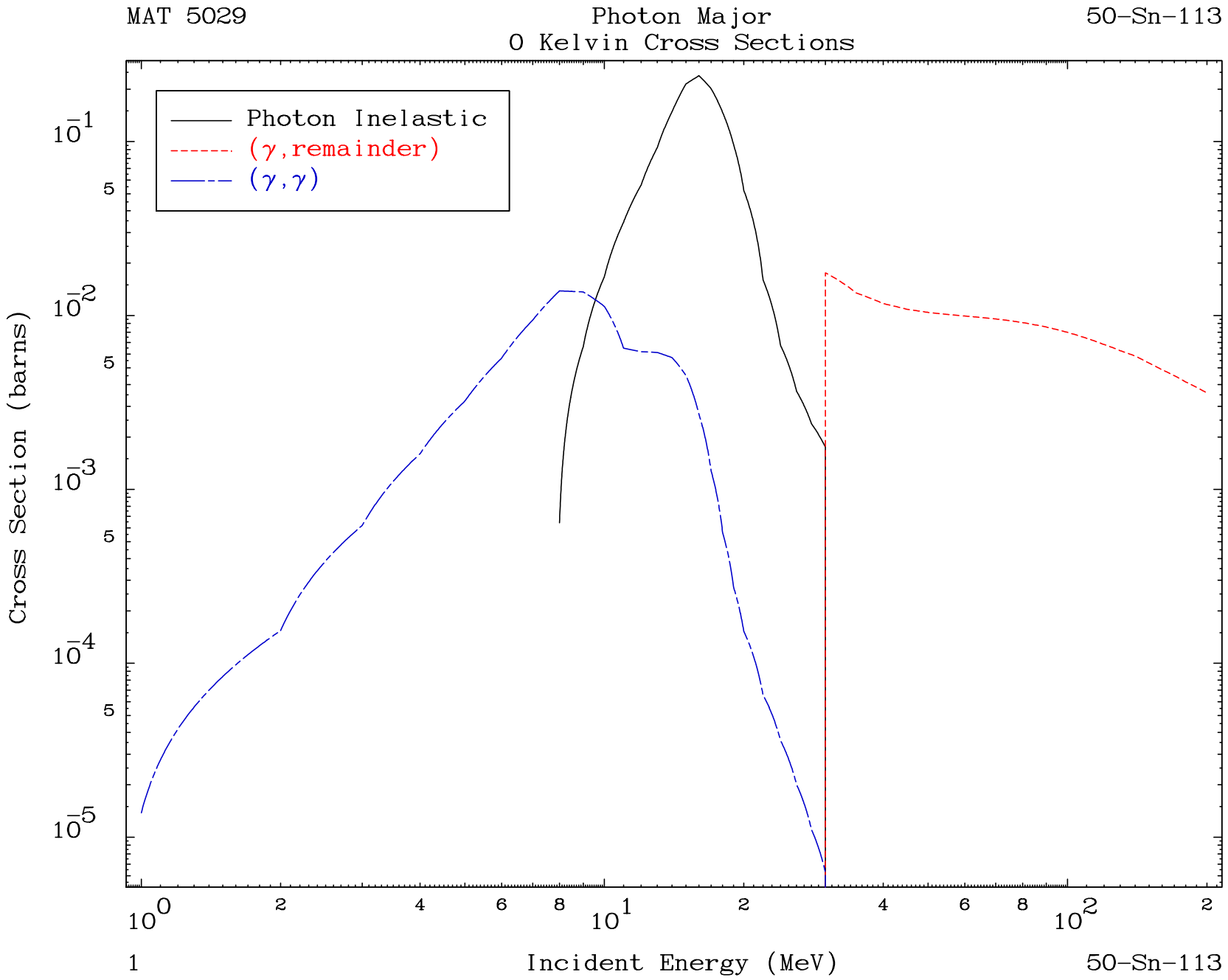
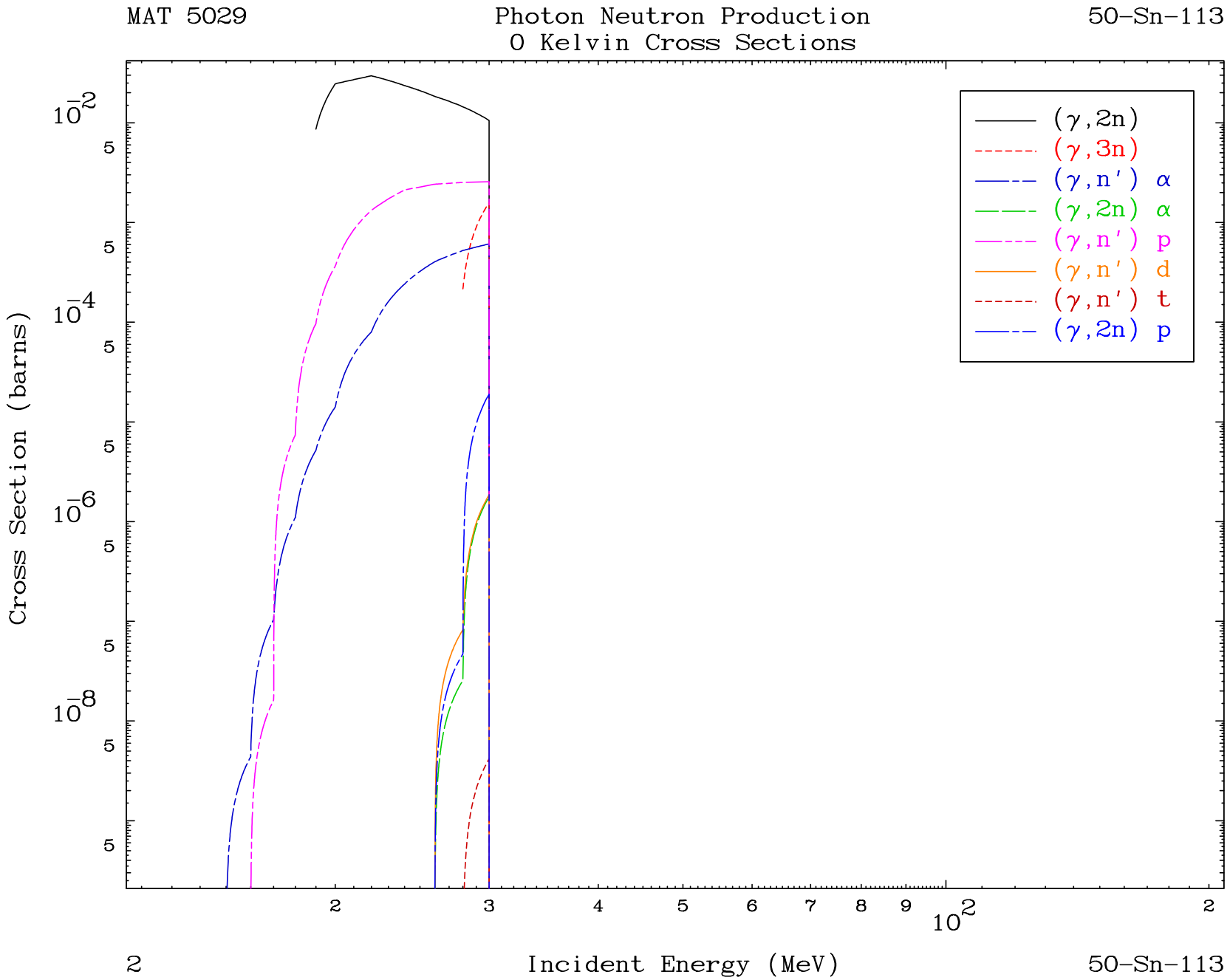
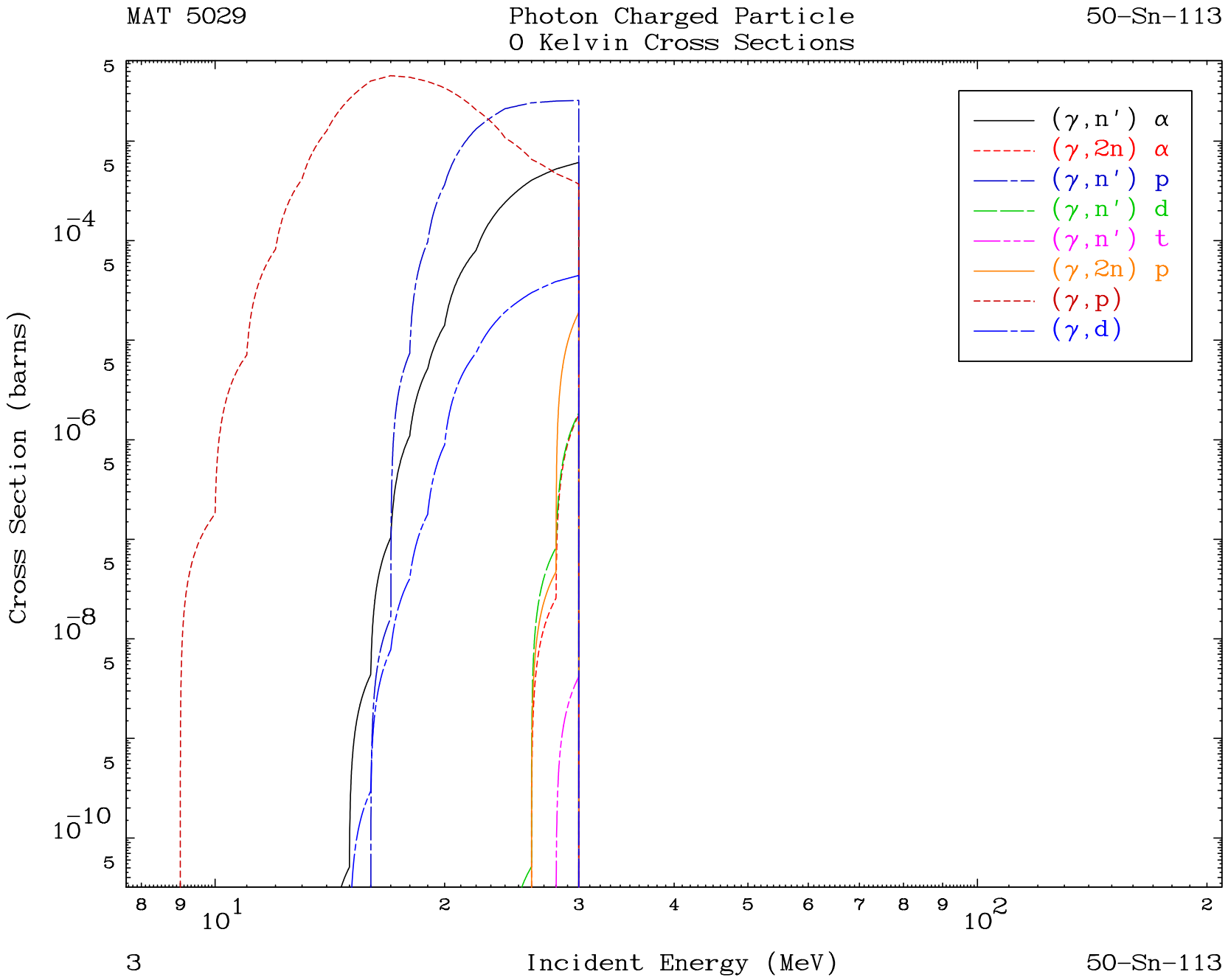
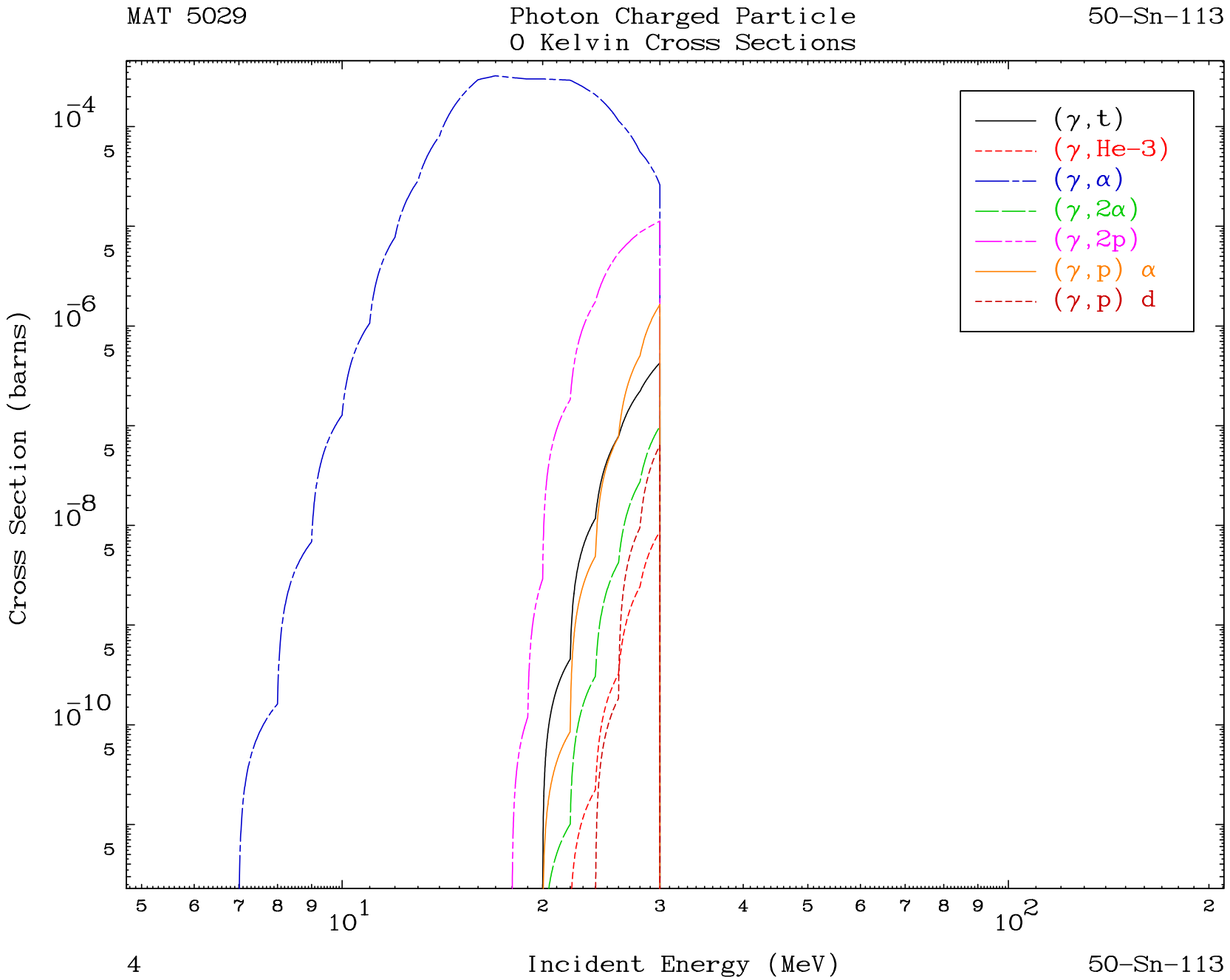
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

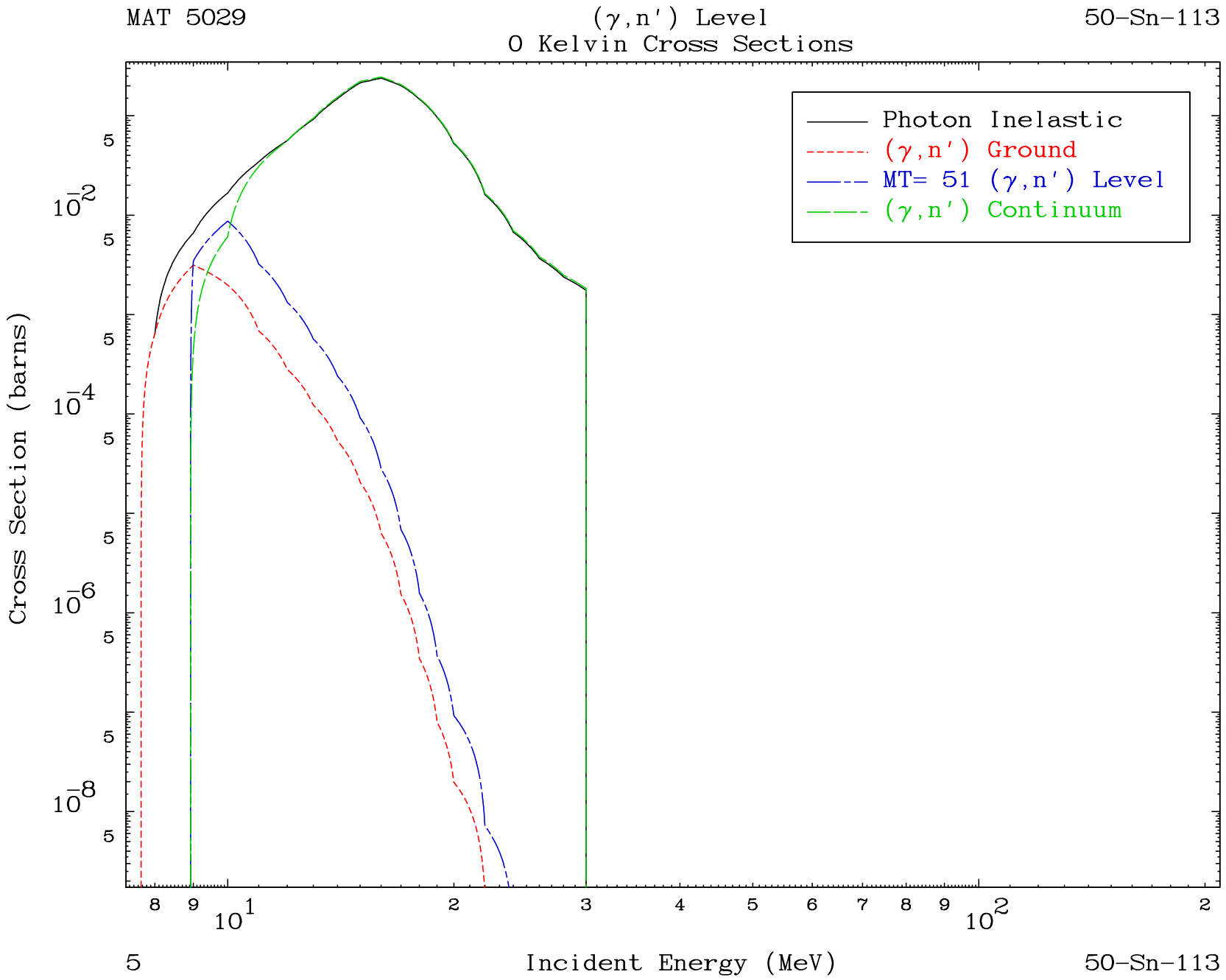
Press Mouse Button to Start

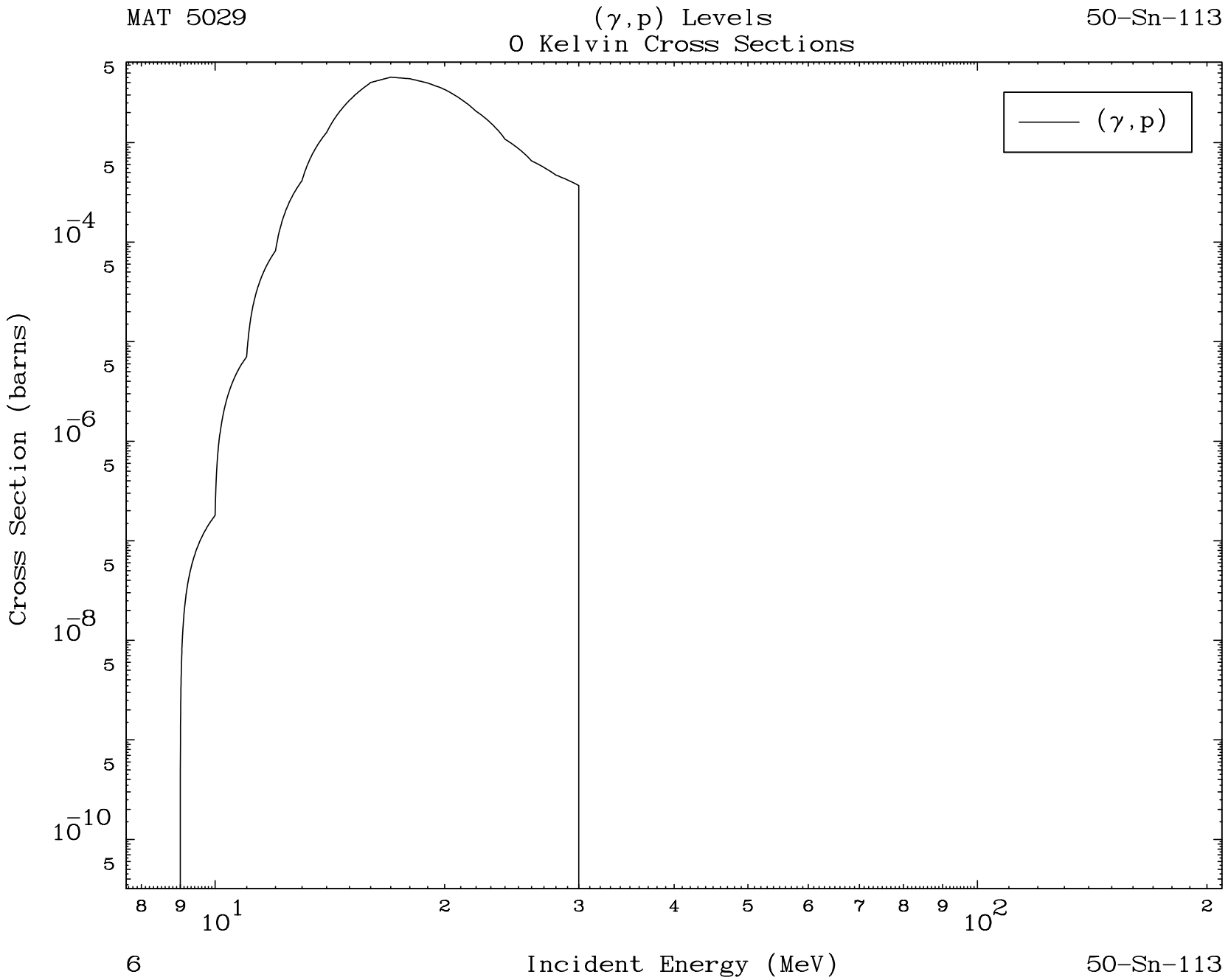

MAT 5029
Photon Major
50-Sn-113
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-113

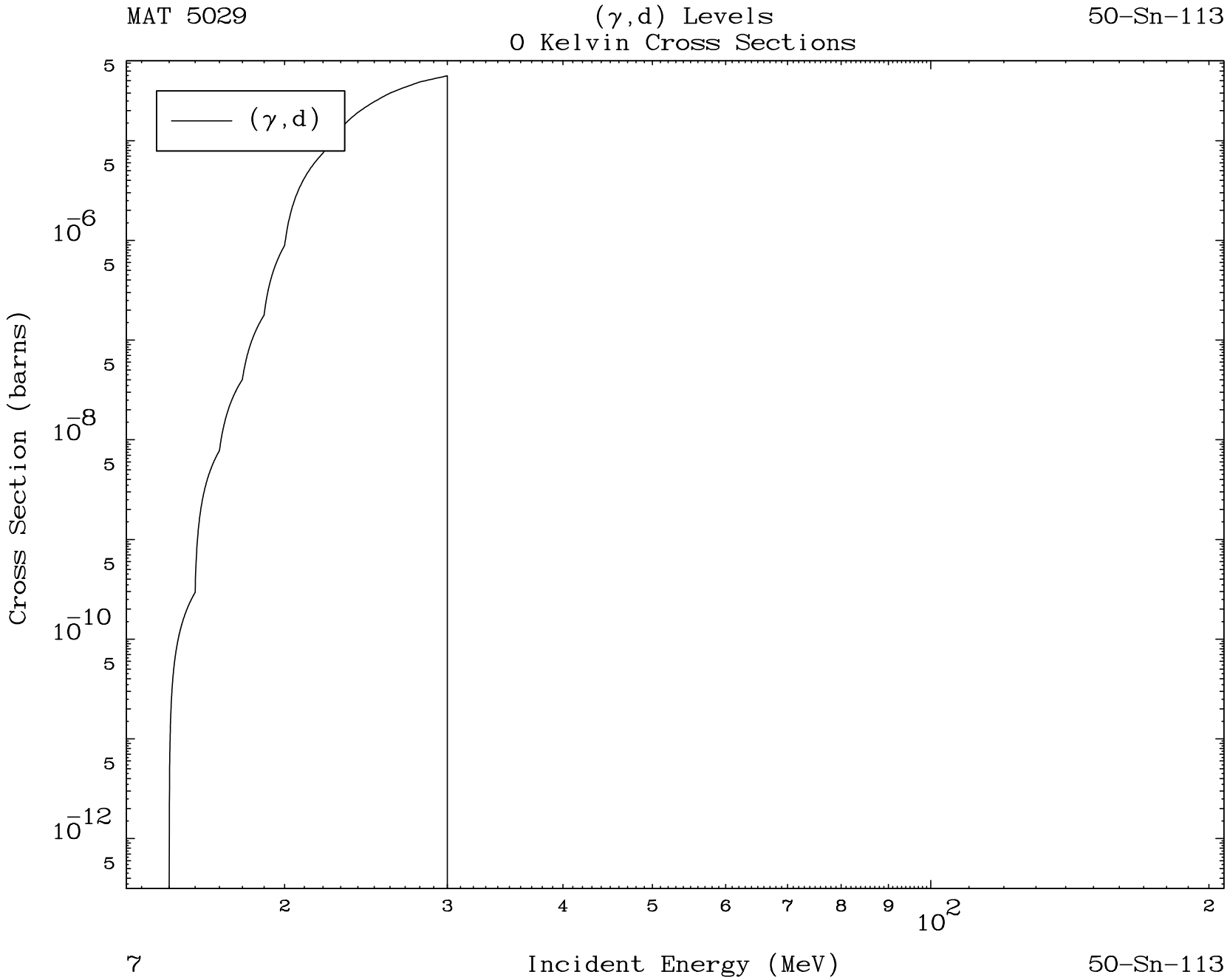

MAT 5029
Photon Neutron Production
0 Kelvin Cross Sections
50-Sn-113
Cross Section (barns)
Incident Energy (MeV)
50-Sn-113
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p

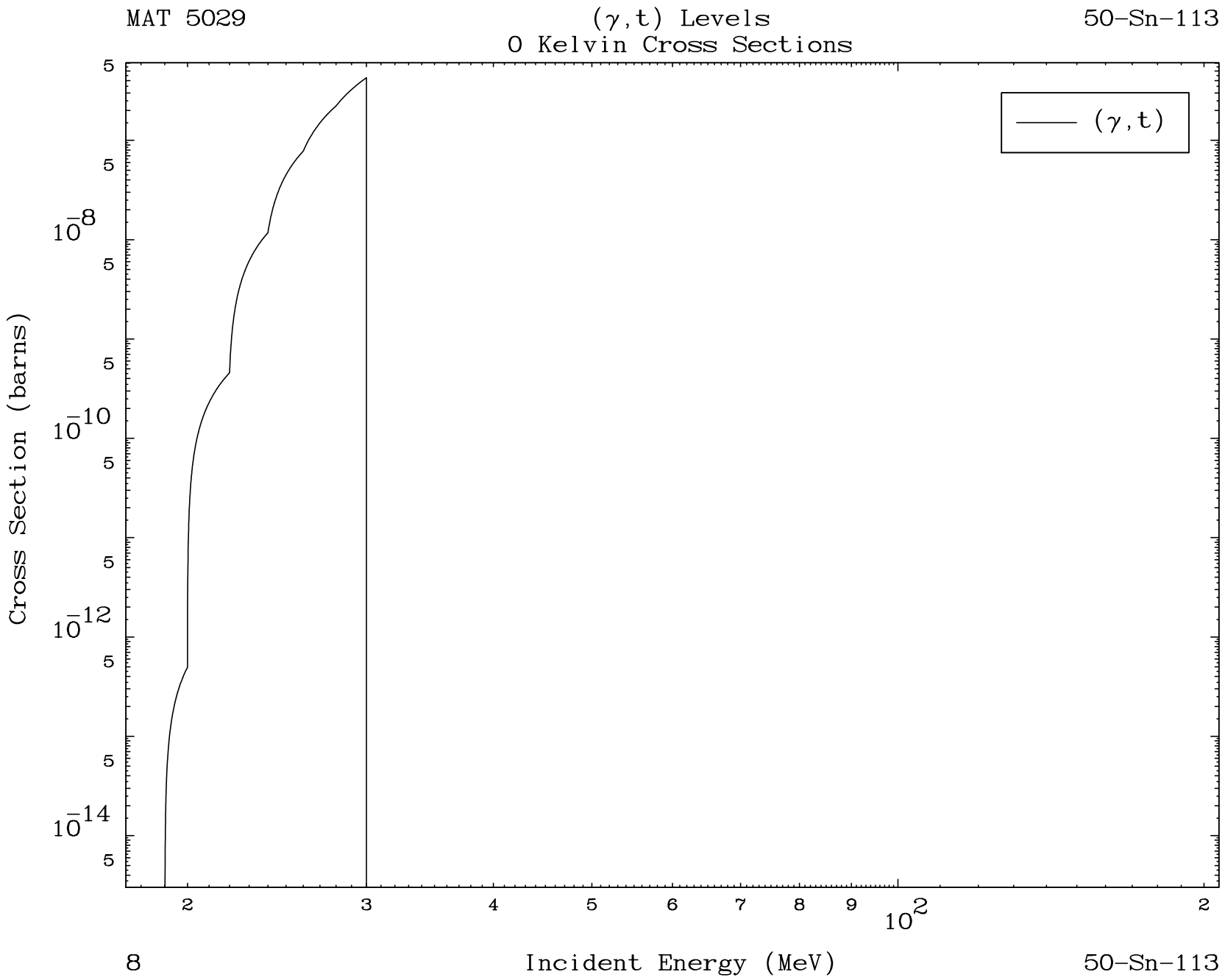

MAT 5029
Photon Charged Particle
0 Kelvin Cross Sections
50-Sn-113
Cross Section (barns)
Incident Energy (MeV)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
3
50-Sn-113


MAT 5029
Photon Charged Particle
0 Kelvin Cross Sections
50-Sn-113
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
Cross Section (barns)
Incident Energy (MeV)
4
50-Sn-113

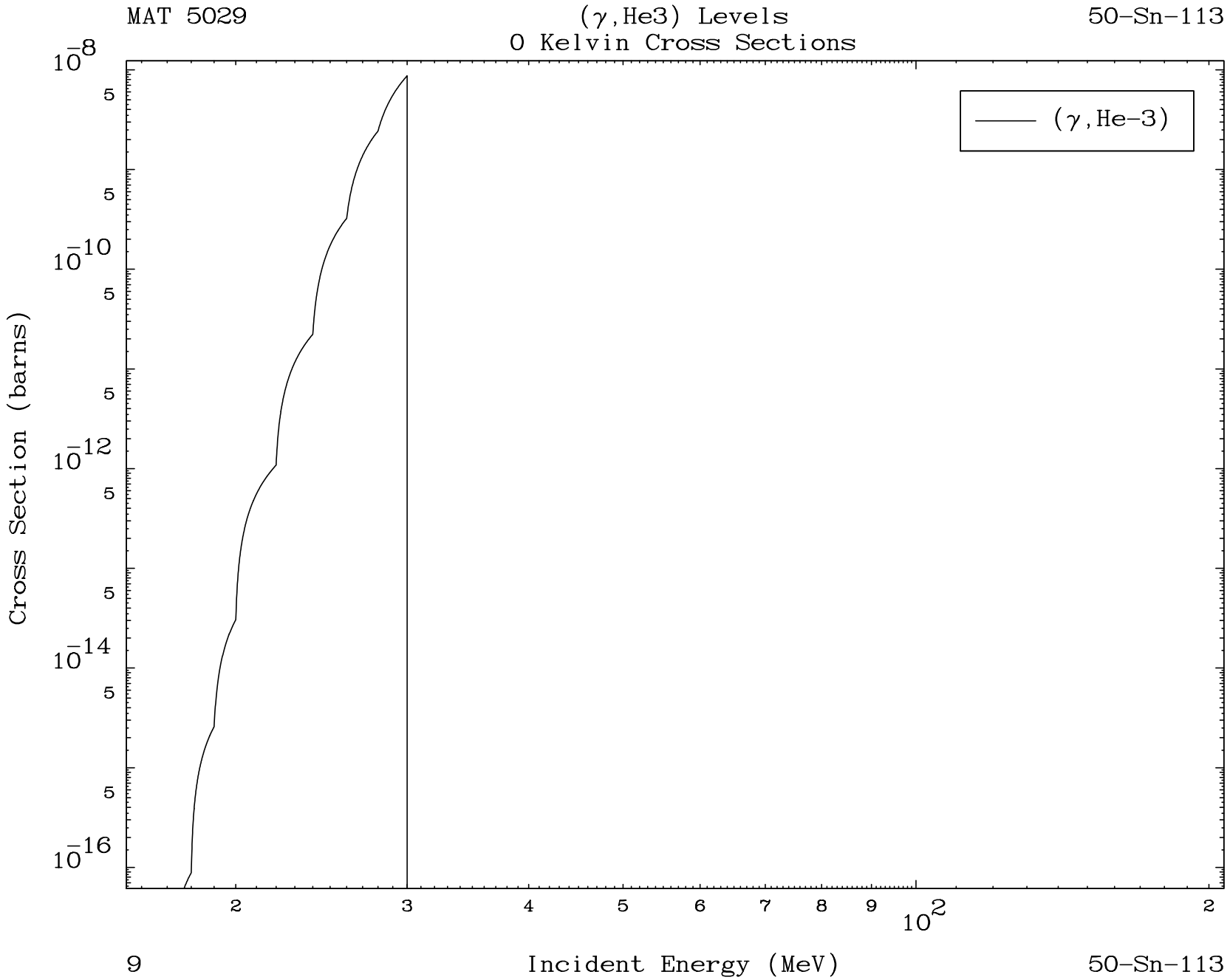

MAT 5029
(γ,n') Level
50-Sn-113
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
50-Sn-113

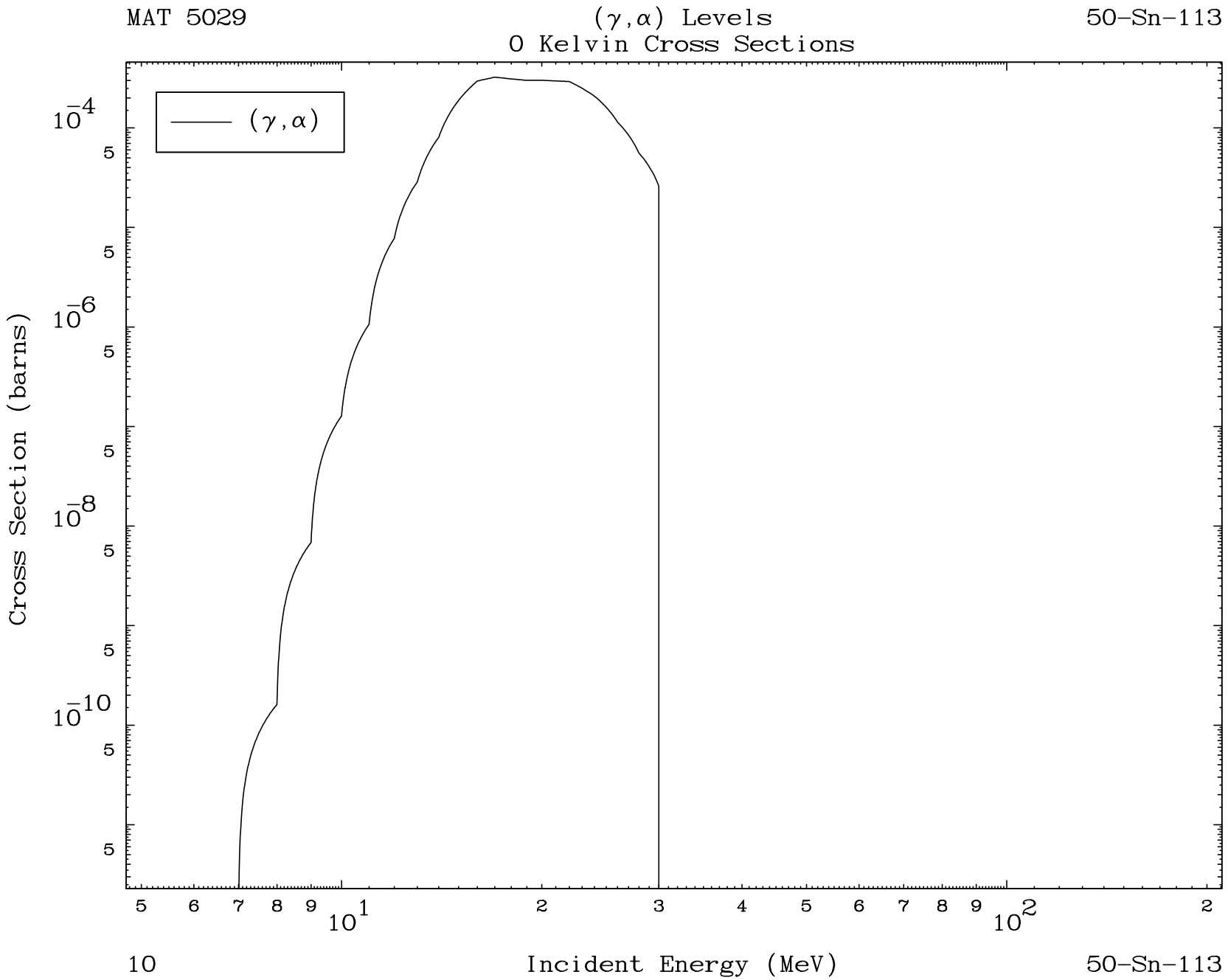

MAT 5029
(γ,p) Levels
50-Sn-113
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
6
50-Sn-113

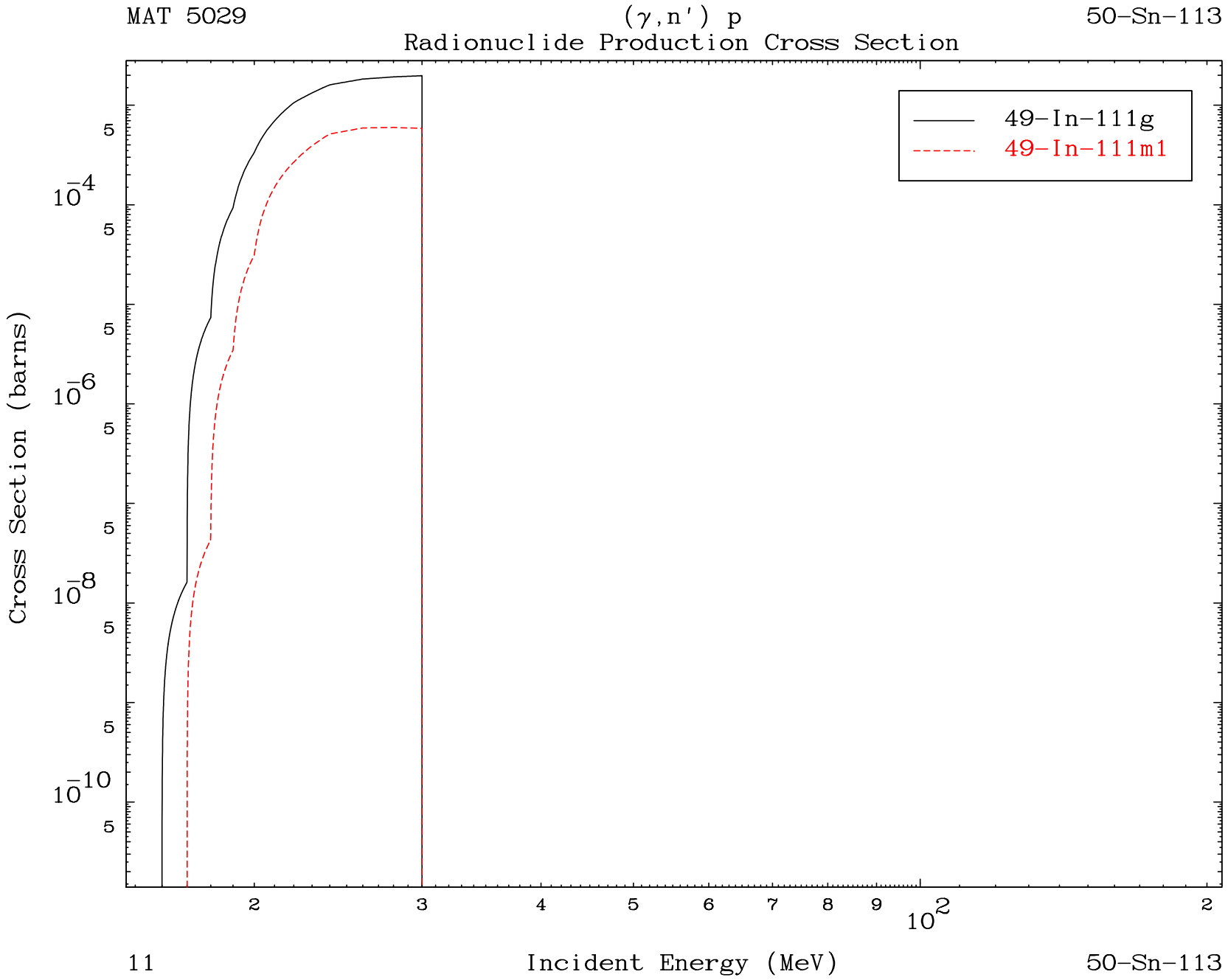

MAT 5029
(γ,d) Levels
50-Sn-113
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
50-Sn-113

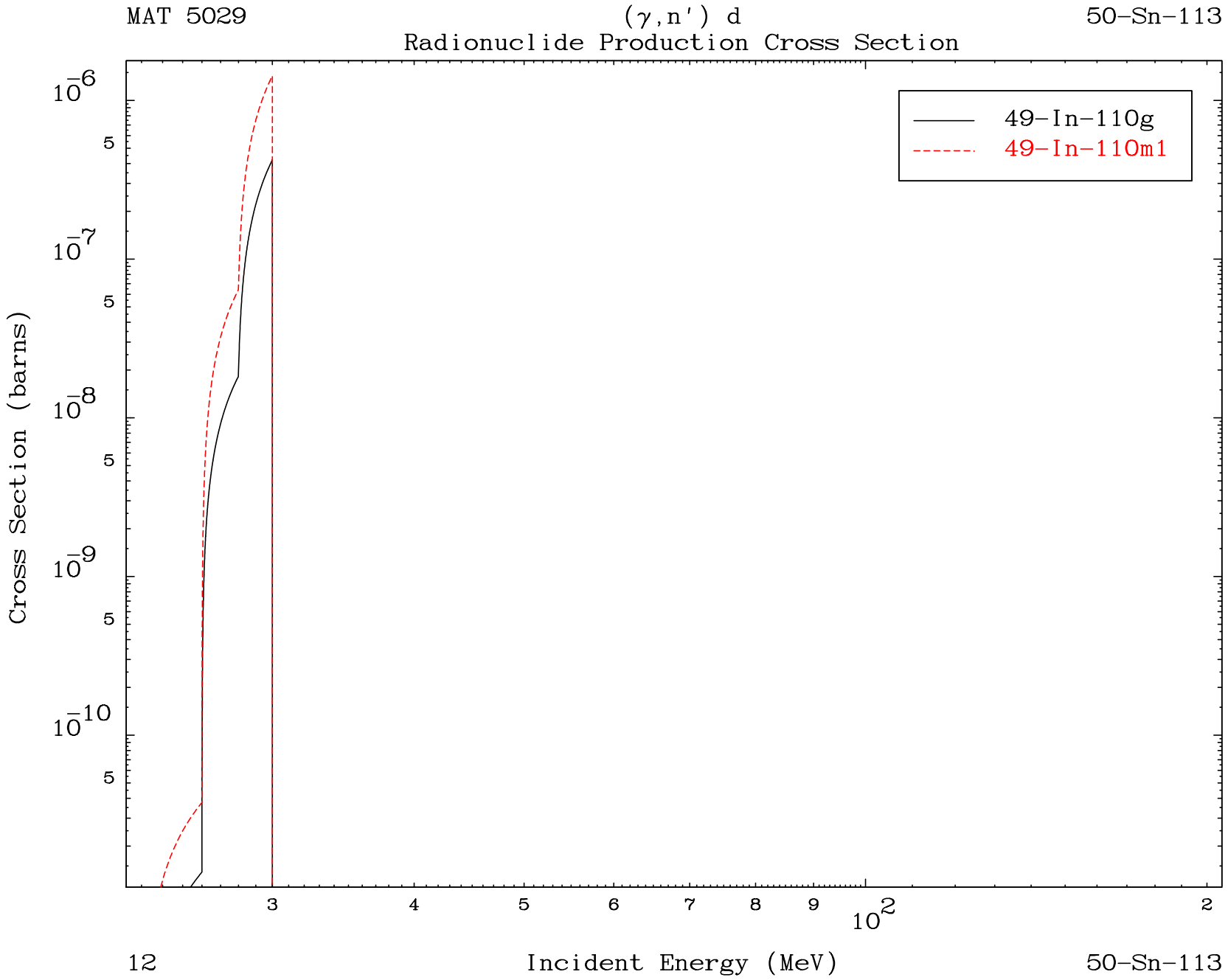

MAT 5029
(γ,t) Levels
50-Sn-113
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

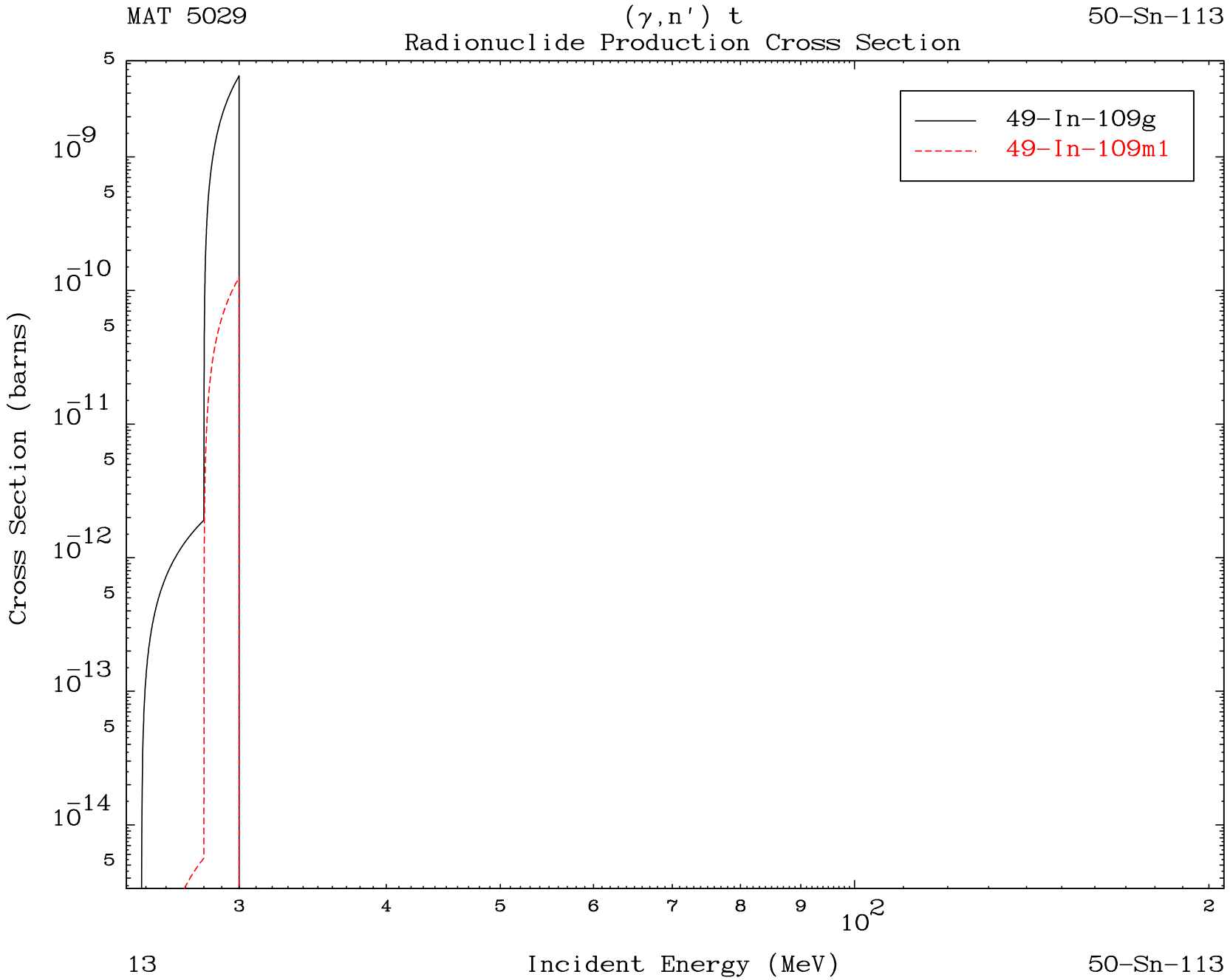
50-Sn-113

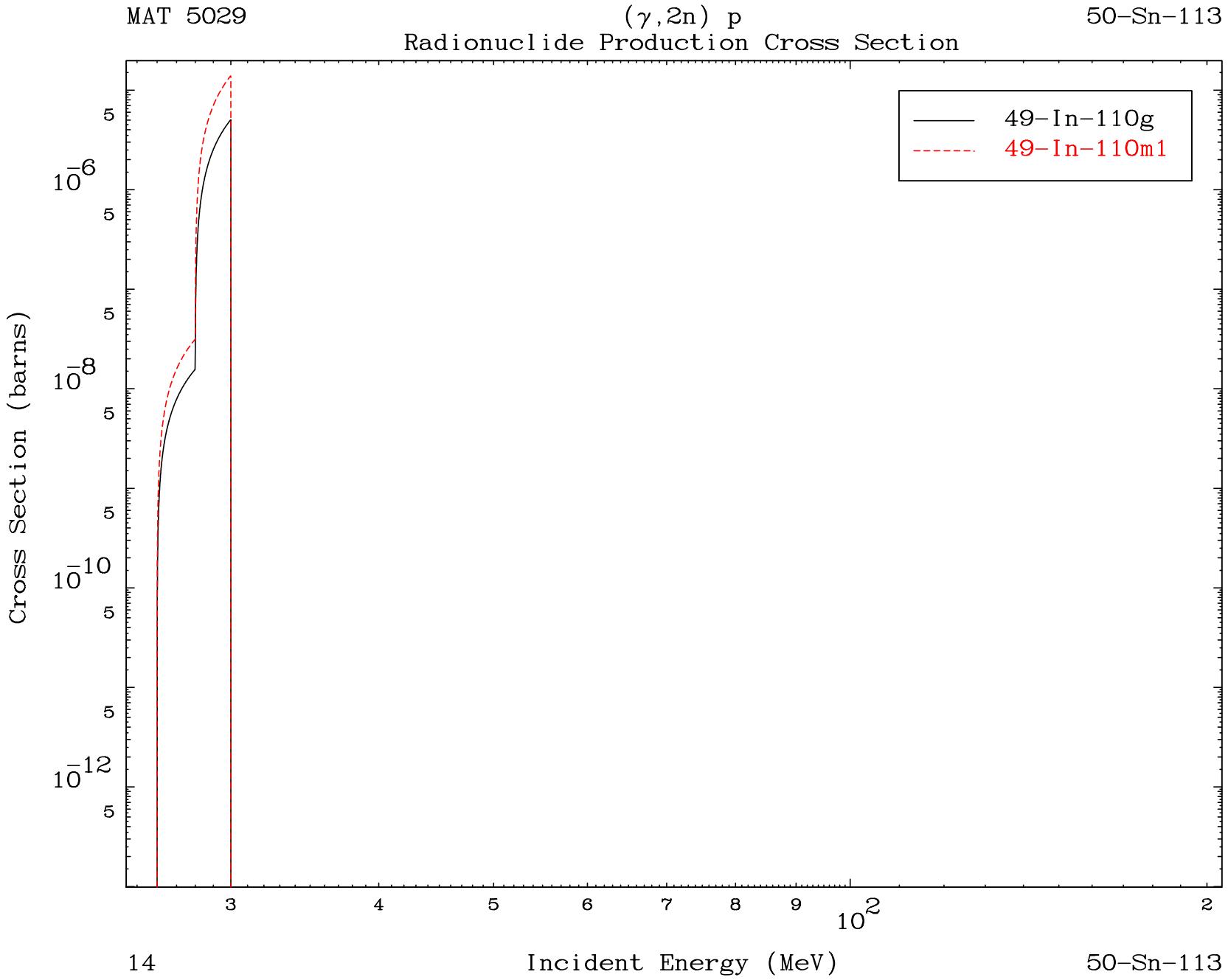

MAT 5029
(γ,He3) Levels
50-Sn-113
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
10-16
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
9
50-Sn-113

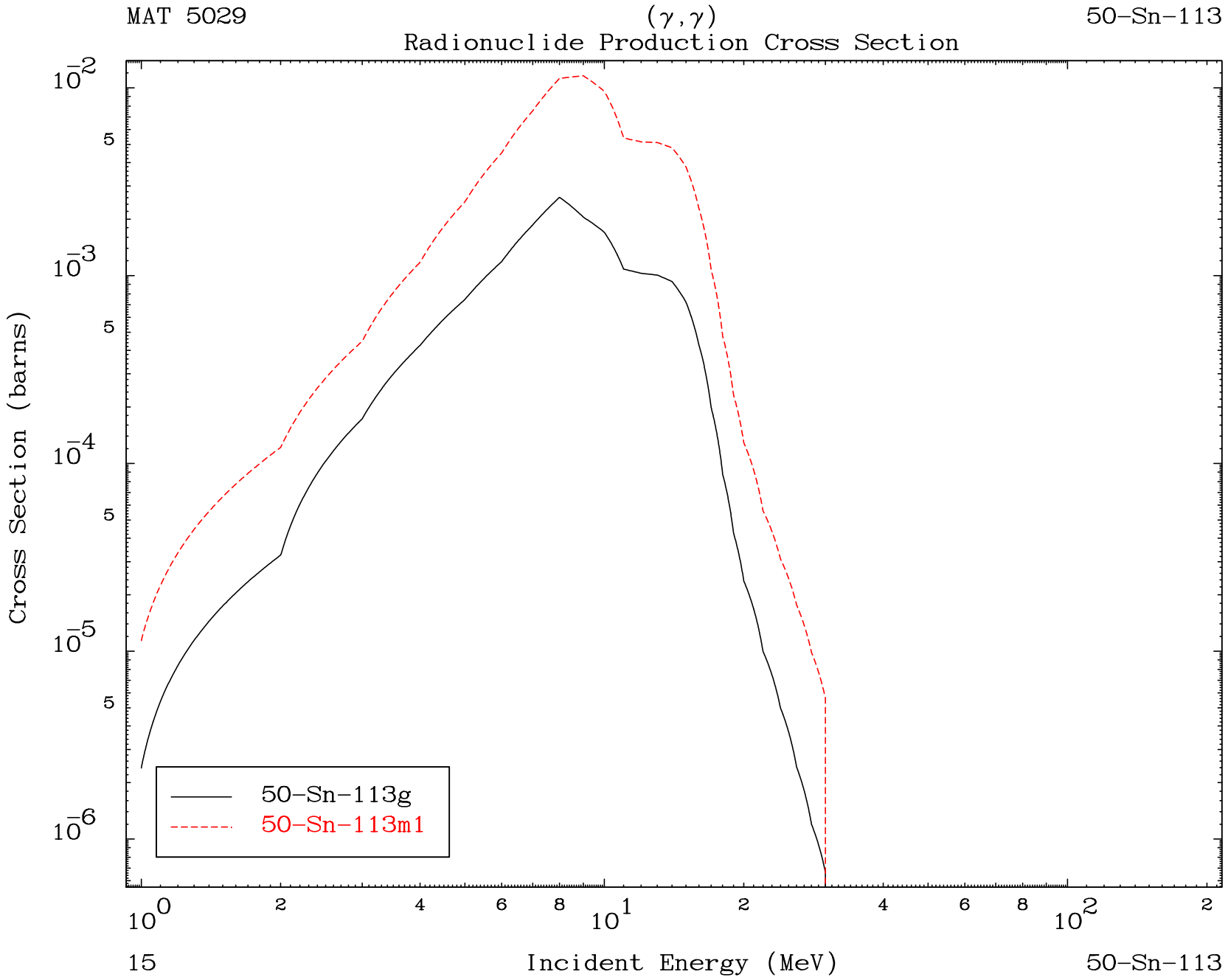

MAT 5029
(γ,α) Levels
50-Sn-113
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
5
5
5
5
5
5
10^1
10^2
2
3
4
5
6
7
8
9
2
10
Incident Energy (MeV)
50-Sn-113

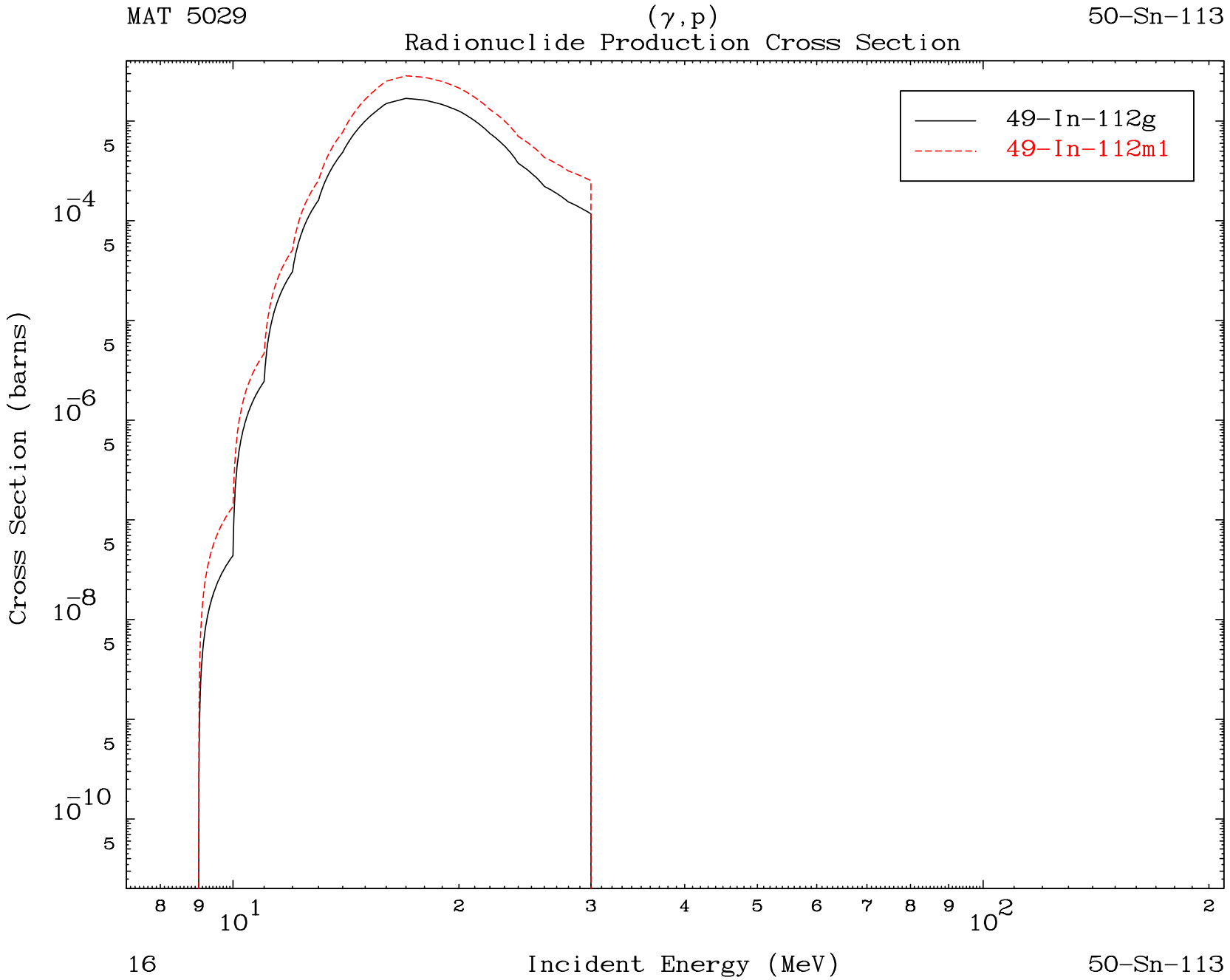

MAT 5029
(γ,n') p
50-Sn-113
Radionuclide Production Cross Section
49-In-111g
49-In-111m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
50-Sn-113

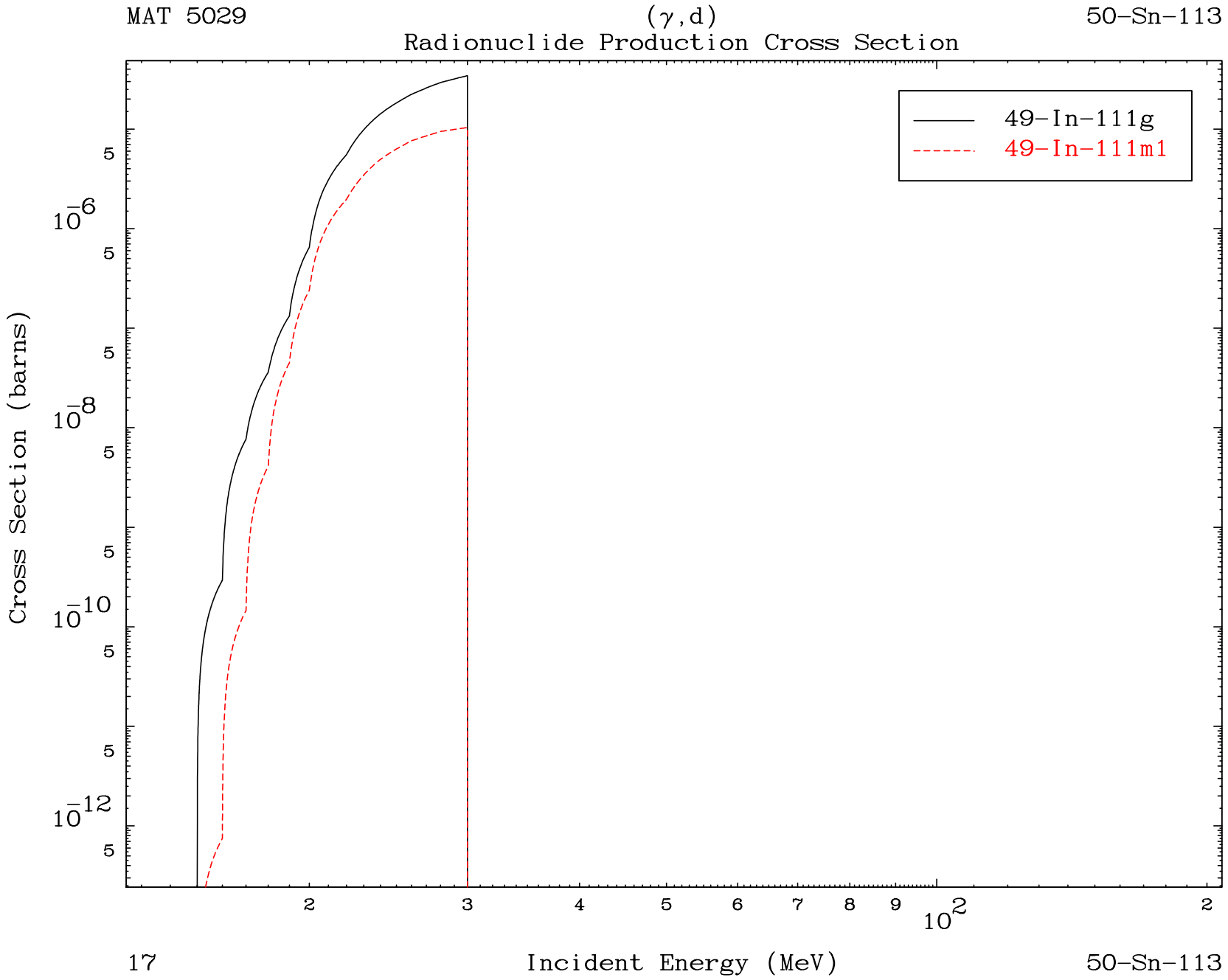

MAT 5029
(γ,n') d
50-Sn-113
Radionuclide Production Cross Section
49-In-110g
49-In-110m1
Cross Section (barns)
10-6
10-7
10-8
10-9
10-10
5
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
50-Sn-113

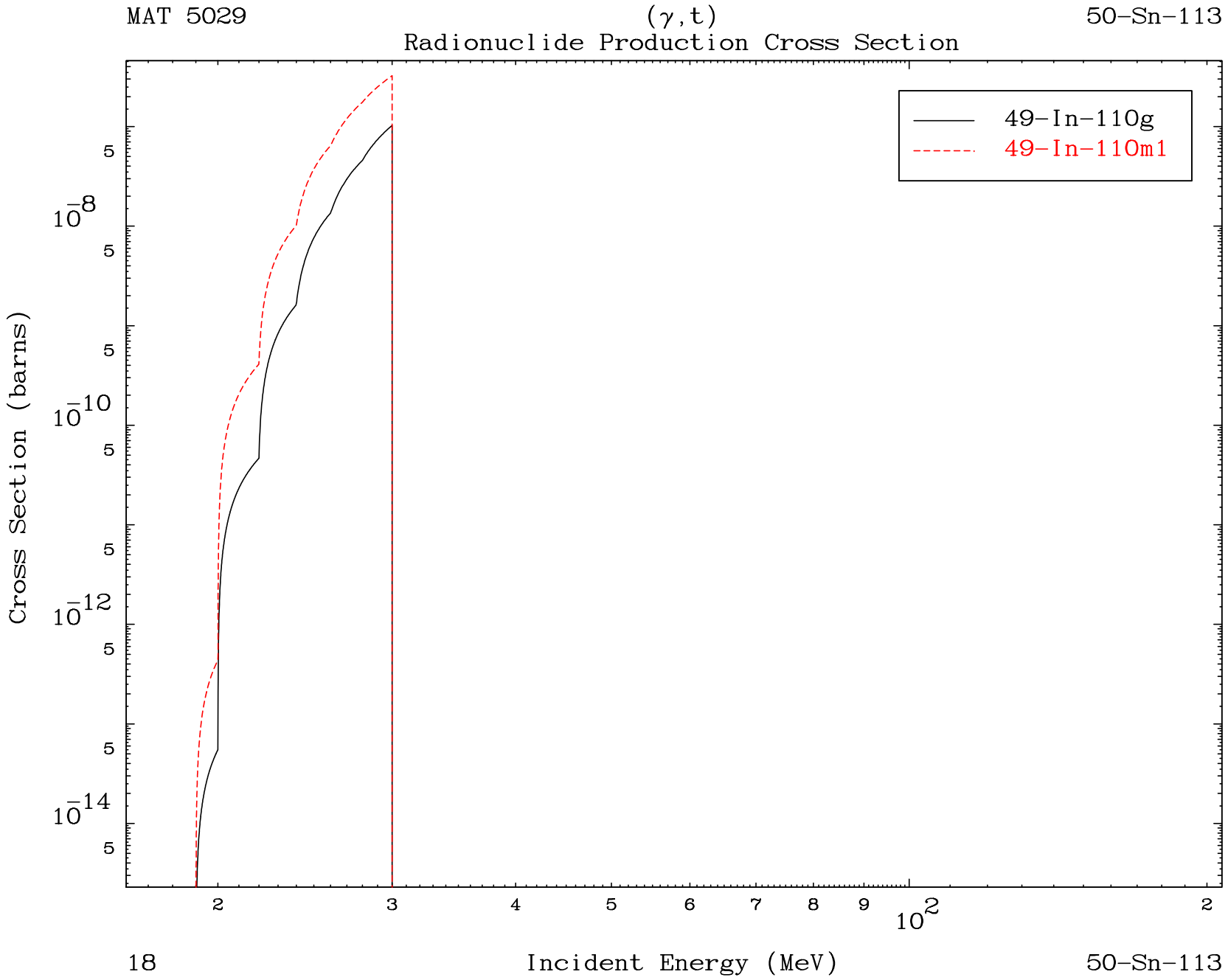

MAT 5029
(γ,n') t
50-Sn-113
Radionuclide Production Cross Section
49-In-109g
49-In-109m1
Cross Section (barns)
10^-9
10^-10
10^-11
10^-12
10^-13
10^-14
5
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
50-Sn-113

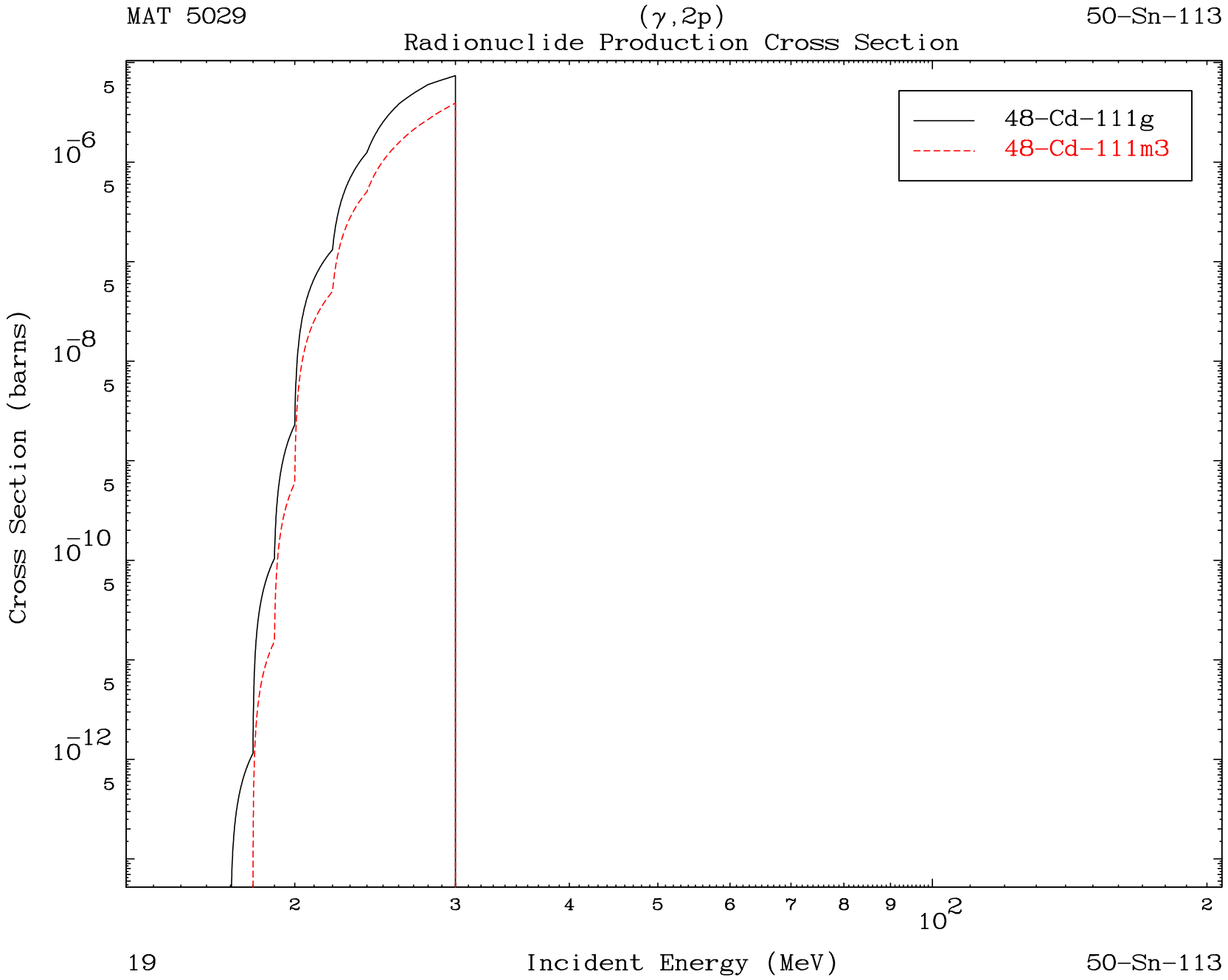

MAT 5029
(γ,2n) p
50-Sn-113
Radionuclide Production Cross Section
49-In-110g
49-In-110m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
50-Sn-113

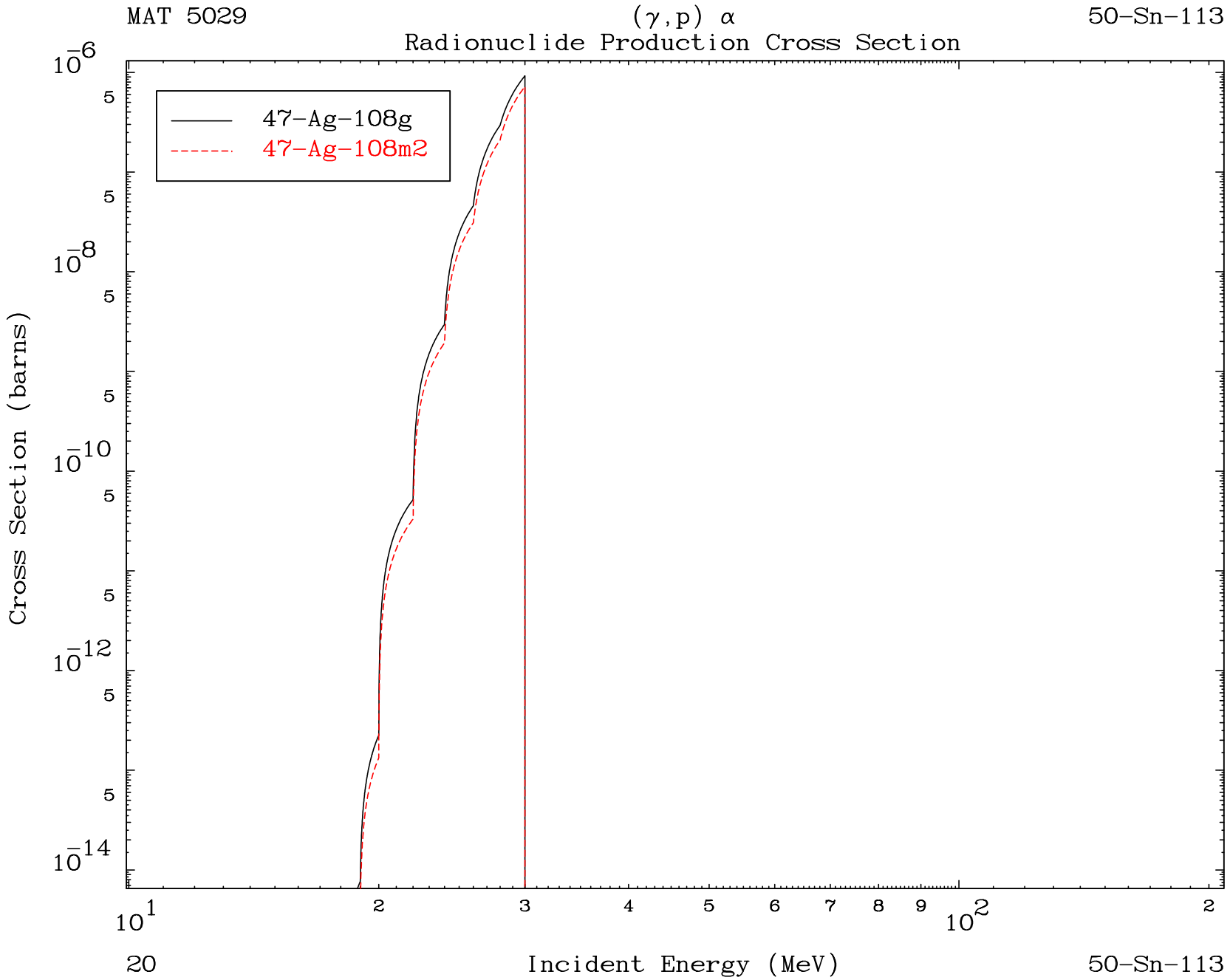

MAT 5029
(γ,γ)
50-Sn-113
Radionuclide Production Cross Section
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
10-6
50-Sn-113g
50-Sn-113m1
100
2
4
6
8
101
2
4
6
8
102
2
Incident Energy (MeV)
15
50-Sn-113


MAT 5029
(γ,p)
50-Sn-113
Radionuclide Production Cross Section
49-In-112g
49-In-112m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
16
50-Sn-113


MAT 5029
(γ,d)
50-Sn-113
Radionuclide Production Cross Section
49-In-111g
49-In-111m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
50-Sn-113


MAT 5029
(γ,t)
50-Sn-113
Radionuclide Production Cross Section
49-In-110g
49-In-110m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
50-Sn-113


MAT 5029
(γ,2p)
50-Sn-113
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
50-Sn-113


MAT 5029
(γ,p) α
50-Sn-113
Radionuclide Production Cross Section
47-Ag-108g
47-Ag-108m2
Cross Section (barns)
Incident Energy (MeV)
20
50-Sn-113