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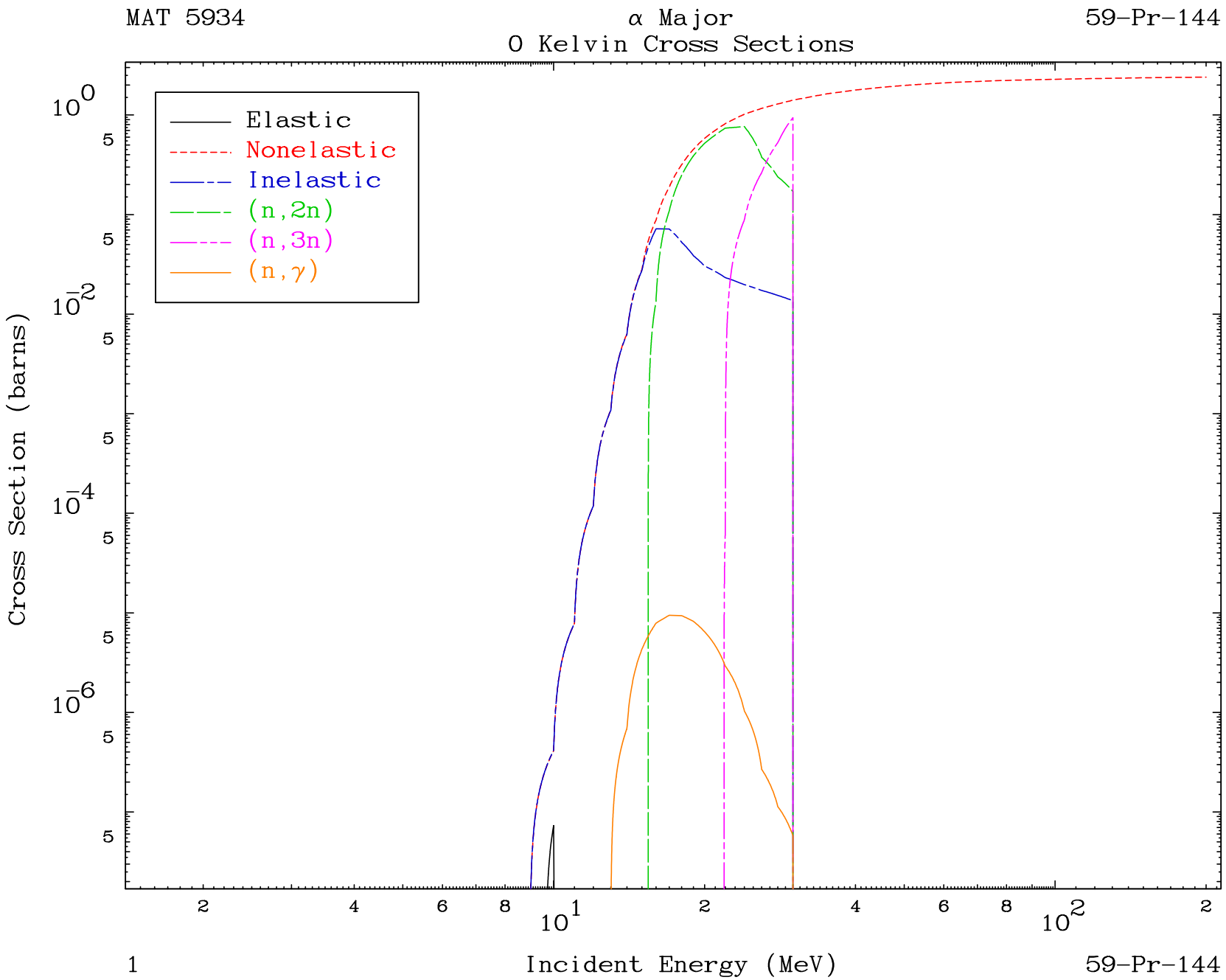
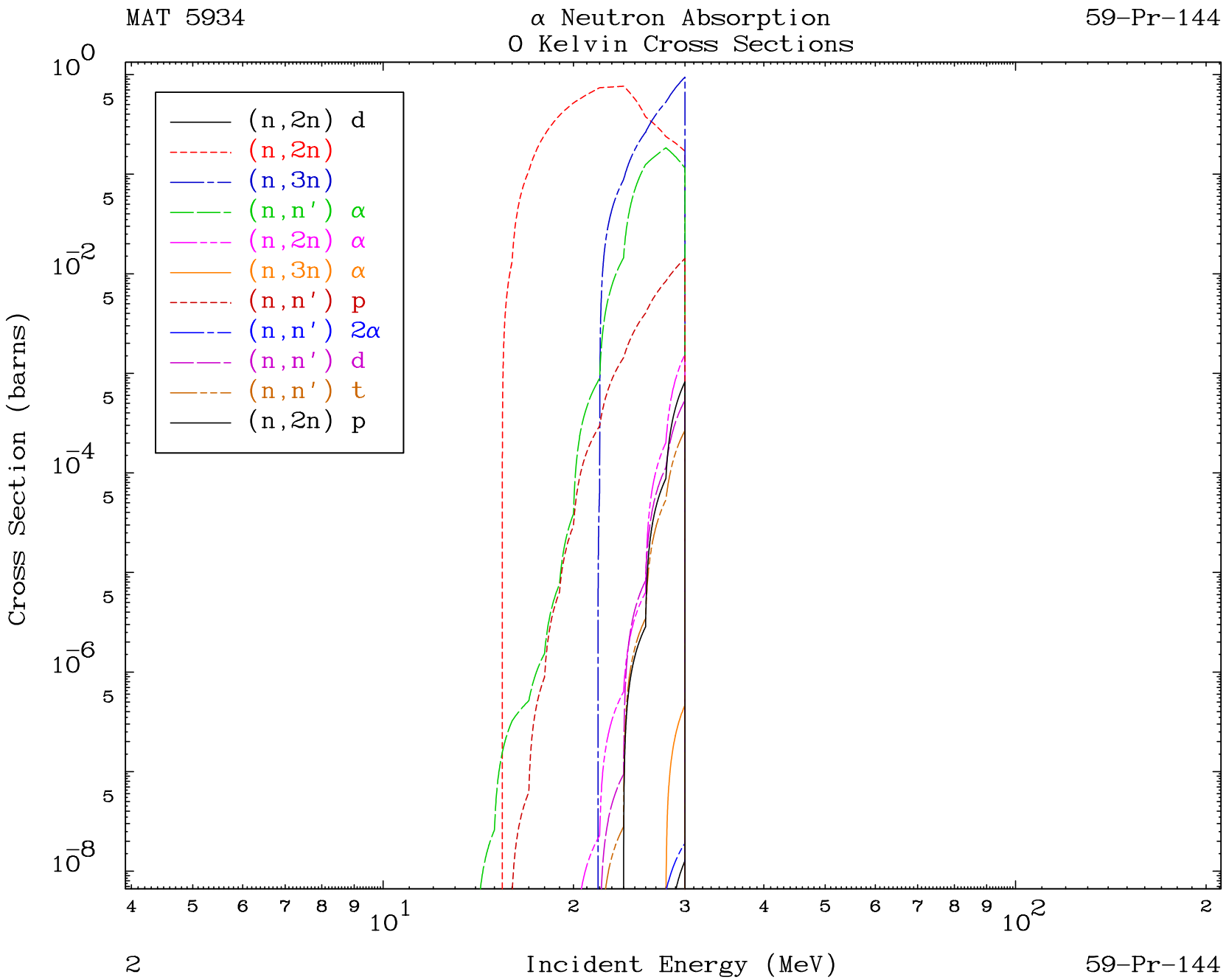
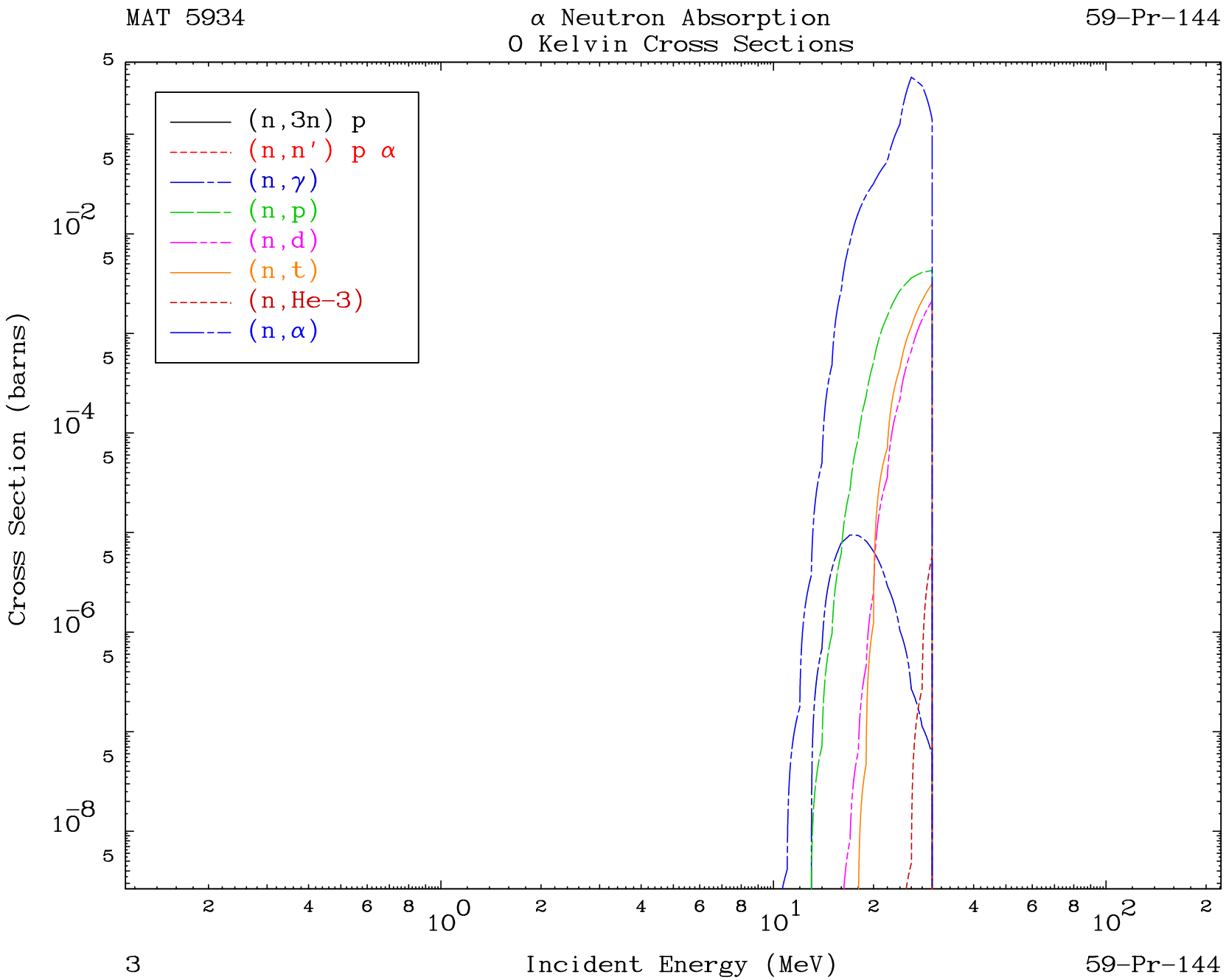
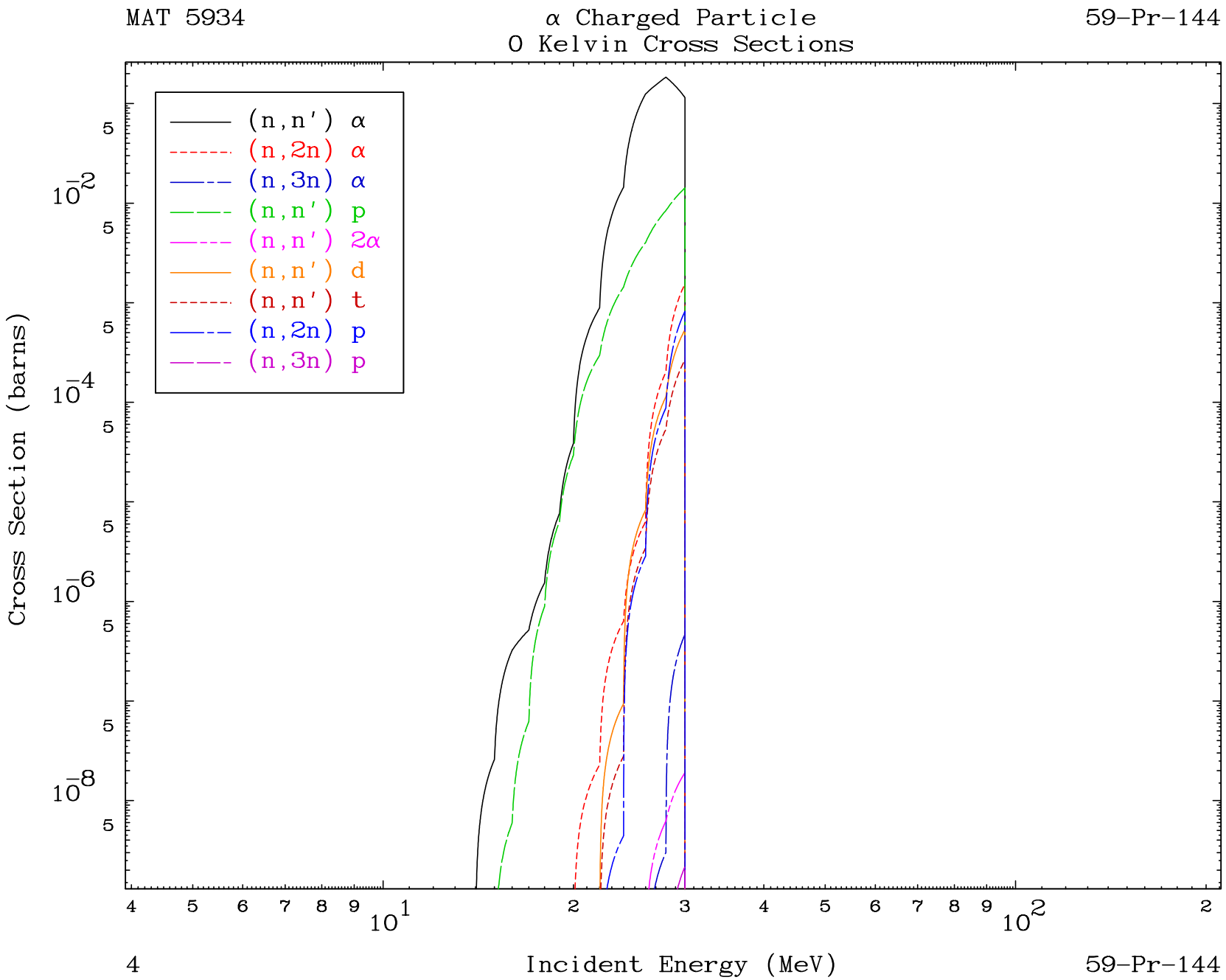
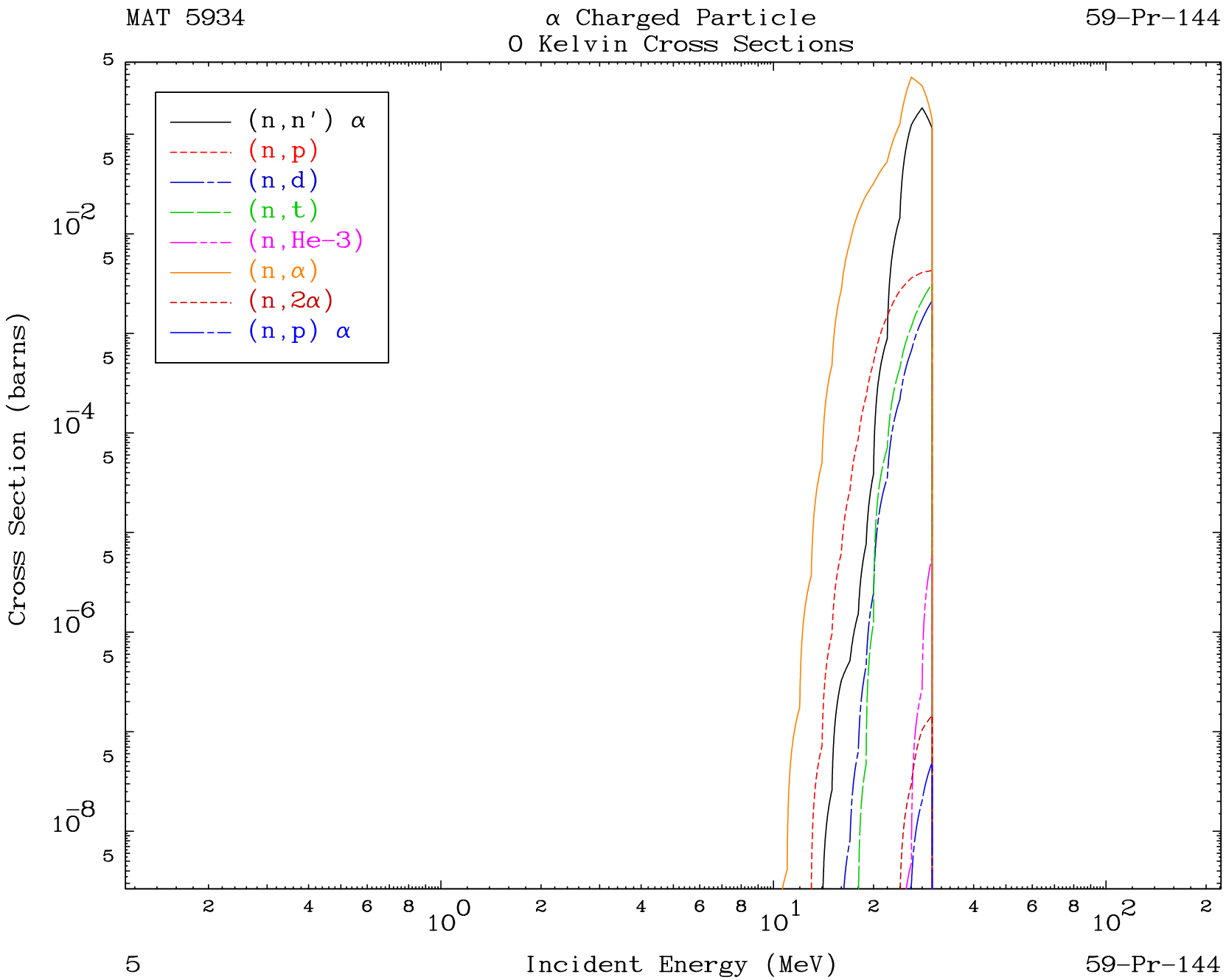
Press Mouse Button to Start

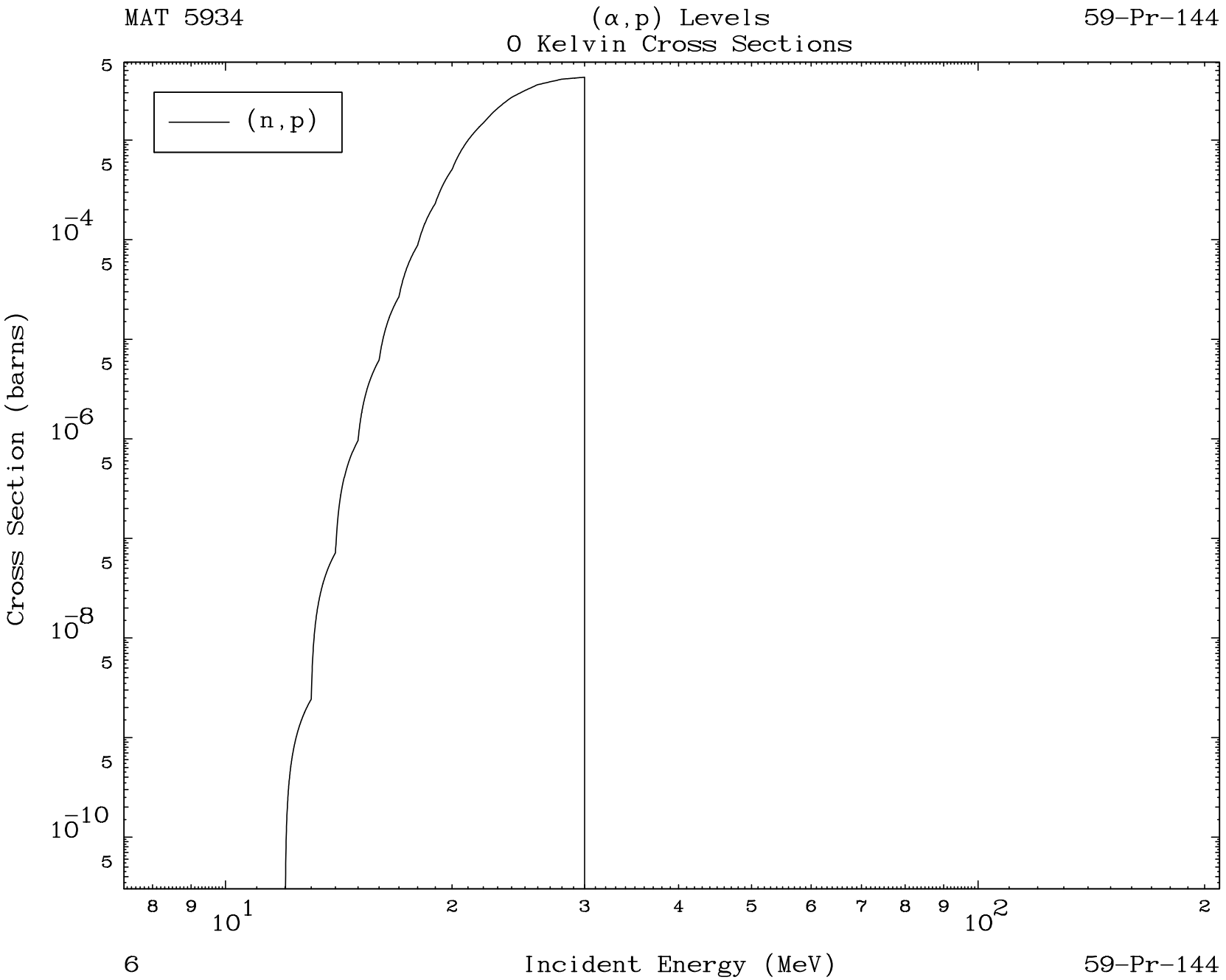

MAT 5934
α Major
59-Pr-144
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-144

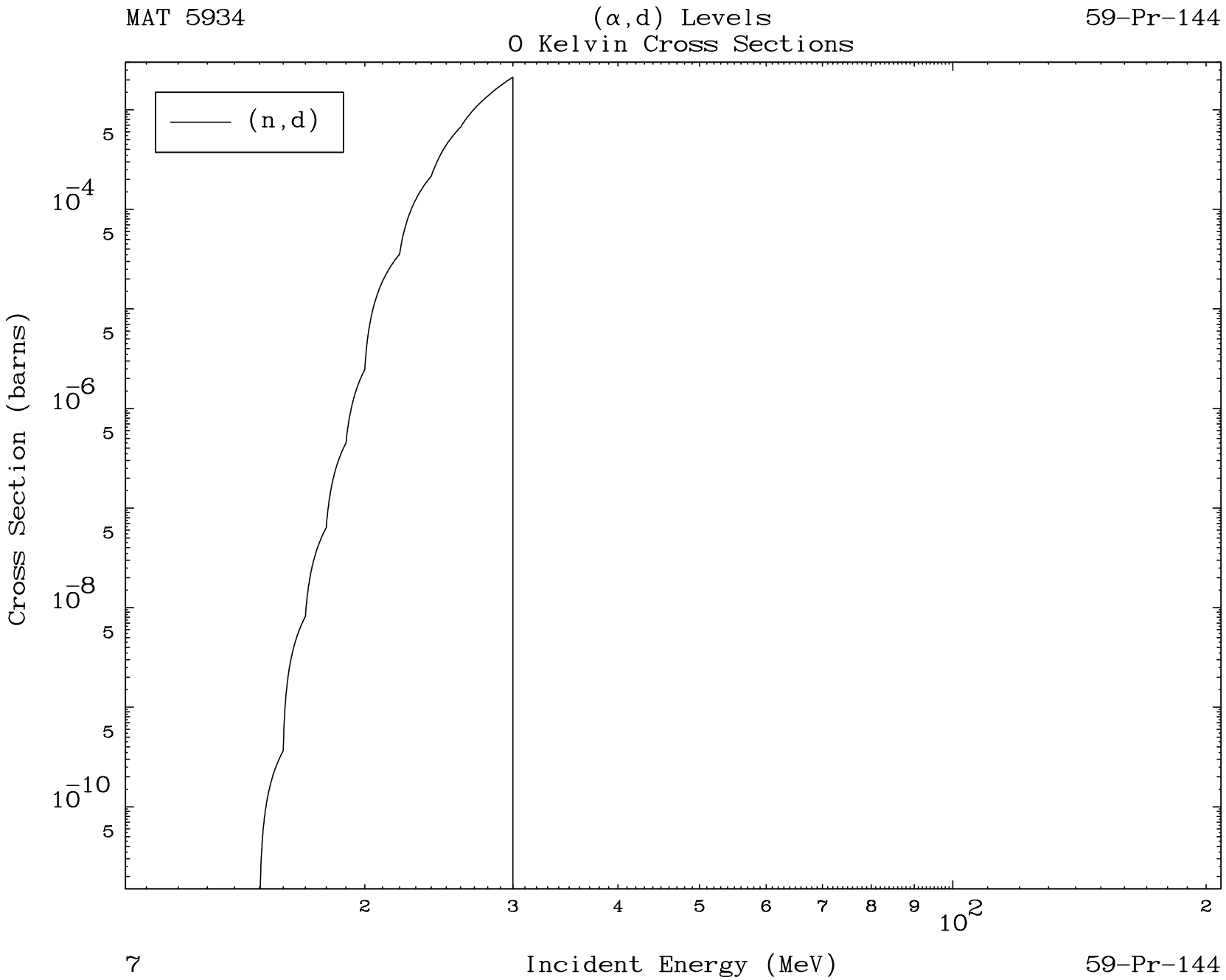

MAT 5934
α Neutron Absorption
0 Kelvin Cross Sections
59-Pr-144
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
59-Pr-144


MAT 5934
α Neutron Absorption
0 Kelvin Cross Sections
59-Pr-144
(n,3n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
59-Pr-144

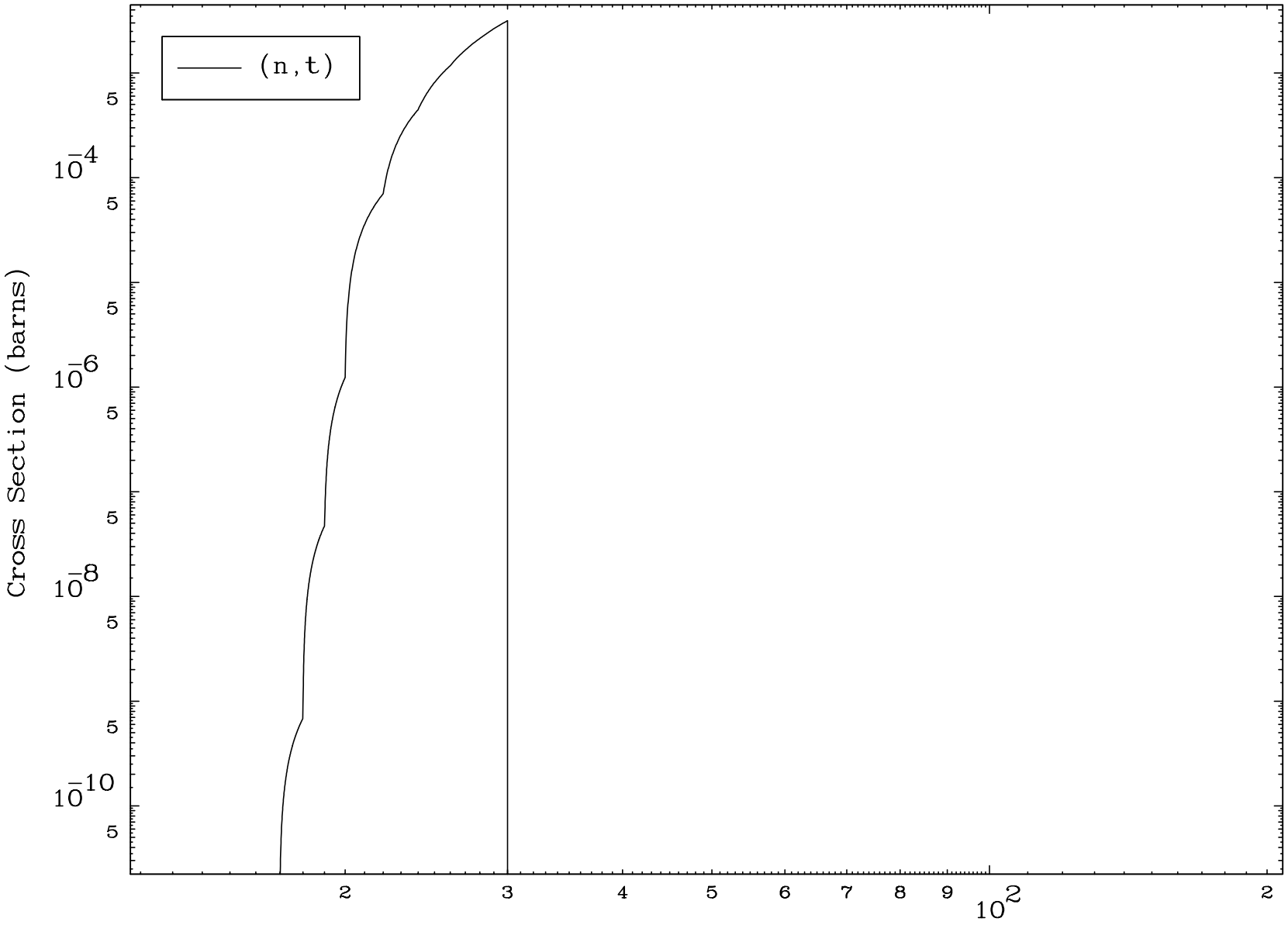

MAT 5934
α Charged Particle
0 Kelvin Cross Sections
59-Pr-144
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
59-Pr-144

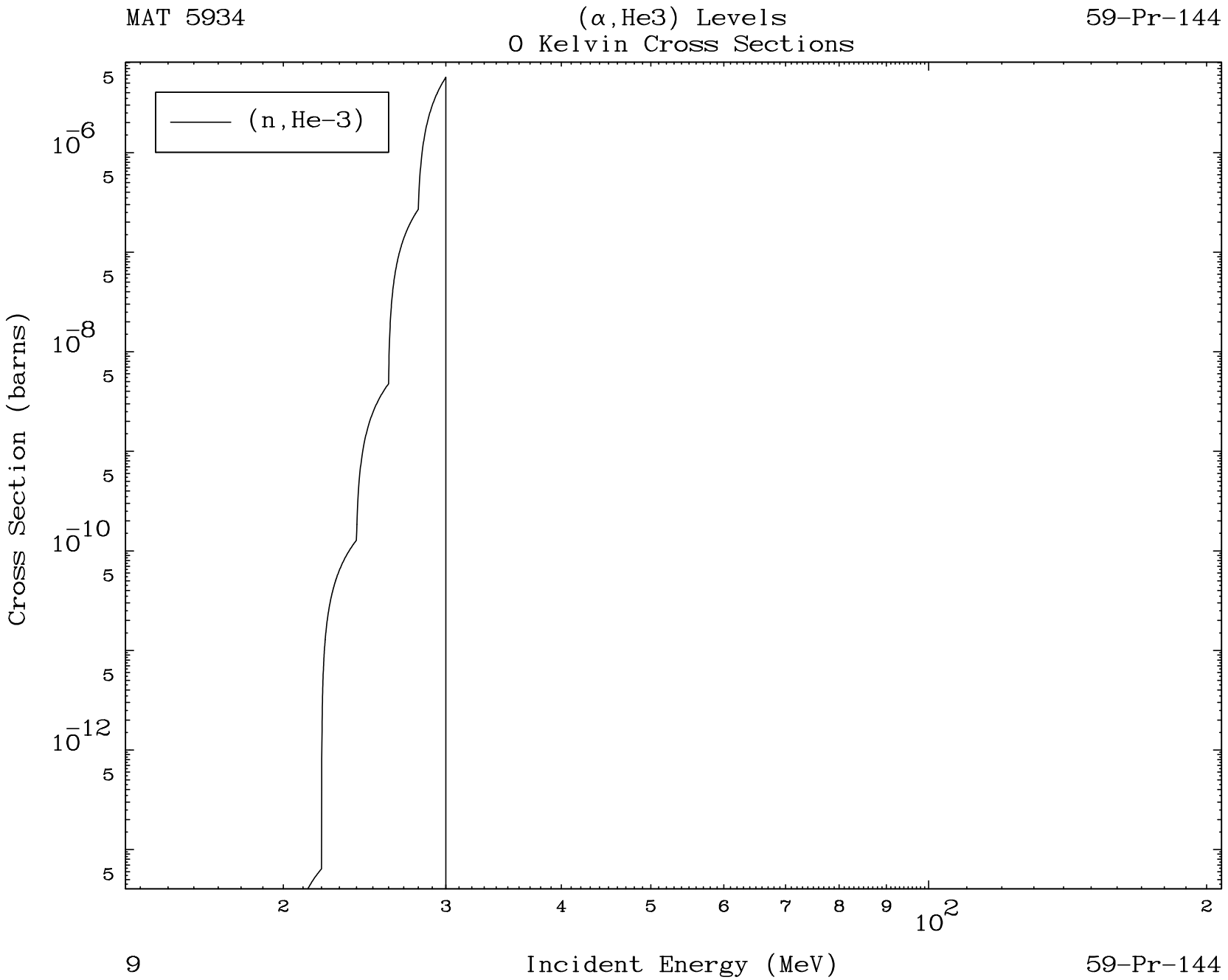

MAT 5934
α Charged Particle
0 Kelvin Cross Sections
59-Pr-144
(n,n') α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
59-Pr-144

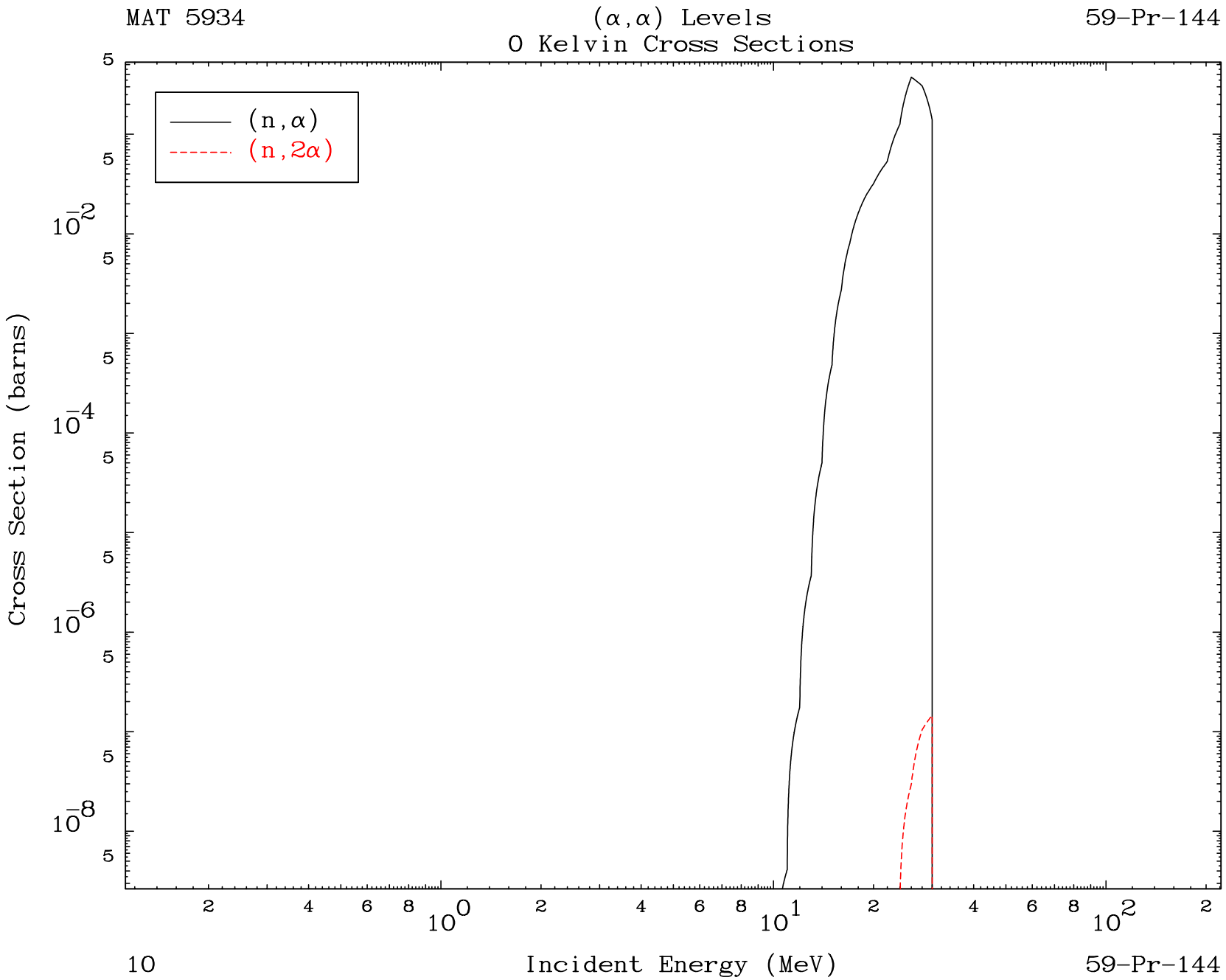

MAT 5934
(α,p) Levels
59-Pr-144
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
6
59-Pr-144

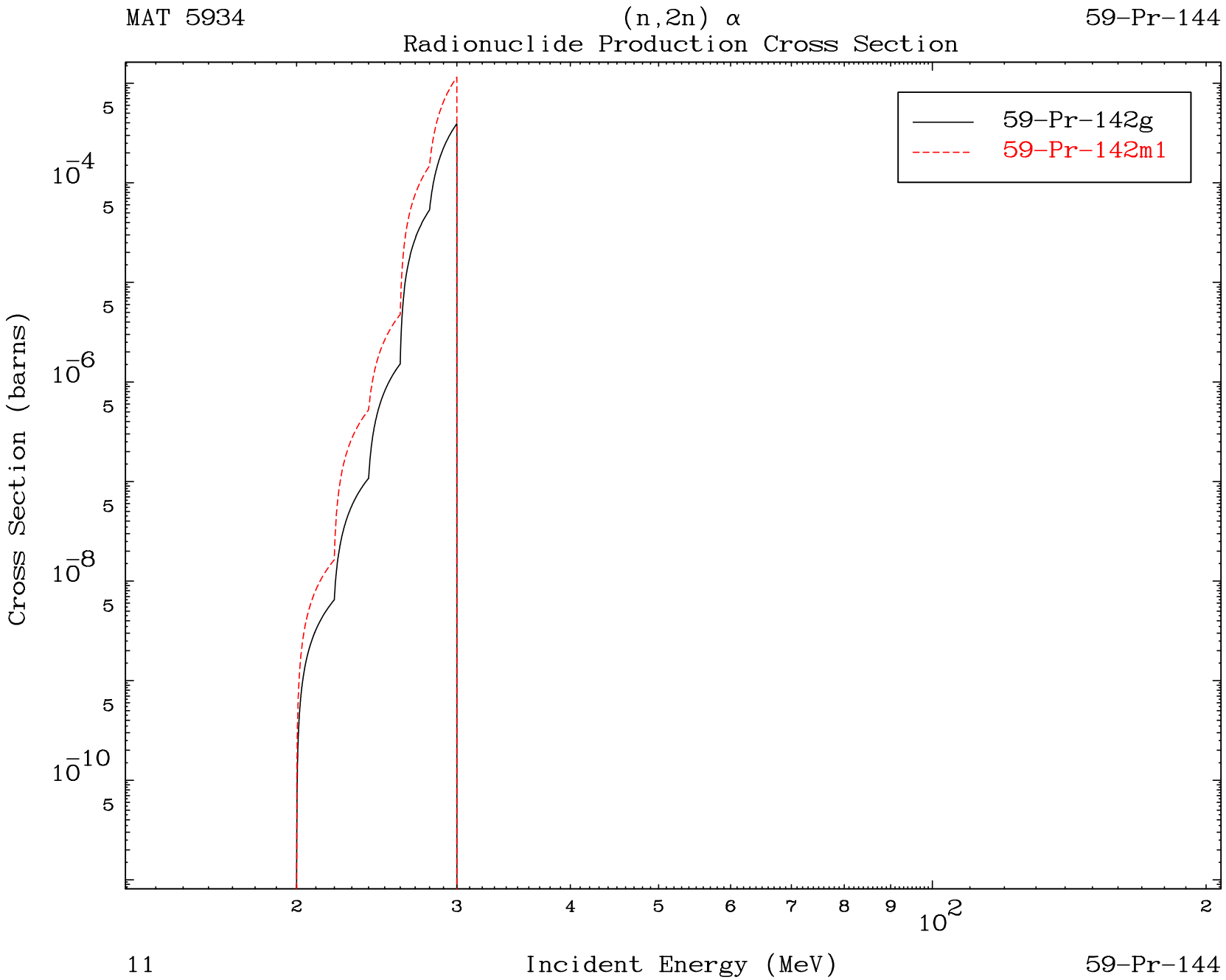

MAT 5934
(α,d) Levels
59-Pr-144
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
59-Pr-144

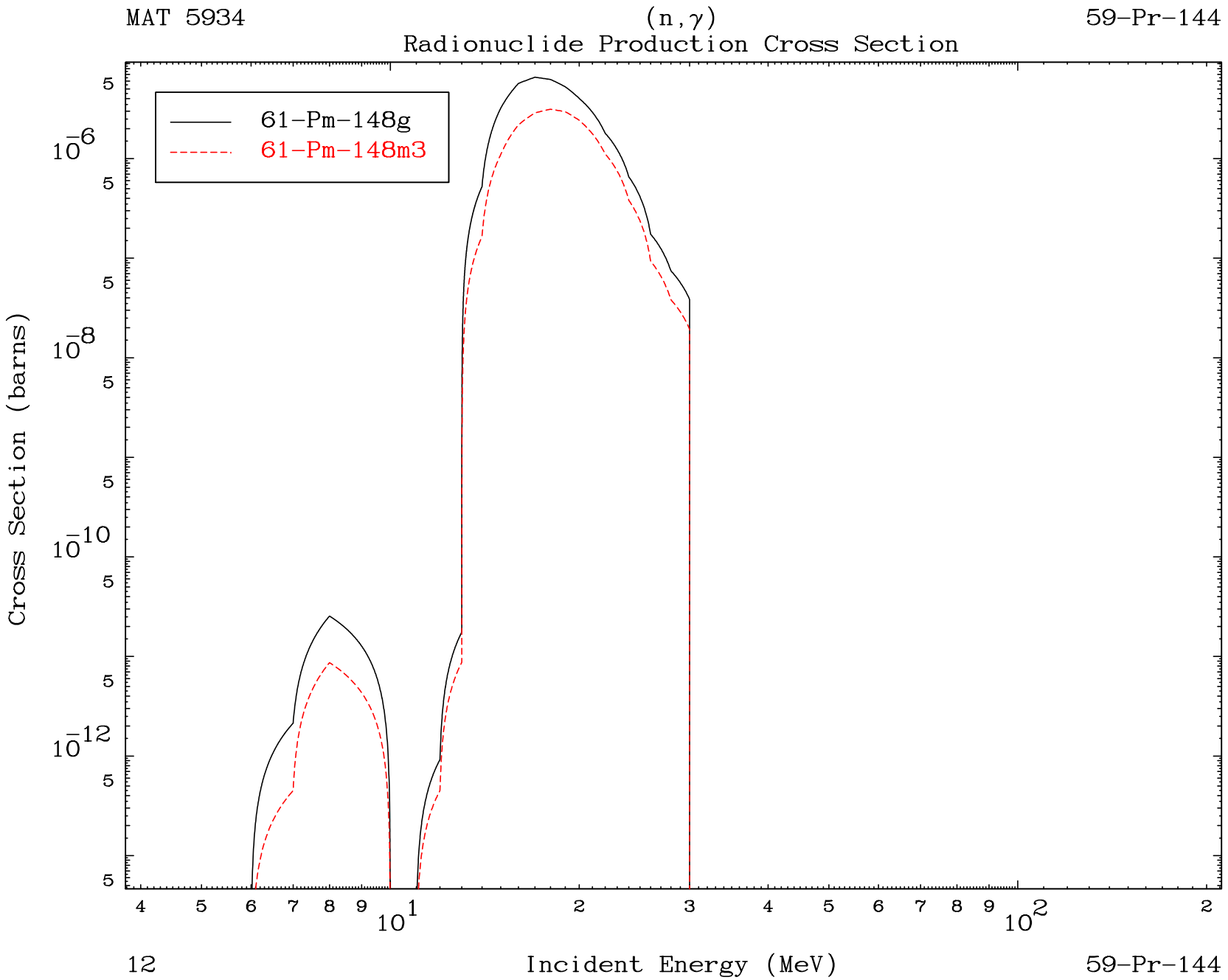
0 Kelvin Cross Sections

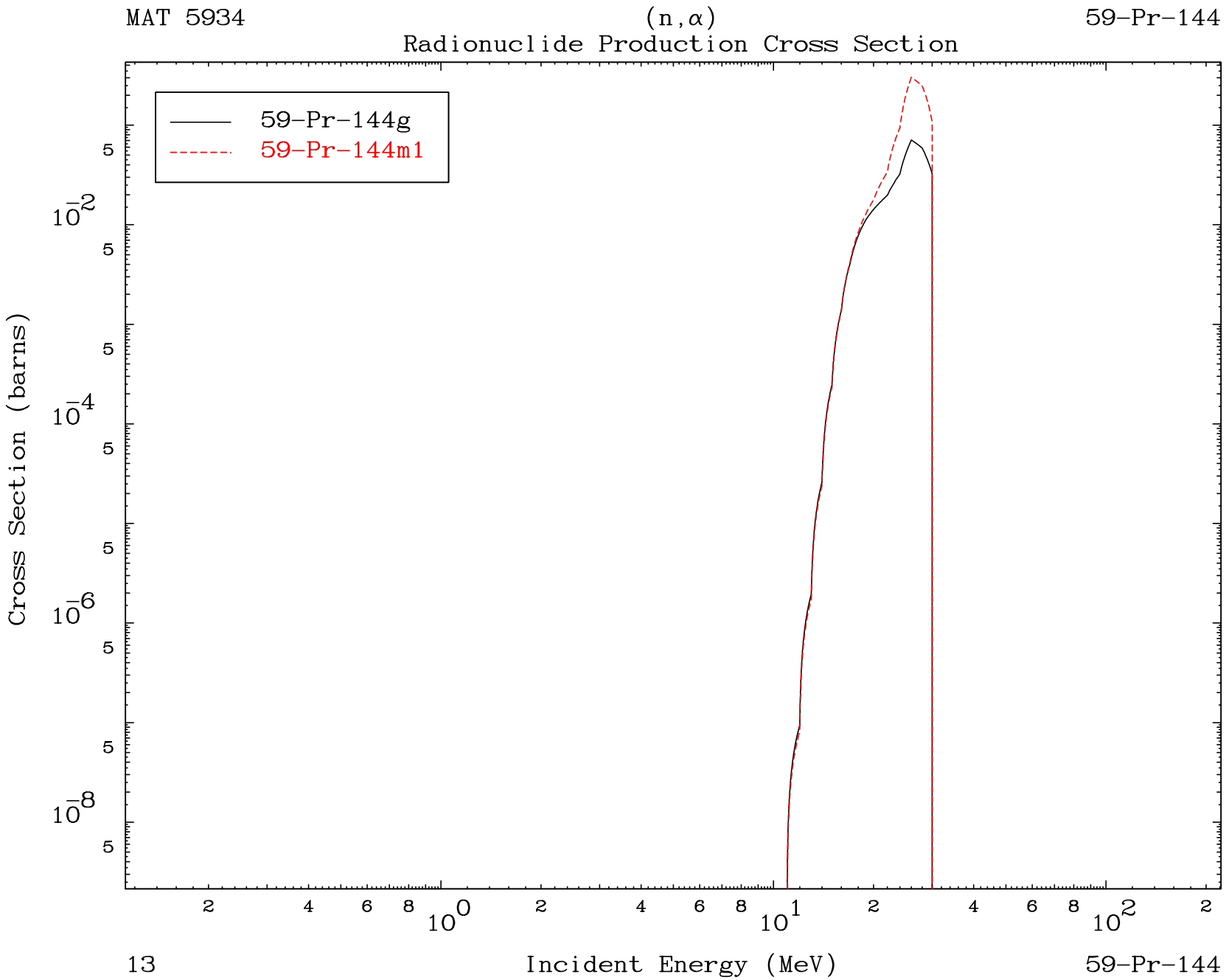



MAT 5934
(α,He3) Levels
59-Pr-144
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
59-Pr-144


MAT 5934
(α,α) Levels
59-Pr-144
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-144


MAT 5934
(n,2n) α
59-Pr-144
Radionuclide Production Cross Section
59-Pr-142g
59-Pr-142m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
59-Pr-144


MAT 5934
(n,γ)
59-Pr-144
Radionuclide Production Cross Section
61-Pm-148g
61-Pm-148m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
12
59-Pr-144


MAT 5934
(n,α)
59-Pr-144
Radionuclide Production Cross Section
59-Pr-144g
59-Pr-144m1
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
13
59-Pr-144