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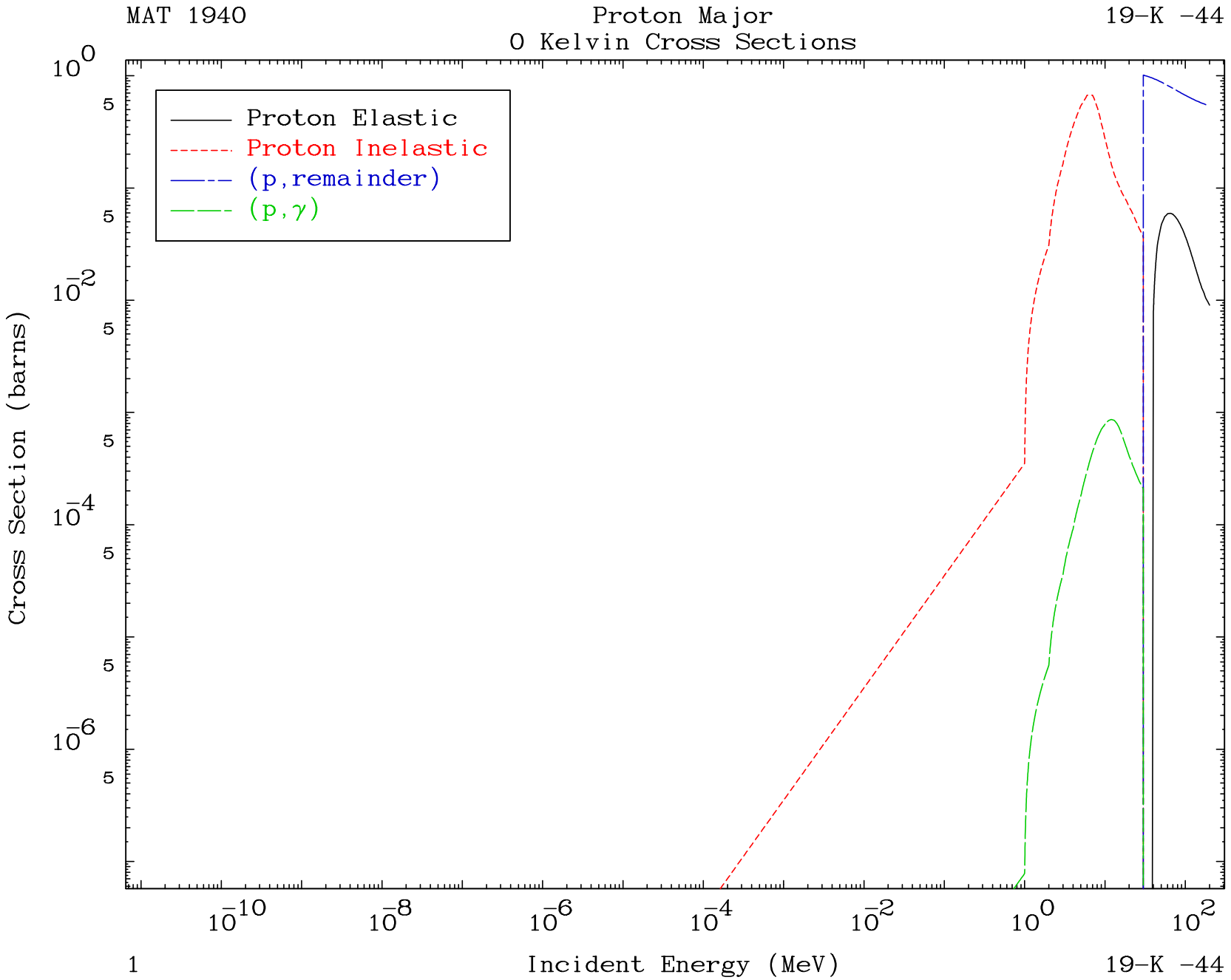
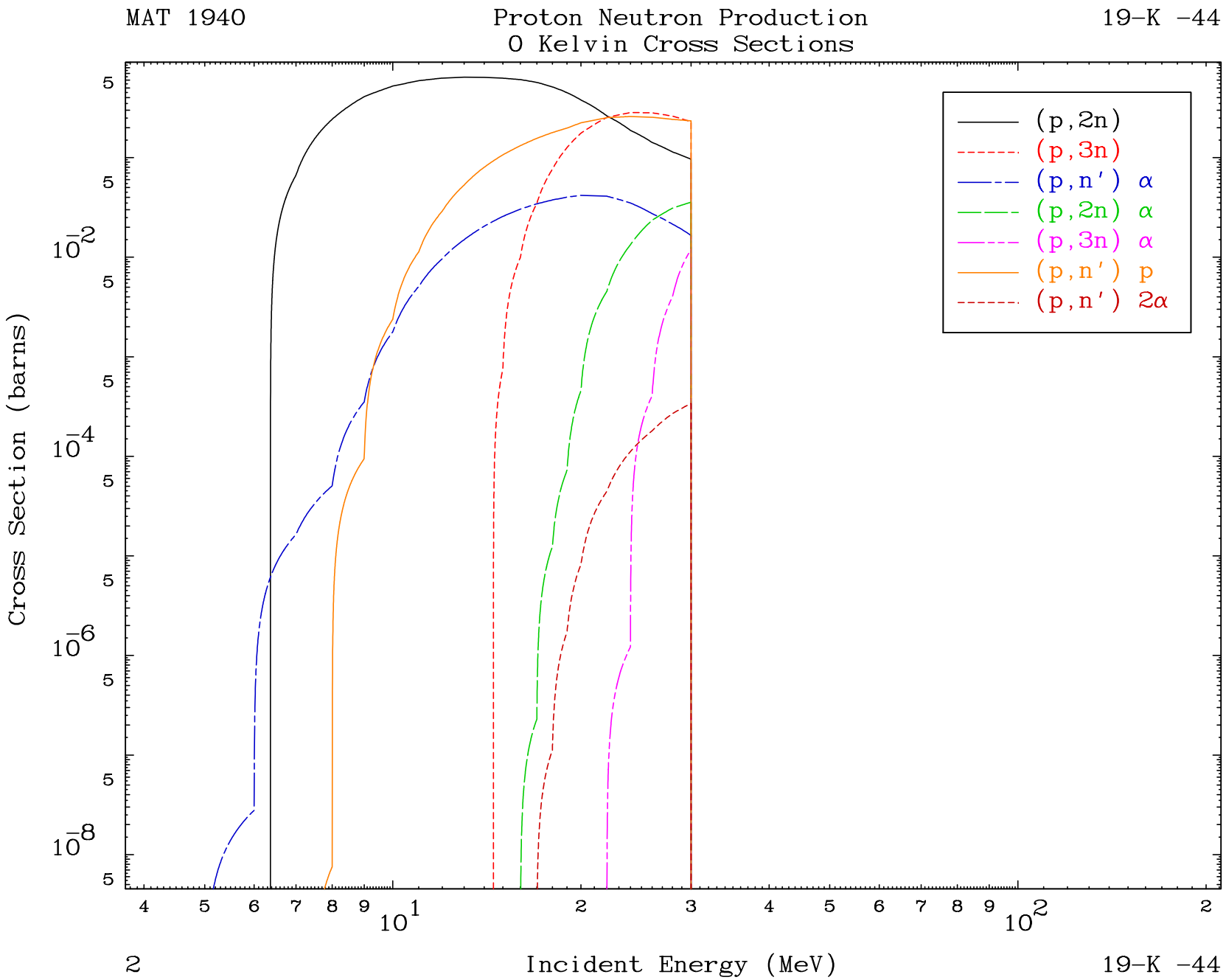
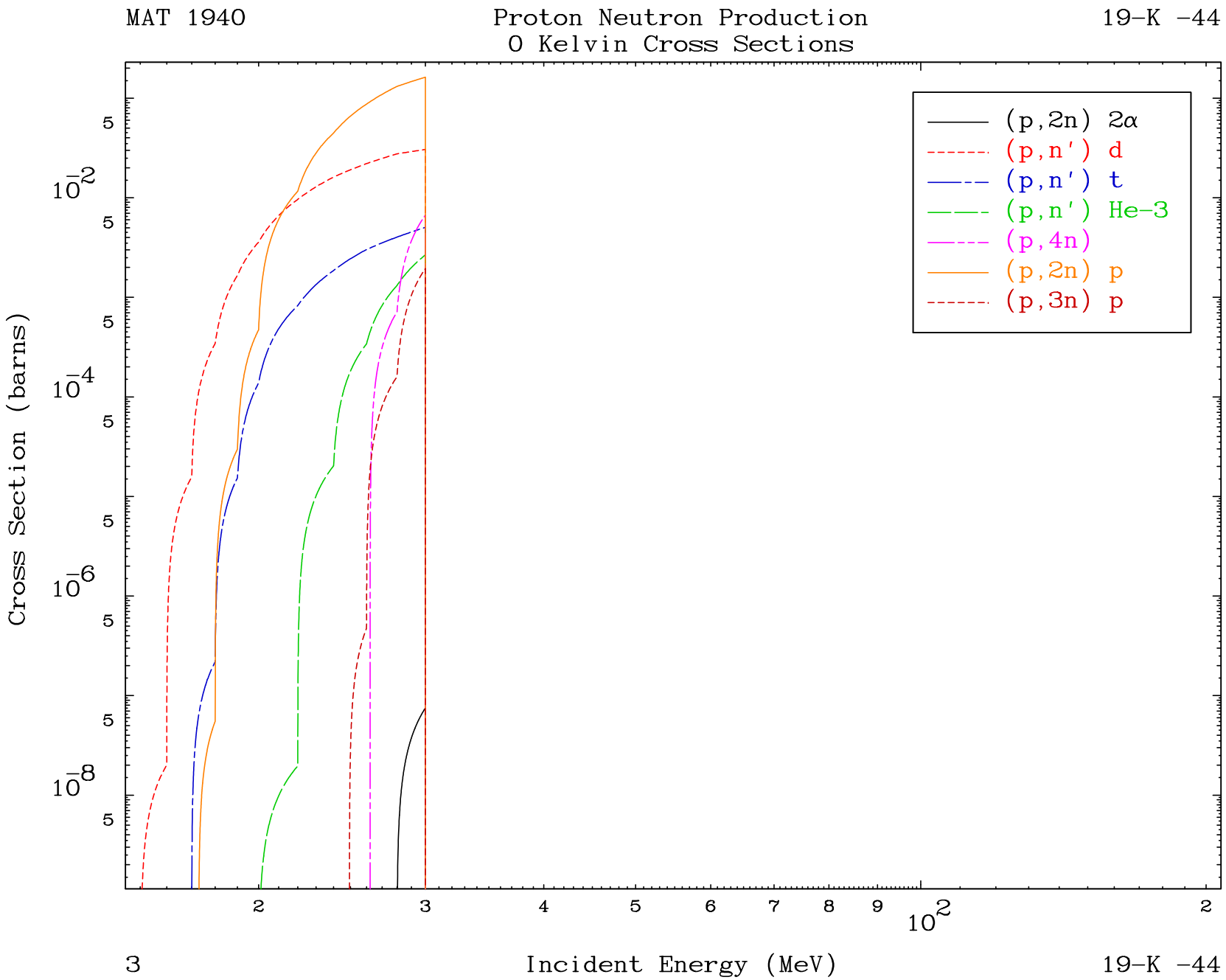
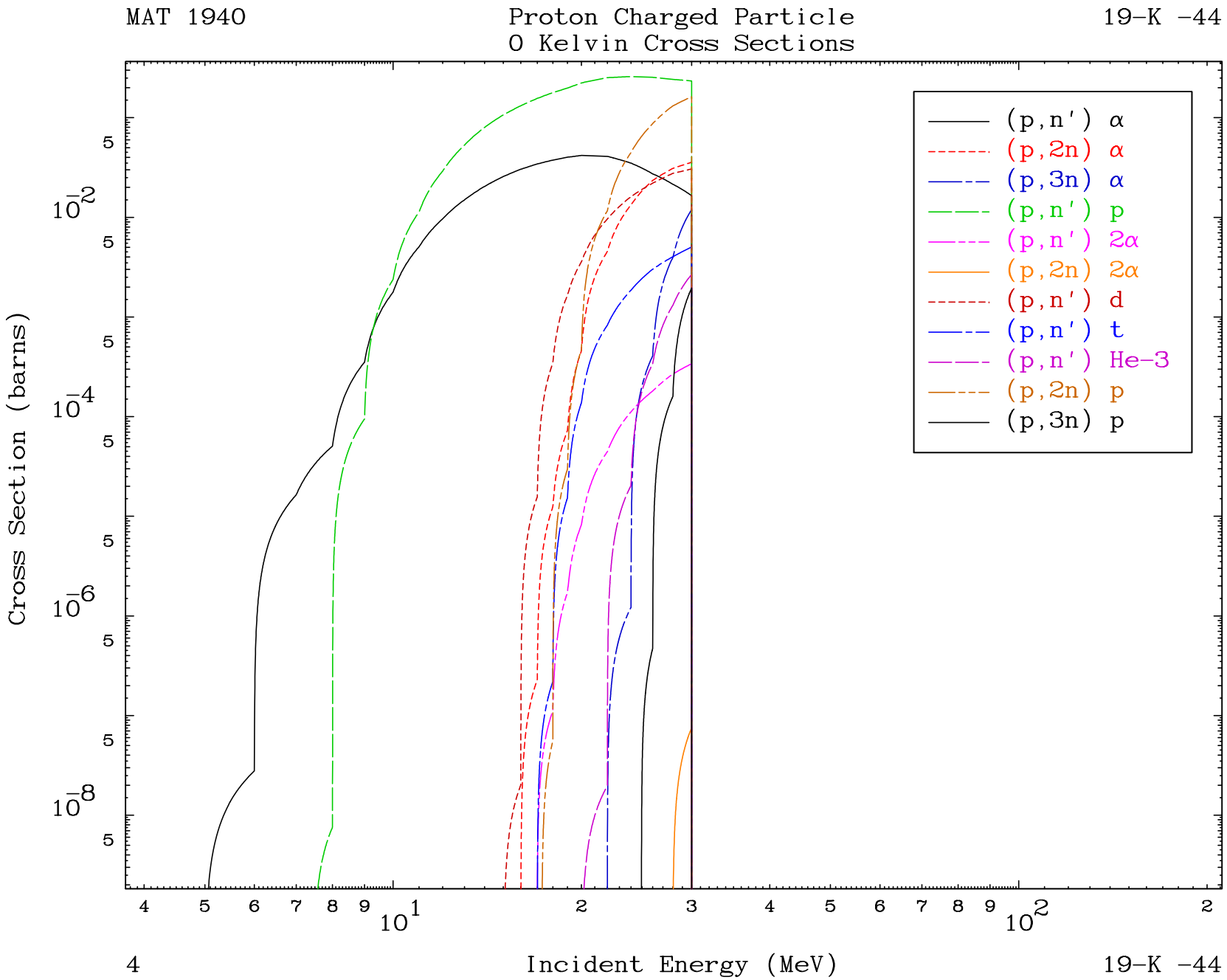
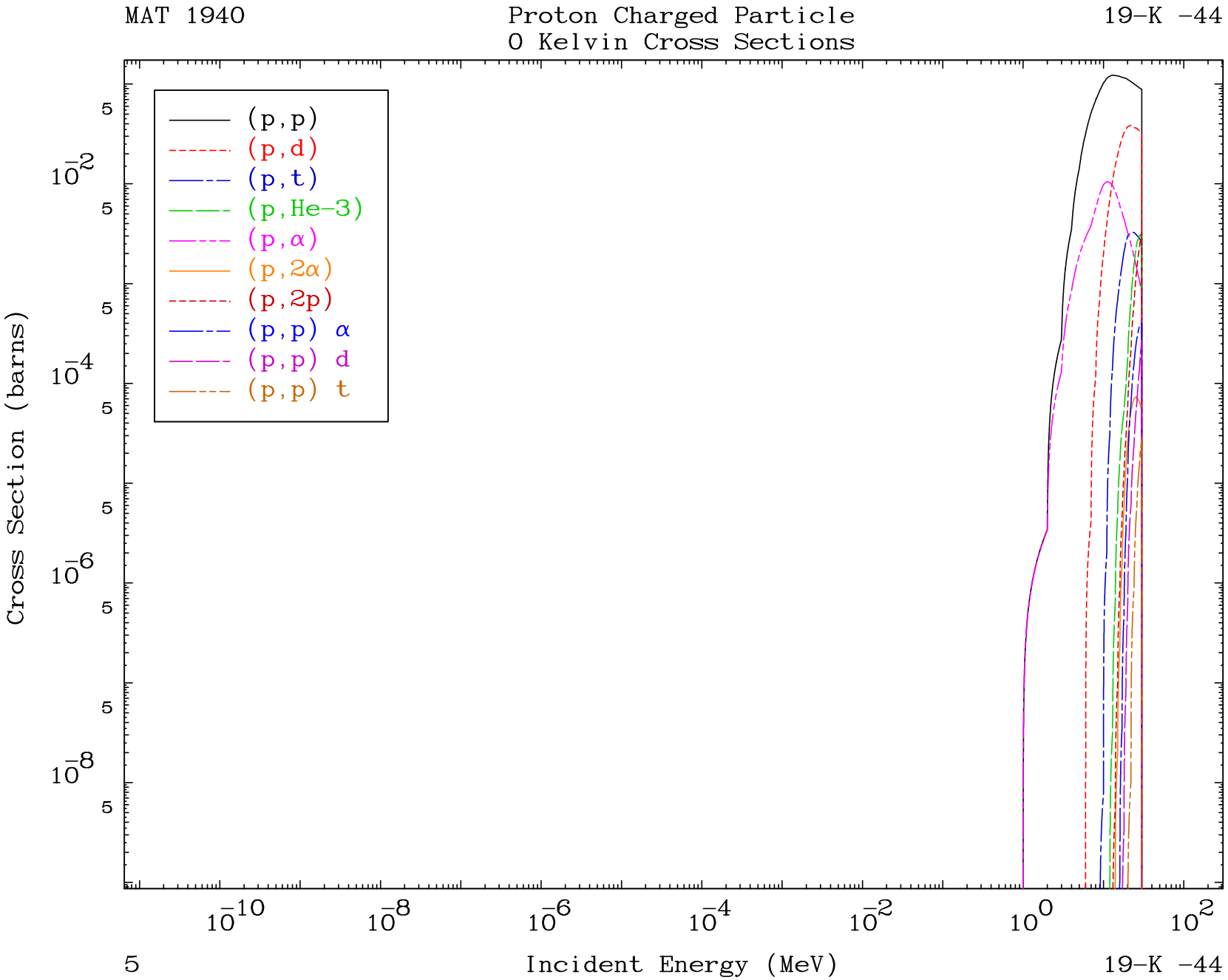
Press Mouse Button to Start

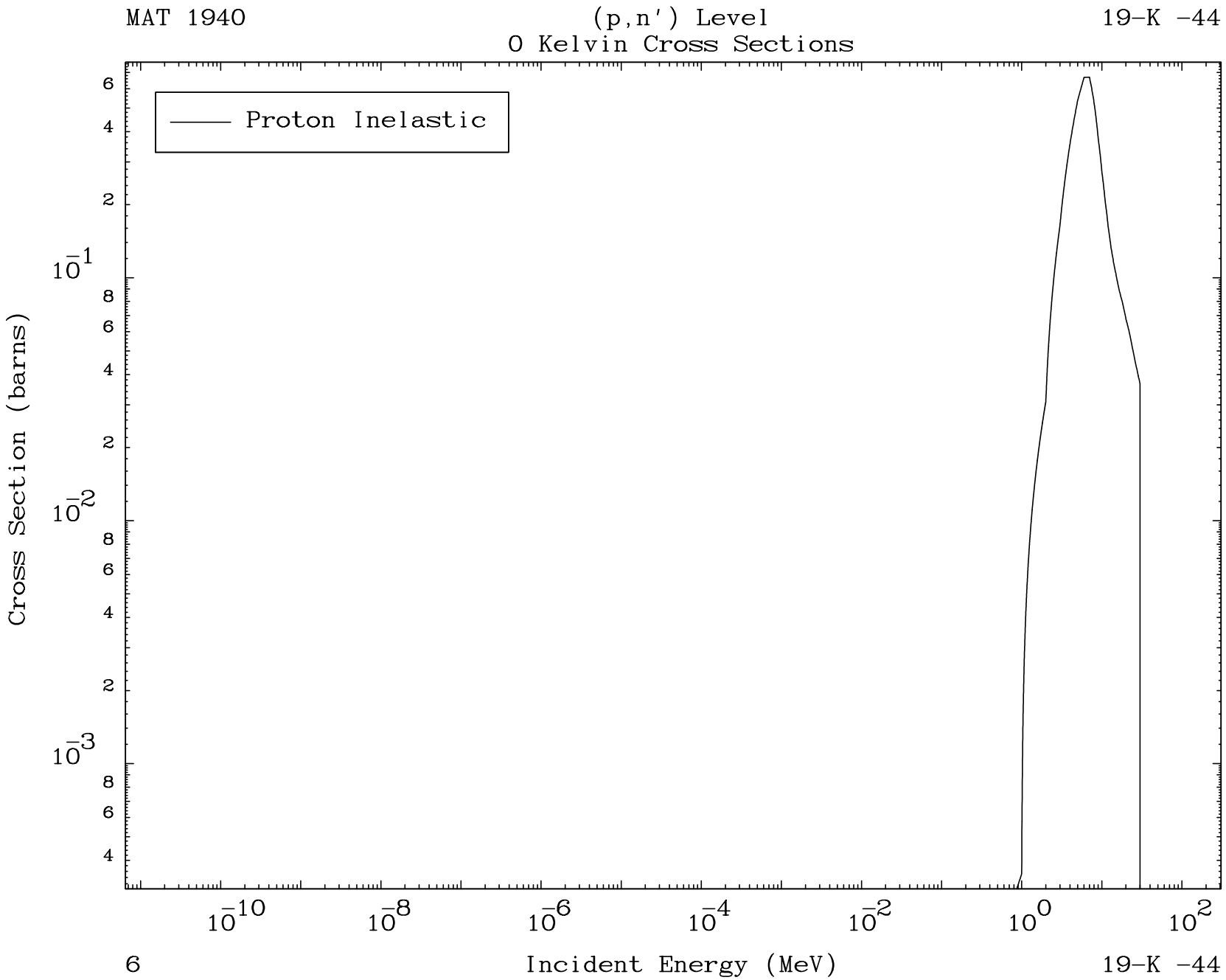

MAT 1940
Proton Major
19-K -44
0 Kelvin Cross Sections
Proton Elastic
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
1
19-K -44

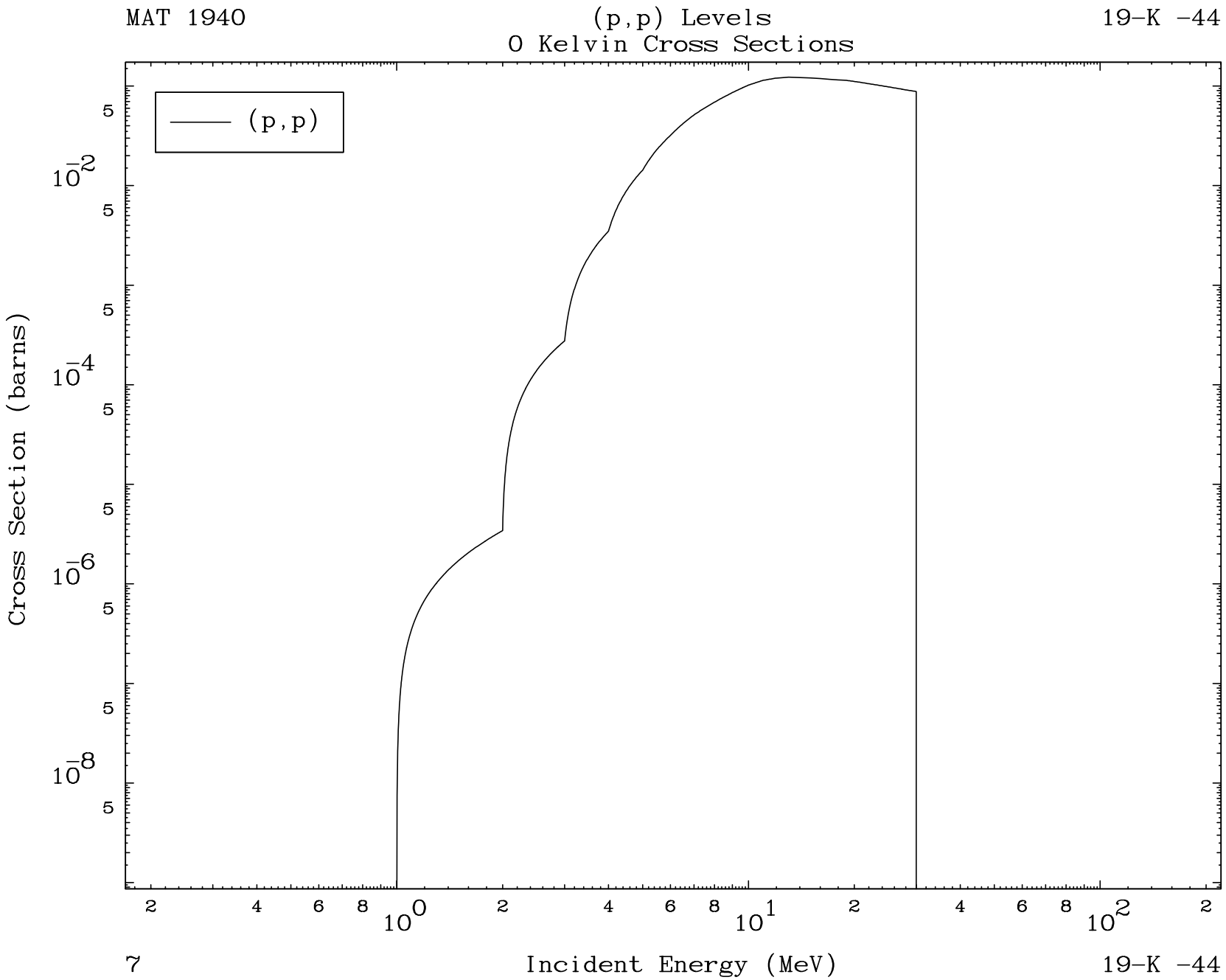

MAT 1940
Proton Neutron Production
0 Kelvin Cross Sections
19-K -44
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
Cross Section (barns)
Incident Energy (MeV)
19-K -44
2

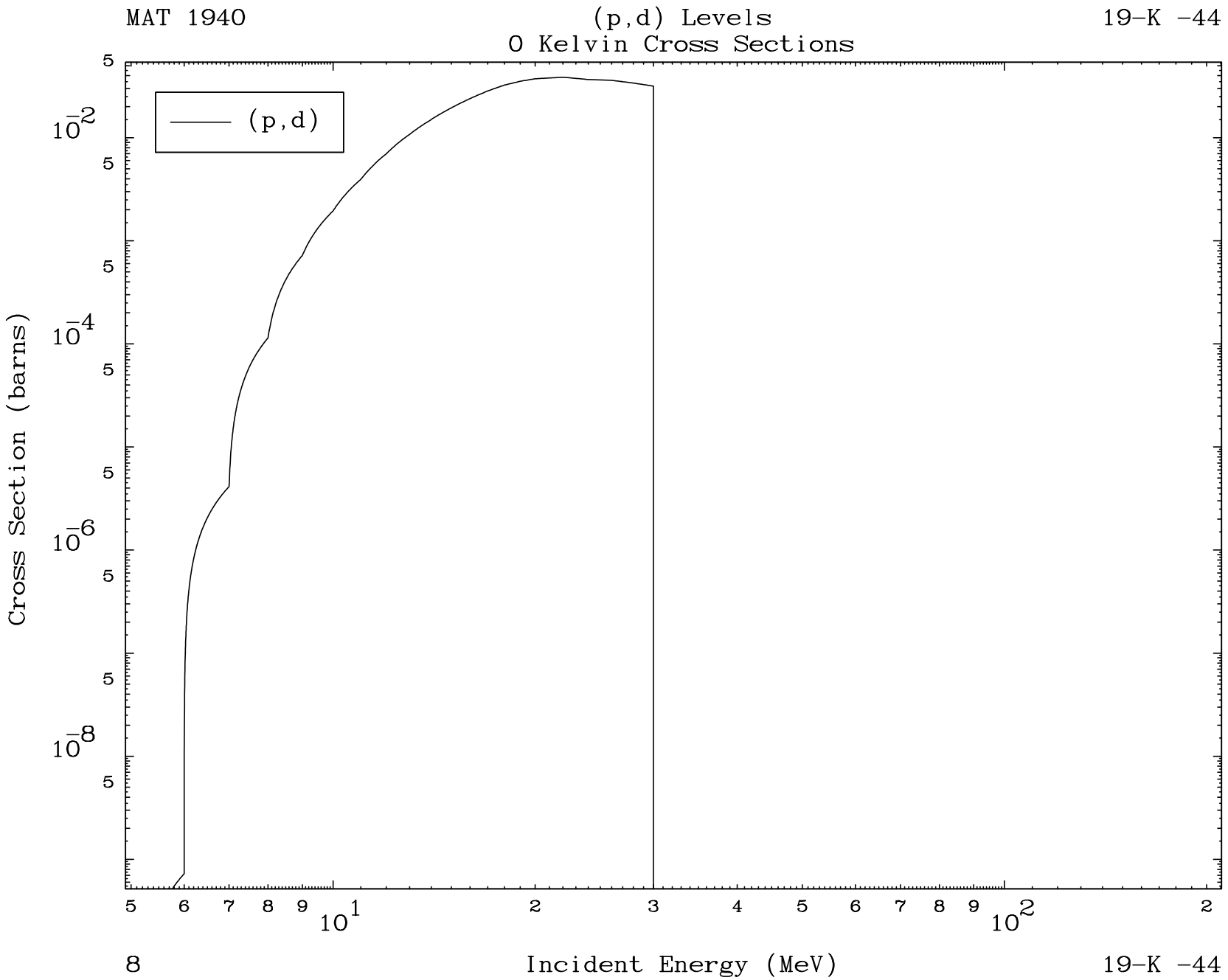

MAT 1940
Proton Neutron Production
0 Kelvin Cross Sections
19-K -44
(p,2n) 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,4n)
(p,2n) p
(p,3n) p
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
3
Incident Energy (MeV)
19-K -44

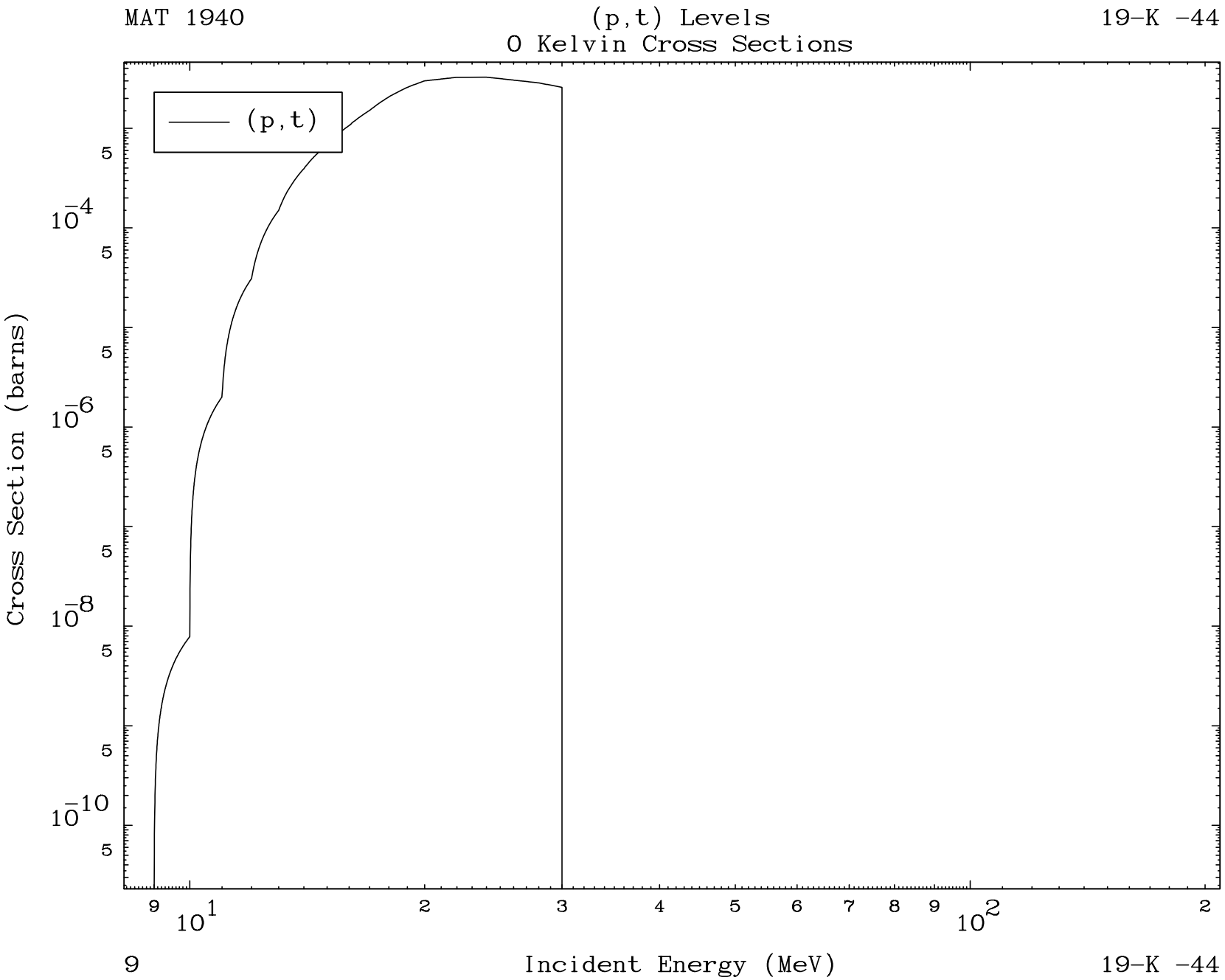

MAT 1940
Proton Charged Particle
0 Kelvin Cross Sections
19-K -44
Cross Section (barns)
Incident Energy (MeV)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
(p,2n) 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
4
19-K -44

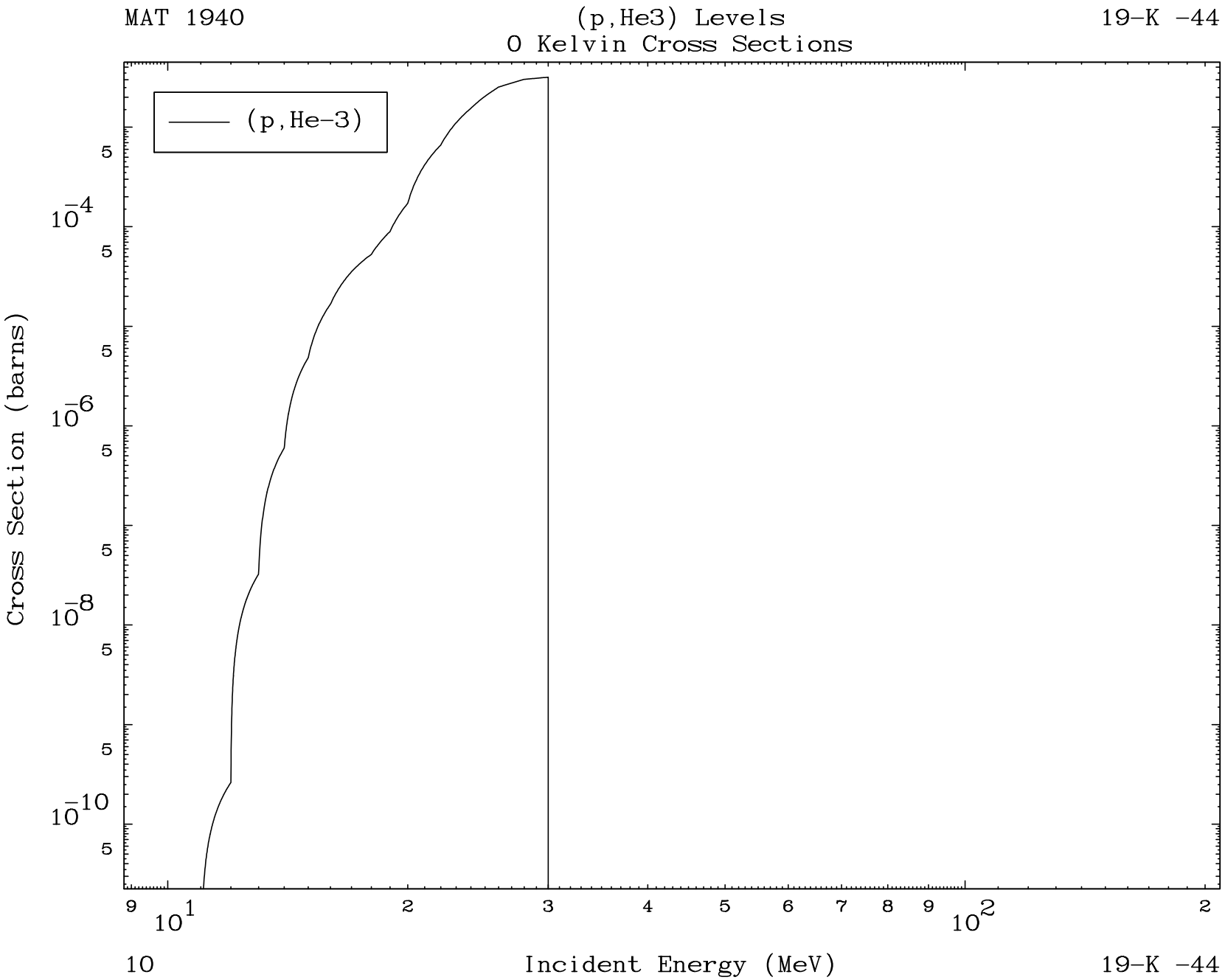

MAT 1940
Proton Charged Particle
0 Kelvin Cross Sections
19-K -44
(p,p)
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
5
19-K -44

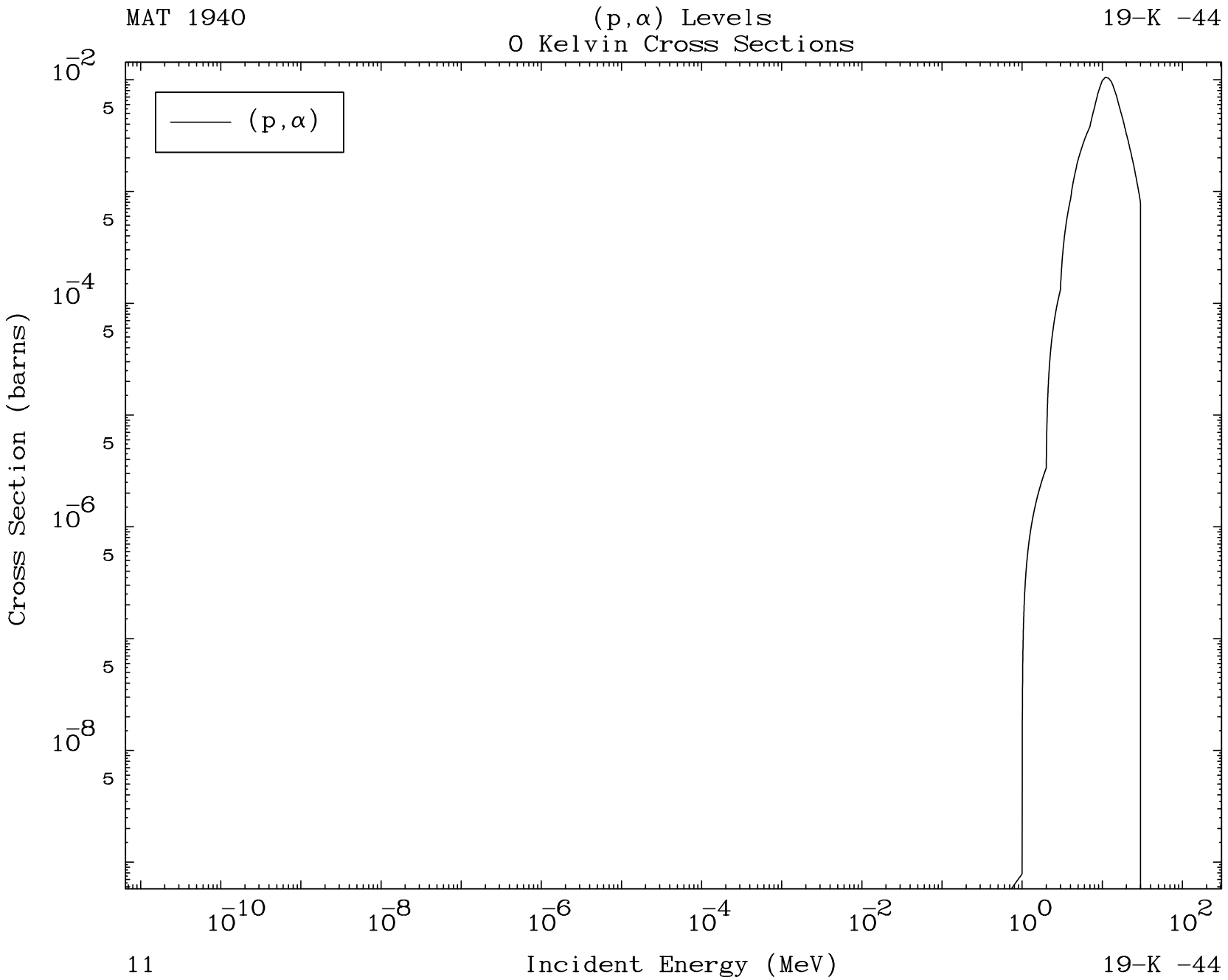

MAT 1940
(p,n') Level
19-K -44
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
19-K -44


MAT 1940
(p,p) Levels
19-K -44
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
100
101
102
2
4
6
8
Incident Energy (MeV)
7
19-K -44


MAT 1940
(p,d) Levels
19-K -44
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
5
5
5
5
5
5
5
5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
8
19-K -44


MAT 1940
(p,t) Levels
19-K -44
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10 1
10 2
19-K -44


MAT 1940
(p,He3) Levels
19-K -44
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^1
10^2
19-K -44


MAT 1940
(p,α) Levels
19-K -44
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
11
19-K -44