Program EVALPLOT
(Version 2021-1)
by
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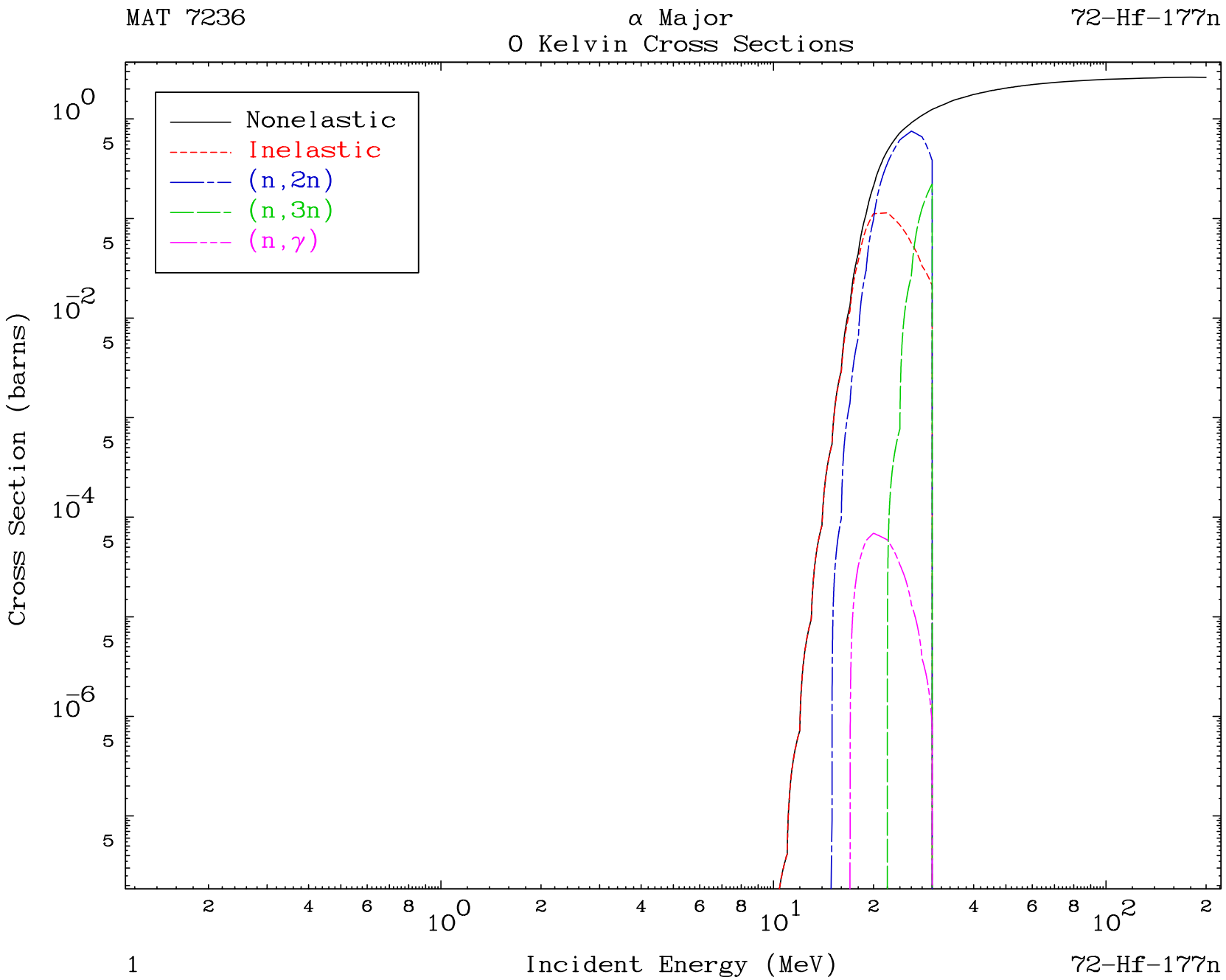
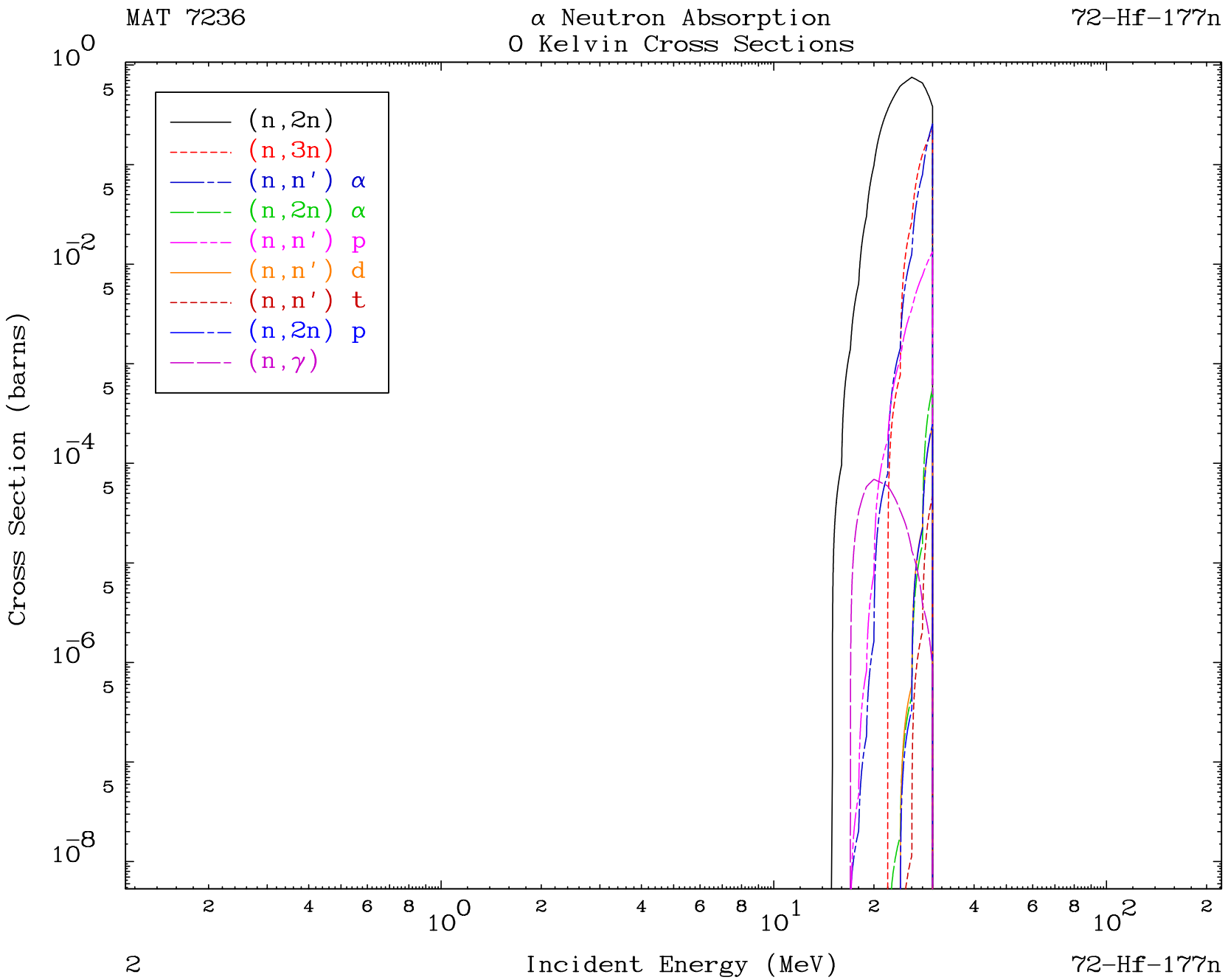
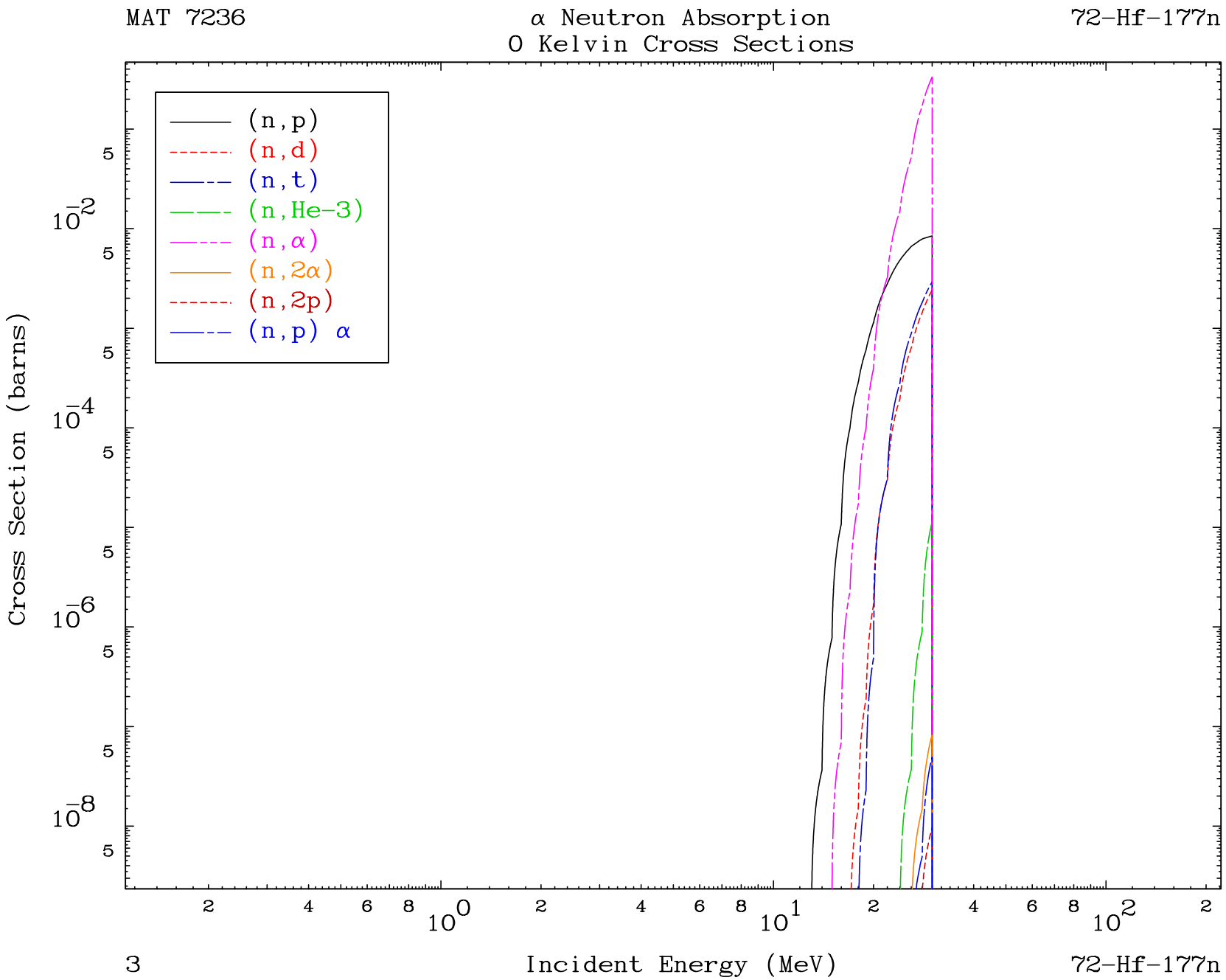
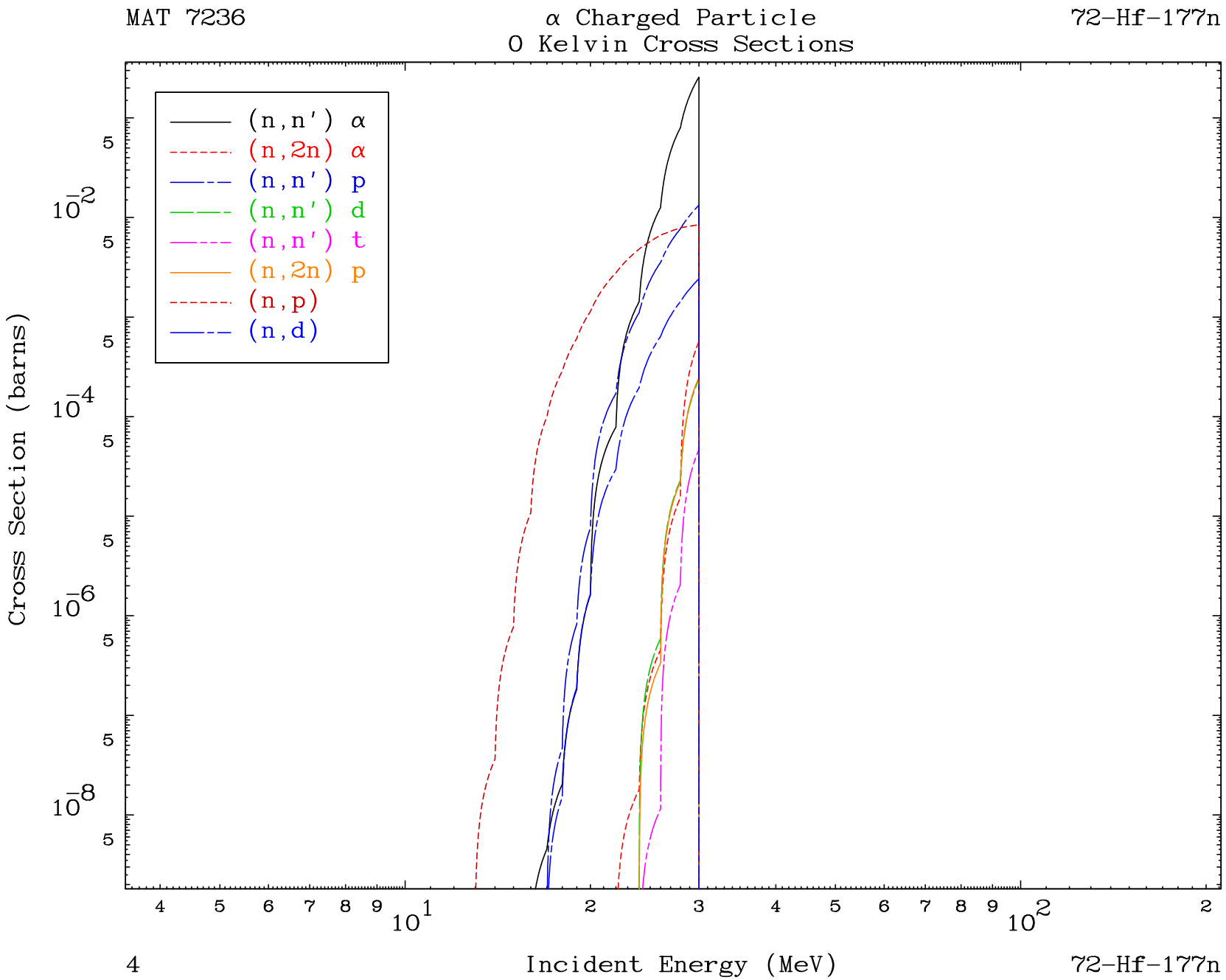
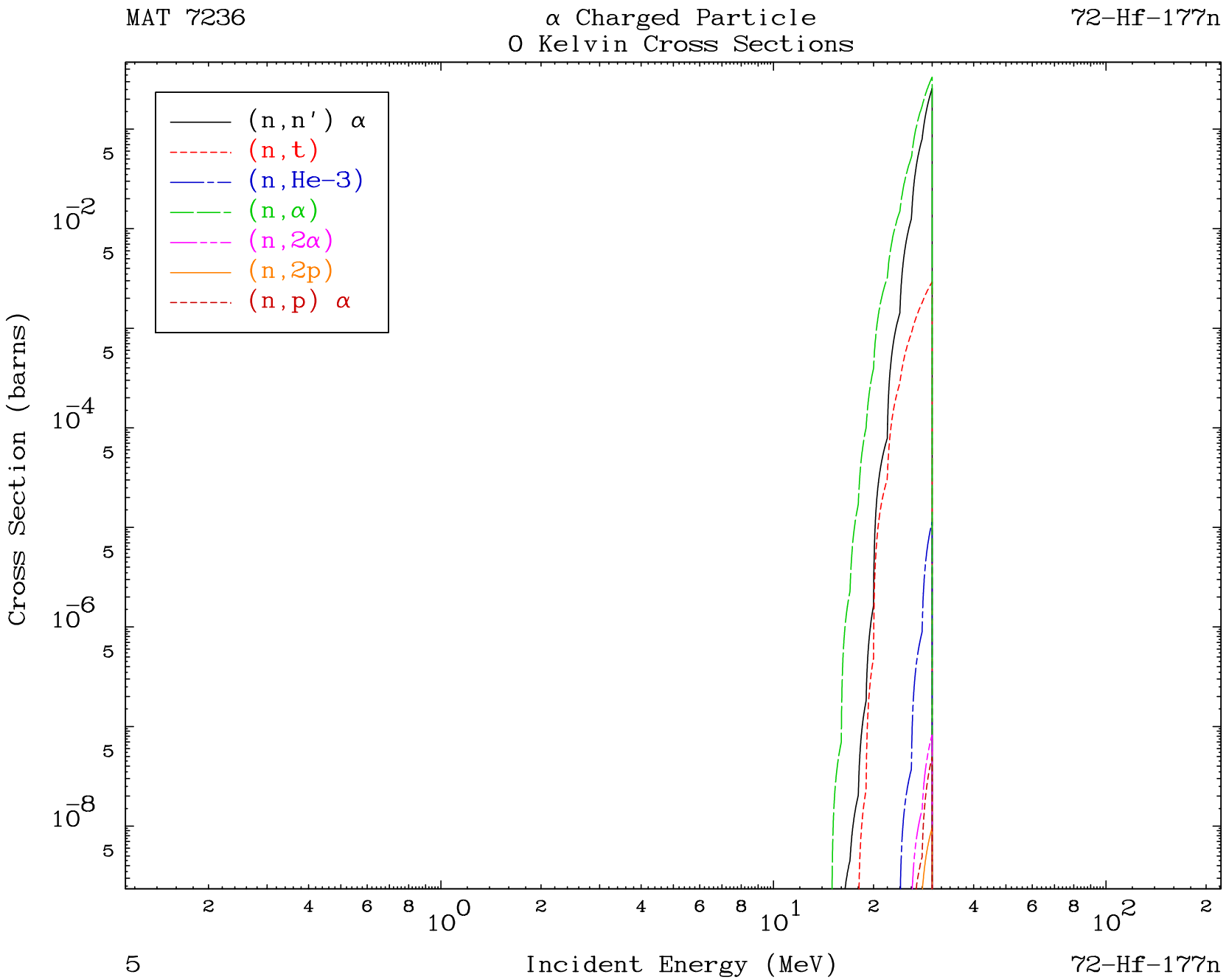
Press Mouse Button to Start

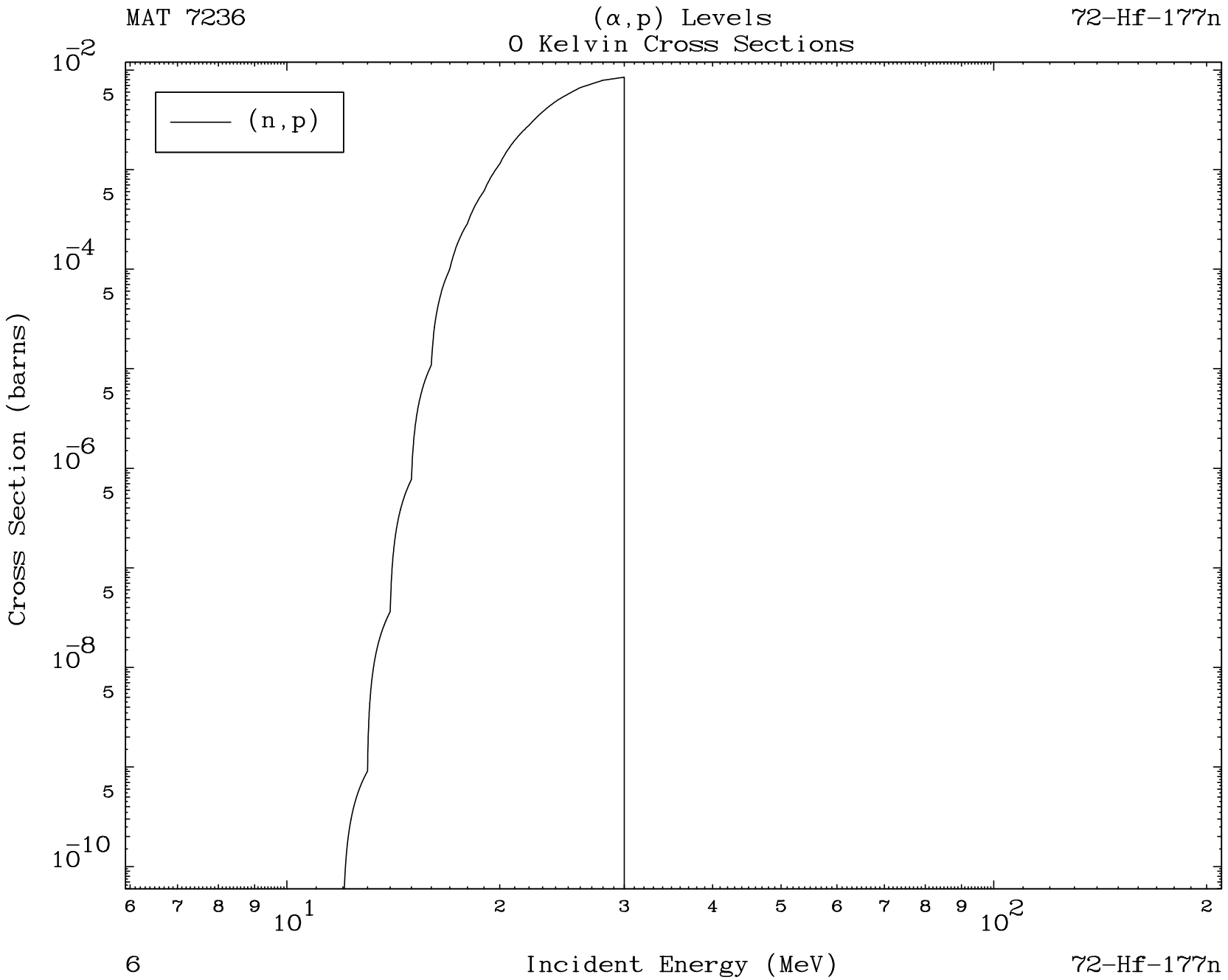

MAT 7236
α Major
72-Hf-177n
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-177n

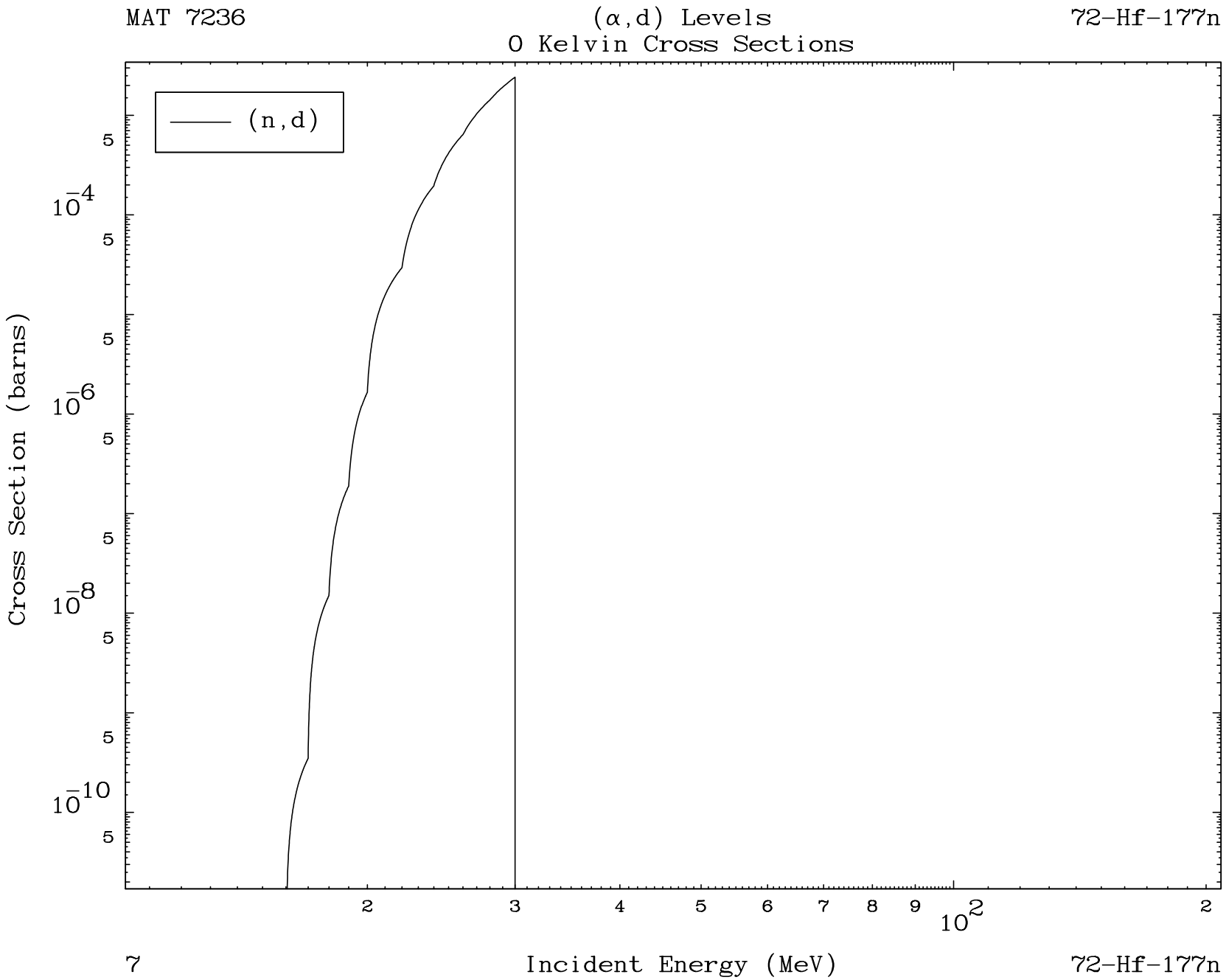

MAT 7236
α Neutron Absorption
0 Kelvin Cross Sections
72-Hf-177n
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-177n


MAT 7236
α Neutron Absorption
0 Kelvin Cross Sections
72-Hf-177n
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
3
72-Hf-177n

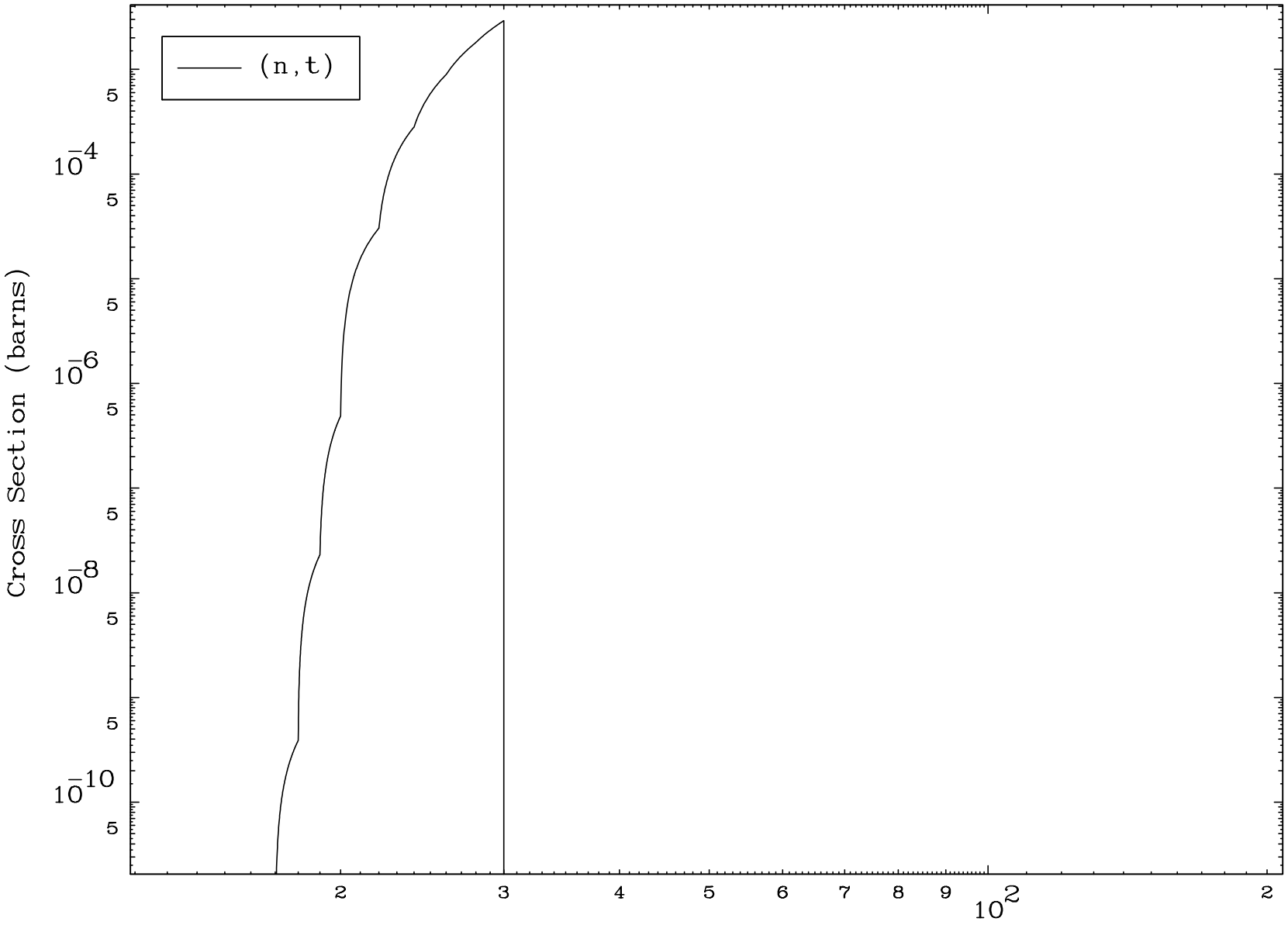

MAT 7236
α Charged Particle
0 Kelvin Cross Sections
72-Hf-177n
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-177n
4

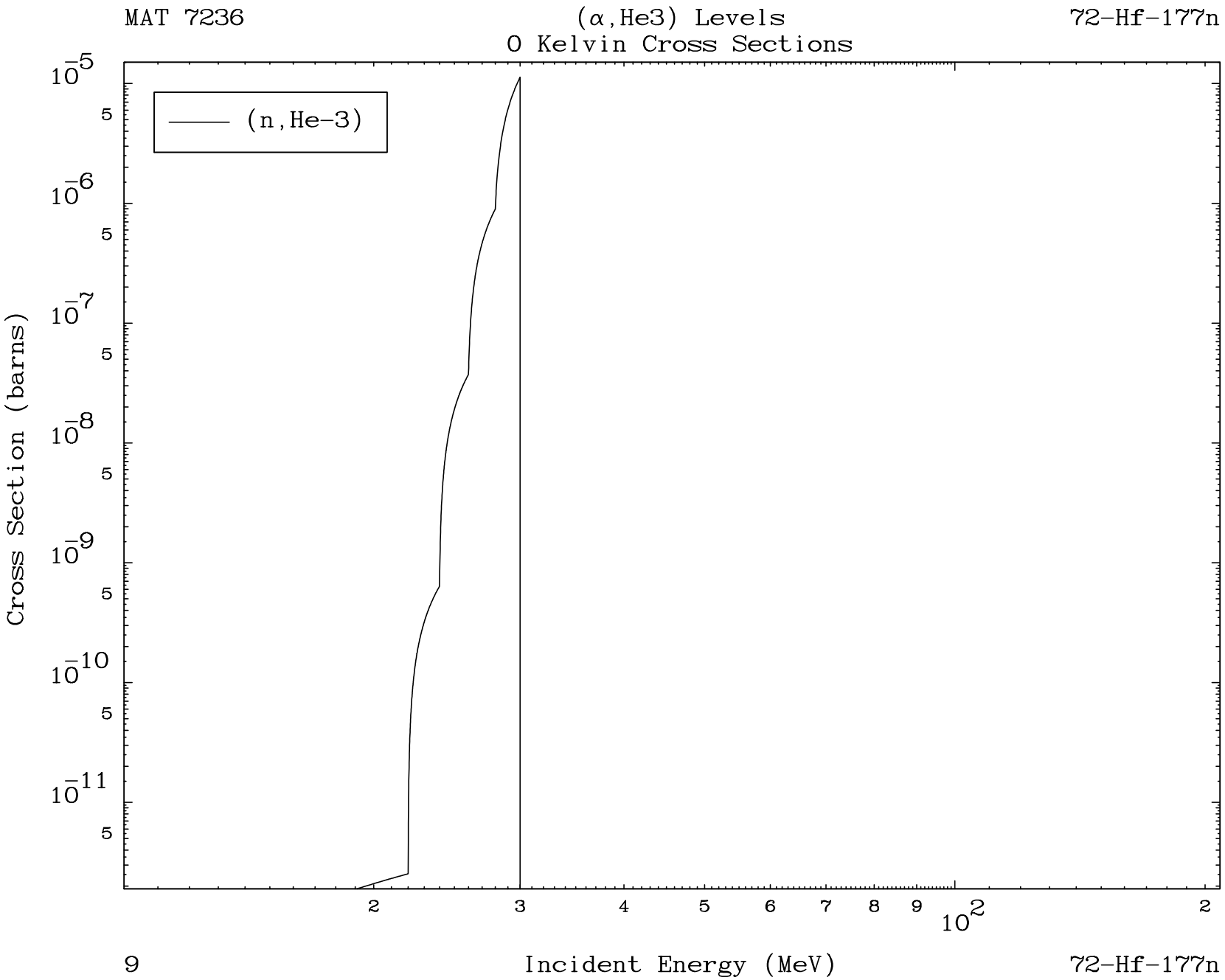

MAT 7236
α Charged Particle
0 Kelvin Cross Sections
72-Hf-177n
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
72-Hf-177n
5

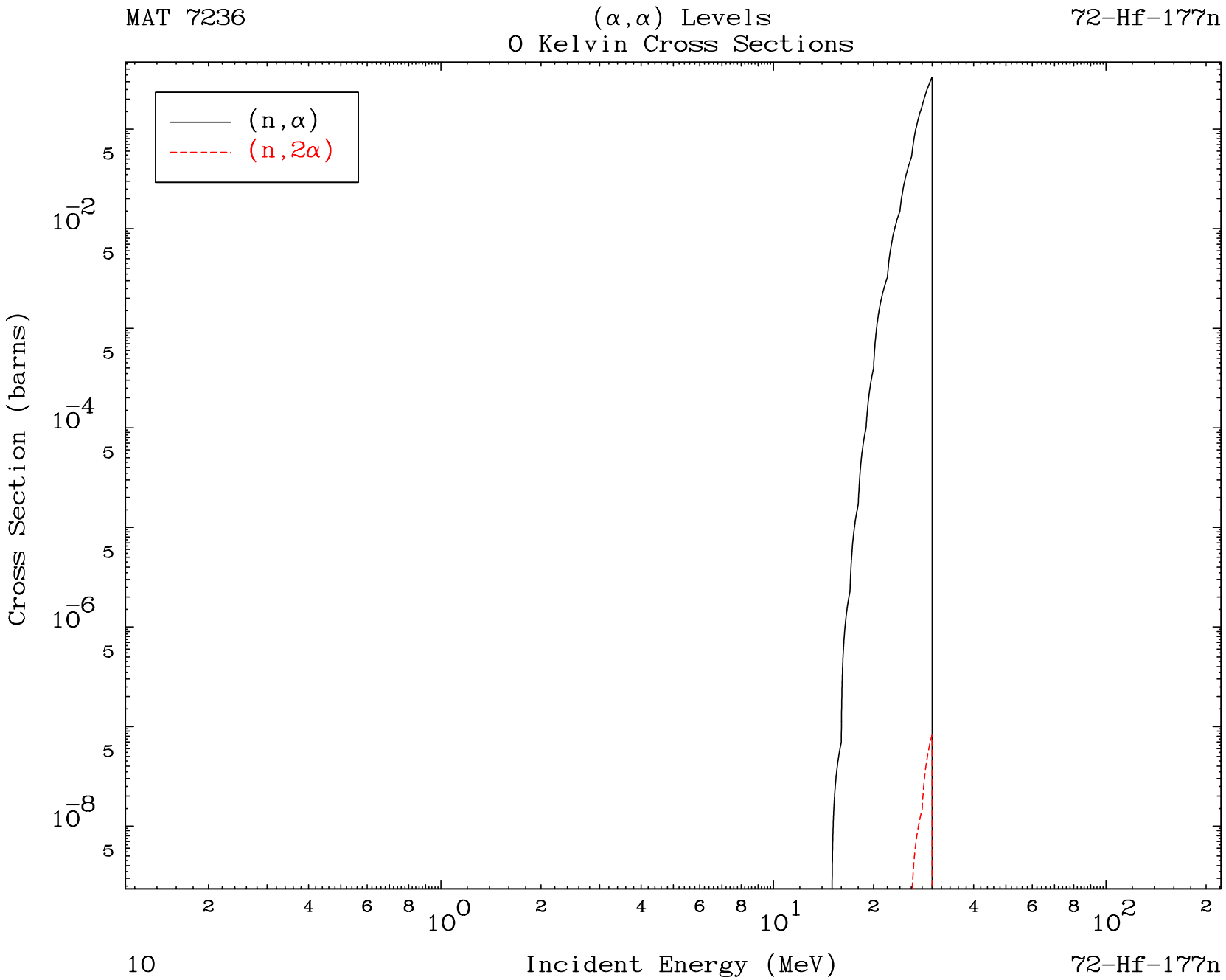

MAT 7236
(α,p) Levels
72-Hf-177n
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-177n
6

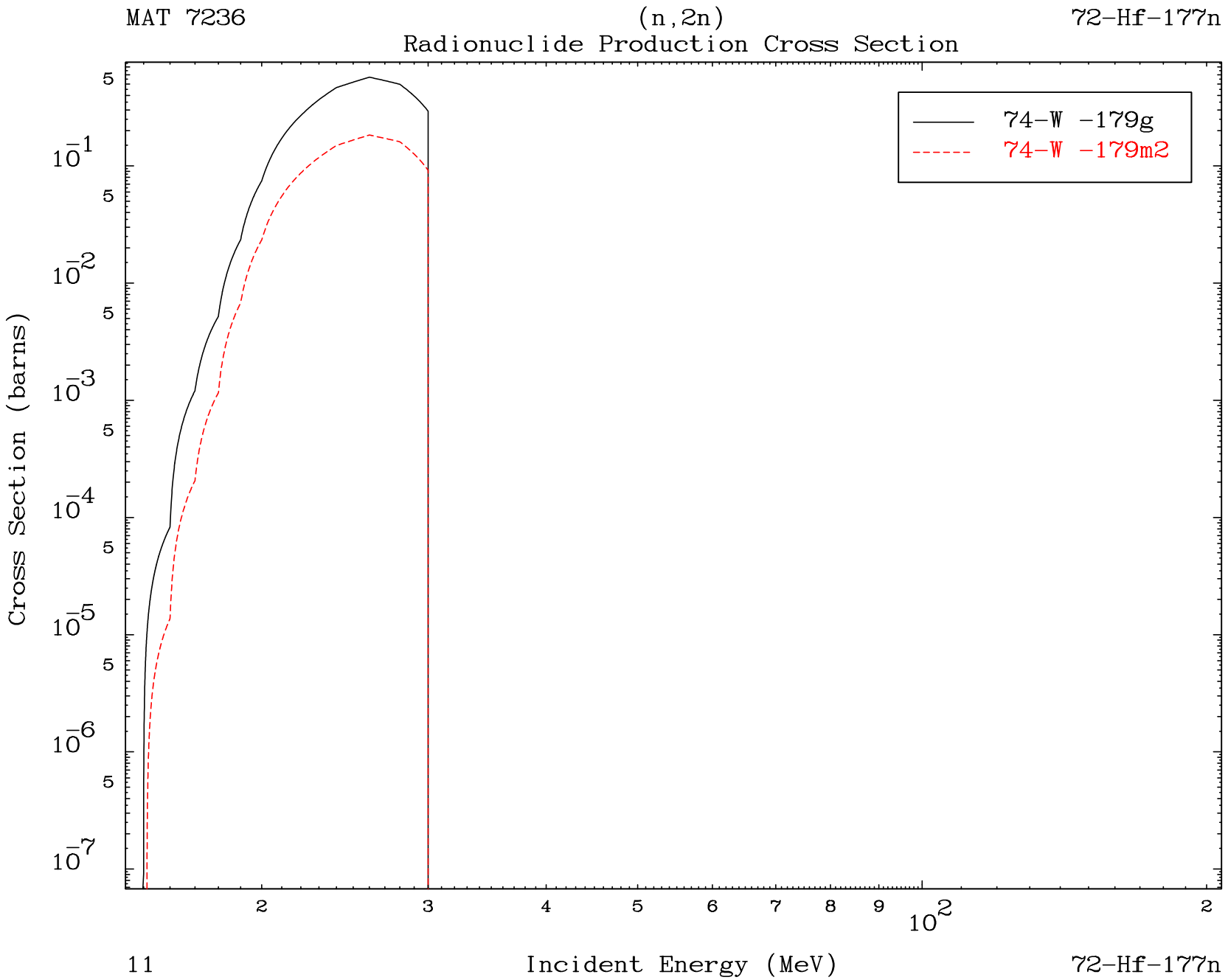

MAT 7236
(α,d) Levels
72-Hf-177n
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
72-Hf-177n

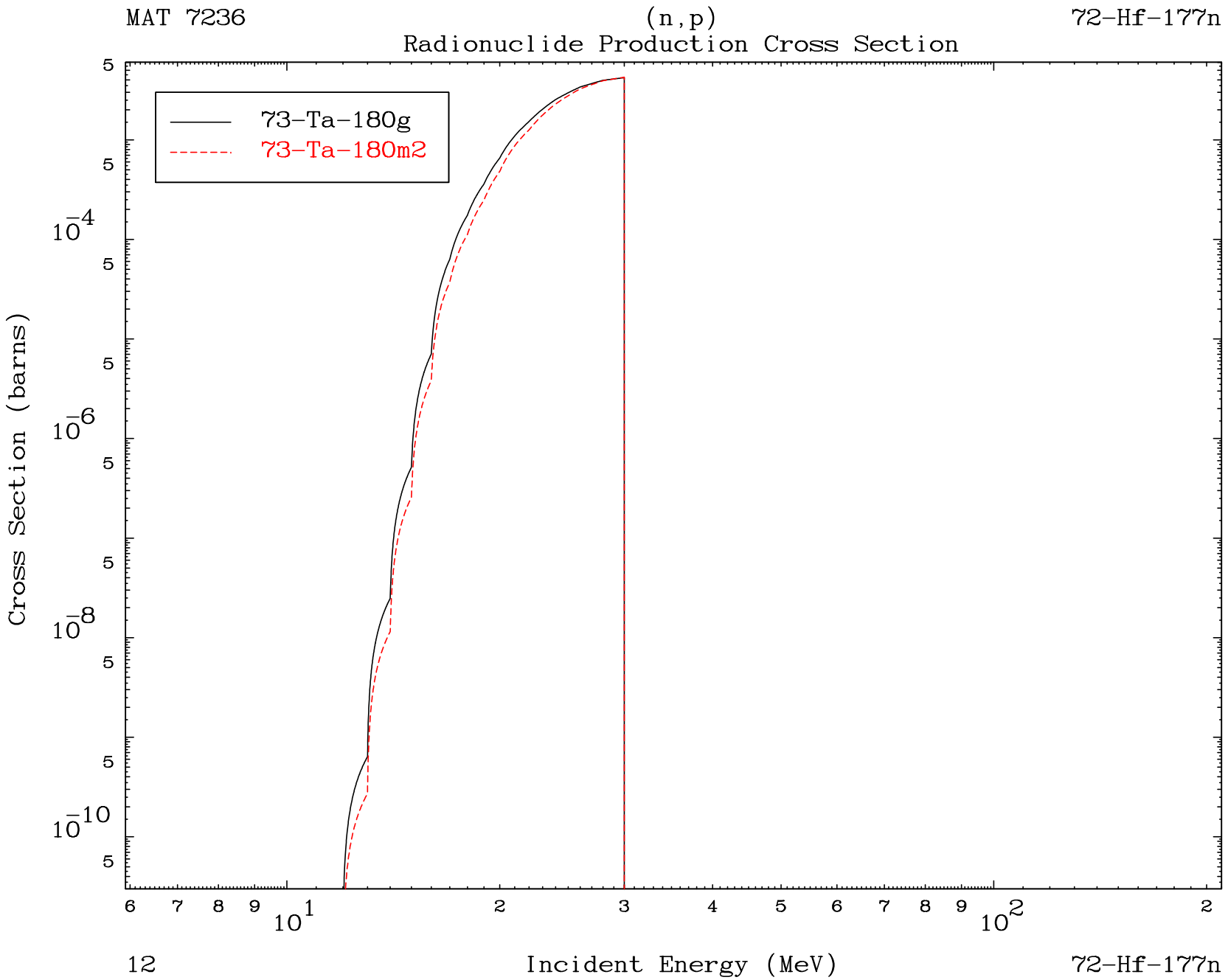
0 Kelvin Cross Sections

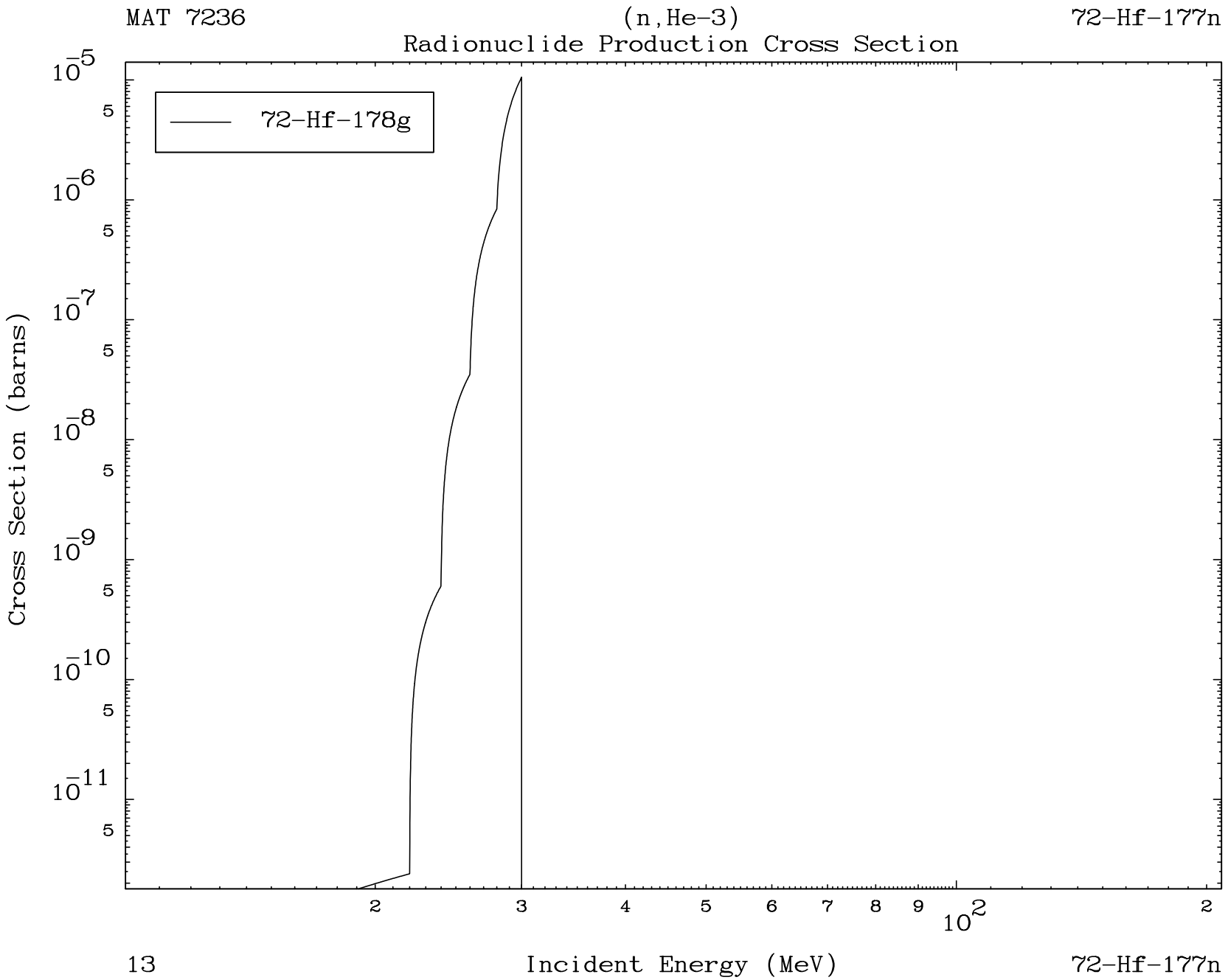


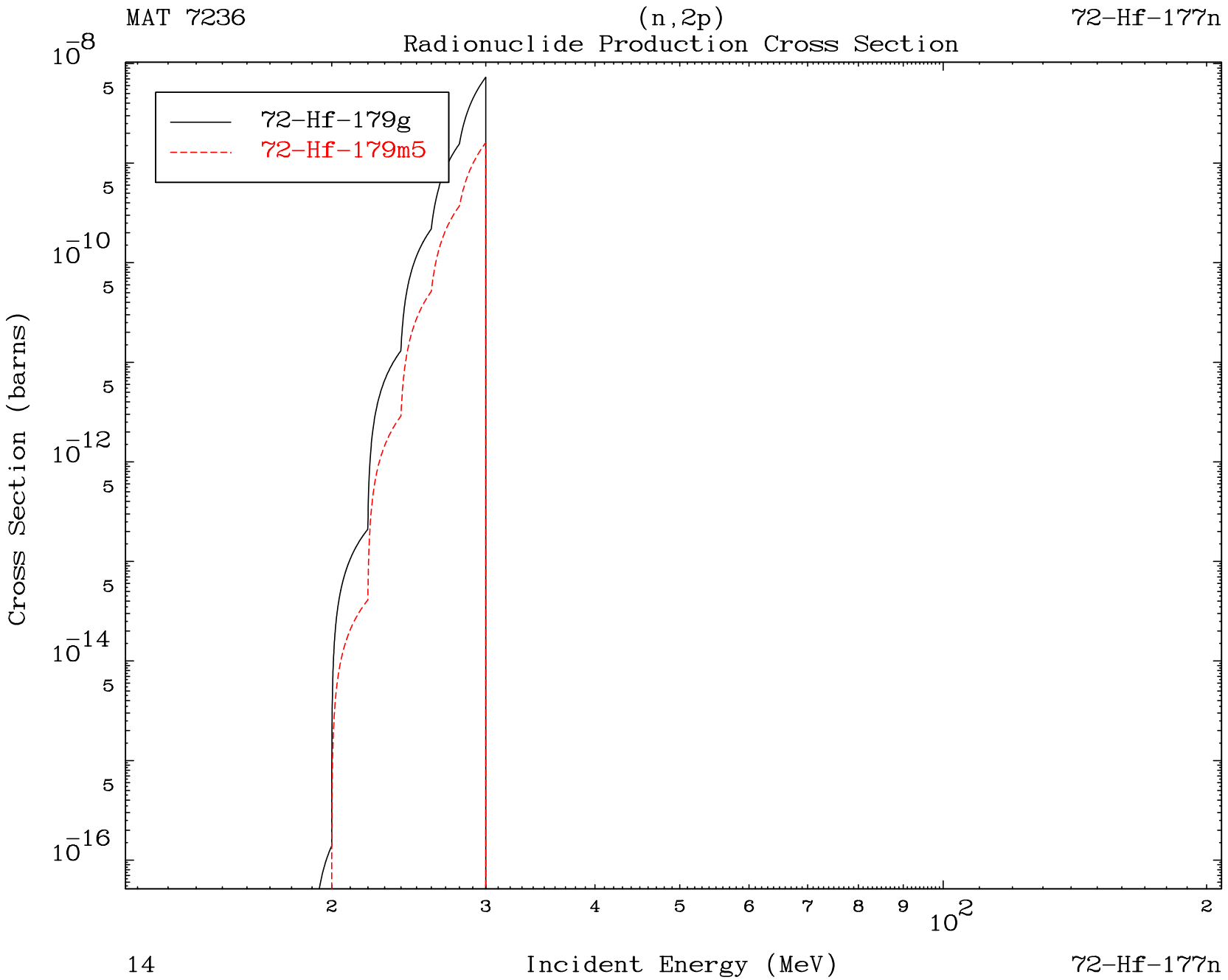

MAT 7236
(α,He3) Levels
72-Hf-177n
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-5
10-6
10-7
10-8
10-9
10-10
10-11
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
9
72-Hf-177n

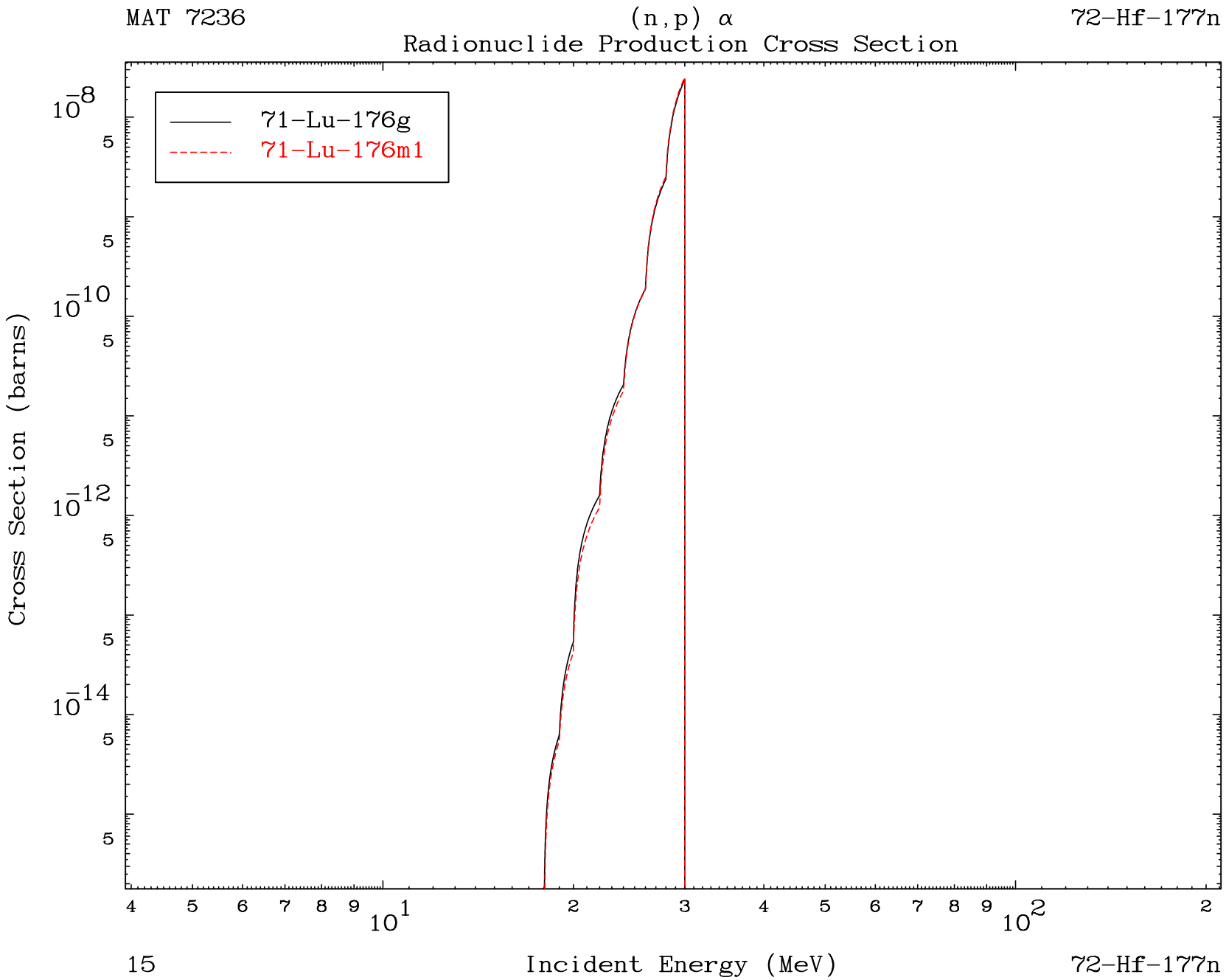

MAT 7236
(α,α) Levels
72-Hf-177n
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
10
Incident Energy (MeV)
72-Hf-177n


MAT 7236
(n,2n)
72-Hf-177n
Radionuclide Production Cross Section
74-W -179g
74-W -179m2
Cross Section (barns)
Incident Energy (MeV)
11
72-Hf-177n


MAT 7236
(n,p)
72-Hf-177n
Radionuclide Production Cross Section
73-Ta-180g
73-Ta-180m2
Cross Section (barns)
Incident Energy (MeV)
12
72-Hf-177n


MAT 7236
(n,He-3)
72-Hf-177n
Radionuclide Production Cross Section
72-Hf-178g
Cross Section (barns)
10^-5
10^-6
10^-7
10^-8
10^-9
10^-10
10^-11
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
72-Hf-177n


MAT 7236
(n,2p)
72-Hf-177n
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
Cross Section (barns)
Incident Energy (MeV)
14
72-Hf-177n


MAT 7236
(n,p) α
72-Hf-177n
Radionuclide Production Cross Section
71-Lu-176g
71-Lu-176m1
Cross Section (barns)
Incident Energy (MeV)
15
72-Hf-177n