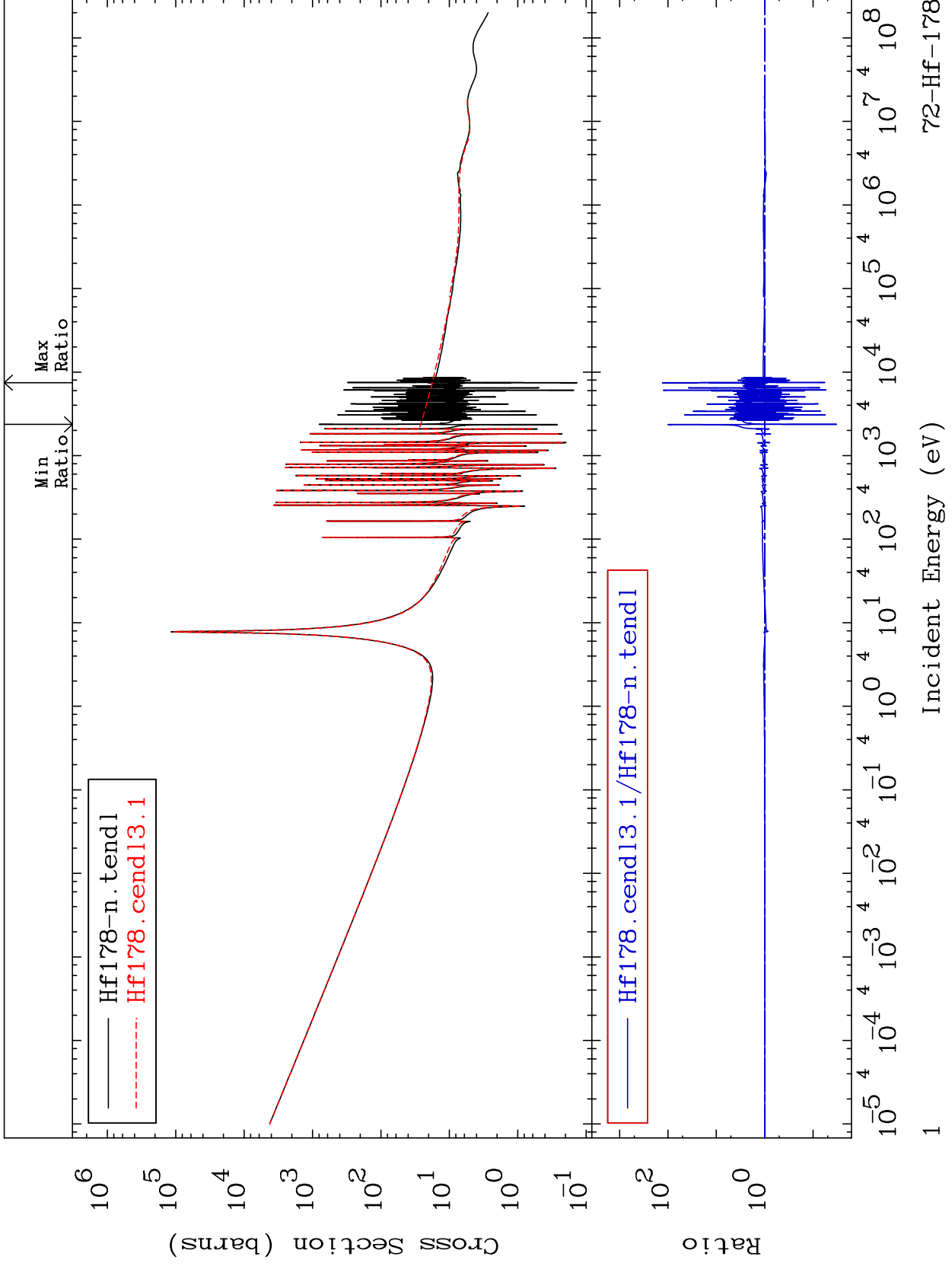


MAT 7237

Total
Cross Section

72-Hf-178
-96.74 To 9999. %



Incident Energy (eV)

72-Hf-178

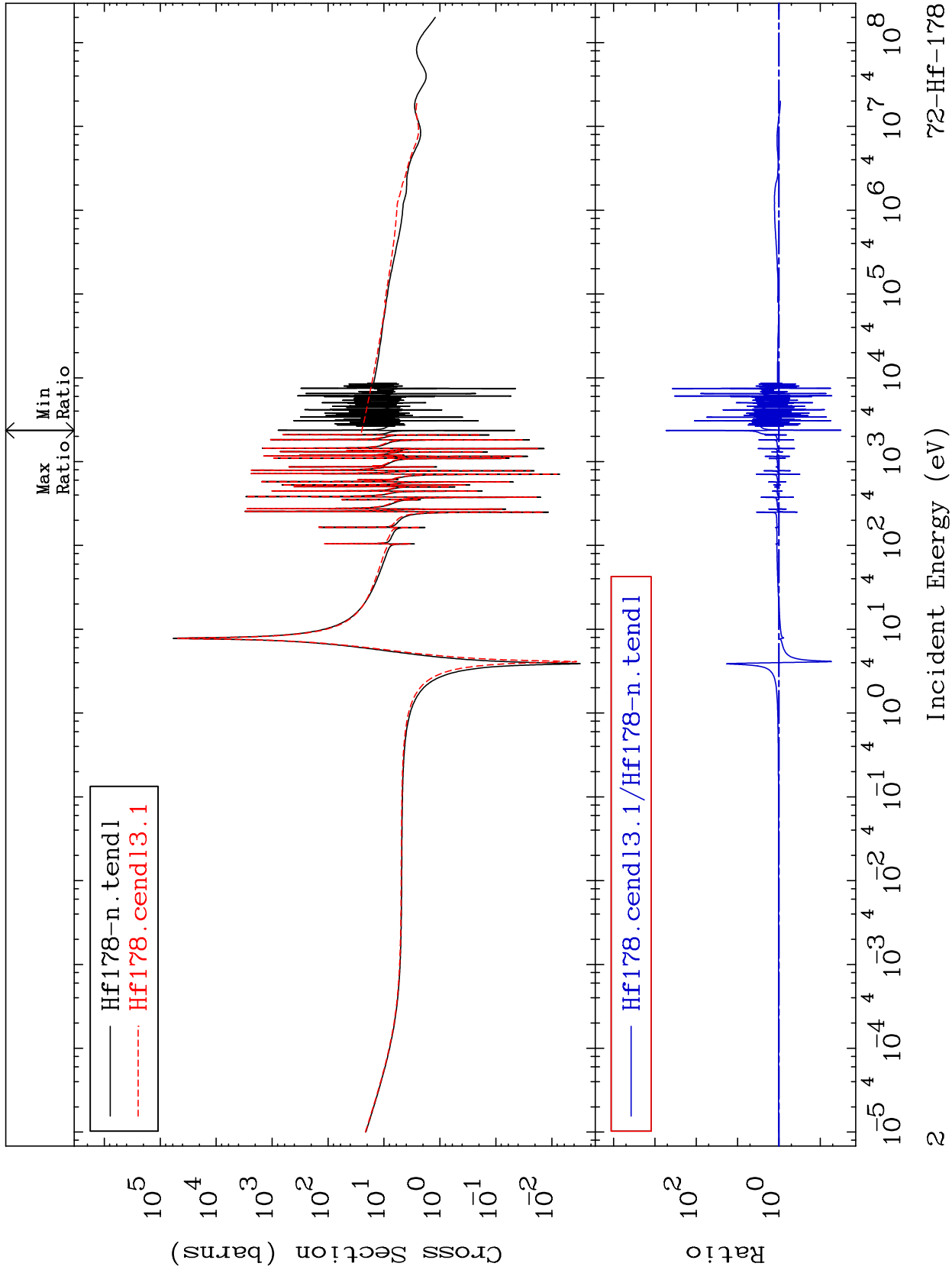
MAT 7237

Elastic

Cross Section

72-Hf-178

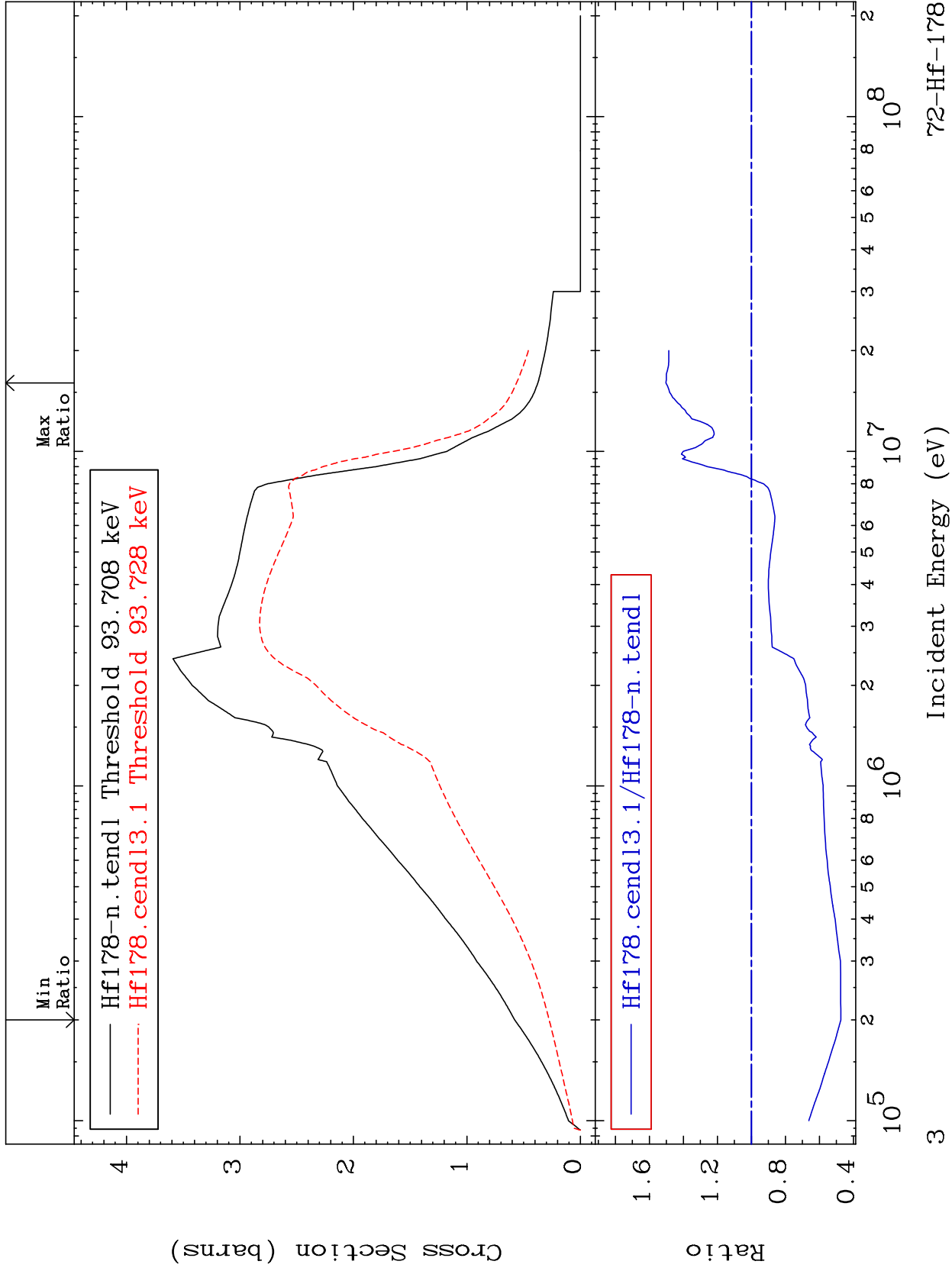
-96.83 To 9999. %



MAT 7237

Inelastic
Cross Section

72-Hf-178
-52.60 To 50.24 %



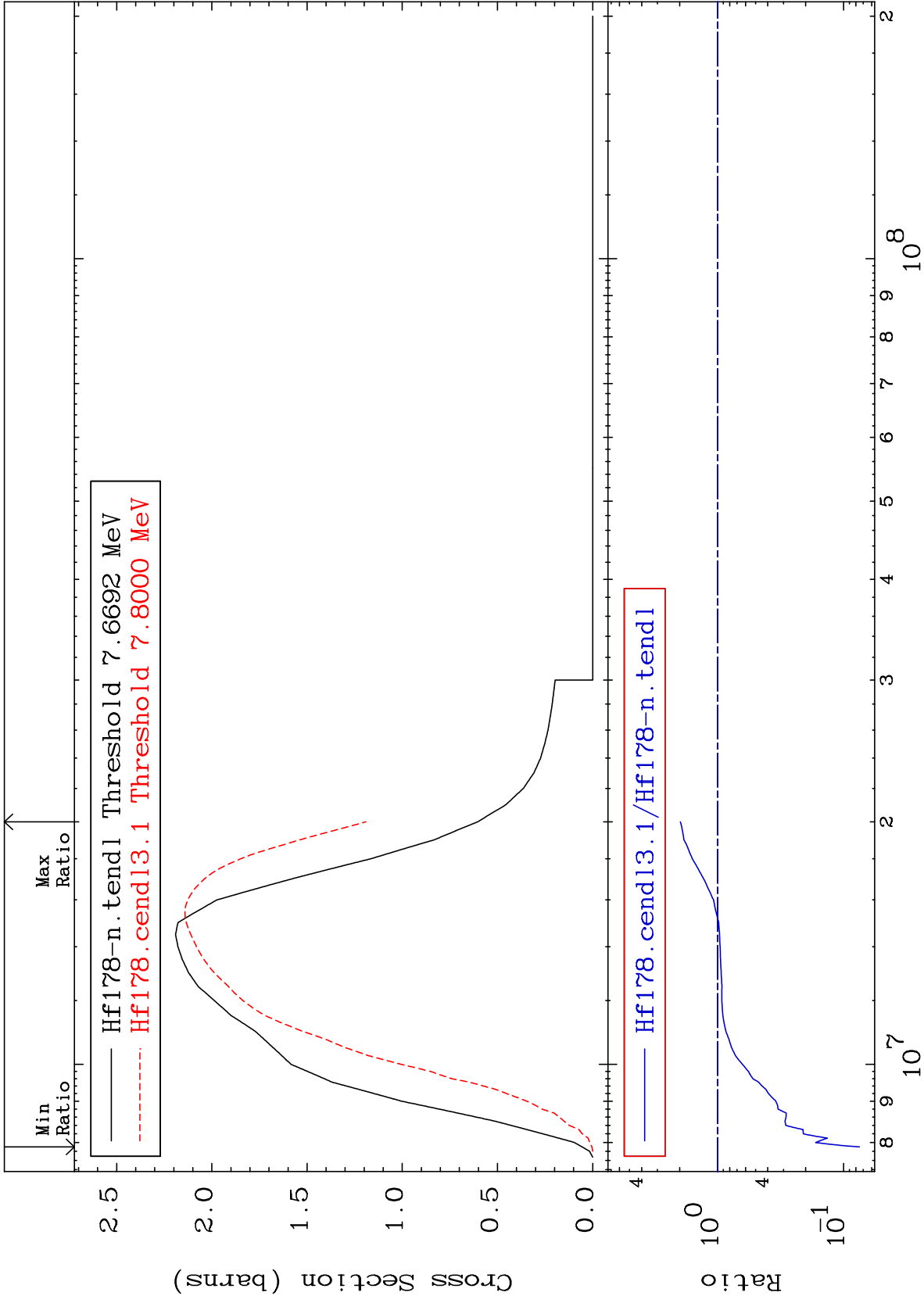
MAT 7237

(n,2n)

72-Hf-178

Cross Section

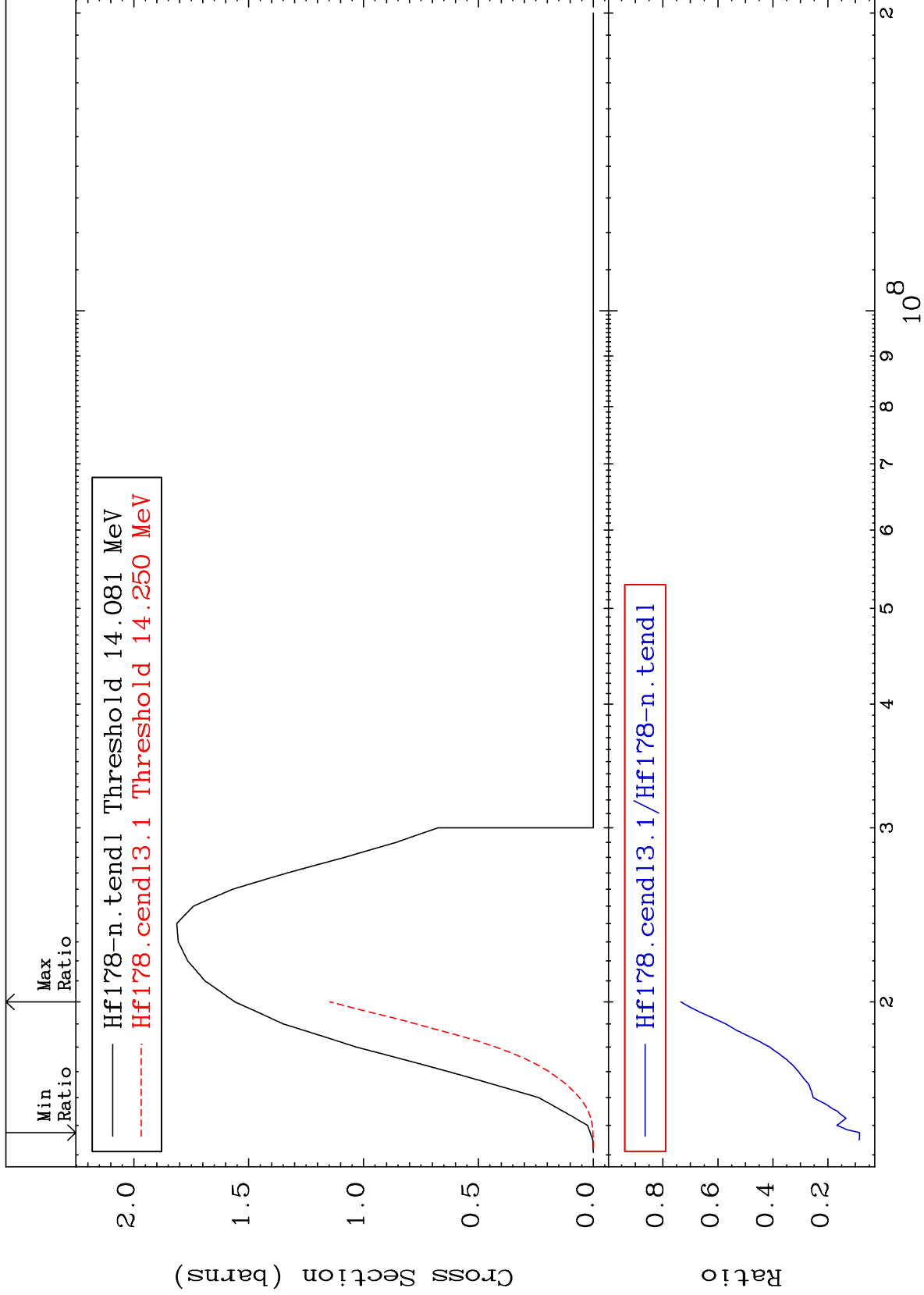
-92.50 To 97.25 %



Incident Energy (eV)

72-Hf-178

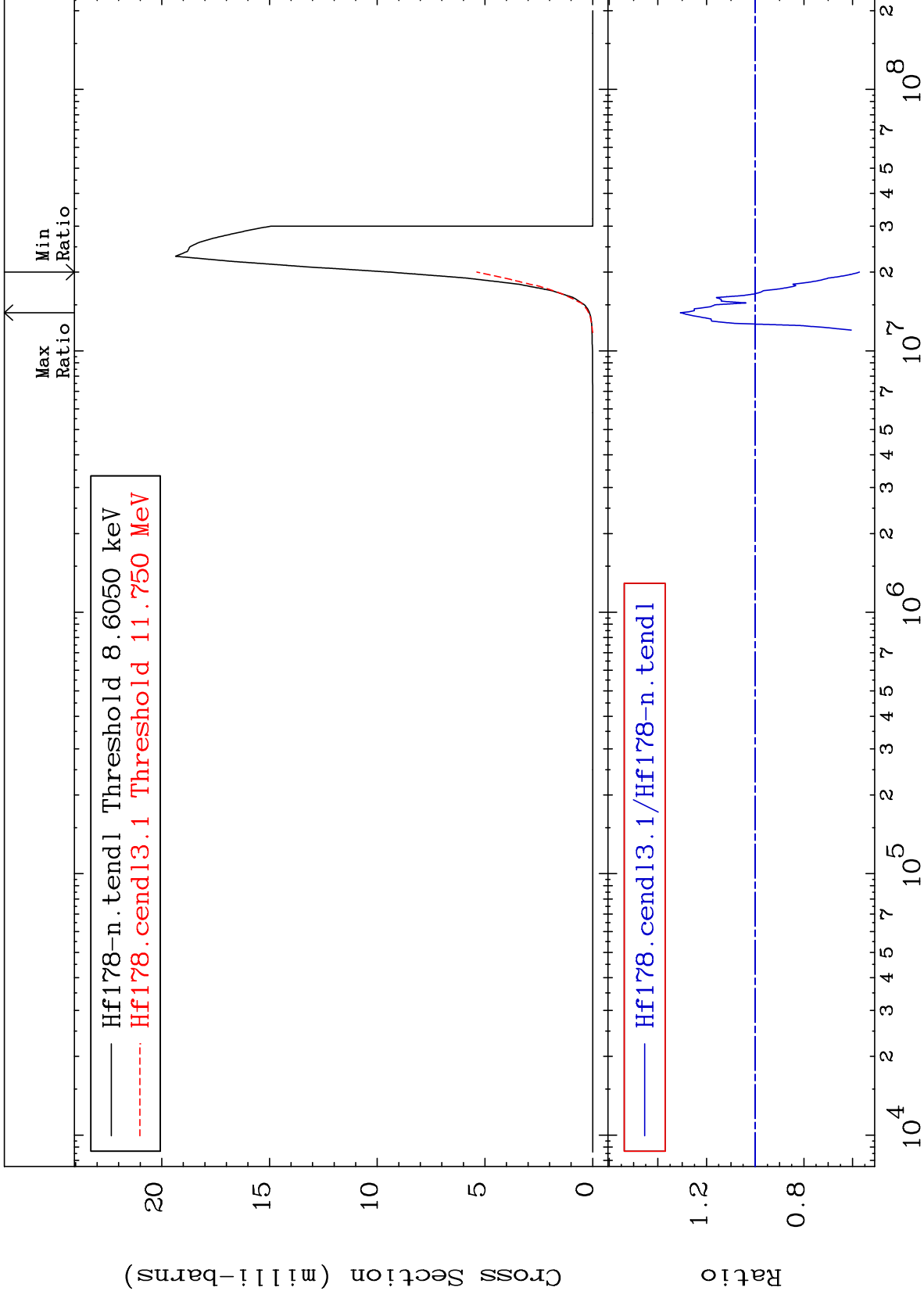
4



MAT 7237

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

72-Hf-178
-42.81 To 30.77 %



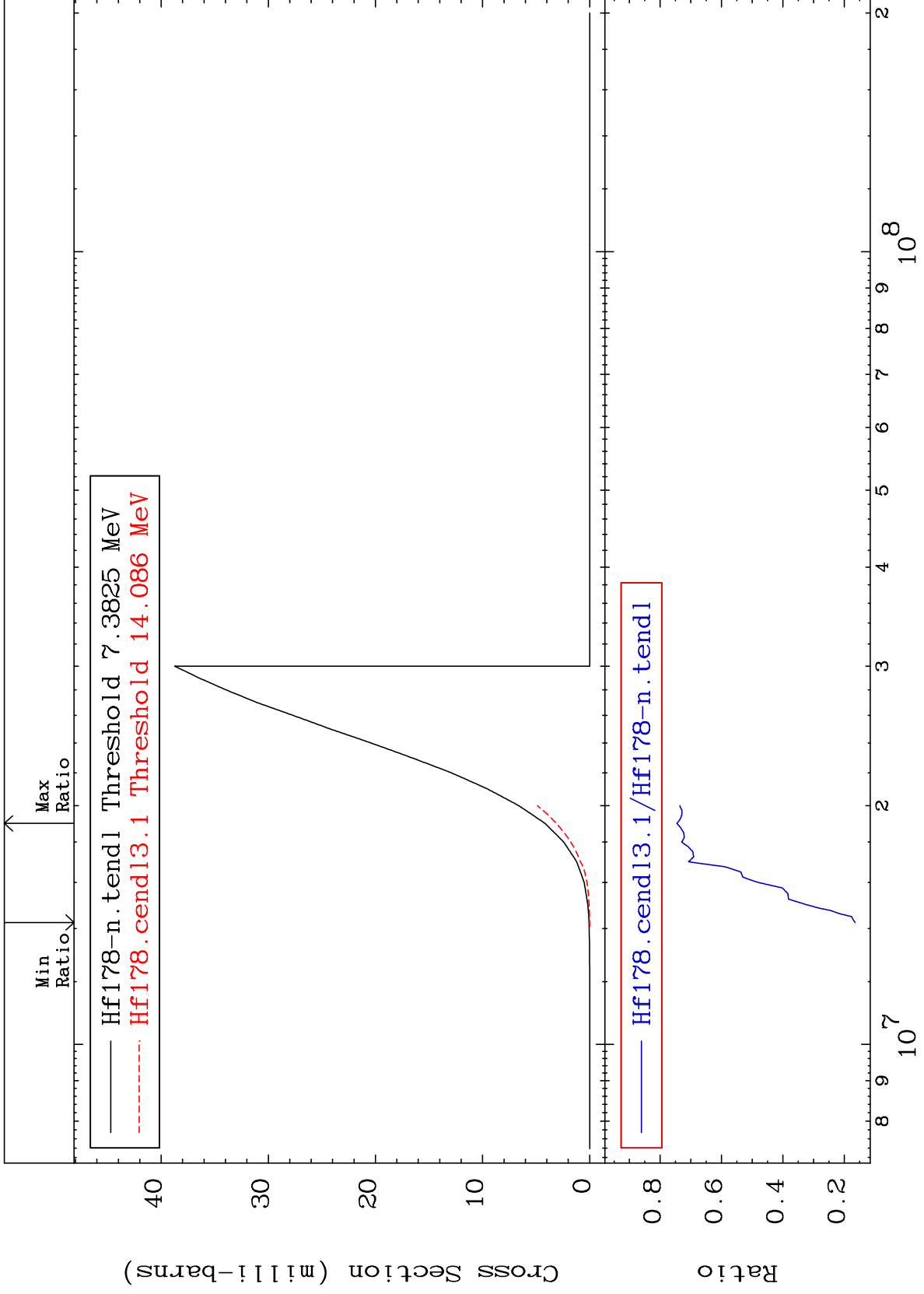
Incident Energy (eV)

72-Hf-178

MAT 7237

(n,n') p
Cross Section

⁷²Hf-178
-83.49 To -25.46%



7

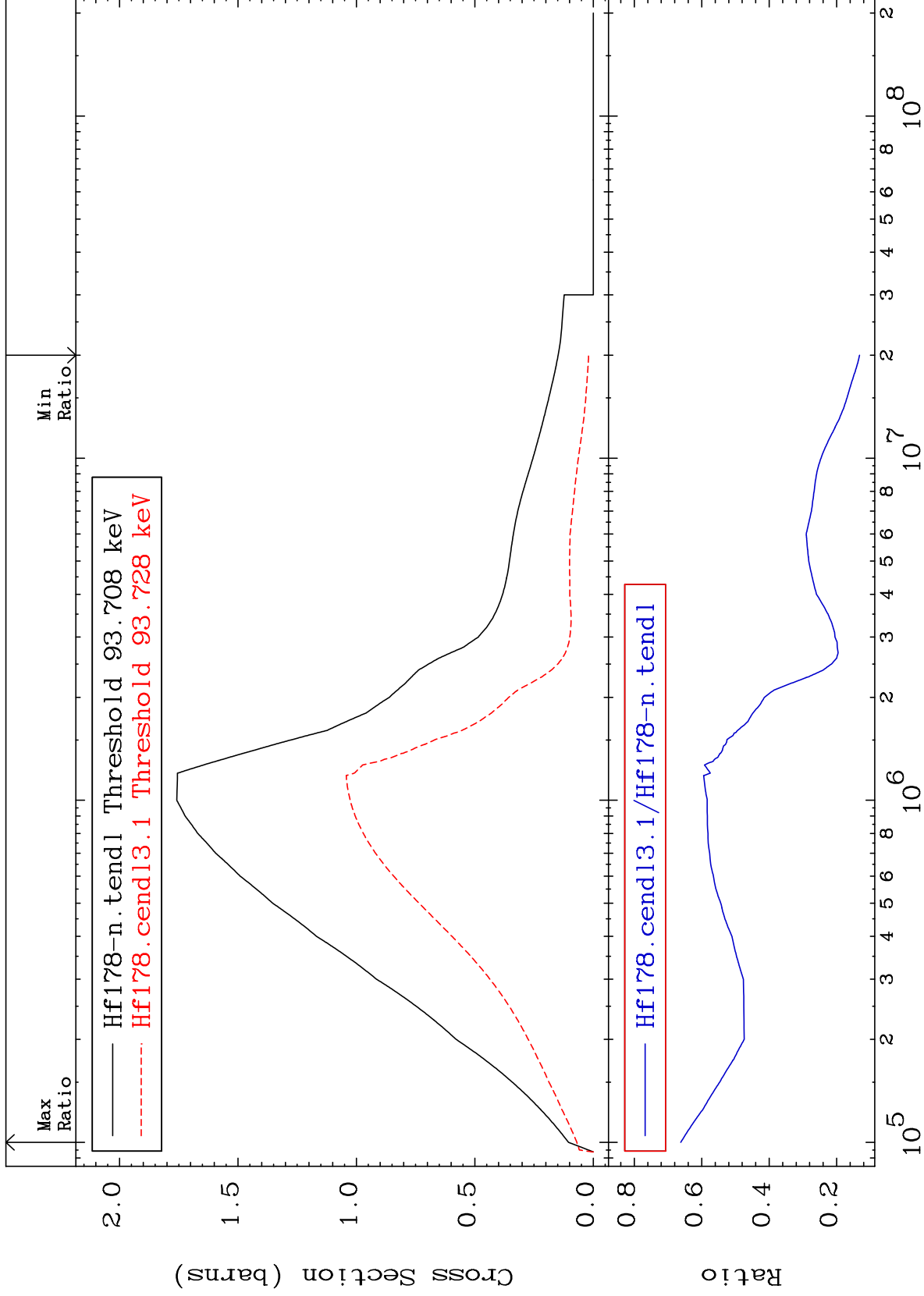
Incident Energy (eV)

⁷²Hf-178

MAT 7237

93.18 keV (n,n') Level
Cross Section

72-Hf-178
-86.80 To -33.79%



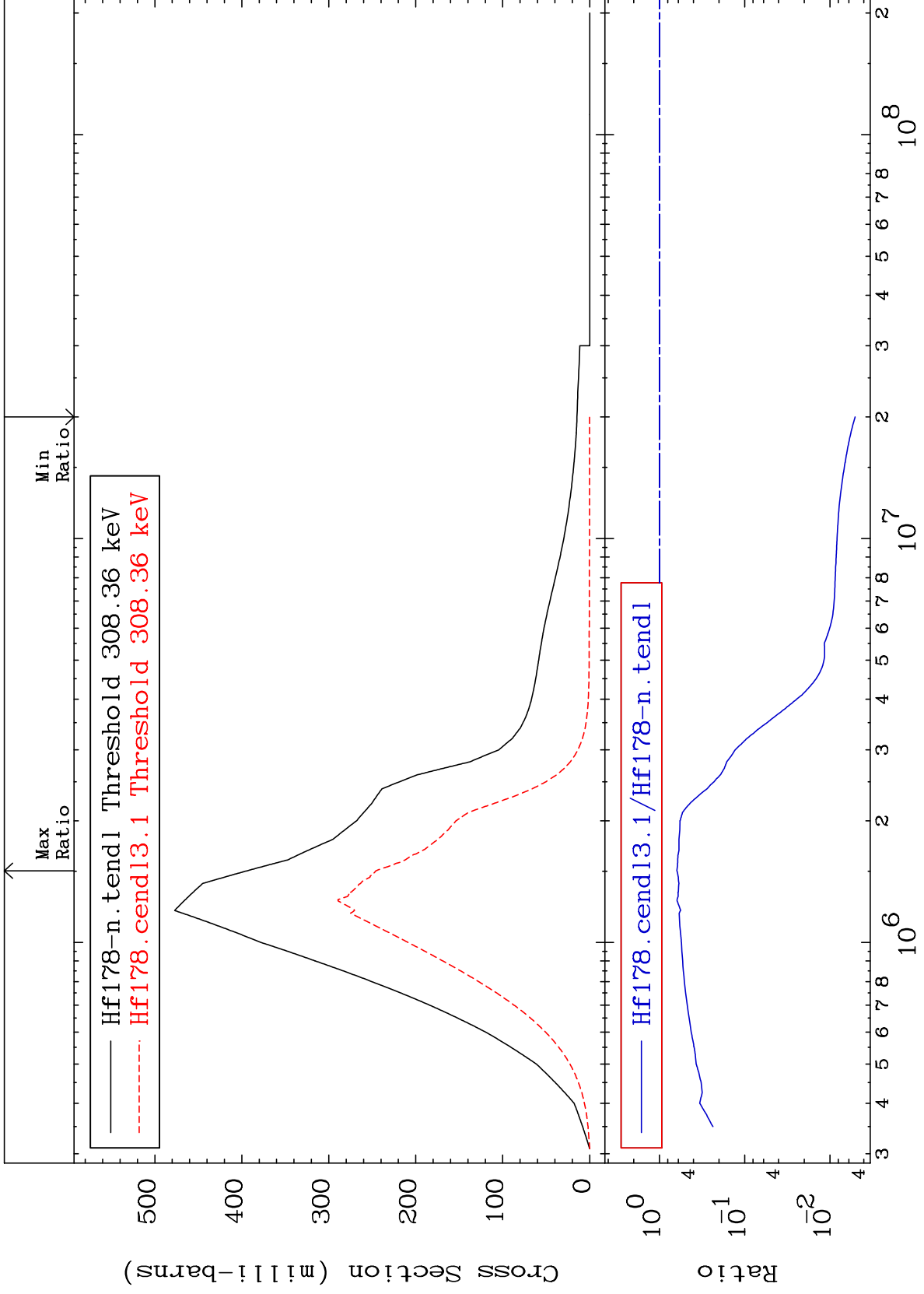
Incident Energy (eV)

72-Hf-178

MAT 7237

306.6 keV (n,n') Level
Cross Section

72-Hf-178
-99.49 To -37.59%



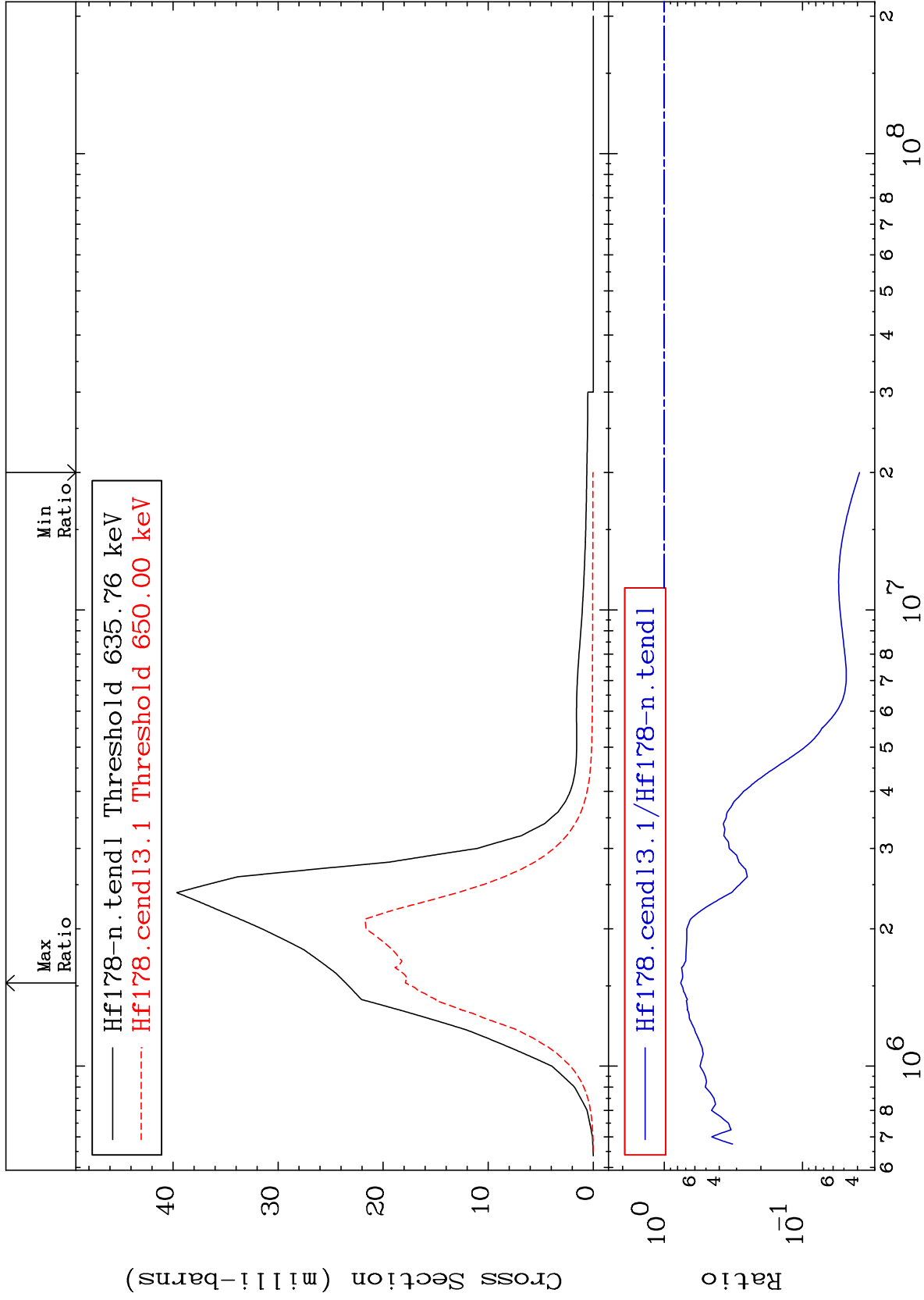
MAT 7237

632.2 keV (n,n') Level

72-Hf-178

Cross Section

-96.14 To -24.10%



10

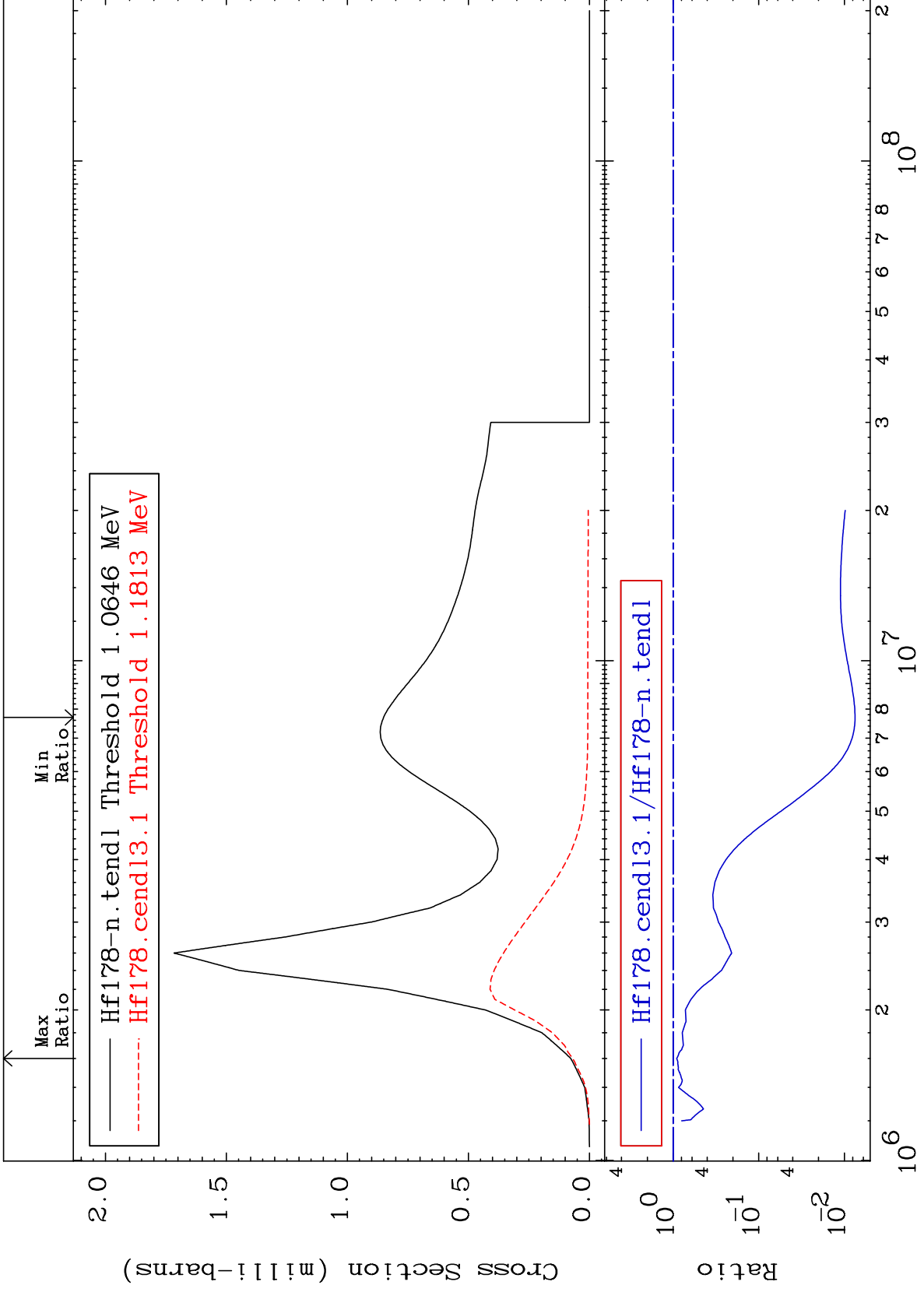
Incident Energy (eV)

72-Hf-178

MAT 7237

1.059 MeV (n,n') Level
Cross Section

72-Hf-178
-99.25 To -9.287%



11

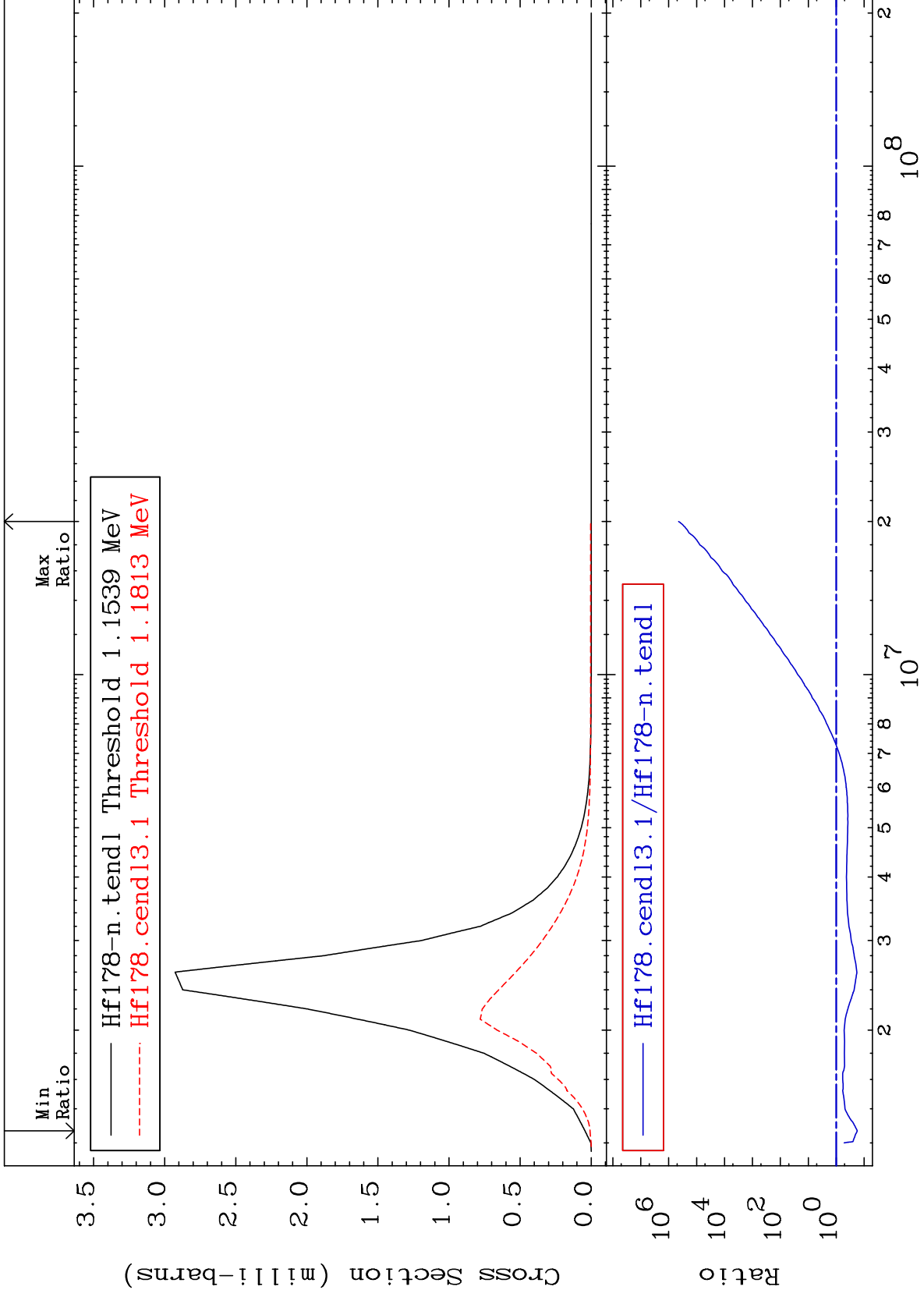
Incident Energy (eV)

72-Hf-178

MAT 7237

1.147 MeV (n,n') Level
Cross Section

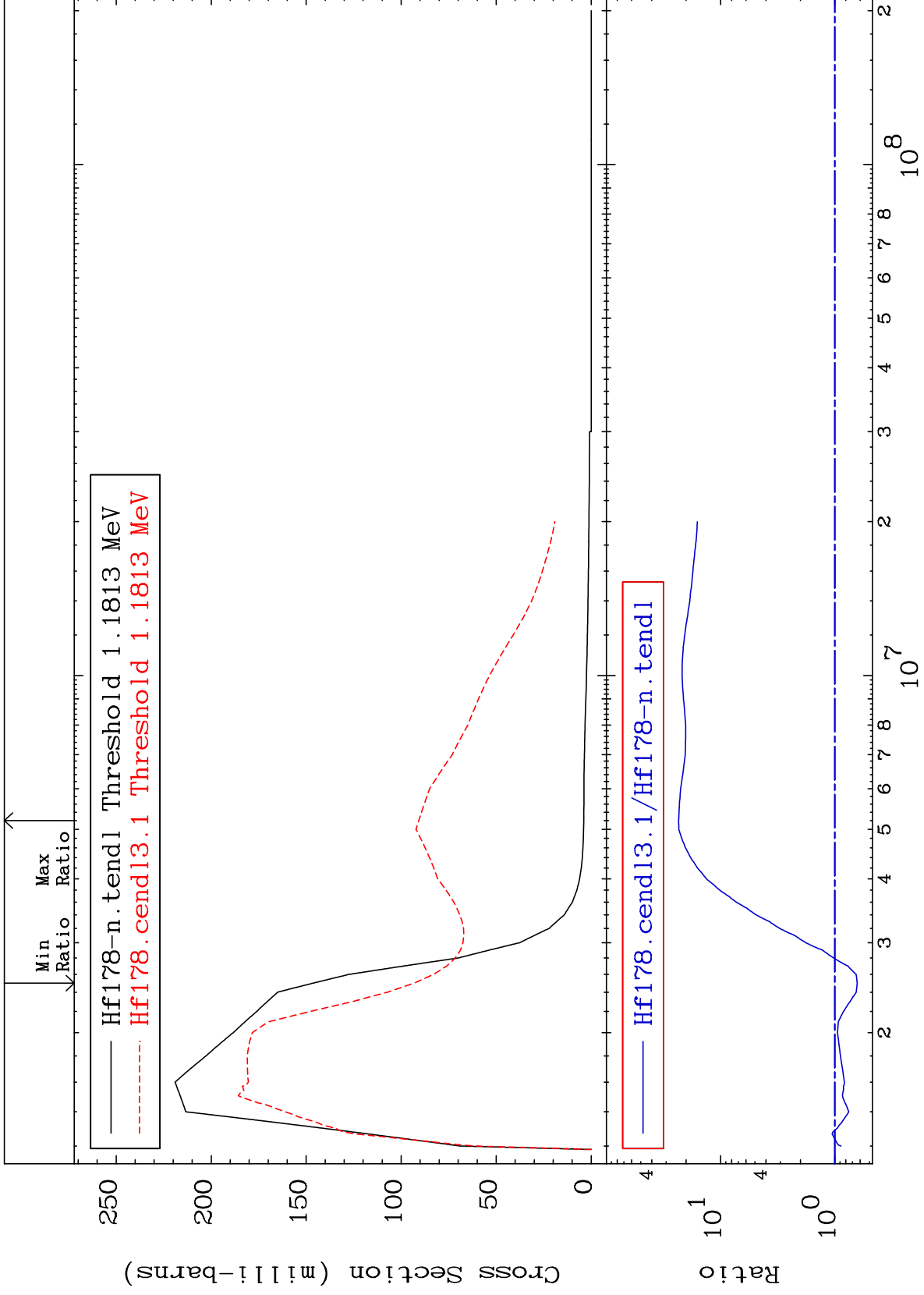
⁷²Hf-178
-82.40 To 9999. %



MAT 7237

1.175 MeV (n,n') Level
Cross Section

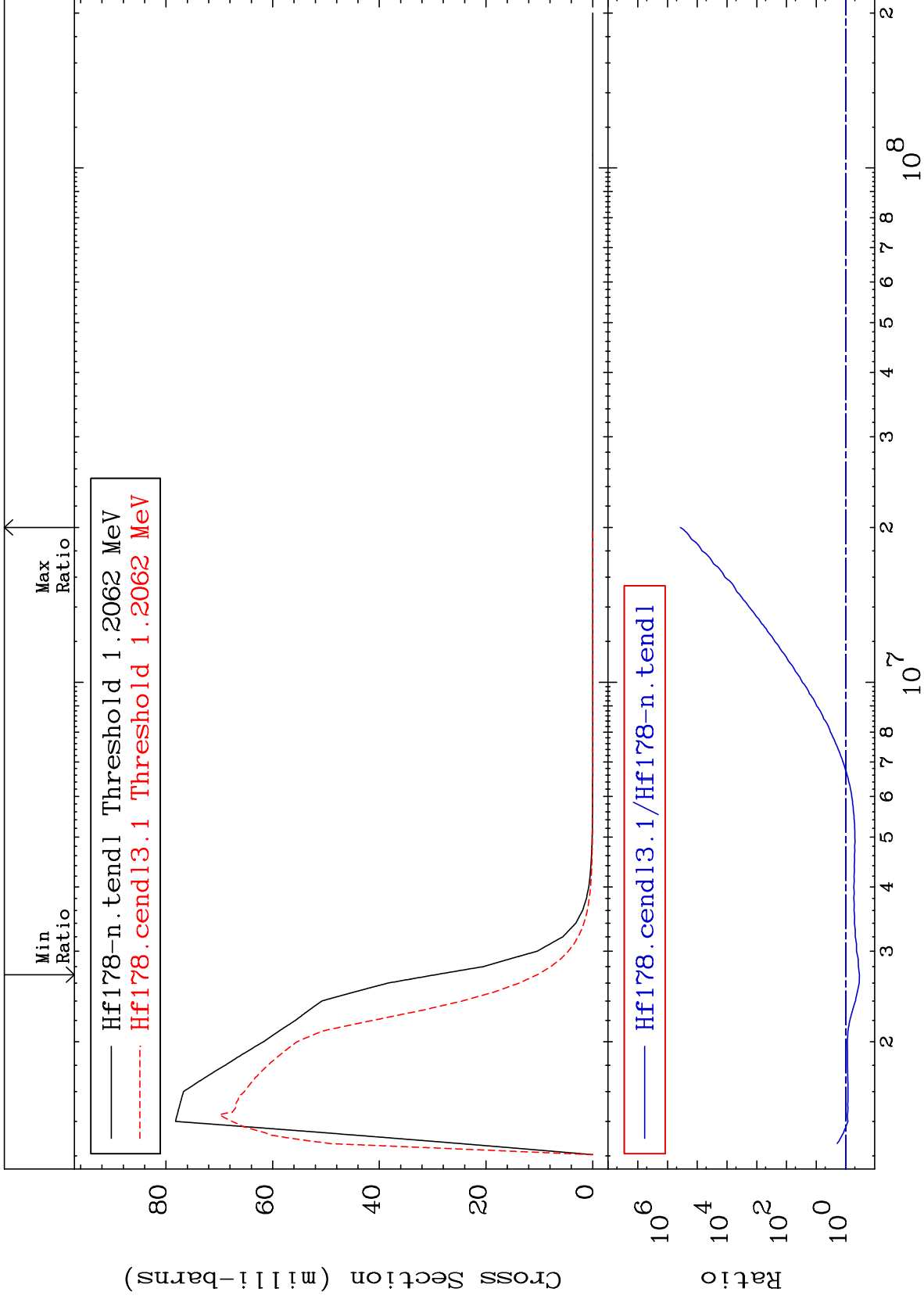
72-Hf-178
-36.36 To 2226. %



MAT 7237

1.199 MeV (n,n') Level
Cross Section

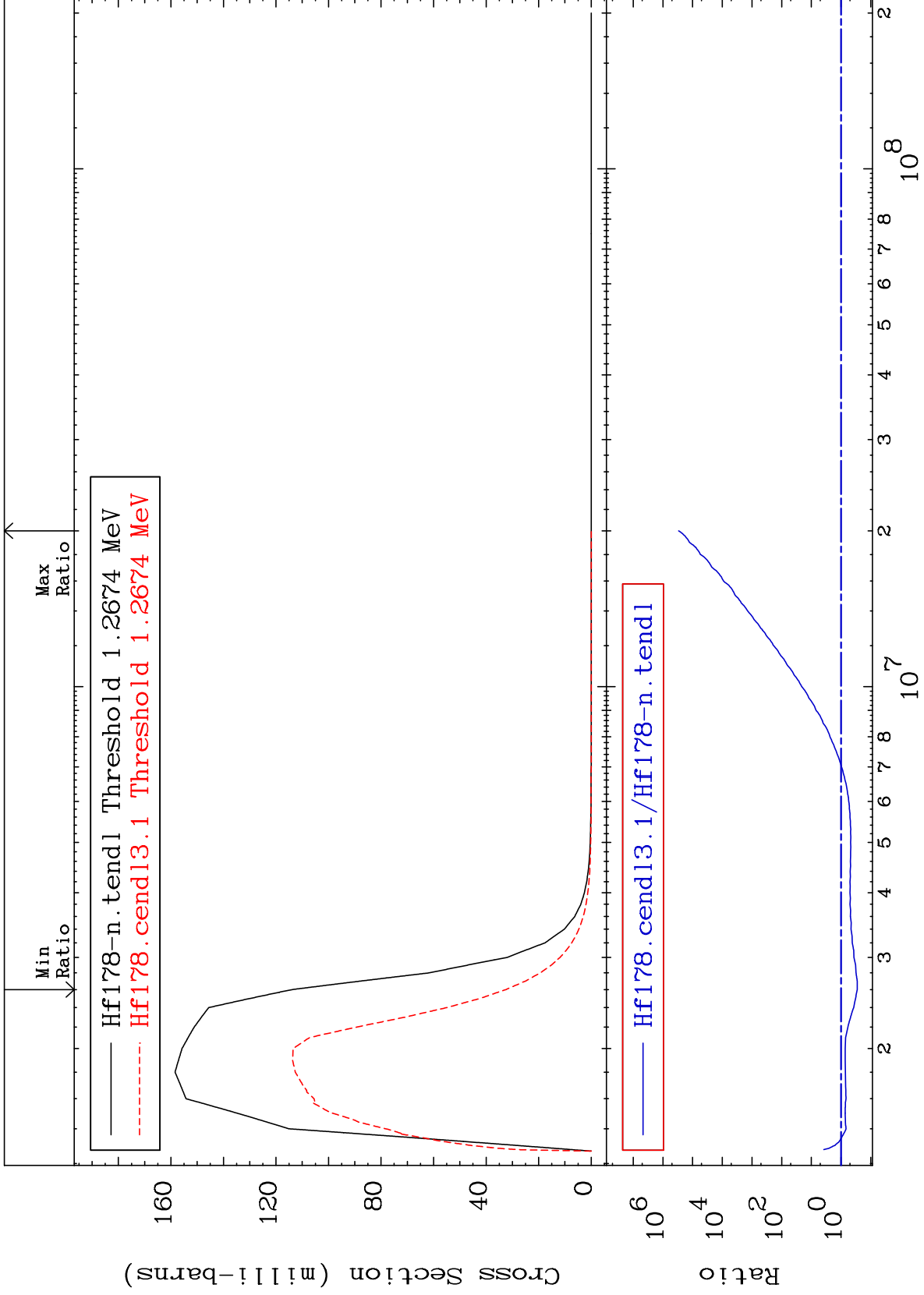
⁷²Hf-178
-64.74 To 9999. %



MAT 7237

1.260 MeV (n,n') Level
Cross Section

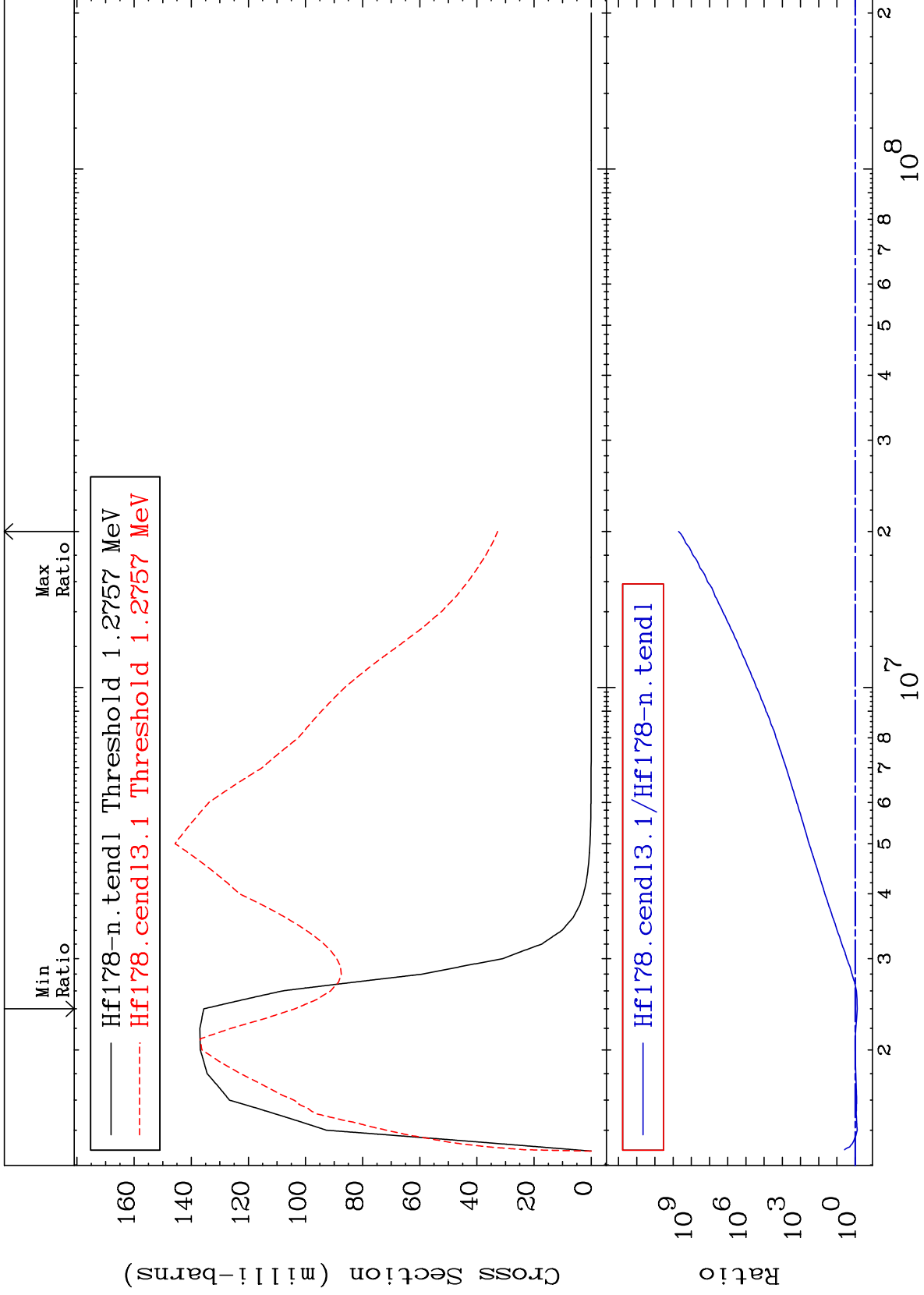
72-Hf-178
-71.50 To 9999. %



MAT 7237

1.269 MeV (n,n') Level
Cross Section

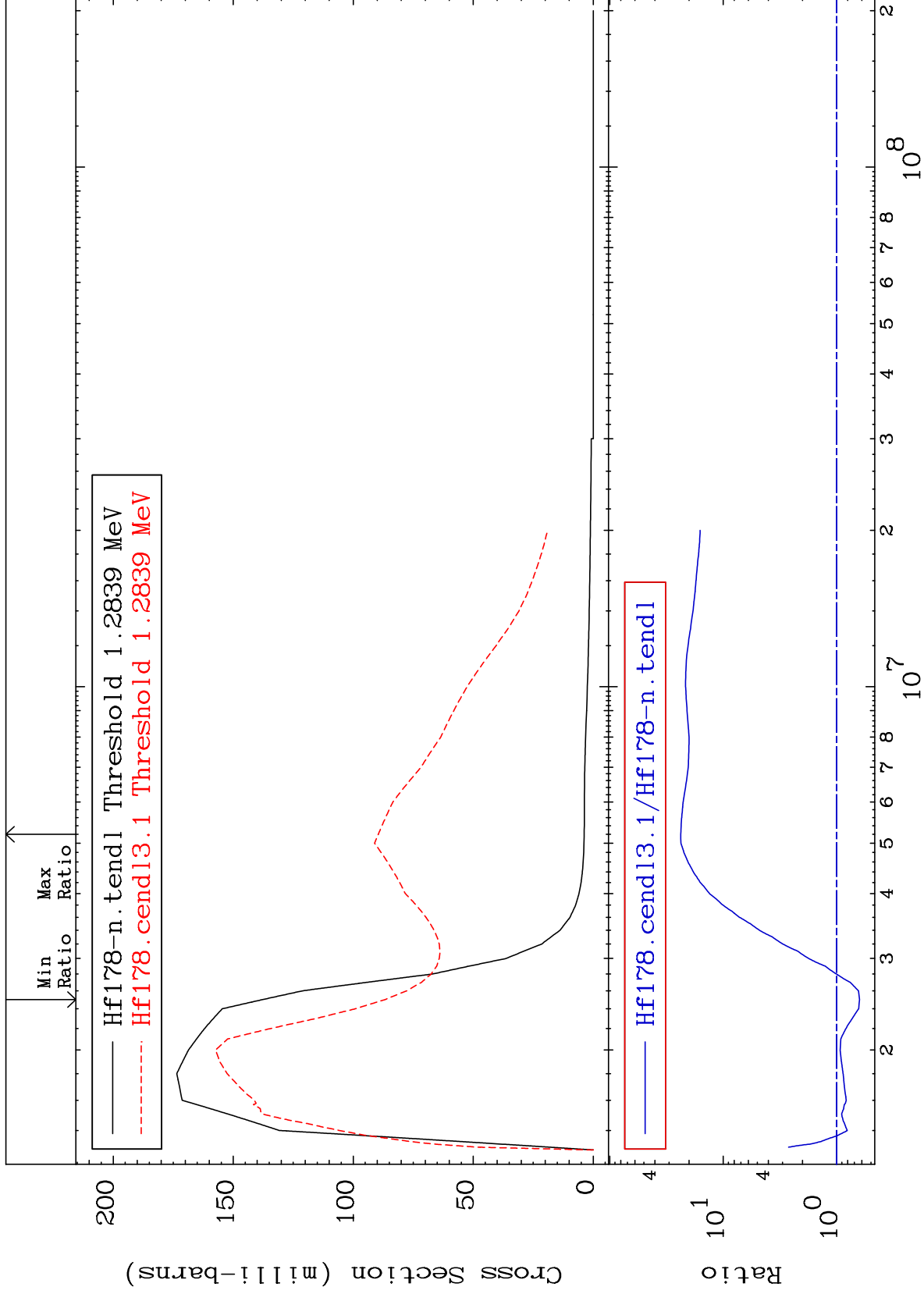
72-Hf-178
-23.51 To 9999. %



MAT 7237

1.277 MeV (n,n') Level
Cross Section

72-Hf-178
-37.04 To 2267. %



17

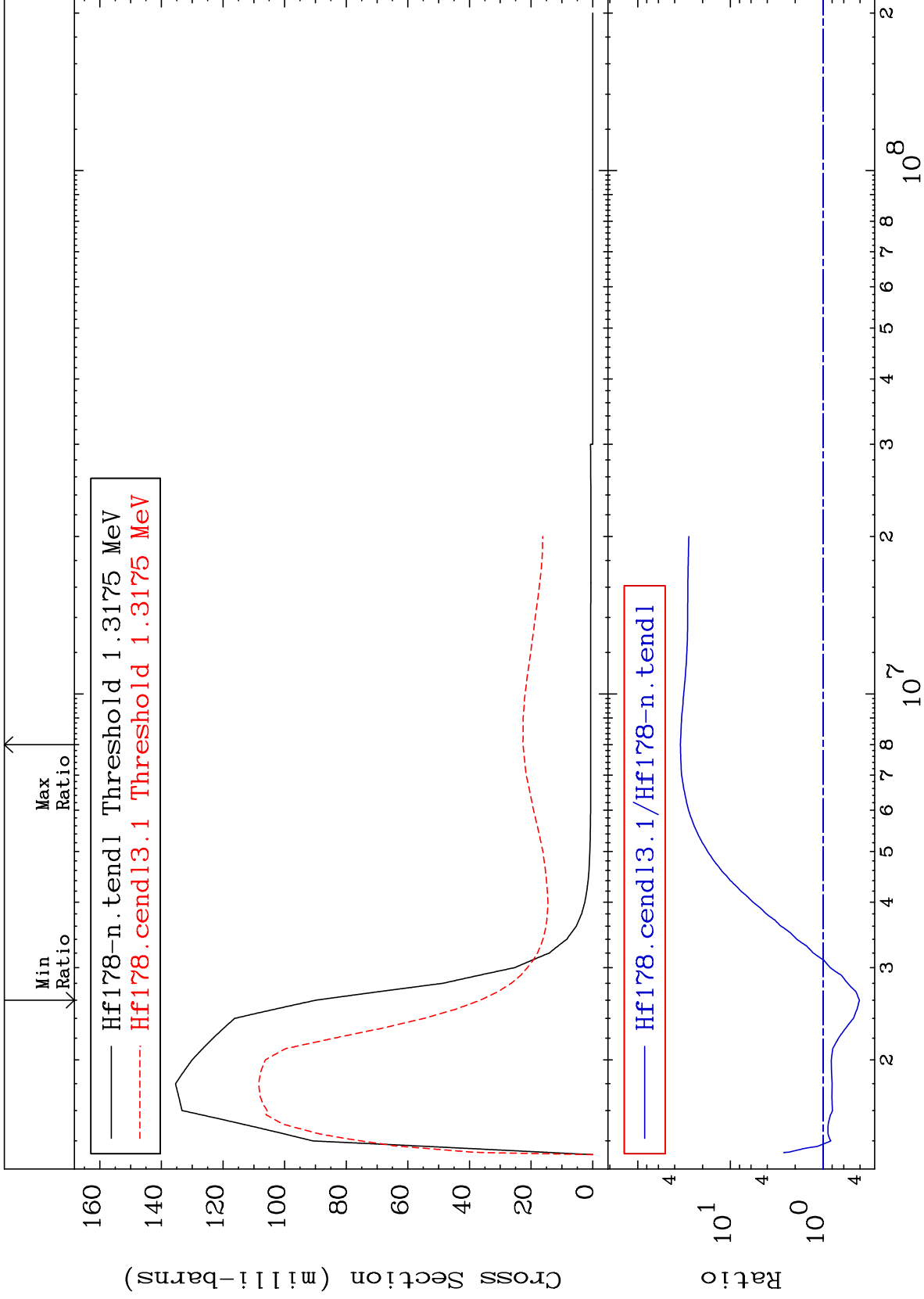
Incident Energy (eV)

72-Hf-178

MAT 7237

1.310 MeV (n,n') Level
Cross Section

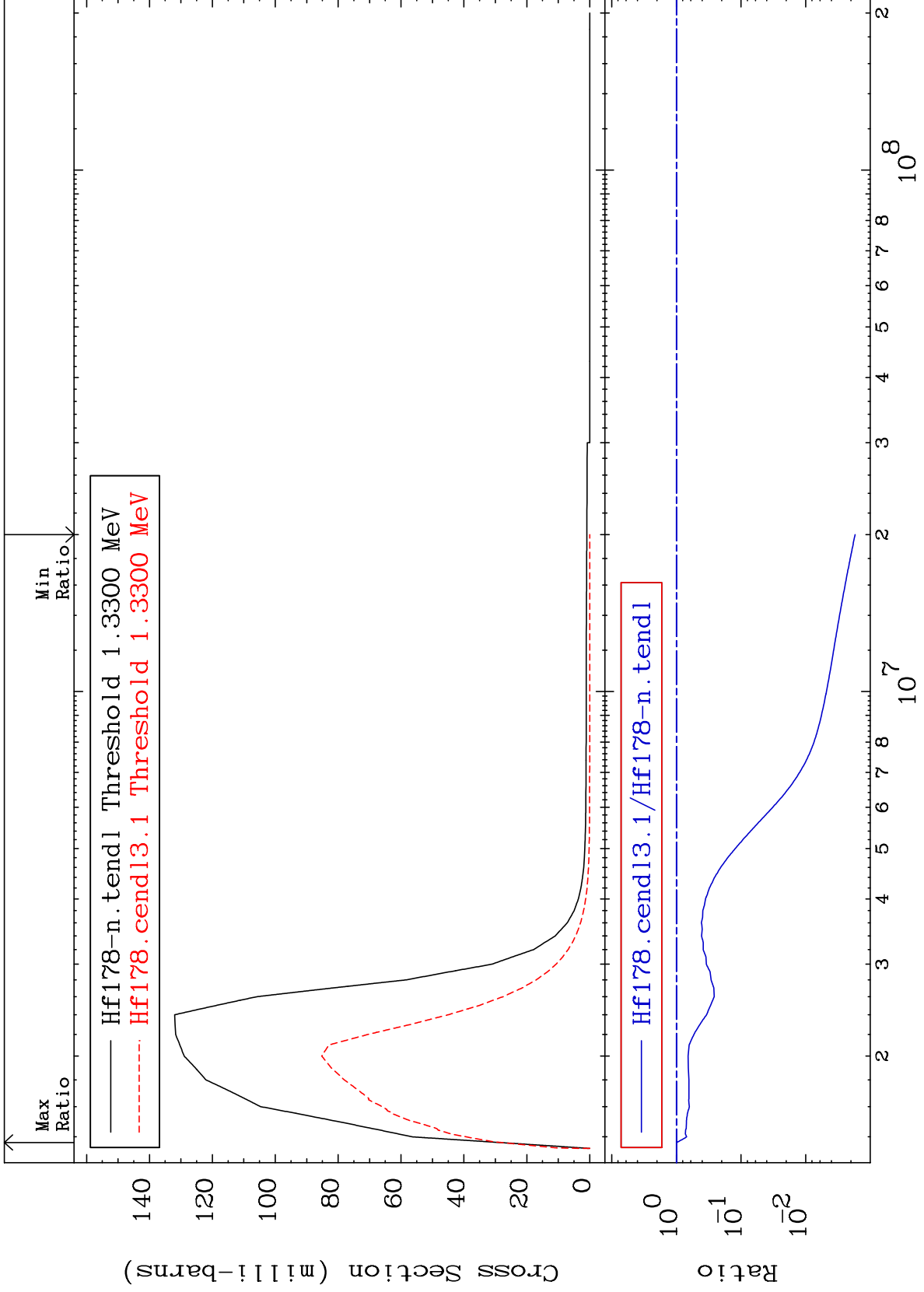
72-Hf-178
-59.40 To 3370. %



MAT 7237

1.322 MeV (n,n') Level
Cross Section

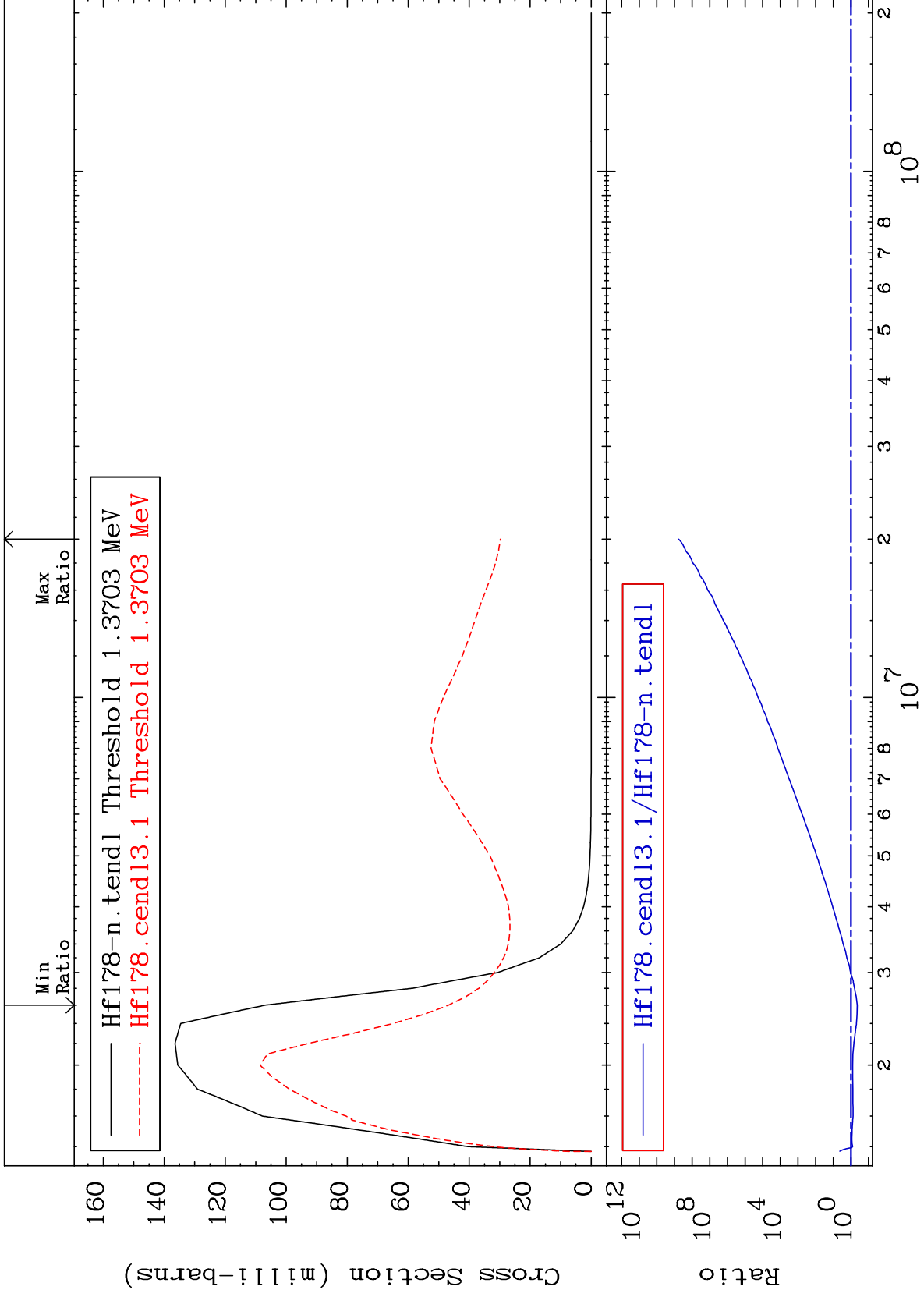
72-Hf-178
-99.83 To -1.865%



MAT 7237

1.363 MeV (n,n') Level
Cross Section

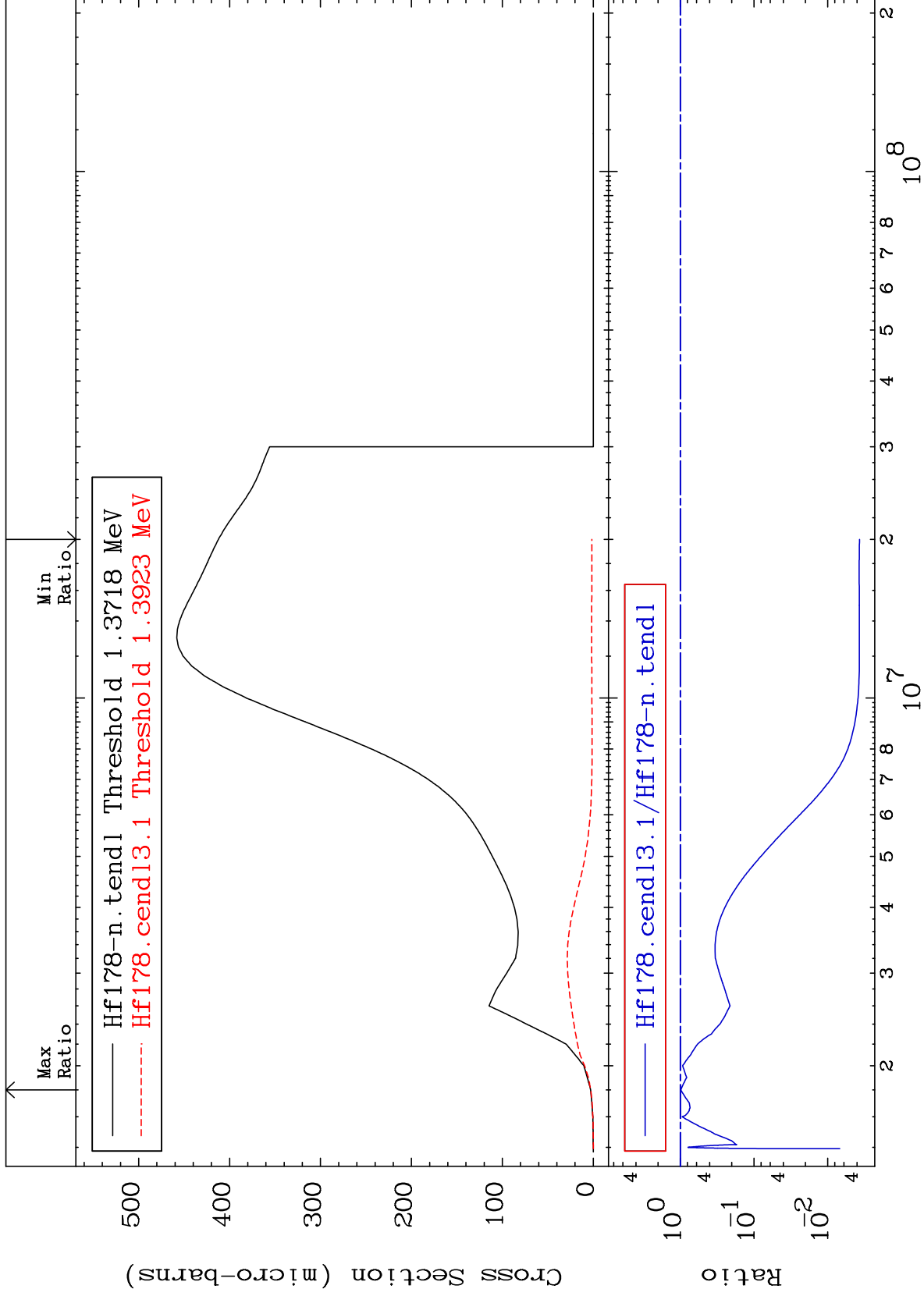
72-Hf-178
-56.23 To 9999. %



MAT 7237

1.364 MeV (n,n') Level
Cross Section

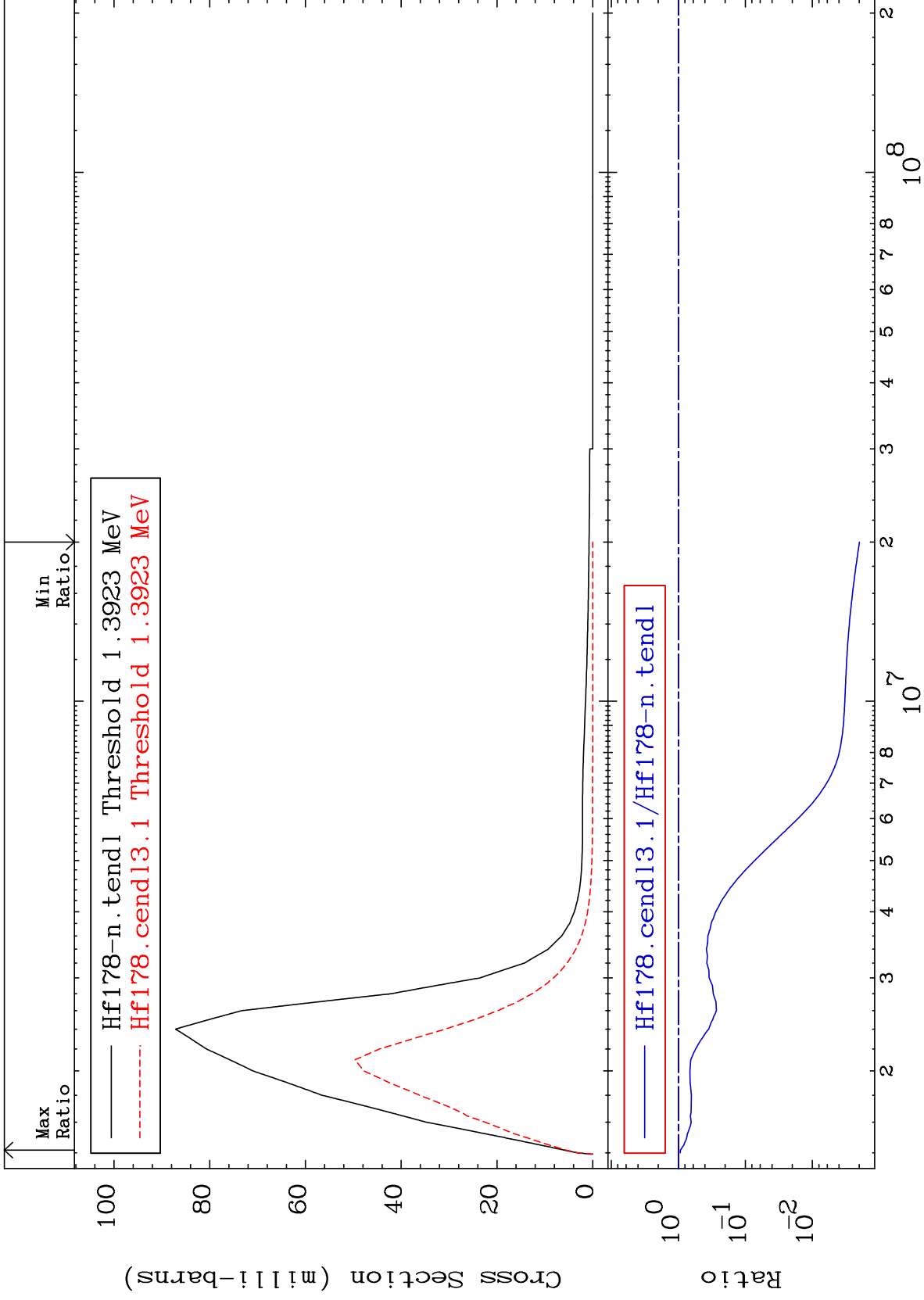
⁷²Hf-178
-99.63 To -1.586%



MAT 7237

1.384 MeV (n,n') Level
Cross Section

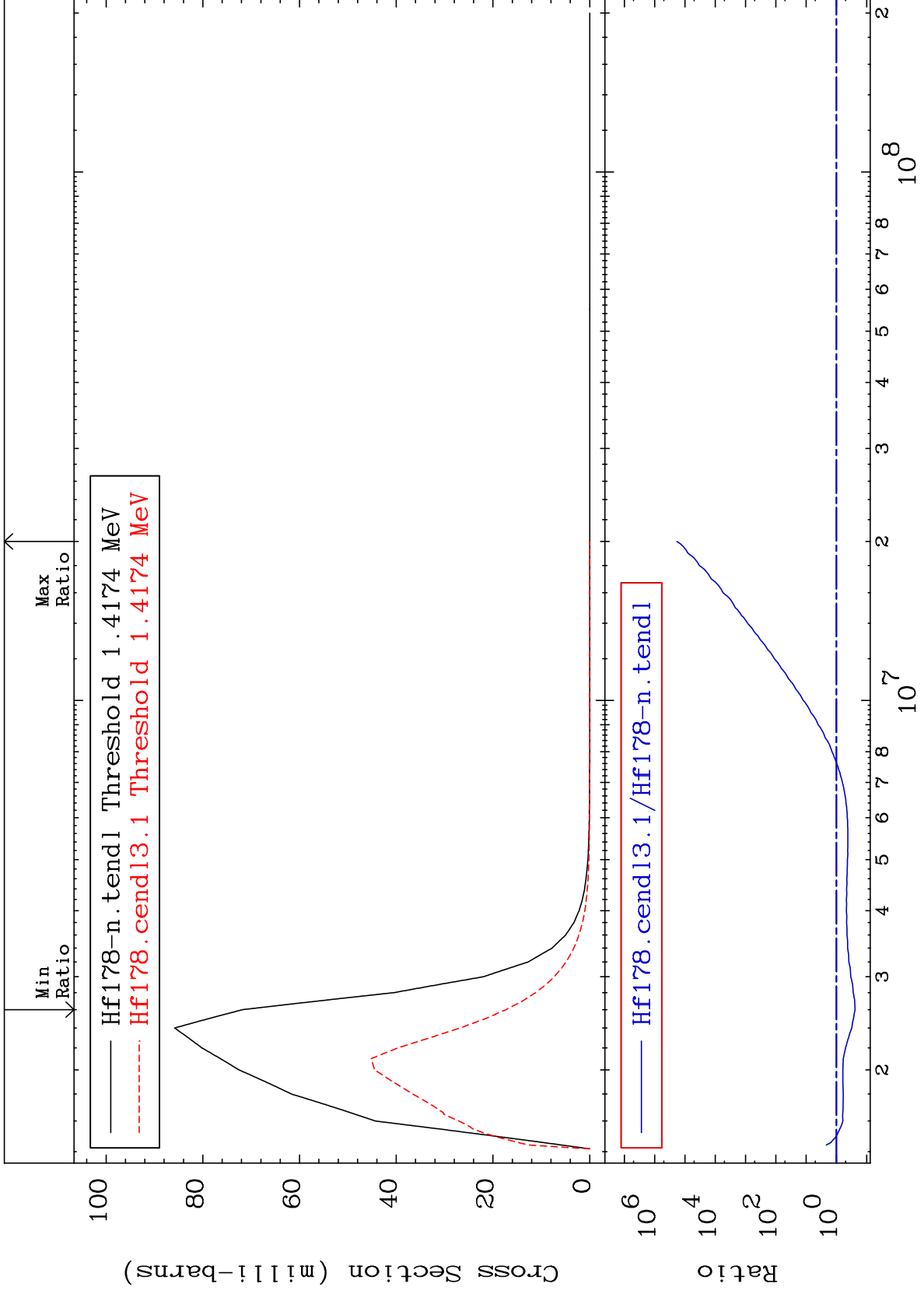
72-Hf-178
-99.80 To -6.684%



MAT 7237

1.409 MeV (n,n') Level
Cross Section

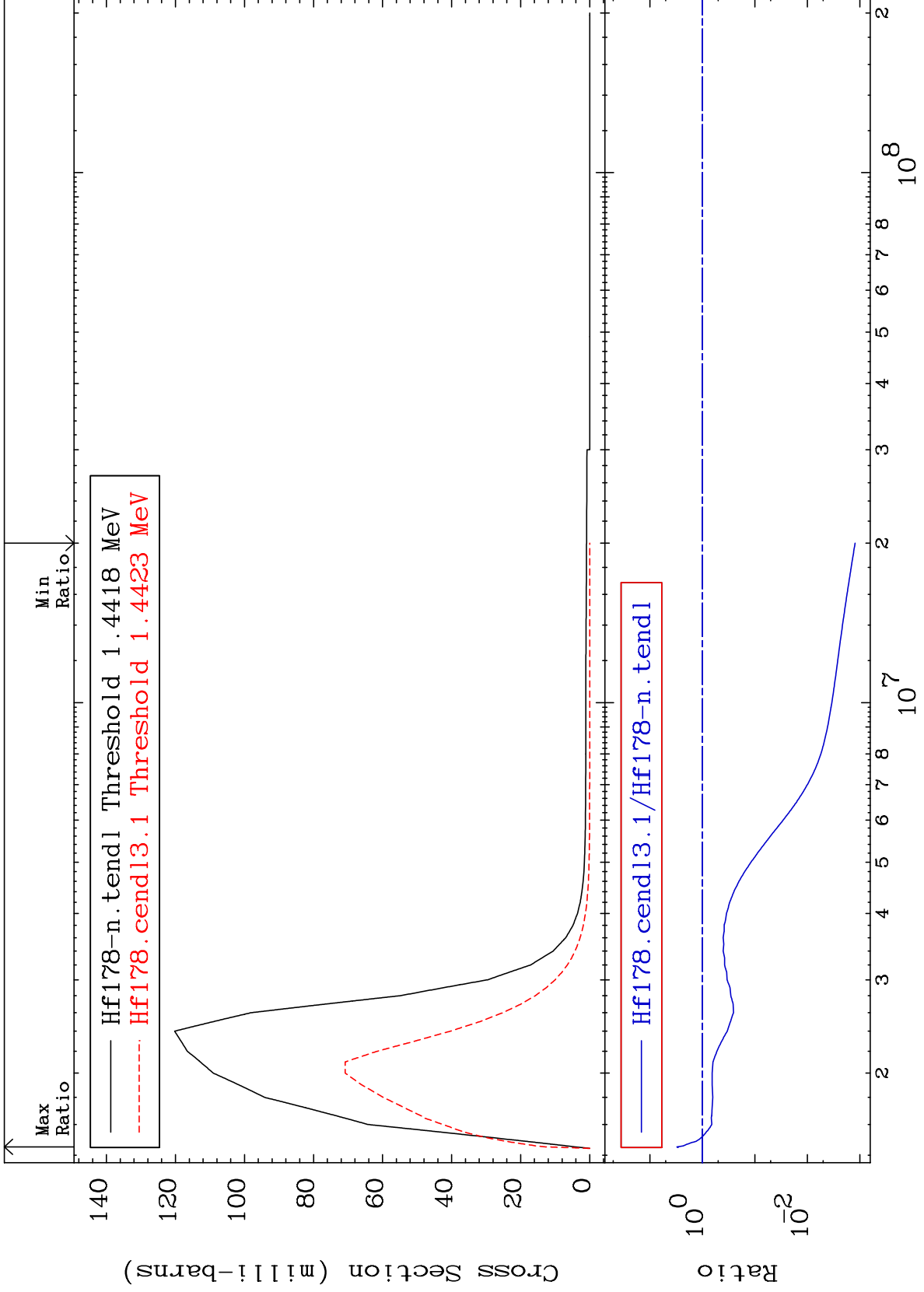
72-Hf-178
-75.90 To 9999. %



MAT 7237

1.434 MeV (n,n') Level
Cross Section

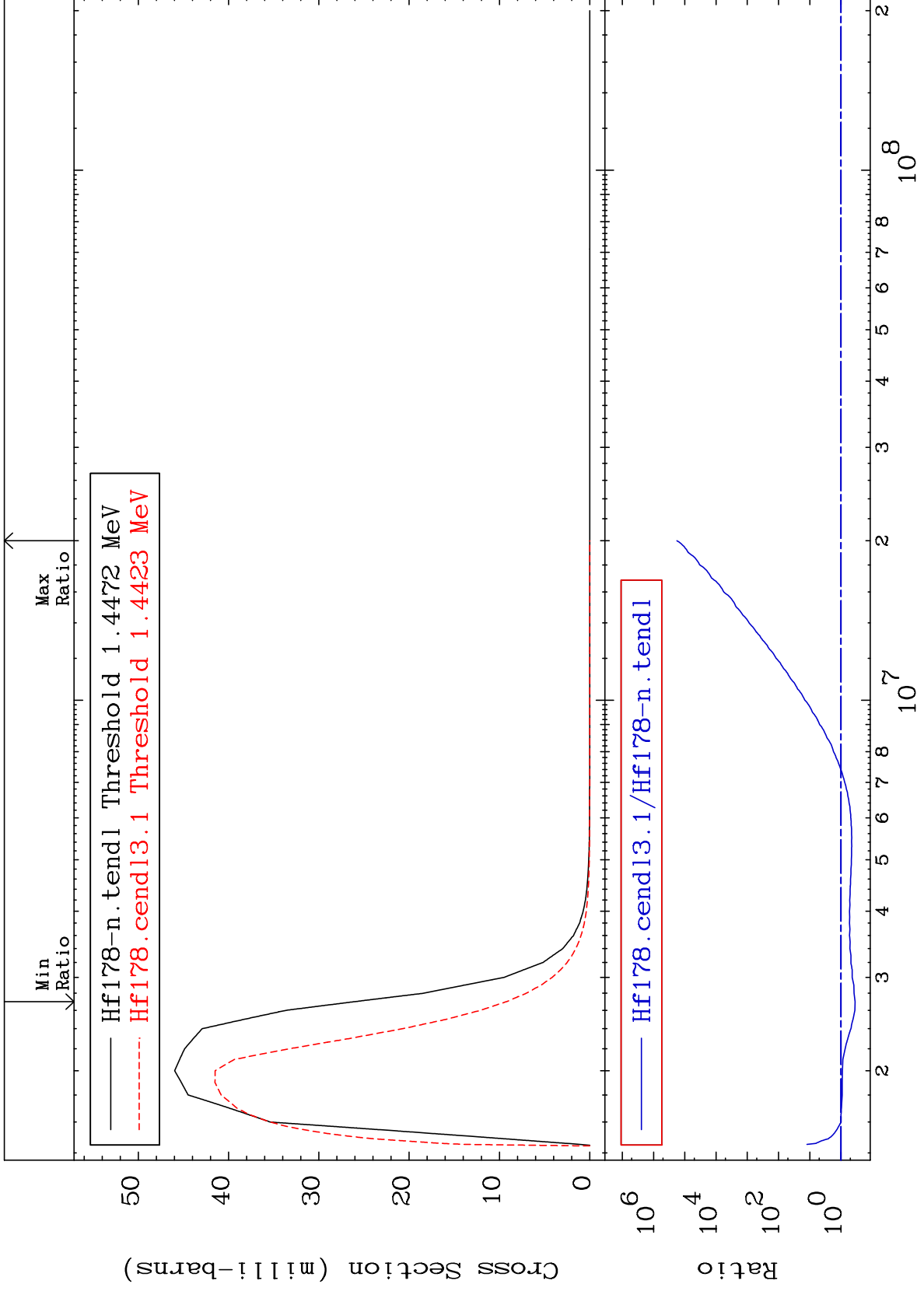
72-Hf-178
-99.88 To 205.8 %



MAT 7237

1.439 MeV (n,n') Level
Cross Section

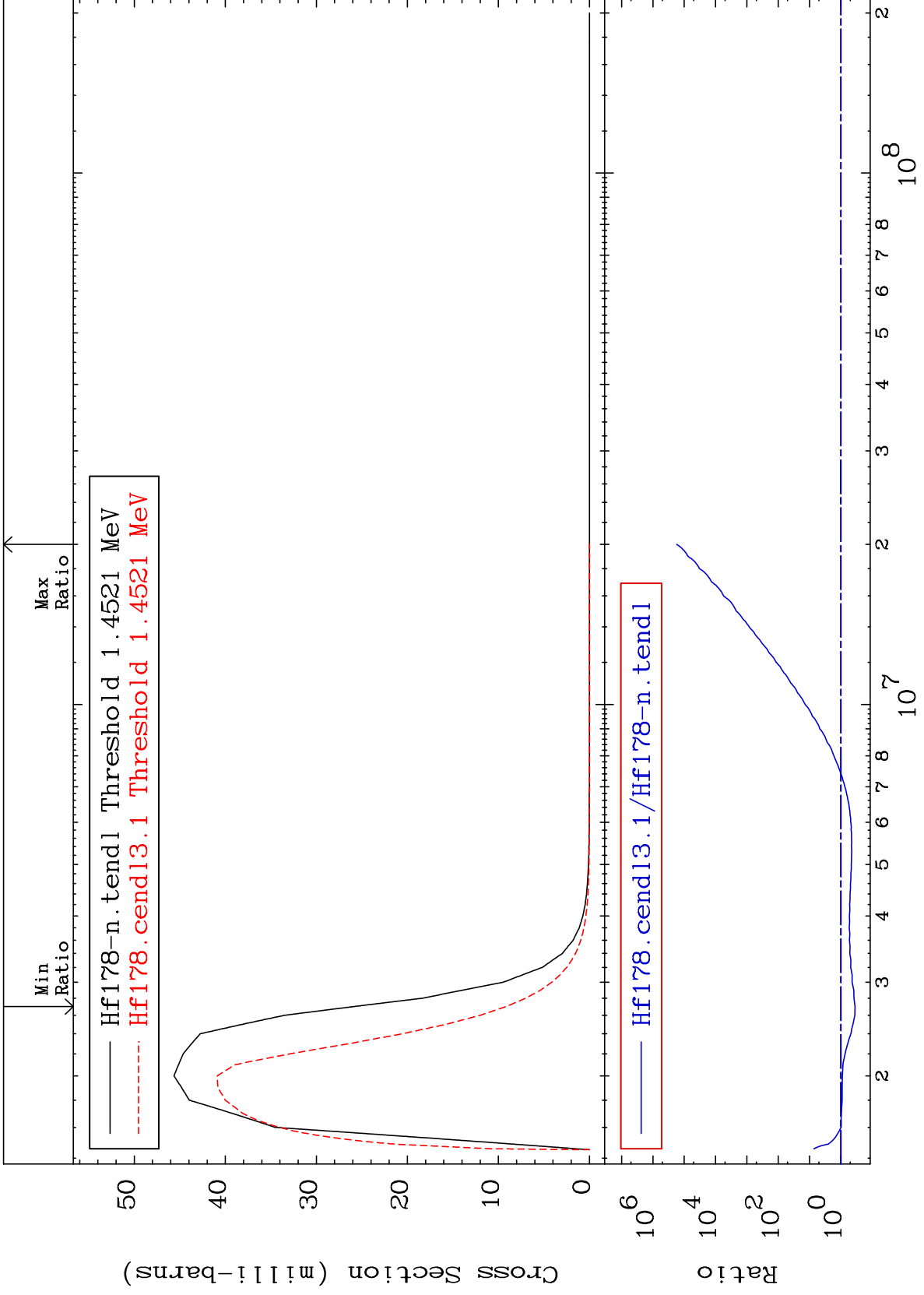
72-Hf-178
-64.58 To 9999. %

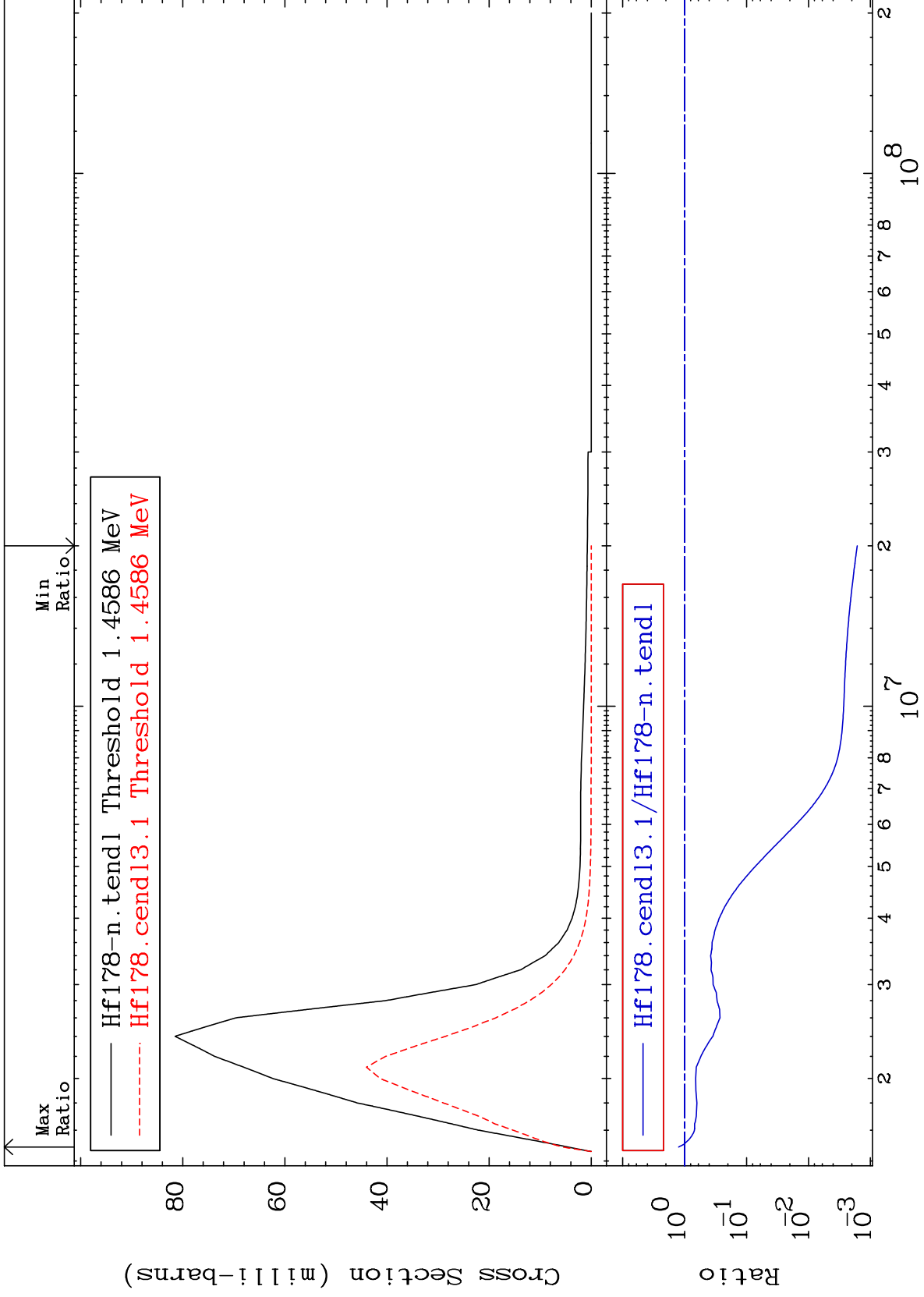


MAT 7237

1.444 MeV (n,n') Level
Cross Section

⁷²Hf-178
-64.67 To 9999. %

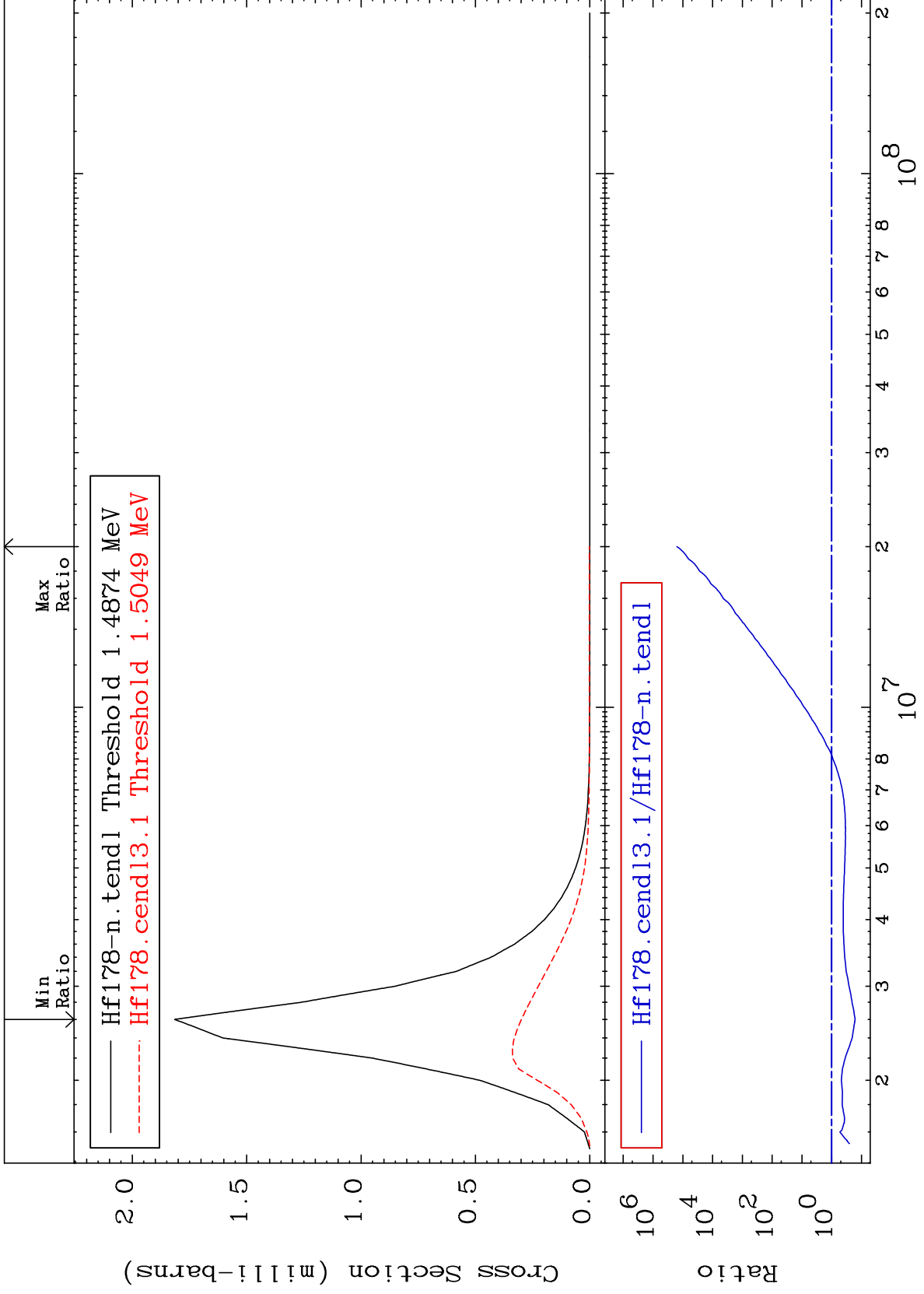


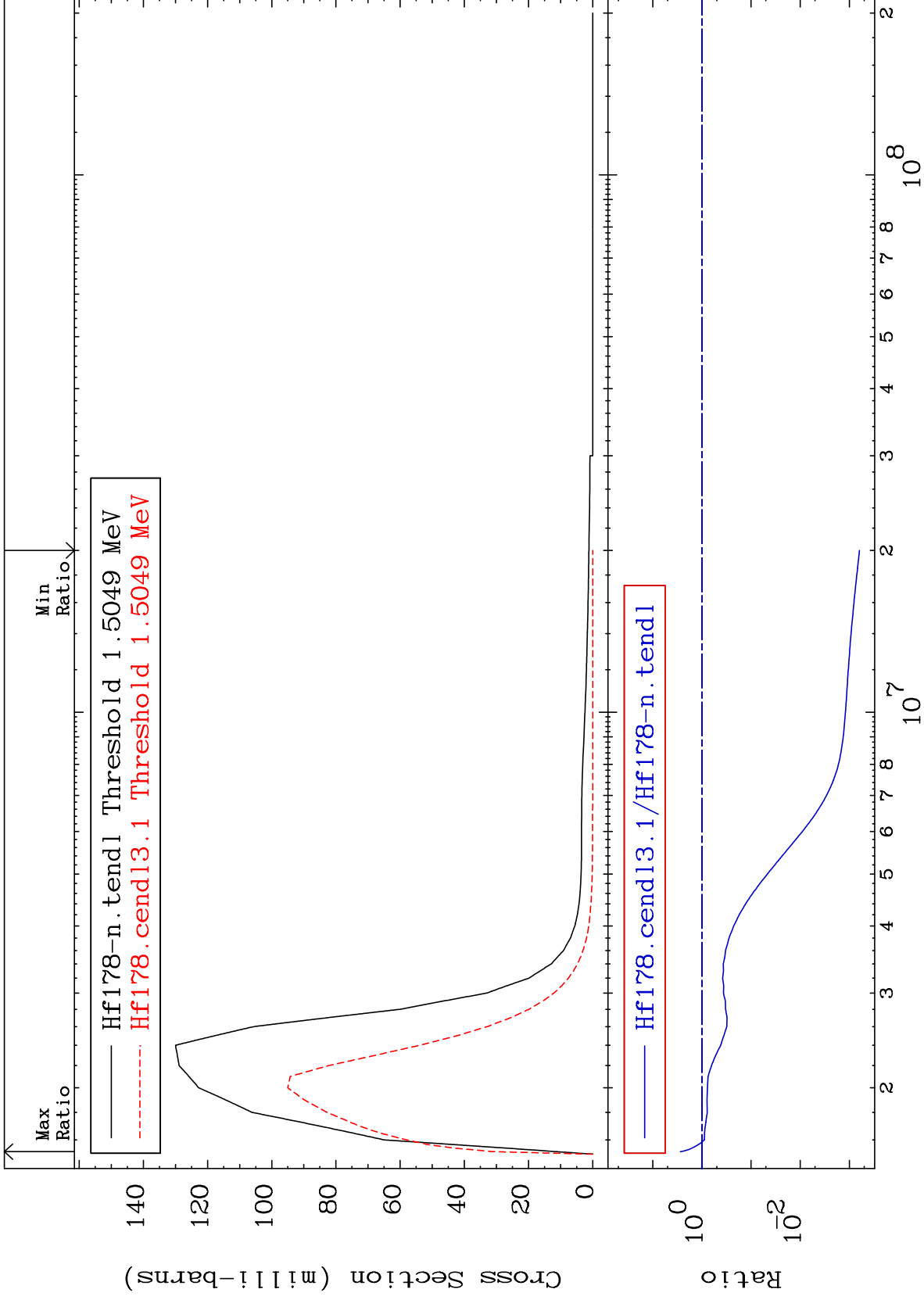


MAT 7237

1.479 MeV (n,n') Level
Cross Section

72-Hf-178
-83.55 To 9999. %

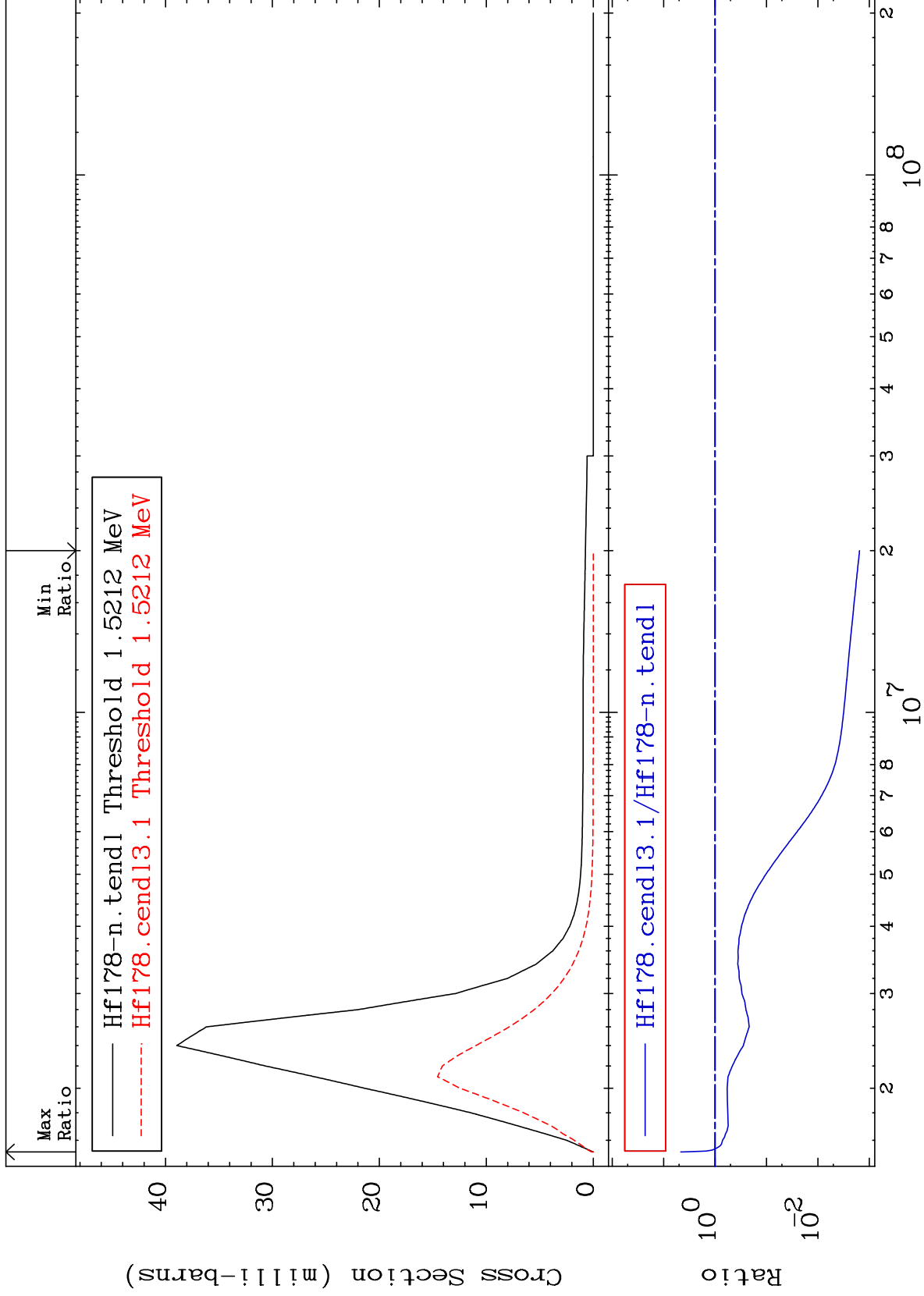




MAT 7237

1.513 MeV (n,n') Level
Cross Section

72-Hf-178
-99.85 To 364.6 %



30

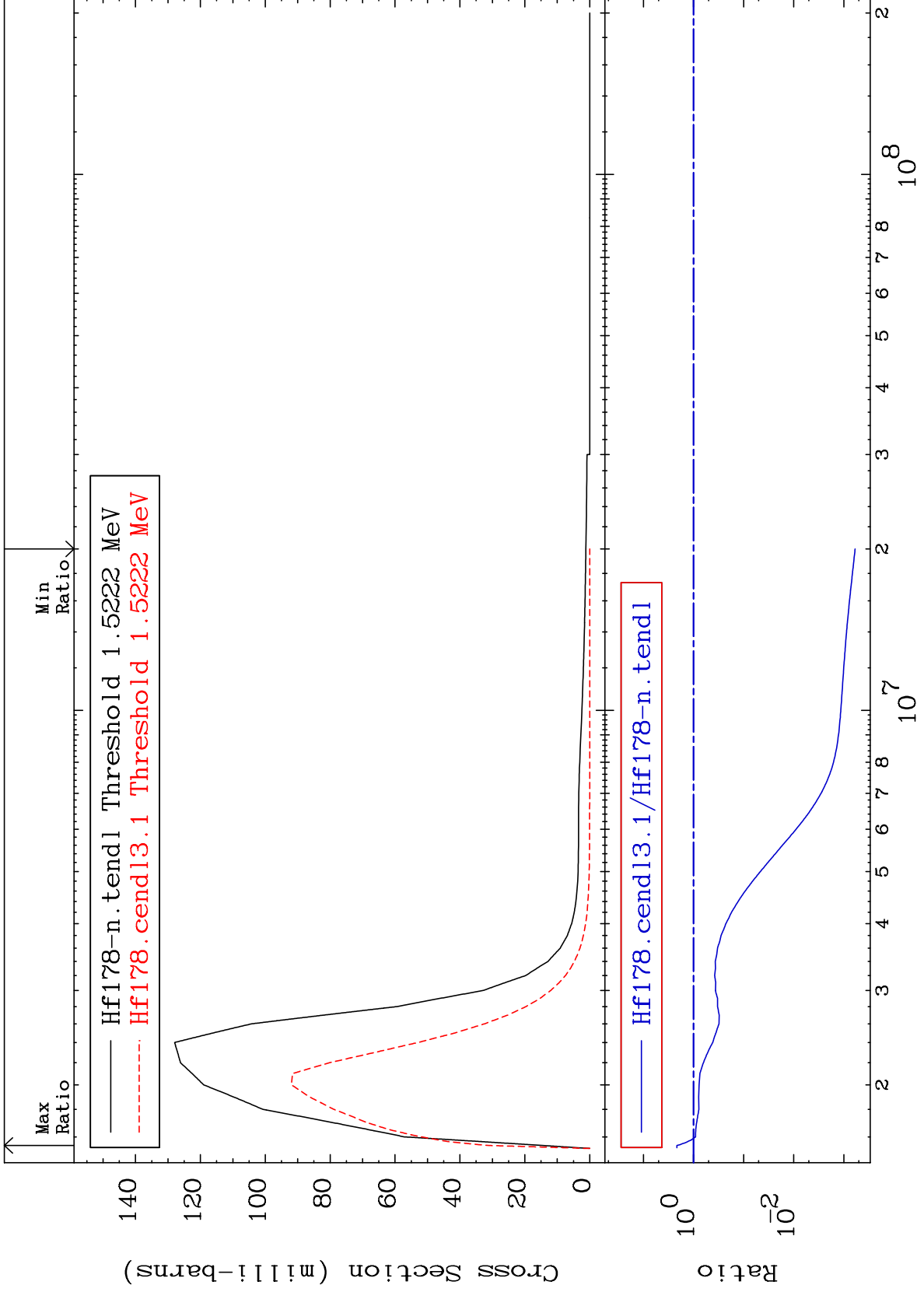
72-Hf-178

72-Hf-178

MAT 7237

1.514 MeV (n,n') Level
Cross Section

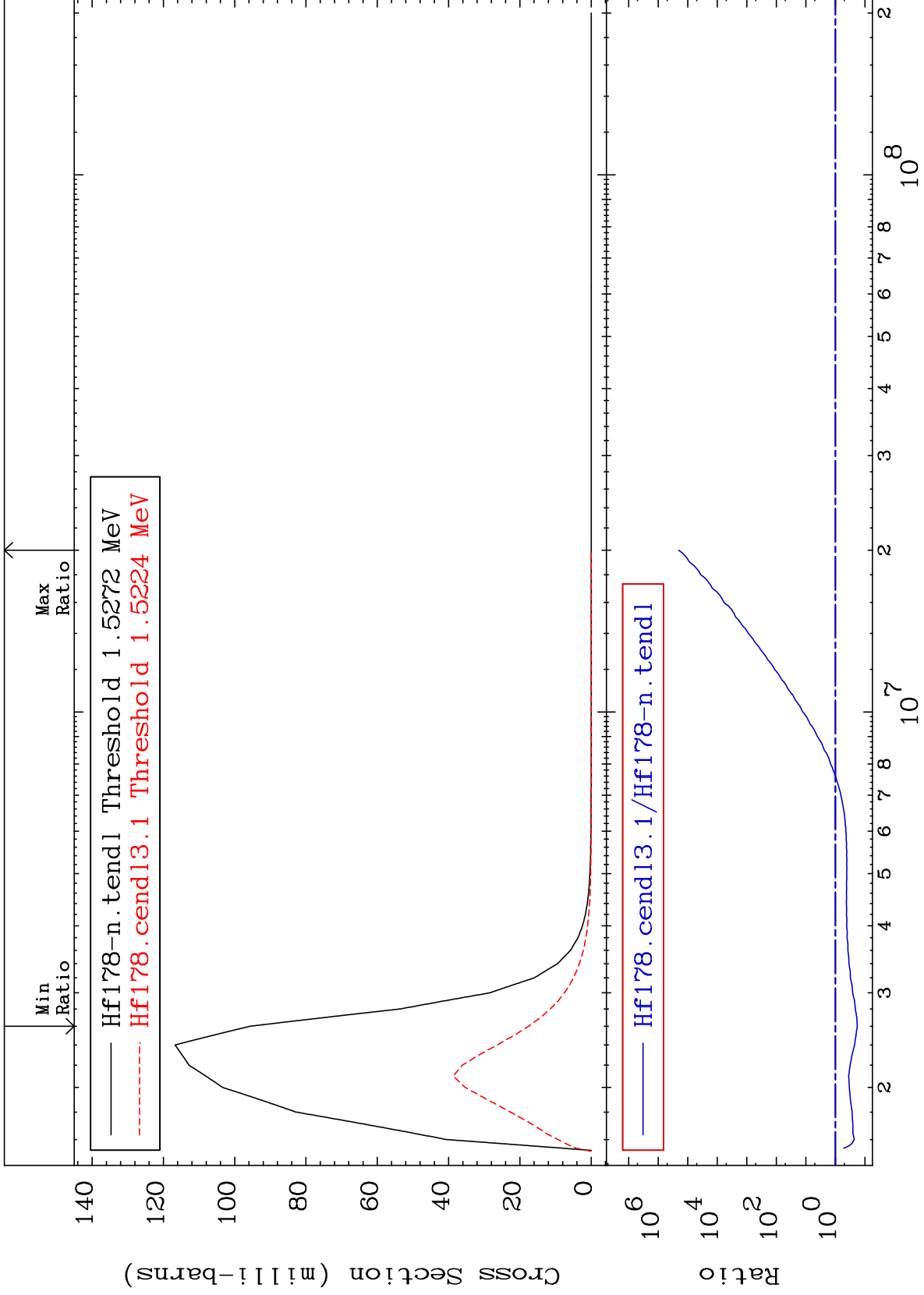
72-Hf-178
-99.94 To 114.7 %



MAT 7237

1.519 MeV (n,n') Level
Cross Section

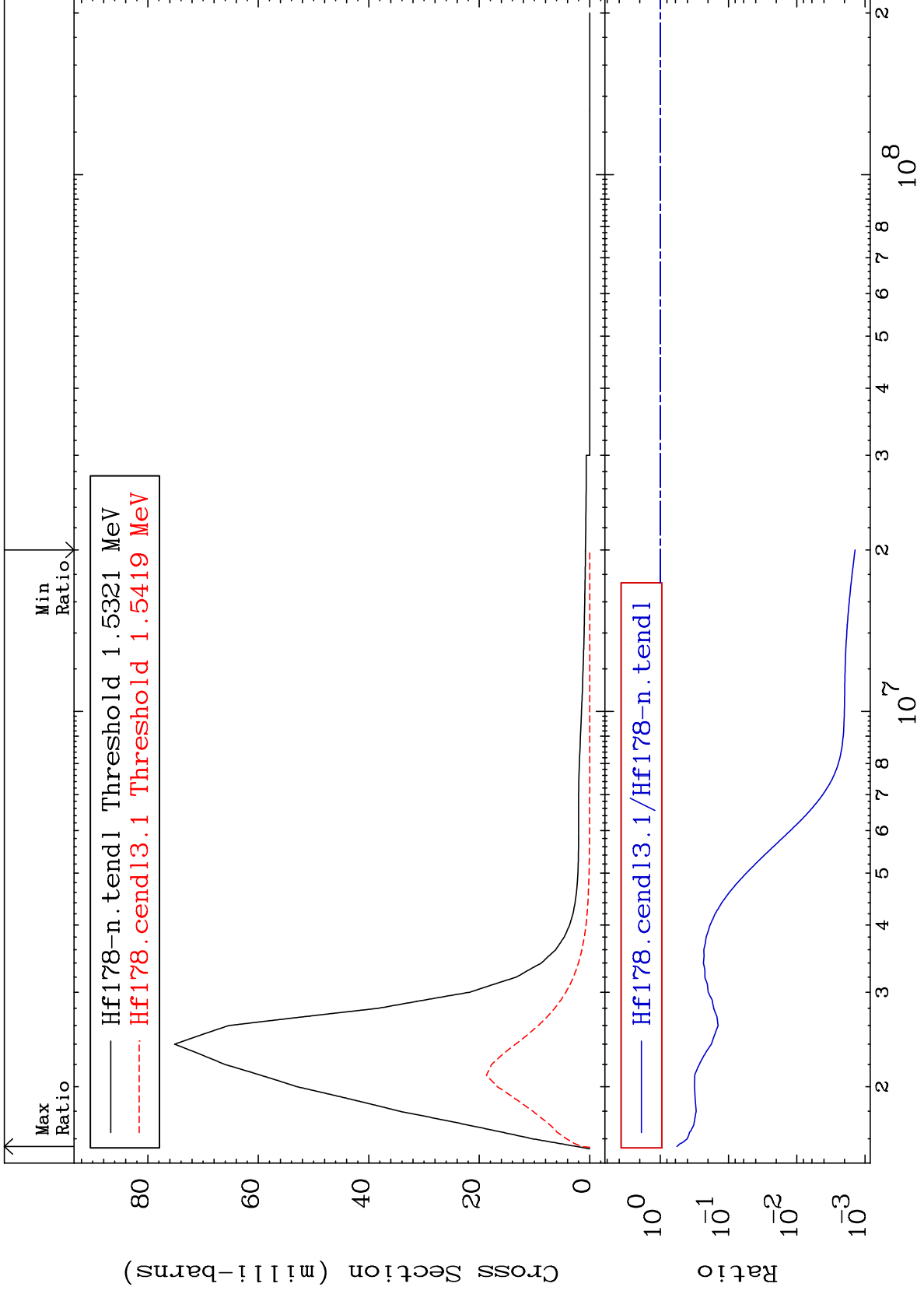
⁷²Hf-178
-81.65 To 9999. %



MAT 7237

1.523 MeV (n,n') Level
Cross Section

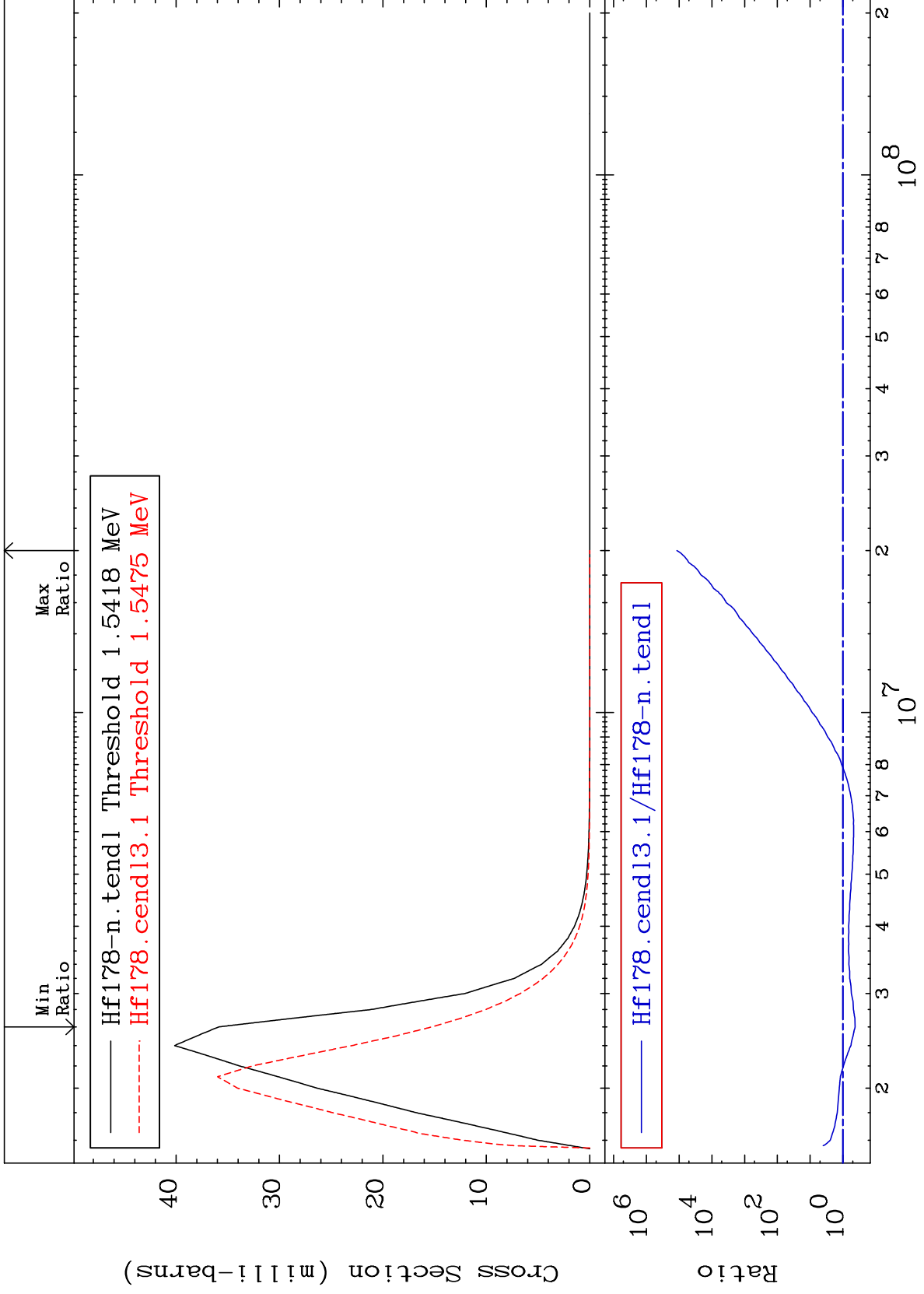
72-Hf-178
-99.86 To -42.85%



MAT 7237

1.533 MeV (n,n') Level
Cross Section

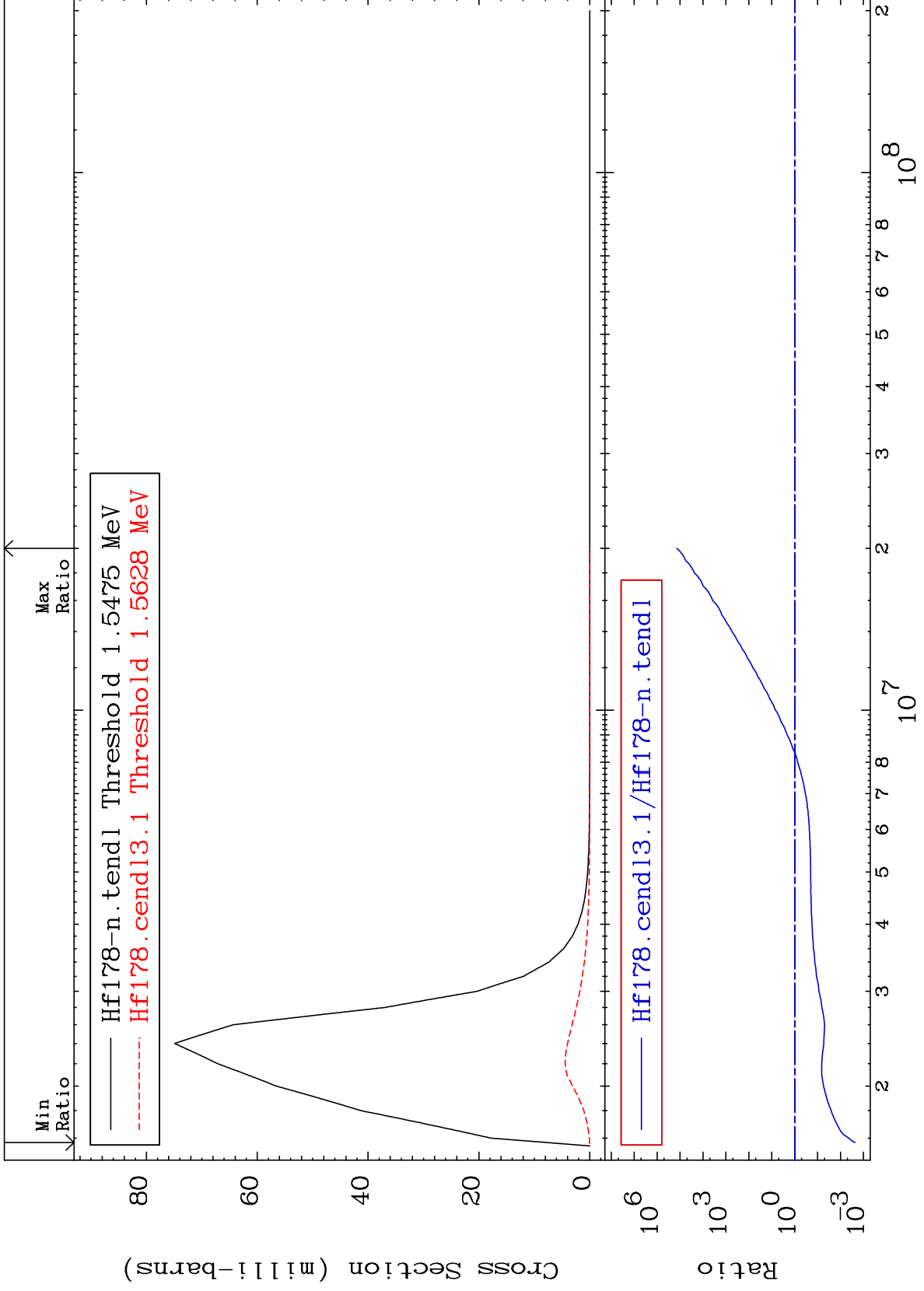
72-Hf-178
-57.48 To 9999. %



MAT 7237

1.539 MeV (n,n') Level
Cross Section

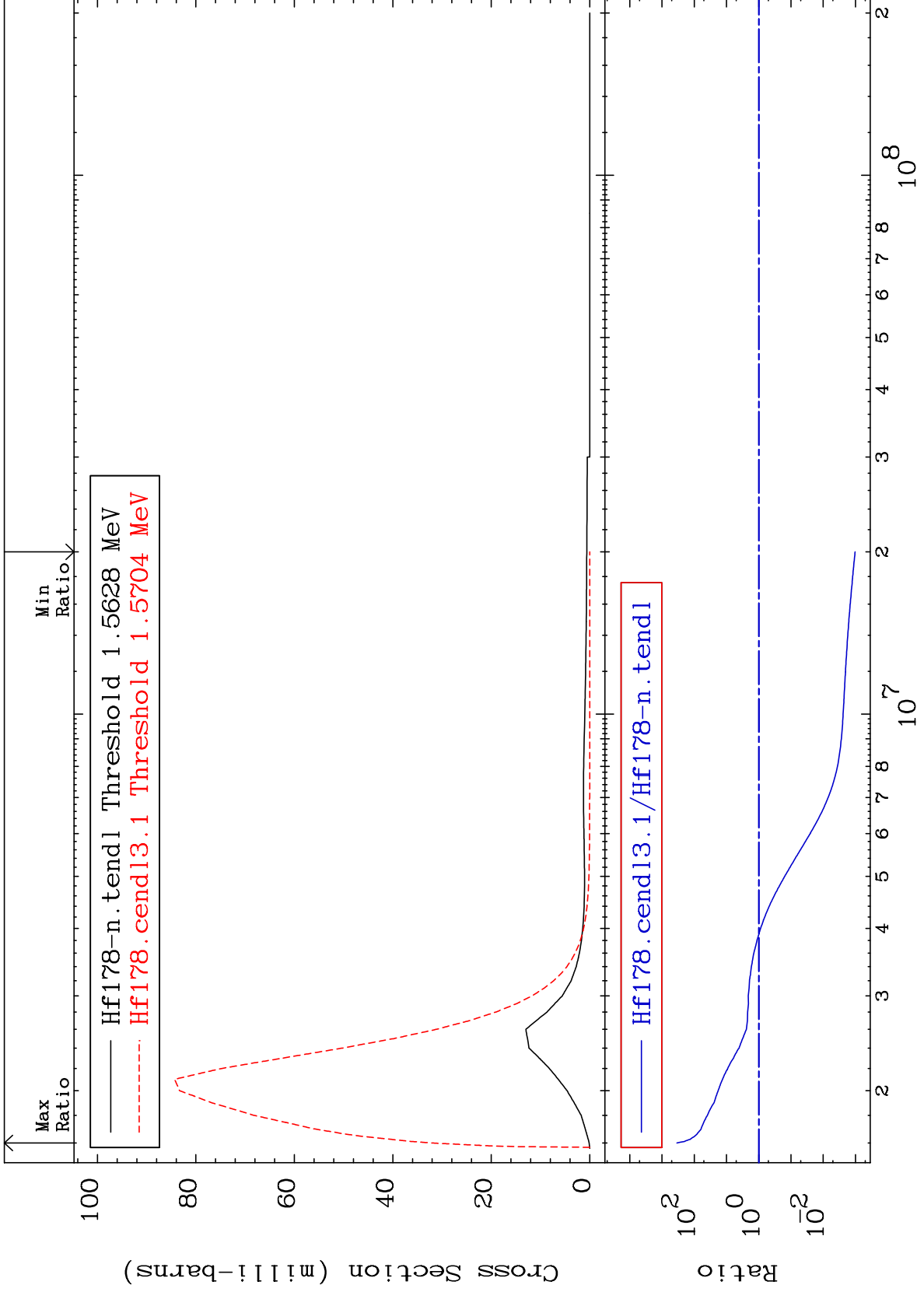
72-Hf-178
-99.77 To 9999. %

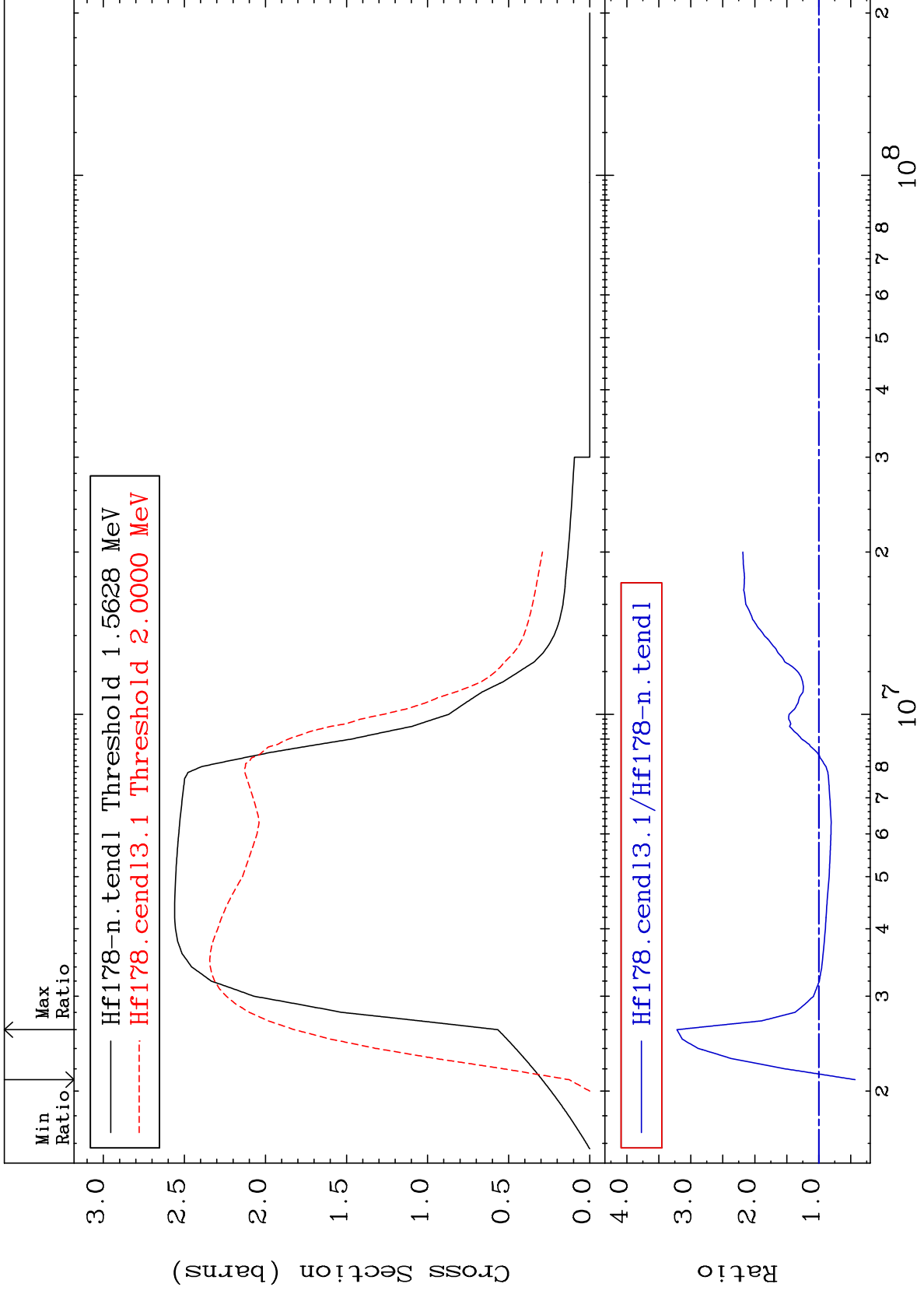


MAT 7237

1.554 MeV (n,n') Level
Cross Section

72-Hf-178
-99.90 To 9999. %





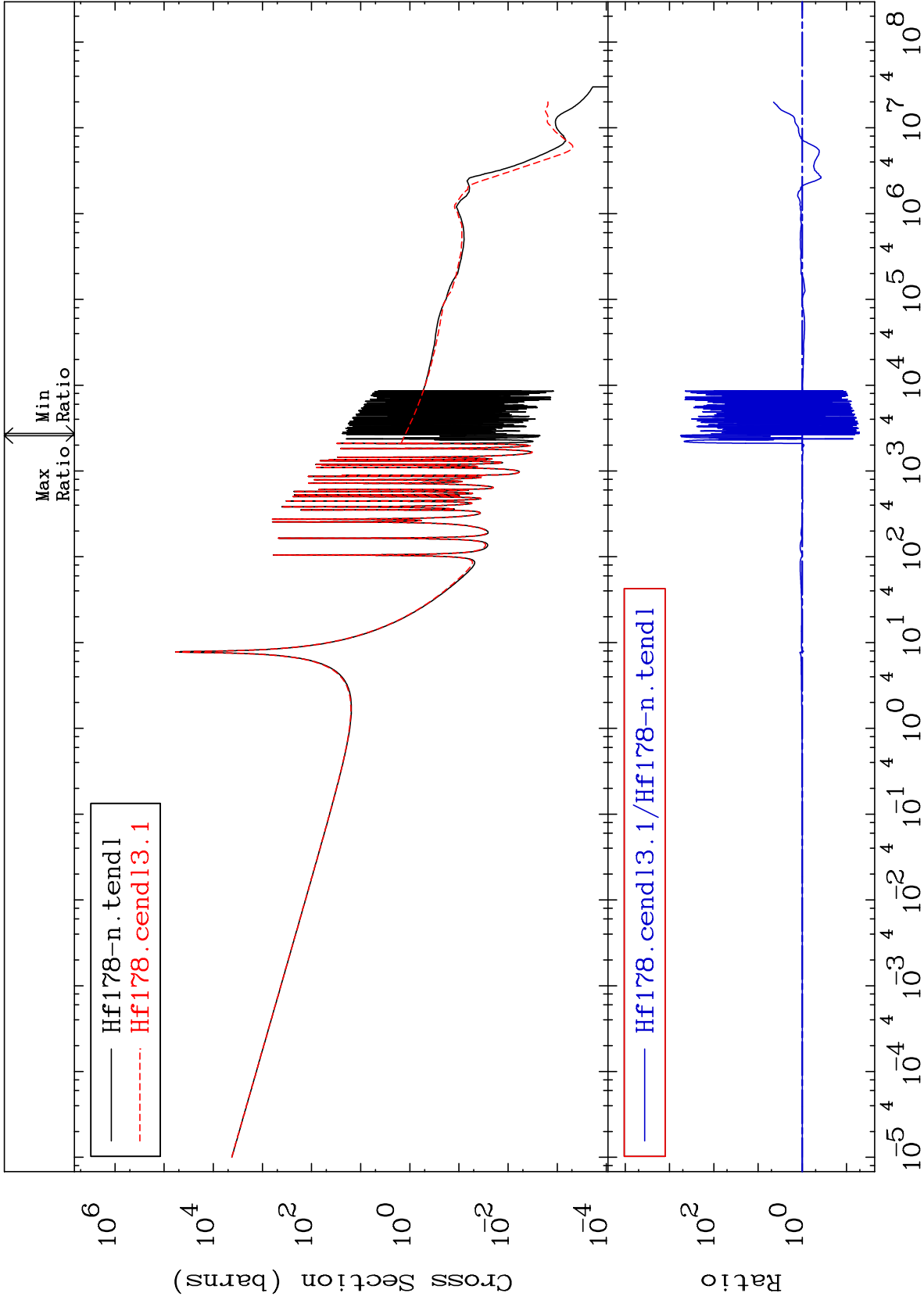
MAT 7237

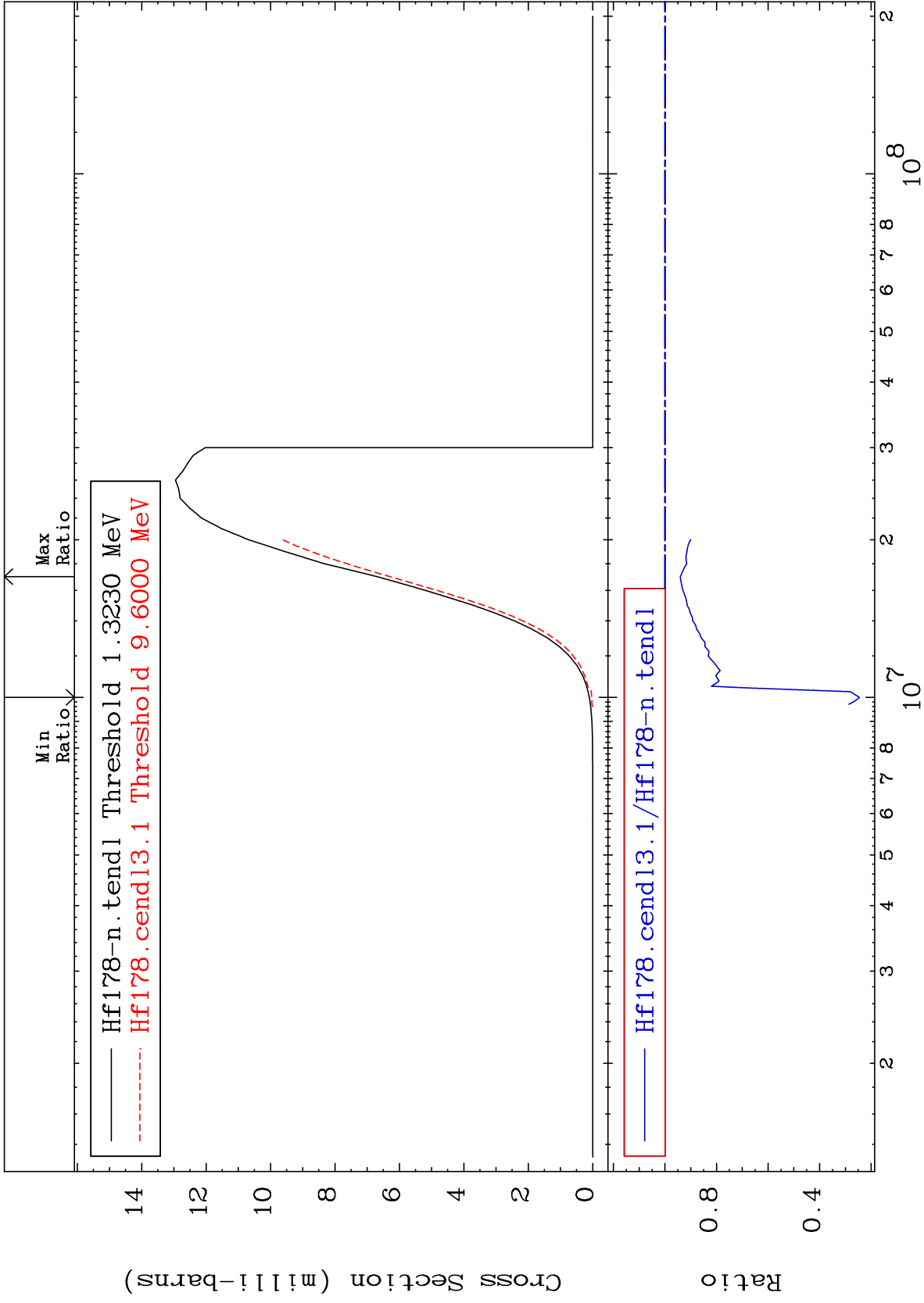
(n, γ)

72-Hf-178

Cross Section

-94.90 To 9999. %





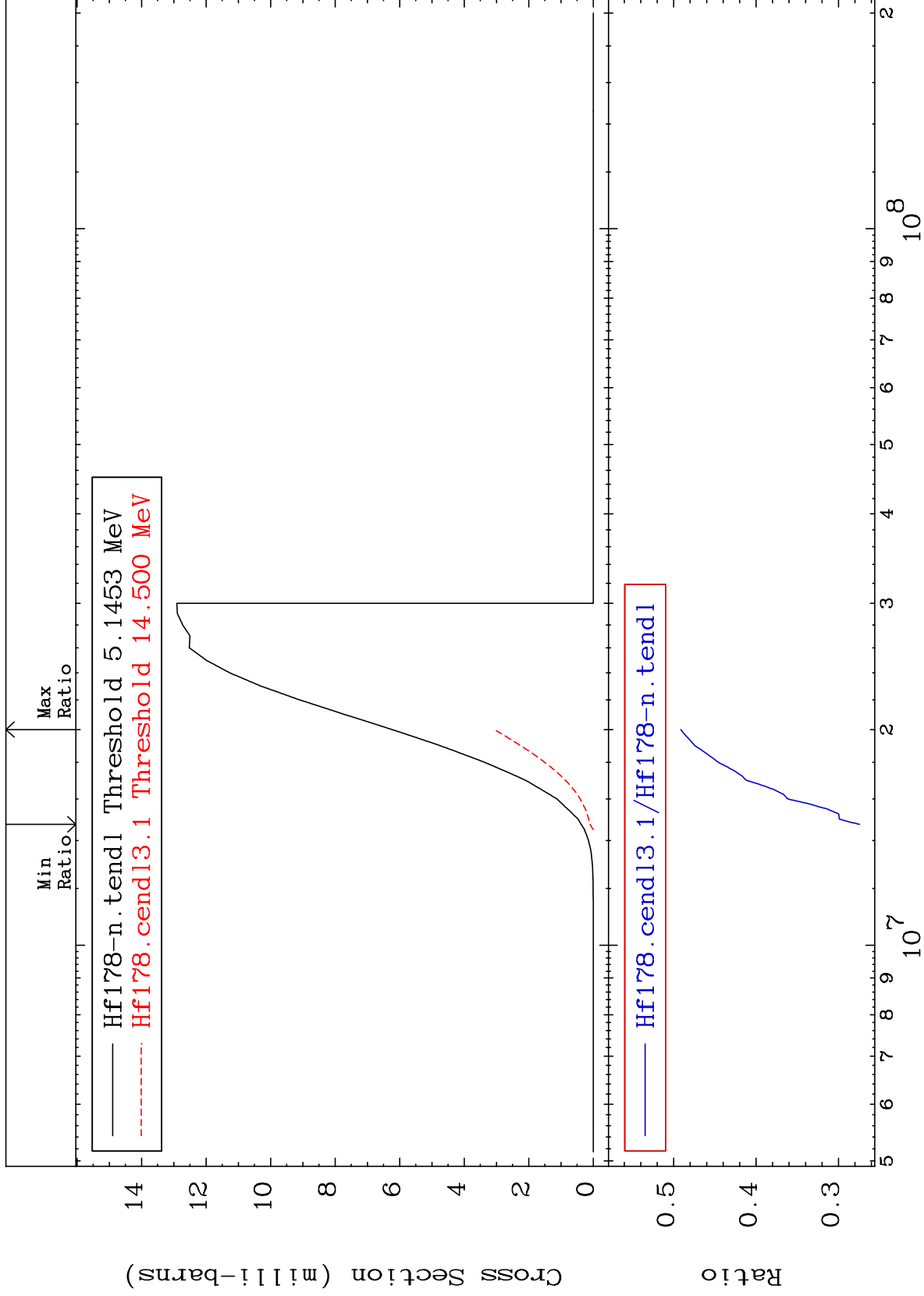
MAT 7237

(n, d)

72-Hf-178

Cross Section

-72.56 To -50.86%



40

Incident Energy (eV)

72-Hf-178

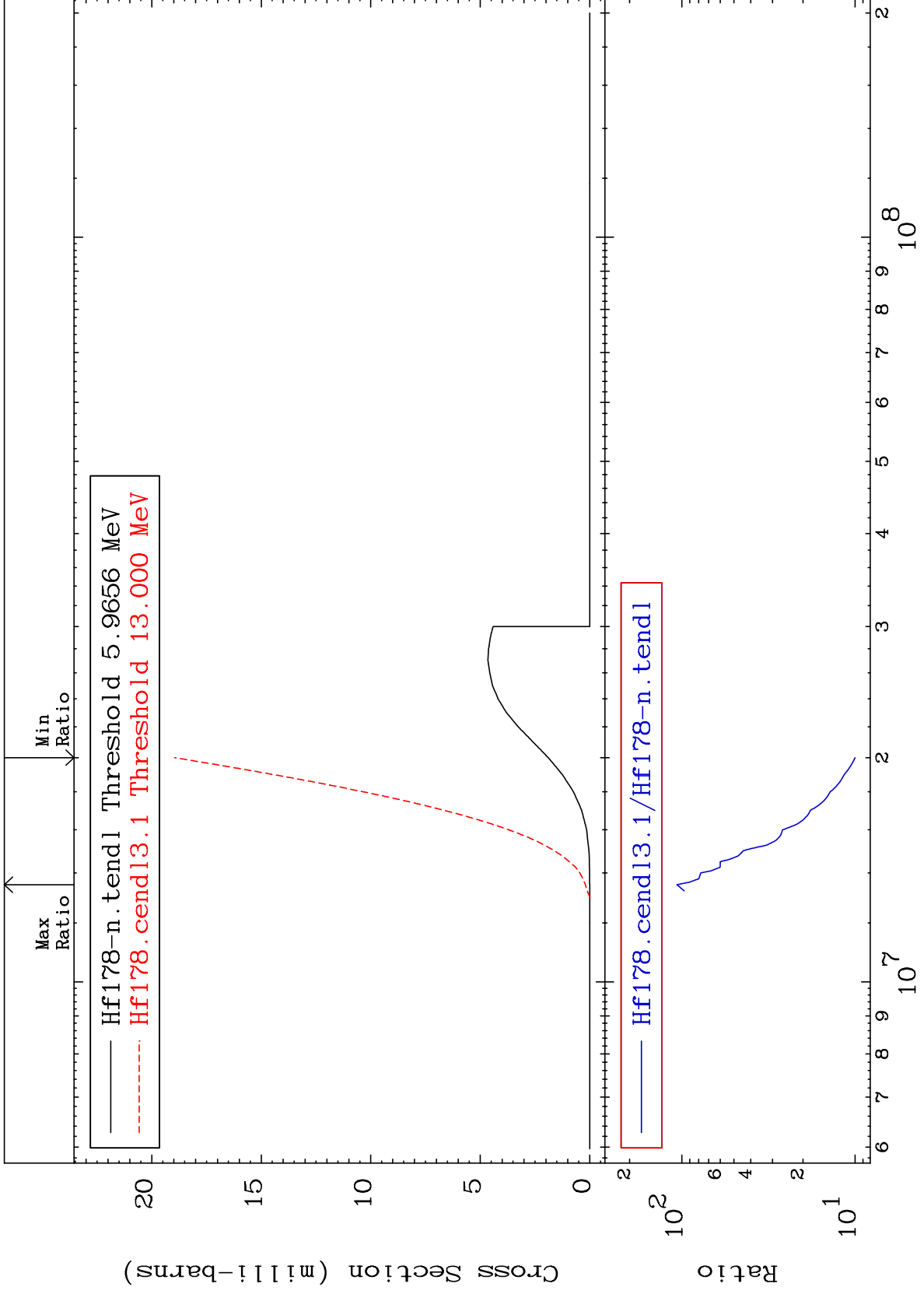
MAT 7237

(n, t)

72-Hf-178

Cross Section

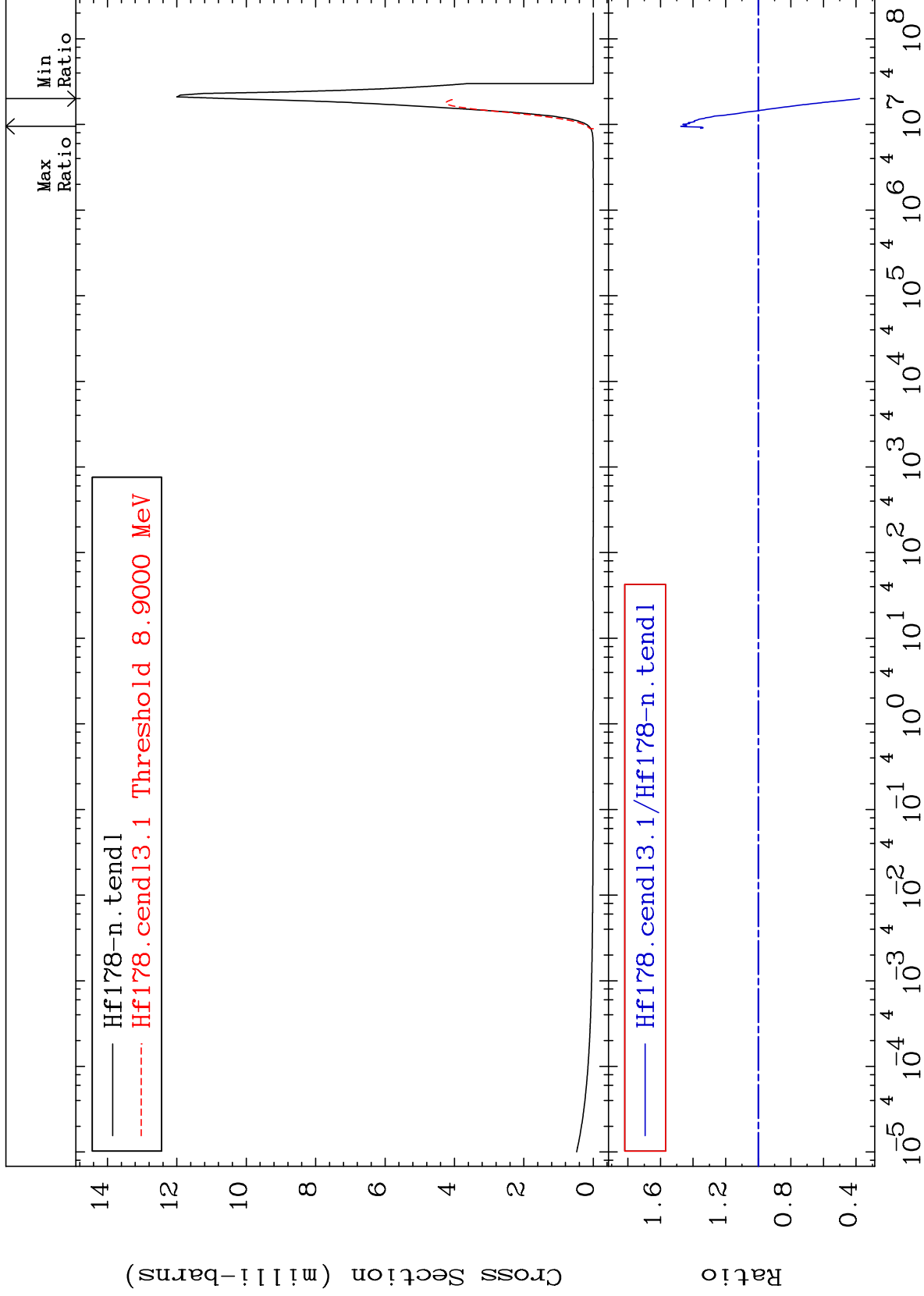
899.9 To 9999. %

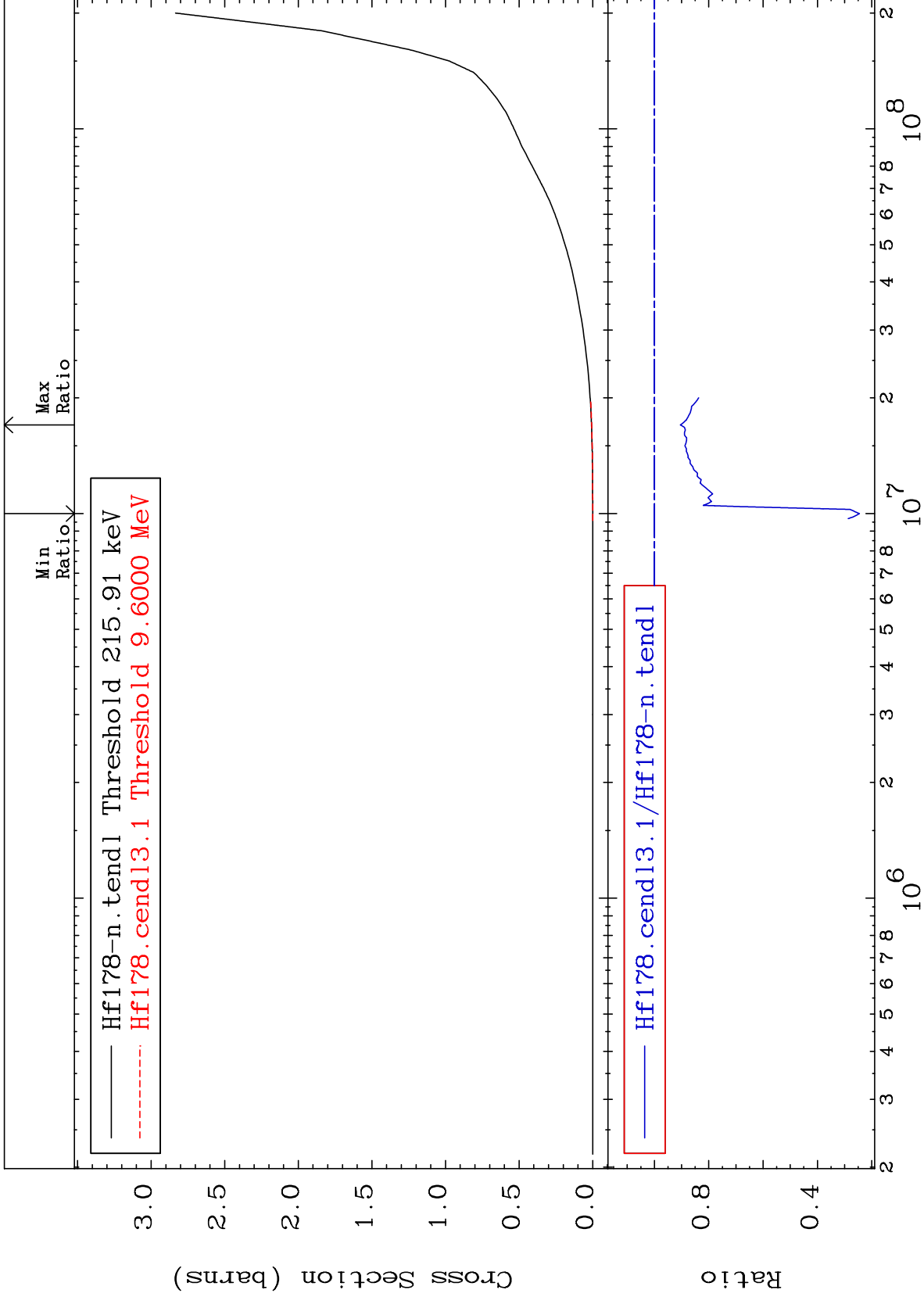


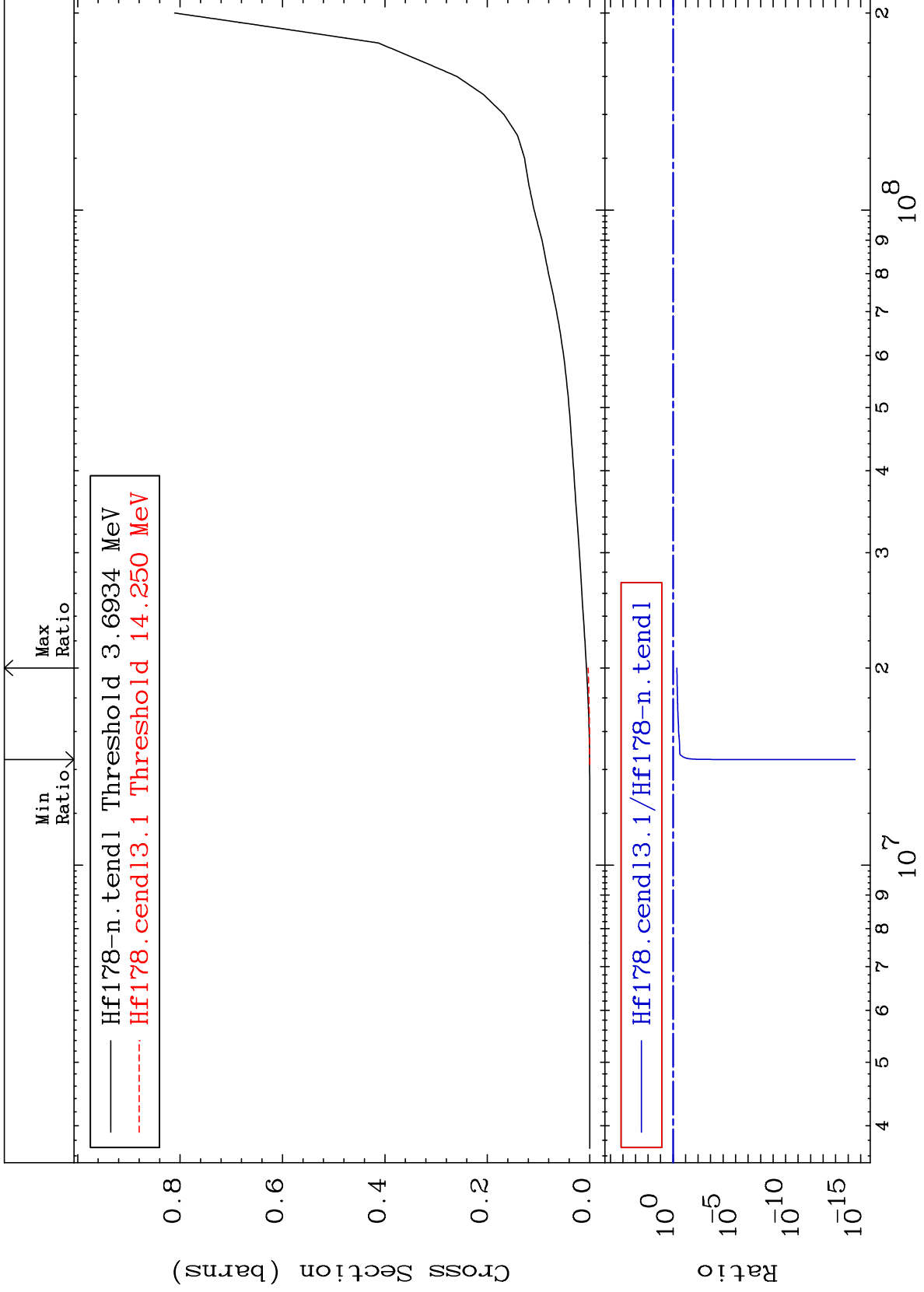
MAT 7237

(n, α)
Cross Section

72-Hf-178
-62.14 To 47.56 %



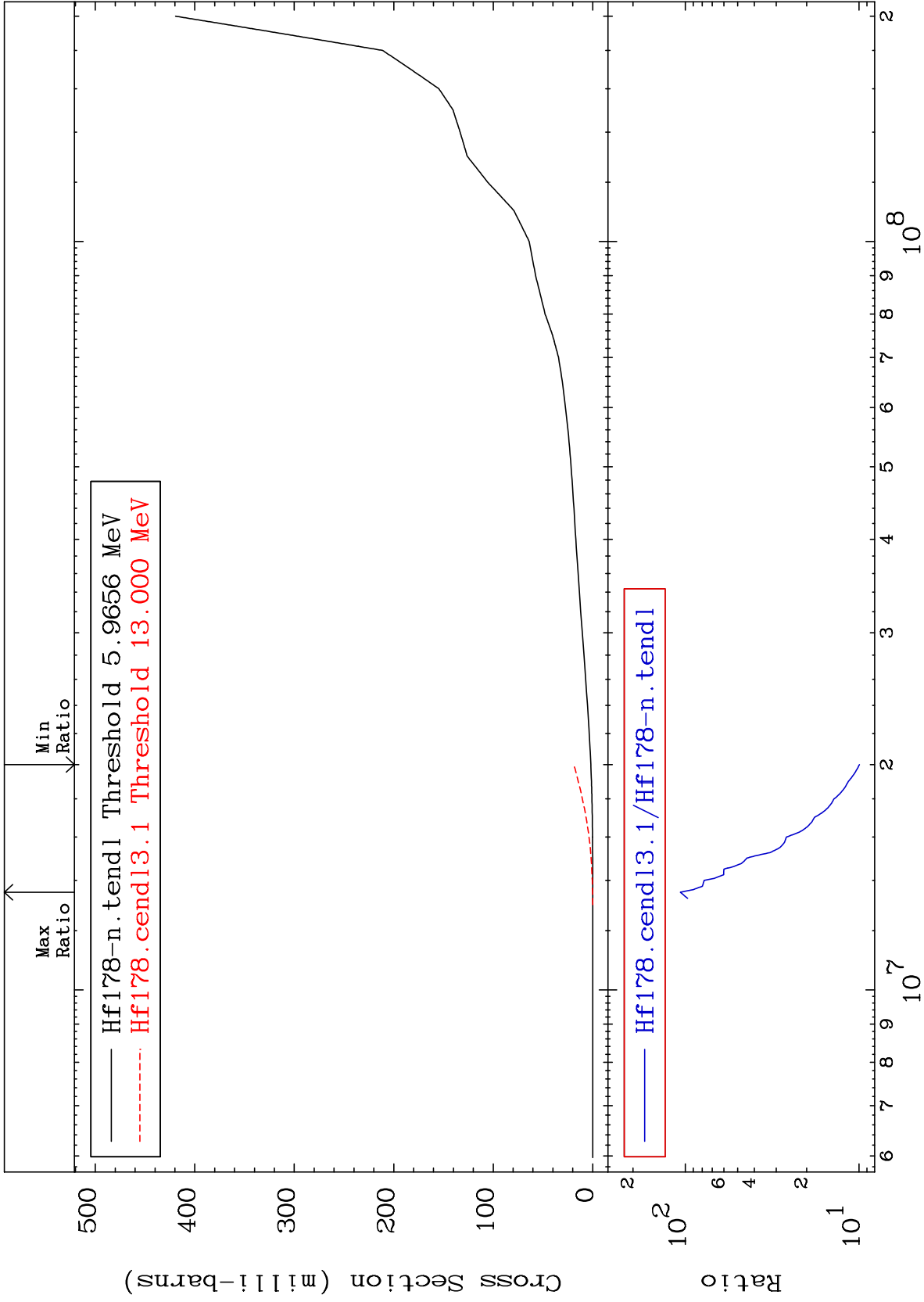




MAT 7237

Tritium Production
Cross Section

⁷²Hf-178
895.4 To 9999. %



45

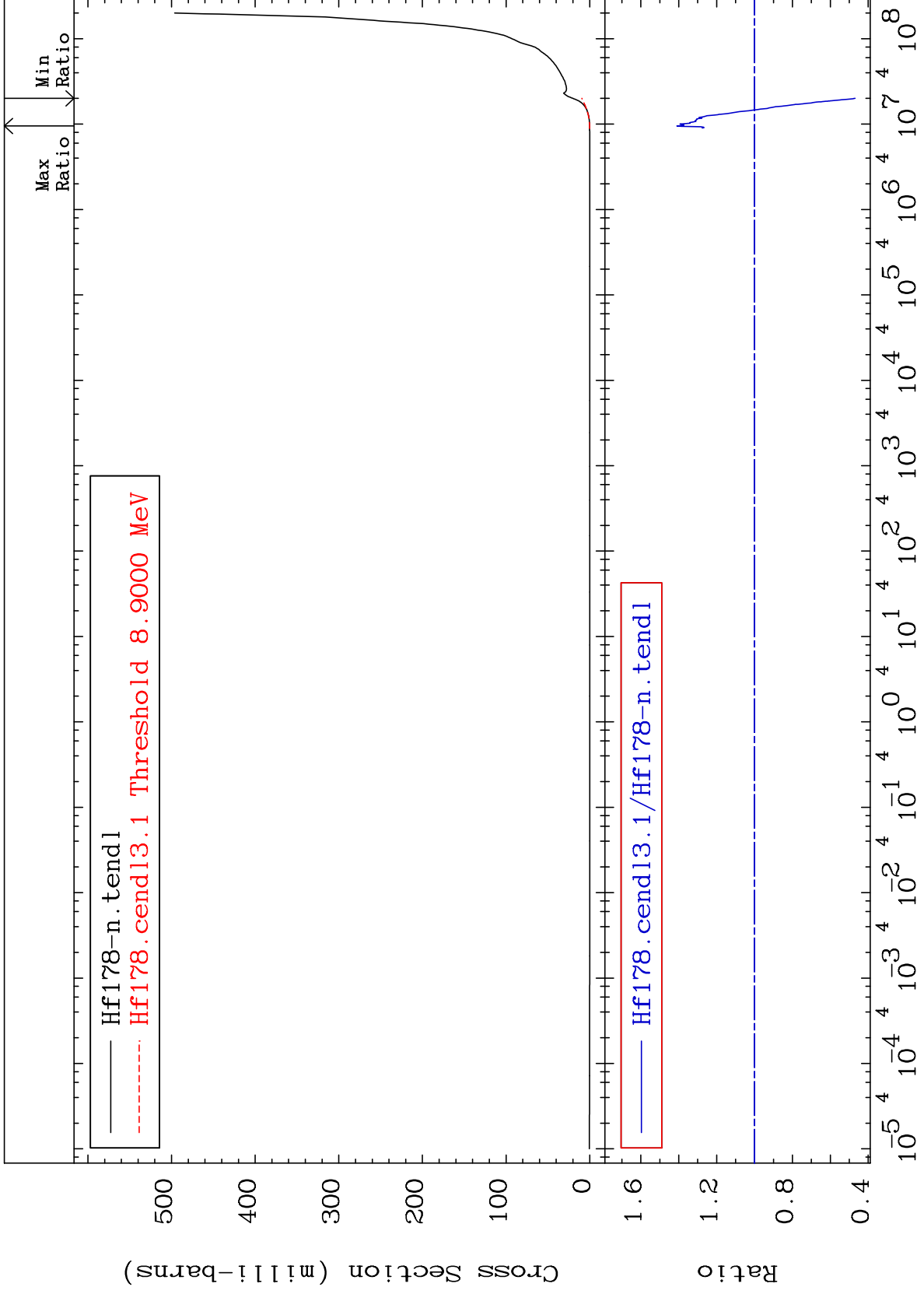
Incident Energy (eV)

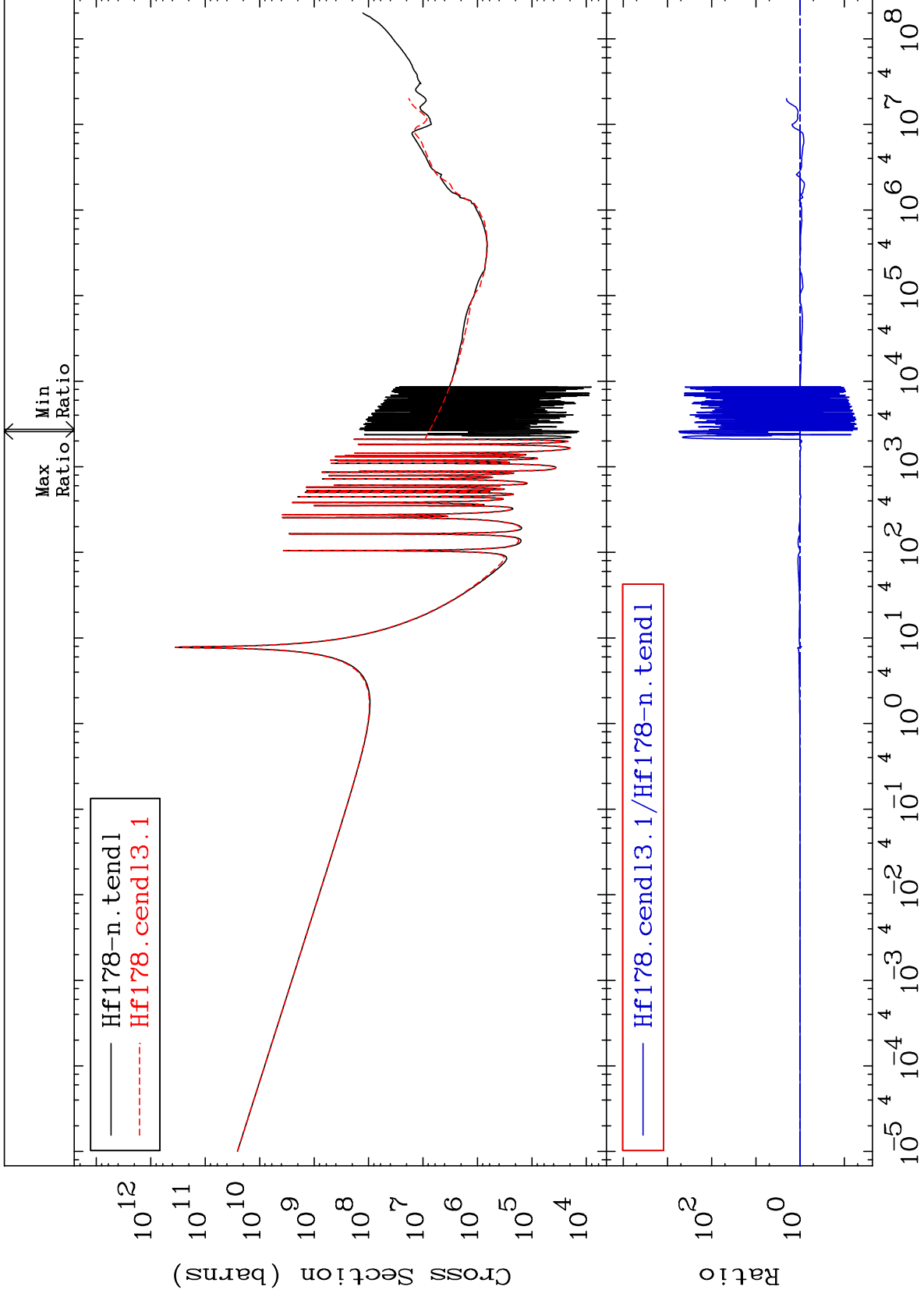
⁷²Hf-178

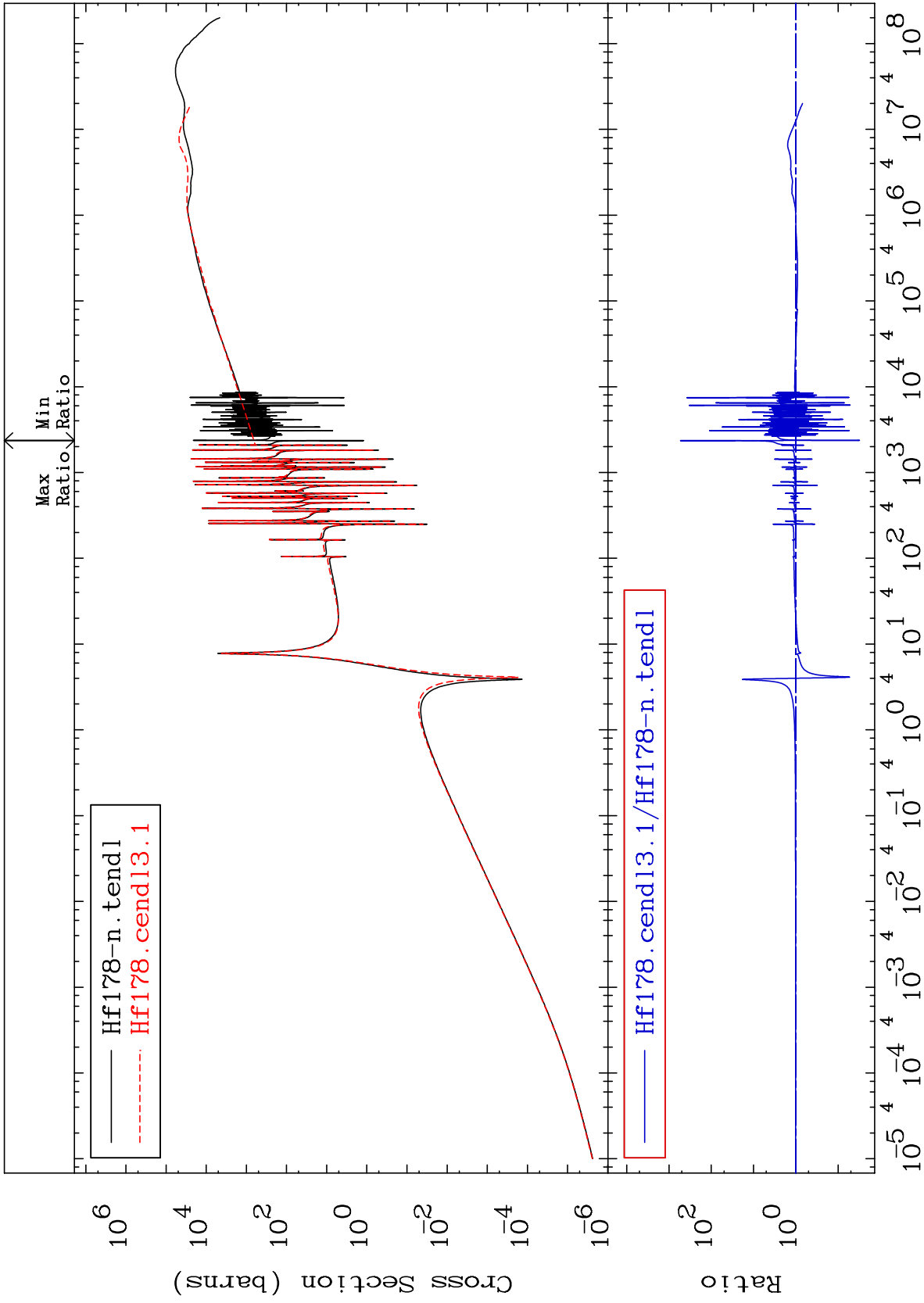
MAT 7237

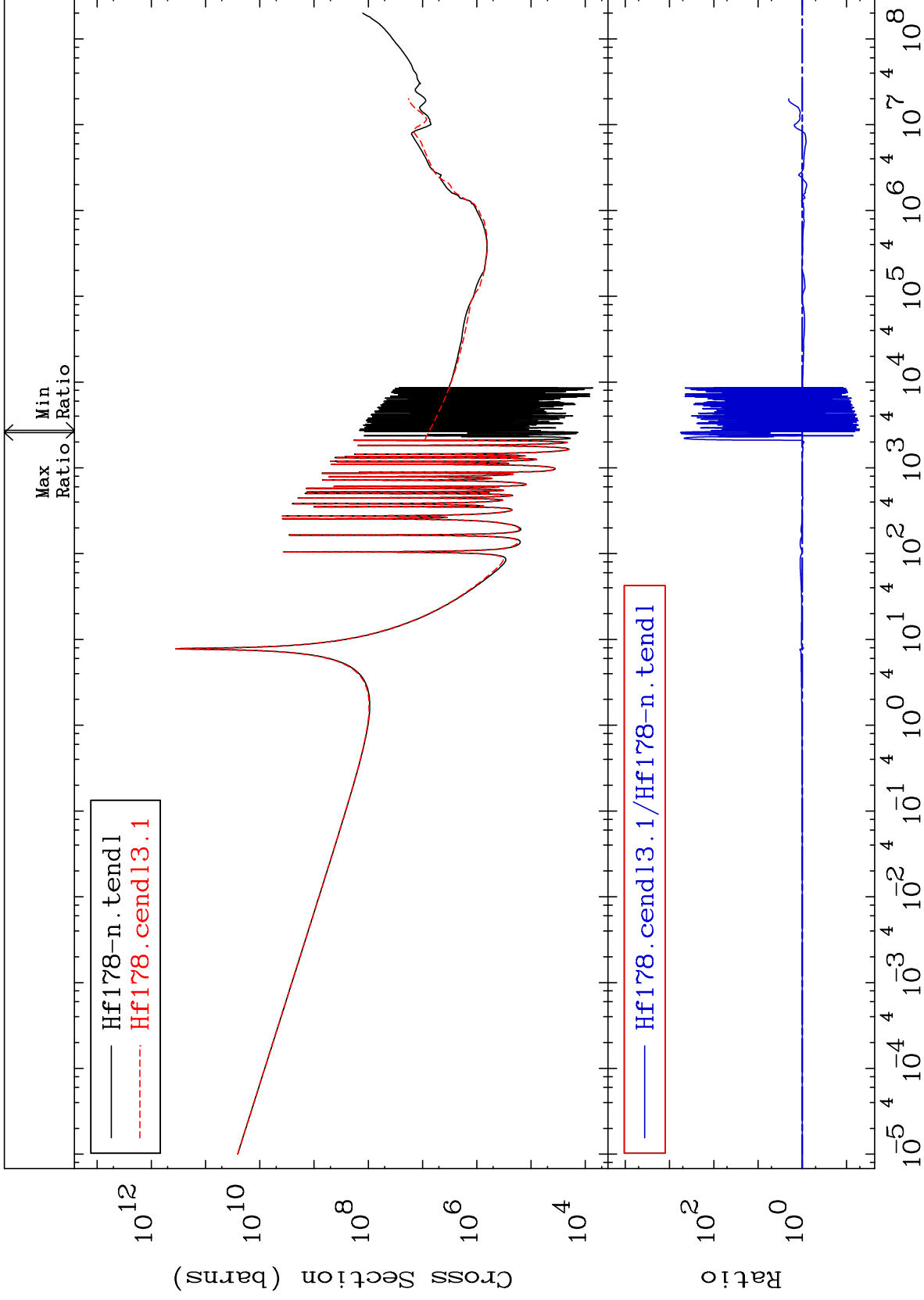
He-4 Production
Cross Section

72-Hf-178
-53.07 To 40.97 %





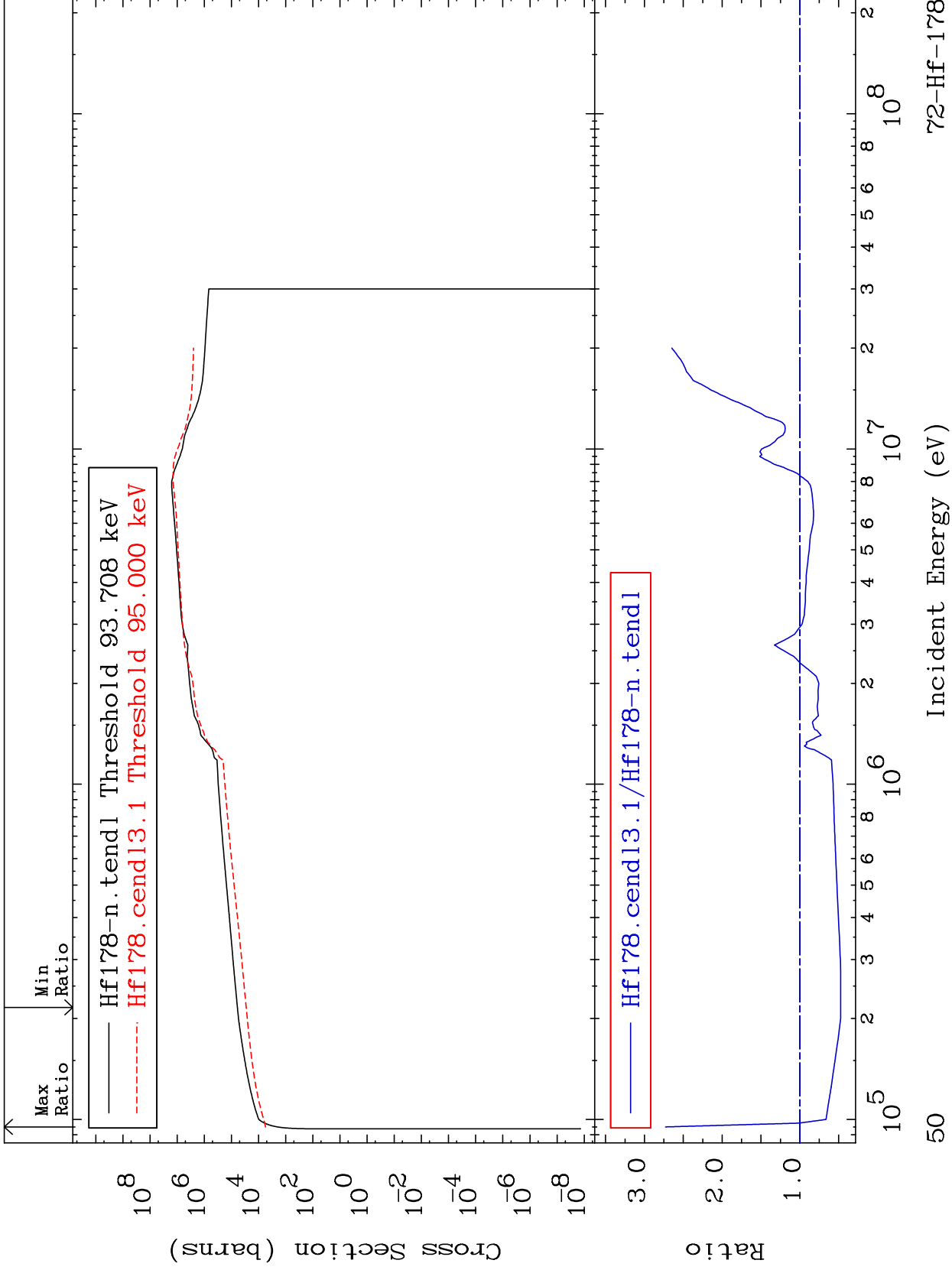




MAT 7237

Kerma inelastic (mt51-91)
Cross Section

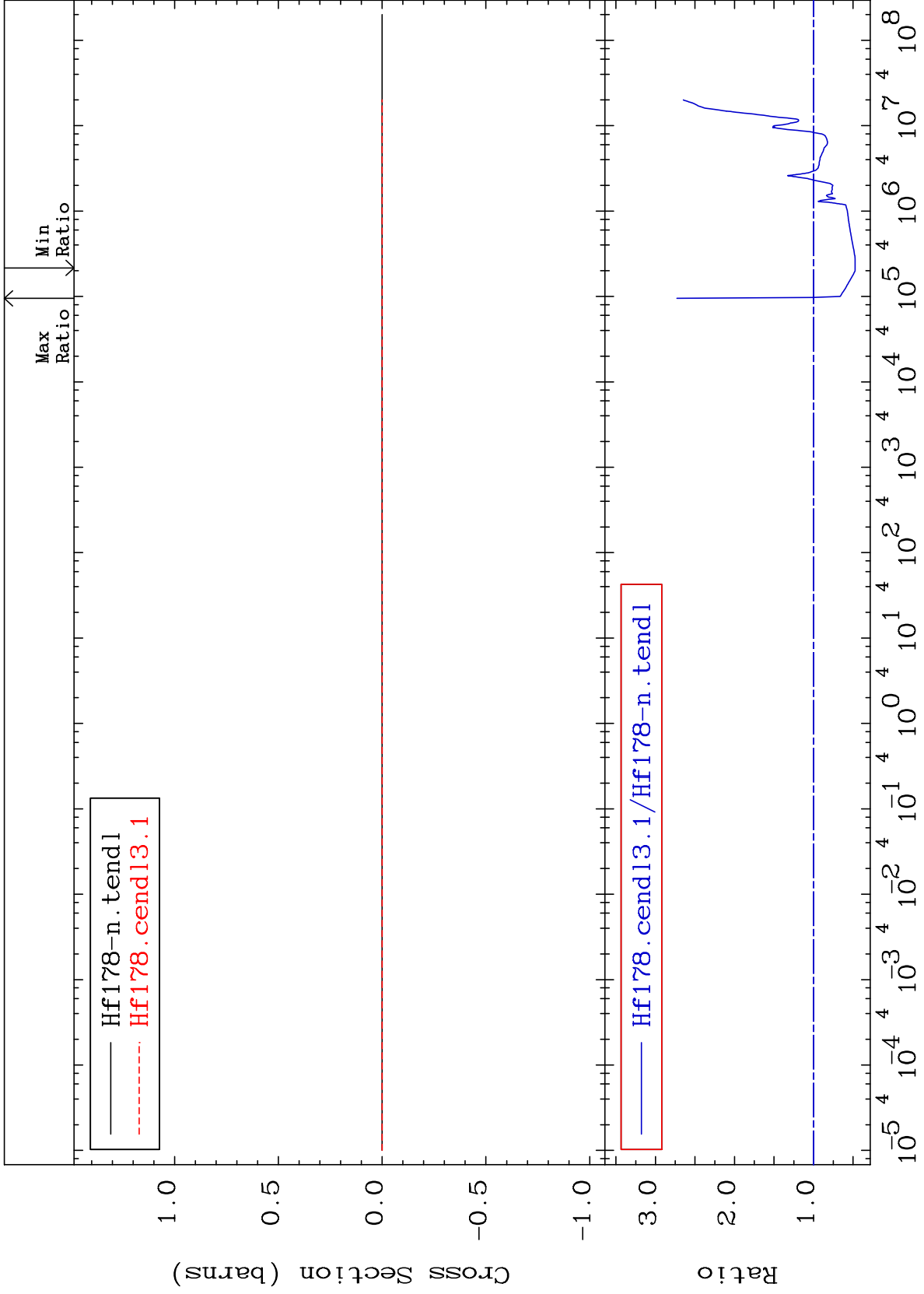
72-Hf-178
-52.58 To 172.9 %



MAT 7237

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

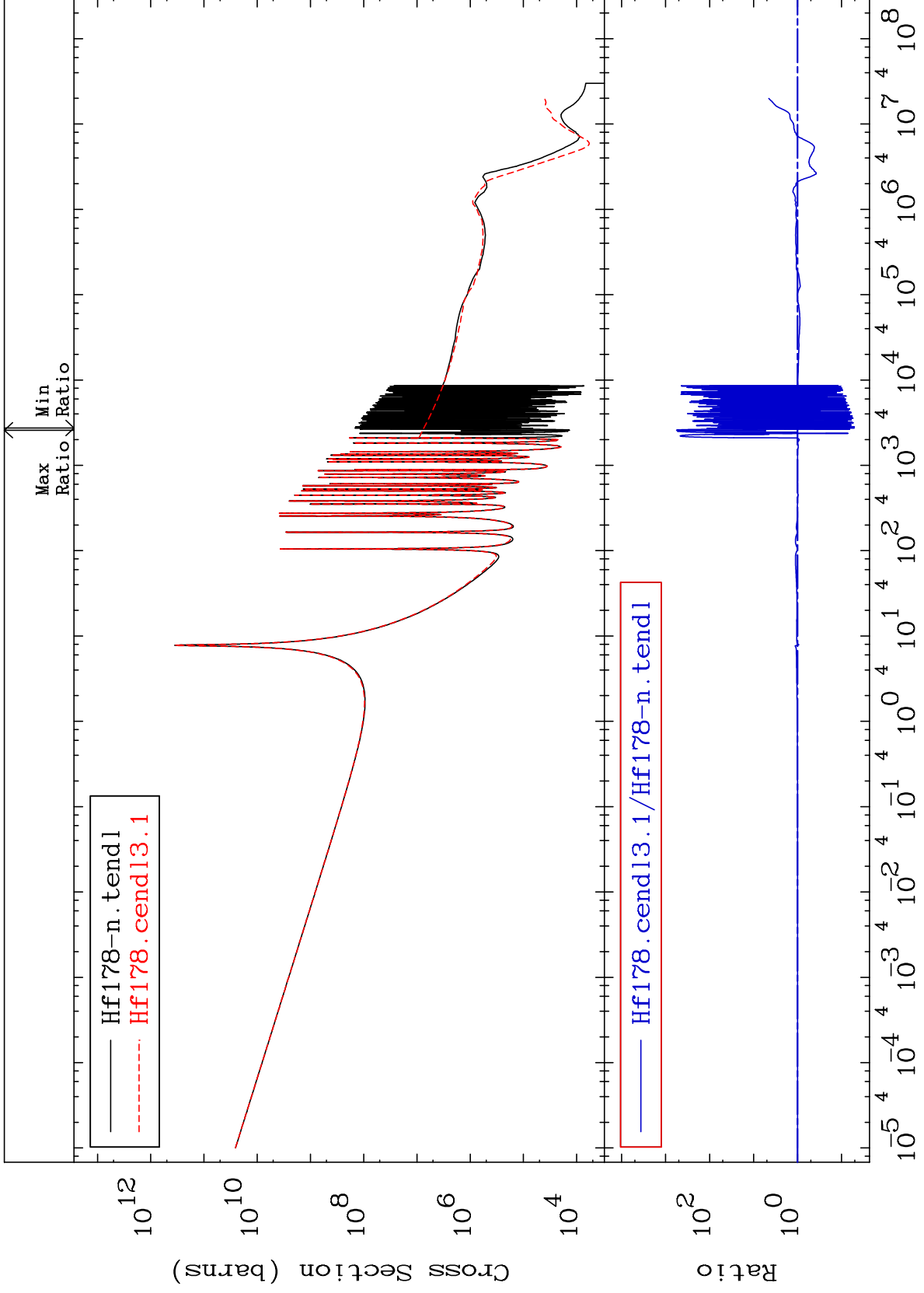
72-Hf-178
-52.58 To 172.9 %



MAT 7237

Kerma capture (mt102)
Cross Section

72-Hf-178
-94.90 To 9999. %



52

Incident Energy (eV)

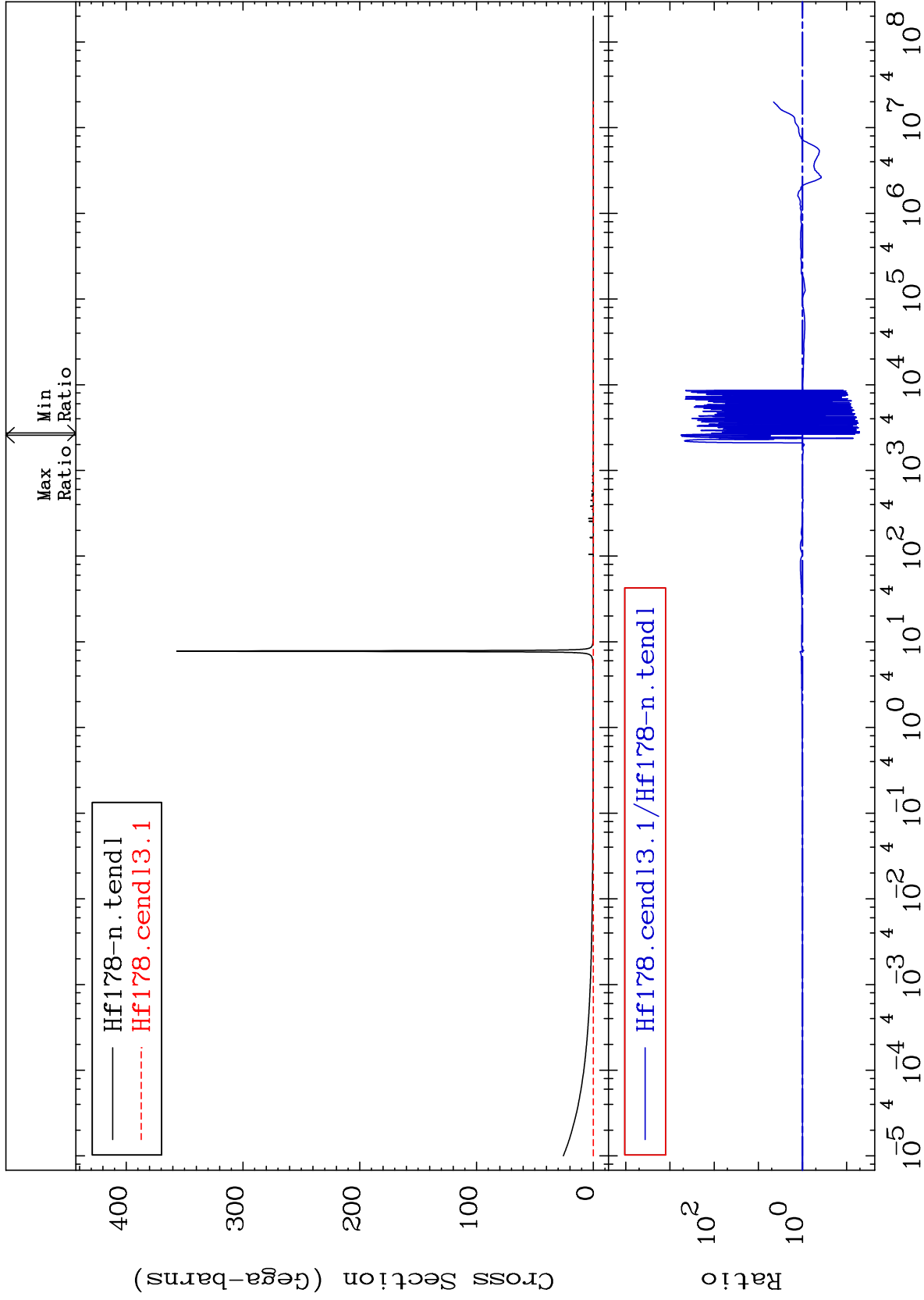
72-Hf-178

MAT 7237

Total photon (eV-barns)
Cross Section

72-Hf-178

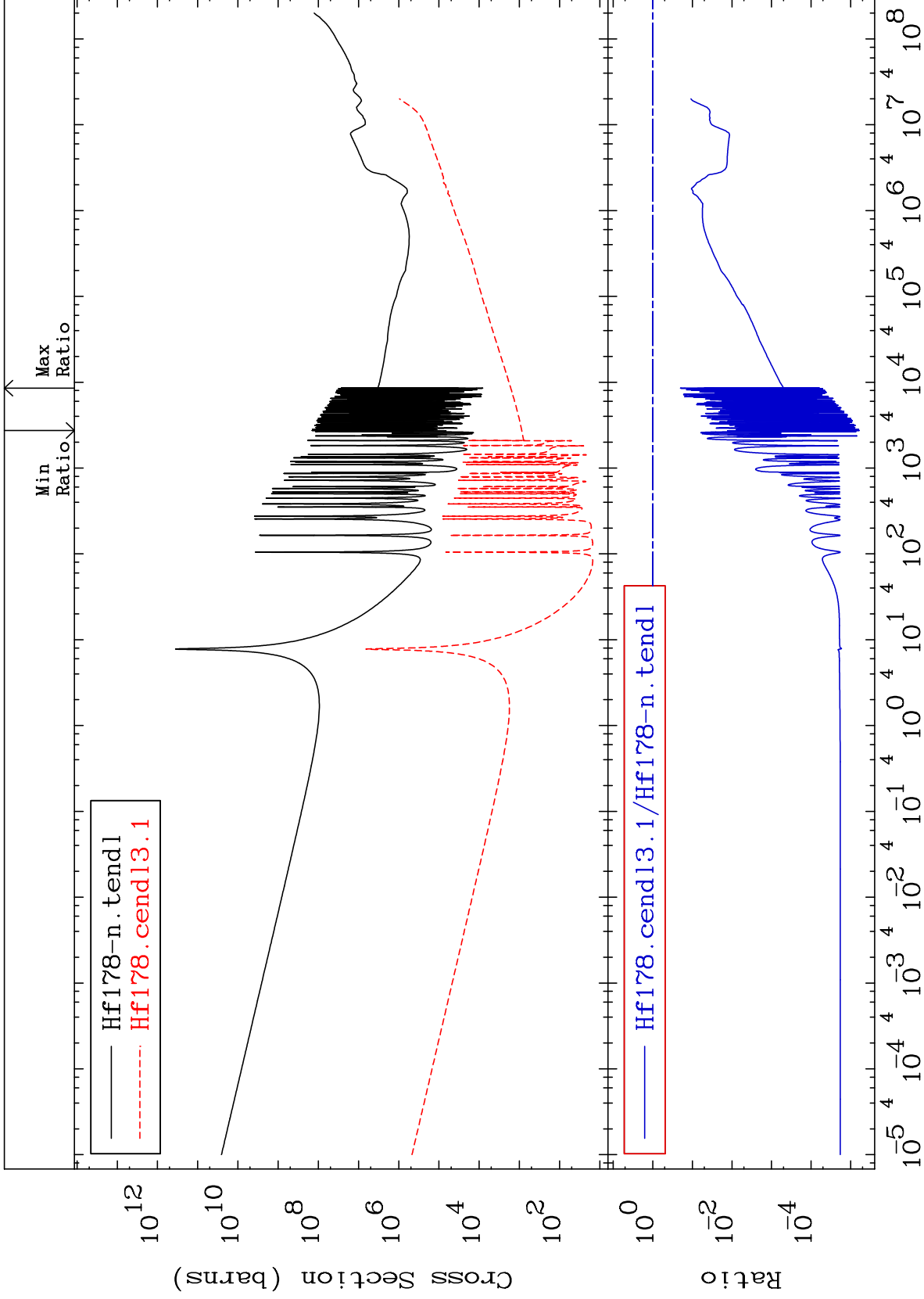
-94.90 To 9999. %



53

Incident Energy (eV)

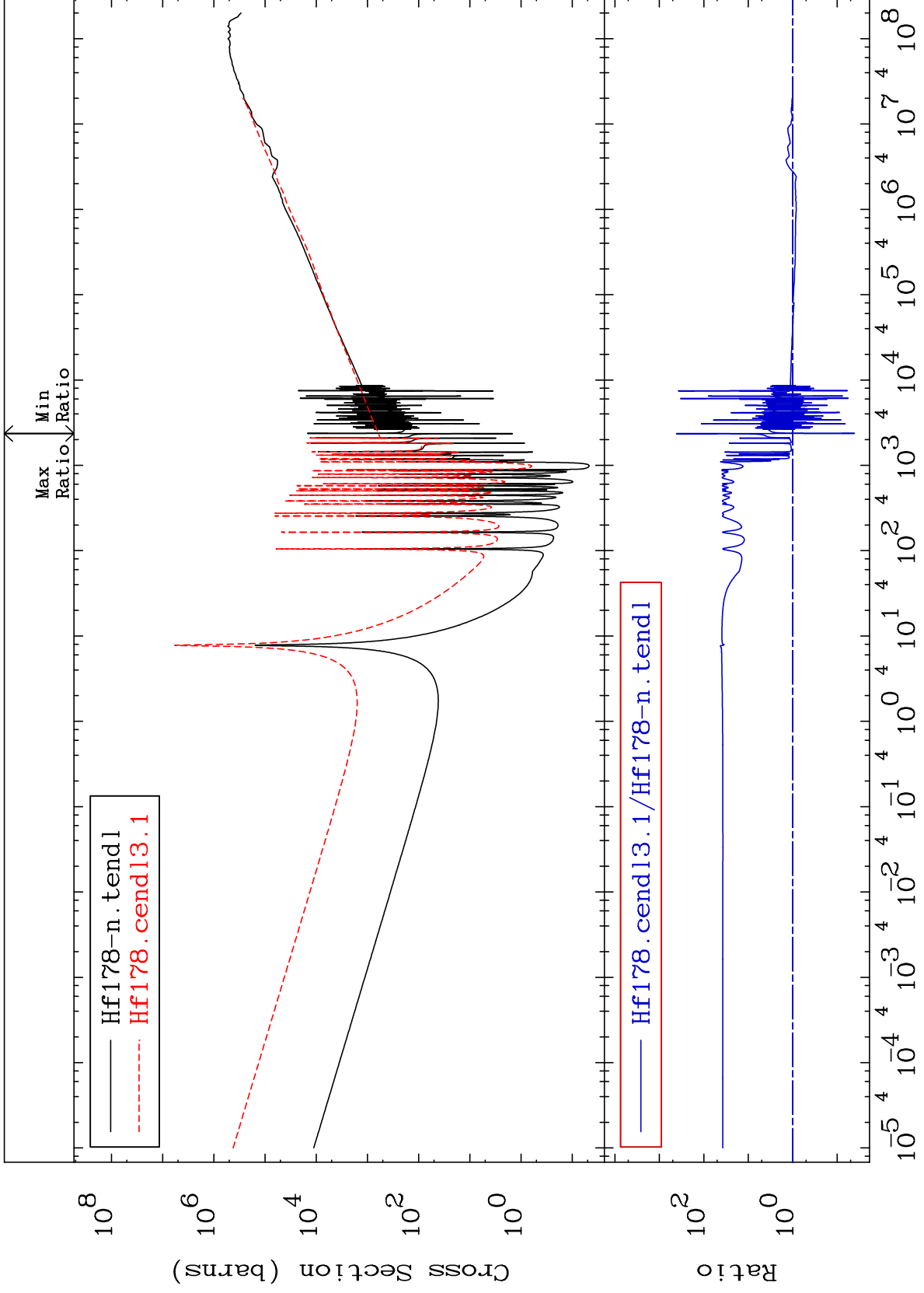
72-Hf-178



MAT 7237

Dpa total (eV-barns)
Cross Section

72-Hf-178
-95.89 To 9999. %



55

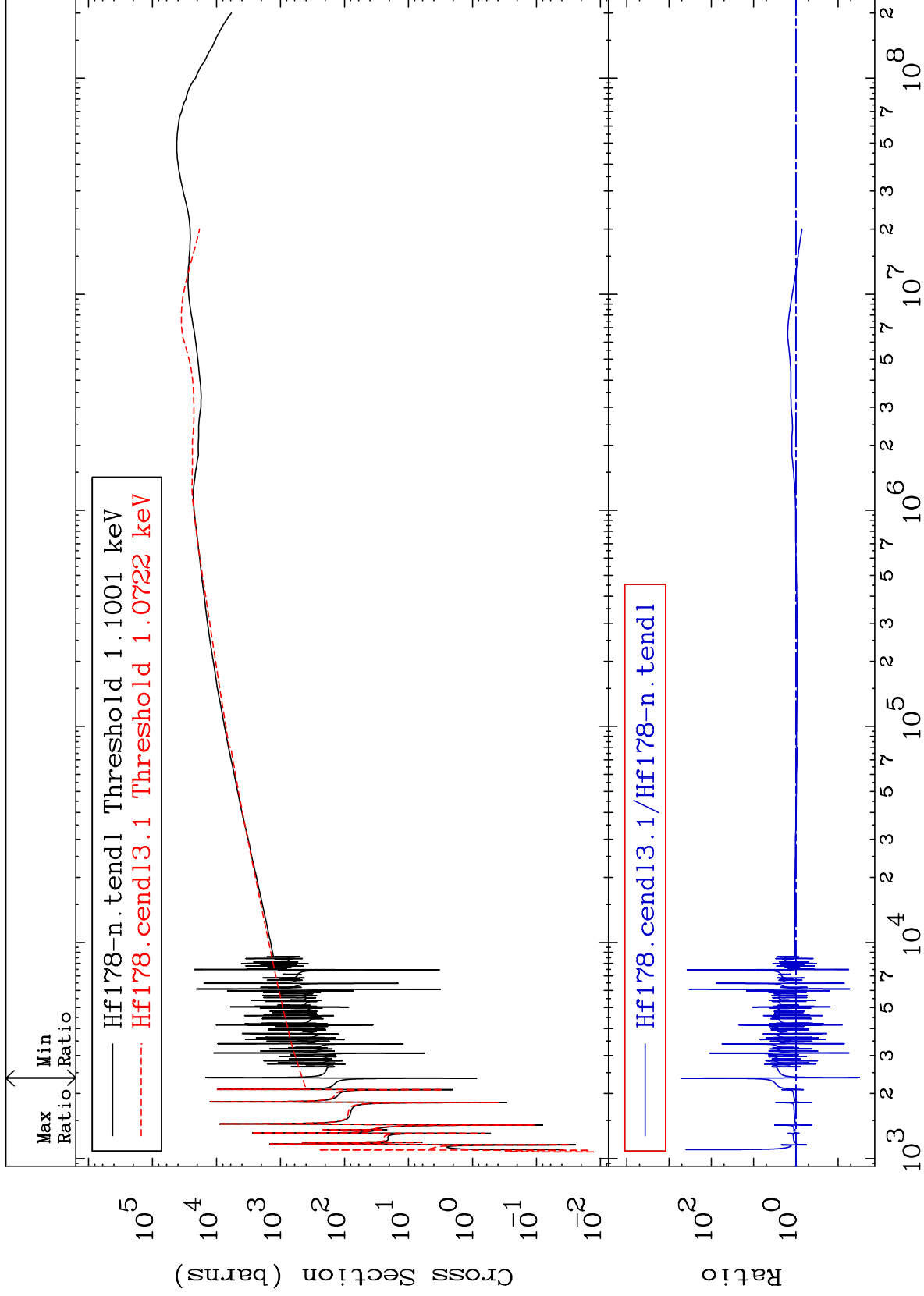
Incident Energy (eV)

72-Hf-178

MAT 7237

Dpa elastic (mt2)
Cross Section

72-Hf-178
-96.91 To 9999. %



56

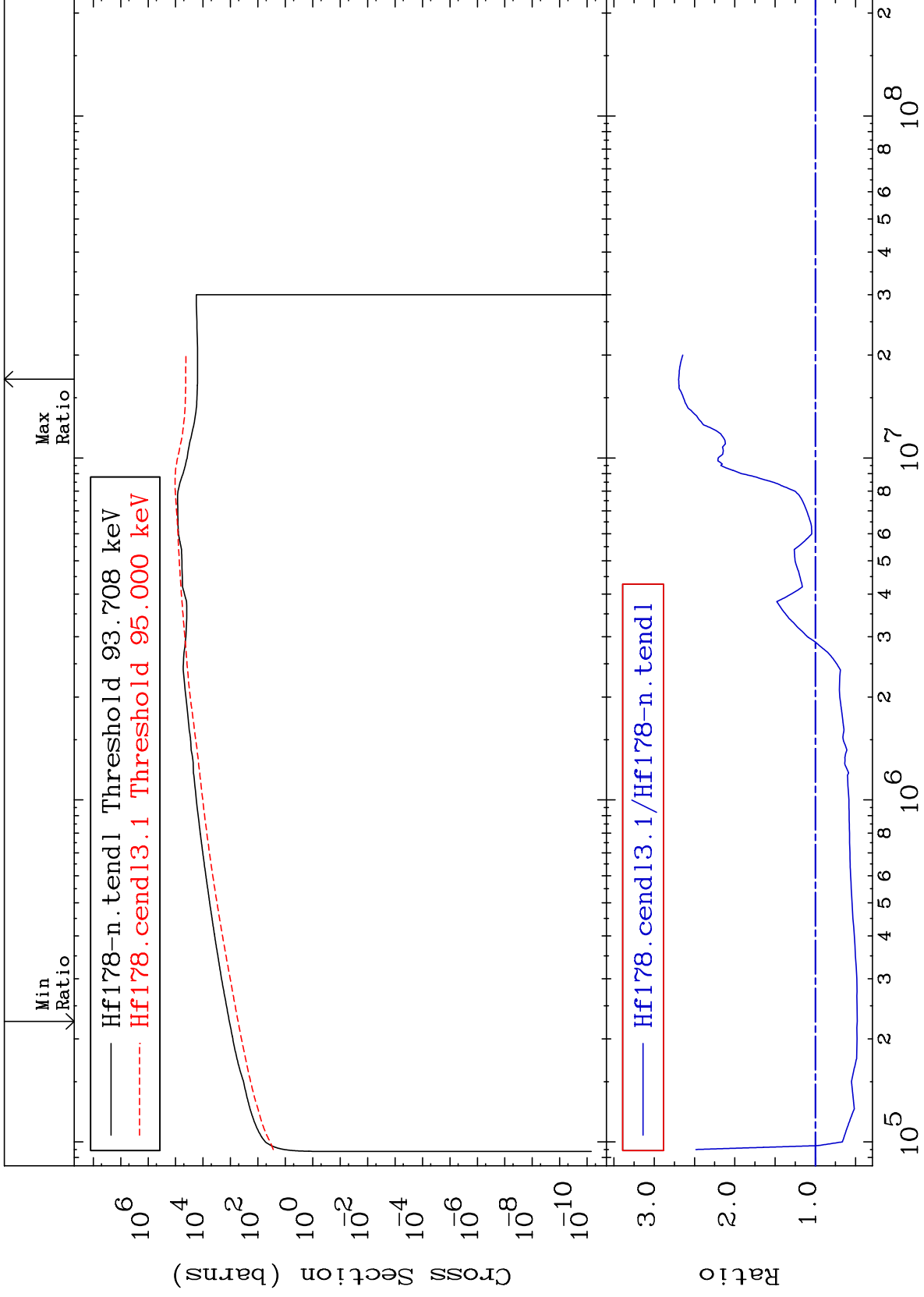
Incident Energy (eV)

72-Hf-178

MAT 7237

Dpa inelastic (mt51-91)
Cross Section

72-Hf-178
-52.04 To 169.7 %



57

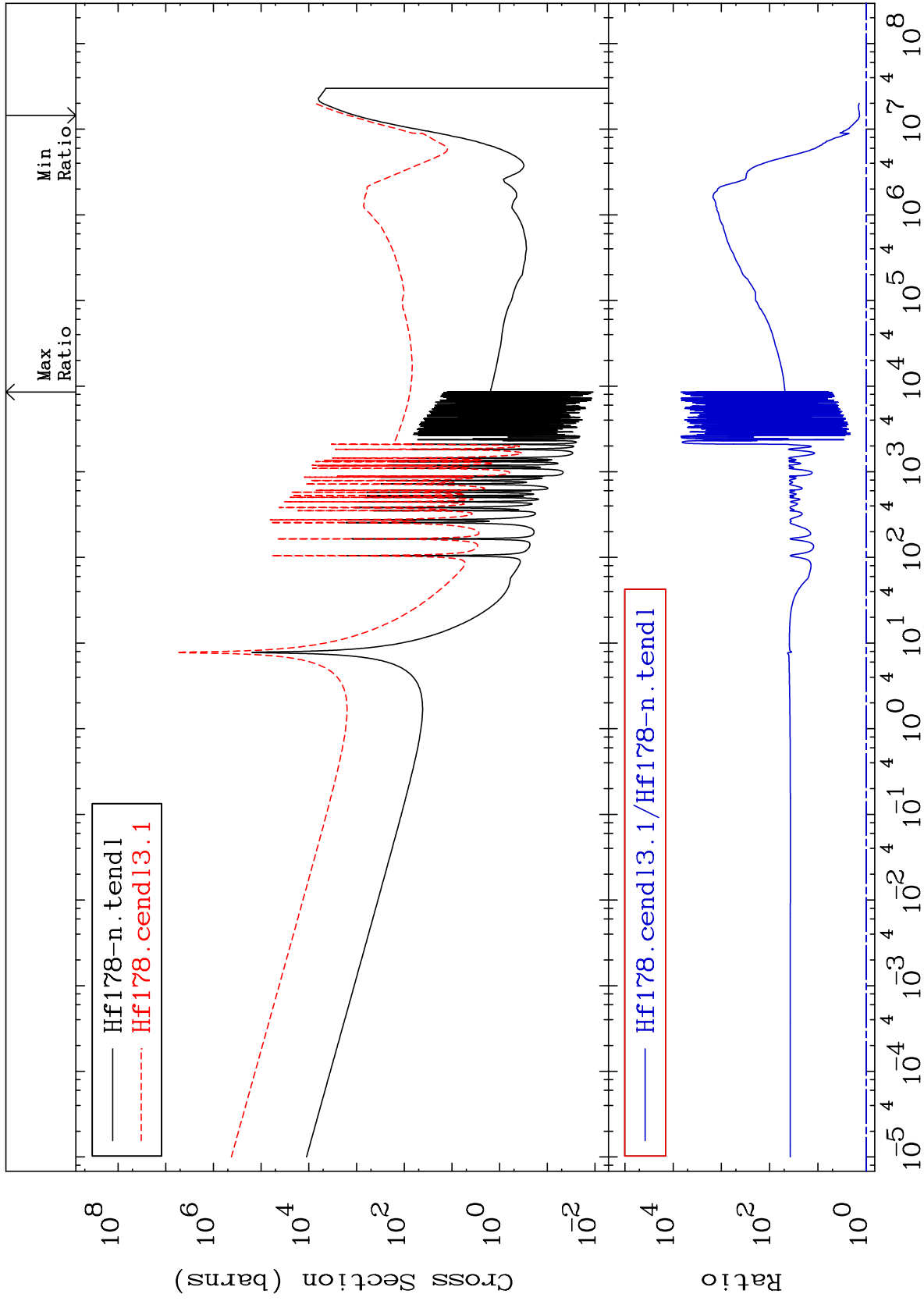
Incident Energy (eV)

72-Hf-178

MAT 7237

Dpa disappearance (mt102 -120)
Cross Section

72-Hf-178
38.00 To 9999. %



58

Incident Energy (eV)

72-Hf-178