Program EVALPLOT
(Version 2018-1)
by
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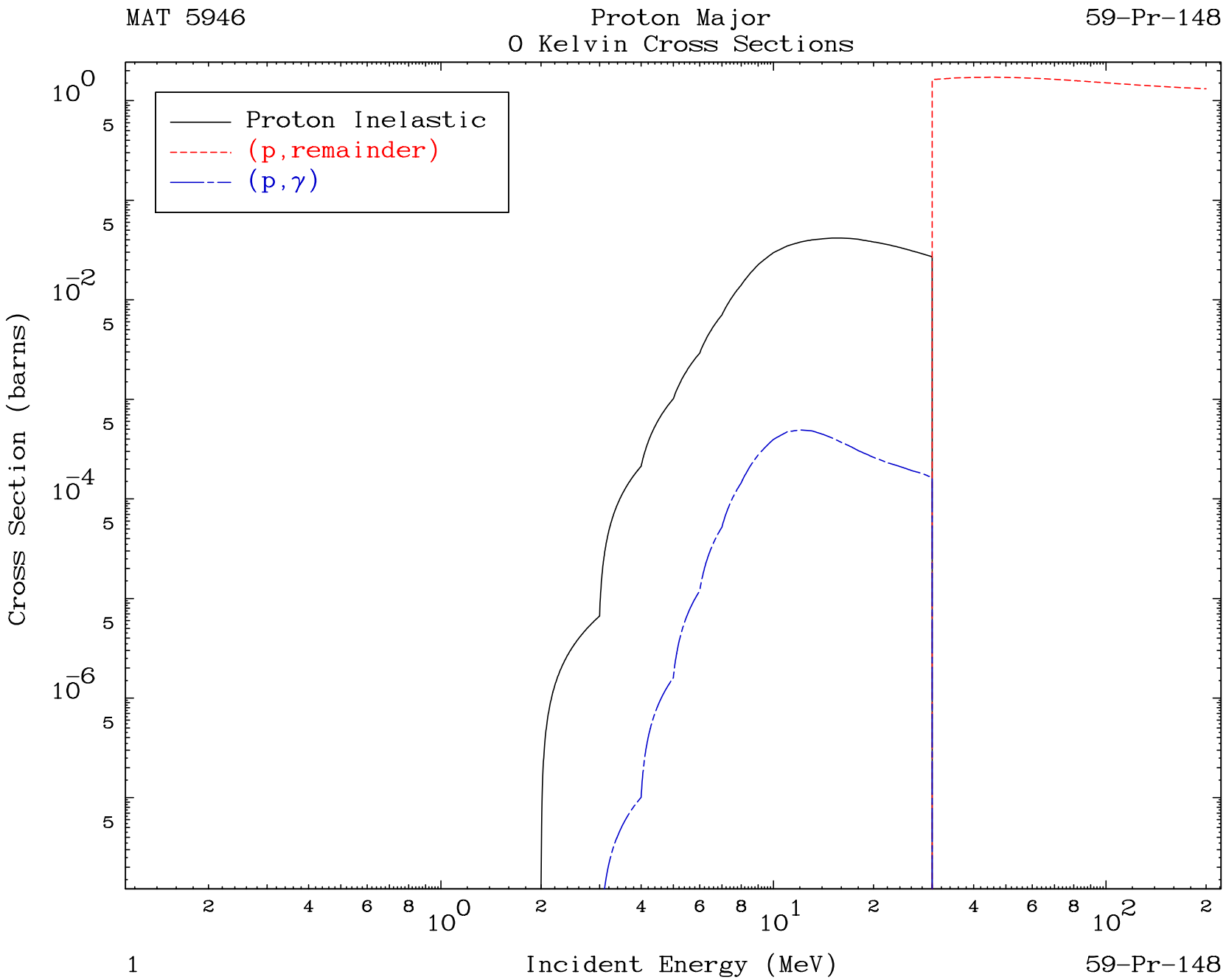
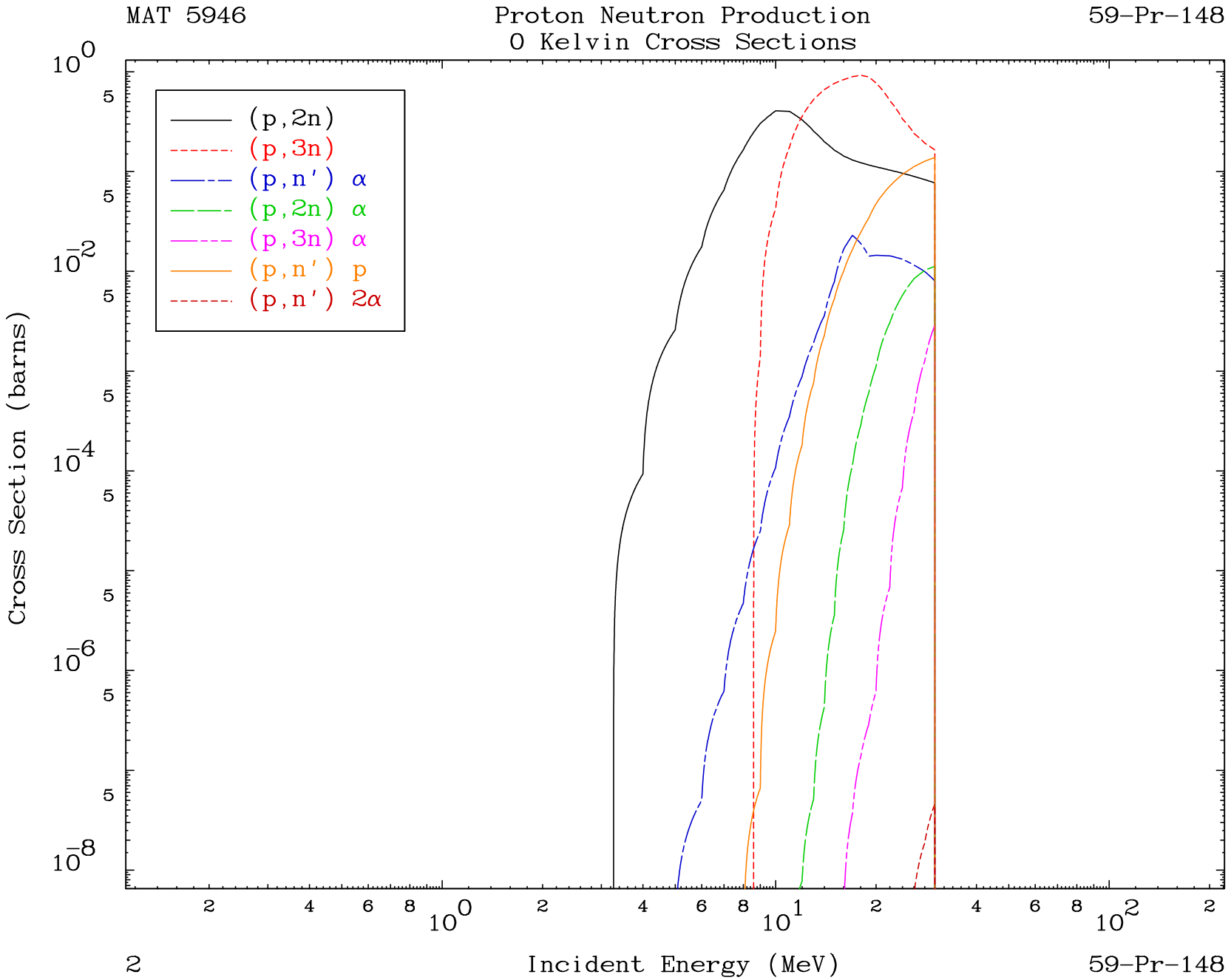
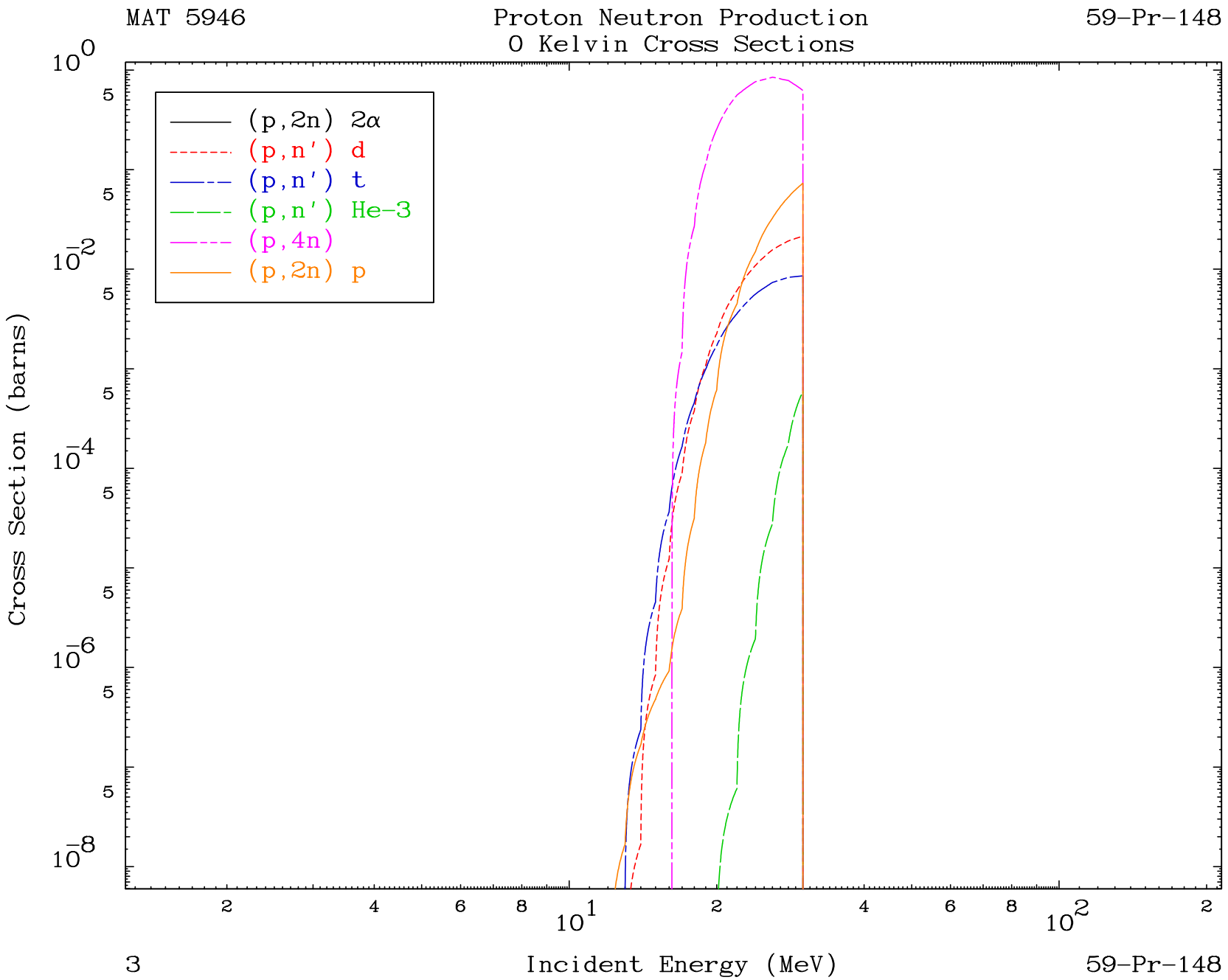
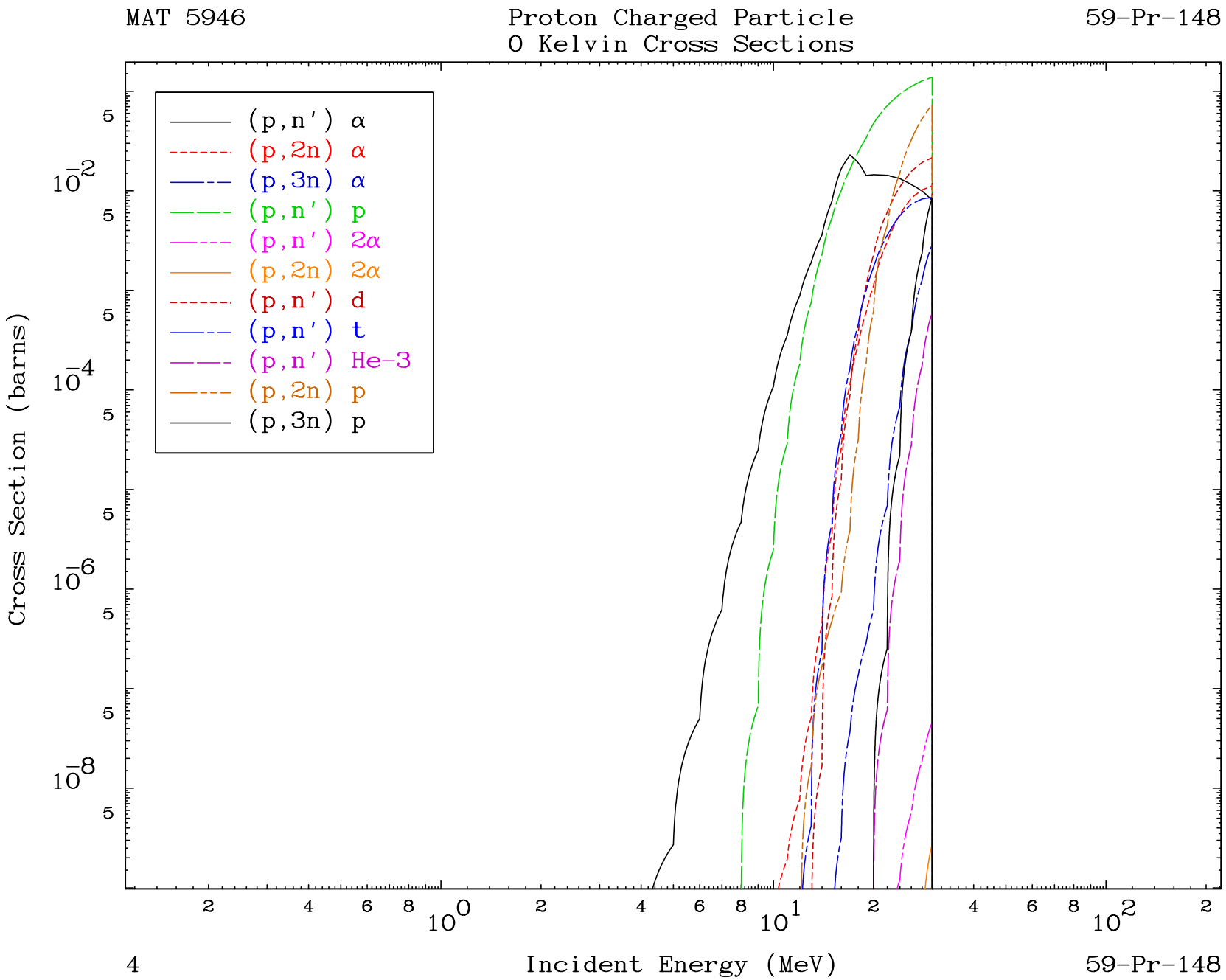
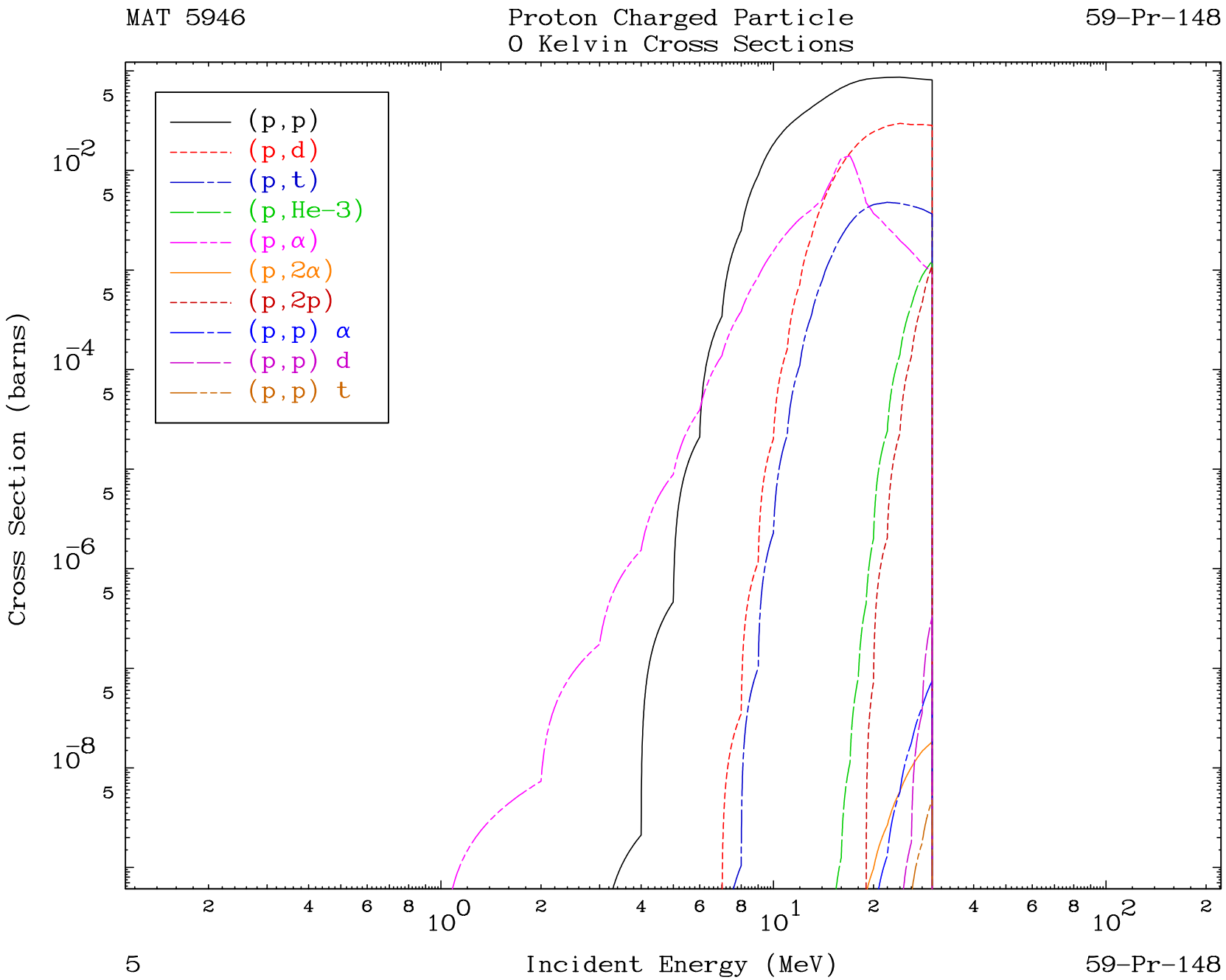
Press Mouse Button to Start

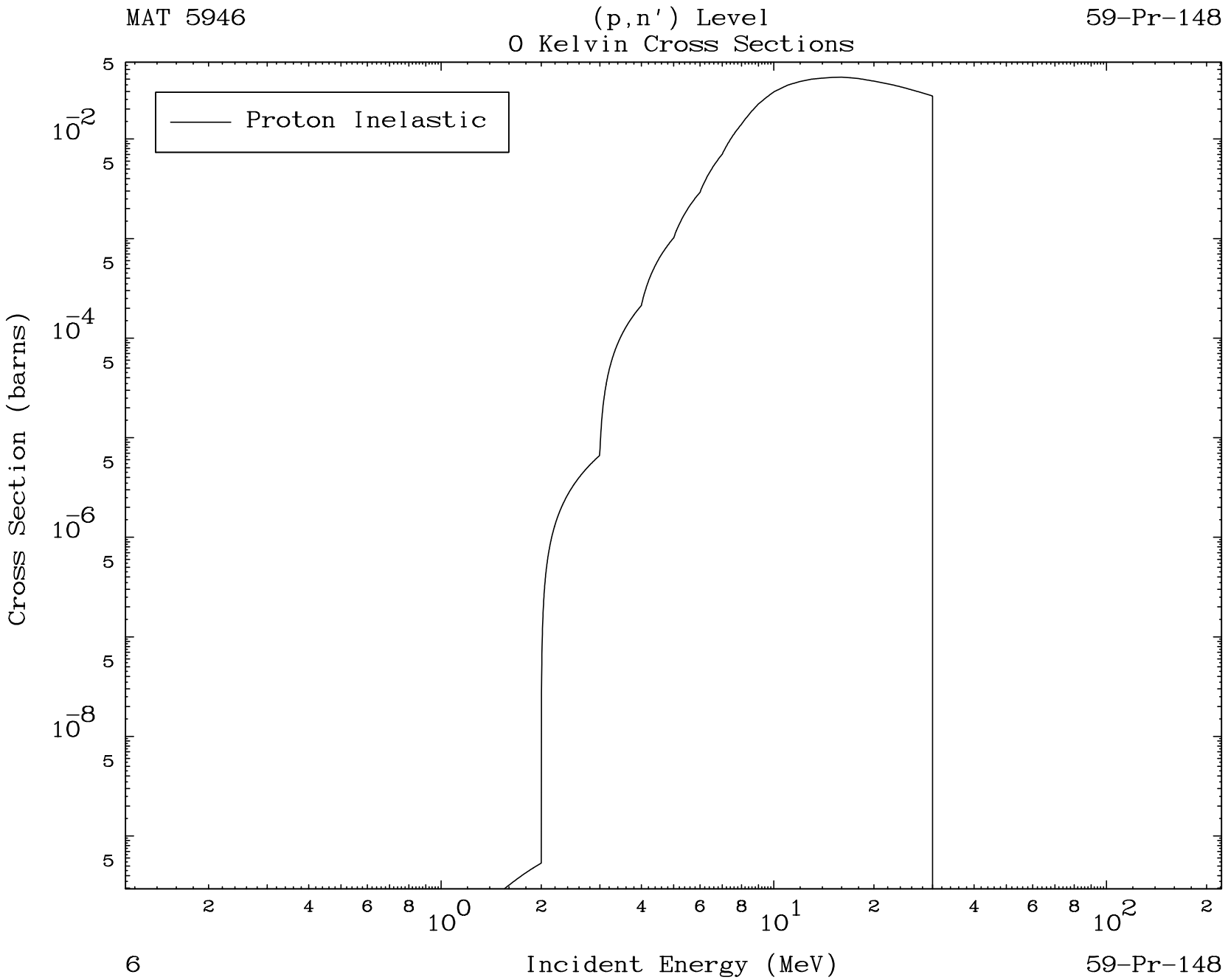

MAT 5946
Proton Major
59-Pr-148
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-148
1

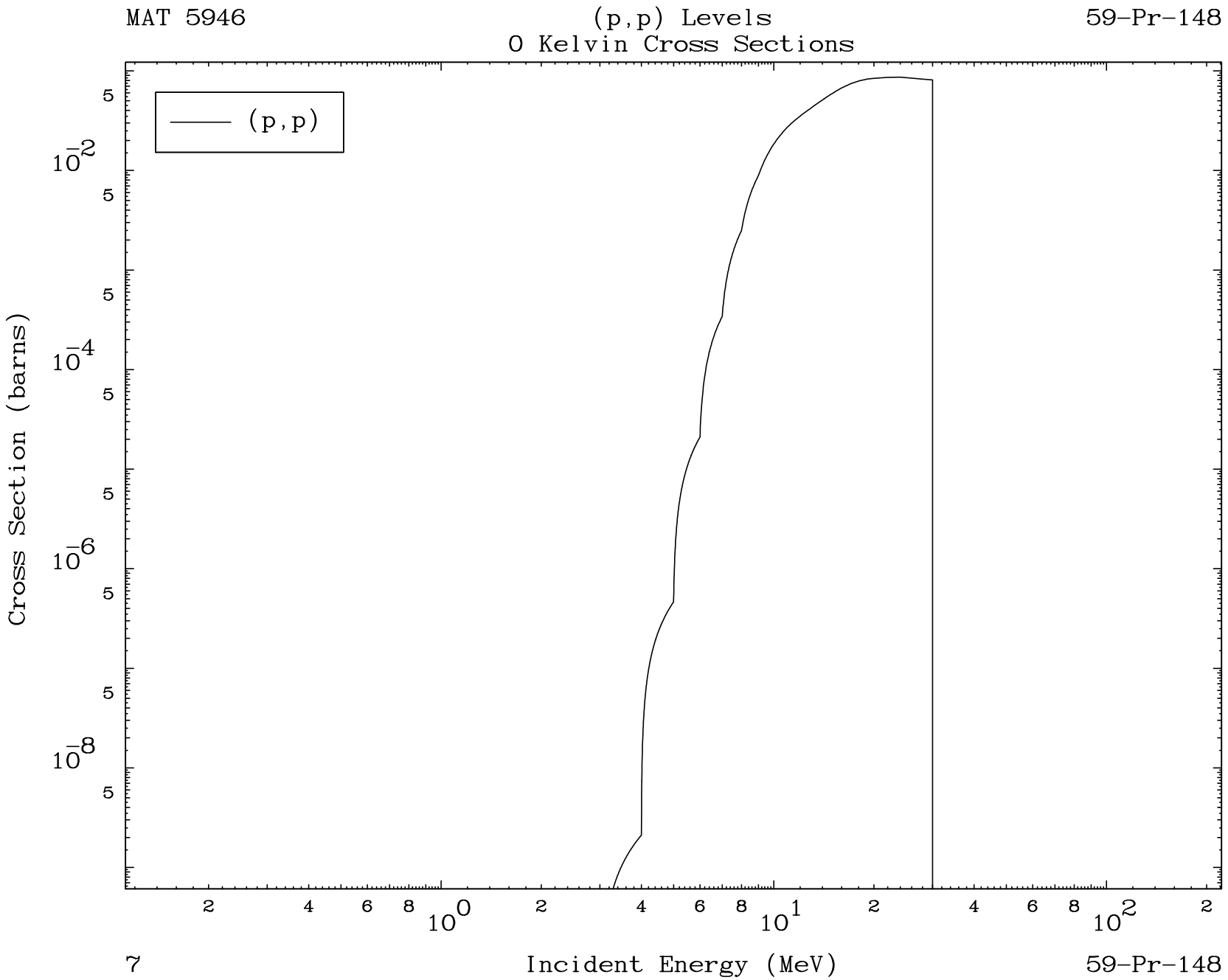

MAT 5946
Proton Neutron Production
0 Kelvin Cross Sections
59-Pr-148
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
Cross Section (barns)
Incident Energy (MeV)
59-Pr-148
2

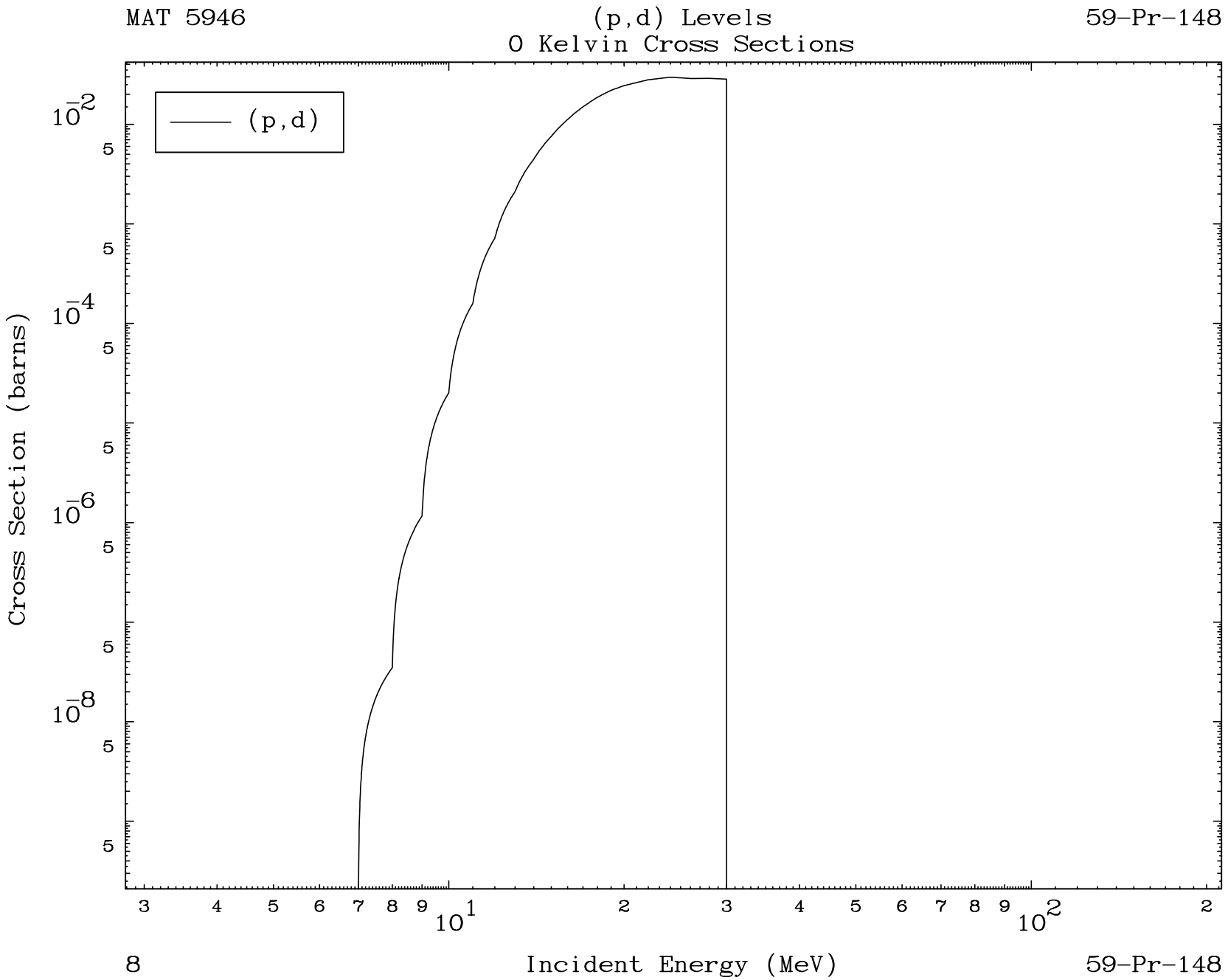

MAT 5946
Proton Neutron Production
0 Kelvin Cross Sections
59-Pr-148
(p,2n) 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,4n)
(p,2n) p
Cross Section (barns)
Incident Energy (MeV)
3
59-Pr-148

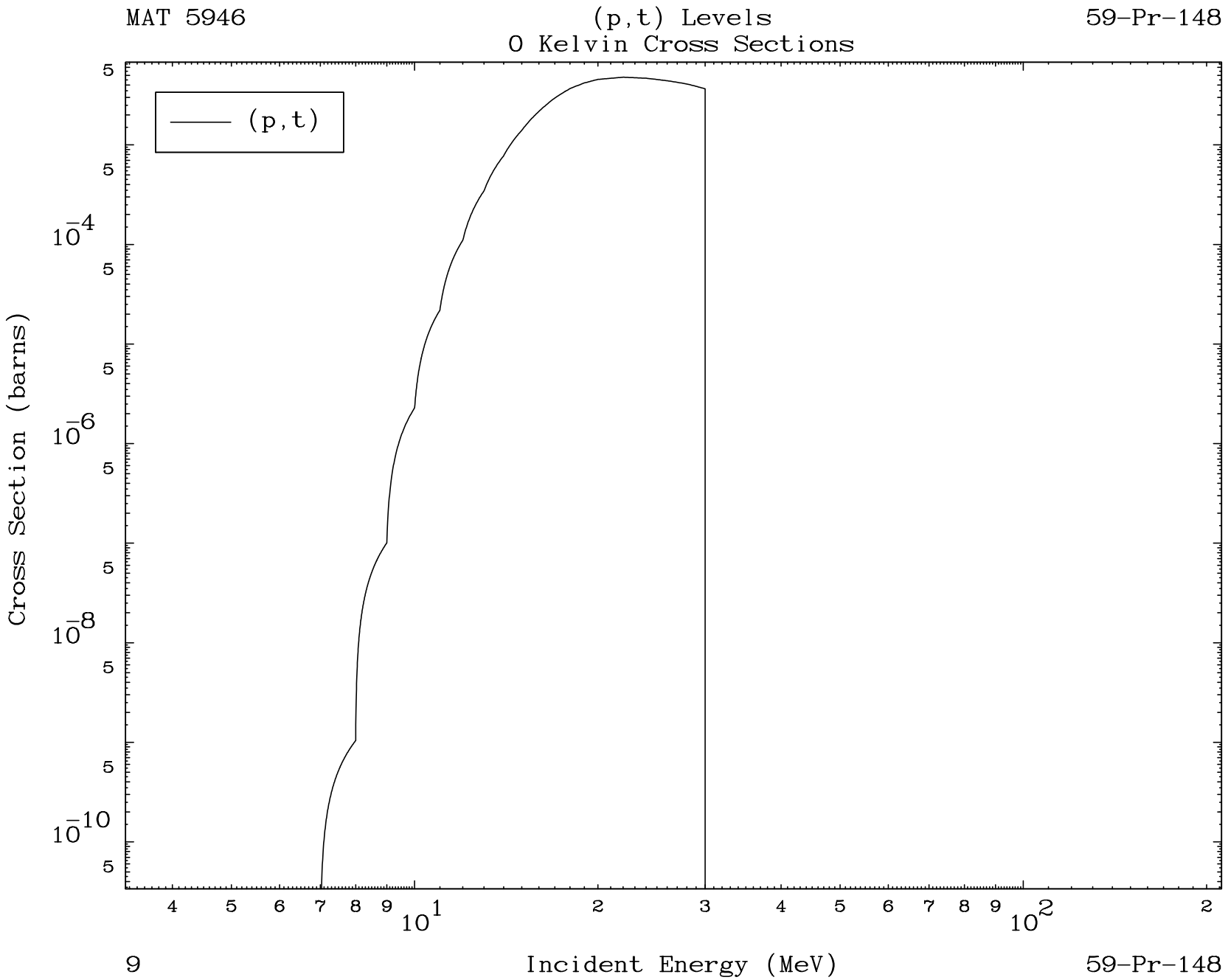

MAT 5946
Proton Charged Particle
0 Kelvin Cross Sections
59-Pr-148
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
(p,2n) 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
59-Pr-148

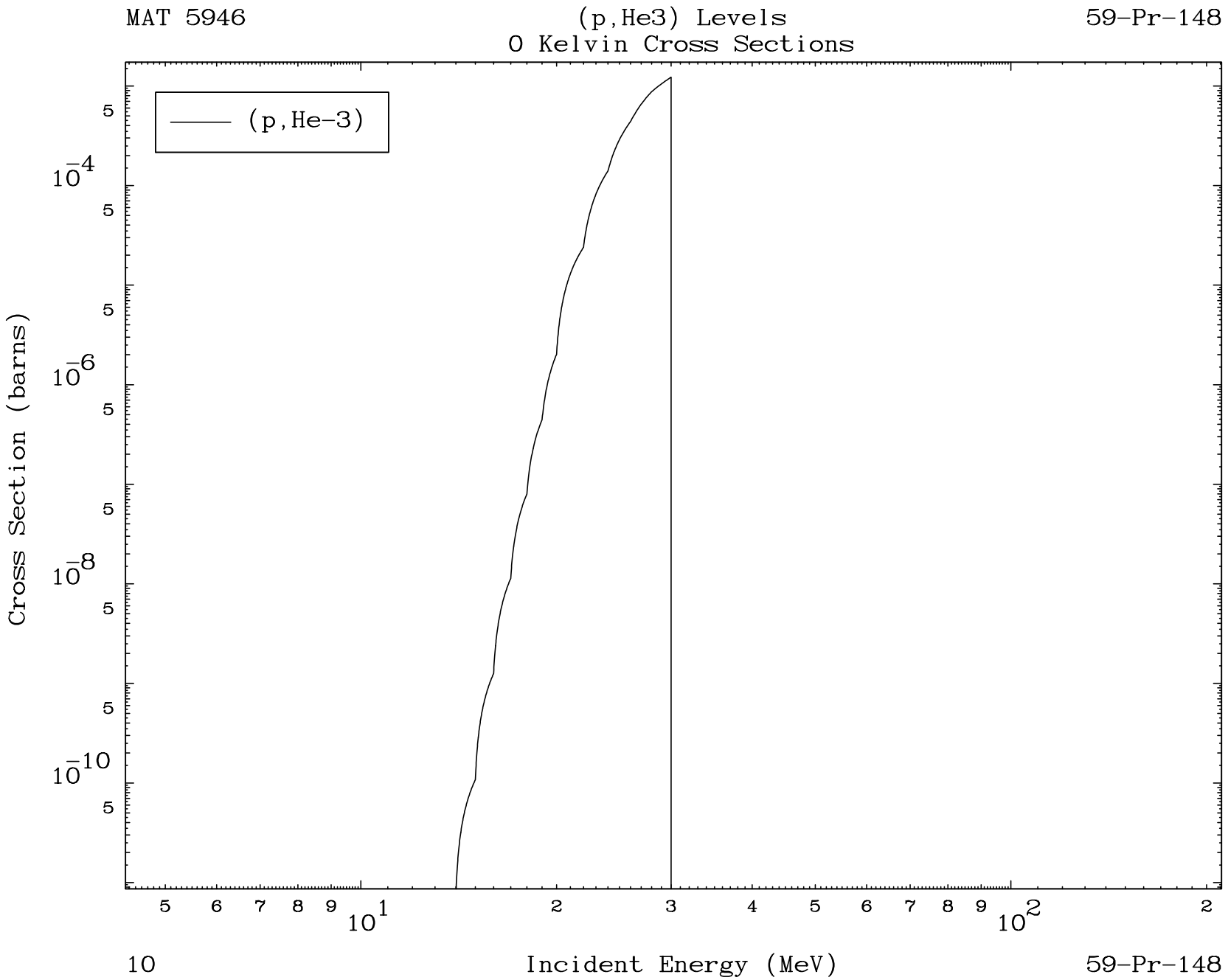

MAT 5946
Proton Charged Particle
0 Kelvin Cross Sections
59-Pr-148
(p,p)
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
59-Pr-148
5

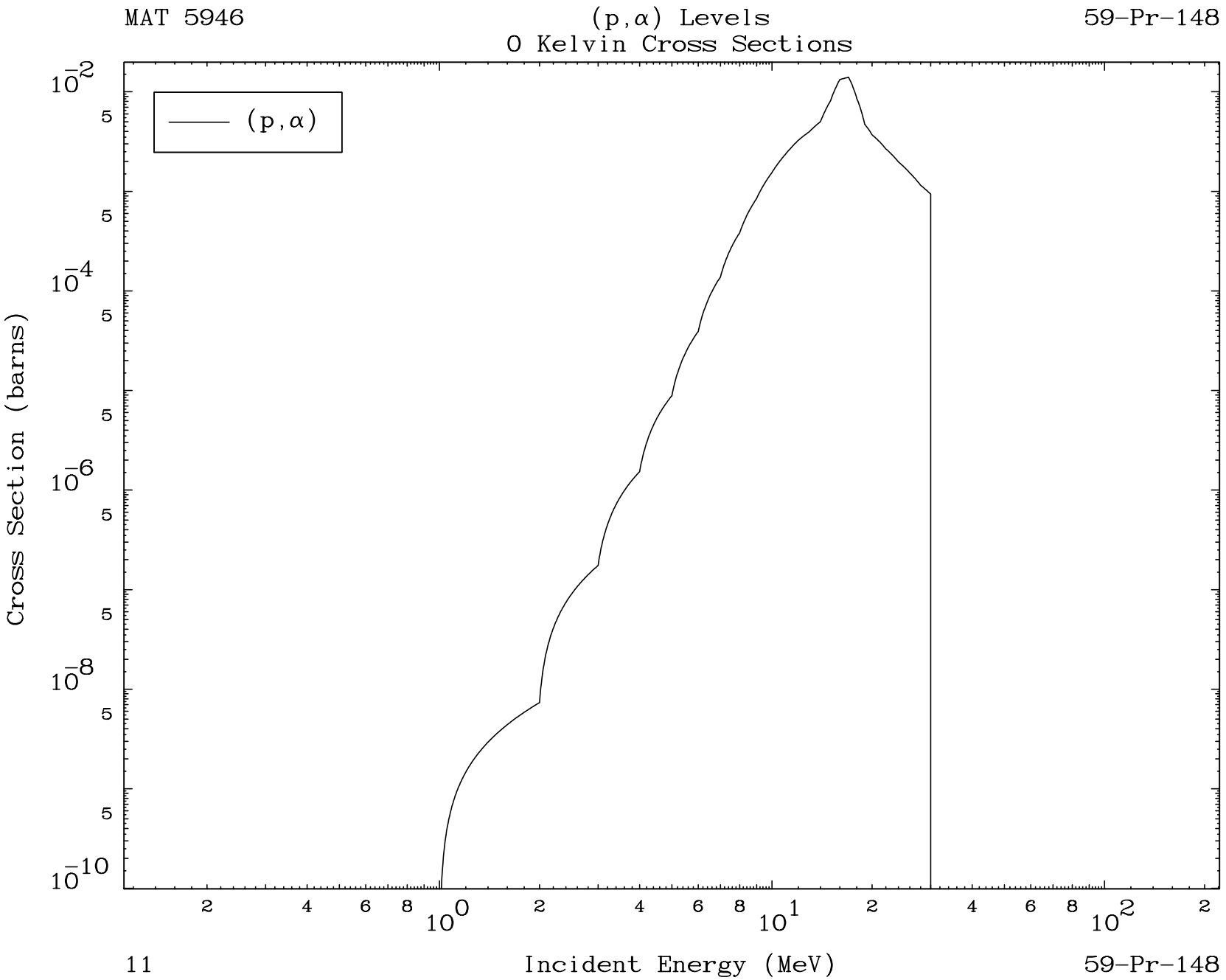

MAT 5946
(p,n') Level
59-Pr-148
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
6
59-Pr-148

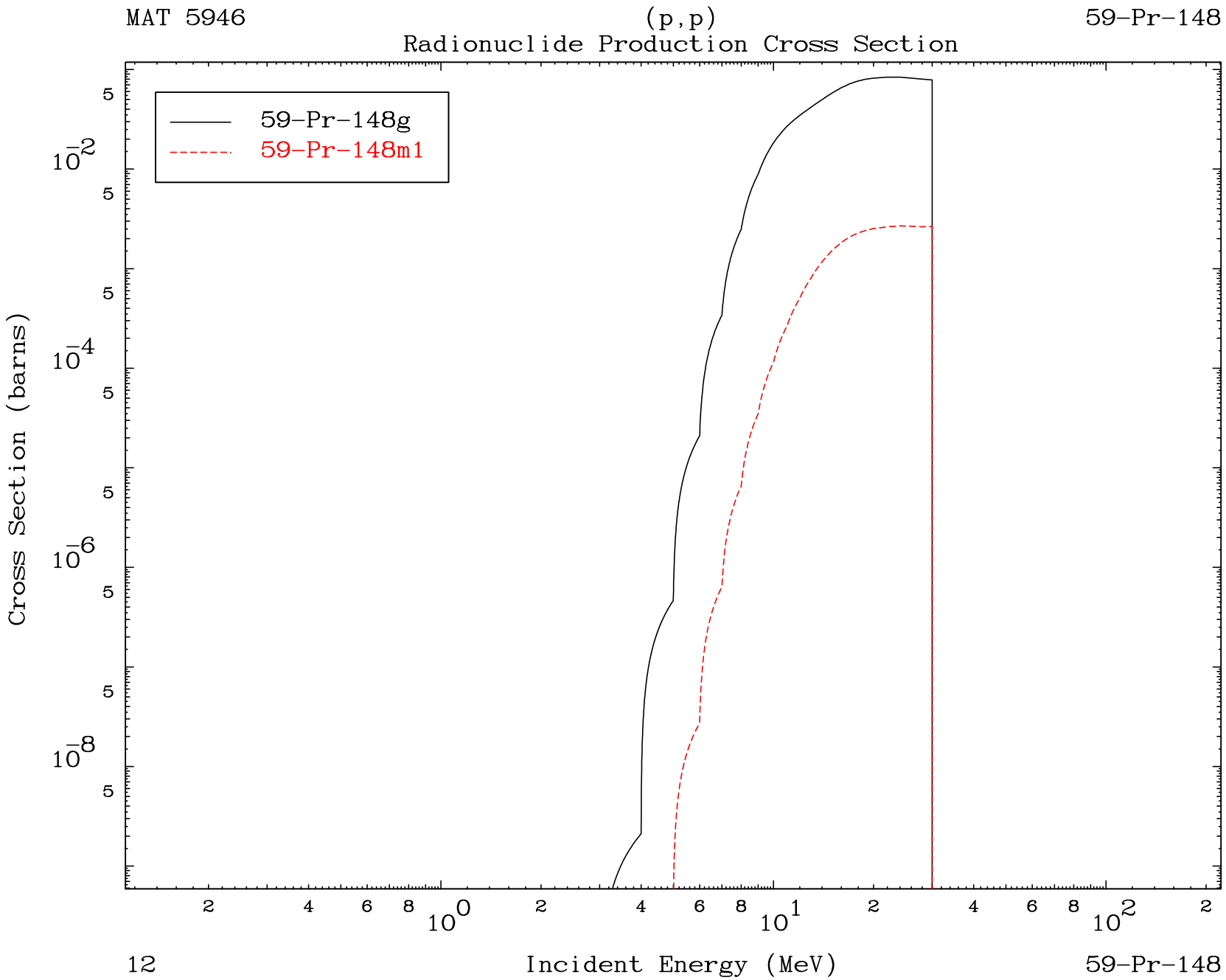

MAT 5946
(p,p) Levels
59-Pr-148
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
7
59-Pr-148


MAT 5946
(p,d) Levels
59-Pr-148
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
Incident Energy (MeV)
8
59-Pr-148


MAT 5946
(p,t) Levels
59-Pr-148
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
Incident Energy (MeV)
9
59-Pr-148


MAT 5946
(p,He3) Levels
59-Pr-148
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
10^2
2
3
4
6
7
8
9
Incident Energy (MeV)
10
59-Pr-148


MAT 5946
(p,α) Levels
59-Pr-148
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
11
59-Pr-148


MAT 5946
(p,p)
59-Pr-148
Radionuclide Production Cross Section
59-Pr-148g
59-Pr-148m1
Cross Section (barns)
Incident Energy (MeV)
12
59-Pr-148