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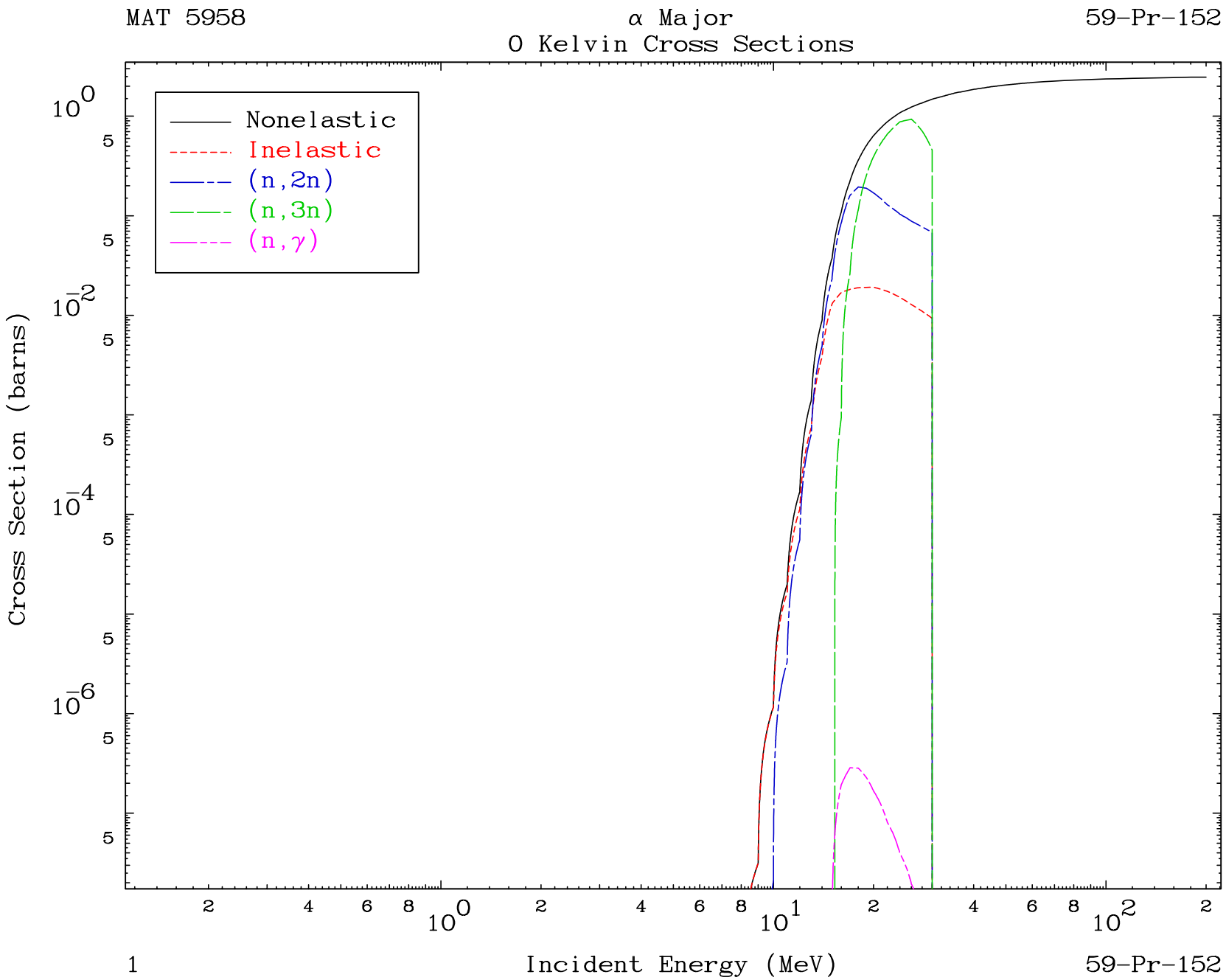
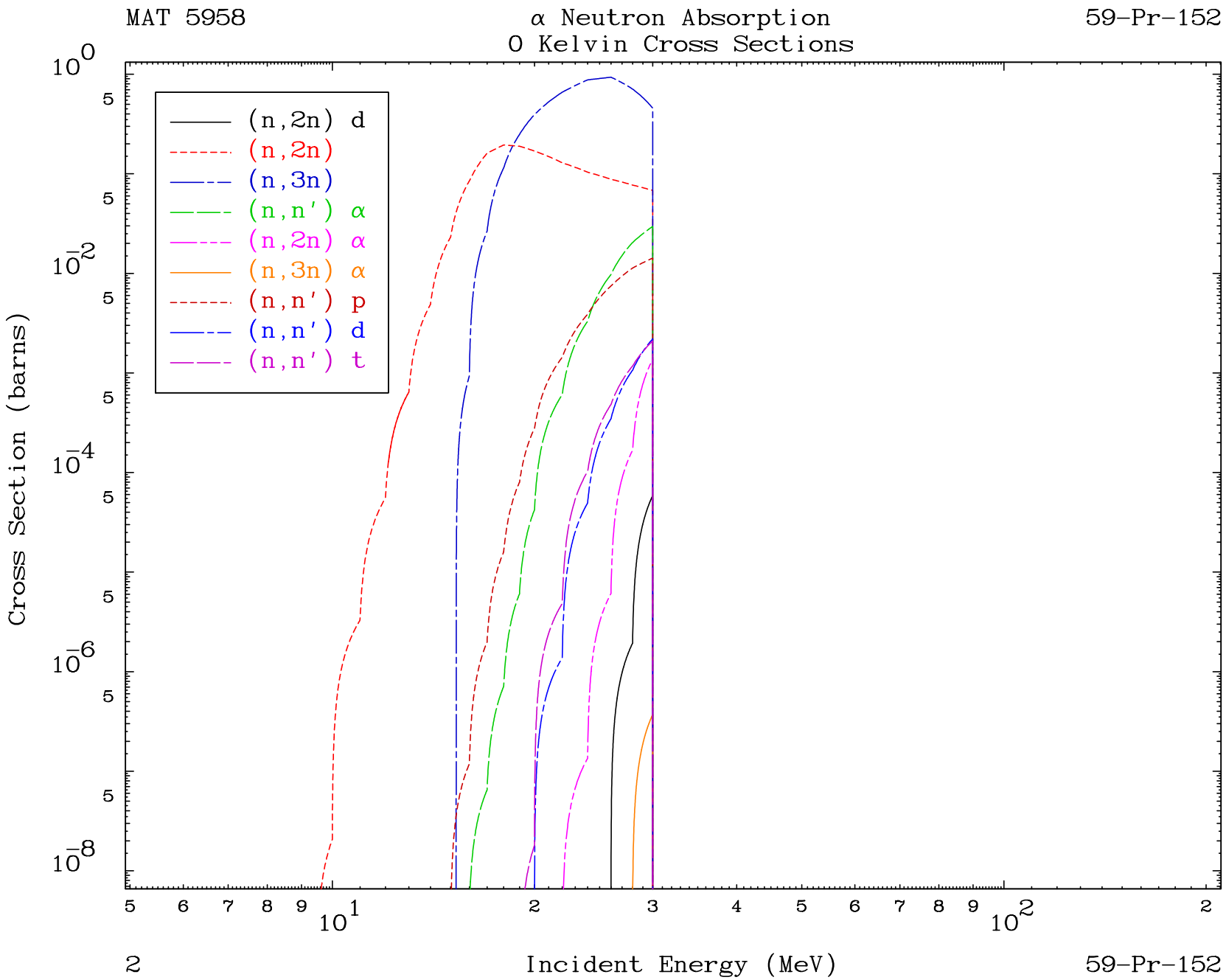
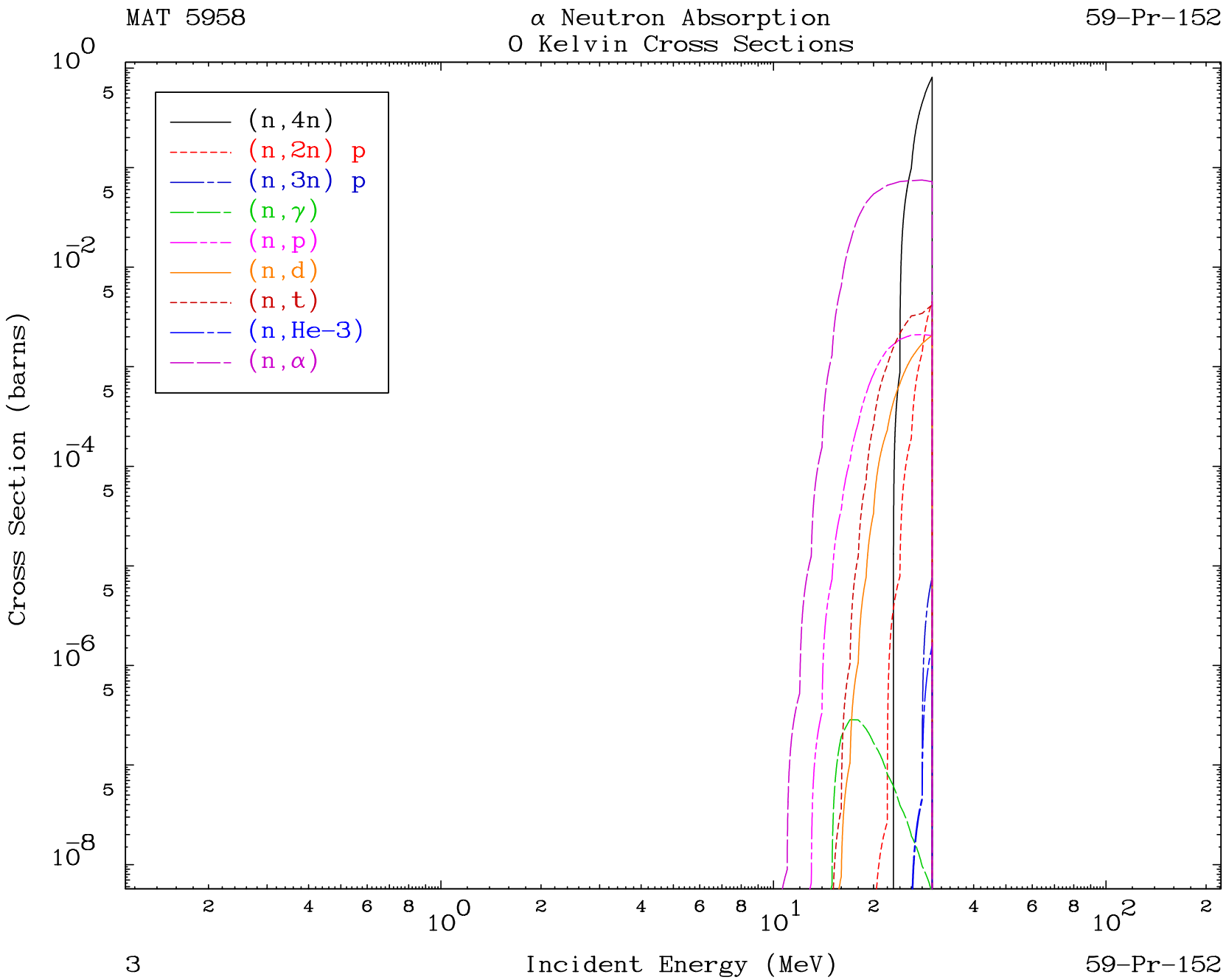
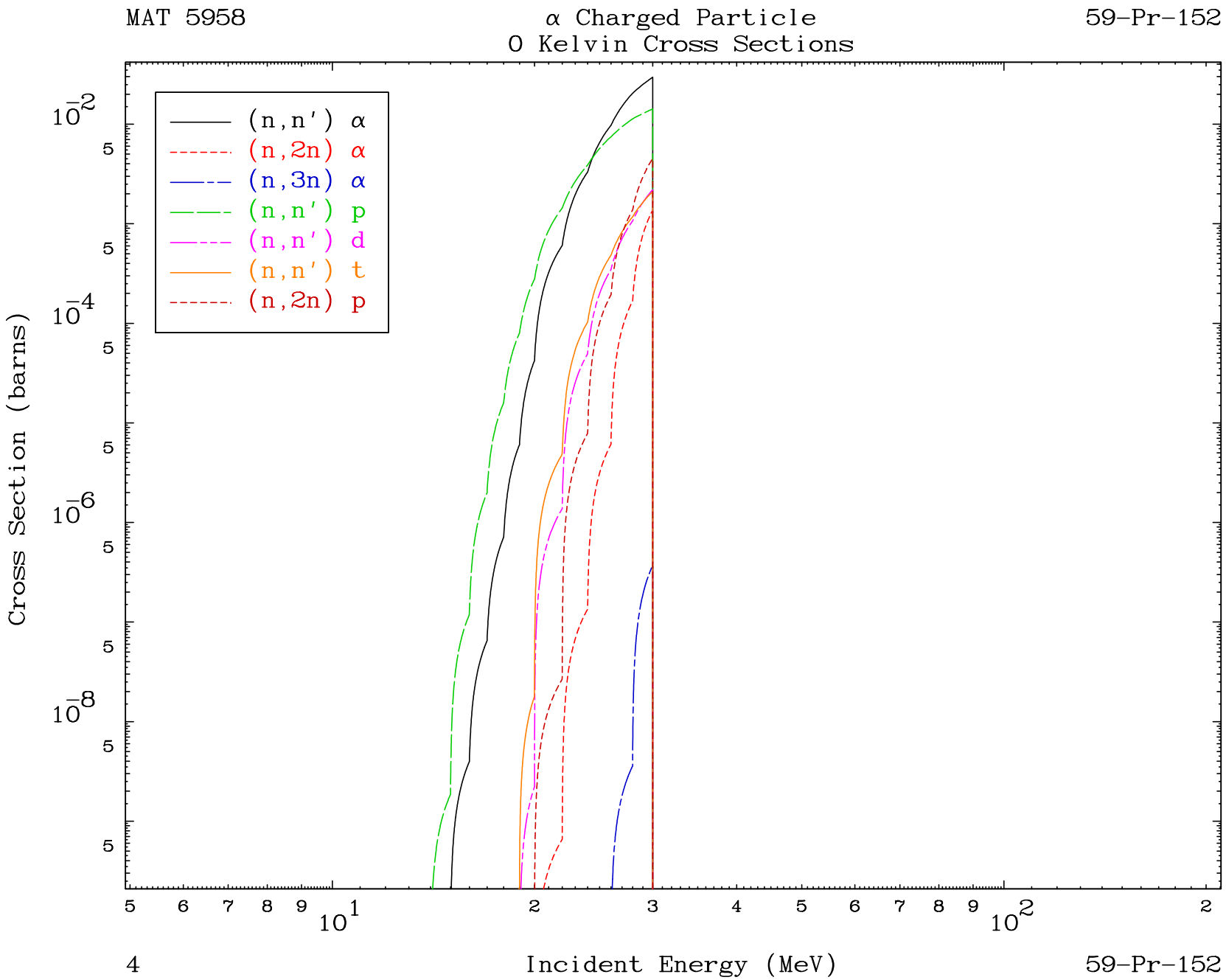
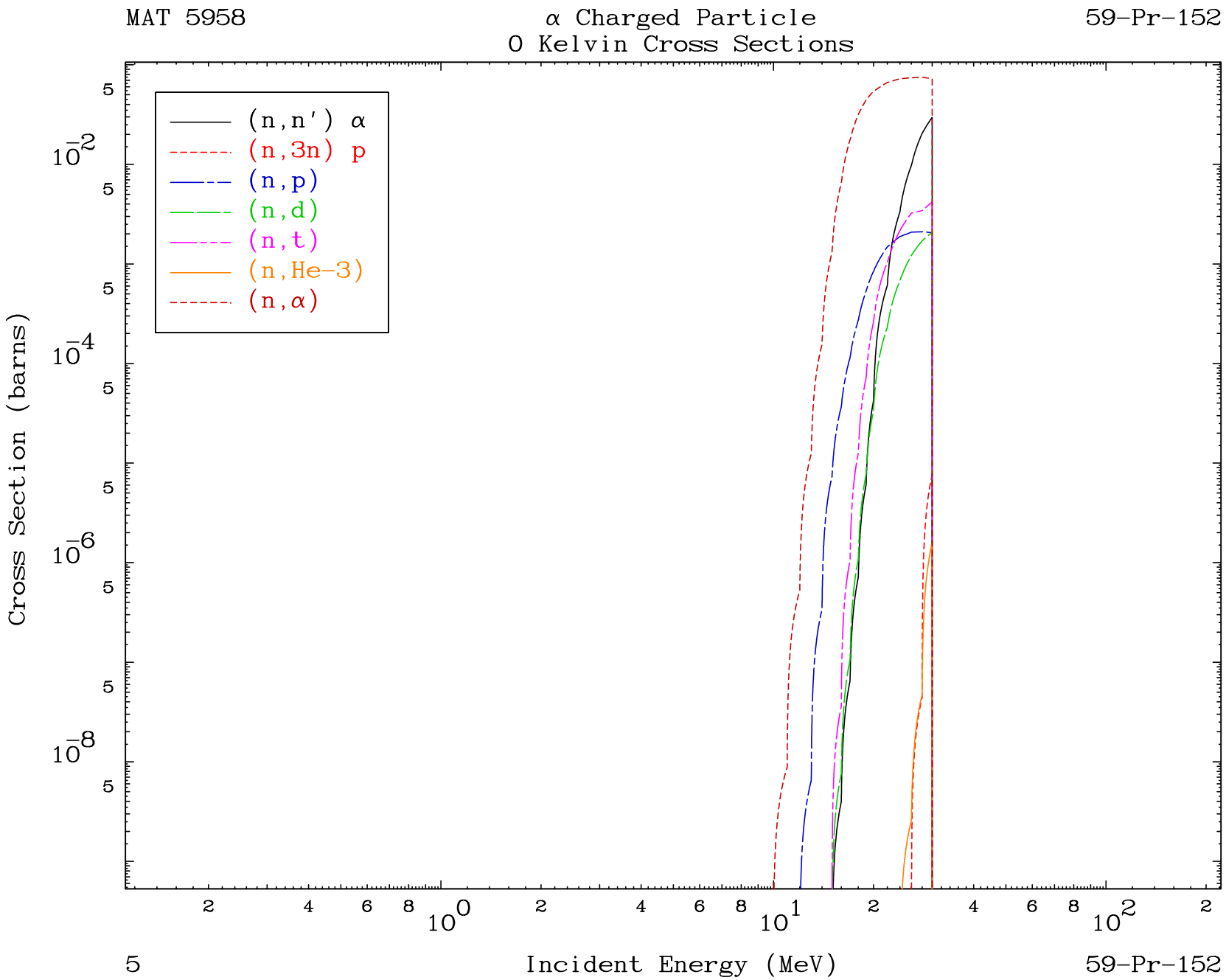
Press Mouse Button to Start

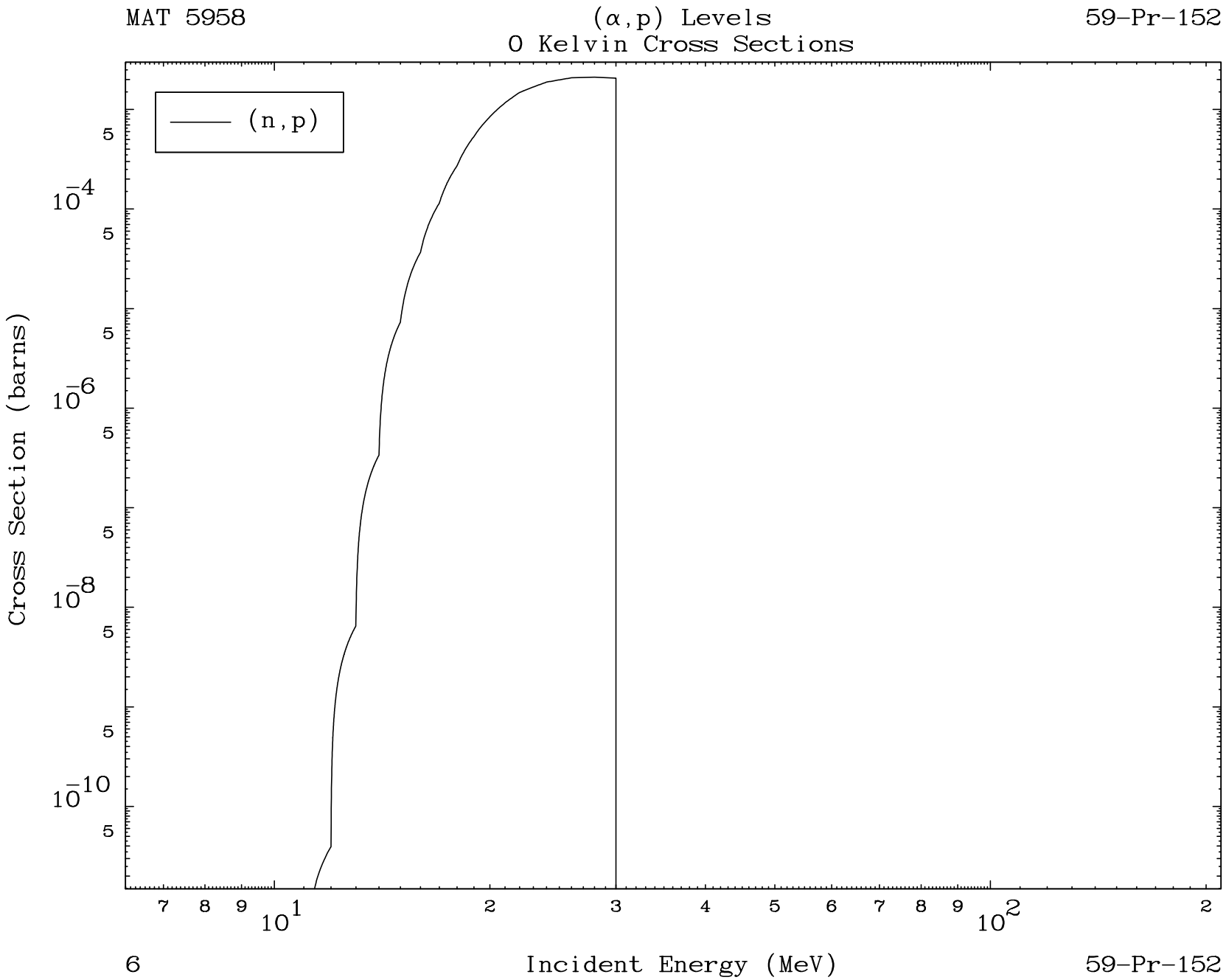

MAT 5958
α Major
59-Pr-152
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-152
1

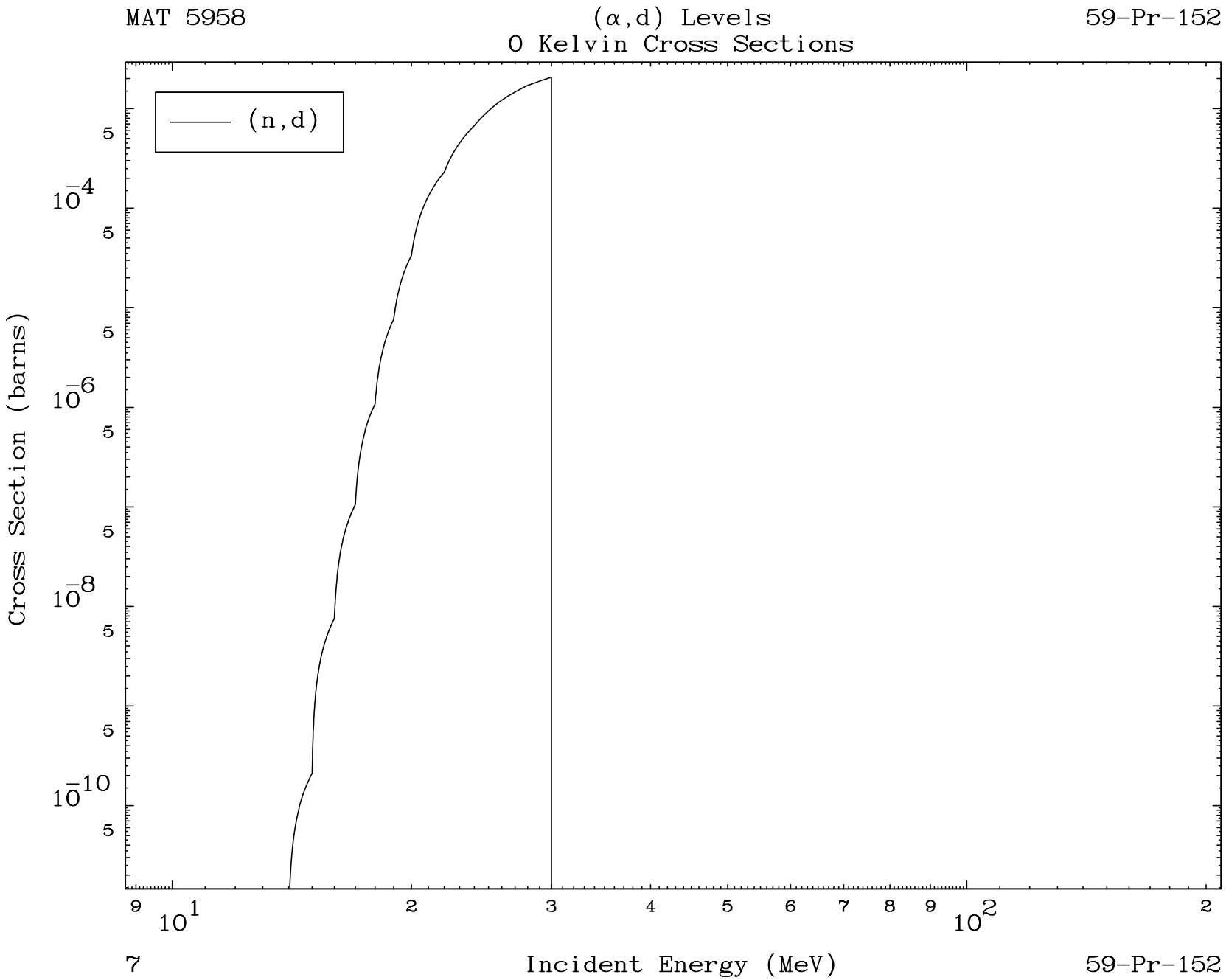

MAT 5958
α Neutron Absorption
0 Kelvin Cross Sections
59-Pr-152
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
59-Pr-152

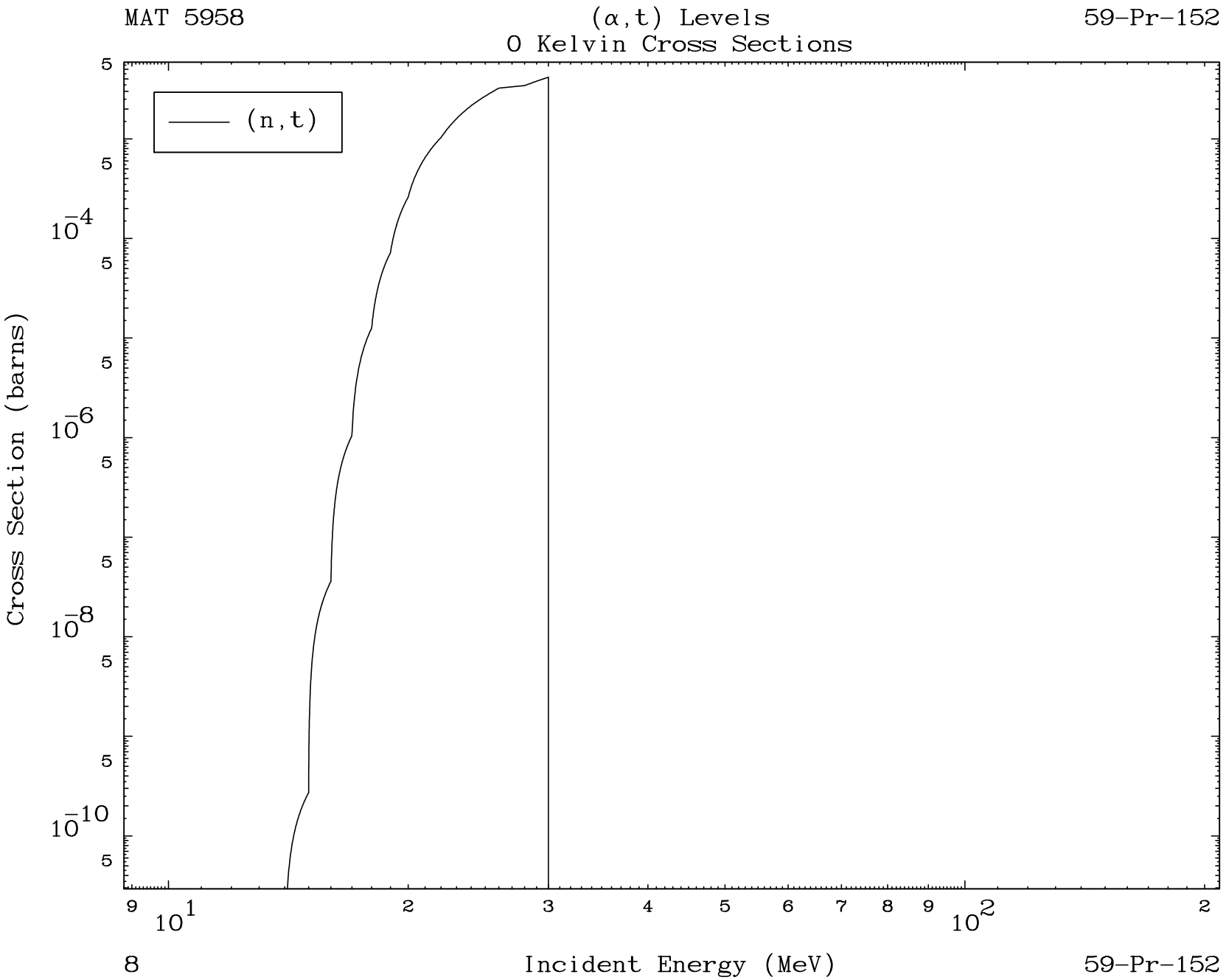

MAT 5958
α Neutron Absorption
0 Kelvin Cross Sections
59-Pr-152
(n,4n)
(n,2n) p
(n,3n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
59-Pr-152

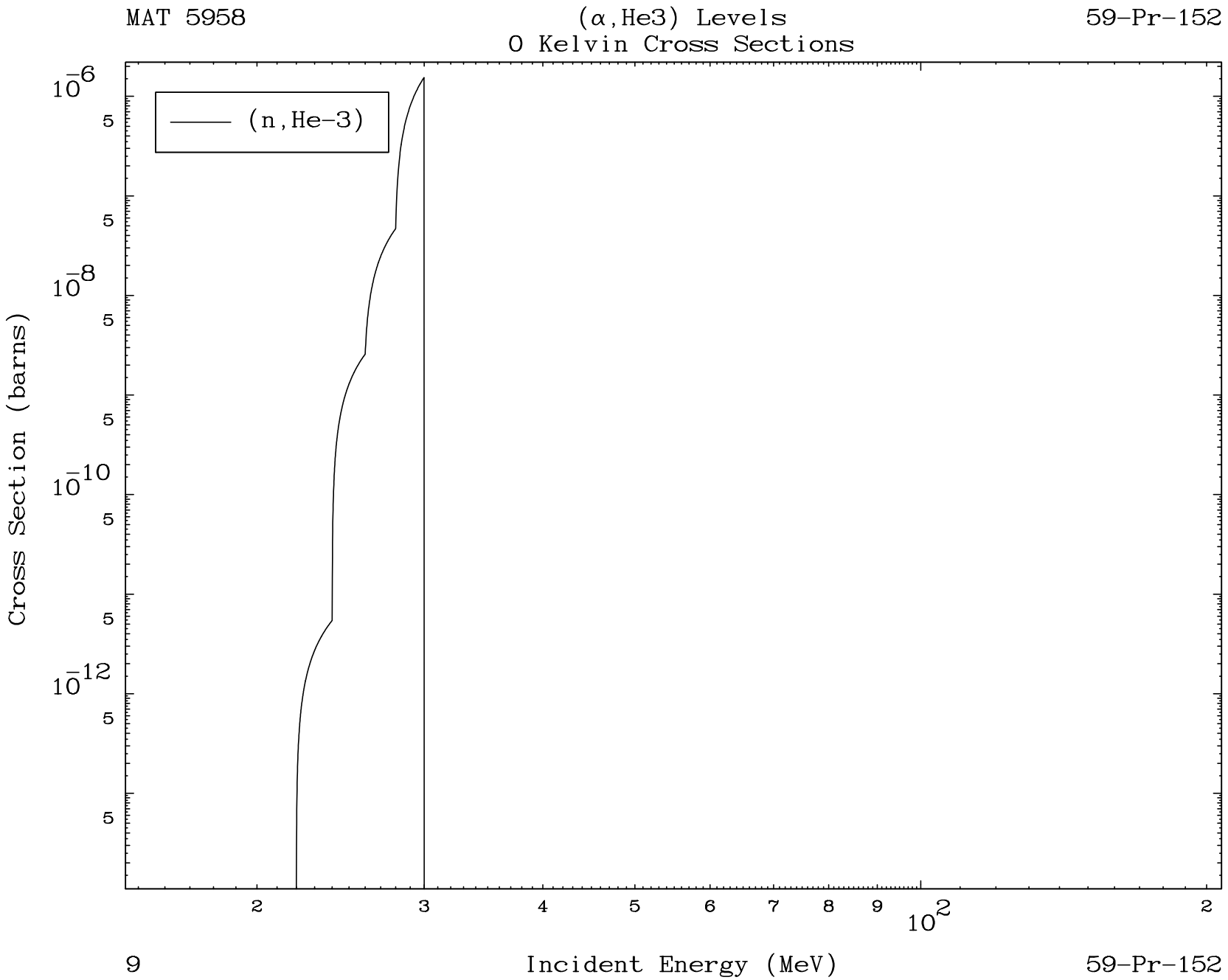

MAT 5958
α Charged Particle
0 Kelvin Cross Sections
59-Pr-152
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
4
59-Pr-152

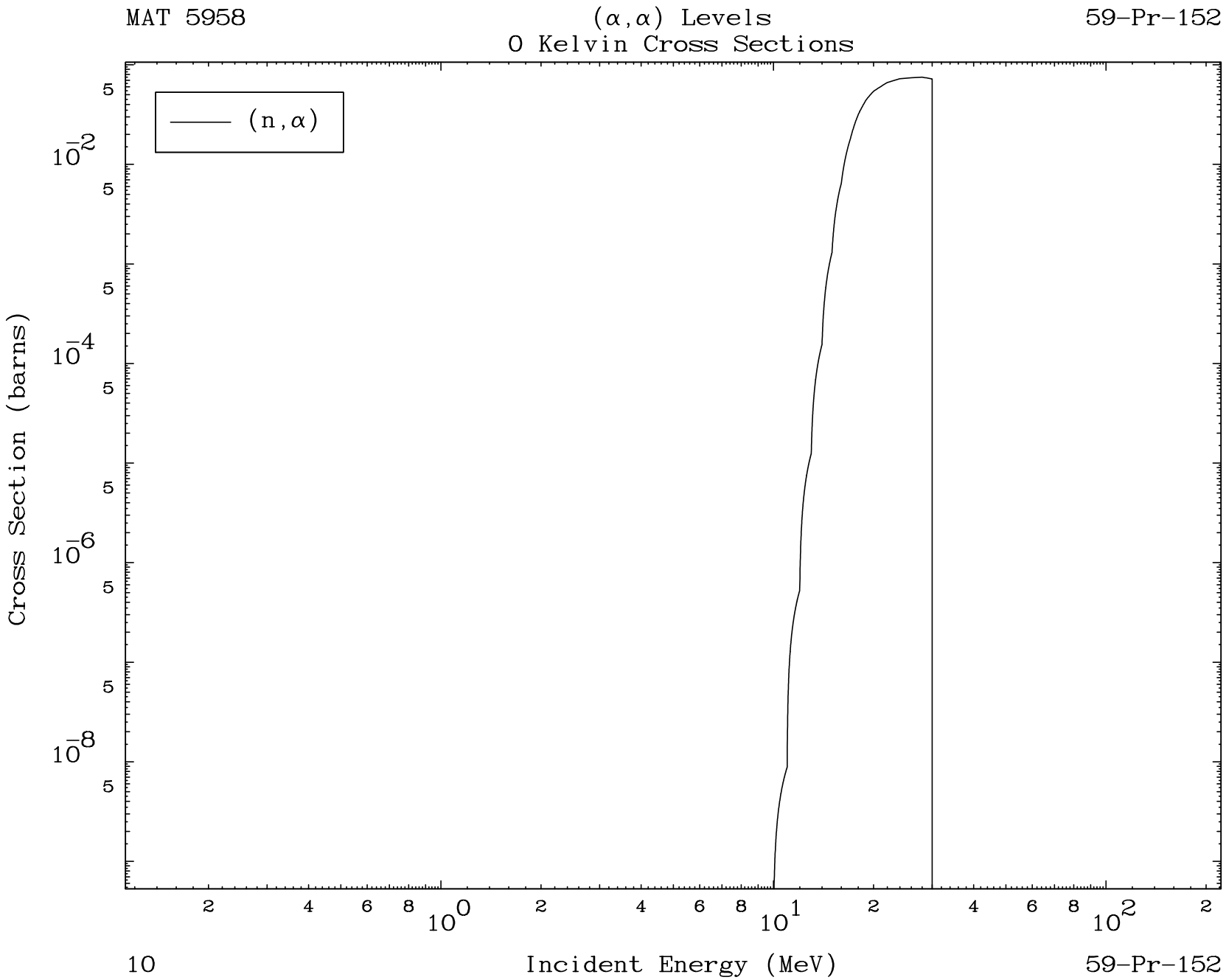

MAT 5958
α Charged Particle
0 Kelvin Cross Sections
59-Pr-152
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-152
5

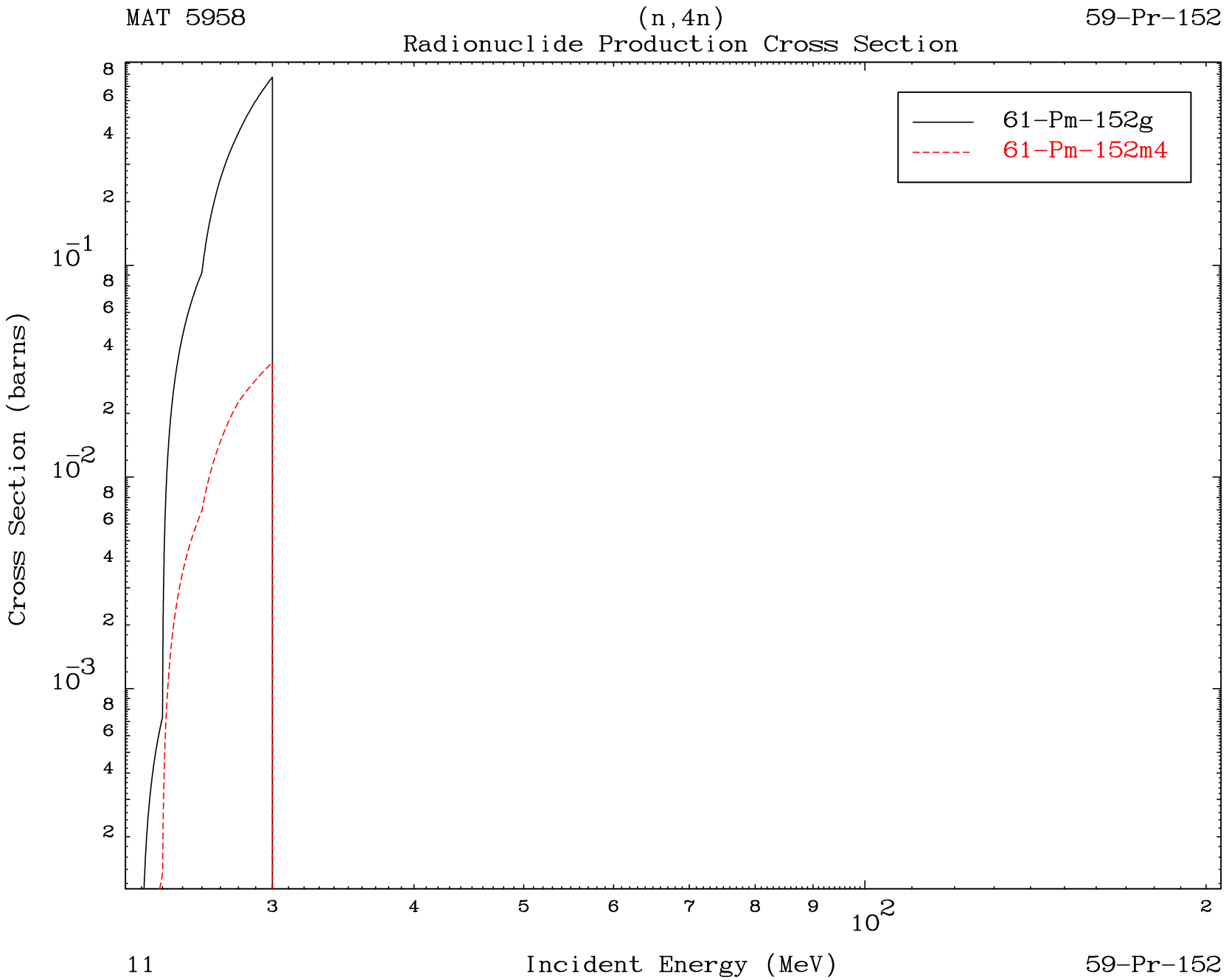

MAT 5958
(α,p) Levels
59-Pr-152
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
6
59-Pr-152

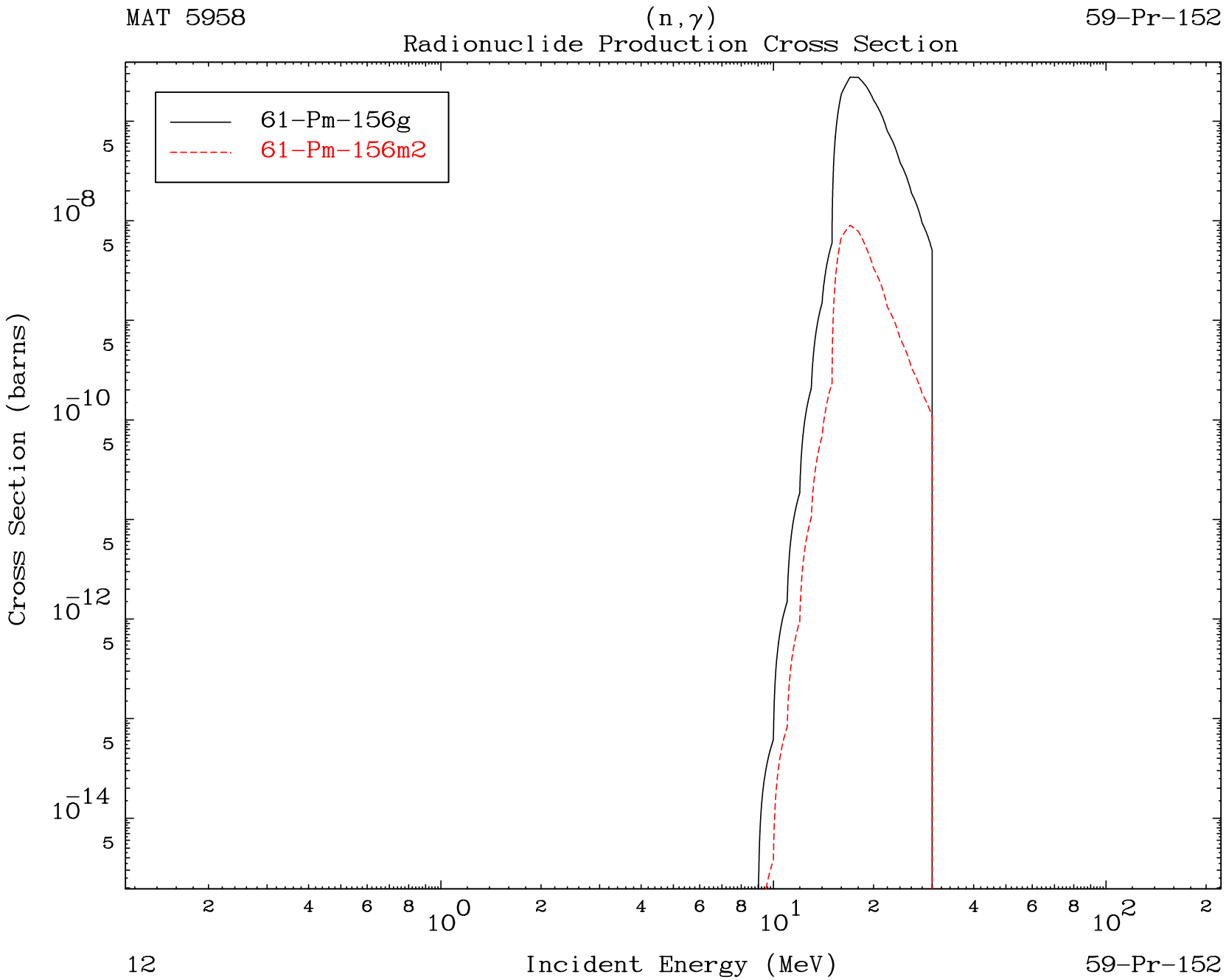

MAT 5958
(α,d) Levels
59-Pr-152
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
59-Pr-152
7


MAT 5958
(α,t) Levels
59-Pr-152
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
8
59-Pr-152


MAT 5958
(α,He3) Levels
0 Kelvin Cross Sections
59-Pr-152
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
59-Pr-152


MAT 5958
(α,α) Levels
59-Pr-152
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
59-Pr-152


MAT 5958
(n,4n)
59-Pr-152
Radionuclide Production Cross Section
61-Pm-152g
61-Pm-152m4
Cross Section (barns)
Incident Energy (MeV)
11
59-Pr-152


MAT 5958
(n,γ)
59-Pr-152
Radionuclide Production Cross Section
61-Pm-156g
61-Pm-156m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
10^0
10^1
10^2
Incident Energy (MeV)
12
59-Pr-152