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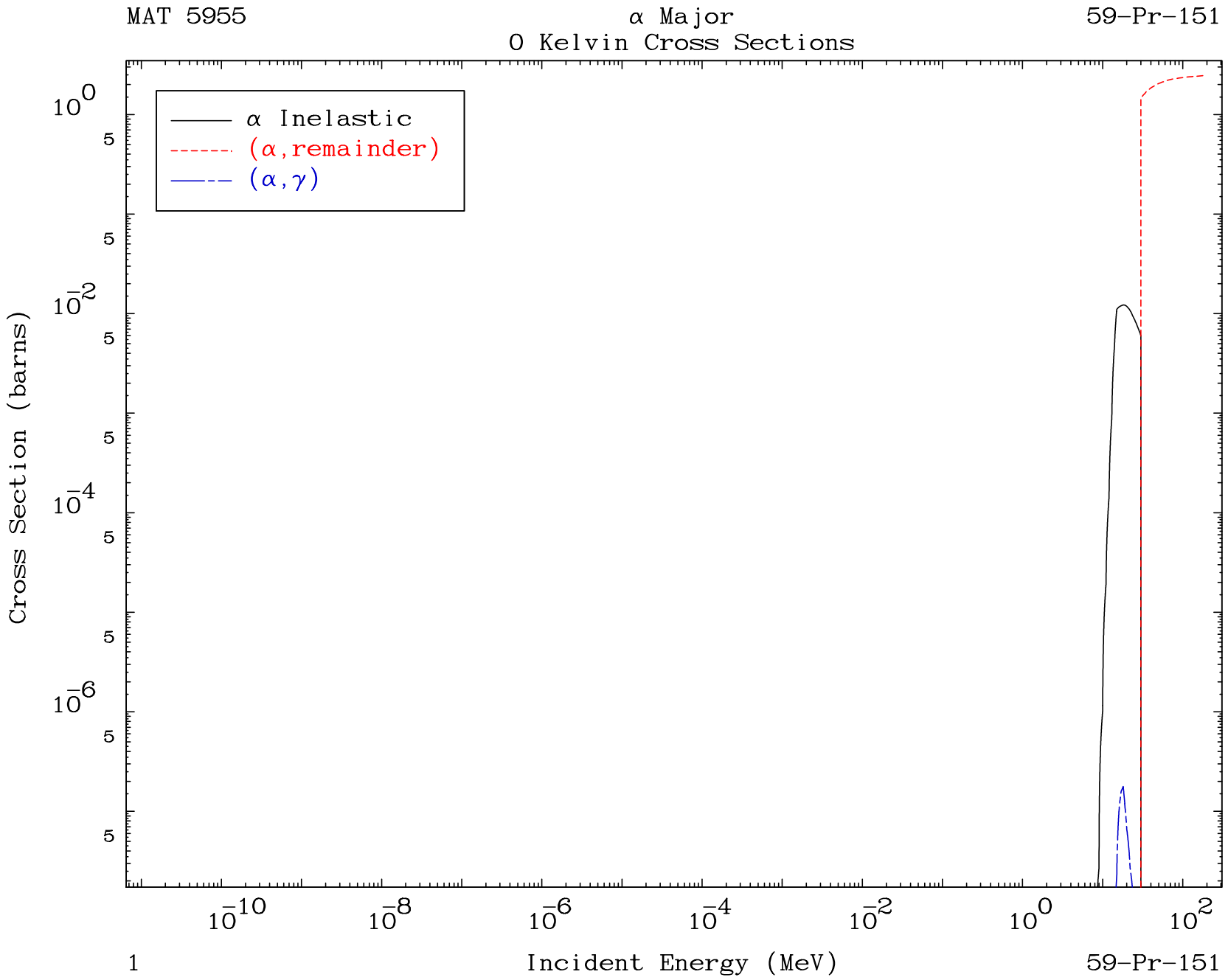
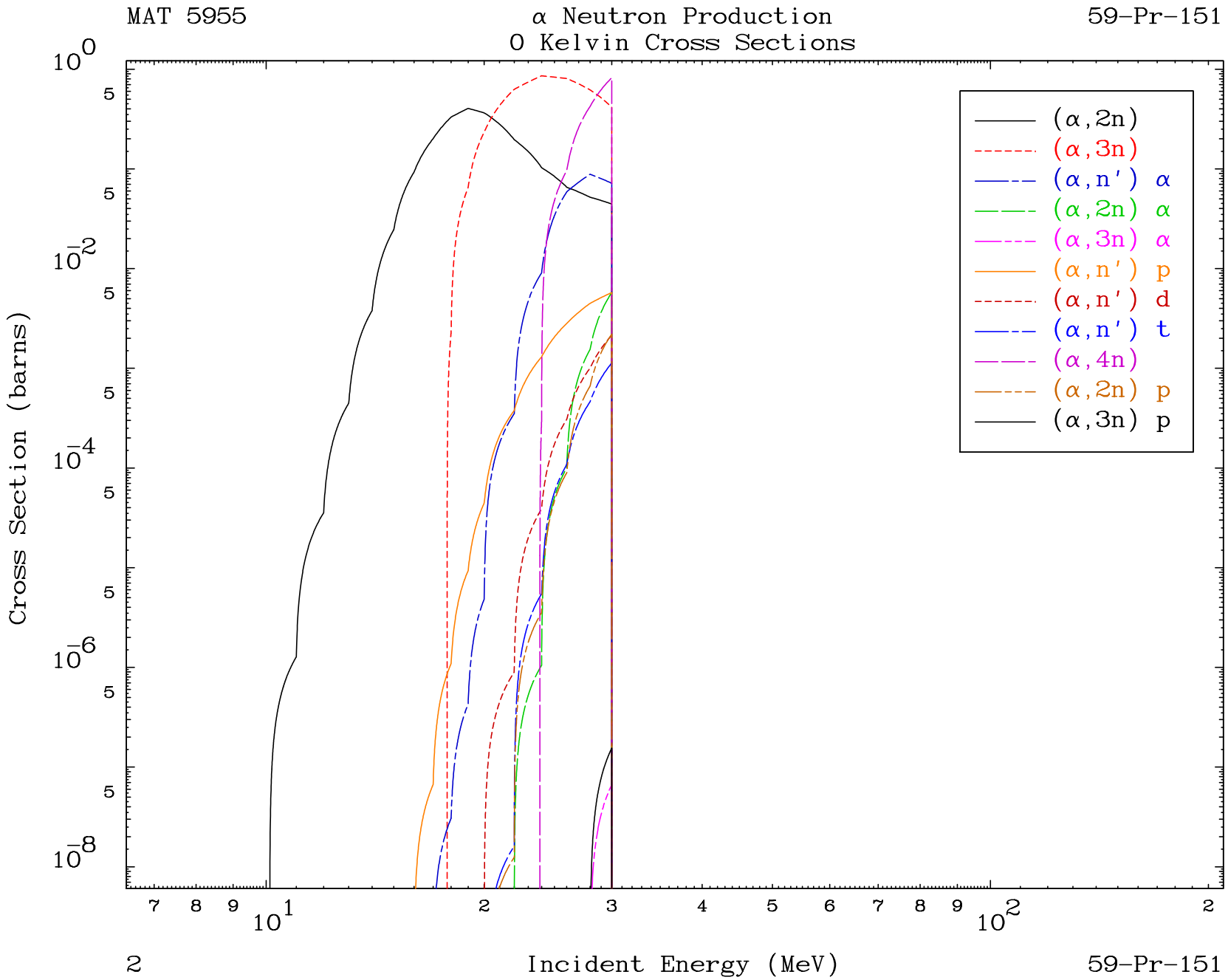
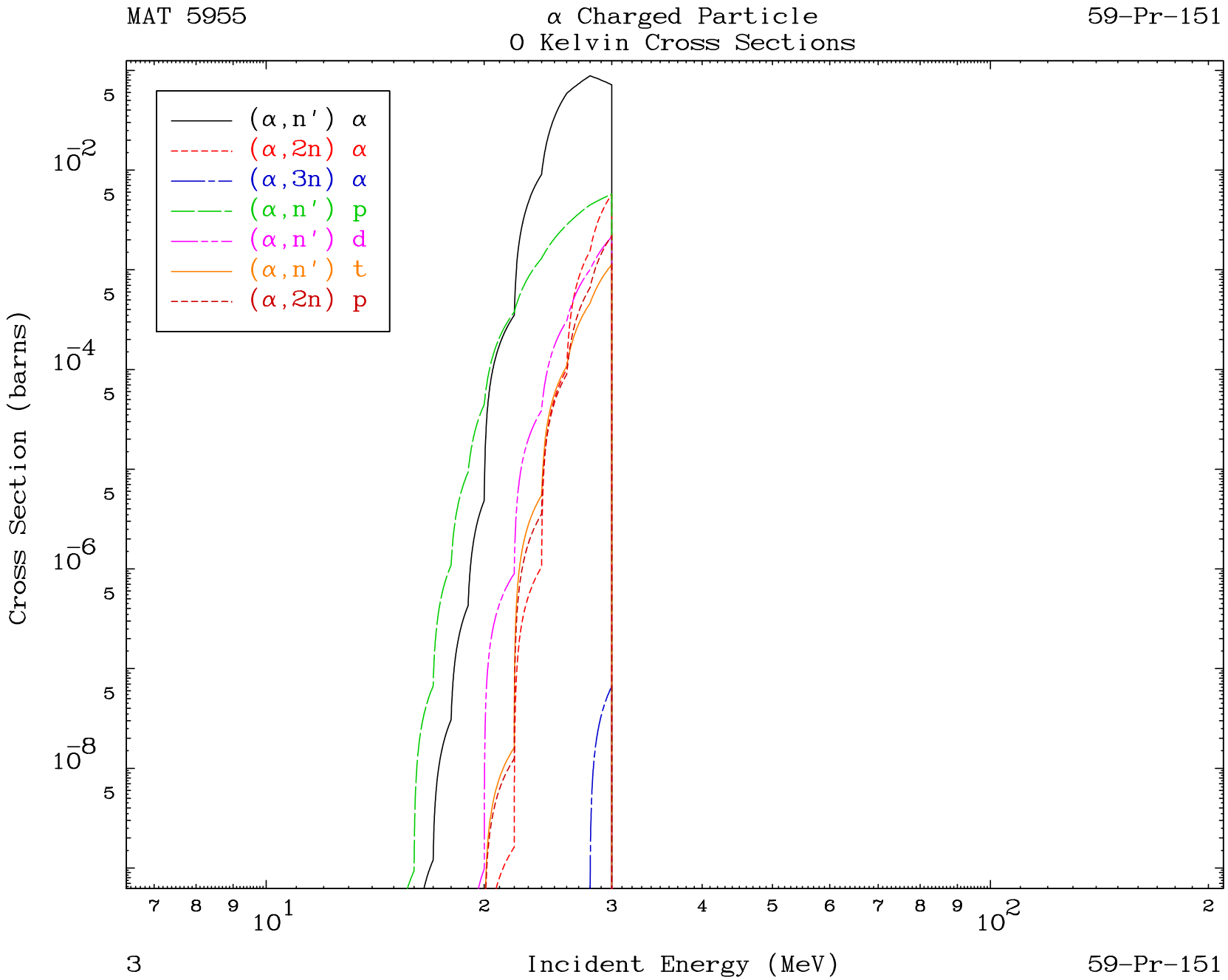
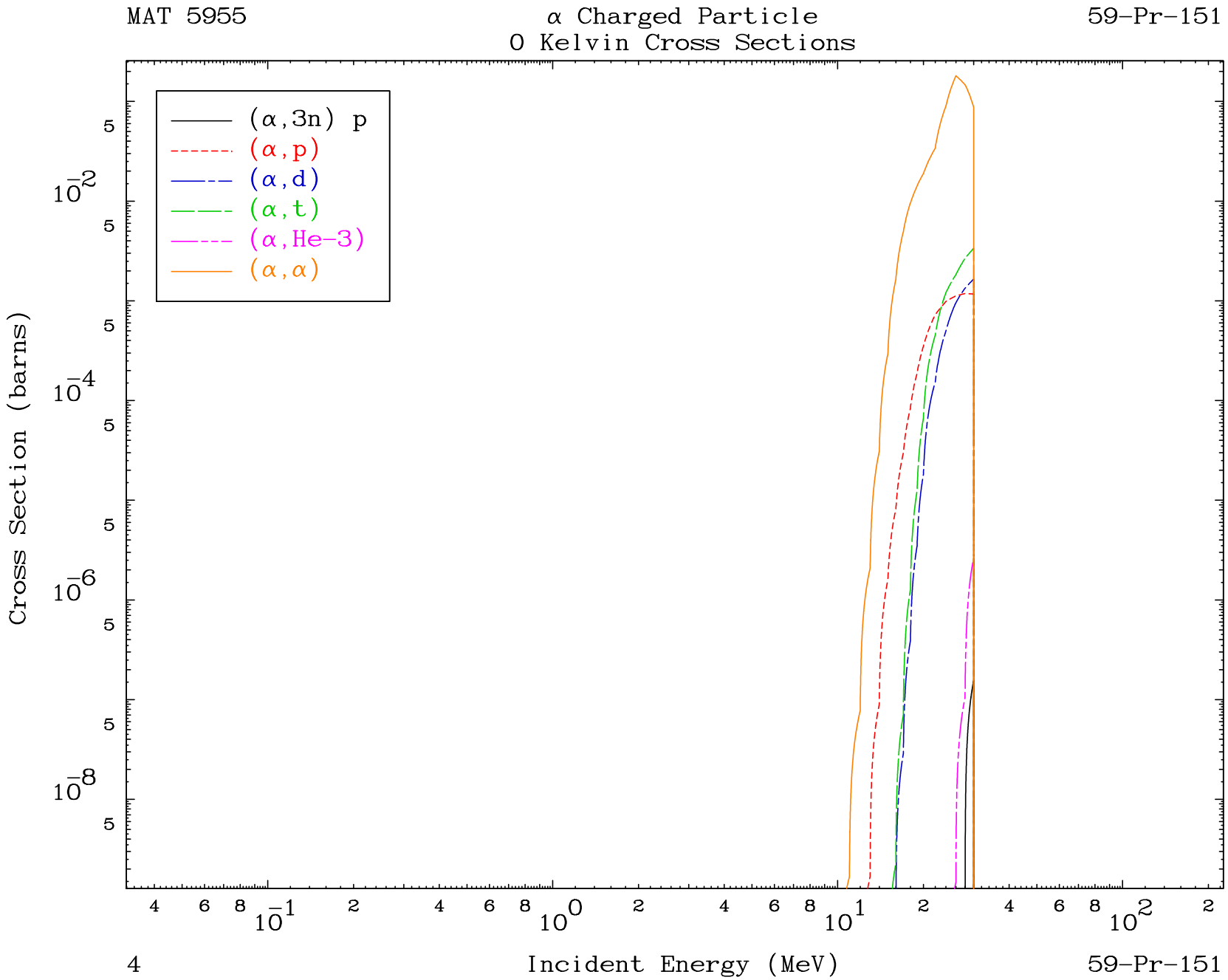
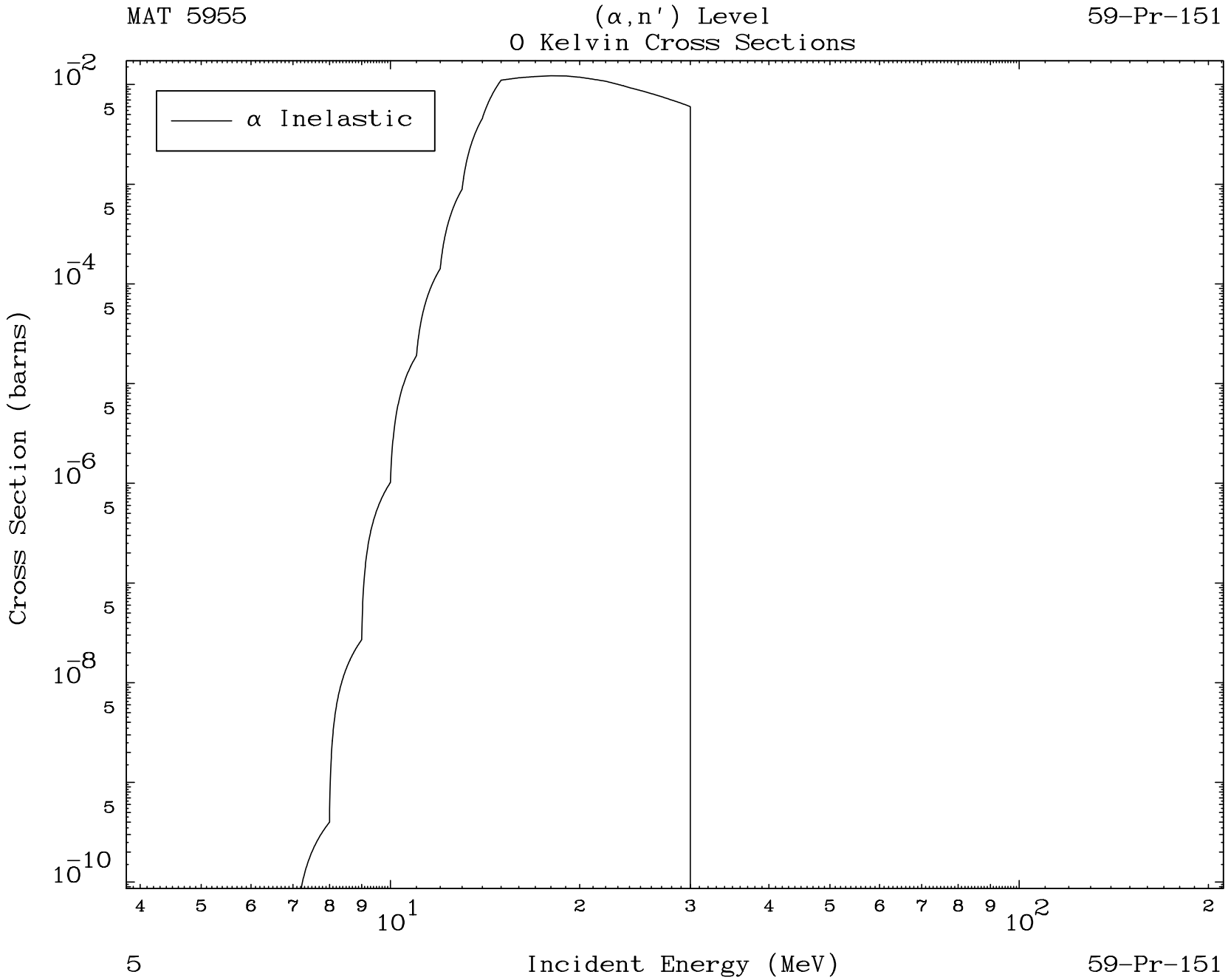
Press Mouse Button to Start

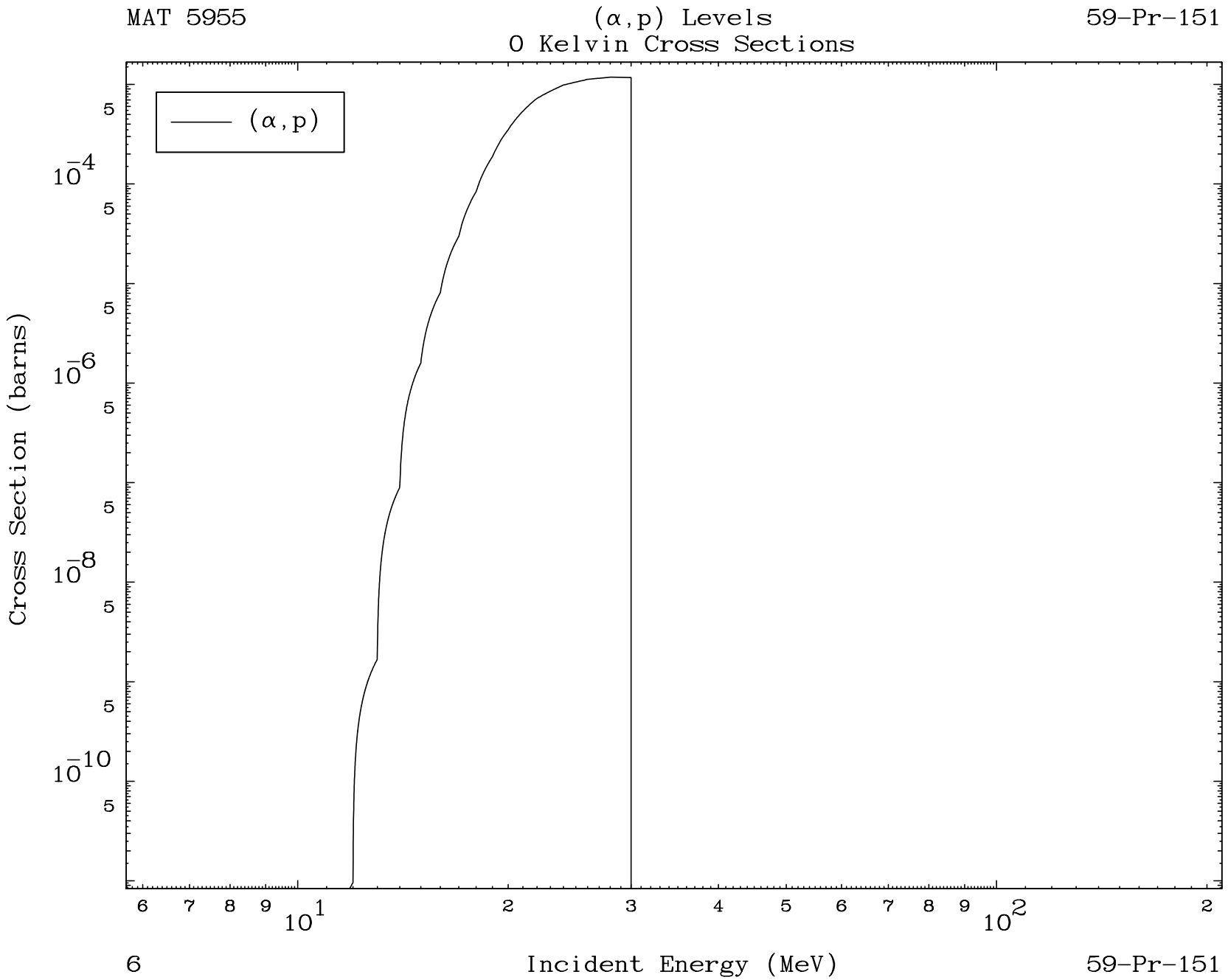

MAT 5955
α Major
59-Pr-151
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
59-Pr-151

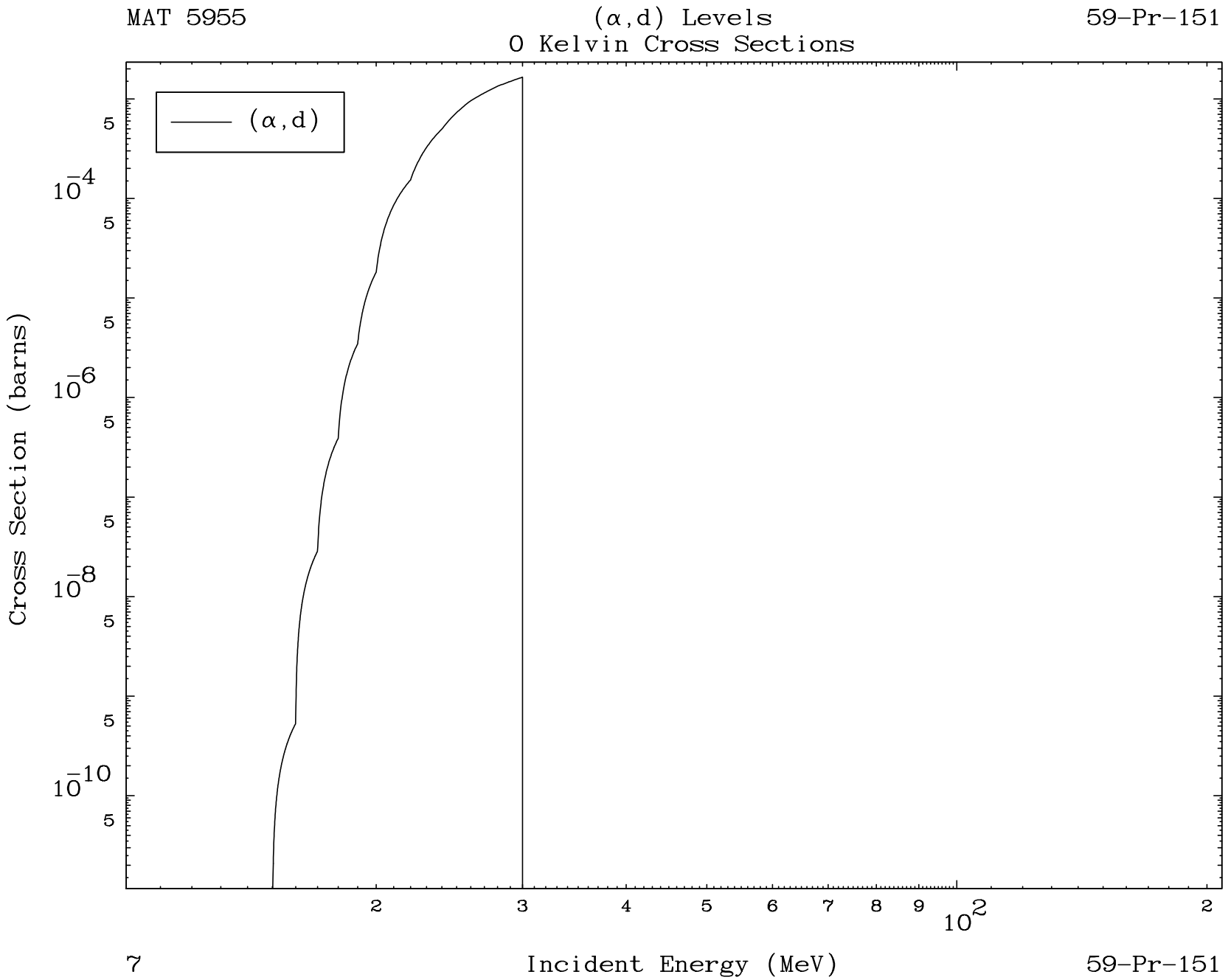

MAT 5955
α Neutron Production
0 Kelvin Cross Sections
59-Pr-151
Cross Section (barns)
Incident Energy (MeV)
59-Pr-151
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,4n)
(α,2n) p
(α,3n) p

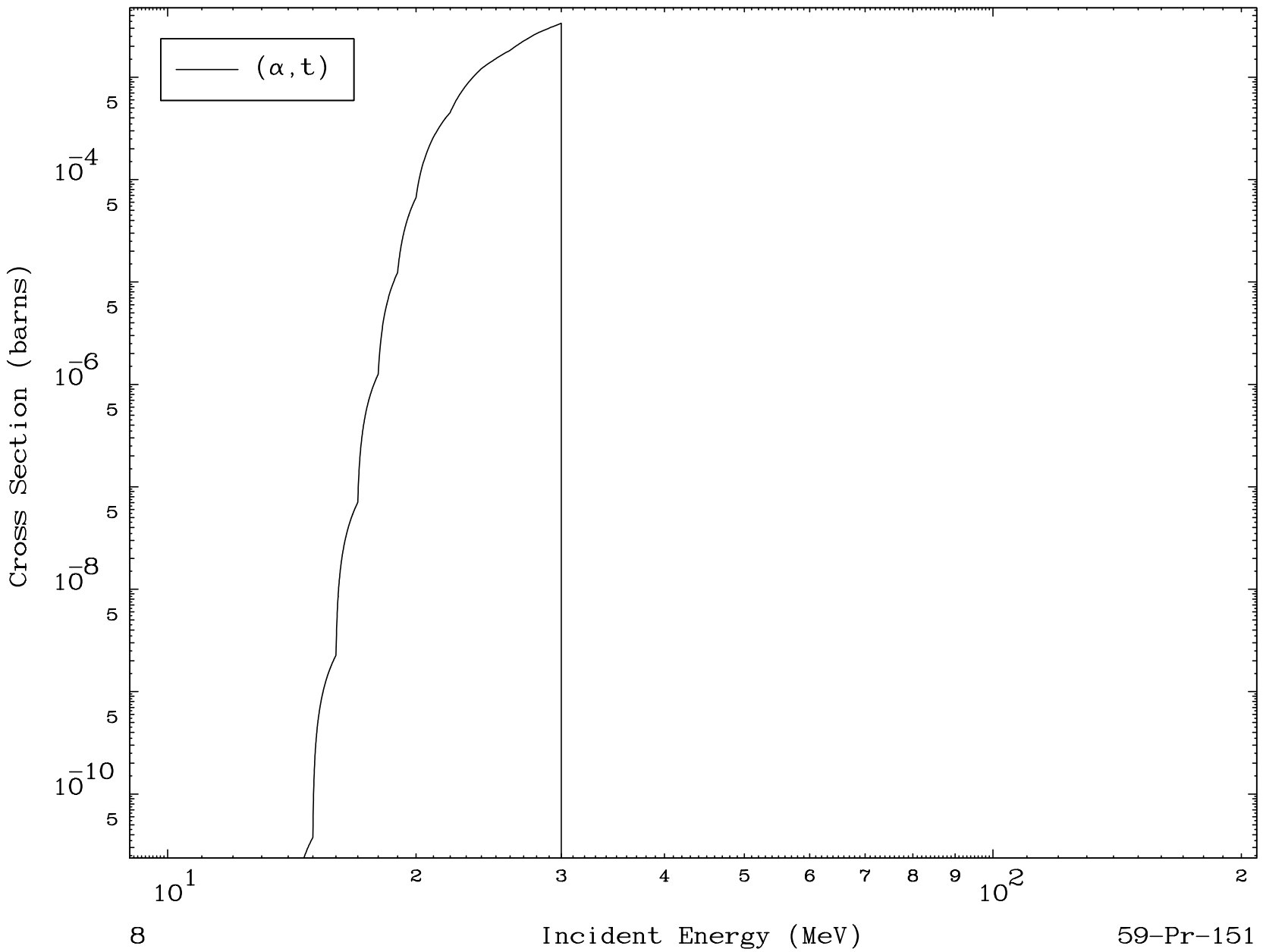

MAT 5955
α Charged Particle
0 Kelvin Cross Sections
59-Pr-151
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
59-Pr-151
3

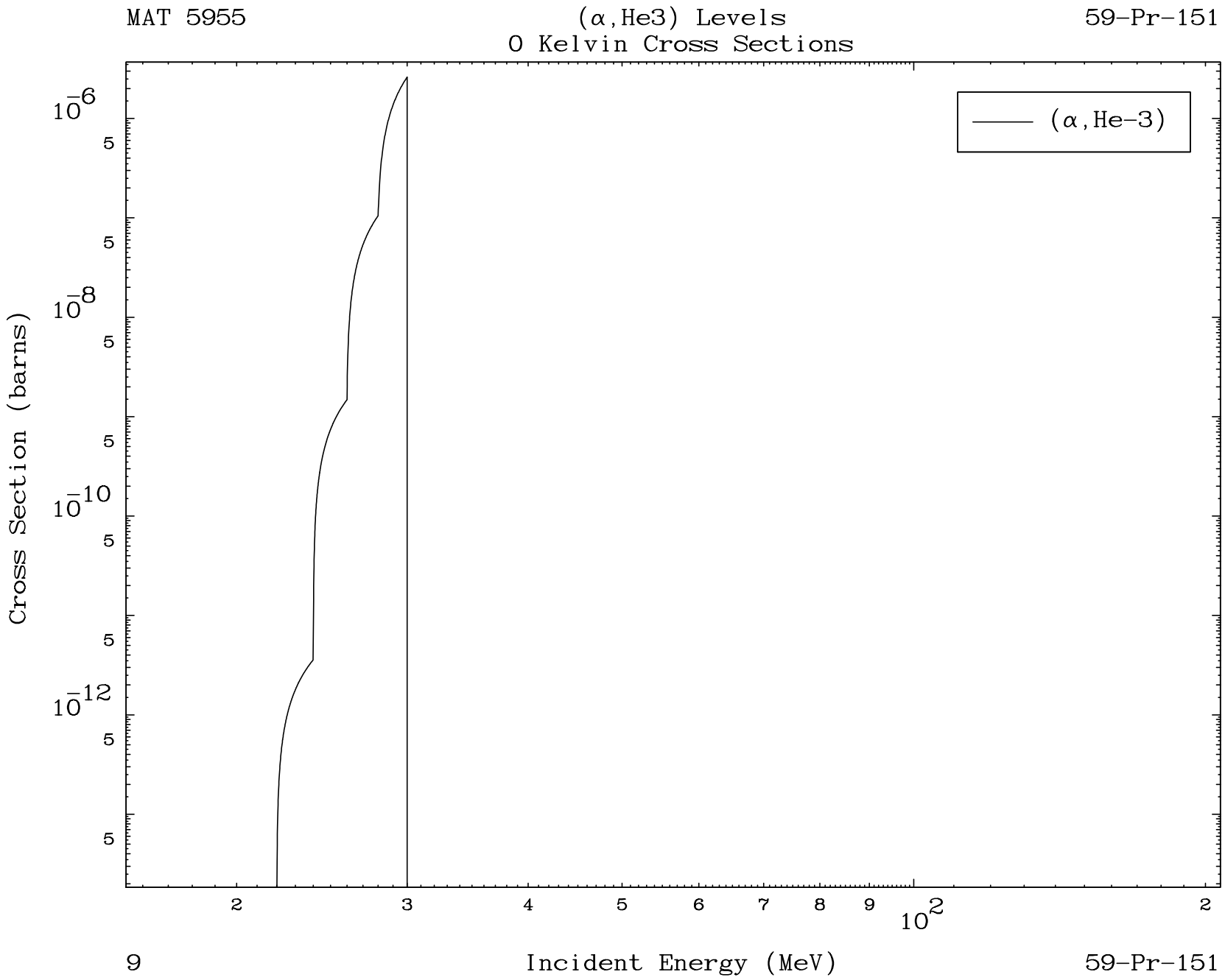

MAT 5955
α Charged Particle
0 Kelvin Cross Sections
59-Pr-151
(α,3n) p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-151
4

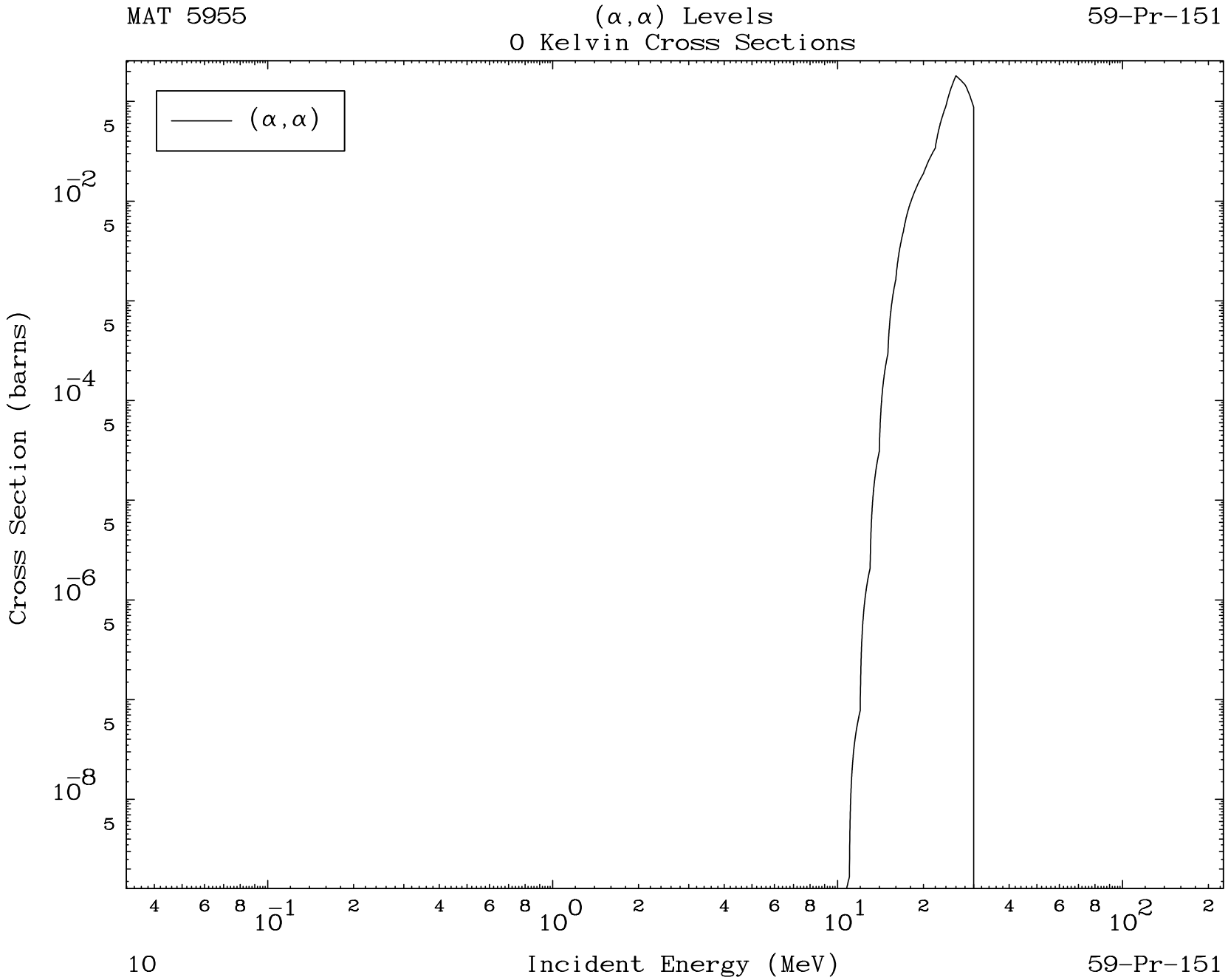

MAT 5955
(α,n') Level
59-Pr-151
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
10-10
5
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
5
59-Pr-151

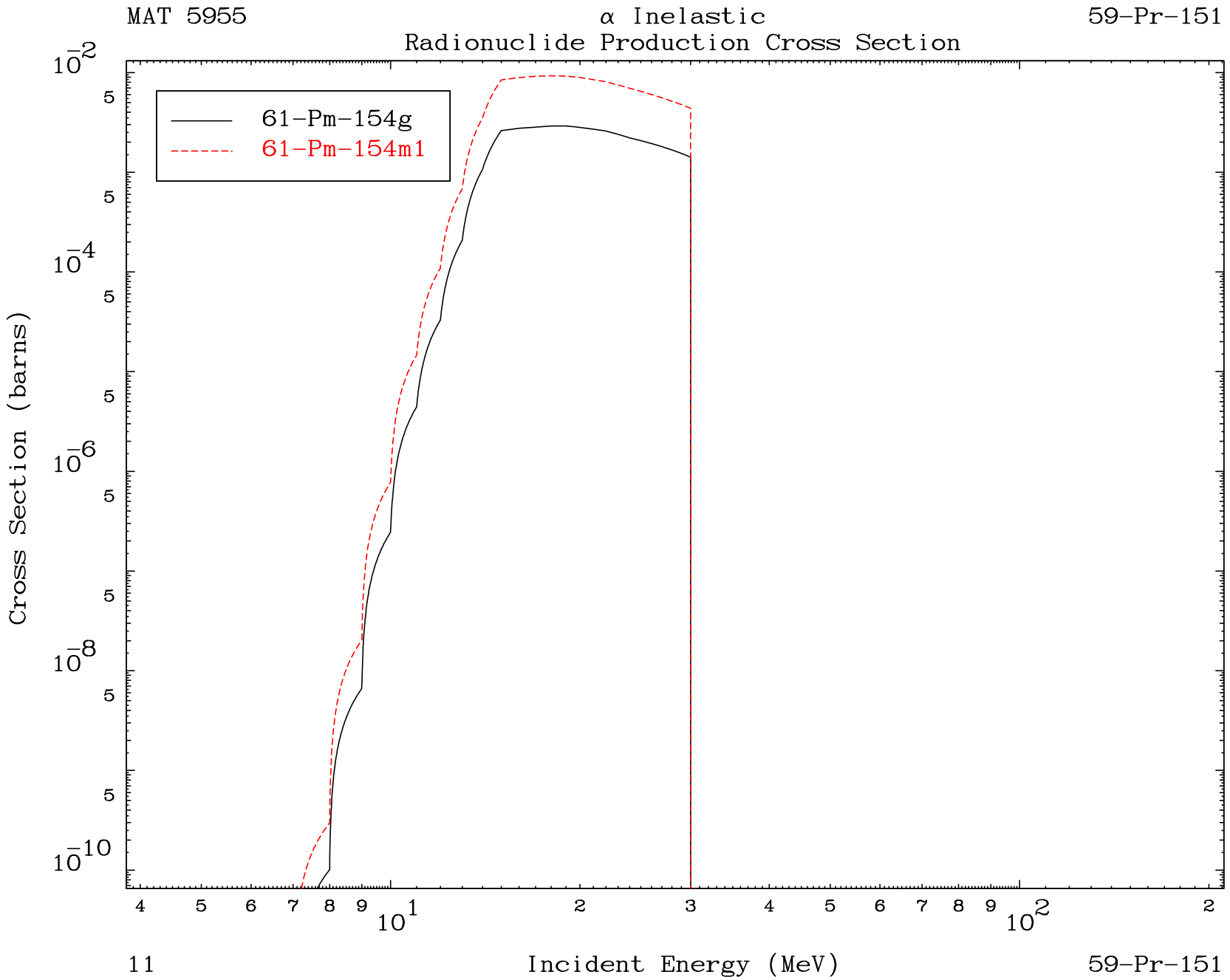

MAT 5955
(α,p) Levels
59-Pr-151
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
59-Pr-151

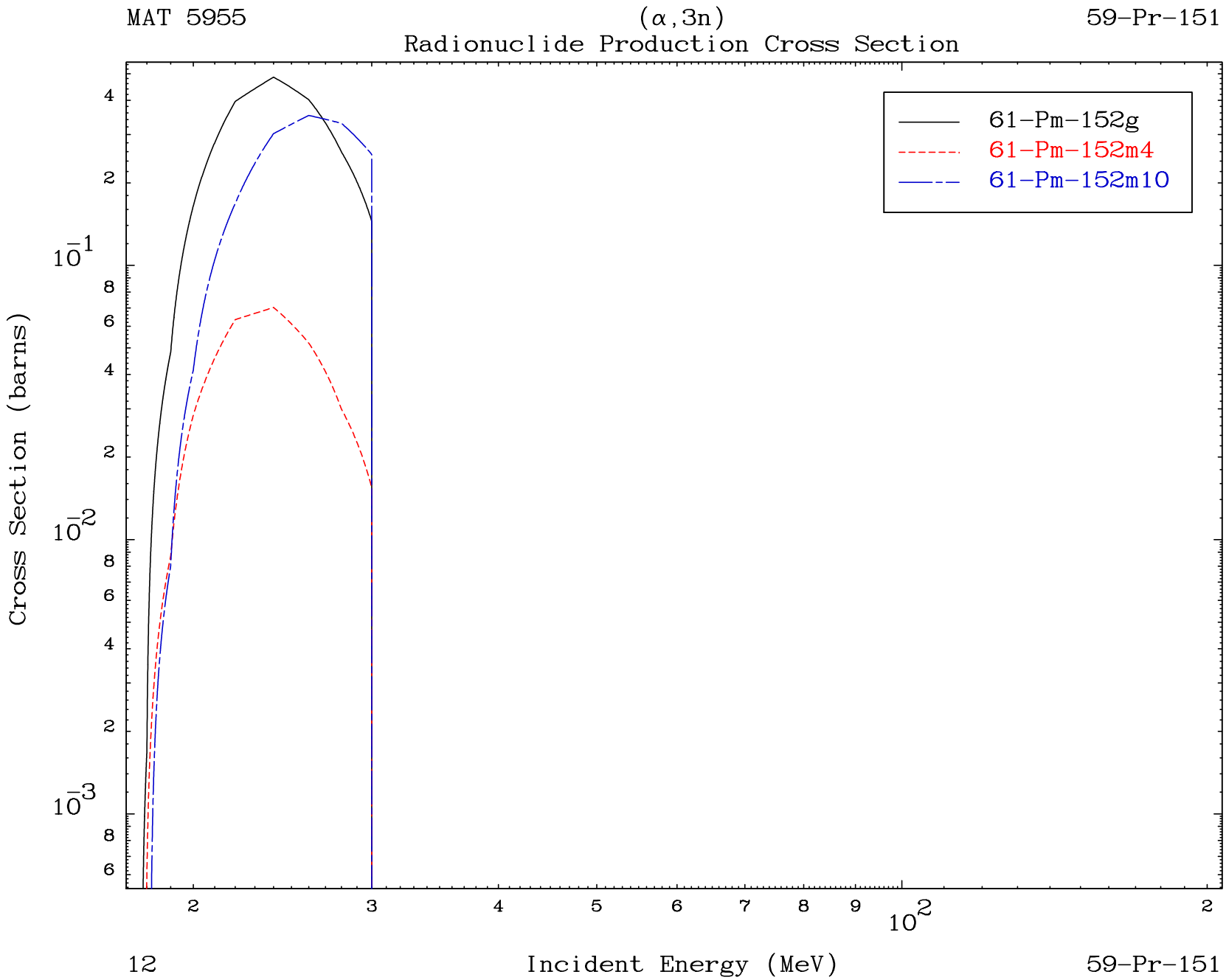

MAT 5955
(α,d) Levels
59-Pr-151
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
59-Pr-151

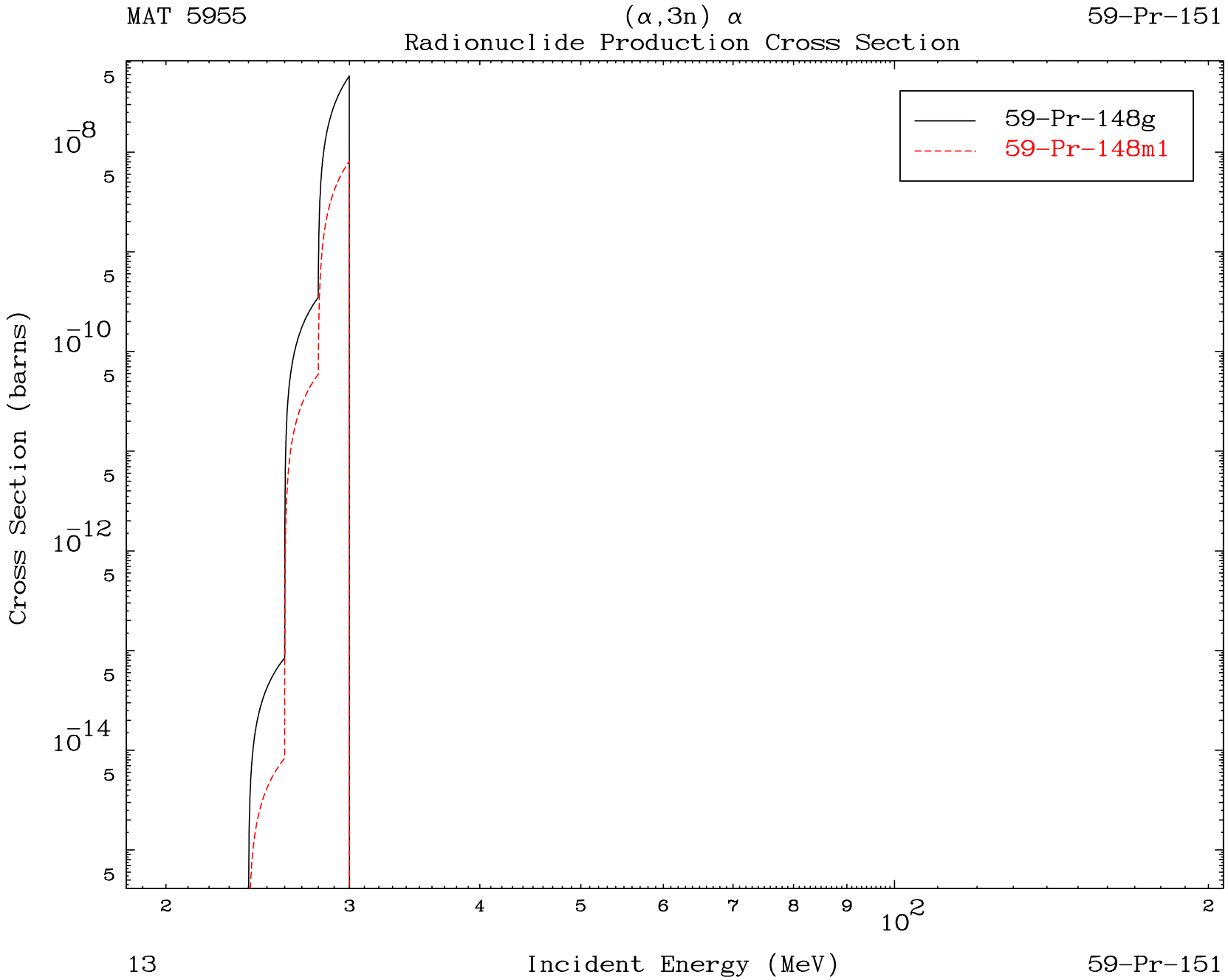

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


MAT 5955
(α,He3) Levels
0 Kelvin Cross Sections
59-Pr-151
(α,He-3)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
59-Pr-151


MAT 5955
(α,α) Levels
59-Pr-151
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-151


MAT 5955
α Inelastic
59-Pr-151
Radionuclide Production Cross Section
61-Pm-154g
61-Pm-154m1
Cross Section (barns)
Incident Energy (MeV)
11
59-Pr-151


MAT 5955
(α,3n)
59-Pr-151
Radionuclide Production Cross Section
61-Pm-152g
61-Pm-152m4
61-Pm-152m10
Cross Section (barns)
Incident Energy (MeV)
12
59-Pr-151


MAT 5955
(α,3n) α
59-Pr-151
Radionuclide Production Cross Section
59-Pr-148g
59-Pr-148m1
Cross Section (barns)
Incident Energy (MeV)
13
59-Pr-151