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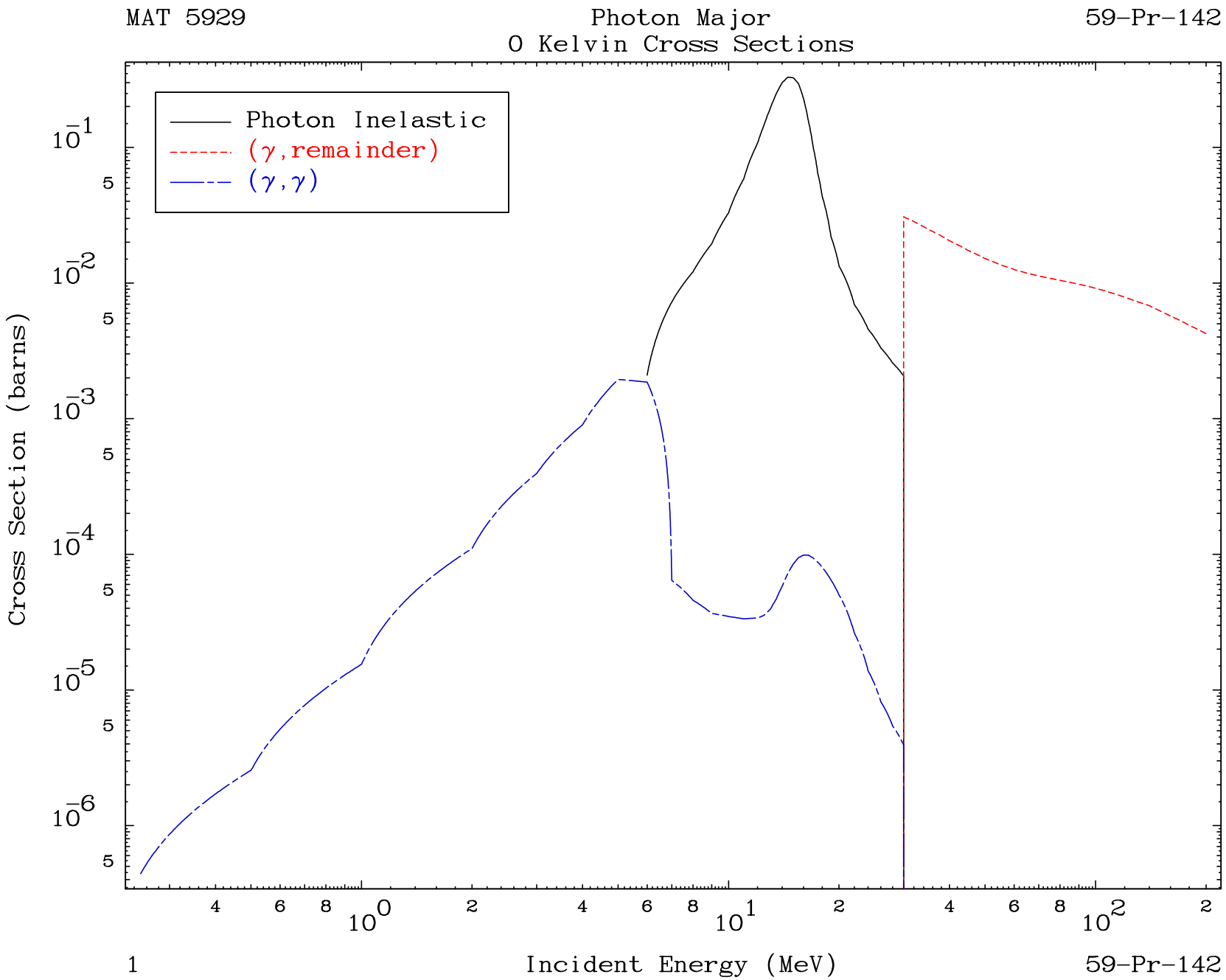
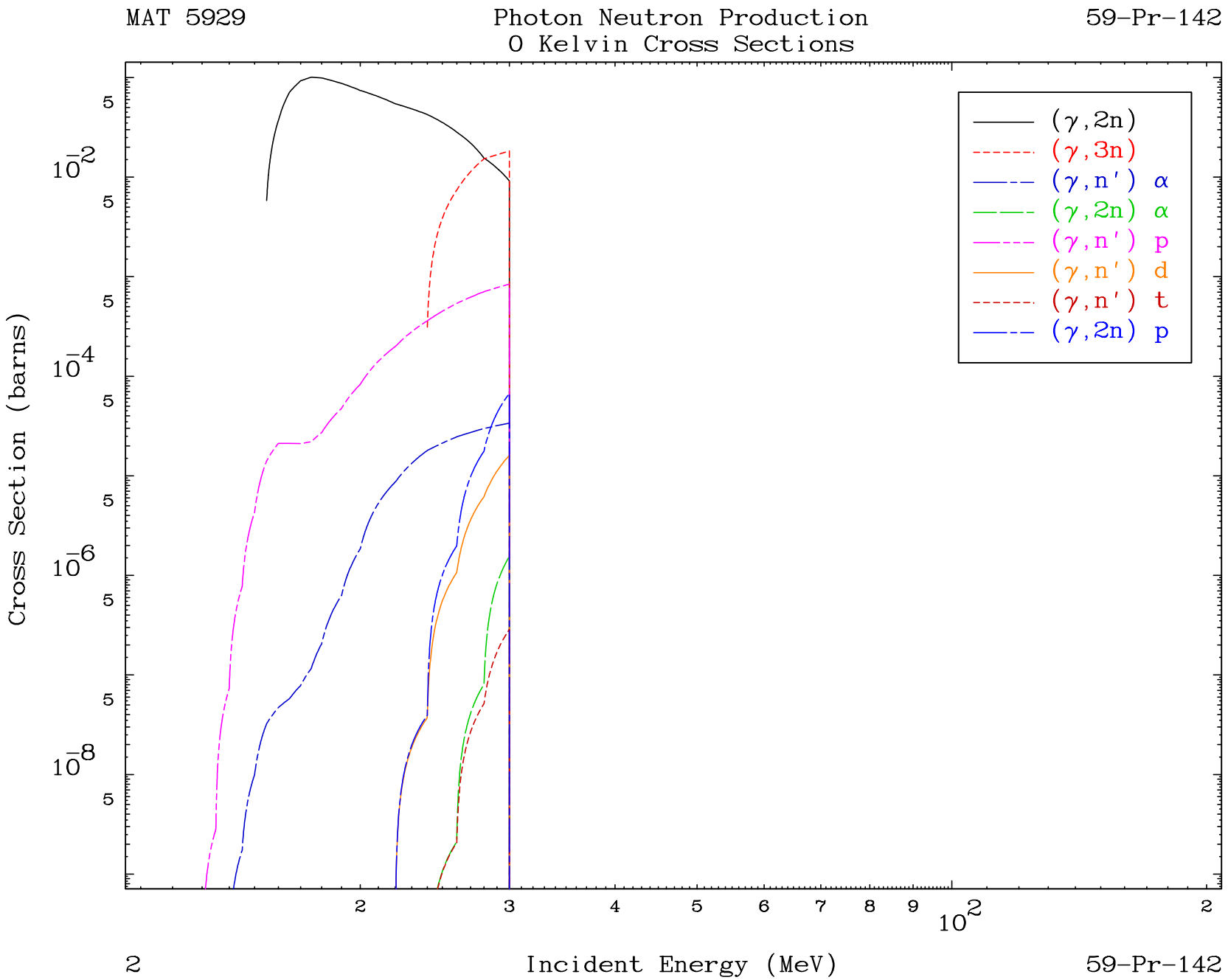
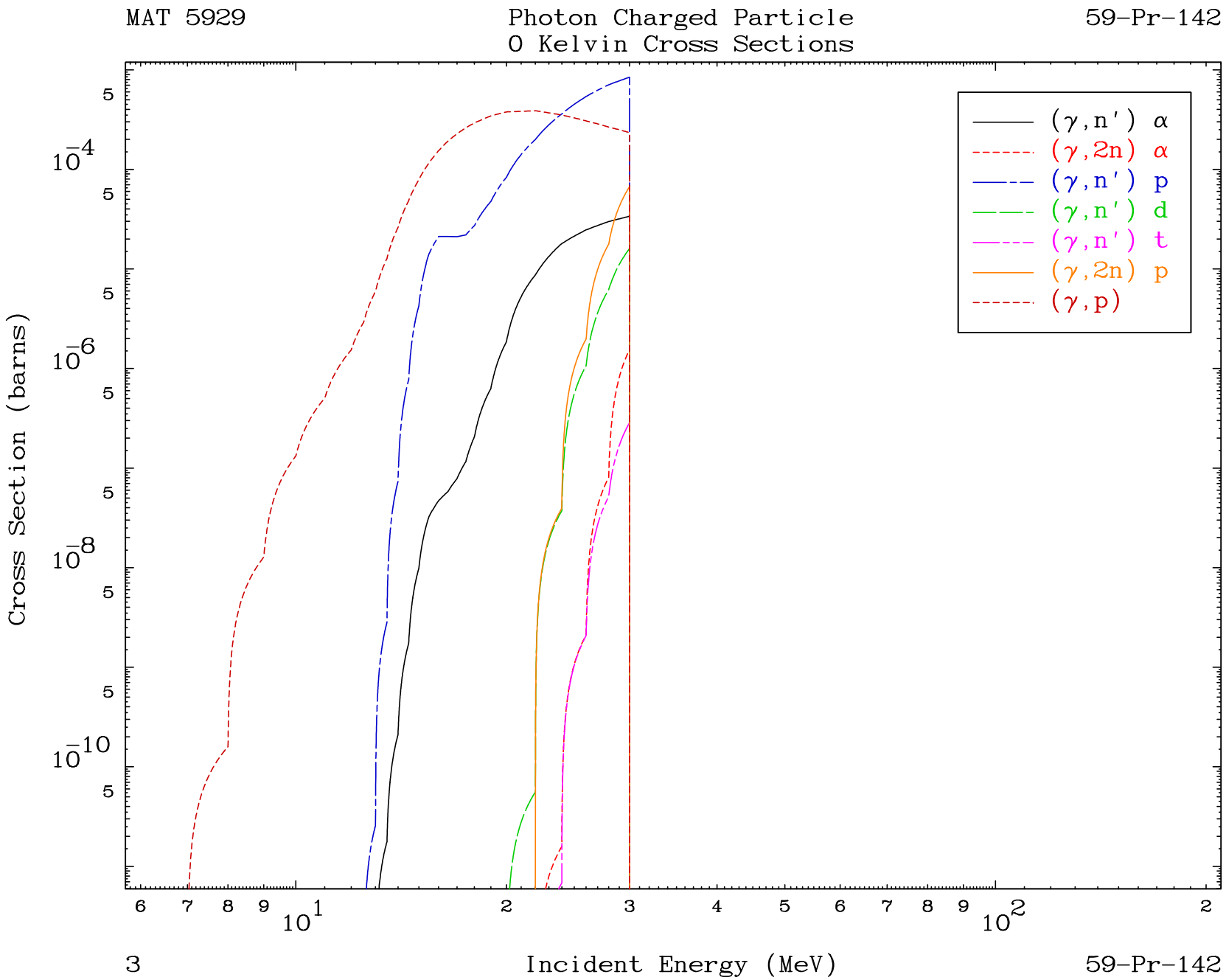
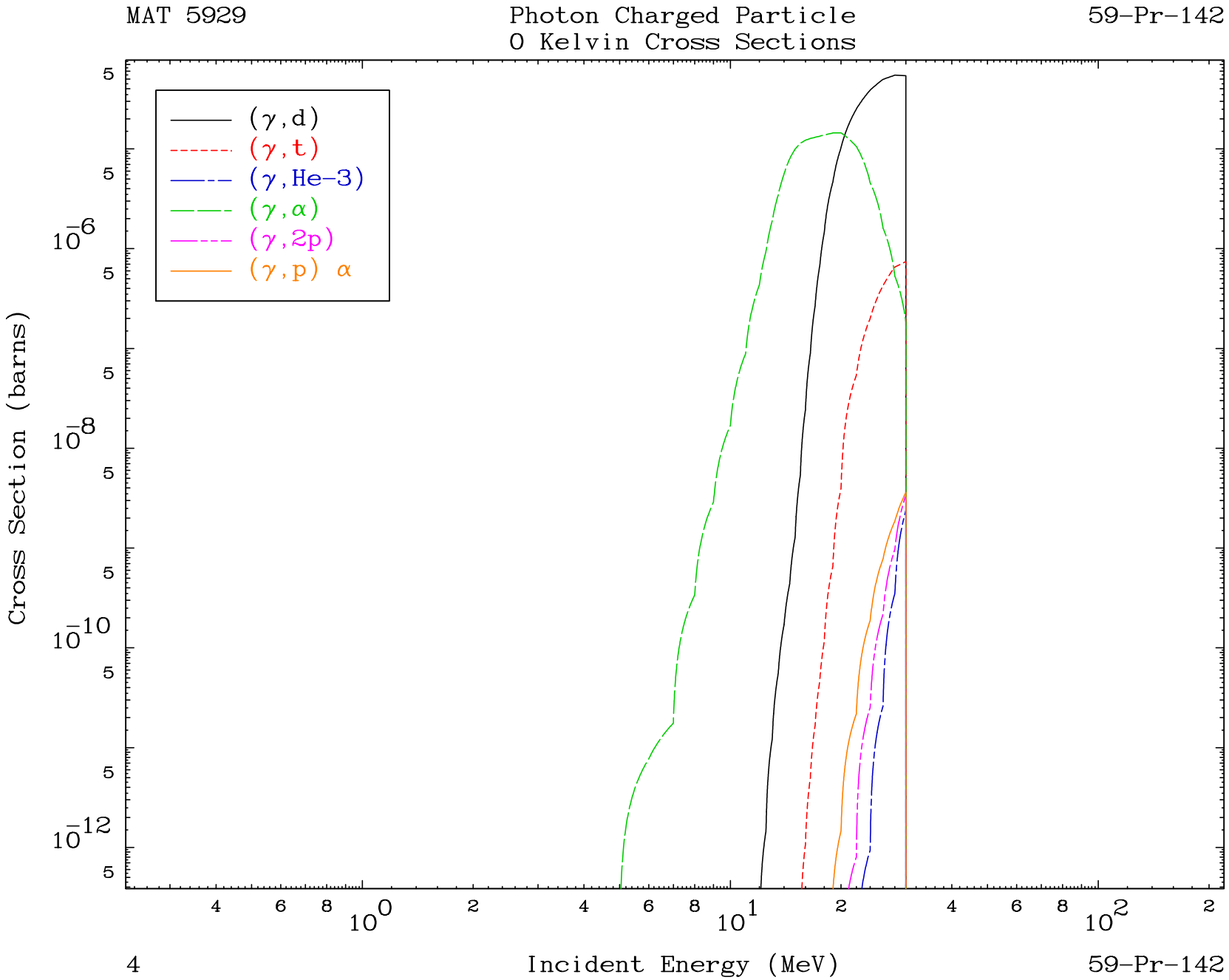
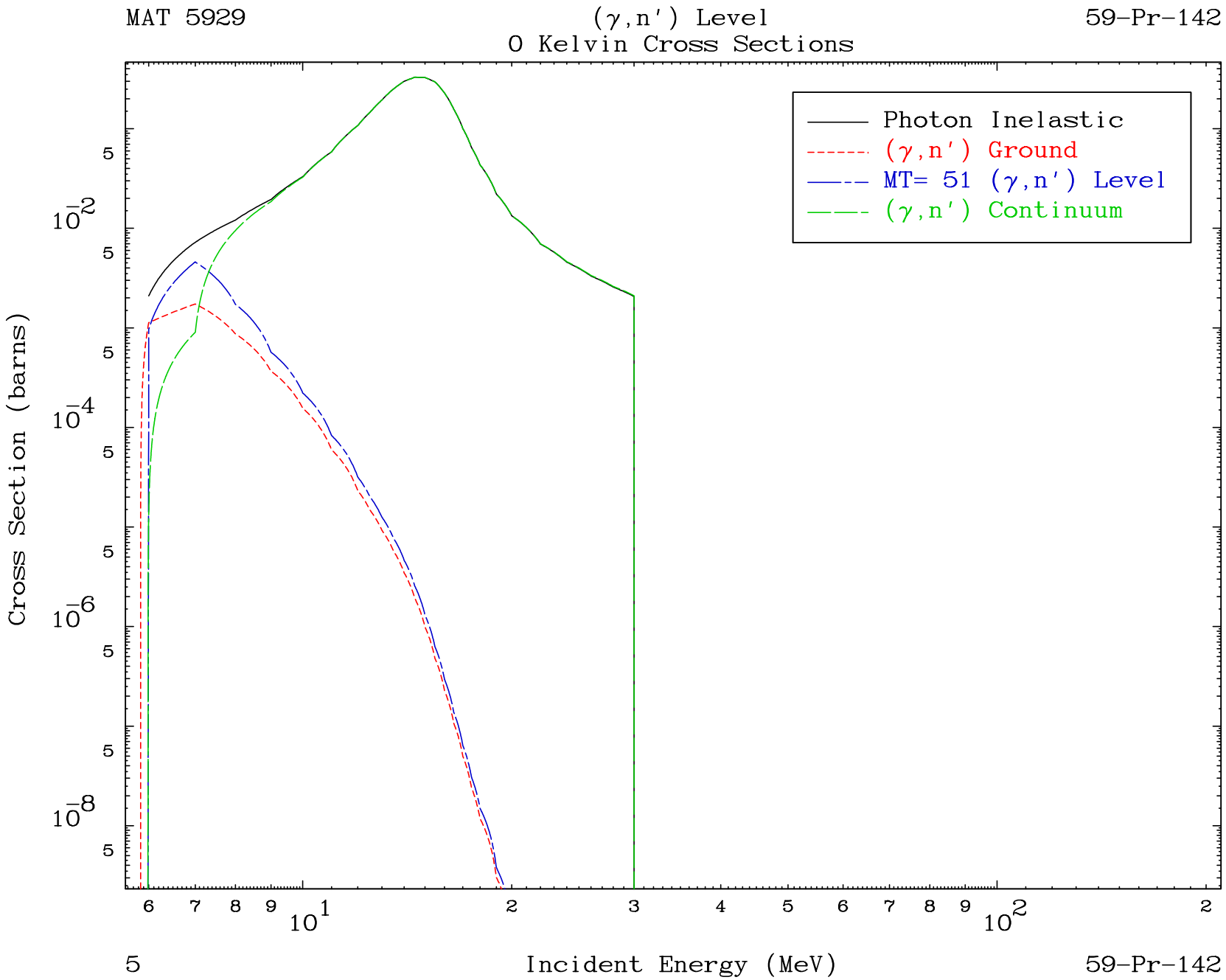
Press Mouse Button to Start

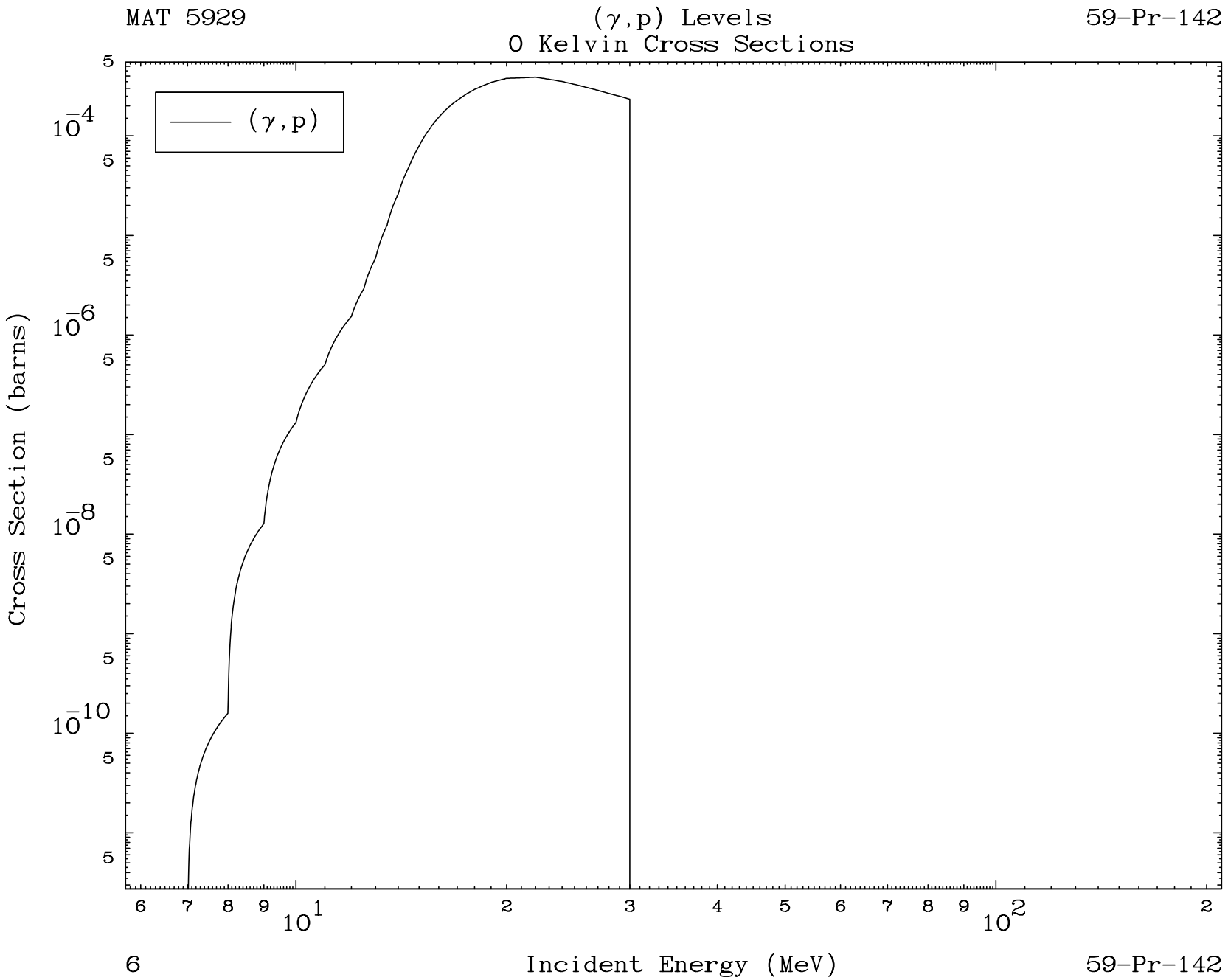

MAT 5929
Photon Major
59-Pr-142
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
1
59-Pr-142

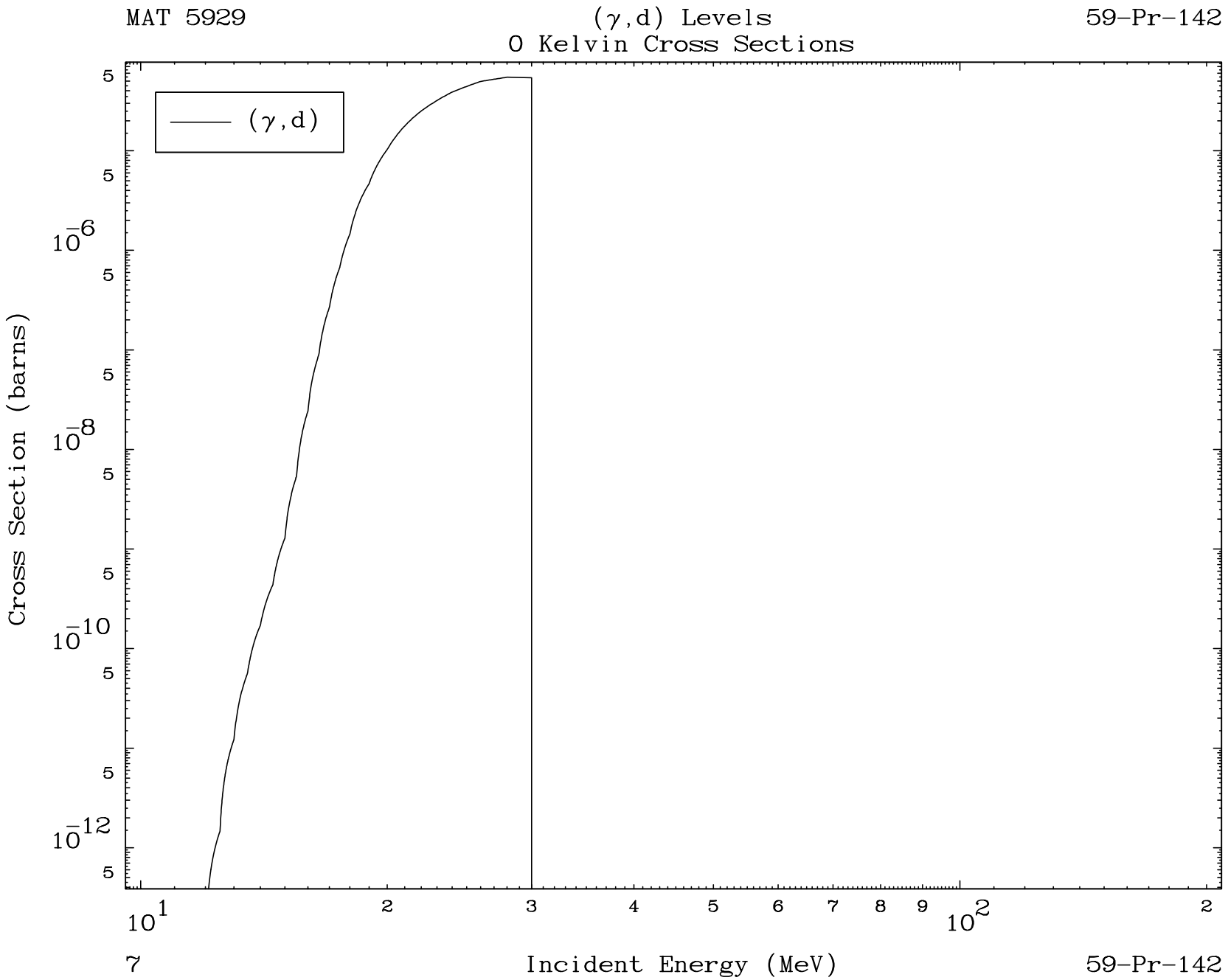

MAT 5929
Photon Neutron Production
0 Kelvin Cross Sections
59-Pr-142
Cross Section (barns)
Incident Energy (MeV)
59-Pr-142
2
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p

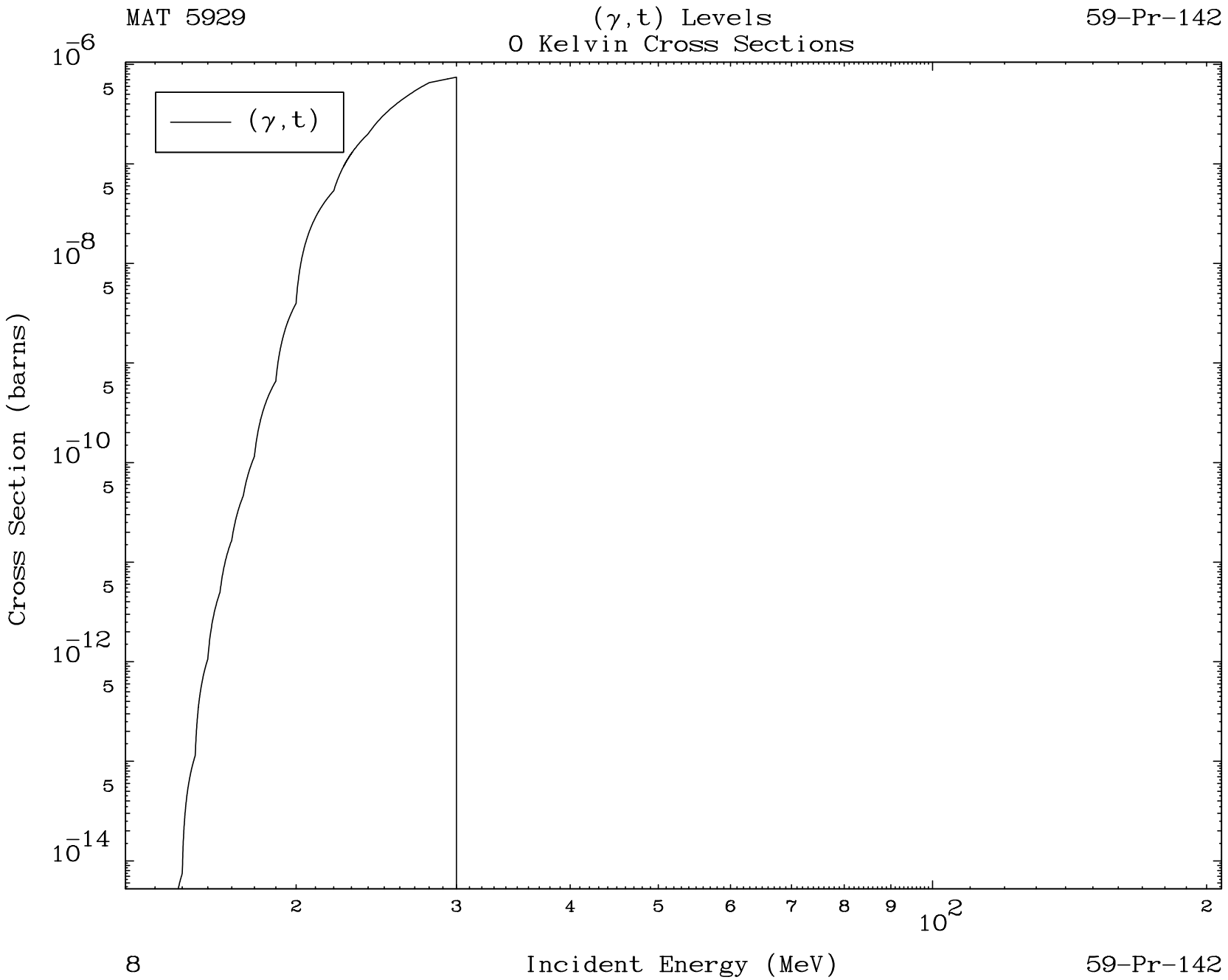

MAT 5929
Photon Charged Particle
0 Kelvin Cross Sections
59-Pr-142
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
3
59-Pr-142

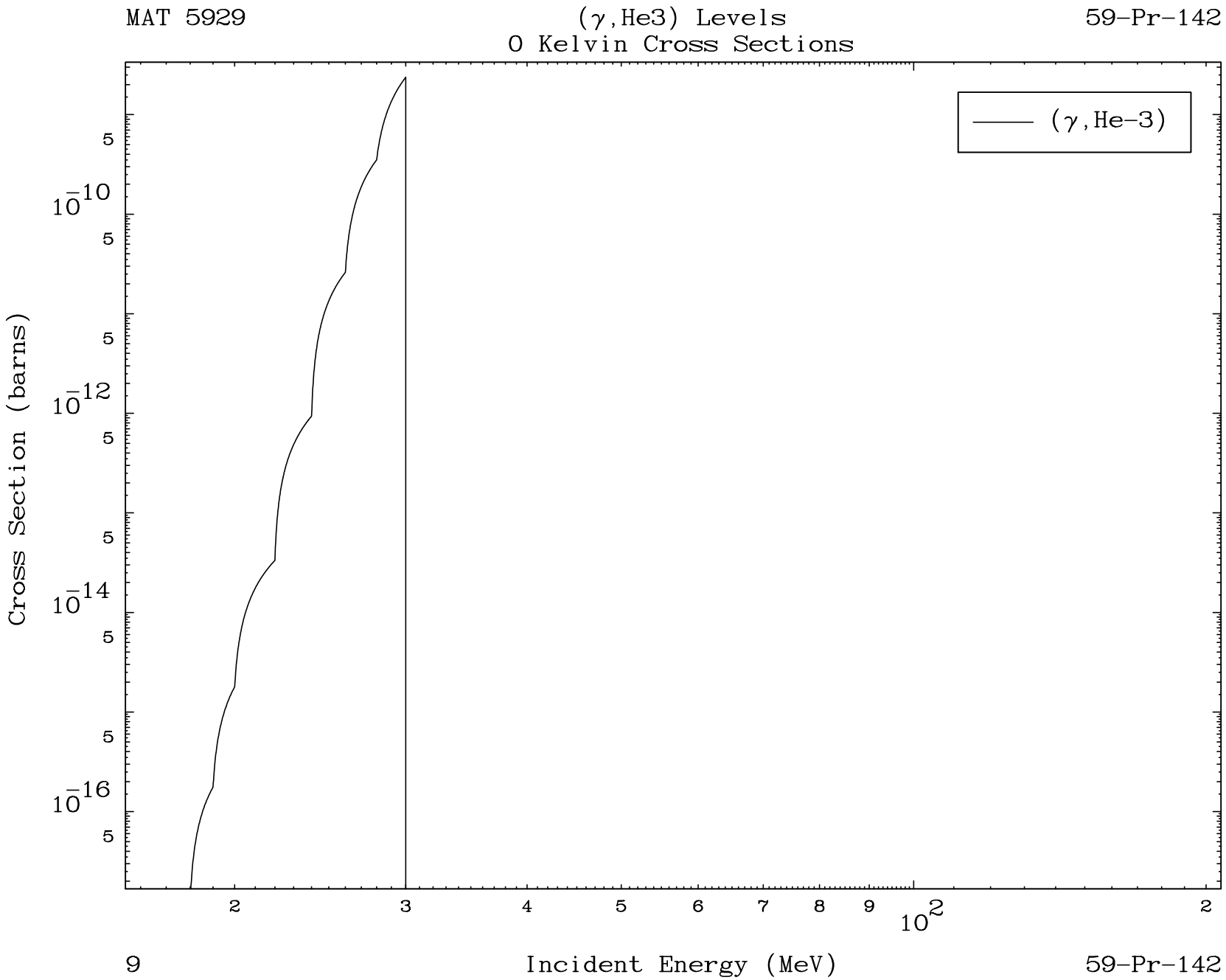

MAT 5929
Photon Charged Particle
0 Kelvin Cross Sections
59-Pr-142
(γ,d)
(γ,t)
(γ,He-3)
(γ,α)
(γ,2p)
(γ,p) α
Cross Section (barns)
Incident Energy (MeV)
4
59-Pr-142

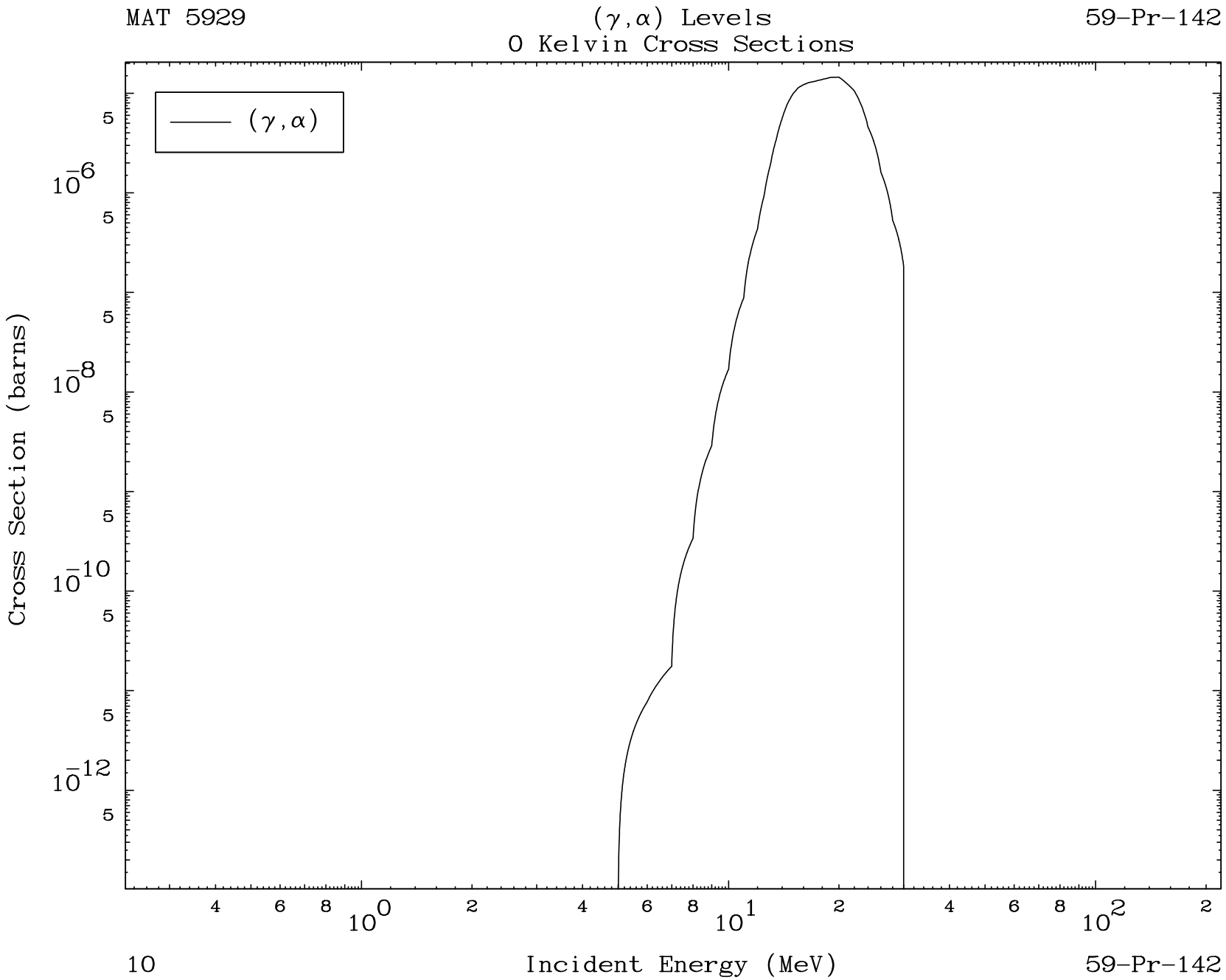

MAT 5929
(γ,n') Level
59-Pr-142
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
5
59-Pr-142

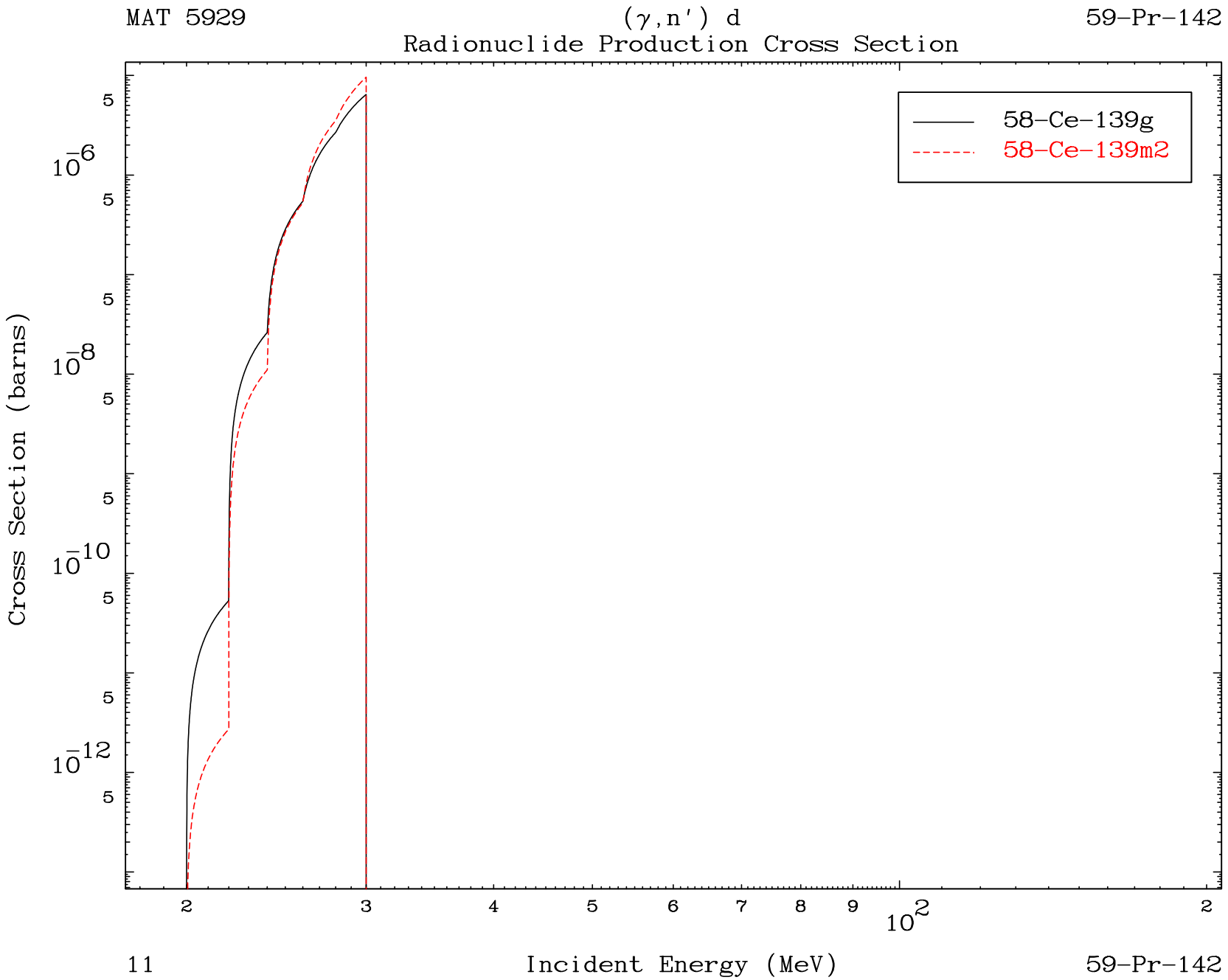

MAT 5929
(γ,p) Levels
59-Pr-142
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
59-Pr-142
6

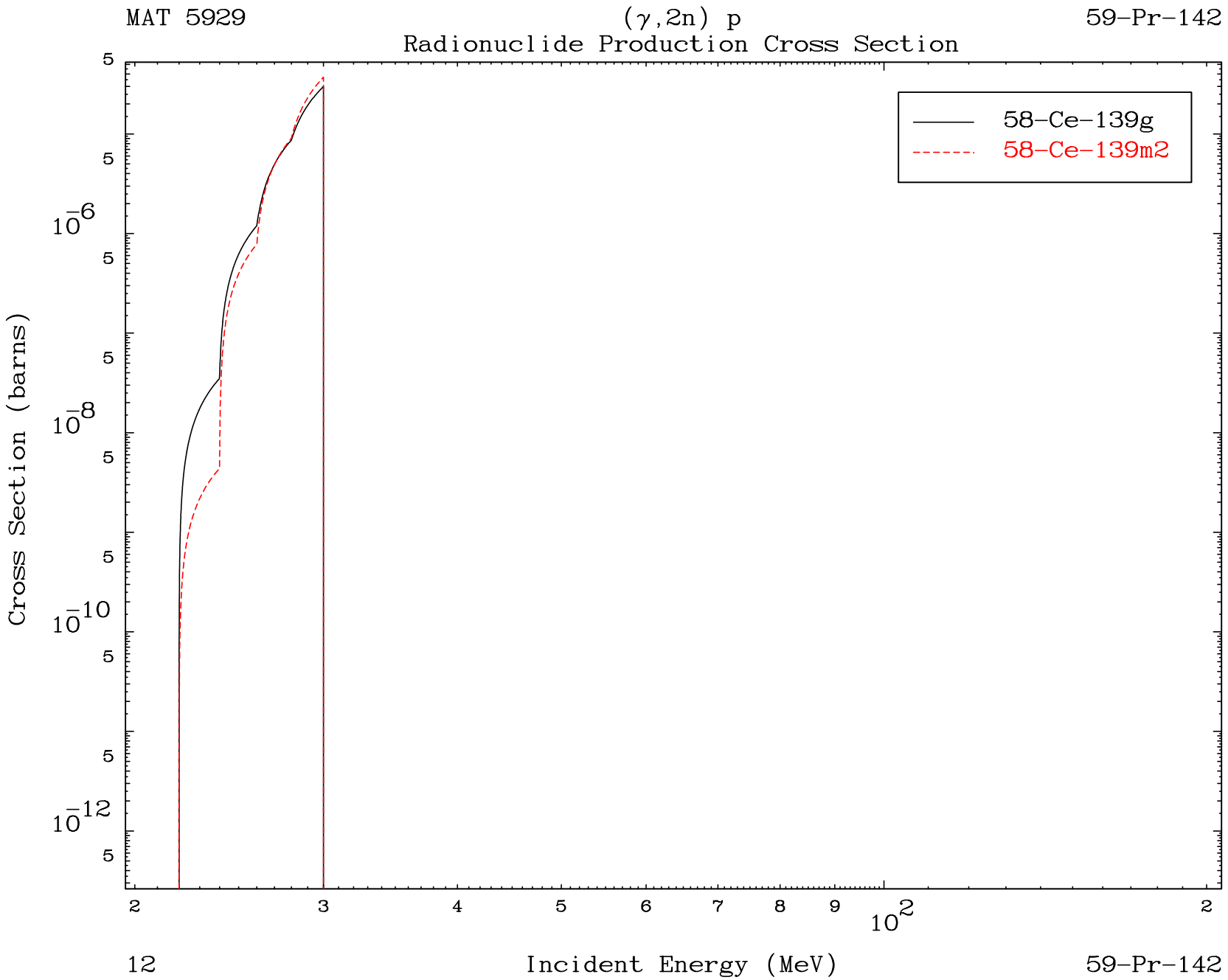

MAT 5929
(γ,d) Levels
59-Pr-142
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
7
59-Pr-142

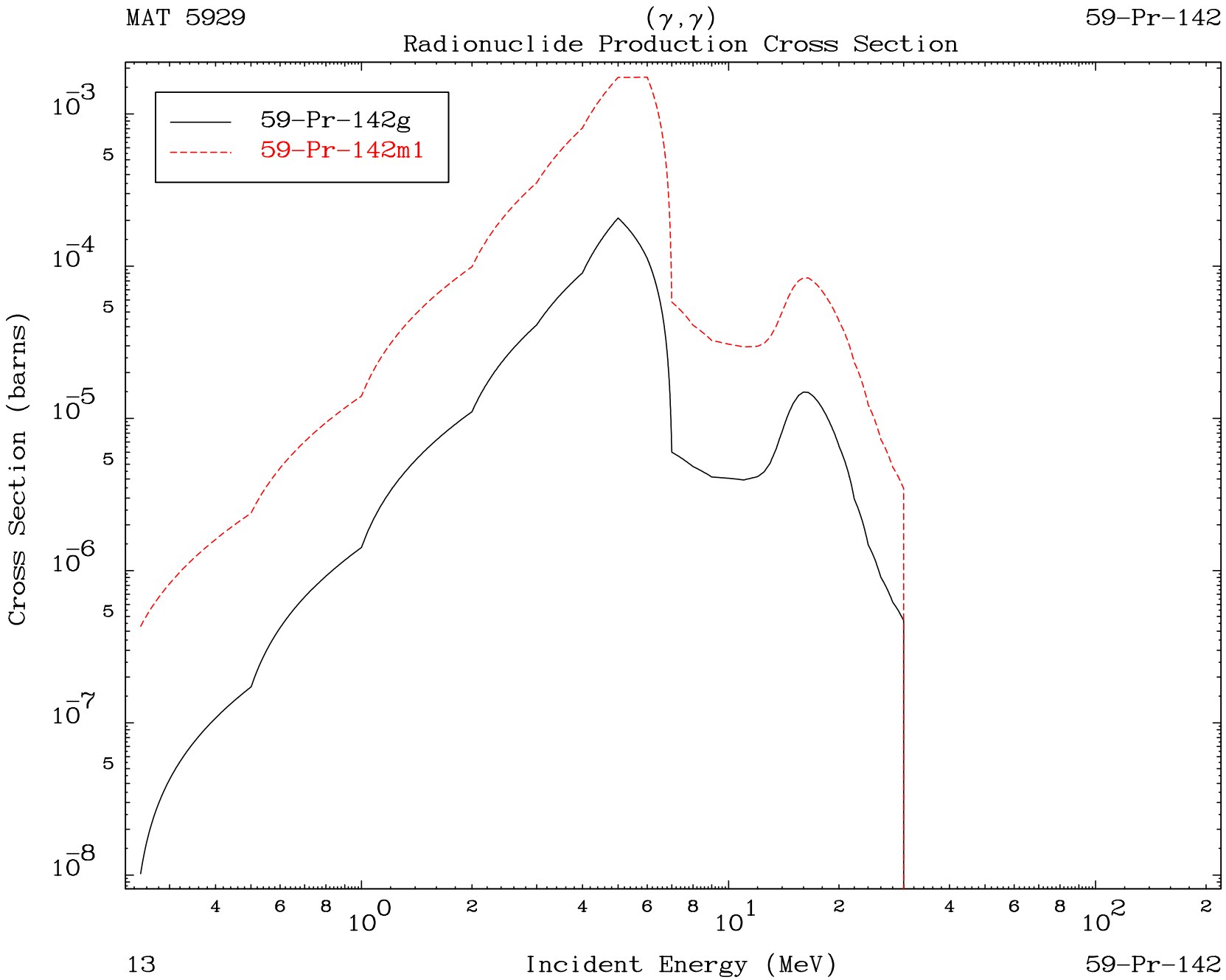

MAT 5929
(γ,t) Levels
59-Pr-142
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10-6
5
10-8
5
10-10
5
10-12
5
10-14
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
8
59-Pr-142

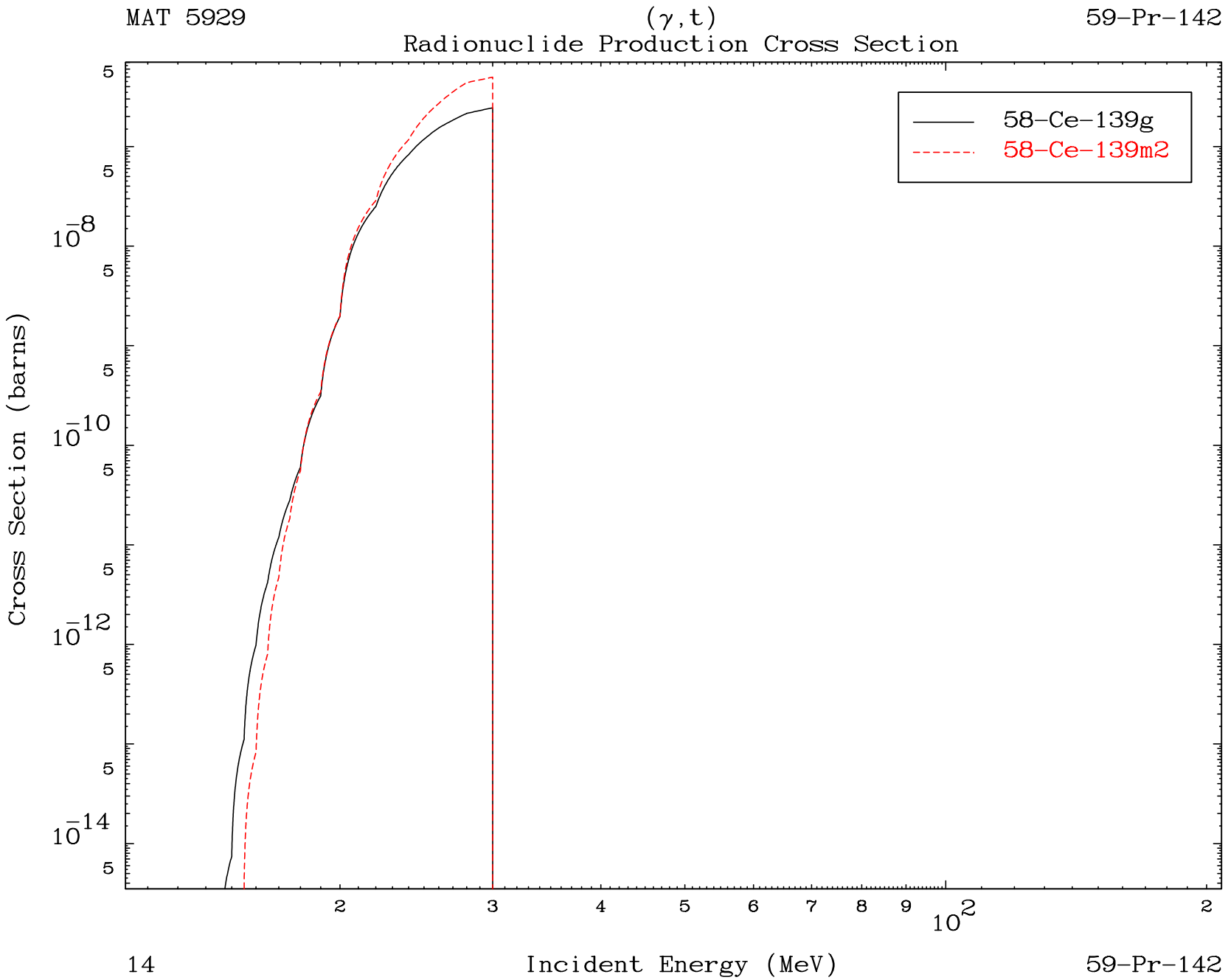

MAT 5929
(γ,He3) Levels
0 Kelvin Cross Sections
59-Pr-142
(γ,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
59-Pr-142

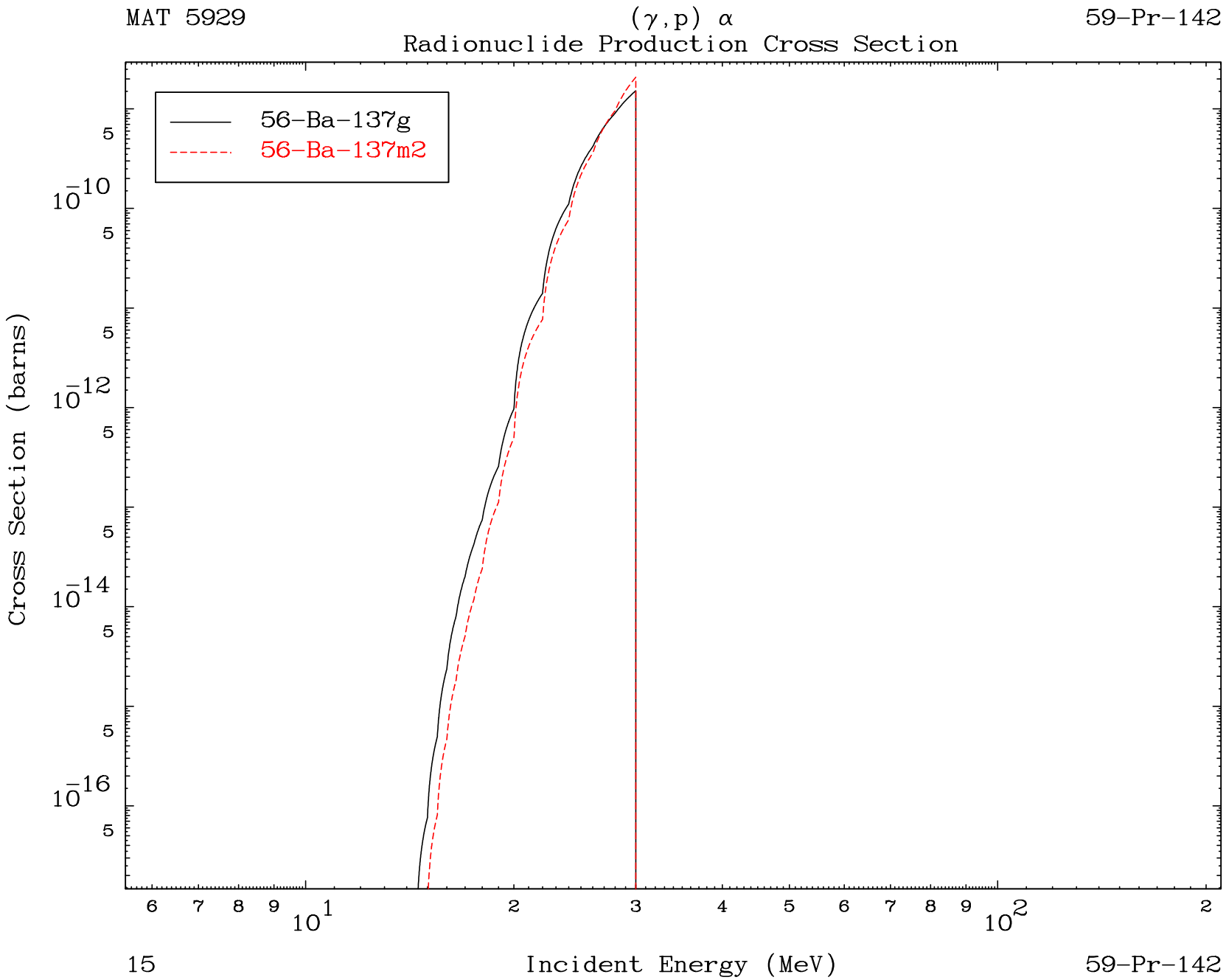

MAT 5929
(γ,α) Levels
59-Pr-142
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
59-Pr-142


MAT 5929
(γ,n') d
59-Pr-142
Radionuclide Production Cross Section
58-Ce-139g
58-Ce-139m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
11
Incident Energy (MeV)
59-Pr-142


MAT 5929
(γ,2n) p
59-Pr-142
Radionuclide Production Cross Section
58-Ce-139g
58-Ce-139m2
Cross Section (barns)
Incident Energy (MeV)
12
59-Pr-142


MAT 5929
(γ,γ)
59-Pr-142
Radionuclide Production Cross Section
59-Pr-142g
59-Pr-142m1
Cross Section (barns)
10-3
10-4
10-5
10-6
10-7
10-8
5
100
101
102
2
4
6
8
13
Incident Energy (MeV)
59-Pr-142


MAT 5929
(γ,t)
59-Pr-142
Radionuclide Production Cross Section
58-Ce-139g
58-Ce-139m2
Cross Section (barns)
Incident Energy (MeV)
14
59-Pr-142


MAT 5929
(γ,p) α
59-Pr-142
Radionuclide Production Cross Section
56-Ba-137g
56-Ba-137m2
Cross Section (barns)
Incident Energy (MeV)
15
59-Pr-142