Program EVALPLOT
(Version 2018-1)
by
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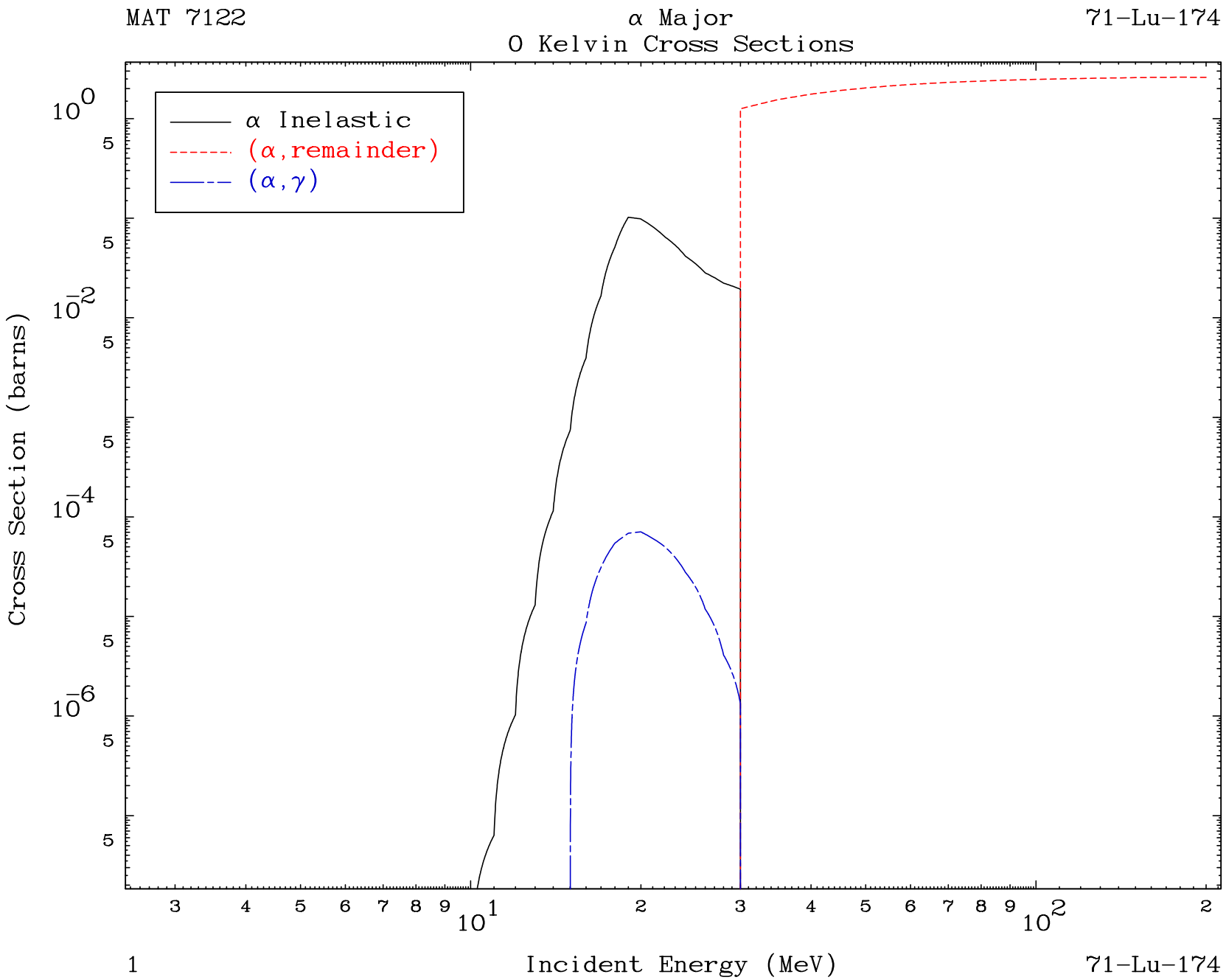
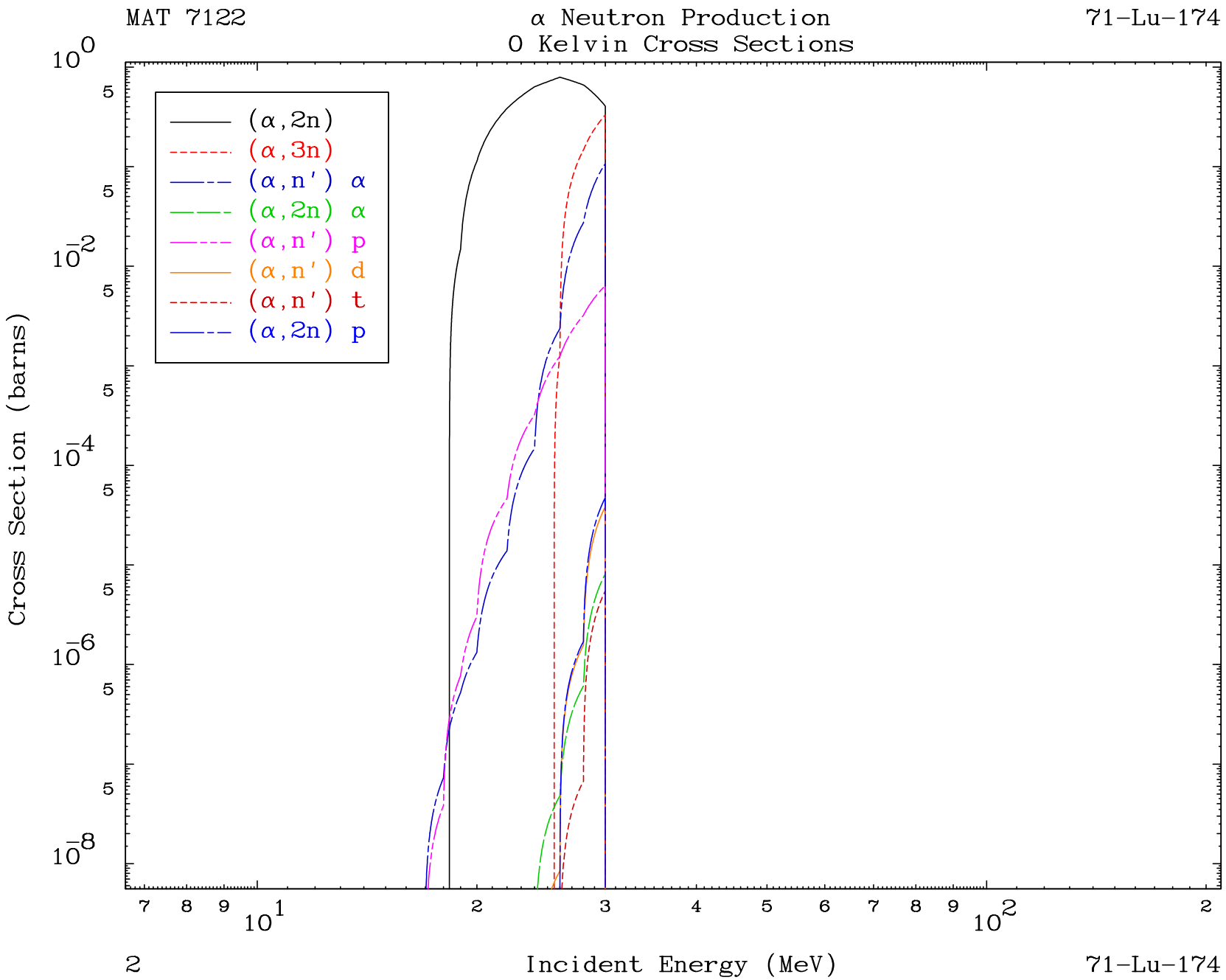
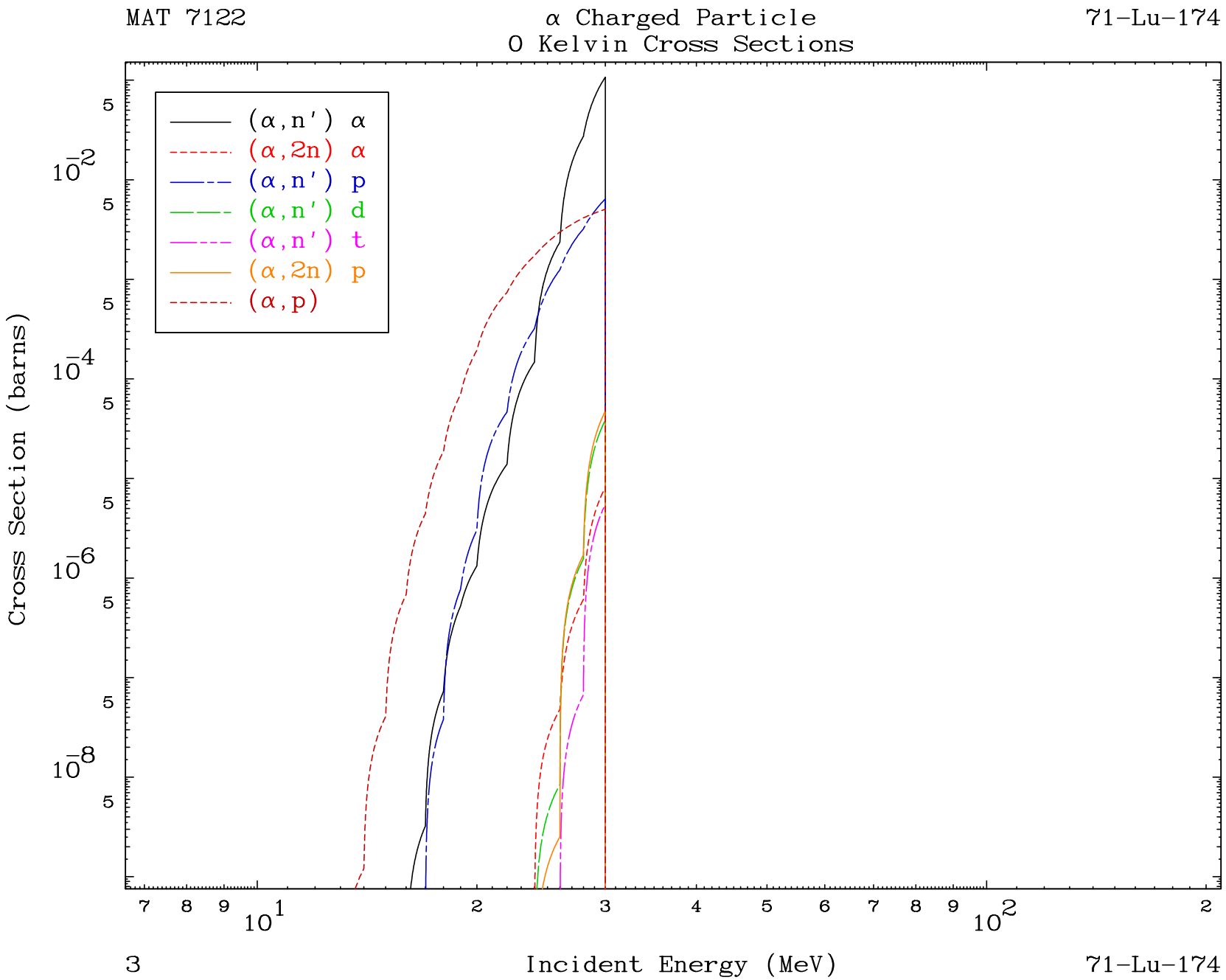
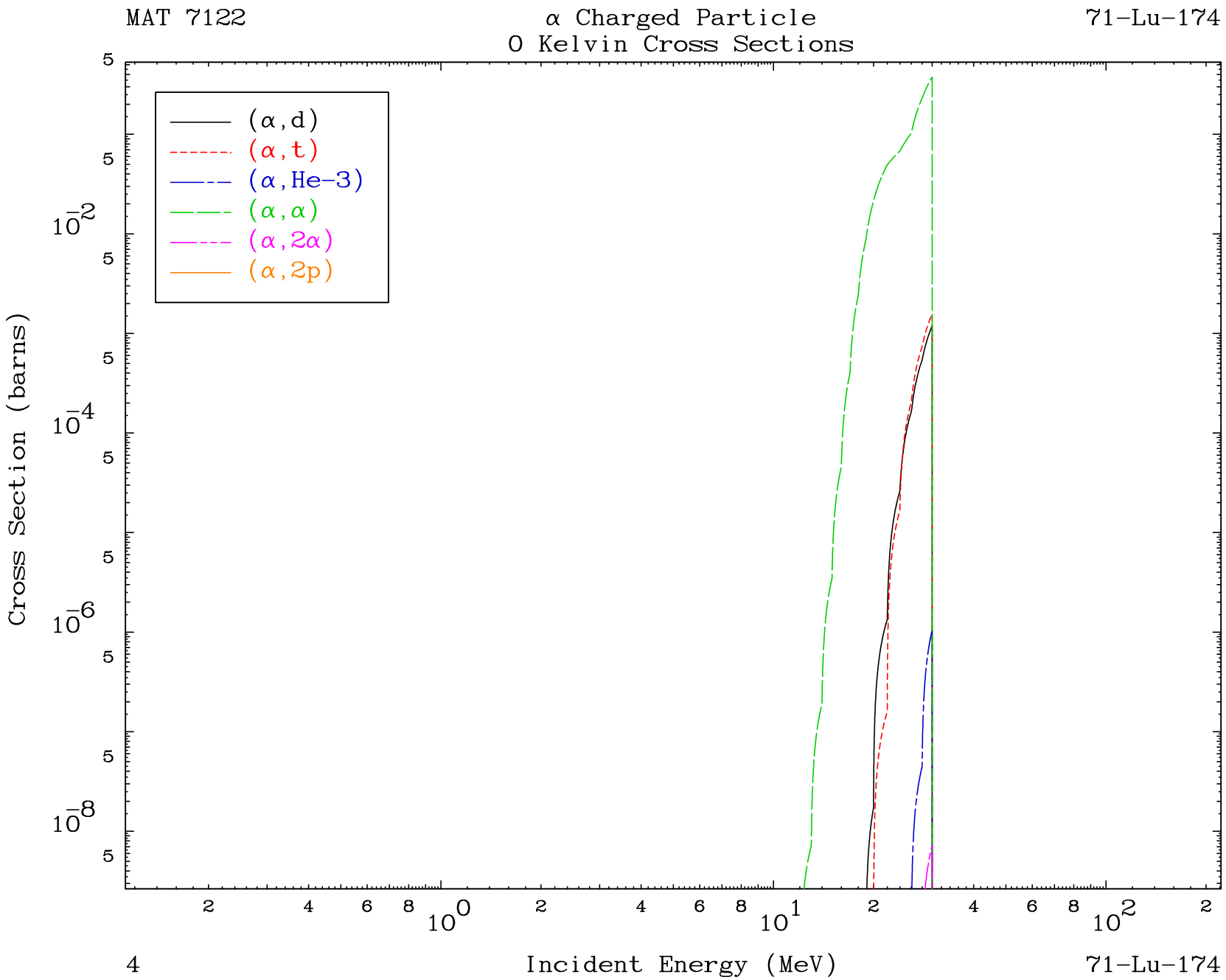
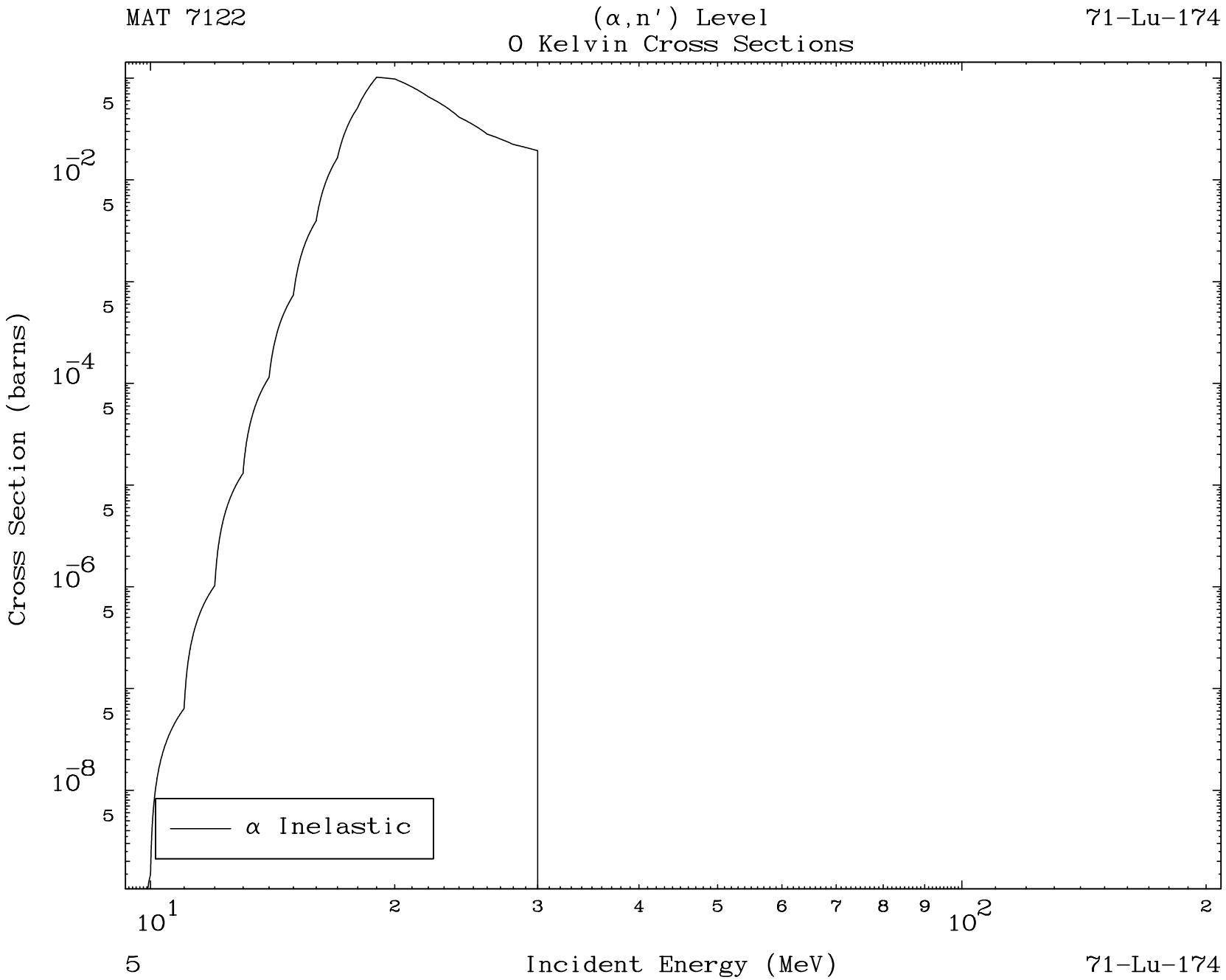
Press Mouse Button to Start

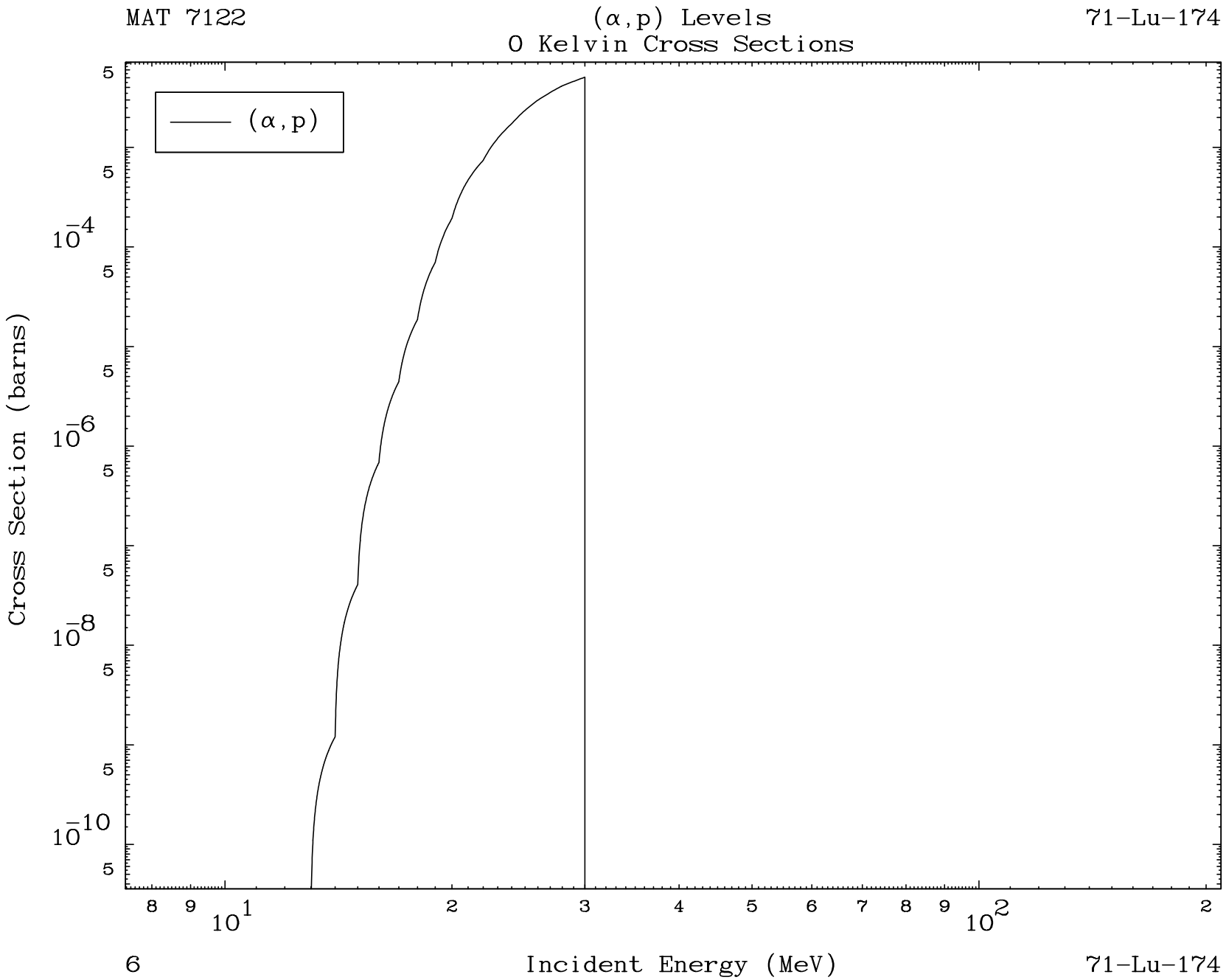

MAT 7122
α Major
71-Lu-174
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-174

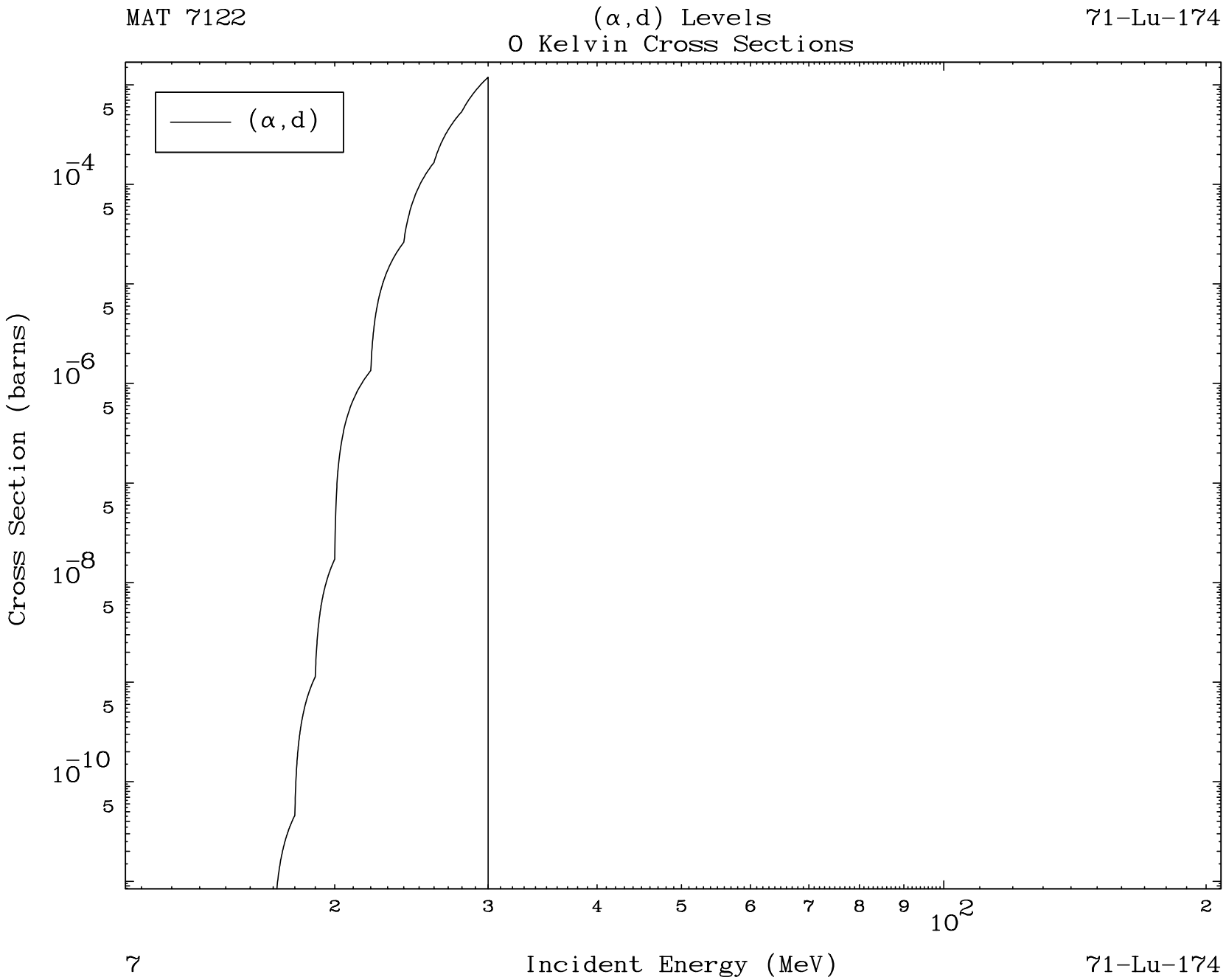

MAT 7122
α Neutron Production
0 Kelvin Cross Sections
71-Lu-174
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
71-Lu-174

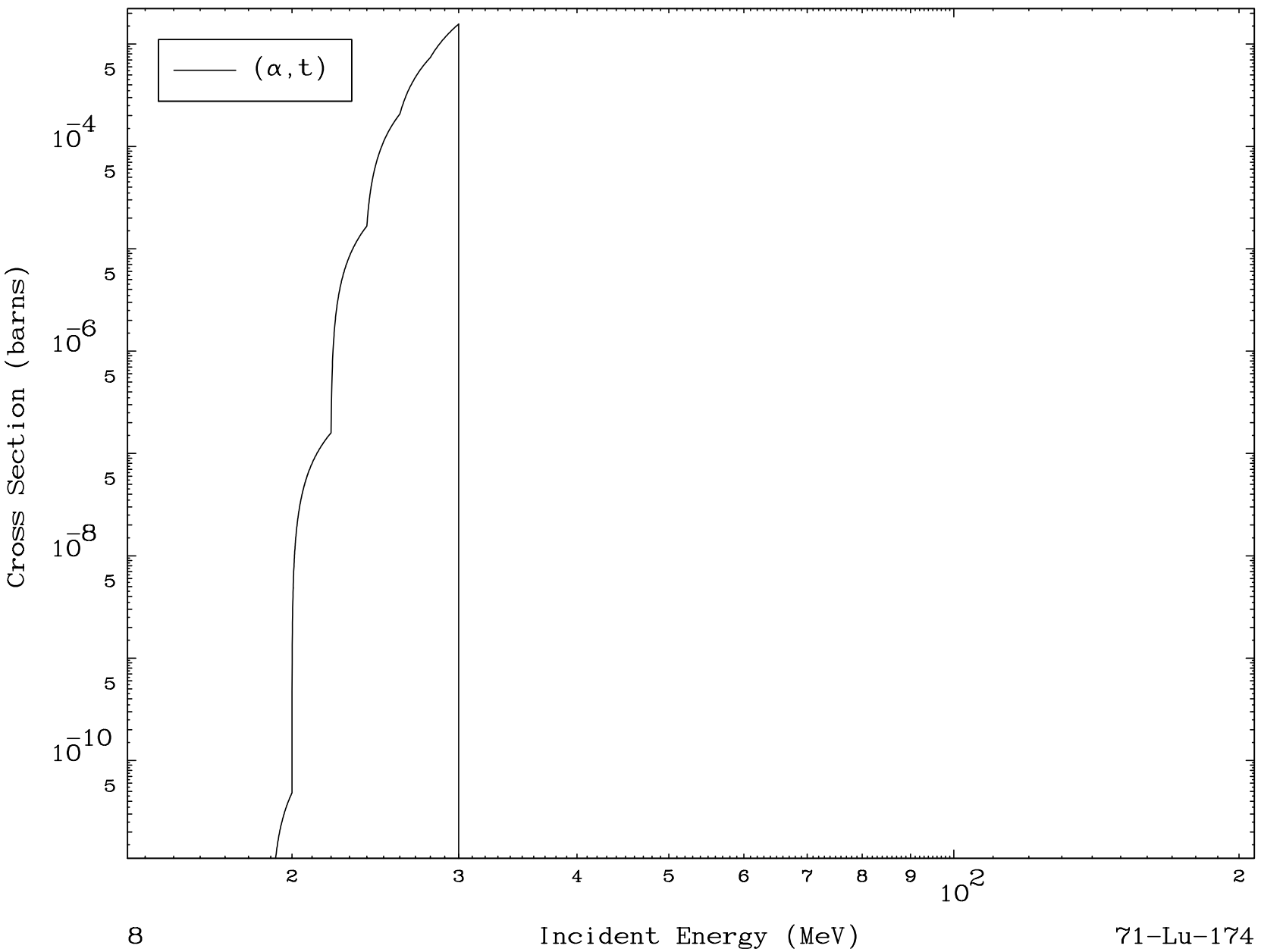

MAT 7122
α Charged Particle
0 Kelvin Cross Sections
71-Lu-174
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
Cross Section (barns)
Incident Energy (MeV)
3
71-Lu-174

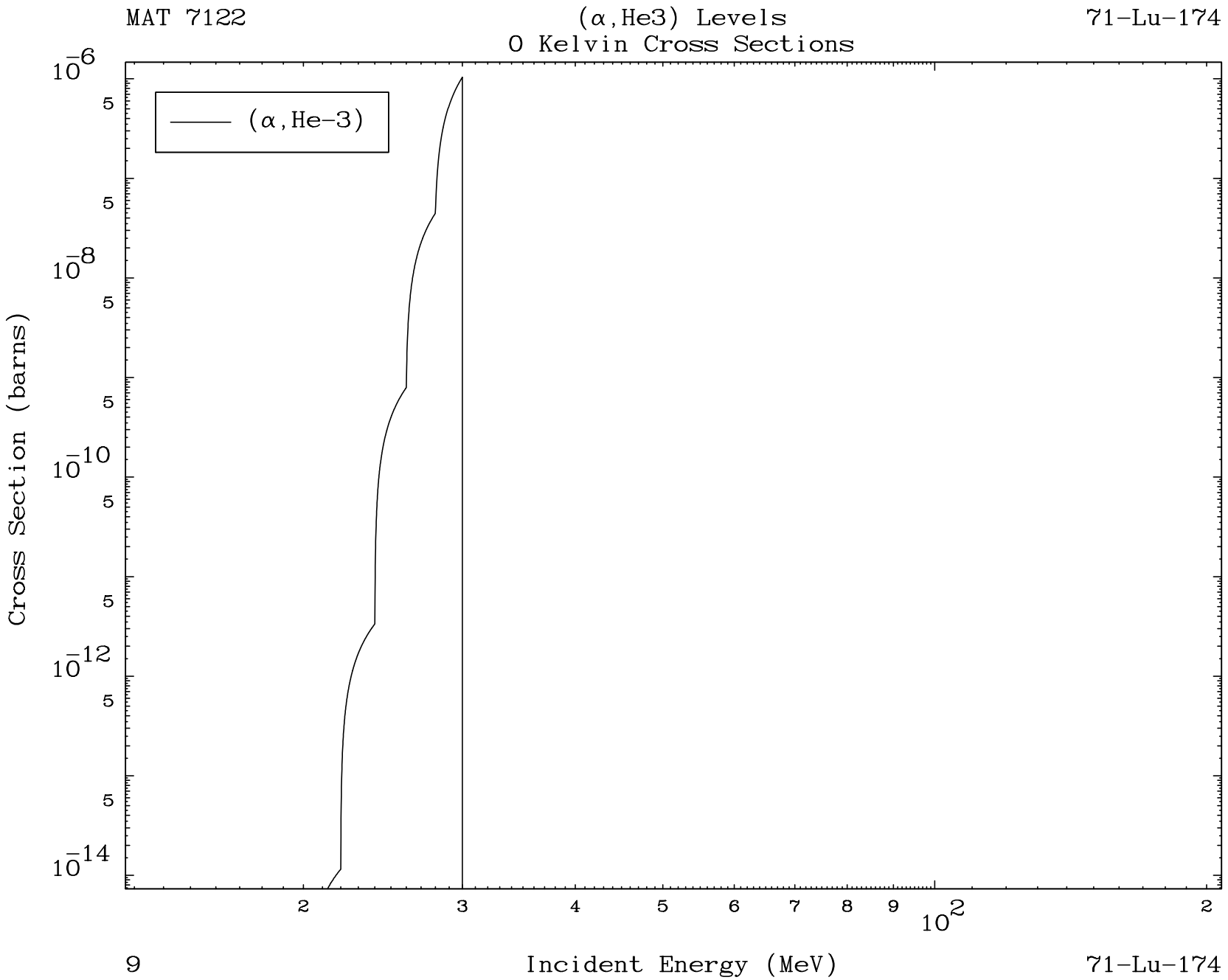

MAT 7122
α Charged Particle
0 Kelvin Cross Sections
71-Lu-174
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
Cross Section (barns)
Incident Energy (MeV)
4
71-Lu-174

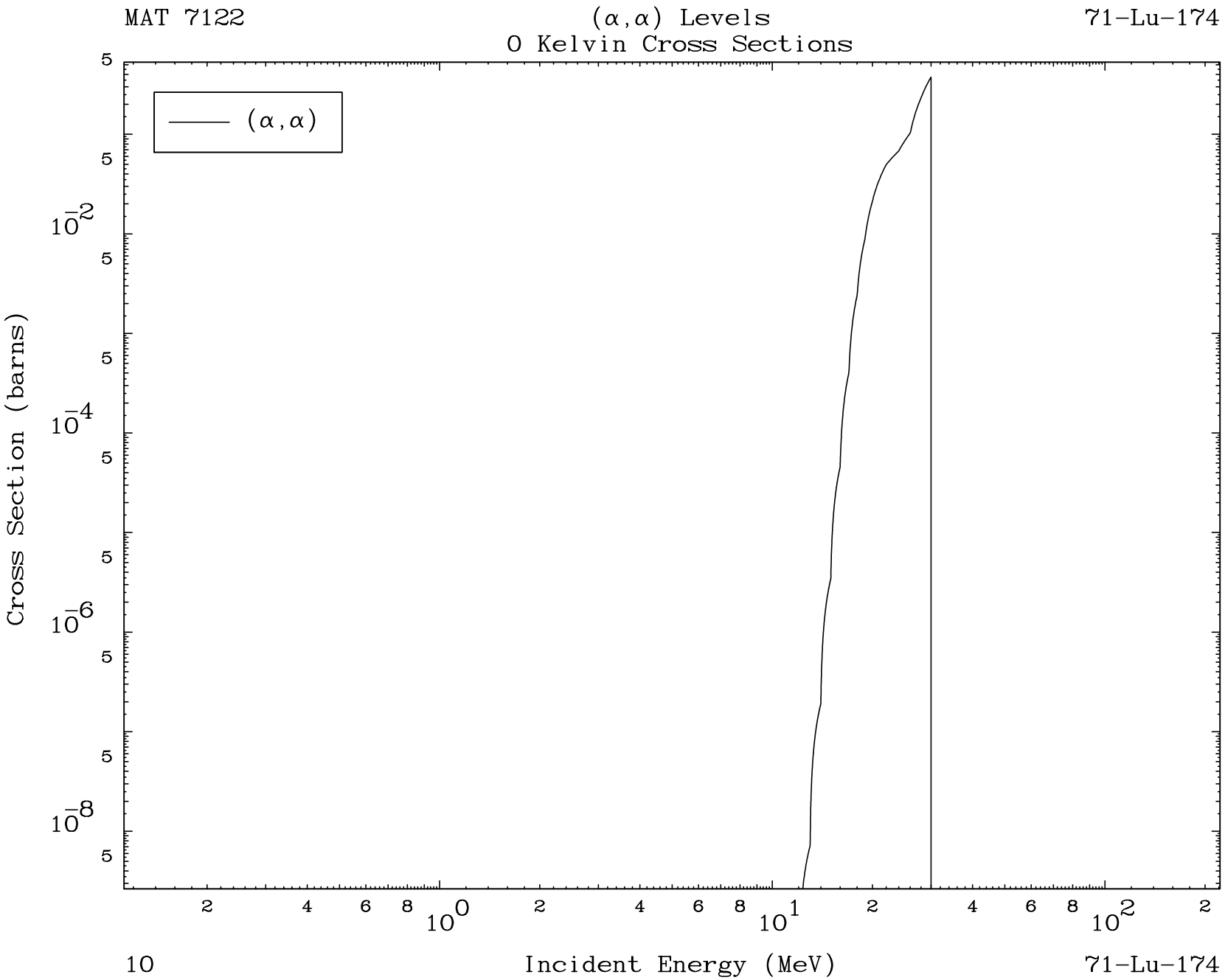

MAT 7122
(α,n') Level
71-Lu-174
0 Kelvin Cross Sections
Cross Section (barns)
10-2
10-4
10-6
10-8
α Inelastic
10 1
2
3
4
5
6
7
8
9
10 2
2
5
Incident Energy (MeV)
71-Lu-174

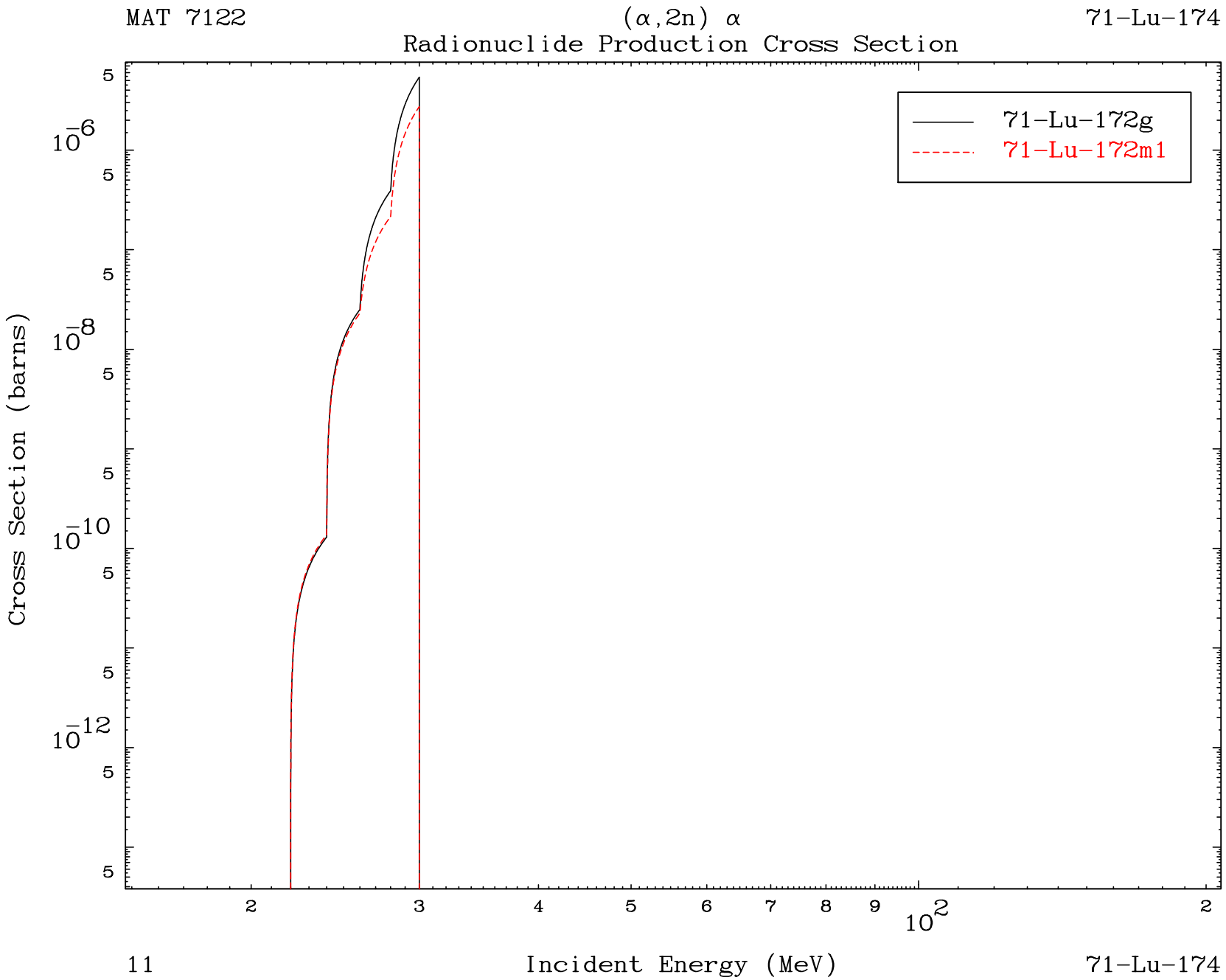

MAT 7122
(α,p) Levels
71-Lu-174
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
71-Lu-174

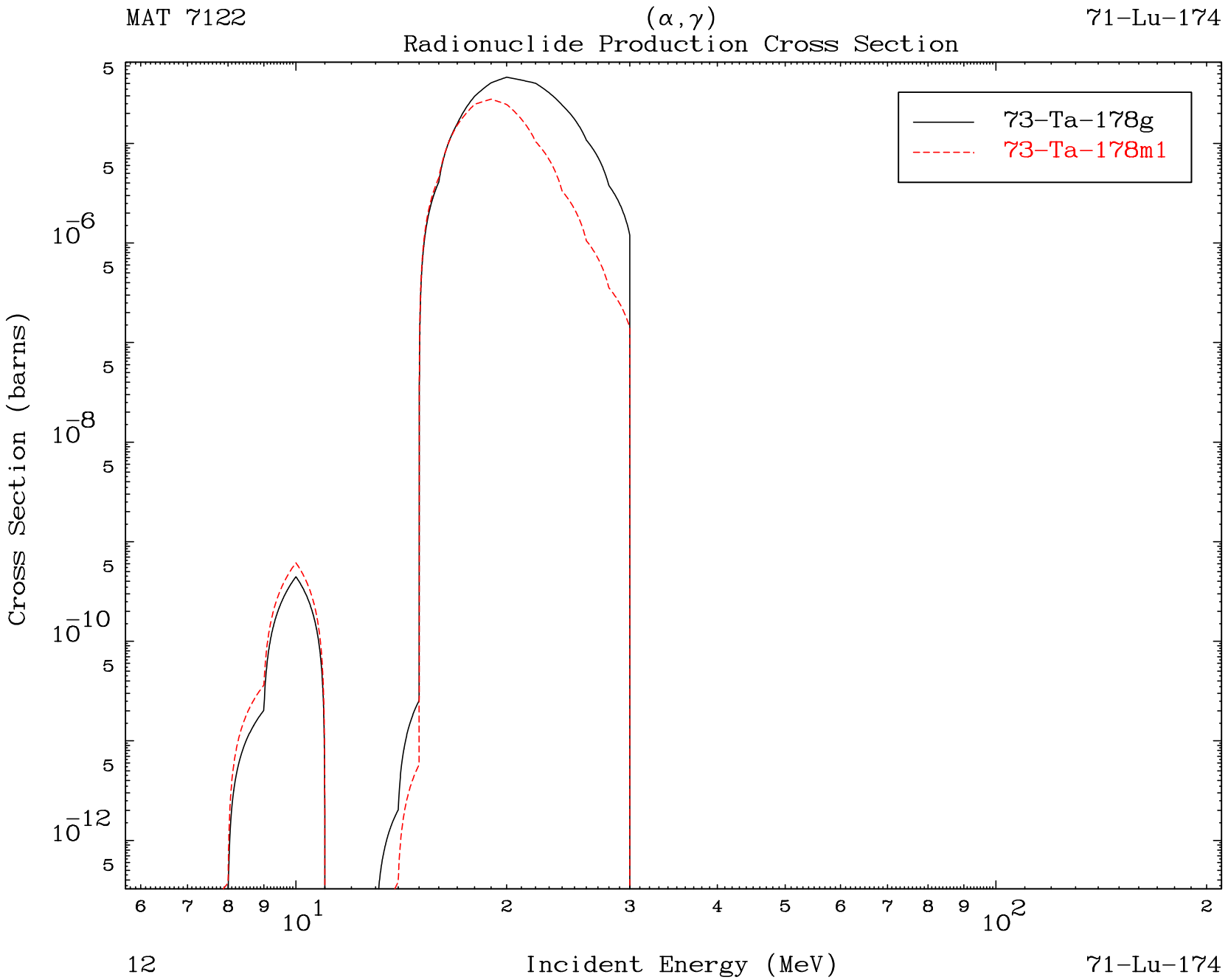

MAT 7122
(α,d) Levels
71-Lu-174
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
71-Lu-174

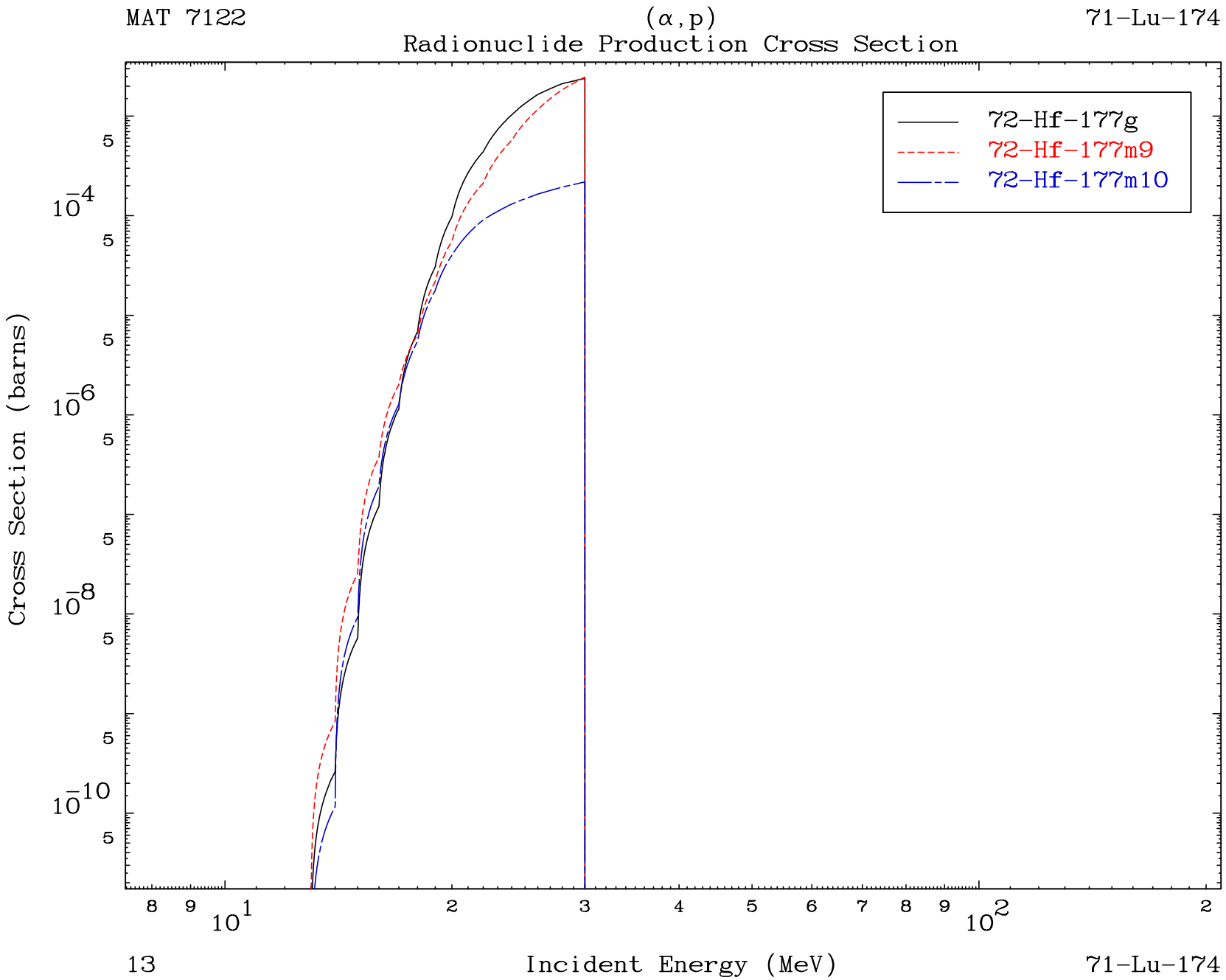

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

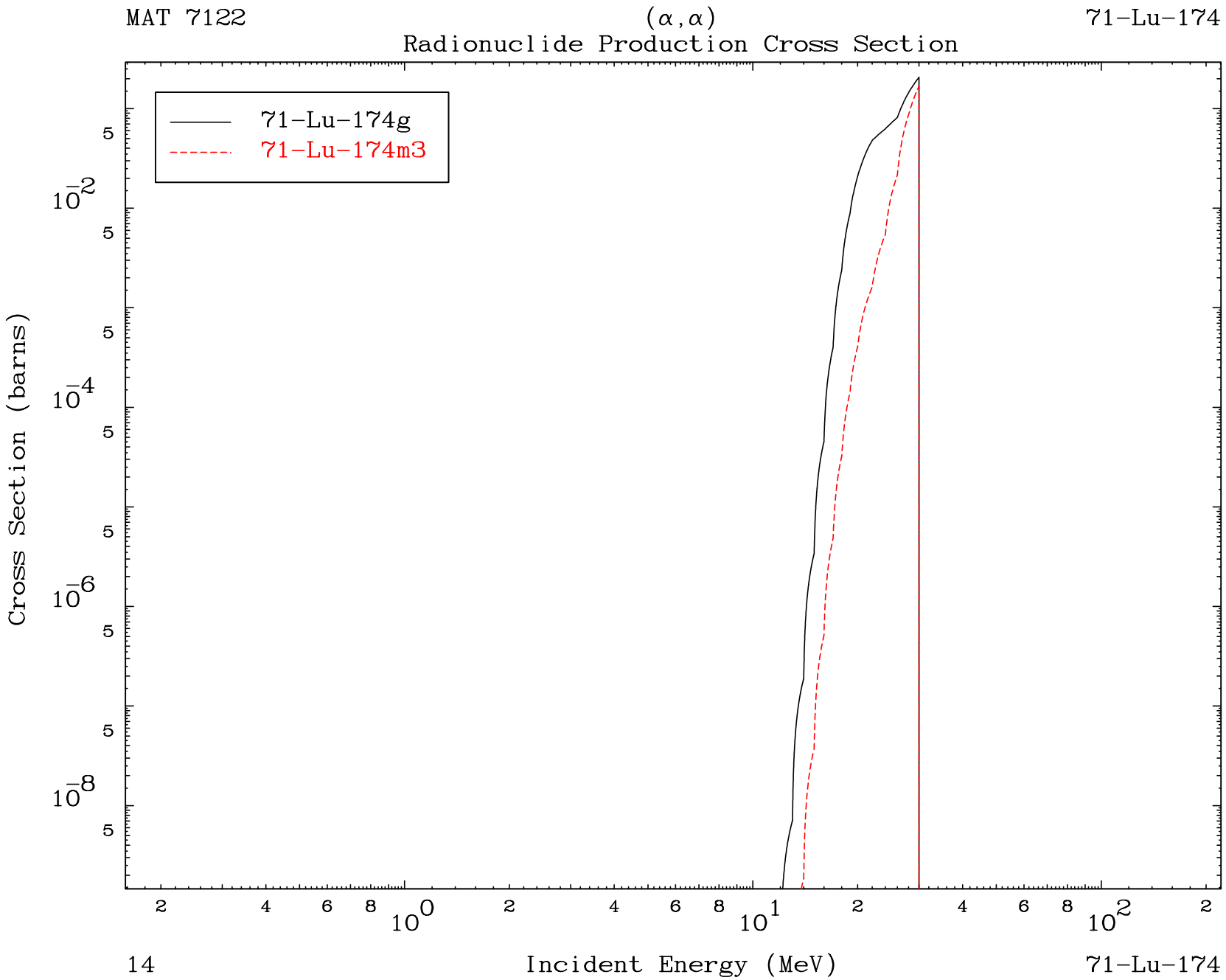

MAT 7122
(α,He3) Levels
71-Lu-174
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-6
5
10-8
5
10-10
5
10-12
5
10-14
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
9
71-Lu-174

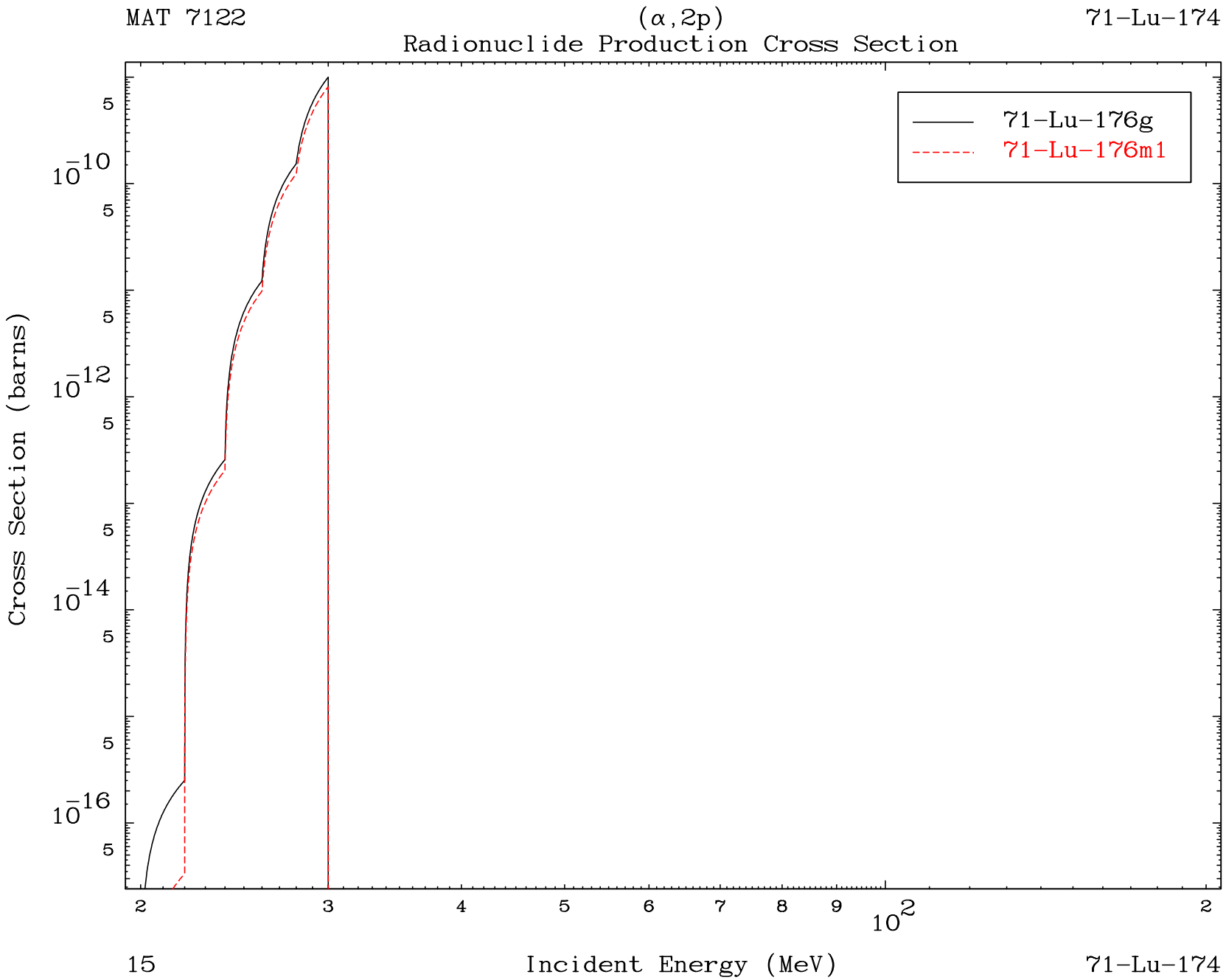

MAT 7122
(α,α) Levels
71-Lu-174
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-174


MAT 7122
(α,2n) α
71-Lu-174
Radionuclide Production Cross Section
71-Lu-172g
71-Lu-172m1
Cross Section (barns)
Incident Energy (MeV)
11
71-Lu-174


MAT 7122
(α,γ)
71-Lu-174
Radionuclide Production Cross Section
73-Ta-178g
73-Ta-178m1
Cross Section (barns)
Incident Energy (MeV)
12
71-Lu-174


MAT 7122
(α,p)
71-Lu-174
Radionuclide Production Cross Section
72-Hf-177g
72-Hf-177m9
72-Hf-177m10
Cross Section (barns)
10-4
10-6
10-8
10-10
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
13
Incident Energy (MeV)
71-Lu-174


MAT 7122
(α,α)
71-Lu-174
Radionuclide Production Cross Section
71-Lu-174g
71-Lu-174m3
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
14
71-Lu-174


MAT 7122
(α,2p)
71-Lu-174
Radionuclide Production Cross Section
71-Lu-176g
71-Lu-176m1
Cross Section (barns)
10-10
10-12
10-14
10-16
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
71-Lu-174