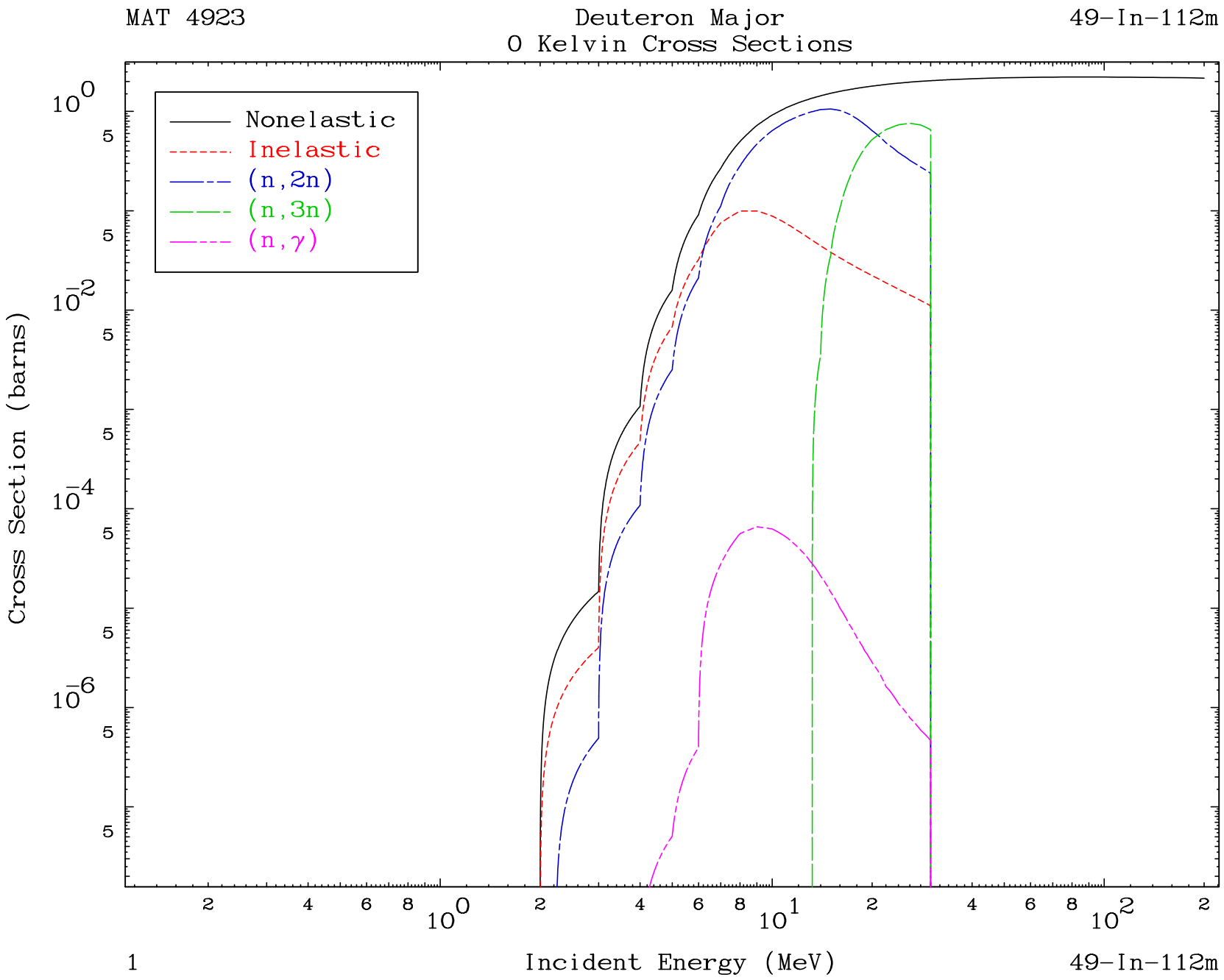
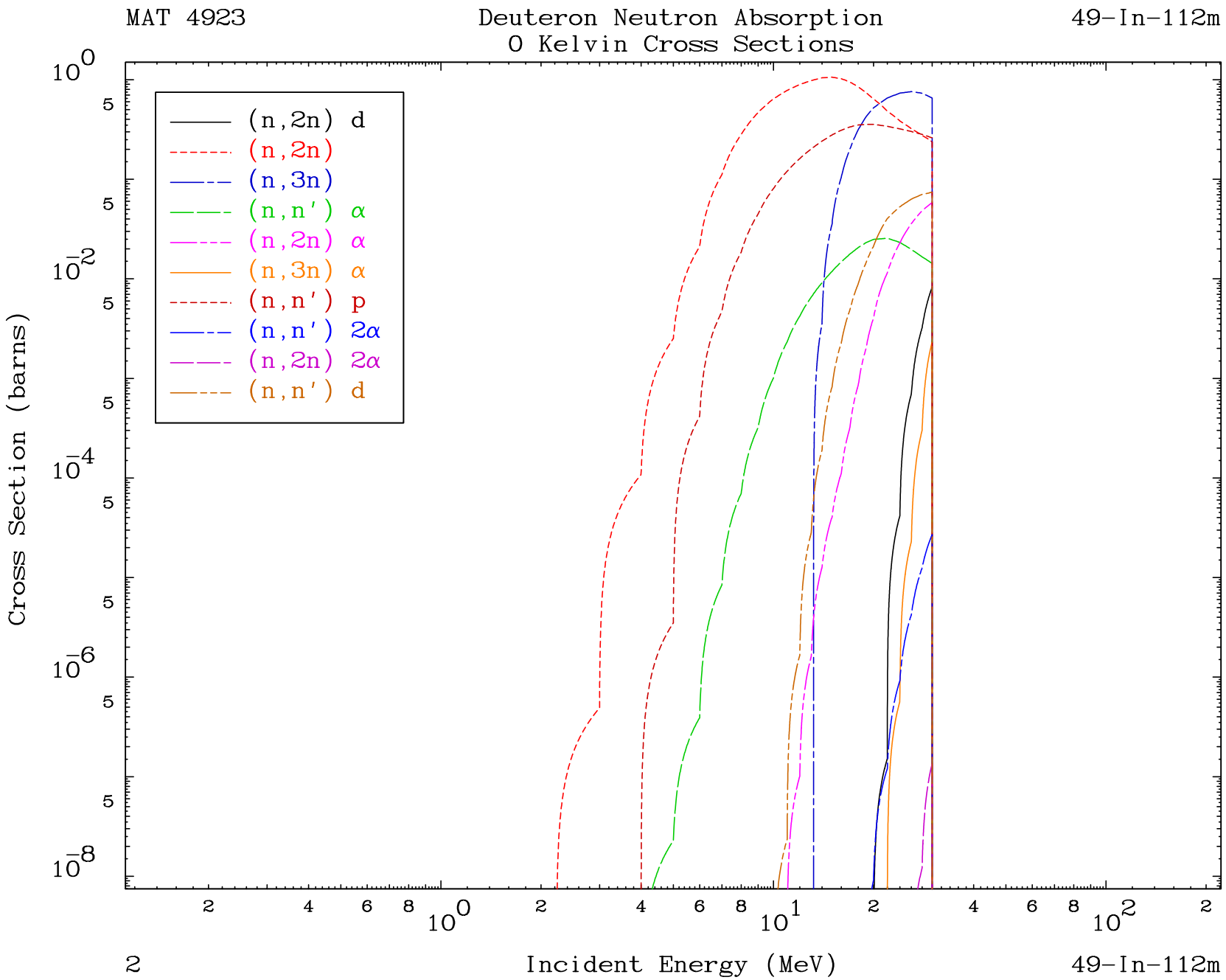
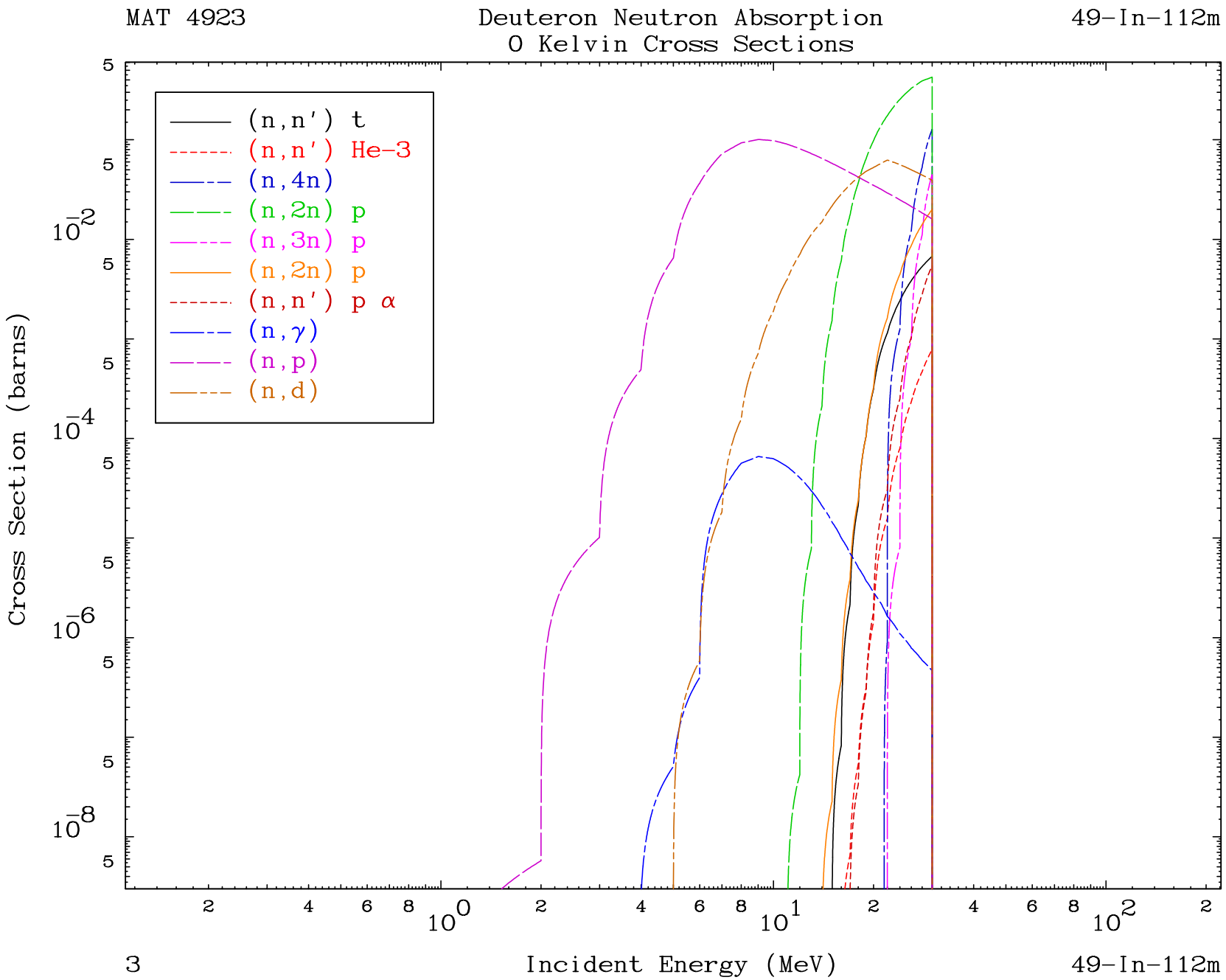
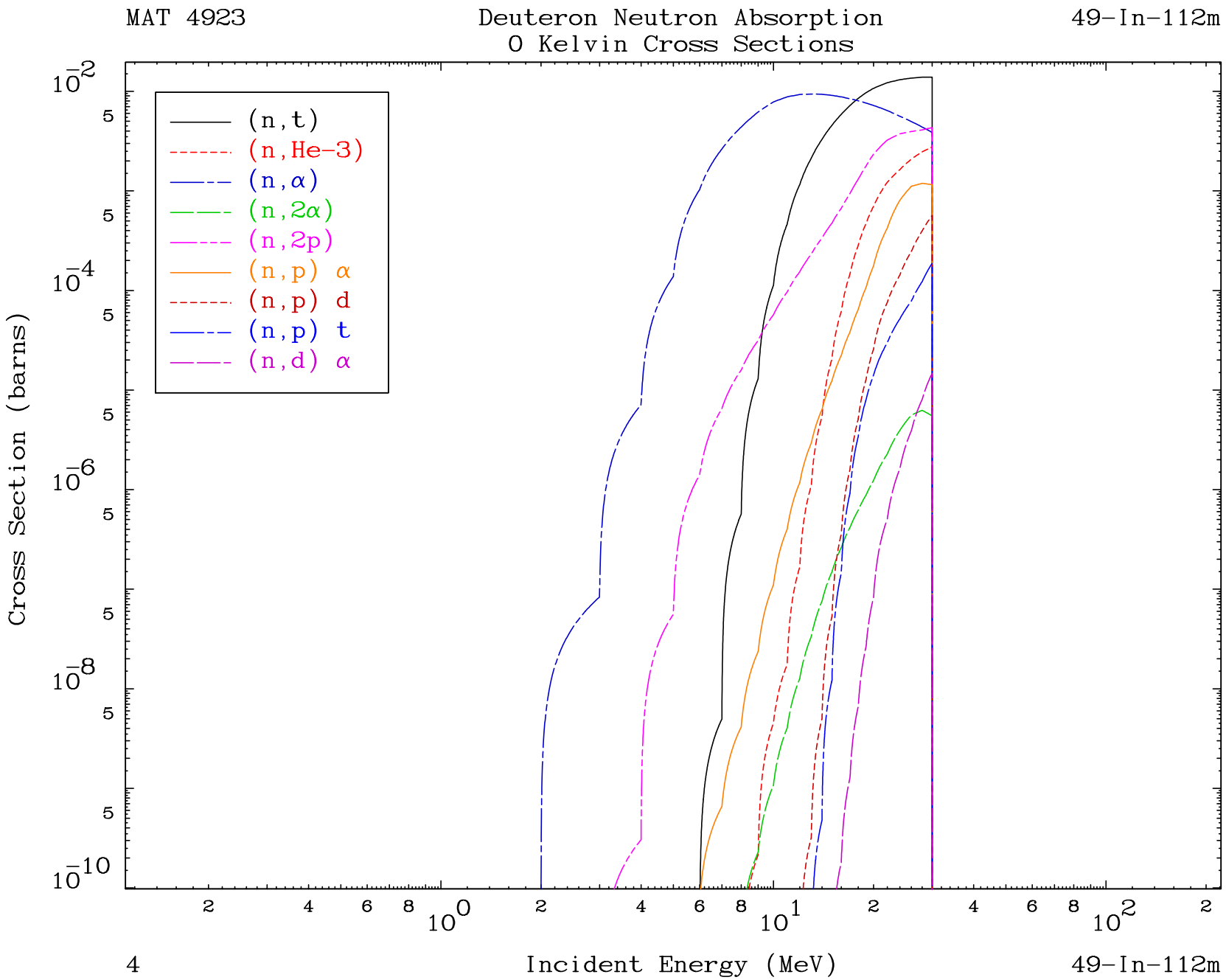
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

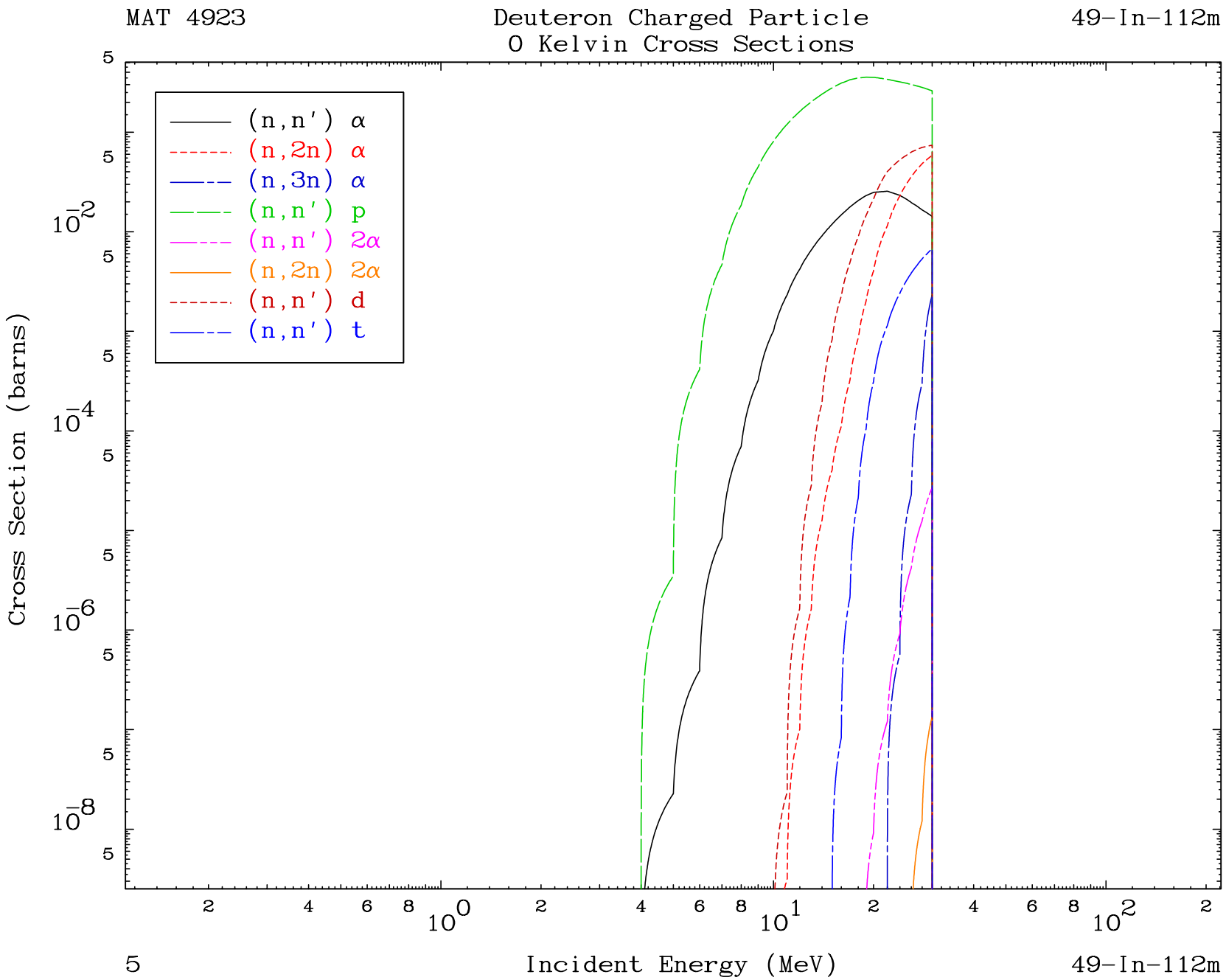
Press Mouse Button to Start

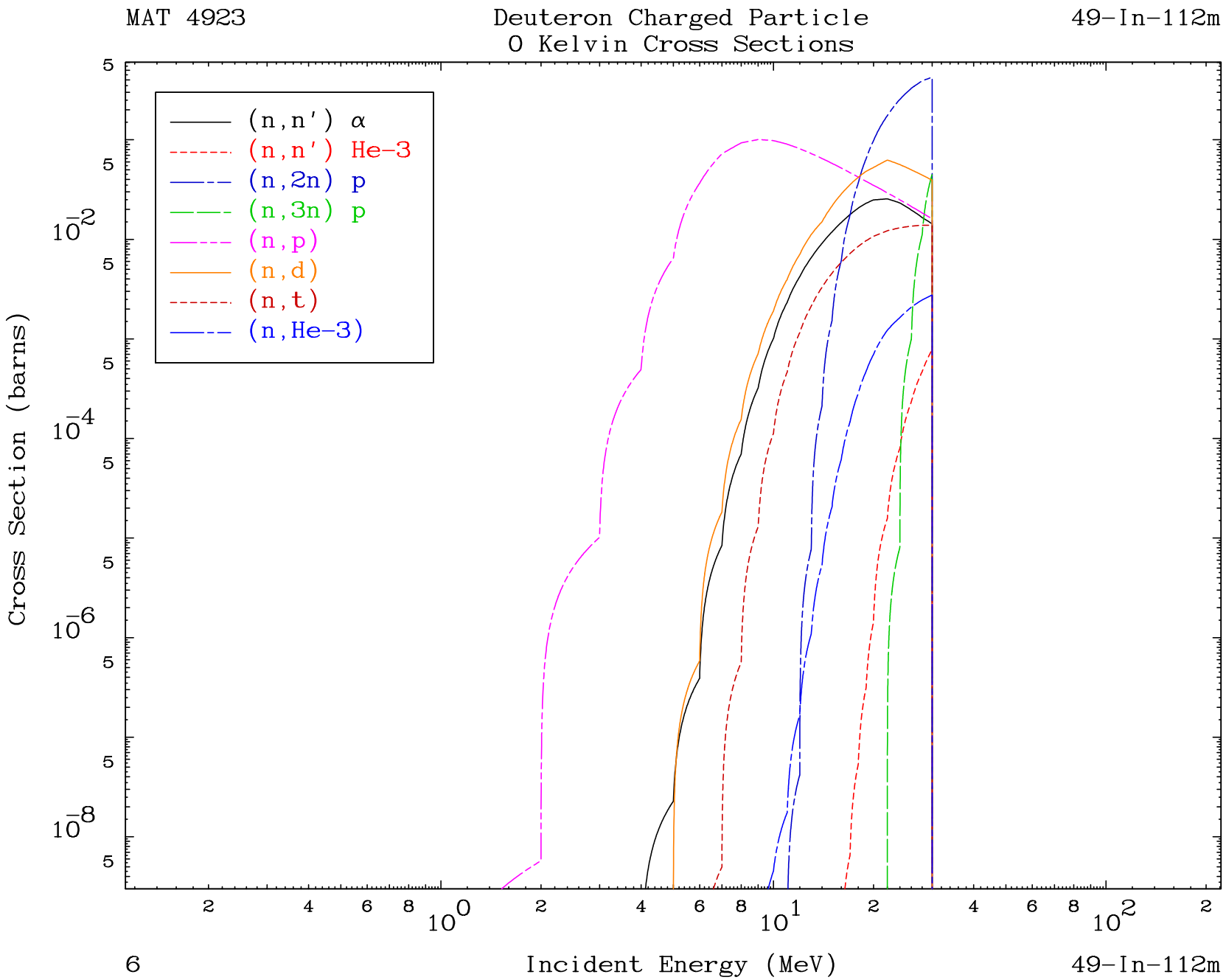

MAT 4923
Deuteron Major
0 Kelvin Cross Sections
49-In-112m
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
49-In-112m

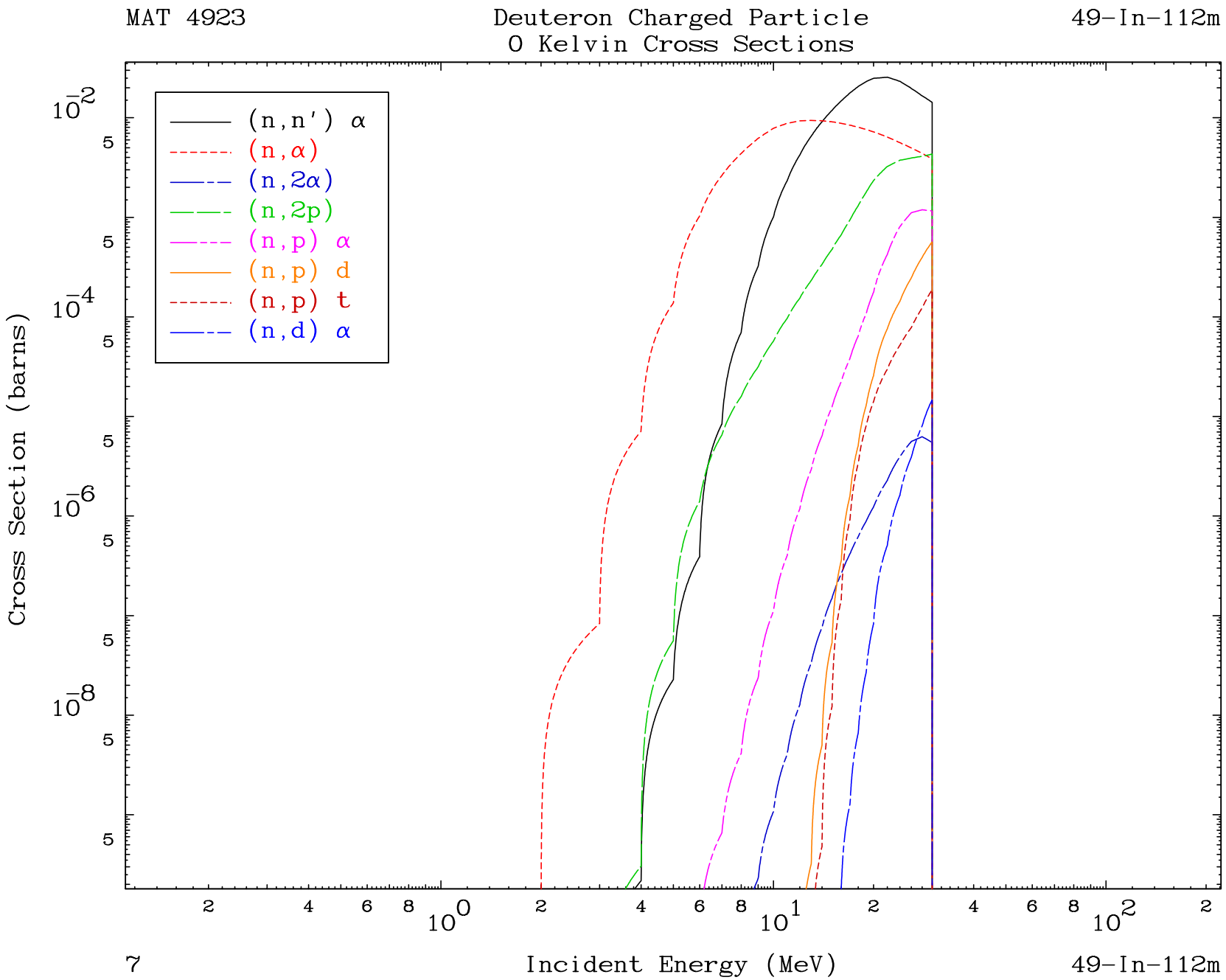

MAT 4923
Deuteron Neutron Absorption
0 Kelvin Cross Sections
49-In-112m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
49-In-112m

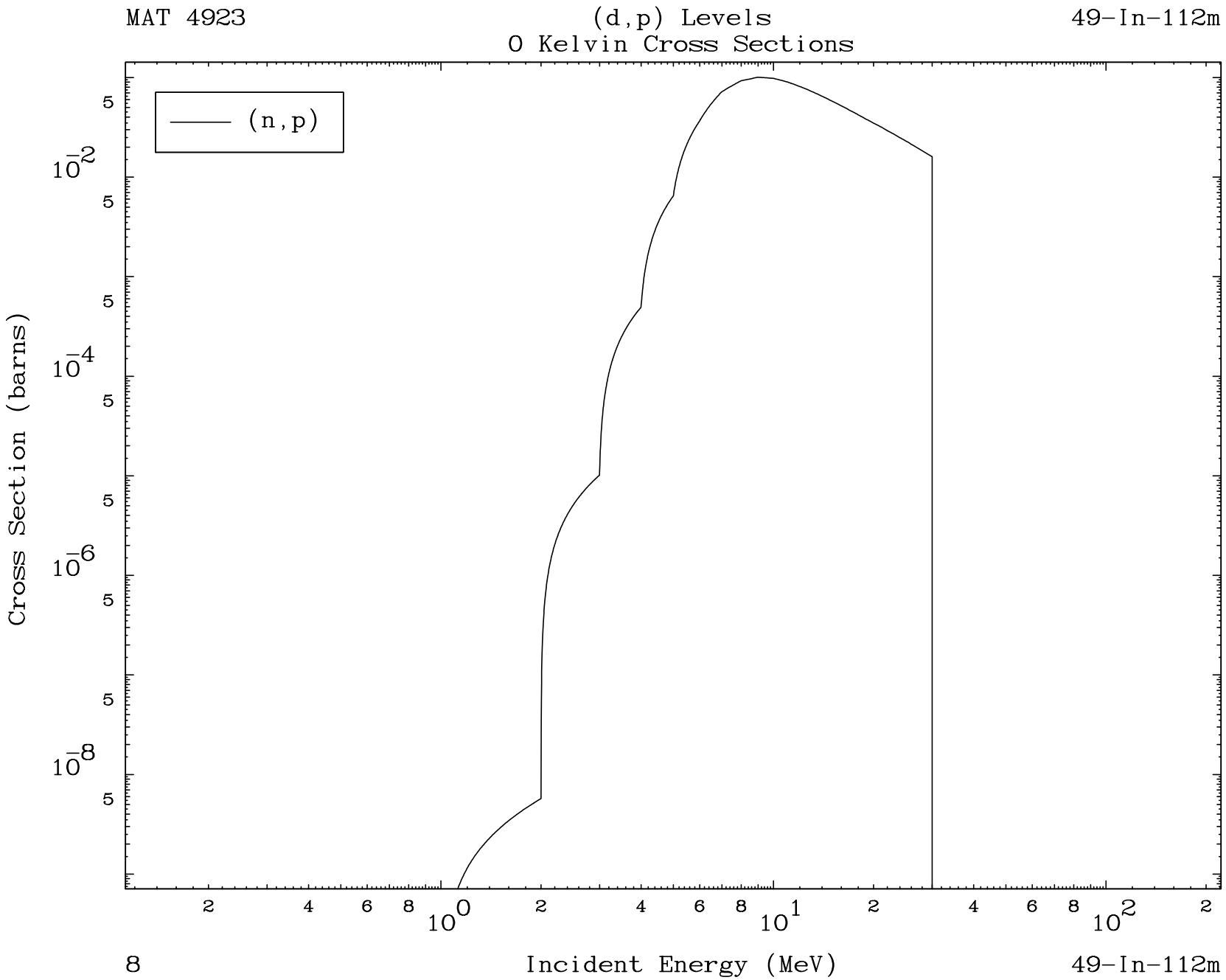

MAT 4923
Deuteron Neutron Absorption
0 Kelvin Cross Sections
49-In-112m
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
49-In-112m

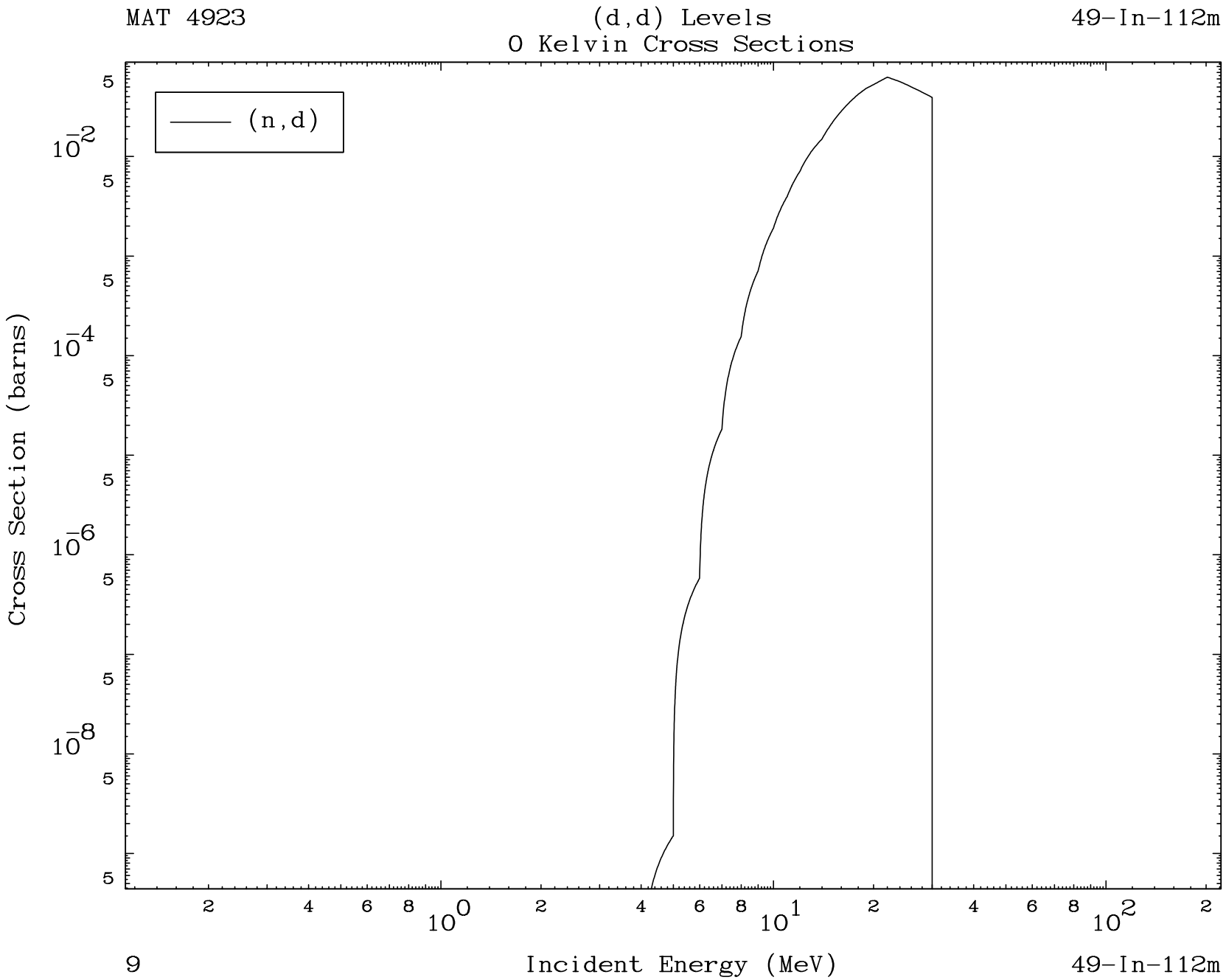

MAT 4923
Deuteron Neutron Absorption
0 Kelvin Cross Sections
49-In-112m
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
49-In-112m

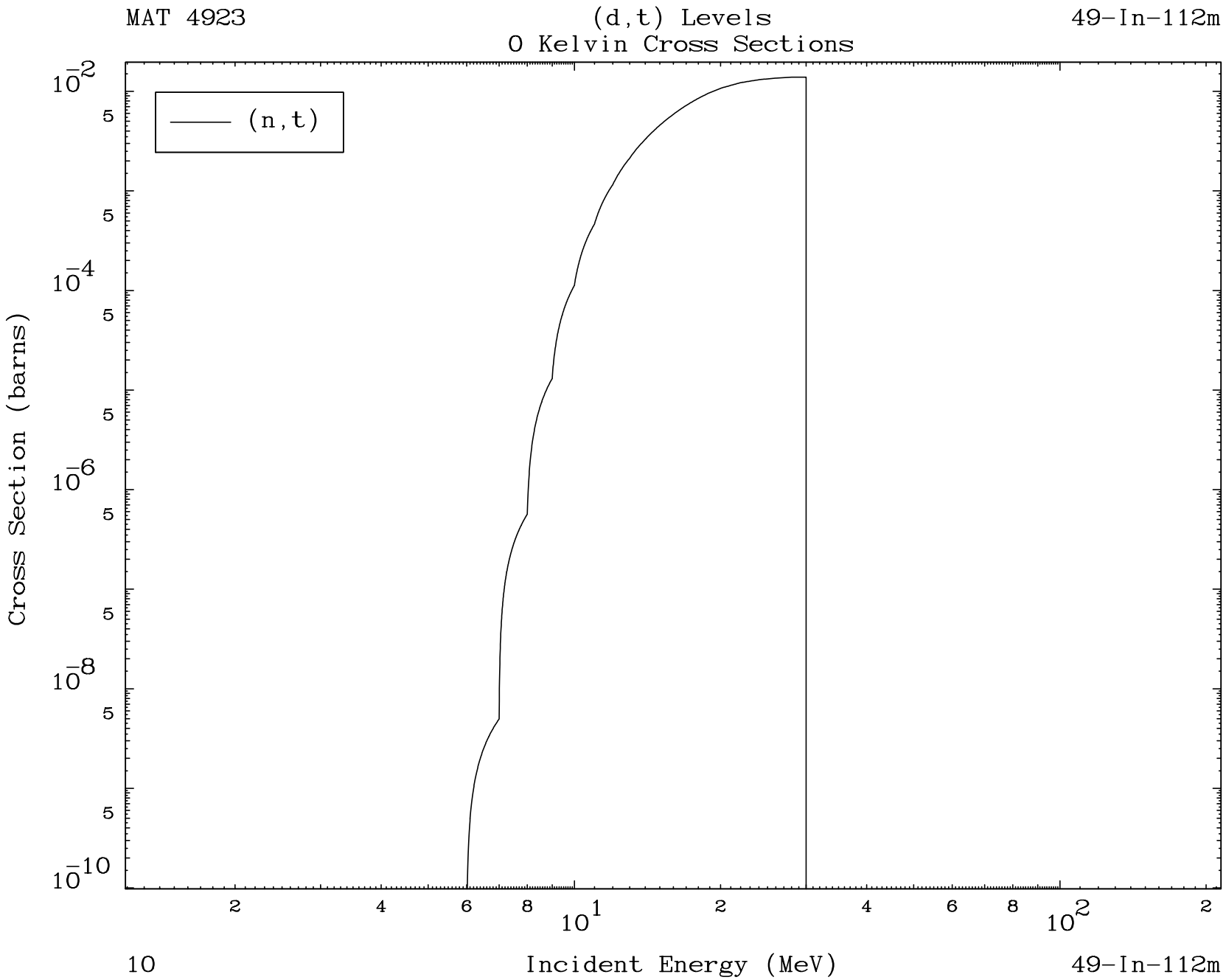

MAT 4923
Deuteron Charged Particle
0 Kelvin Cross Sections
49-In-112m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
49-In-112m

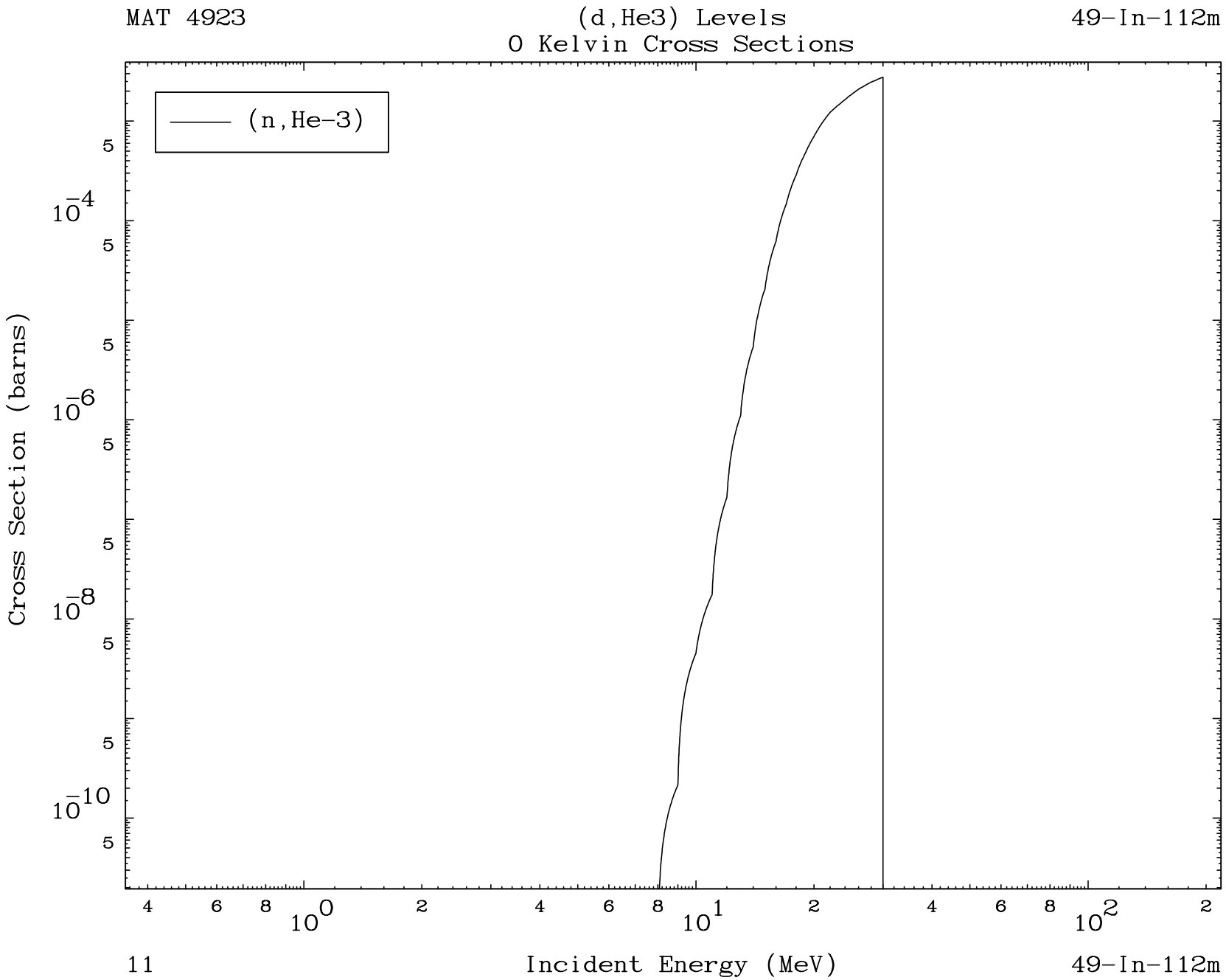

MAT 4923
Deuteron Charged Particle
0 Kelvin Cross Sections
49-In-112m
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
49-In-112m

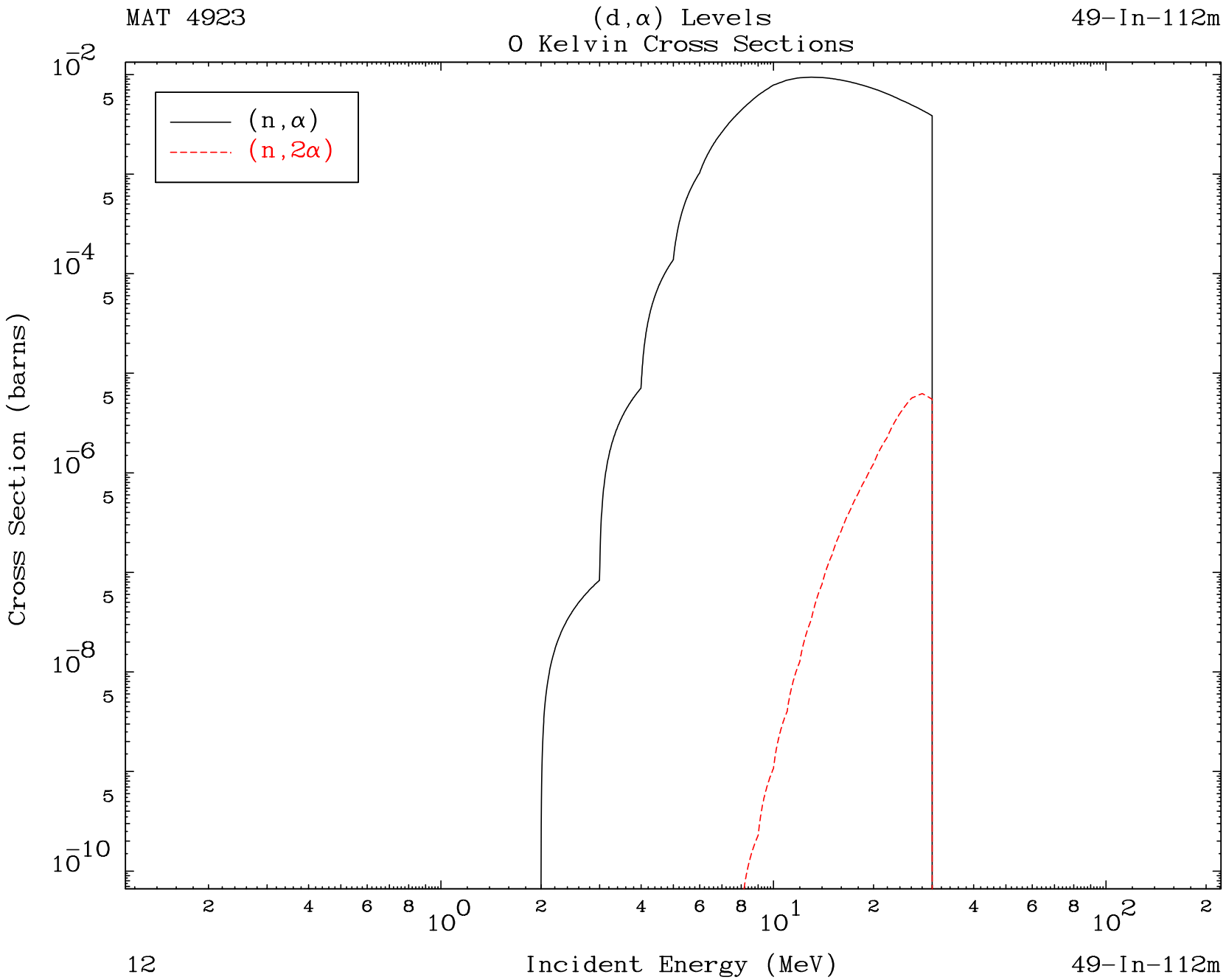

MAT 4923
Deuteron Charged Particle
0 Kelvin Cross Sections
49-In-112m
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
49-In-112m

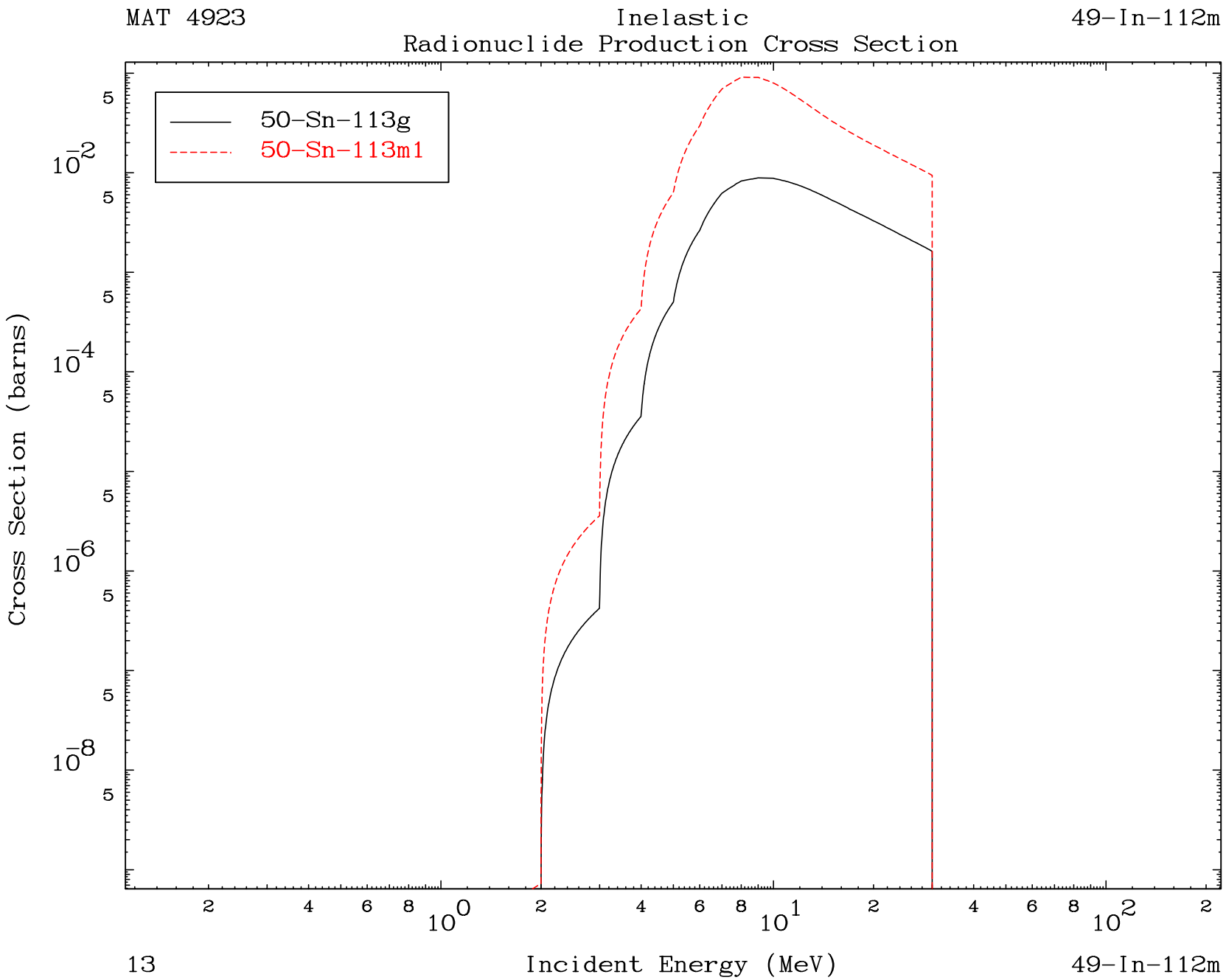

MAT 4923
(d,p) Levels
49-In-112m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
8
49-In-112m

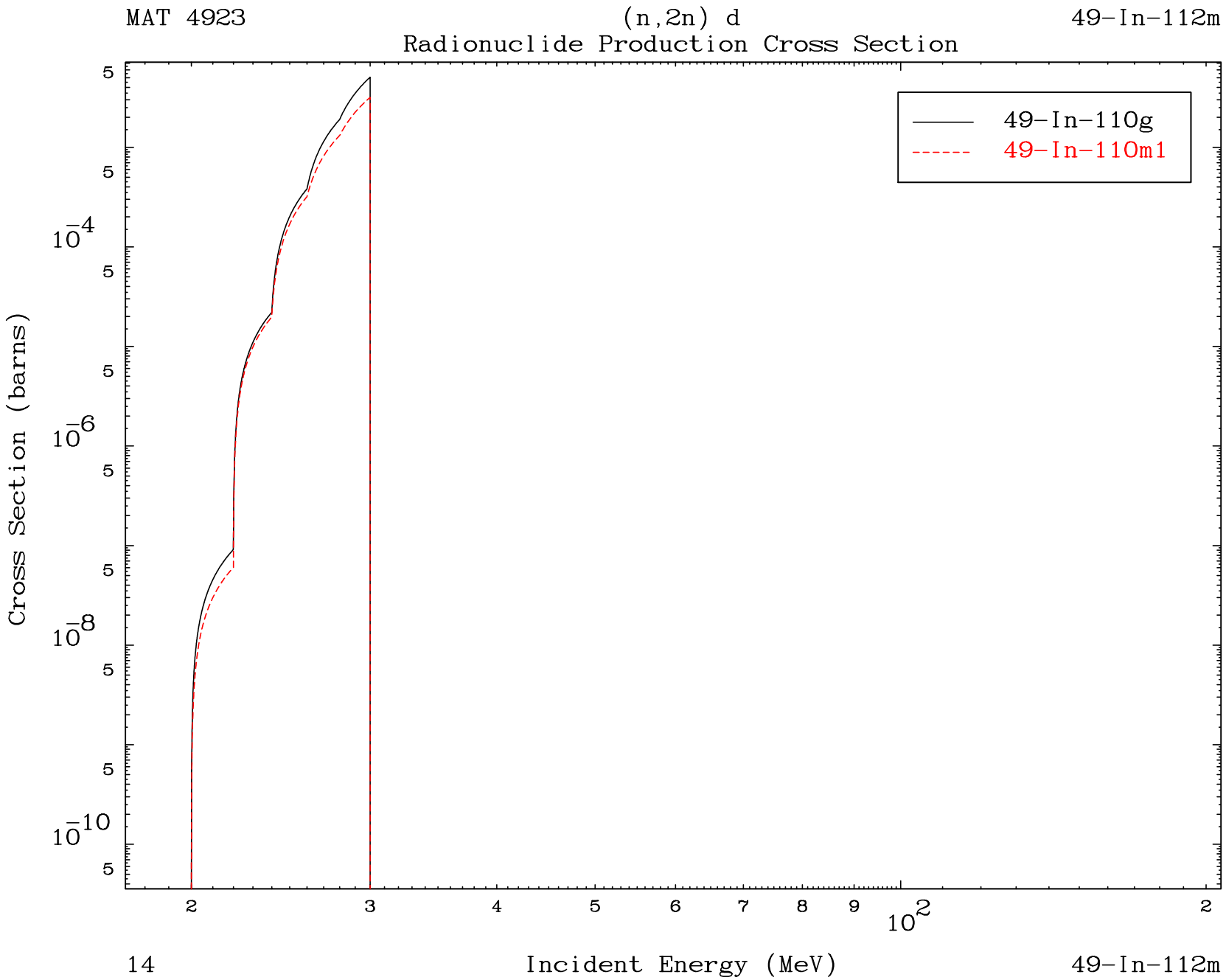

MAT 4923
(d,d) Levels
49-In-112m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
49-In-112m

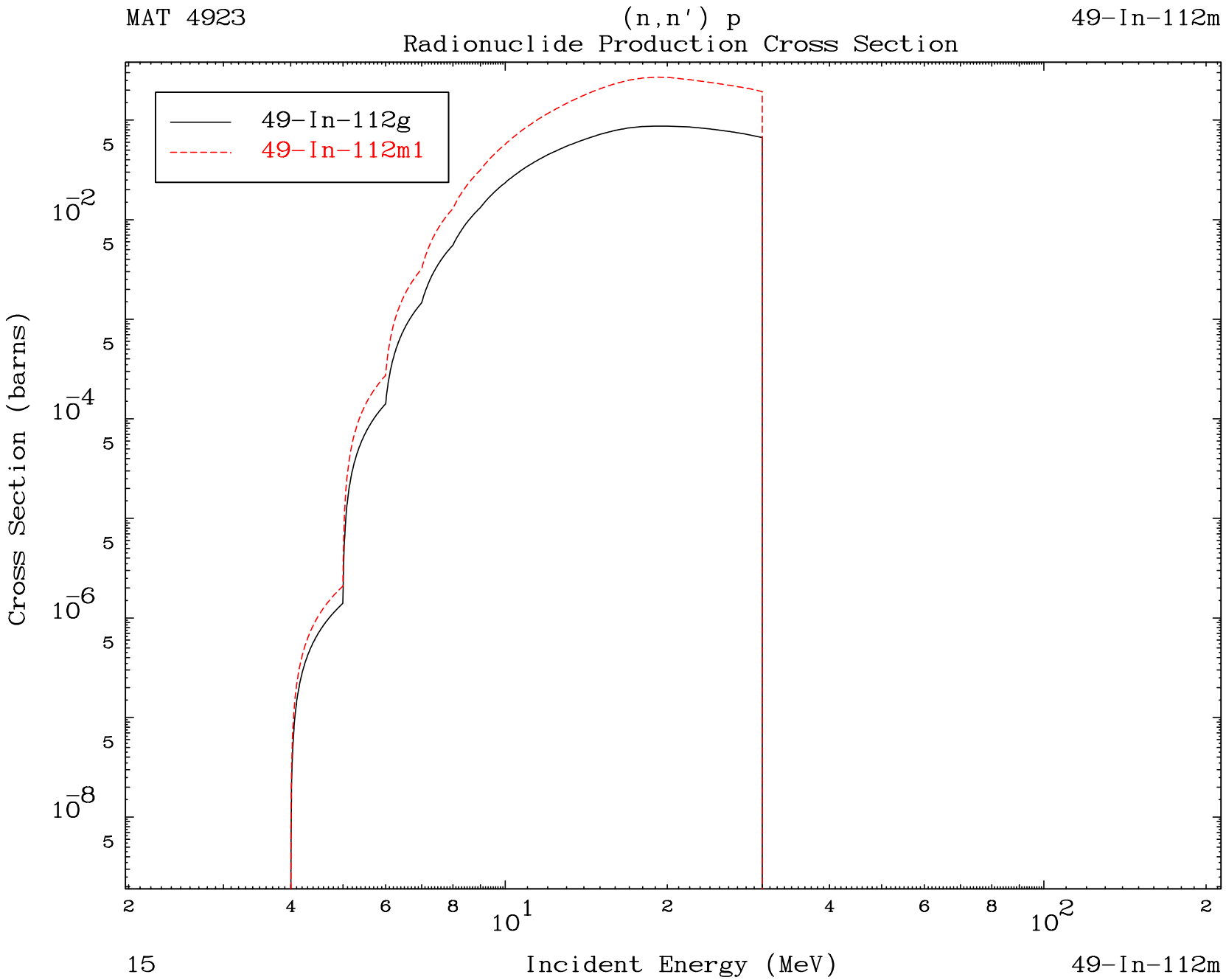

MAT 4923
(d,t) Levels
49-In-112m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
49-In-112m

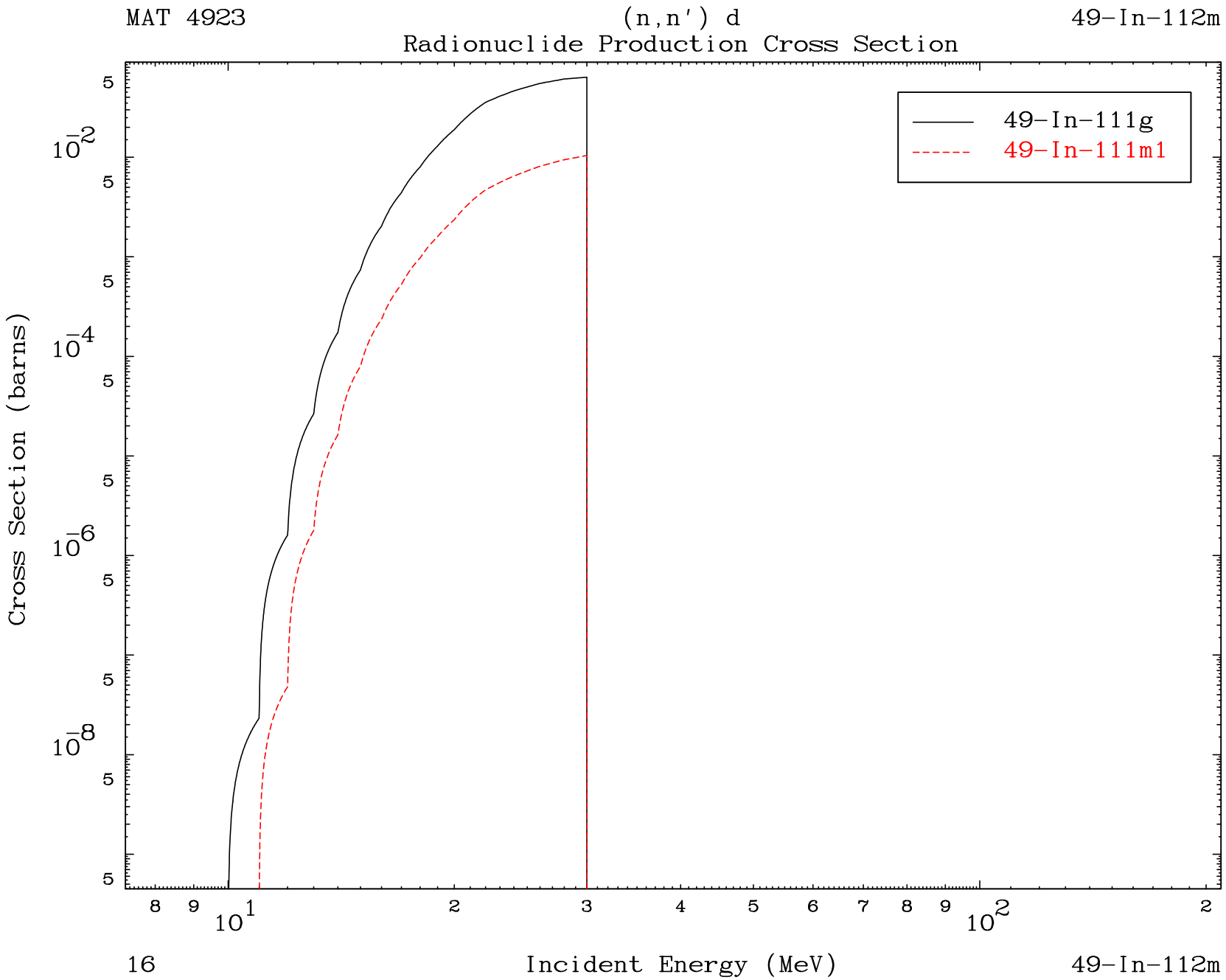

MAT 4923
(d,He3) Levels
49-In-112m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
4 6 8 100 2 4 6 8 101 2 4 6 8 102 2
Incident Energy (MeV)
11
49-In-112m

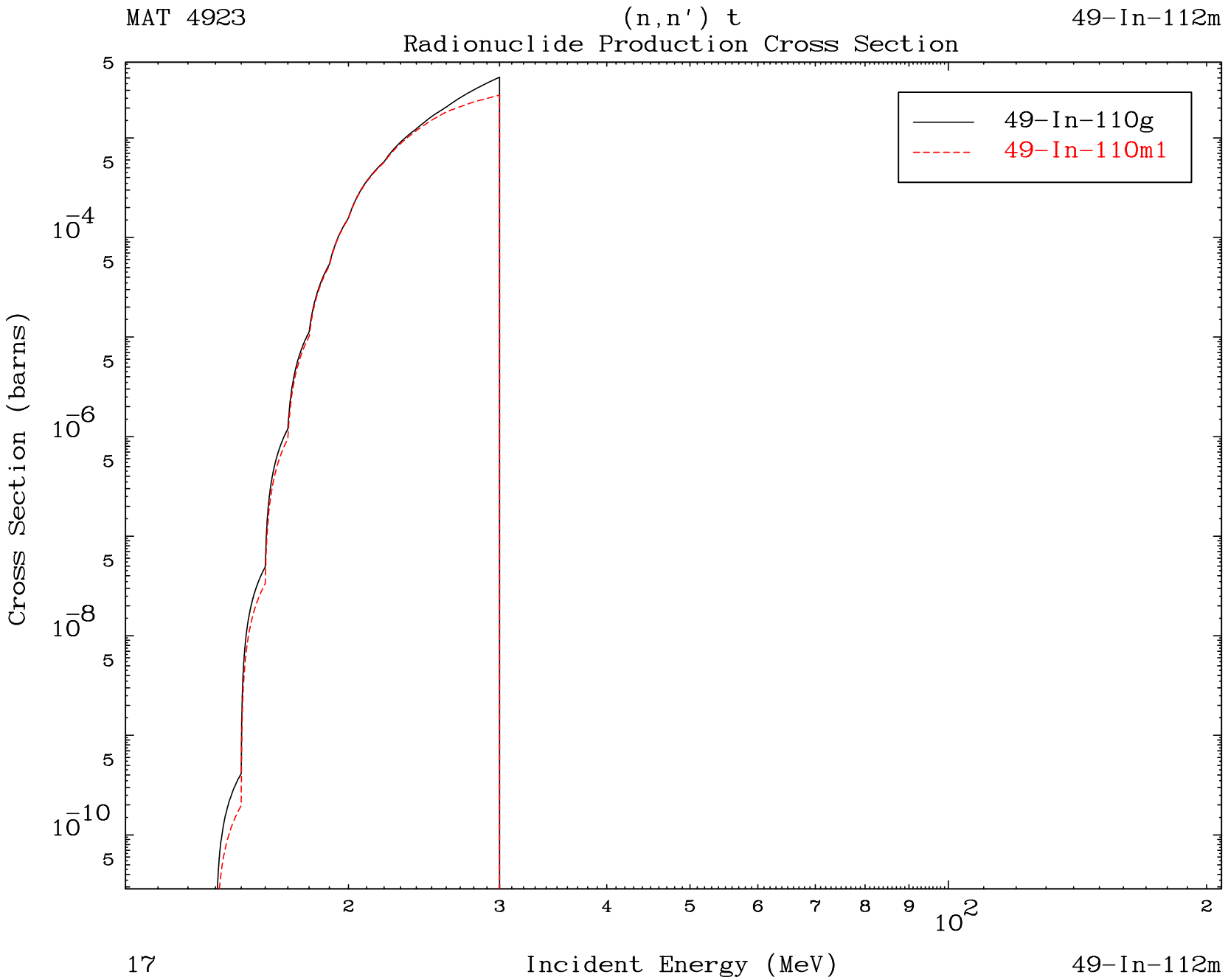

MAT 4923
(d,α) Levels
49-In-112m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
12
49-In-112m

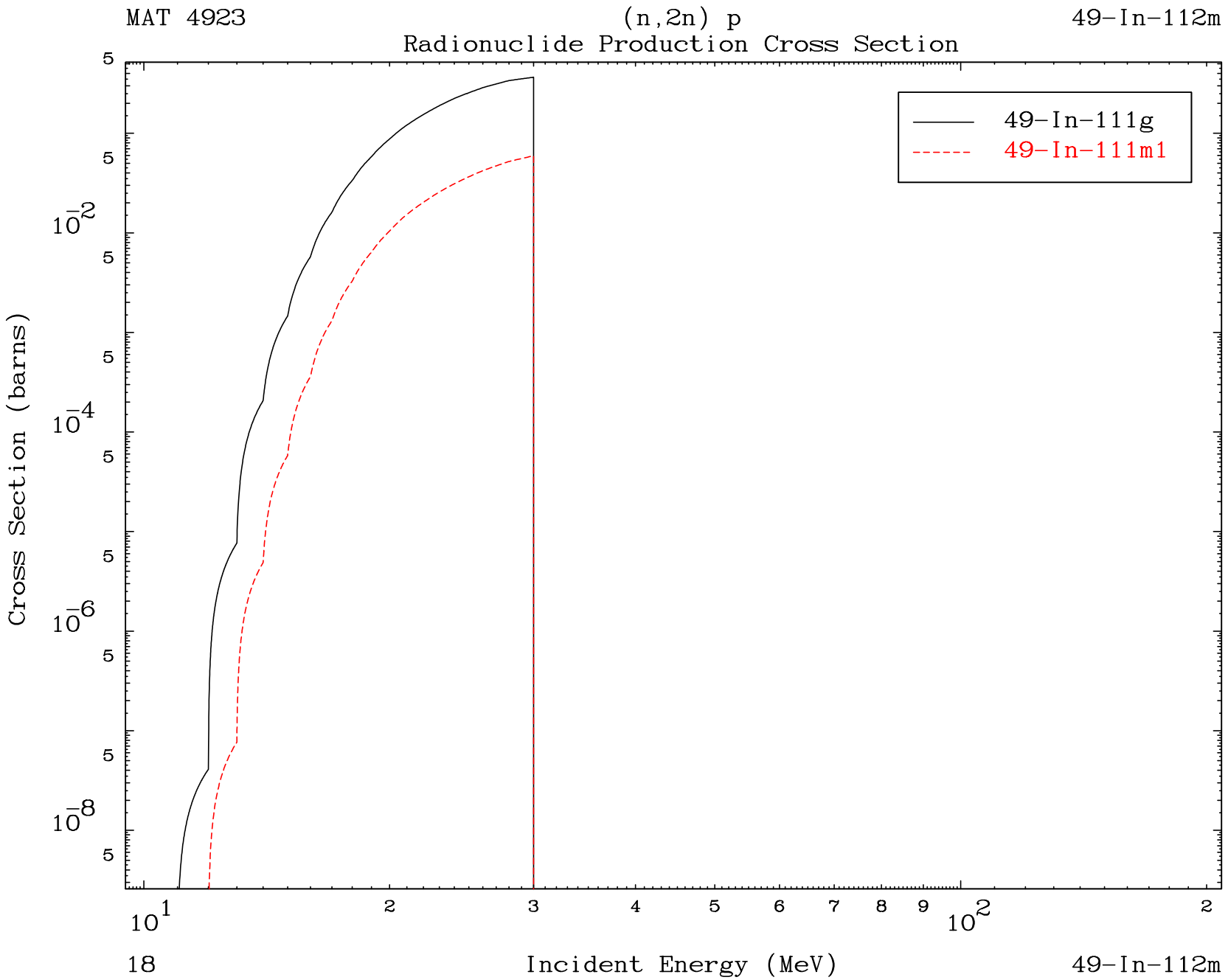

MAT 4923
Inelastic
49-In-112m
Radionuclide Production Cross Section
50-Sn-113g
50-Sn-113m1
Cross Section (barns)
Incident Energy (MeV)
13
49-In-112m

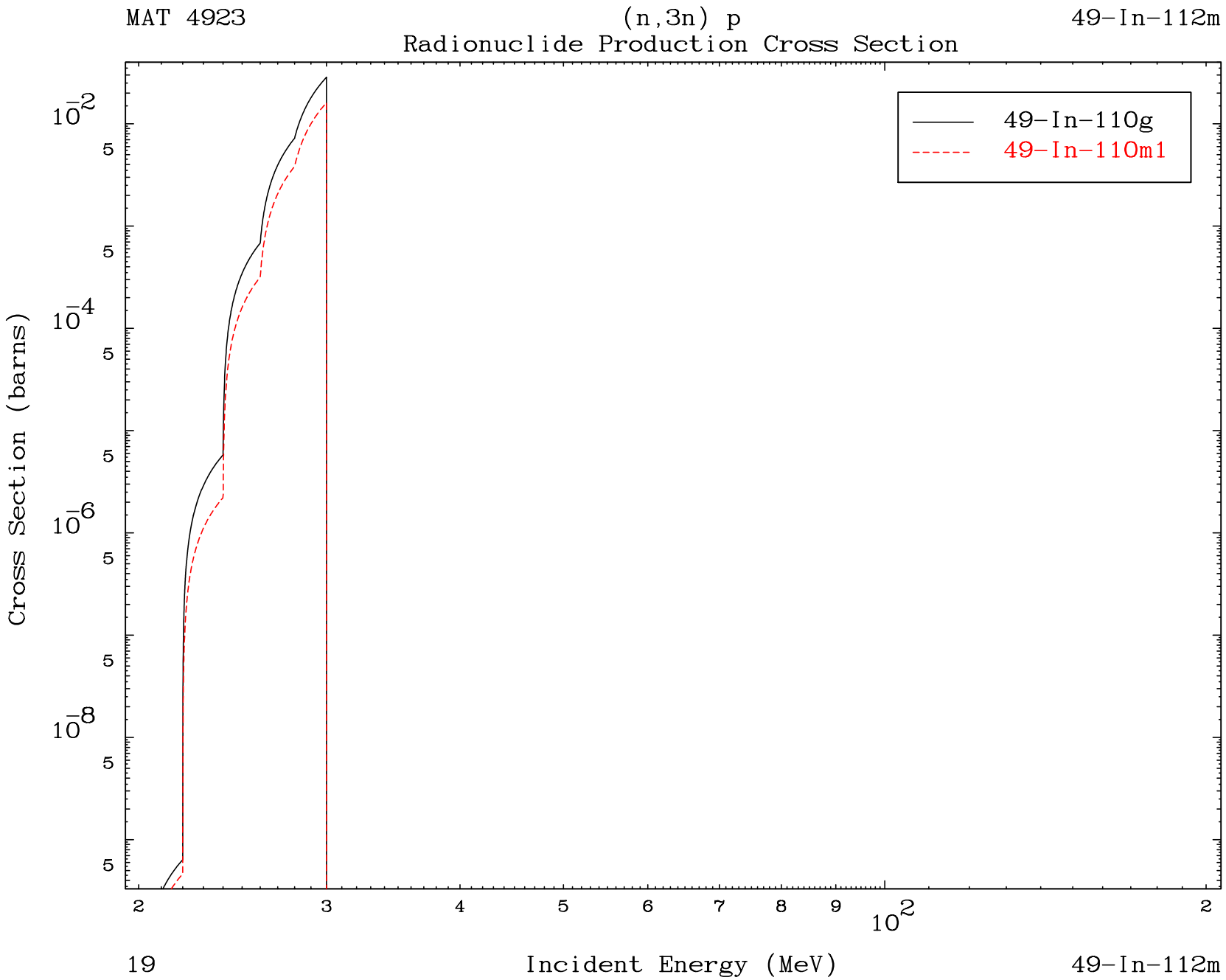

MAT 4923
(n,2n) d
49-In-112m
Radionuclide Production Cross Section
49-In-110g
49-In-110m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
14
49-In-112m

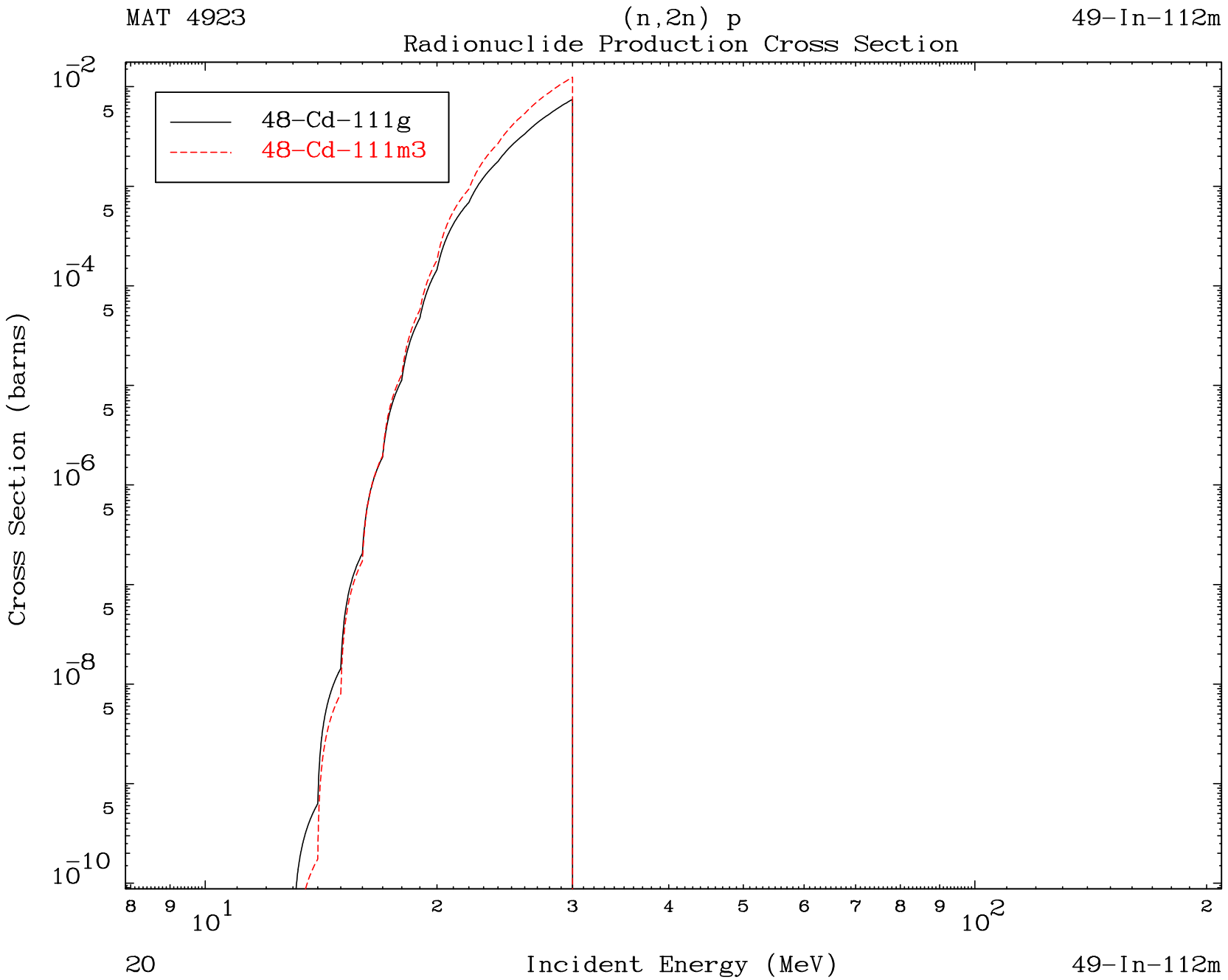

MAT 4923
(n,n') p
49-In-112m
Radionuclide Production Cross Section
49-In-112g
49-In-112m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
4
6
8
101
2
4
6
8
102
2
15
Incident Energy (MeV)
49-In-112m

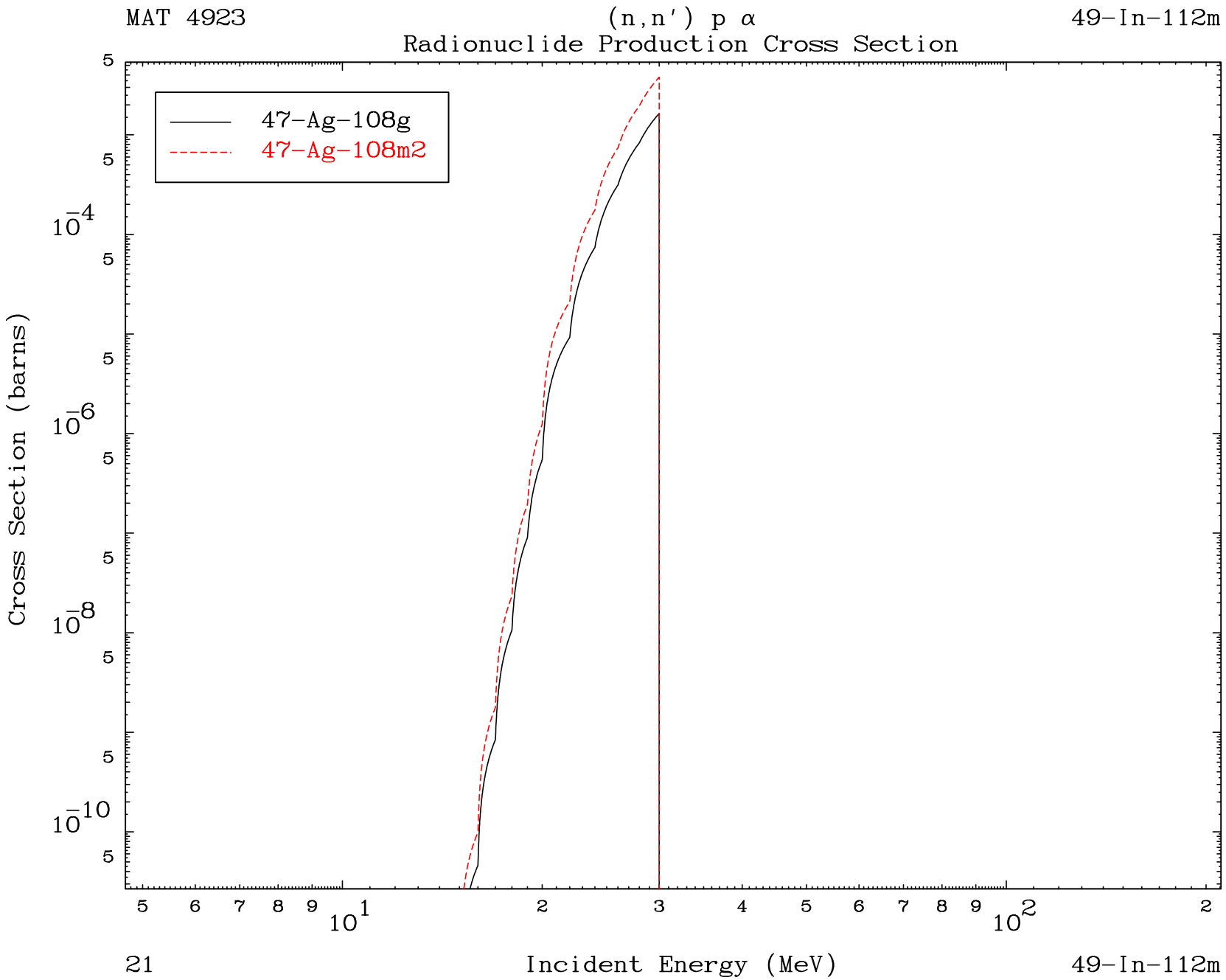

MAT 4923
(n,n') d
49-In-112m
Radionuclide Production Cross Section
49-In-111g
49-In-111m1
Cross Section (barns)
Incident Energy (MeV)
16
49-In-112m

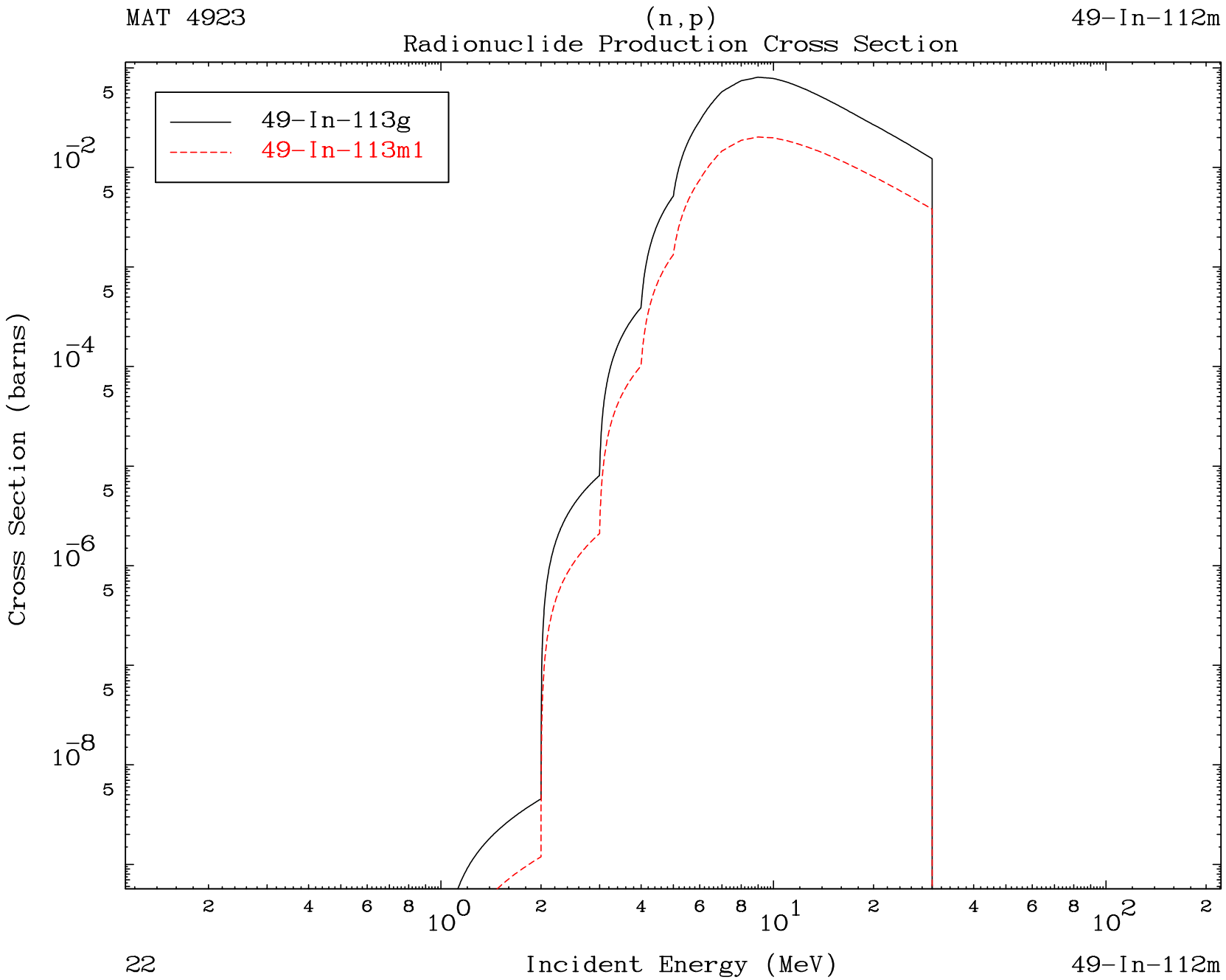

MAT 4923
(n,n') t
49-In-112m
Radionuclide Production Cross Section
49-In-110g
49-In-110m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
49-In-112m

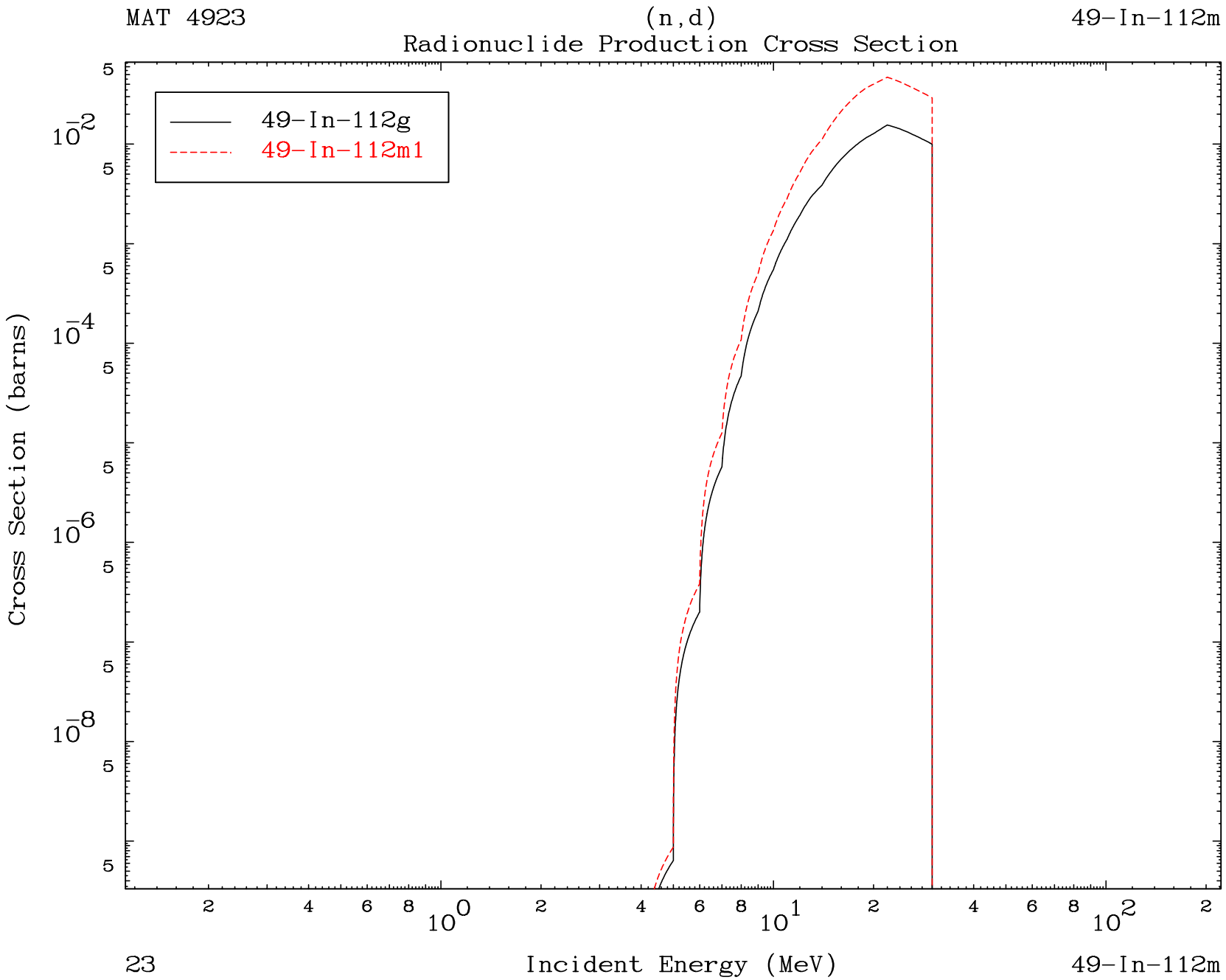

MAT 4923
(n,2n) p
49-In-112m
Radionuclide Production Cross Section
49-In-111g
49-In-111m1
Cross Section (barns)
Incident Energy (MeV)
49-In-112m
18

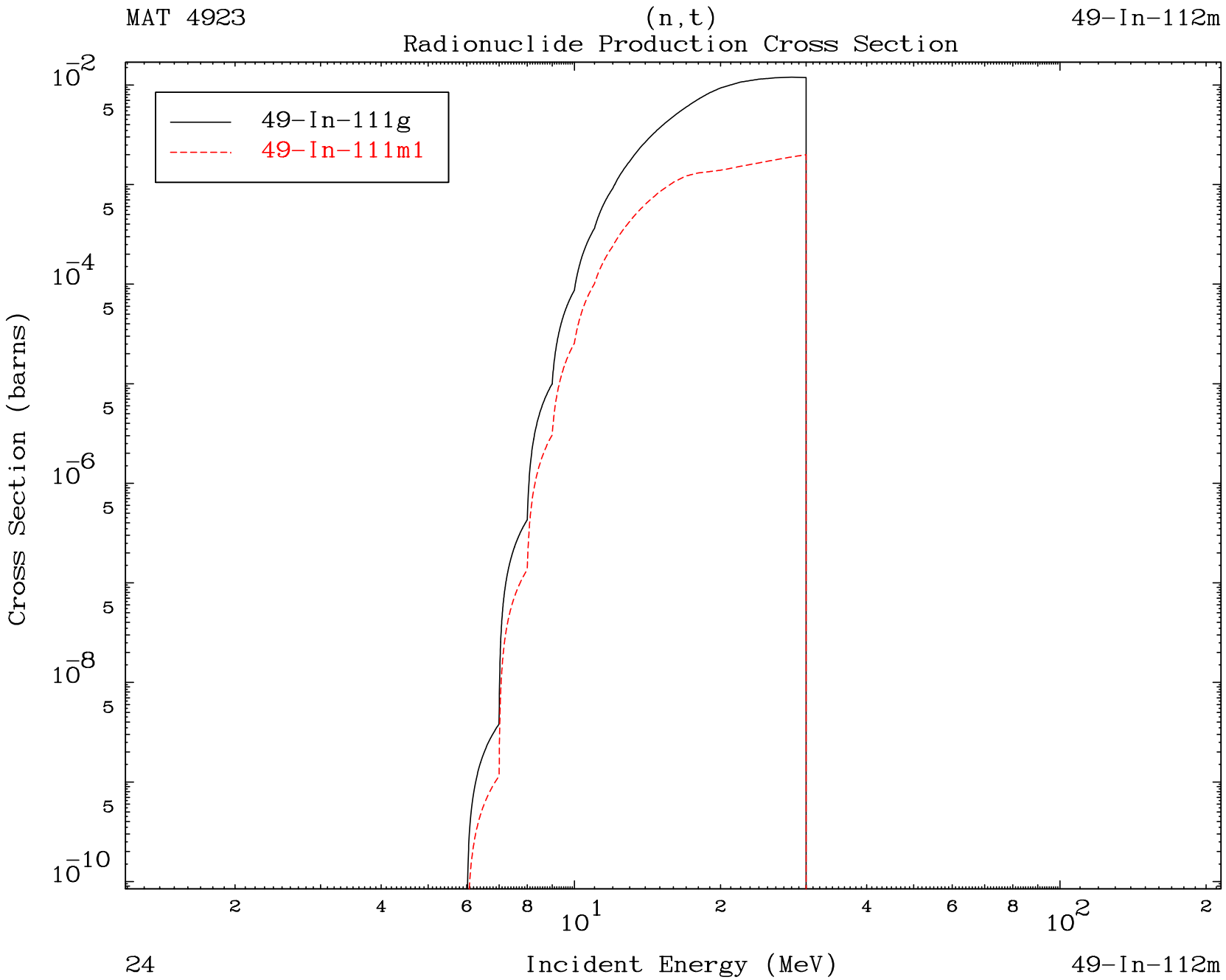

MAT 4923
(n,3n) p
49-In-112m
Radionuclide Production Cross Section
49-In-110g
49-In-110m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
49-In-112m

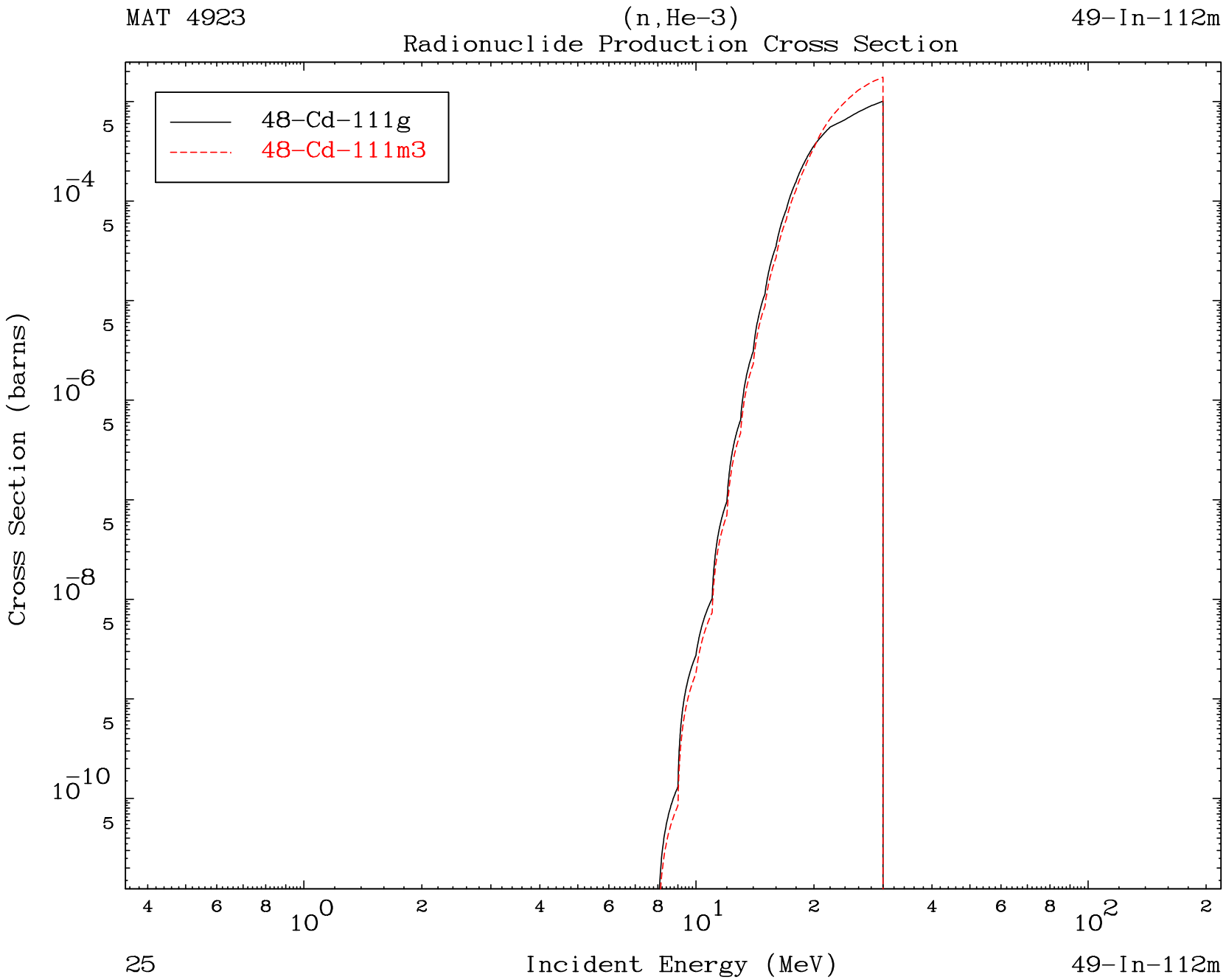

MAT 4923
(n,2n) p
49-In-112m
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
Incident Energy (MeV)
49-In-112m
20

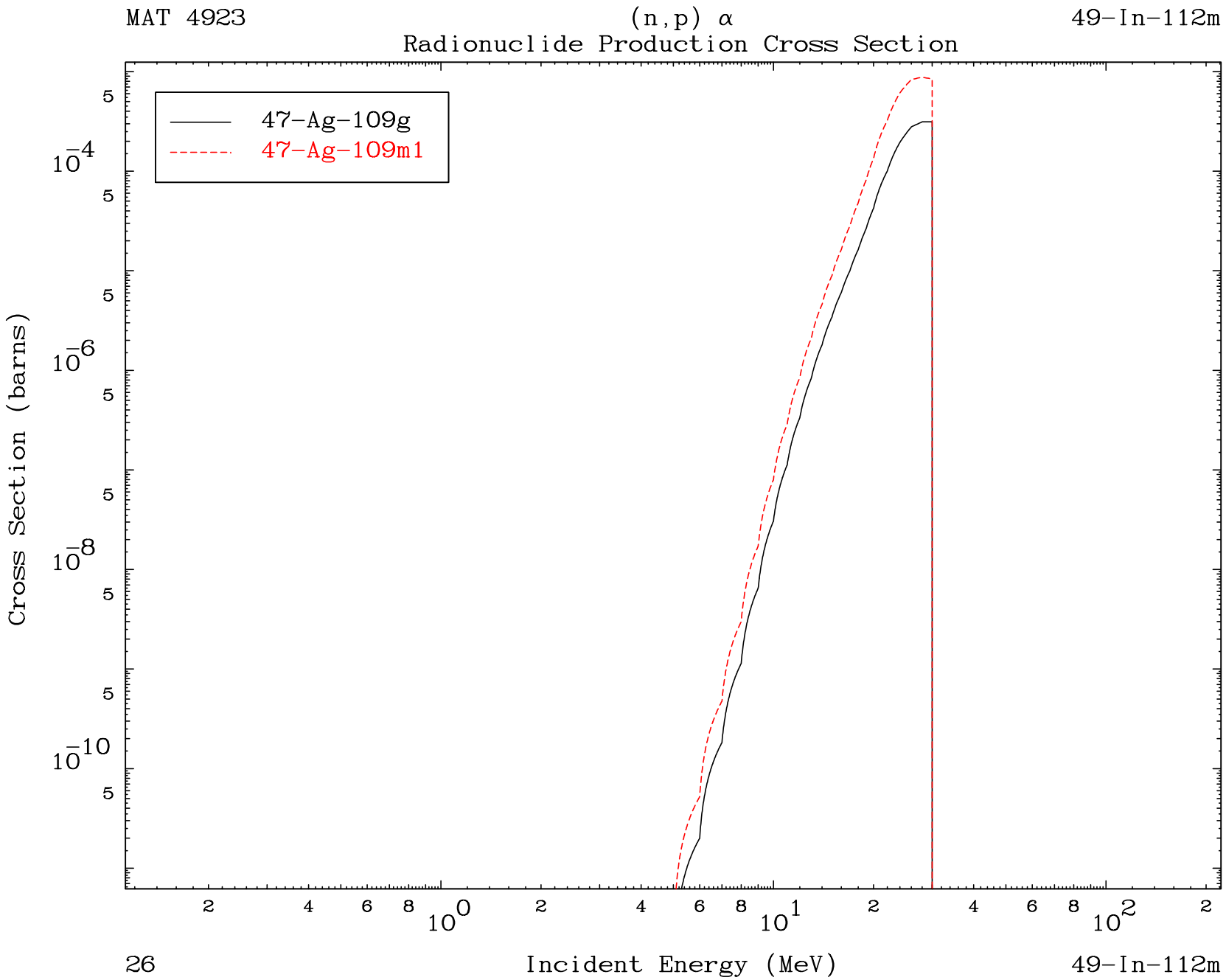

MAT 4923
(n,n') p α
49-In-112m
Radionuclide Production Cross Section
47-Ag-108g
47-Ag-108m2
Cross Section (barns)
Incident Energy (MeV)
21
49-In-112m

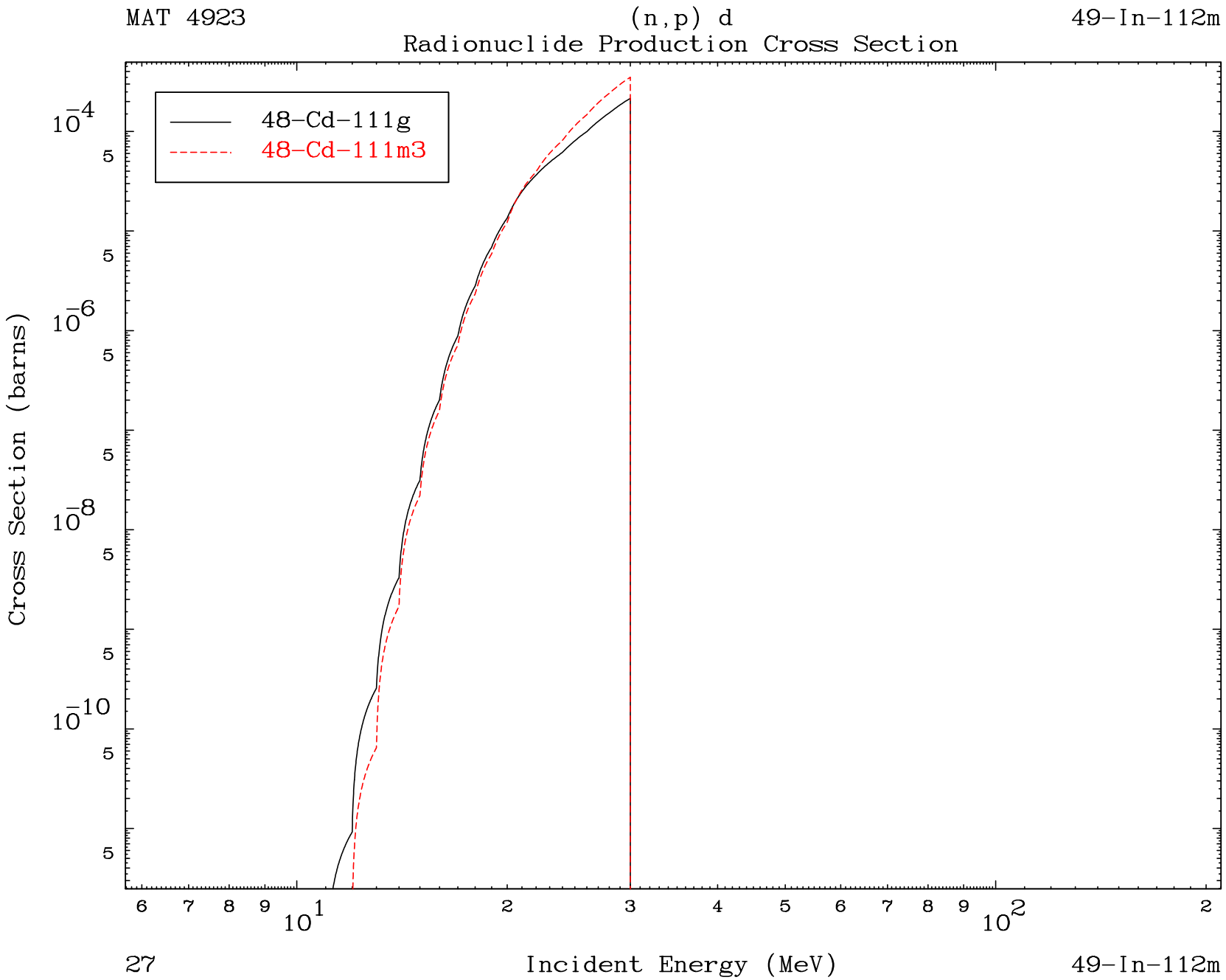

MAT 4923
(n,p)
49-In-112m
Radionuclide Production Cross Section
49-In-113g
49-In-113m1
Cross Section (barns)
Incident Energy (MeV)
22
49-In-112m

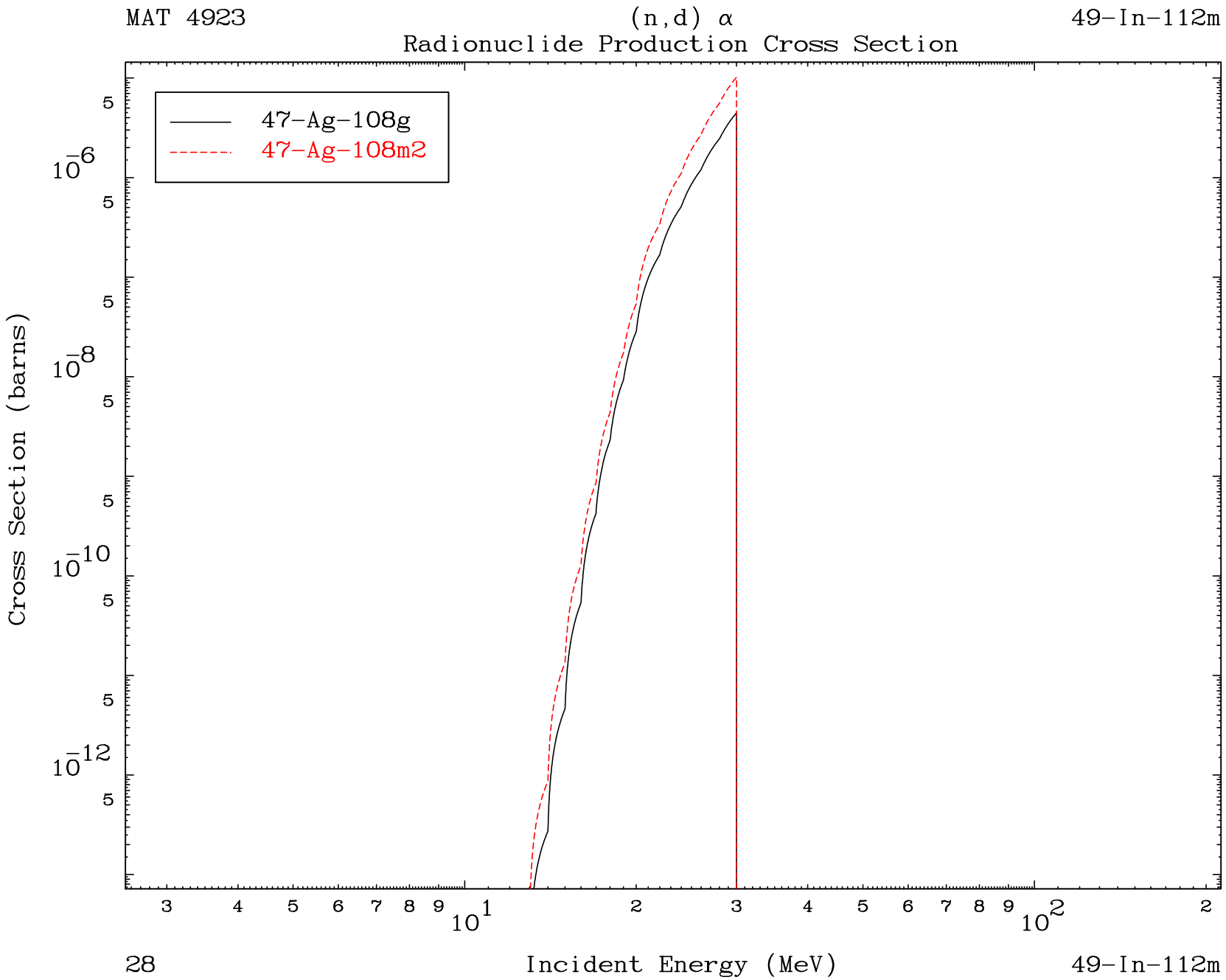

MAT 4923
(n,d)
49-In-112m
Radionuclide Production Cross Section
49-In-112g
49-In-112m1
Cross Section (barns)
Incident Energy (MeV)
23
49-In-112m


MAT 4923
(n,t)
49-In-112m
Radionuclide Production Cross Section
49-In-111g
49-In-111m1
Cross Section (barns)
Incident Energy (MeV)
24
49-In-112m


MAT 4923
(n,He-3)
49-In-112m
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
25
49-In-112m


MAT 4923
(n,p) α
49-In-112m
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
26
49-In-112m


MAT 4923
(n,p) d
49-In-112m
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10 1
10 2
27
49-In-112m


MAT 4923
(n,d) α
49-In-112m
Radionuclide Production Cross Section
47-Ag-108g
47-Ag-108m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
28
49-In-112m