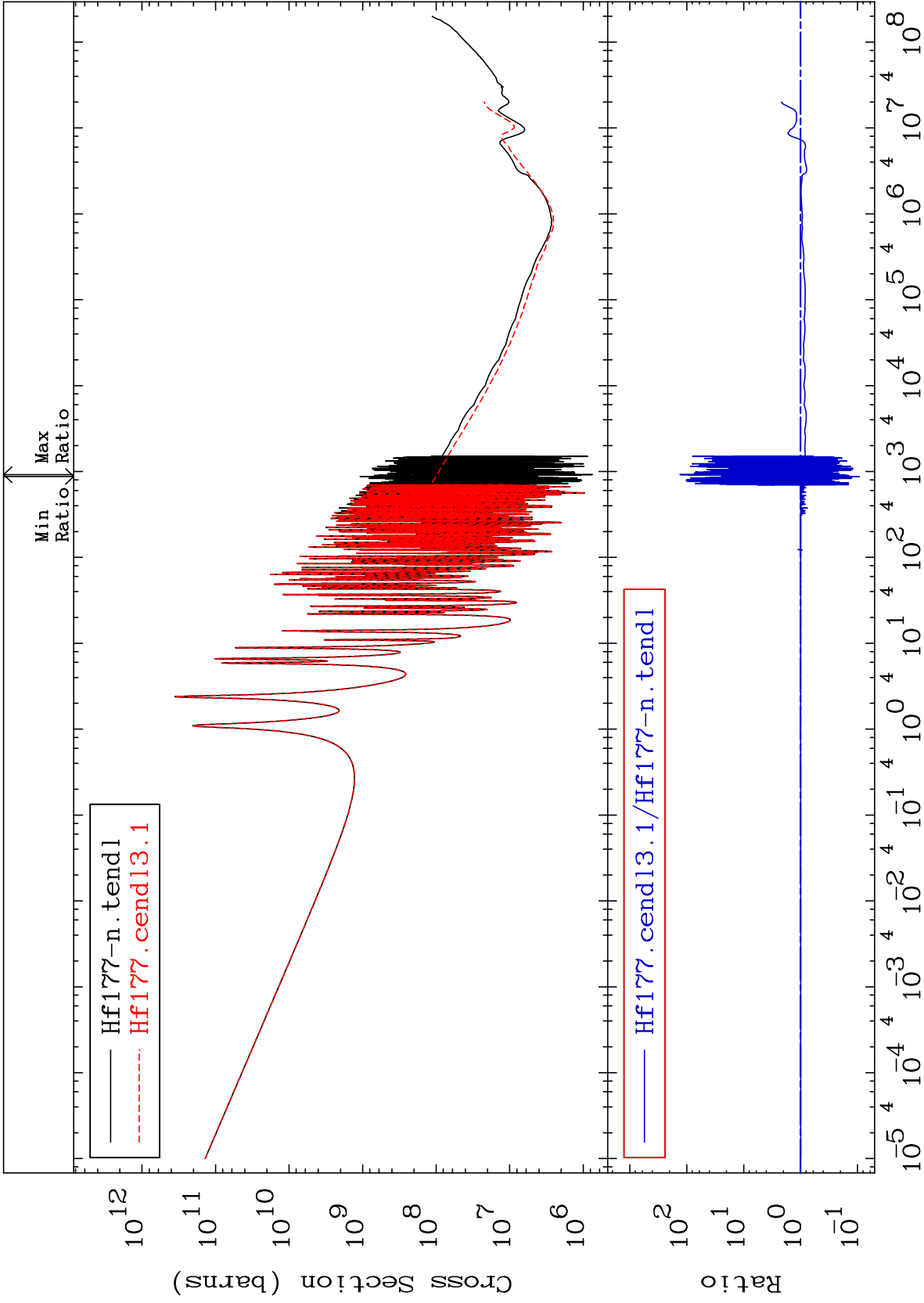
MAT 7234

Kerma total (eV-barns)

72-Hf-177

Cross Section

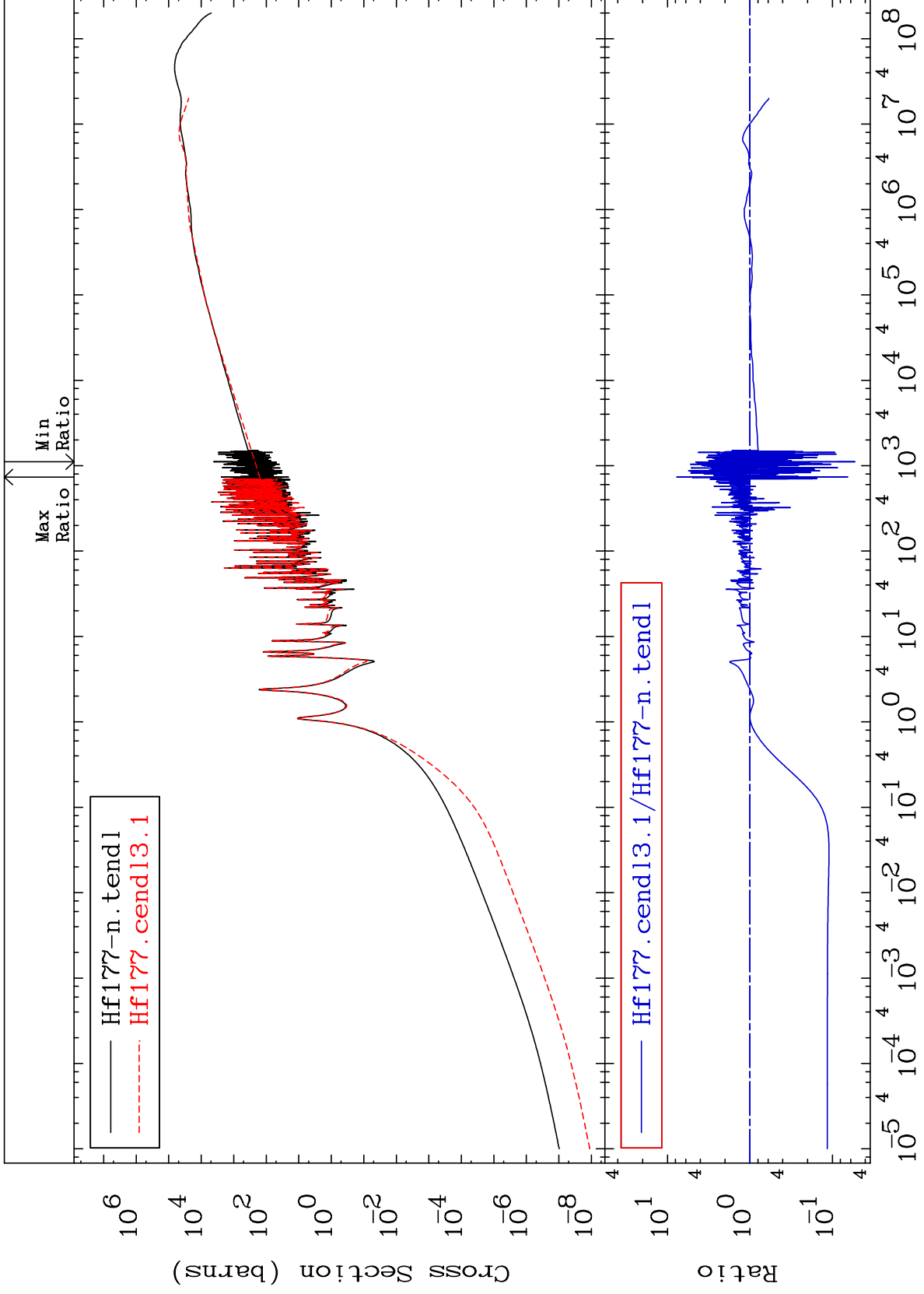
-90.70 To 9999. %



MAT 7234

Kerma elastic
Cross Section

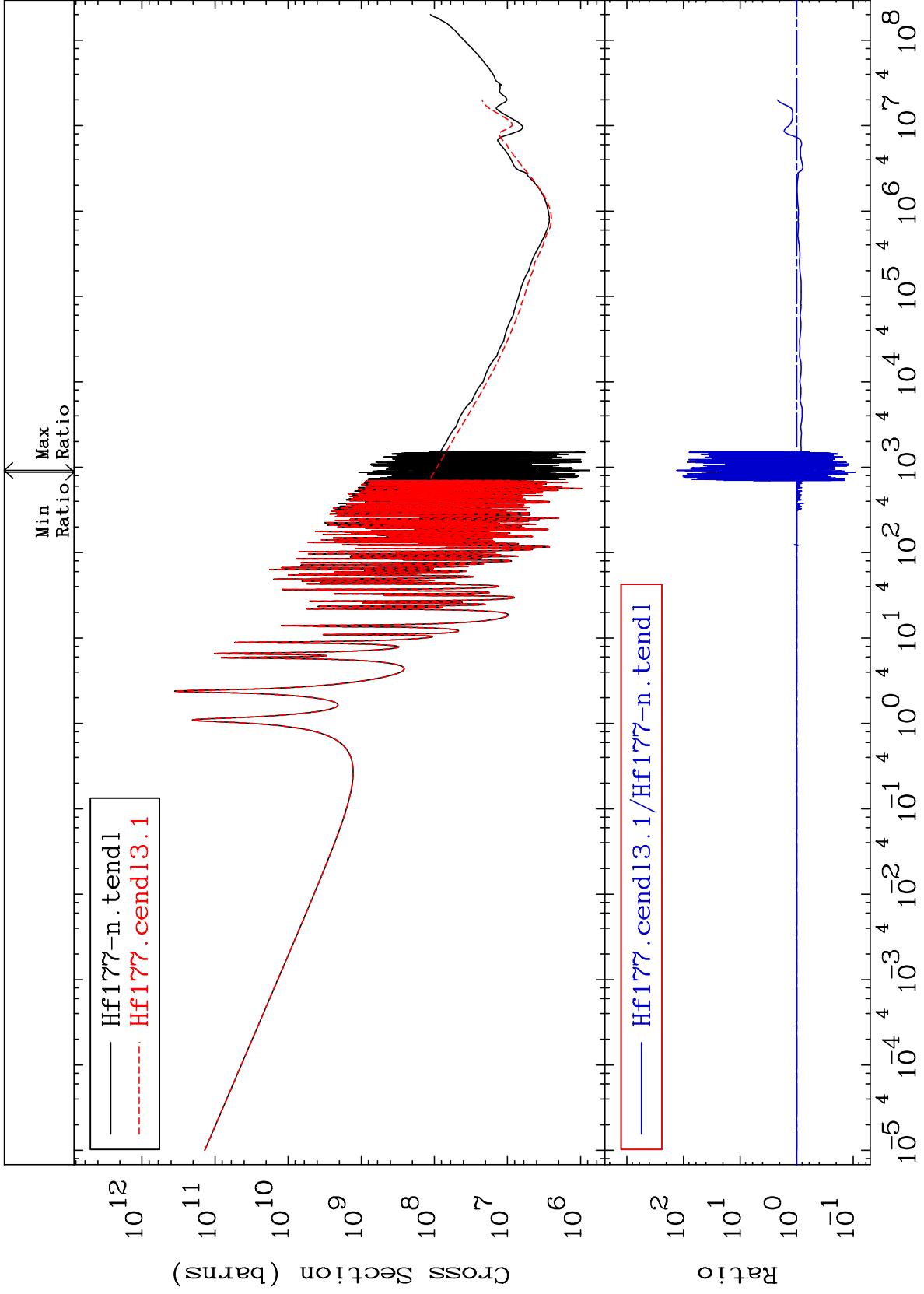
72-Hf-177
-94.70 To 668.3 %



MAT 7234

Kerma non-elastic (all but mt2)
Cross Section

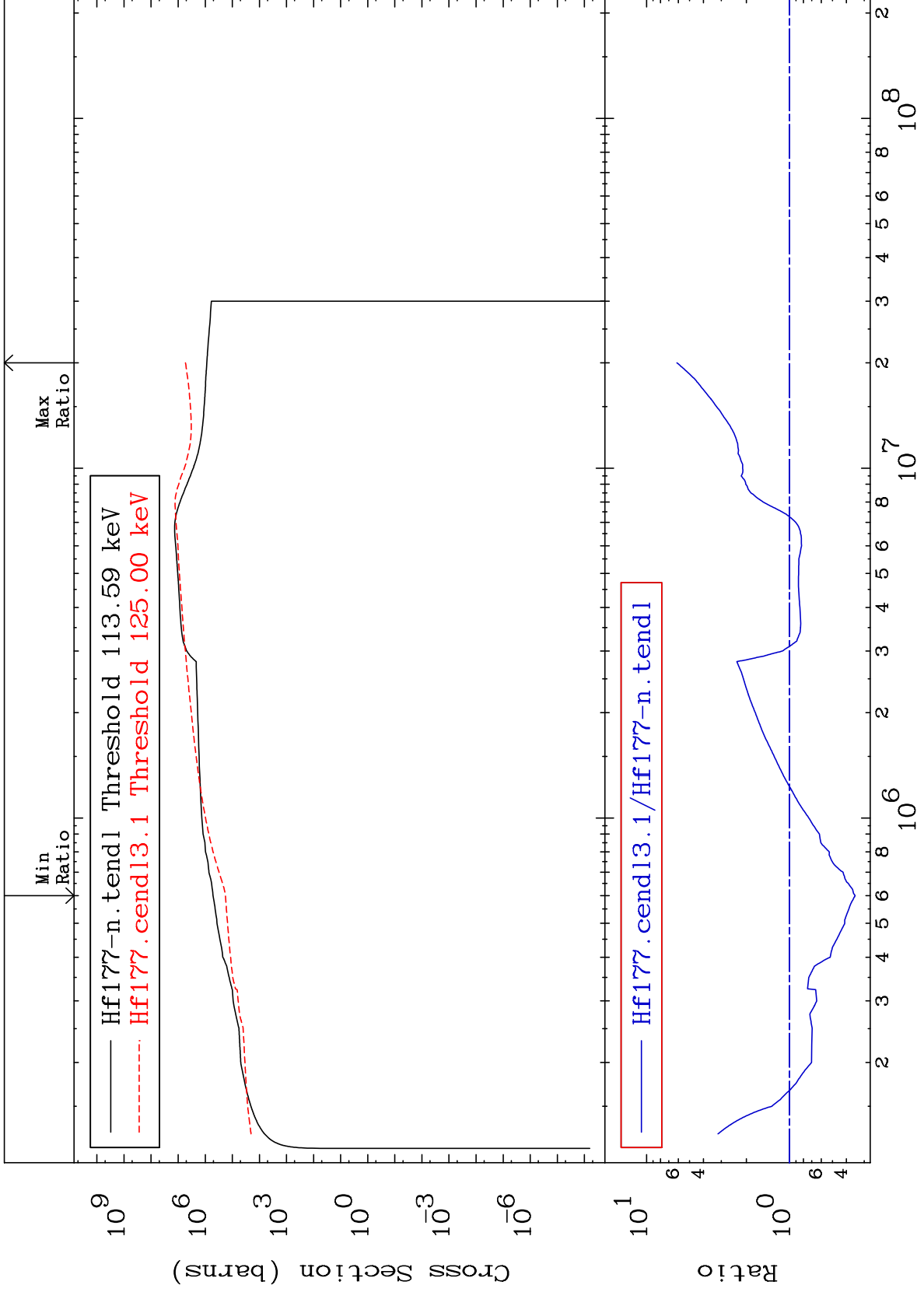
72-Hf-177
-90.70 To 9999. %



MAT 7234

Kerma inelastic (mt51-91)
Cross Section

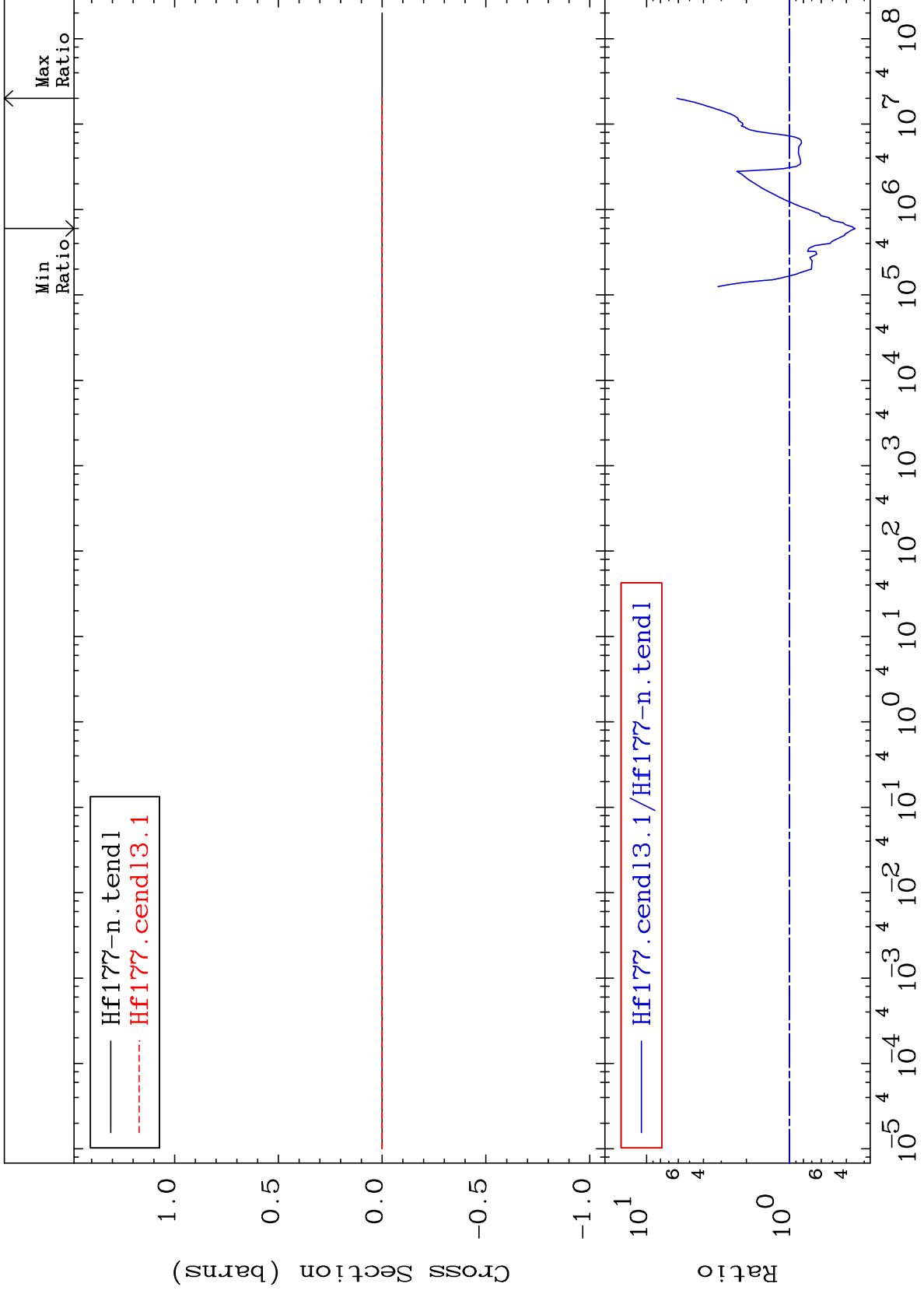
72-Hf-177
-65.24 To 513.2 %



MAT 7234

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

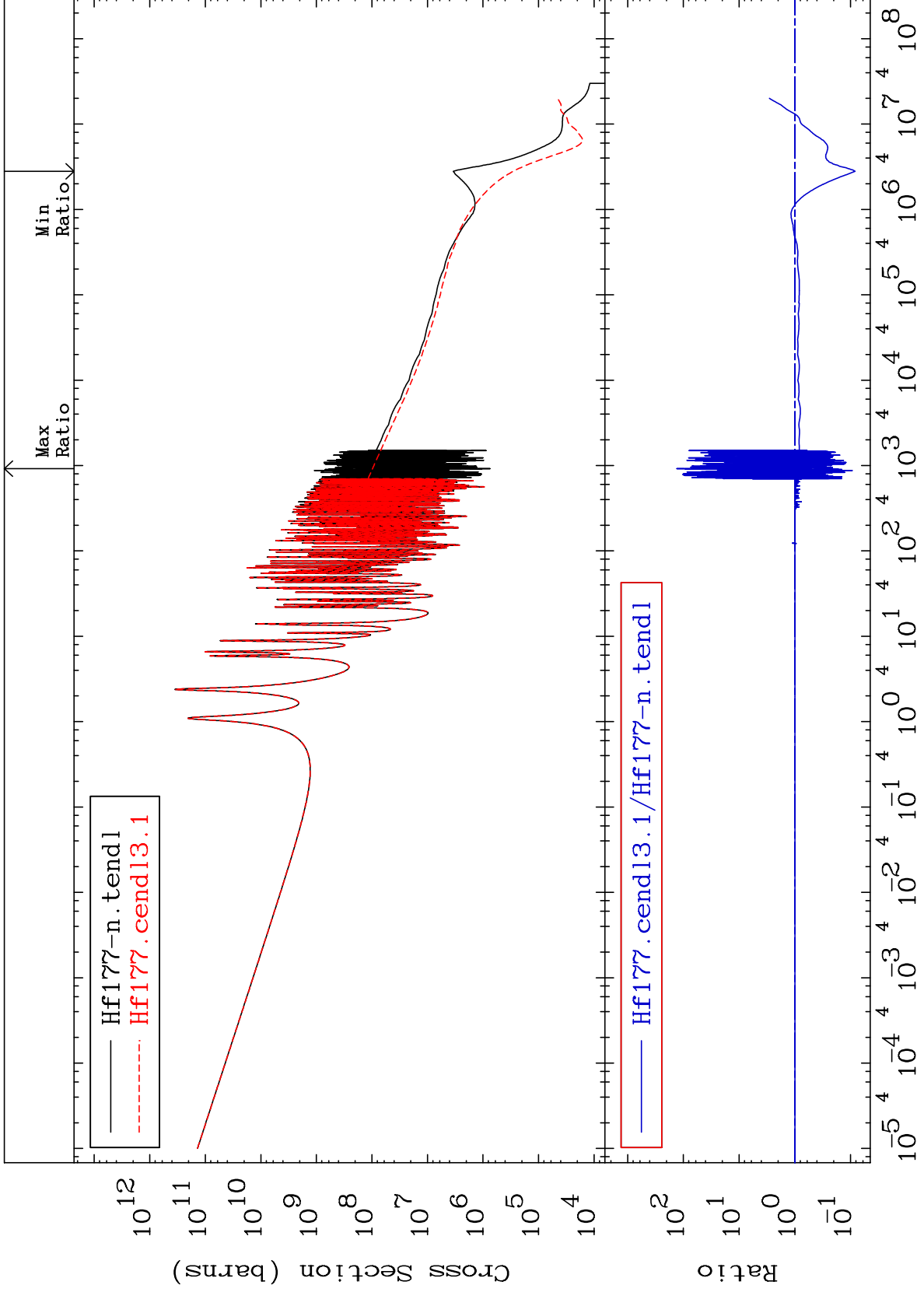
72-Hf-177
-65.24 To 513.2 %



MAT 7234

Kerma capture (mt102)
Cross Section

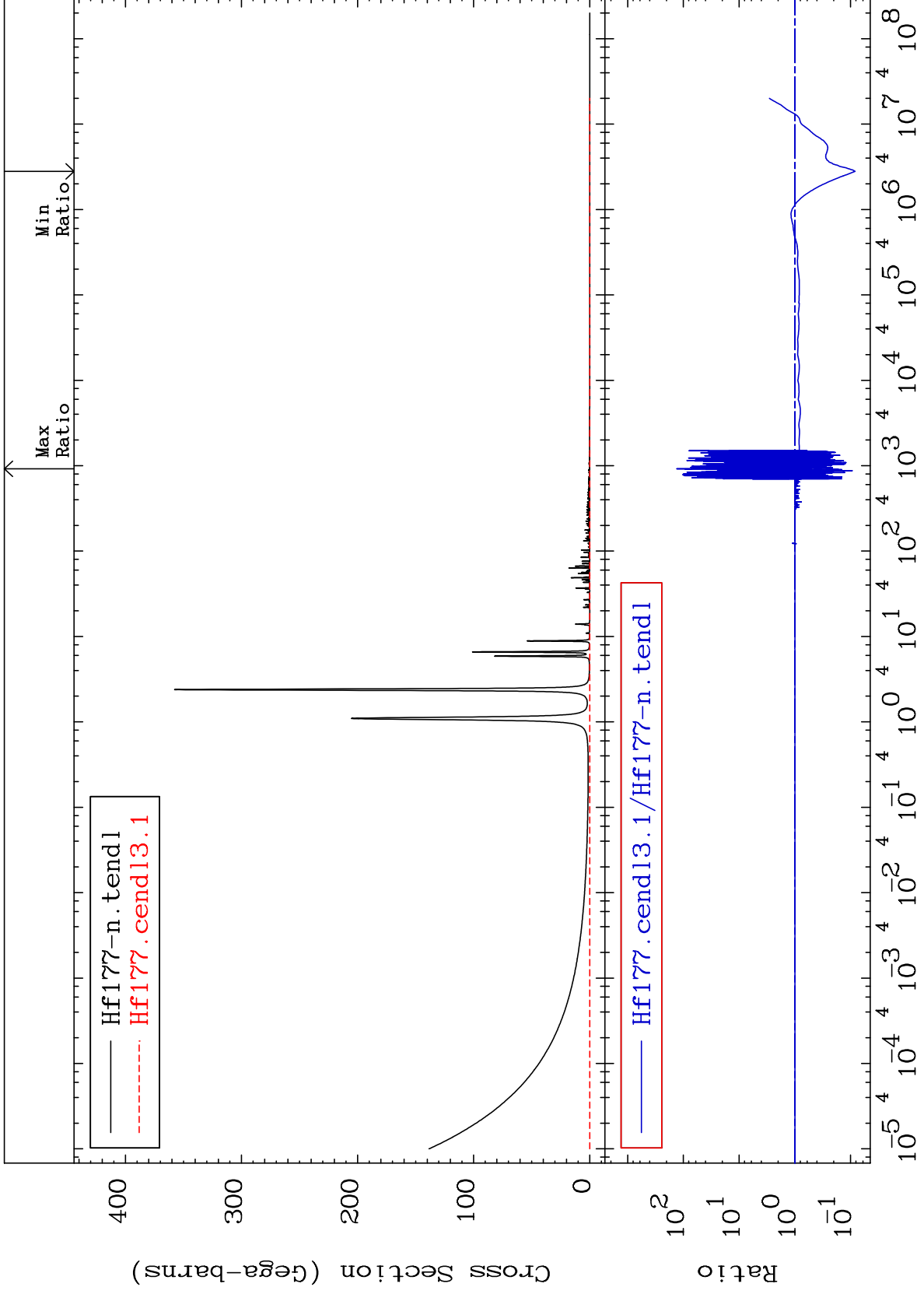
72-Hf-177
-91.70 To 9999. %



MAT 7234

Total photon (eV-barns)
Cross Section

72-Hf-177
-91.70 To 9999. %



27

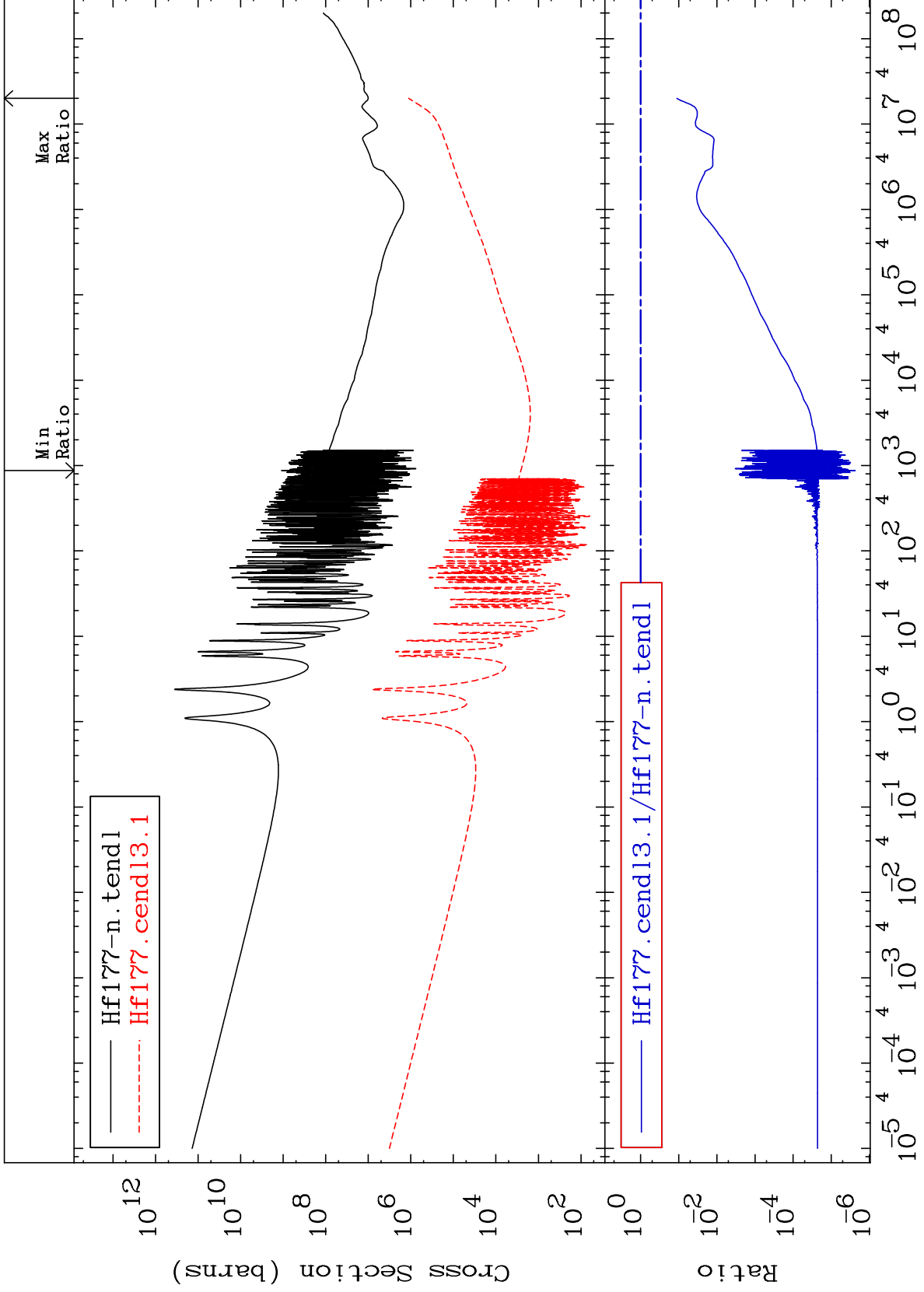
Incident Energy (eV)

72-Hf-177

MAT 7234

Total kinematic kerma (high limit)
Cross Section

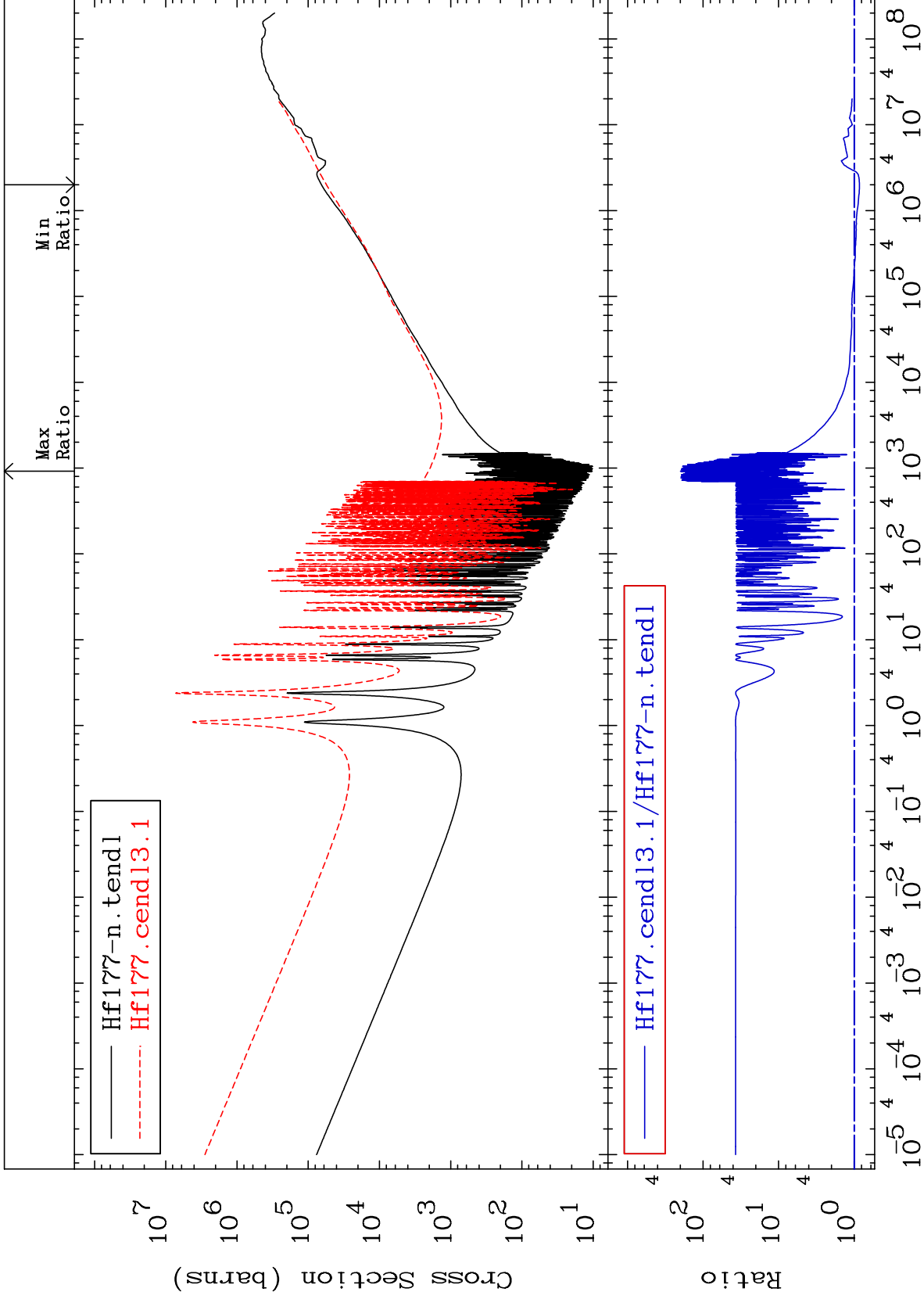
72-Hf-177
-100.0 To -88.81%



MAT 7234

Dpa total (eV-barns)
Cross Section

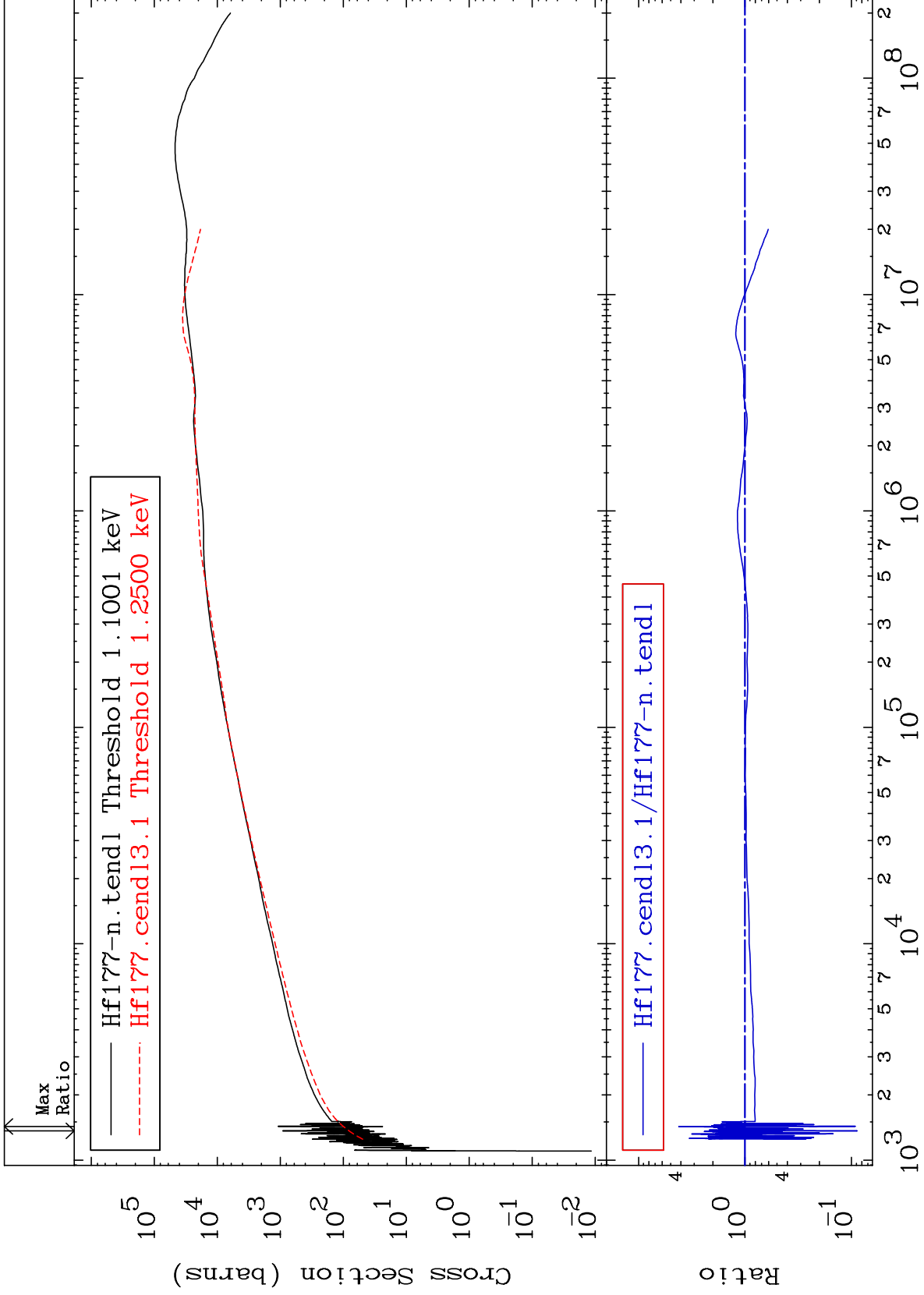
72-Hf-177
-14.89 To 9999. %



MAT 7234

Dpa elastic (mt2)
Cross Section

72-Hf-177
-91.18 To 320.6 %



30

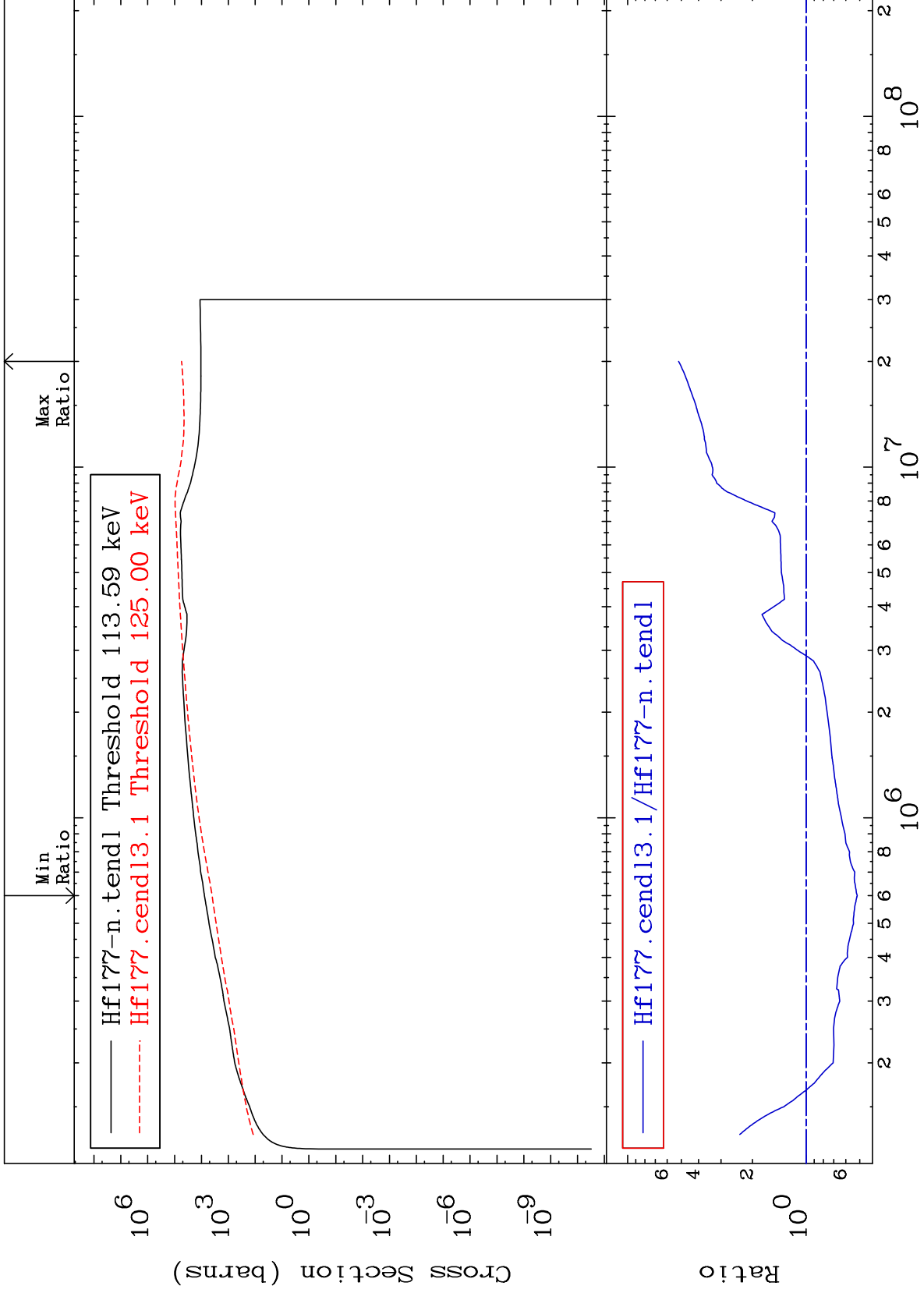
Incident Energy (eV)

72-Hf-177

MAT 7234

Dpa inelastic (mt51-91)
Cross Section

72-Hf-177
-48.30 To 417.7 %



MAT 7234

Dpa disappearance (mt102 -120)
Cross Section

72-Hf-177
-15.49 To 9999. %

