Program EVALPLOT
(Version 2017-1)
by
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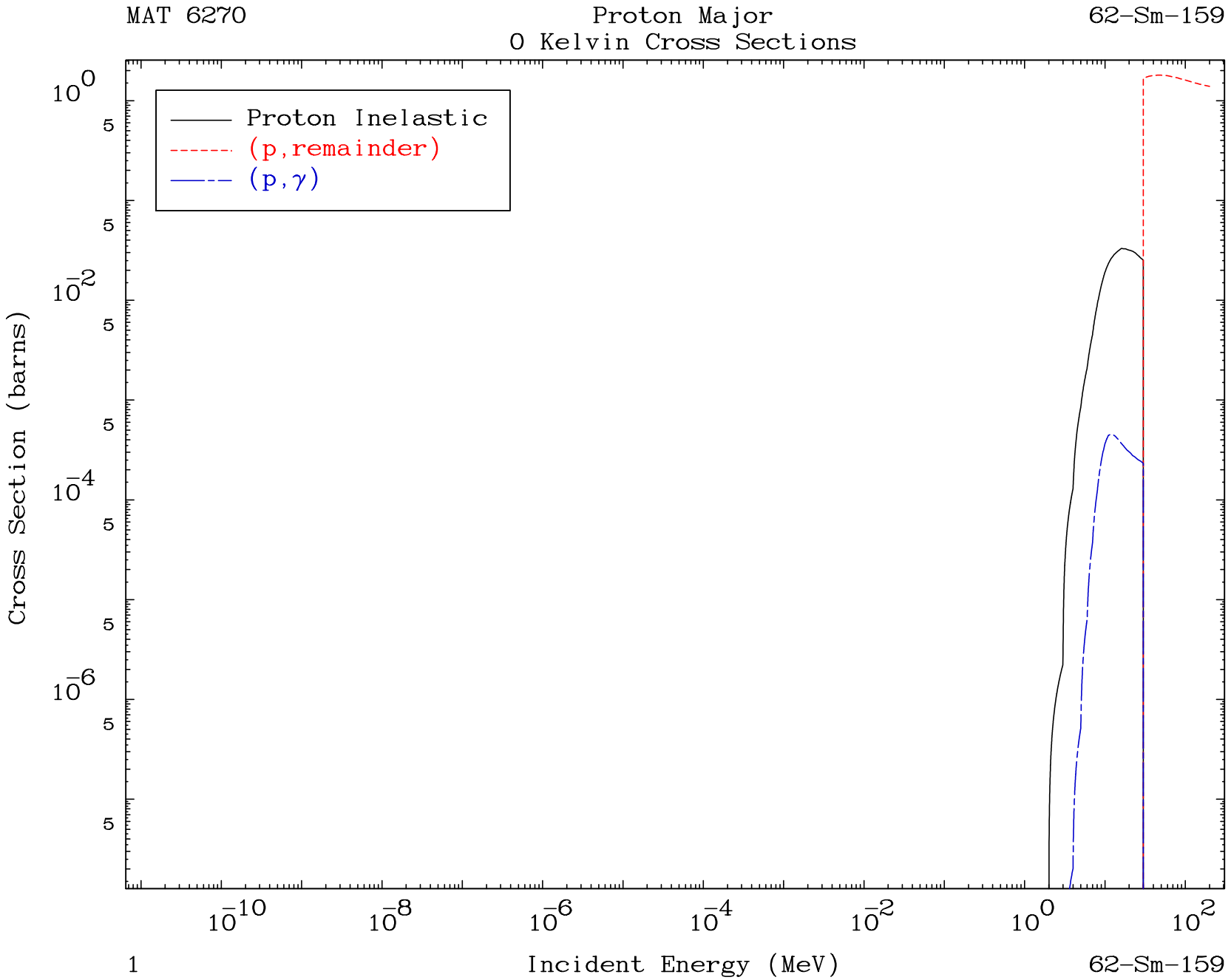
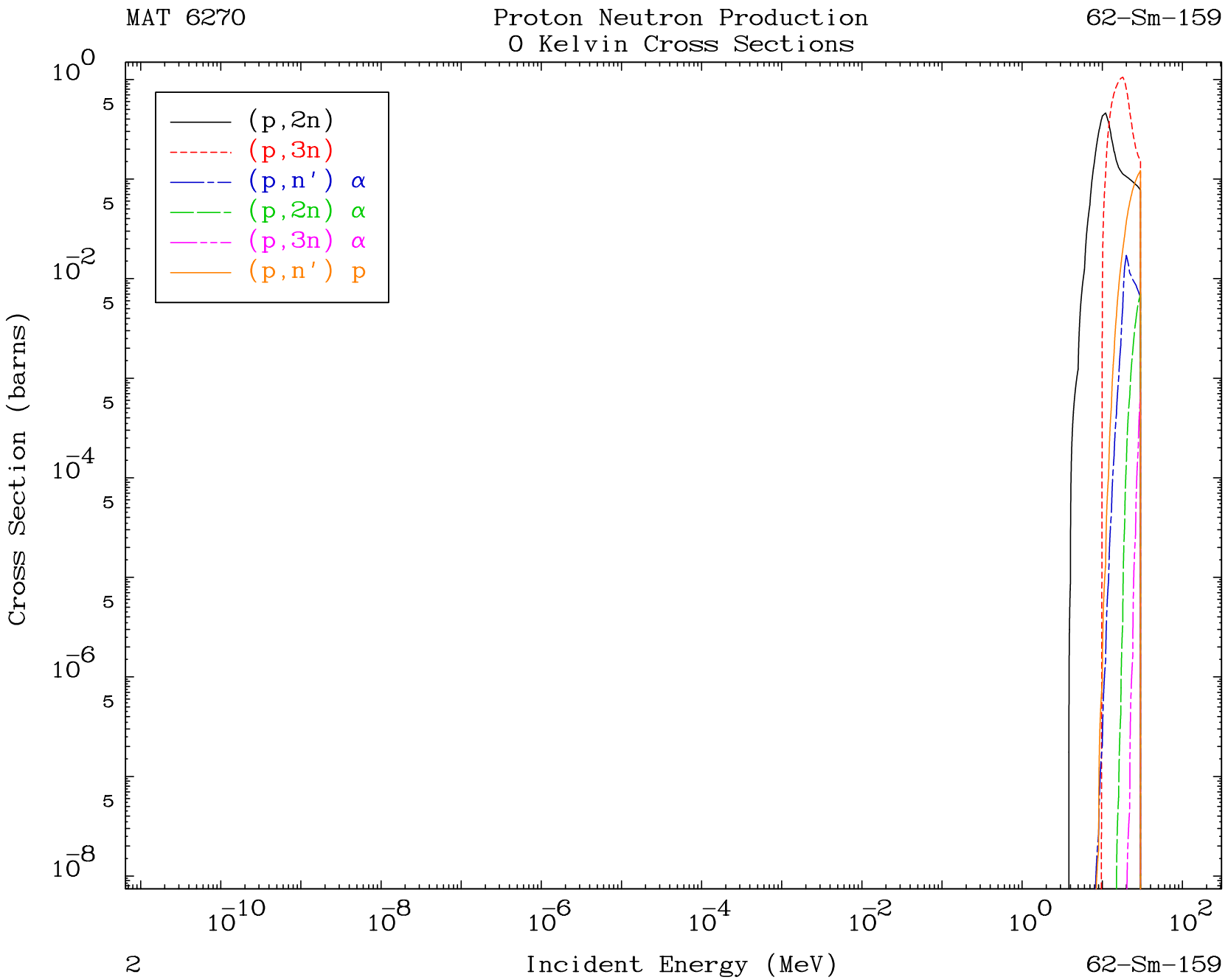
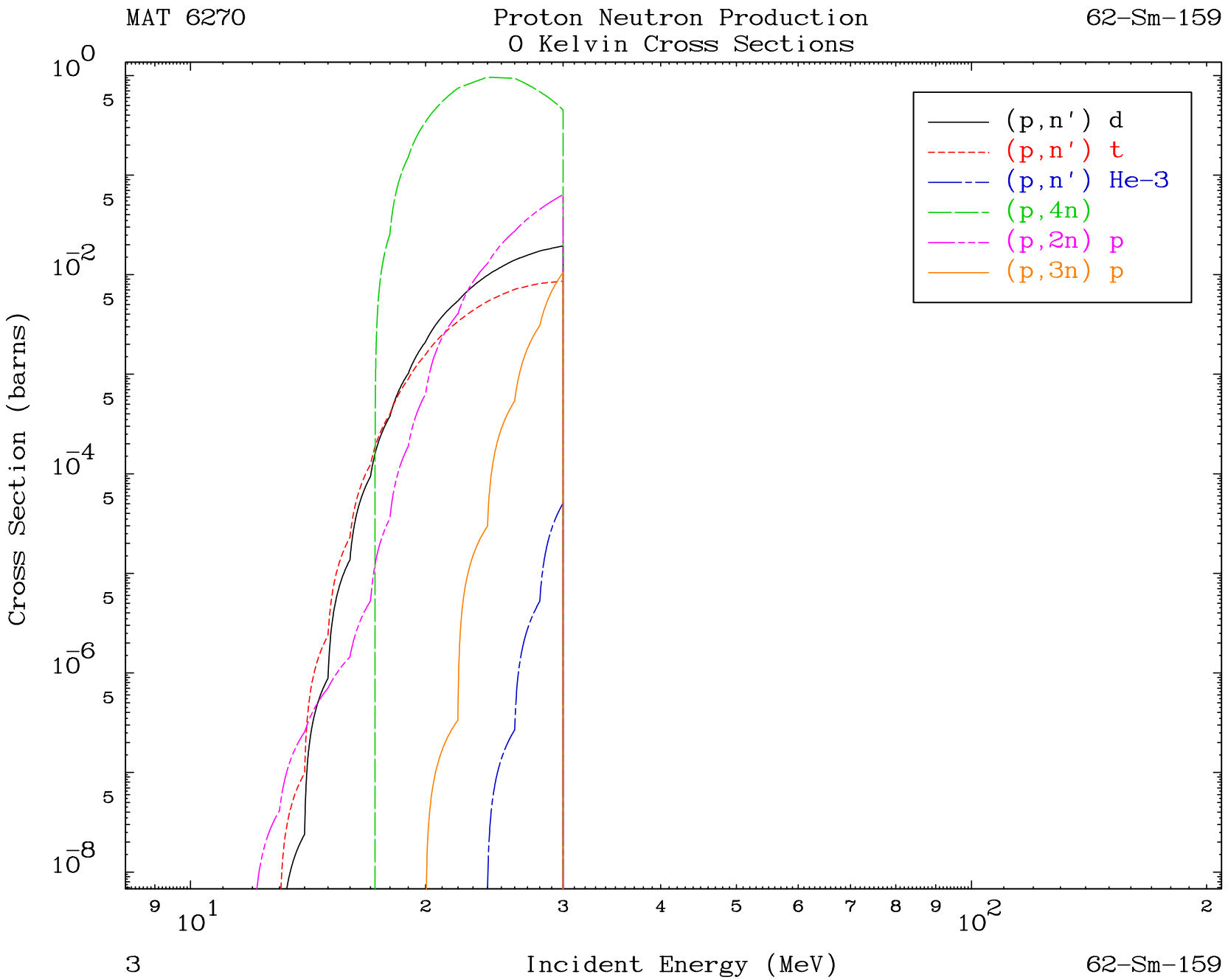
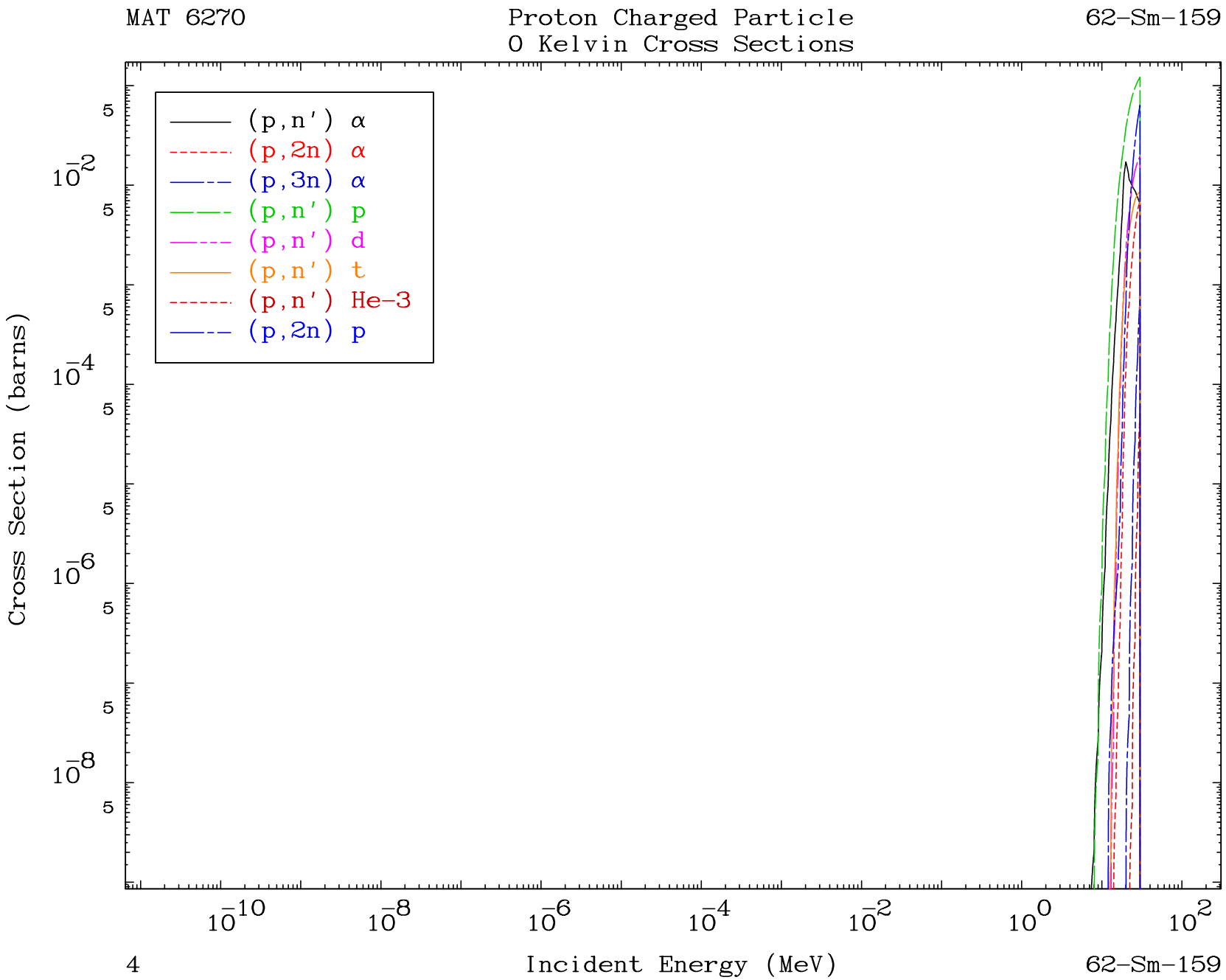
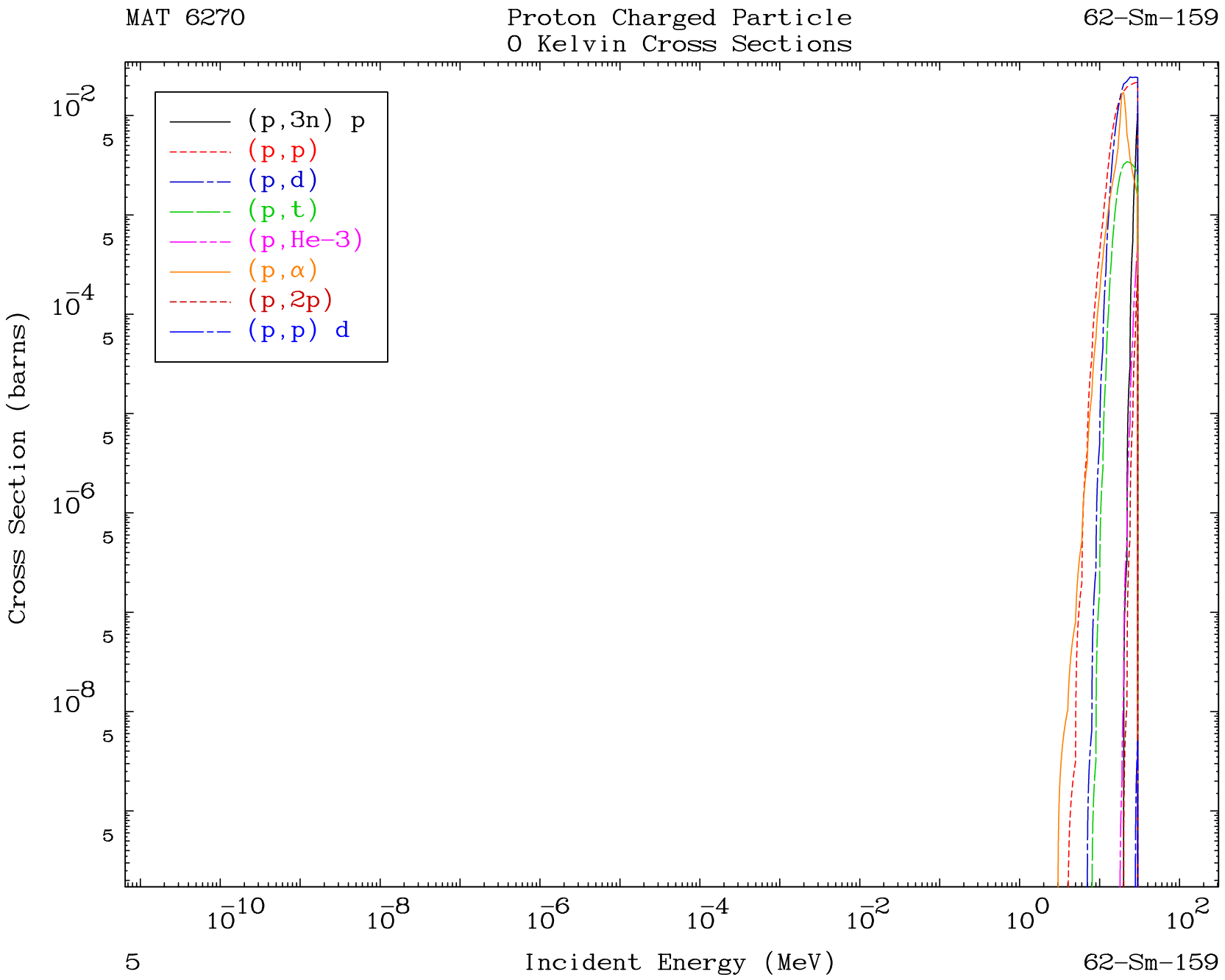
Press Mouse Button to Start

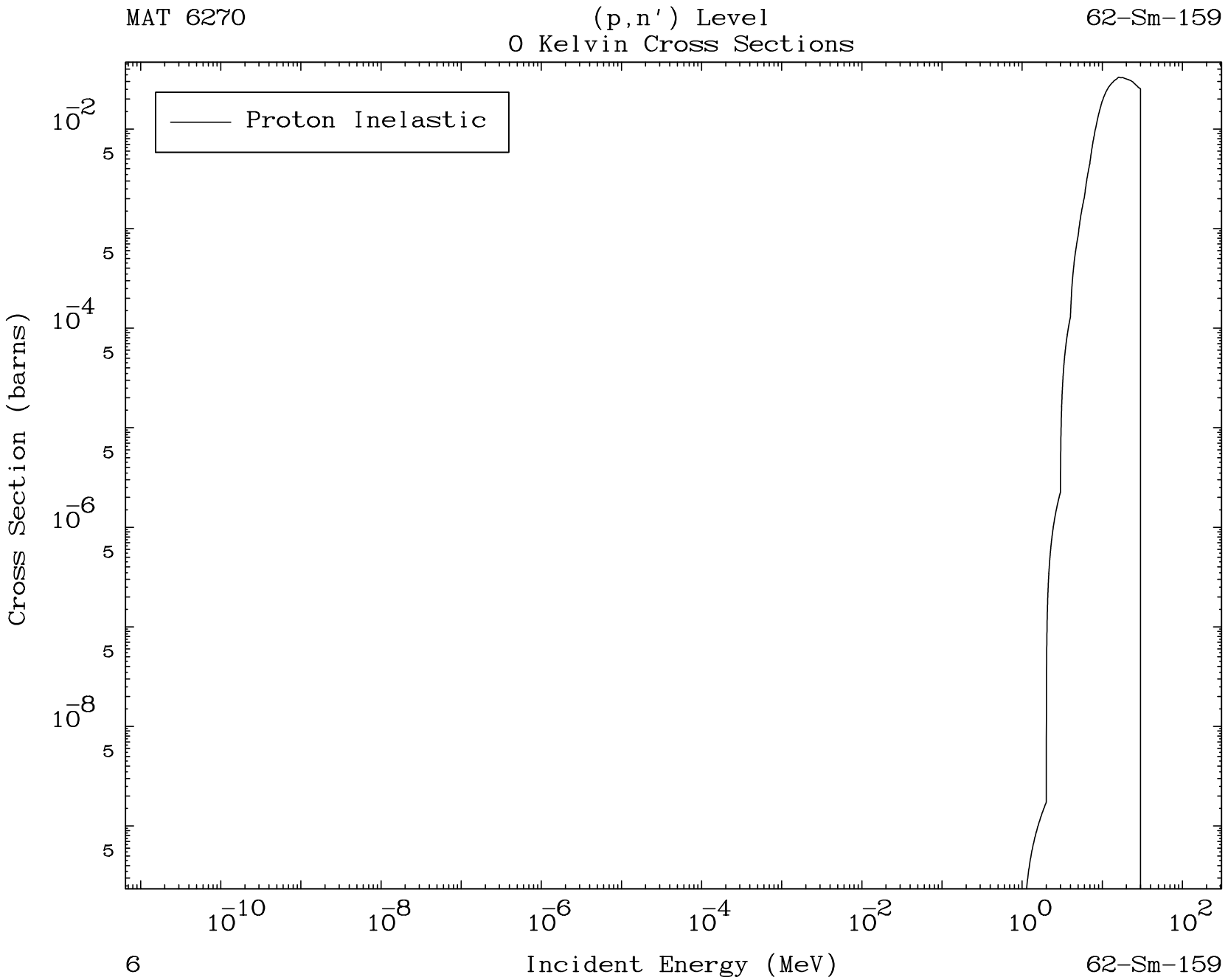

MAT 6270
Proton Major
62-Sm-159
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
62-Sm-159
1

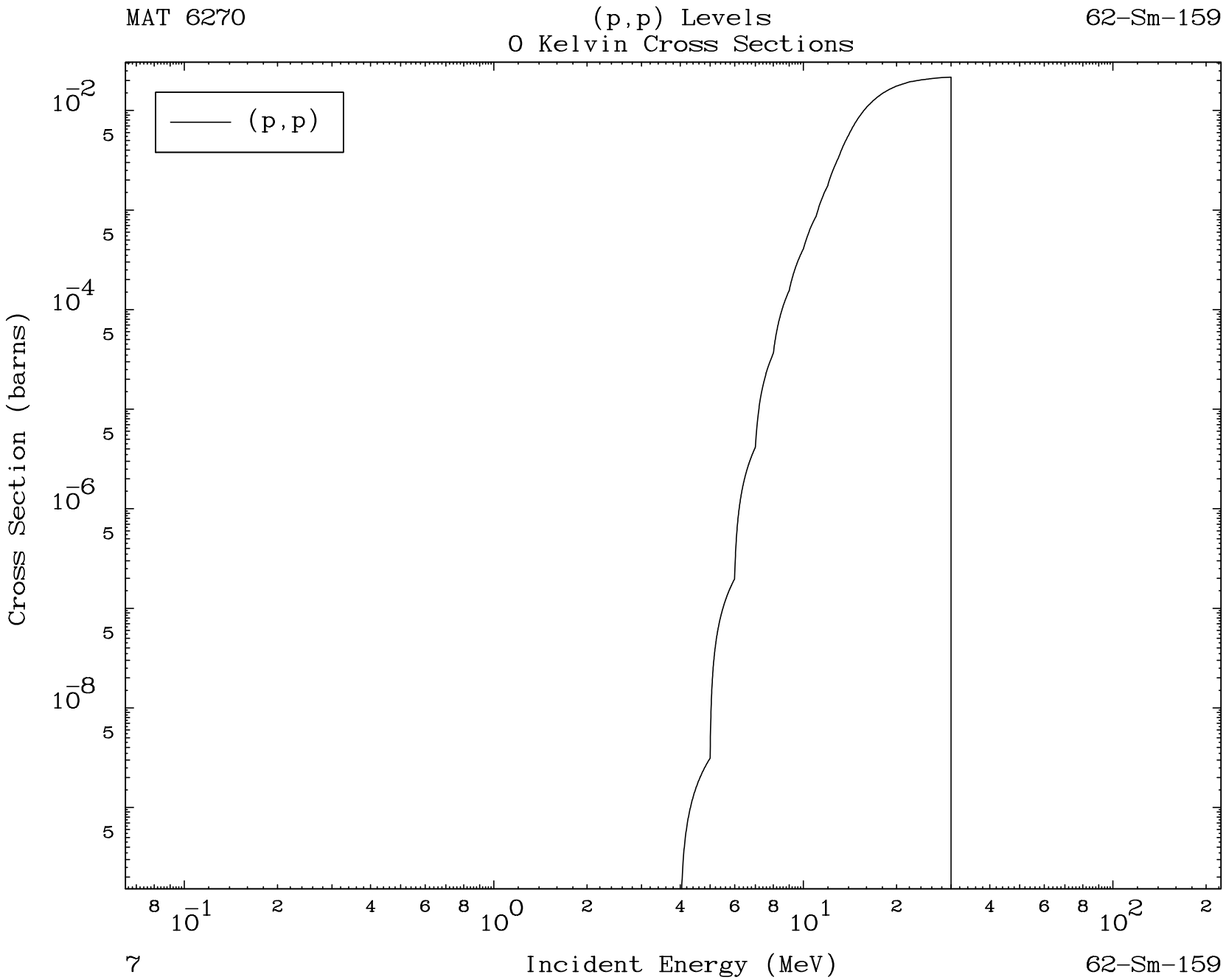

MAT 6270
Proton Neutron Production
0 Kelvin Cross Sections
62-Sm-159
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
Cross Section (barns)
Incident Energy (MeV)
62-Sm-159
2

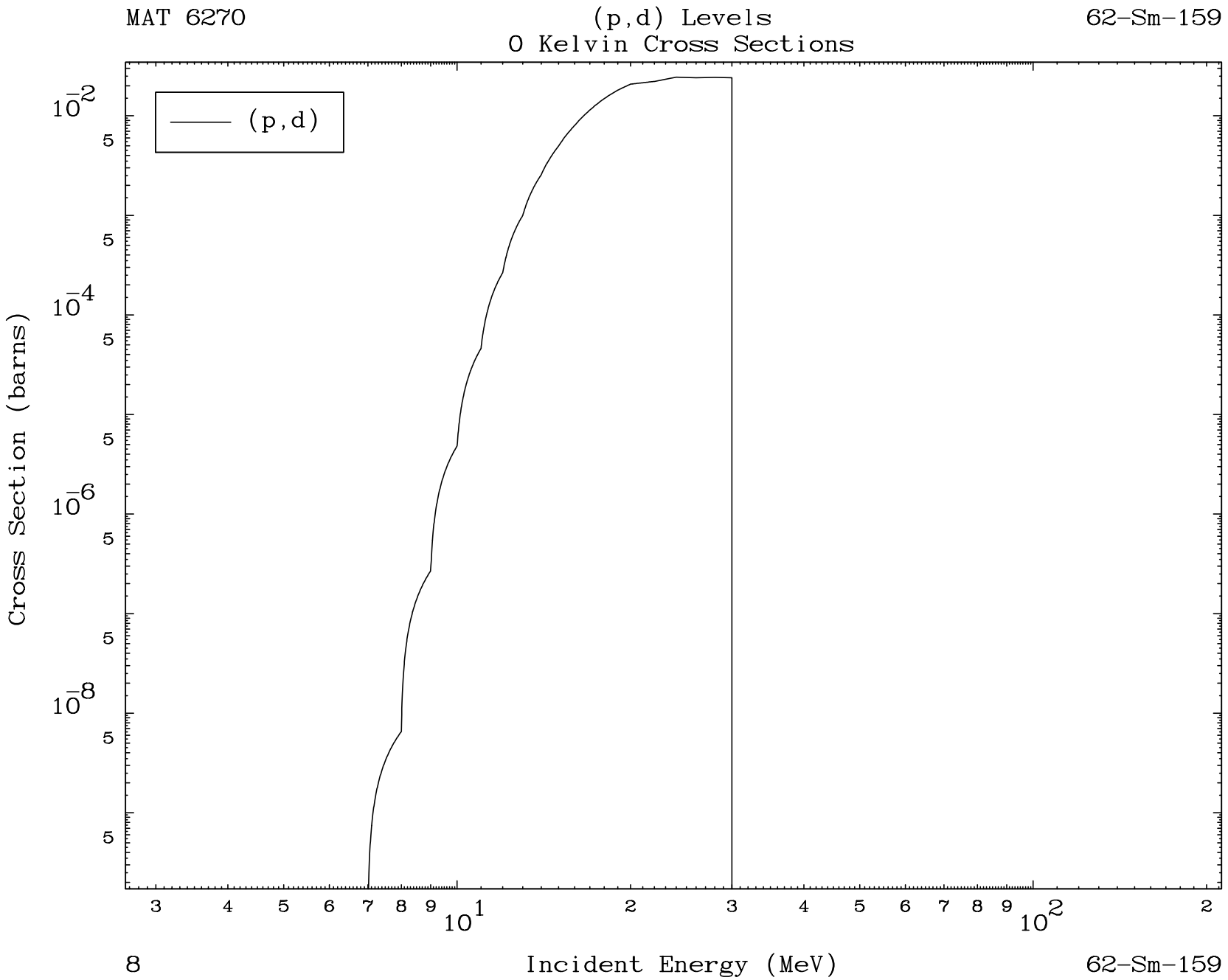

MAT 6270
Proton Neutron Production
0 Kelvin Cross Sections
62-Sm-159
(p,n') d
(p,n') t
(p,n') He-3
(p,4n)
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
62-Sm-159
3

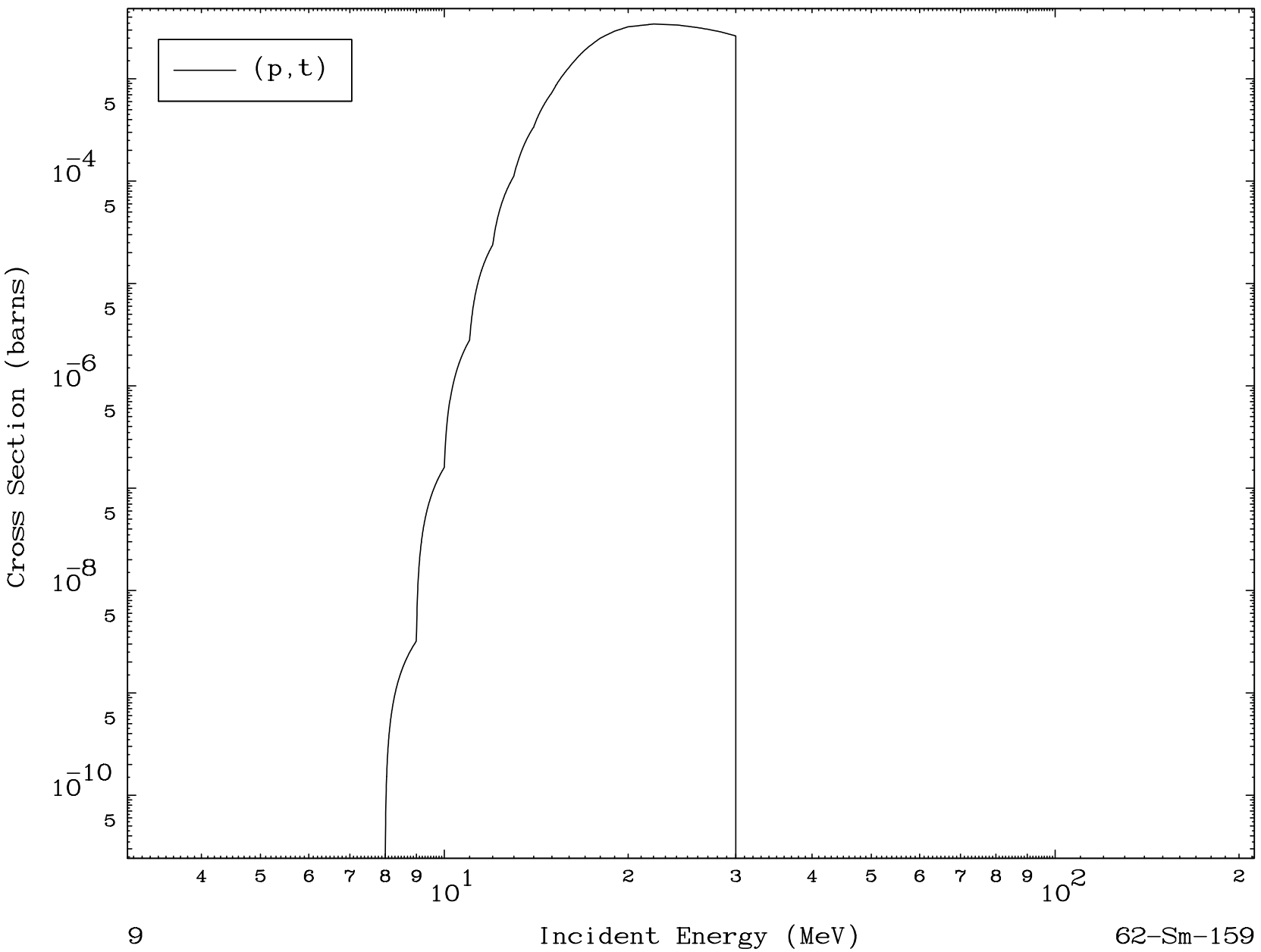

MAT 6270
Proton Charged Particle
0 Kelvin Cross Sections
62-Sm-159
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)
4
62-Sm-159

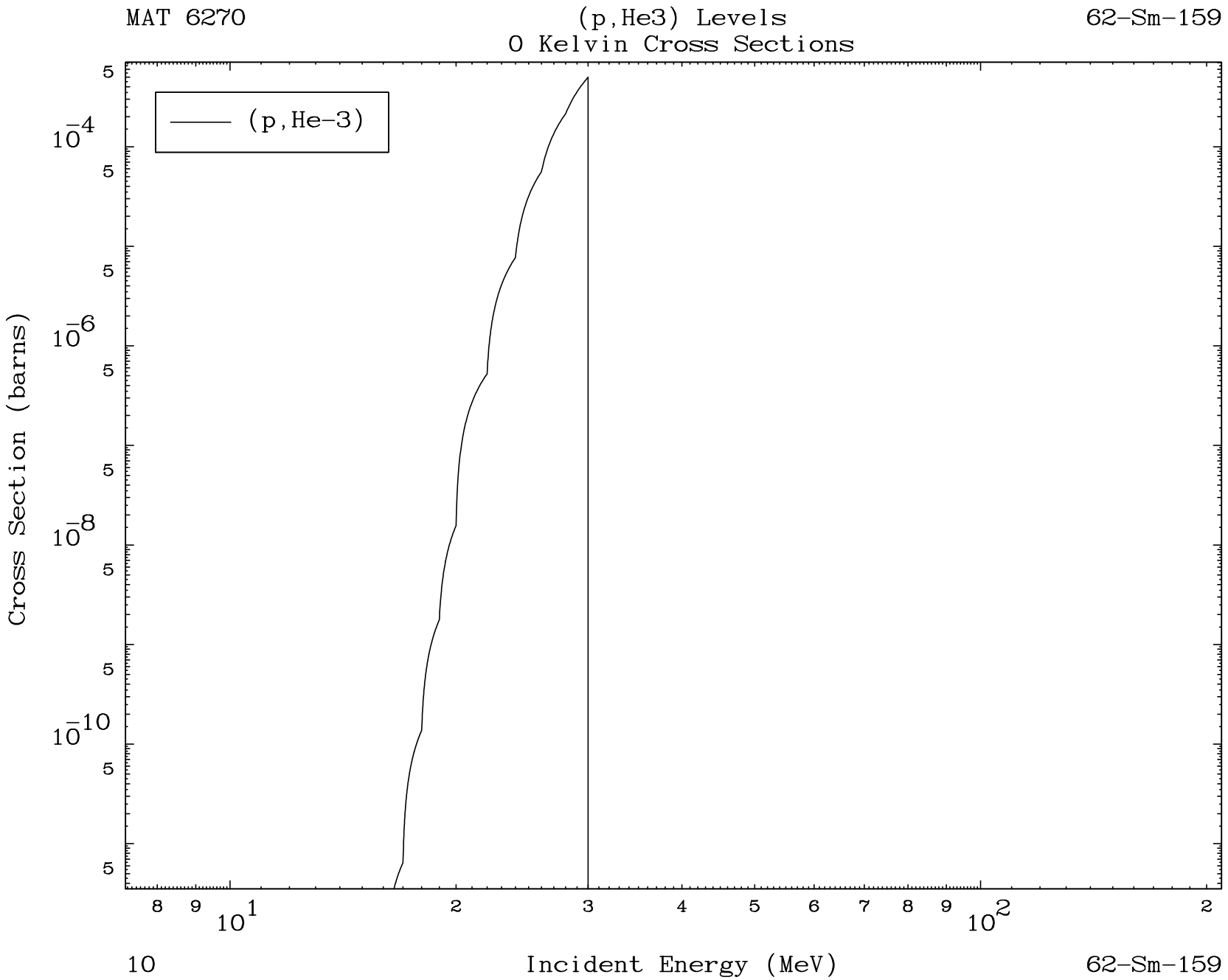

MAT 6270
Proton Charged Particle
0 Kelvin Cross Sections
62-Sm-159
(p,3n) p
(p,p)
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2p)
(p,p) d
Cross Section (barns)
Incident Energy (MeV)
62-Sm-159
5

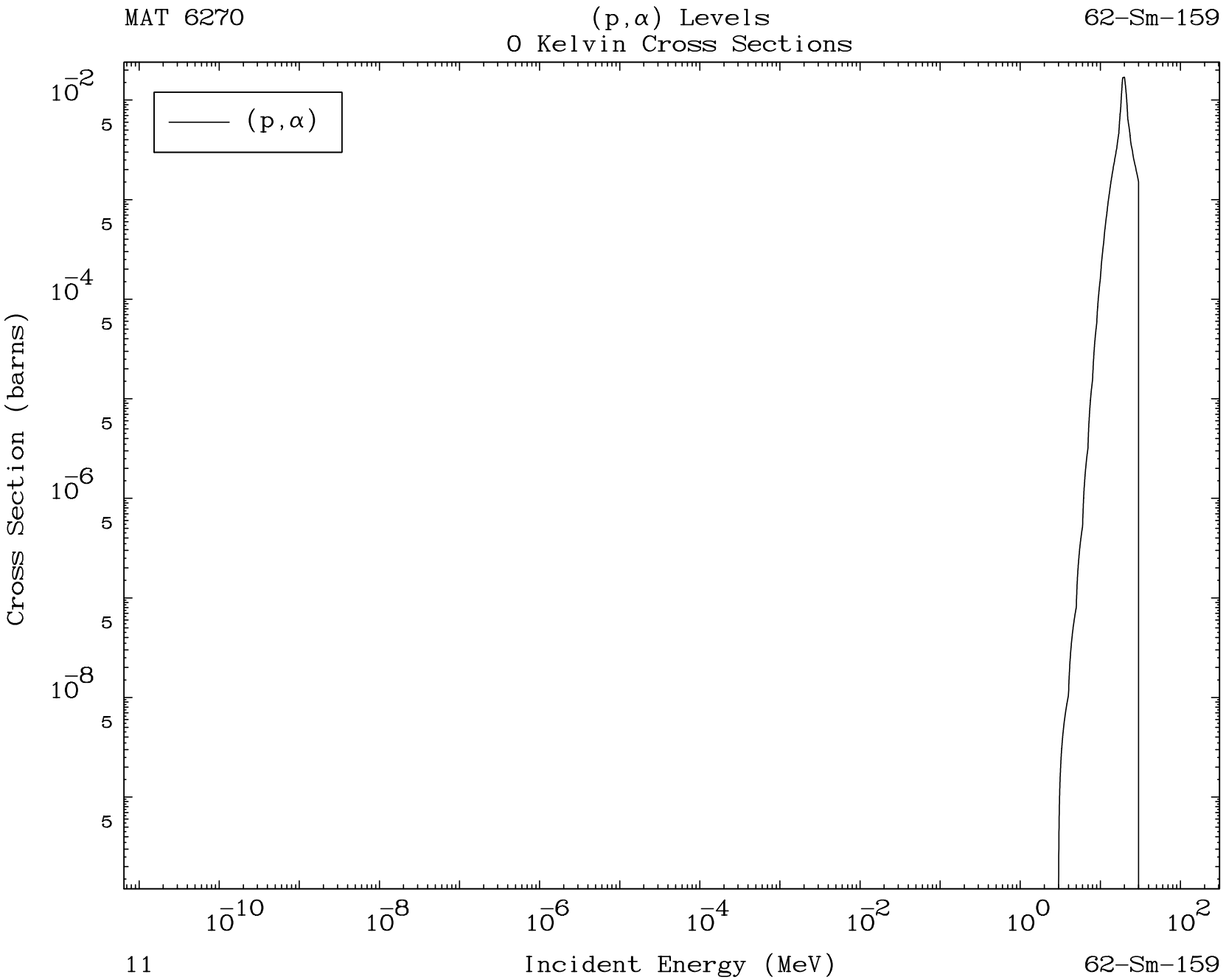

MAT 6270
(p,n') Level
62-Sm-159
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
100
102
Incident Energy (MeV)
6
62-Sm-159

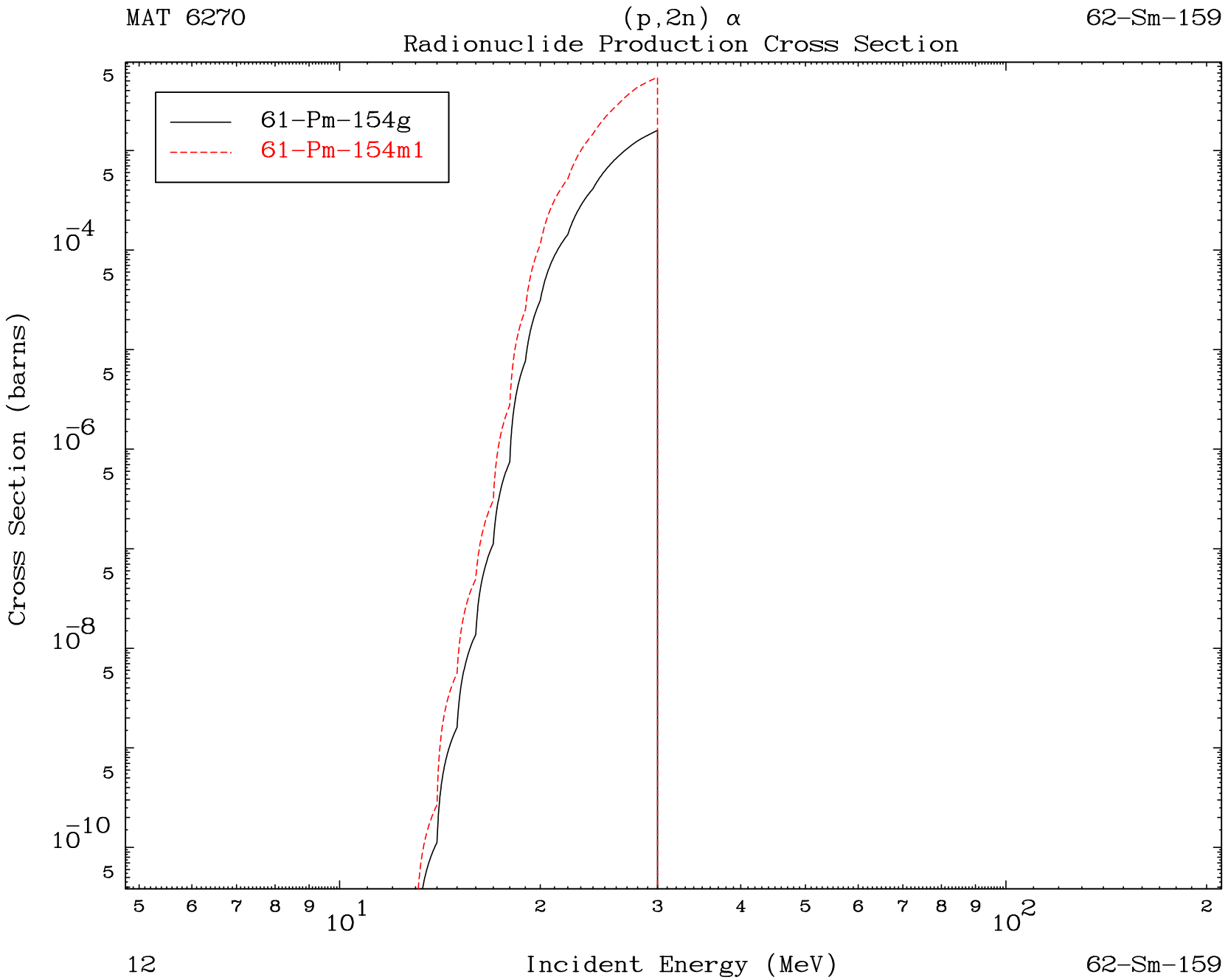

MAT 6270
(p,p) Levels
62-Sm-159
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
7
62-Sm-159

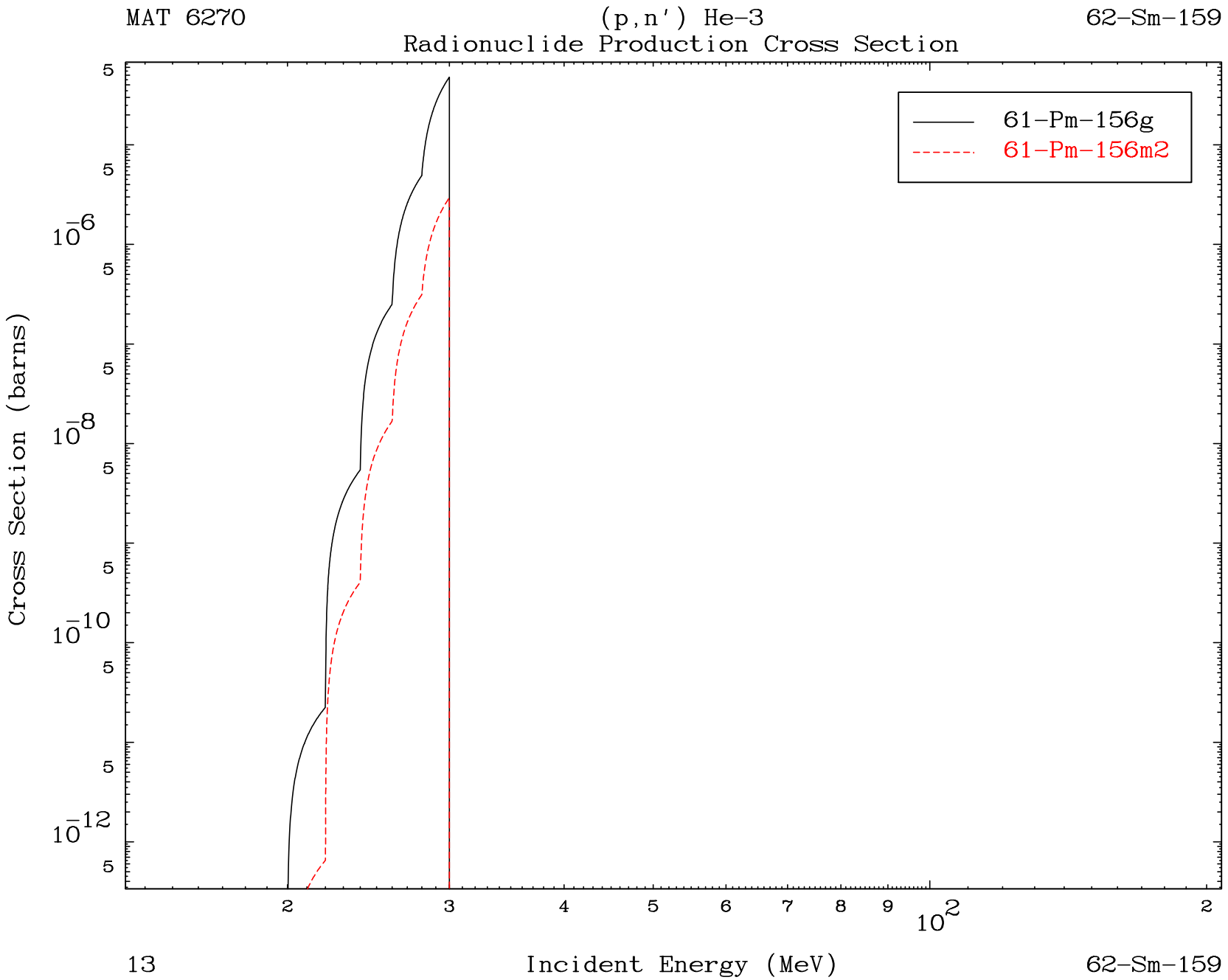

MAT 6270
(p,d) Levels
62-Sm-159
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
Incident Energy (MeV)
8
62-Sm-159

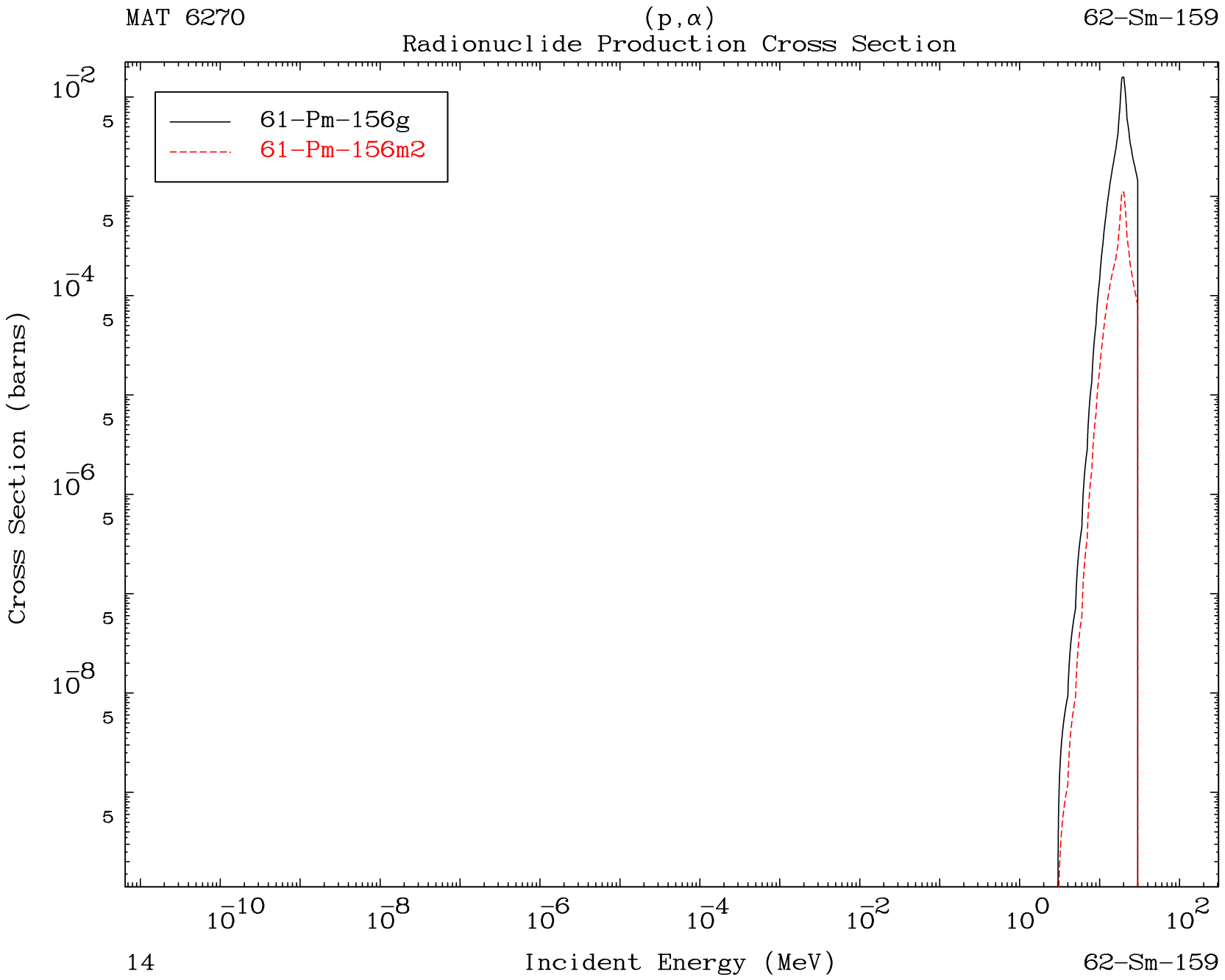

0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)


MAT 6270
(p,He3) Levels
62-Sm-159
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
Incident Energy (MeV)
62-Sm-159


MAT 6270
(p,α) Levels
62-Sm-159
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
11
62-Sm-159


MAT 6270
(p,2n) α
62-Sm-159
Radionuclide Production Cross Section
61-Pm-154g
61-Pm-154m1
Cross Section (barns)
Incident Energy (MeV)
12
62-Sm-159


MAT 6270
(p,n') He-3
62-Sm-159
Radionuclide Production Cross Section
61-Pm-156g
61-Pm-156m2
Cross Section (barns)
Incident Energy (MeV)
13
62-Sm-159


MAT 6270
(p,α)
62-Sm-159
Radionuclide Production Cross Section
61-Pm-156g
61-Pm-156m2
Cross Section (barns)
Incident Energy (MeV)
14
62-Sm-159