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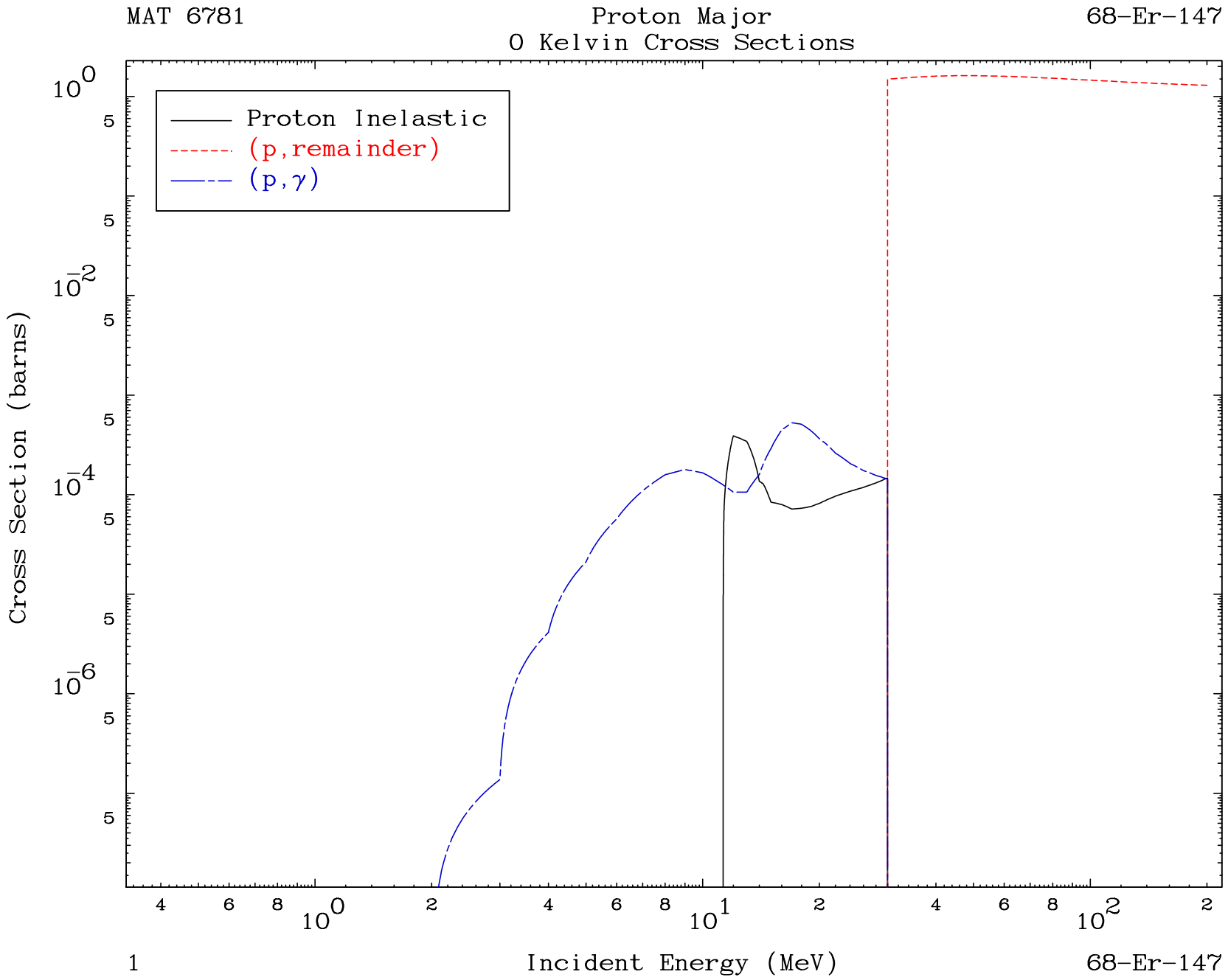
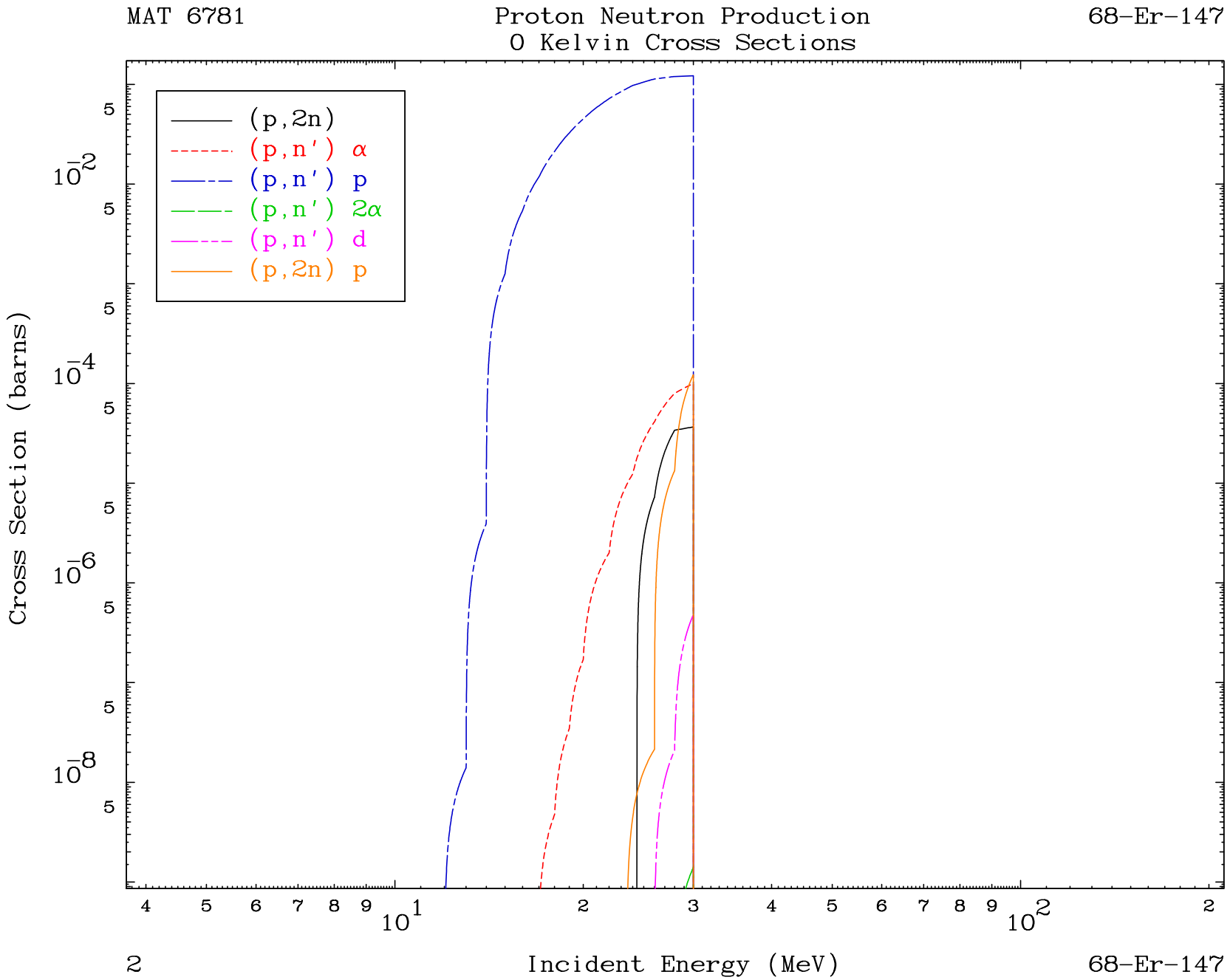
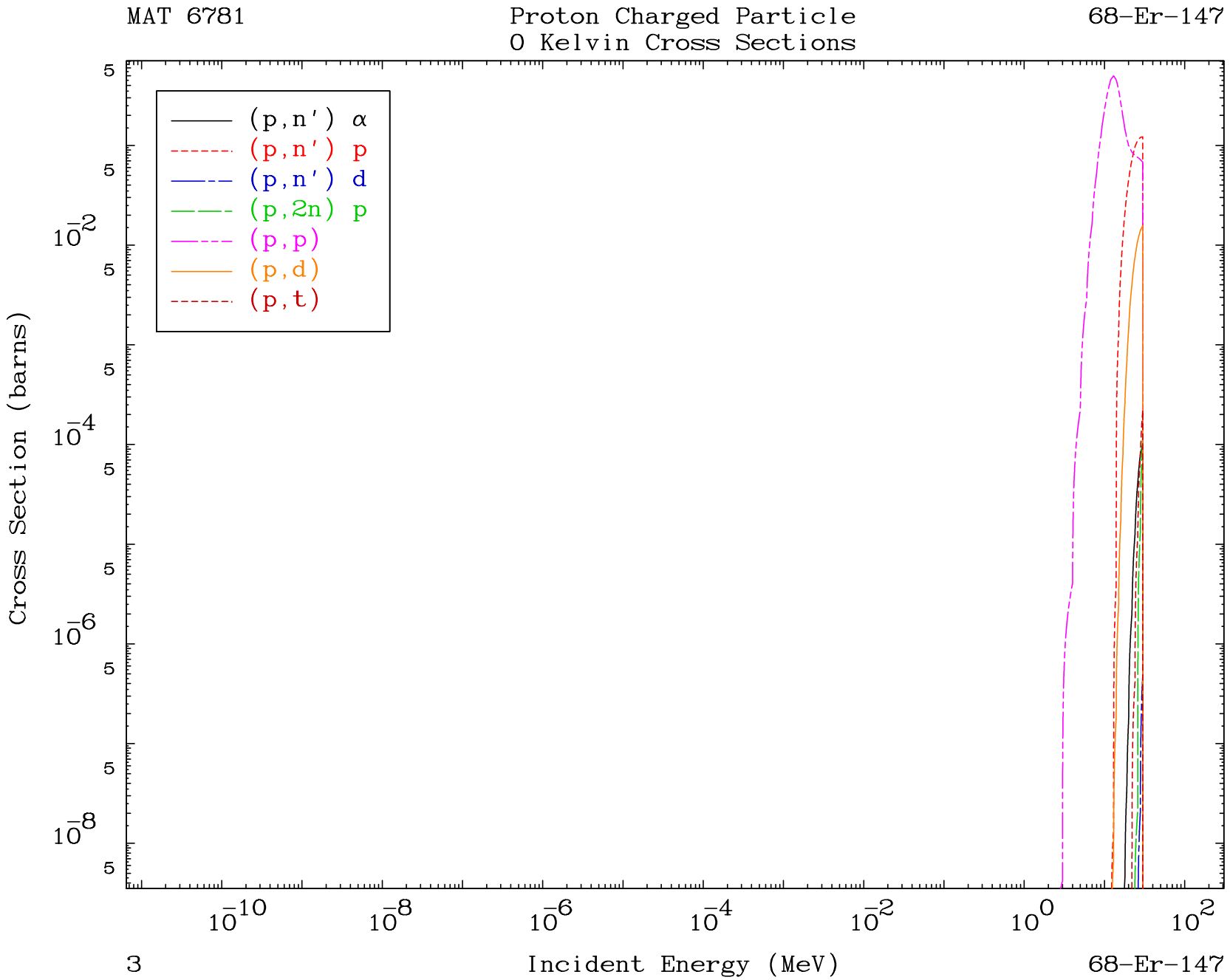
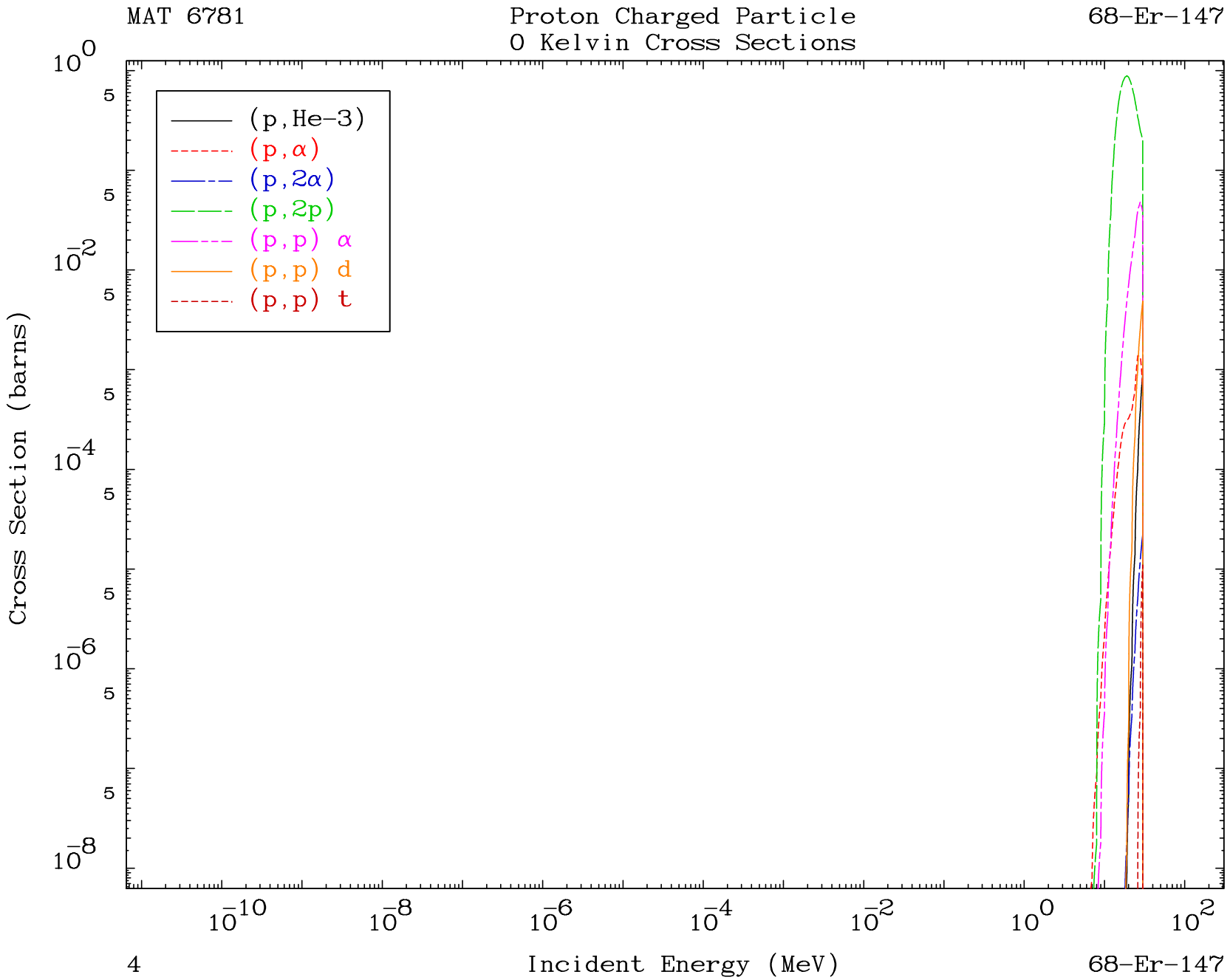
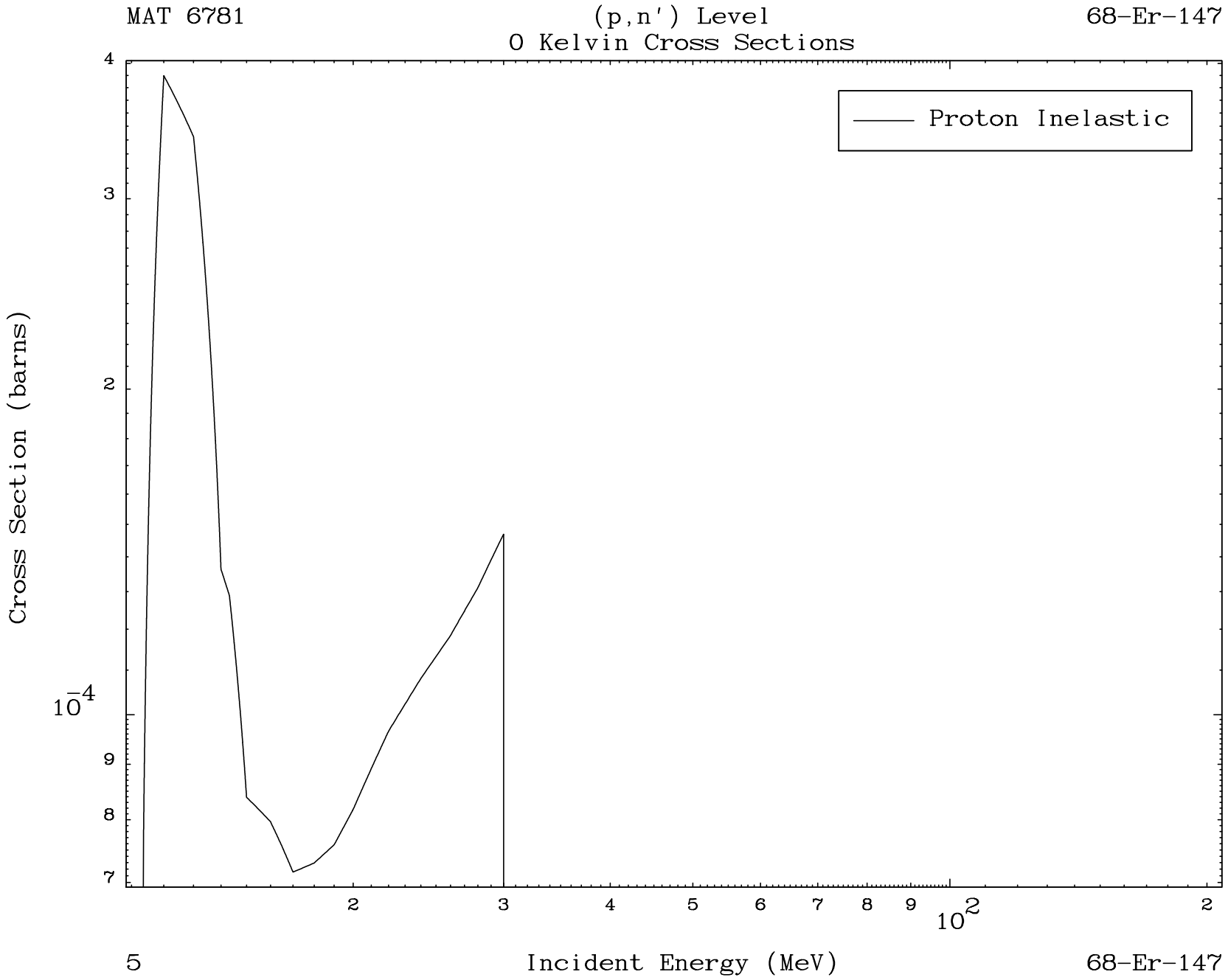
Press Mouse Button to Start

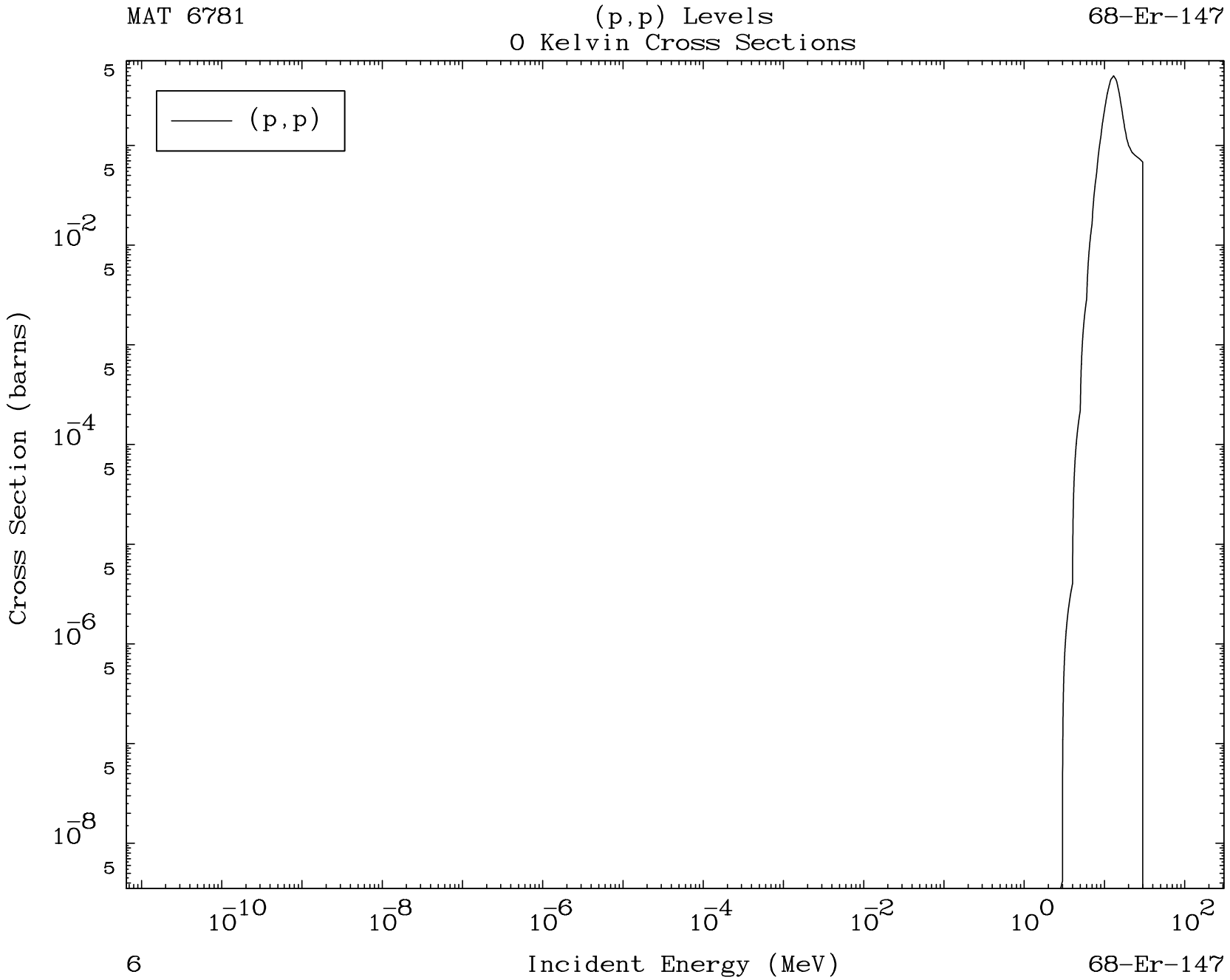

MAT 6781
Proton Major
68-Er-147
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
68-Er-147

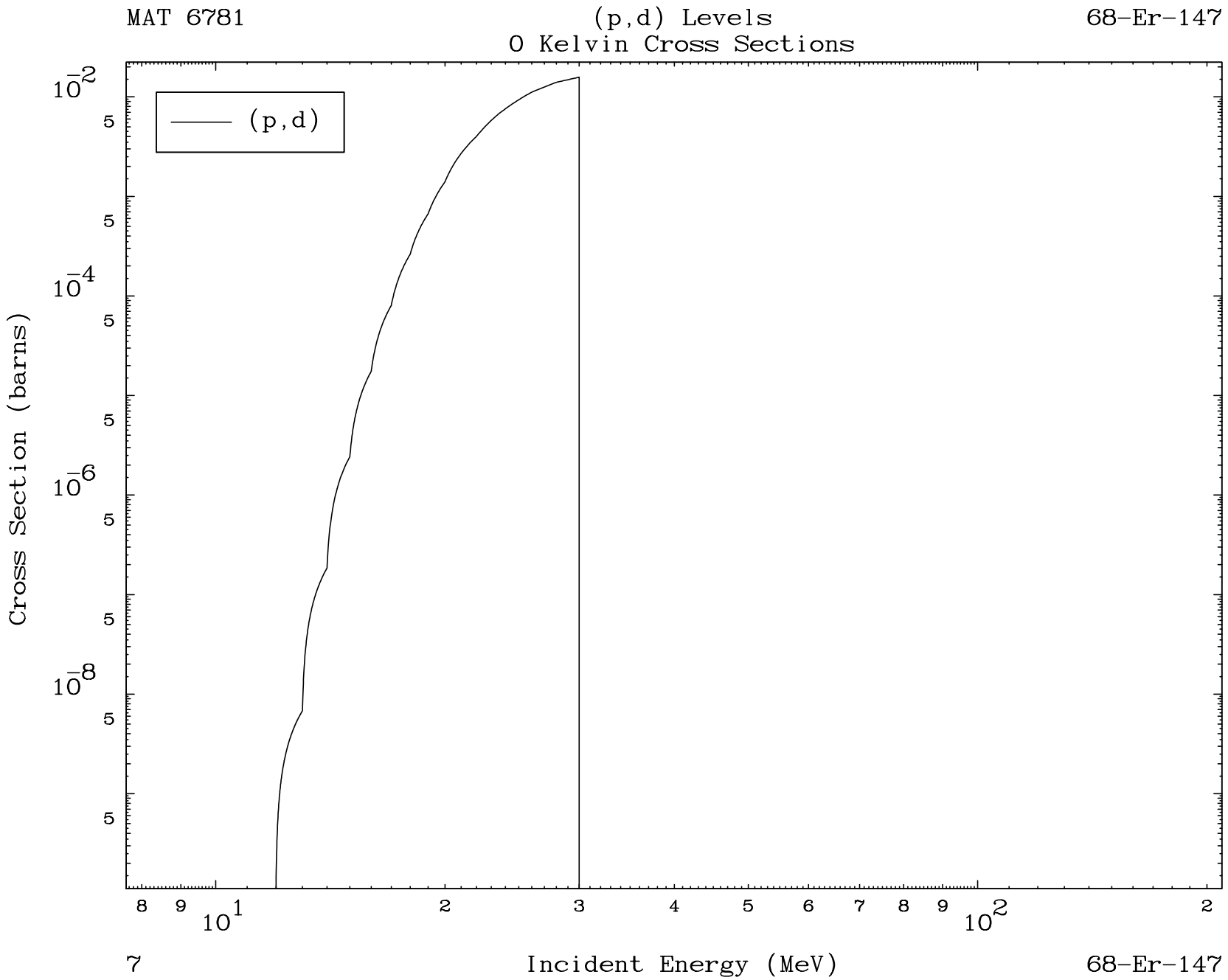

MAT 6781
Proton Neutron Production
0 Kelvin Cross Sections
68-Er-147
(p,2n)
(p,n') α
(p,n') p
(p,n') 2α
(p,n') d
(p,2n) p
Cross Section (barns)
Incident Energy (MeV)
68-Er-147

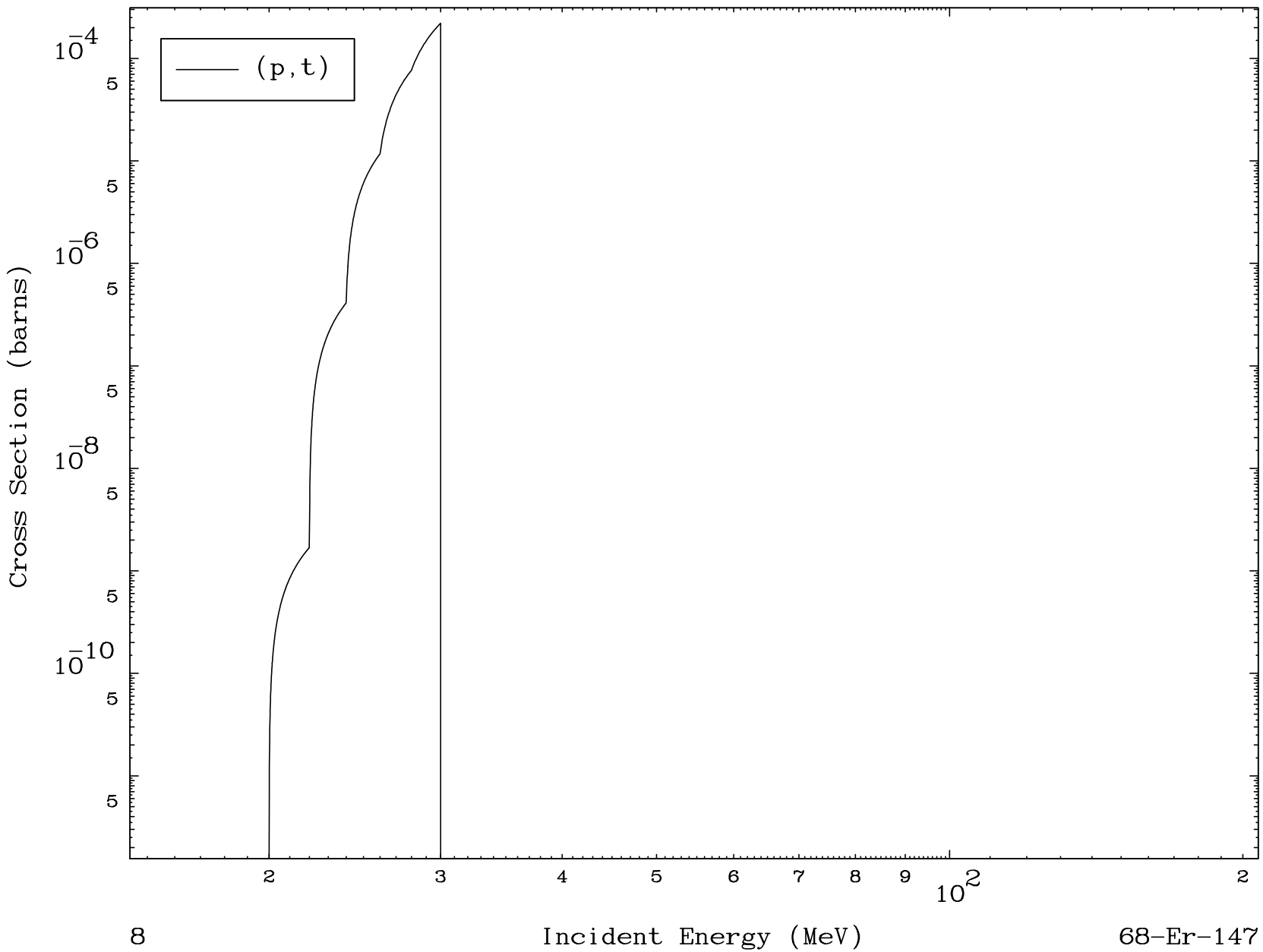

MAT 6781
Proton Charged Particle
0 Kelvin Cross Sections
68-Er-147
(p,n') α
(p,n') p
(p,n') d
(p,2n) p
(p,p)
(p,d)
(p,t)
Cross Section (barns)
Incident Energy (MeV)
3
68-Er-147

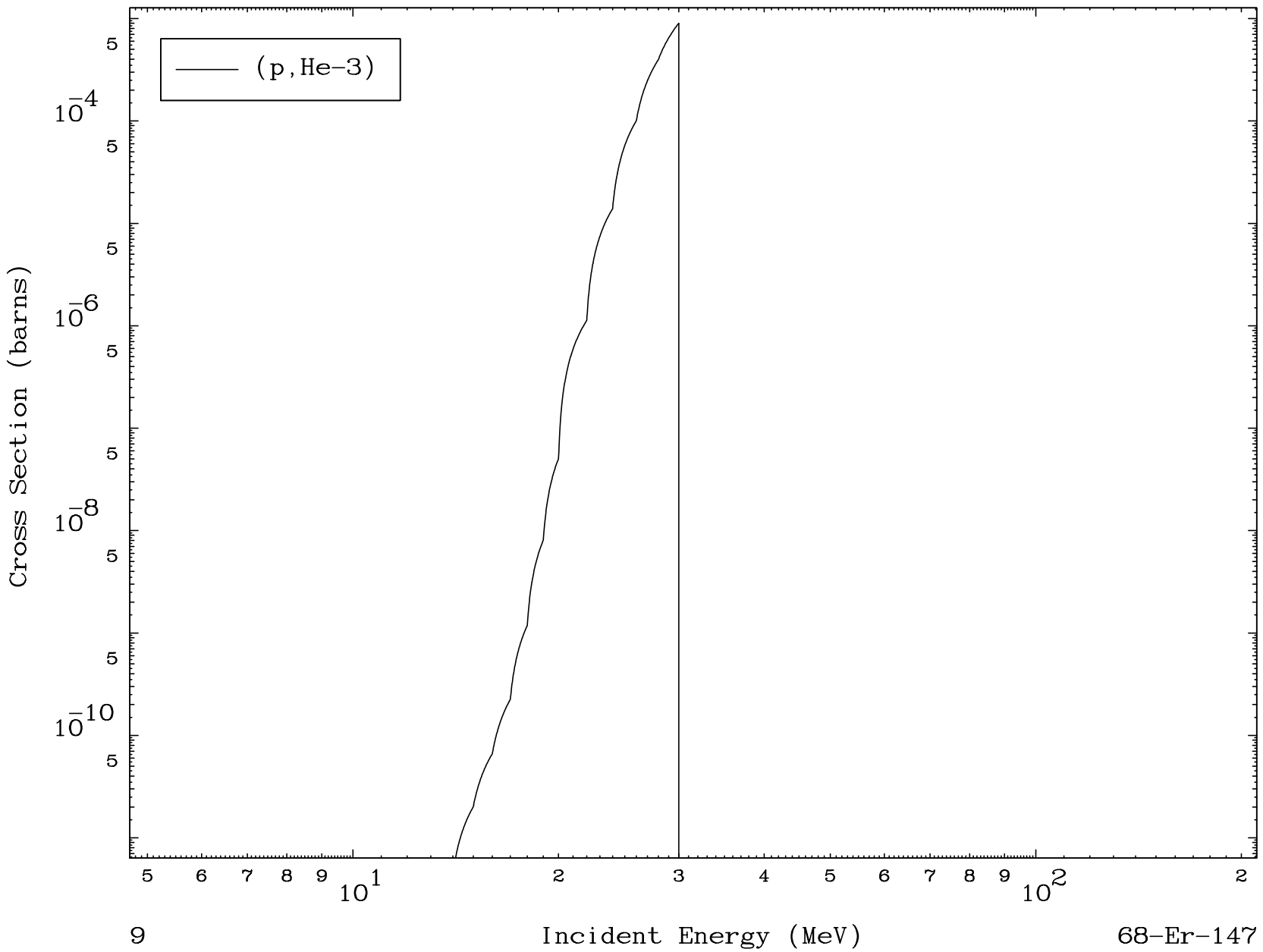

MAT 6781
Proton Charged Particle
0 Kelvin Cross Sections
68-Er-147
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
4
68-Er-147

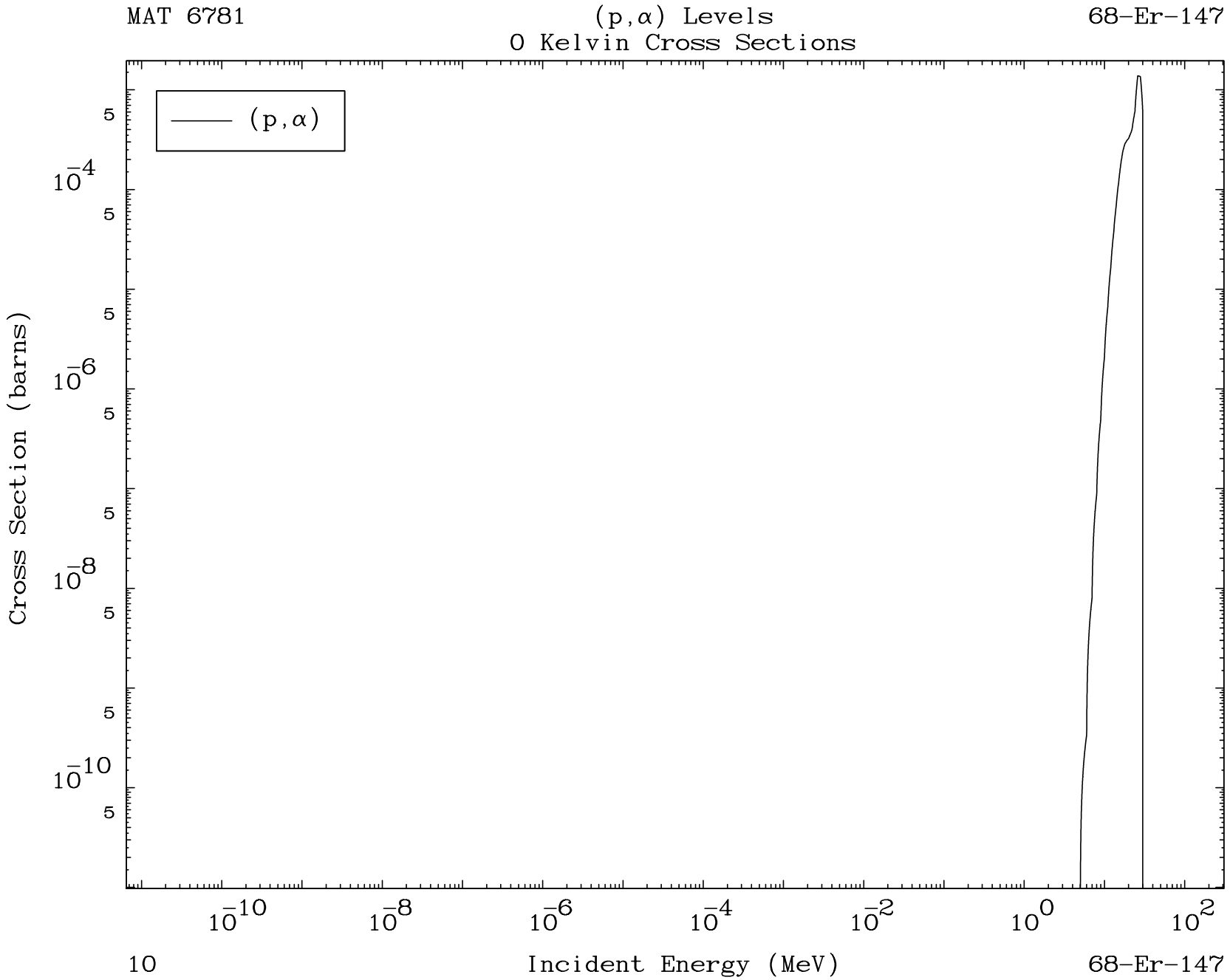

MAT 6781
(p,n') Level
68-Er-147
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
4
3
2
10^-4
9
8
7
2
3
4
5
6
7
8
9
10^2
2
5
Incident Energy (MeV)
68-Er-147

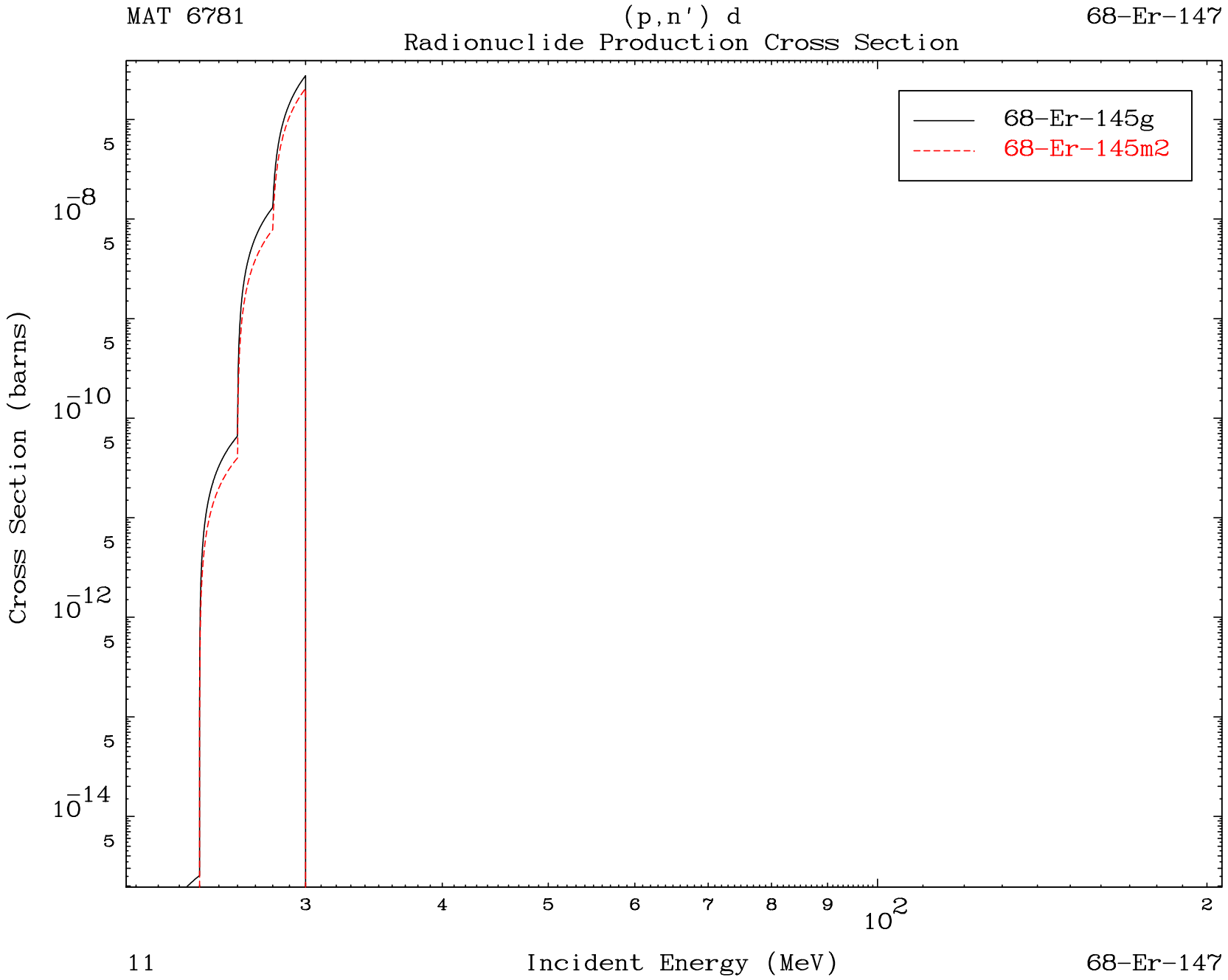

MAT 6781
(p,p) Levels
68-Er-147
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
68-Er-147
6

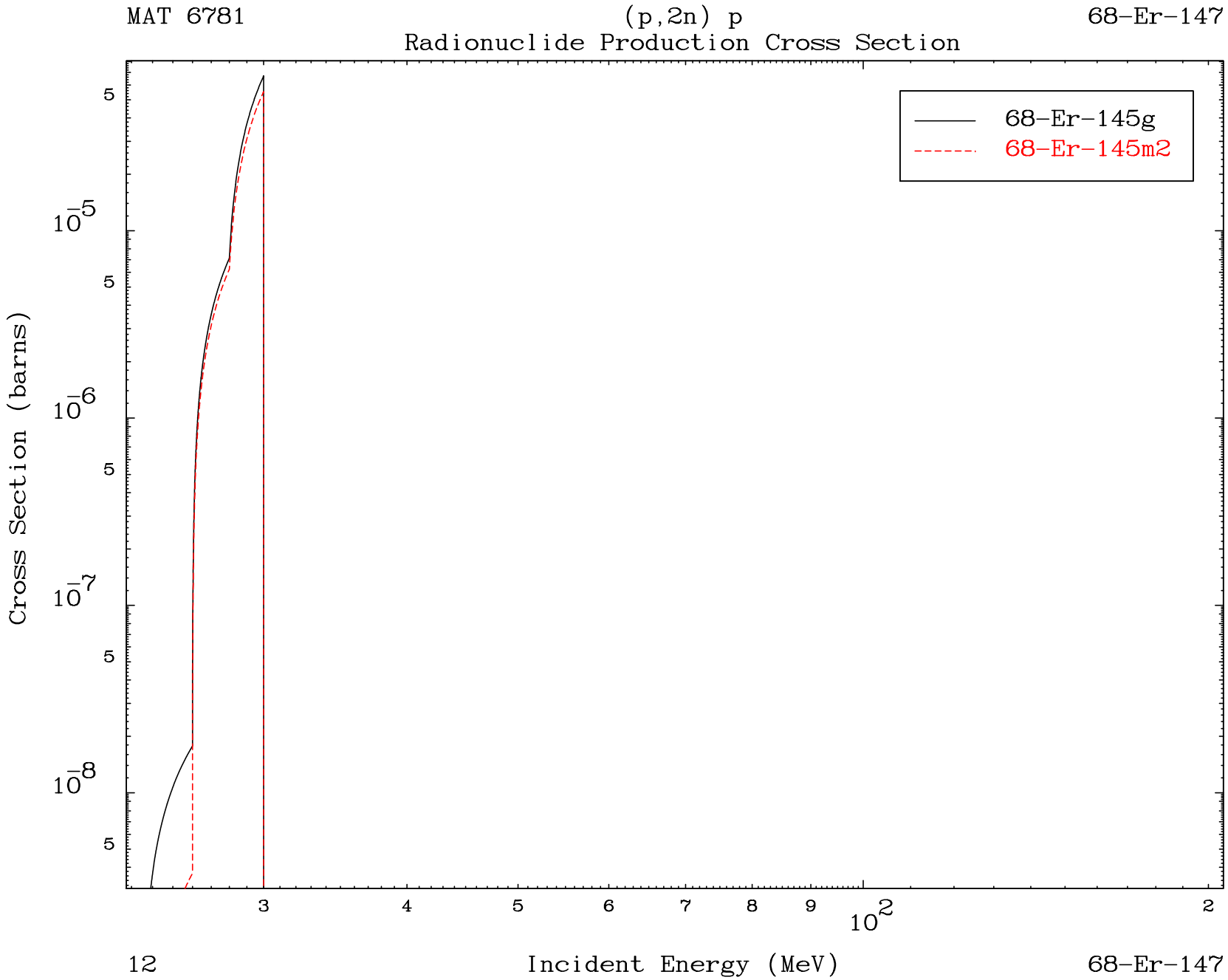

MAT 6781
(p,d) Levels
68-Er-147
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
Incident Energy (MeV)
7
68-Er-147

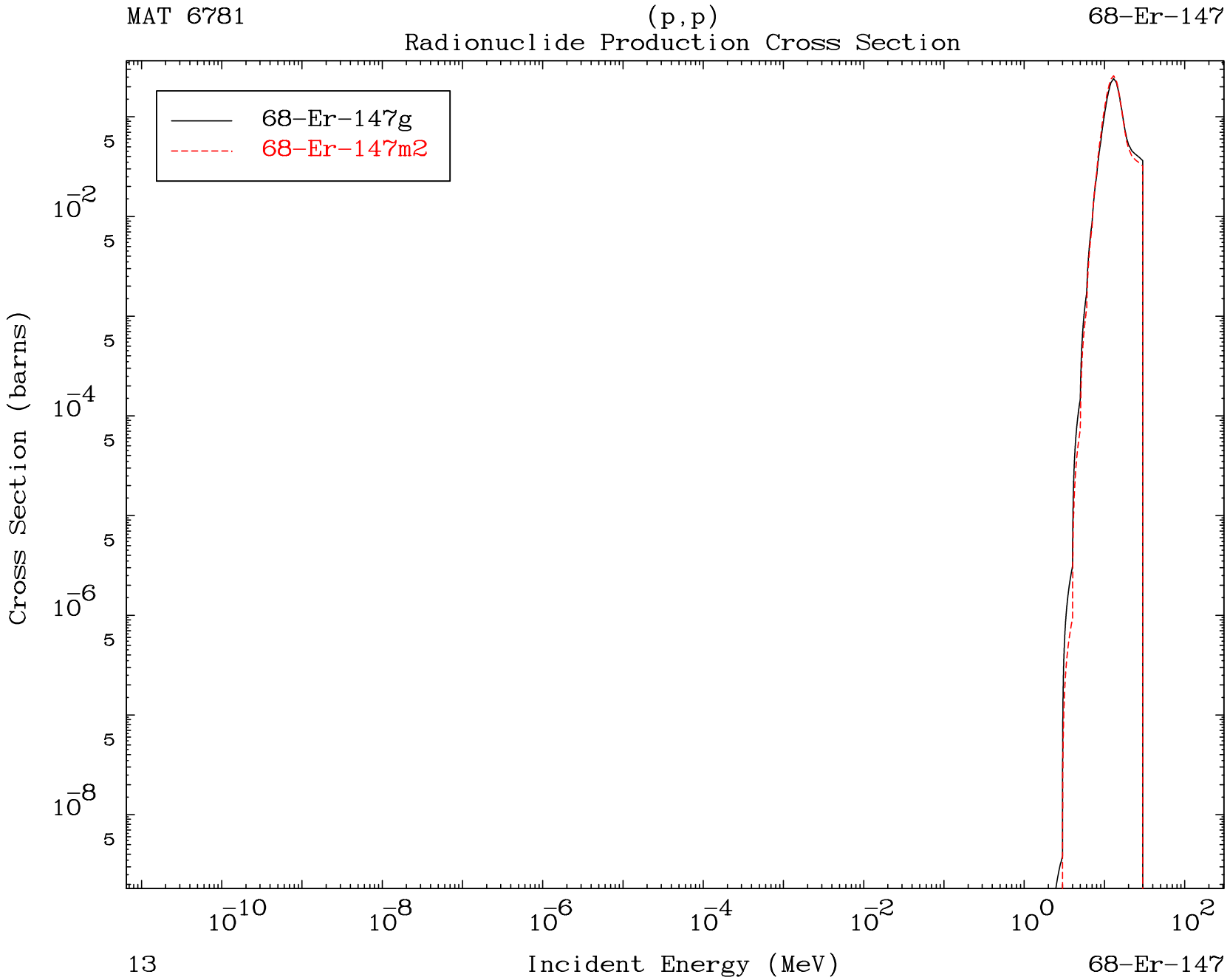

0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

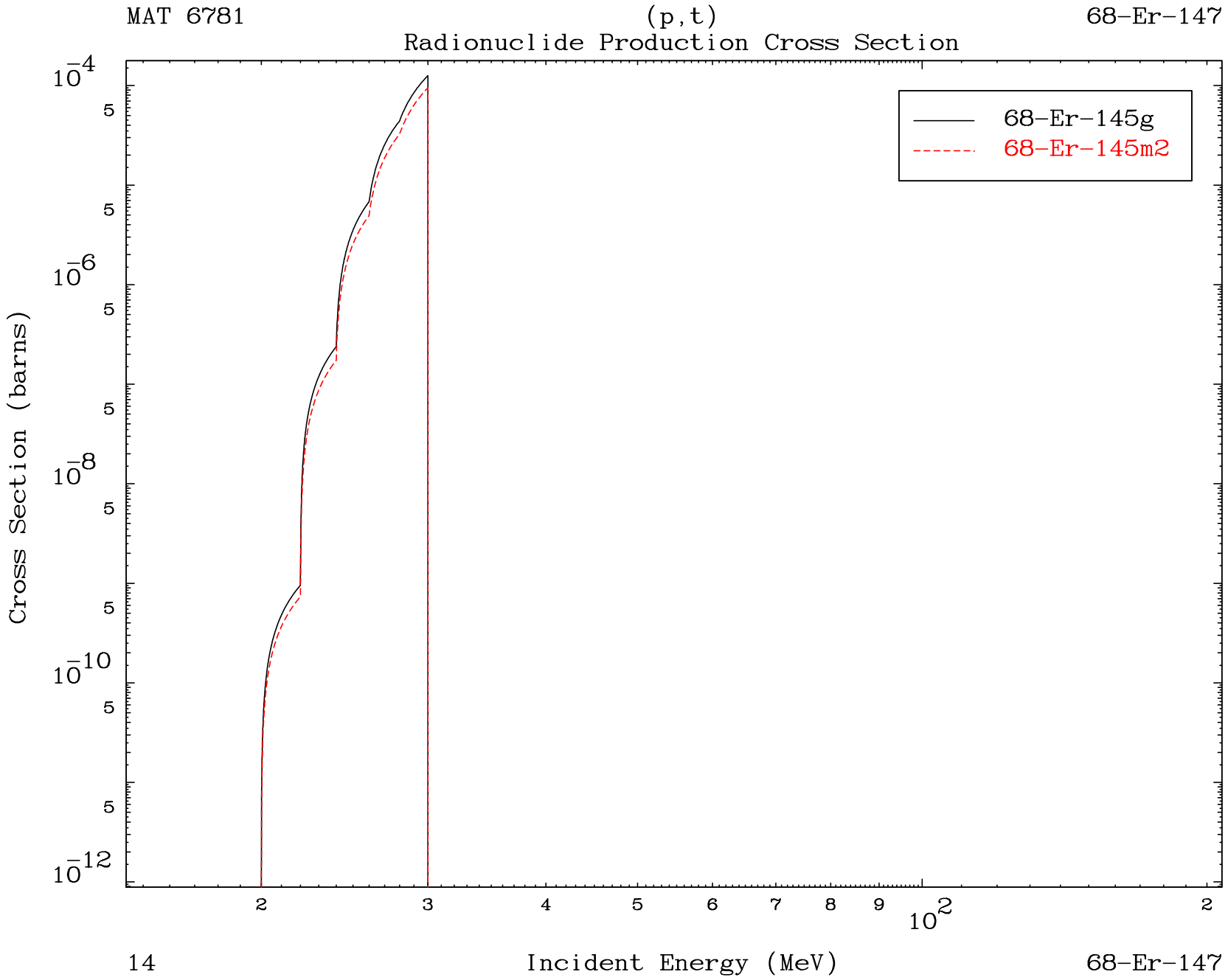

0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
5 6 7 8 9 10 1
2 3 4 5 6 7 8 9 10 2
2
Incident Energy (MeV)

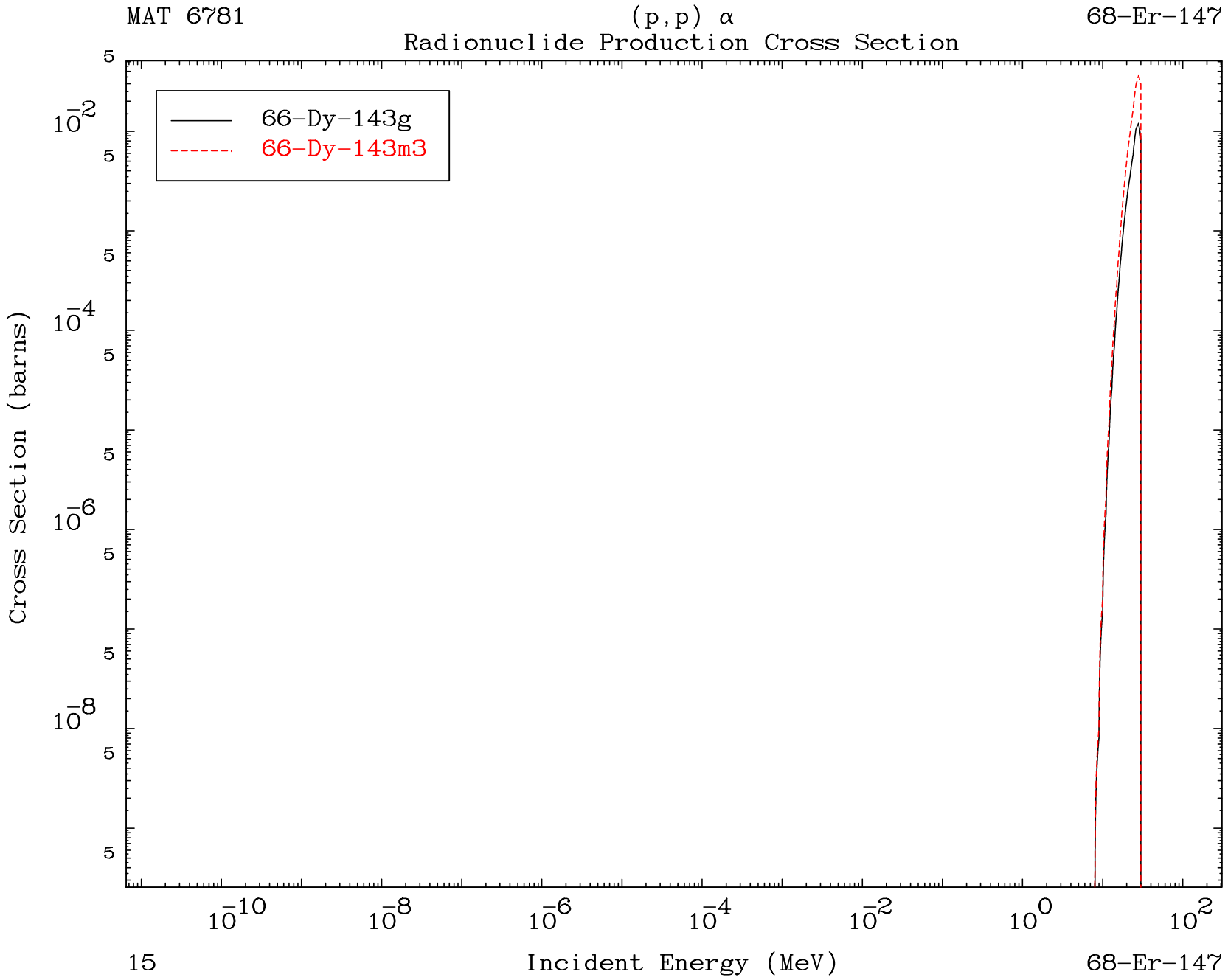

MAT 6781
(p,α) Levels
68-Er-147
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
68-Er-147
10


MAT 6781
(p,n') d
68-Er-147
Radionuclide Production Cross Section
68-Er-145g
68-Er-145m2
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
68-Er-147


MAT 6781
(p,2n) p
68-Er-147
Radionuclide Production Cross Section
68-Er-145g
68-Er-145m2
Cross Section (barns)
10-5
10-6
10-7
10-8
5
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
68-Er-147


MAT 6781
(p,p)
68-Er-147
Radionuclide Production Cross Section
68-Er-147g
68-Er-147m2
Cross Section (barns)
Incident Energy (MeV)
13
68-Er-147


MAT 6781
(p,t)
68-Er-147
Radionuclide Production Cross Section
68-Er-145g
68-Er-145m2
Cross Section (barns)
10-4
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
68-Er-147


MAT 6781
(p,p) α
68-Er-147
Radionuclide Production Cross Section
66-Dy-143g
66-Dy-143m3
Cross Section (barns)
Incident Energy (MeV)
15
68-Er-147