Program EVALPLOT
(Version 2021-1)
by
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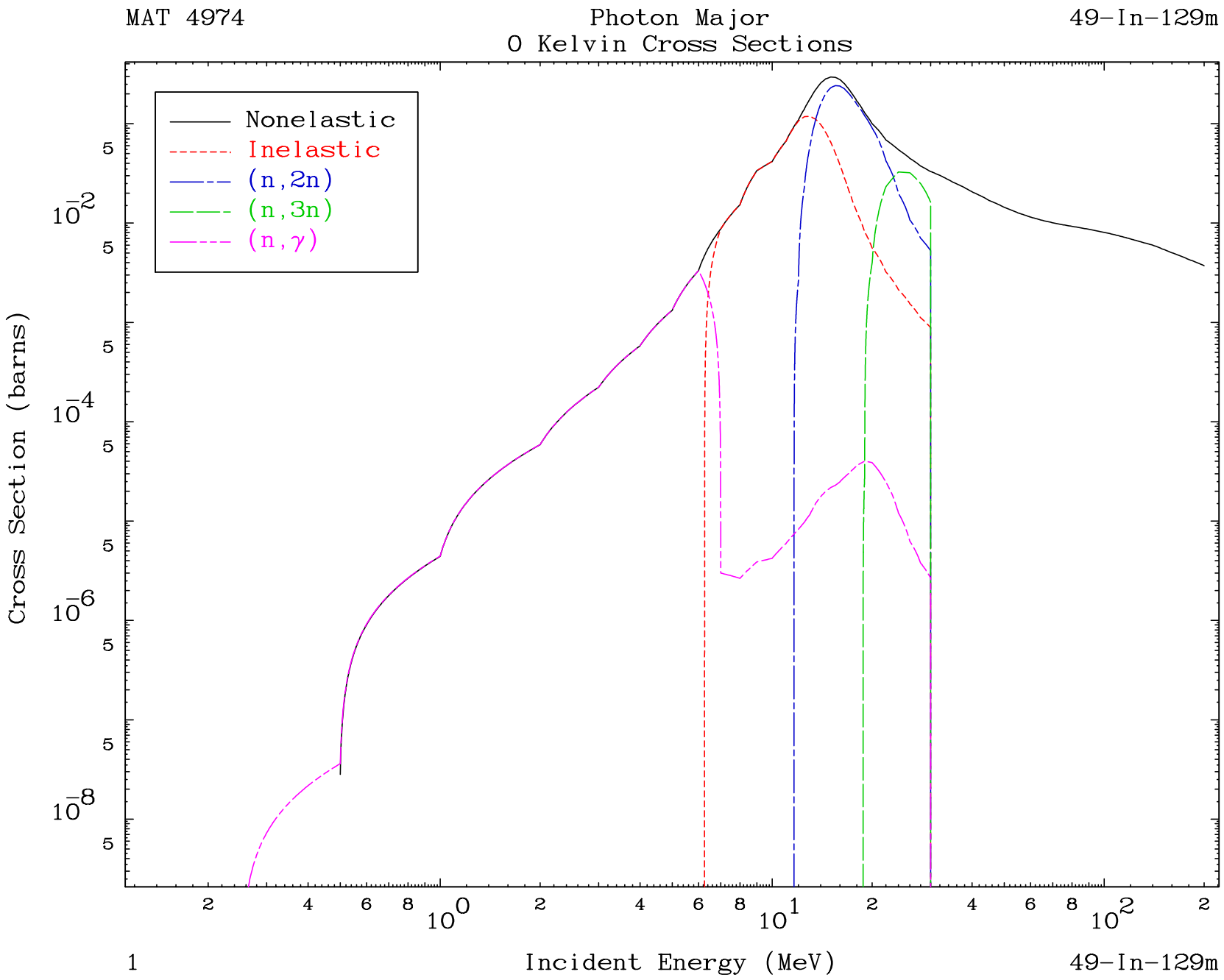
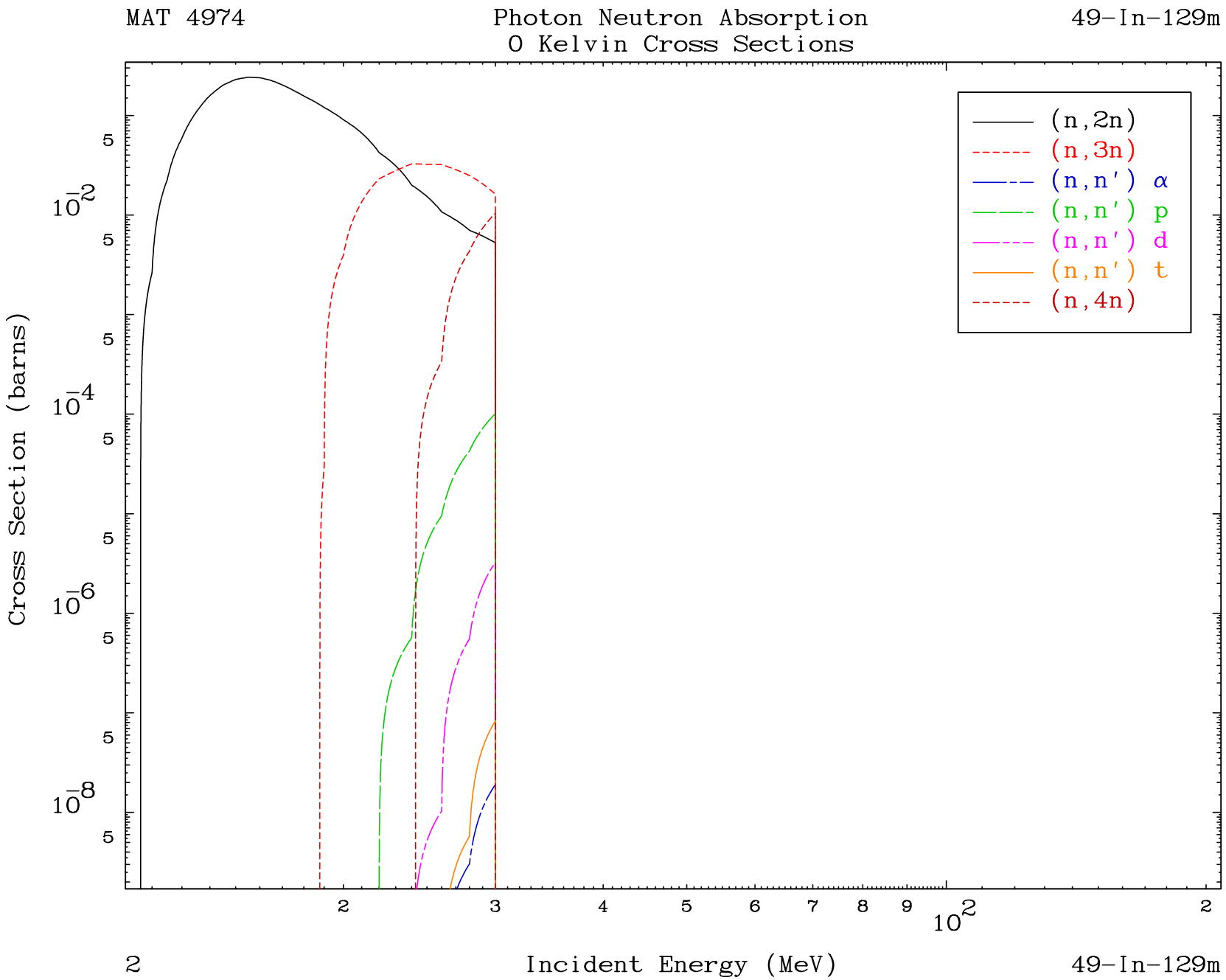
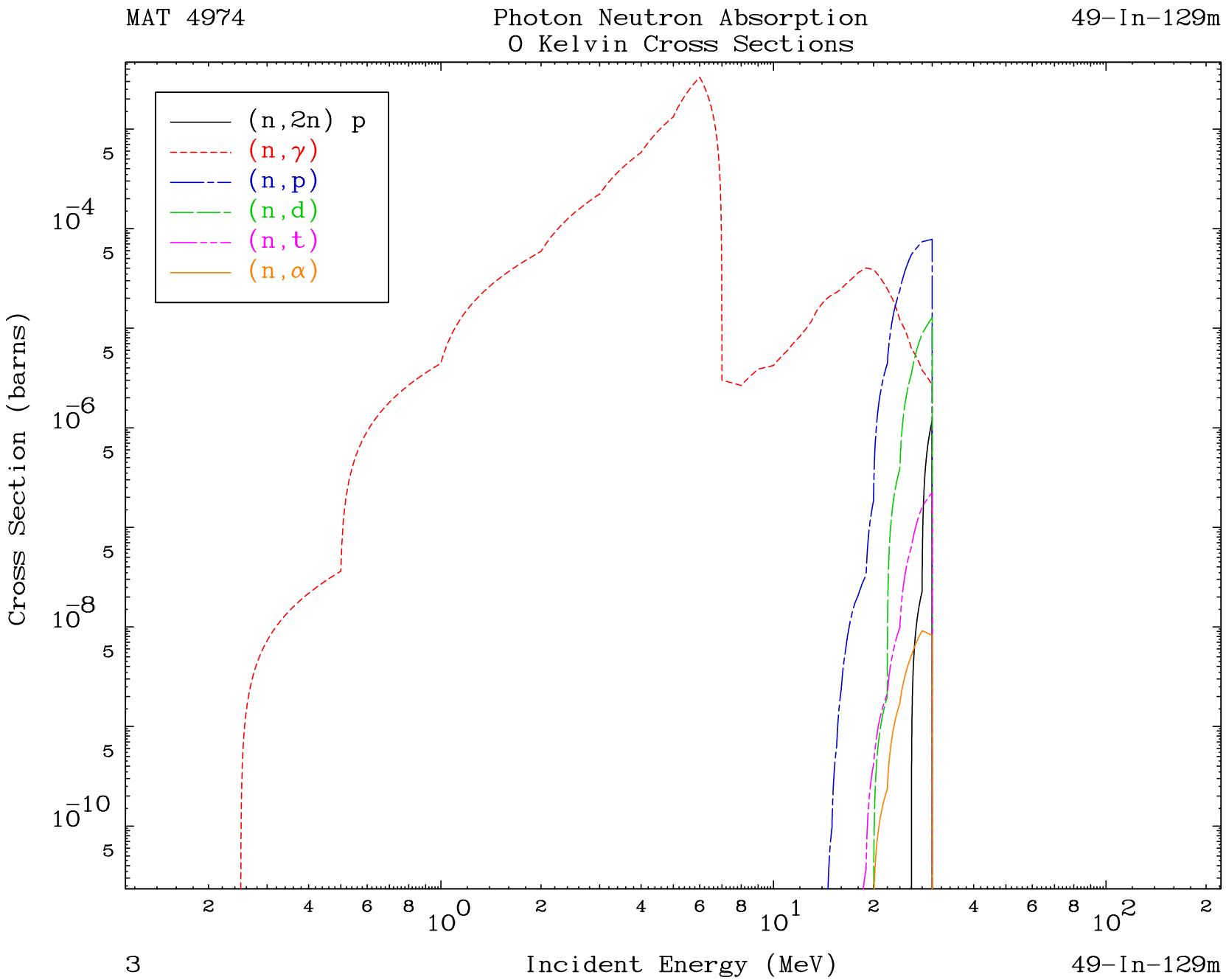
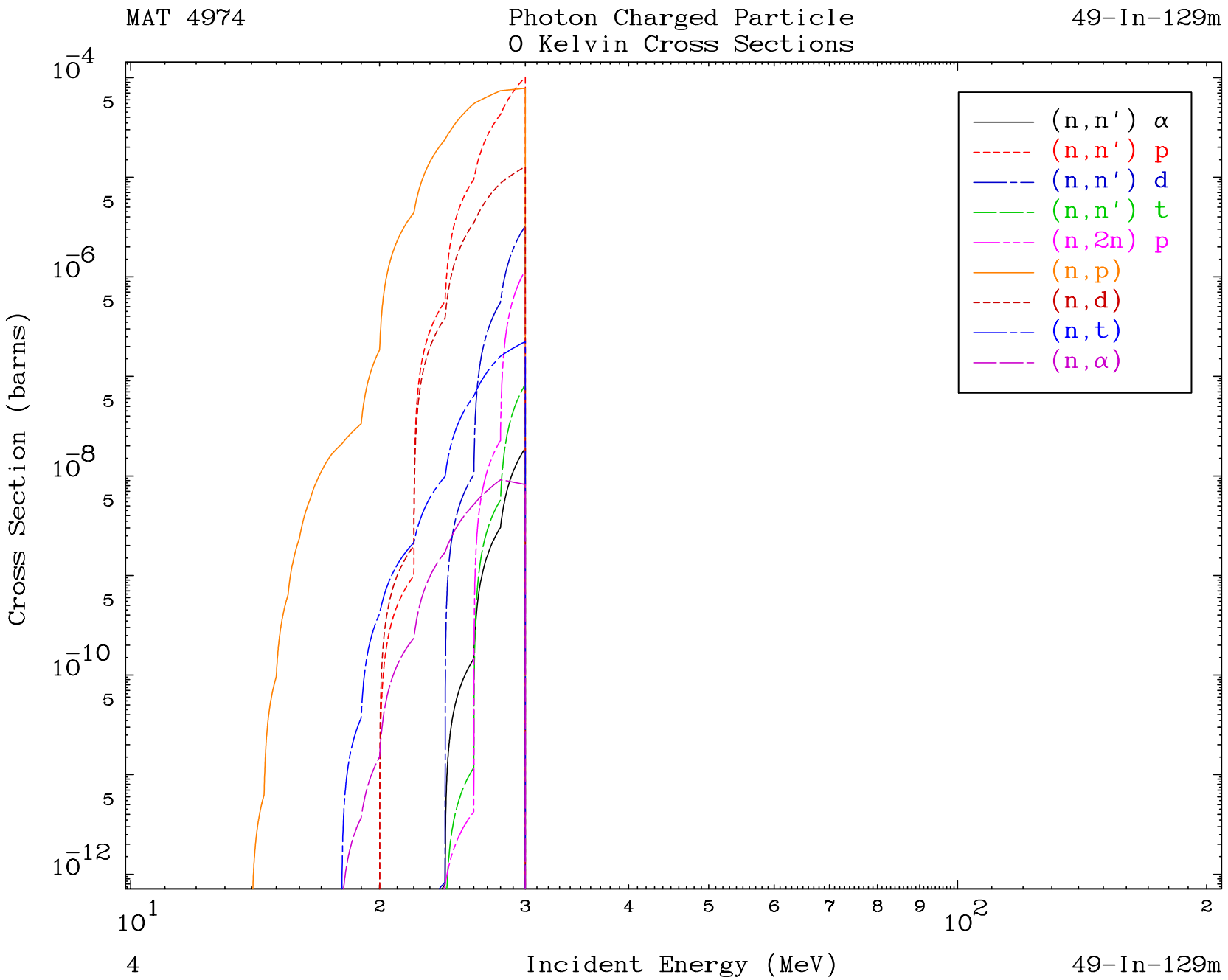
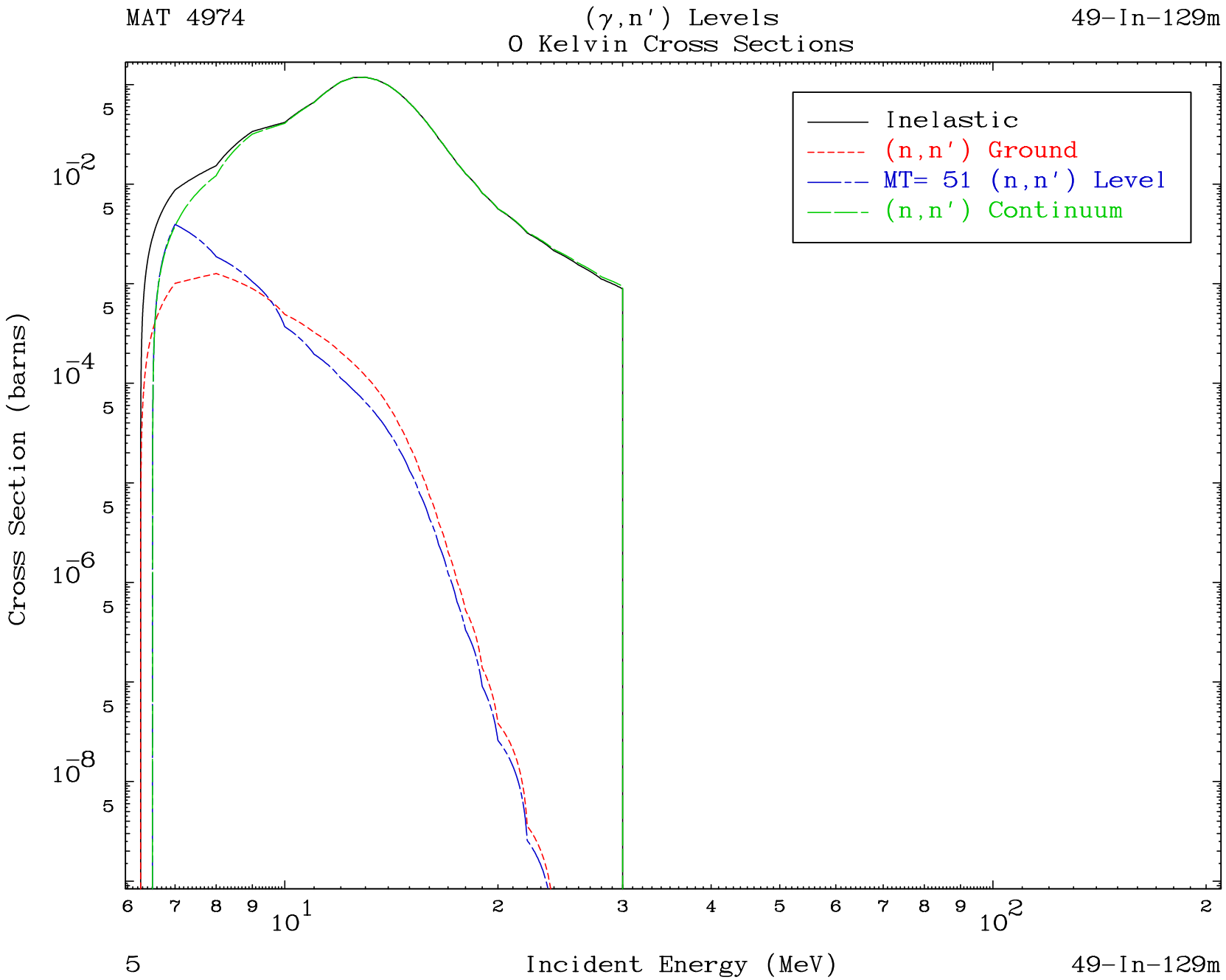
Press Mouse Button to Start

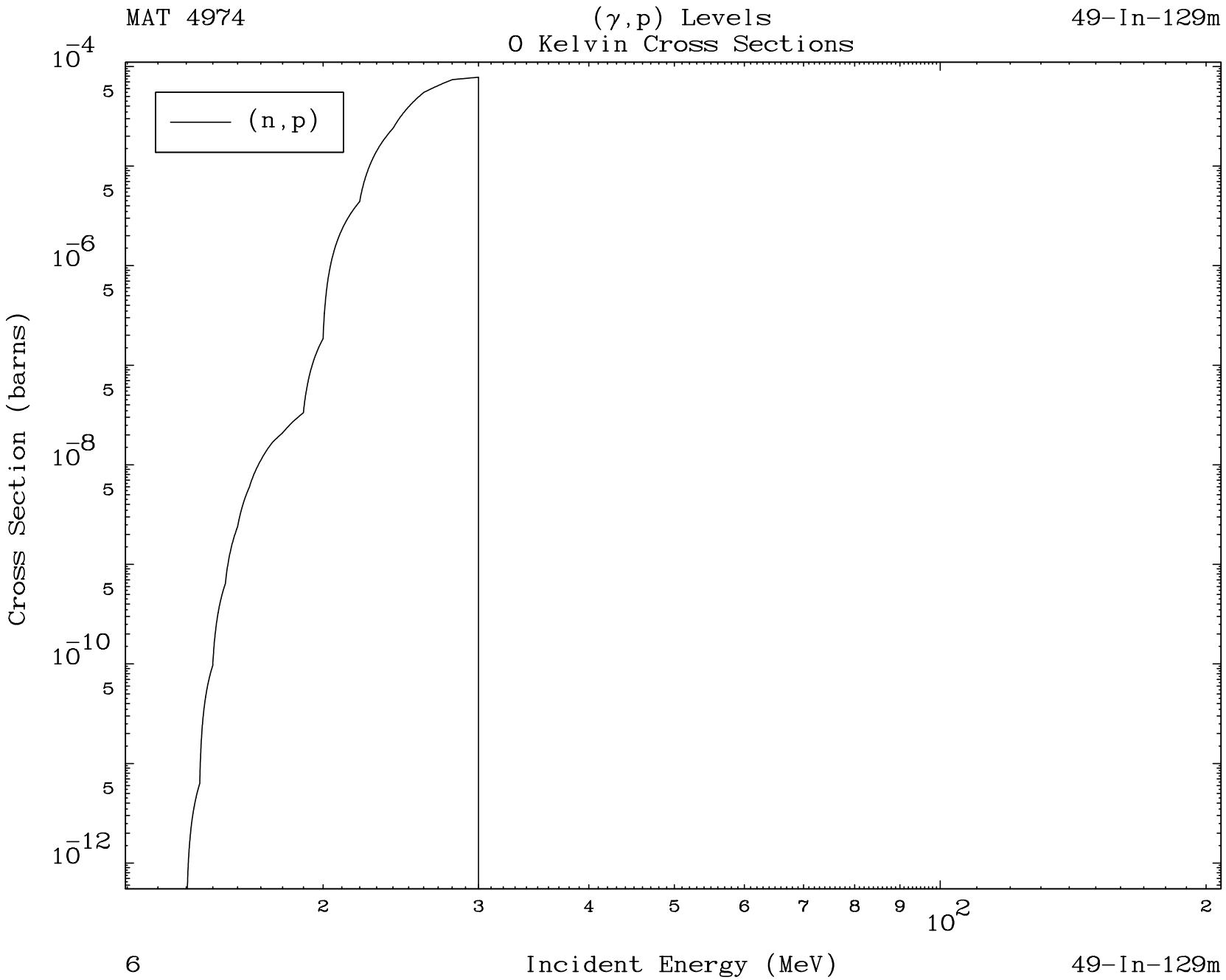

MAT 4974
Photon Major
49-In-129m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
1
Incident Energy (MeV)
49-In-129m

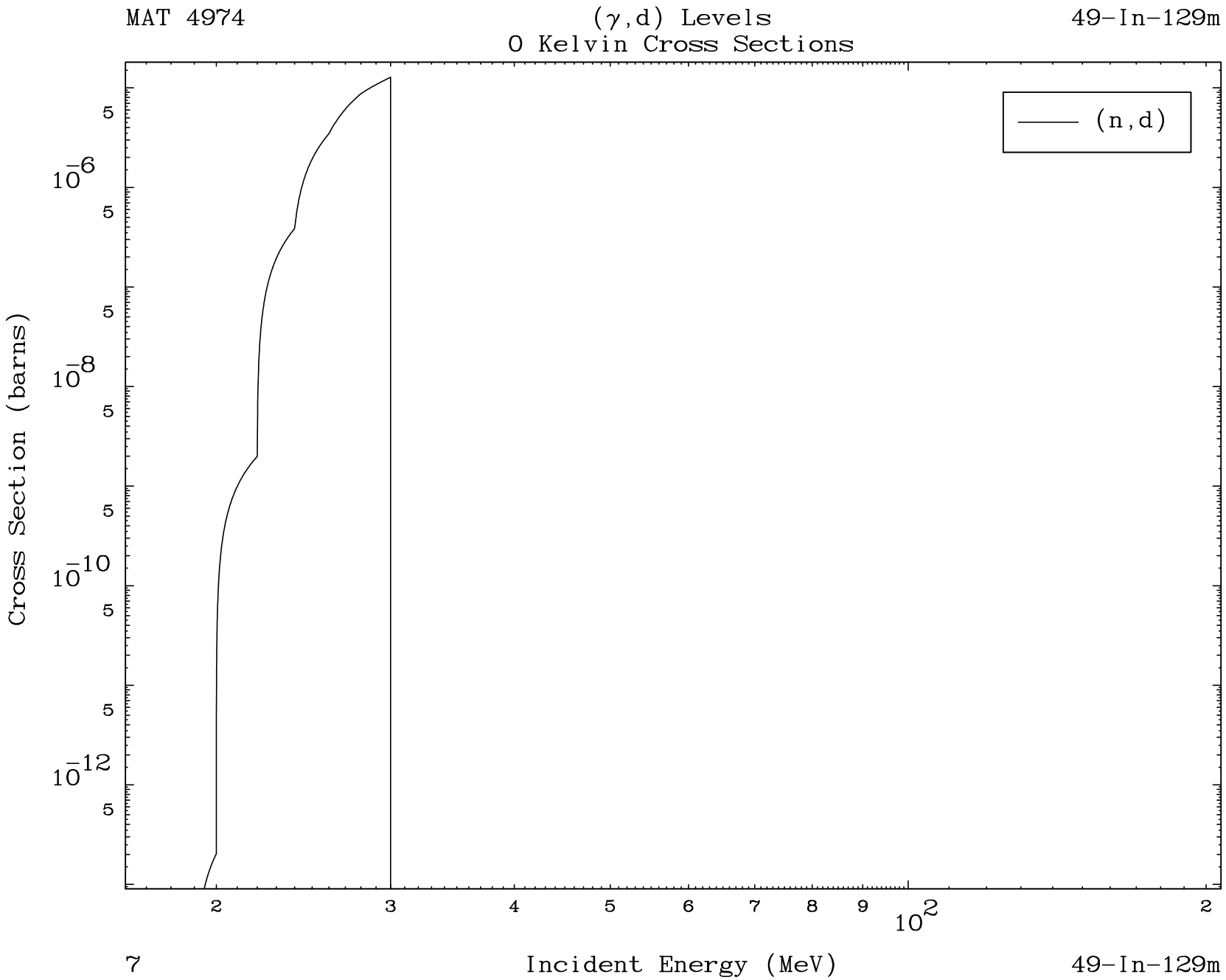

MAT 4974
Photon Neutron Absorption
0 Kelvin Cross Sections
49-In-129m
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
49-In-129m
(n,2n)
(n,3n)
(n,n') α
(n,n') p
(n,n') d
(n,n') t
(n,4n)

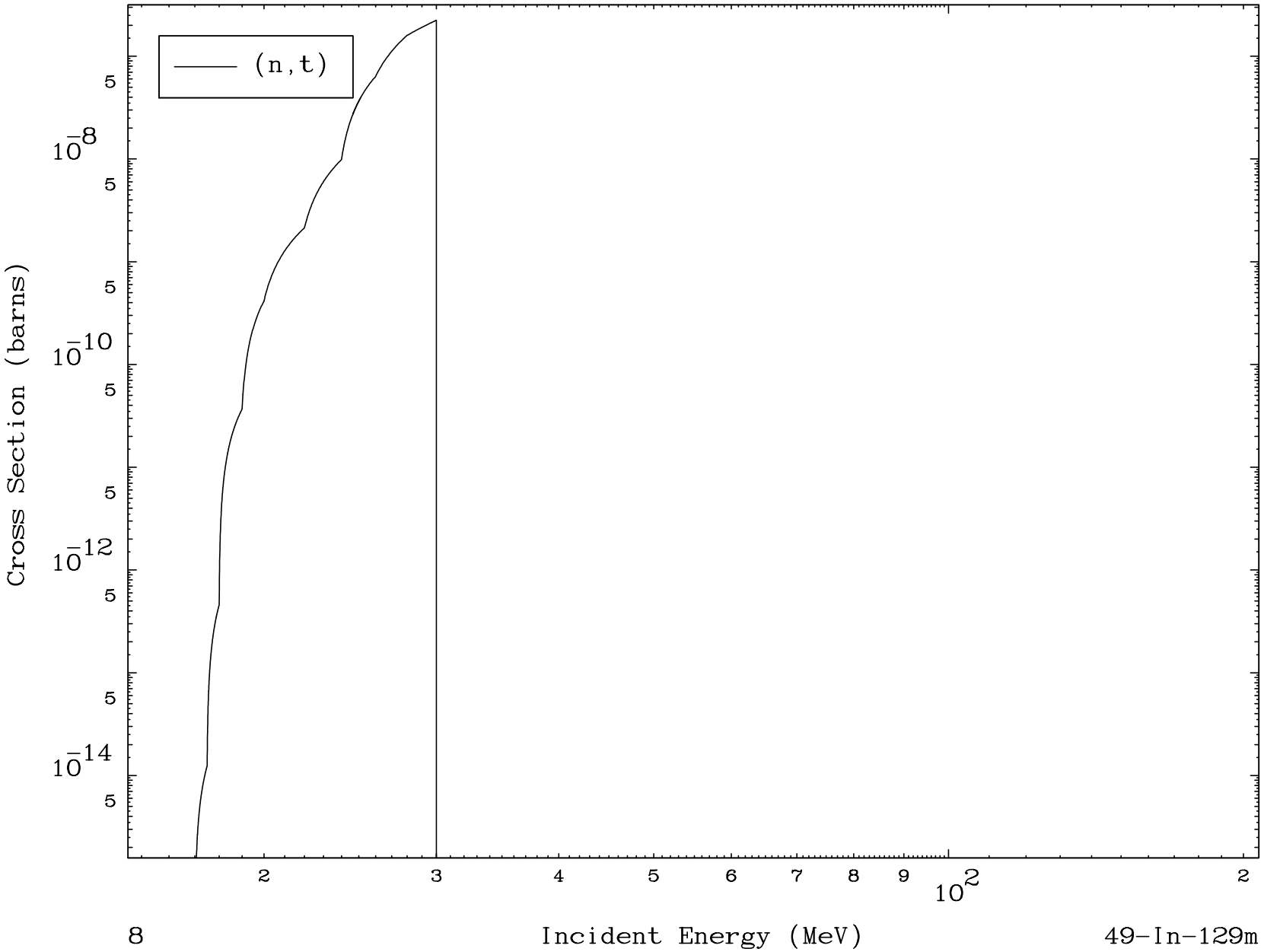

MAT 4974
Photon Neutron Absorption
0 Kelvin Cross Sections
49-In-129m
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
3
49-In-129m

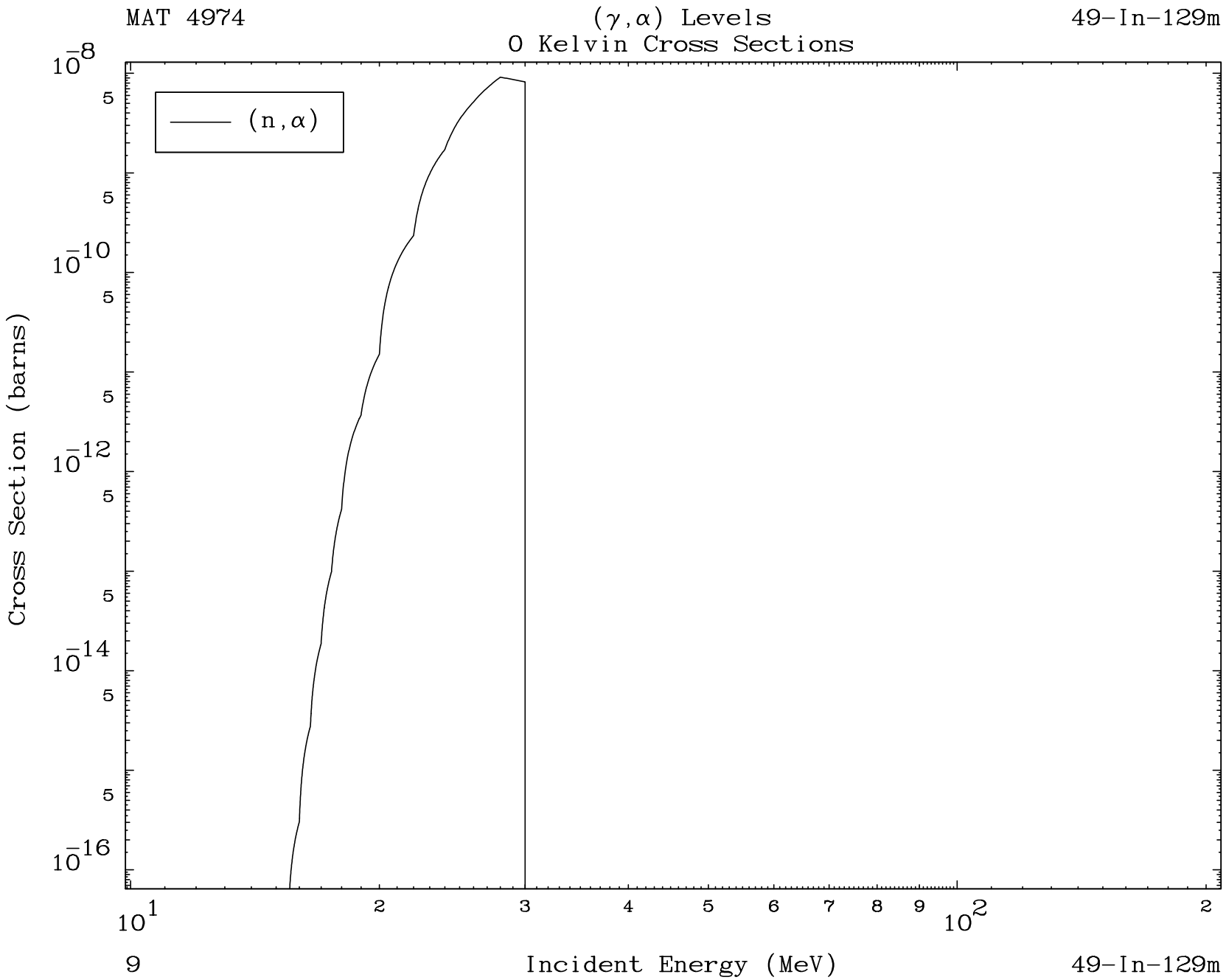

MAT 4974
Photon Charged Particle
0 Kelvin Cross Sections
49-In-129m
Cross Section (barns)
Incident Energy (MeV)
49-In-129m
4
(n,n') α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)

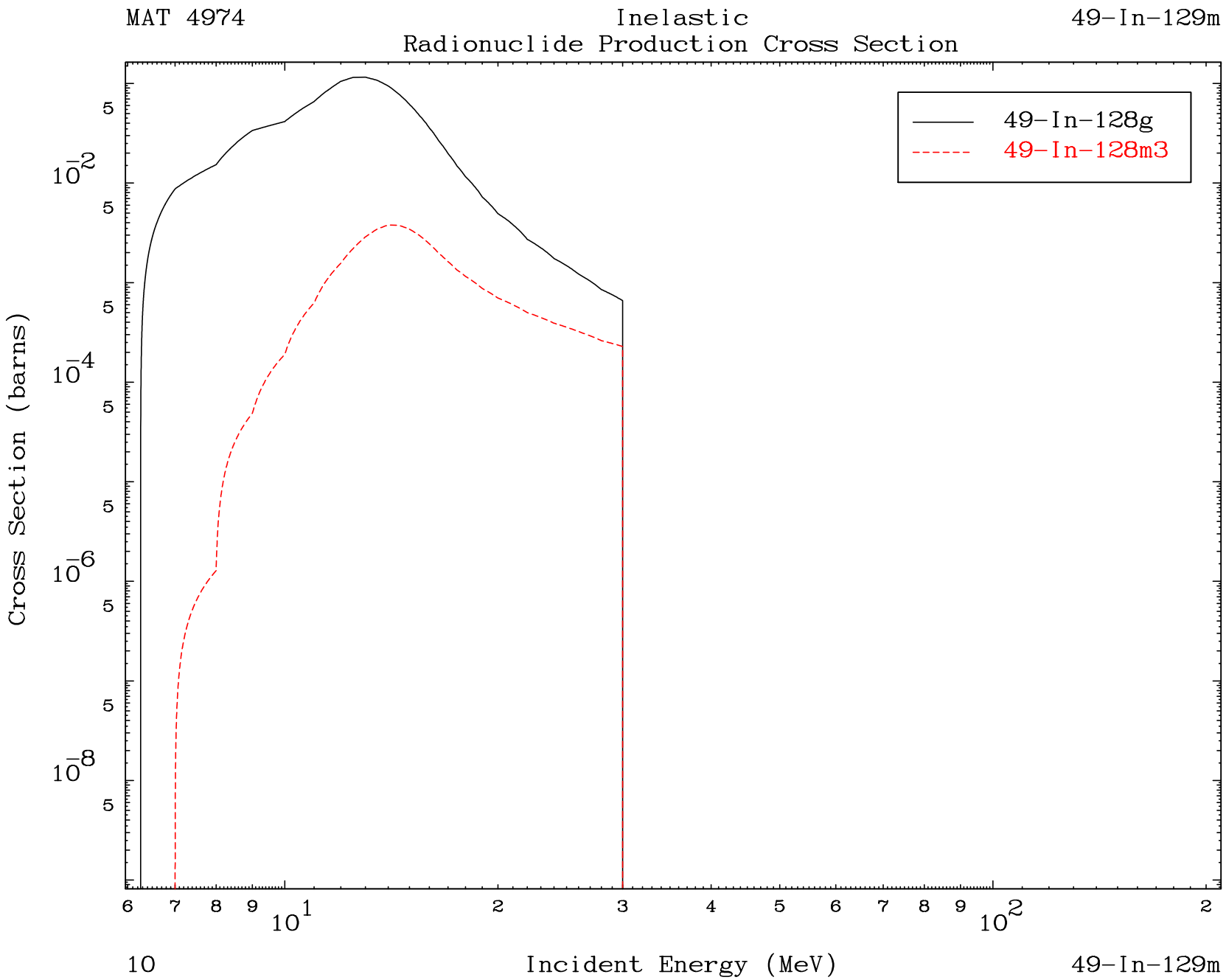

MAT 4974
(γ,n') Levels
49-In-129m
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
49-In-129m

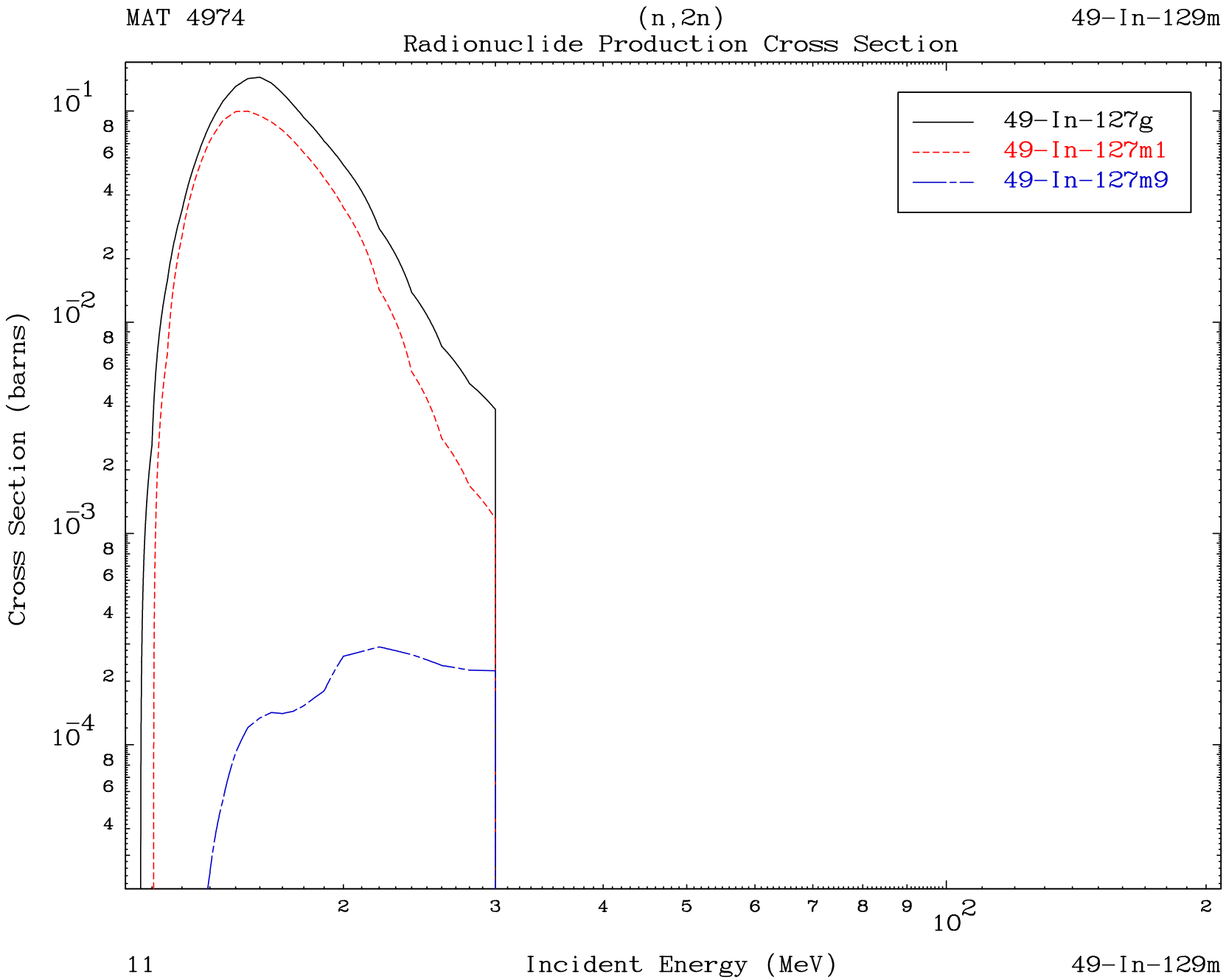

MAT 4974
(γ,p) Levels
49-In-129m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
6
Incident Energy (MeV)
49-In-129m

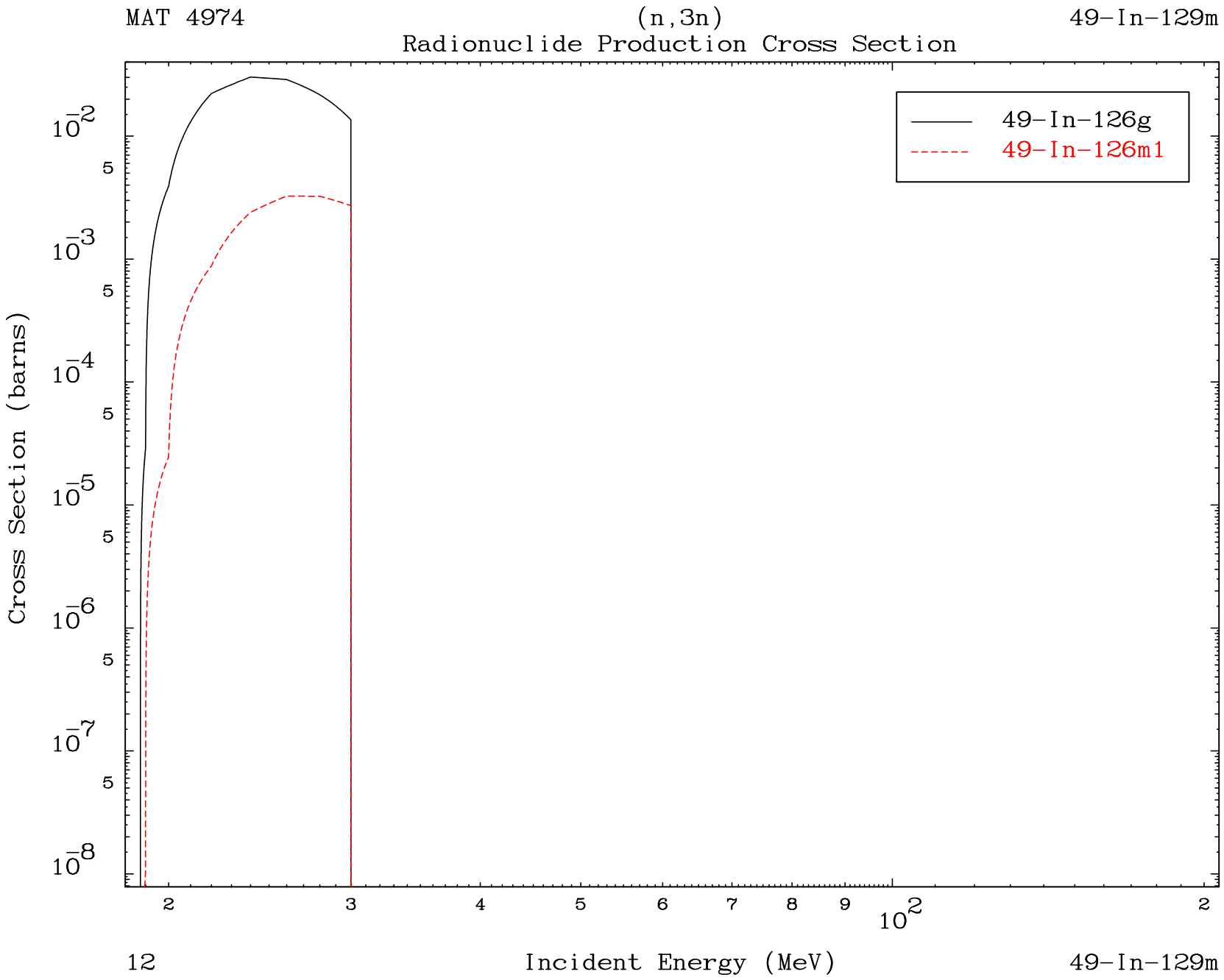

MAT 4974
(γ,d) Levels
49-In-129m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
49-In-129m

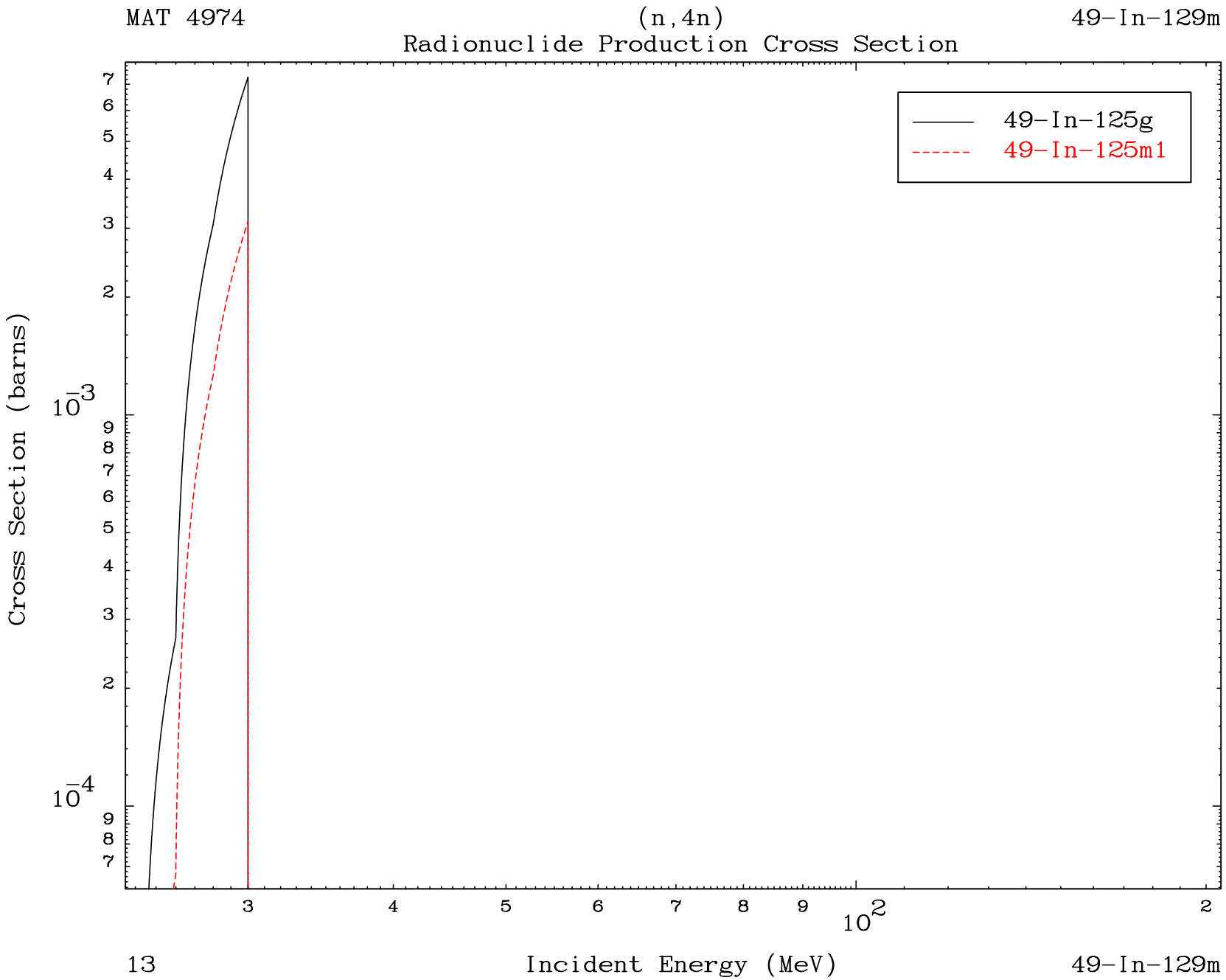

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

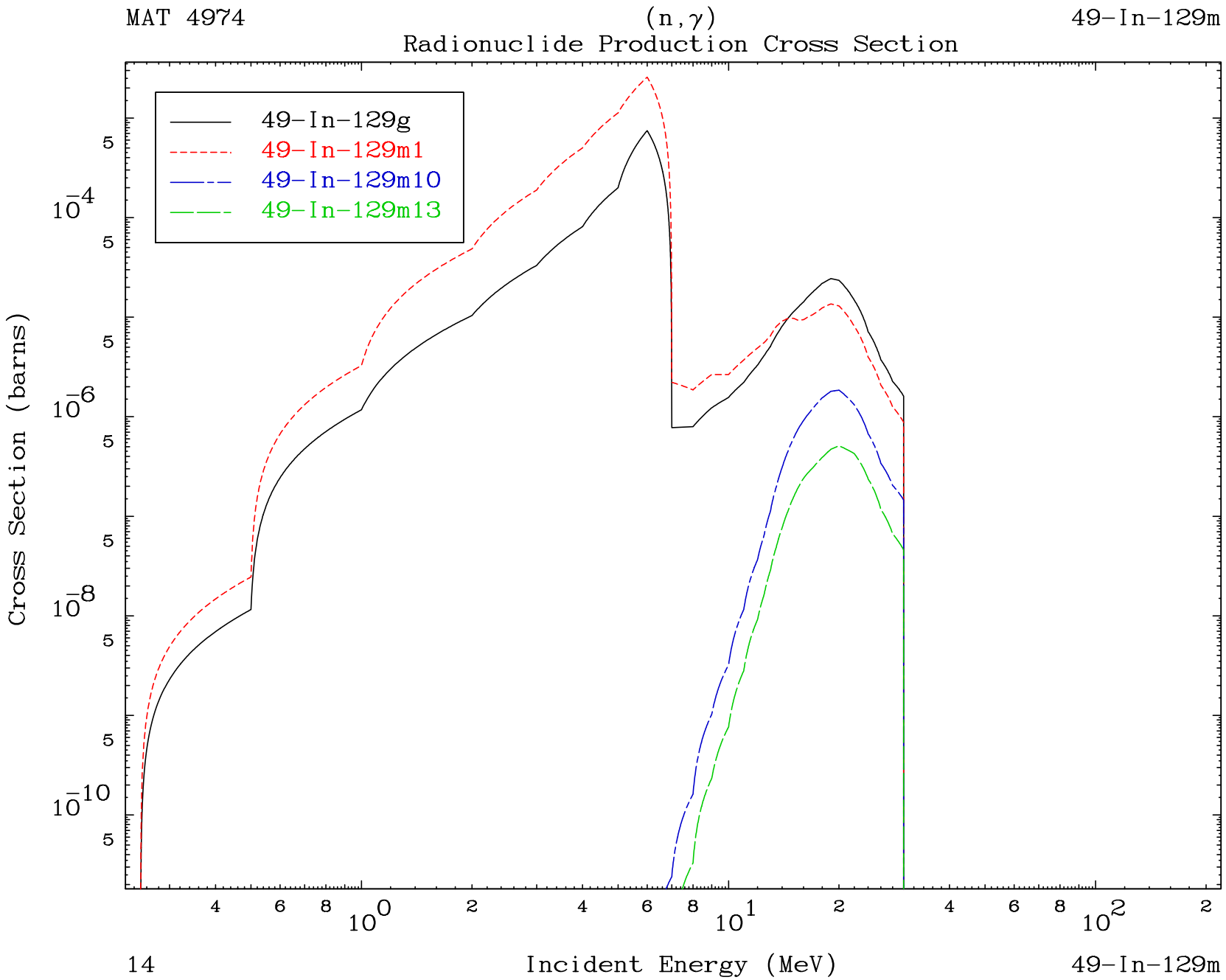

MAT 4974
(γ,α) Levels
49-In-129m
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
Incident Energy (MeV)
49-In-129m


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


MAT 4974
(n,2n)
49-In-129m
Radionuclide Production Cross Section
49-In-127g
49-In-127m1
49-In-127m9
Cross Section (barns)
Incident Energy (MeV)
11
49-In-129m


MAT 4974
(n,3n)
49-In-129m
Radionuclide Production Cross Section
49-In-126g
49-In-126m1
Cross Section (barns)
Incident Energy (MeV)
12
49-In-129m


MAT 4974
(n,4n)
49-In-129m
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
10^-3
10^-4
7
6
5
4
3
2
9
8
7
6
5
4
3
2
9
8
7
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
49-In-129m


MAT 4974
(n,γ)
49-In-129m
Radionuclide Production Cross Section
49-In-129g
49-In-129m1
49-In-129m10
49-In-129m13
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
14
49-In-129m