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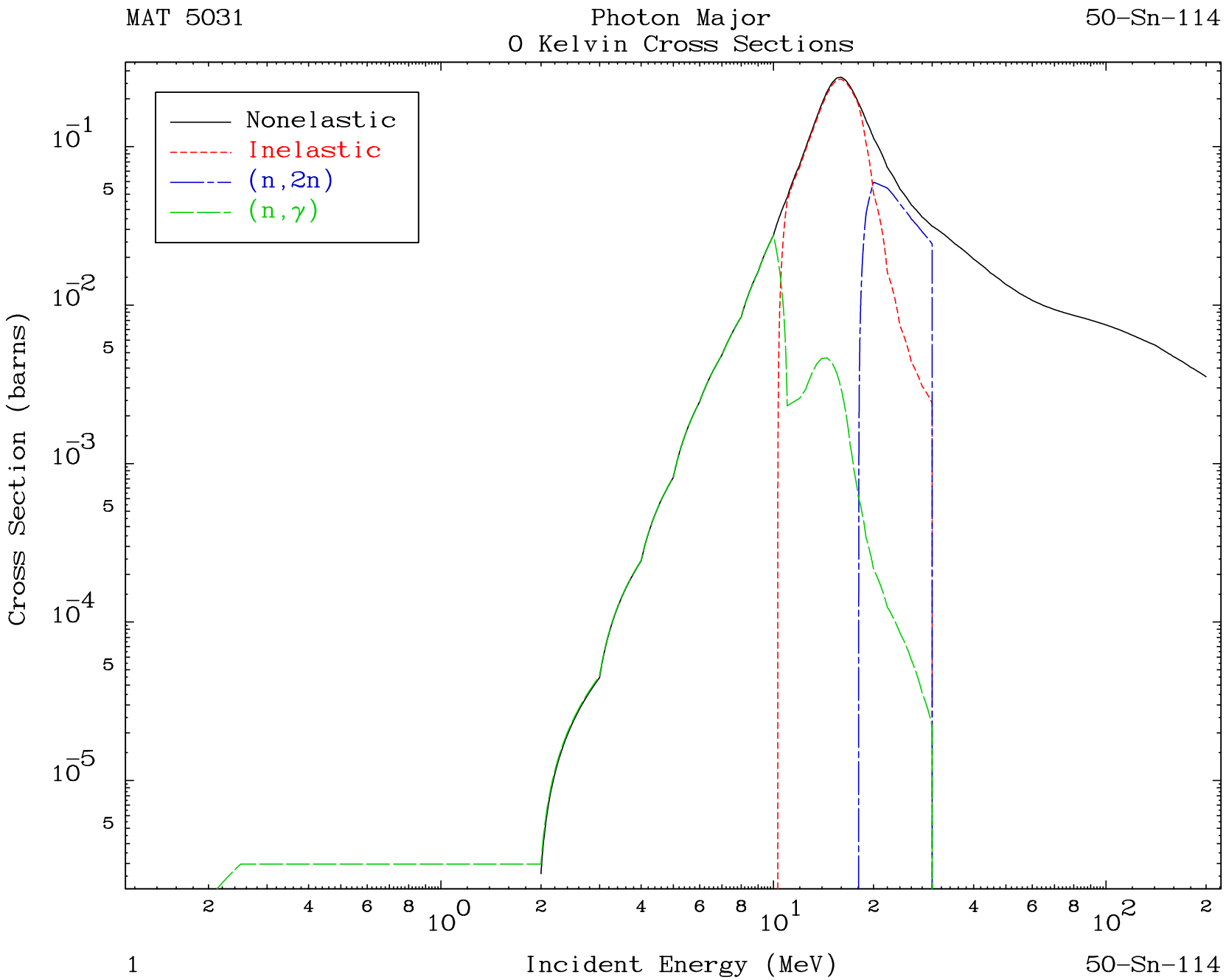
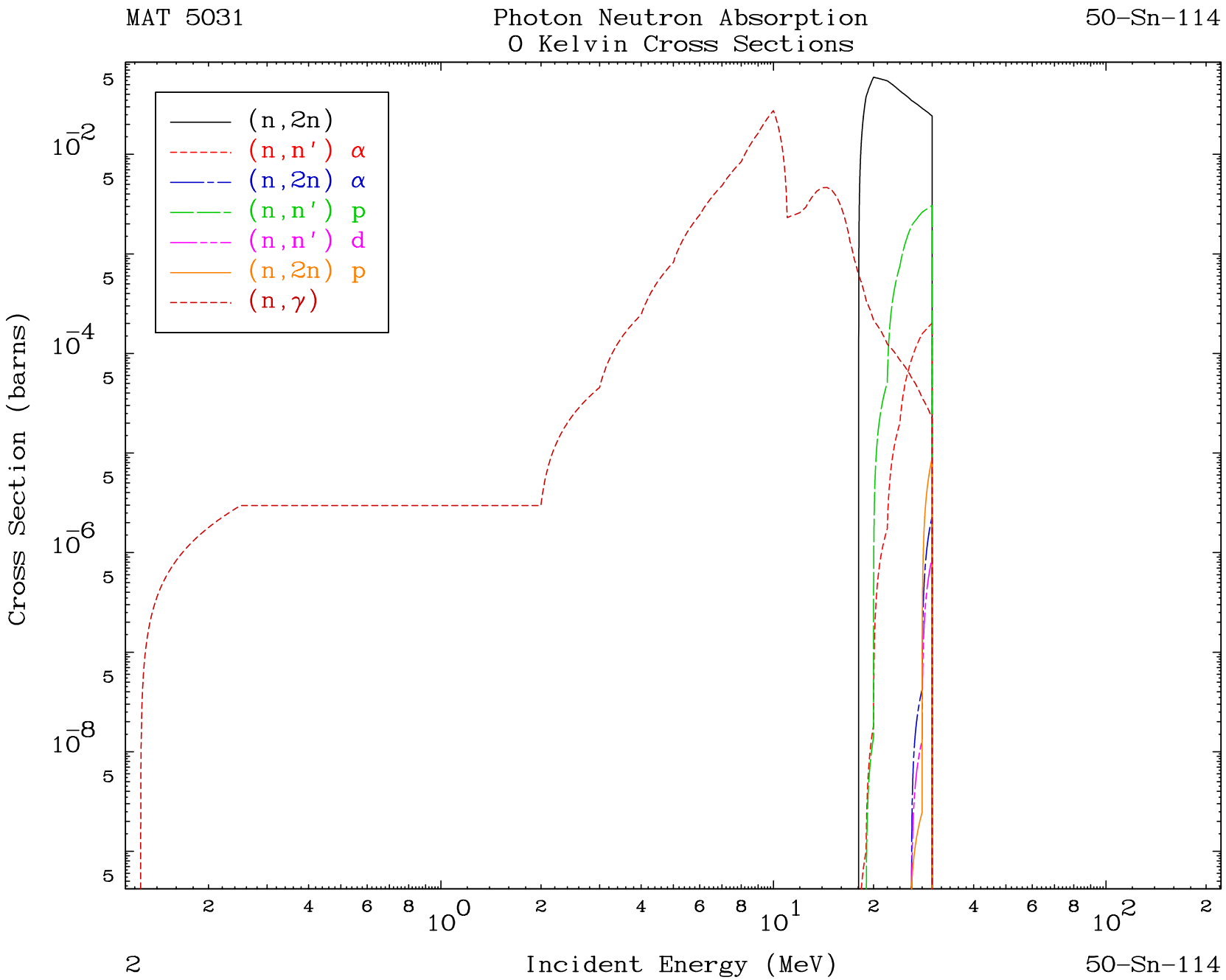
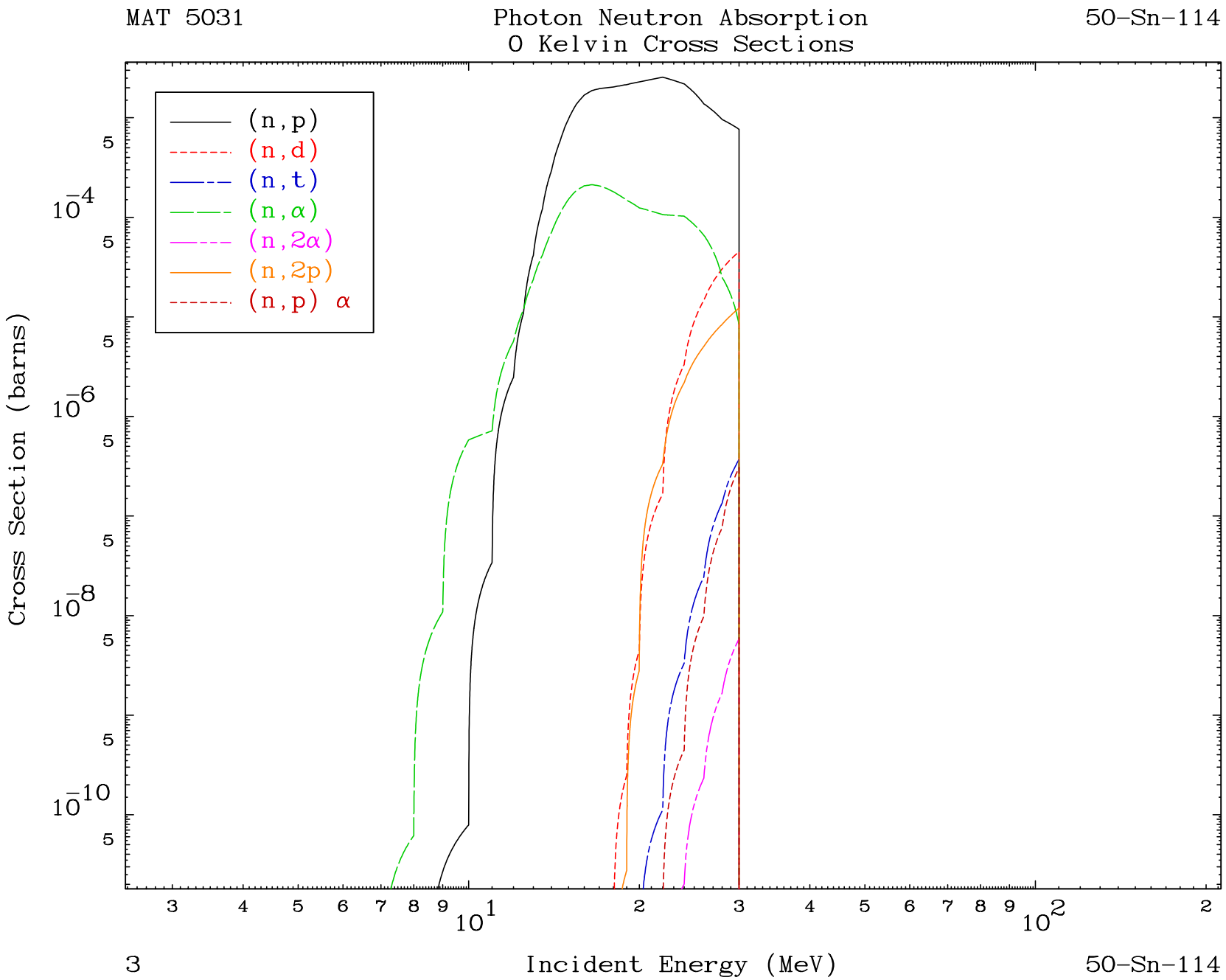
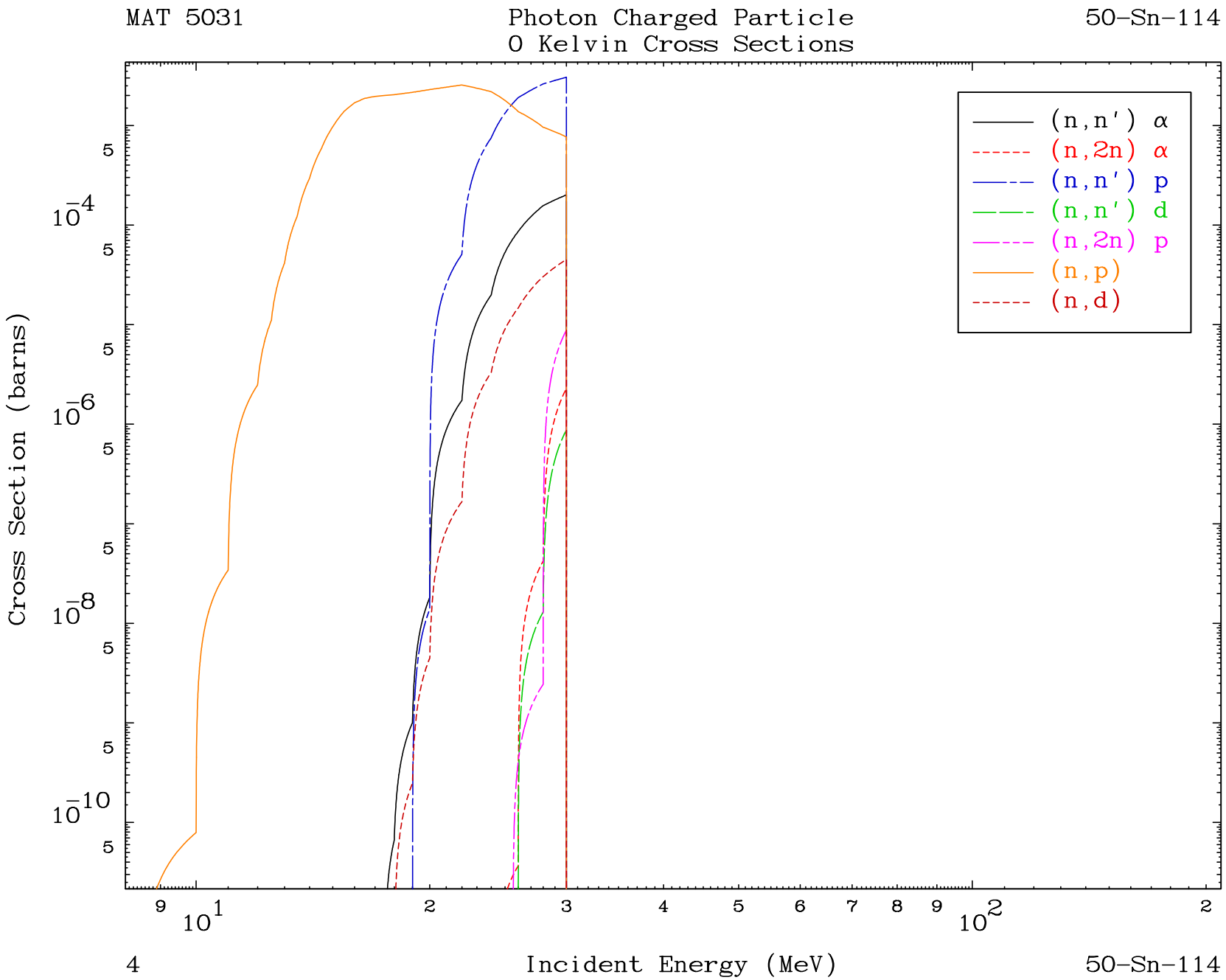
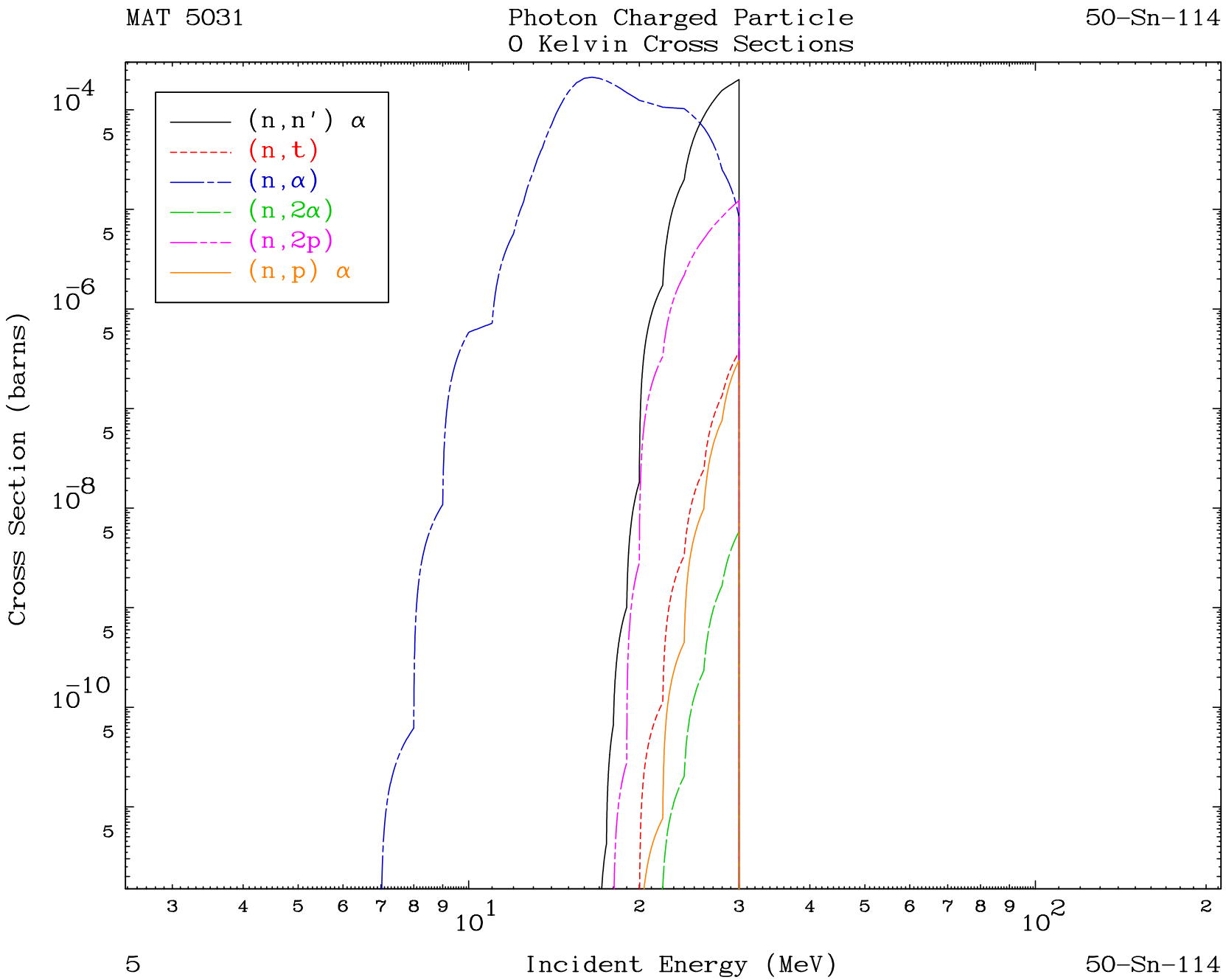
Press Mouse Button to Start

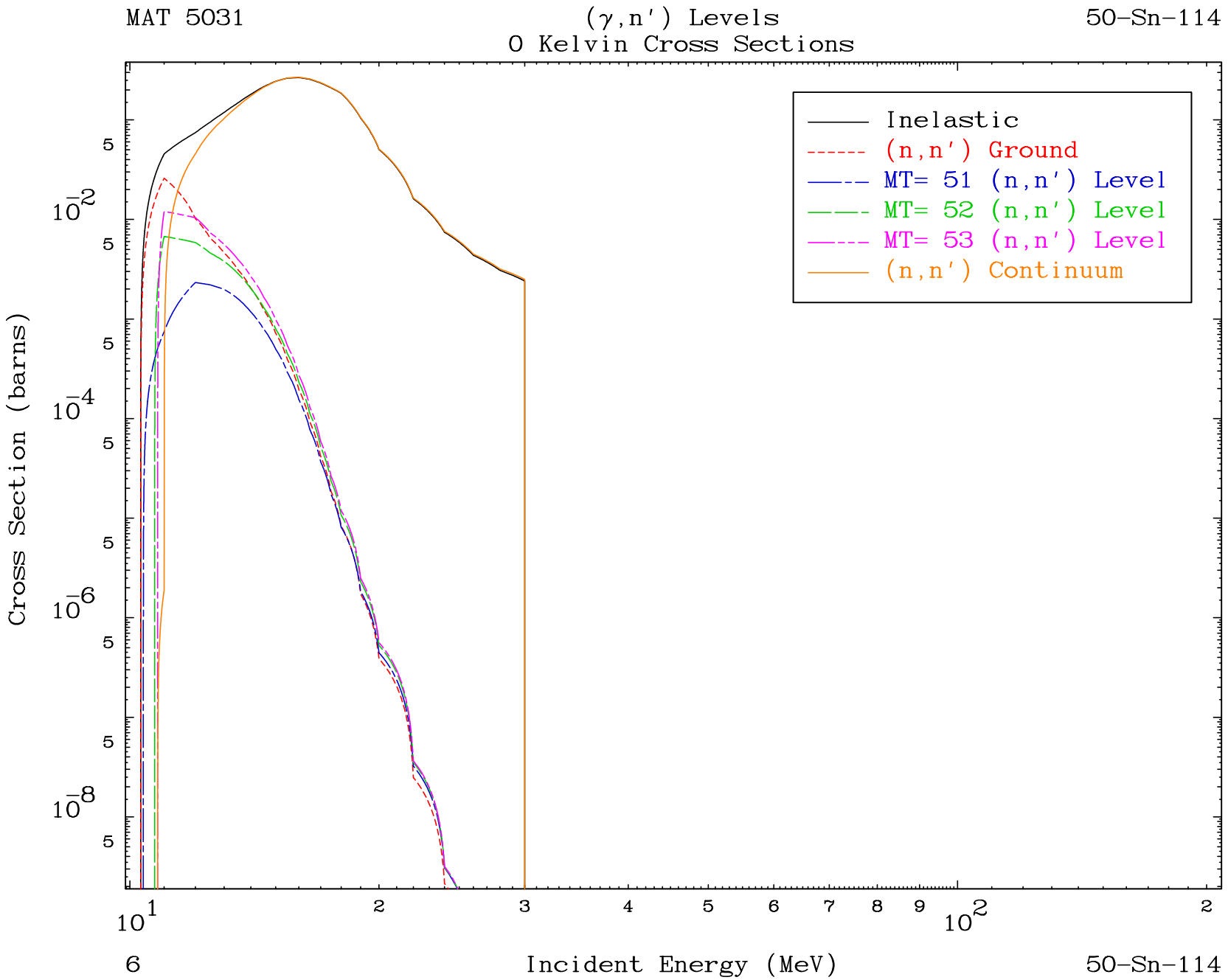

MAT 5031
Photon Major
50-Sn-114
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-114
1

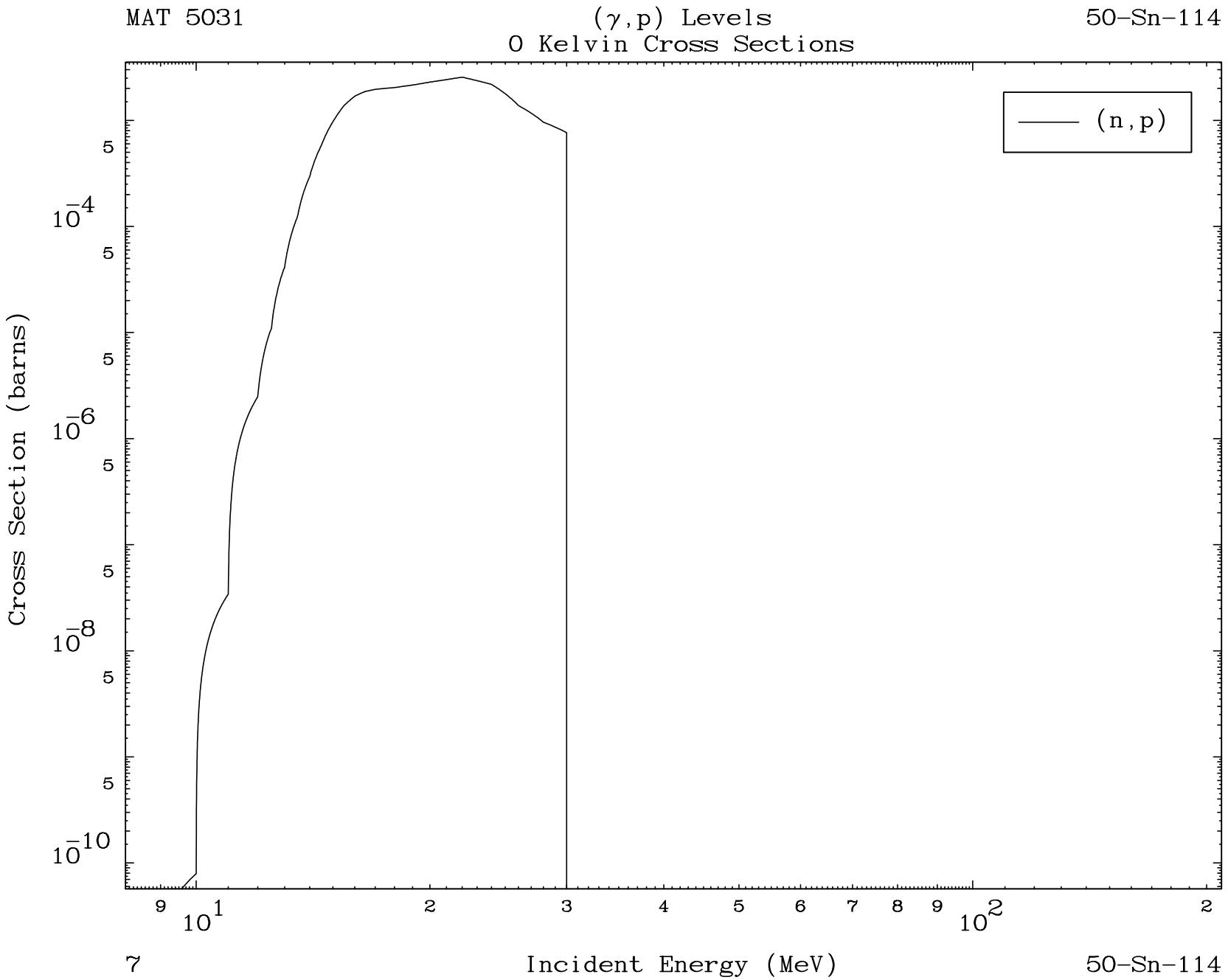

MAT 5031
Photon Neutron Absorption
0 Kelvin Cross Sections
50-Sn-114
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,2n) p
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-114
2

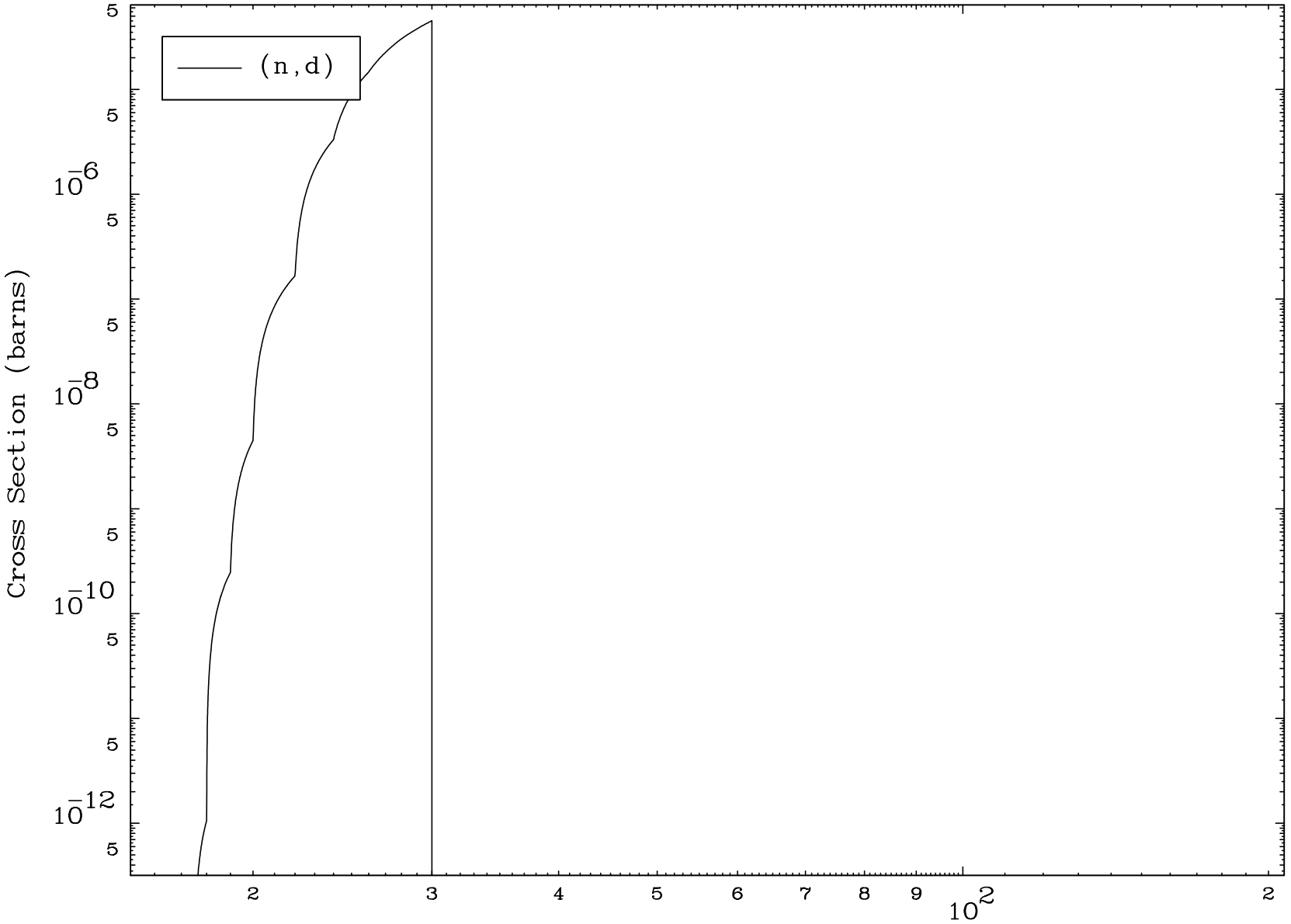

MAT 5031
Photon Neutron Absorption
0 Kelvin Cross Sections
50-Sn-114
(n,p)
(n,d)
(n,t)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-114

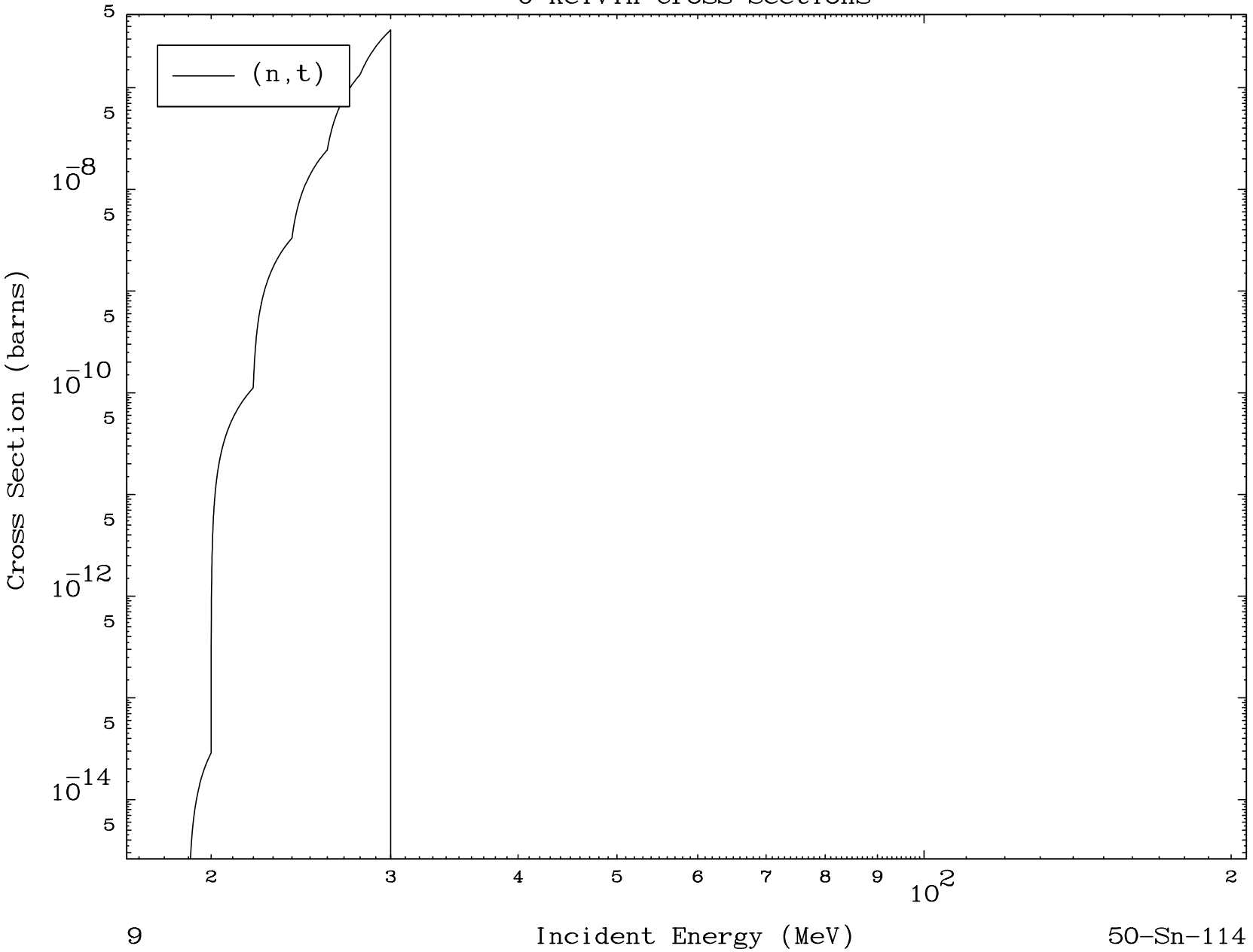

MAT 5031
Photon Charged Particle
0 Kelvin Cross Sections
50-Sn-114
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-114
4

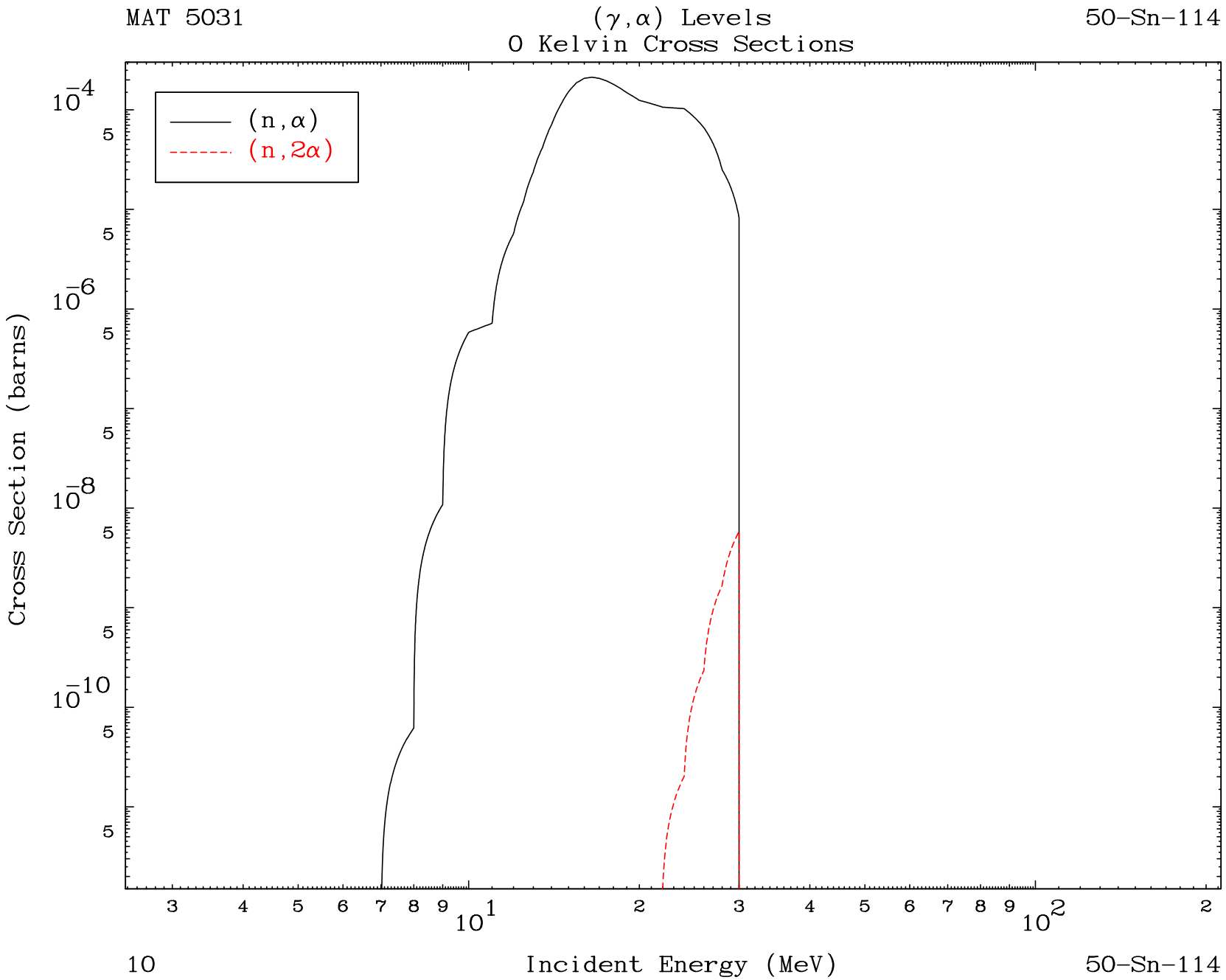

MAT 5031
Photon Charged Particle
0 Kelvin Cross Sections
50-Sn-114
(n,n') α
(n,t)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
5
50-Sn-114

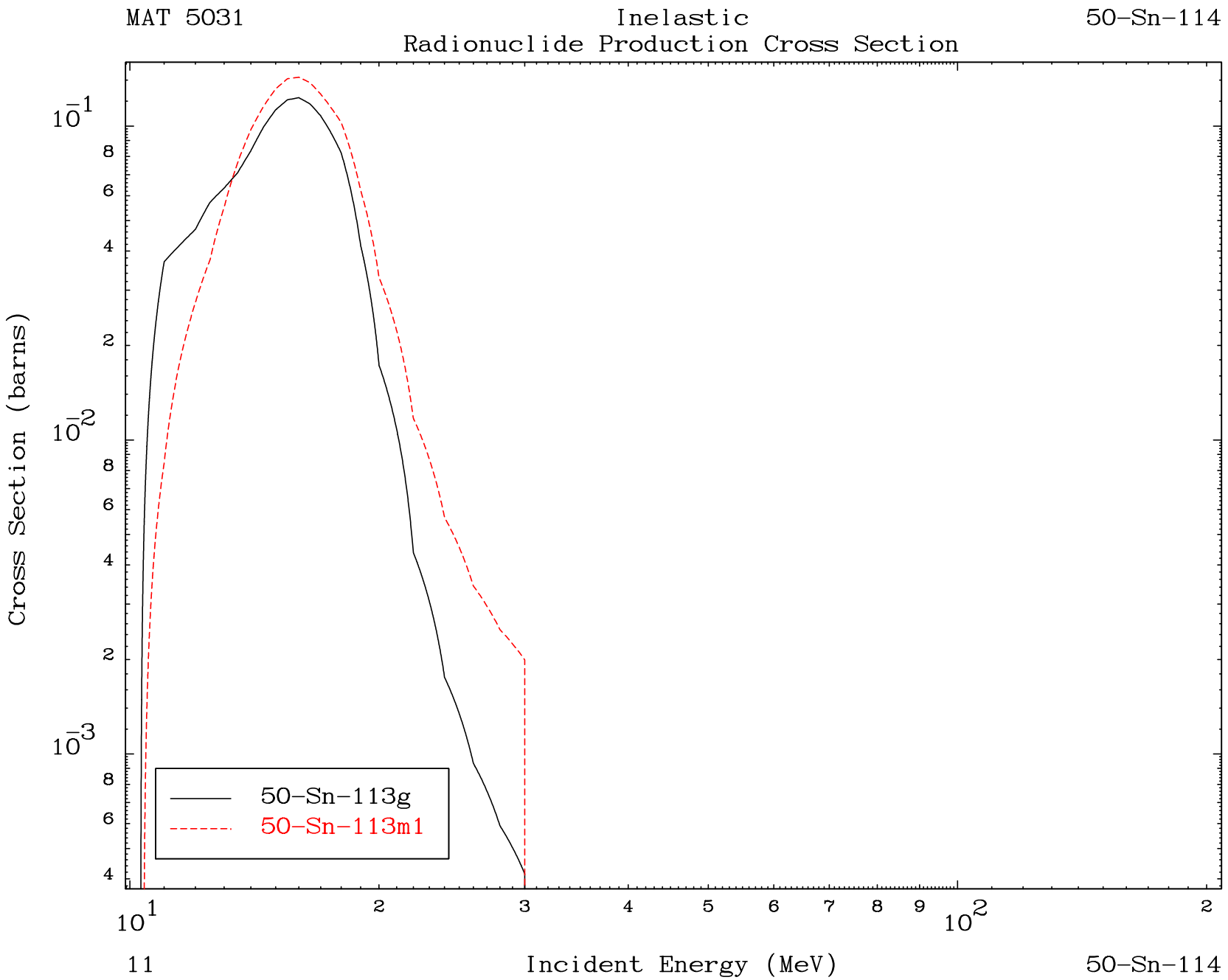

MAT 5031
(γ,n') Levels
0 Kelvin Cross Sections
50-Sn-114
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
50-Sn-114
6

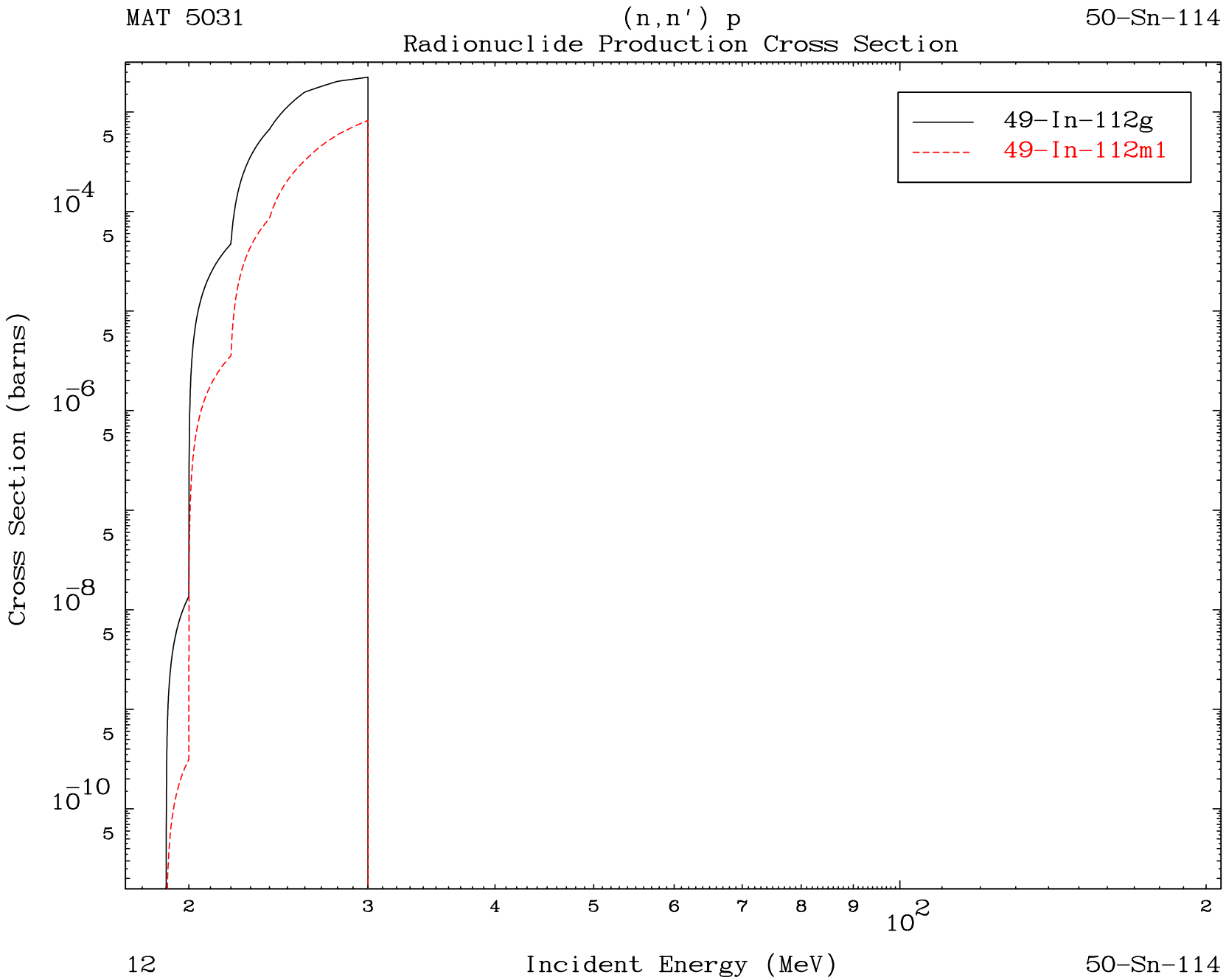

MAT 5031
(γ,p) Levels
50-Sn-114
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
50-Sn-114

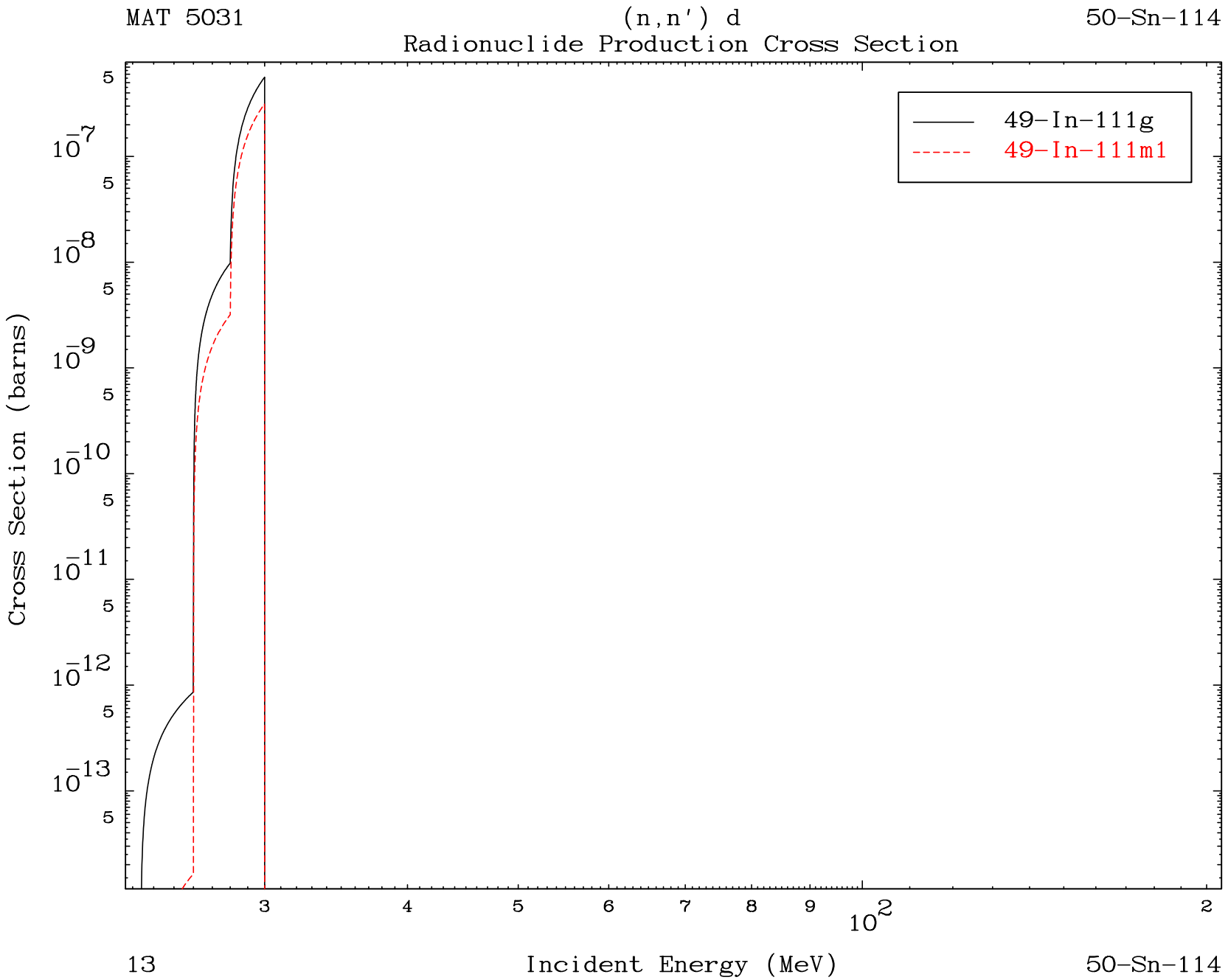

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

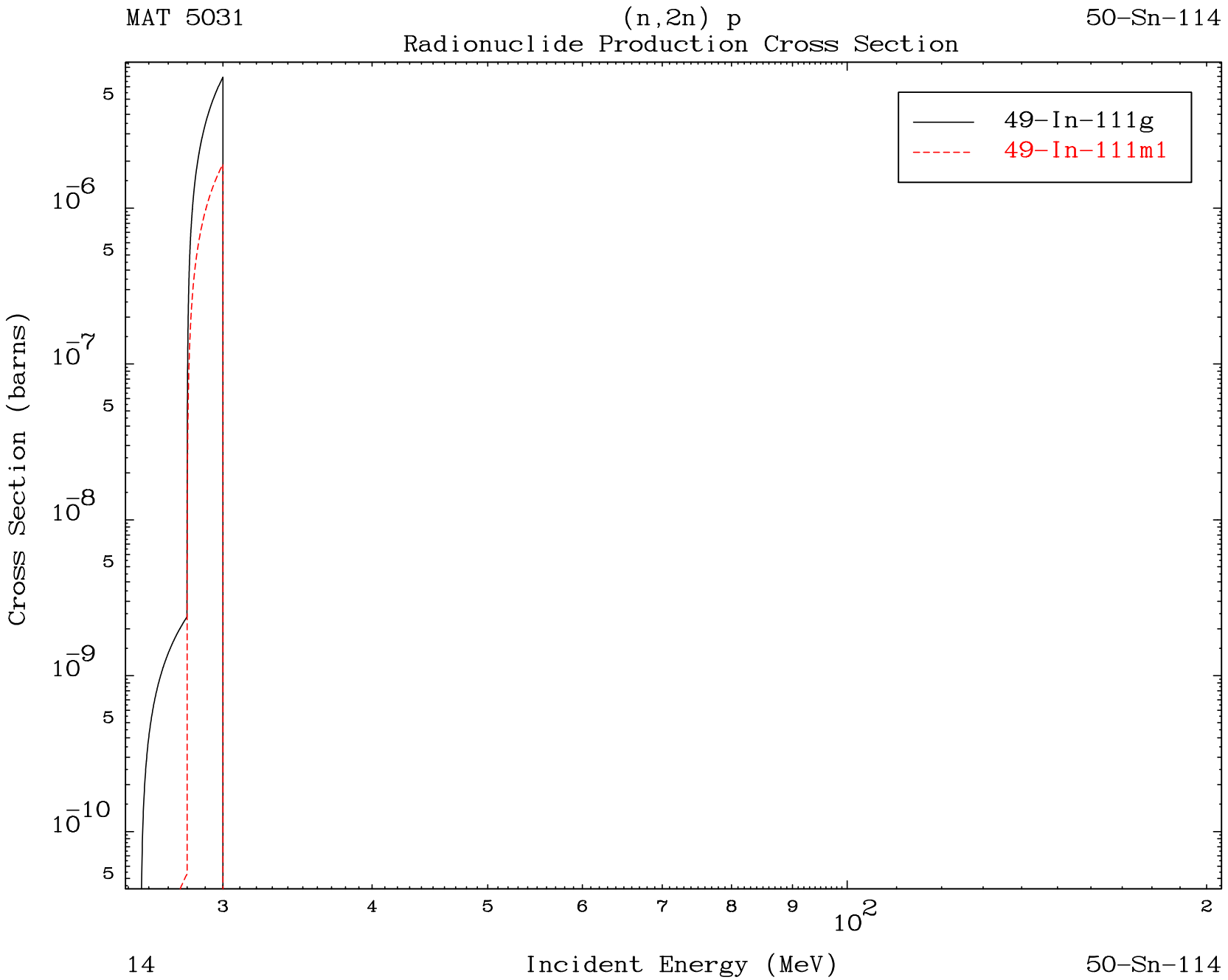

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
5
5
10^-8
5
5
10^-10
5
5
10^-12
5
5
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

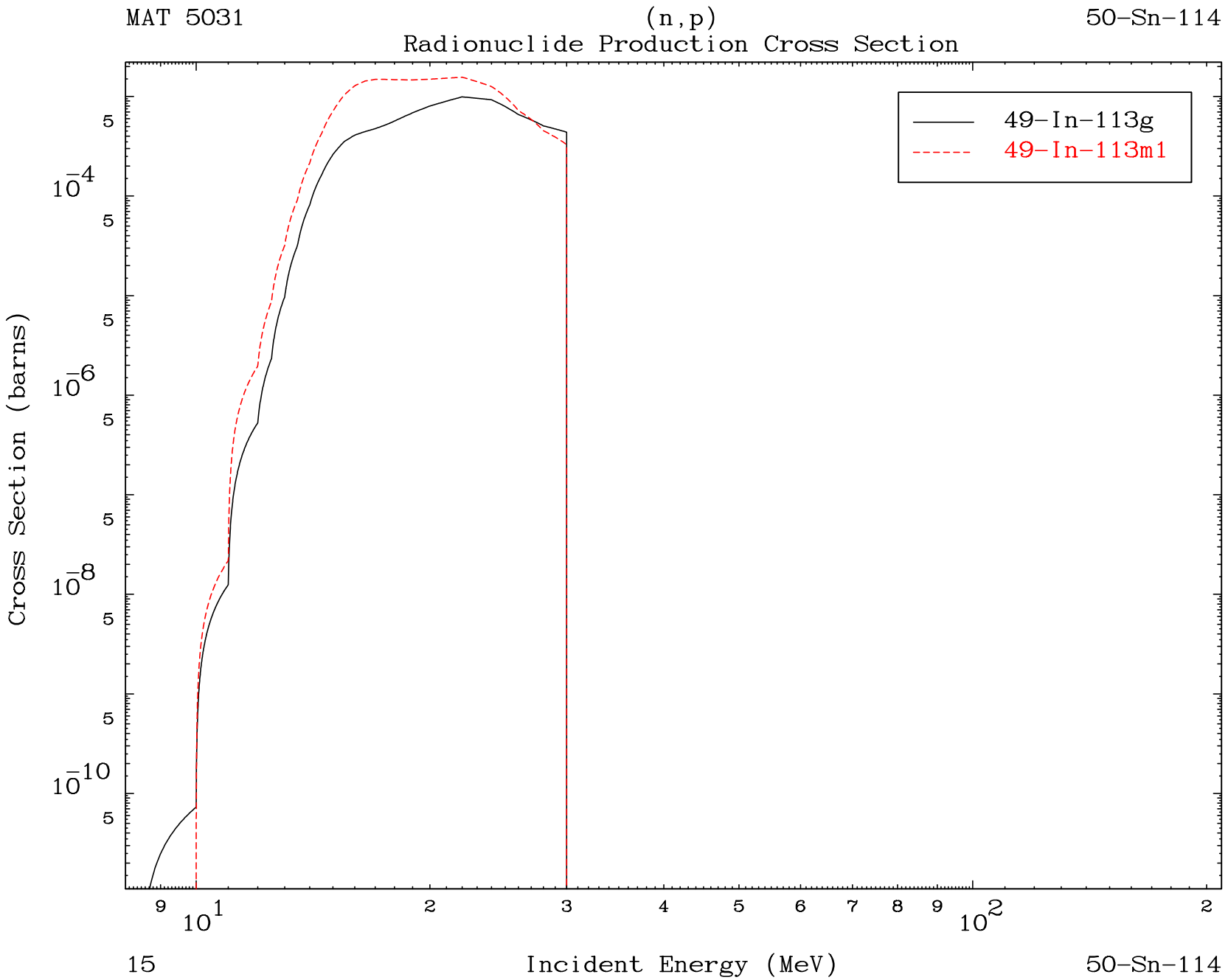

MAT 5031
(γ,α) Levels
50-Sn-114
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
10
Incident Energy (MeV)
50-Sn-114

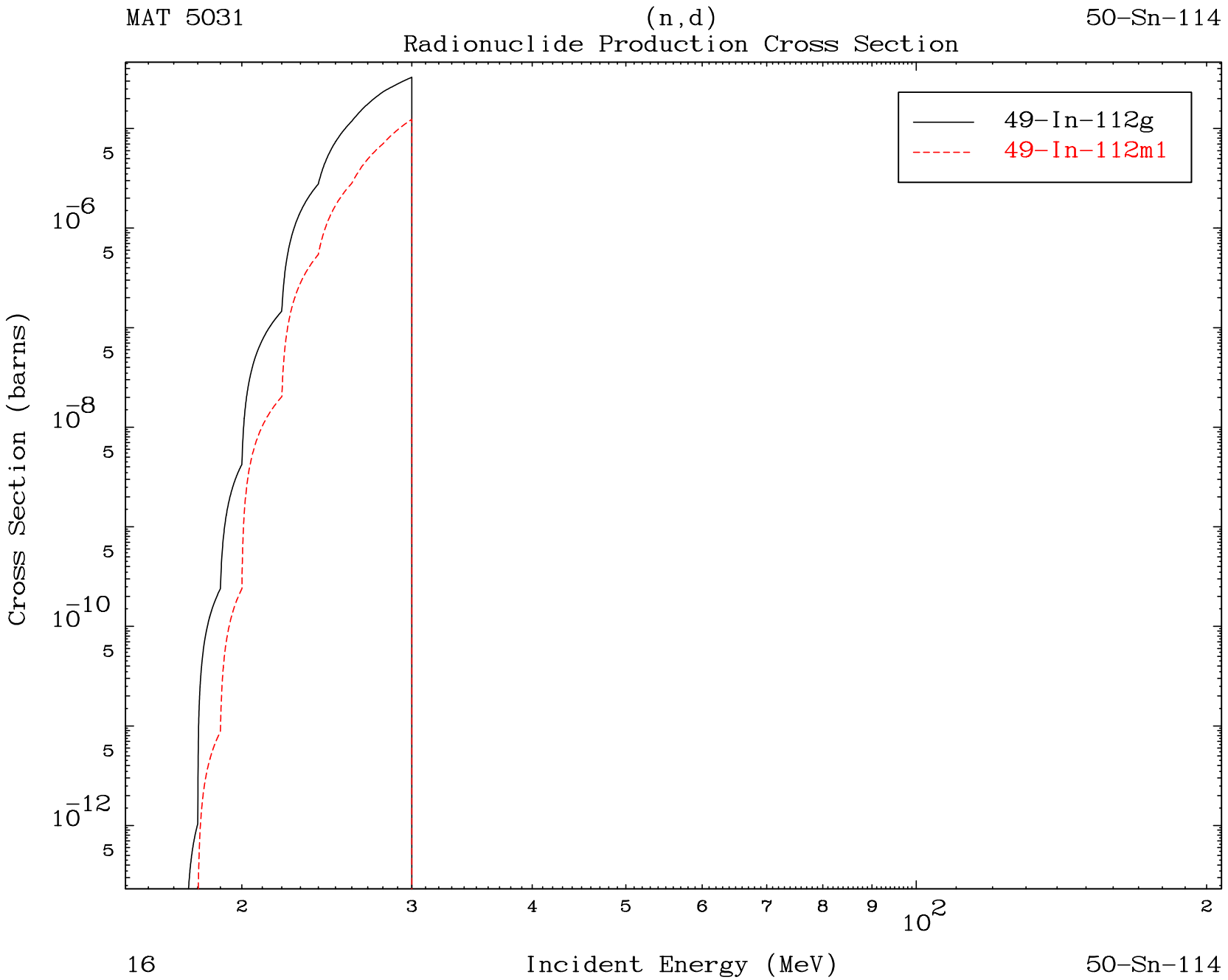

MAT 5031
Inelastic
50-Sn-114
Radionuclide Production Cross Section
Cross Section (barns)
10-1
10-2
10-3
8
6
4
2
50-Sn-113g
50-Sn-113m1
10 1
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
50-Sn-114

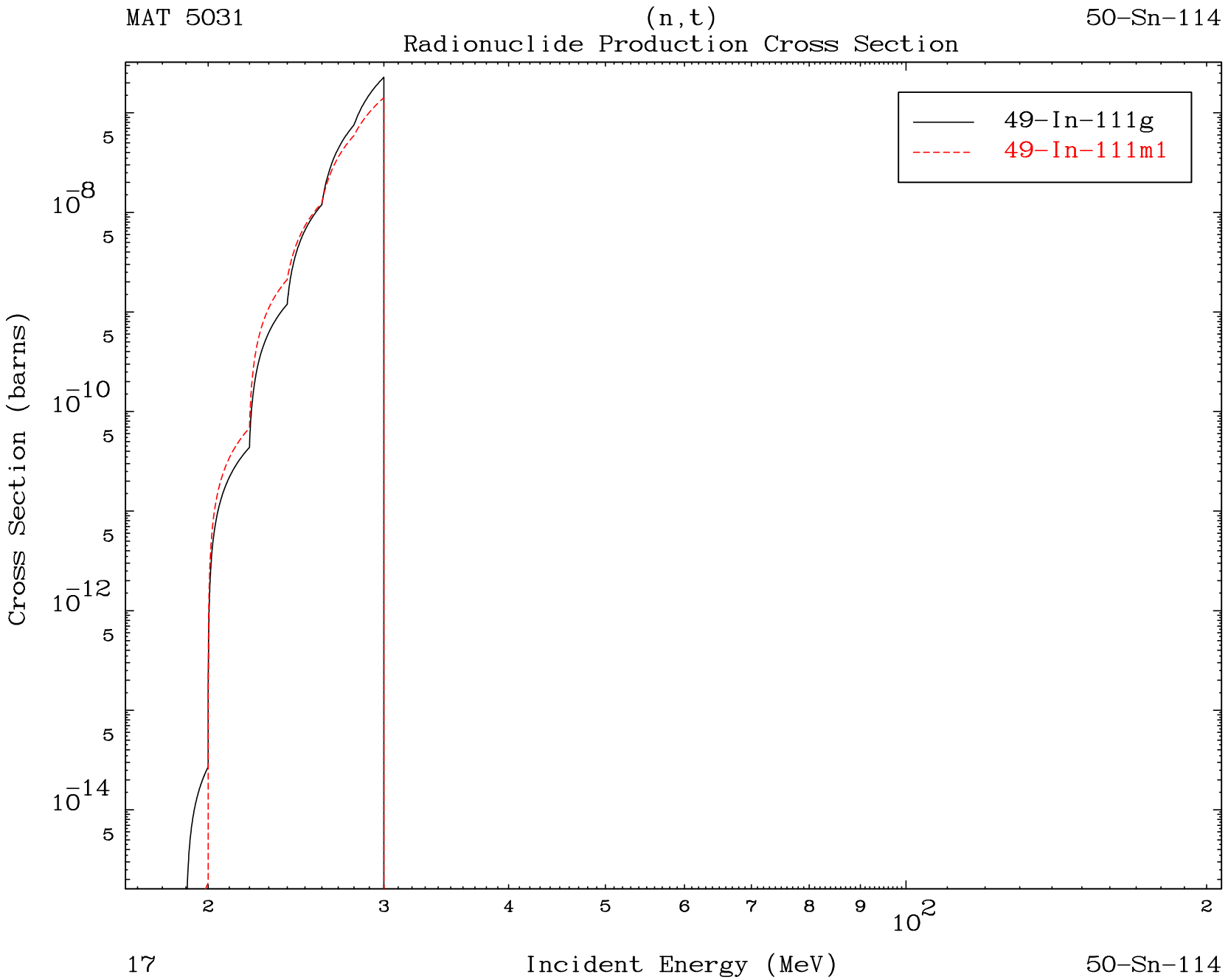

MAT 5031
(n,n') p
50-Sn-114
Radionuclide Production Cross Section
49-In-112g
49-In-112m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
12
50-Sn-114

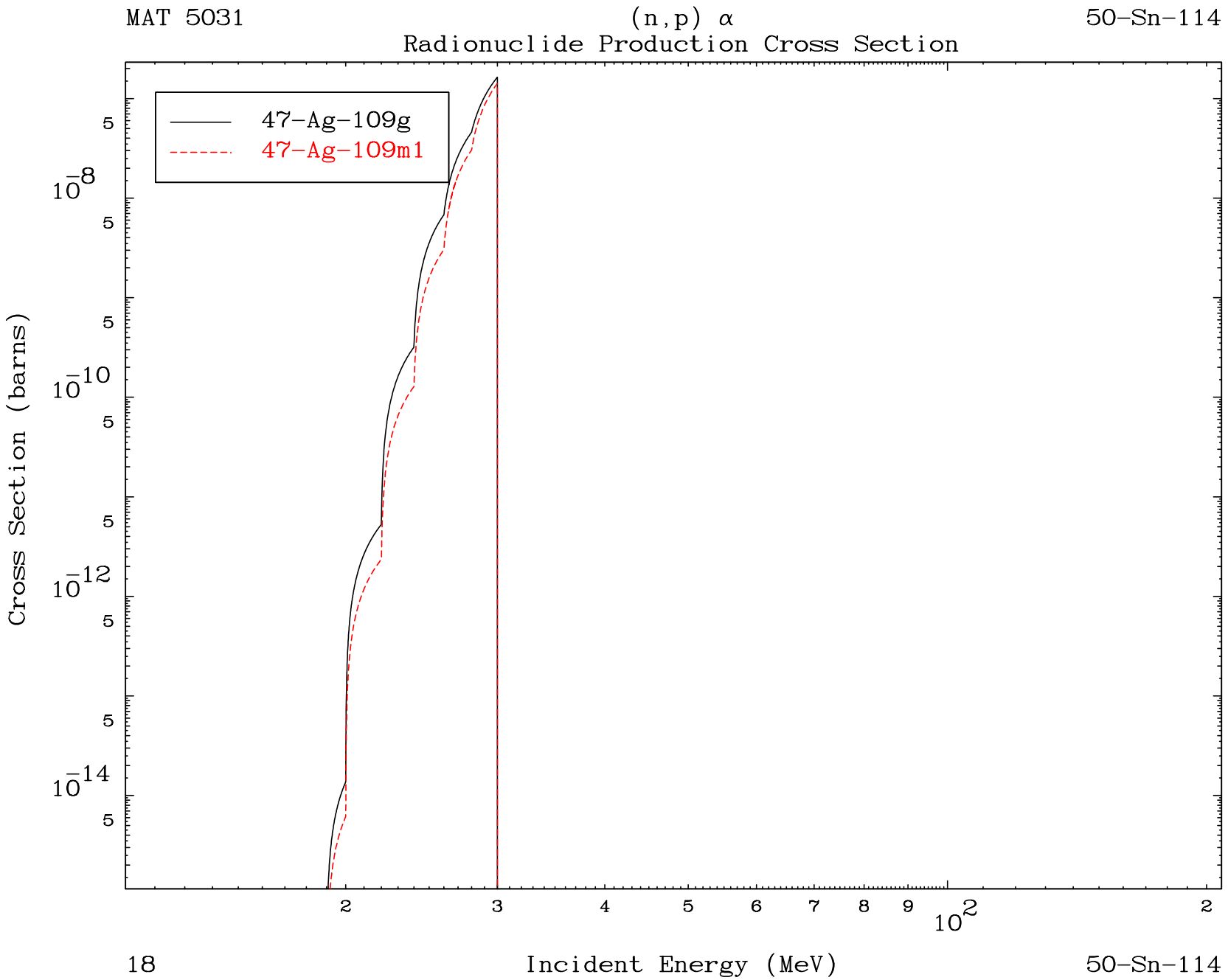

MAT 5031
(n,n') d
50-Sn-114
Radionuclide Production Cross Section
49-In-111g
49-In-111m1
Cross Section (barns)
10-7
10-8
10-9
10-10
10-11
10-12
10-13
5
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
50-Sn-114


MAT 5031
(n,2n) p
50-Sn-114
Radionuclide Production Cross Section
49-In-111g
49-In-111m1
Cross Section (barns)
Incident Energy (MeV)
14
50-Sn-114


MAT 5031
(n,p)
50-Sn-114
Radionuclide Production Cross Section
49-In-113g
49-In-113m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
15
50-Sn-114


MAT 5031
(n,d)
50-Sn-114
Radionuclide Production Cross Section
49-In-112g
49-In-112m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
16
Incident Energy (MeV)
50-Sn-114


MAT 5031
(n,t)
50-Sn-114
Radionuclide Production Cross Section
49-In-111g
49-In-111m1
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-114


MAT 5031
(n,p) α
50-Sn-114
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
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-114