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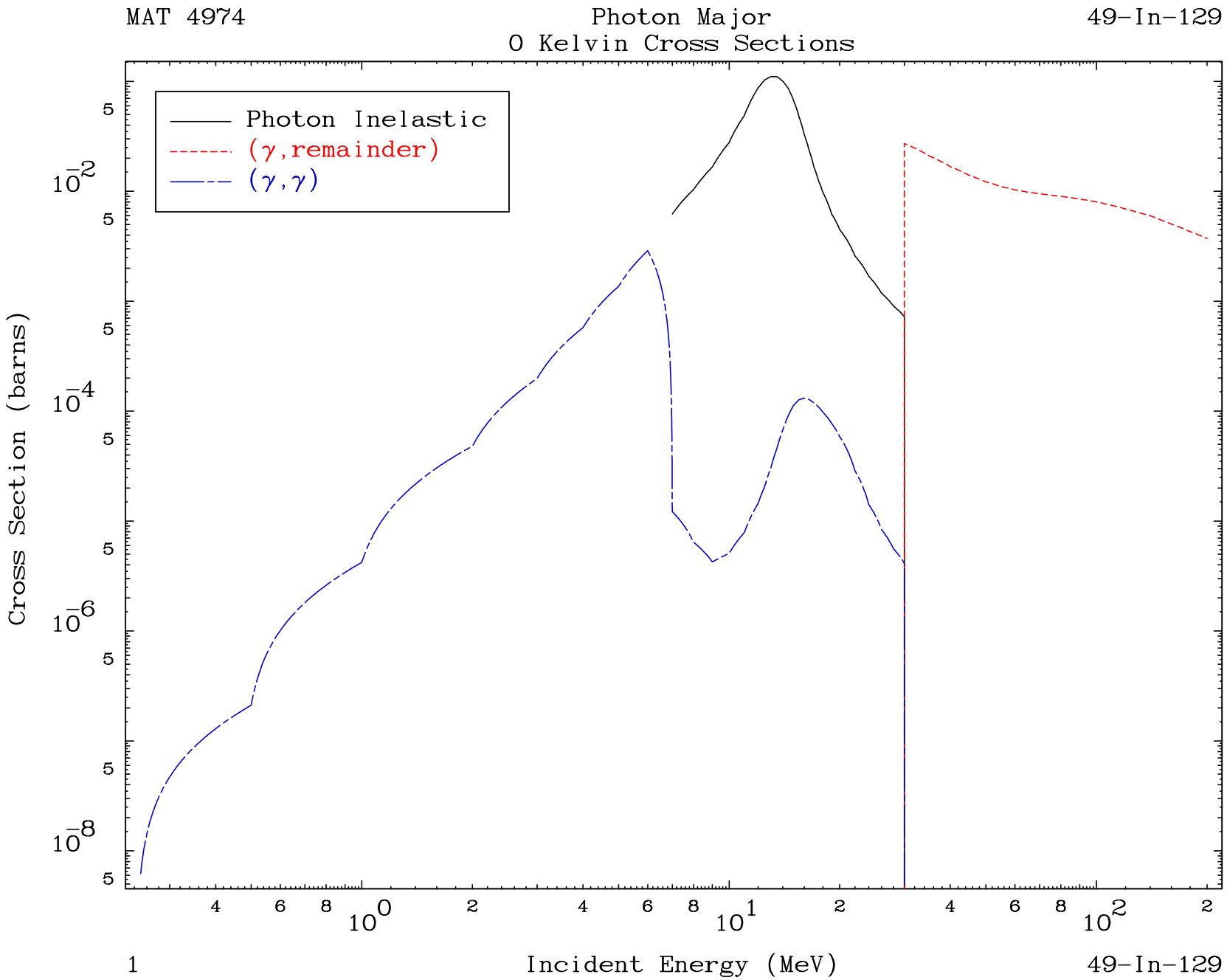
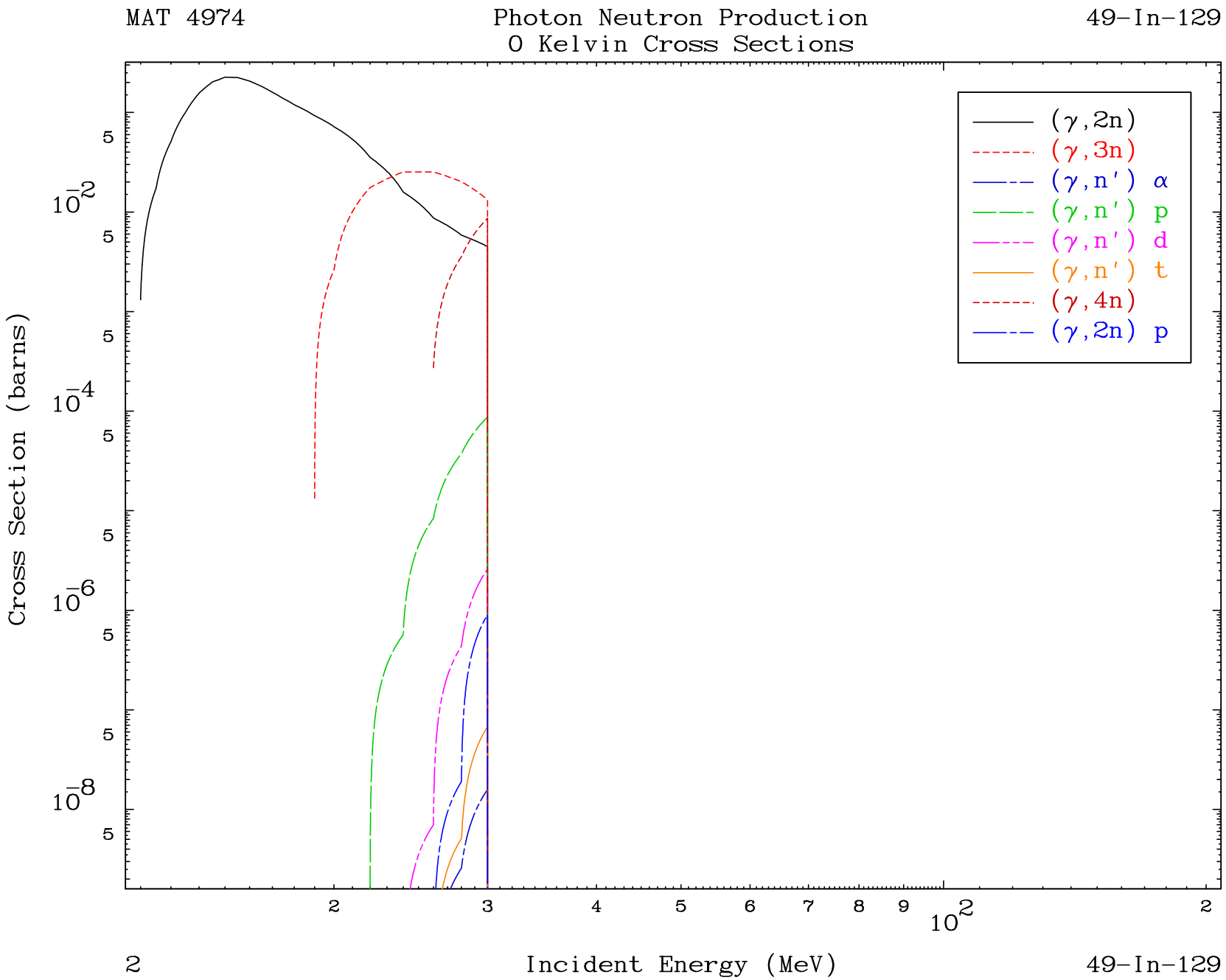
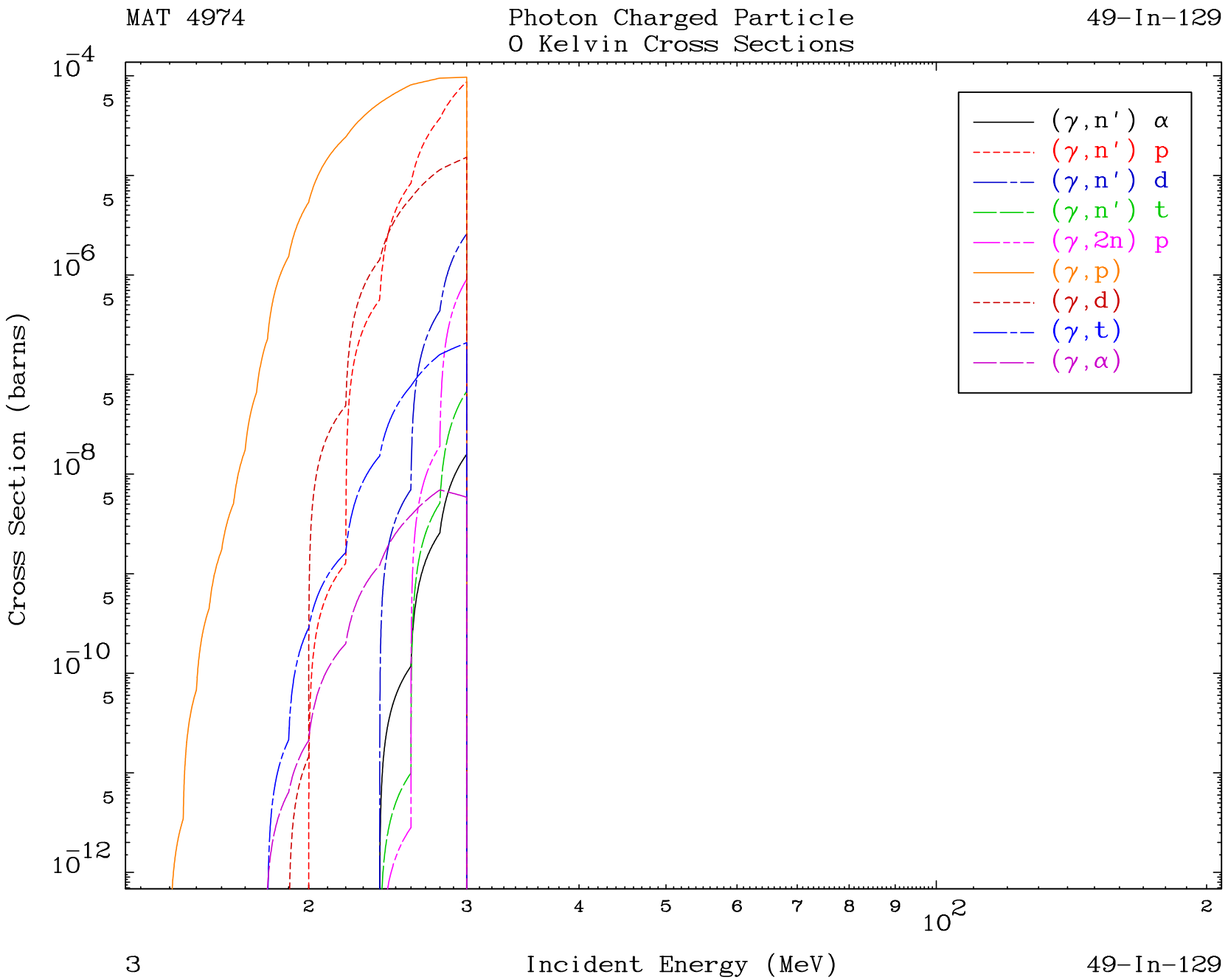
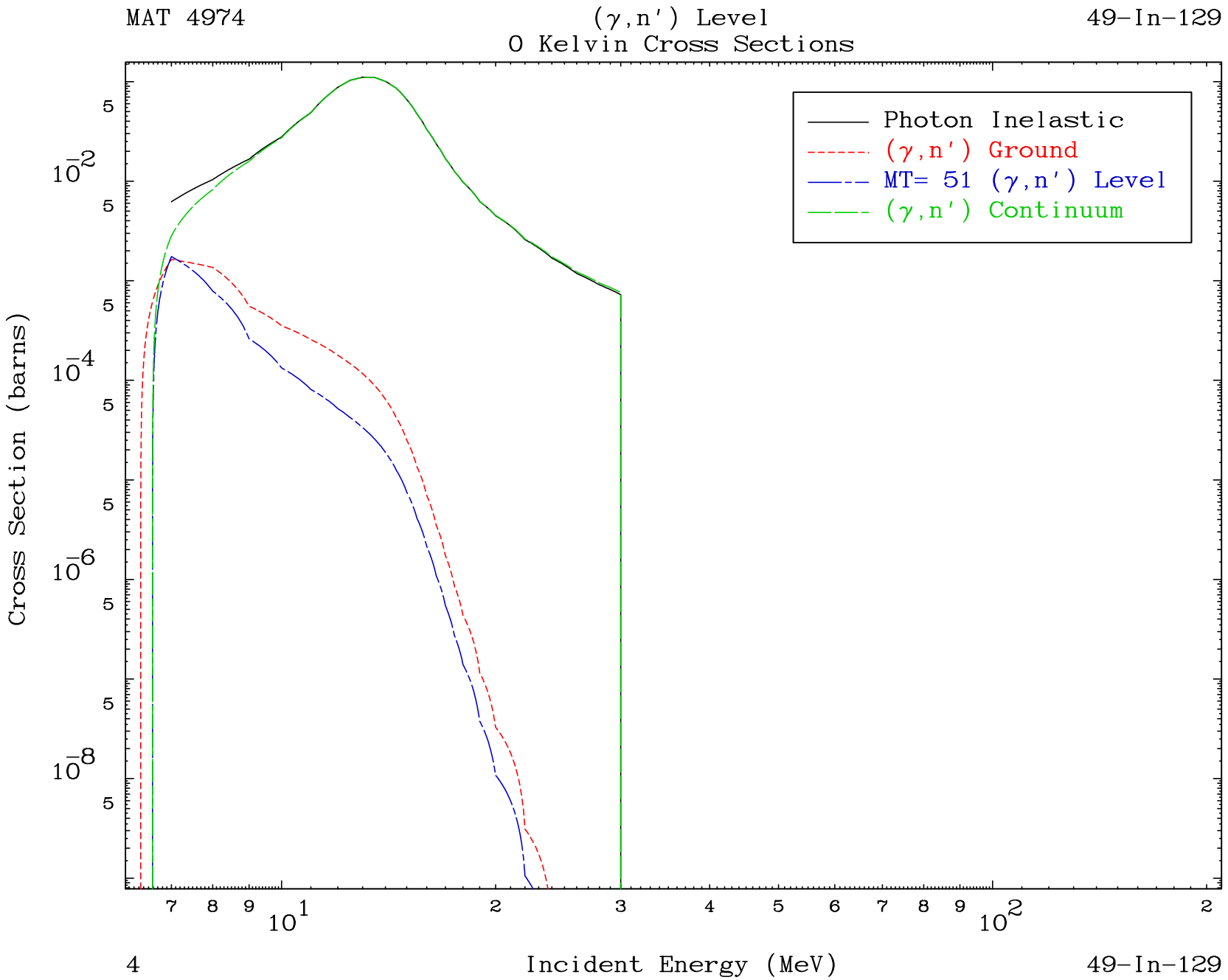
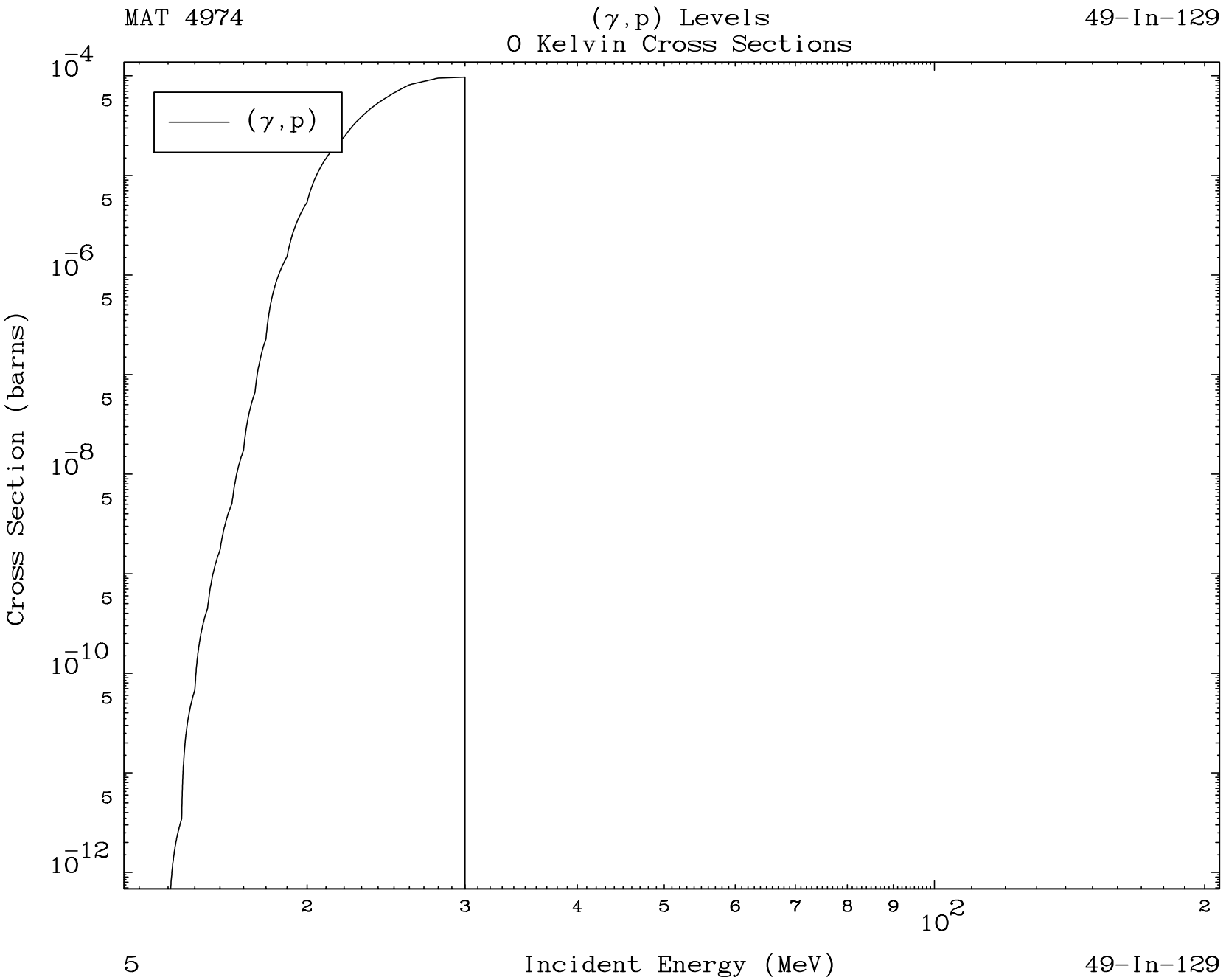
Press Mouse Button to Start

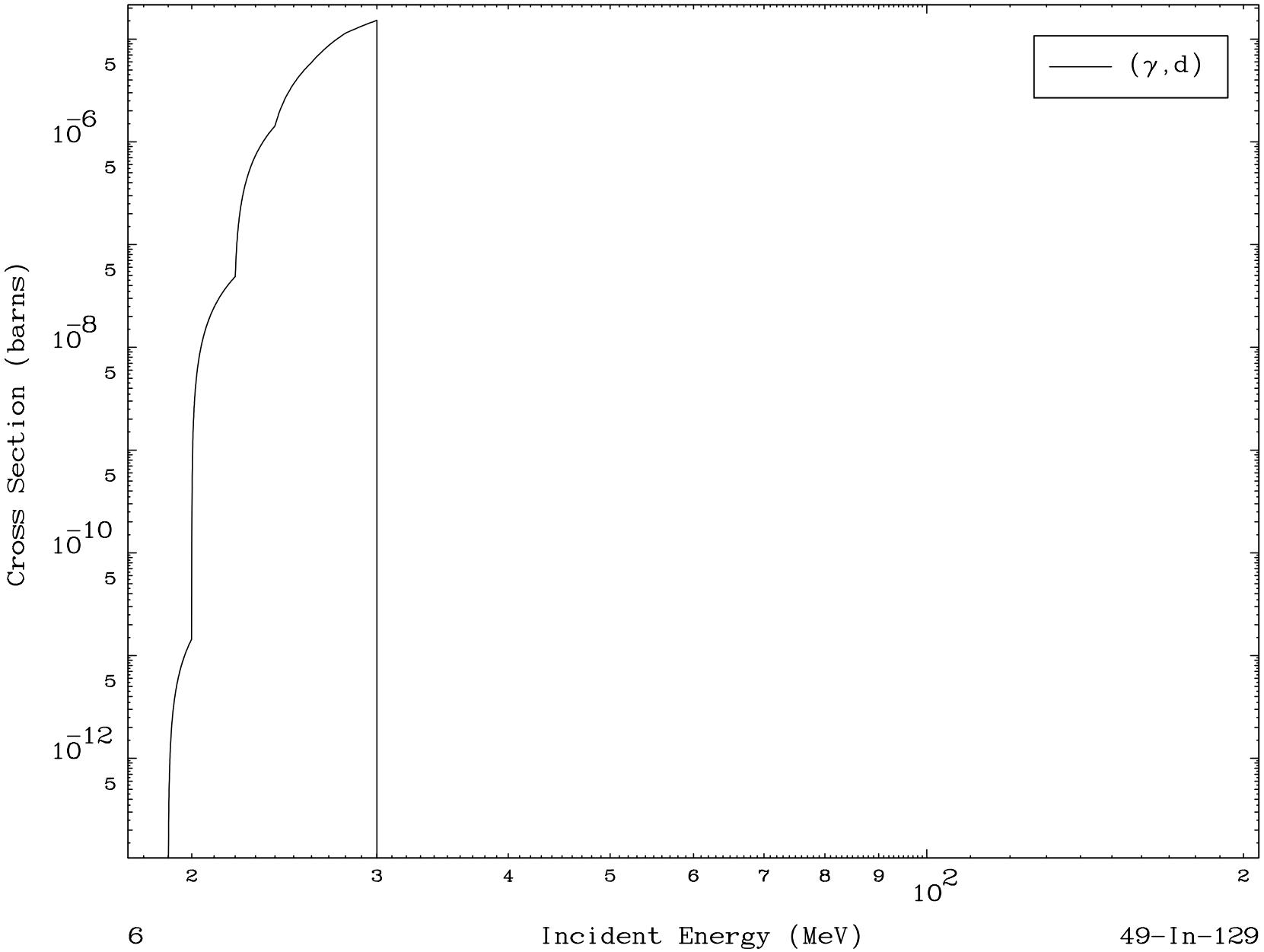

MAT 4974
Photon Major
49-In-129
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
1
49-In-129

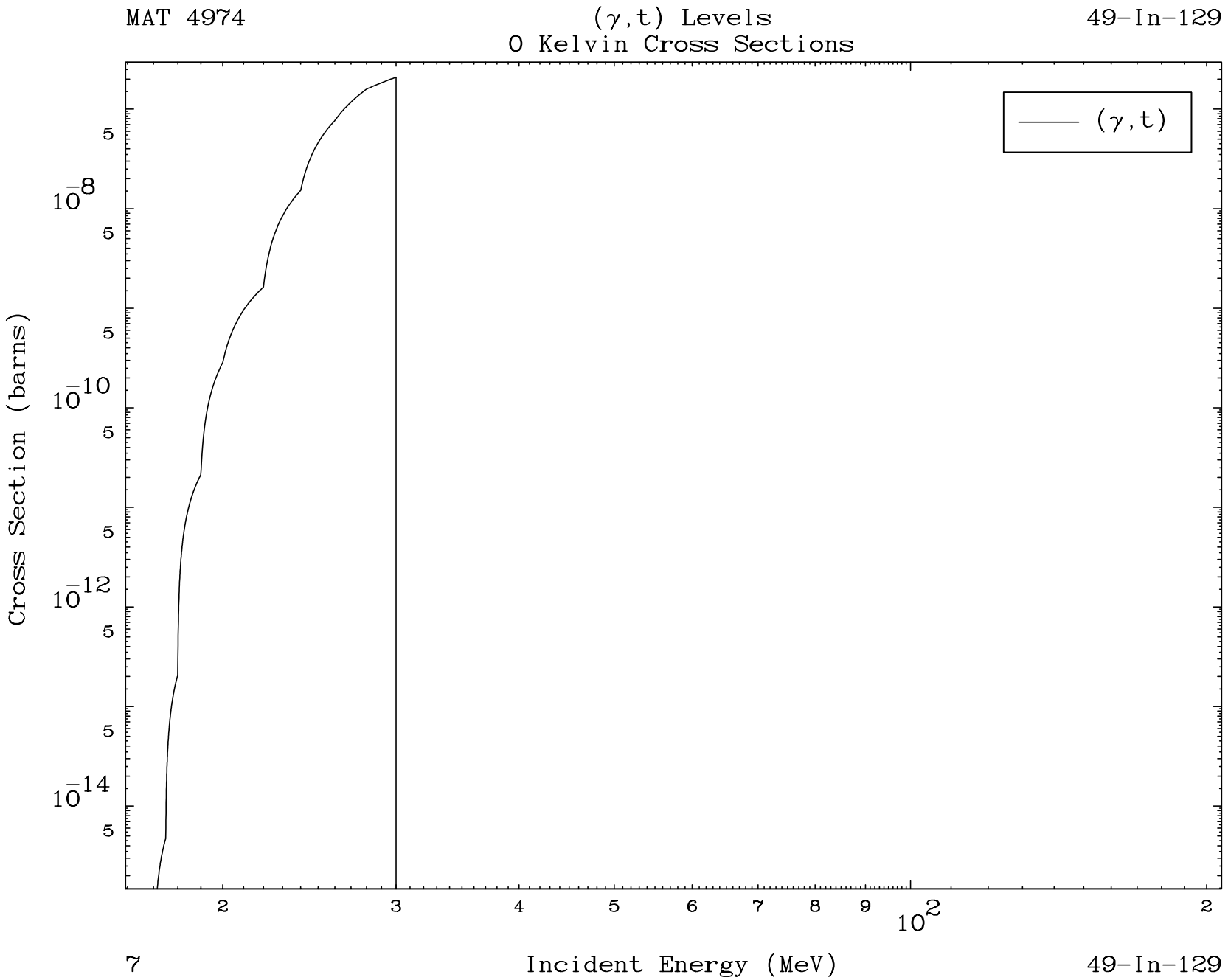

MAT 4974
Photon Neutron Production
0 Kelvin Cross Sections
49-In-129
Cross Section (barns)
Incident Energy (MeV)
(γ,2n)
(γ,3n)
(γ,n') α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,4n)
(γ,2n) p

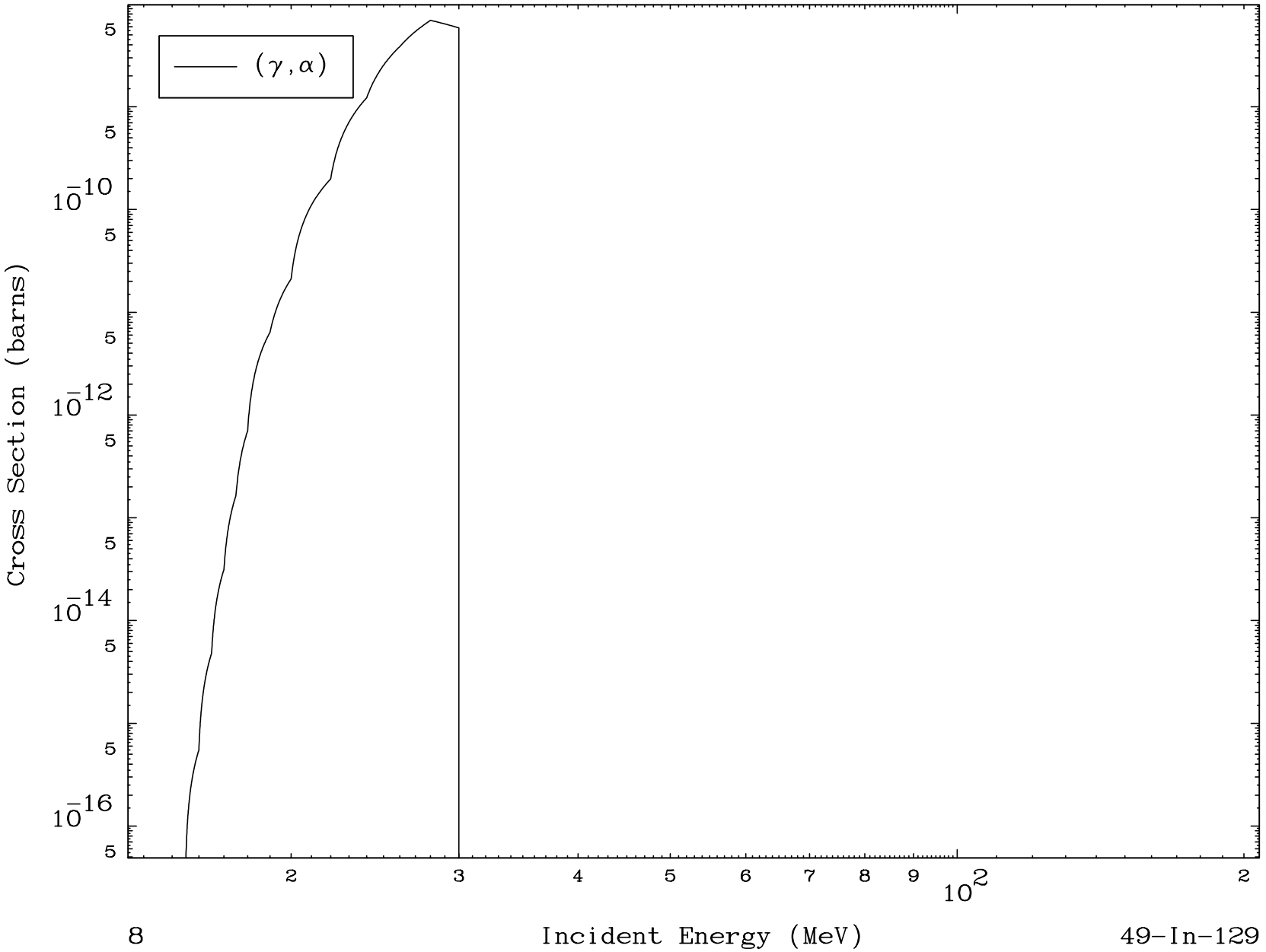

MAT 4974
Photon Charged Particle
0 Kelvin Cross Sections
49-In-129
Cross Section (barns)
Incident Energy (MeV)
(γ,n') α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
3
49-In-129

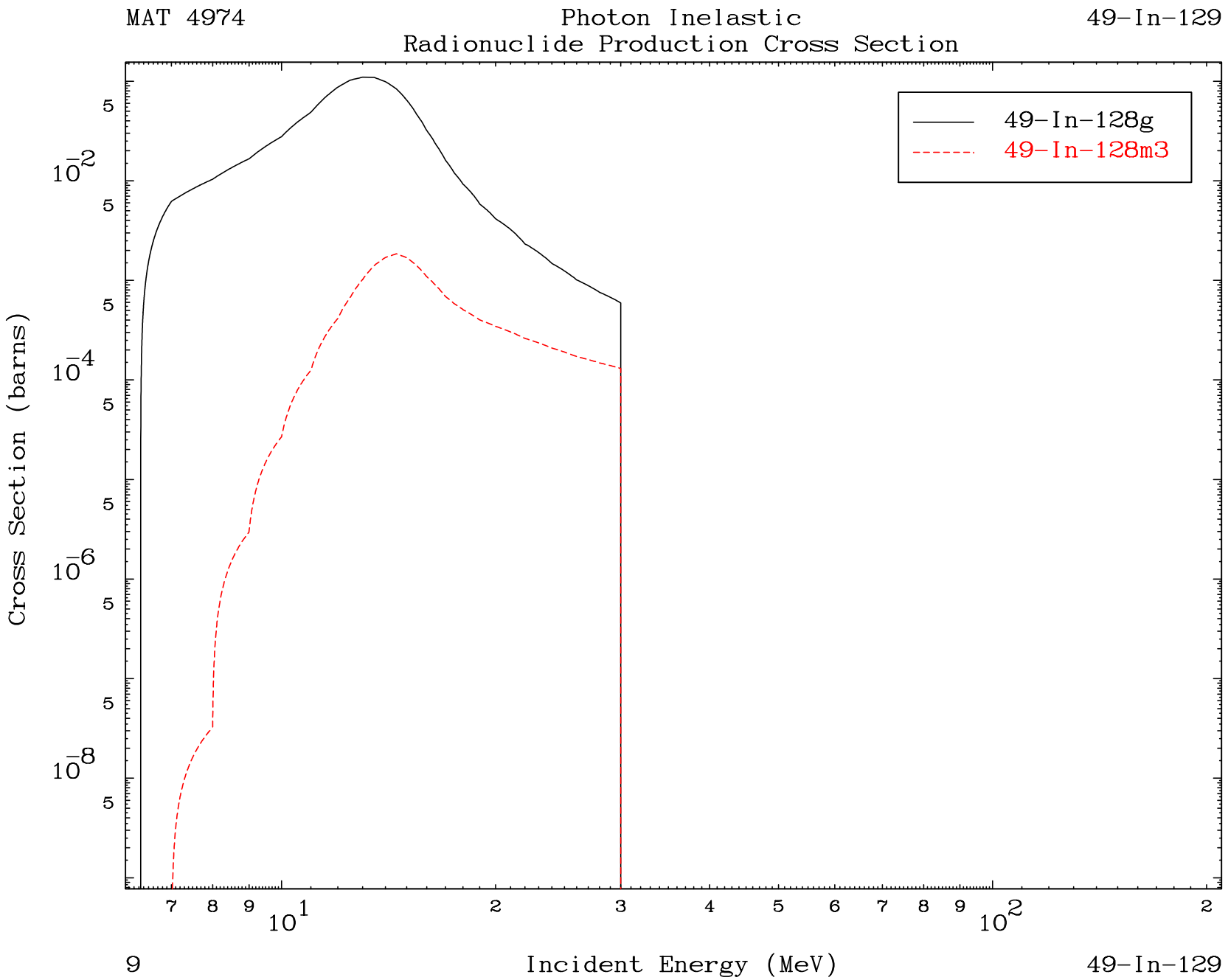

MAT 4974
(γ,n') Level
49-In-129
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
4
49-In-129

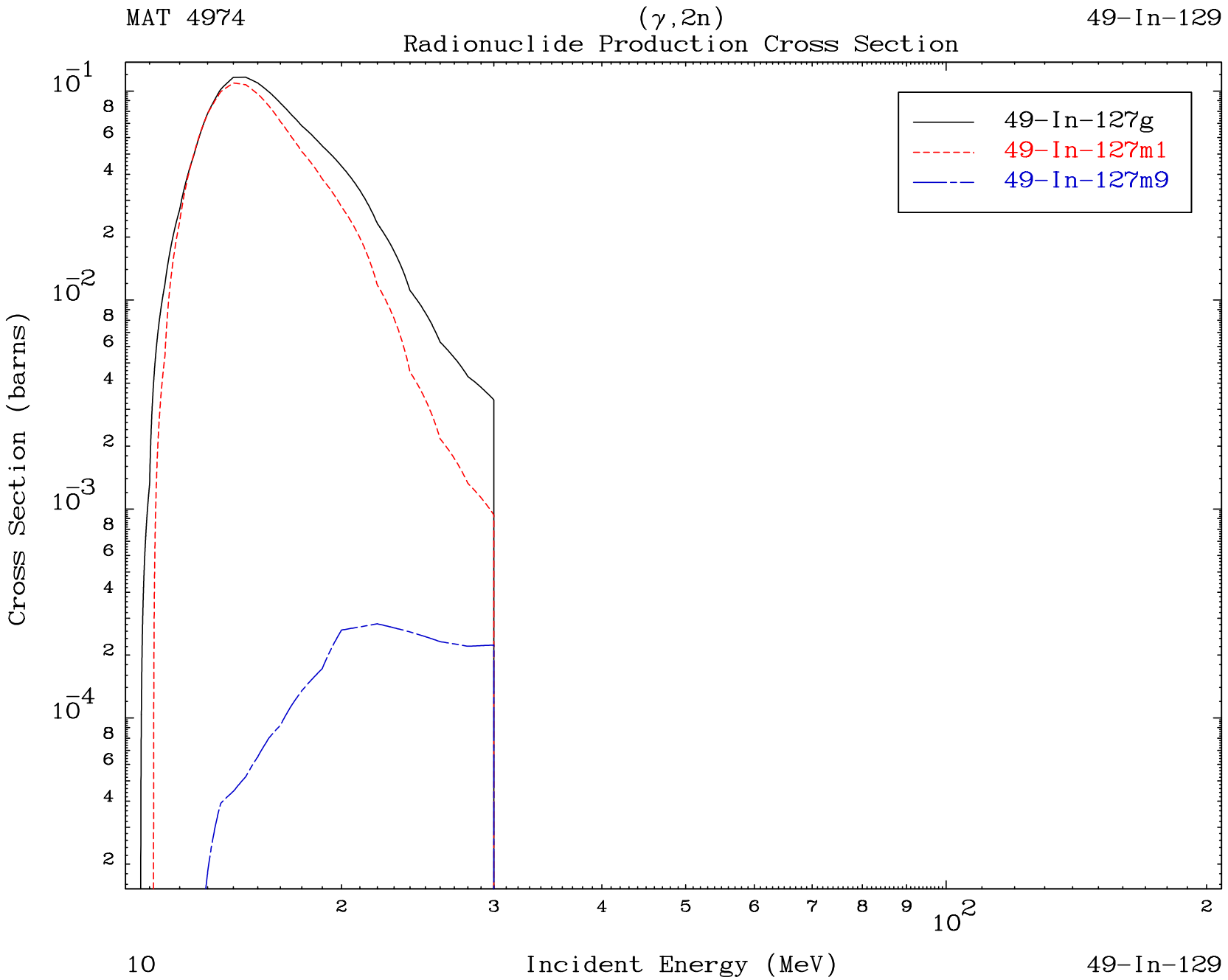

MAT 4974
(γ,p) Levels
49-In-129
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
5
Incident Energy (MeV)
49-In-129

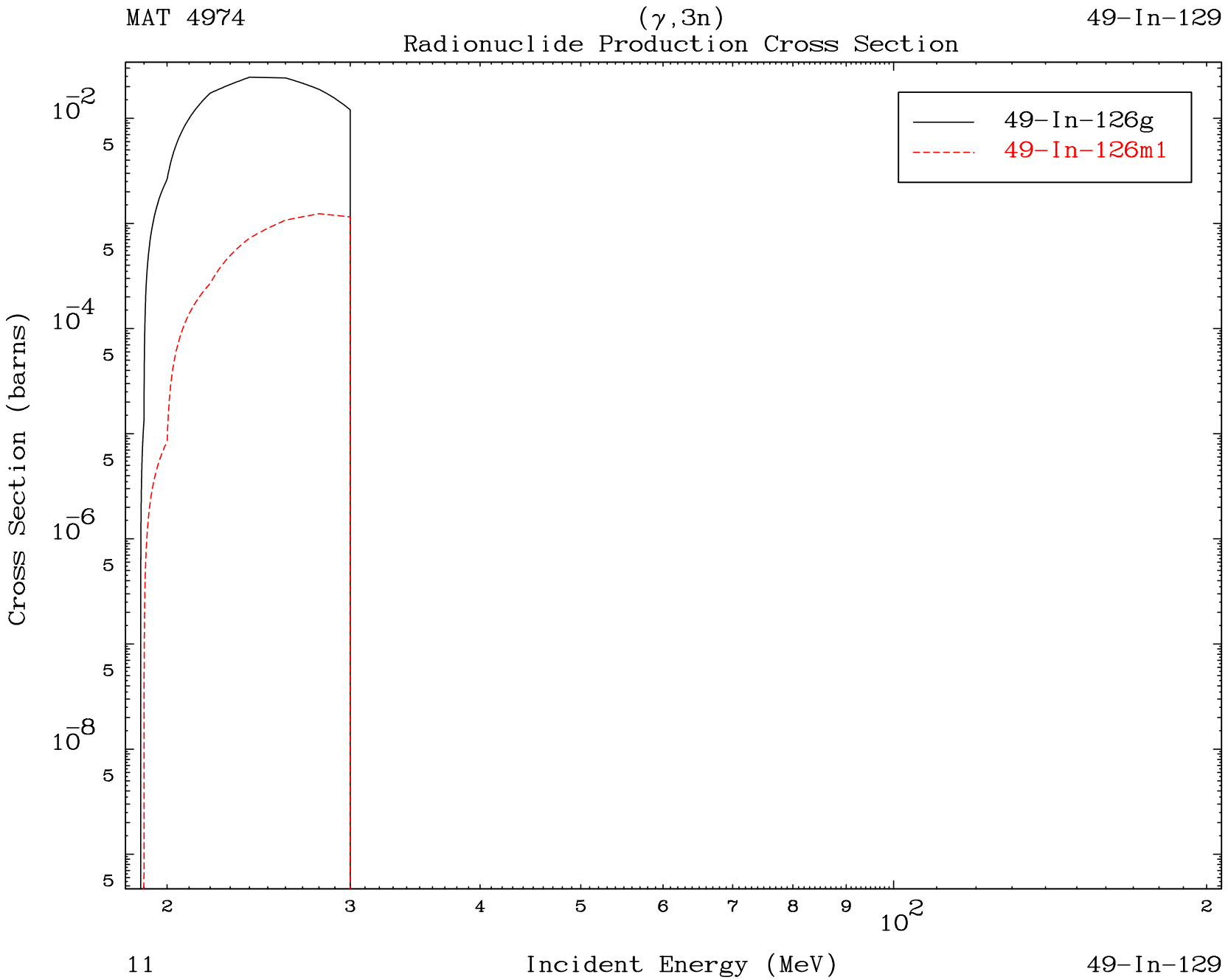

0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

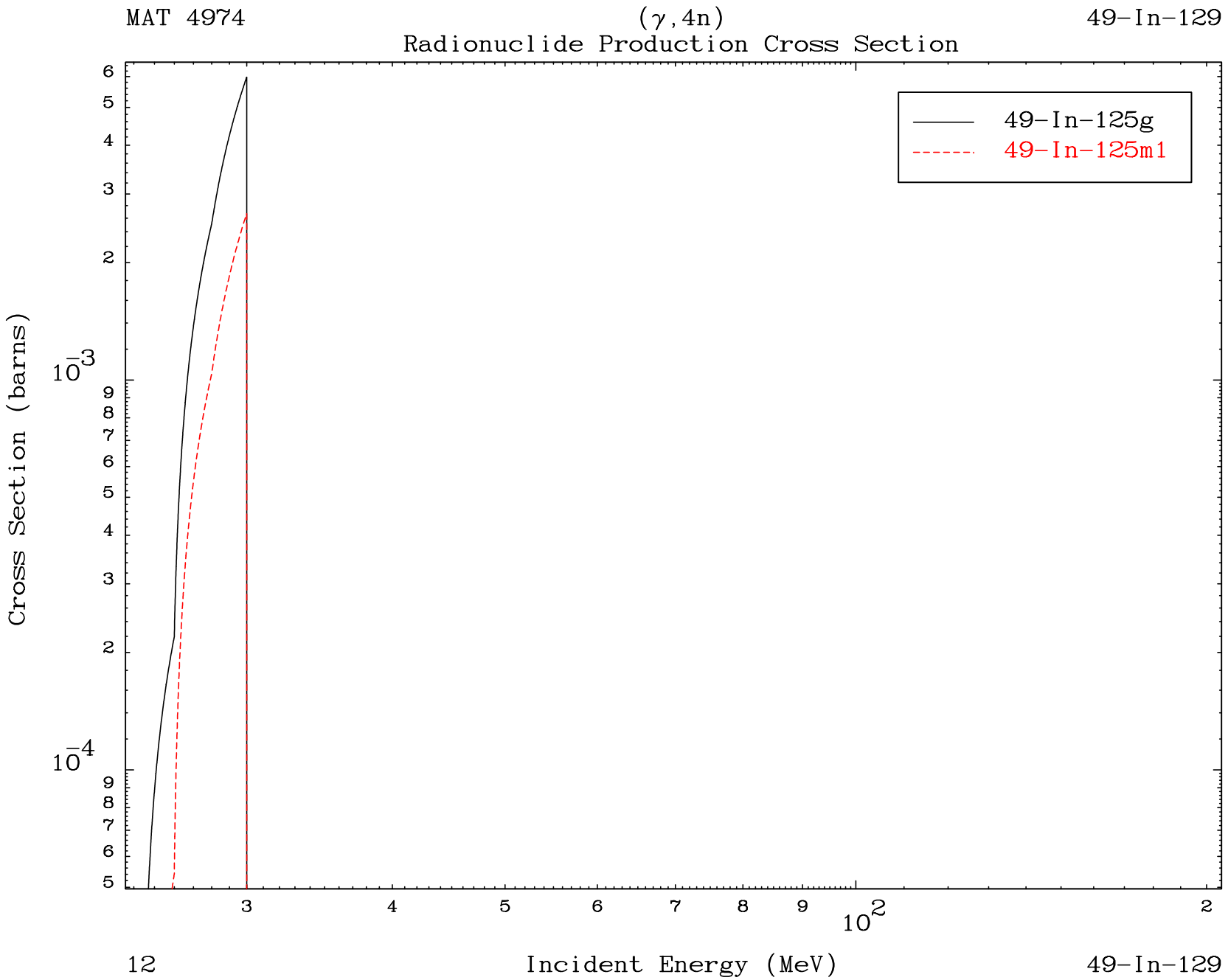

MAT 4974
(γ,t) Levels
49-In-129
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
49-In-129

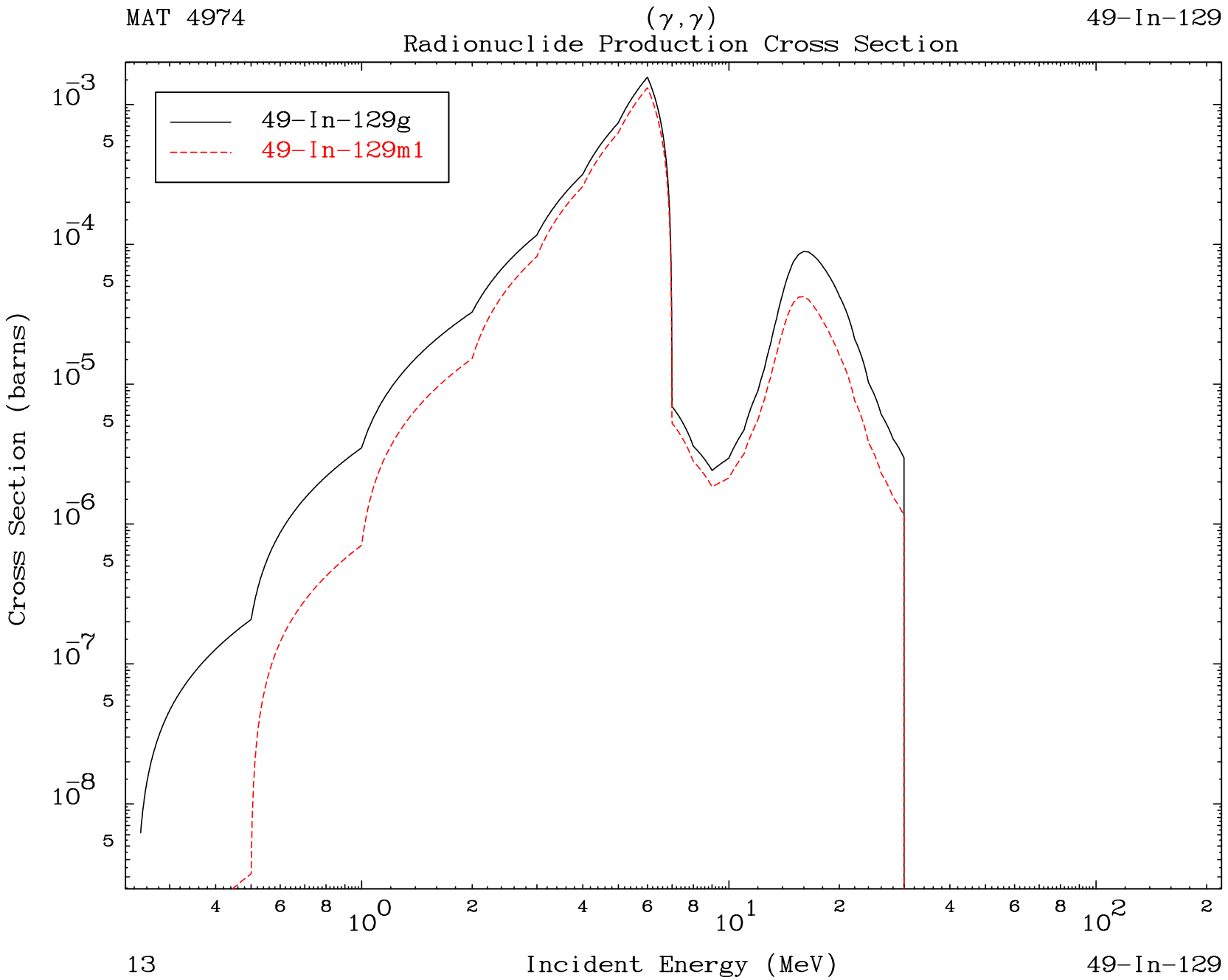

0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
5
5
10^-10
5
5
10^-12
5
5
10^-14
5
5
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


MAT 4974
Photon Inelastic
49-In-129
Radionuclide Production Cross Section
49-In-128g
49-In-128m3
Cross Section (barns)
Incident Energy (MeV)
49-In-129
9


MAT 4974
(γ,2n)
49-In-129
Radionuclide Production Cross Section
49-In-127g
49-In-127m1
49-In-127m9
Cross Section (barns)
Incident Energy (MeV)
49-In-129


MAT 4974
(γ,3n)
49-In-129
Radionuclide Production Cross Section
49-In-126g
49-In-126m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
49-In-129


MAT 4974
(γ,4n)
49-In-129
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
10^-3
10^-4
6
5
4
3
2
9
8
7
6
5
4
3
2
9
8
7
6
5
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
49-In-129


MAT 4974
(γ,γ)
49-In-129
Radionuclide Production Cross Section
49-In-129g
49-In-129m1
Cross Section (barns)
Incident Energy (MeV)
13
49-In-129