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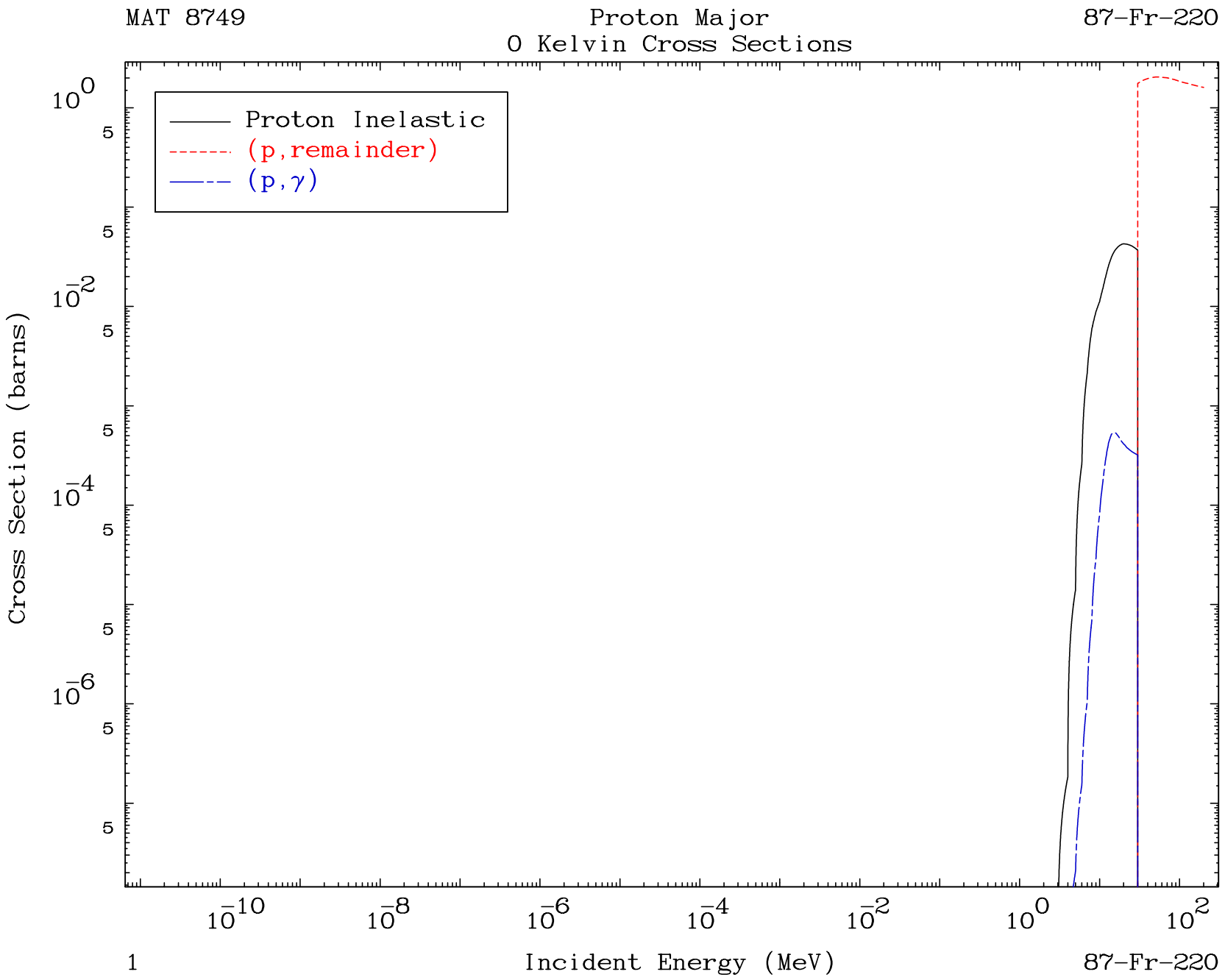
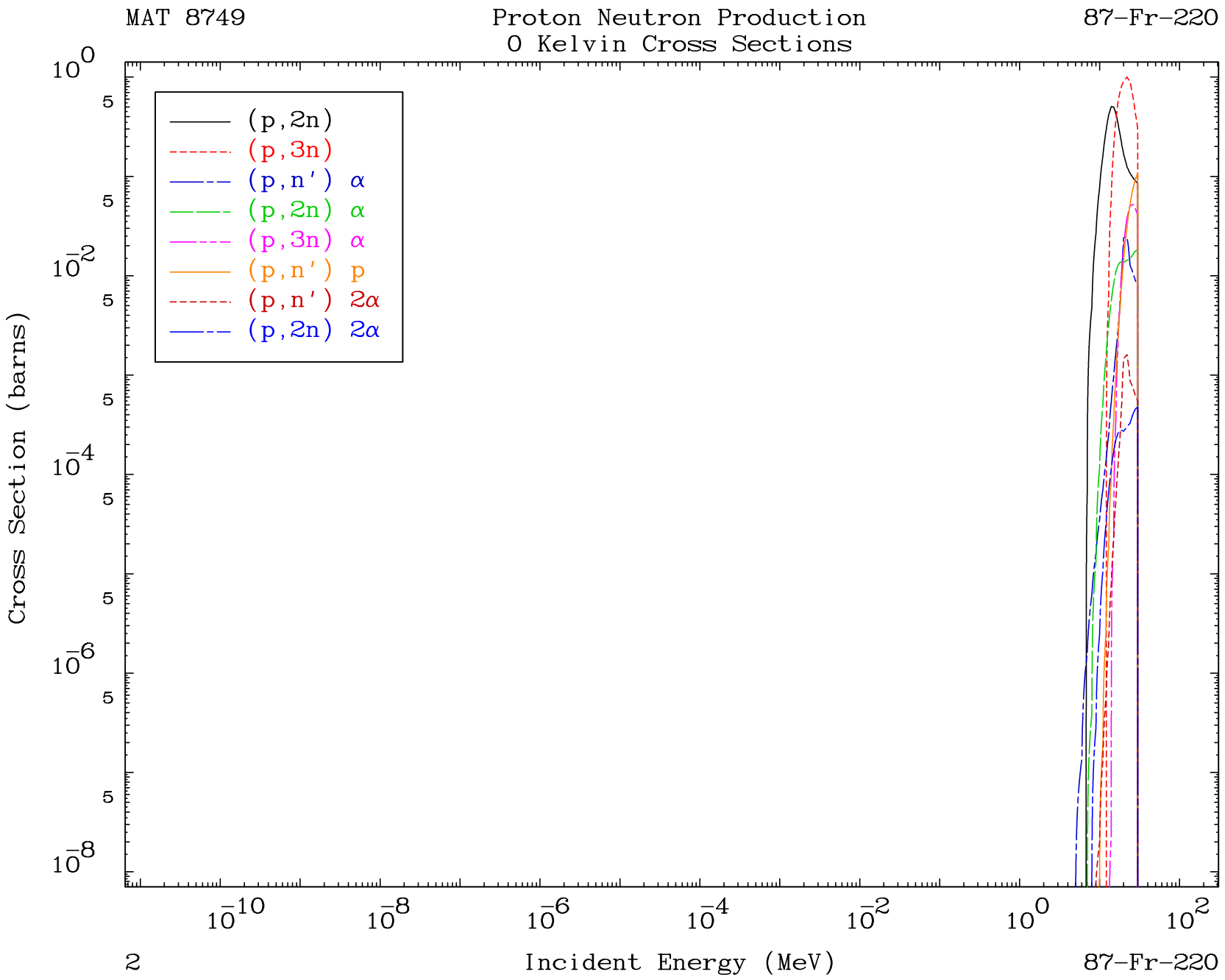
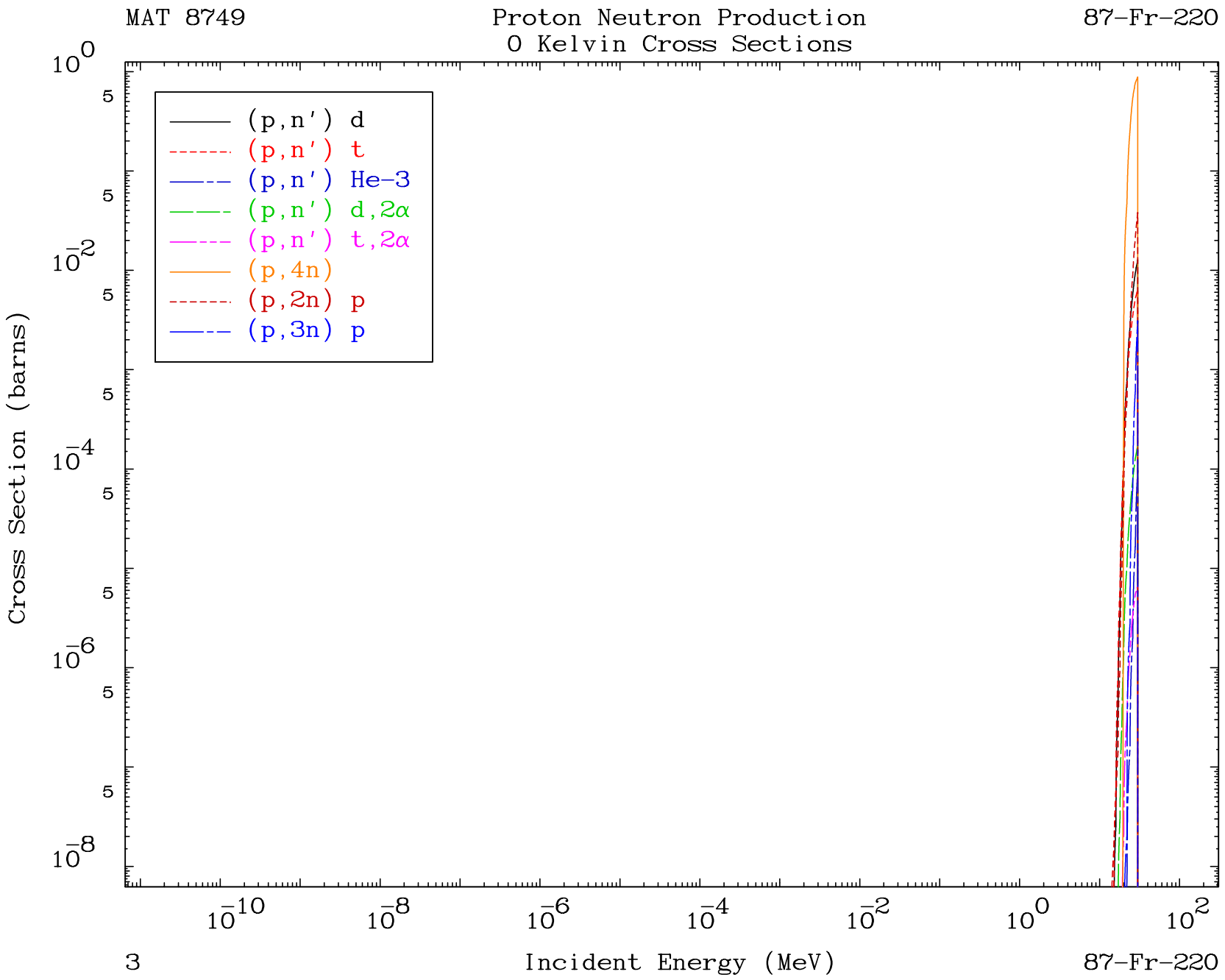
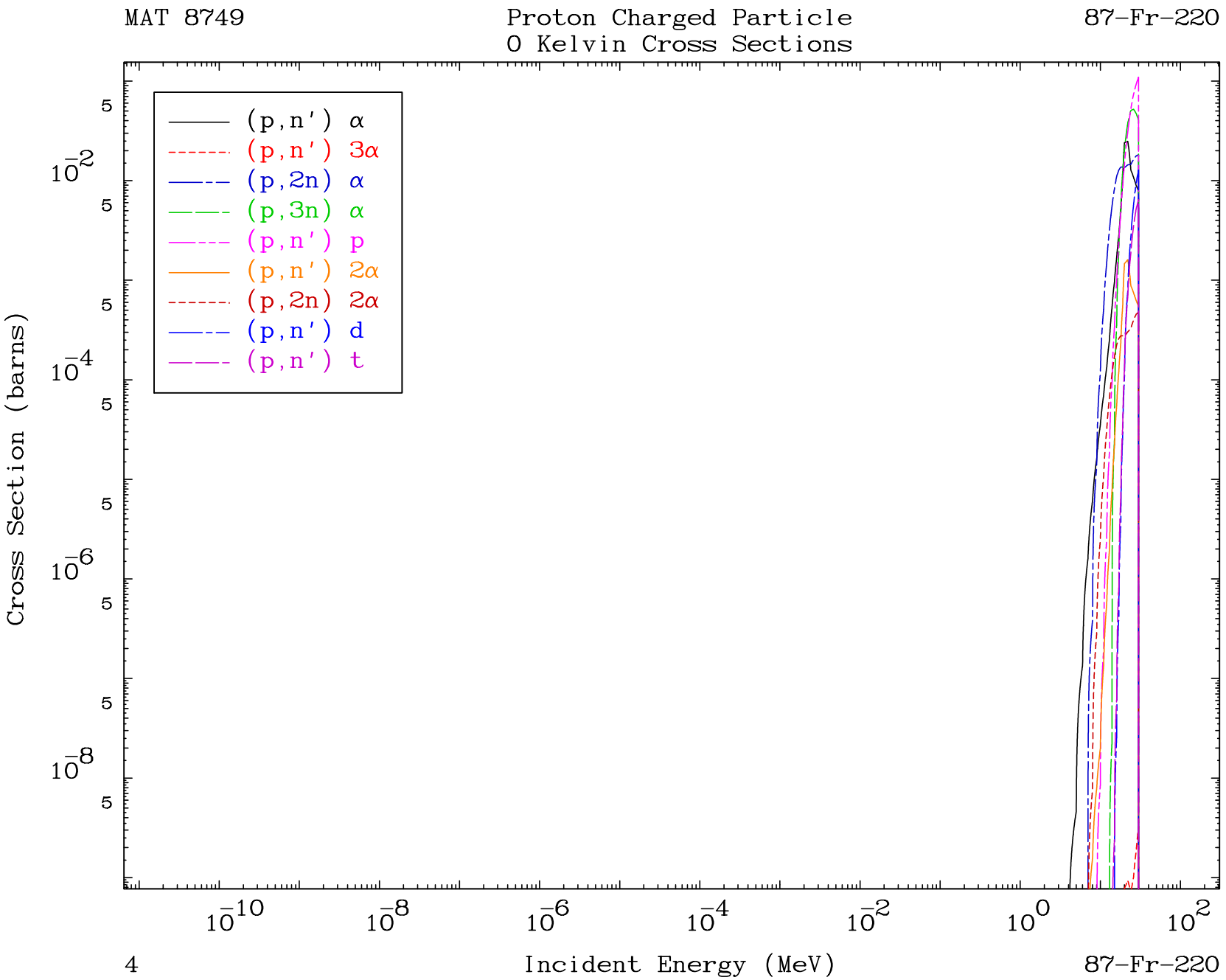
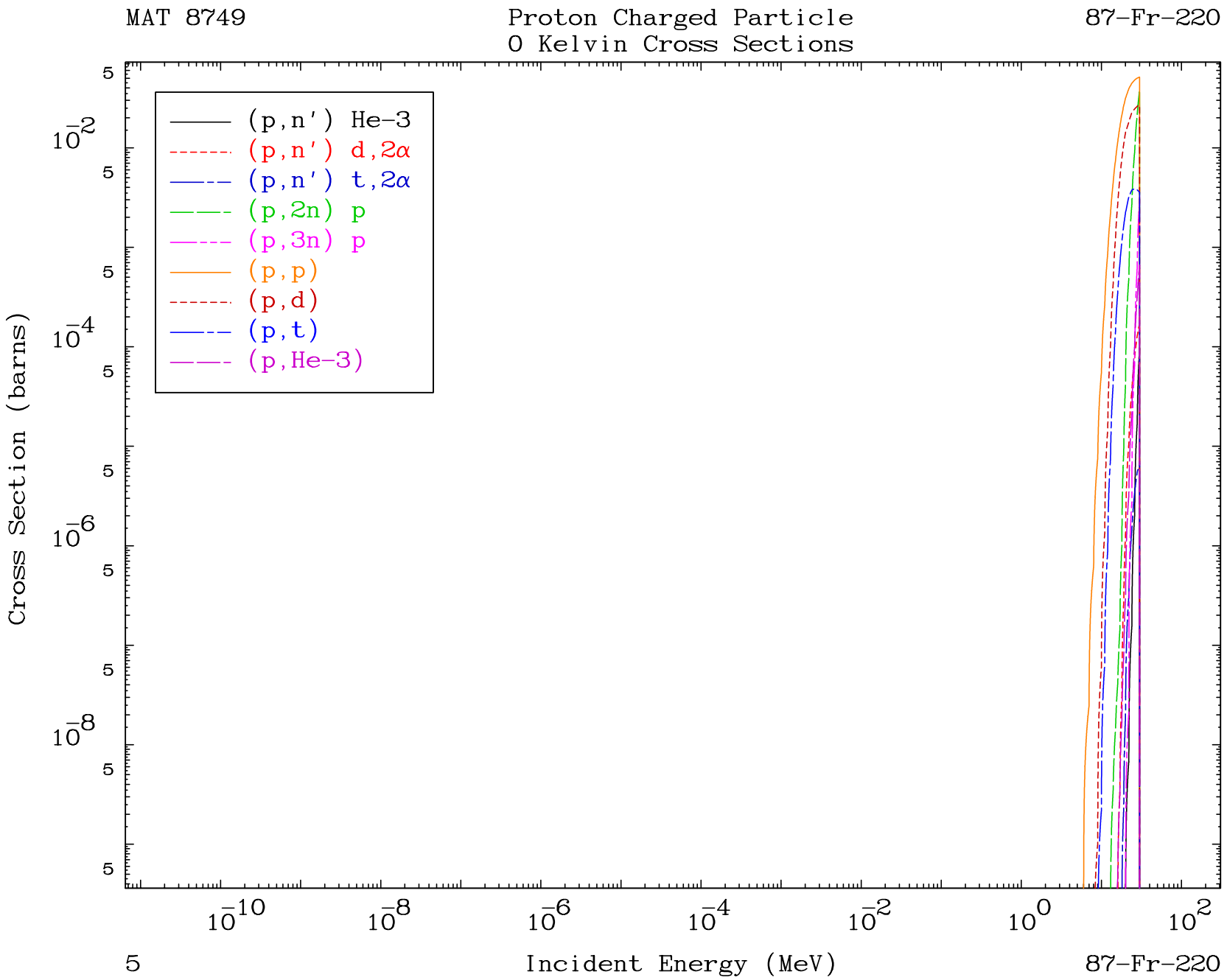
Press Mouse Button to Start

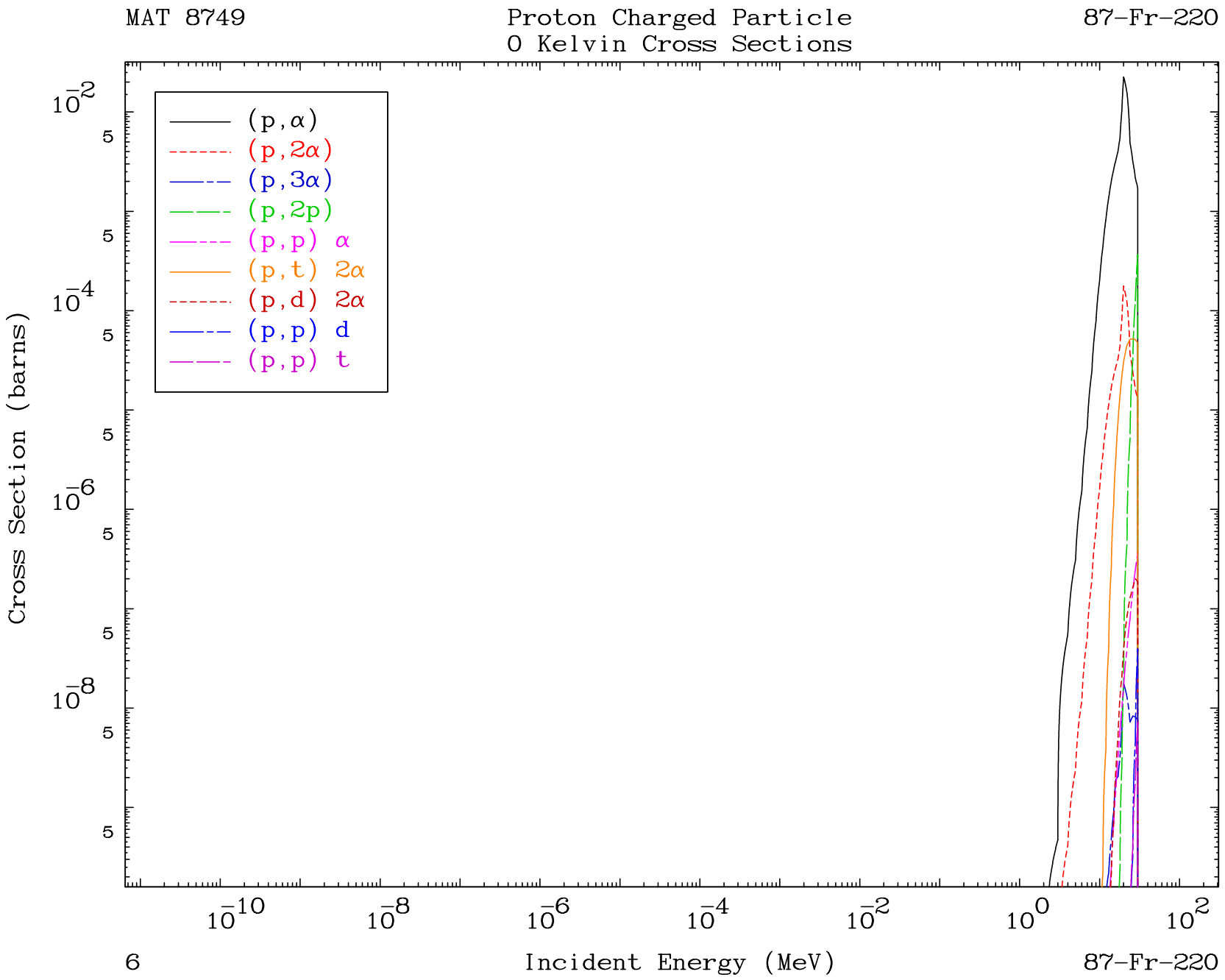

MAT 8749
Proton Major
87-Fr-220
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
87-Fr-220
1

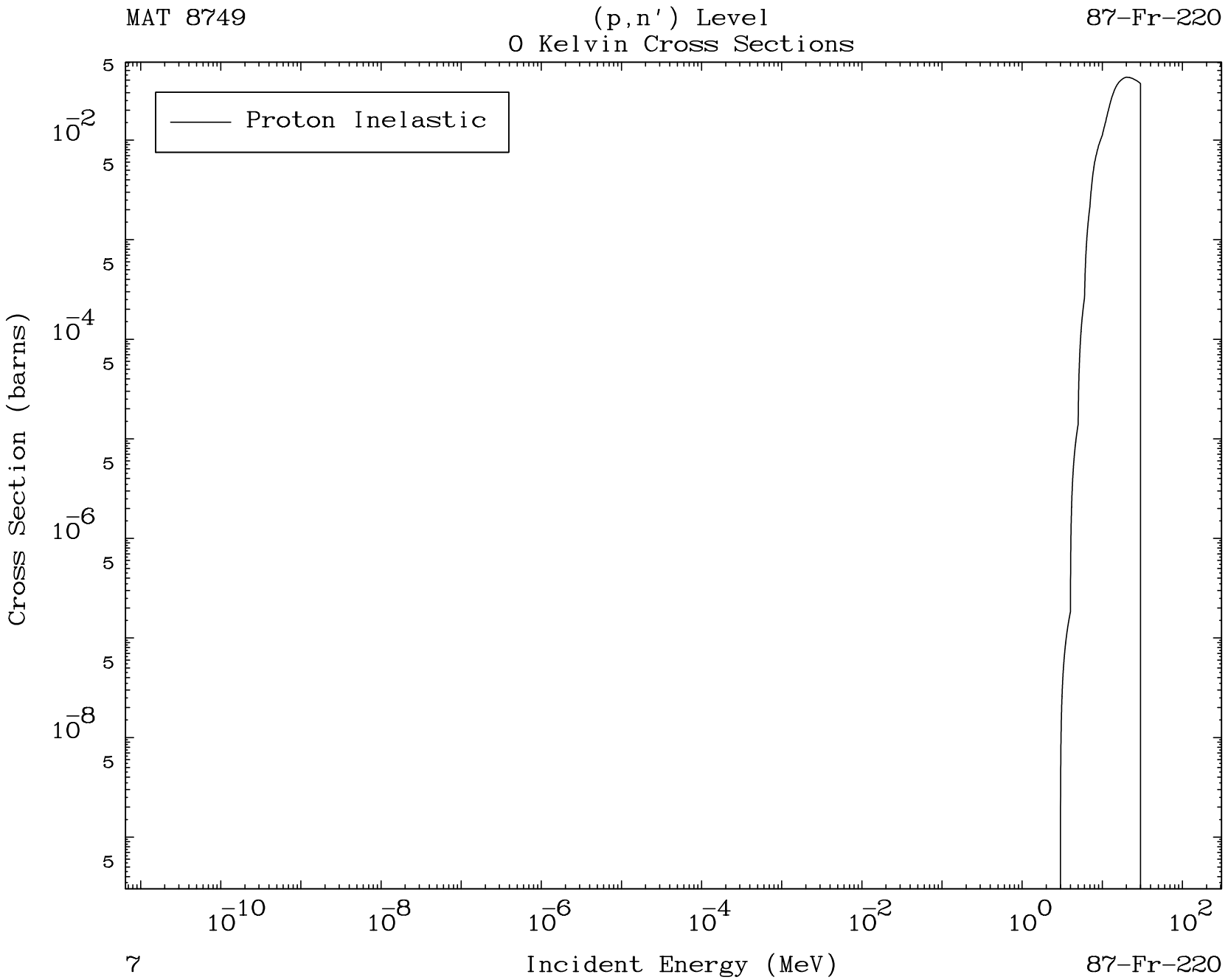

MAT 8749
Proton Neutron Production
0 Kelvin Cross Sections
87-Fr-220
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
(p,2n) 2α
Cross Section (barns)
Incident Energy (MeV)
2
87-Fr-220

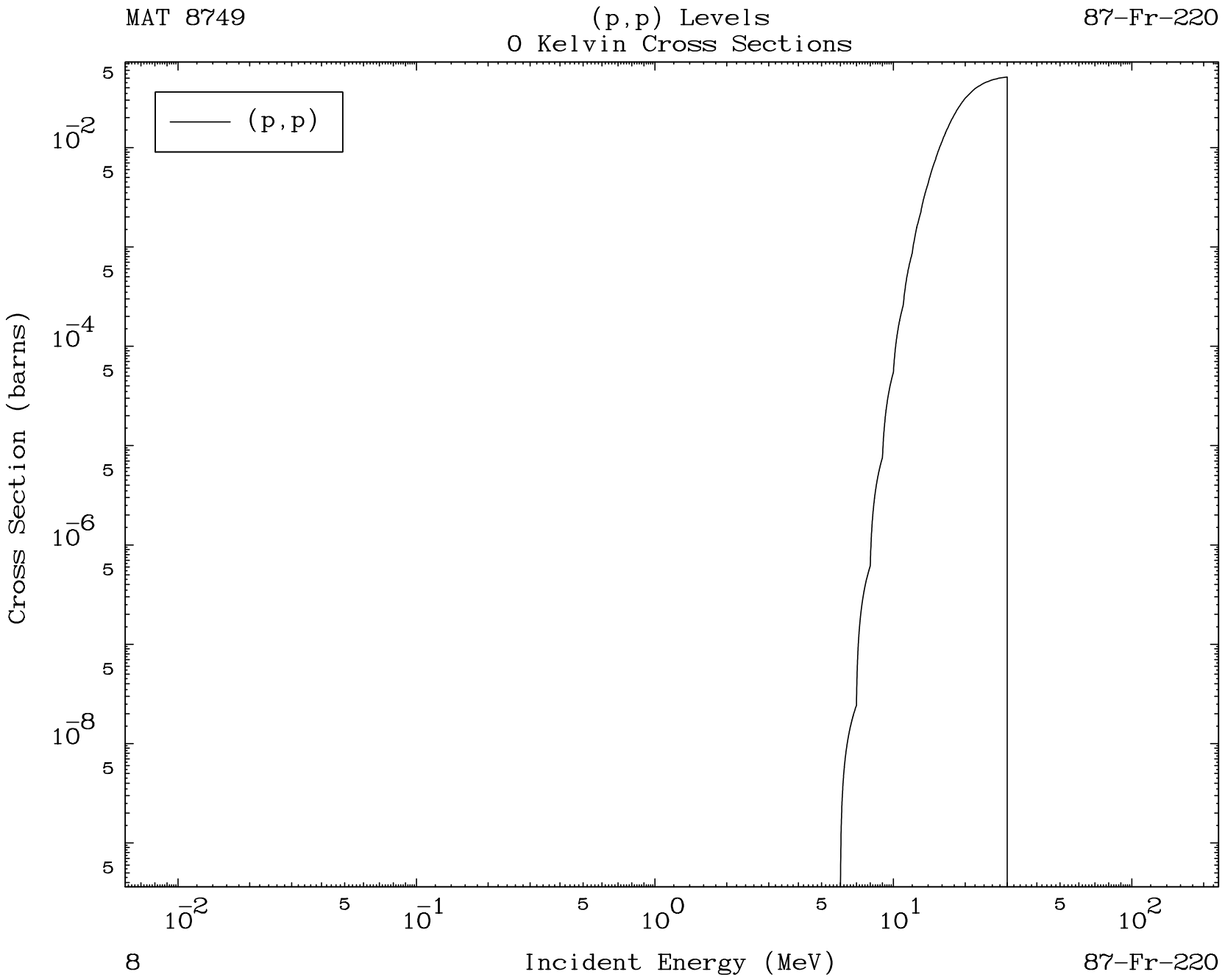

MAT 8749
Proton Neutron Production
0 Kelvin Cross Sections
87-Fr-220
(p,n') d
(p,n') t
(p,n') He-3
(p,n') d,2α
(p,n') t,2α
(p,4n)
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
87-Fr-220

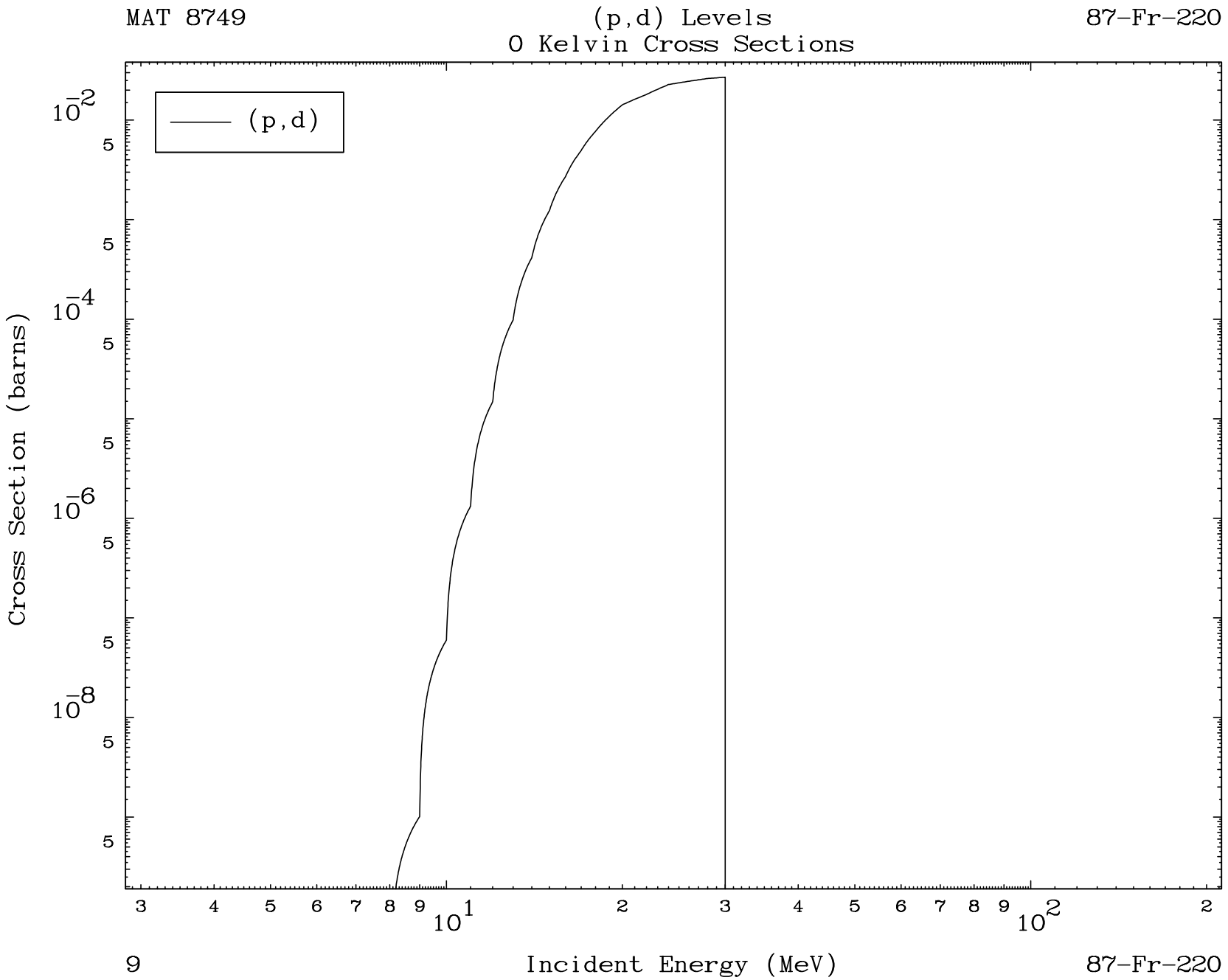

MAT 8749
Proton Charged Particle
0 Kelvin Cross Sections
87-Fr-220
(p,n') α
(p,n') 3α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
(p,2n) 2α
(p,n') d
(p,n') t
Cross Section (barns)
Incident Energy (MeV)
4
87-Fr-220

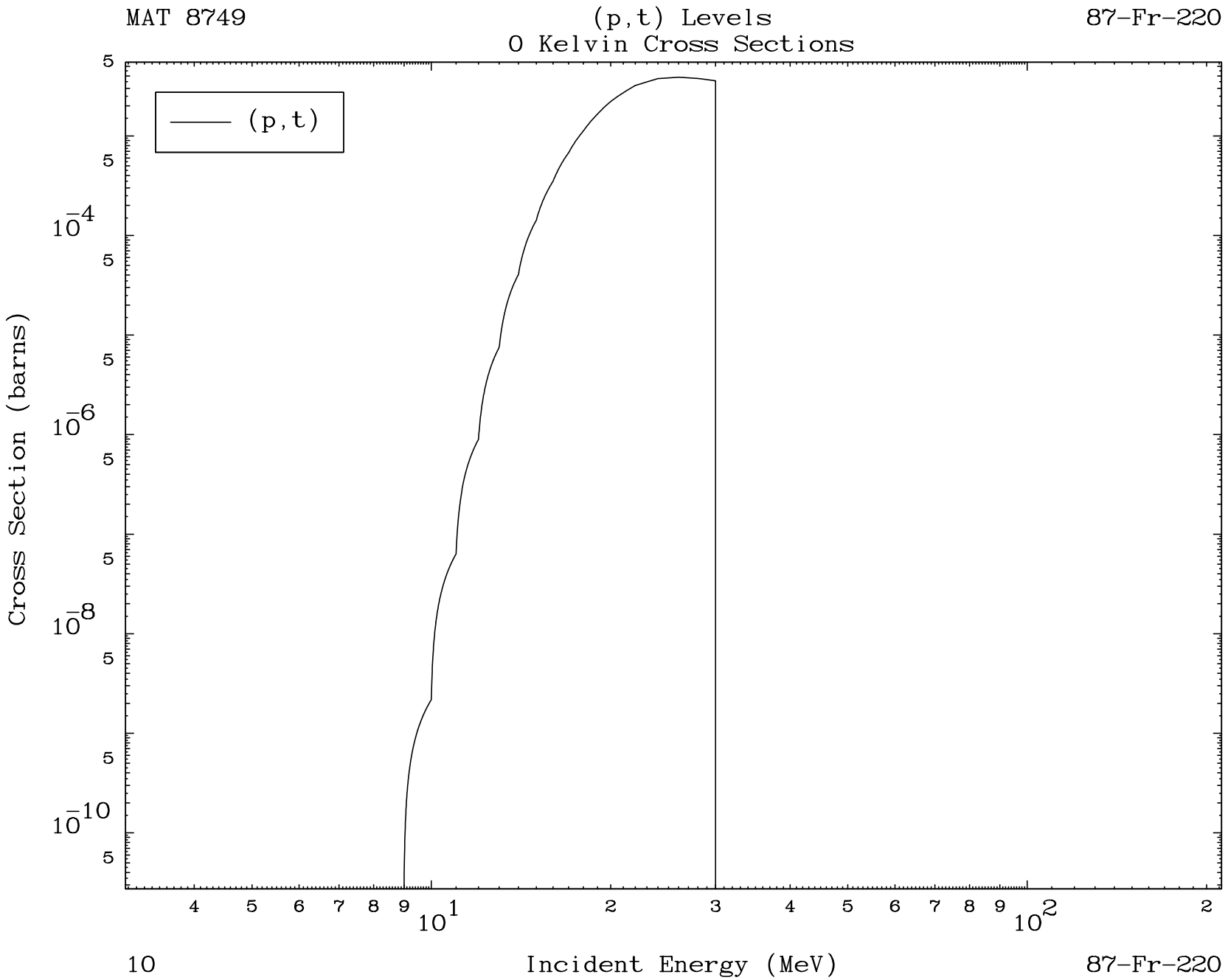

MAT 8749
Proton Charged Particle
0 Kelvin Cross Sections
87-Fr-220
(p,n') He-3
(p,n') d,2α
(p,n') t,2α
(p,2n) p
(p,3n) p
(p,p)
(p,d)
(p,t)
(p,He-3)
Cross Section (barns)
Incident Energy (MeV)
87-Fr-220

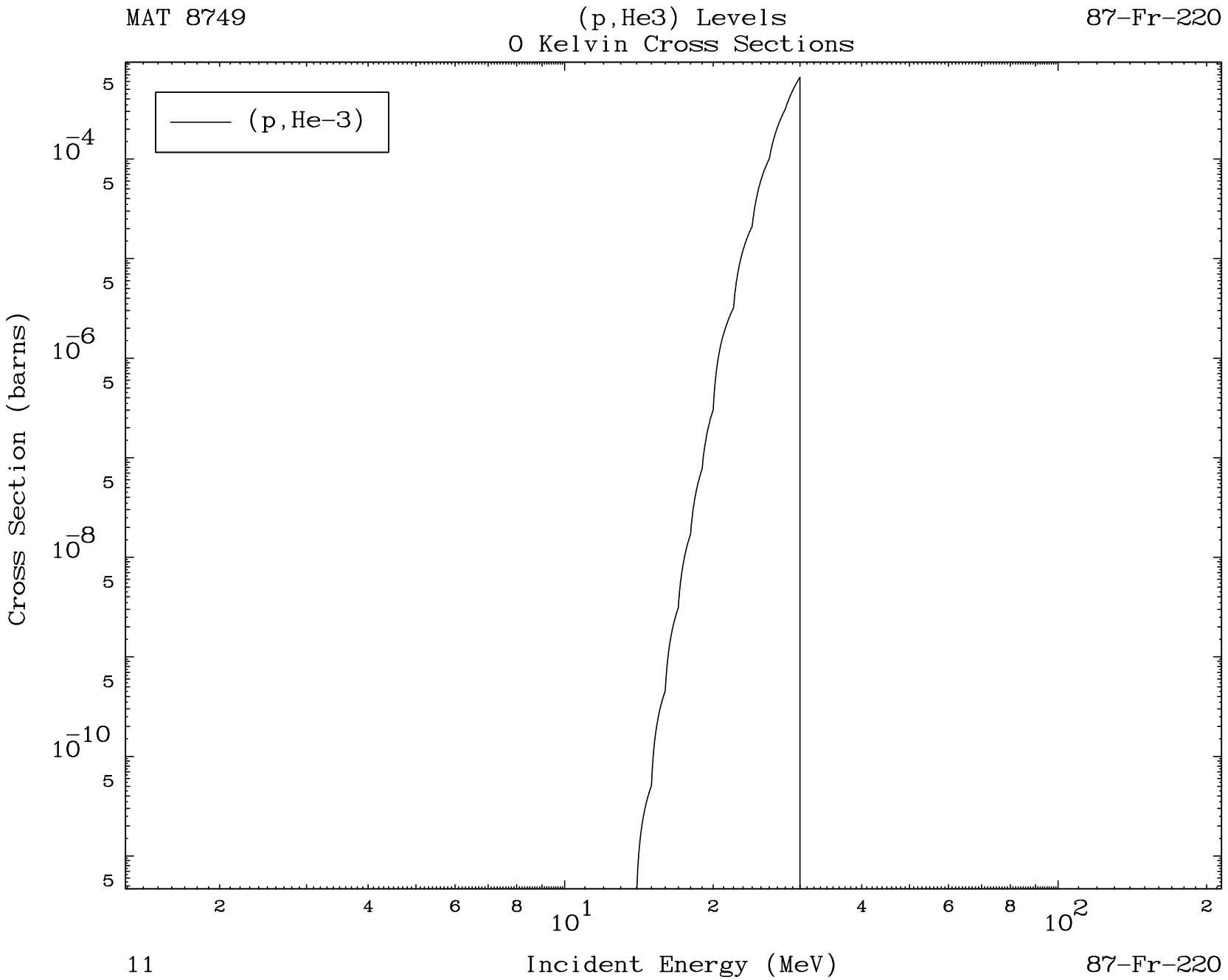

MAT 8749
Proton Charged Particle
0 Kelvin Cross Sections
87-Fr-220
(p,α)
(p,2α)
(p,3α)
(p,2p)
(p,p) α
(p,t) 2α
(p,d) 2α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
6
87-Fr-220

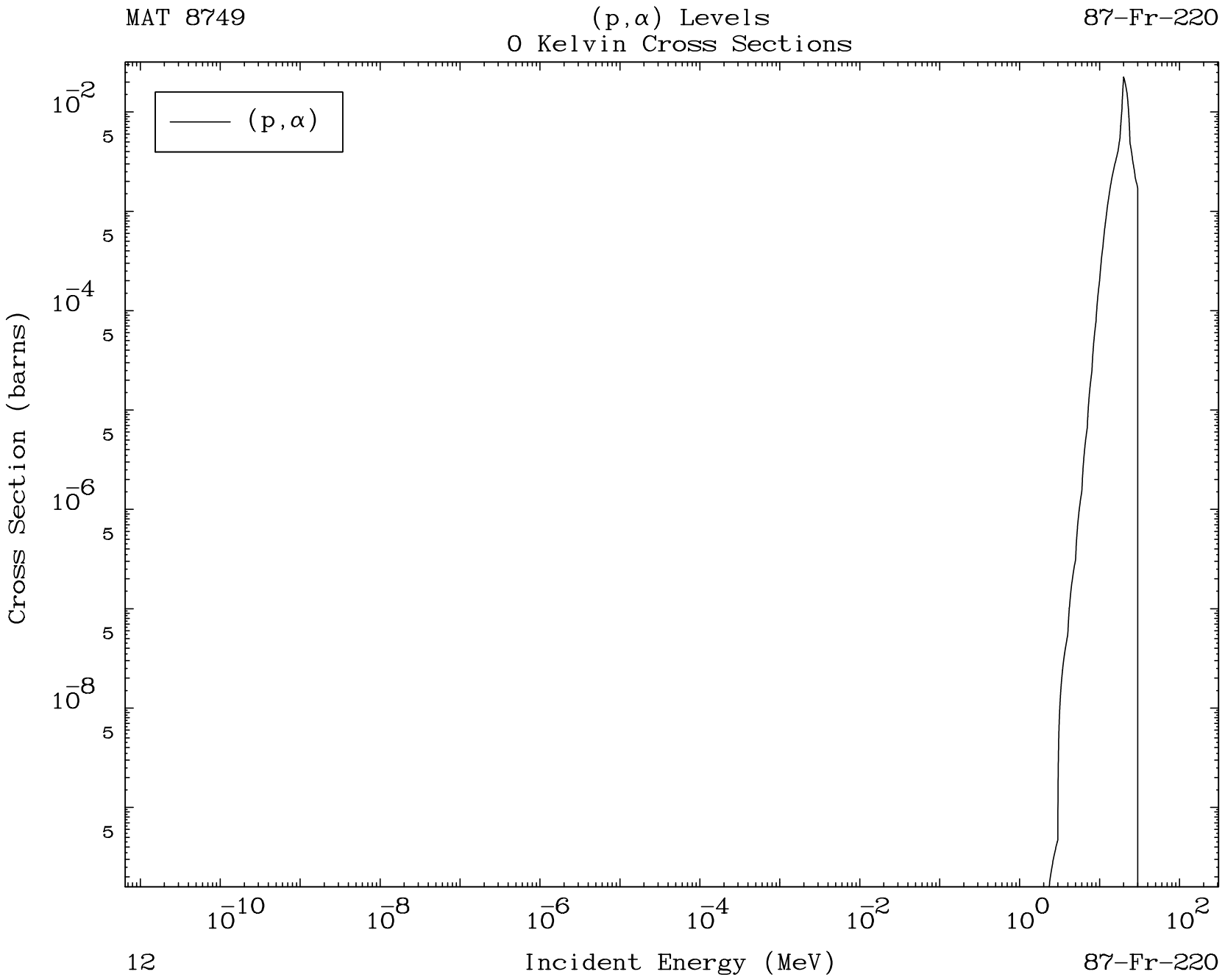

MAT 8749
(p,n') Level
87-Fr-220
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
Incident Energy (MeV)
7
87-Fr-220

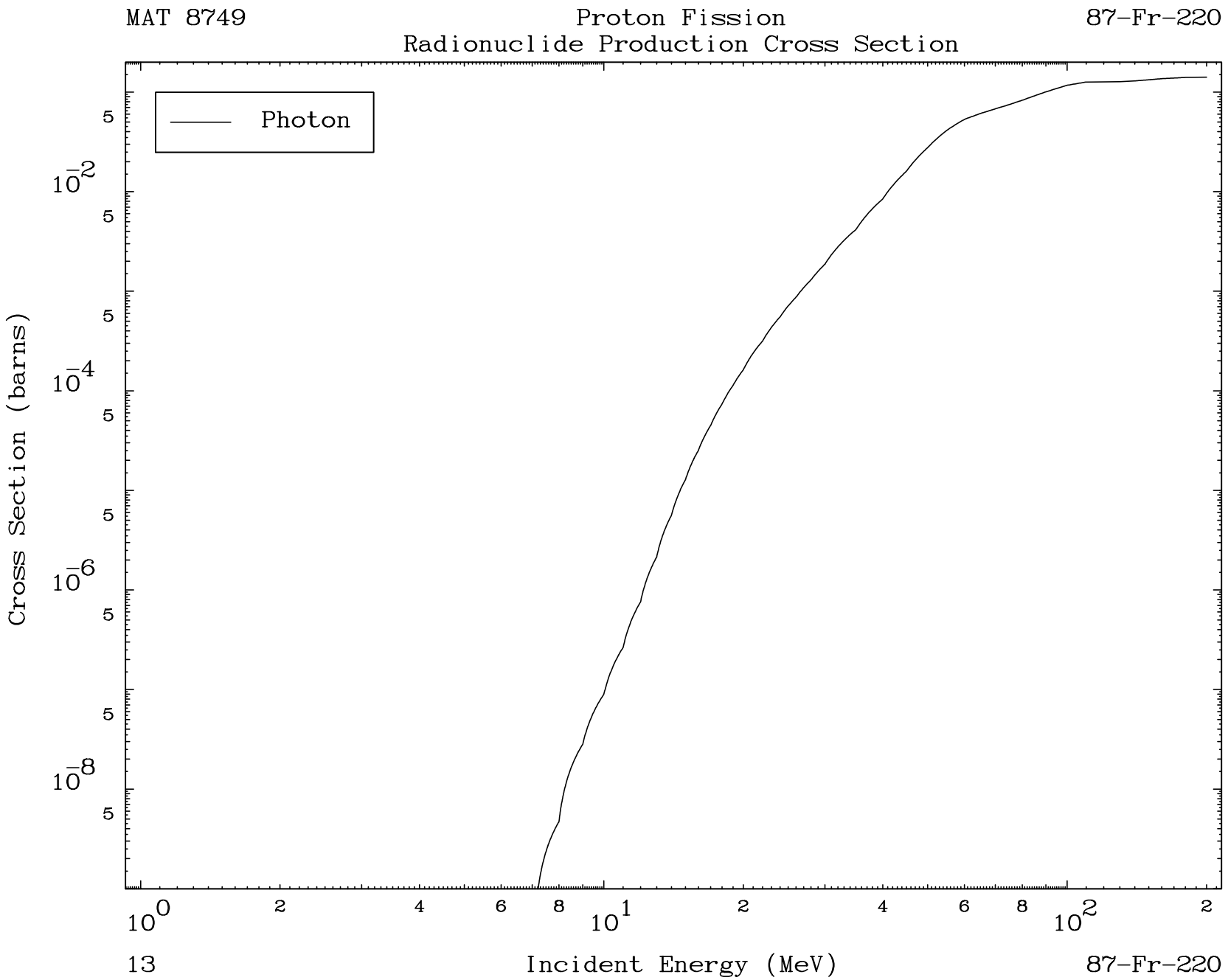

MAT 8749
(p,p) Levels
87-Fr-220
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
8
87-Fr-220

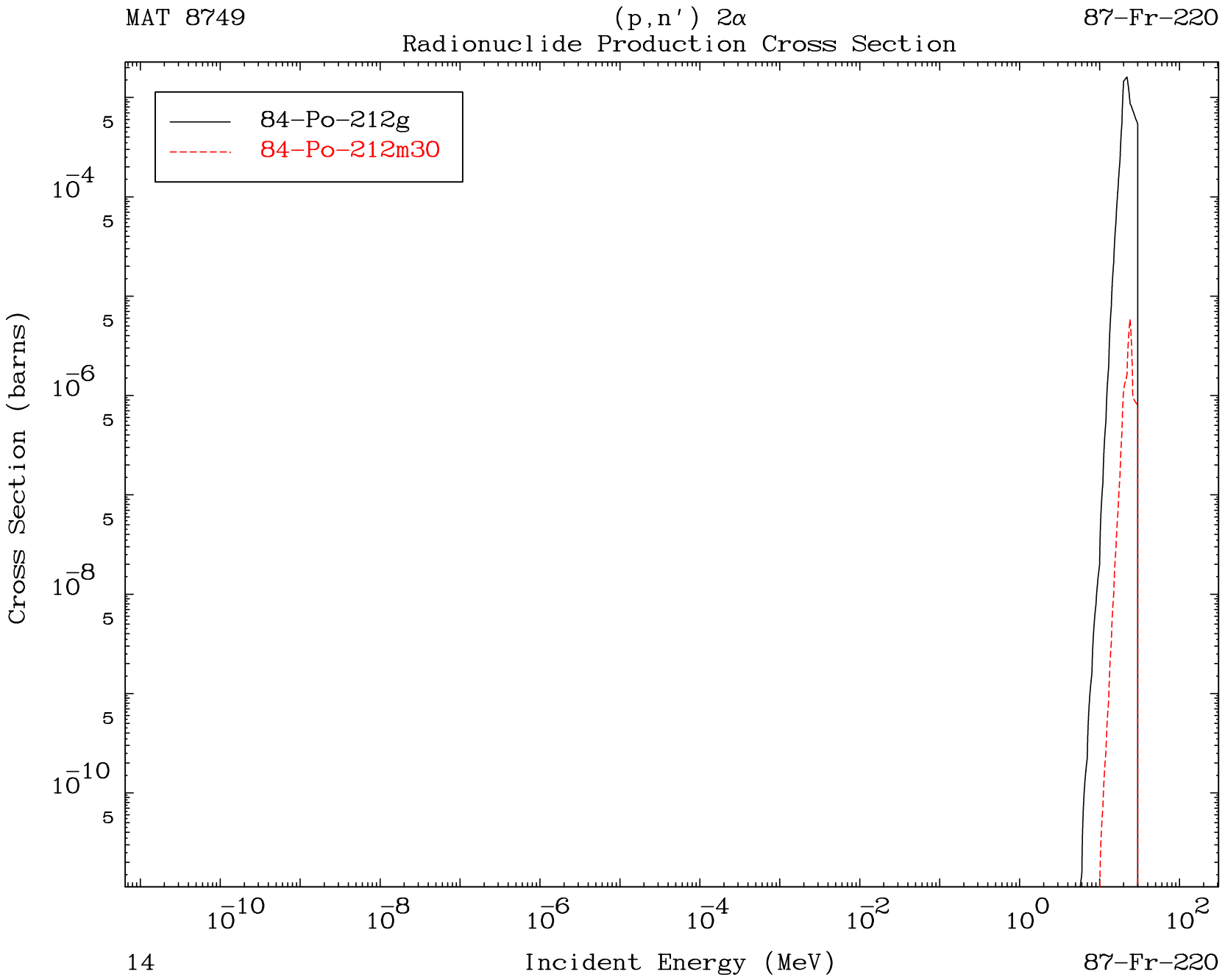

MAT 8749
(p,d) Levels
87-Fr-220
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
Incident Energy (MeV)
9
87-Fr-220

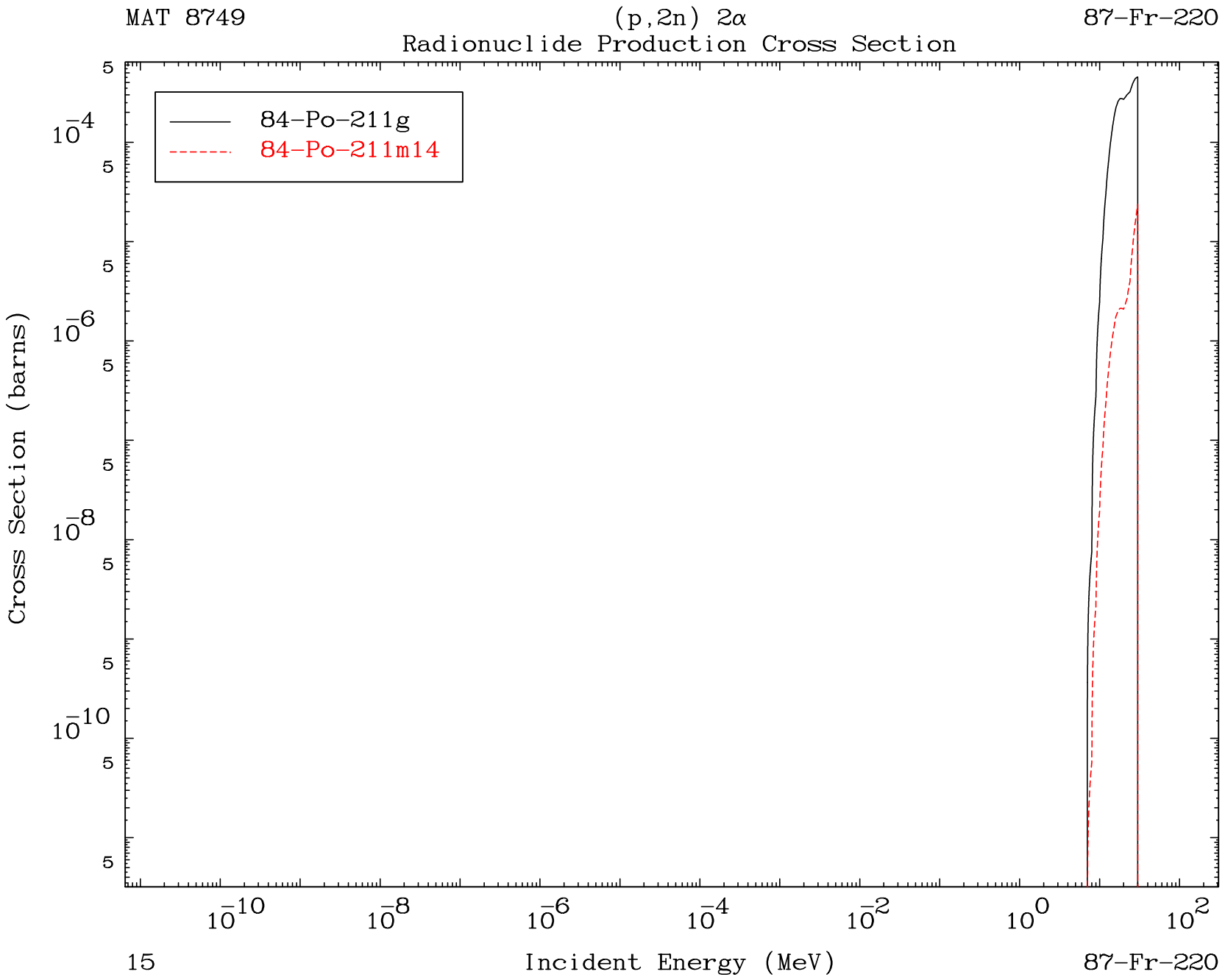

MAT 8749
(p,t) Levels
87-Fr-220
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
Incident Energy (MeV)
10
87-Fr-220

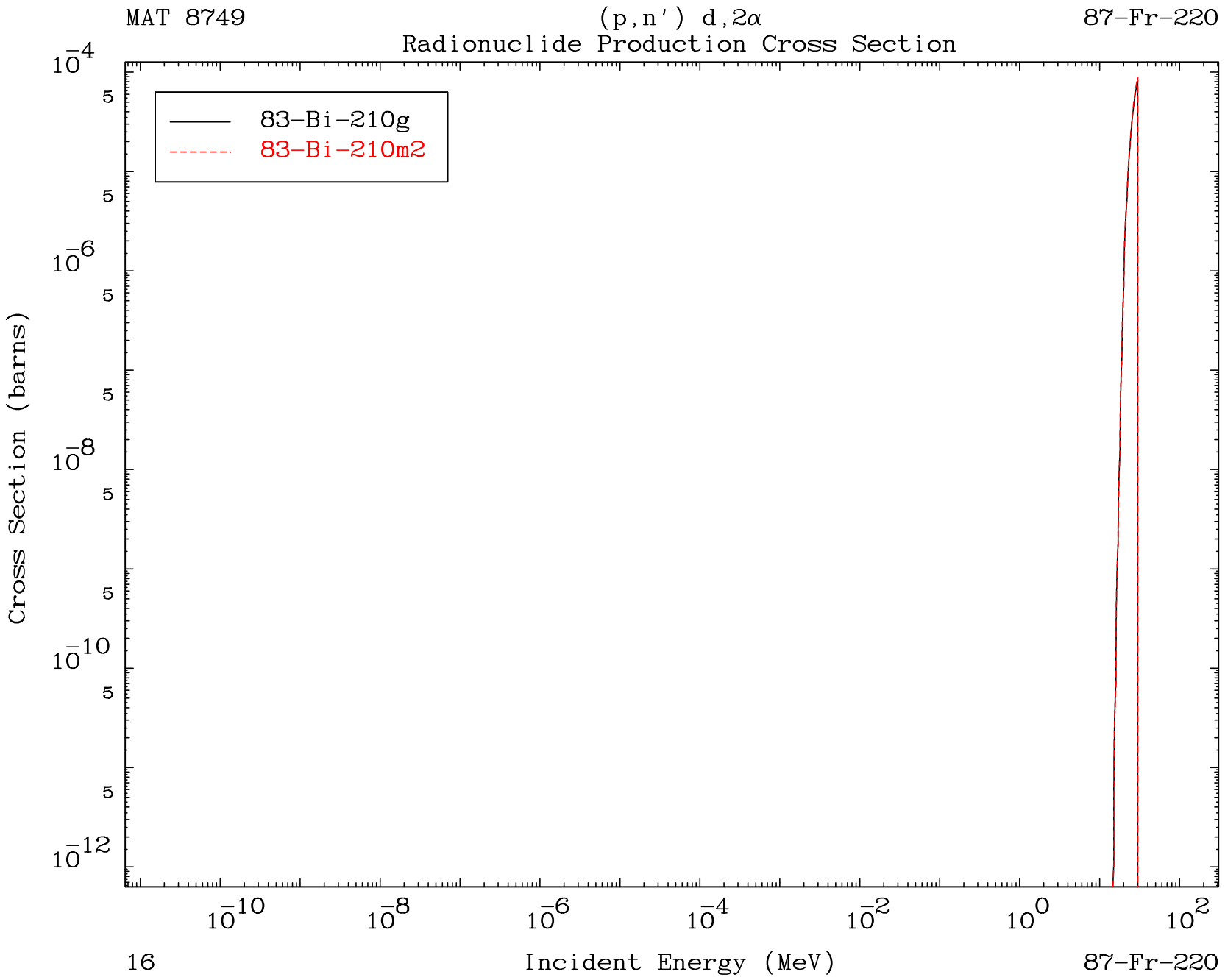

MAT 8749
(p,He3) Levels
87-Fr-220
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
11
87-Fr-220

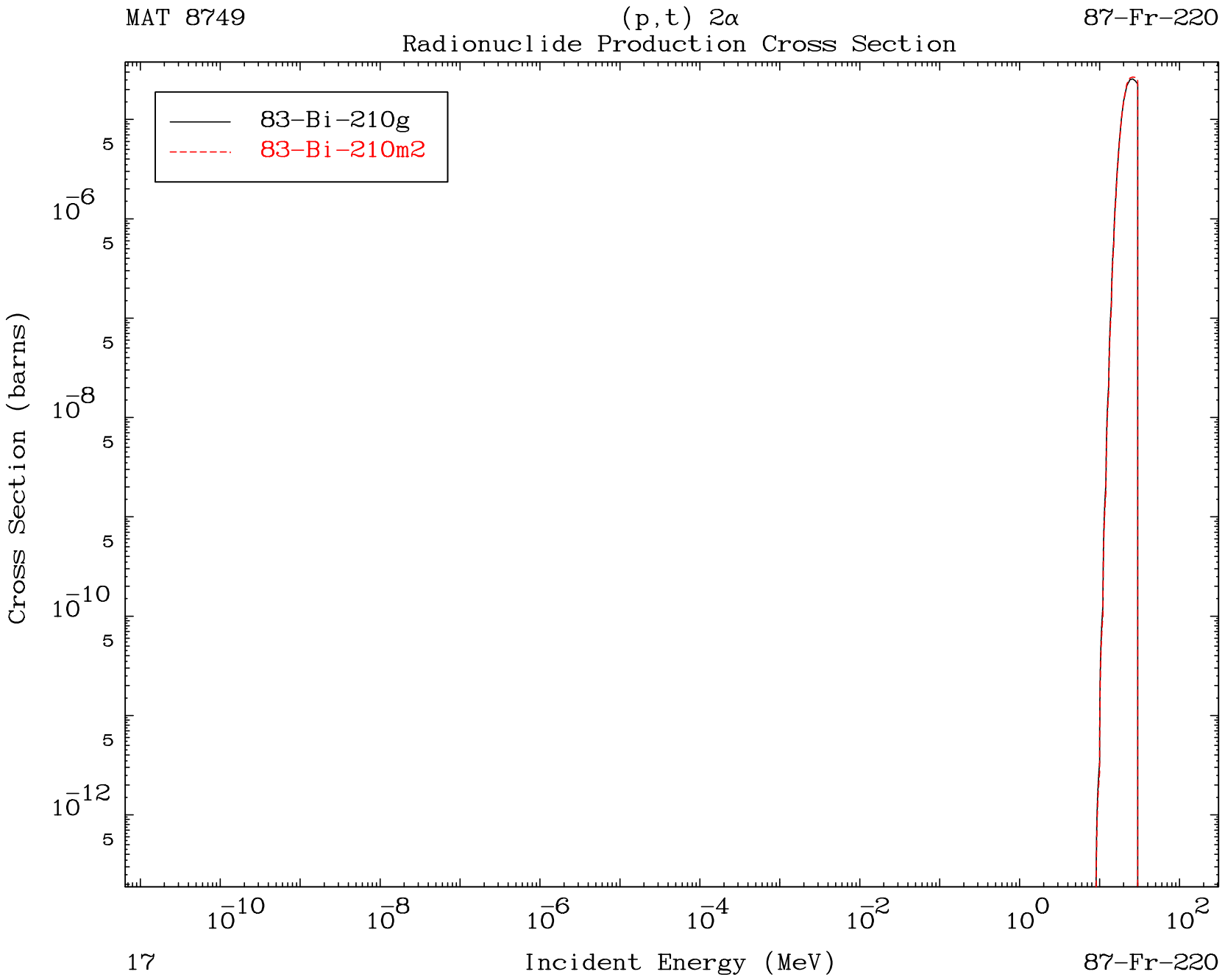

MAT 8749
(p,α) Levels
87-Fr-220
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
12
87-Fr-220


MAT 8749
Proton Fission
87-Fr-220
Radionuclide Production Cross Section
Photon
Cross Section (barns)
10-2
10-4
10-6
10-8
5
100
2
4
6
8
101
102
13
Incident Energy (MeV)
87-Fr-220


MAT 8749
(p,n') 2α
87-Fr-220
Radionuclide Production Cross Section
84-Po-212g
84-Po-212m30
Cross Section (barns)
Incident Energy (MeV)
14
87-Fr-220


MAT 8749
(p,2n) 2α
87-Fr-220
Radionuclide Production Cross Section
84-Po-211g
84-Po-211m14
Cross Section (barns)
Incident Energy (MeV)
15
87-Fr-220


MAT 8749
(p,n') d,2α
87-Fr-220
Radionuclide Production Cross Section
83-Bi-210g
83-Bi-210m2
Cross Section (barns)
Incident Energy (MeV)
16
87-Fr-220


MAT 8749
(p,t) 2α
87-Fr-220
Radionuclide Production Cross Section
83-Bi-210g
83-Bi-210m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
17
Incident Energy (MeV)
87-Fr-220