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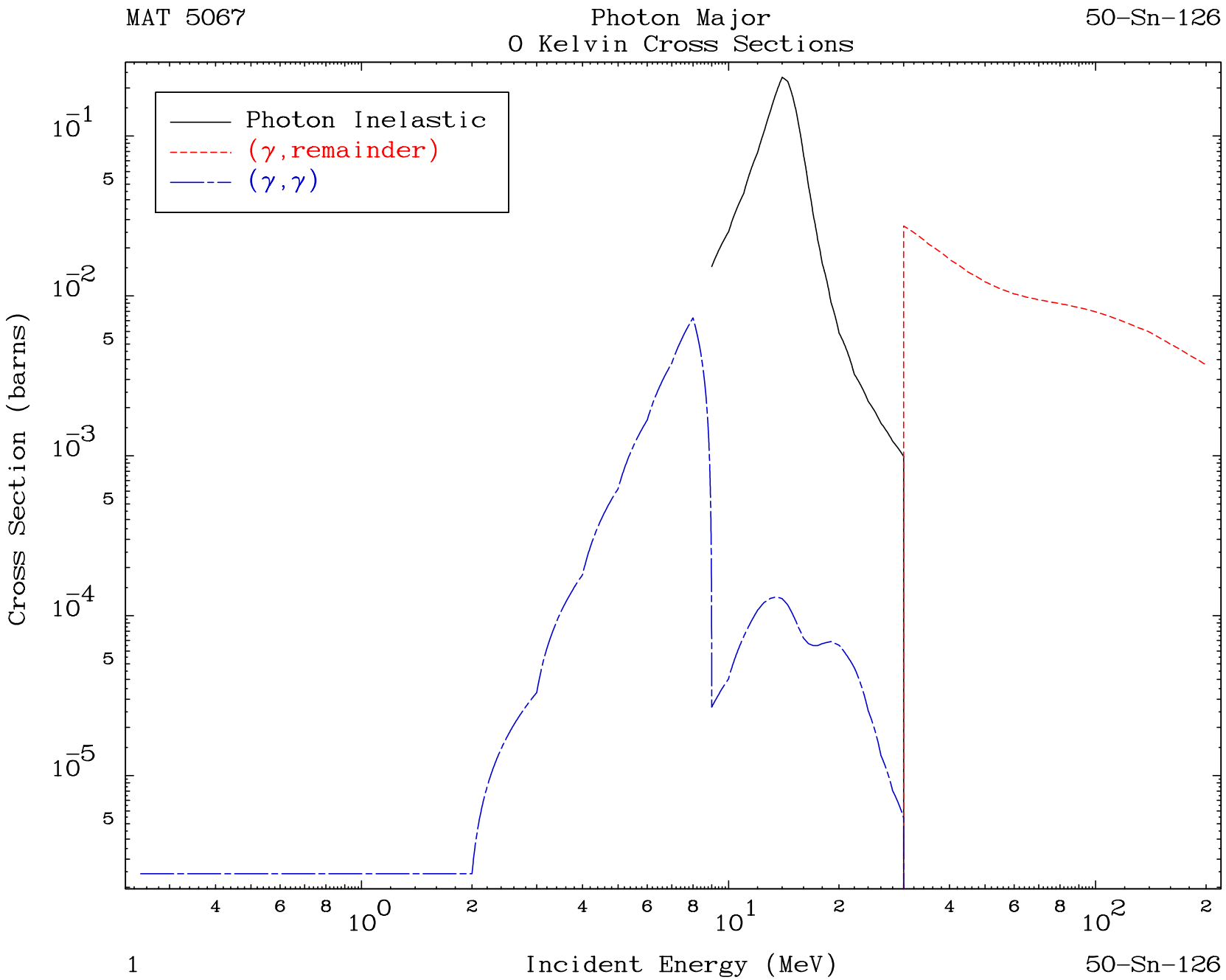
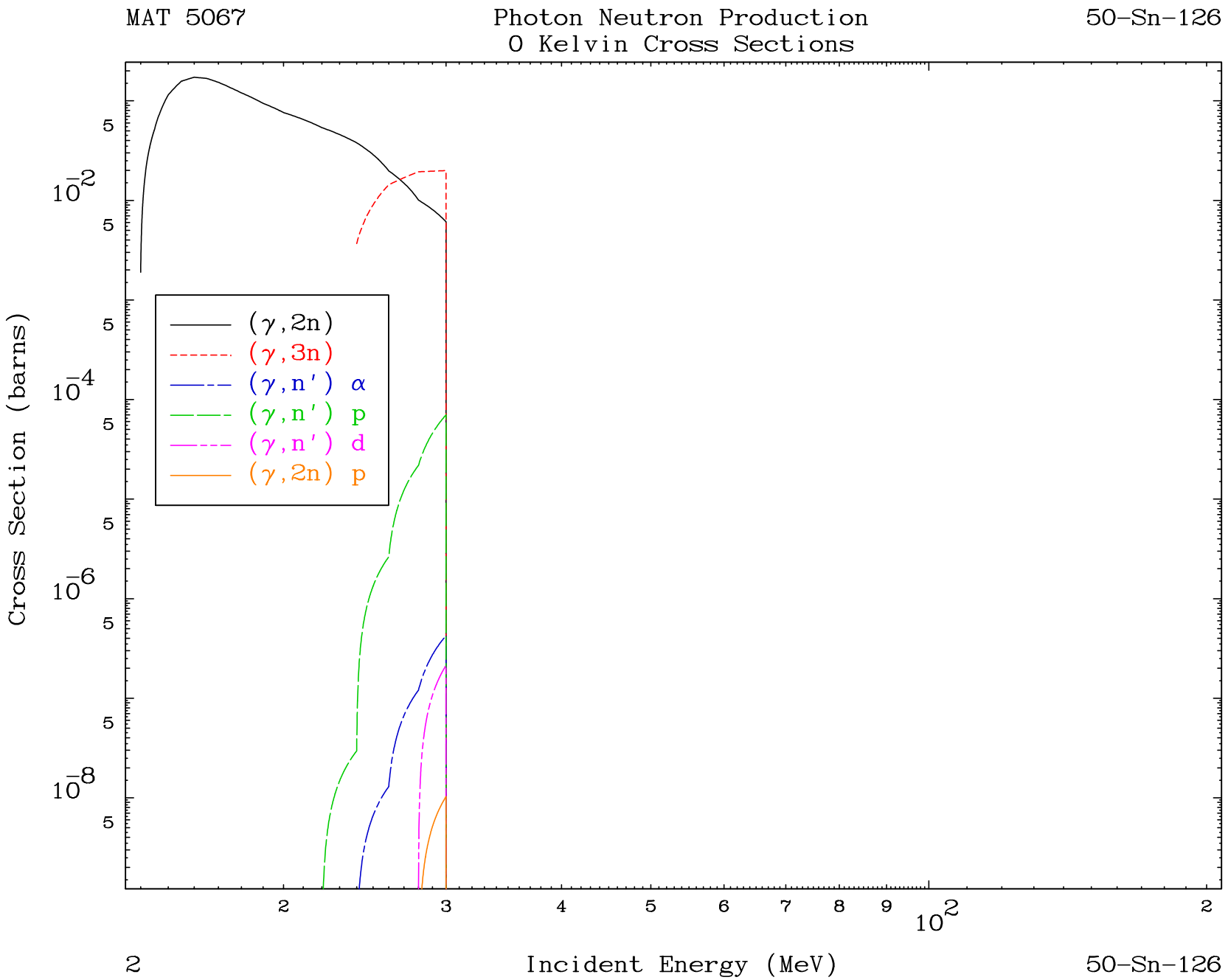
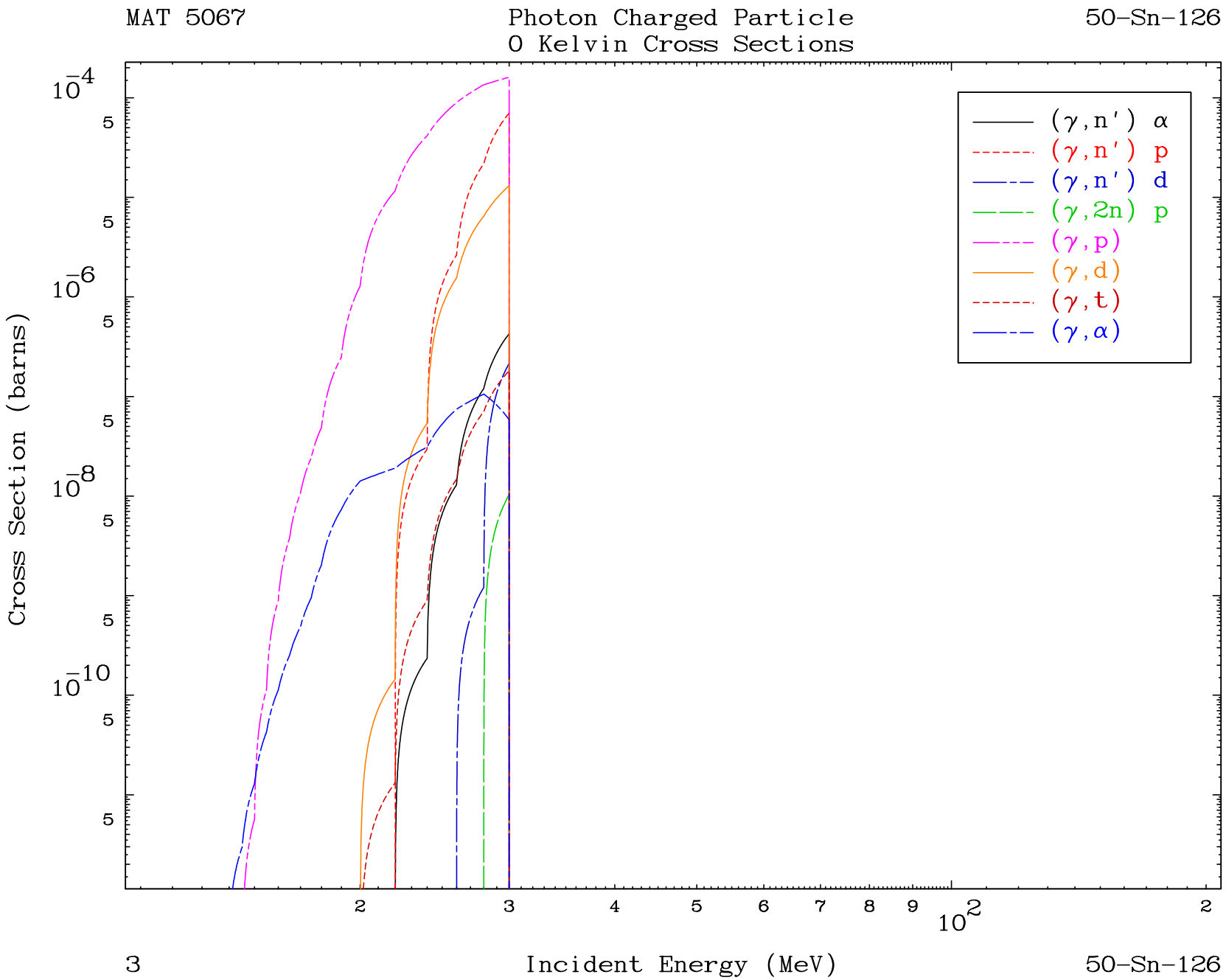
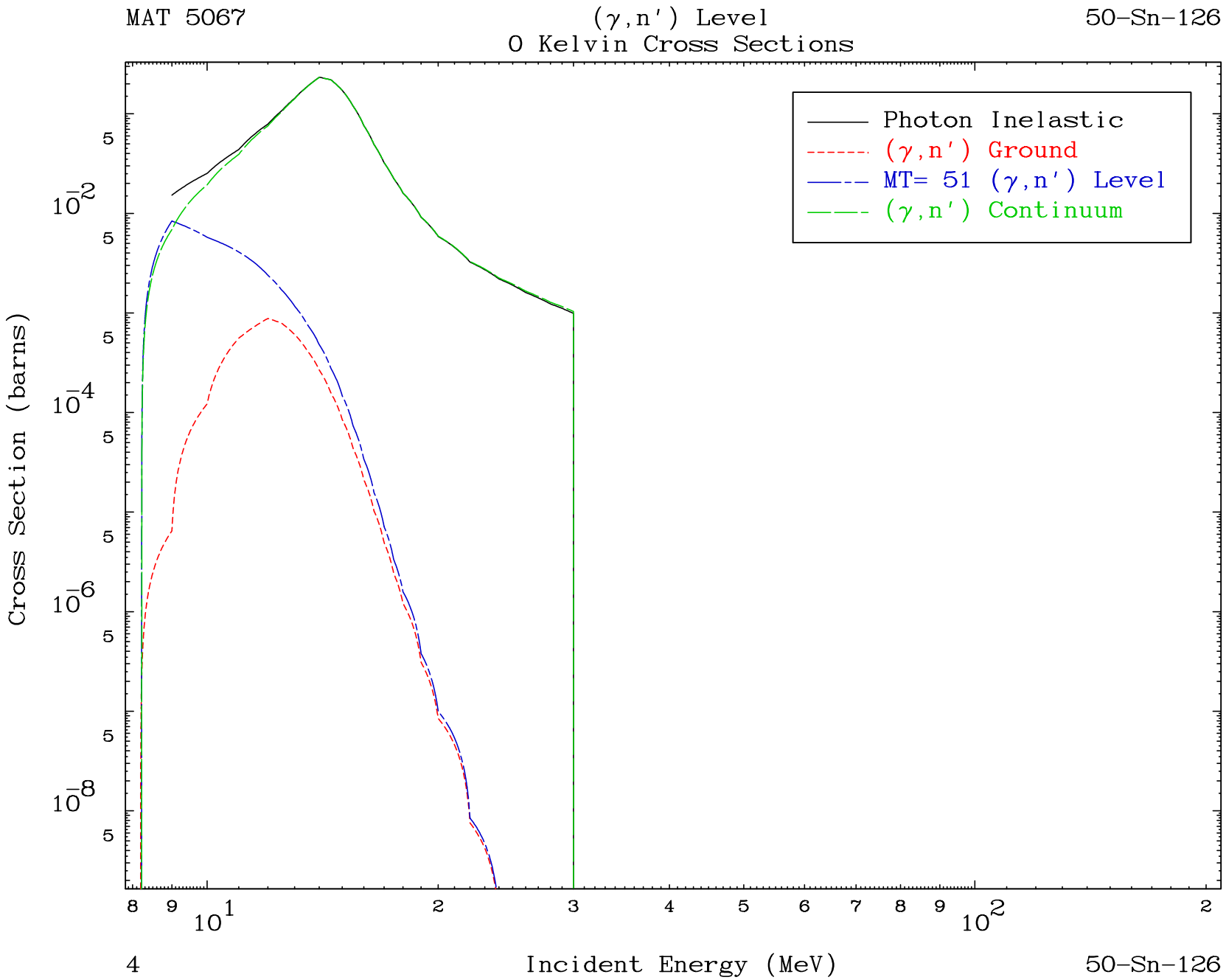
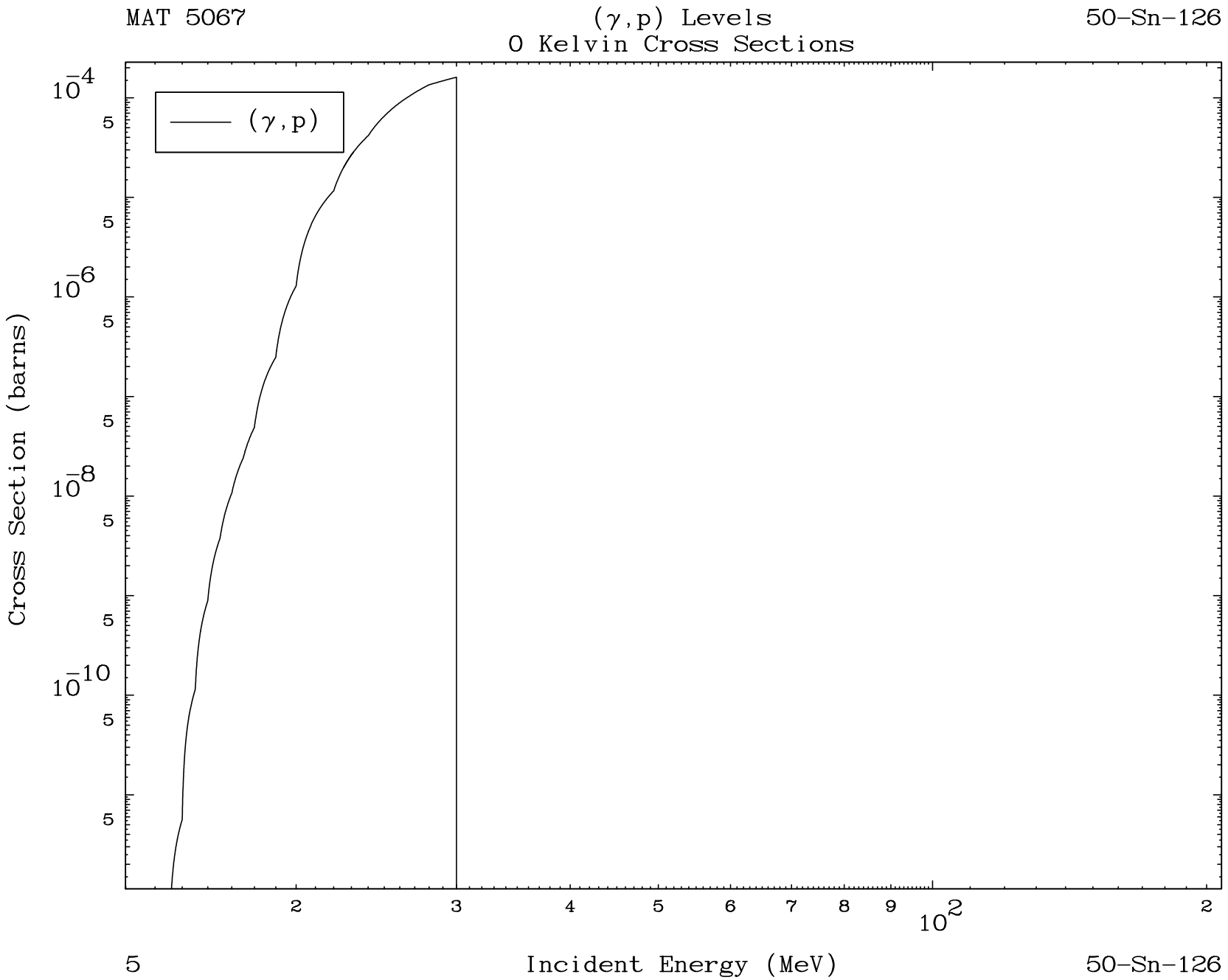
Press Mouse Button to Start


MAT 5067
Photon Major
50-Sn-126
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
1
50-Sn-126

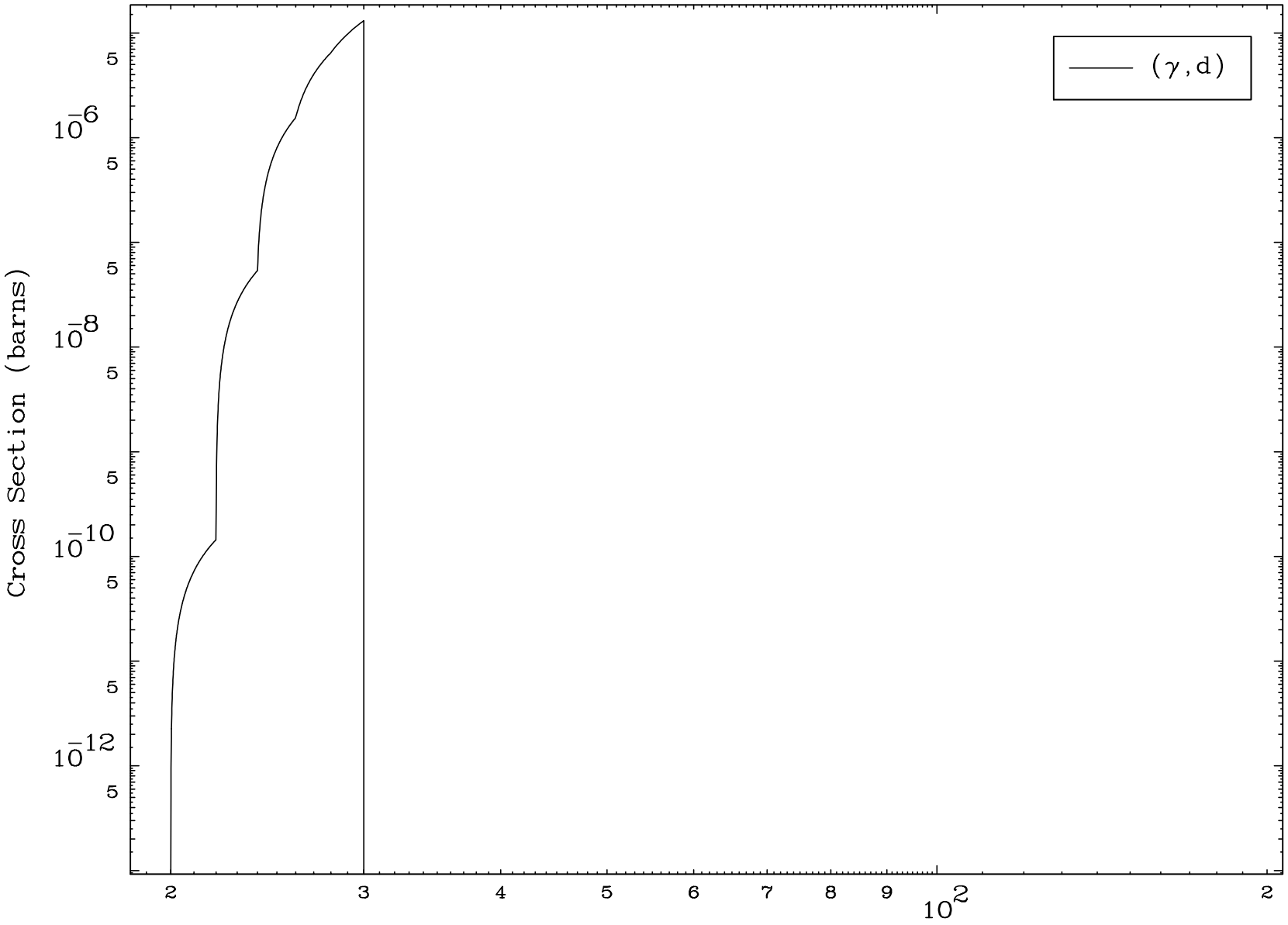

MAT 5067
Photon Neutron Production
0 Kelvin Cross Sections
50-Sn-126
Cross Section (barns)
10-2
10-4
10-6
10-8
(γ,2n)
(γ,3n)
(γ,n') α
(γ,n') p
(γ,n') d
(γ,2n) p
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
50-Sn-126

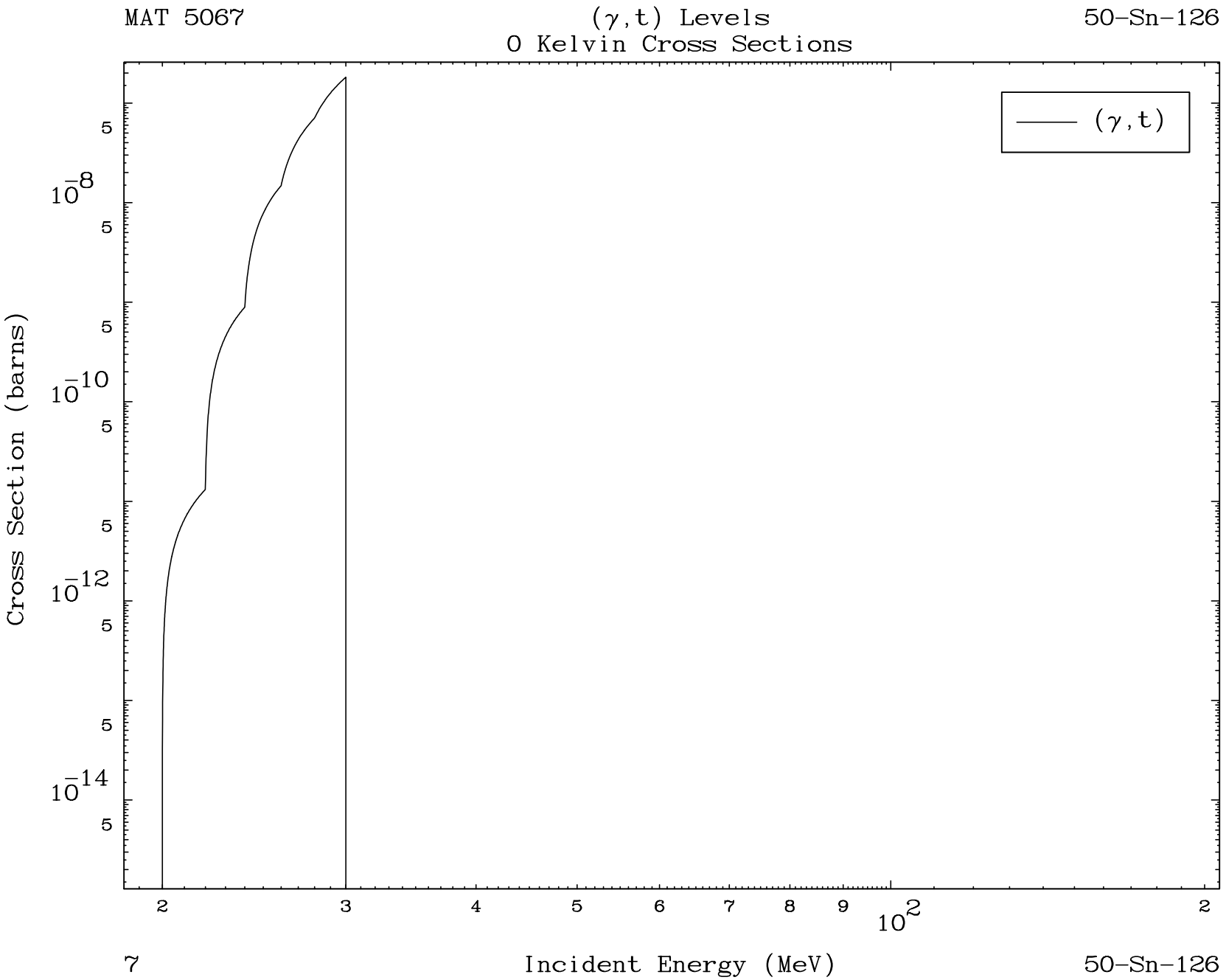

MAT 5067
Photon Charged Particle
0 Kelvin Cross Sections
50-Sn-126
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-126
(γ,n') α
(γ,n') p
(γ,n') d
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)

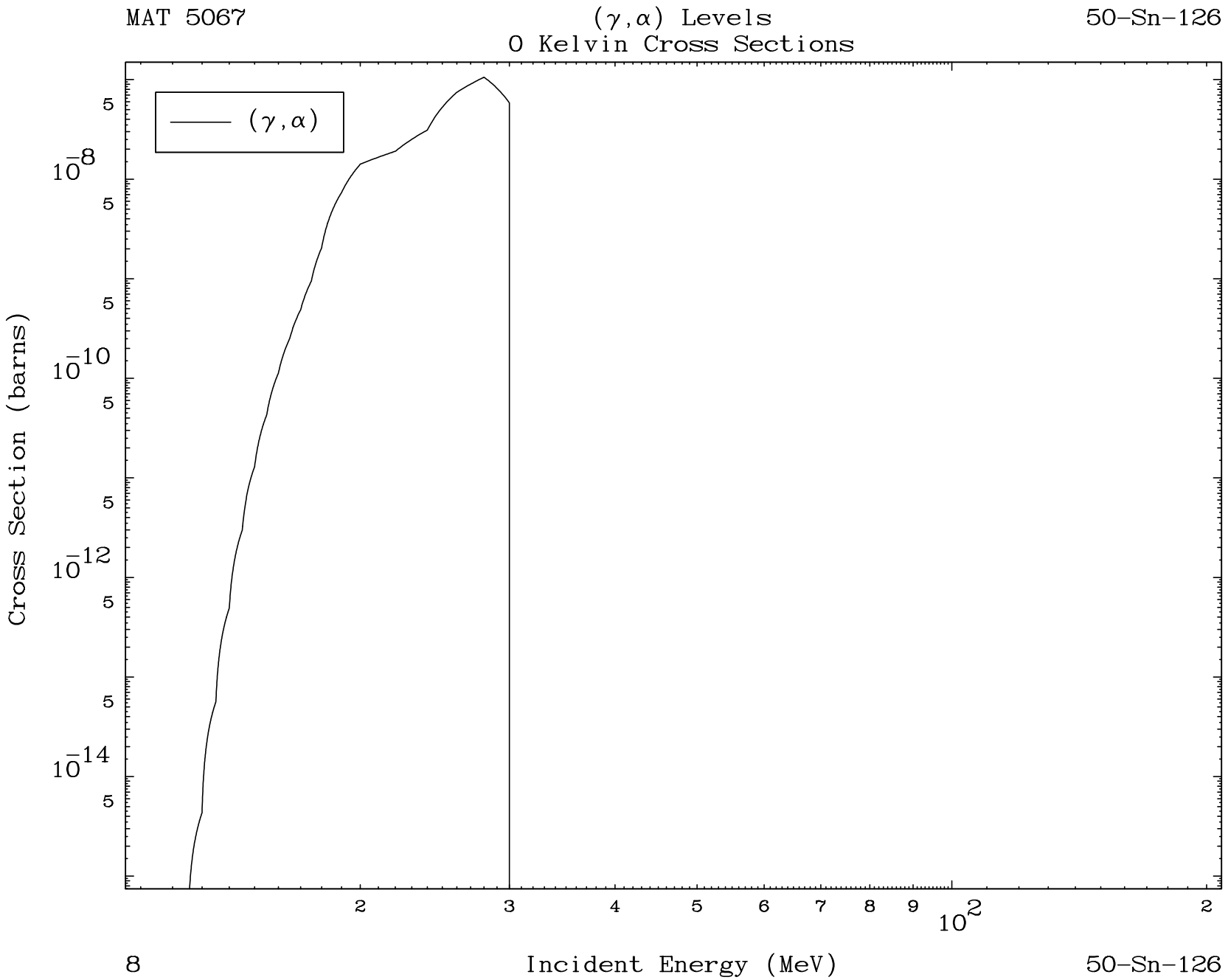

MAT 5067
(γ,n') Level
50-Sn-126
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
4
50-Sn-126

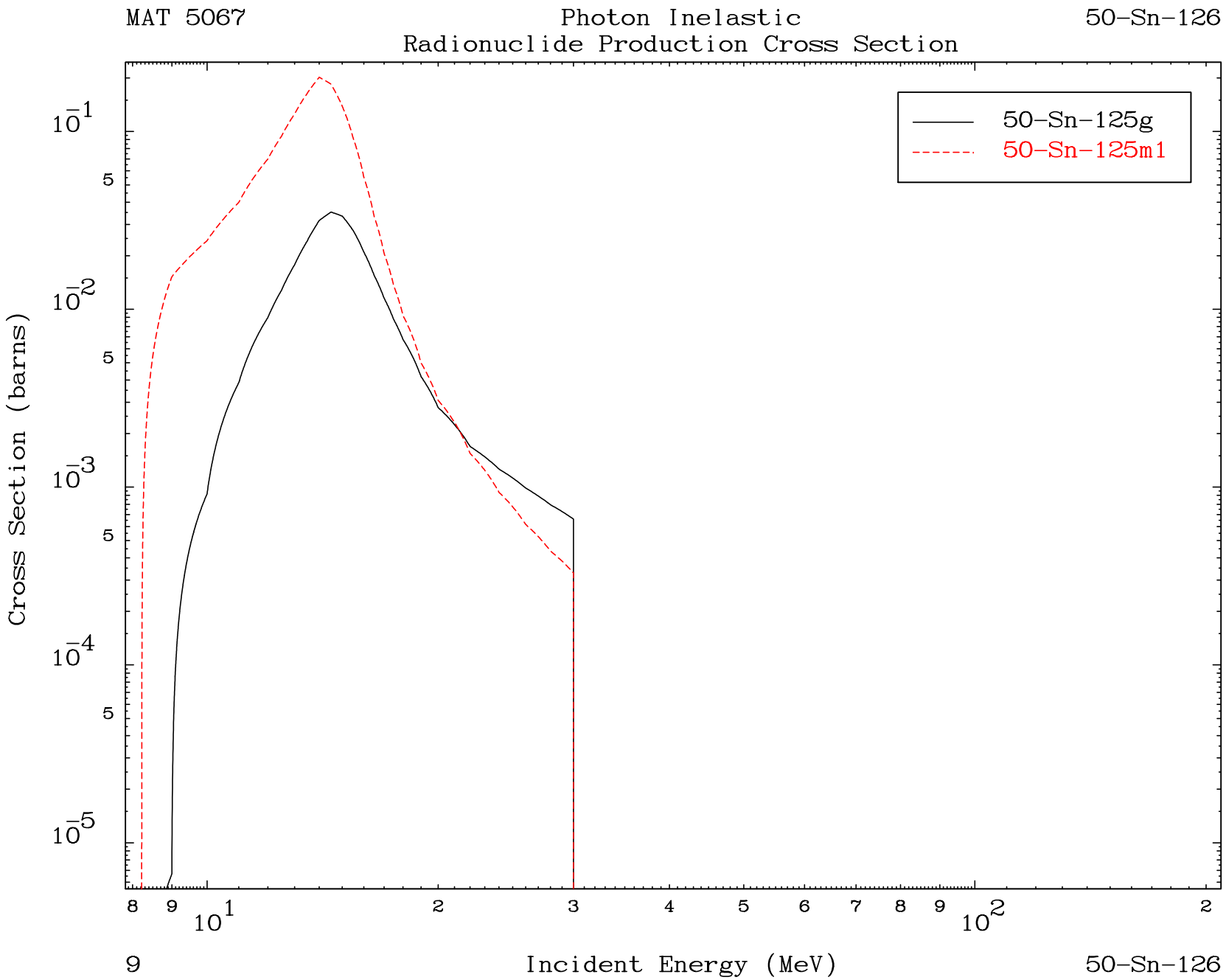

MAT 5067
(γ,p) Levels
50-Sn-126
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
50-Sn-126

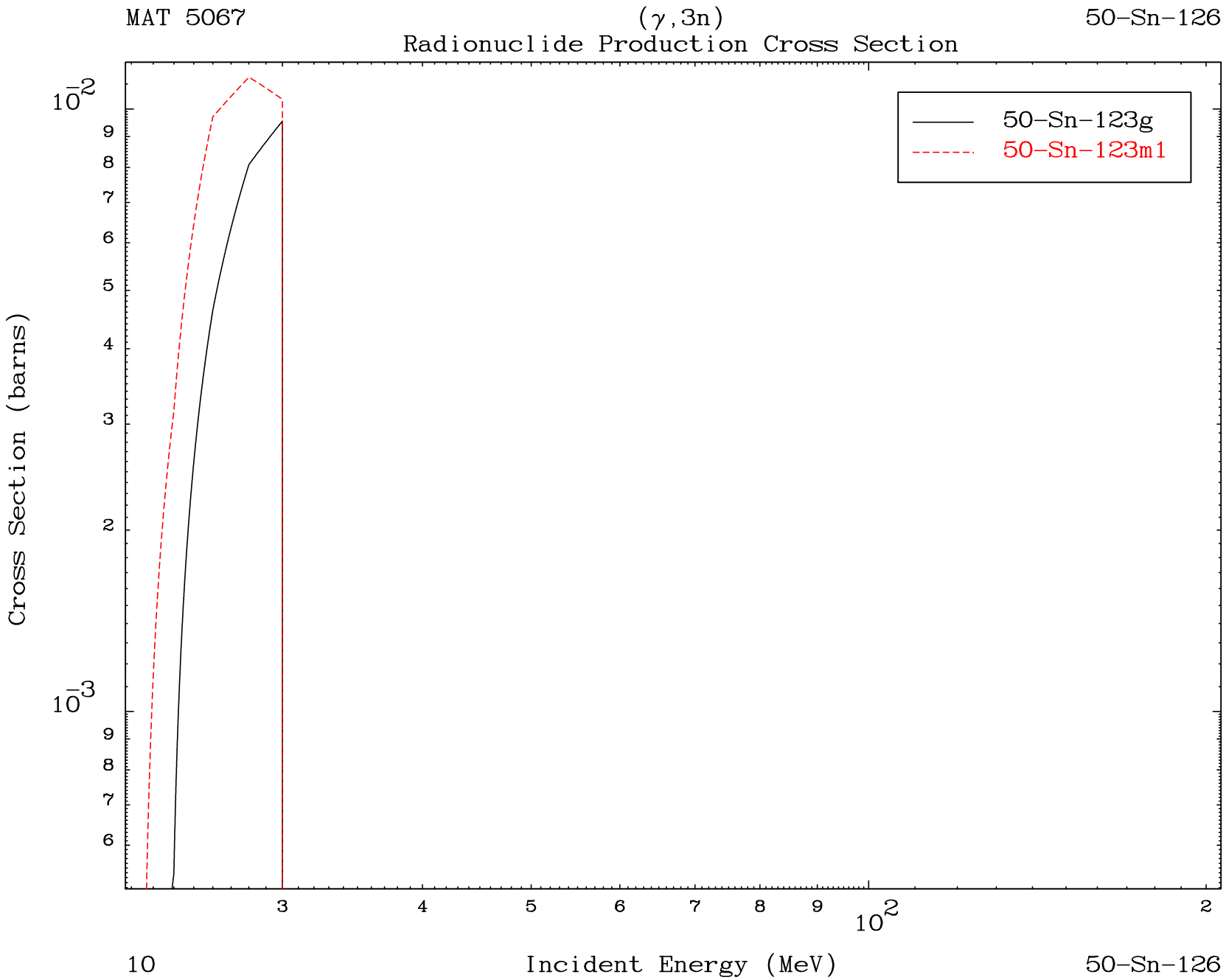
0 Kelvin Cross Sections

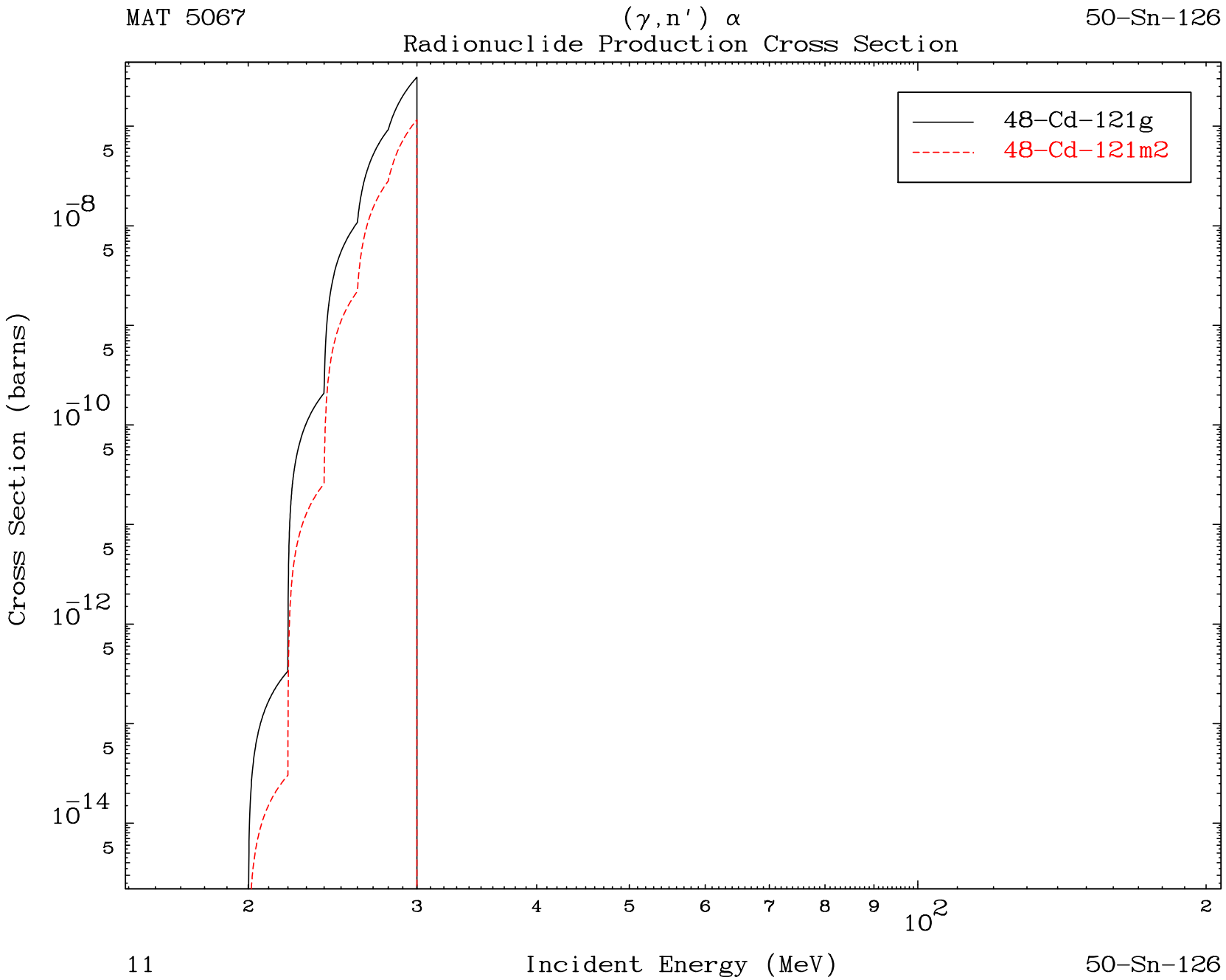


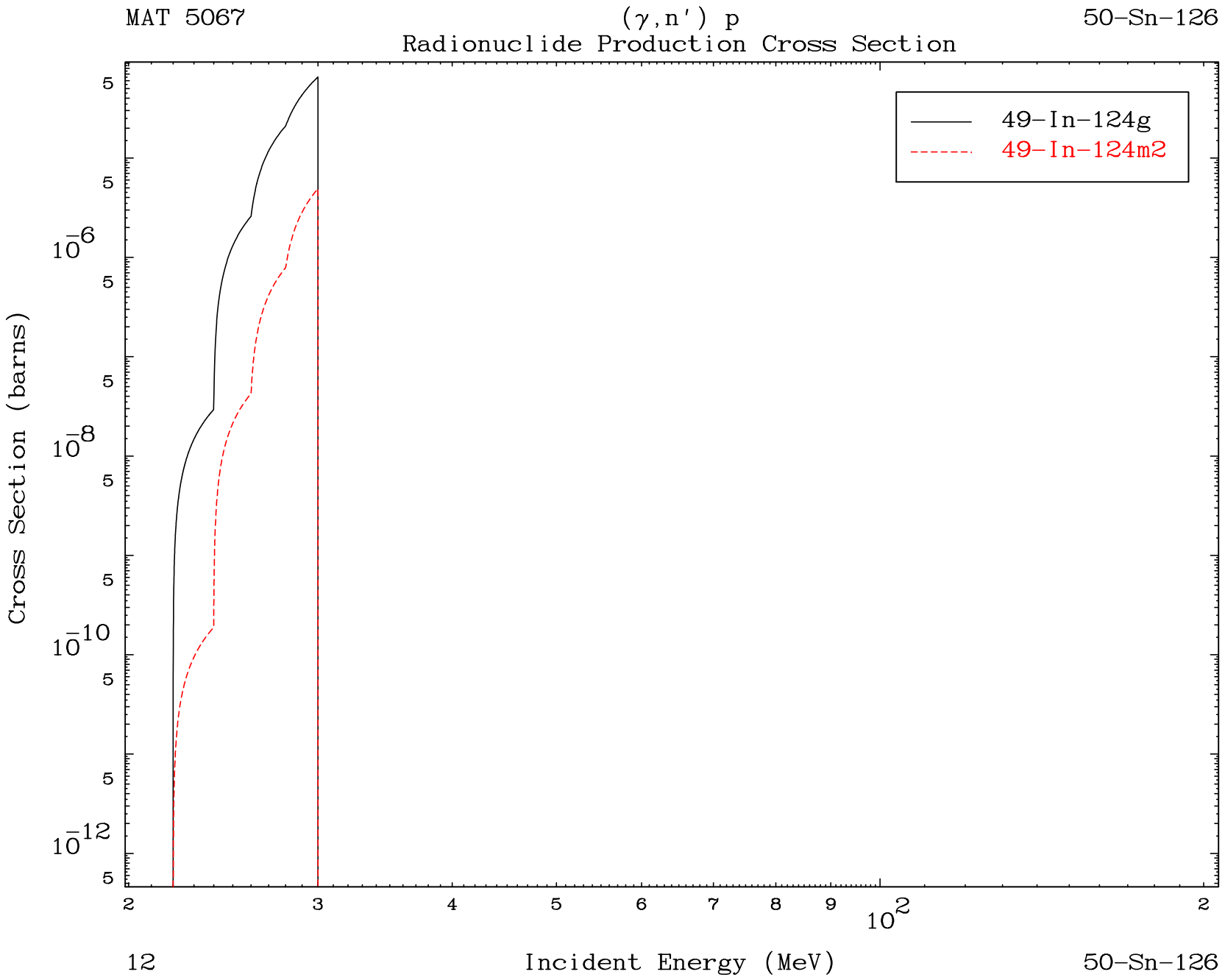

MAT 5067
(γ,t) Levels
50-Sn-126
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
50-Sn-126

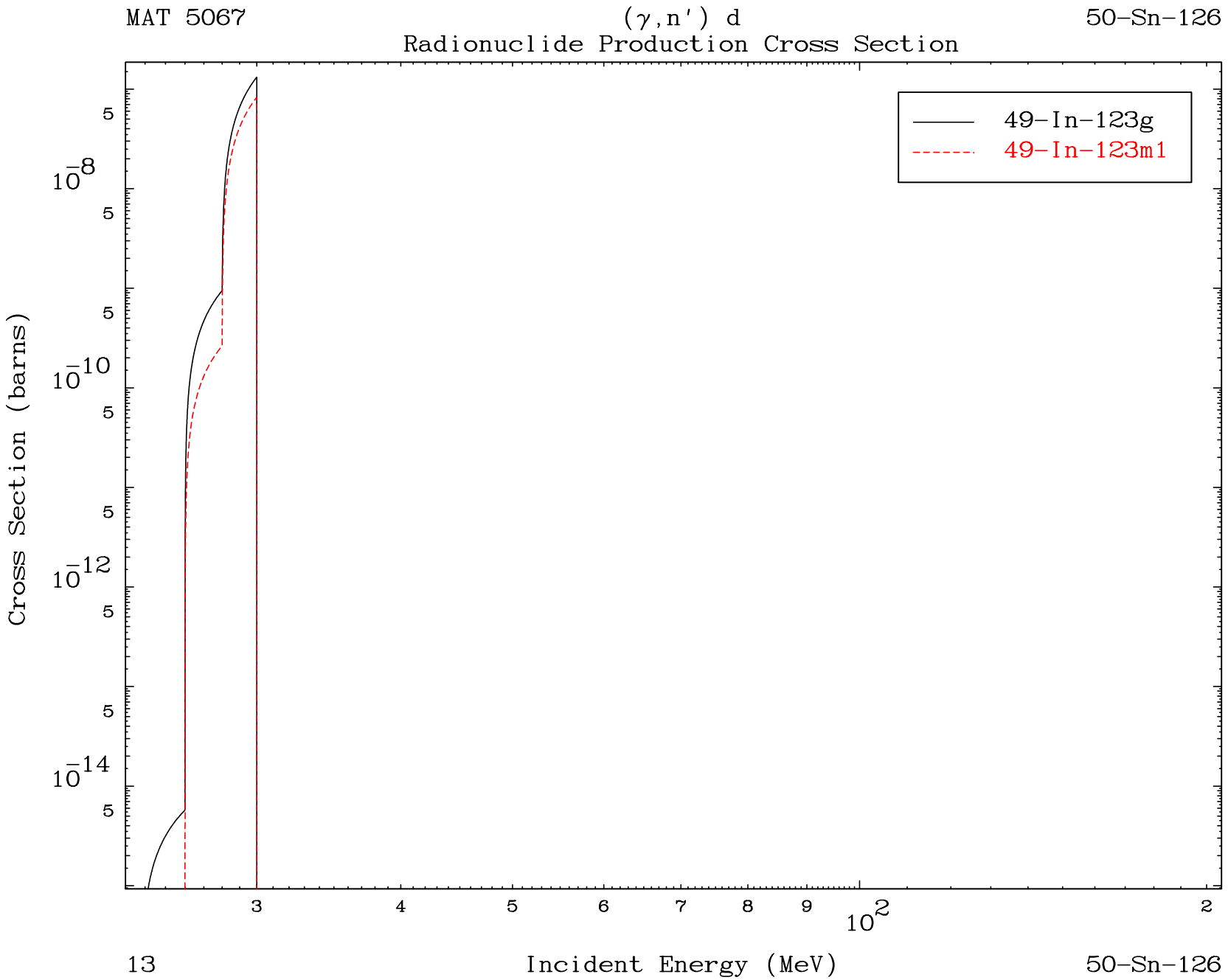

MAT 5067
(γ,α) Levels
50-Sn-126
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
8
Incident Energy (MeV)
50-Sn-126

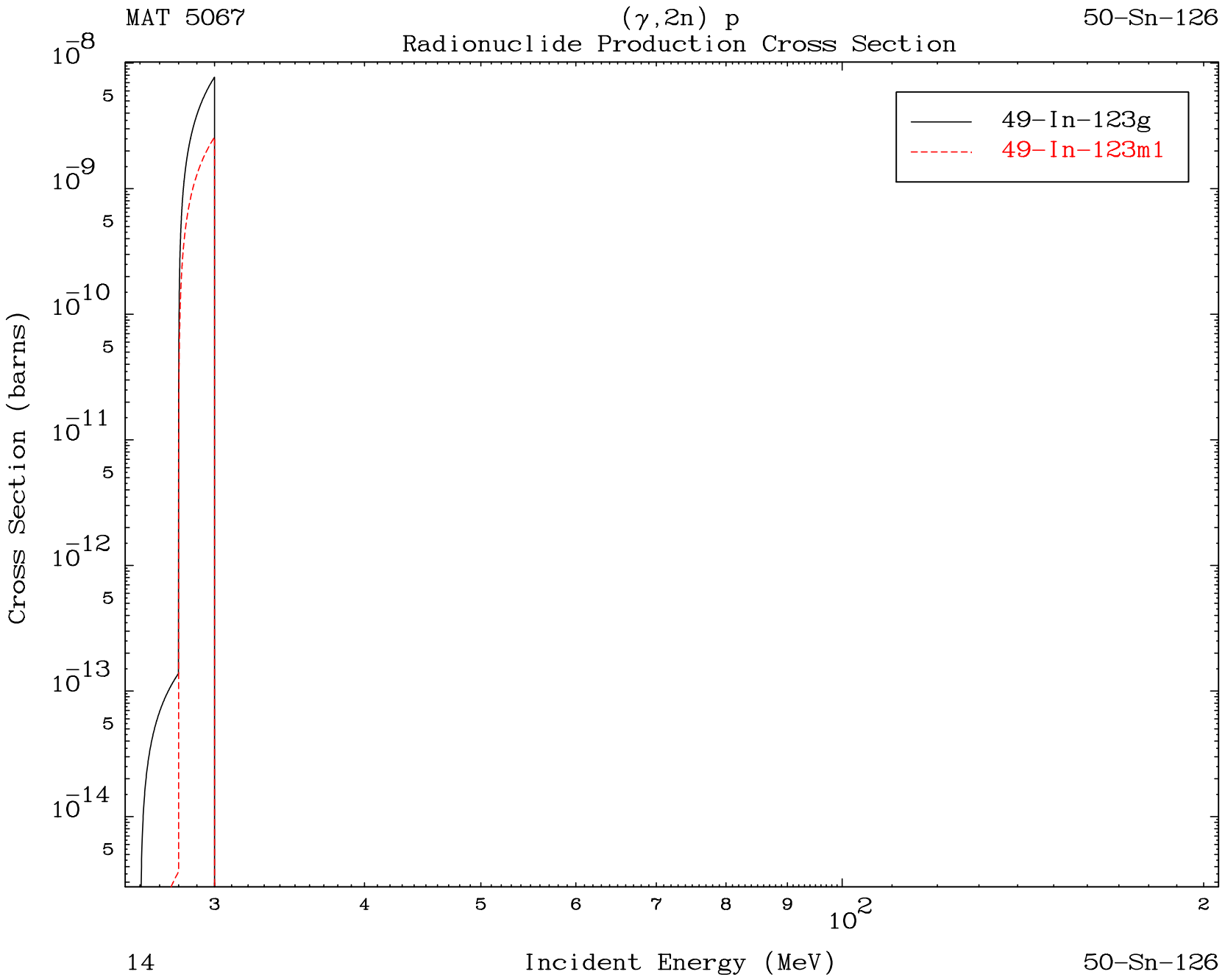

MAT 5067
Photon Inelastic
50-Sn-126
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
Incident Energy (MeV)
50-Sn-126
9

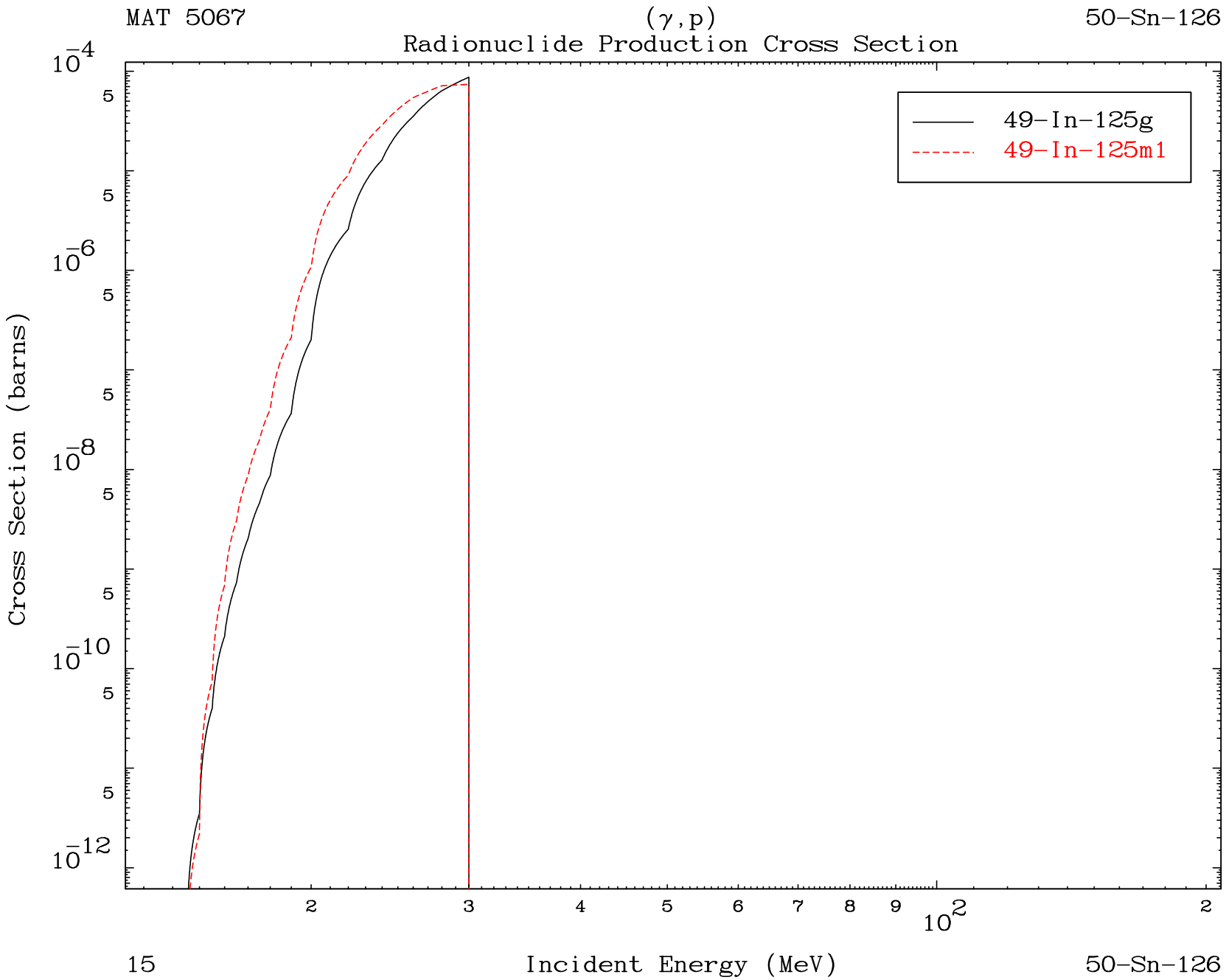

MAT 5067
(γ,3n)
50-Sn-126
Radionuclide Production Cross Section
50-Sn-123g
50-Sn-123m1
Cross Section (barns)
10^-2
10^-3
9
8
7
6
5
4
3
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
50-Sn-126

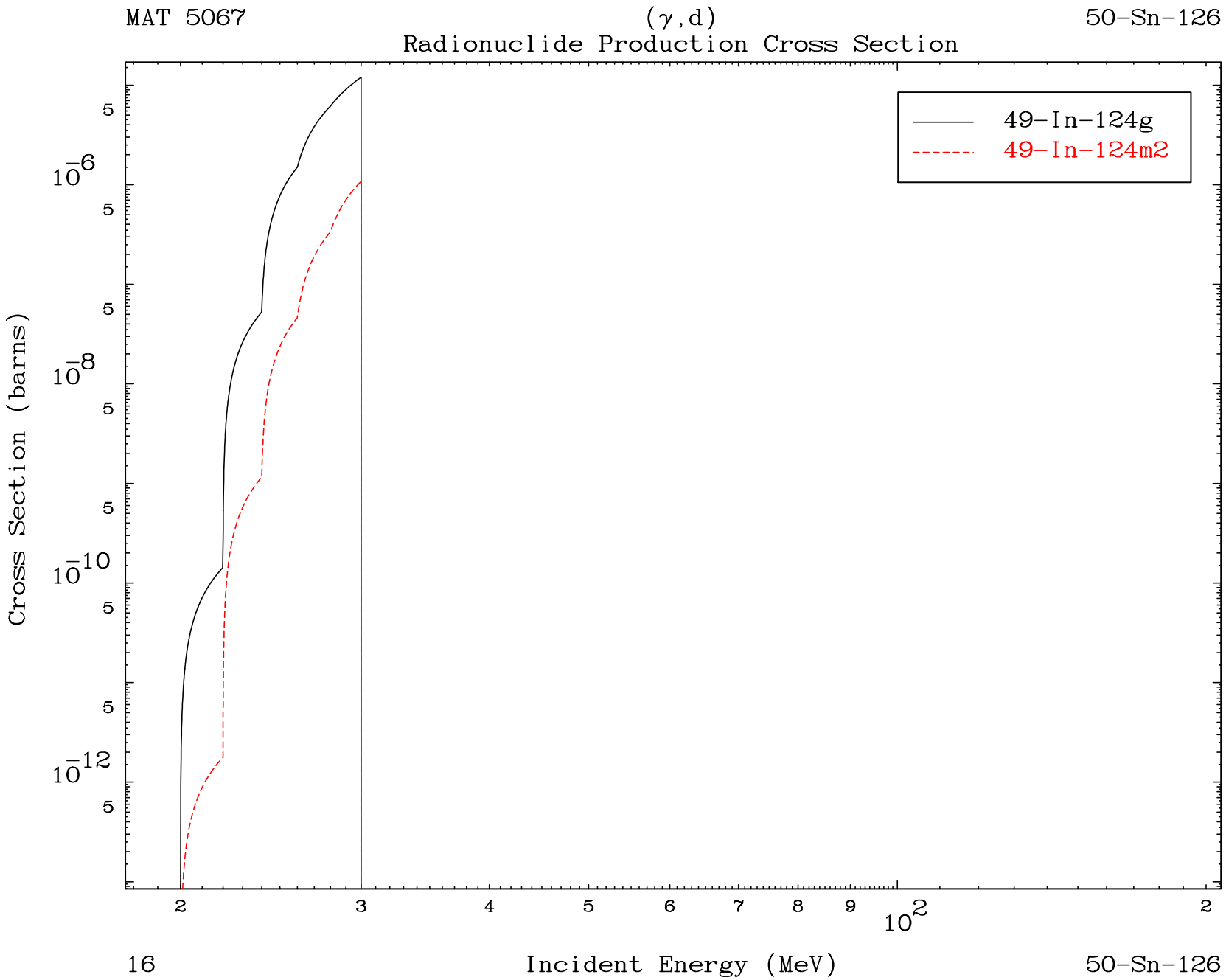

MAT 5067
(γ,n') α
50-Sn-126
Radionuclide Production Cross Section
48-Cd-121g
48-Cd-121m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
11
50-Sn-126

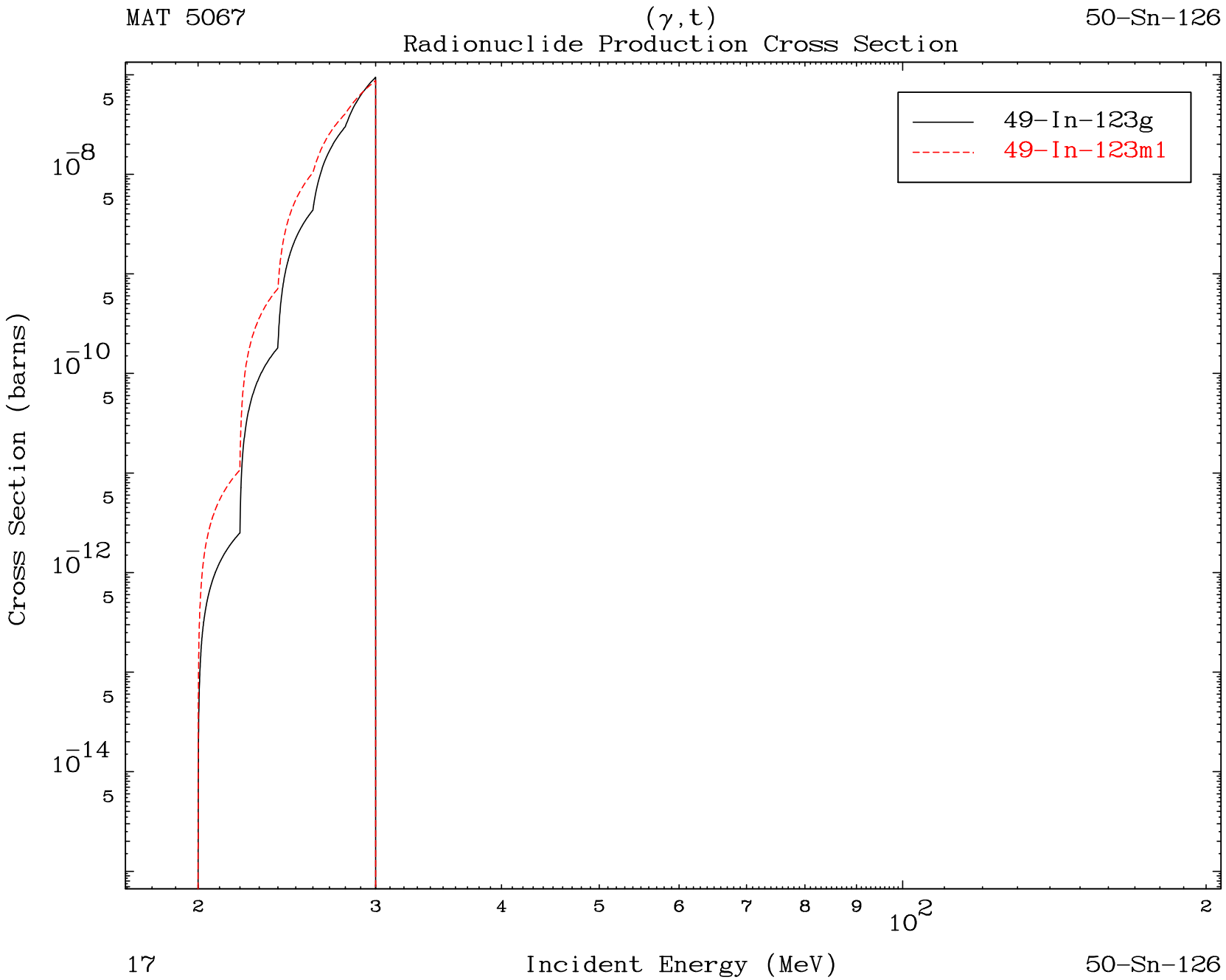

MAT 5067
(γ,n') p
50-Sn-126
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
50-Sn-126


MAT 5067
(γ,n') d
50-Sn-126
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
50-Sn-126


MAT 5067
(γ,2n) p
50-Sn-126
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
Incident Energy (MeV)
14
50-Sn-126


MAT 5067
(γ,p)
50-Sn-126
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
Incident Energy (MeV)
15
50-Sn-126


MAT 5067
(γ,d)
50-Sn-126
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
50-Sn-126


MAT 5067
(γ,t)
50-Sn-126
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
50-Sn-126