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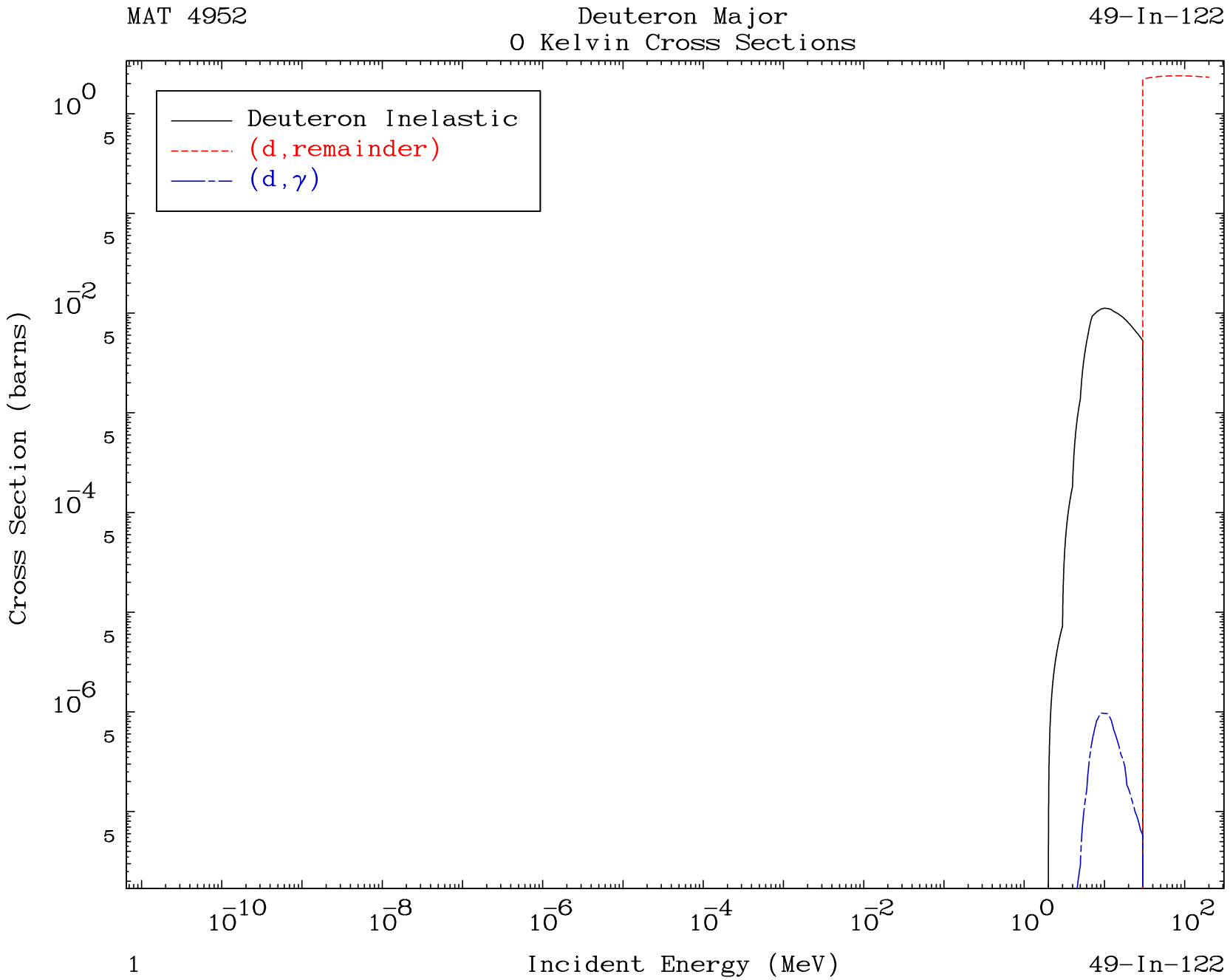
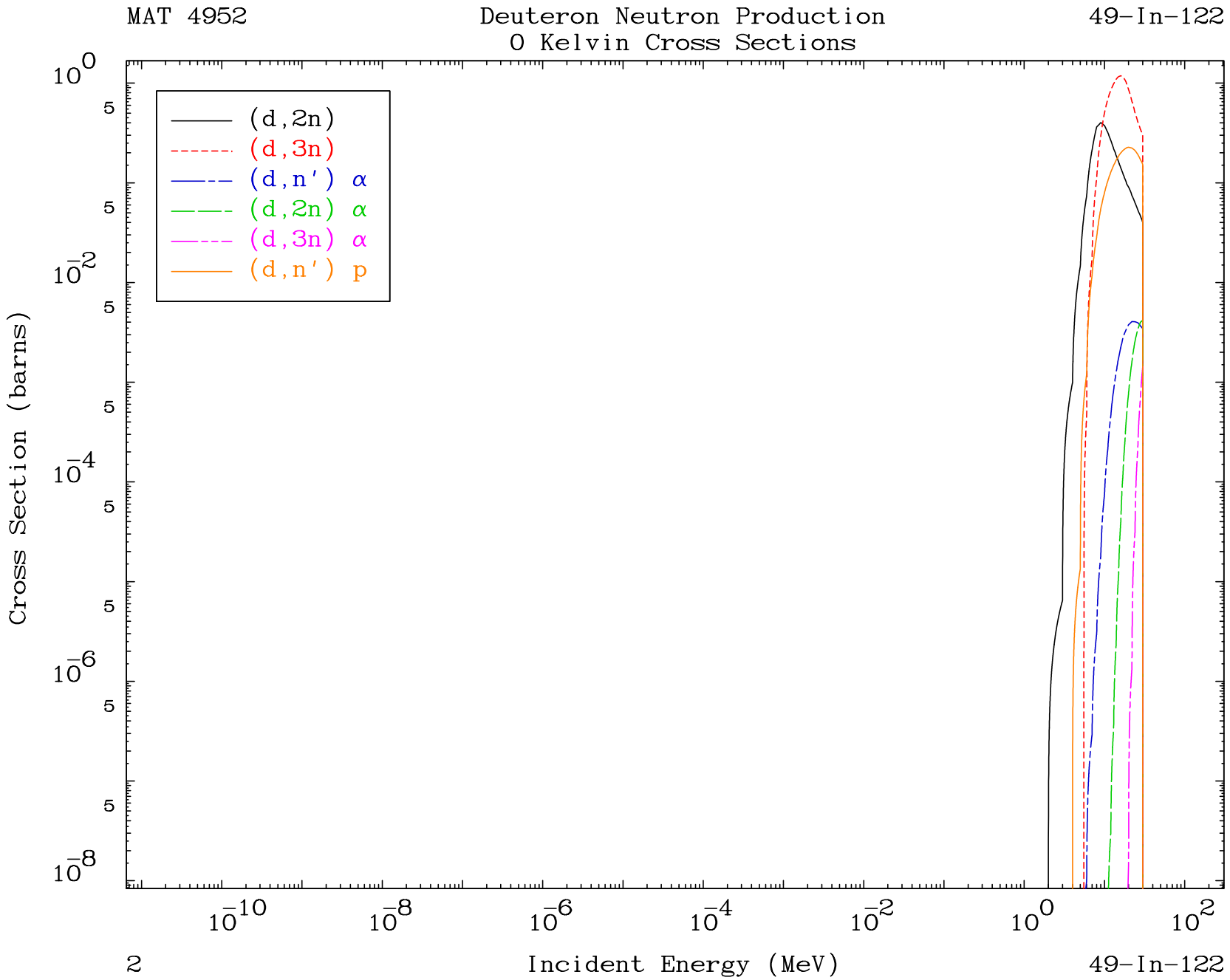
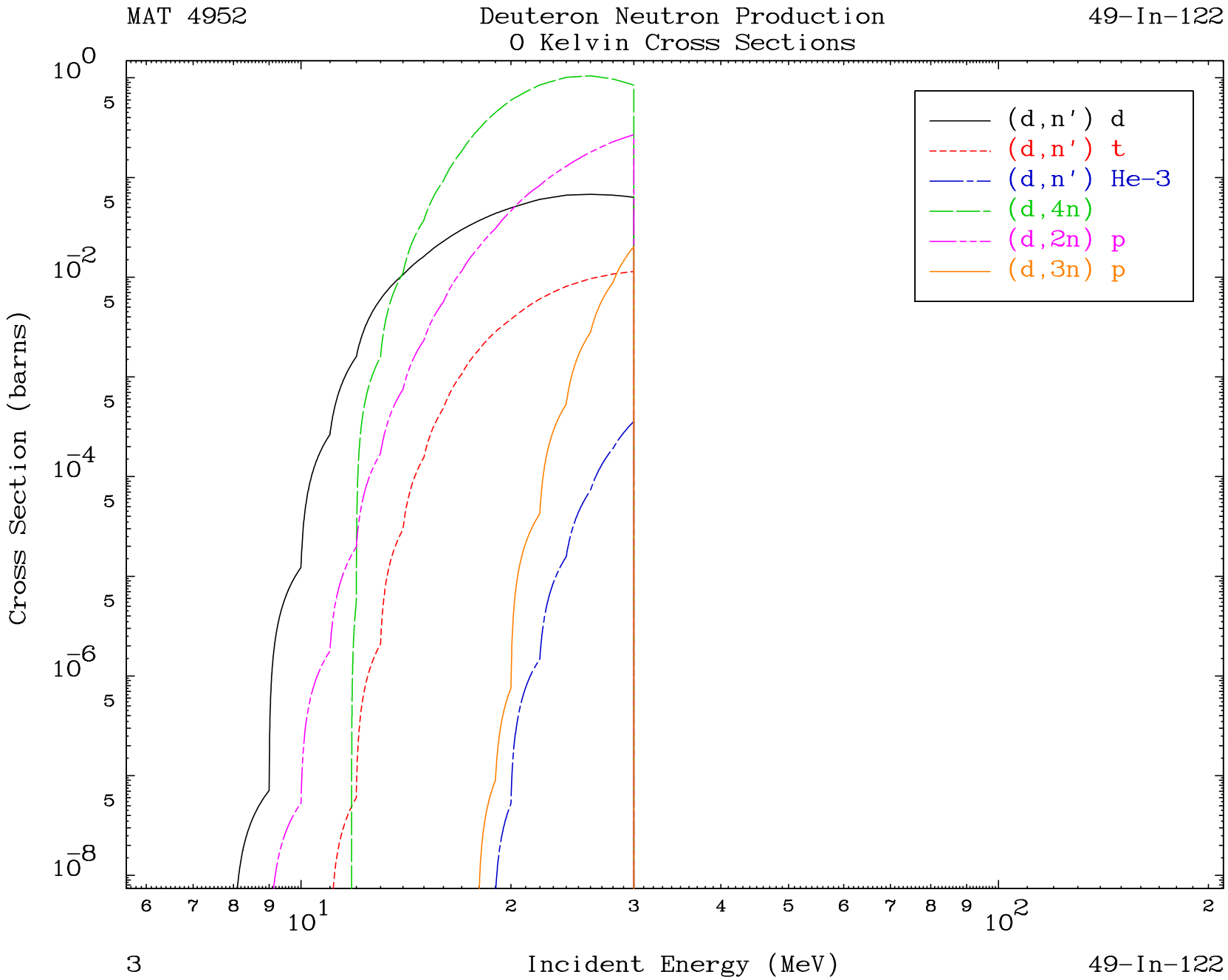
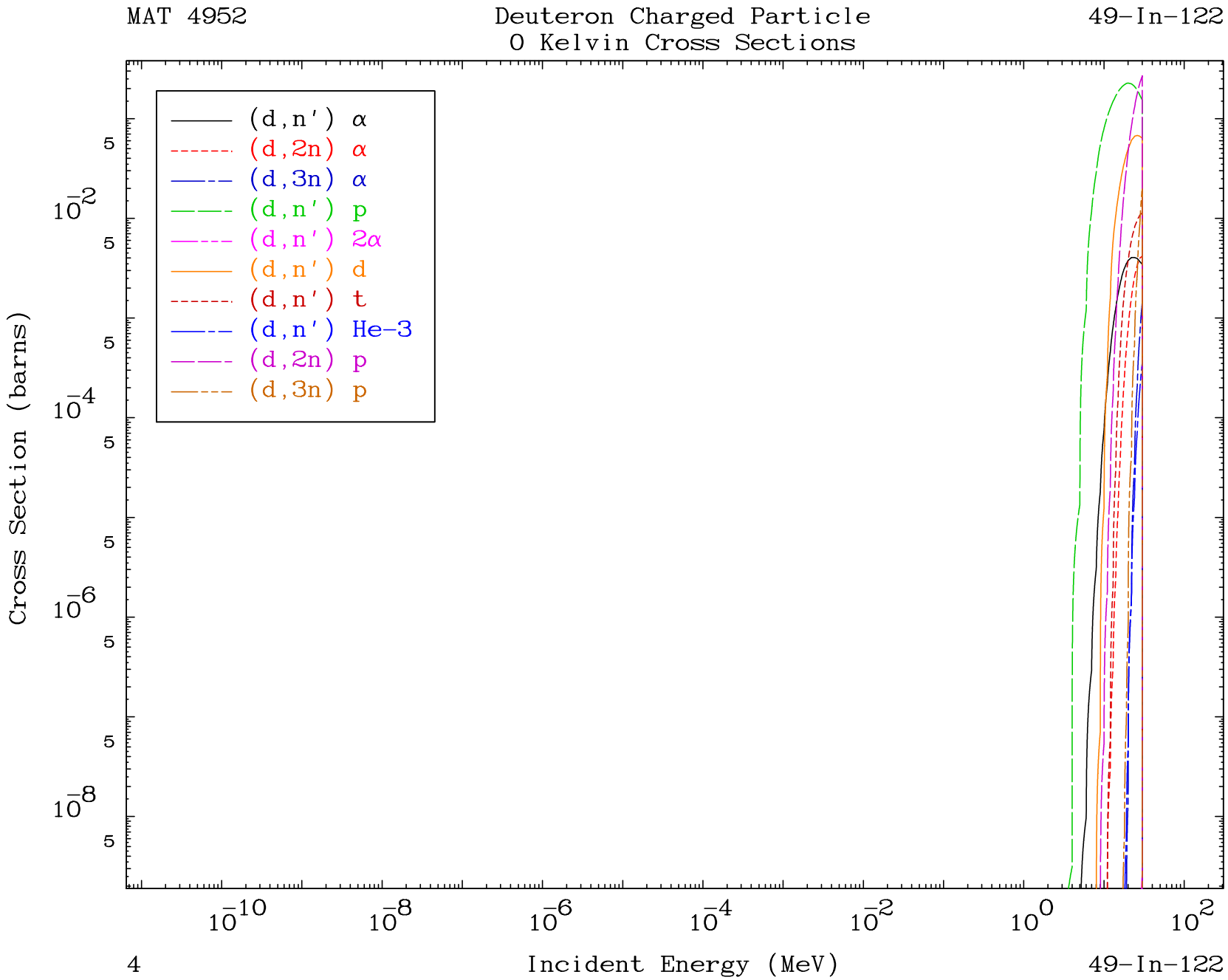
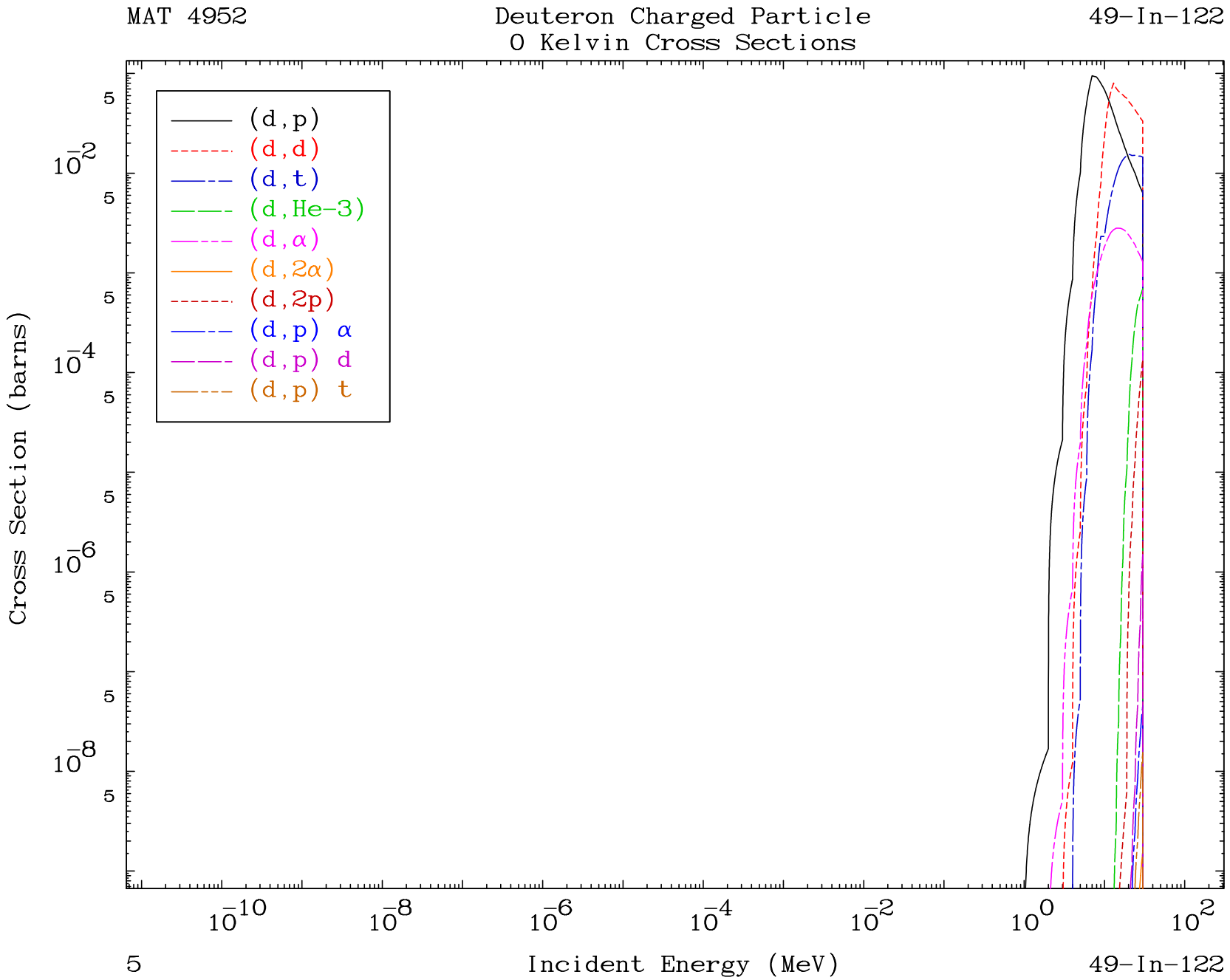
Press Mouse Button to Start

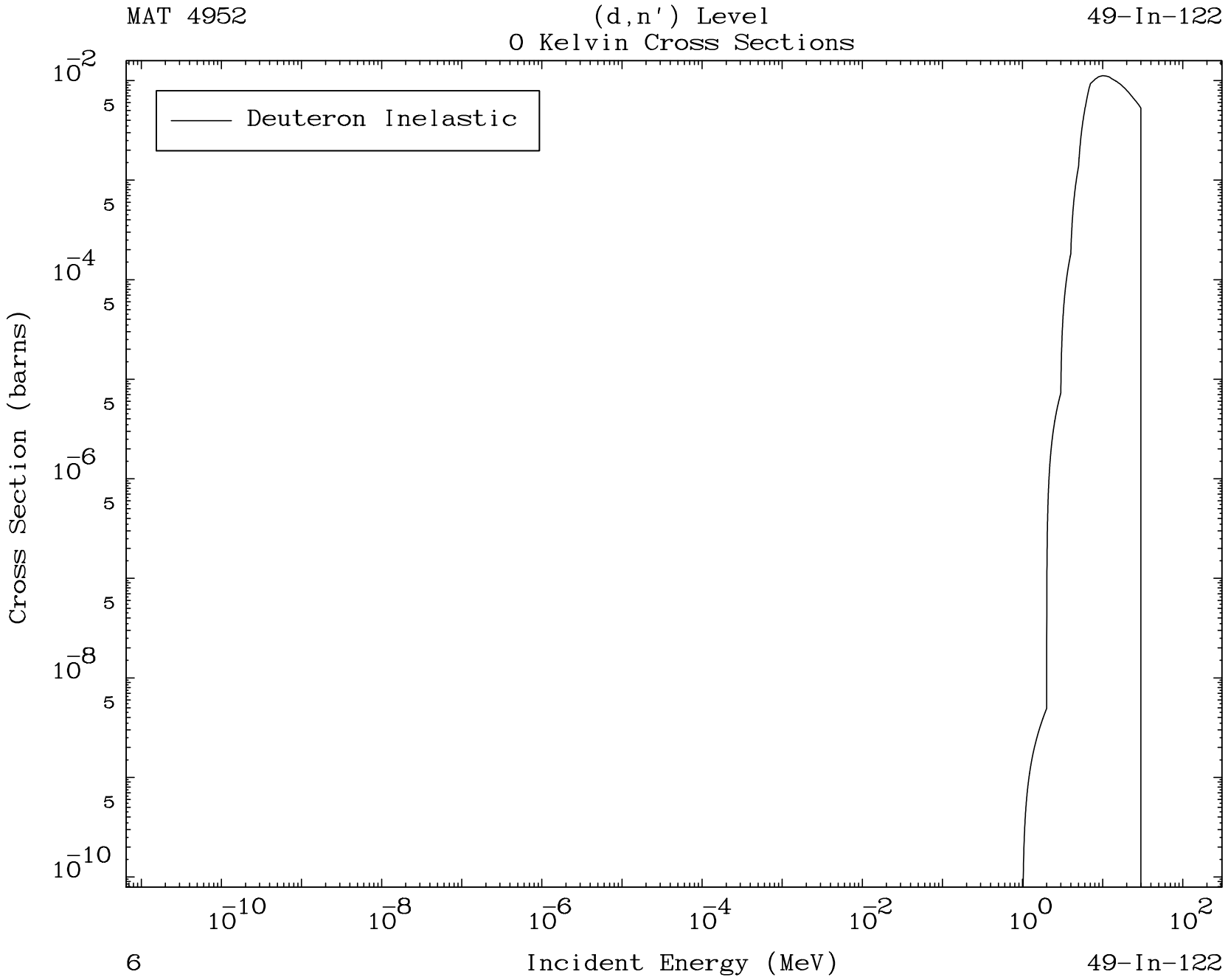

MAT 4952
Deuteron Major
49-In-122
0 Kelvin Cross Sections
Deuteron Inelastic
(d,remainder)
(d,γ)
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
1
49-In-122

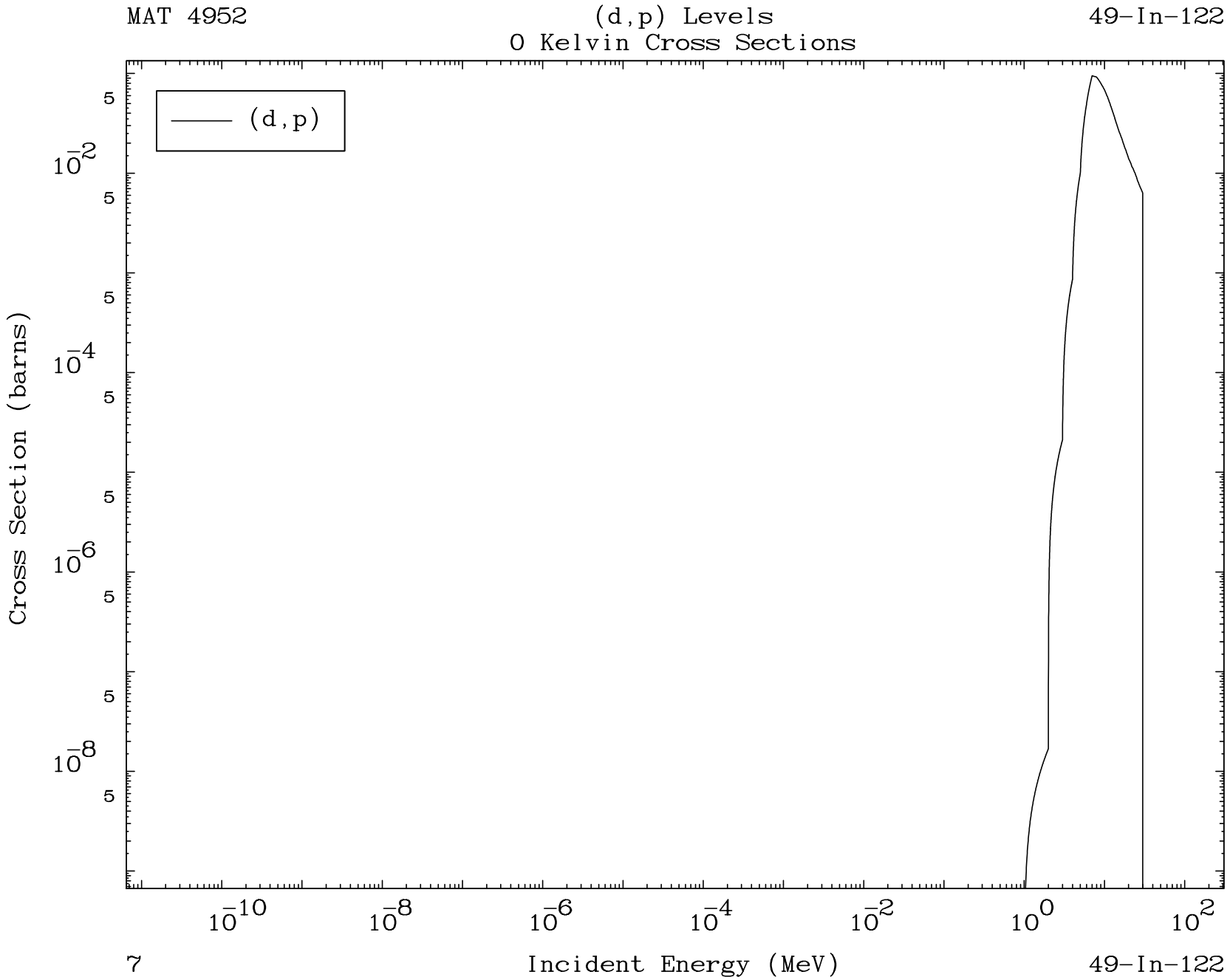

MAT 4952
Deuteron Neutron Production
0 Kelvin Cross Sections
49-In-122
(d,2n)
(d,3n)
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
Cross Section (barns)
Incident Energy (MeV)
2
49-In-122

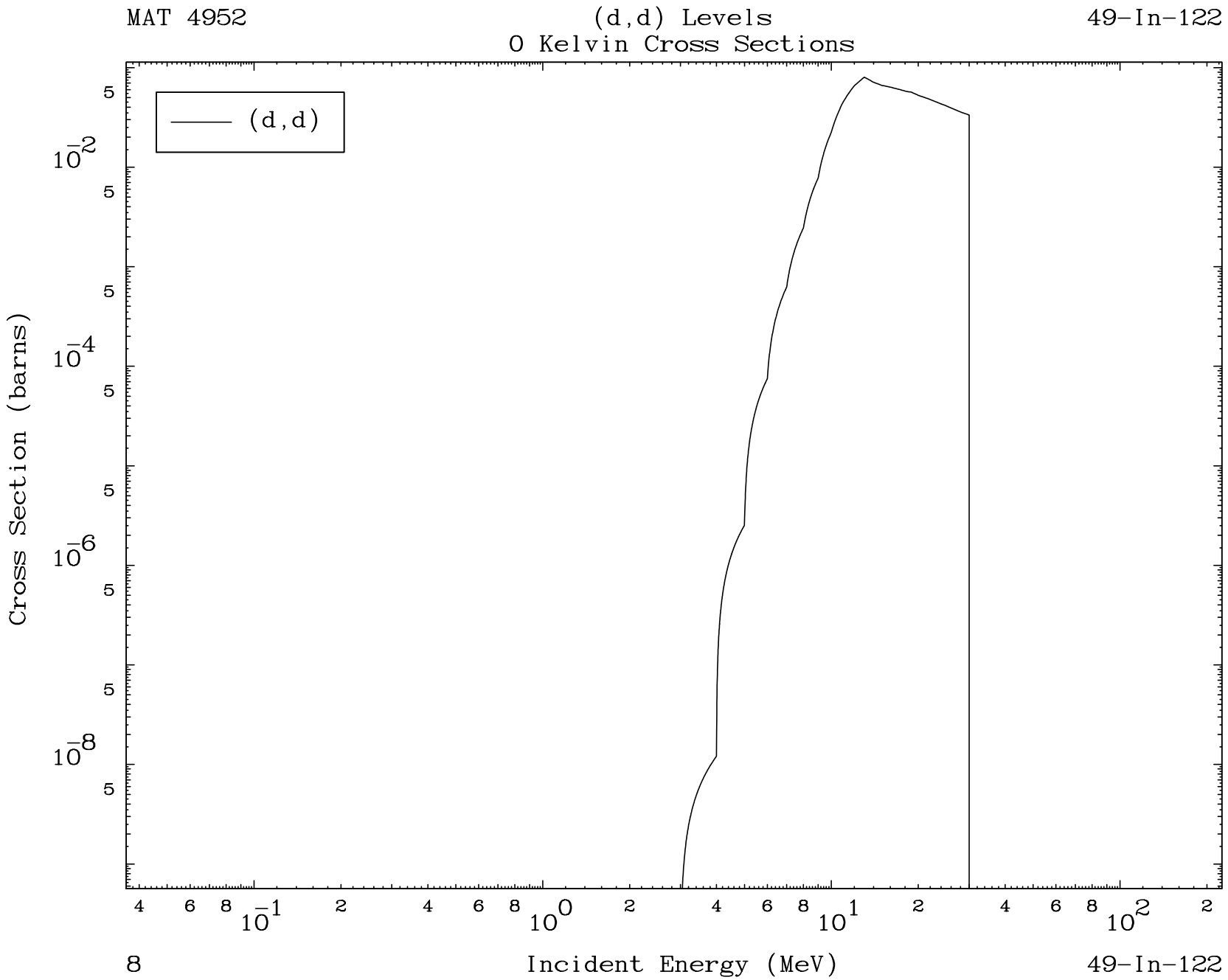

MAT 4952
Deuteron Neutron Production
0 Kelvin Cross Sections
49-In-122
(d,n') d
(d,n') t
(d,n') He-3
(d,4n)
(d,2n) p
(d,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
49-In-122


MAT 4952
Deuteron Charged Particle
0 Kelvin Cross Sections
49-In-122
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 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-122


MAT 4952
Deuteron Charged Particle
0 Kelvin Cross Sections
49-In-122
(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-122


MAT 4952
(d,n') Level
49-In-122
0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
49-In-122


MAT 4952
(d,p) Levels
49-In-122
0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
Incident Energy (MeV)
7
49-In-122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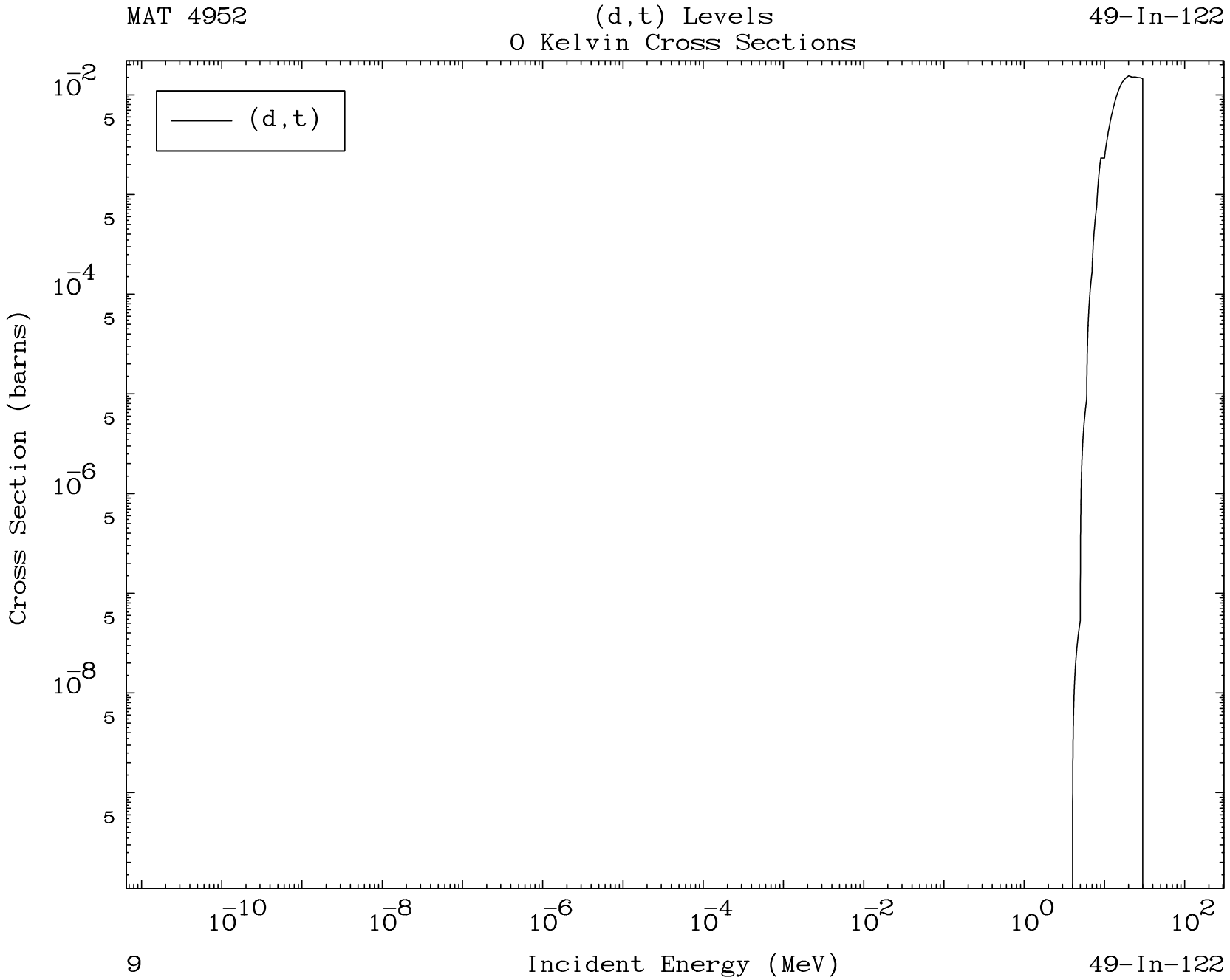
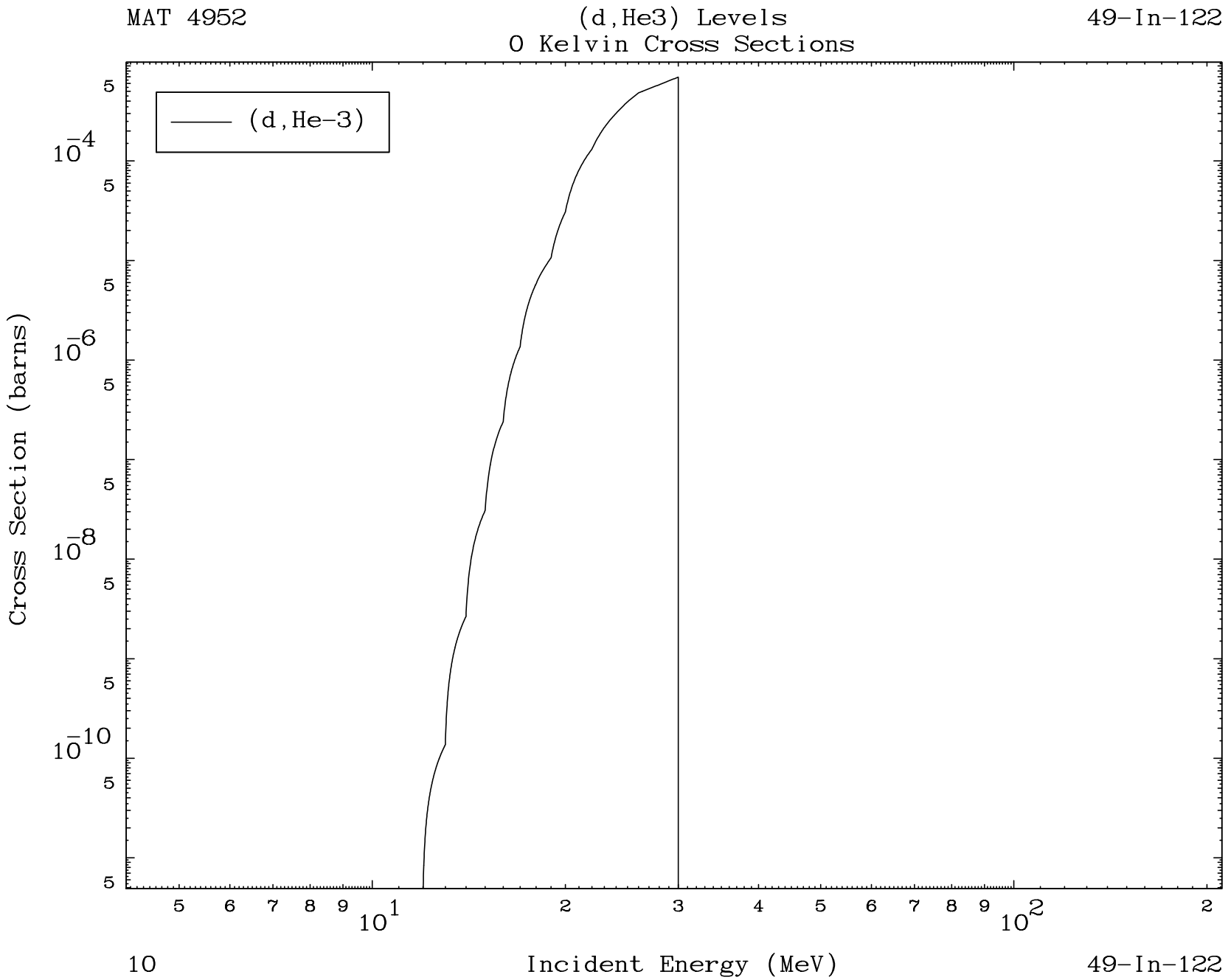
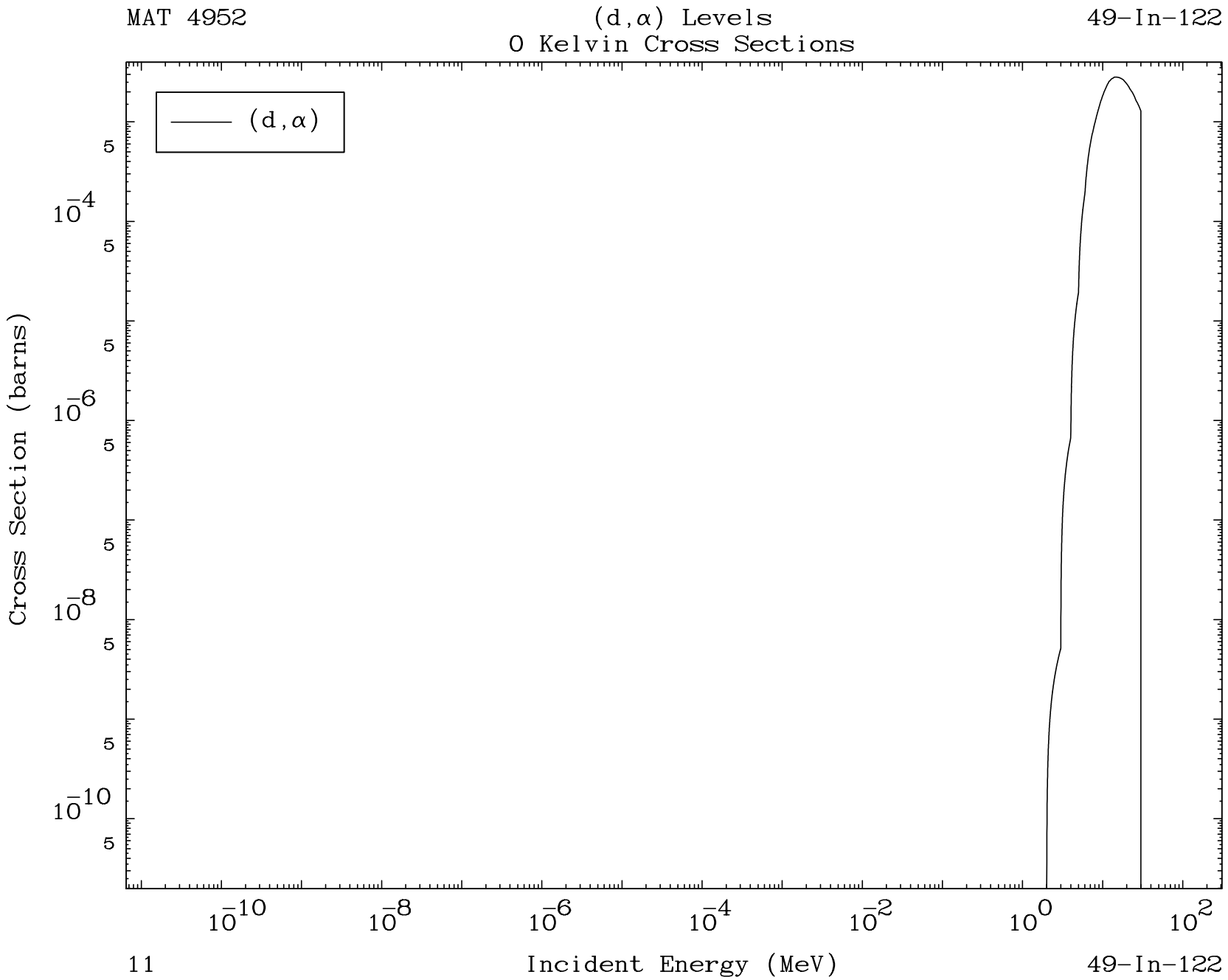
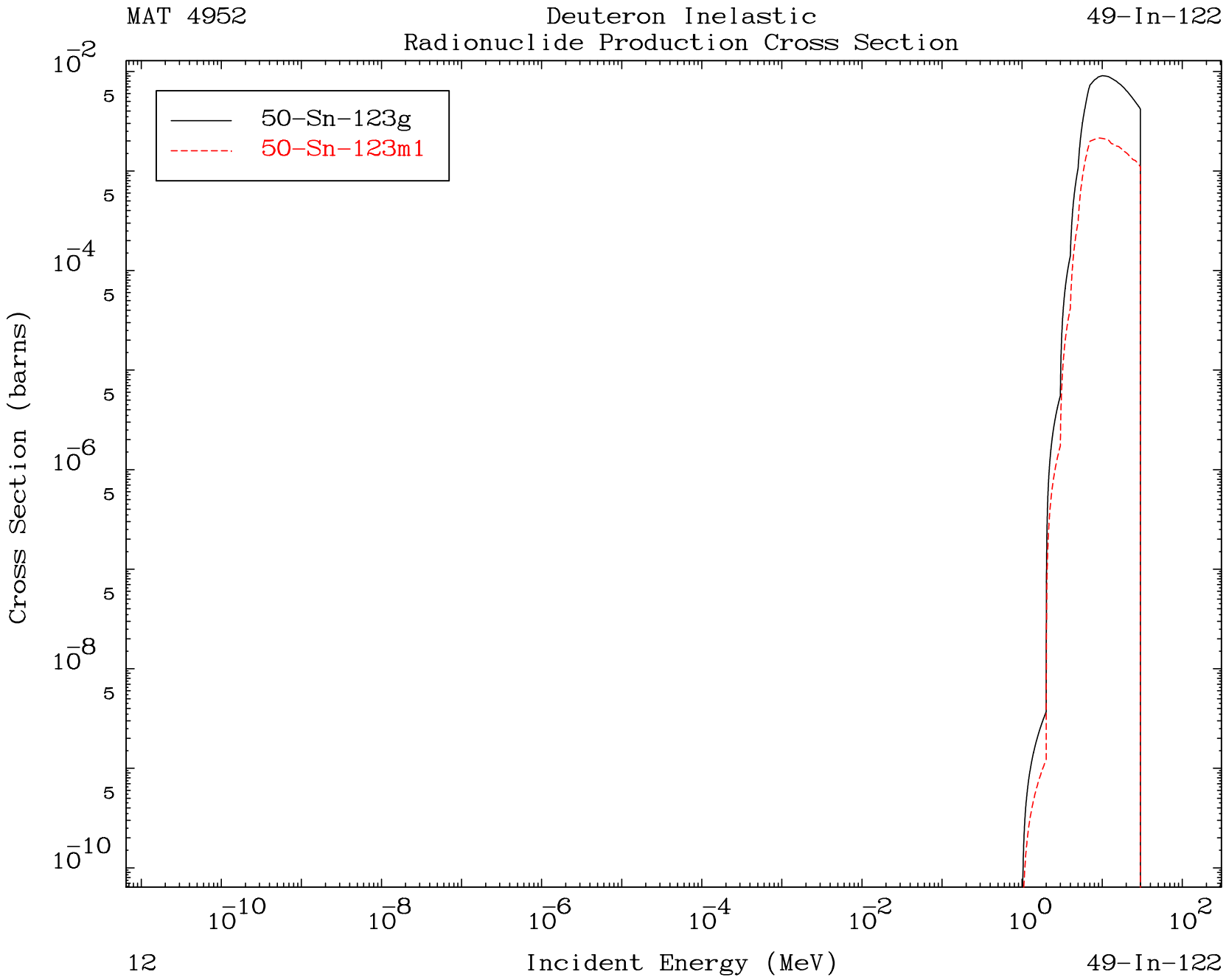
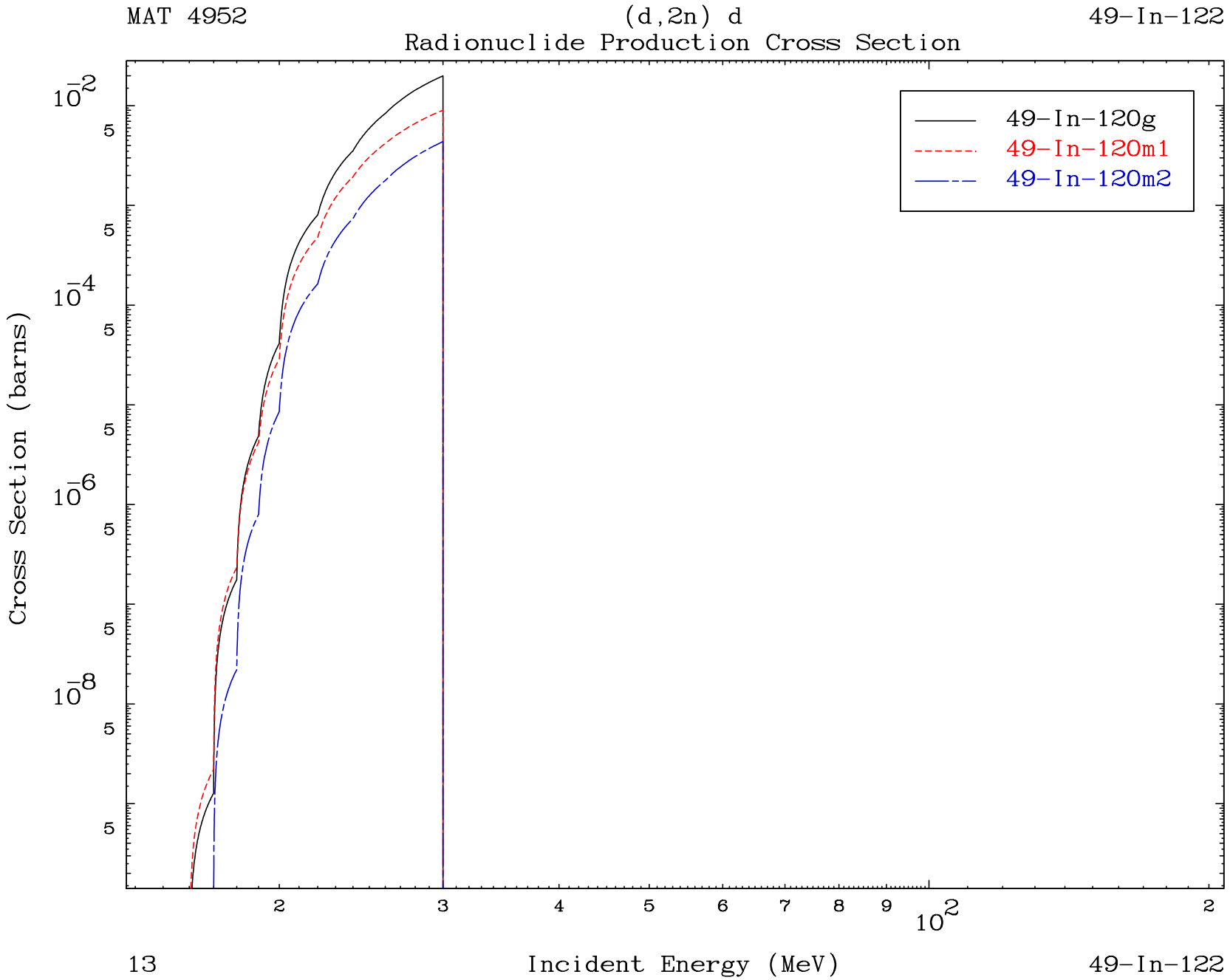
(d,d) Levels
49-In-122
0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
Incident Energy (MeV)
49-In-122

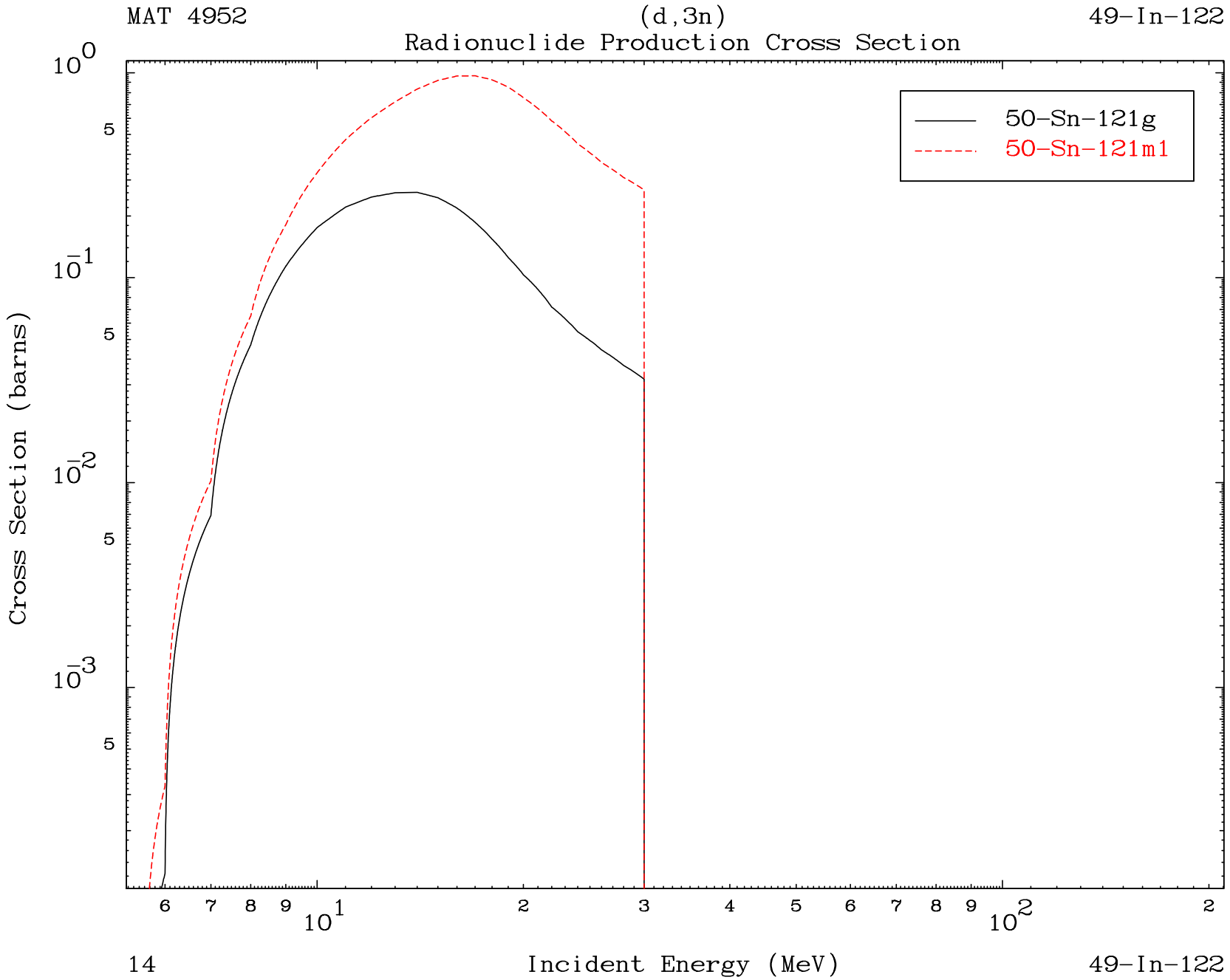

MAT 4952
(d,t) Levels
49-In-122
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
Incident Energy (MeV)
9
49-In-122

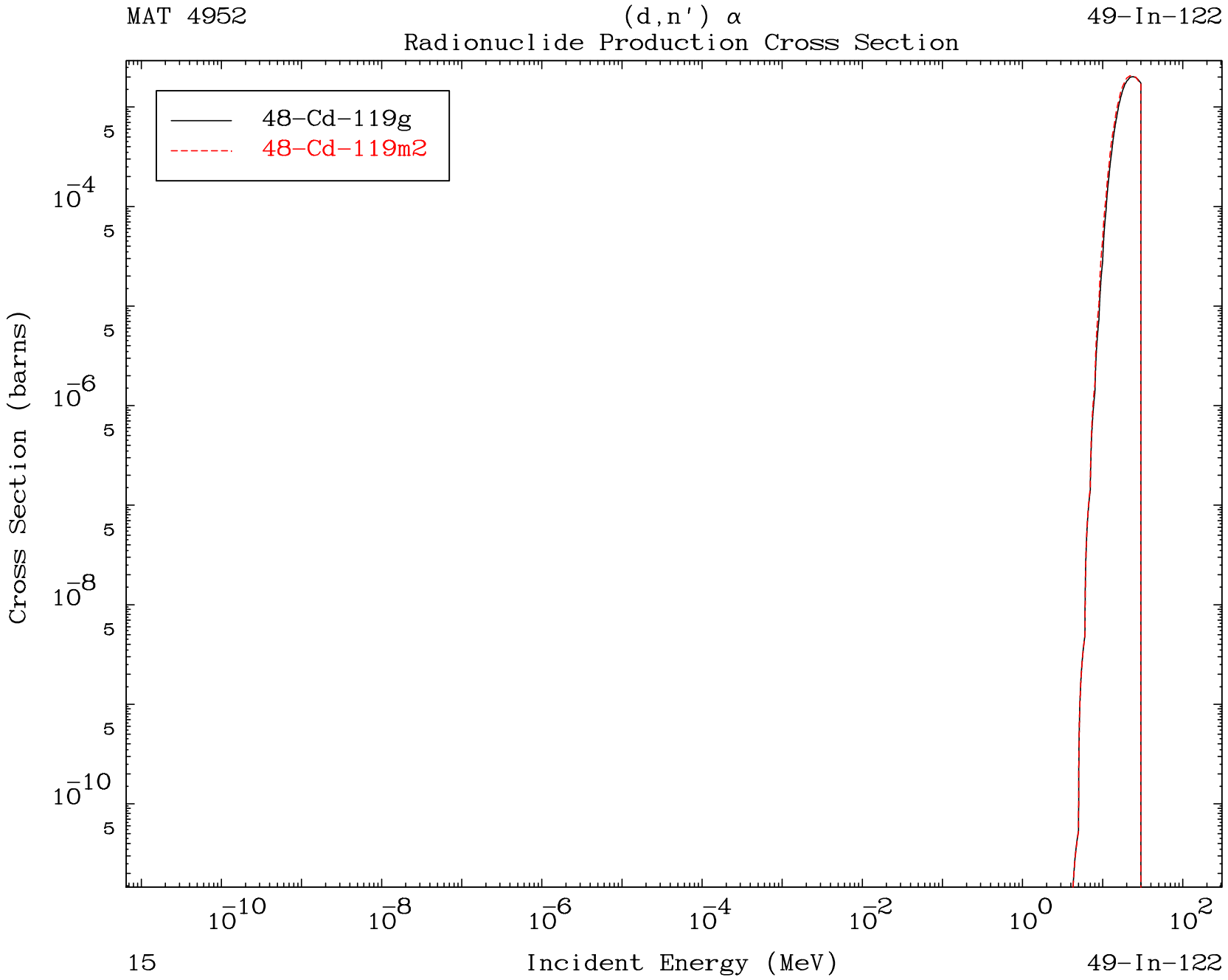

MAT 4952
(d,He3) Levels
49-In-122
0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
49-In-122

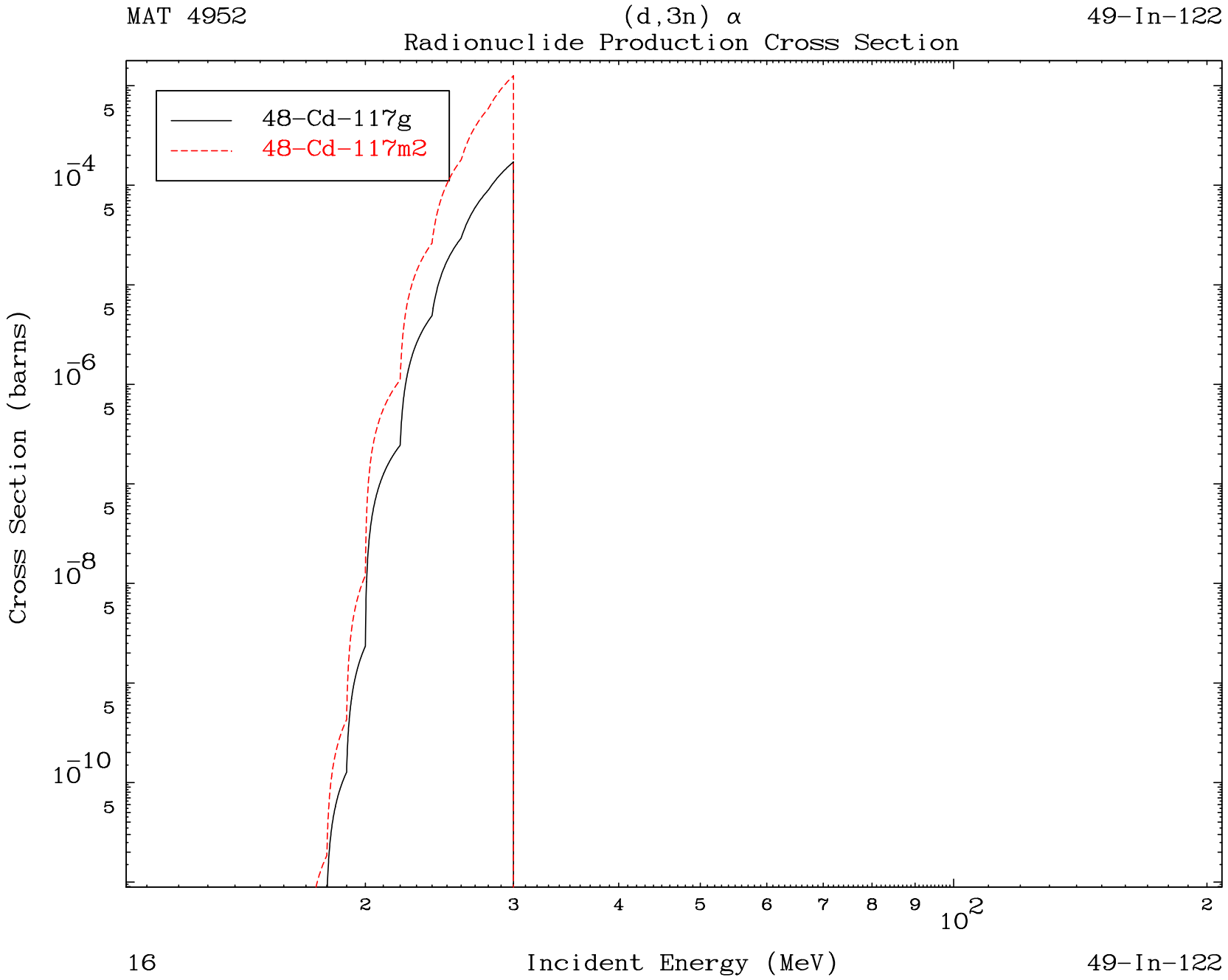

MAT 4952
(d,α) Levels
49-In-122
0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
11
Incident Energy (MeV)
49-In-122

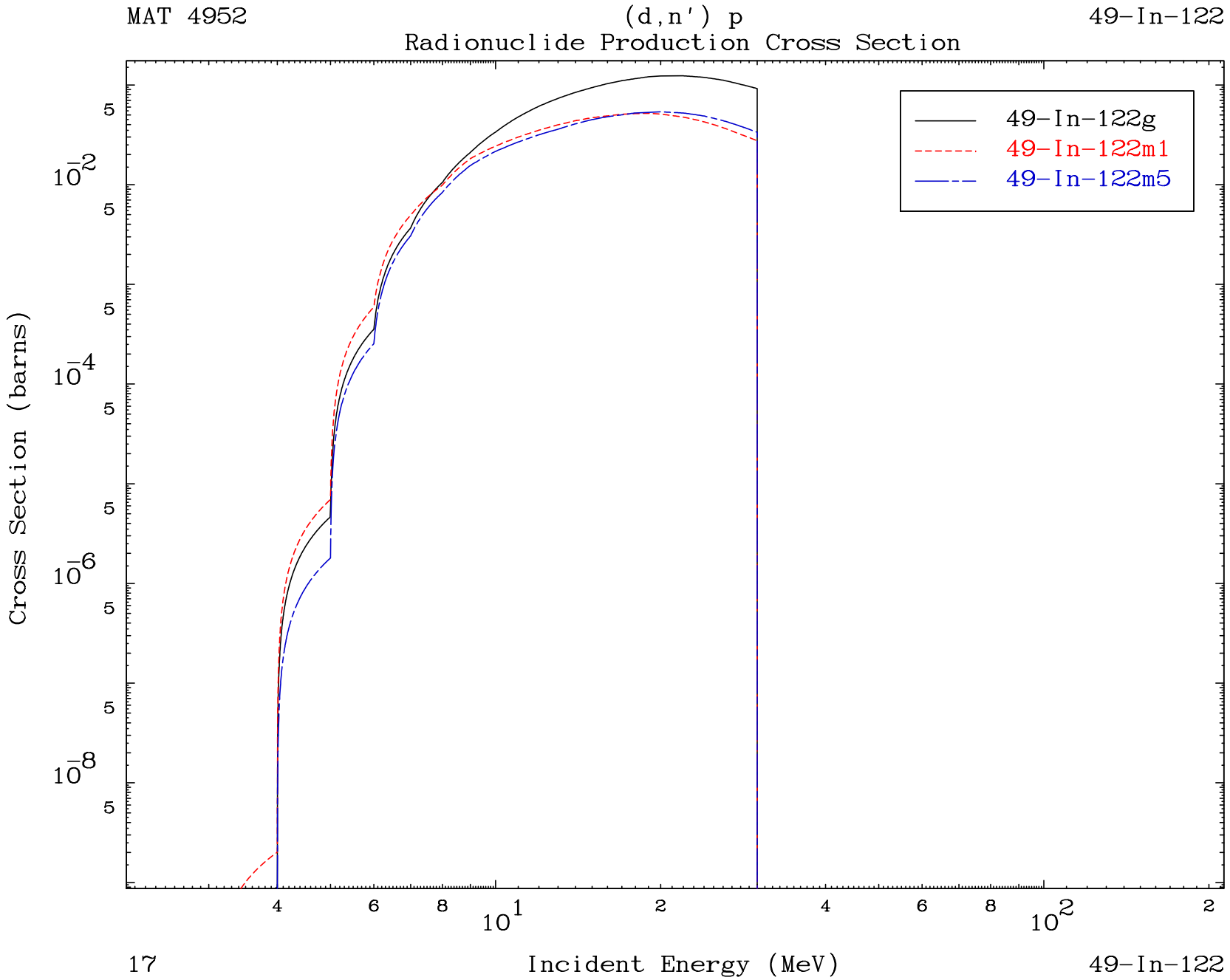

MAT 4952
Deuteron Inelastic
49-In-122
Radionuclide Production Cross Section
50-Sn-123g
50-Sn-123m1
Cross Section (barns)
Incident Energy (MeV)
12
49-In-122

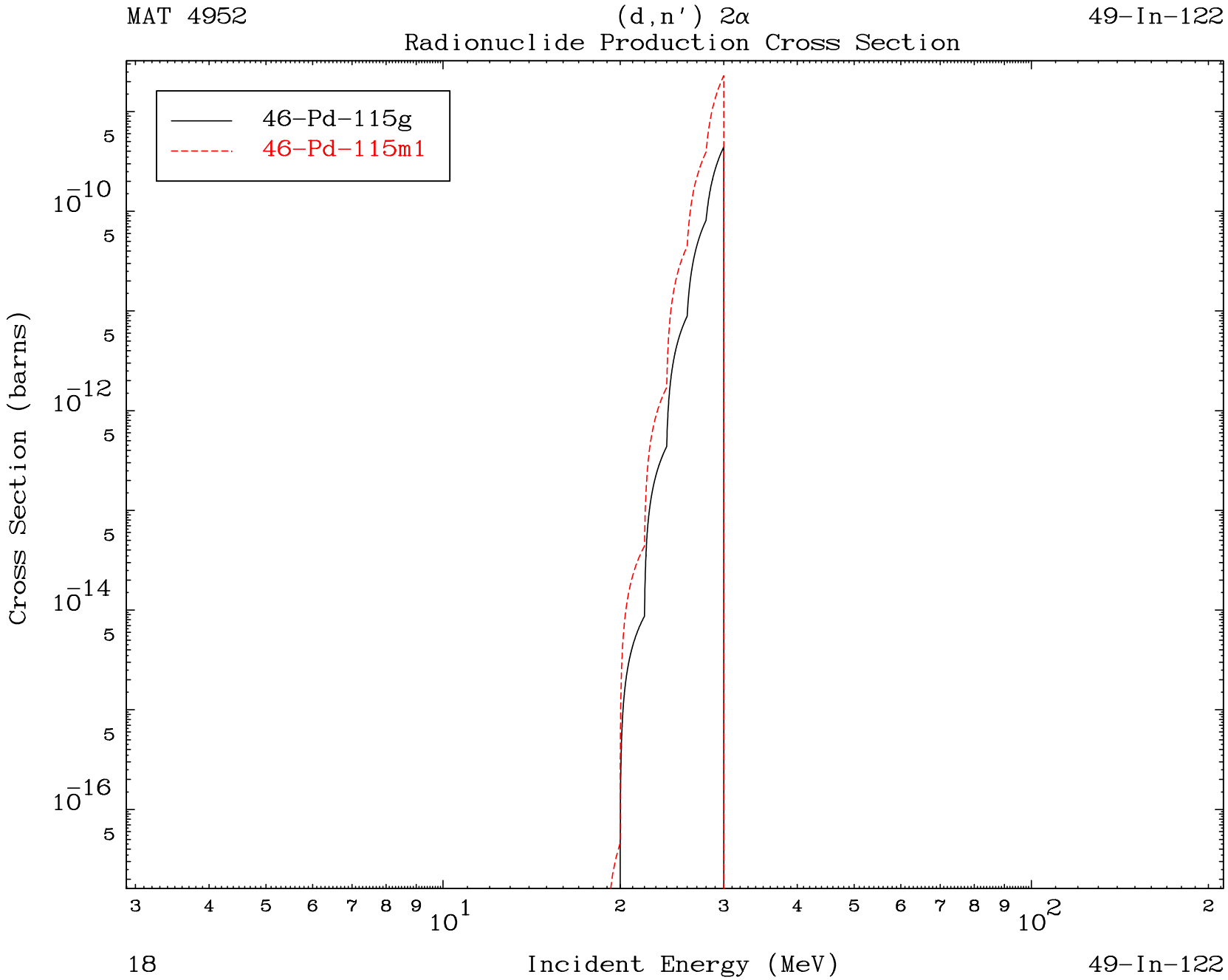

MAT 4952
(d,2n) d
49-In-122
Radionuclide Production Cross Section
49-In-120g
49-In-120m1
49-In-120m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
102
2
13
Incident Energy (MeV)
49-In-122

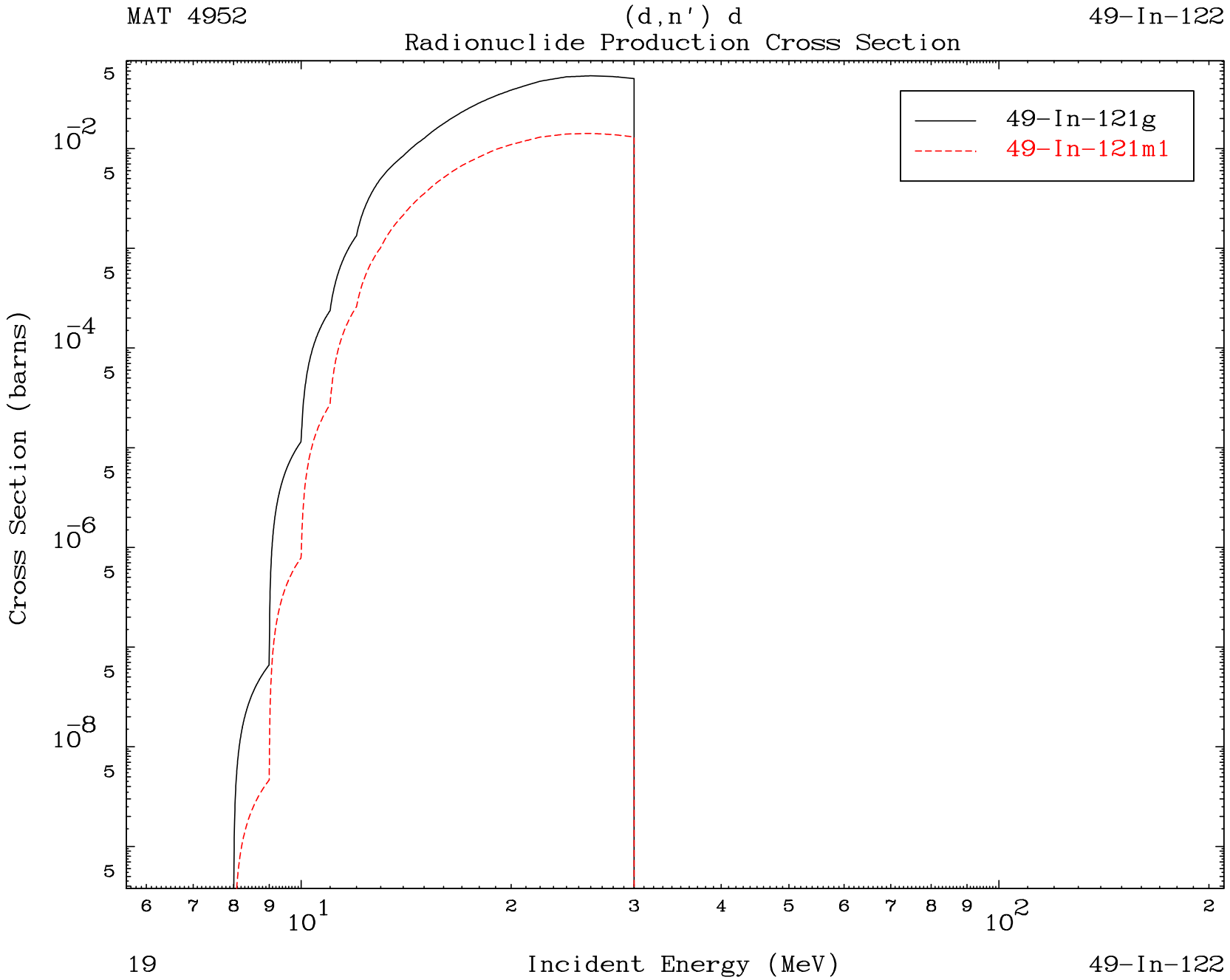

MAT 4952
(d,3n)
49-In-122
Radionuclide Production Cross Section
50-Sn-121g
50-Sn-121m1
Cross Section (barns)
Incident Energy (MeV)
14
49-In-122

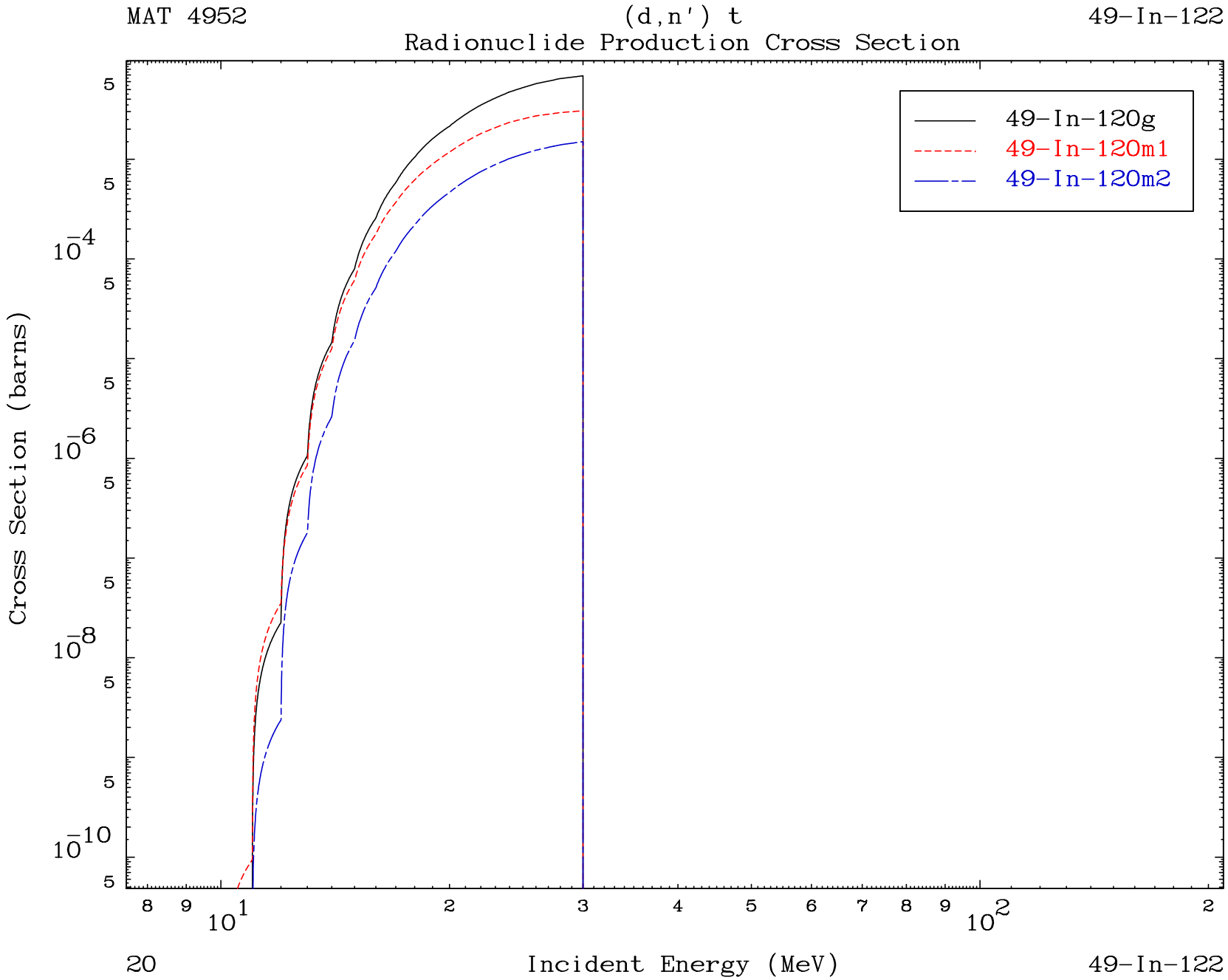

MAT 4952
(d,n') α
49-In-122
Radionuclide Production Cross Section
48-Cd-119g
48-Cd-119m2
Cross Section (barns)
Incident Energy (MeV)
15
49-In-122

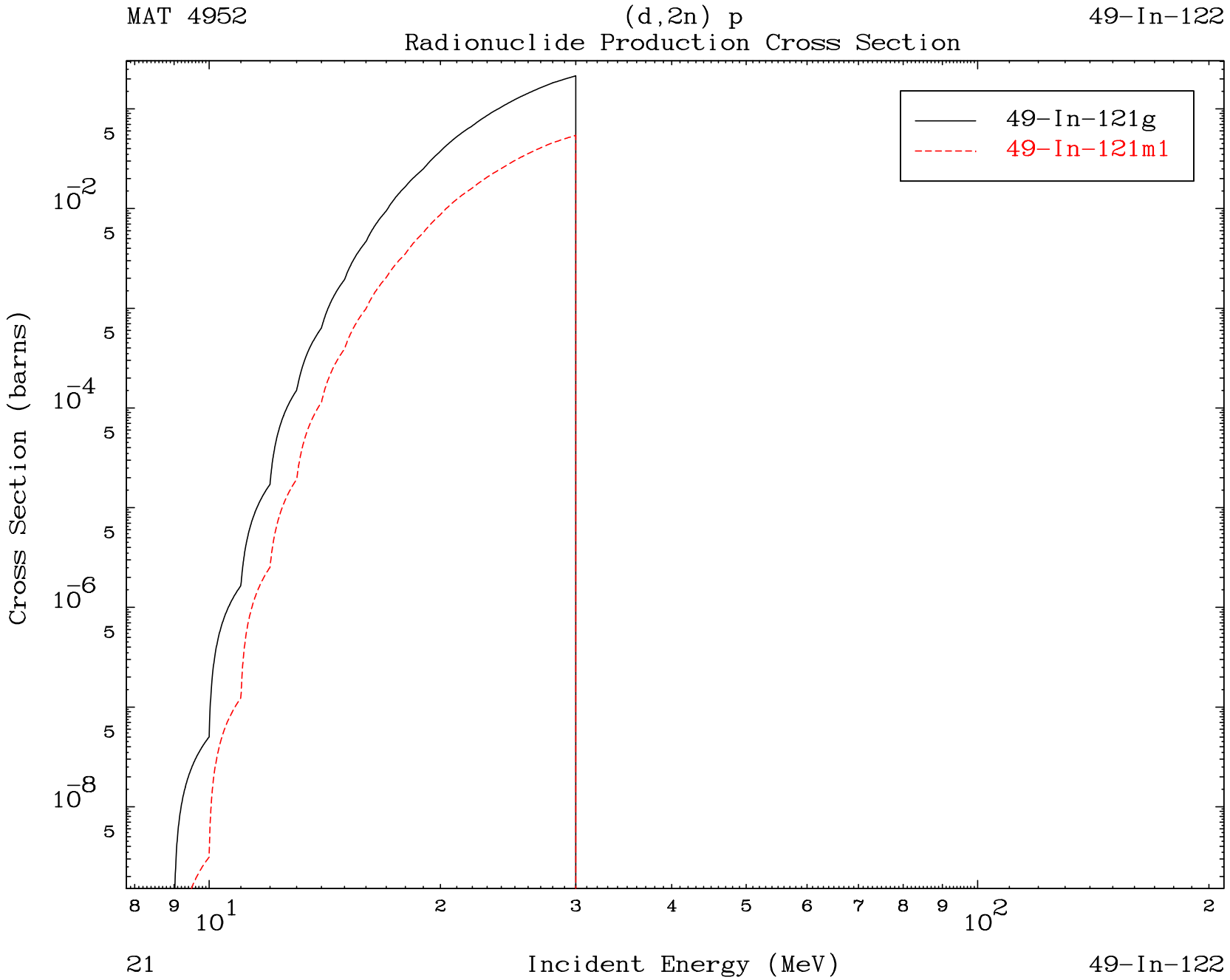

MAT 4952
(d,3n) α
49-In-122
Radionuclide Production Cross Section
48-Cd-117g
48-Cd-117m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
49-In-122

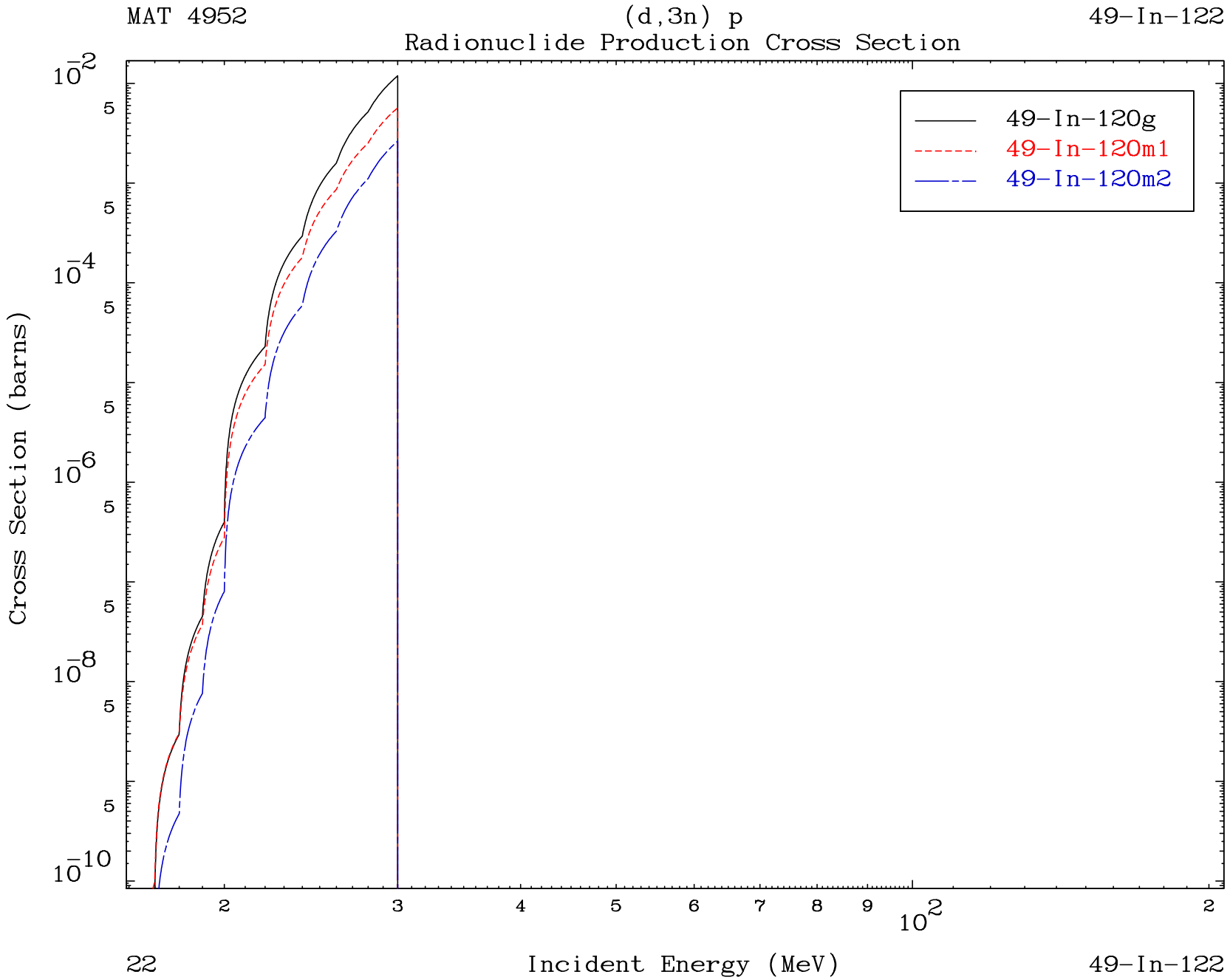

MAT 4952
(d,n') p
49-In-122
Radionuclide Production Cross Section
49-In-122g
49-In-122m1
49-In-122m5
Cross Section (barns)
Incident Energy (MeV)
17
49-In-122

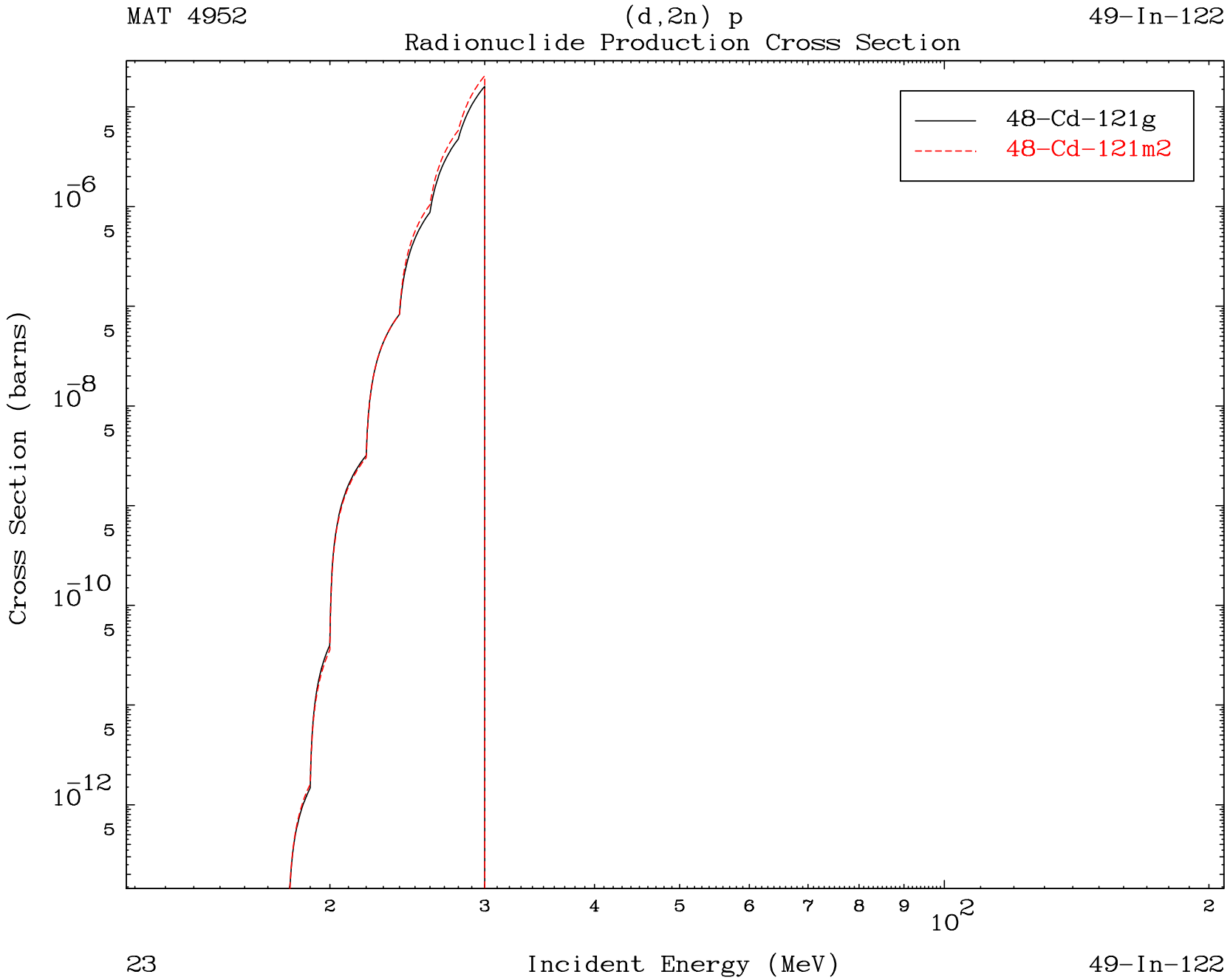

MAT 4952
(d,n') 2α
49-In-122
Radionuclide Production Cross Section
46-Pd-115g
46-Pd-115m1
Cross Section (barns)
10-10
10-12
10-14
10-16
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
18
Incident Energy (MeV)
49-In-122

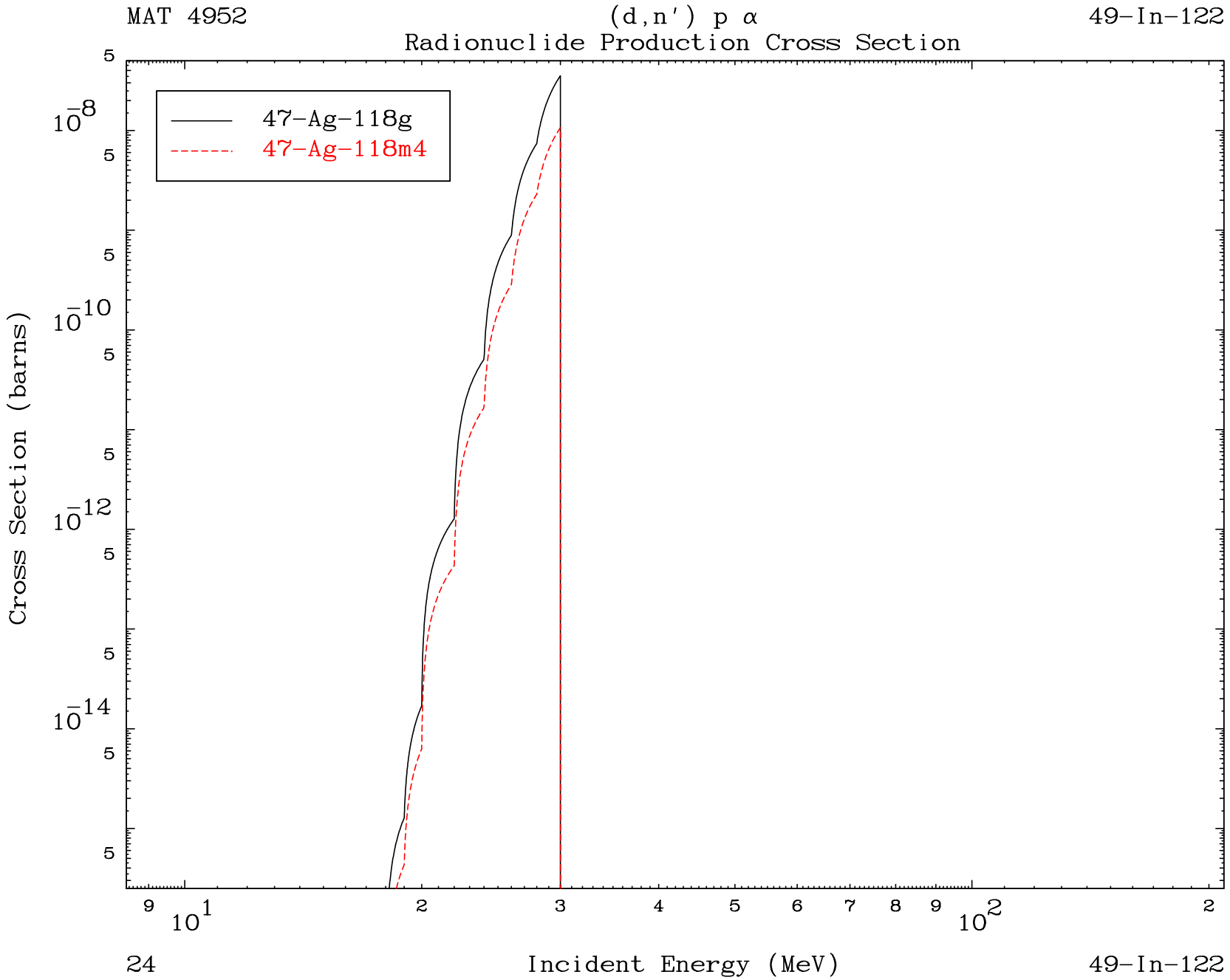

MAT 4952
(d,n') d
49-In-122
Radionuclide Production Cross Section
49-In-121g
49-In-121m1
Cross Section (barns)
Incident Energy (MeV)
19
49-In-122

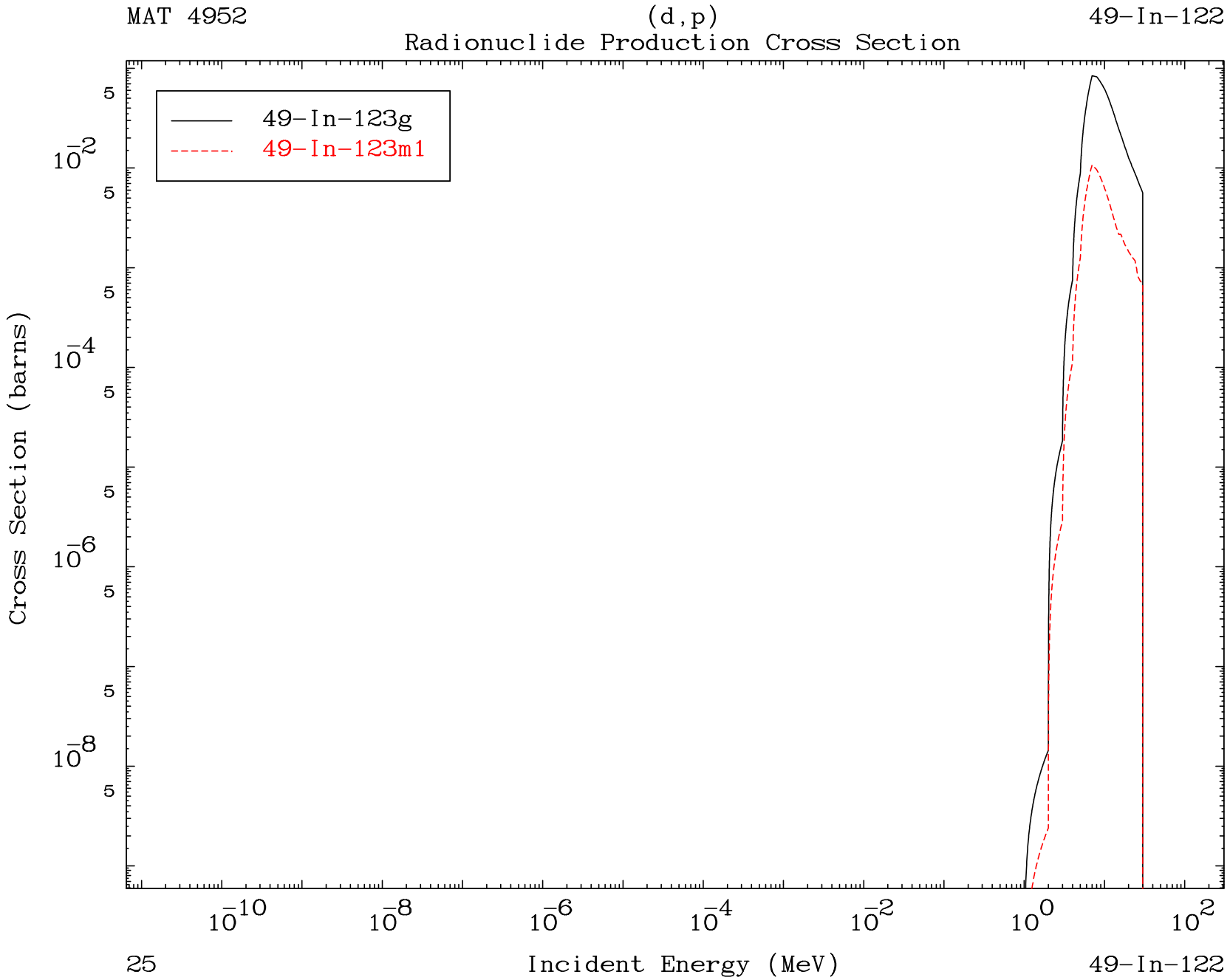

MAT 4952
(d,n') t
49-In-122
Radionuclide Production Cross Section
49-In-120g
49-In-120m1
49-In-120m2
Cross Section (barns)
Incident Energy (MeV)
20
49-In-122

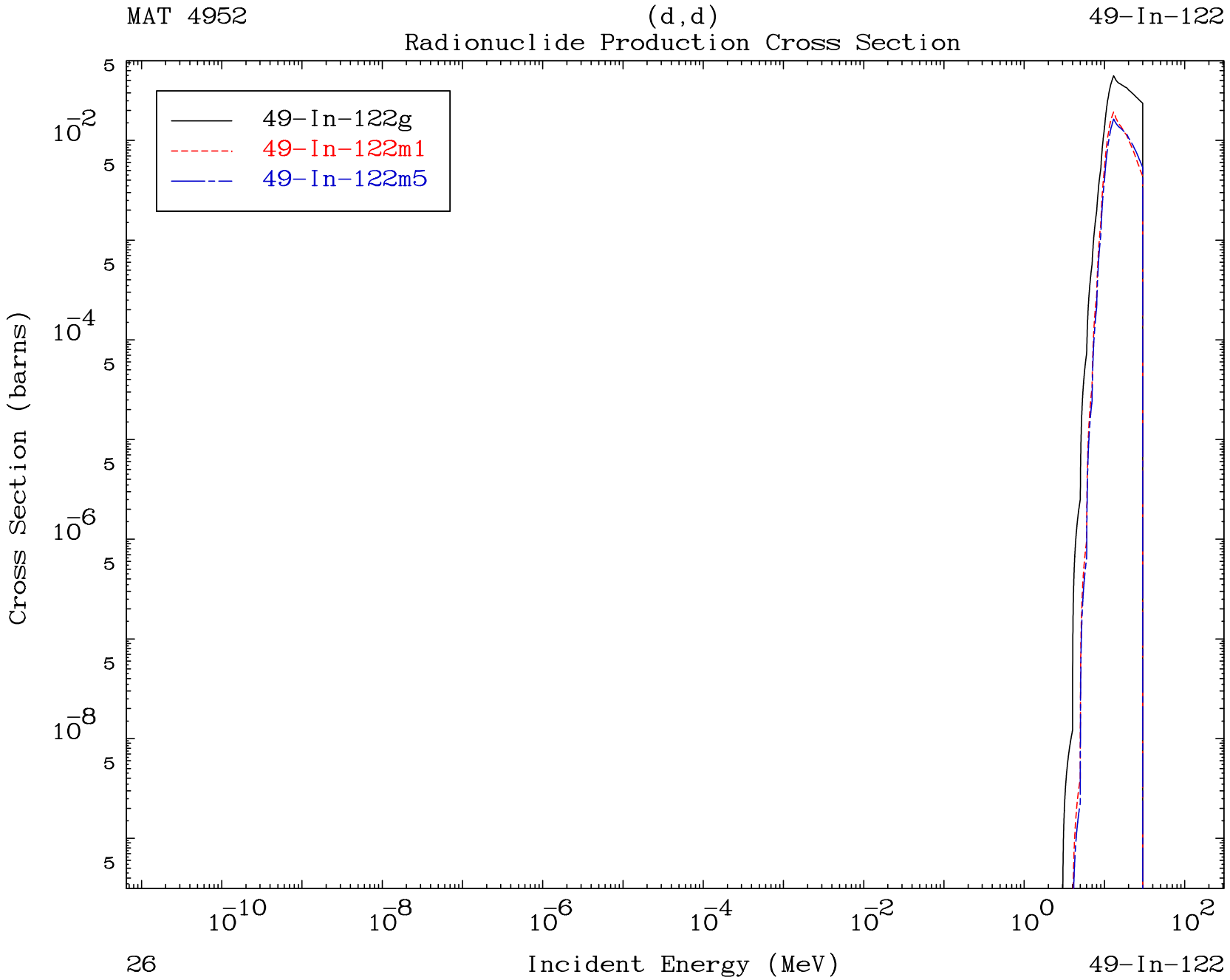

MAT 4952
(d,2n) p
49-In-122
Radionuclide Production Cross Section
49-In-121g
49-In-121m1
Cross Section (barns)
10-2
10-4
10-6
10-8
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
21
49-In-122

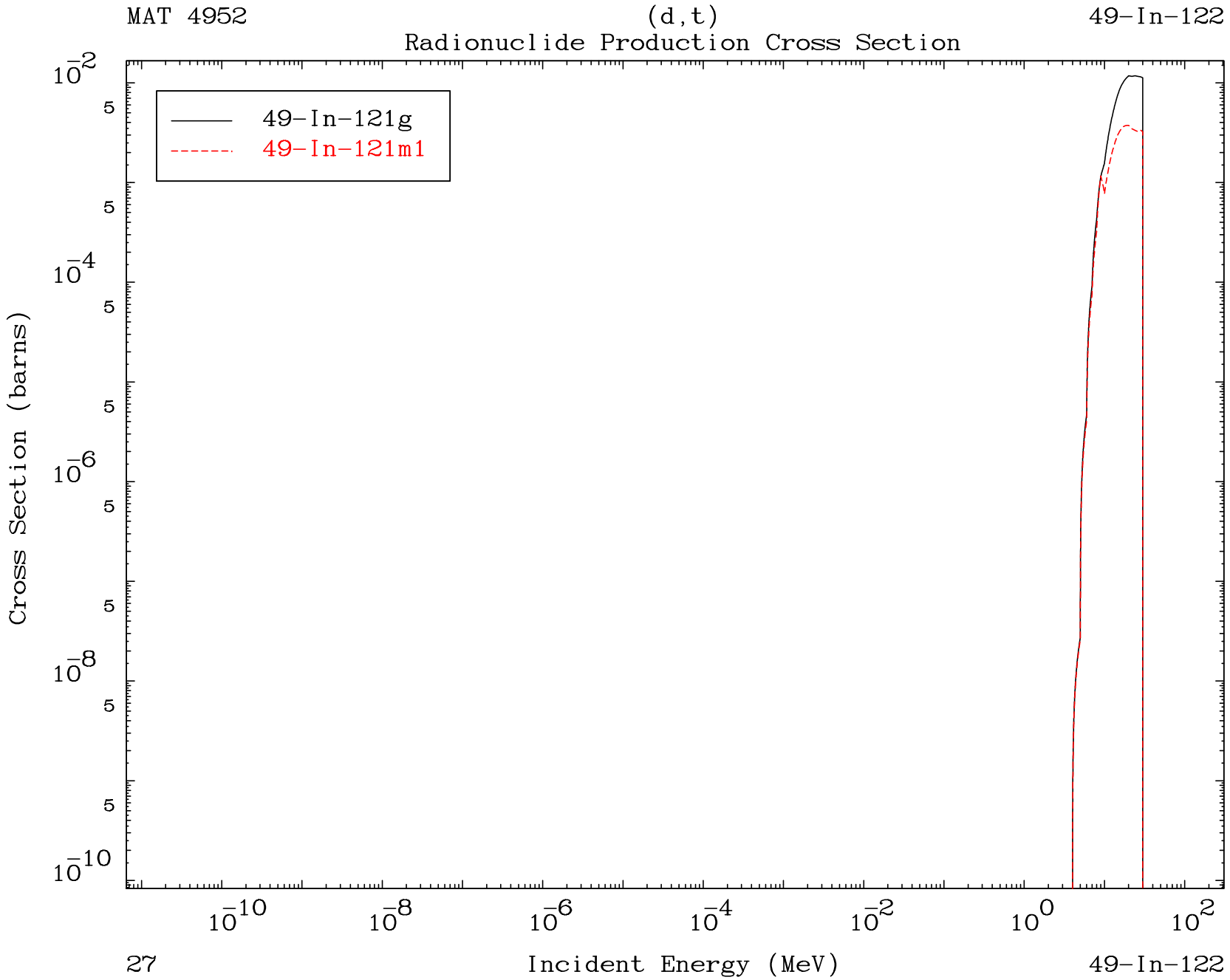

MAT 4952
(d,3n) p
49-In-122
Radionuclide Production Cross Section
49-In-120g
49-In-120m1
49-In-120m2
Cross Section (barns)
Incident Energy (MeV)
22
49-In-122

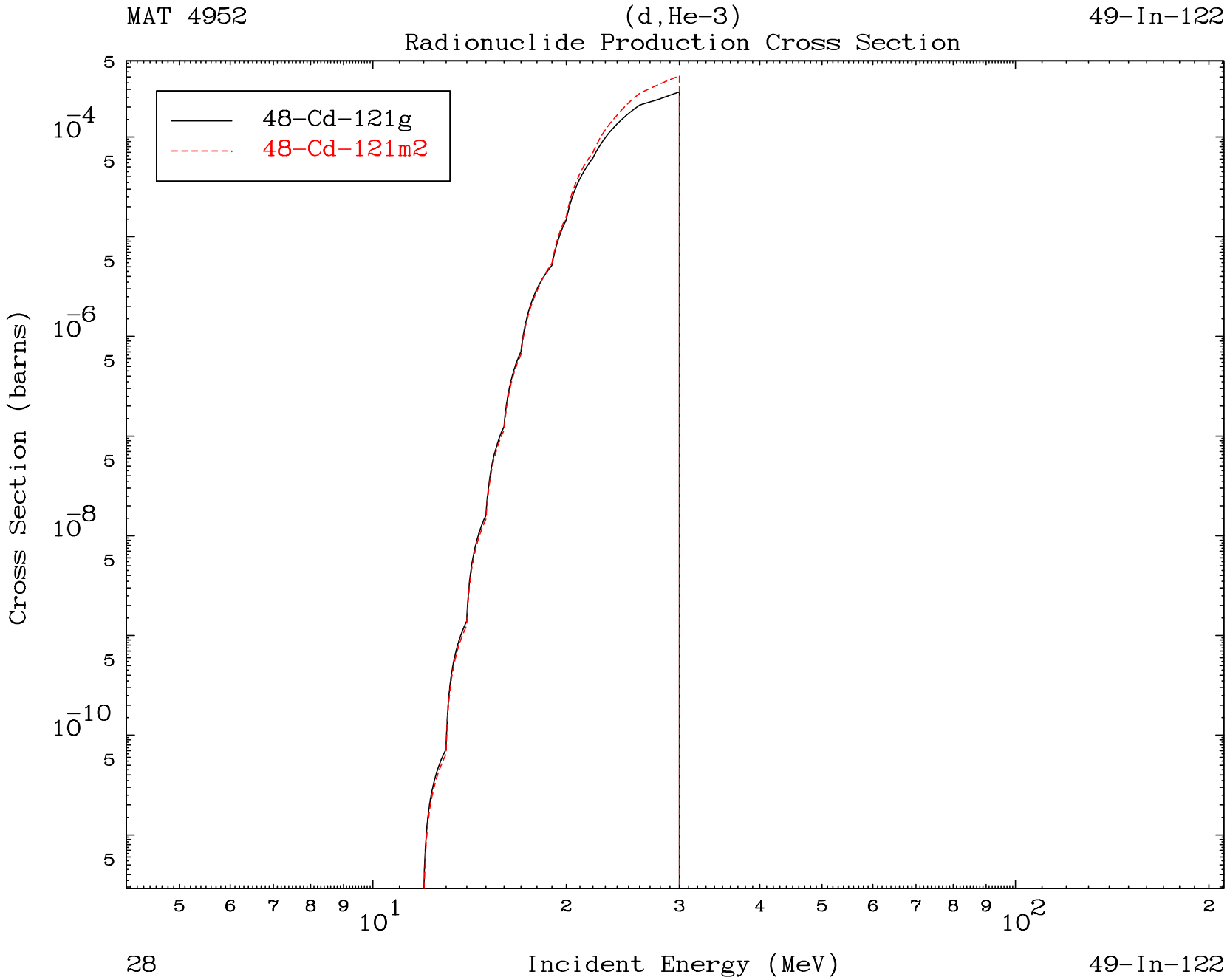

MAT 4952
(d,2n) p
49-In-122
Radionuclide Production Cross Section
48-Cd-121g
48-Cd-121m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
23
Incident Energy (MeV)
49-In-122

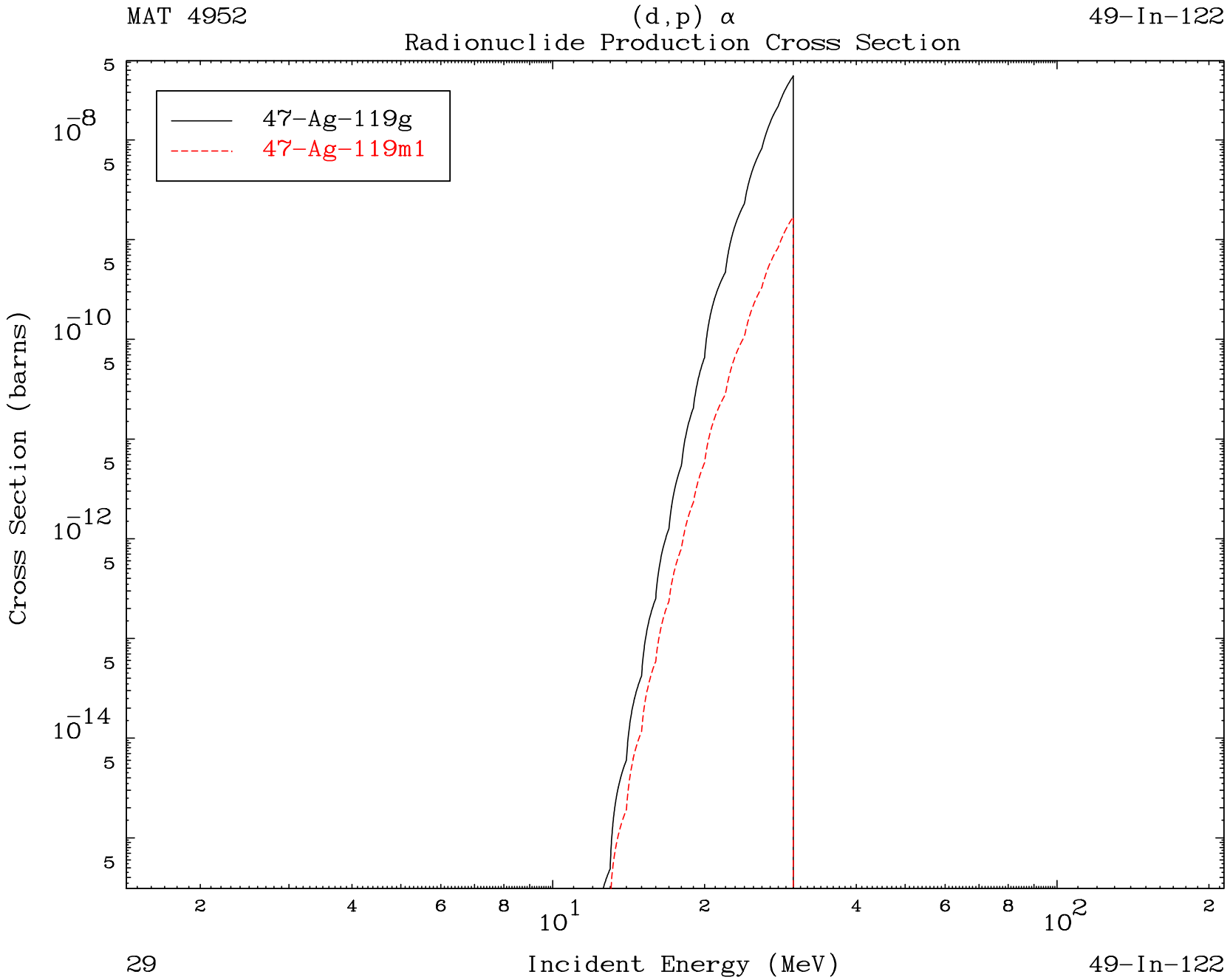

MAT 4952
(d,n') p α
49-In-122
Radionuclide Production Cross Section
47-Ag-118g
47-Ag-118m4
Cross Section (barns)
Incident Energy (MeV)
24
49-In-122

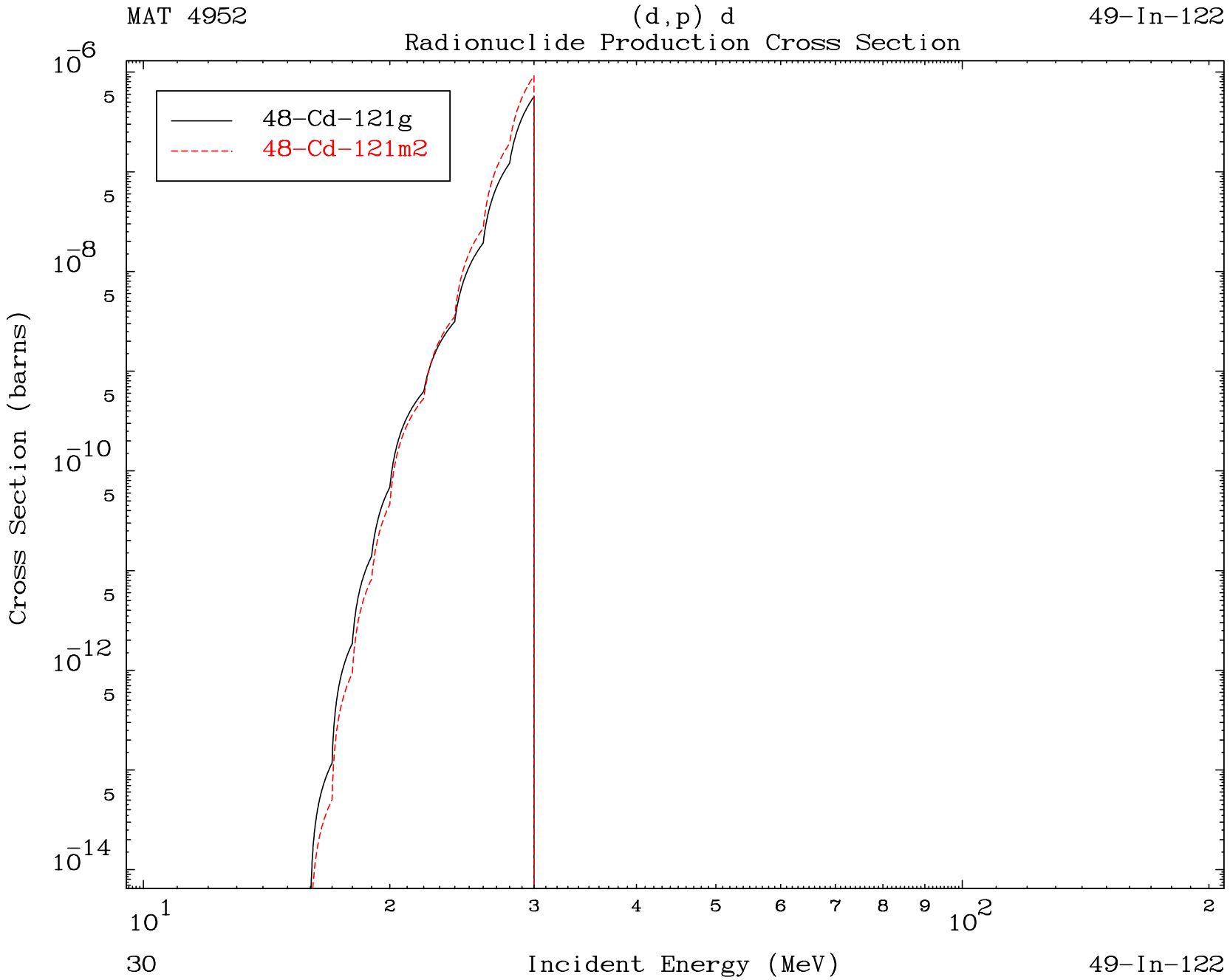

MAT 4952
(d,p)
49-In-122
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
Incident Energy (MeV)
25
49-In-122

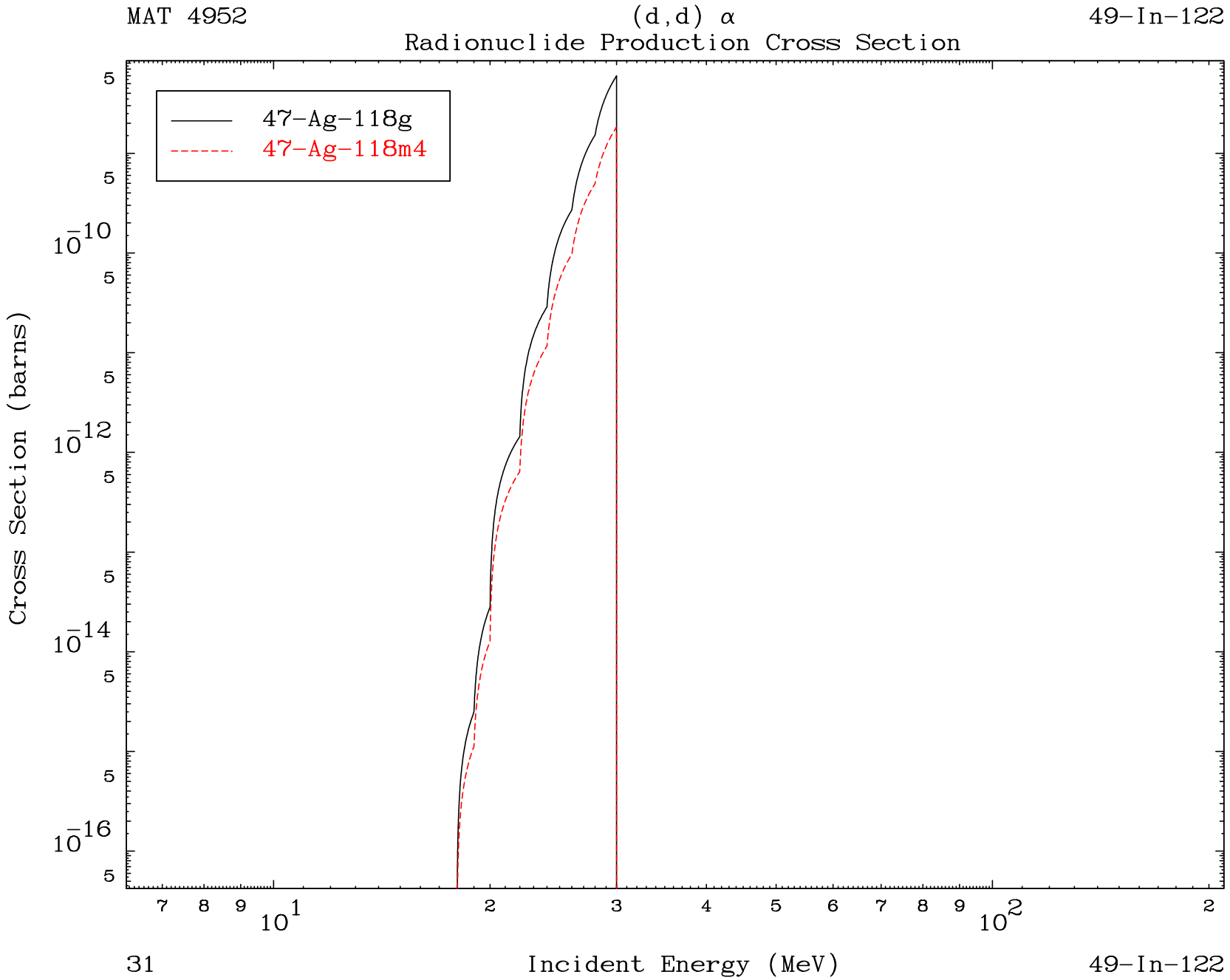

MAT 4952
(d,d)
49-In-122
Radionuclide Production Cross Section
49-In-122g
49-In-122m1
49-In-122m5
Cross Section (barns)
Incident Energy (MeV)
26
49-In-122


MAT 4952
(d,t)
49-In-122
Radionuclide Production Cross Section
49-In-121g
49-In-121m1
Cross Section (barns)
Incident Energy (MeV)
27
49-In-122


MAT 4952
(d,He-3)
49-In-122
Radionuclide Production Cross Section
48-Cd-121g
48-Cd-121m2
Cross Section (barns)
Incident Energy (MeV)
28
49-In-122


MAT 4952
(d,p) α
49-In-122
Radionuclide Production Cross Section
47-Ag-119g
47-Ag-119m1
Cross Section (barns)
Incident Energy (MeV)
29
49-In-122


MAT 4952
(d,p) d
49-In-122
Radionuclide Production Cross Section
48-Cd-121g
48-Cd-121m2
Cross Section (barns)
Incident Energy (MeV)
30
49-In-122


MAT 4952
(d,d) α
49-In-122
Radionuclide Production Cross Section
47-Ag-118g
47-Ag-118m4
Cross Section (barns)
Incident Energy (MeV)
31
49-In-122