Program EVALPLOT
(Version 2018-1)
by
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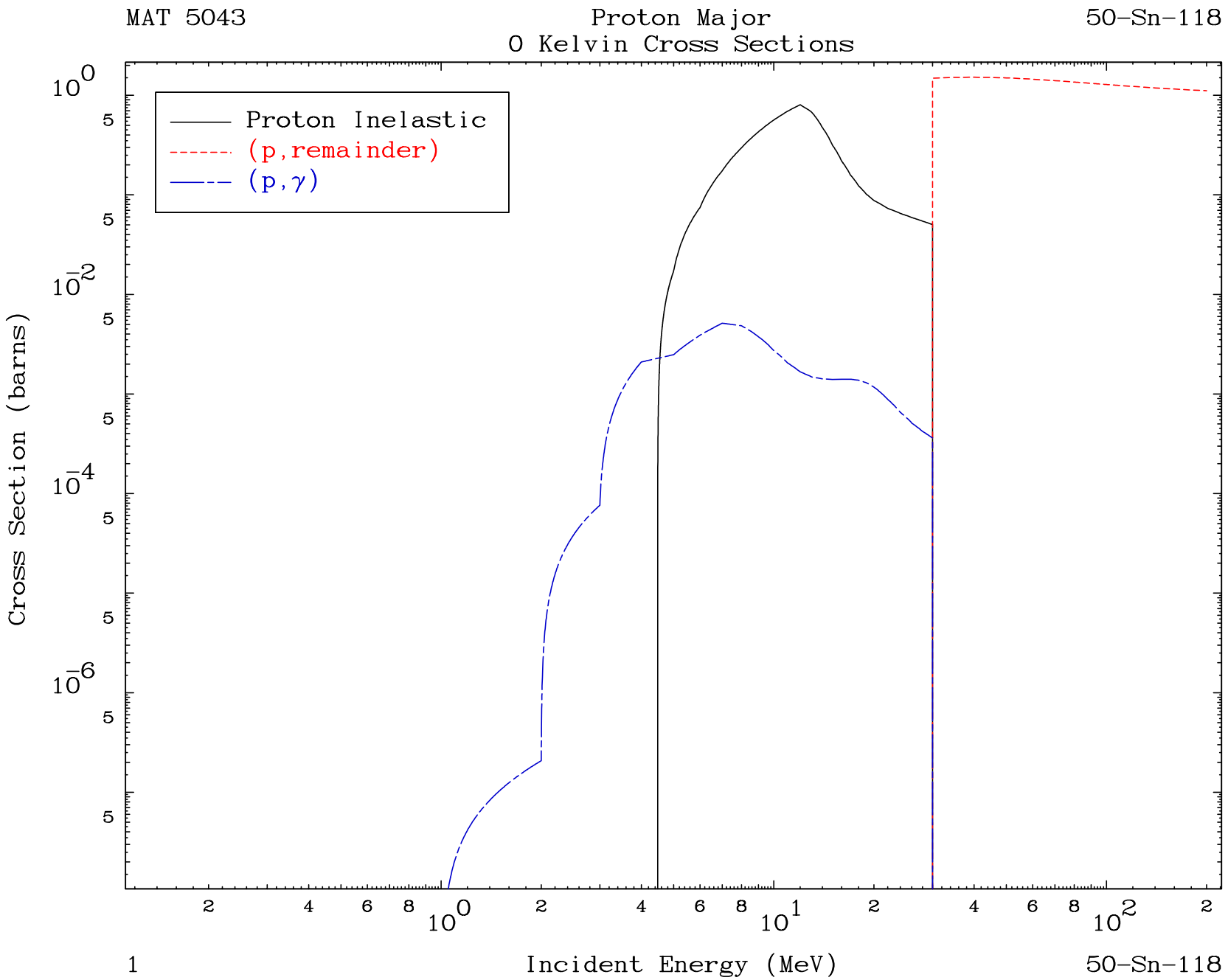
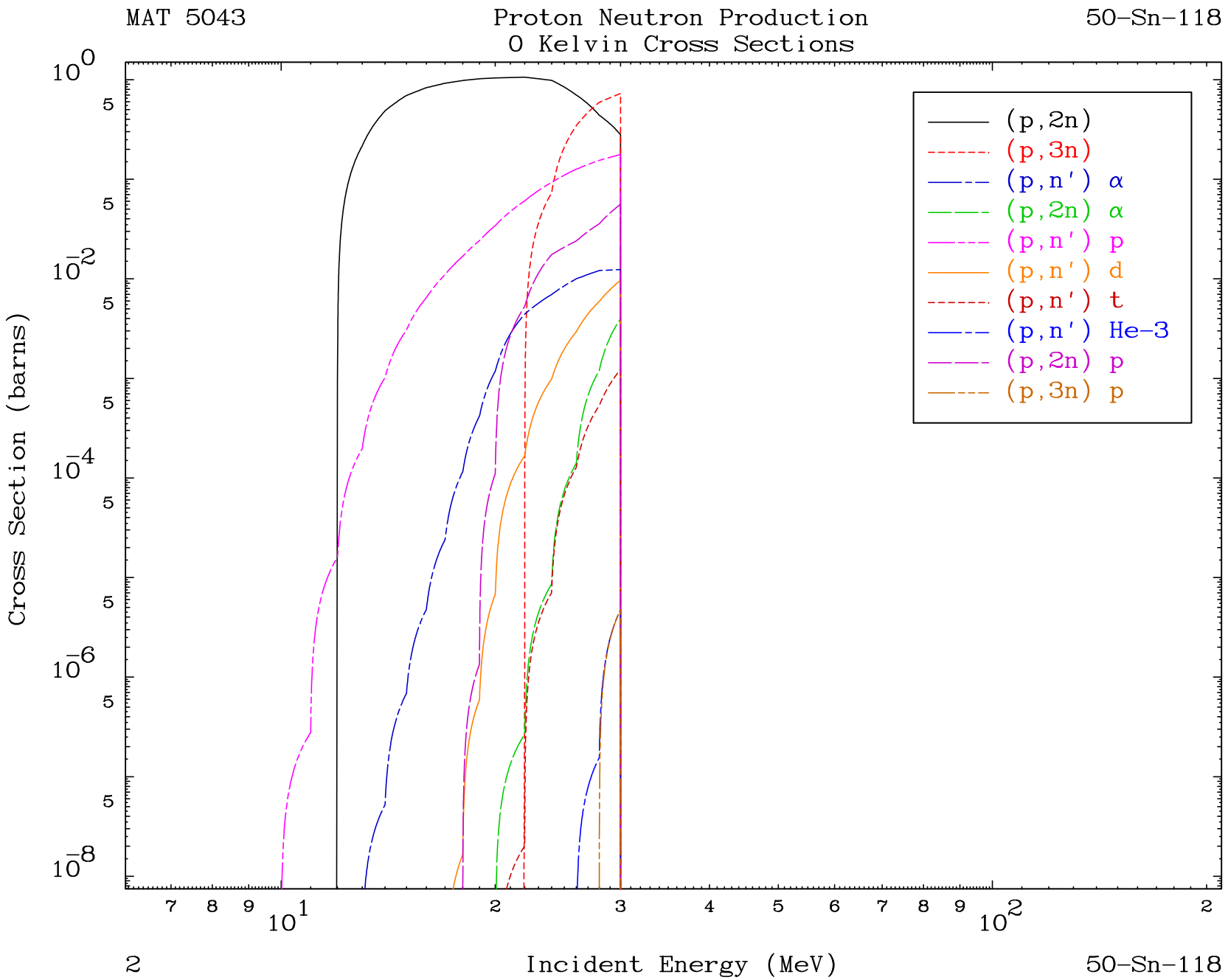
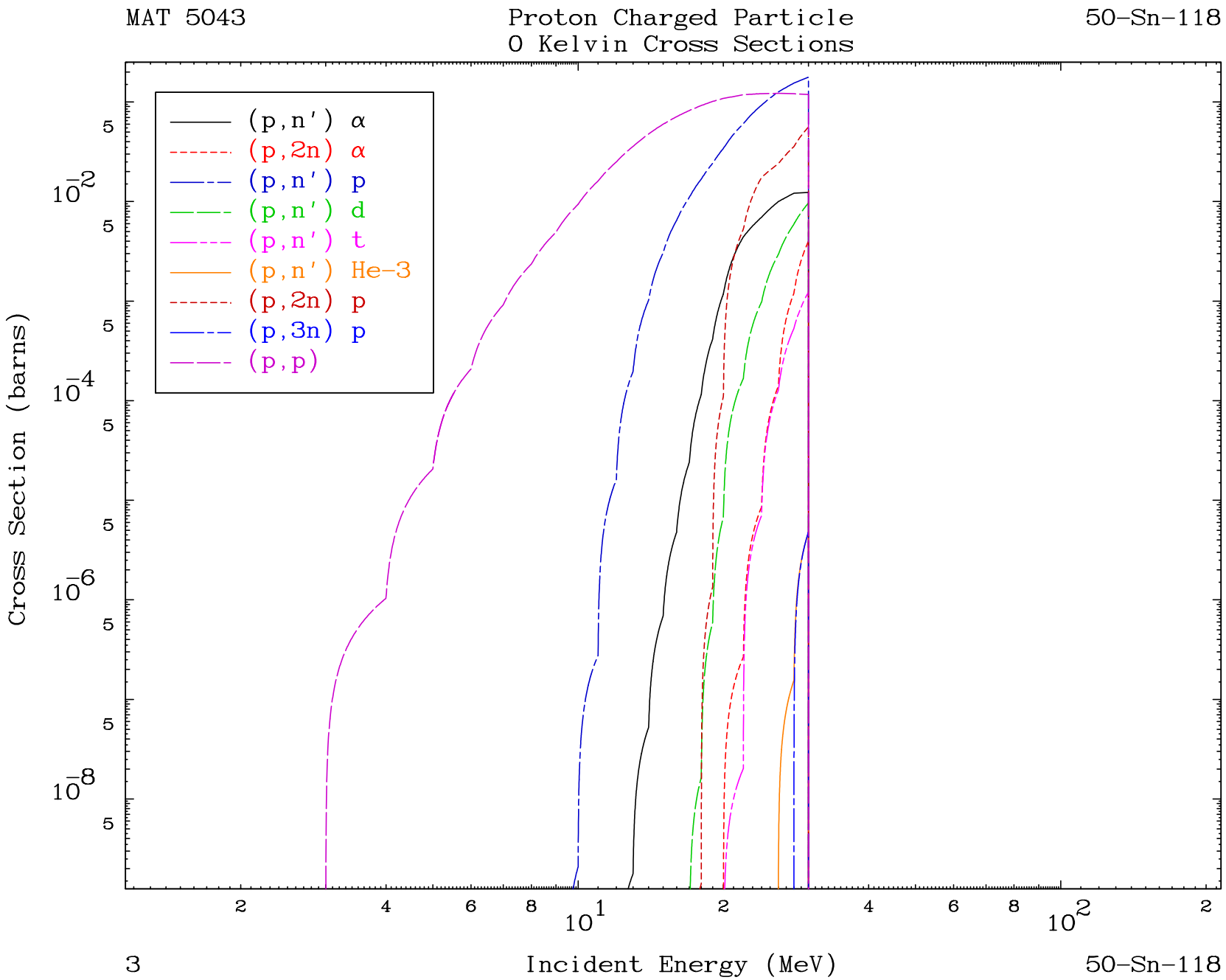
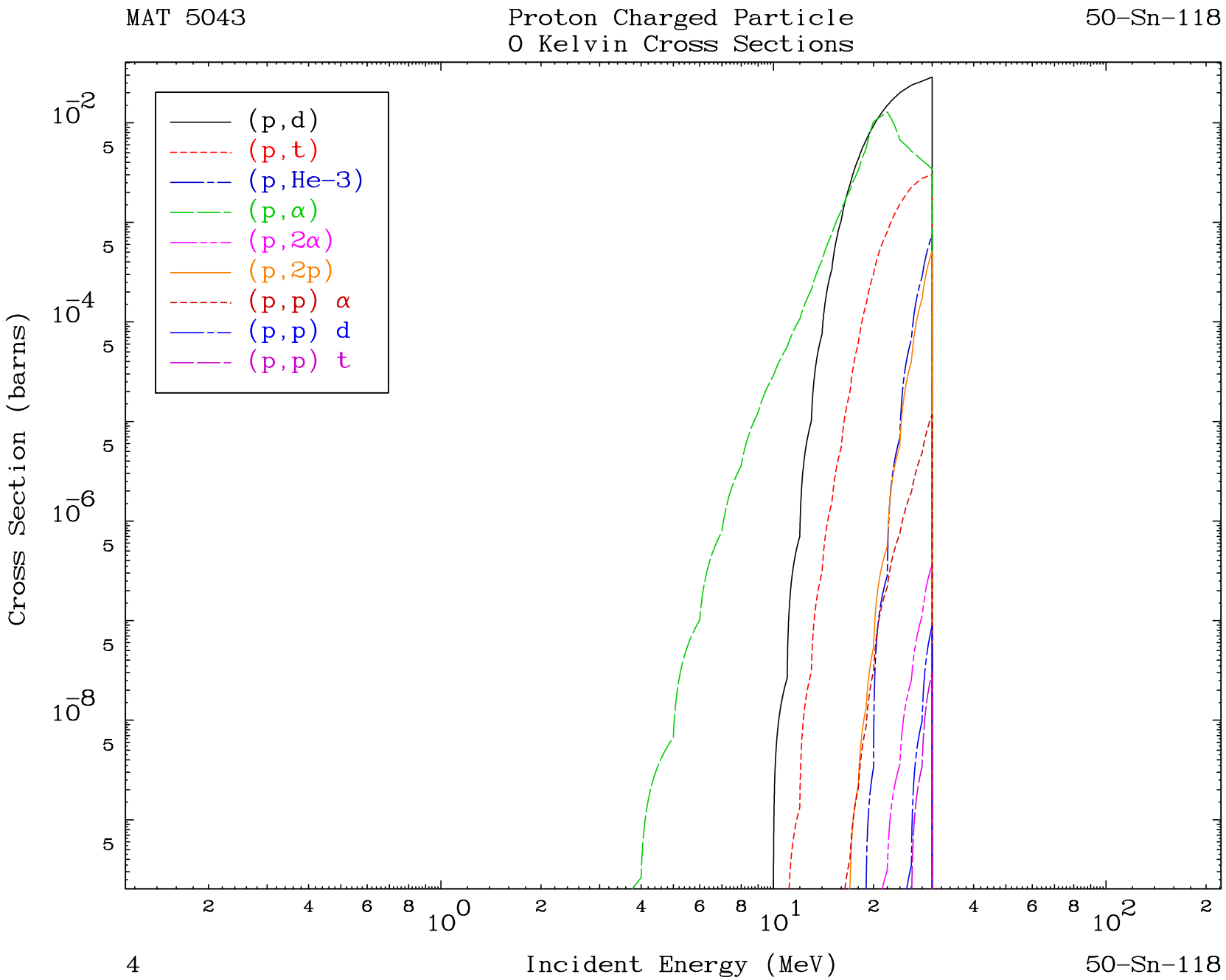
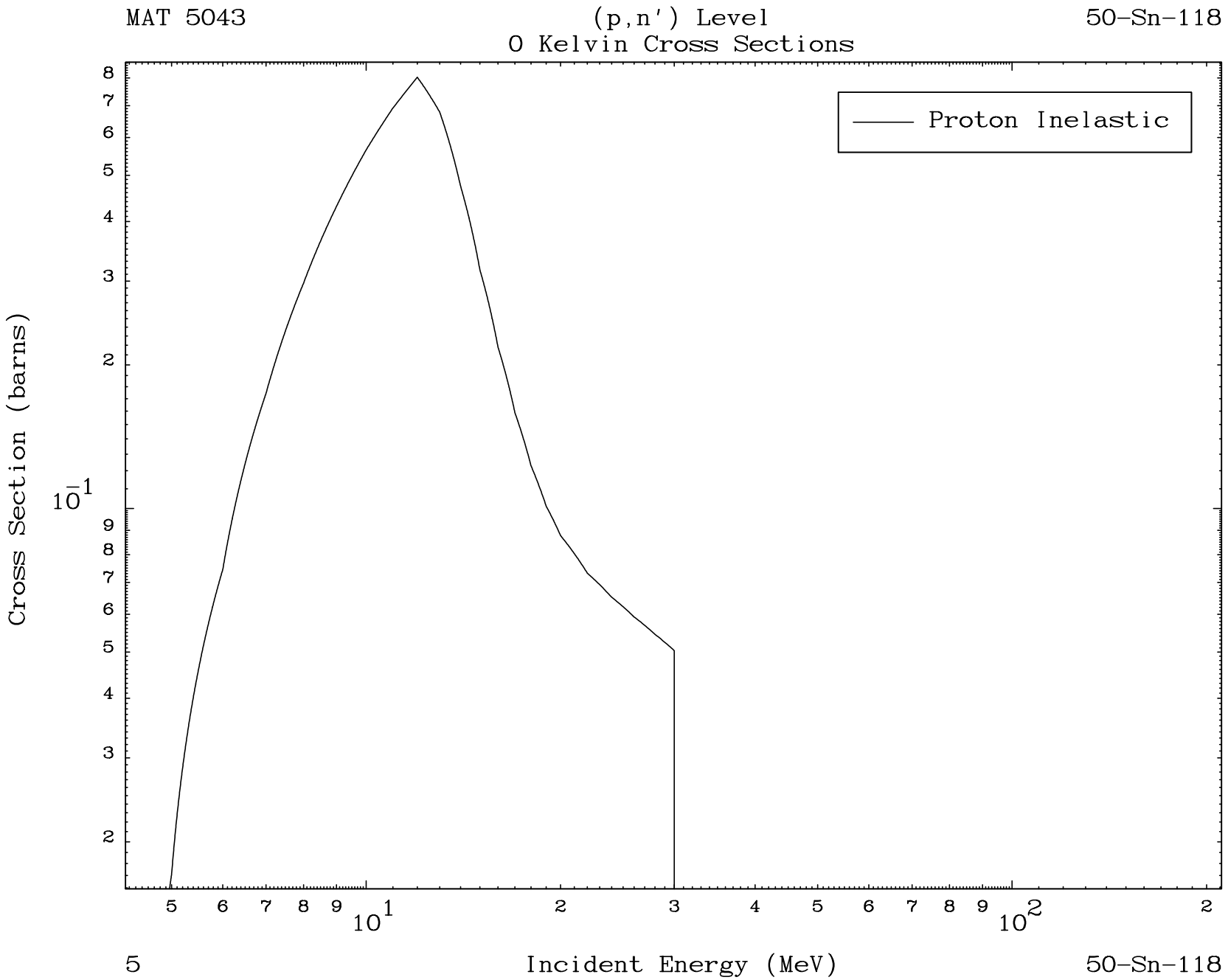
Press Mouse Button to Start

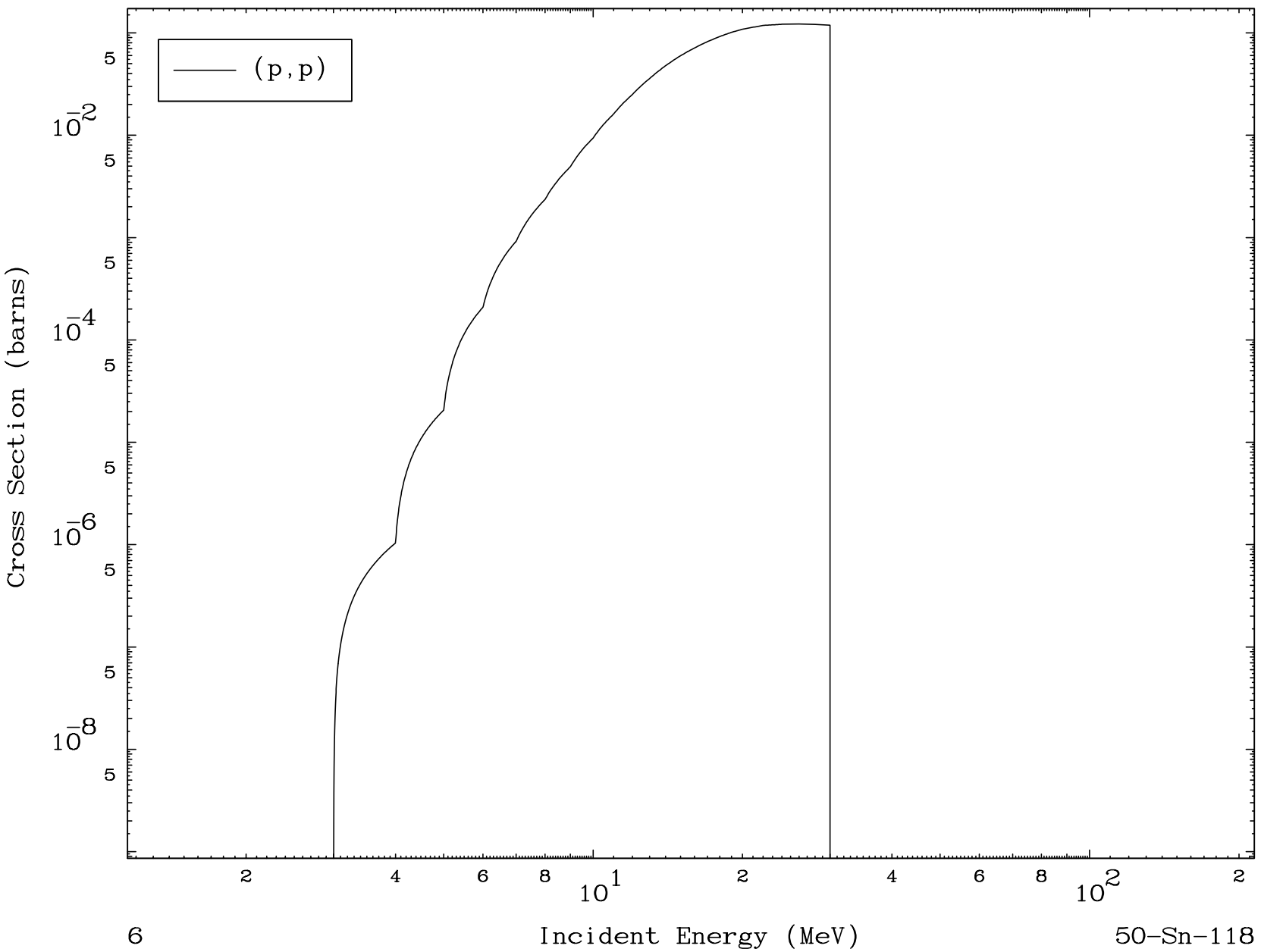

MAT 5043
Proton Major
50-Sn-118
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-118
1

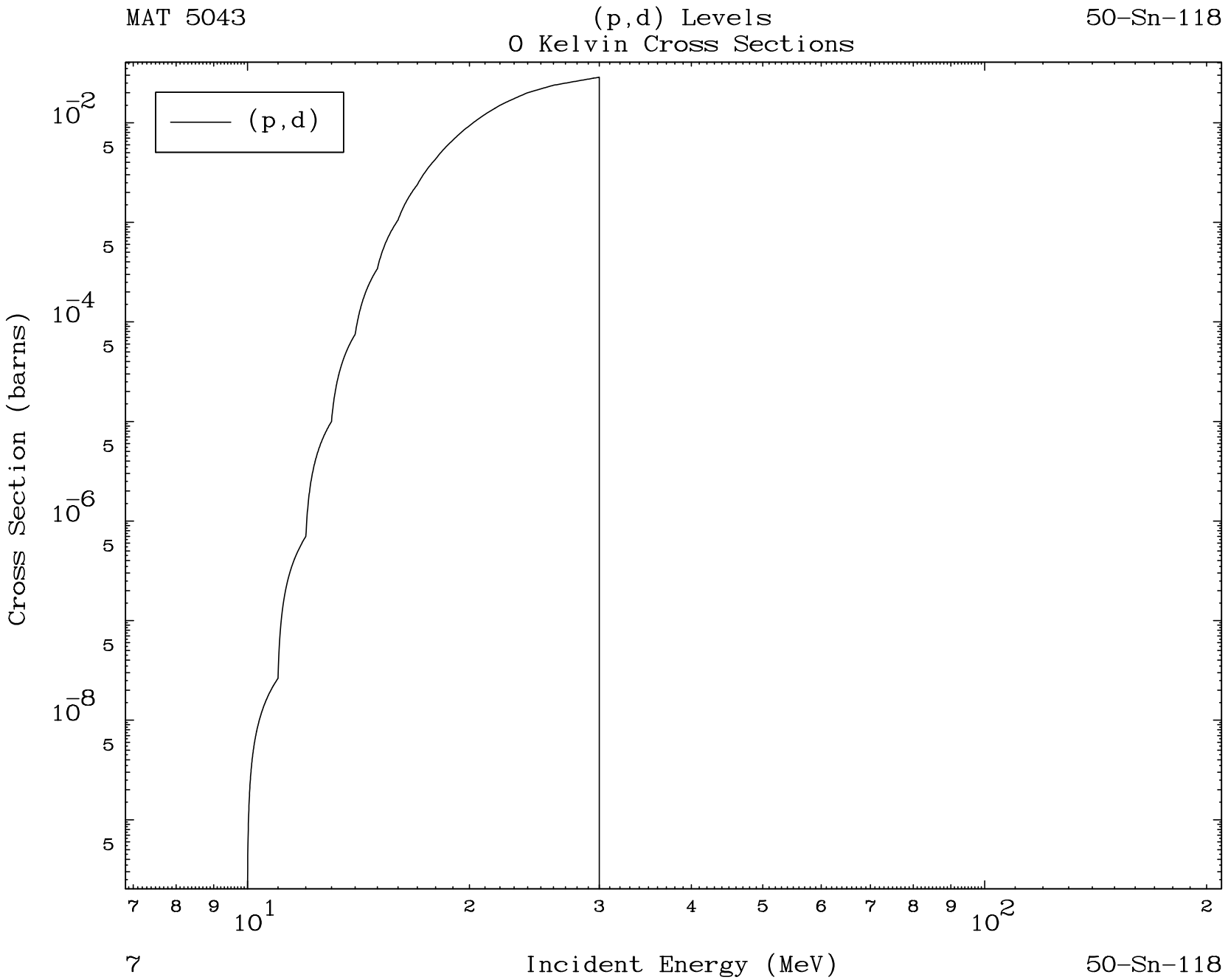

MAT 5043
Proton Neutron Production
0 Kelvin Cross Sections
50-Sn-118
Cross Section (barns)
Incident Energy (MeV)
50-Sn-118
2
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,n') p
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p

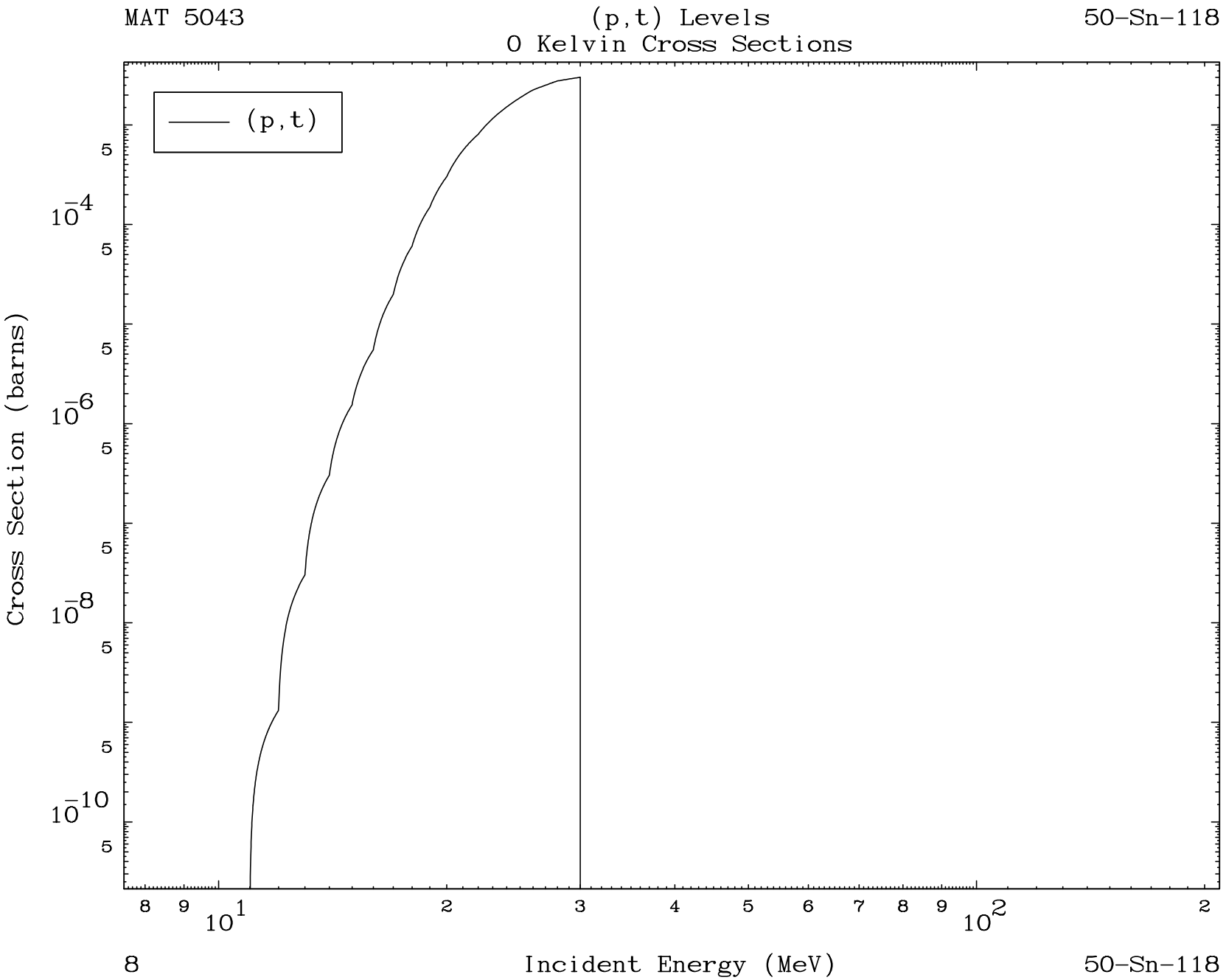

MAT 5043
Proton Charged Particle
0 Kelvin Cross Sections
50-Sn-118
(p,n') α
(p,2n) α
(p,n') p
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
(p,p)
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-118

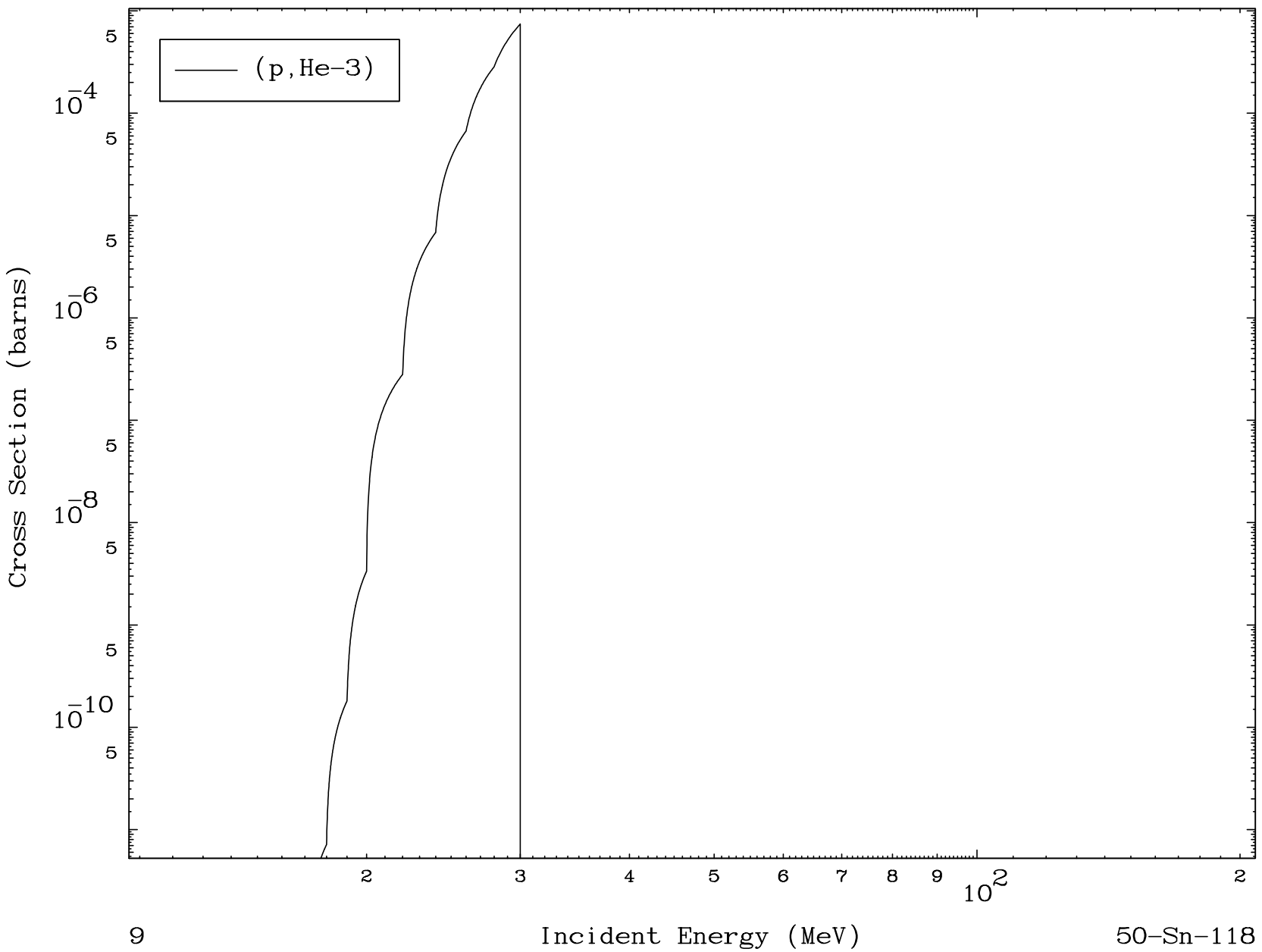

MAT 5043
Proton Charged Particle
0 Kelvin Cross Sections
50-Sn-118
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
4
50-Sn-118

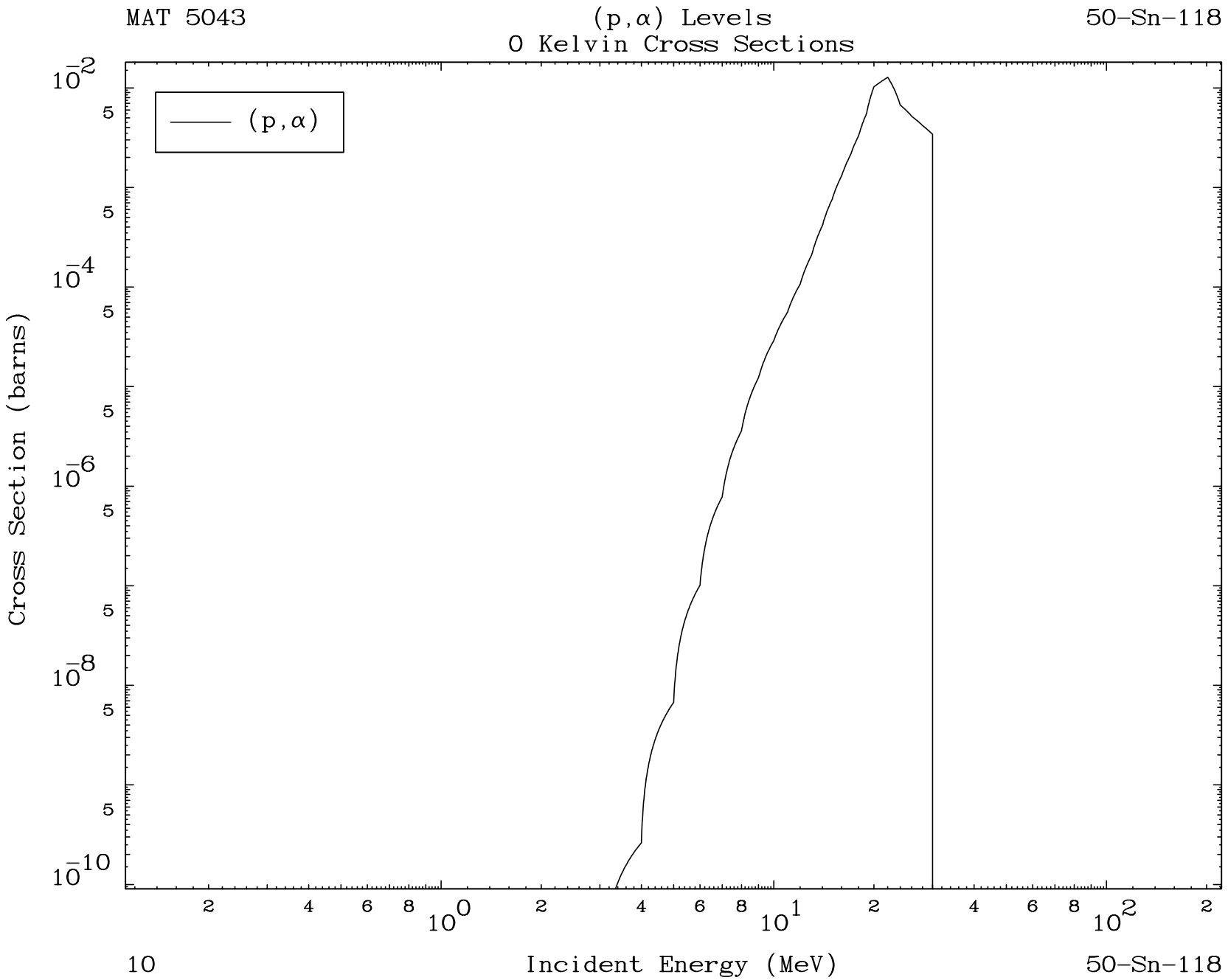

MAT 5043
(p,n') Level
50-Sn-118
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
Incident Energy (MeV)
50-Sn-118

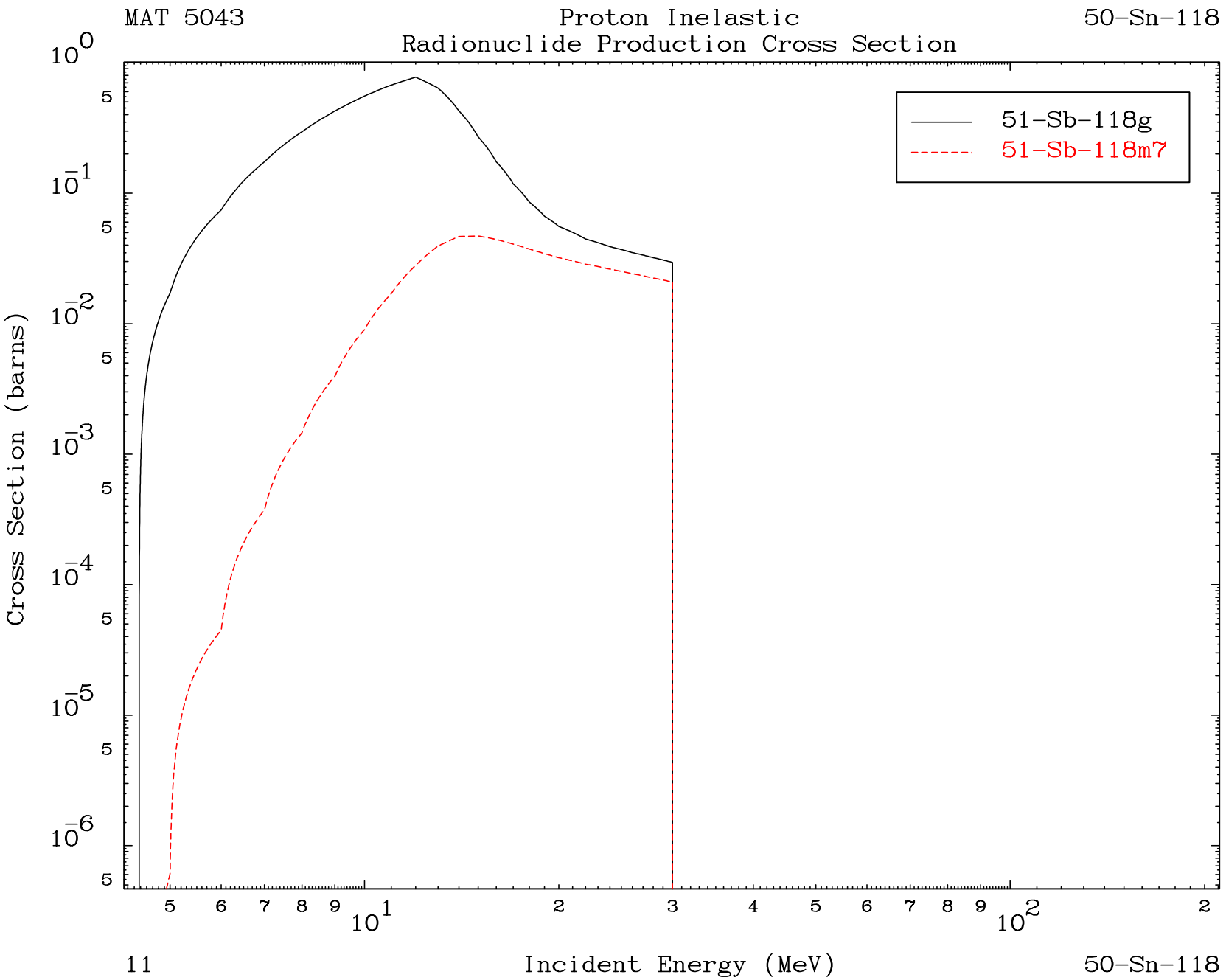

0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
101
102
Incident Energy (MeV)

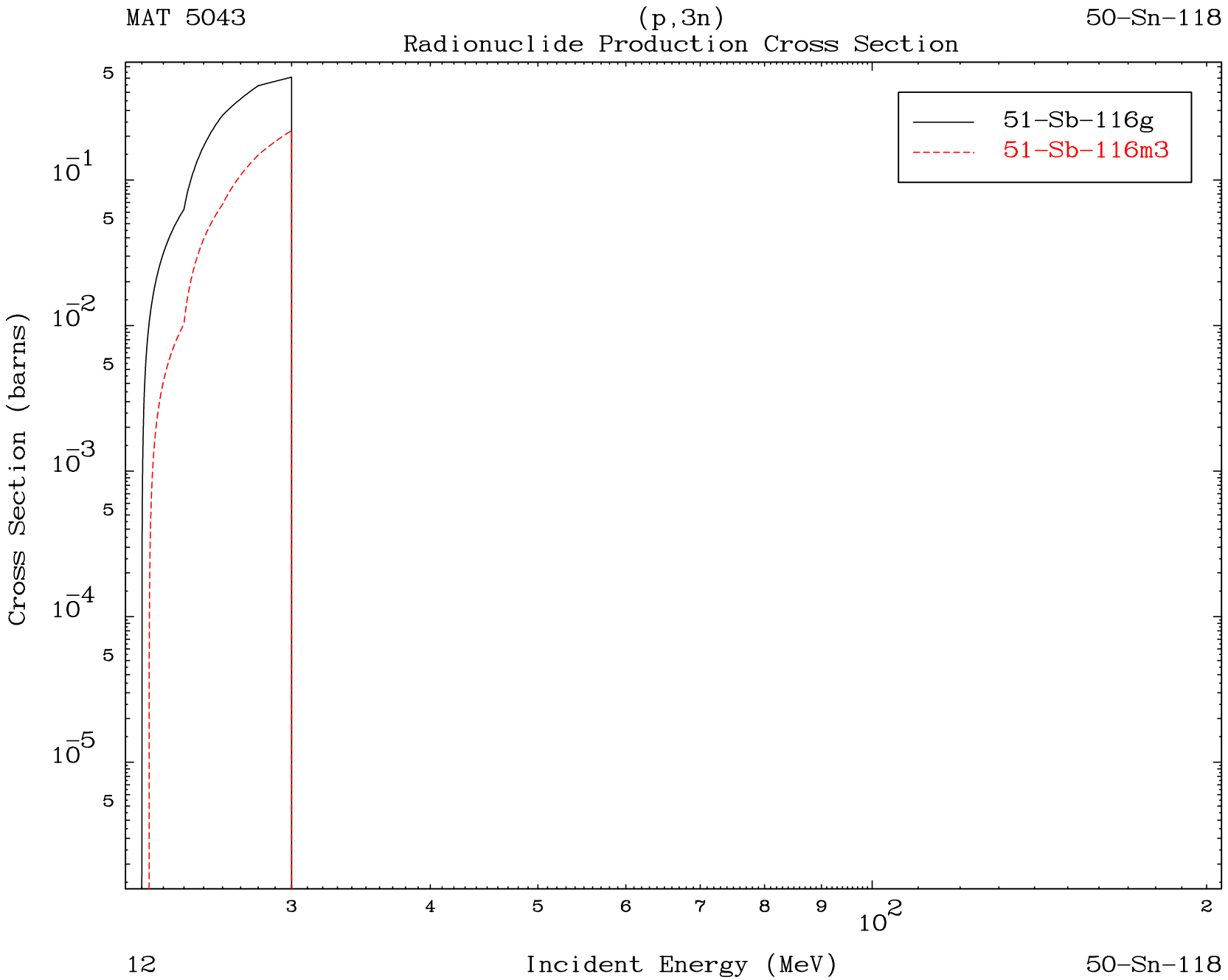

MAT 5043
(p,d) Levels
50-Sn-118
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
Incident Energy (MeV)
7
50-Sn-118

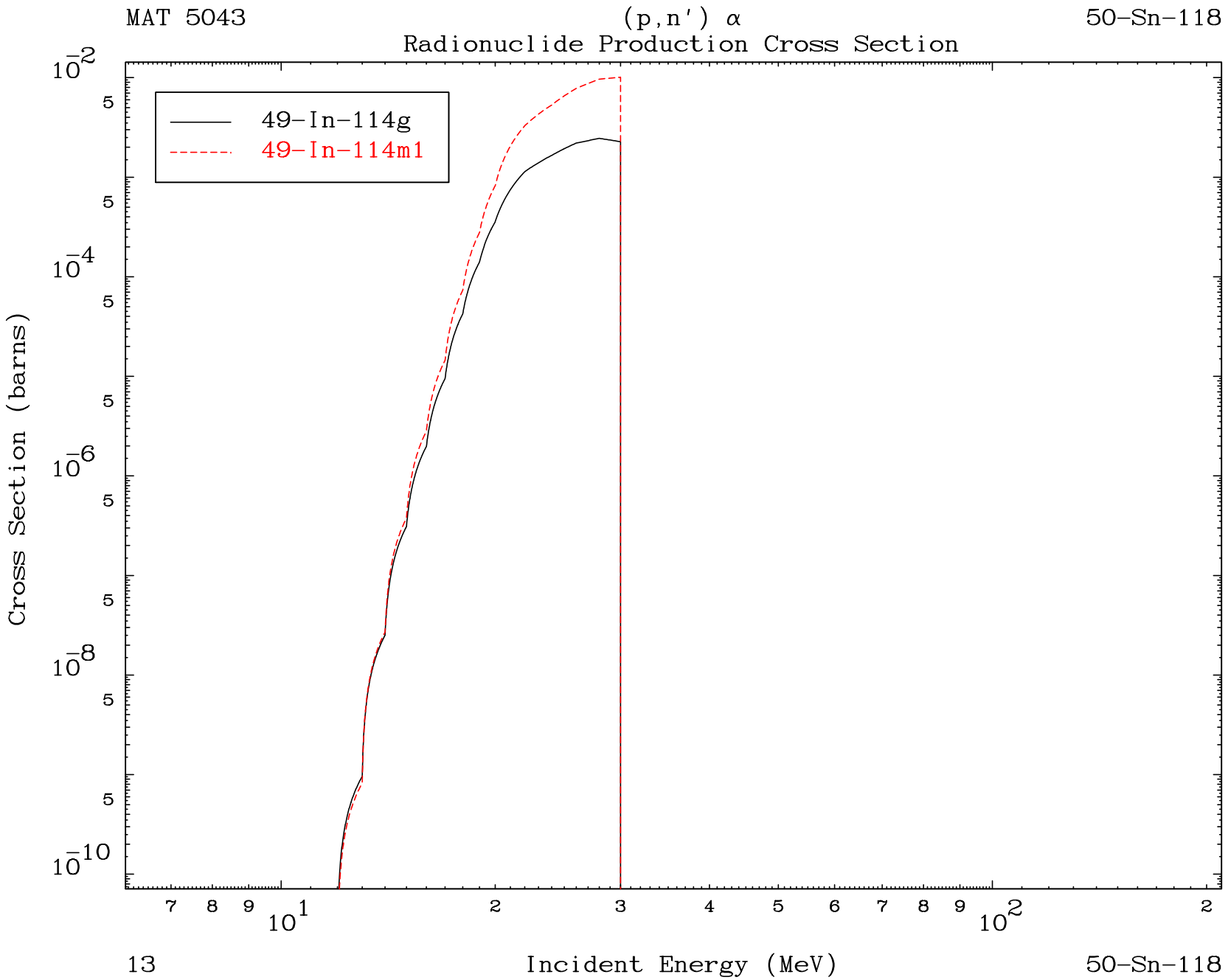

MAT 5043
(p,t) Levels
50-Sn-118
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
8
50-Sn-118

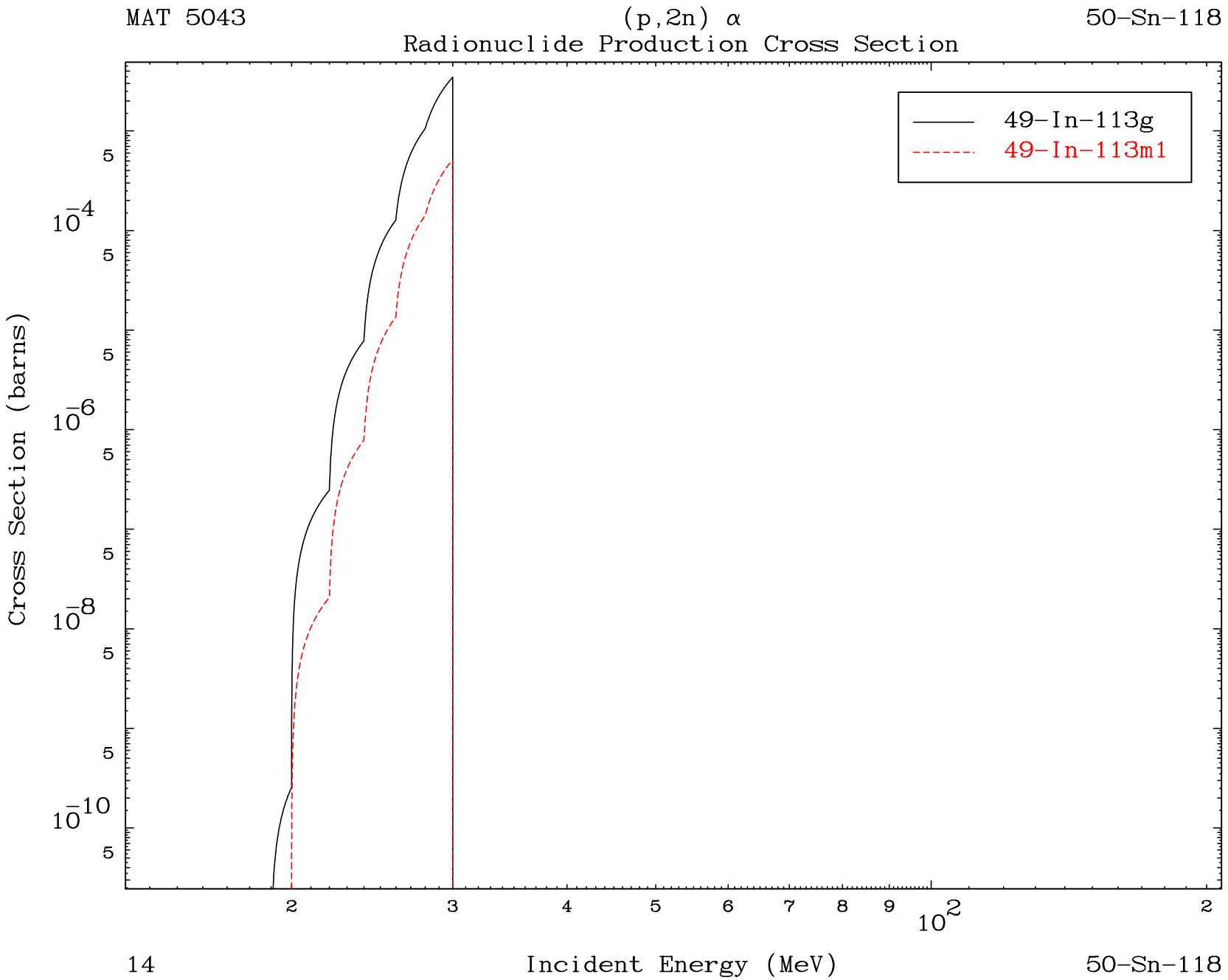

0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)

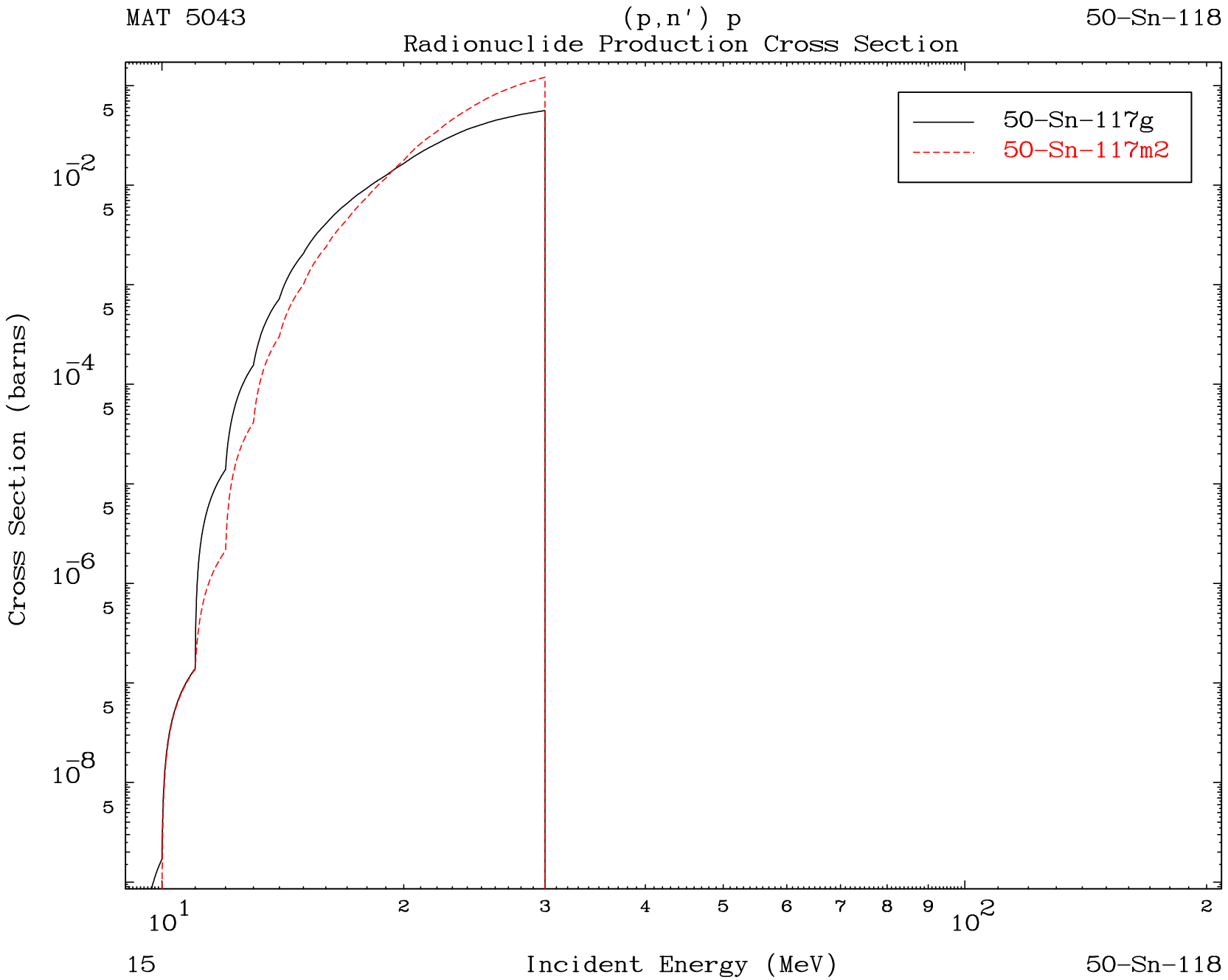

MAT 5043
(p,α) Levels
50-Sn-118
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-118

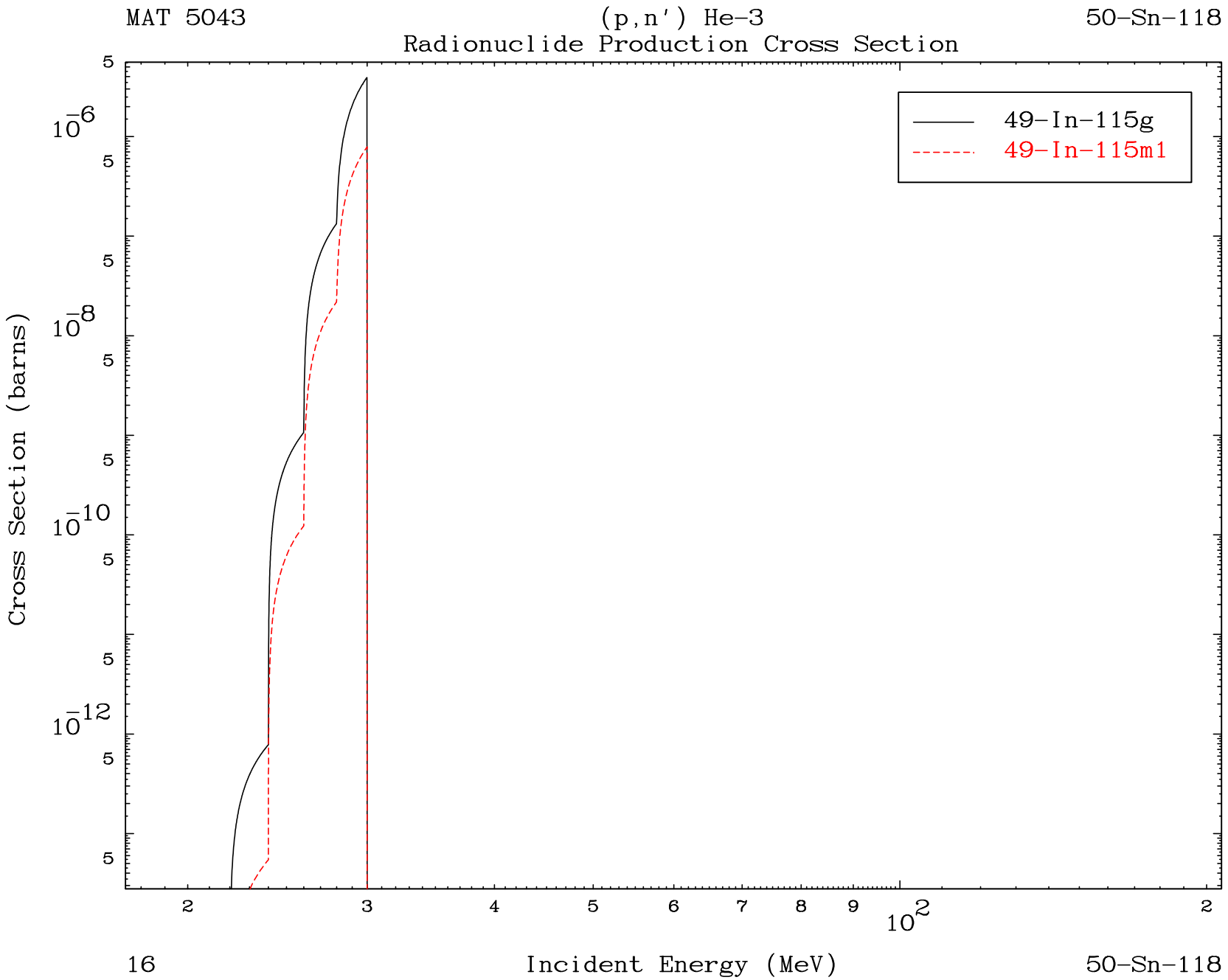

MAT 5043
Proton Inelastic
50-Sn-118
Radionuclide Production Cross Section
51-Sb-118g
51-Sb-118m7
Cross Section (barns)
Incident Energy (MeV)
11
50-Sn-118

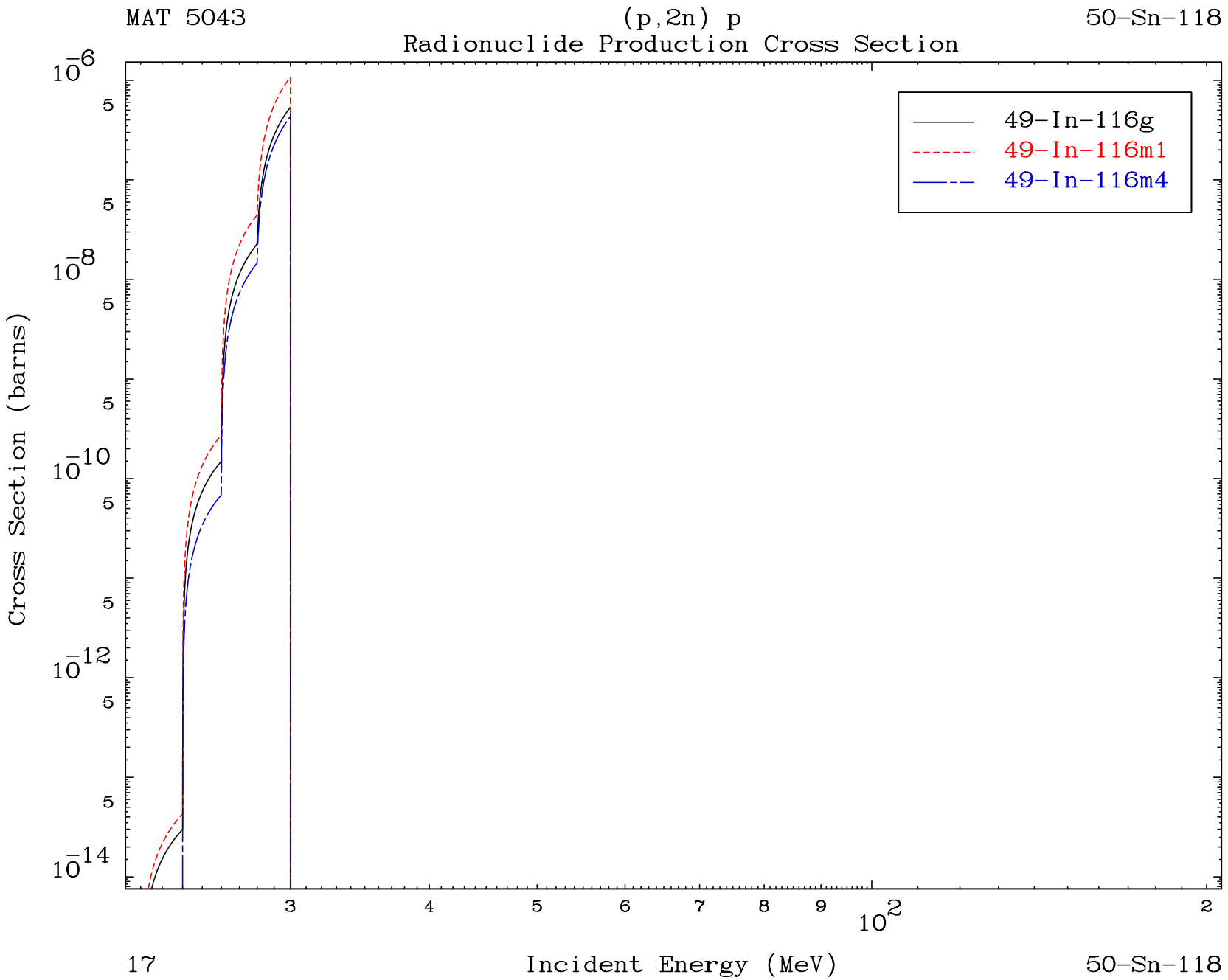

MAT 5043
(p,3n)
50-Sn-118
Radionuclide Production Cross Section
51-Sb-116g
51-Sb-116m3
Cross Section (barns)
Incident Energy (MeV)
12
50-Sn-118

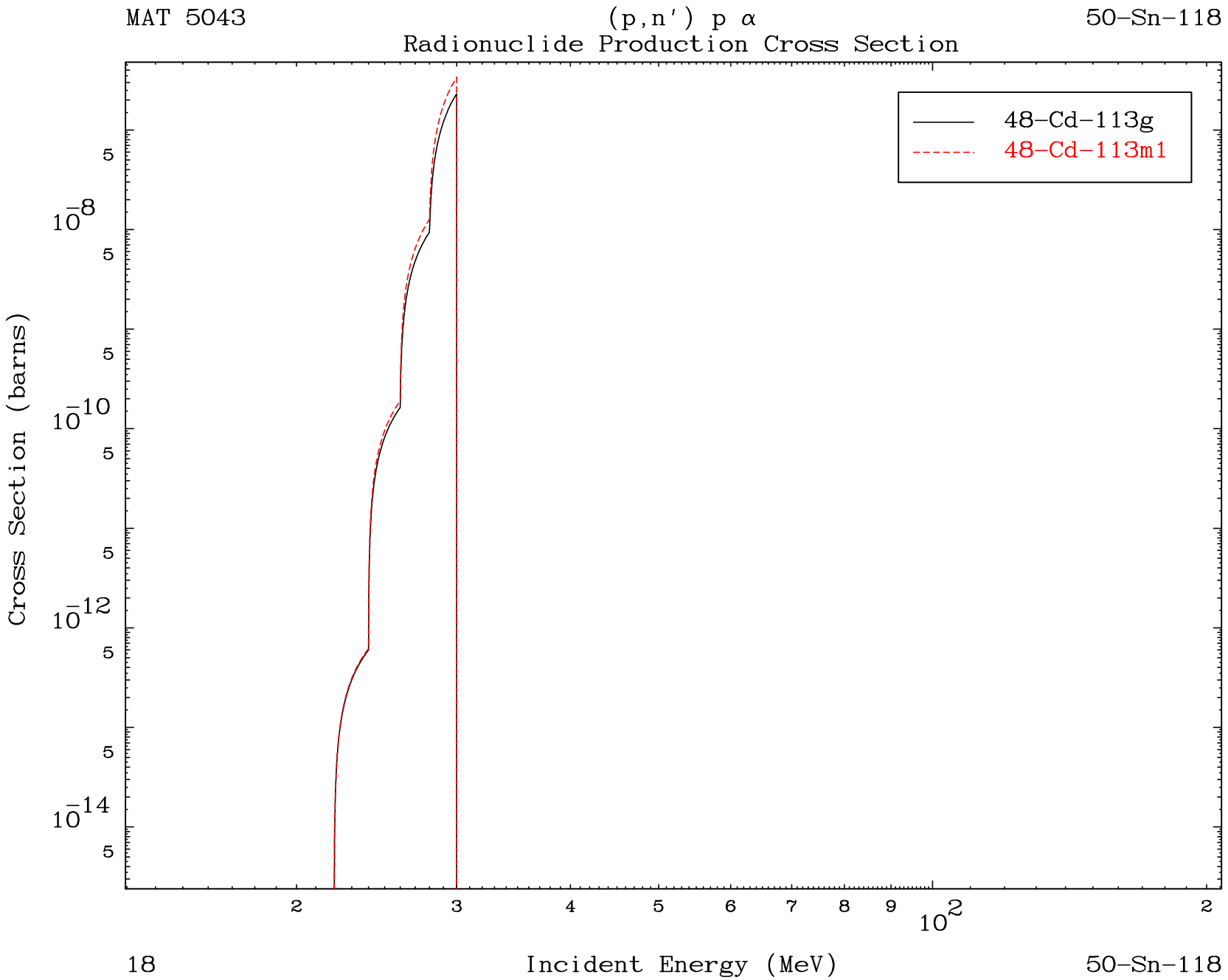

MAT 5043
(p,n') α
50-Sn-118
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
Cross Section (barns)
Incident Energy (MeV)
13
50-Sn-118

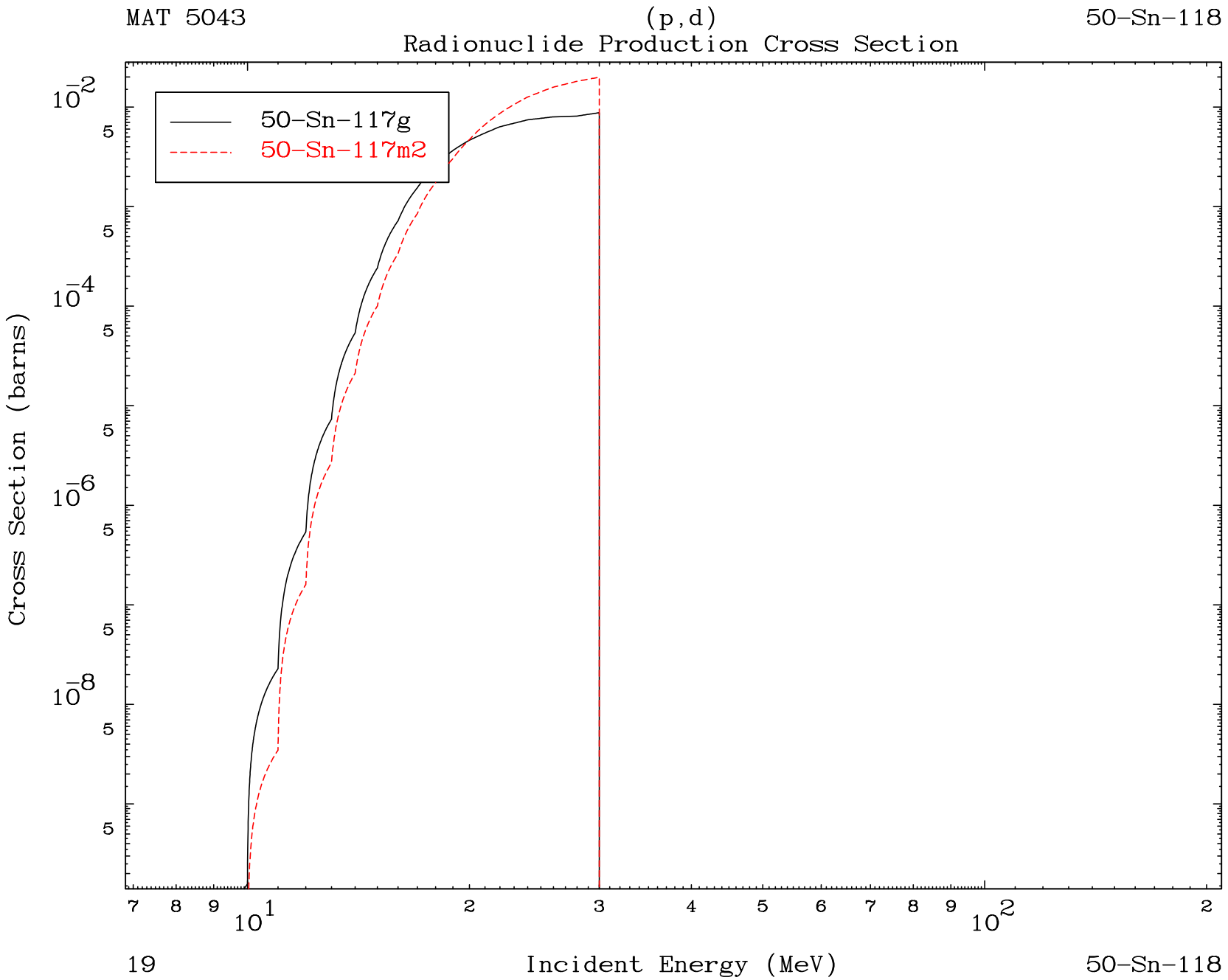

MAT 5043
(p,2n) α
50-Sn-118
Radionuclide Production Cross Section
49-In-113g
49-In-113m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
102
2
14
Incident Energy (MeV)
50-Sn-118

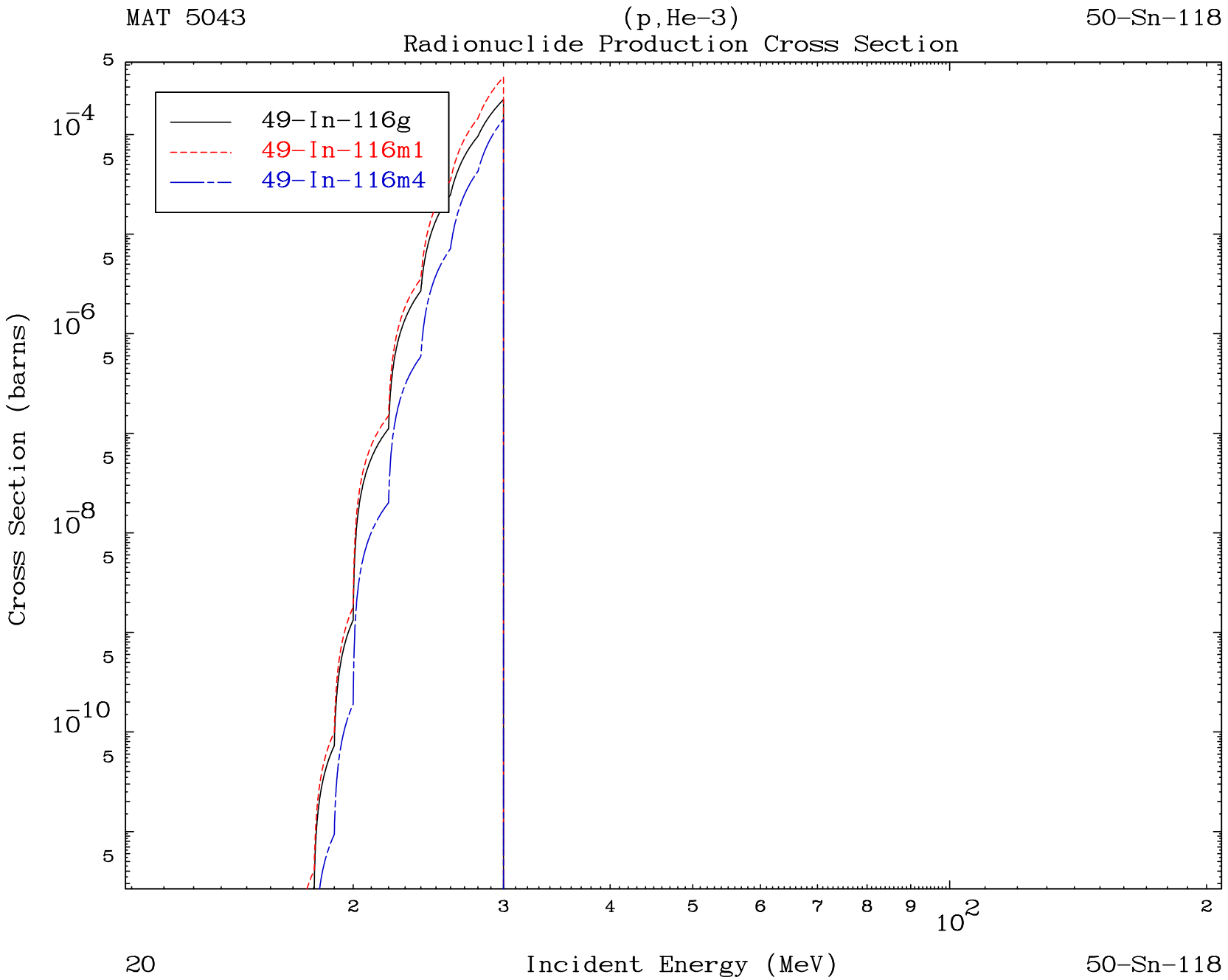

MAT 5043
(p,n') p
50-Sn-118
Radionuclide Production Cross Section
50-Sn-117g
50-Sn-117m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
101
2
3
4
5
6
7
8
9
102
2
15
Incident Energy (MeV)
50-Sn-118

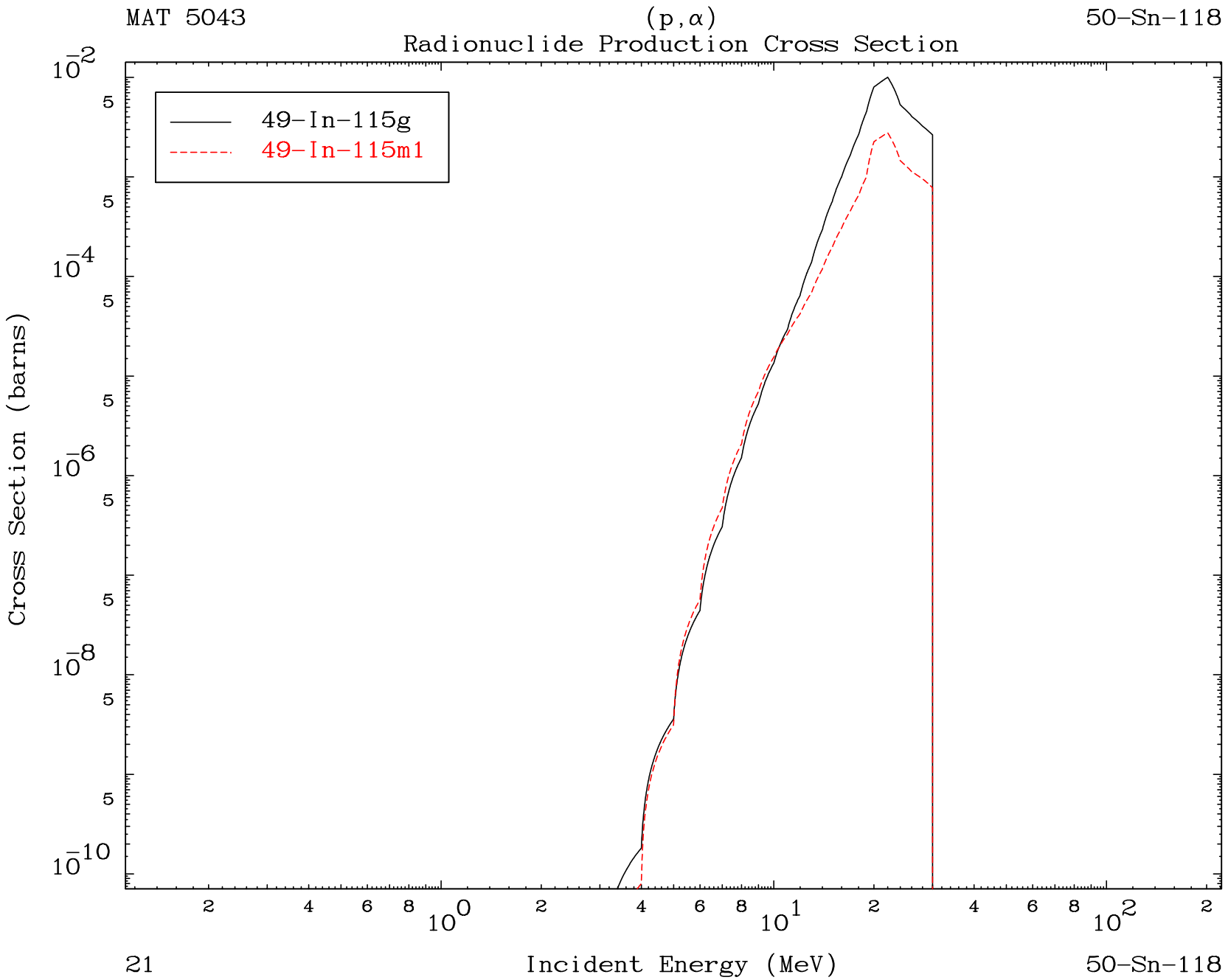

MAT 5043
(p,n') He-3
50-Sn-118
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
Incident Energy (MeV)
16
50-Sn-118

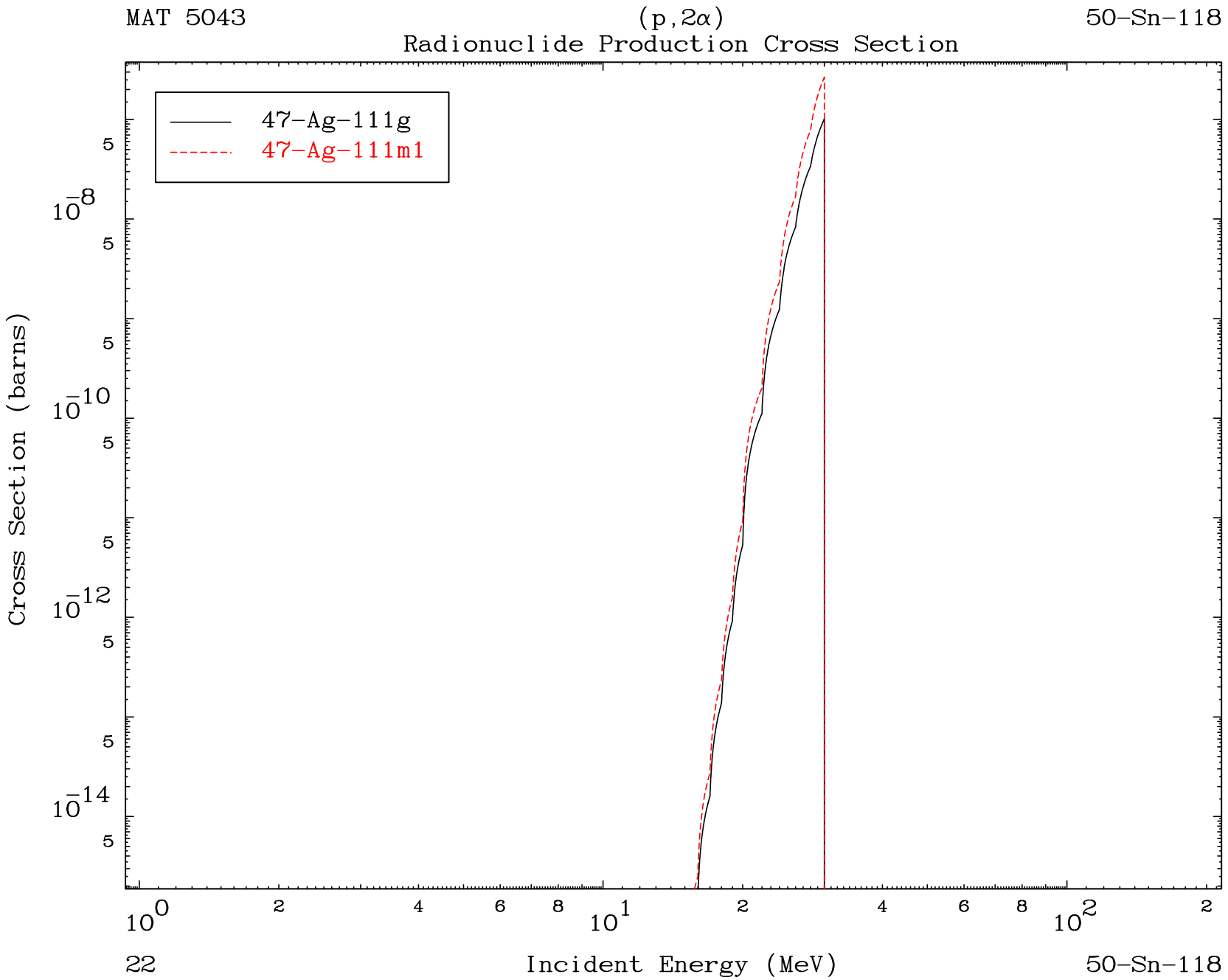

MAT 5043
(p,2n) p
50-Sn-118
Radionuclide Production Cross Section
49-In-116g
49-In-116m1
49-In-116m4
Cross Section (barns)
Incident Energy (MeV)
17
50-Sn-118

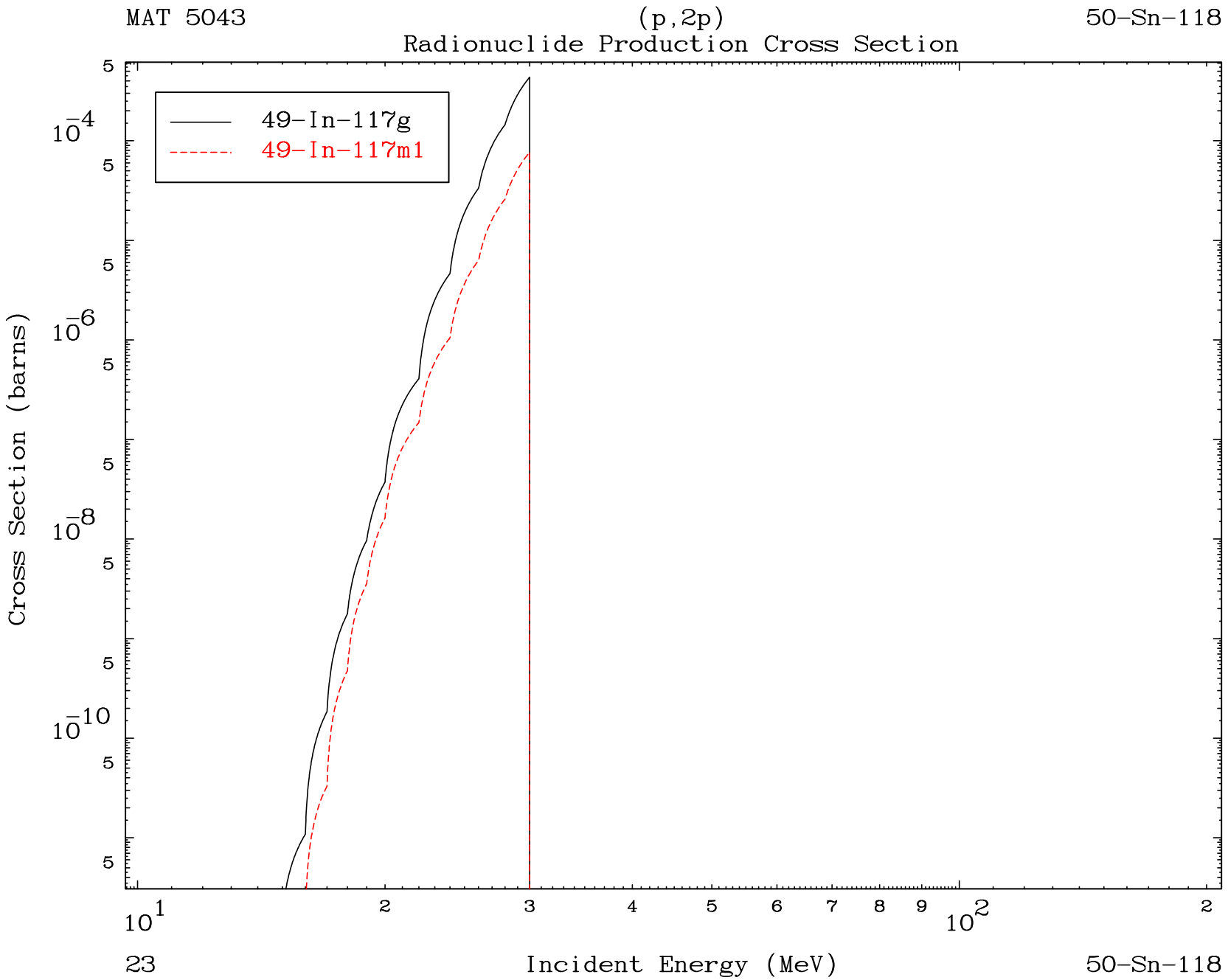

MAT 5043
(p,n') p α
50-Sn-118
Radionuclide Production Cross Section
48-Cd-113g
48-Cd-113m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
18
Incident Energy (MeV)
50-Sn-118

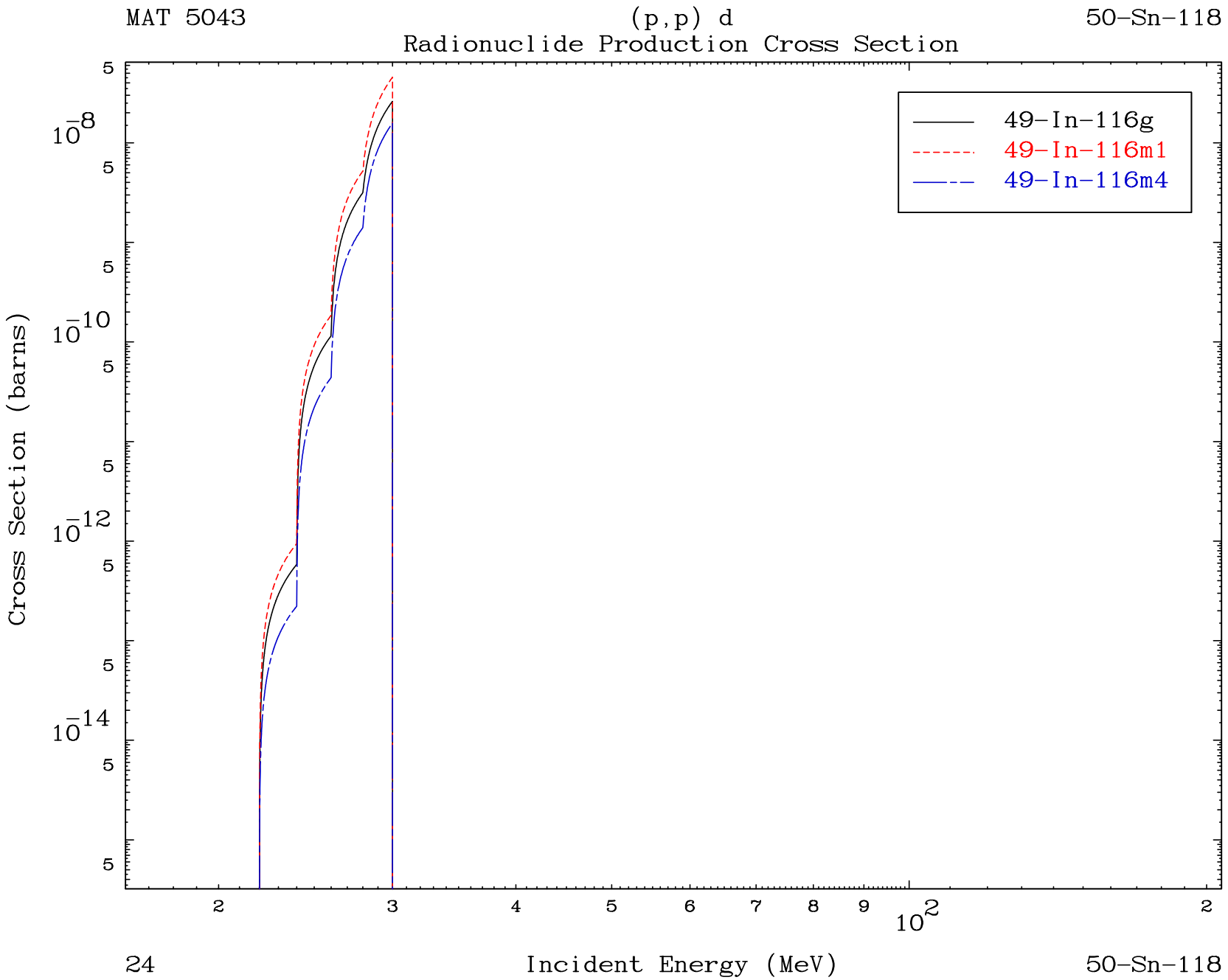

MAT 5043
(p,d)
50-Sn-118
Radionuclide Production Cross Section
50-Sn-117g
50-Sn-117m2
Cross Section (barns)
Incident Energy (MeV)
19
50-Sn-118

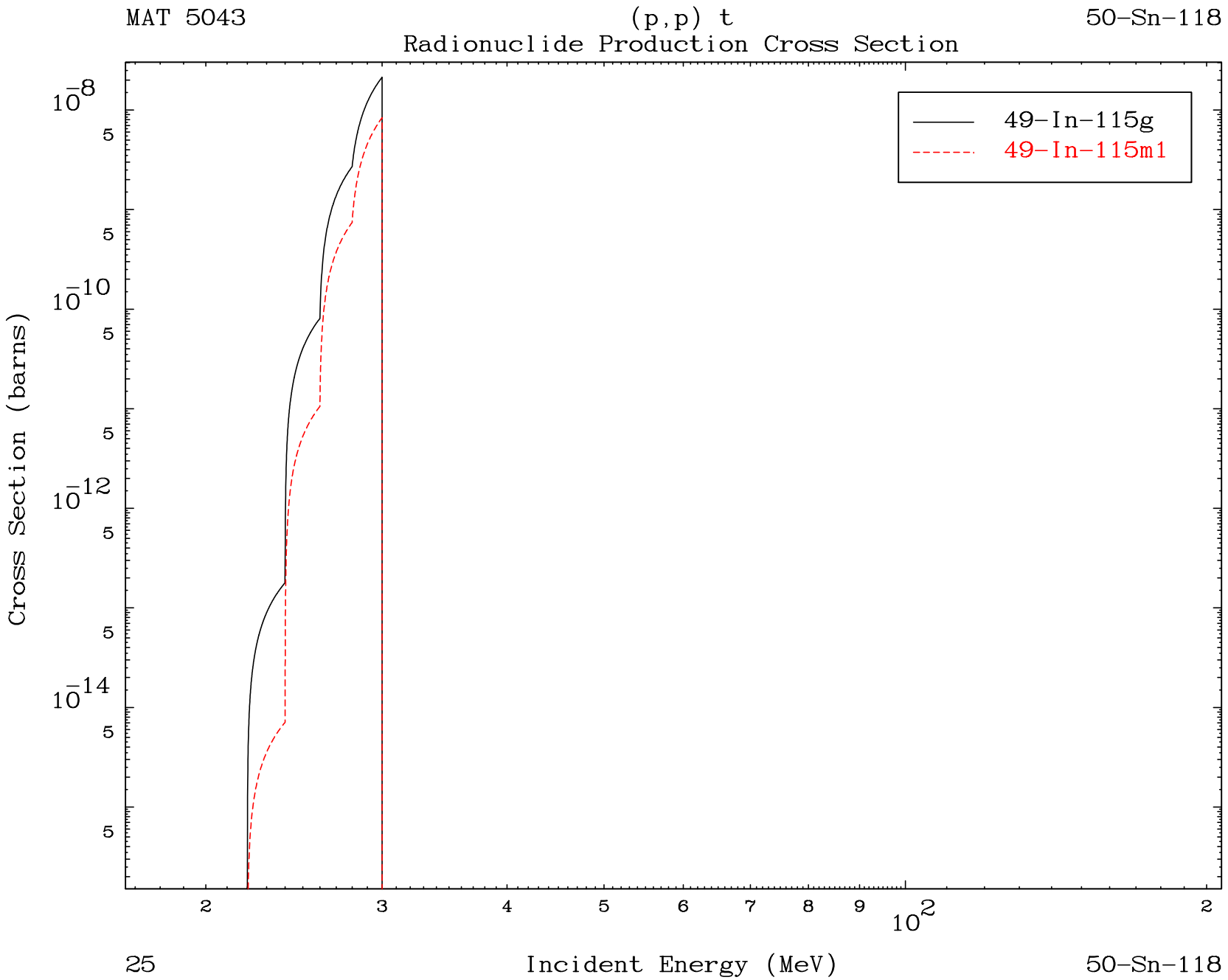

MAT 5043
(p,He-3)
50-Sn-118
Radionuclide Production Cross Section
49-In-116g
49-In-116m1
49-In-116m4
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
20
Incident Energy (MeV)
50-Sn-118

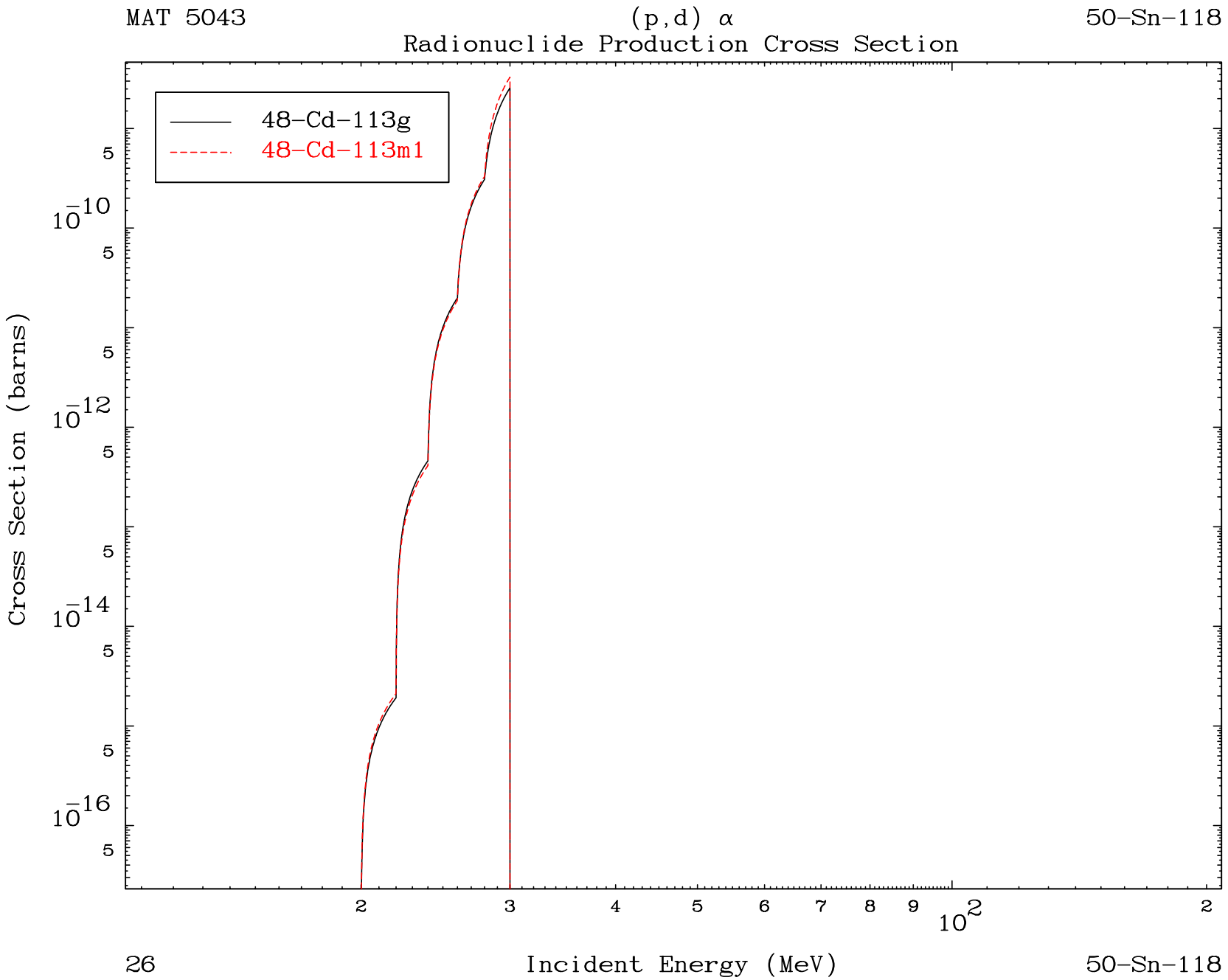

MAT 5043
(p,α)
50-Sn-118
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
Incident Energy (MeV)
21
50-Sn-118


MAT 5043
(p,2α)
50-Sn-118
Radionuclide Production Cross Section
47-Ag-111g
47-Ag-111m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^0
2
4
6
8
10^1
2
4
6
8
10^2
2
22
Incident Energy (MeV)
50-Sn-118


MAT 5043
(p,2p)
50-Sn-118
Radionuclide Production Cross Section
49-In-117g
49-In-117m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
23
50-Sn-118


MAT 5043
(p,p) d
50-Sn-118
Radionuclide Production Cross Section
49-In-116g
49-In-116m1
49-In-116m4
Cross Section (barns)
Incident Energy (MeV)
24
50-Sn-118


MAT 5043
(p,p) t
50-Sn-118
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
25
Incident Energy (MeV)
50-Sn-118


MAT 5043
(p,d) α
50-Sn-118
Radionuclide Production Cross Section
48-Cd-113g
48-Cd-113m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
26
Incident Energy (MeV)
50-Sn-118