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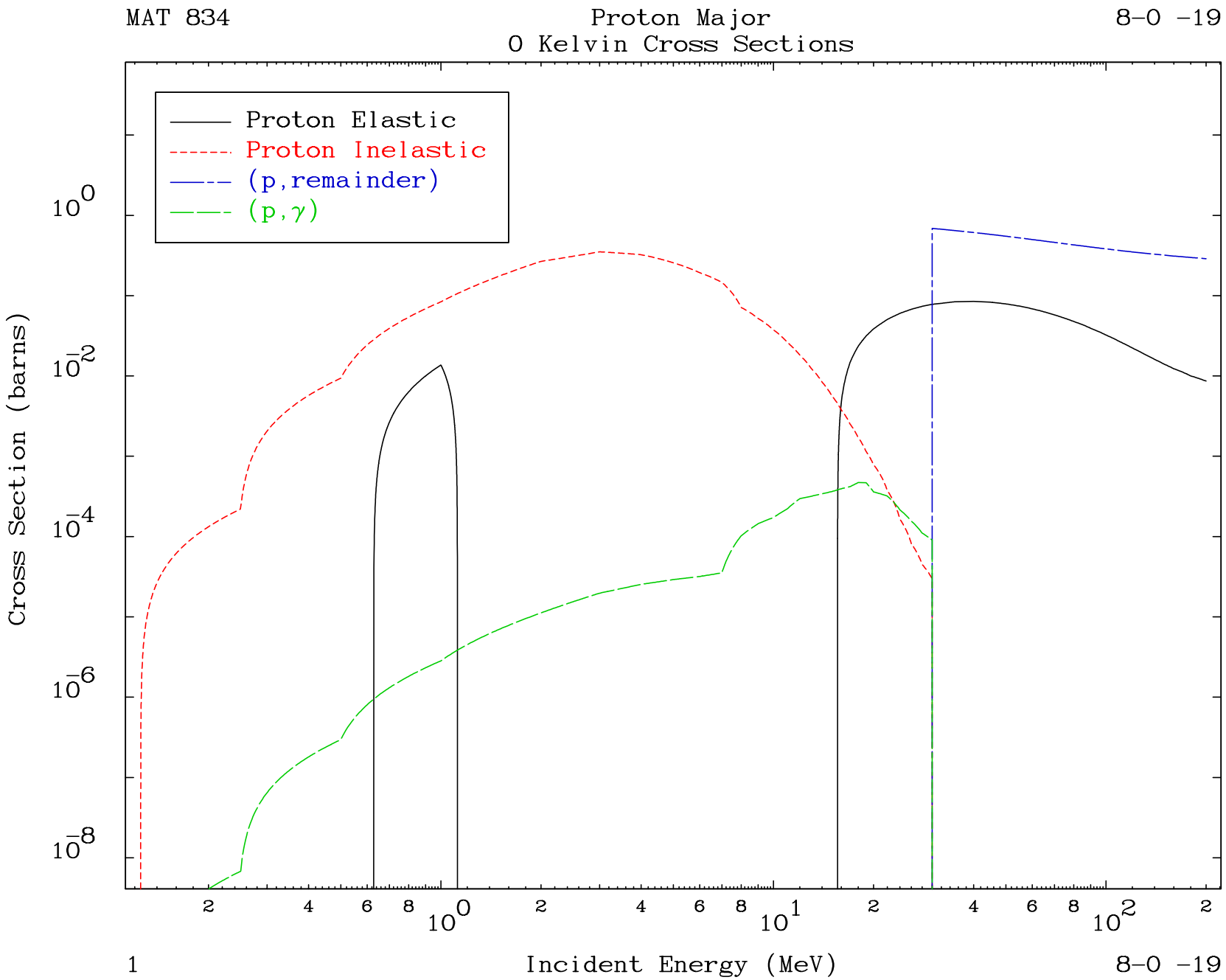
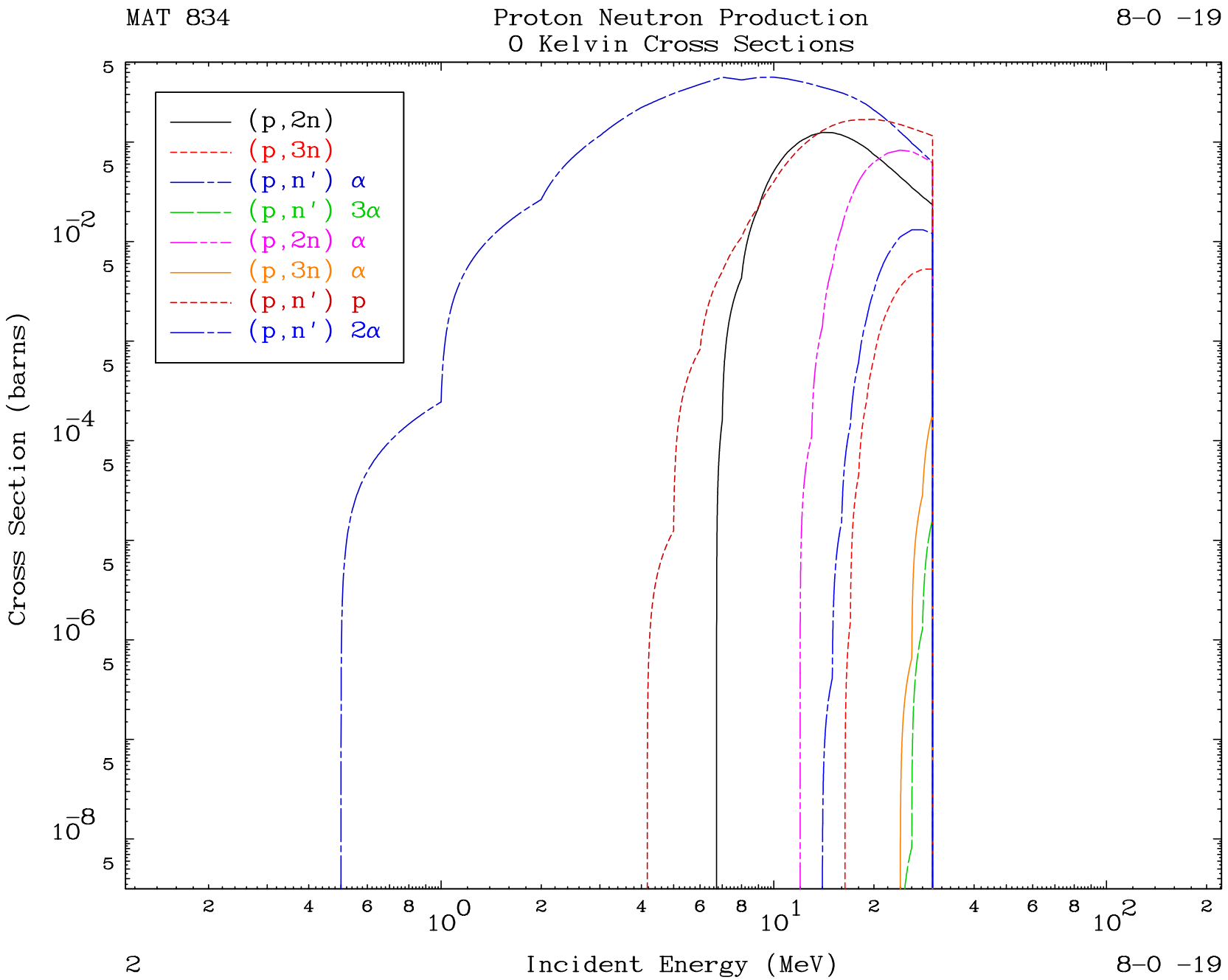
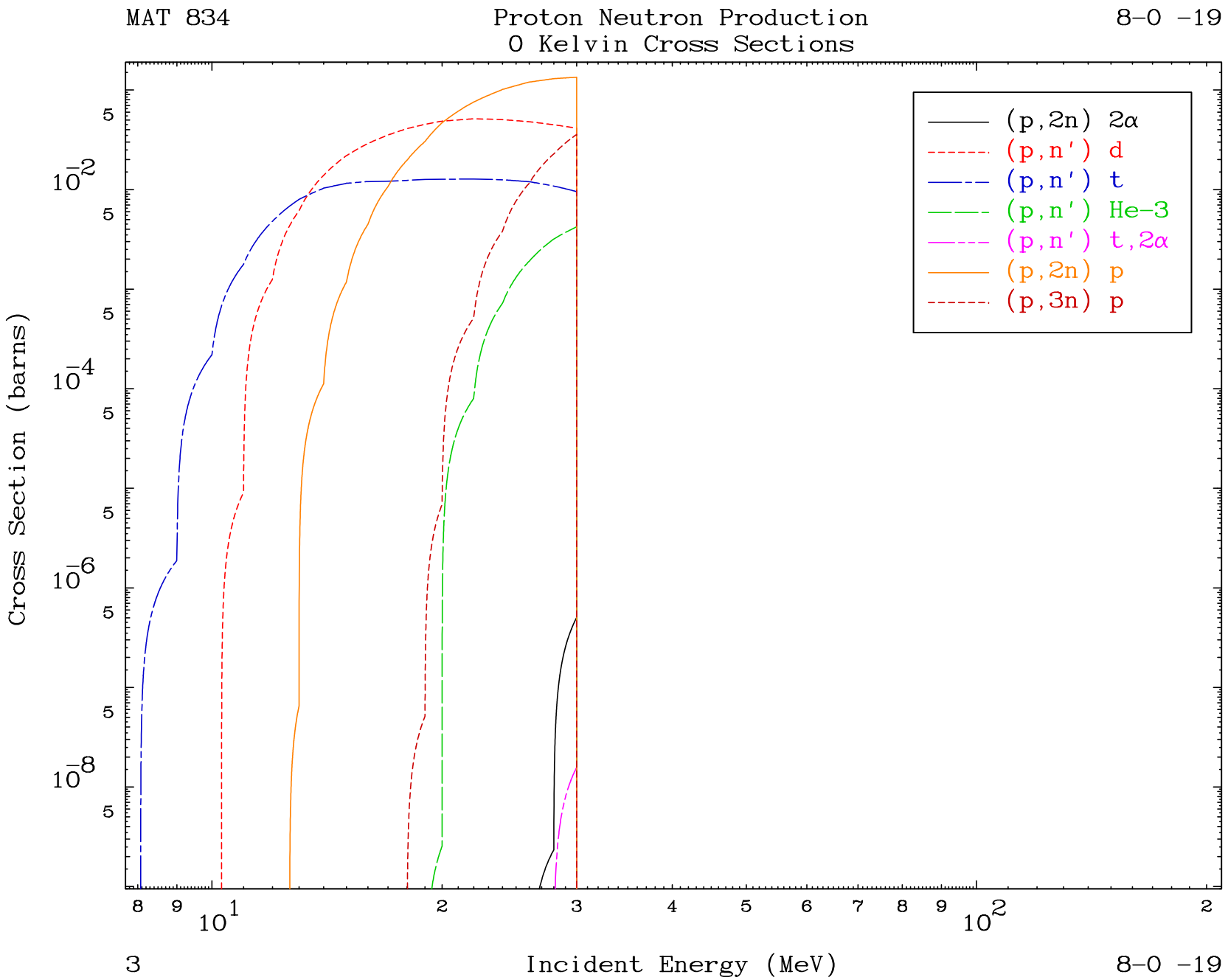
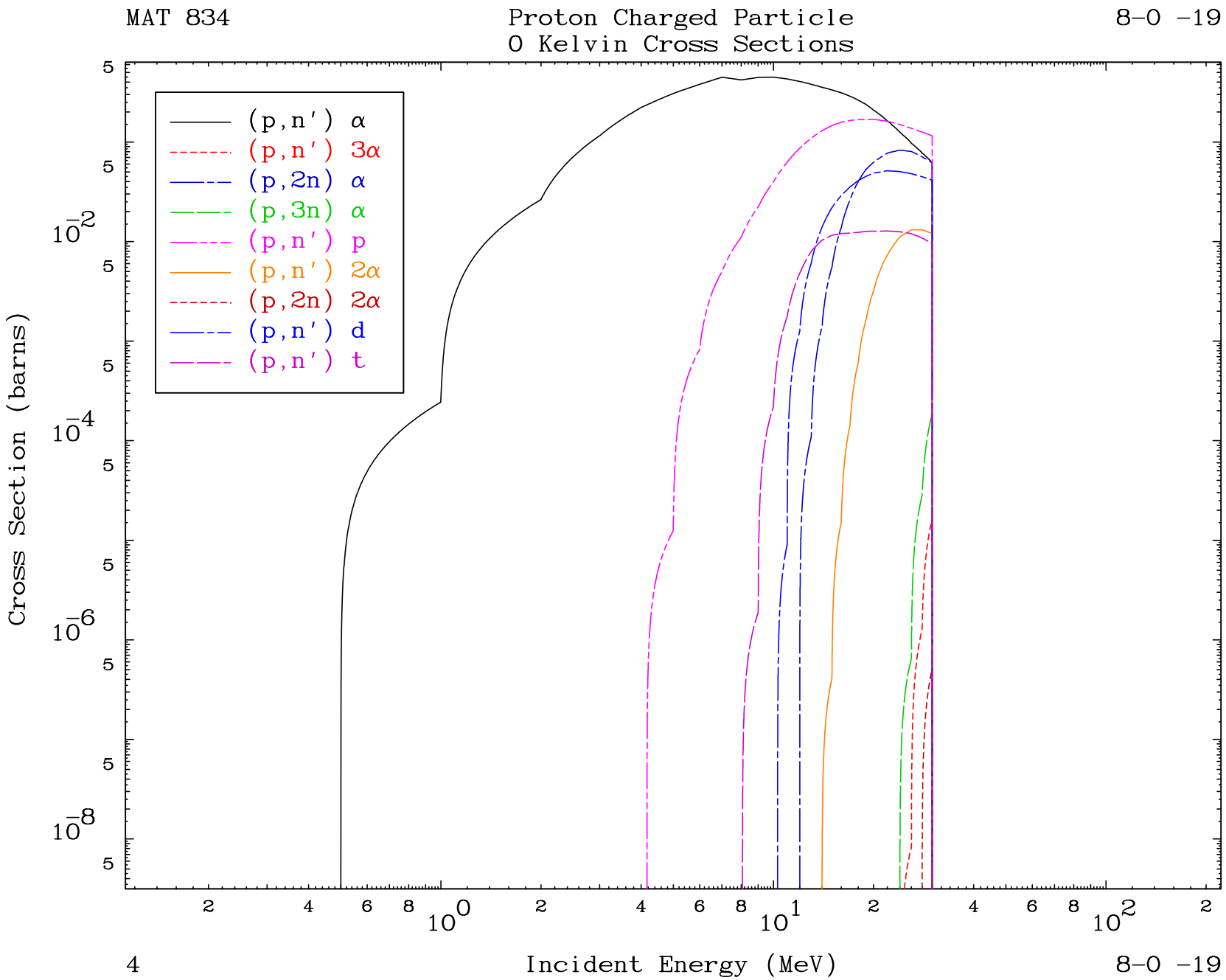
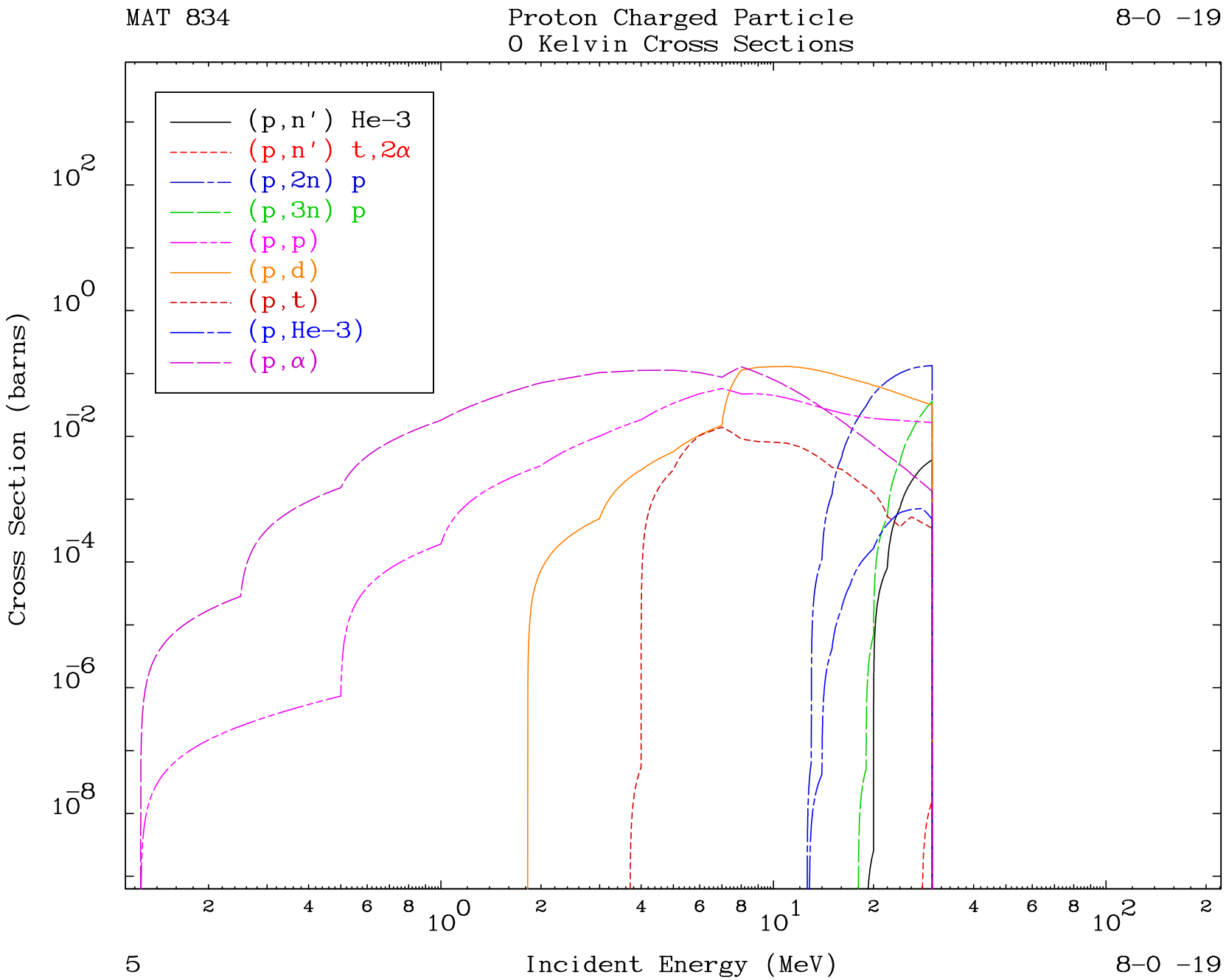
Press Mouse Button to Start

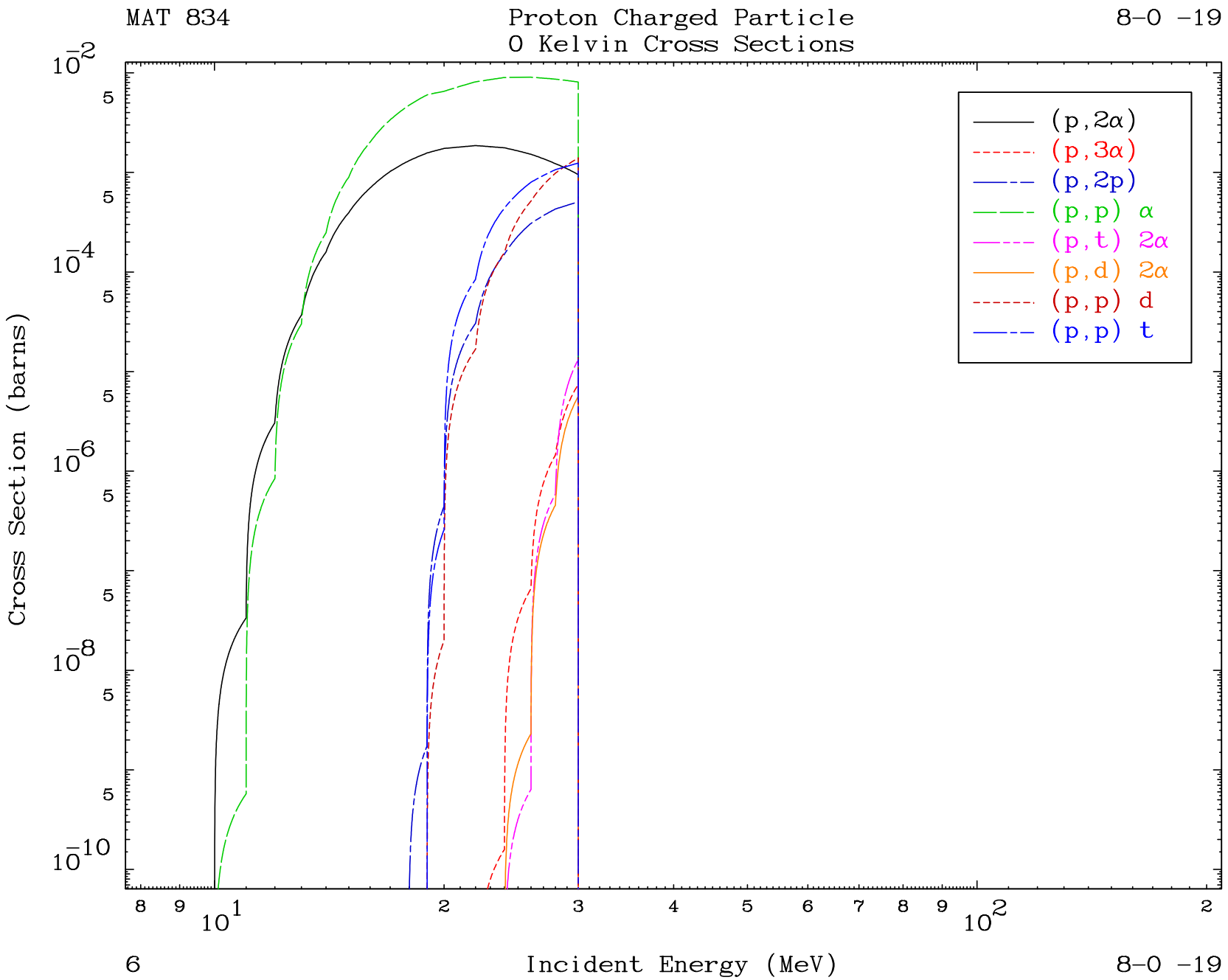

MAT 834
Proton Major
8-0 -19
0 Kelvin Cross Sections
Proton Elastic
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^-8
2
4
6
8
10^0
2
4
6
8
10^1
2
4
6
8
10^2
2
1
Incident Energy (MeV)
8-0 -19

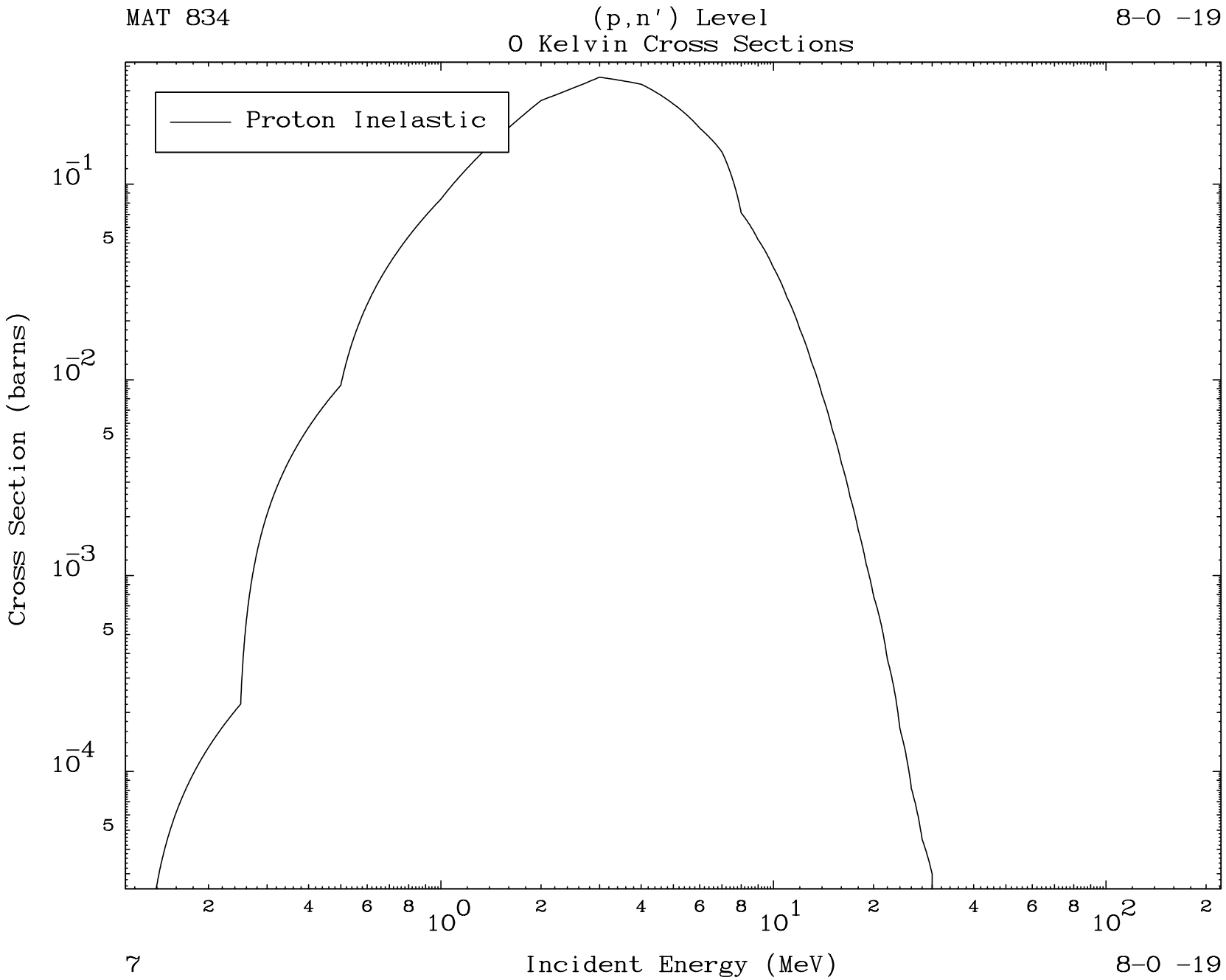

MAT 834
Proton Neutron Production
0 Kelvin Cross Sections
8-0 -19
(p,2n)
(p,3n)
(p,n') α
(p,n') 3α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
Cross Section (barns)
Incident Energy (MeV)
2
8-0 -19

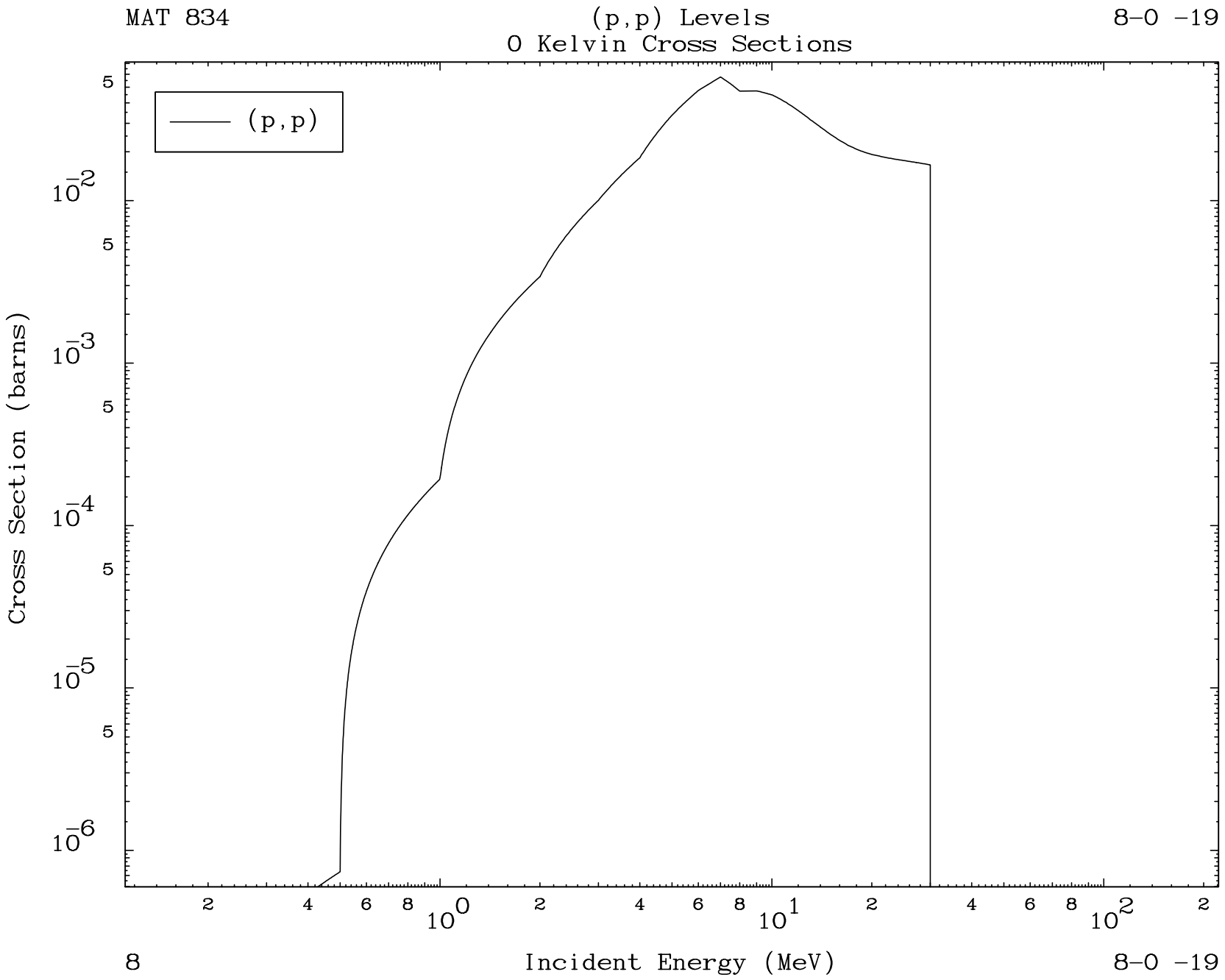

MAT 834
Proton Neutron Production
0 Kelvin Cross Sections
8-0 -19
(p,2n) 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,n') t,2α
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
8-0 -19

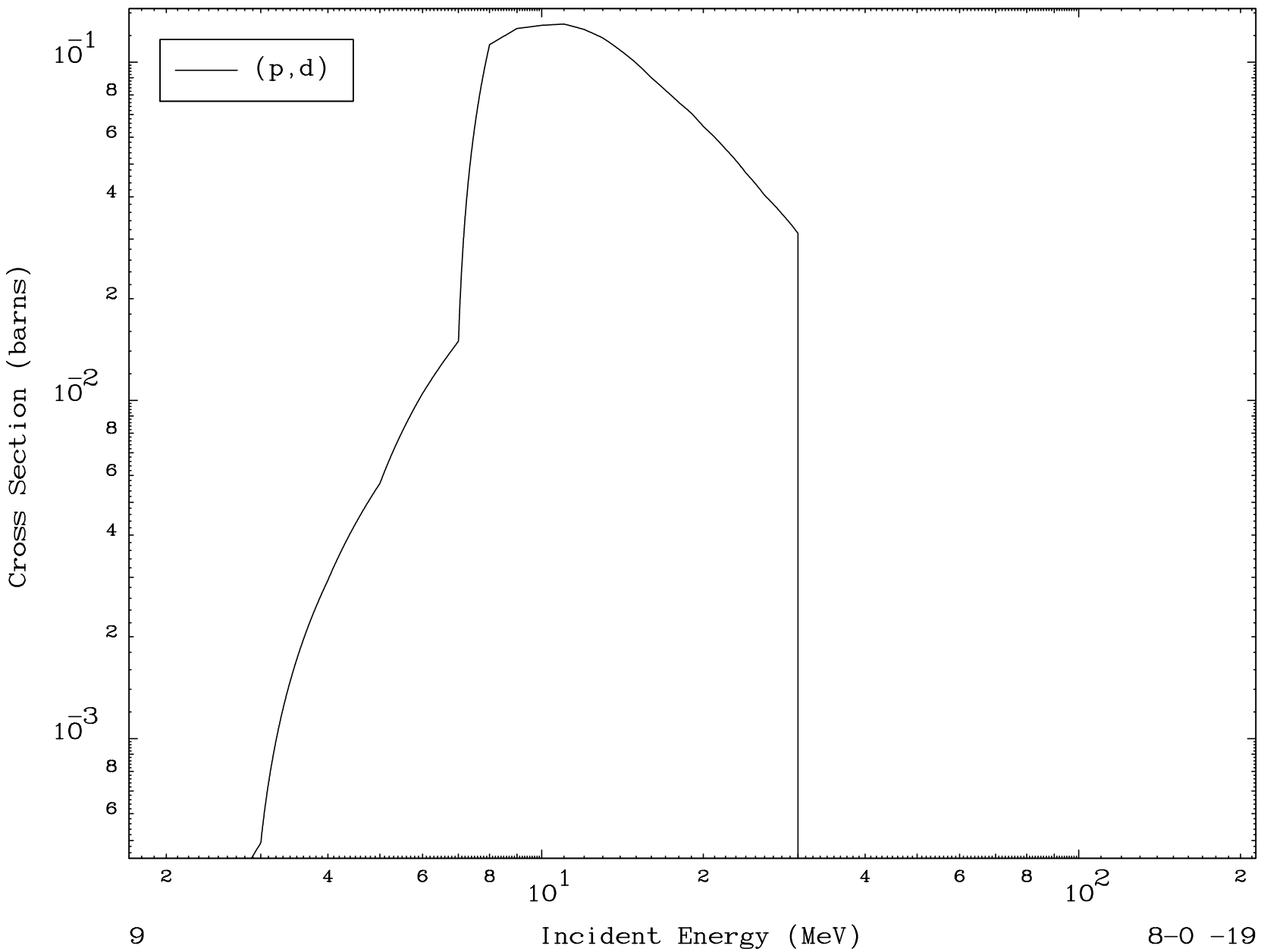

MAT 834
Proton Charged Particle
0 Kelvin Cross Sections
8-0 -19
(p,n') α
(p,n') 3α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
(p,2n) 2α
(p,n') d
(p,n') t
Cross Section (barns)
Incident Energy (MeV)
4
8-0 -19

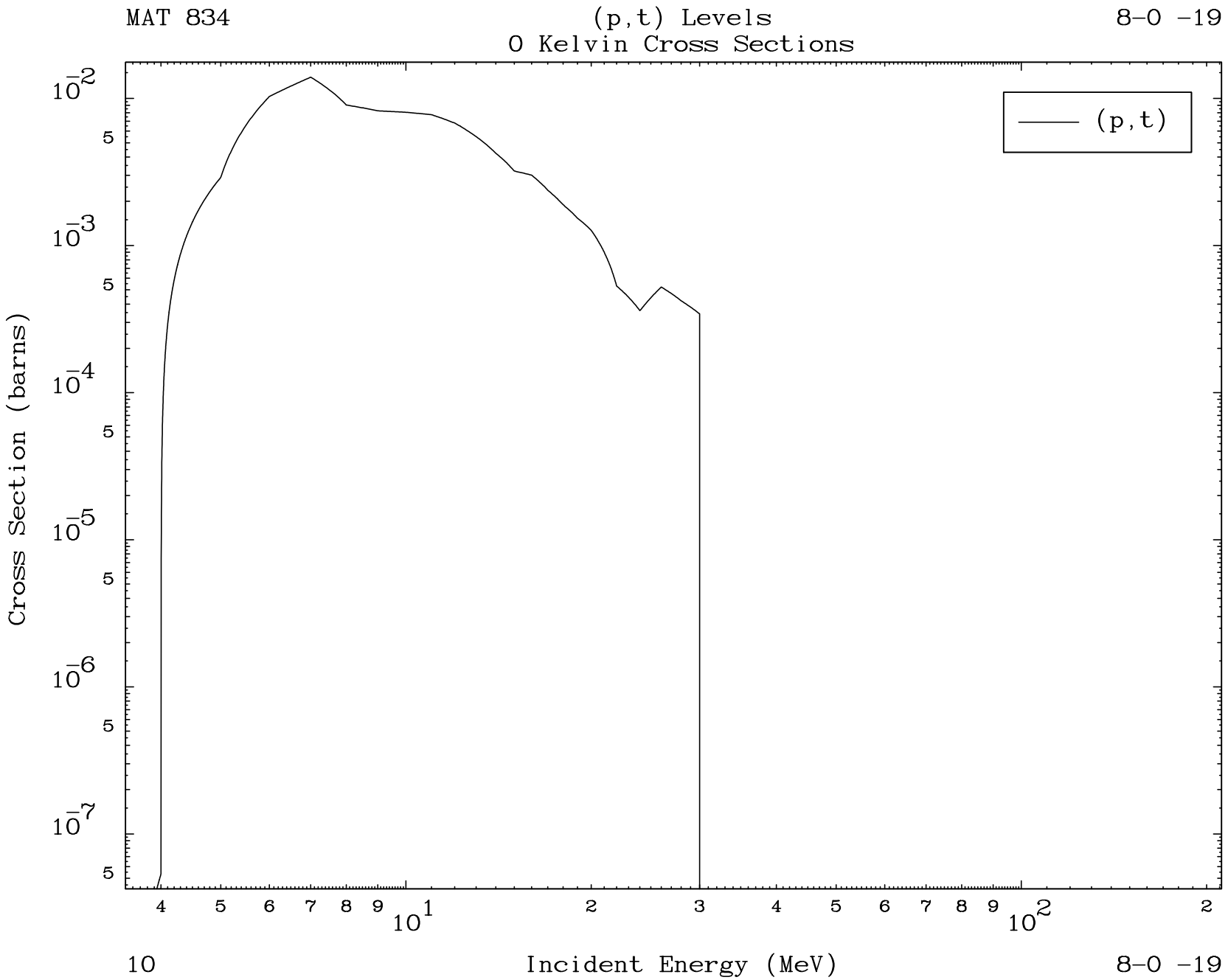

MAT 834
Proton Charged Particle
0 Kelvin Cross Sections
8-0 -19
(p,n') He-3
(p,n') t,2α
(p,2n) p
(p,3n) p
(p,p)
(p,d)
(p,t)
(p,He-3)
(p,α)
Cross Section (barns)
10^2
10^0
10^-2
10^-4
10^-6
10^-8
2 4 6 8 10^0 2 4 6 8 10^1 2 4 6 8 10^2 2
Incident Energy (MeV)
5
8-0 -19

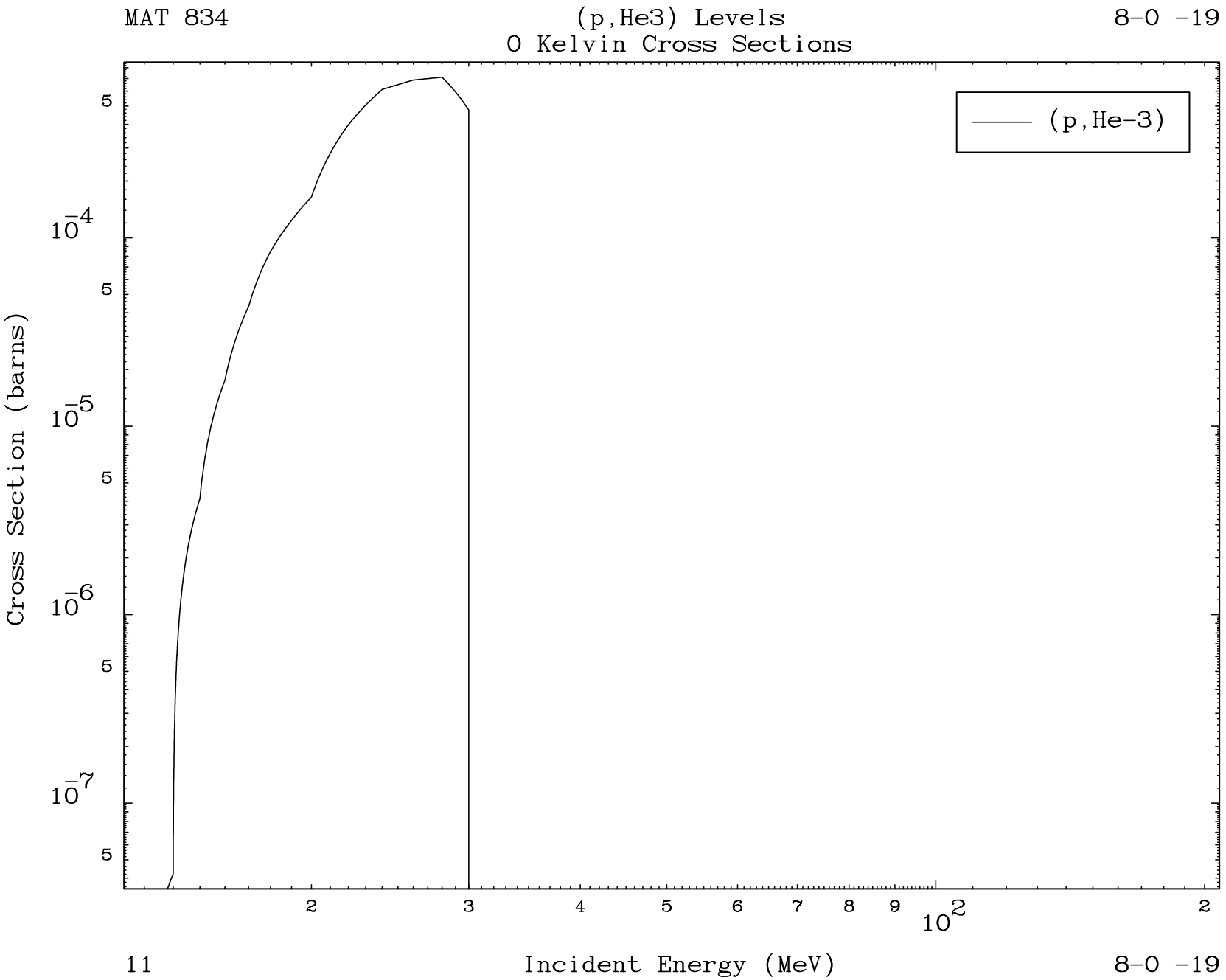

MAT 834
Proton Charged Particle
0 Kelvin Cross Sections
8-0 -19
Cross Section (barns)
Incident Energy (MeV)
6
8-0 -19
(p,2α)
(p,3α)
(p,2p)
(p,p) α
(p,t) 2α
(p,d) 2α
(p,p) d
(p,p) t

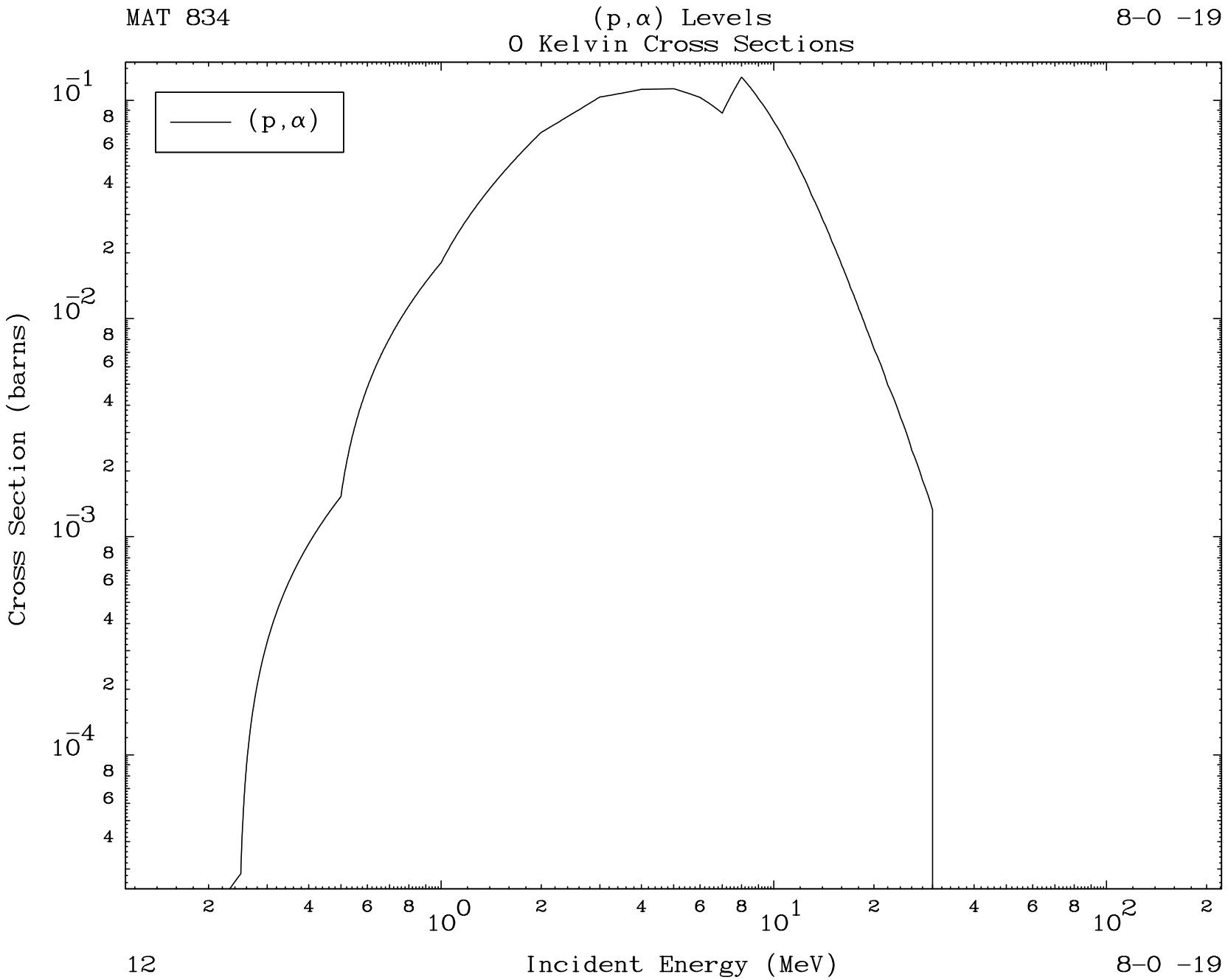

MAT 834
(p,n') Level
8-0 -19
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
10-1
10-2
10-3
10-4
5
100
101
102
2
4
6
8
Incident Energy (MeV)
7
8-0 -19


MAT 834
(p,p) Levels
8-0 -19
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
8
8-0 -19


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


MAT 834
(p,t) Levels
8-0 -19
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
Incident Energy (MeV)
10
8-0 -19


MAT 834
(p,He3) Levels
8-0 -19
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10-4
10-5
10-6
10-7
5
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
11
8-0 -19


MAT 834
(p,α) Levels
8-0 -19
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
12
8-0 -19