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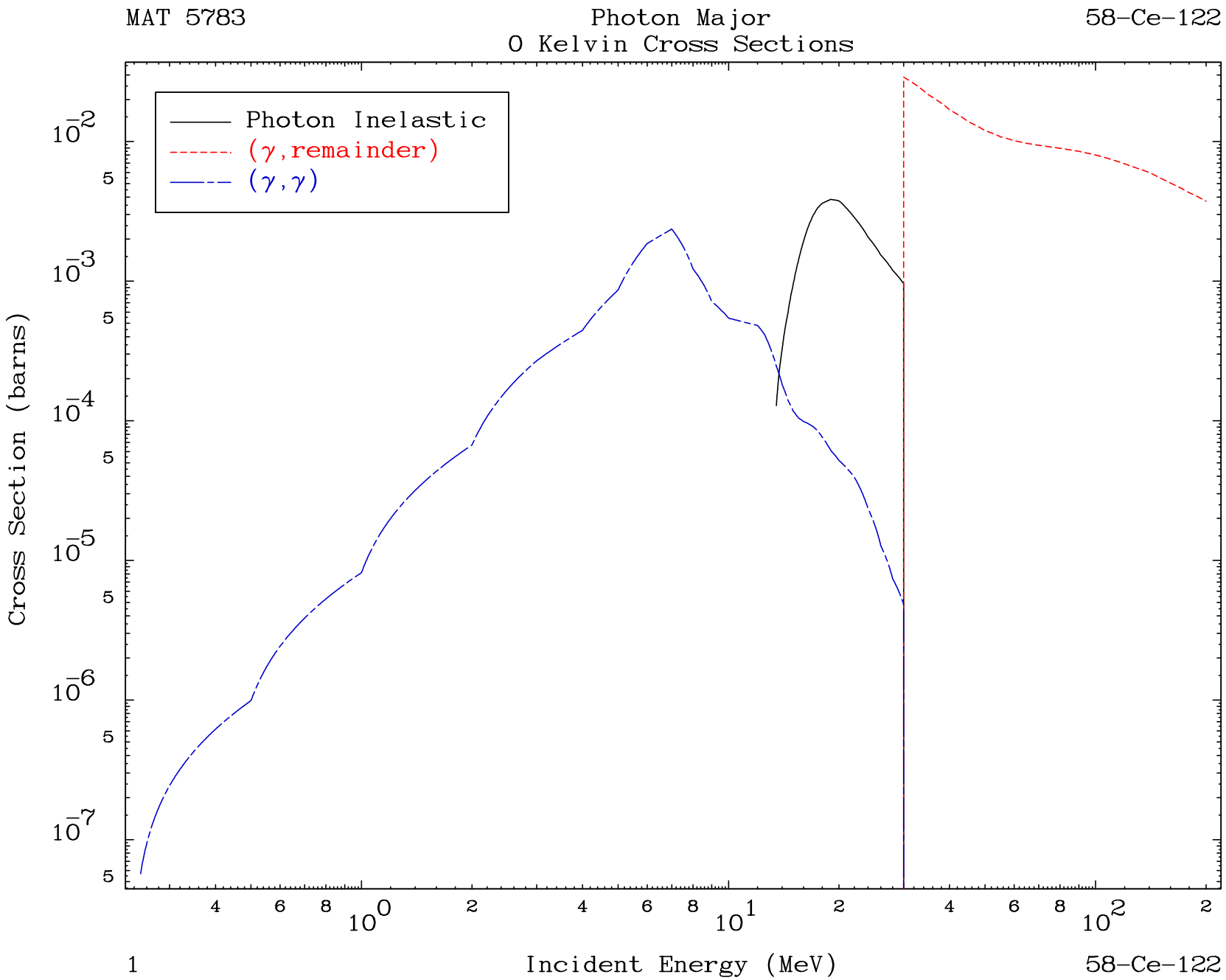
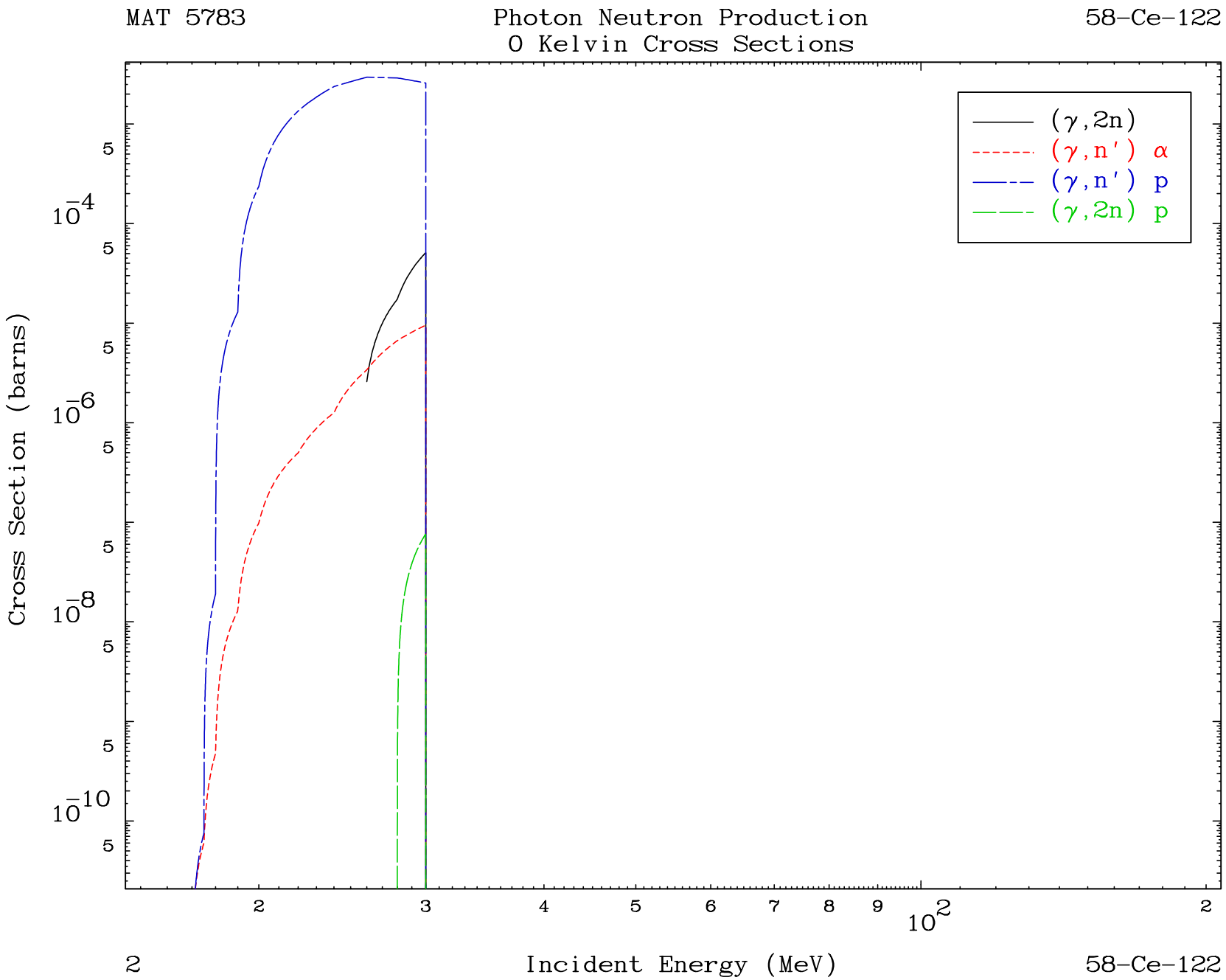
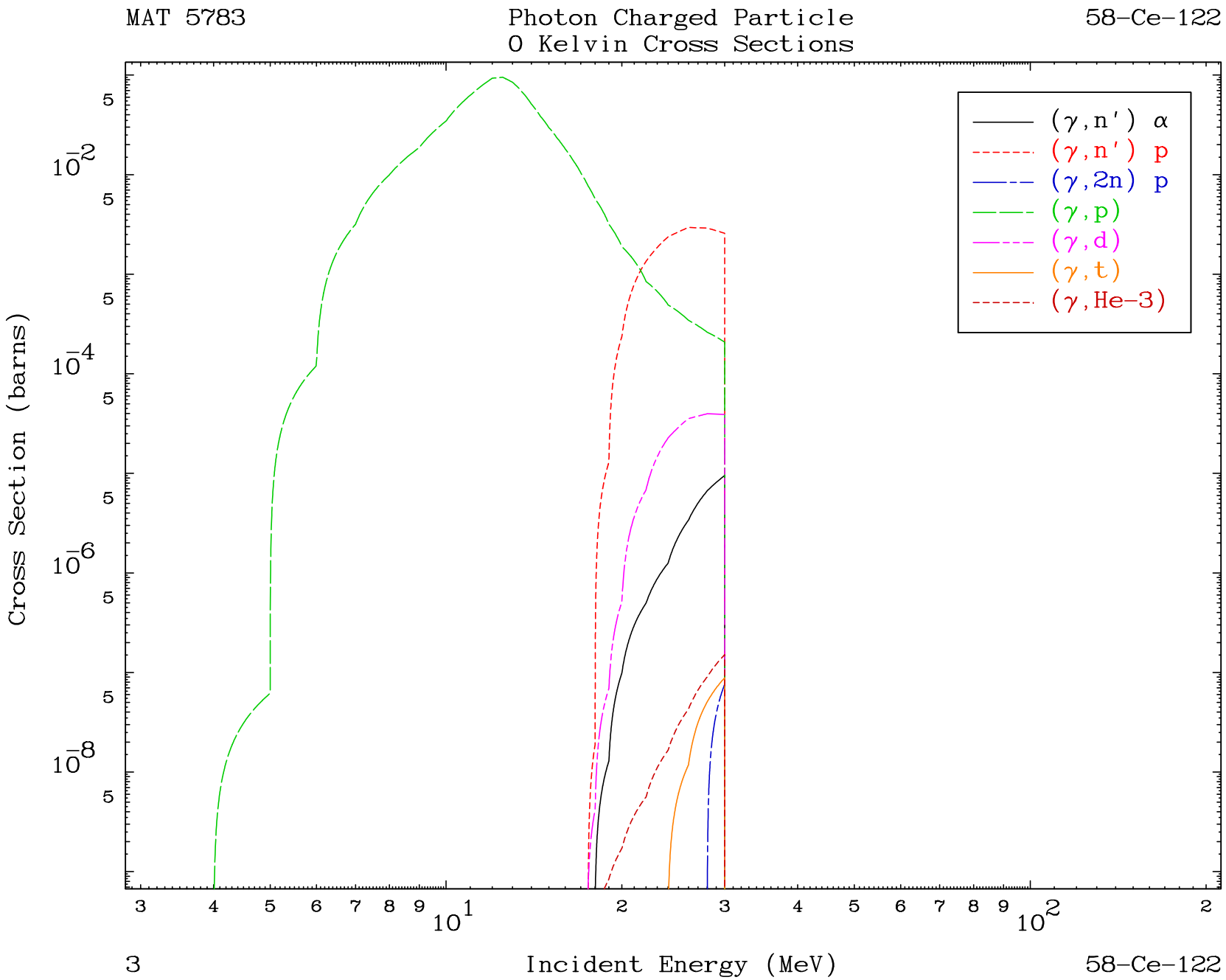
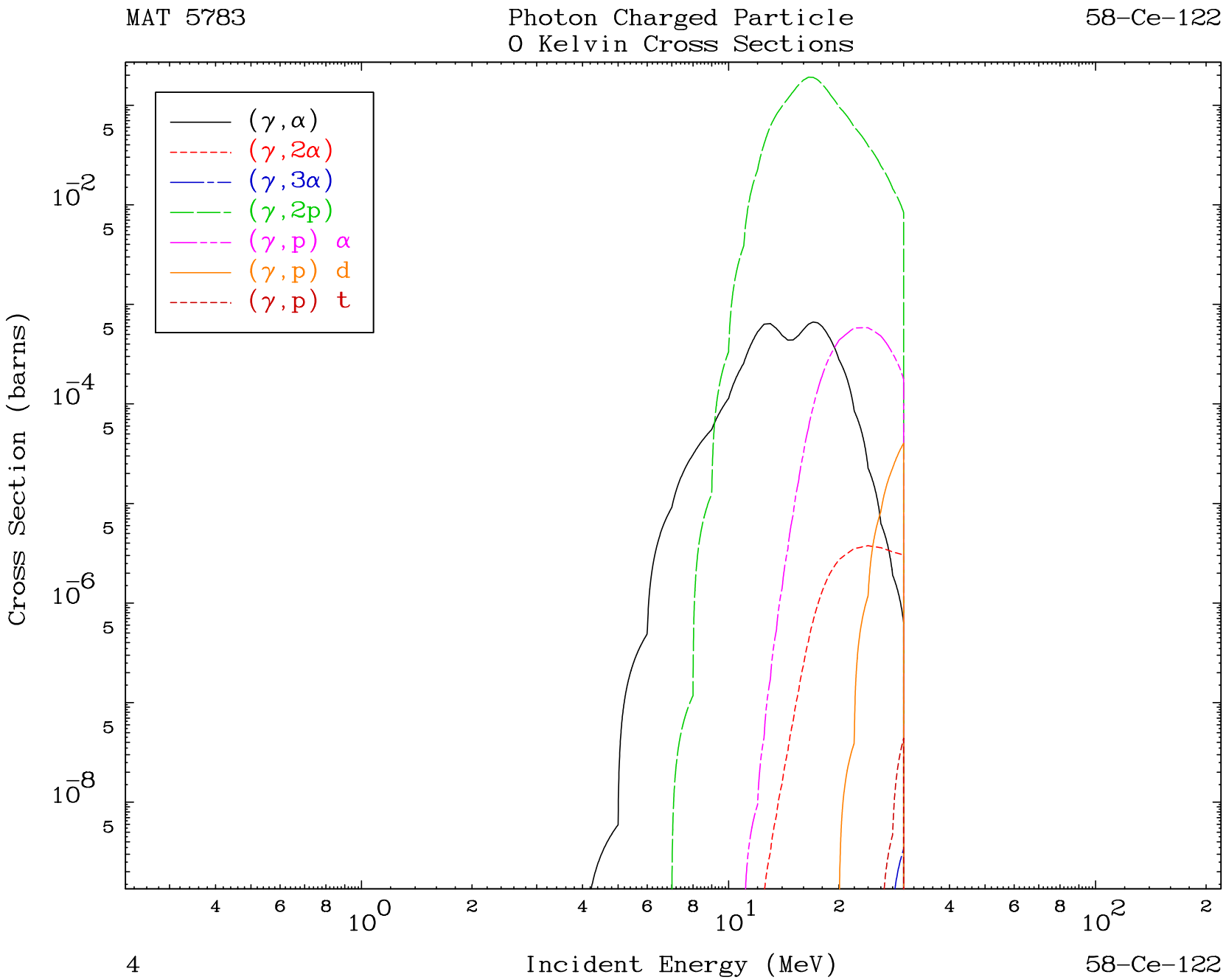
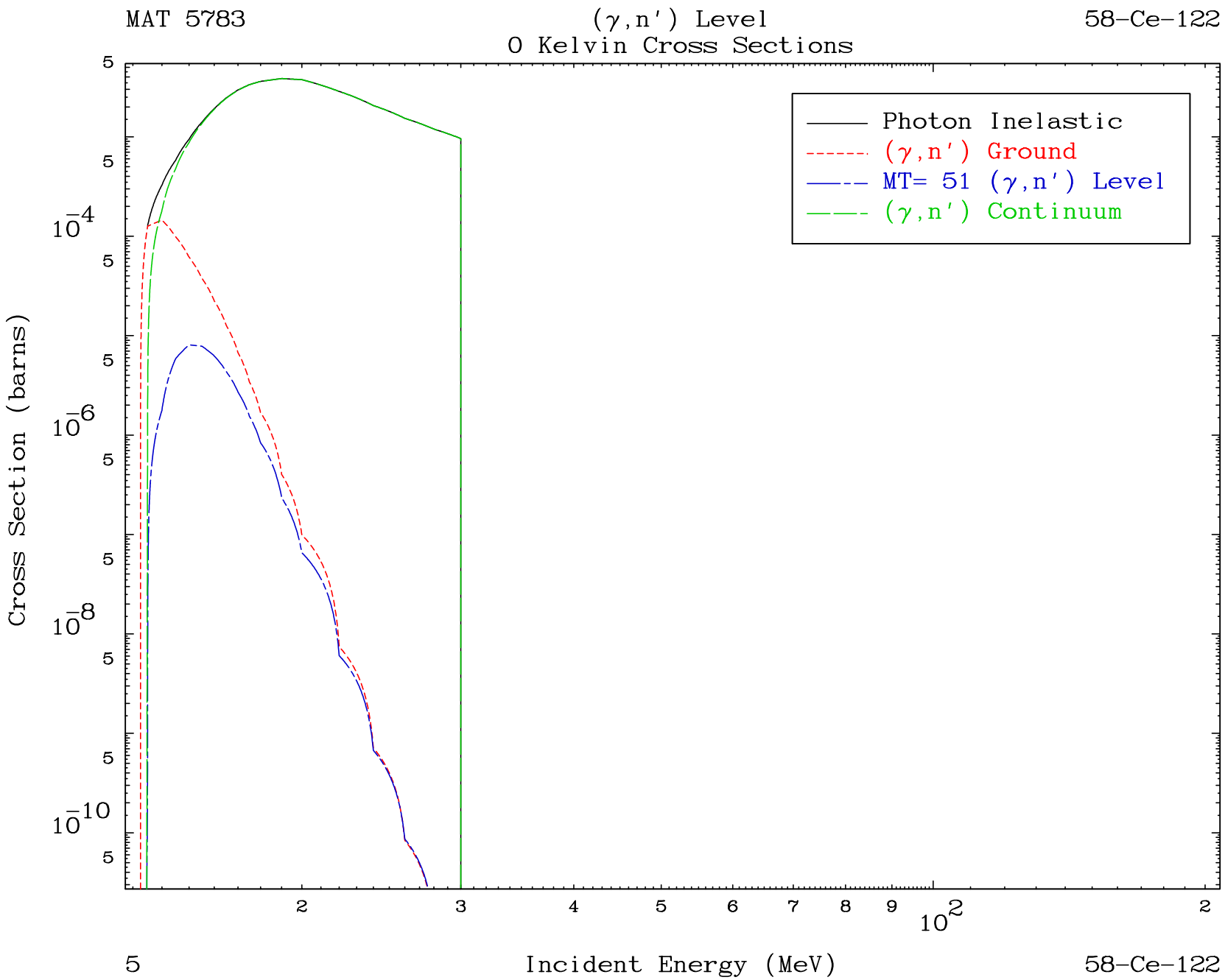
Press Mouse Button to Start

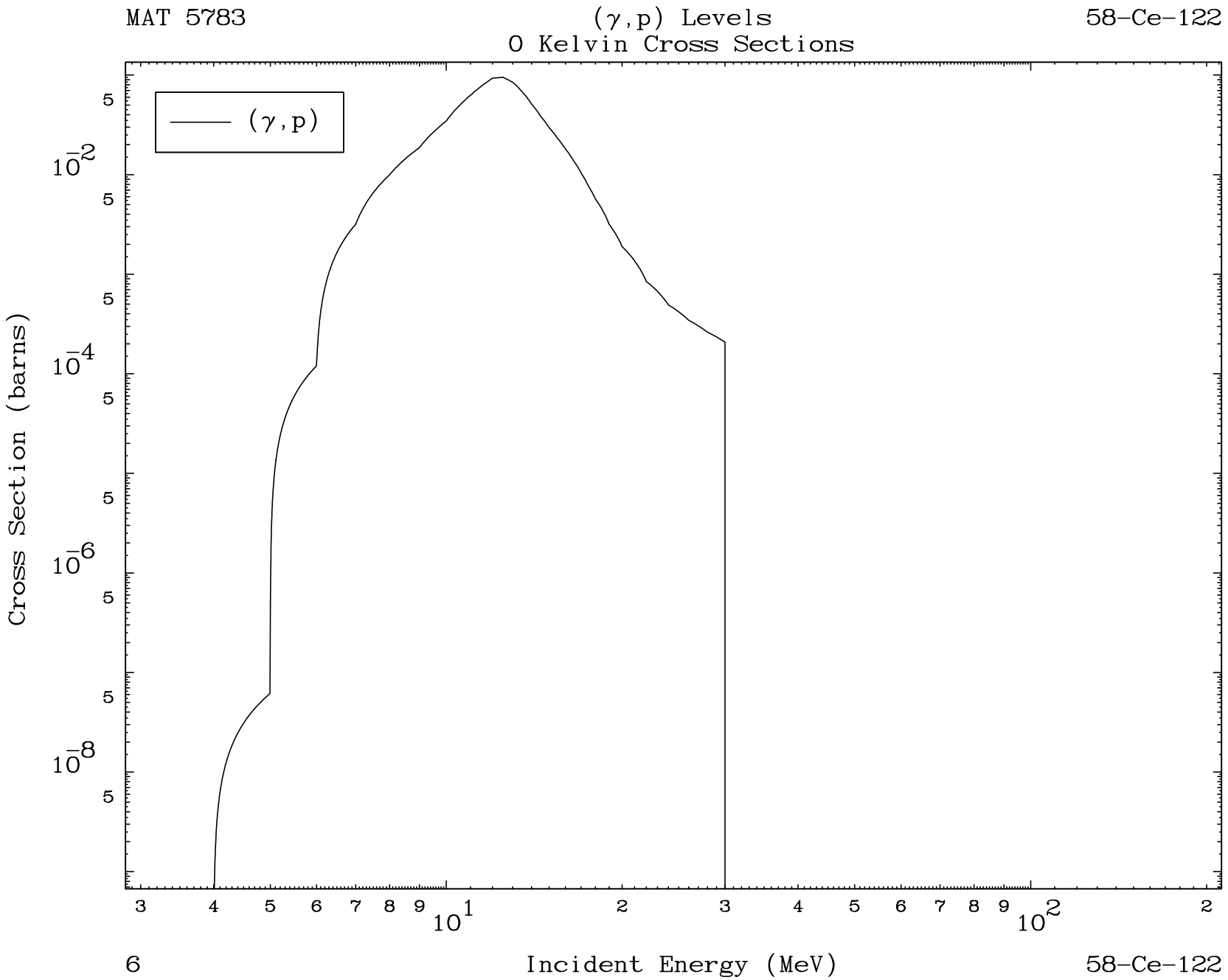

MAT 5783
Photon Major
58-Ce-122
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-122
1

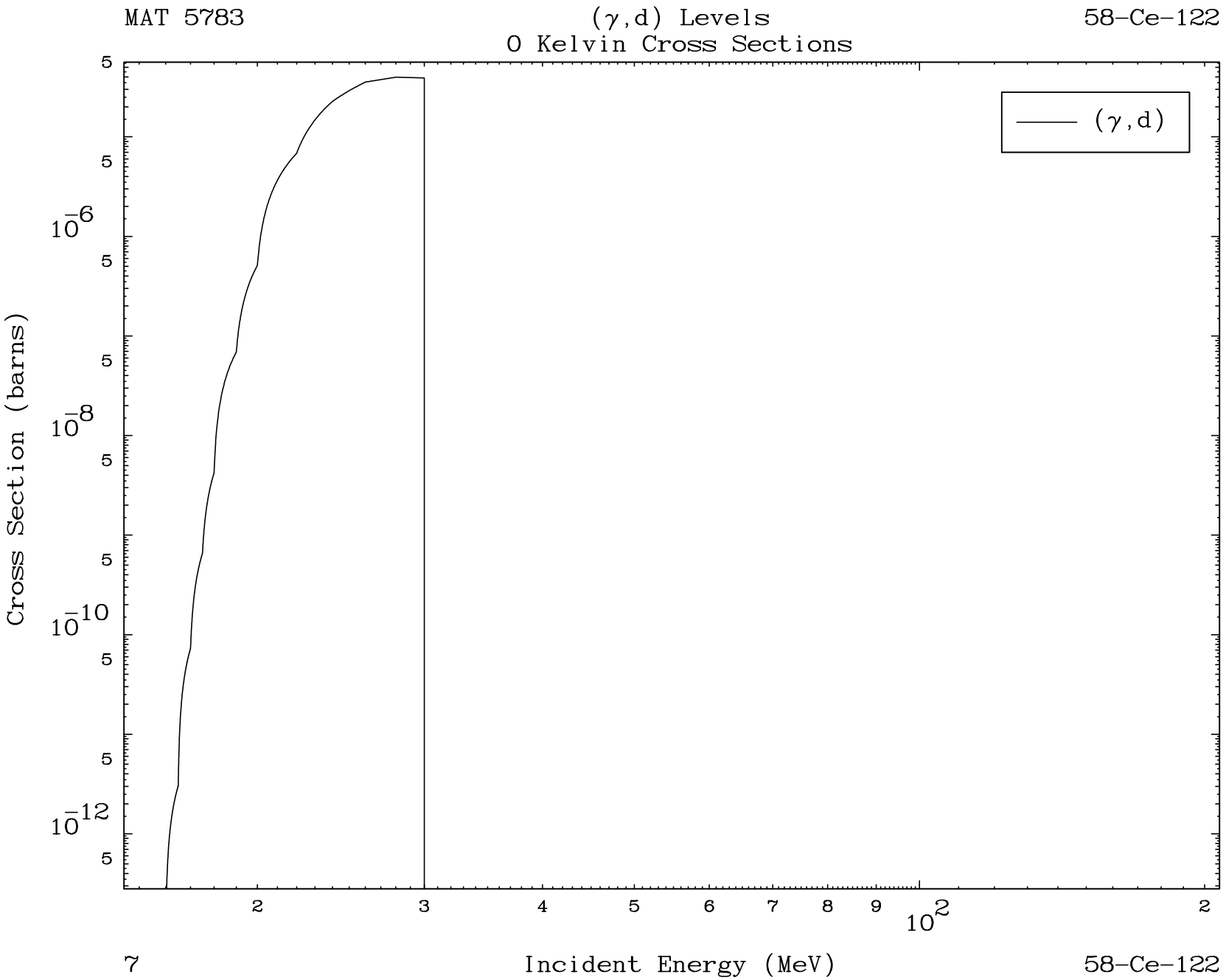

MAT 5783
Photon Neutron Production
0 Kelvin Cross Sections
58-Ce-122
(γ,2n)
(γ,n') α
(γ,n') p
(γ,2n) p
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
58-Ce-122

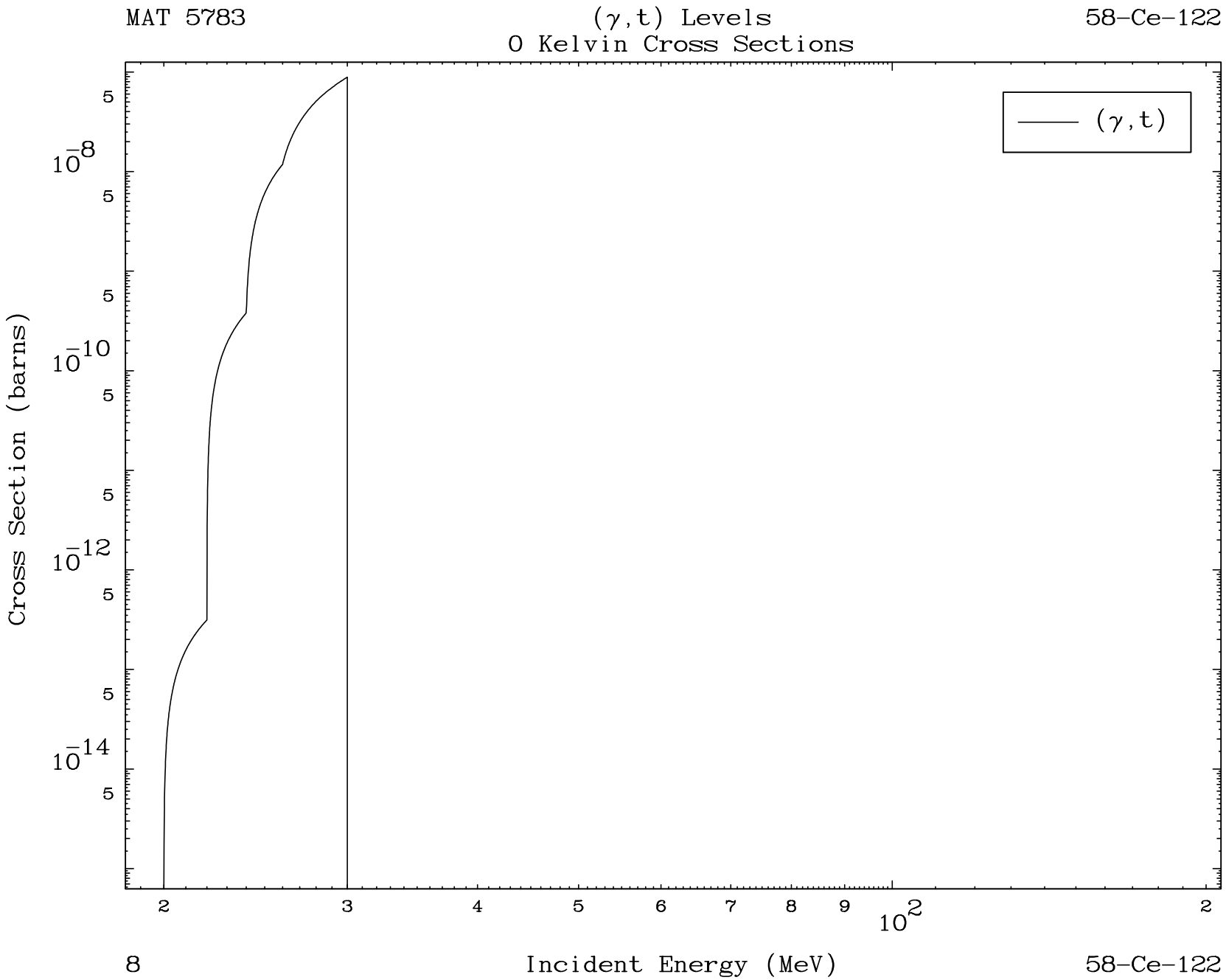

MAT 5783
Photon Charged Particle
0 Kelvin Cross Sections
58-Ce-122
(γ,n') α
(γ,n') p
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,He-3)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-122
3

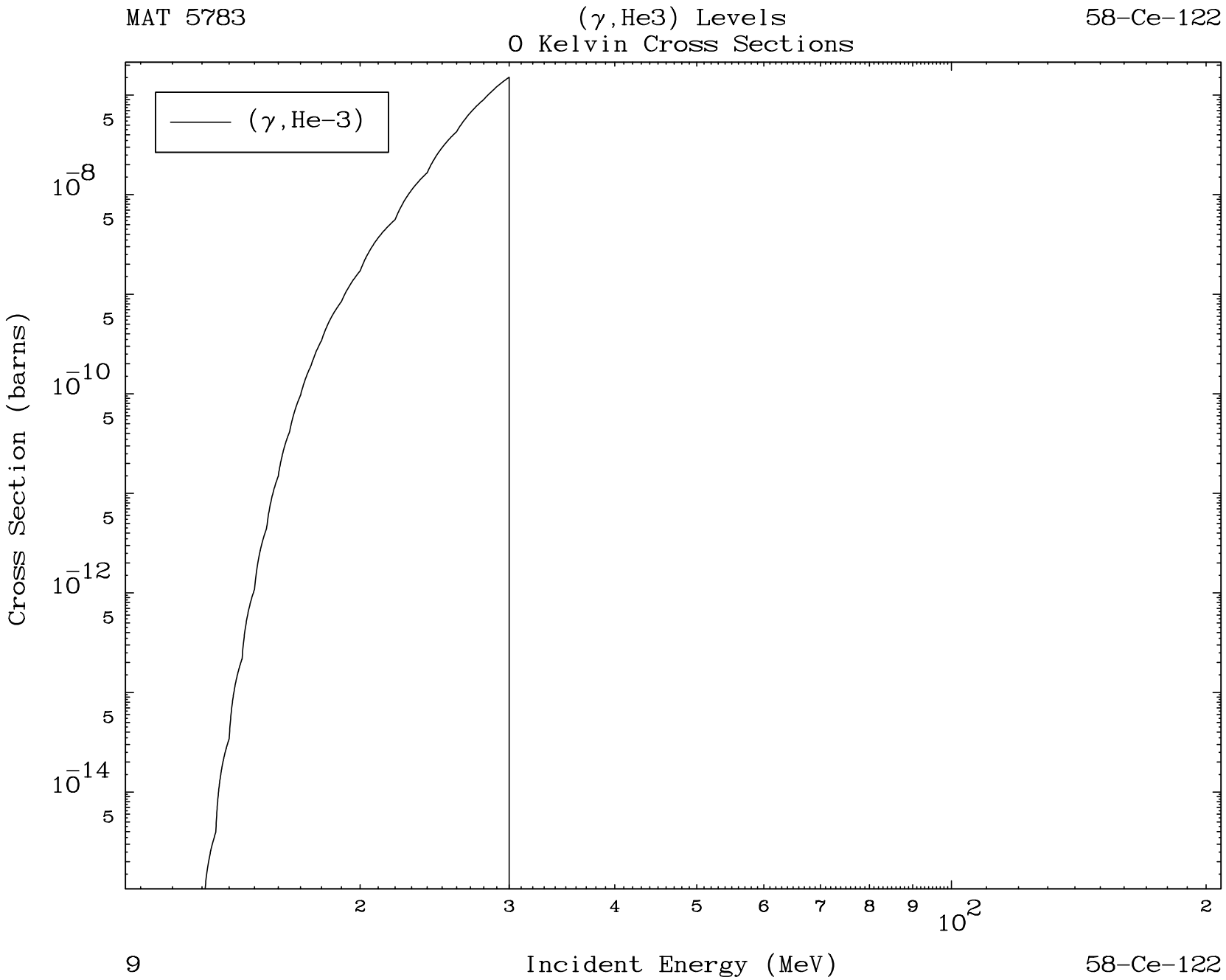

MAT 5783
Photon Charged Particle
0 Kelvin Cross Sections
58-Ce-122
(γ,α)
(γ,2α)
(γ,3α)
(γ,2p)
(γ,p) α
(γ,p) d
(γ,p) t
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
4
58-Ce-122

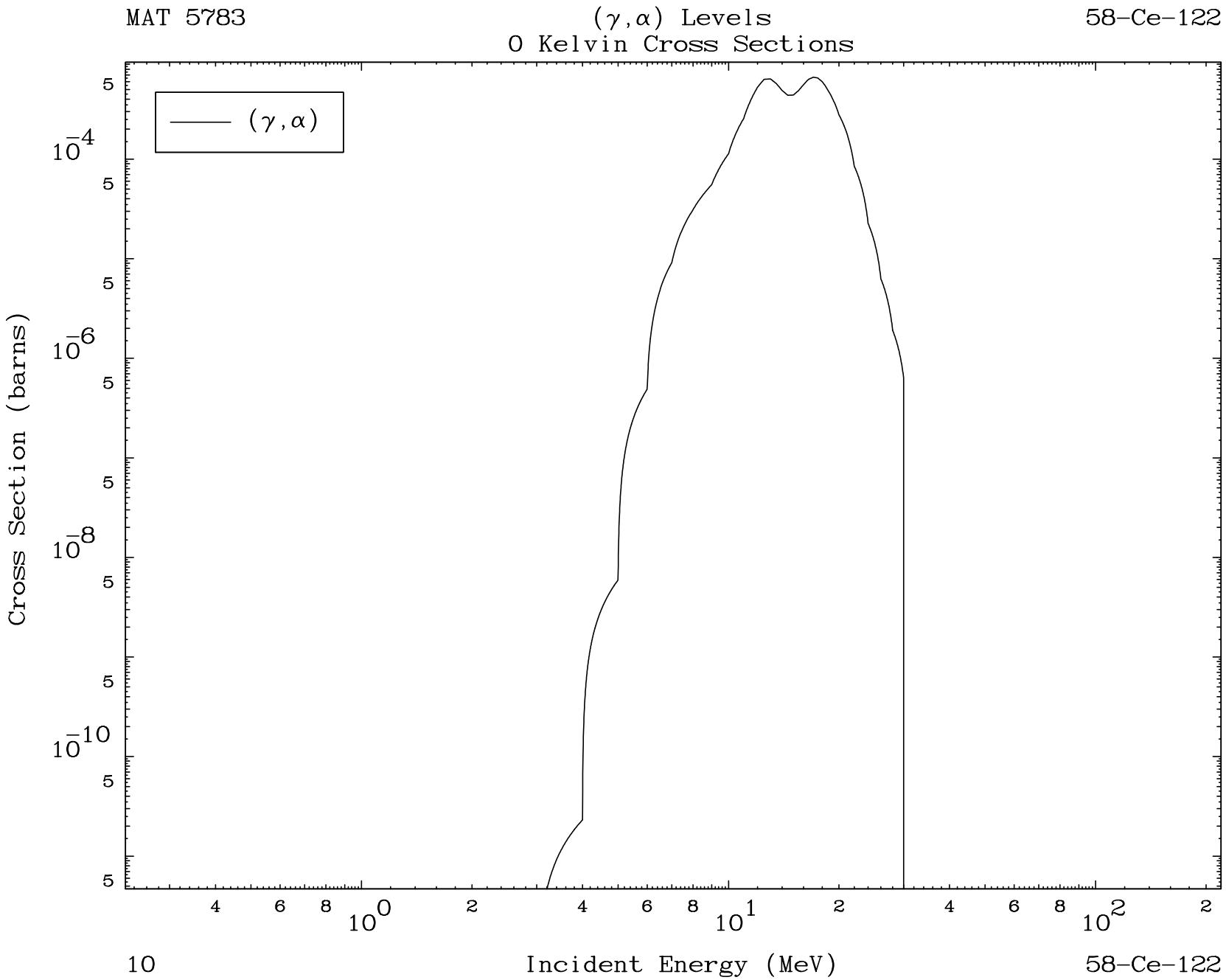

MAT 5783
(γ,n') Level
58-Ce-122
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
58-Ce-122

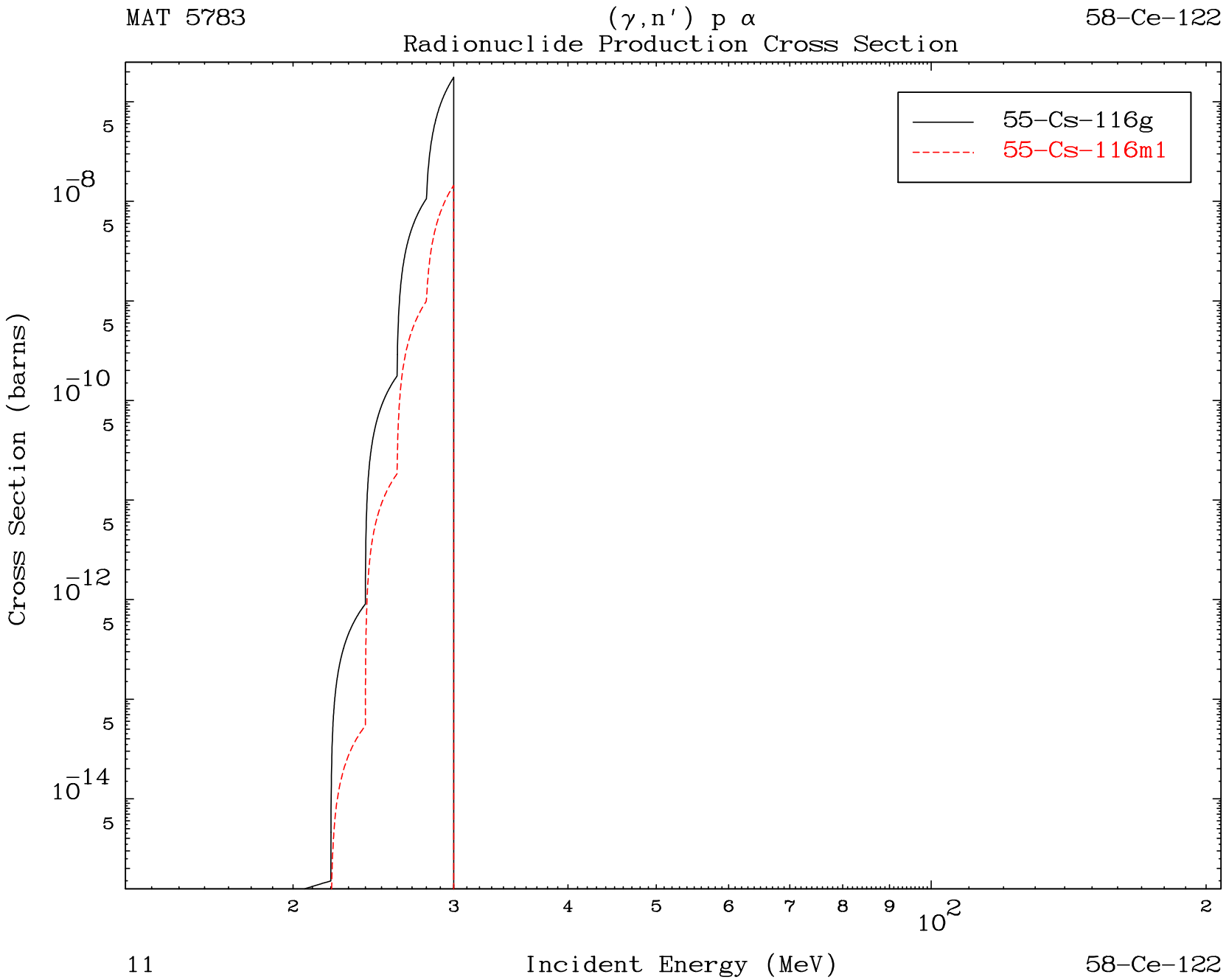

MAT 5783
(γ,p) Levels
58-Ce-122
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
6
58-Ce-122

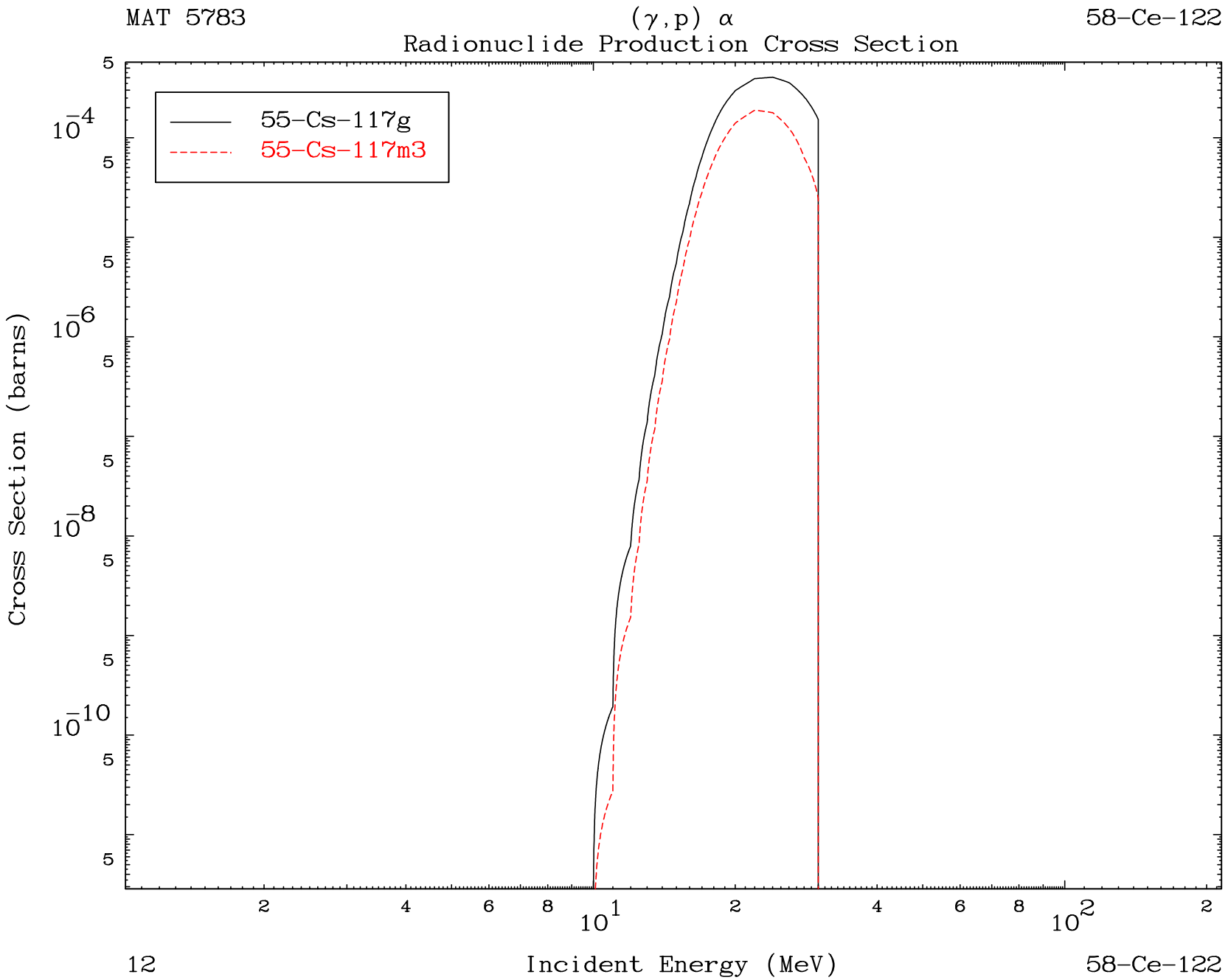

MAT 5783
(γ,d) Levels
58-Ce-122
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
58-Ce-122


MAT 5783
(γ,t) Levels
0 Kelvin Cross Sections
58-Ce-122
(γ,t)
Cross Section (barns)
Incident Energy (MeV)
8
58-Ce-122


MAT 5783
(γ,He3) Levels
58-Ce-122
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
58-Ce-122


MAT 5783
(γ,α) Levels
58-Ce-122
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-122


MAT 5783
(γ,n') p α
58-Ce-122
Radionuclide Production Cross Section
55-Cs-116g
55-Cs-116m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
58-Ce-122


MAT 5783
(γ,p) α
58-Ce-122
Radionuclide Production Cross Section
55-Cs-117g
55-Cs-117m3
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^1
10^2
12
58-Ce-122