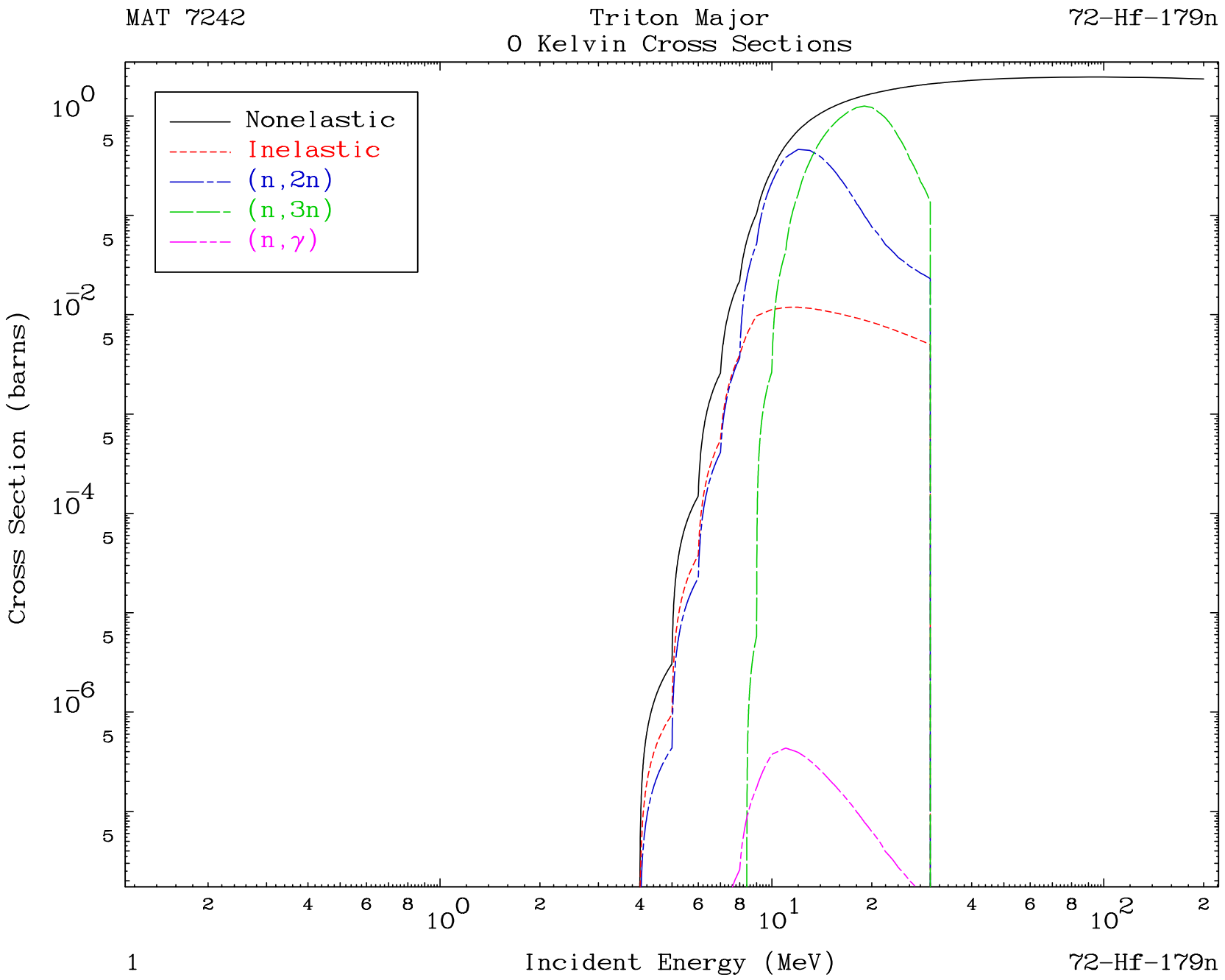
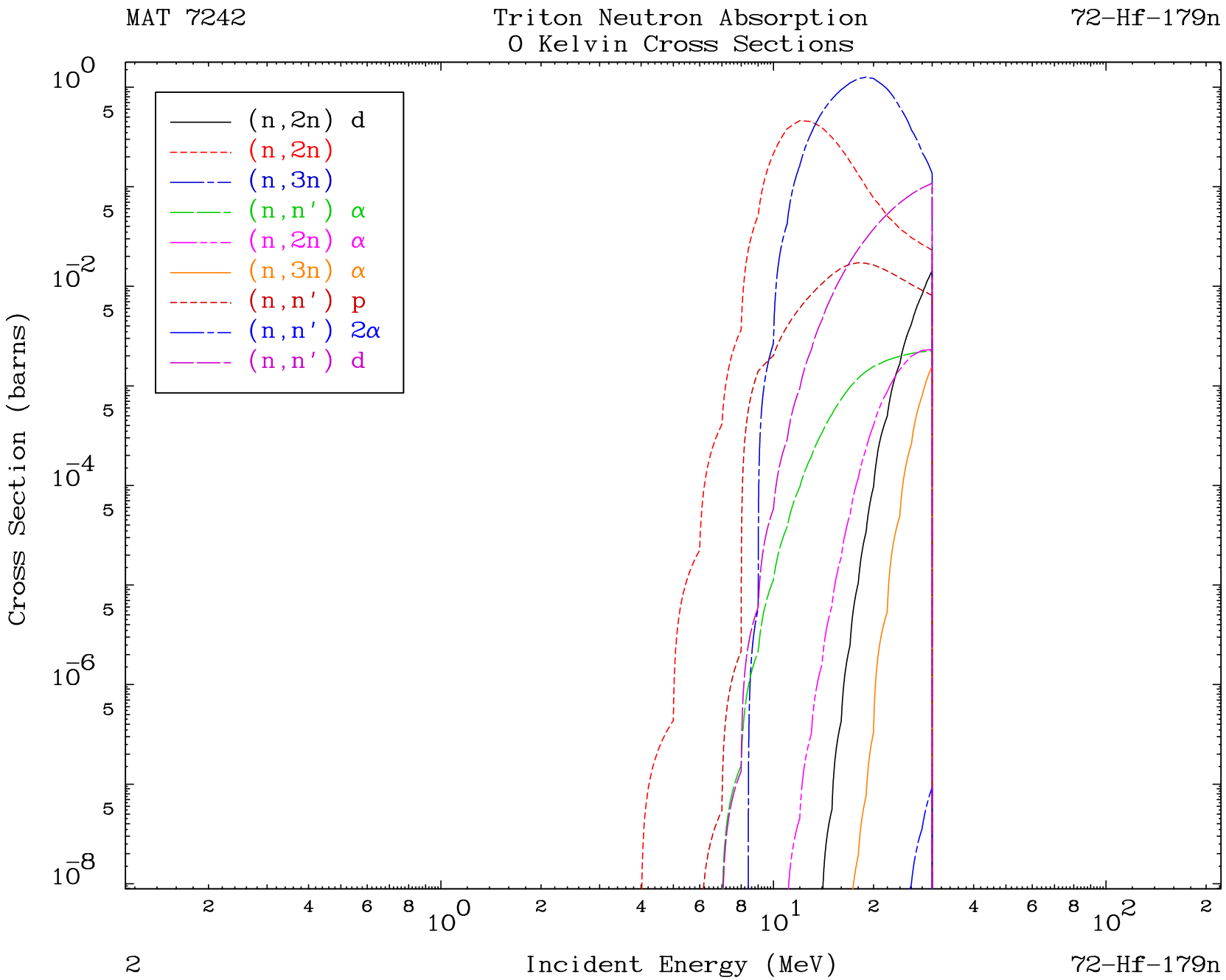
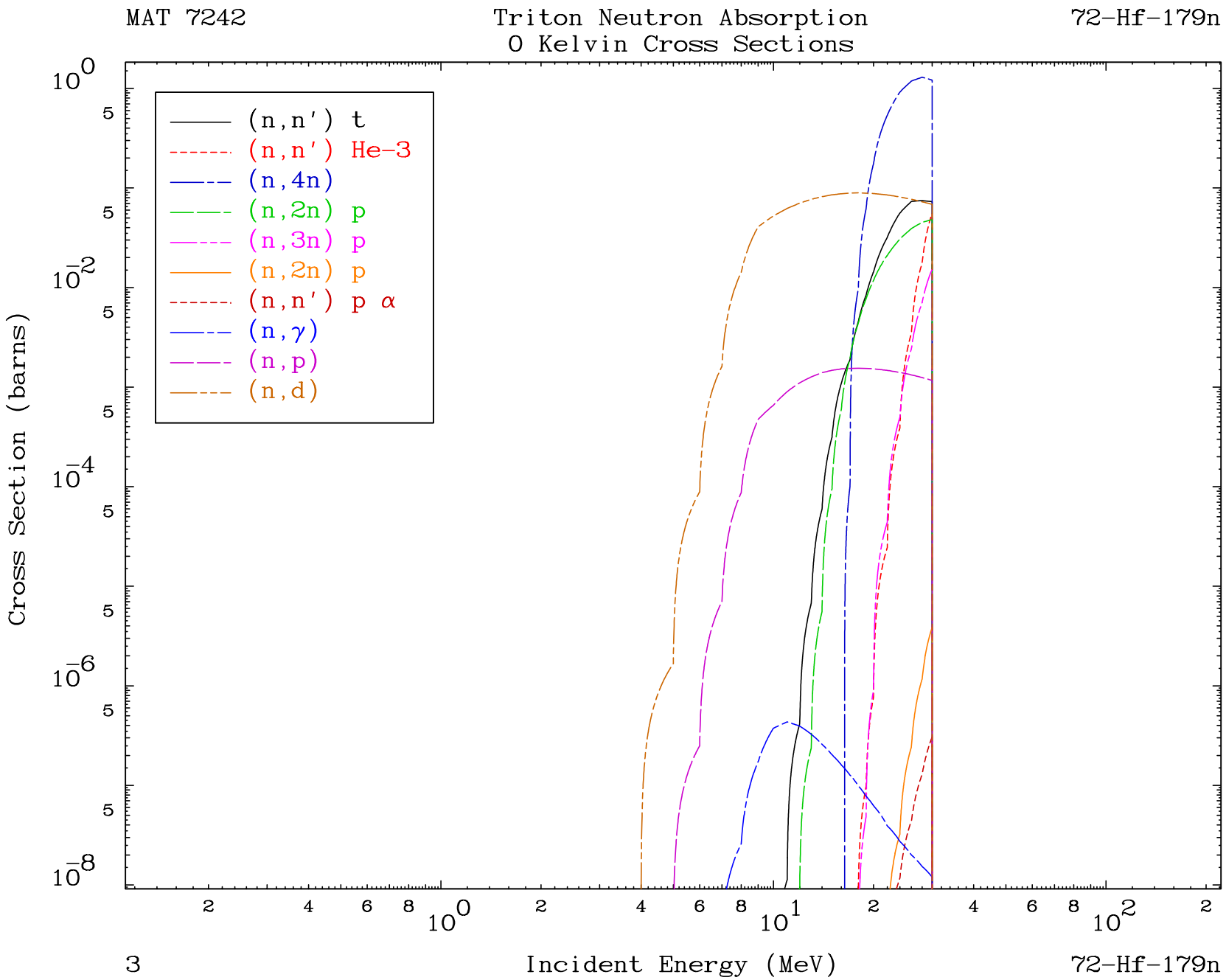
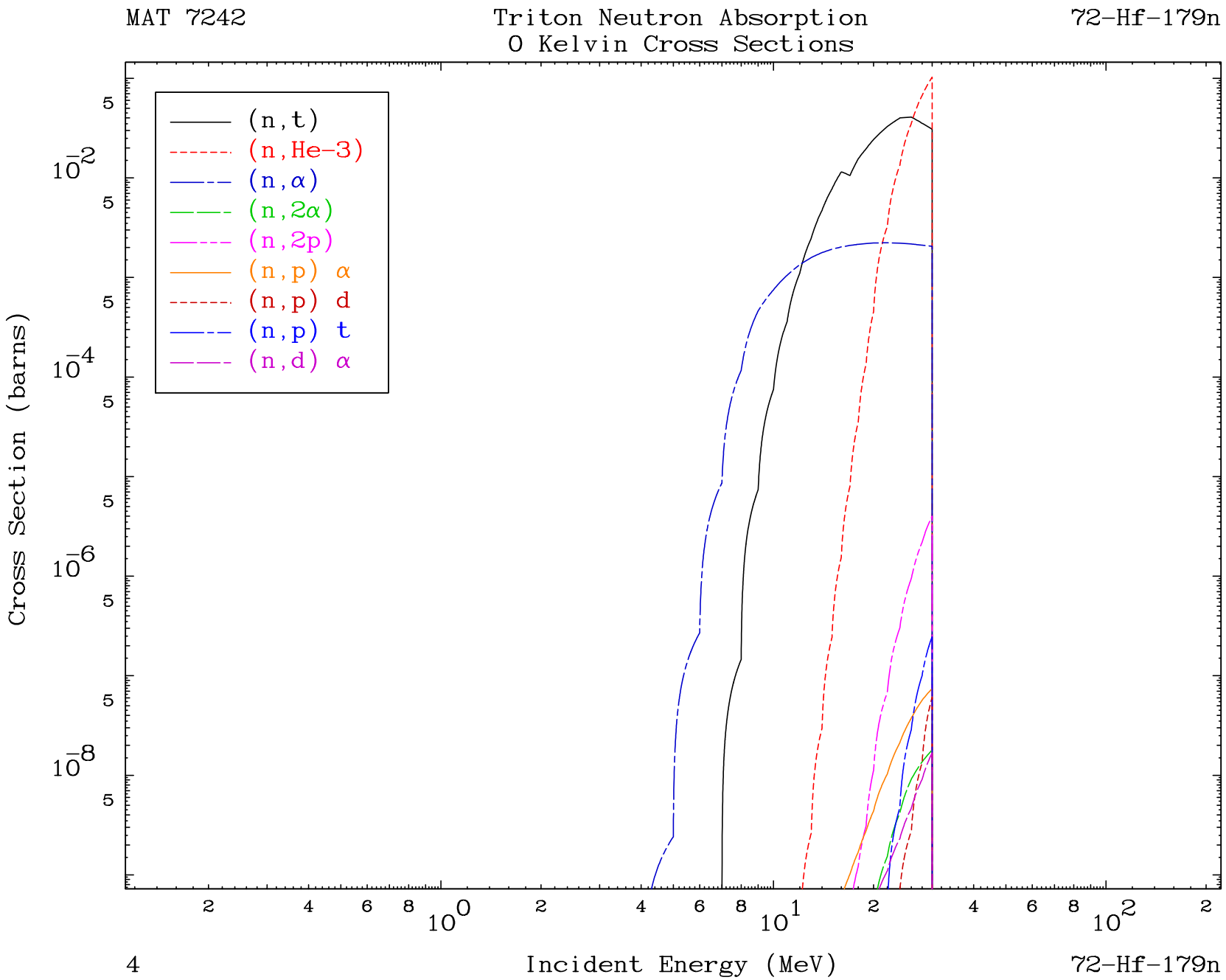
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

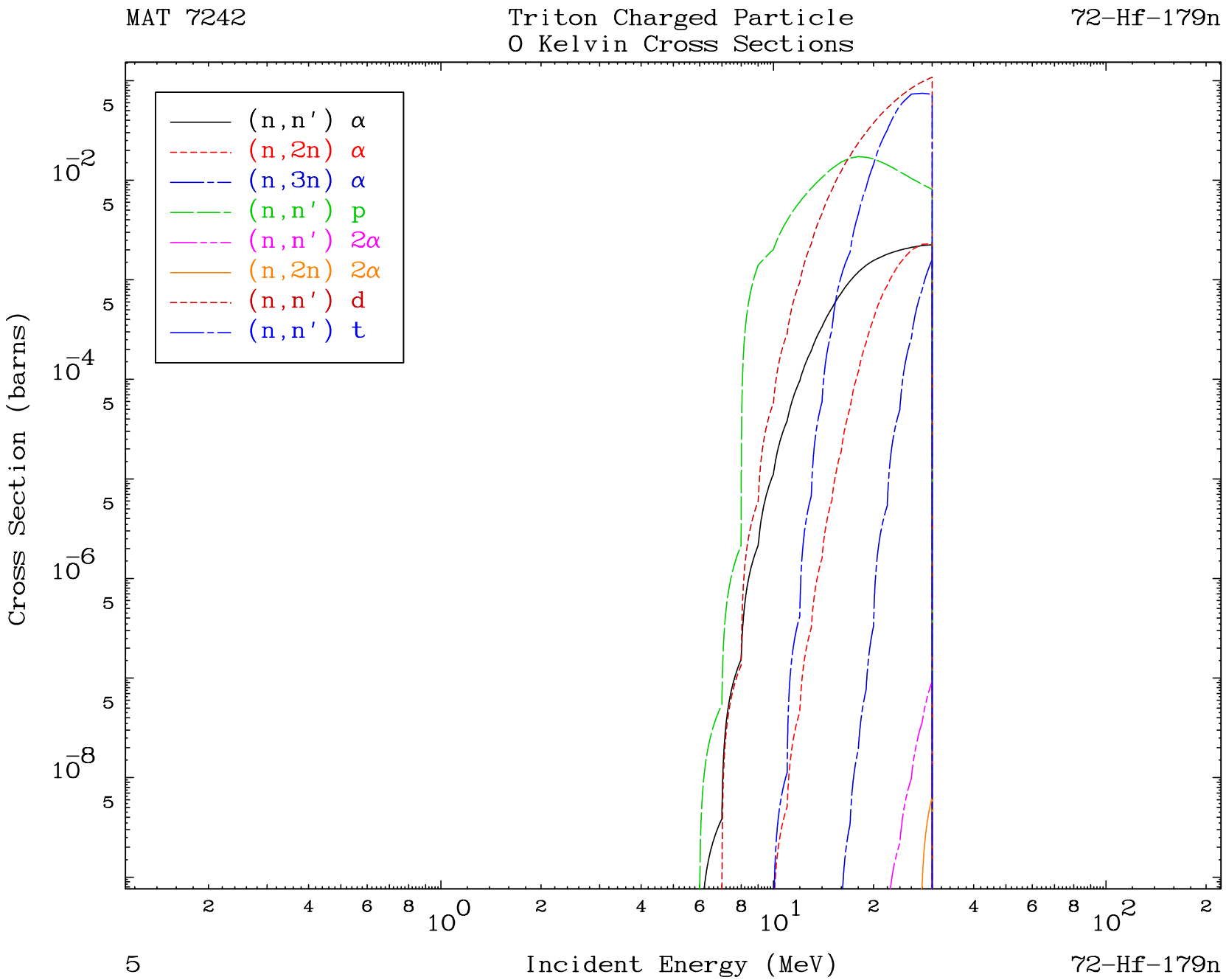
Press Mouse Button to Start

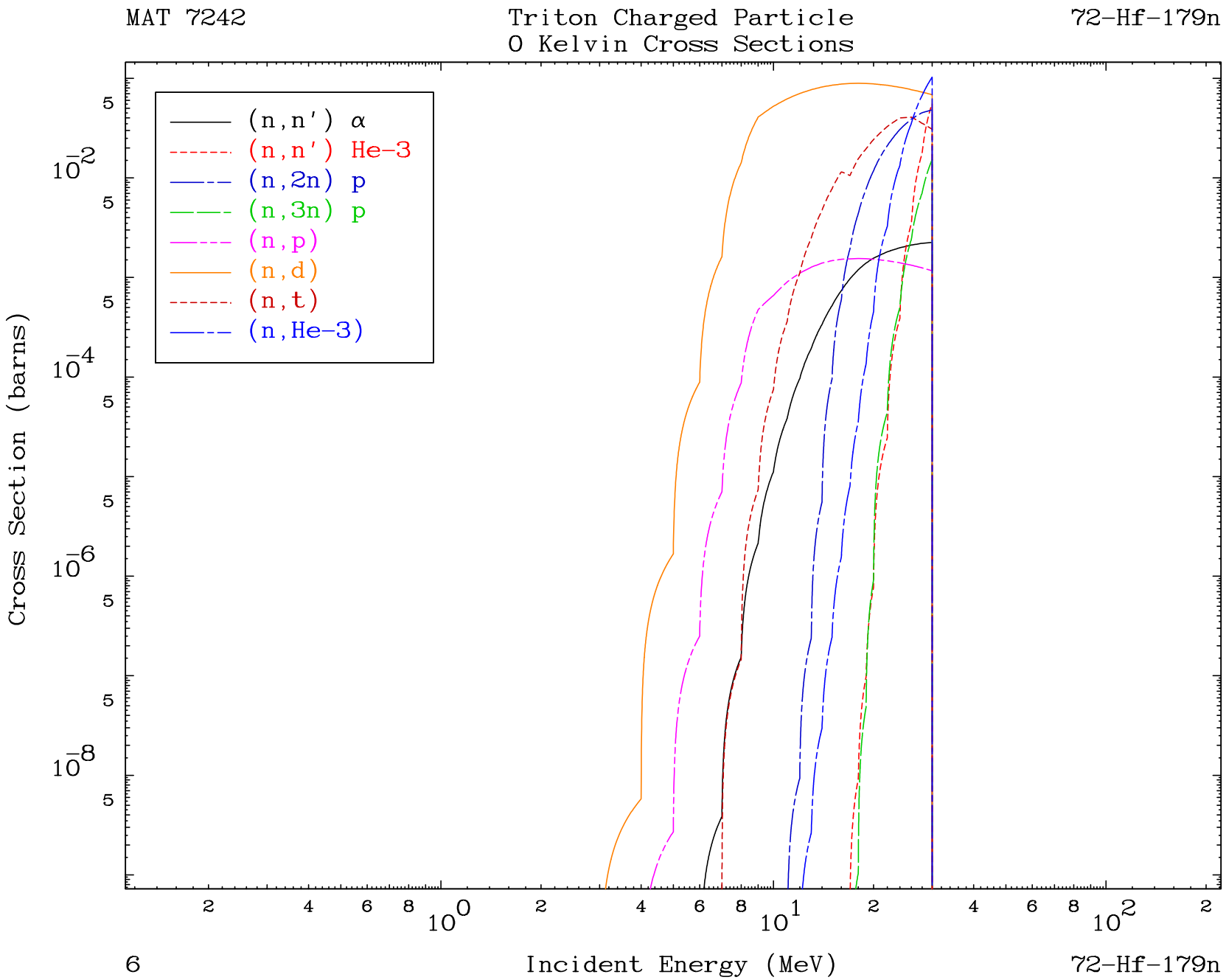

MAT 7242
Triton Major
72-Hf-179n
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-179n
1

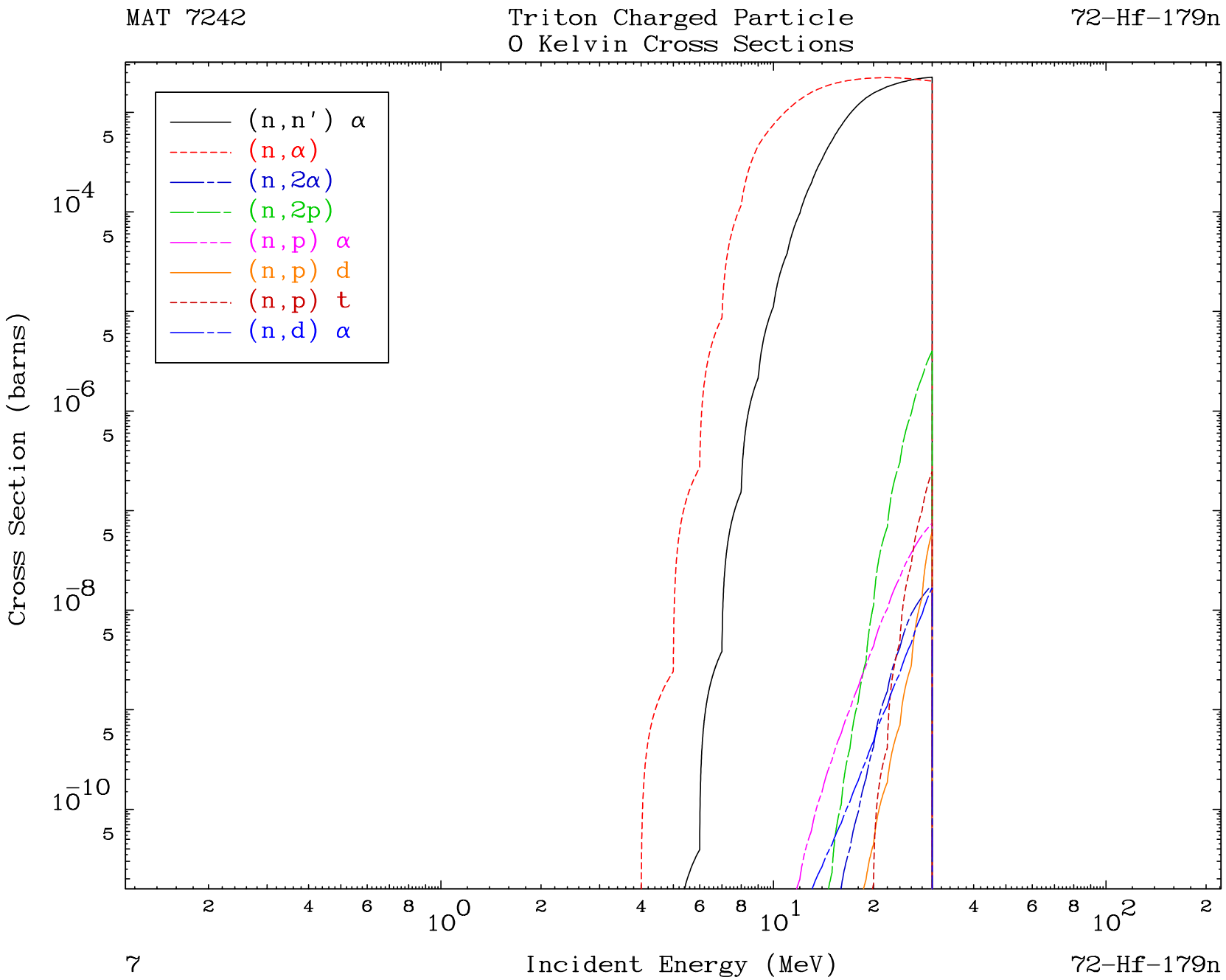

MAT 7242
Triton Neutron Absorption
0 Kelvin Cross Sections
72-Hf-179n
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
72-Hf-179n
2

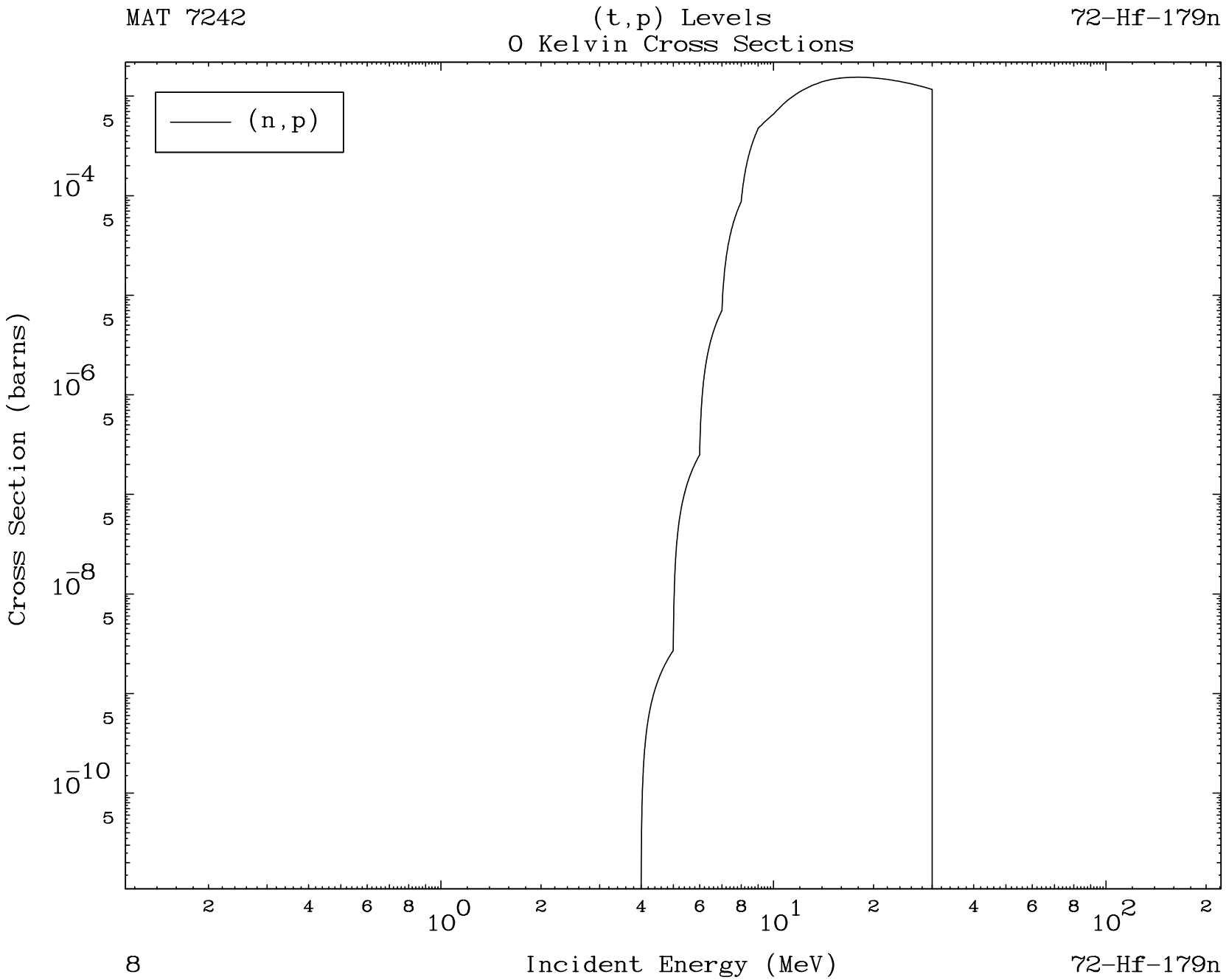

MAT 7242
Triton Neutron Absorption
0 Kelvin Cross Sections
72-Hf-179n
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
72-Hf-179n

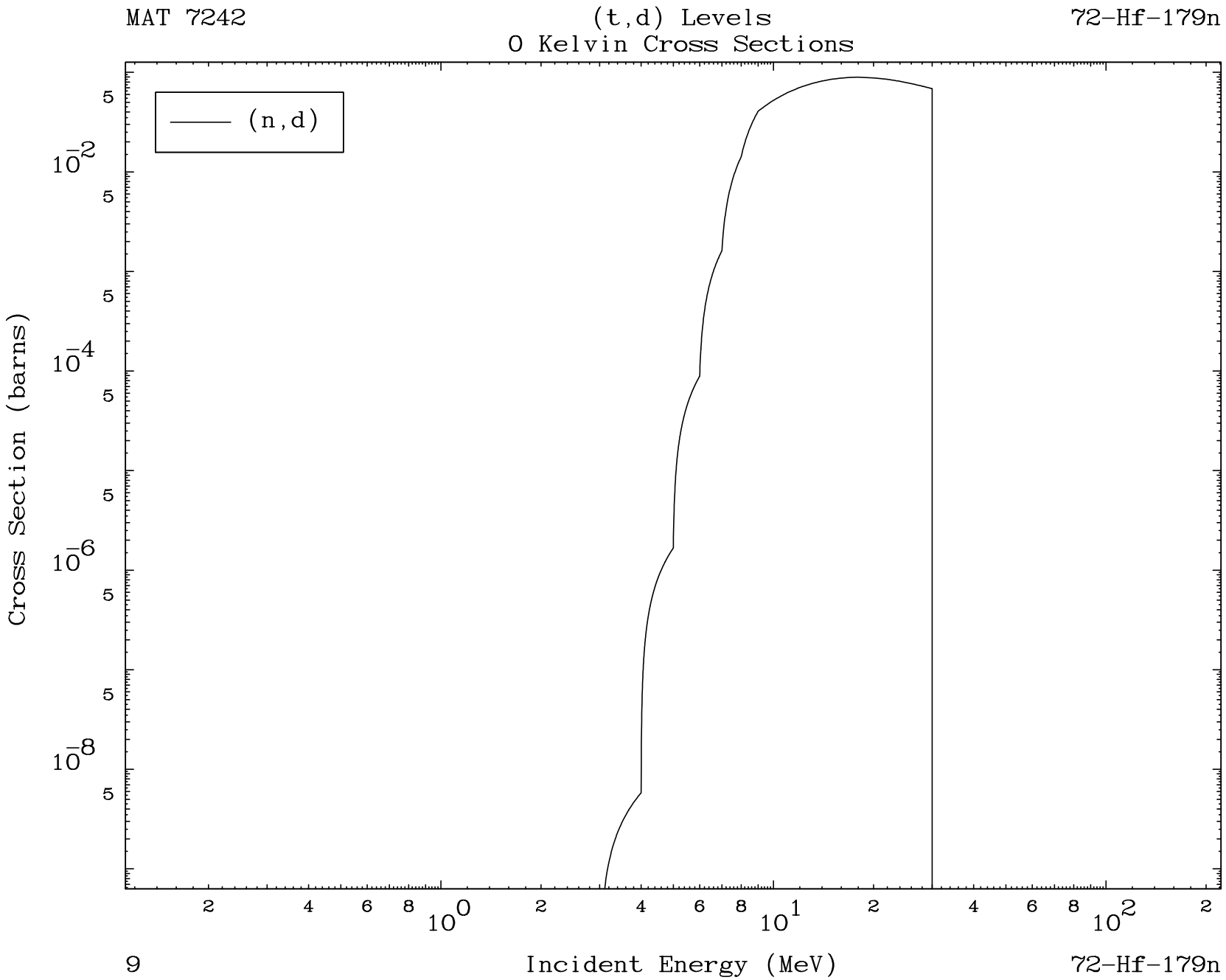

MAT 7242
Triton Neutron Absorption
0 Kelvin Cross Sections
72-Hf-179n
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
72-Hf-179n

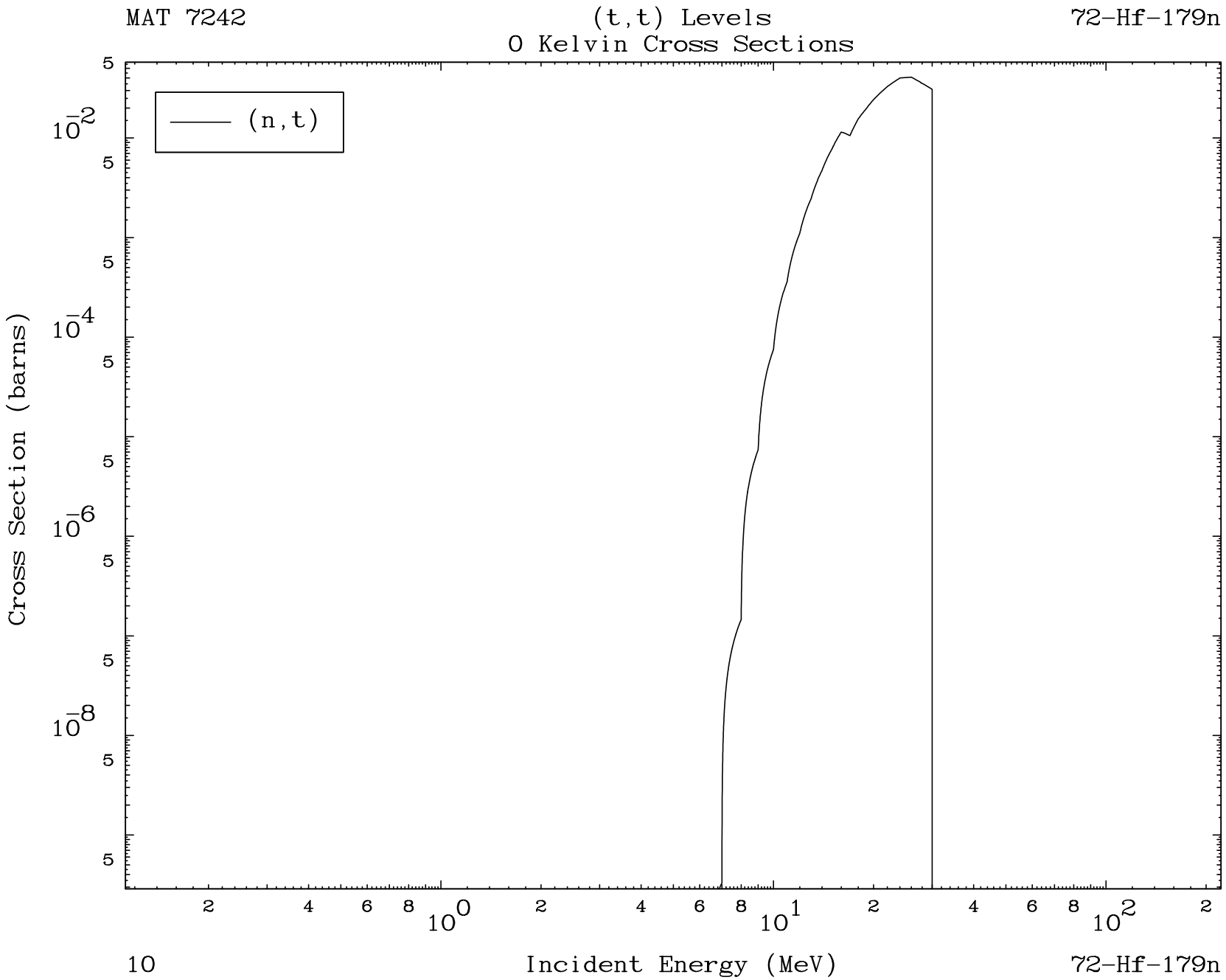

MAT 7242
Triton Charged Particle
0 Kelvin Cross Sections
72-Hf-179n
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
72-Hf-179n
5

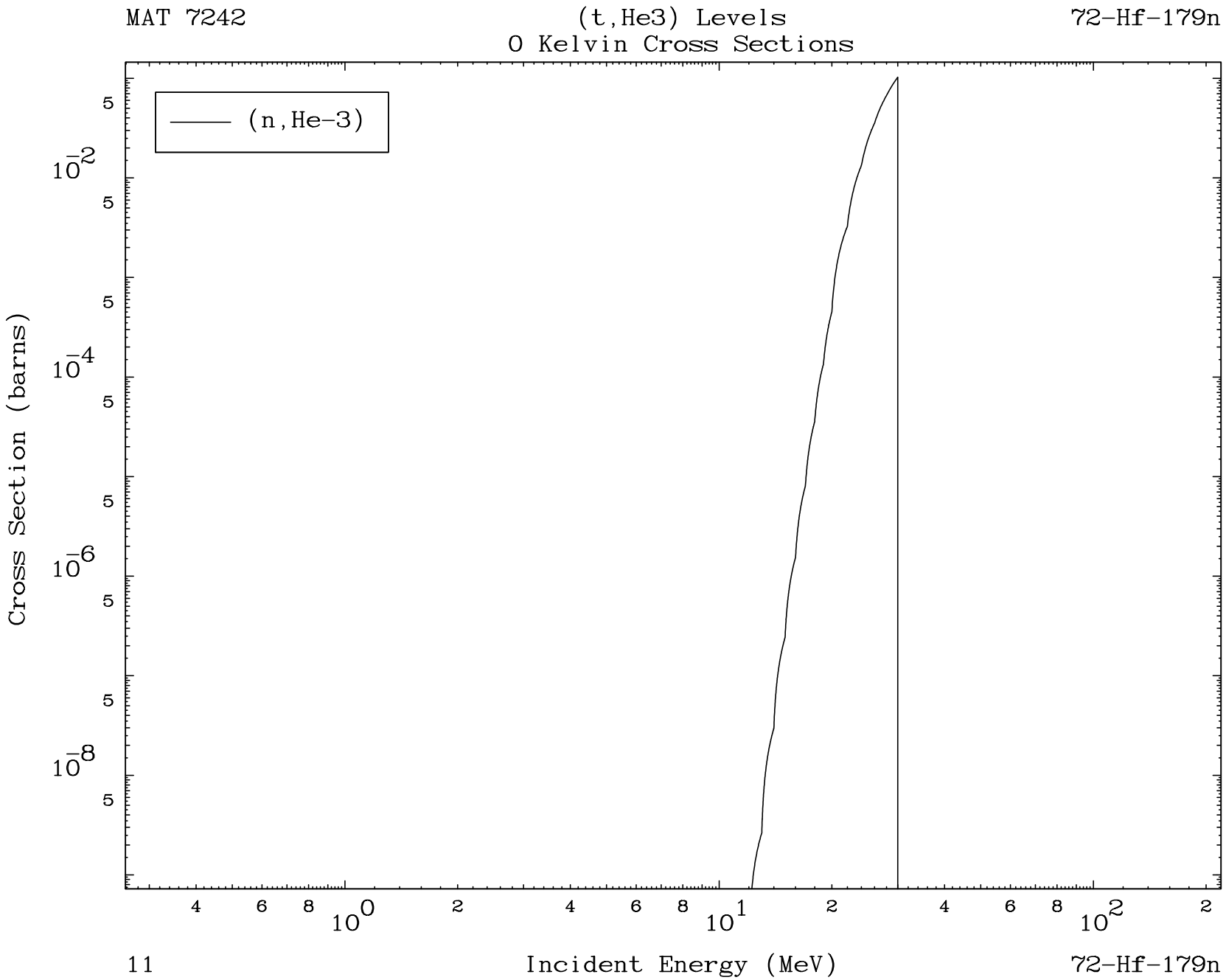

MAT 7242
Triton Charged Particle
0 Kelvin Cross Sections
72-Hf-179n
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
72-Hf-179n

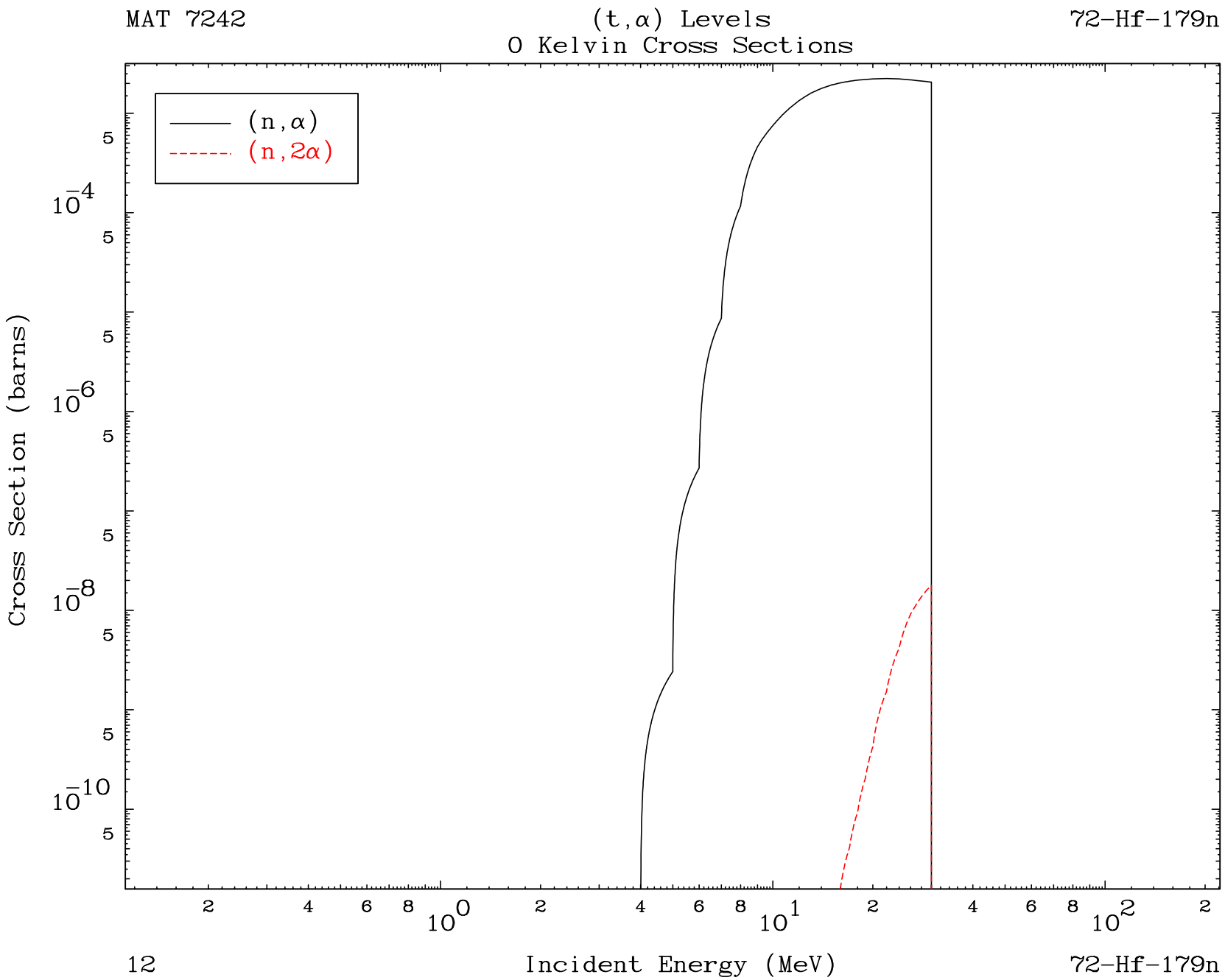

MAT 7242
Triton Charged Particle
0 Kelvin Cross Sections
72-Hf-179n
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
7
72-Hf-179n

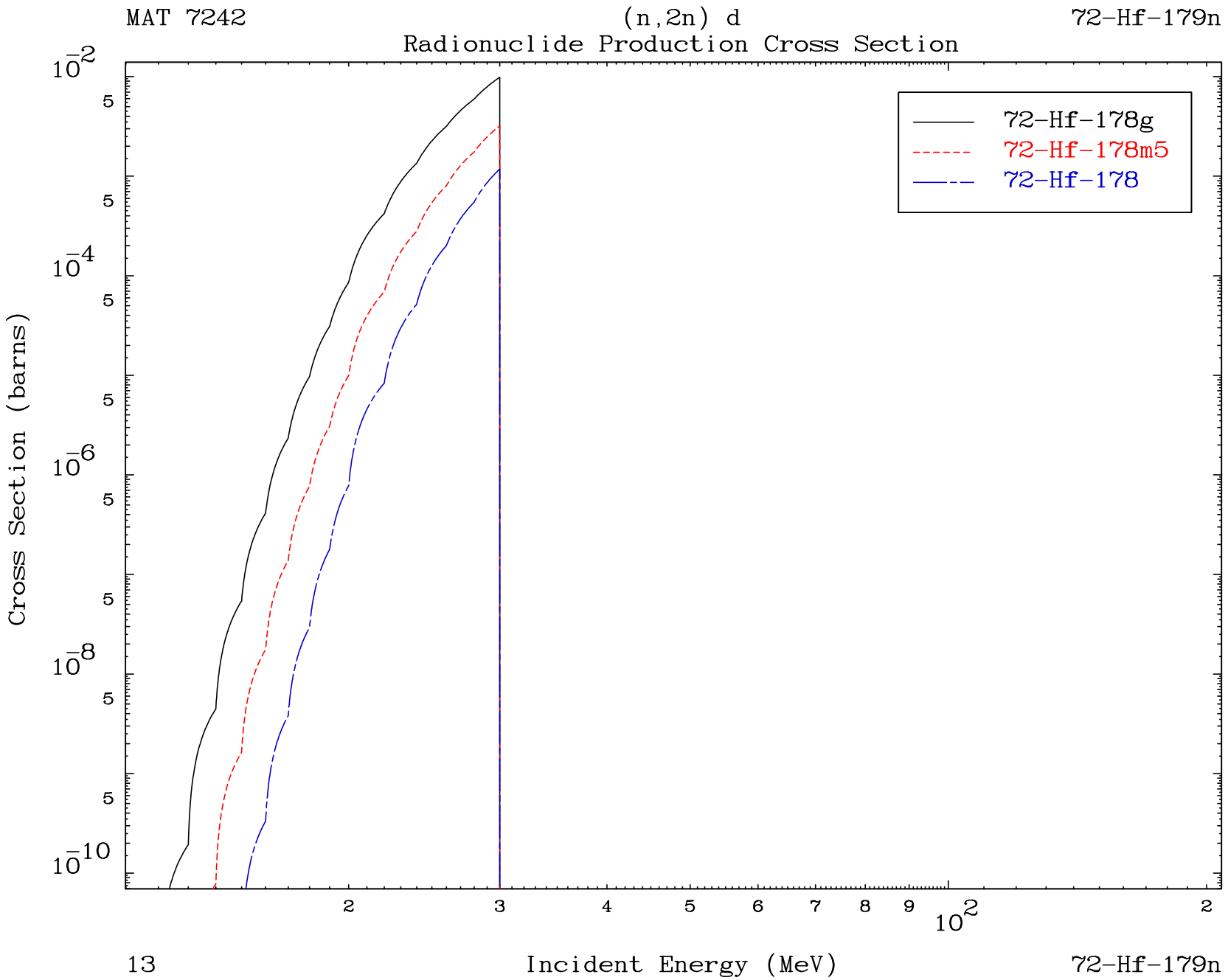

MAT 7242
(t,p) Levels
72-Hf-179n
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
8
72-Hf-179n

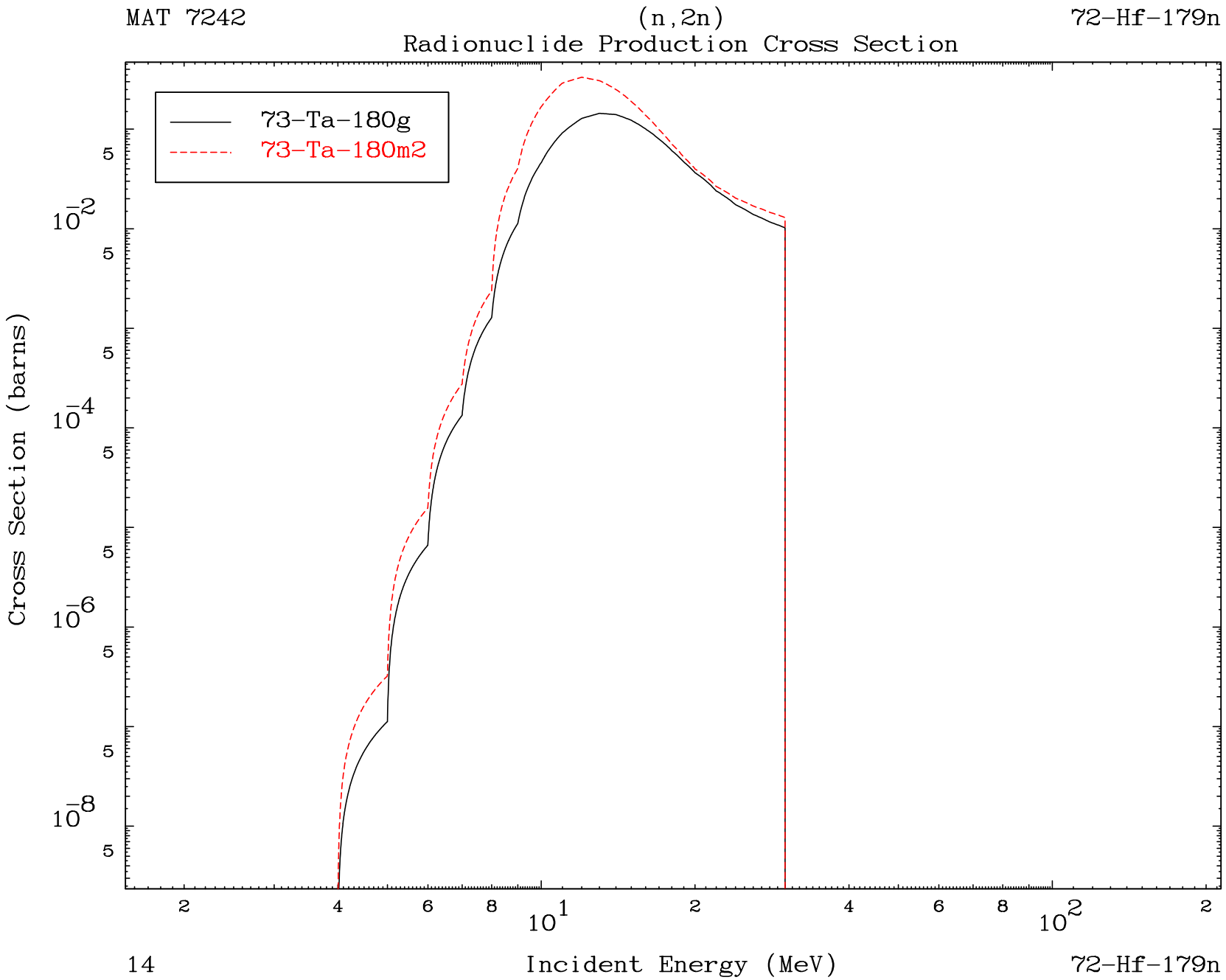

MAT 7242
(t,d) Levels
72-Hf-179n
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
72-Hf-179n

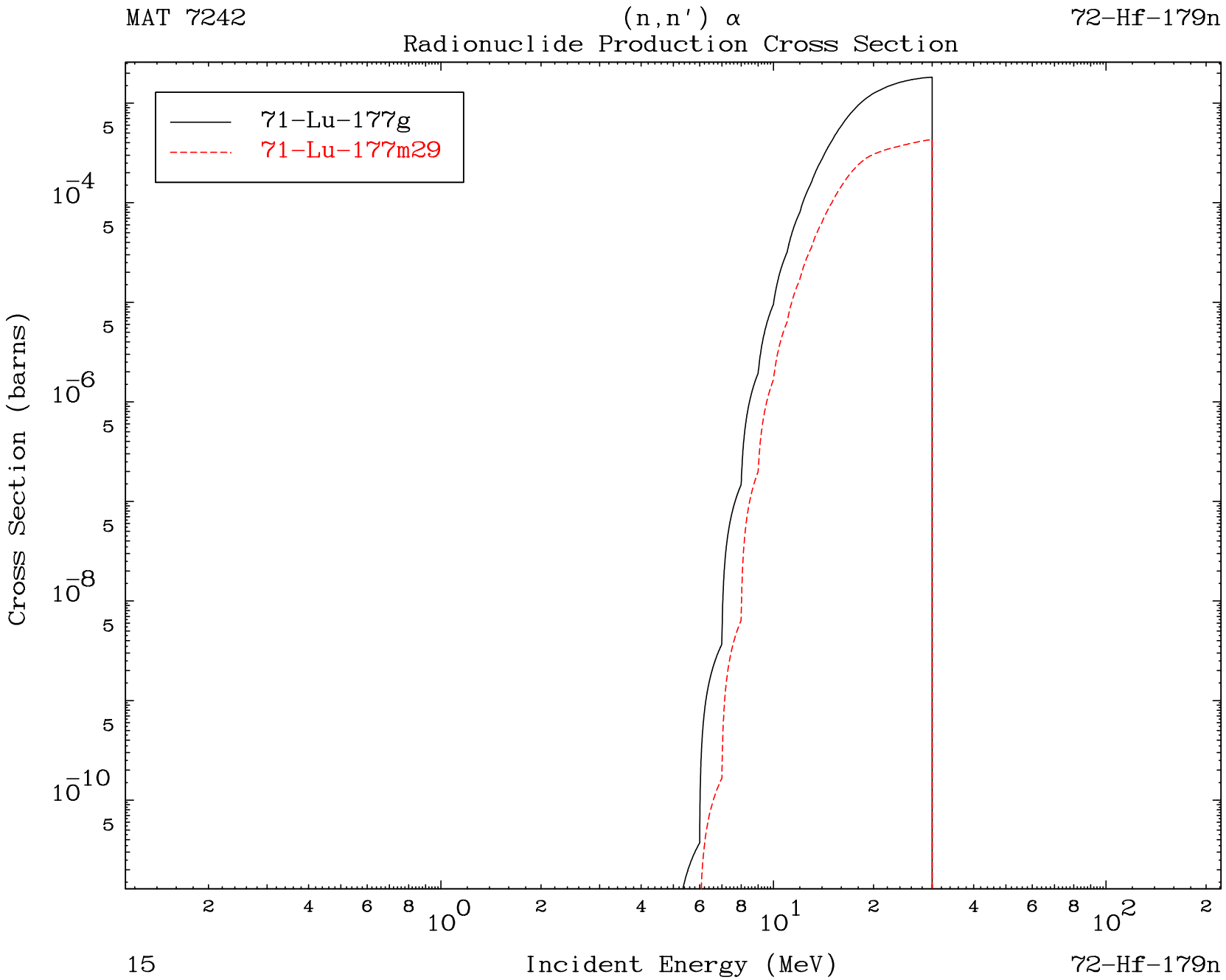

MAT 7242
(t,t) Levels
72-Hf-179n
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
72-Hf-179n

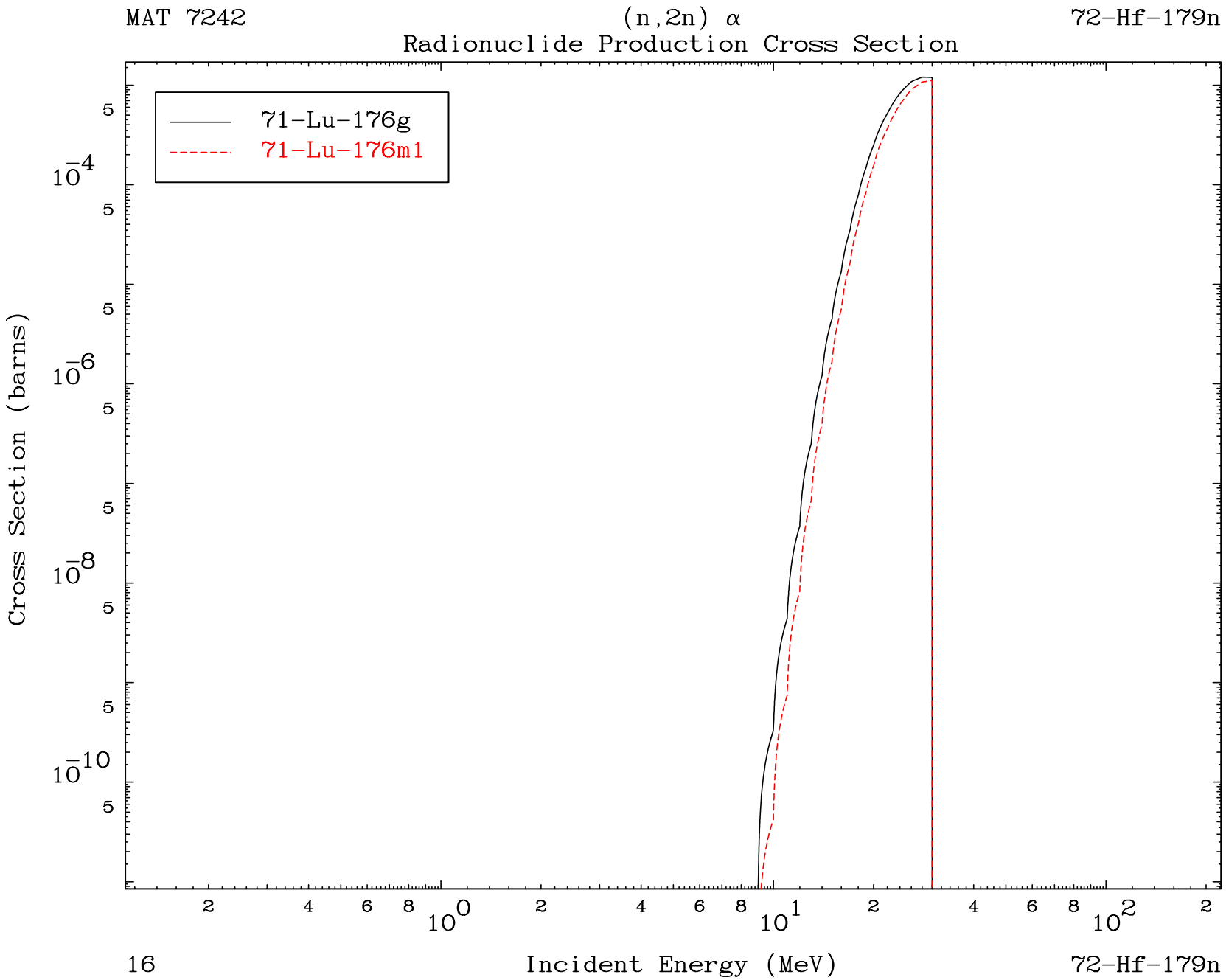

MAT 7242
(t,He3) Levels
72-Hf-179n
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4 6 8 100 2 4 6 8 101 2 4 6 8 102 2
Incident Energy (MeV)
11
72-Hf-179n

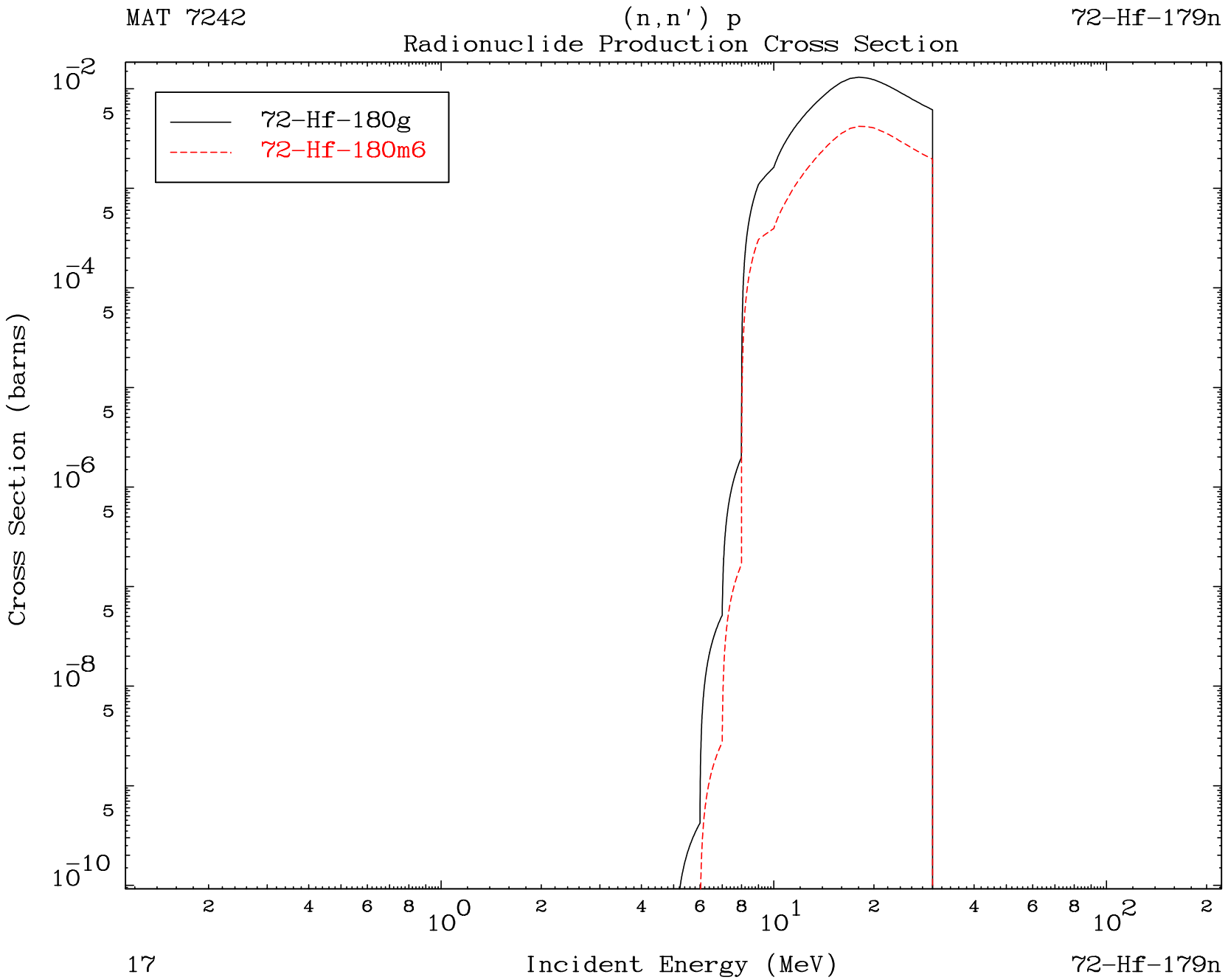

MAT 7242
(t,α) Levels
72-Hf-179n
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
12
72-Hf-179n

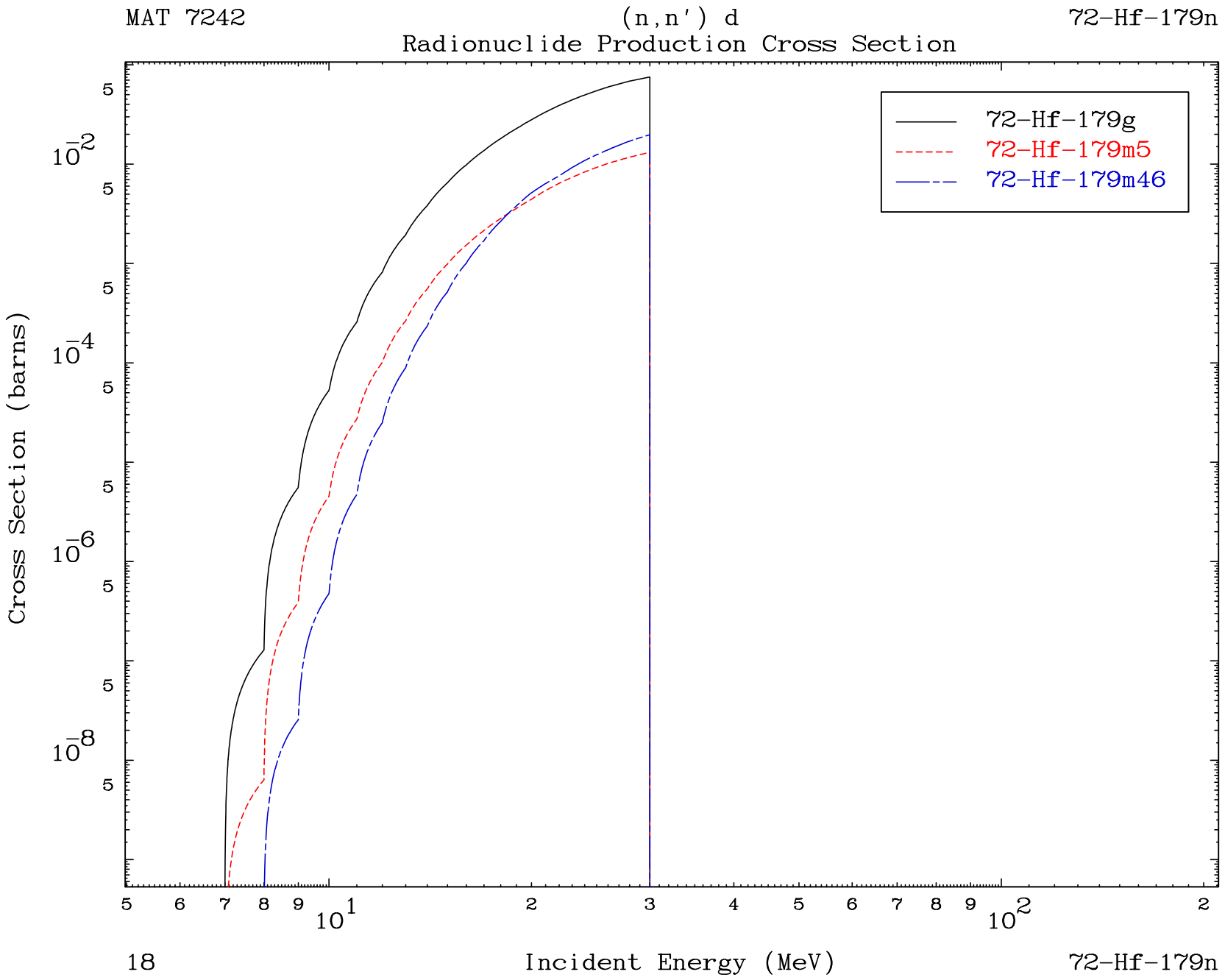

MAT 7242
(n,2n) d
72-Hf-179n
Radionuclide Production Cross Section
72-Hf-178g
72-Hf-178m5
72-Hf-178
Cross Section (barns)
Incident Energy (MeV)
13
72-Hf-179n

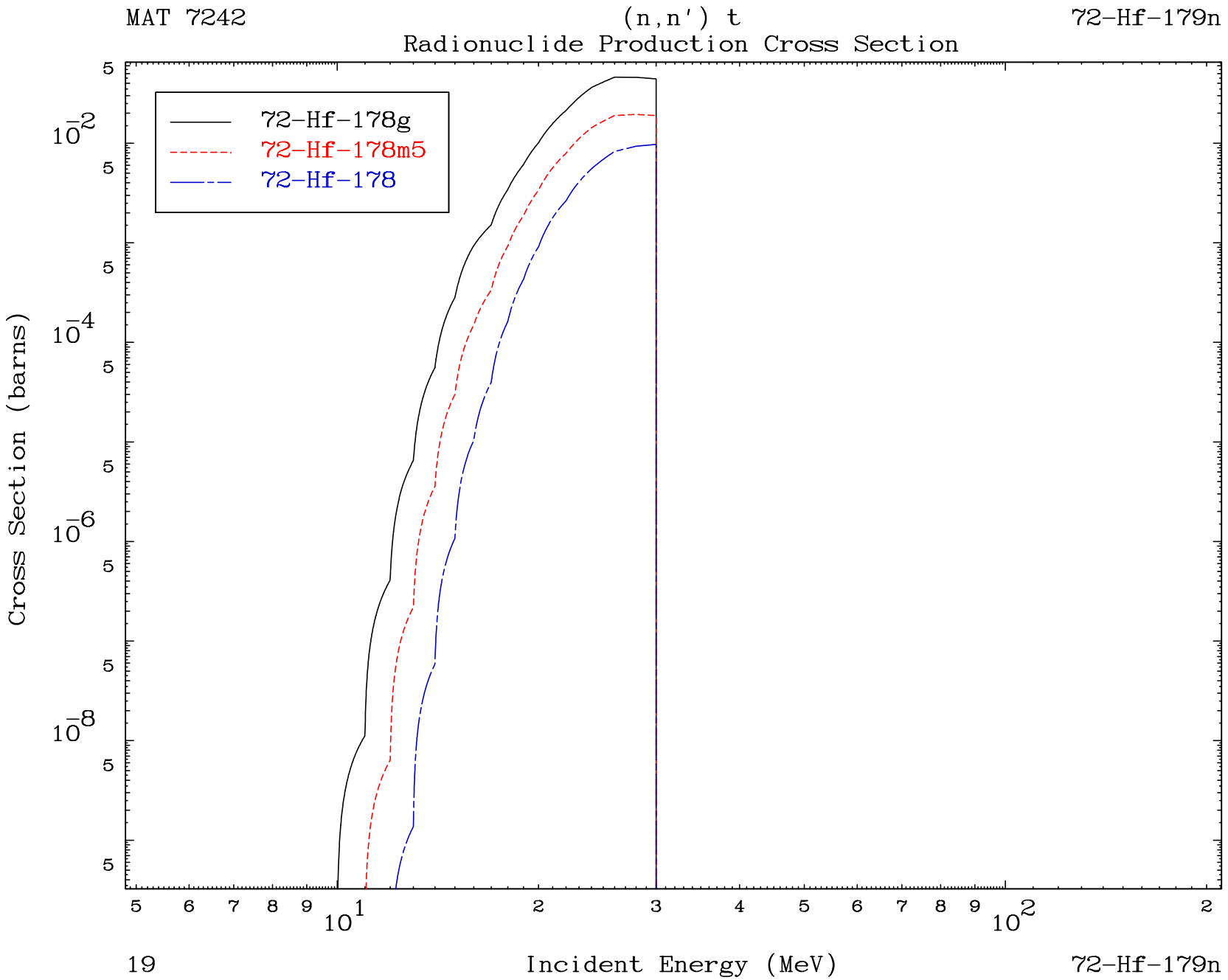

MAT 7242
(n,2n)
72-Hf-179n
Radionuclide Production Cross Section
73-Ta-180g
73-Ta-180m2
Cross Section (barns)
Incident Energy (MeV)
14
72-Hf-179n

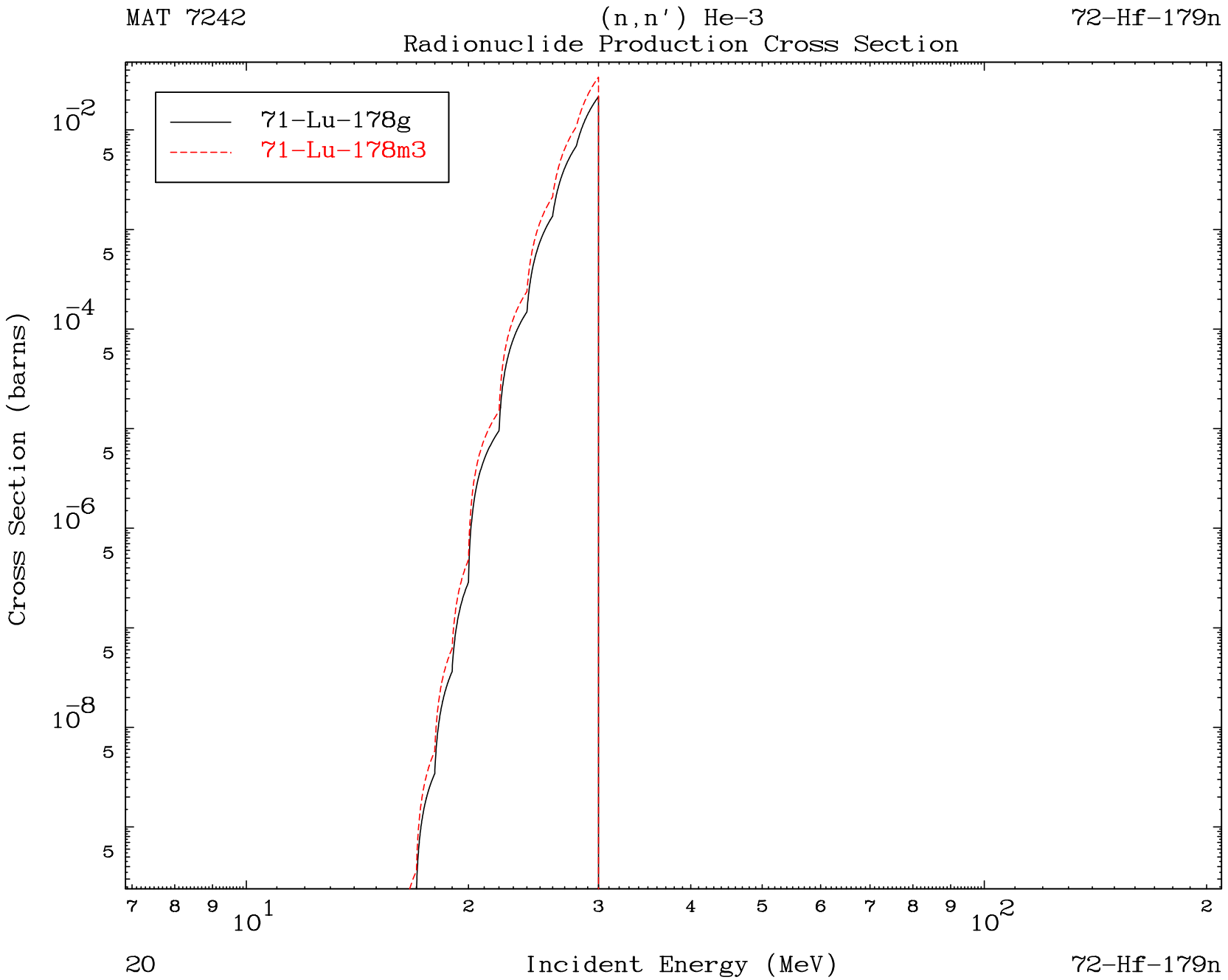

MAT 7242
(n,n') α
72-Hf-179n
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
15
72-Hf-179n

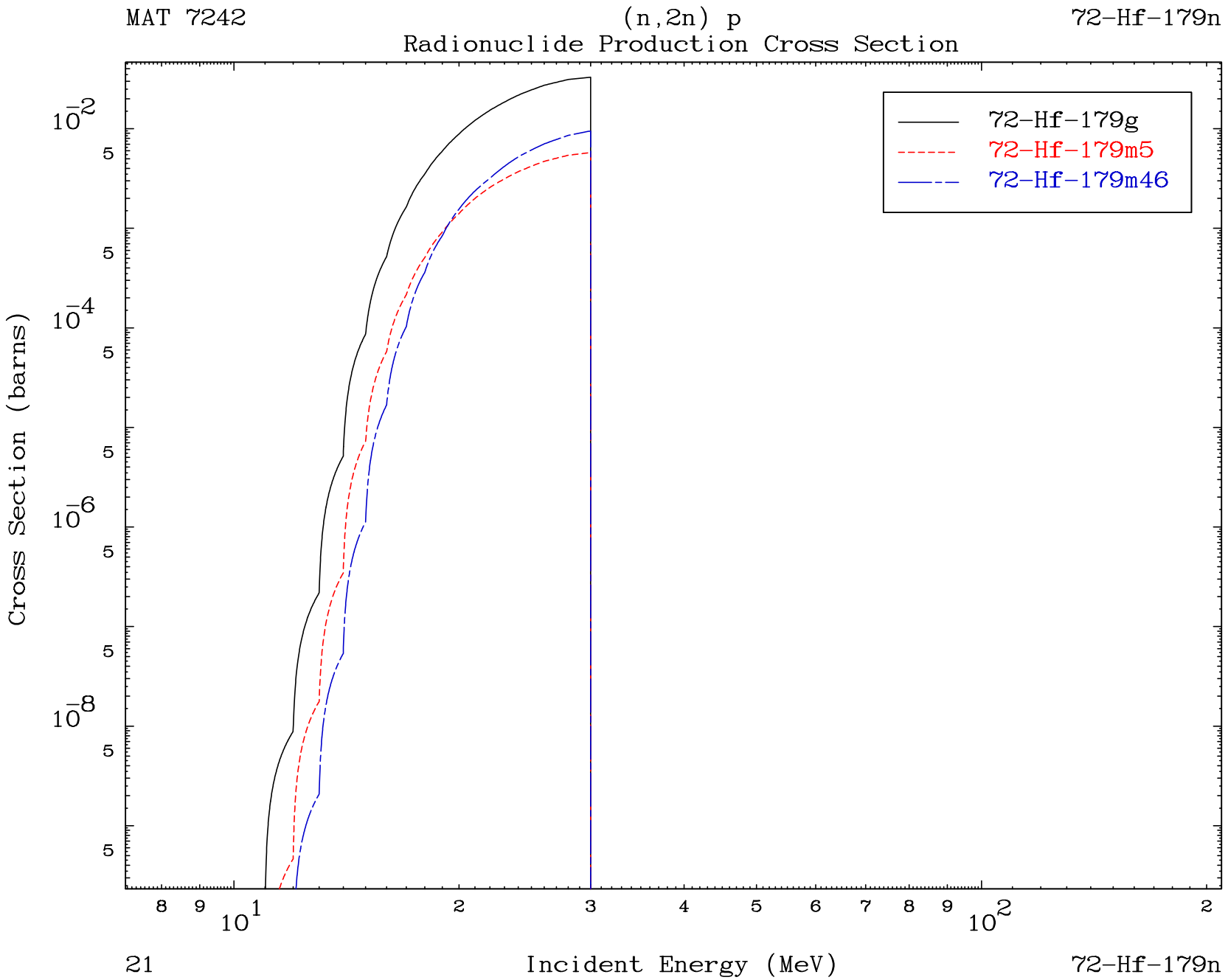

MAT 7242
(n,2n) α
72-Hf-179n
Radionuclide Production Cross Section
71-Lu-176g
71-Lu-176m1
Cross Section (barns)
Incident Energy (MeV)
16
72-Hf-179n

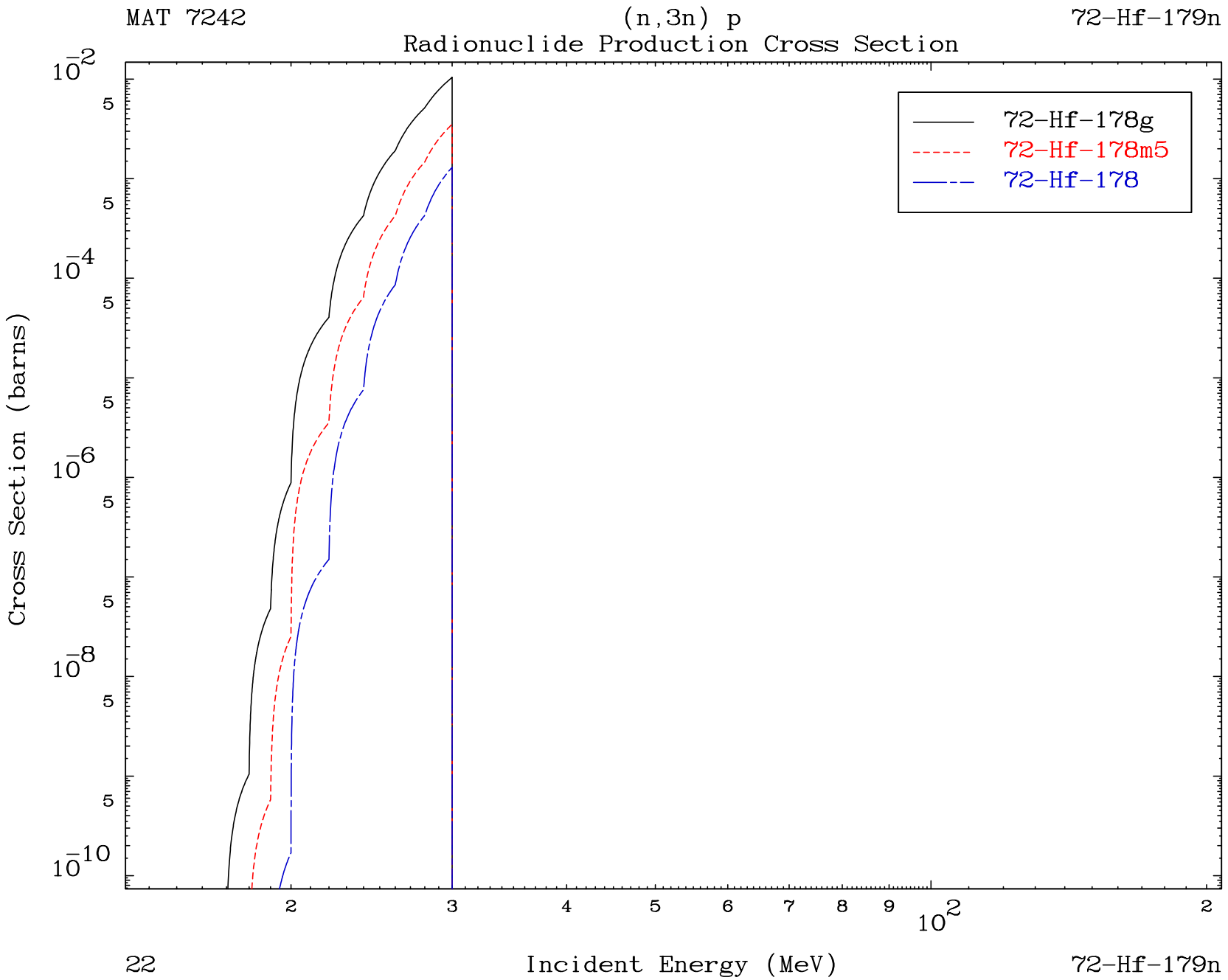

MAT 7242
(n,n') p
72-Hf-179n
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m6
Cross Section (barns)
Incident Energy (MeV)
17
72-Hf-179n

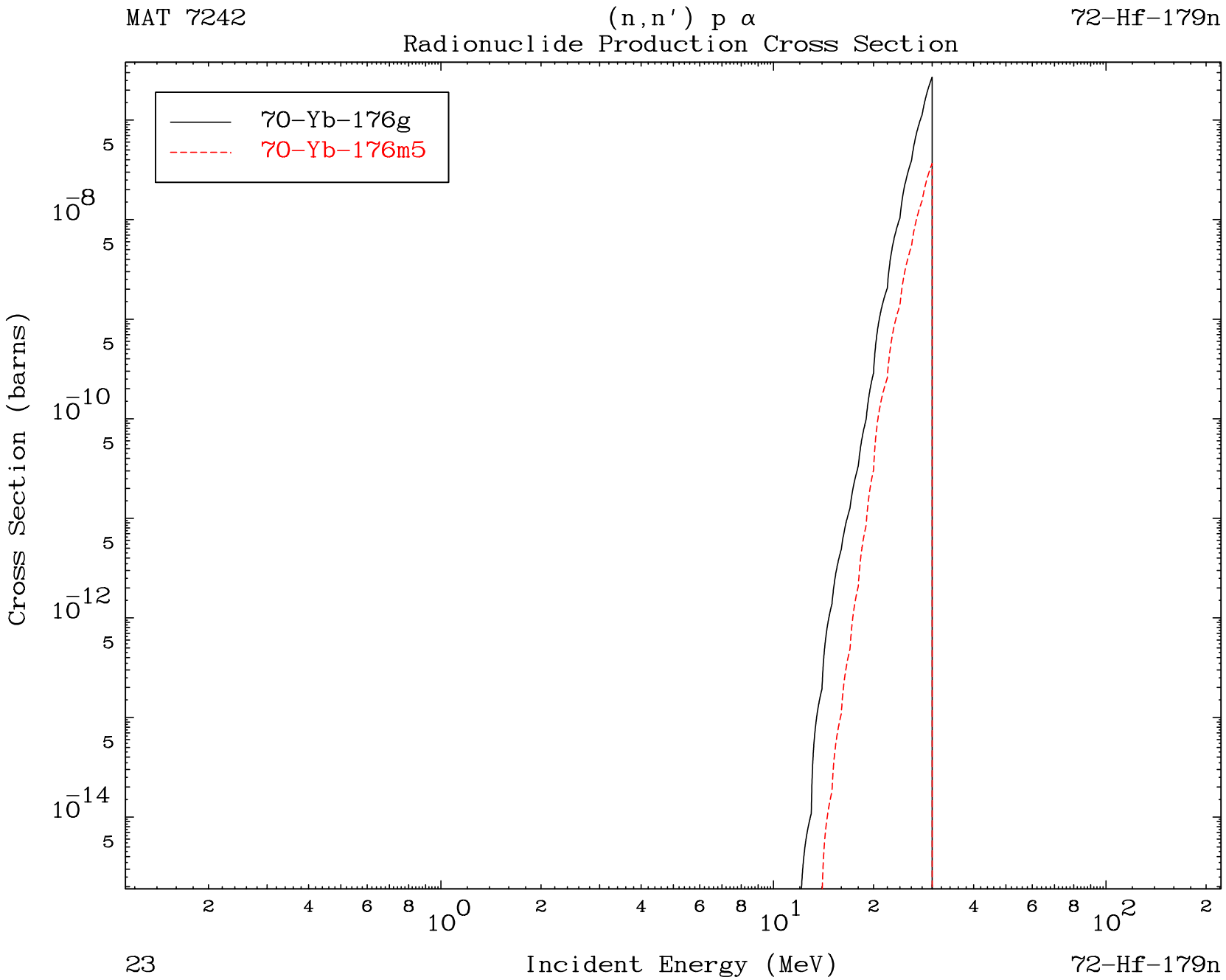

MAT 7242
(n,n') d
72-Hf-179n
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
72-Hf-179m46
Cross Section (barns)
Incident Energy (MeV)
18
72-Hf-179n

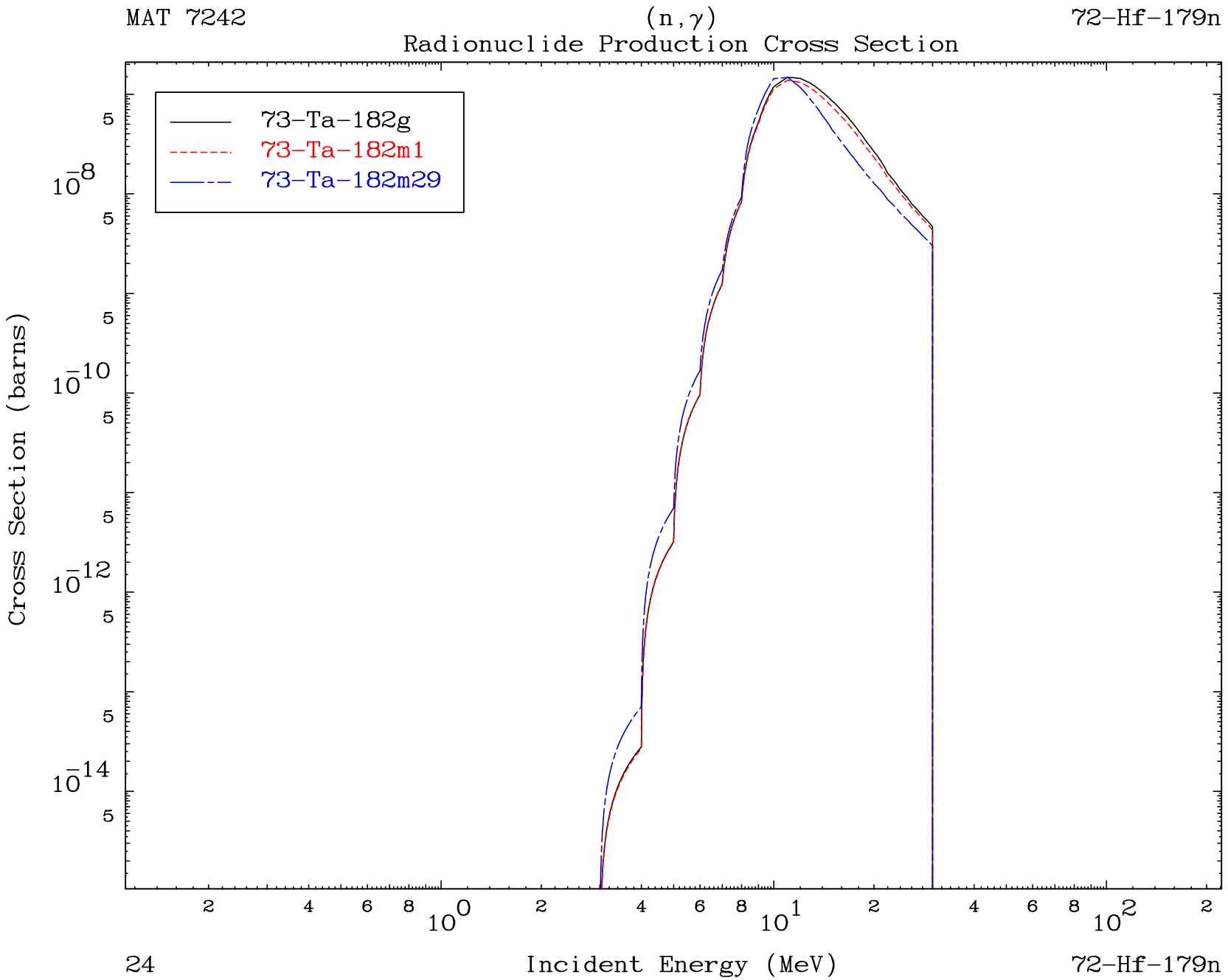

MAT 7242
(n,n') t
72-Hf-179n
Radionuclide Production Cross Section
72-Hf-178g
72-Hf-178m5
72-Hf-178
Cross Section (barns)
Incident Energy (MeV)
19
72-Hf-179n

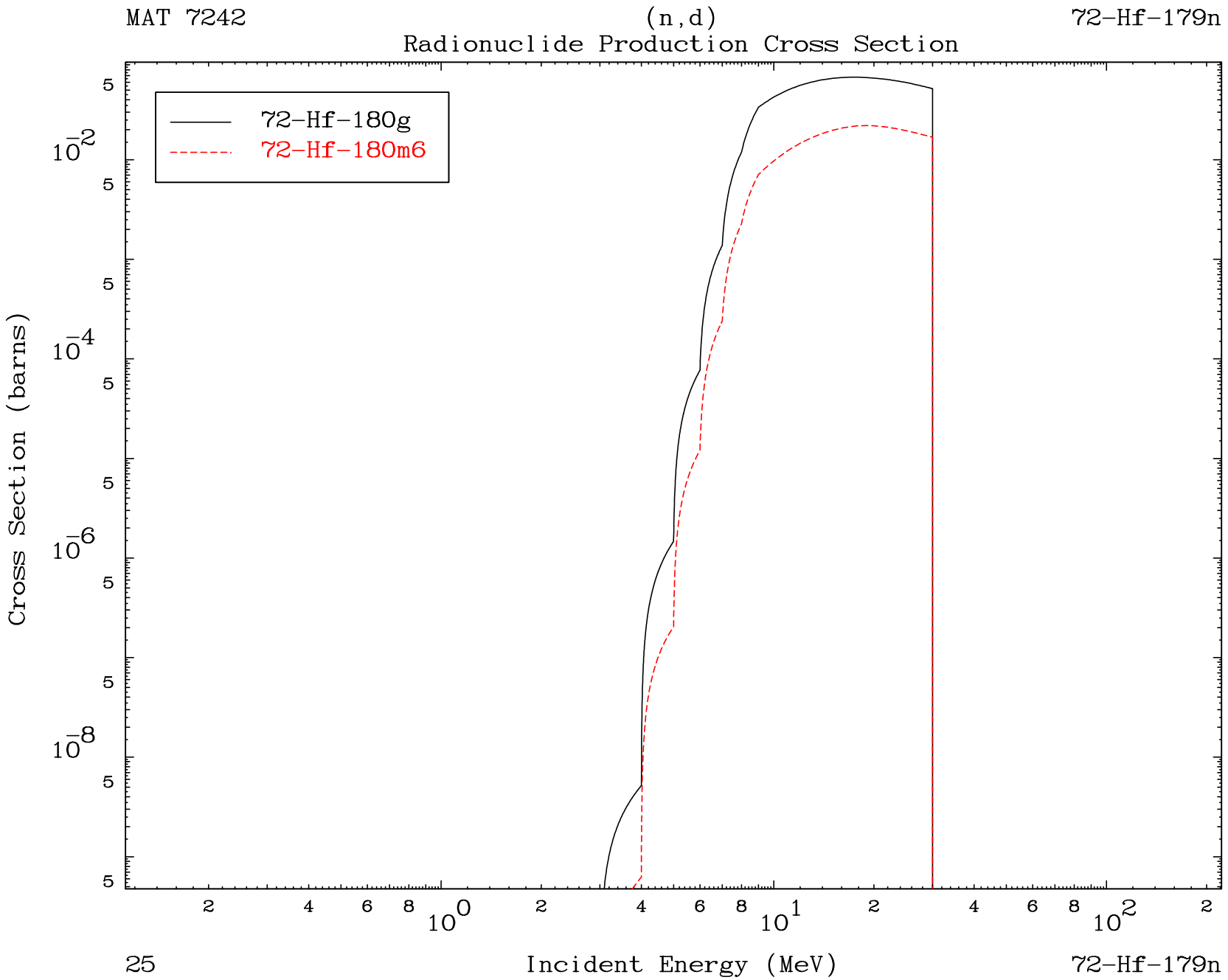

MAT 7242
(n,n') He-3
72-Hf-179n
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
Incident Energy (MeV)
20
72-Hf-179n

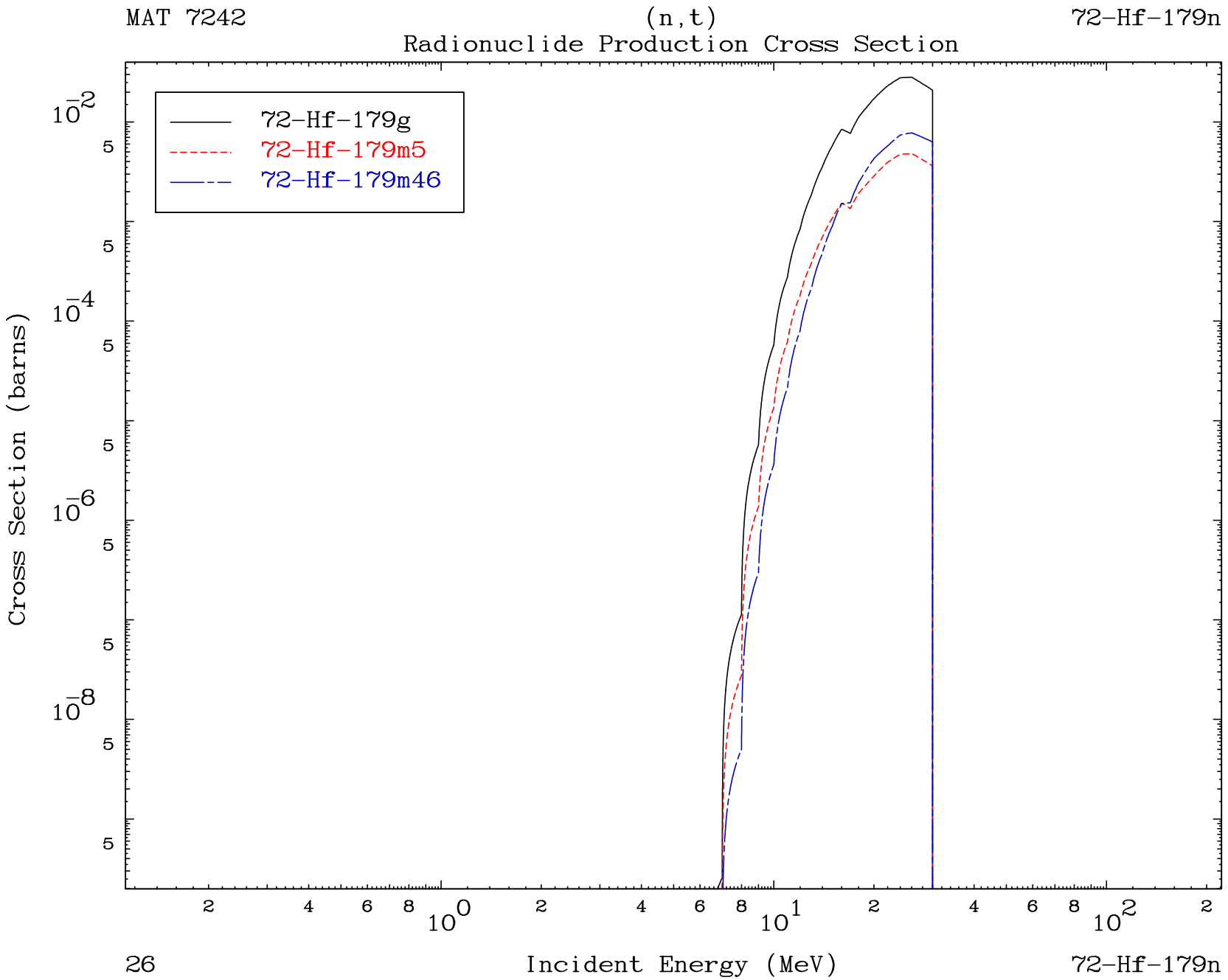

MAT 7242
(n,2n) p
72-Hf-179n
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
72-Hf-179m46
Cross Section (barns)
10-2
10-4
10-6
10-8
5
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
21
72-Hf-179n

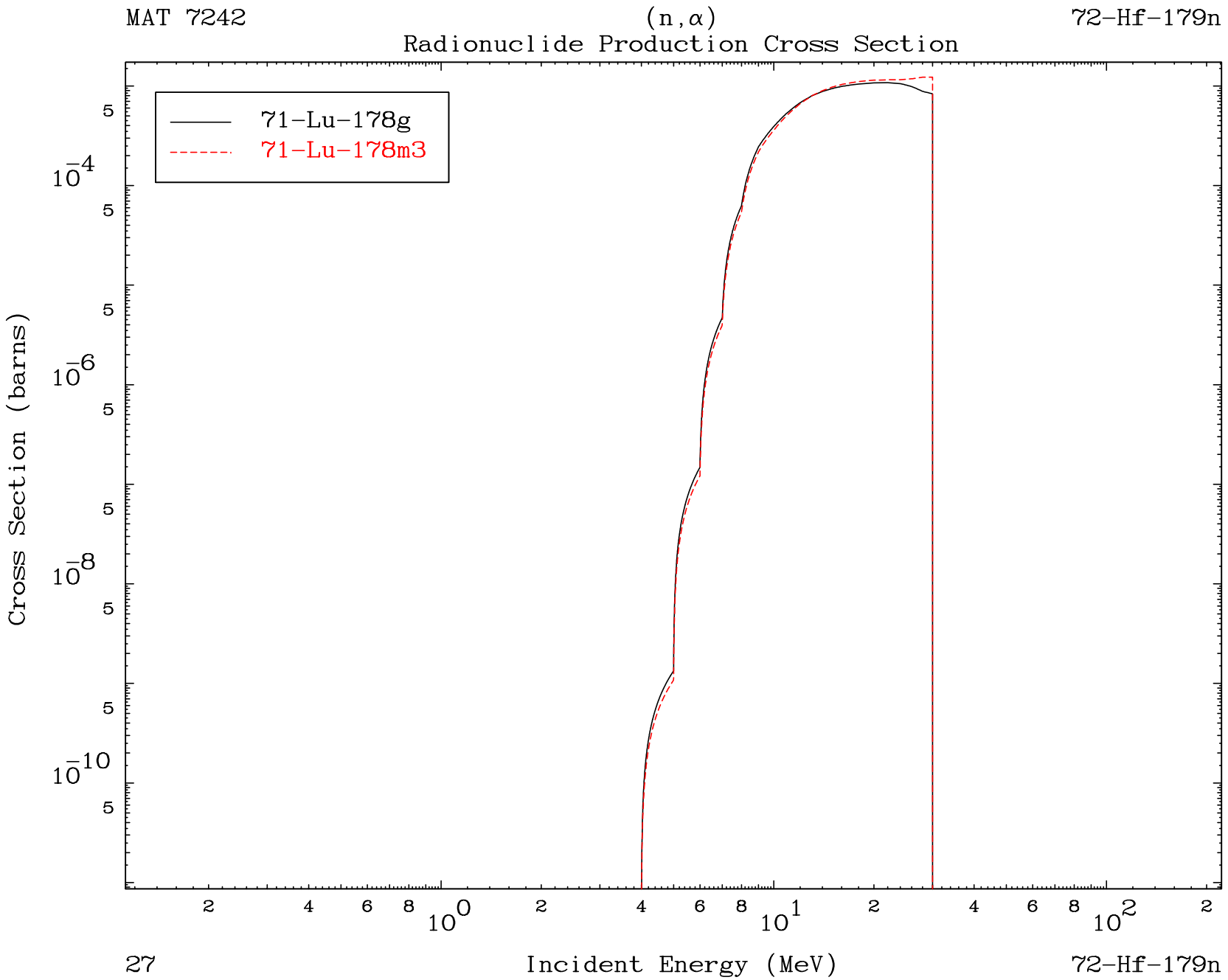

MAT 7242
(n,3n) p
72-Hf-179n
Radionuclide Production Cross Section
72-Hf-178g
72-Hf-178m5
72-Hf-178
Cross Section (barns)
Incident Energy (MeV)
22
72-Hf-179n

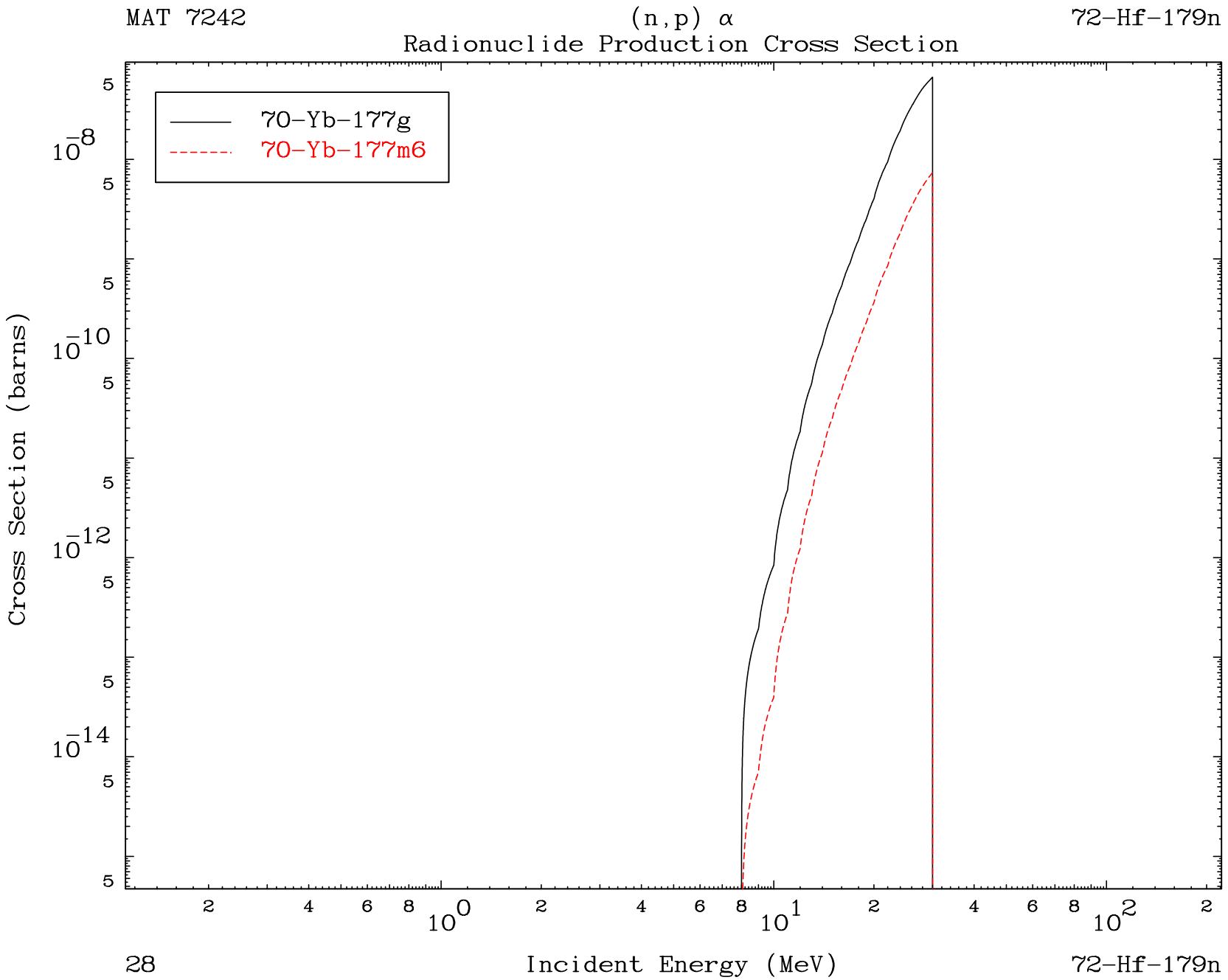

MAT 7242
(n,n') p α
72-Hf-179n
Radionuclide Production Cross Section
70-Yb-176g
70-Yb-176m5
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
4
6
8
100
101
102
23
Incident Energy (MeV)
72-Hf-179n

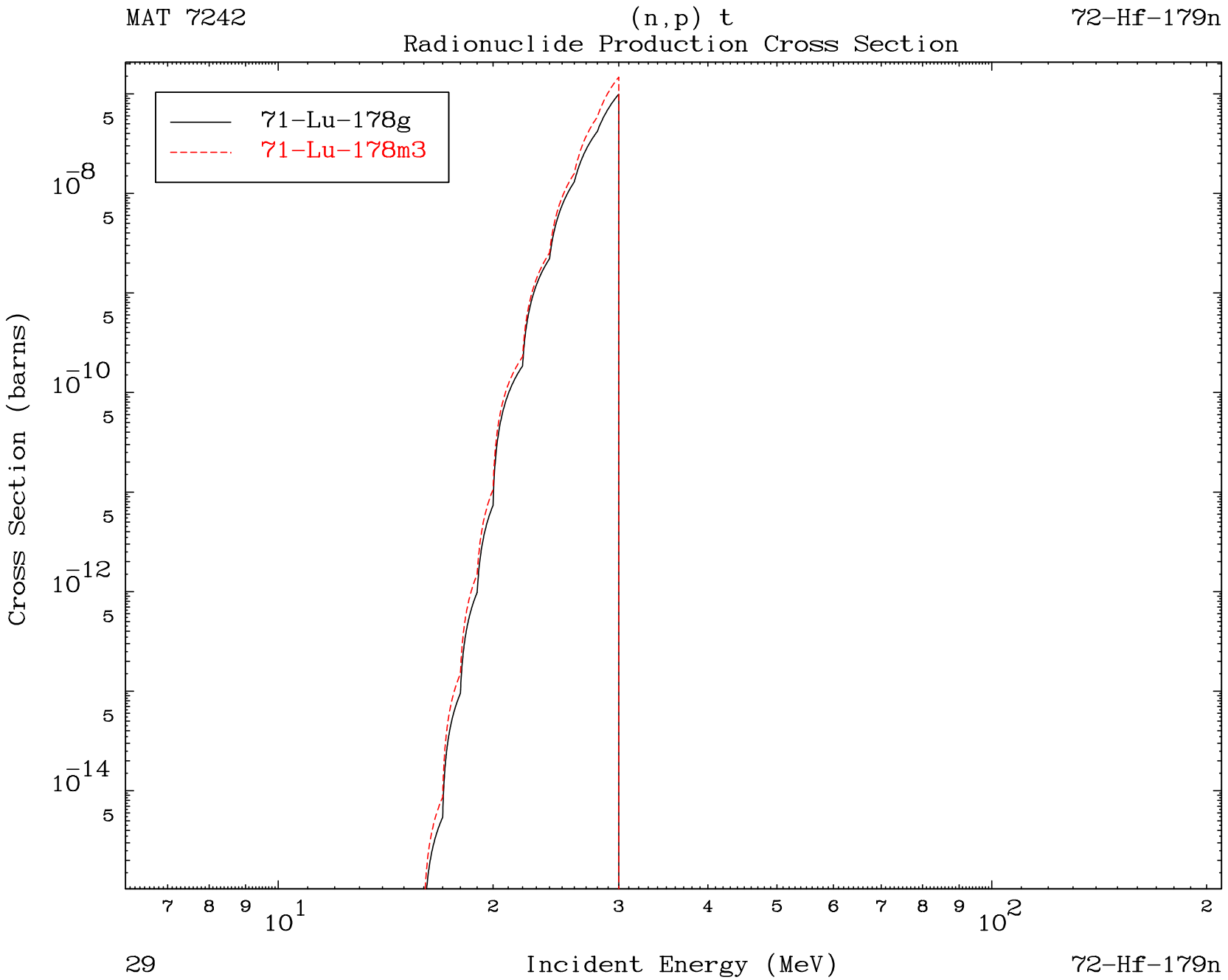

MAT 7242
(n,γ)
72-Hf-179n
Radionuclide Production Cross Section
73-Ta-182g
73-Ta-182m1
73-Ta-182m29
Cross Section (barns)
Incident Energy (MeV)
24
72-Hf-179n

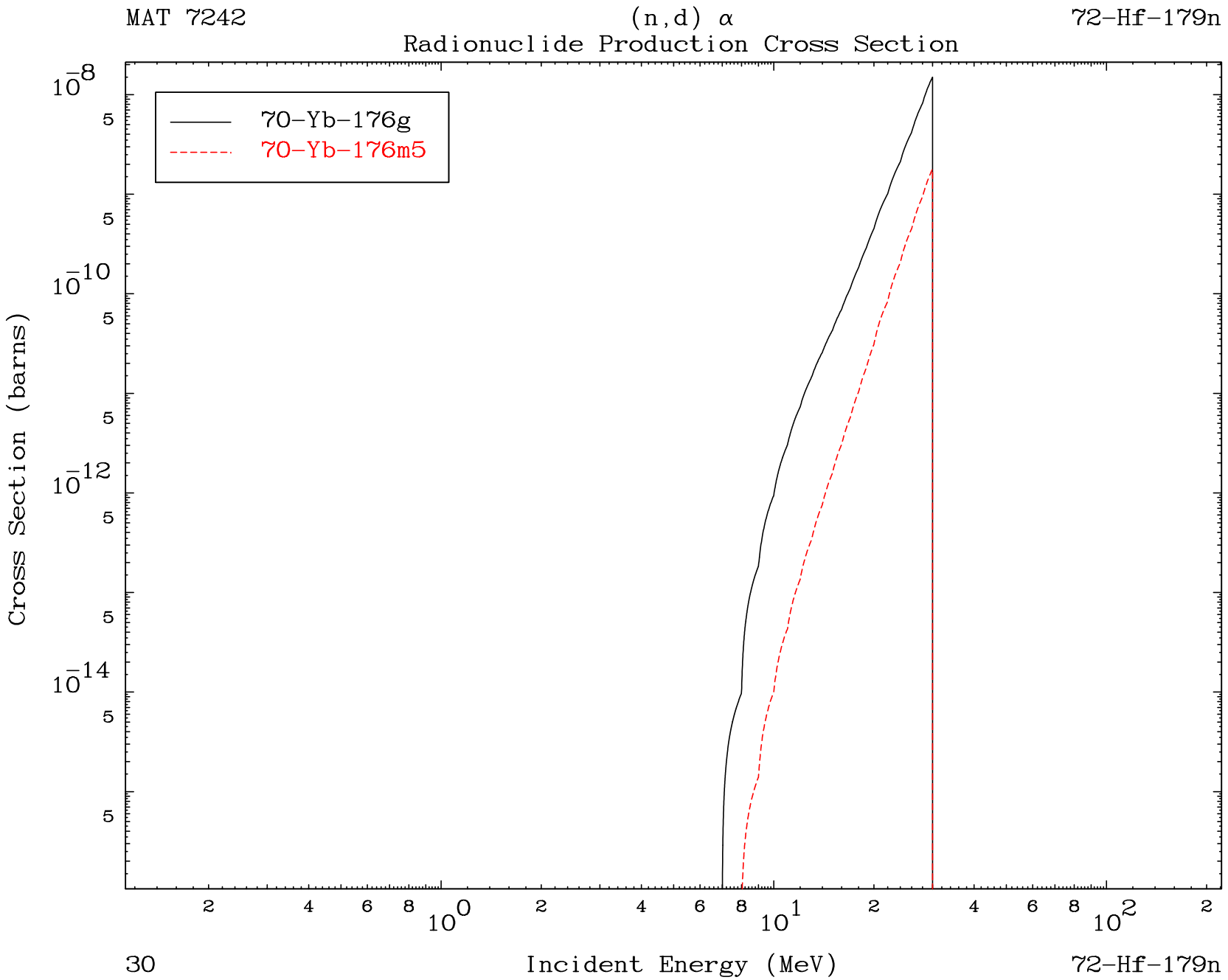

MAT 7242
(n,d)
72-Hf-179n
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m6
Cross Section (barns)
Incident Energy (MeV)
25
72-Hf-179n


MAT 7242
(n,t)
72-Hf-179n
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
72-Hf-179m46
Cross Section (barns)
Incident Energy (MeV)
26
72-Hf-179n


MAT 7242
(n,α)
72-Hf-179n
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
27
72-Hf-179n


MAT 7242
(n,p) α
72-Hf-179n
Radionuclide Production Cross Section
70-Yb-177g
70-Yb-177m6
Cross Section (barns)
Incident Energy (MeV)
28
72-Hf-179n


MAT 7242
(n,p) t
72-Hf-179n
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
Incident Energy (MeV)
29
72-Hf-179n


MAT 7242
(n,d) α
72-Hf-179n
Radionuclide Production Cross Section
70-Yb-176g
70-Yb-176m5
Cross Section (barns)
Incident Energy (MeV)
30
72-Hf-179n