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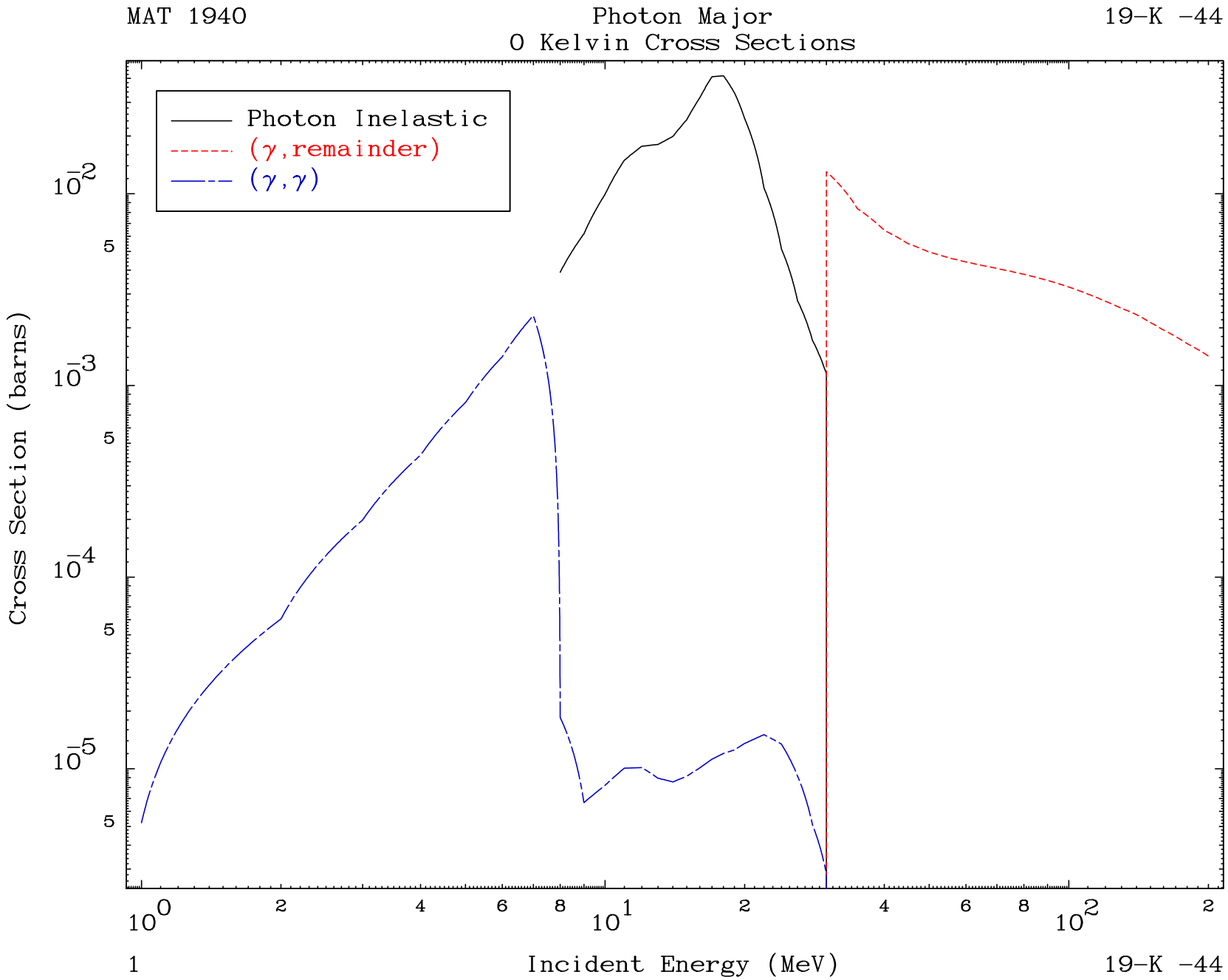
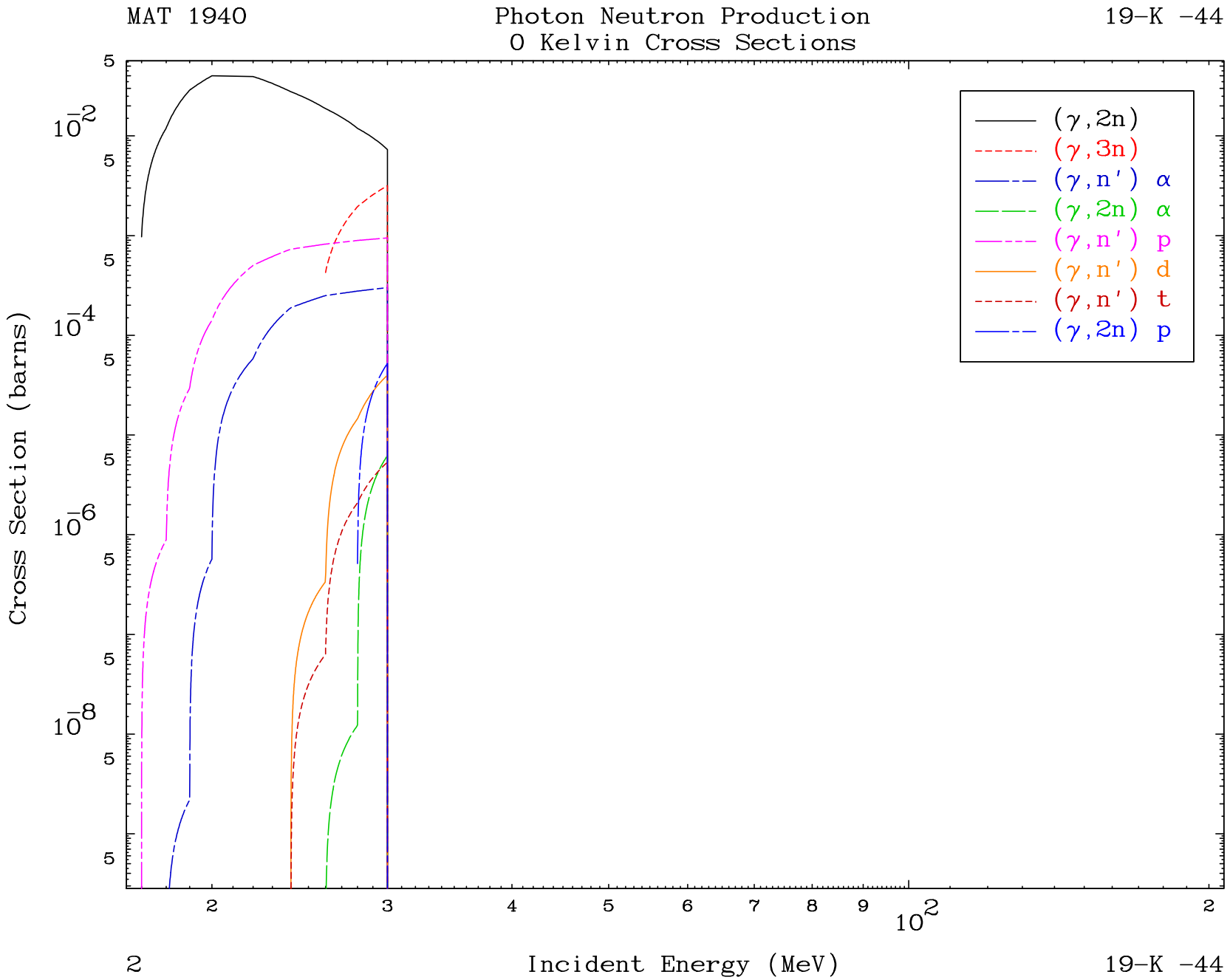
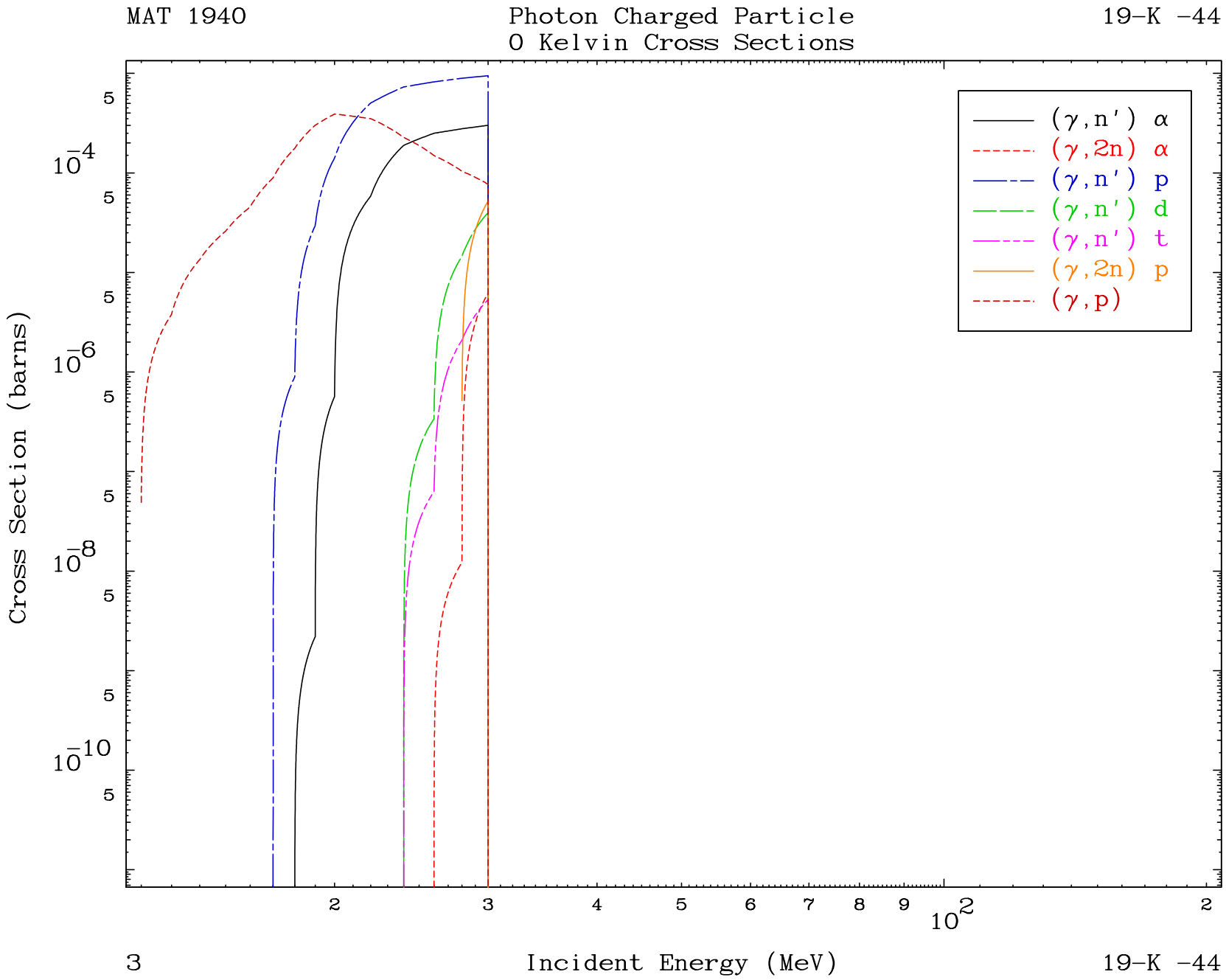
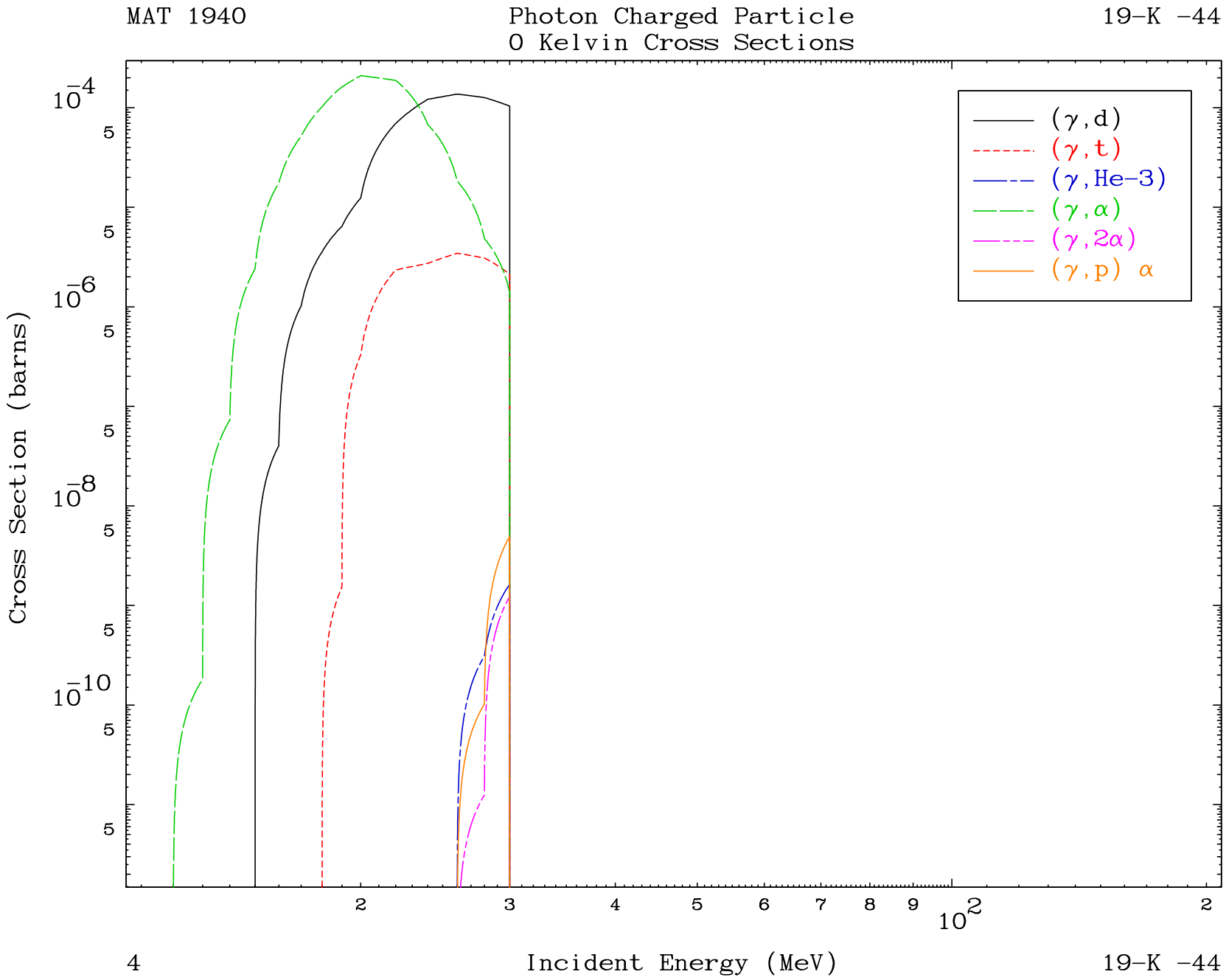
Press Mouse Button to Start

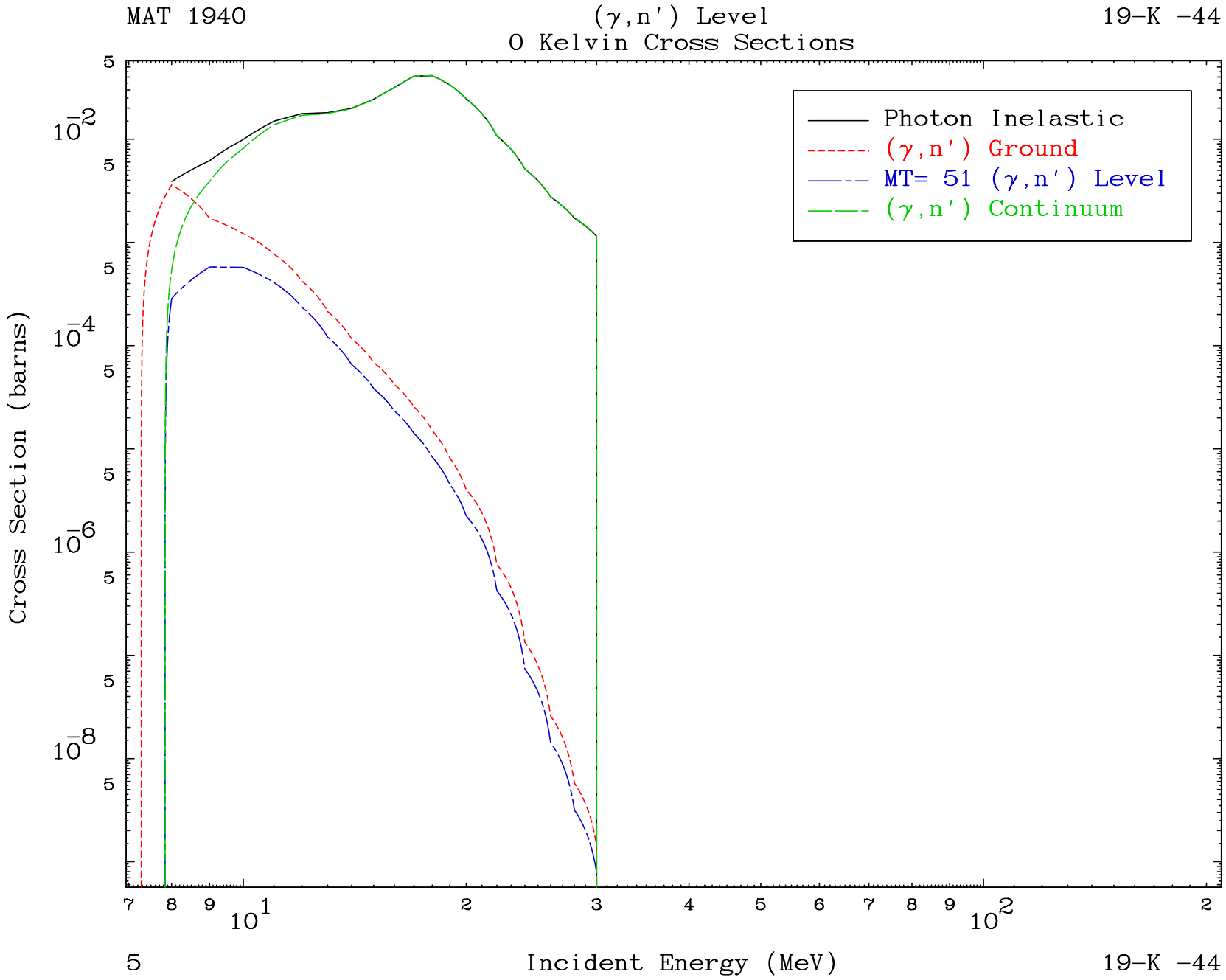


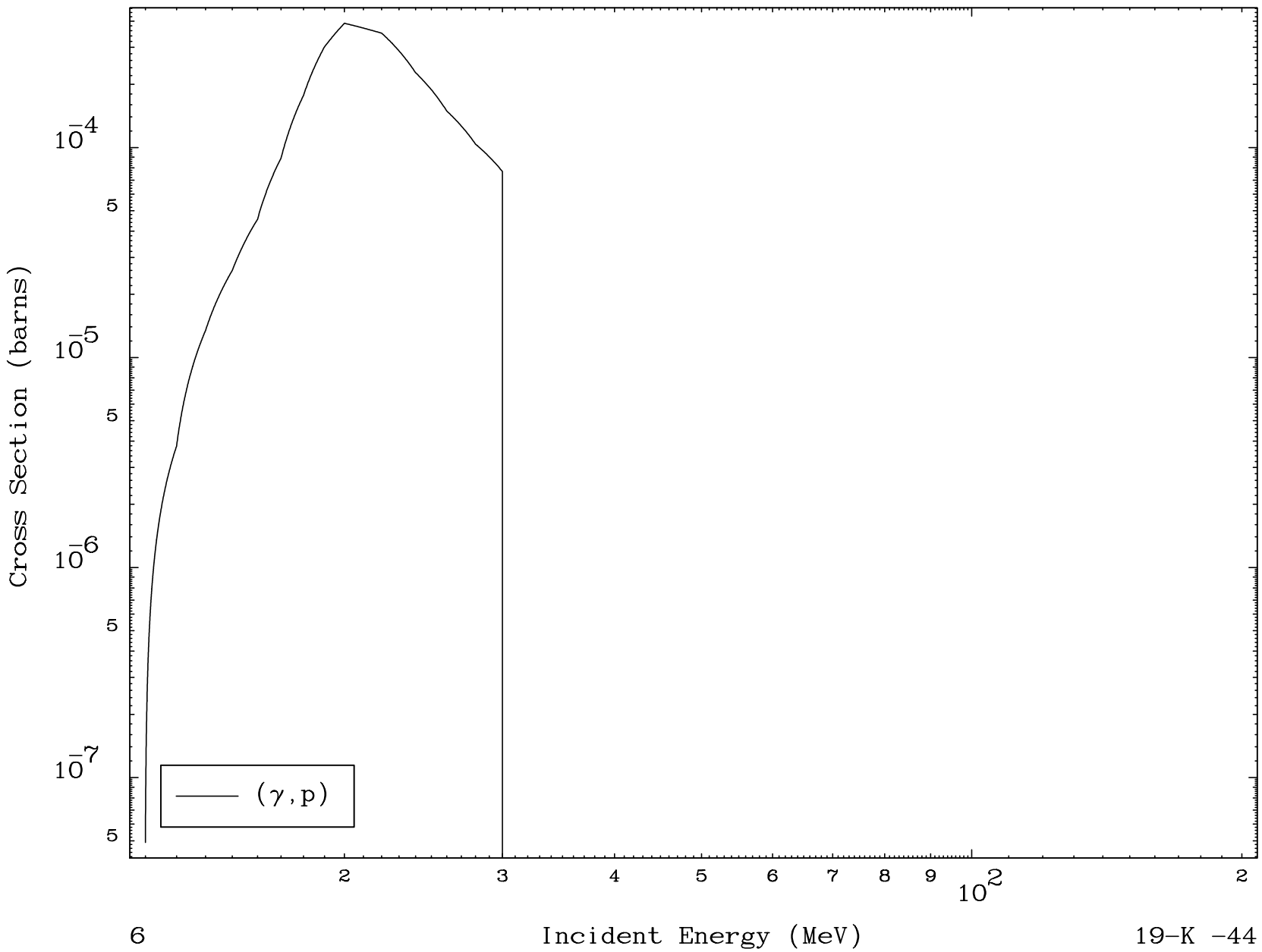
MAT 1940
Photon Major
0 Kelvin Cross Sections
19-K -44
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
1
19-K -44

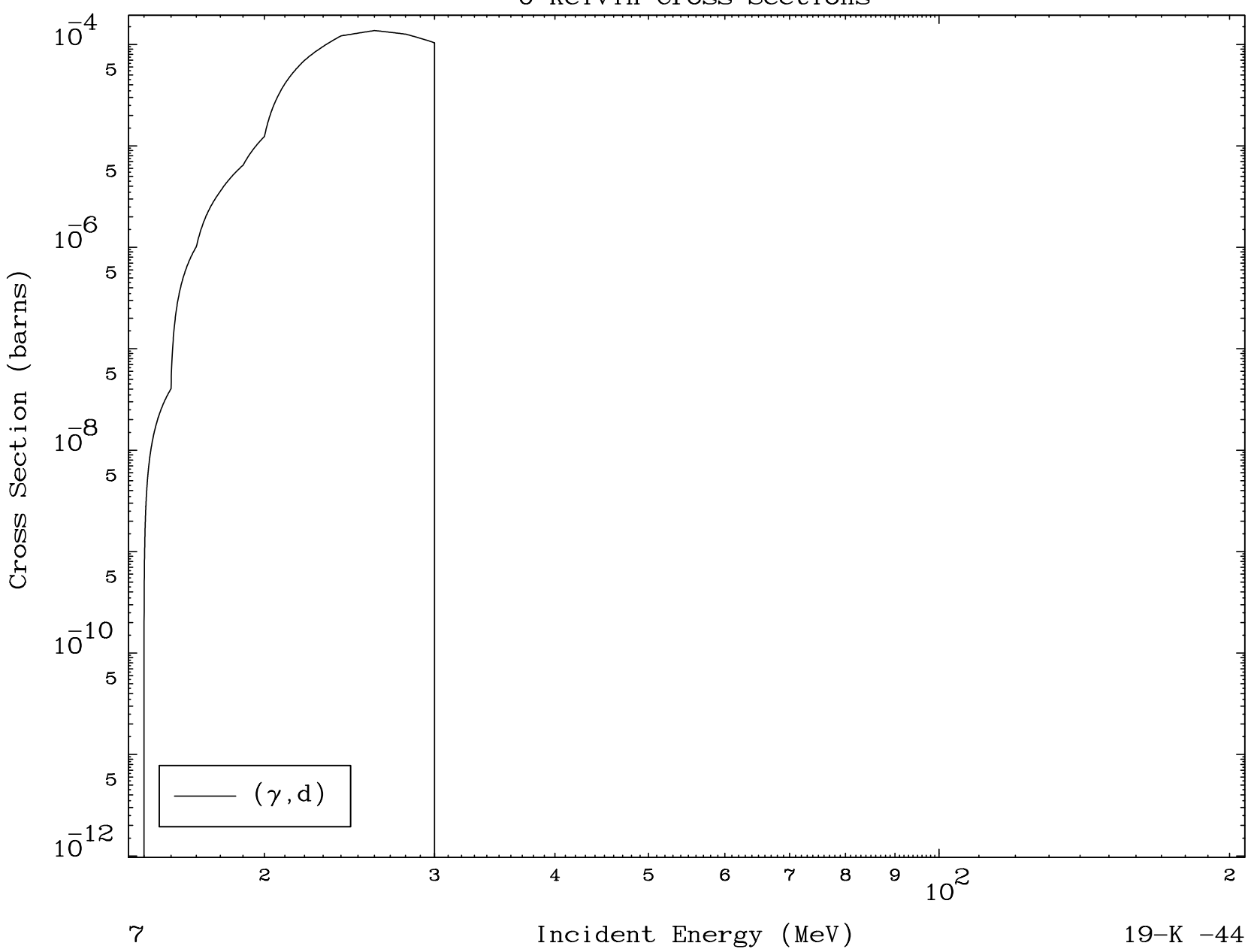

MAT 1940
Photon Neutron Production
0 Kelvin Cross Sections
19-K -44
Cross Section (barns)
10-2
10-4
10-6
10-8
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
19-K -44


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

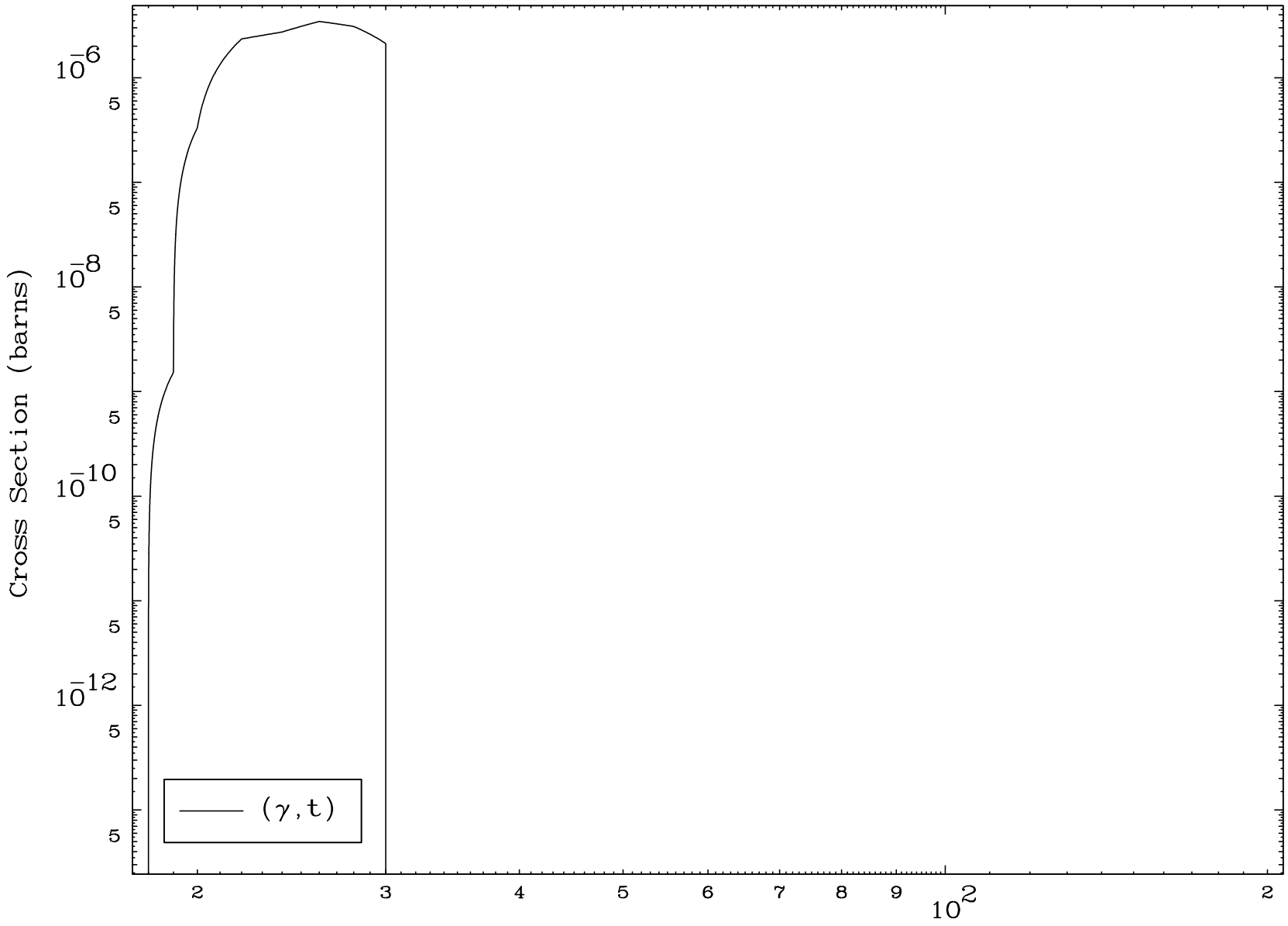

MAT 1940
Photon Charged Particle
0 Kelvin Cross Sections
19-K -44
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
(γ,d)
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,p) α
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
4
19-K -44

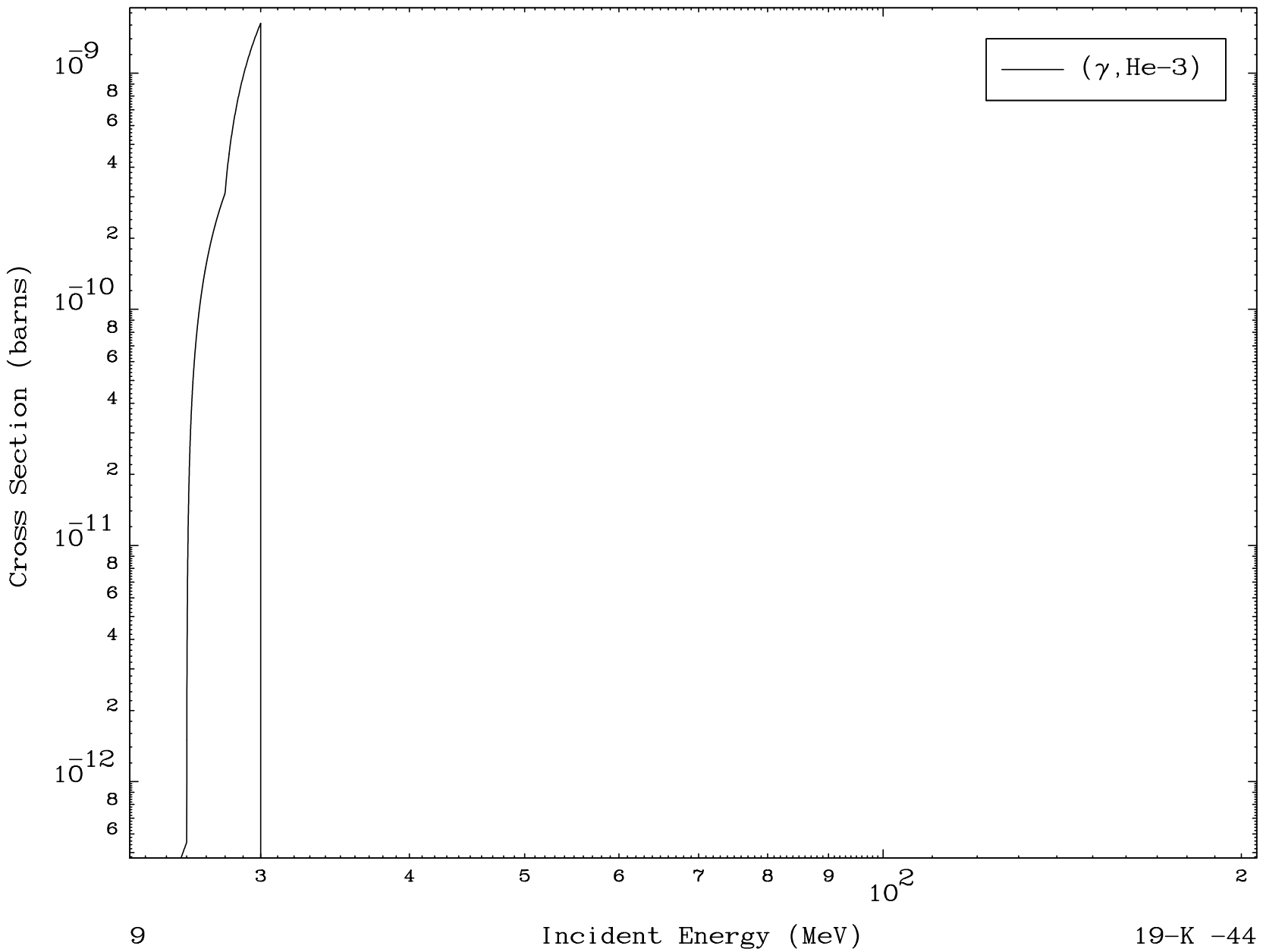

MAT 1940
(γ,n') Level
19-K -44
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
19-K -44

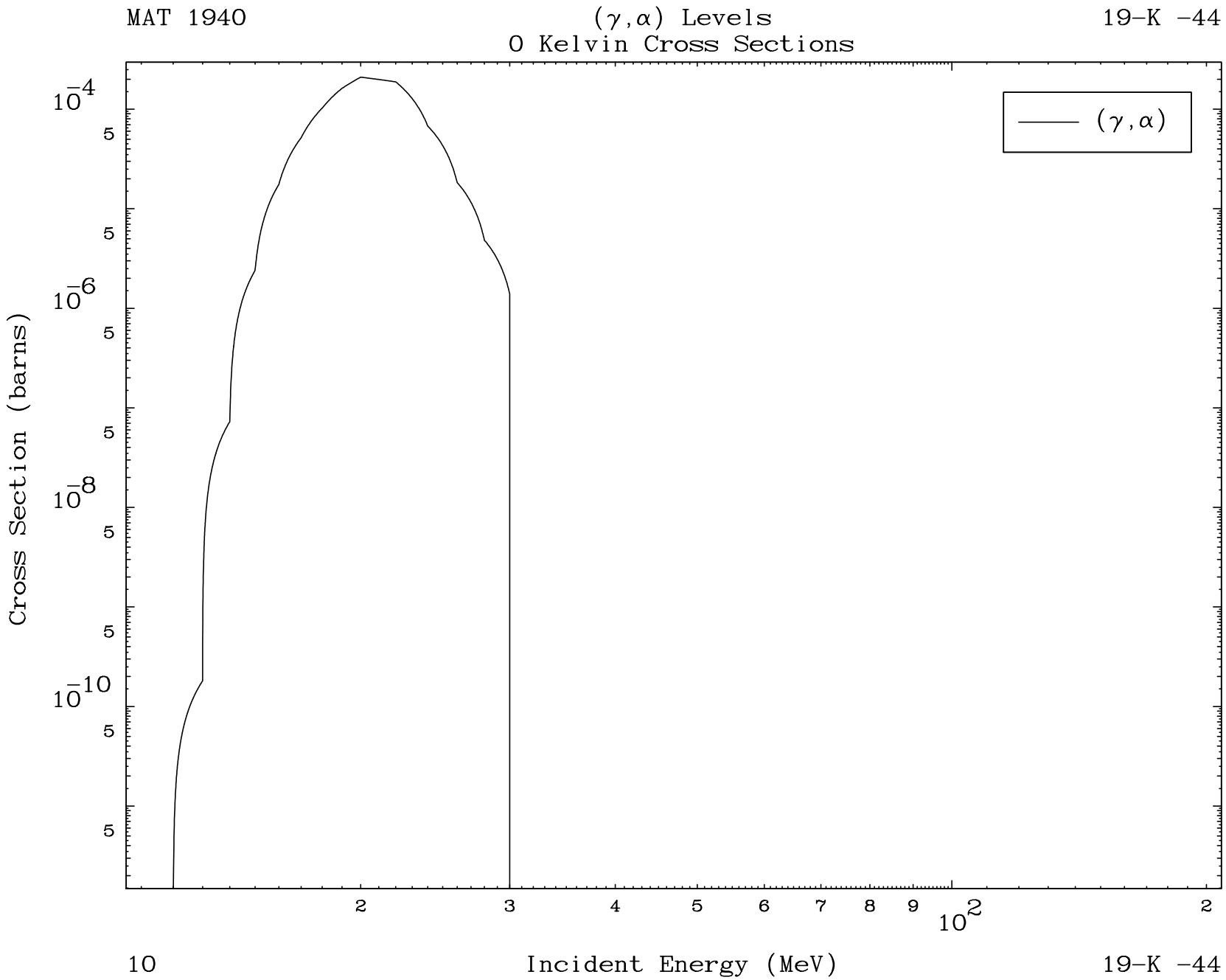

0 Kelvin Cross Sections
Cross Section (barns)
10^-4
5
10^-5
5
10^-6
5
10^-7
5
(γ,p)
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

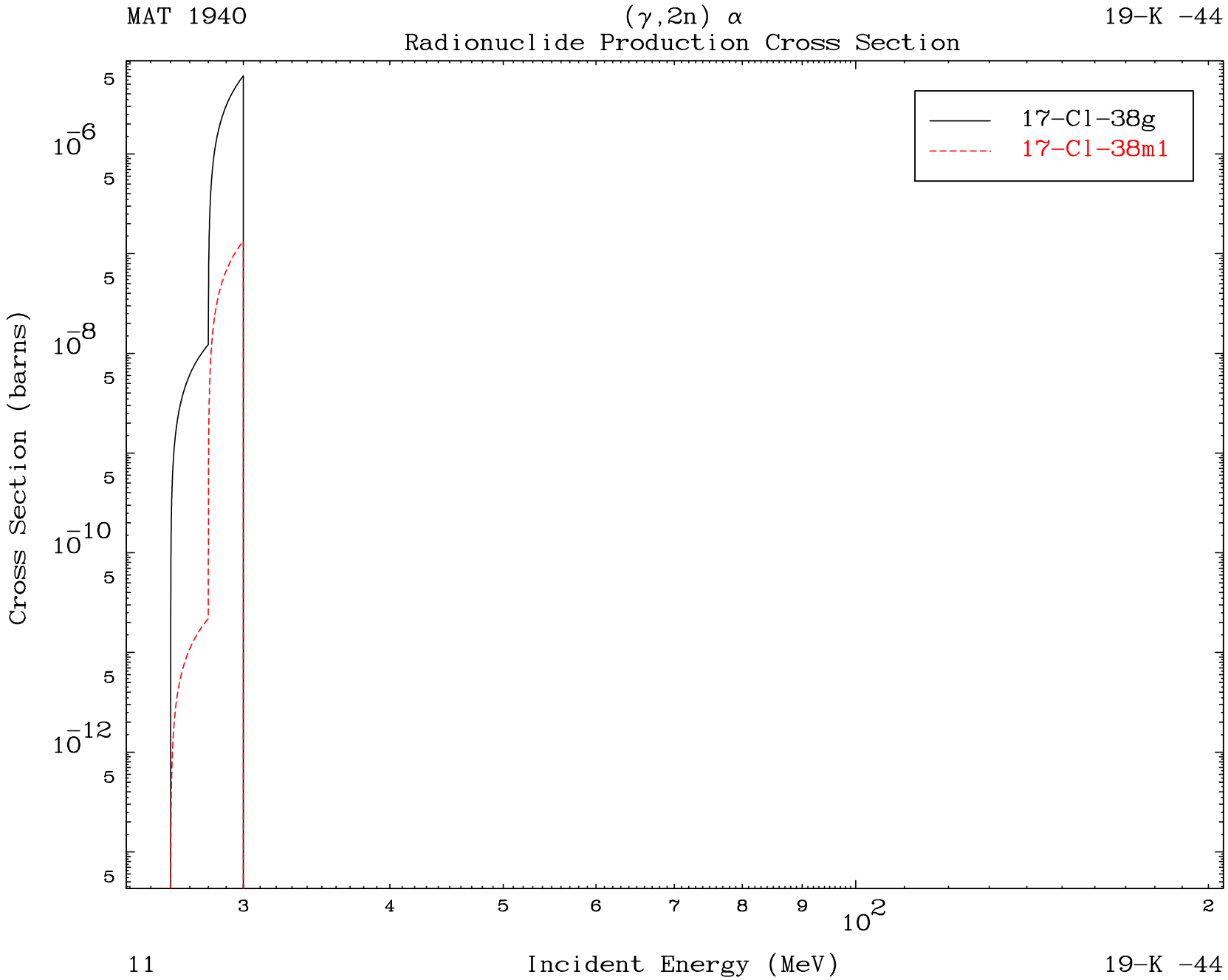

0 Kelvin Cross Sections
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
10^-12
5
(γ,d)
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

0 Kelvin Cross Sections




0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10-9
10-10
10-11
10-12
8
6
4
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)


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


MAT 1940
(γ,2n) α
19-K -44
Radionuclide Production Cross Section
17-Cl-38g
17-Cl-38m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
19-K -44