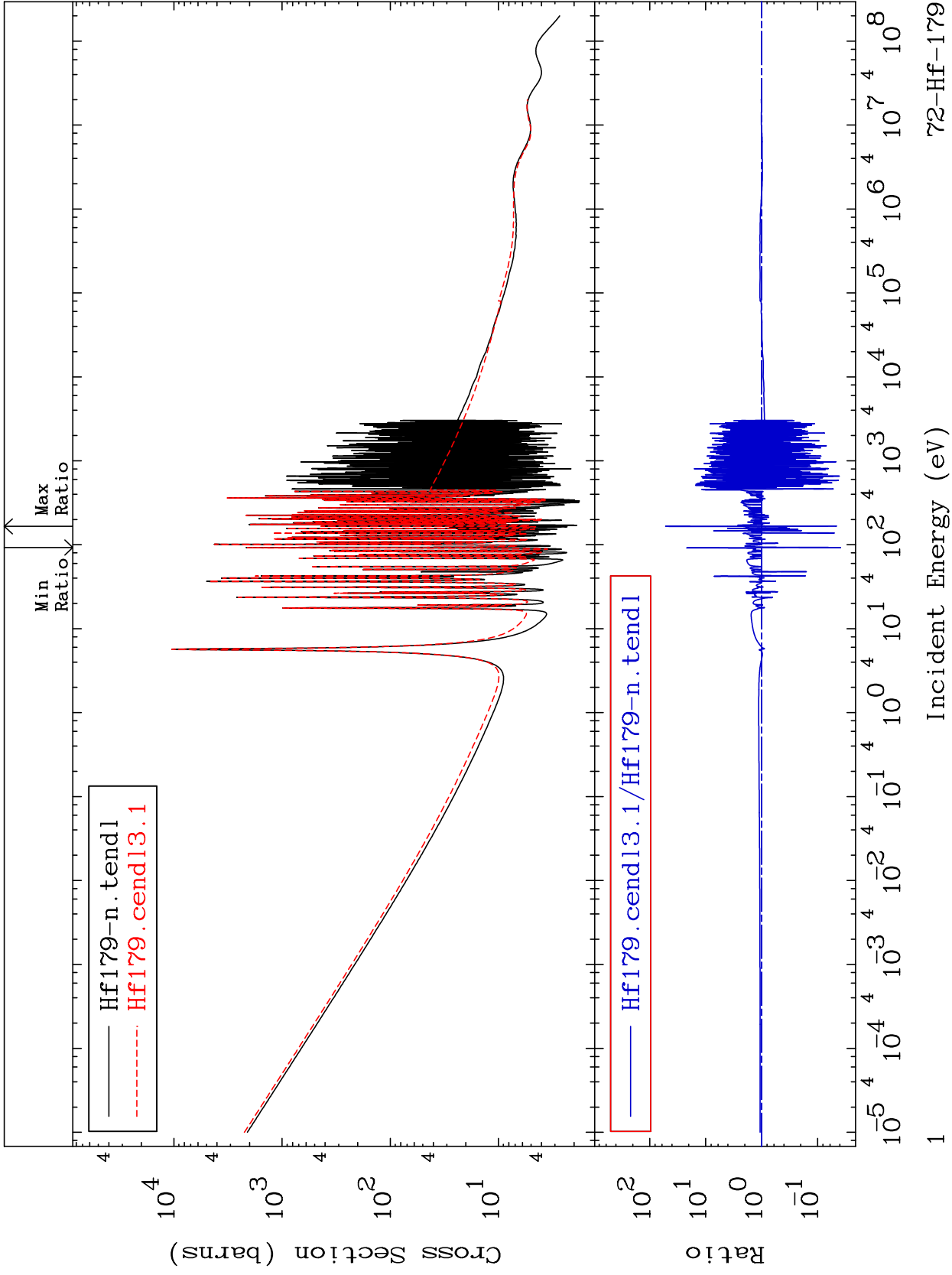


MAT 7240

Total
Cross Section

72-Hf-179
-96.13 To 5110. %



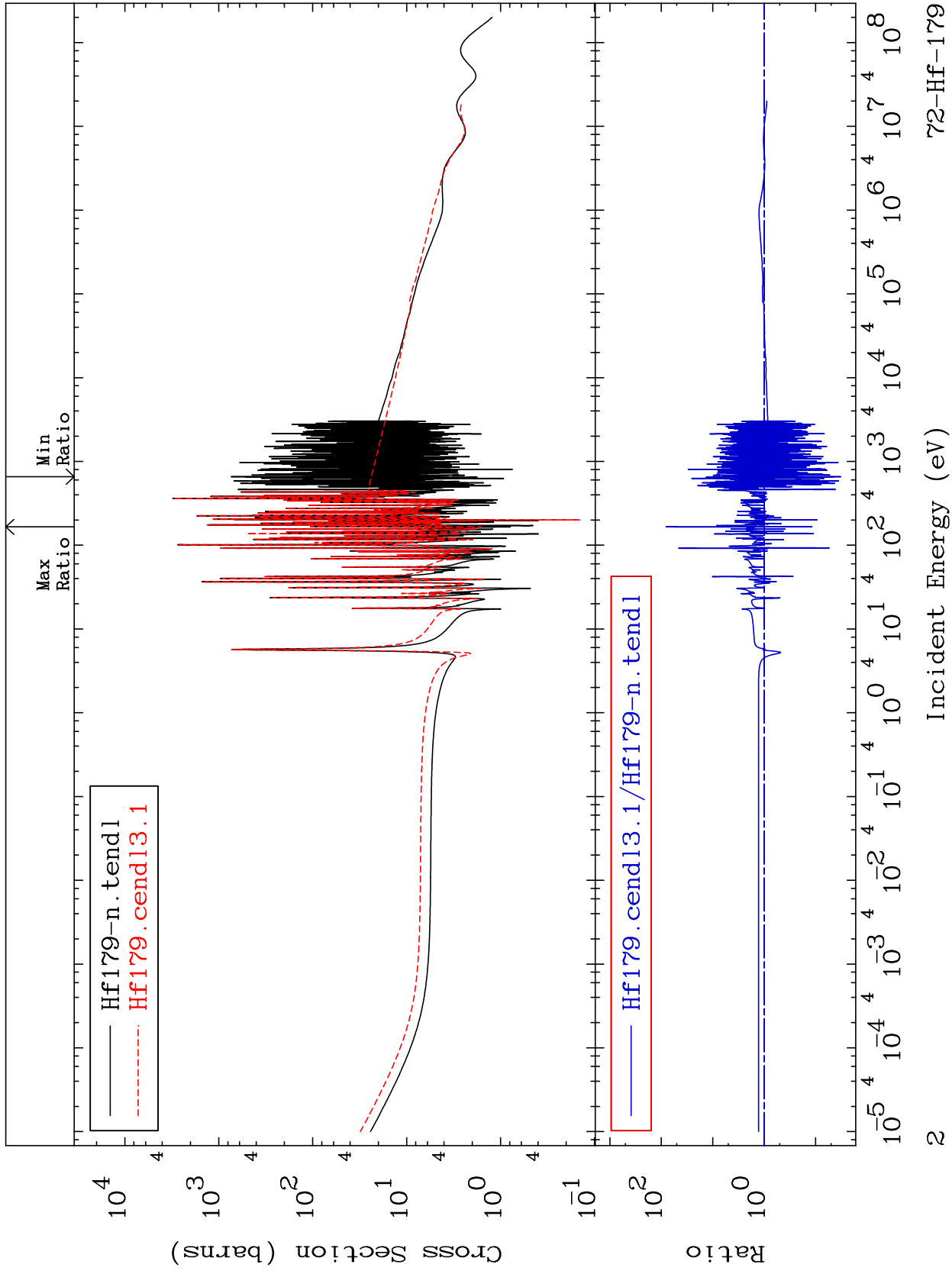
MAT 7240

Elastic

72-Hf-179

Cross Section

-96.77 To 8021. %



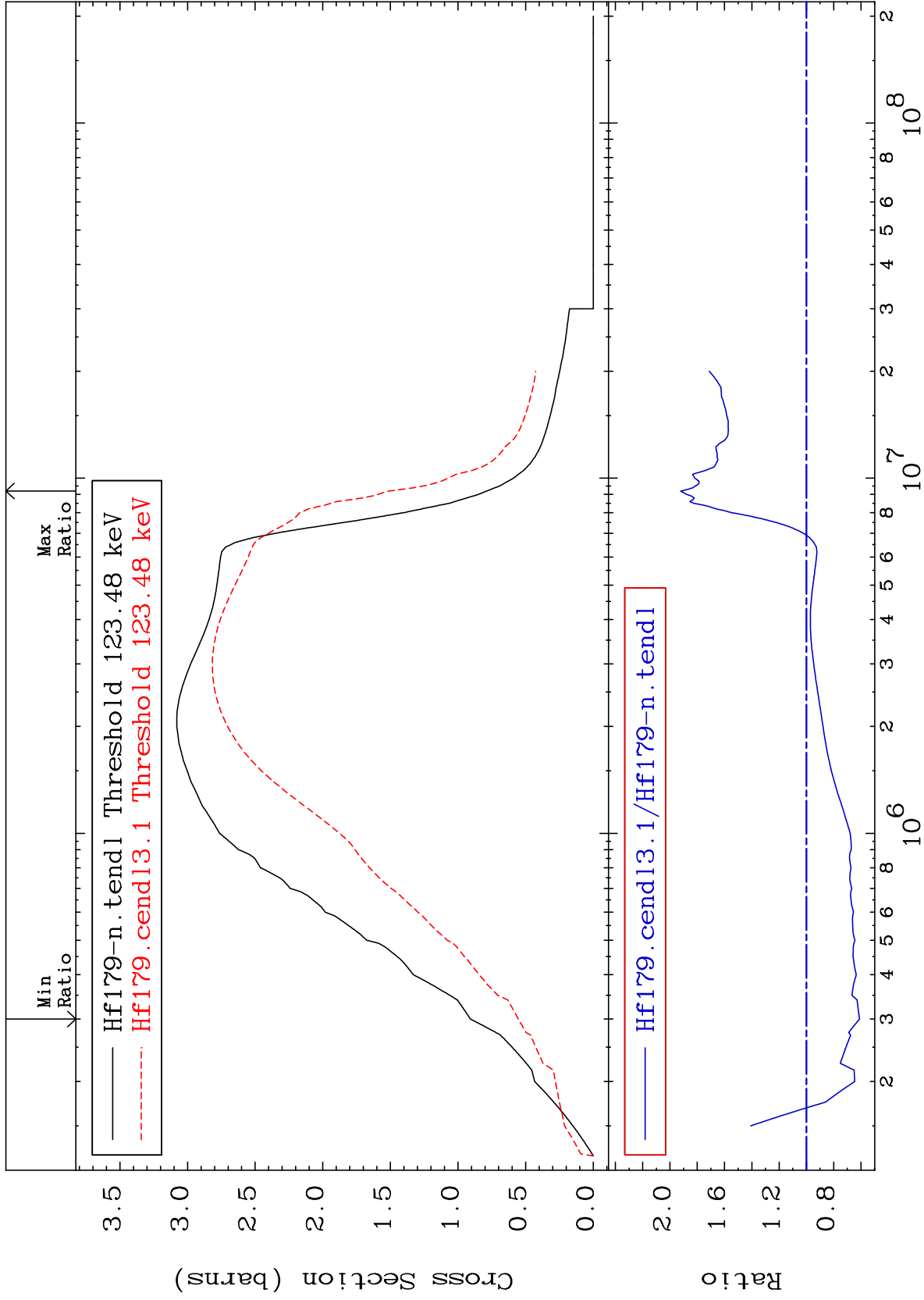
2

Incident Energy (eV)

72-Hf-179

MAT 7240

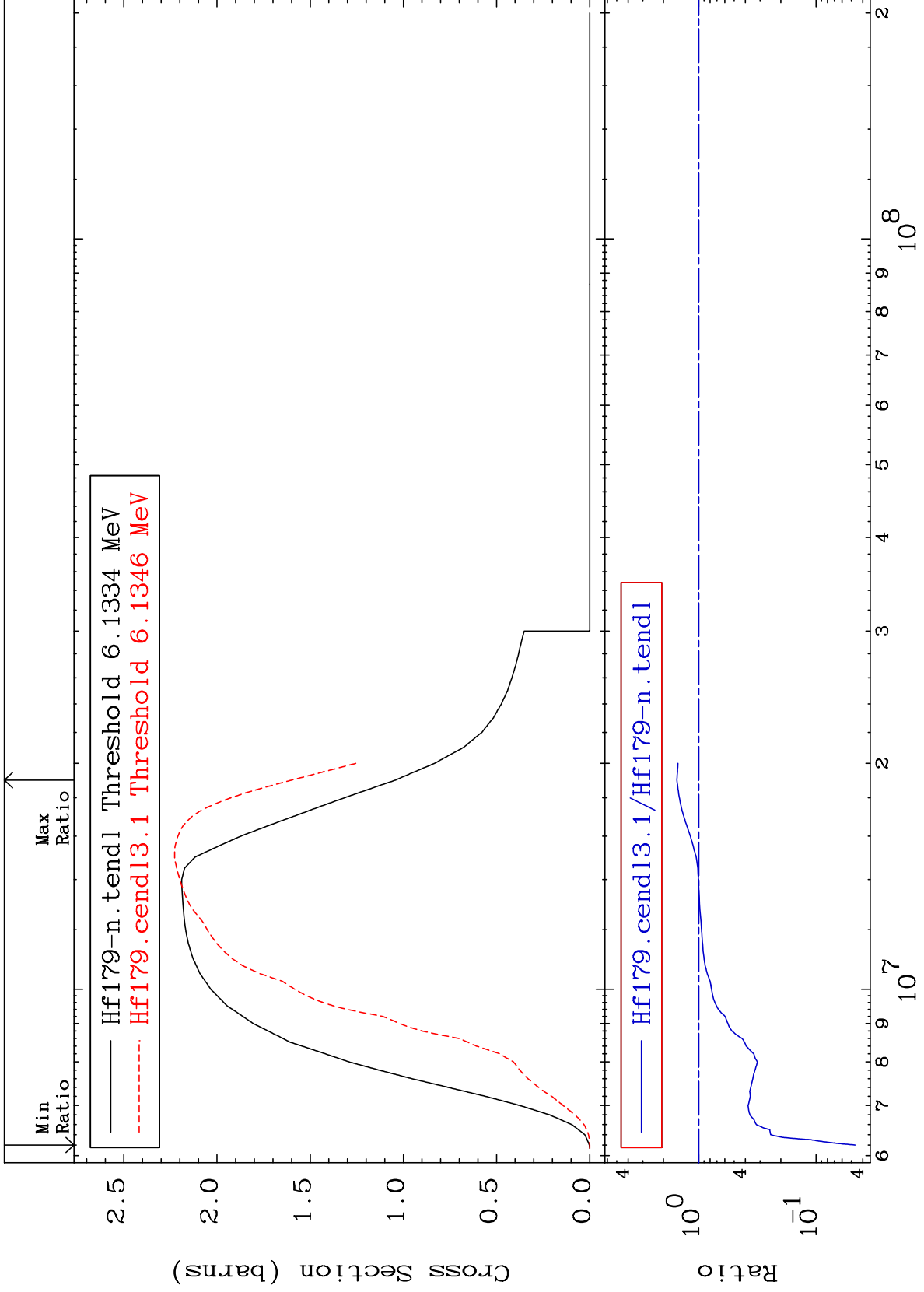
Inelastic Cross Section
72-Hf-179
-38.99 To 92.09 %



MAT 7240

(n,2n)
Cross Section

72-Hf-179
-95.35 To 53.46 %



4

Incident Energy (eV)

72-Hf-179

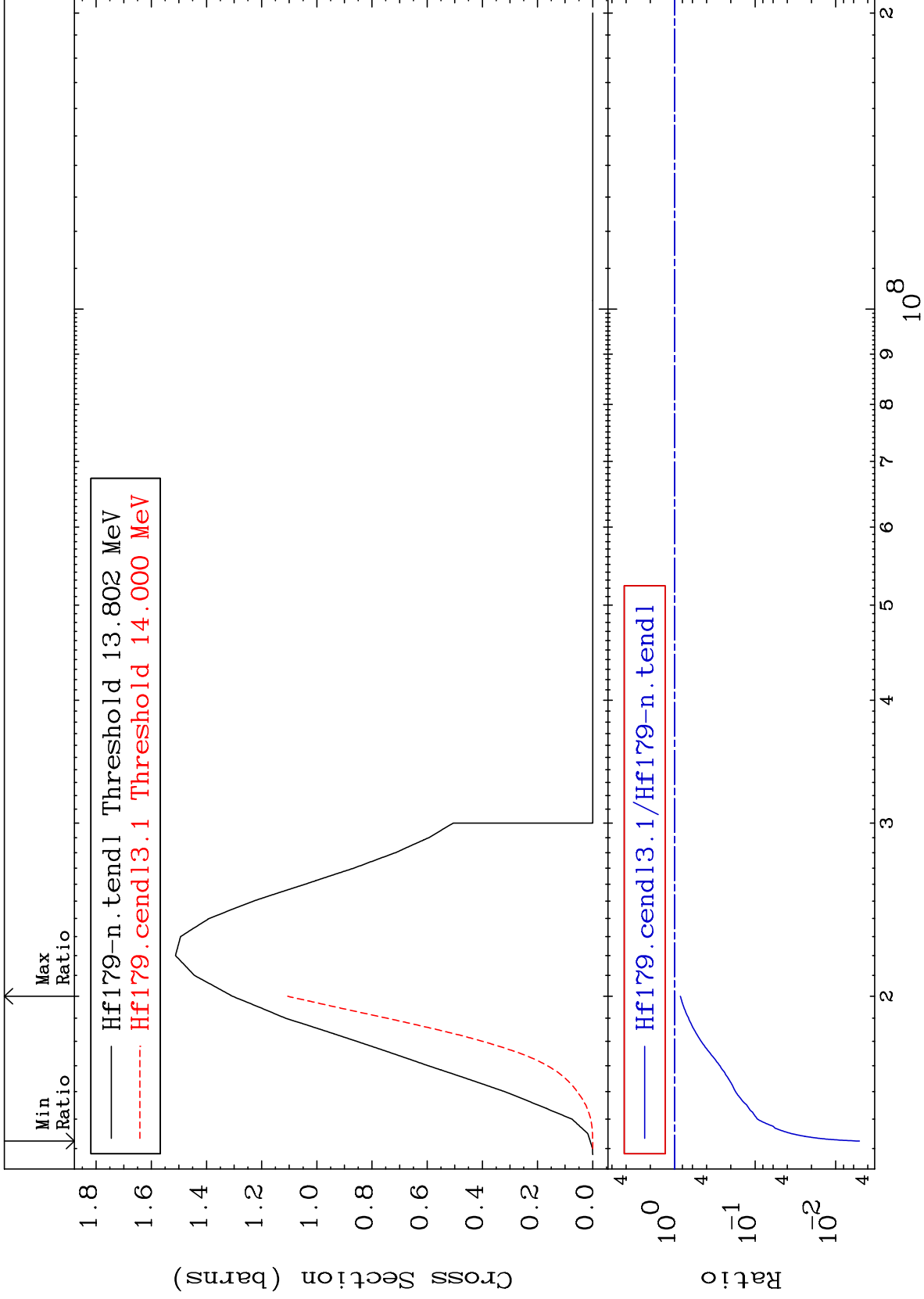
MAT 7240

(n,3n)

72-Hf-179

Cross Section

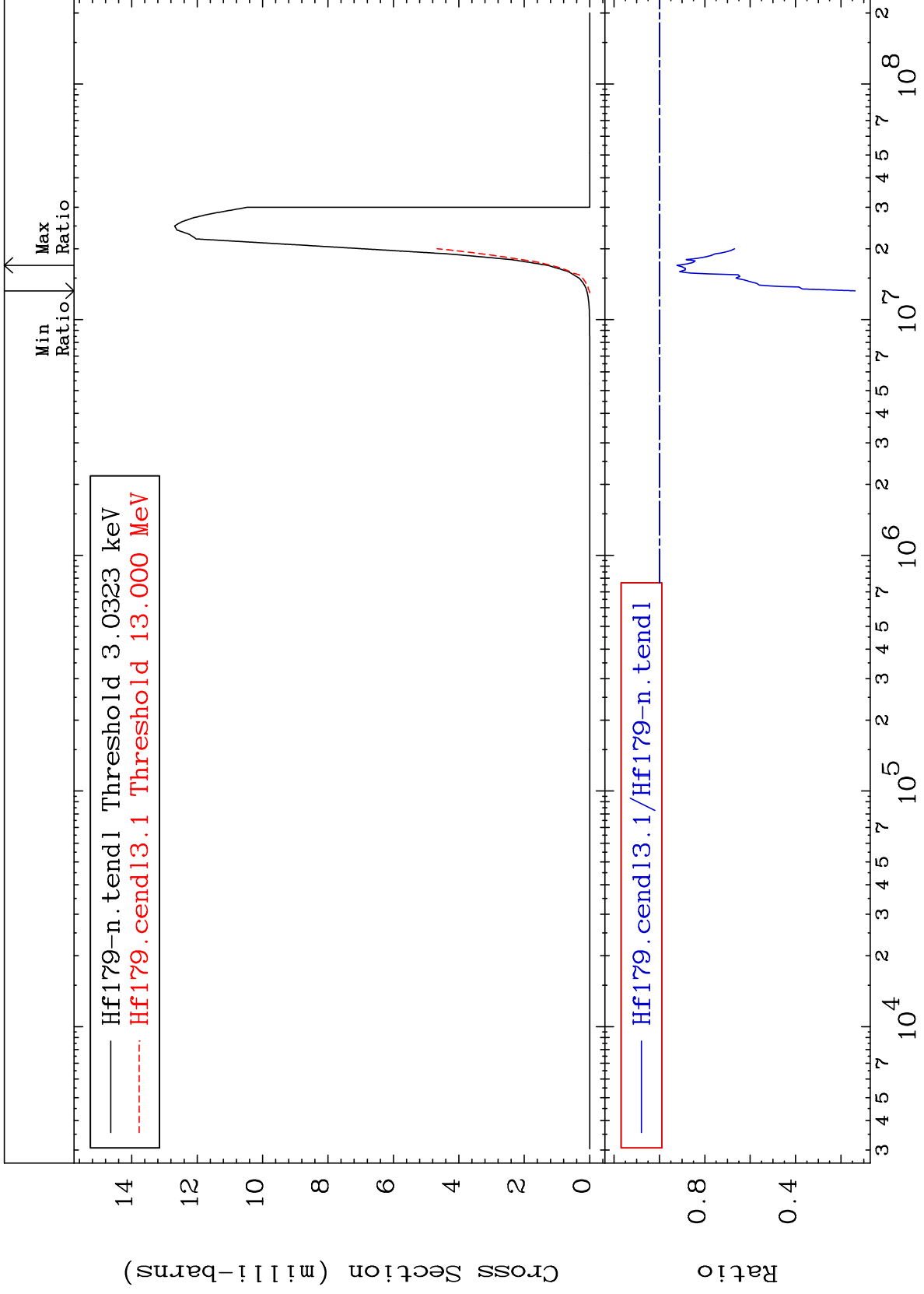
-99.49 To -15.30%



MAT 7240

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

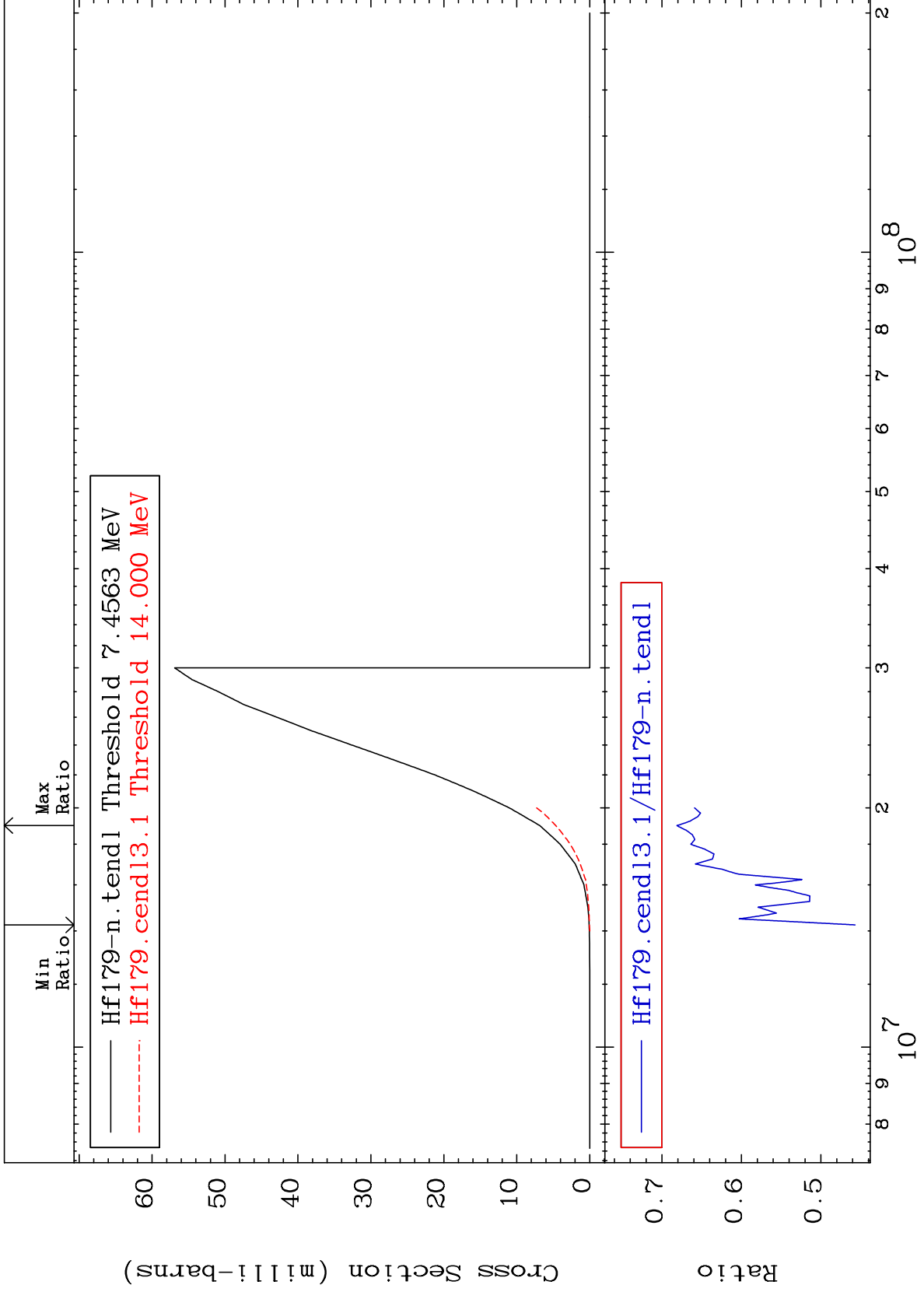
72-Hf-179
-86.20 To -7.714%



MAT 7240

(n,n') p
Cross Section

72-Hf-179
-54.30 To -31.88%



7

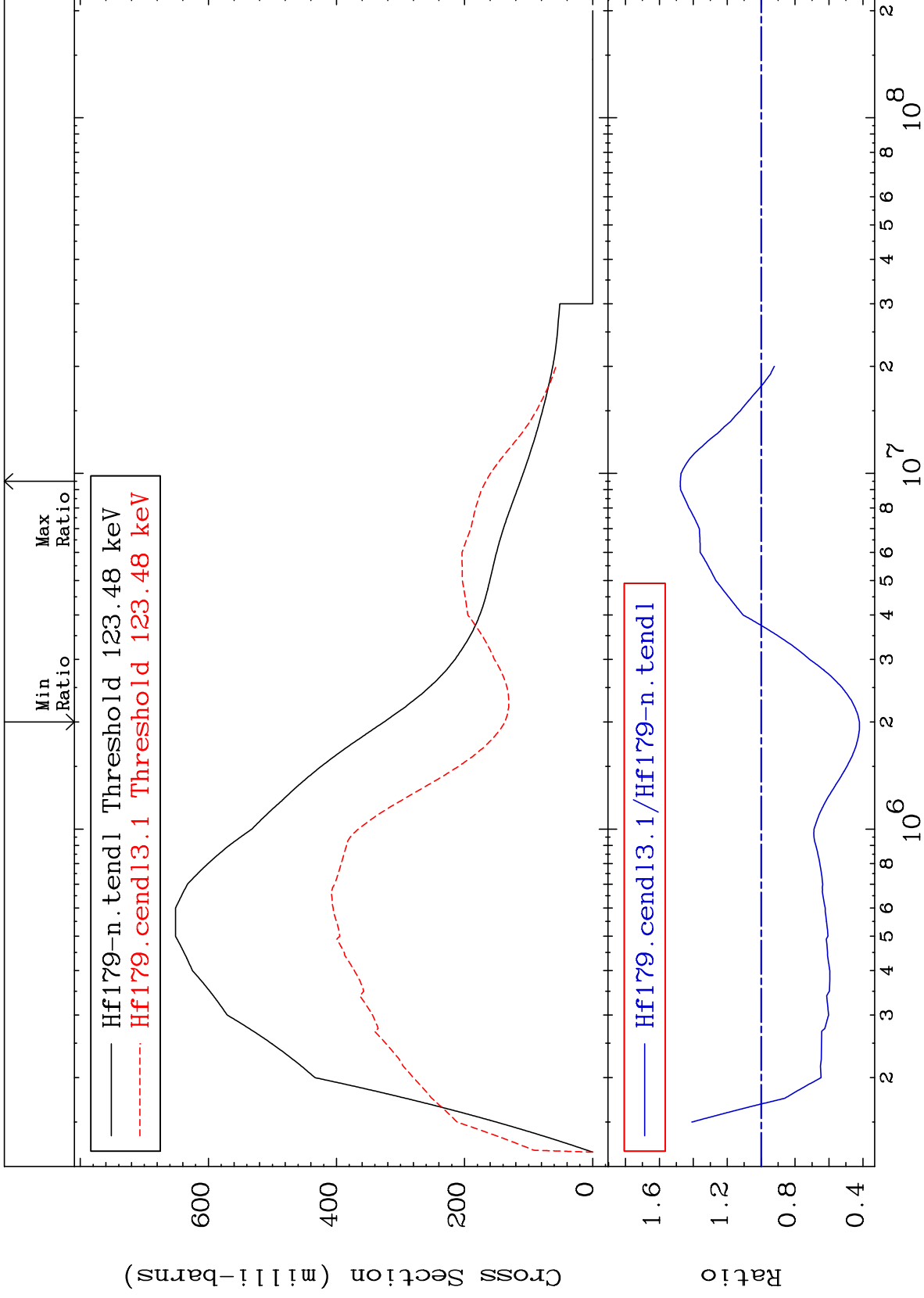
Incident Energy (eV)

72-Hf-179

MAT 7240

122.8 keV (n,n') Level
Cross Section

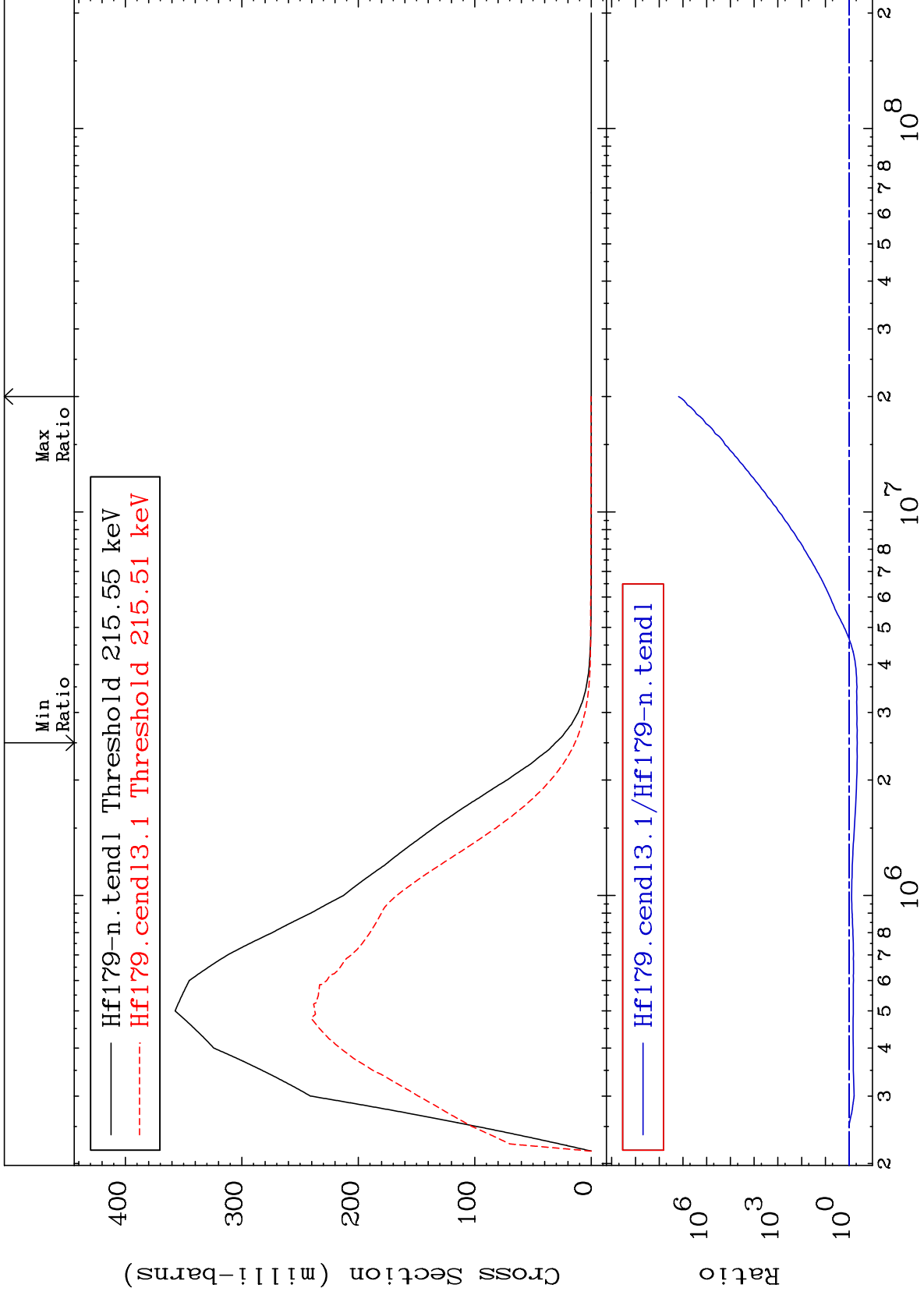
72-Hf-179
-57.97 To 47.62 %



MAT 7240

214.3 keV (n,n') Level
Cross Section

72-Hf-179
-54.52 To 9999. %



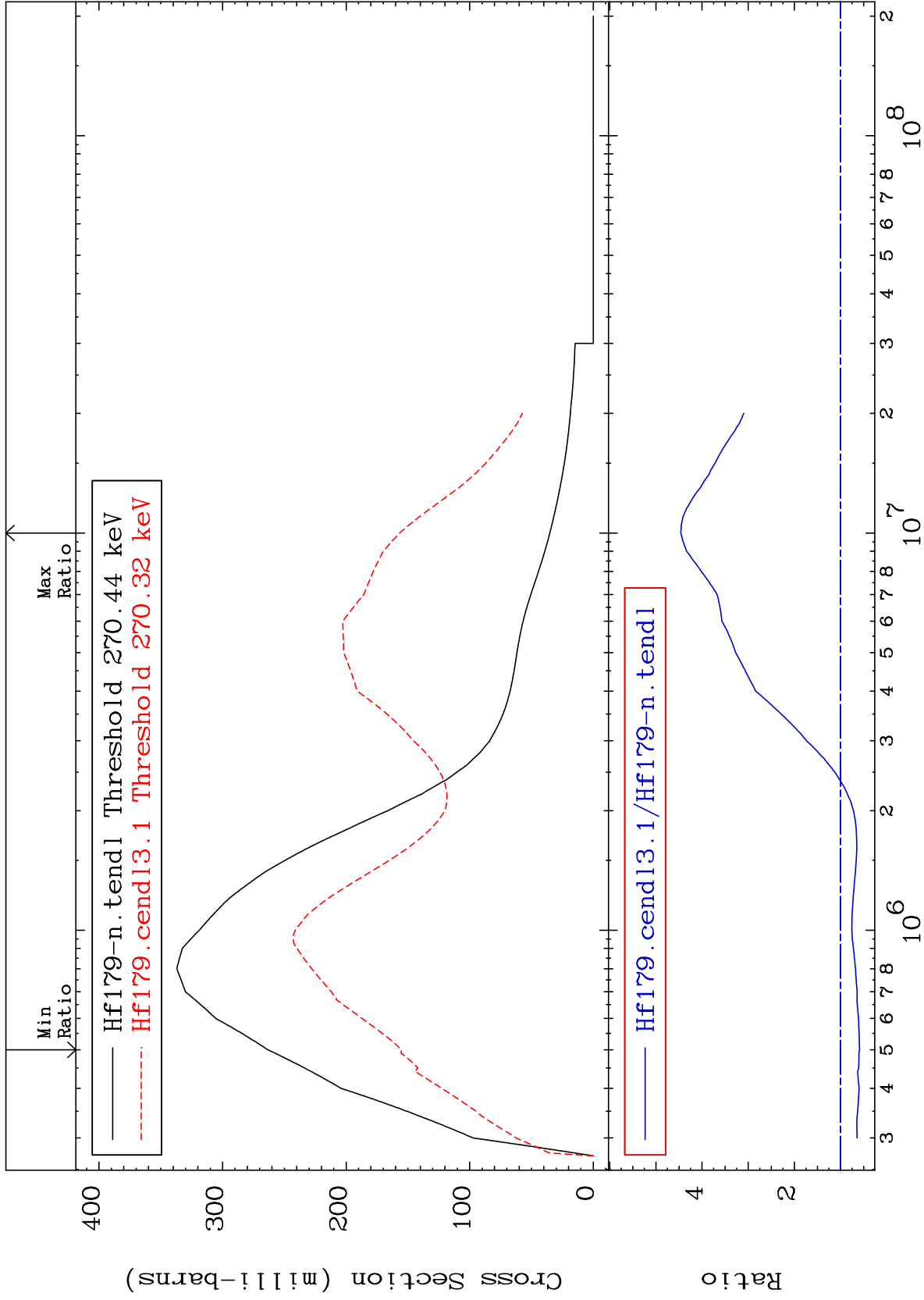
MAT 7240

268.9 keV (n,n') Level

⁷²Hf-179

-41.05 To 346.1 %

Cross Section



10

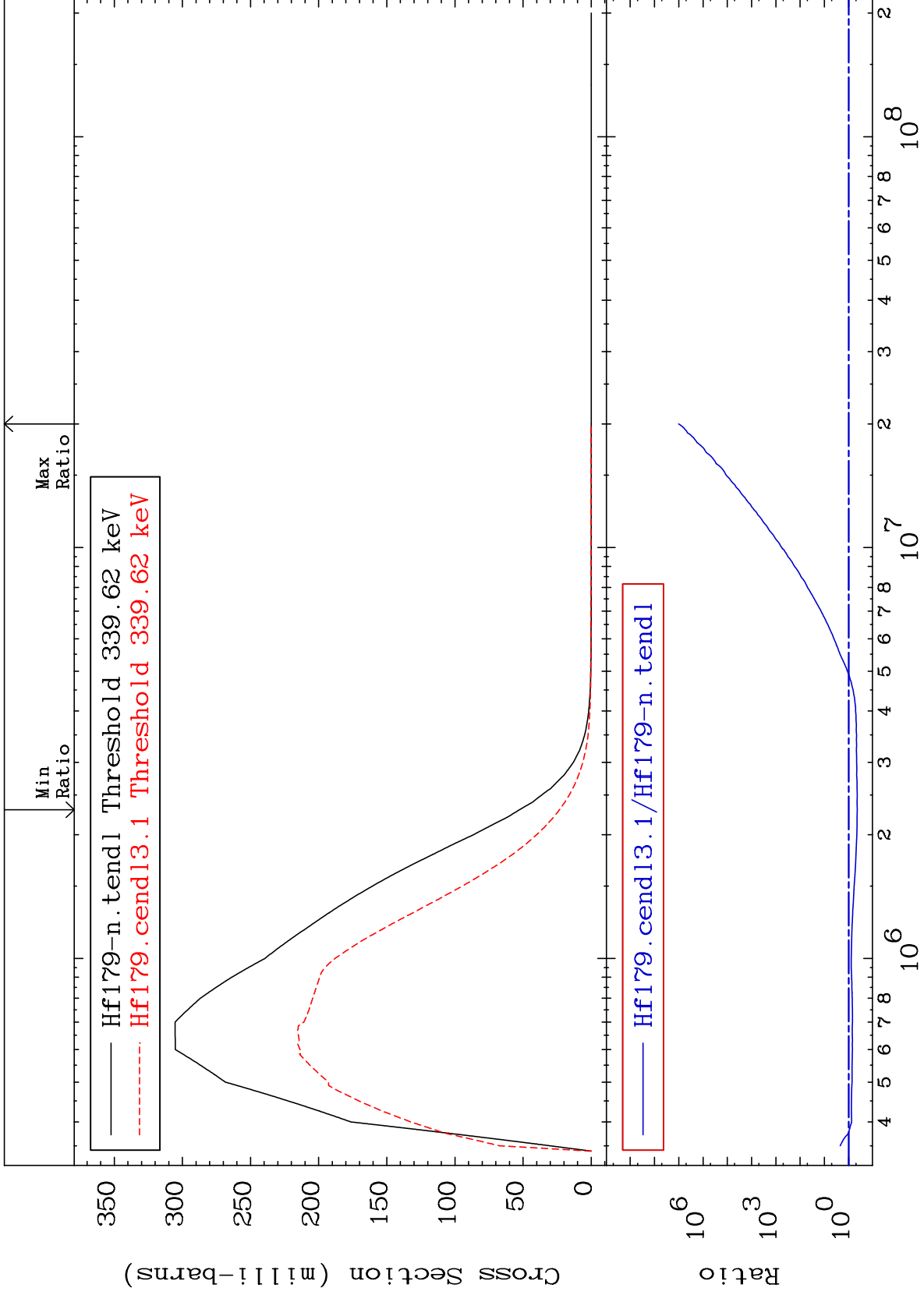
Incident Energy (eV)

⁷²Hf-179

MAT 7240

337.7 keV (n,n') Level
Cross Section

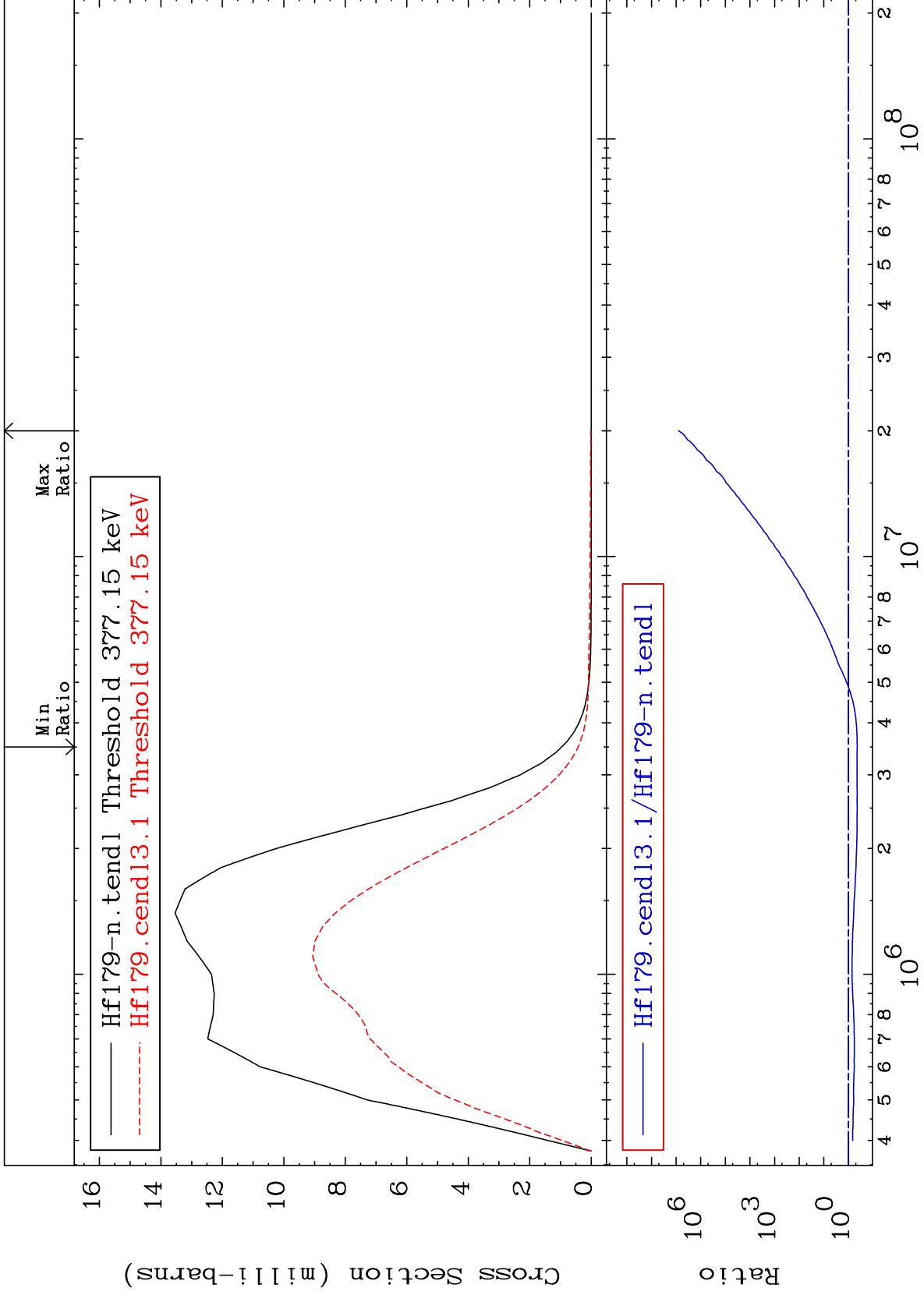
72-Hf-179
-55.83 To 9999. %



MAT 7240

375.0 keV (n,n') Level
Cross Section

72-Hf-179
-56.03 To 9999. %



12

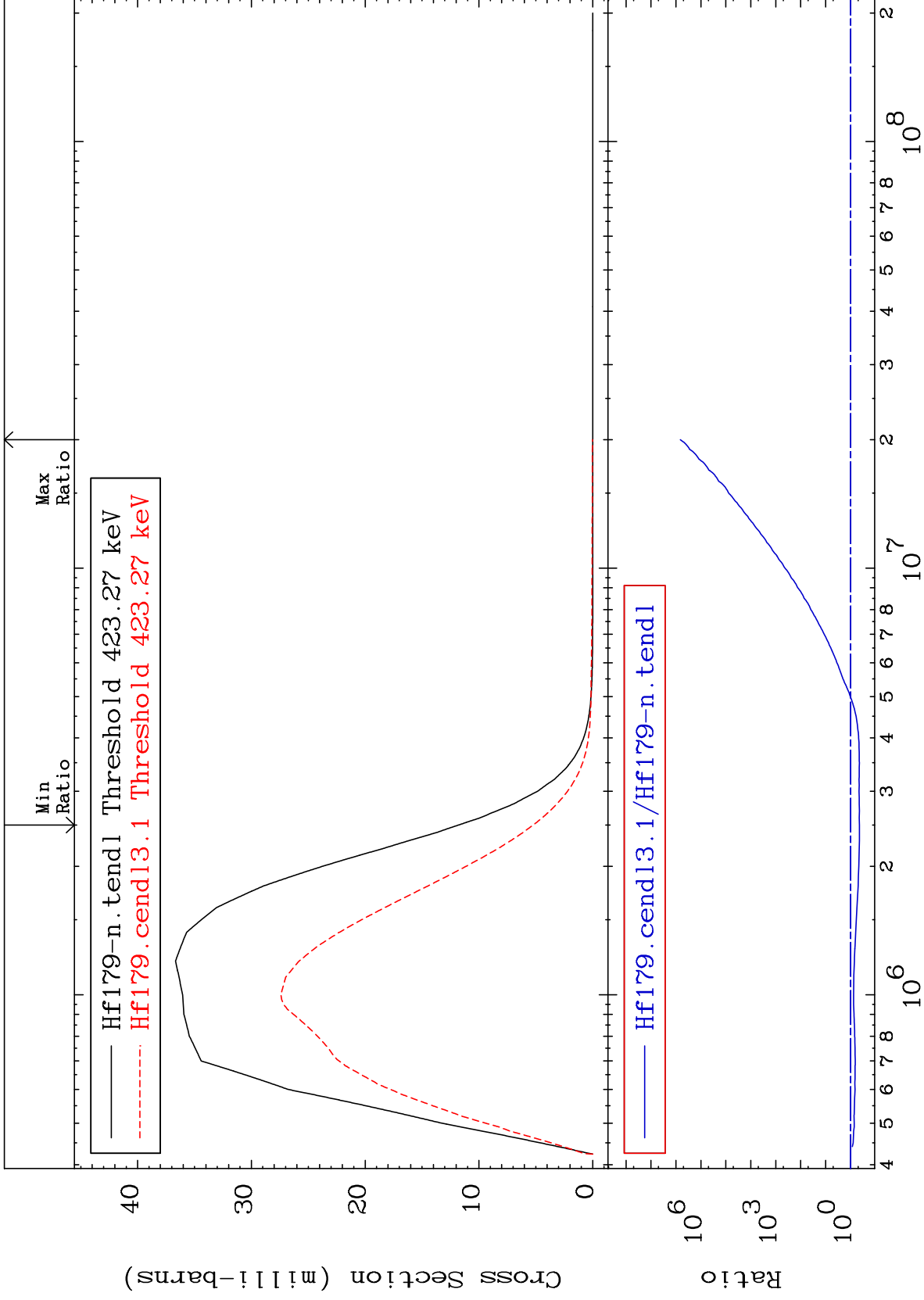
Incident Energy (eV)

72-Hf-179

MAT 7240

420.9 keV (n,n') Level
Cross Section

72-Hf-179
-55.77 To 9999. %



13

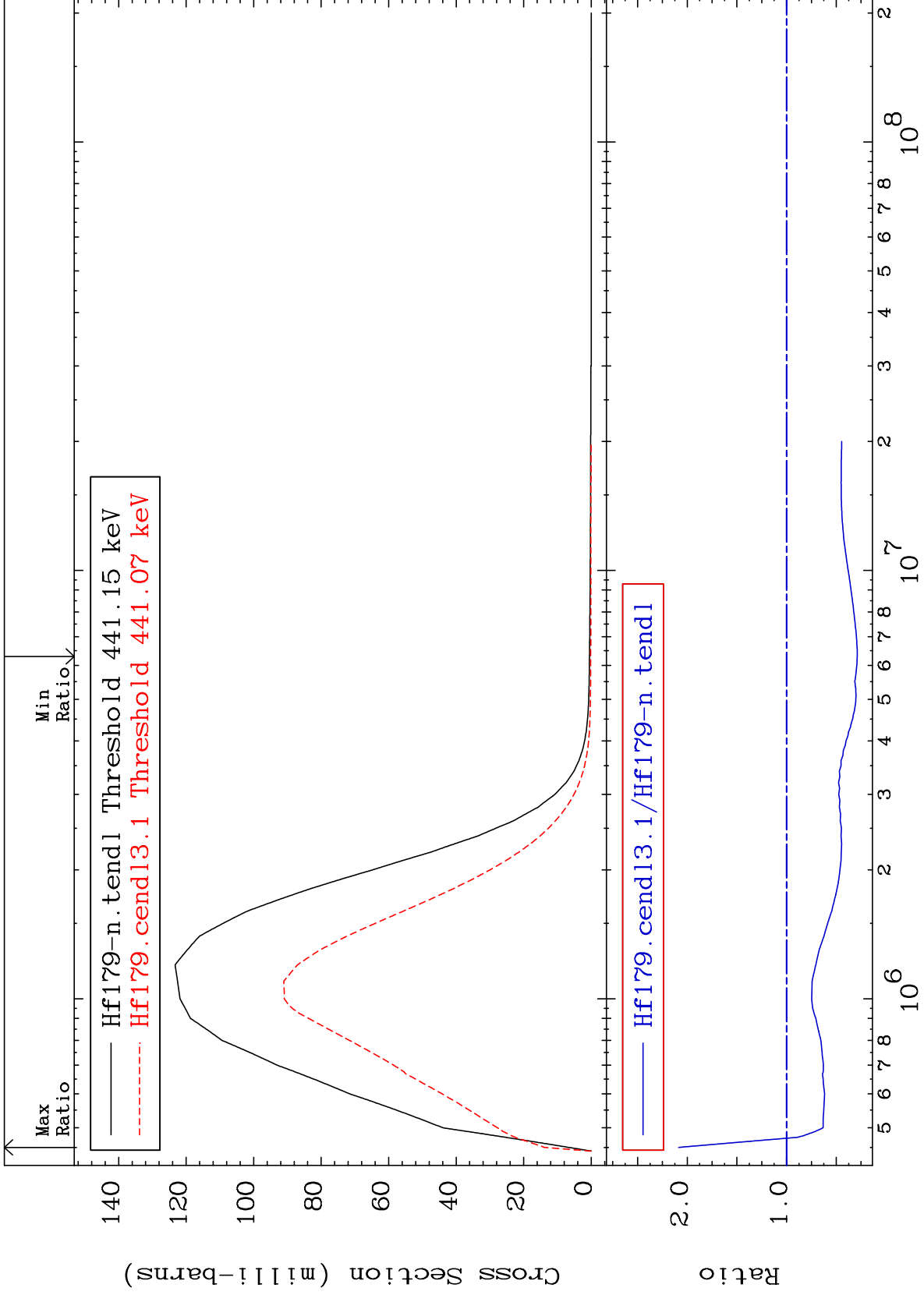
Incident Energy (eV)

72-Hf-179

MAT 7240

438.7 keV (n,n') Level
Cross Section

⁷²Hf-179
-71.16 To 108.7 %



14

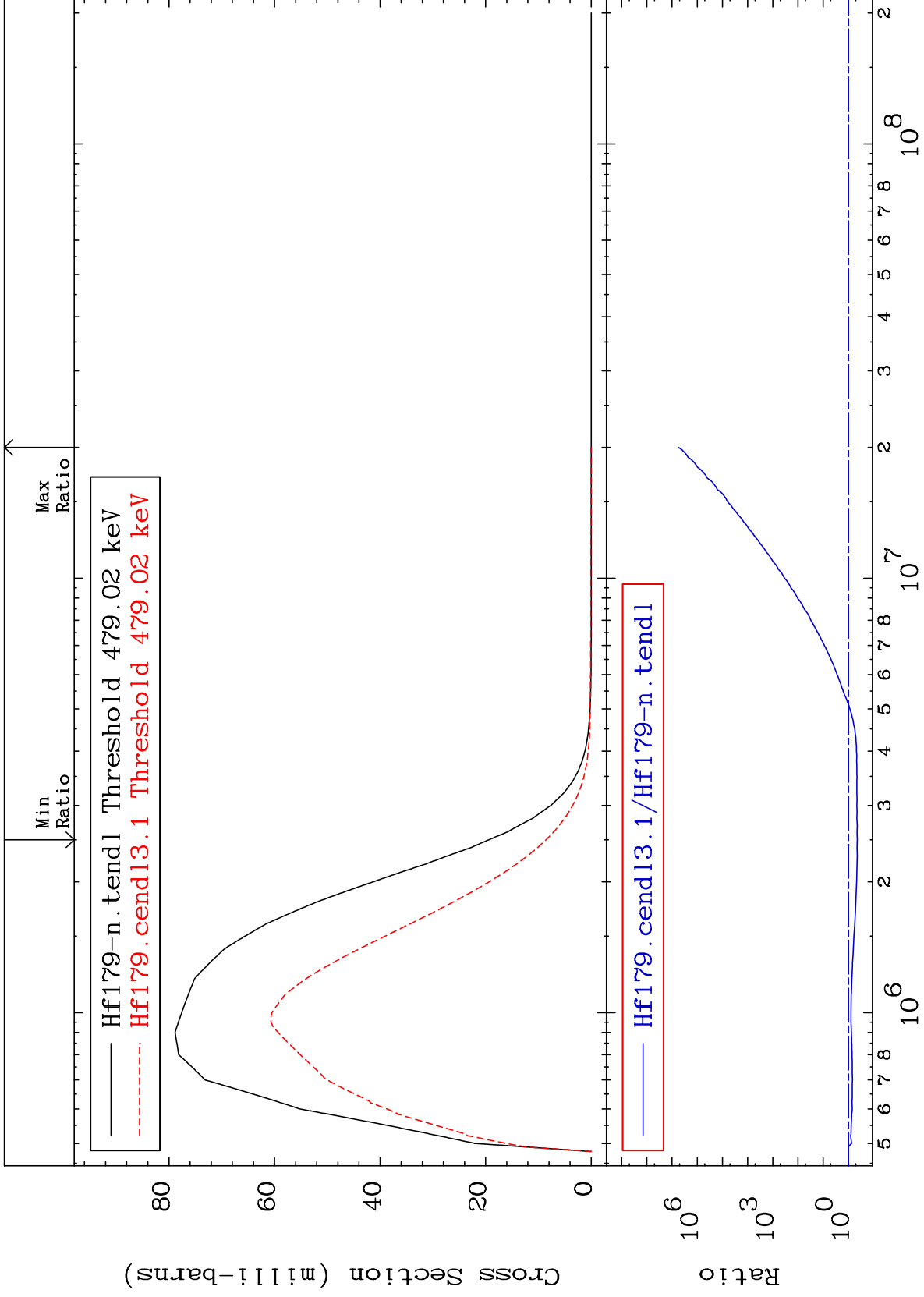
Incident Energy (eV)

⁷²Hf-179

MAT 7240

476.3 keV (n,n') Level
Cross Section

72-Hf-179
-55.92 To 9999. %



15

Incident Energy (eV)

72-Hf-179

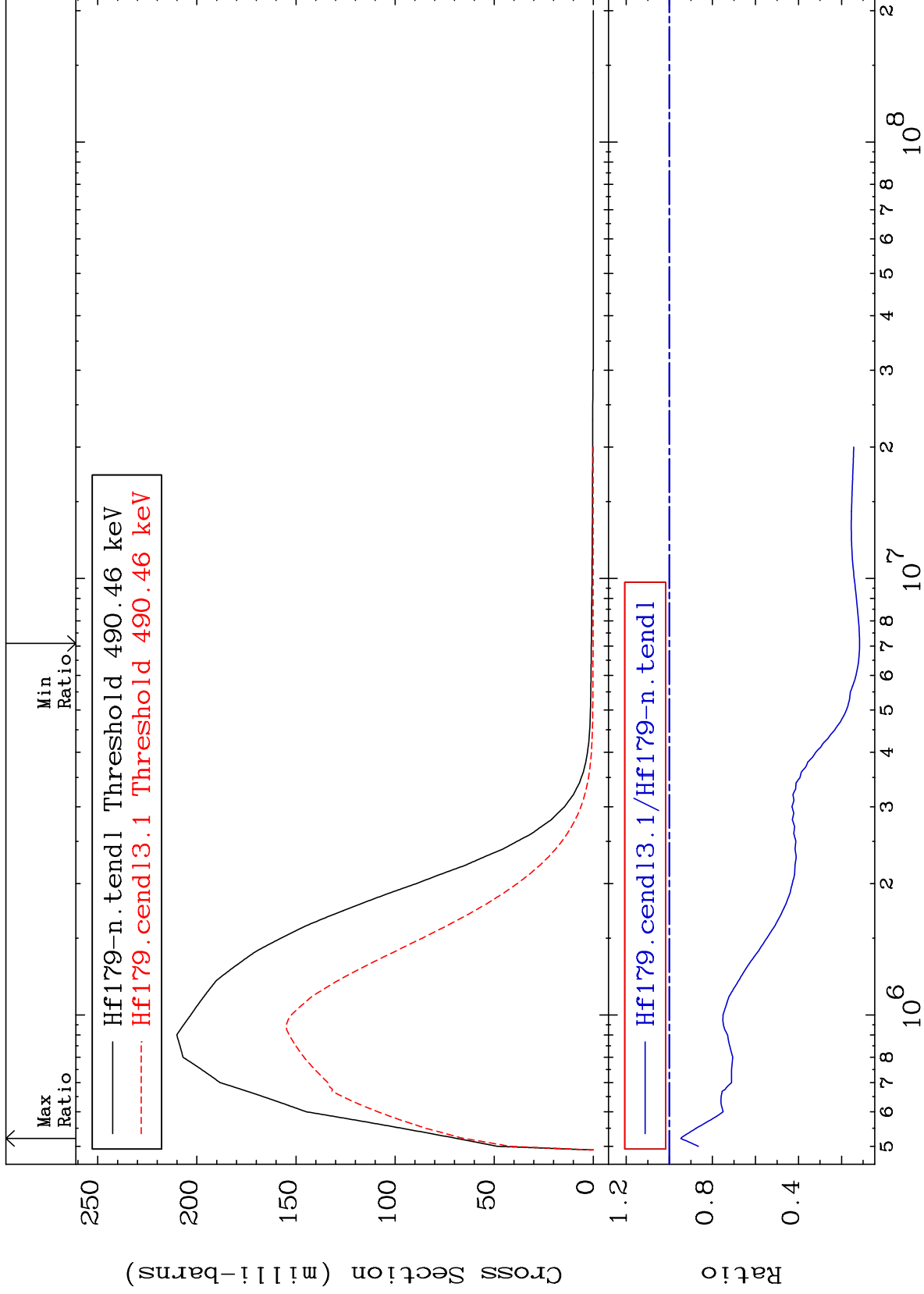
MAT 7240

487.7 keV (n,n') Level

72-Hf-179

Cross Section

-88.32 To -5.309%



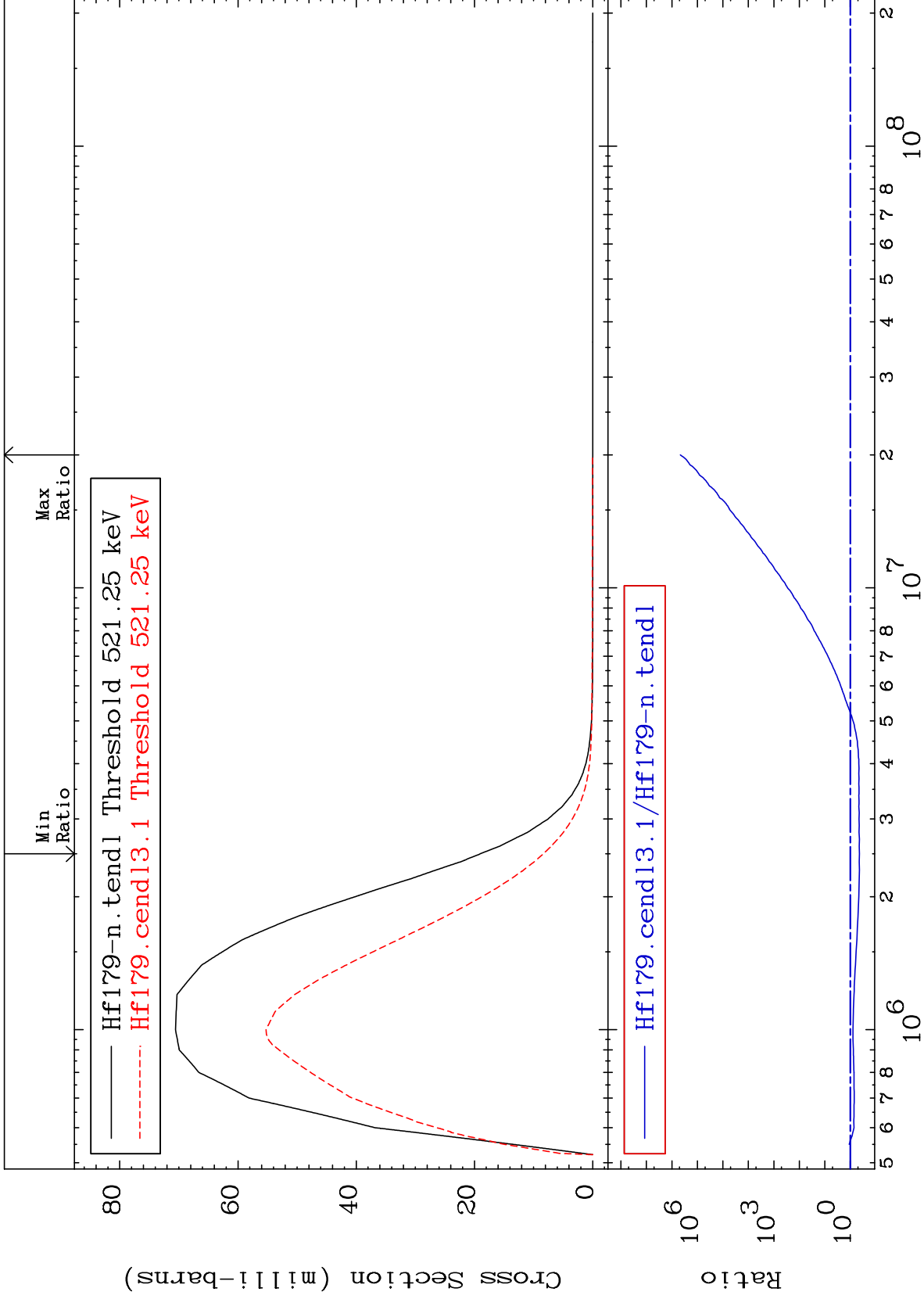
16

72-Hf-179

MAT 7240

518.3 keV (n,n') Level
Cross Section

72-Hf-179
-56.16 To 9999. %



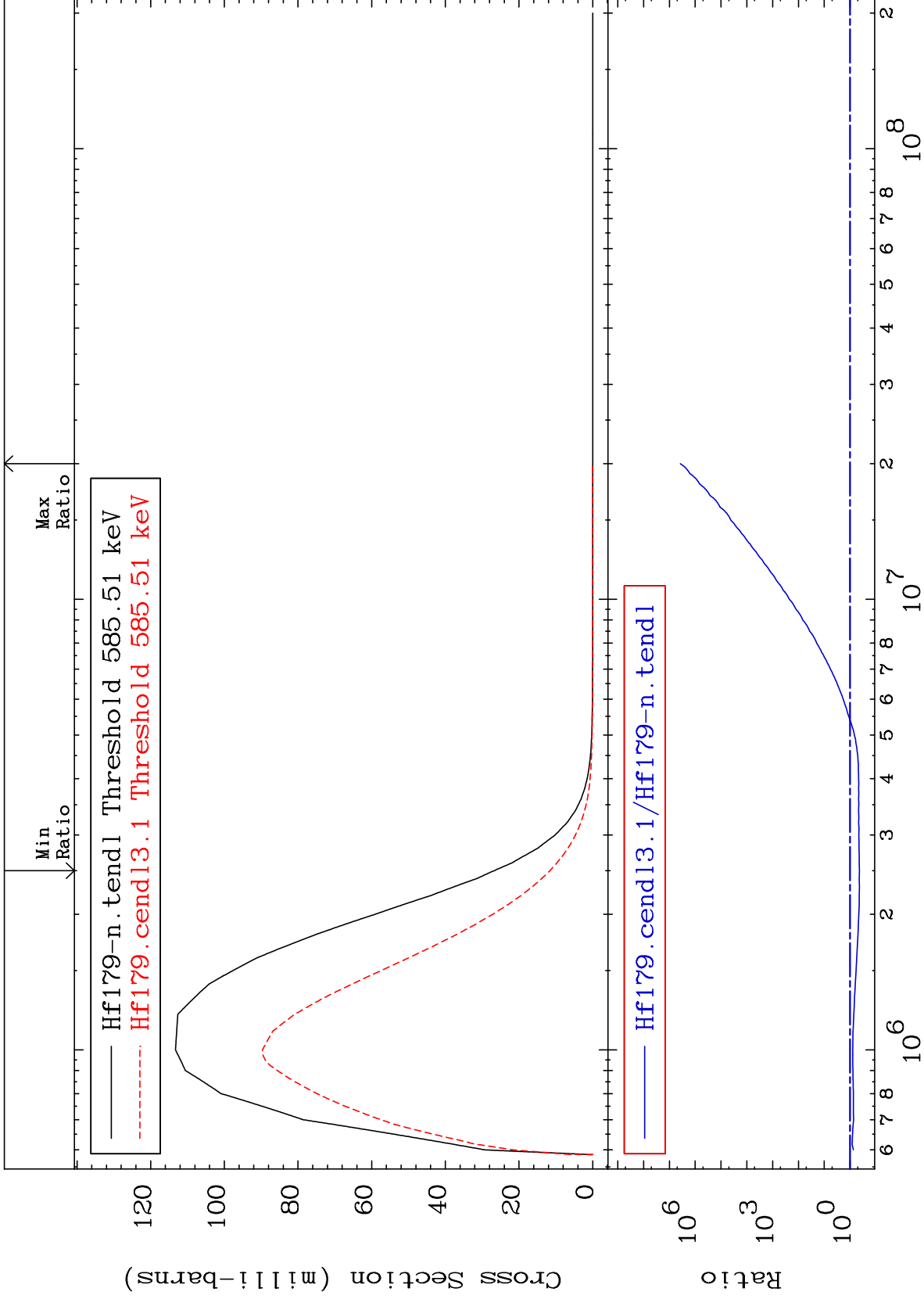
17

72-Hf-179

MAT 7240

582.2 keV (n,n') Level
Cross Section

72-Hf-179
-56.56 To 9999. %



18

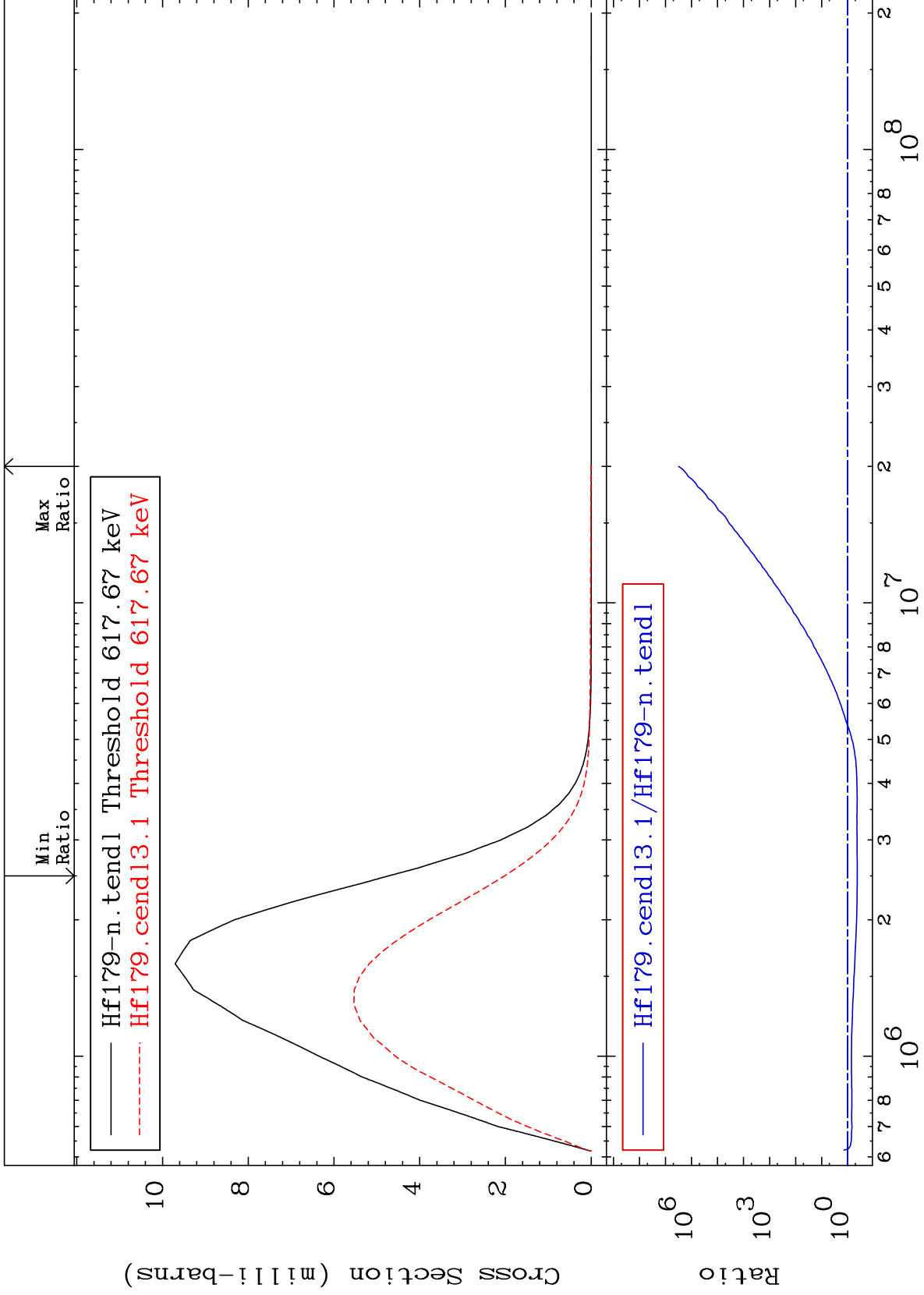
Incident Energy (eV)

72-Hf-179

MAT 7240

614.2 keV (n,n') Level
Cross Section

72-Hf-179
-57.26 To 9999. %



19

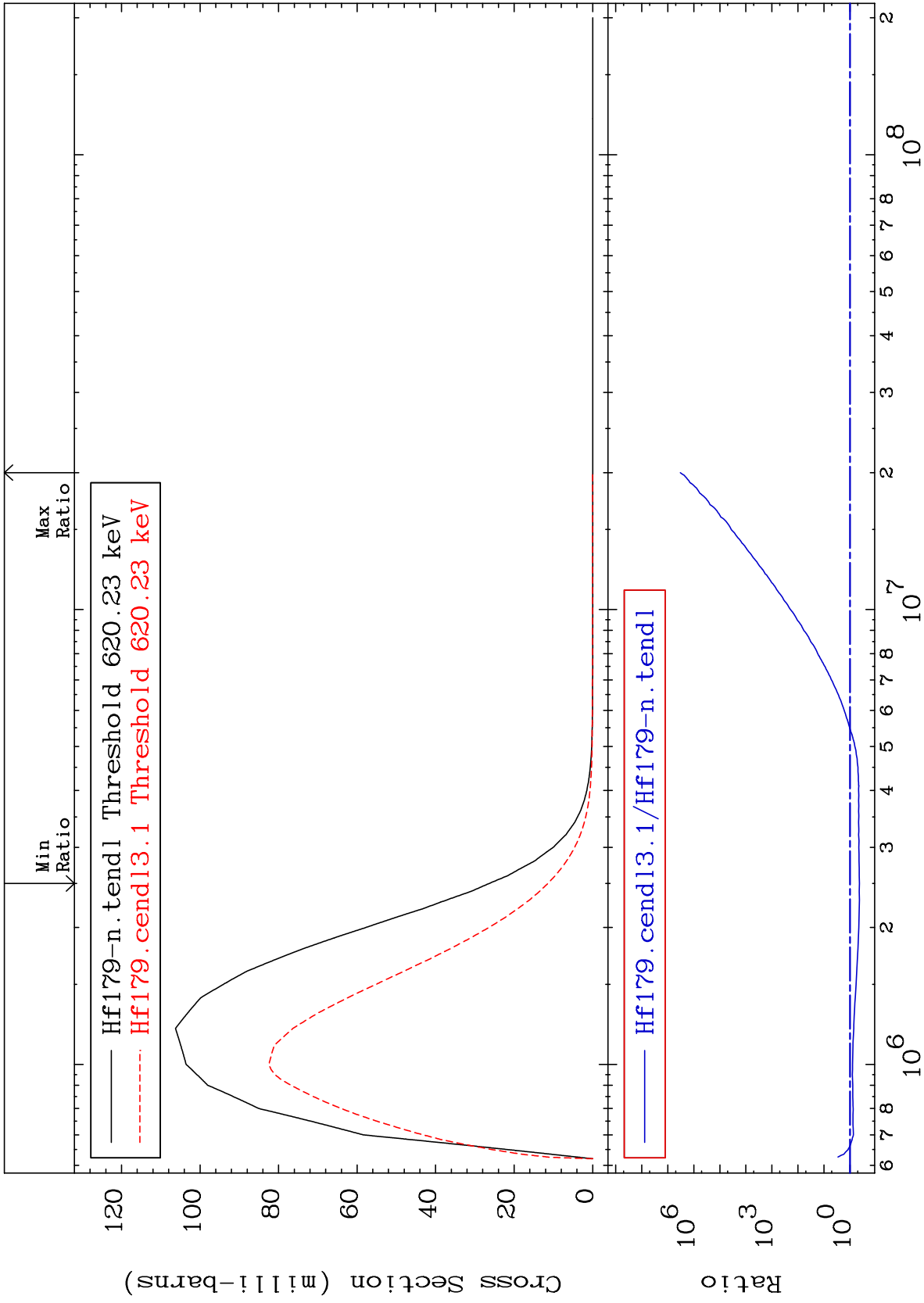
Incident Energy (eV)

72-Hf-179

MAT 7240

616.8 keV (n,n') Level
Cross Section

72-Hf-179
-56.75 To 9999. %



20

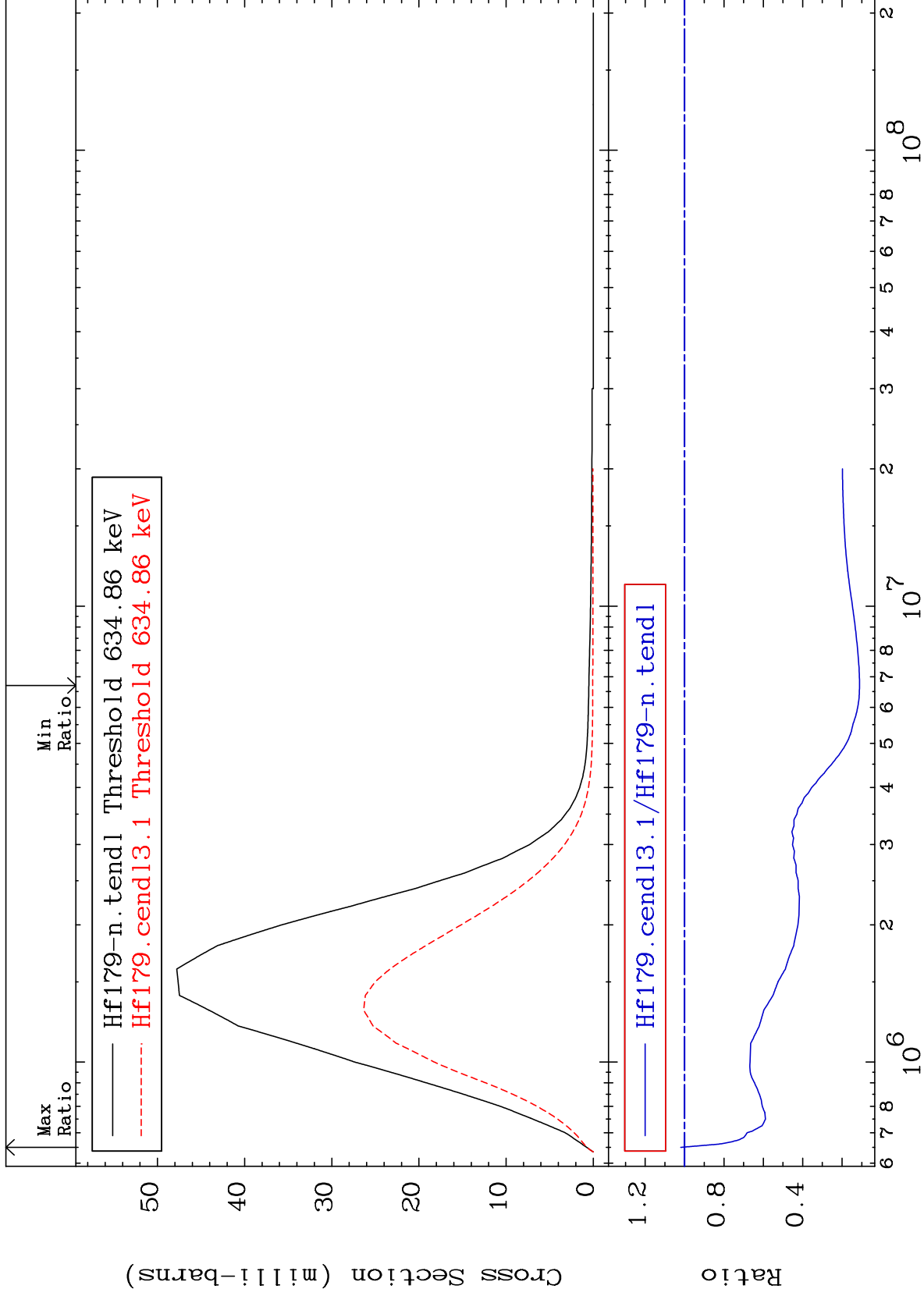
Incident Energy (eV)

72-Hf-179

MAT 7240

631.3 keV (n,n') Level
Cross Section

⁷²Hf-179
-88.89 To 1.925 %



21

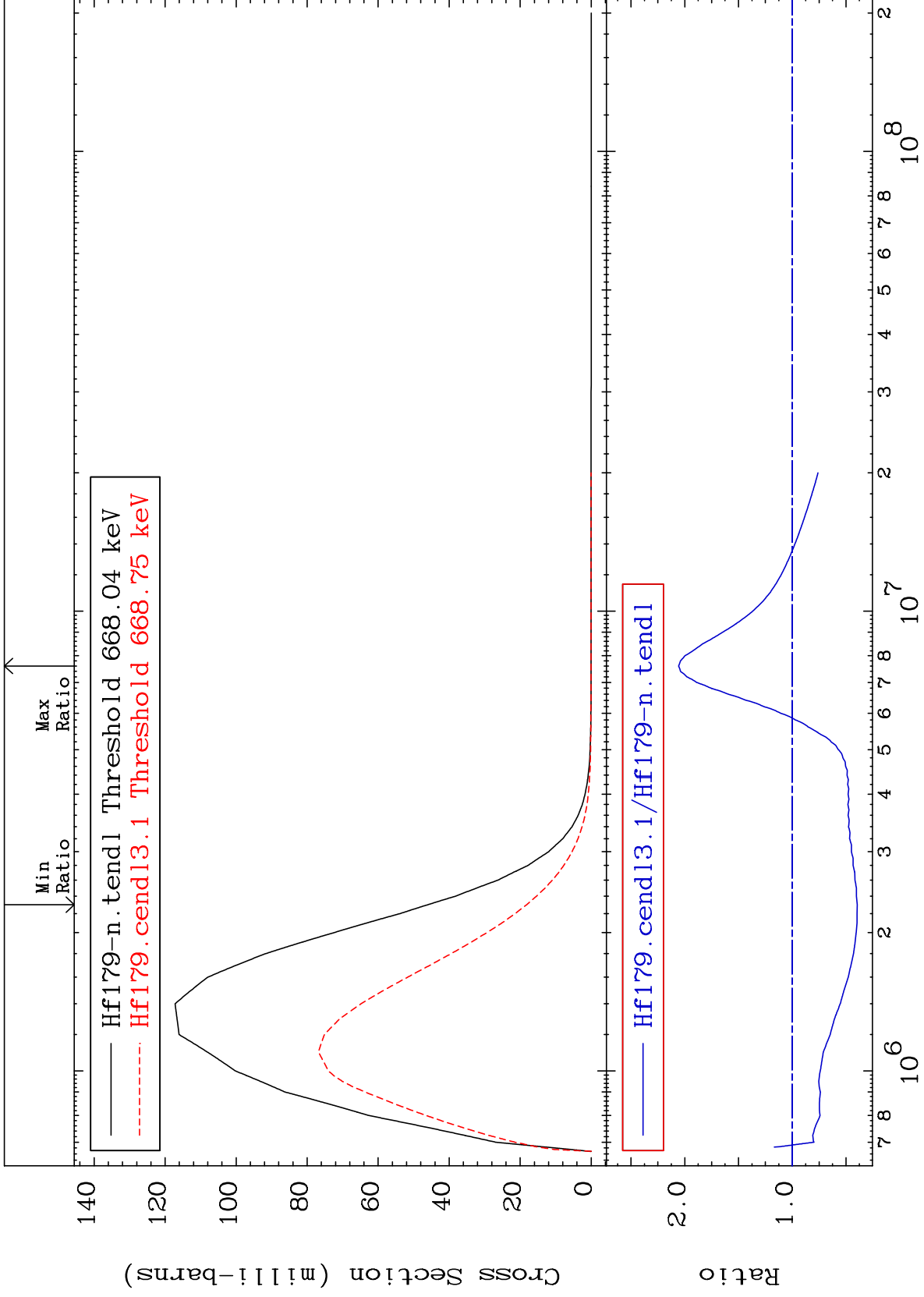
Incident Energy (eV)

⁷²Hf-179

MAT 7240

664.3 keV (n,n') Level
Cross Section

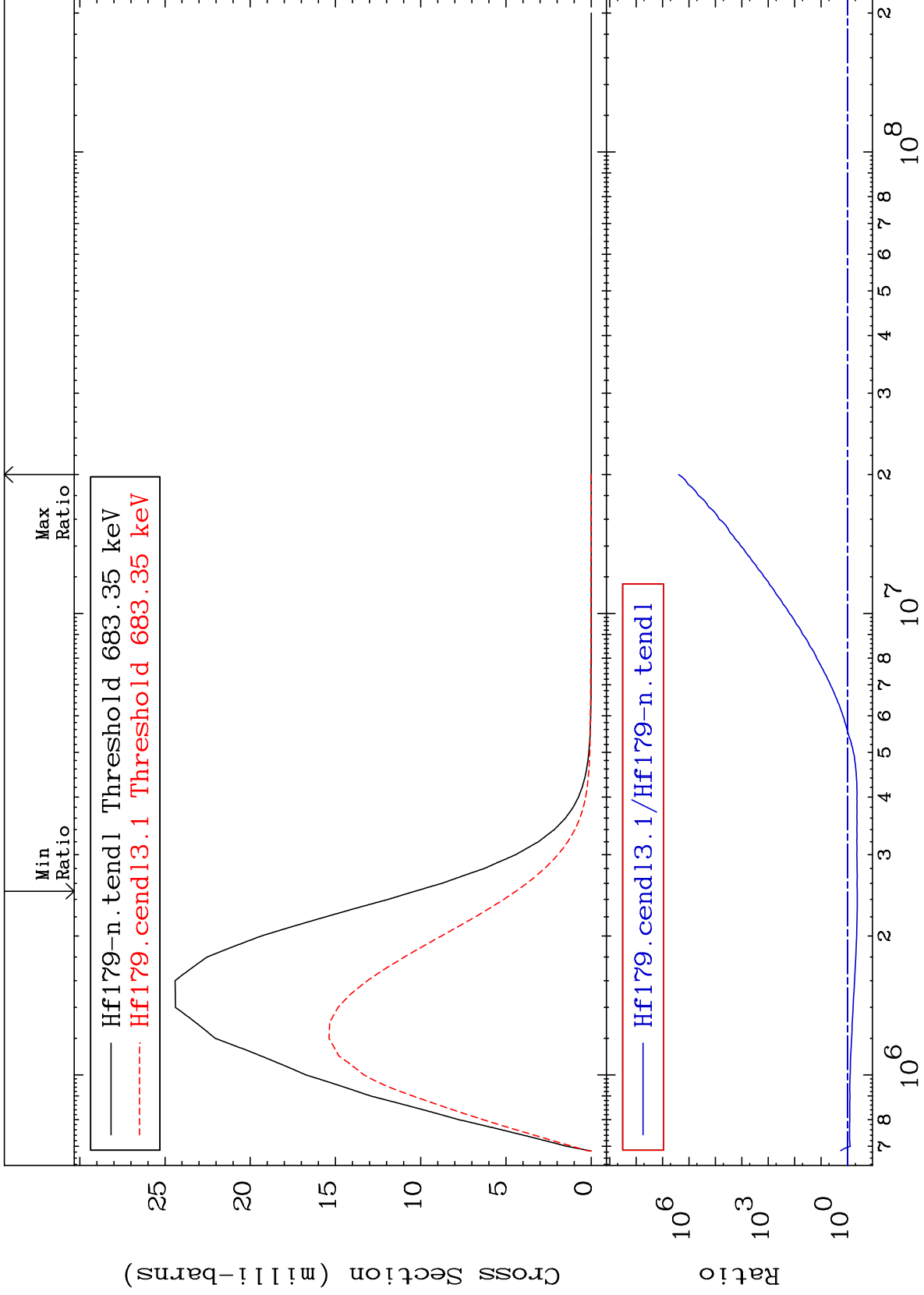
72-Hf-179
-60.50 To 105.7 %



MAT 7240

679.5 keV (n,n') Level
Cross Section

72-Hf-179
-57.30 To 9999. %



23

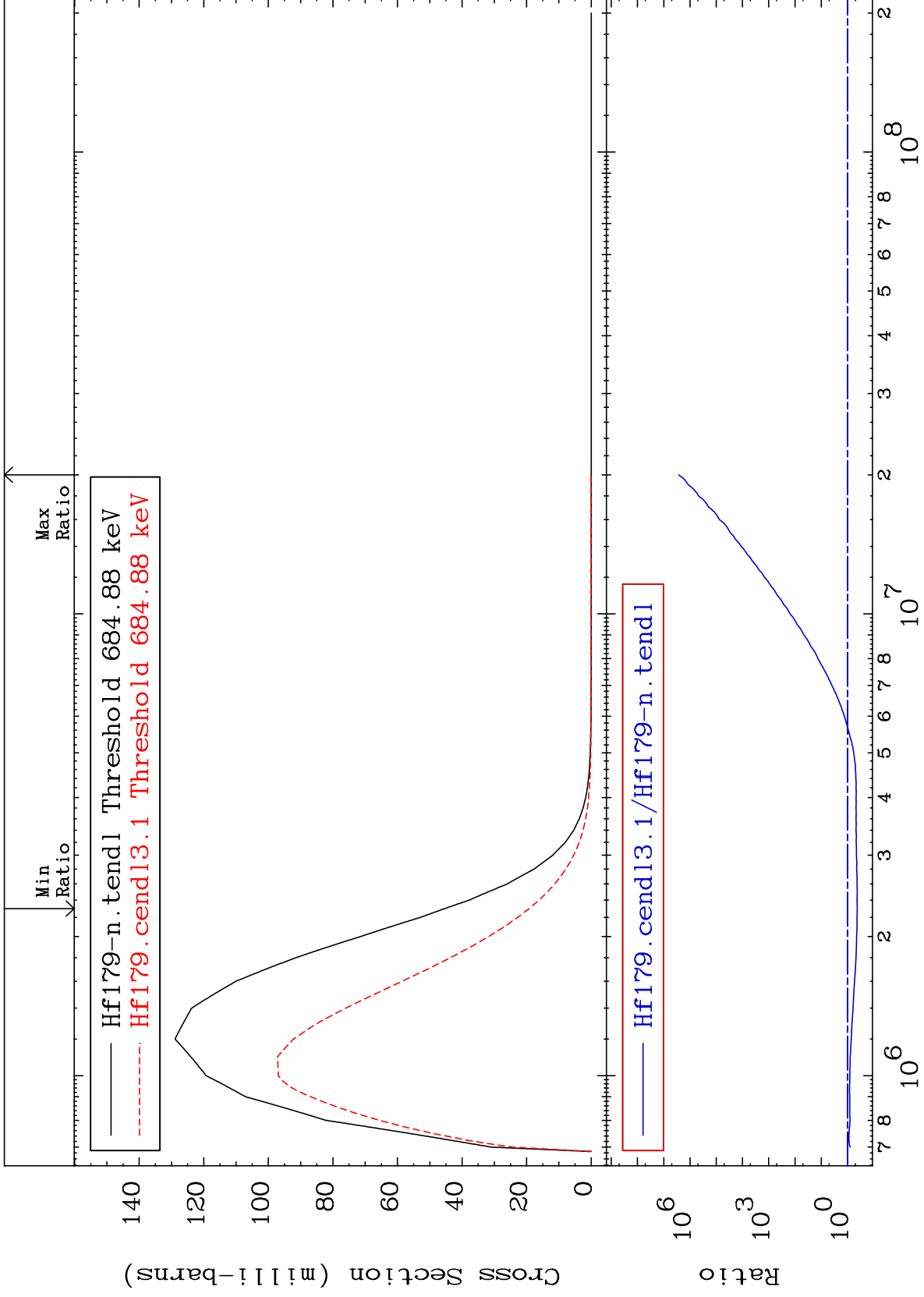
Incident Energy (eV)

72-Hf-179

MAT 7240

681.0 keV (n,n') Level
Cross Section

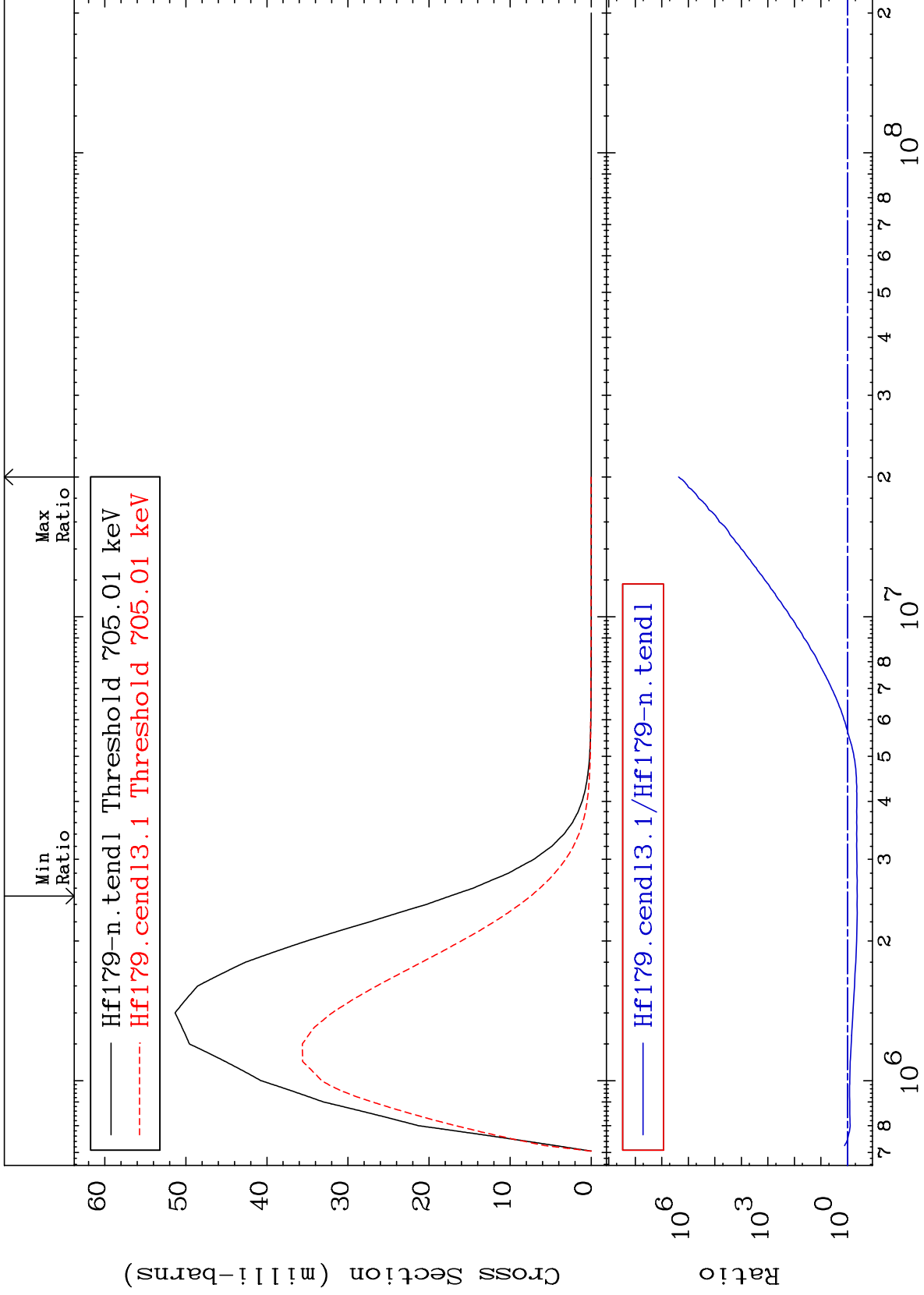
72-Hf-179
-57.68 To 9999. %



MAT 7240

701.1 keV (n,n') Level
Cross Section

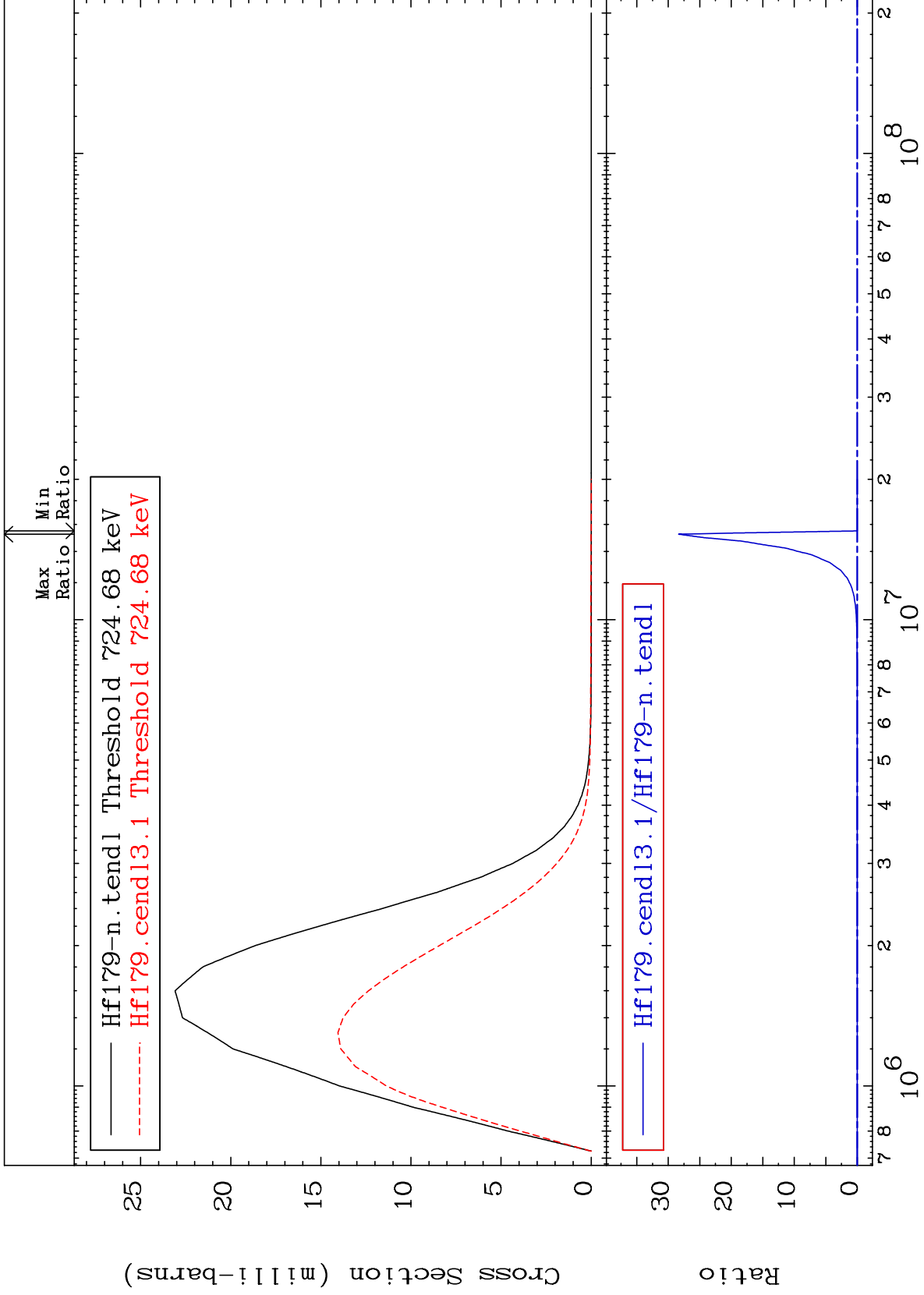
72-Hf-179
-57.18 To 9999. %



MAT 7240

720.6 keV (n,n') Level
Cross Section

72-Hf-179
-100.0 To 9999. %



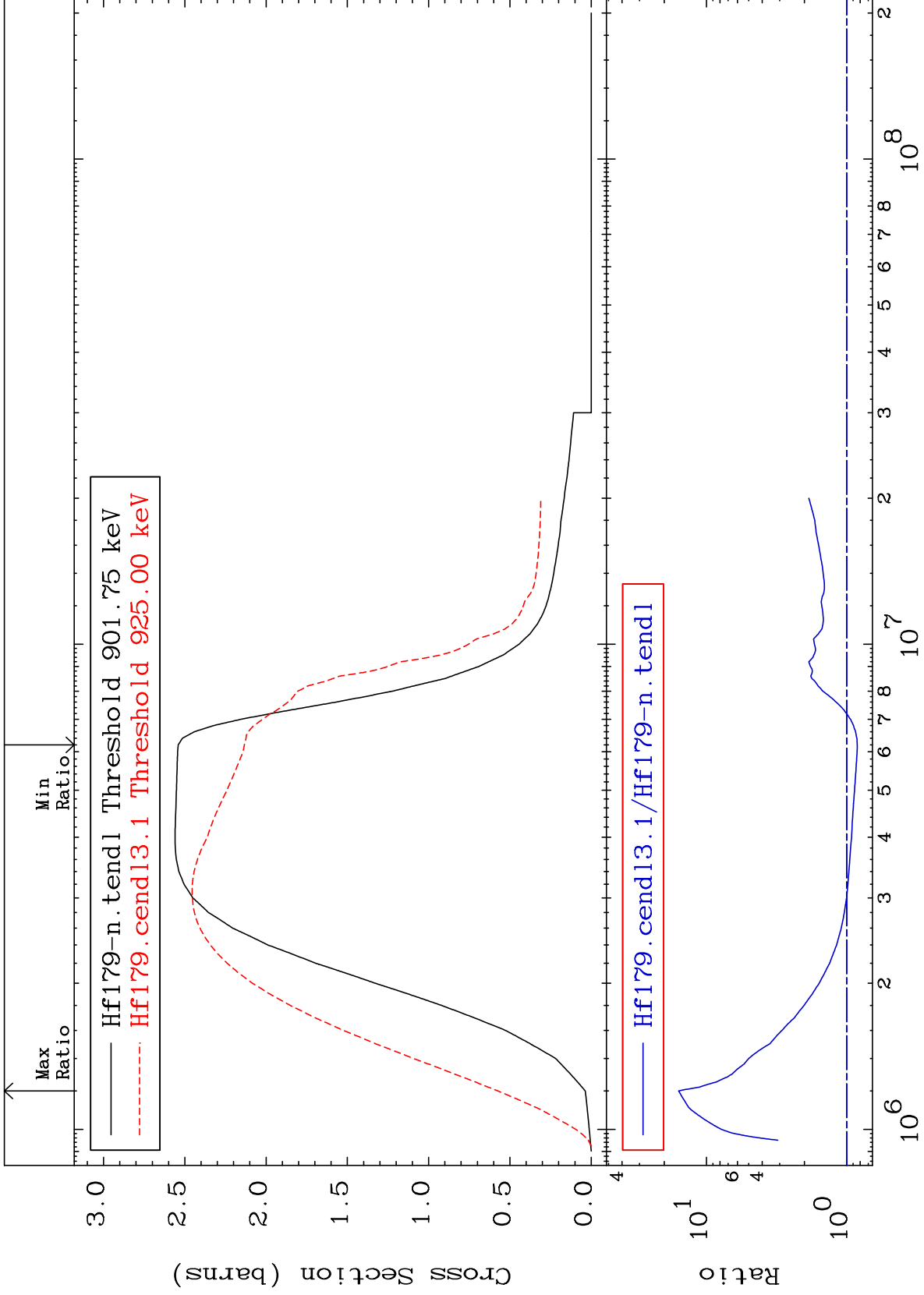
26

72-Hf-179

MAT 7240

(n, n') Continuum
Cross Section

⁷²Hf-179
-16.02 To 1479. %



27

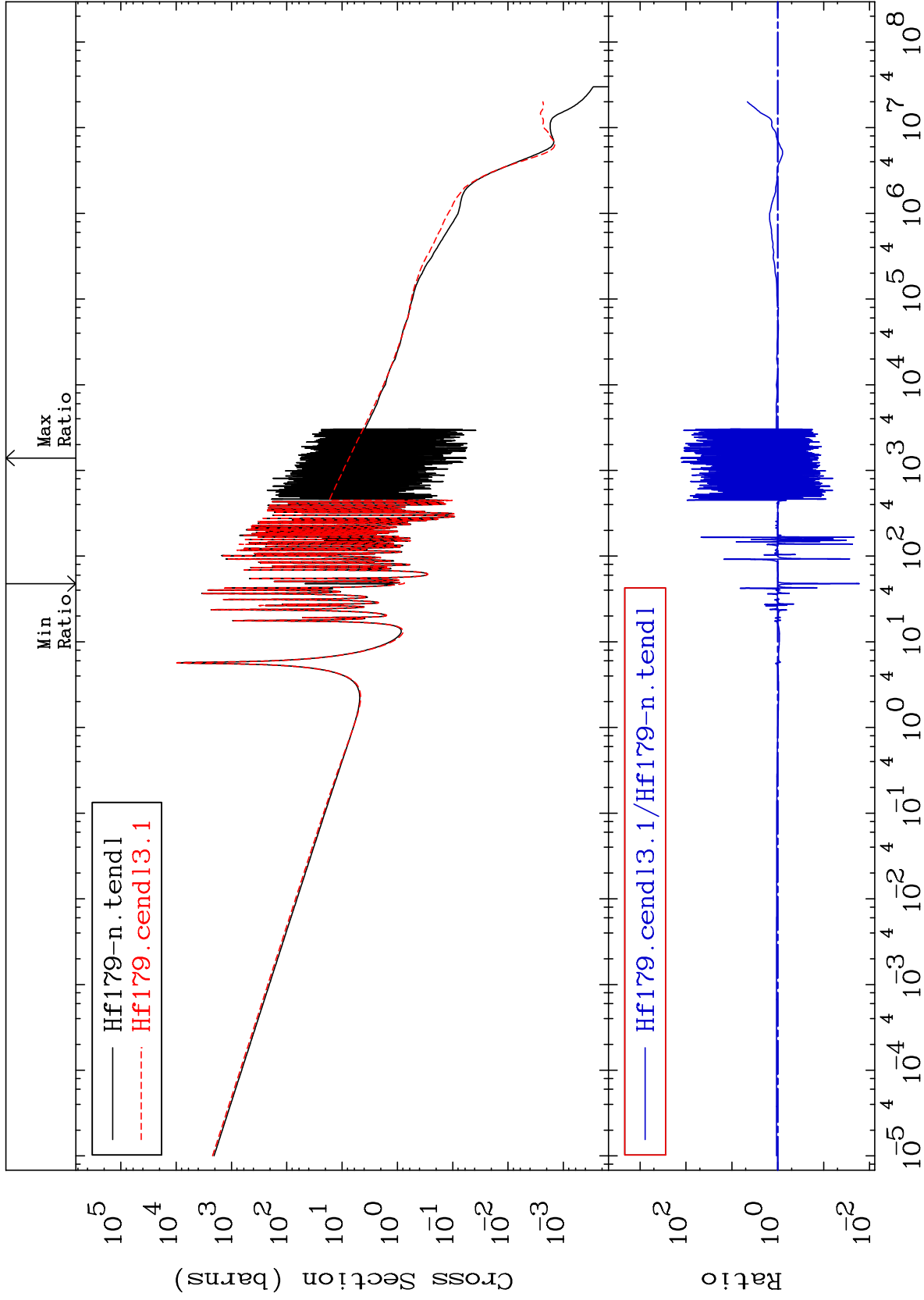
Incident Energy (eV)

⁷²Hf-179

MAT 7240

72-Hf-179
-98.35 To 9999. %

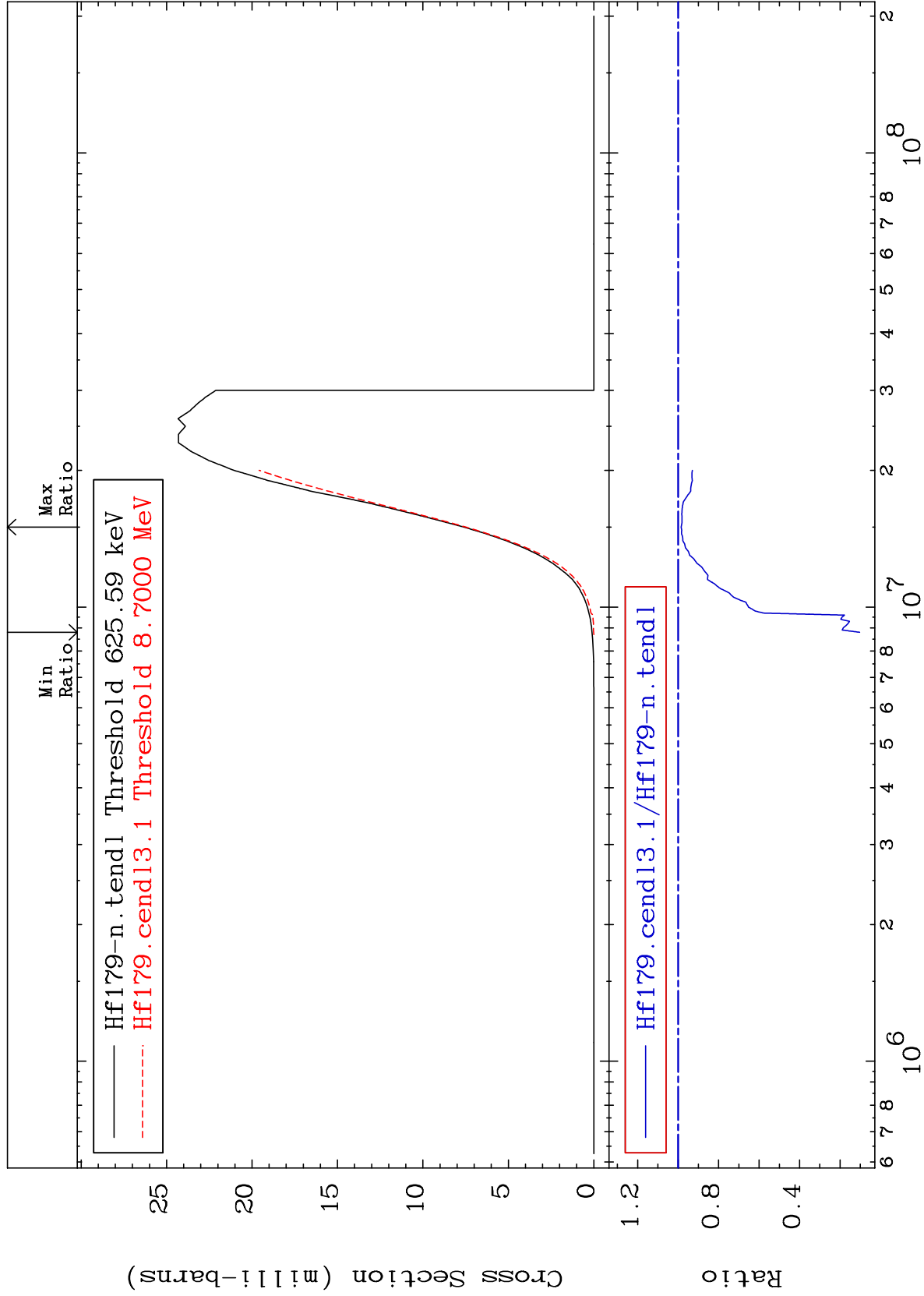
(n, γ)
Cross Section



MAT 7240

⁷²Hf-179

(n,p)
Cross Section
-89.67 To -1.504%



29

Incident Energy (eV)

⁷²Hf-179

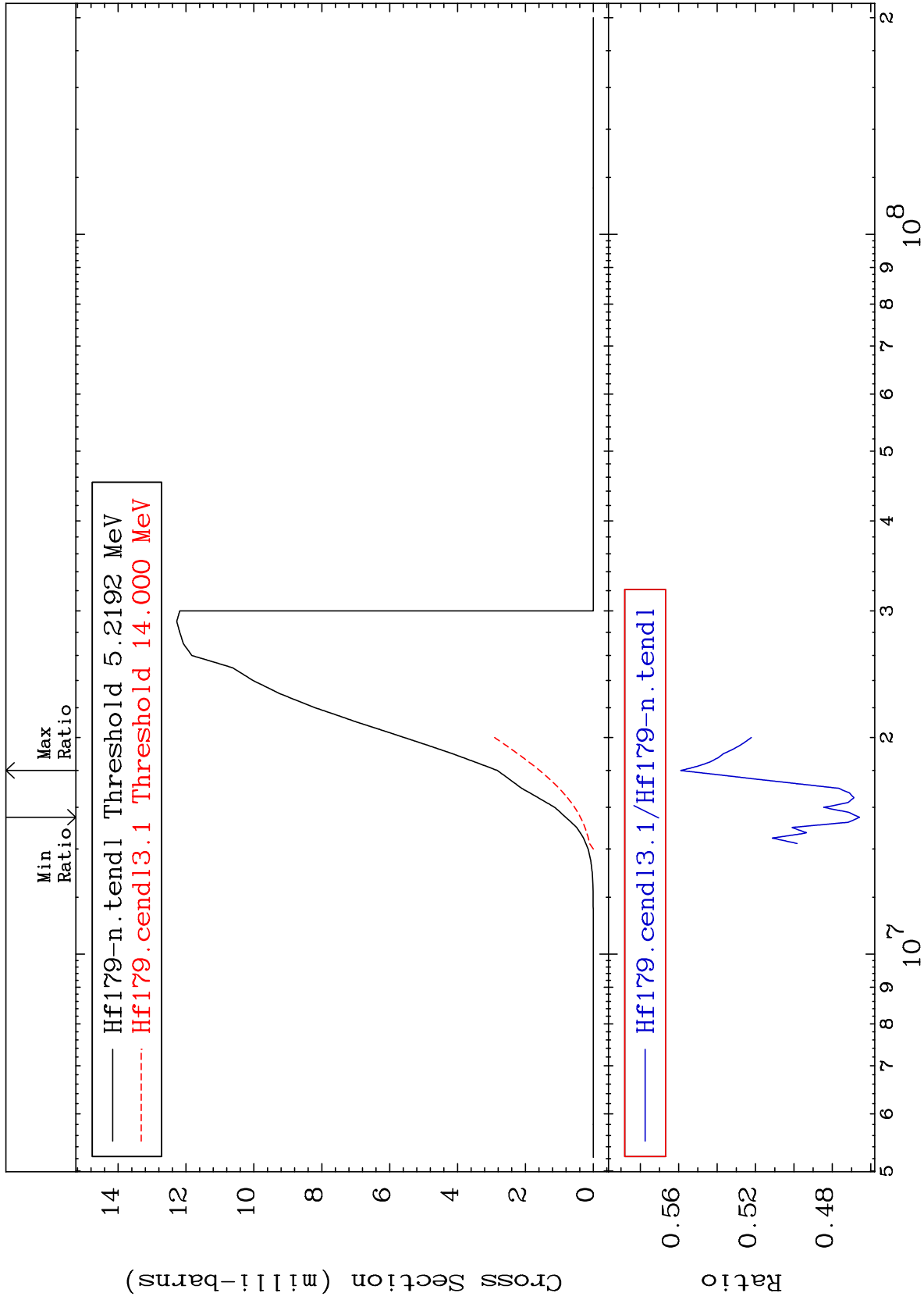
MAT 7240

(n, d)

⁷²Hf-179

Cross Section

-53.42 To -44.11%



30

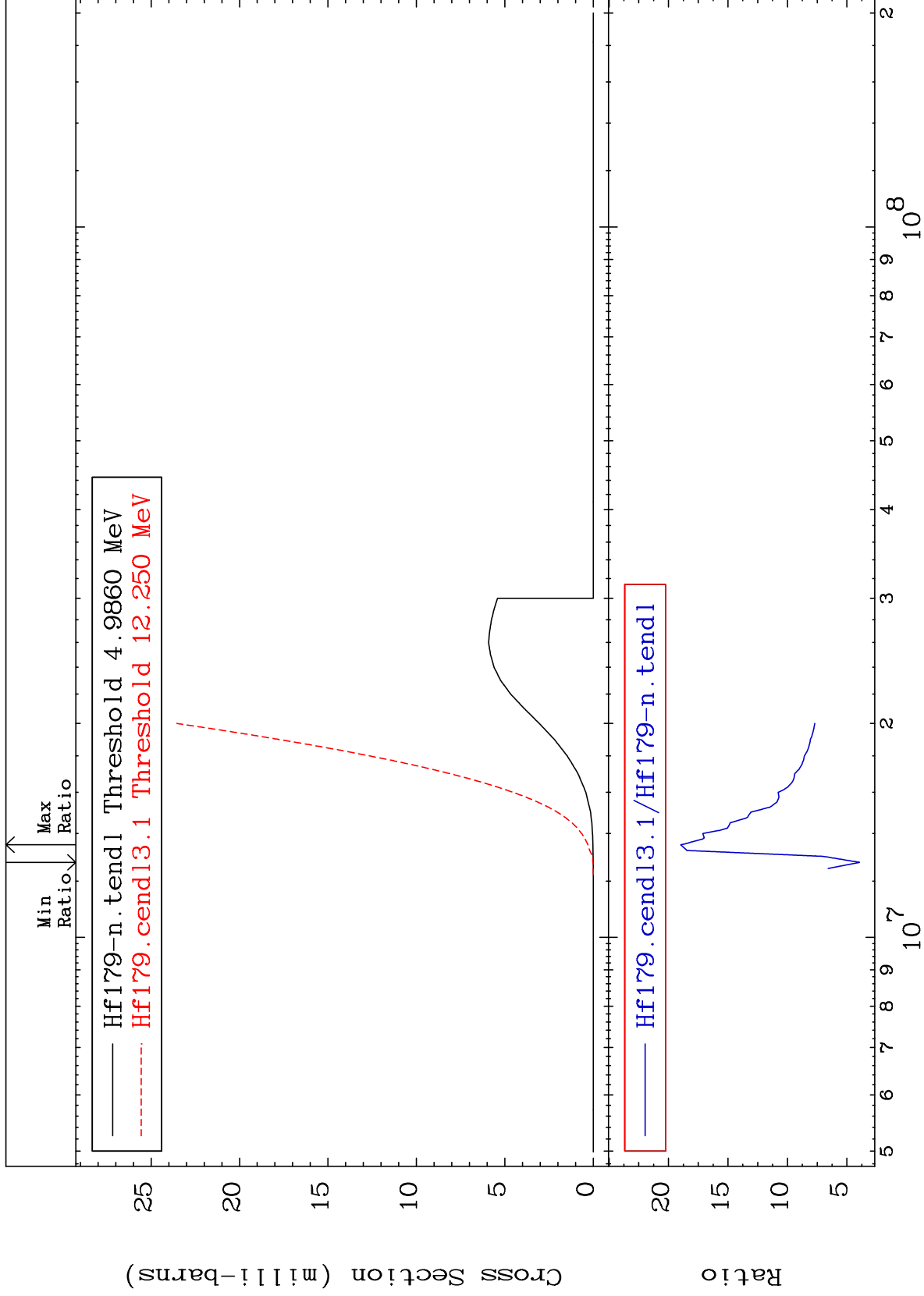
Incident Energy (eV)

⁷²Hf-179

MAT 7240

(n, t)
Cross Section

72-Hf-179
294.1 To 1797. %



31

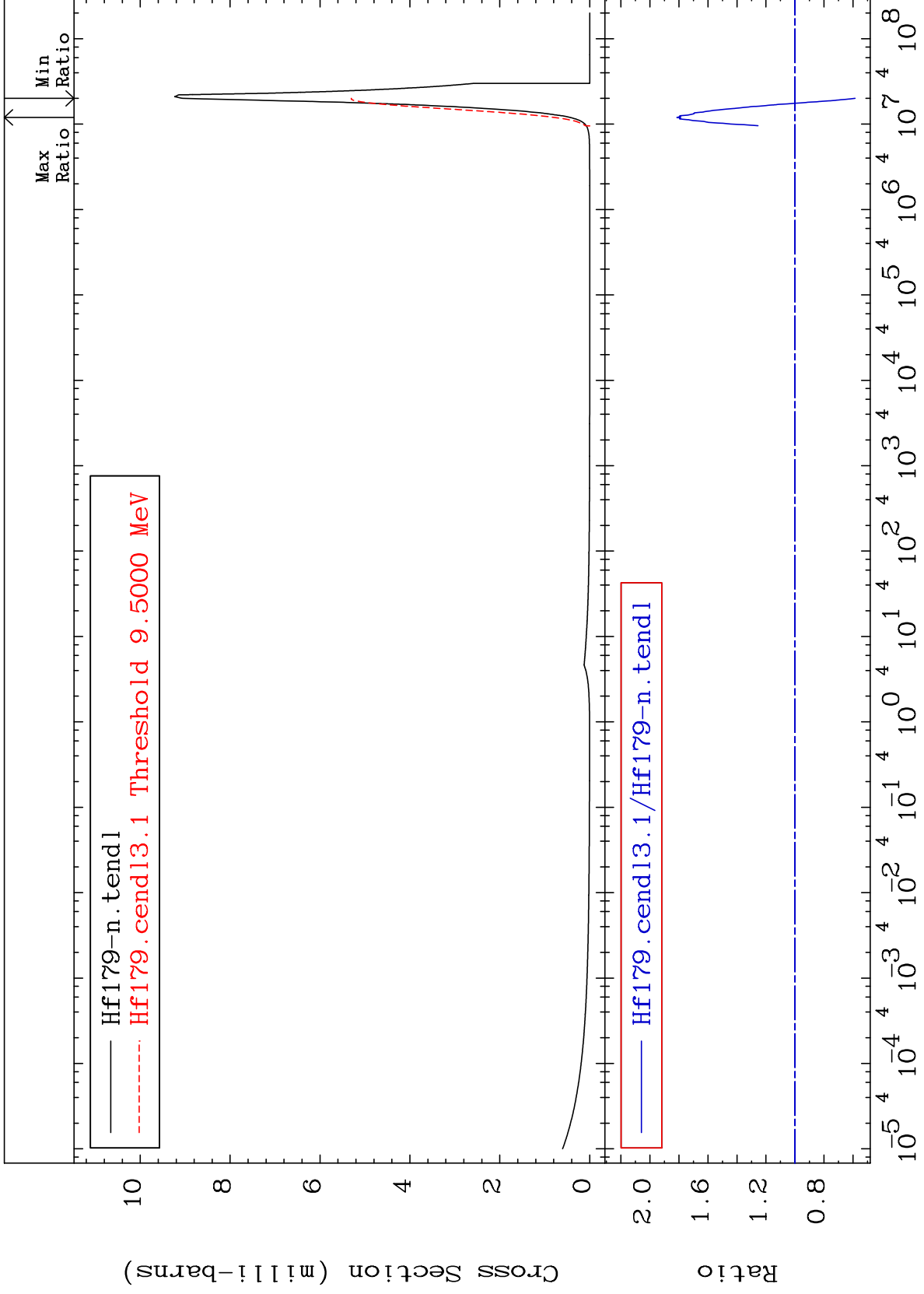
Incident Energy (eV)

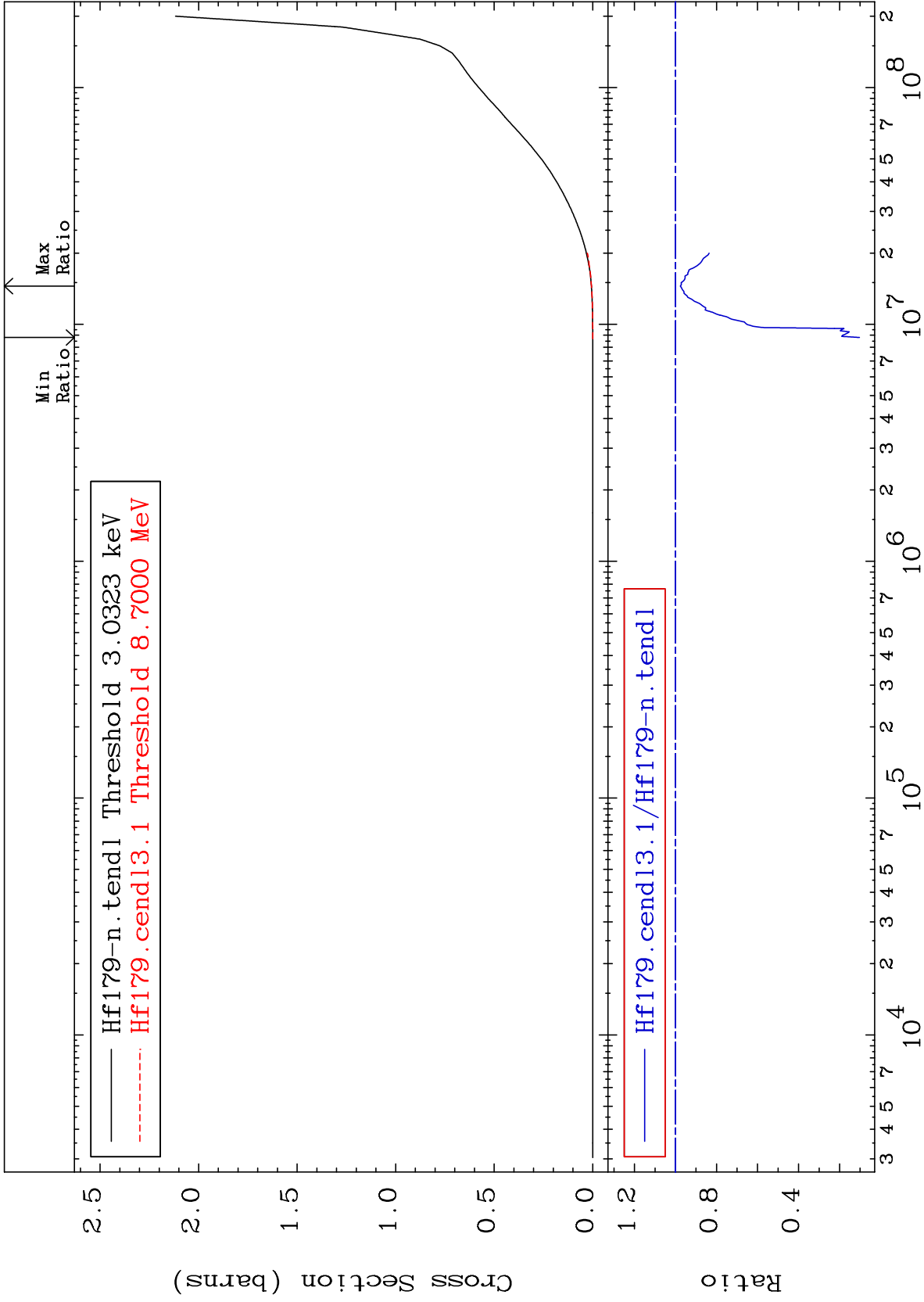
72-Hf-179

MAT 7240

(n, α)
Cross Section

72-Hf-179
-41.43 To 81.38 %

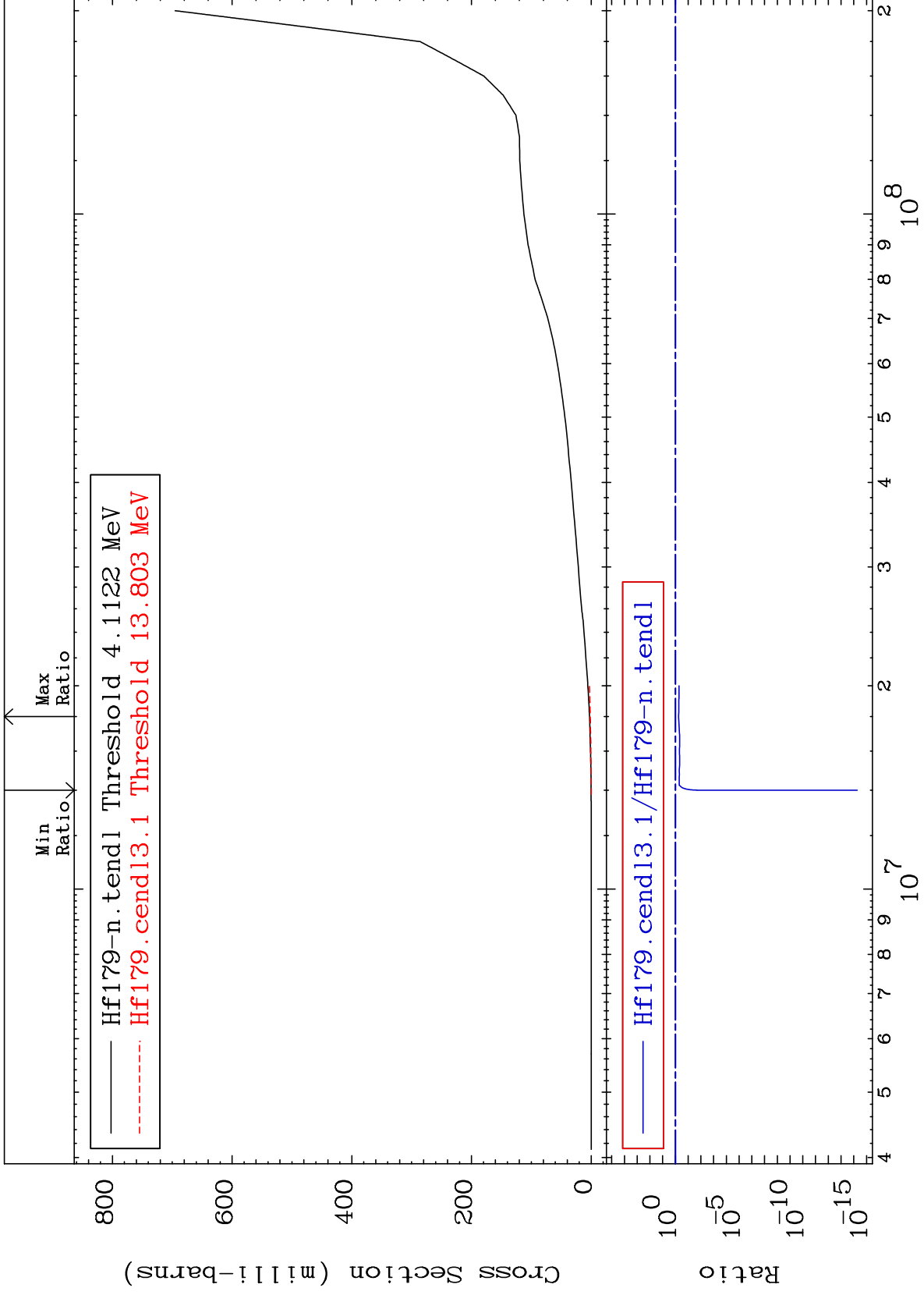




MAT 7240

Deuterium Production
Cross Section

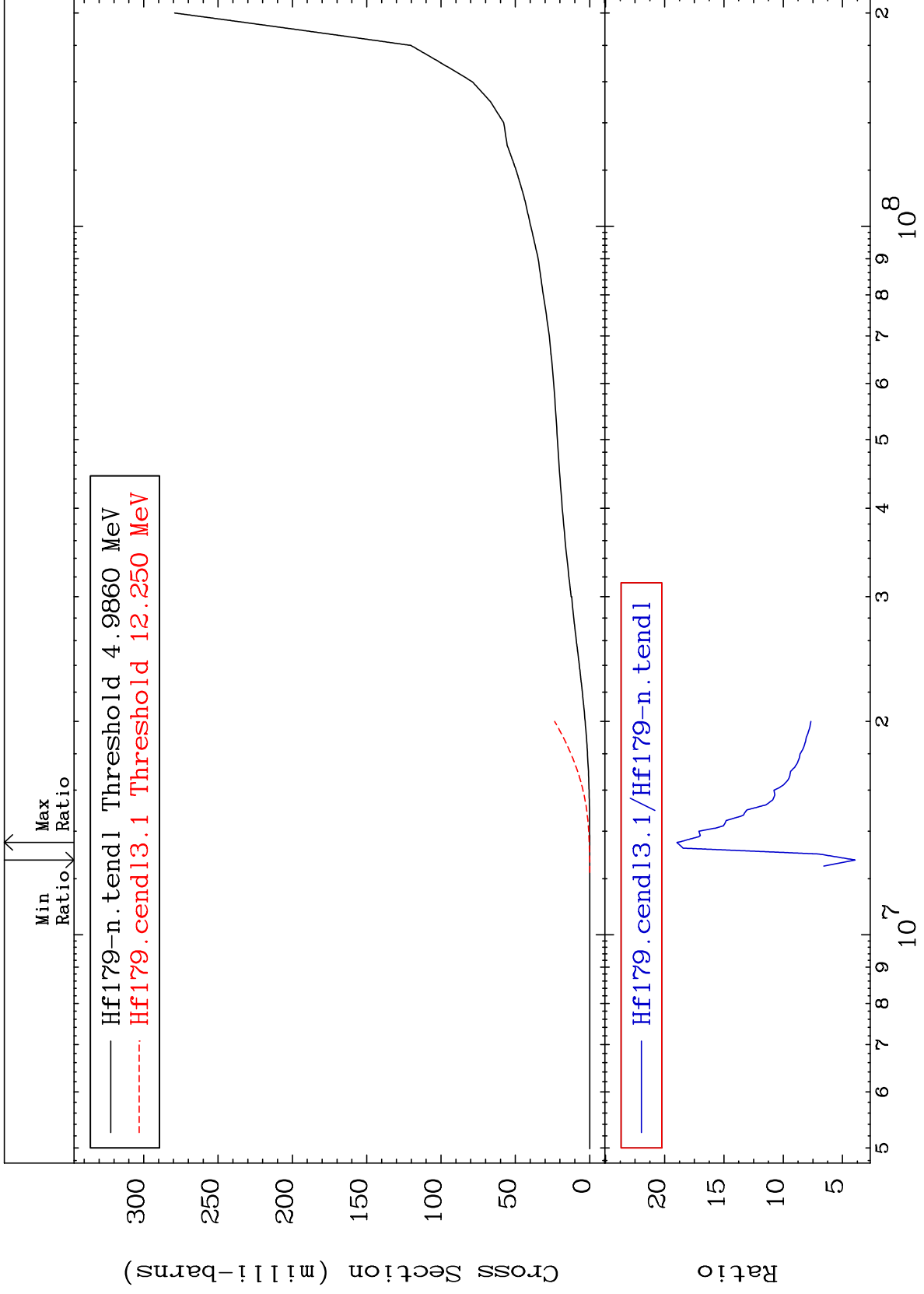
⁷²Hf-179
-100.0 To -44.15%



MAT 7240

Tritium Production
Cross Section

72-Hf-179
294.1 To 1797. %



35

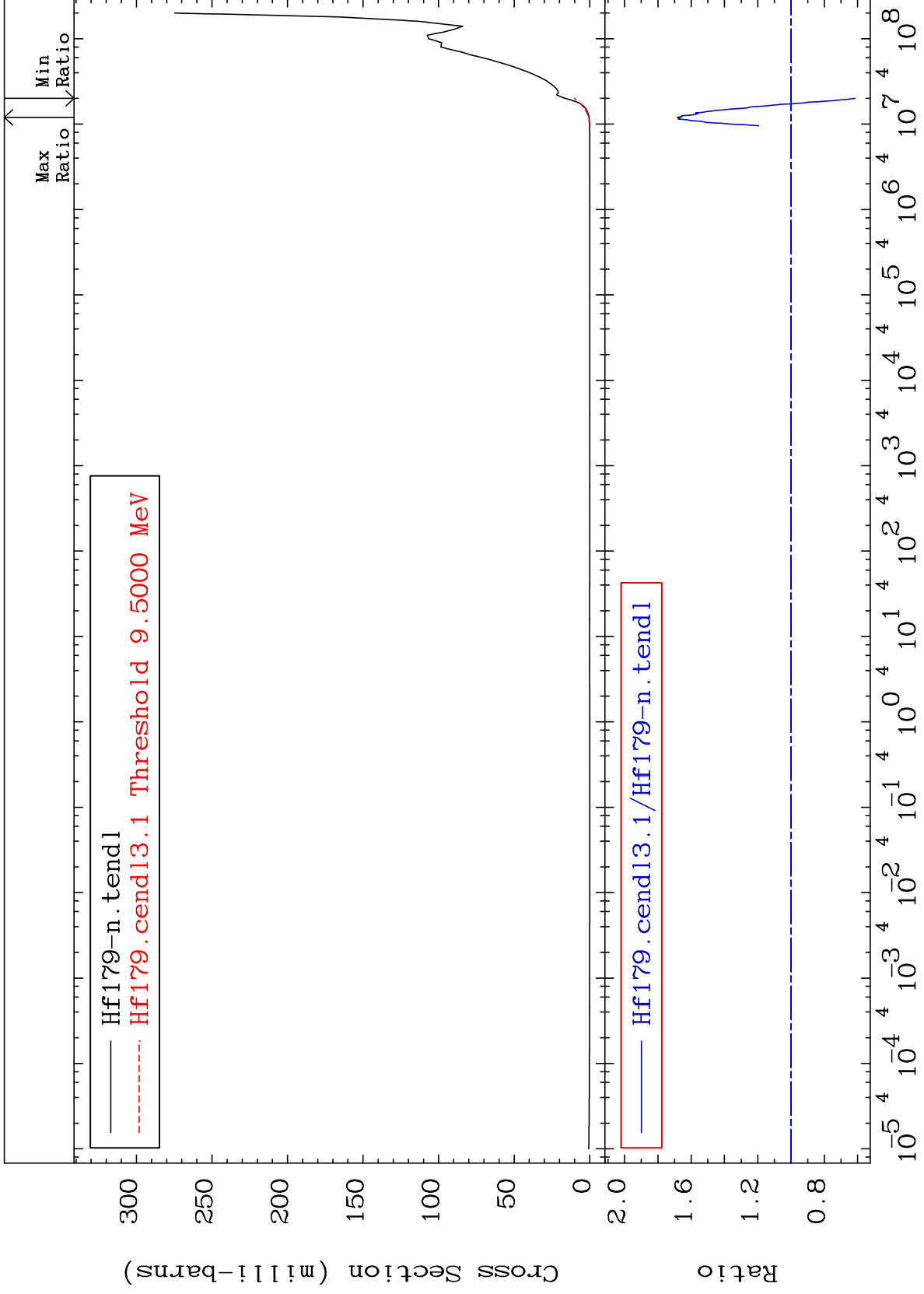
Incident Energy (eV)

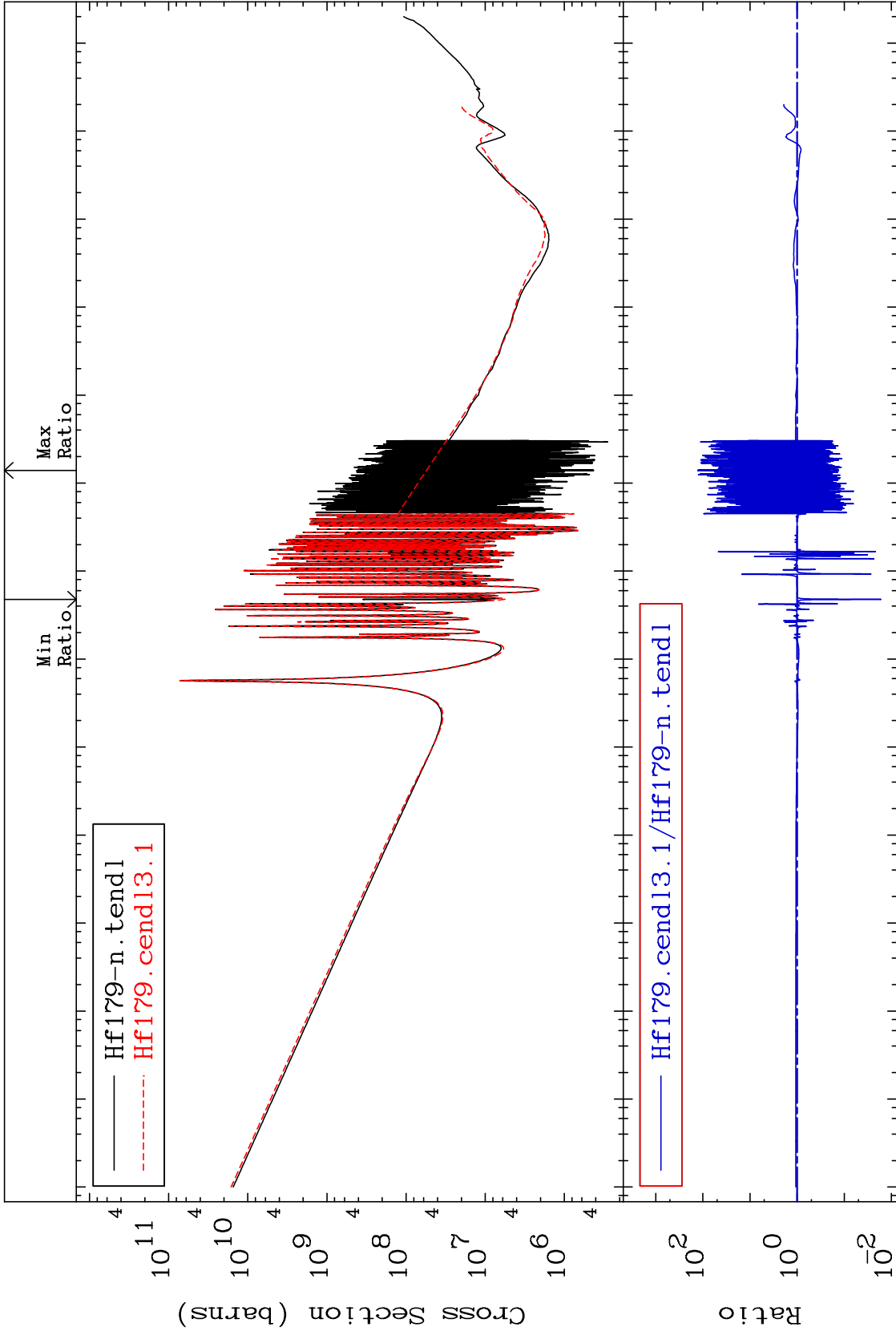
72-Hf-179

MAT 7240

He-4 Production
Cross Section

72-Hf-179
-38.48 To 68.57 %

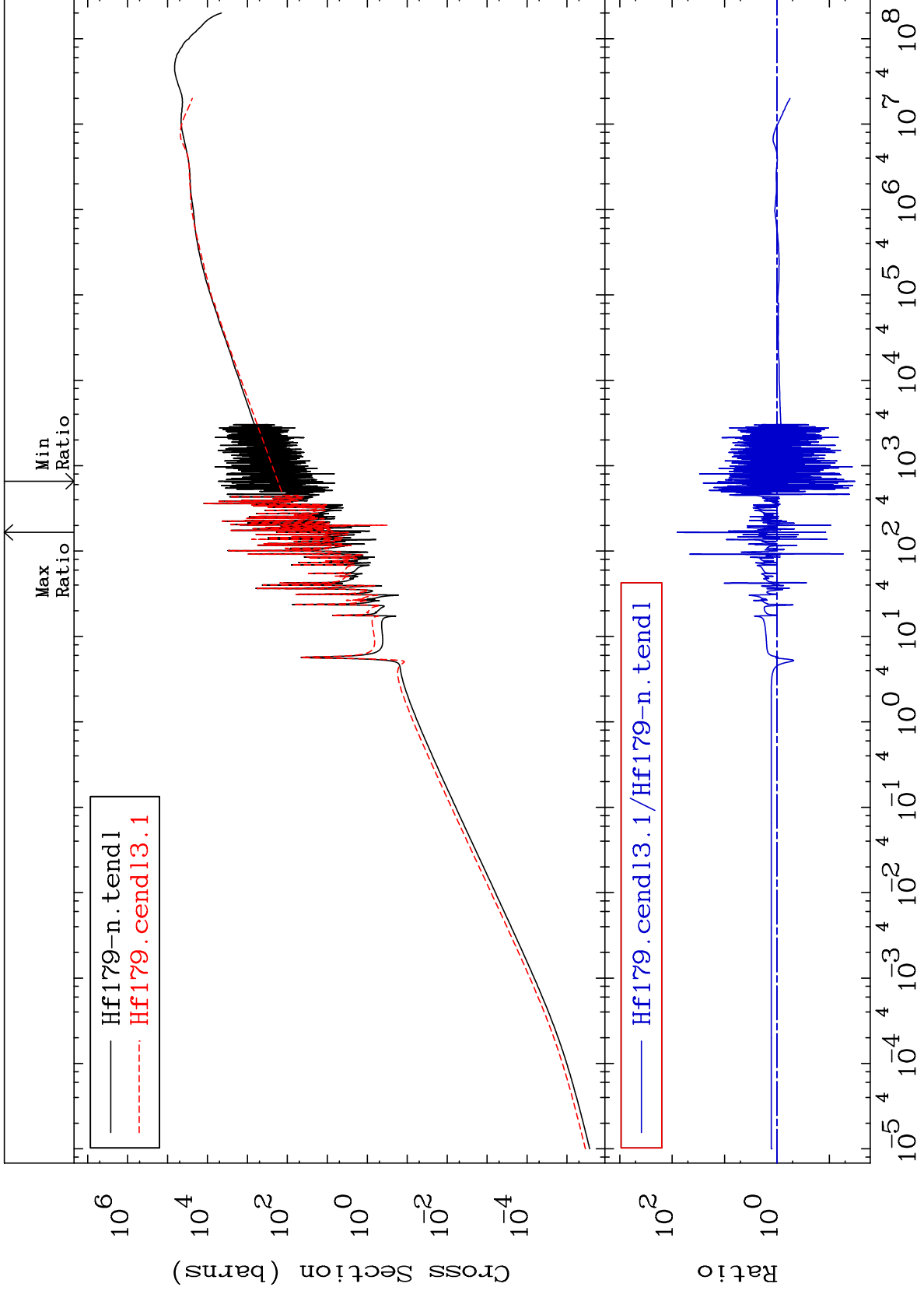




MAT 7240

Kerma elastic
Cross Section

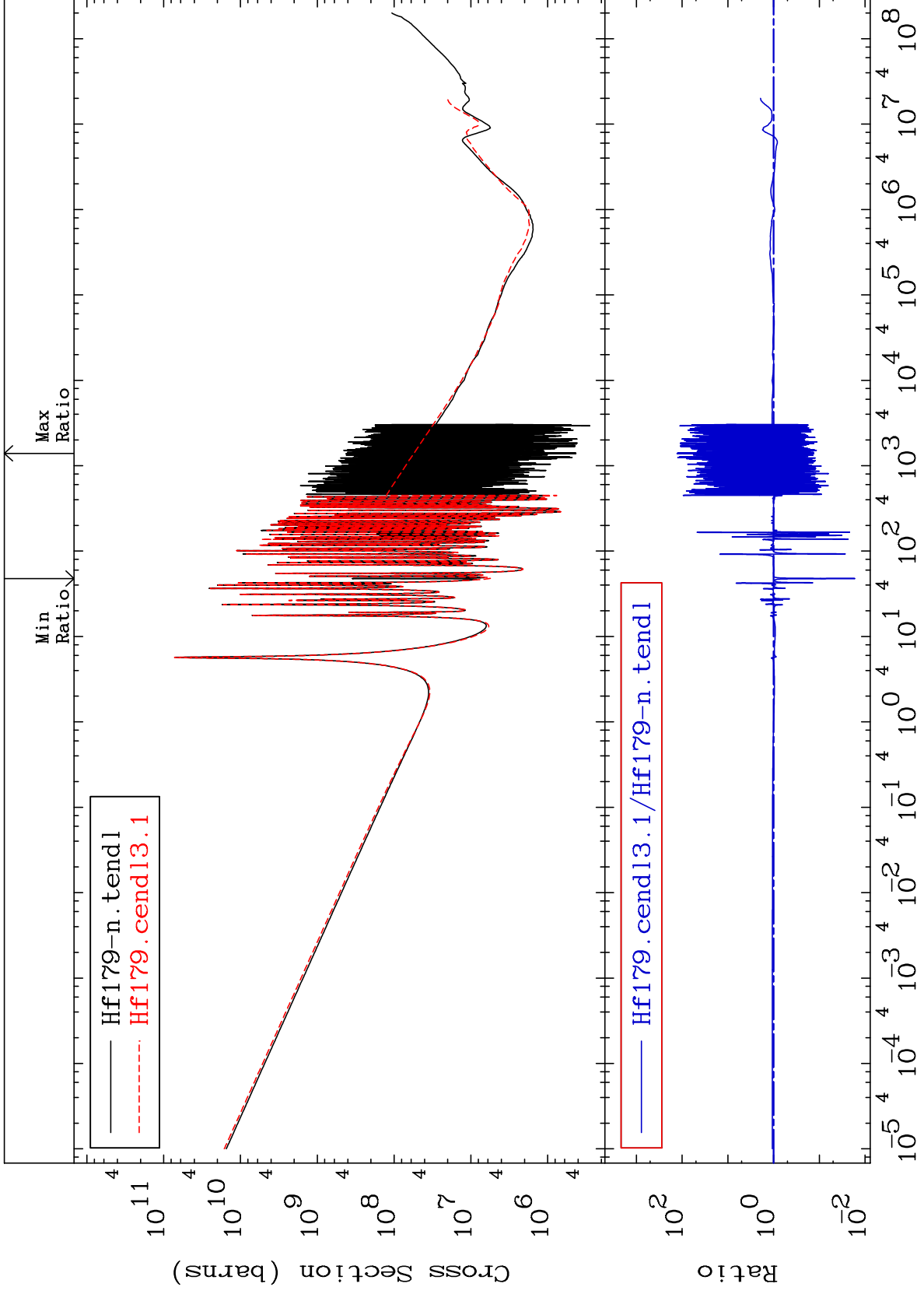
72-Hf-179
-96.77 To 8020. %



MAT 7240

Kerma non-elastic (all but mt2)
Cross Section

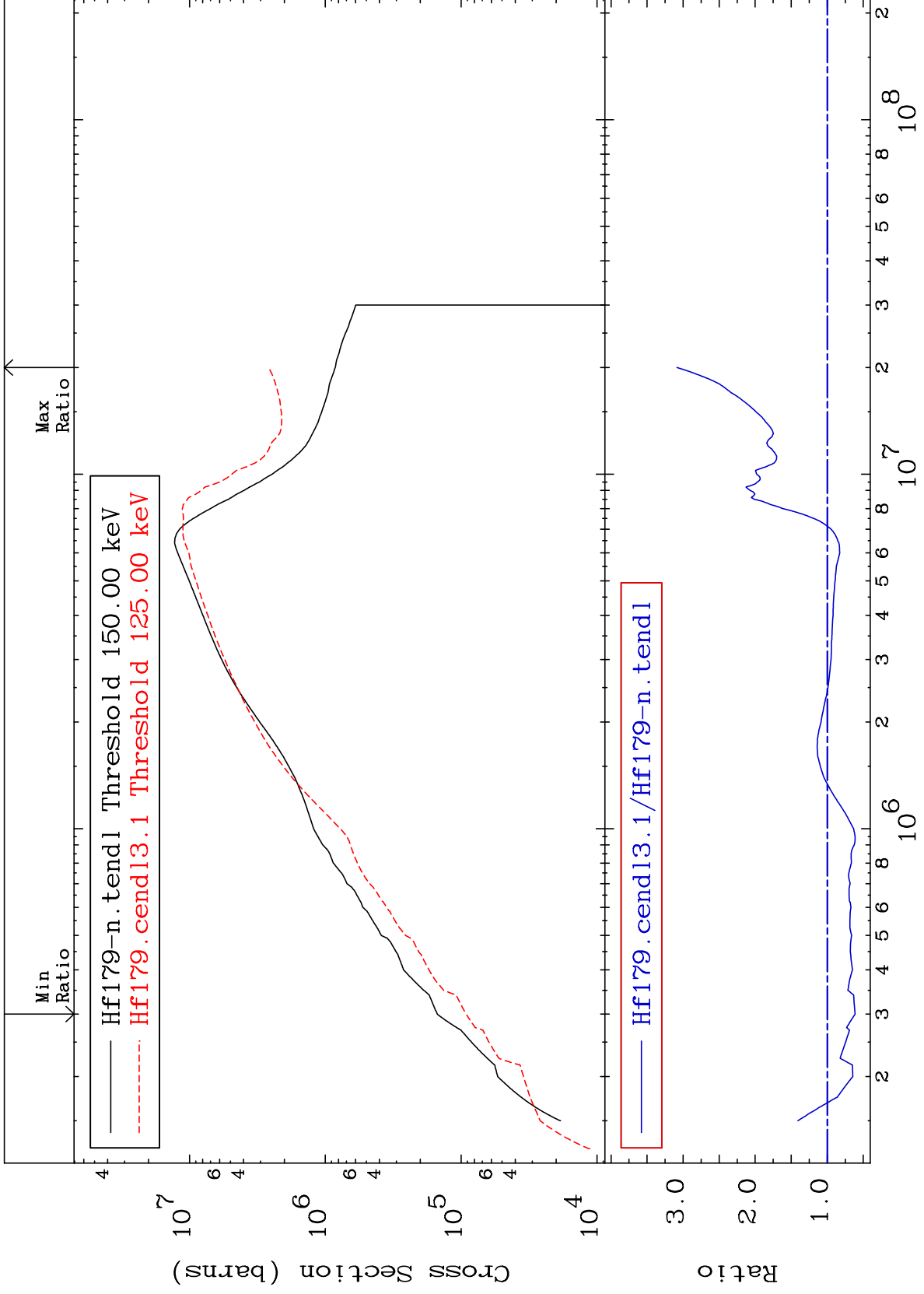
72-Hf-179
-98.35 To 9999. %



MAT 7240

Kerma inelastic (mt51-91)
Cross Section

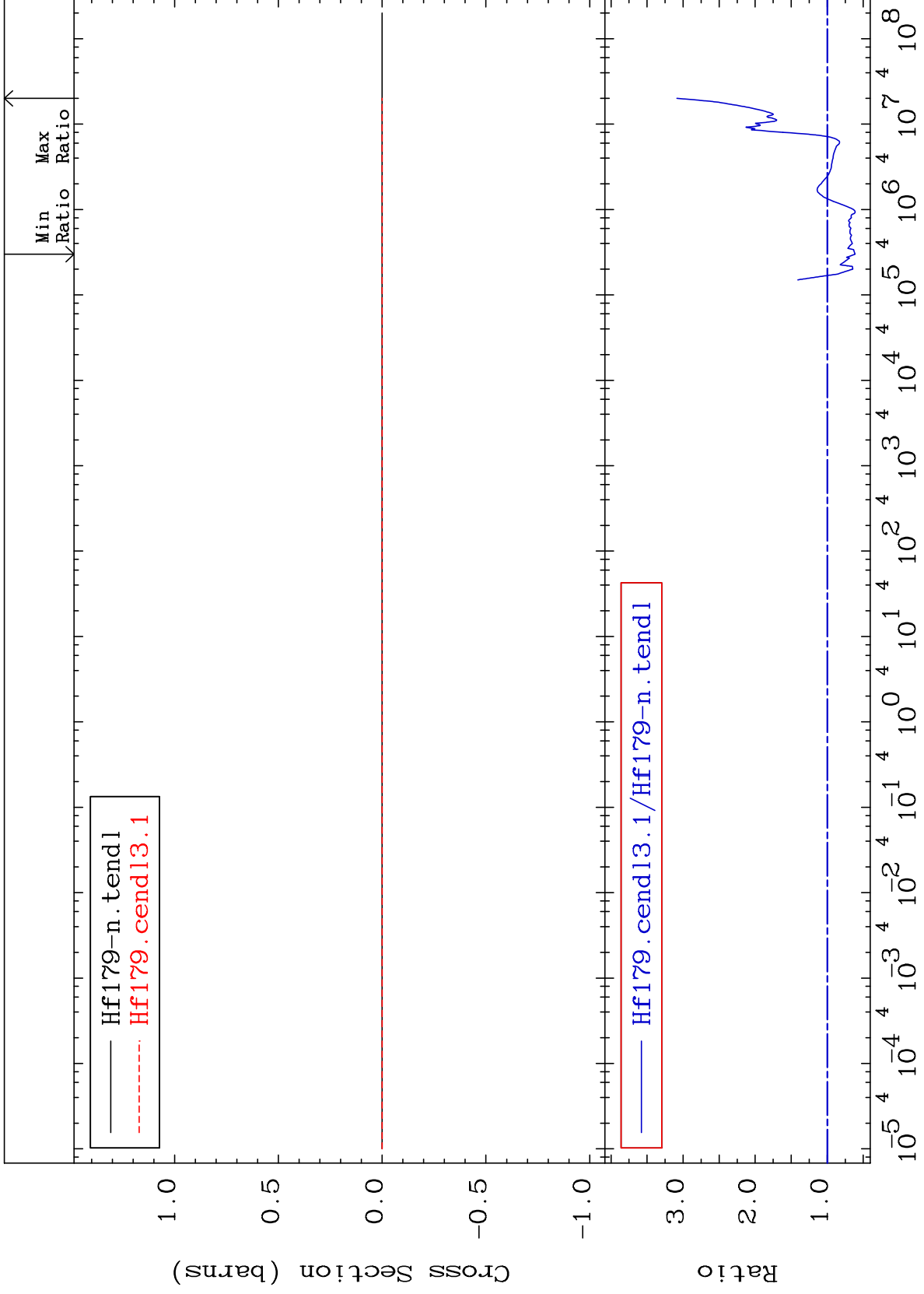
72-Hf-179
-38.64 To 208.6 %

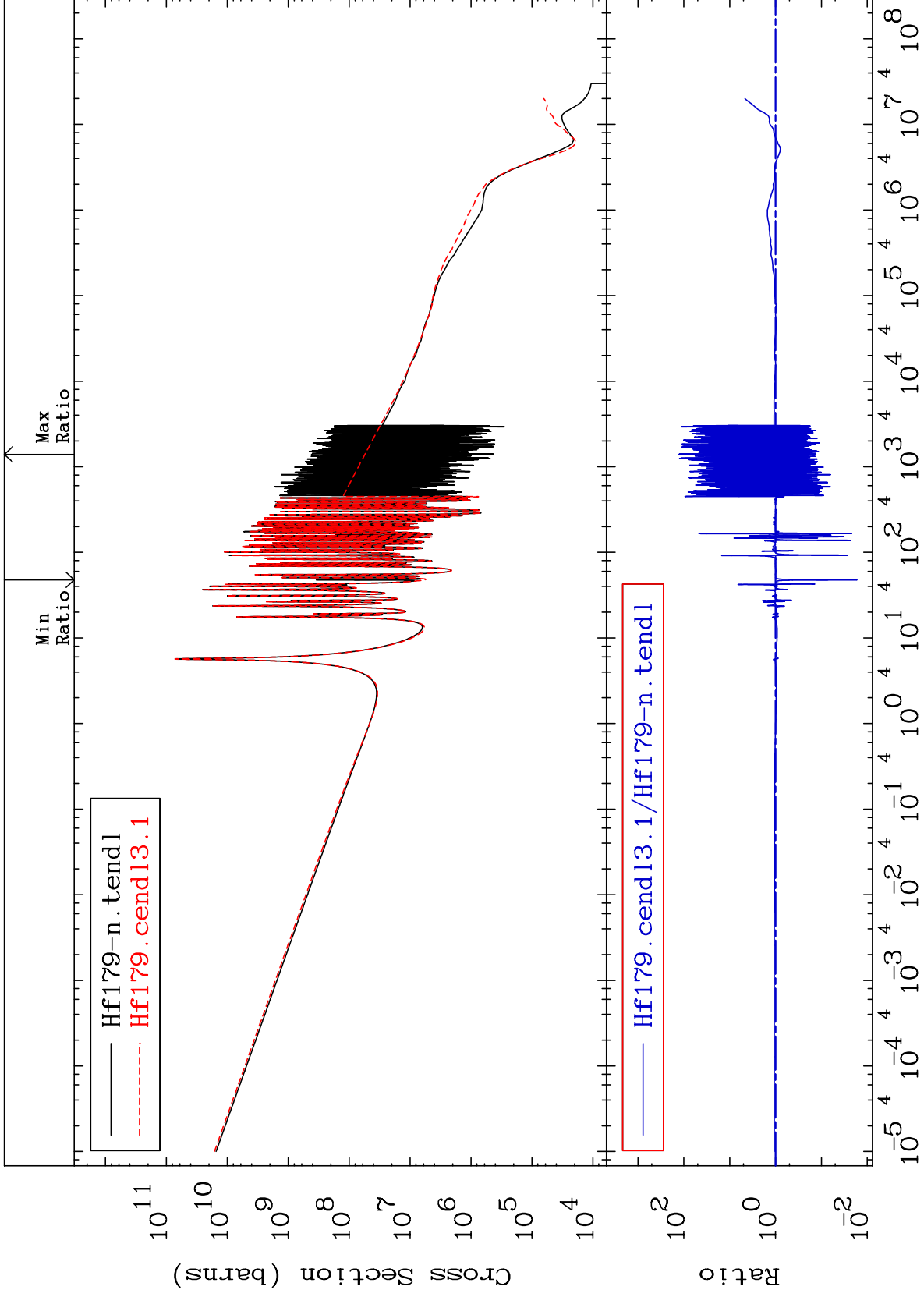


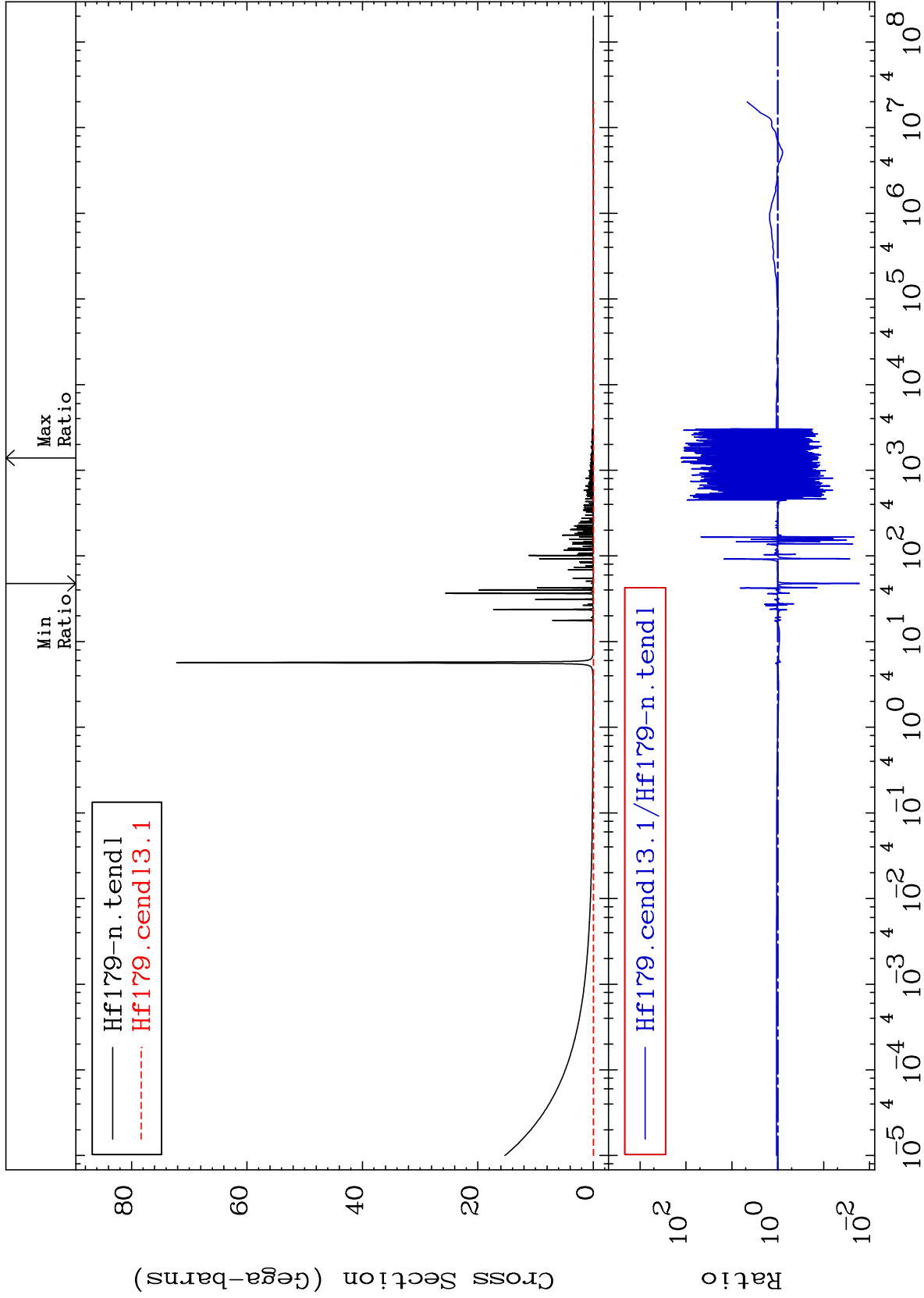
MAT 7240

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

72-Hf-179
-38.64 To 208.6 %



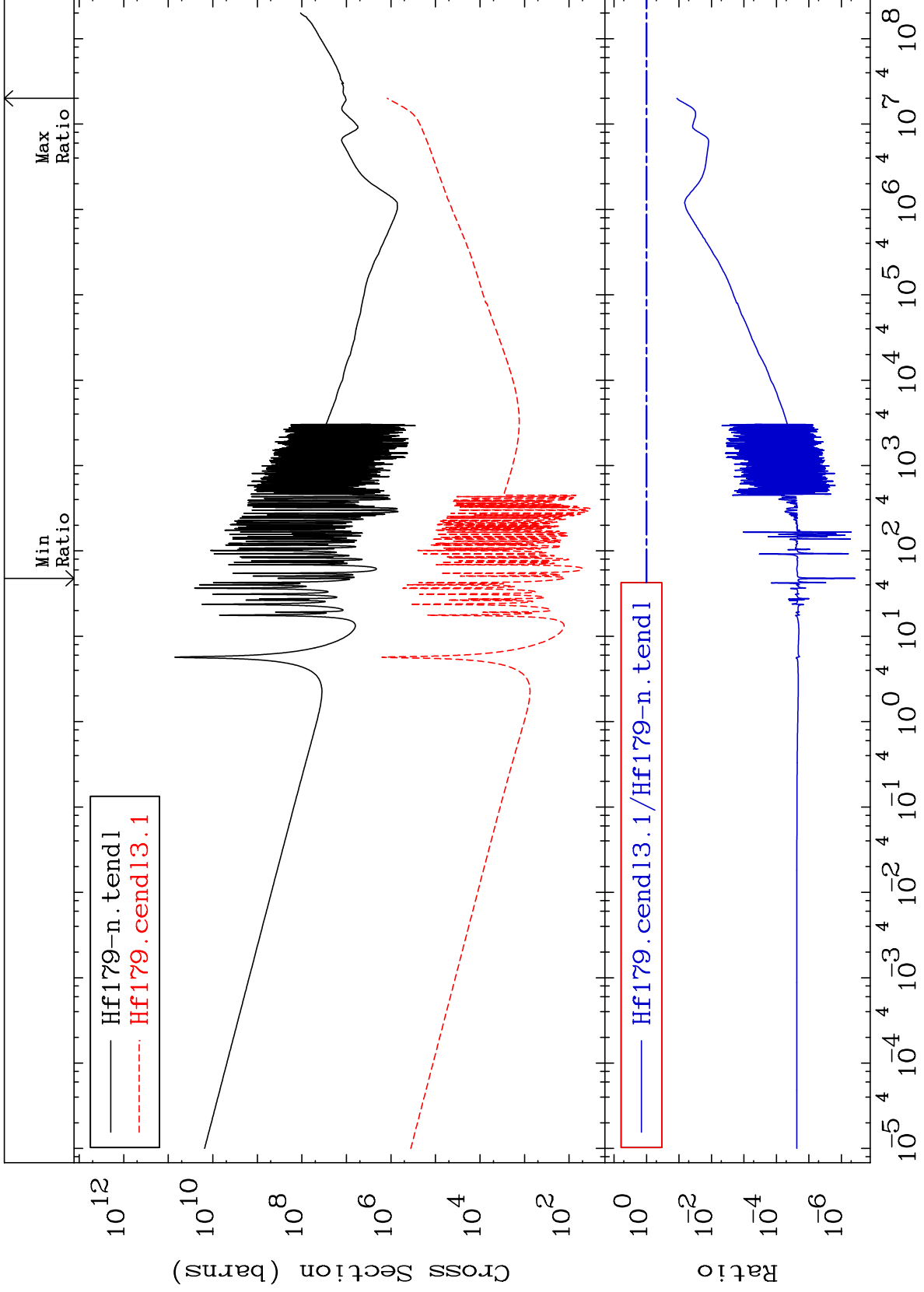




MAT 7240

Total kinematic kerma (high limit)
Cross Section

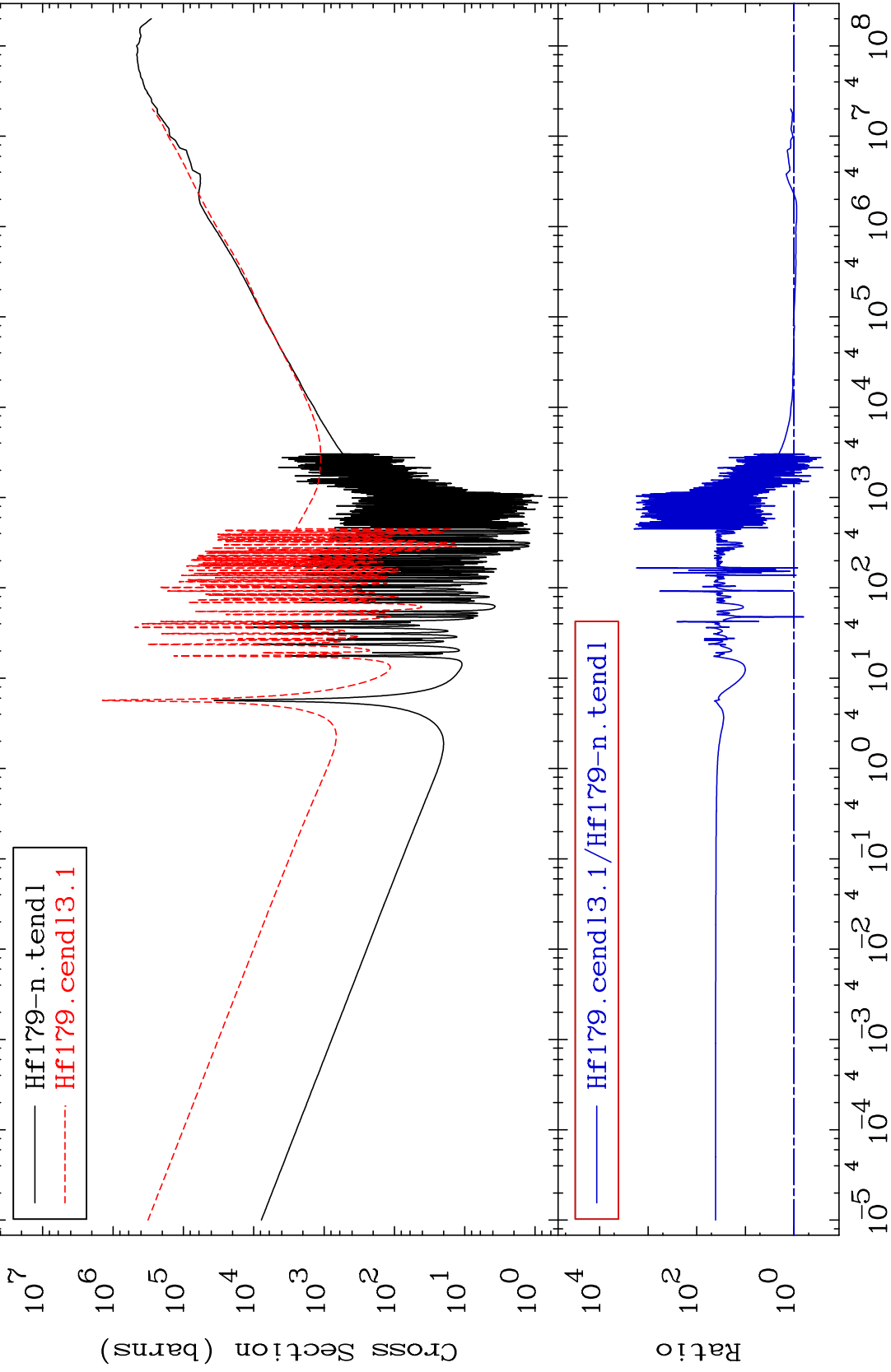
72-Hf-179
-100.0 To -88.43%



MAT 7240

Dpa total (eV-barns)
Cross Section

72-Hf-179
-74.65 To 9999. %



45

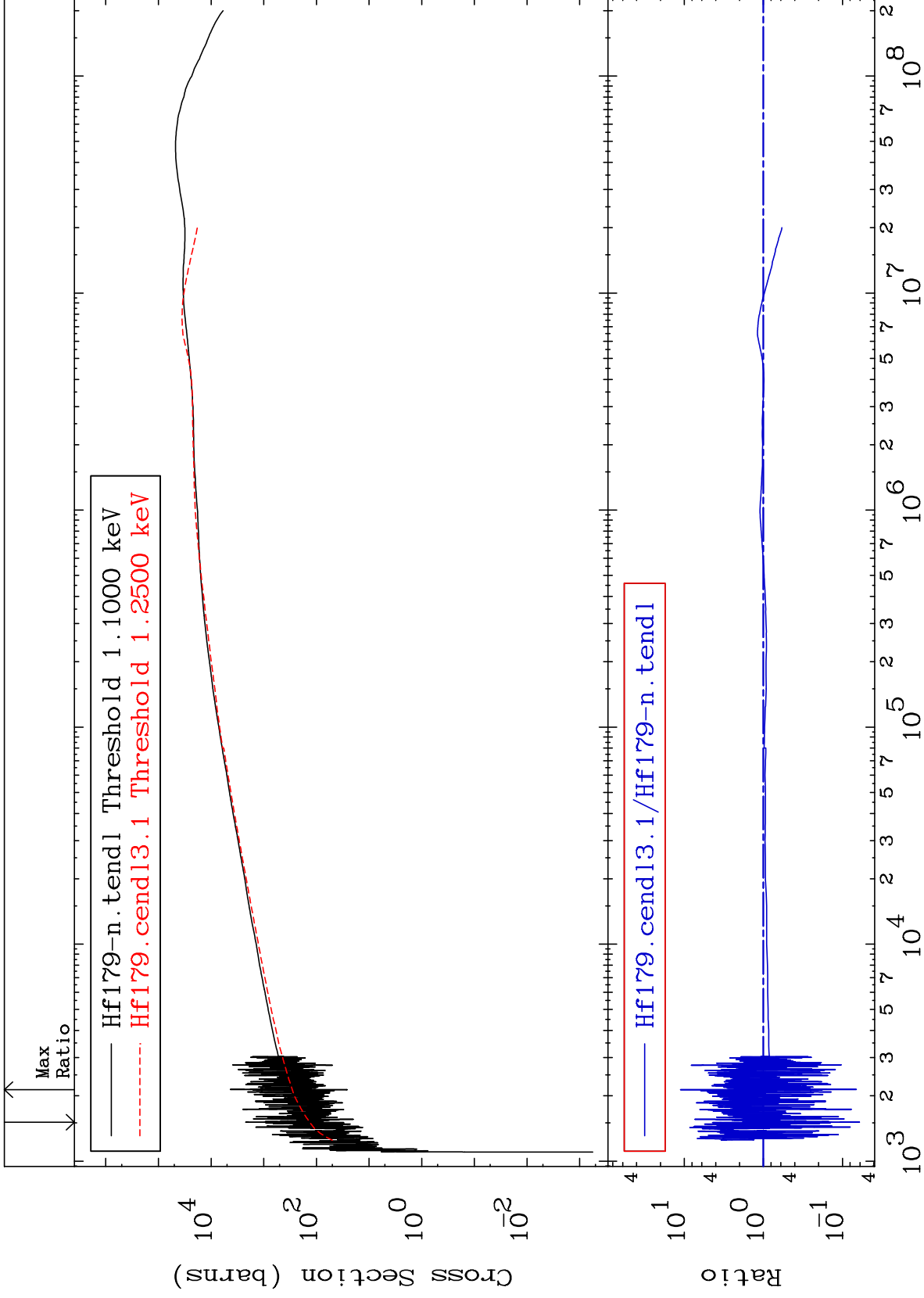
Incident Energy (eV)

72-Hf-179

MAT 7240

Dpa elastic (mt2)
Cross Section

72-Hf-179
-93.90 To 1020. %



MAT 7240

Dpa inelastic (mt51-91)
Cross Section

72-Hf-179
-38.73 To 342.6 %

