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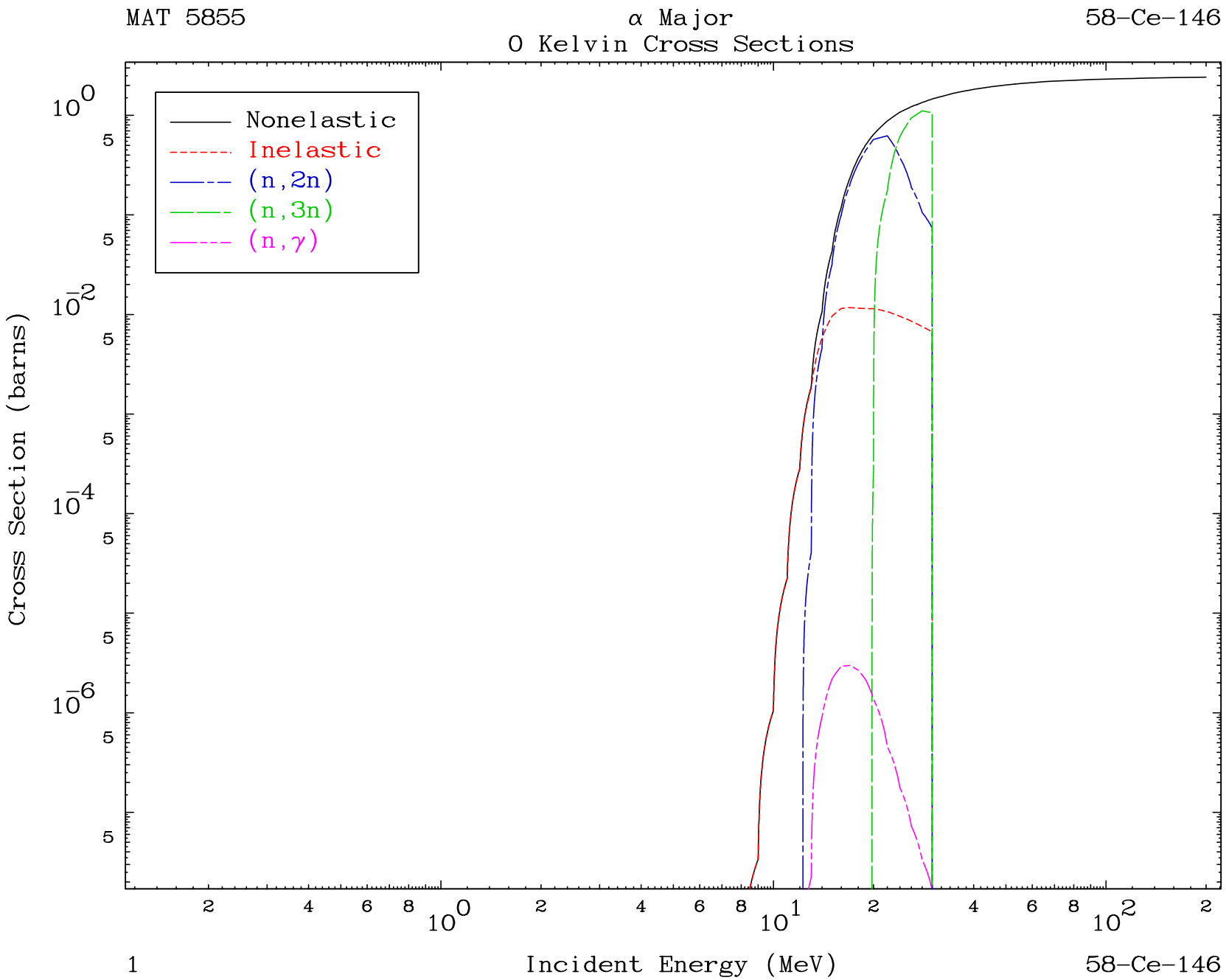
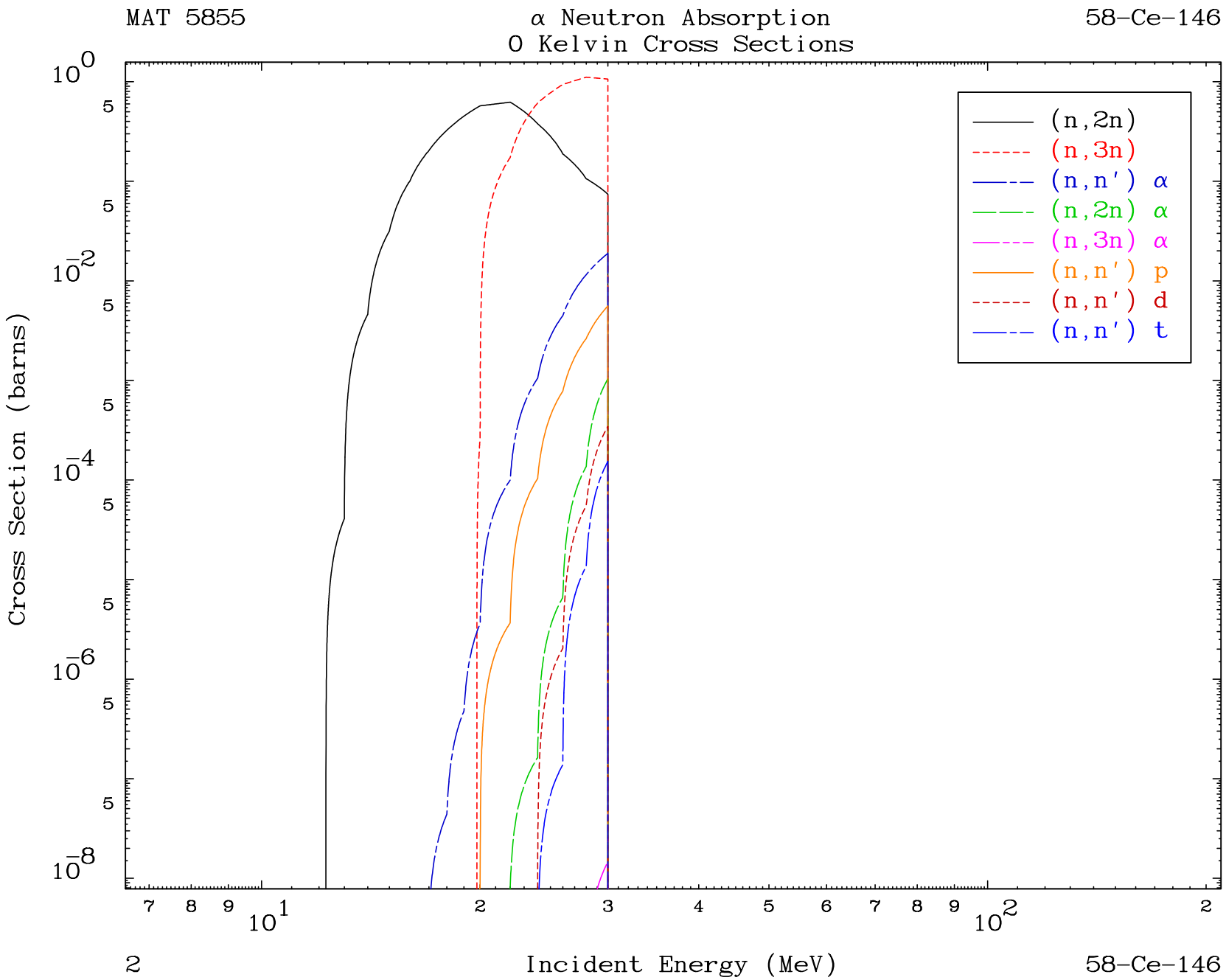
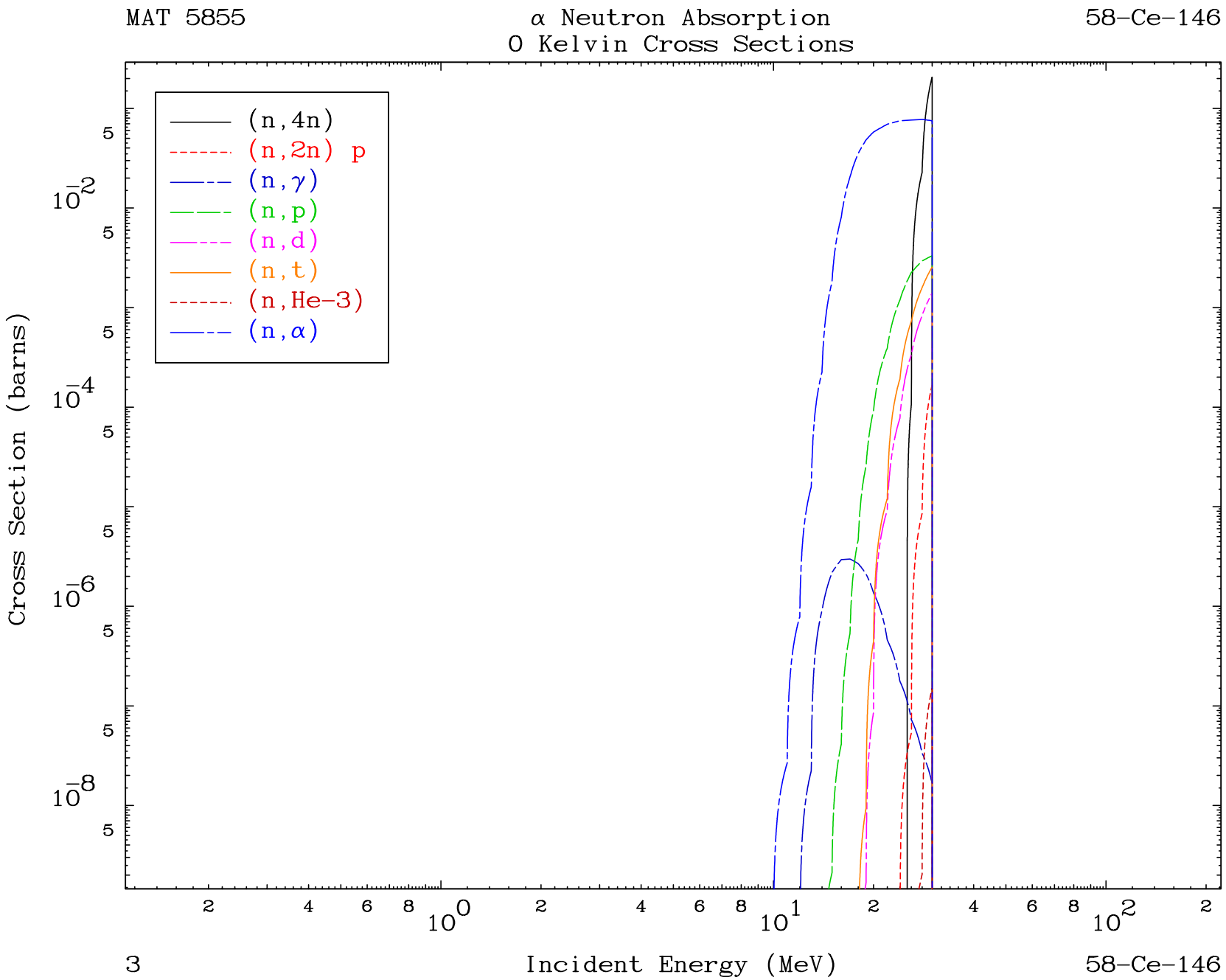
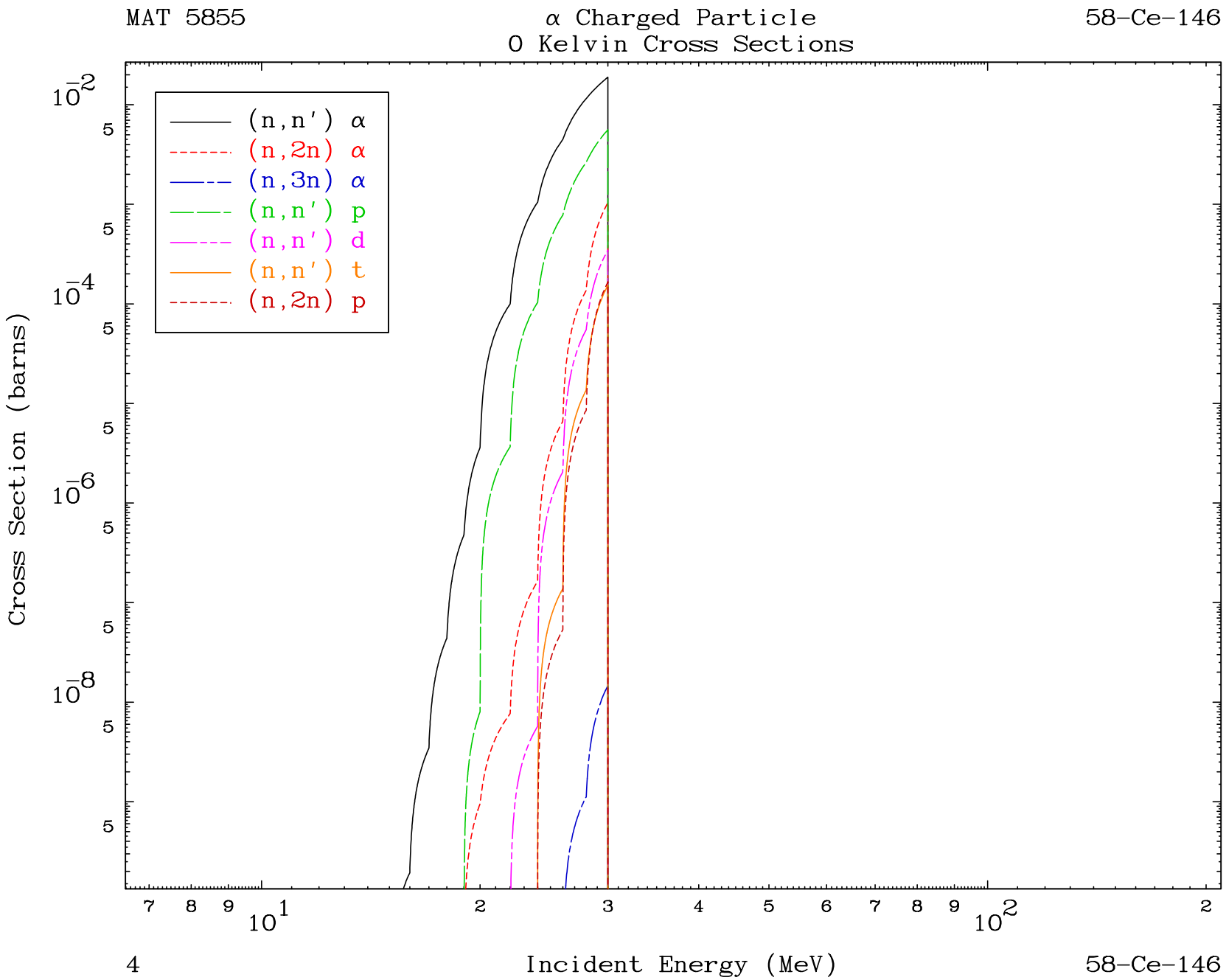
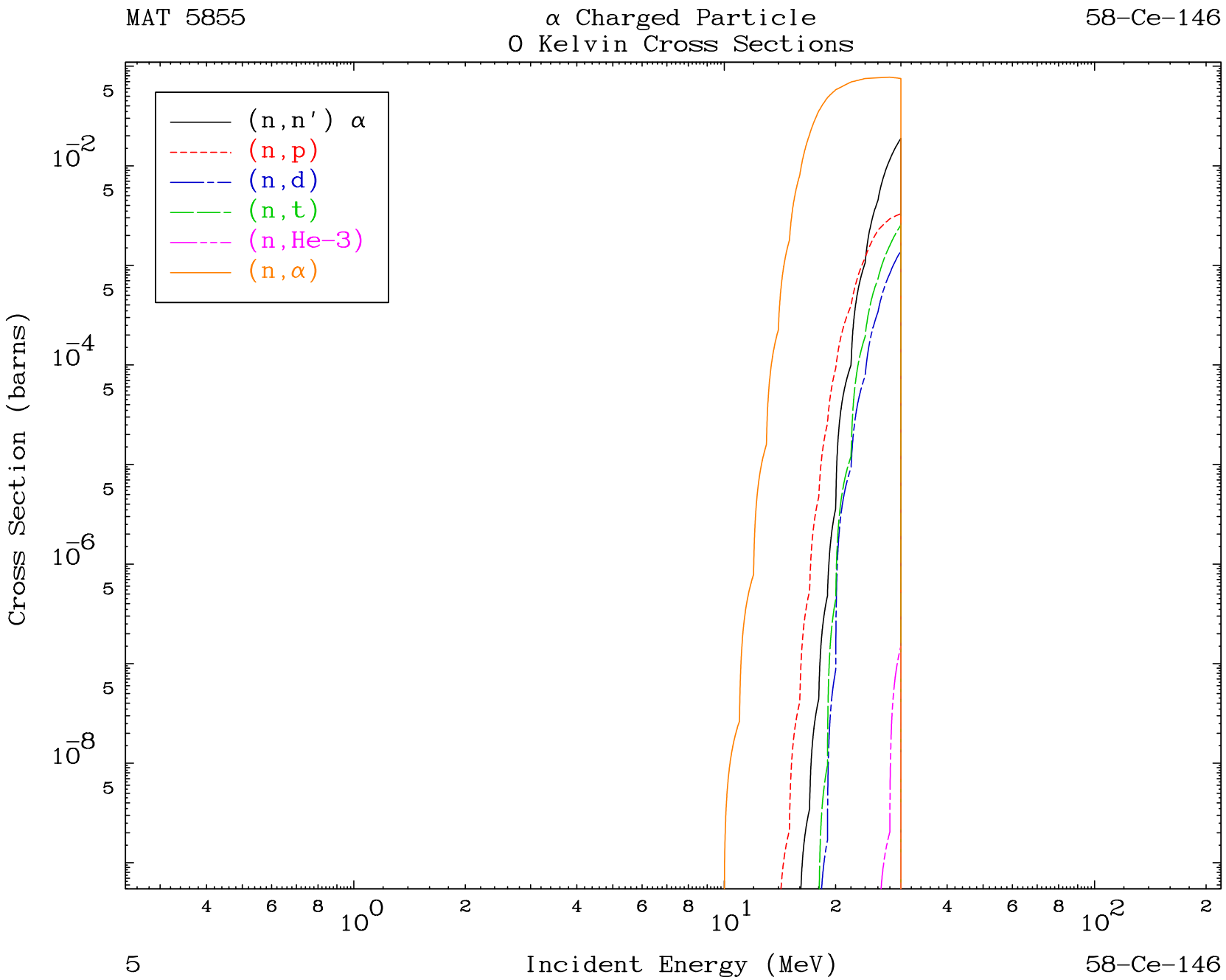
Press Mouse Button to Start

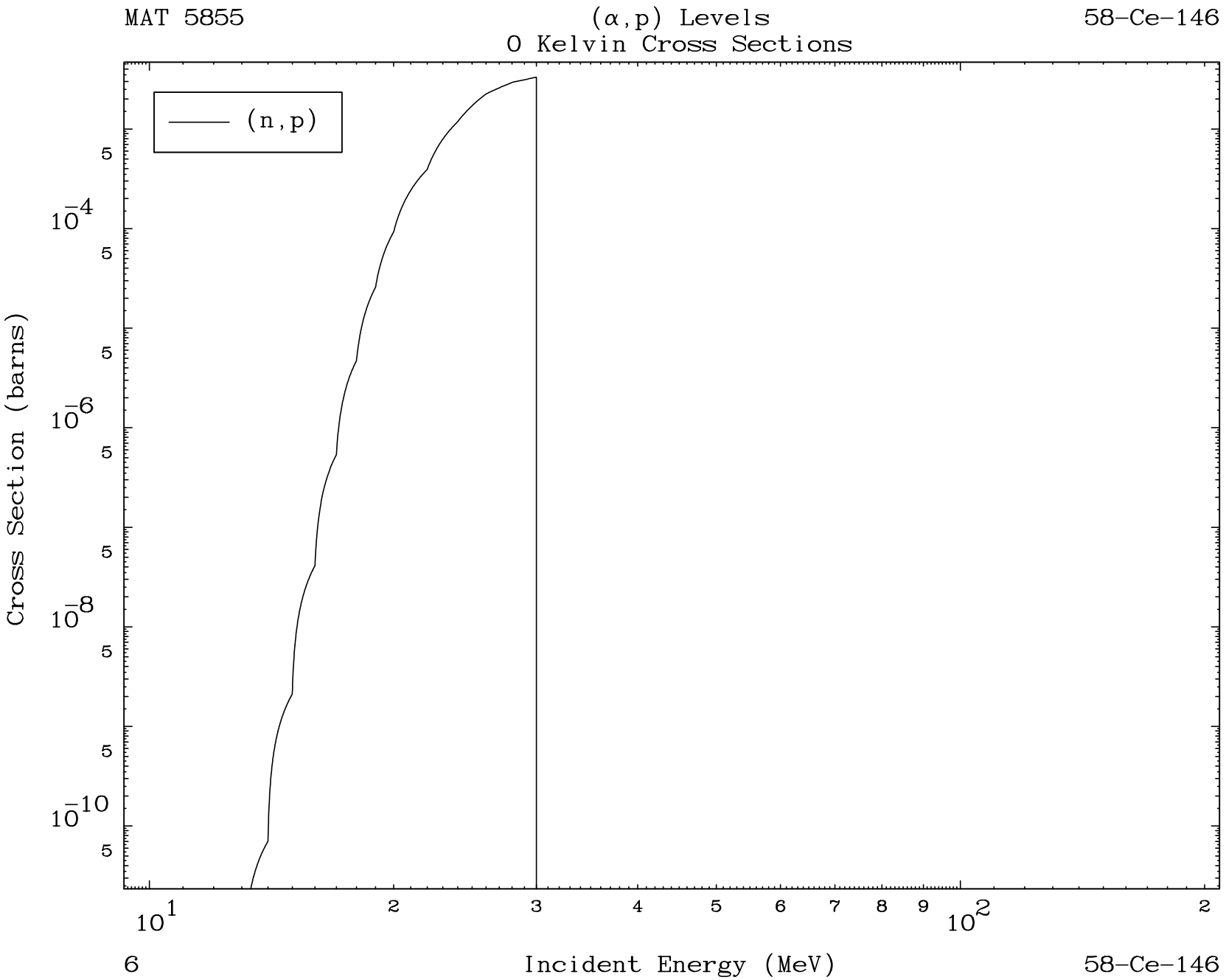

MAT 5855
α Major
58-Ce-146
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-146
1

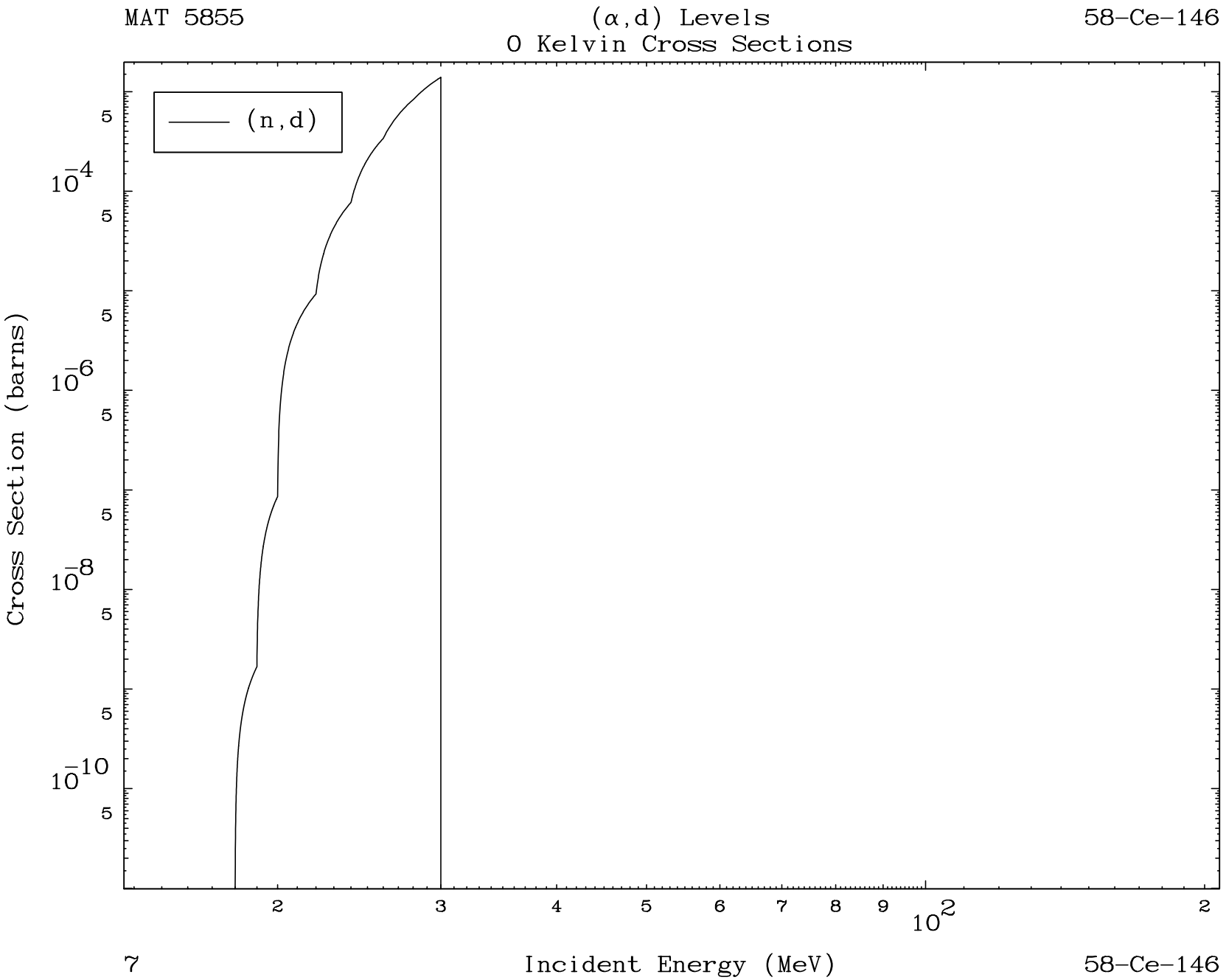

MAT 5855
α Neutron Absorption
0 Kelvin Cross Sections
58-Ce-146
Cross Section (barns)
Incident Energy (MeV)
58-Ce-146
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t

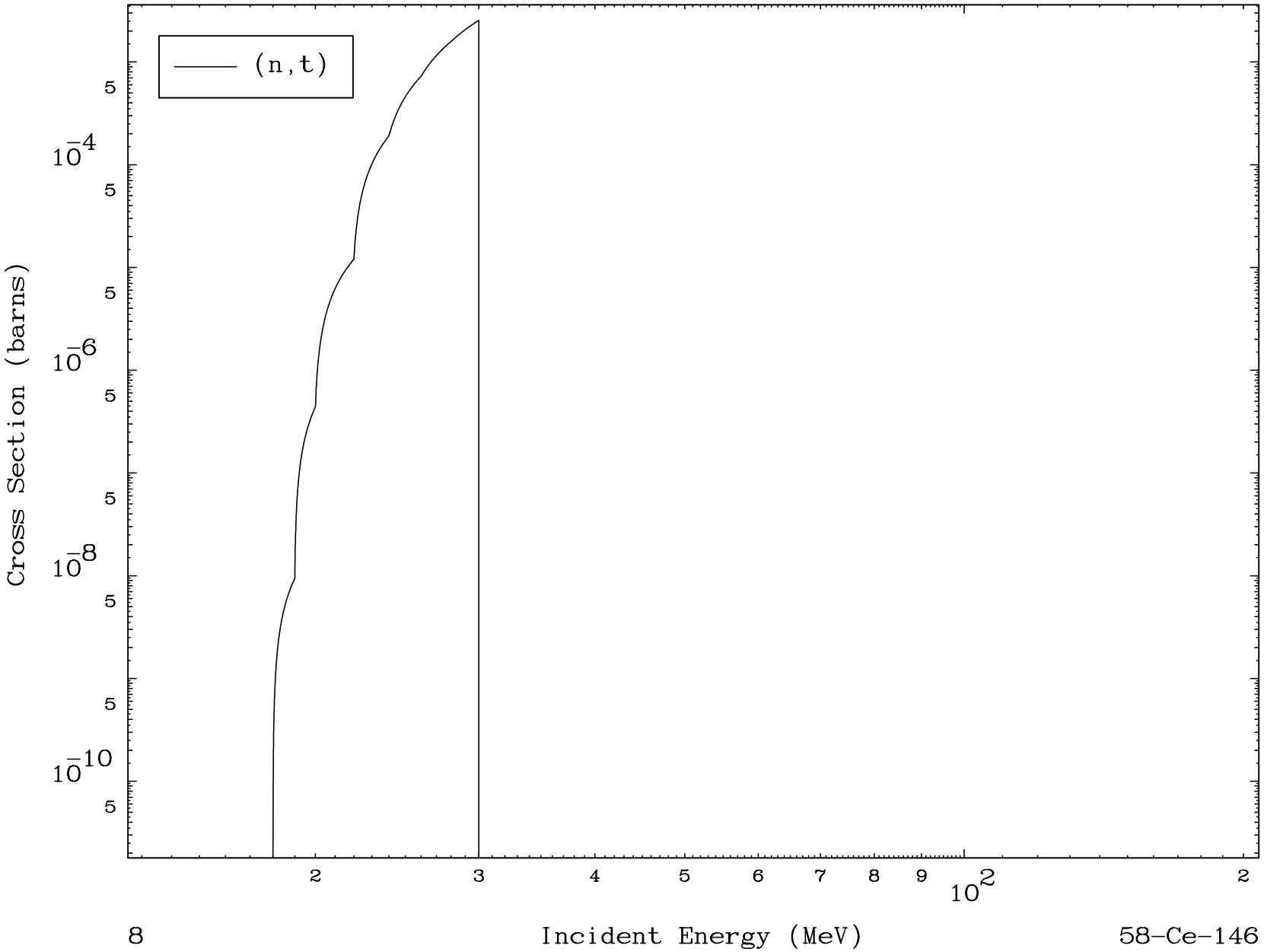

MAT 5855
α Neutron Absorption
0 Kelvin Cross Sections
58-Ce-146
(n,4n)
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
58-Ce-146

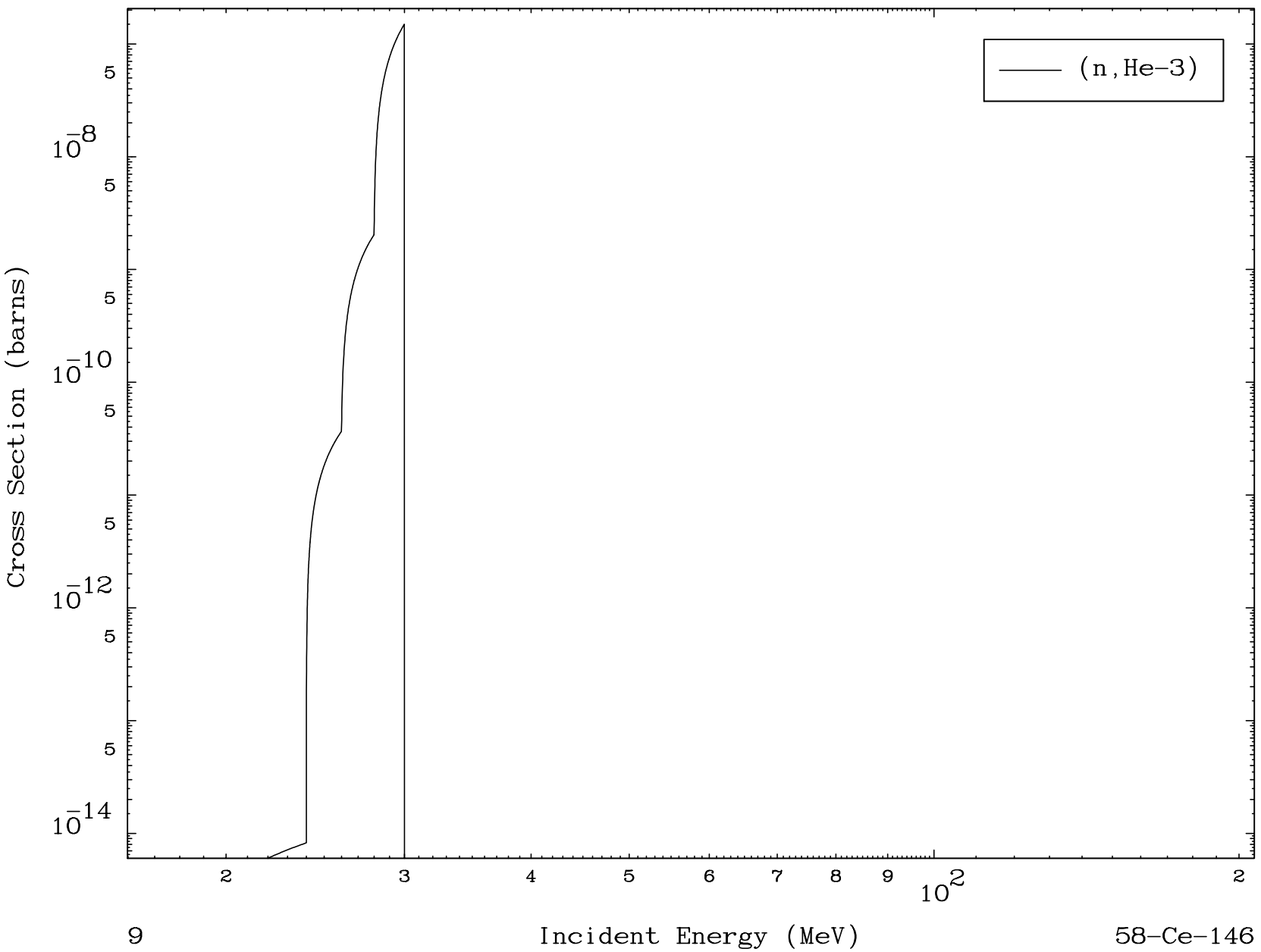

MAT 5855
α Charged Particle
0 Kelvin Cross Sections
58-Ce-146
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
58-Ce-146
4

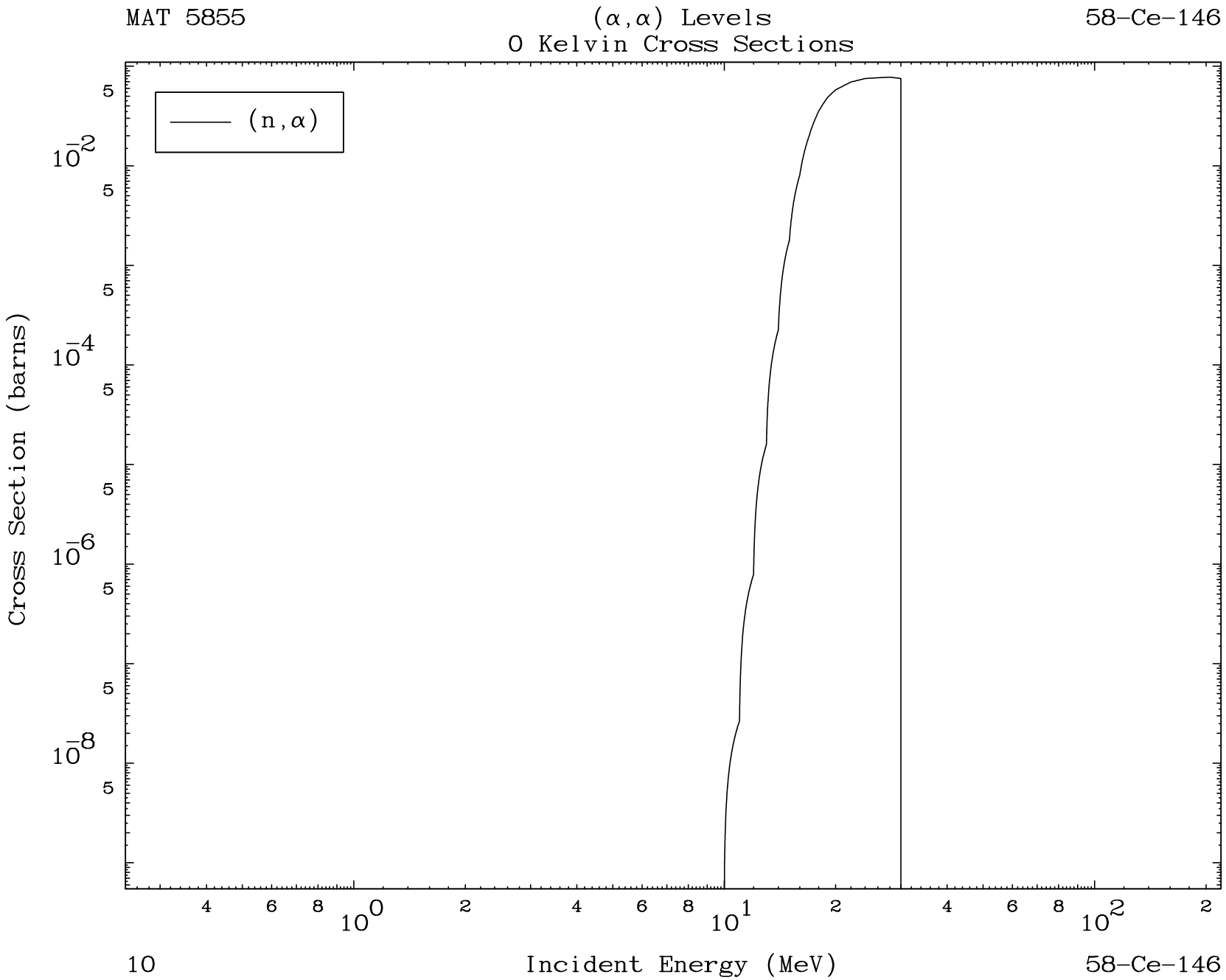

MAT 5855
α Charged Particle
0 Kelvin Cross Sections
58-Ce-146
(n,n') α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-146
5

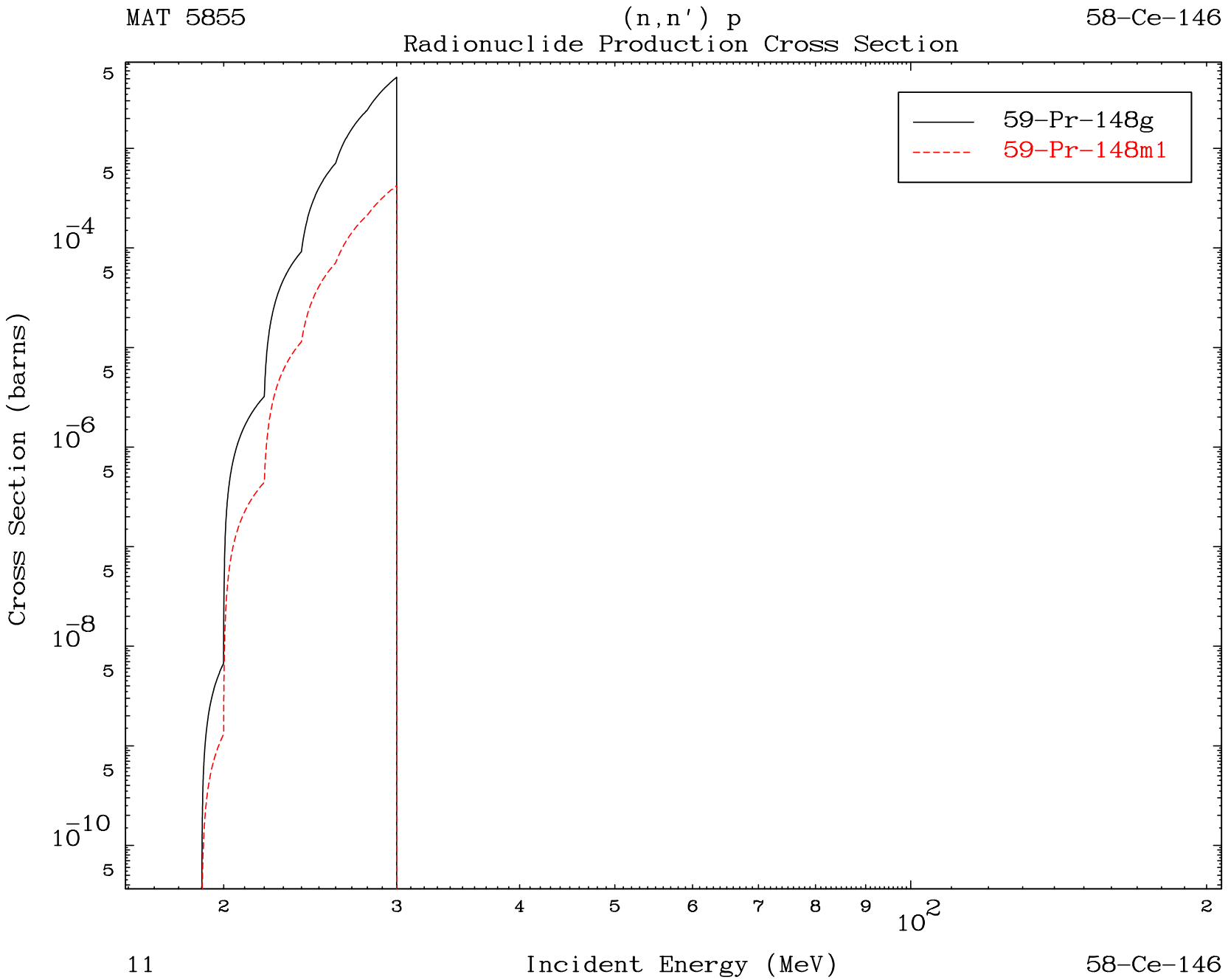

MAT 5855
(α,p) Levels
58-Ce-146
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
6
58-Ce-146

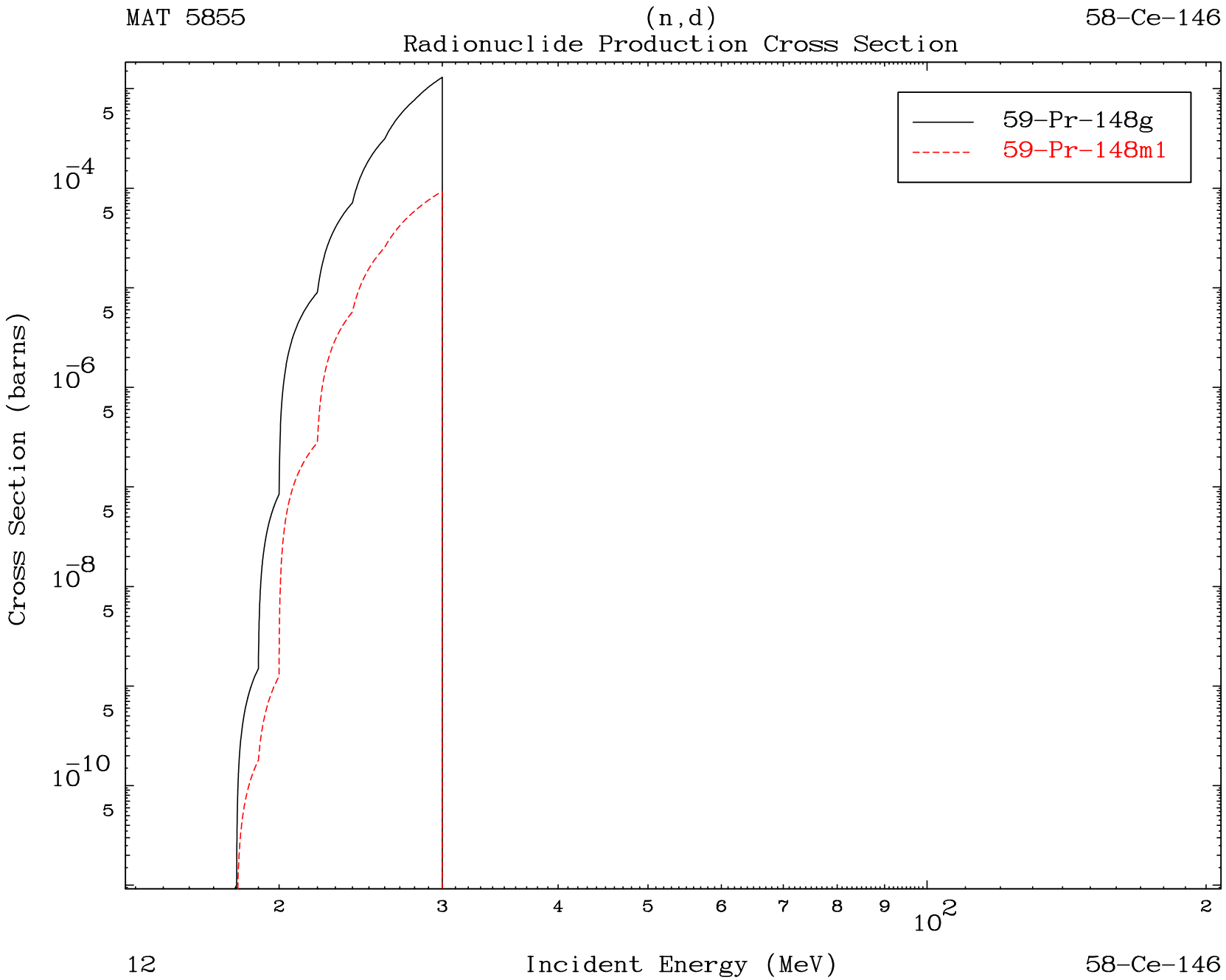

MAT 5855
(α,d) Levels
58-Ce-146
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
58-Ce-146


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


0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)


MAT 5855
(α,α) Levels
58-Ce-146
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-146


MAT 5855
(n,n') p
58-Ce-146
Radionuclide Production Cross Section
59-Pr-148g
59-Pr-148m1
Cross Section (barns)
Incident Energy (MeV)
11
58-Ce-146


MAT 5855
(n,d)
58-Ce-146
Radionuclide Production Cross Section
59-Pr-148g
59-Pr-148m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
12
Incident Energy (MeV)
58-Ce-146