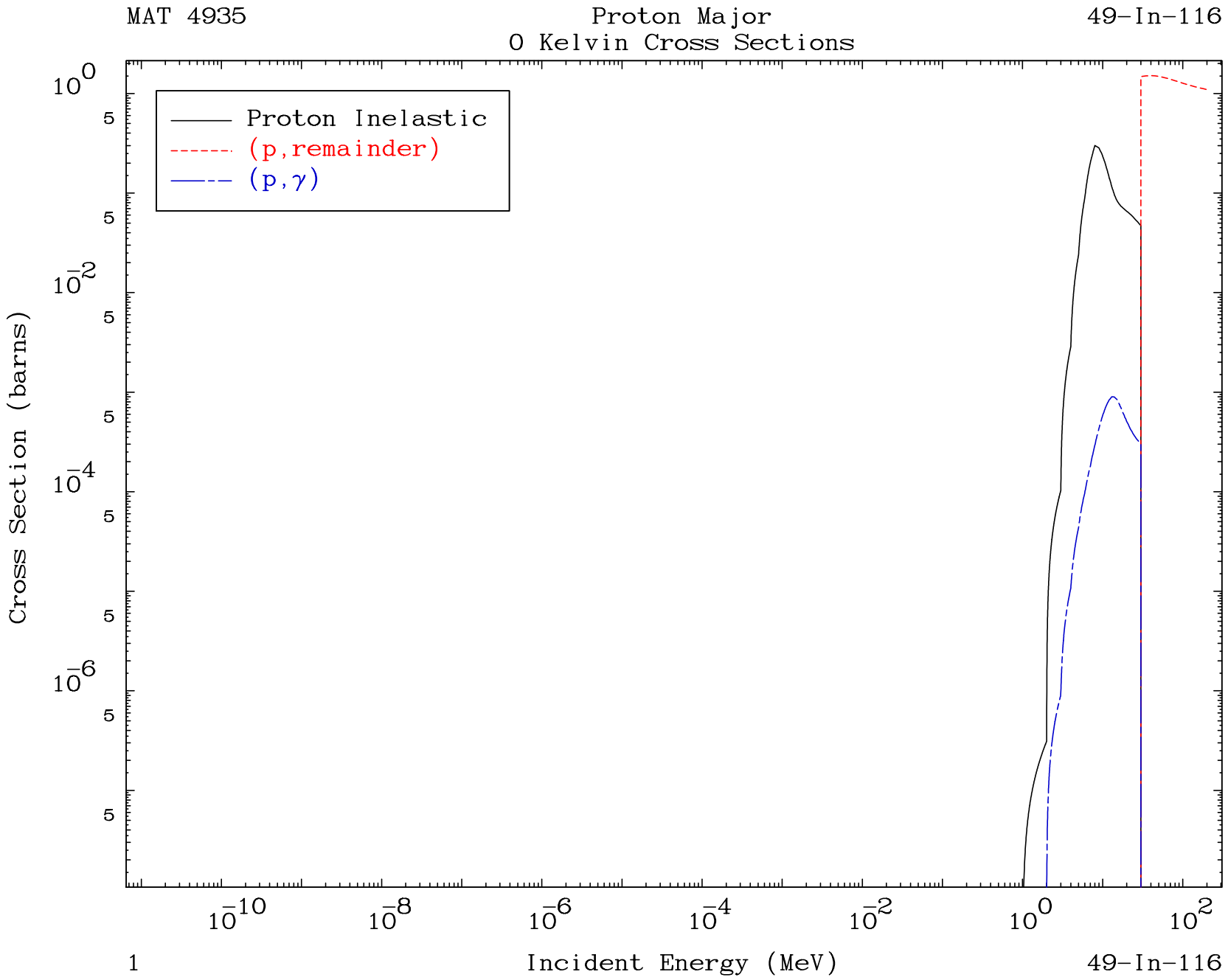
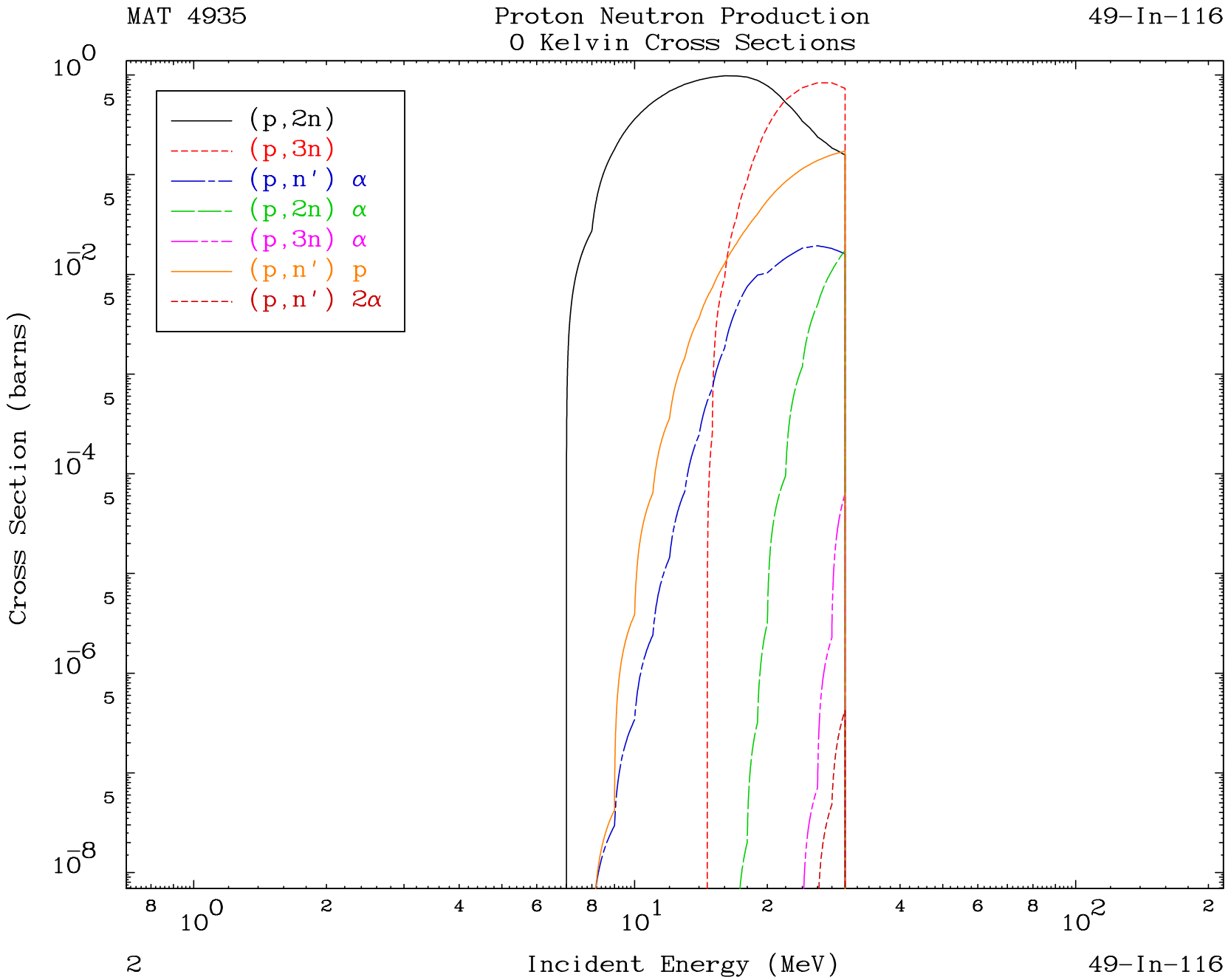
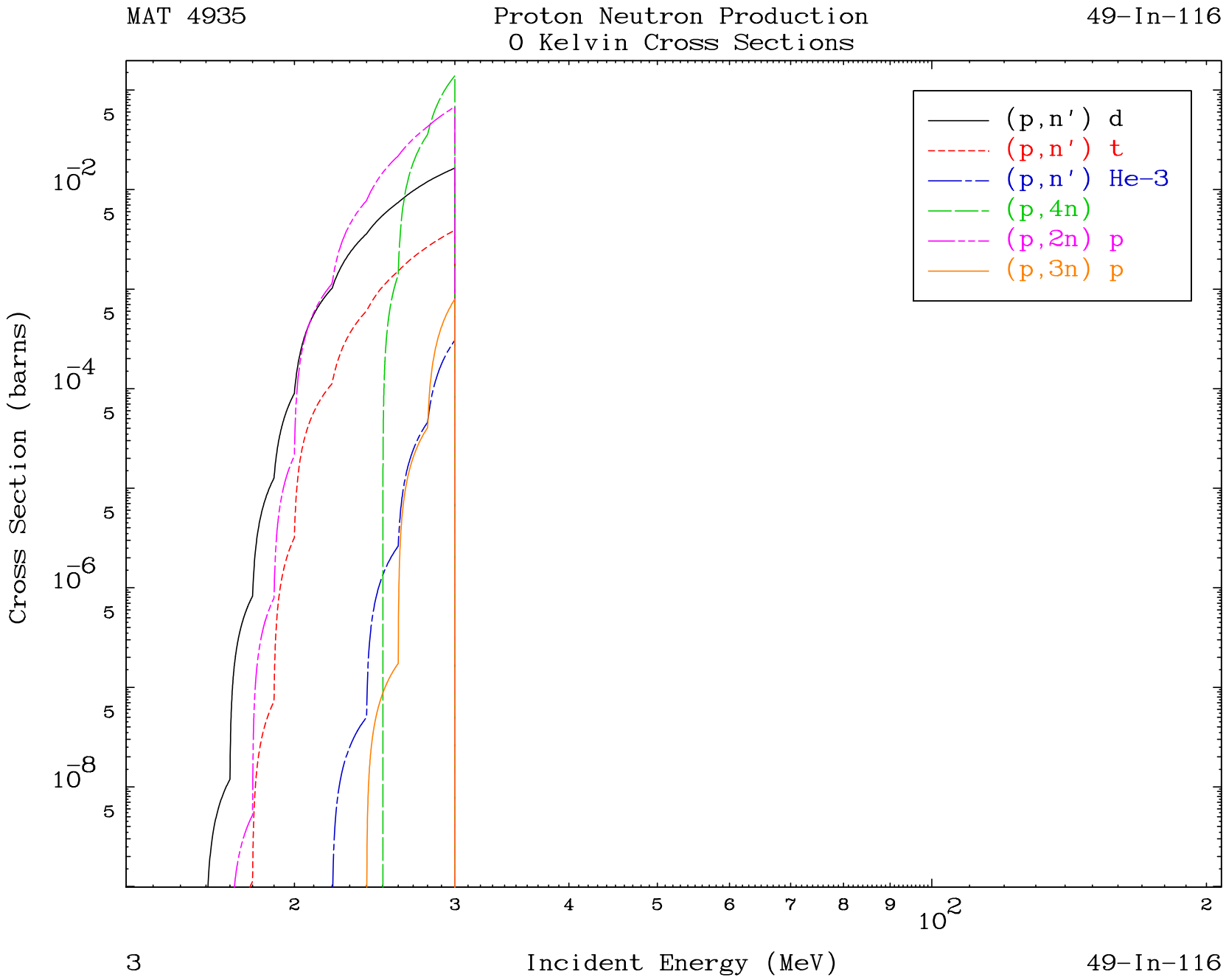
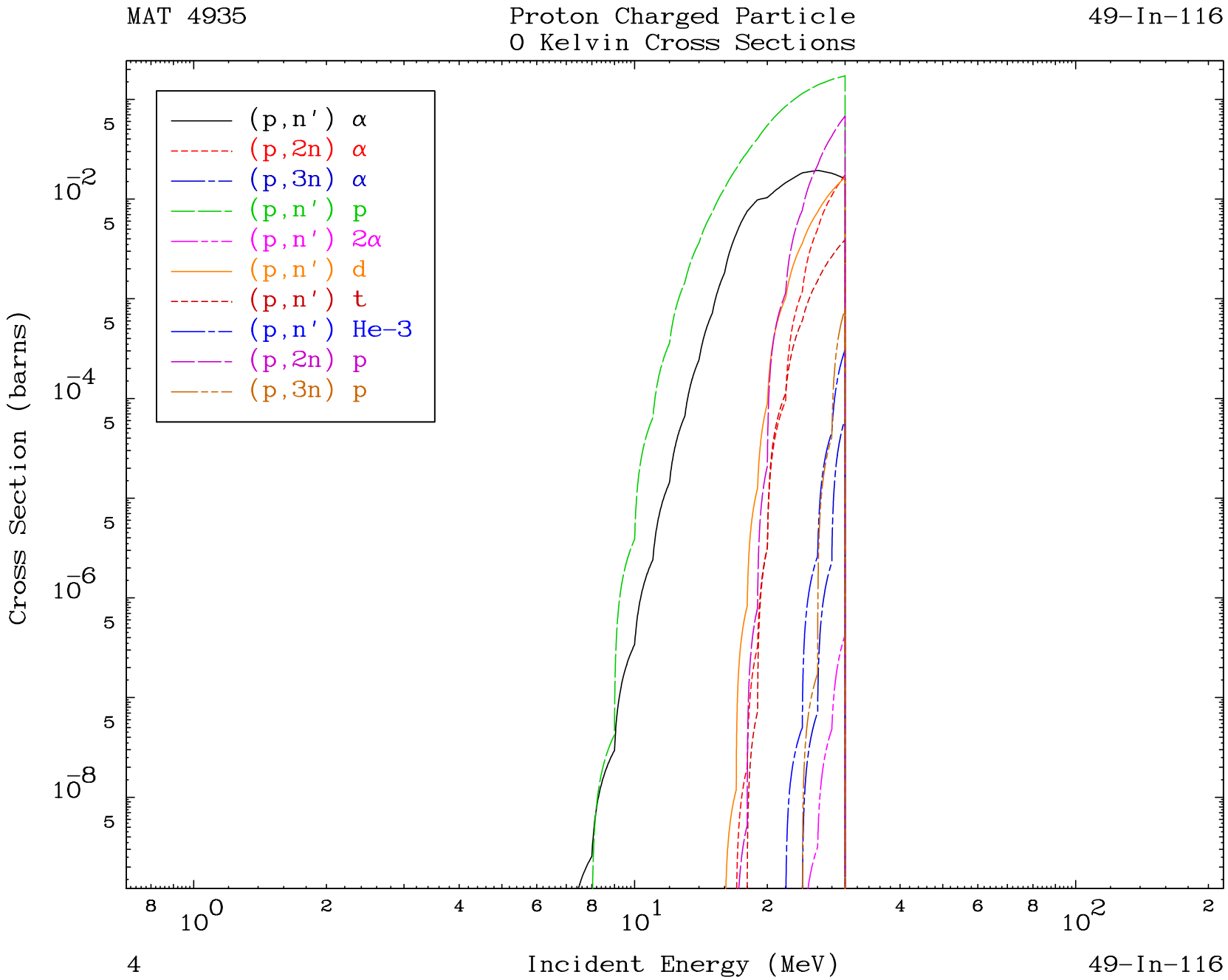
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

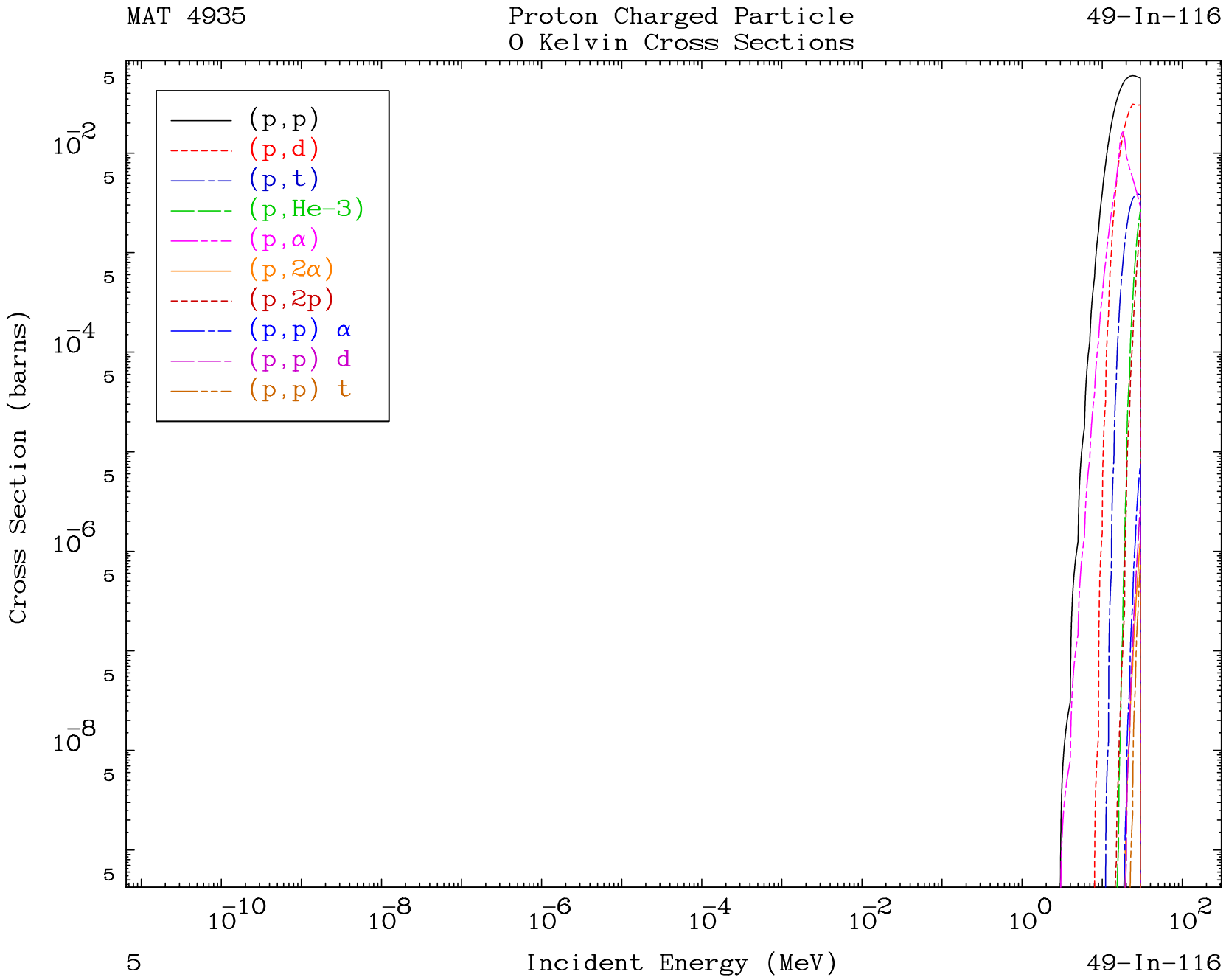
Press Mouse Button to Start

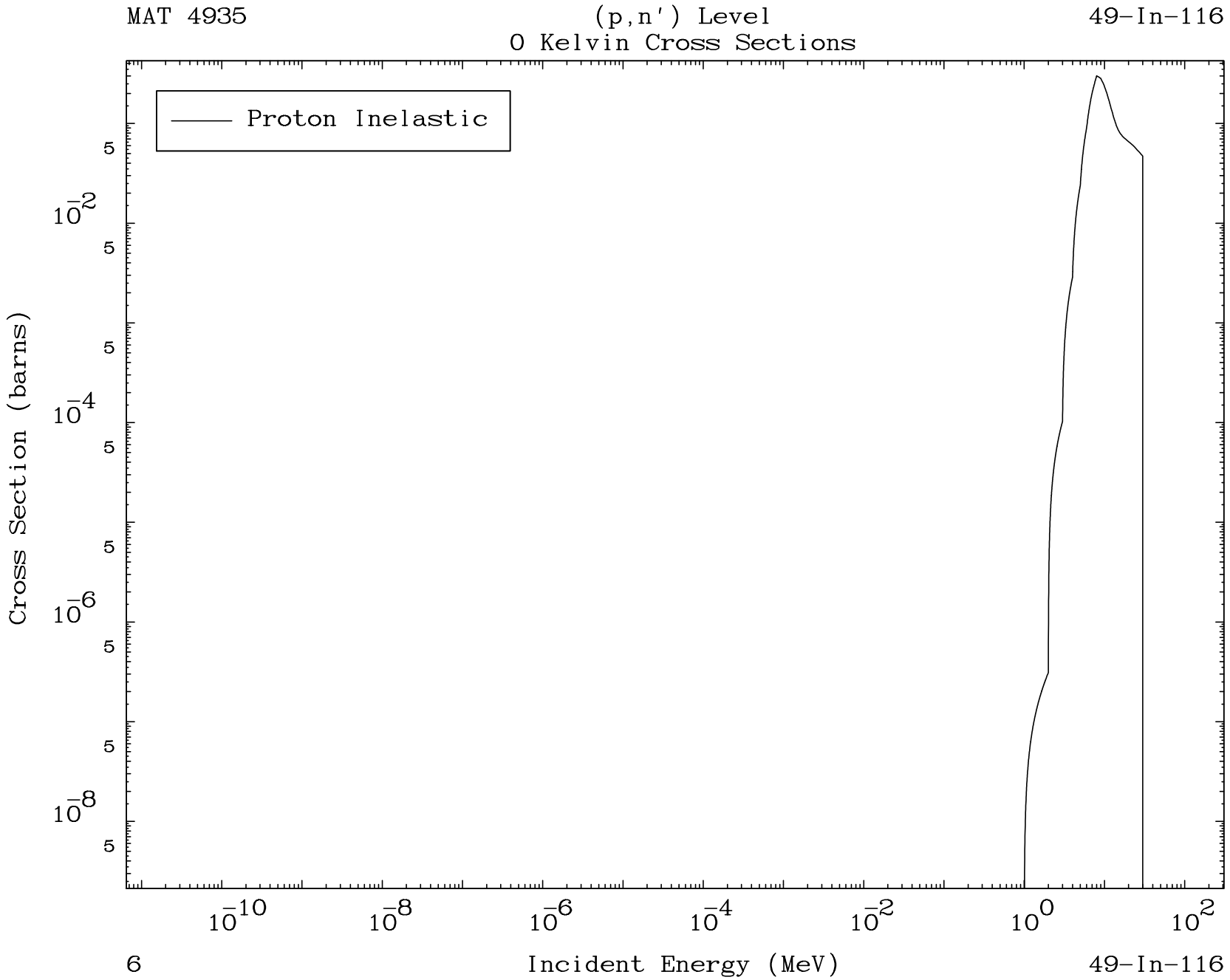

MAT 4935
Proton Major
49-In-116
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
1
49-In-116

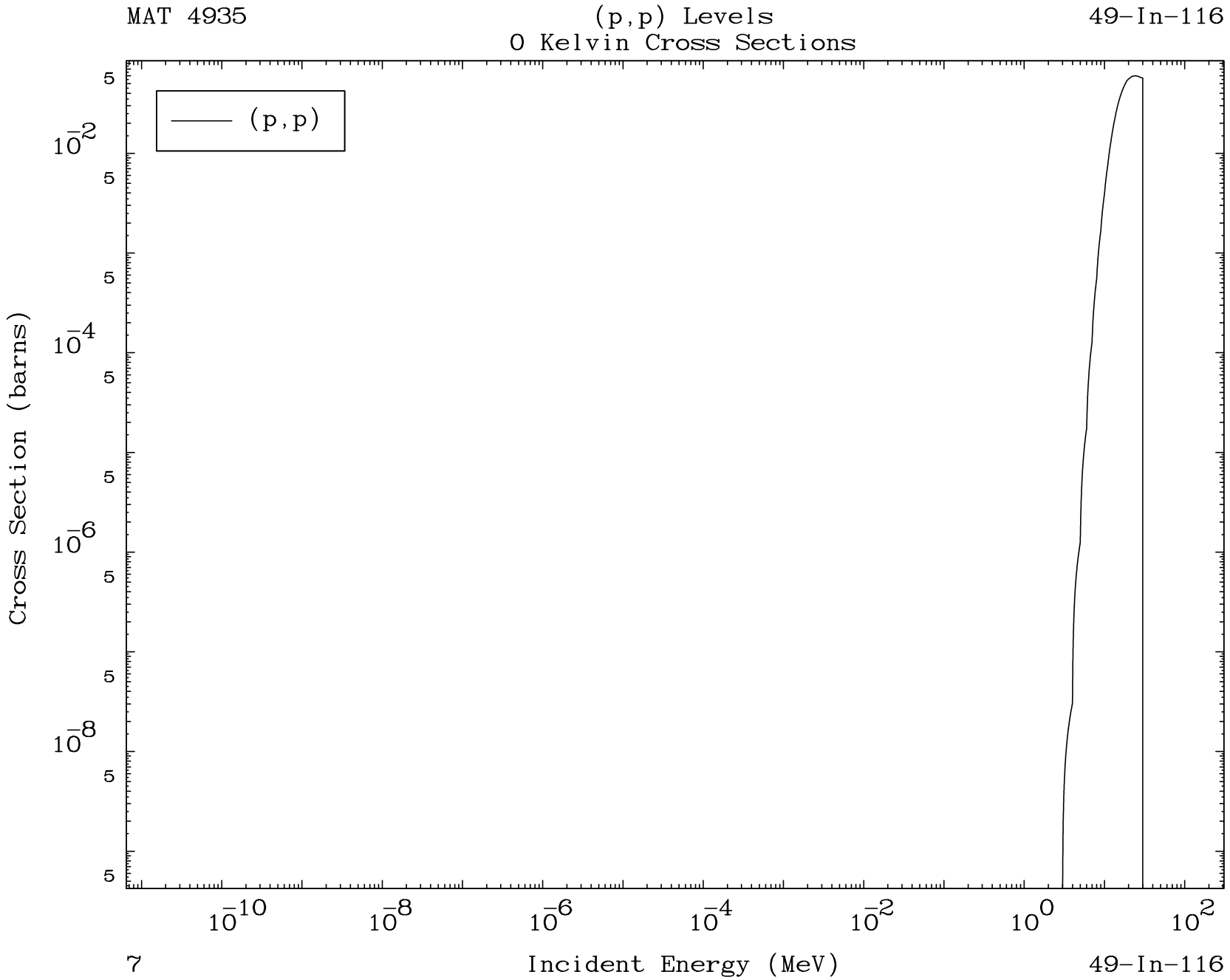

MAT 4935
Proton Neutron Production
0 Kelvin Cross Sections
49-In-116
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
Cross Section (barns)
Incident Energy (MeV)
49-In-116

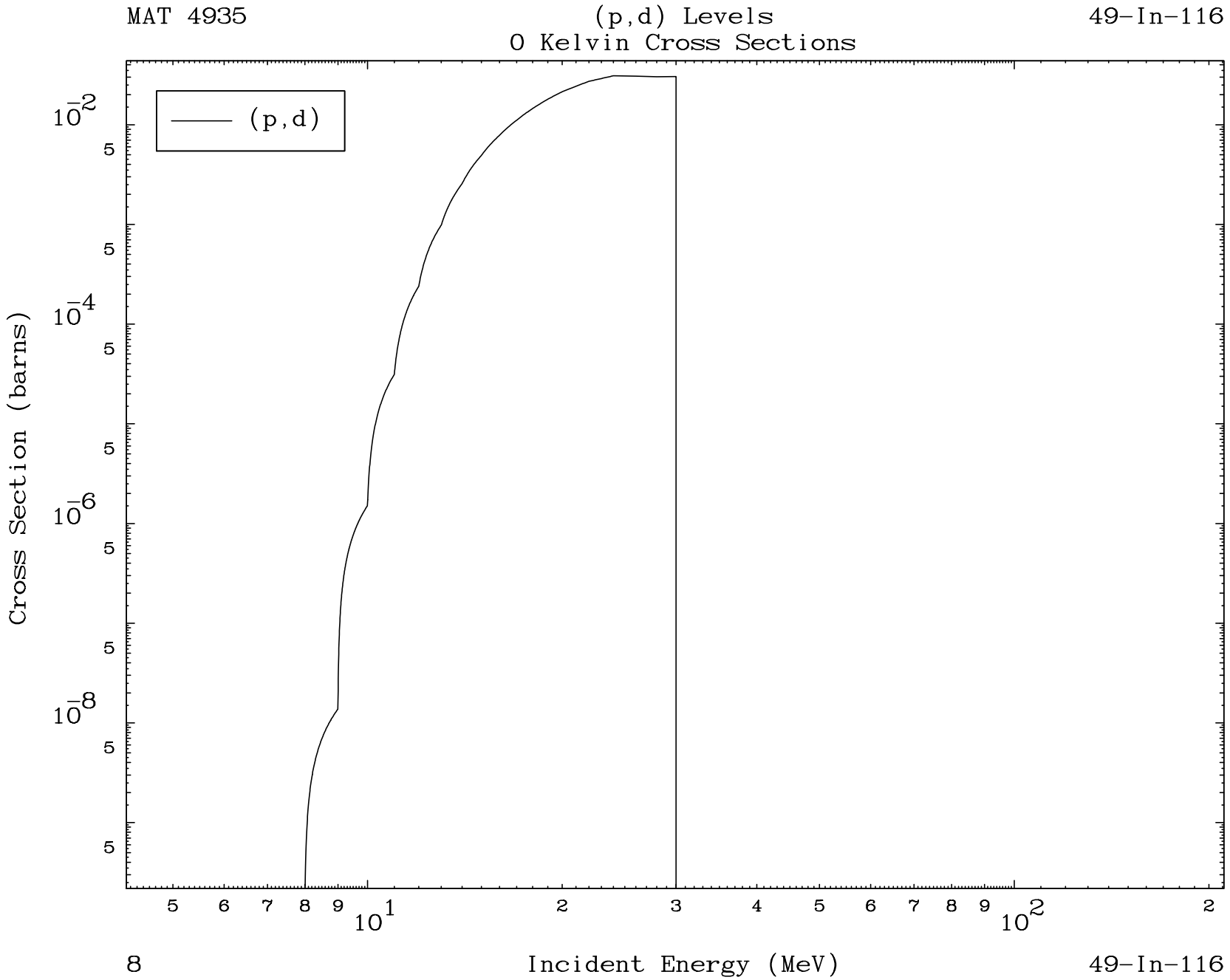

MAT 4935
Proton Neutron Production
0 Kelvin Cross Sections
49-In-116
(p,n') d
(p,n') t
(p,n') He-3
(p,4n)
(p,2n) p
(p,3n) p
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
3
49-In-116

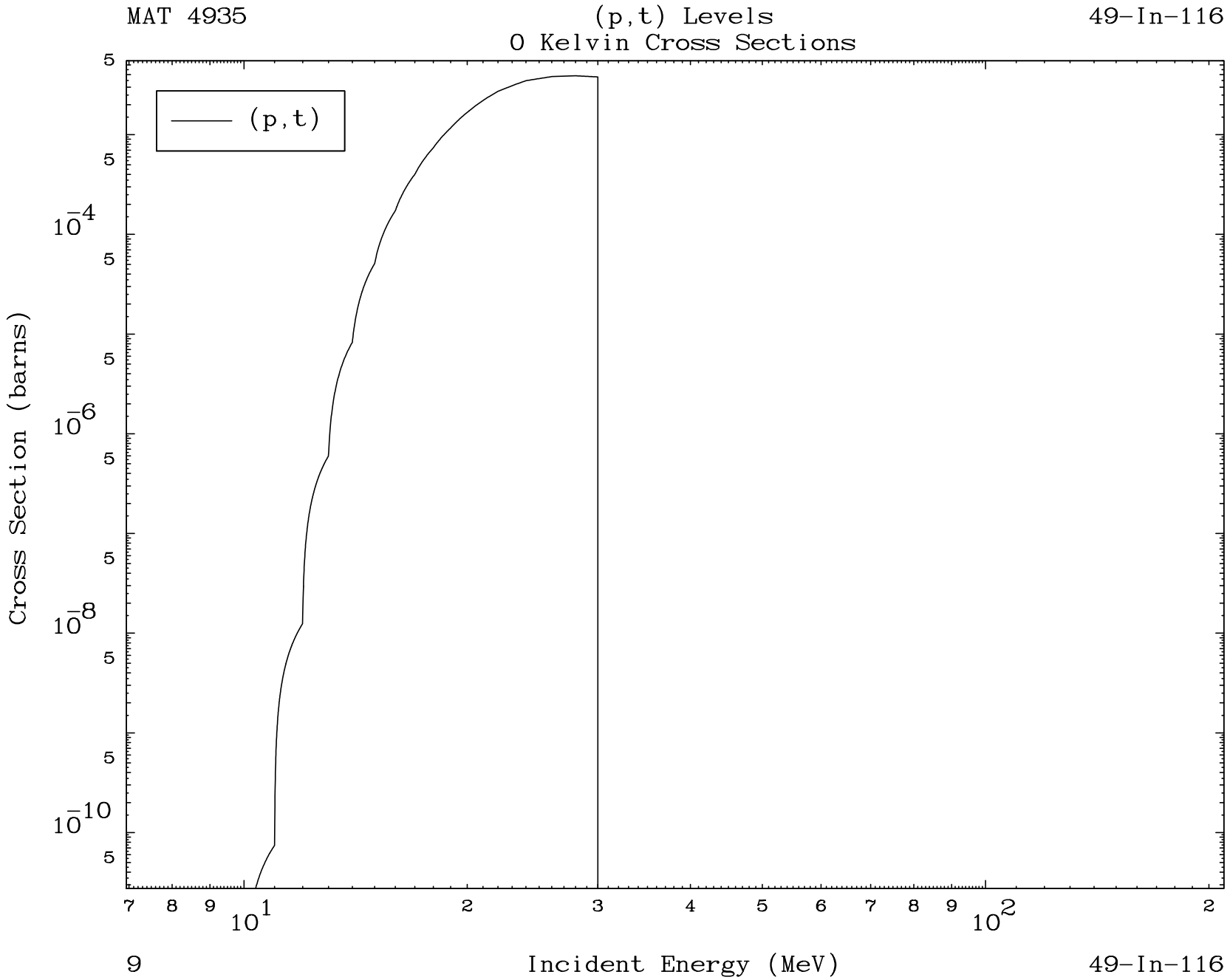

MAT 4935
Proton Charged Particle
0 Kelvin Cross Sections
49-In-116
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
49-In-116
4

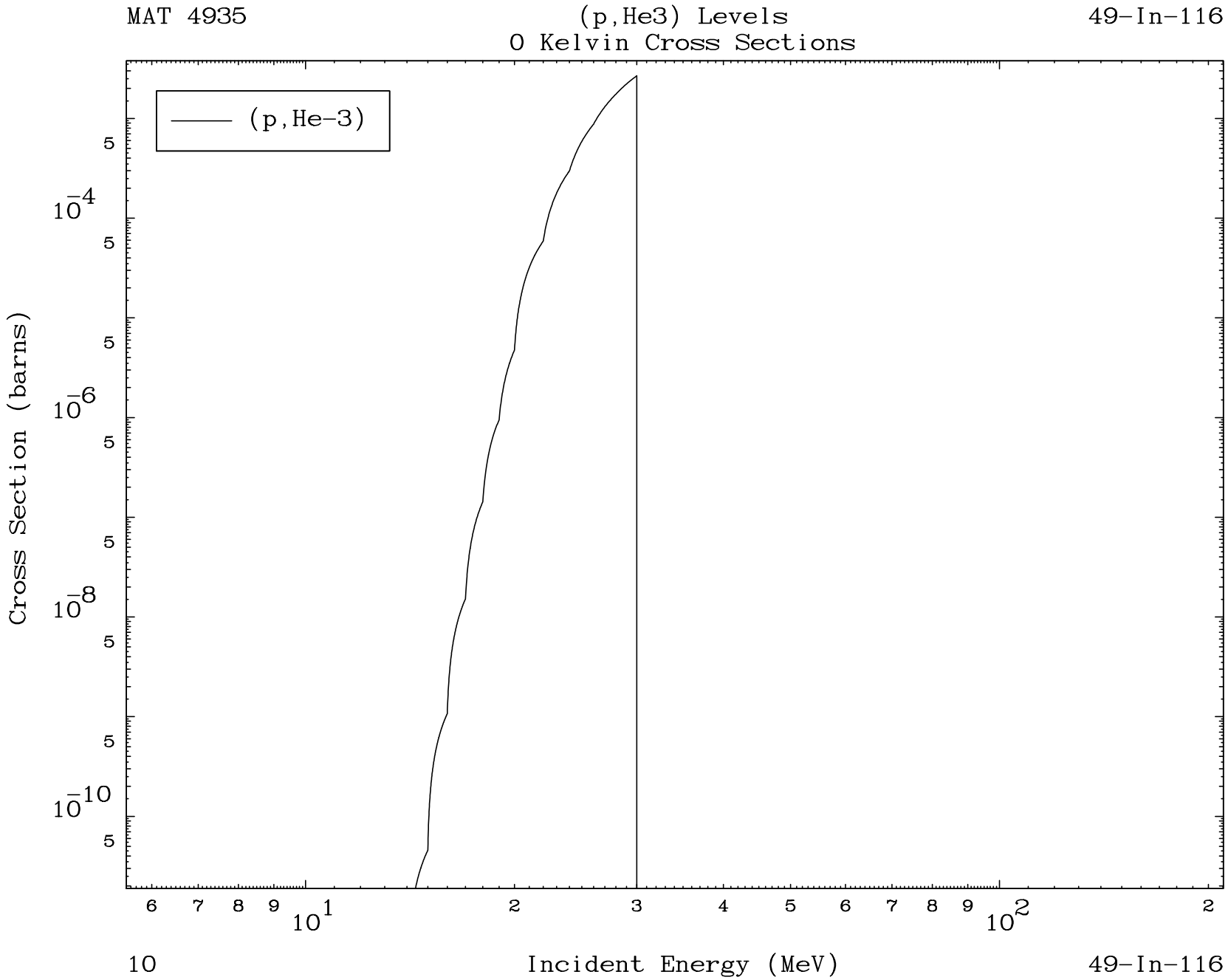

MAT 4935
Proton Charged Particle
0 Kelvin Cross Sections
49-In-116
(p,p)
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
49-In-116

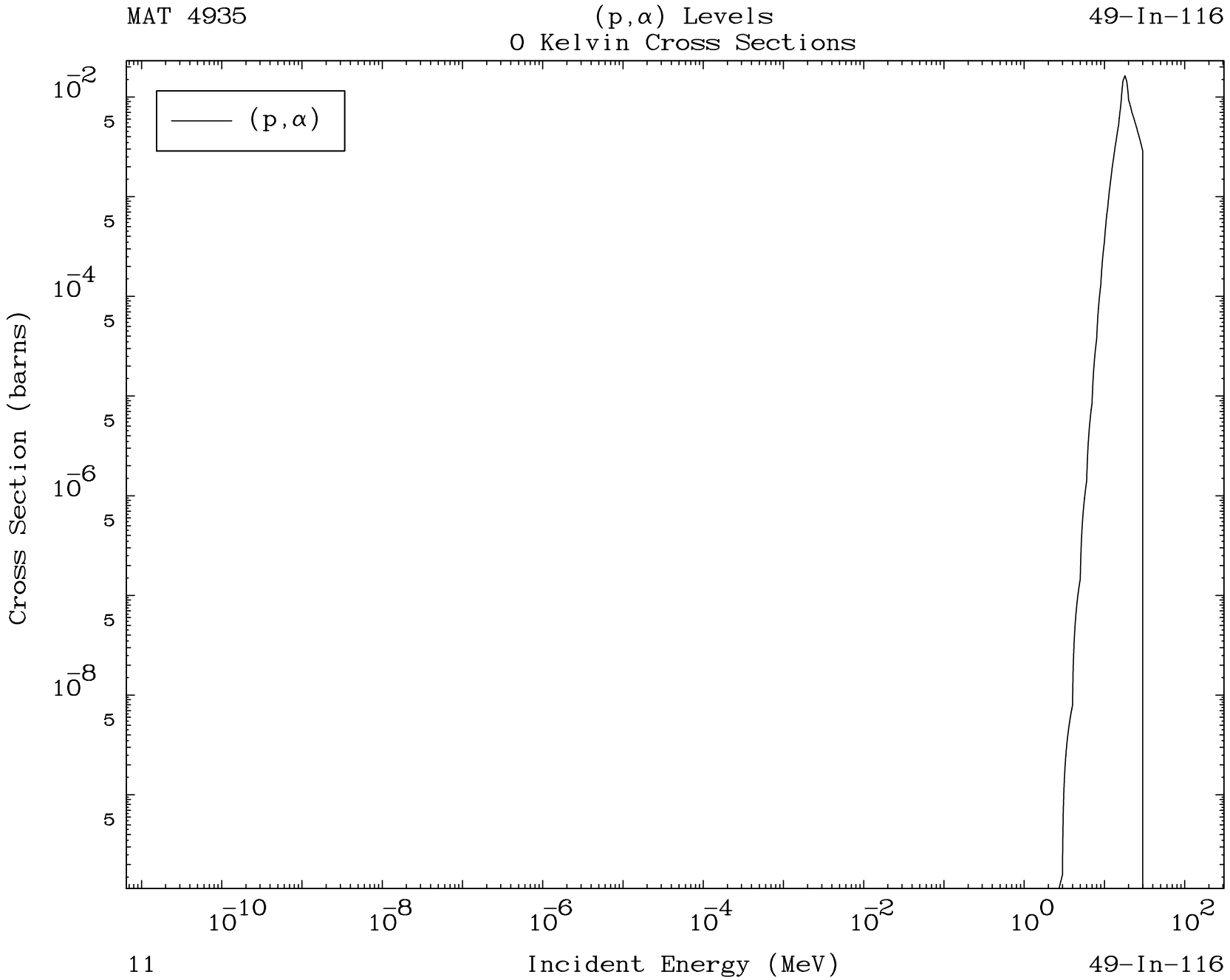

MAT 4935
(p,n') Level
49-In-116
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)
6
49-In-116

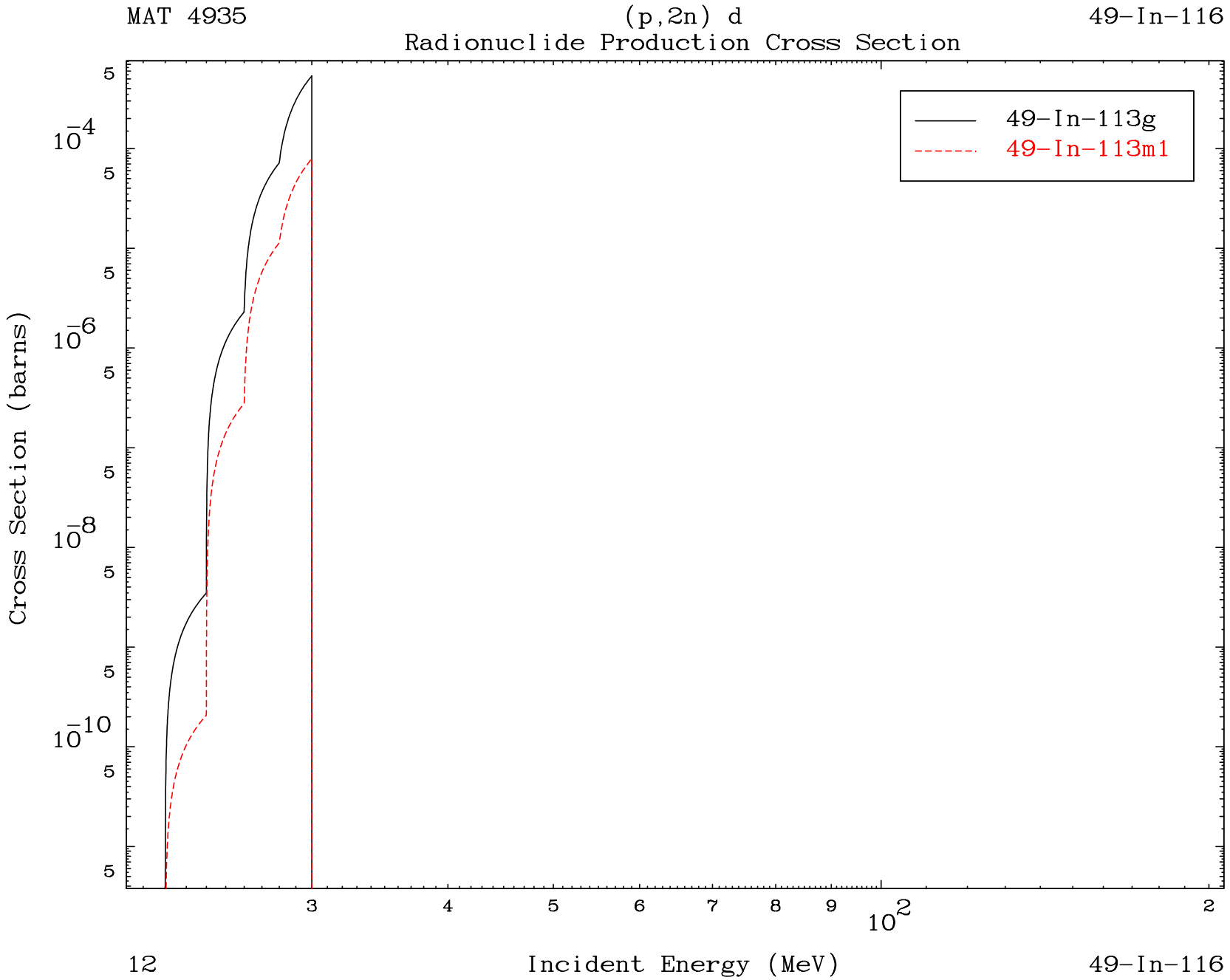

MAT 4935
(p,p) Levels
49-In-116
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
7
49-In-116

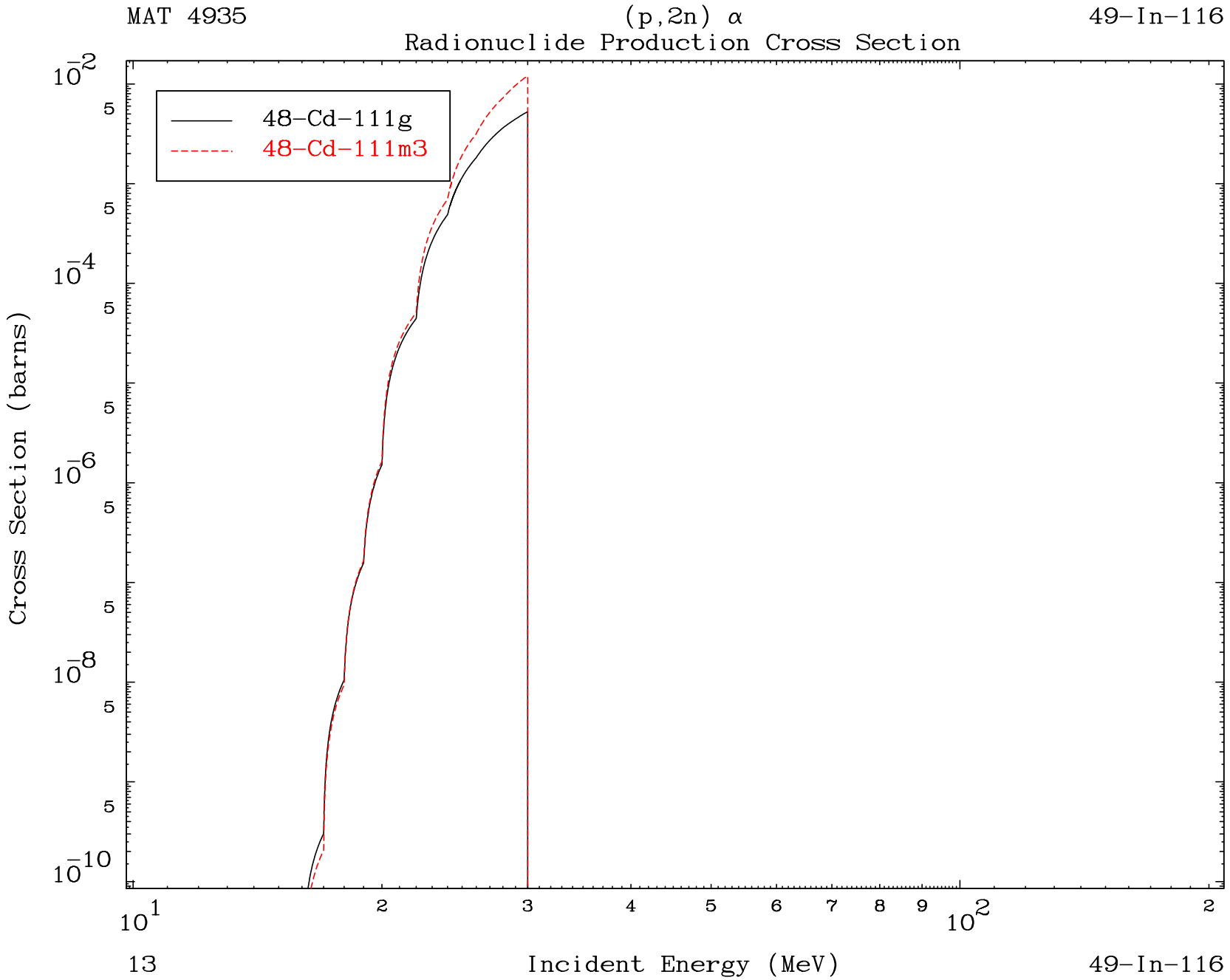

MAT 4935
(p,d) Levels
0 Kelvin Cross Sections
49-In-116
(p,d)
Cross Section (barns)
Incident Energy (MeV)
8
49-In-116

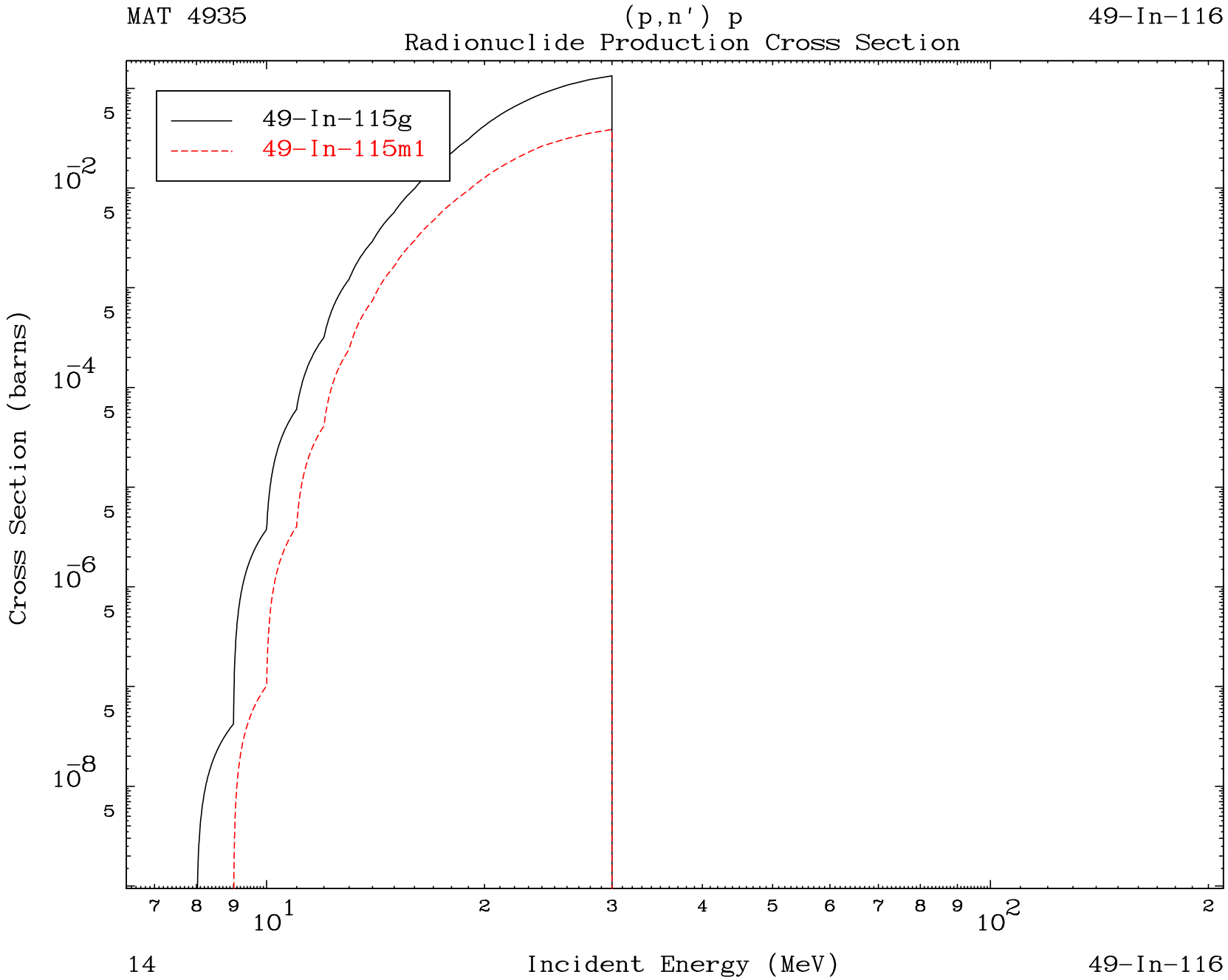

MAT 4935
(p,t) Levels
49-In-116
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
Incident Energy (MeV)
49-In-116
9

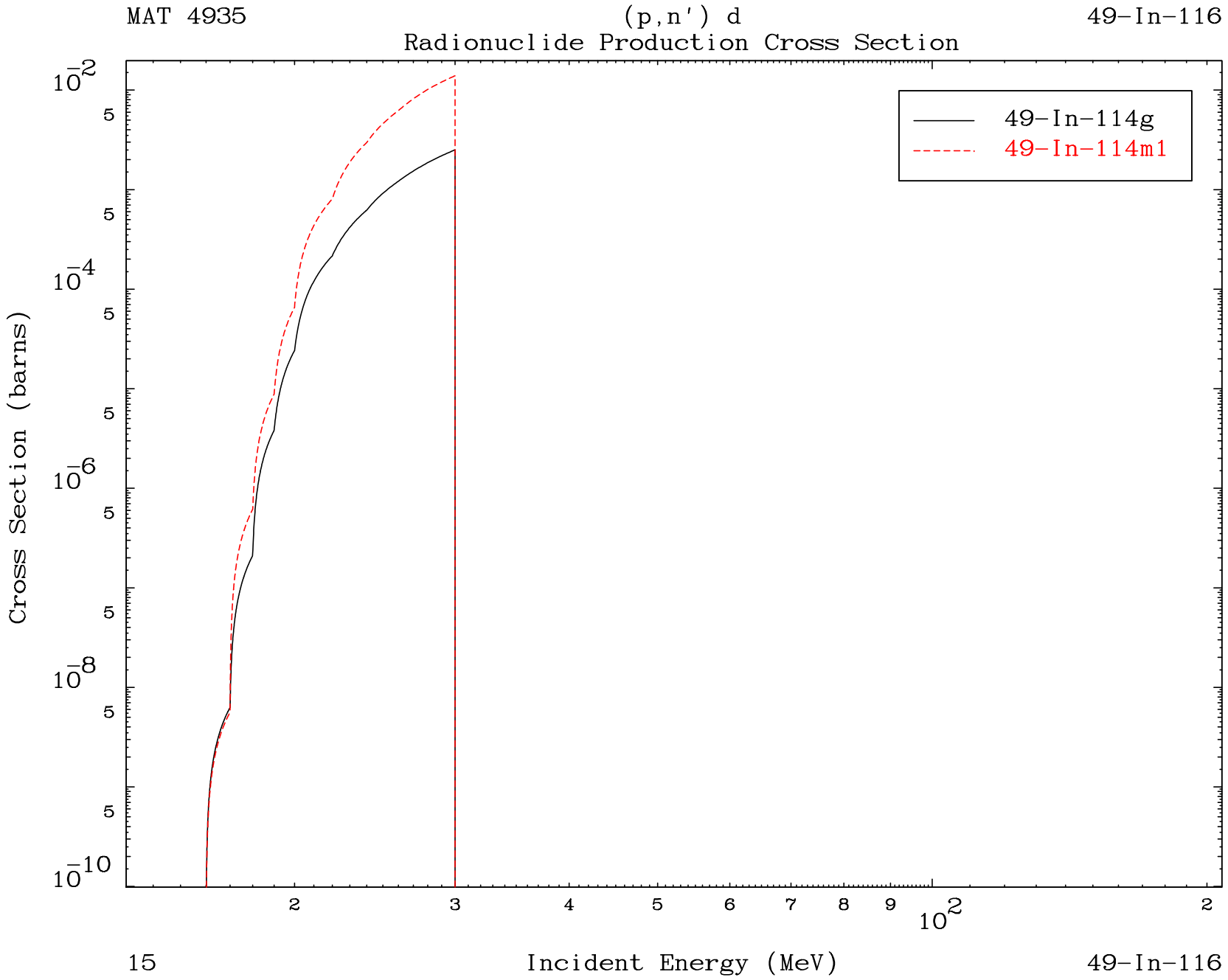

MAT 4935
(p,He3) Levels
49-In-116
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
10
Incident Energy (MeV)
49-In-116

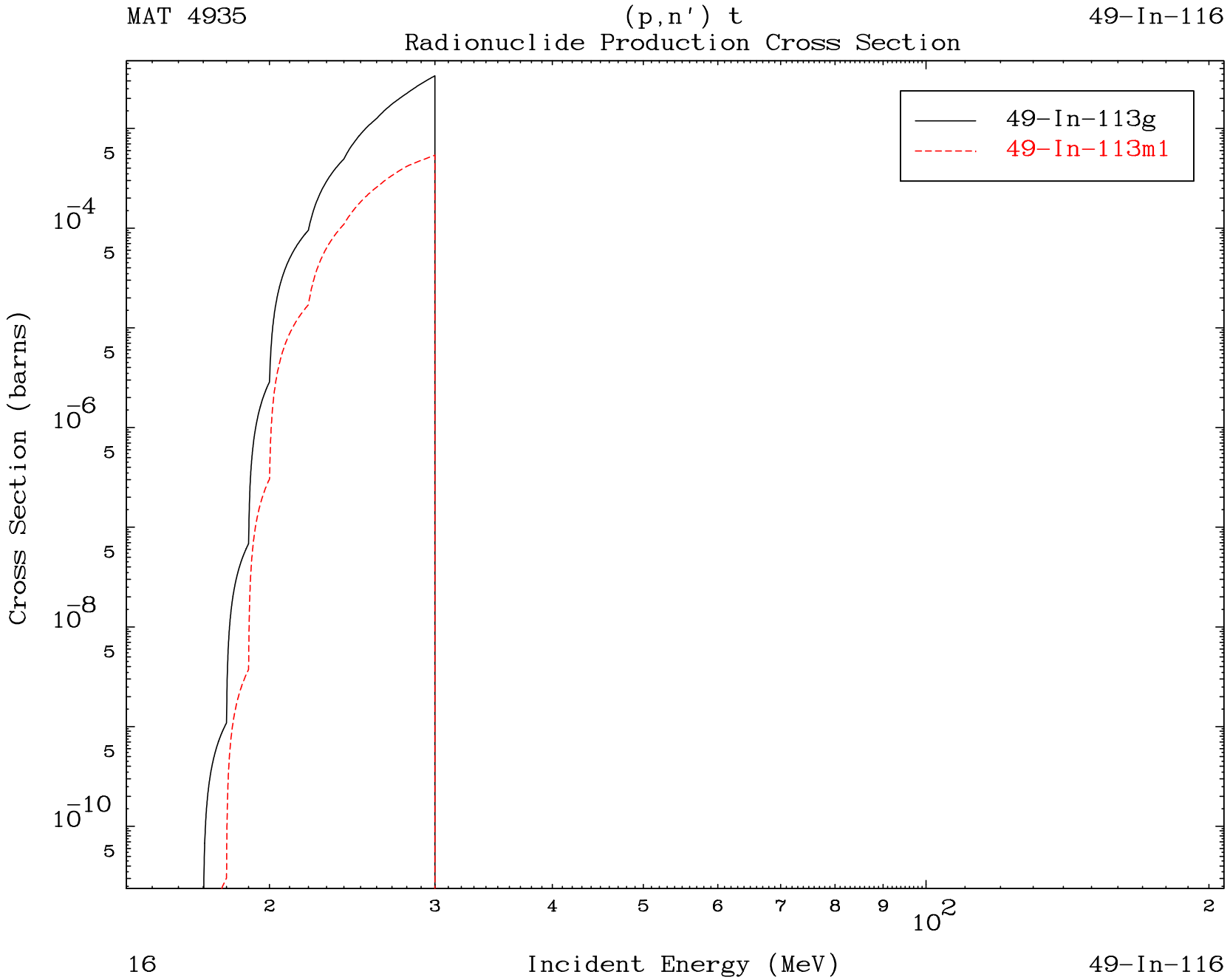

MAT 4935
(p,α) Levels
49-In-116
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
11
49-In-116

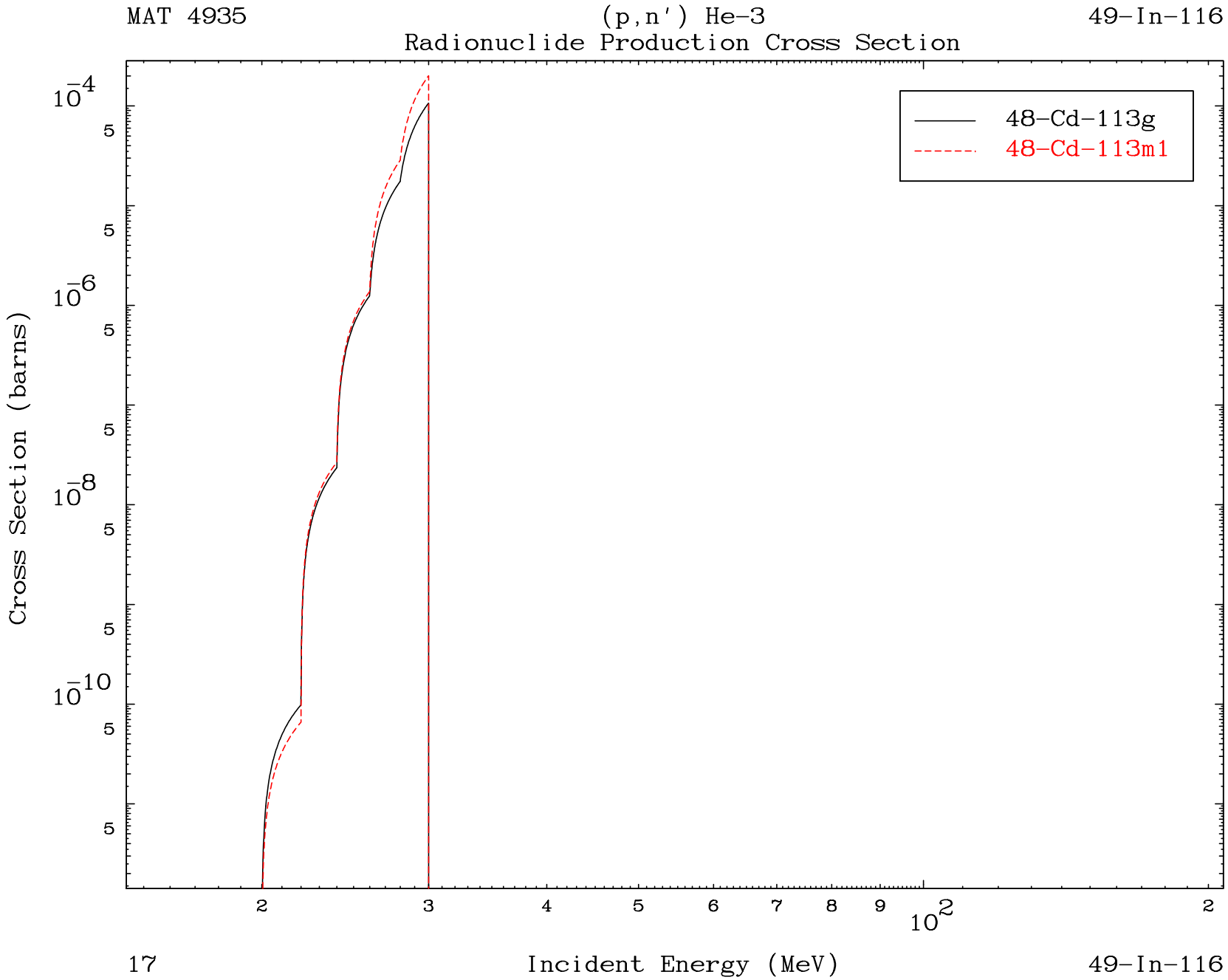

MAT 4935
(p,2n) d
49-In-116
Radionuclide Production Cross Section
49-In-113g
49-In-113m1
Cross Section (barns)
Incident Energy (MeV)
12
49-In-116

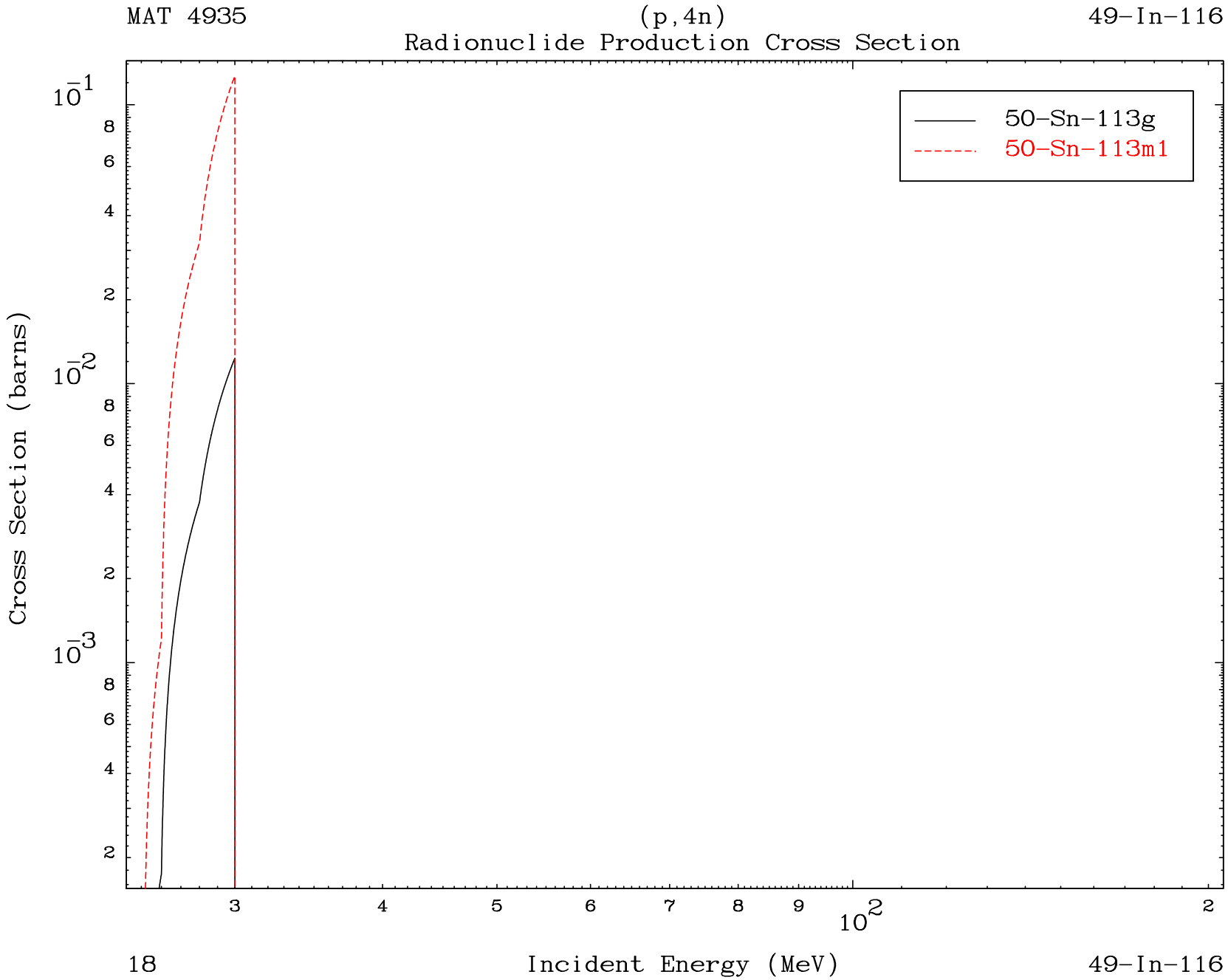

MAT 4935
(p,2n) α
49-In-116
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
Incident Energy (MeV)
13
49-In-116

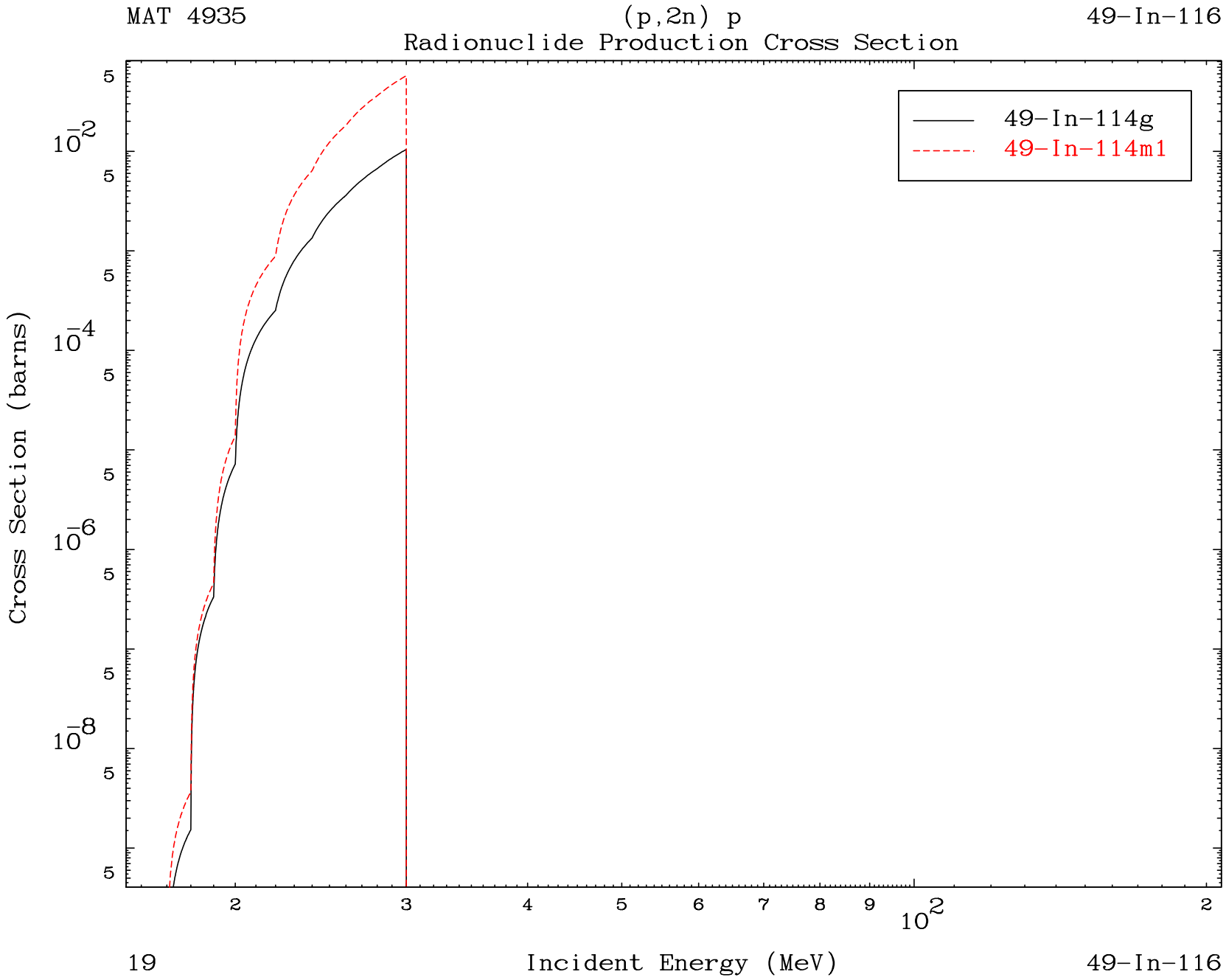

MAT 4935
(p,n') p
49-In-116
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
14
Incident Energy (MeV)
49-In-116

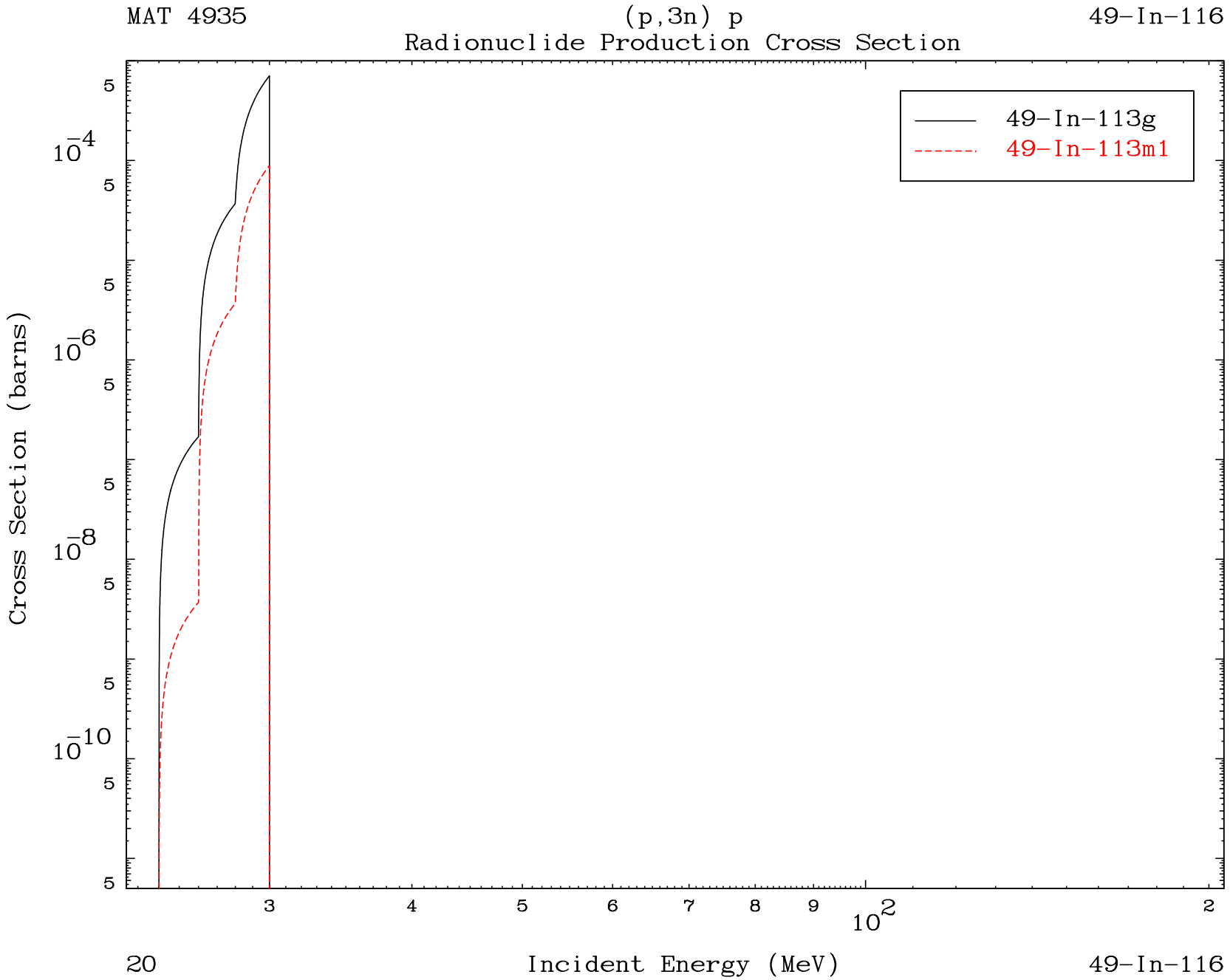

MAT 4935
(p,n') d
49-In-116
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
49-In-116

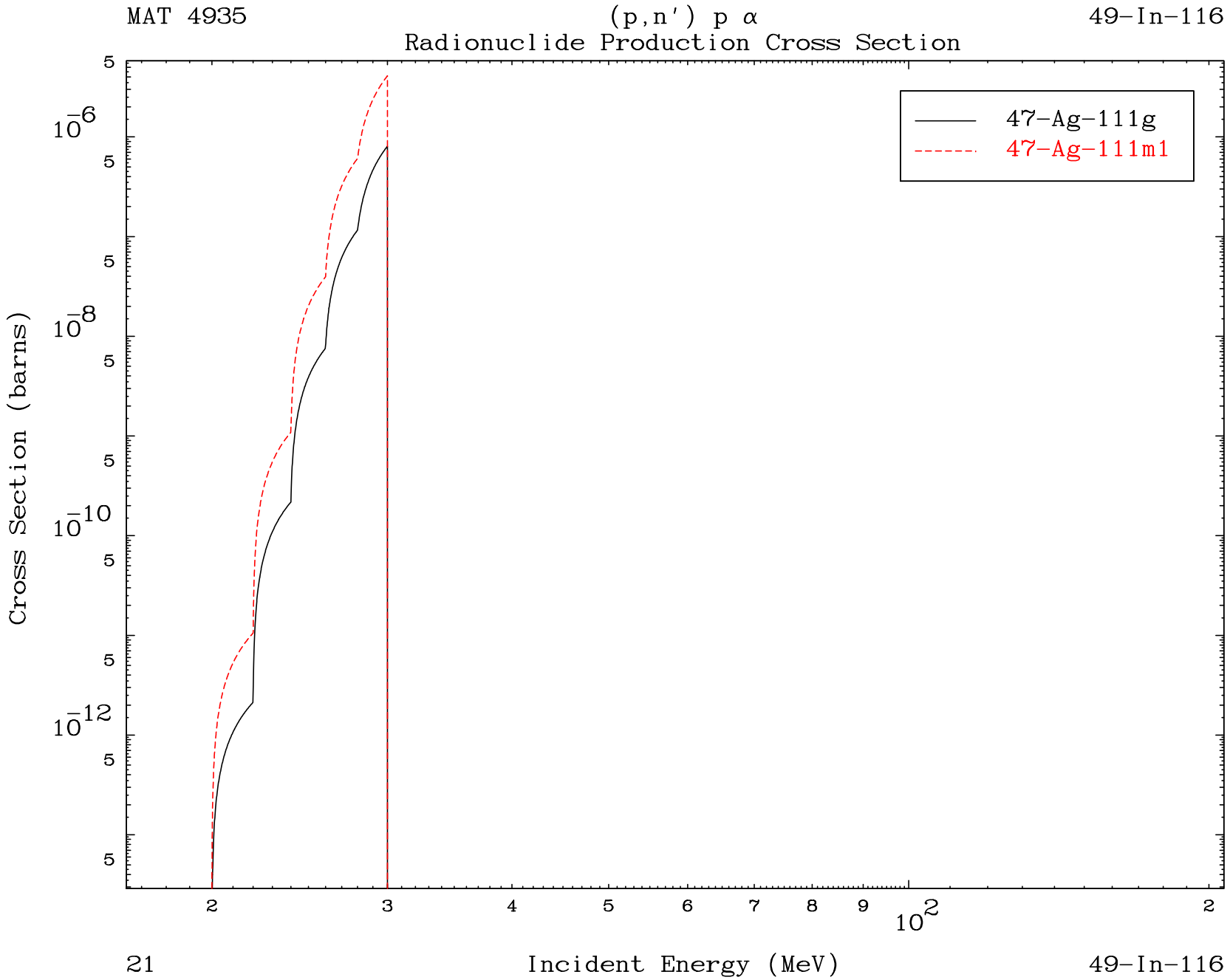

MAT 4935
(p,n') t
49-In-116
Radionuclide Production Cross Section
49-In-113g
49-In-113m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
49-In-116

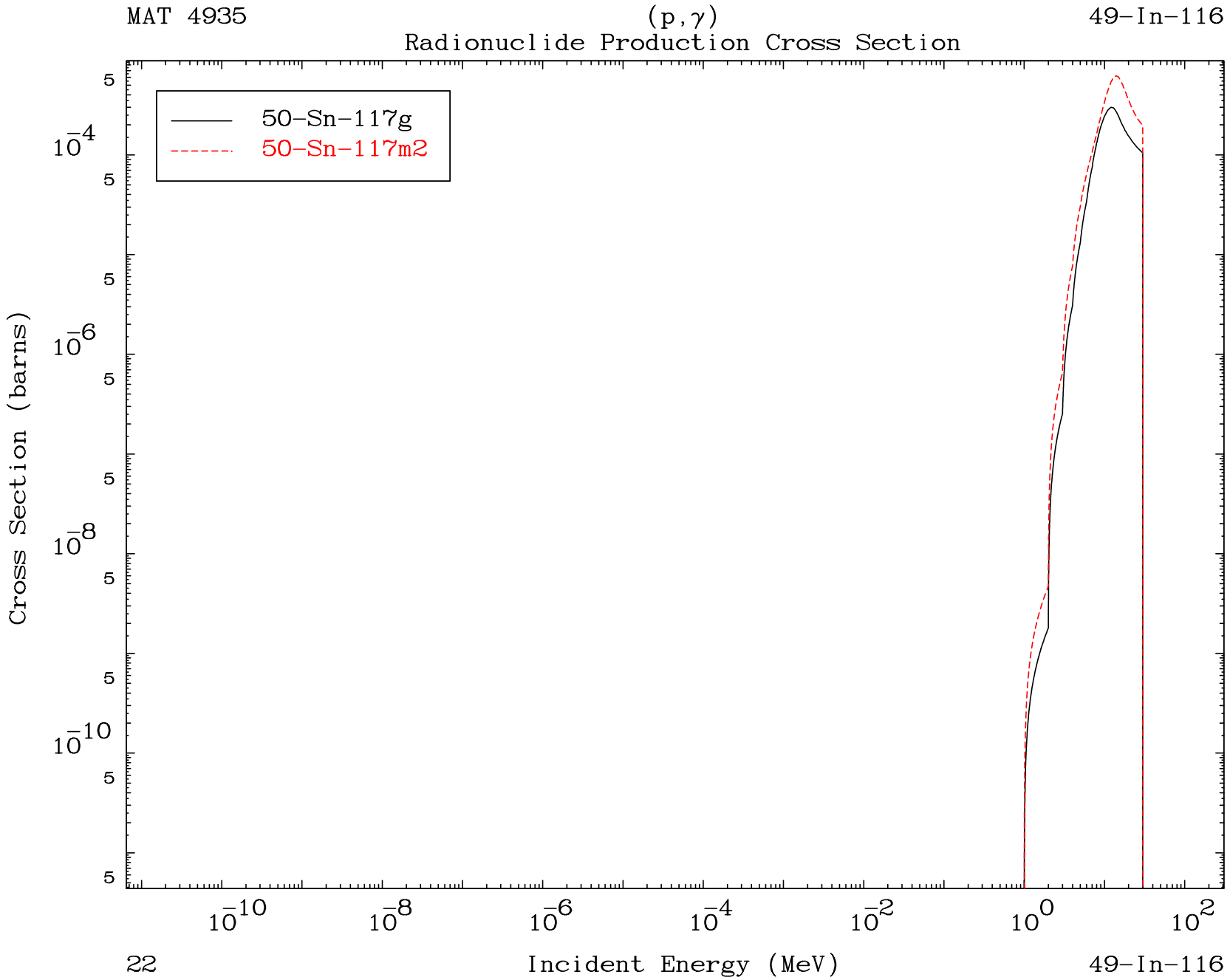

MAT 4935
(p,n') He-3
49-In-116
Radionuclide Production Cross Section
48-Cd-113g
48-Cd-113m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
17
49-In-116

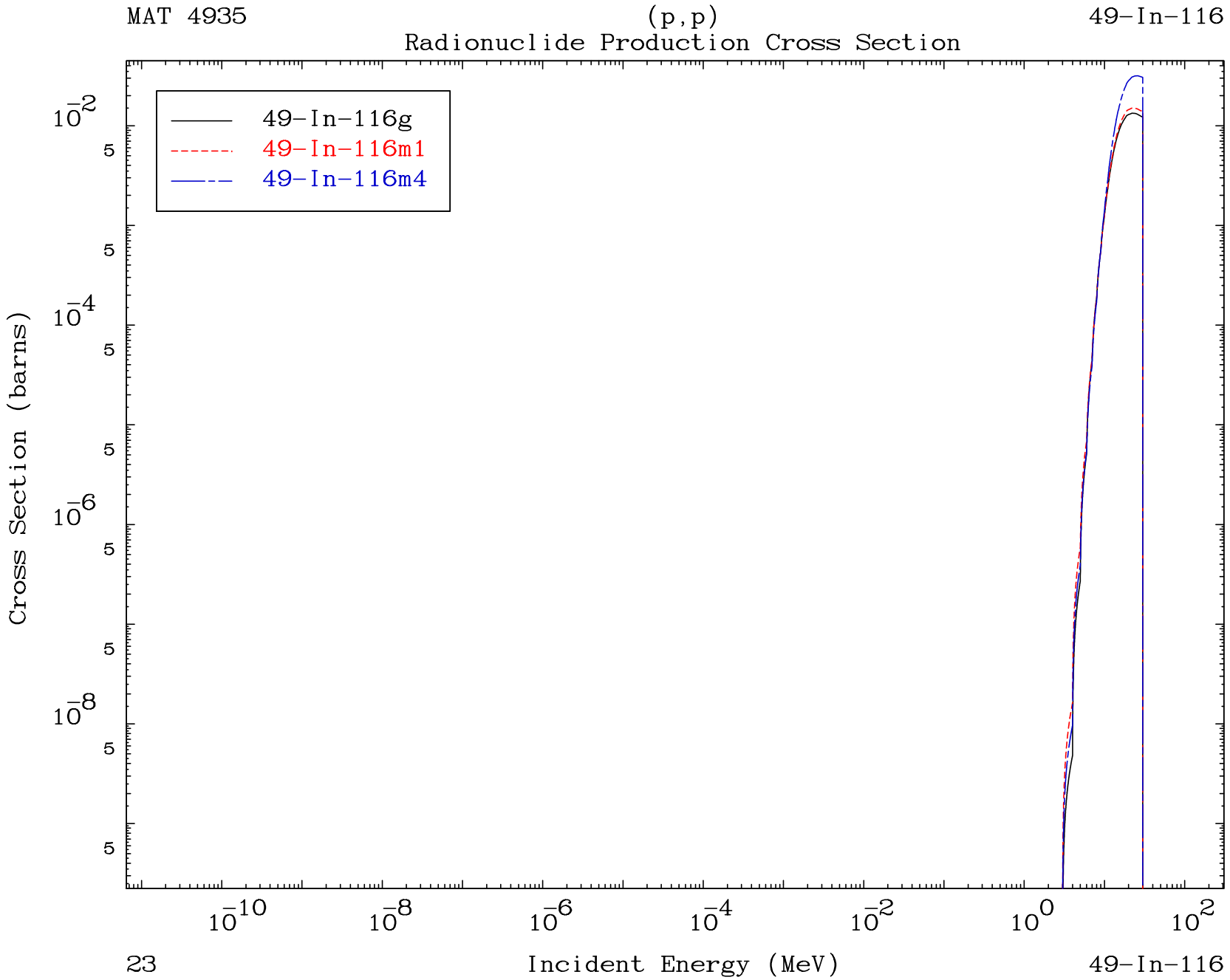

MAT 4935
(p,4n)
49-In-116
Radionuclide Production Cross Section
50-Sn-113g
50-Sn-113m1
Cross Section (barns)
Incident Energy (MeV)
18
49-In-116

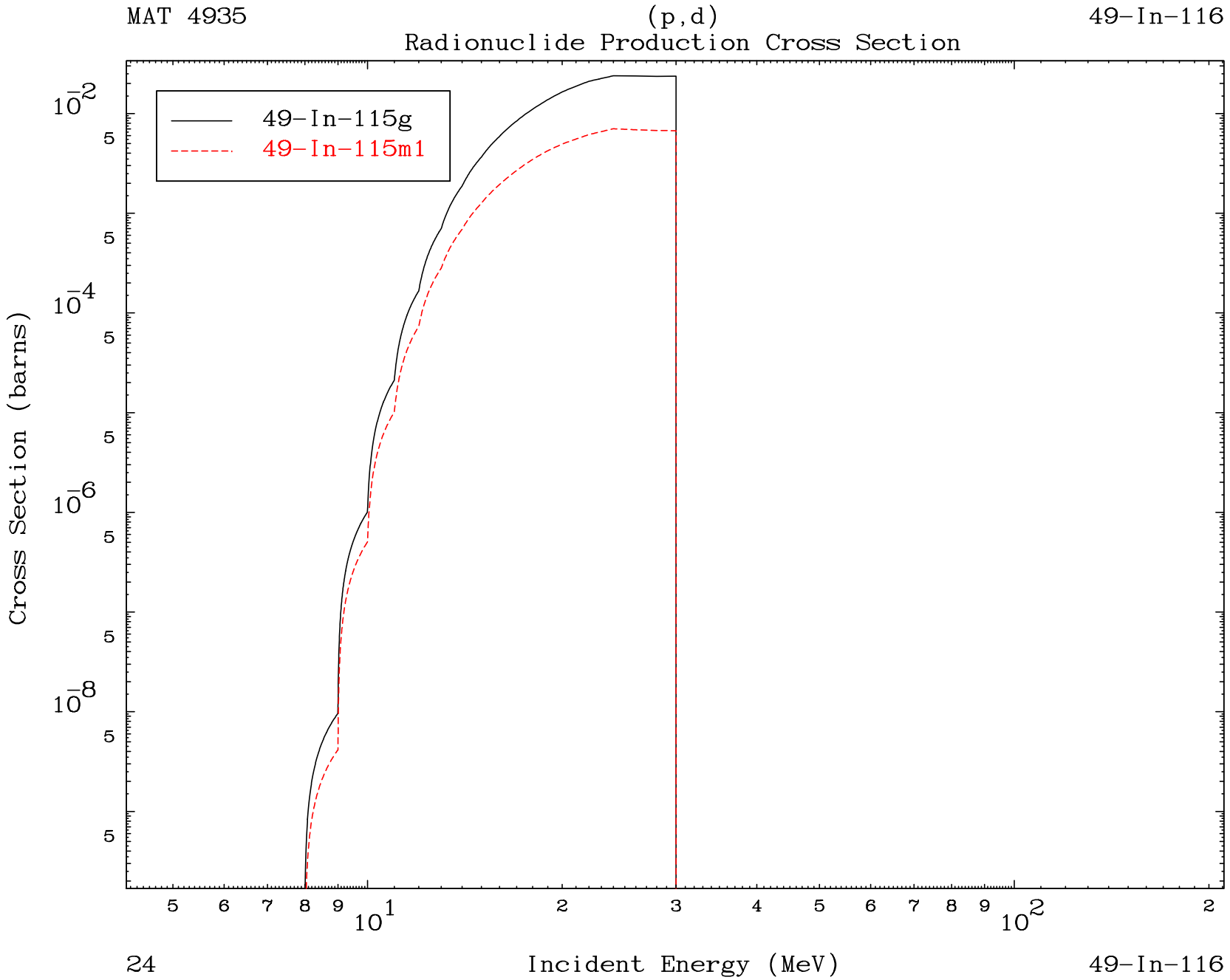

MAT 4935
(p,2n) p
49-In-116
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
49-In-116

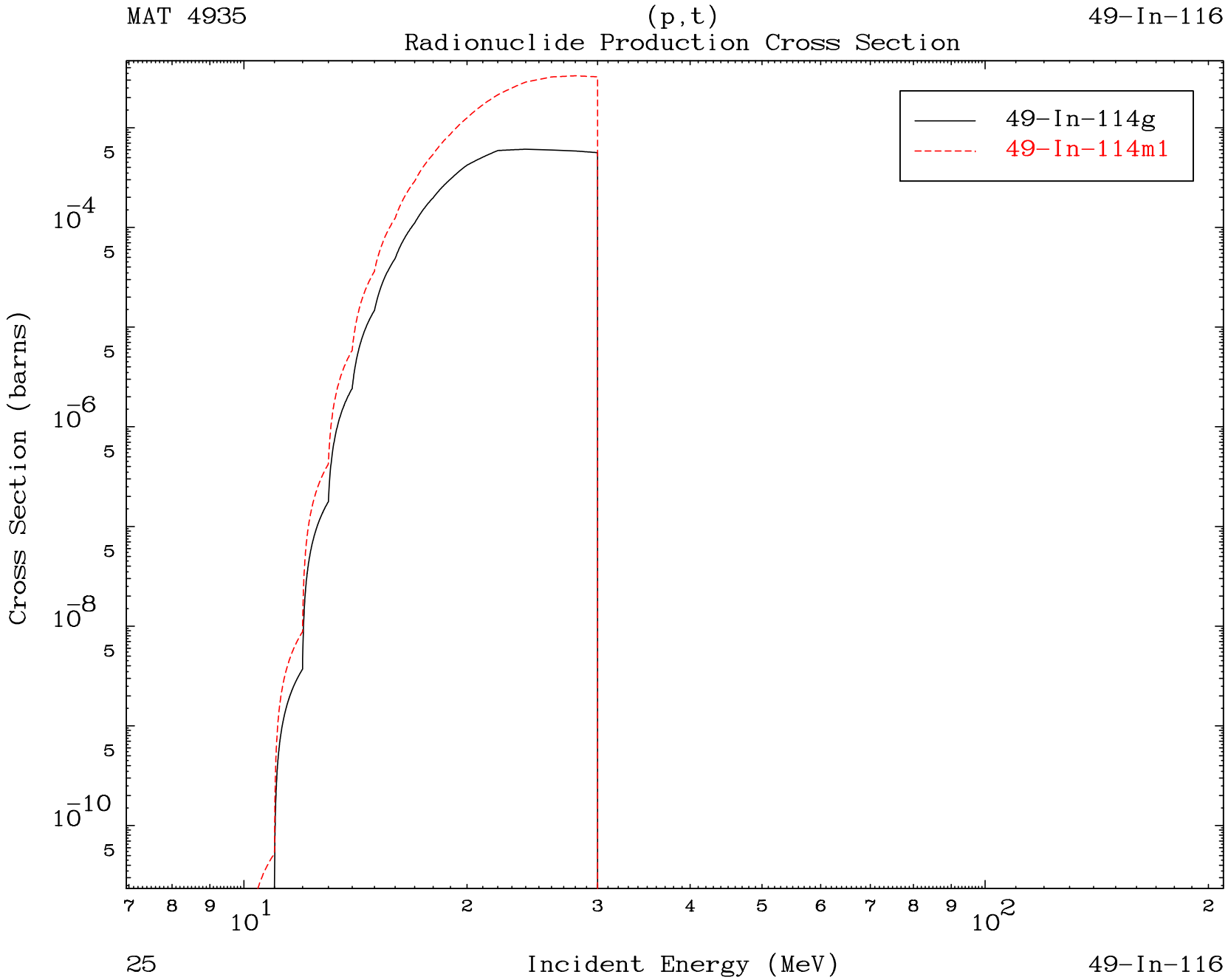

MAT 4935
(p,3n) p
49-In-116
Radionuclide Production Cross Section
49-In-113g
49-In-113m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
3
4
5
6
7
8
9
10^2
2
20
Incident Energy (MeV)
49-In-116

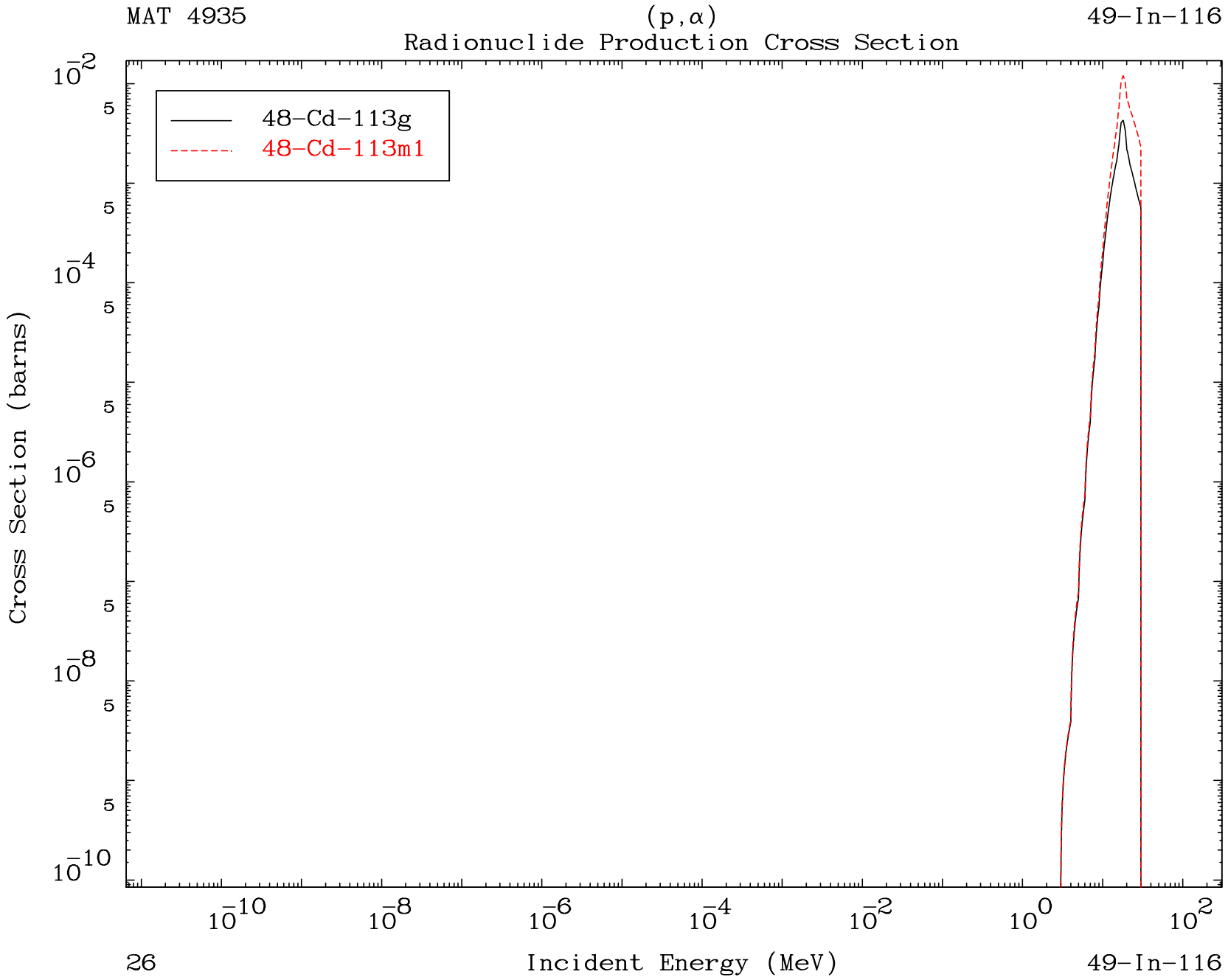

MAT 4935
(p,n') p α
49-In-116
Radionuclide Production Cross Section
47-Ag-111g
47-Ag-111m1
Cross Section (barns)
10-6
10-8
10-10
10-12
2
3
4
5
6
7
8
9
10 2
21
Incident Energy (MeV)
49-In-116

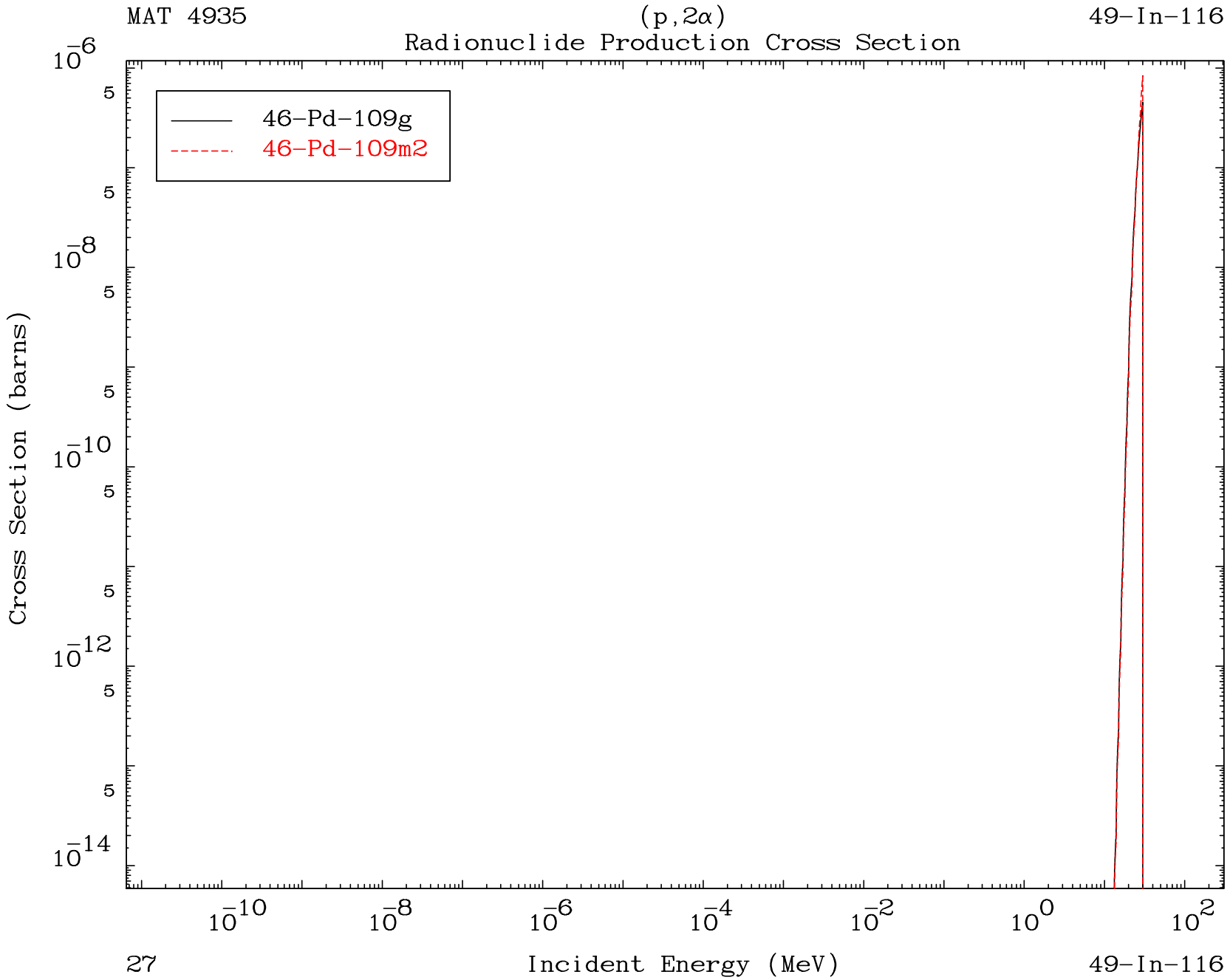

MAT 4935
(p,γ)
49-In-116
Radionuclide Production Cross Section
50-Sn-117g
50-Sn-117m2
Cross Section (barns)
Incident Energy (MeV)
22
49-In-116

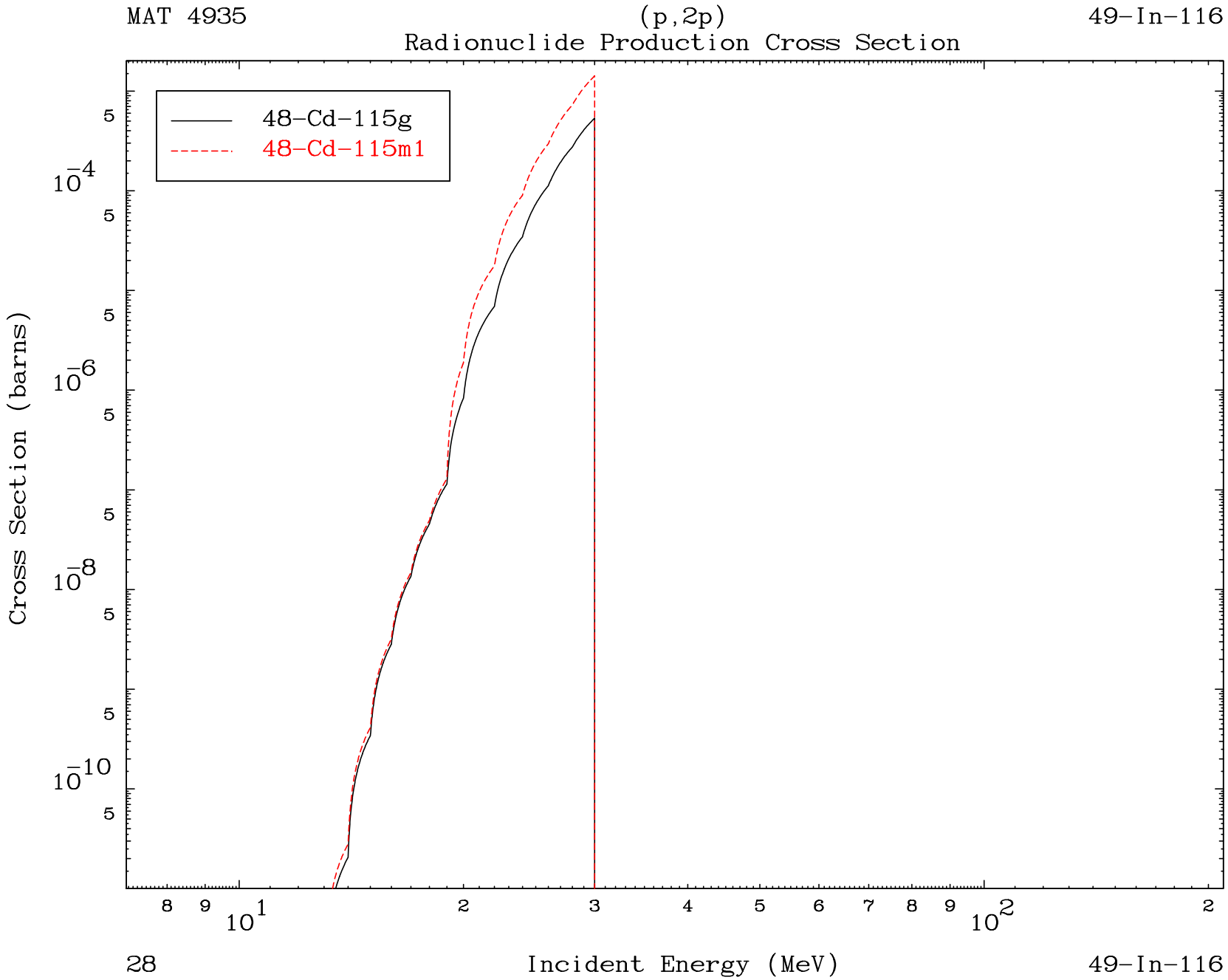

MAT 4935
(p,p)
49-In-116
Radionuclide Production Cross Section
49-In-116g
49-In-116m1
49-In-116m4
Cross Section (barns)
Incident Energy (MeV)
23
49-In-116

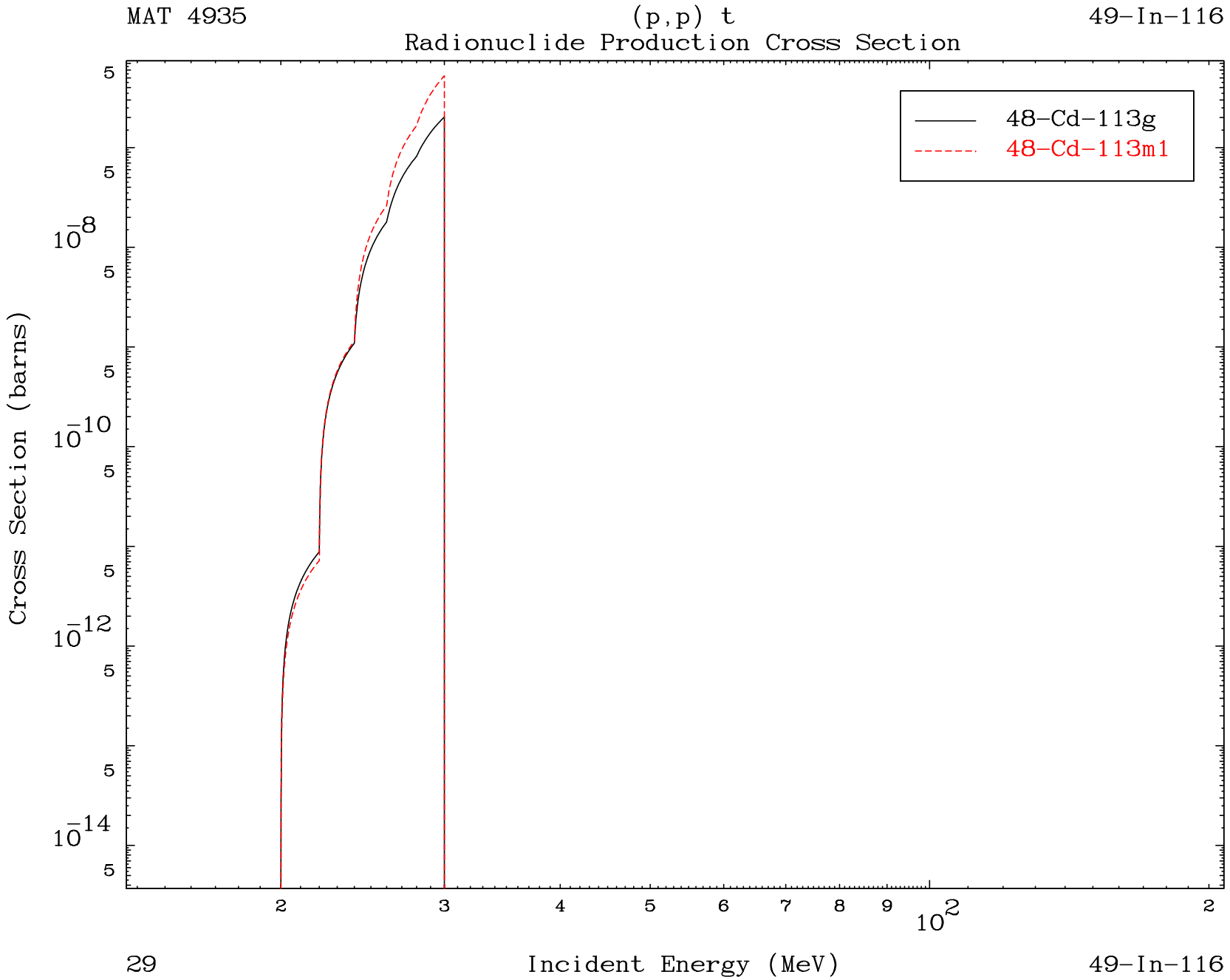

MAT 4935
(p,d)
49-In-116
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
Incident Energy (MeV)
24
49-In-116

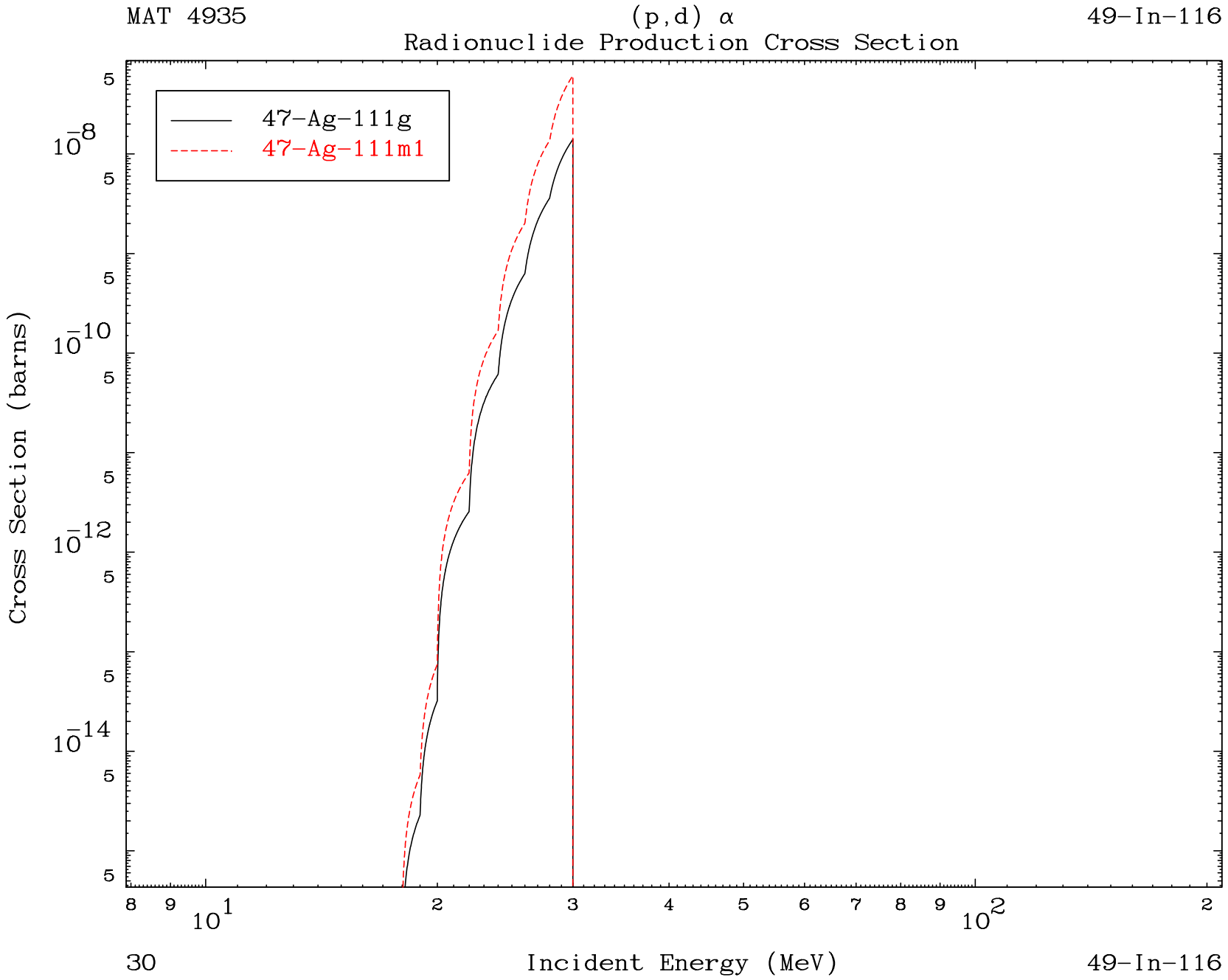

MAT 4935
(p,t)
49-In-116
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
25
49-In-116


MAT 4935
(p,α)
49-In-116
Radionuclide Production Cross Section
48-Cd-113g
48-Cd-113m1
Cross Section (barns)
Incident Energy (MeV)
26
49-In-116


MAT 4935
(p,2α)
49-In-116
Radionuclide Production Cross Section
46-Pd-109g
46-Pd-109m2
Cross Section (barns)
Incident Energy (MeV)
27
49-In-116


MAT 4935
(p,2p)
49-In-116
Radionuclide Production Cross Section
48-Cd-115g
48-Cd-115m1
Cross Section (barns)
Incident Energy (MeV)
28
49-In-116


MAT 4935
(p,p) t
49-In-116
Radionuclide Production Cross Section
48-Cd-113g
48-Cd-113m1
Cross Section (barns)
Incident Energy (MeV)
29
49-In-116


MAT 4935
(p,d) α
49-In-116
Radionuclide Production Cross Section
47-Ag-111g
47-Ag-111m1
Cross Section (barns)
Incident Energy (MeV)
30
49-In-116