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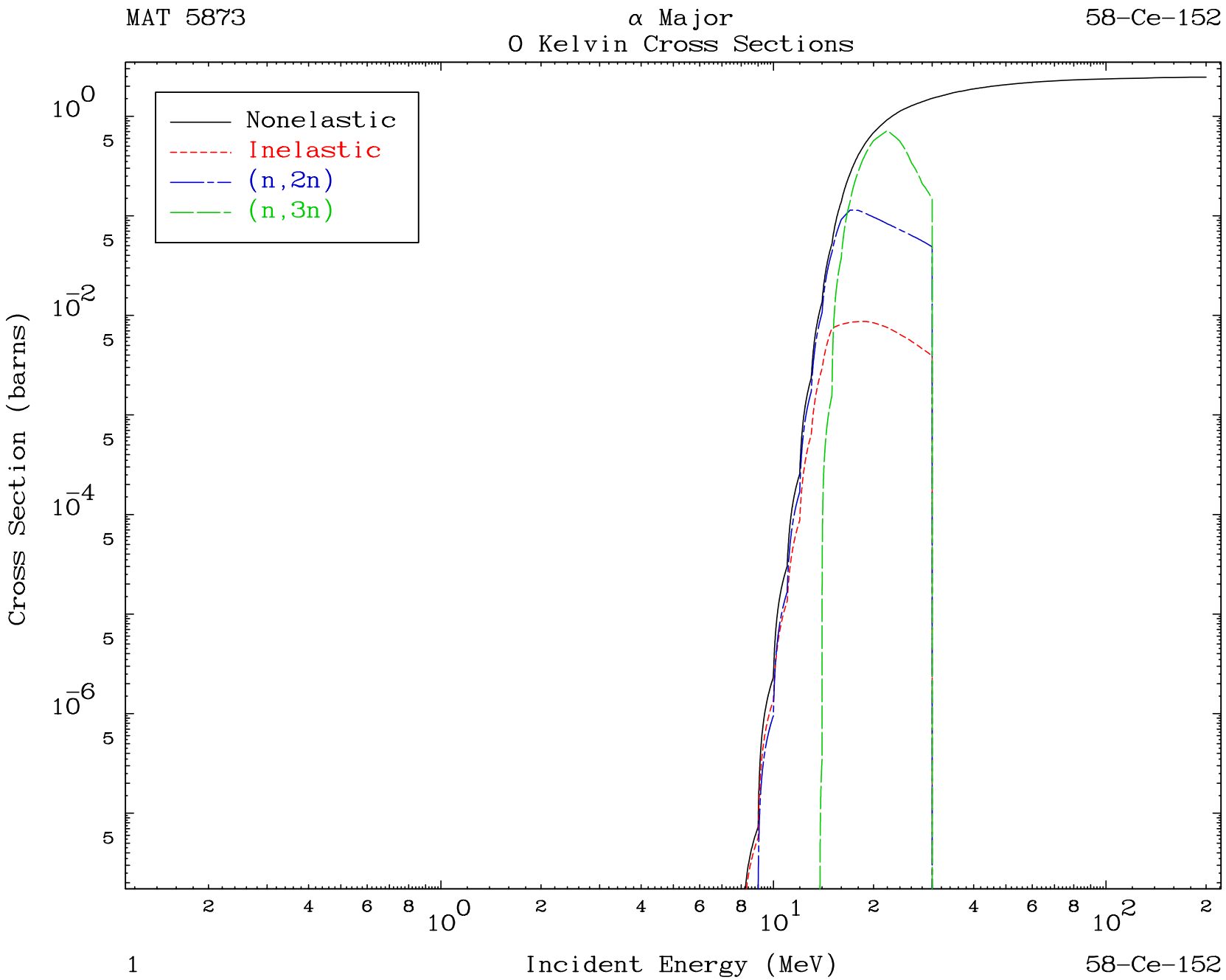
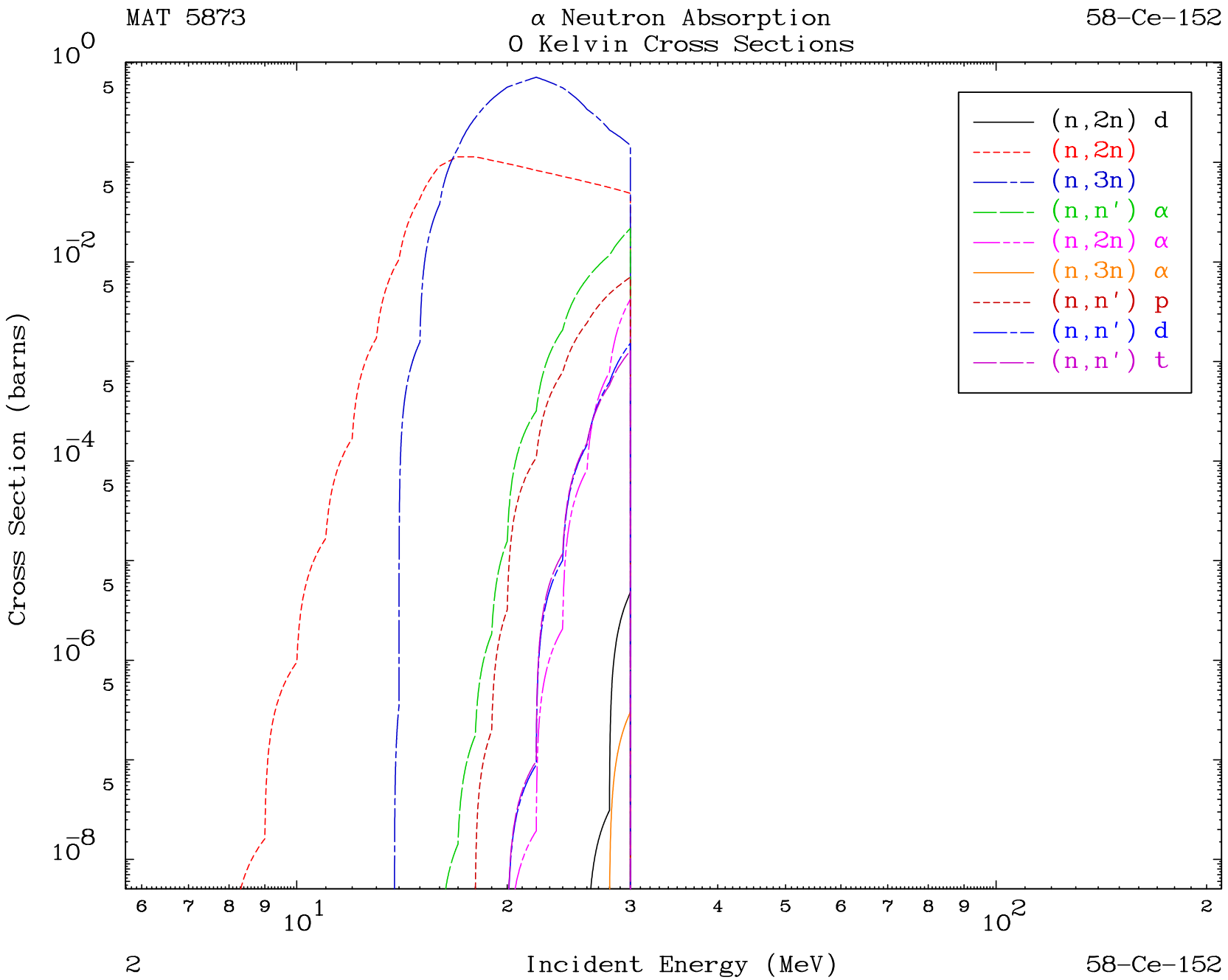
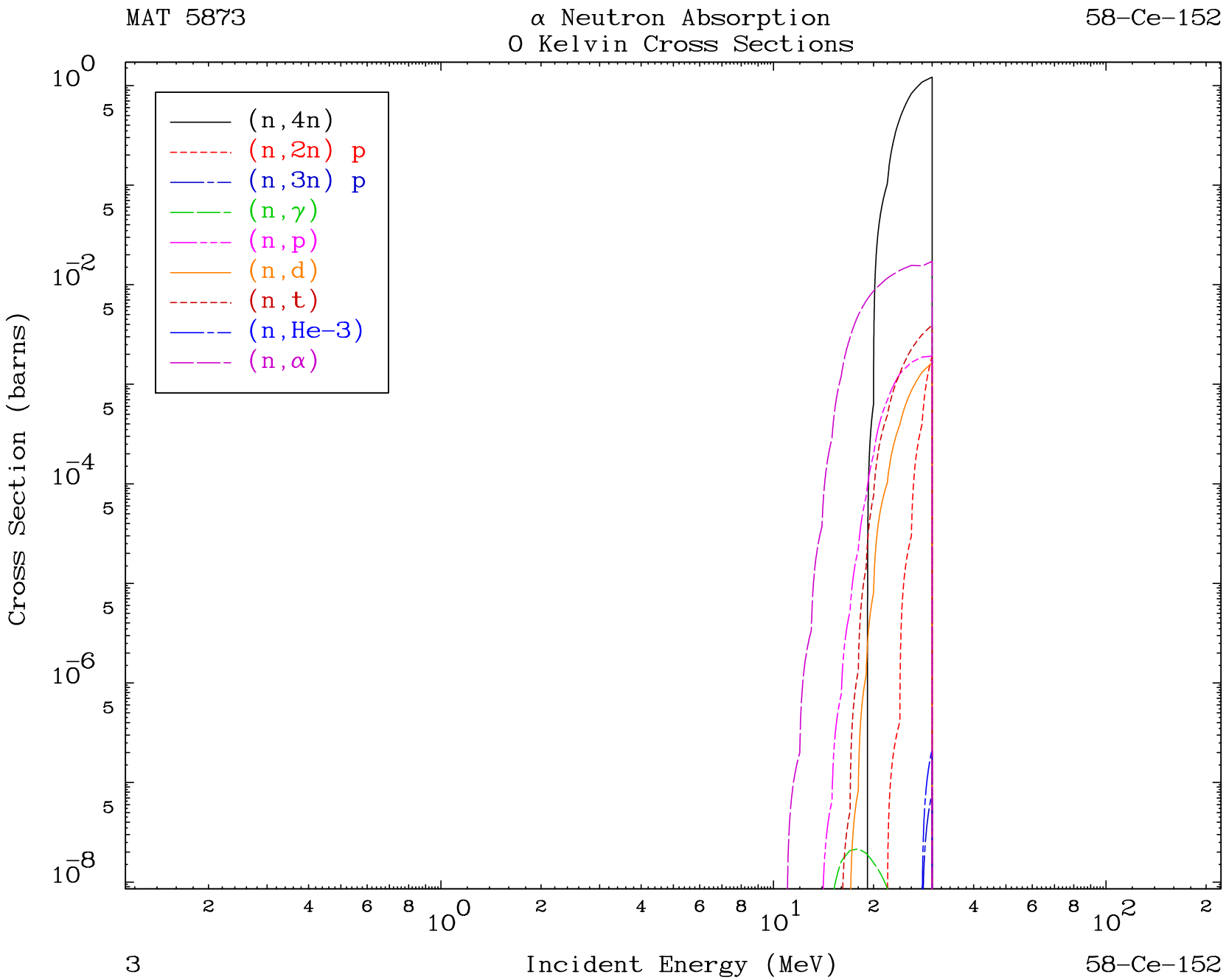
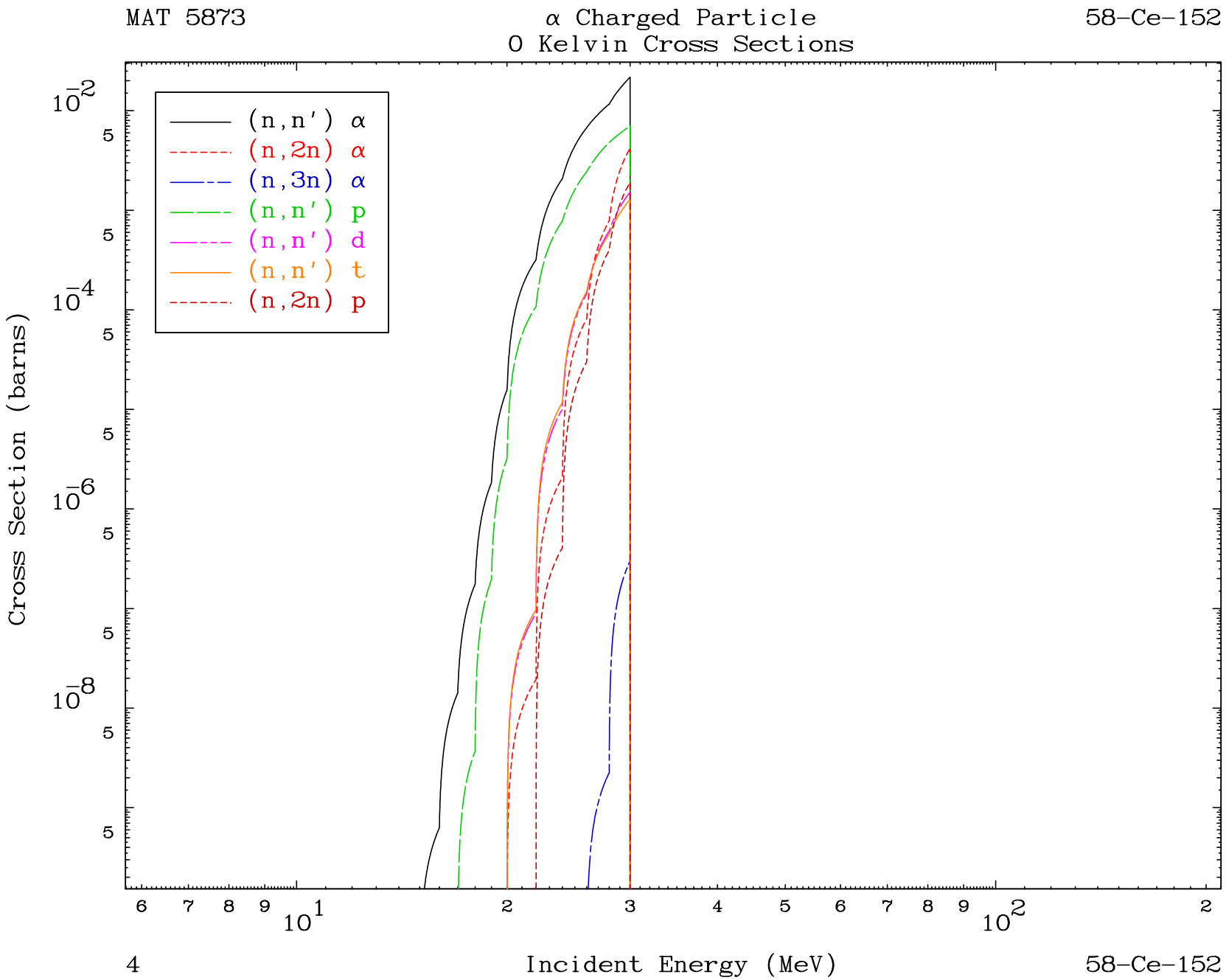
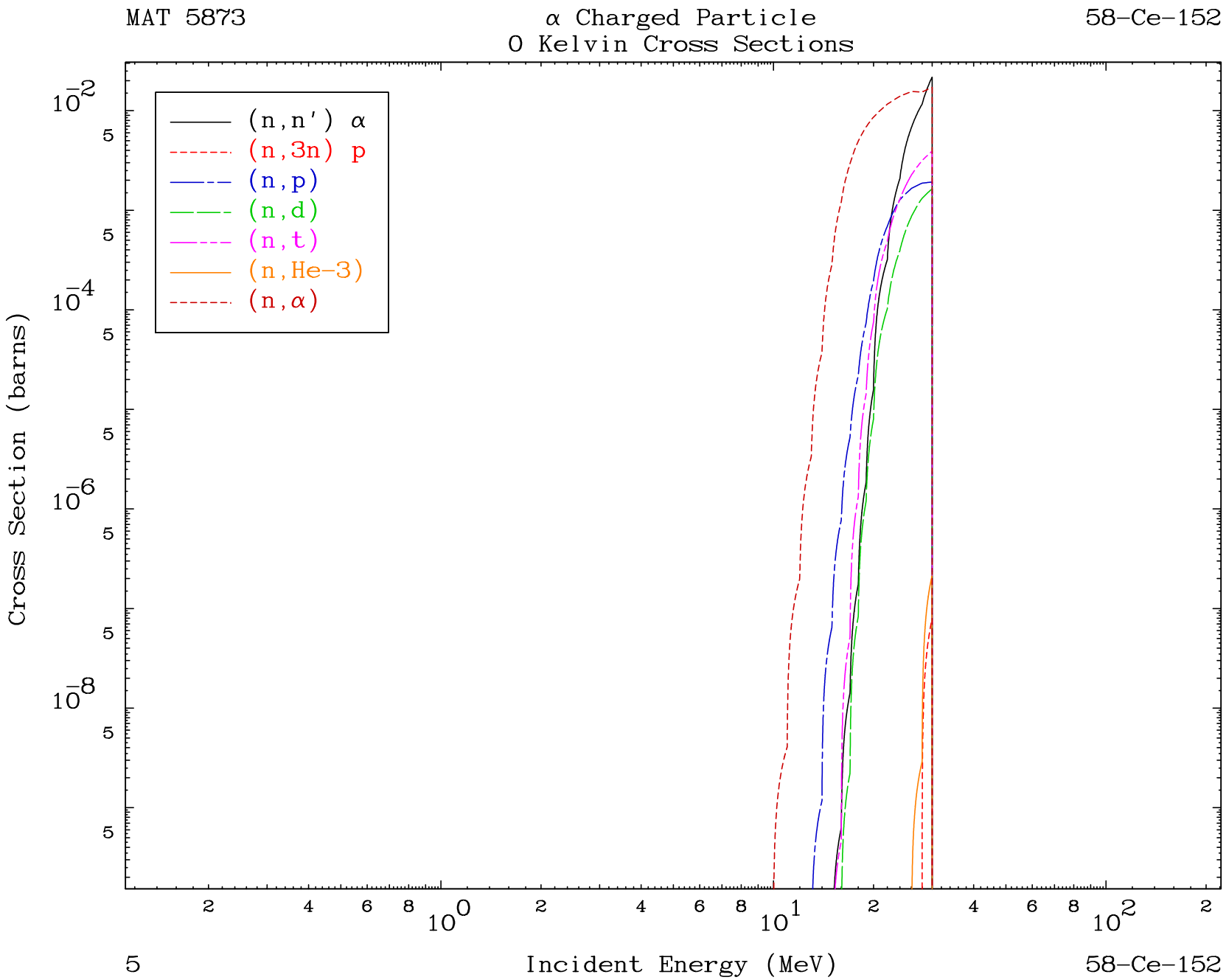
Press Mouse Button to Start

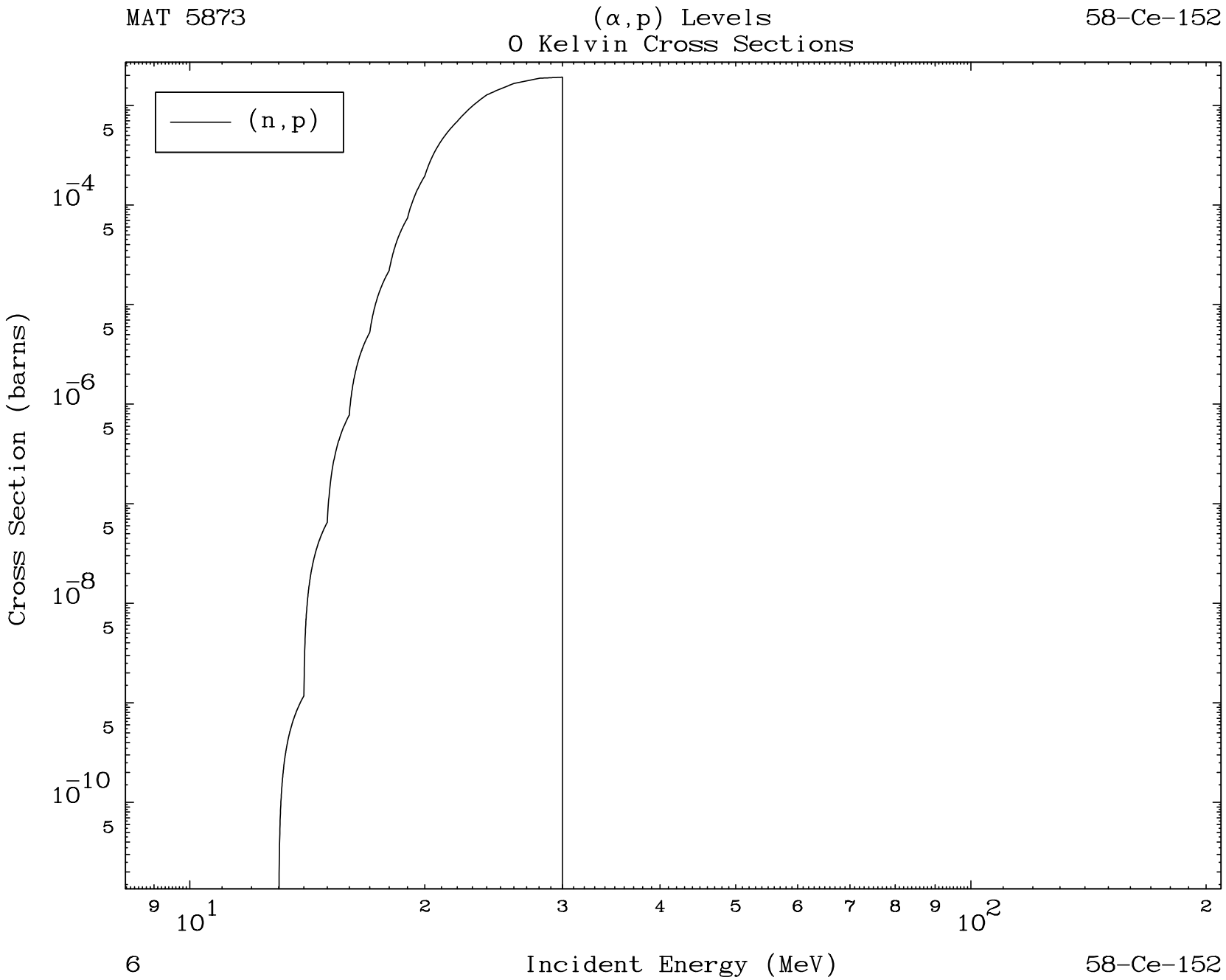

MAT 5873
α Major
58-Ce-152
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-152
1

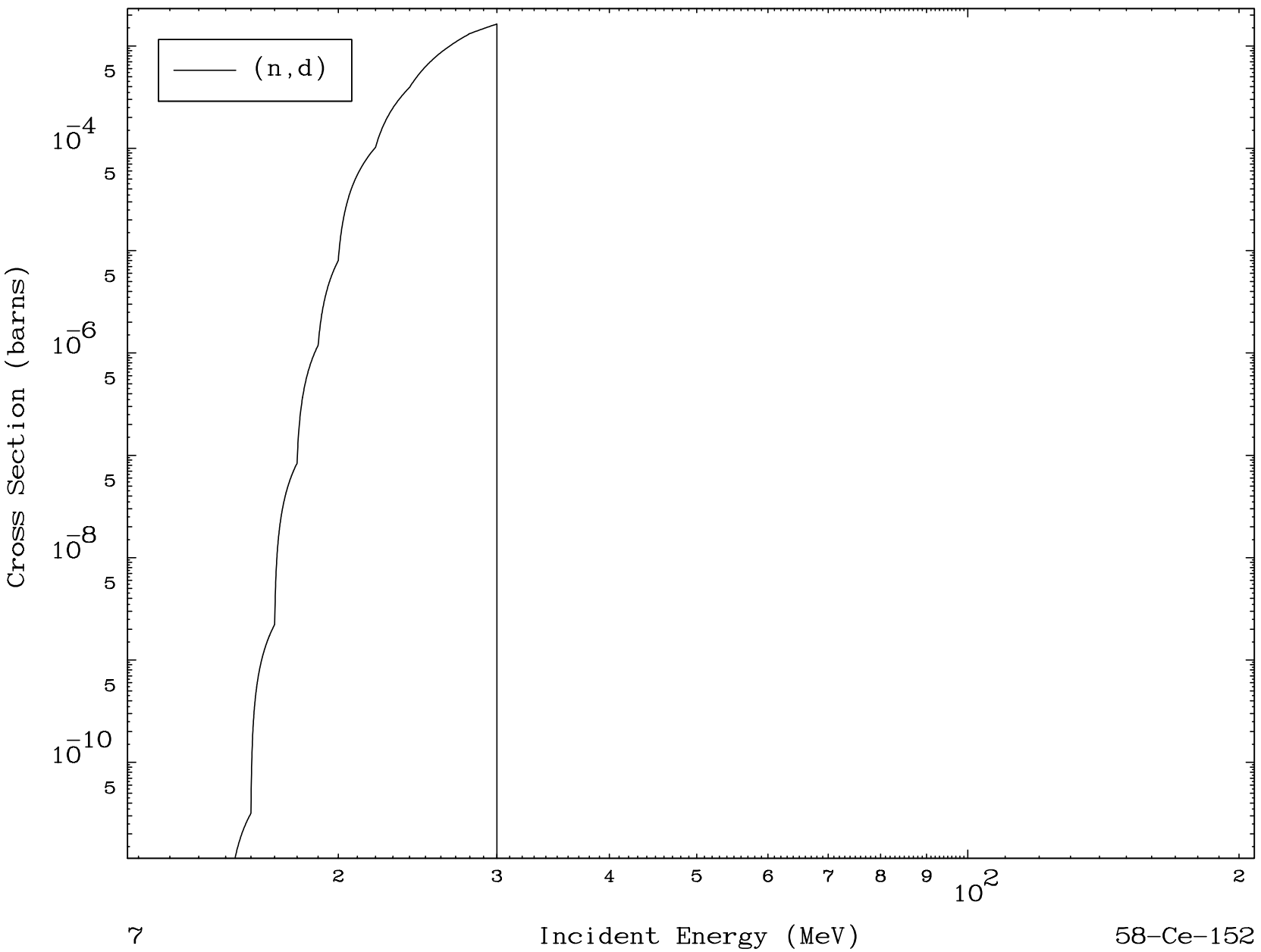

MAT 5873
α Neutron Absorption
0 Kelvin Cross Sections
58-Ce-152
Cross Section (barns)
Incident Energy (MeV)
58-Ce-152
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t

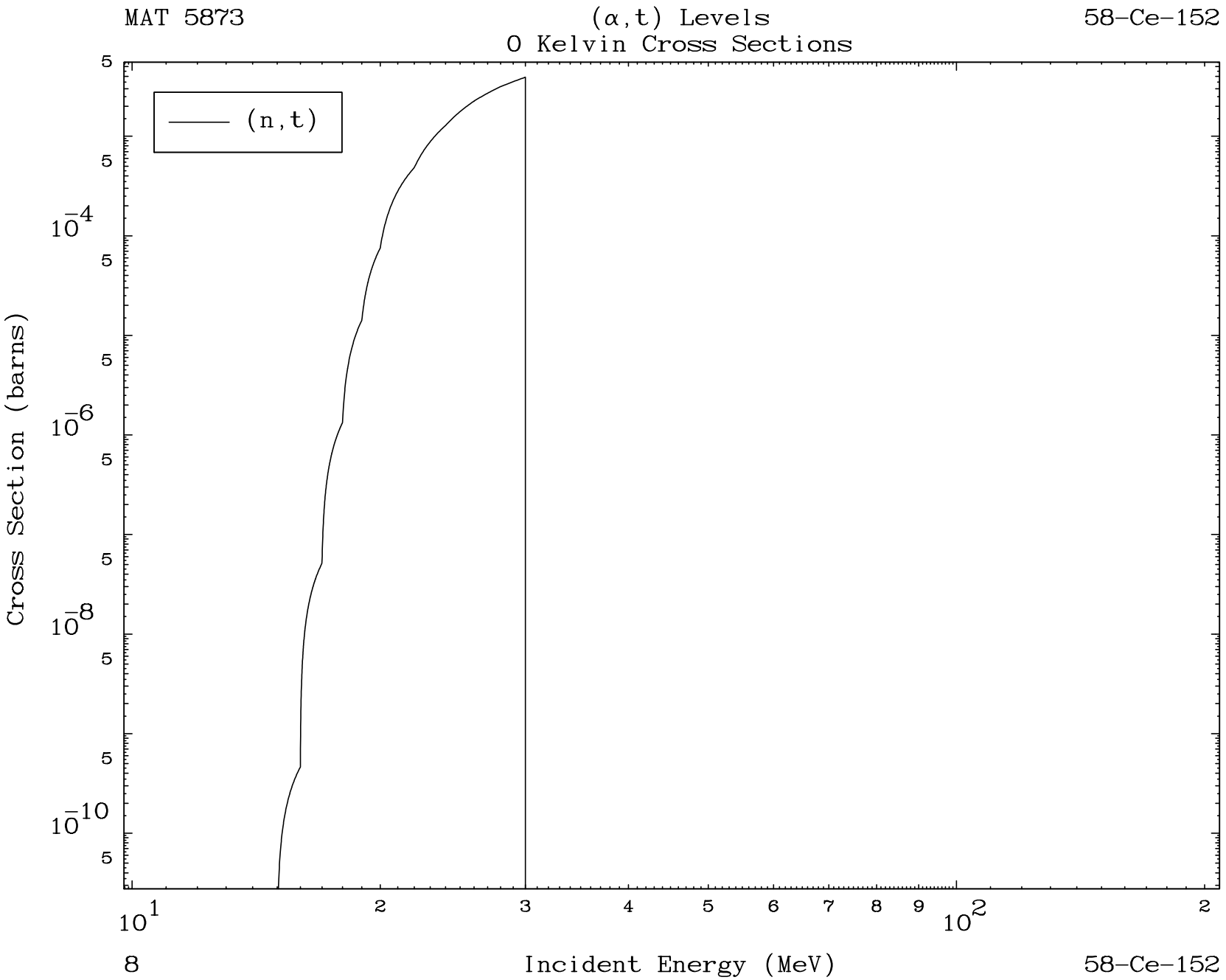

MAT 5873
α Neutron Absorption
0 Kelvin Cross Sections
58-Ce-152
(n,4n)
(n,2n) p
(n,3n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
58-Ce-152


MAT 5873
α Charged Particle
0 Kelvin Cross Sections
58-Ce-152
(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-152
4

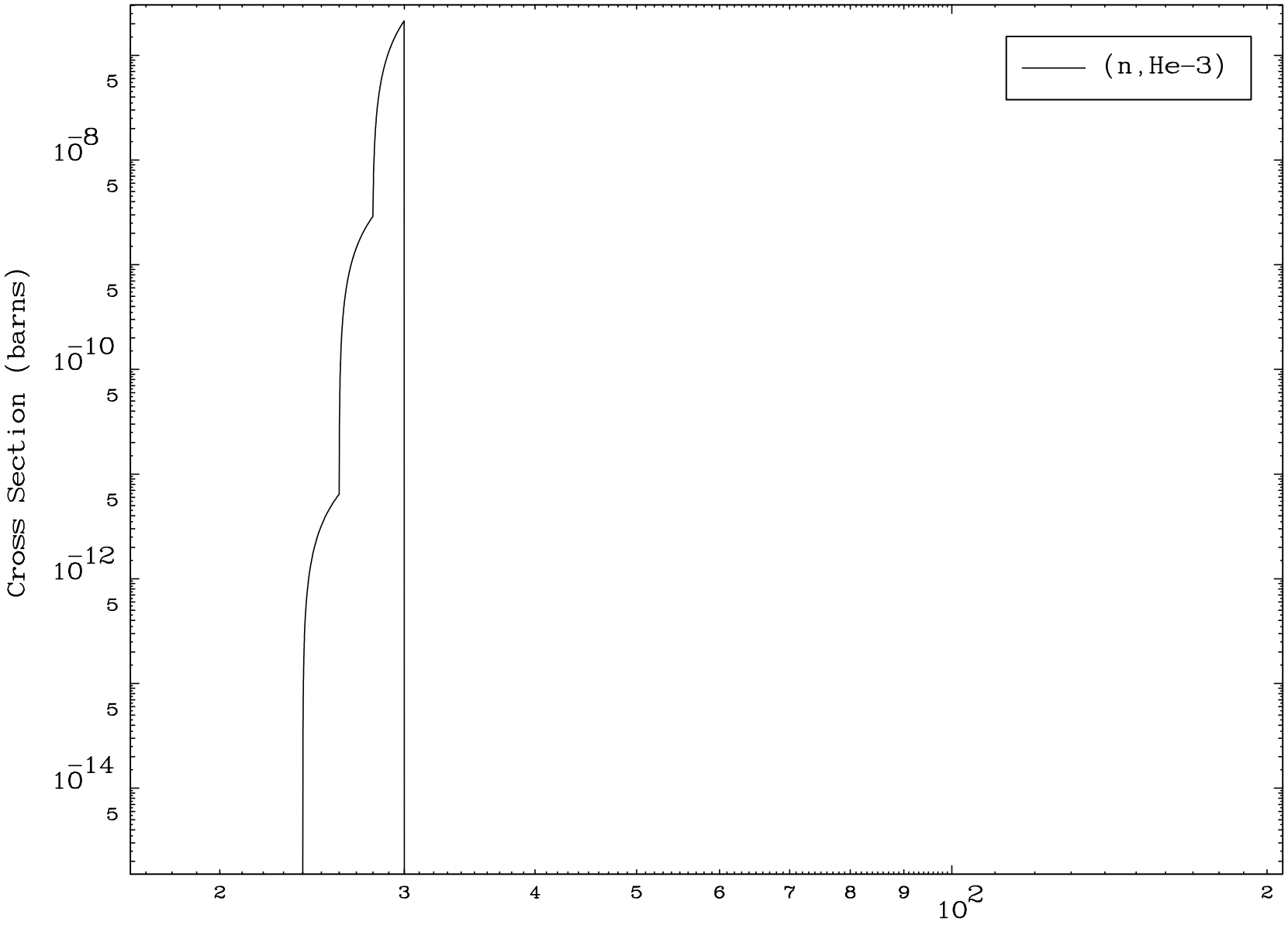

MAT 5873
α Charged Particle
0 Kelvin Cross Sections
58-Ce-152
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-152
5

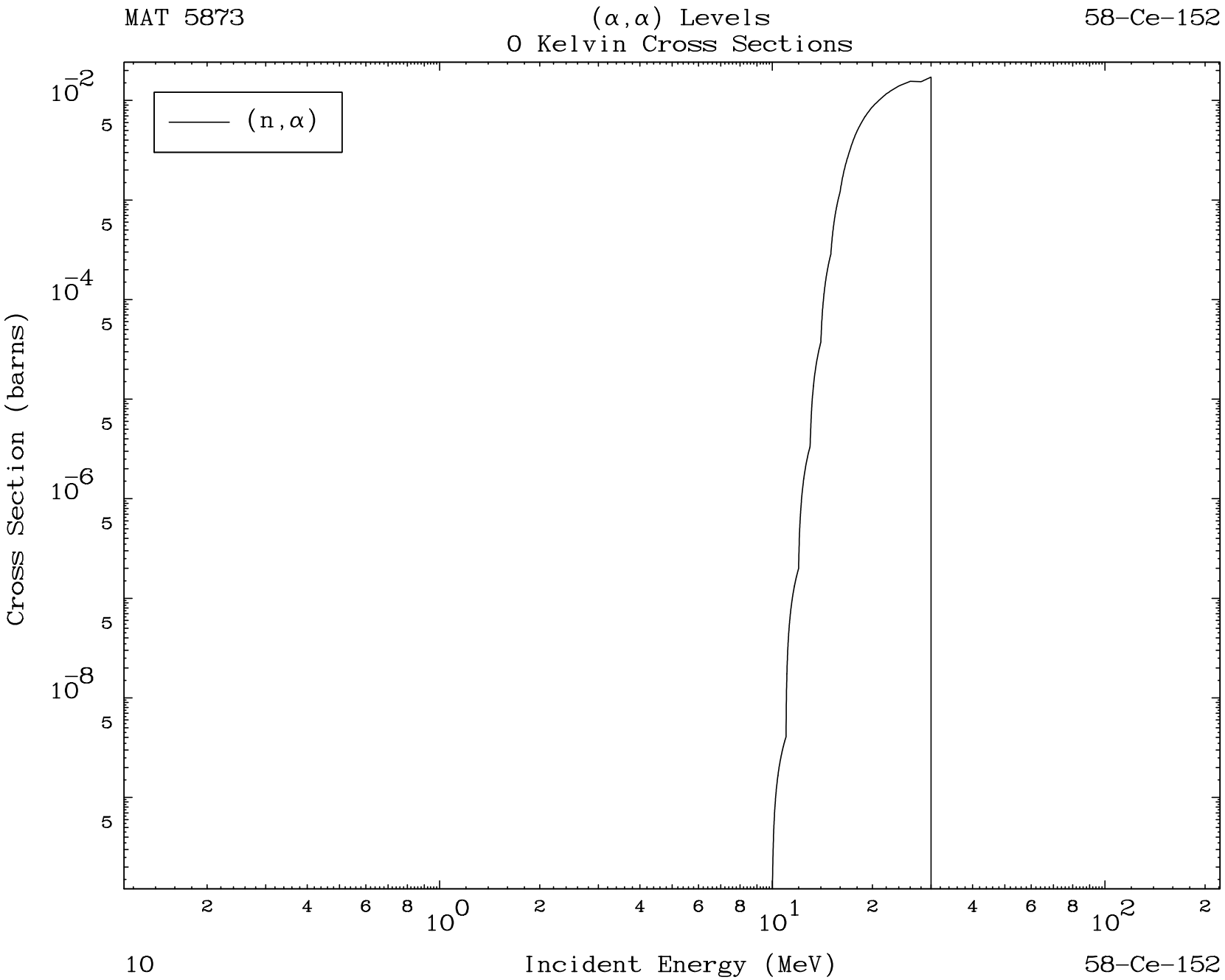

MAT 5873
(α,p) Levels
58-Ce-152
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
6
58-Ce-152


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)


MAT 5873
(α,t) Levels
58-Ce-152
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-152
8

0 Kelvin Cross Sections




MAT 5873
(α,α) Levels
58-Ce-152
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-152