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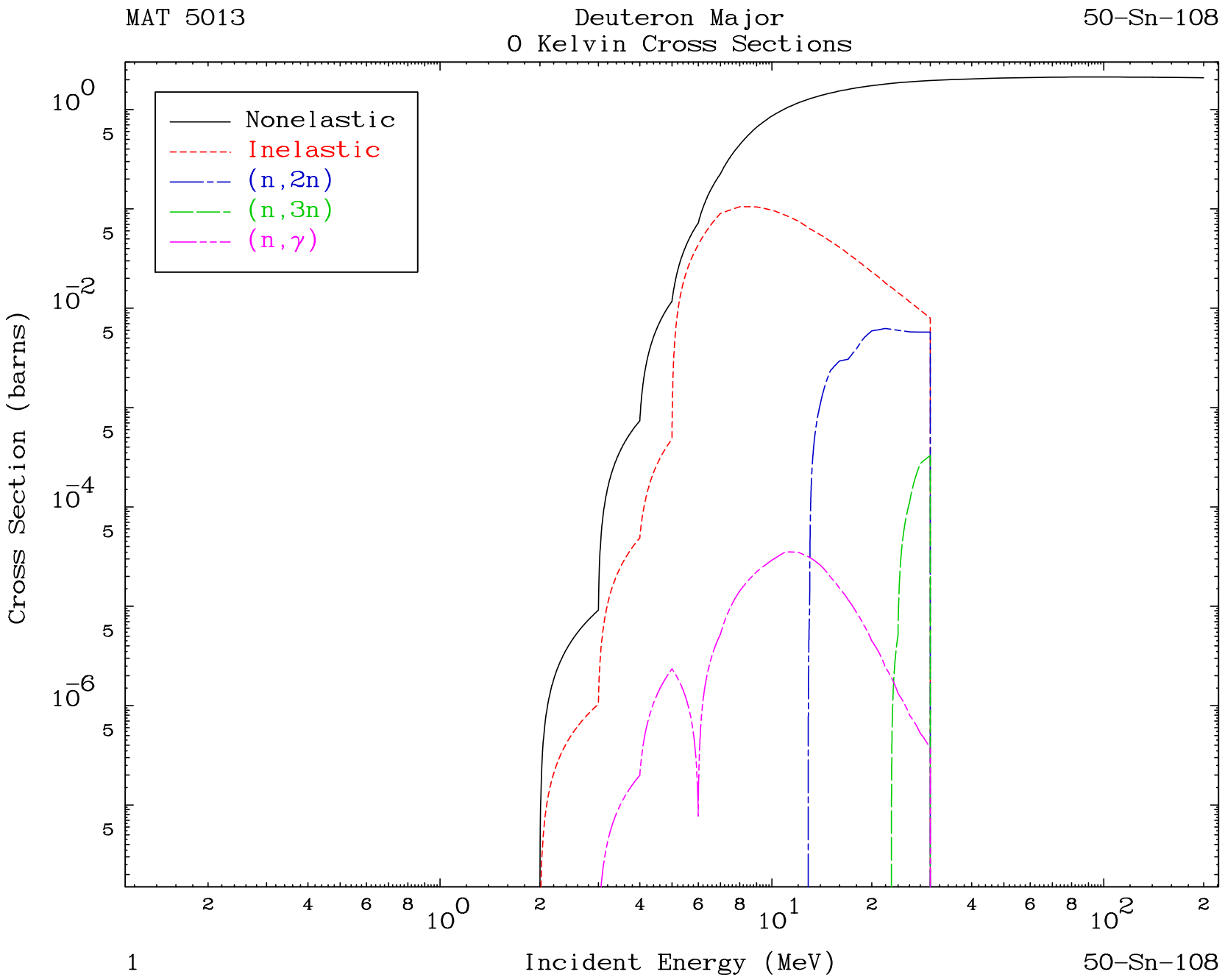
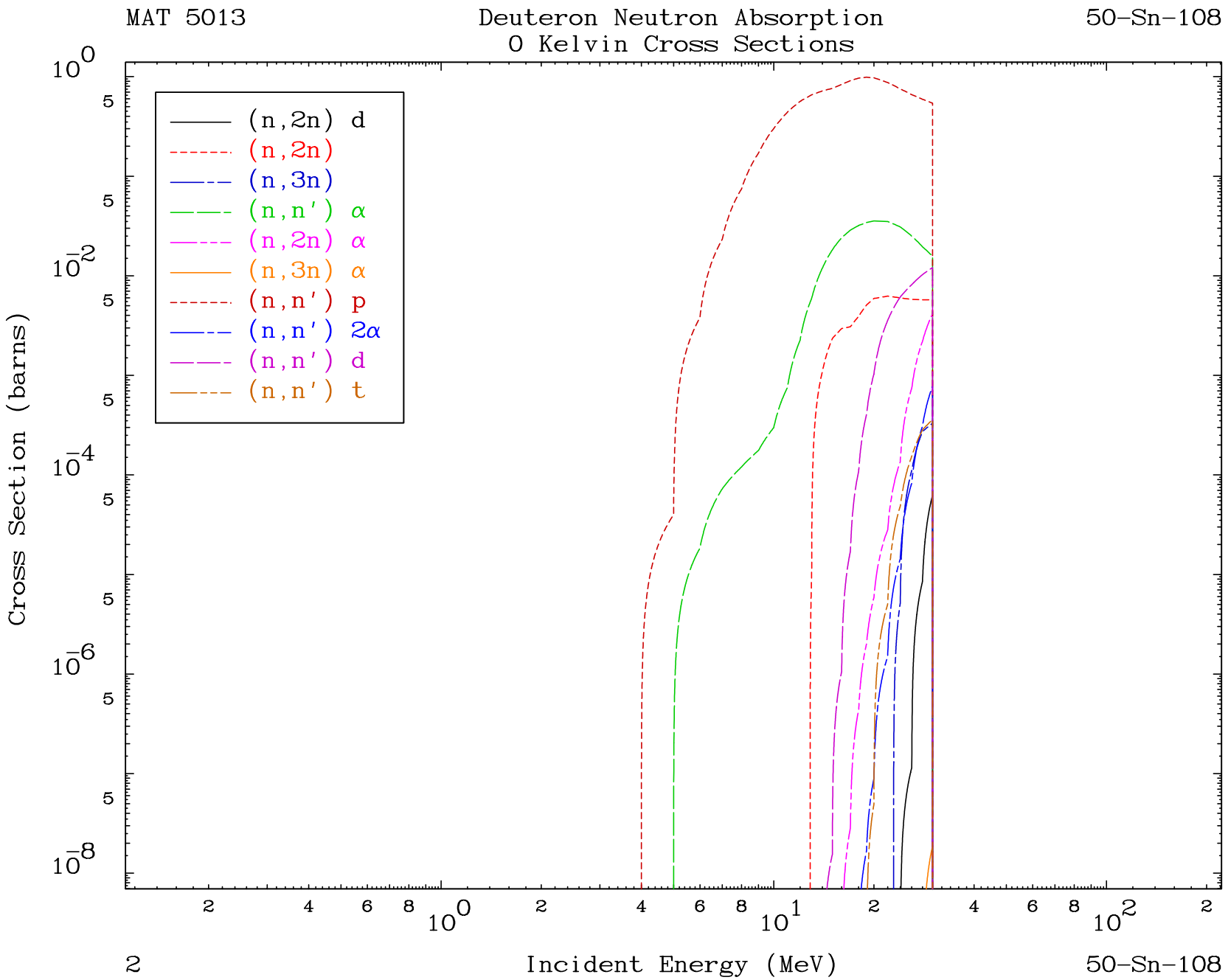
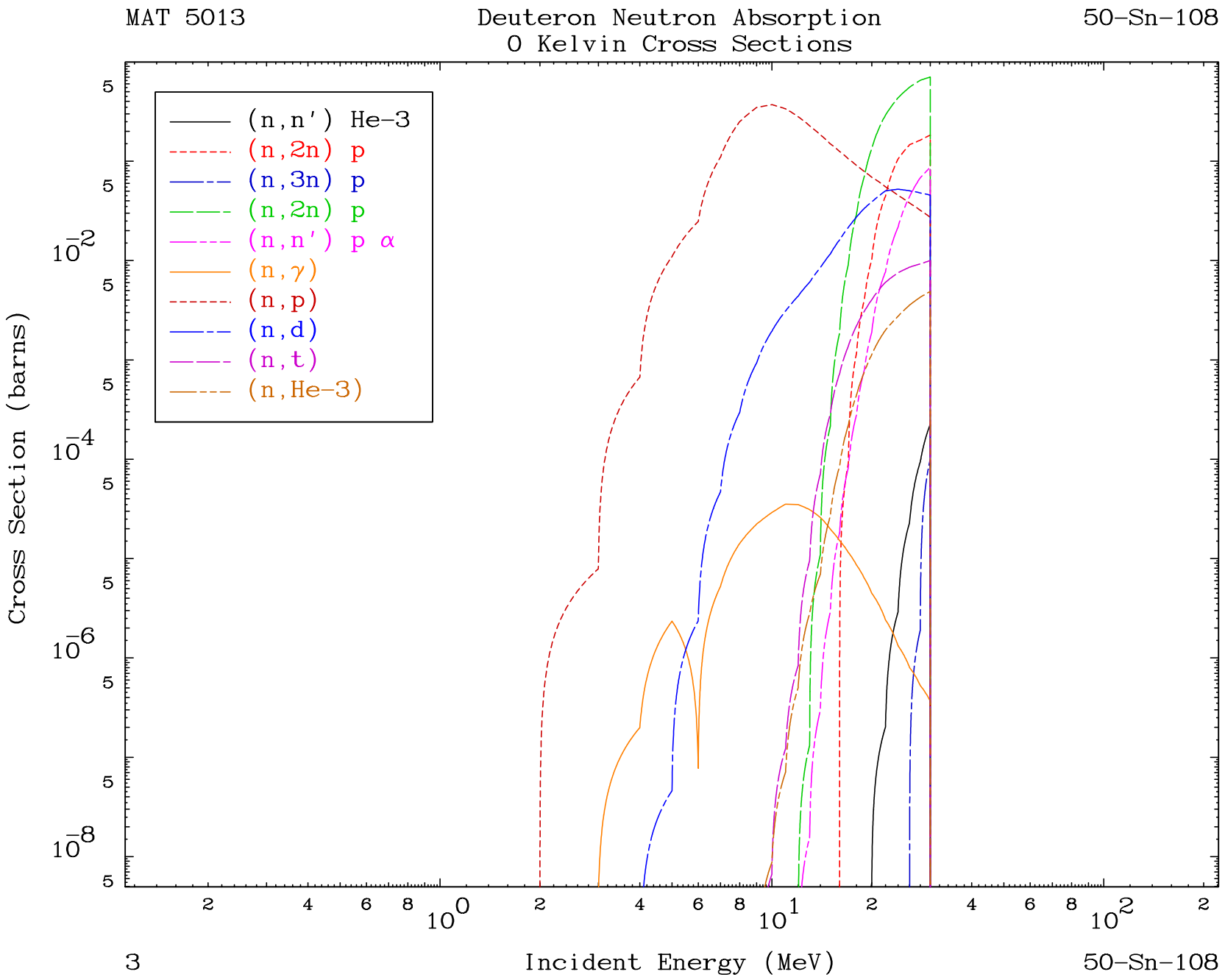
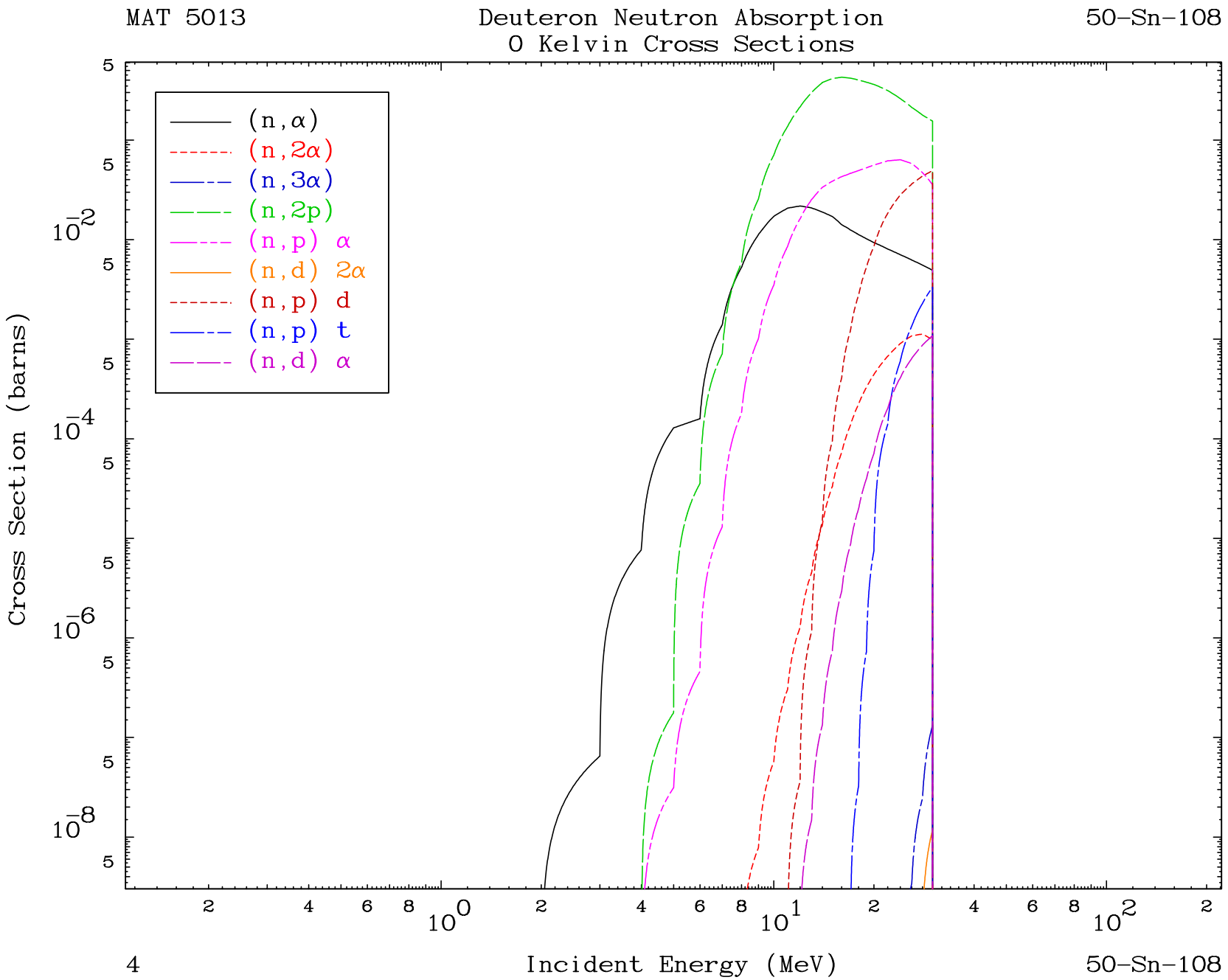
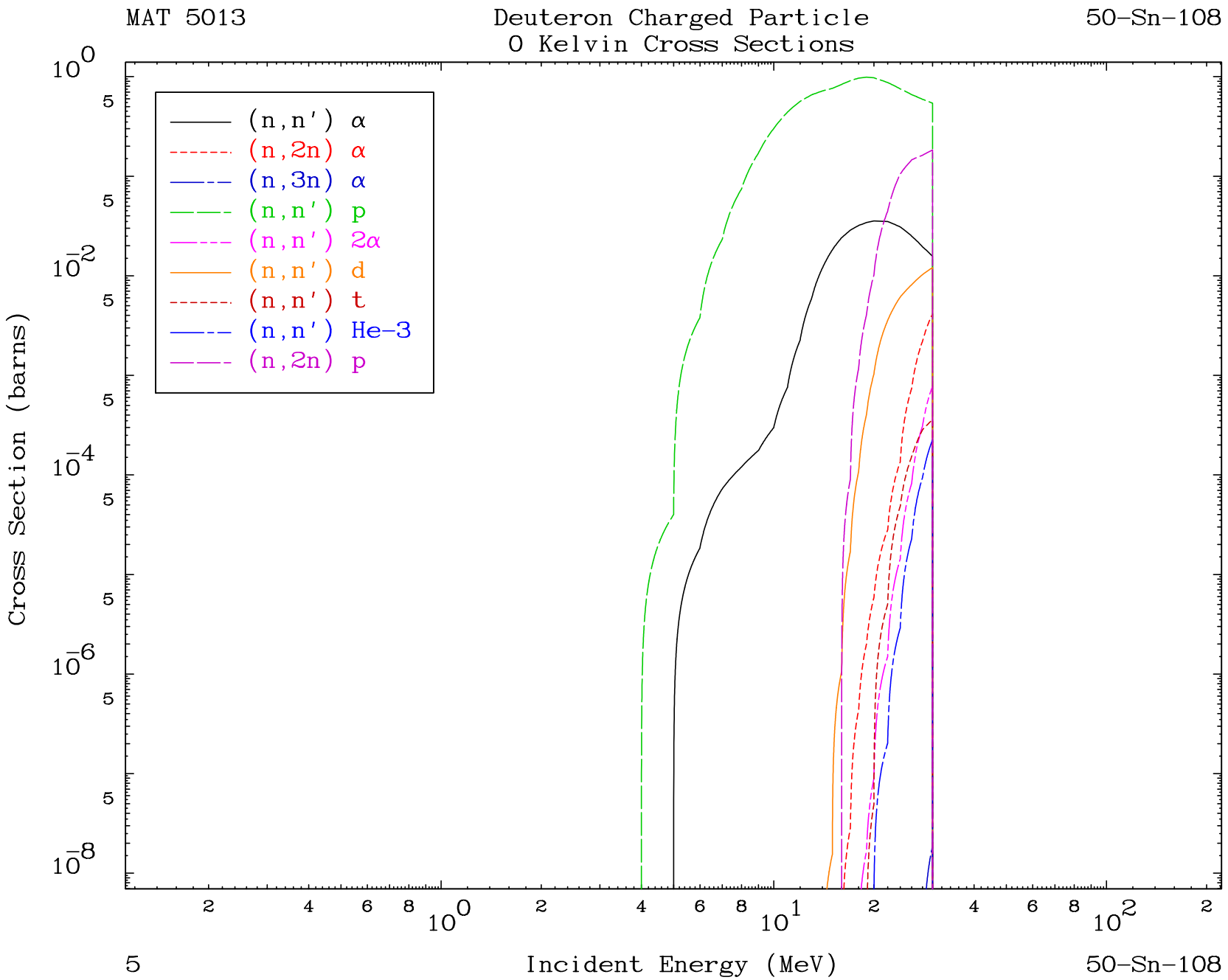
Press Mouse Button to Start

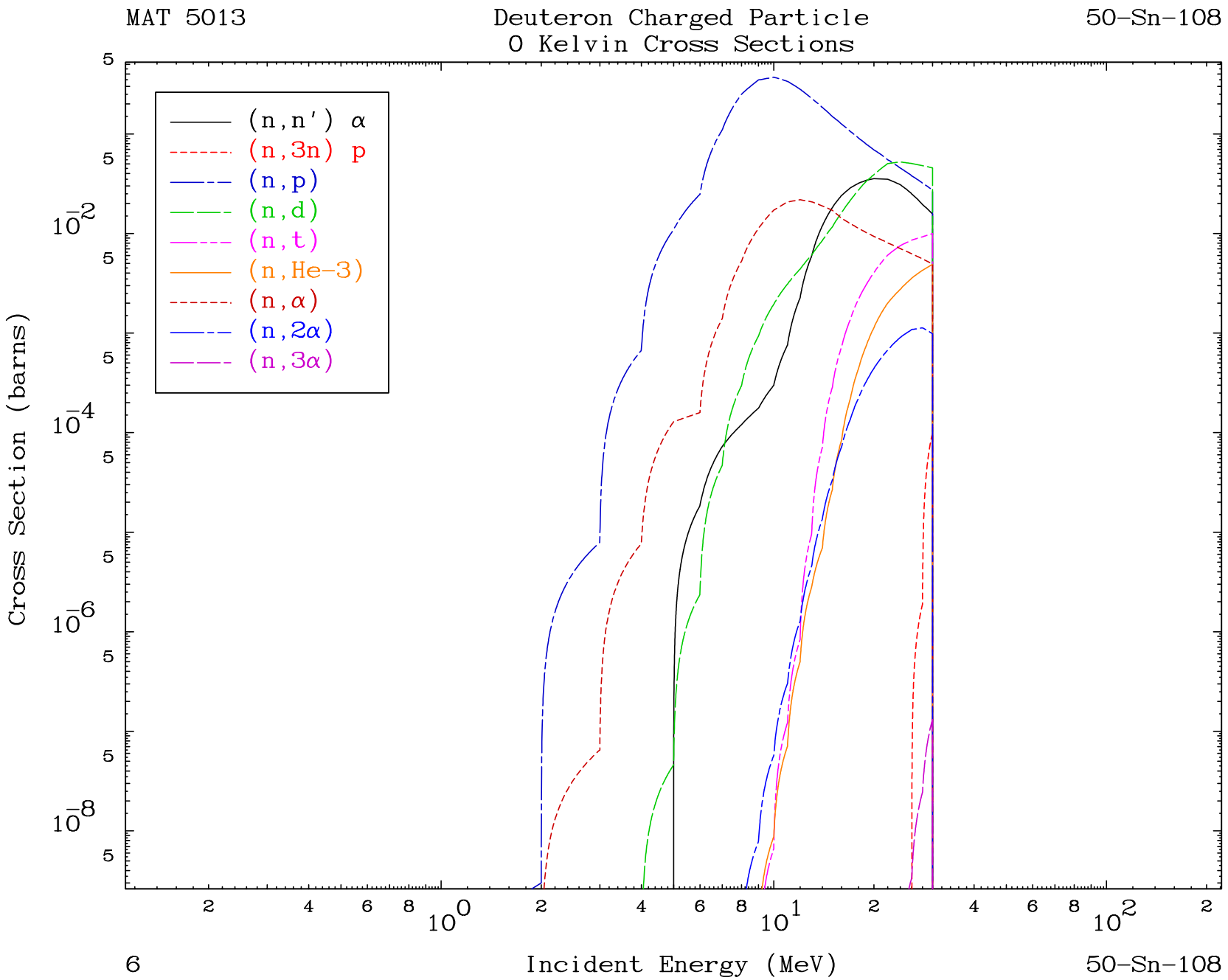

MAT 5013
Deuteron Major
50-Sn-108
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
50-Sn-108

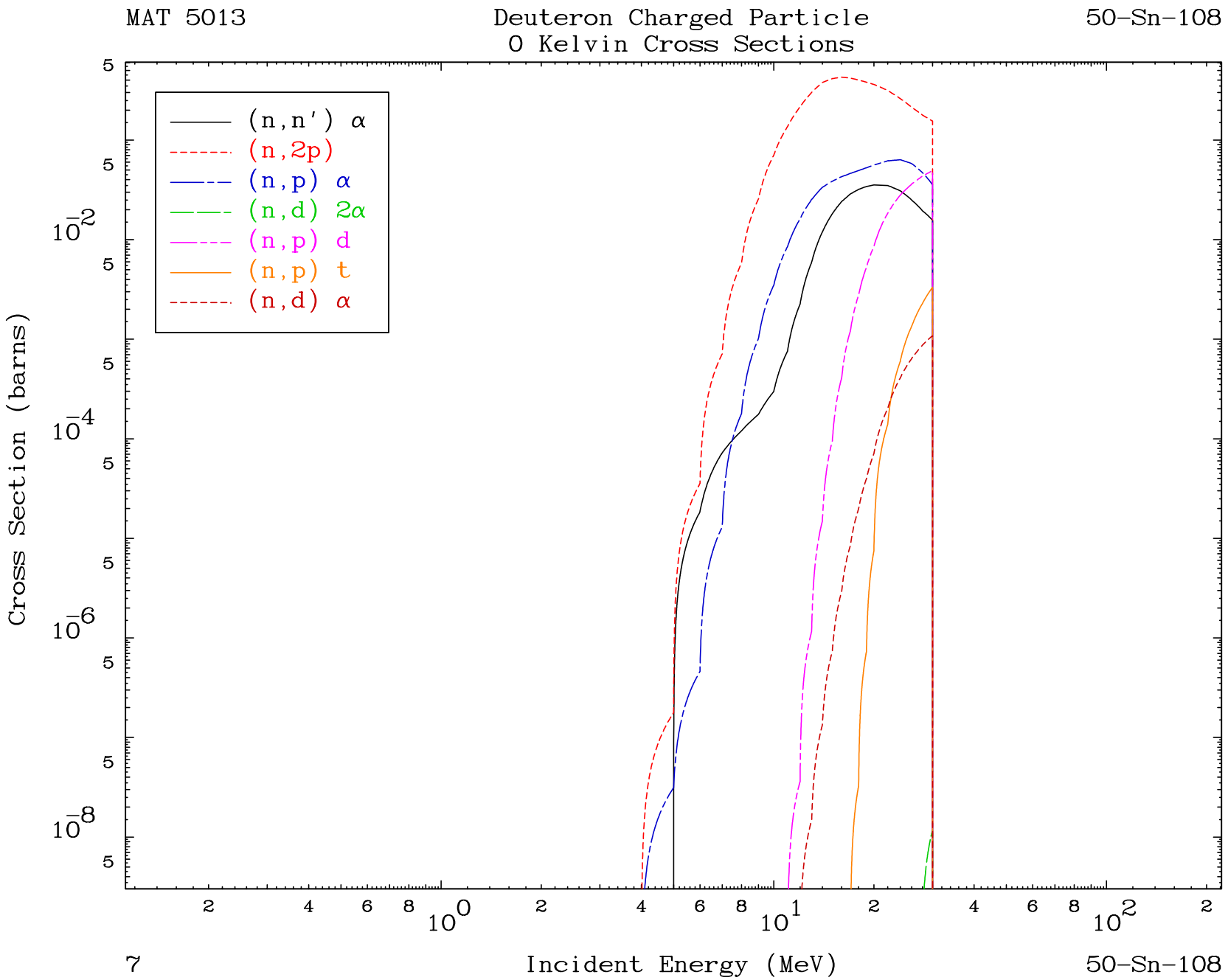

MAT 5013
Deuteron Neutron Absorption
0 Kelvin Cross Sections
50-Sn-108
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
50-Sn-108
2

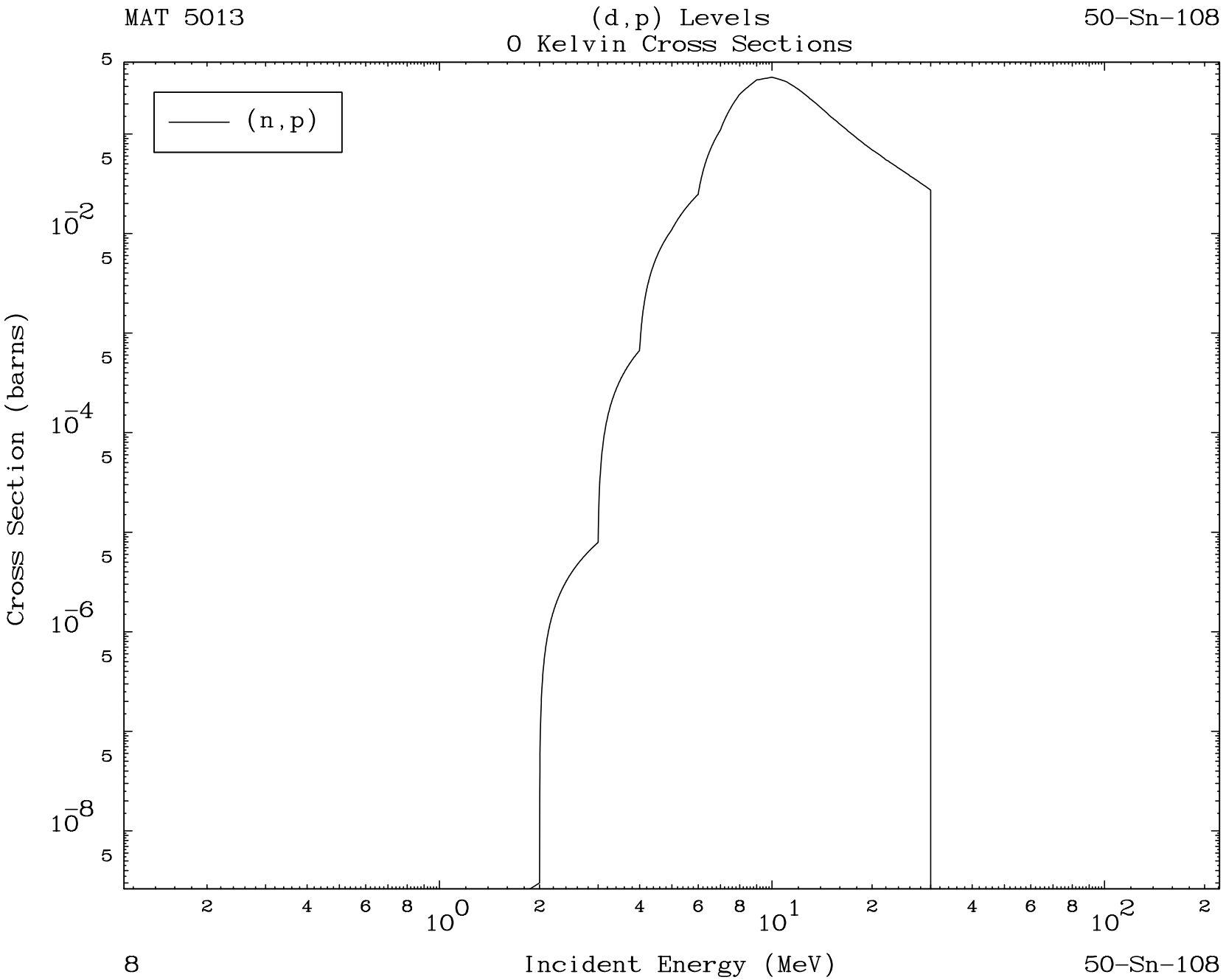

MAT 5013
Deuteron Neutron Absorption
0 Kelvin Cross Sections
50-Sn-108
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-108

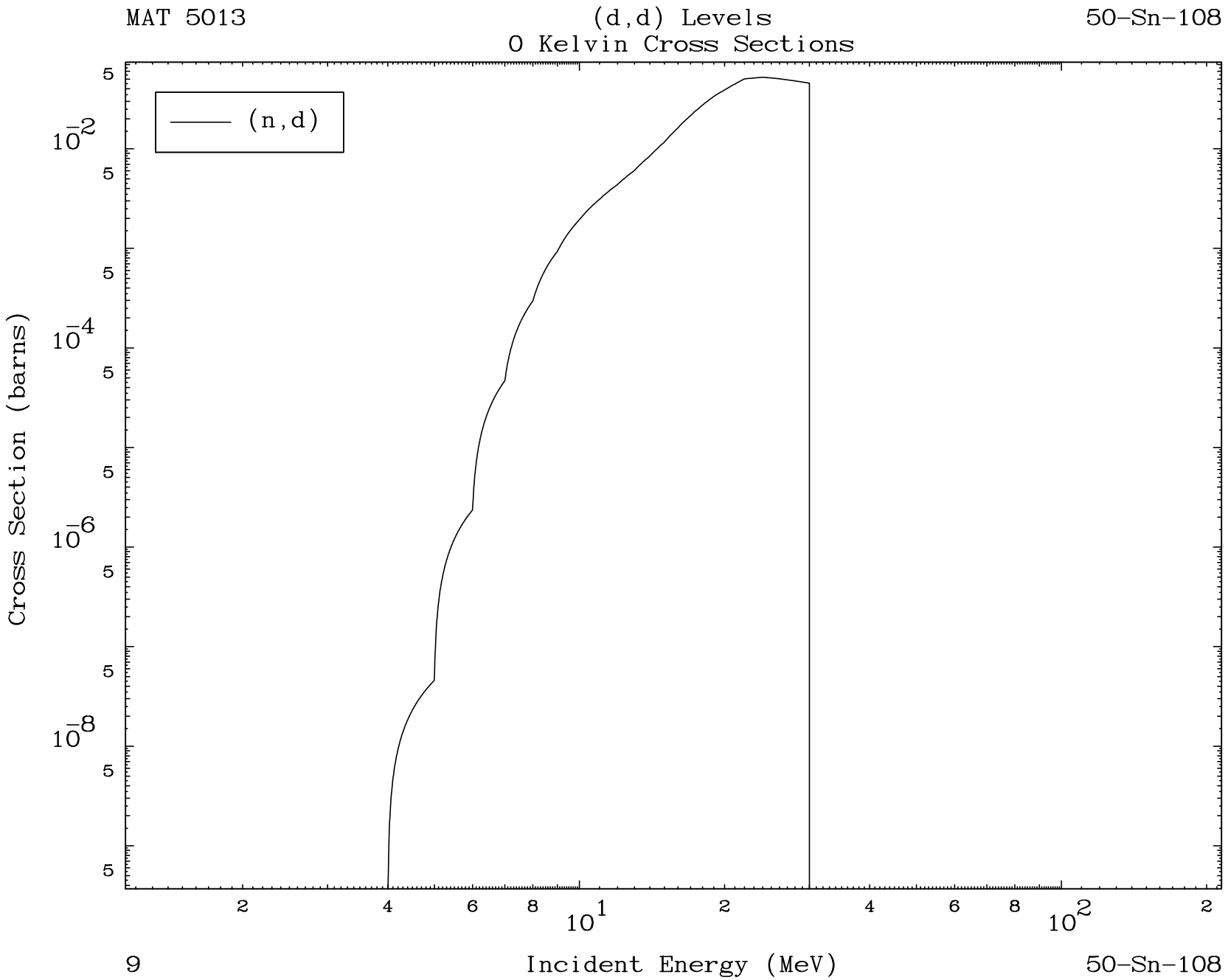

MAT 5013
Deuteron Neutron Absorption
0 Kelvin Cross Sections
50-Sn-108
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
50-Sn-108
4

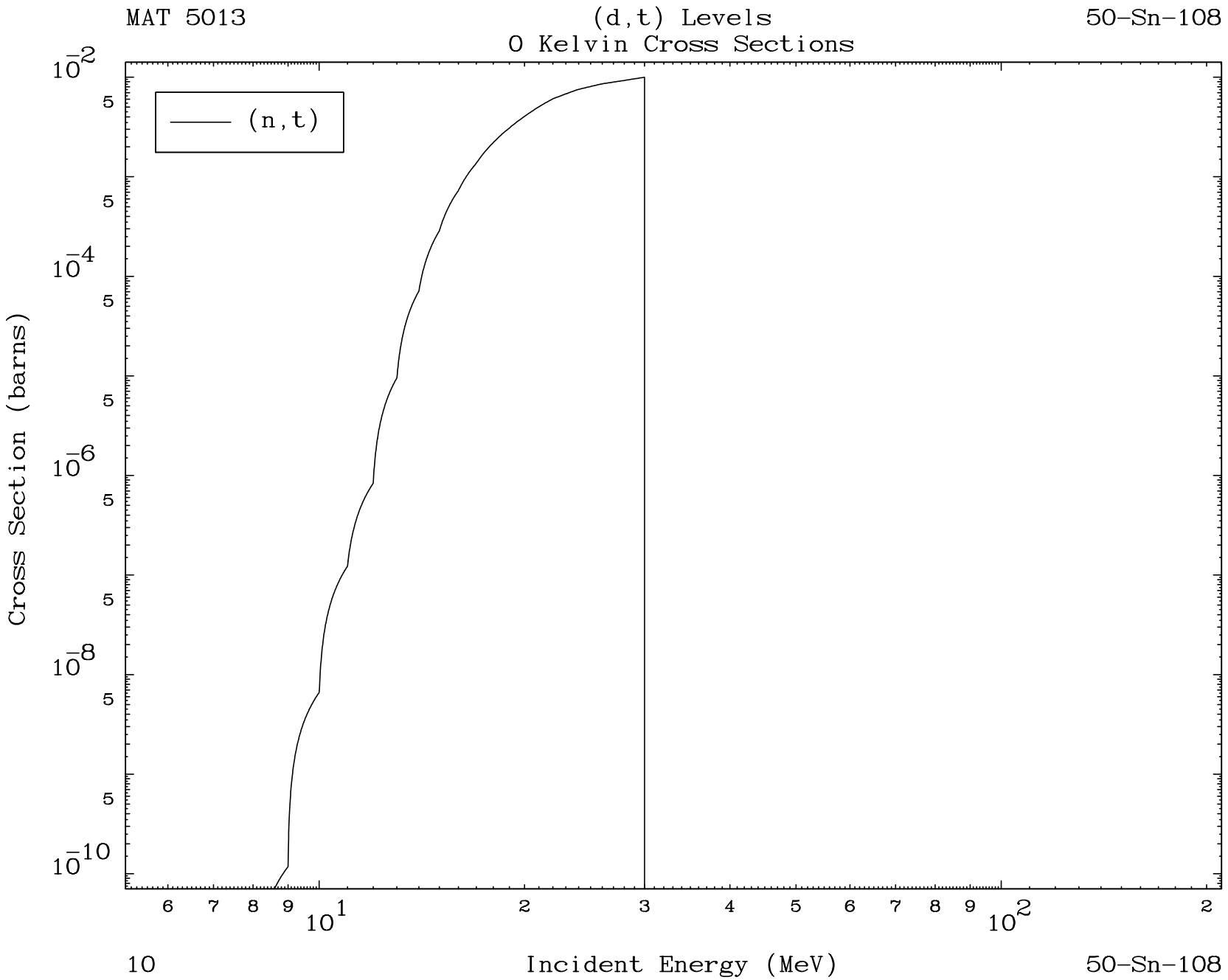

MAT 5013
Deuteron Charged Particle
0 Kelvin Cross Sections
50-Sn-108
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
50-Sn-108
5

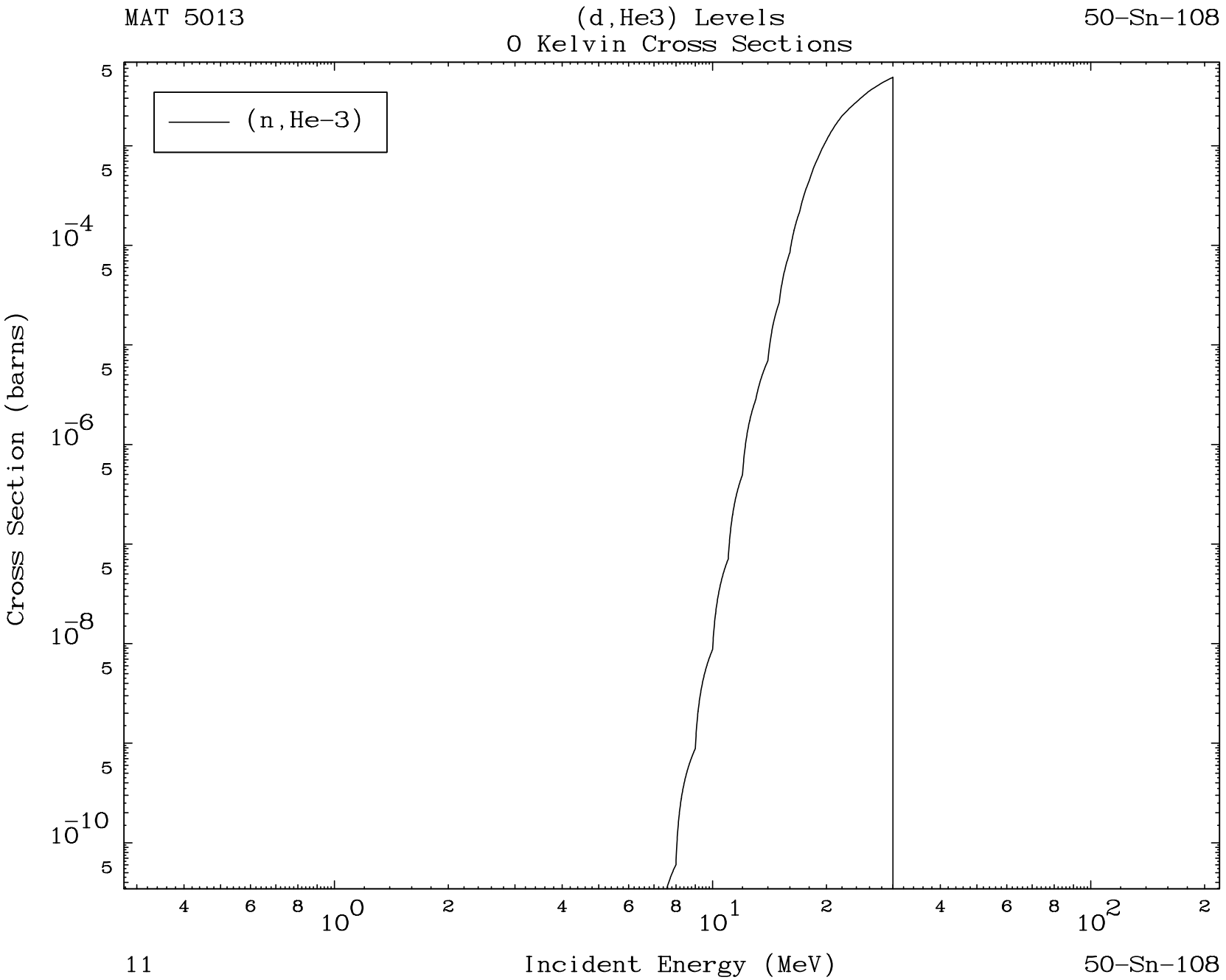

MAT 5013
Deuteron Charged Particle
0 Kelvin Cross Sections
50-Sn-108
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
Incident Energy (MeV)
6
50-Sn-108

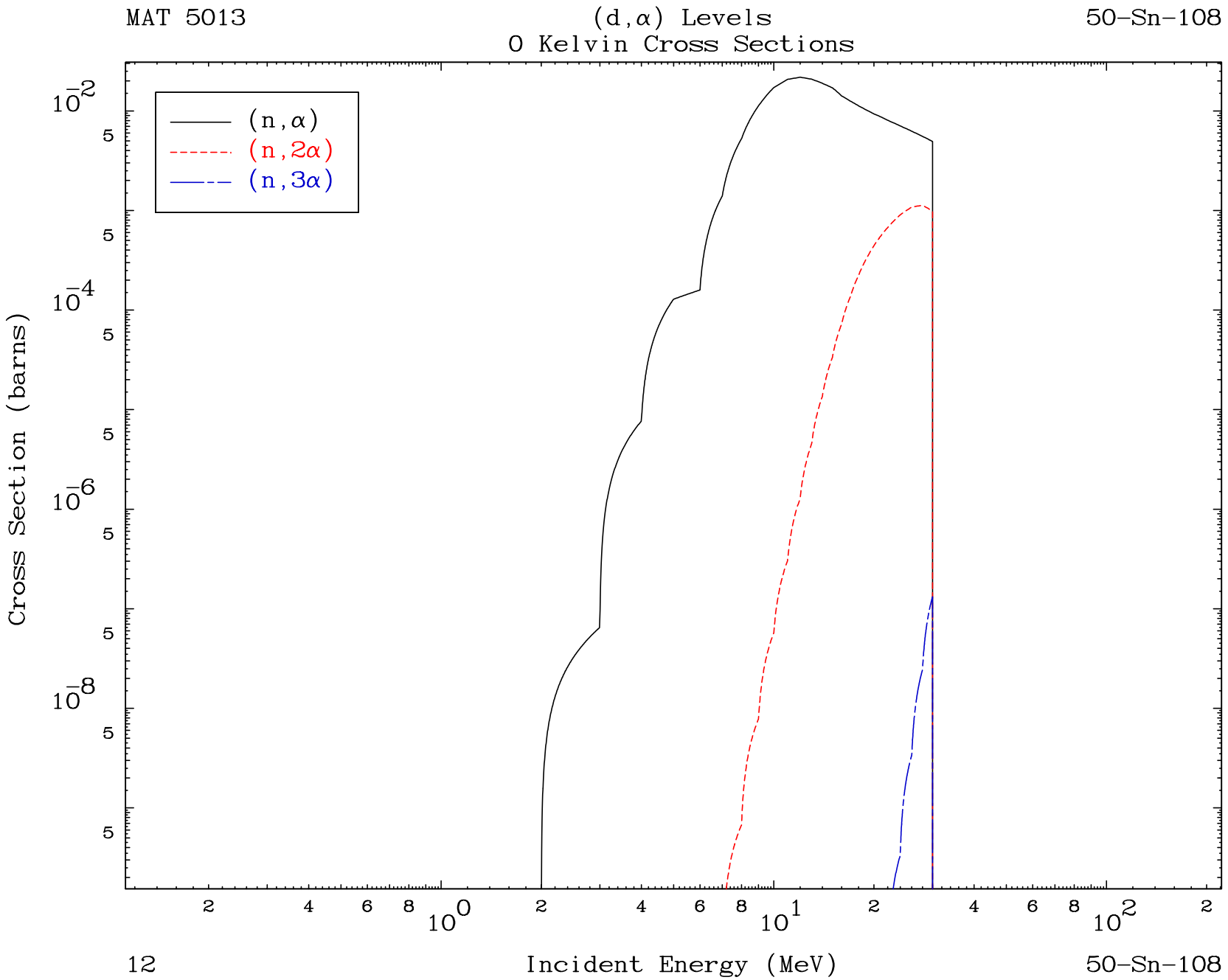

MAT 5013
Deuteron Charged Particle
0 Kelvin Cross Sections
50-Sn-108
(n,n') α
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
50-Sn-108

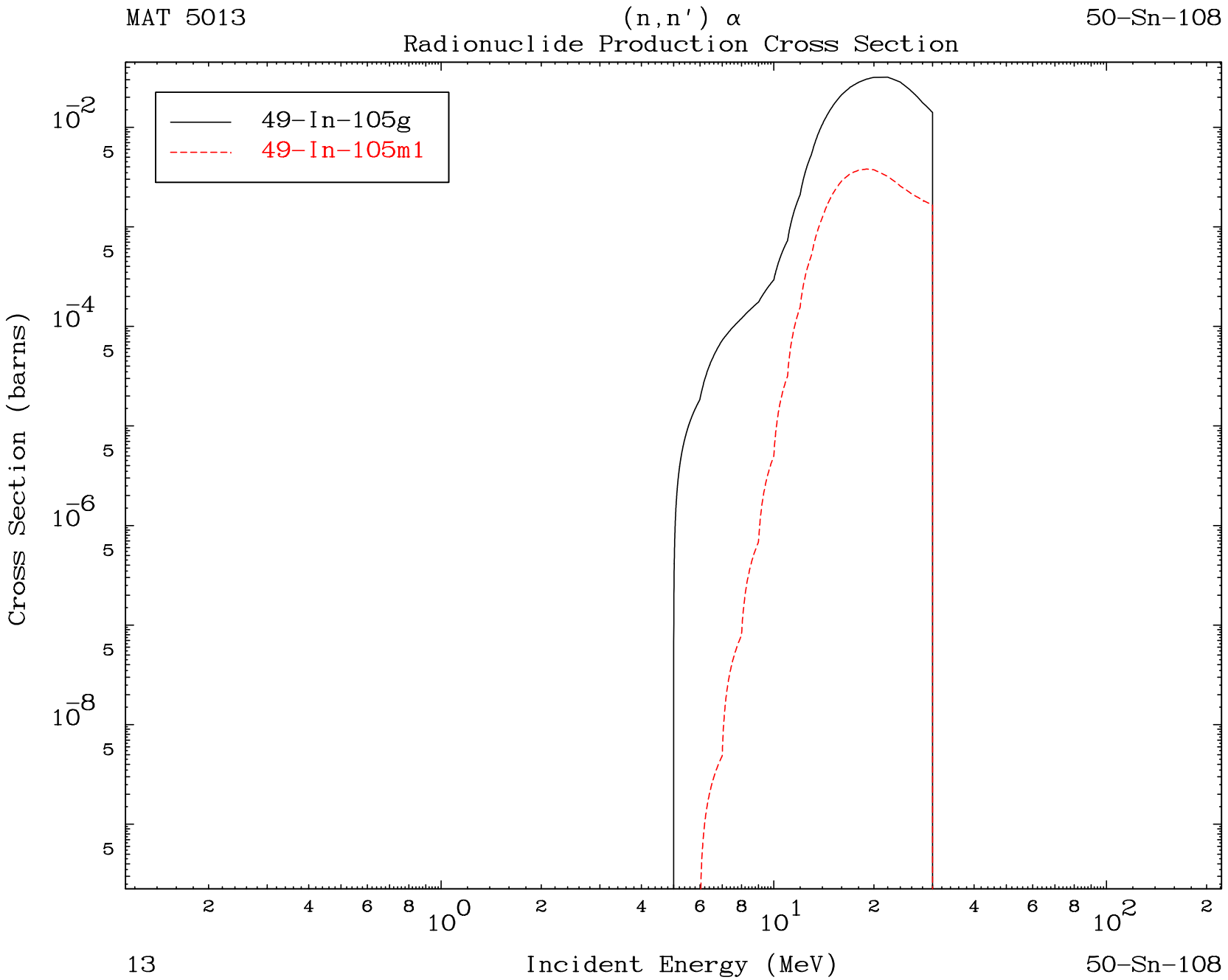

MAT 5013
(d,p) Levels
50-Sn-108
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
50-Sn-108

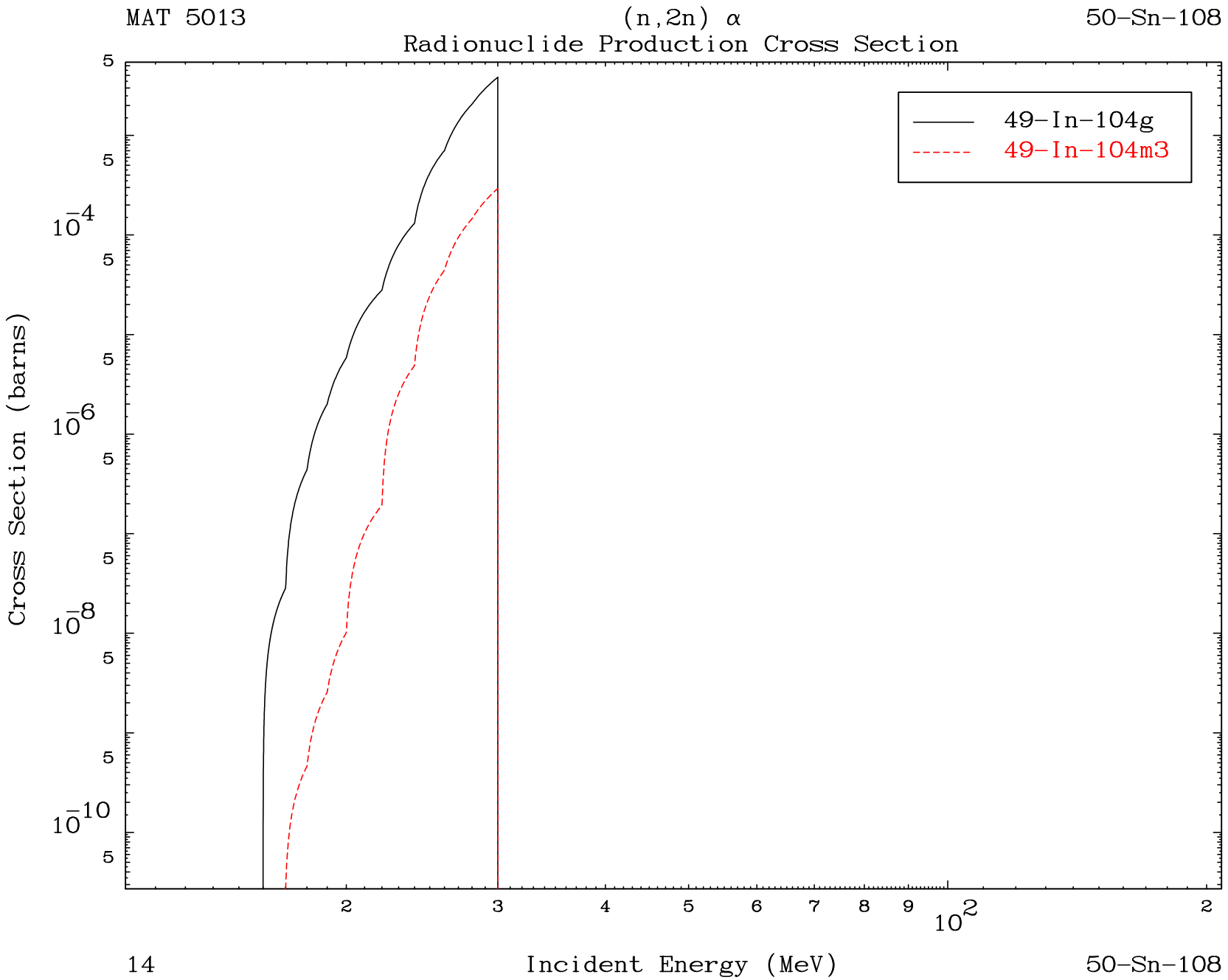

MAT 5013
(d,d) Levels
50-Sn-108
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
50-Sn-108

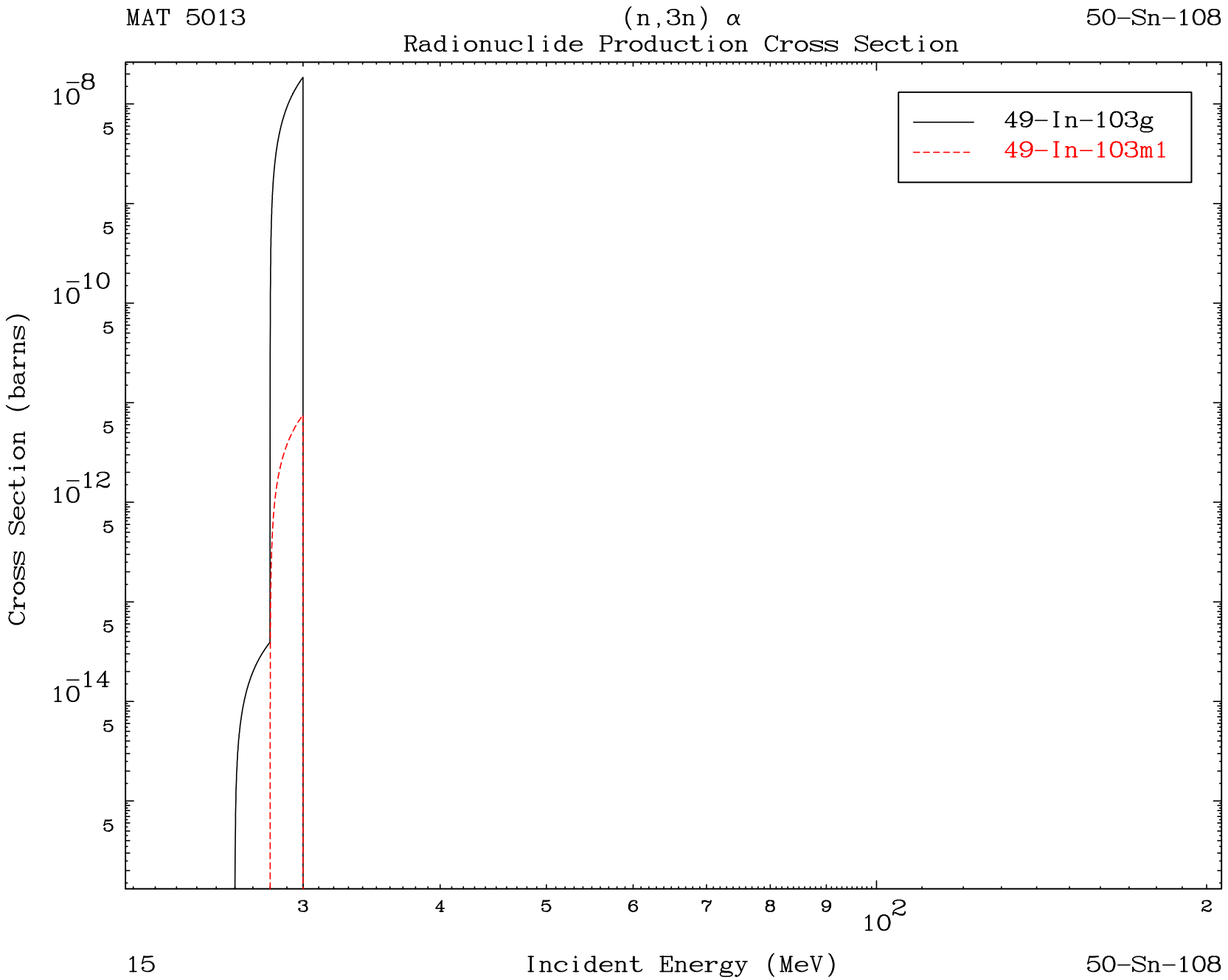

MAT 5013
(d,t) Levels
50-Sn-108
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-108
10

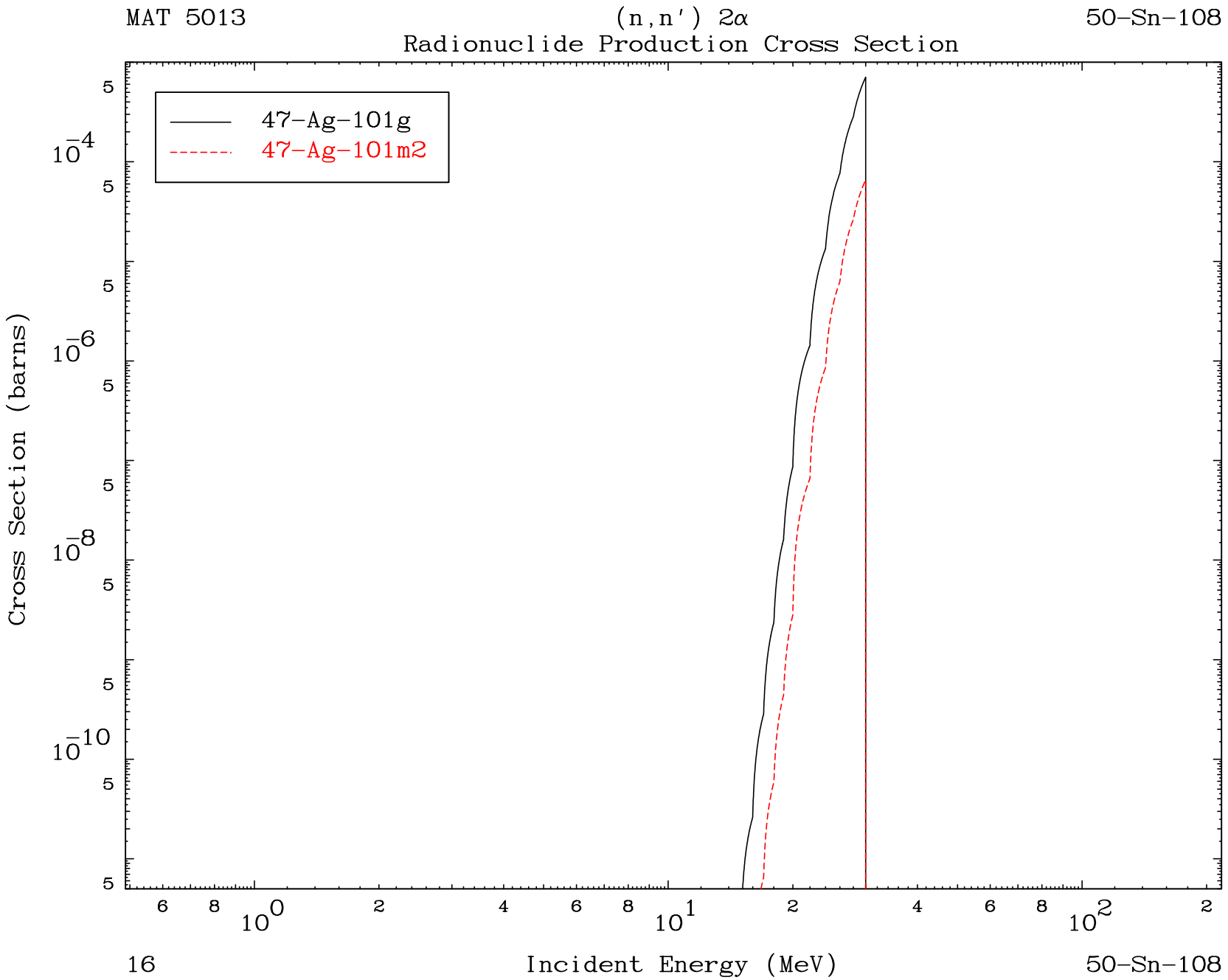

MAT 5013
(d,He3) Levels
50-Sn-108
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
50-Sn-108

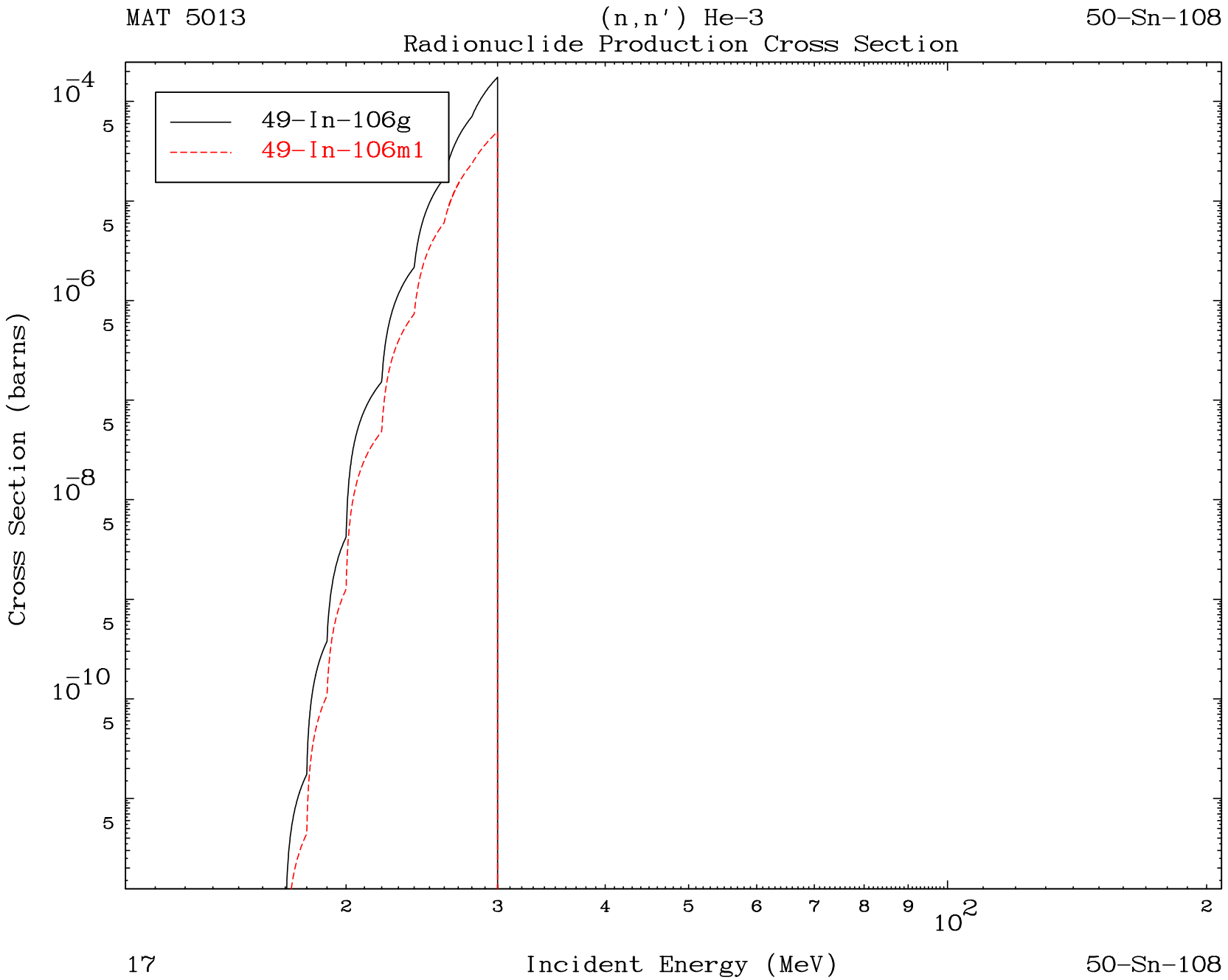

MAT 5013
(d,α) Levels
50-Sn-108
0 Kelvin Cross Sections
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
12
Incident Energy (MeV)
50-Sn-108

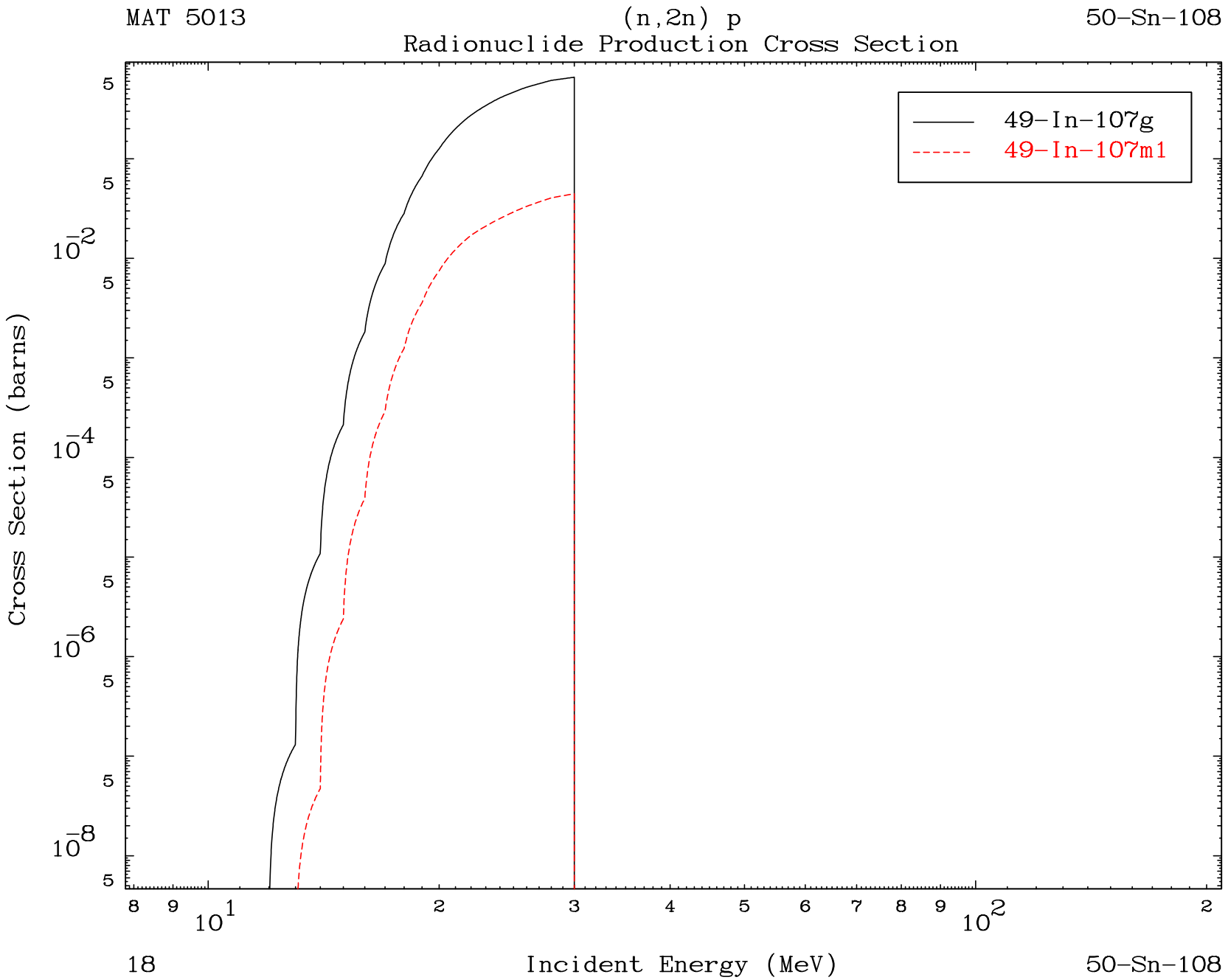

MAT 5013
(n,n') α
50-Sn-108
Radionuclide Production Cross Section
49-In-105g
49-In-105m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
13
Incident Energy (MeV)
50-Sn-108

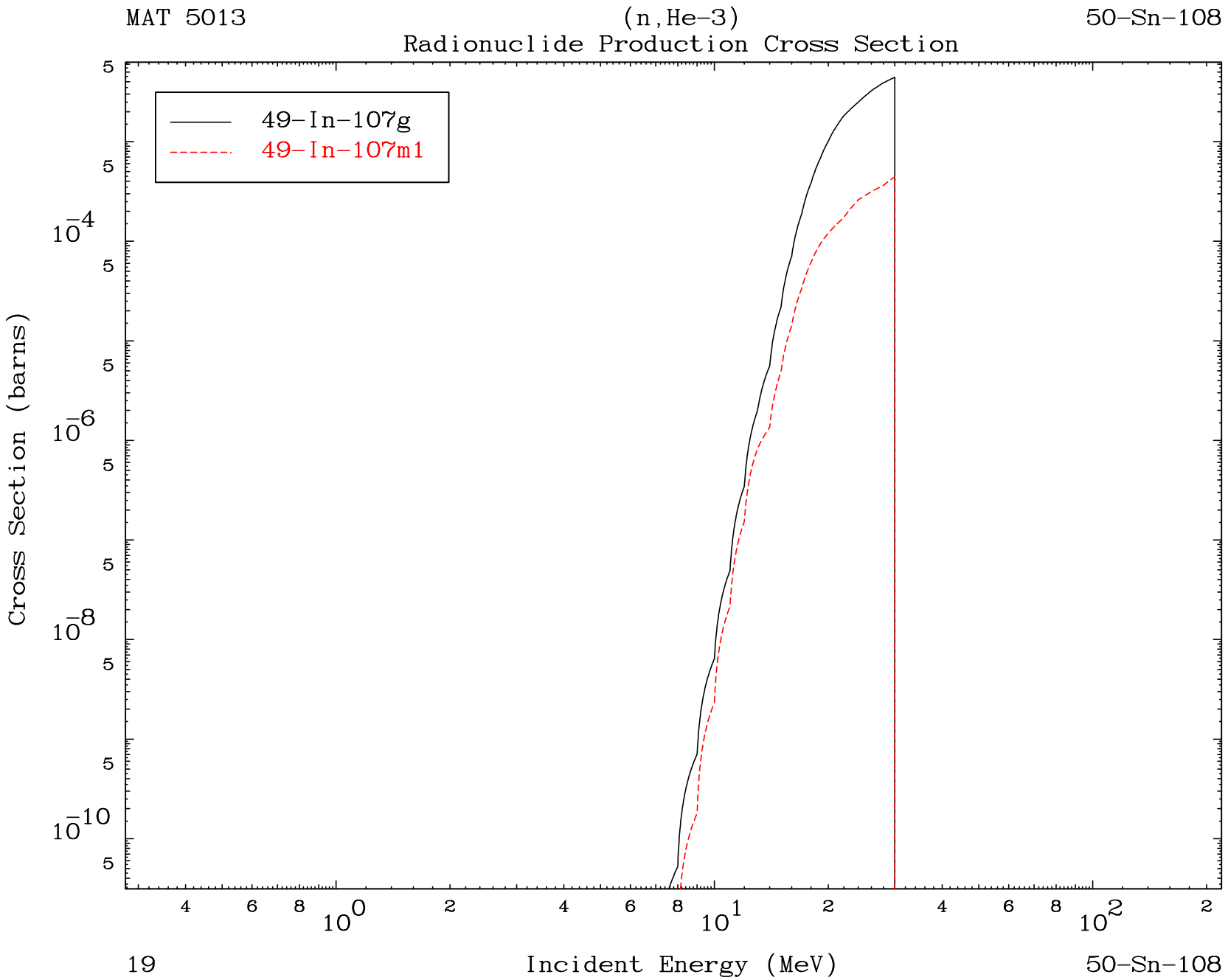

MAT 5013
(n,2n) α
50-Sn-108
Radionuclide Production Cross Section
49-In-104g
49-In-104m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
50-Sn-108

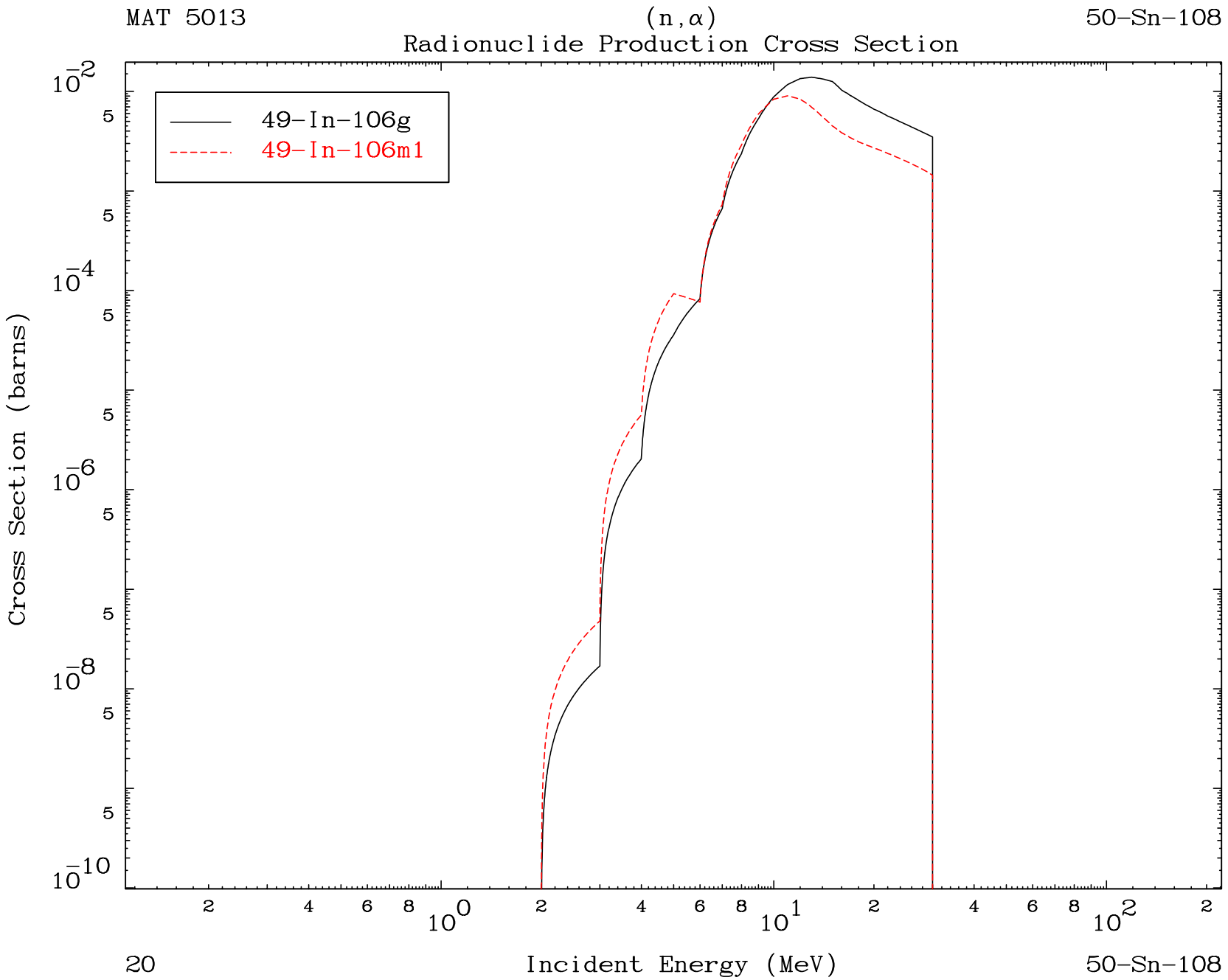

MAT 5013
(n,3n) α
50-Sn-108
Radionuclide Production Cross Section
49-In-103g
49-In-103m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
50-Sn-108

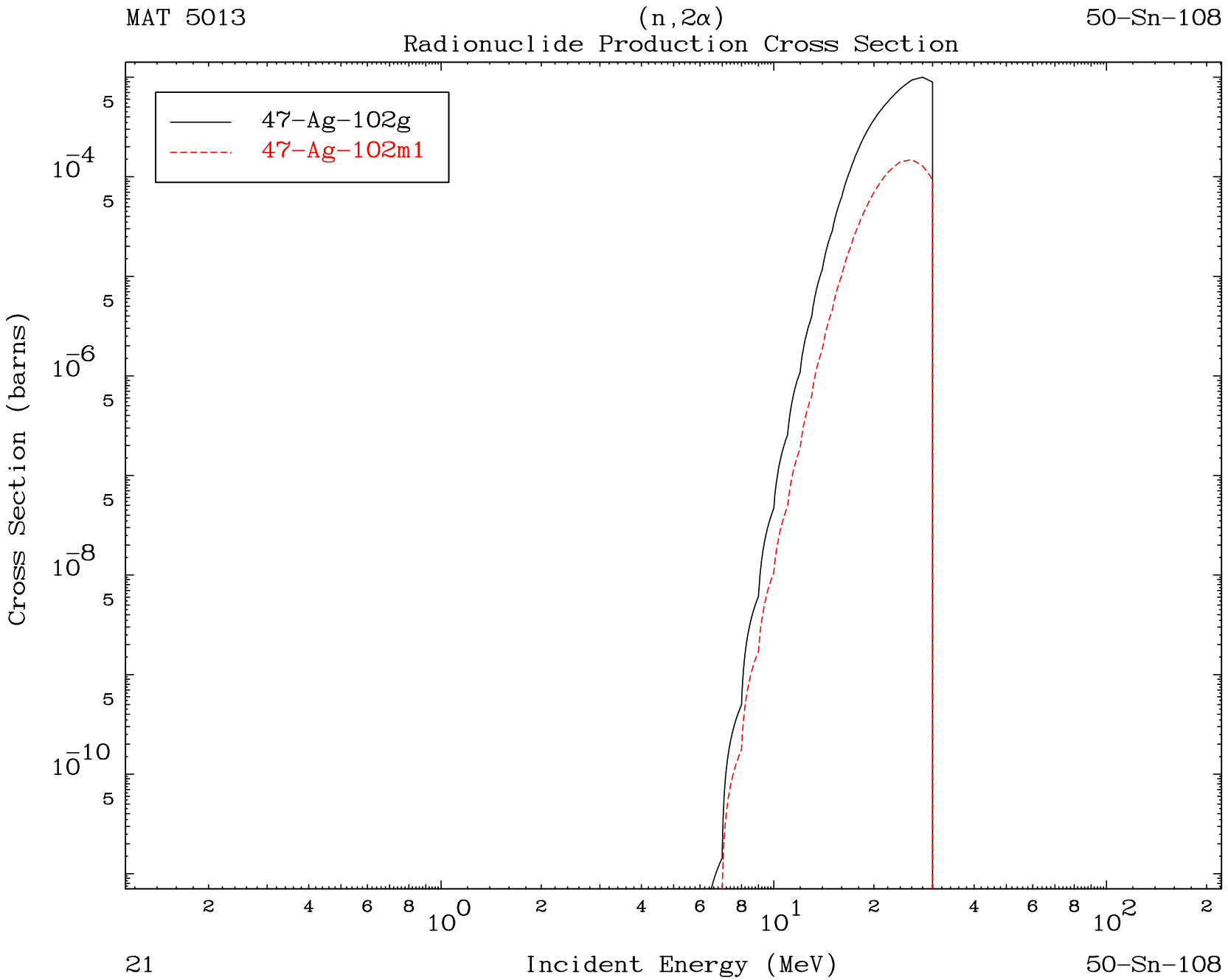

MAT 5013
(n,n') 2α
50-Sn-108
Radionuclide Production Cross Section
47-Ag-101g
47-Ag-101m2
Cross Section (barns)
Incident Energy (MeV)
16
50-Sn-108

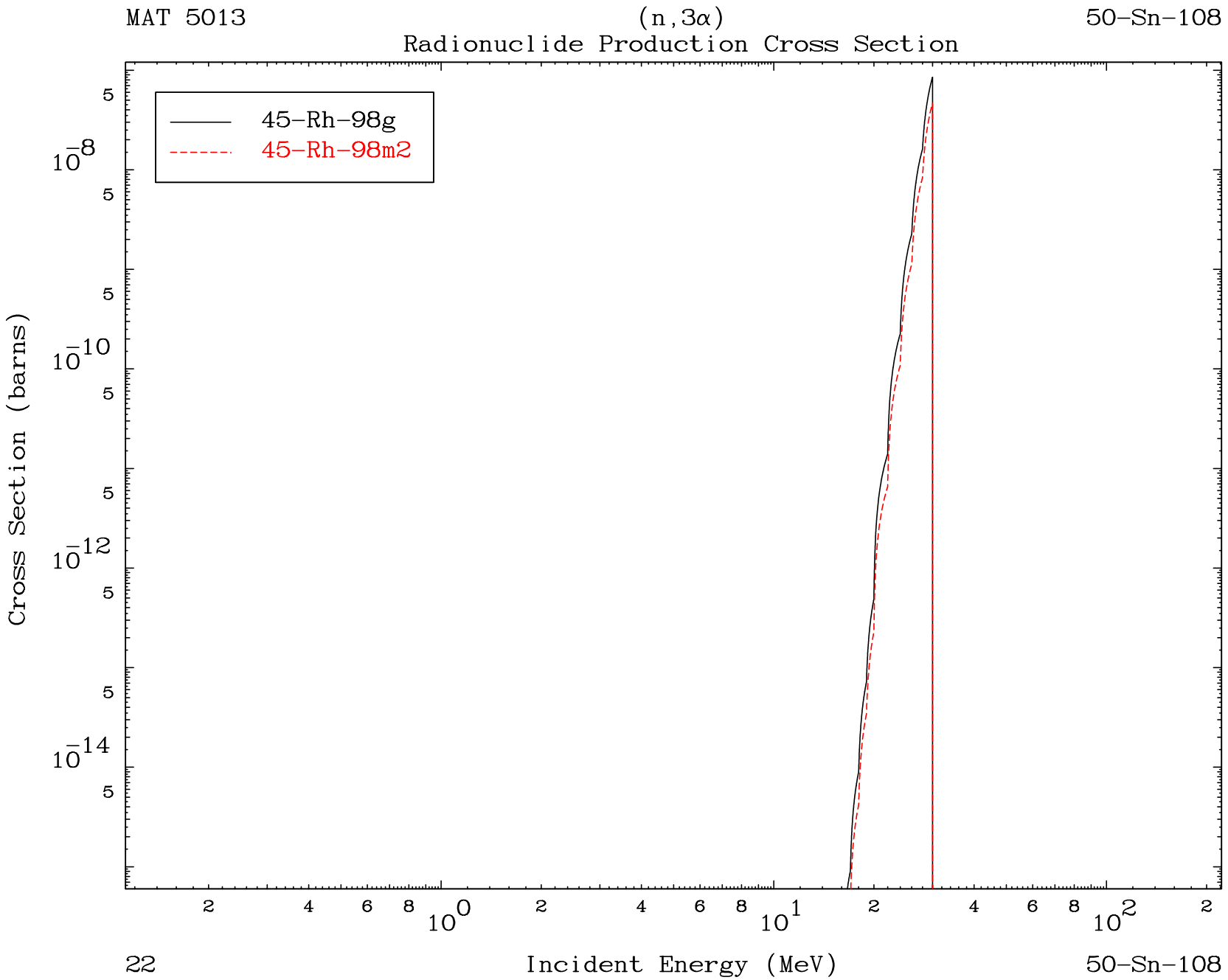

MAT 5013
(n,n') He-3
50-Sn-108
Radionuclide Production Cross Section
49-In-106g
49-In-106m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
50-Sn-108

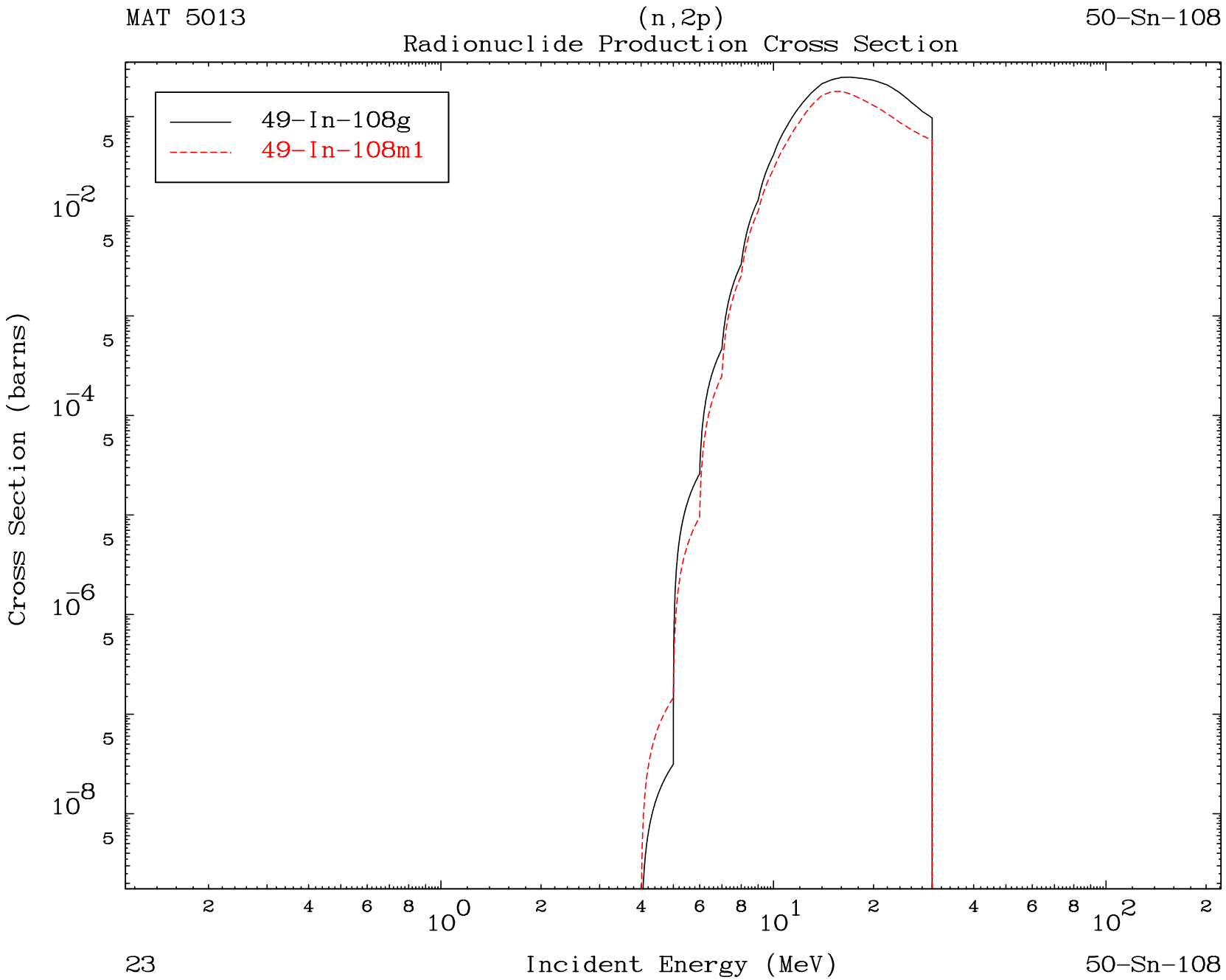

MAT 5013
(n,2n) p
50-Sn-108
Radionuclide Production Cross Section
49-In-107g
49-In-107m1
Cross Section (barns)
Incident Energy (MeV)
18
50-Sn-108

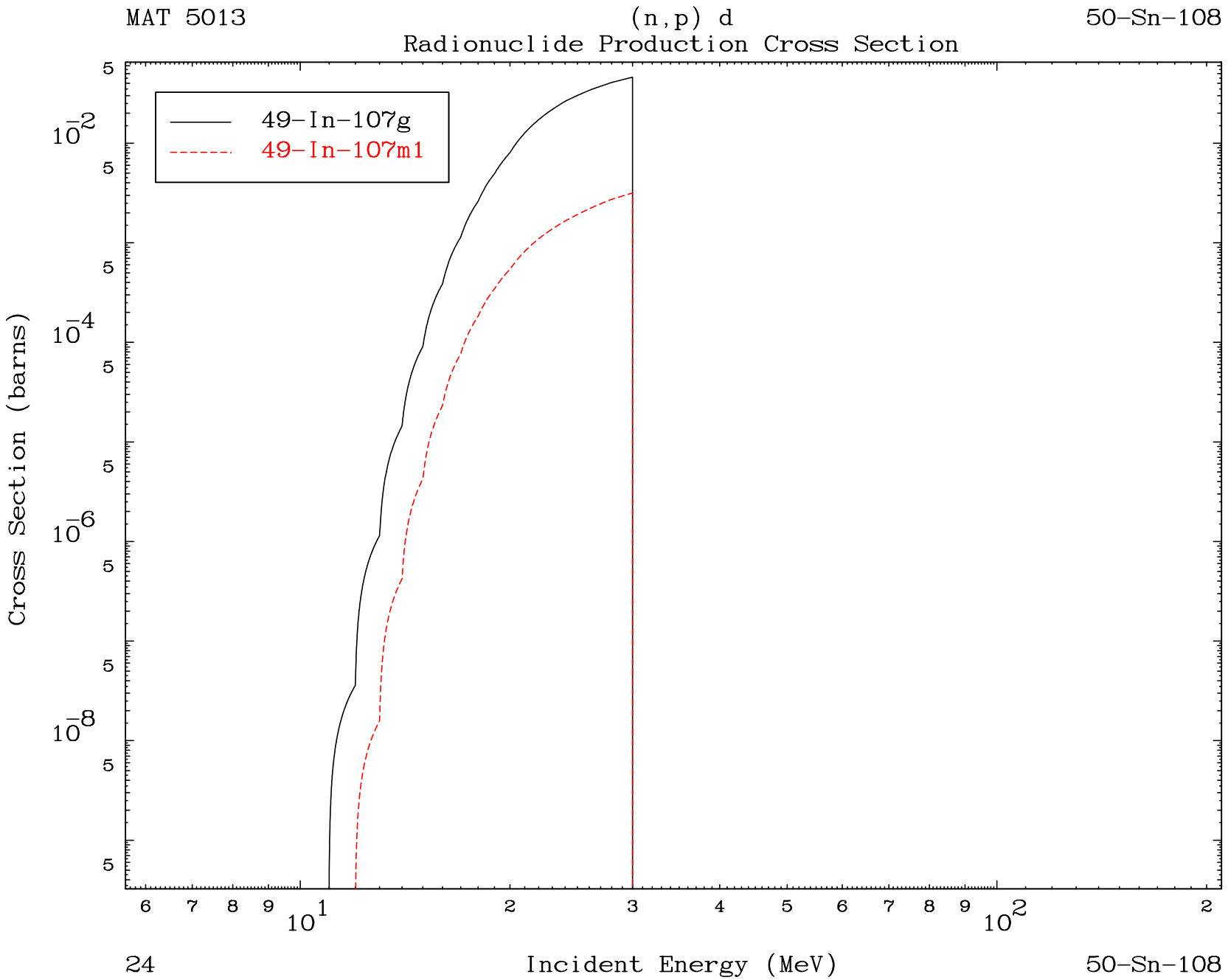

MAT 5013
(n,He-3)
50-Sn-108
Radionuclide Production Cross Section
49-In-107g
49-In-107m1
Cross Section (barns)
Incident Energy (MeV)
19
50-Sn-108

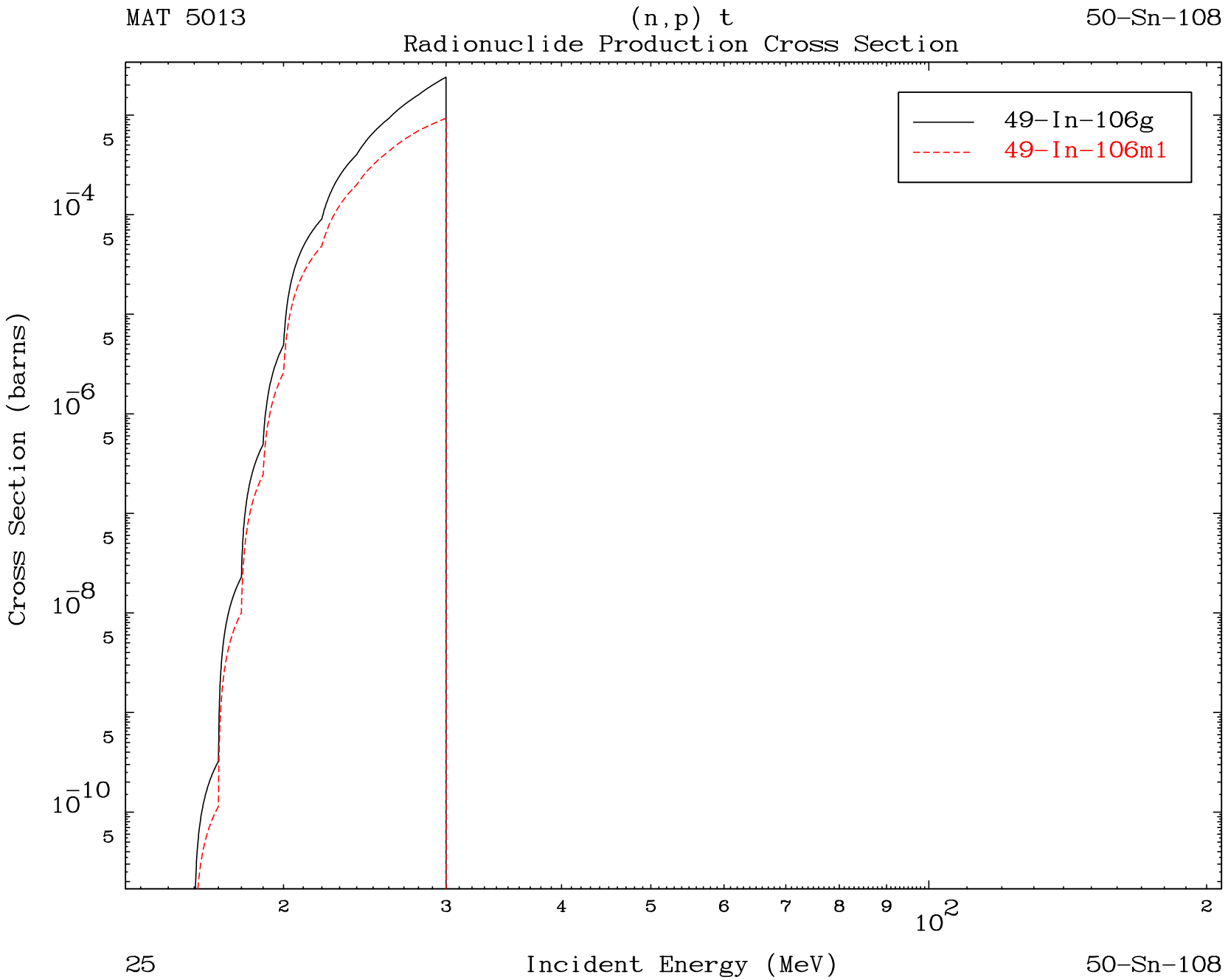

MAT 5013
(n,α)
50-Sn-108
Radionuclide Production Cross Section
49-In-106g
49-In-106m1
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
20
50-Sn-108


MAT 5013
(n,2α)
50-Sn-108
Radionuclide Production Cross Section
47-Ag-102g
47-Ag-102m1
Cross Section (barns)
Incident Energy (MeV)
21
50-Sn-108


MAT 5013
(n,3α)
50-Sn-108
Radionuclide Production Cross Section
45-Rh-98g
45-Rh-98m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
10^0
10^1
10^2
Incident Energy (MeV)
22
50-Sn-108


MAT 5013
(n,2p)
50-Sn-108
Radionuclide Production Cross Section
49-In-108g
49-In-108m1
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
23
50-Sn-108


MAT 5013
(n,p) d
50-Sn-108
Radionuclide Production Cross Section
49-In-107g
49-In-107m1
Cross Section (barns)
Incident Energy (MeV)
24
50-Sn-108


MAT 5013
(n,p) t
50-Sn-108
Radionuclide Production Cross Section
49-In-106g
49-In-106m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
25
Incident Energy (MeV)
50-Sn-108