

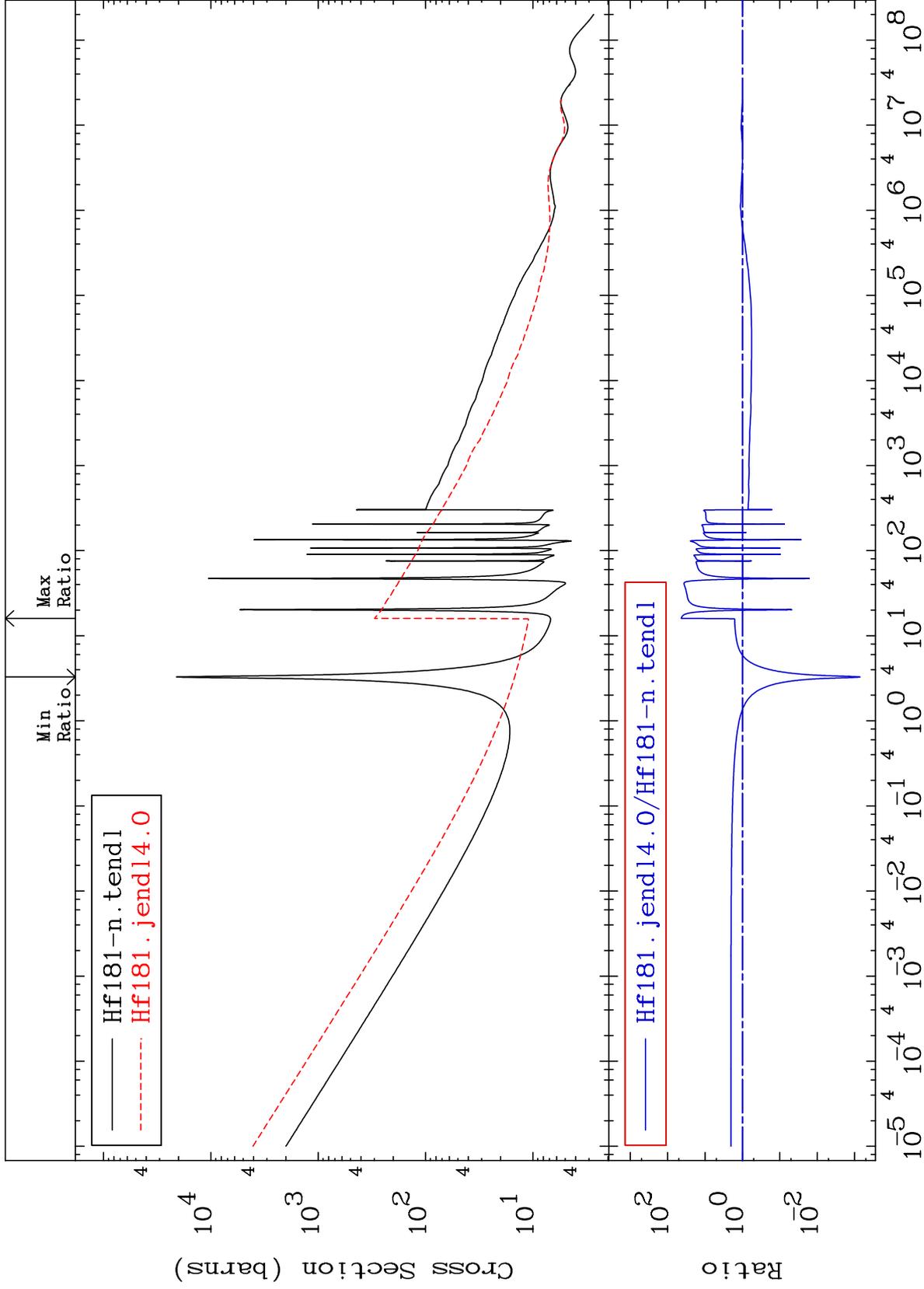
MAT 7246

Total

72-Hf-181

Cross Section

-99.93 To 4241. %

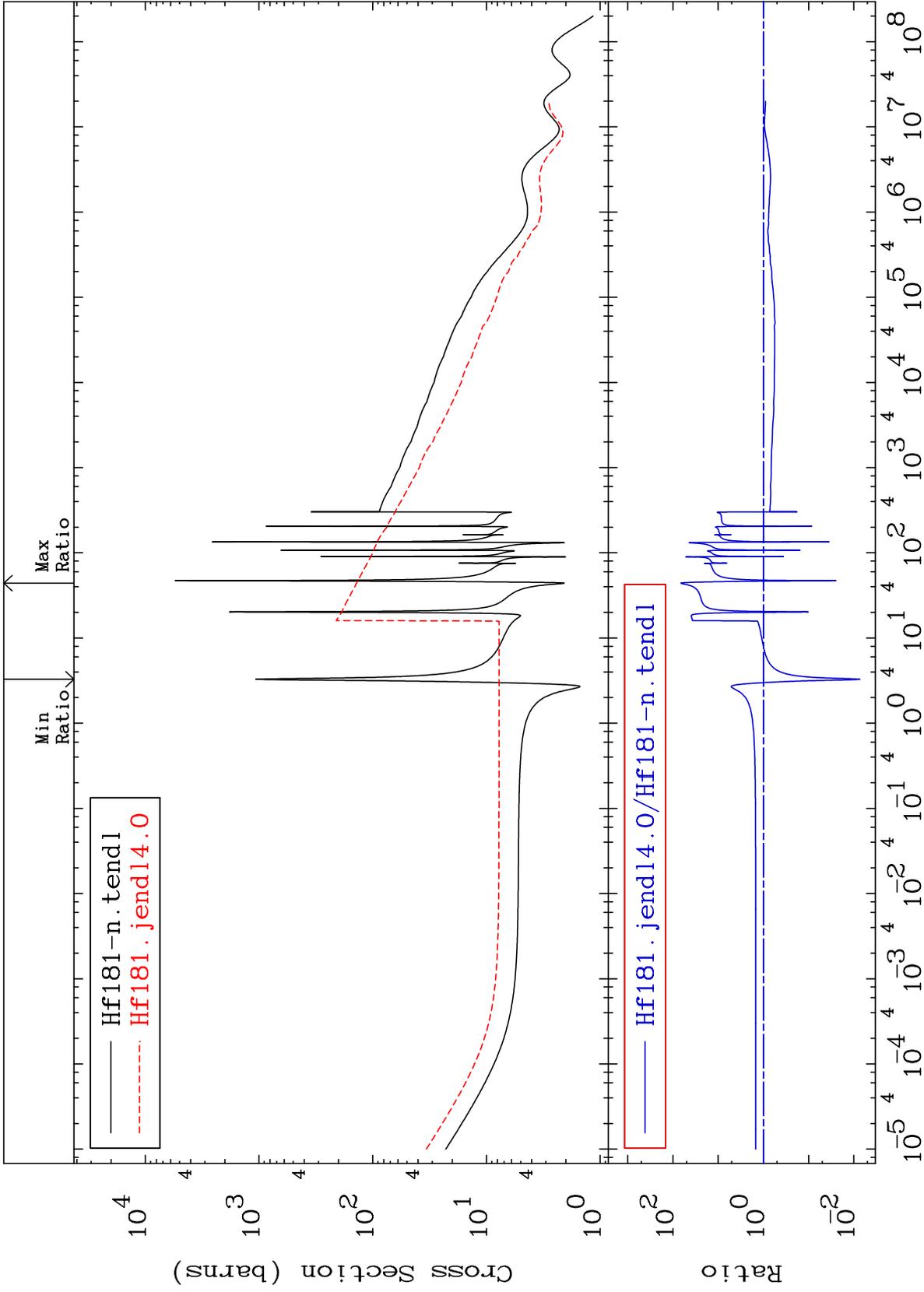


Incident Energy (eV)

72-Hf-181

MAT 7246

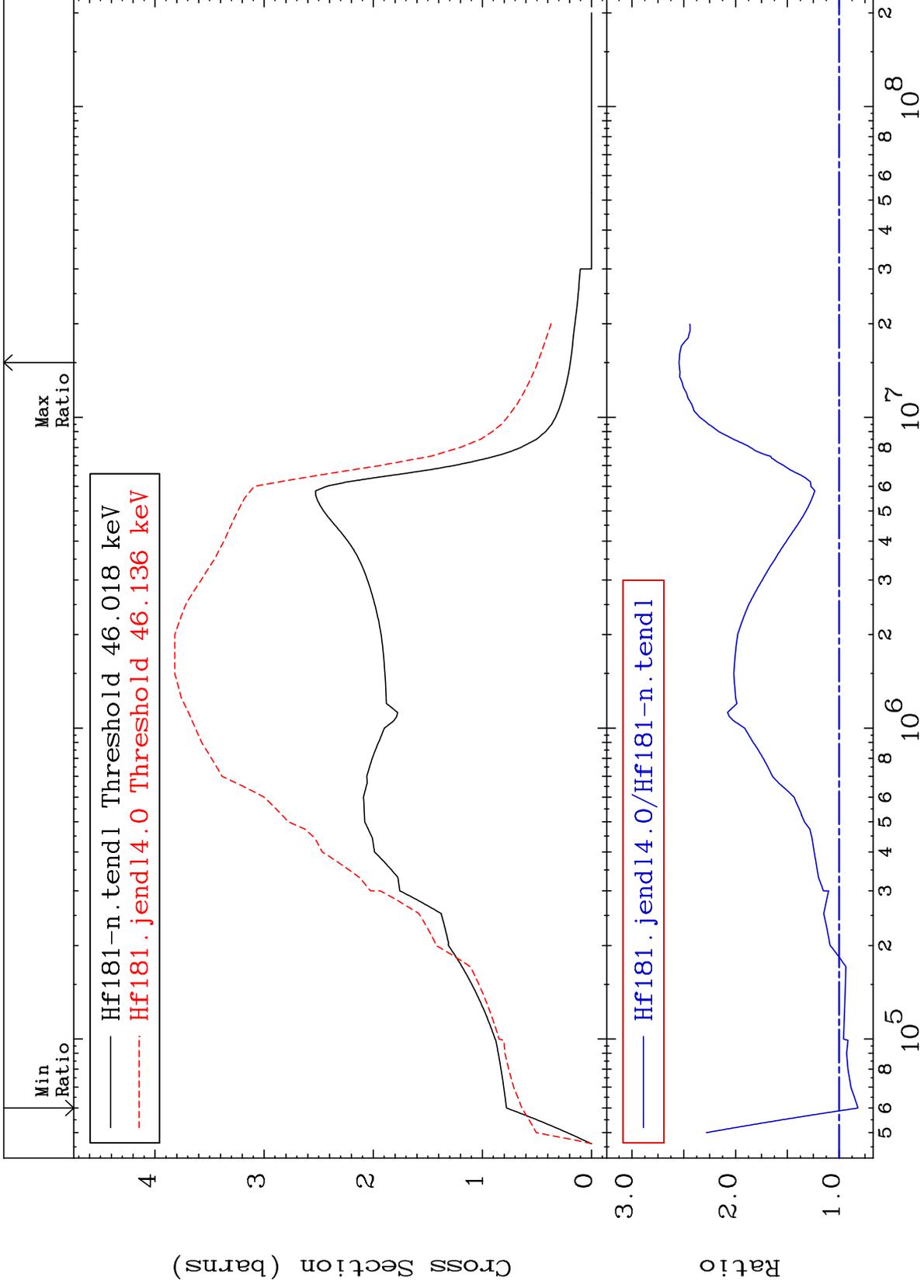
Elastic Cross Section
72-Hf-181
-99.27 To 6602. %



MAT 7246

Inelastic
Cross Section

⁷²Hf-181
-18.07 To 154.6 %



3

Incident Energy (eV)

⁷²Hf-181

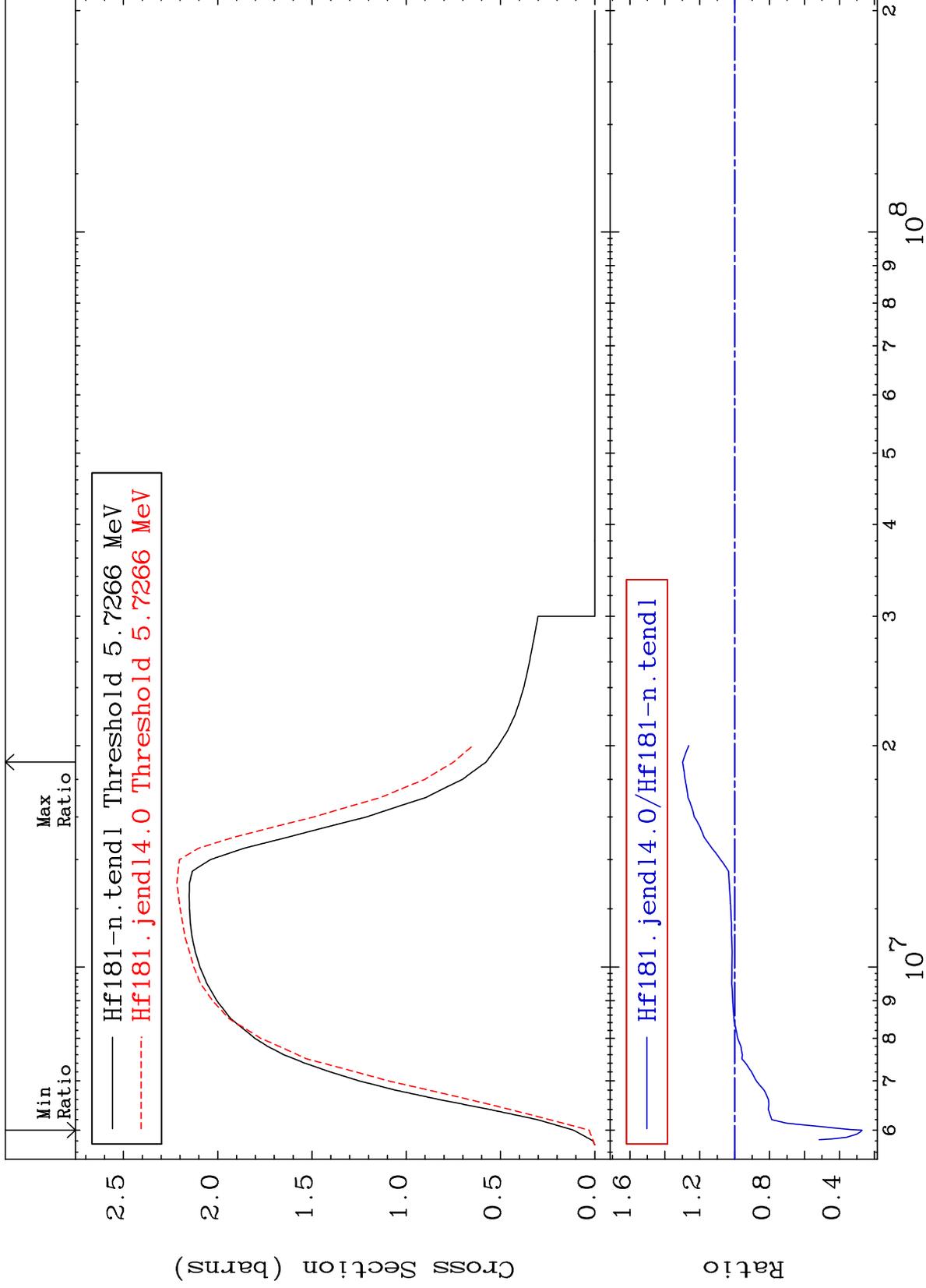
MAT 7246

(n,2n)

72-Hf-181

Cross Section

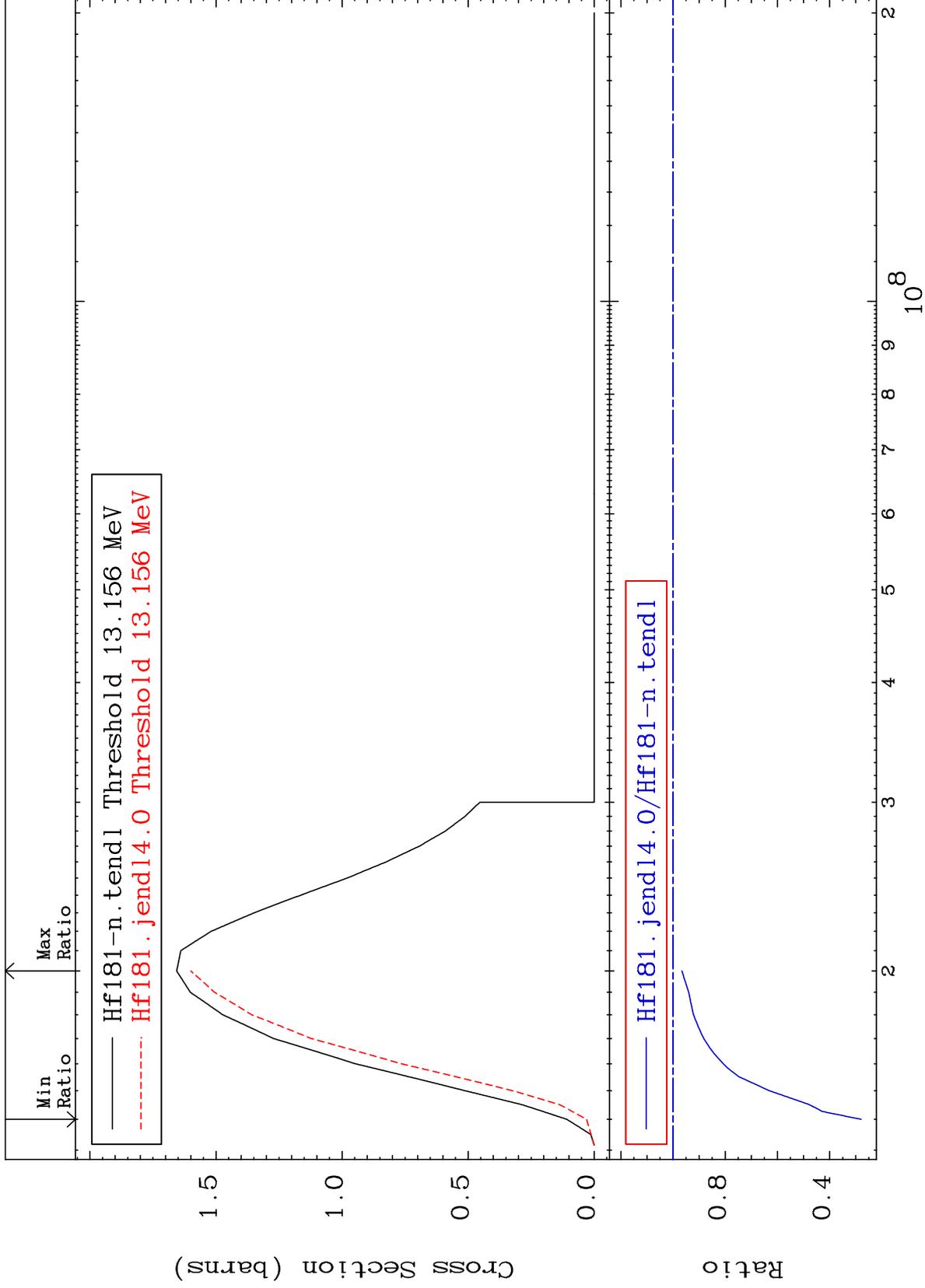
-72.96 To 29.80 %



Incident Energy (eV)

72-Hf-181

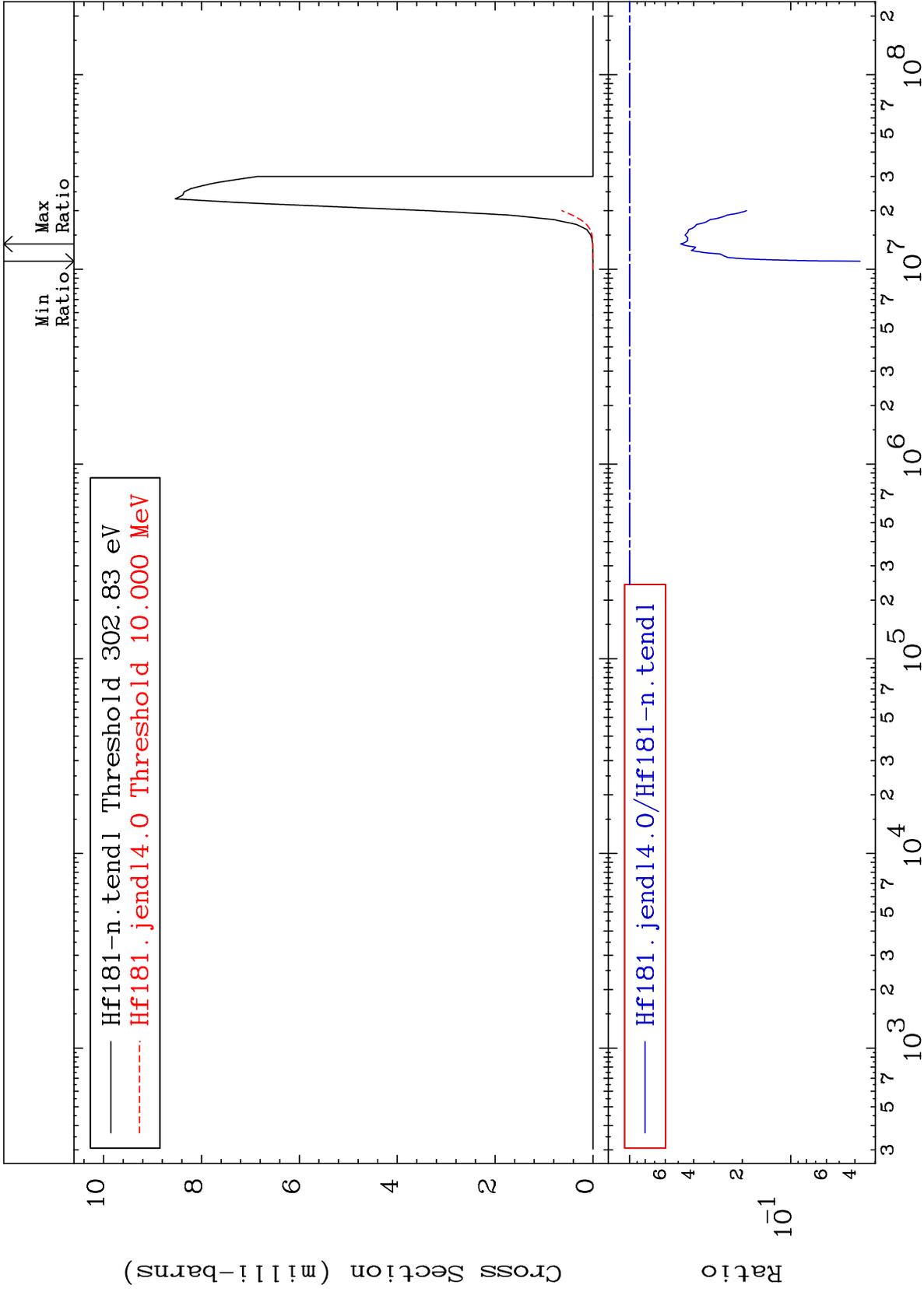
4



MAT 7246

(n, n') α
Cross Section

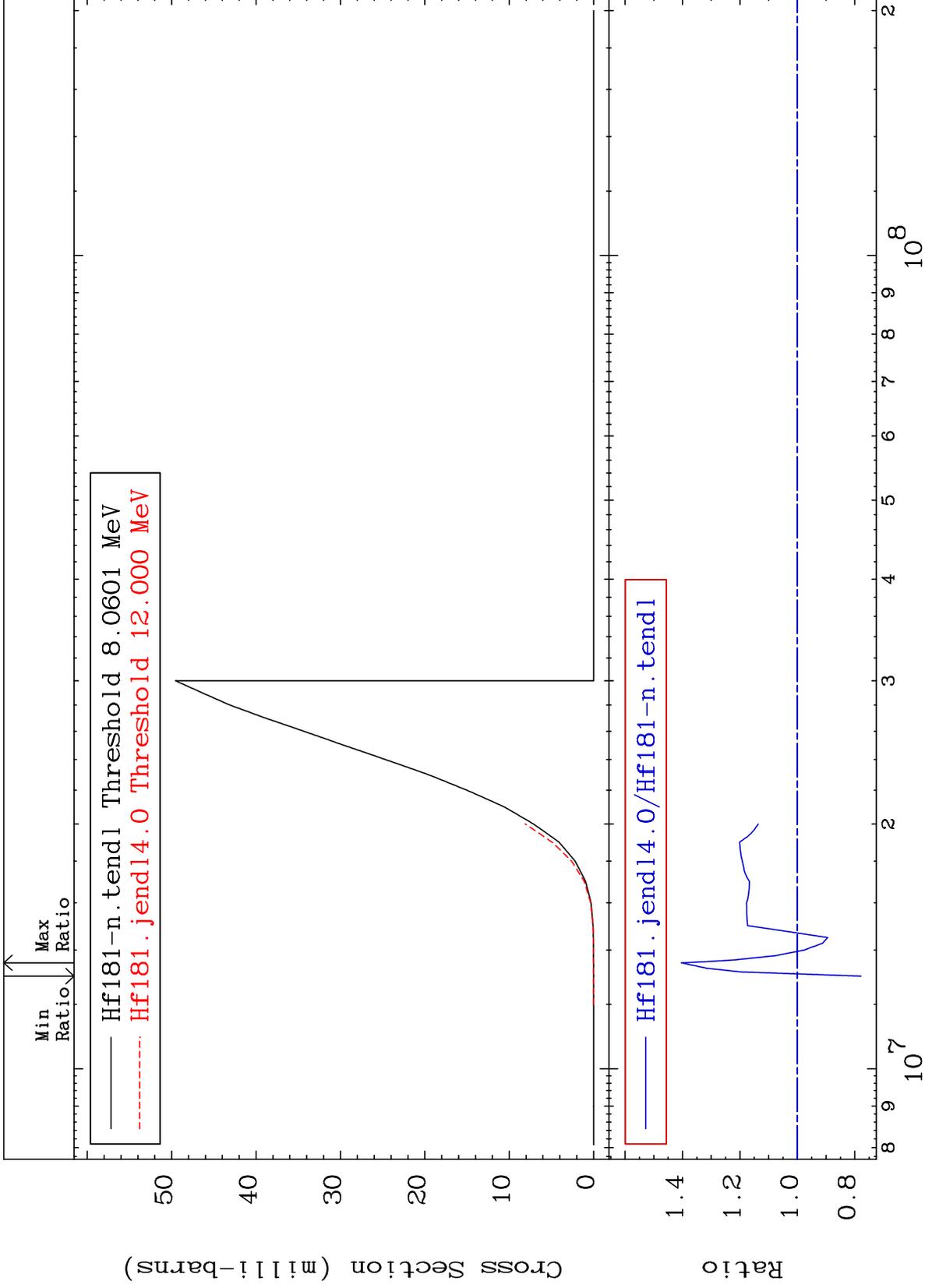
⁷²Hf-181
-96.29 To -51.85%



MAT 7246

(n,n') p
Cross Section

⁷²Hf-181
-22.17 To 40.35 %



7

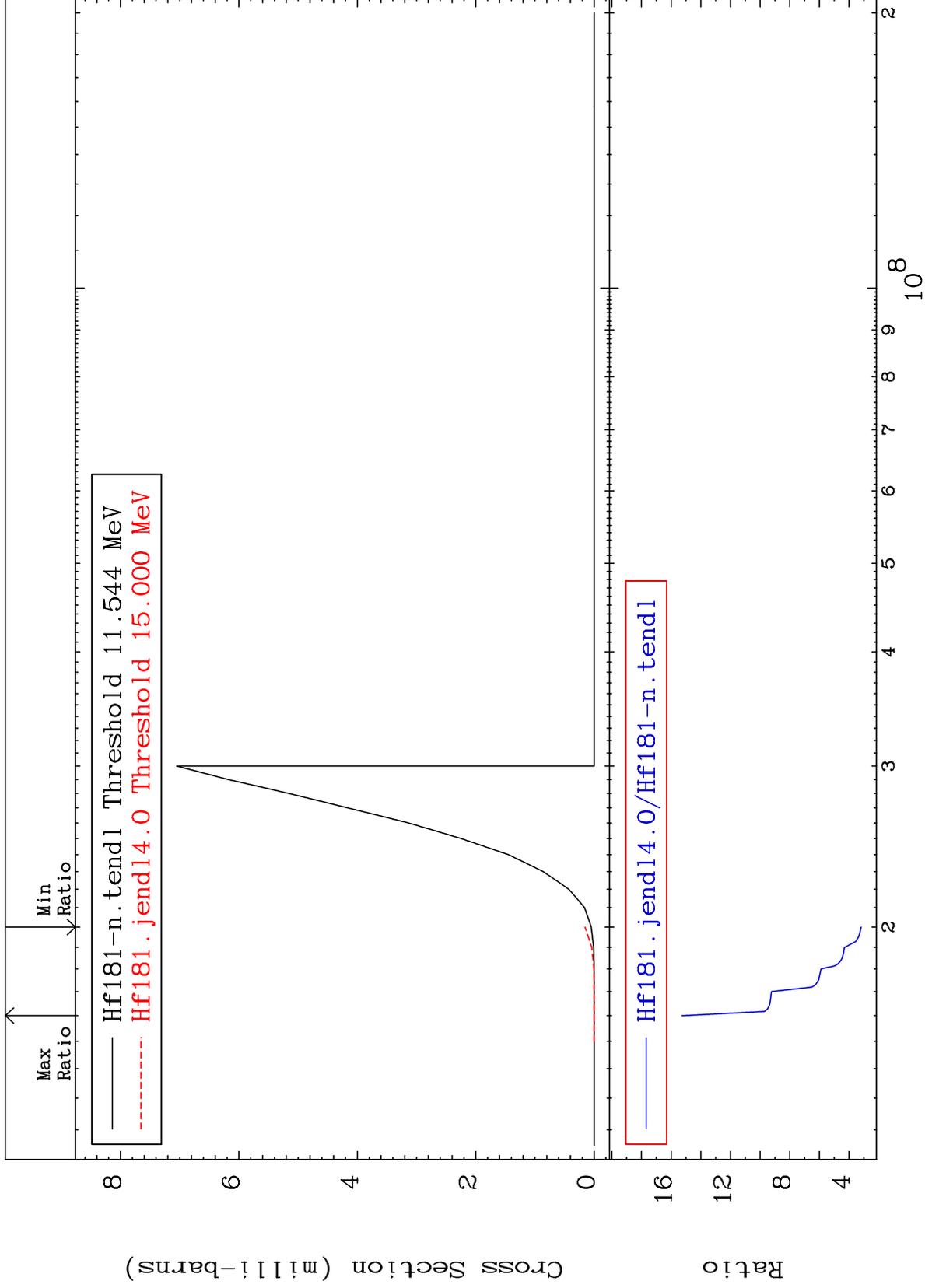
Incident Energy (eV)

⁷²Hf-181

MAT 7246

(n,n') d
Cross Section

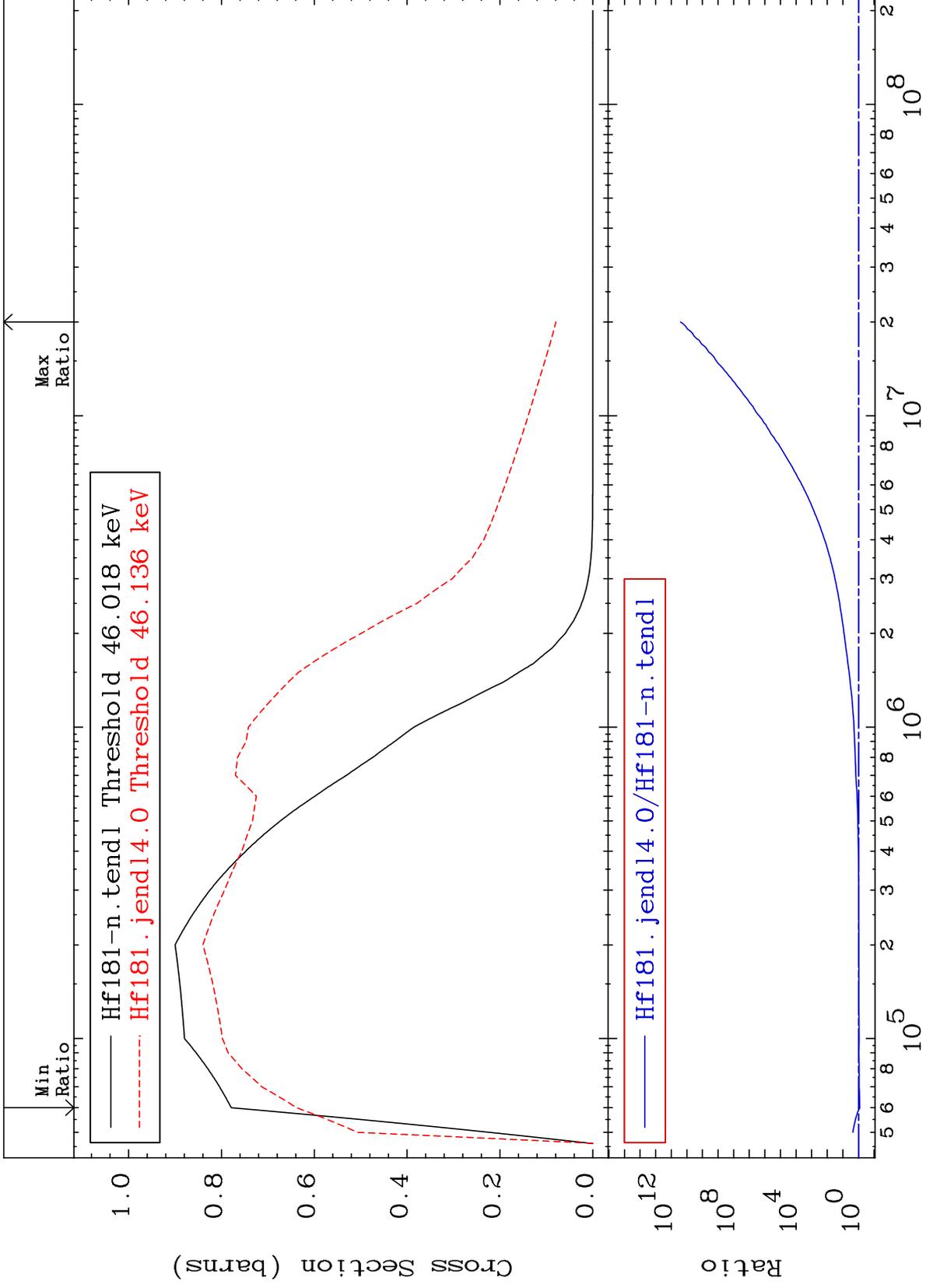
72-Hf-181
218.9 To 1427. %



MAT 7246

45.76 keV (n,n') Level
Cross Section

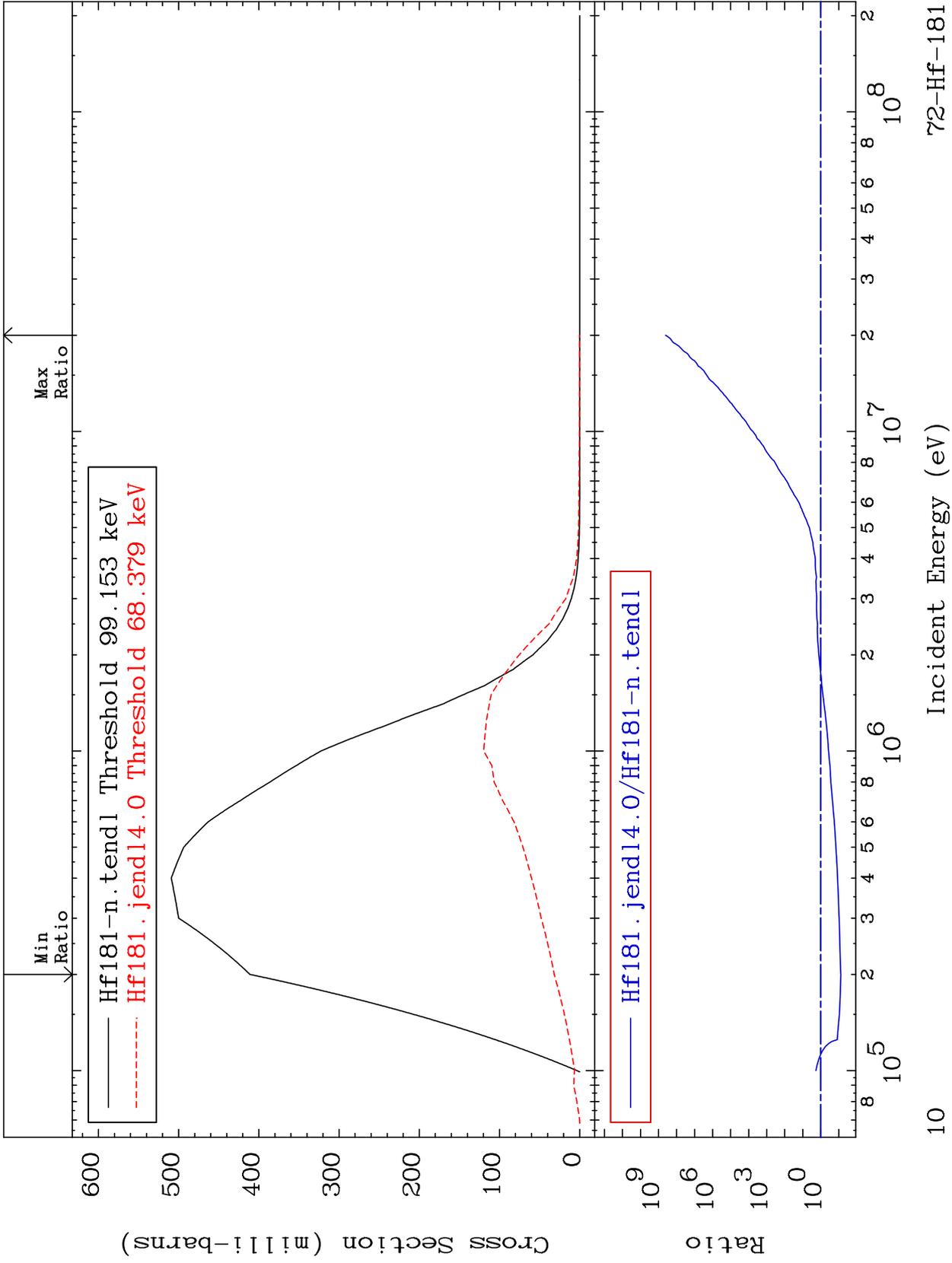
72-Hf-181
-18.07 To 9999. %



MAT 7246

98.60 keV (n,n') Level
Cross Section

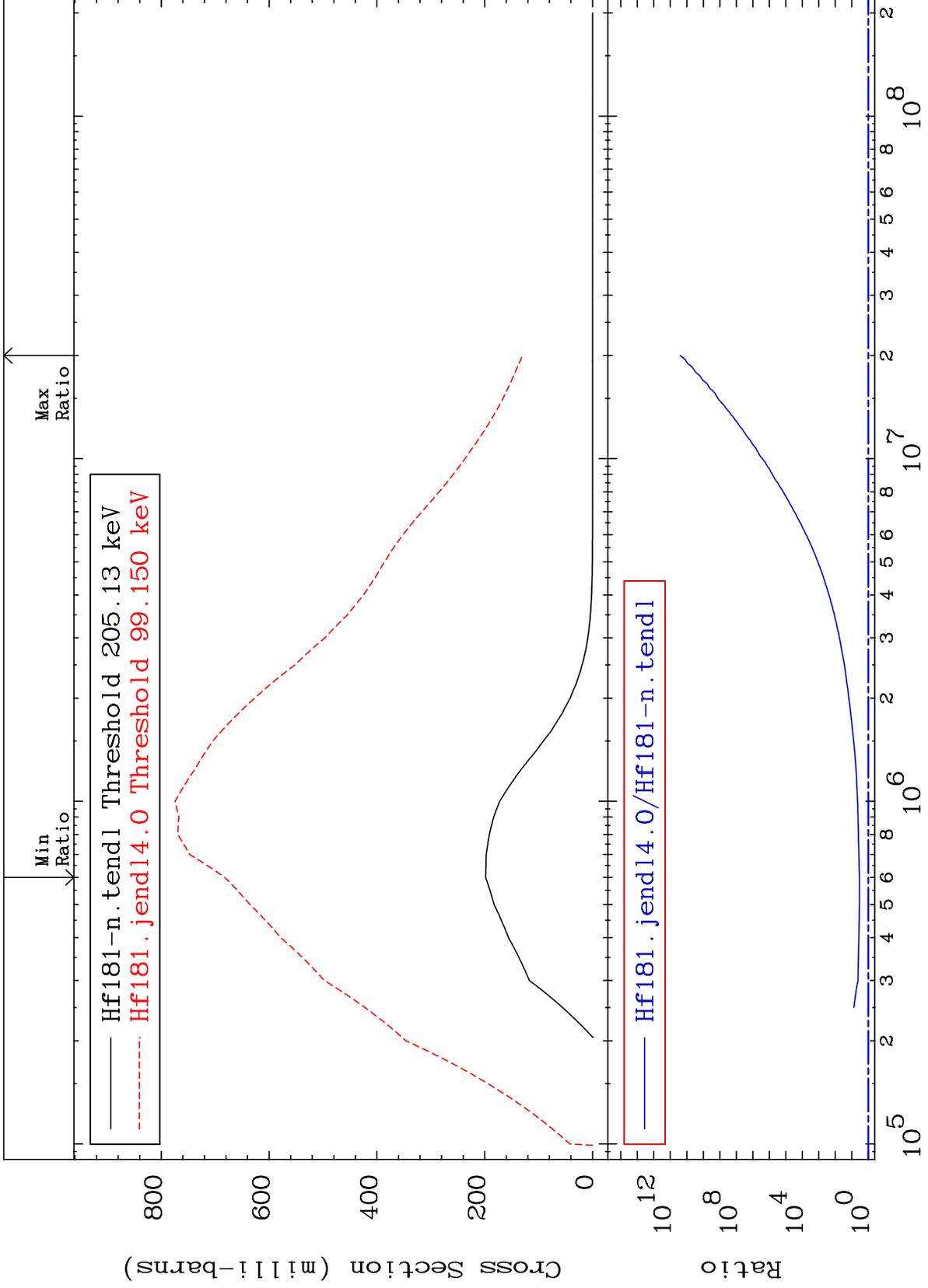
72-Hf-181
-92.27 To 9999. %



MAT 7246

204.0 keV (n,n') Level
Cross Section

72-Hf-181
244.1 To 9999. %



11

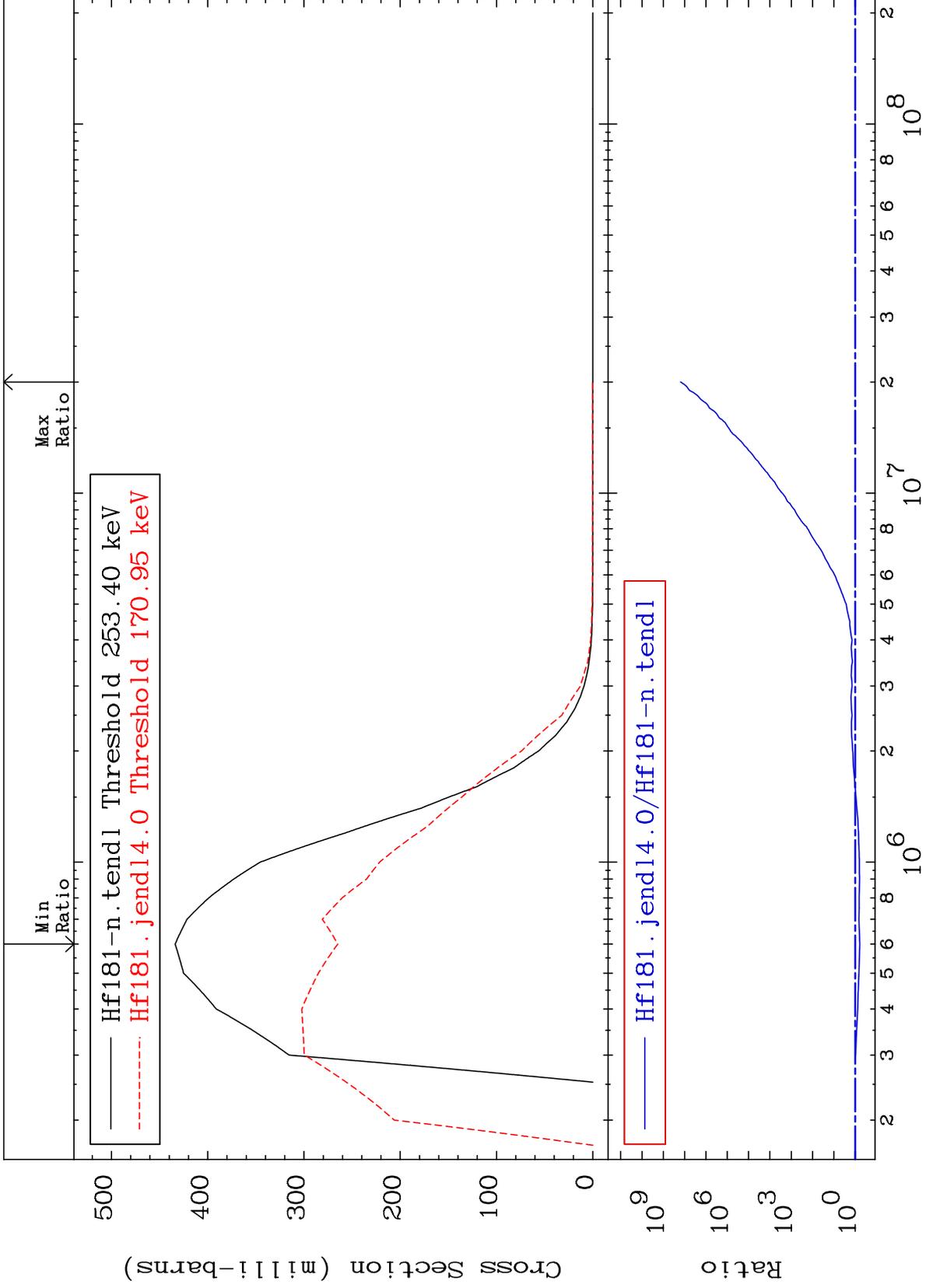
Incident Energy (eV)

72-Hf-181

MAT 7246

252.0 keV (n,n') Level
Cross Section

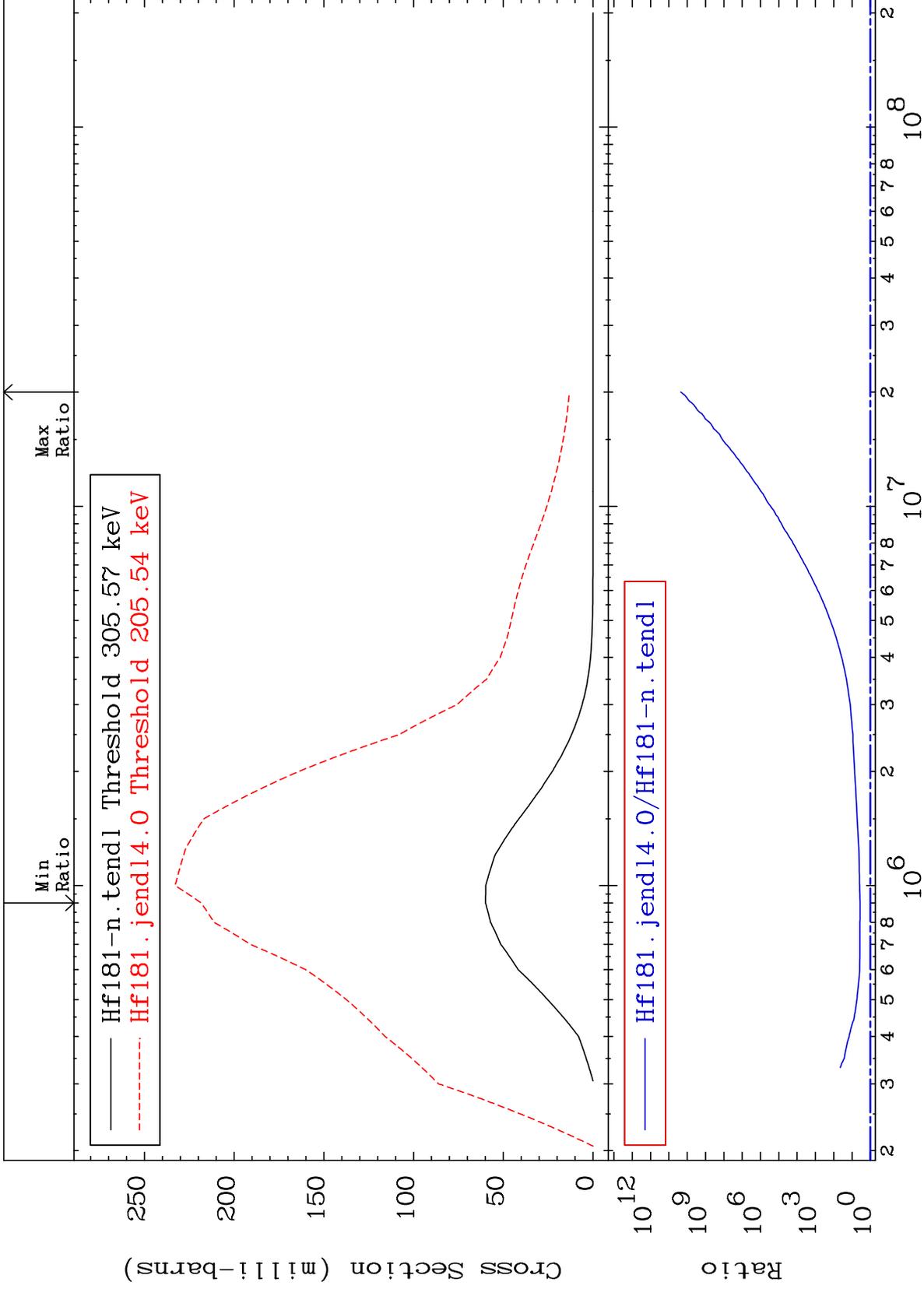
72-Hf-181
-38.95 To 9999. %



MAT 7246

303.9 keV (n,n') Level
Cross Section

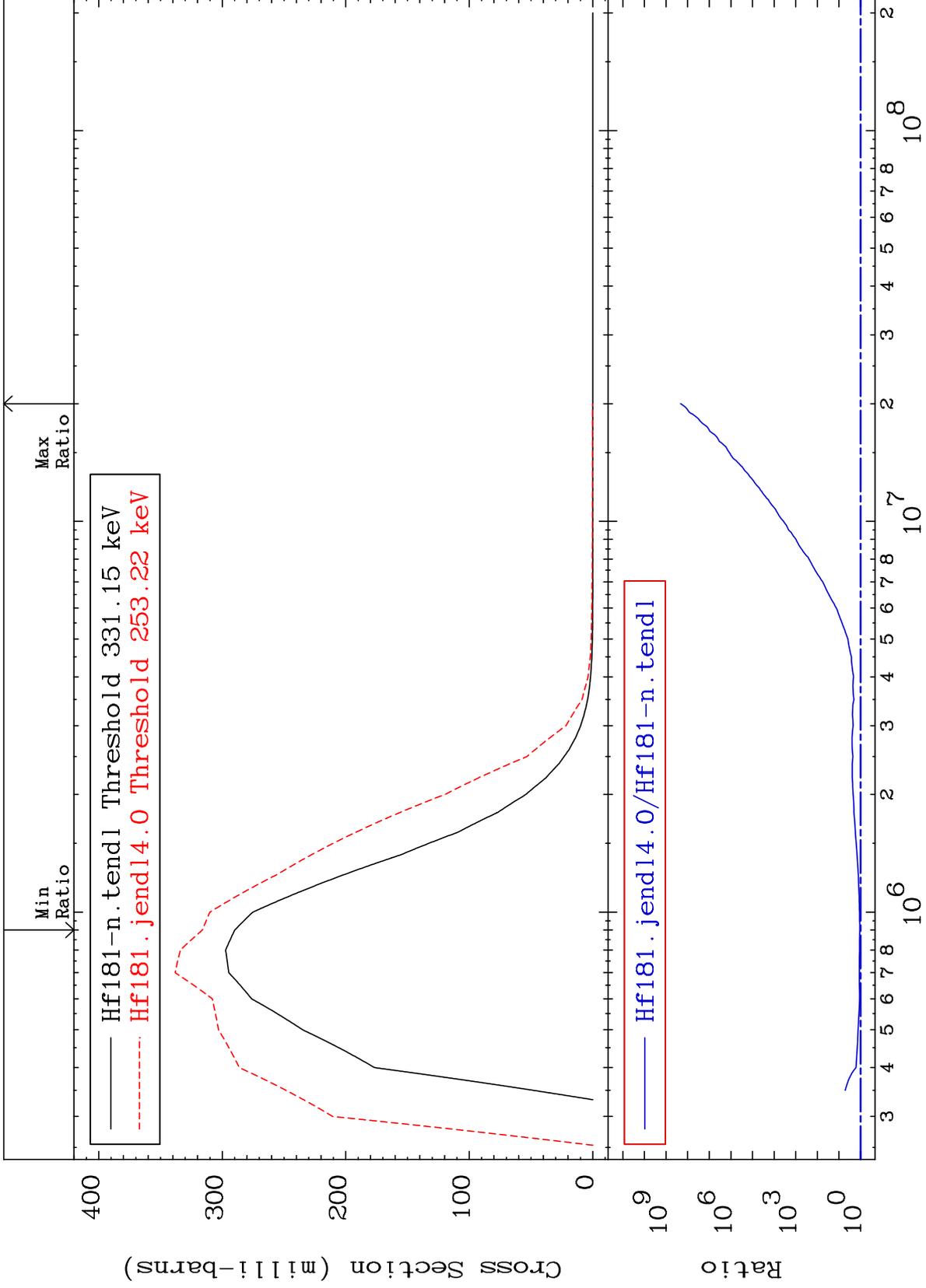
72-Hf-181
264.7 To 9999. %



MAT 7246

329.3 keV (n,n') Level
Cross Section

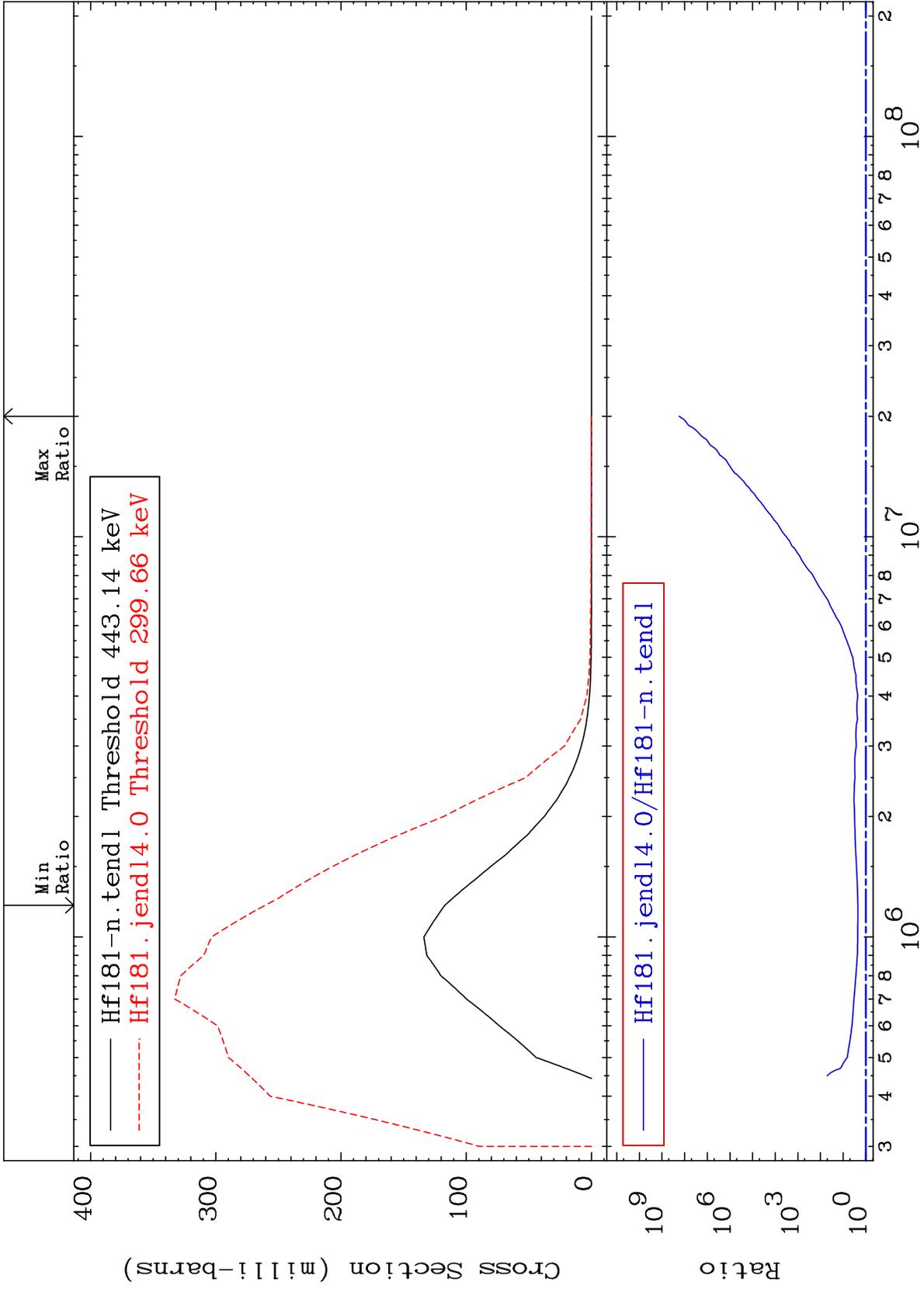
72-Hf-181
9.044 To 9999. %



MAT 7246

440.7 keV (n,n') Level
Cross Section

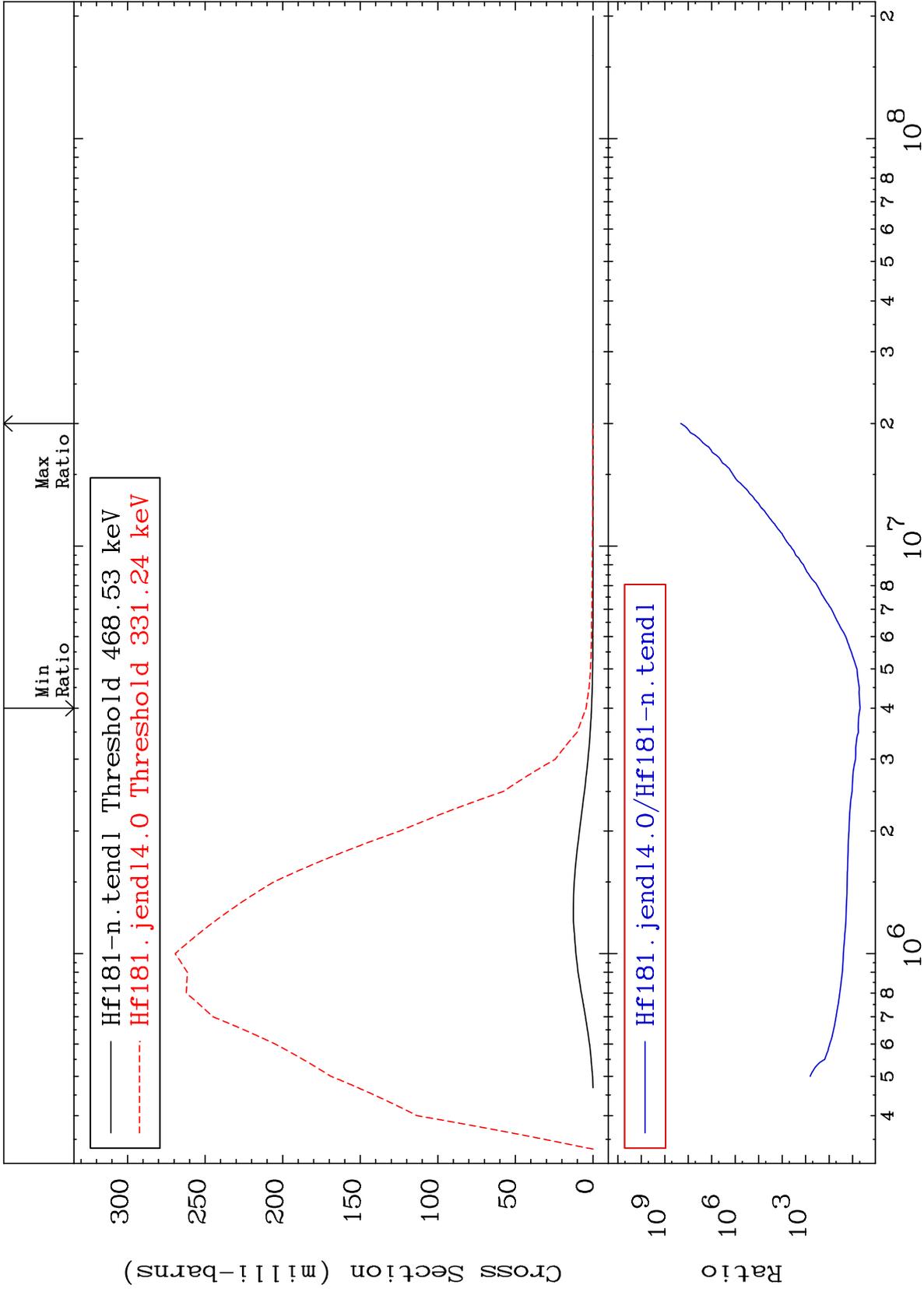
72-Hf-181
122.5 To 9999. %



MAT 7246

465.9 keV (n,n') Level
Cross Section

72-Hf-181
377.4 To 9999. %



16

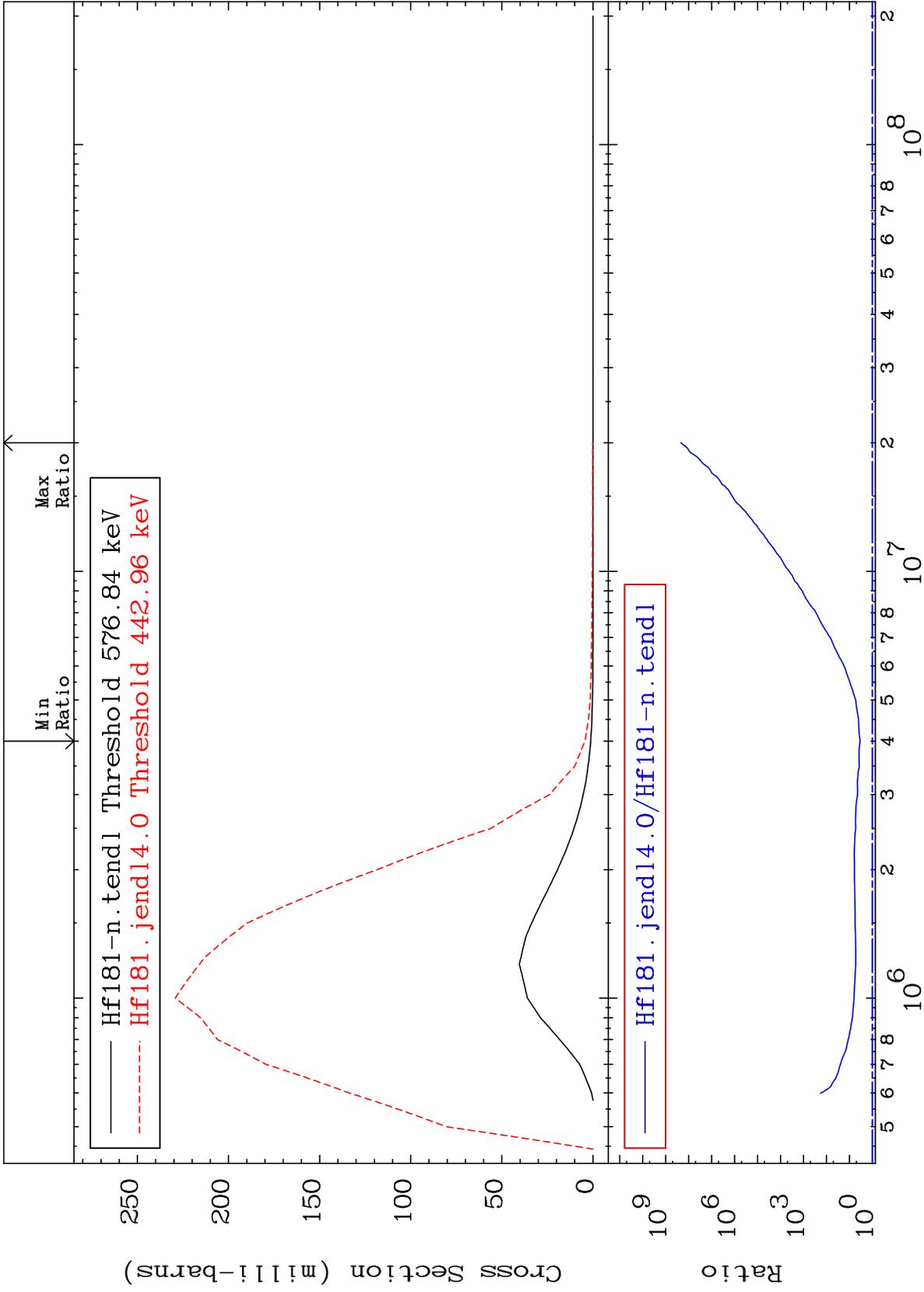
Incident Energy (eV)

72-Hf-181

MAT 7246

573.6 keV (n,n') Level
Cross Section

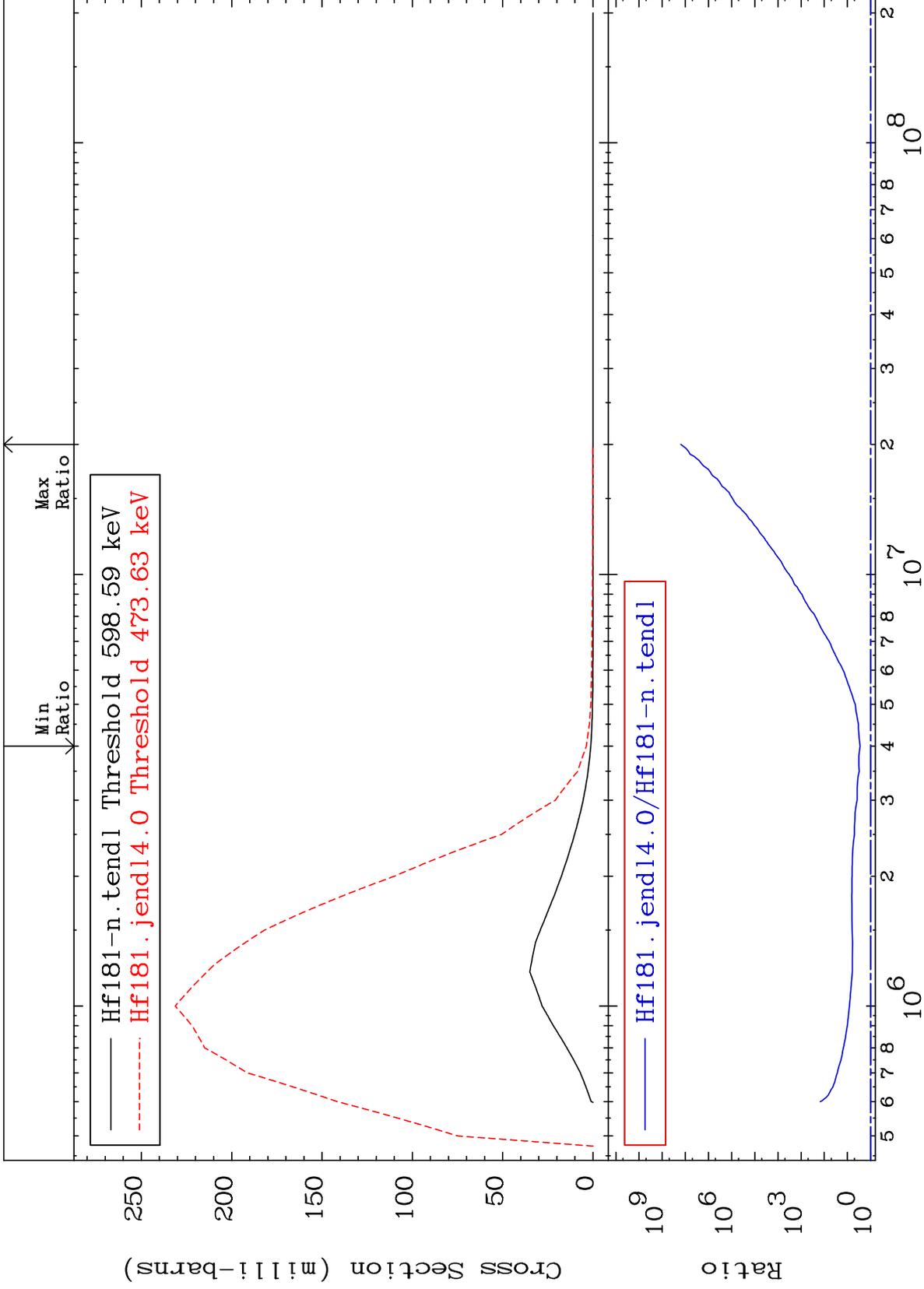
72-Hf-181
244.5 To 9999. %



MAT 7246

595.3 keV (n,n') Level
Cross Section

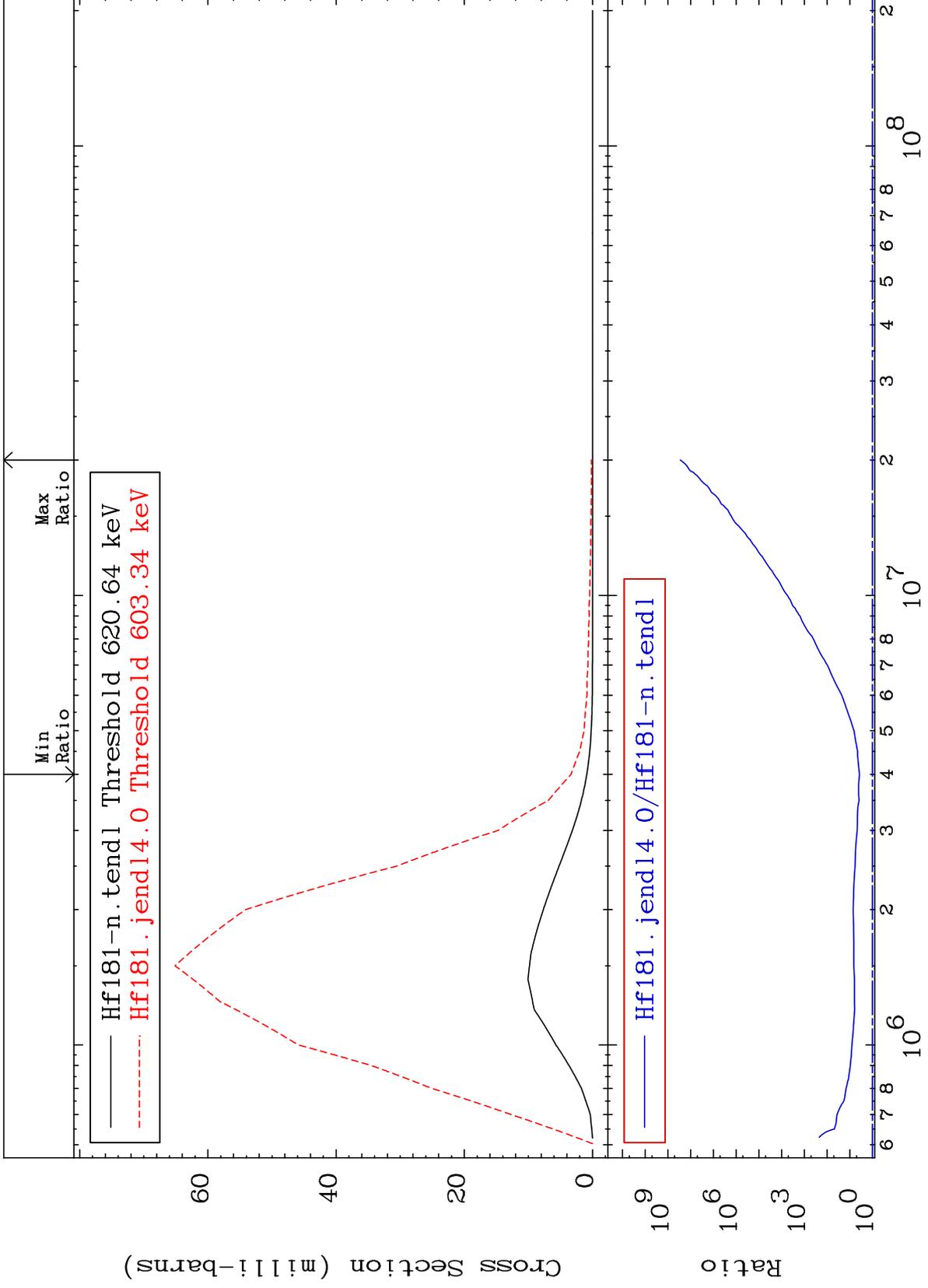
72-Hf-181
183.6 To 9999. %



MAT 7246

617.2 keV (n,n') Level
Cross Section

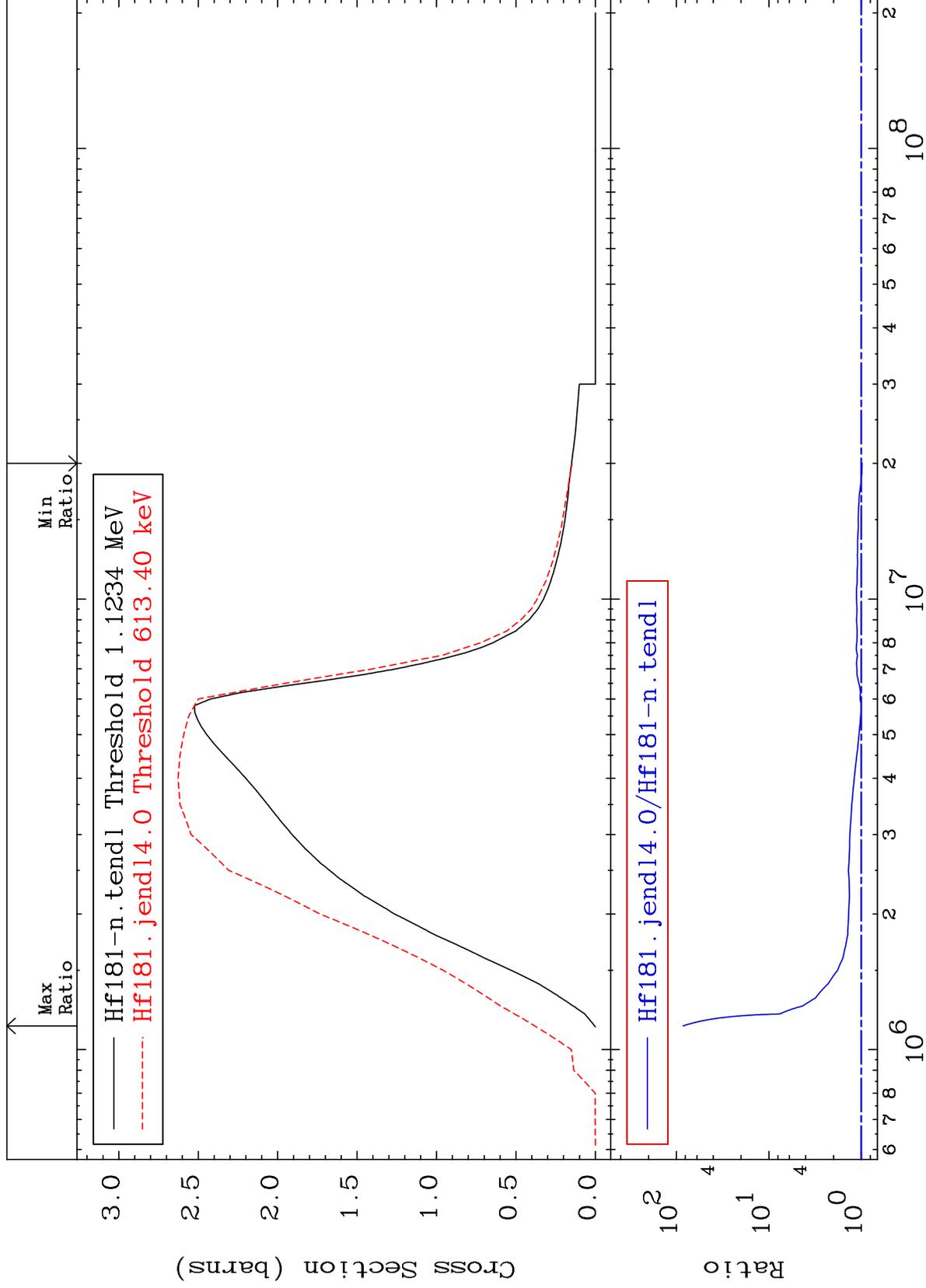
72-Hf-181
274.3 To 9999. %



MAT 7246

(n, n') Continuum
Cross Section

72-Hf-181
-2.048 To 8366. %



20

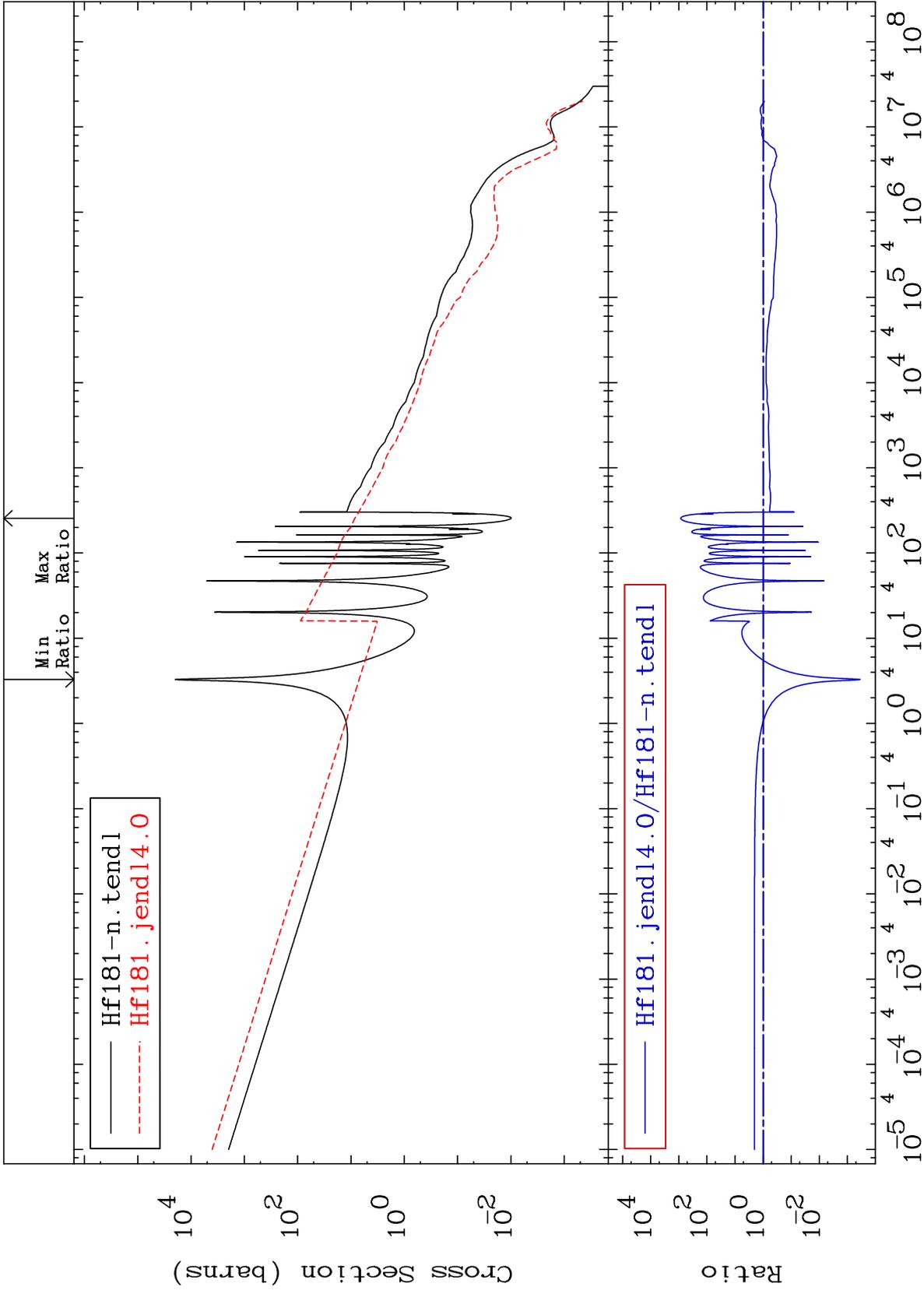
Incident Energy (eV)

72-Hf-181

MAT 7246

(n, γ)
Cross Section

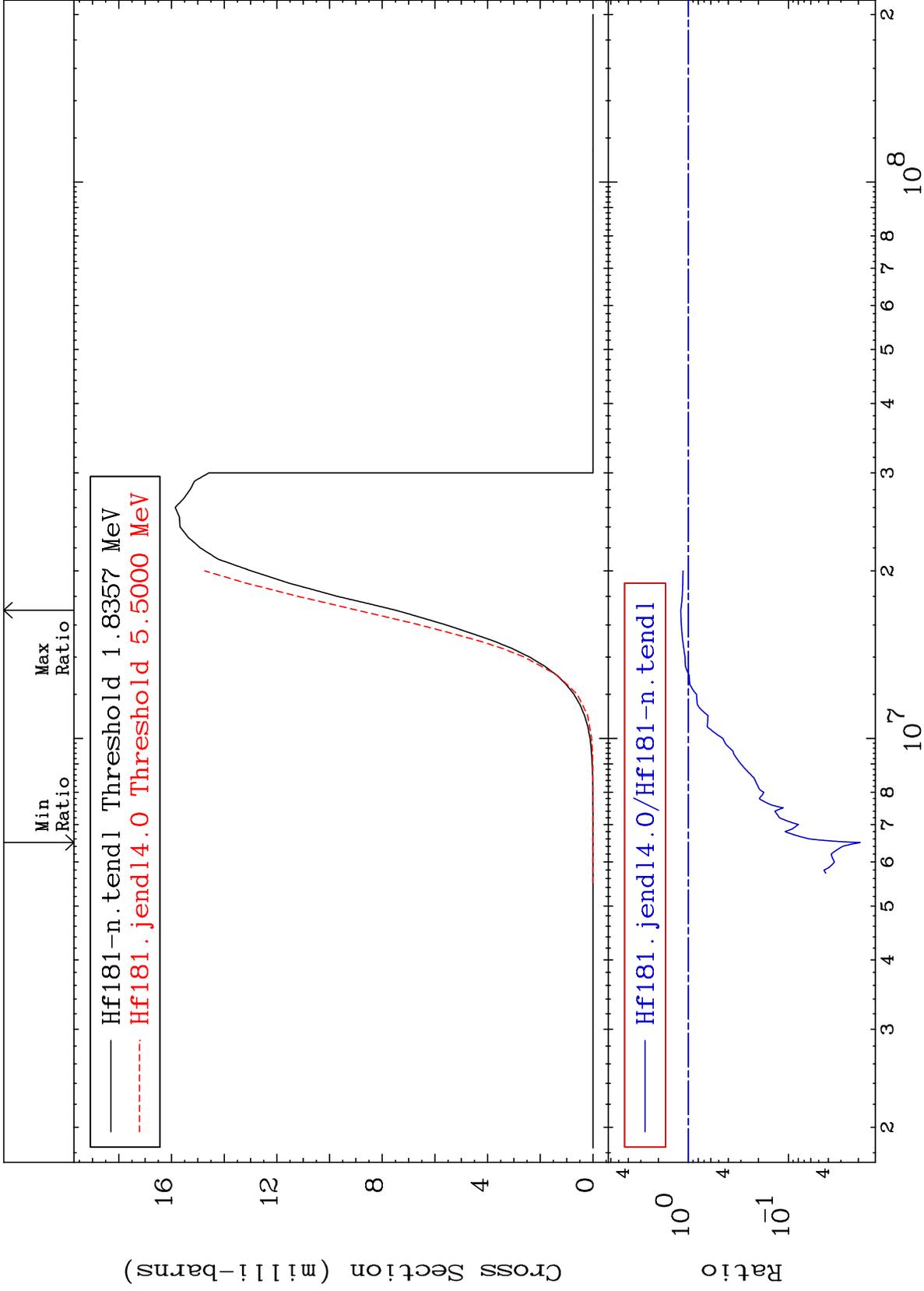
⁷²Hf-181
-99.96 To 9999. %

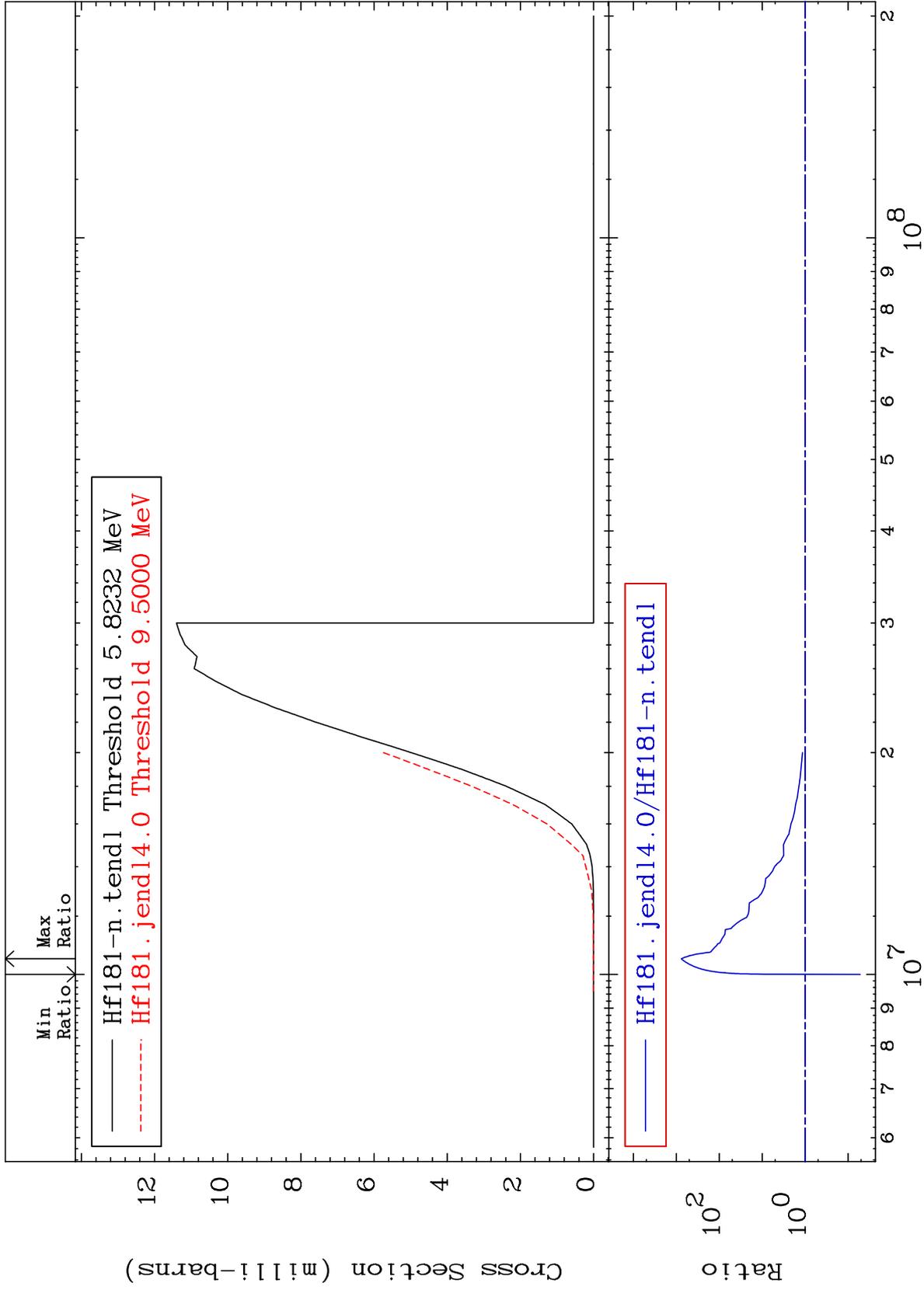


MAT 7246

(n,p)
Cross Section

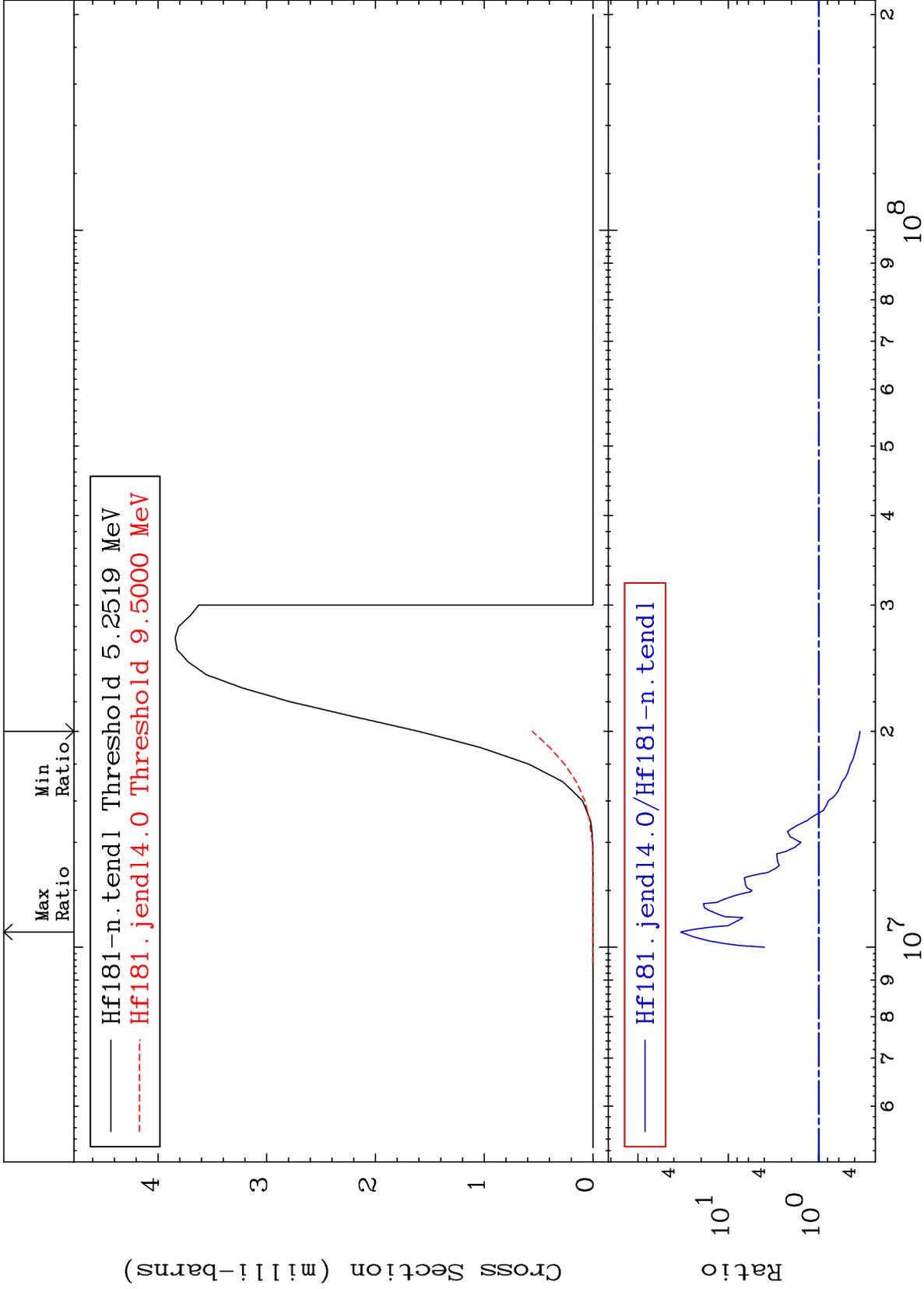
72-Hf-181
-98.07 To 19.57 %





Cross Section

-65.19 To 3256. %



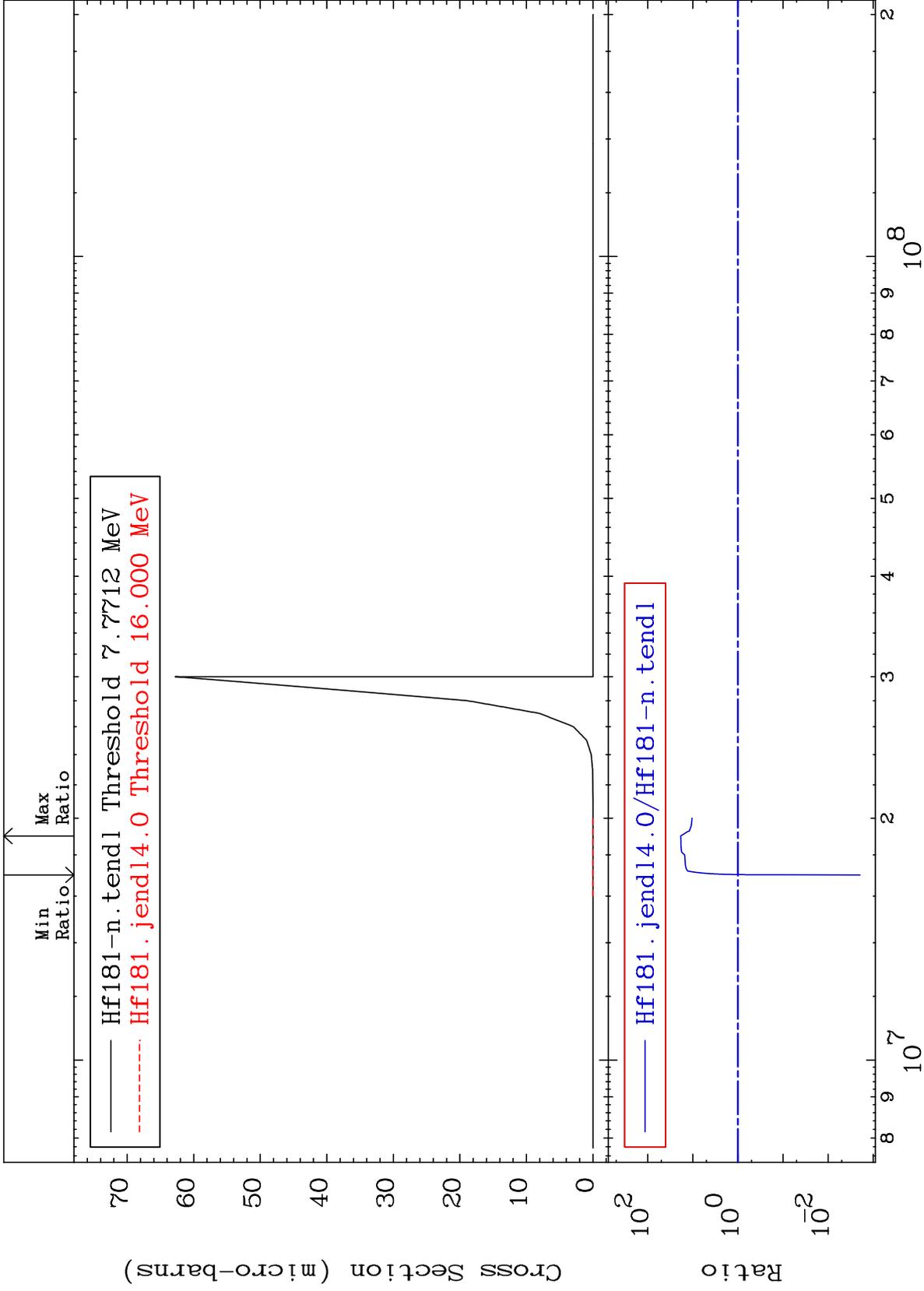
MAT 7246

(n, He-3)

72-Hf-181

Cross Section

-99.80 To 1756. %



25

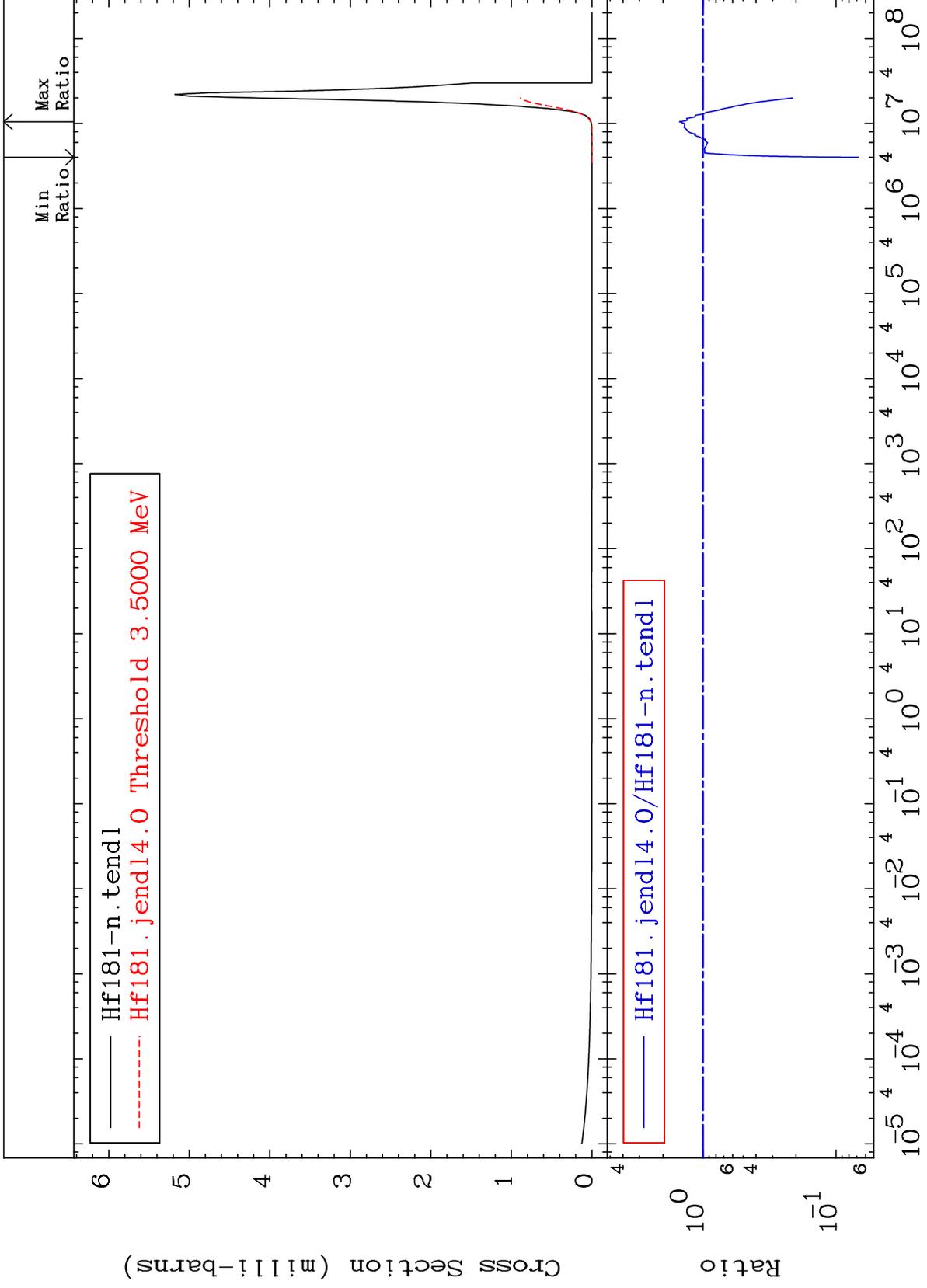
Incident Energy (eV)

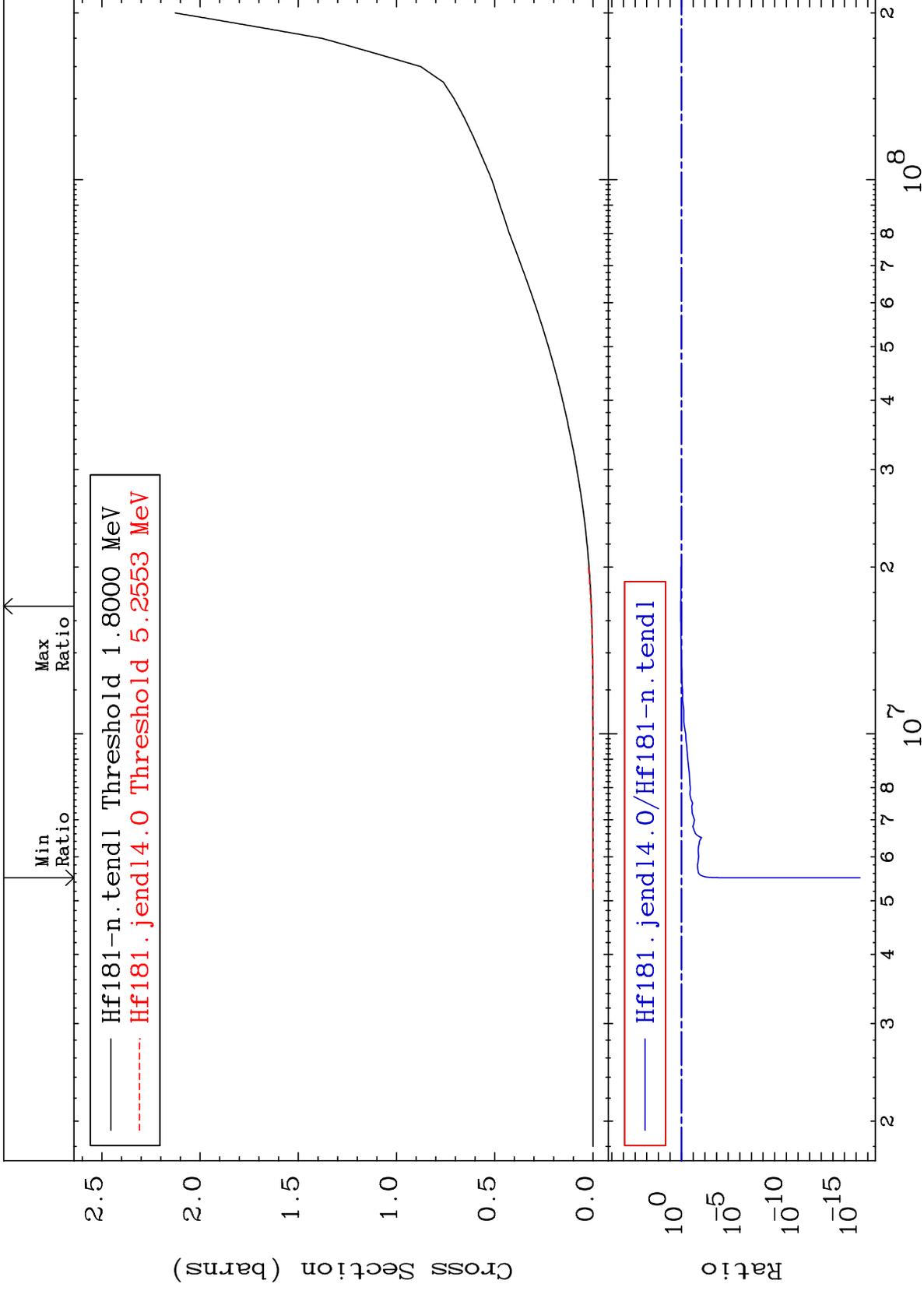
72-Hf-181

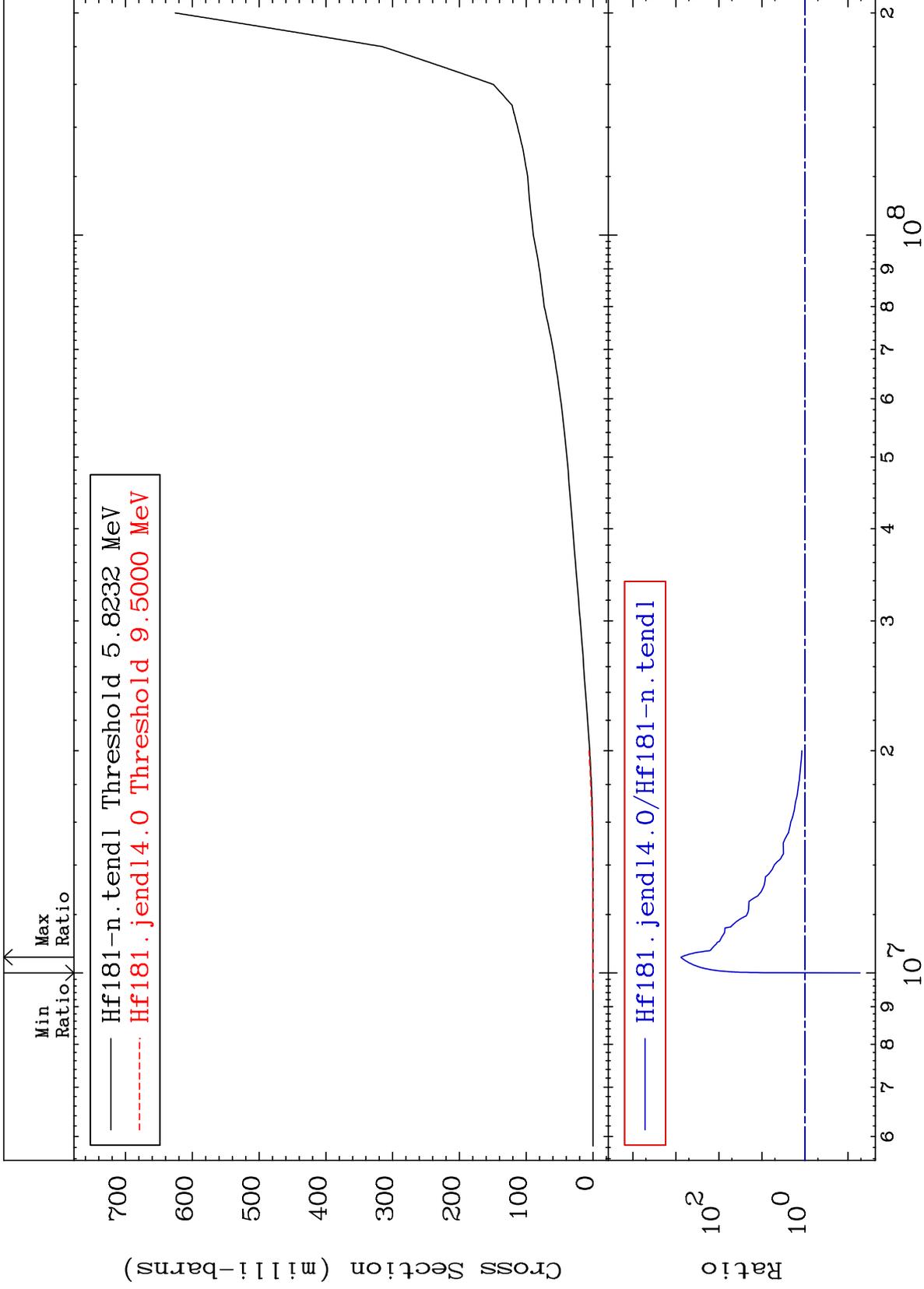
MAT 7246

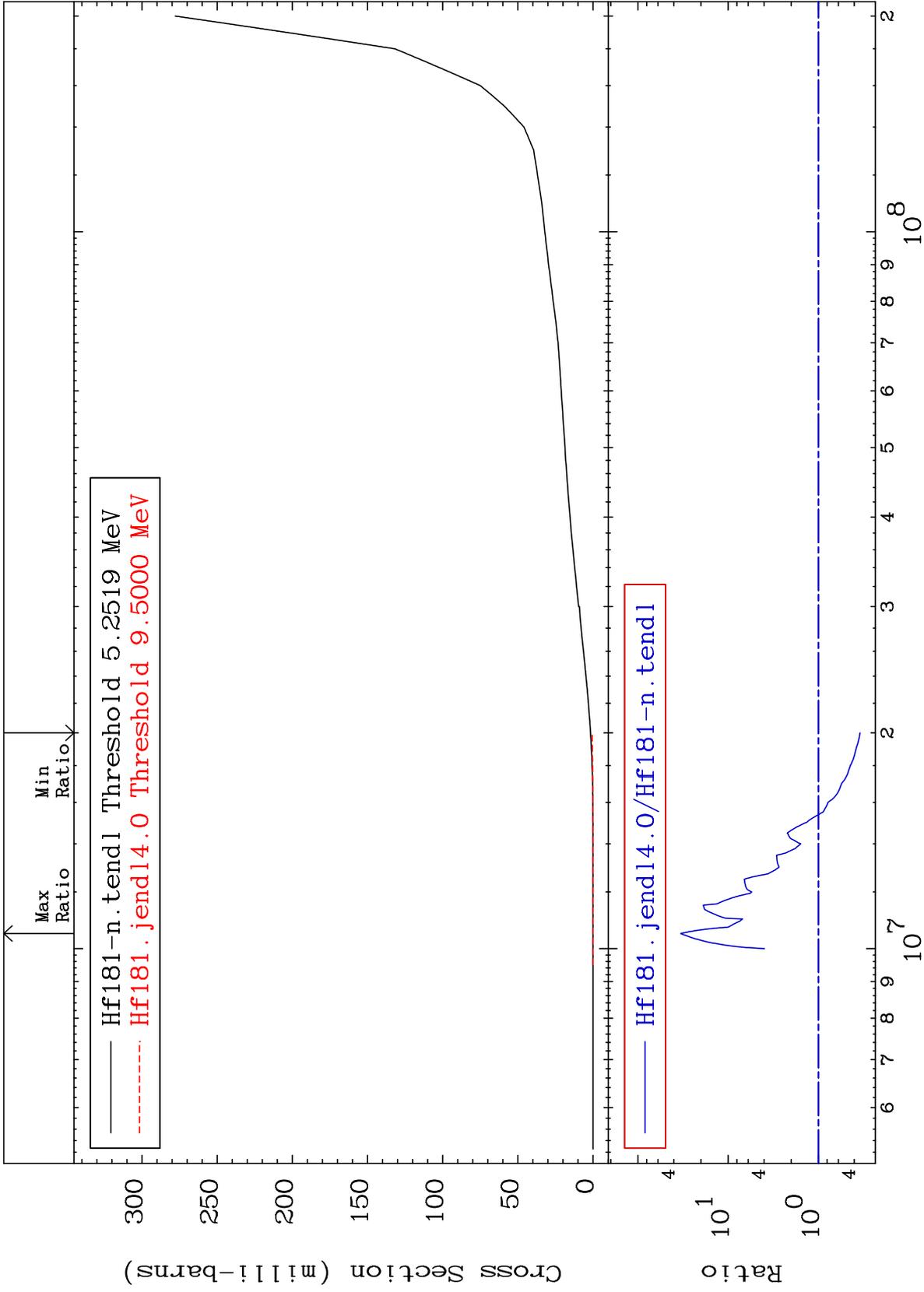
(n, α)
Cross Section

72-Hf-181
-93.22 To 50.14 %





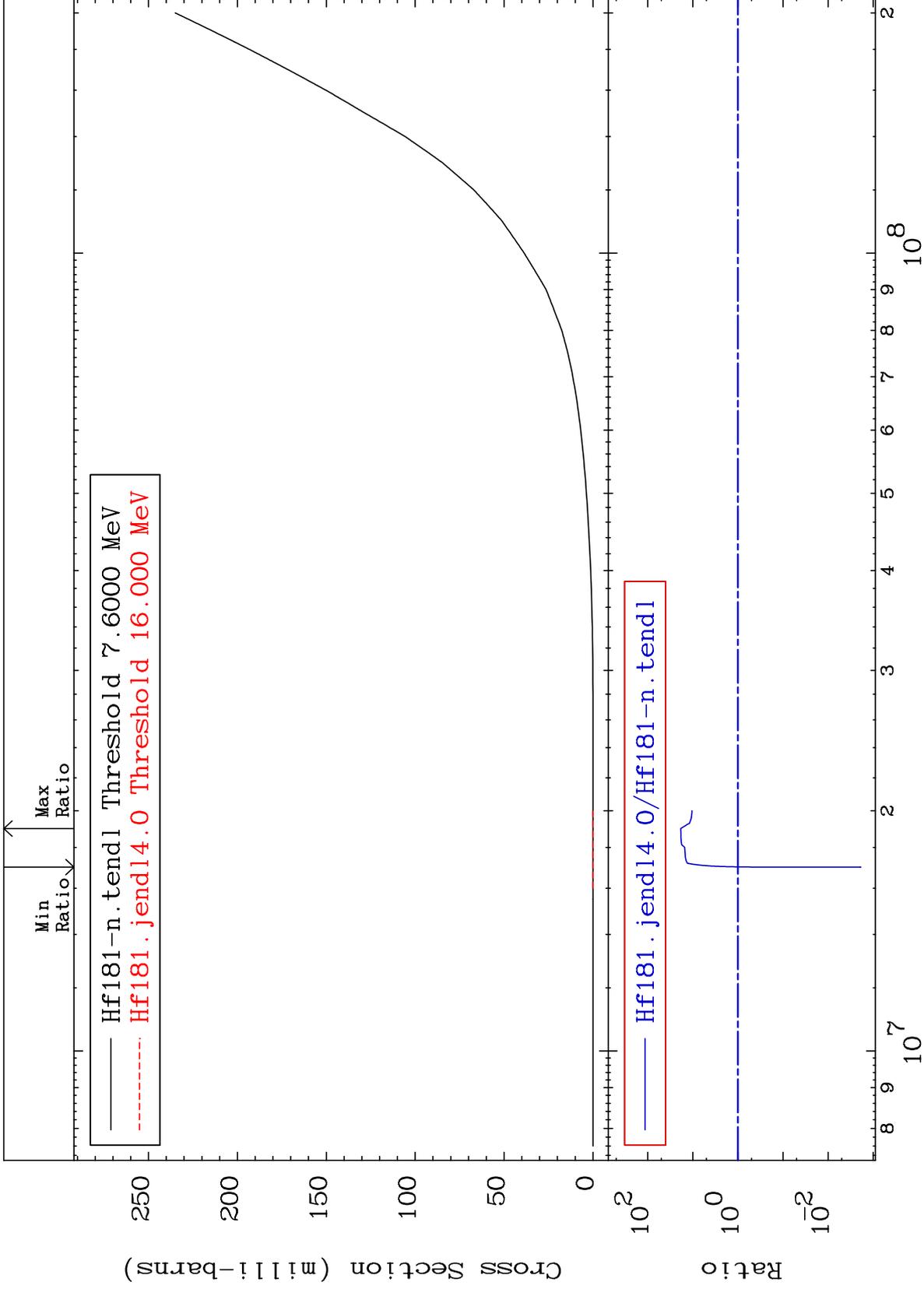




MAT 7246

He-3 Production
Cross Section

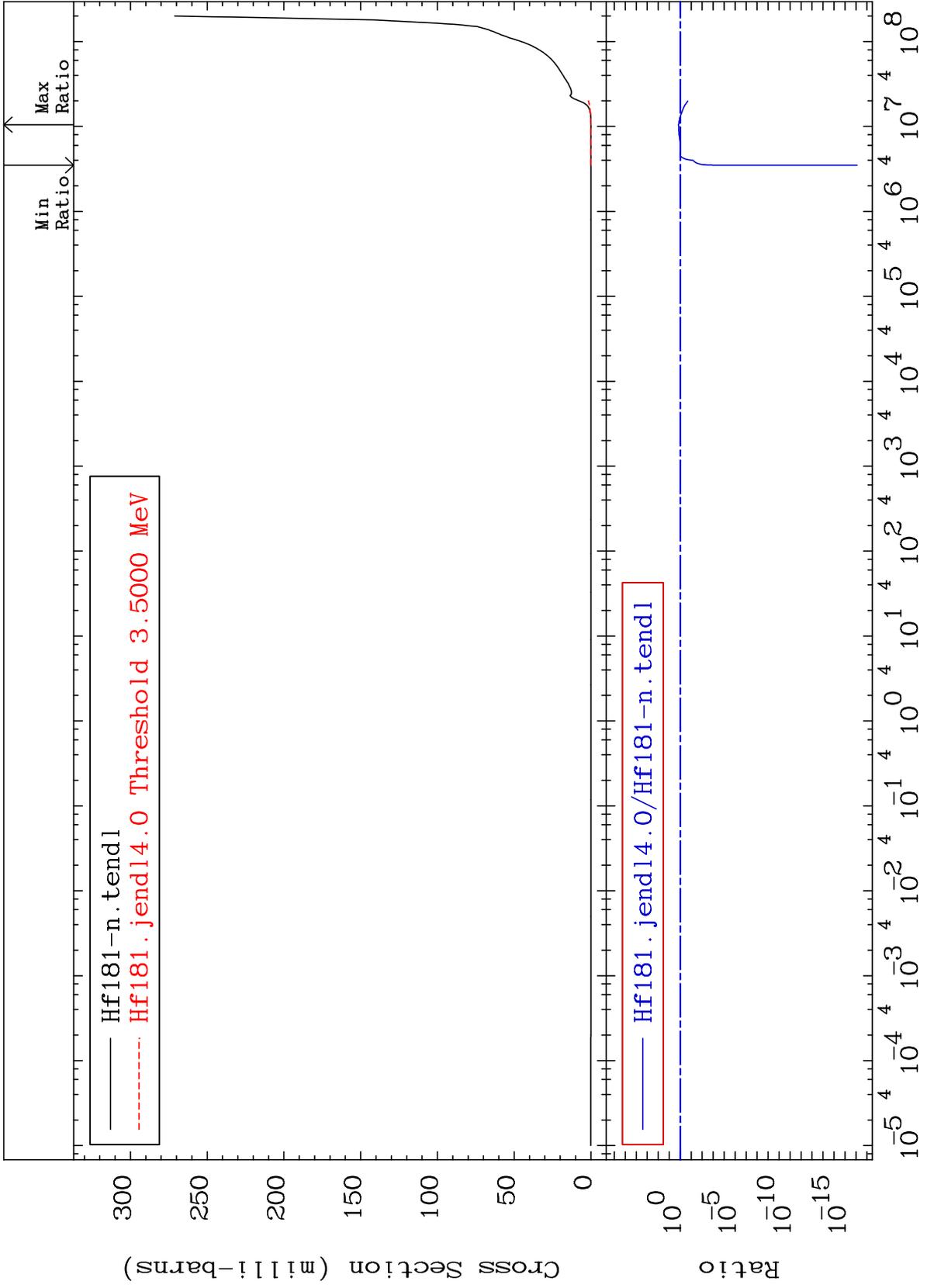
⁷²Hf-¹⁸¹
-99.80 To 1756. %

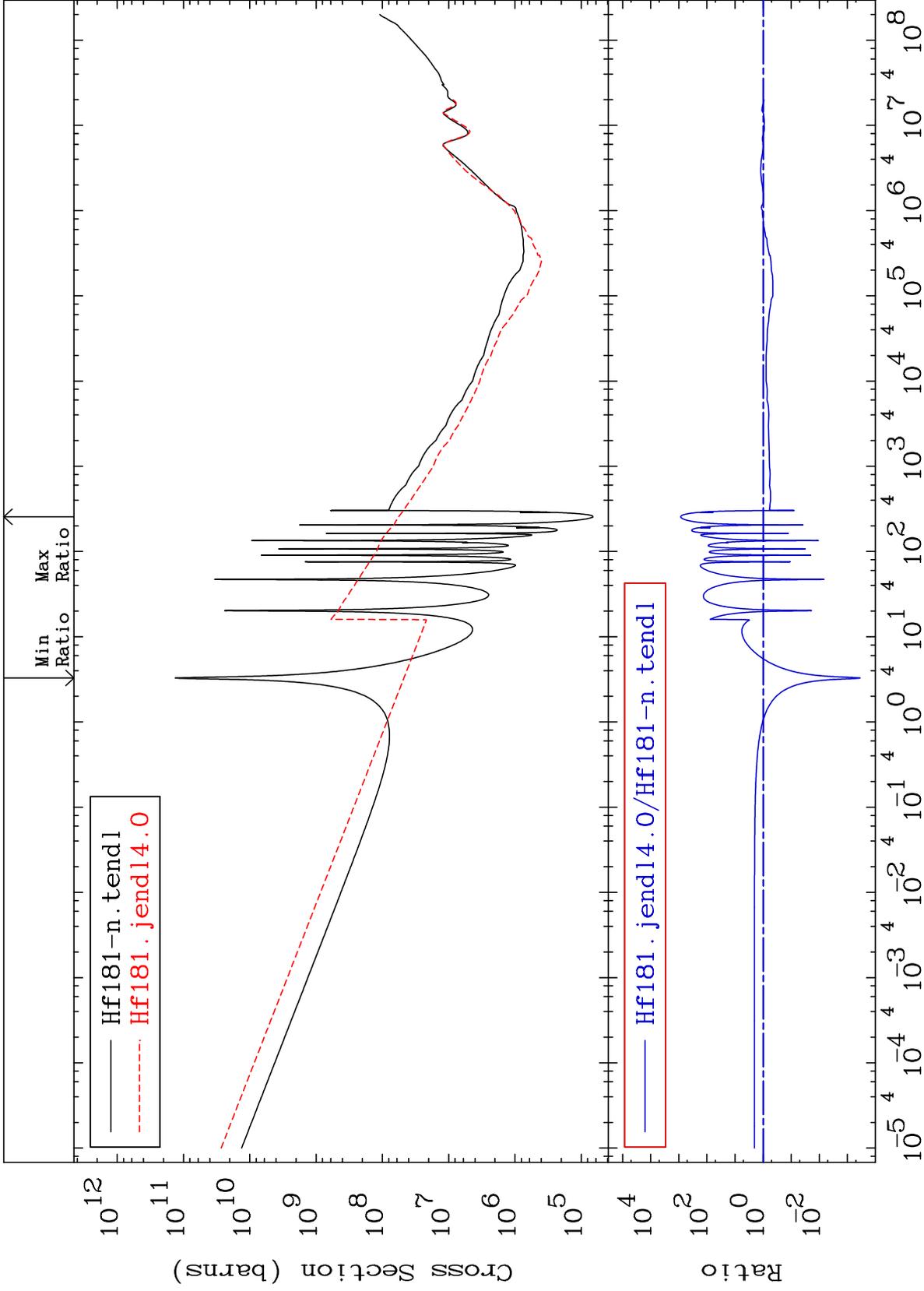


30

Incident Energy (eV)

⁷²Hf-¹⁸¹





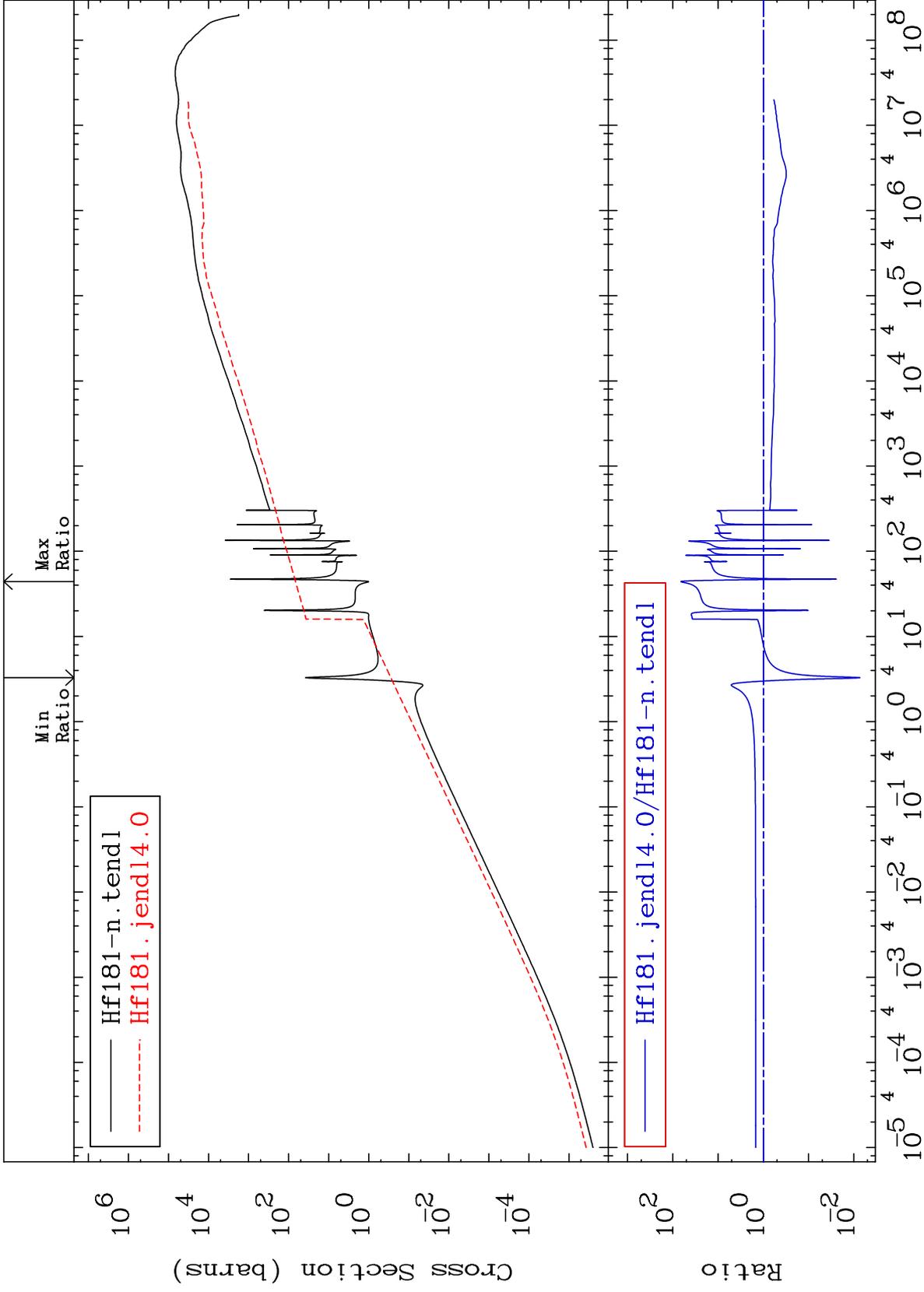
— Hf181-n.tendl
- - - Hf181.jendl4.0

— Hf181.jendl4.0/Hf181-n.tendl

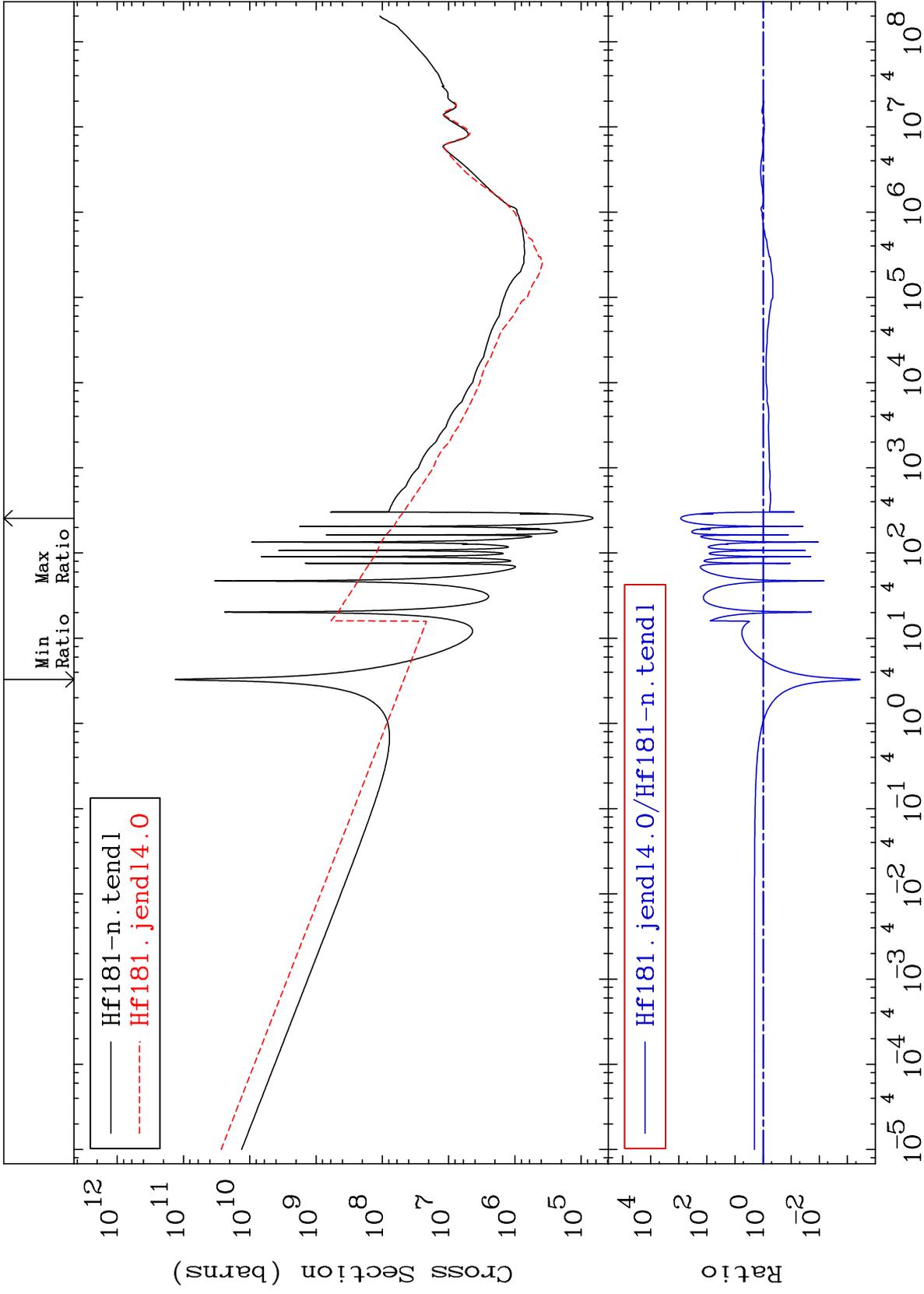
MAT 7246

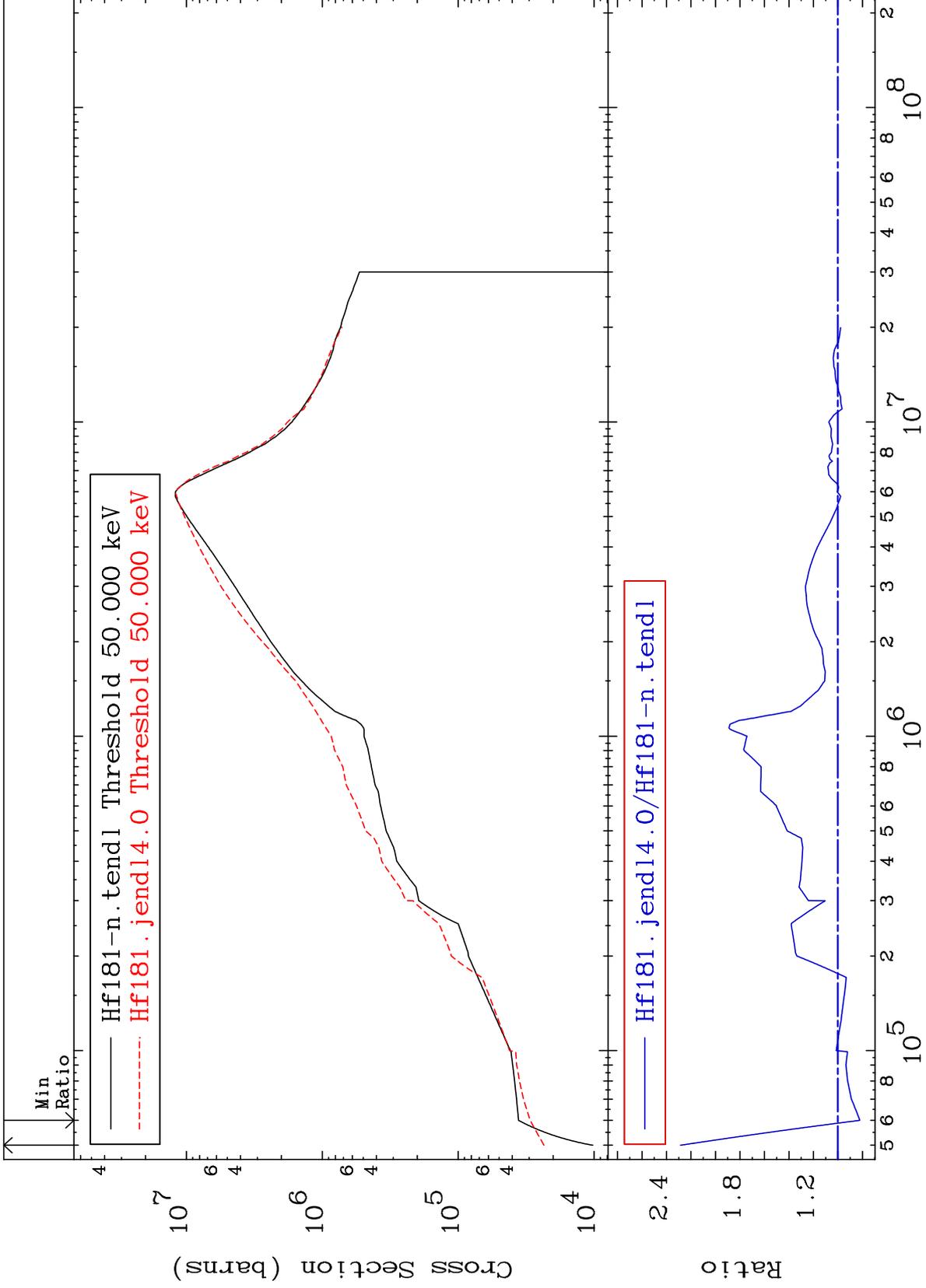
Kerma elastic
Cross Section

72-Hf-181
-99.27 To 6571. %



Cross Section

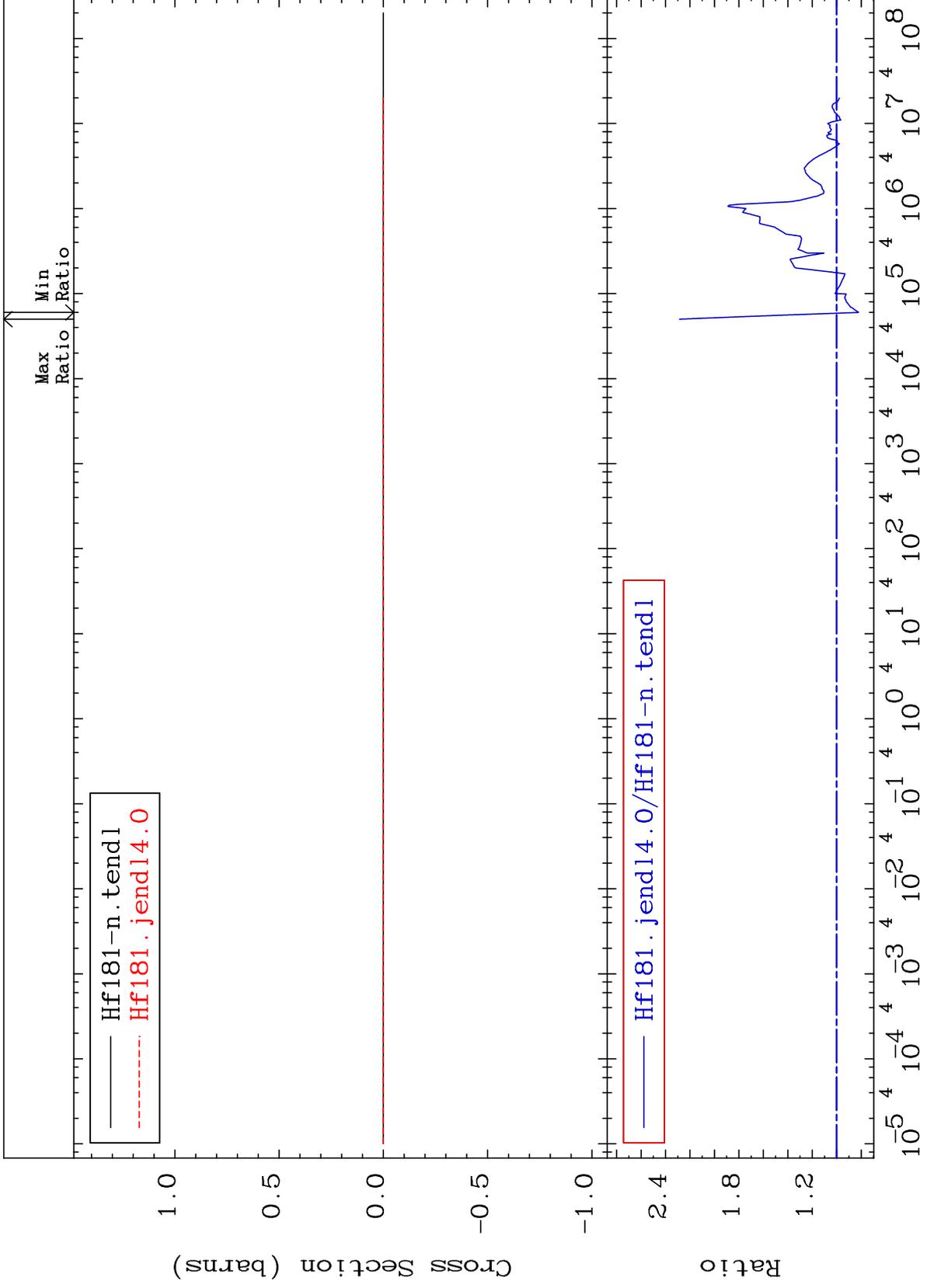


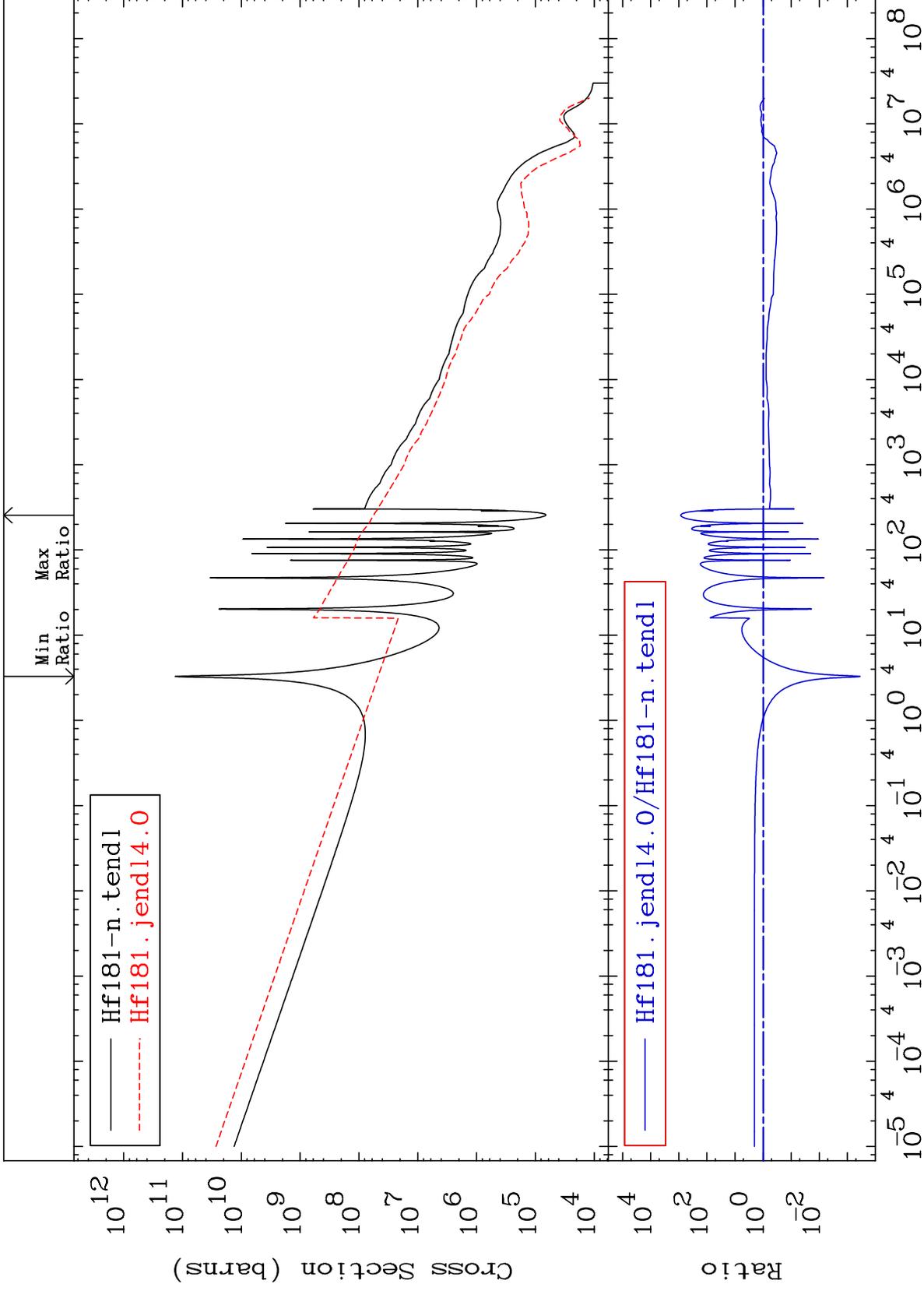


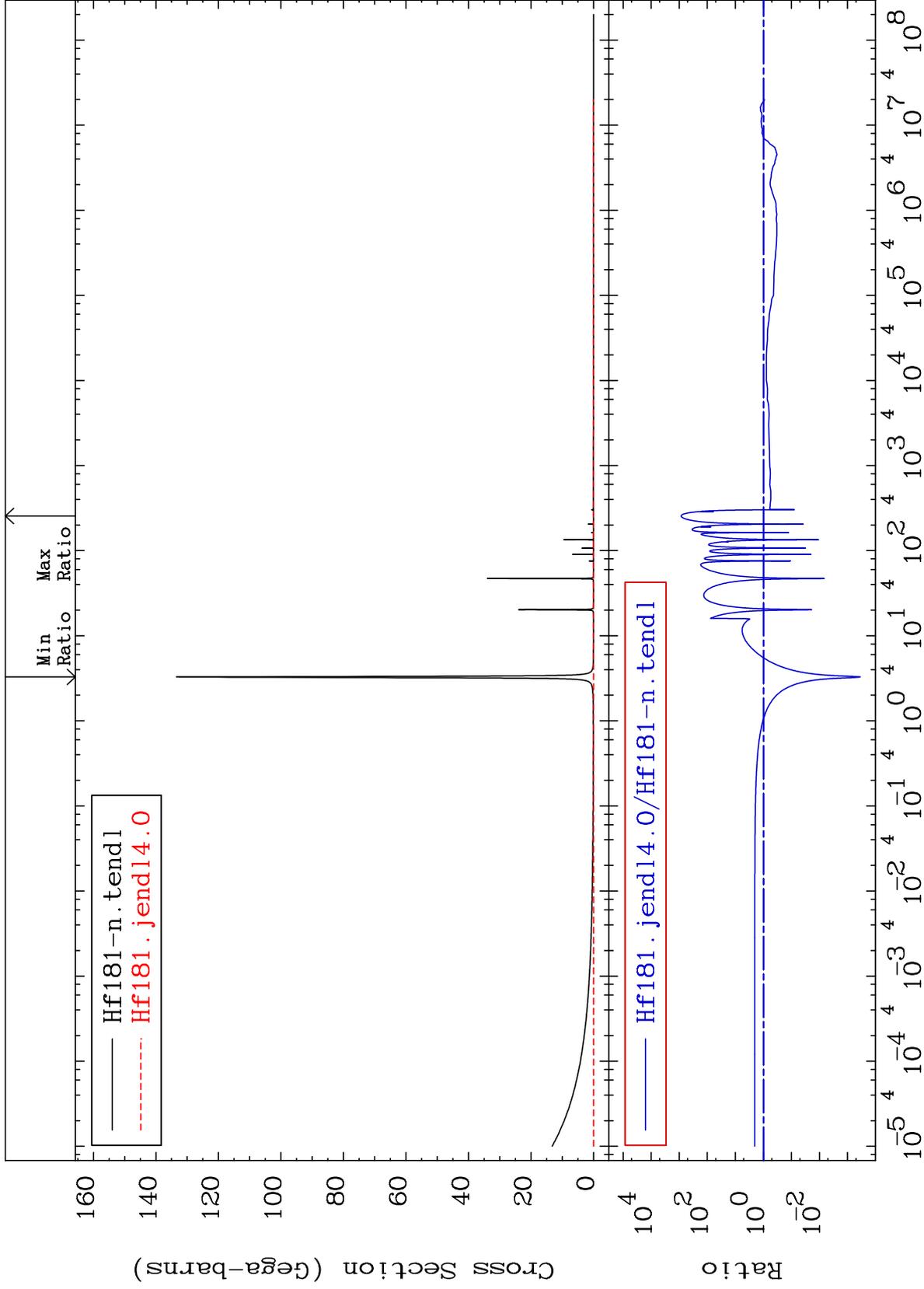
MAT 7246

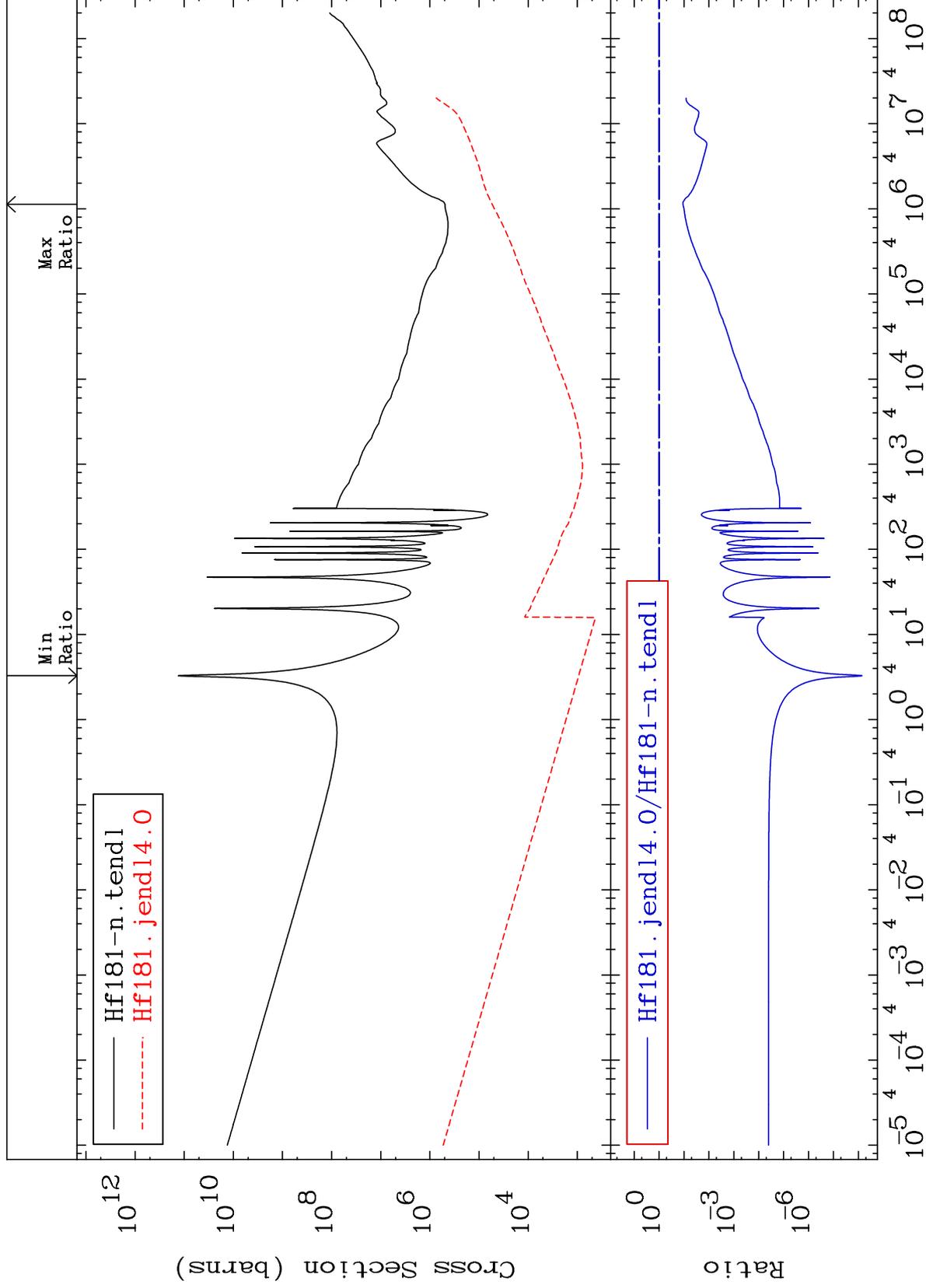
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

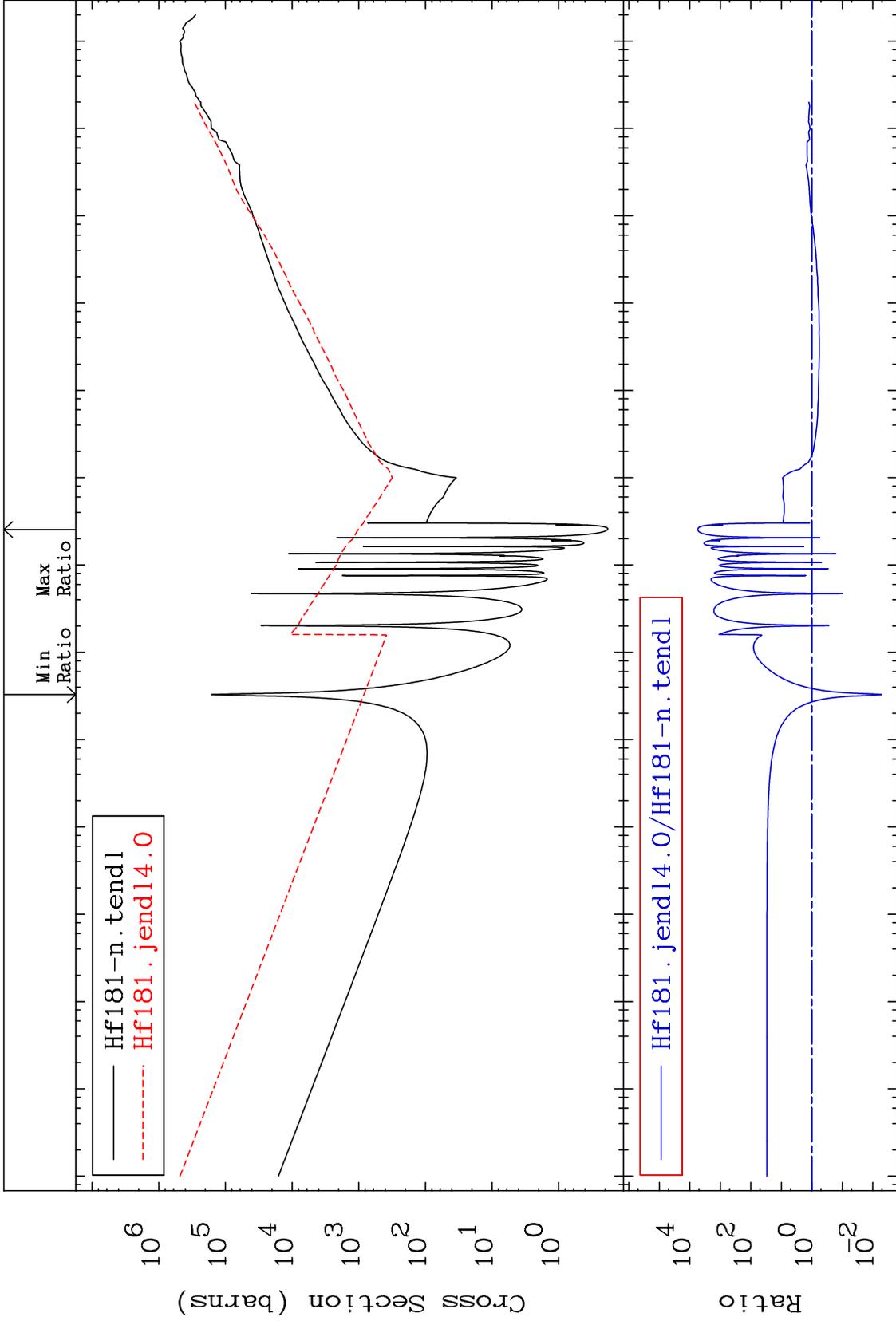
72-Hf-181
-17.87 To 128.5 %

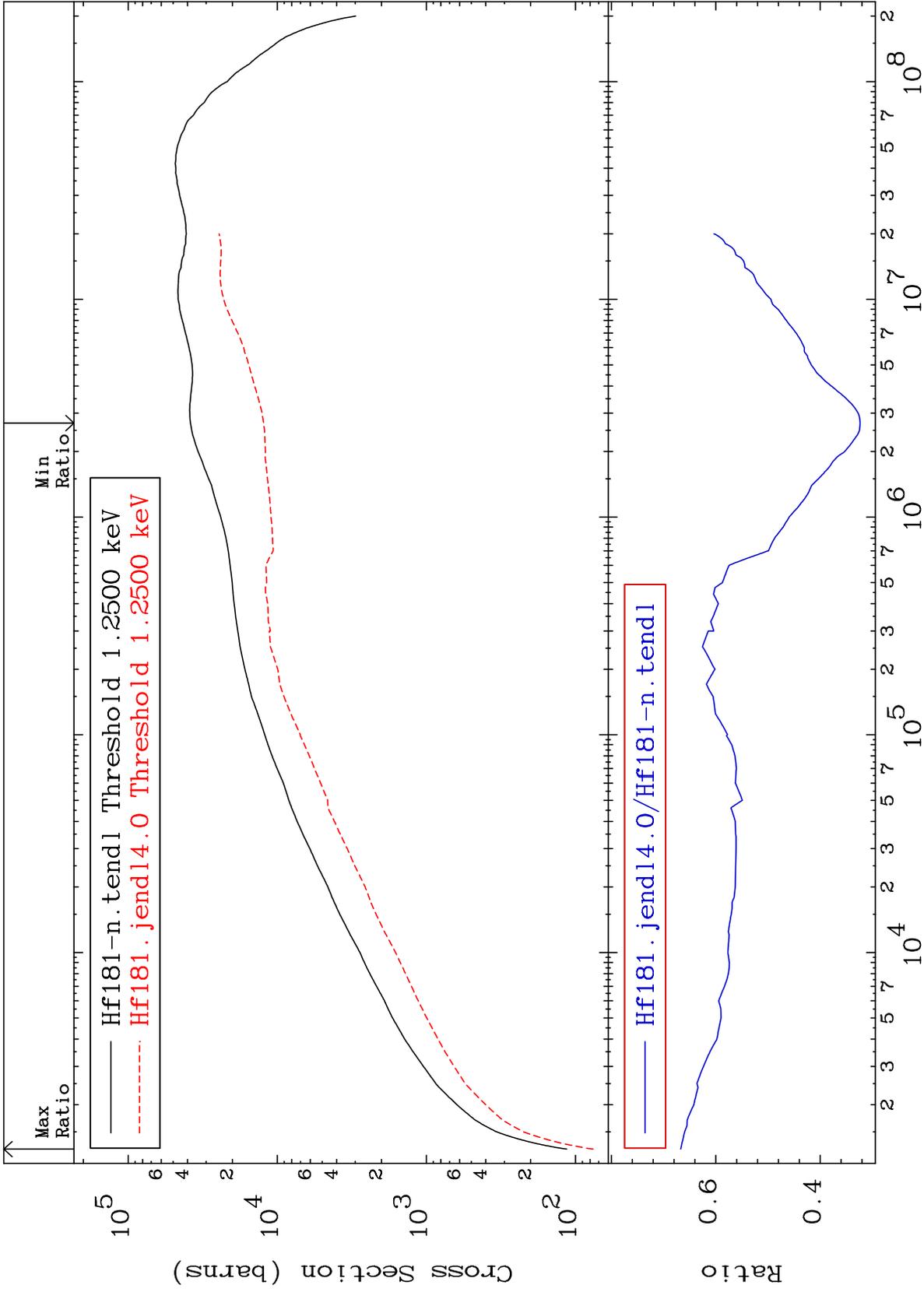








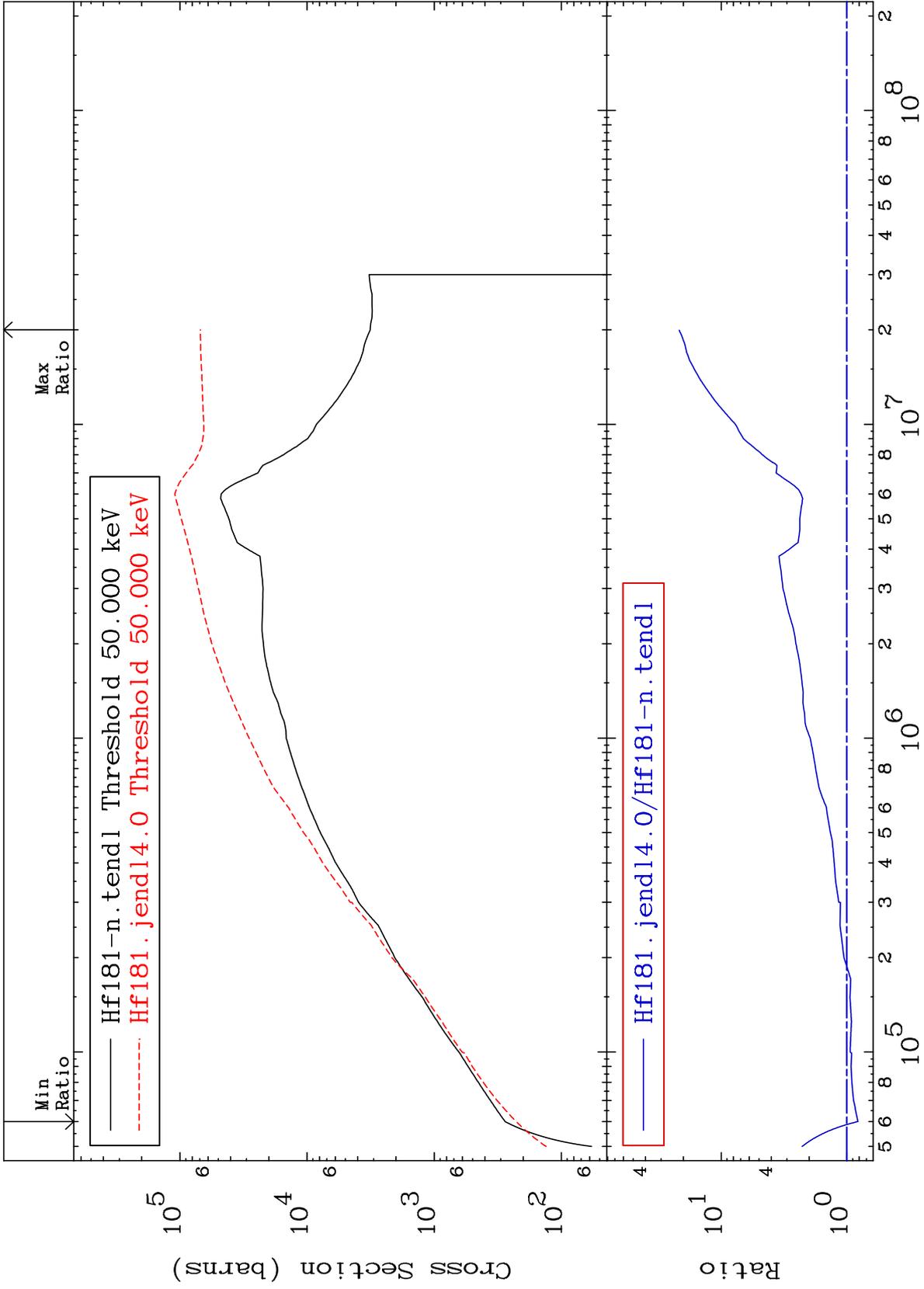


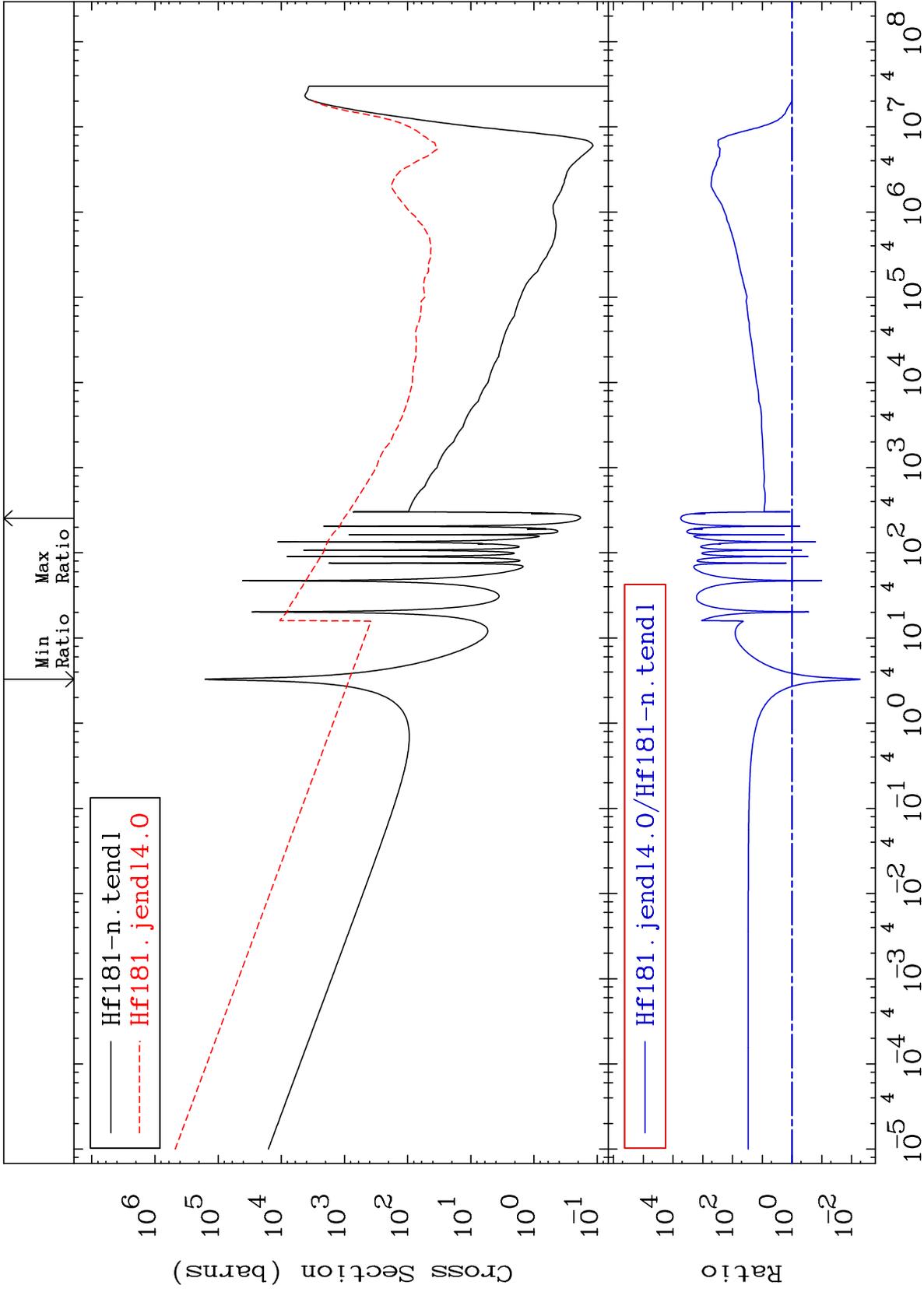


MAT 7246

Dpa inelastic (mt51-91)
Cross Section

72-Hf-181
-18.16 To 2063. %





Incident Energy (eV)