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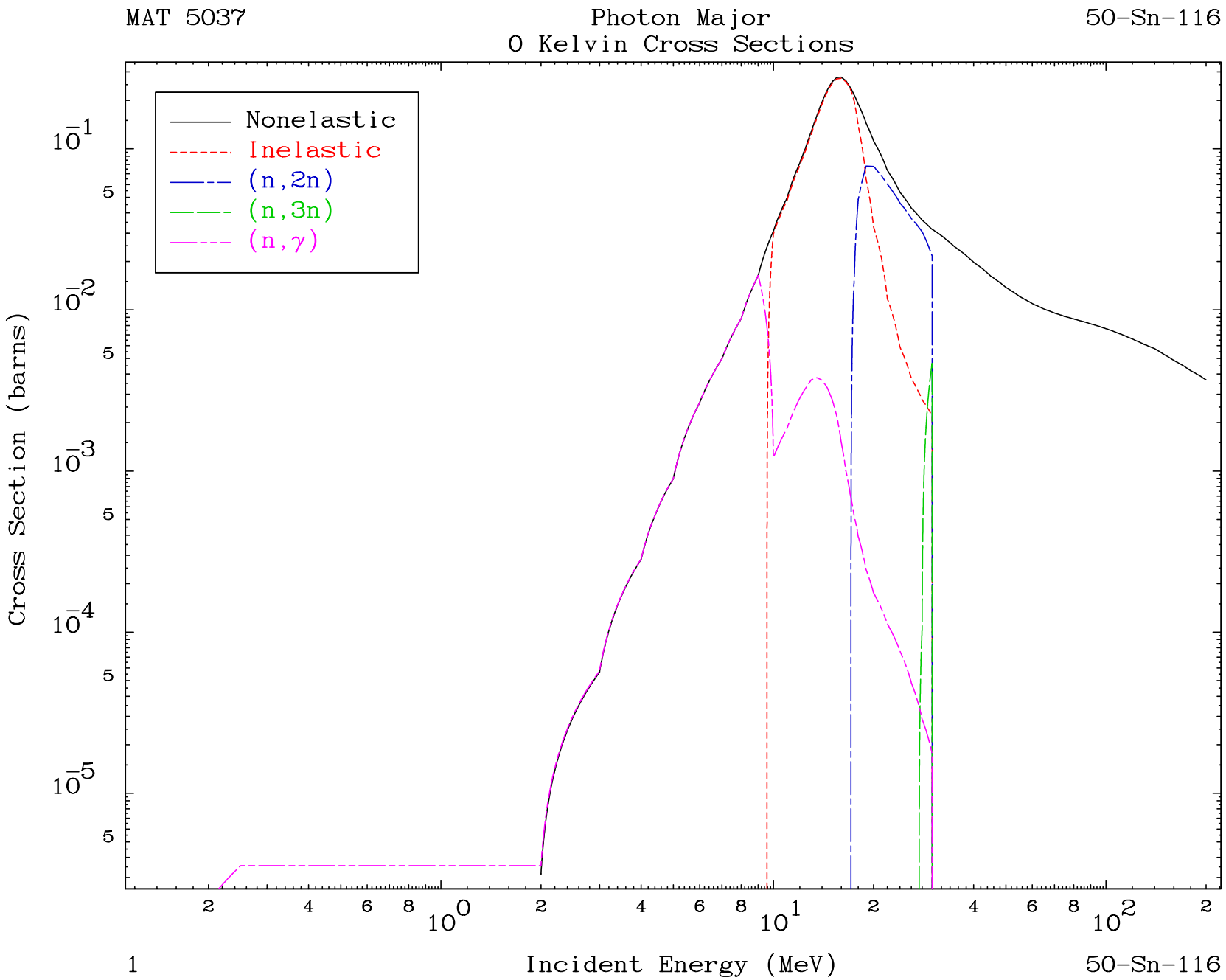
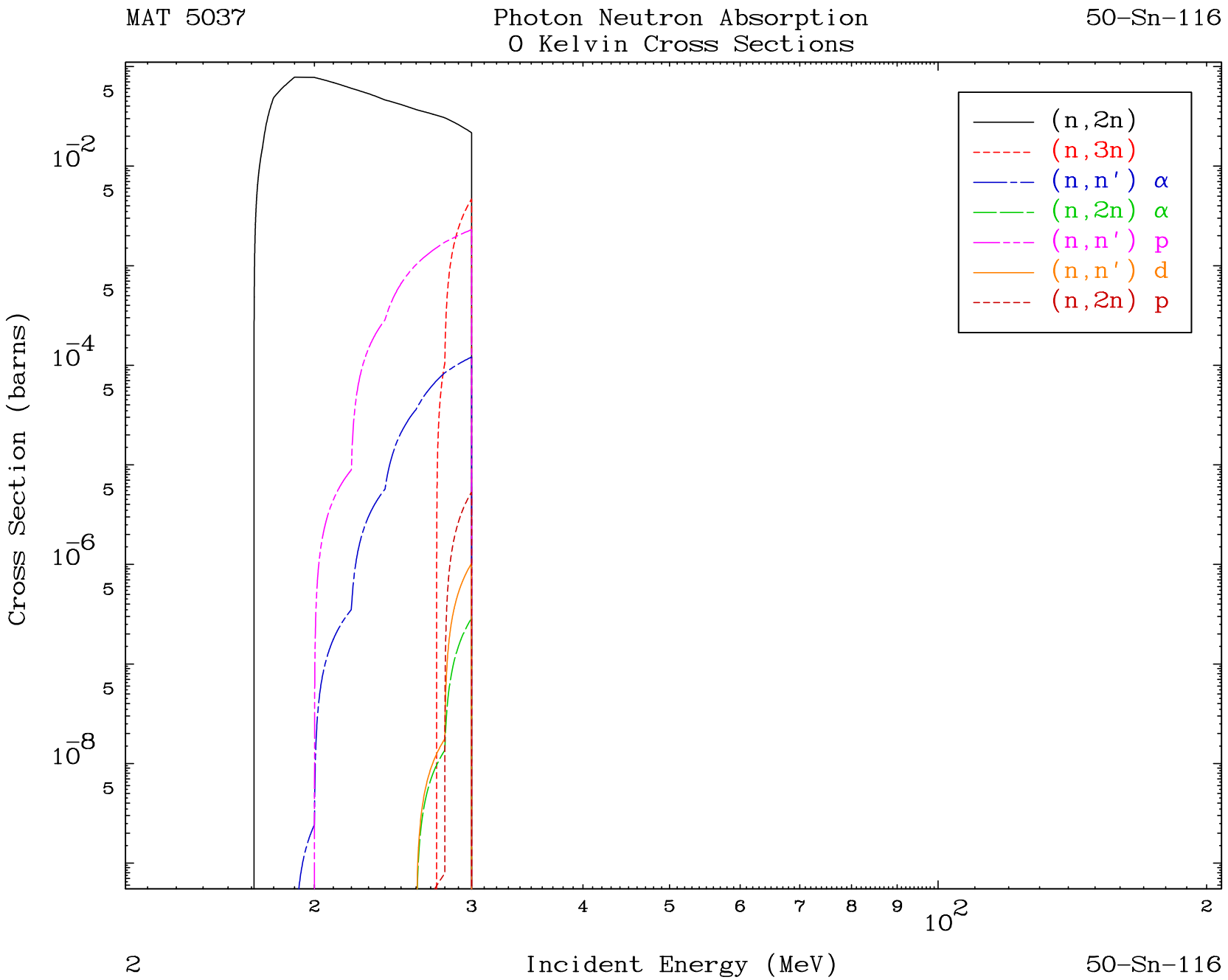
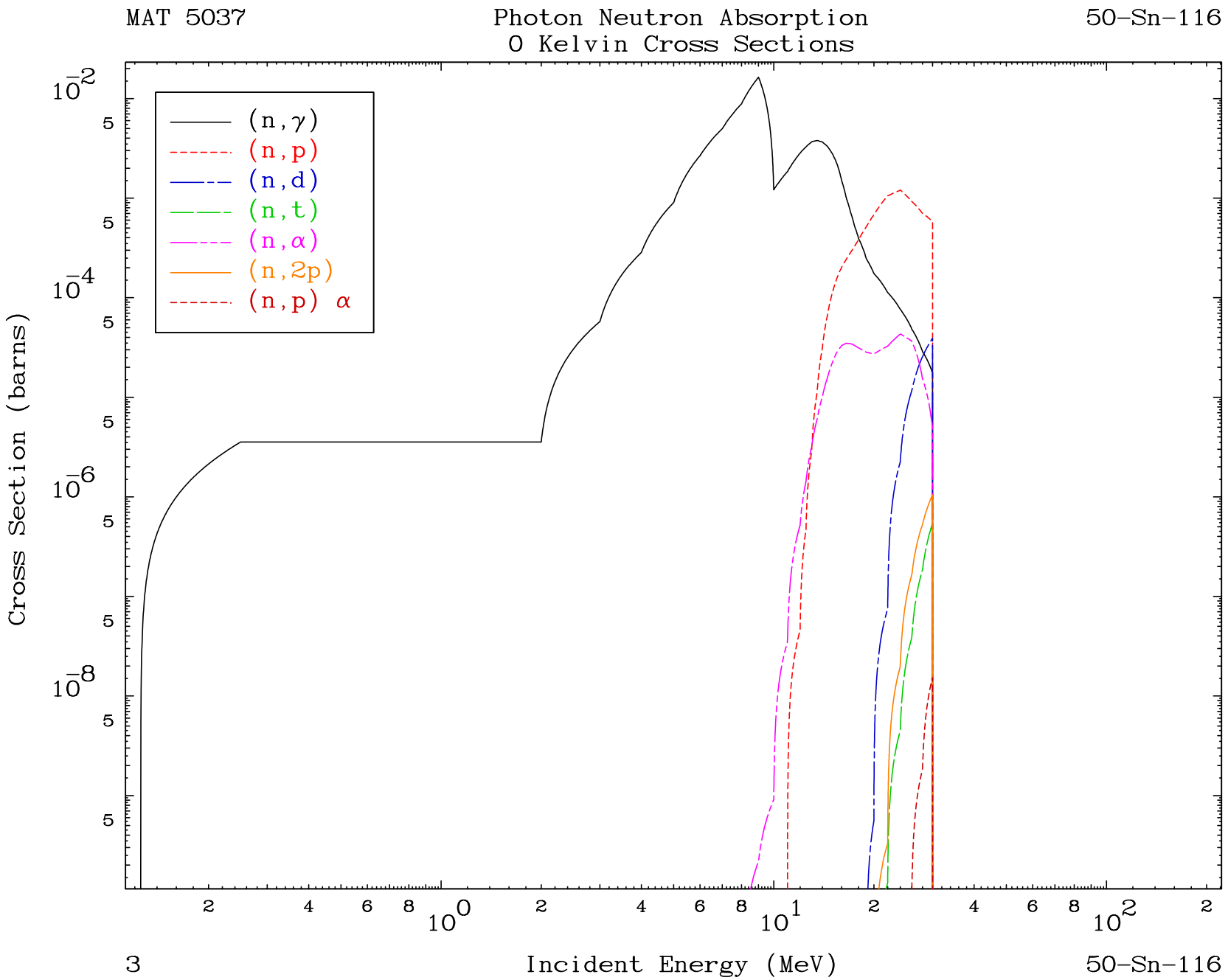
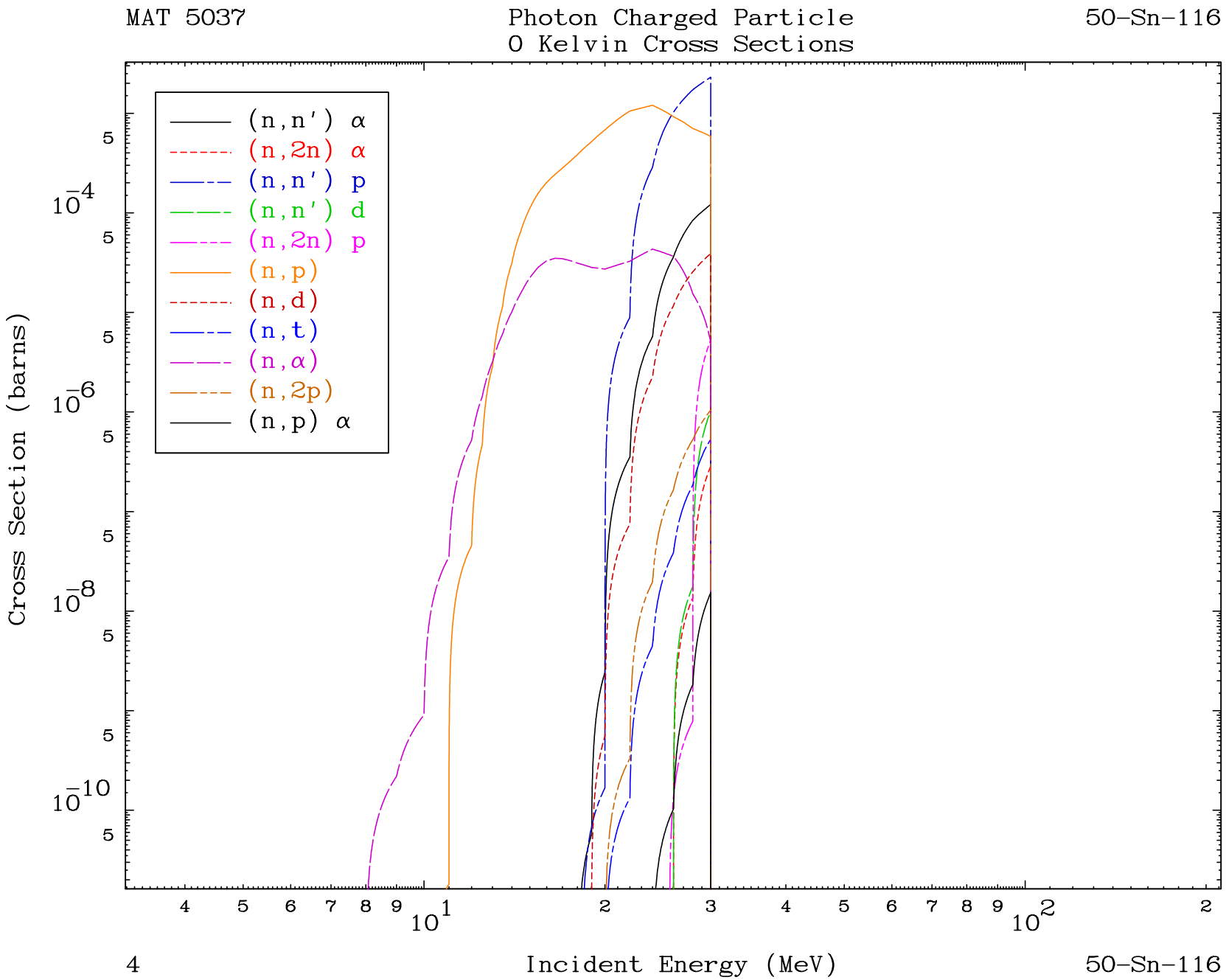
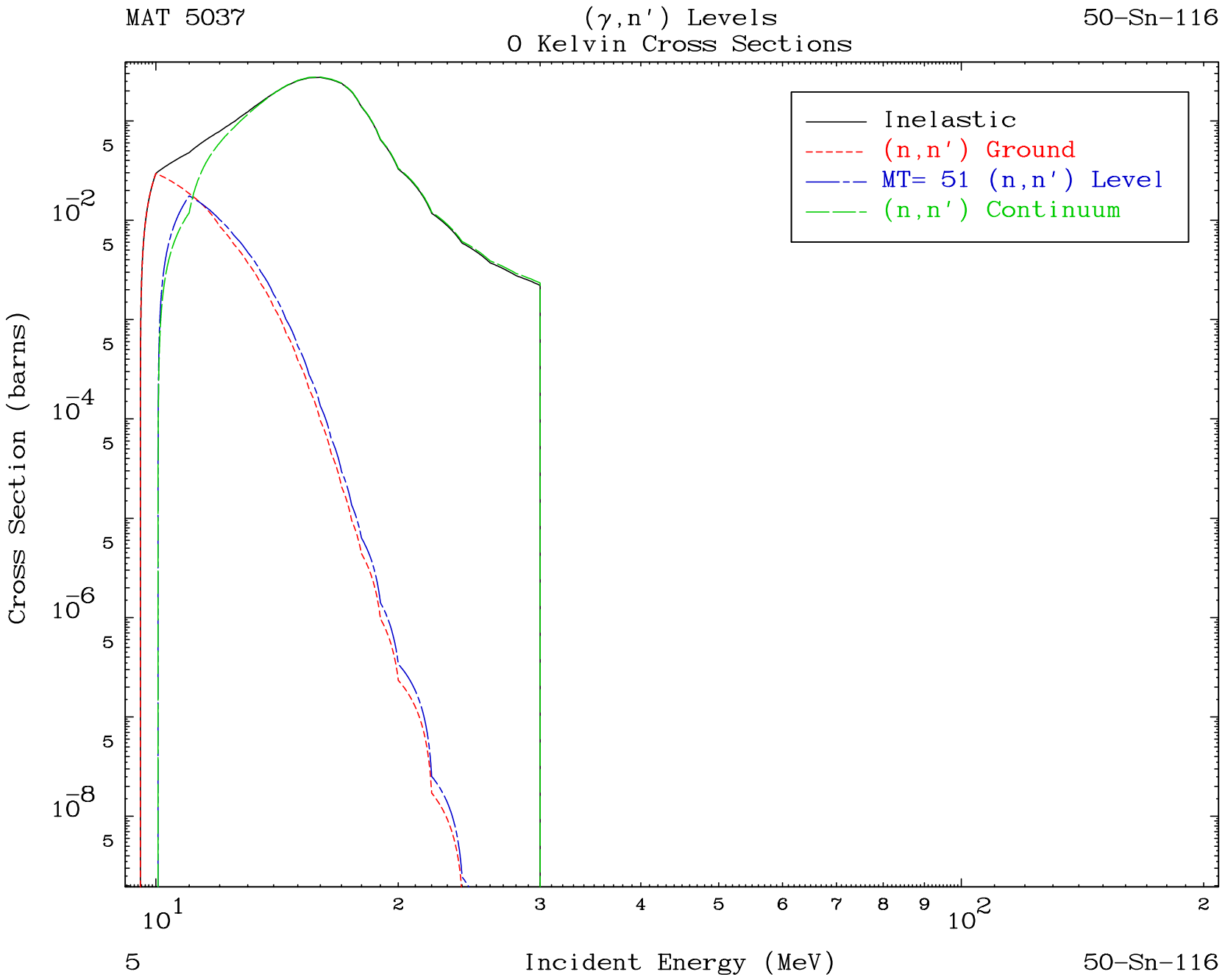
Press Mouse Button to Start

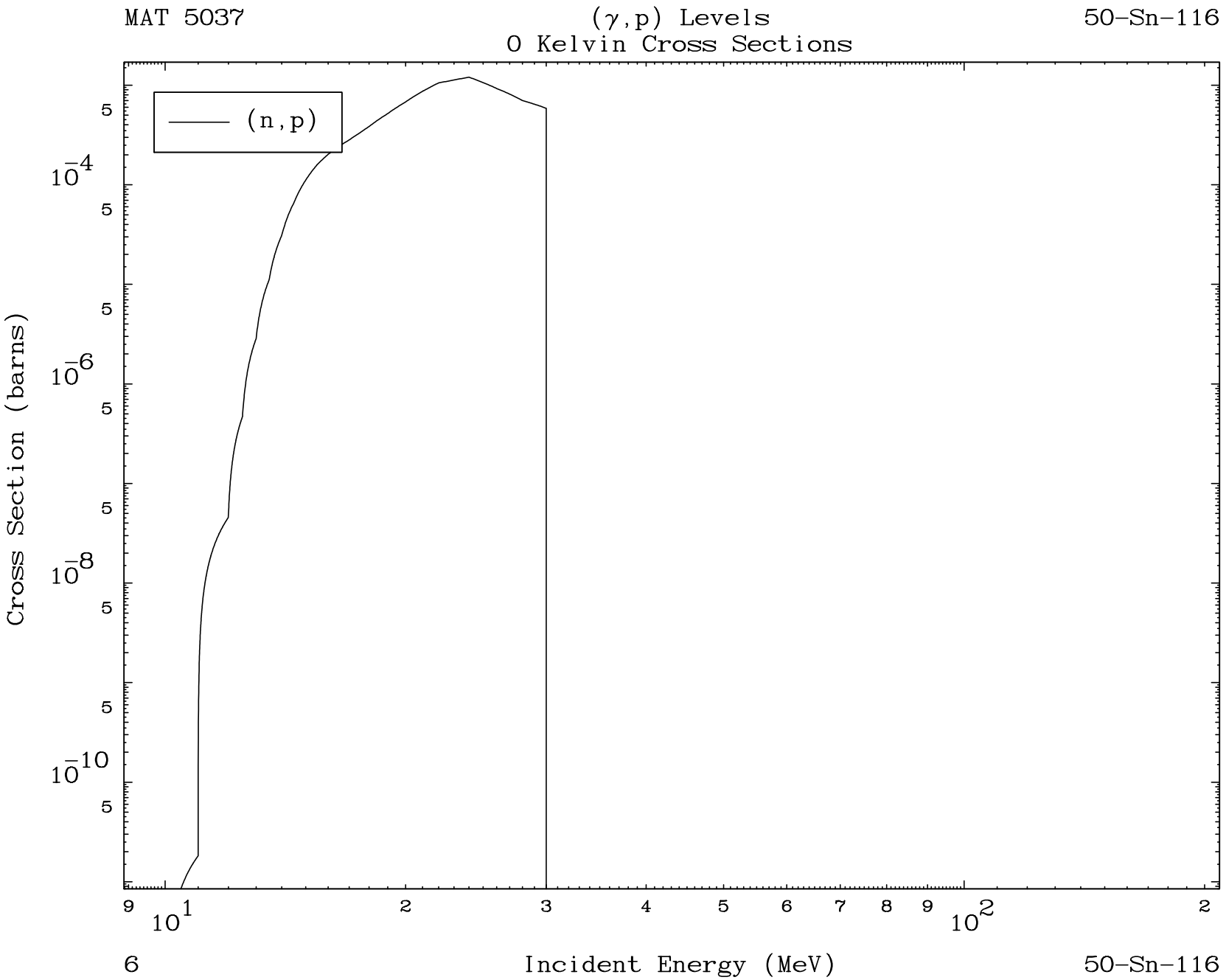

MAT 5037
Photon Major
50-Sn-116
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
50-Sn-116

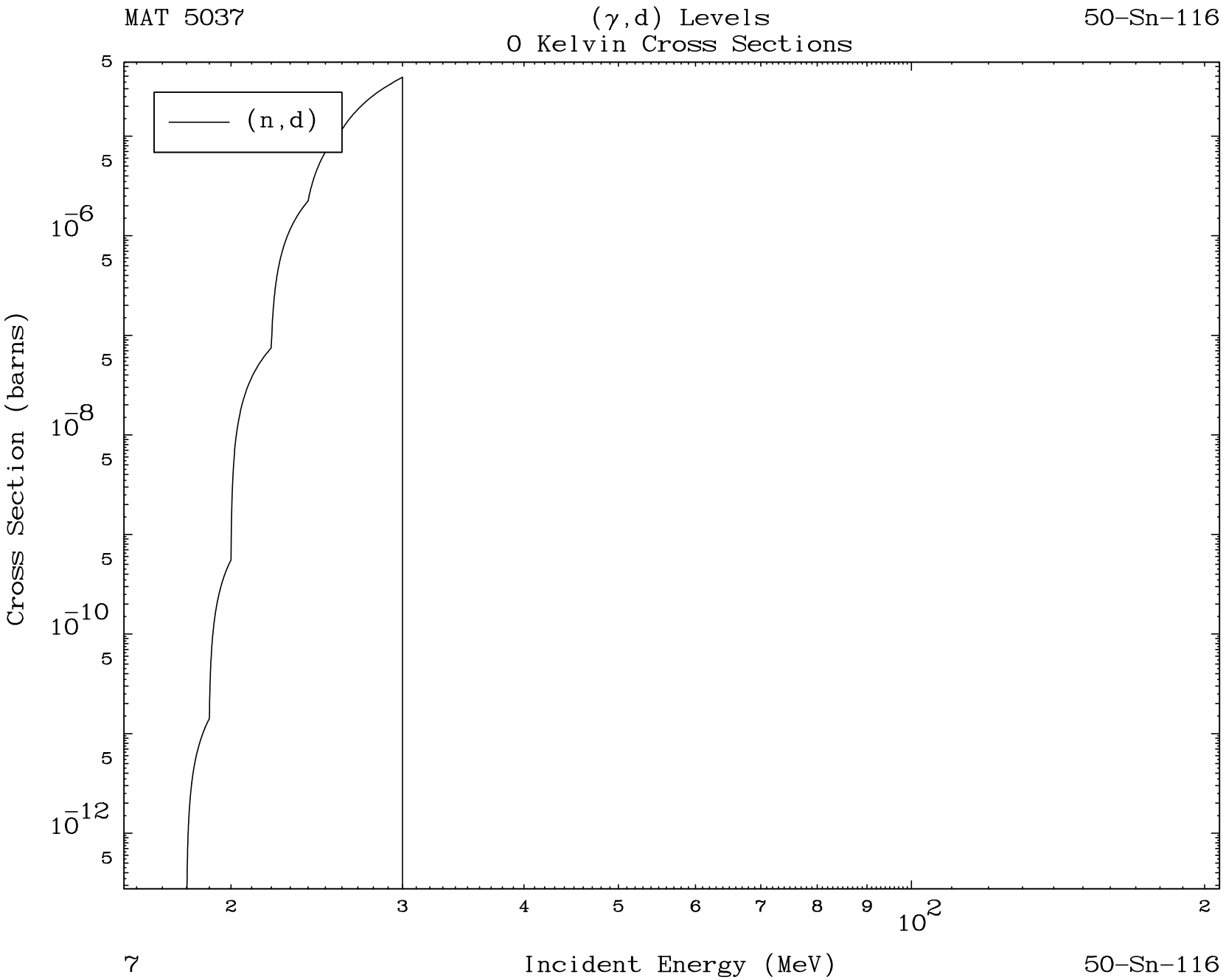

MAT 5037
Photon Neutron Absorption
0 Kelvin Cross Sections
50-Sn-116
Cross Section (barns)
Incident Energy (MeV)
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,2n) p
50-Sn-116
2

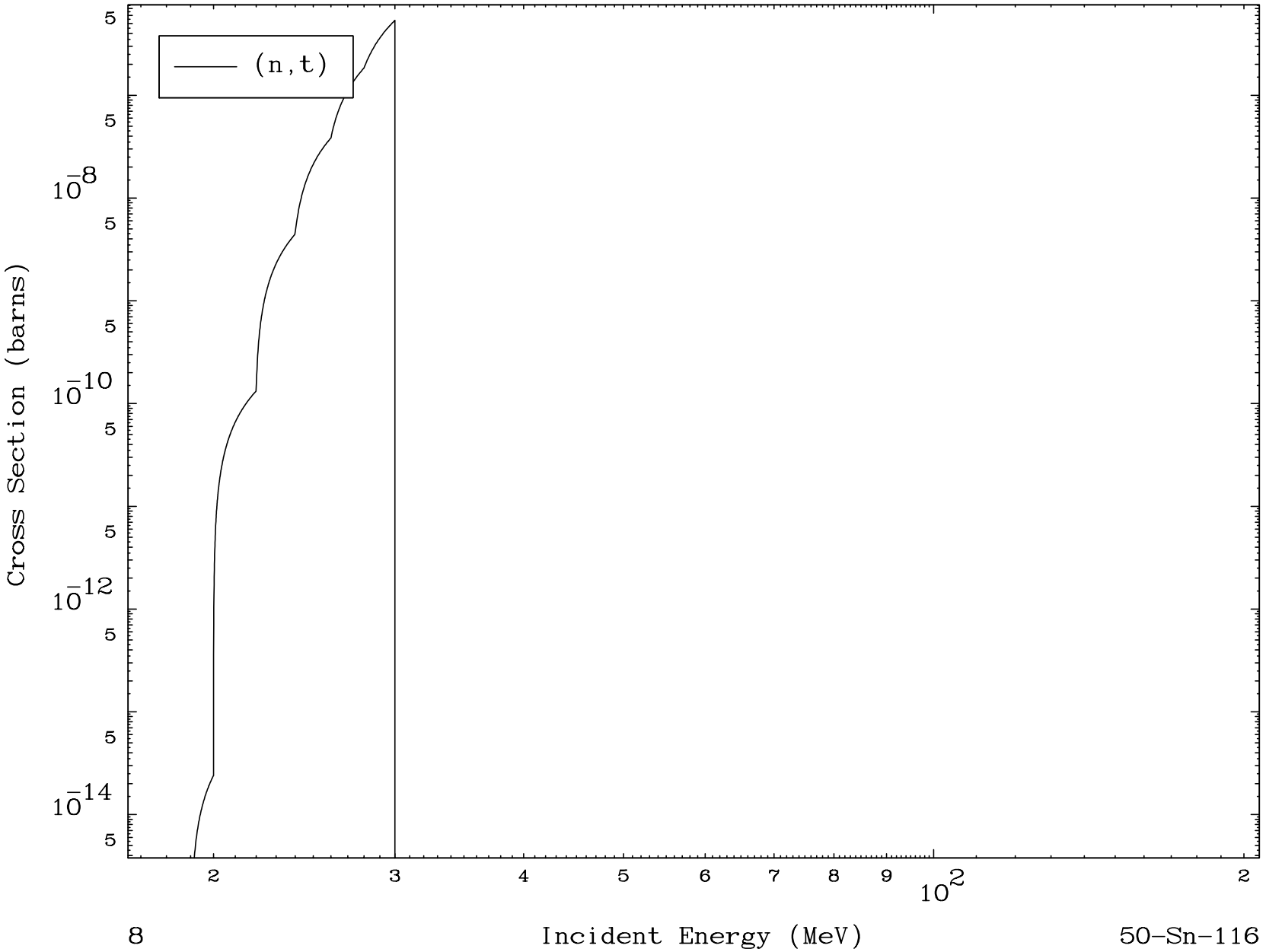

MAT 5037
Photon Neutron Absorption
0 Kelvin Cross Sections
50-Sn-116
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-116

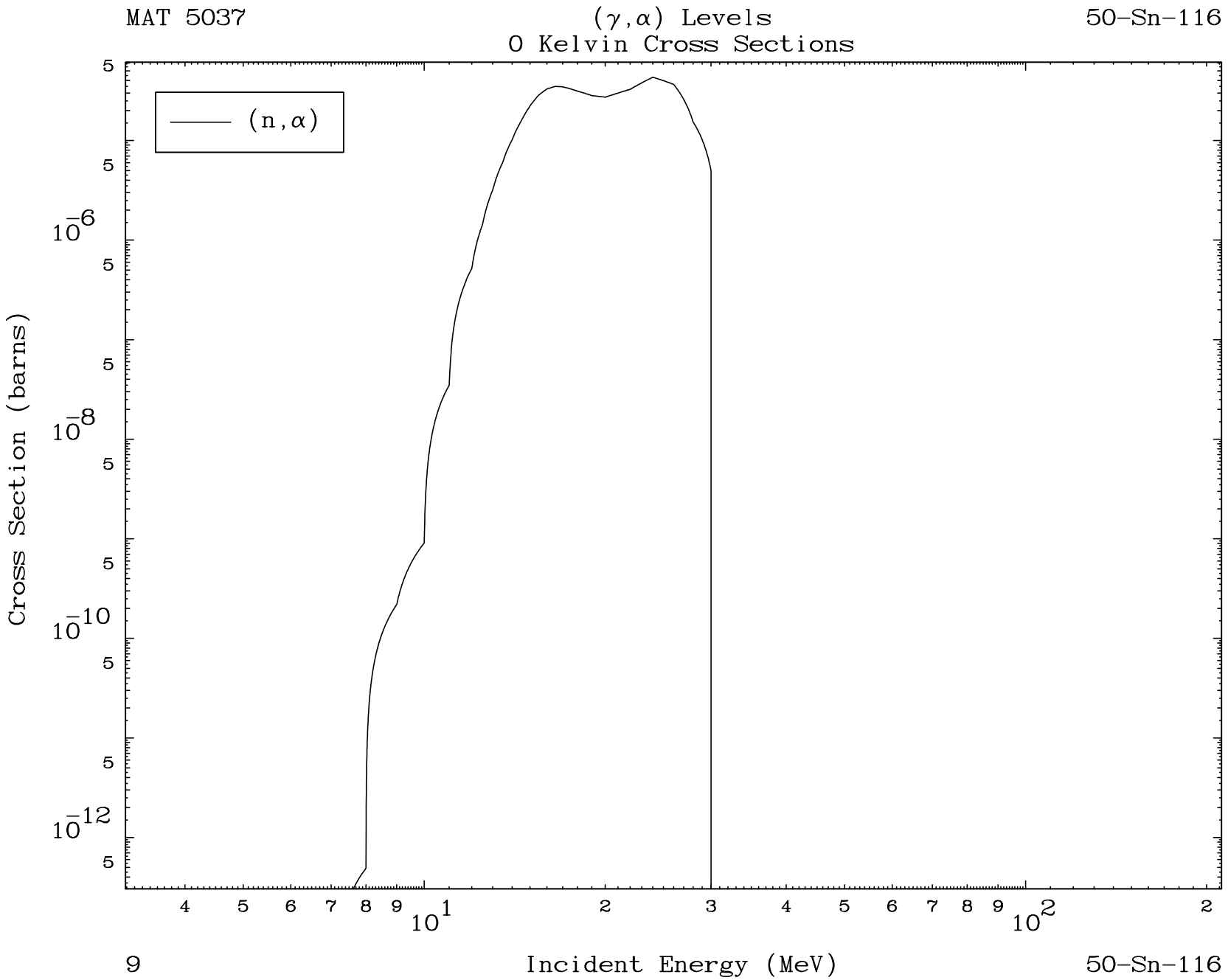

MAT 5037
Photon Charged Particle
0 Kelvin Cross Sections
50-Sn-116
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
4
50-Sn-116

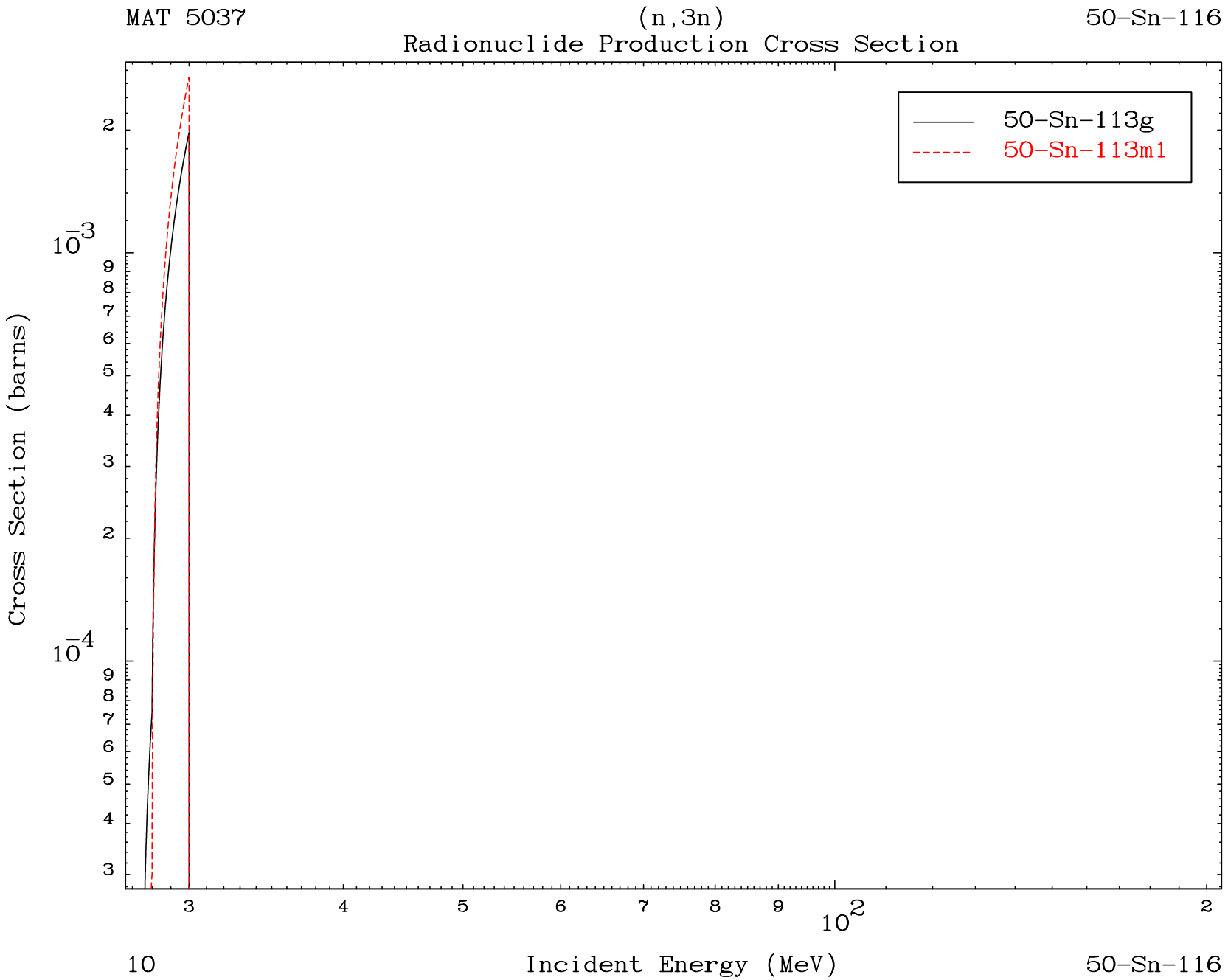

MAT 5037
(γ,n') Levels
50-Sn-116
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
50-Sn-116

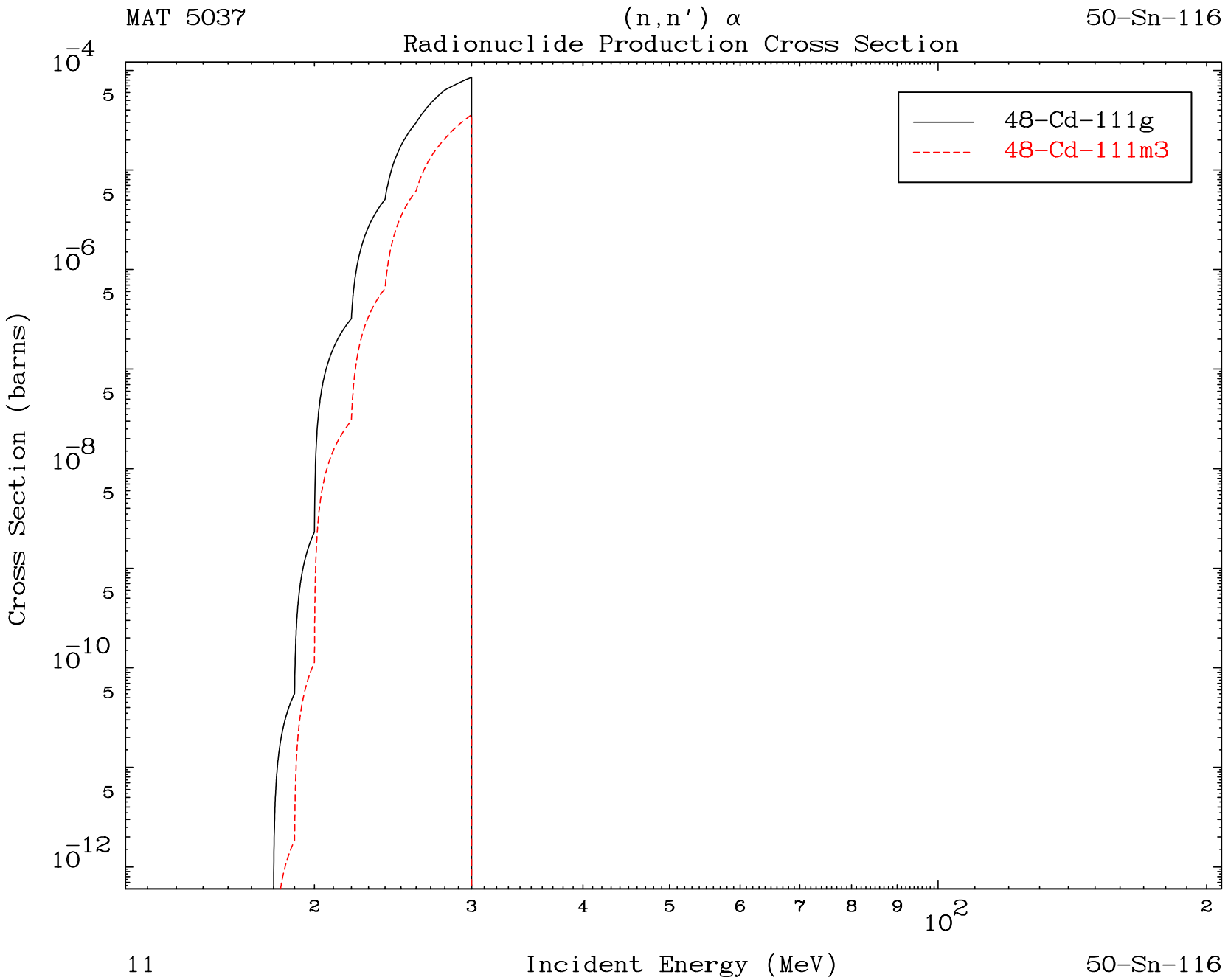

MAT 5037
(γ,p) Levels
50-Sn-116
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
50-Sn-116

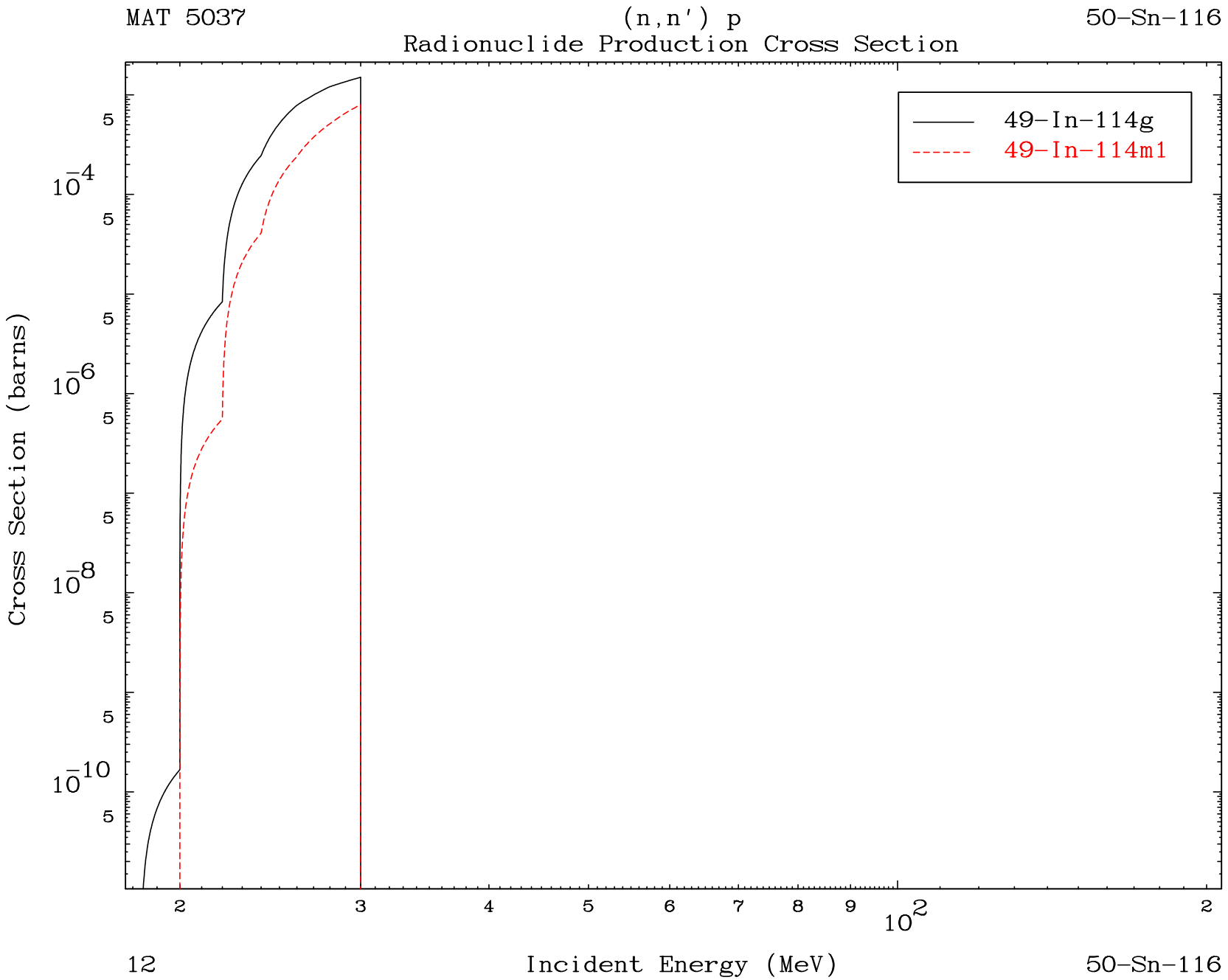

MAT 5037
(γ,d) Levels
50-Sn-116
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
50-Sn-116

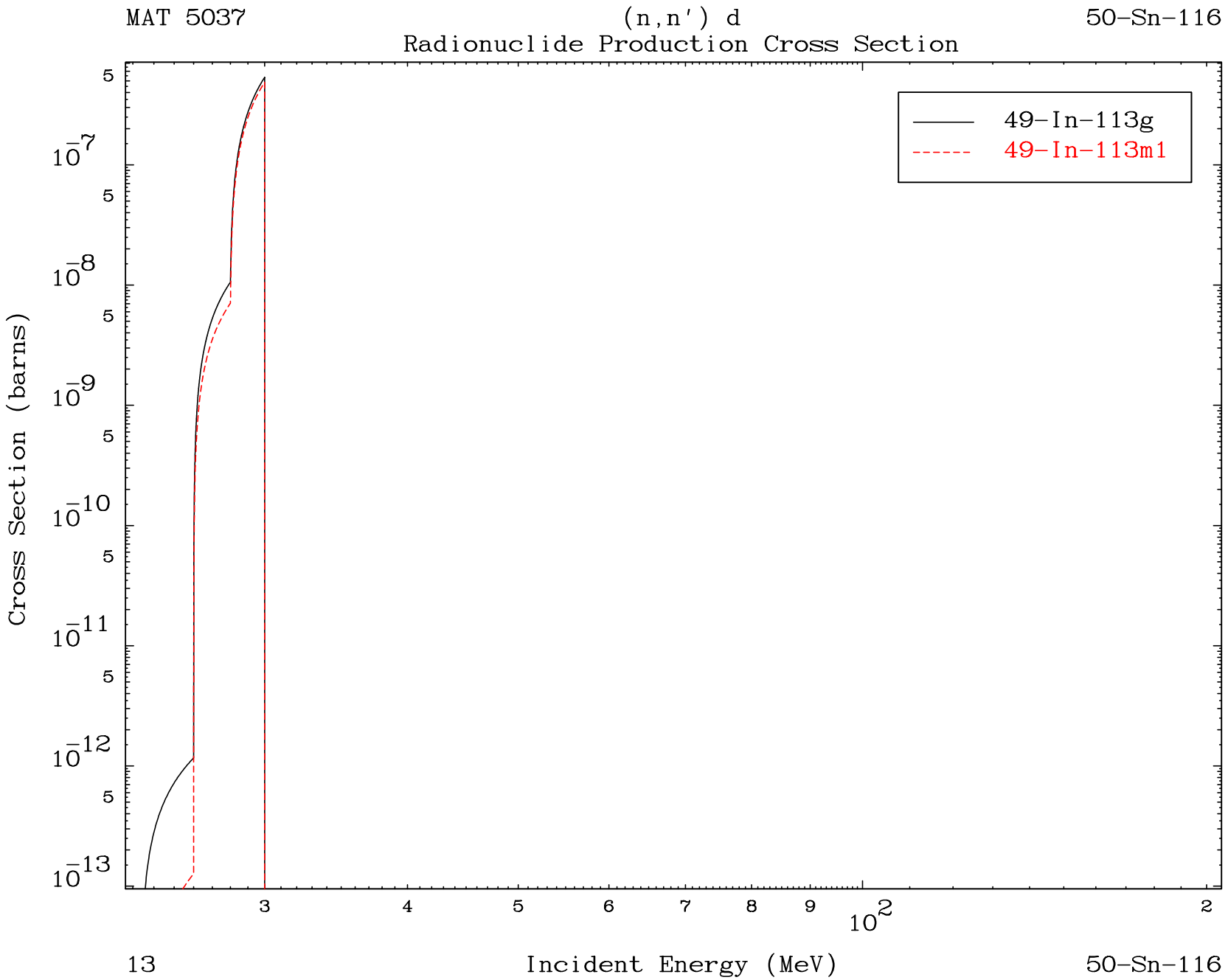

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
5
5
10^-8
5
5
10^-10
5
5
10^-12
5
5
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

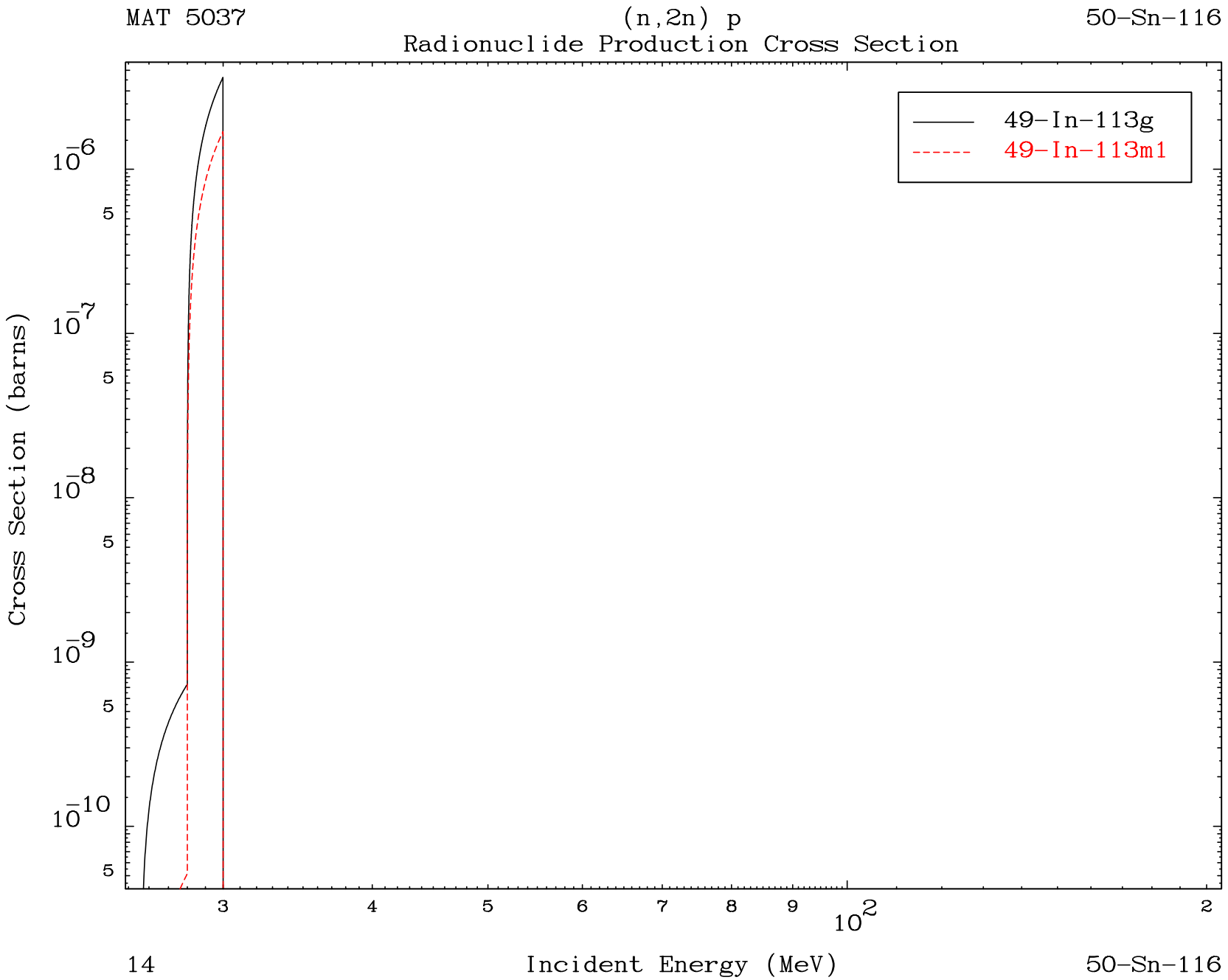

MAT 5037
(γ,α) Levels
50-Sn-116
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
Incident Energy (MeV)
9
50-Sn-116

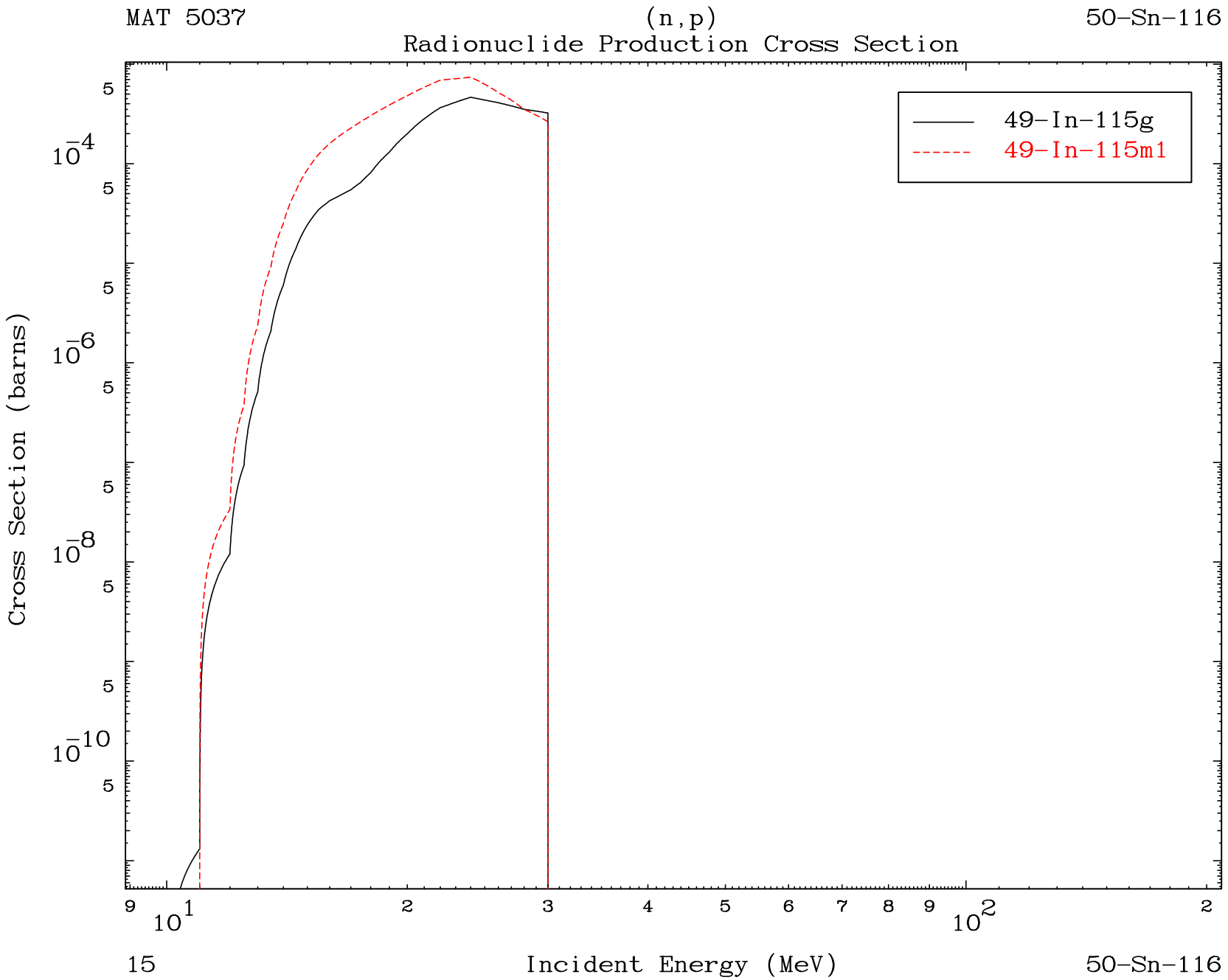

MAT 5037
(n,3n)
50-Sn-116
Radionuclide Production Cross Section
50-Sn-113g
50-Sn-113m1
Cross Section (barns)
10^-3
10^-4
2
3
4
5
6
7
8
9
10^2
10
Incident Energy (MeV)
50-Sn-116

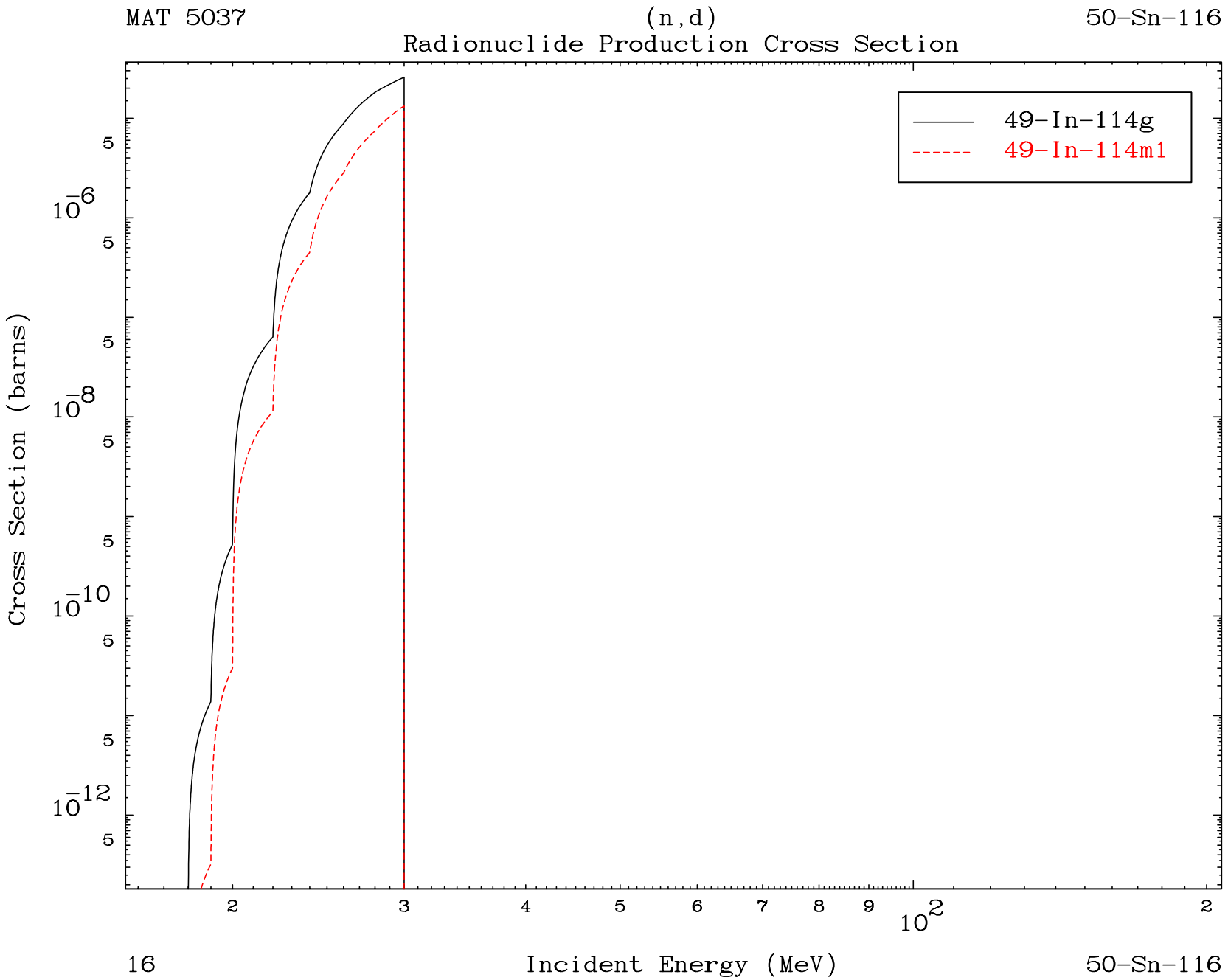

MAT 5037
(n,n') α
50-Sn-116
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
Incident Energy (MeV)
11
50-Sn-116

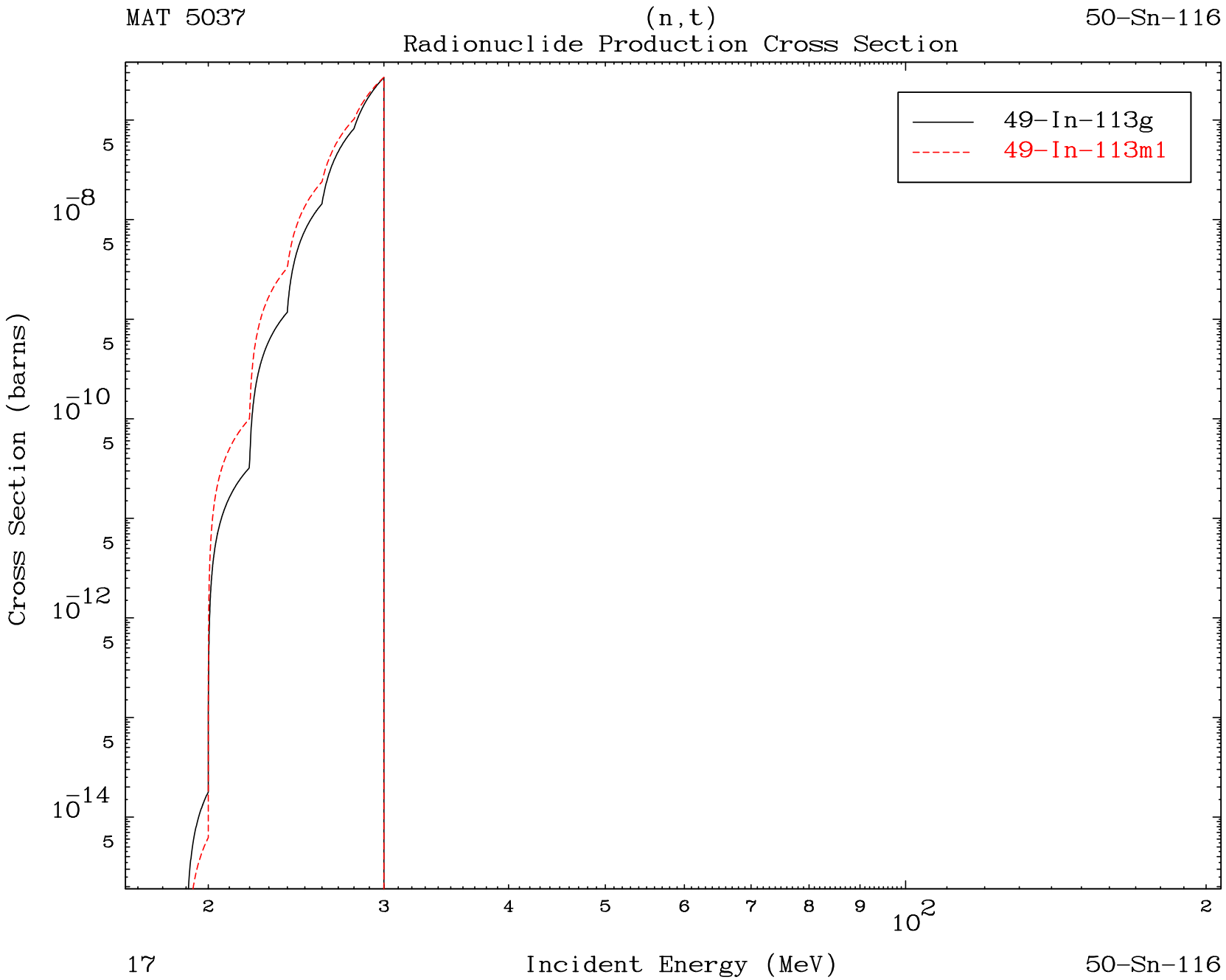

MAT 5037
(n,n') p
50-Sn-116
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
50-Sn-116

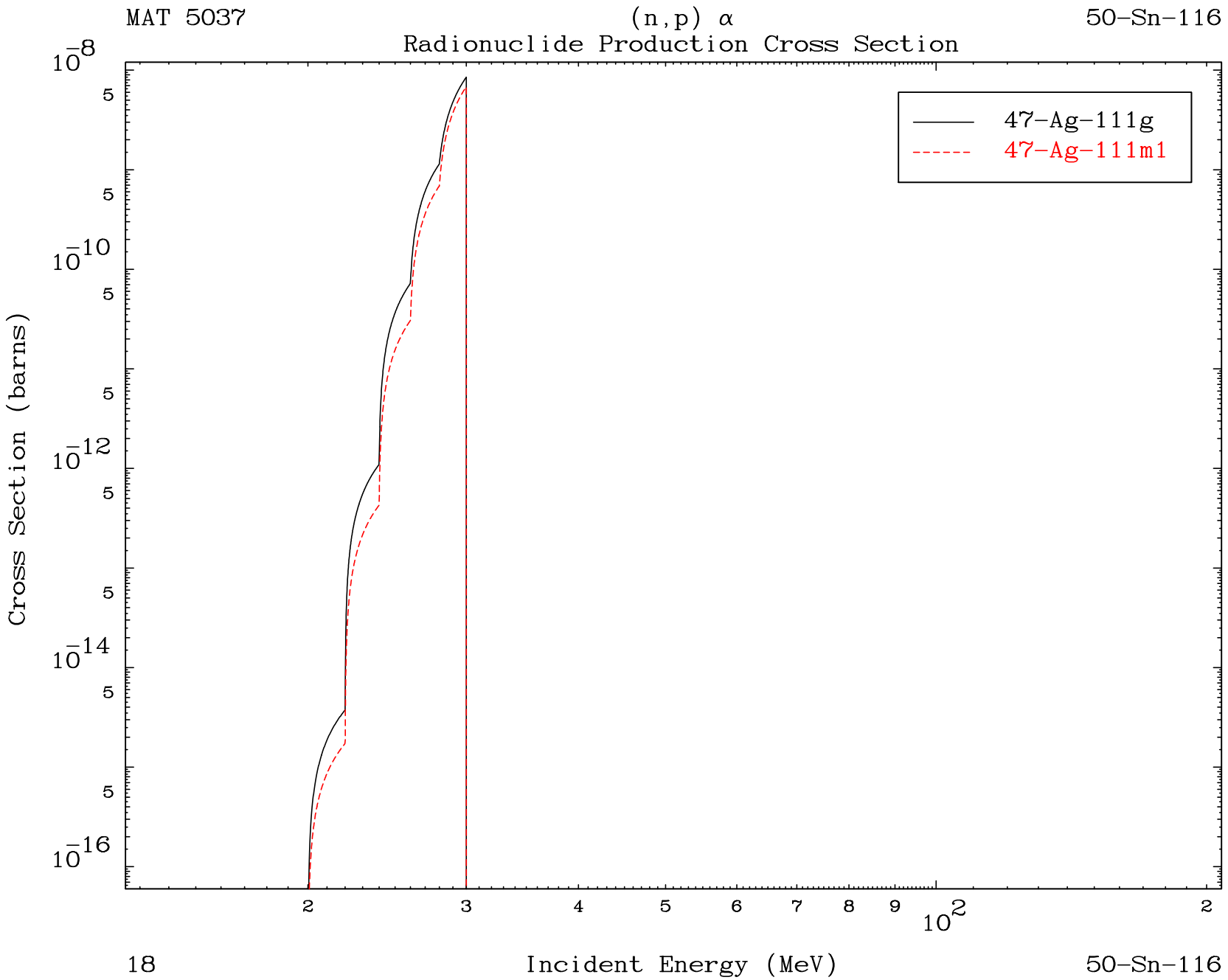

MAT 5037
(n,n') d
50-Sn-116
Radionuclide Production Cross Section
49-In-113g
49-In-113m1
Cross Section (barns)
Incident Energy (MeV)
13
50-Sn-116


MAT 5037
(n,2n) p
50-Sn-116
Radionuclide Production Cross Section
49-In-113g
49-In-113m1
Cross Section (barns)
10^-6
10^-7
10^-8
10^-9
10^-10
5
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
50-Sn-116


MAT 5037
(n,p)
50-Sn-116
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
Incident Energy (MeV)
15
50-Sn-116


MAT 5037
(n,d)
50-Sn-116
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
50-Sn-116


MAT 5037
(n,t)
50-Sn-116
Radionuclide Production Cross Section
49-In-113g
49-In-113m1
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-116


MAT 5037
(n,p) α
50-Sn-116
Radionuclide Production Cross Section
47-Ag-111g
47-Ag-111m1
Cross Section (barns)
Incident Energy (MeV)
18
50-Sn-116