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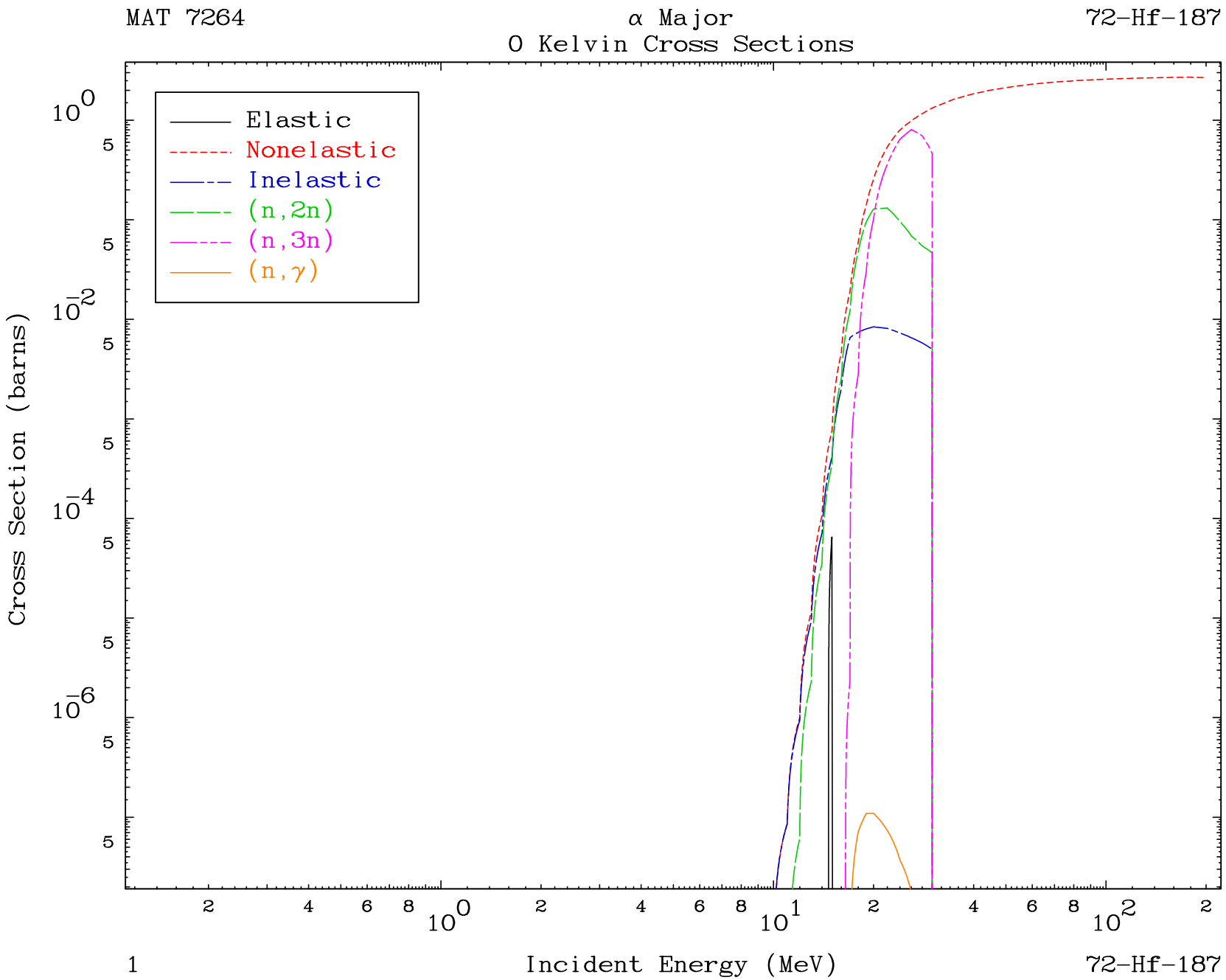
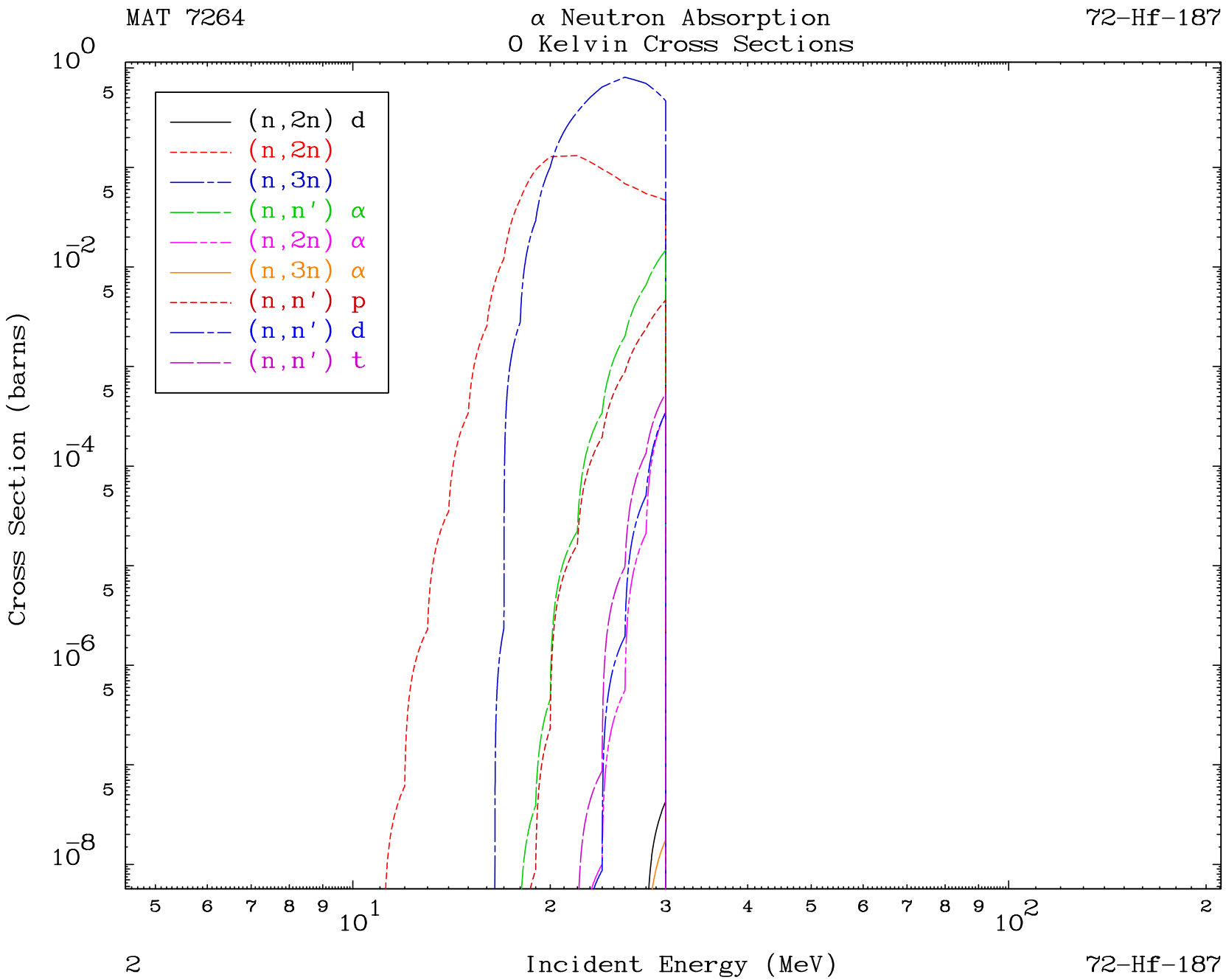
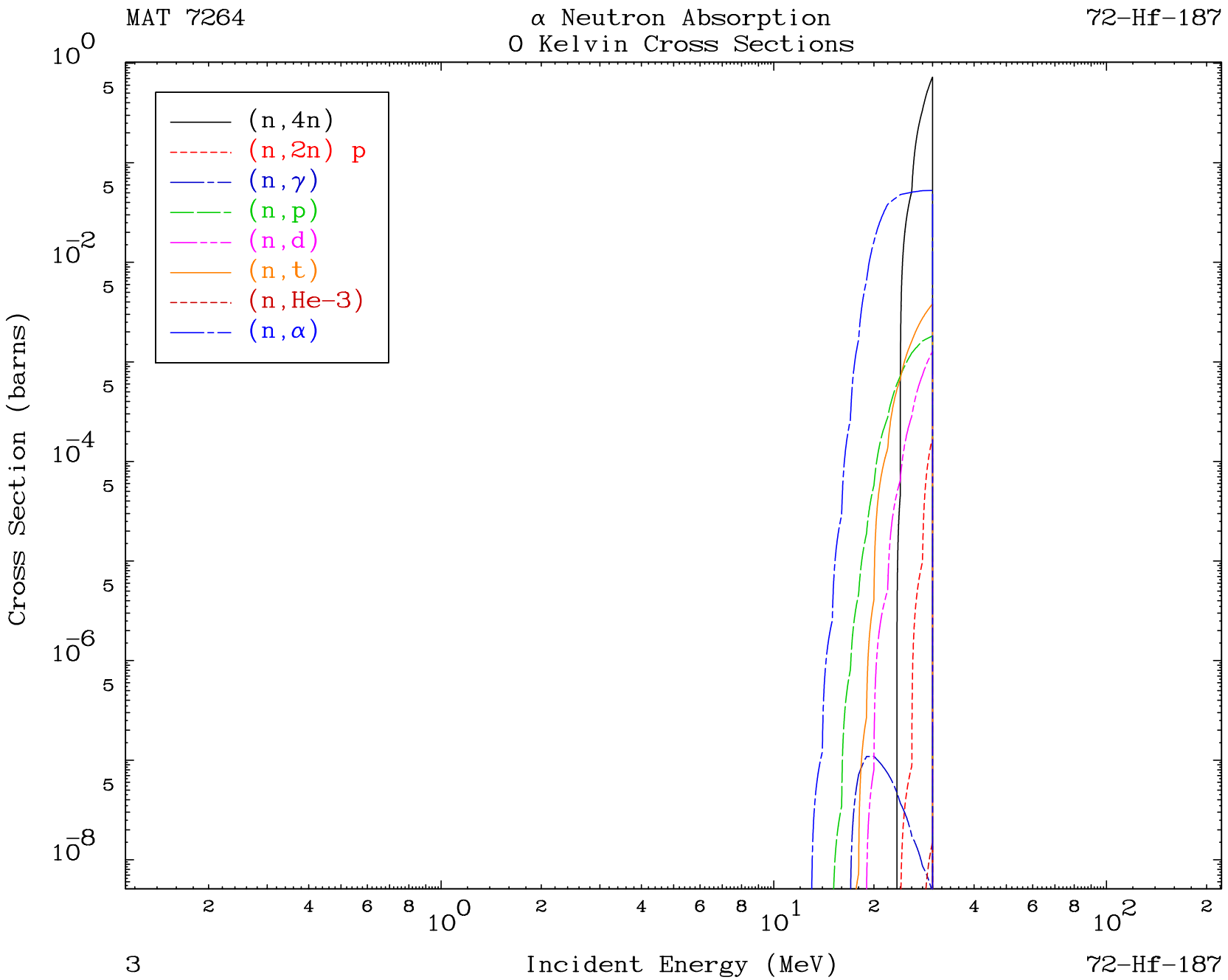
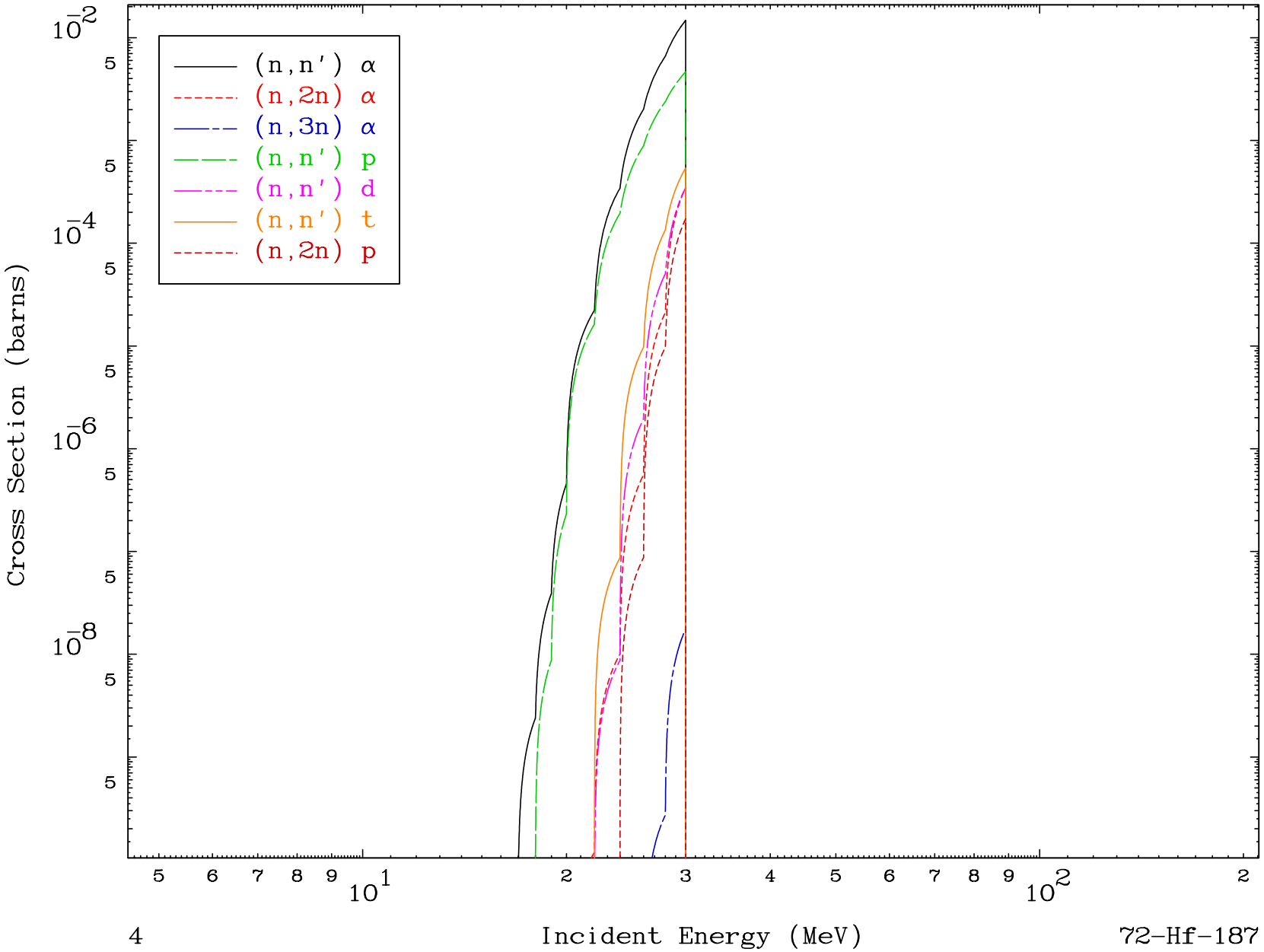
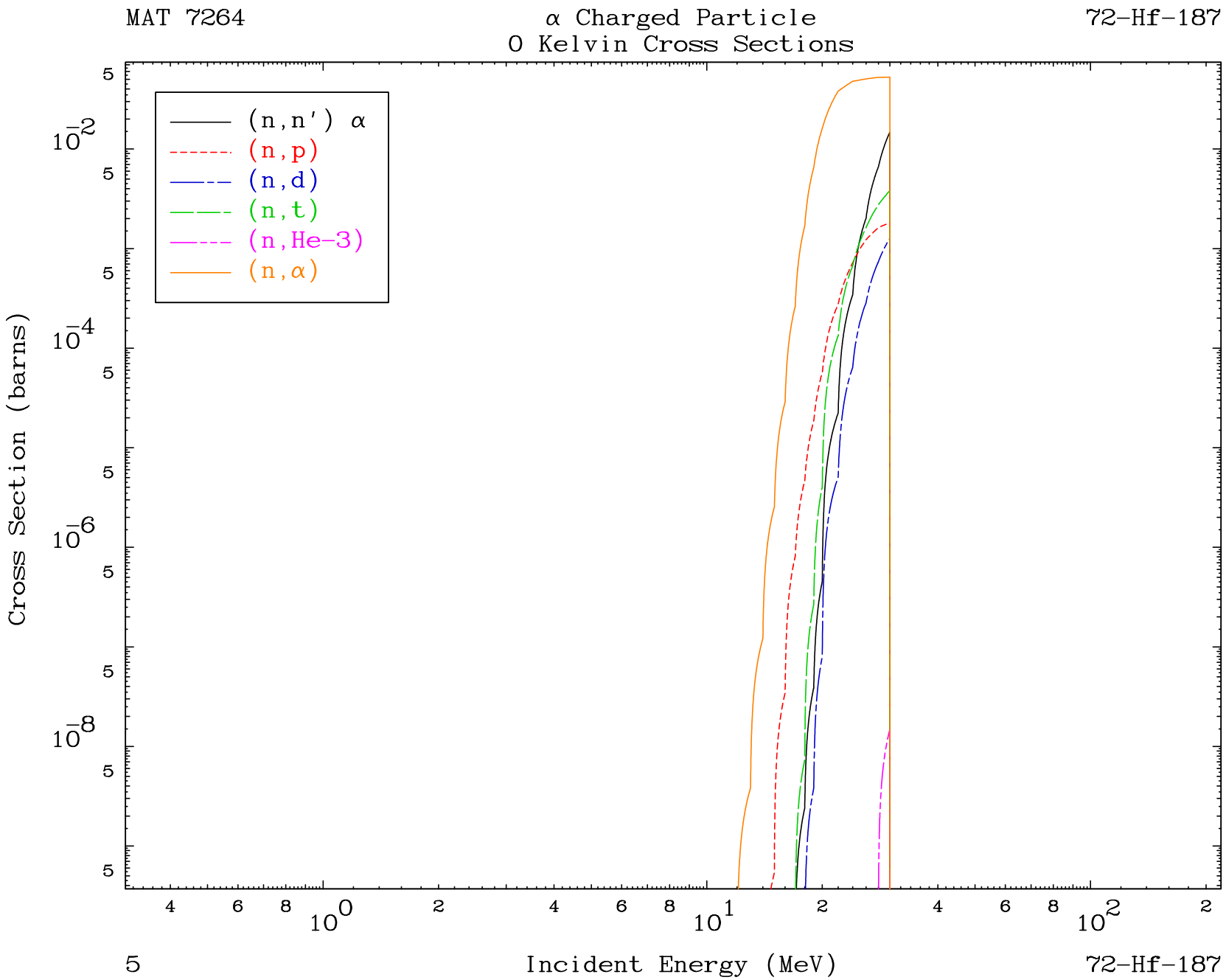
Press Mouse Button to Start

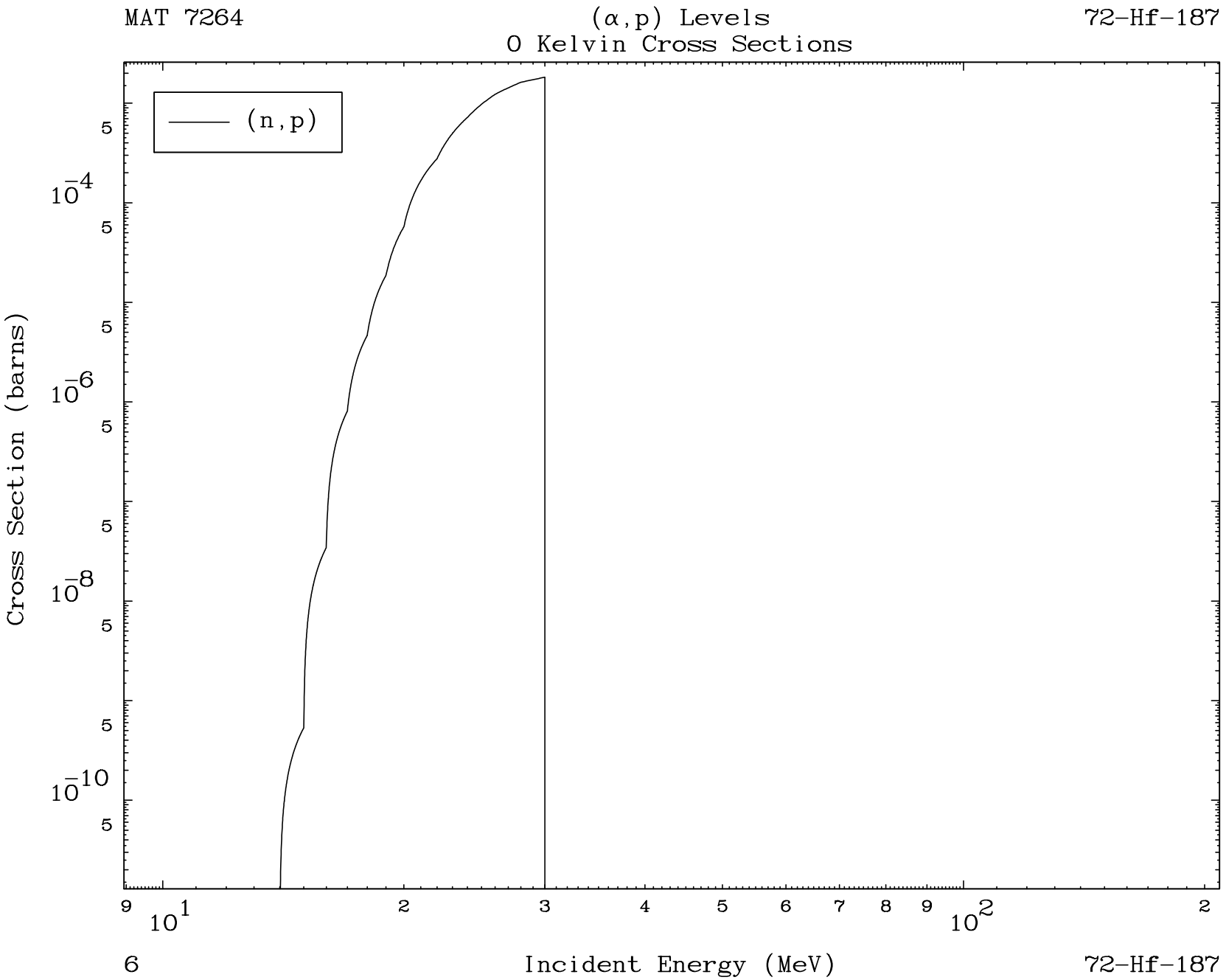

MAT 7264
α Major
72-Hf-187
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-187
1

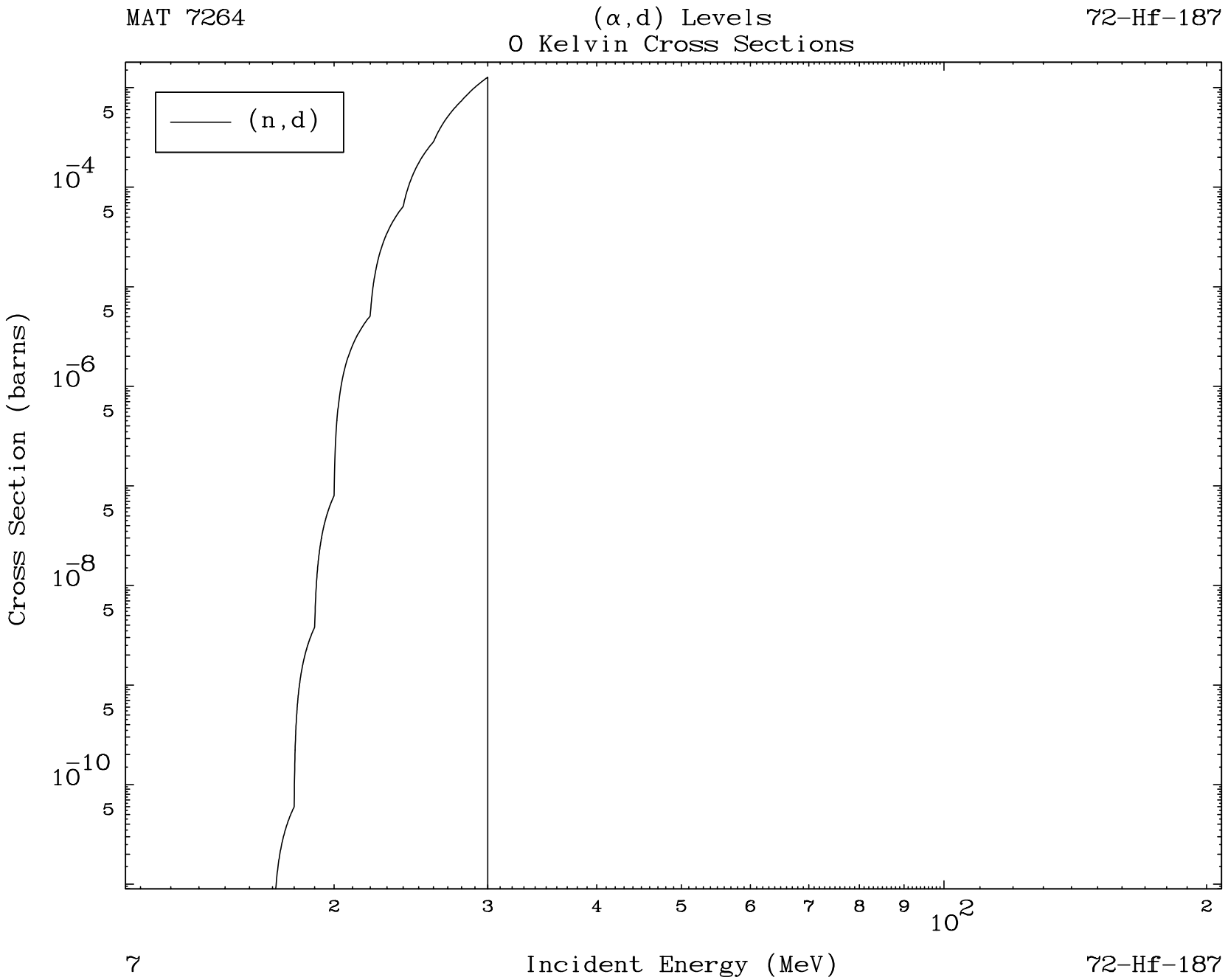

MAT 7264
α Neutron Absorption
0 Kelvin Cross Sections
72-Hf-187
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
72-Hf-187

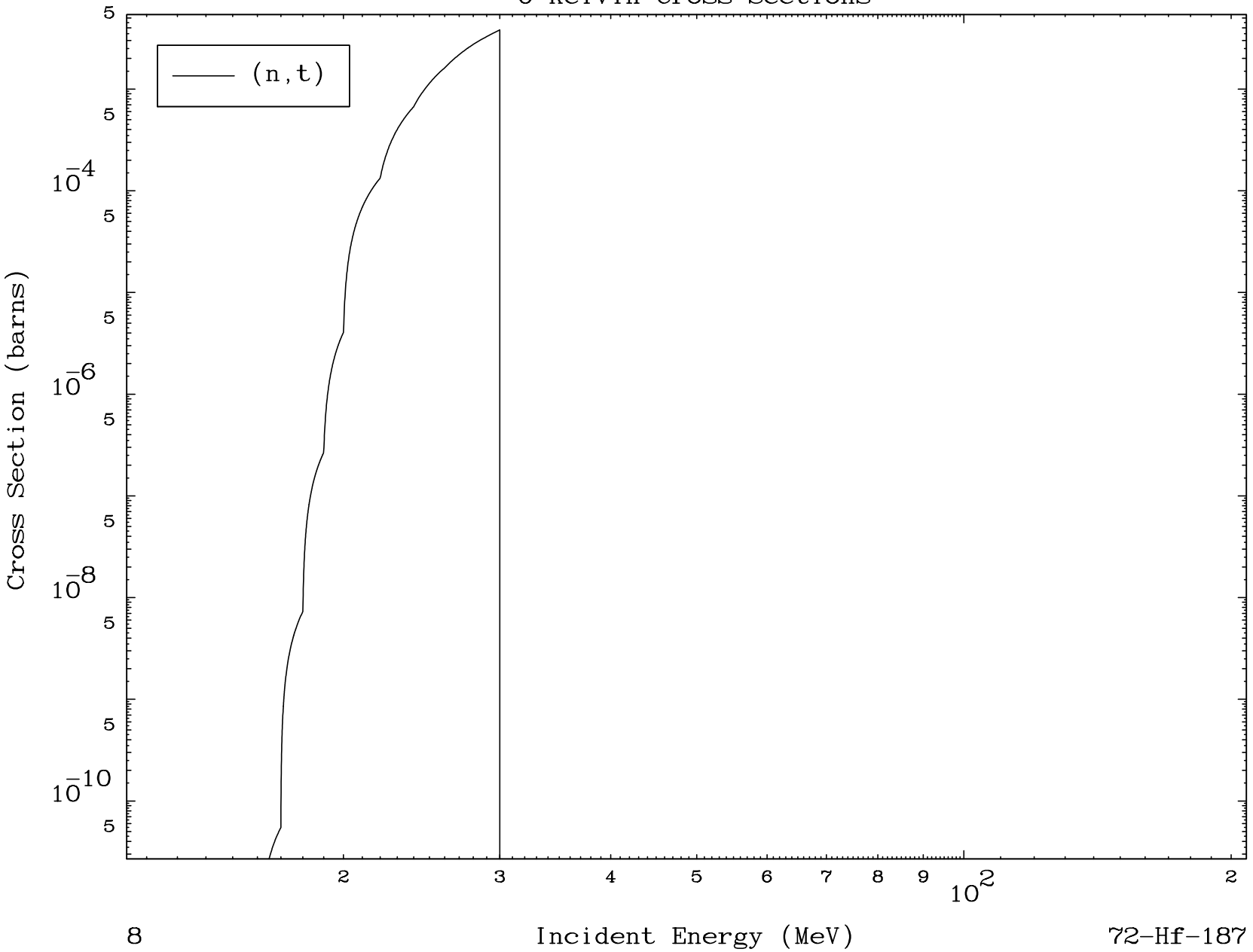

MAT 7264
α Neutron Absorption
0 Kelvin Cross Sections
72-Hf-187
(n,4n)
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
72-Hf-187


0 Kelvin Cross Sections
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)

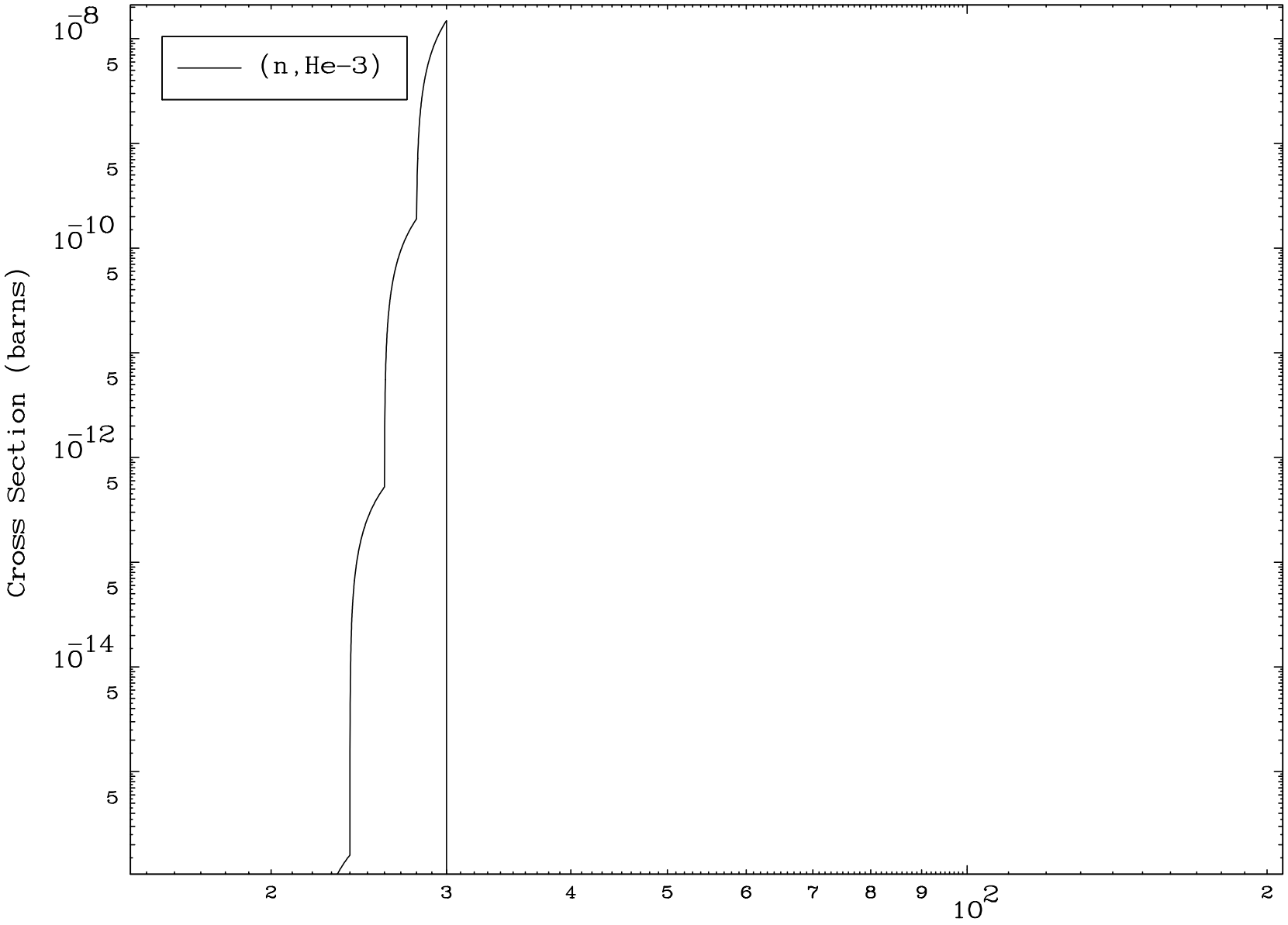

MAT 7264
α Charged Particle
0 Kelvin Cross Sections
72-Hf-187
(n,n') α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-187

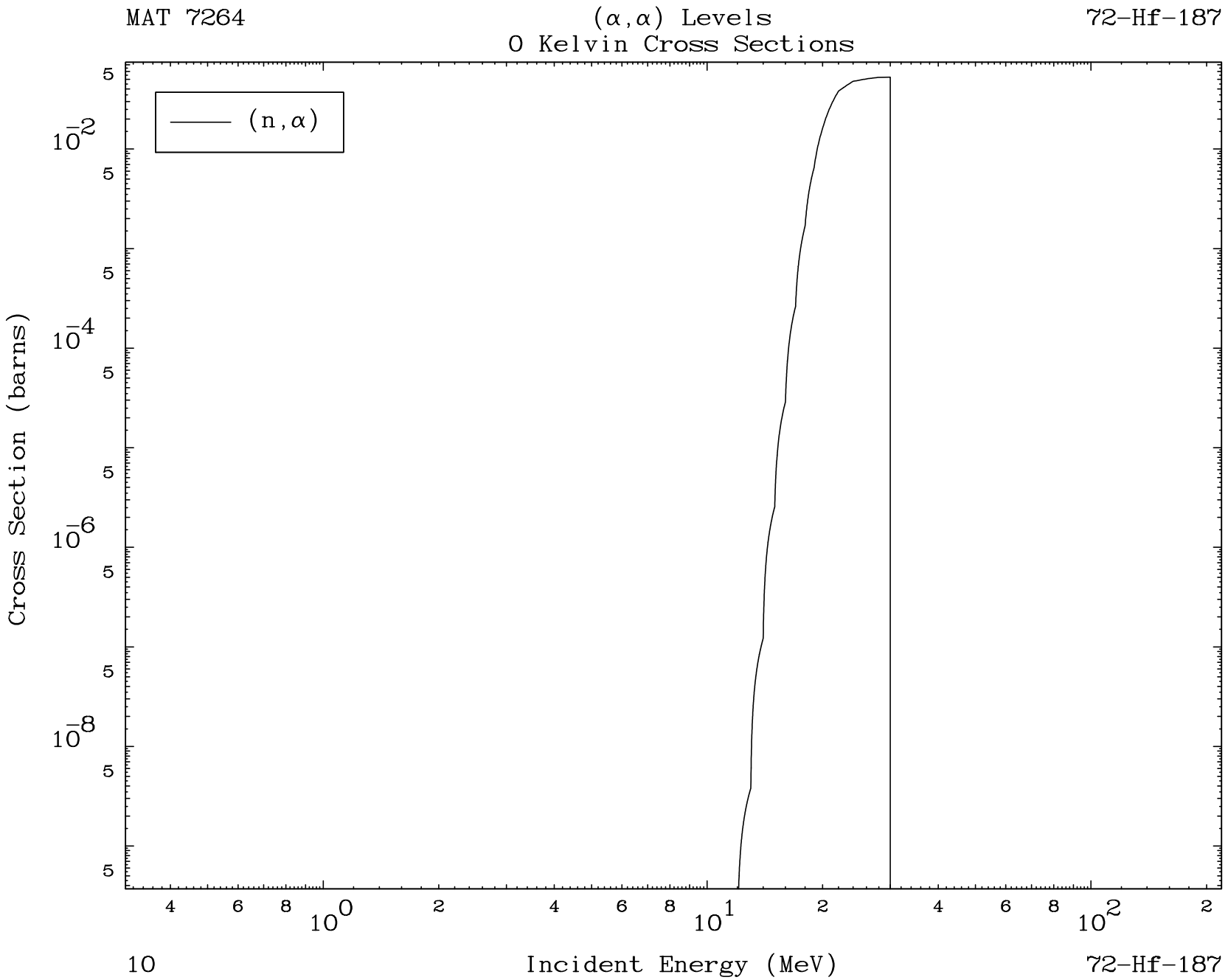

MAT 7264
(α,p) Levels
72-Hf-187
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10 1
10 2
72-Hf-187

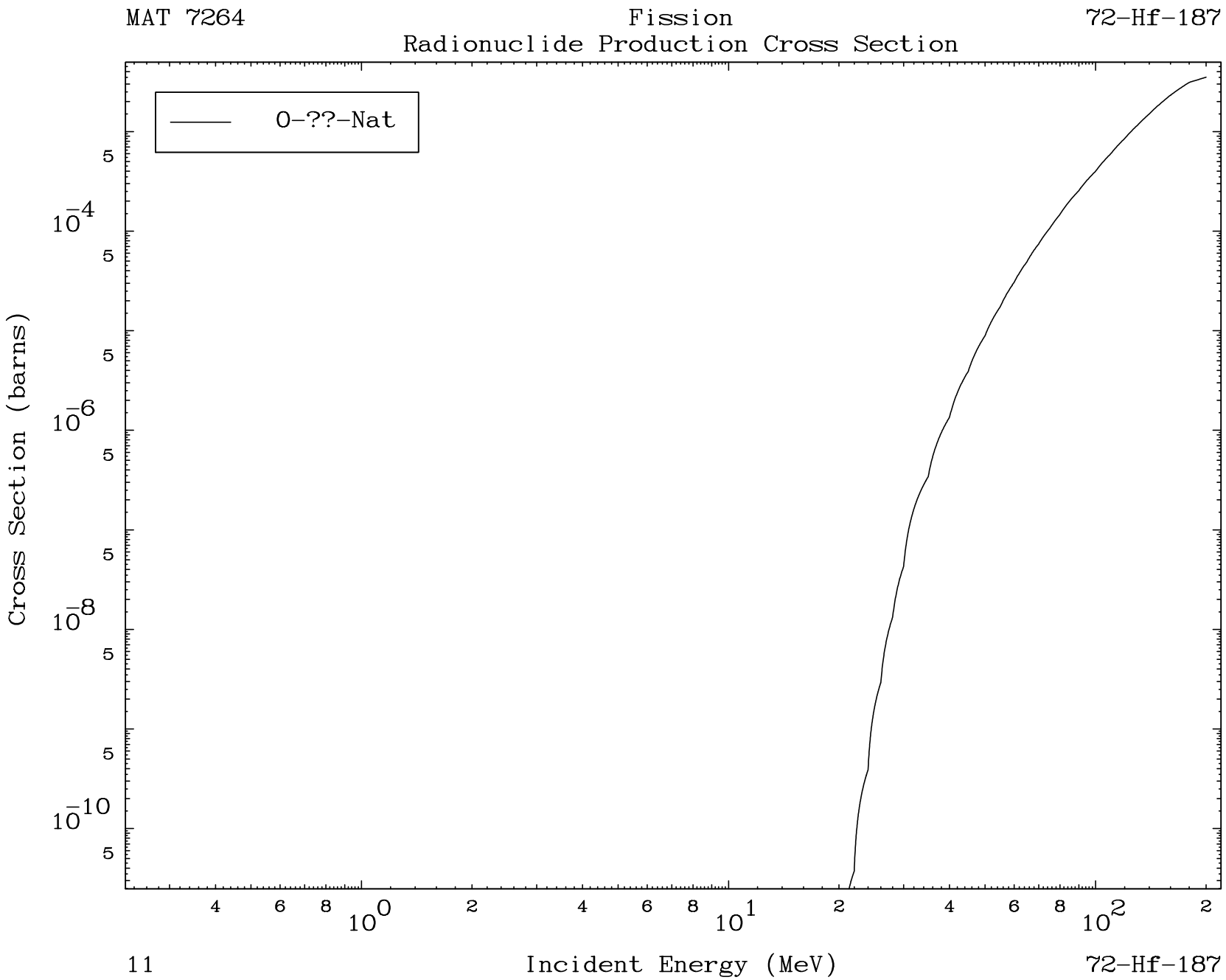

MAT 7264
(α,d) Levels
72-Hf-187
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
72-Hf-187

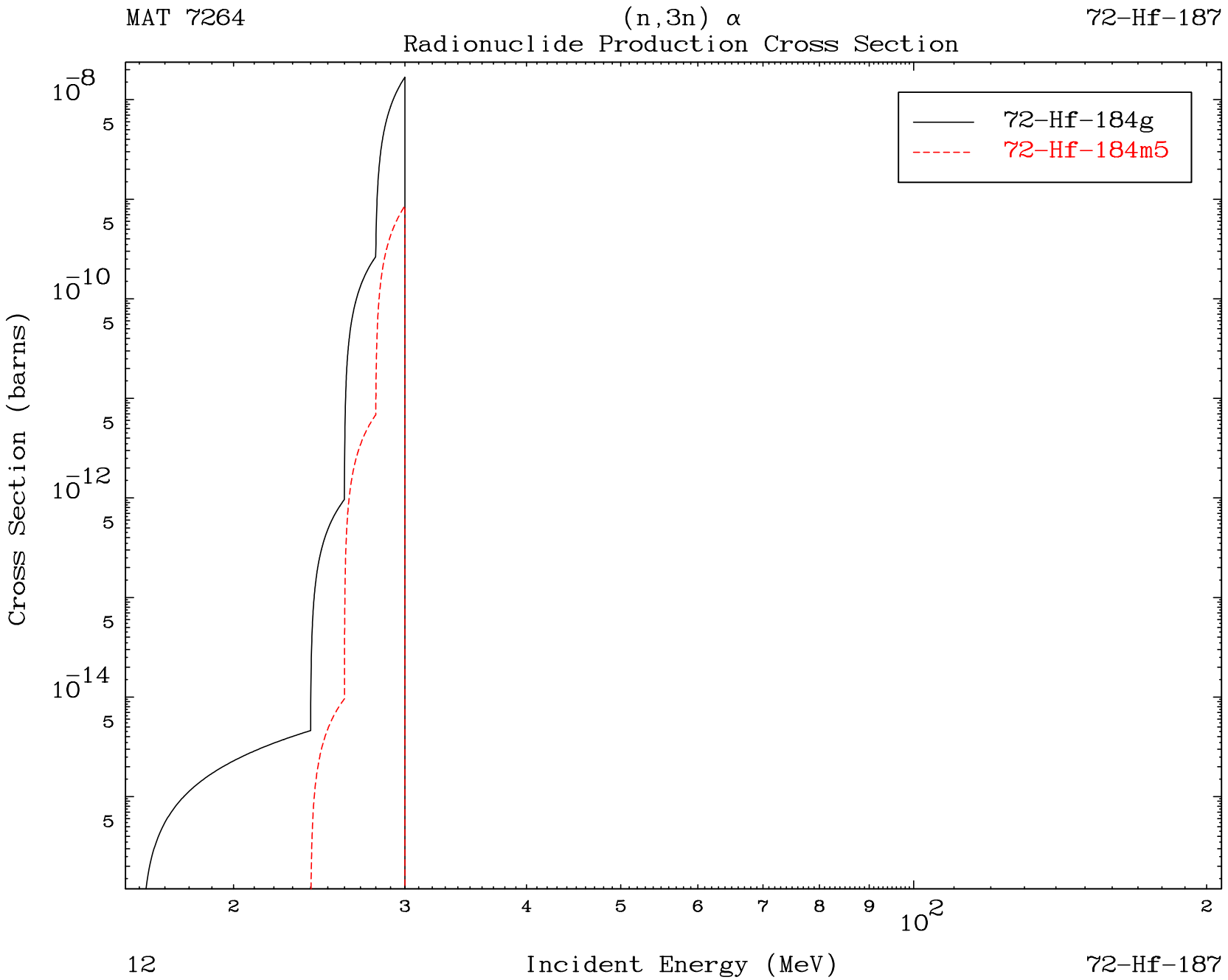

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
5
5
10^-4
5
10^-6
5
10^-8
5
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

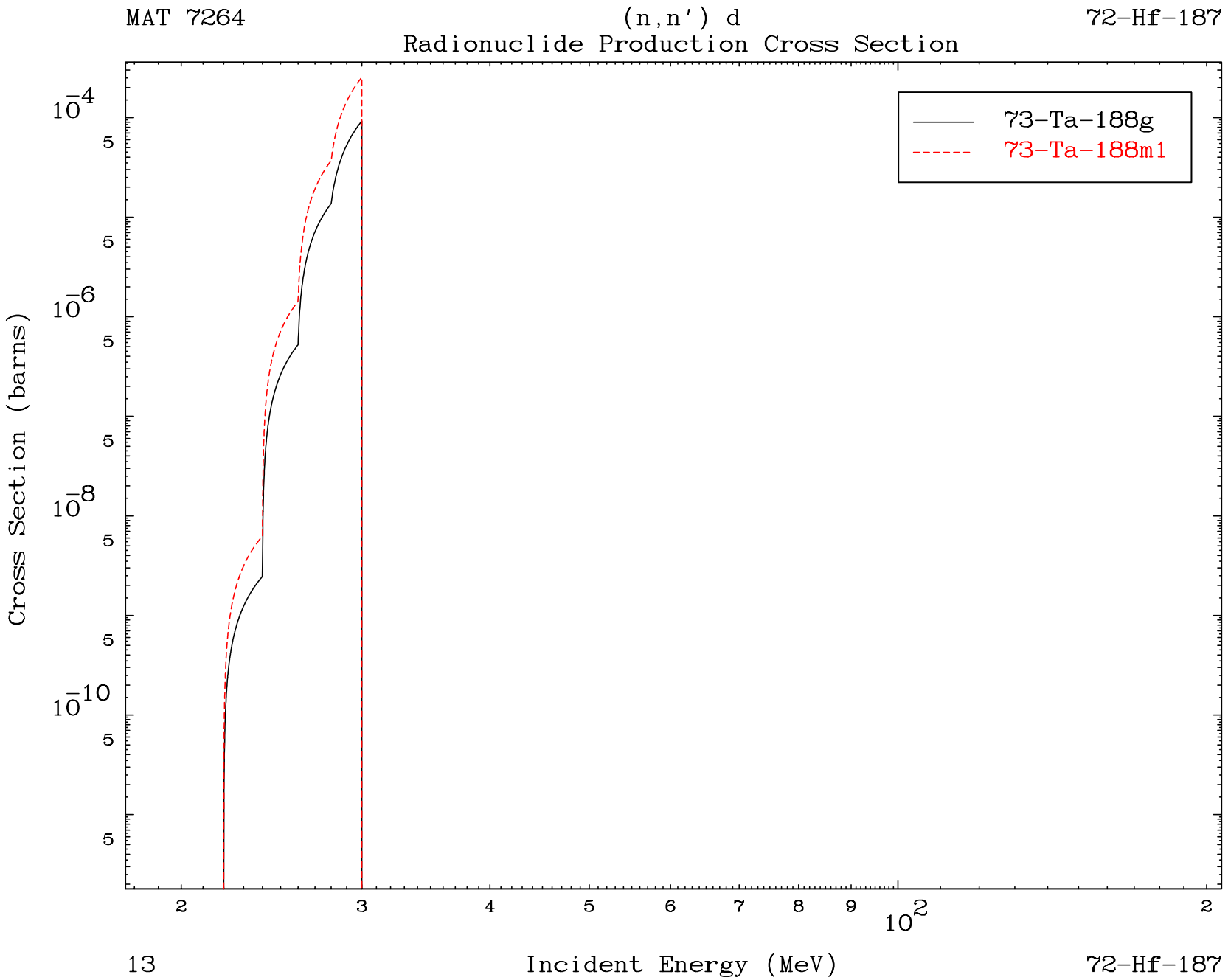
0 Kelvin Cross Sections

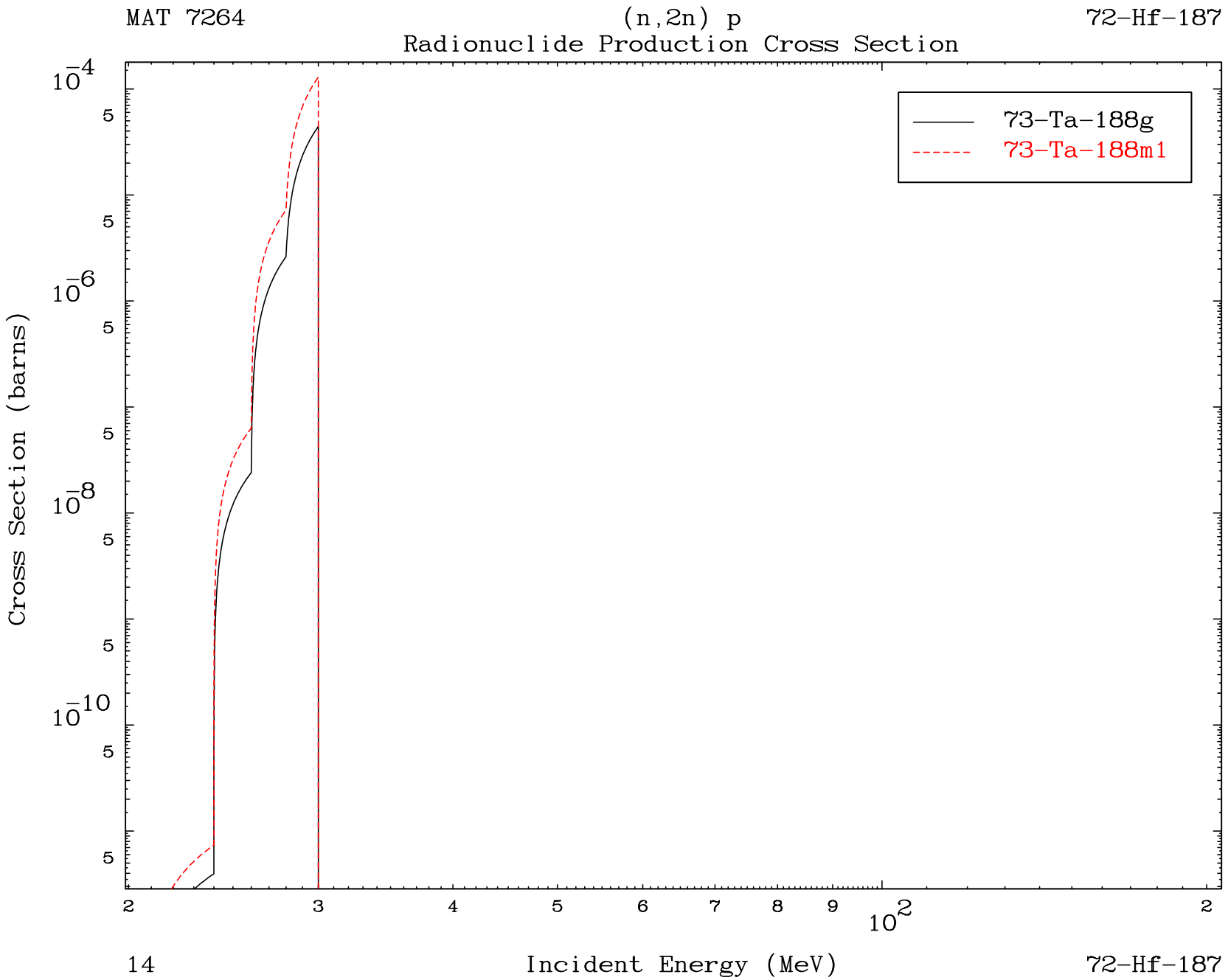


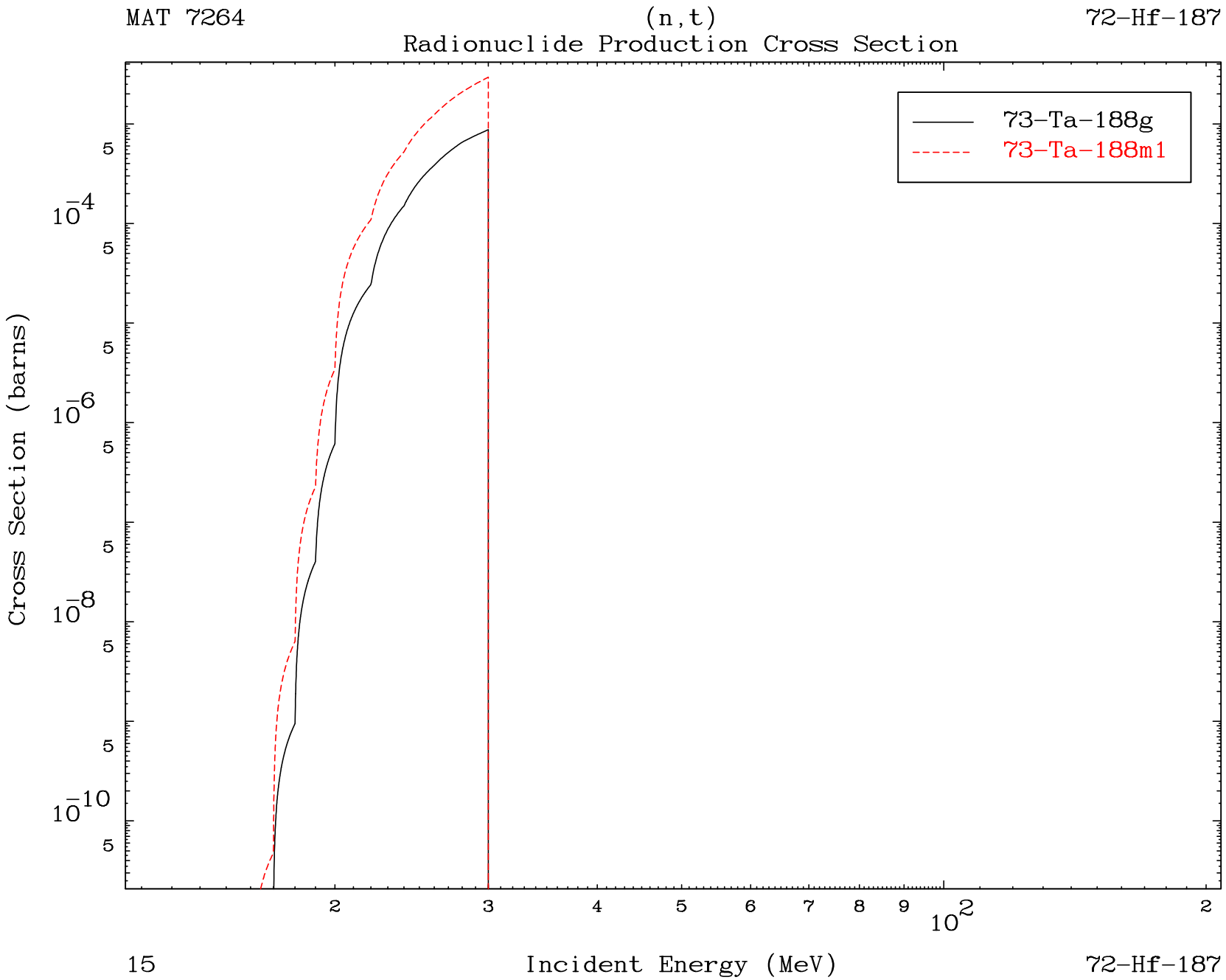

MAT 7264
(α,α) Levels
72-Hf-187
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
72-Hf-187


MAT 7264
Fission
72-Hf-187
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
72-Hf-187


MAT 7264
(n,3n) α
72-Hf-187
Radionuclide Production Cross Section
72-Hf-184g
72-Hf-184m5
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
12
Incident Energy (MeV)
72-Hf-187


MAT 7264
(n,n') d
72-Hf-187
Radionuclide Production Cross Section
73-Ta-188g
73-Ta-188m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
72-Hf-187


MAT 7264
(n,2n) p
72-Hf-187
Radionuclide Production Cross Section
73-Ta-188g
73-Ta-188m1
Cross Section (barns)
Incident Energy (MeV)
14
72-Hf-187


MAT 7264
(n,t)
72-Hf-187
Radionuclide Production Cross Section
73-Ta-188g
73-Ta-188m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
72-Hf-187