Program EVALPLOT
(Version 2017-1)
by
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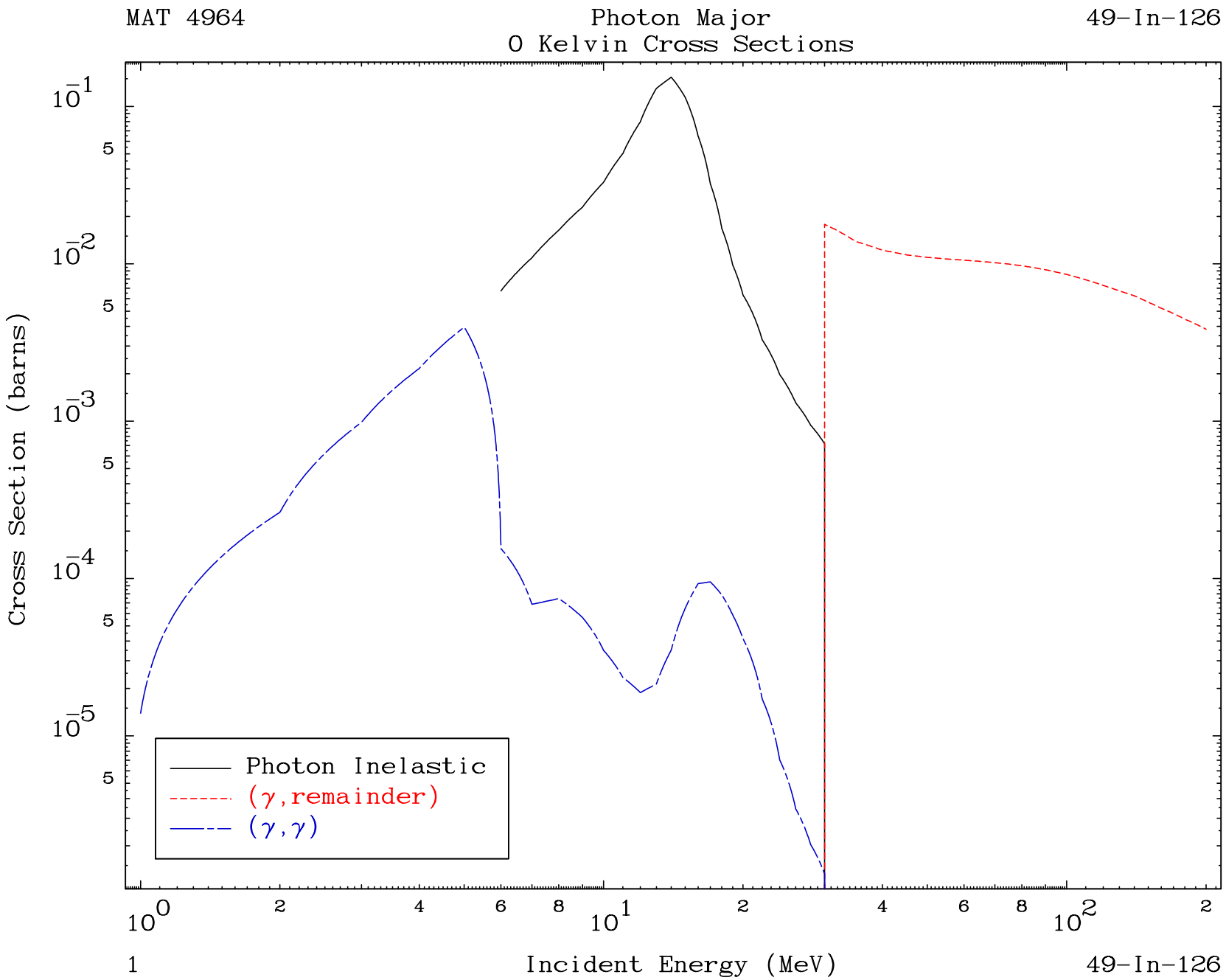
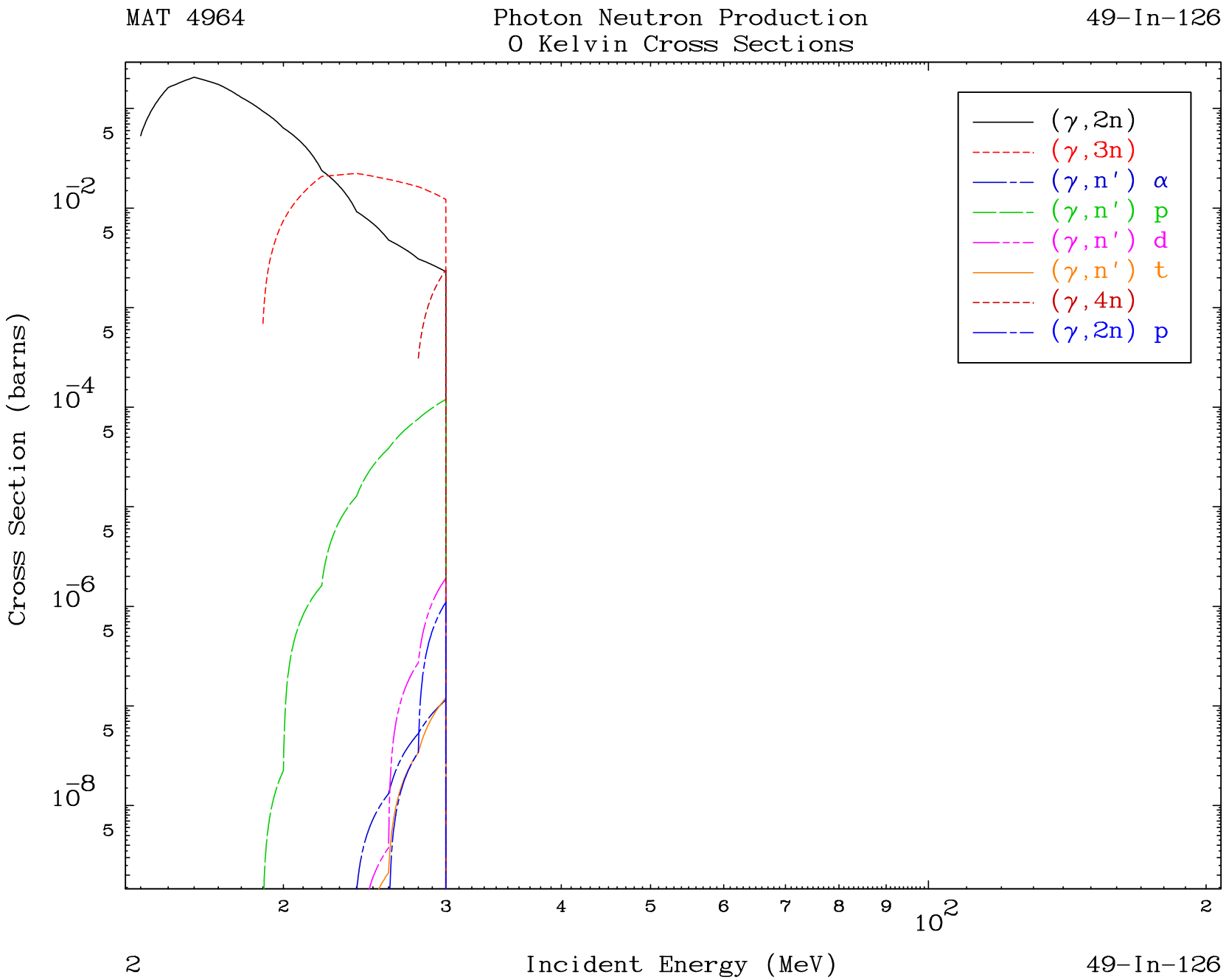
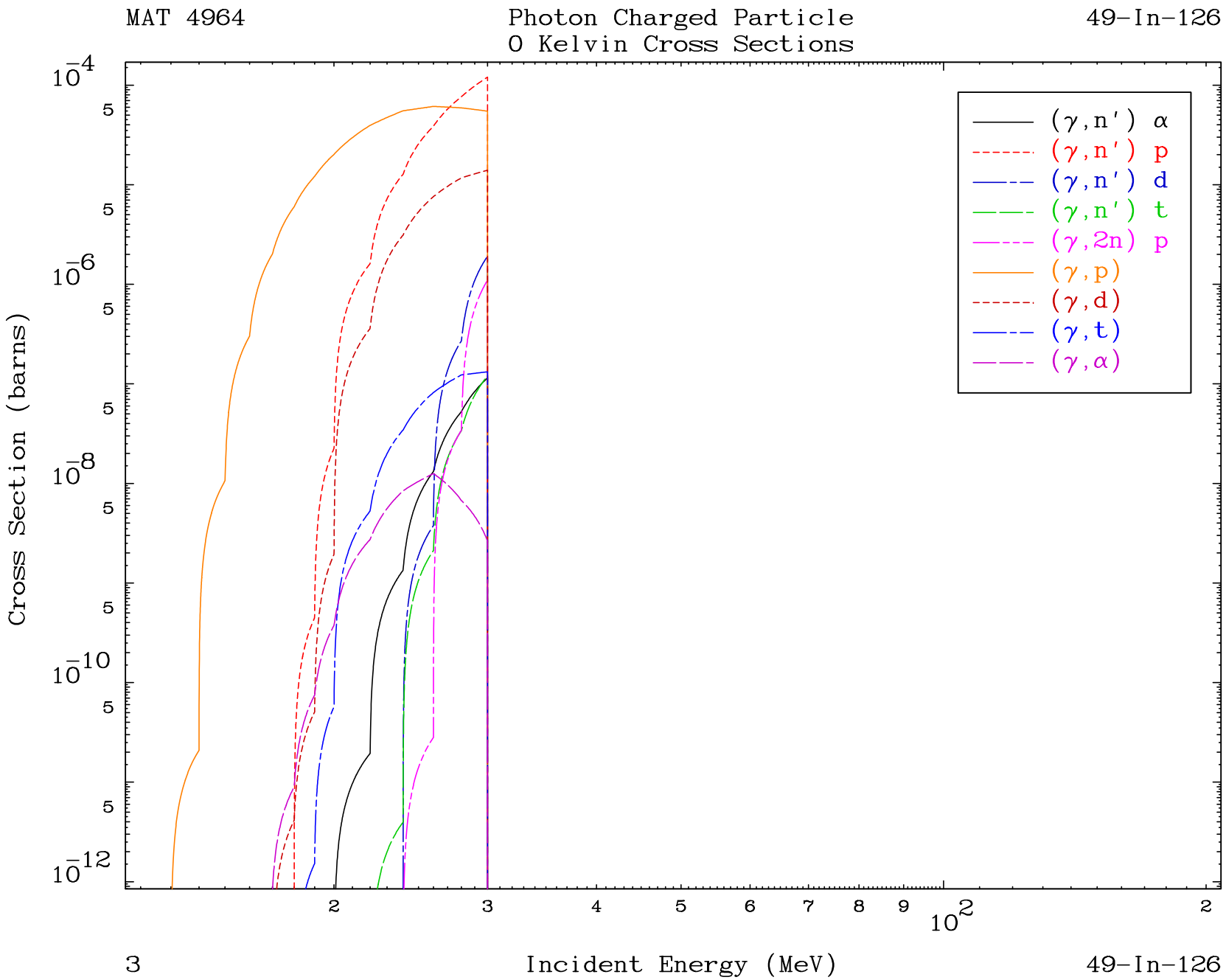
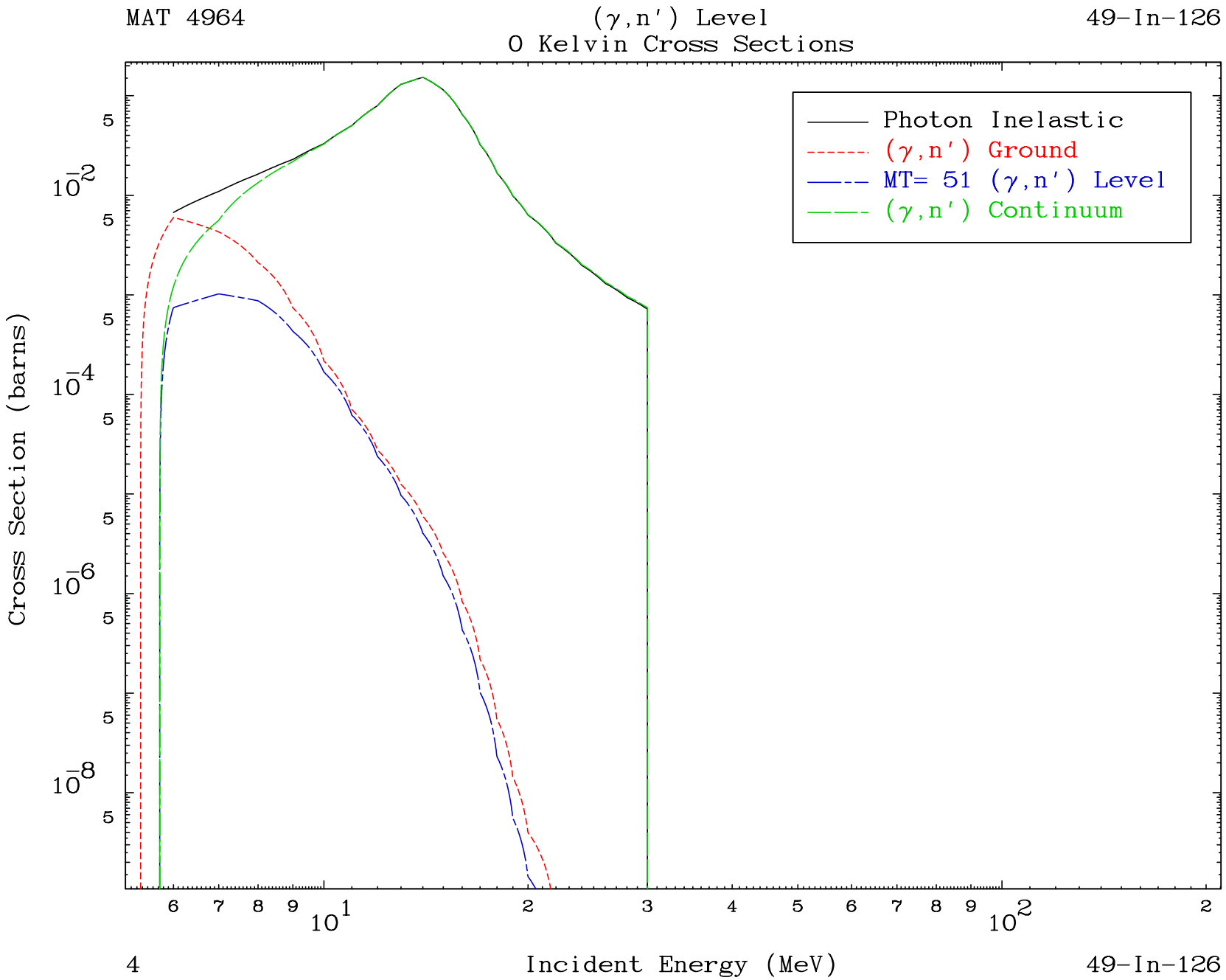
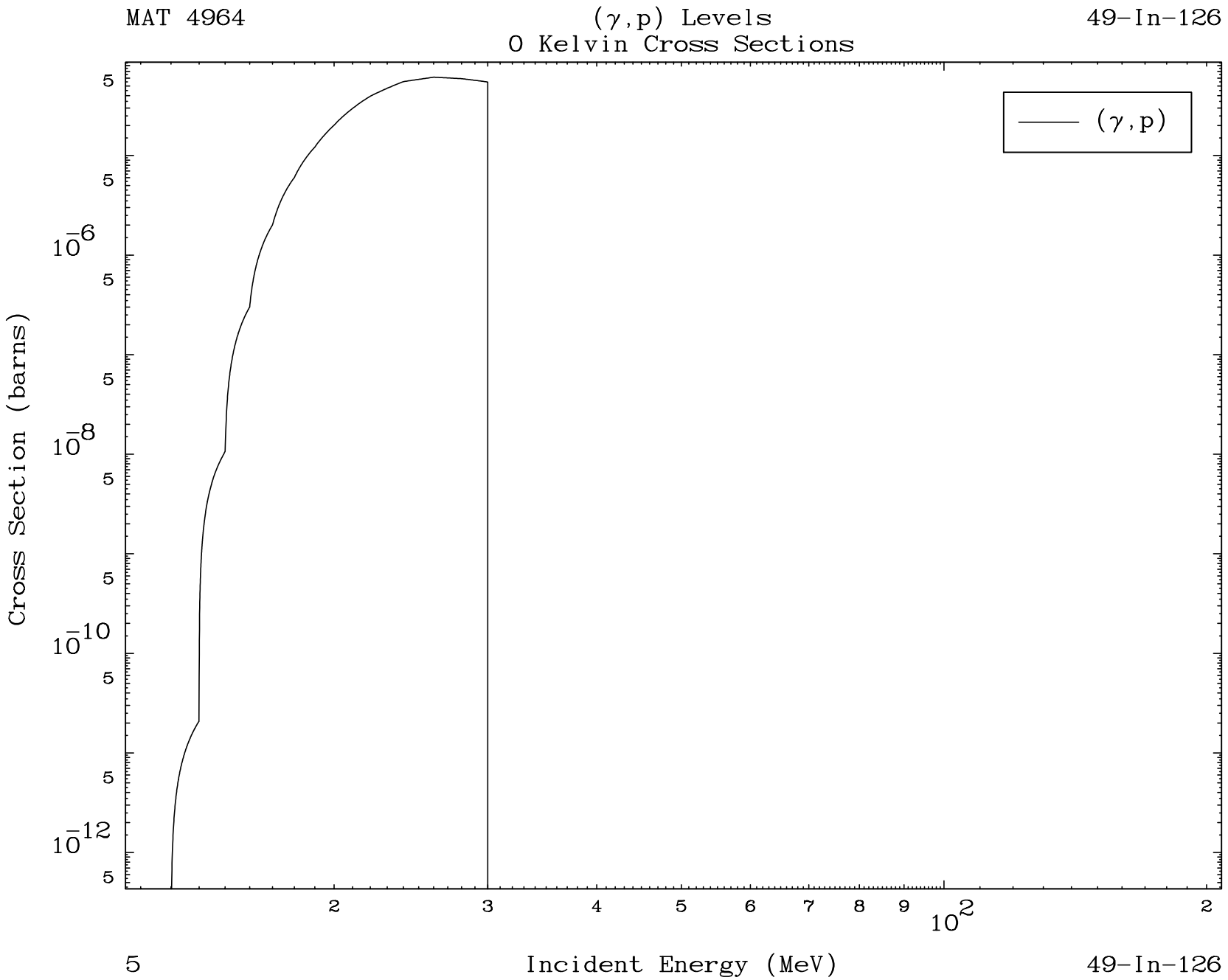
Press Mouse Button to Start

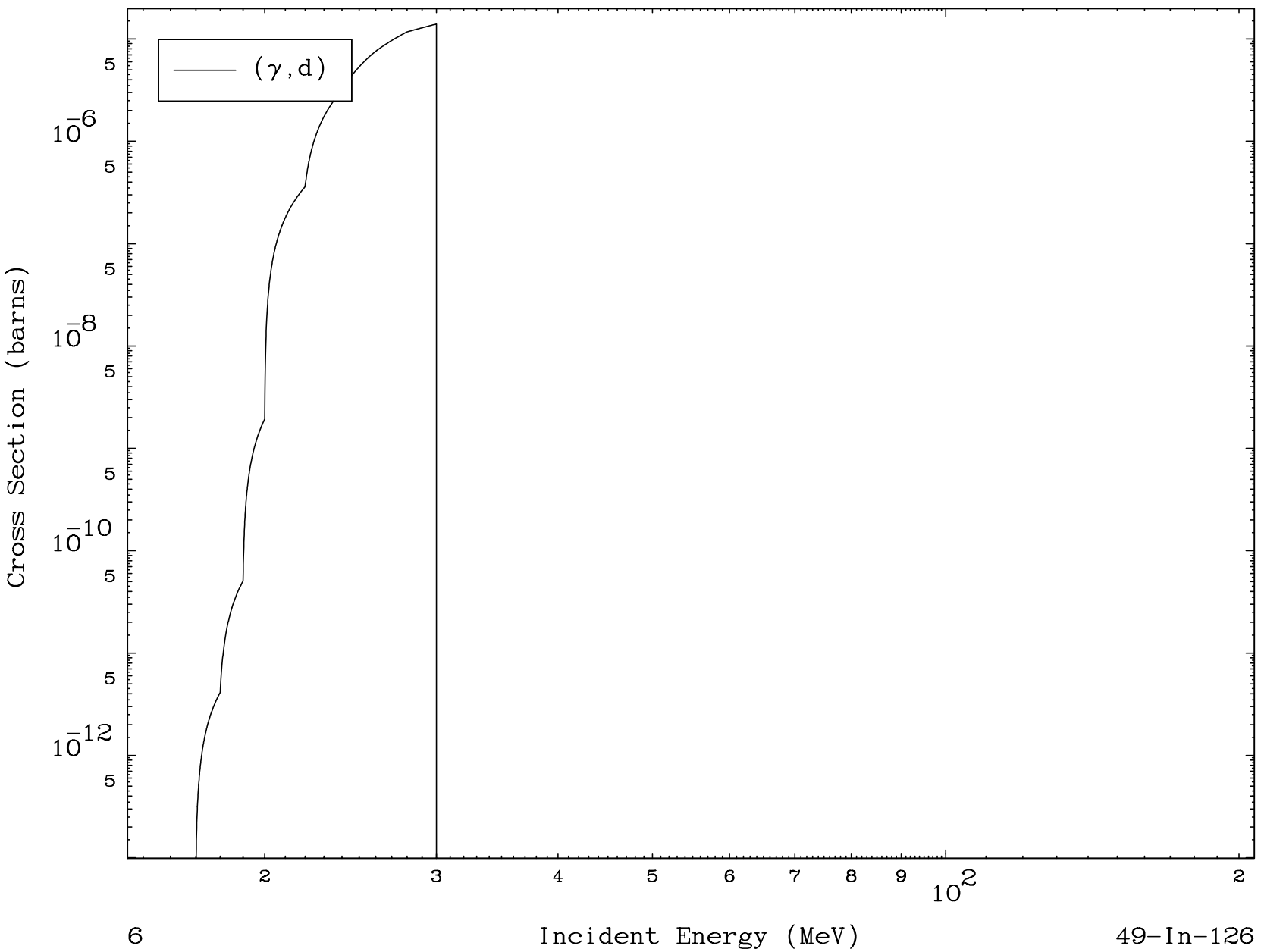

MAT 4964
Photon Major
49-In-126
0 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Photon Inelastic
(γ,remainder)
(γ,γ)
49-In-126

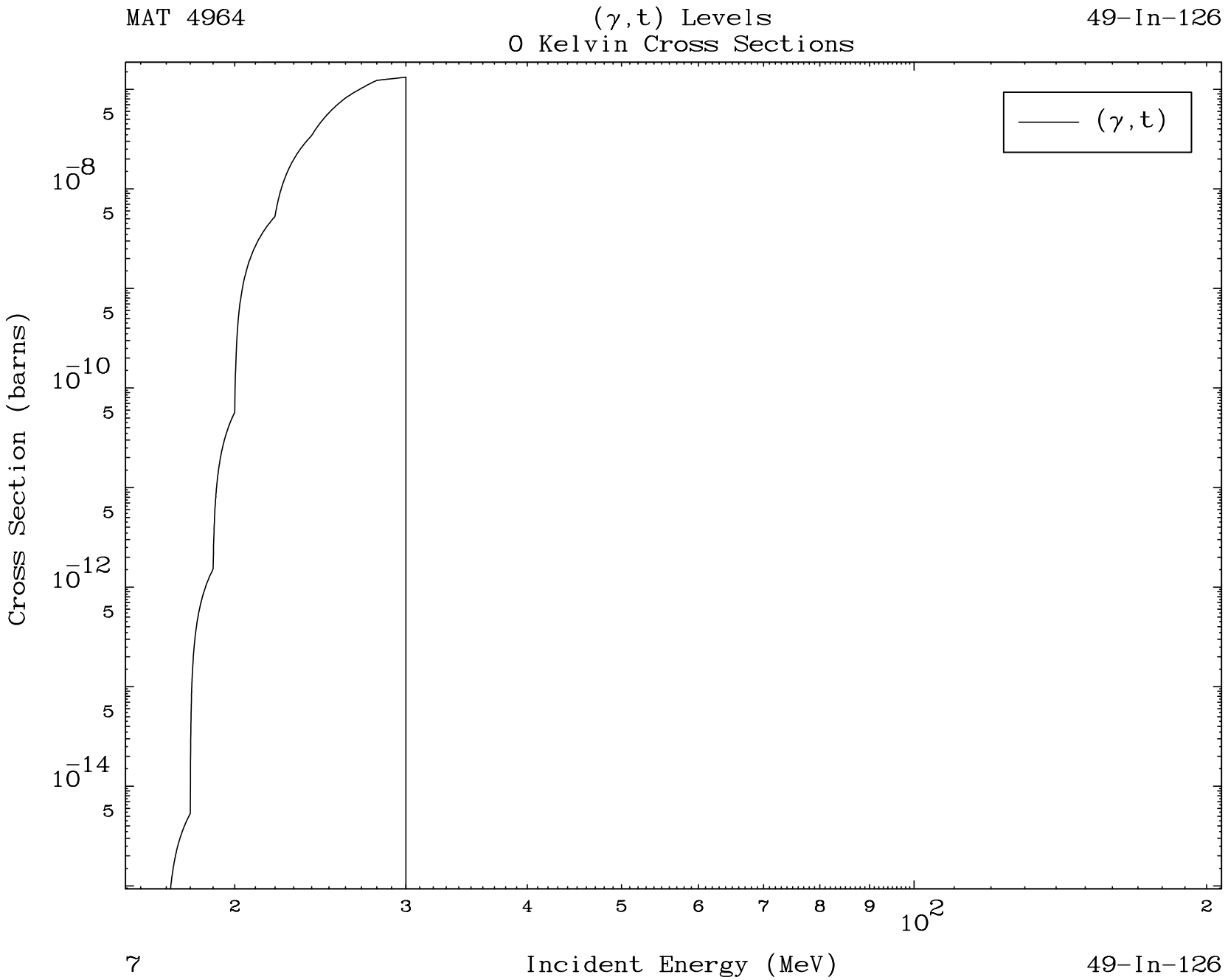

MAT 4964
Photon Neutron Production
0 Kelvin Cross Sections
49-In-126
(γ,2n)
(γ,3n)
(γ,n') α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,4n)
(γ,2n) p
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
49-In-126

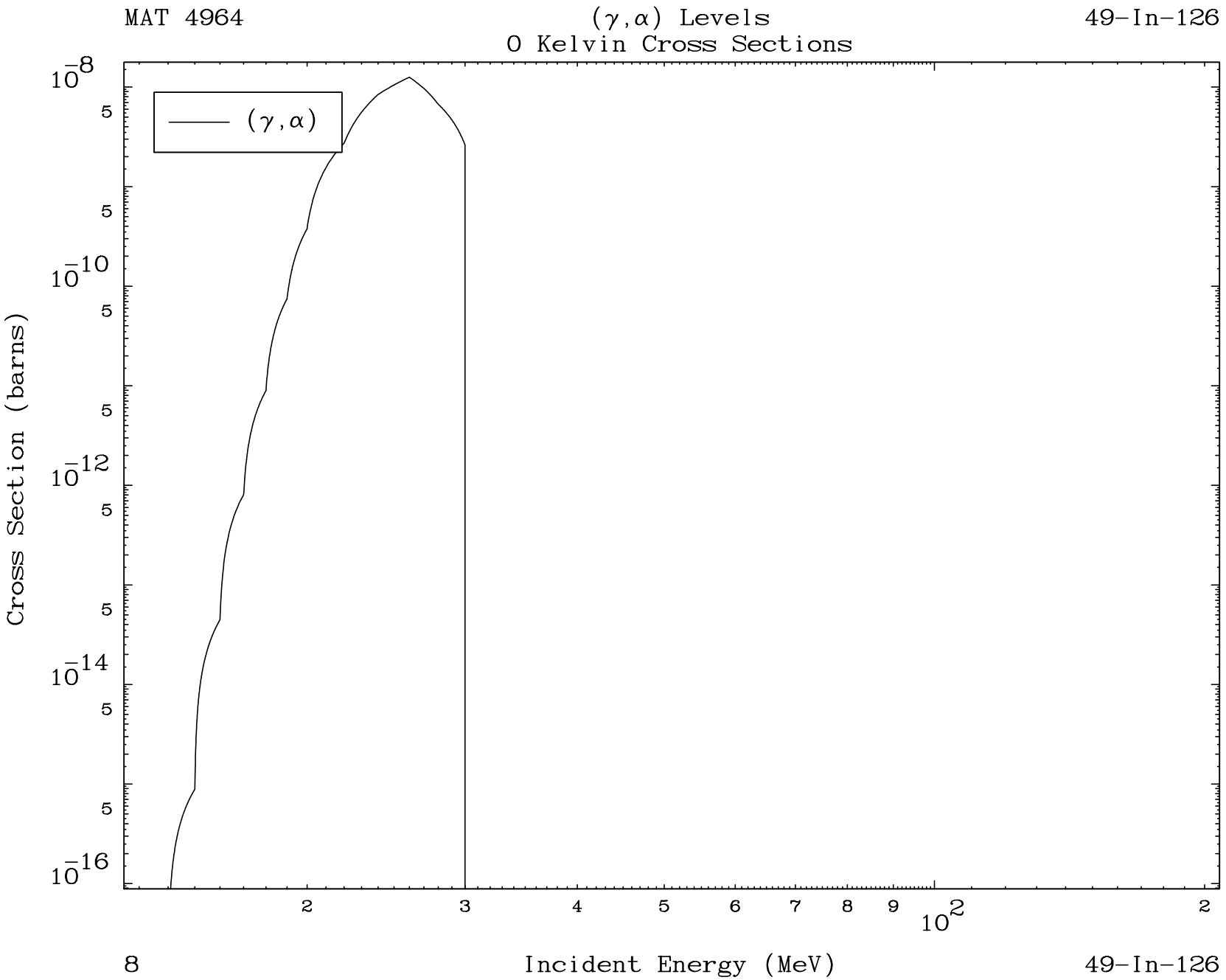

MAT 4964
Photon Charged Particle
0 Kelvin Cross Sections
49-In-126
Cross Section (barns)
10-4
10-6
10-8
10-10
10-12
(γ,n') α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
3
49-In-126

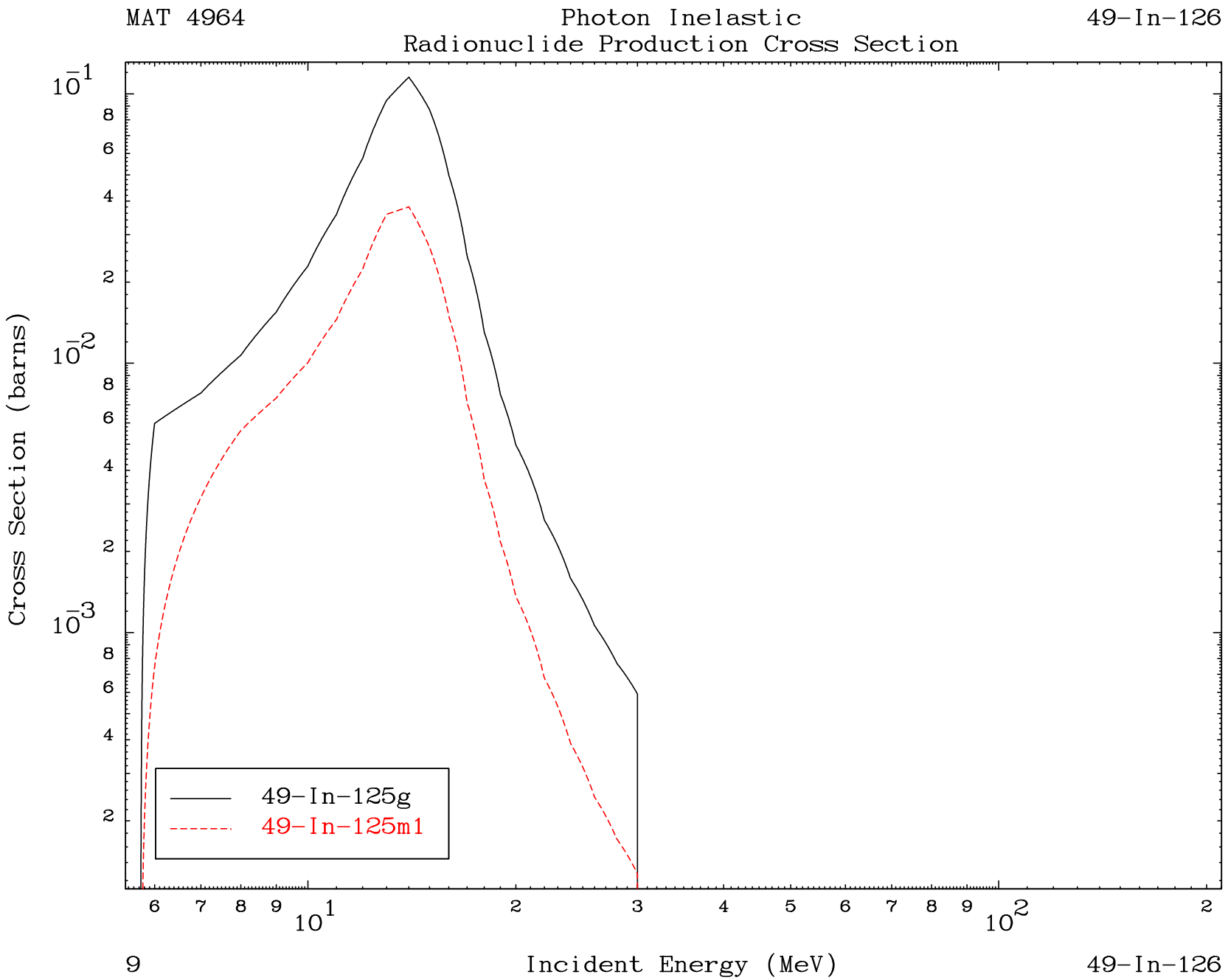

MAT 4964
(γ,n') Level
49-In-126
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
4
49-In-126

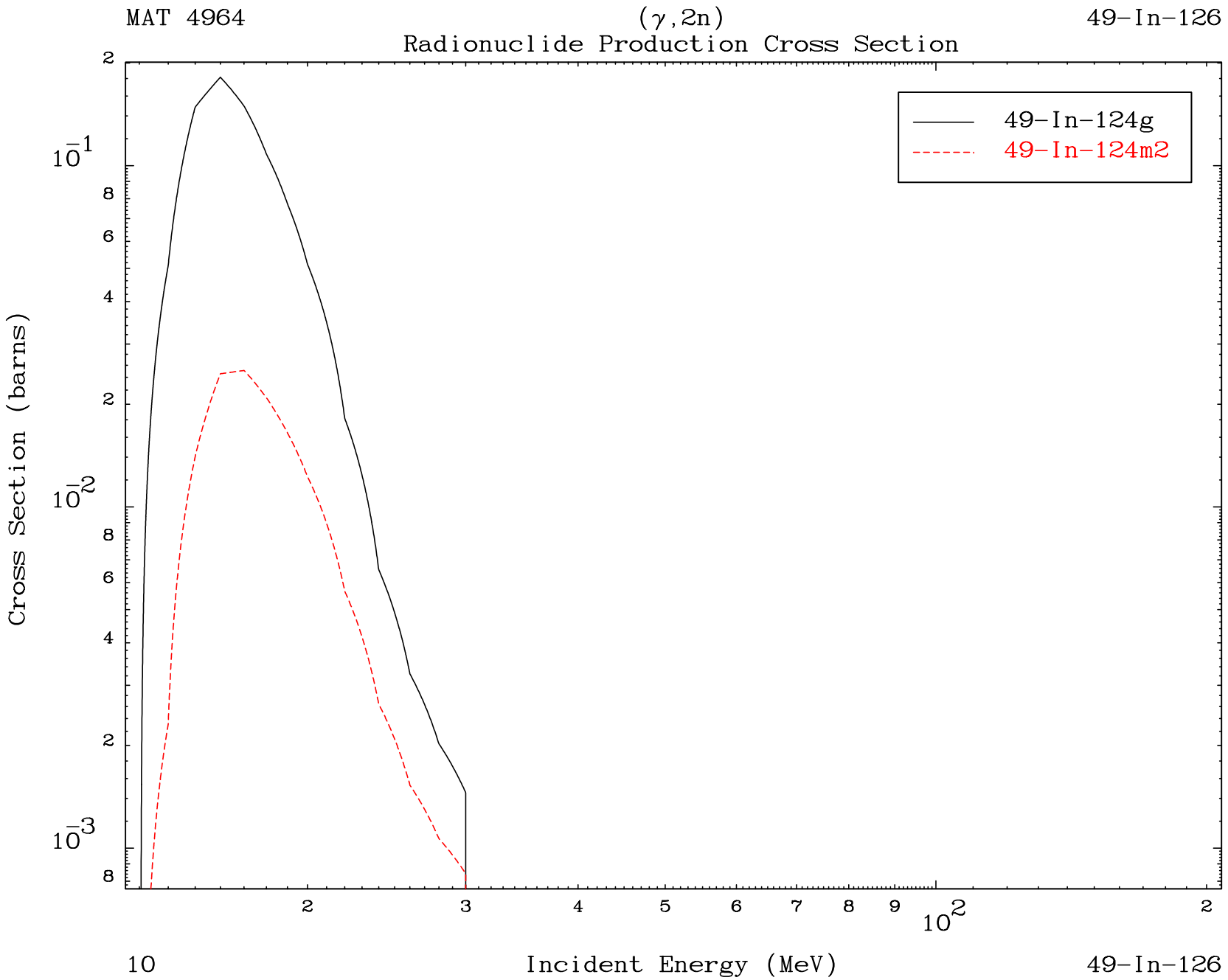

MAT 4964
(γ,p) Levels
49-In-126
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
5
Incident Energy (MeV)
49-In-126

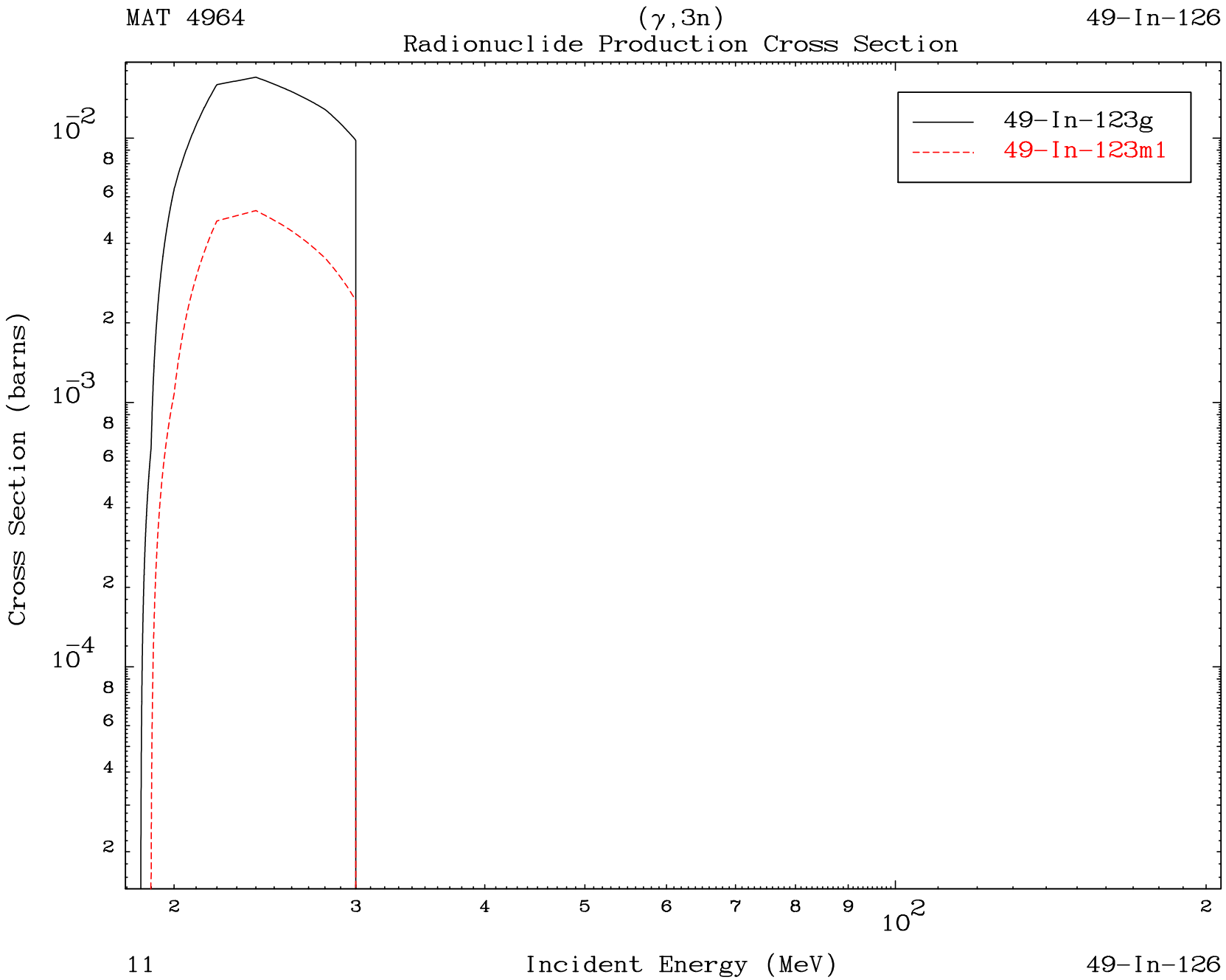

0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

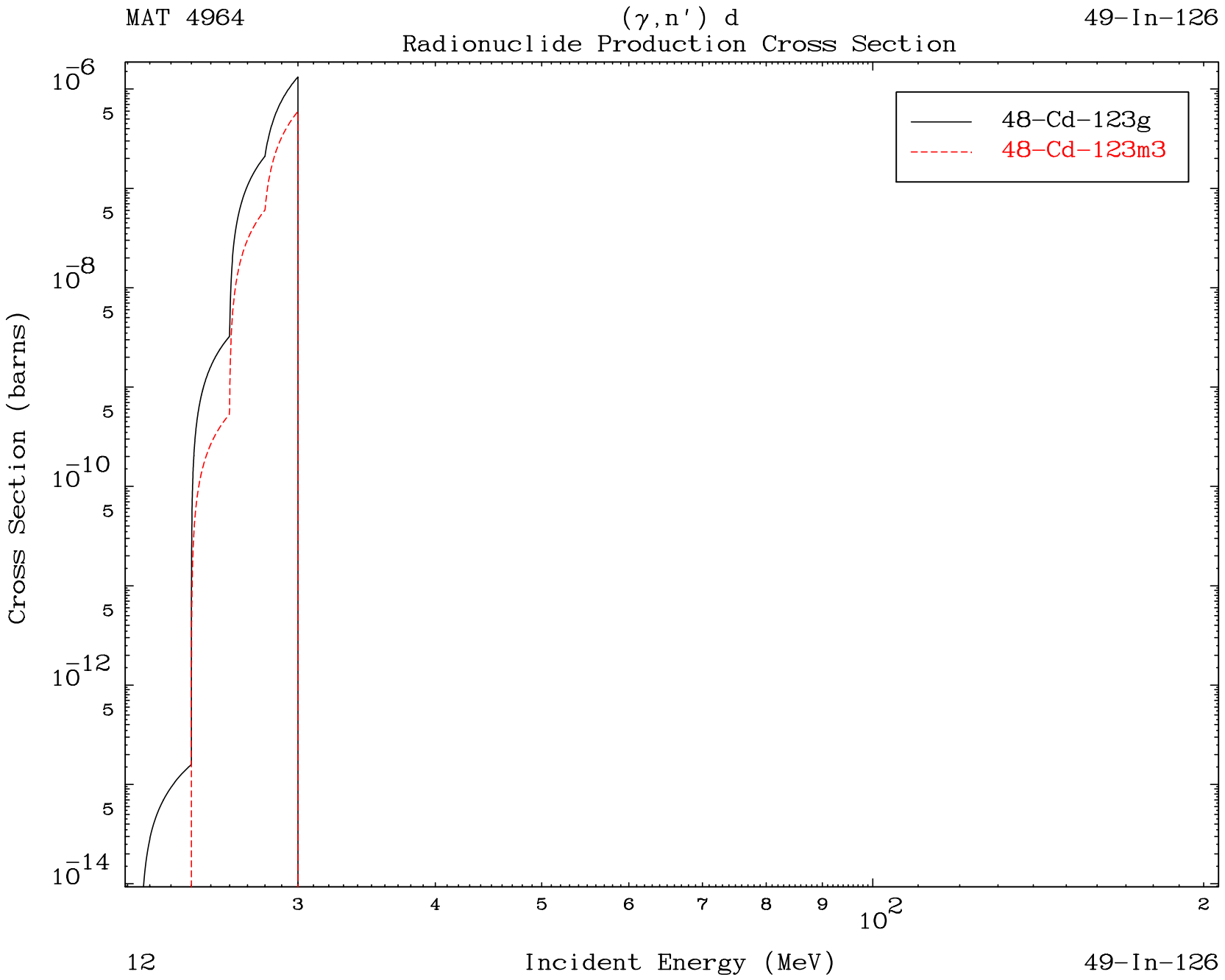

MAT 4964
(γ,t) Levels
49-In-126
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
49-In-126

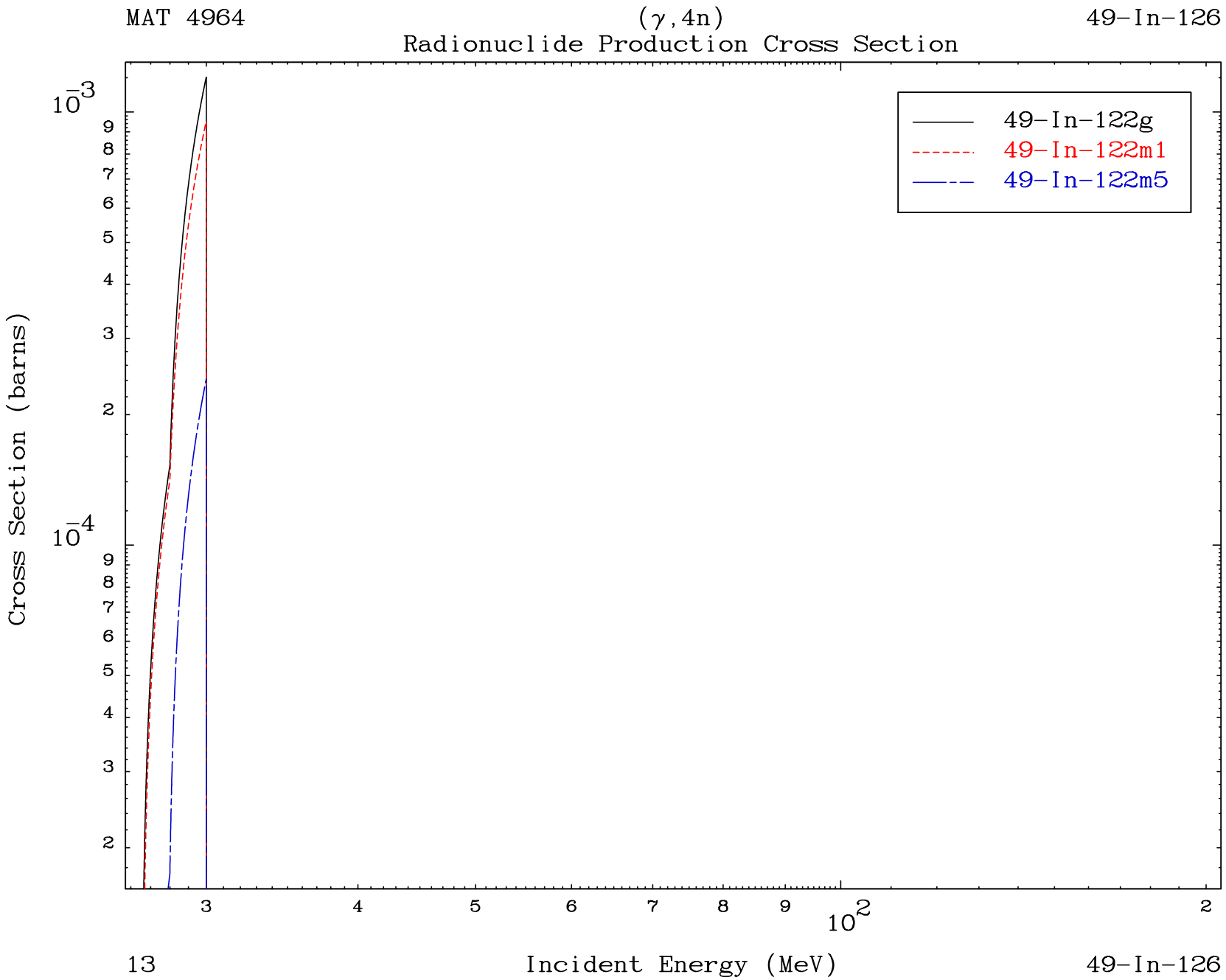

MAT 4964
(γ,α) Levels
49-In-126
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-8
5
10^-10
5
10^-12
5
10^-14
5
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
49-In-126

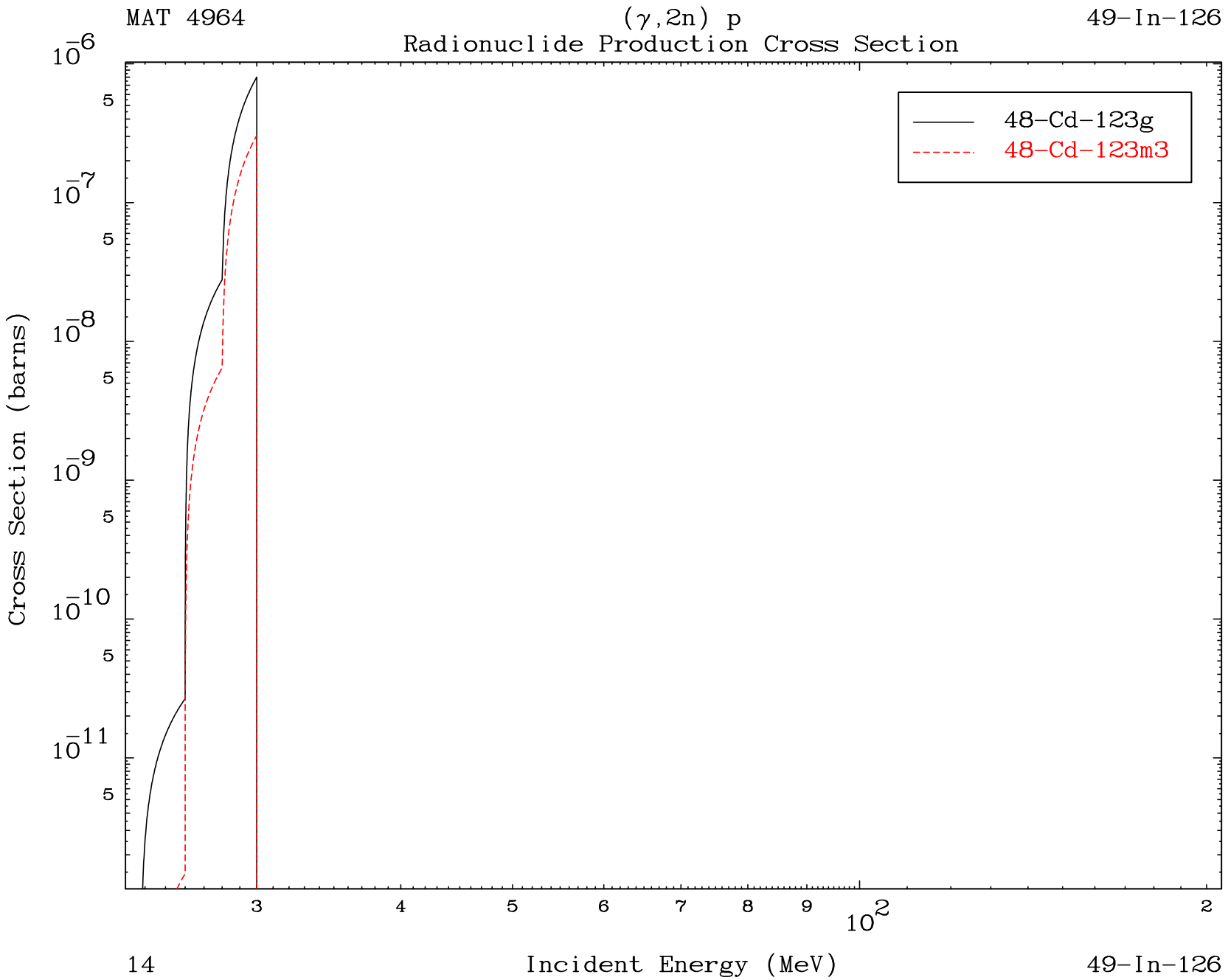

MAT 4964
Photon Inelastic
49-In-126
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
49-In-125g
49-In-125m1
9
49-In-126

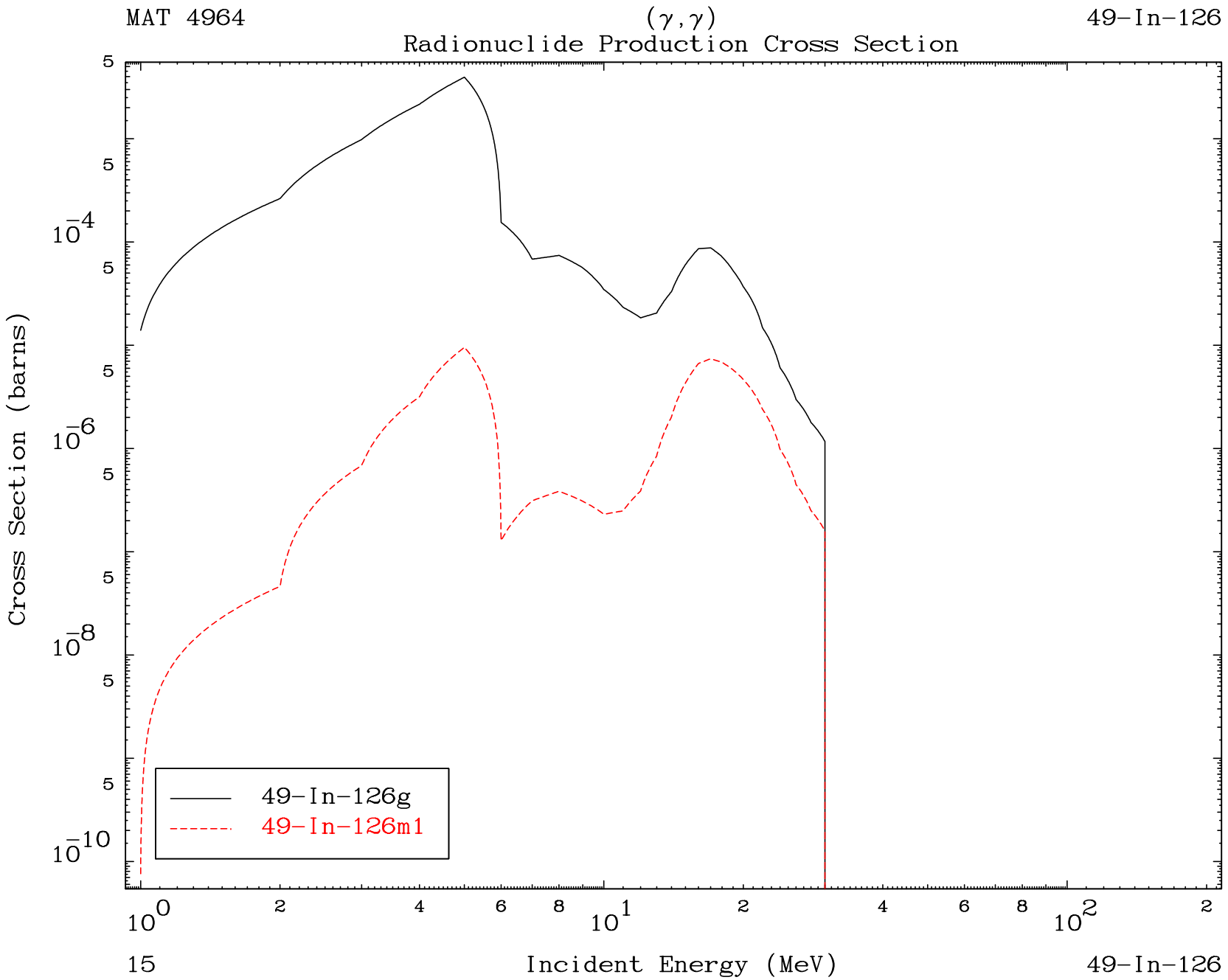

MAT 4964
(γ,2n)
49-In-126
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
Incident Energy (MeV)
49-In-126

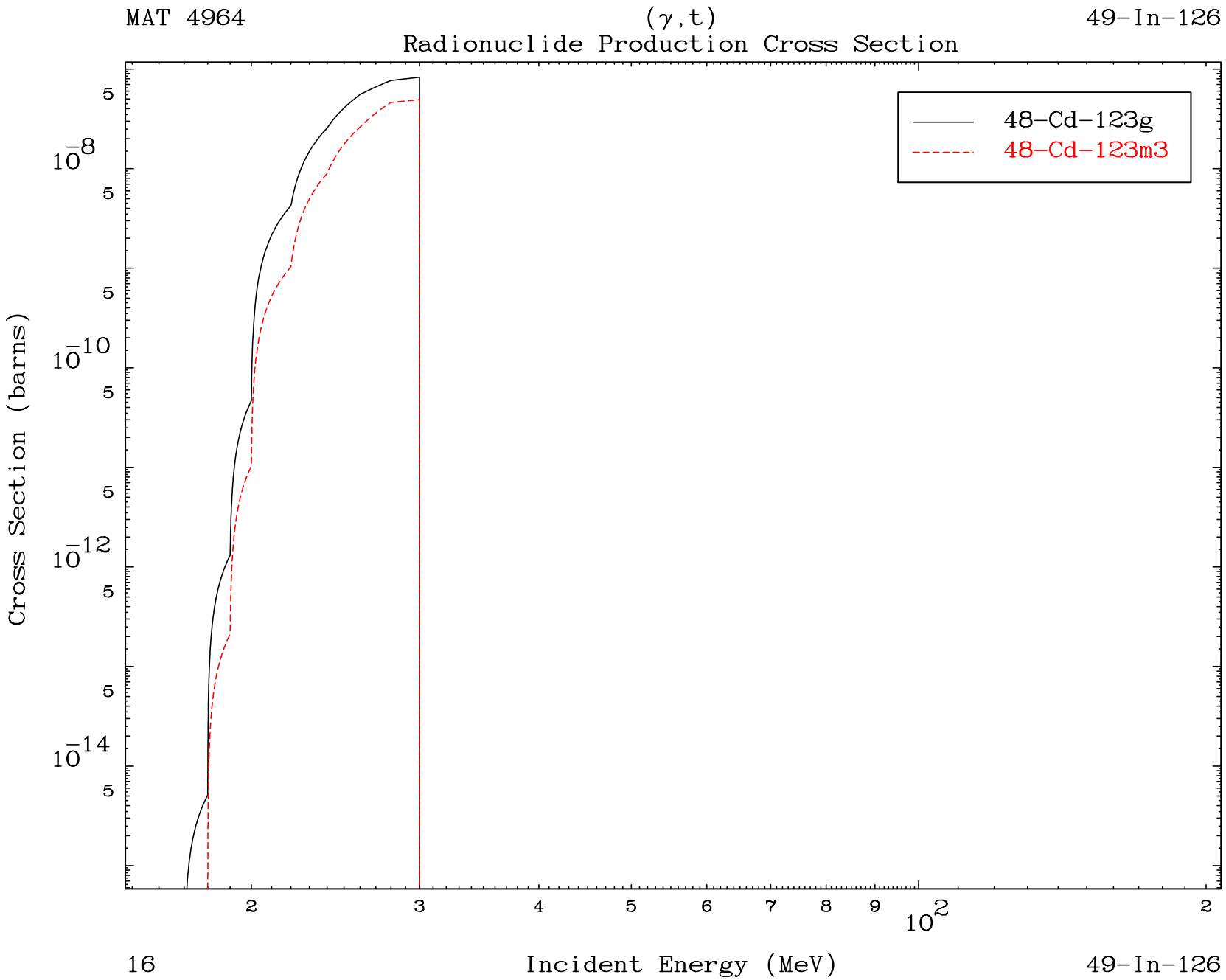

MAT 4964
(γ,3n)
49-In-126
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
10-2
10-3
10-4
8
6
4
2
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
49-In-126

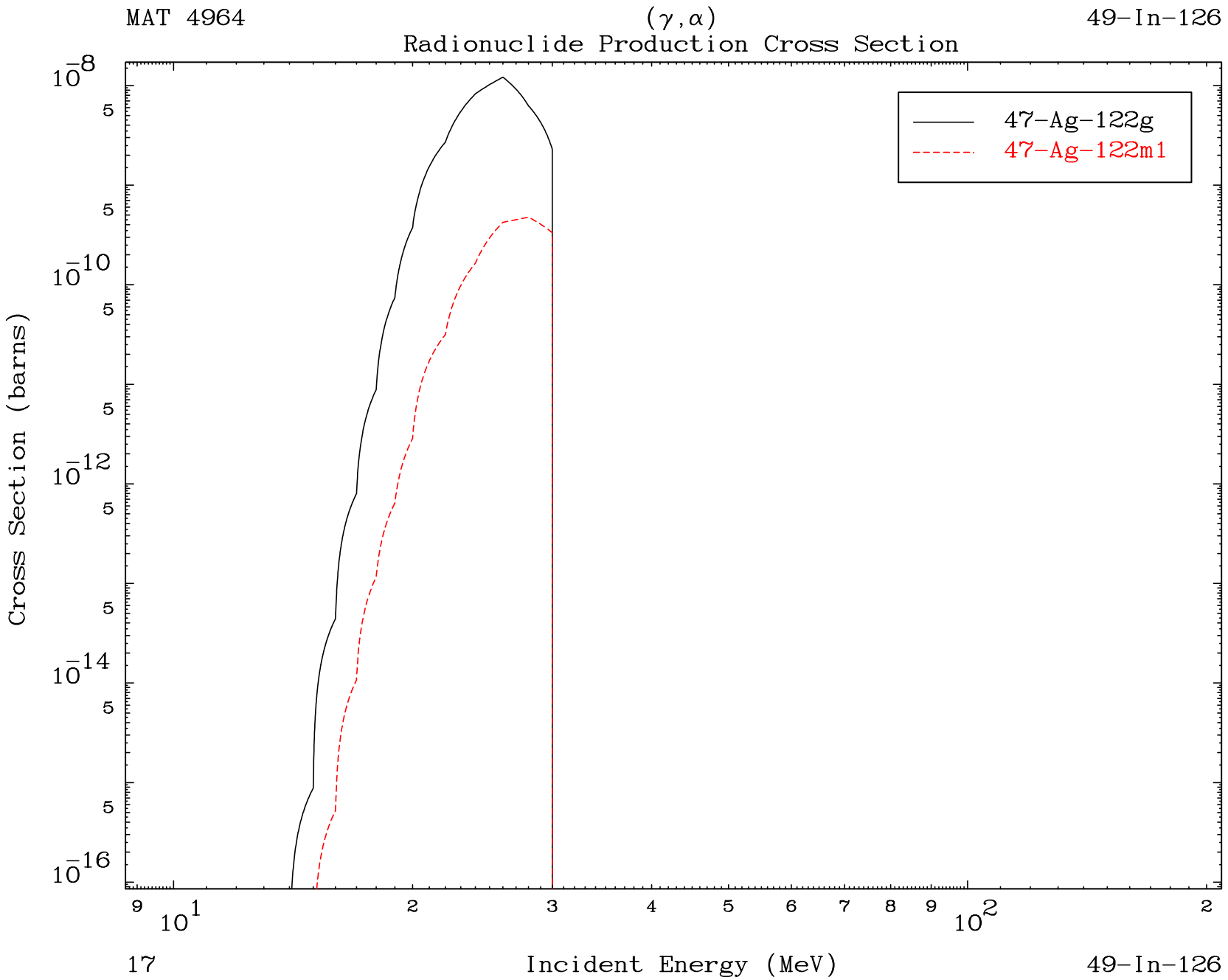

MAT 4964
(γ,n') d
49-In-126
Radionuclide Production Cross Section
48-Cd-123g
48-Cd-123m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^-14
5
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
49-In-126


MAT 4964
(γ,4n)
49-In-126
Radionuclide Production Cross Section
49-In-122g
49-In-122m1
49-In-122m5
Cross Section (barns)
10^-3
10^-4
9
8
7
6
5
4
3
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
49-In-126


MAT 4964
(γ,2n) p
49-In-126
Radionuclide Production Cross Section
48-Cd-123g
48-Cd-123m3
Cross Section (barns)
Incident Energy (MeV)
14
49-In-126


MAT 4964
(γ,γ)
49-In-126
Radionuclide Production Cross Section
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
49-In-126g
49-In-126m1
15
49-In-126


MAT 4964
(γ,t)
49-In-126
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
16
Incident Energy (MeV)
49-In-126


MAT 4964
(γ,α)
49-In-126
Radionuclide Production Cross Section
47-Ag-122g
47-Ag-122m1
Cross Section (barns)
Incident Energy (MeV)
17
49-In-126