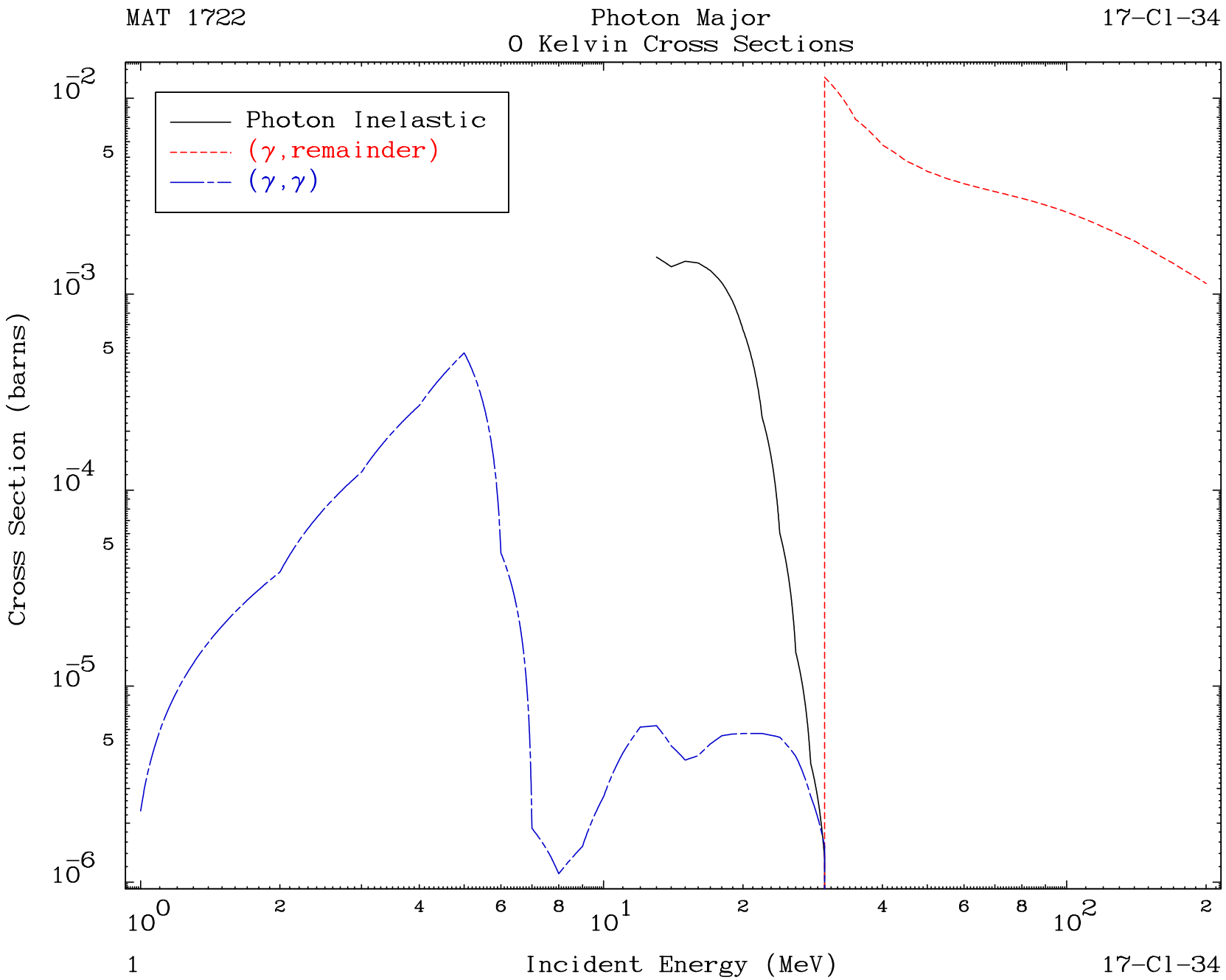
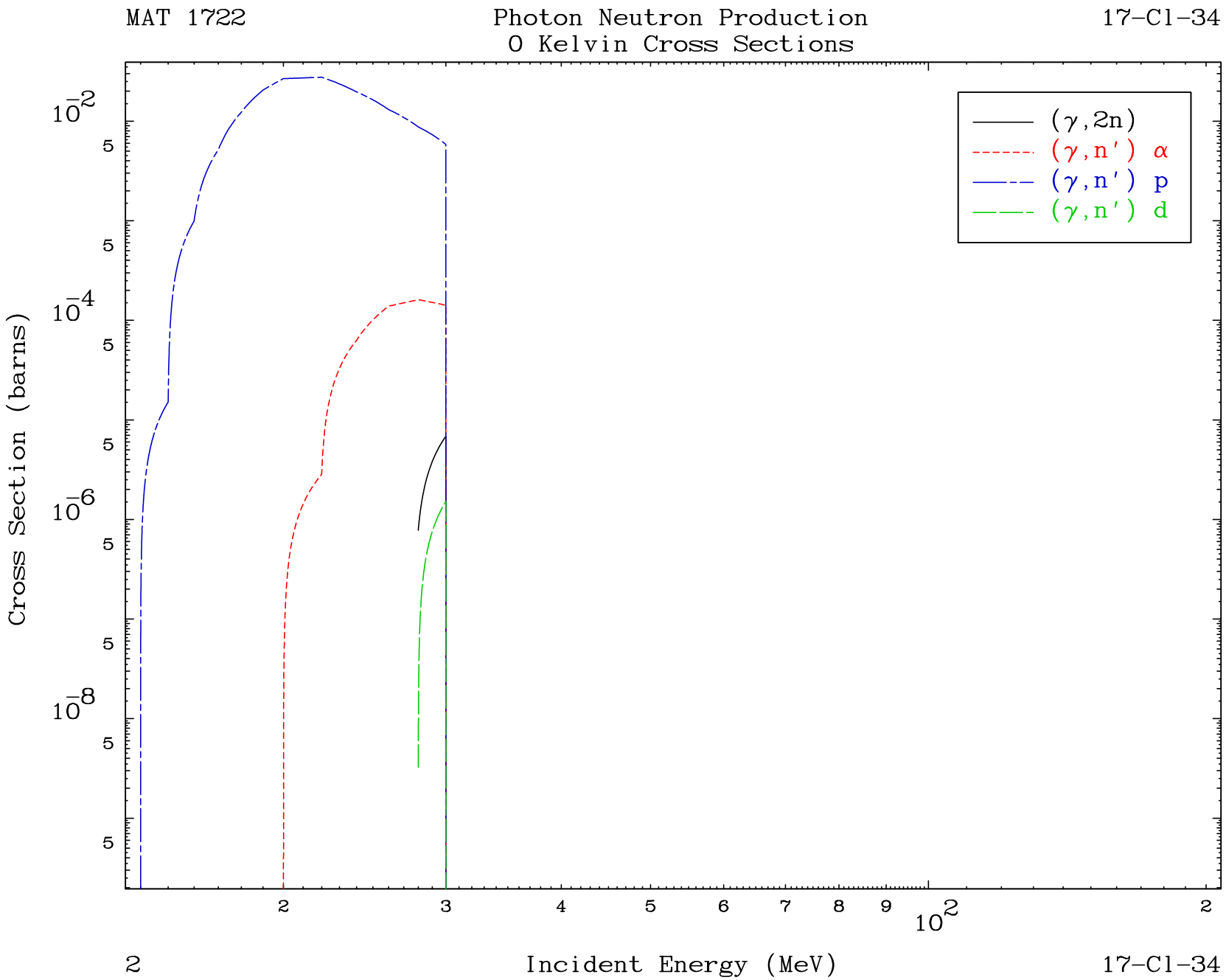
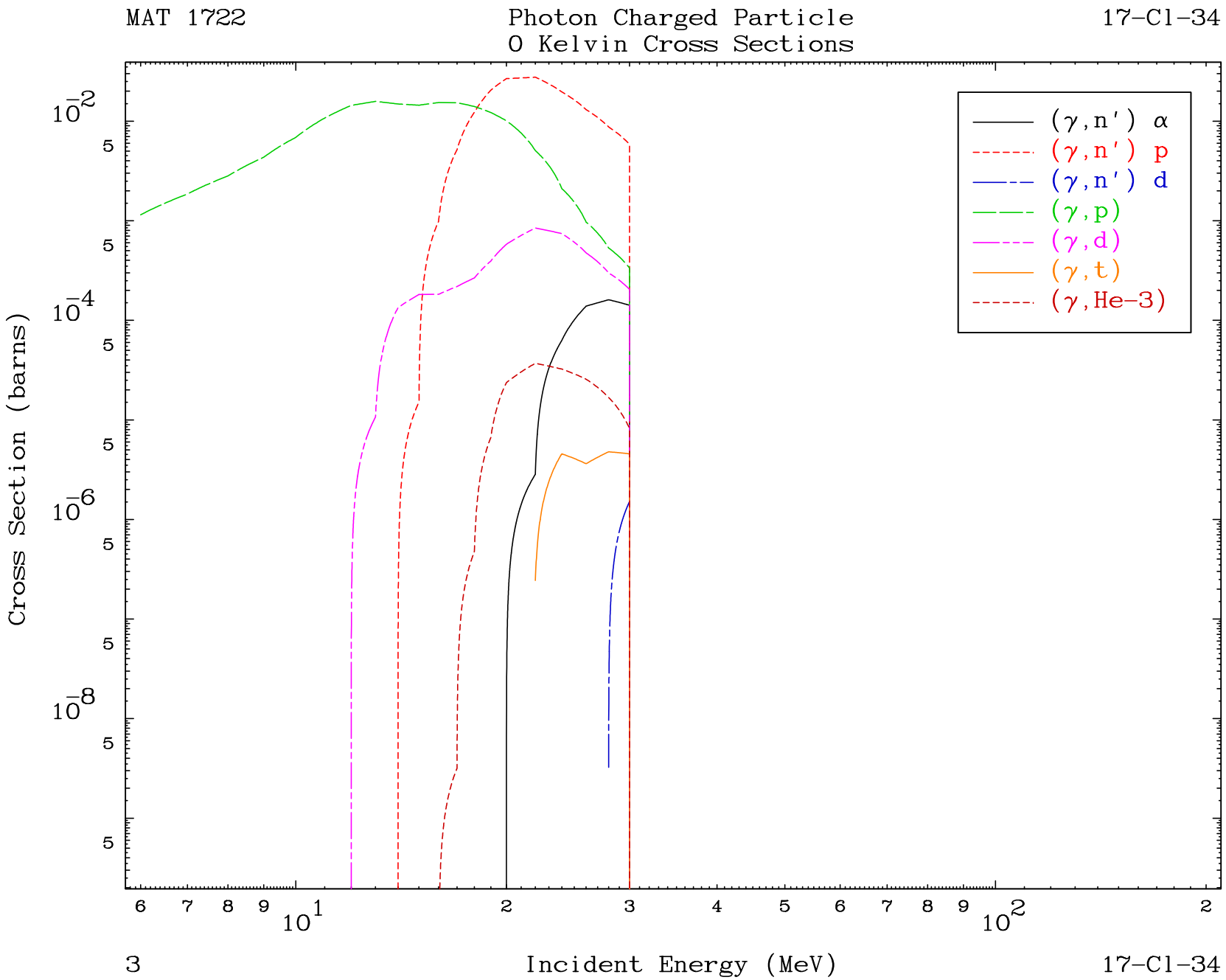
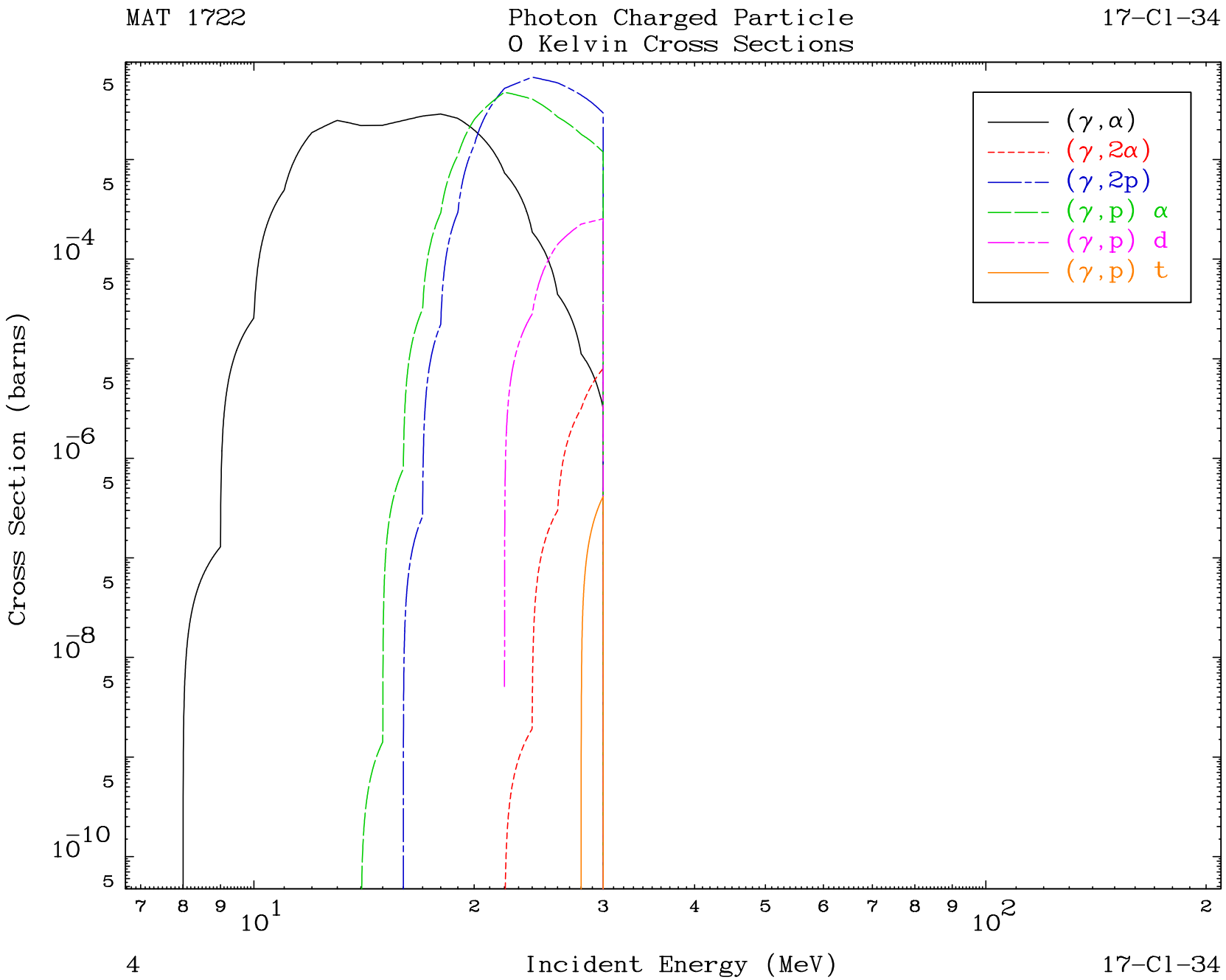
Program EVALPLOT
(Version 2017-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

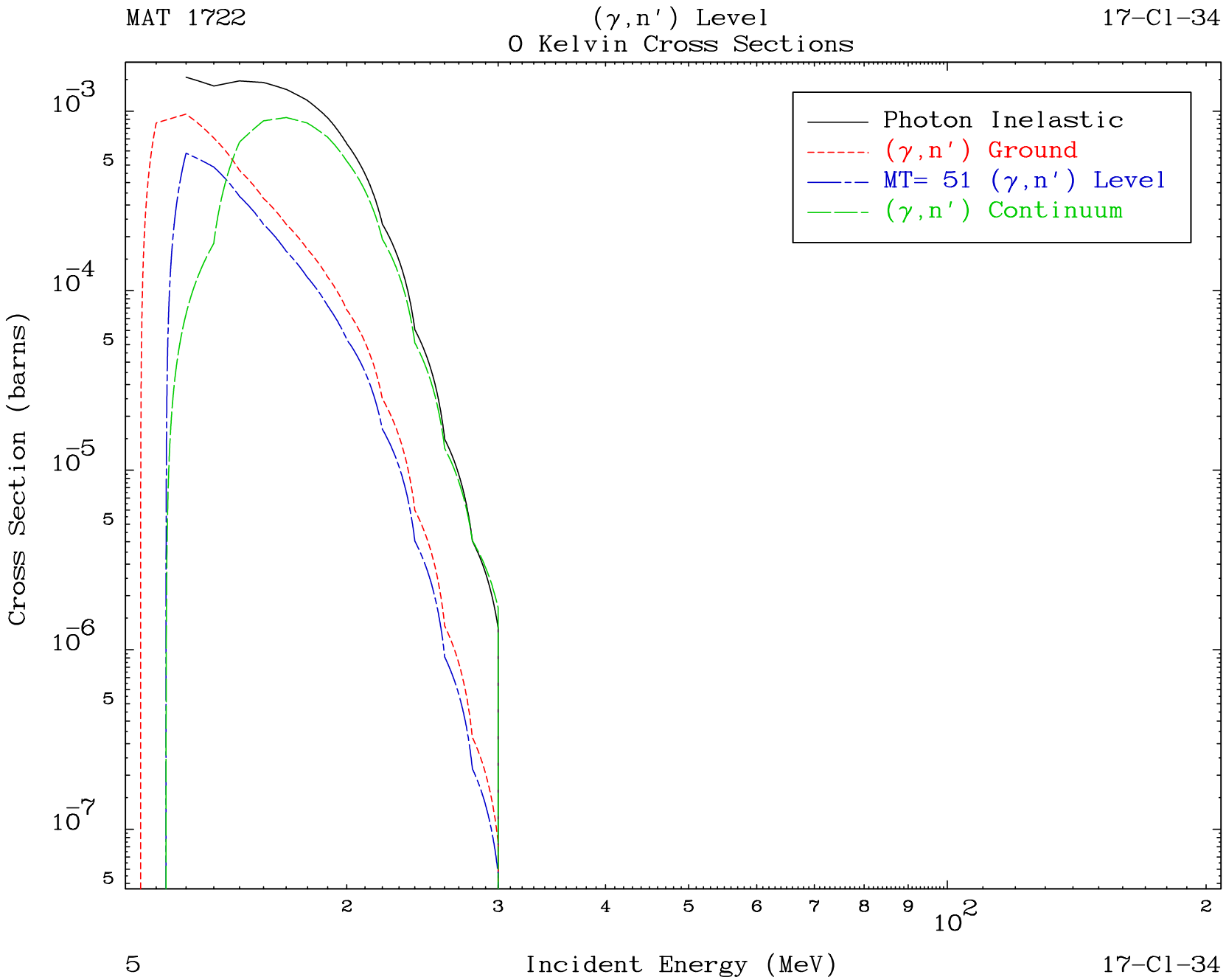
Press Mouse Button to Start

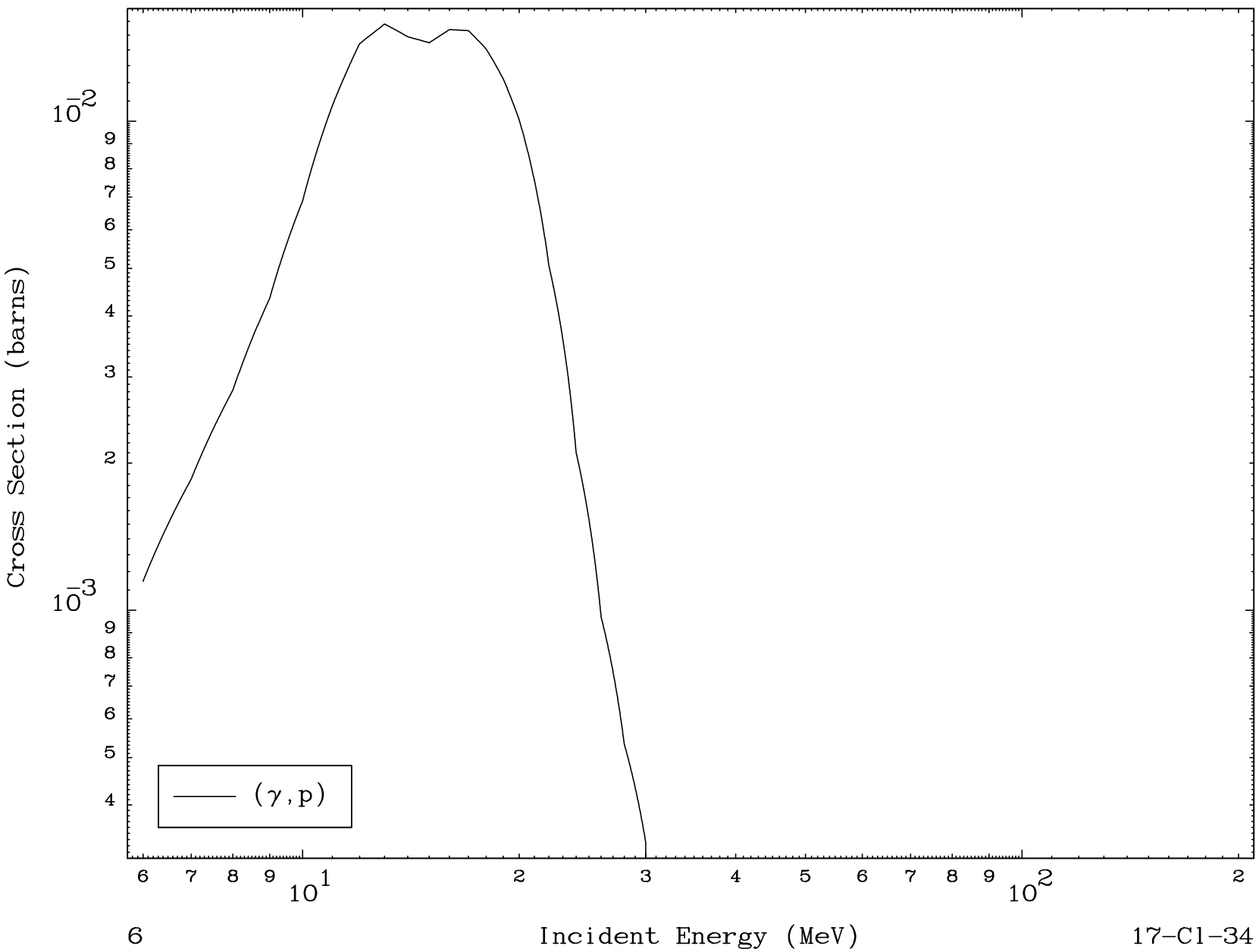

MAT 1722
Photon Major
17-Cl-34
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
17-Cl-34

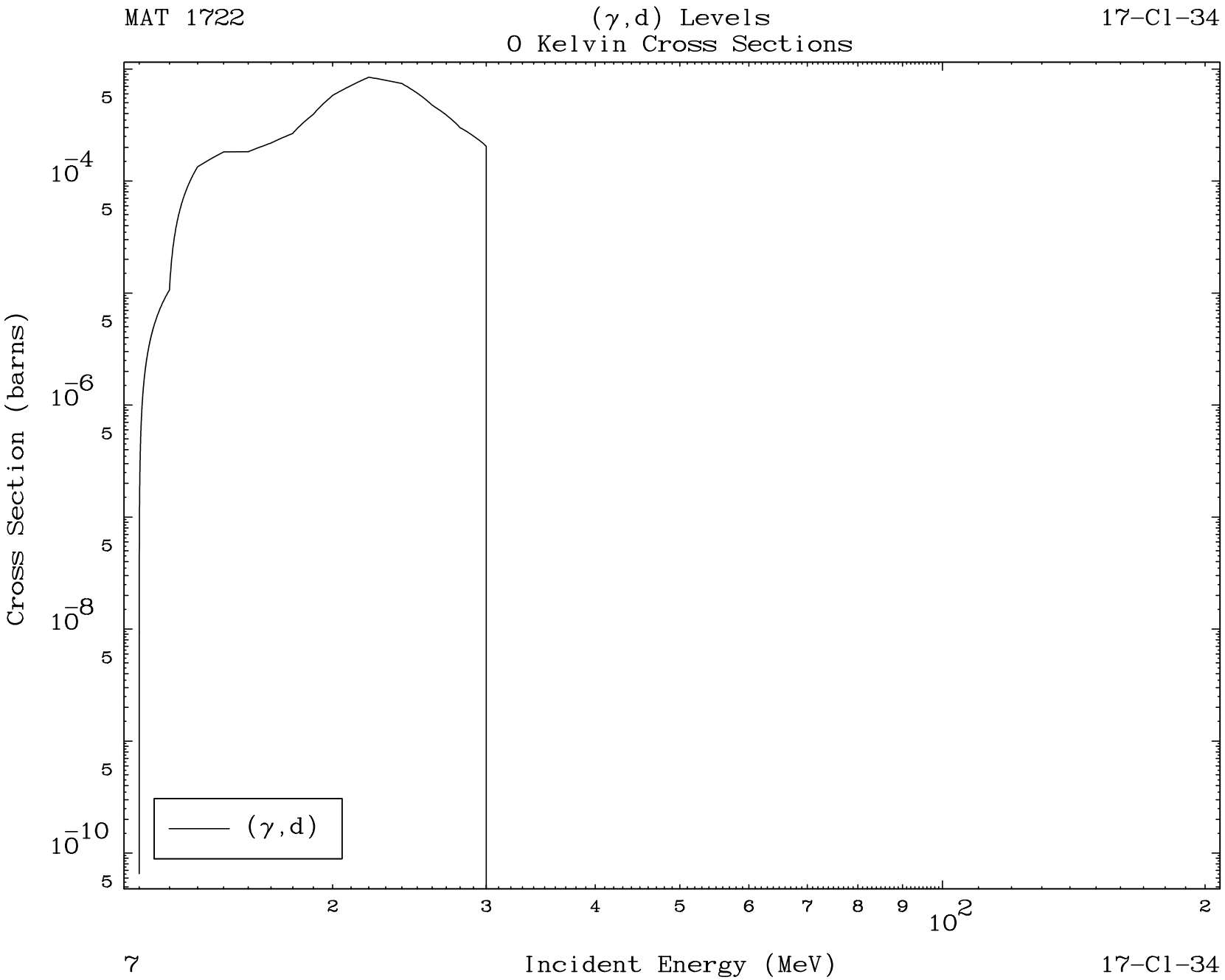

MAT 1722
Photon Neutron Production
0 Kelvin Cross Sections
17-Cl-34
(γ,2n)
(γ,n') α
(γ,n') p
(γ,n') d
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
2
3
4
5
6
7
8
9
10 2
2
17-Cl-34

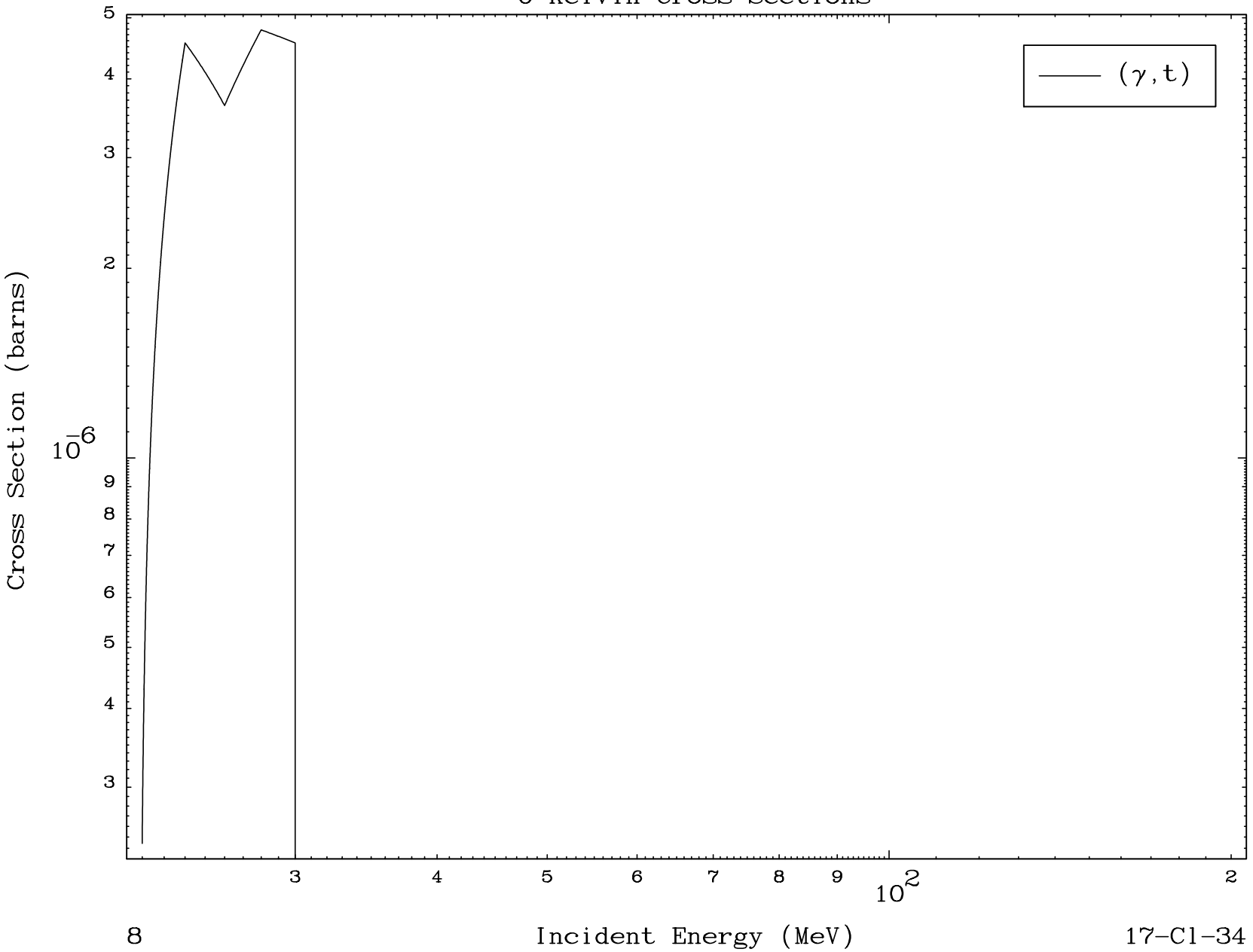

MAT 1722
Photon Charged Particle
0 Kelvin Cross Sections
17-Cl-34
Cross Section (barns)
Incident Energy (MeV)
(γ,n') α
(γ,n') p
(γ,n') d
(γ,p)
(γ,d)
(γ,t)
(γ,He-3)
3
17-Cl-34

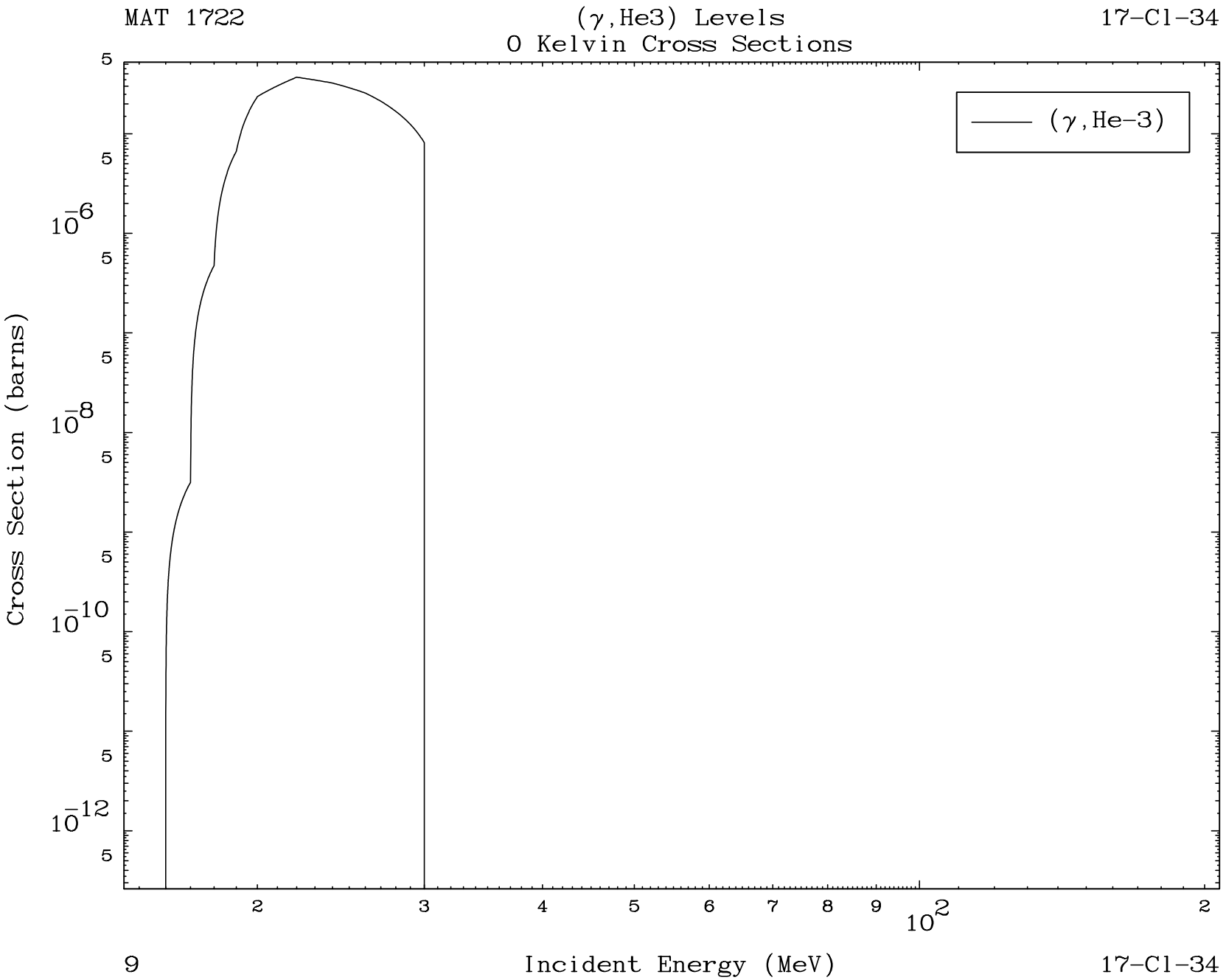

MAT 1722
Photon Charged Particle
0 Kelvin Cross Sections
17-Cl-34
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
(γ,p) t
Cross Section (barns)
Incident Energy (MeV)
4
17-Cl-34

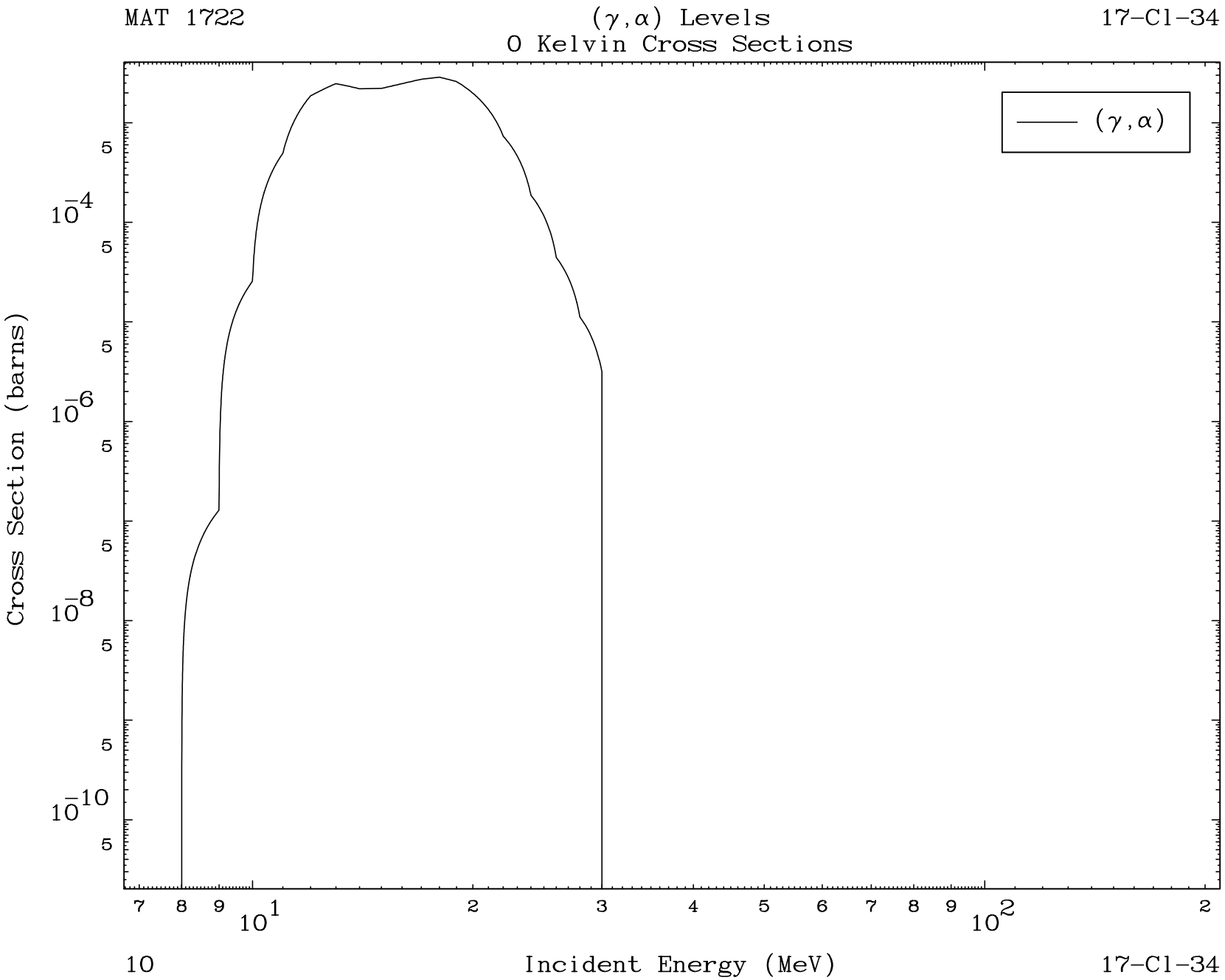

MAT 1722
(γ,n') Level
17-Cl-34
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-3
10-4
10-5
10-6
10-7
5
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
17-Cl-34

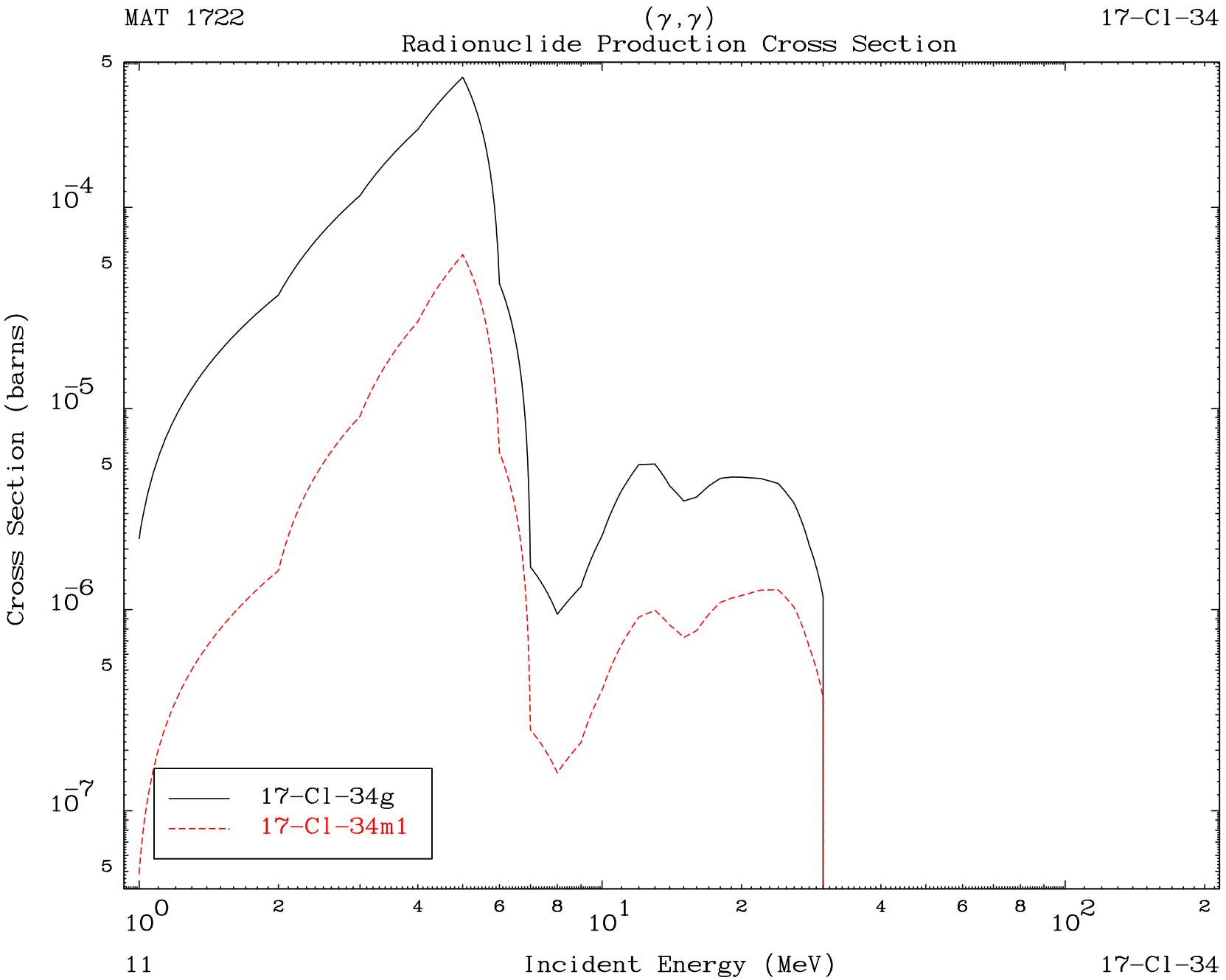

0 Kelvin Cross Sections
Cross Section (barns)
10-2
10-3
9 8 7 6 5 4 3 2
9 8 7 6 5 4
(γ,p)
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)

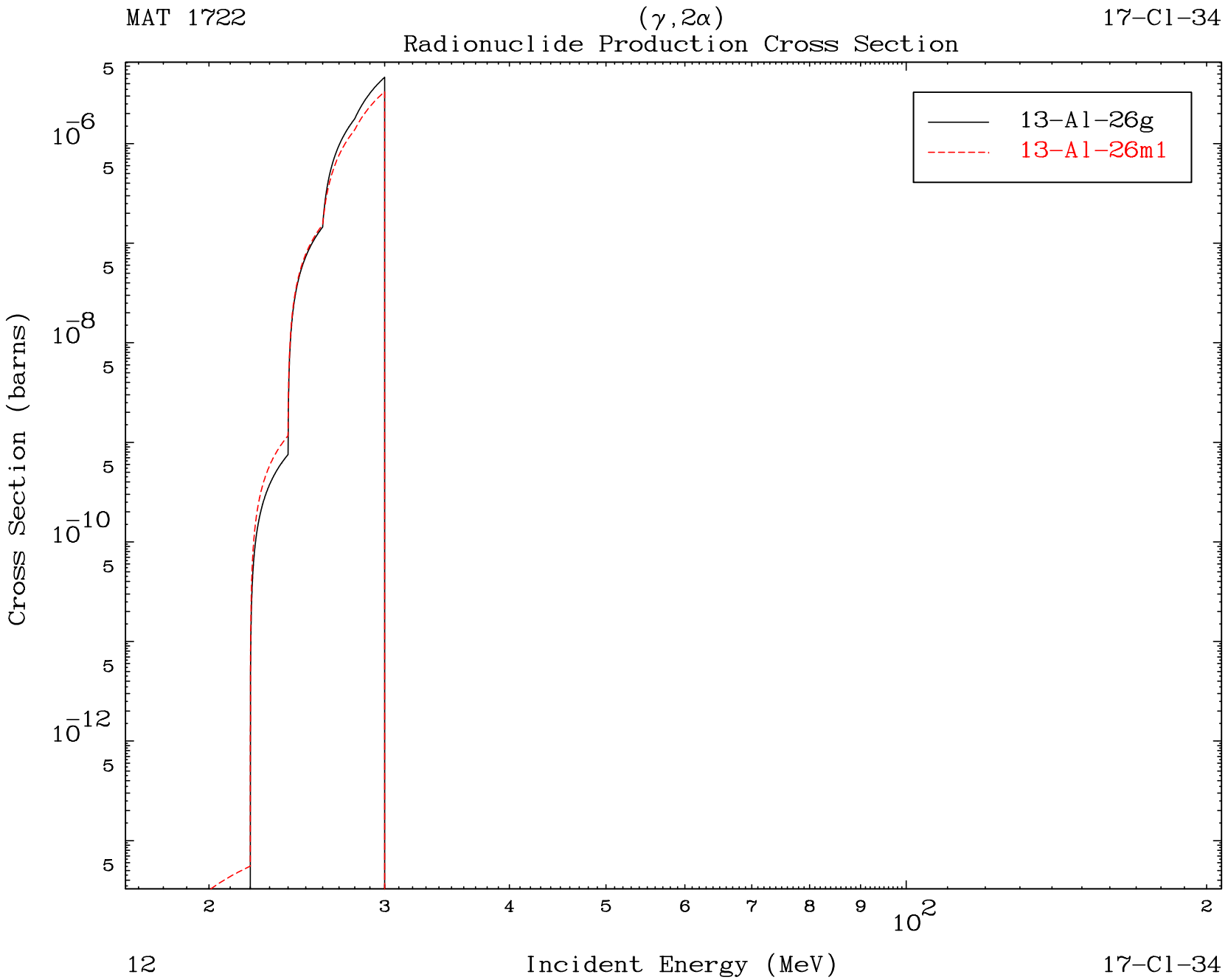

MAT 1722
(γ,d) Levels
17-Cl-34
0 Kelvin Cross Sections
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
(γ,d)
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
17-Cl-34


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


MAT 1722
(γ,He3) Levels
17-Cl-34
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
17-Cl-34


MAT 1722
(γ,α) Levels
17-Cl-34
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
10
Incident Energy (MeV)
17-Cl-34


MAT 1722
(γ,γ)
17-Cl-34
Radionuclide Production Cross Section
Cross Section (barns)
10-4
10-5
10-6
10-7
5
100
2
4
6
8
101
102
Incident Energy (MeV)
17-Cl-34g
17-Cl-34m1
11
17-Cl-34


MAT 1722
(γ,2α)
17-Cl-34
Radionuclide Production Cross Section
13-Al-26g
13-Al-26m1
Cross Section (barns)
Incident Energy (MeV)
12
17-Cl-34