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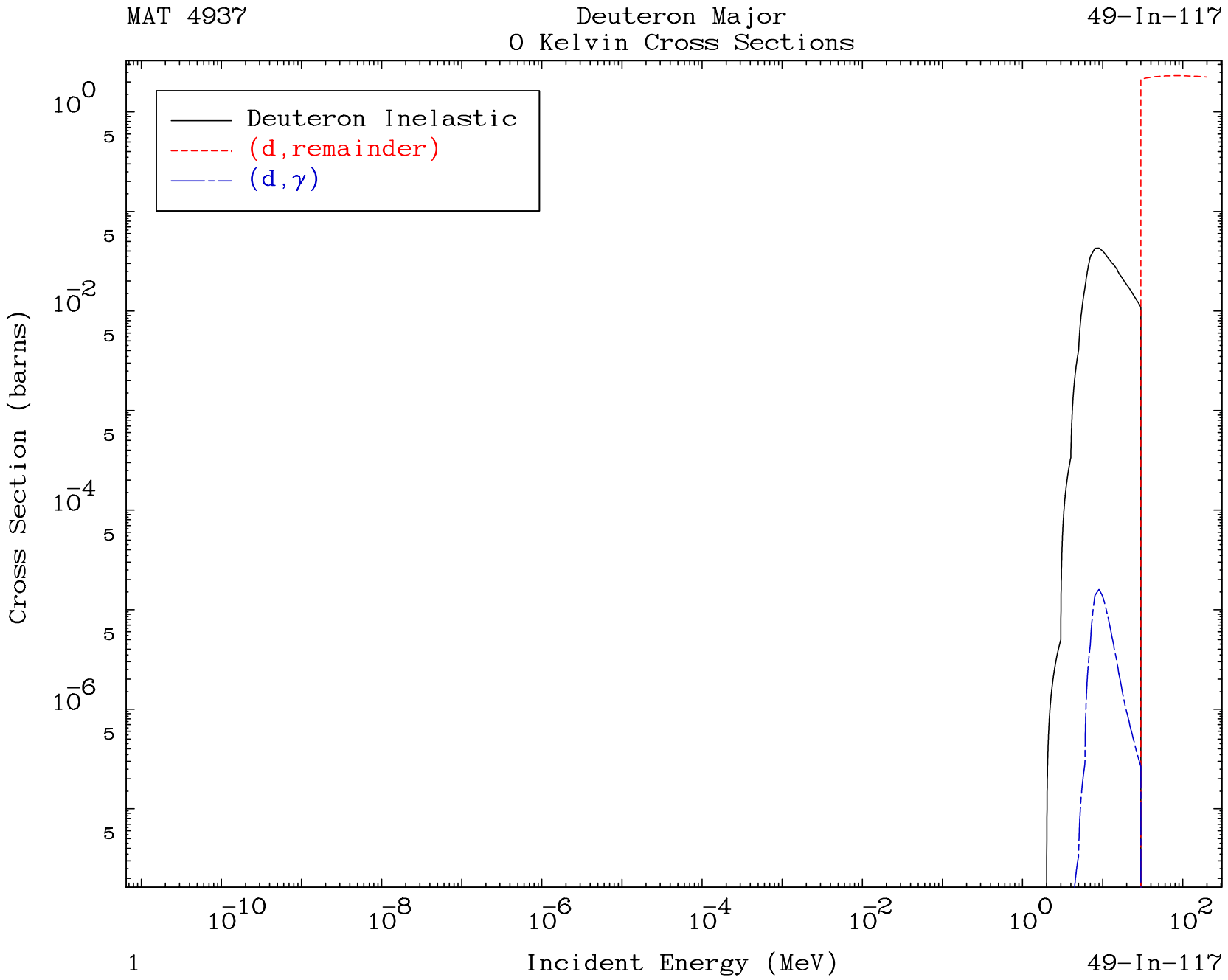
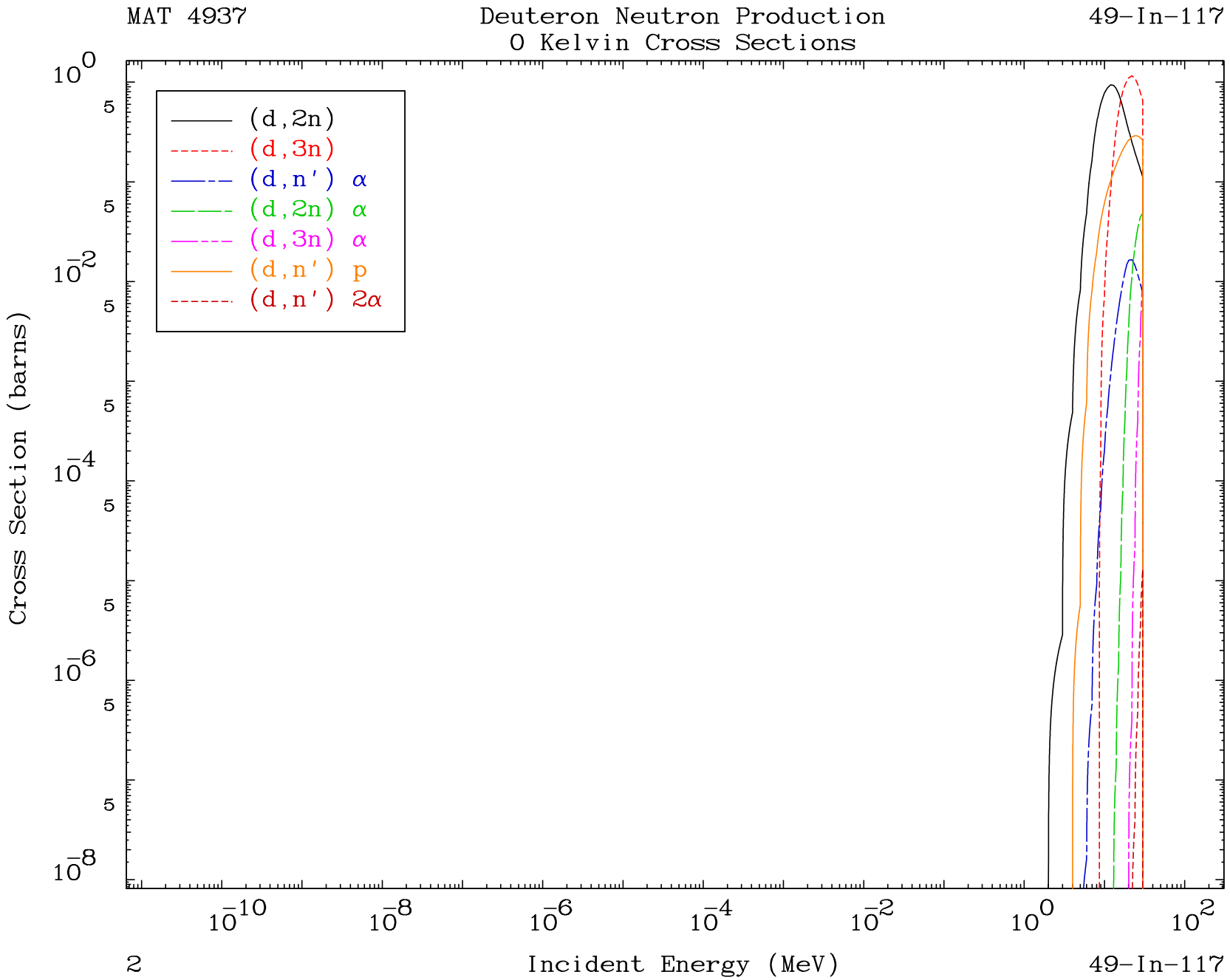
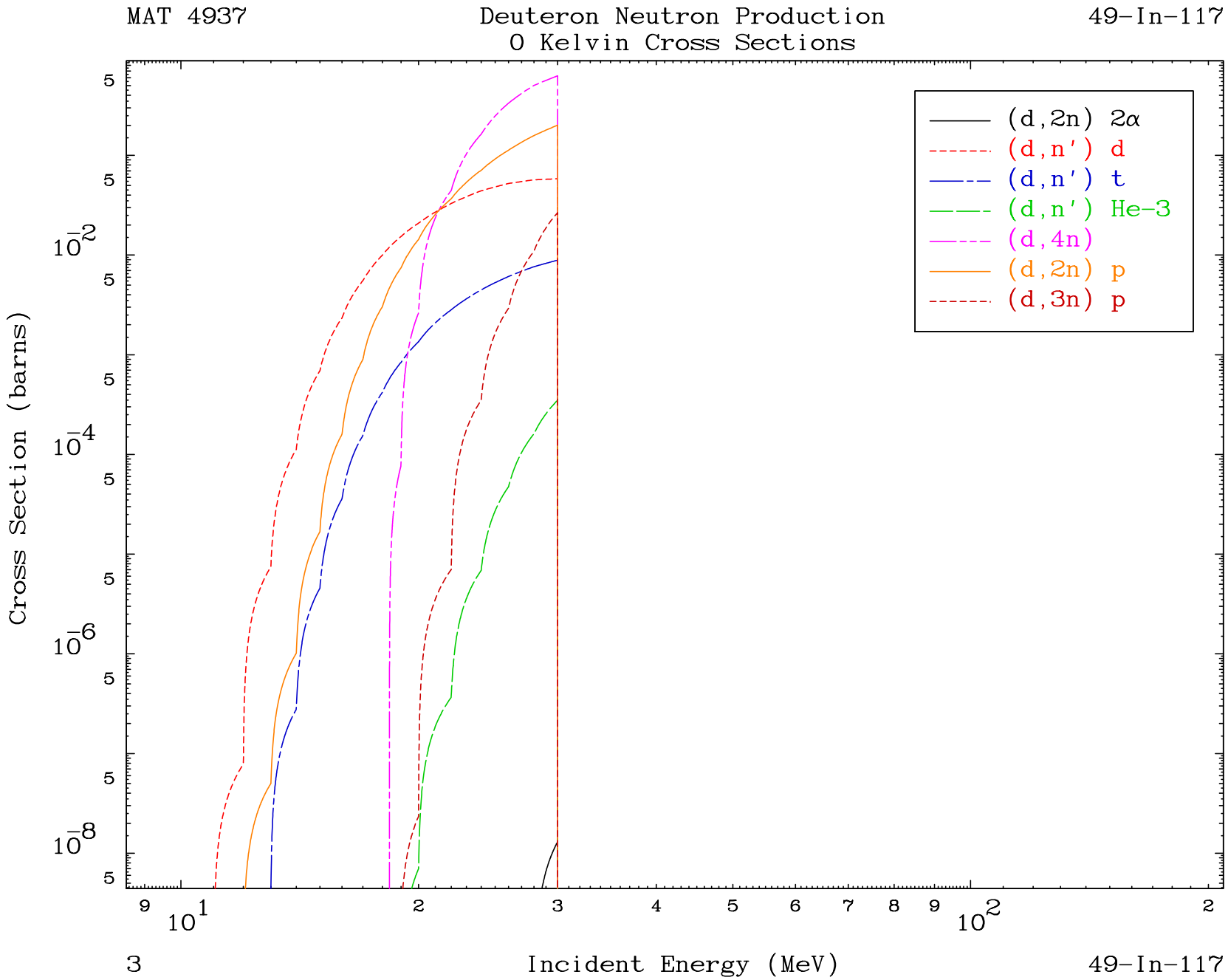
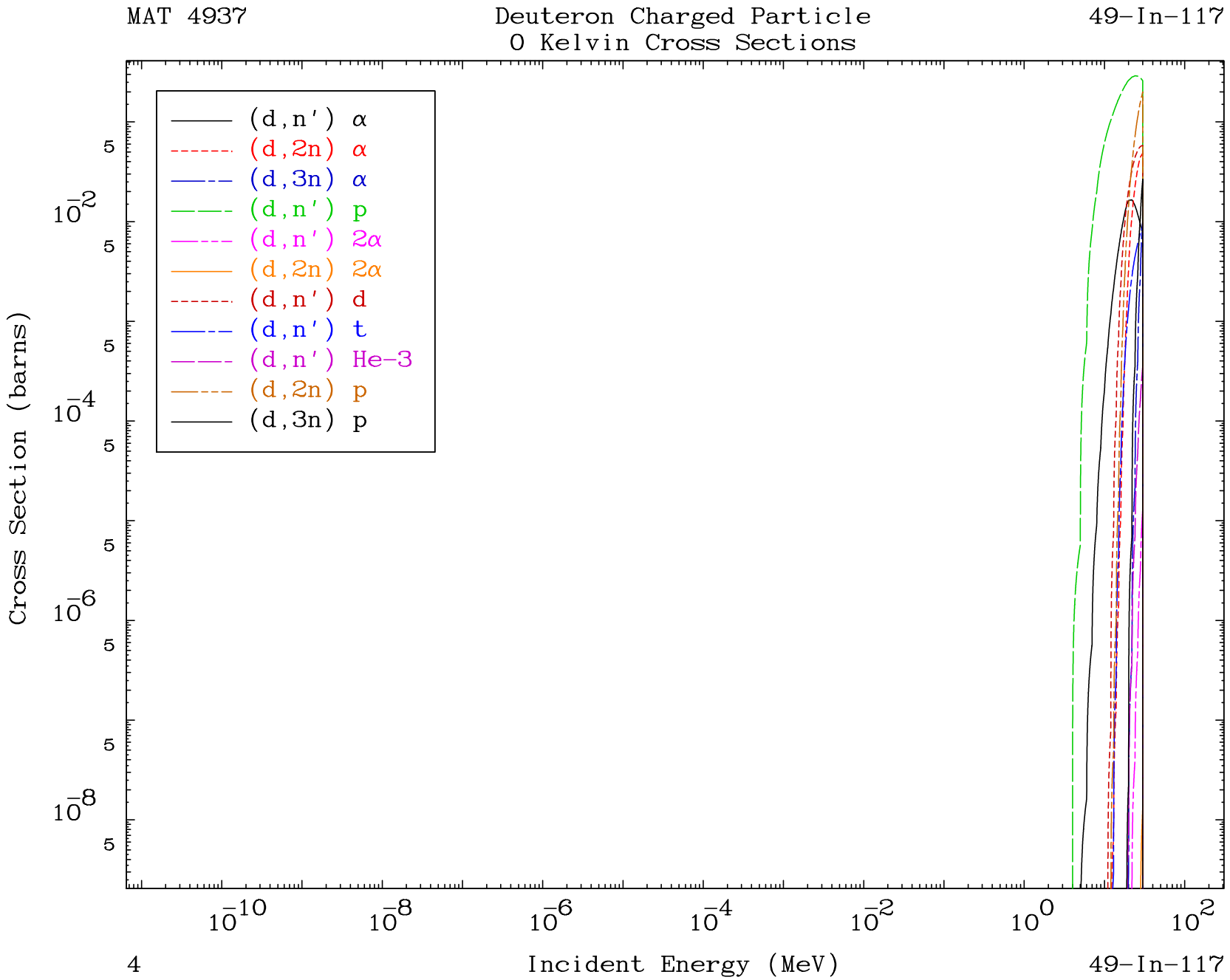
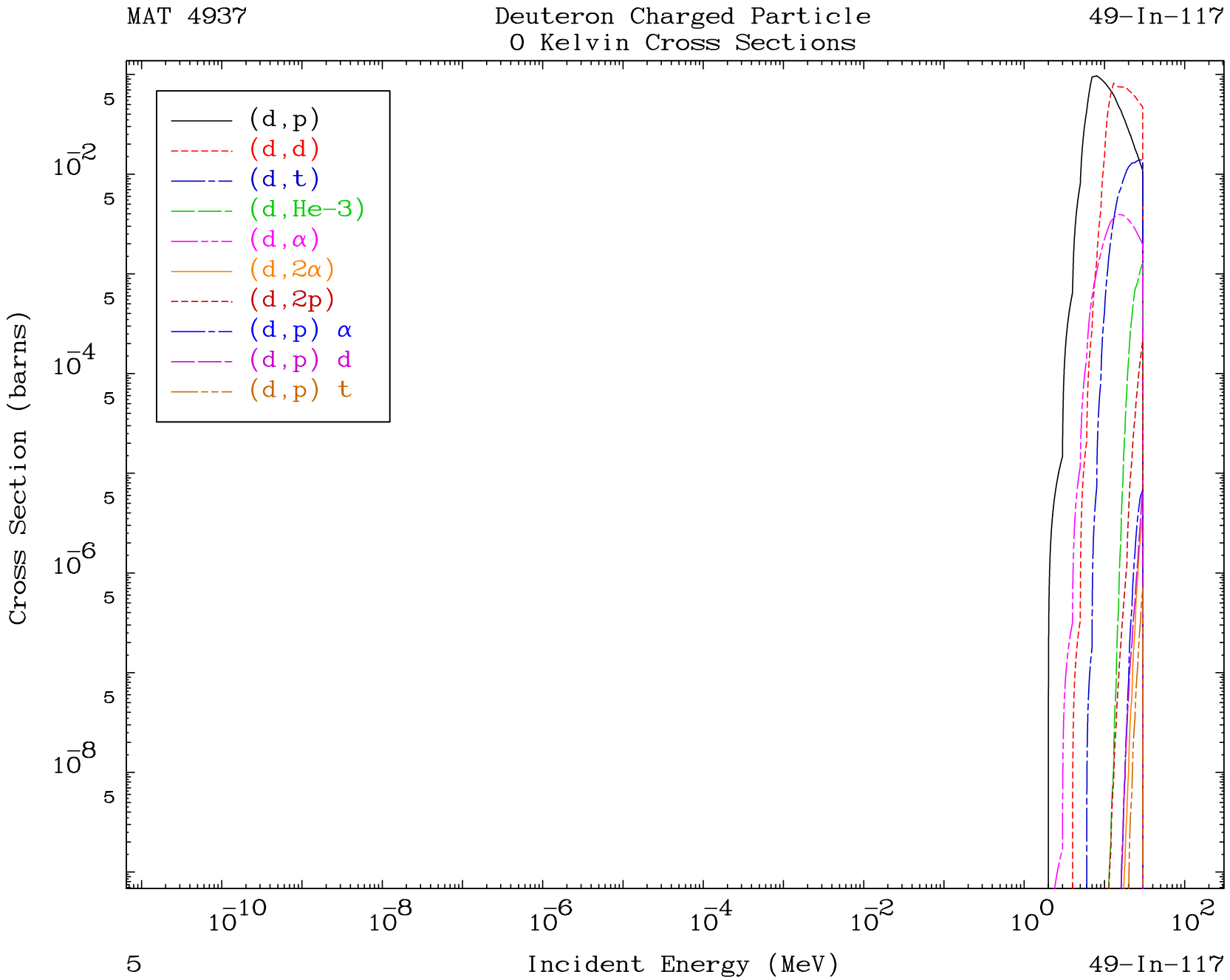
Press Mouse Button to Start

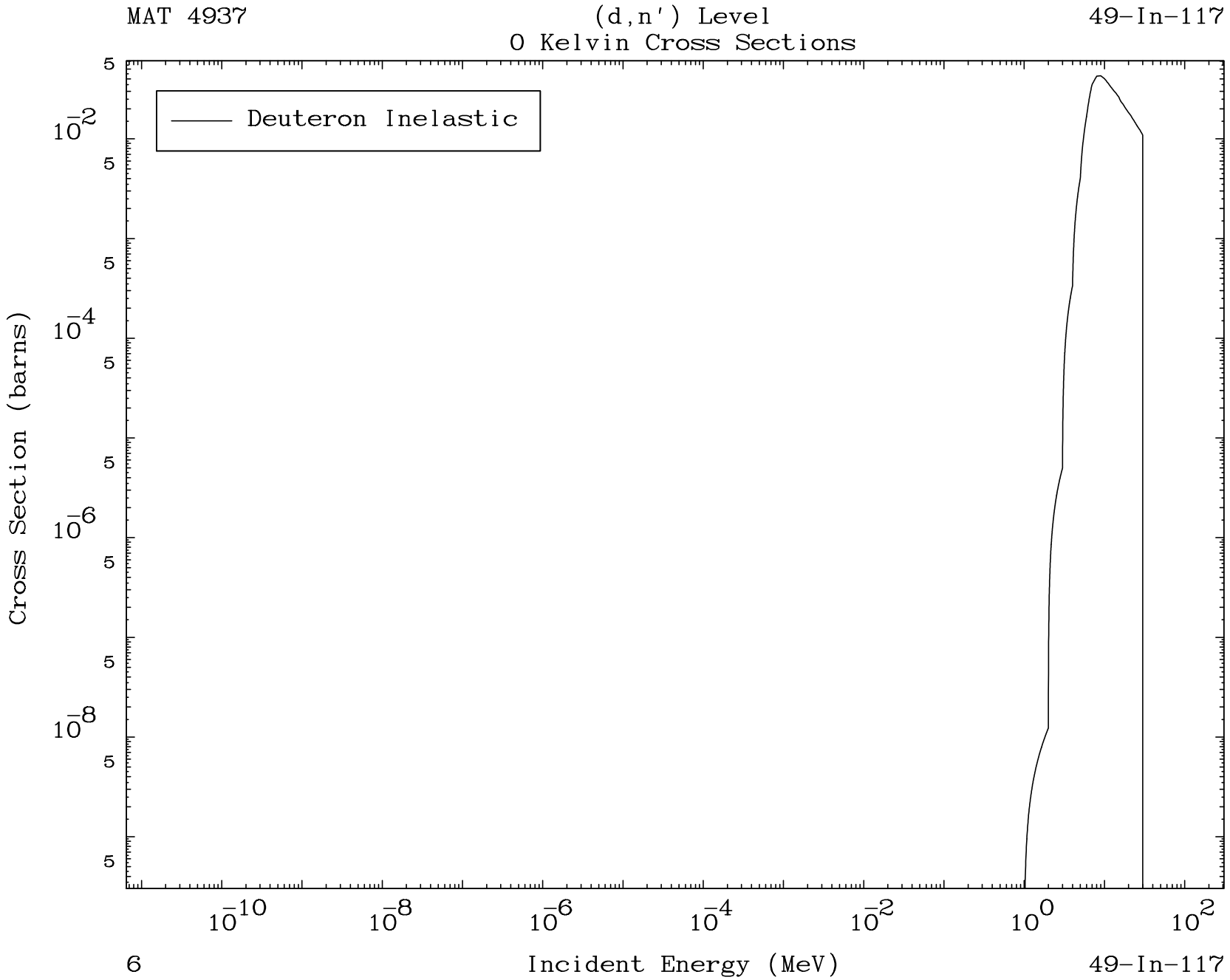

MAT 4937
Deuteron Major
49-In-117
0 Kelvin Cross Sections
Deuteron Inelastic
(d,remainder)
(d,γ)
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
1
49-In-117

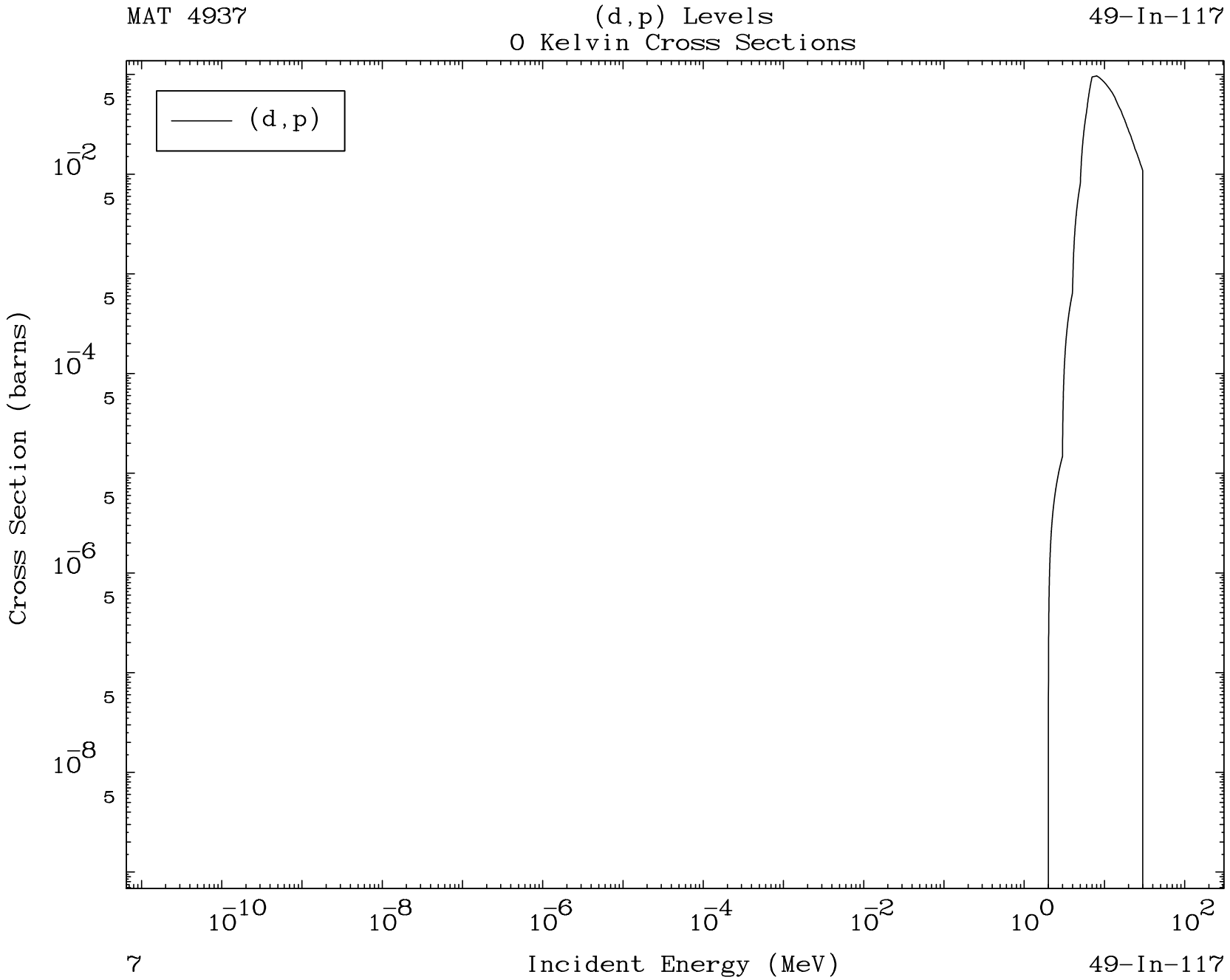

MAT 4937
Deuteron Neutron Production
0 Kelvin Cross Sections
49-In-117
(d,2n)
(d,3n)
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
Cross Section (barns)
Incident Energy (MeV)
2
49-In-117

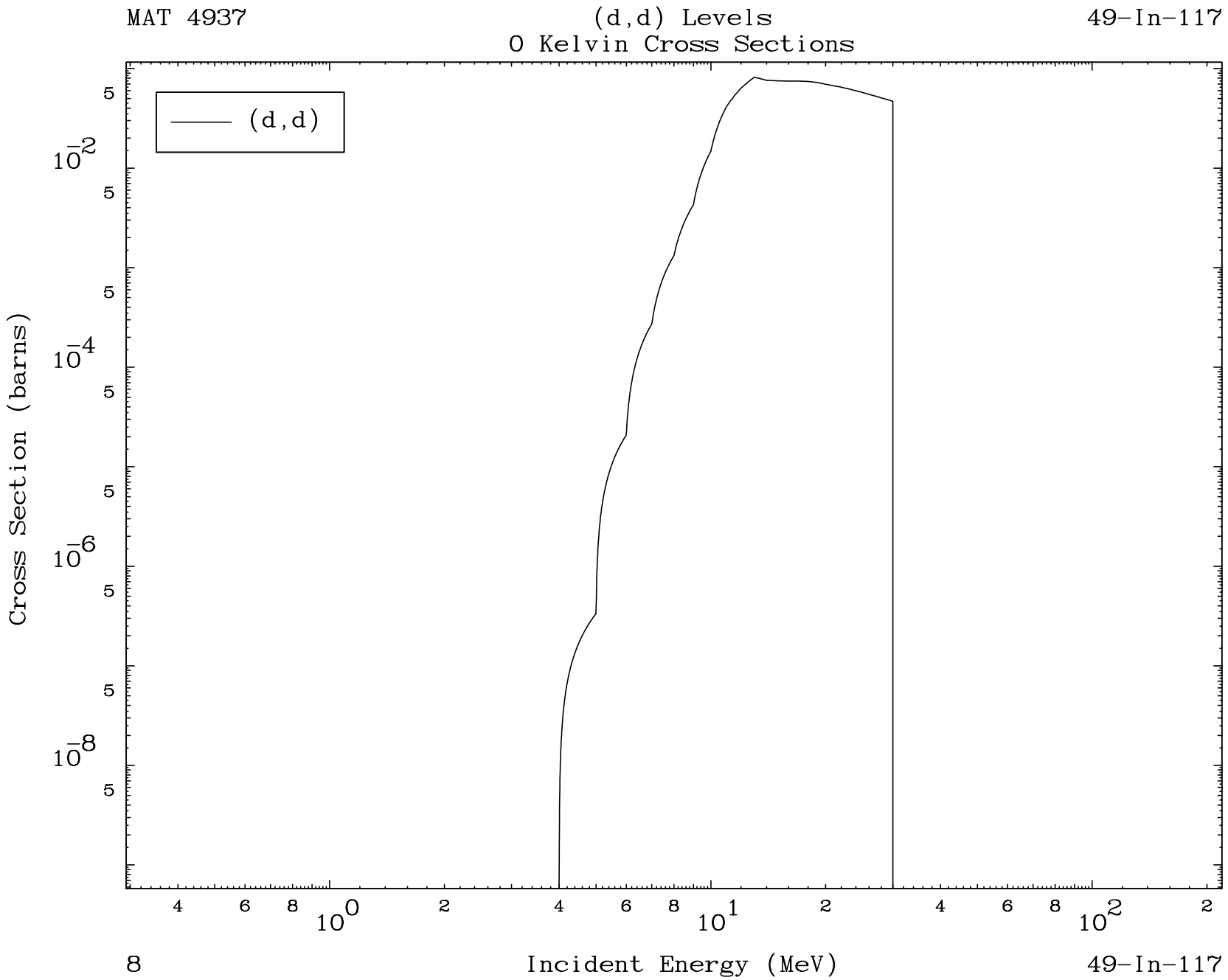

MAT 4937
Deuteron Neutron Production
0 Kelvin Cross Sections
49-In-117
(d,2n) 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,4n)
(d,2n) p
(d,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
49-In-117


MAT 4937
Deuteron Charged Particle
0 Kelvin Cross Sections
49-In-117
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
(d,2n) 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,2n) p
(d,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
49-In-117


MAT 4937
Deuteron Charged Particle
0 Kelvin Cross Sections
49-In-117
(d,p)
(d,d)
(d,t)
(d,He-3)
(d,α)
(d,2α)
(d,2p)
(d,p) α
(d,p) d
(d,p) t
Cross Section (barns)
Incident Energy (MeV)
49-In-117


MAT 4937
(d,n') Level
49-In-117
0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
49-In-117


MAT 4937
(d,p) Levels
49-In-117
0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
Incident Energy (MeV)
7
49-In-117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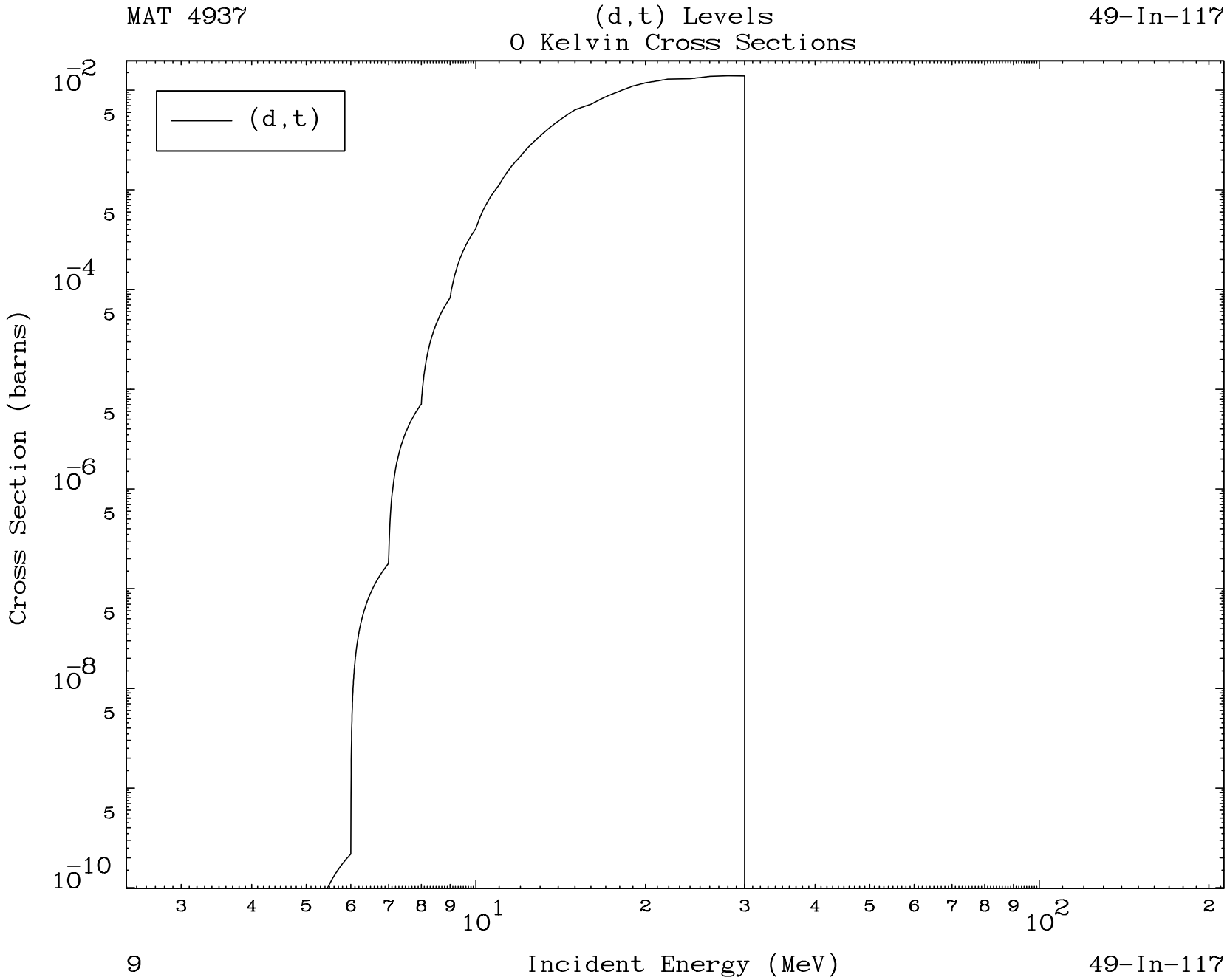
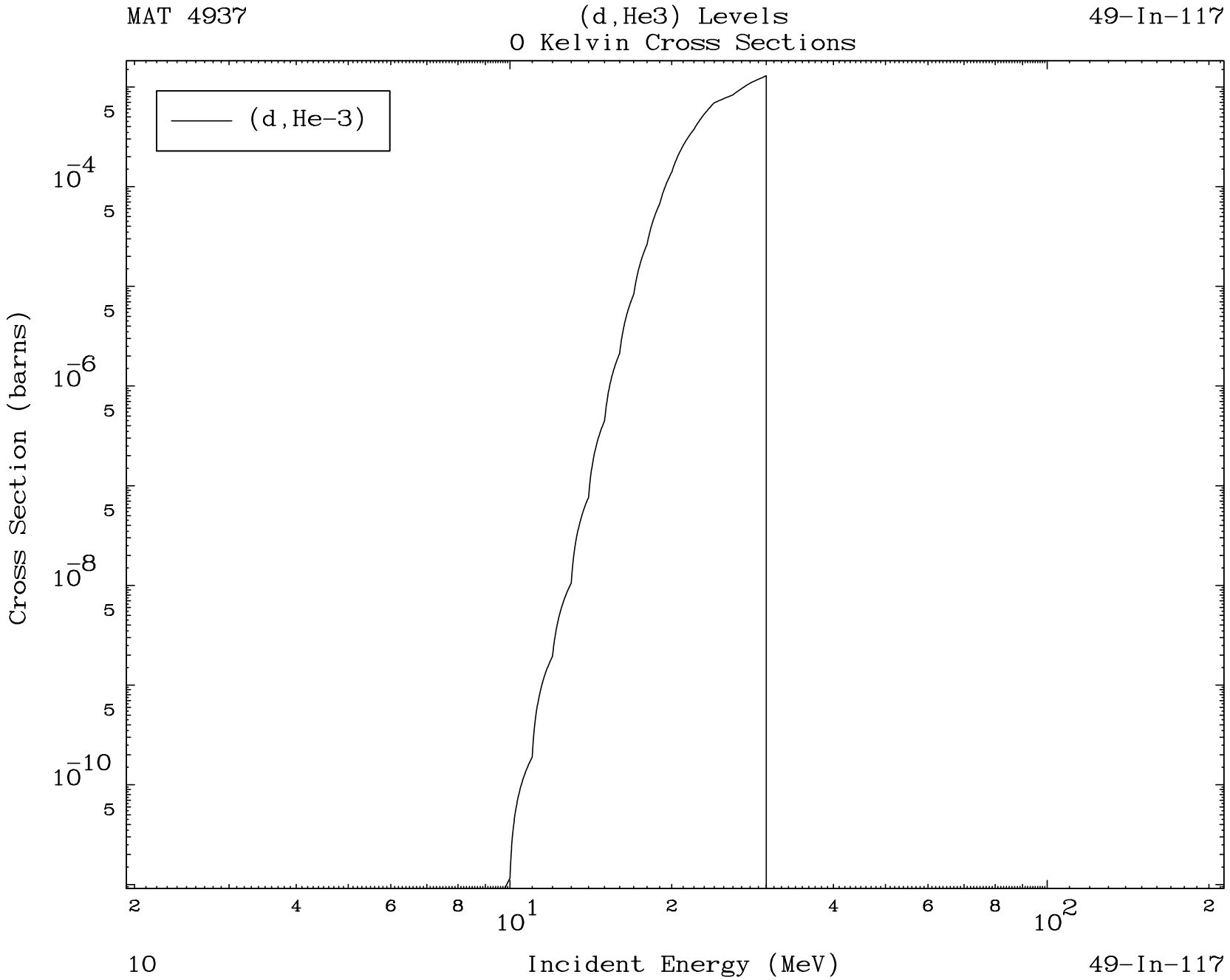
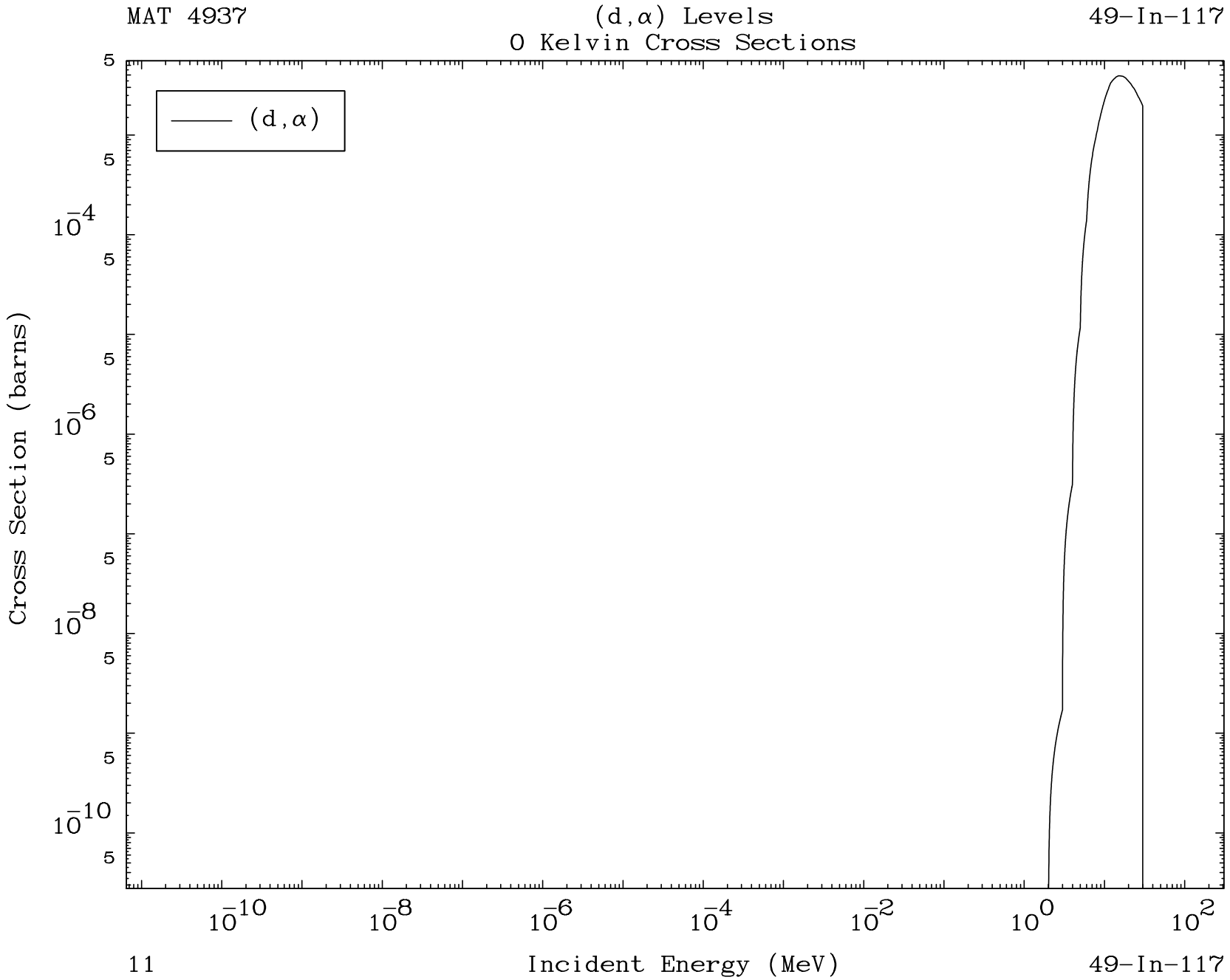
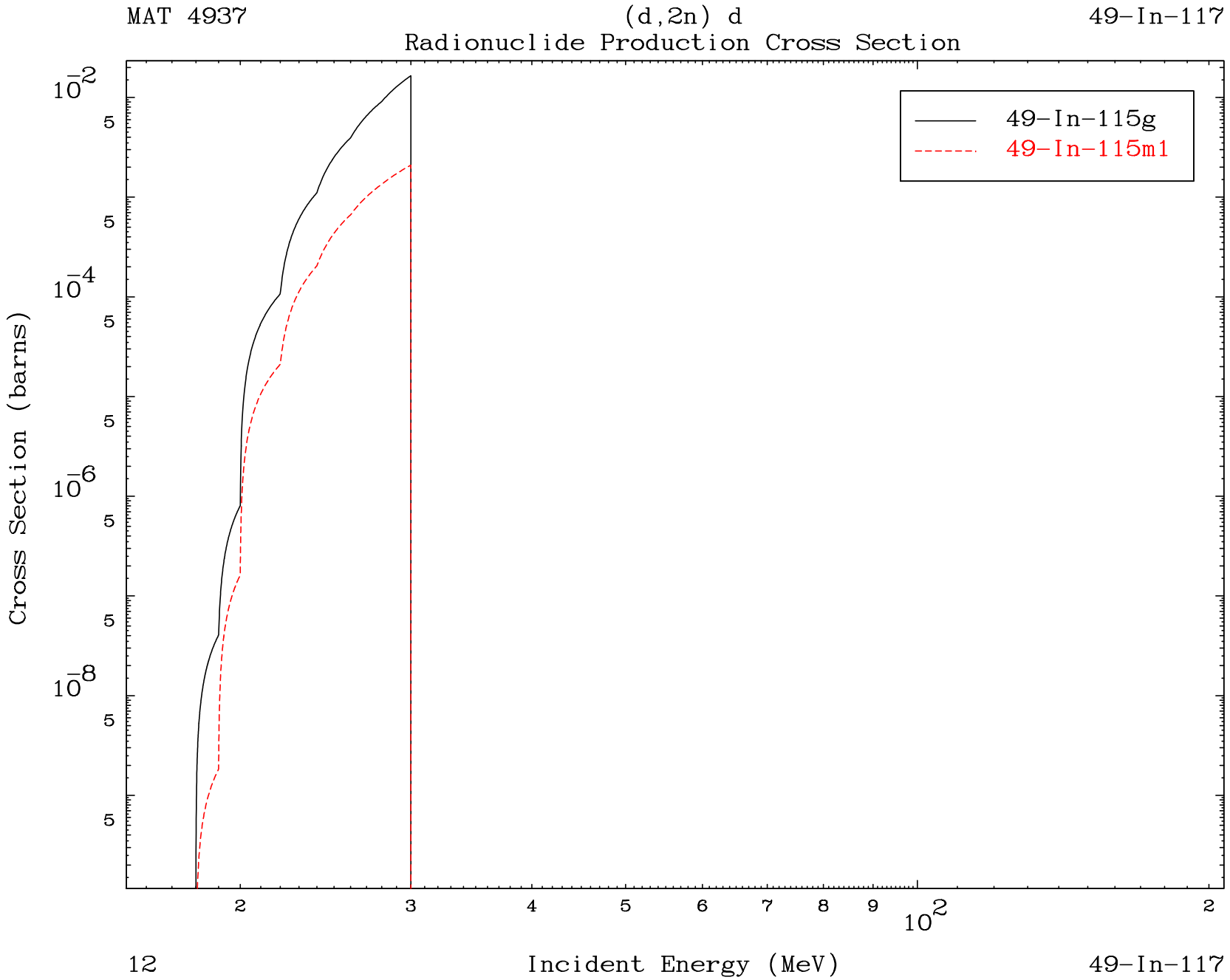
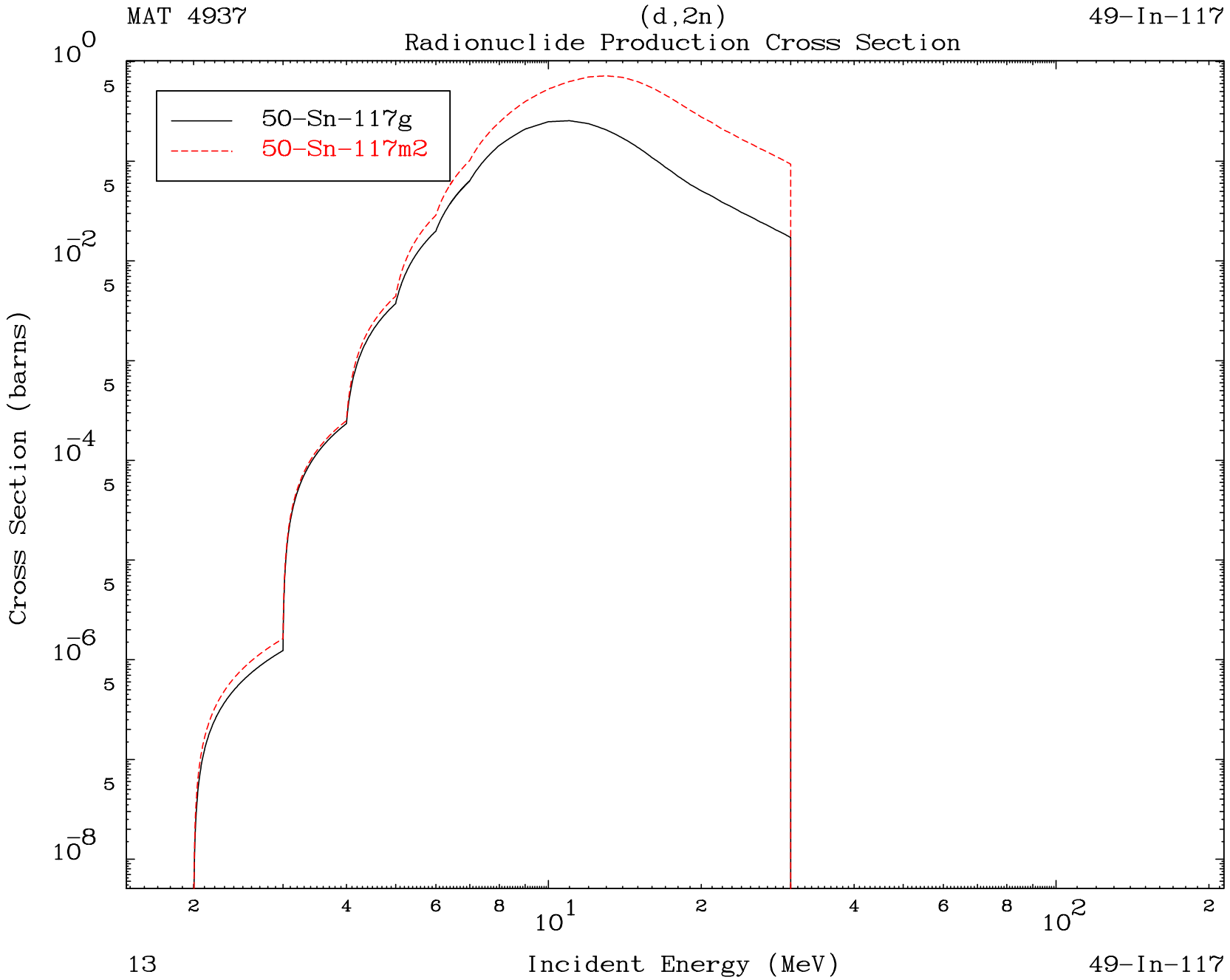
(d,d) Levels
49-In-117
0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
Incident Energy (MeV)
49-In-117

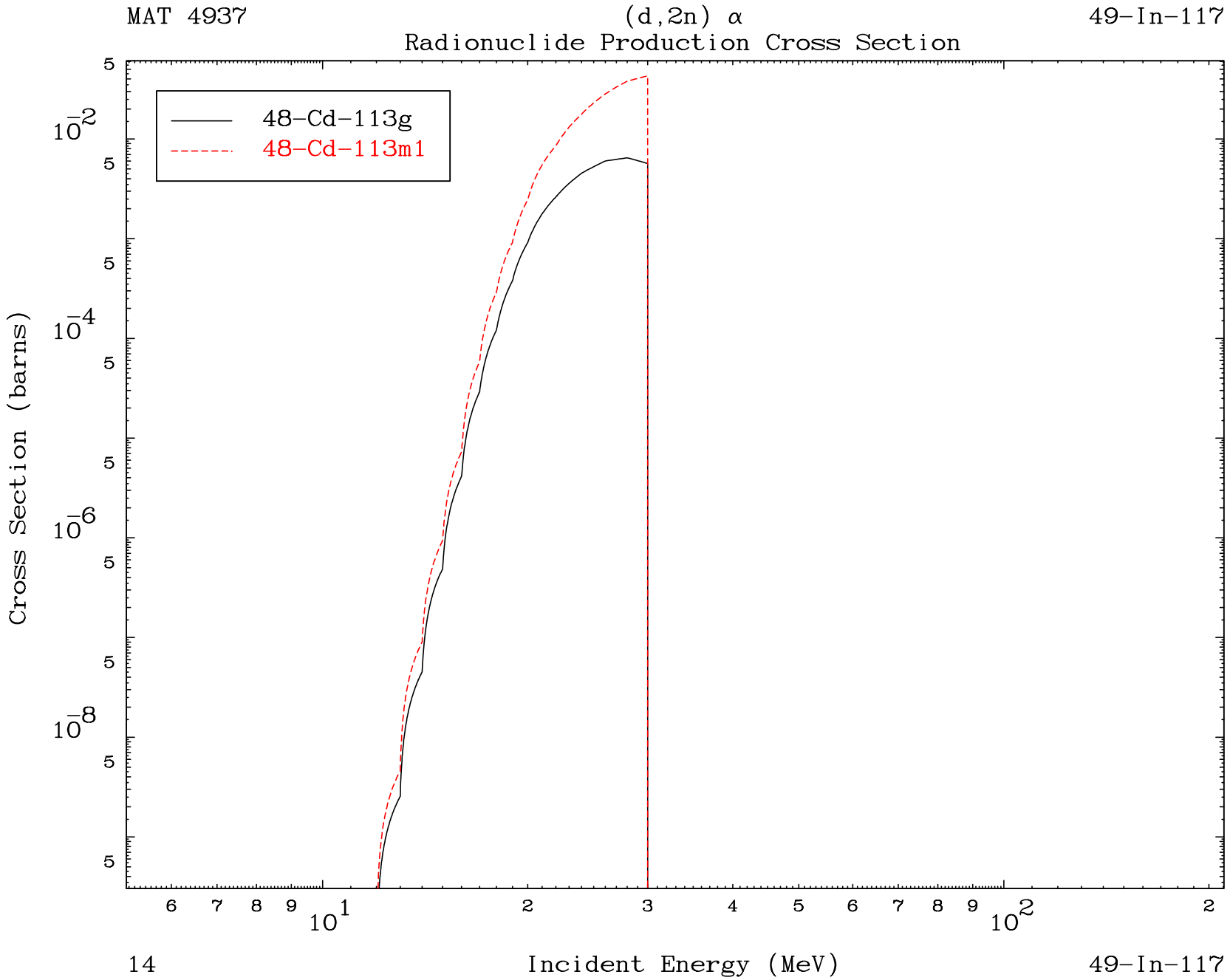

MAT 4937
(d,t) Levels
49-In-117
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
Incident Energy (MeV)
9
49-In-117

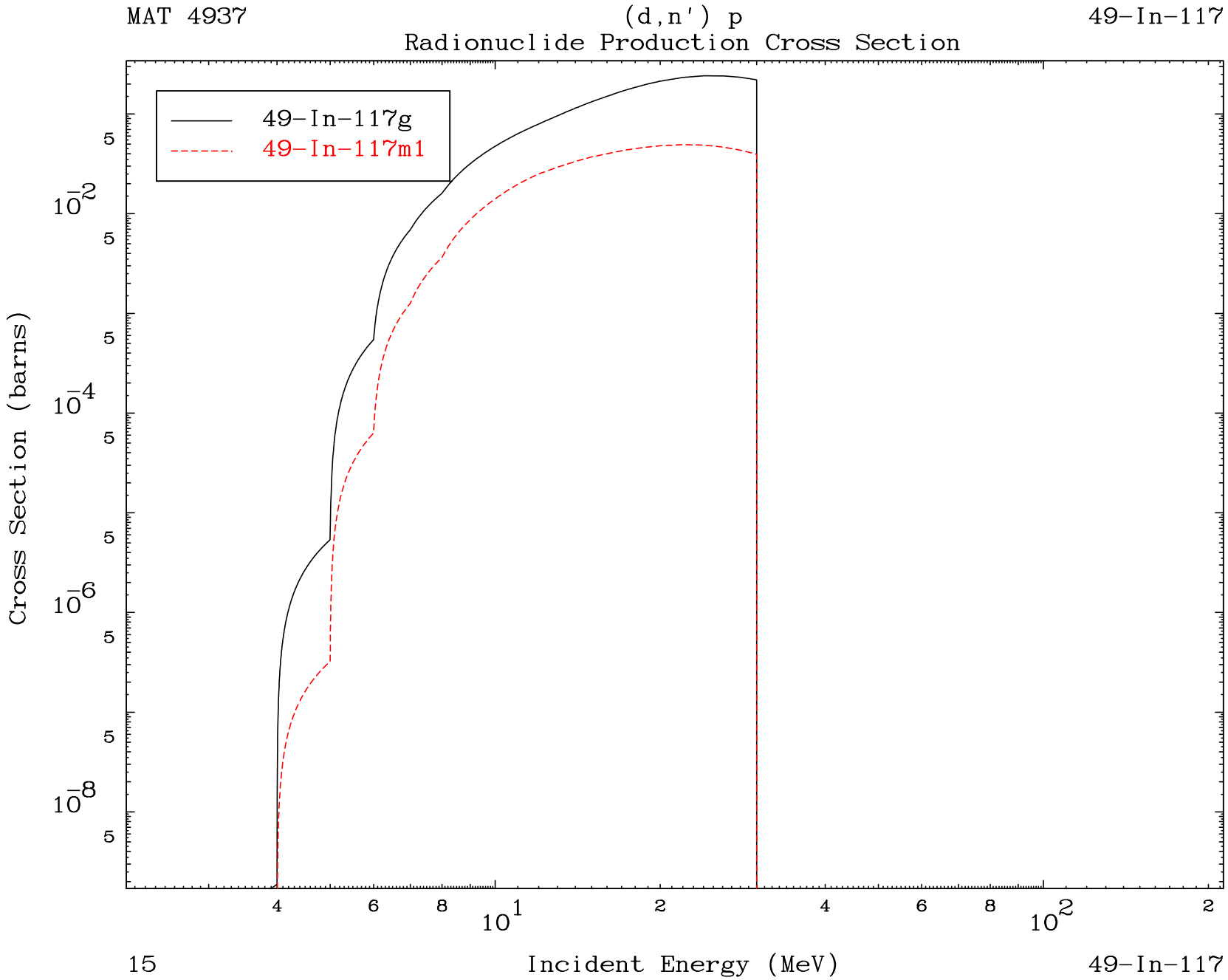

MAT 4937
(d,He3) Levels
49-In-117
0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^1
10^2
49-In-117

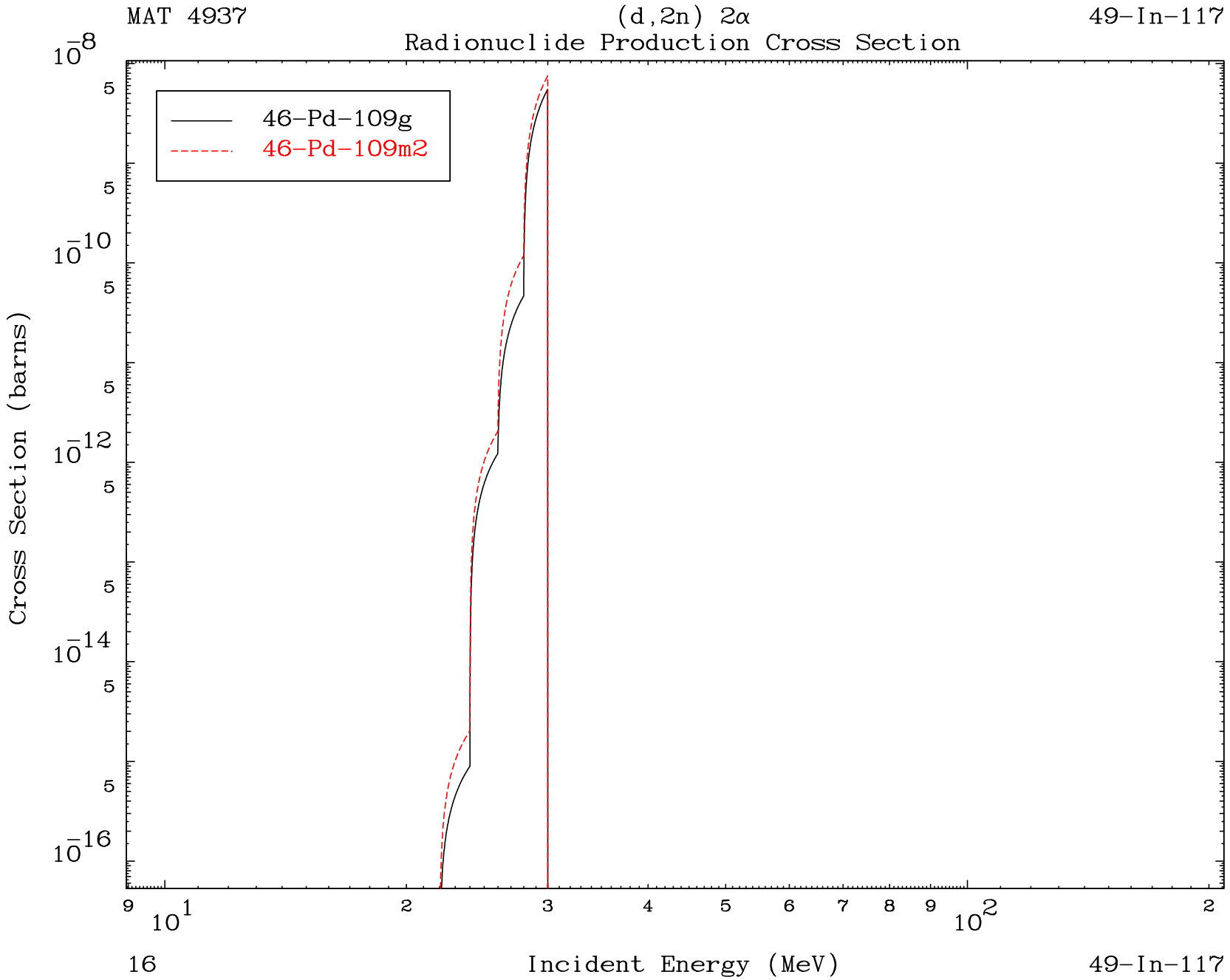

MAT 4937
(d,α) Levels
49-In-117
0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
Incident Energy (MeV)
11
49-In-117

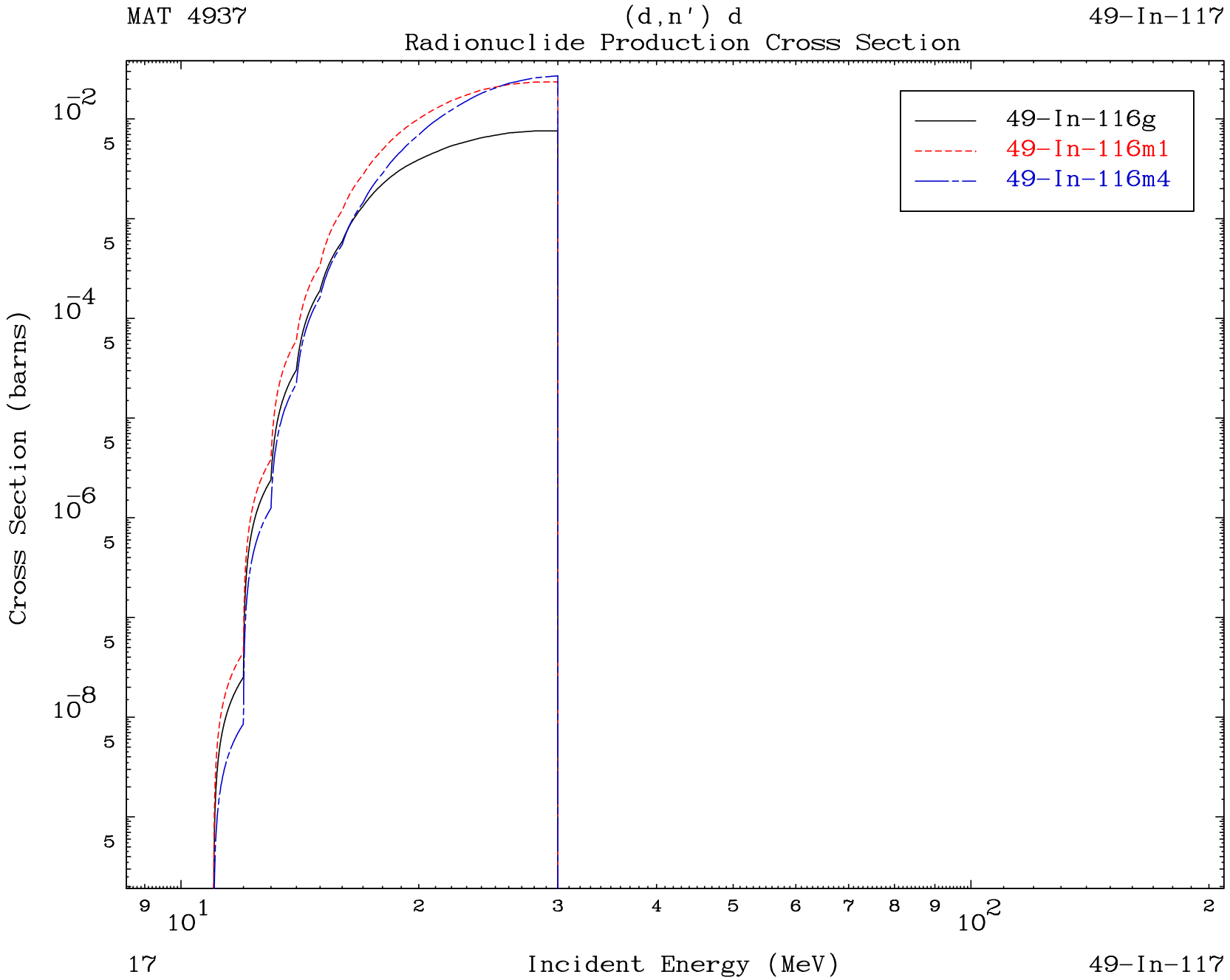

MAT 4937
(d,2n) d
49-In-117
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
49-In-117

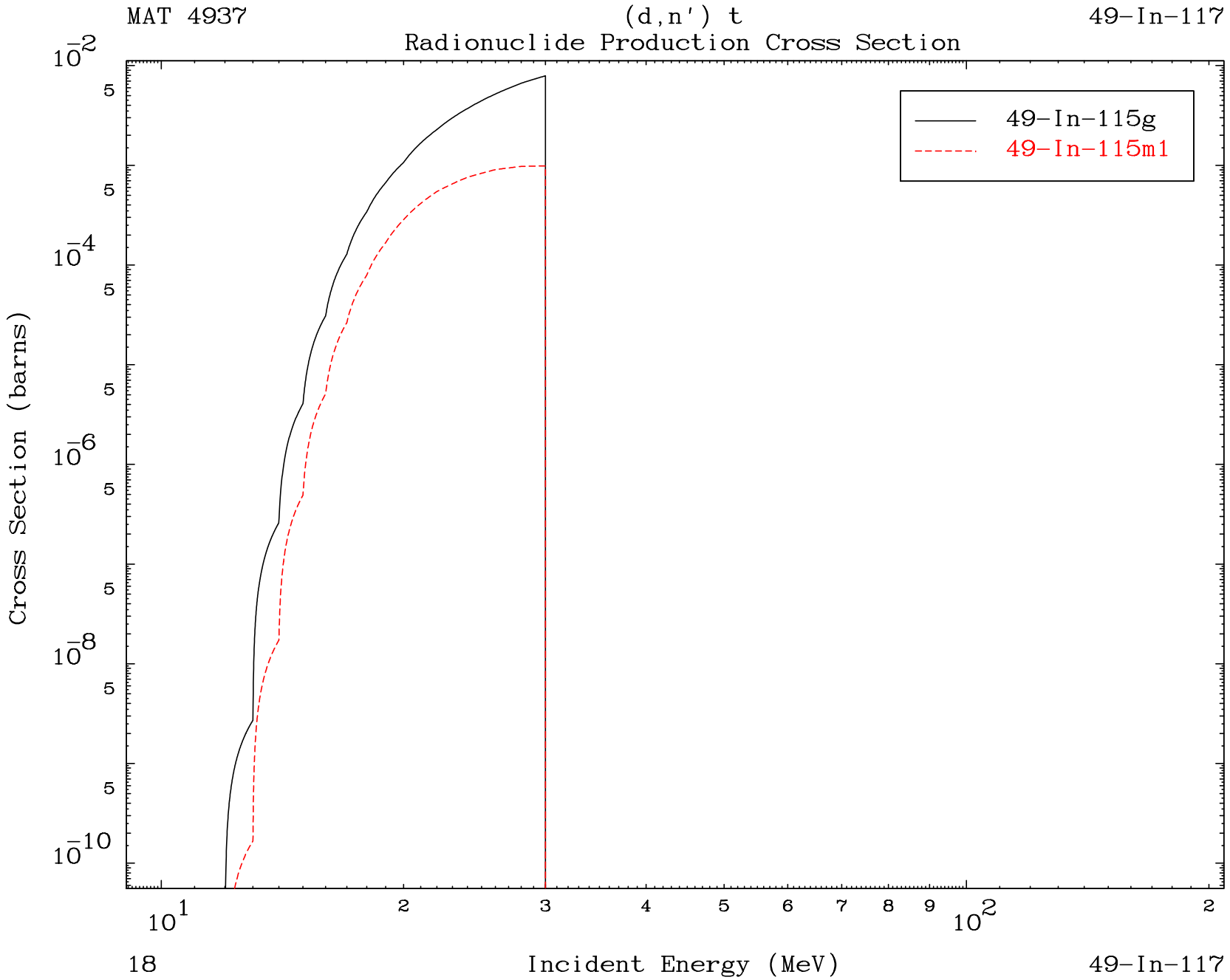

MAT 4937
(d,2n)
49-In-117
Radionuclide Production Cross Section
50-Sn-117g
50-Sn-117m2
Cross Section (barns)
Incident Energy (MeV)
13
49-In-117

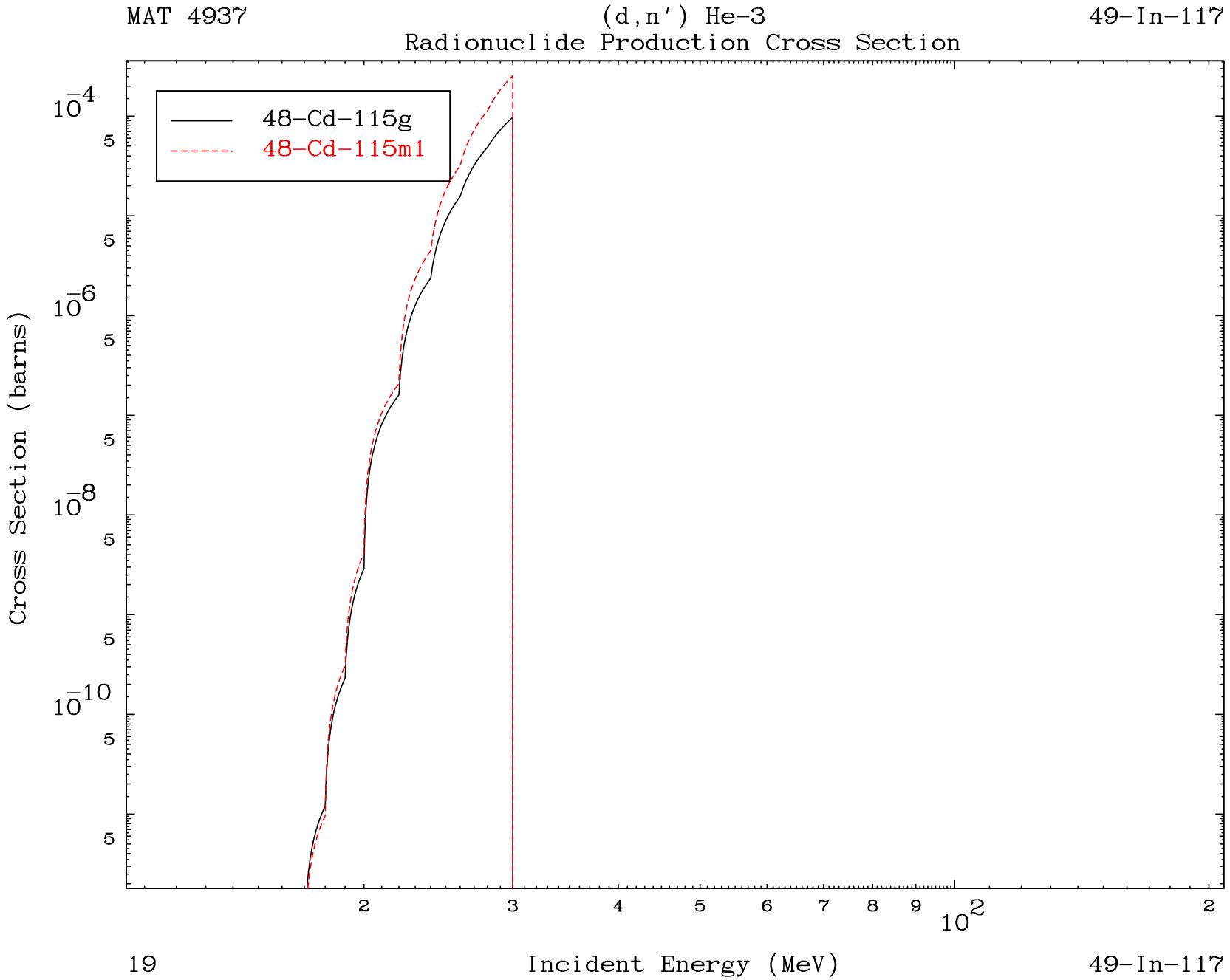

MAT 4937
(d,2n) α
49-In-117
Radionuclide Production Cross Section
48-Cd-113g
48-Cd-113m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6 7 8 9
10 1
2 3 4 5 6 7 8 9
10 2
2
14
Incident Energy (MeV)
49-In-117

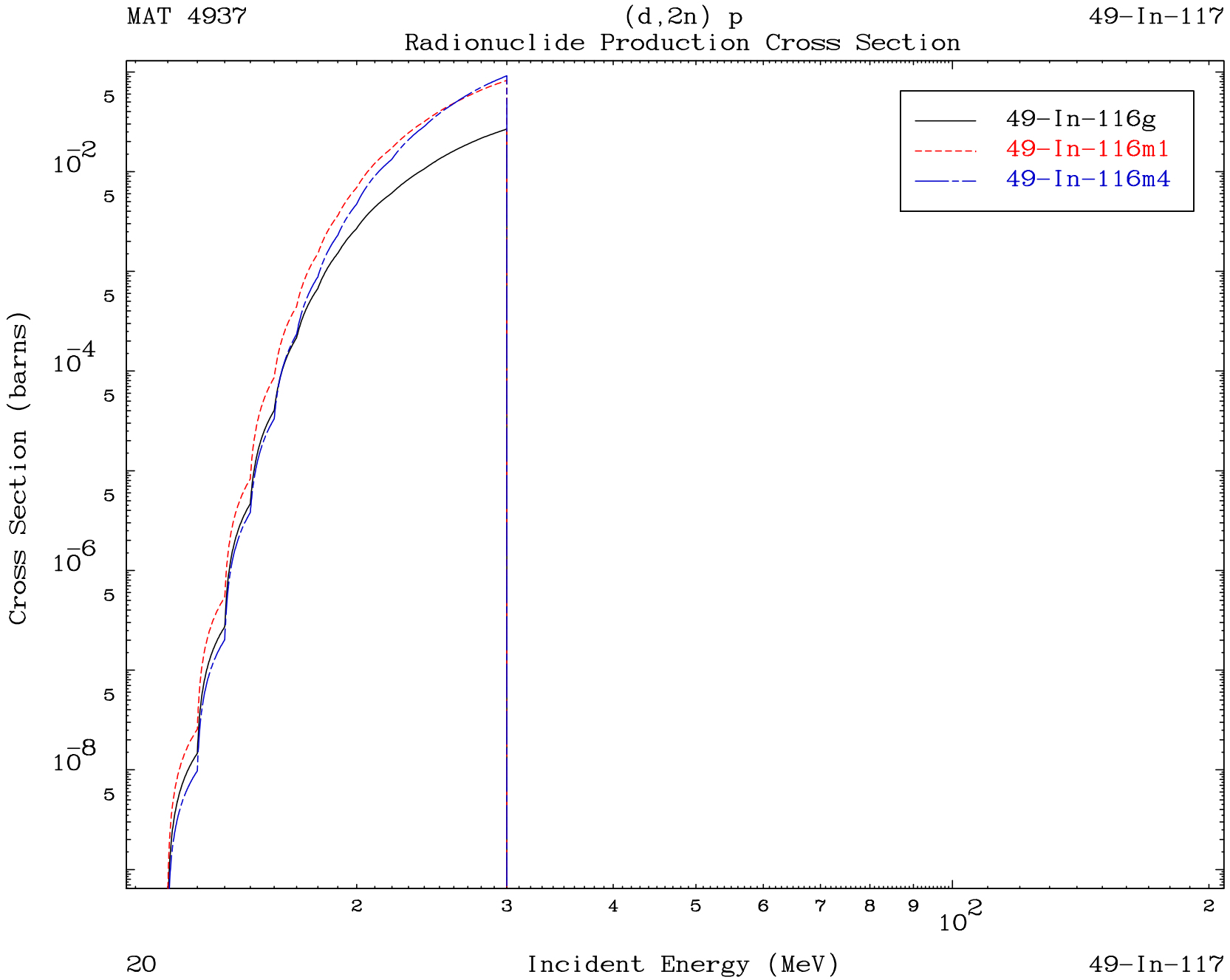

MAT 4937
(d,n') p
49-In-117
Radionuclide Production Cross Section
49-In-117g
49-In-117m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4
6
8
10 1
2
4
6
8
10 2
2
15
Incident Energy (MeV)
49-In-117

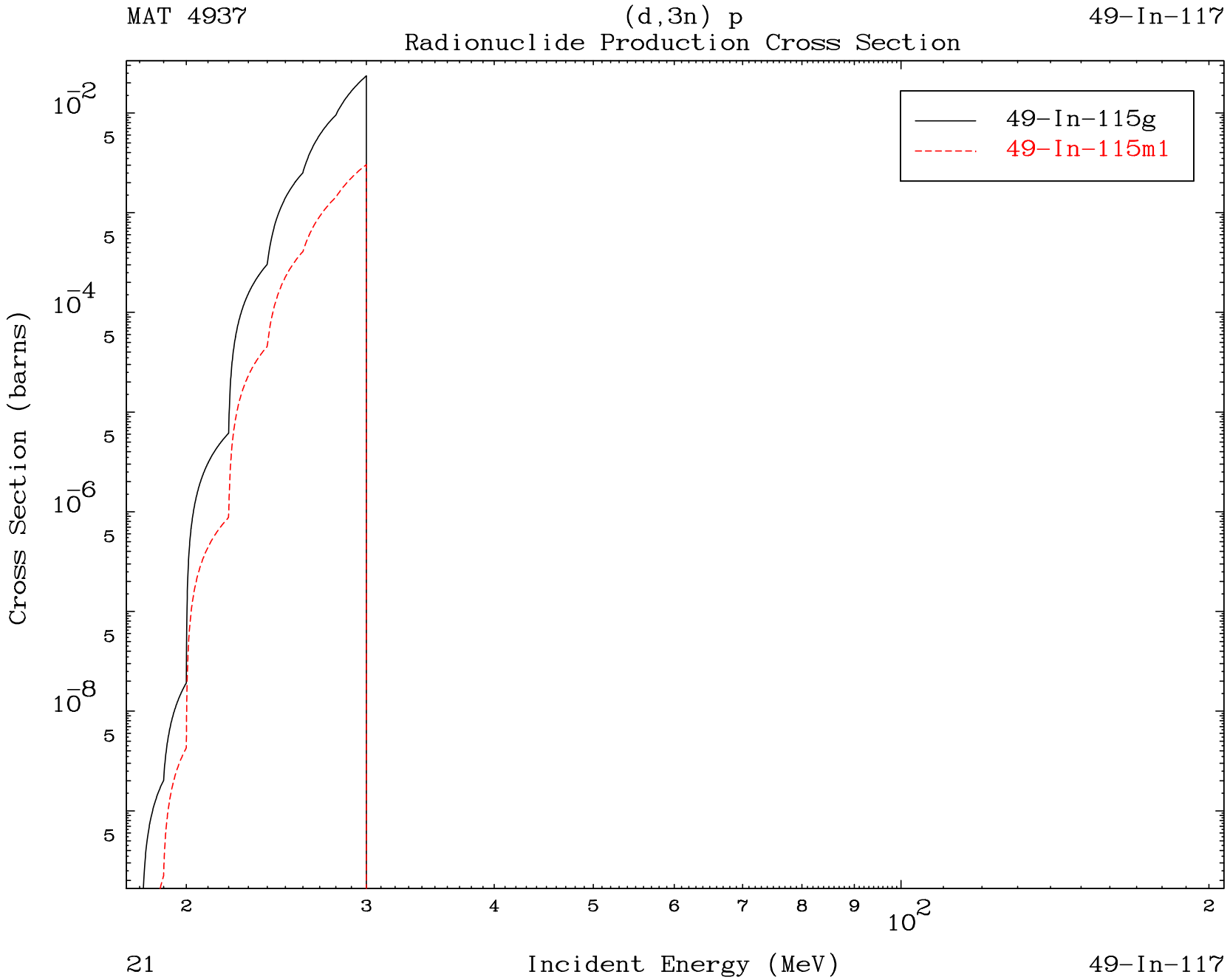

MAT 4937
(d,2n) 2α
49-In-117
Radionuclide Production Cross Section
46-Pd-109g
46-Pd-109m2
Cross Section (barns)
Incident Energy (MeV)
49-In-117
16

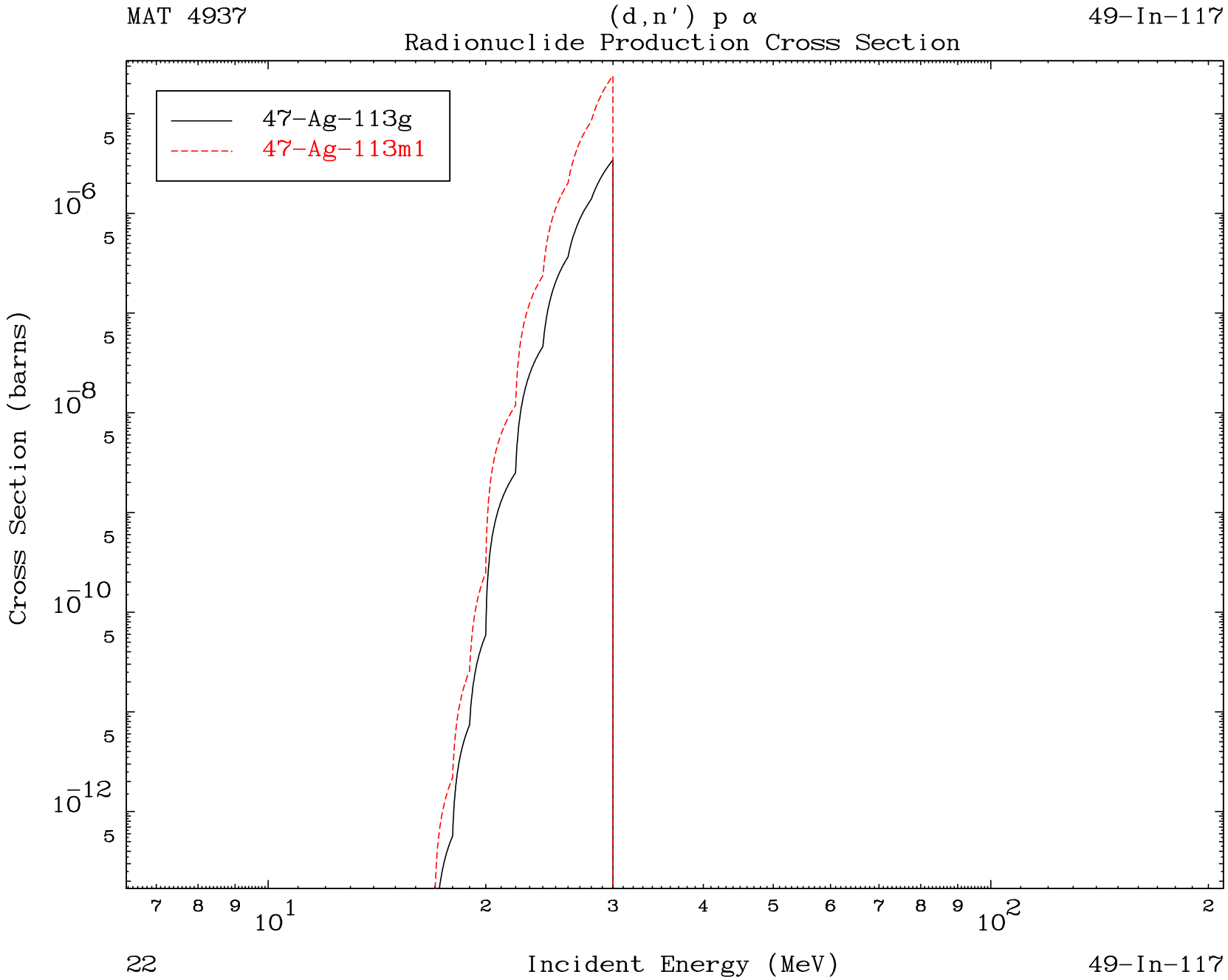

MAT 4937
(d,n') d
49-In-117
Radionuclide Production Cross Section
49-In-116g
49-In-116m1
49-In-116m4
Cross Section (barns)
Incident Energy (MeV)
17
49-In-117

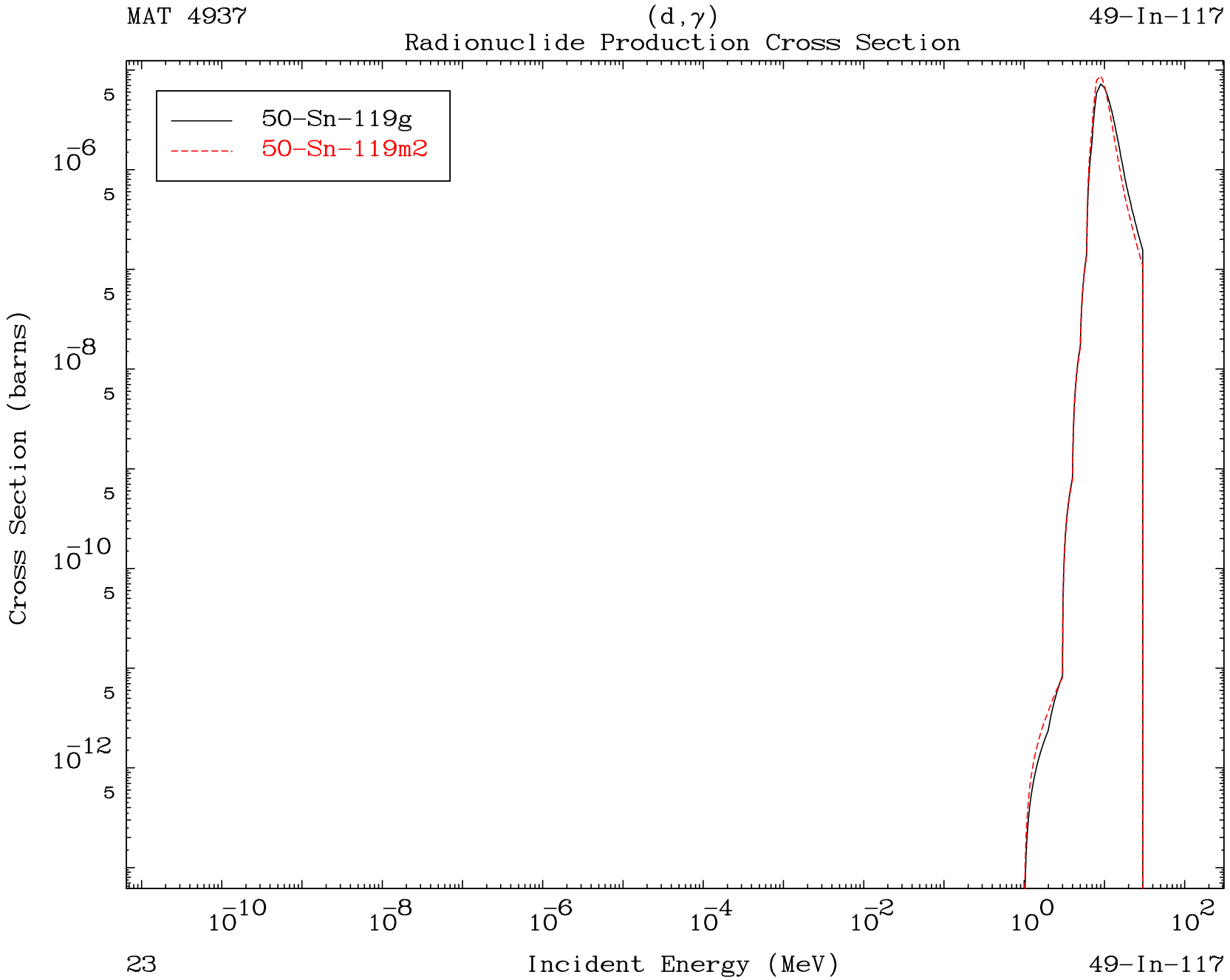

MAT 4937
(d,n') t
49-In-117
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
Incident Energy (MeV)
18
49-In-117

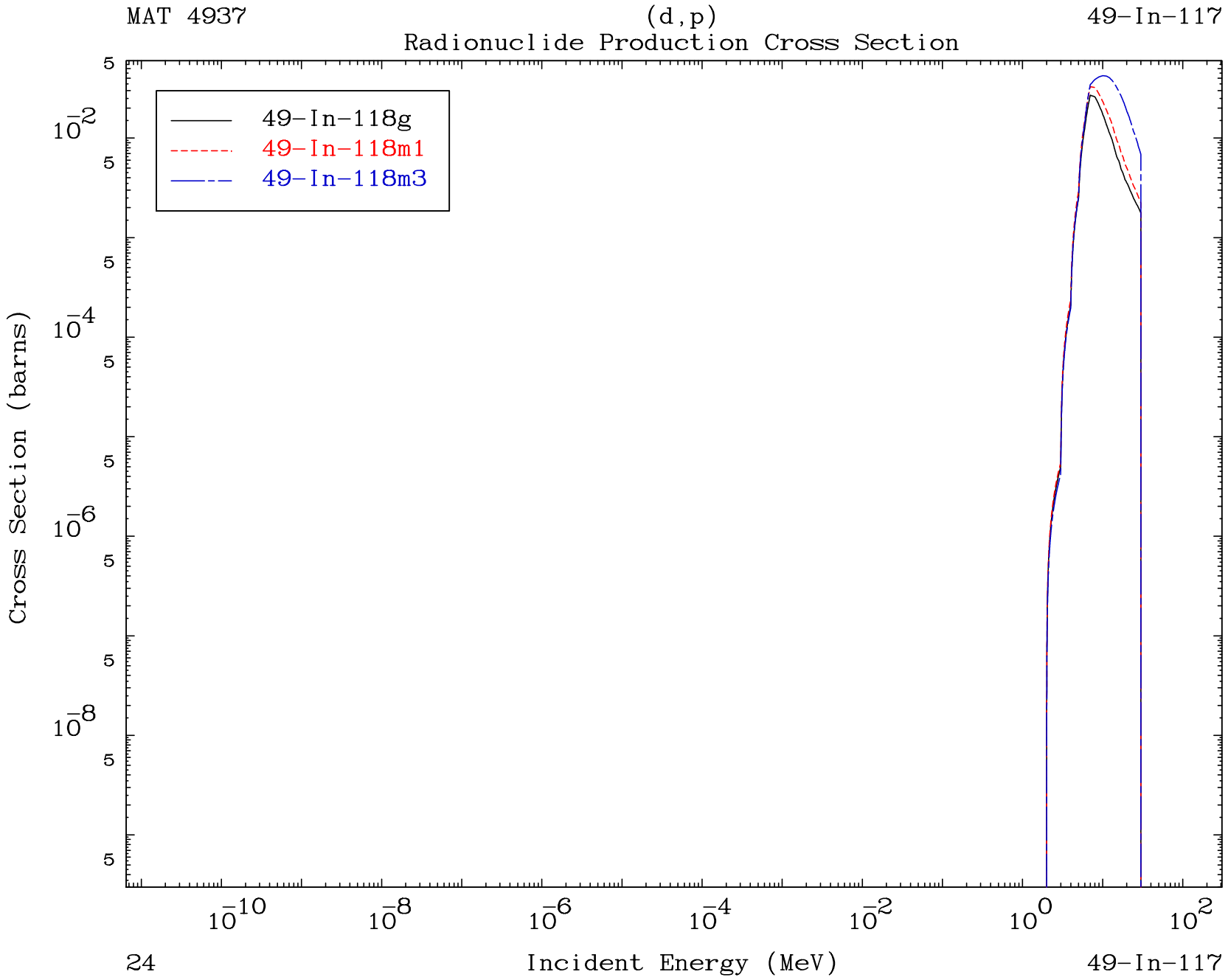

MAT 4937
(d,n') He-3
49-In-117
Radionuclide Production Cross Section
48-Cd-115g
48-Cd-115m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
49-In-117

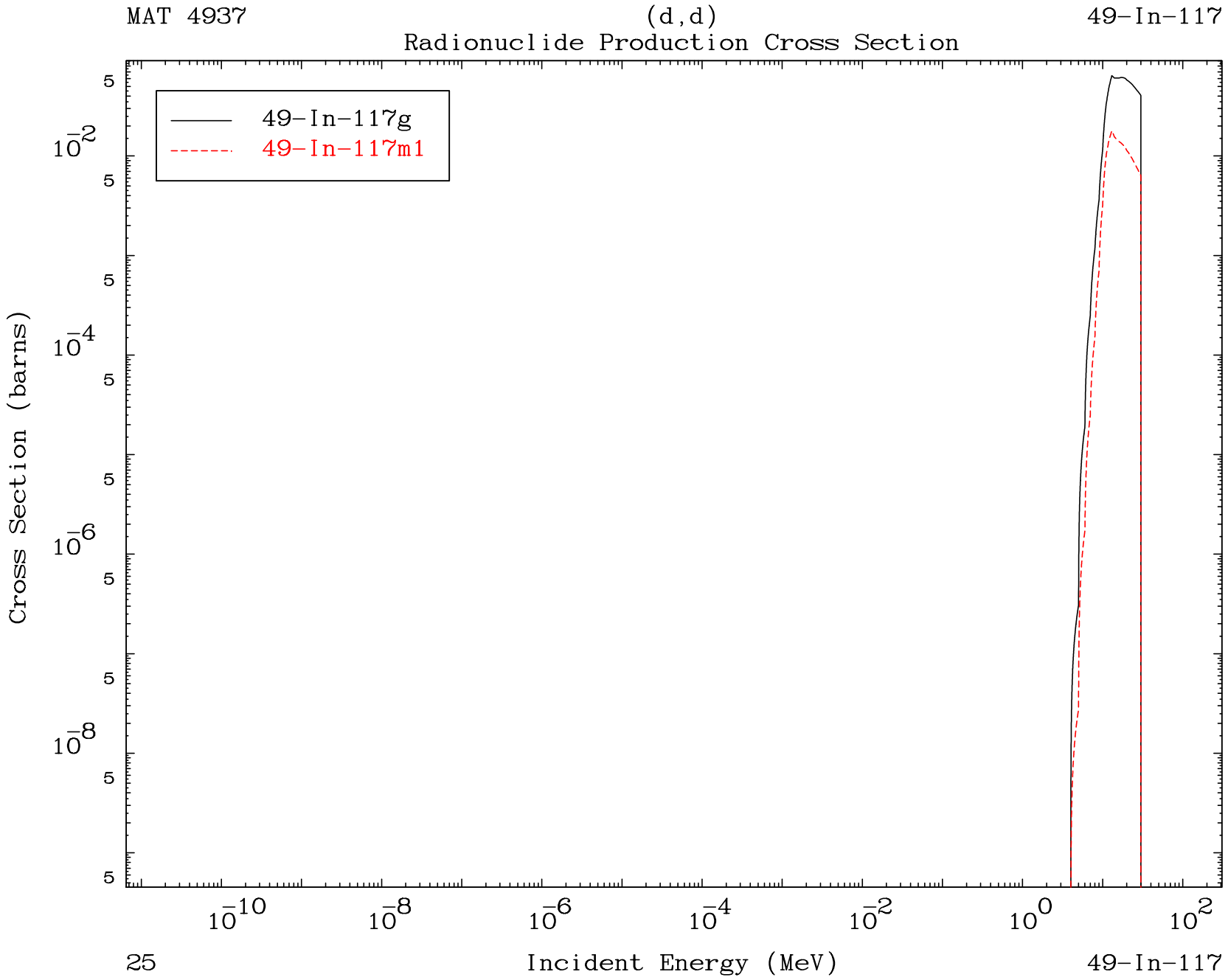

MAT 4937
(d,2n) p
49-In-117
Radionuclide Production Cross Section
49-In-116g
49-In-116m1
49-In-116m4
Cross Section (barns)
Incident Energy (MeV)
20
49-In-117

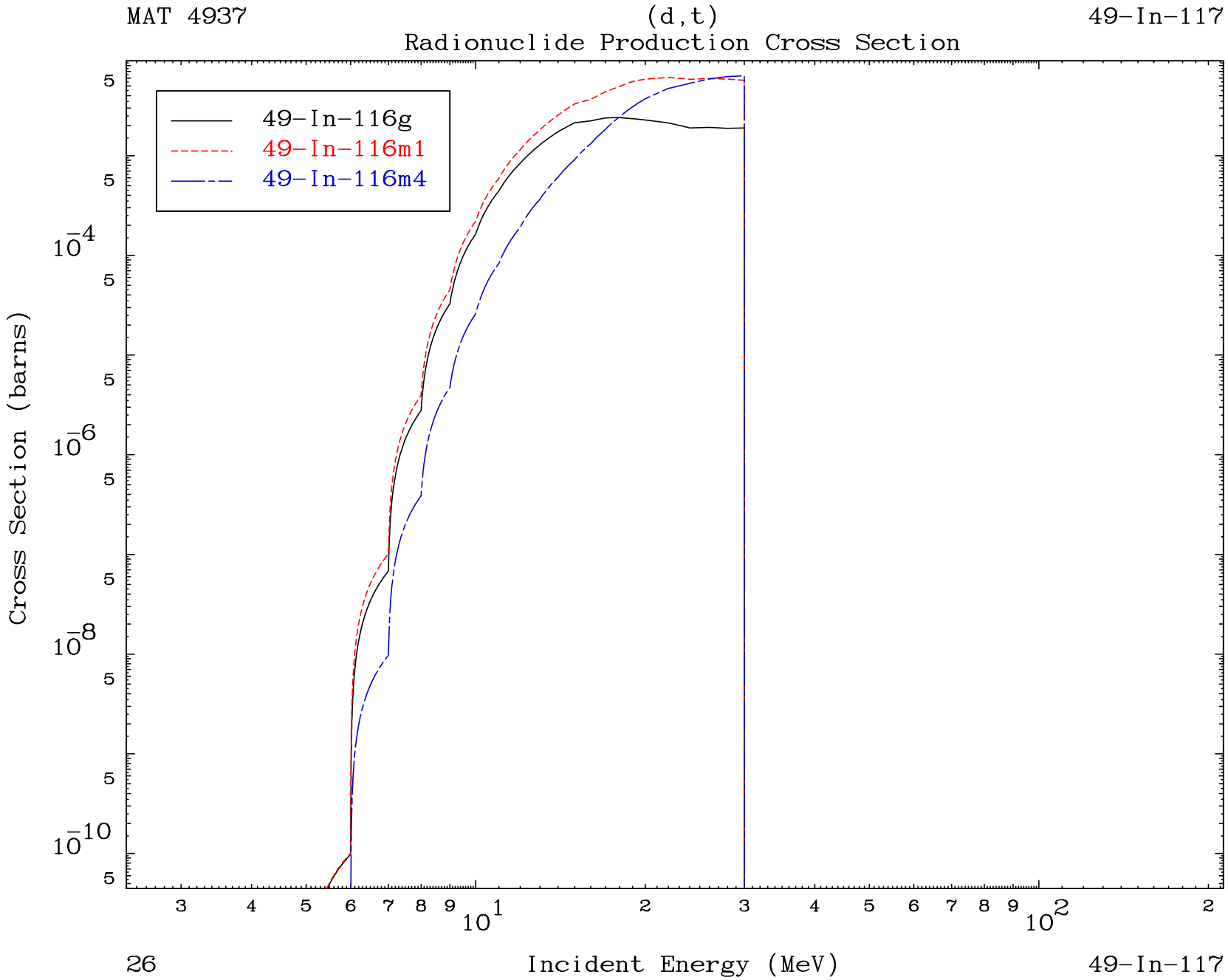

MAT 4937
(d,3n) p
49-In-117
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
49-In-117

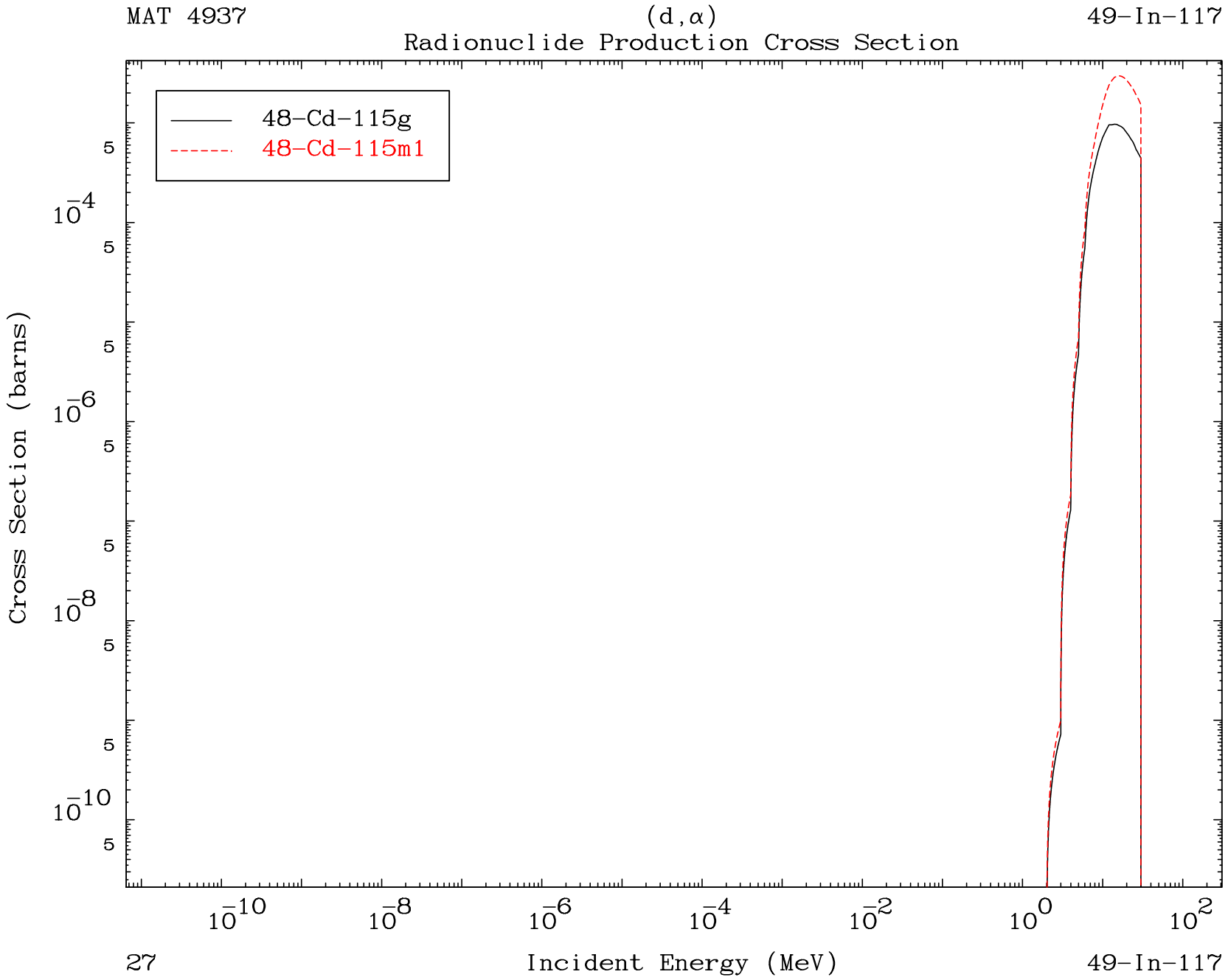

MAT 4937
(d,n') p α
49-In-117
Radionuclide Production Cross Section
47-Ag-113g
47-Ag-113m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
22
Incident Energy (MeV)
49-In-117

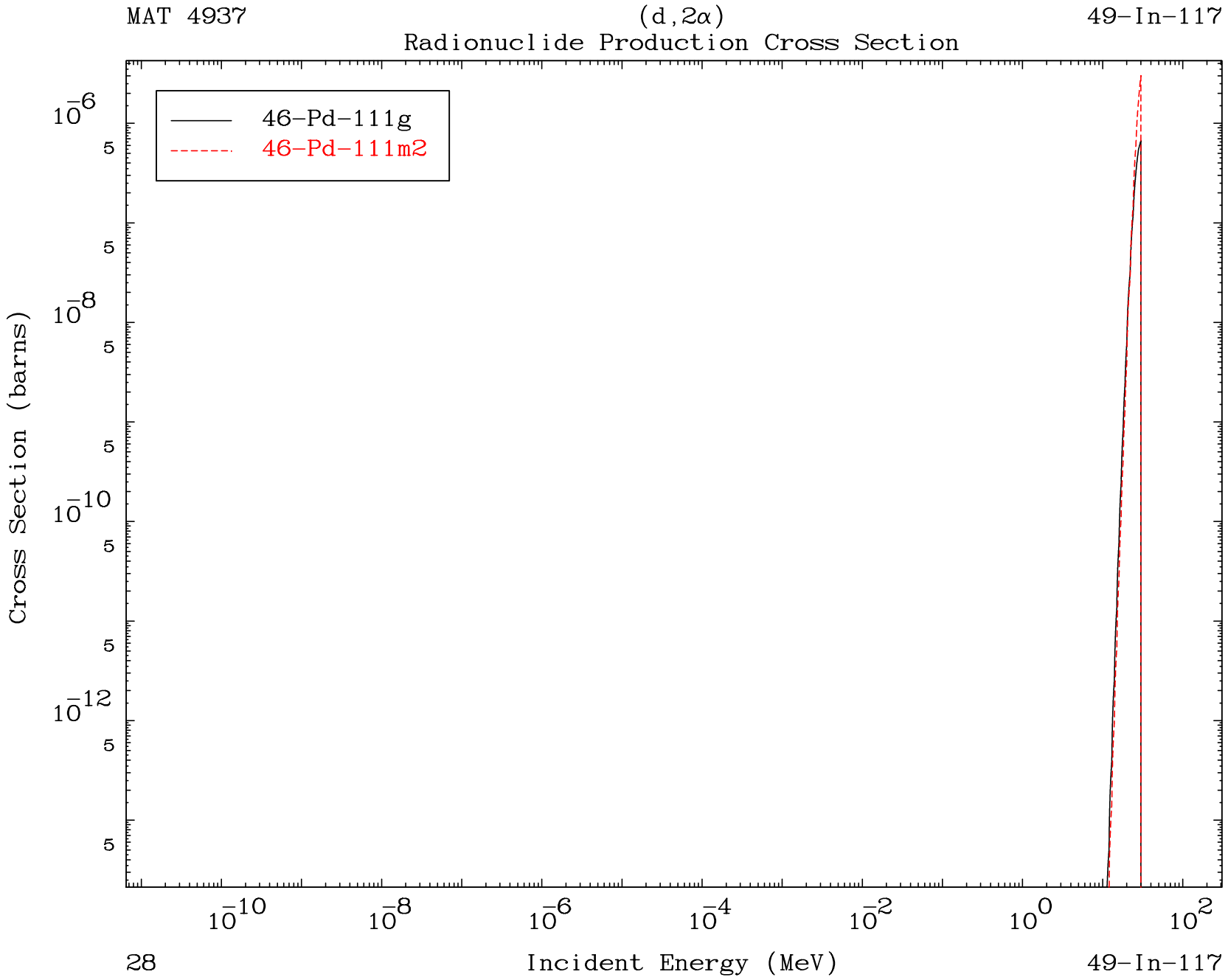

MAT 4937
(d,γ)
49-In-117
Radionuclide Production Cross Section
50-Sn-119g
50-Sn-119m2
Cross Section (barns)
Incident Energy (MeV)
23
49-In-117

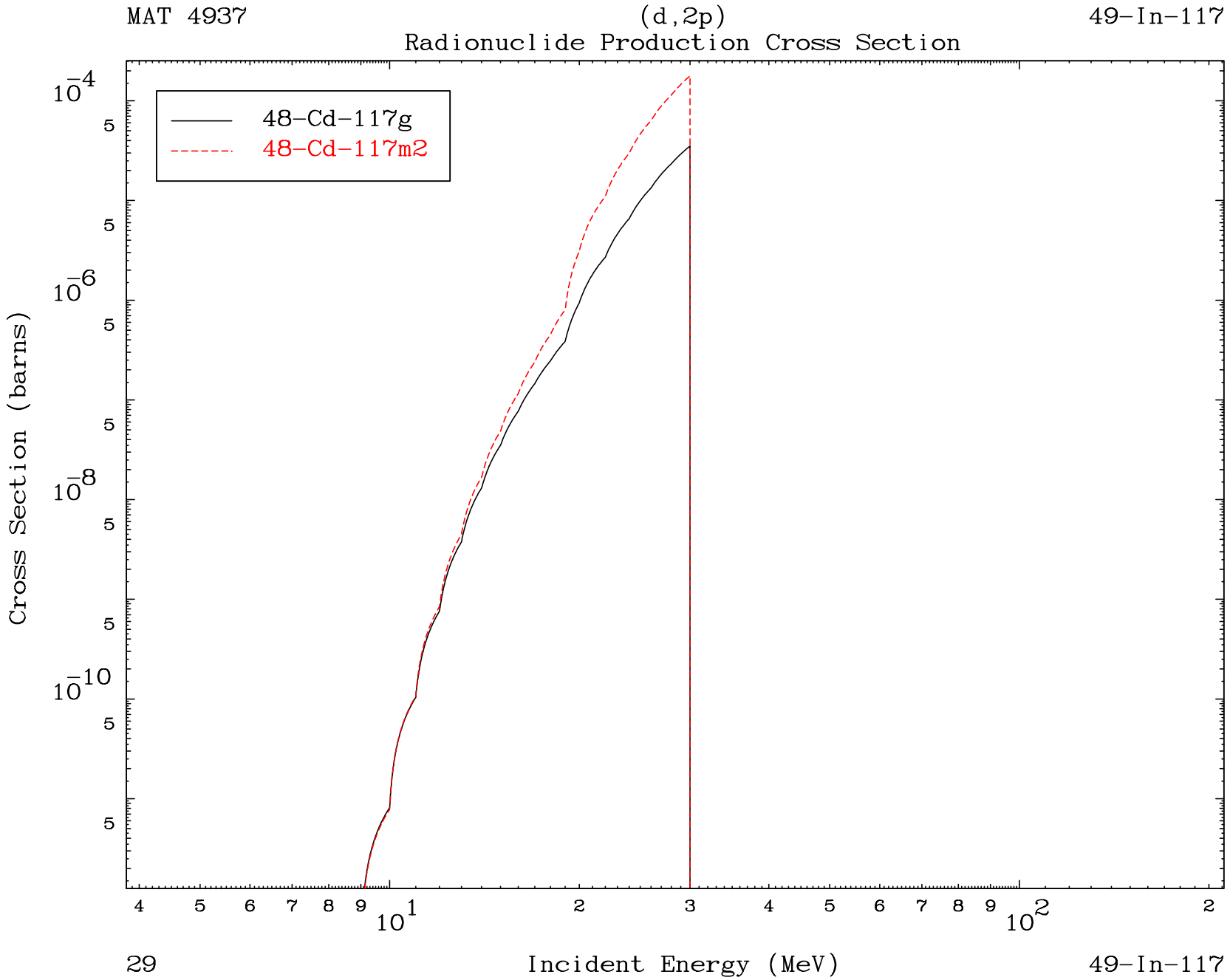

MAT 4937
(d,p)
49-In-117
Radionuclide Production Cross Section
49-In-118g
49-In-118m1
49-In-118m3
Cross Section (barns)
Incident Energy (MeV)
24
49-In-117

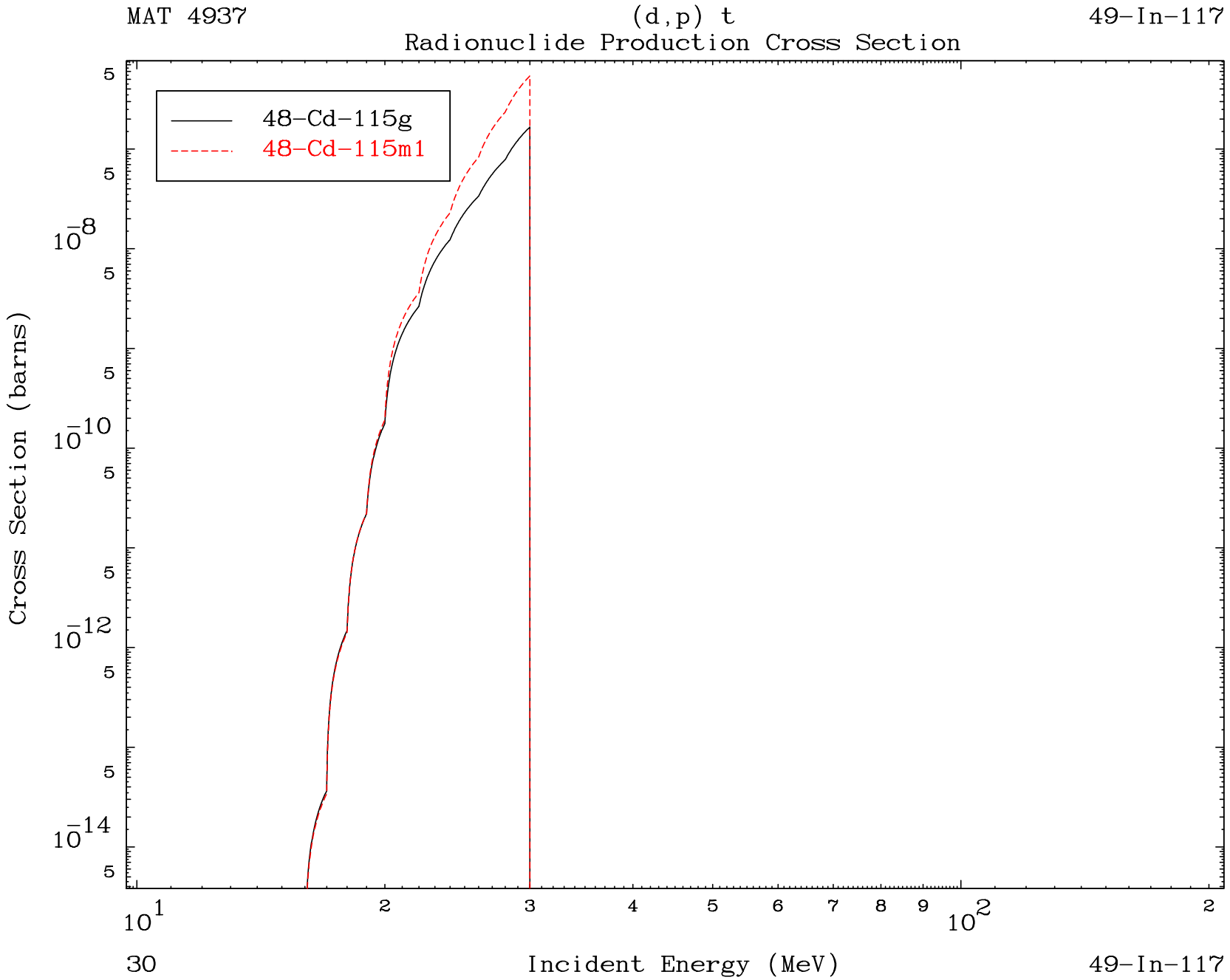

MAT 4937
(d,d)
49-In-117
Radionuclide Production Cross Section
49-In-117g
49-In-117m1
Cross Section (barns)
Incident Energy (MeV)
25
49-In-117

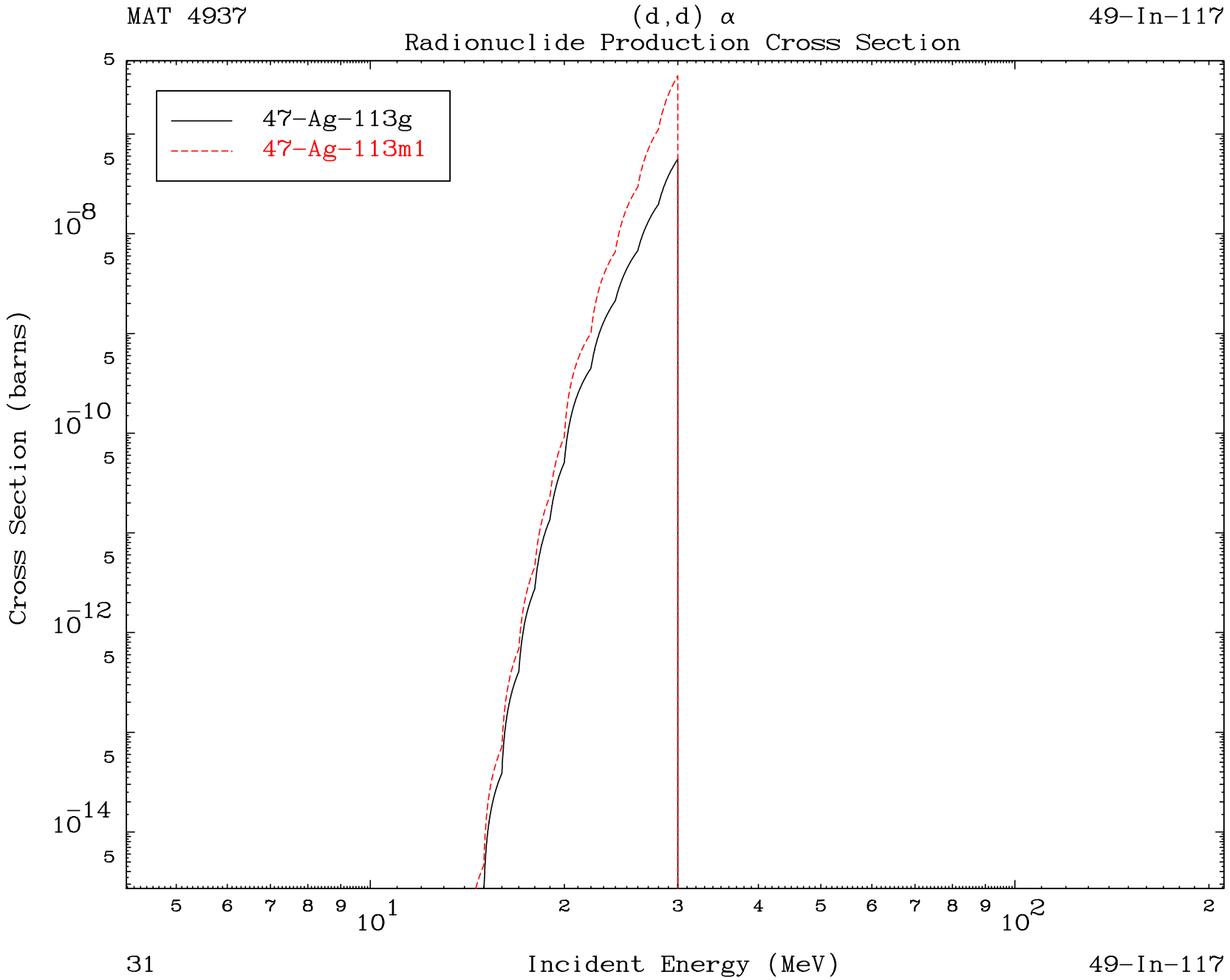

MAT 4937
(d,t)
49-In-117
Radionuclide Production Cross Section
49-In-116g
49-In-116m1
49-In-116m4
Cross Section (barns)
Incident Energy (MeV)
26
49-In-117


MAT 4937
(d,α)
49-In-117
Radionuclide Production Cross Section
48-Cd-115g
48-Cd-115m1
Cross Section (barns)
Incident Energy (MeV)
27
49-In-117


MAT 4937
(d,2α)
49-In-117
Radionuclide Production Cross Section
46-Pd-111g
46-Pd-111m2
Cross Section (barns)
Incident Energy (MeV)
28
49-In-117


MAT 4937
(d,2p)
49-In-117
Radionuclide Production Cross Section
48-Cd-117g
48-Cd-117m2
Cross Section (barns)
Incident Energy (MeV)
29
49-In-117


MAT 4937
(d,p) t
49-In-117
Radionuclide Production Cross Section
48-Cd-115g
48-Cd-115m1
Cross Section (barns)
Incident Energy (MeV)
30
49-In-117


MAT 4937
(d,d) α
49-In-117
Radionuclide Production Cross Section
47-Ag-113g
47-Ag-113m1
Cross Section (barns)
Incident Energy (MeV)
31
49-In-117