

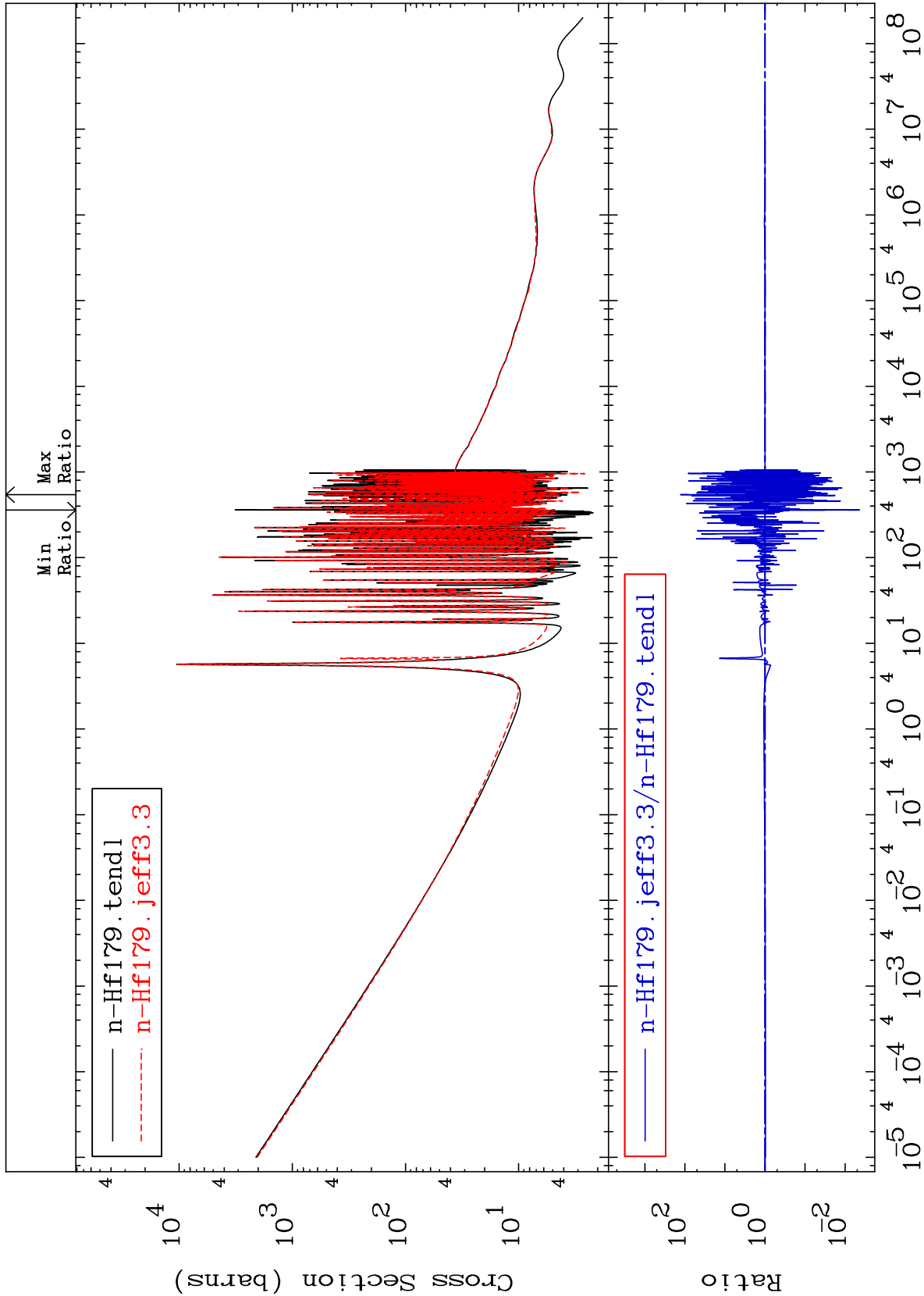
MAT 7240

Total

⁷²Hf-179

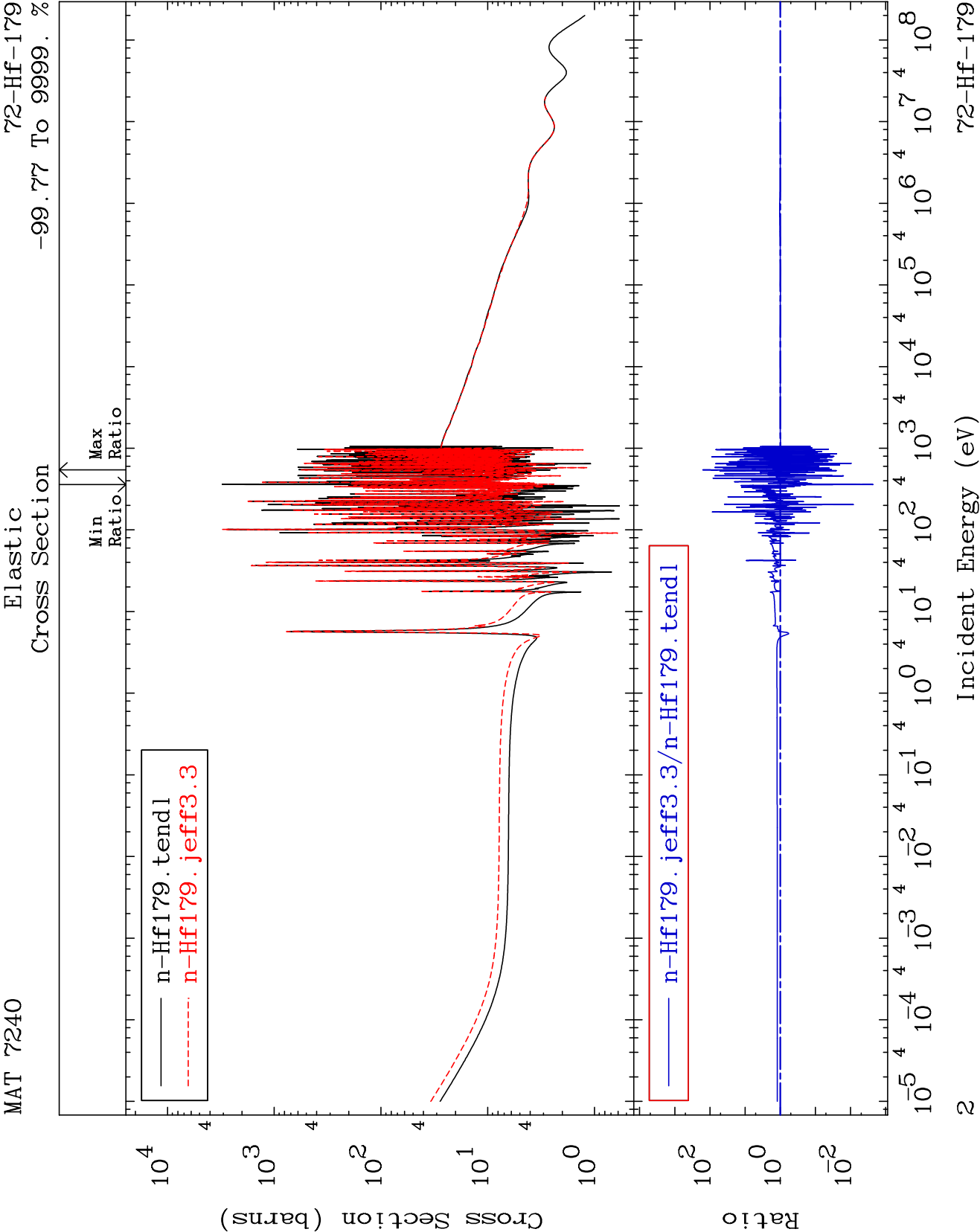
Cross Section

-99.56 To 9999. %



Incident Energy (eV)

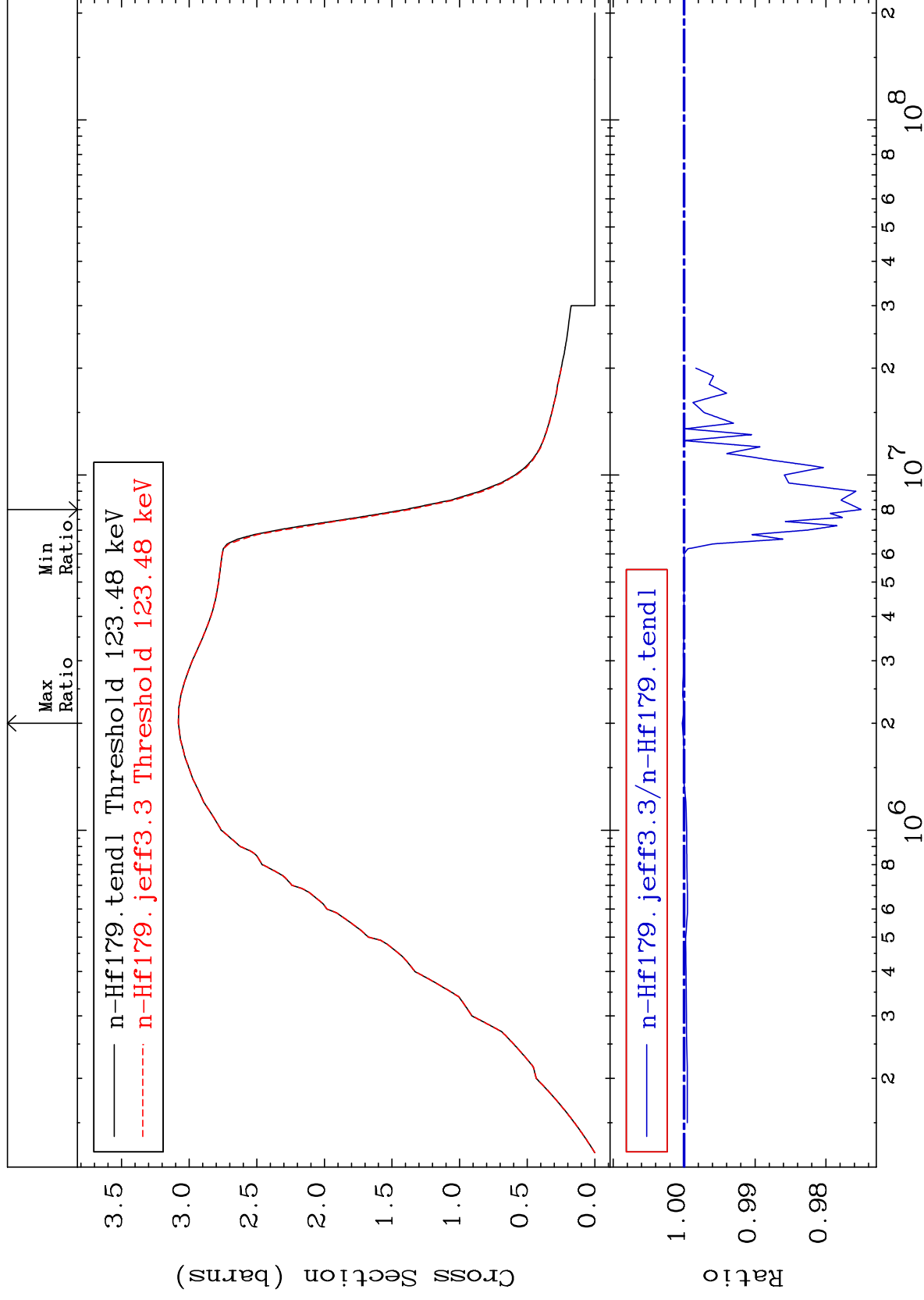
⁷²Hf-179

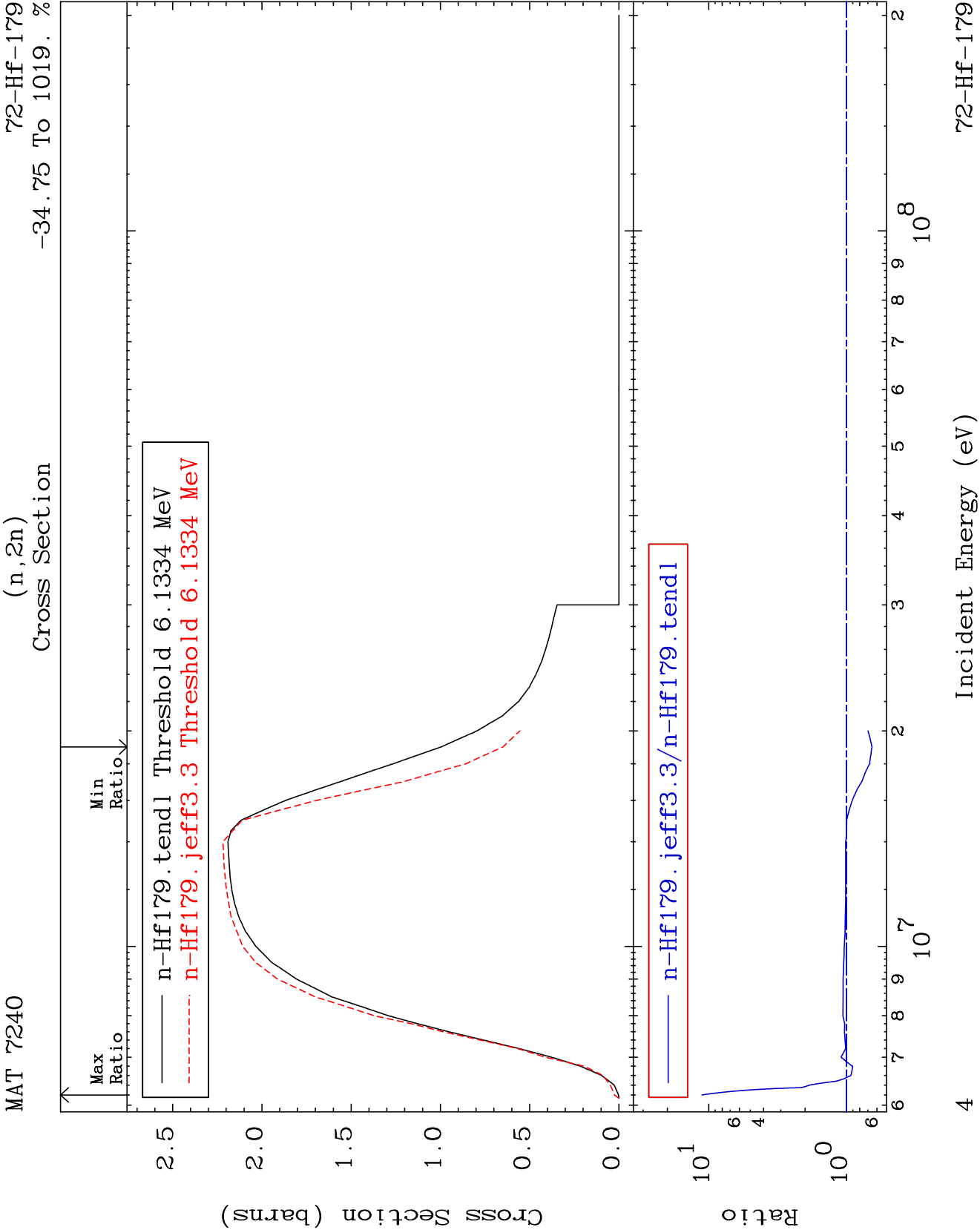


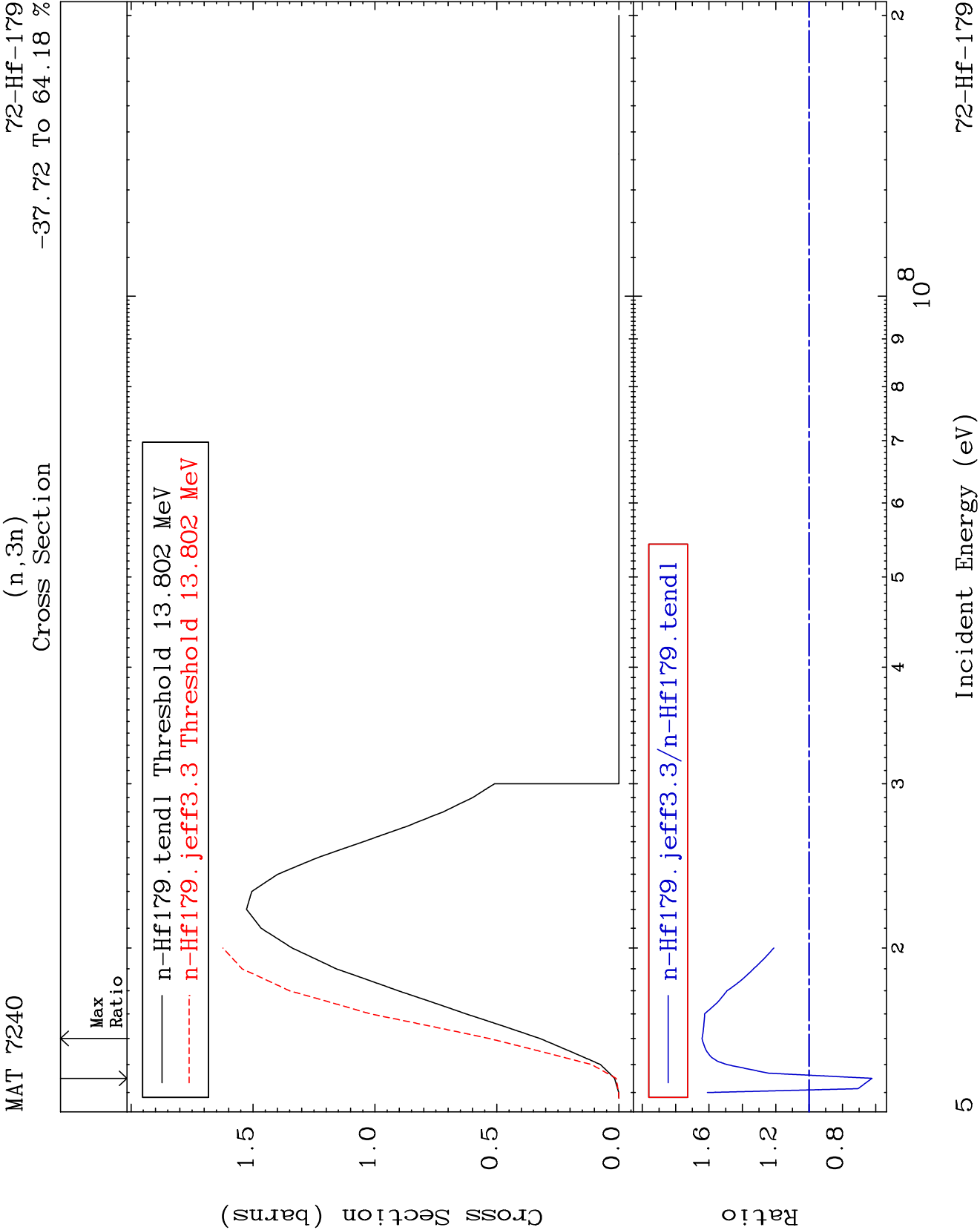
MAT 7240

$^{72}\text{Hf-179}$
-2.495 To 0.025 %

Inelastic
Cross Section



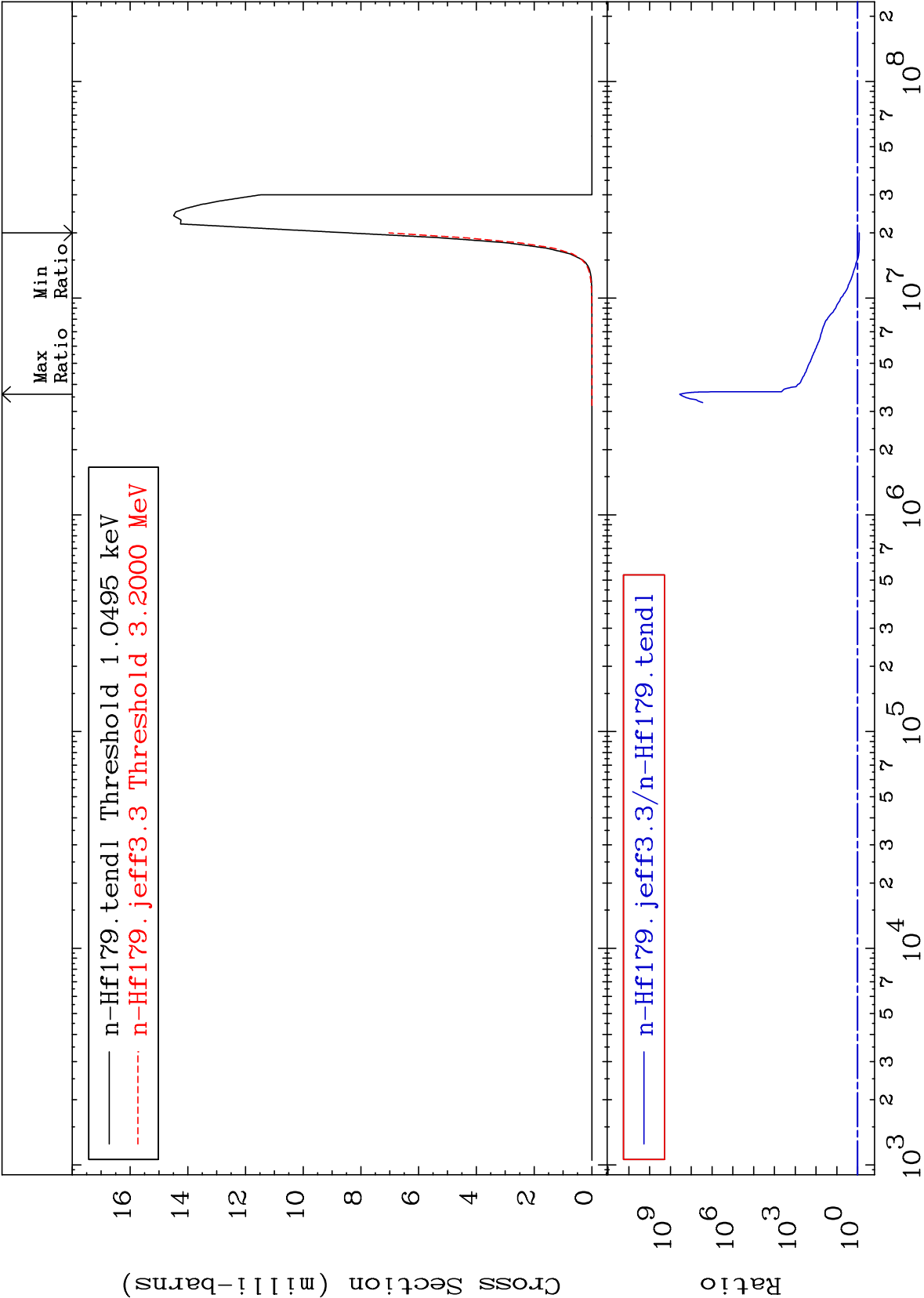




MAT 7240

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

$^{72}\text{Hf-179}$
-16.51 To 9999. %



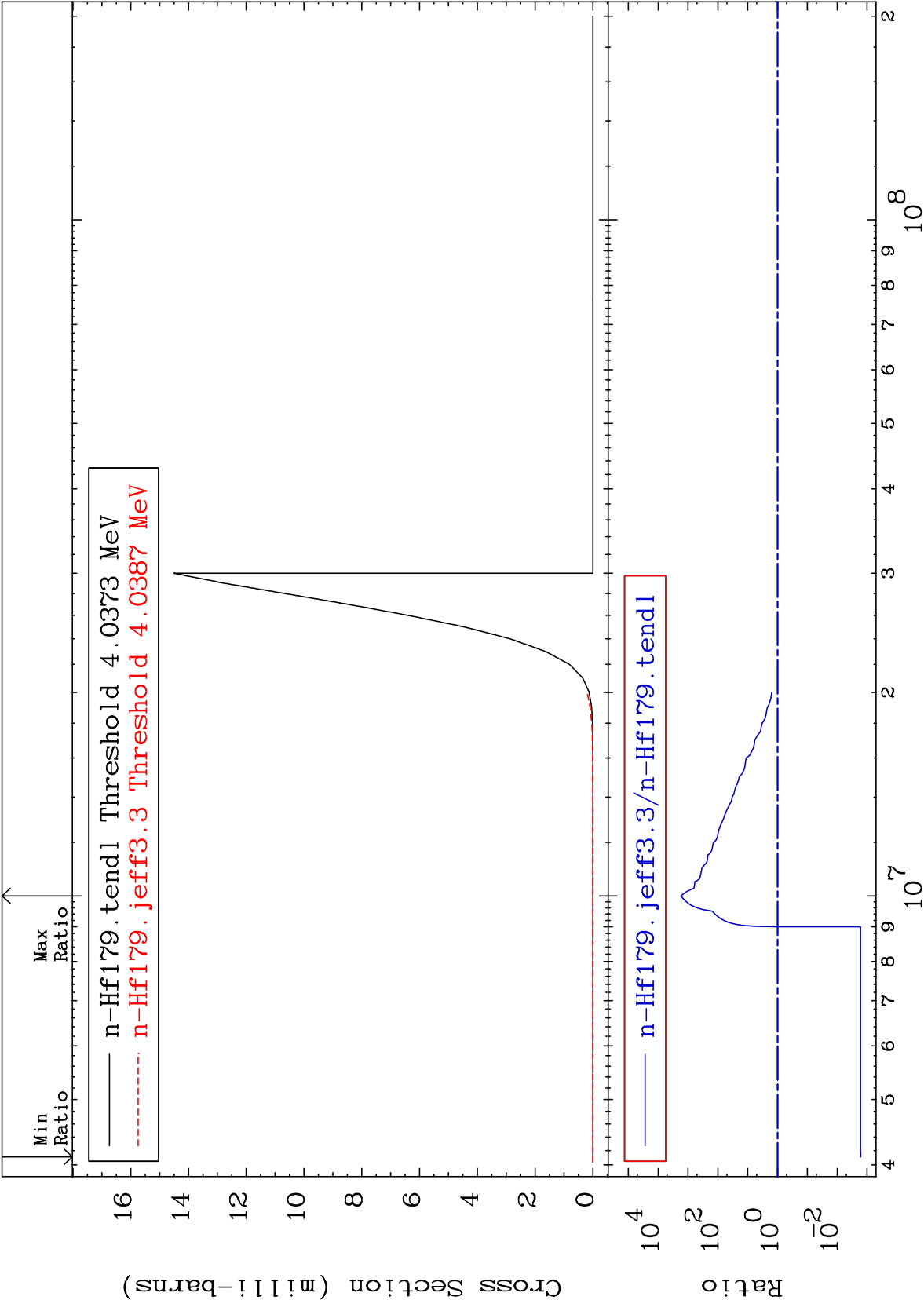
Incident Energy (eV)

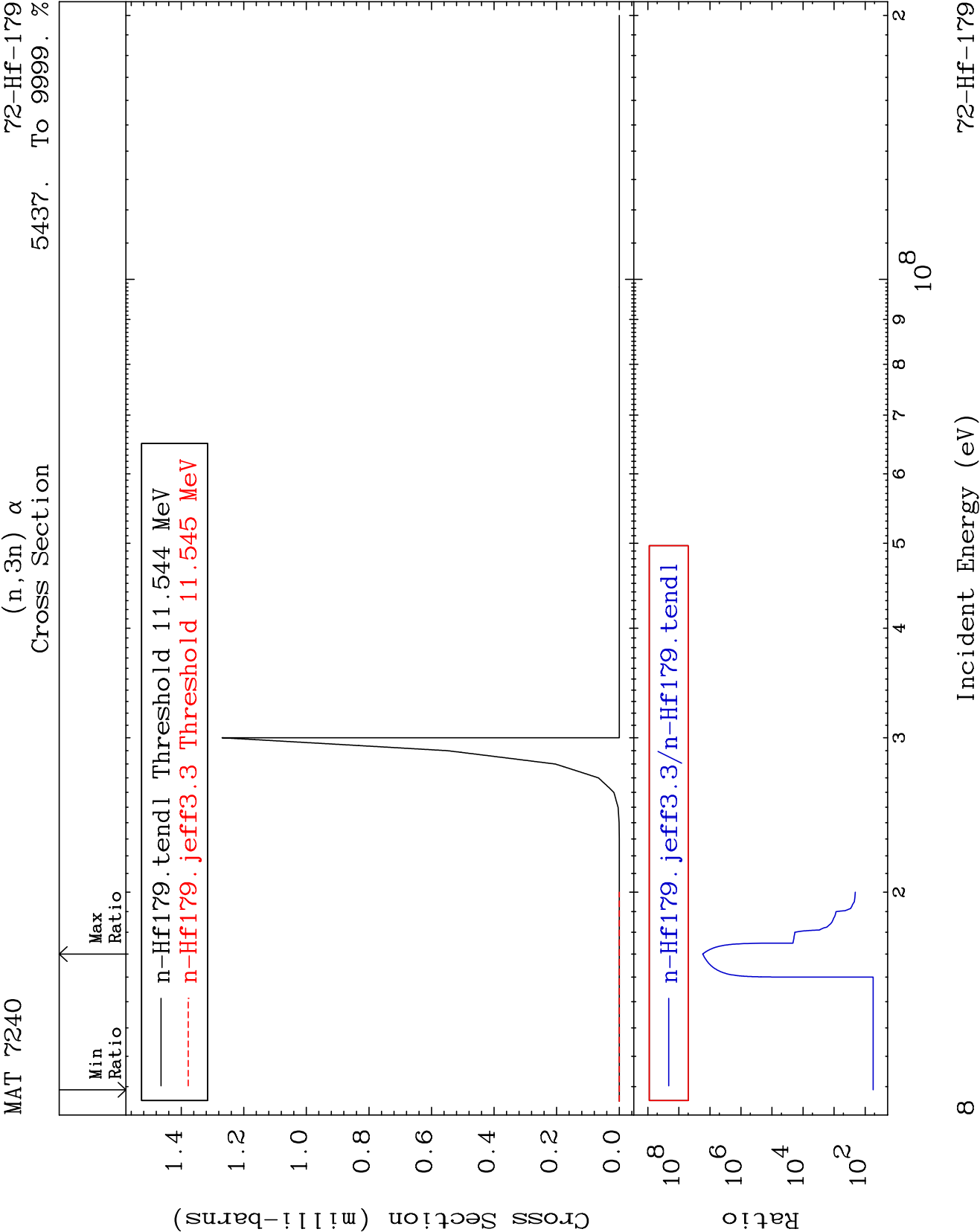
$^{72}\text{Hf-179}$

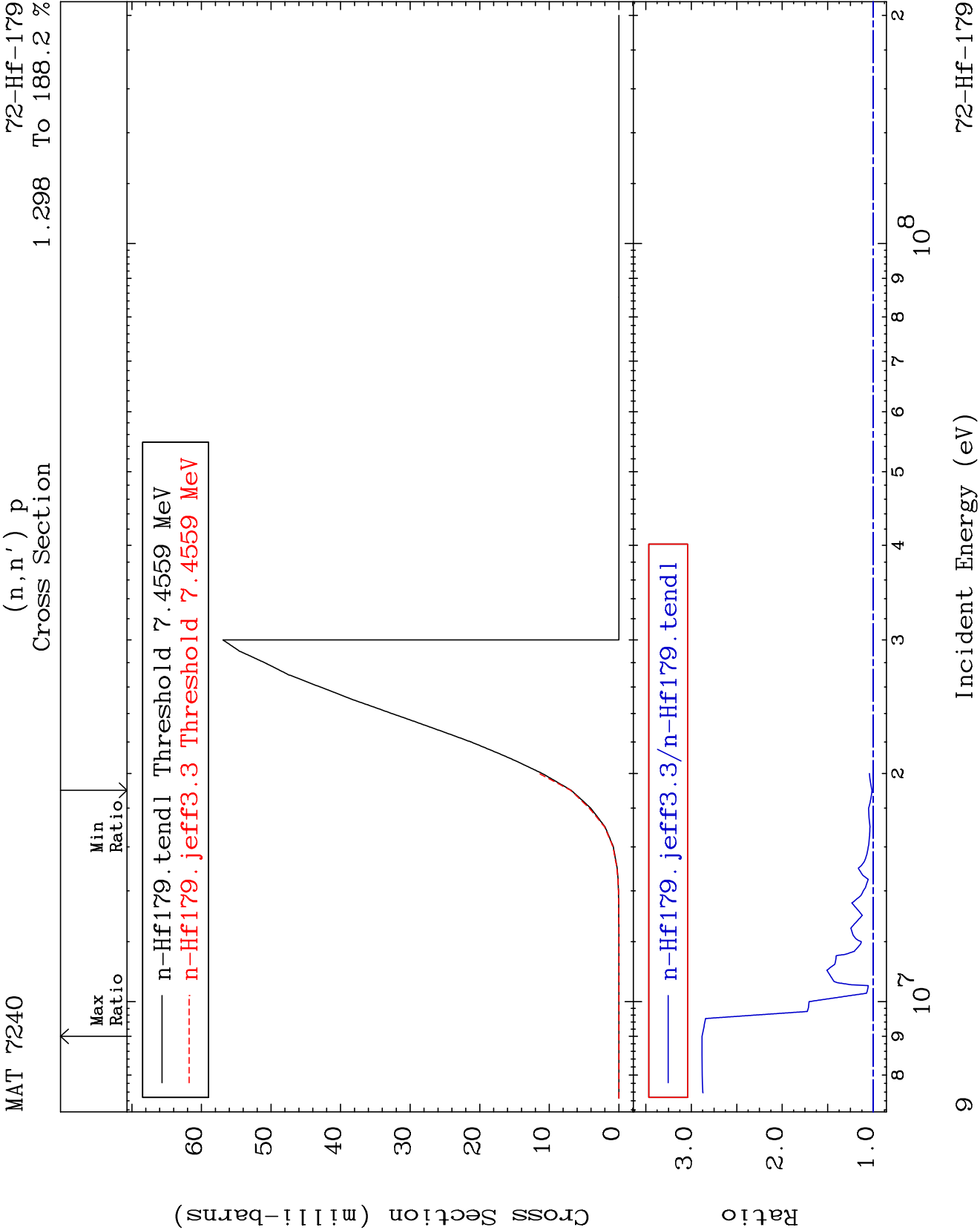
MAT 7240

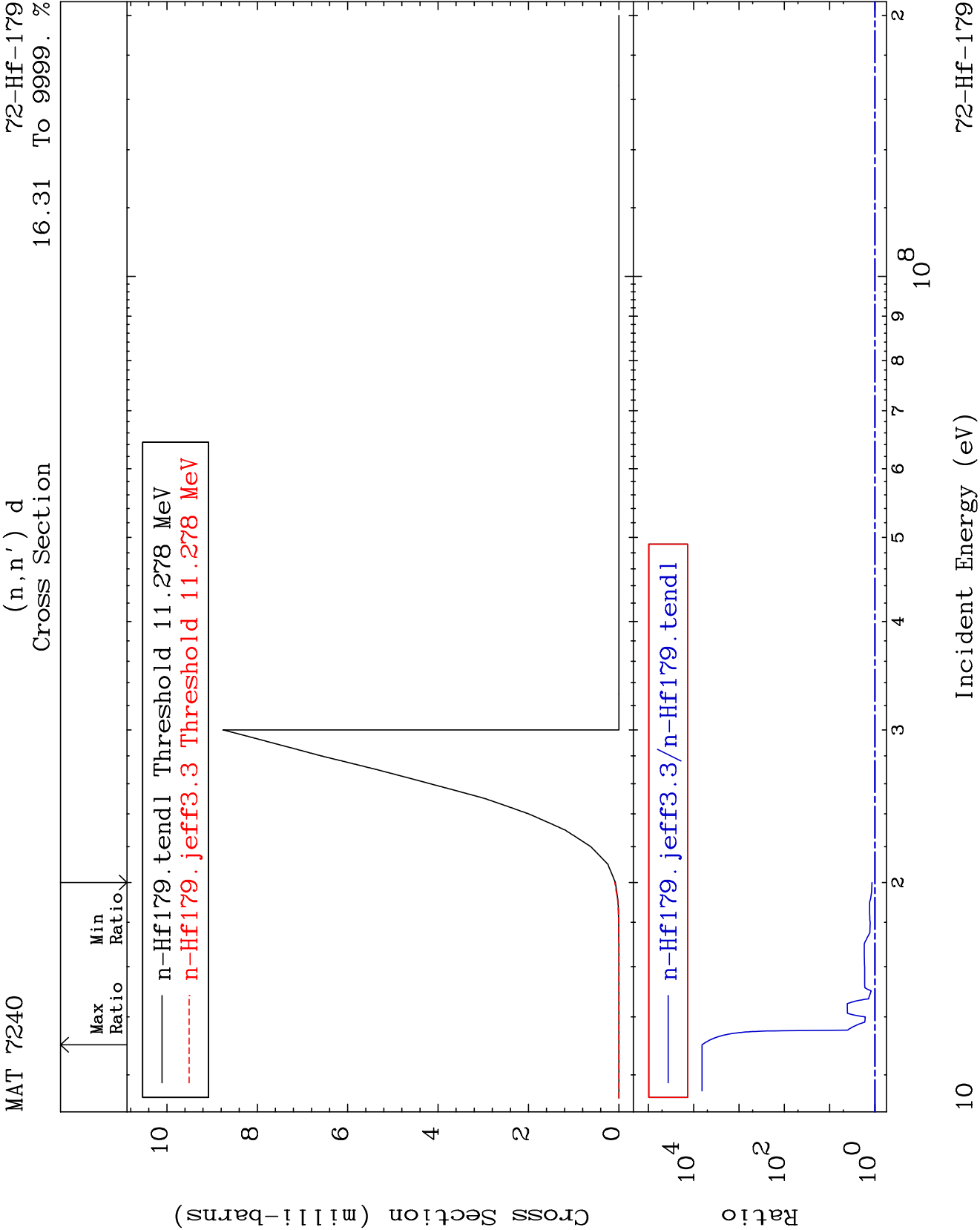
(n,2n) α
Cross Section

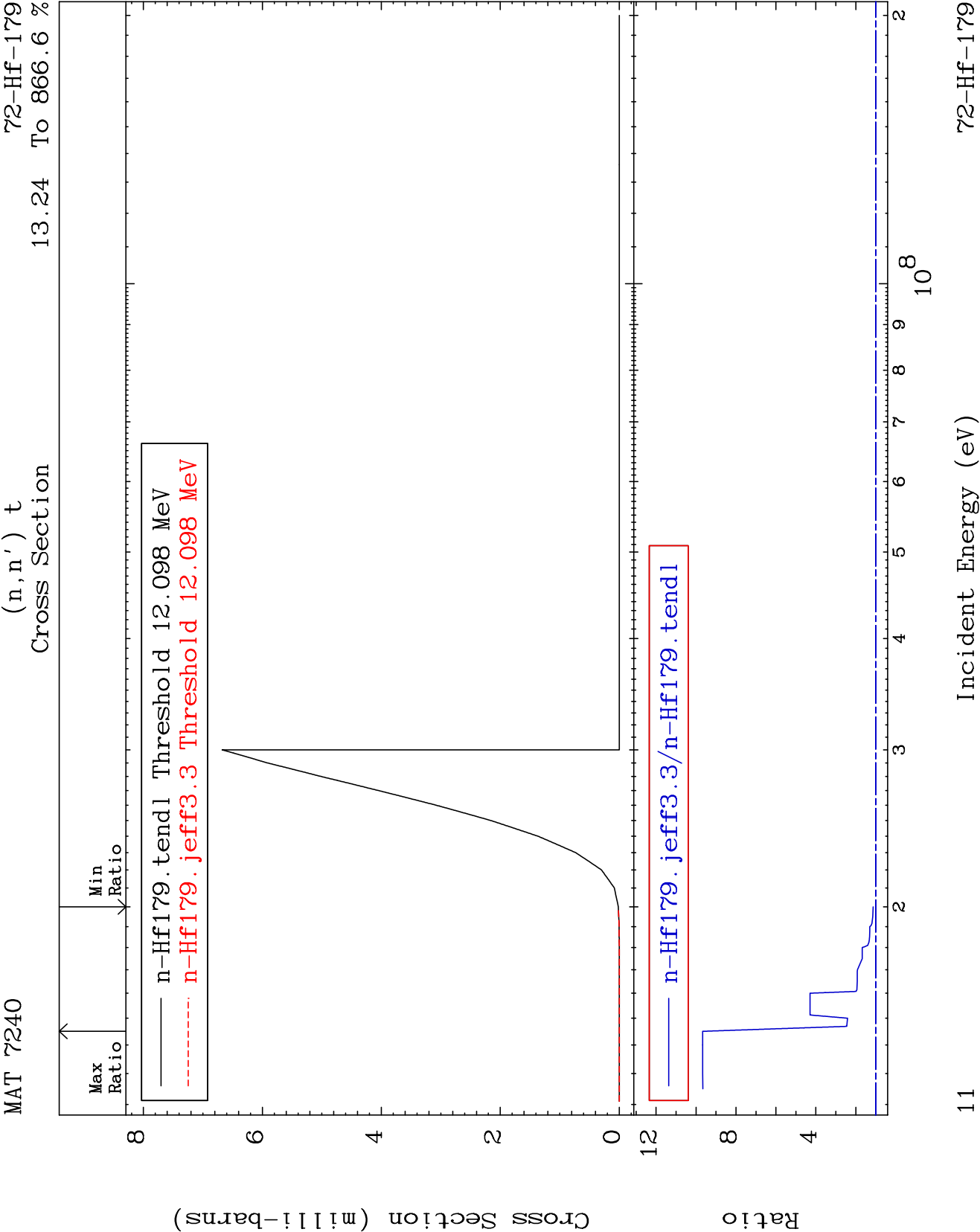
$^{72}\text{Hf-179}$
-99.84 To 9999. %

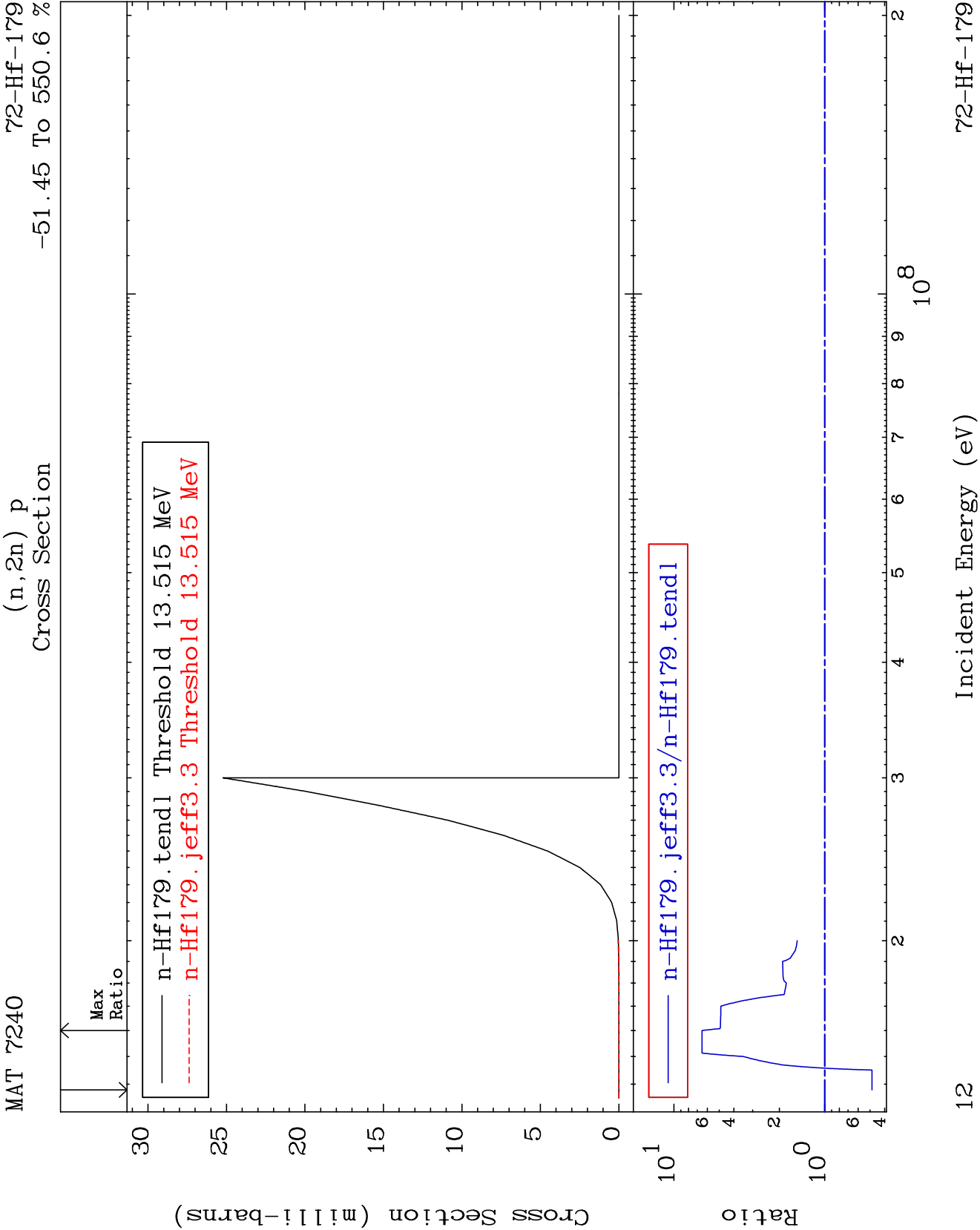


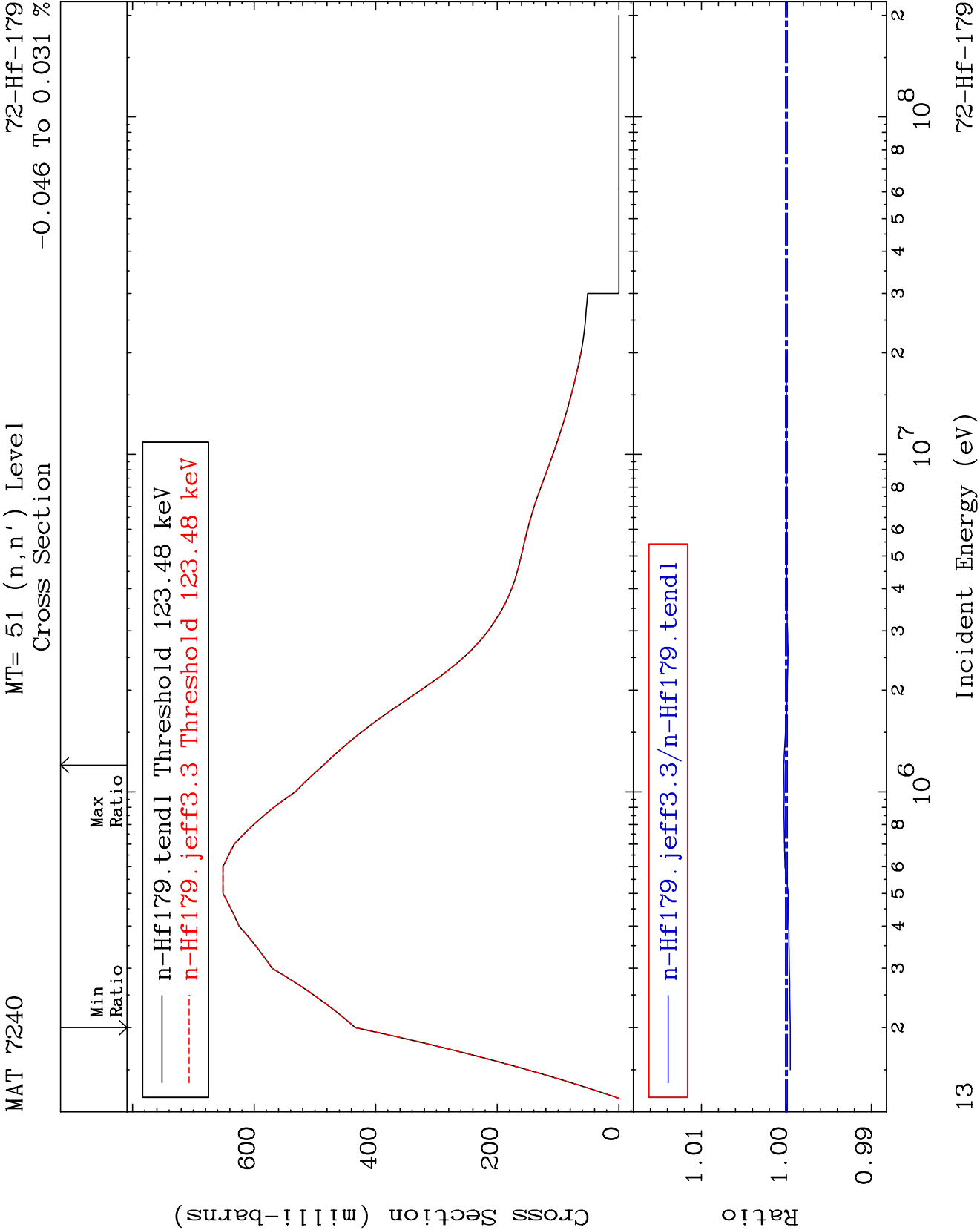


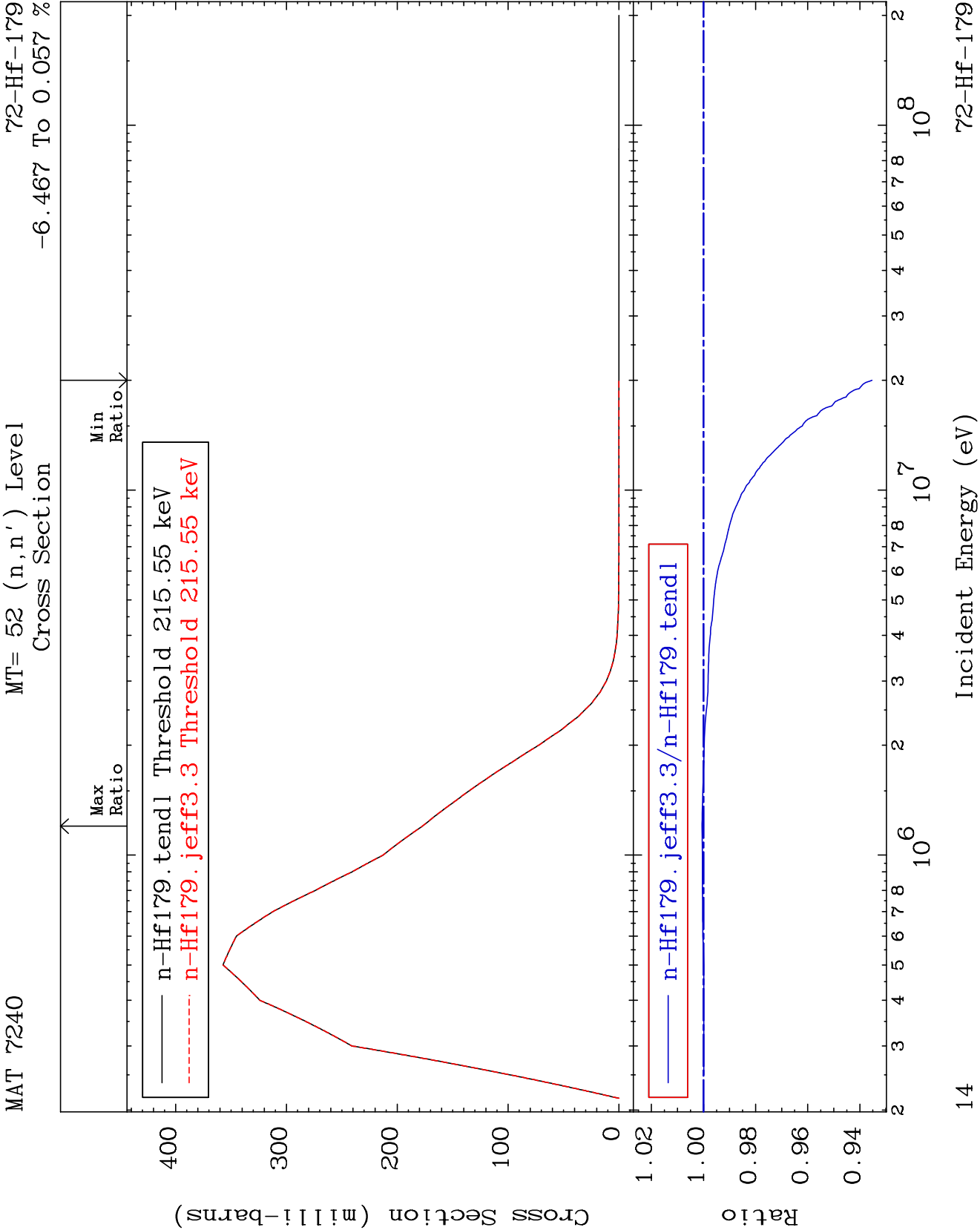


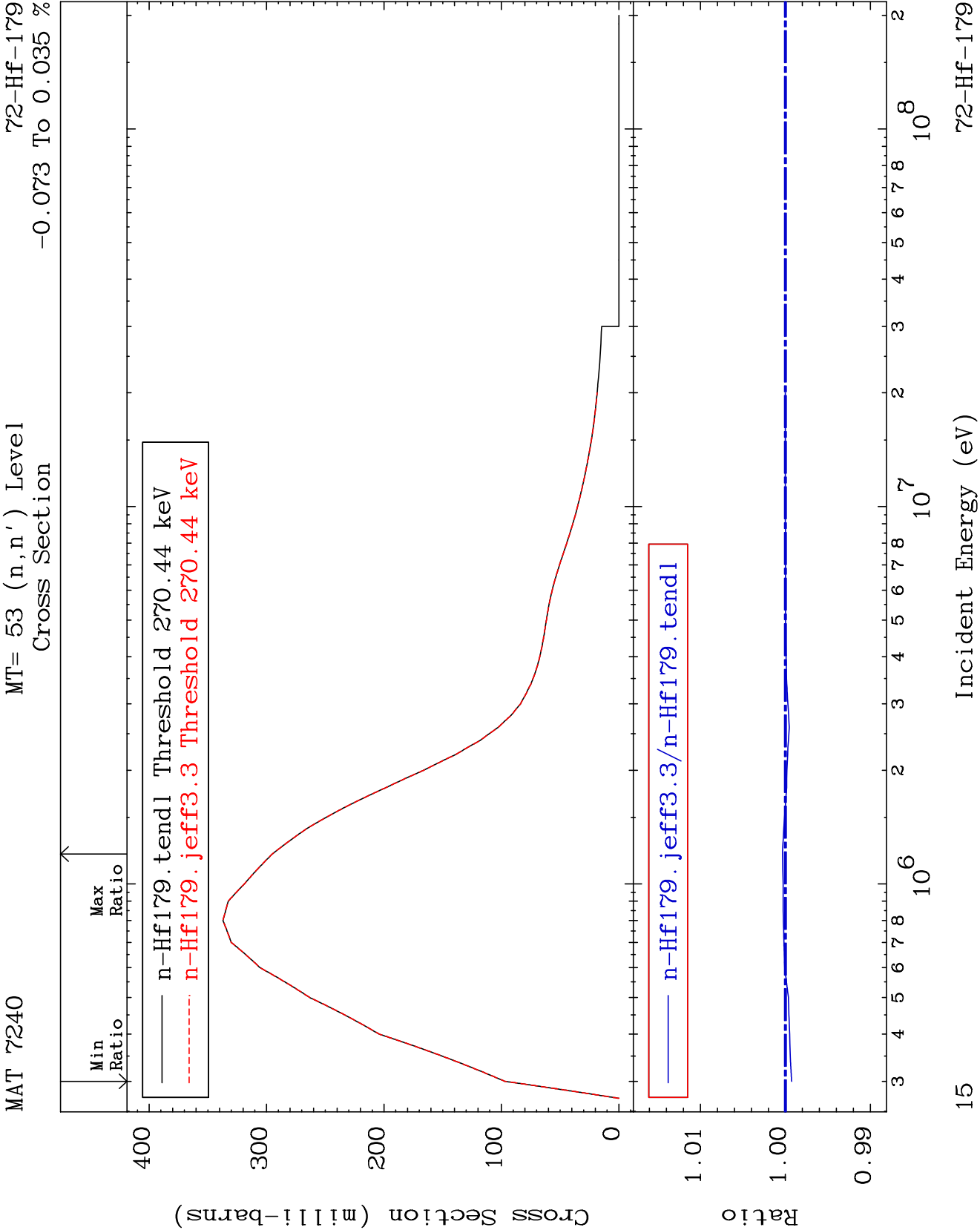


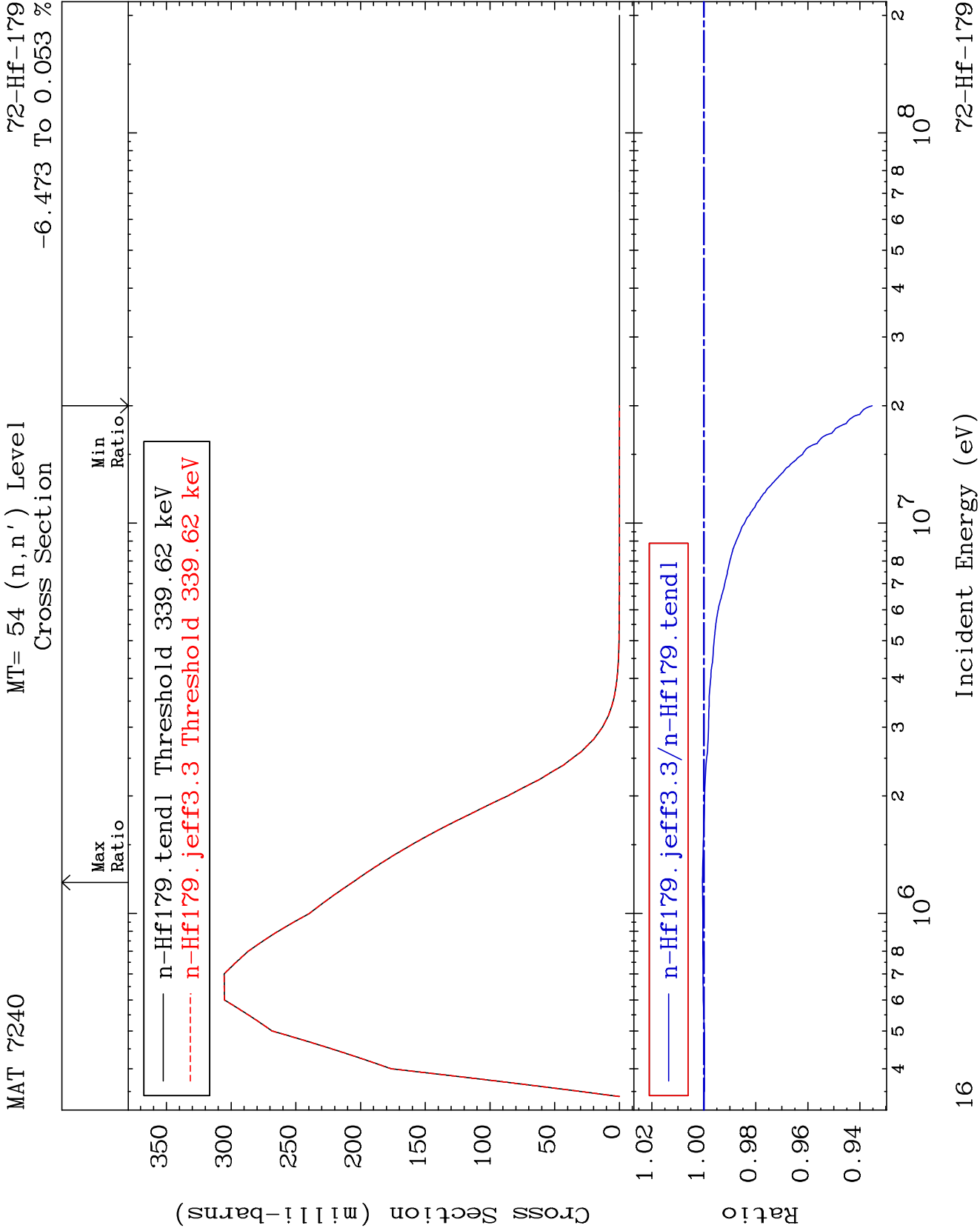








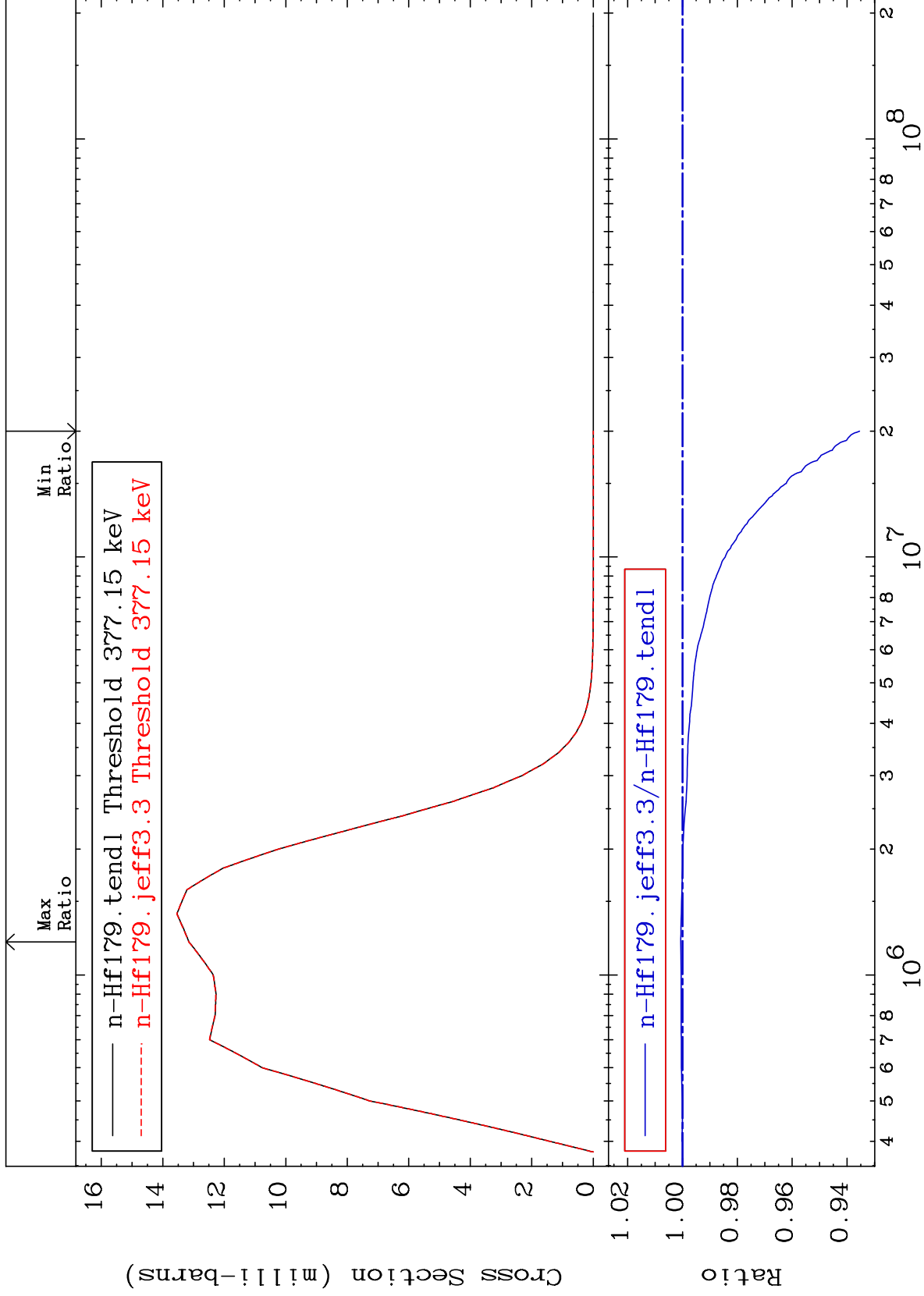




MAT 7240

MT= 55 (n,n') Level
Cross Section

⁷²Hf-¹⁷⁹
-6.456 To 0.063 %



17

Incident Energy (eV)

⁷²Hf-¹⁷⁹

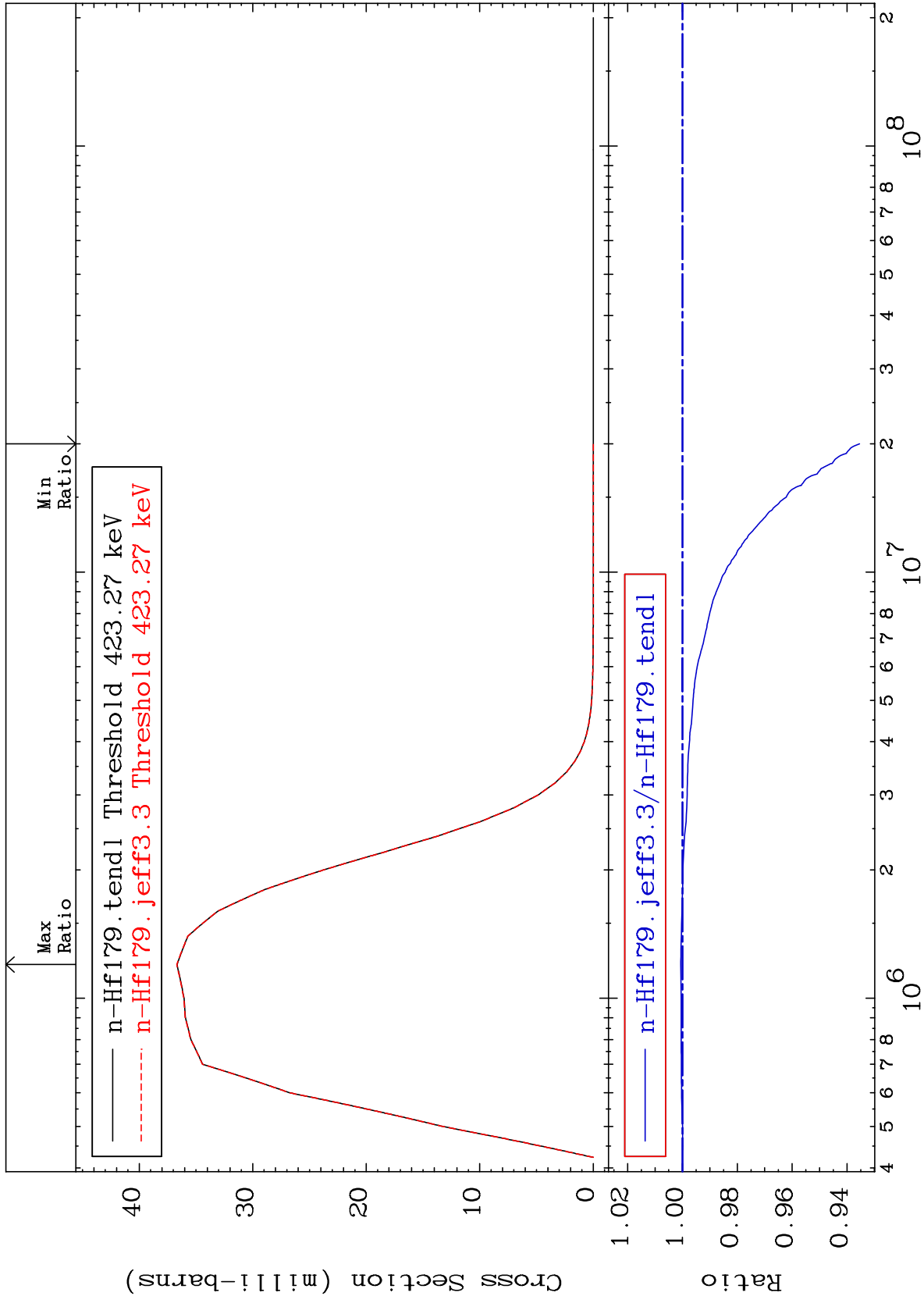
MAT 7240

MT= 56 (n,n') Level

⁷²Hf-¹⁷⁹

Cross Section

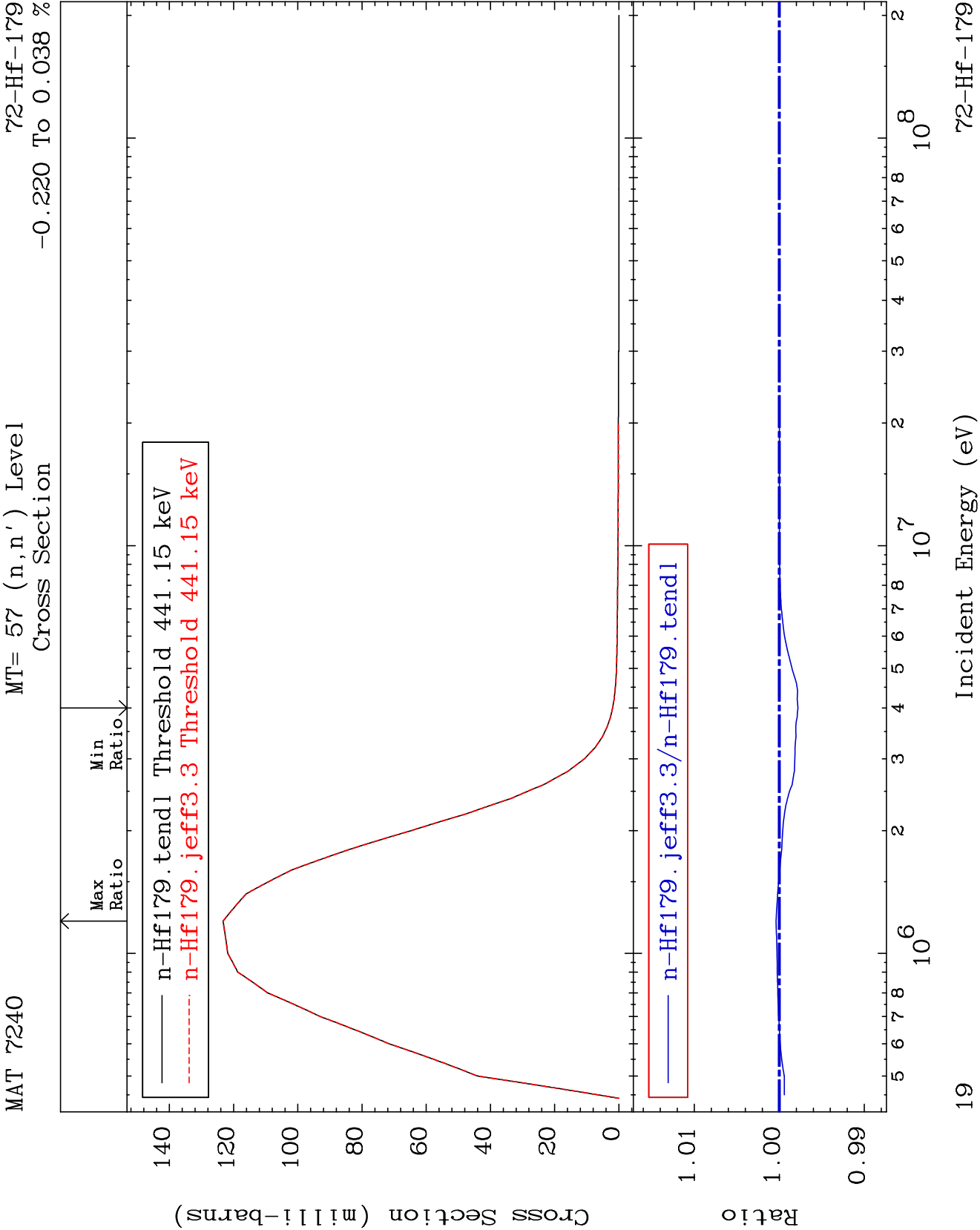
-6.458 To 0.062 %

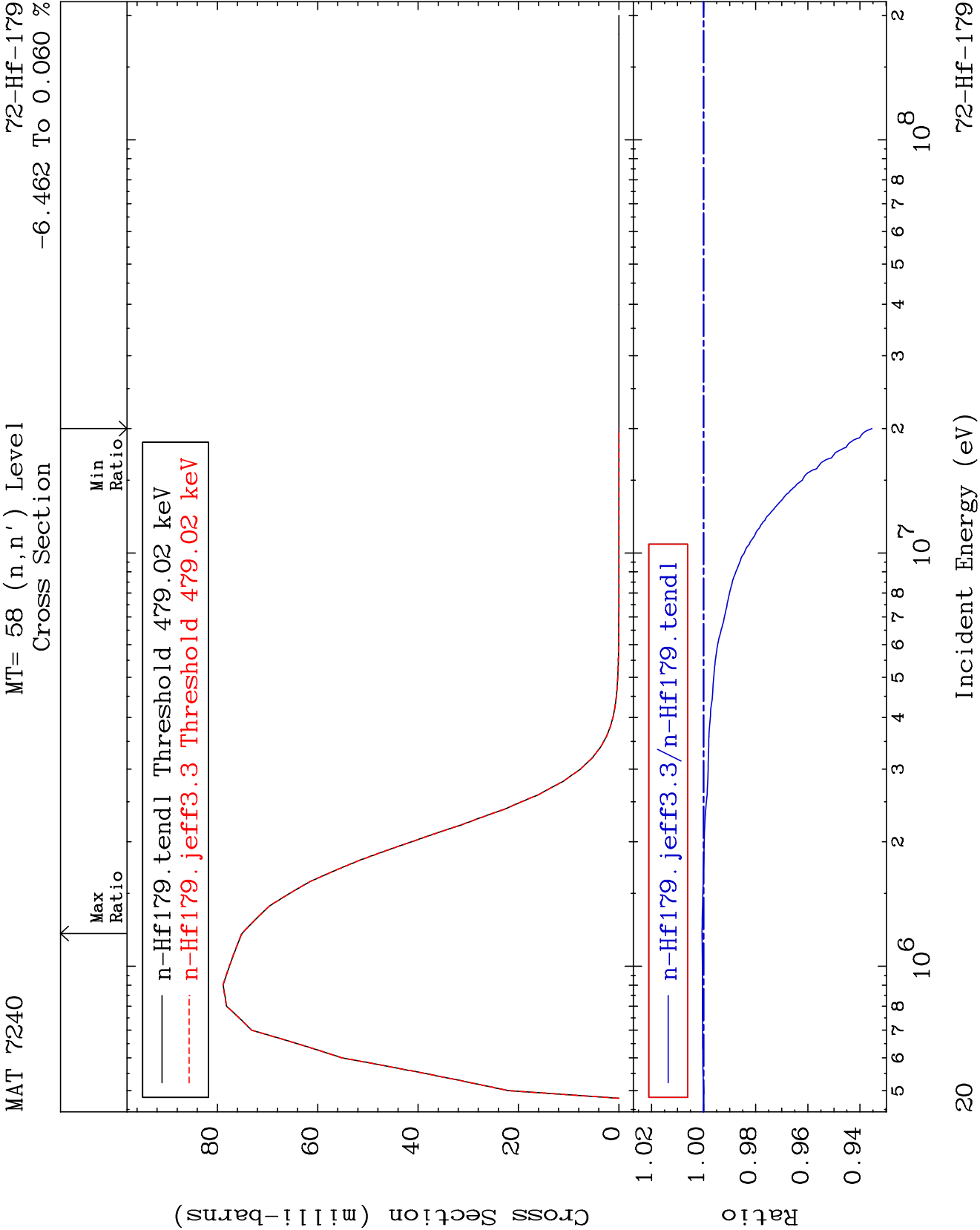


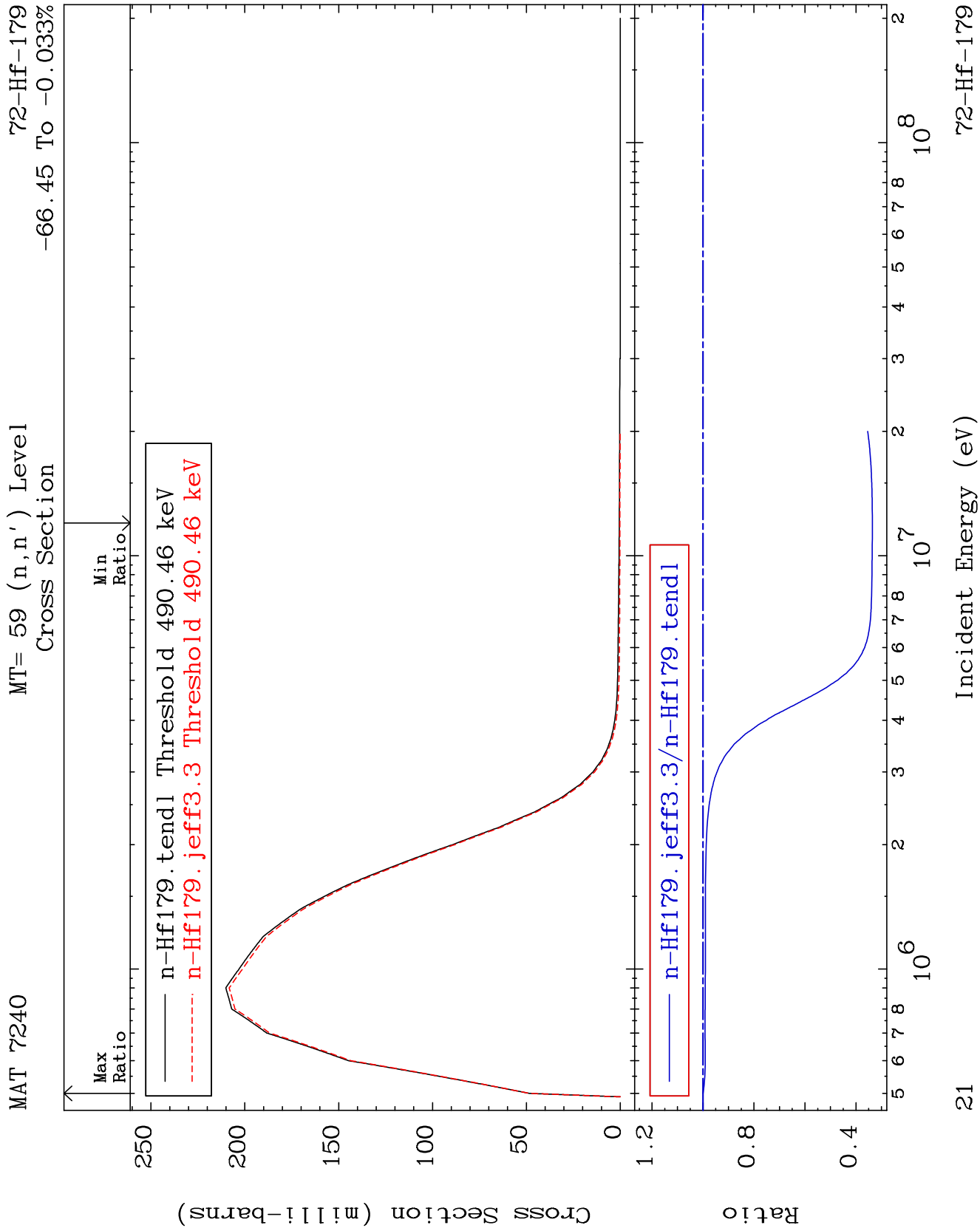
18

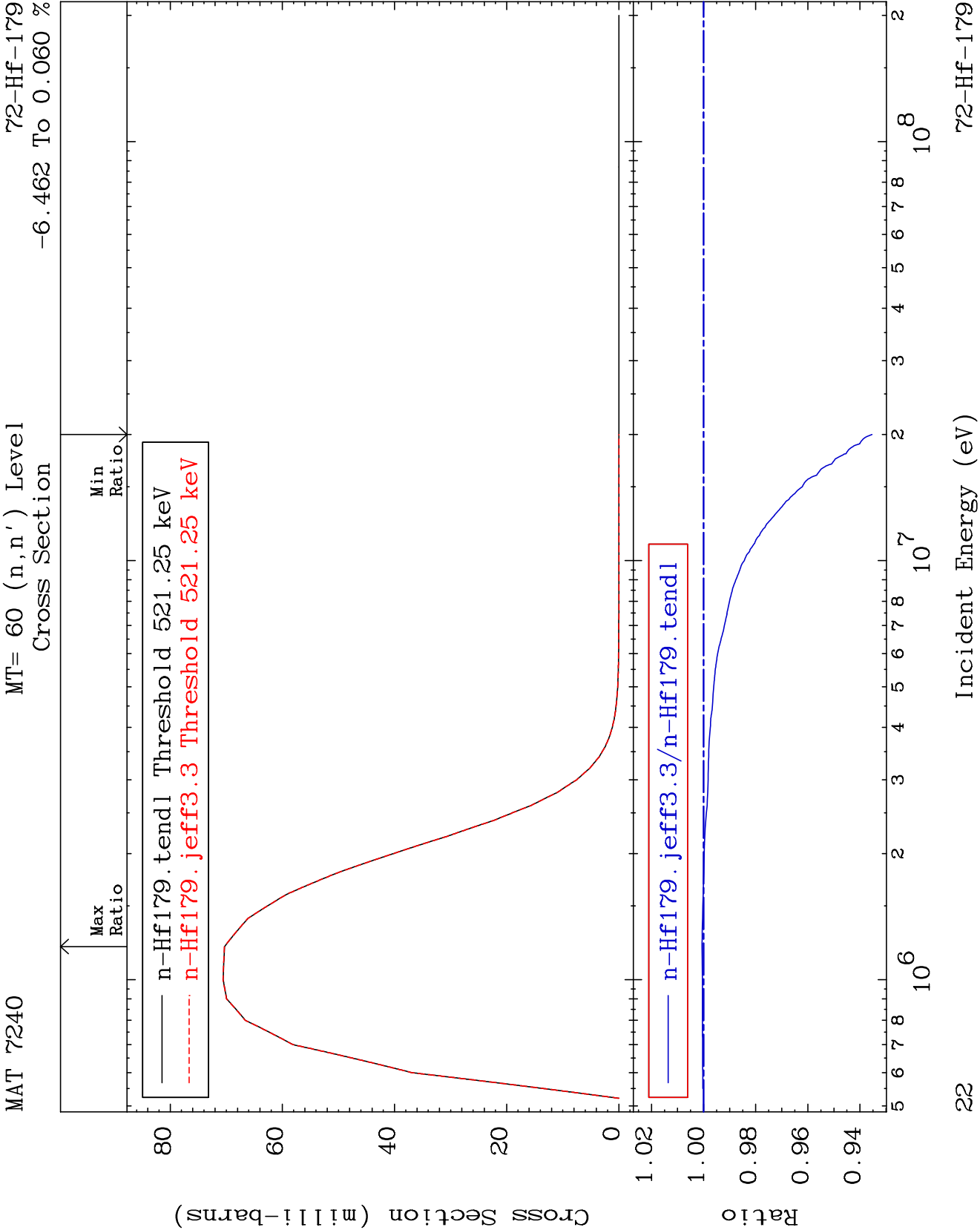
Incident Energy (eV)

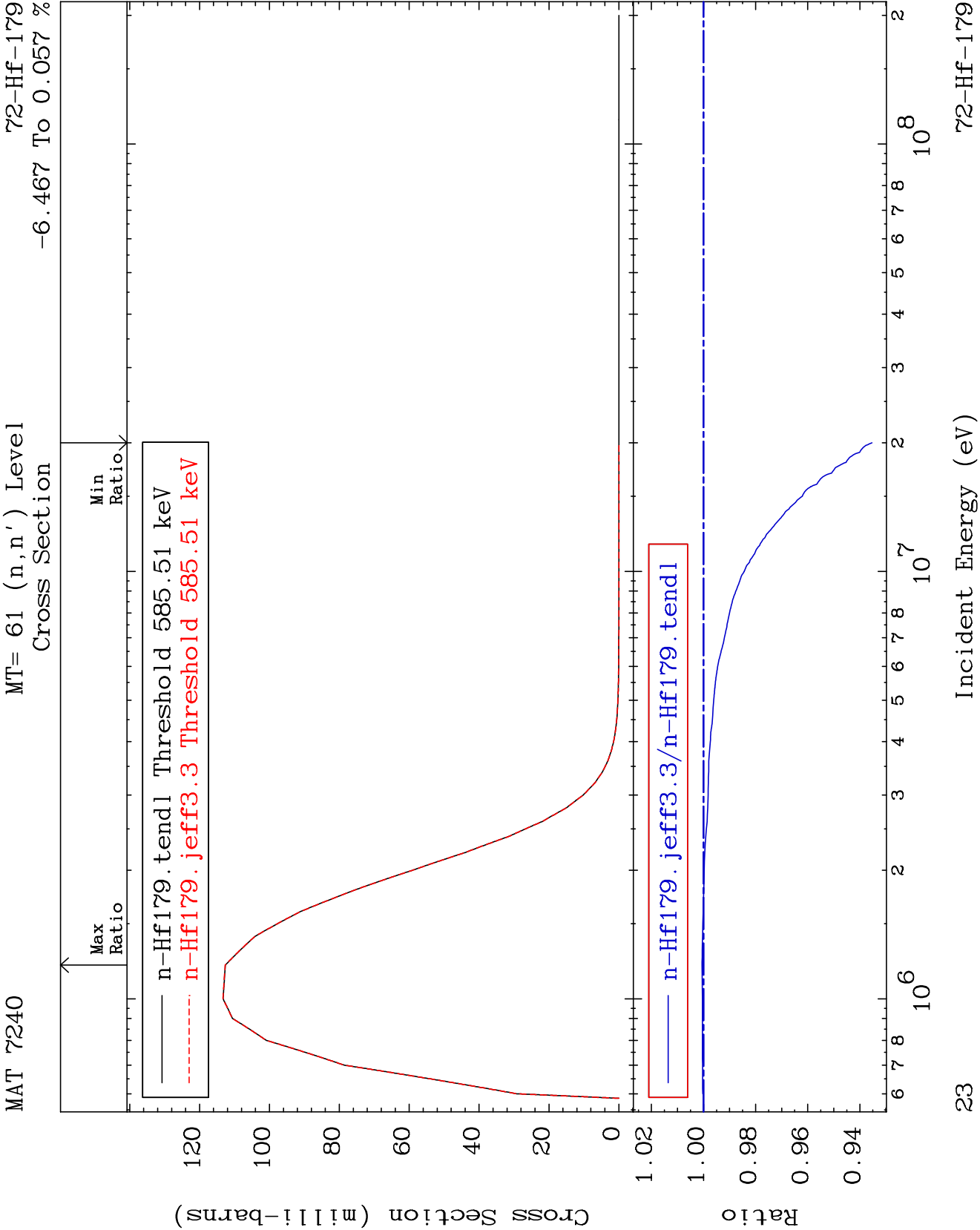
⁷²Hf-¹⁷⁹

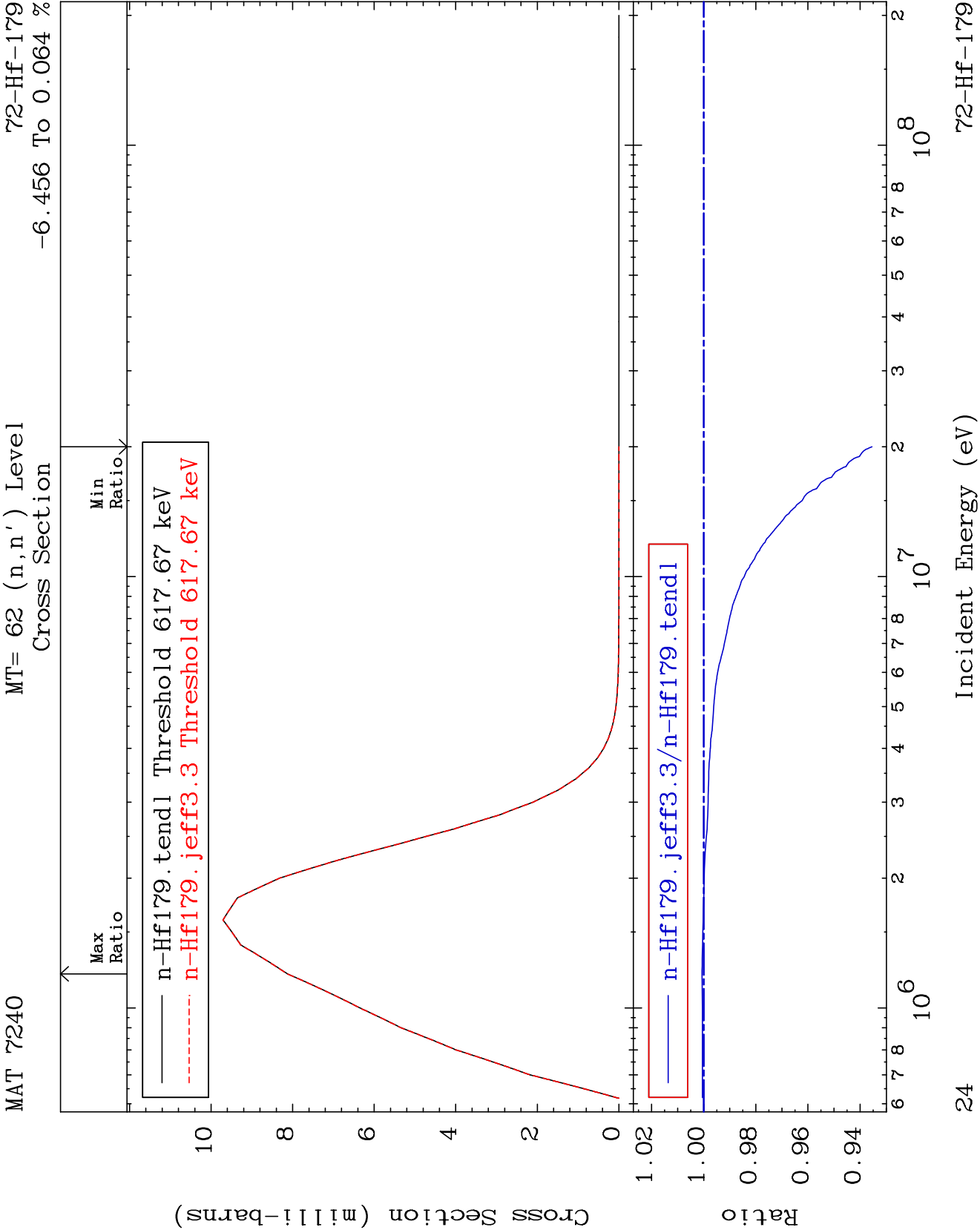


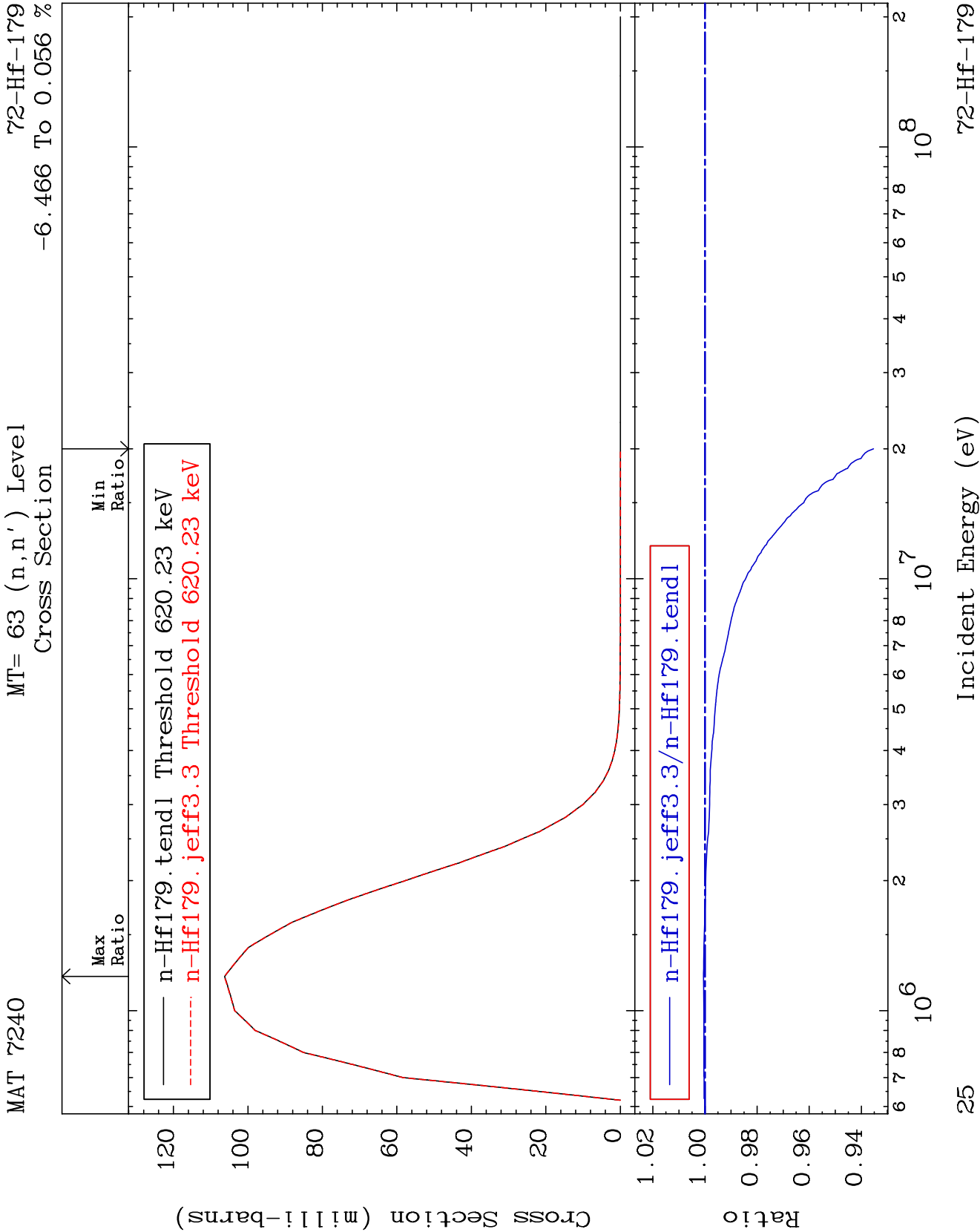


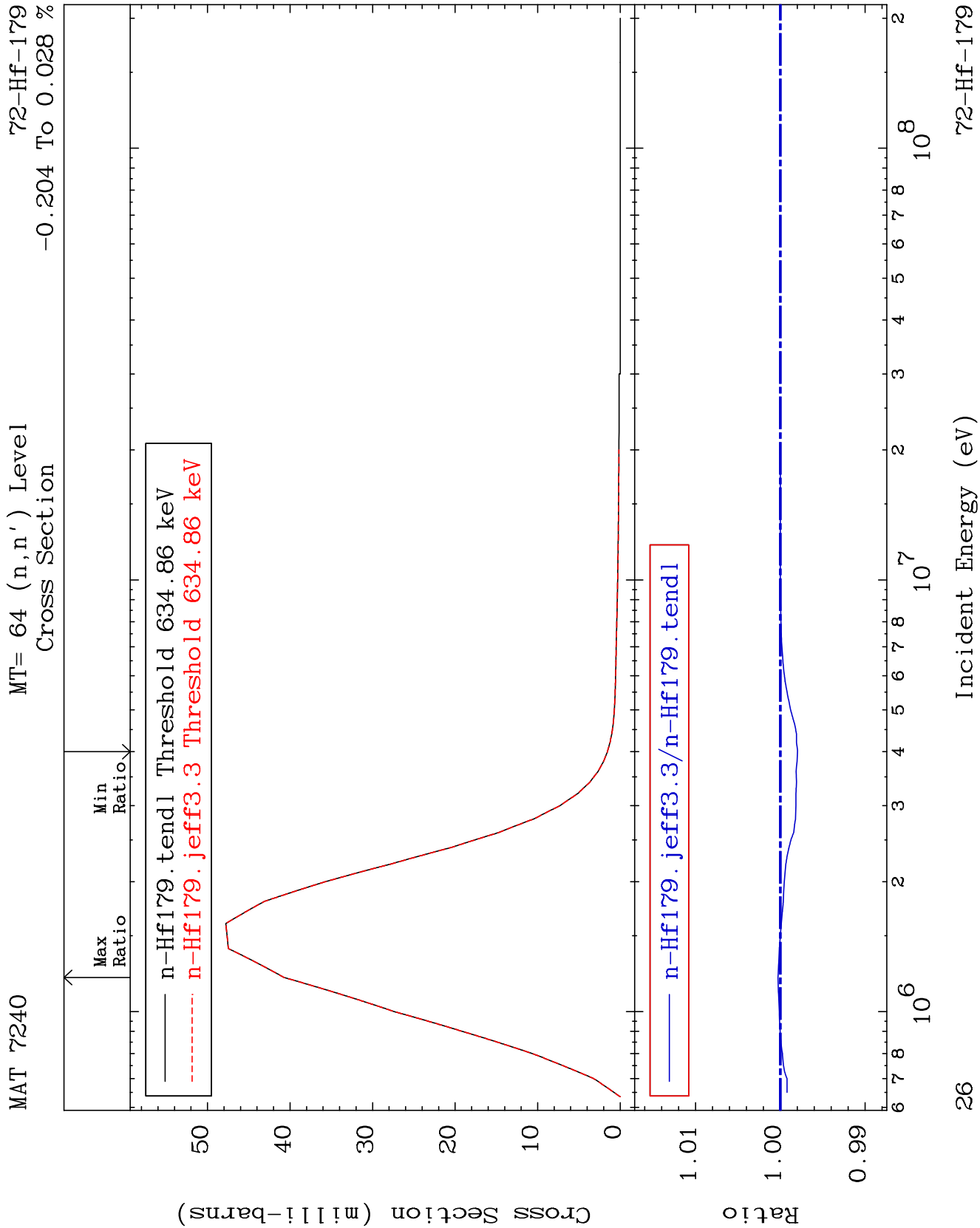


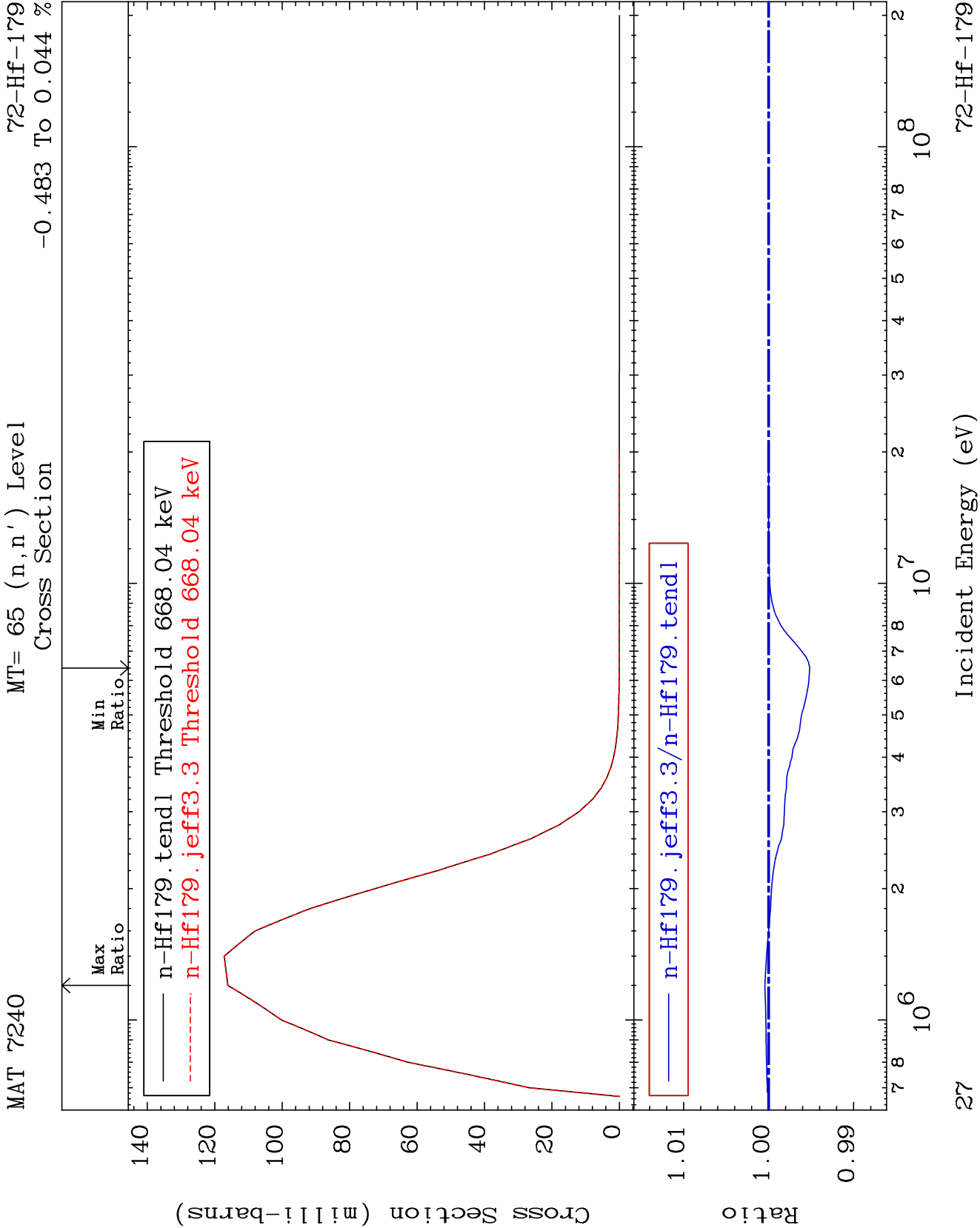


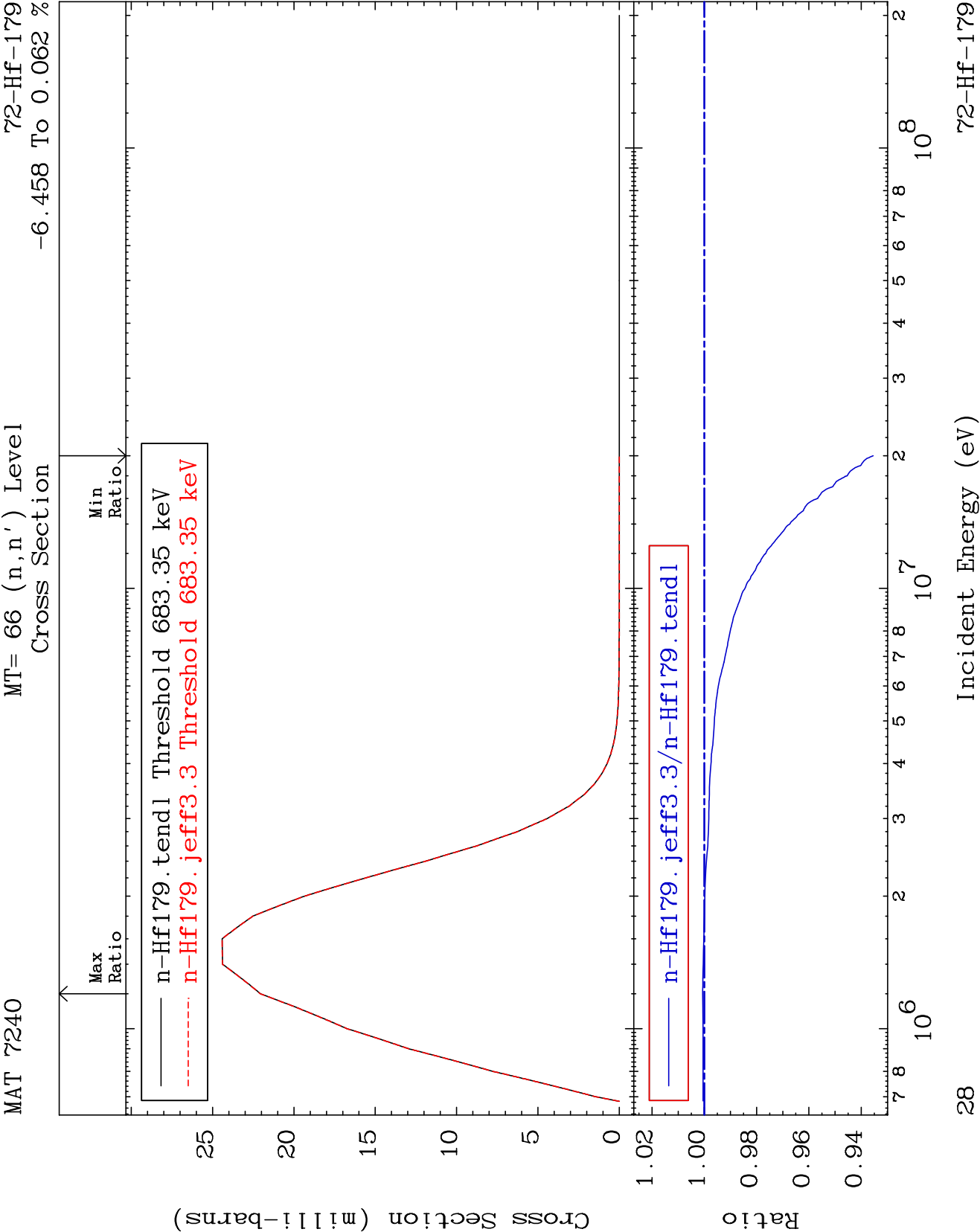


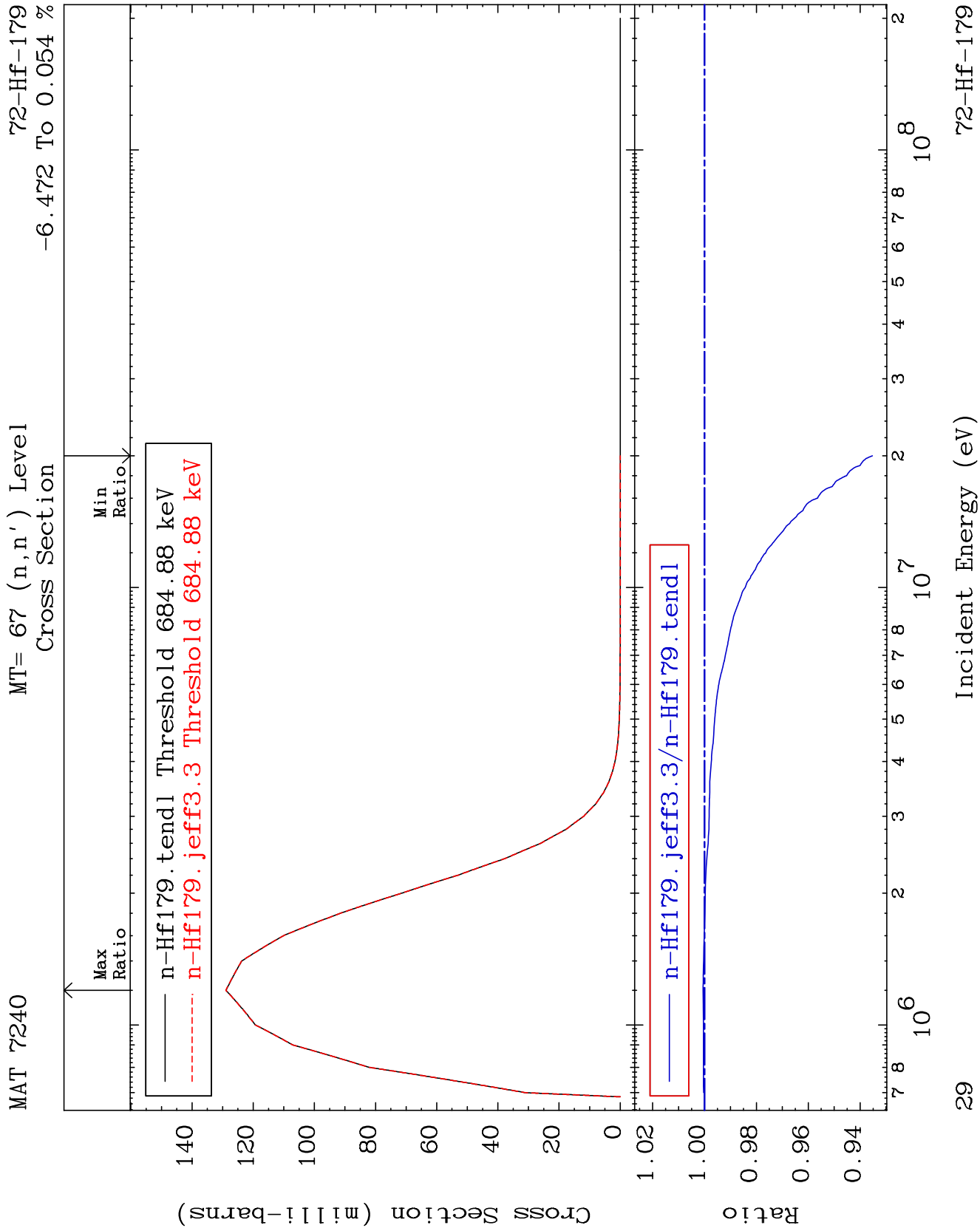


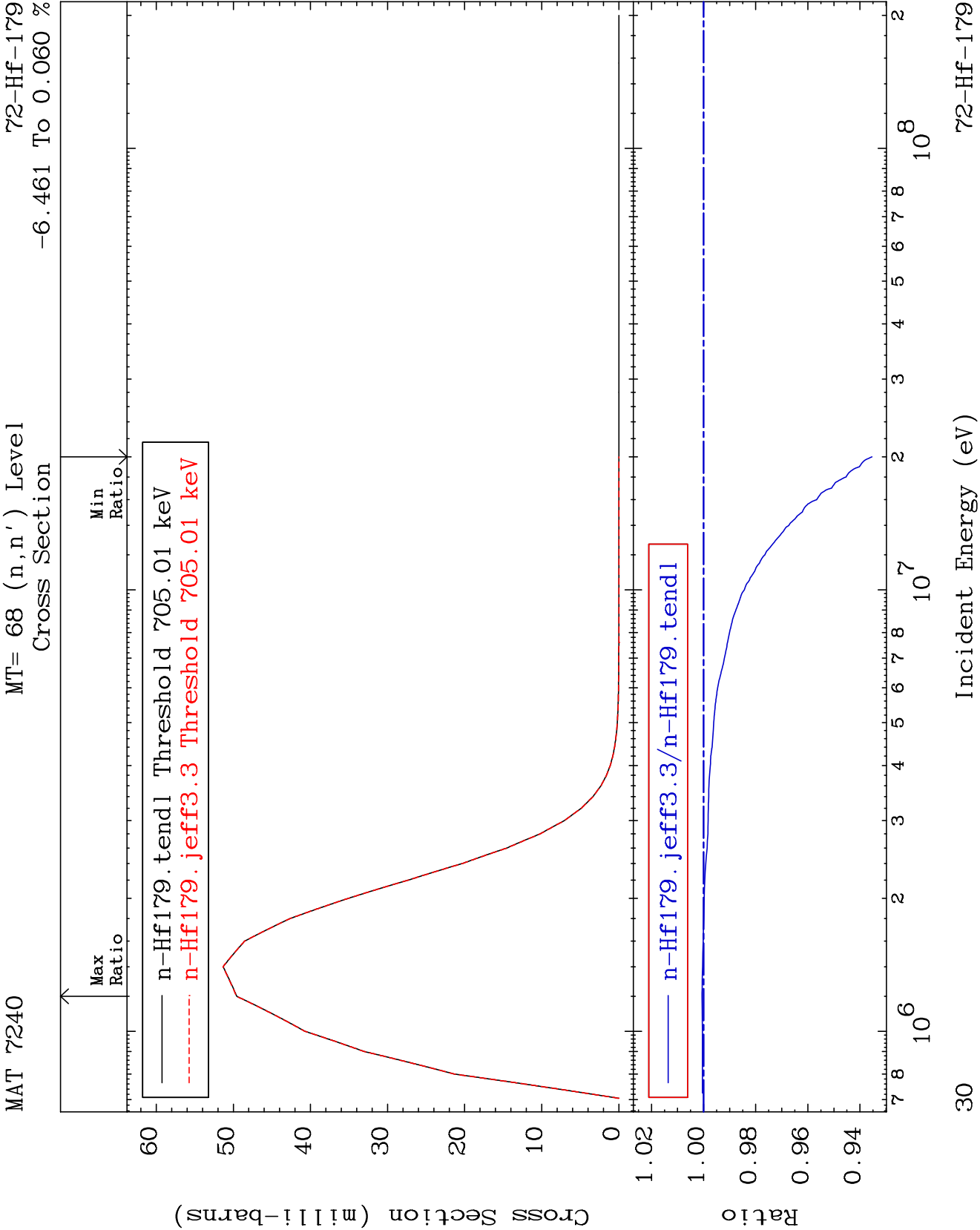


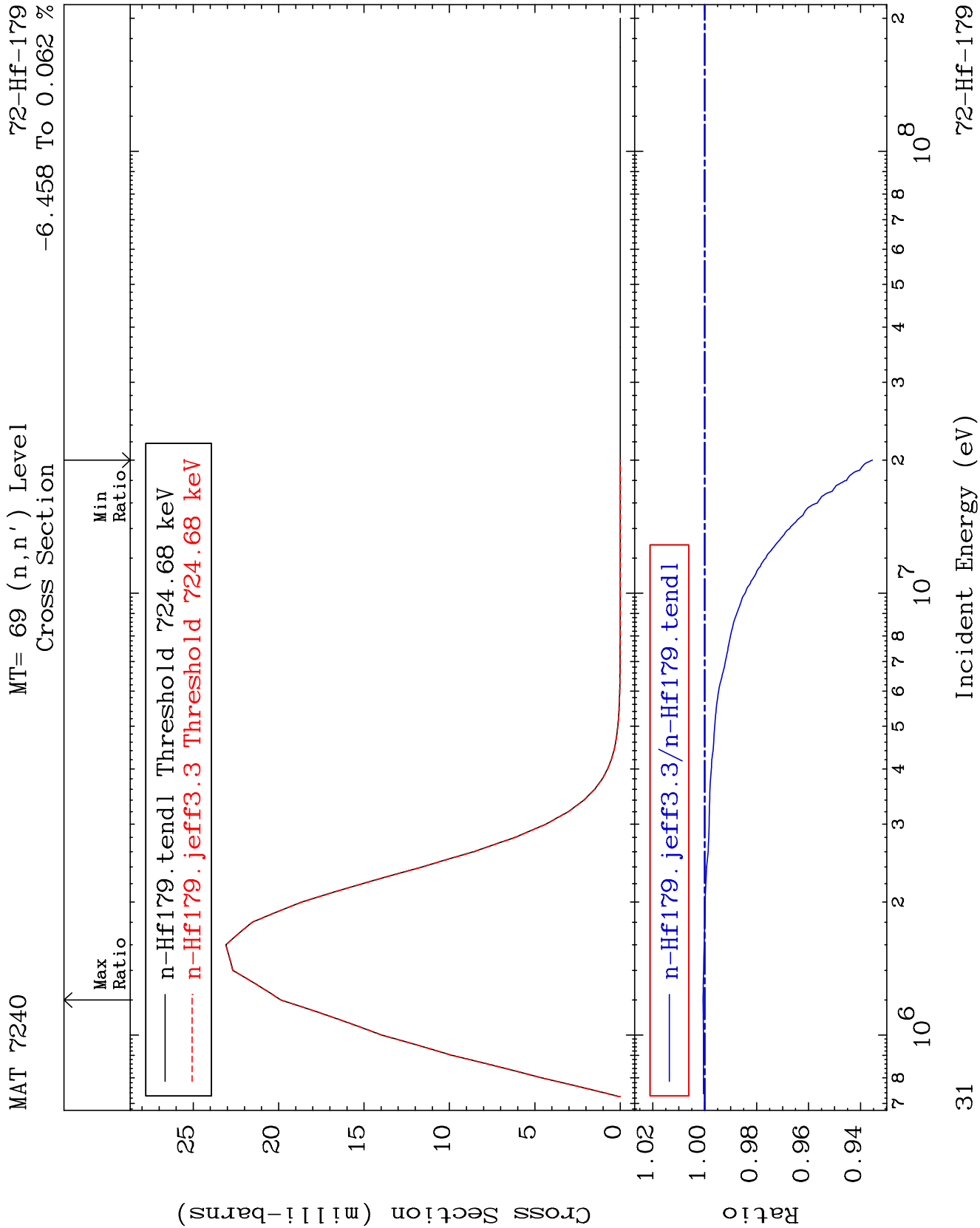


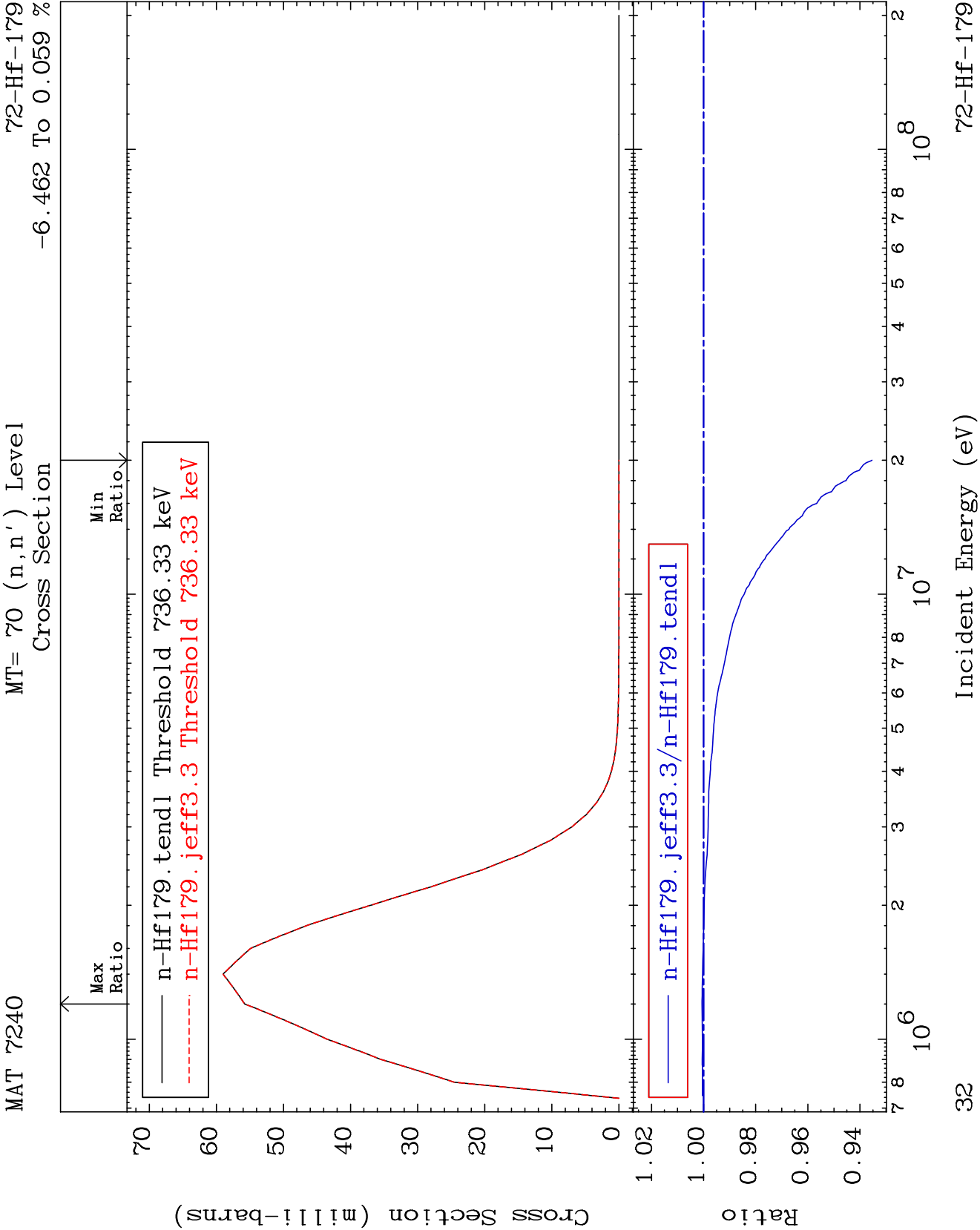


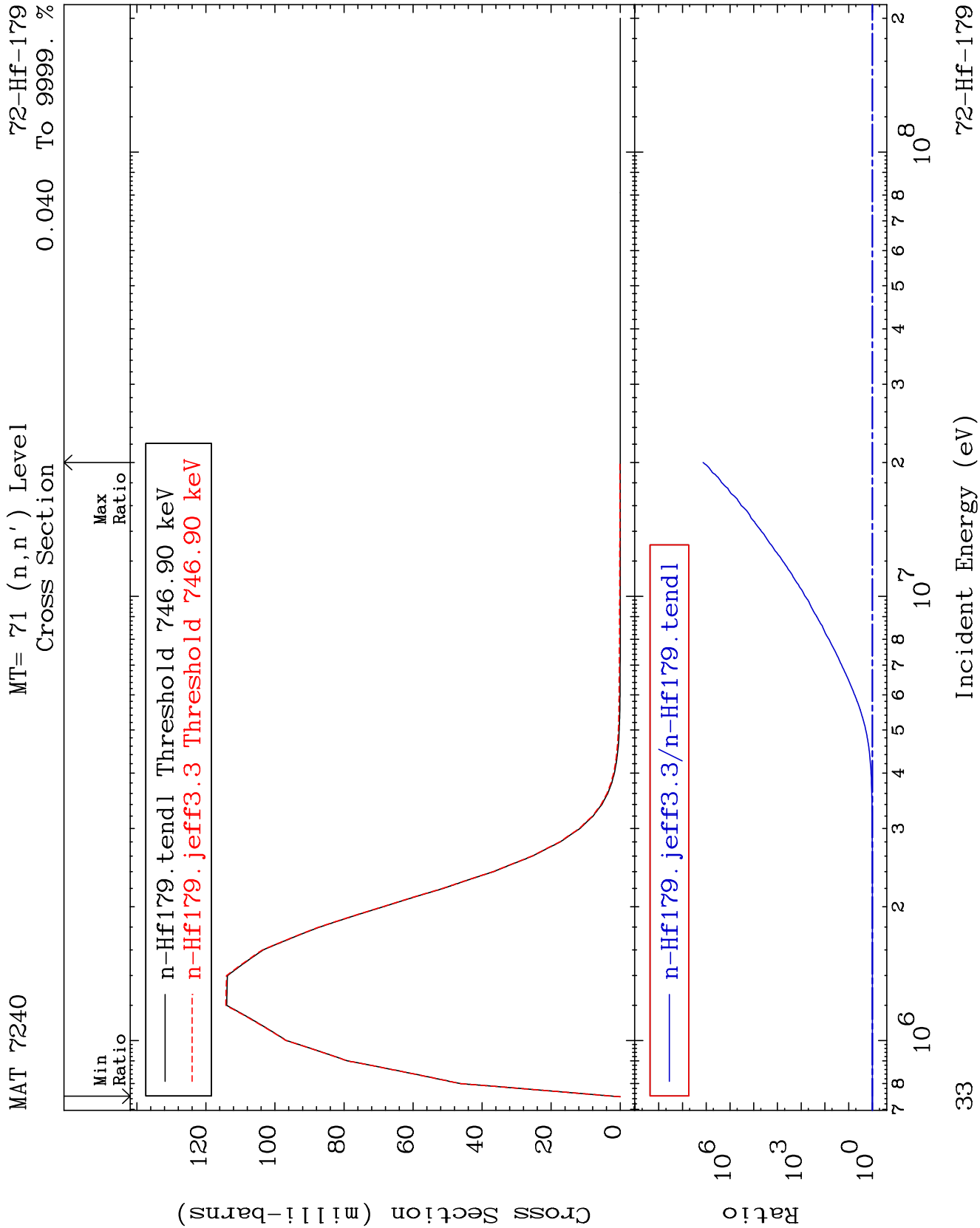


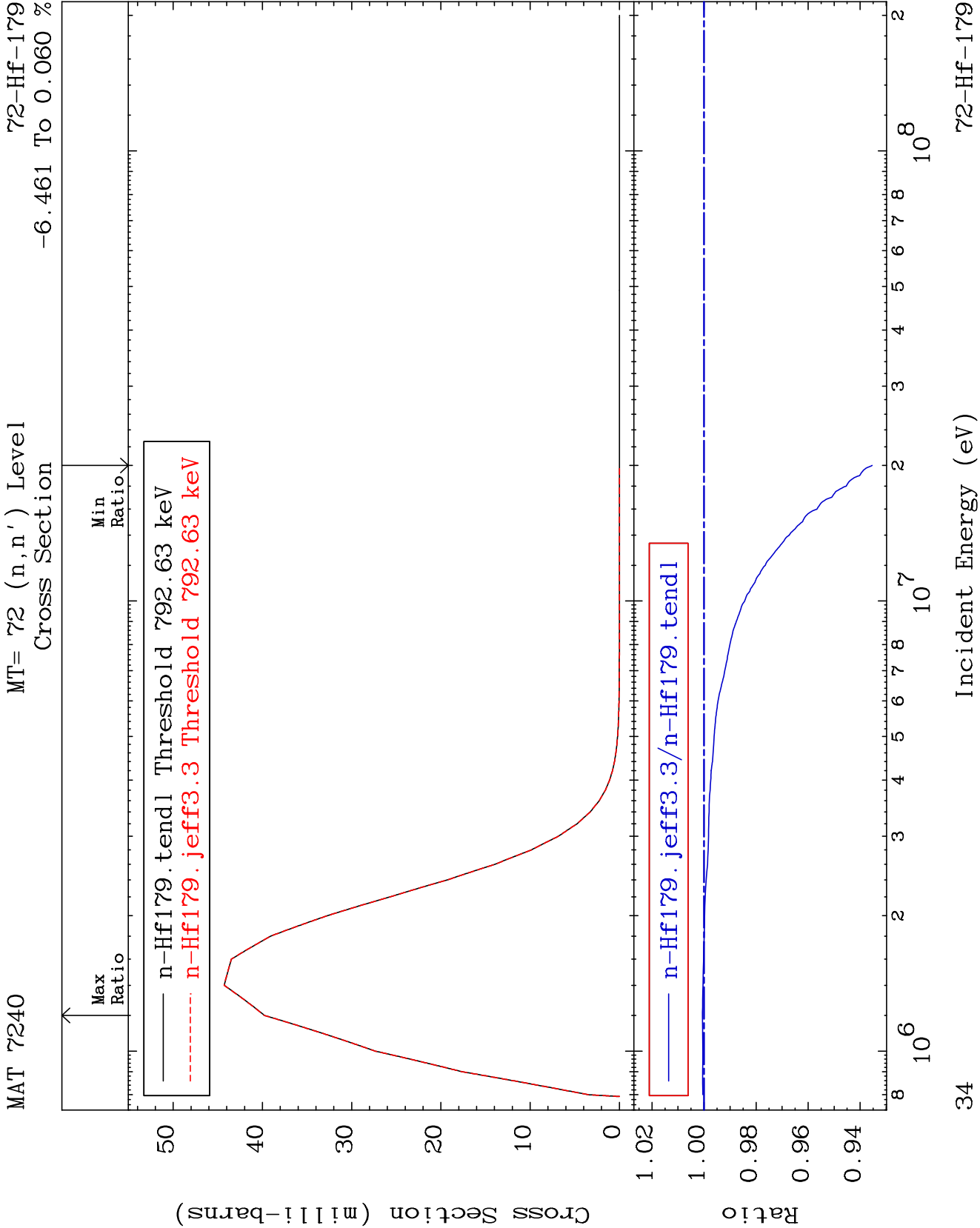








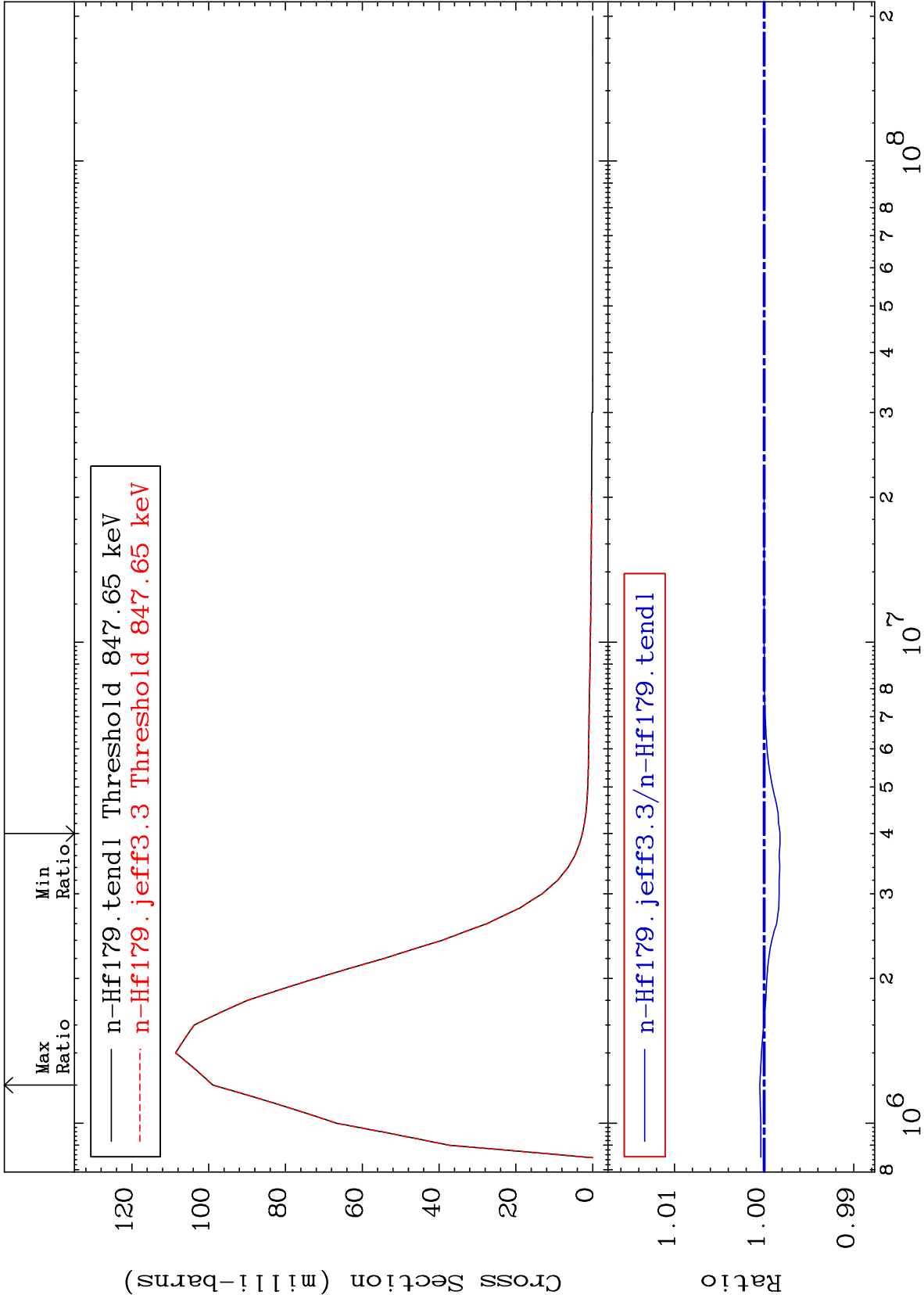




MAT 7240

MT= 73 (n,n') Level
Cross Section

⁷²Hf-¹⁷⁹
-0.177 To 0.048 %



35

Incident Energy (eV)

⁷²Hf-¹⁷⁹

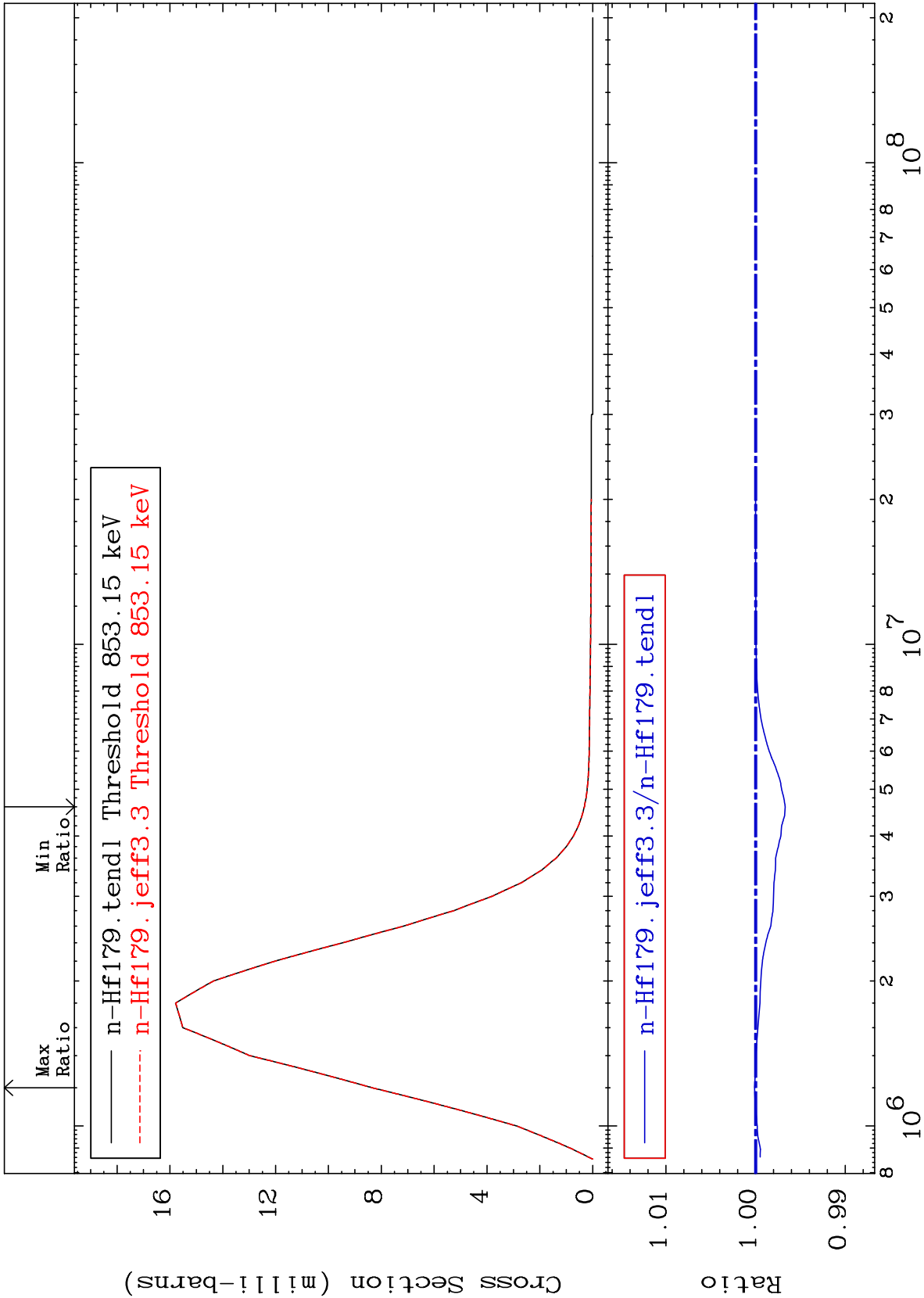
MAT 7240

MT= 74 (n,n') Level

⁷²Hf-¹⁷⁹

Cross Section

-0.330 To 0.012 %



36

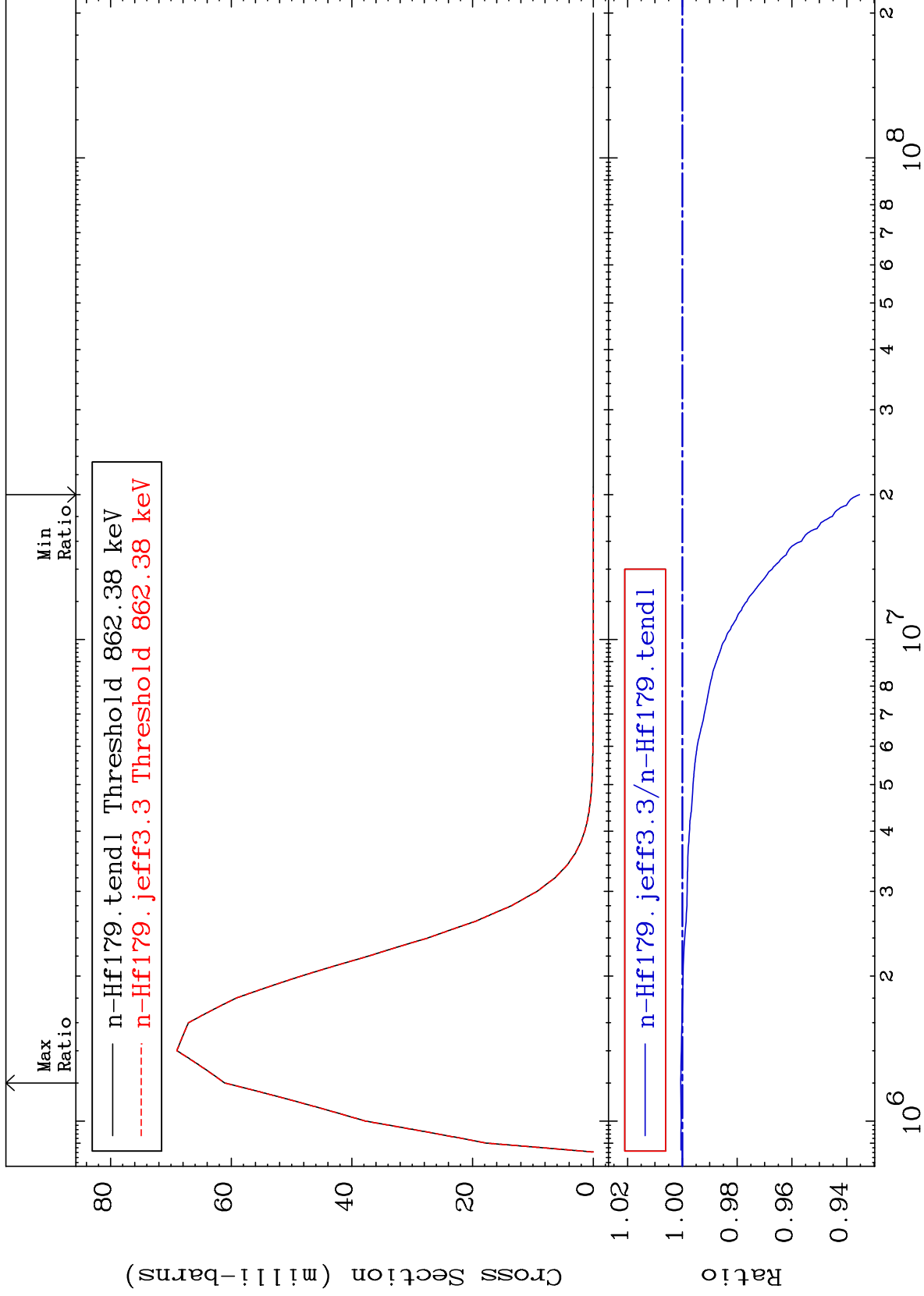
Incident Energy (eV)

⁷²Hf-¹⁷⁹

MAT 7240

MT= 75 (n,n') Level
Cross Section

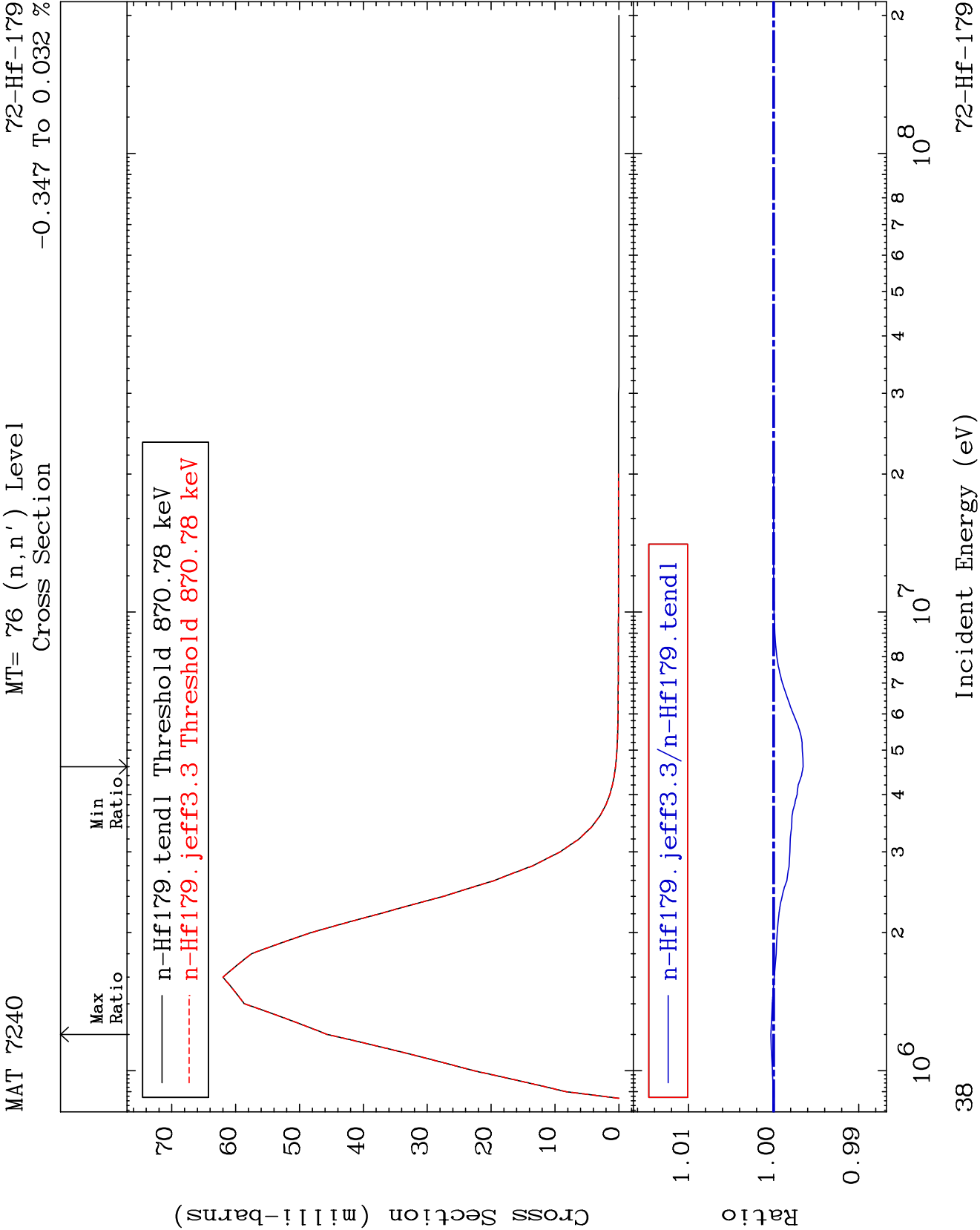
⁷²Hf-¹⁷⁹
-6.466 To 0.058 %

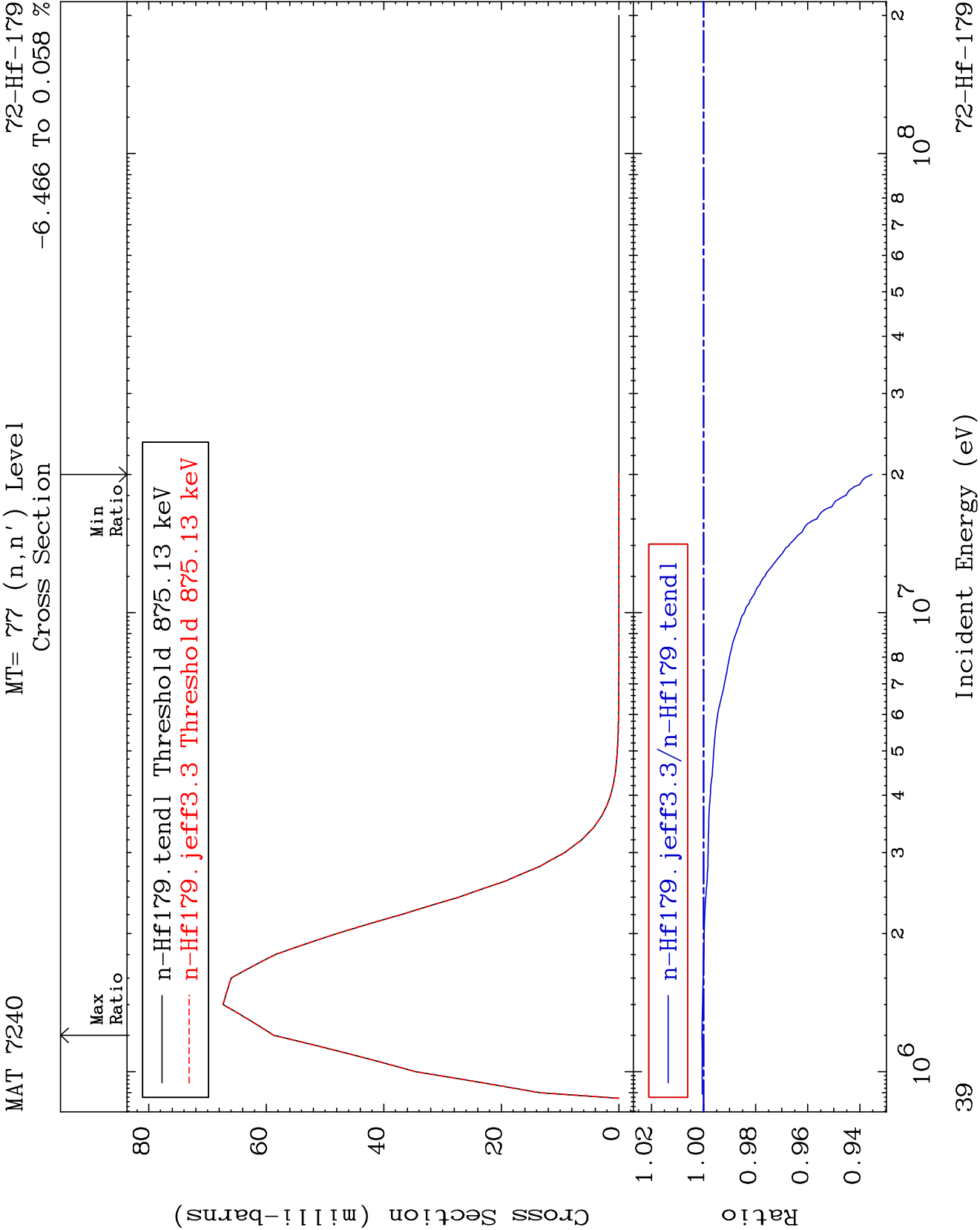


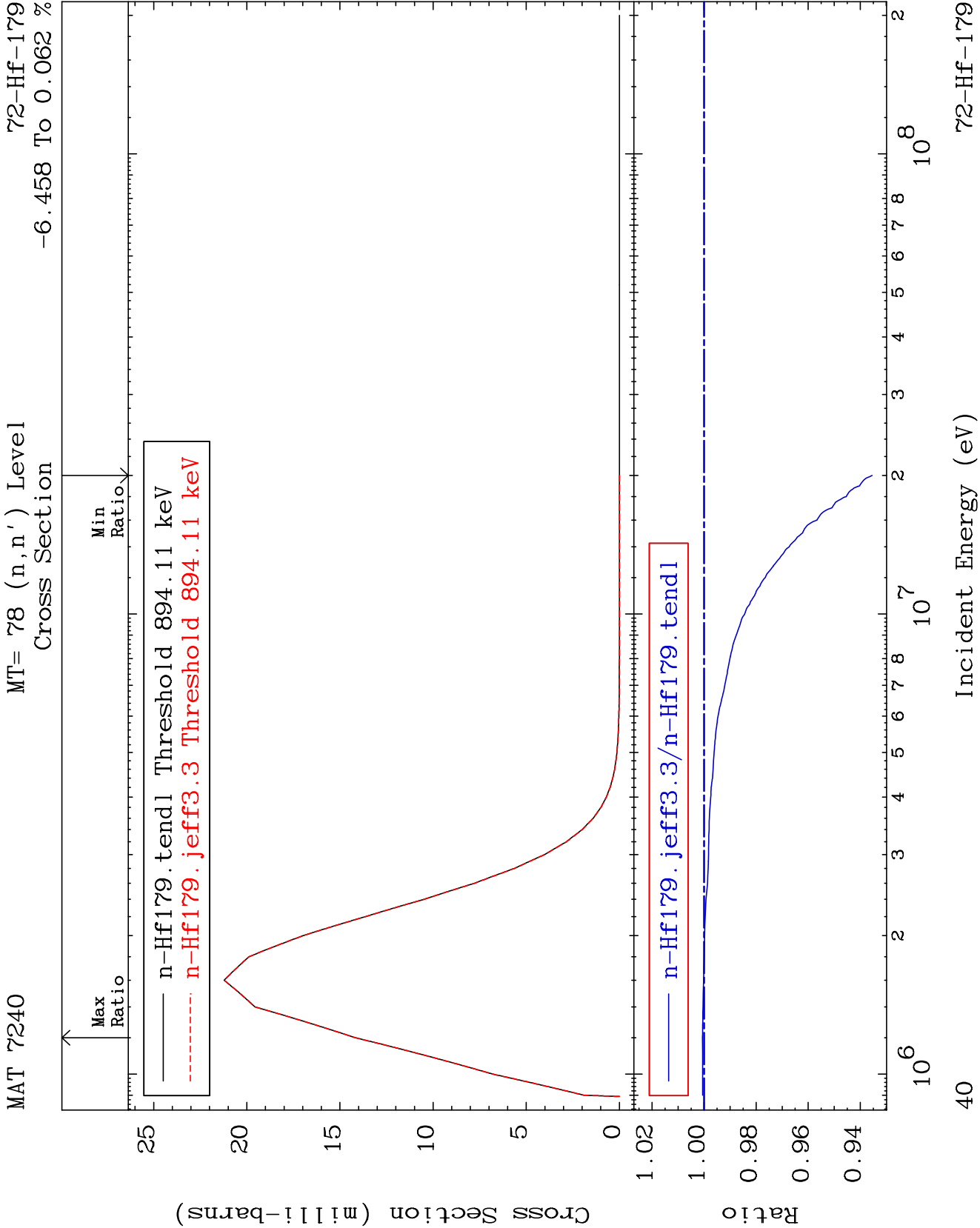
37

Incident Energy (eV)

⁷²Hf-¹⁷⁹



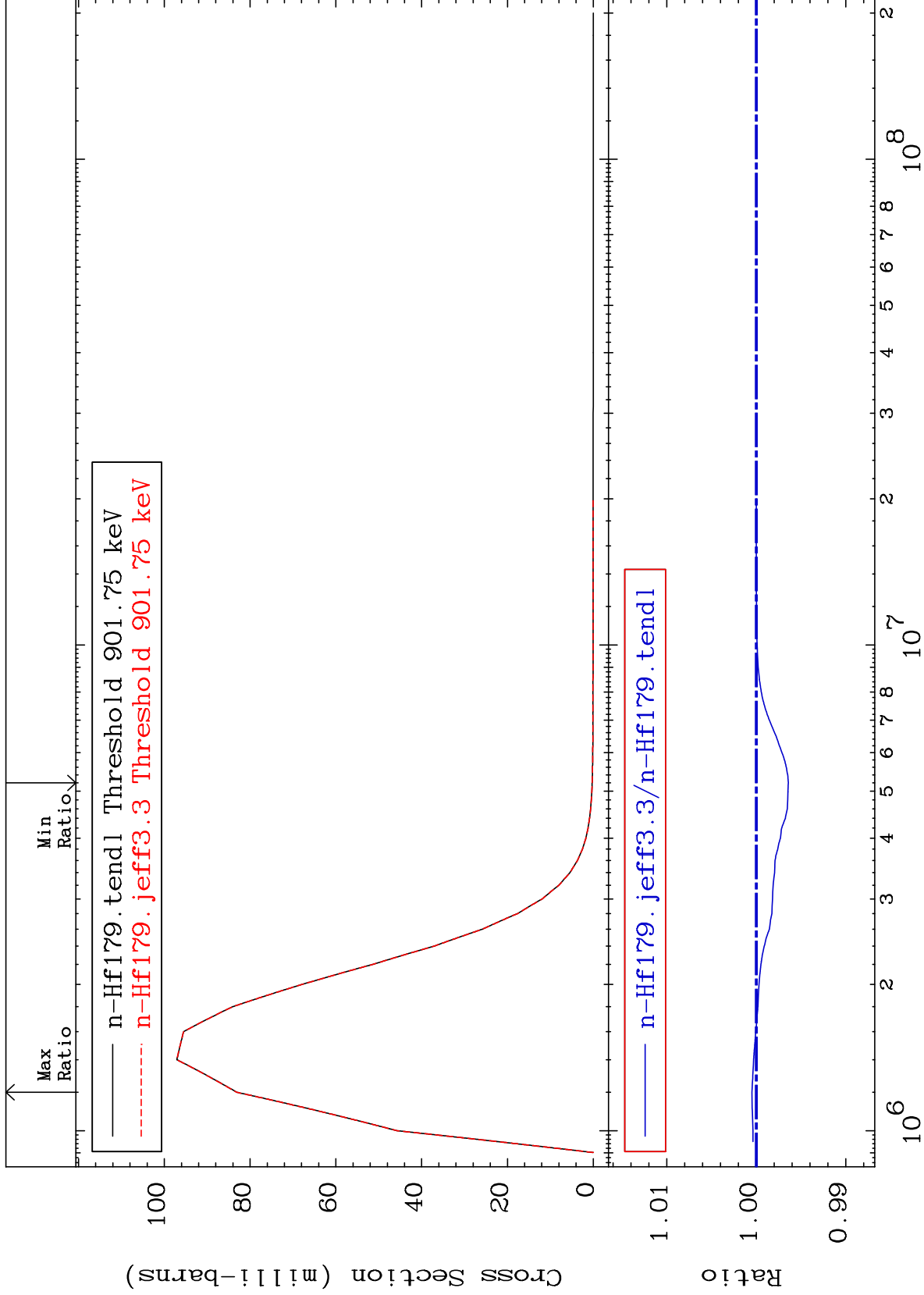




MAT 7240

MT= 79 (n,n') Level
Cross Section

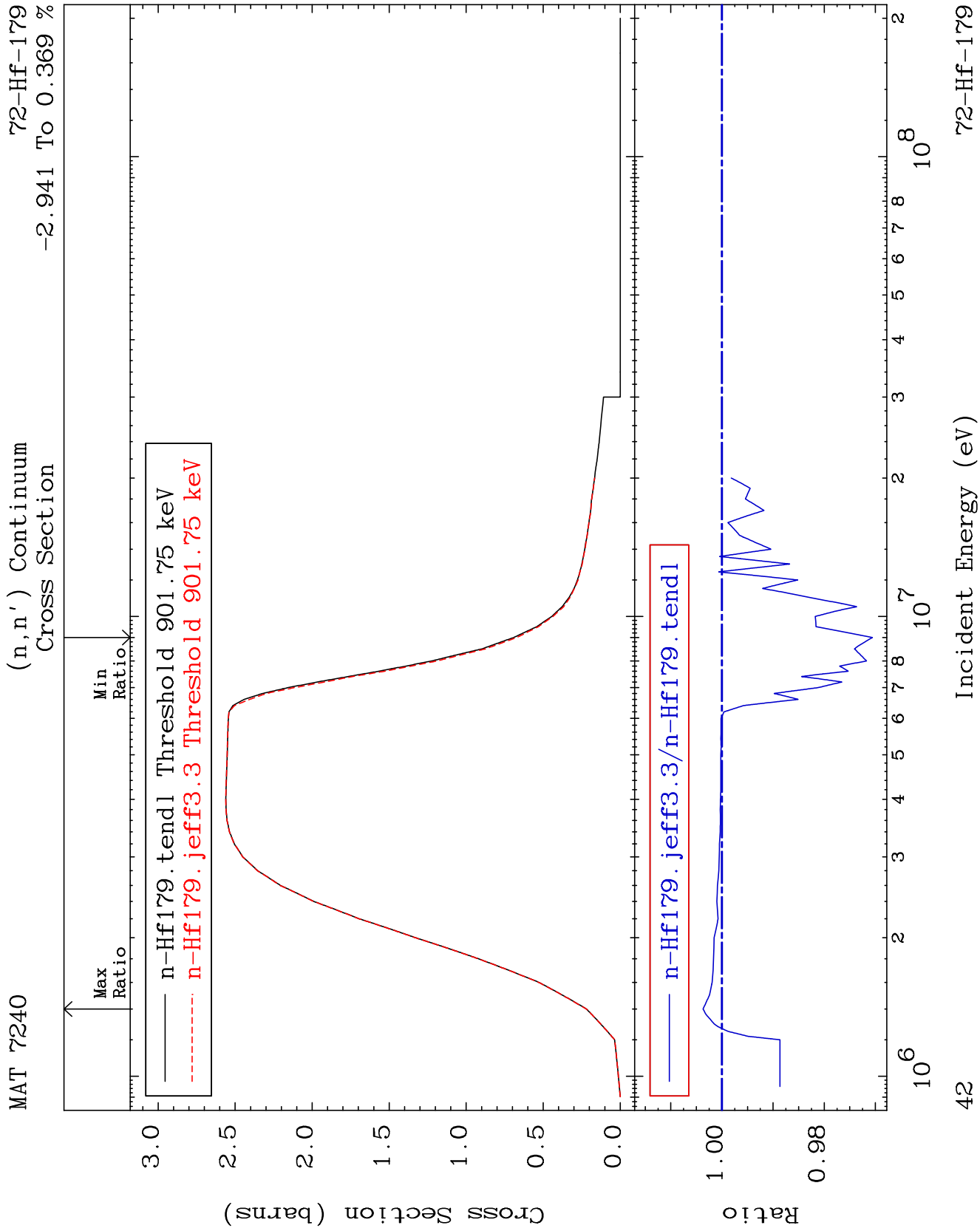
⁷²Hf-¹⁷⁹
-0.358 To 0.049 %

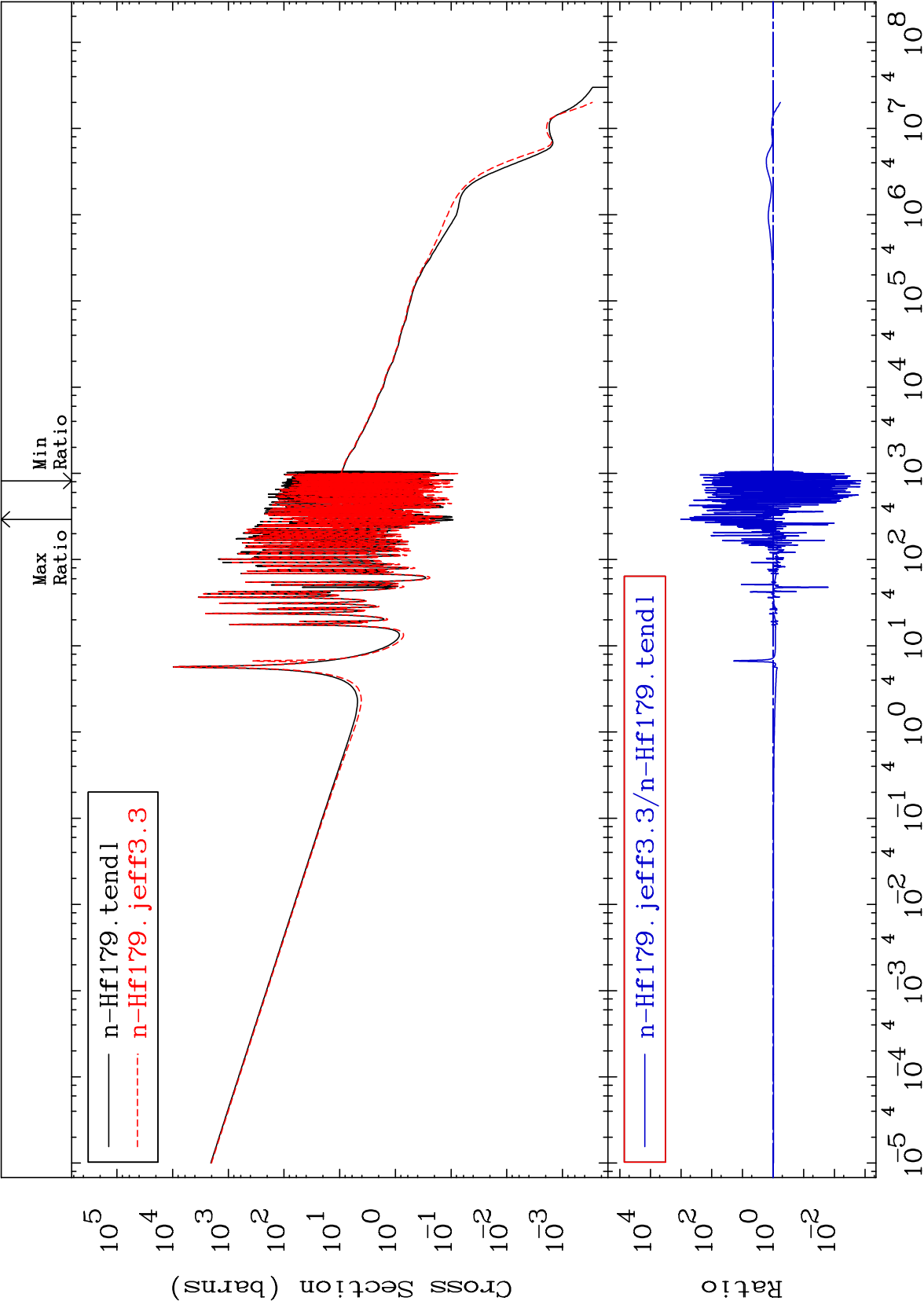


41

Incident Energy (eV)

⁷²Hf-¹⁷⁹





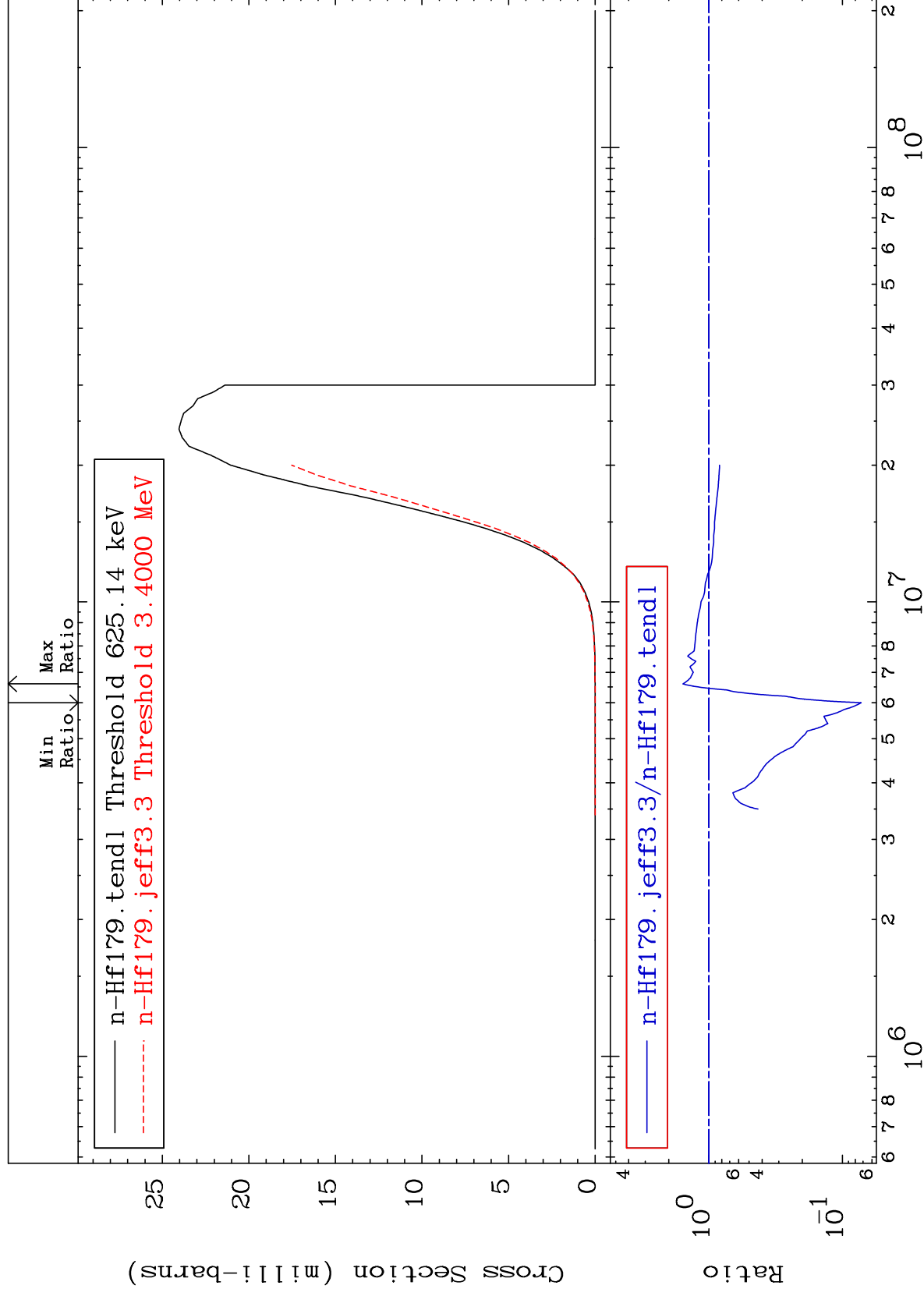
MAT 7240

$$(n, p)$$

72-Hf-179

Cross Section

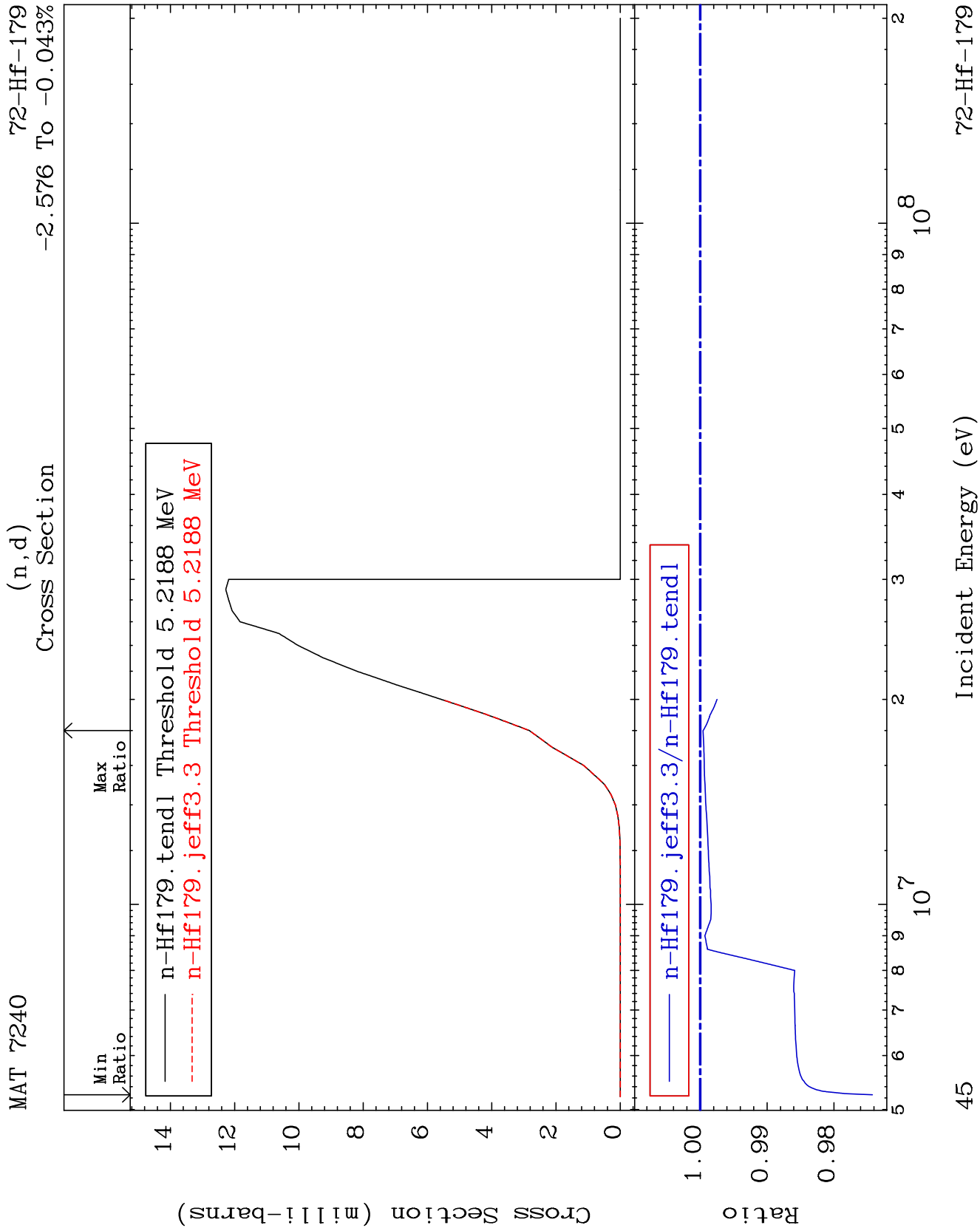
-92.76 To 57.72 %

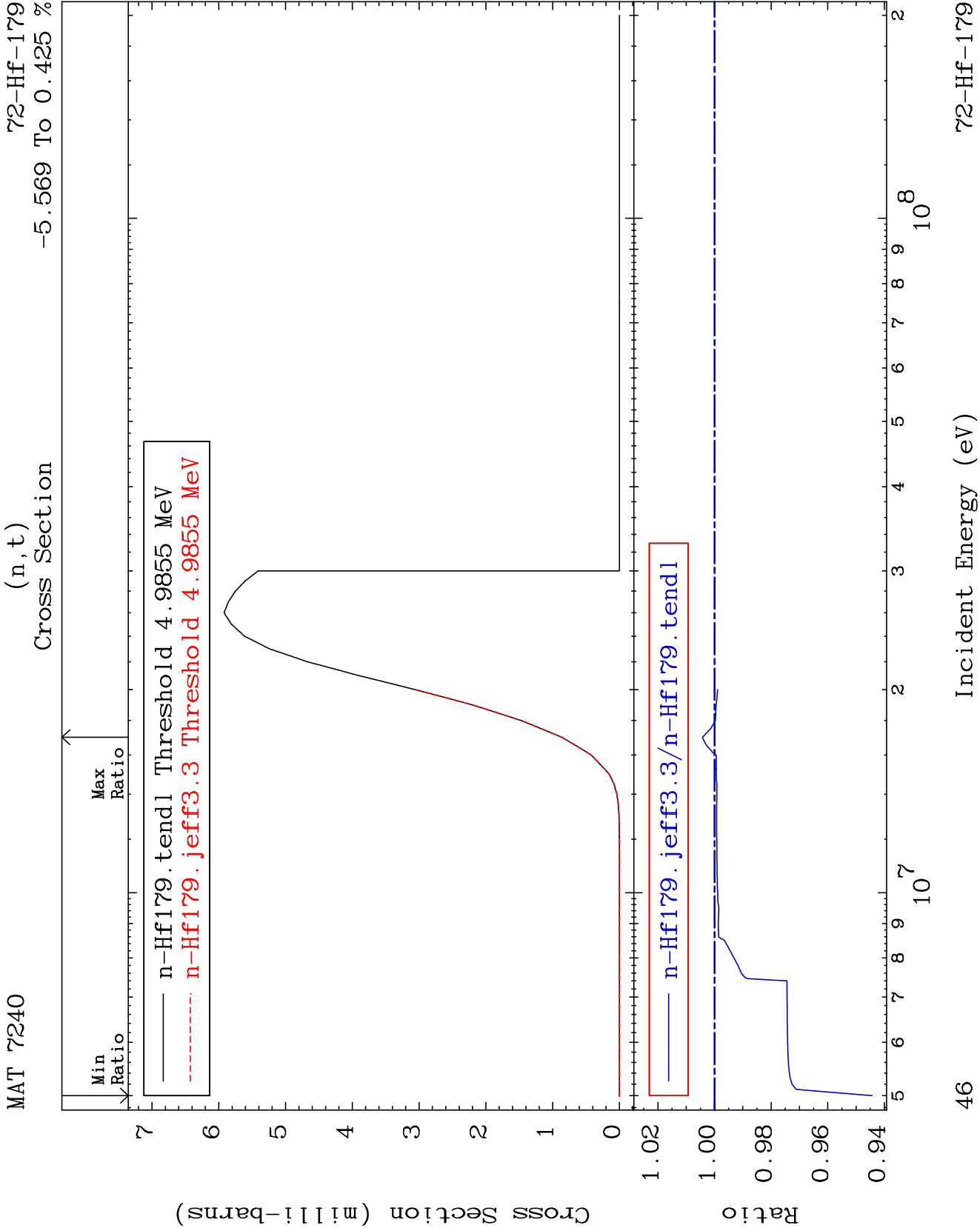


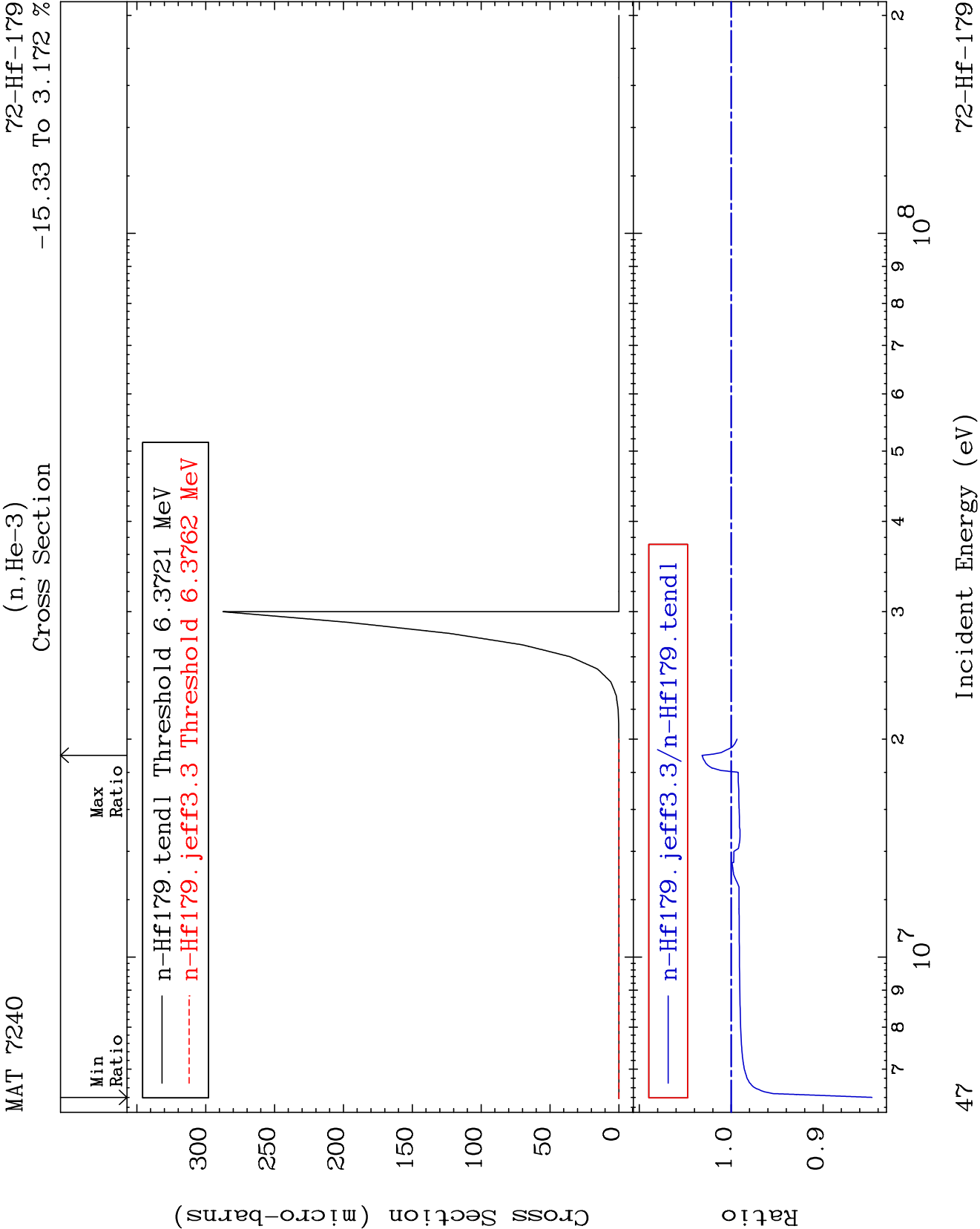
44

Incident Energy (eV)

72-Hf-179



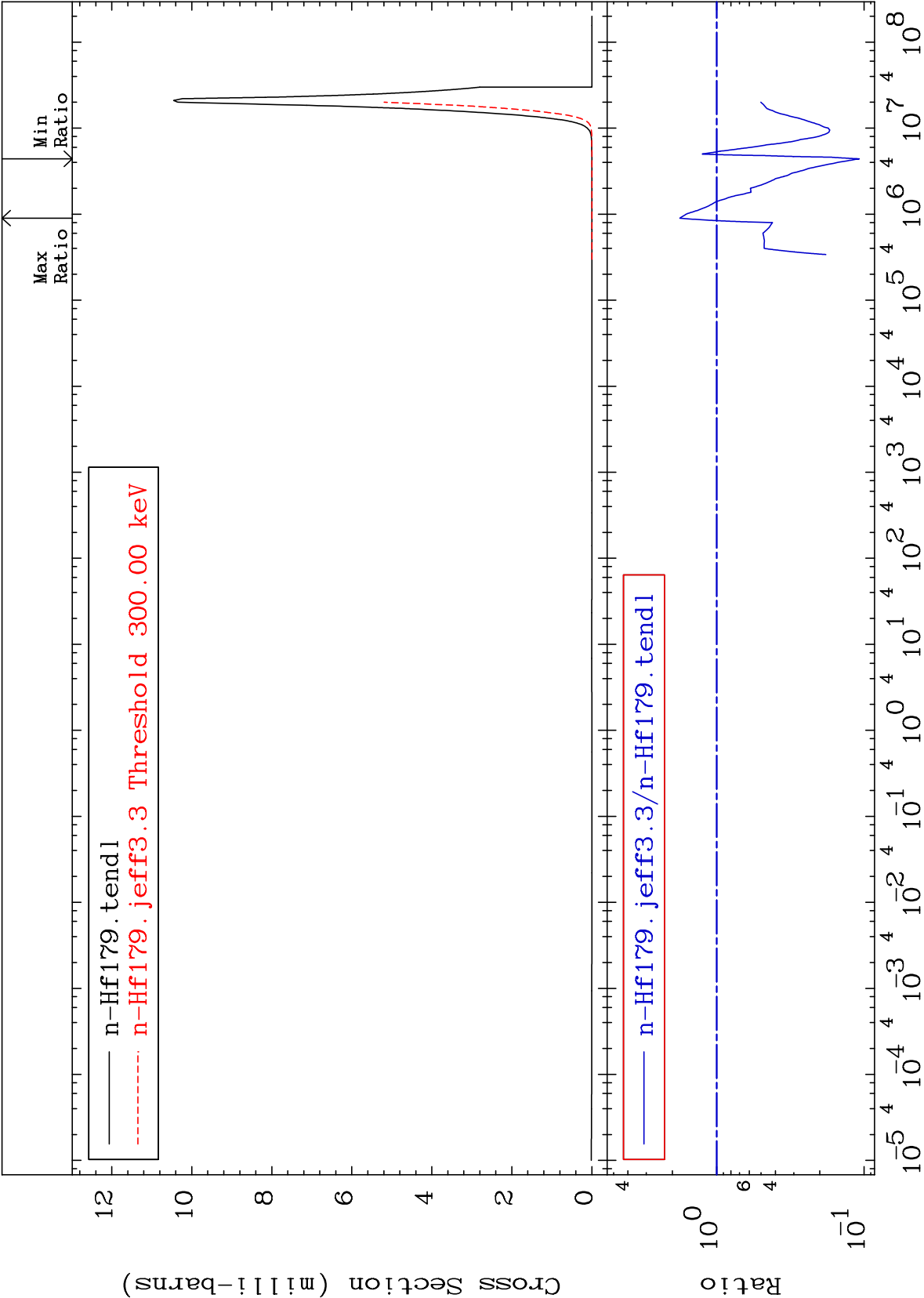




MAT 7240

(n, α)
Cross Section

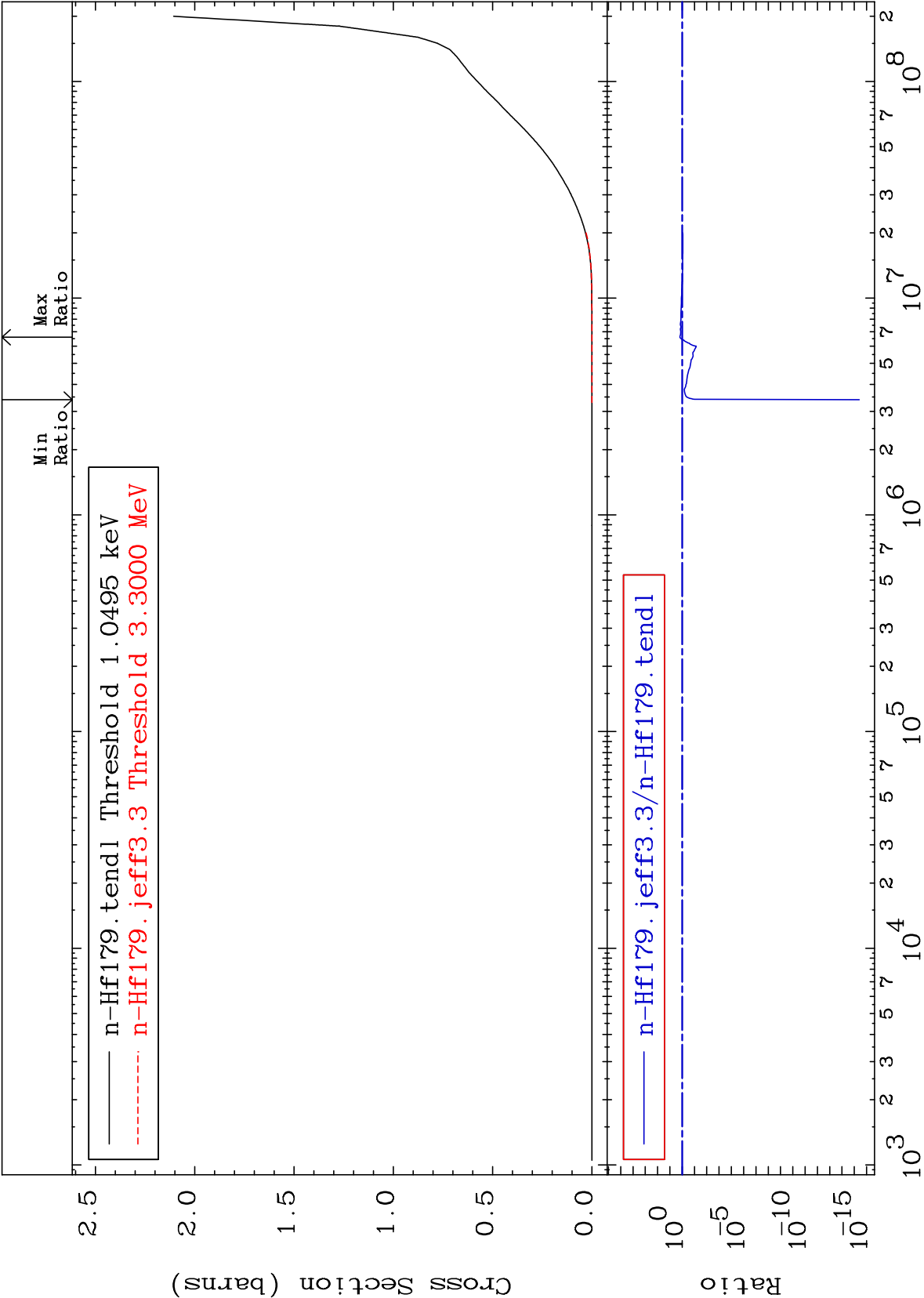
$^{72}\text{Hf-179}$
-89.22 To 78.08 %

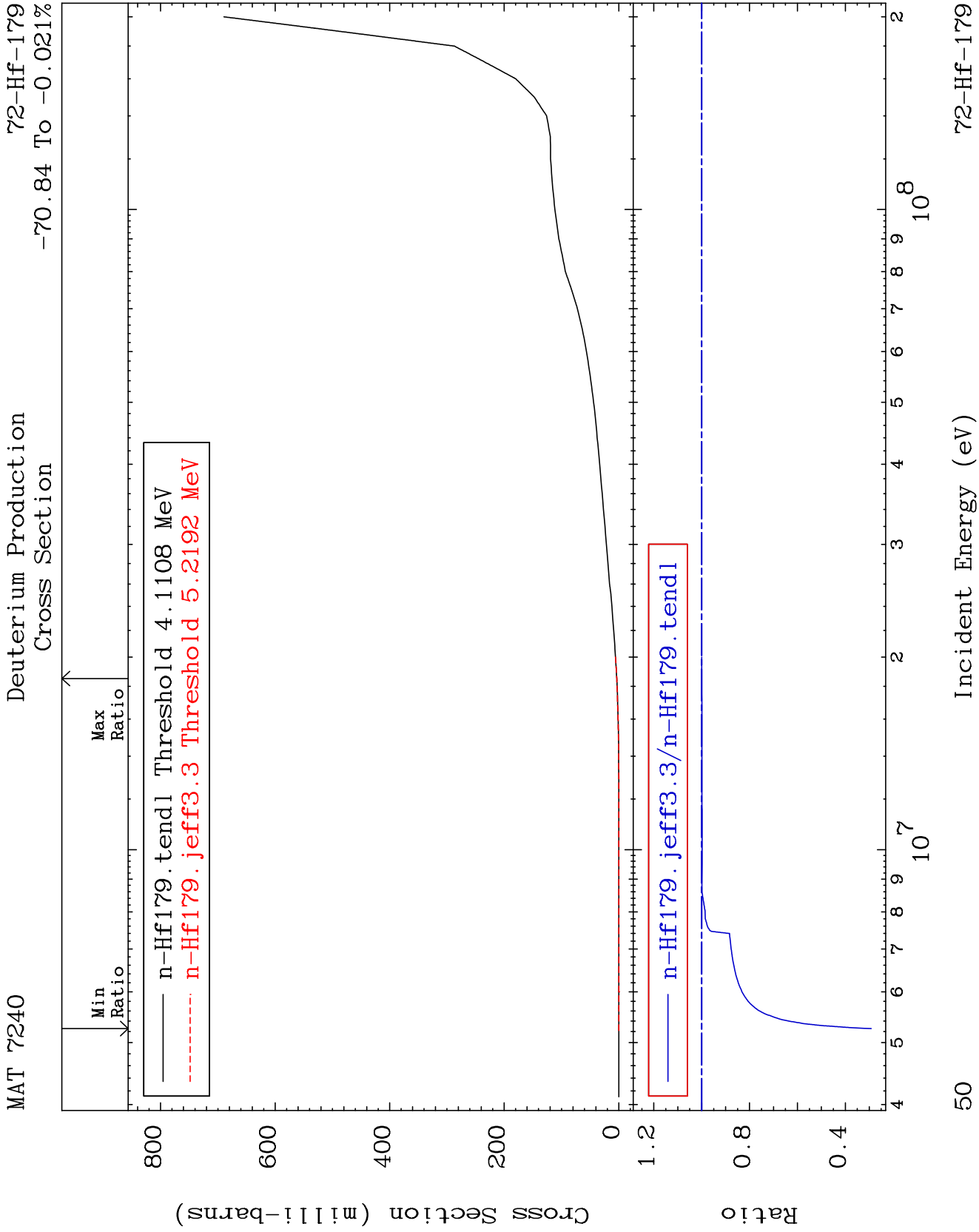


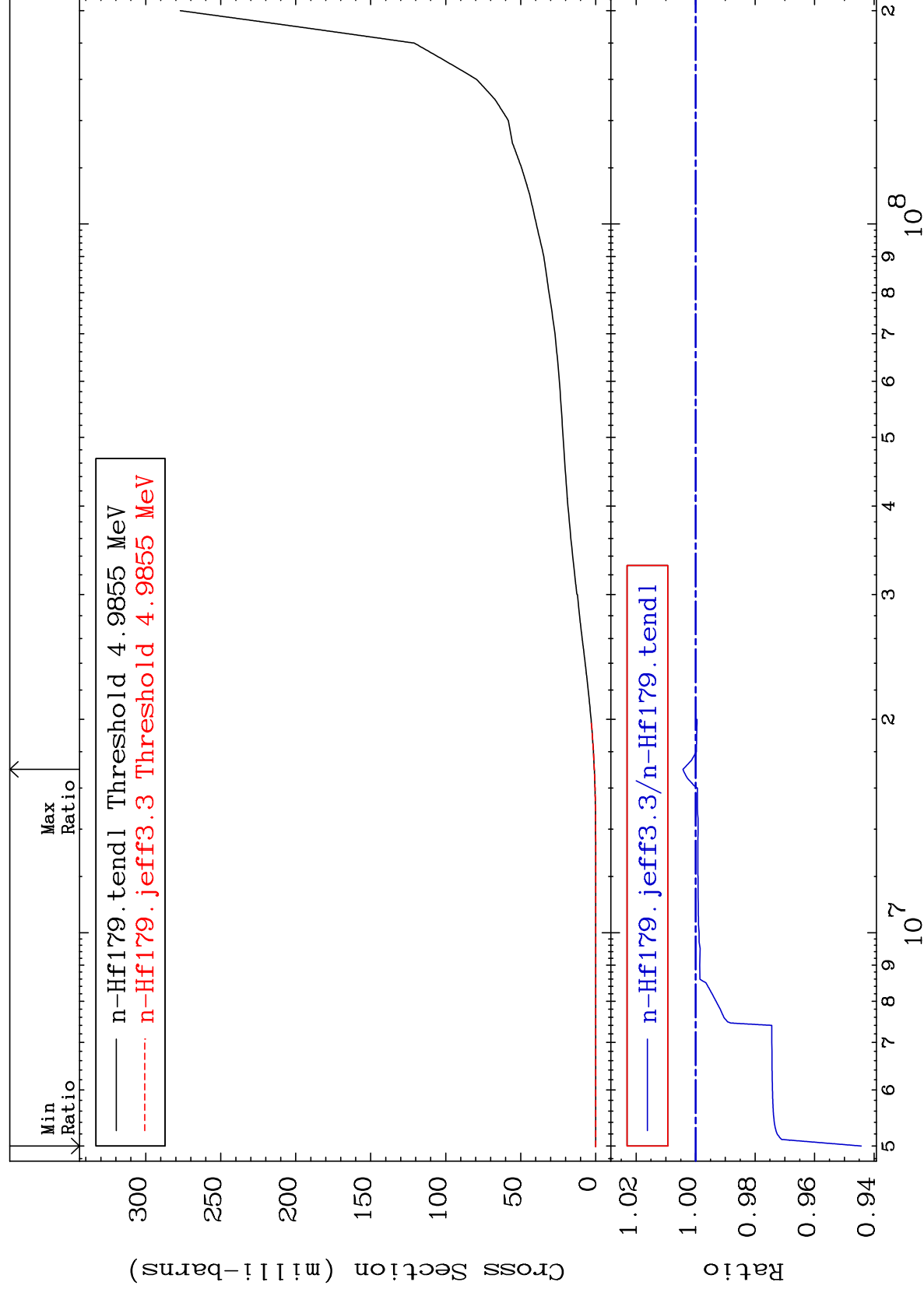
48

Incident Energy (eV)

$^{72}\text{Hf-179}$



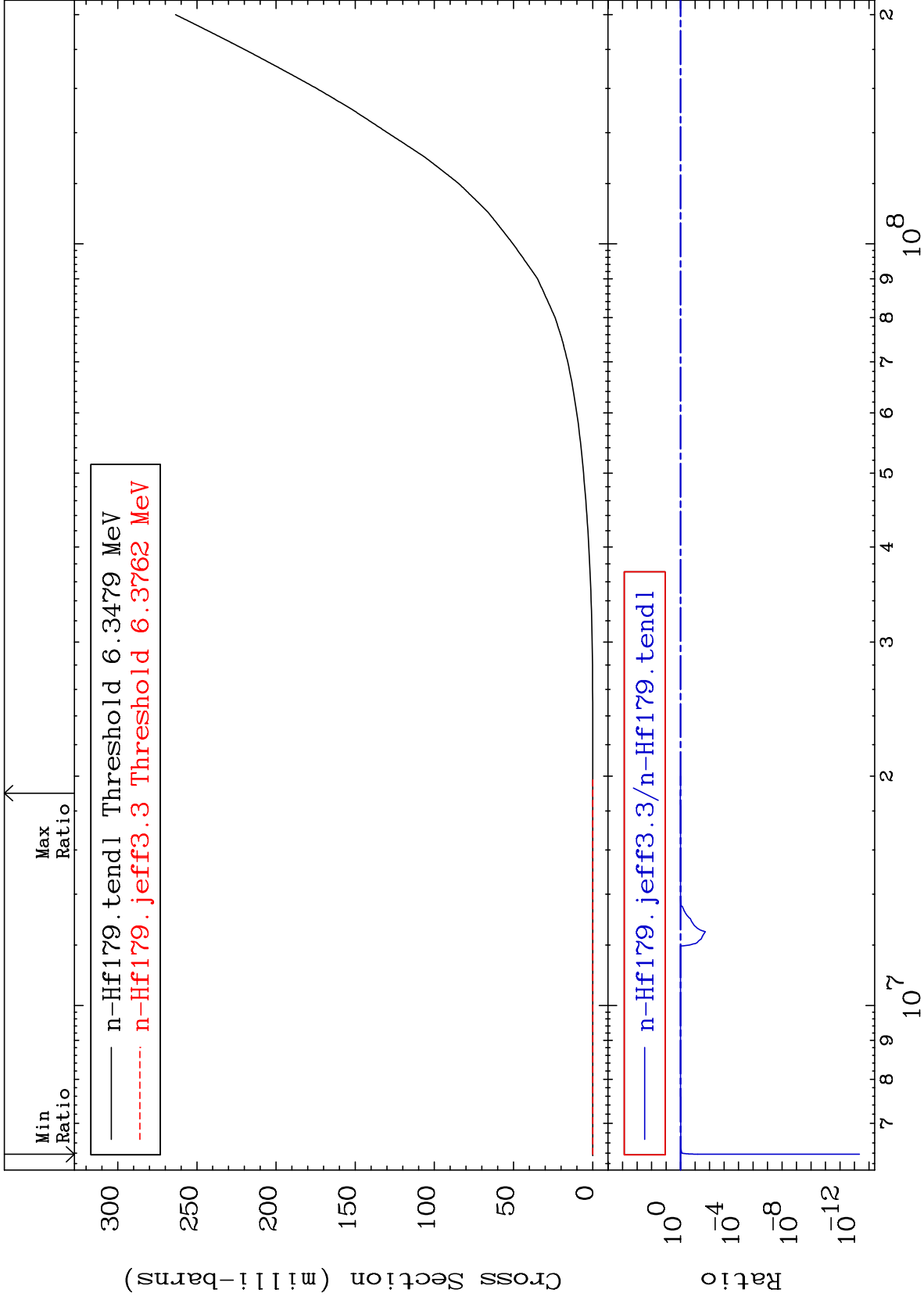




MAT 7240

He-3 Production
Cross Section

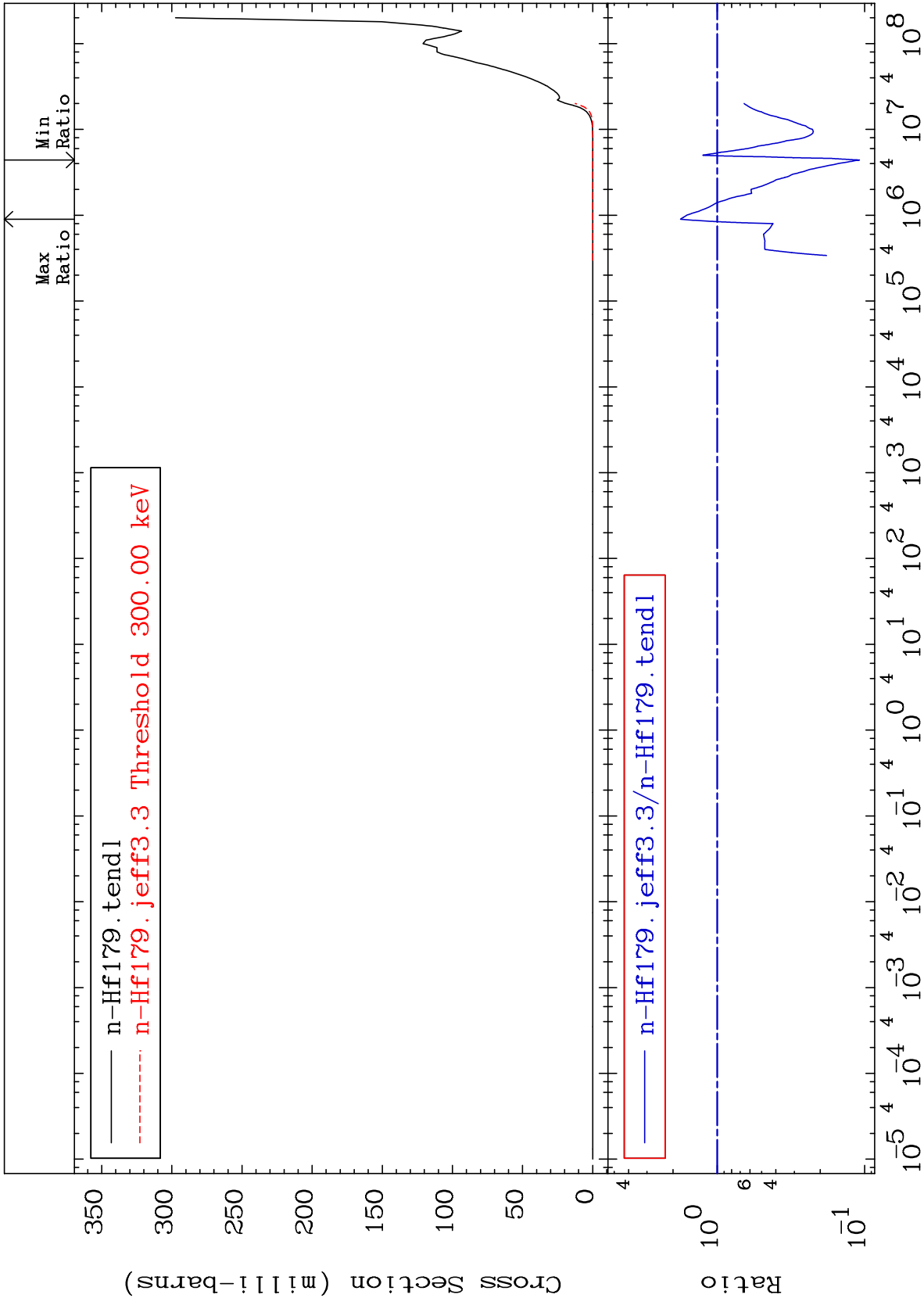
⁷²Hf-¹⁷⁹
-100.0 To 3.172 %

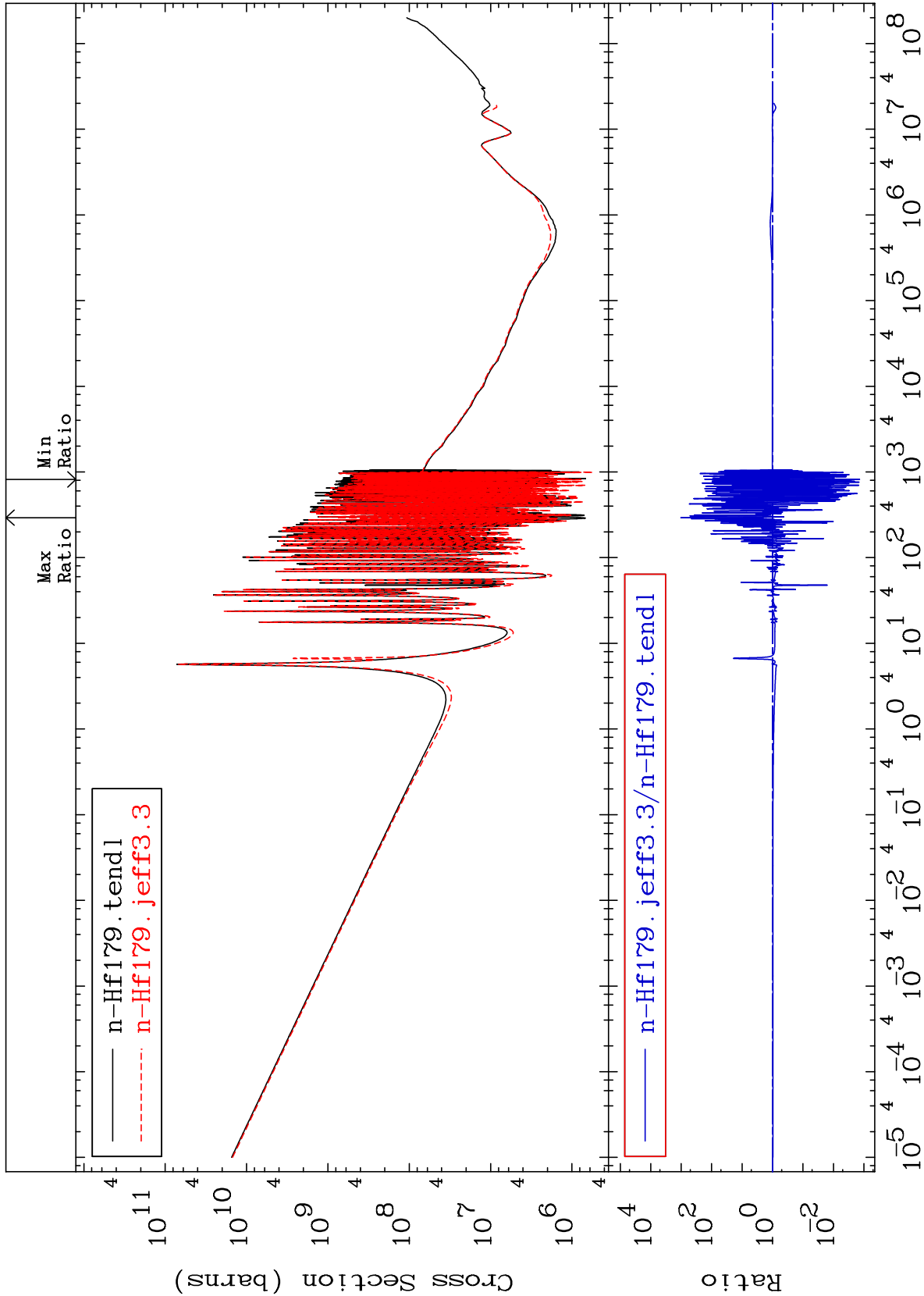


MAT 7240

He-4 Production
Cross Section

$^{72}\text{Hf-179}$
-89.16 To 78.08 %

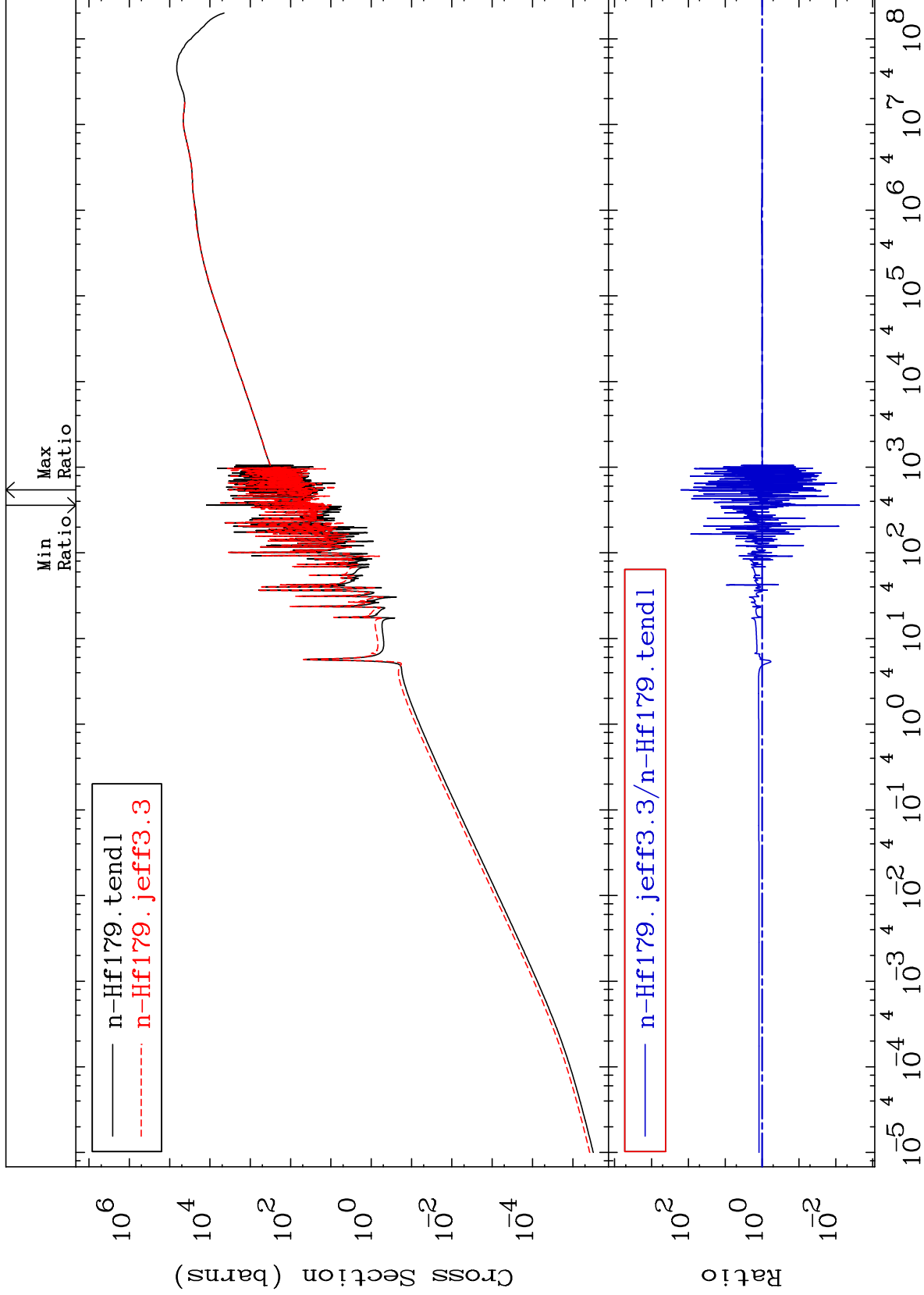


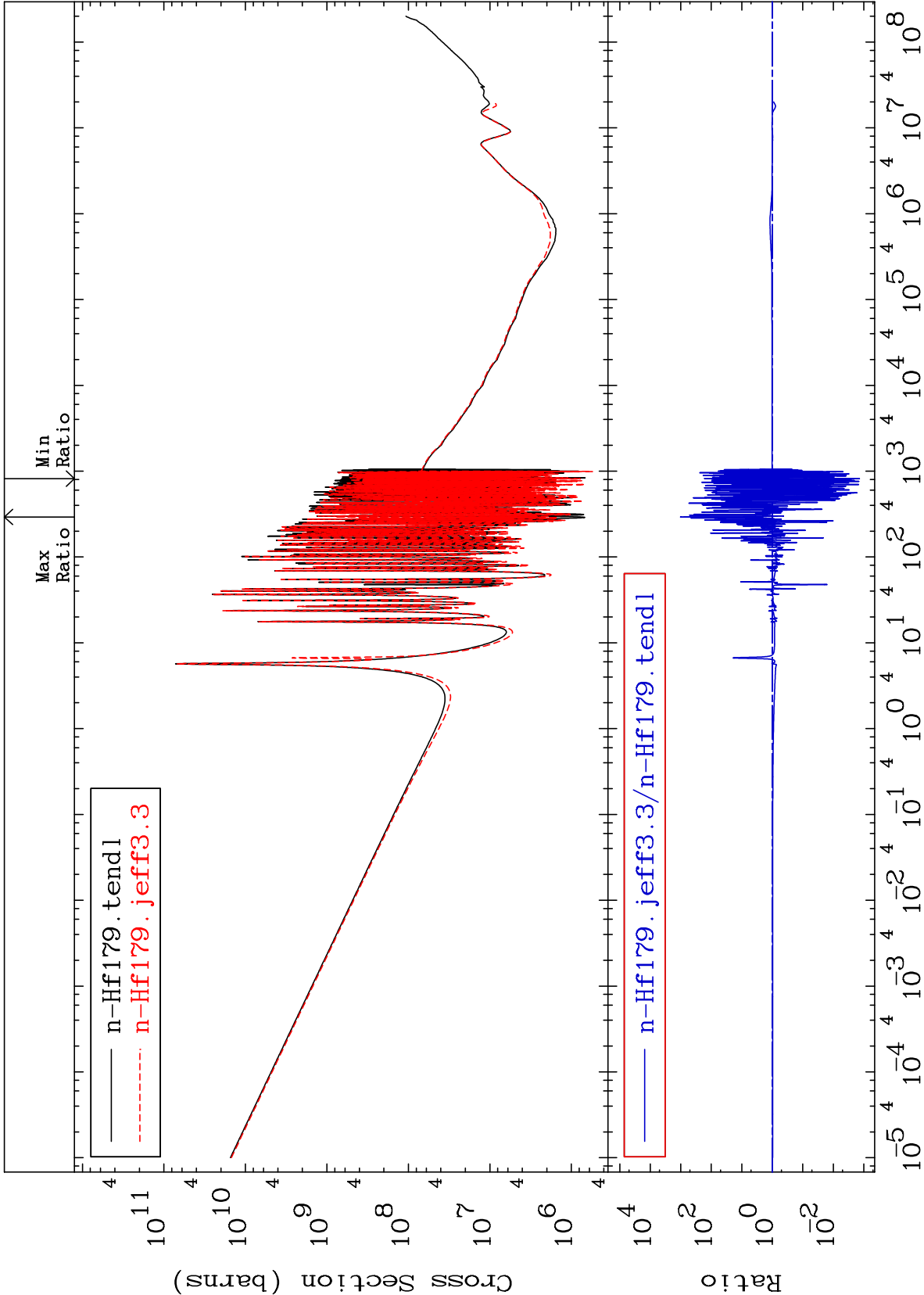


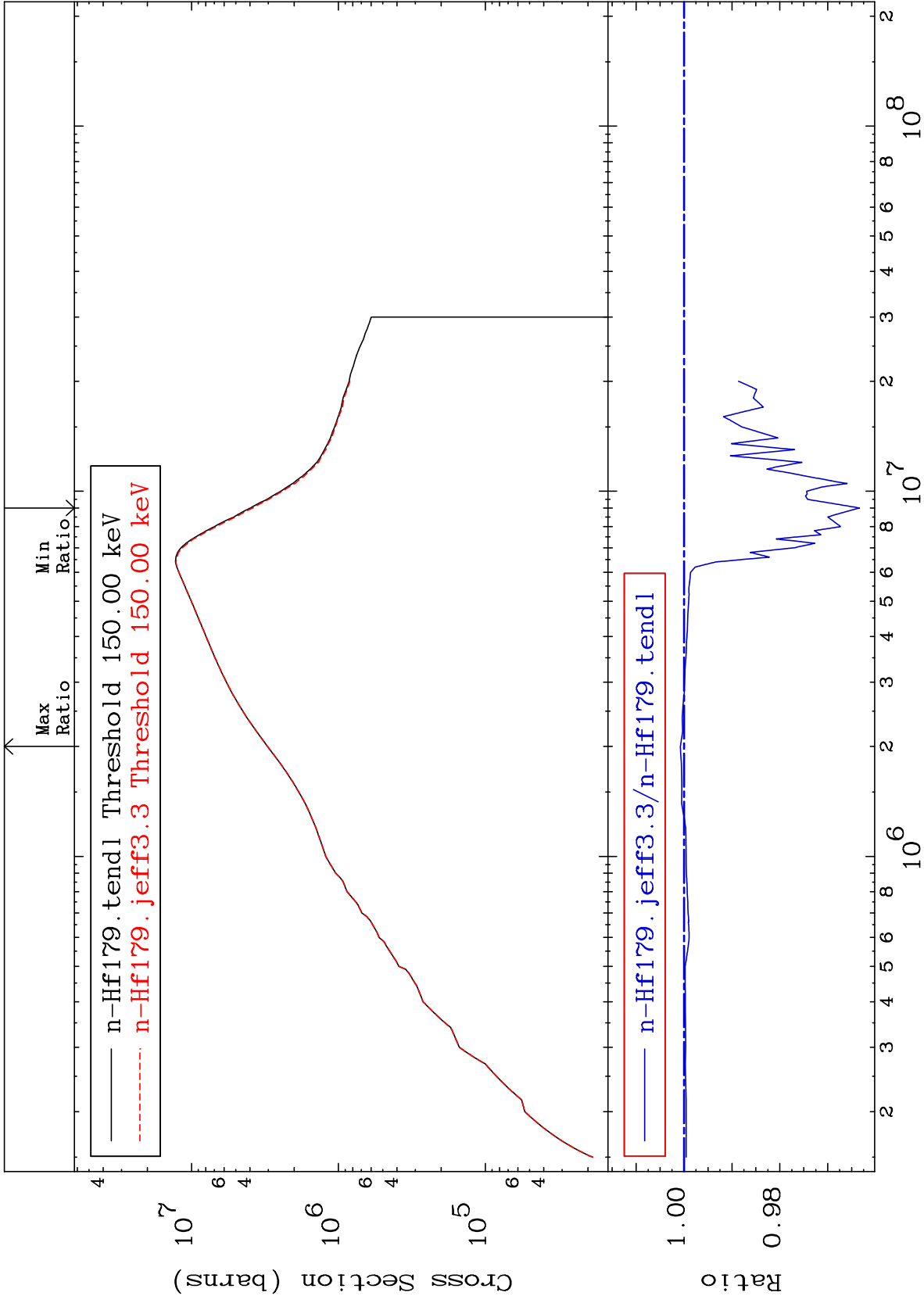
MAT 7240

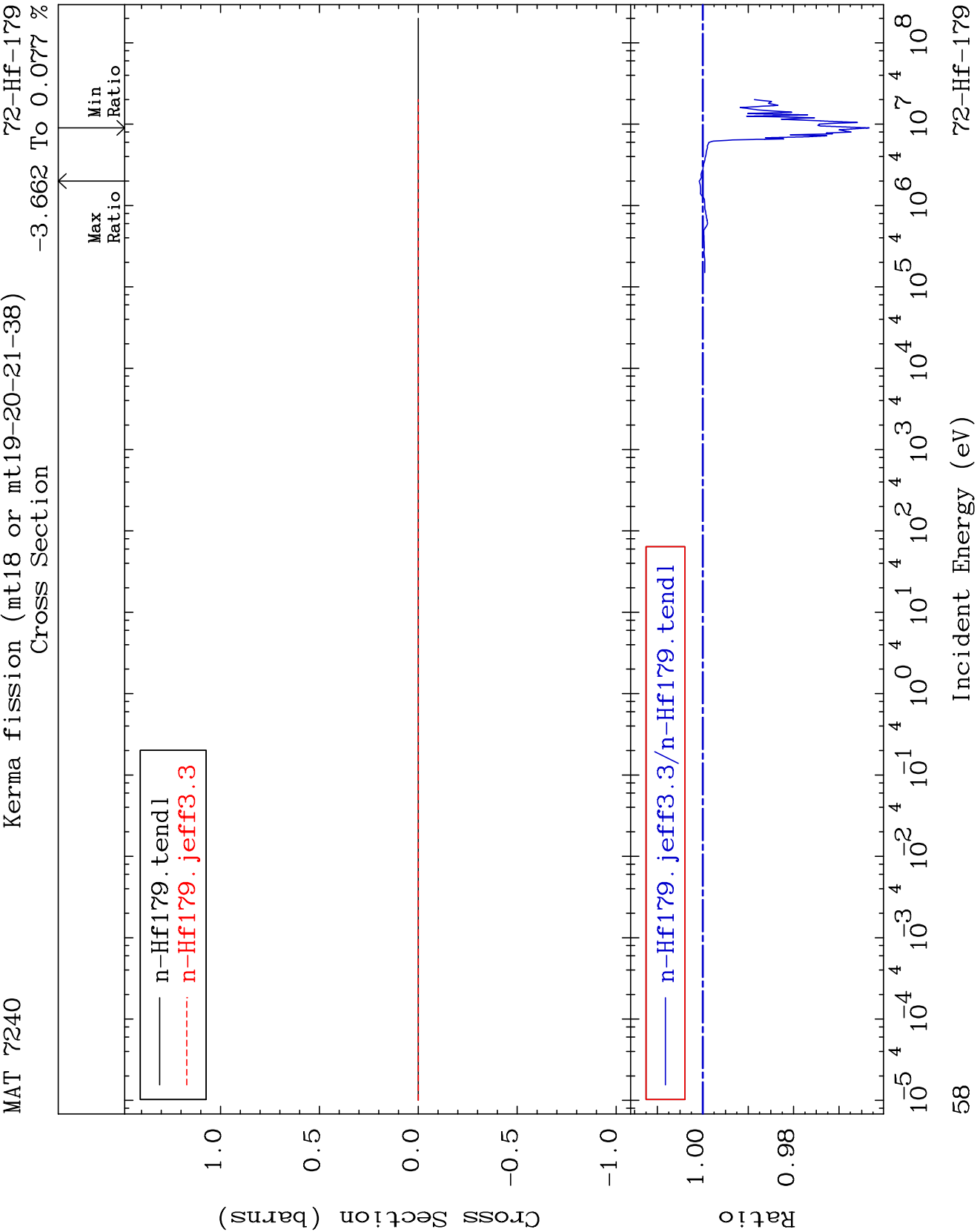
Kerma elastic
Cross Section

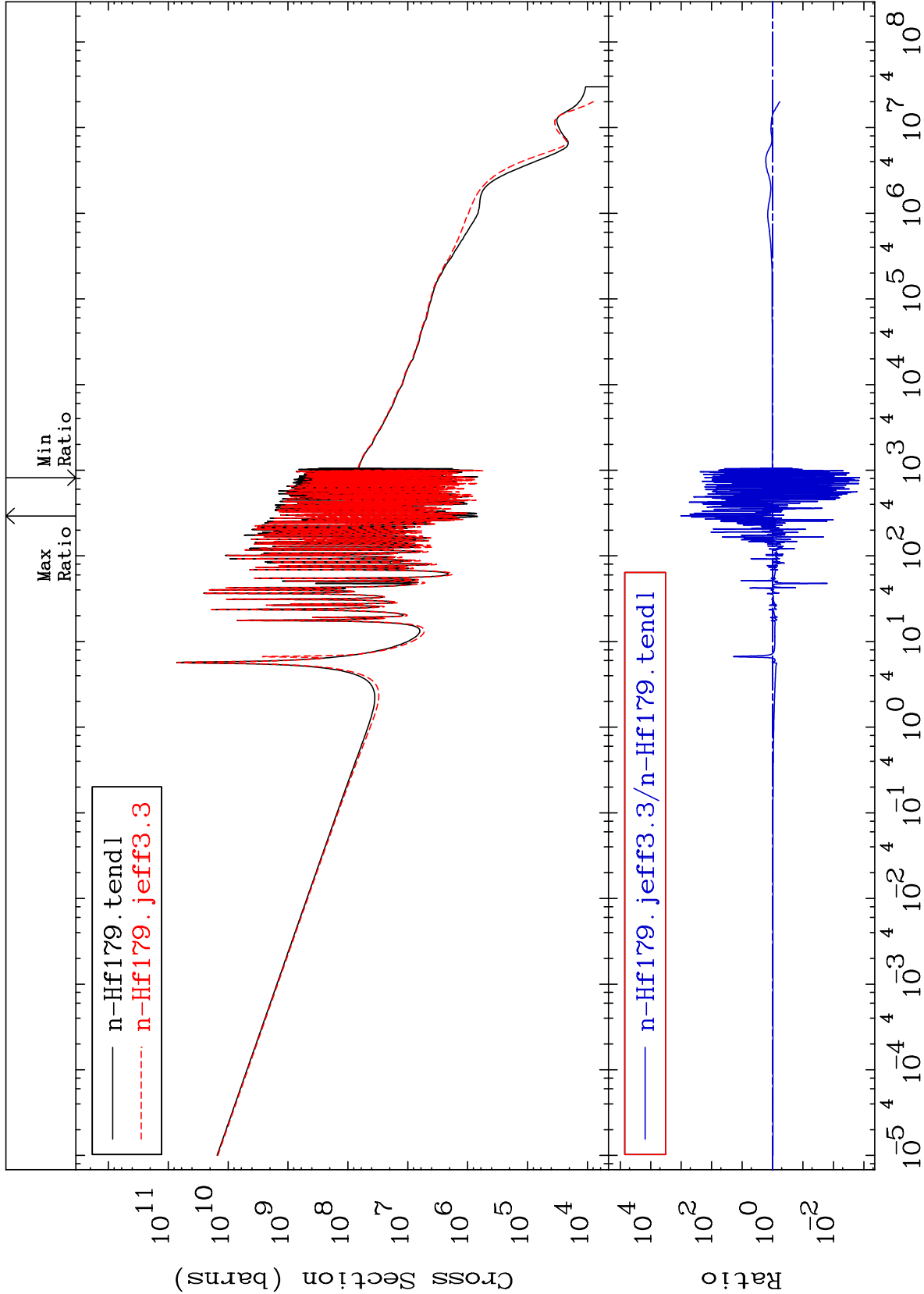
⁷²Hf-179
-99.77 To 9999. %











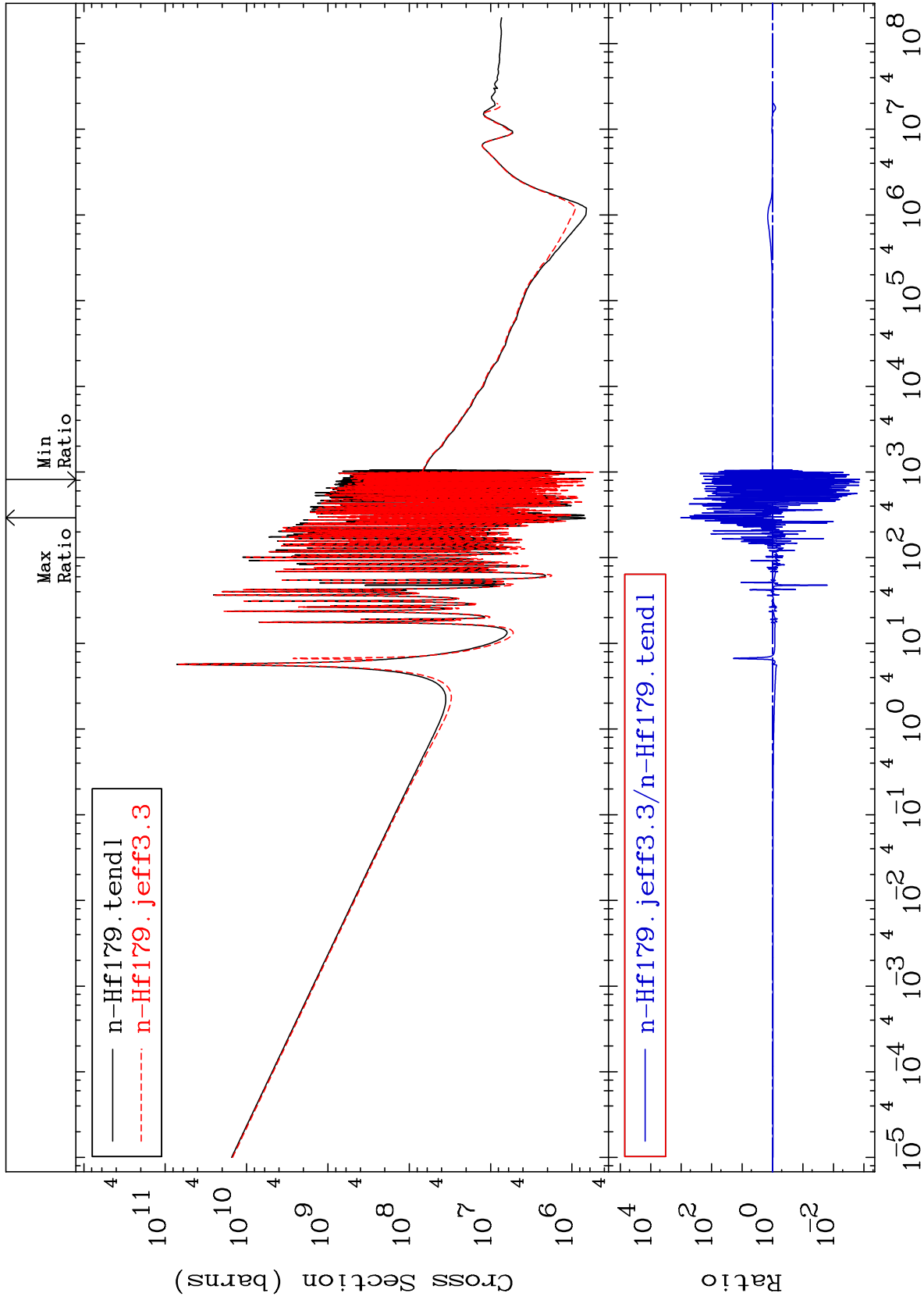
MAT 7240

Total photon (eV-barns)

⁷²Hf-179

Cross Section

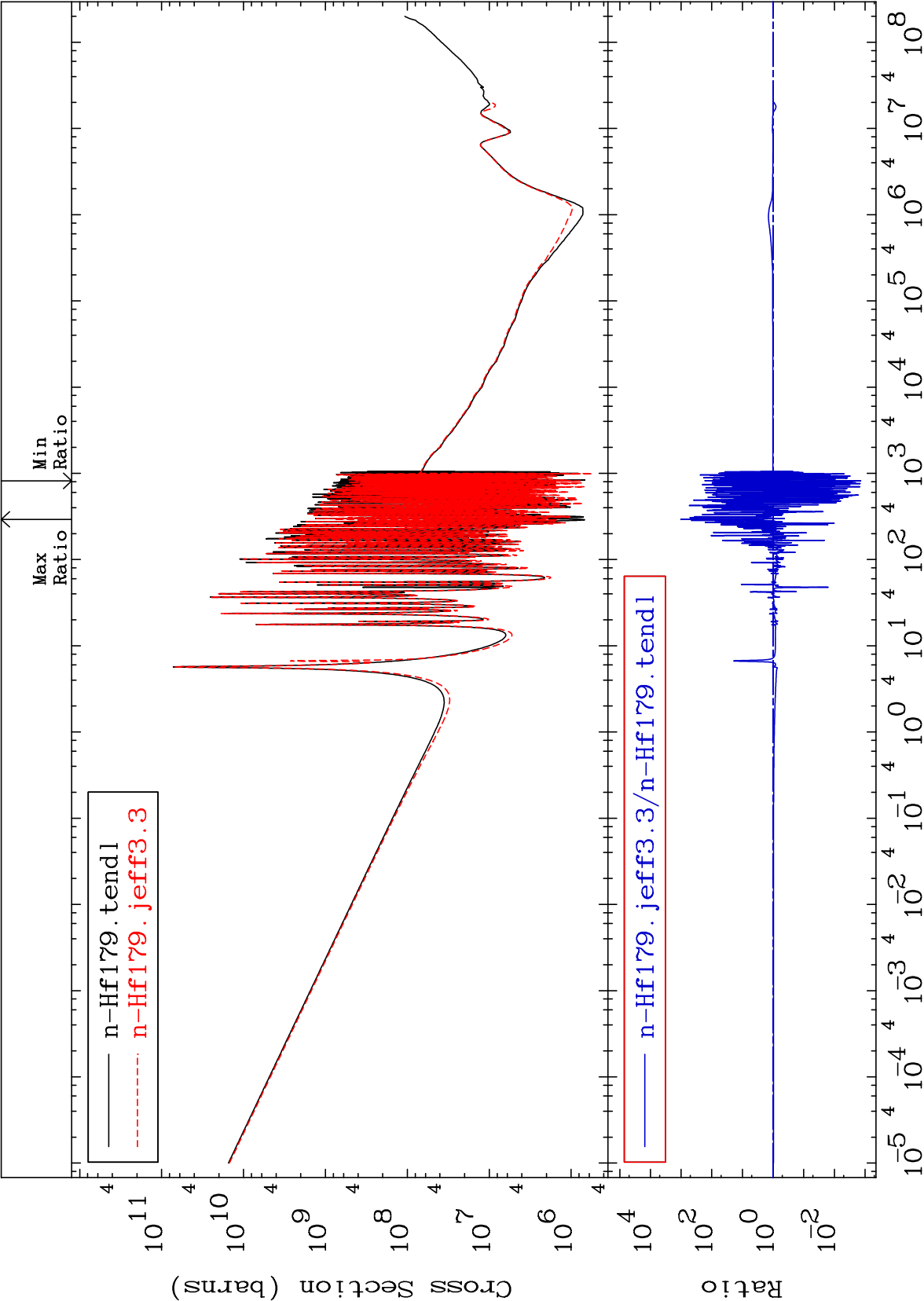
-99.86 To 9999. %



60

Incident Energy (eV)

⁷²Hf-179



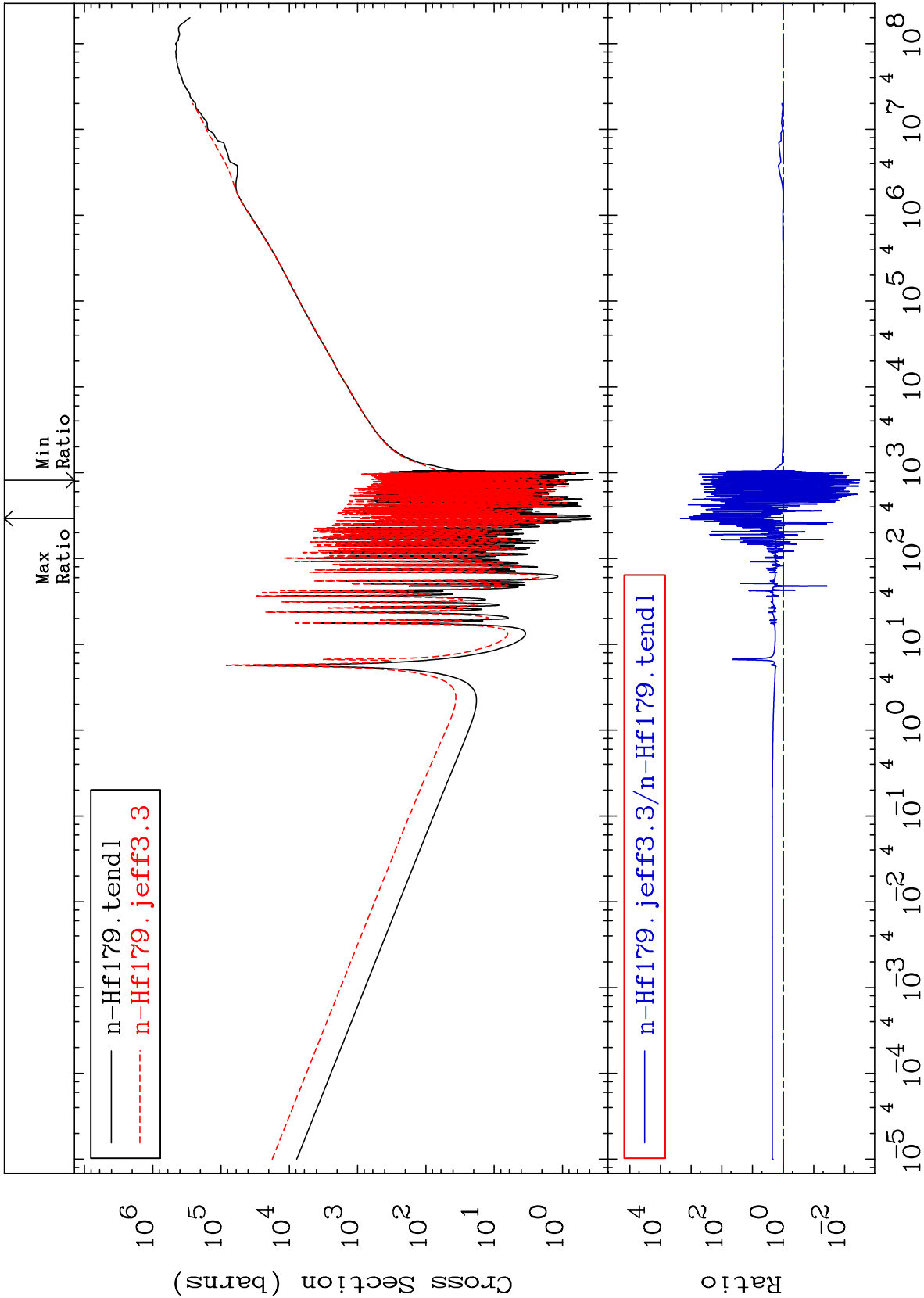
MAT 7240

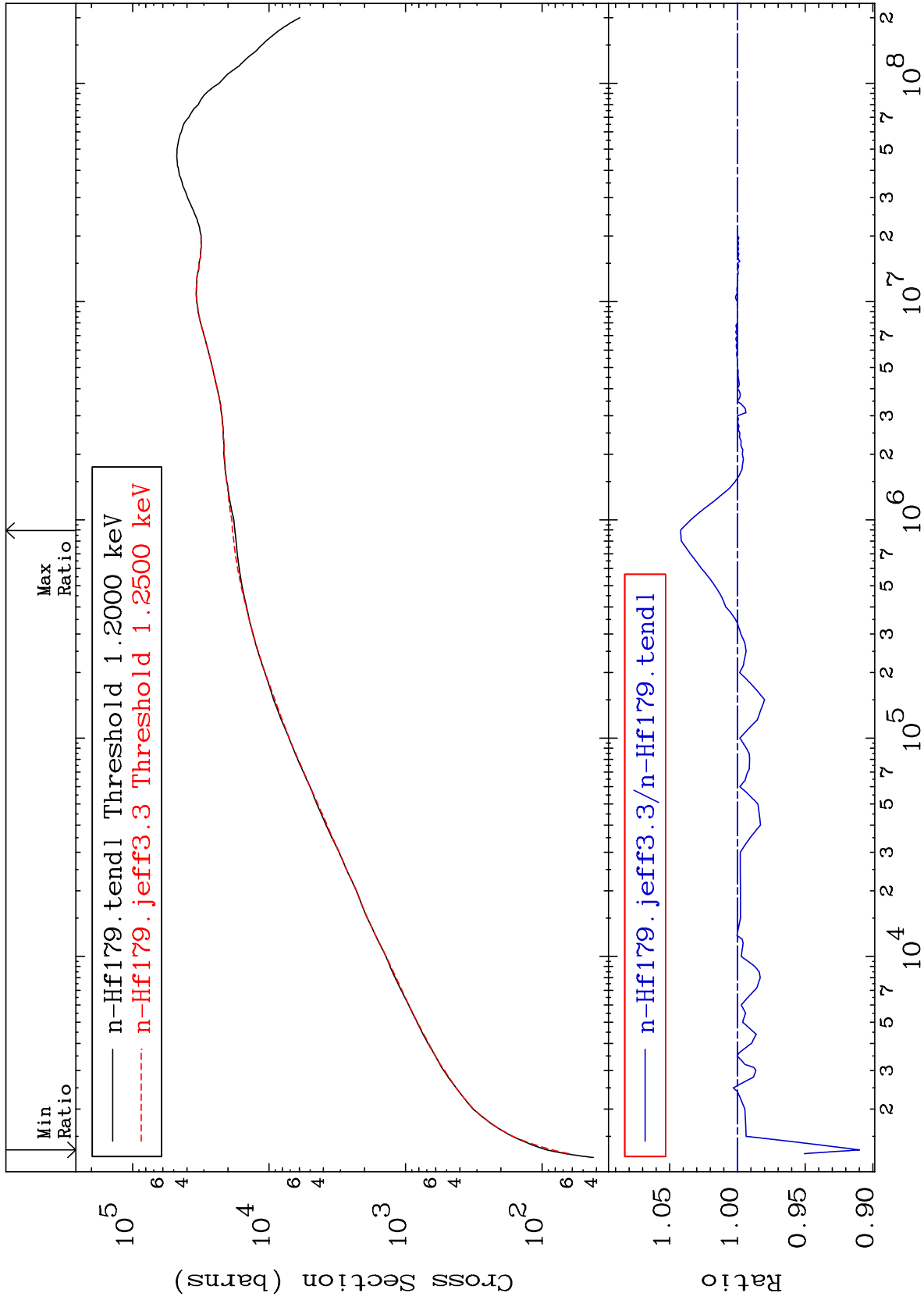
Dpa total (eV-barns)

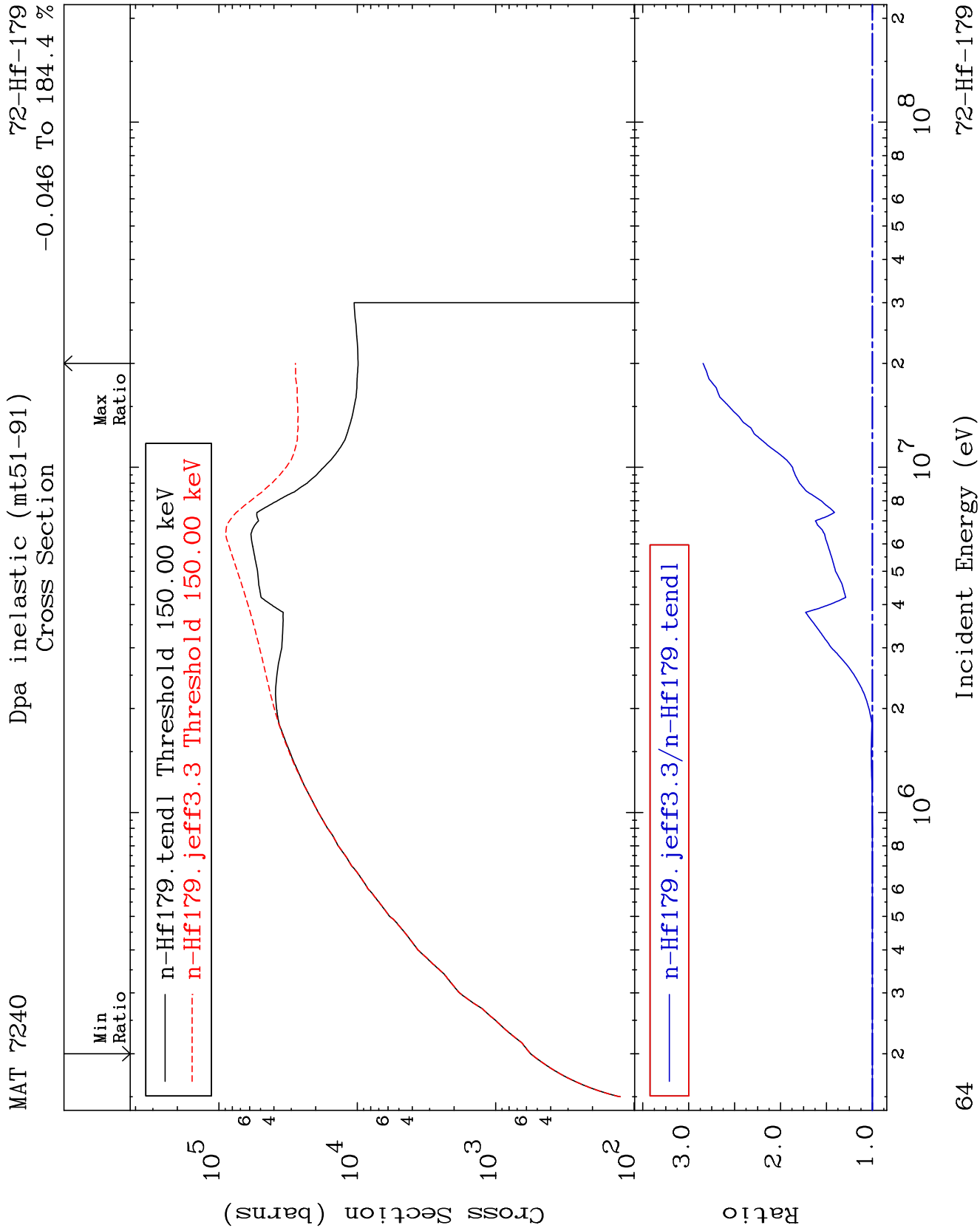
⁷²Hf-¹⁷⁹

-99.67 To 9999. %

Cross Section







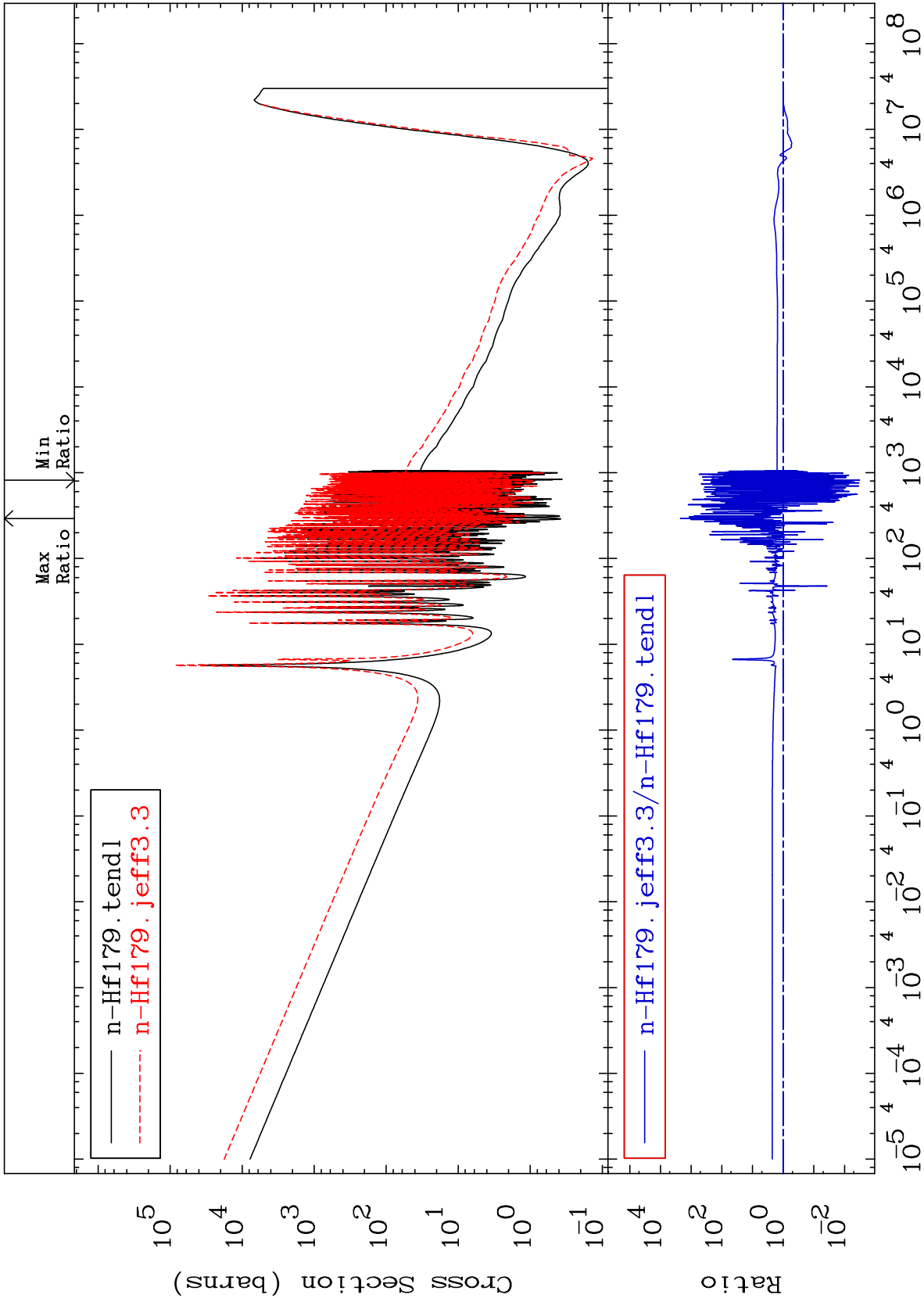
MAT 7240

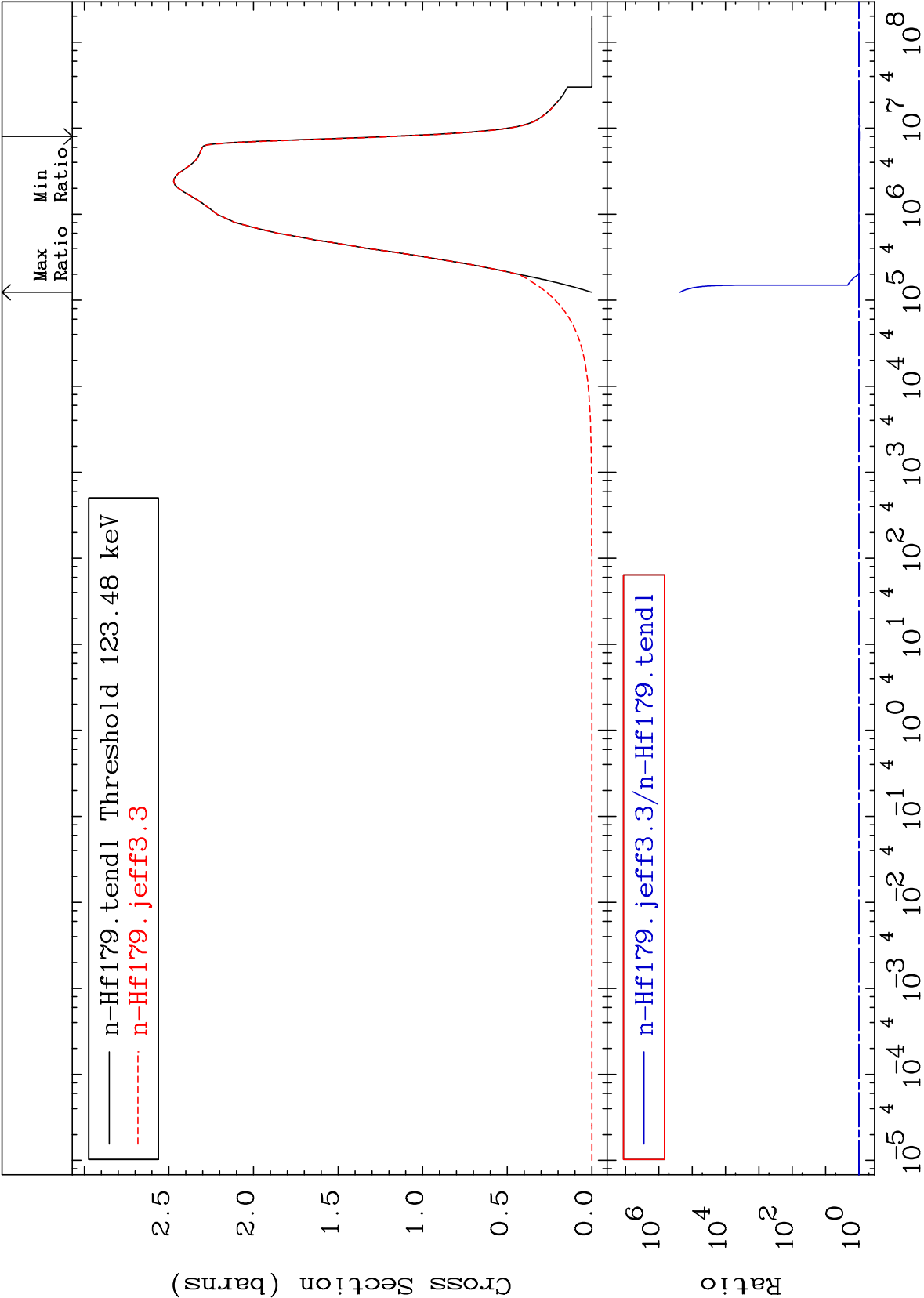
Dpa disappearance (mt102 -120)

⁷²Hf-¹⁷⁹

-99.67 To 9999. %

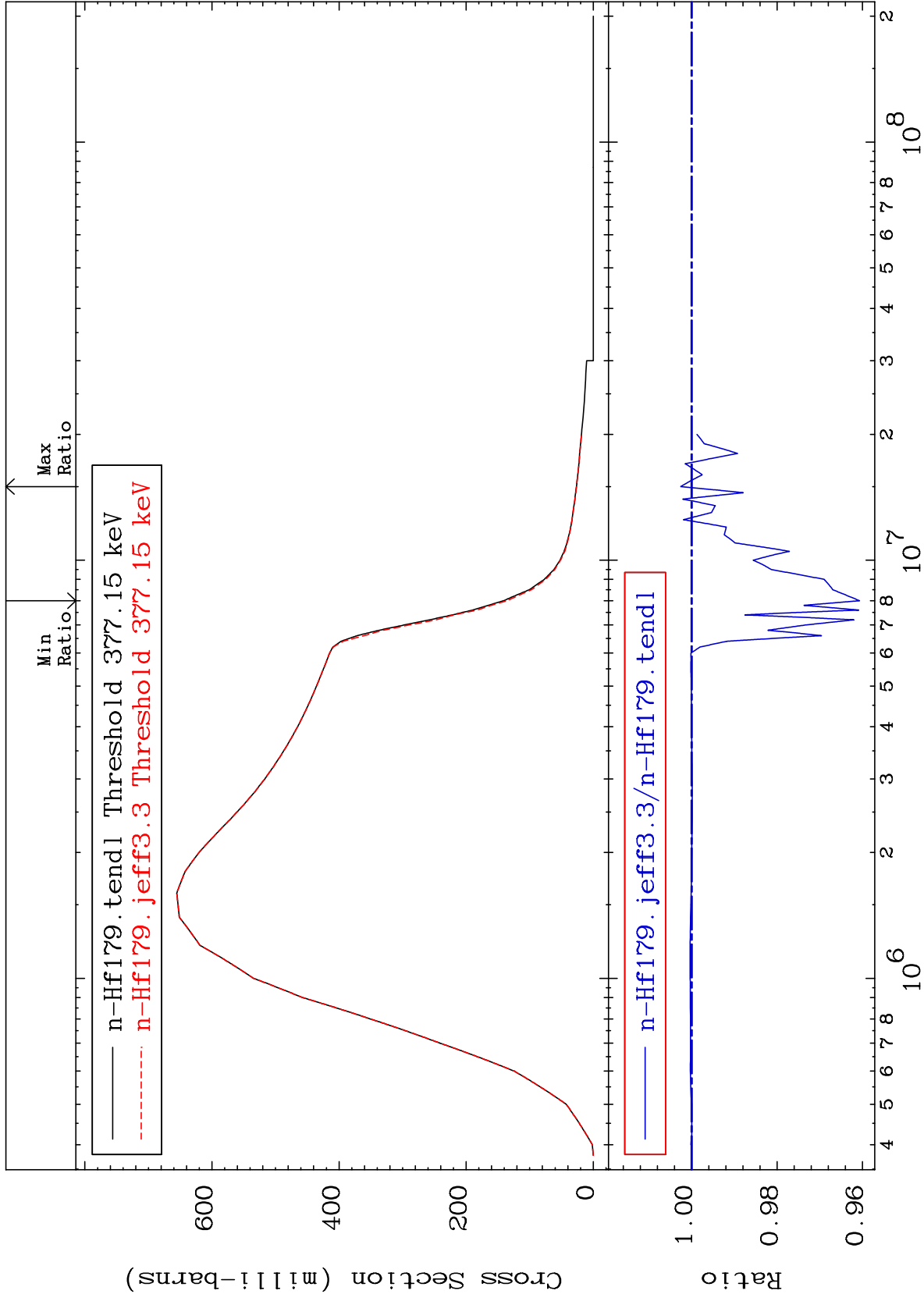
Cross Section

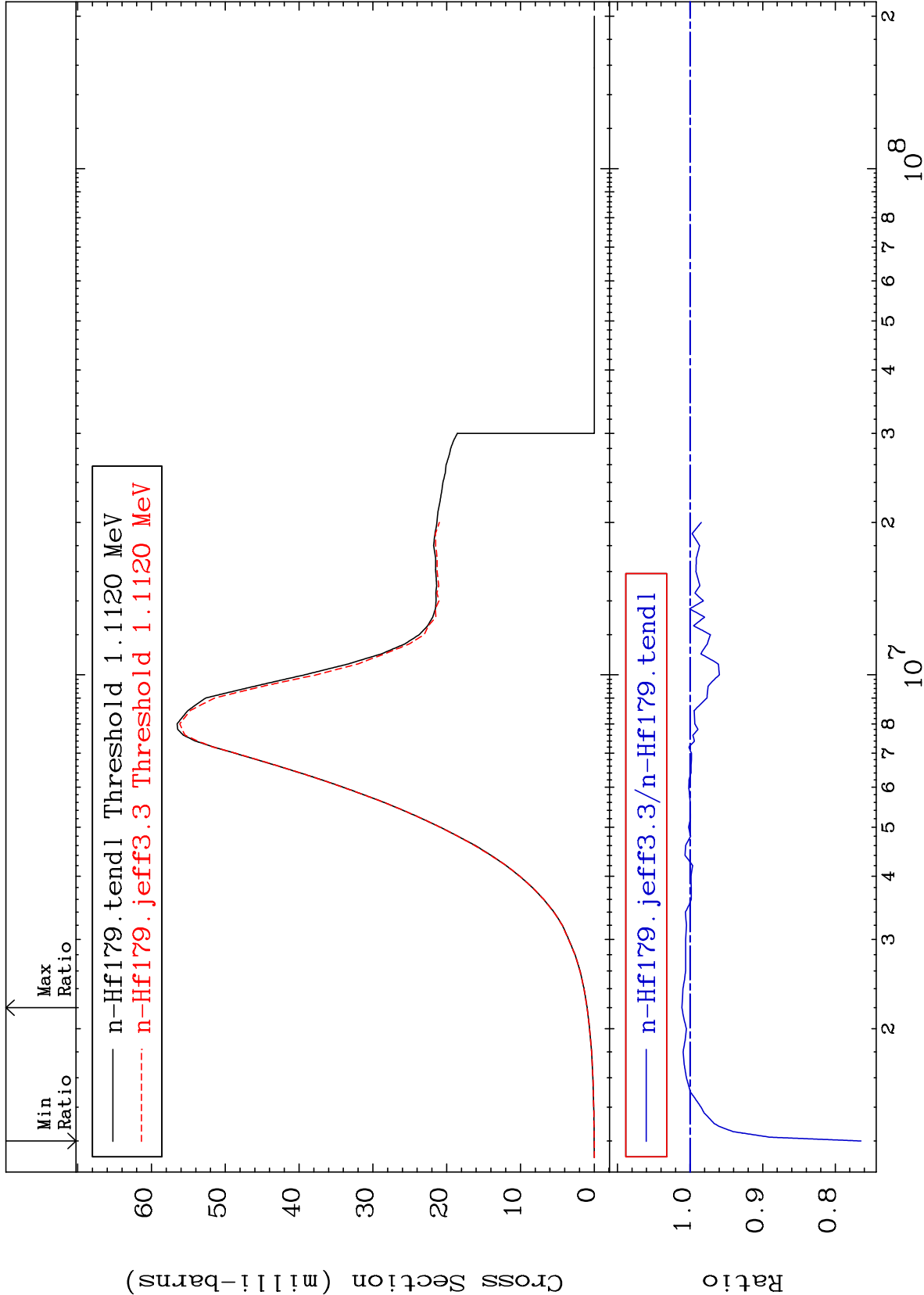




Radionuclide Production Cross Section

-3.930 To 0.255 %





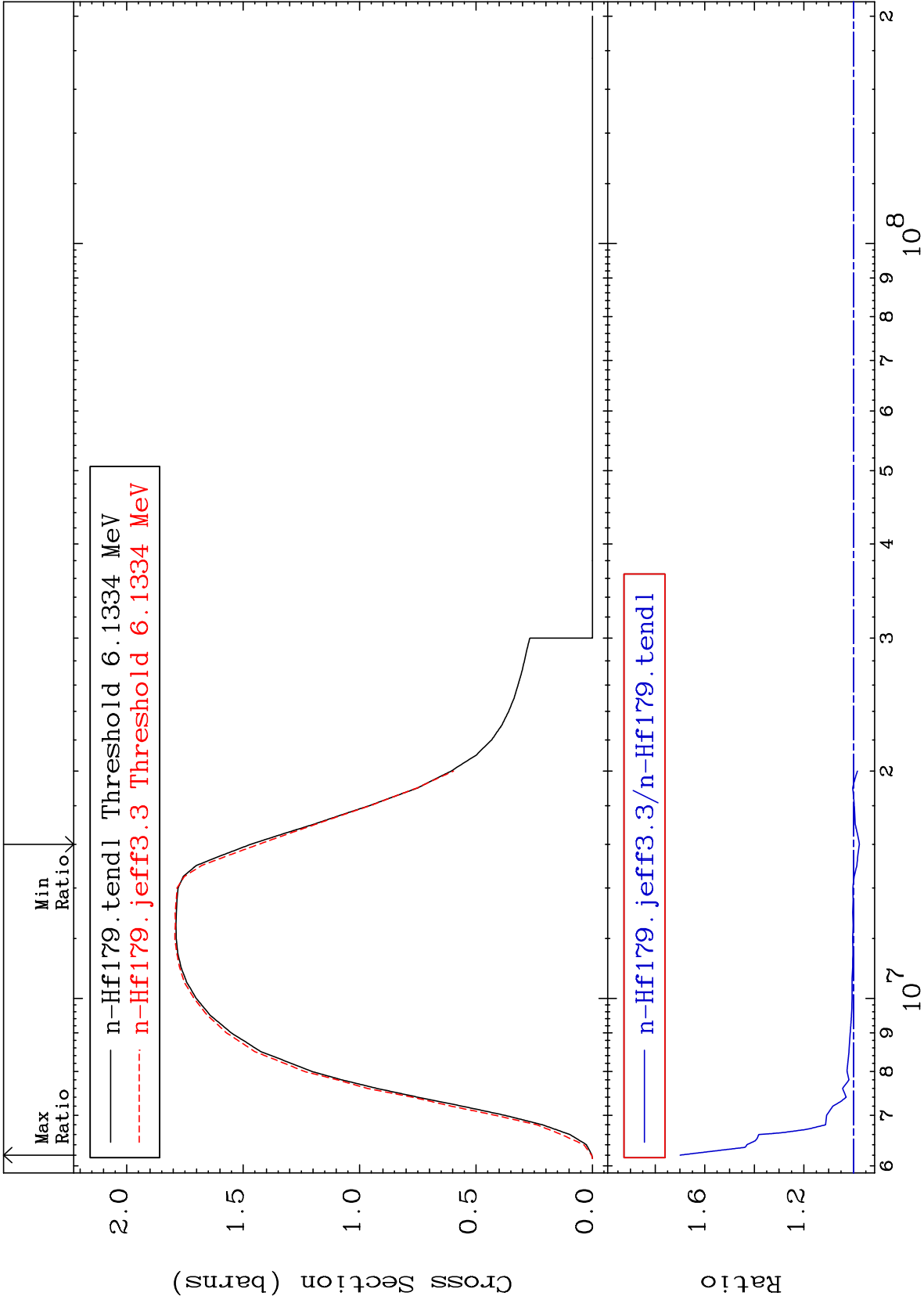
MAT 7240

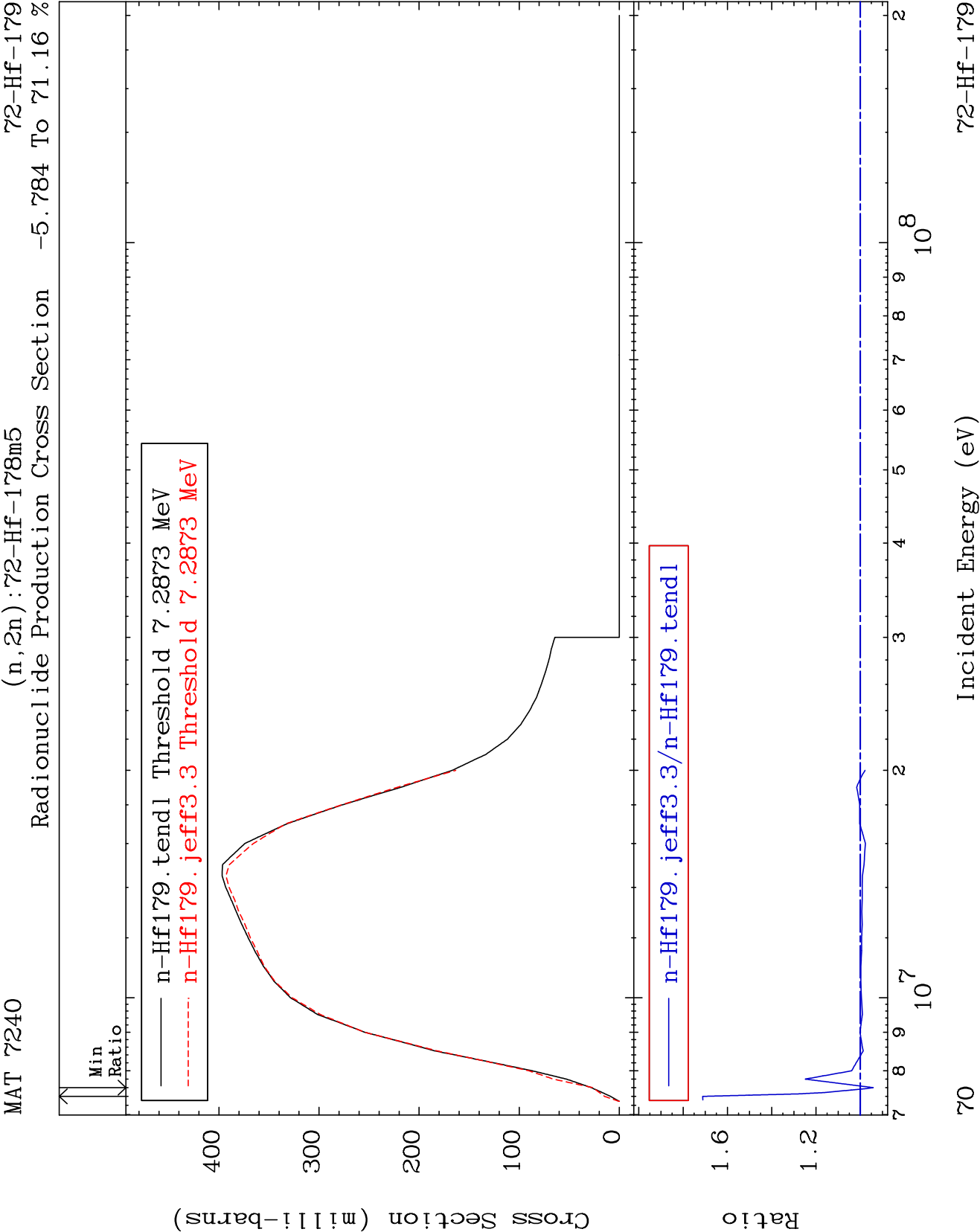
(n,2n):72-Hf-178g

72-Hf-179

Radionuclide Production Cross Section

-2.385 To 69.92 %



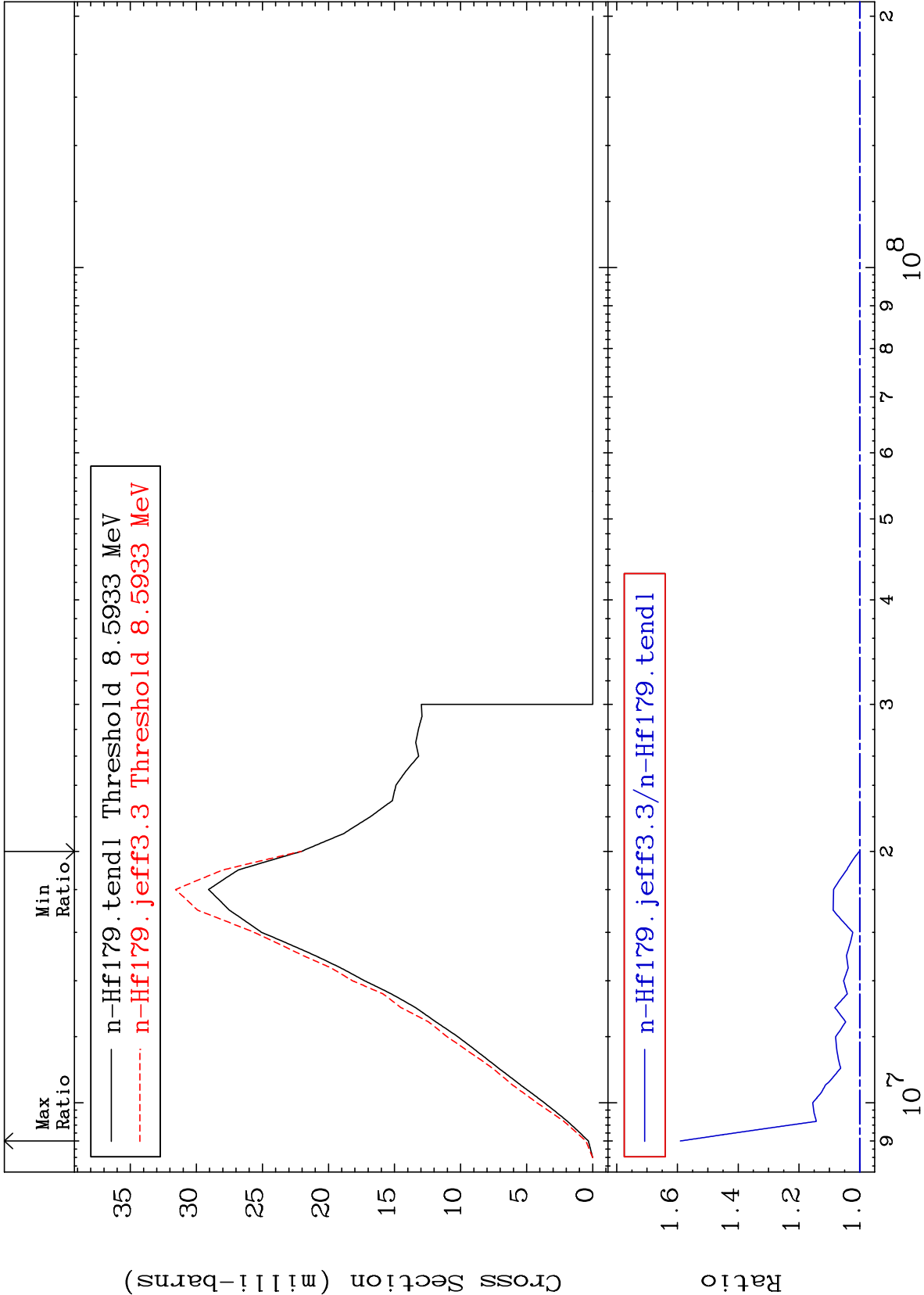


MAT 7240

(n,2n):72-Hf-178m10

72-Hf-179

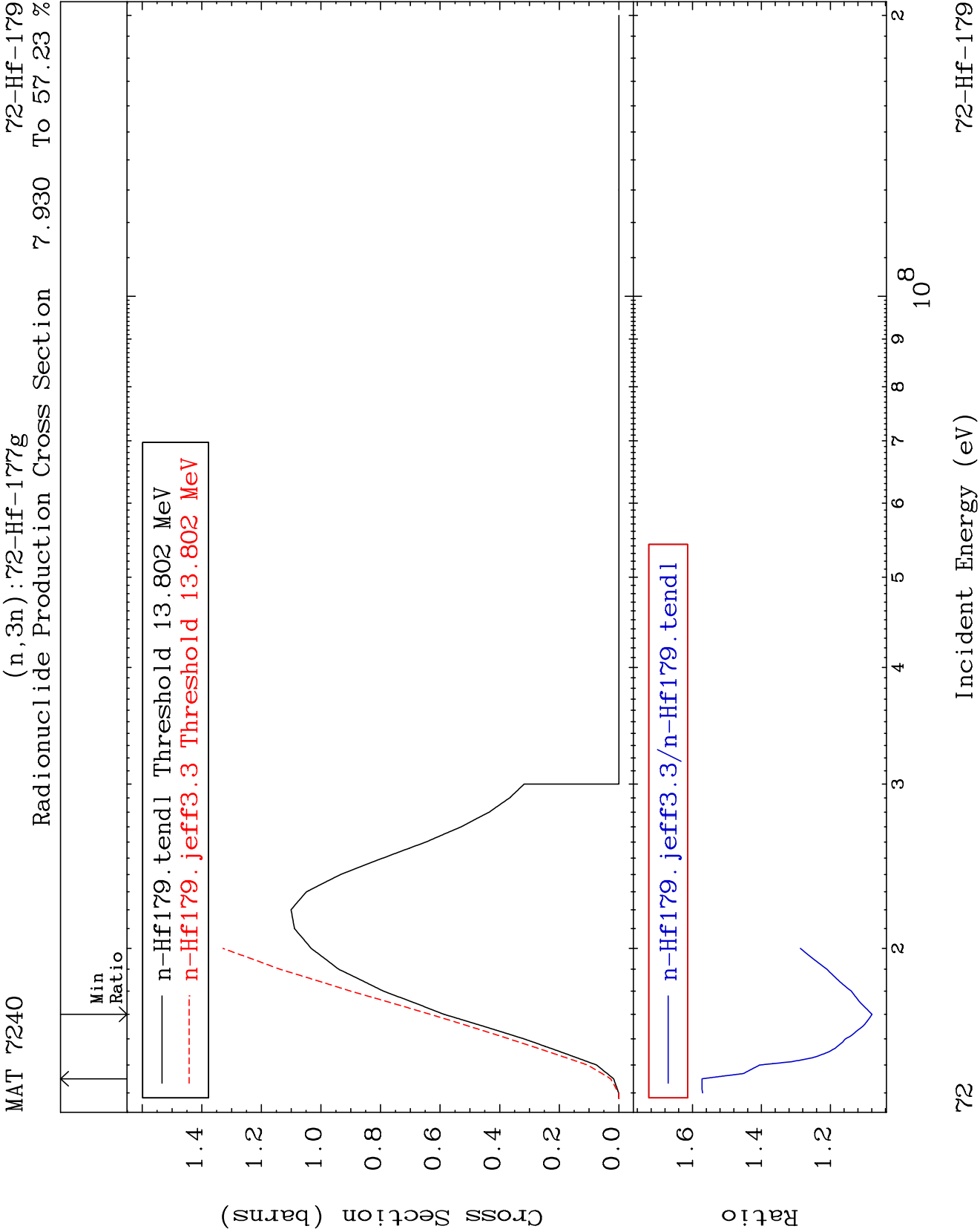
Radionuclide Production Cross Section 0.104 To 59.03 %

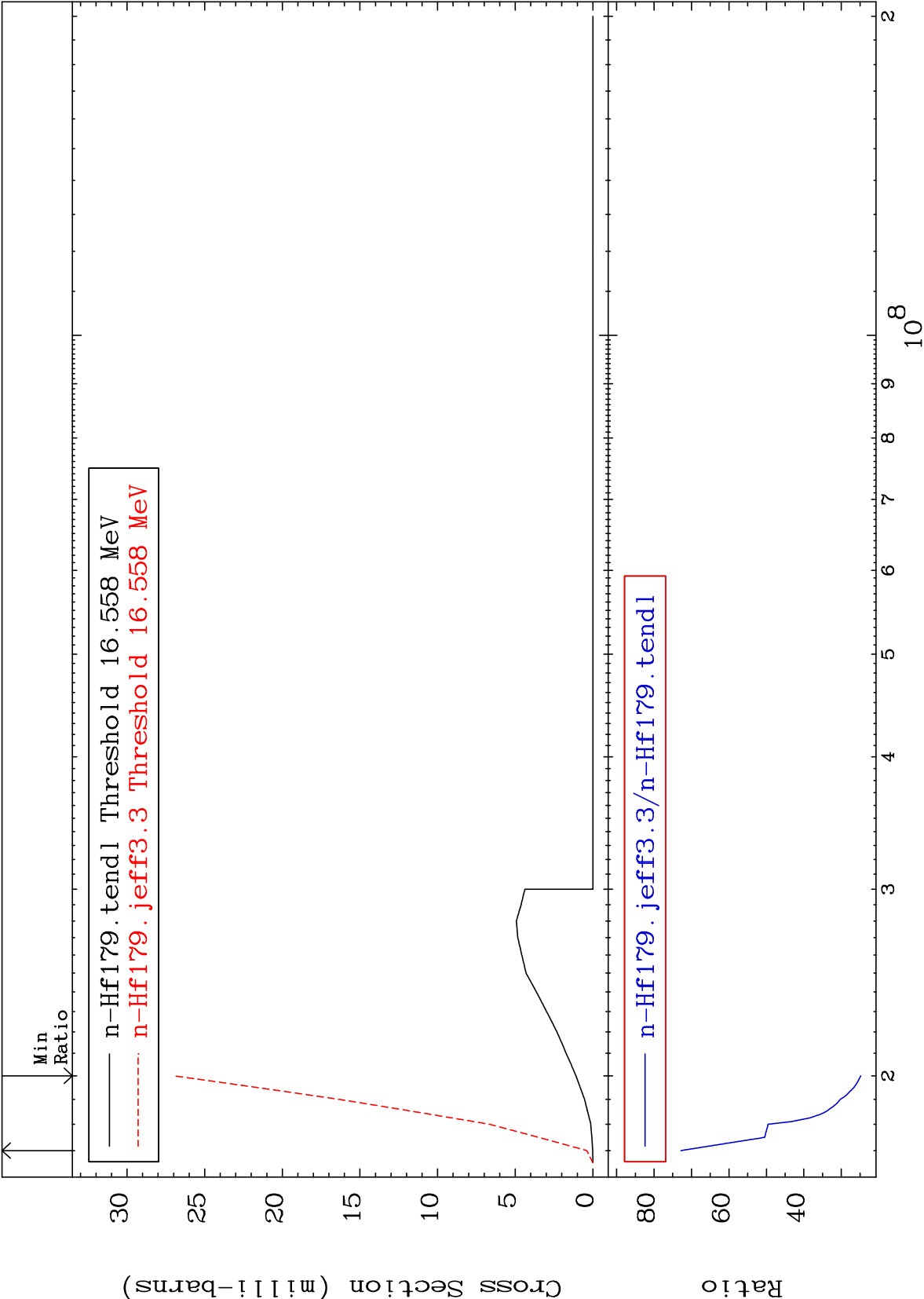


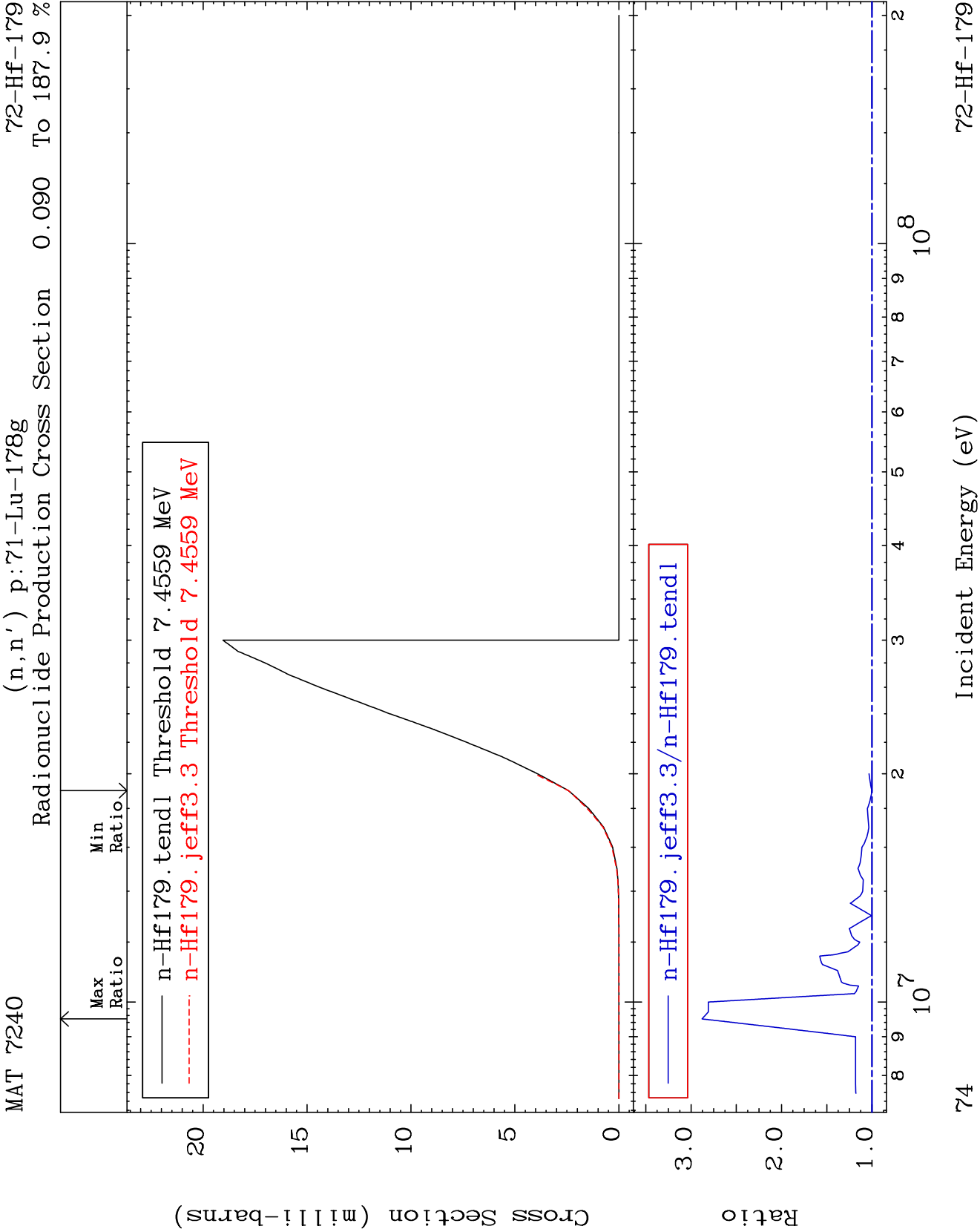
71

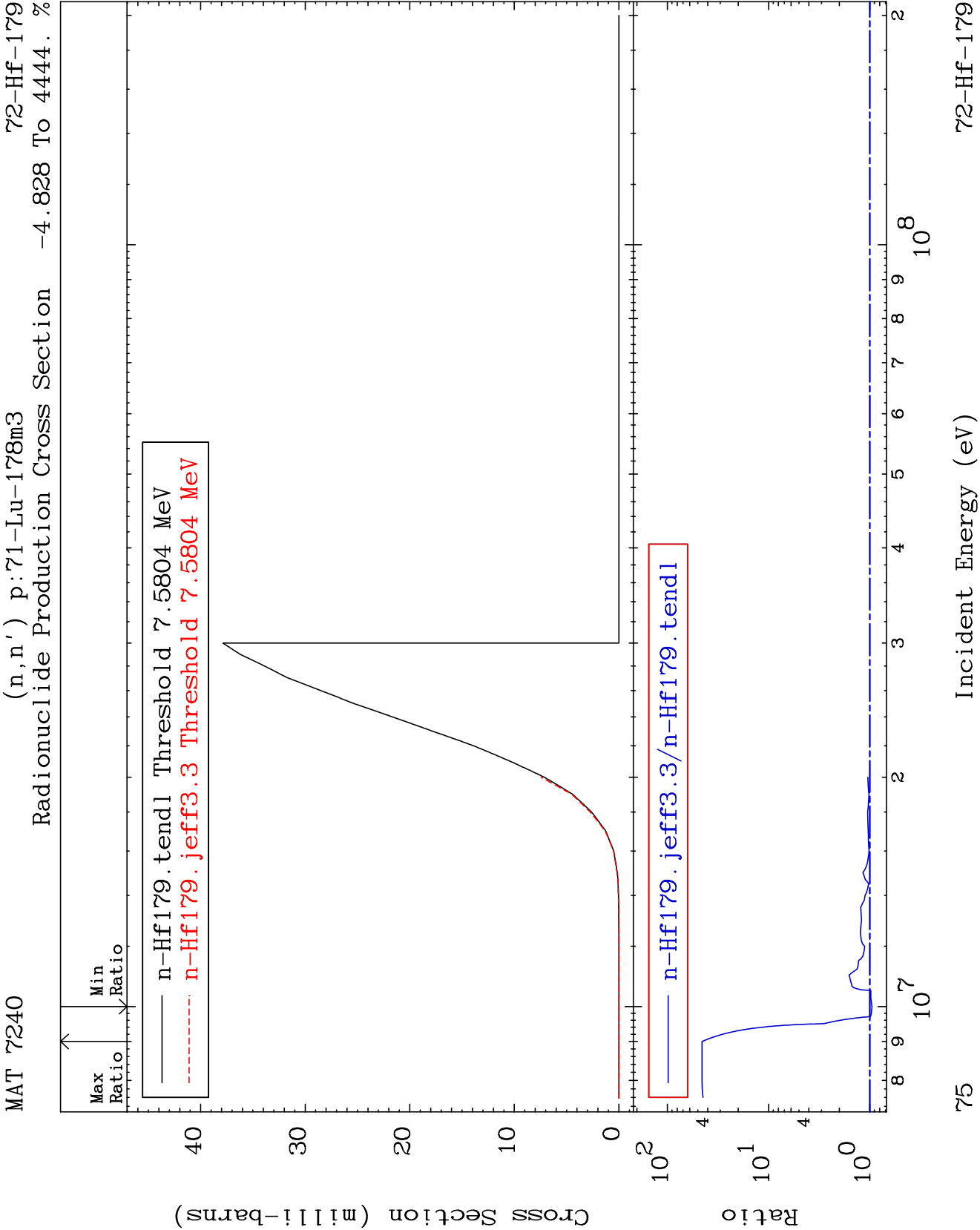
Incident Energy (eV)

72-Hf-179









MAT 7240

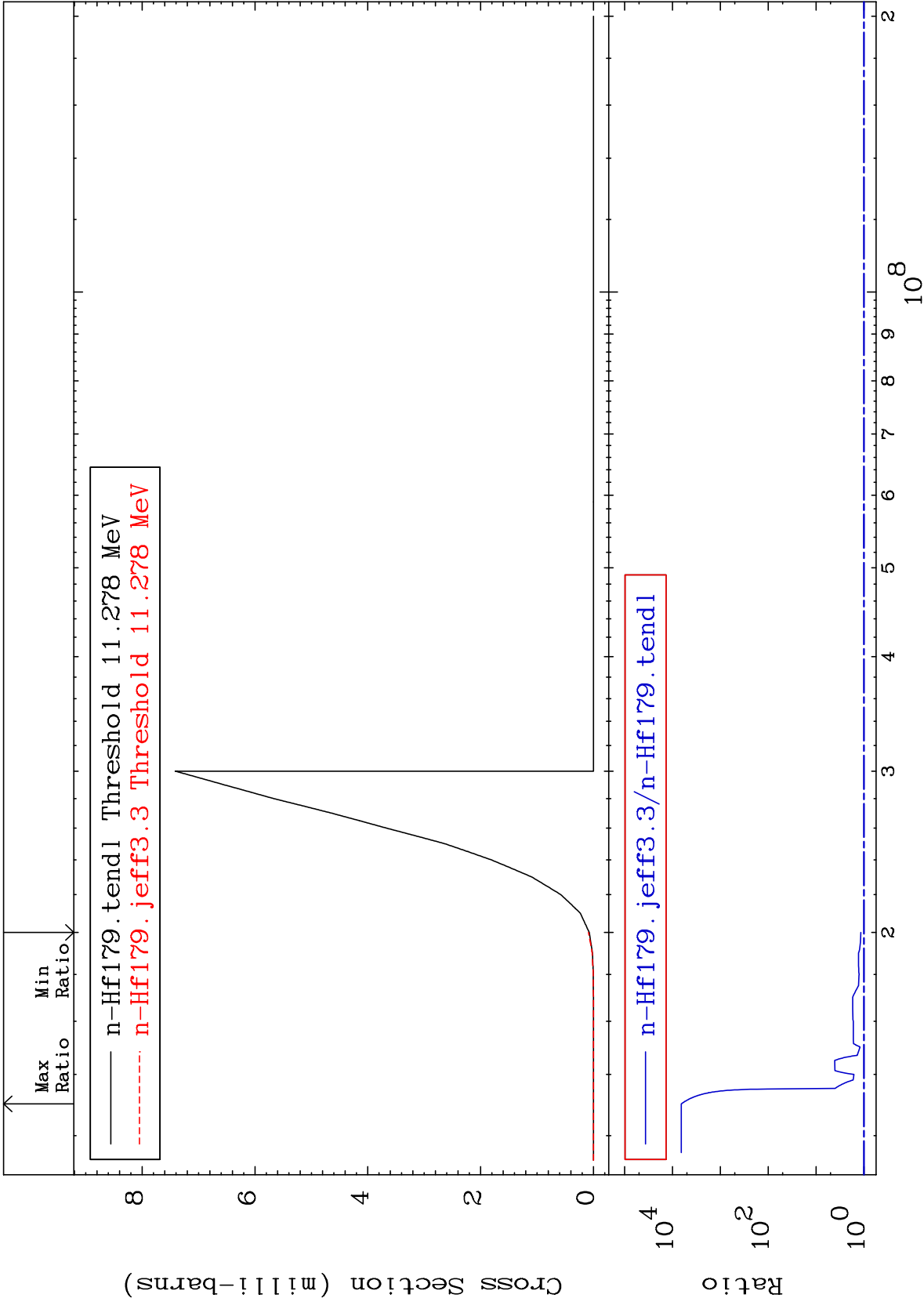
(n,n') d:71-Lu-177g

72-Hf-179

Radionuclide Production Cross Section

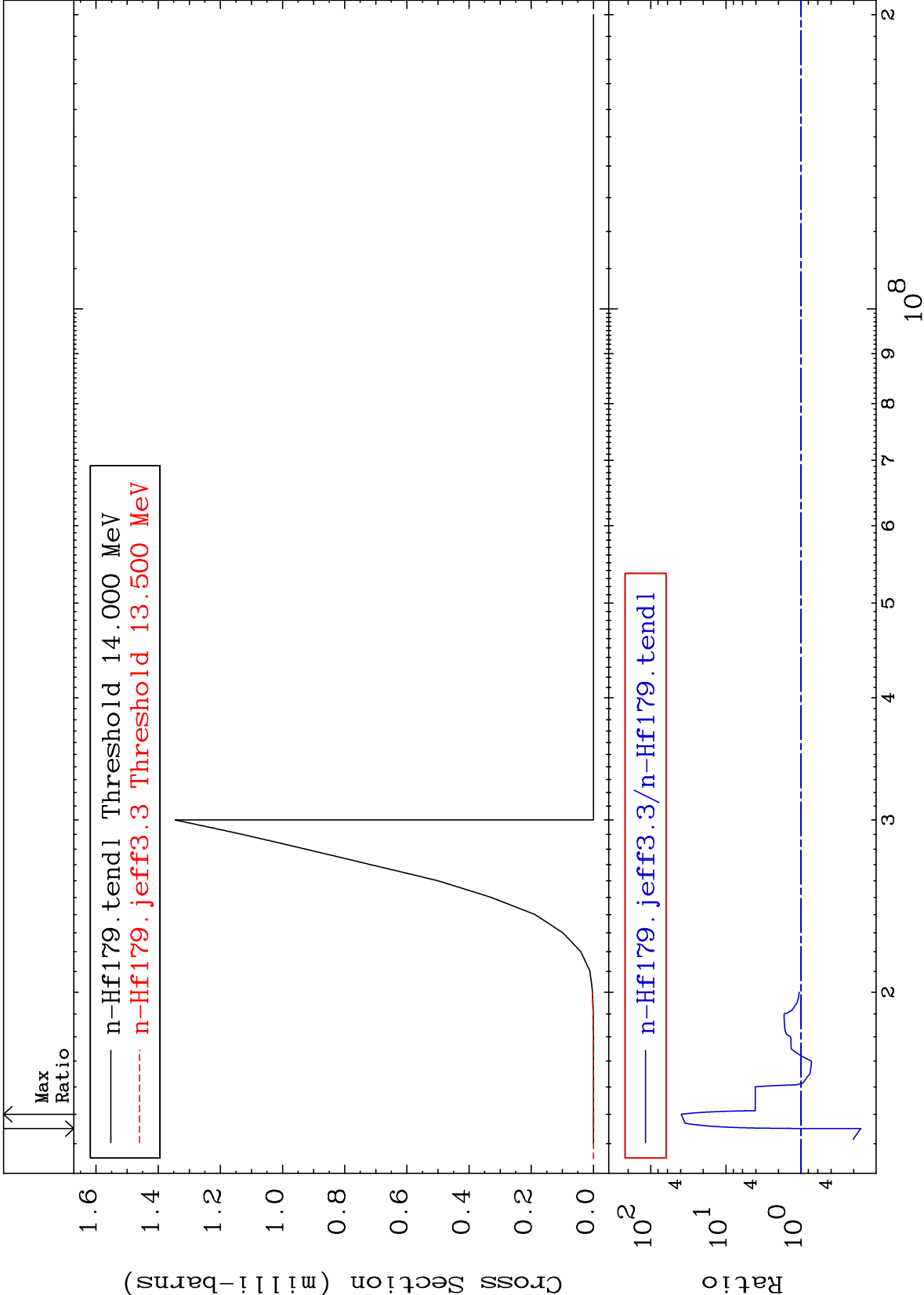
16.74

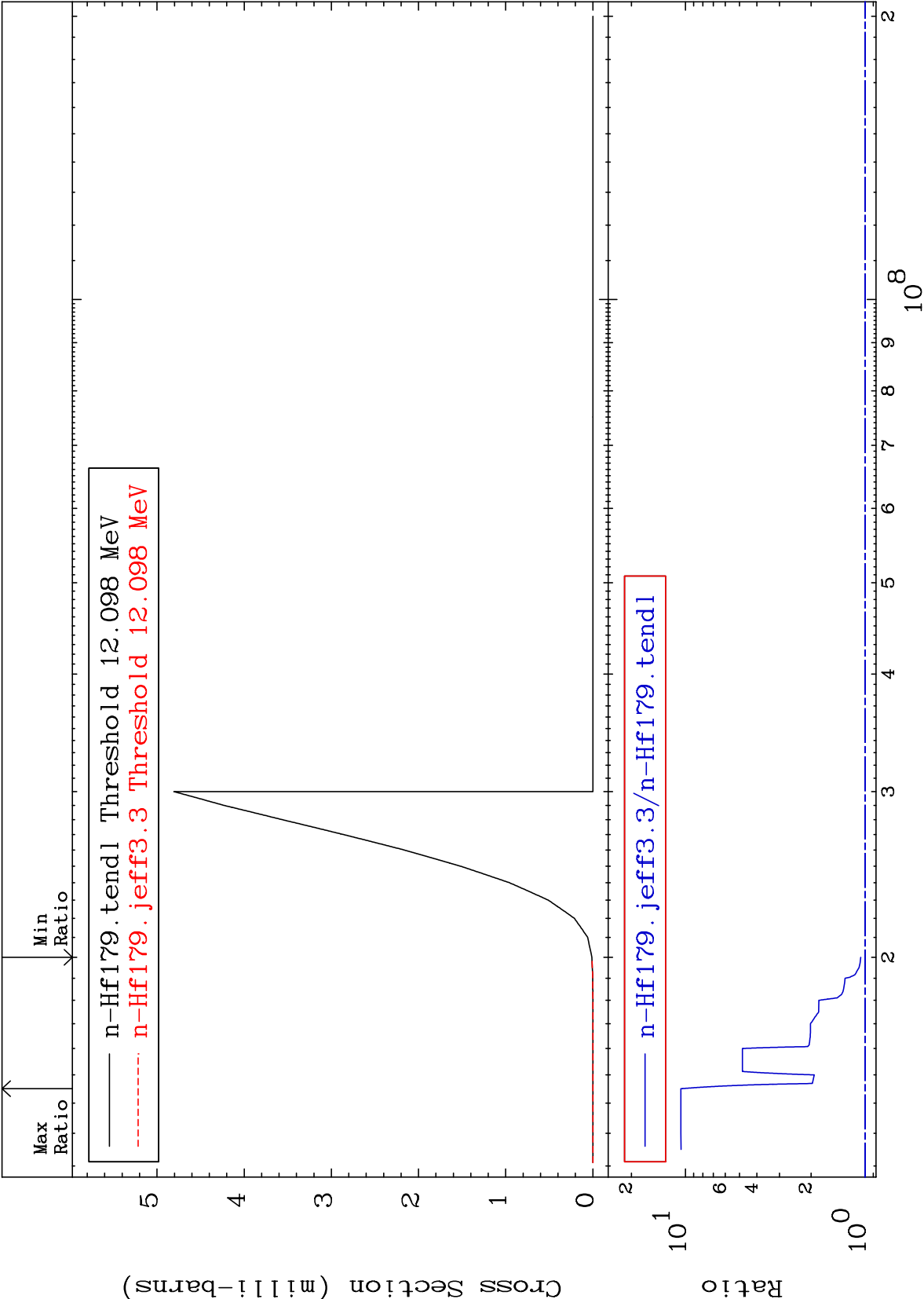
To 9999. %



Radionuclide Production Cross Section

-83.92 To 3819. %





MAT 7240

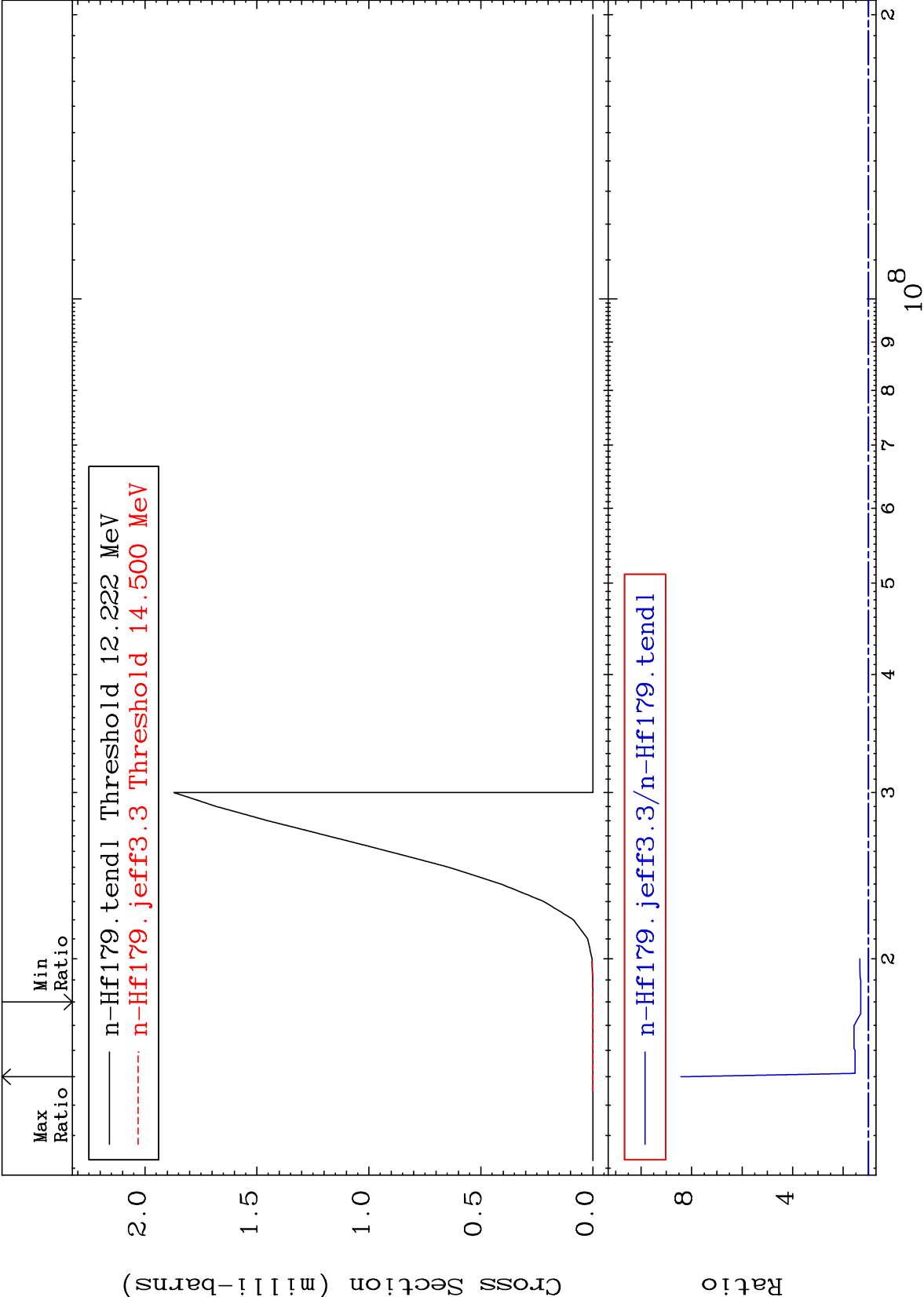
(n,n') t:71-Lu-176m1

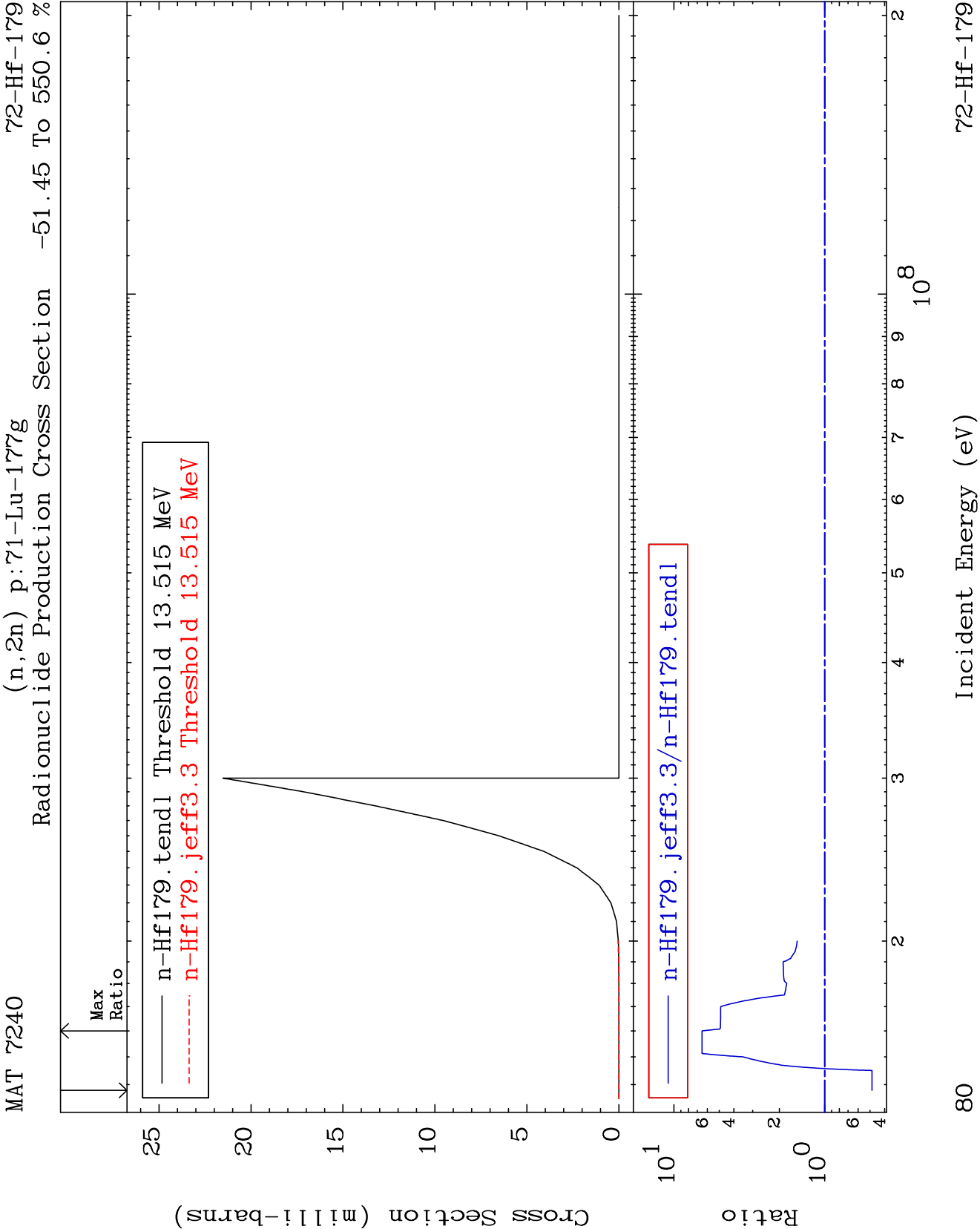
72-Hf-179

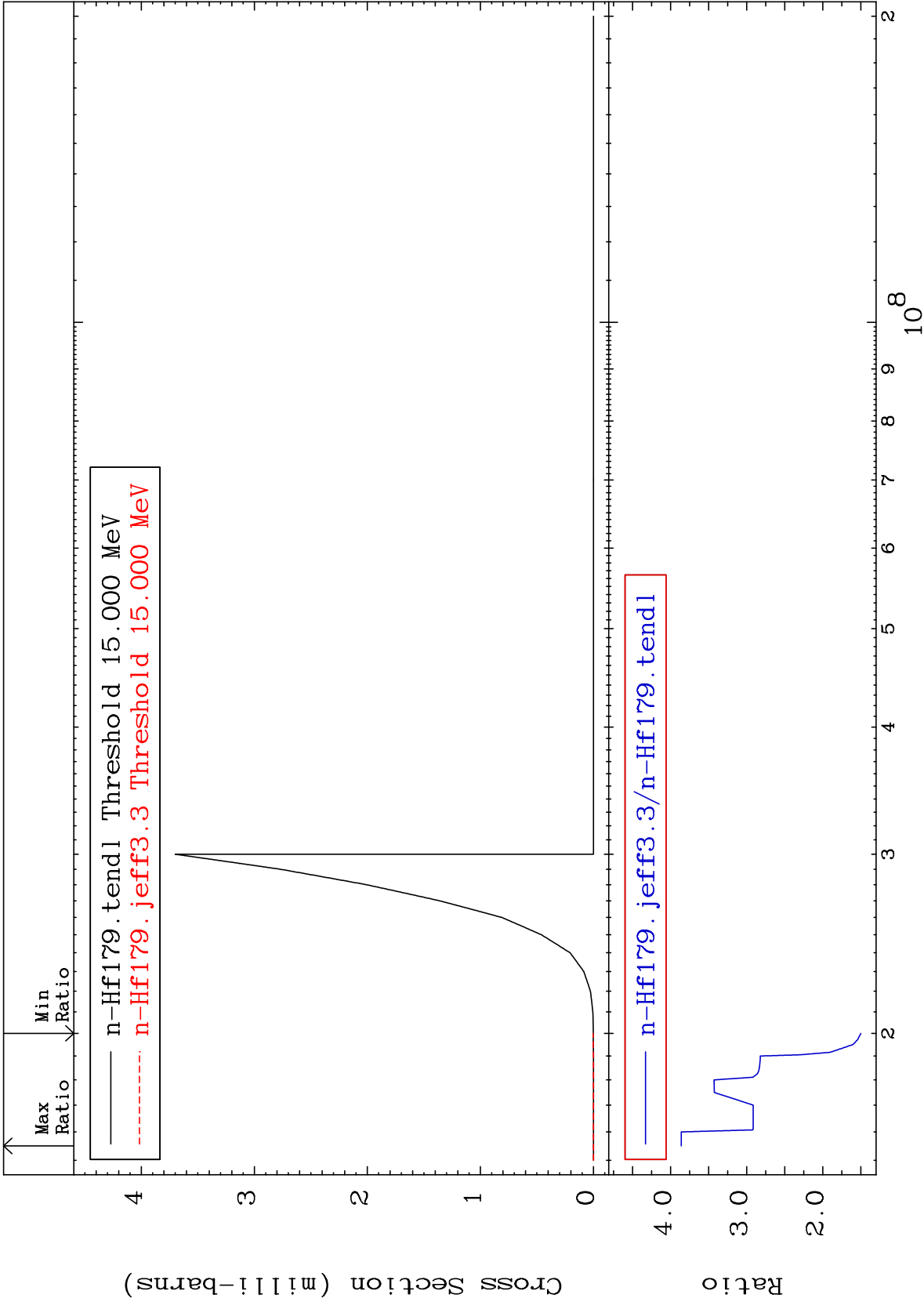
Radionuclide Production Cross Section

30.76

To 742.2 %





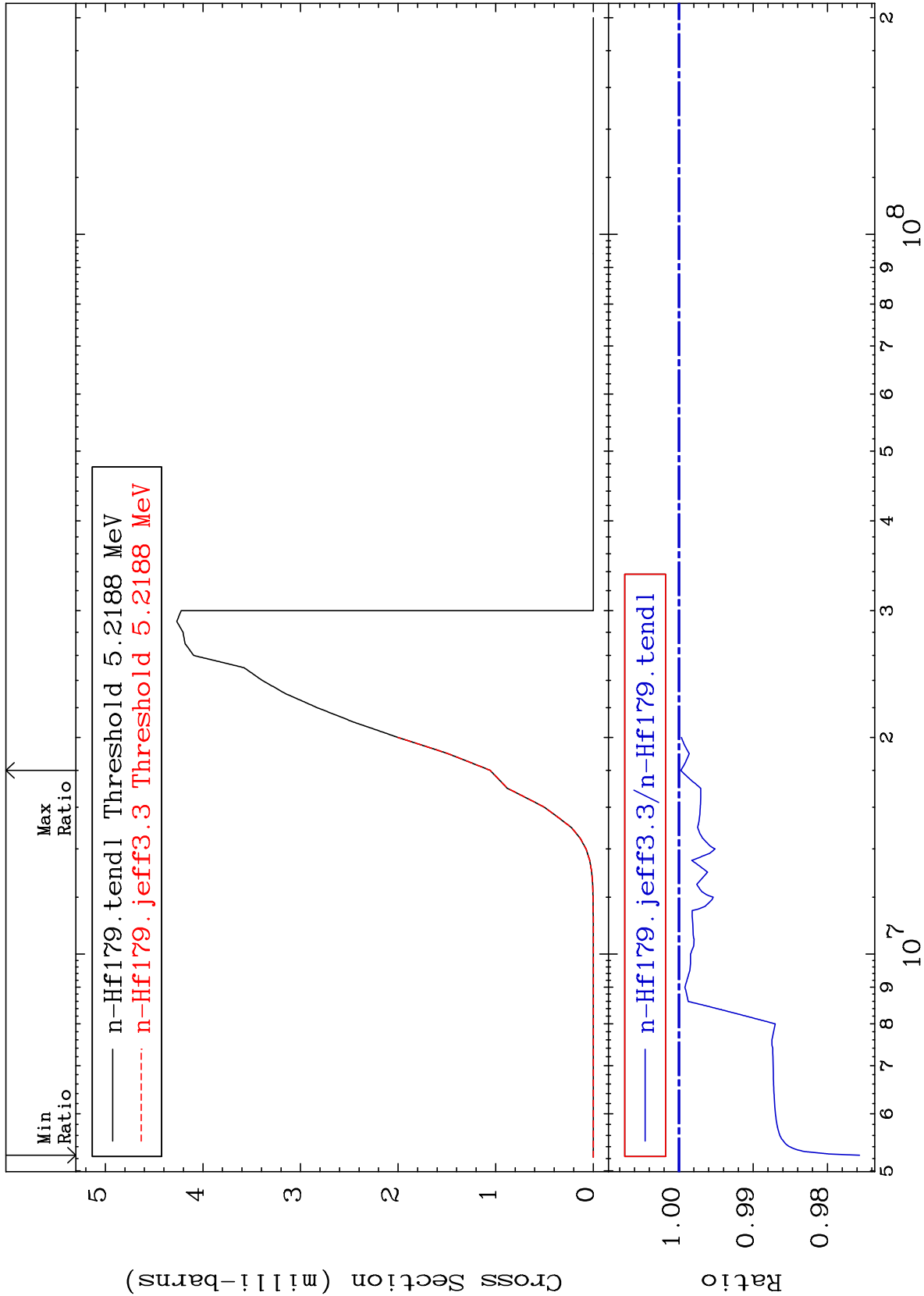


MAT 7240

(n,d):71-Lu-178g

⁷²Hf-179

Radionuclide Production Cross Section -2.433 To -0.024%



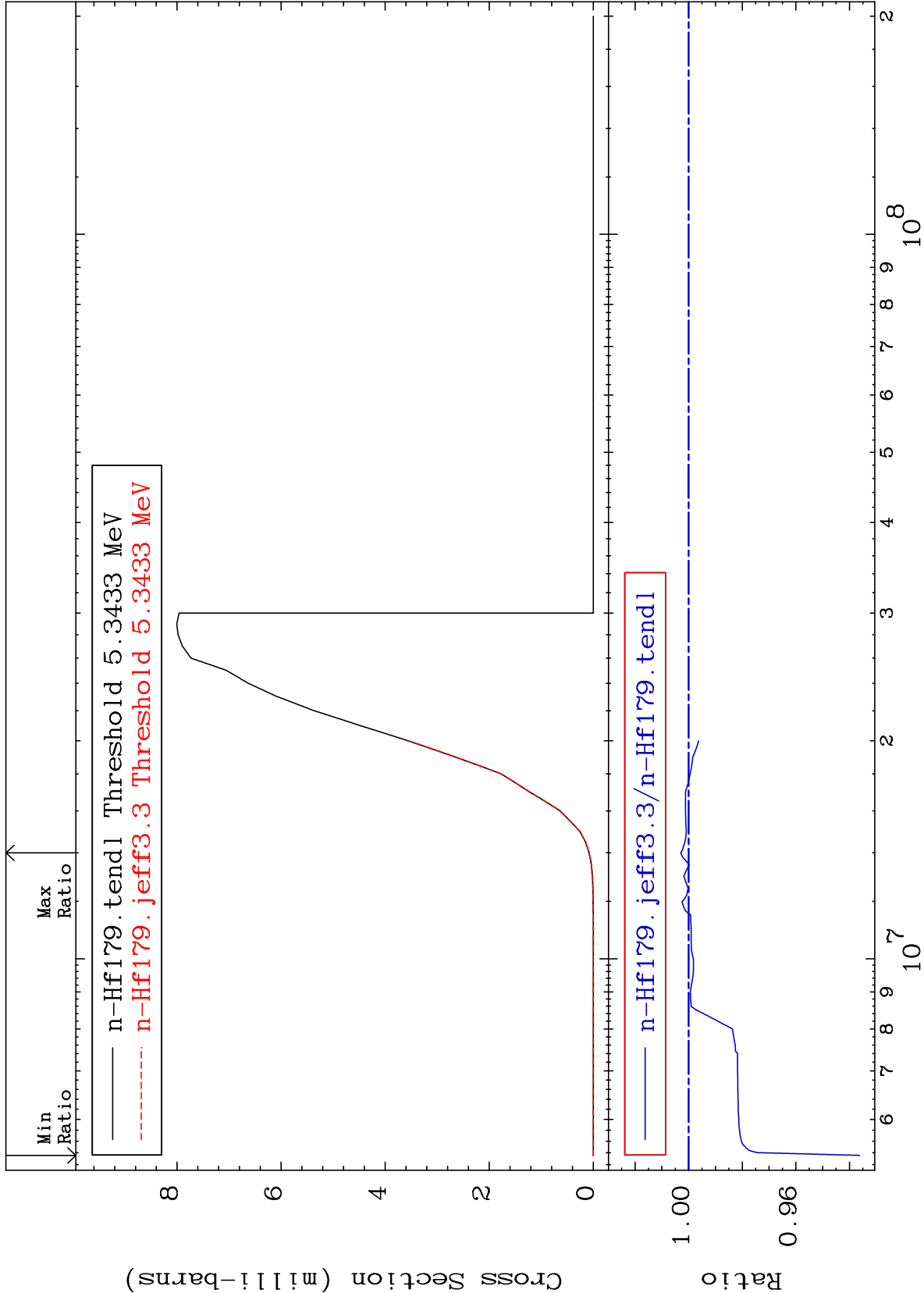
82

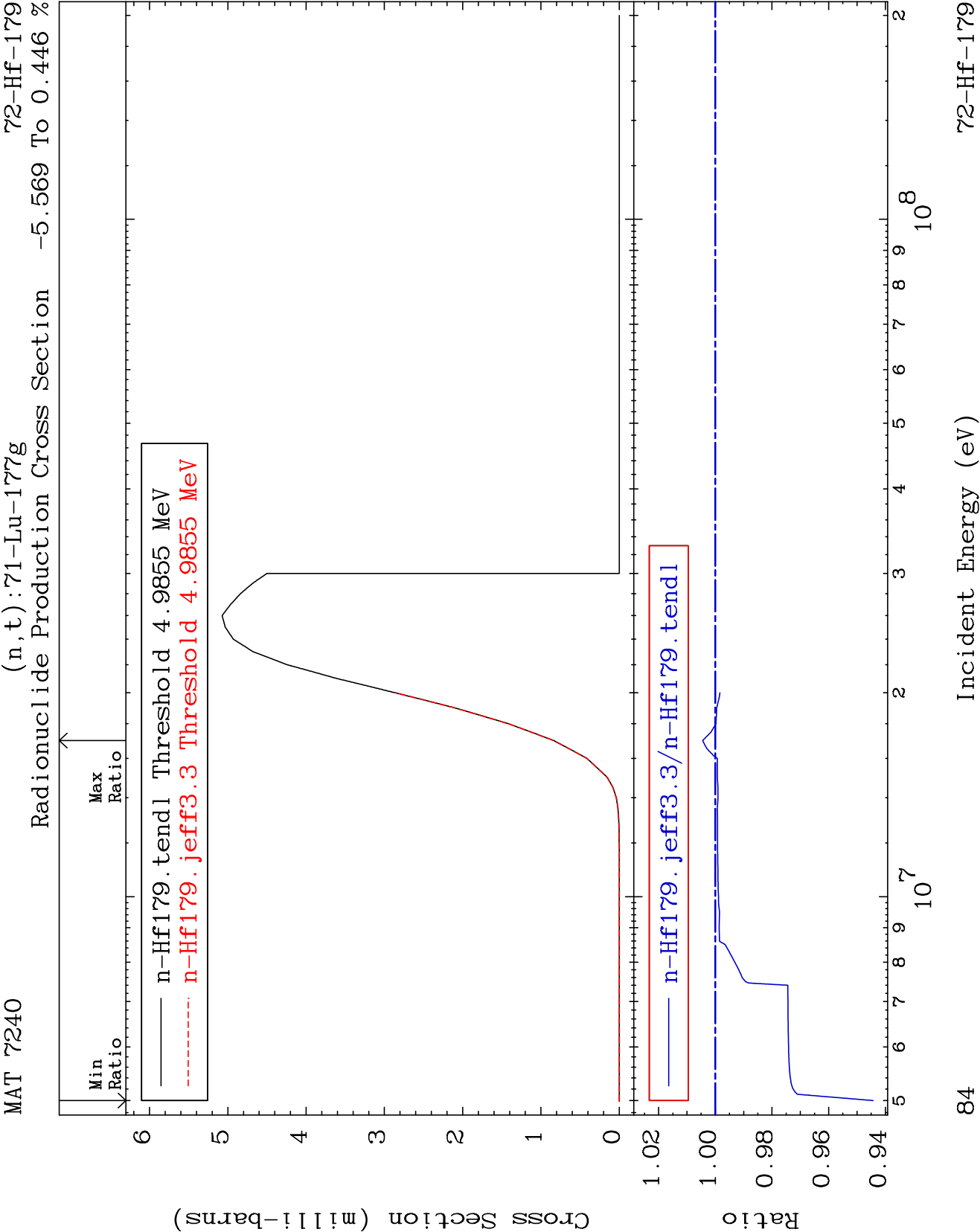
Incident Energy (eV)

⁷²Hf-179

Radionuclide Production Cross Section

-6.376 To 0.294 %





Radionuclide Production Cross Section

-0.568 To 1.087 %

