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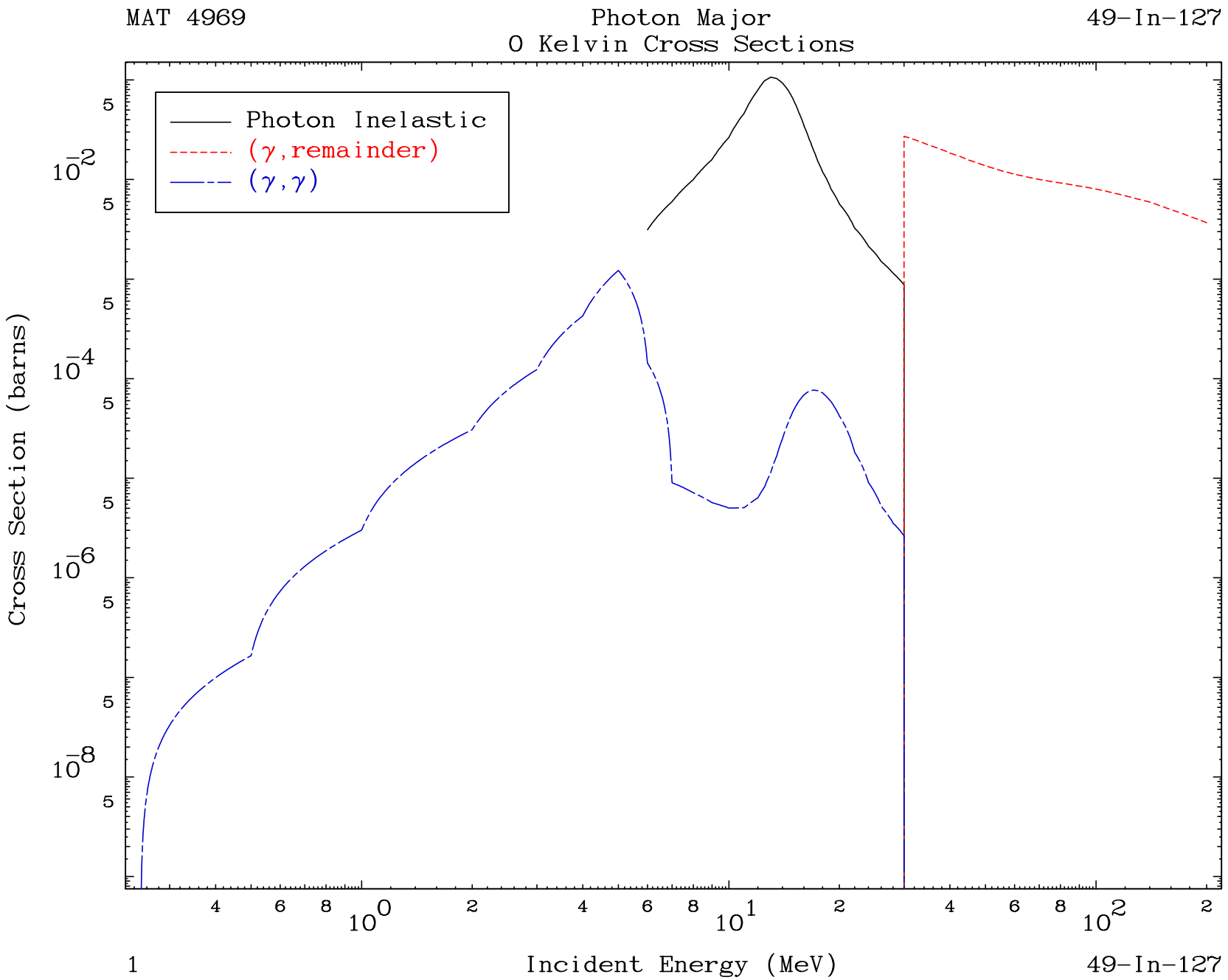
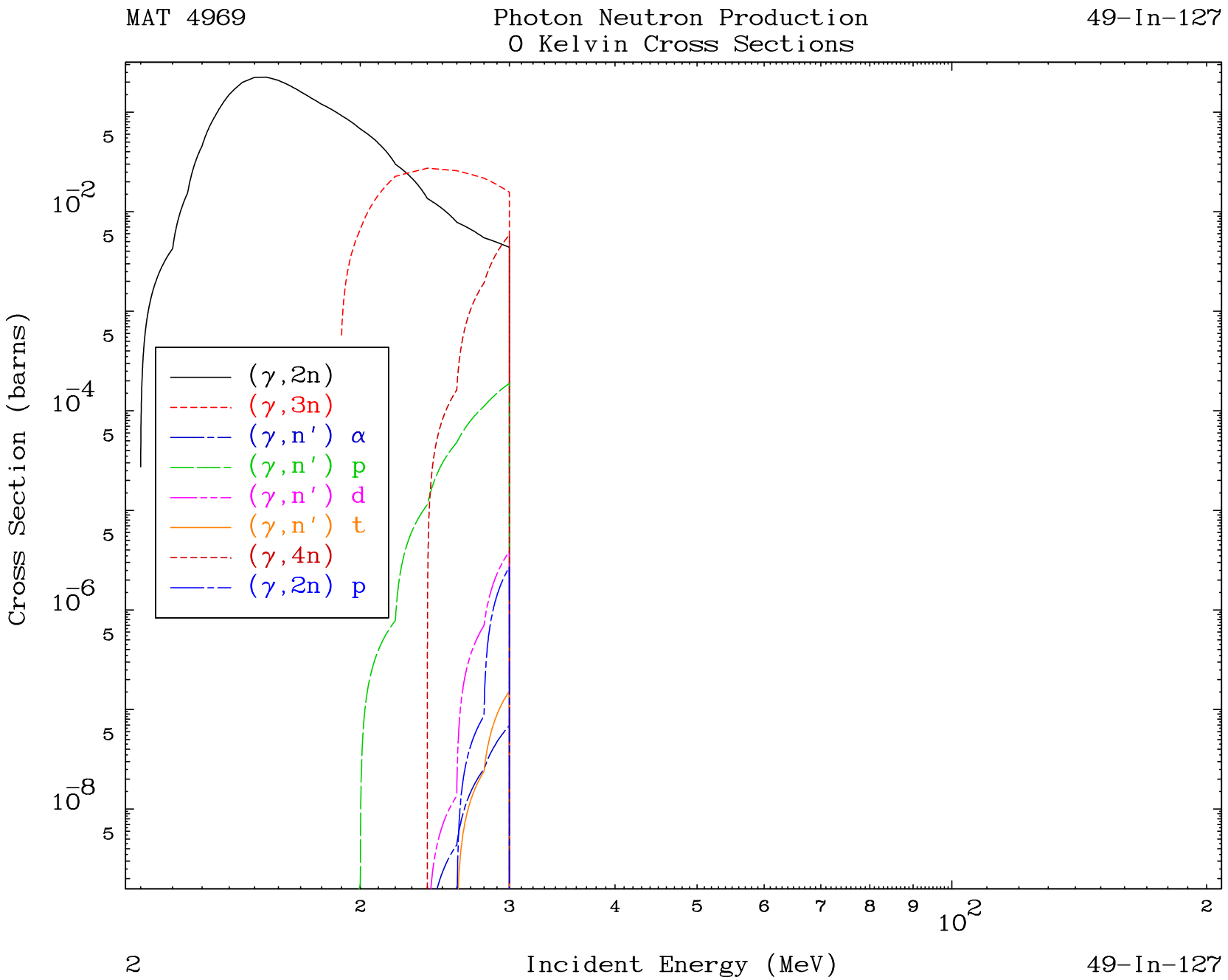
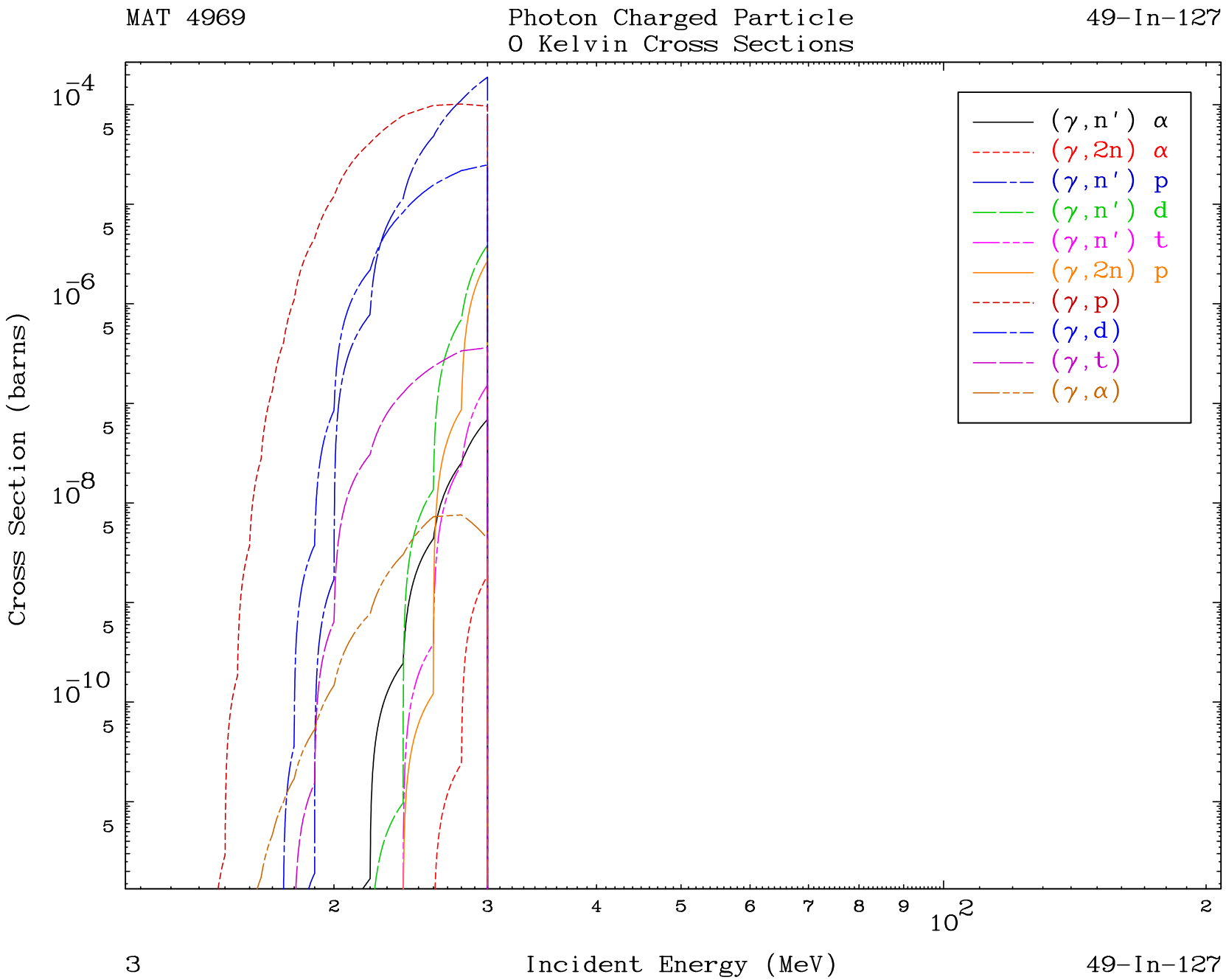
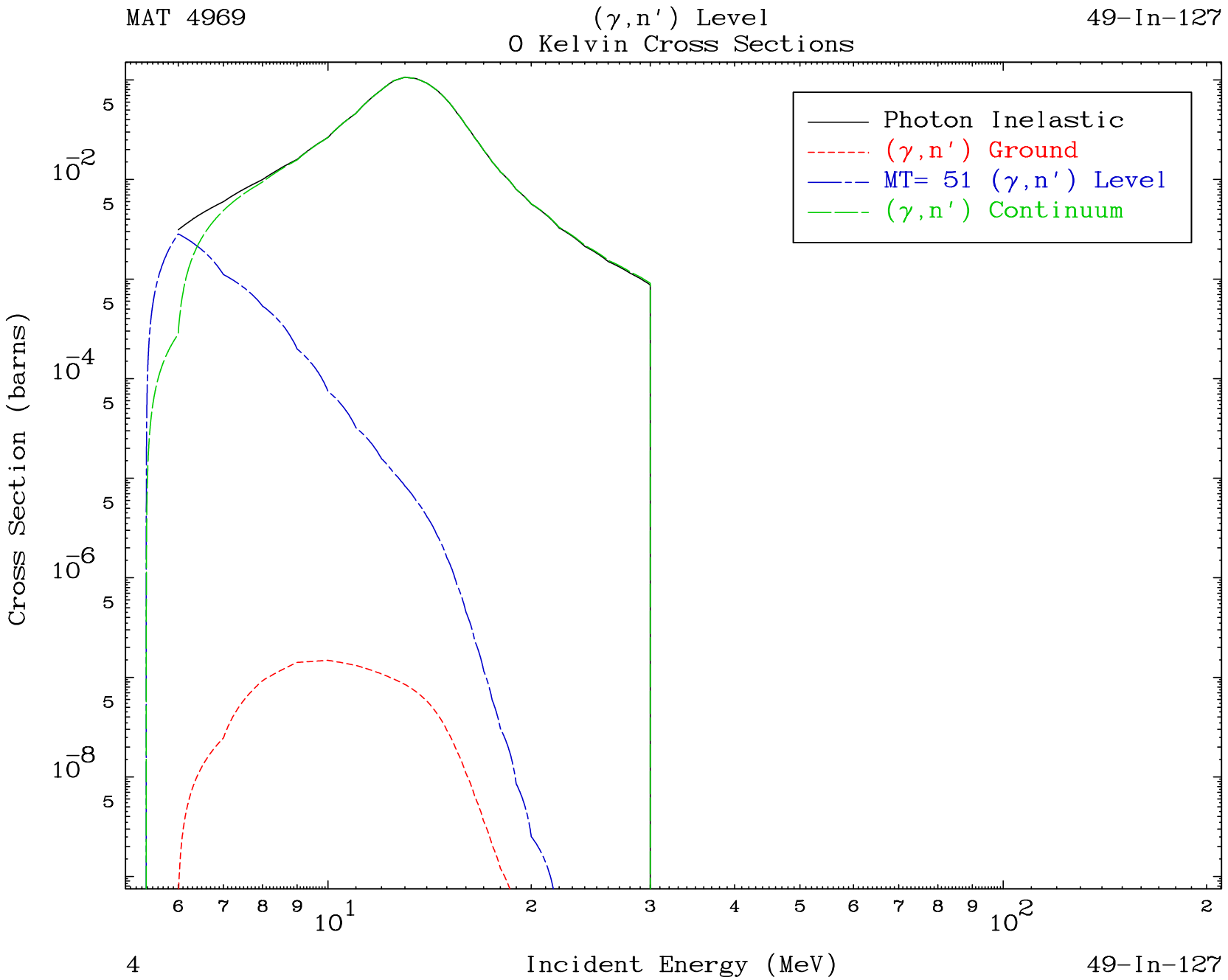
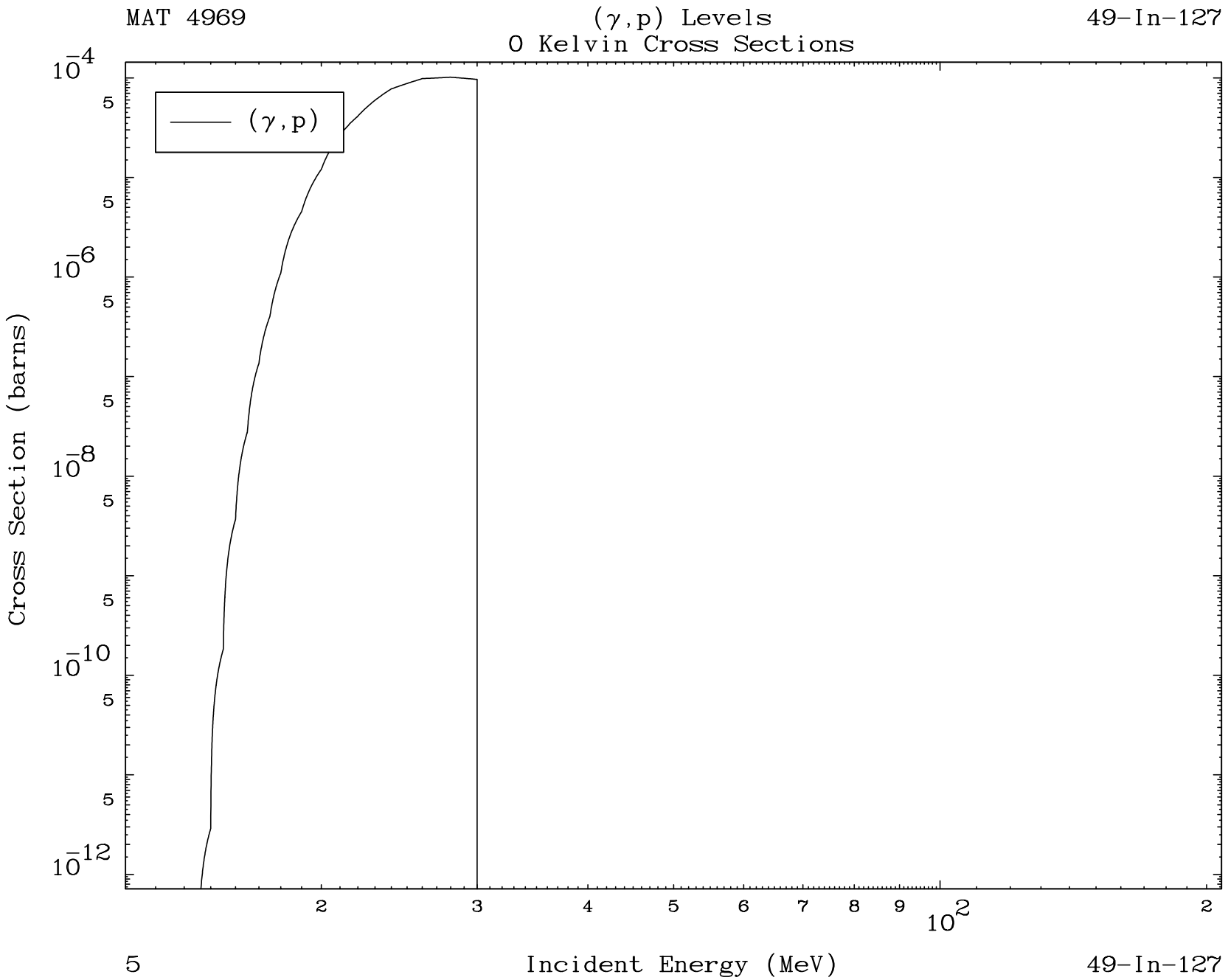
Press Mouse Button to Start

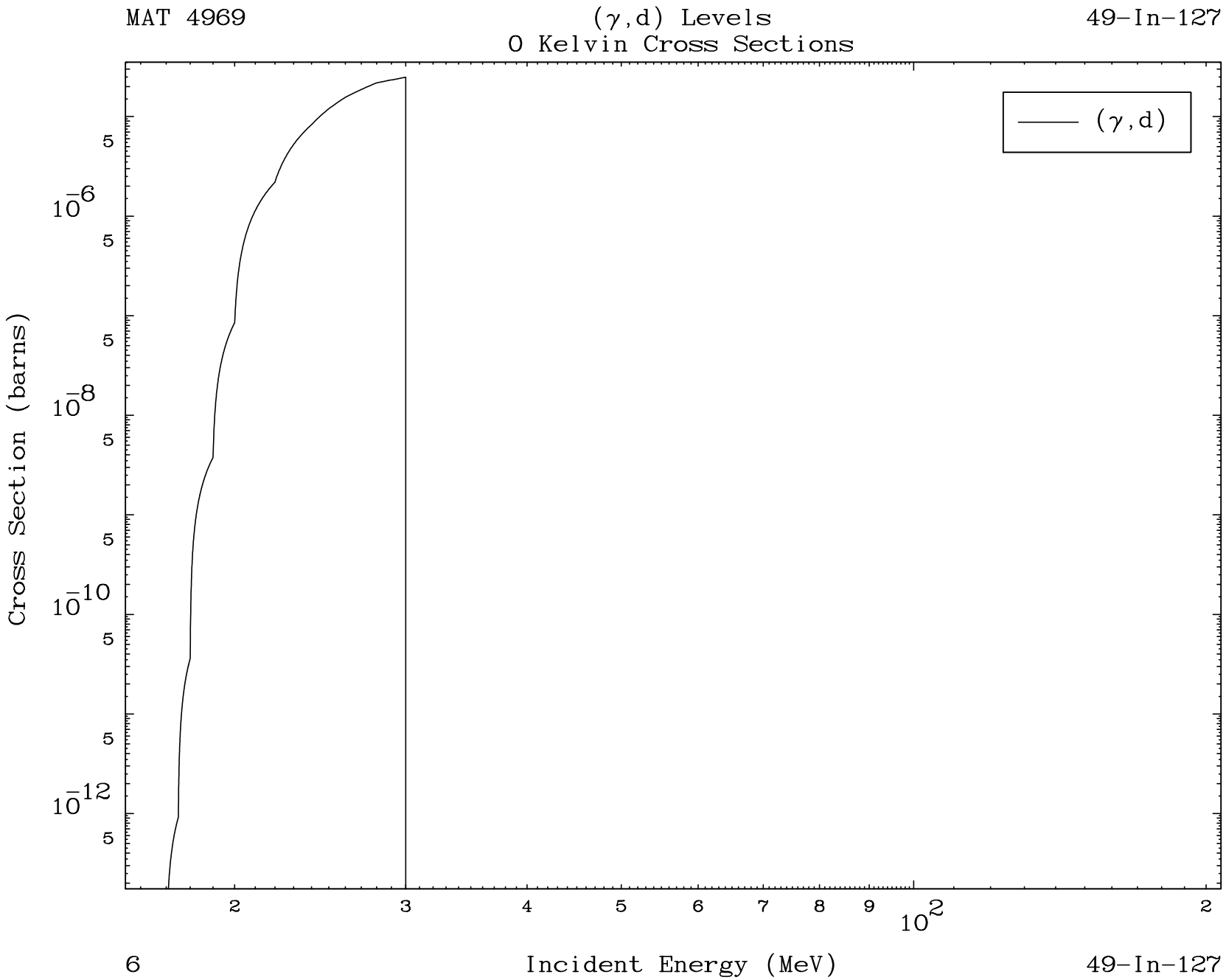

MAT 4969
Photon Major
49-In-127
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
49-In-127
1

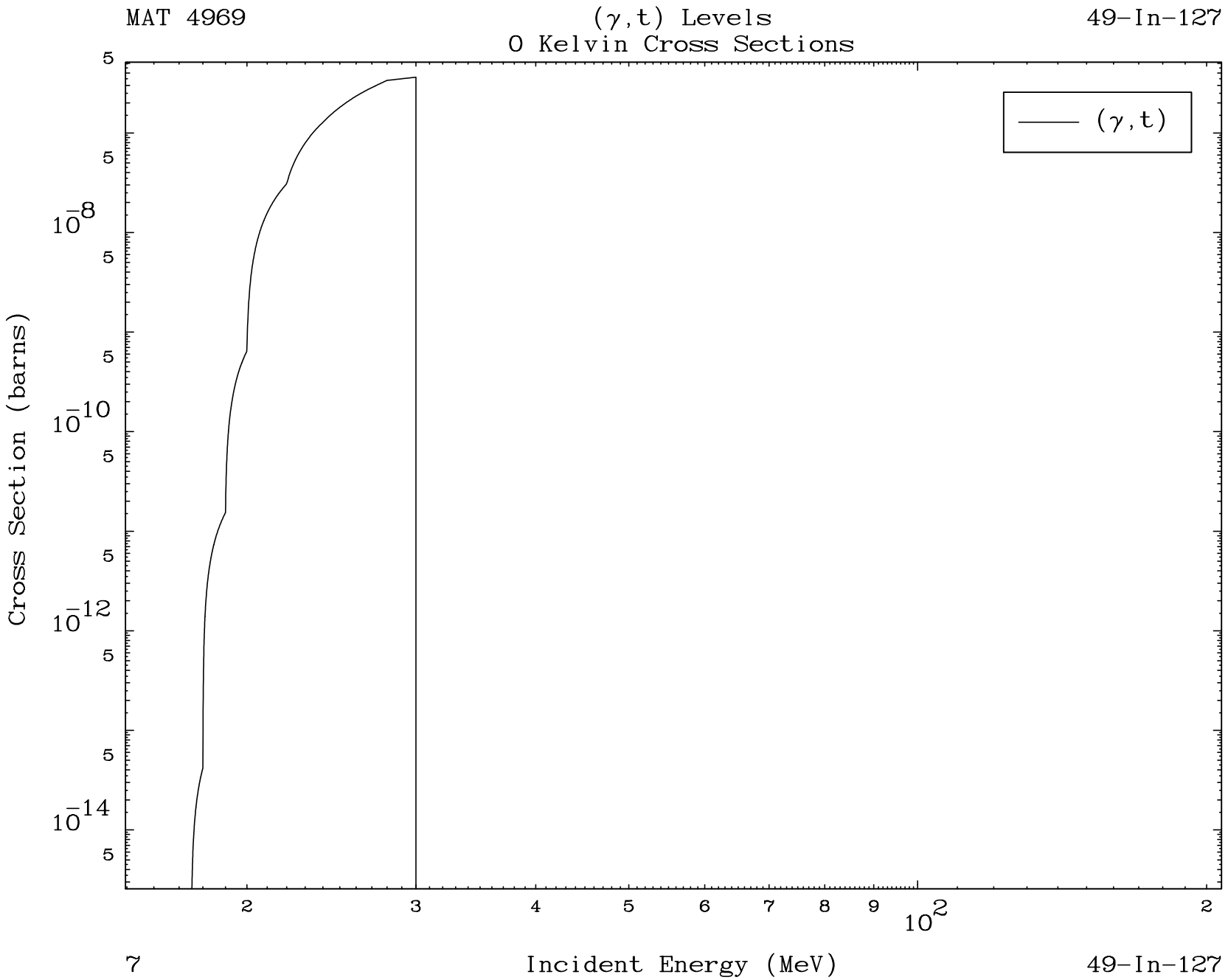

MAT 4969
Photon Neutron Production
0 Kelvin Cross Sections
49-In-127
Cross Section (barns)
Incident Energy (MeV)
49-In-127
(γ,2n)
(γ,3n)
(γ,n') α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,4n)
(γ,2n) p

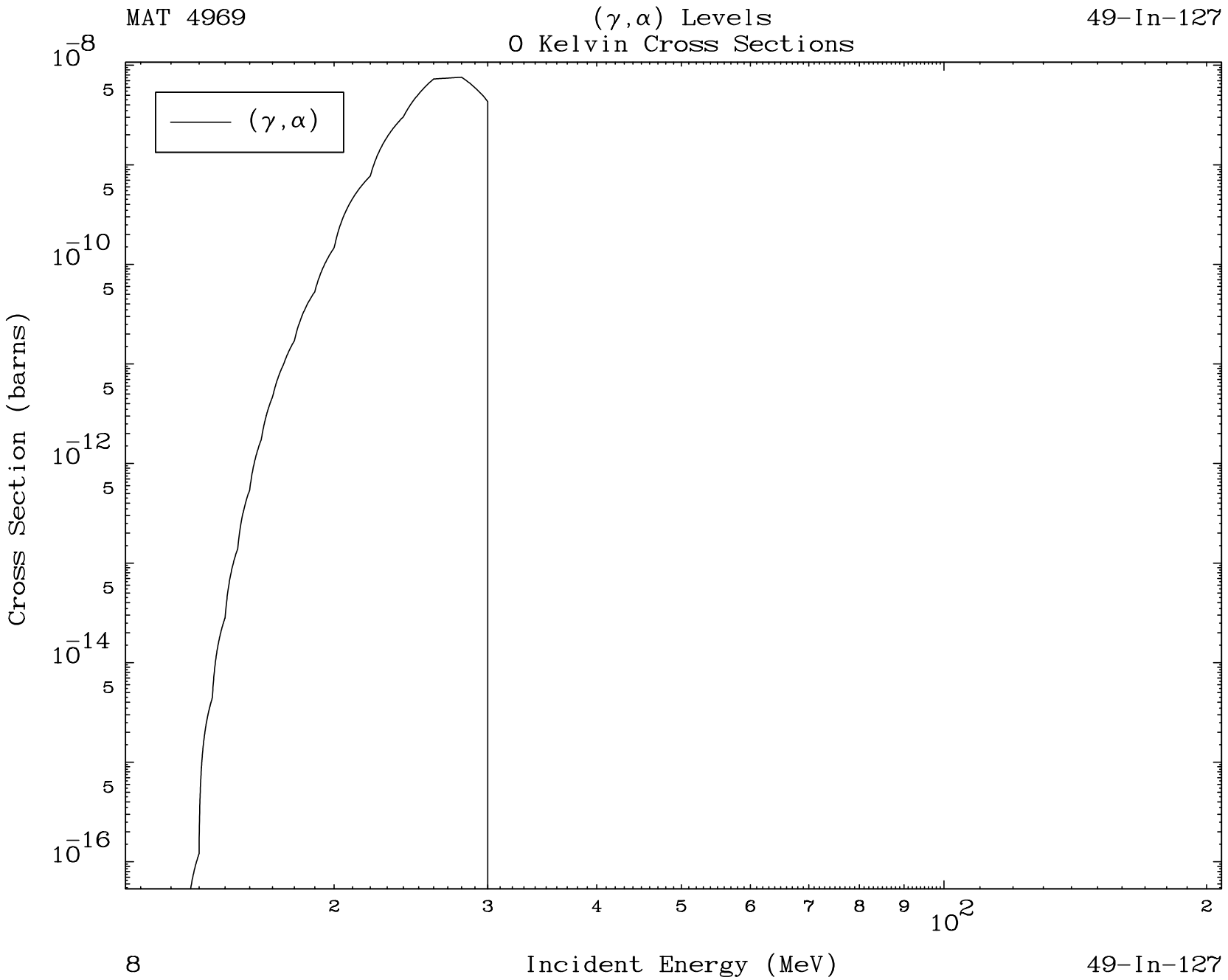

MAT 4969
Photon Charged Particle
0 Kelvin Cross Sections
49-In-127
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
3
49-In-127

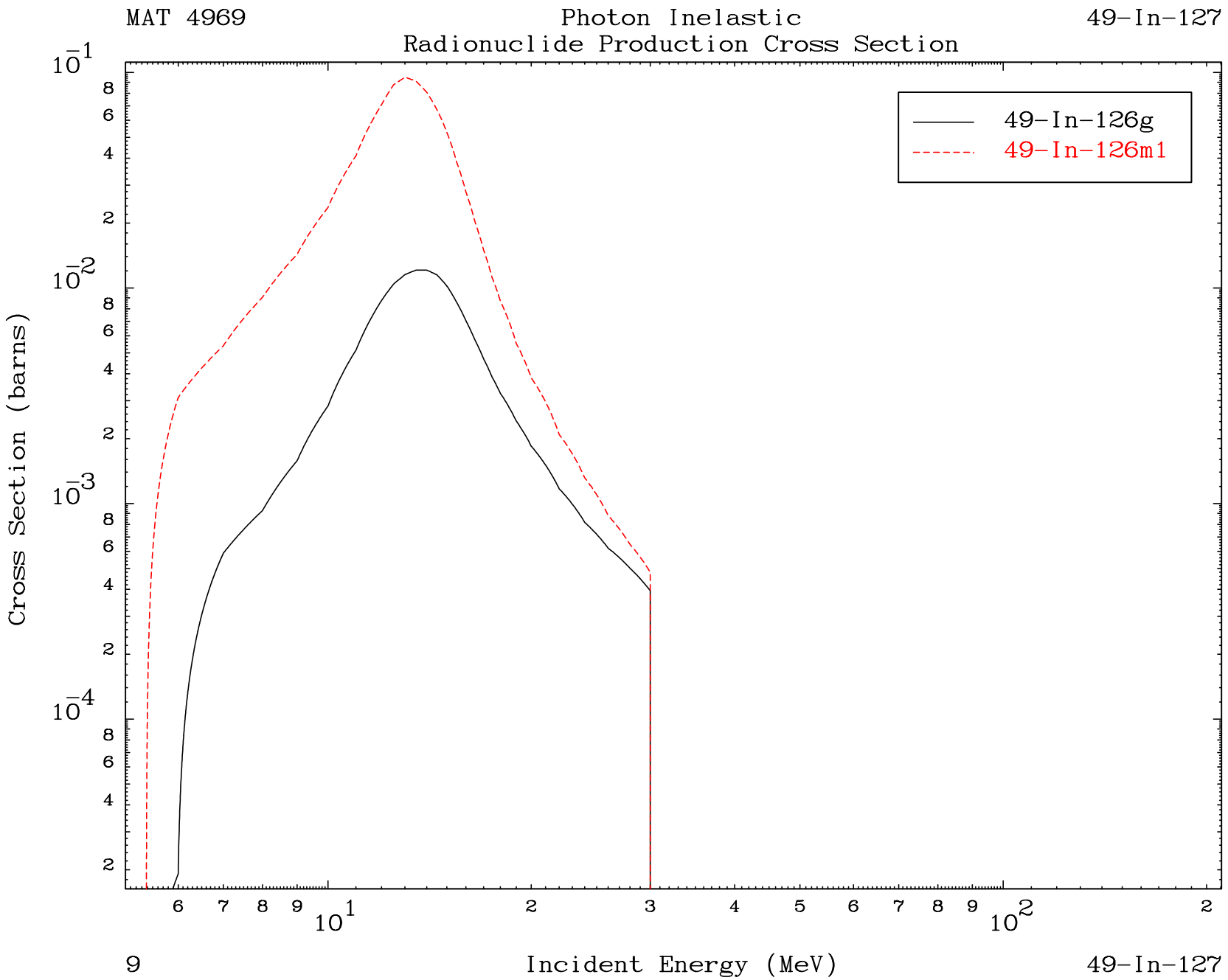

MAT 4969
(γ,n') Level
49-In-127
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
4
49-In-127

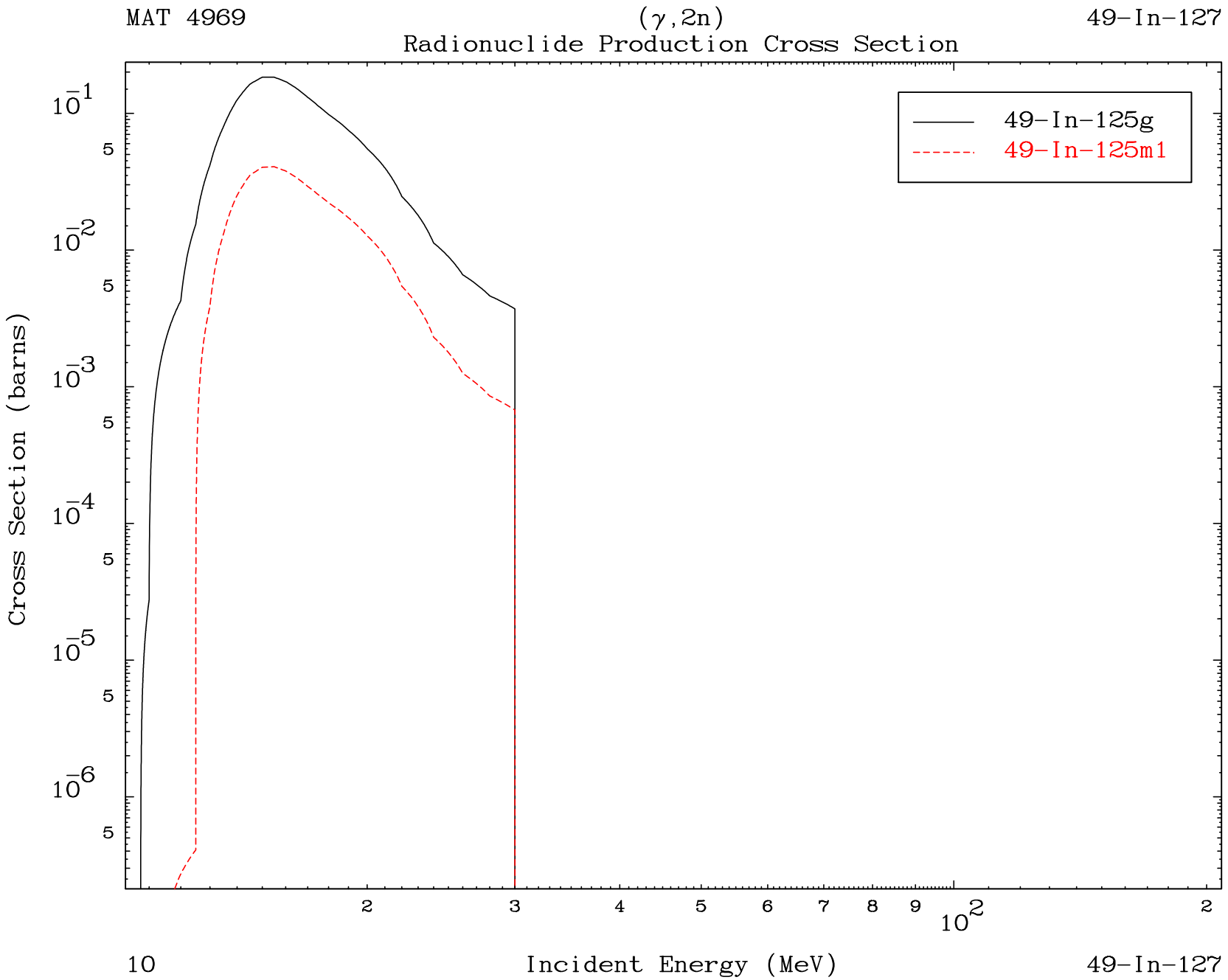

MAT 4969
(γ,p) Levels
49-In-127
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
5
Incident Energy (MeV)
49-In-127

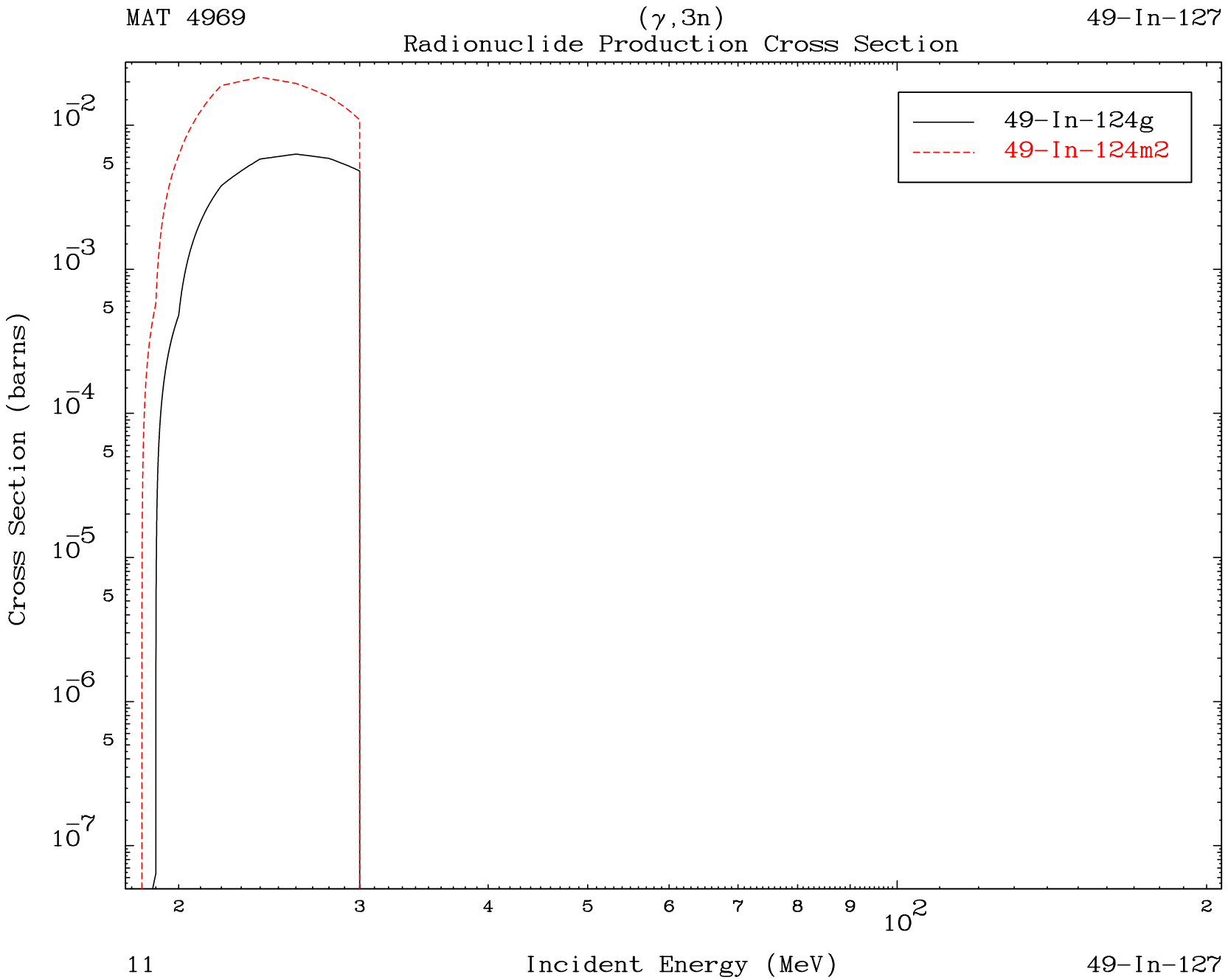

MAT 4969
(γ,d) Levels
49-In-127
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
6
Incident Energy (MeV)
49-In-127

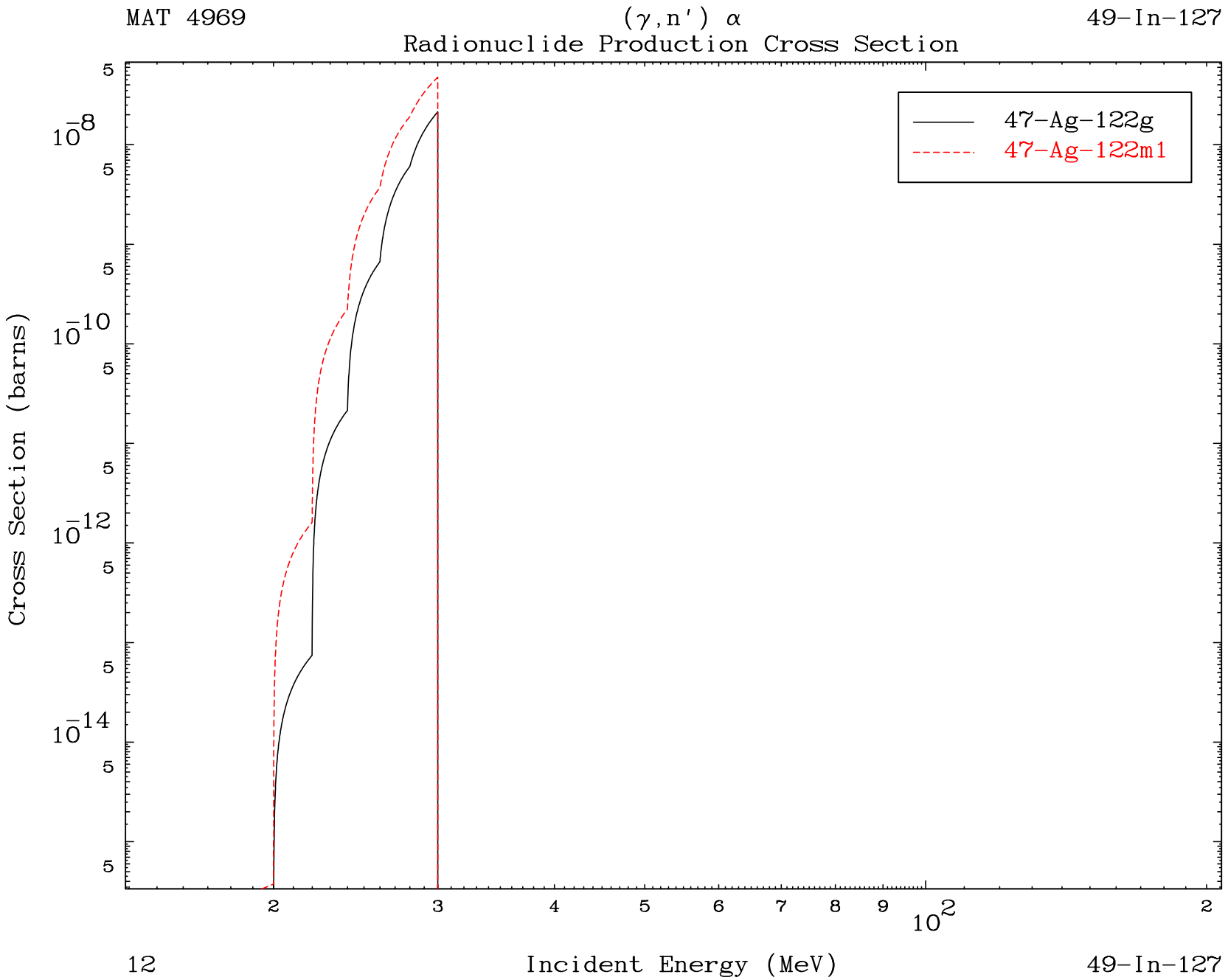

MAT 4969
(γ,t) Levels
49-In-127
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
49-In-127

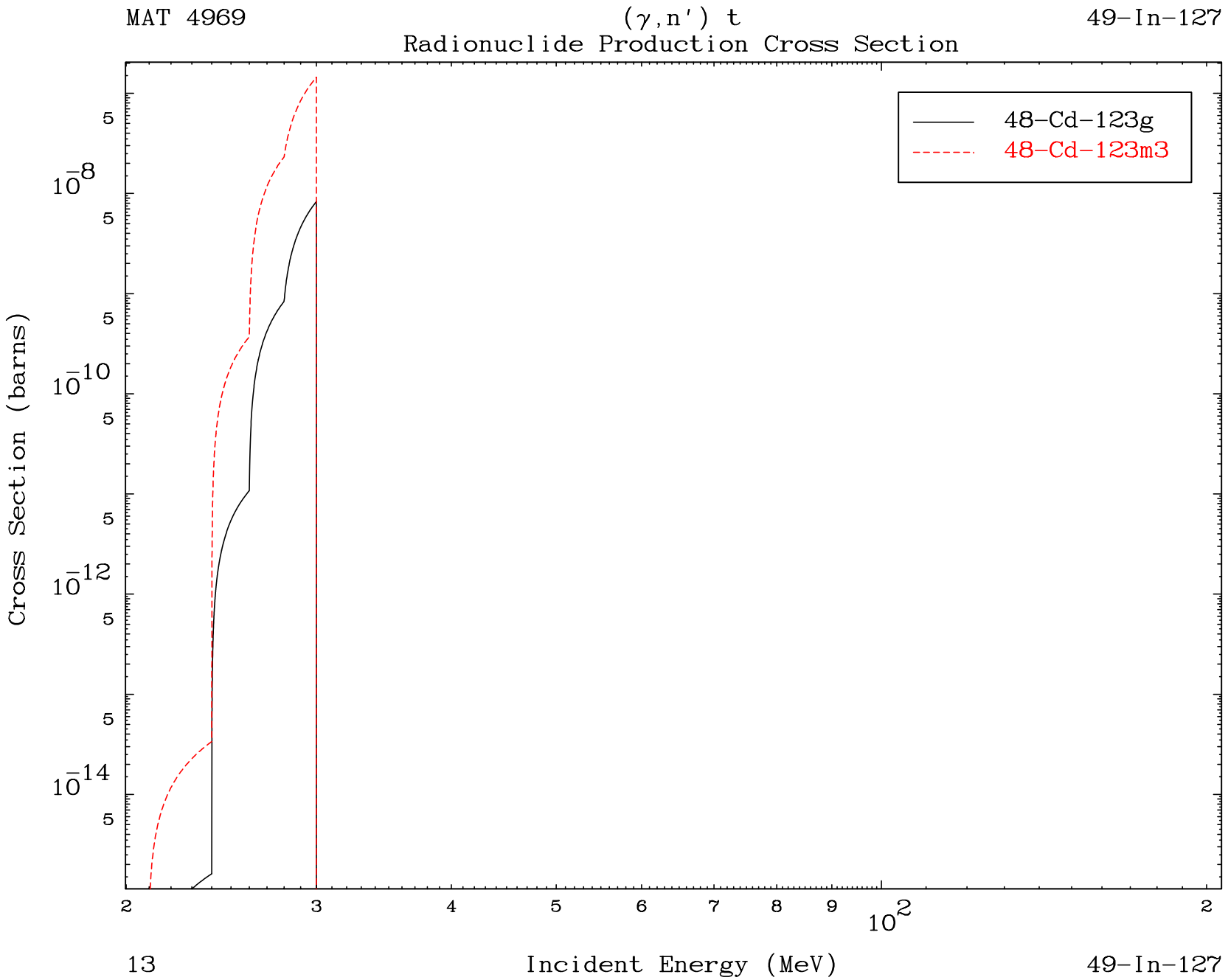

MAT 4969
(γ,α) Levels
49-In-127
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-8
5
10^-10
5
10^-12
5
10^-14
5
10^-16
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
49-In-127

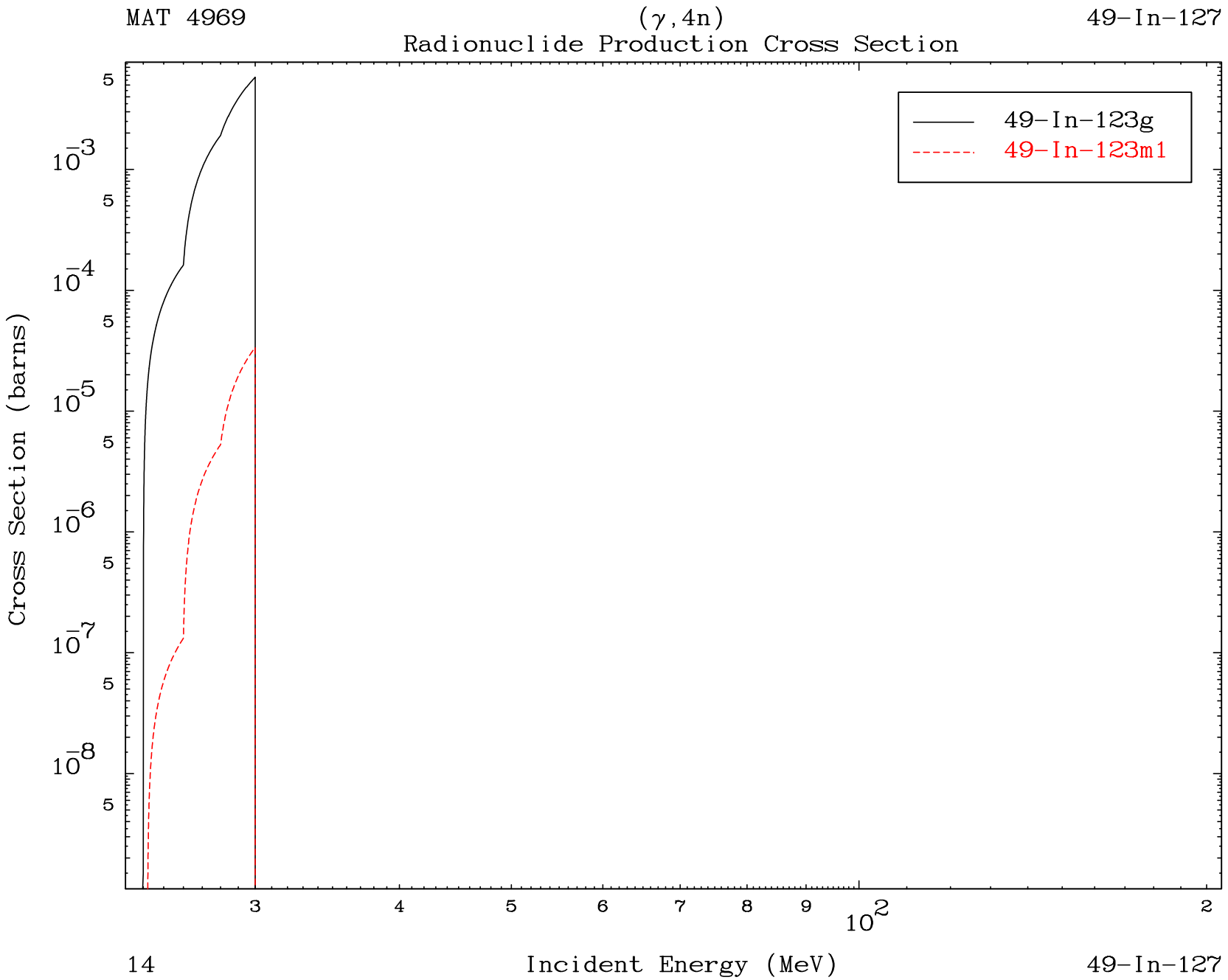

MAT 4969
Photon Inelastic
49-In-127
Radionuclide Production Cross Section
49-In-126g
49-In-126m1
Cross Section (barns)
Incident Energy (MeV)
9
49-In-127

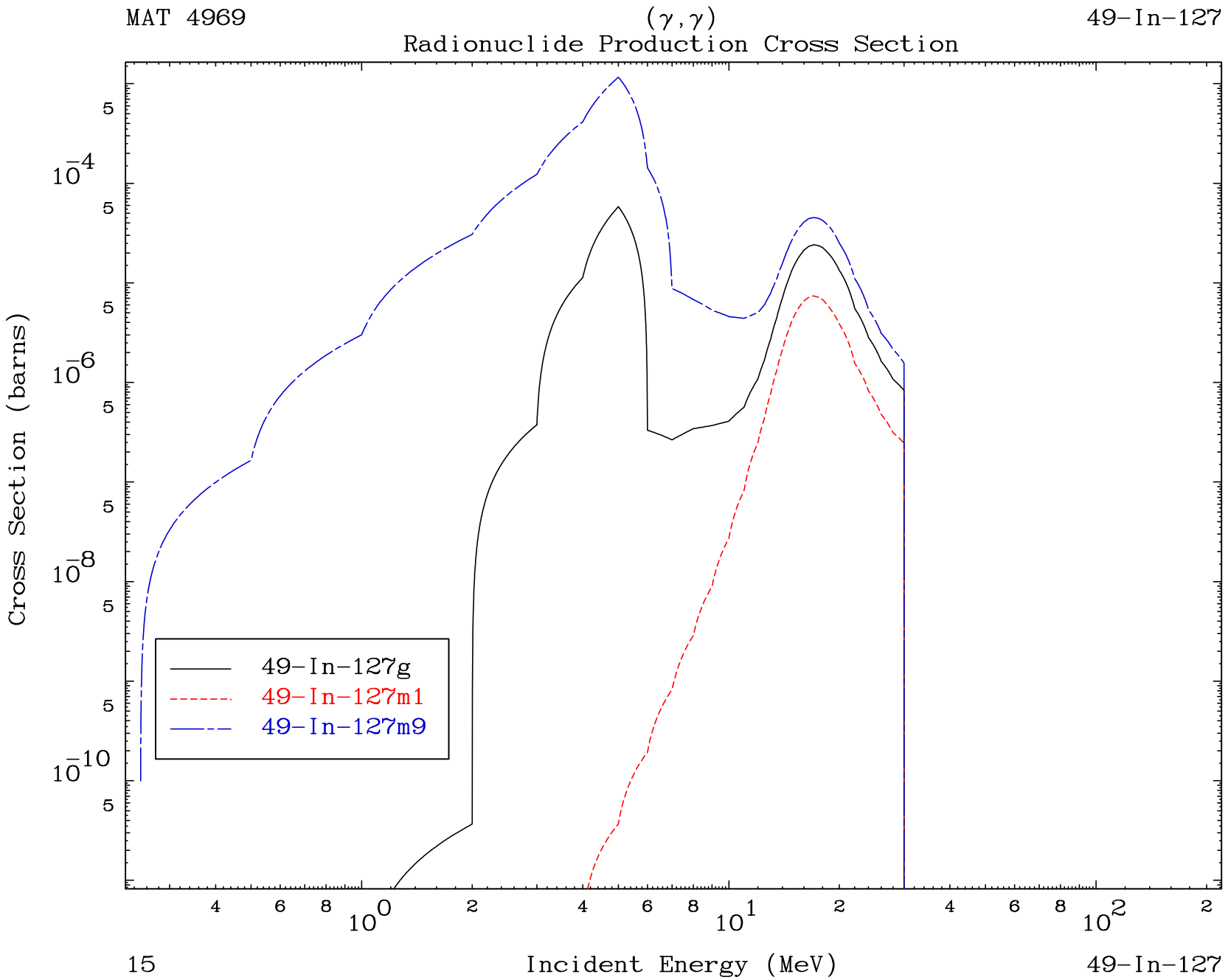

MAT 4969
(γ,2n)
49-In-127
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
5
2
3
4
5
6
7
8
9
10^2
10
Incident Energy (MeV)
49-In-127


MAT 4969
(γ,3n)
49-In-127
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
10-2
10-3
10-4
10-5
10-6
10-7
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
49-In-127


MAT 4969
(γ,n') α
49-In-127
Radionuclide Production Cross Section
47-Ag-122g
47-Ag-122m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
49-In-127


MAT 4969
(γ,n') t
49-In-127
Radionuclide Production Cross Section
48-Cd-123g
48-Cd-123m3
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
49-In-127


MAT 4969
(γ,4n)
49-In-127
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
10-3
10-4
10-5
10-6
10-7
10-8
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
49-In-127


MAT 4969
(γ,γ)
49-In-127
Radionuclide Production Cross Section
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
49-In-127g
49-In-127m1
49-In-127m9
10^0
10^1
10^2
Incident Energy (MeV)
15
49-In-127