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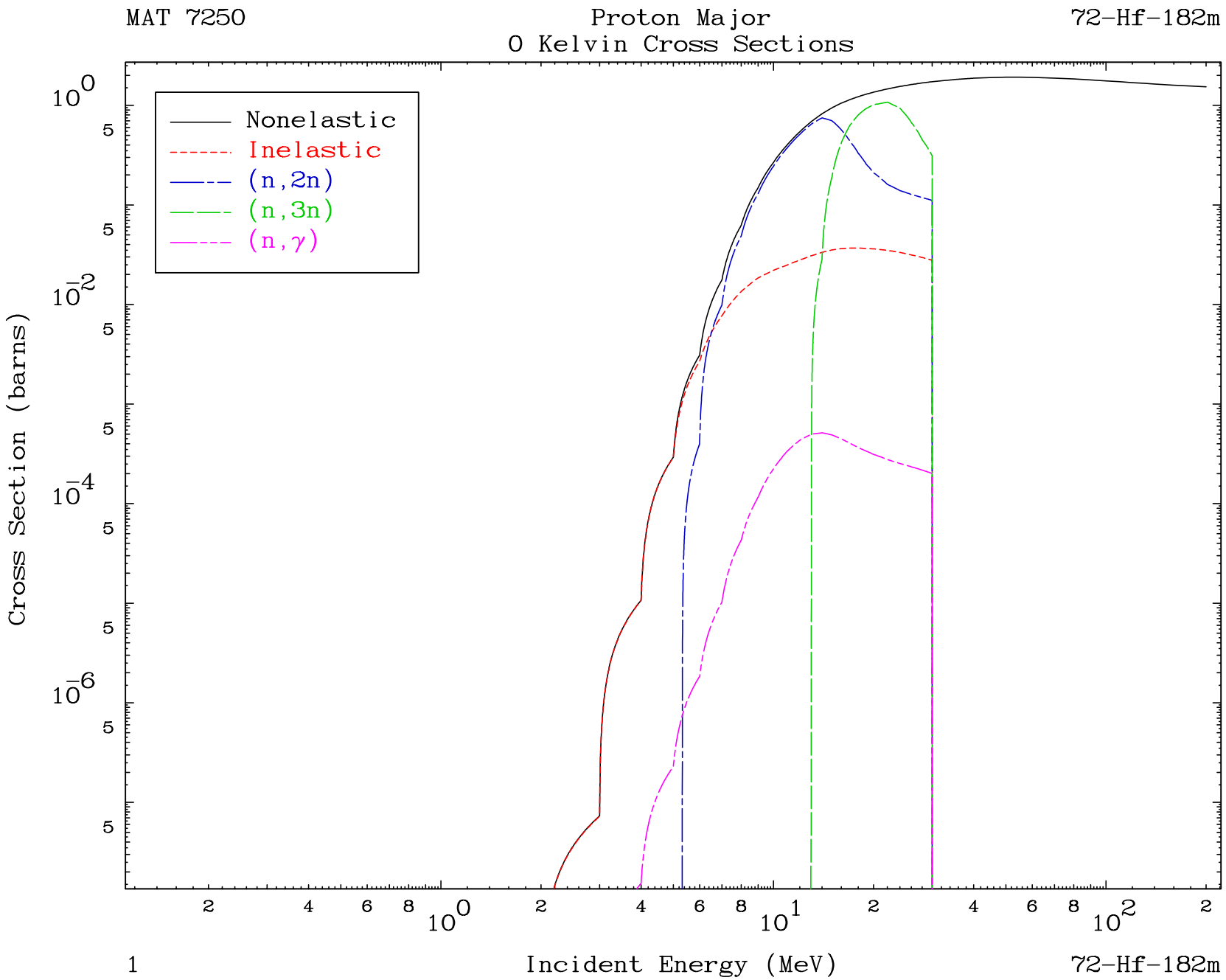
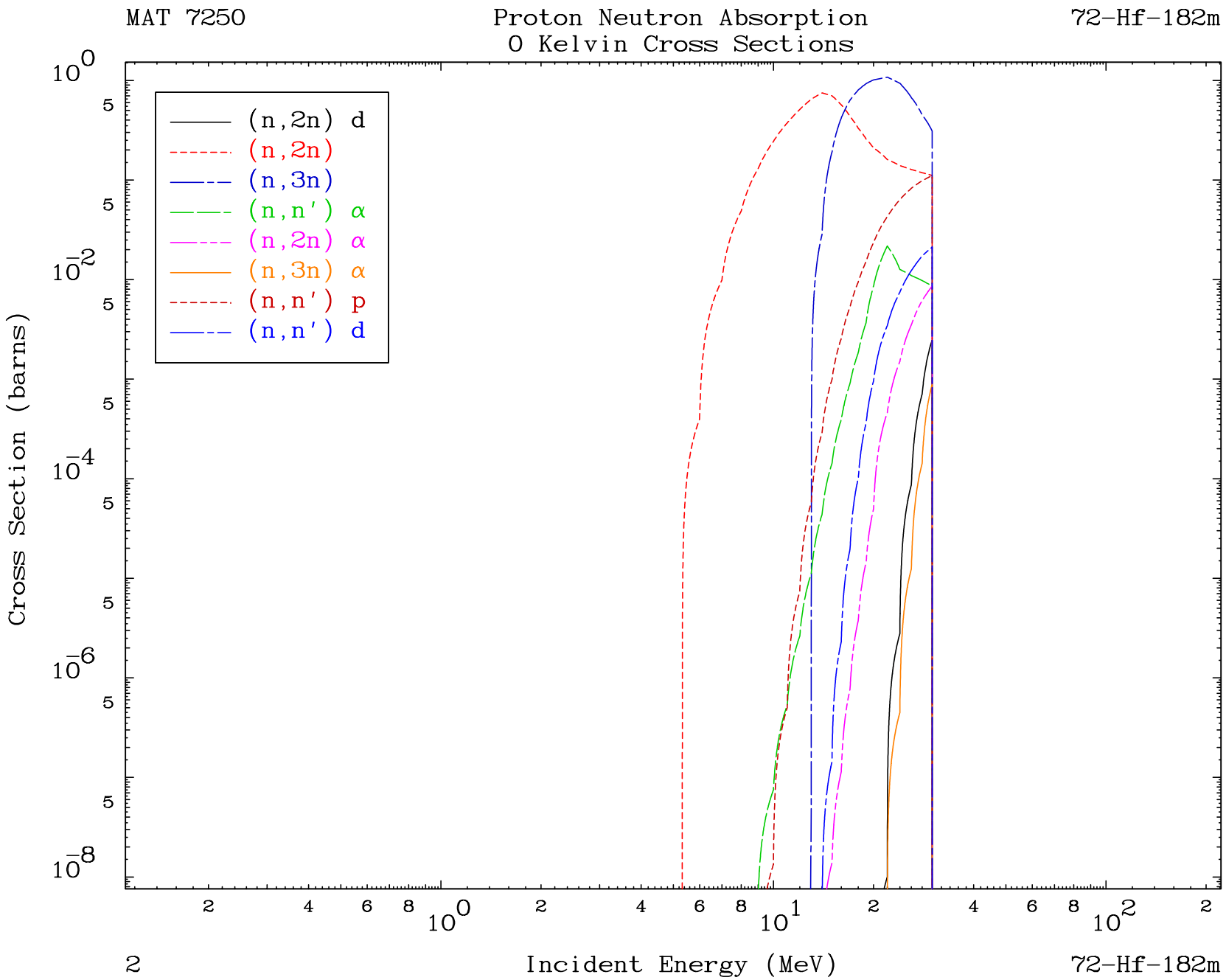
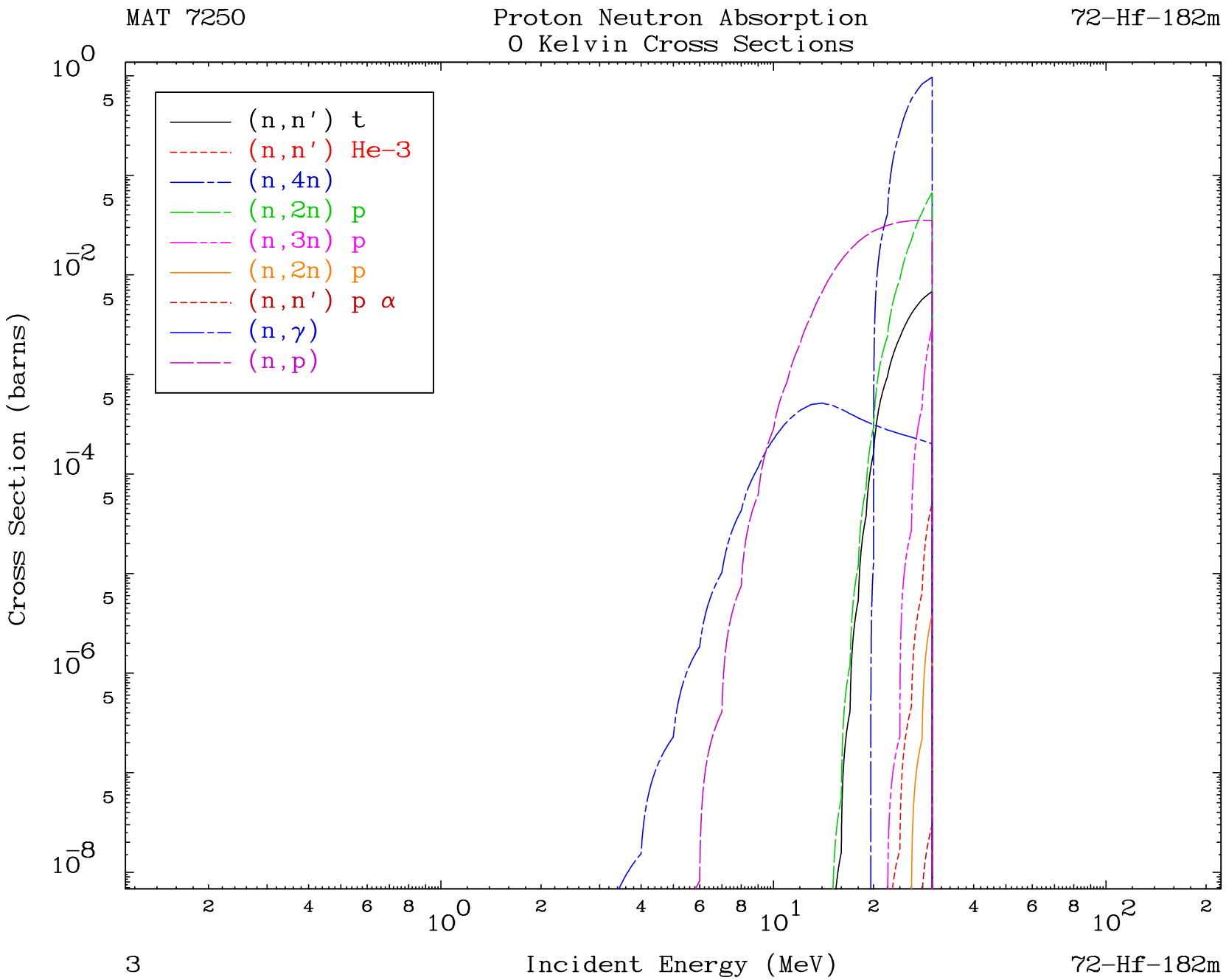
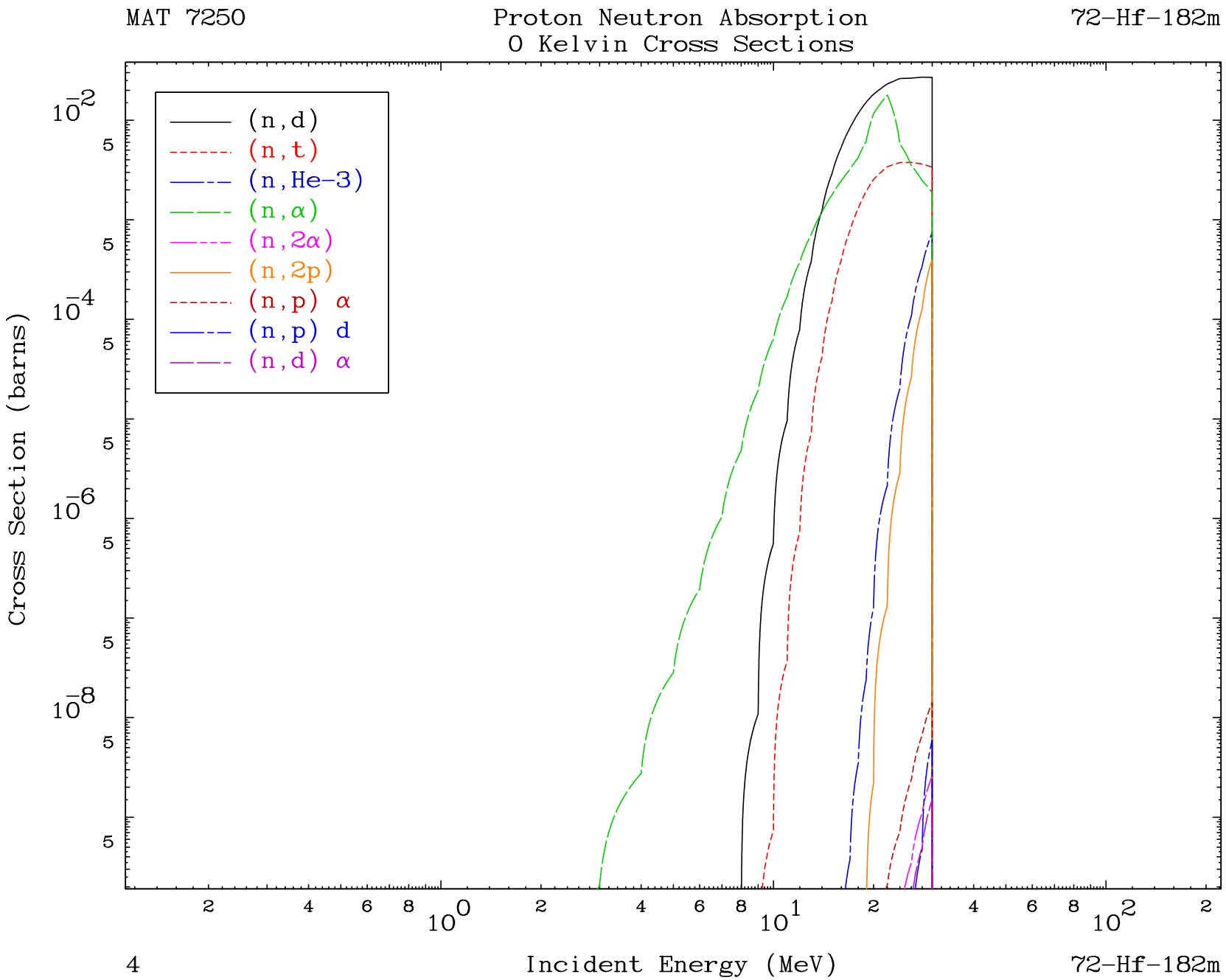
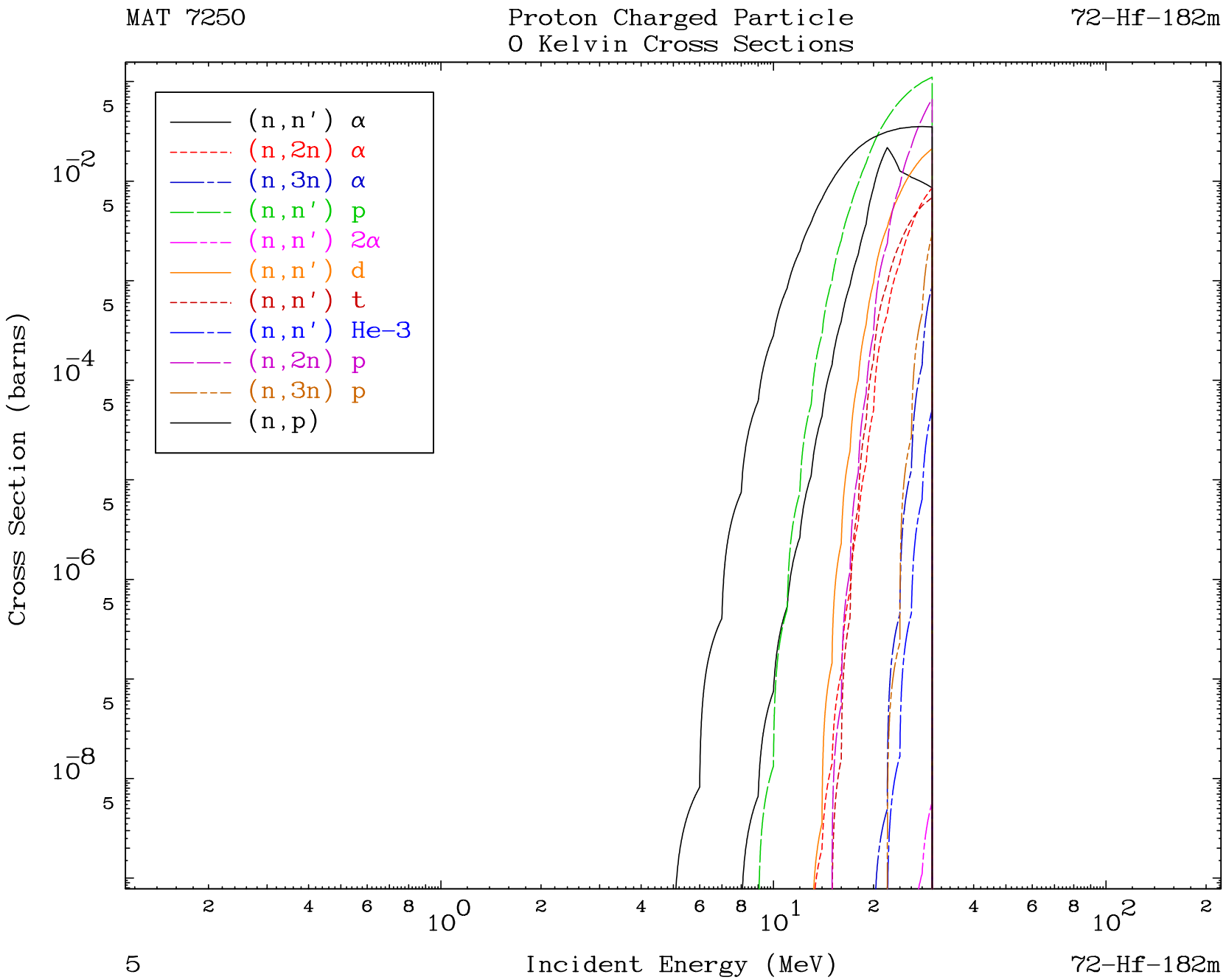
Press Mouse Button to Start

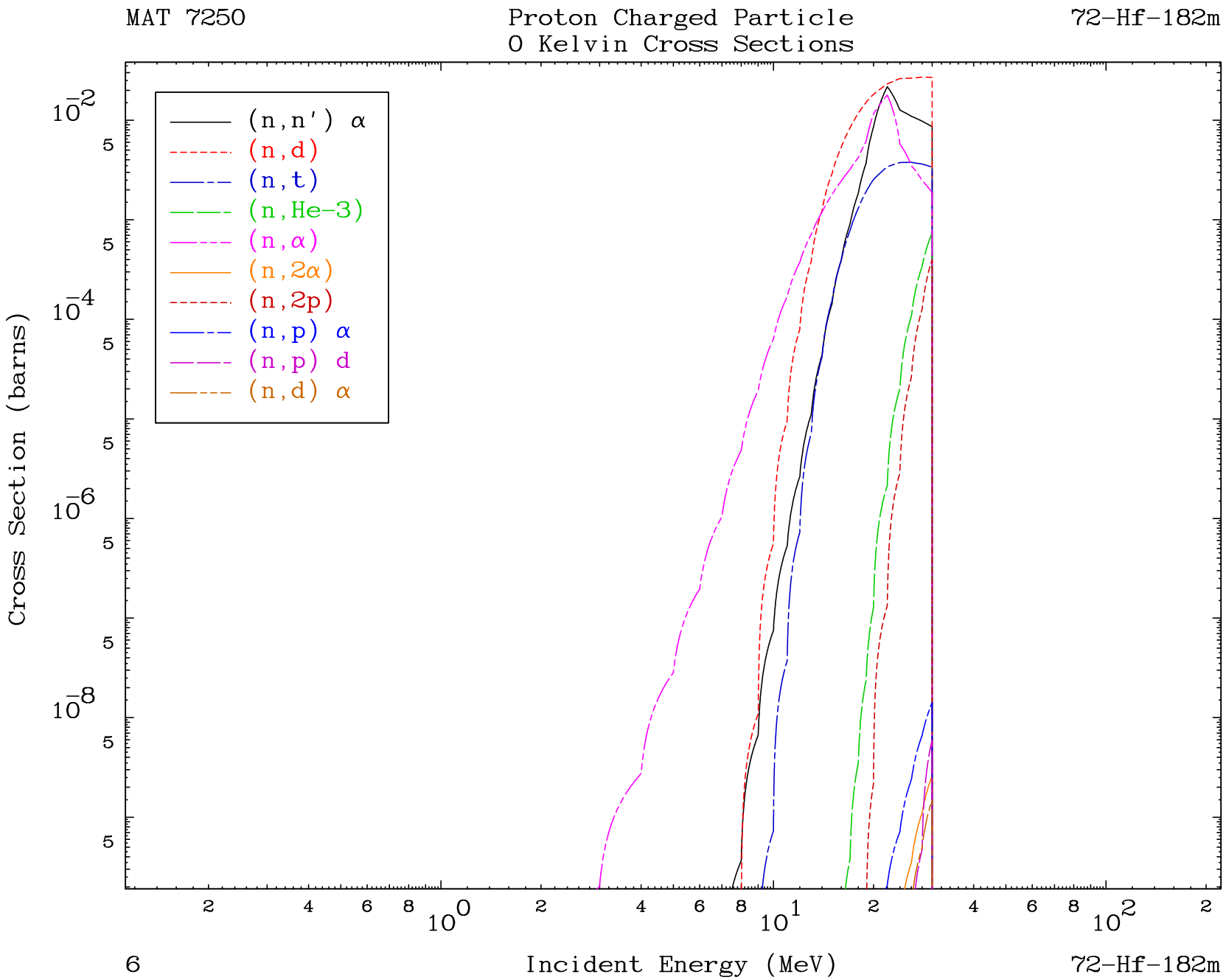

MAT 7250
Proton Major
72-Hf-182m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-182m
1

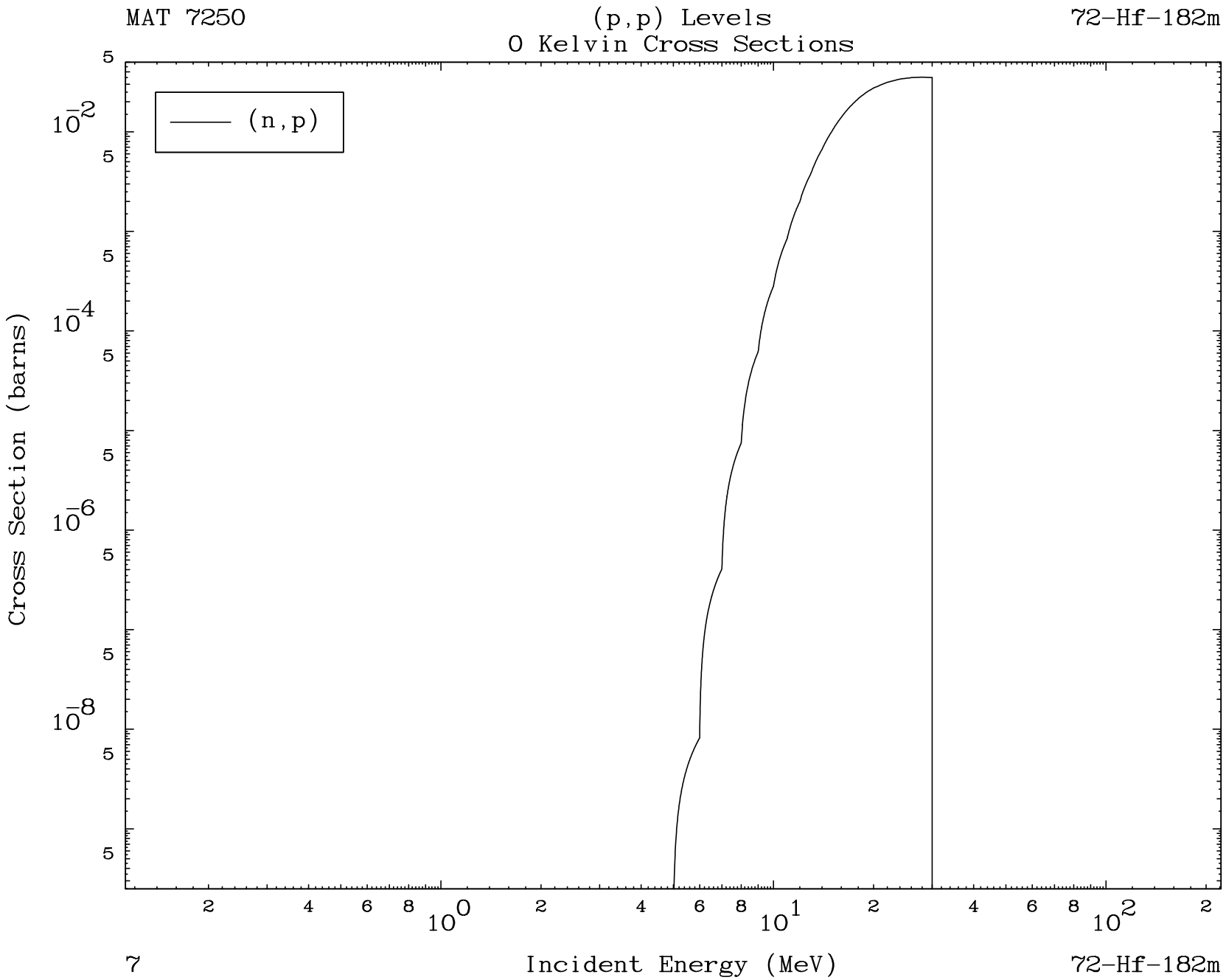

MAT 7250
Proton Neutron Absorption
0 Kelvin Cross Sections
72-Hf-182m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
72-Hf-182m
2

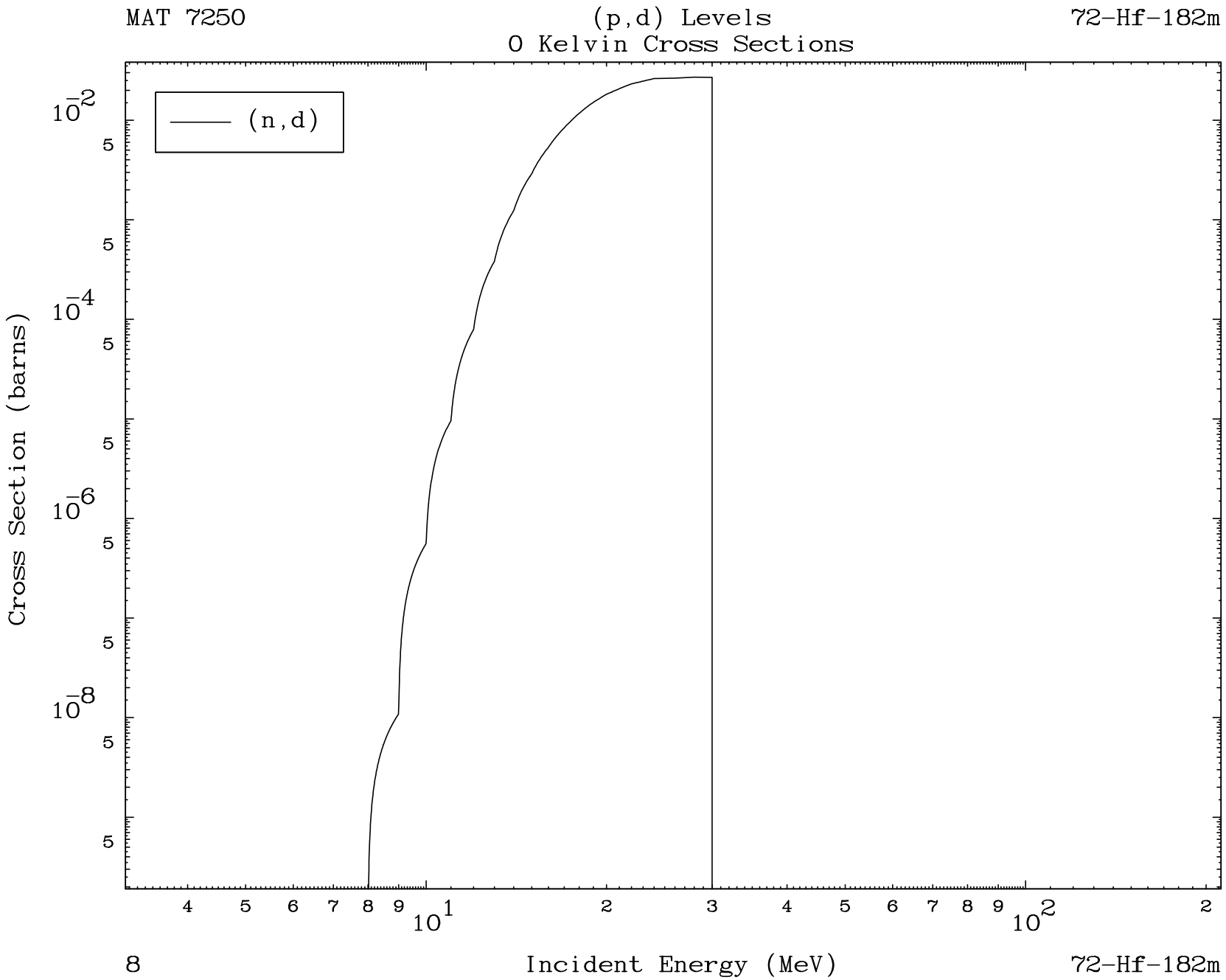

MAT 7250
Proton Neutron Absorption
0 Kelvin Cross Sections
72-Hf-182m
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
3
72-Hf-182m


MAT 7250
Proton Neutron Absorption
0 Kelvin Cross Sections
72-Hf-182m
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
72-Hf-182m
4


MAT 7250
Proton Charged Particle
0 Kelvin Cross Sections
72-Hf-182m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-182m


MAT 7250
Proton Charged Particle
0 Kelvin Cross Sections
72-Hf-182m
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
72-Hf-182m


MAT 7250
(p,p) Levels
72-Hf-182m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
72-Hf-182m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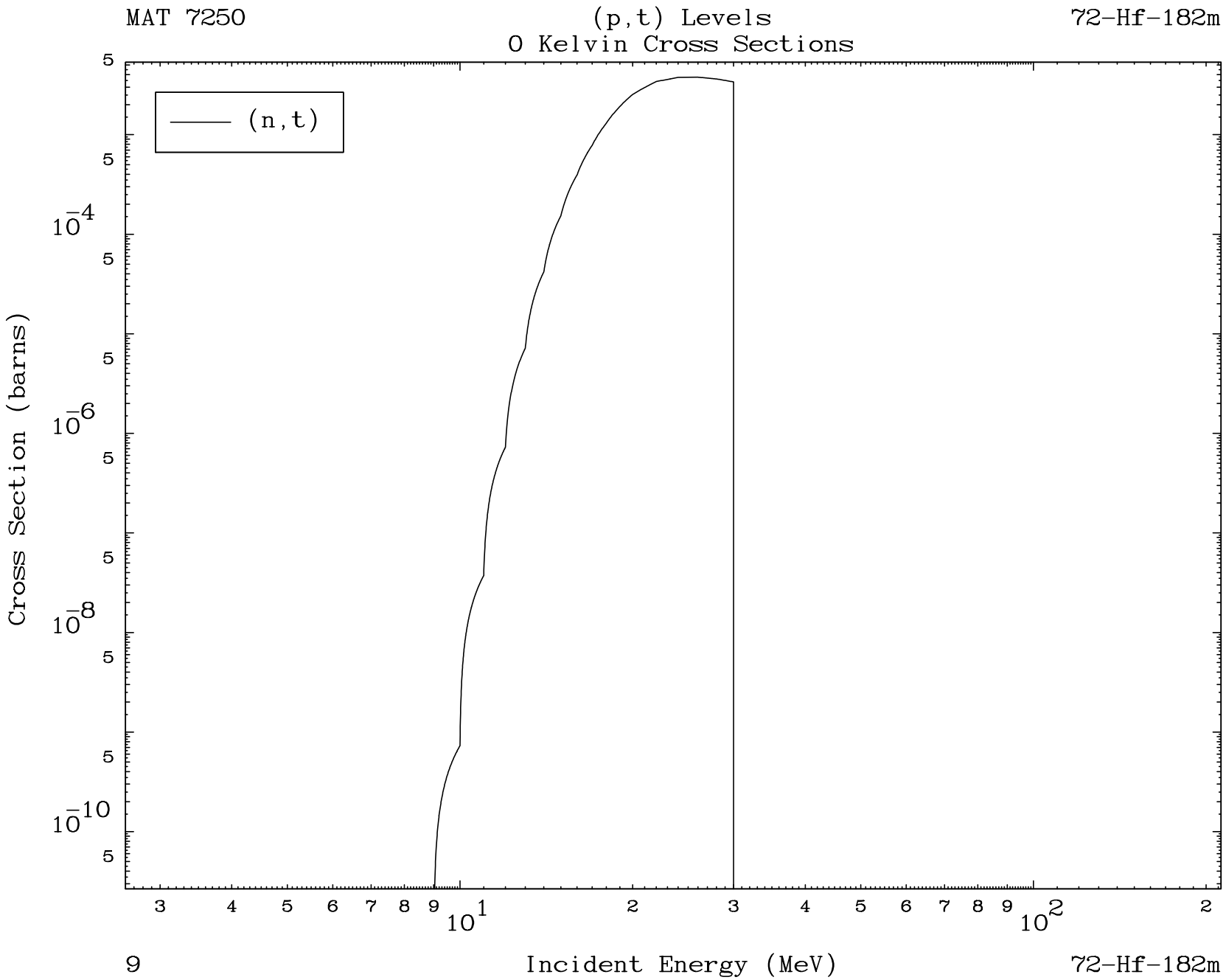
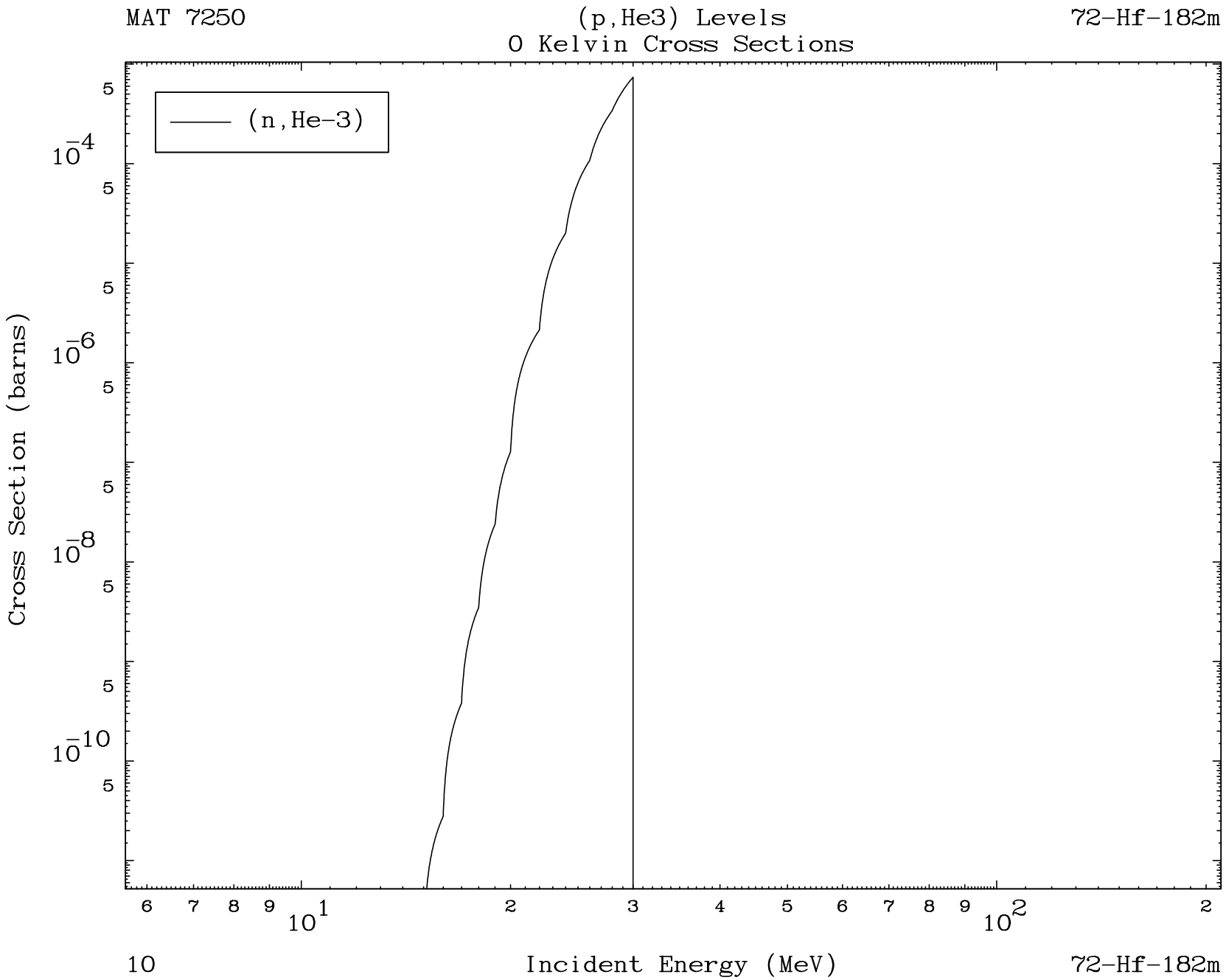
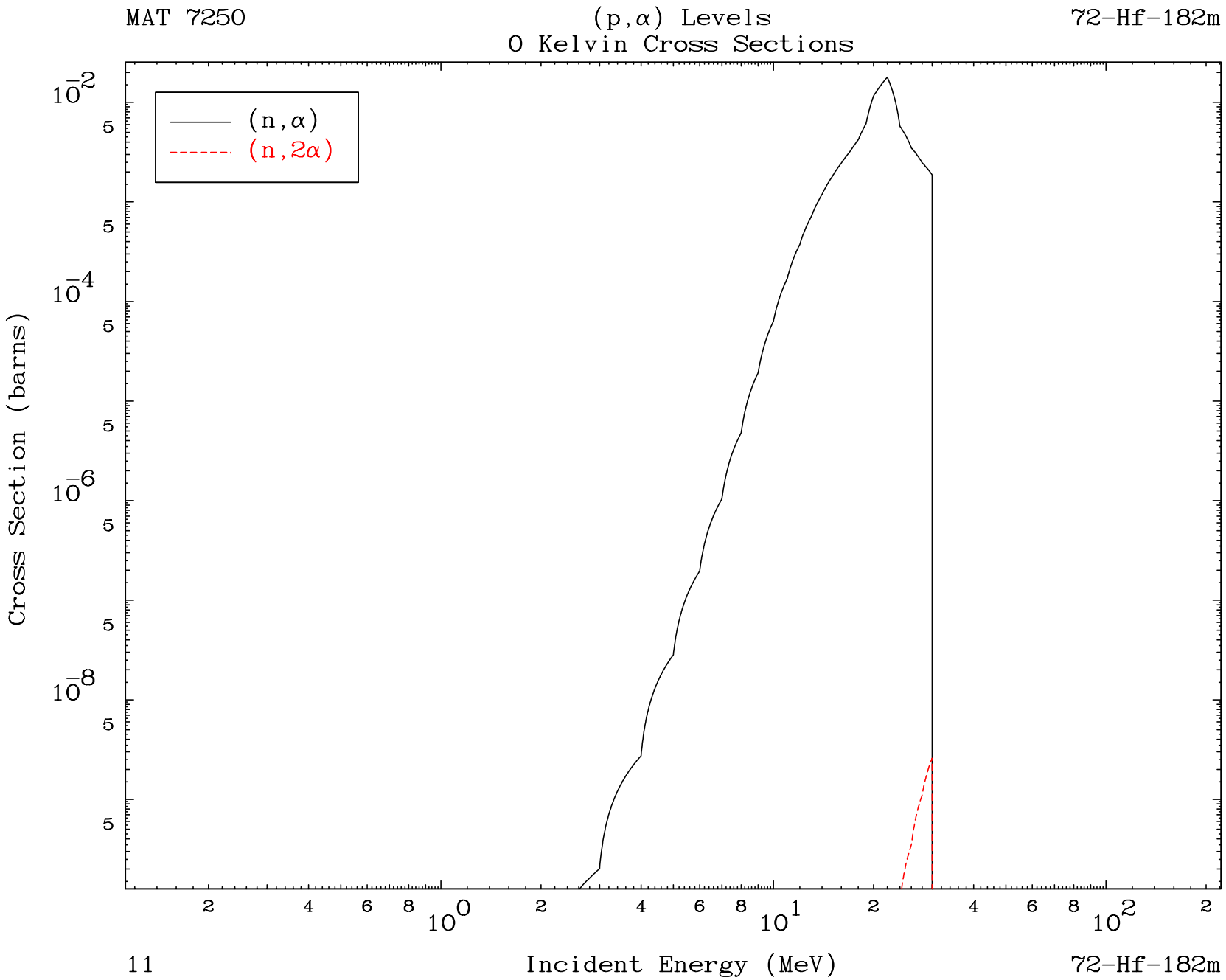
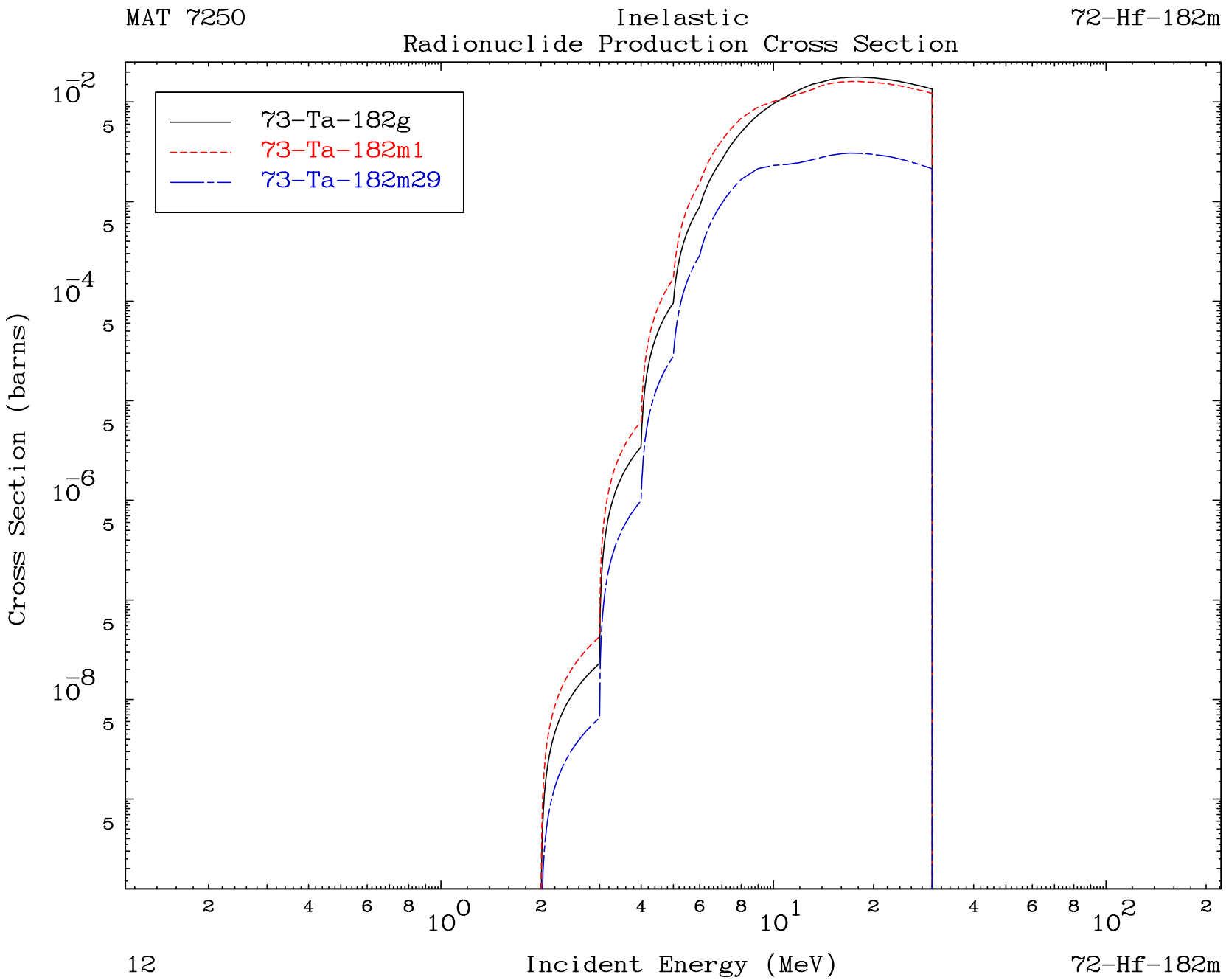
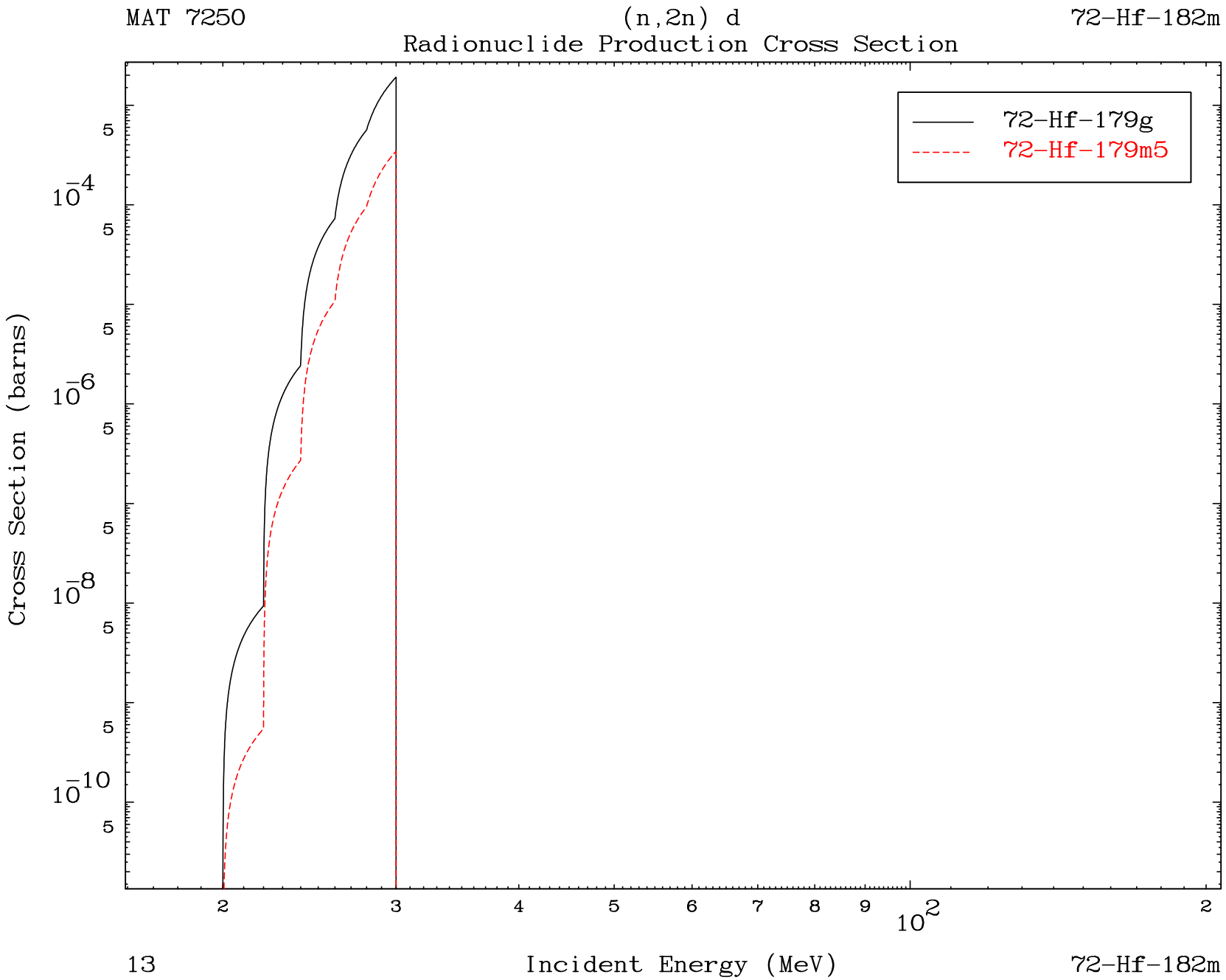
(p,d) Levels
72-Hf-182m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-182m

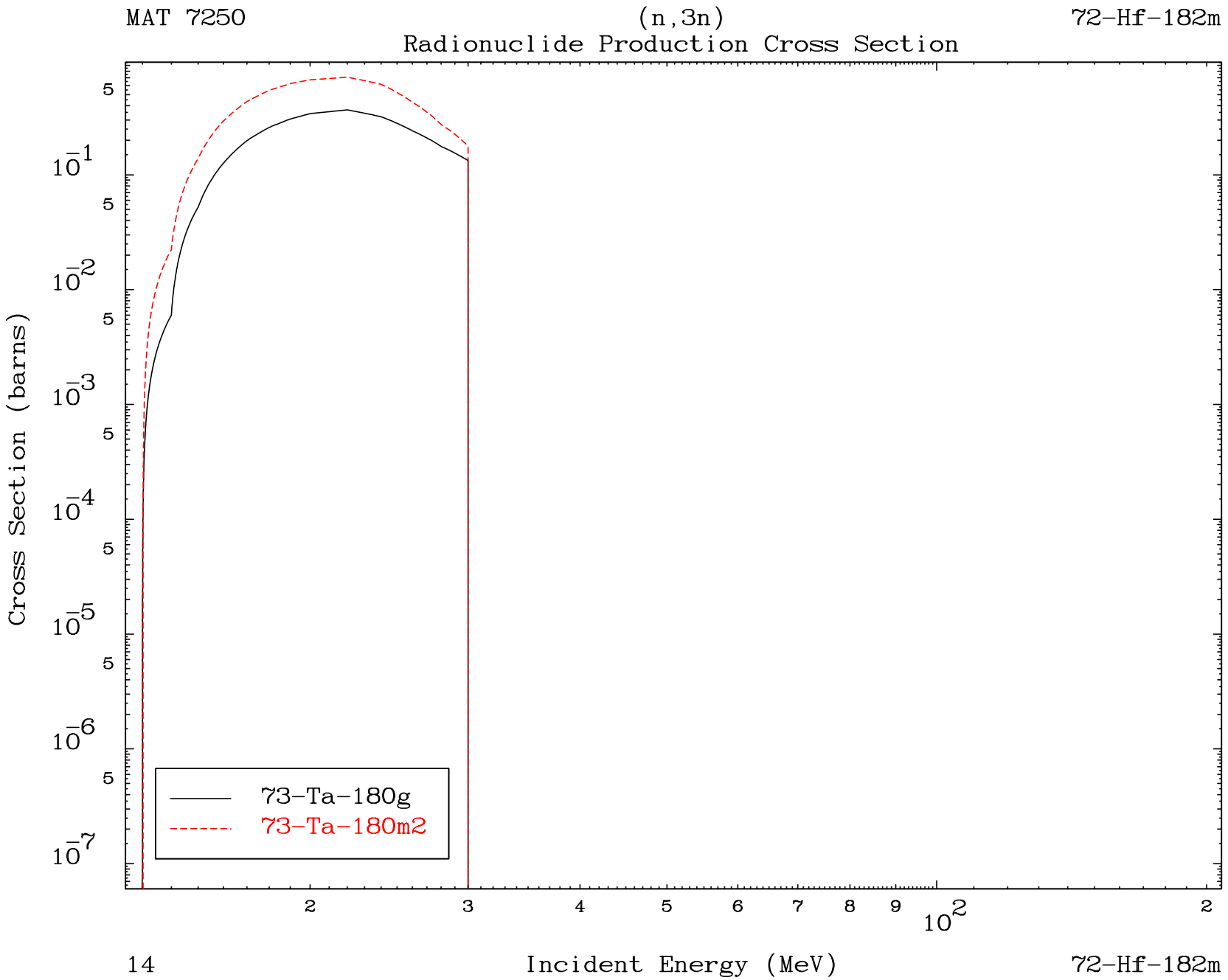

MAT 7250
(p,t) Levels
72-Hf-182m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-182m
9

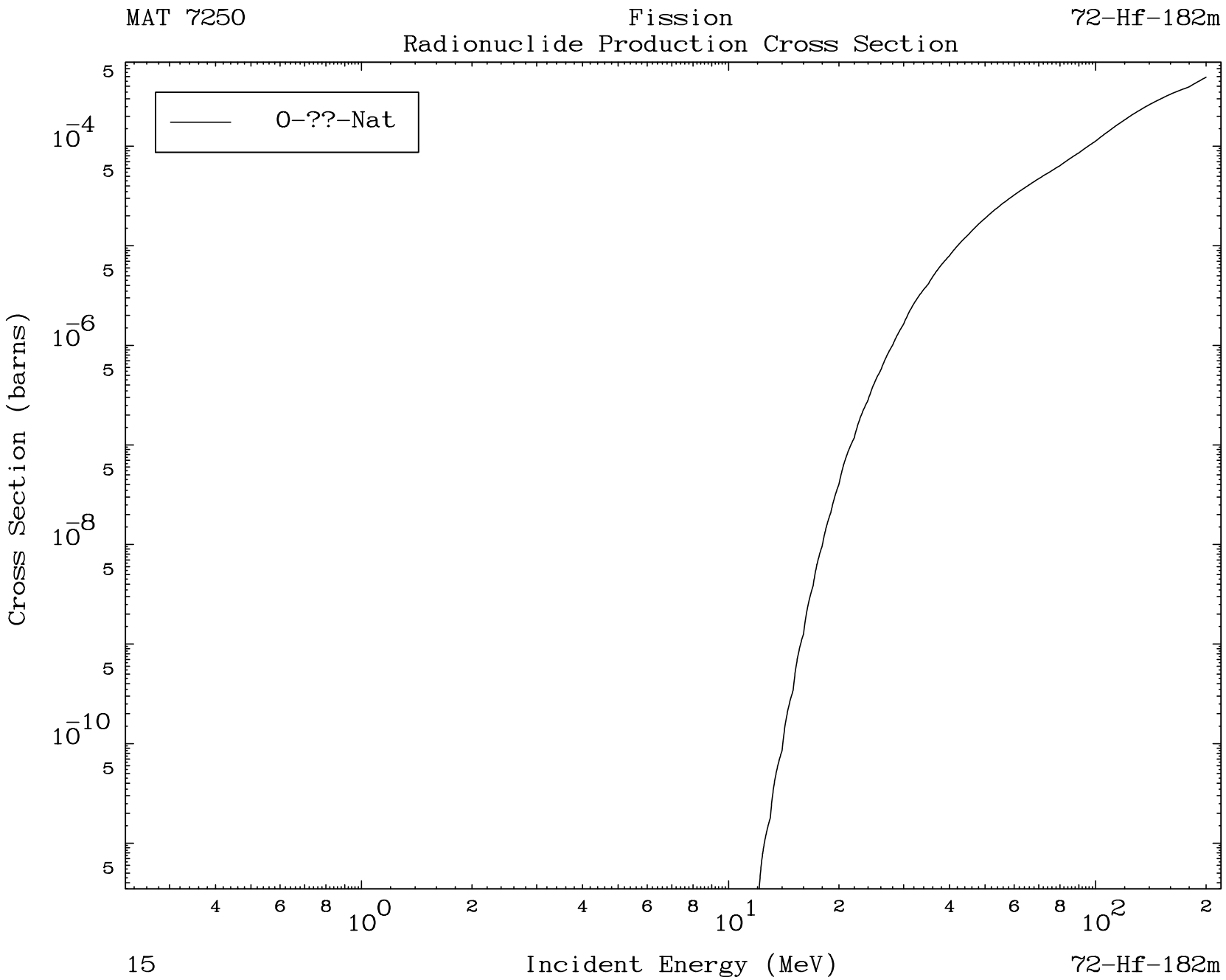

MAT 7250
(p,He3) Levels
72-Hf-182m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
72-Hf-182m

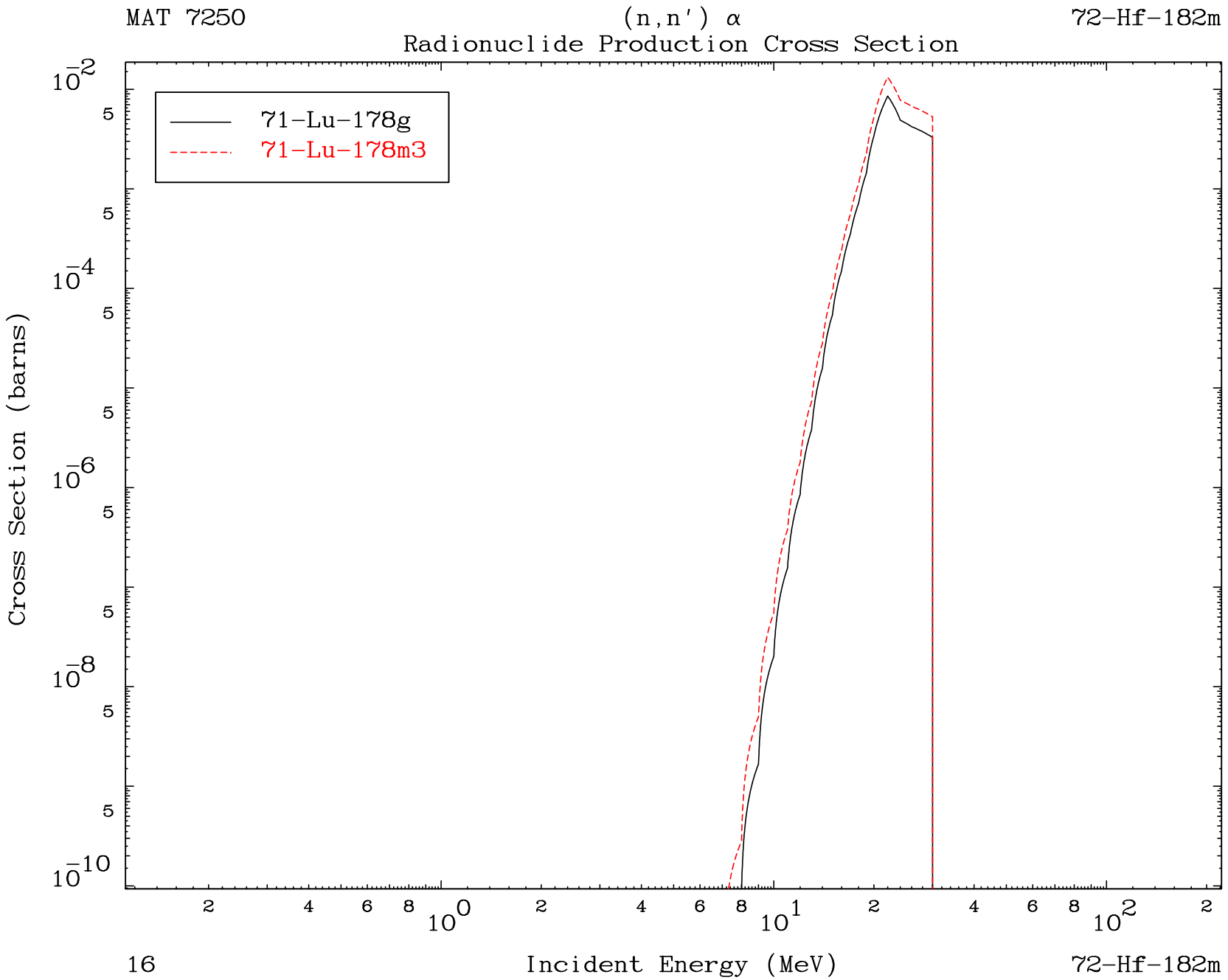

MAT 7250
(p,α) Levels
72-Hf-182m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
72-Hf-182m

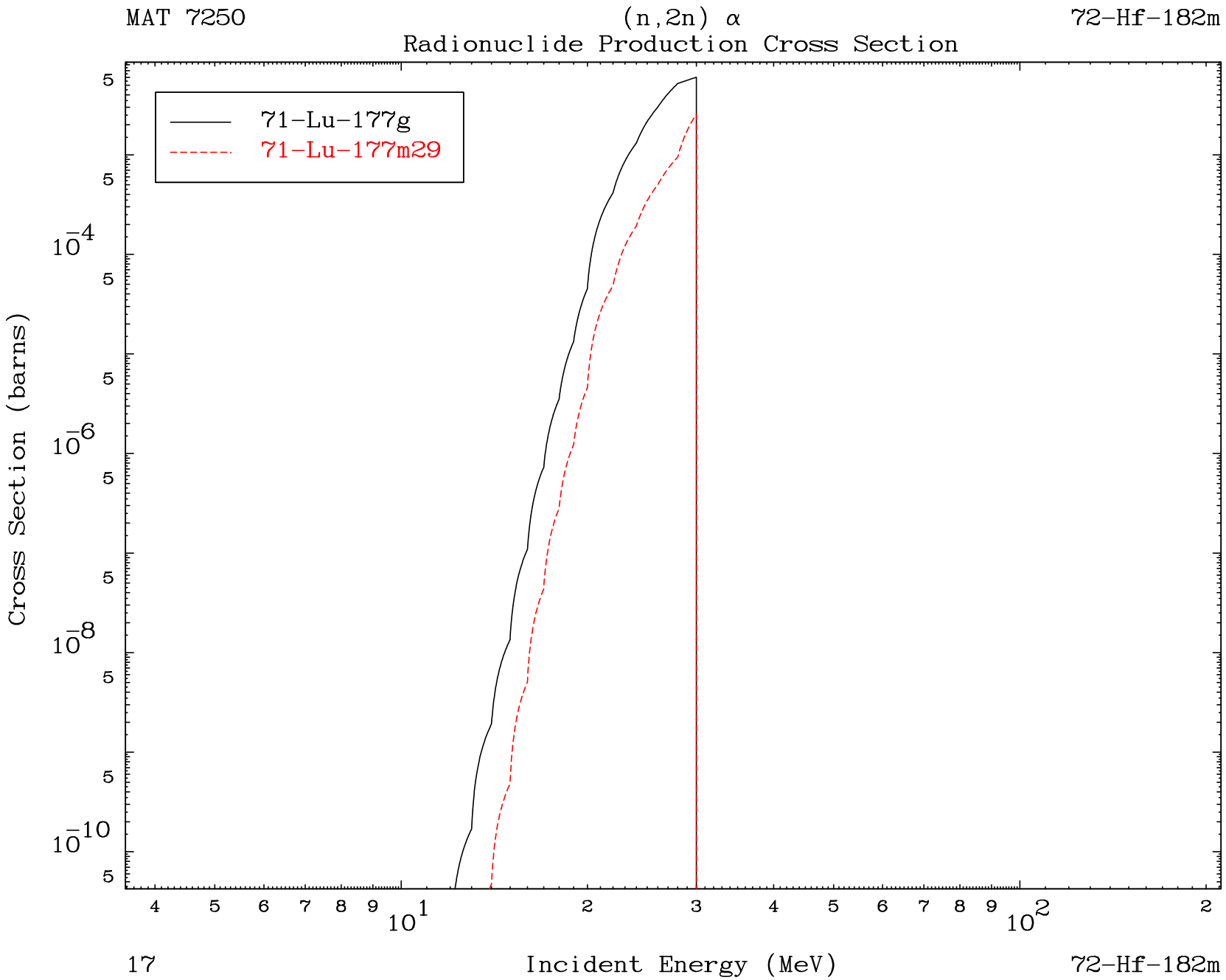

MAT 7250
Inelastic
72-Hf-182m
Radionuclide Production Cross Section
73-Ta-182g
73-Ta-182m1
73-Ta-182m29
Cross Section (barns)
Incident Energy (MeV)
12
72-Hf-182m

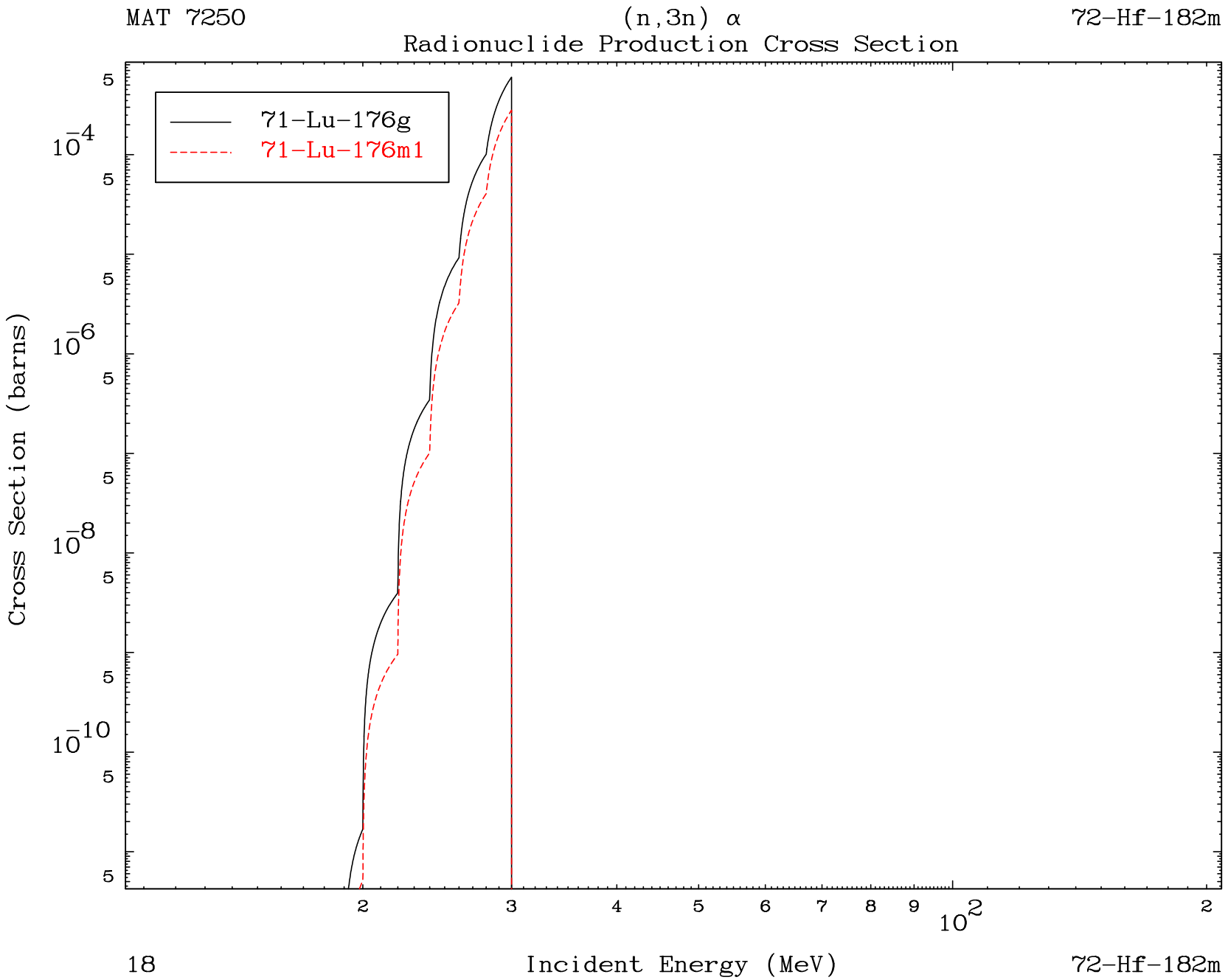

MAT 7250
(n,2n) d
72-Hf-182m
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
72-Hf-182m

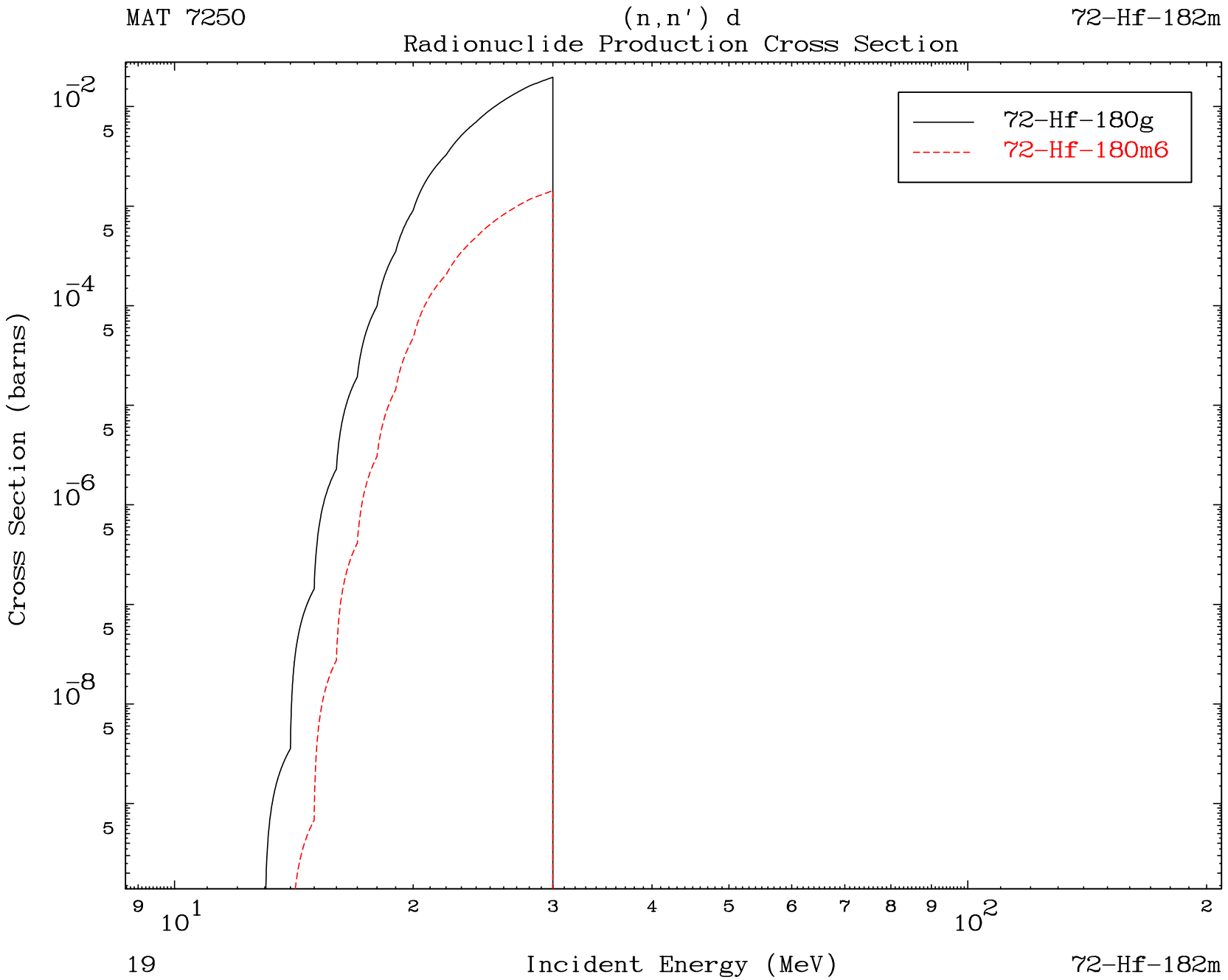

MAT 7250
(n,3n)
72-Hf-182m
Radionuclide Production Cross Section
Cross Section (barns)
10-1
10-2
10-3
10-4
10-5
10-6
10-7
5
2
3
4
5
6
7
8
9
10 2
73-Ta-180g
73-Ta-180m2
14
Incident Energy (MeV)
72-Hf-182m

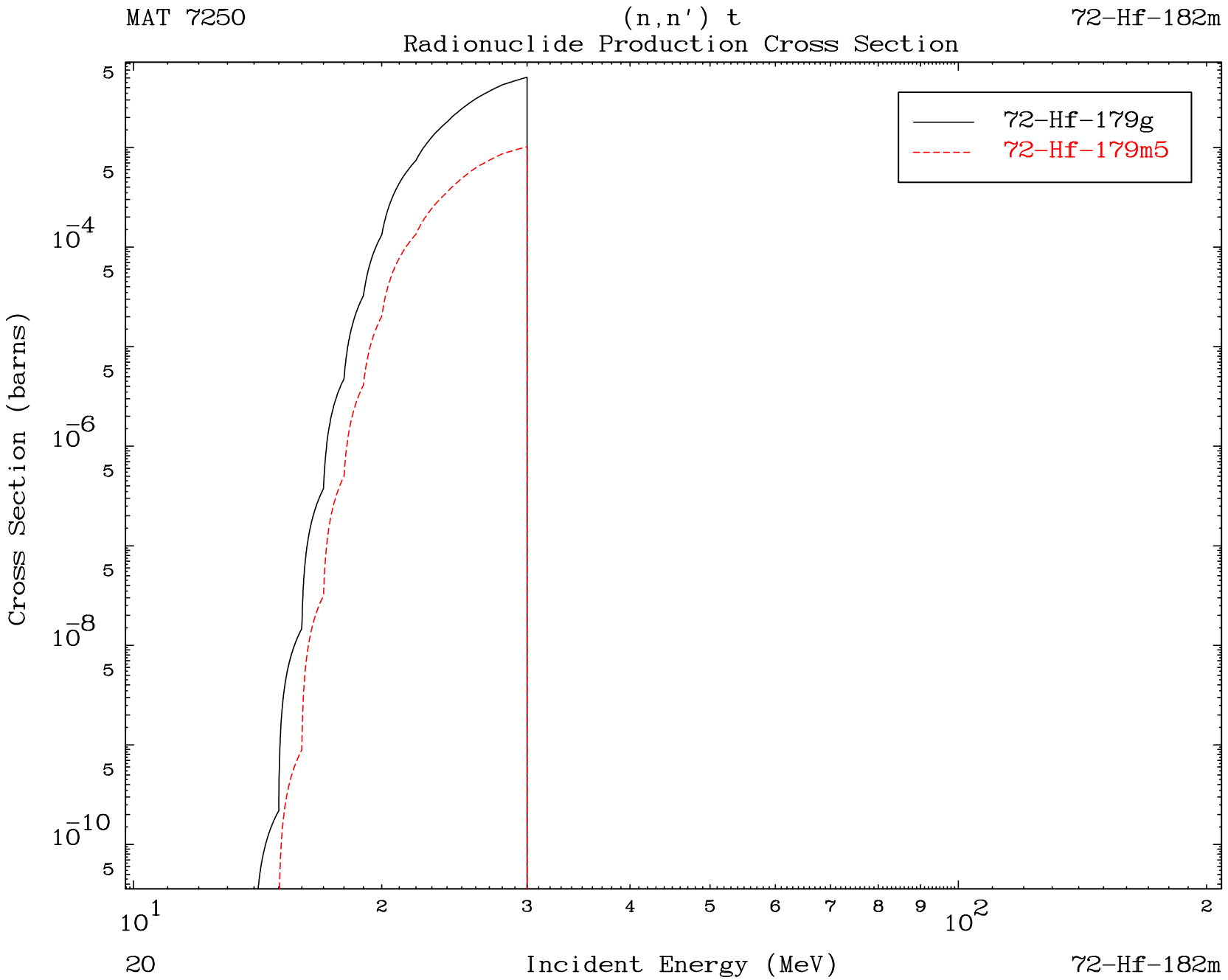

MAT 7250
Fission
72-Hf-182m
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
15
72-Hf-182m

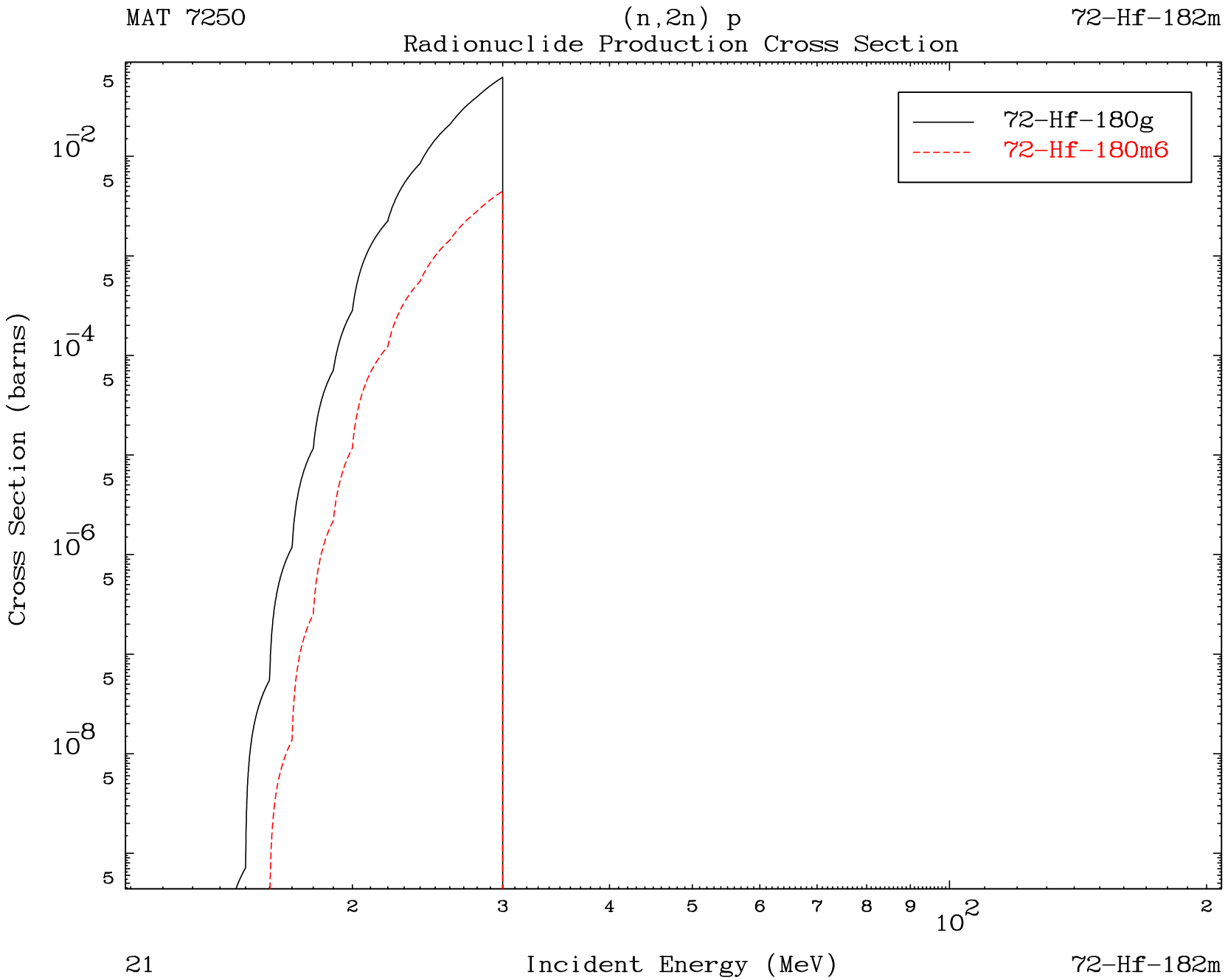

MAT 7250
(n,n') α
72-Hf-182m
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
Incident Energy (MeV)
16
72-Hf-182m

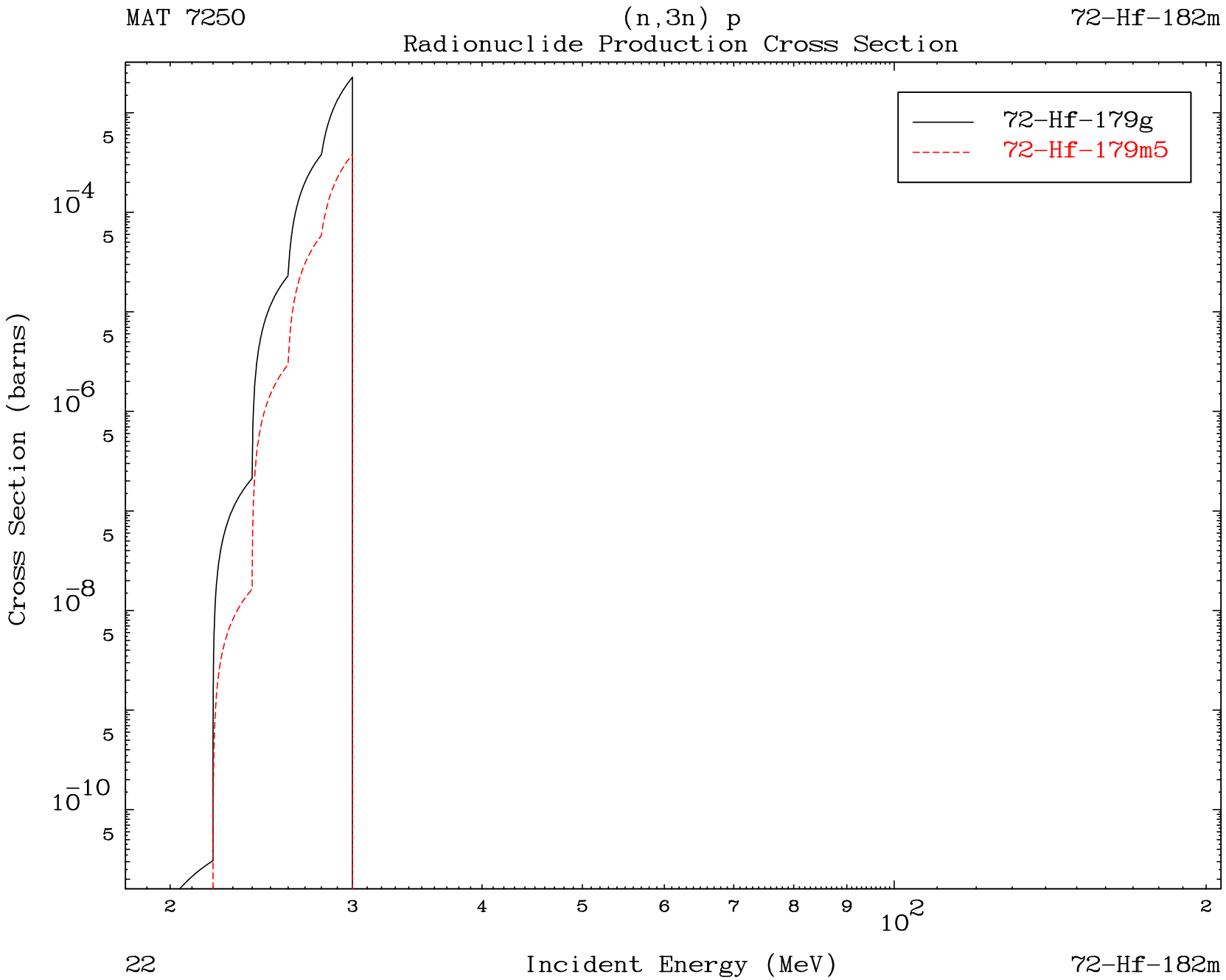

MAT 7250
(n,2n) α
72-Hf-182m
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
Cross Section (barns)
Incident Energy (MeV)
17
72-Hf-182m

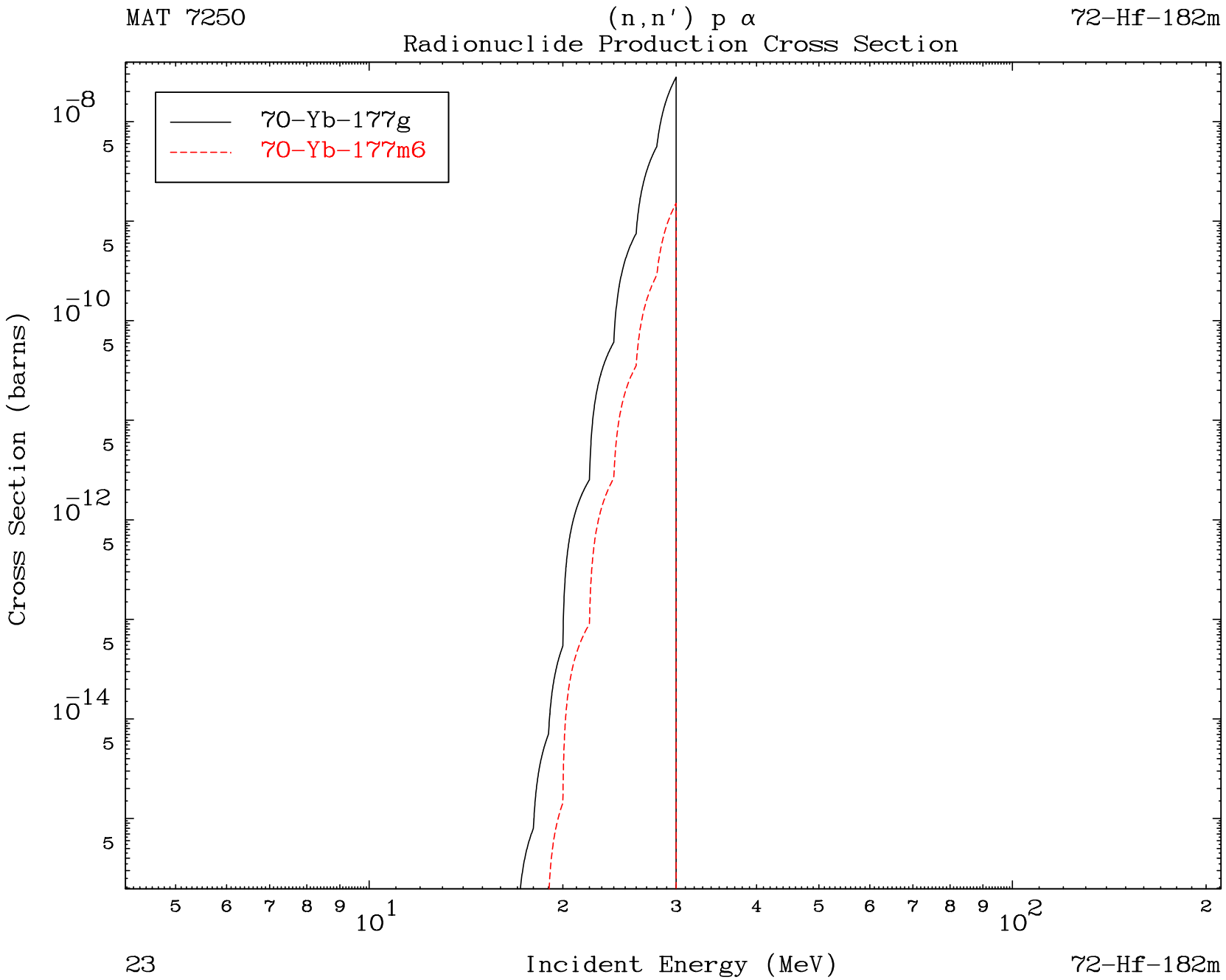

MAT 7250
(n,3n) α
72-Hf-182m
Radionuclide Production Cross Section
71-Lu-176g
71-Lu-176m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
72-Hf-182m

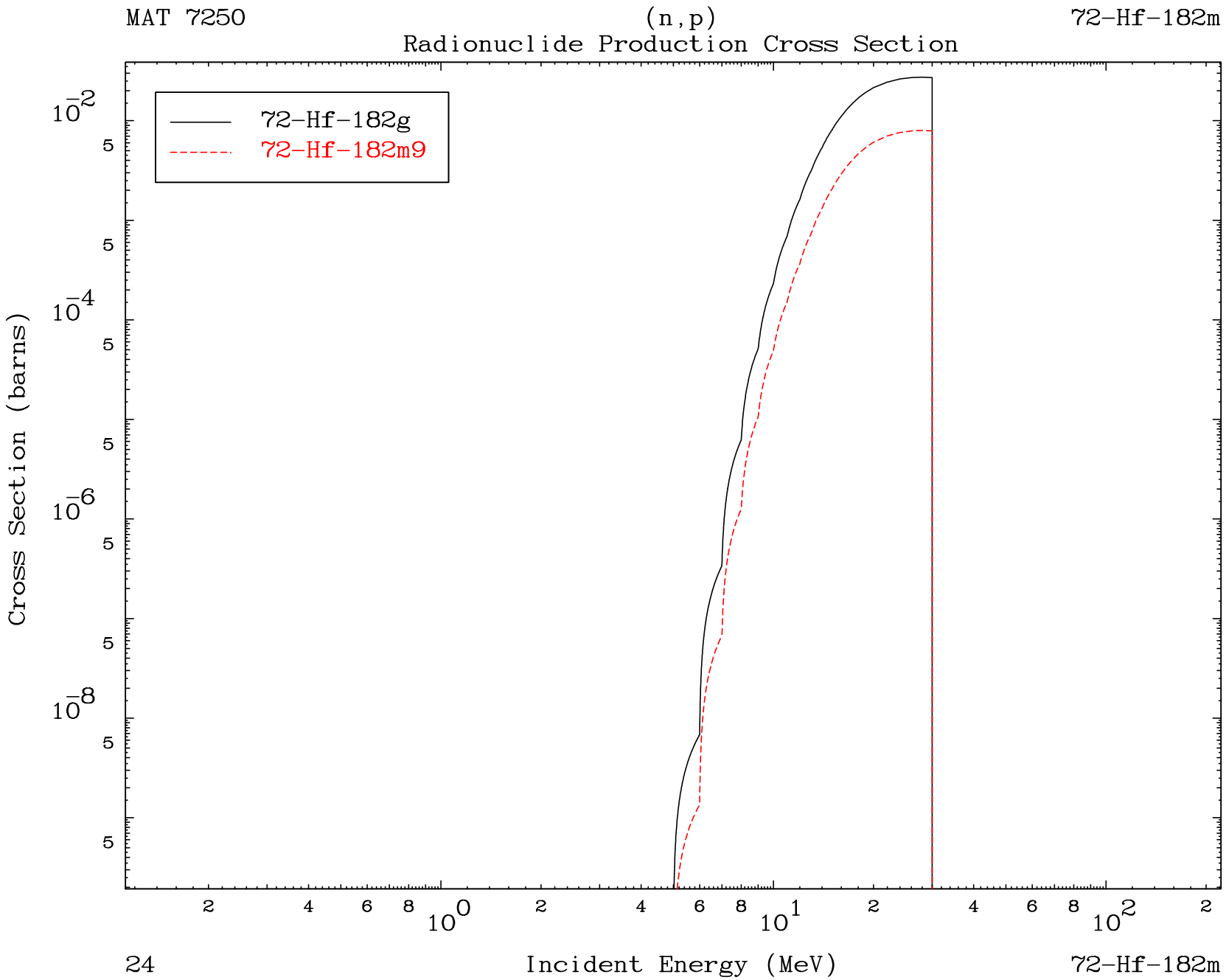

MAT 7250
(n,n') d
72-Hf-182m
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m6
Cross Section (barns)
Incident Energy (MeV)
19
72-Hf-182m


MAT 7250
(n,n') t
72-Hf-182m
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
Cross Section (barns)
Incident Energy (MeV)
72-Hf-182m
20


MAT 7250
(n,2n) p
72-Hf-182m
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m6
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
102
2
21
Incident Energy (MeV)
72-Hf-182m


MAT 7250
(n,3n) p
72-Hf-182m
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
102
2
22
Incident Energy (MeV)
72-Hf-182m


MAT 7250
(n,n') p α
72-Hf-182m
Radionuclide Production Cross Section
70-Yb-177g
70-Yb-177m6
Cross Section (barns)
Incident Energy (MeV)
23
72-Hf-182m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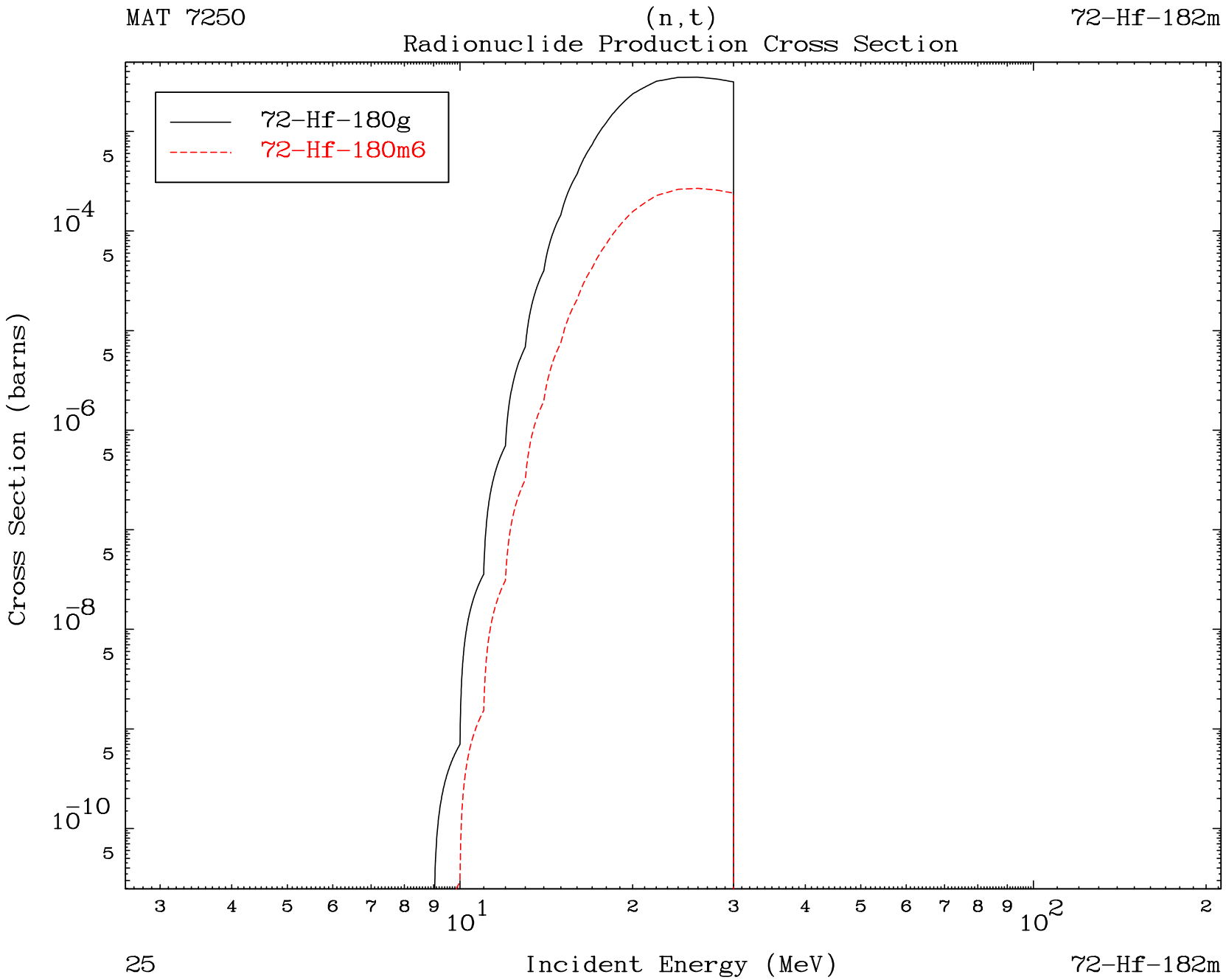
(n,p)
72-Hf-182m
Radionuclide Production Cross Section
72-Hf-182g
72-Hf-182m9
Cross Section (barns)
Incident Energy (MeV)
24
72-Hf-182m


MAT 7250
(n,t)
72-Hf-182m
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m6
Cross Section (barns)
10-4
10-6
10-8
10-10
5
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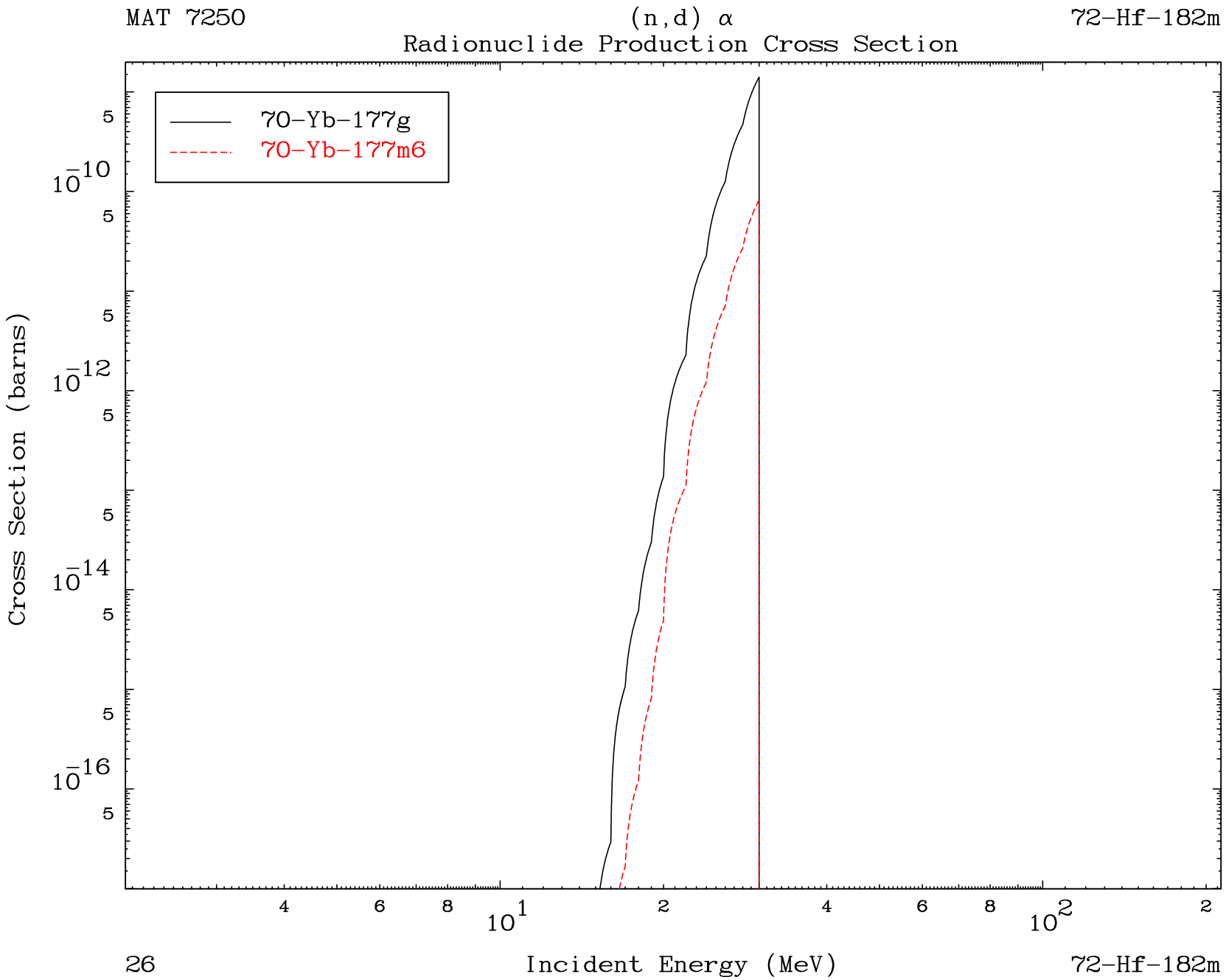
25
Incident Energy (MeV)
72-Hf-182m


MAT 7250
(n,d) α
72-Hf-182m
Radionuclide Production Cross Section
70-Yb-177g
70-Yb-177m6
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
4
6
8
10^1
2
10^2
Incident Energy (MeV)
26
72-Hf-182m