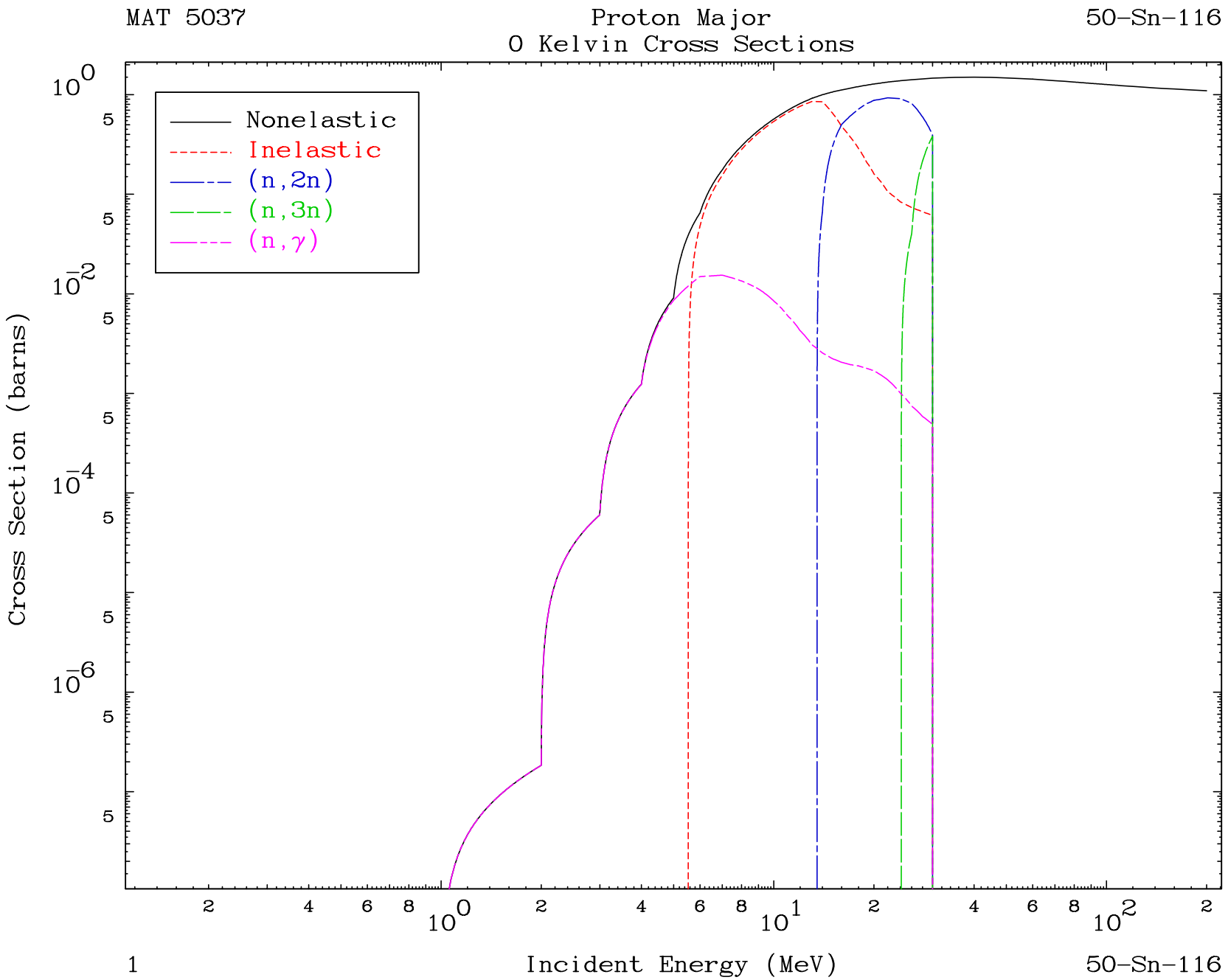
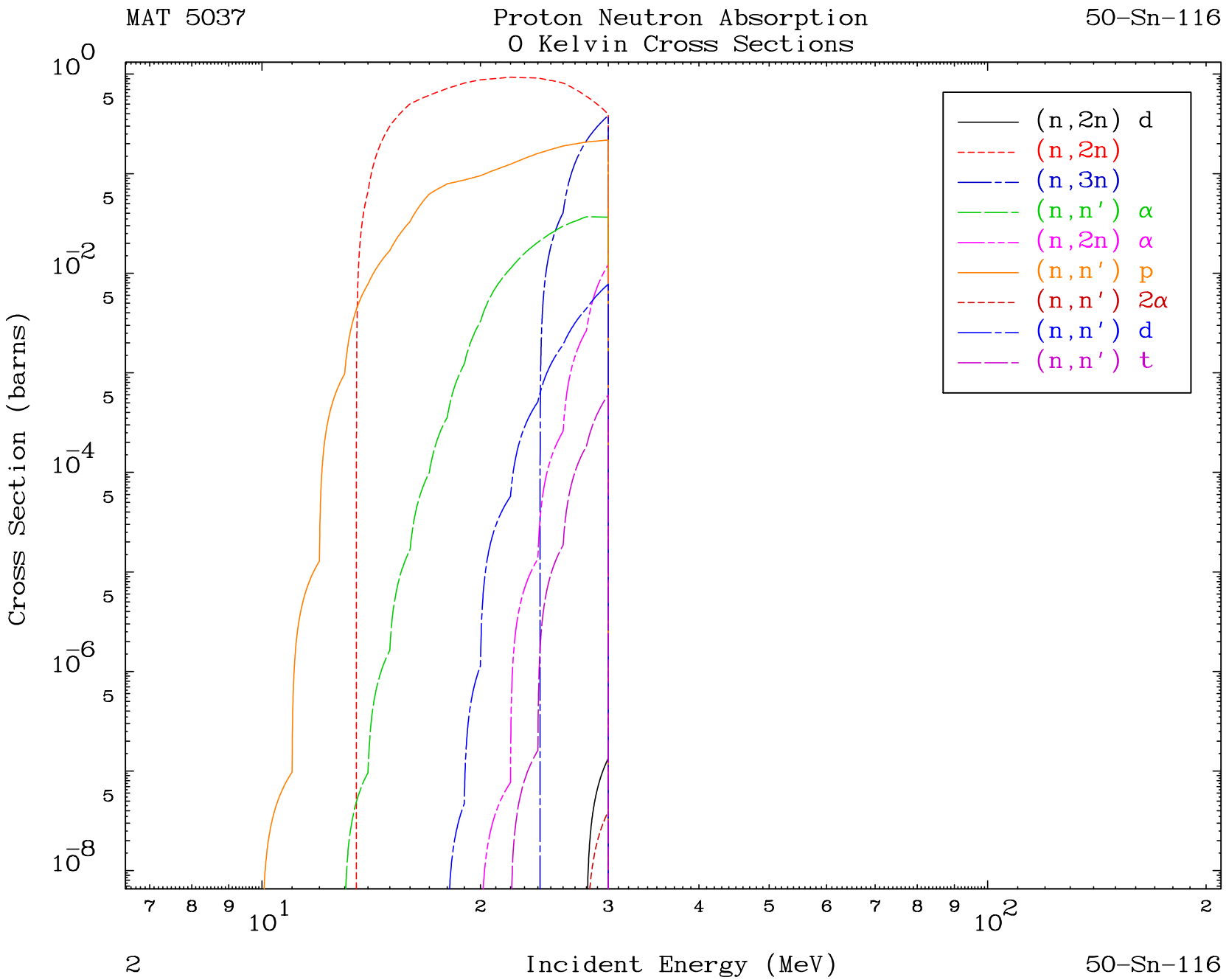
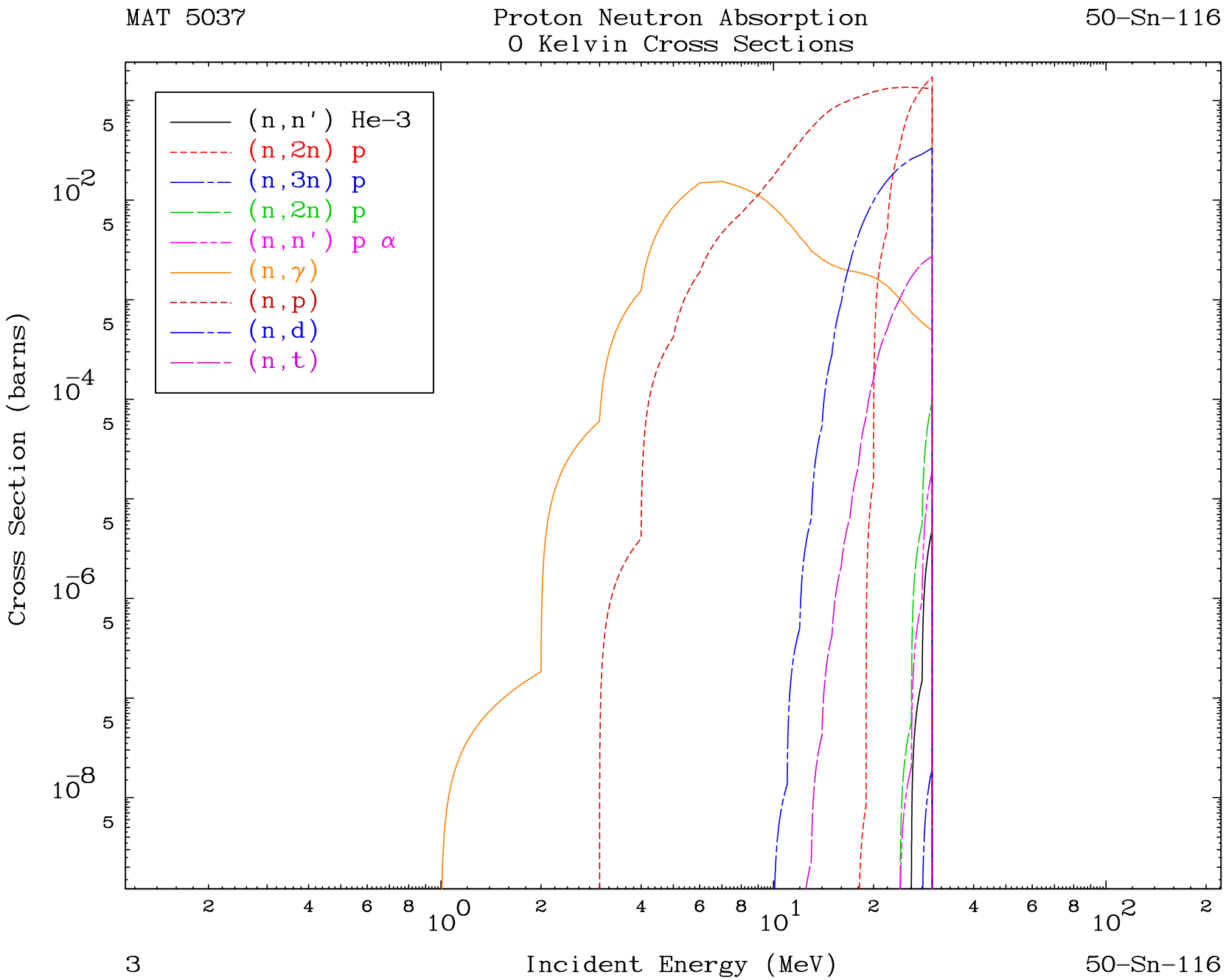
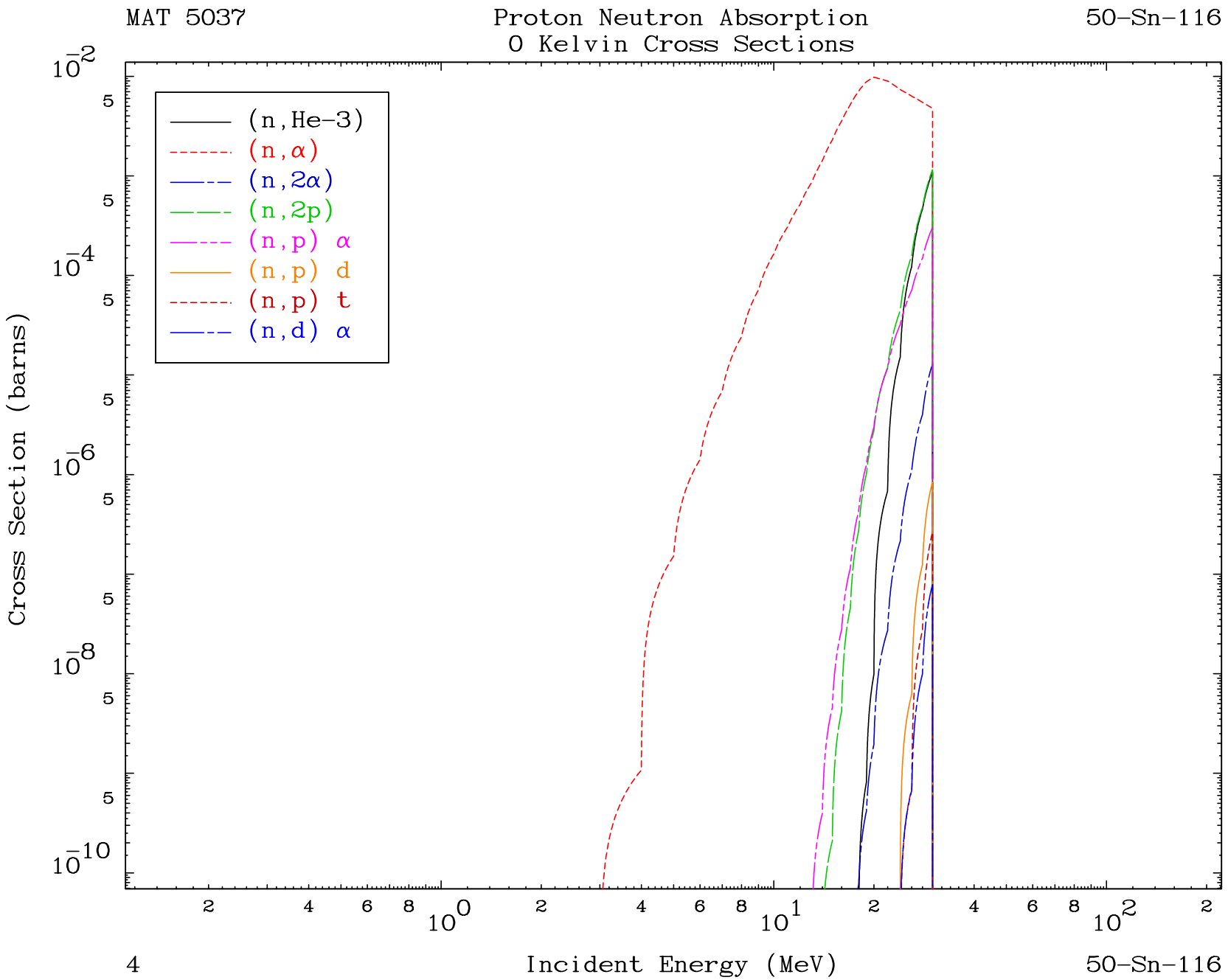
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

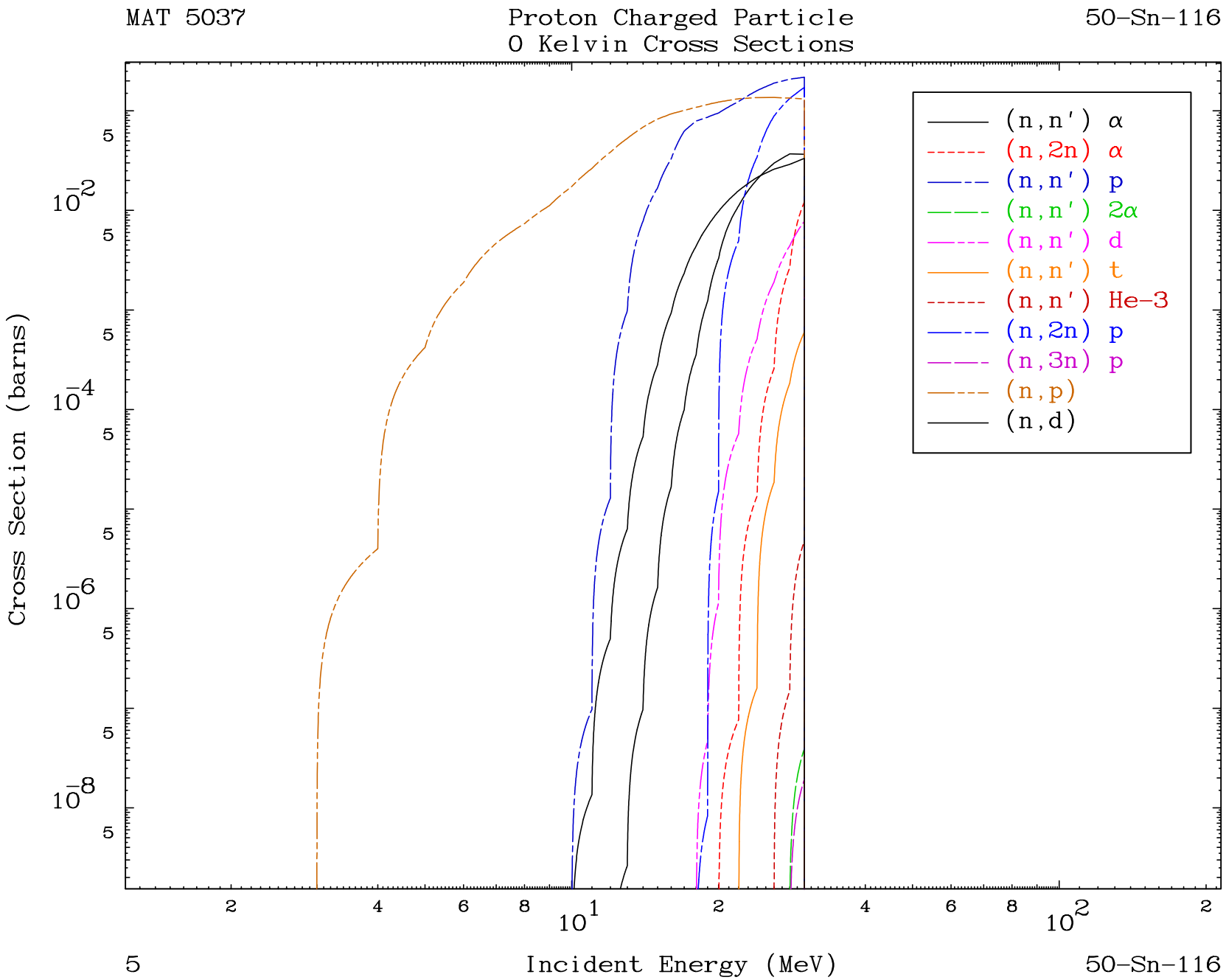
Press Mouse Button to Start

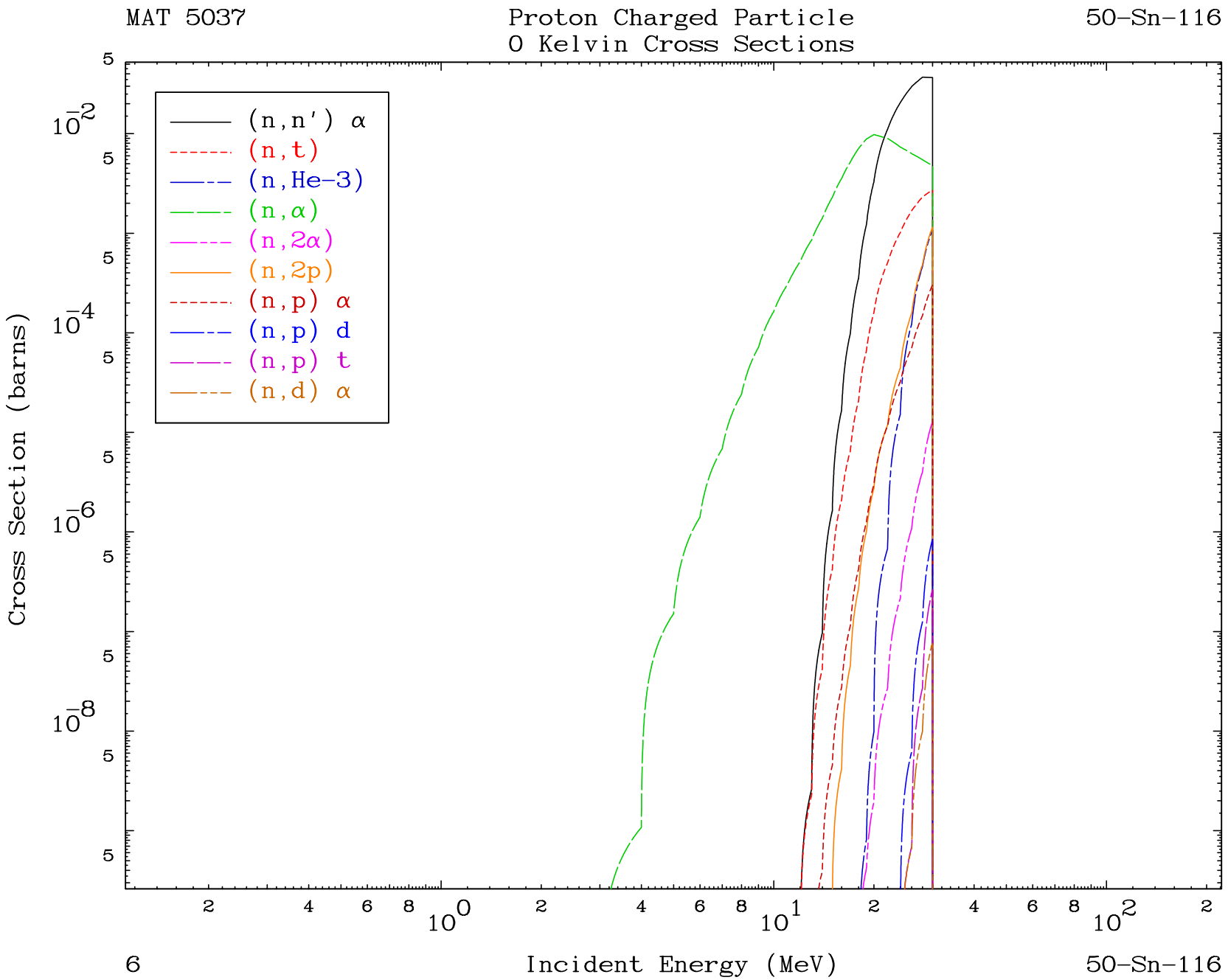

MAT 5037
Proton Major
50-Sn-116
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-116
1

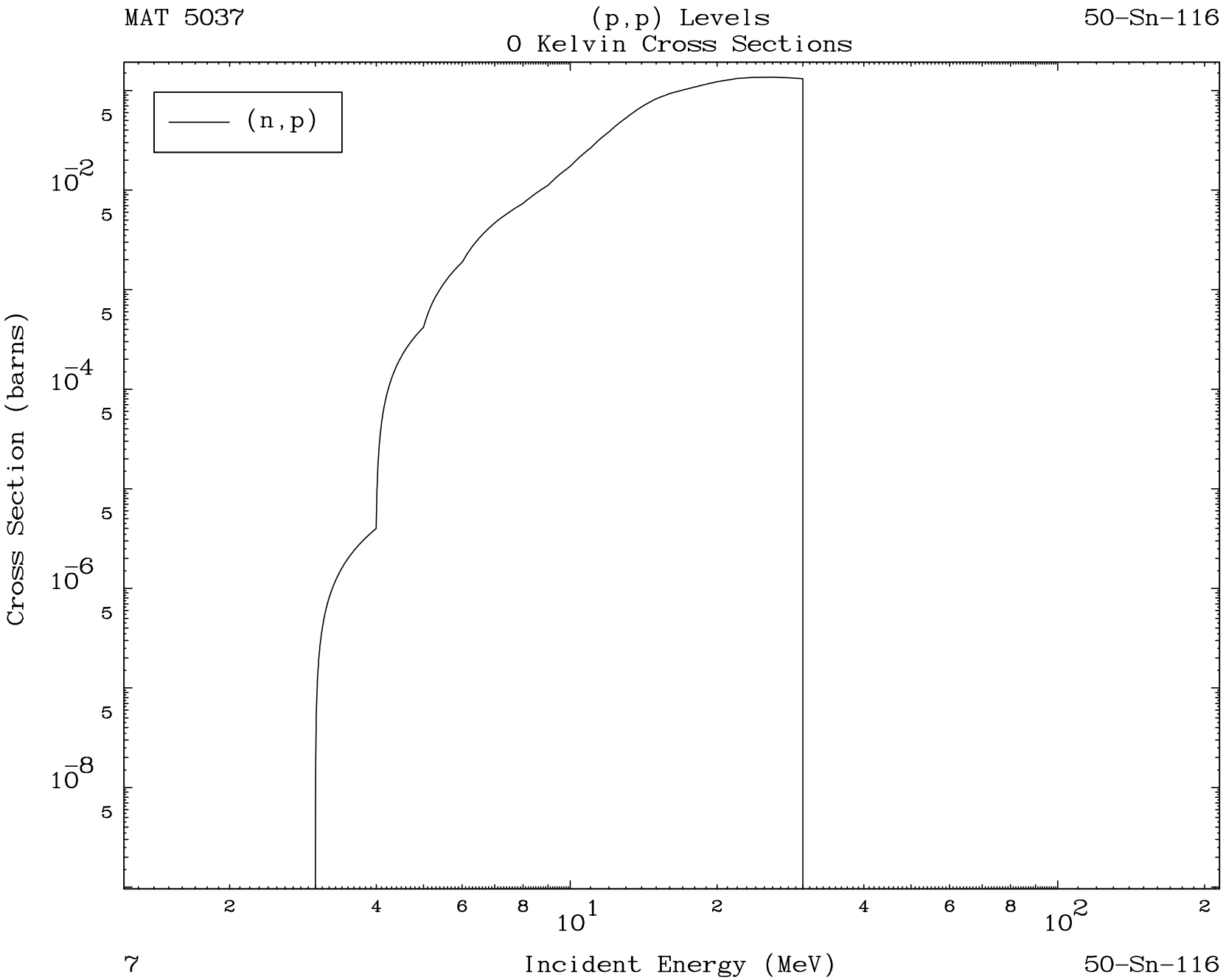

MAT 5037
Proton Neutron Absorption
0 Kelvin Cross Sections
50-Sn-116
Cross Section (barns)
Incident Energy (MeV)
50-Sn-116
2
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t

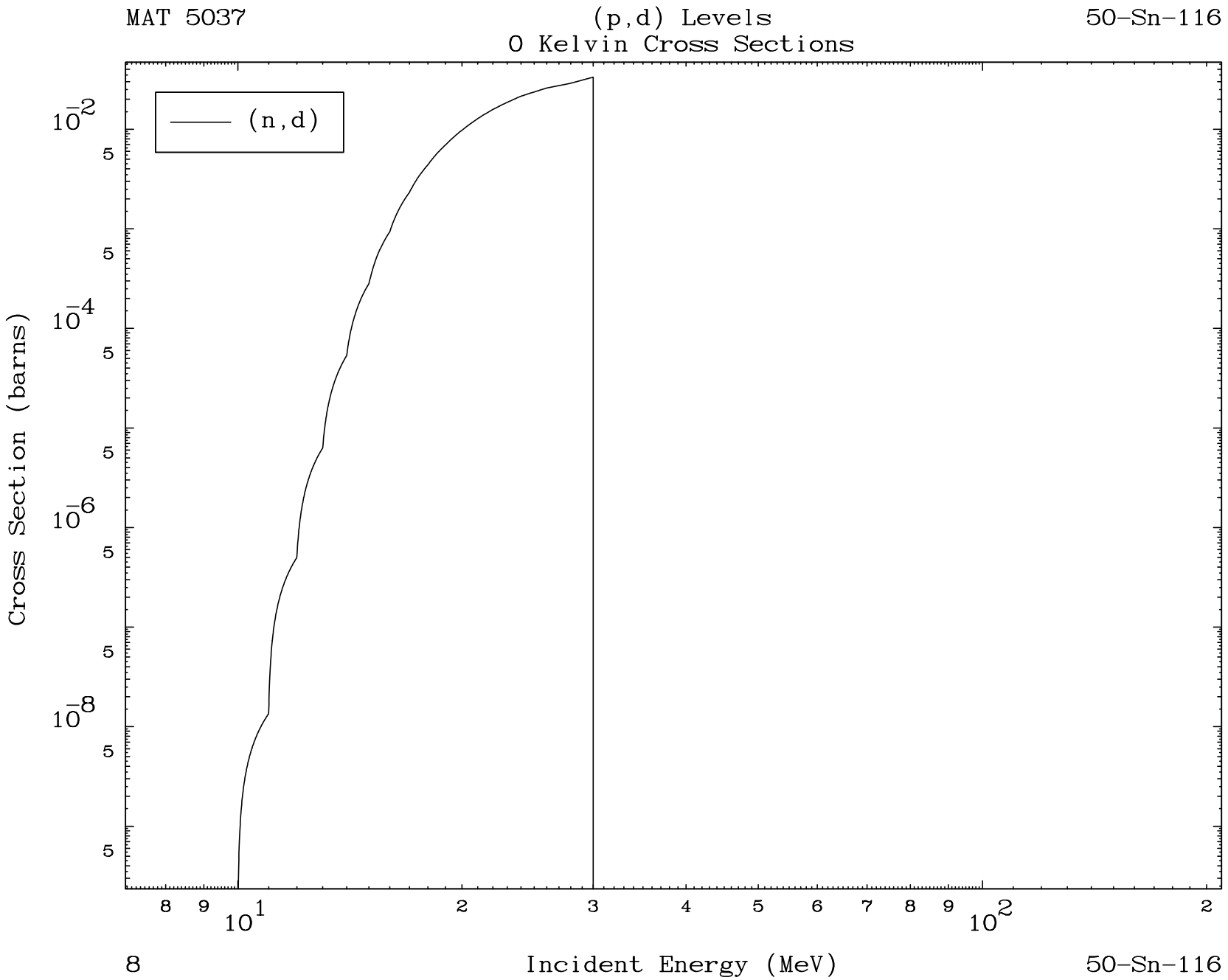

MAT 5037
Proton Neutron Absorption
0 Kelvin Cross Sections
50-Sn-116
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-116

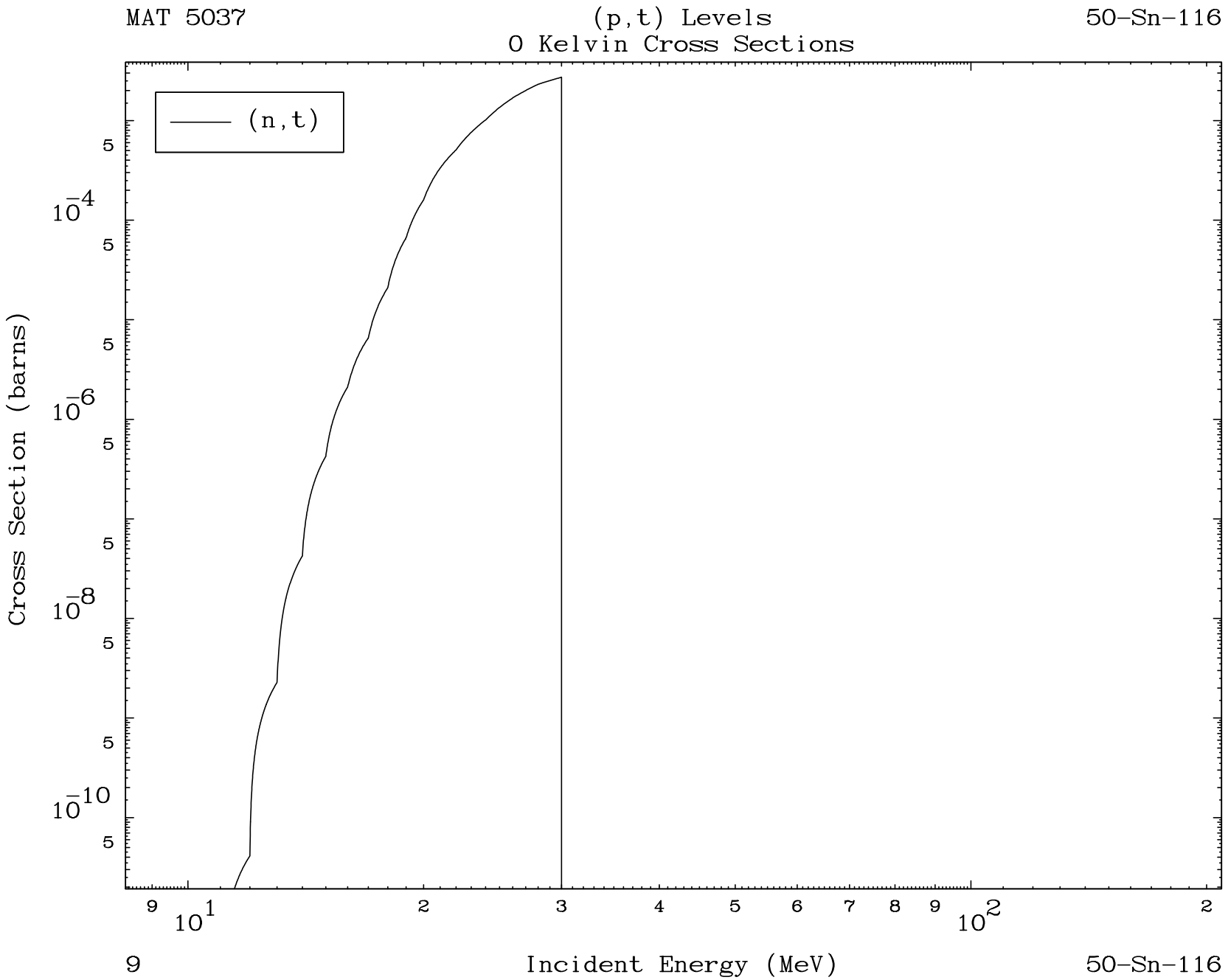

MAT 5037
Proton Neutron Absorption
0 Kelvin Cross Sections
50-Sn-116
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
50-Sn-116

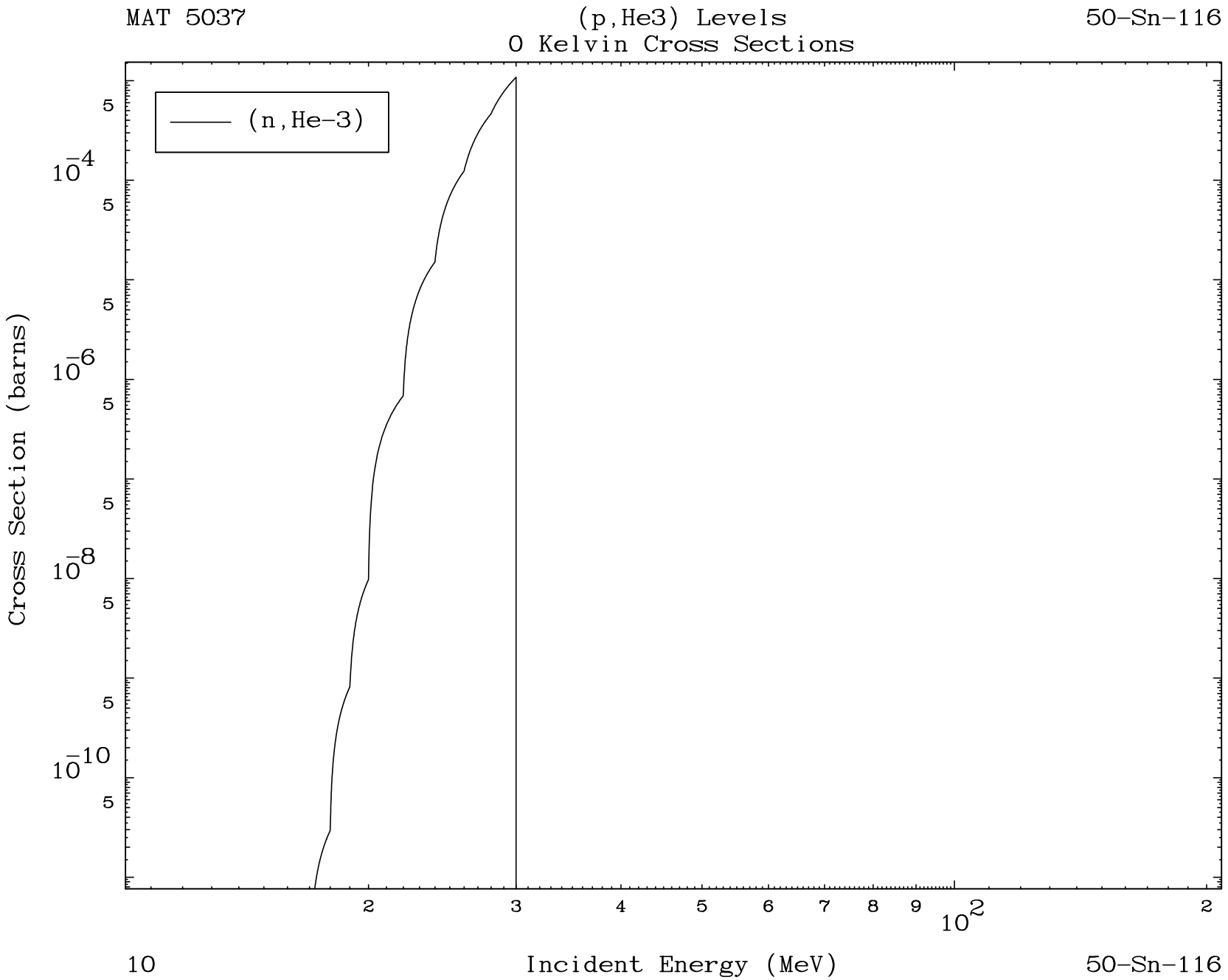

MAT 5037
Proton Charged Particle
0 Kelvin Cross Sections
50-Sn-116
Cross Section (barns)
Incident Energy (MeV)
50-Sn-116
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)

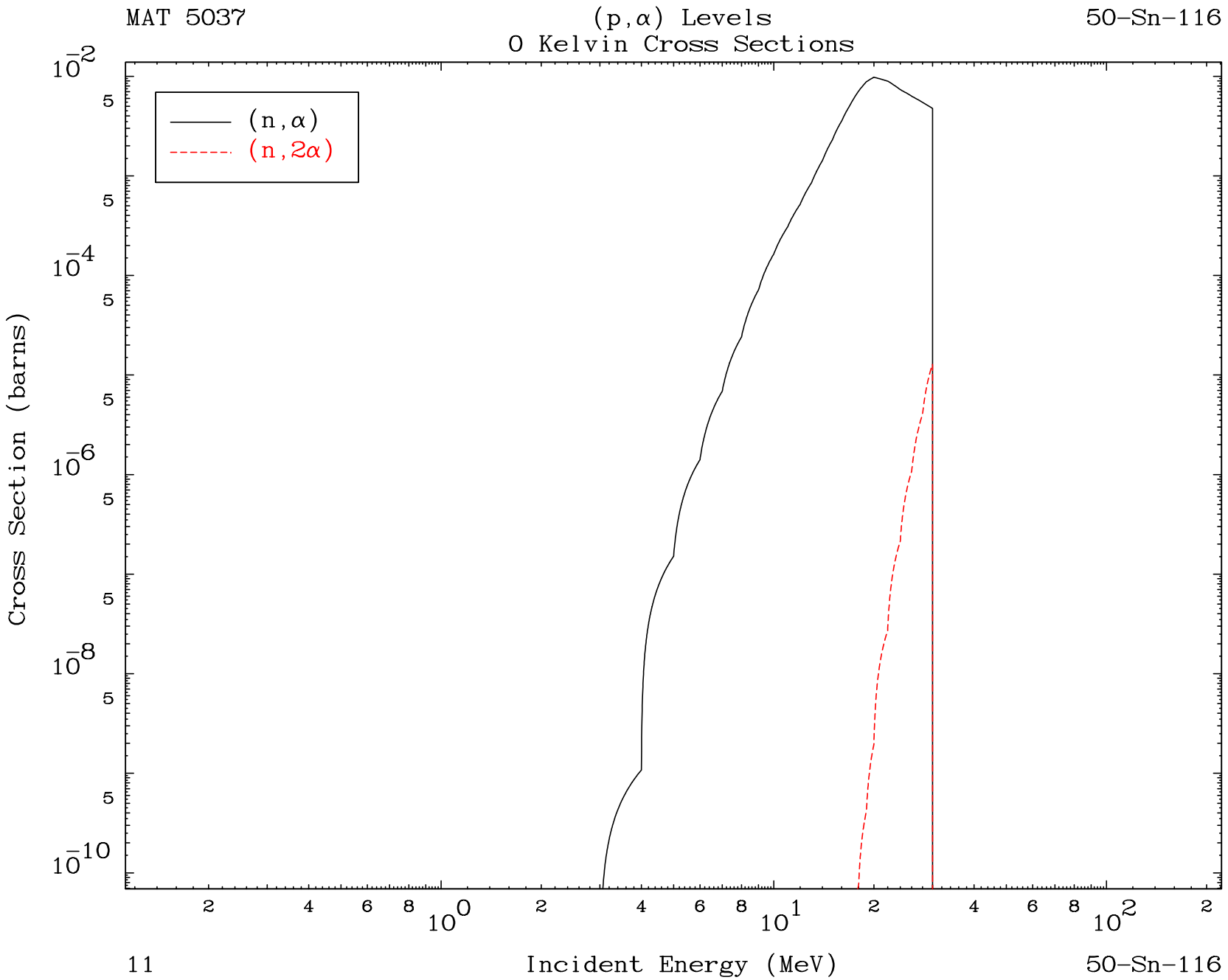

MAT 5037
Proton Charged Particle
0 Kelvin Cross Sections
50-Sn-116
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
50-Sn-116


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


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


MAT 5037
(p,t) Levels
50-Sn-116
0 Kelvin Cross Sections
(n,t)
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)
9
50-Sn-116


MAT 5037
(p,He3) Levels
50-Sn-116
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
50-Sn-116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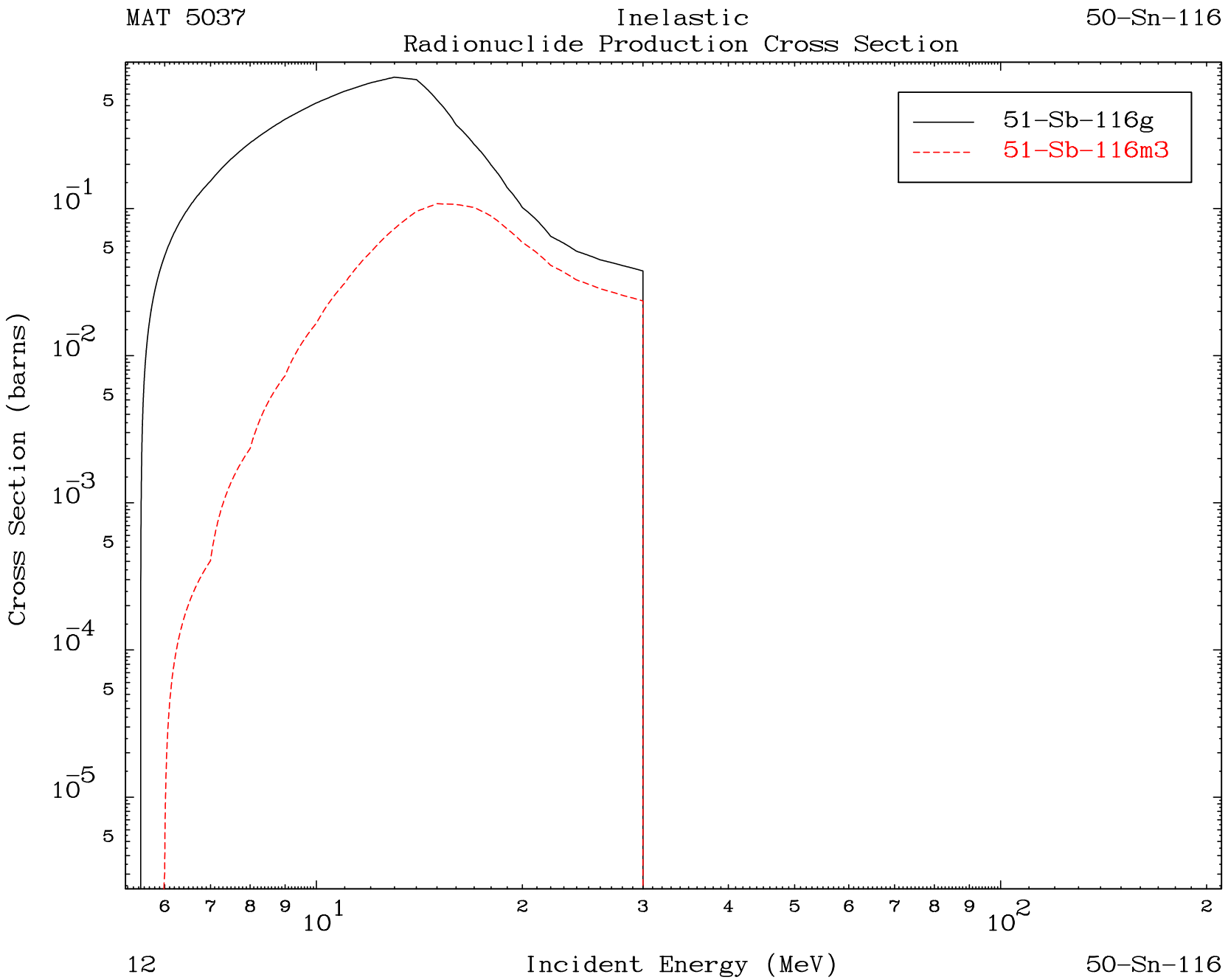
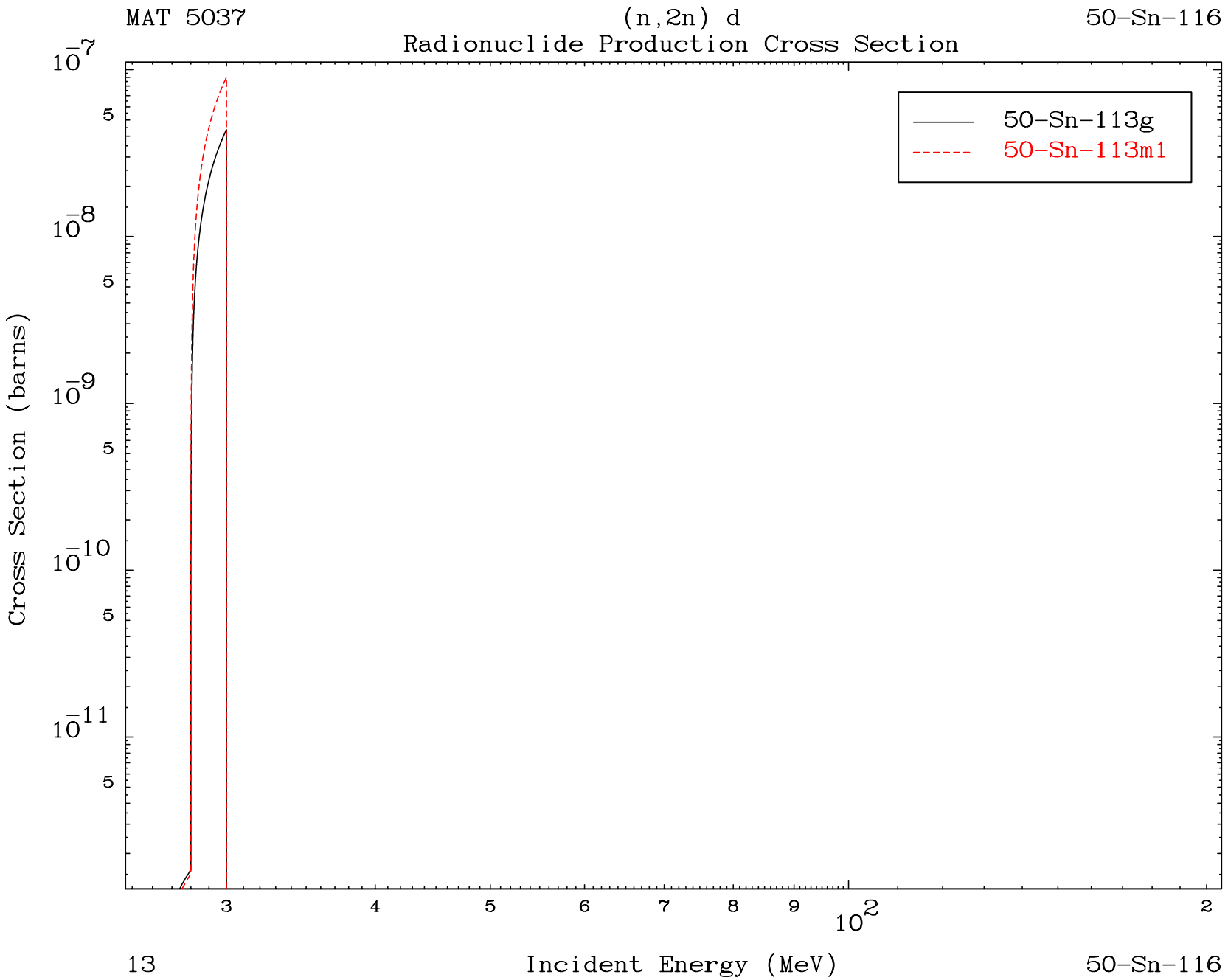
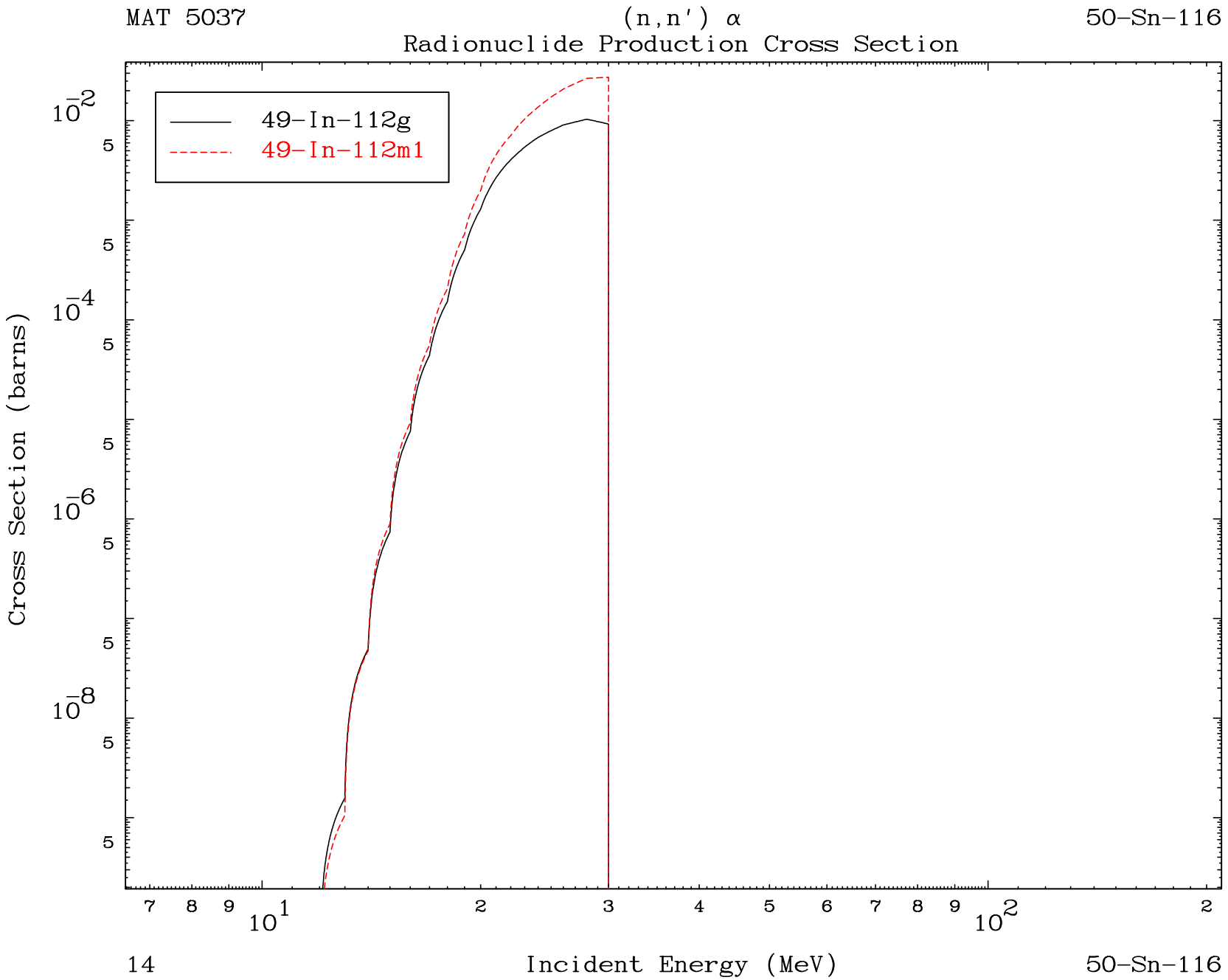
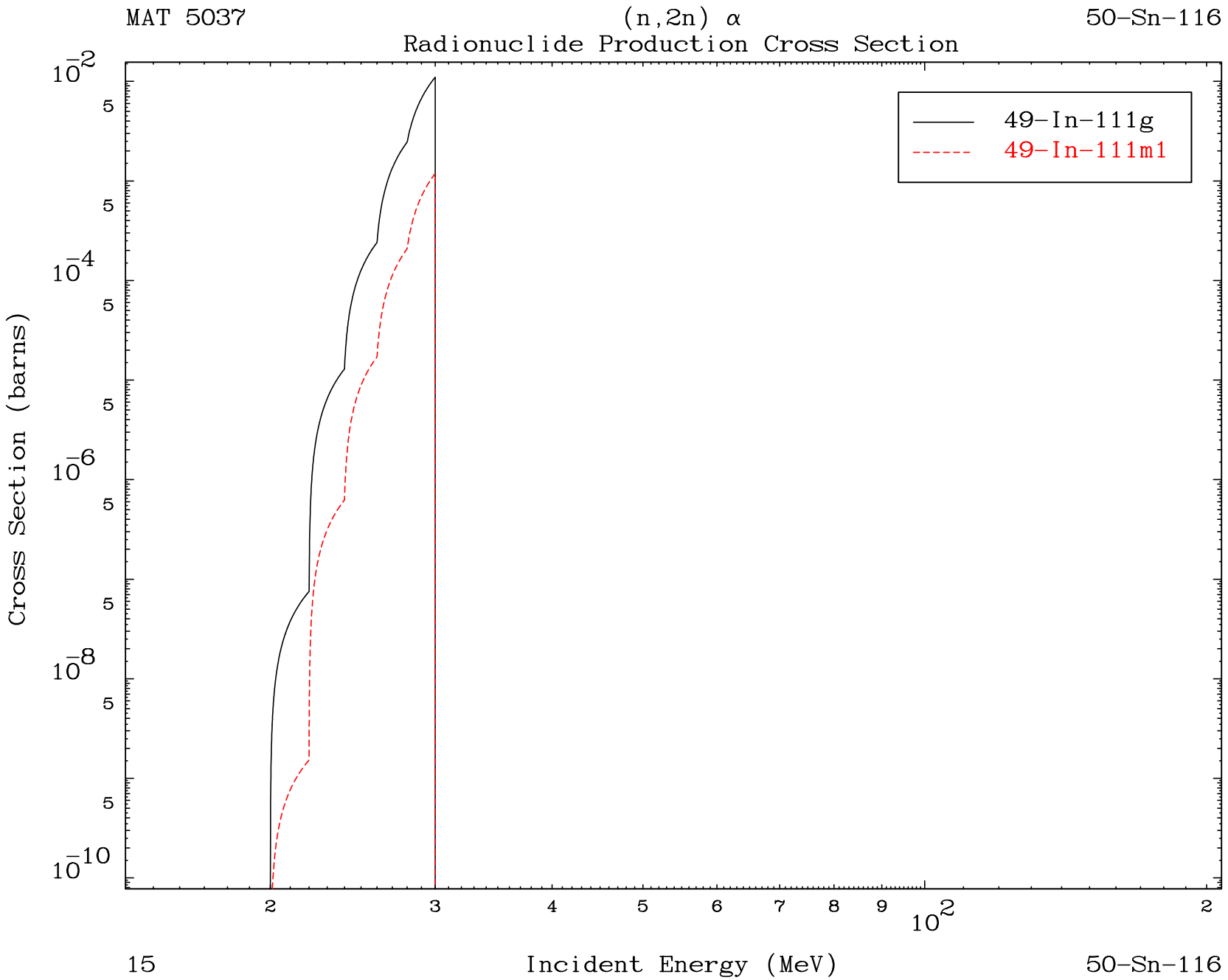
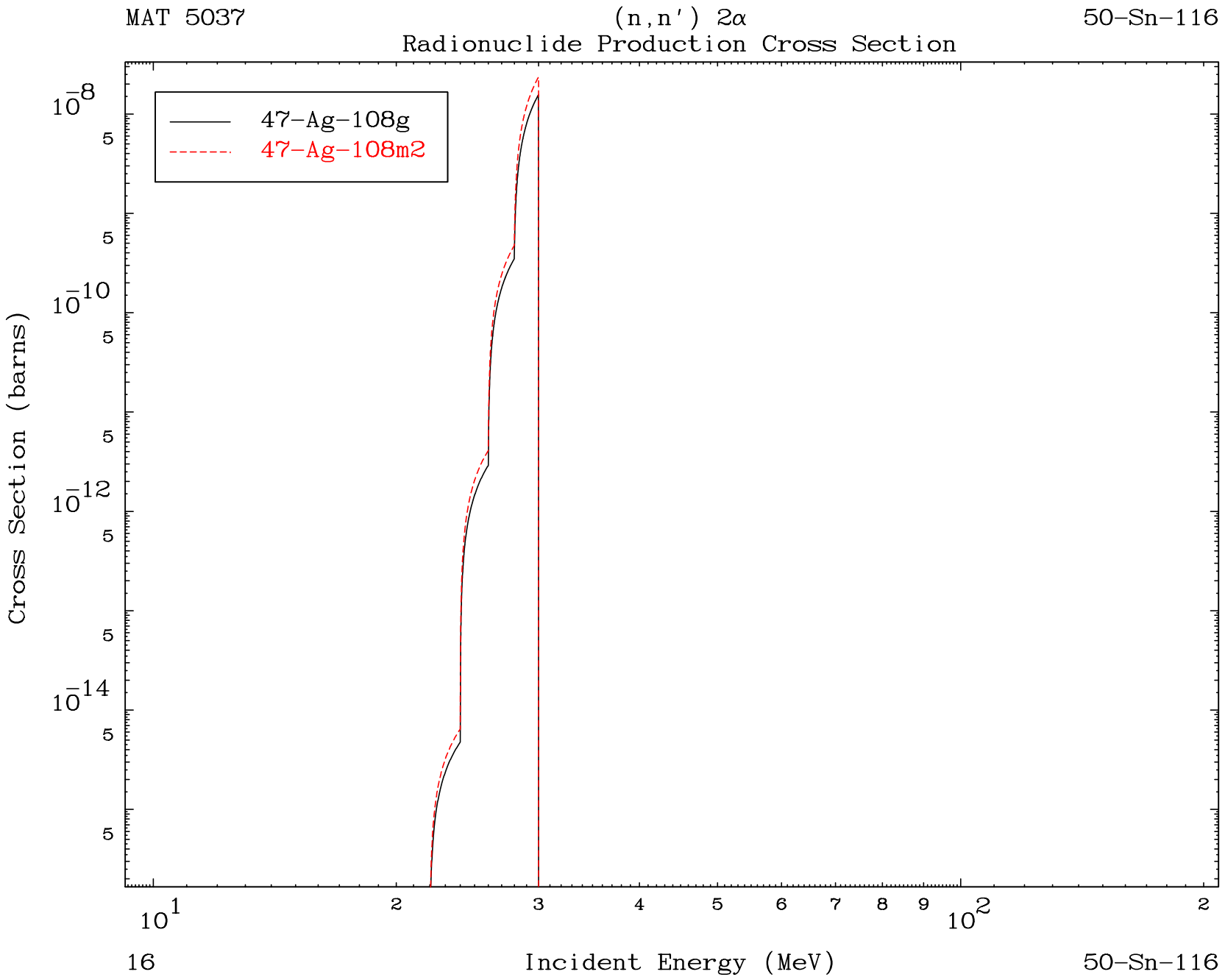
(p,α) Levels
50-Sn-116
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
50-Sn-116

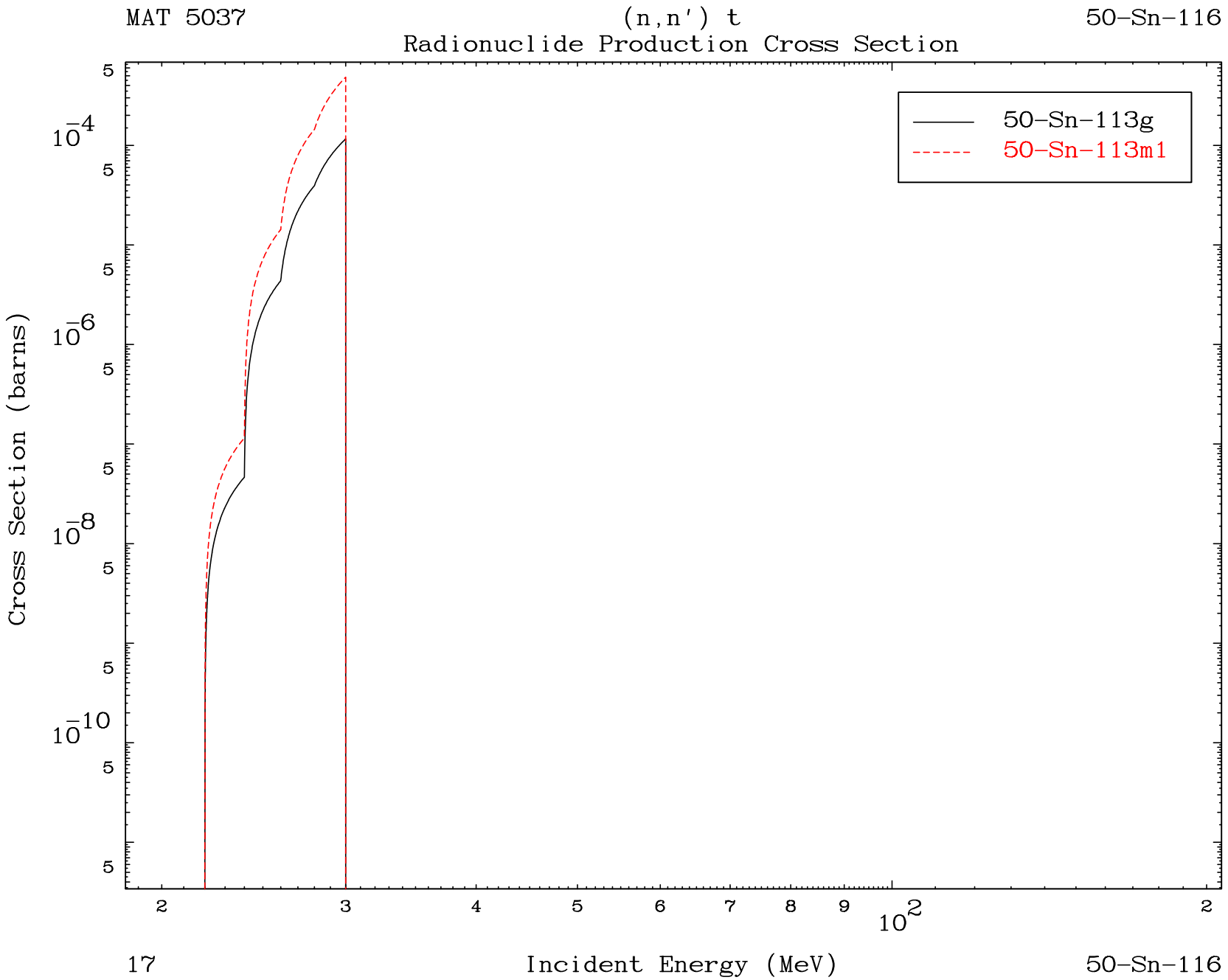

MAT 5037
Inelastic
50-Sn-116
Radionuclide Production Cross Section
51-Sb-116g
51-Sb-116m3
Cross Section (barns)
Incident Energy (MeV)
12
50-Sn-116

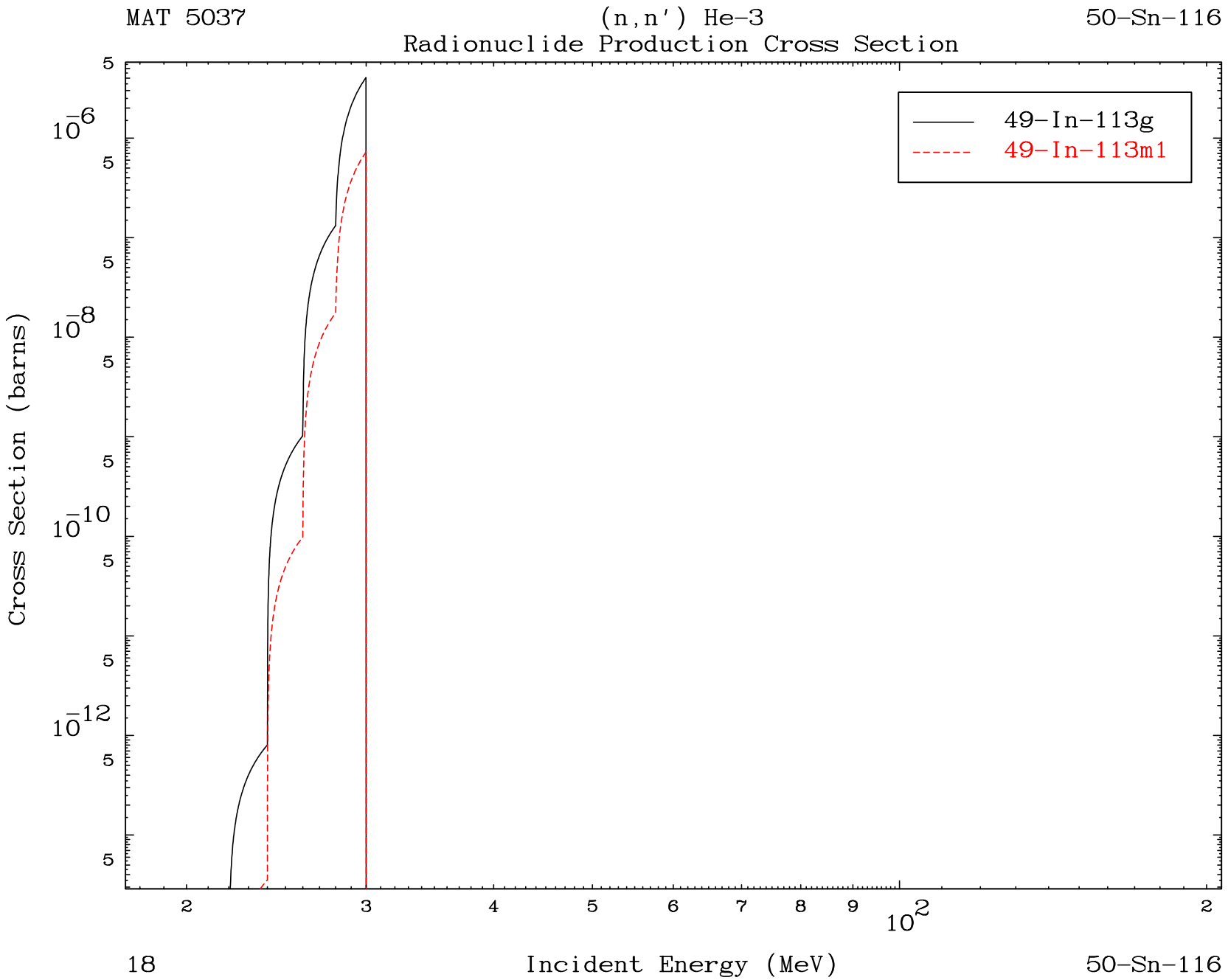

MAT 5037
(n,2n) d
50-Sn-116
Radionuclide Production Cross Section
50-Sn-113g
50-Sn-113m1
Cross Section (barns)
Incident Energy (MeV)
13
50-Sn-116

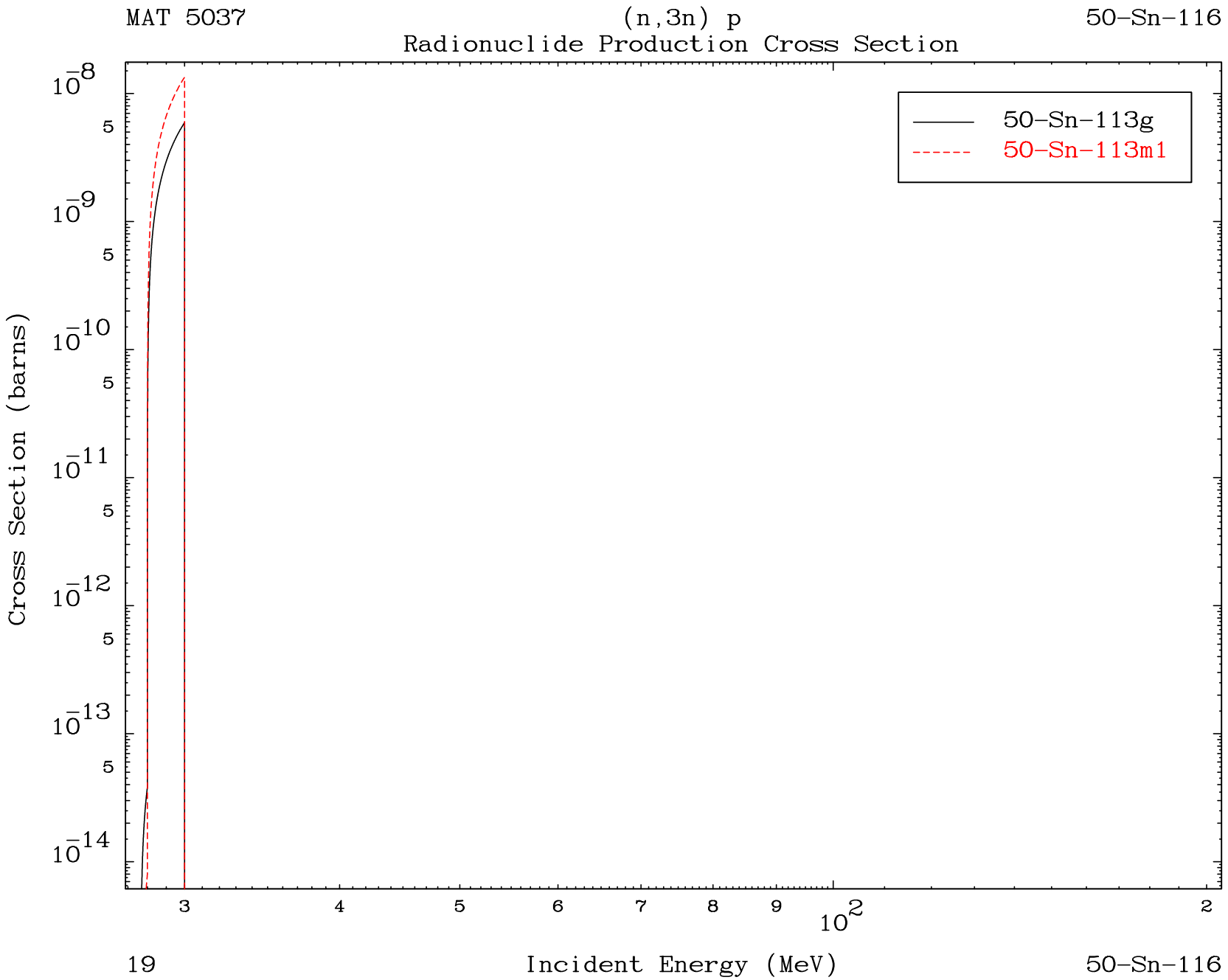

MAT 5037
(n,n') α
50-Sn-116
Radionuclide Production Cross Section
49-In-112g
49-In-112m1
Cross Section (barns)
Incident Energy (MeV)
14
50-Sn-116

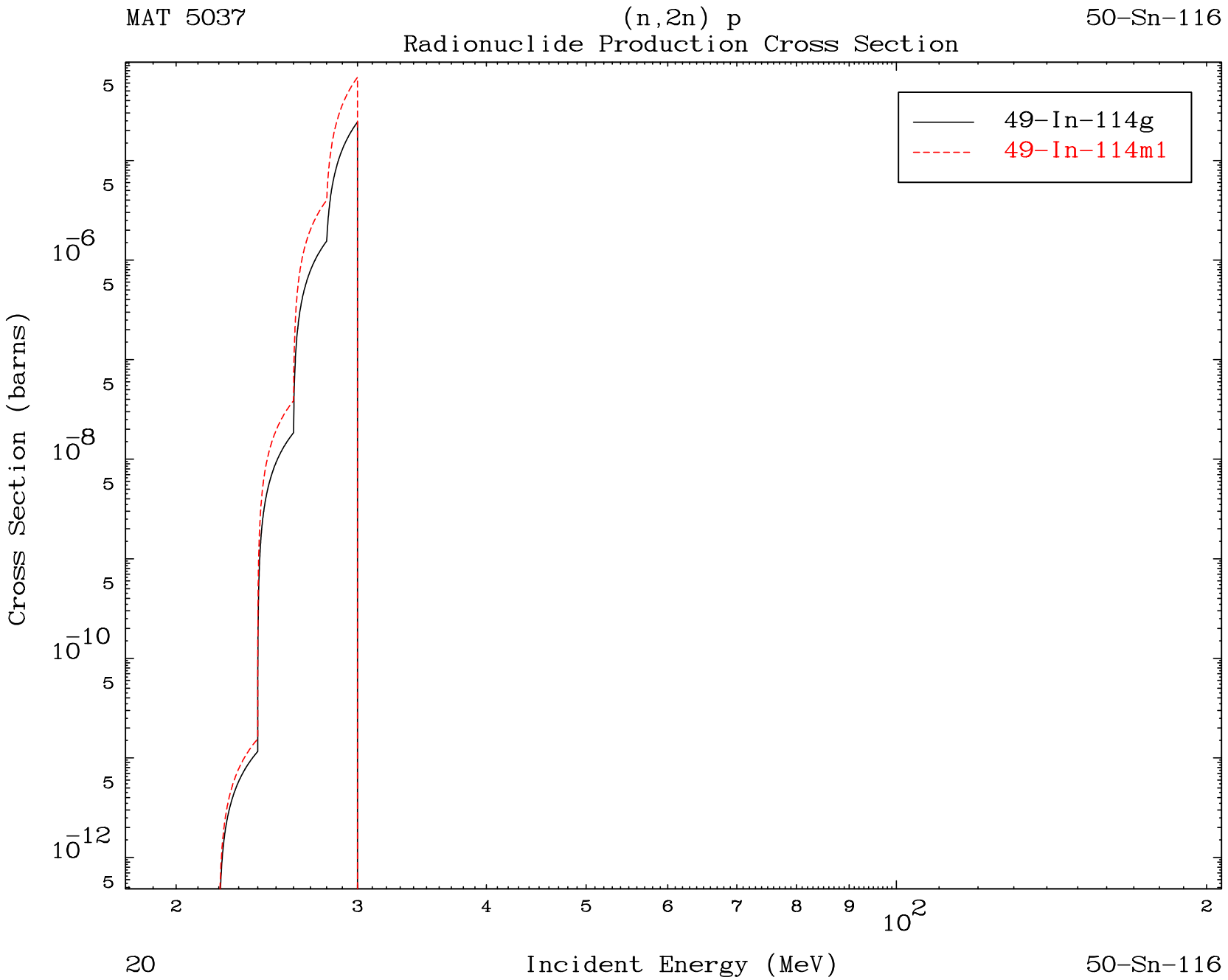

MAT 5037
(n,2n) α
50-Sn-116
Radionuclide Production Cross Section
49-In-111g
49-In-111m1
Cross Section (barns)
Incident Energy (MeV)
15
50-Sn-116

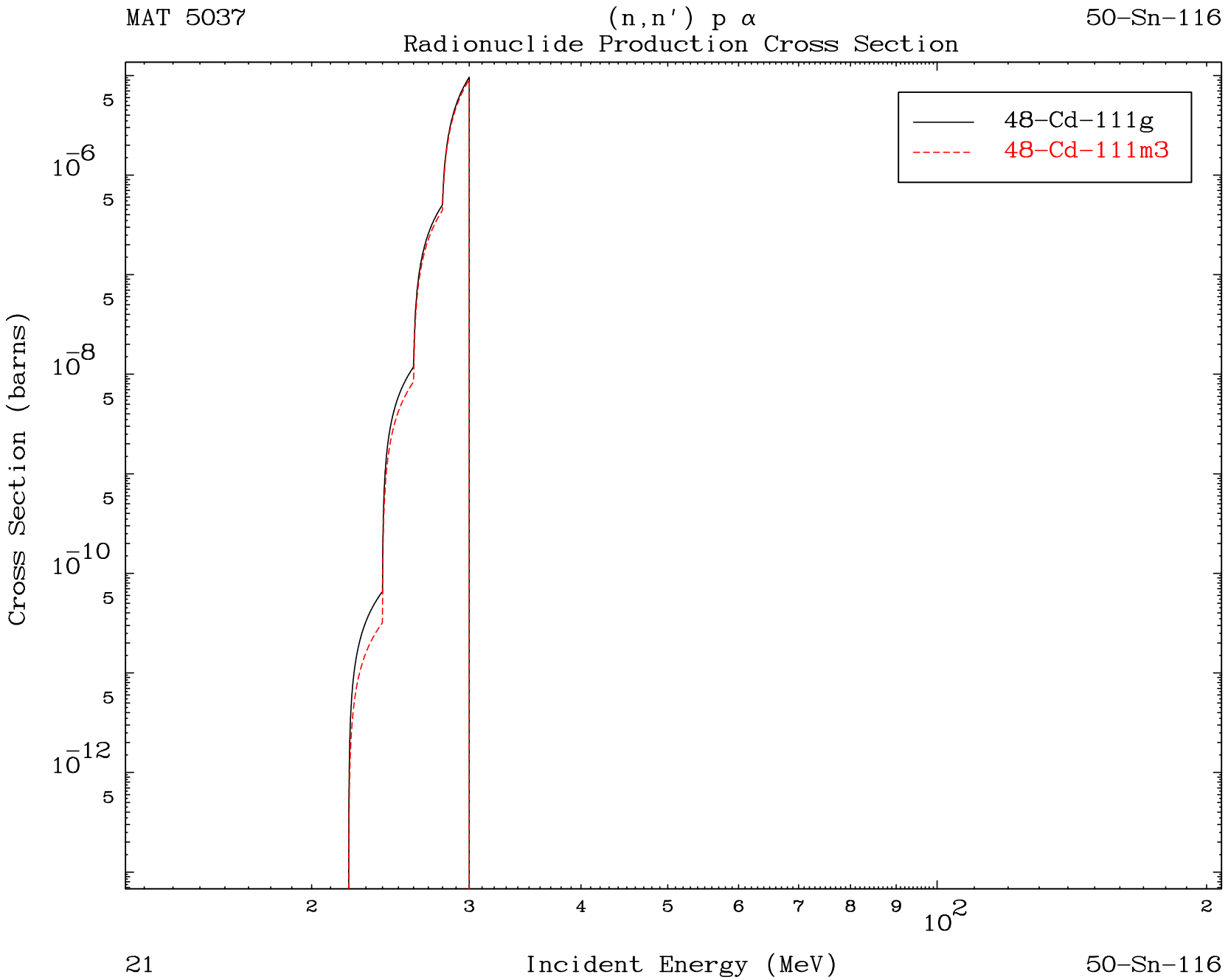

MAT 5037
(n,n') 2α
50-Sn-116
Radionuclide Production Cross Section
47-Ag-108g
47-Ag-108m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^1
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
50-Sn-116

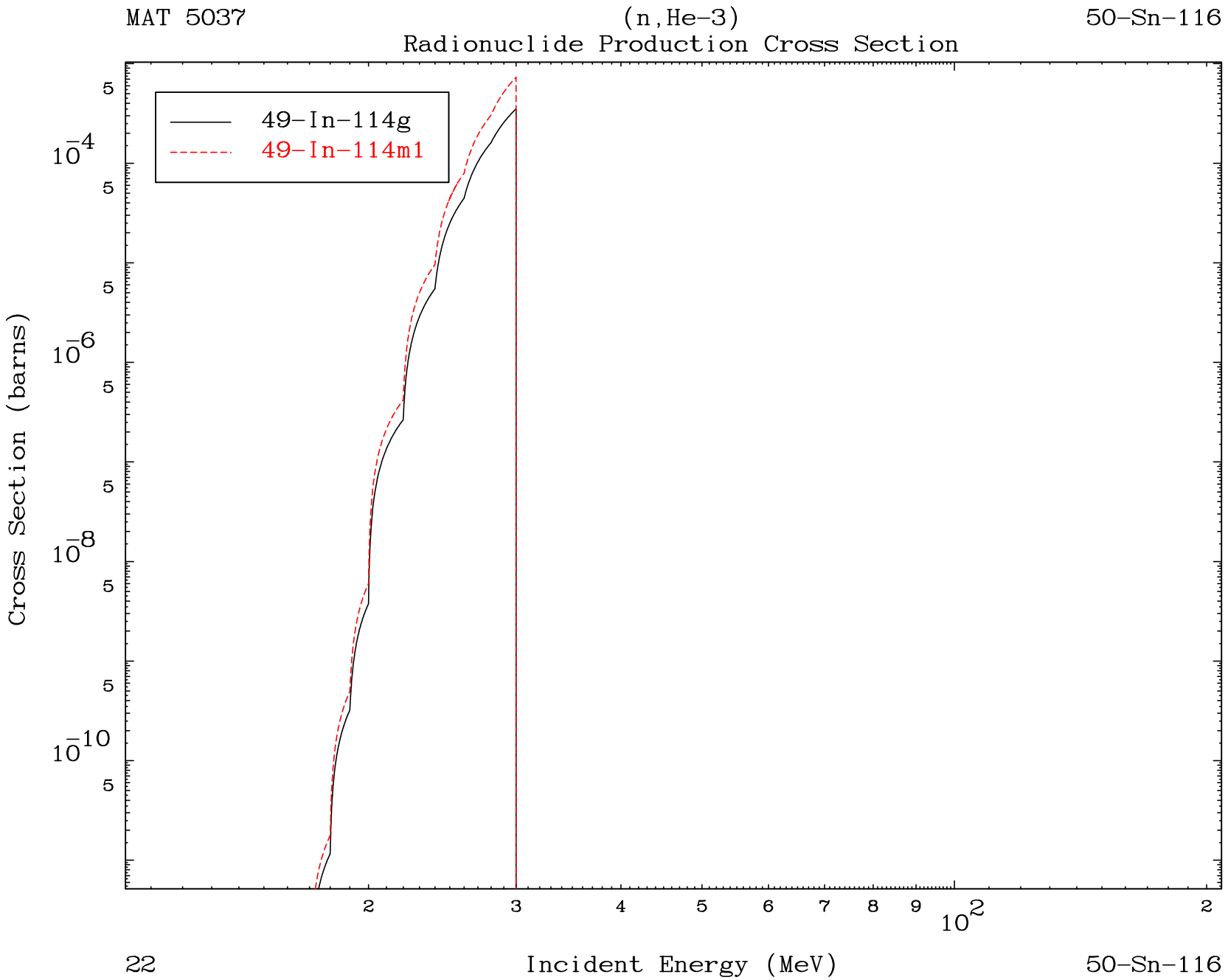

MAT 5037
(n,n') t
50-Sn-116
Radionuclide Production Cross Section
50-Sn-113g
50-Sn-113m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
50-Sn-116

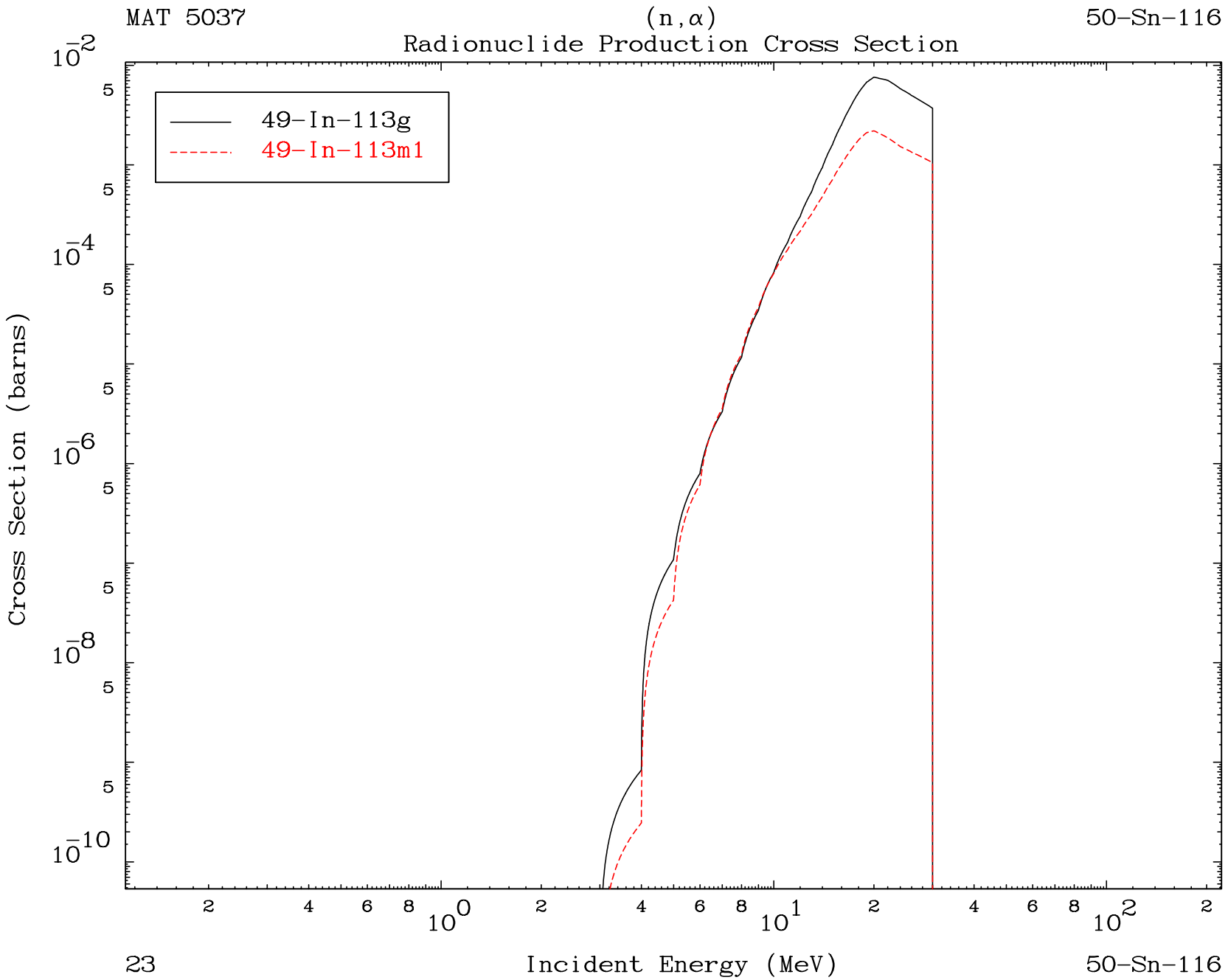

MAT 5037
(n,n') He-3
50-Sn-116
Radionuclide Production Cross Section
49-In-113g
49-In-113m1
Cross Section (barns)
10-6
10-8
10-10
10-12
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
18
50-Sn-116

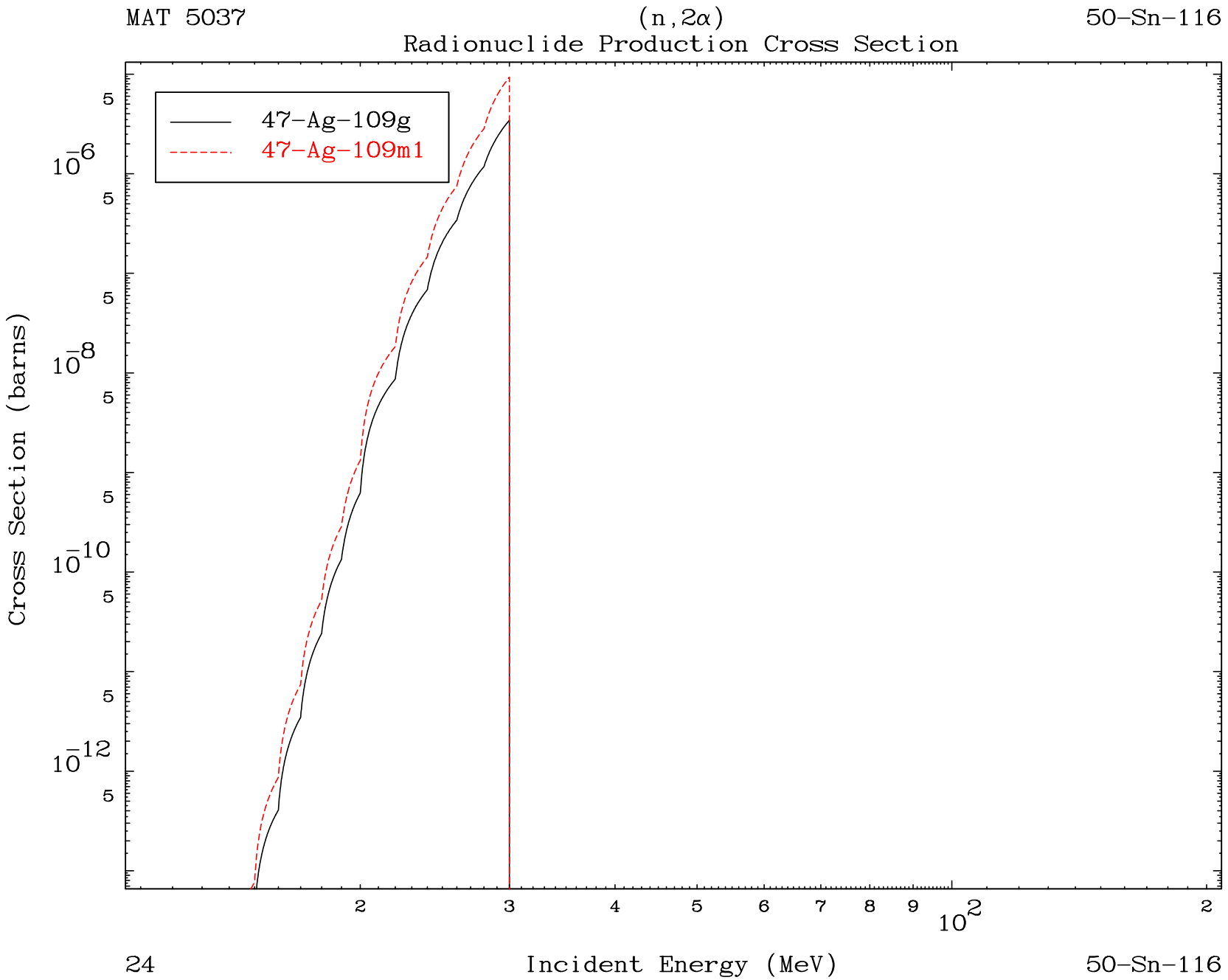

MAT 5037
(n,3n) p
50-Sn-116
Radionuclide Production Cross Section
50-Sn-113g
50-Sn-113m1
Cross Section (barns)
Incident Energy (MeV)
19
50-Sn-116

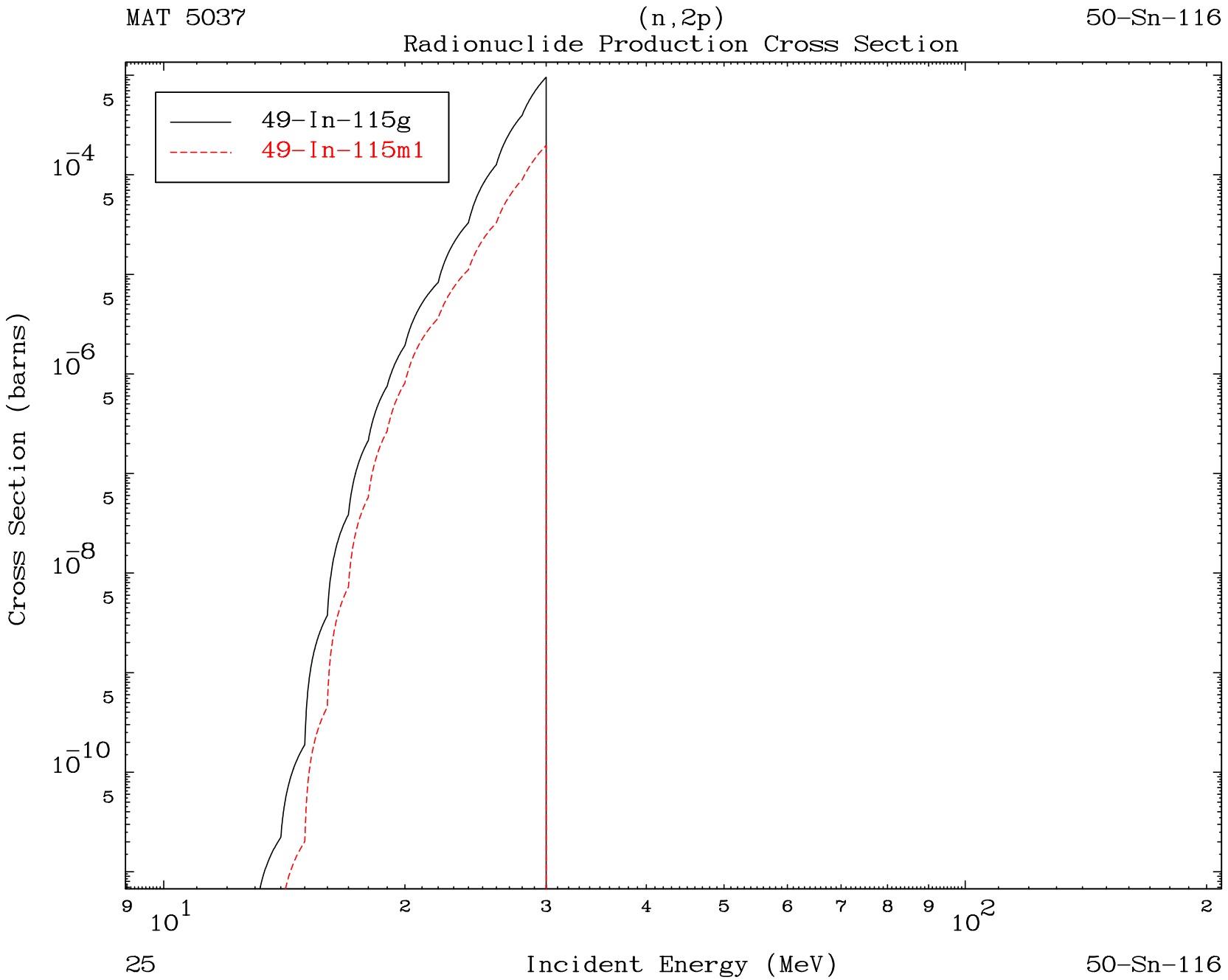

MAT 5037
(n,2n) p
50-Sn-116
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
20
Incident Energy (MeV)
50-Sn-116

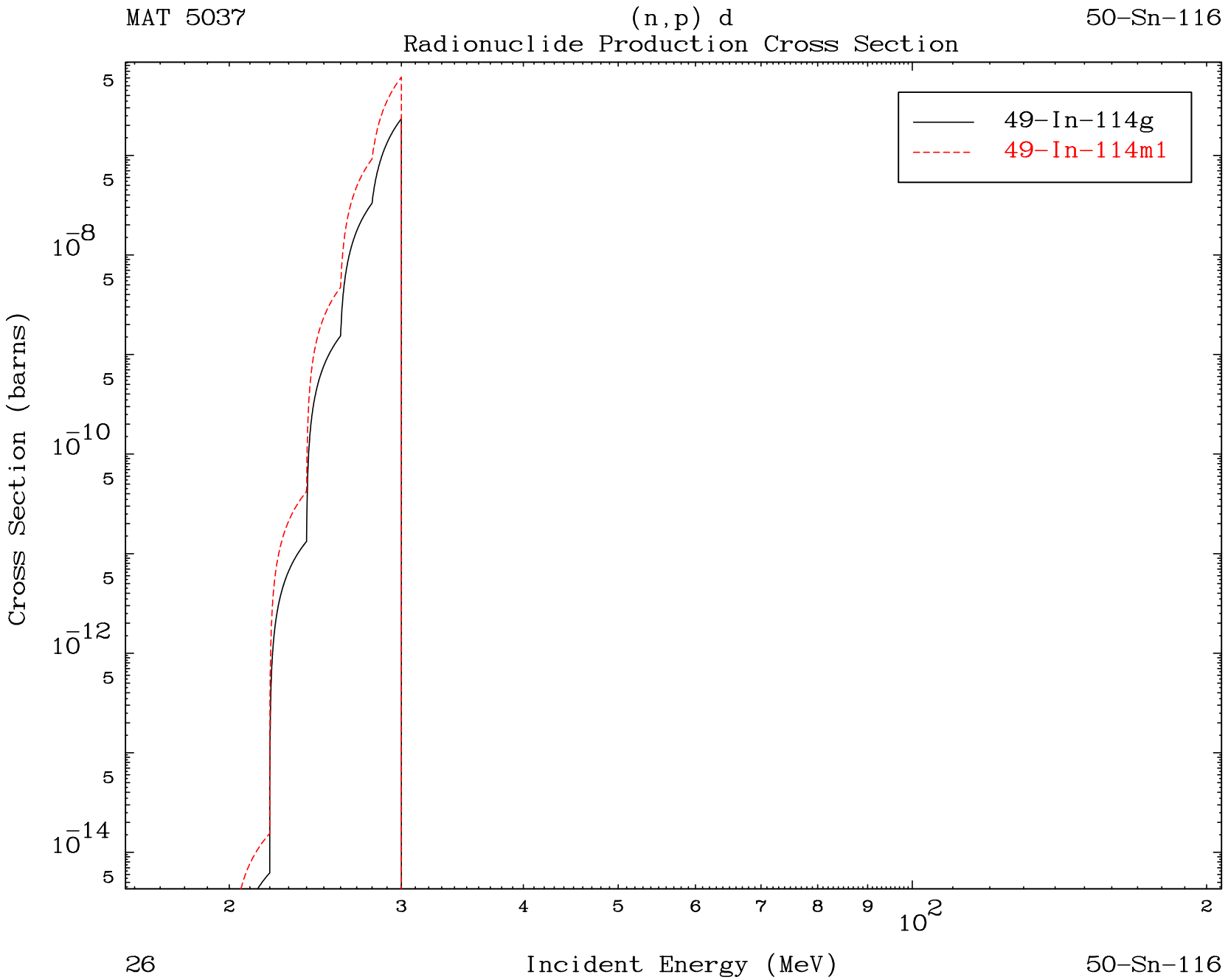

MAT 5037
(n,n') p α
50-Sn-116
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
50-Sn-116

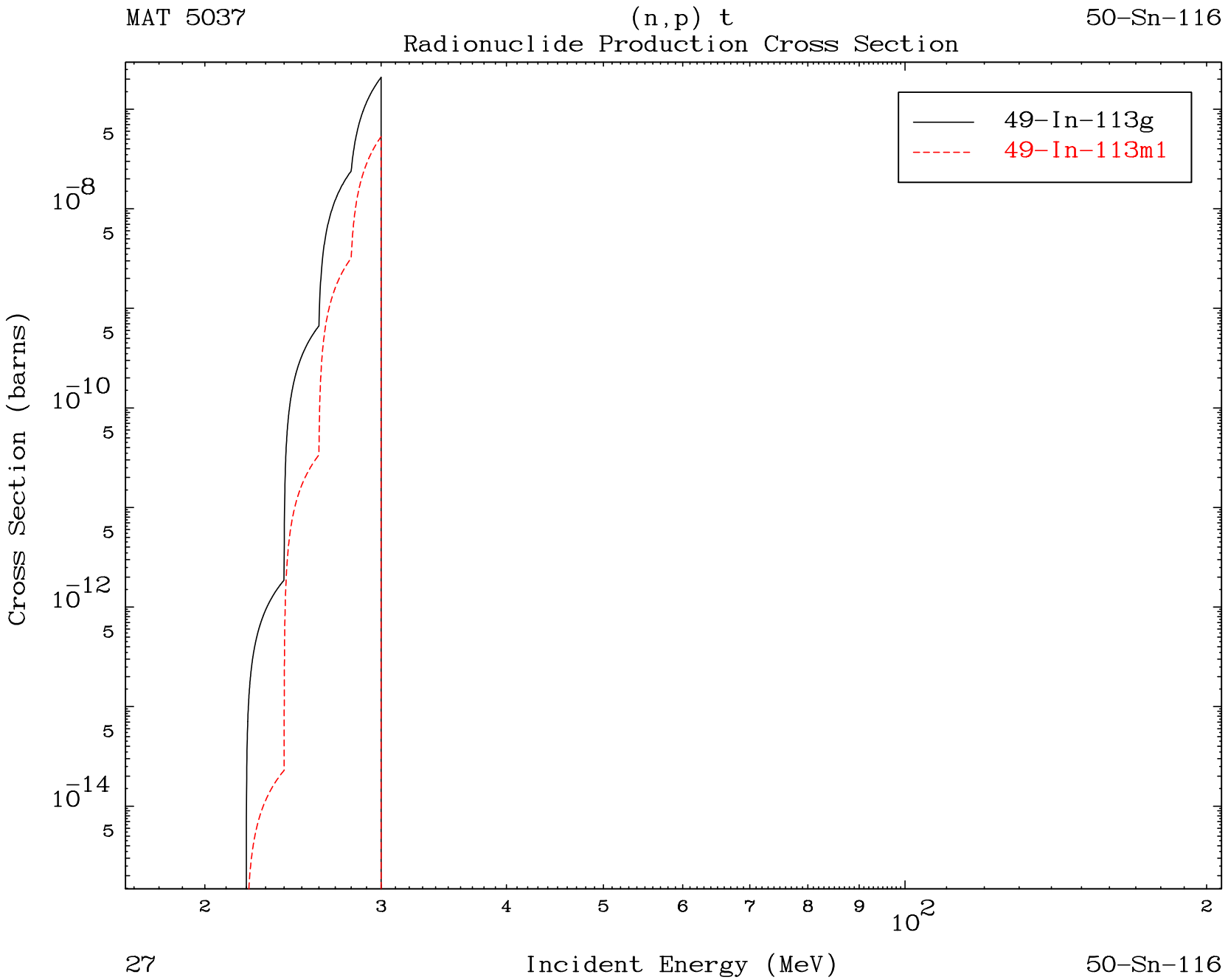

MAT 5037
(n,He-3)
50-Sn-116
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
22
Incident Energy (MeV)
50-Sn-116

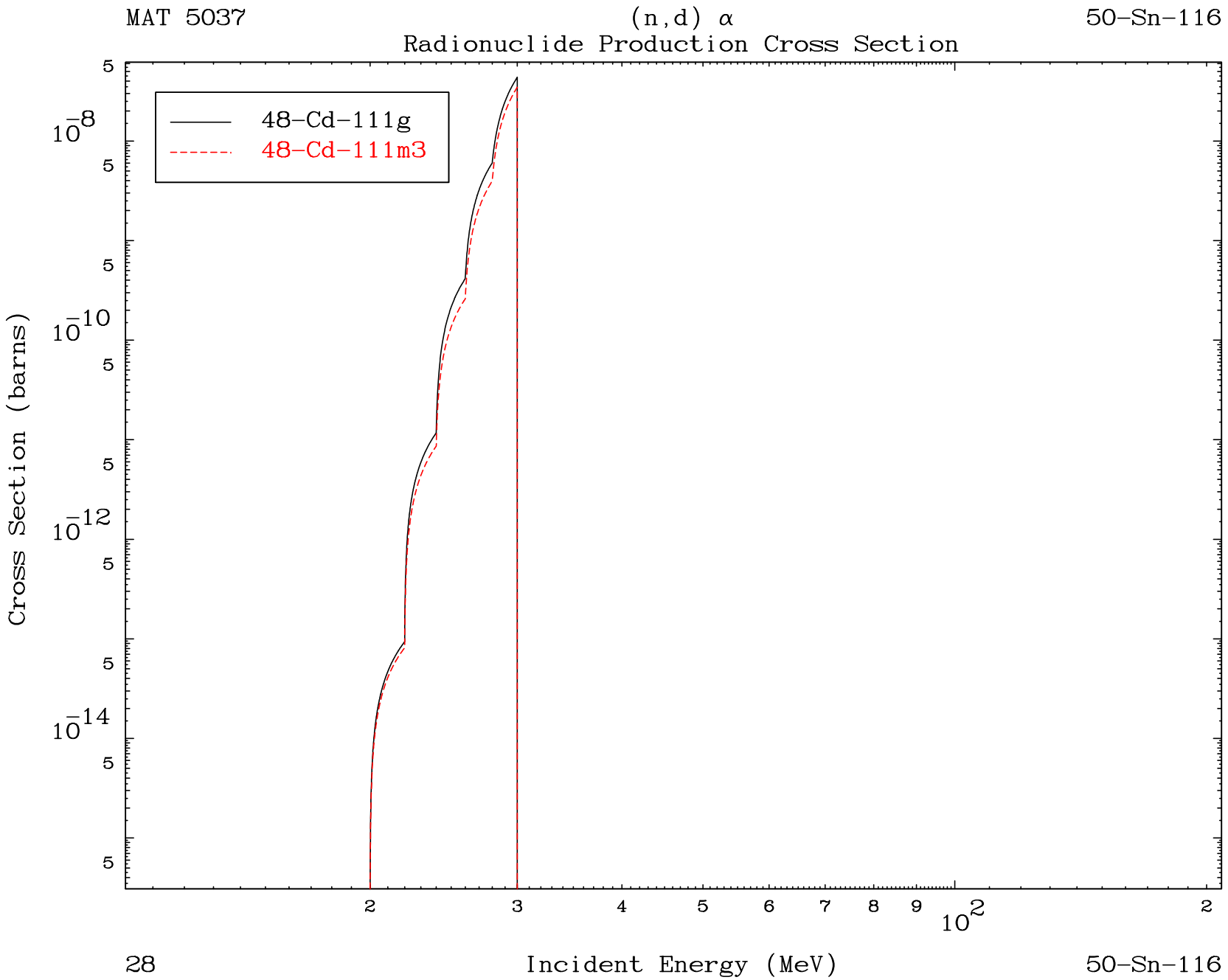

MAT 5037
(n,α)
50-Sn-116
Radionuclide Production Cross Section
49-In-113g
49-In-113m1
Cross Section (barns)
Incident Energy (MeV)
23
50-Sn-116


MAT 5037
(n,2α)
50-Sn-116
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
24
Incident Energy (MeV)
50-Sn-116


MAT 5037
(n,2p)
50-Sn-116
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
Incident Energy (MeV)
25
50-Sn-116


MAT 5037
(n,p) d
50-Sn-116
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
Cross Section (barns)
Incident Energy (MeV)
26
50-Sn-116


MAT 5037
(n,p) 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
27
Incident Energy (MeV)
50-Sn-116


MAT 5037
(n,d) α
50-Sn-116
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
28
Incident Energy (MeV)
50-Sn-116