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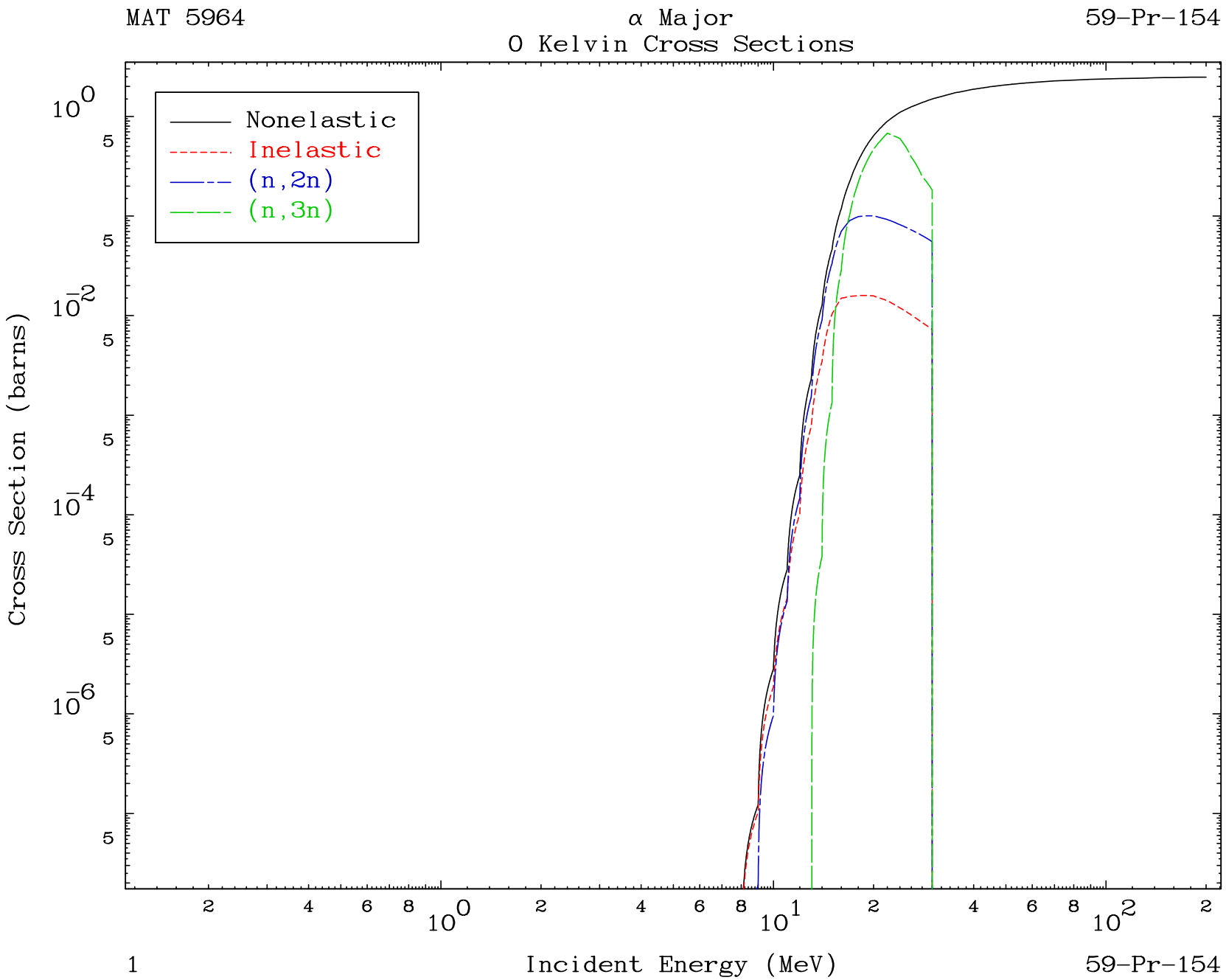
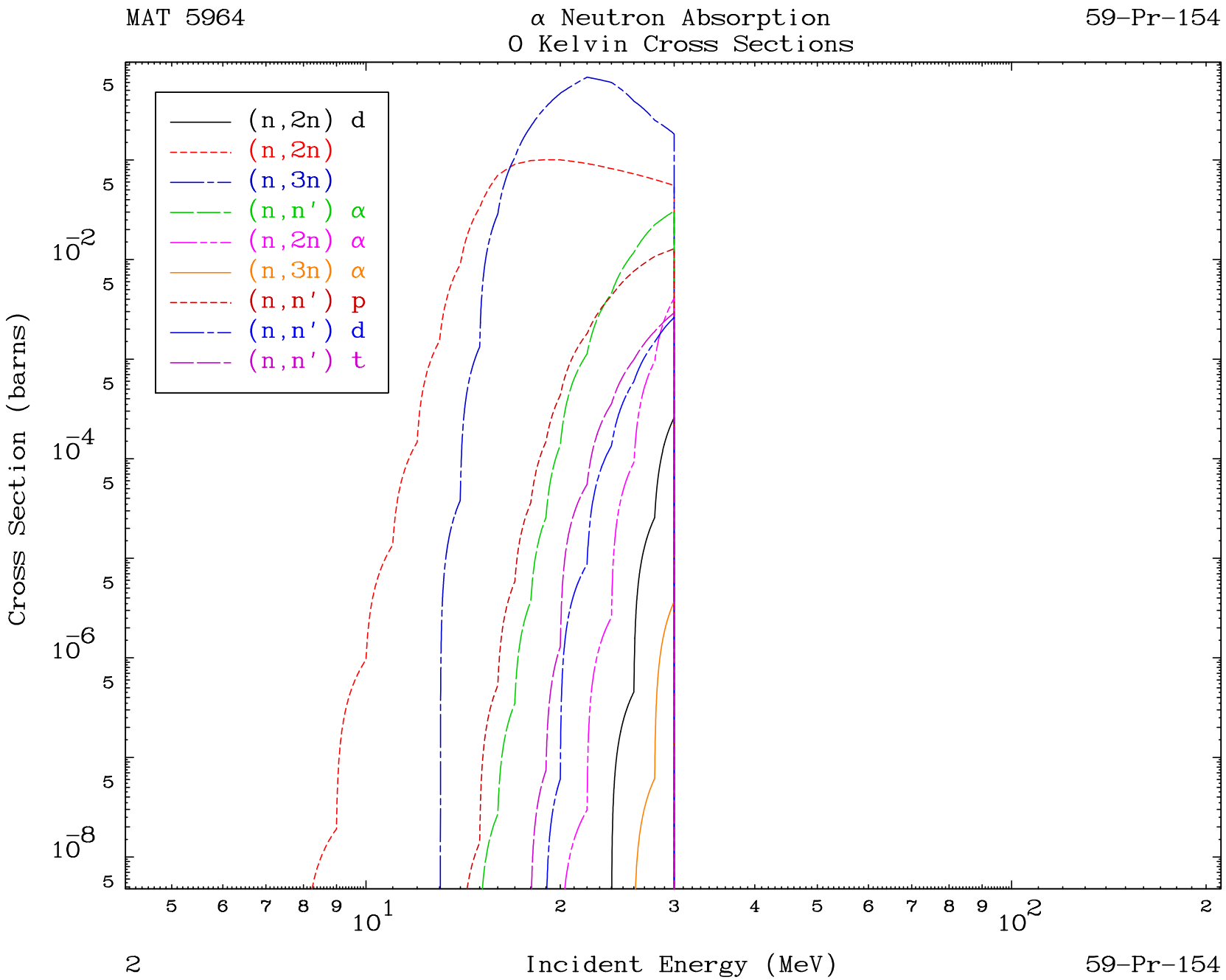
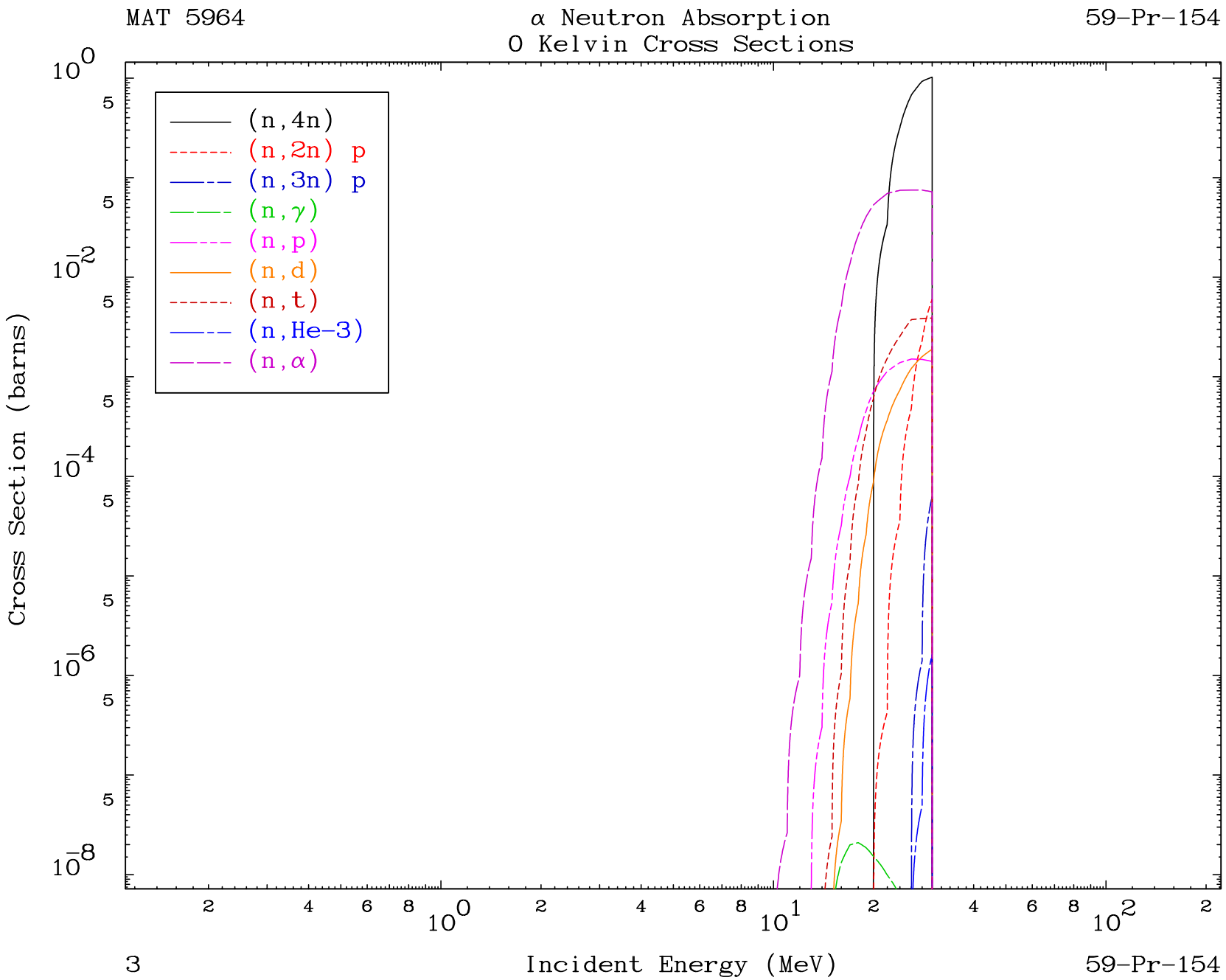
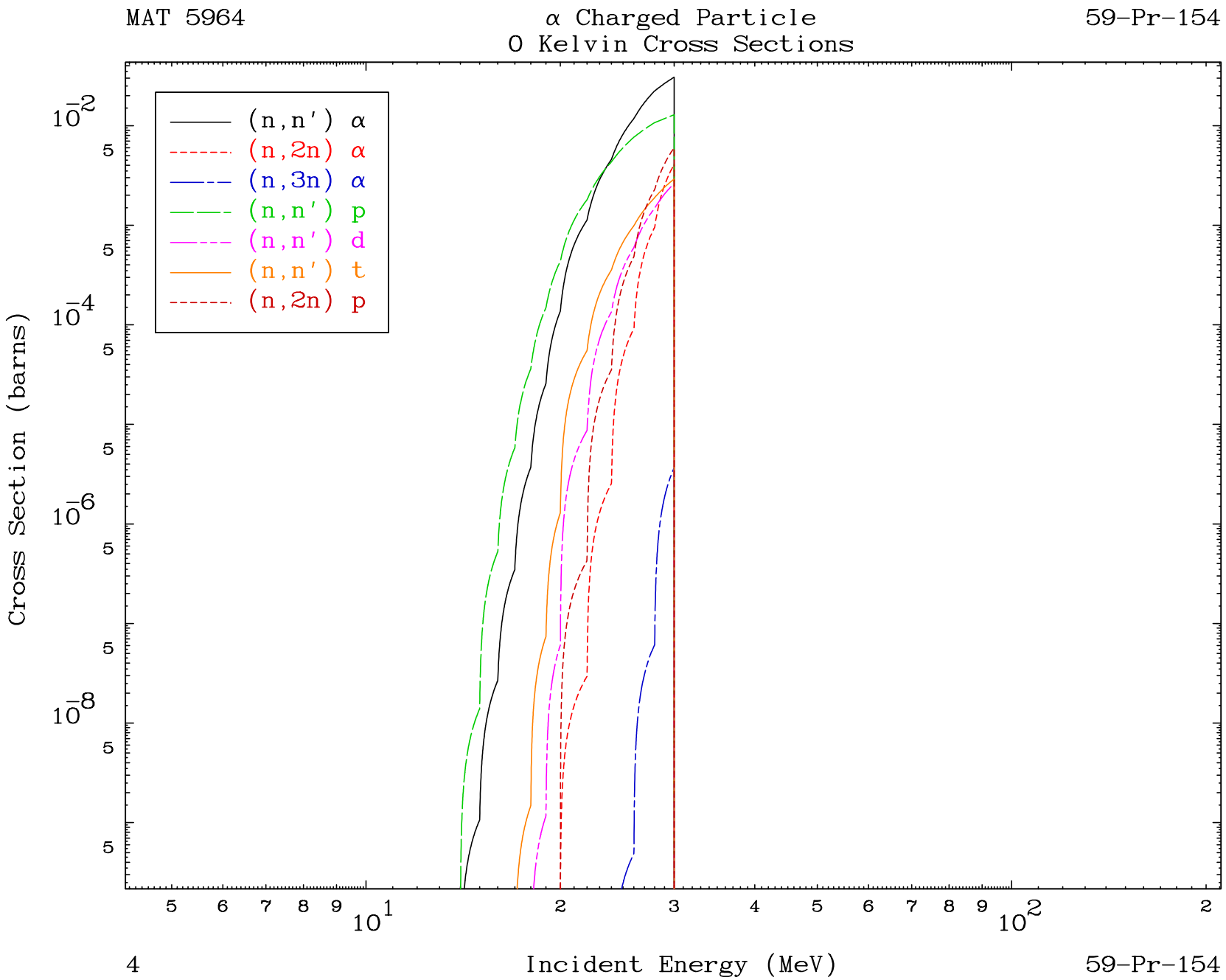
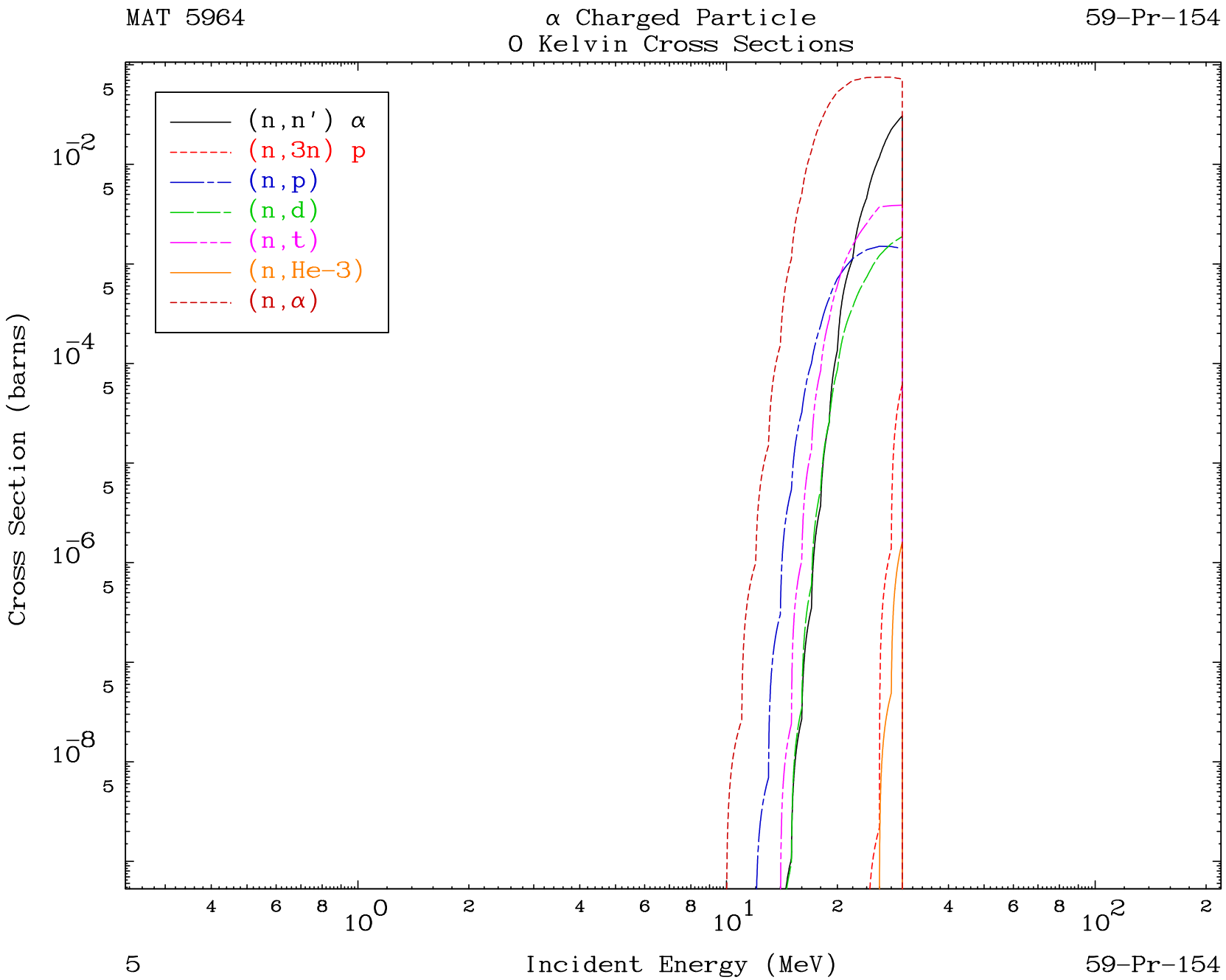
Press Mouse Button to Start

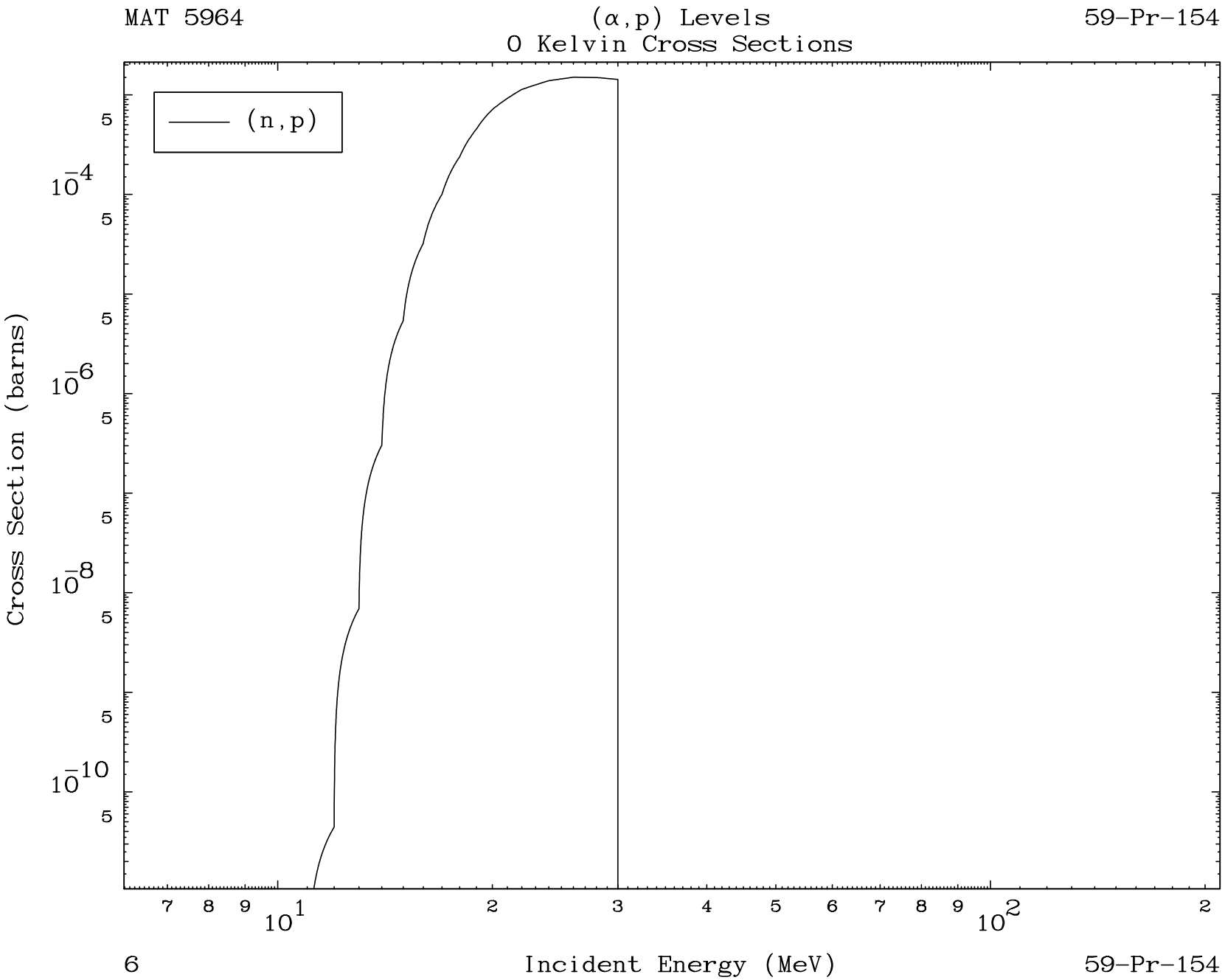

MAT 5964
α Major
59-Pr-154
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-154
1

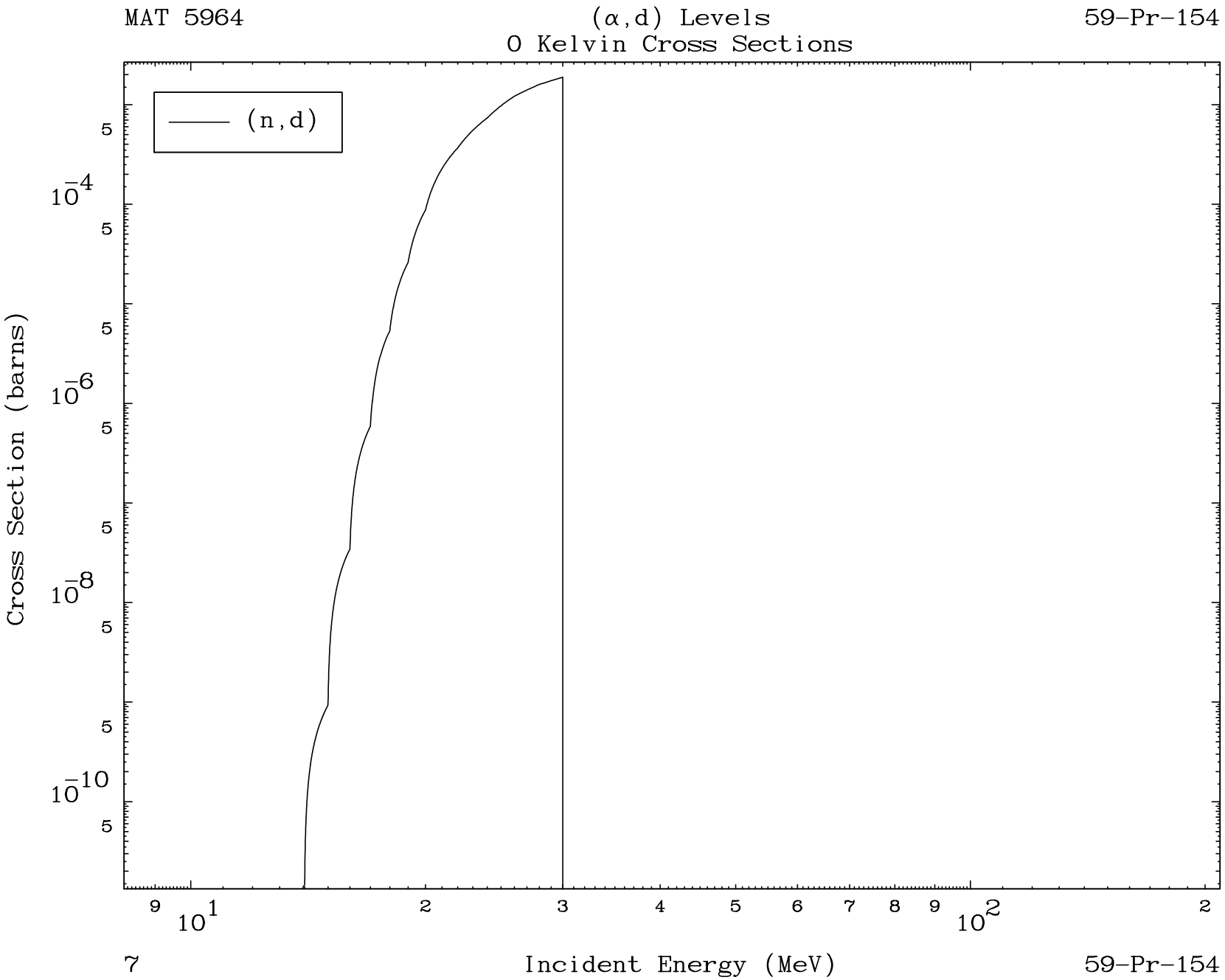

MAT 5964
α Neutron Absorption
0 Kelvin Cross Sections
59-Pr-154
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
59-Pr-154
2

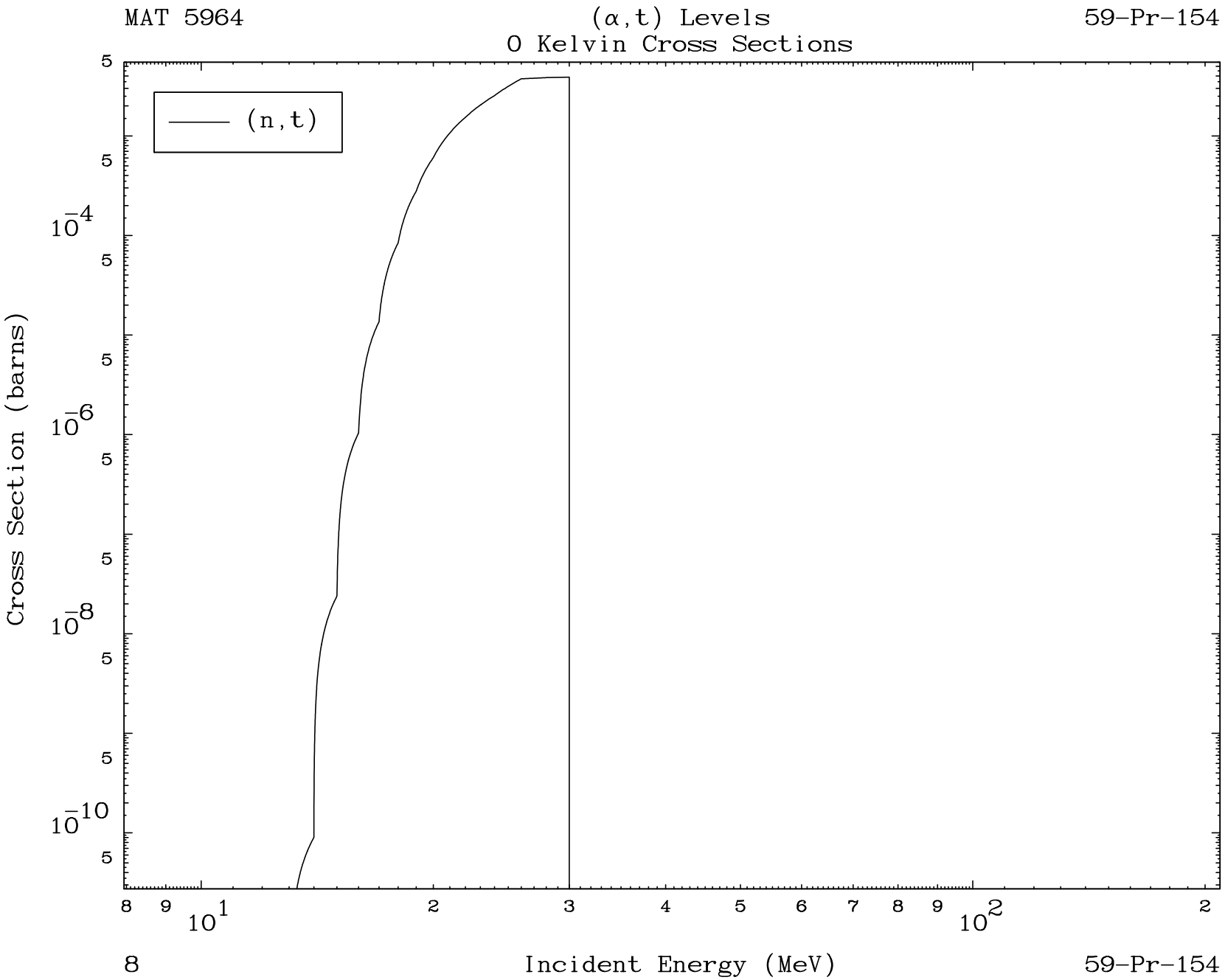

MAT 5964
α Neutron Absorption
0 Kelvin Cross Sections
59-Pr-154
(n,4n)
(n,2n) p
(n,3n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
59-Pr-154

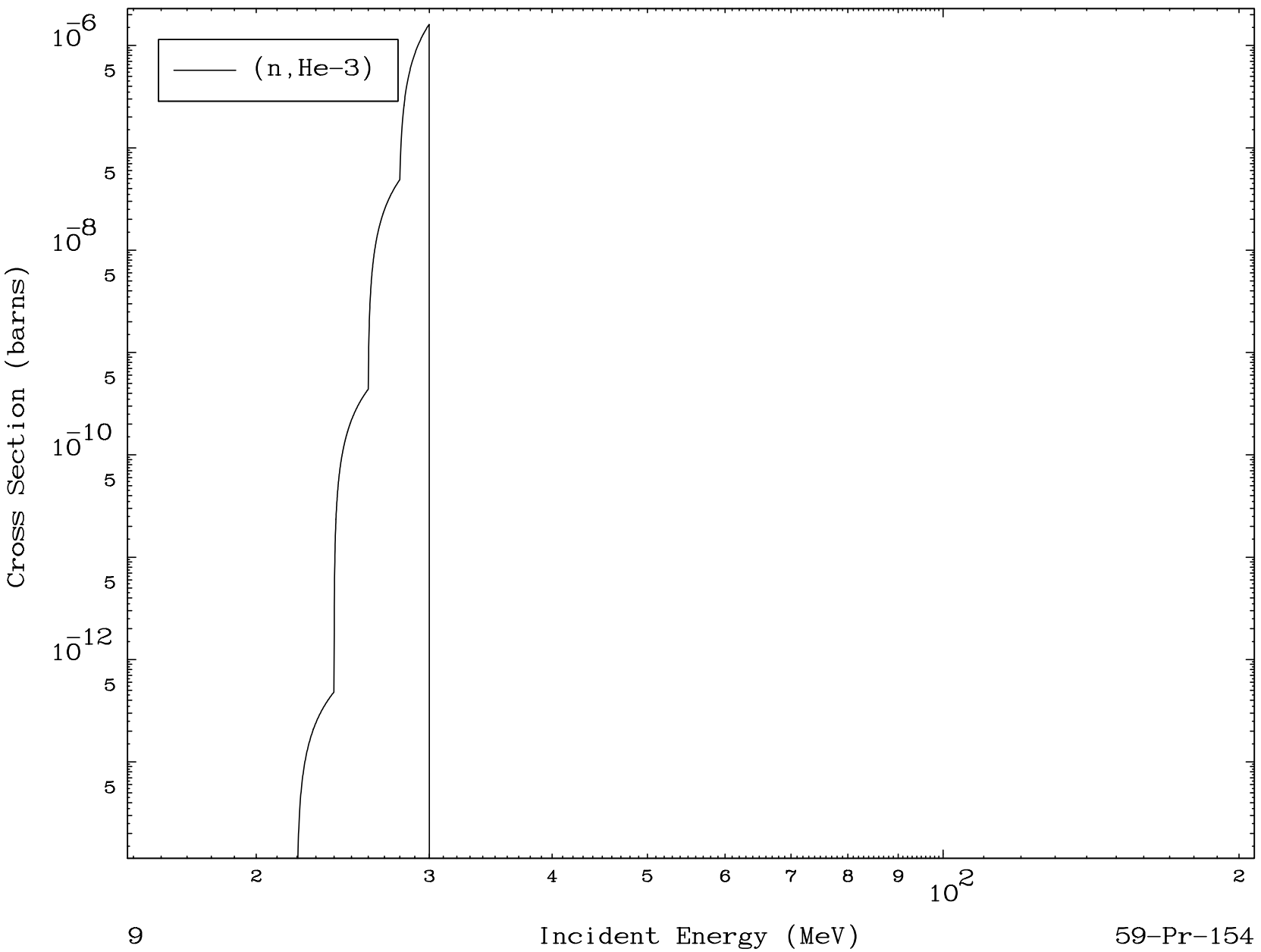

MAT 5964
α Charged Particle
0 Kelvin Cross Sections
59-Pr-154
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
4
59-Pr-154

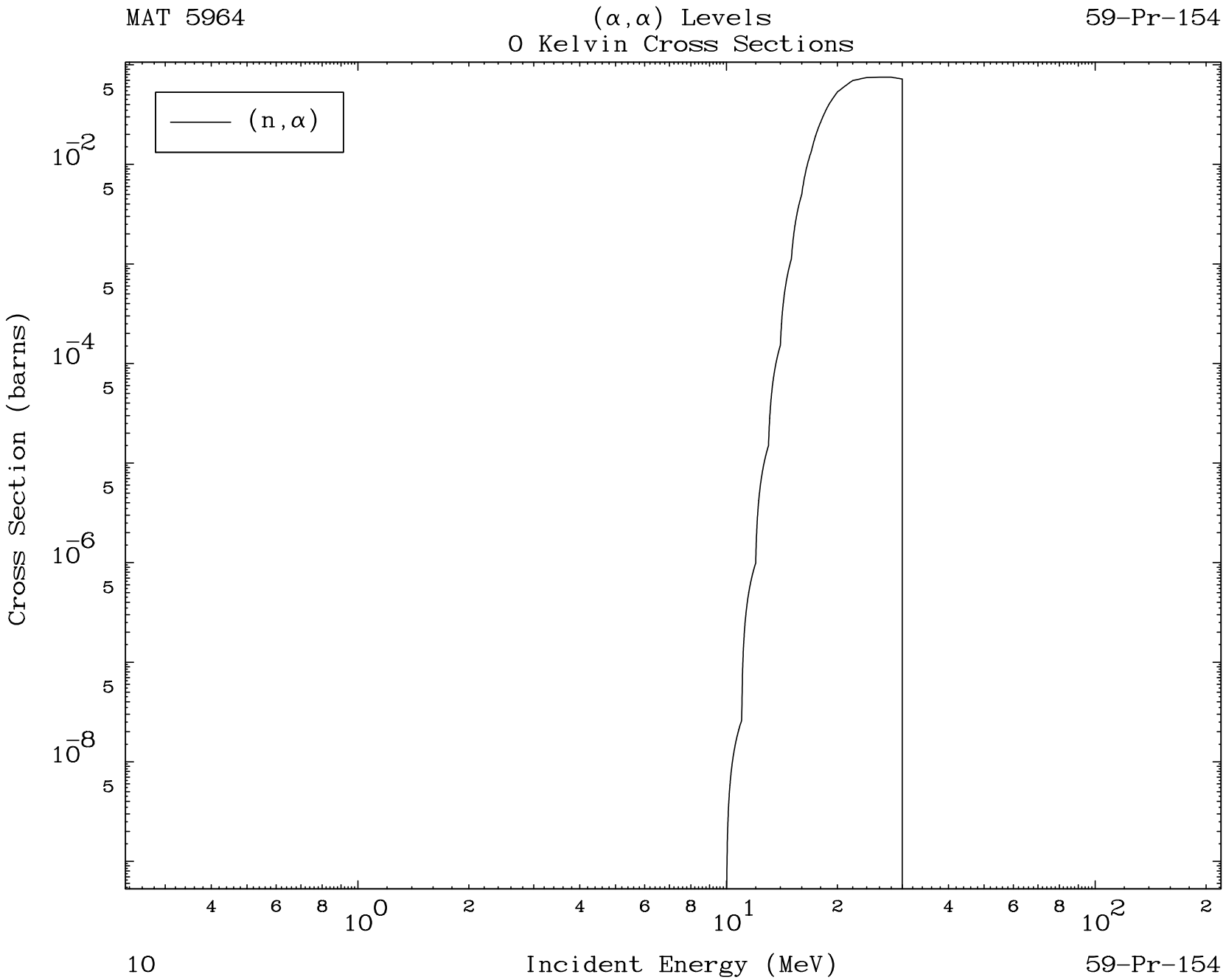

MAT 5964
α Charged Particle
0 Kelvin Cross Sections
59-Pr-154
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
5
59-Pr-154

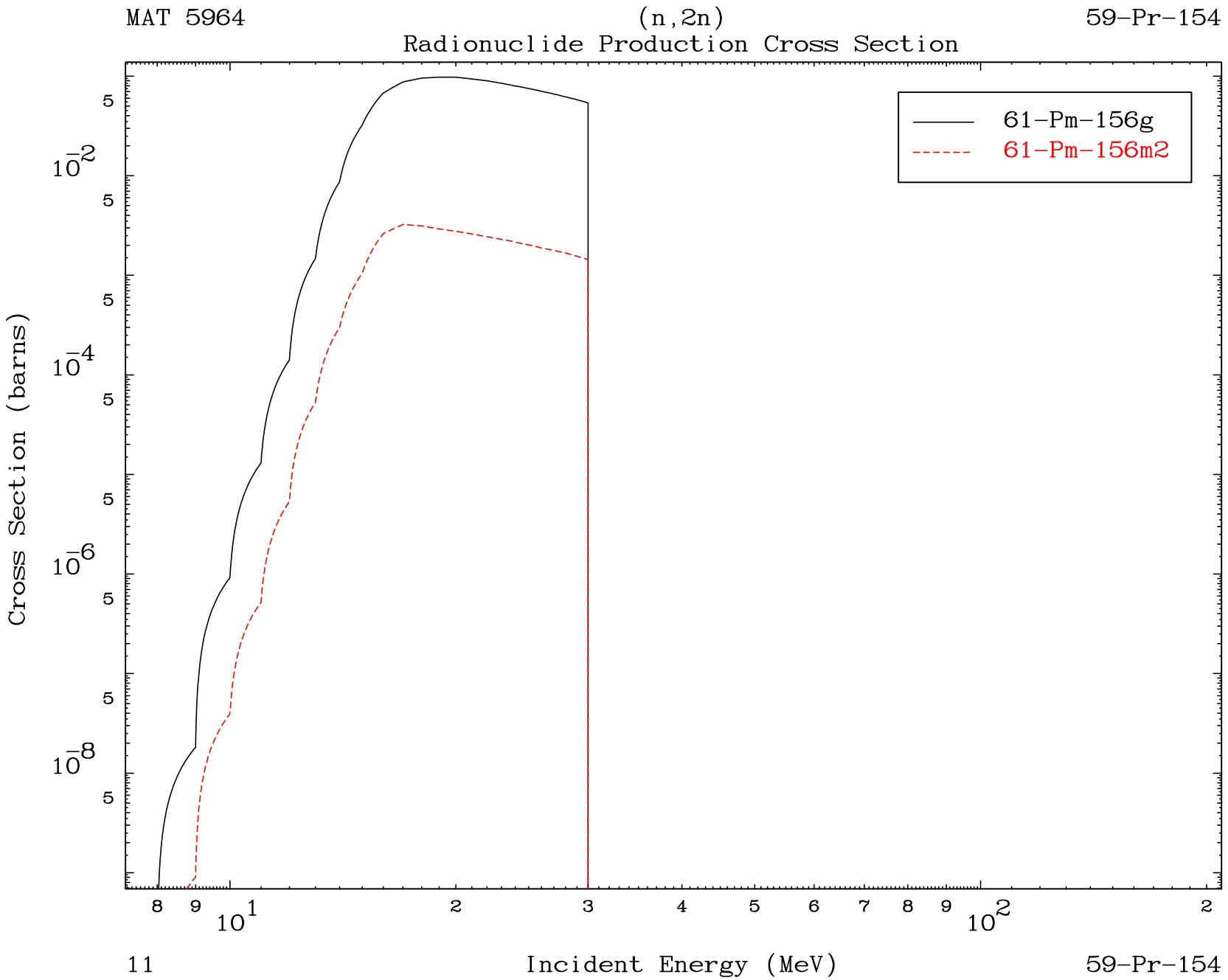

MAT 5964
(α,p) Levels
59-Pr-154
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
59-Pr-154


MAT 5964
(α,d) Levels
59-Pr-154
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
7
59-Pr-154


MAT 5964
(α,t) Levels
59-Pr-154
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-154
8


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


MAT 5964
(α,α) Levels
59-Pr-154
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)
10
59-Pr-154


MAT 5964
(n,2n)
59-Pr-154
Radionuclide Production Cross Section
61-Pm-156g
61-Pm-156m2
Cross Section (barns)
Incident Energy (MeV)
11
59-Pr-154