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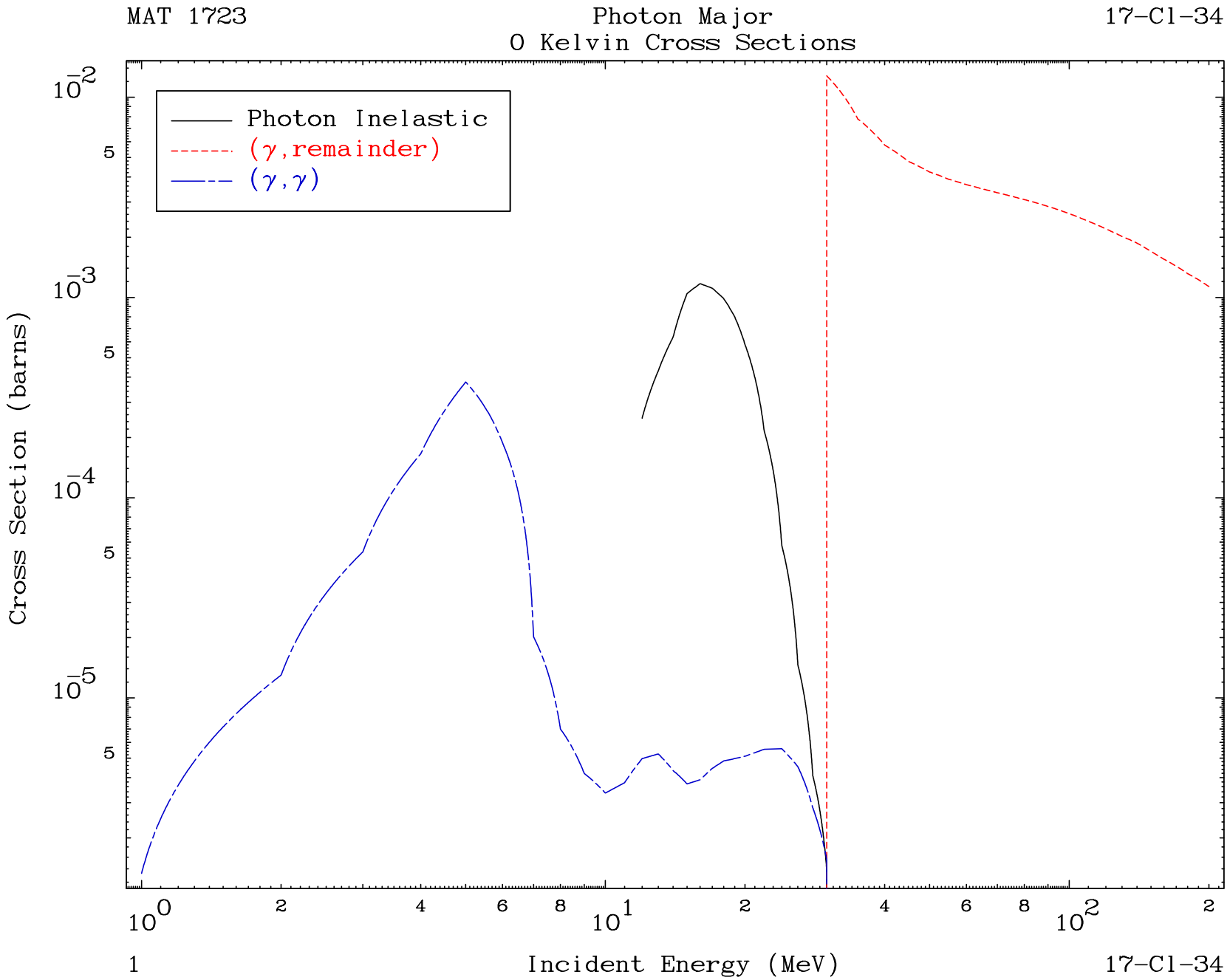
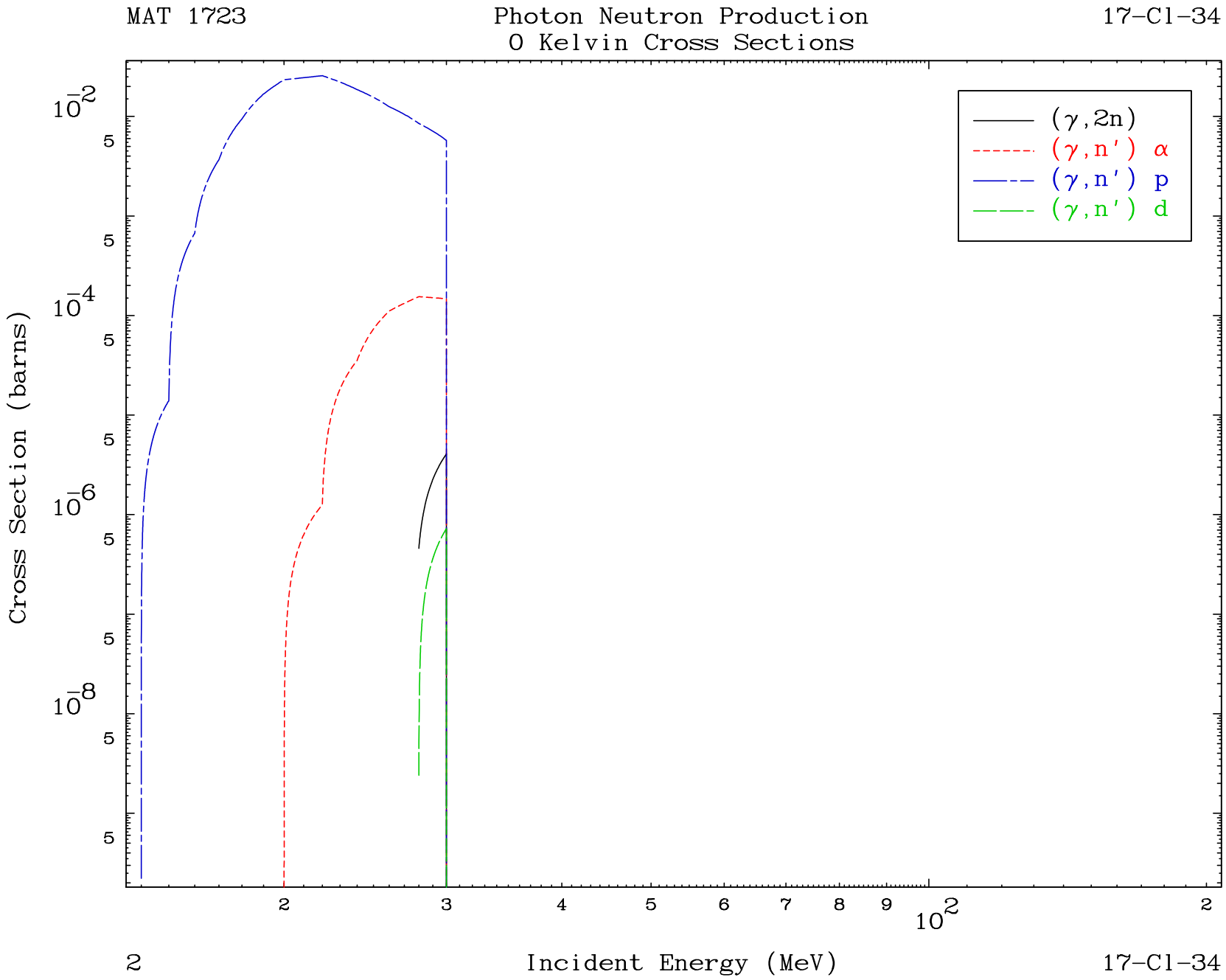
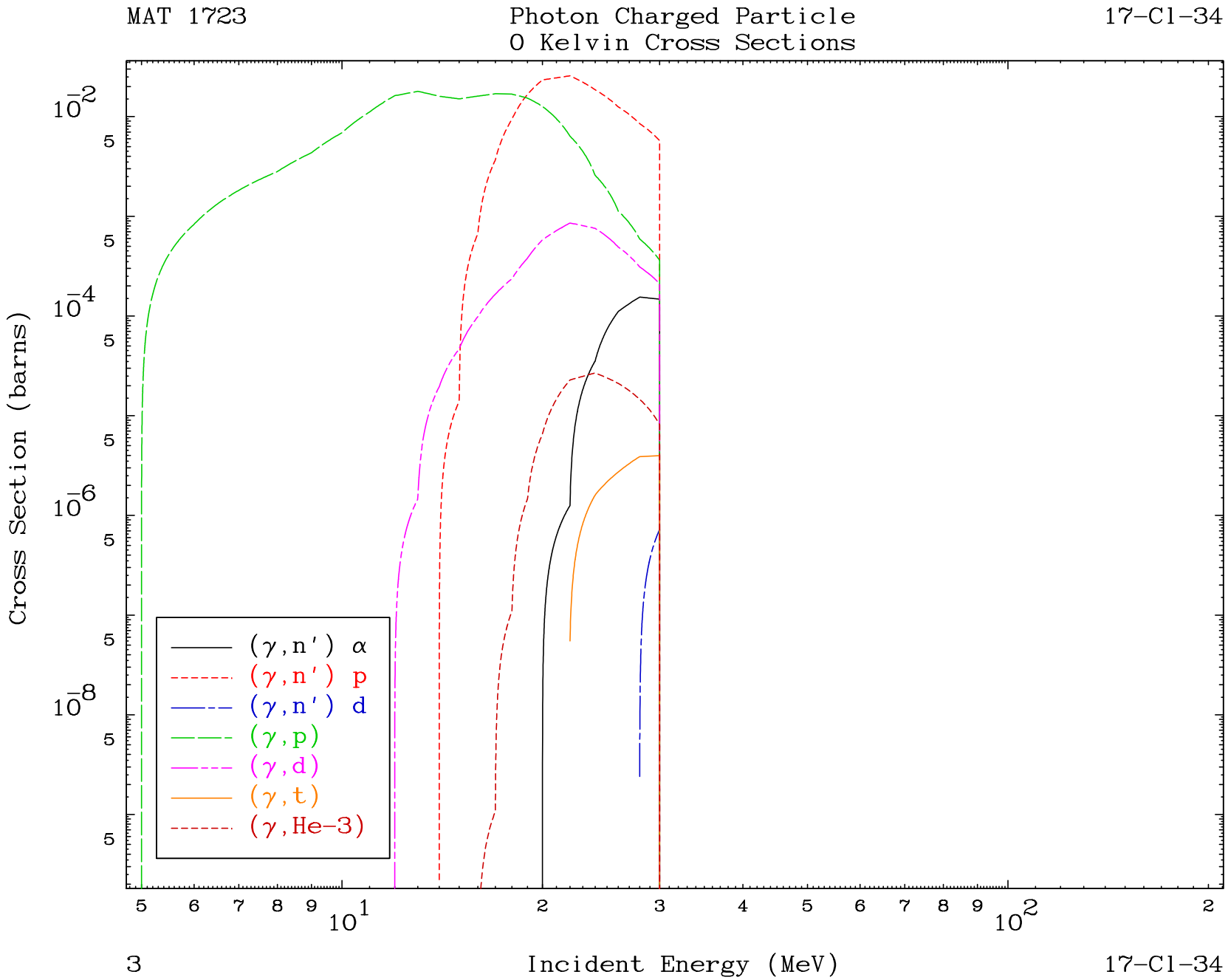
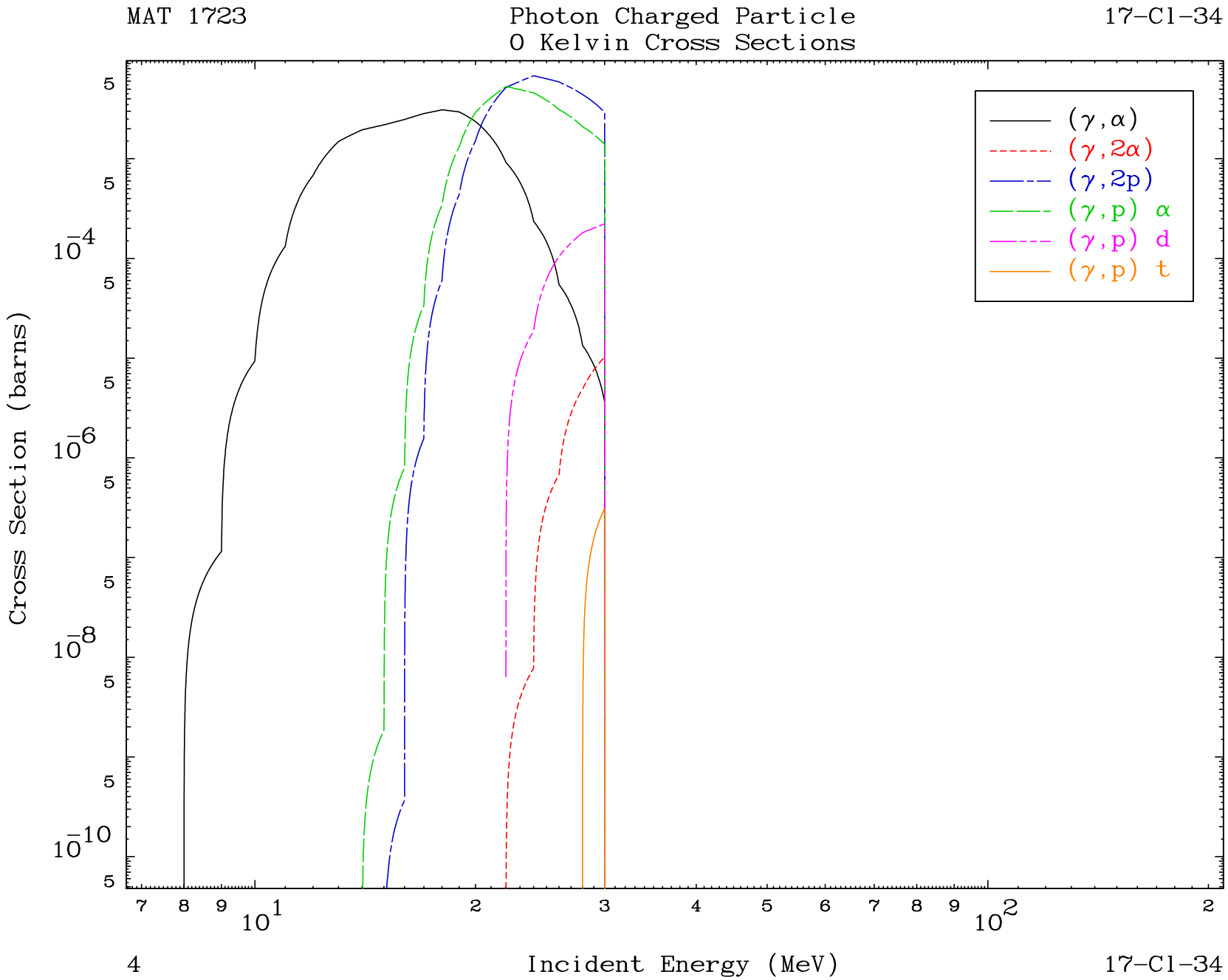
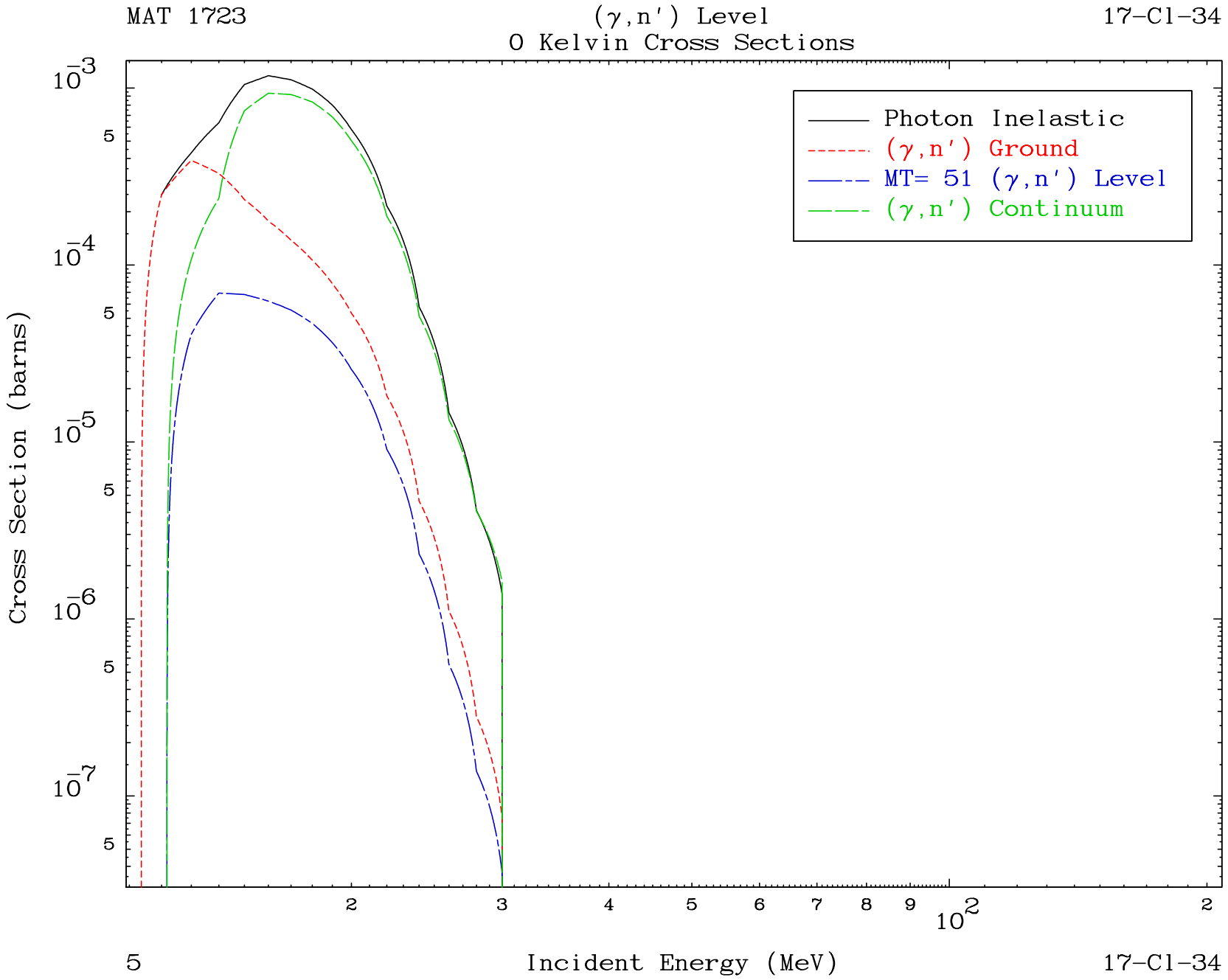
Press Mouse Button to Start

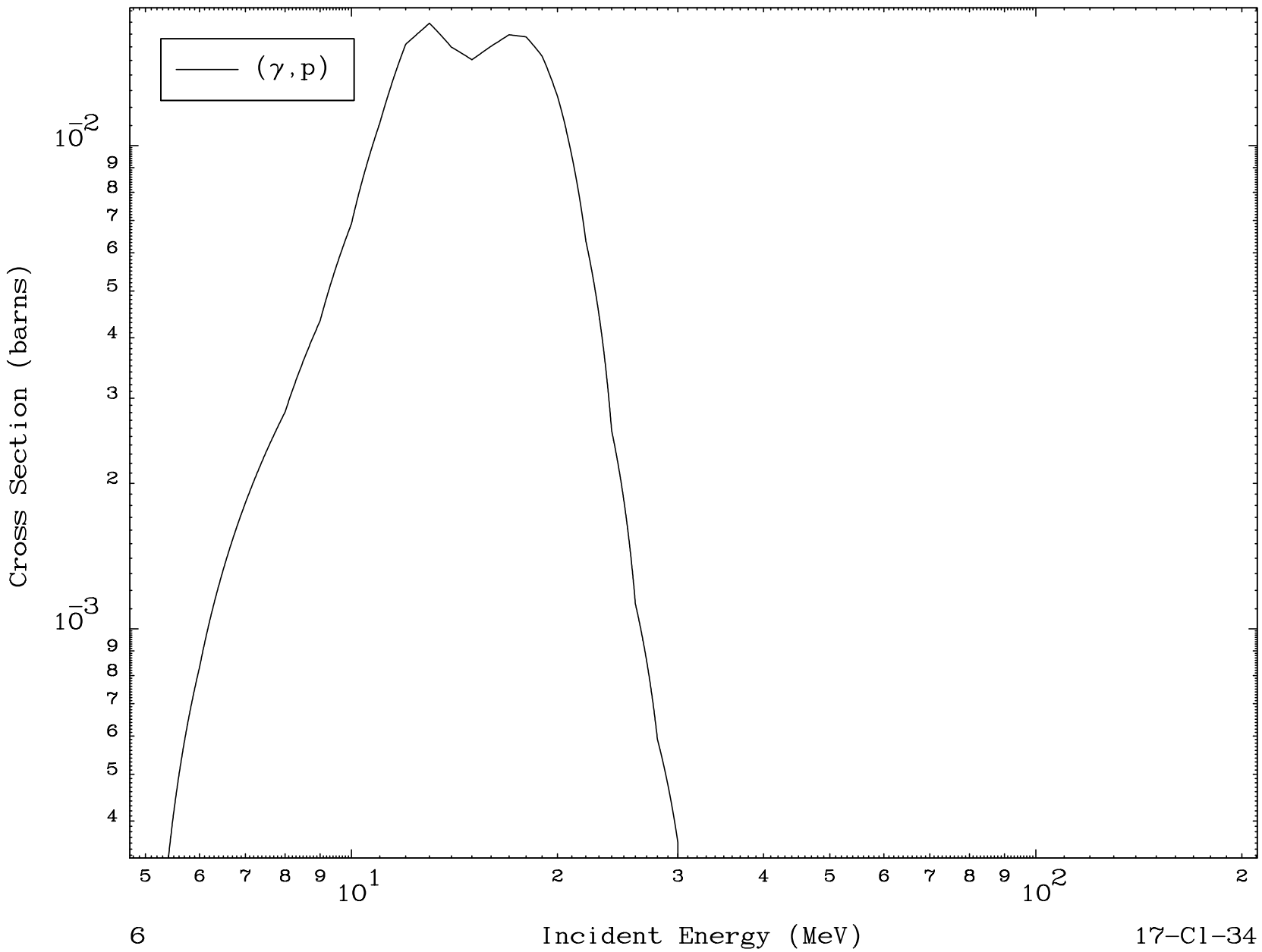

MAT 1723
Photon Major
17-Cl-34
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
17-Cl-34

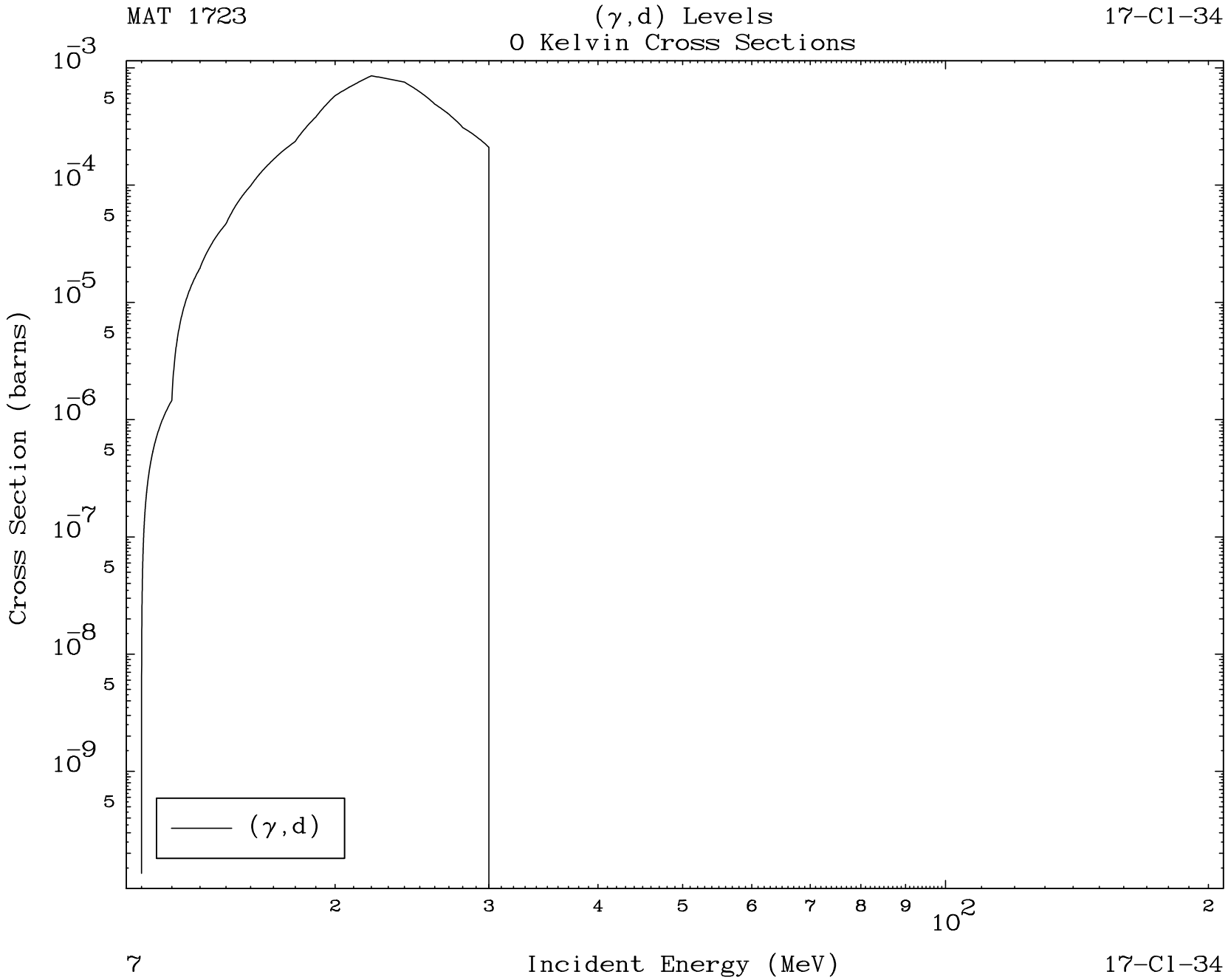

MAT 1723
Photon Neutron Production
0 Kelvin Cross Sections
17-Cl-34
(γ,2n)
(γ,n') α
(γ,n') p
(γ,n') d
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
17-Cl-34


MAT 1723
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

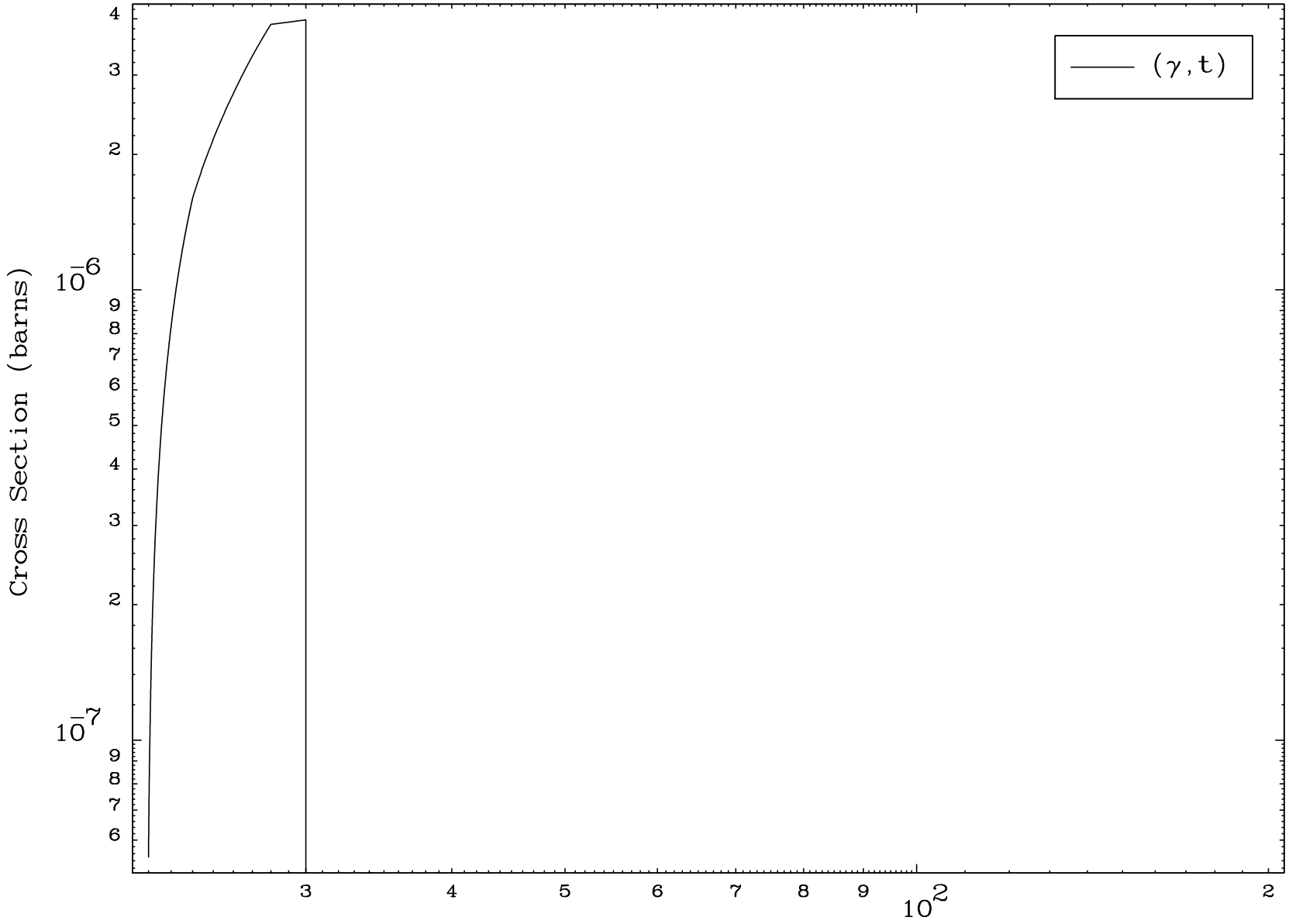

MAT 1723
Photon Charged Particle
0 Kelvin Cross Sections
17-Cl-34
Cross Section (barns)
Incident Energy (MeV)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
(γ,p) t
4
17-Cl-34

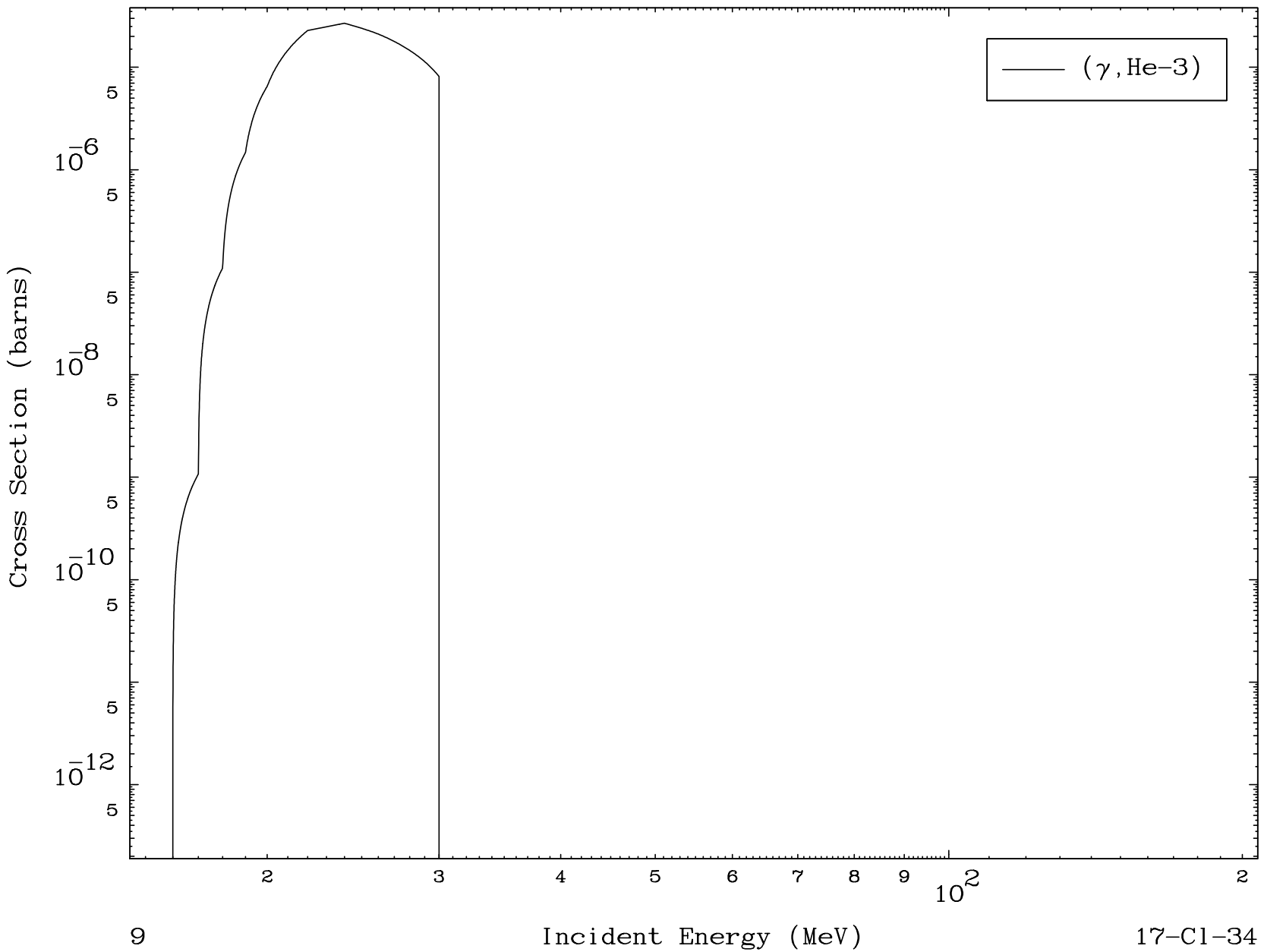

MAT 1723
(γ,n') Level
17-Cl-34
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
17-Cl-34

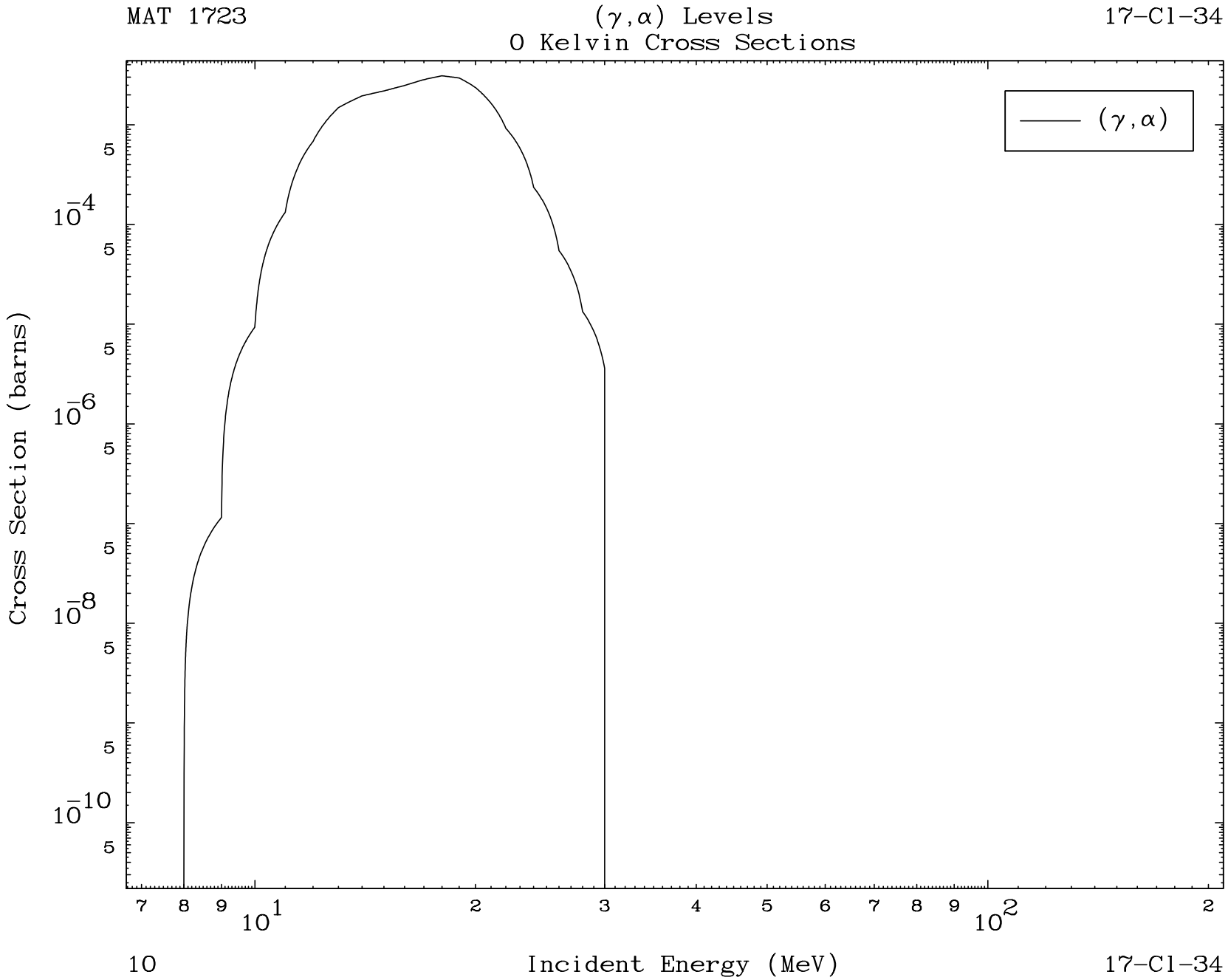

0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-2
10-3
9
8
7
6
5
4
3
2
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)

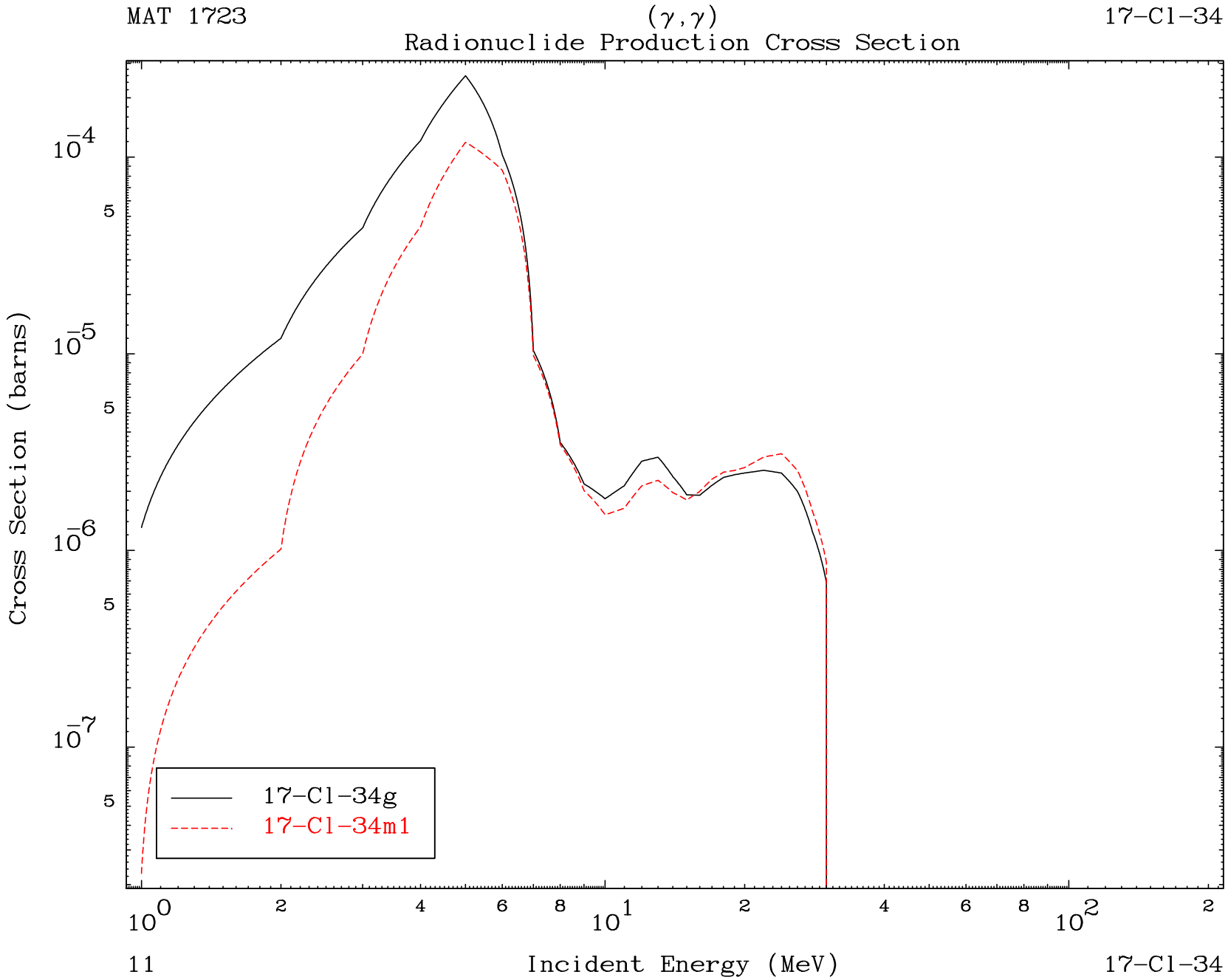

MAT 1723
(γ,d) Levels
17-Cl-34
0 Kelvin Cross Sections
Cross Section (barns)
10-3
5
10-4
5
10-5
5
10-6
5
10-7
5
10-8
5
10-9
5
(γ,d)
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
17-Cl-34

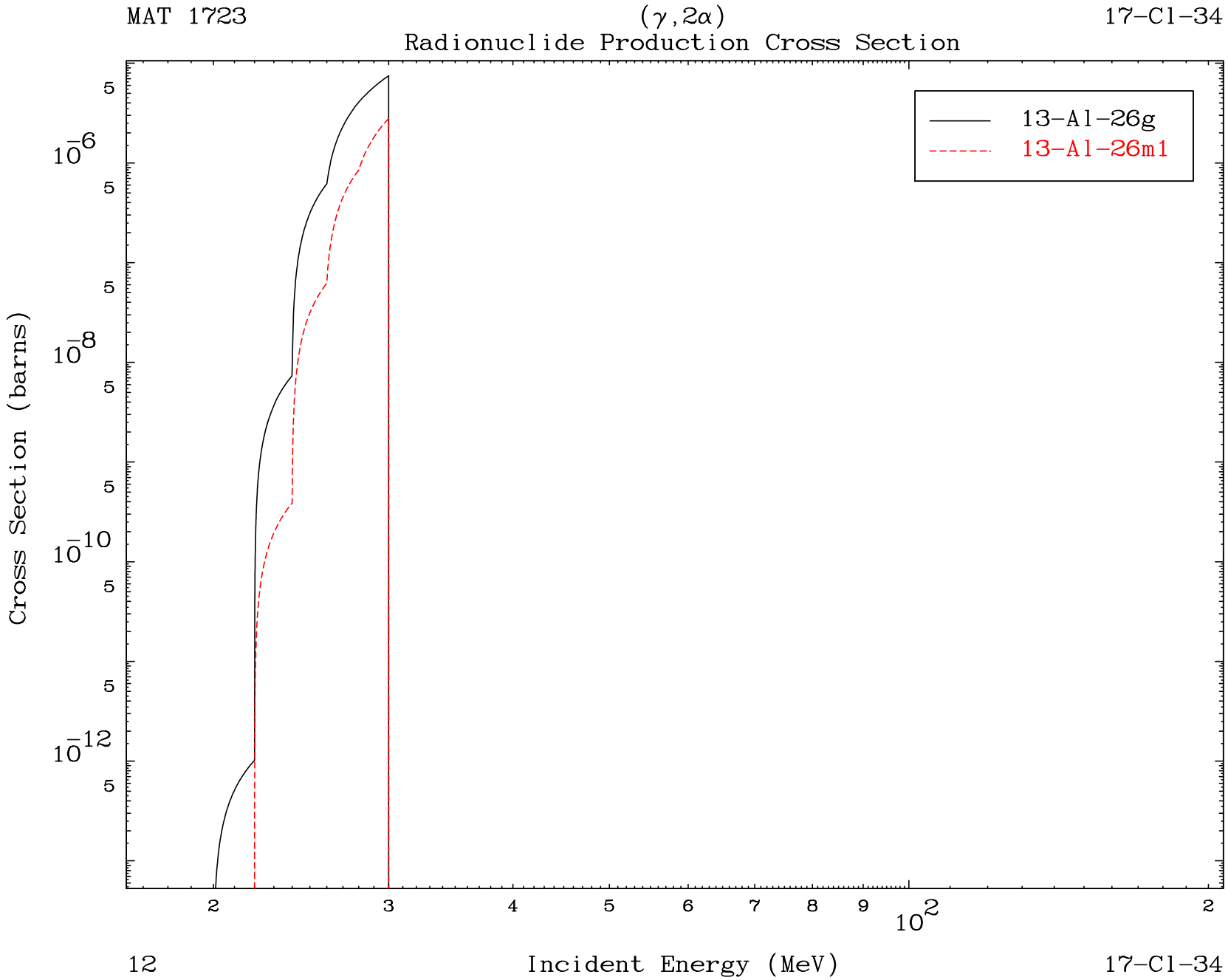
0 Kelvin Cross Sections




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
Incident Energy (MeV)


MAT 1723
(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 1723
(γ,γ)
17-Cl-34
Radionuclide Production Cross Section
Cross Section (barns)
10-4
5
10-5
5
10-6
5
10-7
5
17-Cl-34g
17-Cl-34m1
100
2
4
6
8
101
2
4
6
8
102
2
11
Incident Energy (MeV)
17-Cl-34


MAT 1723
(γ,2α)
17-Cl-34
Radionuclide Production Cross Section
13-Al-26g
13-Al-26m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
12
17-Cl-34