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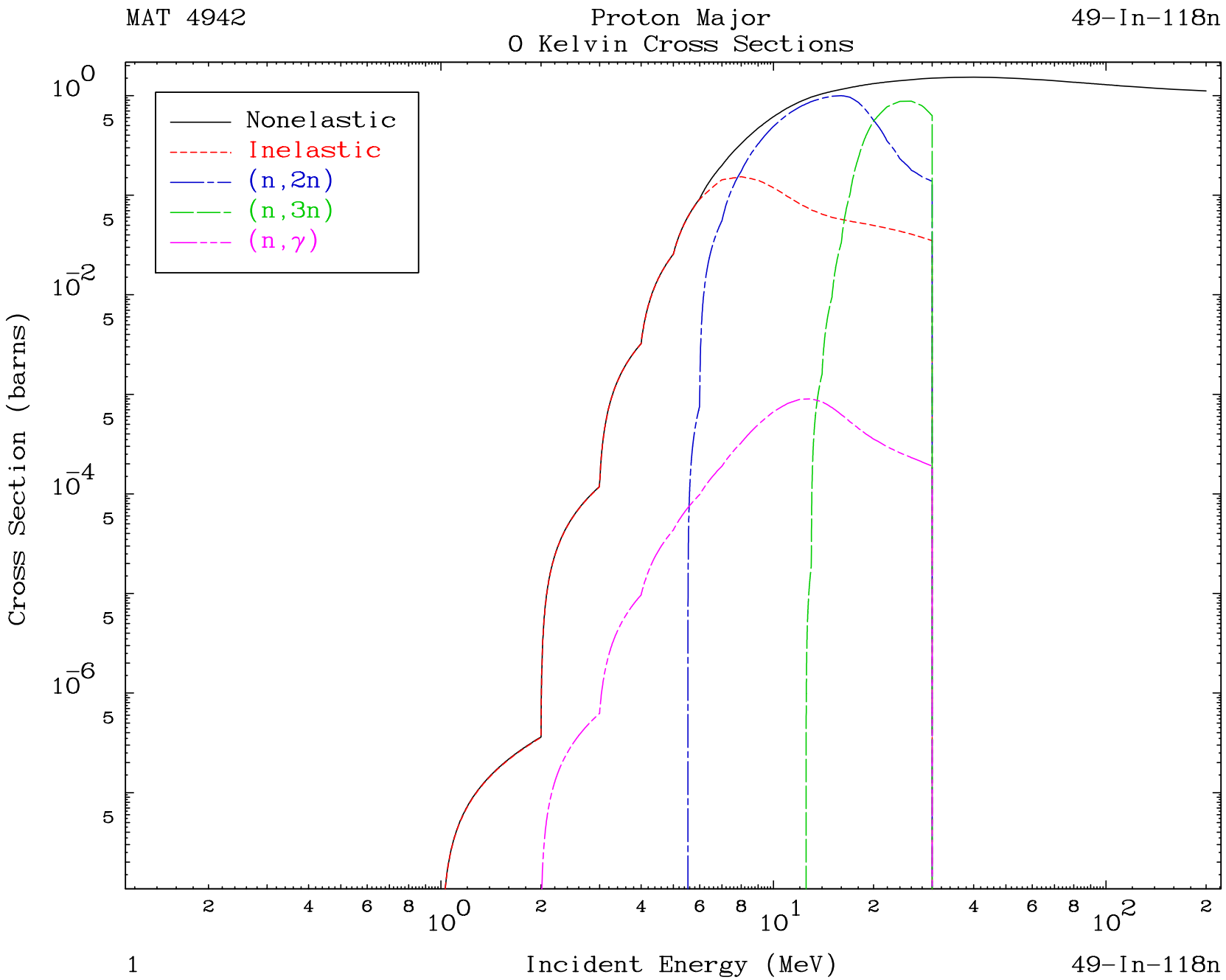
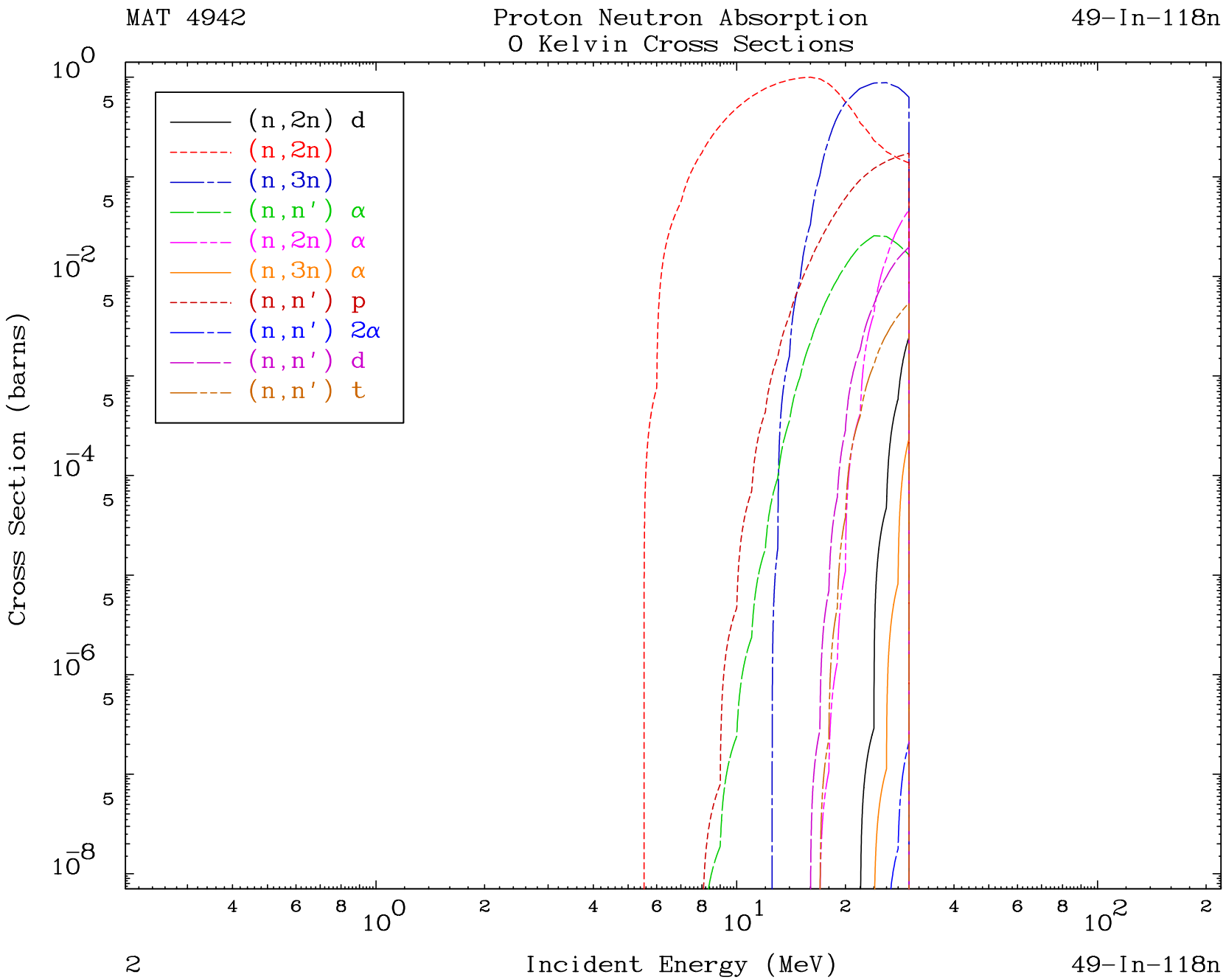
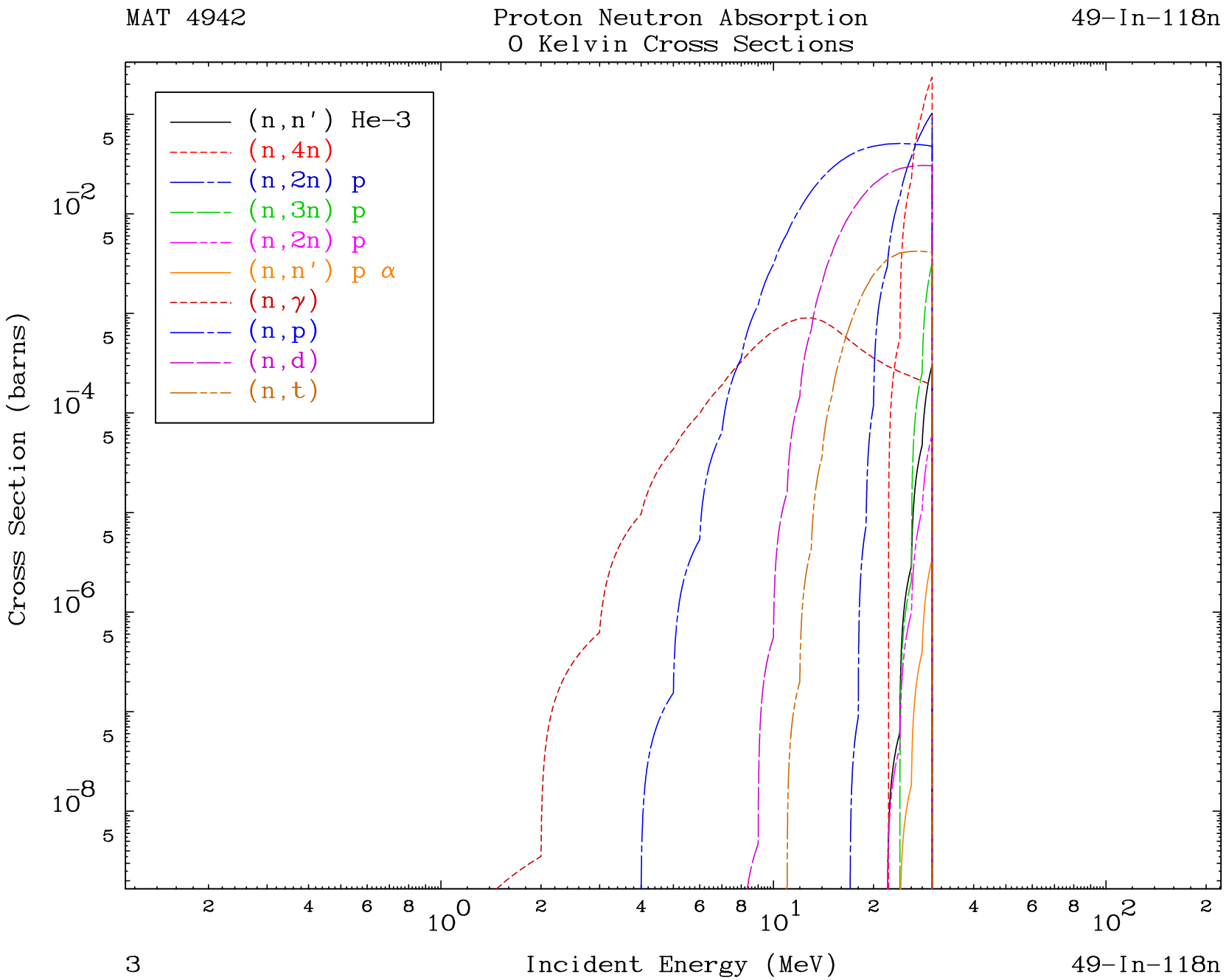
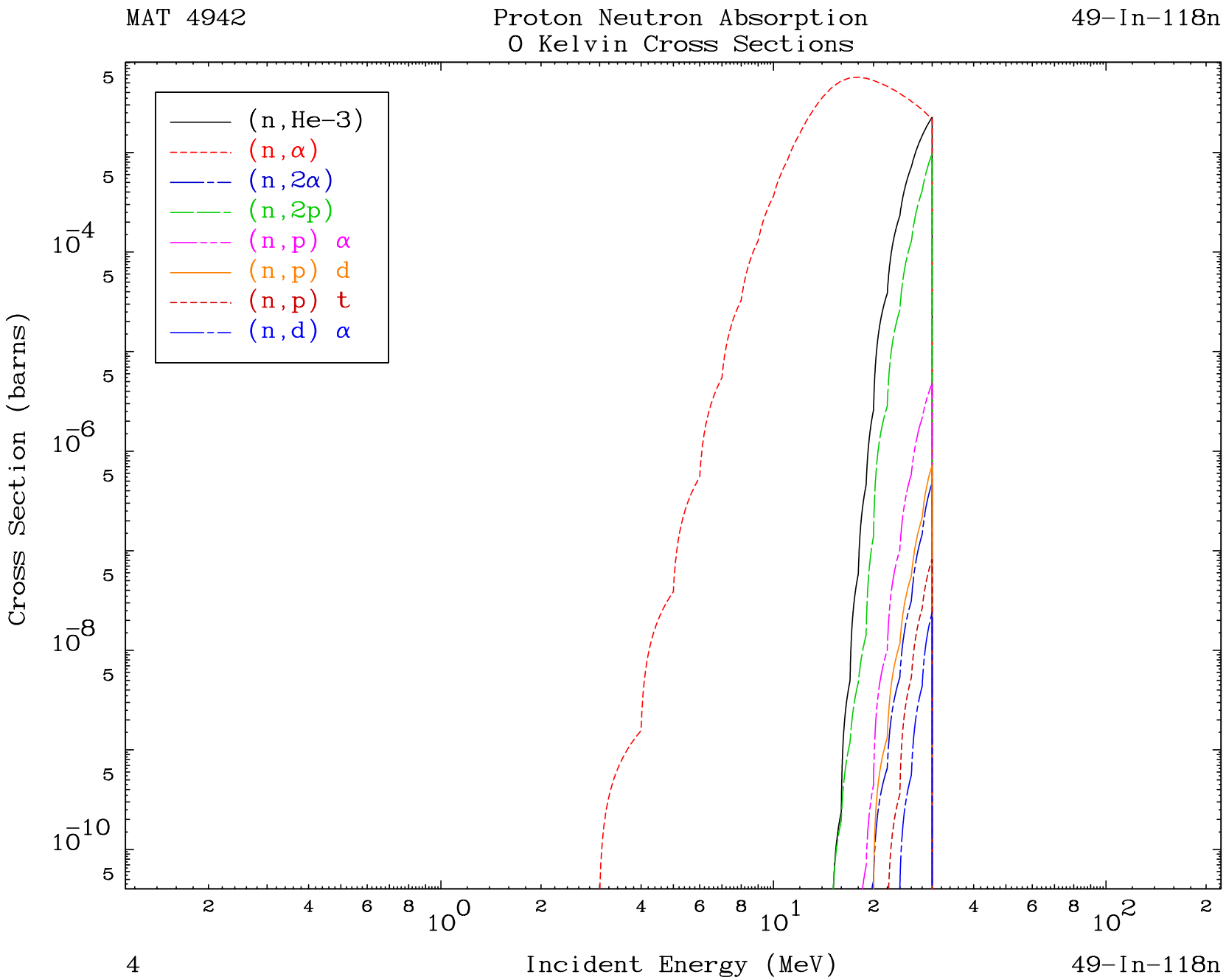
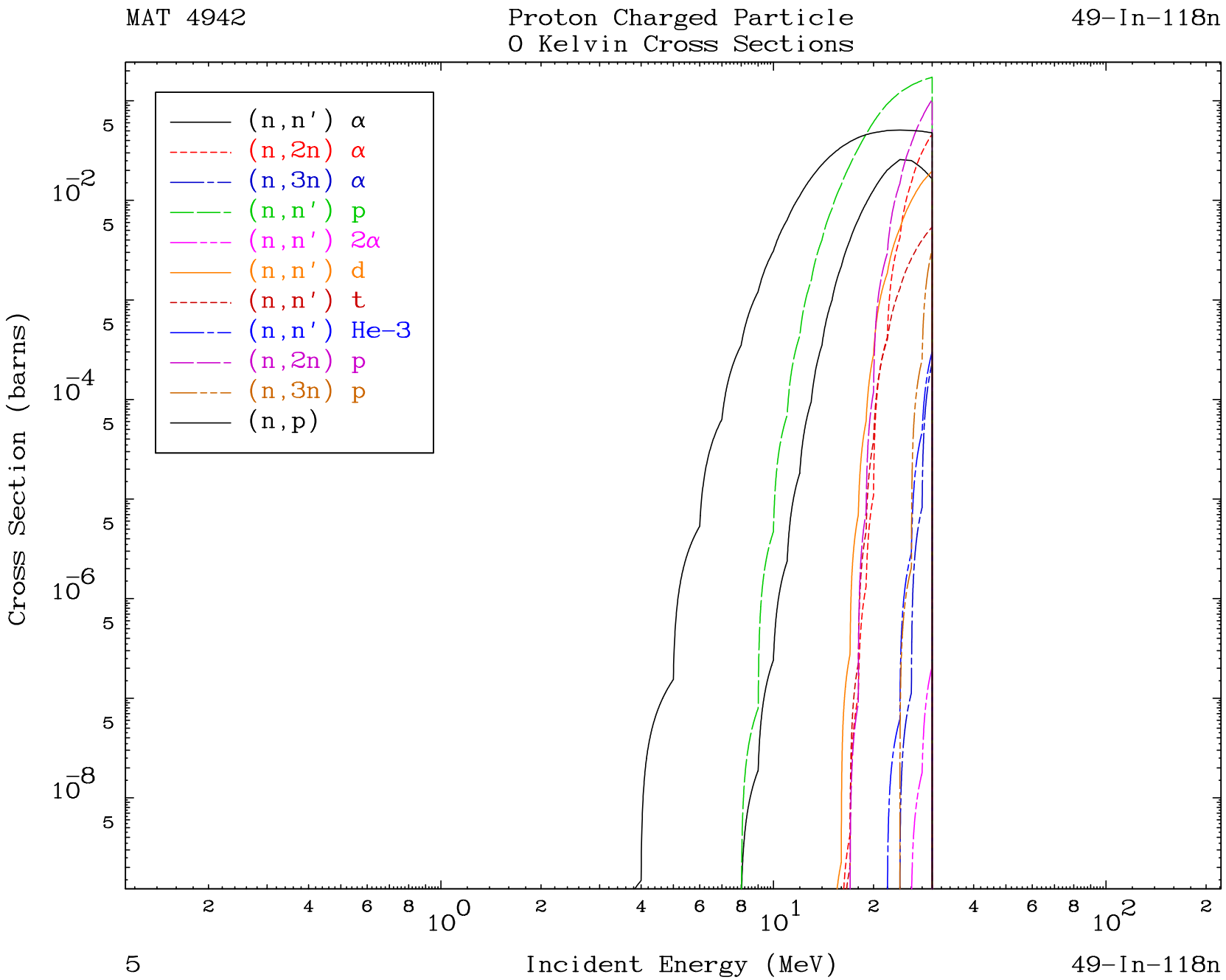
Press Mouse Button to Start

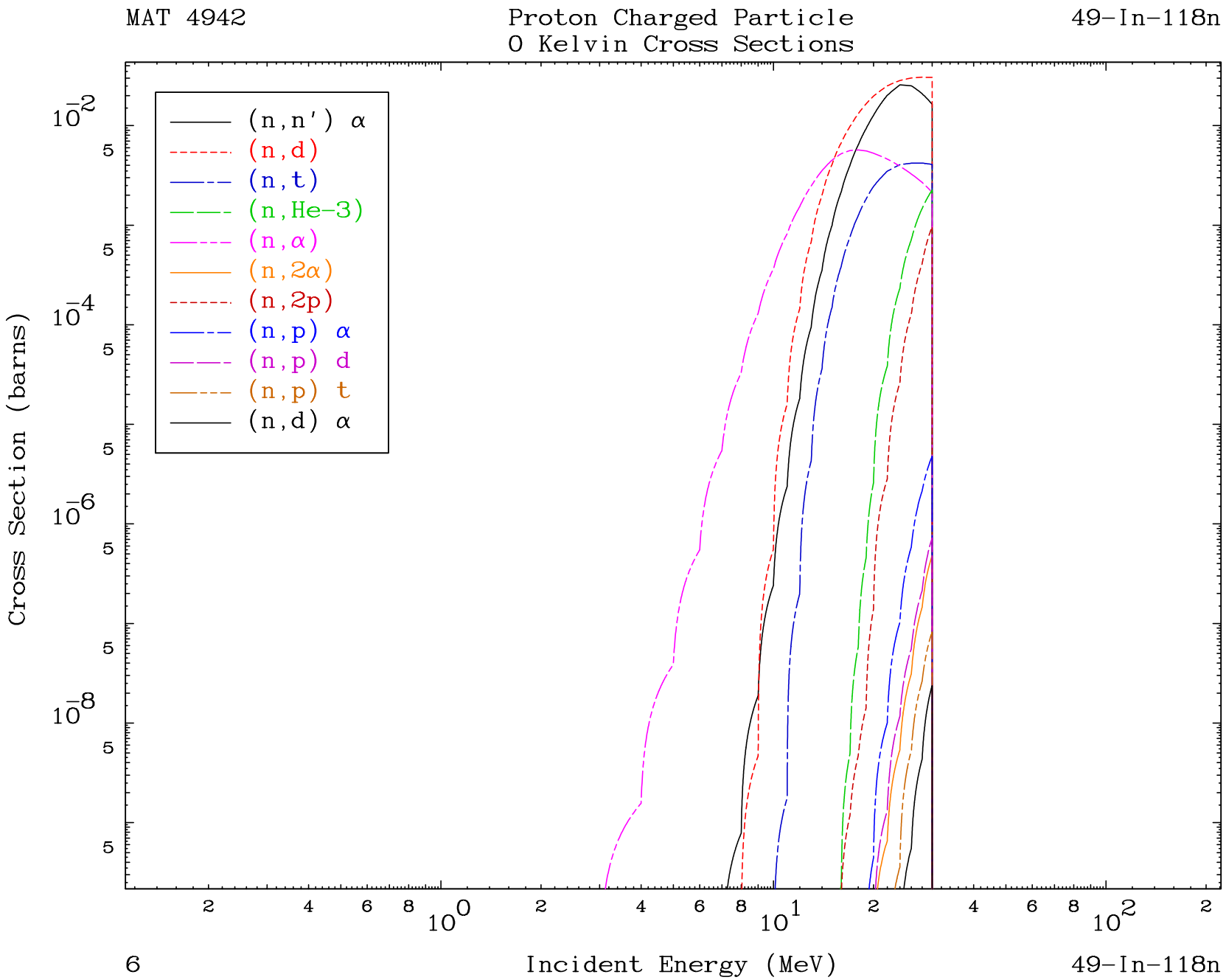

MAT 4942
Proton Major
49-In-118n
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
49-In-118n
1

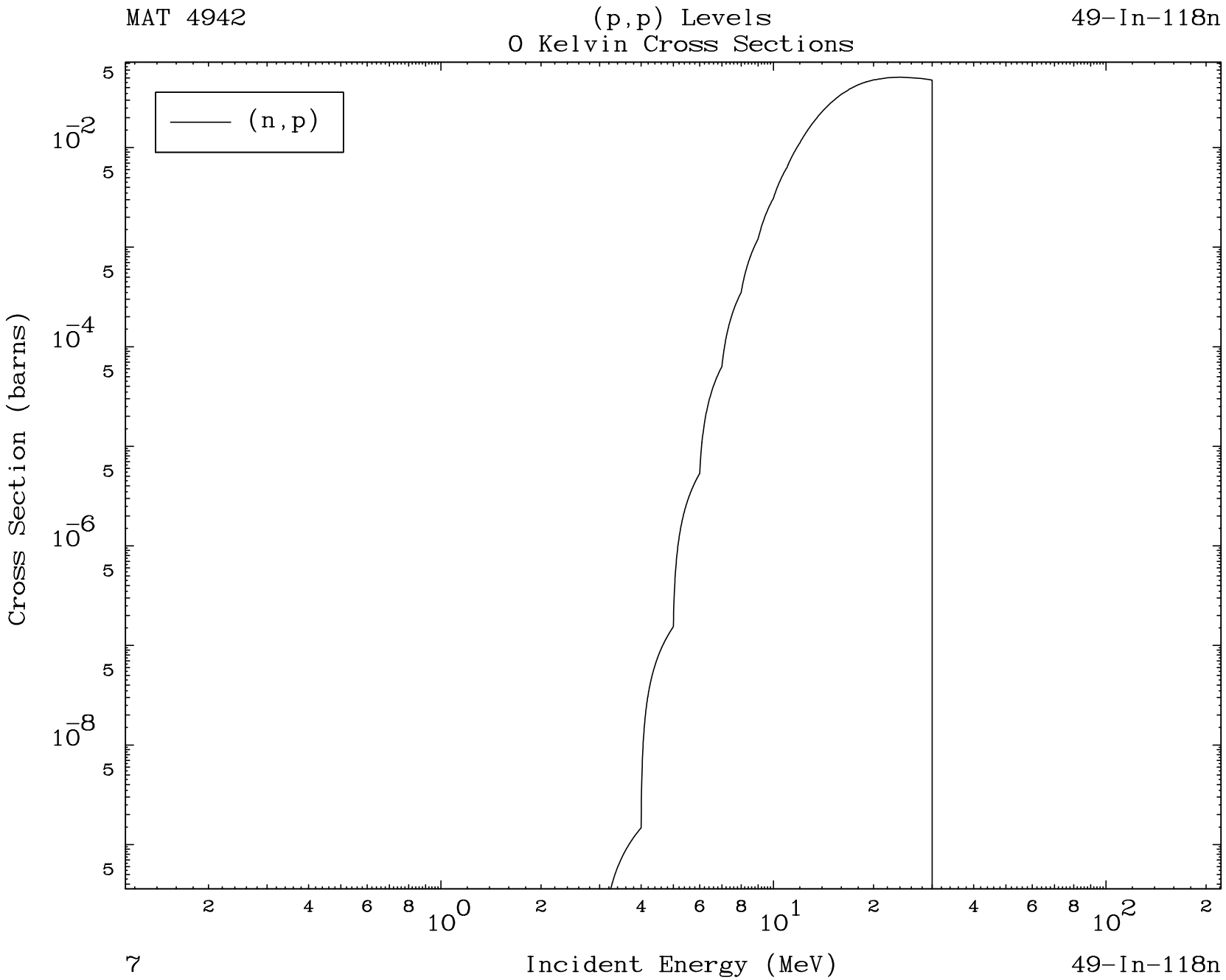

MAT 4942
Proton Neutron Absorption
0 Kelvin Cross Sections
49-In-118n
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
49-In-118n
2

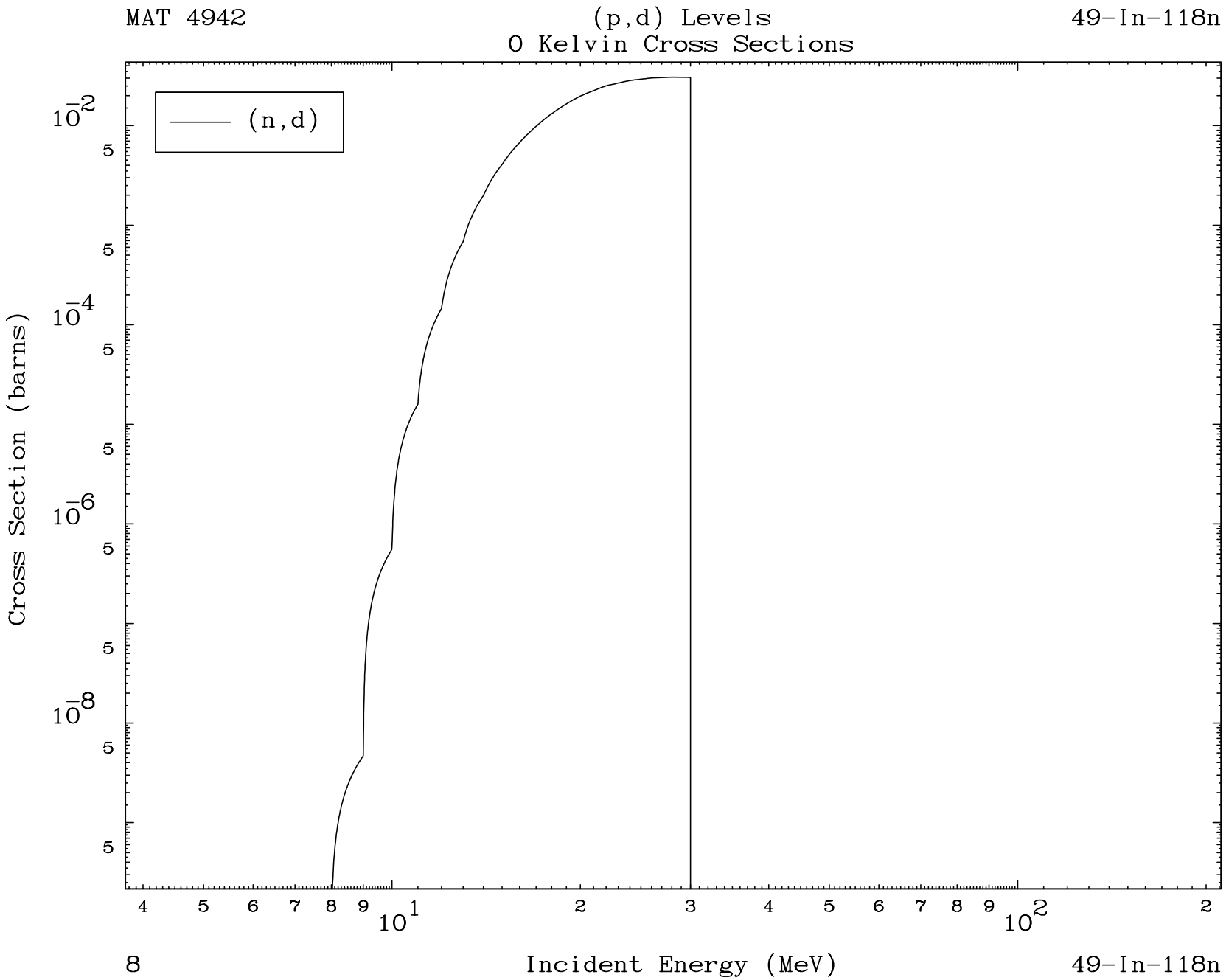

MAT 4942
Proton Neutron Absorption
0 Kelvin Cross Sections
49-In-118n
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
49-In-118n

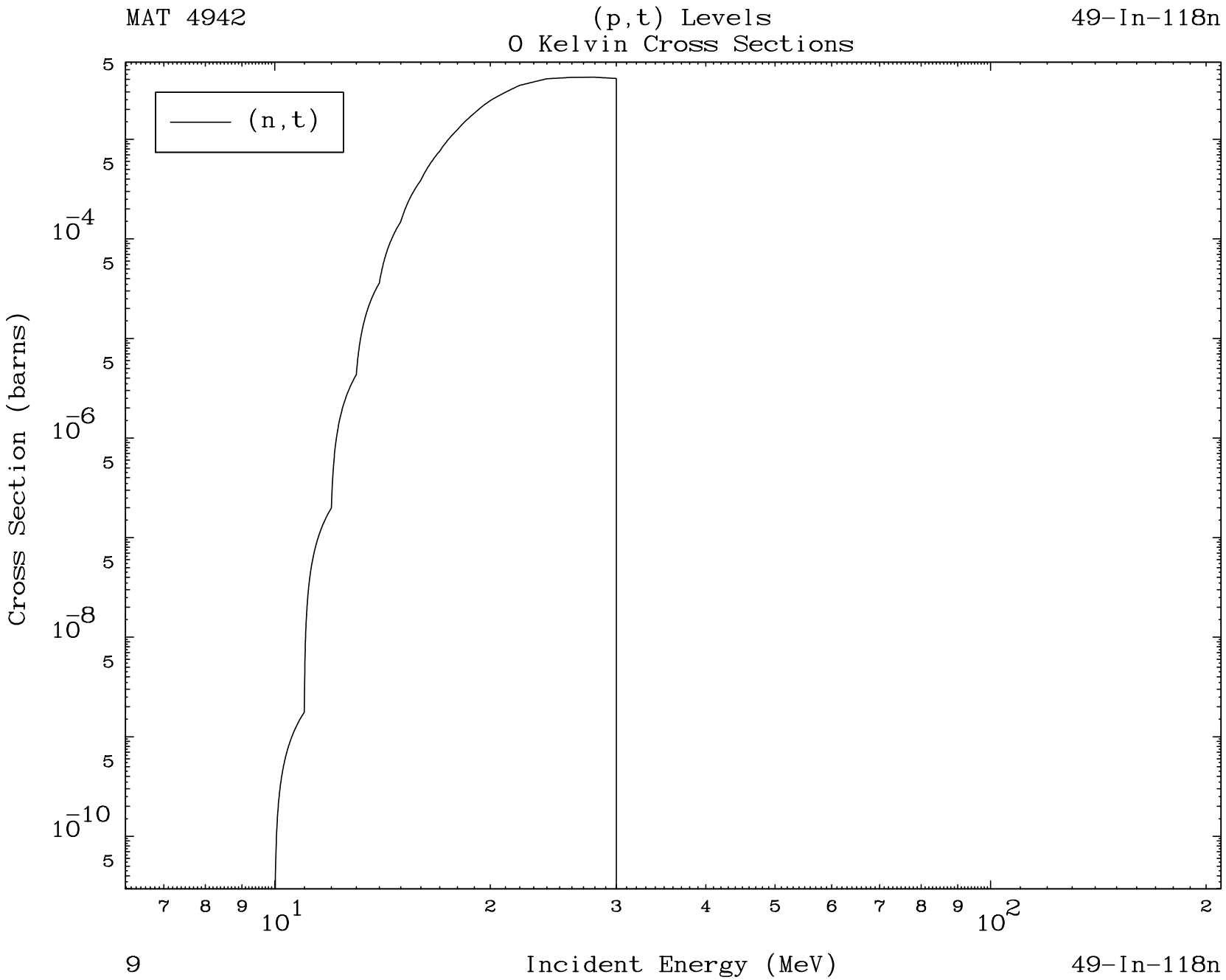

MAT 4942
Proton Neutron Absorption
0 Kelvin Cross Sections
49-In-118n
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
49-In-118n

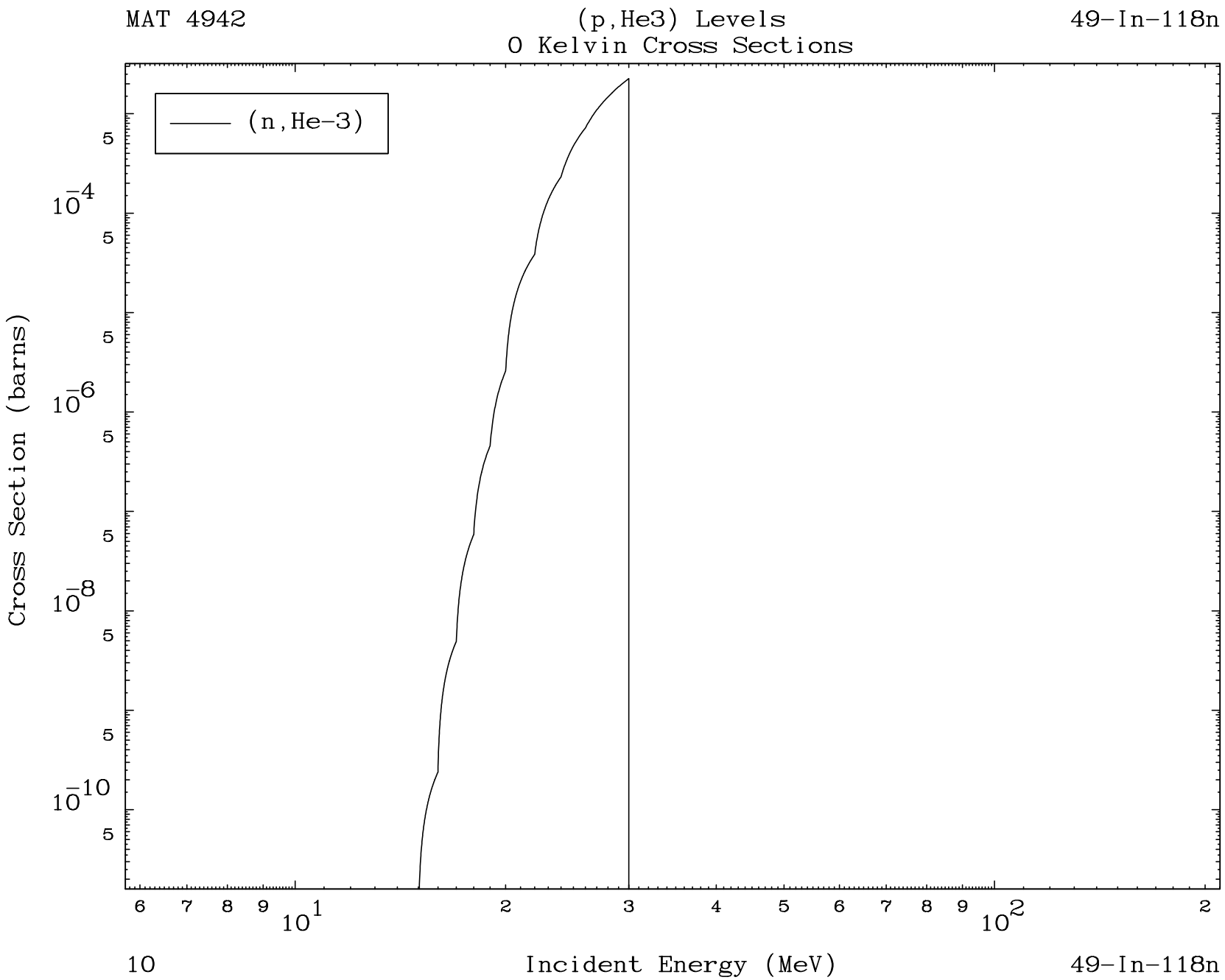

MAT 4942
Proton Charged Particle
0 Kelvin Cross Sections
49-In-118n
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
5
49-In-118n

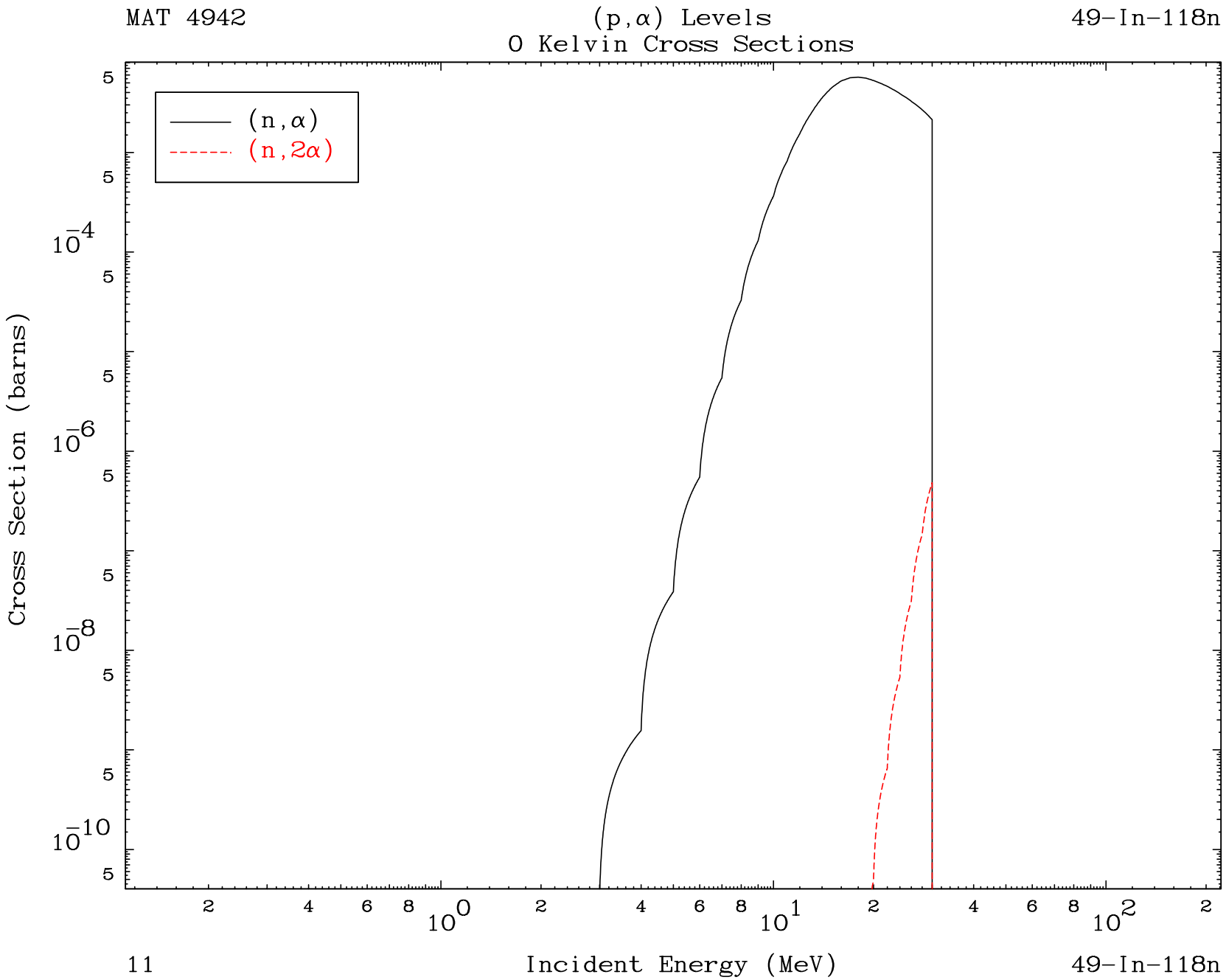

MAT 4942
Proton Charged Particle
0 Kelvin Cross Sections
49-In-118n
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
49-In-118n

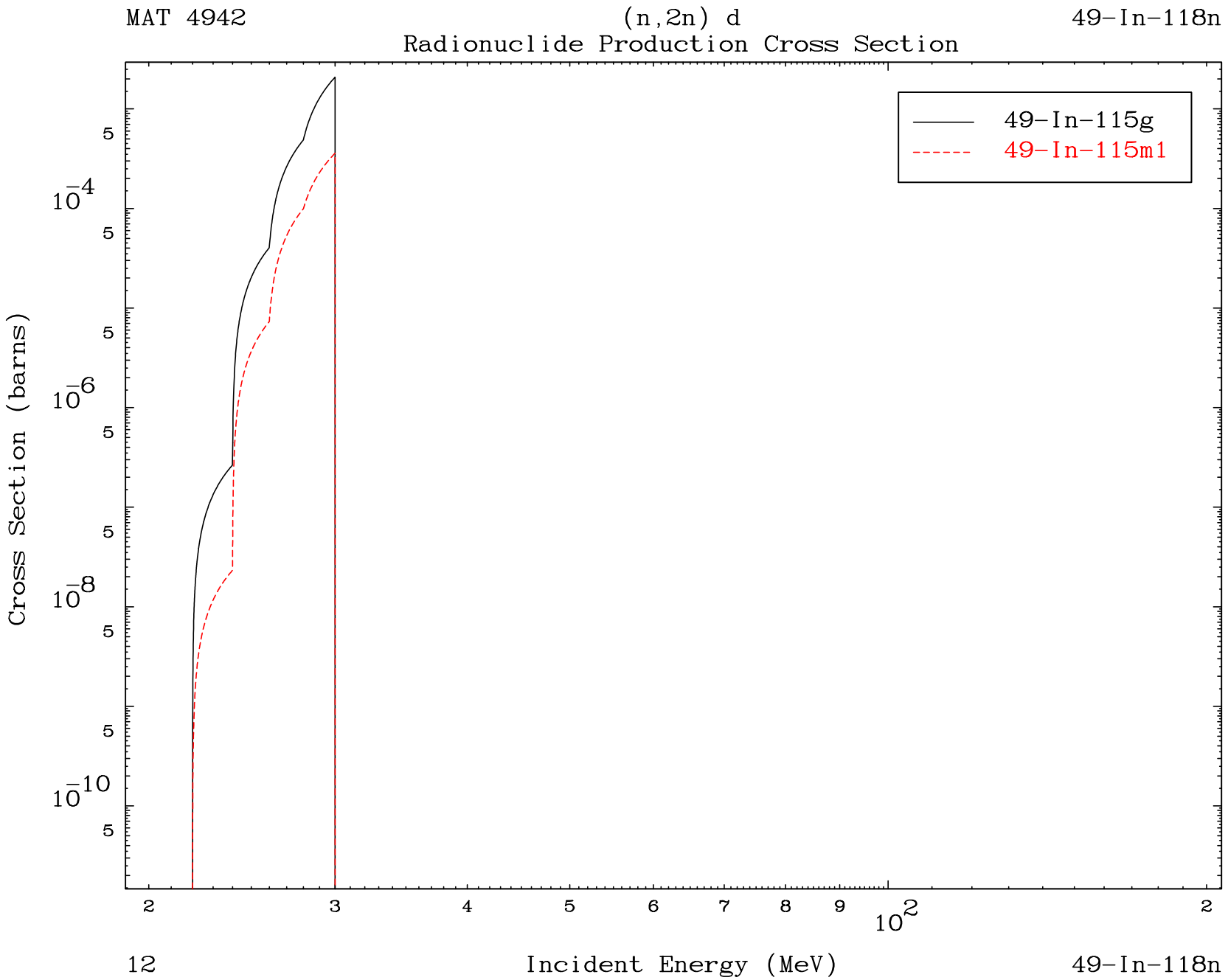

MAT 4942
(p,p) Levels
49-In-118n
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
49-In-118n

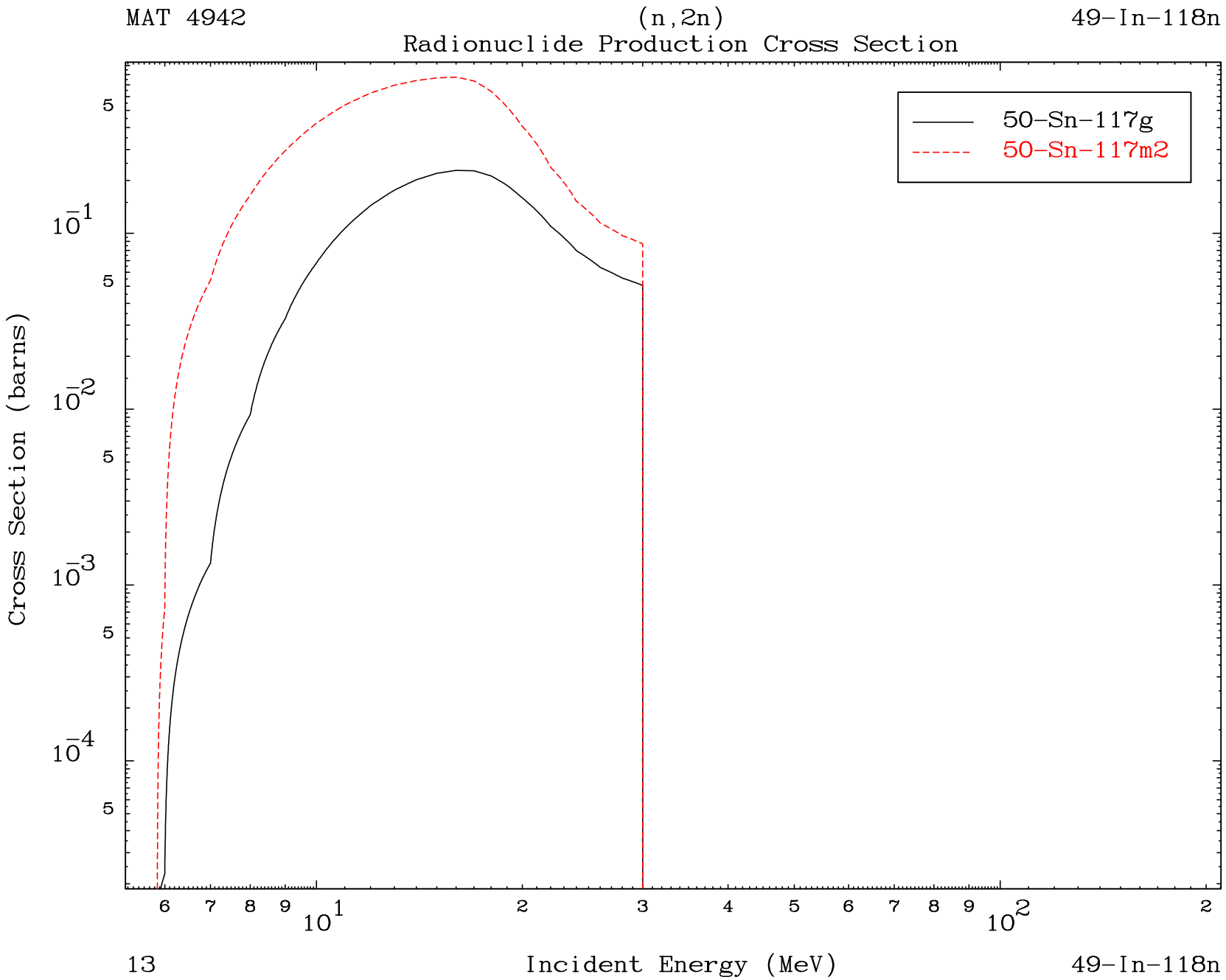

MAT 4942
(p,d) Levels
49-In-118n
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
101
102
8
49-In-118n

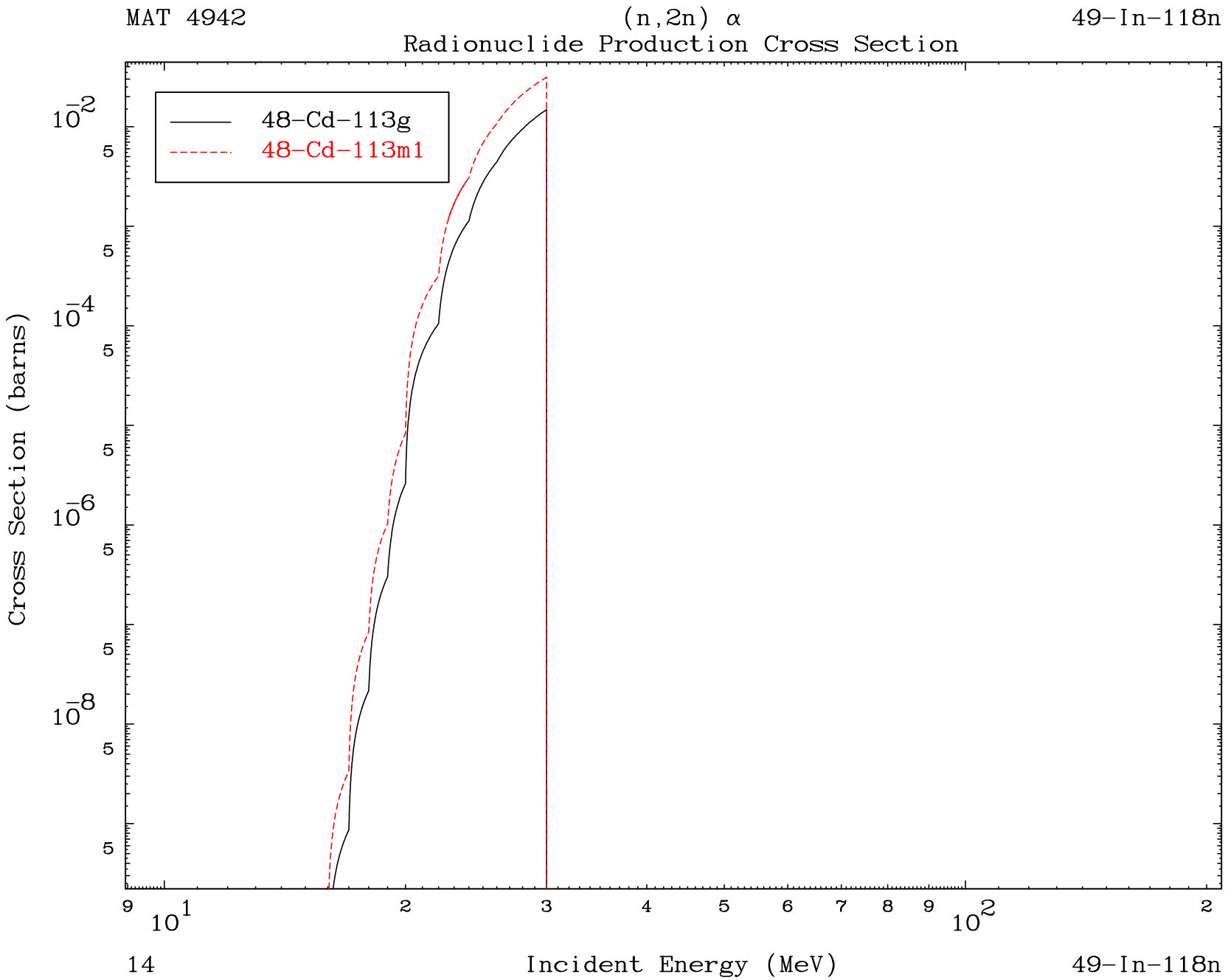

MAT 4942
(p,t) Levels
49-In-118n
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
49-In-118n
9

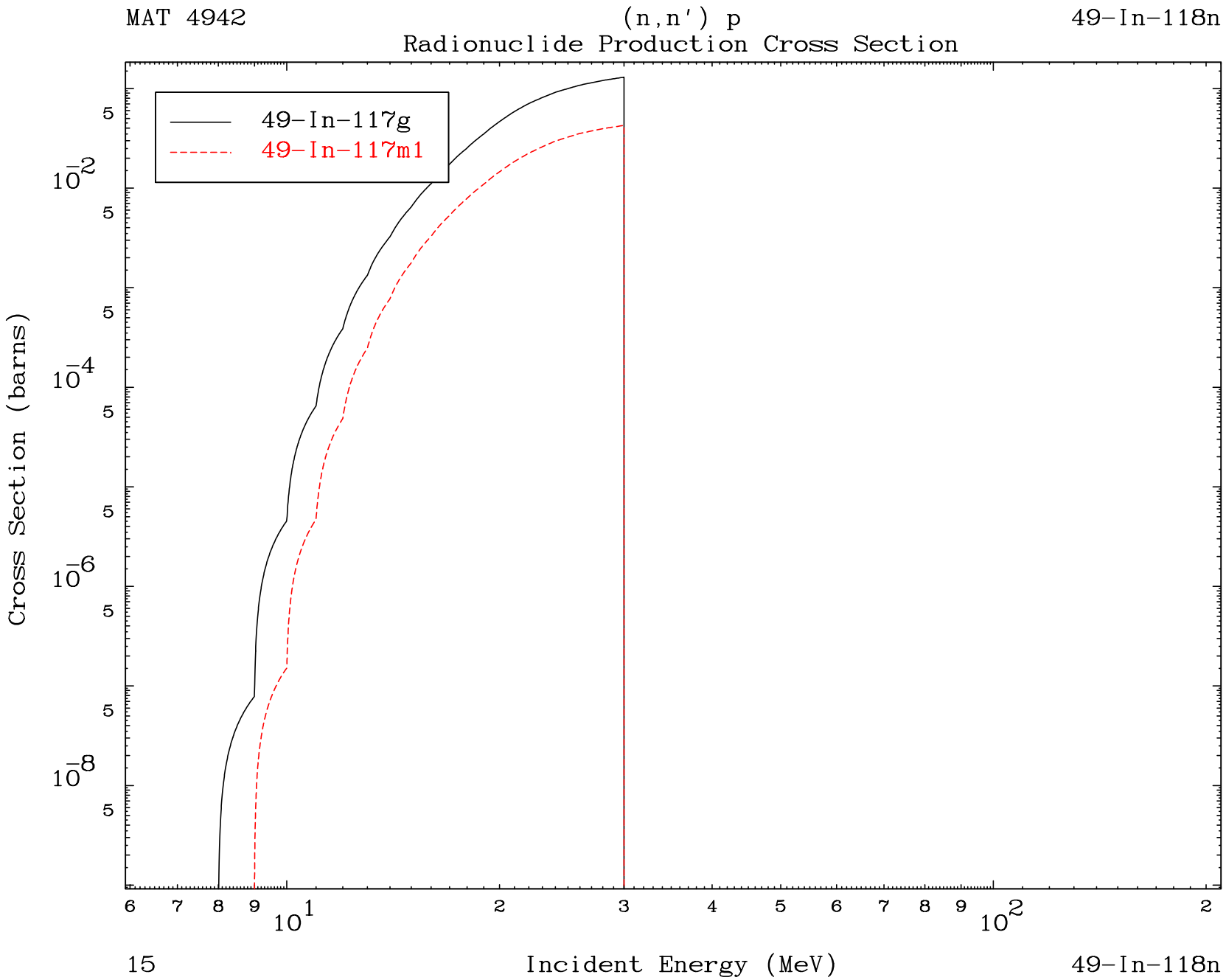

MAT 4942
(p,He3) Levels
49-In-118n
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^1
10^2
49-In-118n

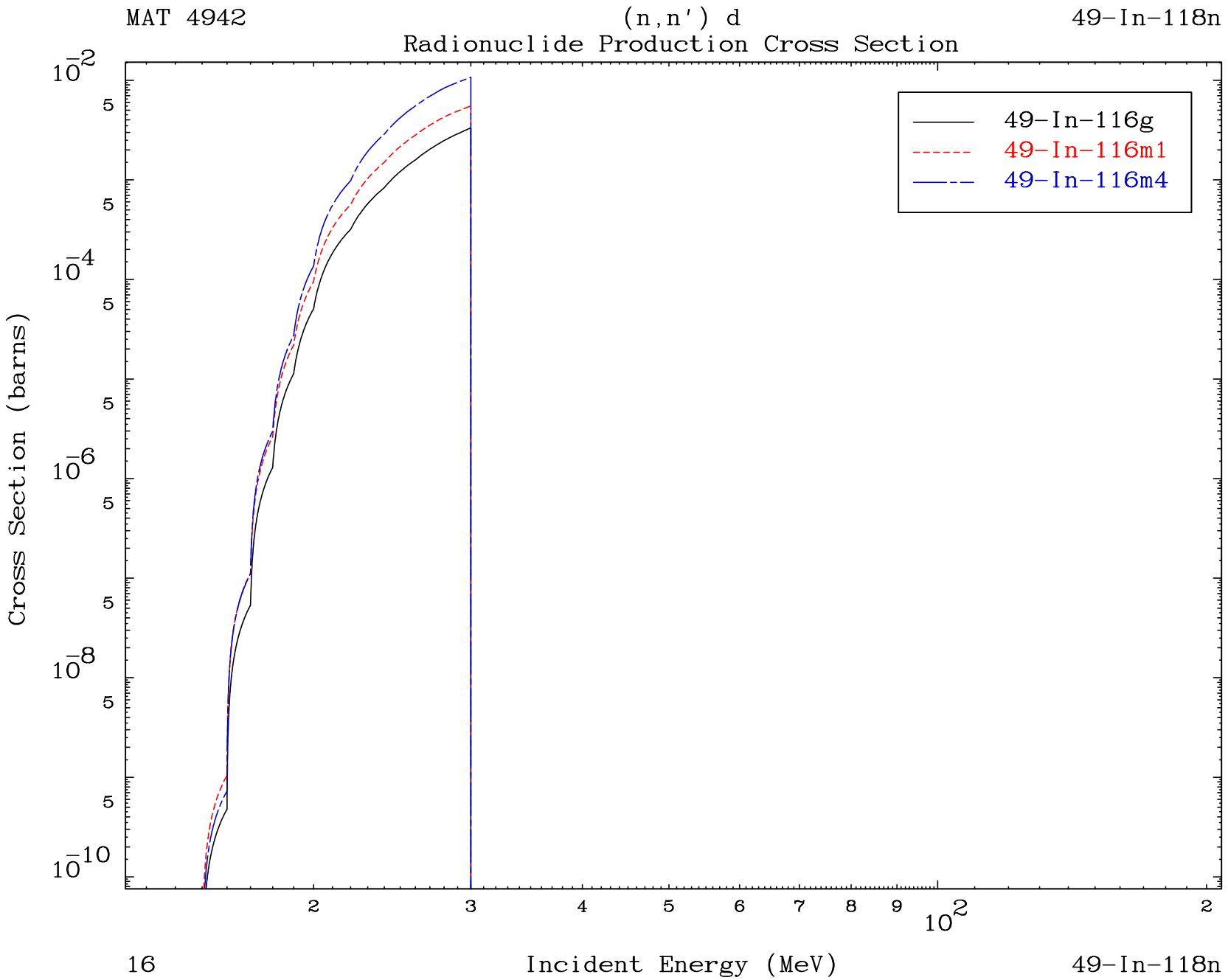

MAT 4942
(p,α) Levels
49-In-118n
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
49-In-118n

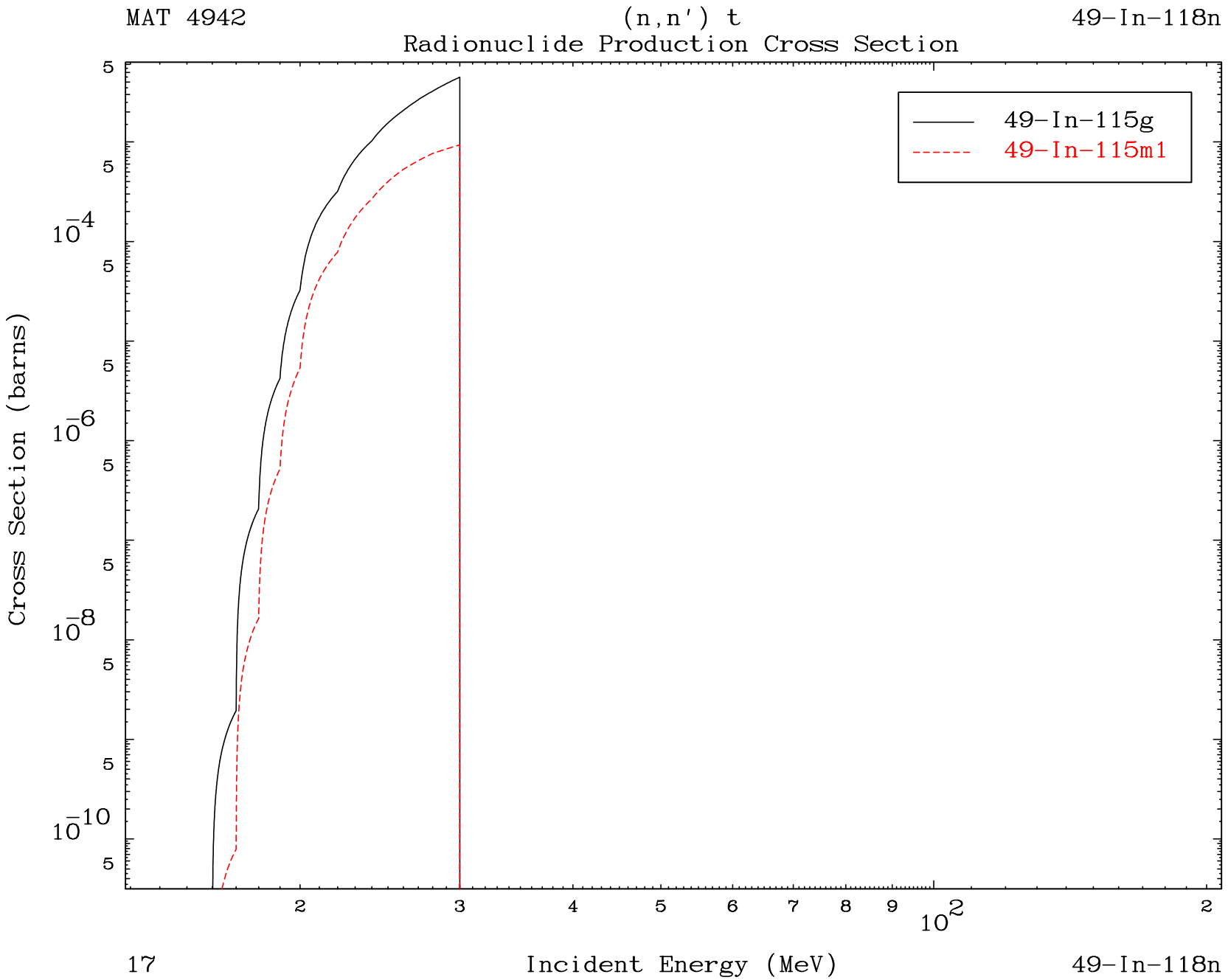

MAT 4942
(n,2n) d
49-In-118n
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
49-In-118n

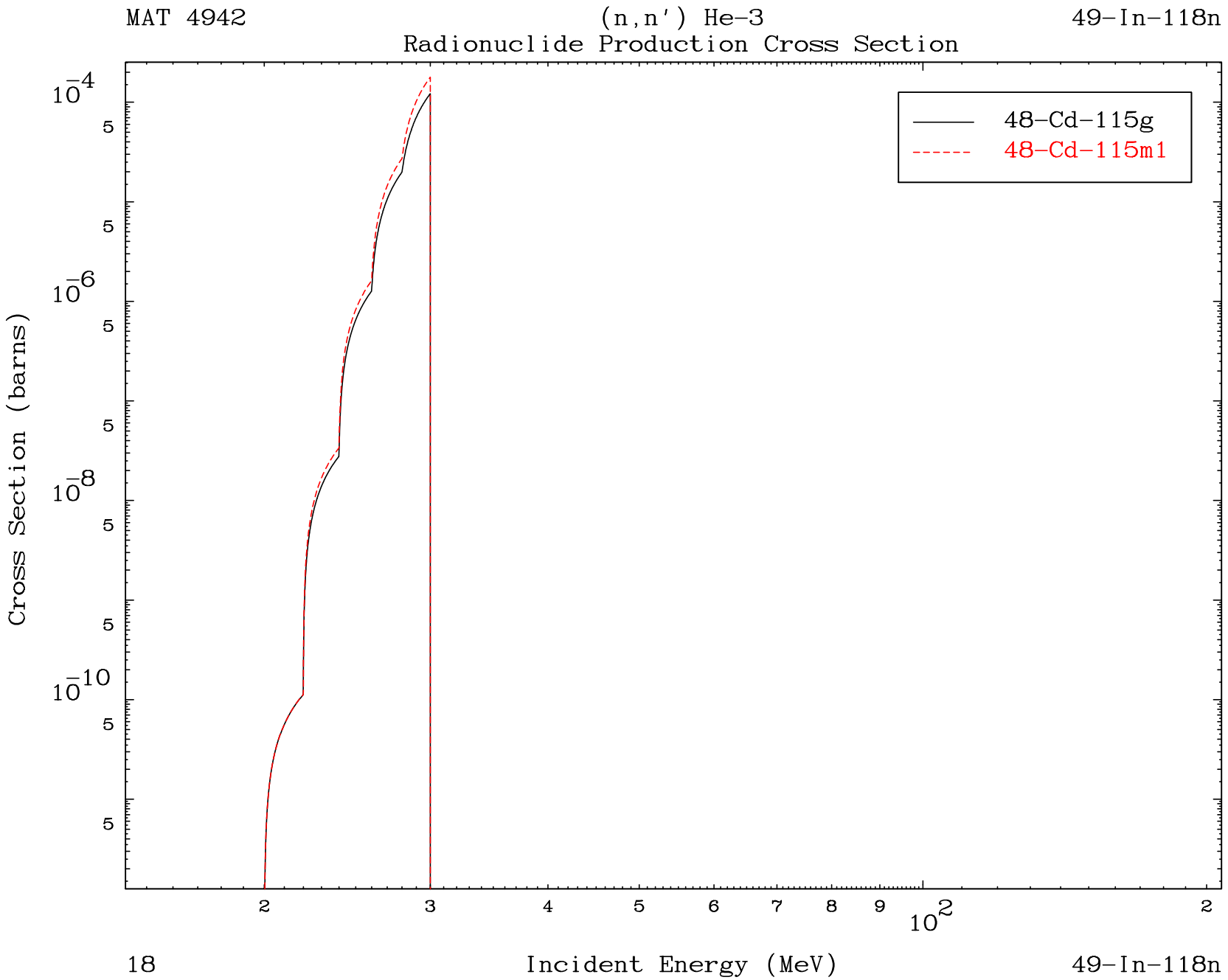

MAT 4942
(n,2n)
49-In-118n
Radionuclide Production Cross Section
50-Sn-117g
50-Sn-117m2
Cross Section (barns)
Incident Energy (MeV)
13
49-In-118n

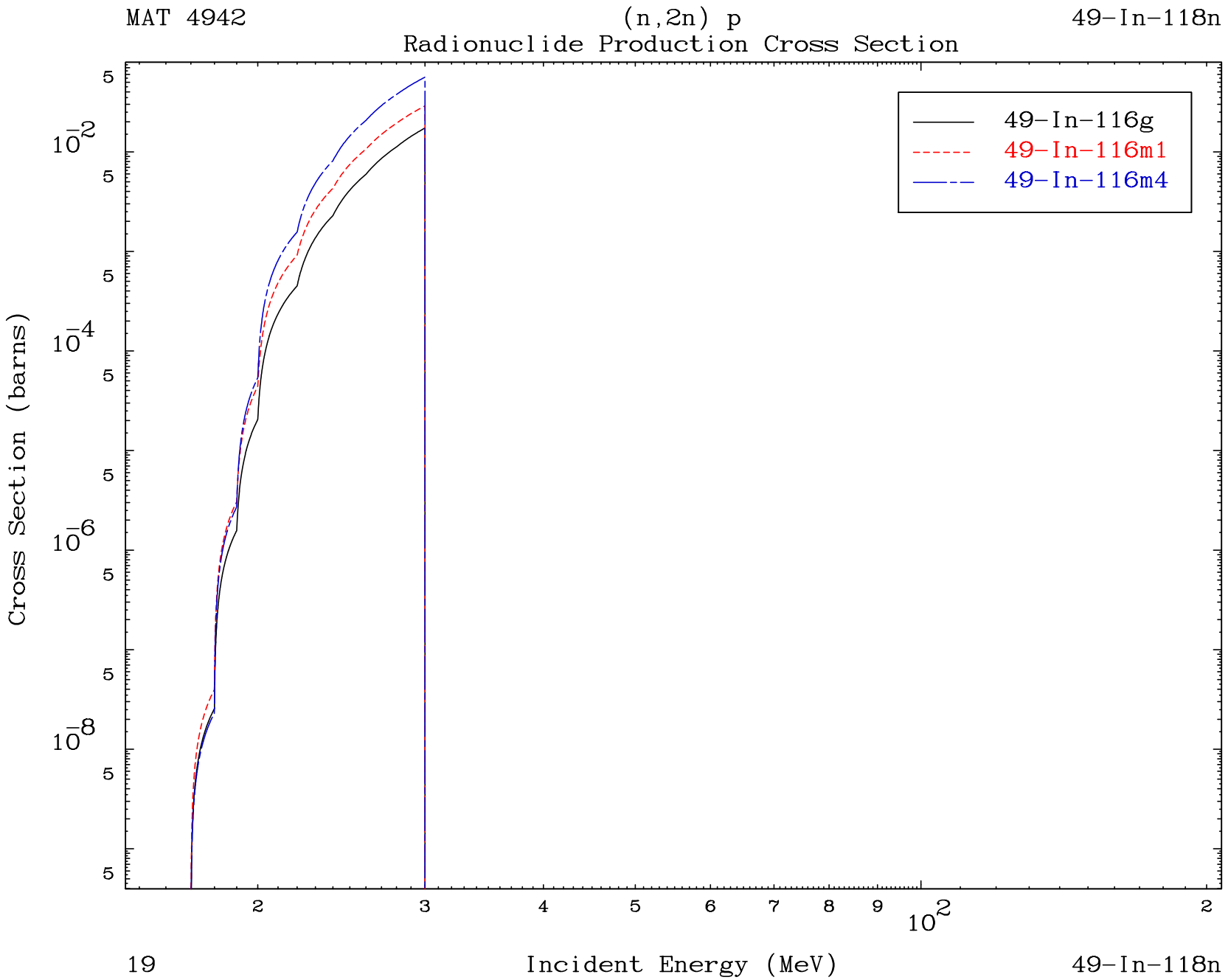

MAT 4942
(n,2n) α
49-In-118n
Radionuclide Production Cross Section
48-Cd-113g
48-Cd-113m1
Cross Section (barns)
Incident Energy (MeV)
14
49-In-118n

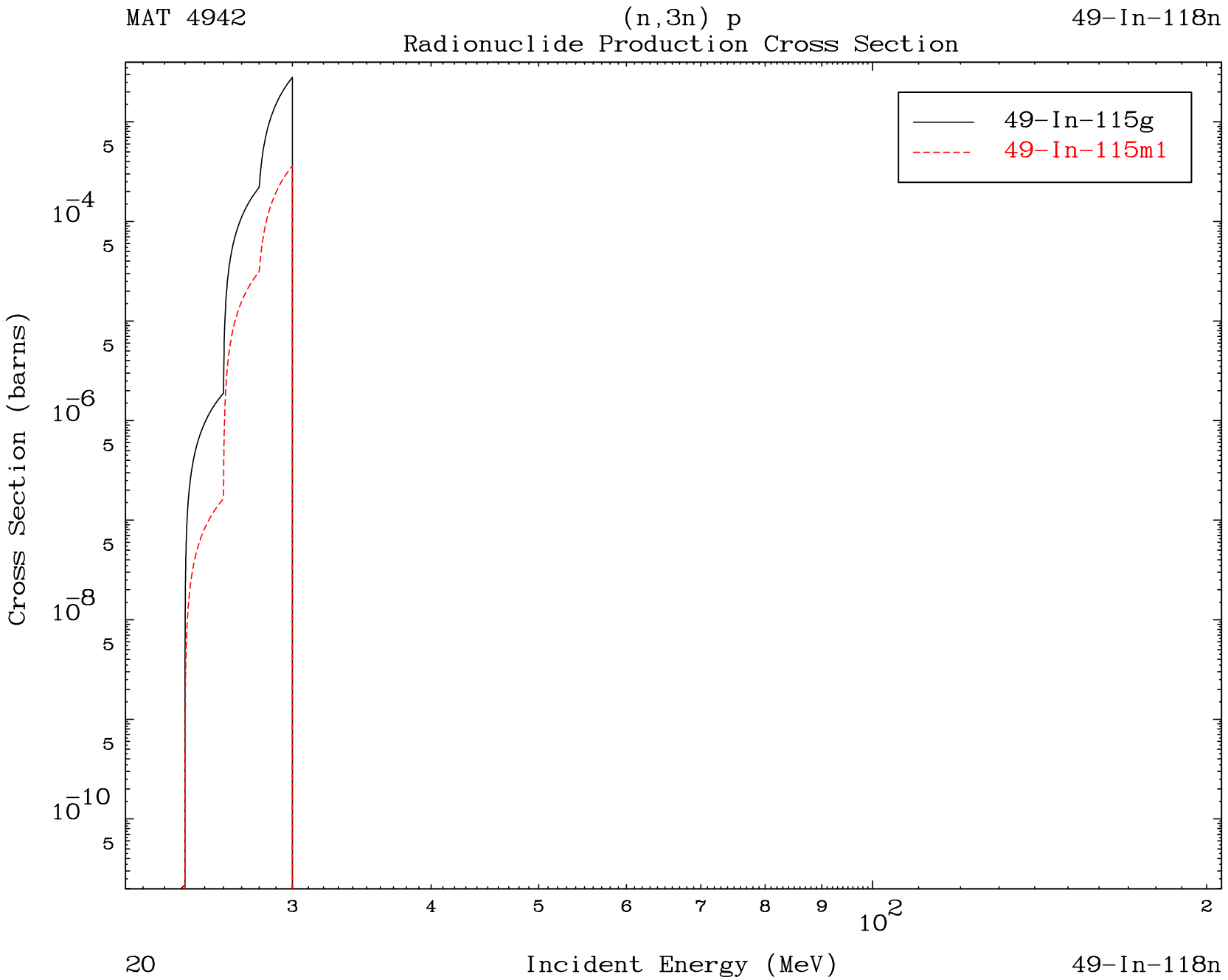

MAT 4942
(n,n') p
49-In-118n
Radionuclide Production Cross Section
49-In-117g
49-In-117m1
Cross Section (barns)
10-2
10-4
10-6
10-8
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
15
49-In-118n

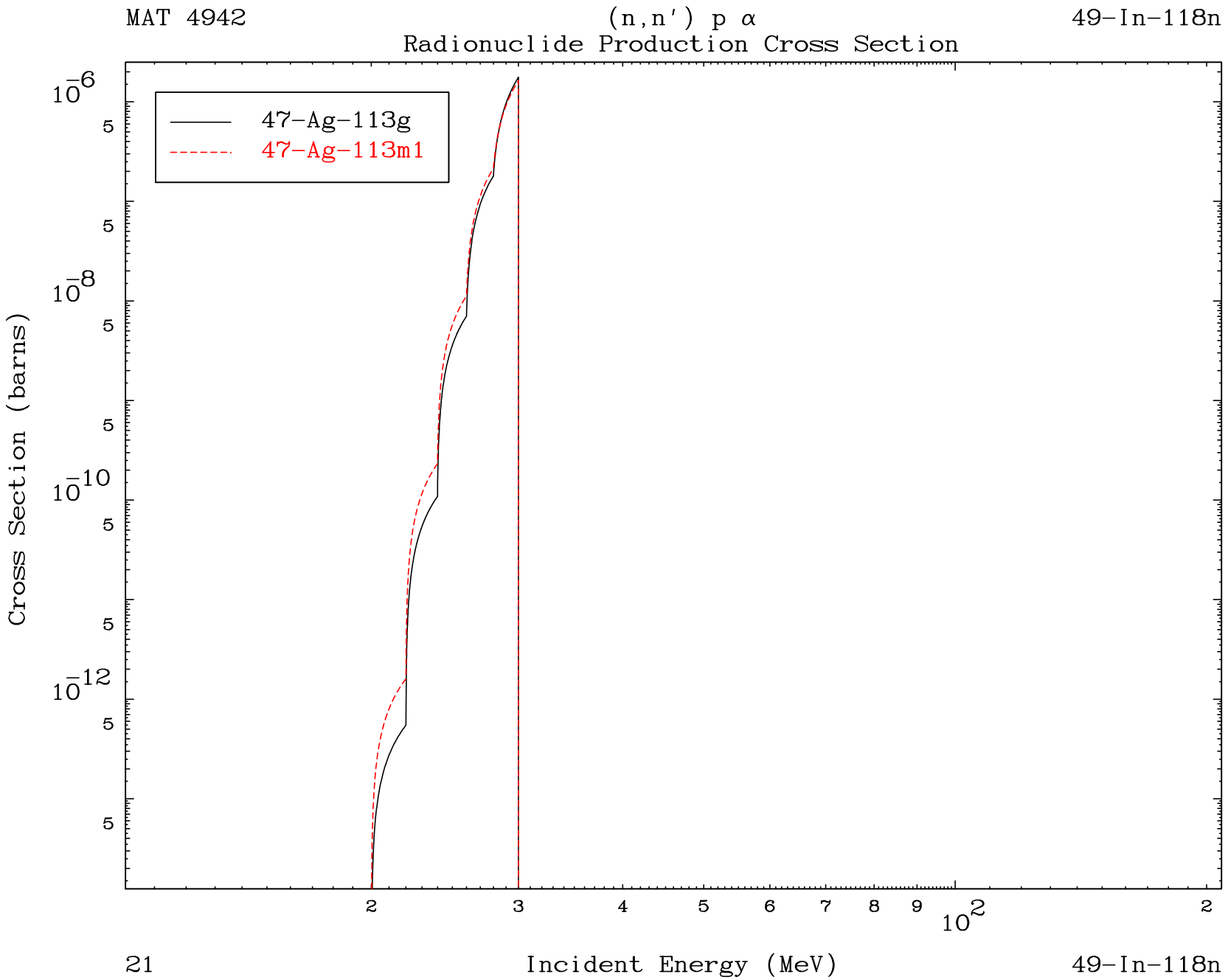

MAT 4942
(n,n') d
49-In-118n
Radionuclide Production Cross Section
49-In-116g
49-In-116m1
49-In-116m4
Cross Section (barns)
Incident Energy (MeV)
16
49-In-118n

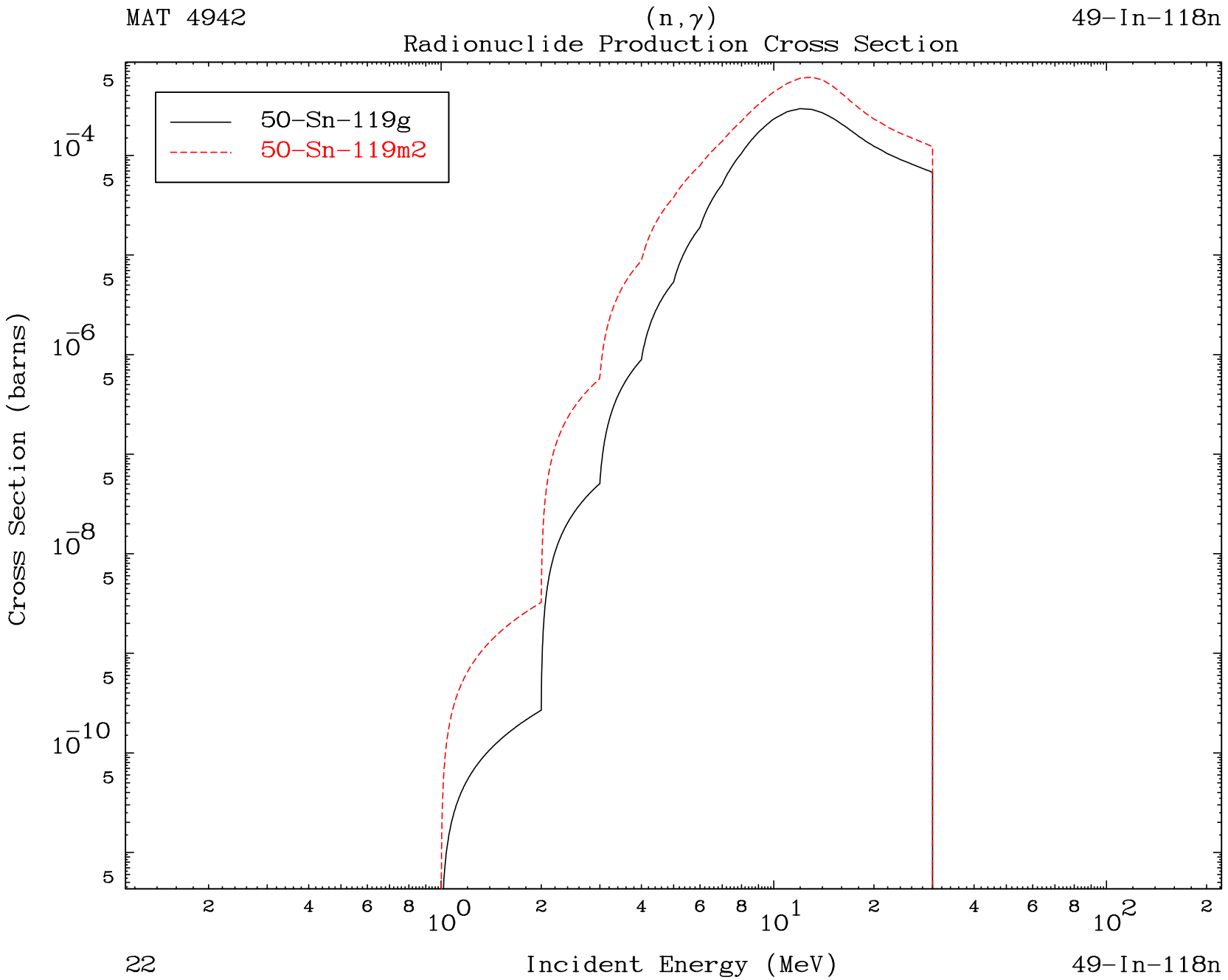

MAT 4942
(n,n') t
49-In-118n
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
49-In-118n

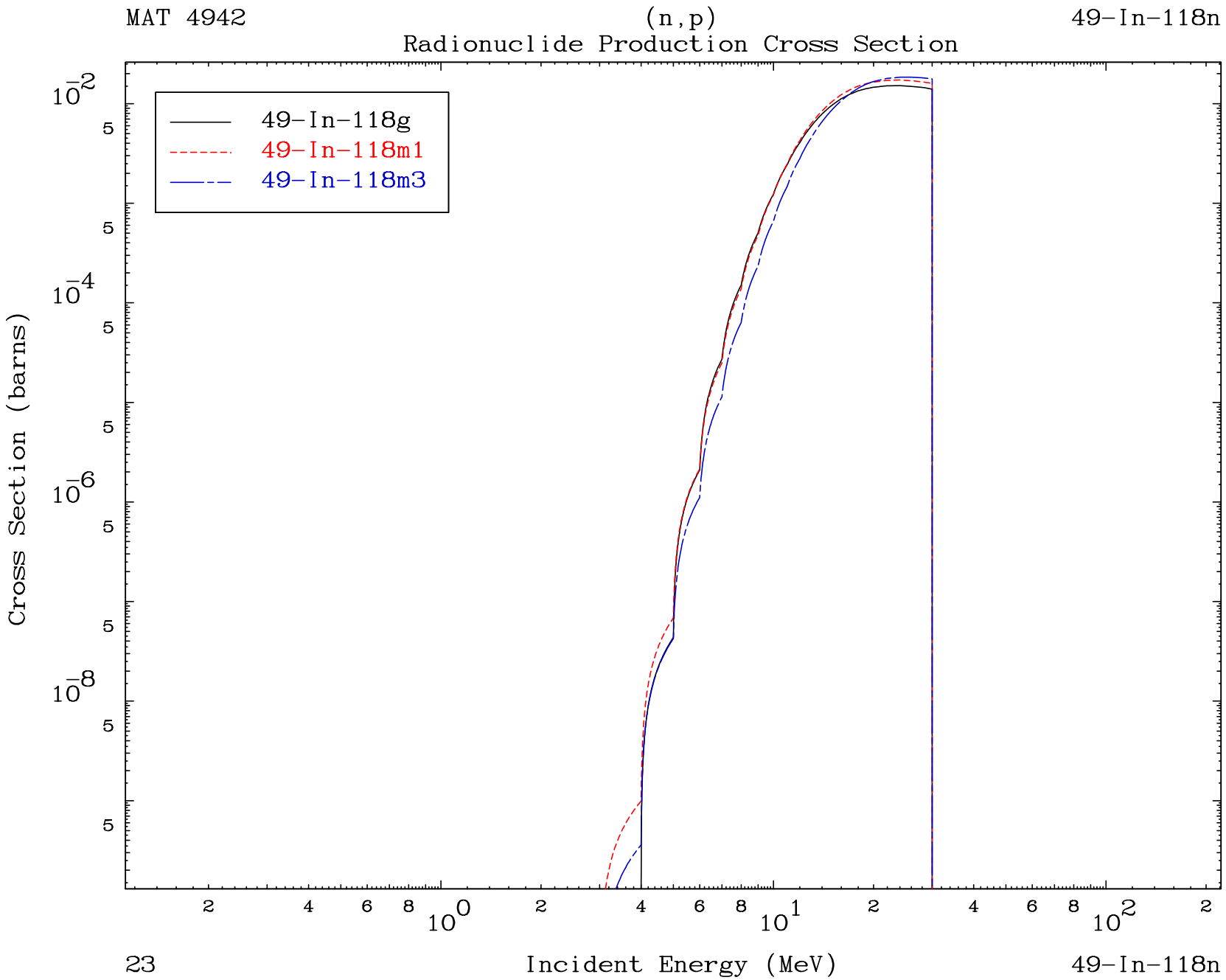

MAT 4942
(n,n') He-3
49-In-118n
Radionuclide Production Cross Section
48-Cd-115g
48-Cd-115m1
Cross Section (barns)
Incident Energy (MeV)
18
49-In-118n

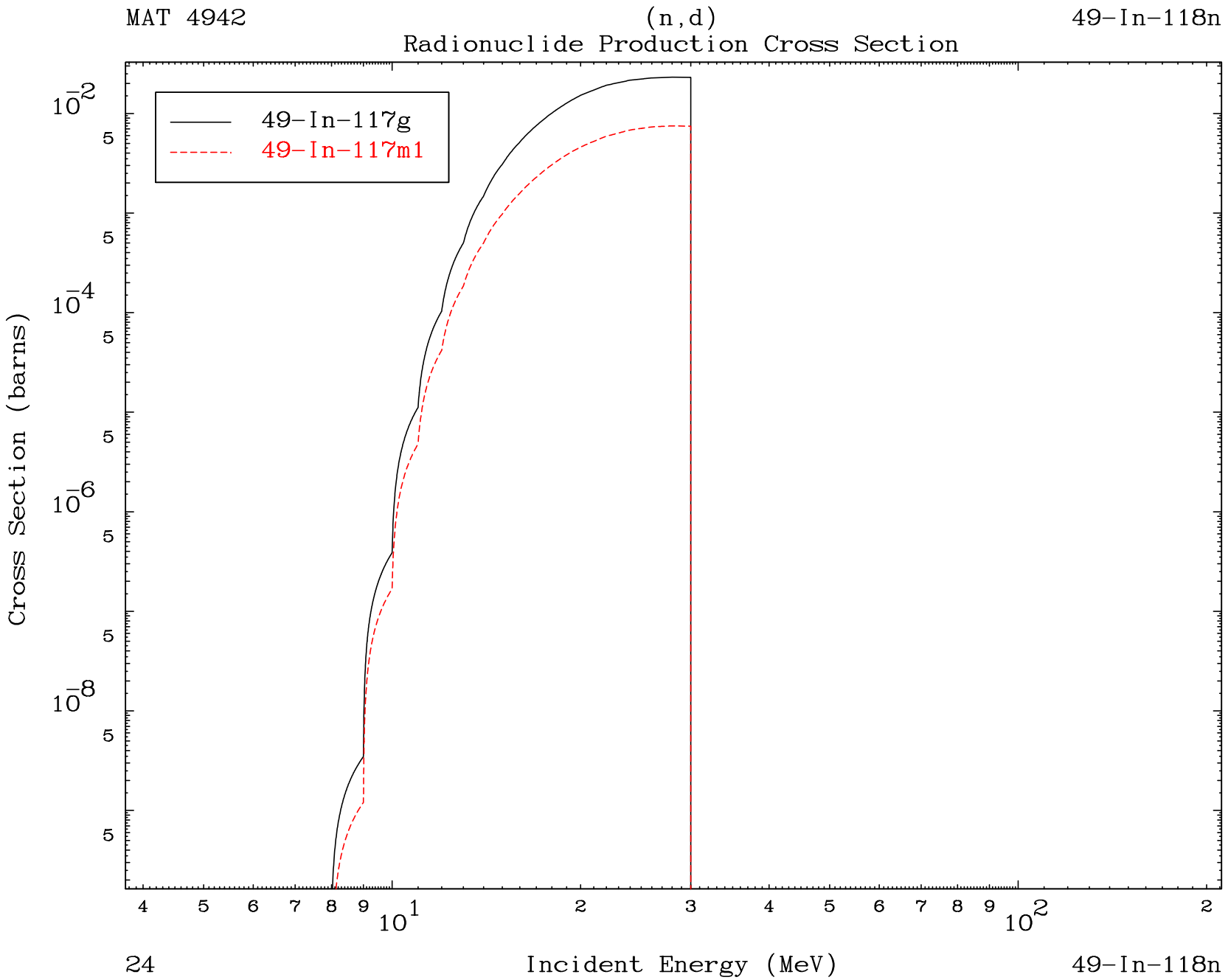

MAT 4942
(n,2n) p
49-In-118n
Radionuclide Production Cross Section
49-In-116g
49-In-116m1
49-In-116m4
Cross Section (barns)
Incident Energy (MeV)
19
49-In-118n

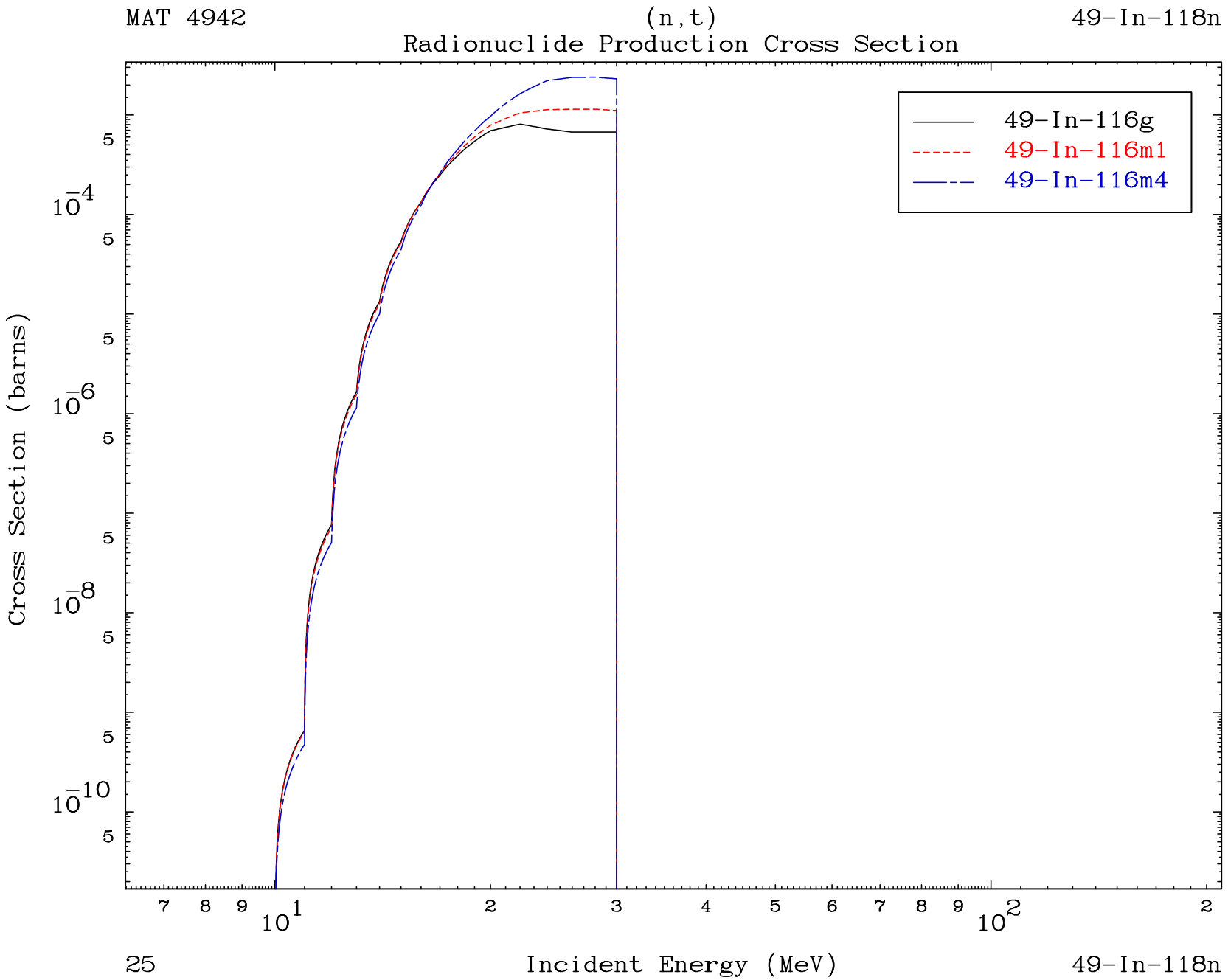

MAT 4942
(n,3n) p
49-In-118n
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
49-In-118n

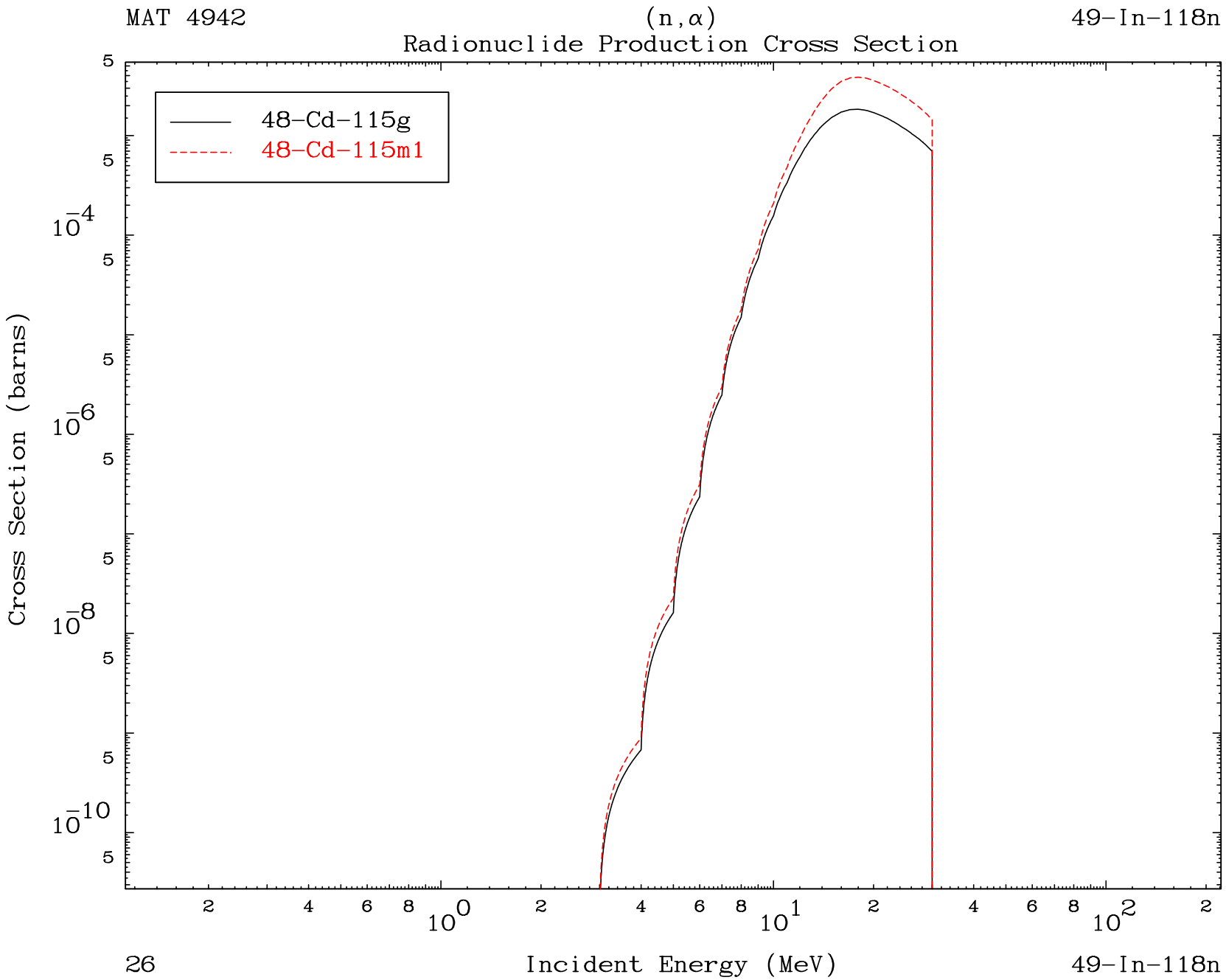

MAT 4942
(n,n') p α
49-In-118n
Radionuclide Production Cross Section
47-Ag-113g
47-Ag-113m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
21
Incident Energy (MeV)
49-In-118n

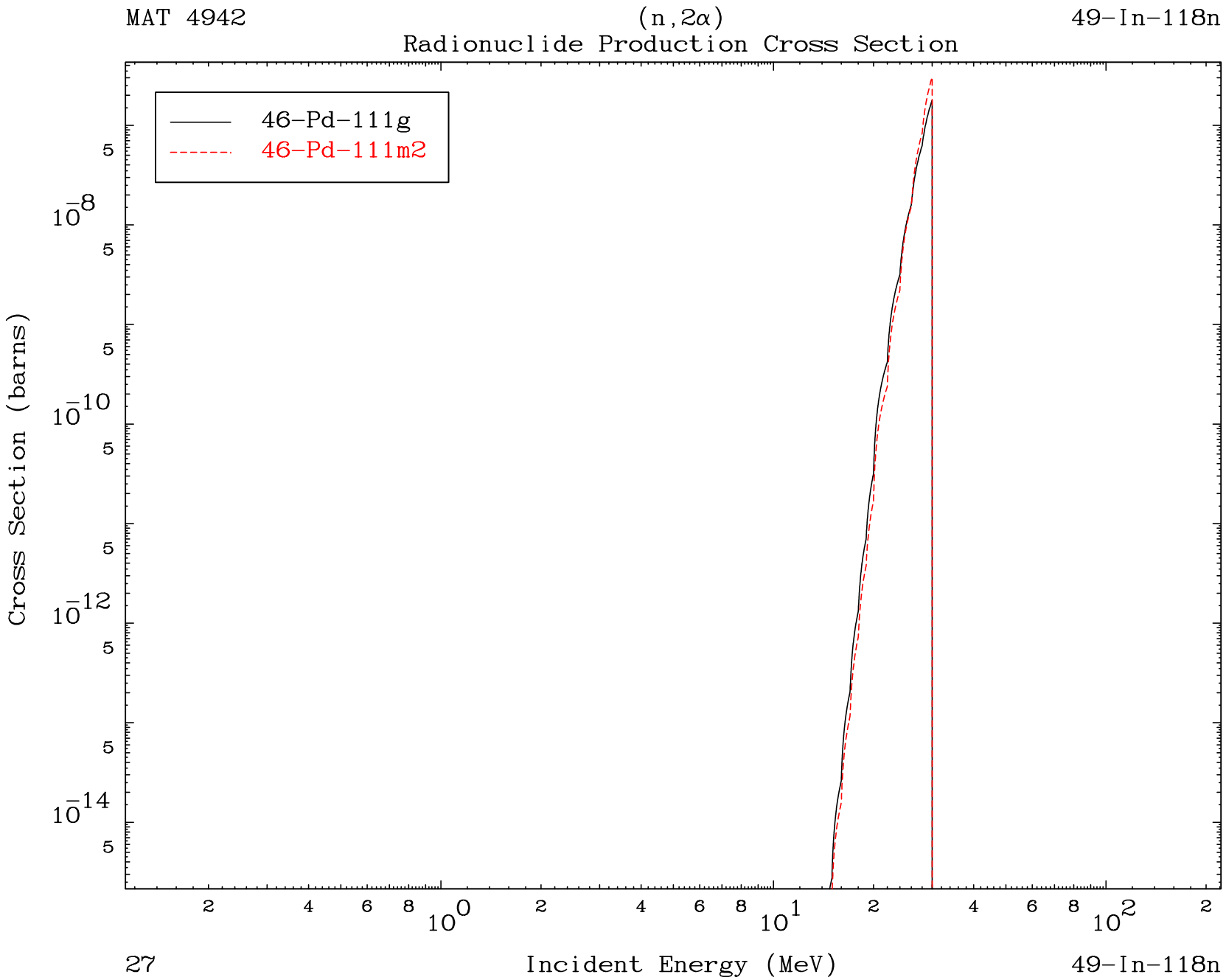

MAT 4942
(n,γ)
49-In-118n
Radionuclide Production Cross Section
50-Sn-119g
50-Sn-119m2
Cross Section (barns)
Incident Energy (MeV)
22
49-In-118n

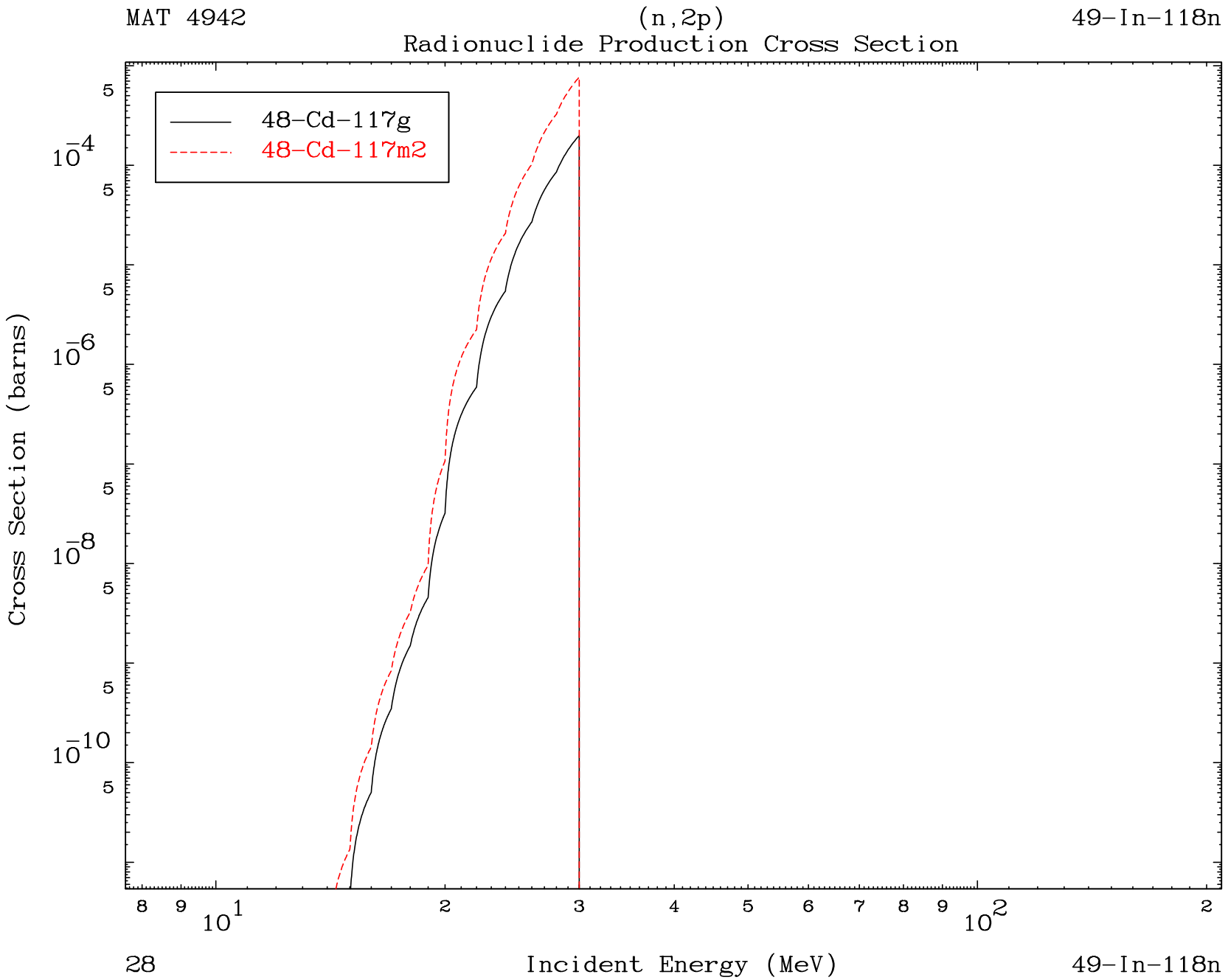

MAT 4942
(n,p)
49-In-118n
Radionuclide Production Cross Section
49-In-118g
49-In-118m1
49-In-118m3
Cross Section (barns)
Incident Energy (MeV)
23
49-In-118n

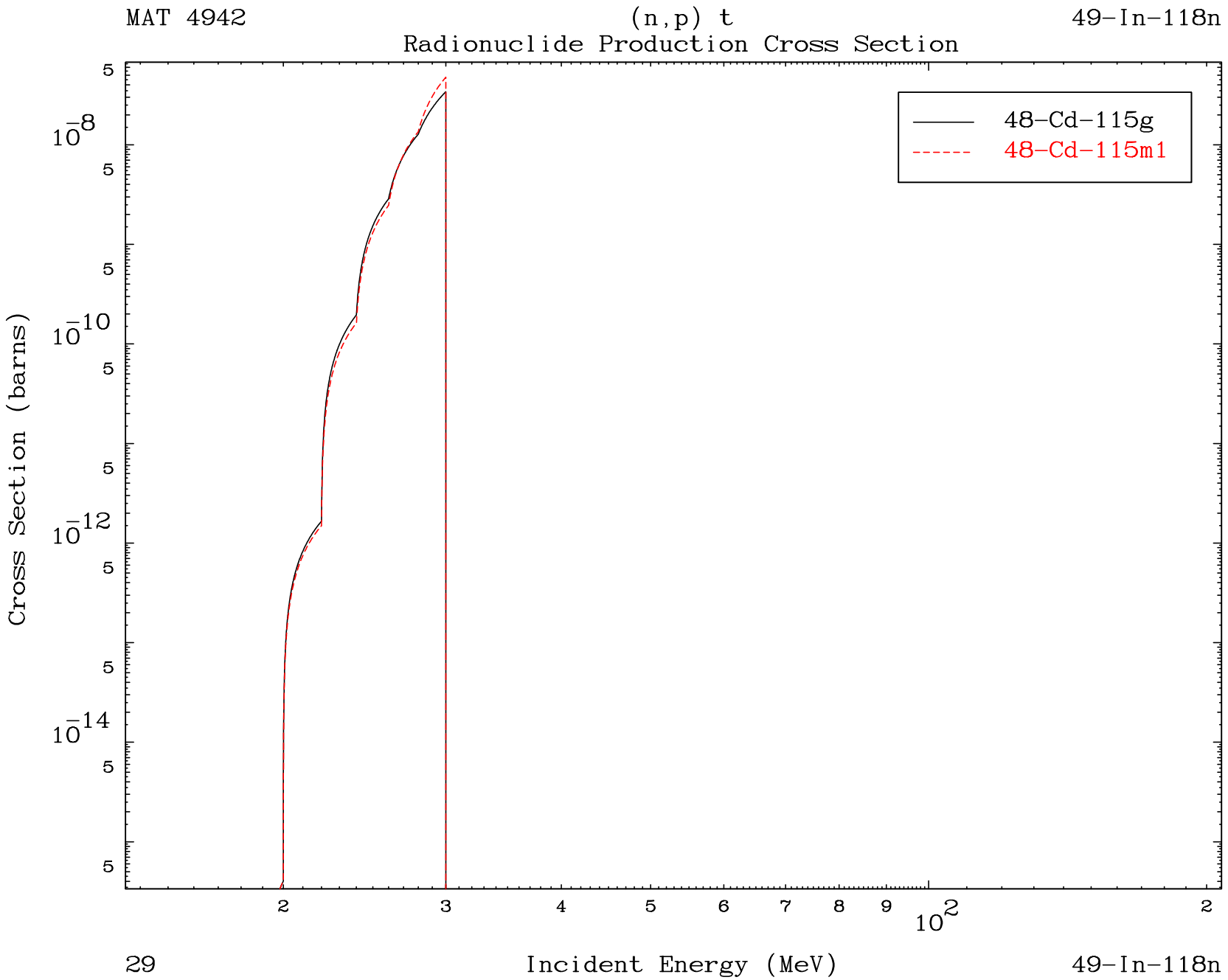

MAT 4942
(n,d)
49-In-118n
Radionuclide Production Cross Section
49-In-117g
49-In-117m1
Cross Section (barns)
Incident Energy (MeV)
24
49-In-118n

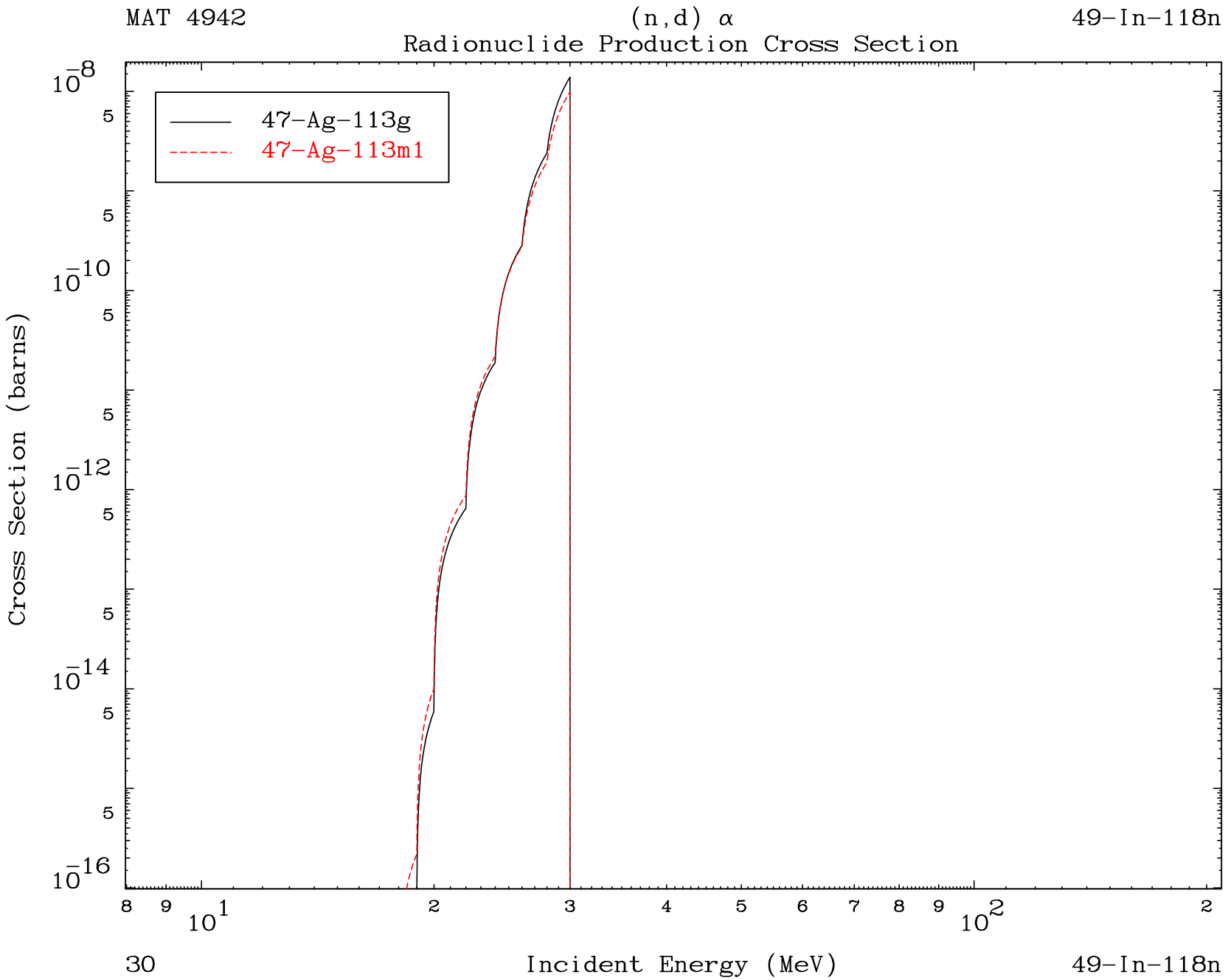

MAT 4942
(n,t)
49-In-118n
Radionuclide Production Cross Section
49-In-116g
49-In-116m1
49-In-116m4
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
7 8 9
10^1
2 3 4 5 6 7 8 9
10^2
2
25
Incident Energy (MeV)
49-In-118n


MAT 4942
(n,α)
49-In-118n
Radionuclide Production Cross Section
48-Cd-115g
48-Cd-115m1
Cross Section (barns)
Incident Energy (MeV)
26
49-In-118n


MAT 4942
(n,2α)
49-In-118n
Radionuclide Production Cross Section
46-Pd-111g
46-Pd-111m2
Cross Section (barns)
10-8
10-10
10-12
10-14
5
100
101
102
2
4
6
8
27
Incident Energy (MeV)
49-In-118n


MAT 4942
(n,2p)
49-In-118n
Radionuclide Production Cross Section
48-Cd-117g
48-Cd-117m2
Cross Section (barns)
Incident Energy (MeV)
28
49-In-118n


MAT 4942
(n,p) t
49-In-118n
Radionuclide Production Cross Section
48-Cd-115g
48-Cd-115m1
Cross Section (barns)
Incident Energy (MeV)
29
49-In-118n


MAT 4942
(n,d) α
49-In-118n
Radionuclide Production Cross Section
47-Ag-113g
47-Ag-113m1
Cross Section (barns)
Incident Energy (MeV)
30
49-In-118n