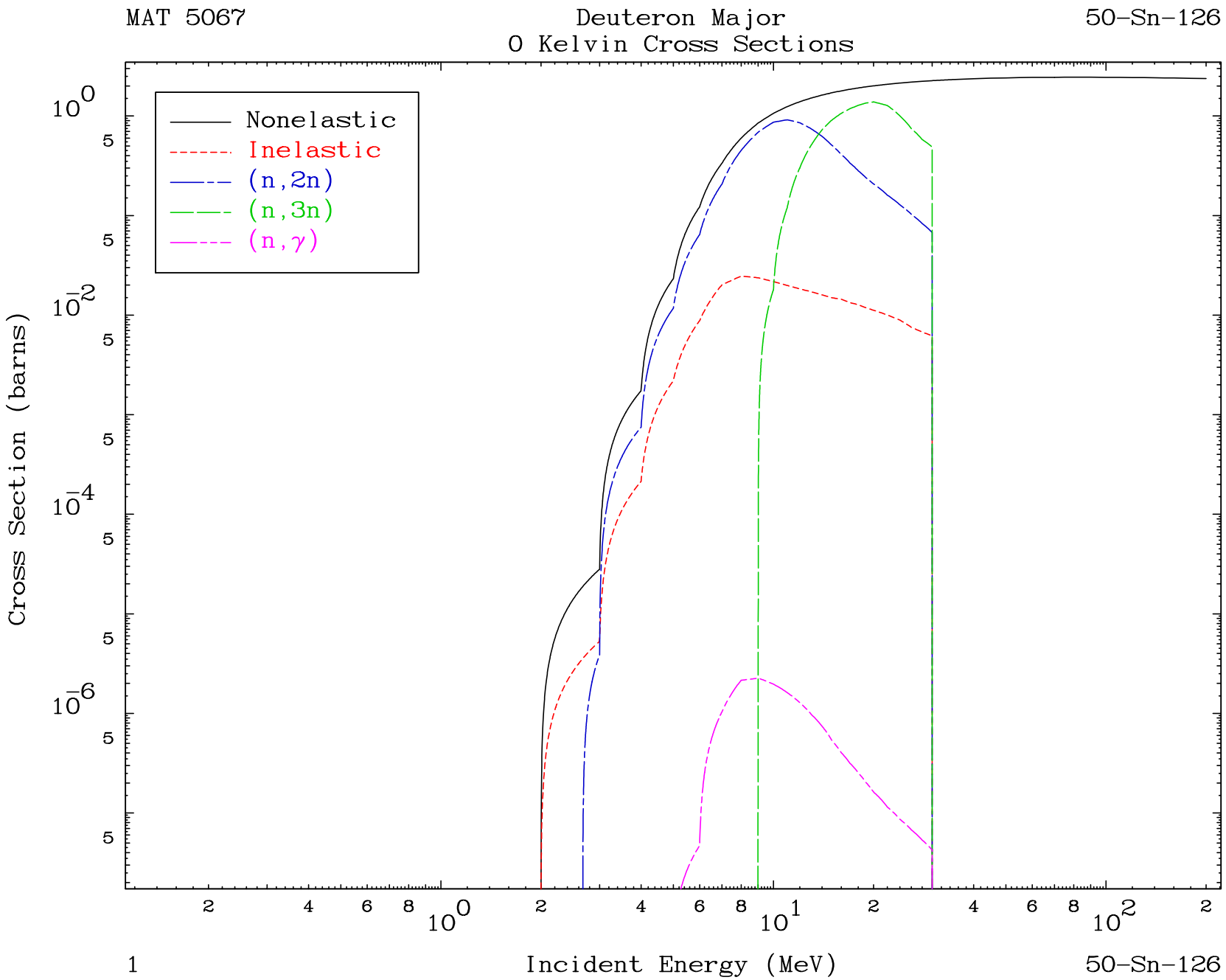
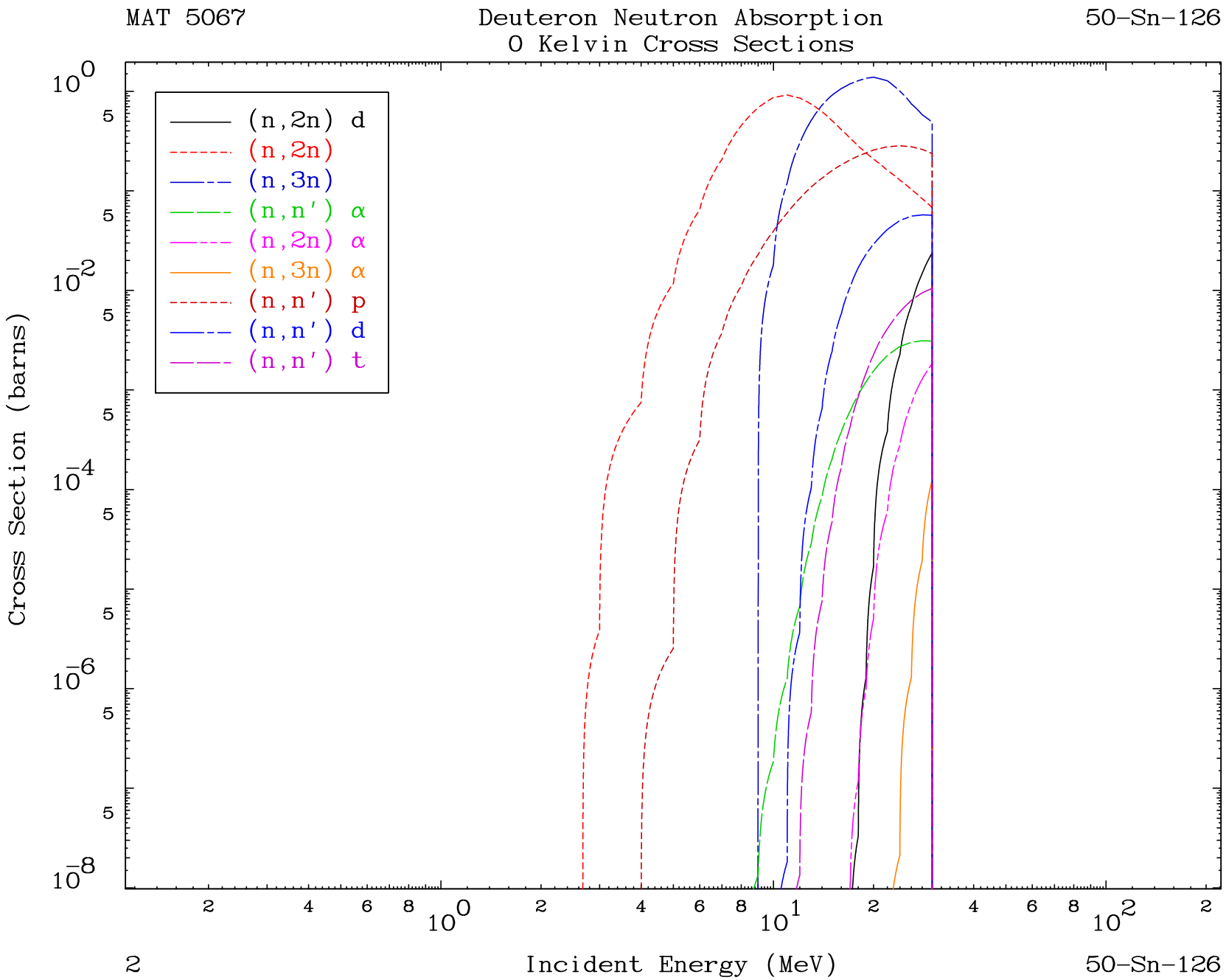
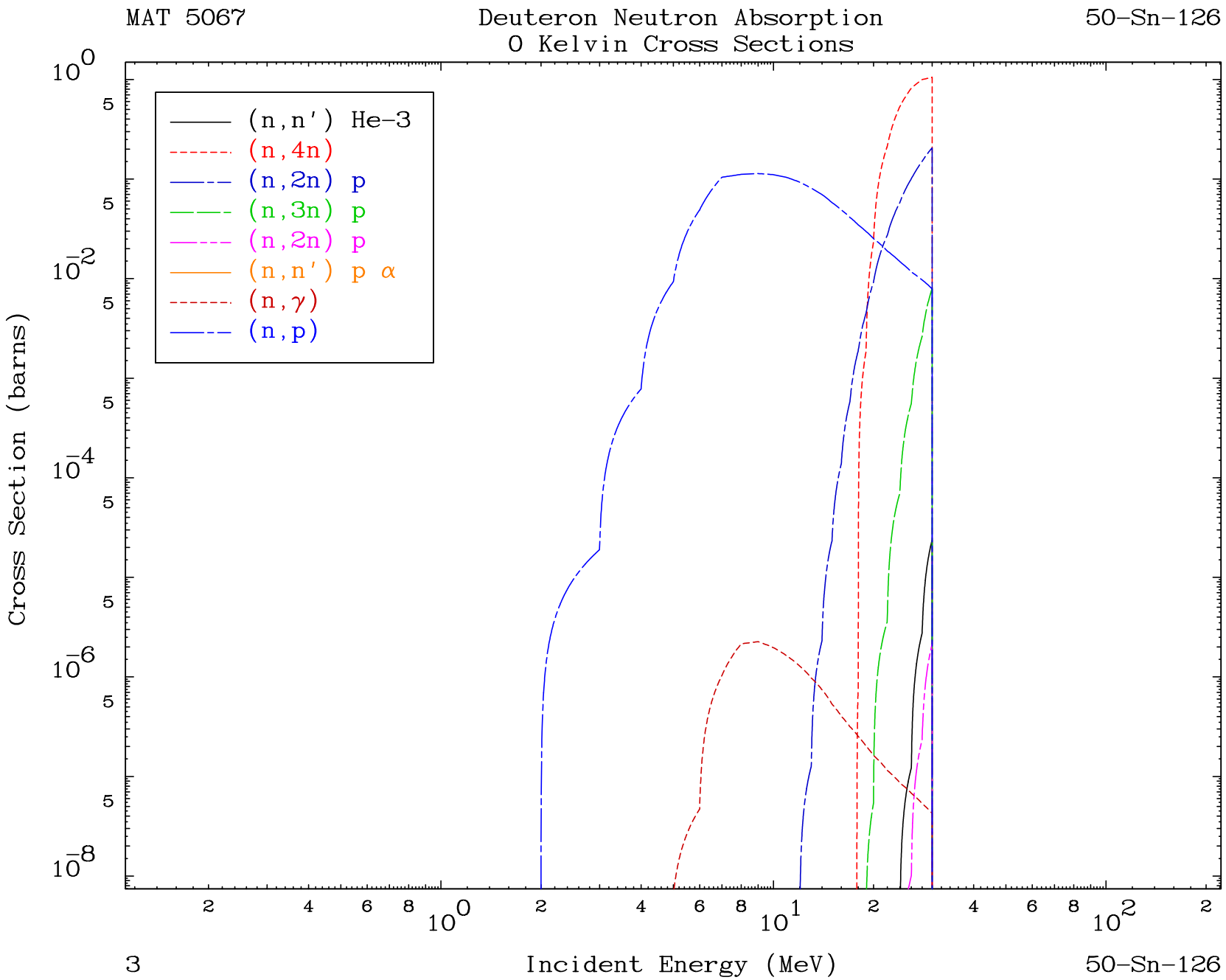
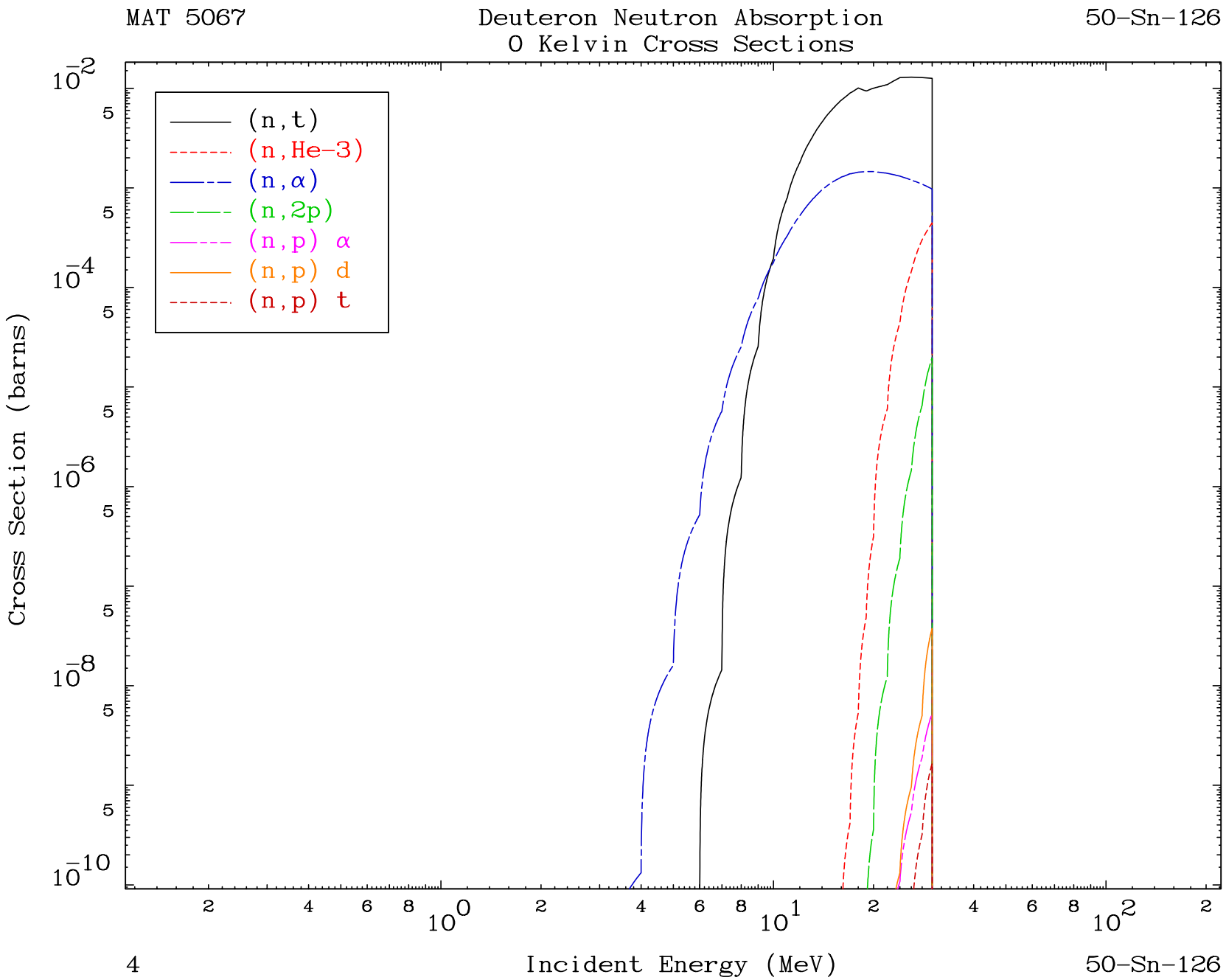
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

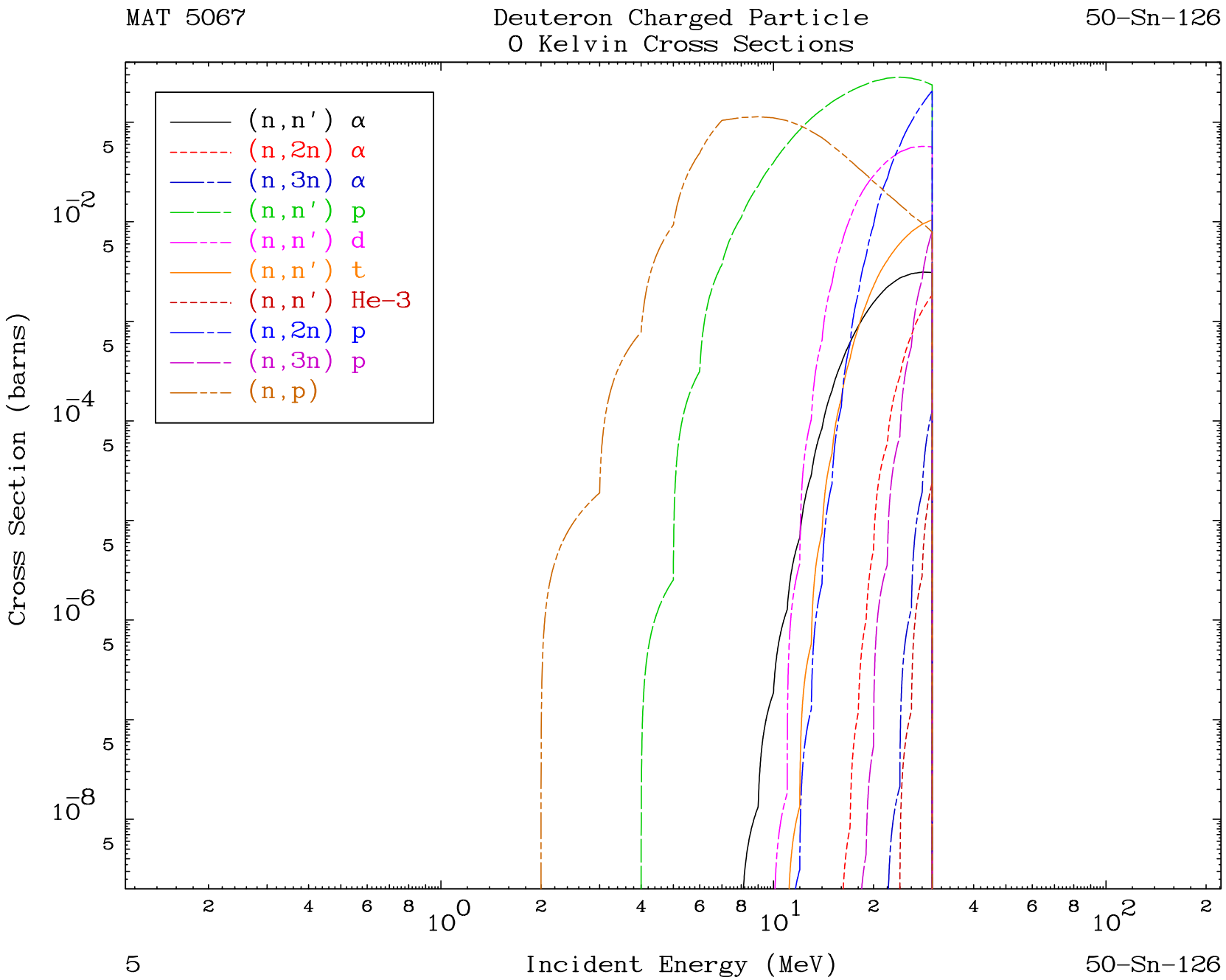
Press Mouse Button to Start

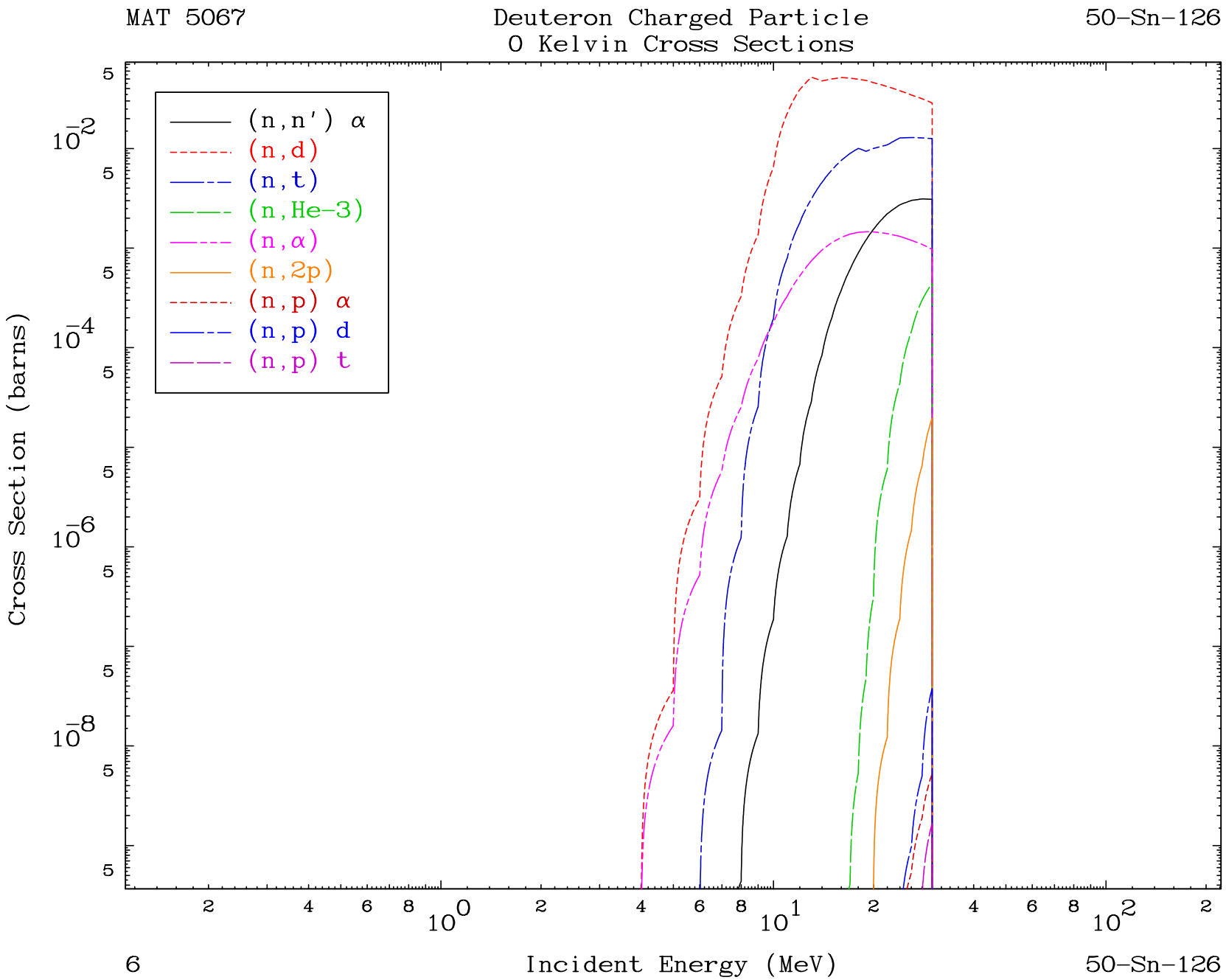

MAT 5067
Deuteron Major
50-Sn-126
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-126
1

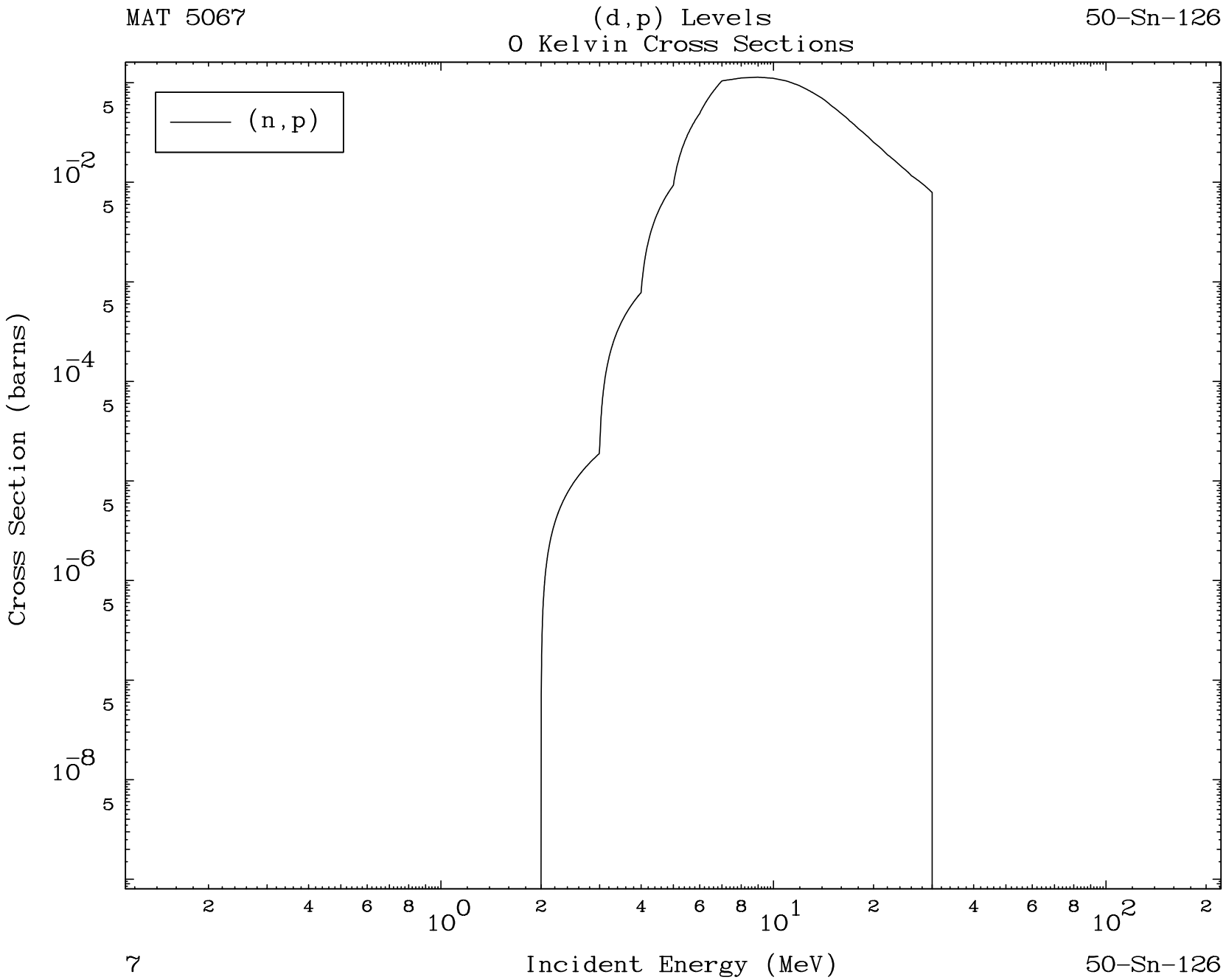

MAT 5067
Deuteron Neutron Absorption
0 Kelvin Cross Sections
50-Sn-126
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
2
50-Sn-126

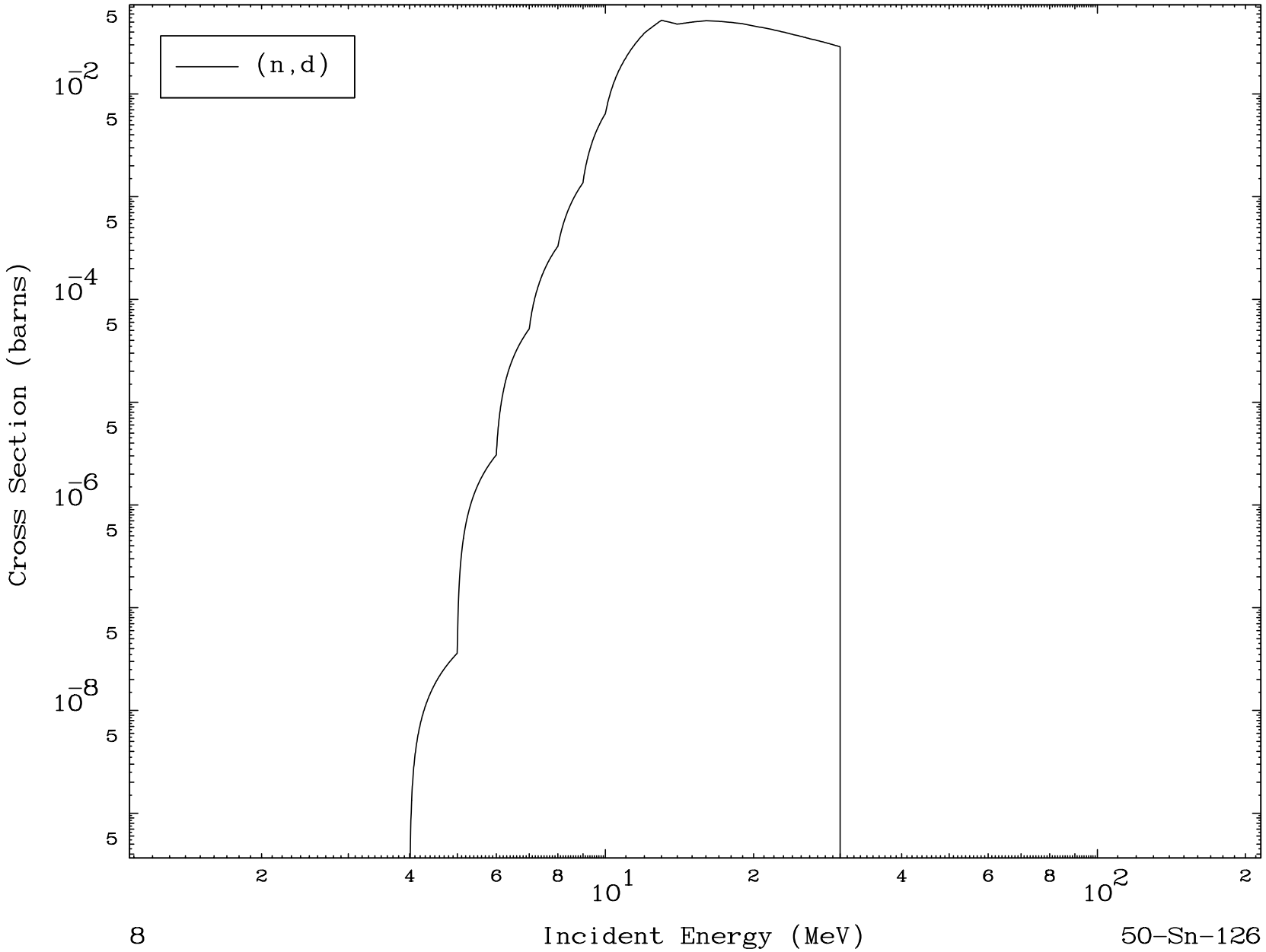

MAT 5067
Deuteron Neutron Absorption
0 Kelvin Cross Sections
50-Sn-126
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-126

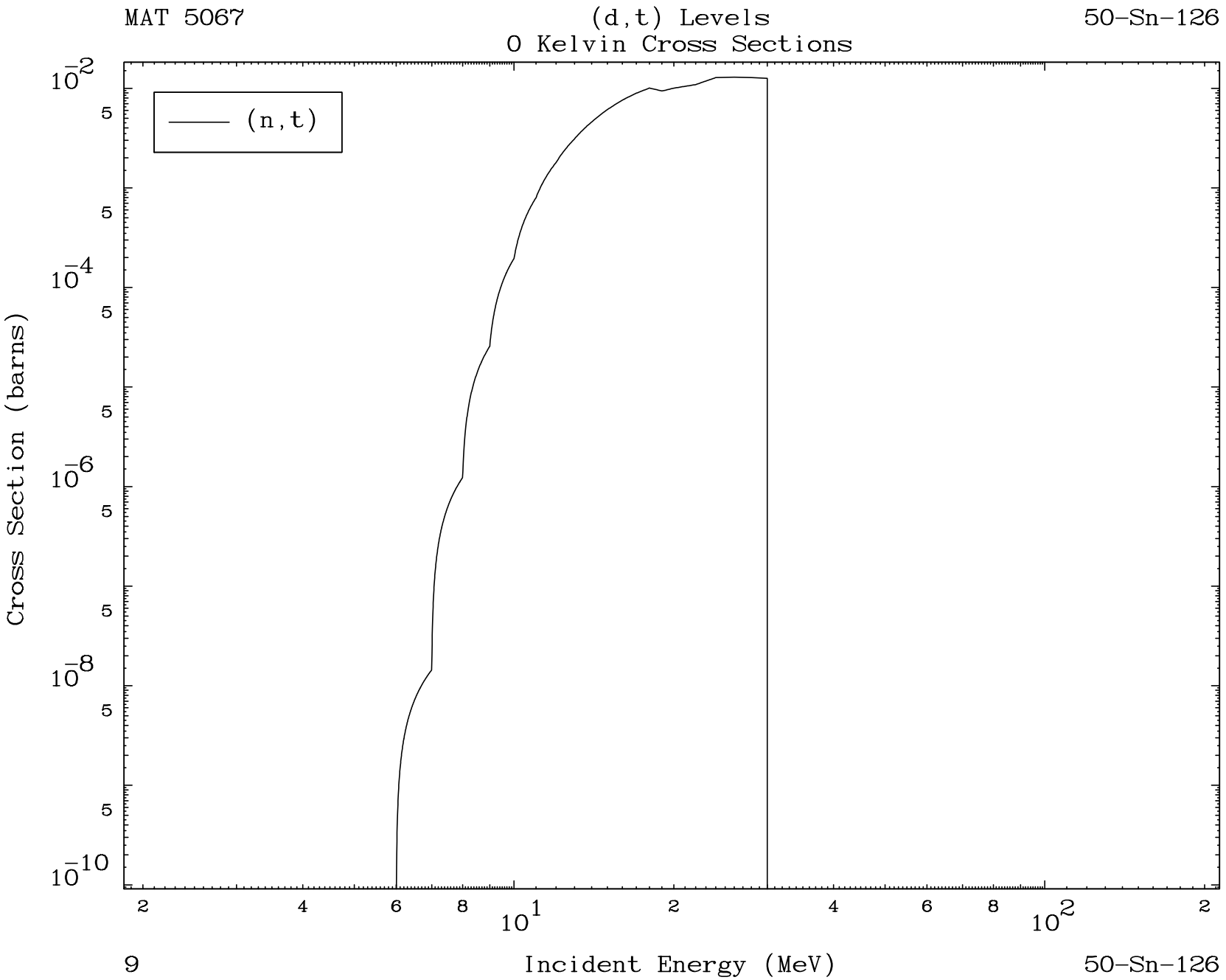

MAT 5067
Deuteron Neutron Absorption
0 Kelvin Cross Sections
50-Sn-126
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
50-Sn-126

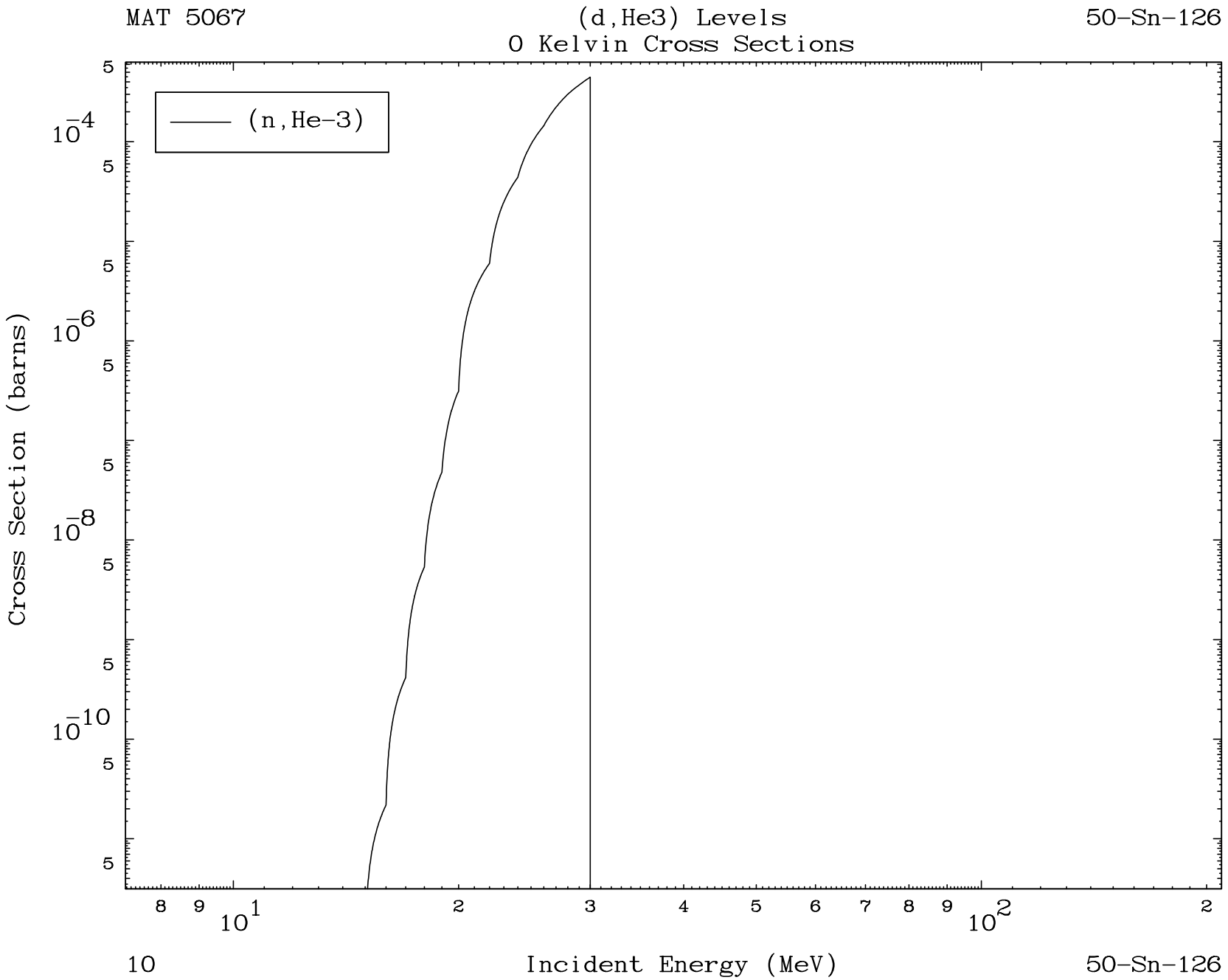

MAT 5067
Deuteron Charged Particle
0 Kelvin Cross Sections
50-Sn-126
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-126
5

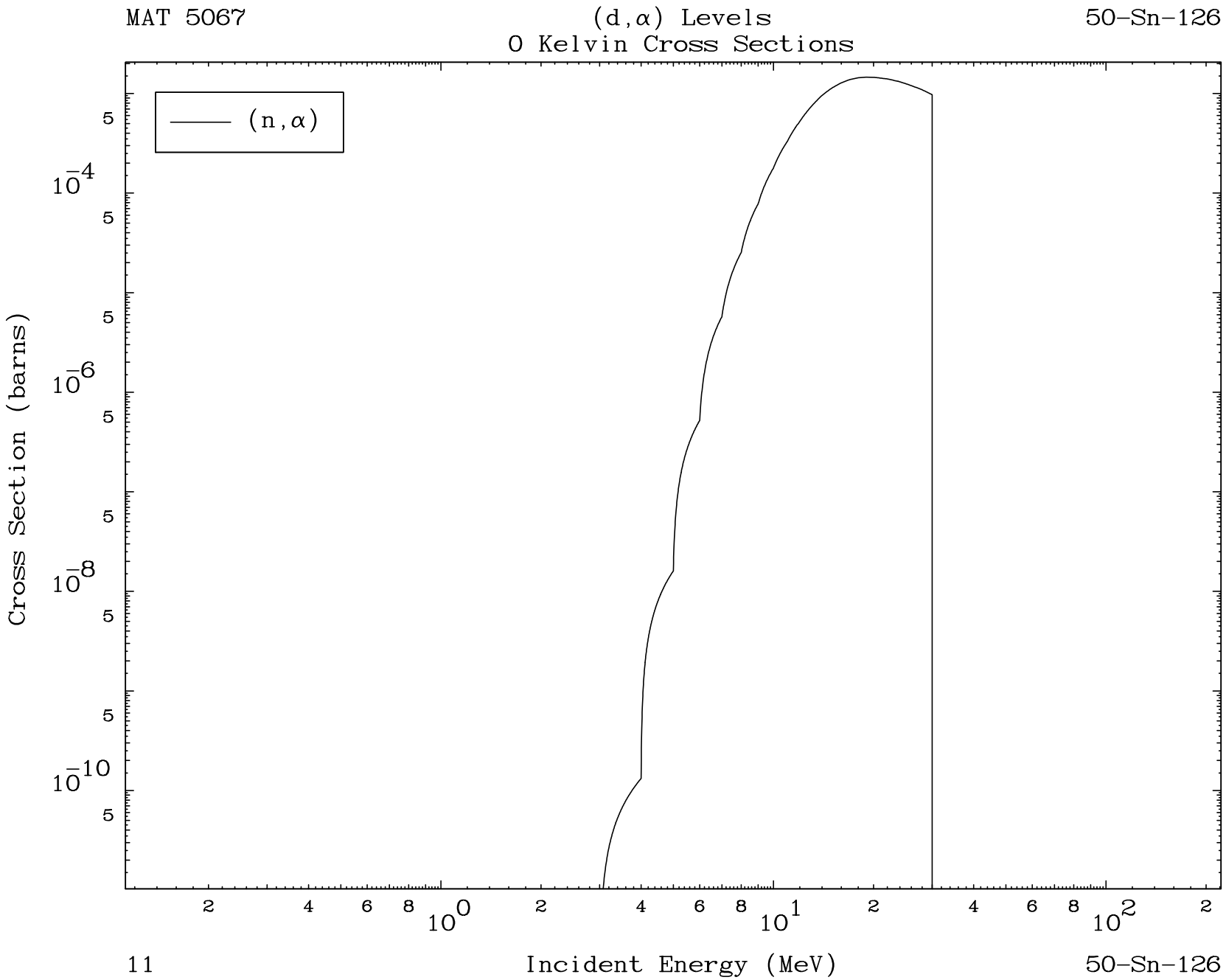

MAT 5067
Deuteron Charged Particle
0 Kelvin Cross Sections
50-Sn-126
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
6
50-Sn-126

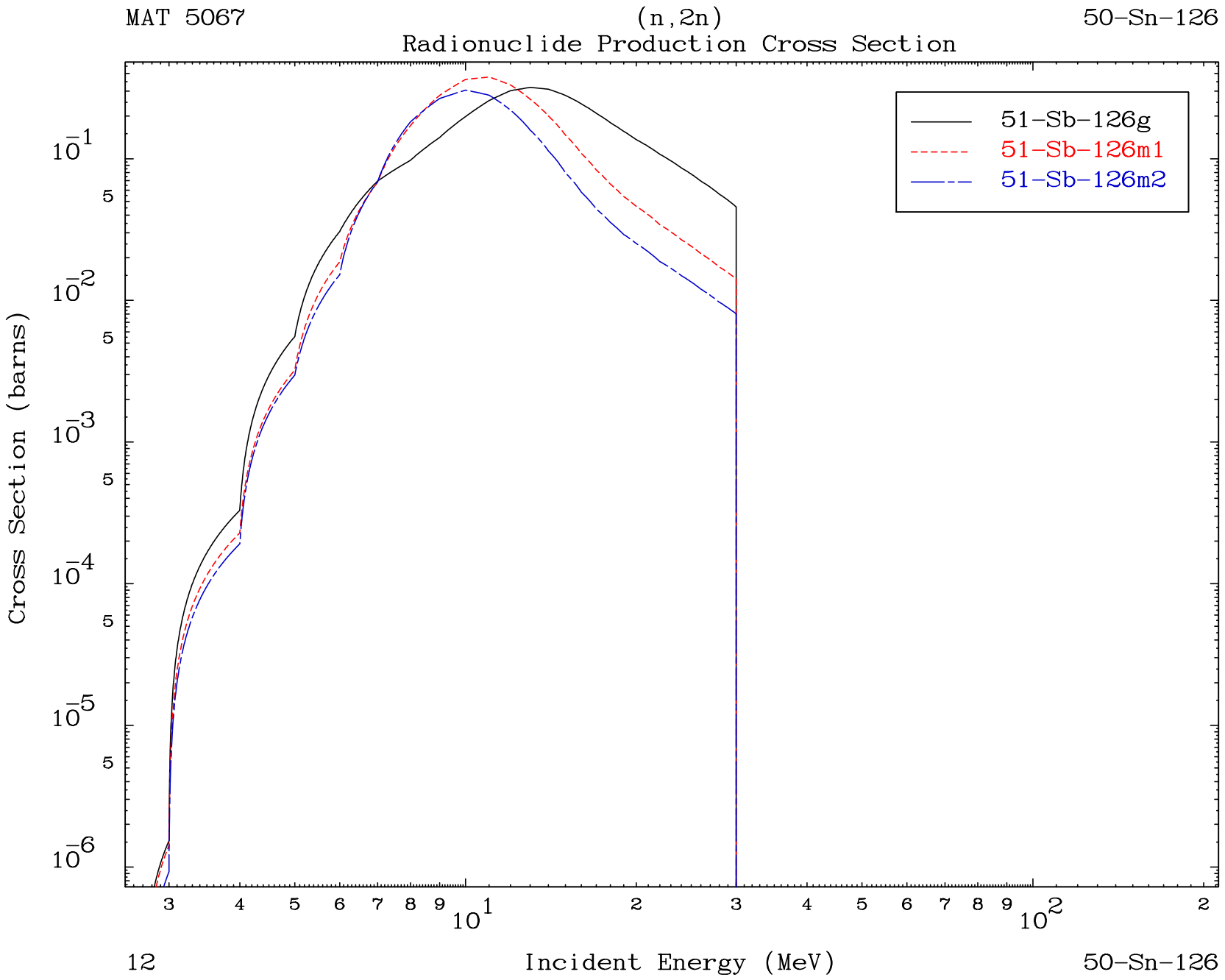

MAT 5067
(d,p) Levels
50-Sn-126
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
50-Sn-126

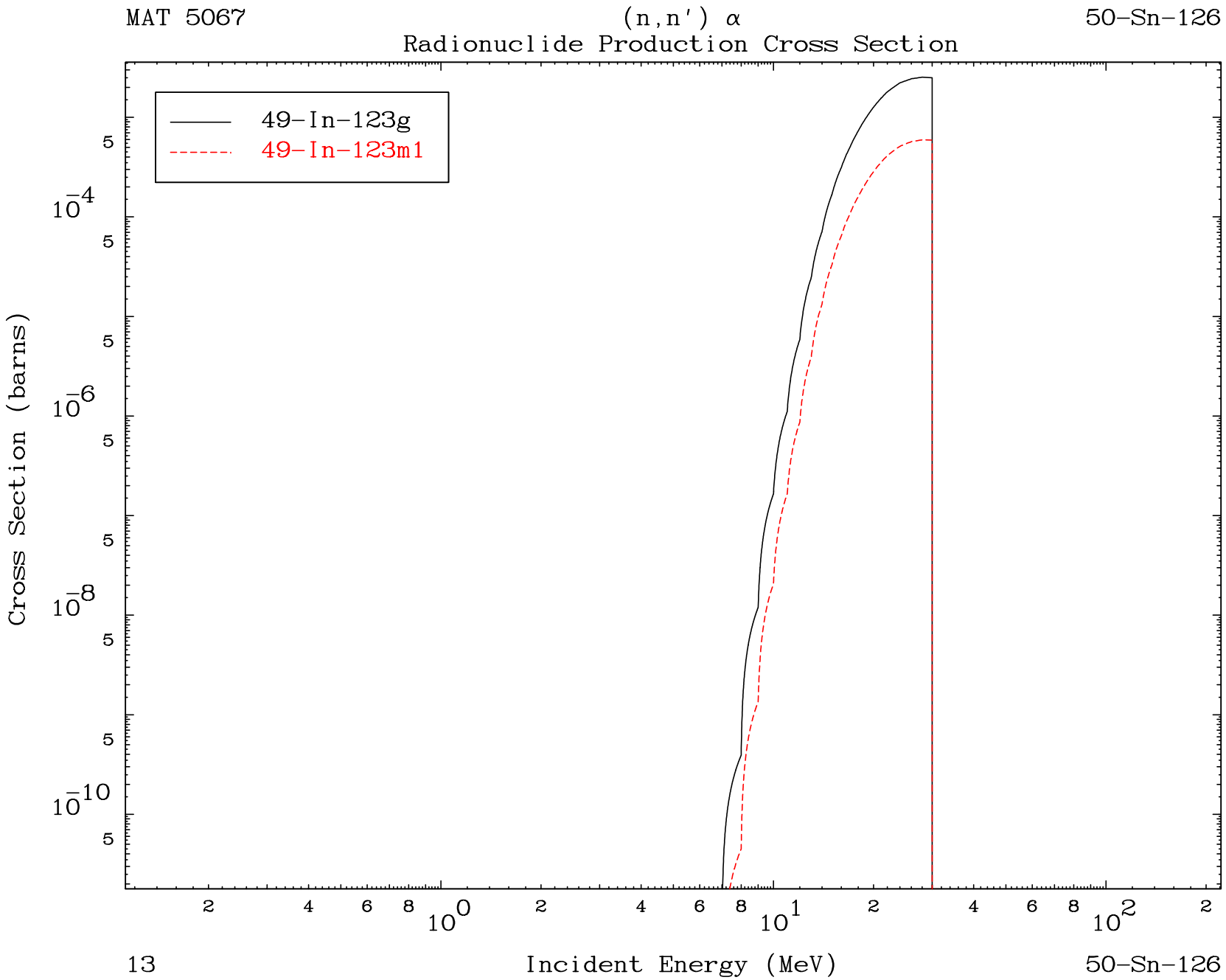

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
10^-2
10^-4
10^-6
10^-8
10^1
10^2

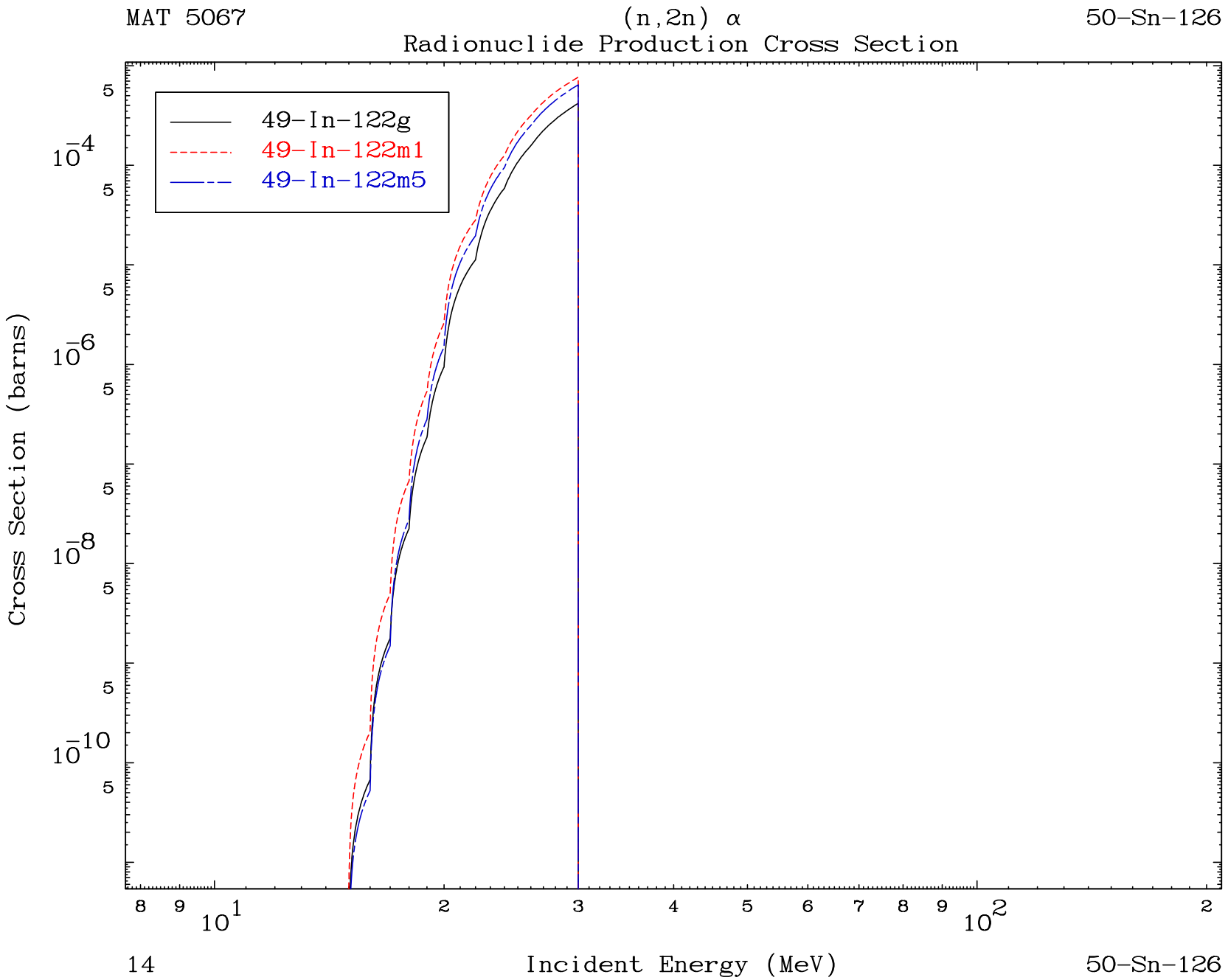

MAT 5067
(d,t) Levels
50-Sn-126
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
50-Sn-126

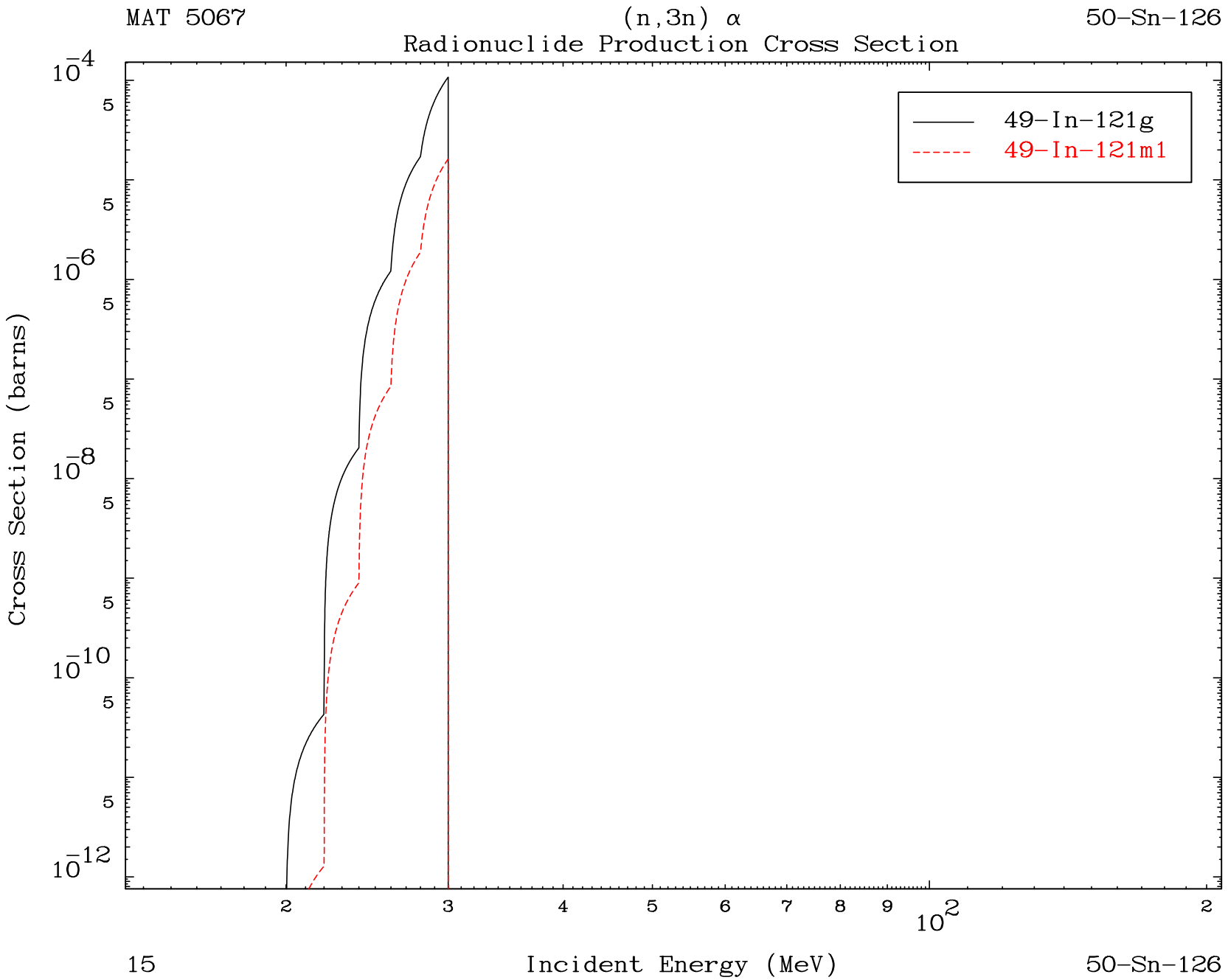

MAT 5067
(d,He3) Levels
50-Sn-126
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-126

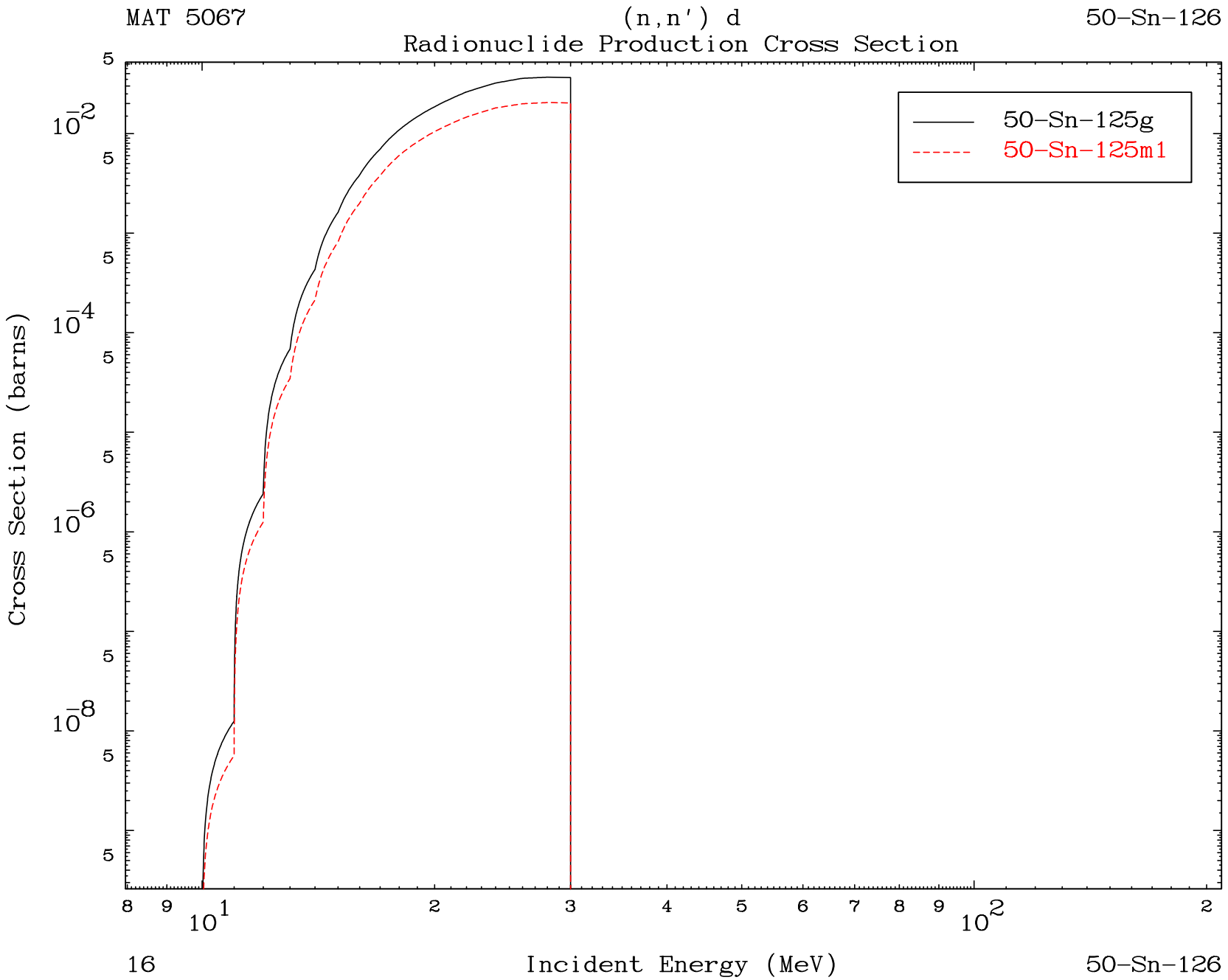

MAT 5067
(d,α) Levels
50-Sn-126
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
11
50-Sn-126

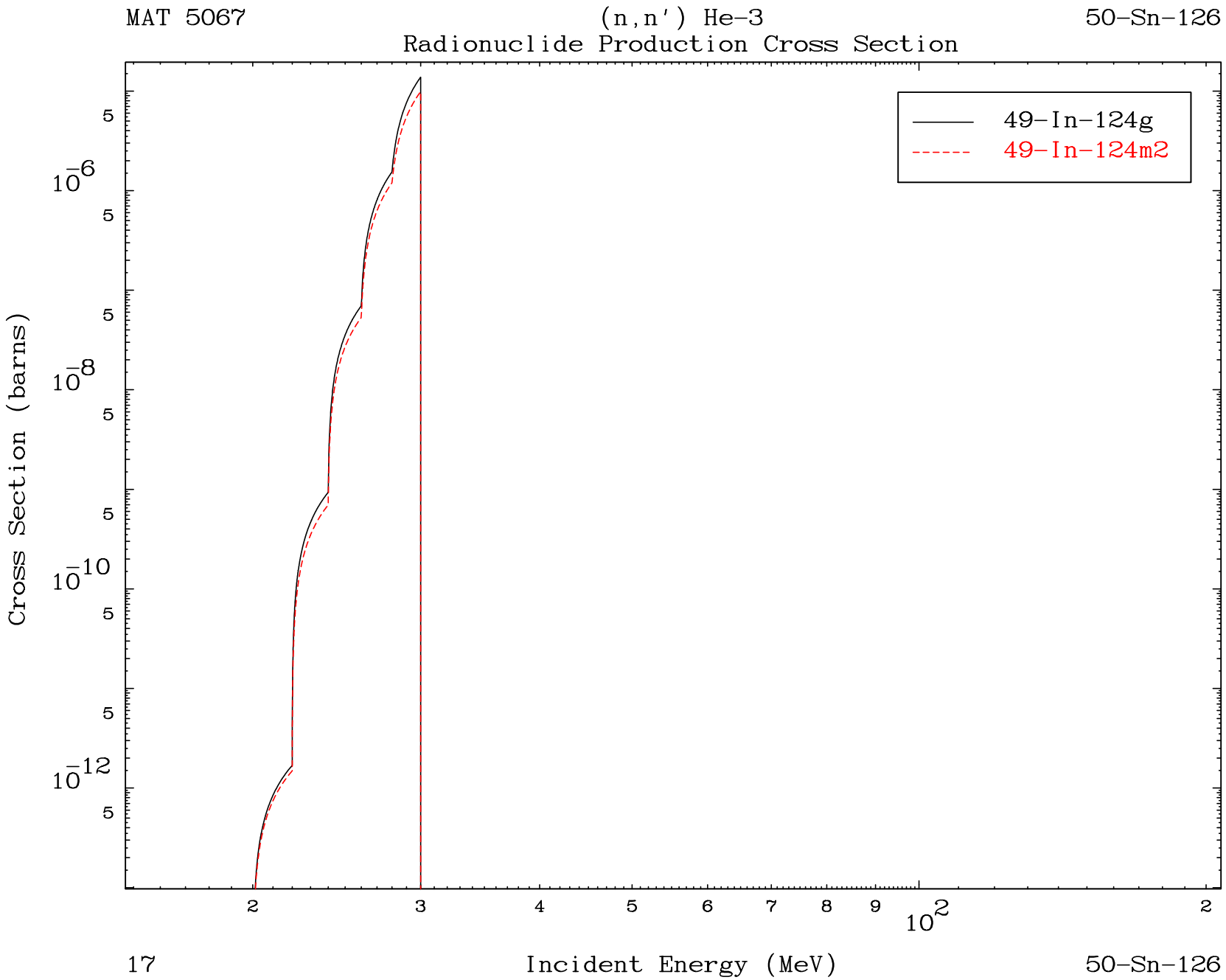

MAT 5067
(n,2n)
50-Sn-126
Radionuclide Production Cross Section
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
Cross Section (barns)
Incident Energy (MeV)
12
50-Sn-126

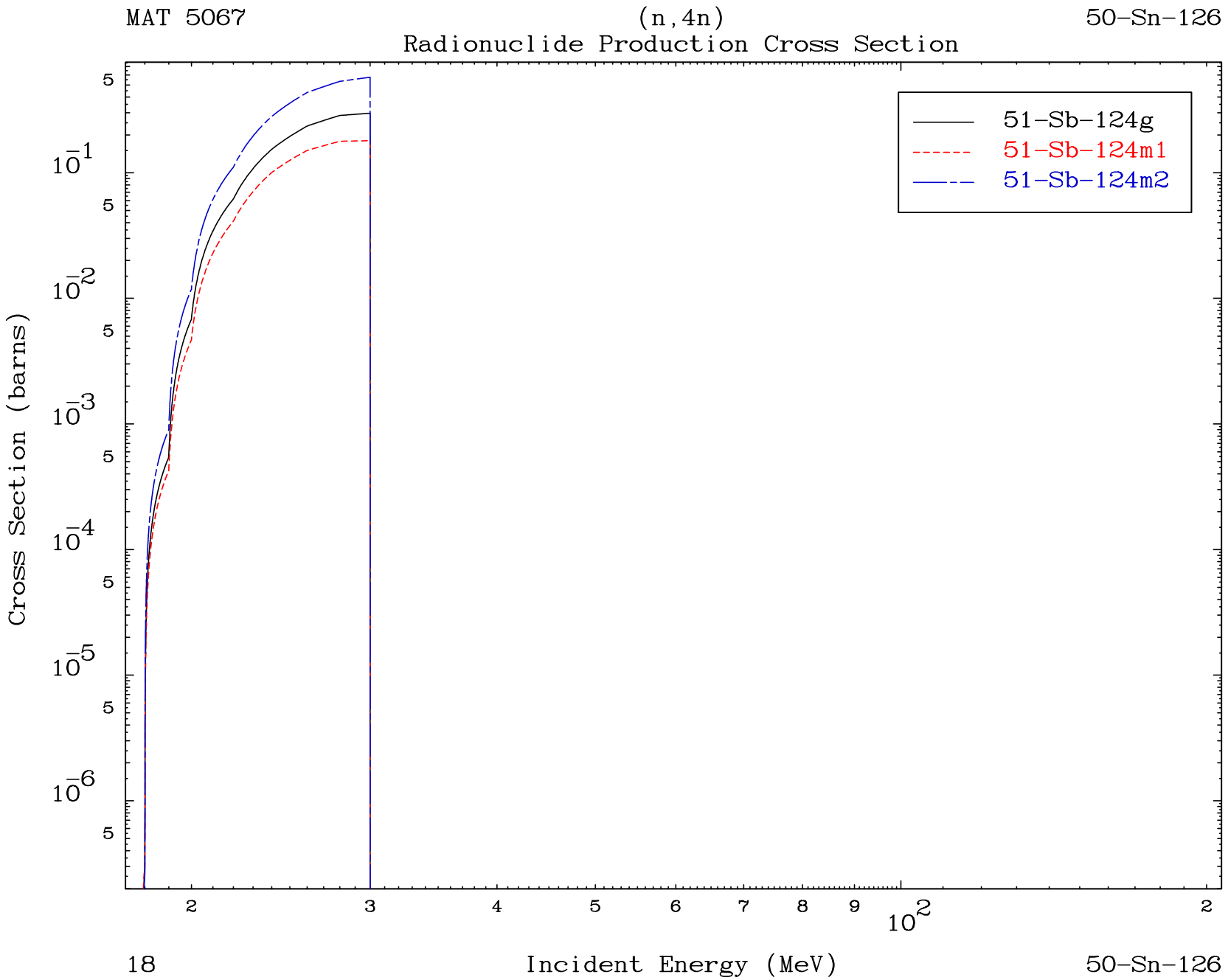

MAT 5067
(n,n') α
50-Sn-126
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
13
50-Sn-126

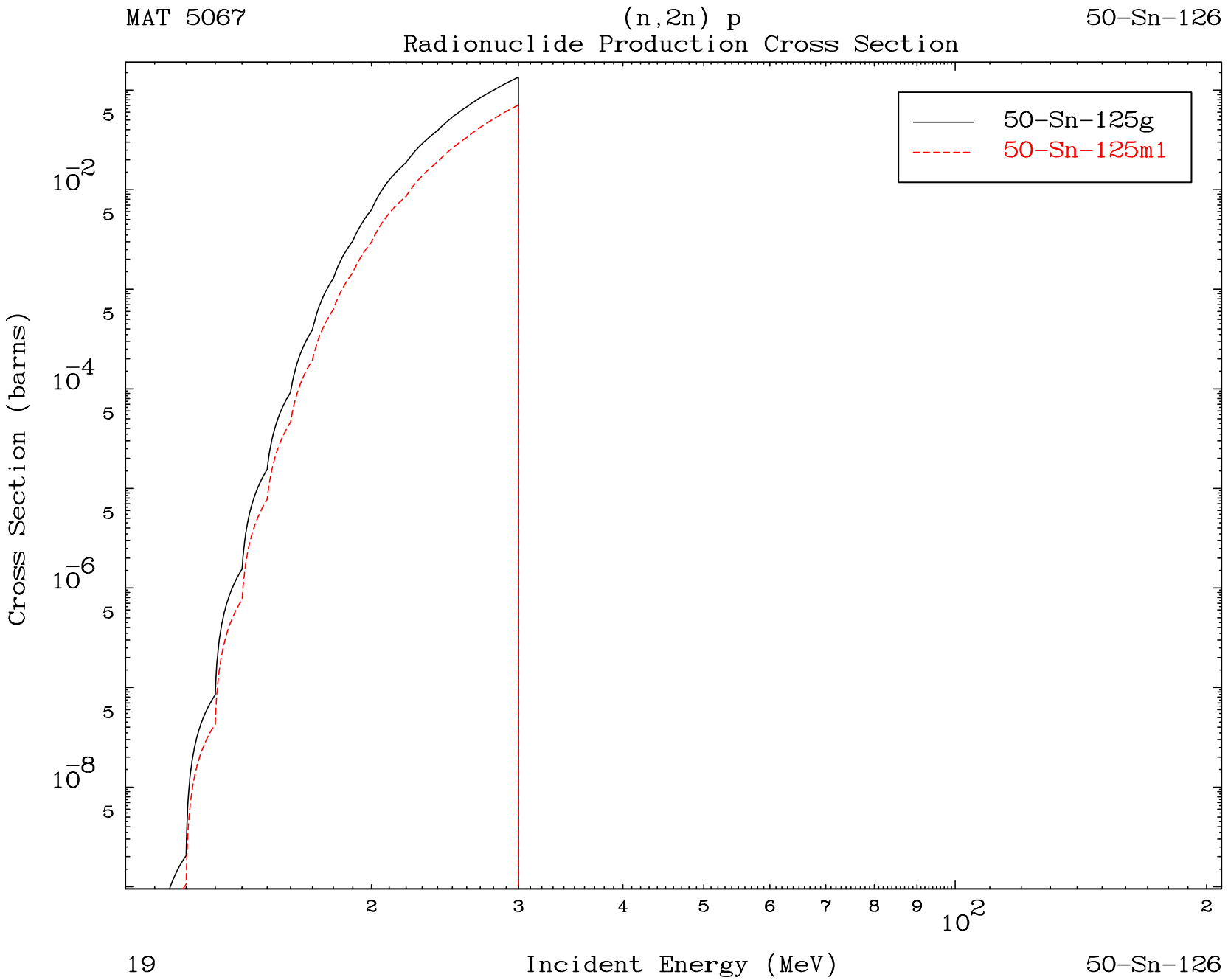

MAT 5067
(n,2n) α
50-Sn-126
Radionuclide Production Cross Section
49-In-122g
49-In-122m1
49-In-122m5
Cross Section (barns)
Incident Energy (MeV)
14
50-Sn-126

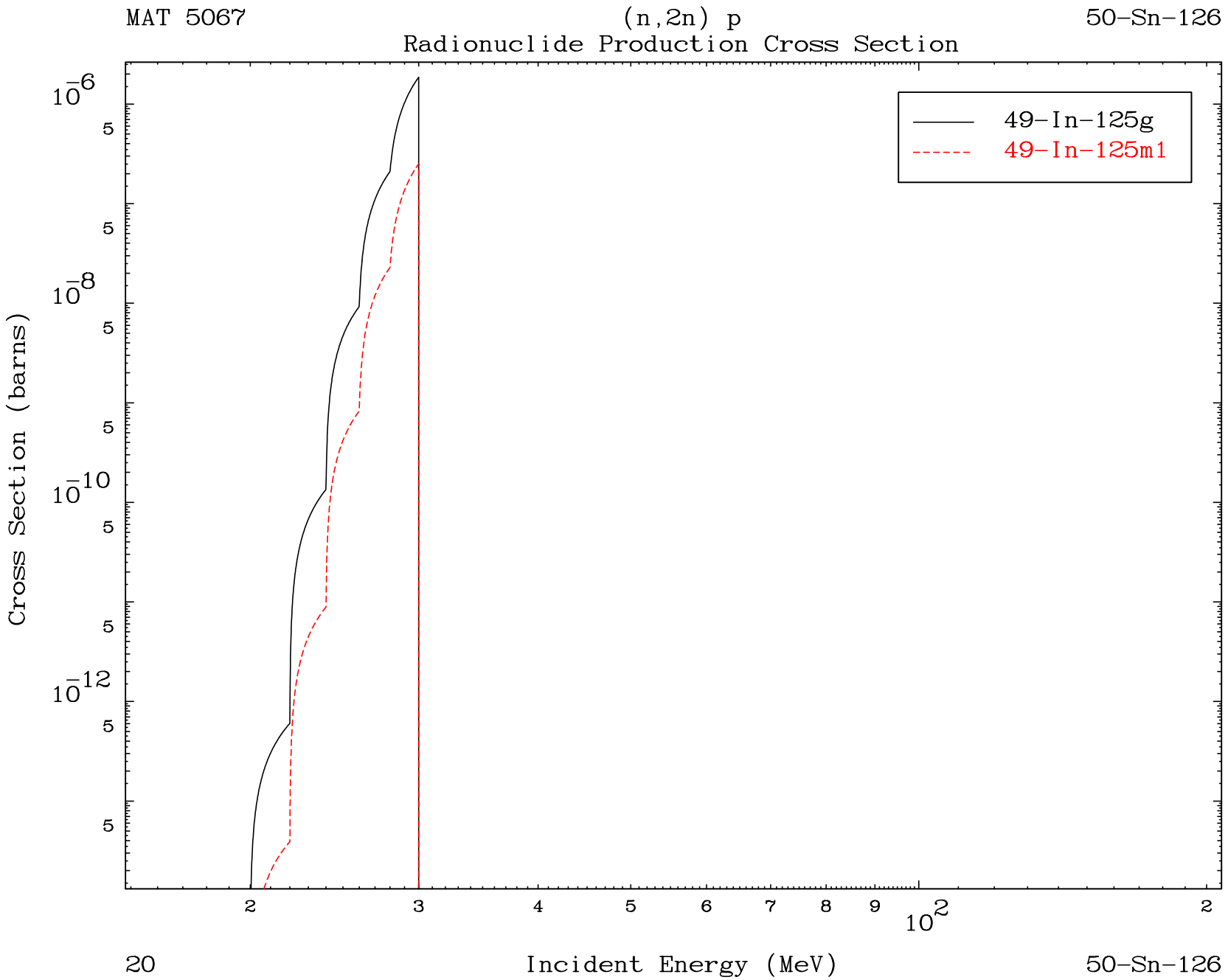

MAT 5067
(n,3n) α
50-Sn-126
Radionuclide Production Cross Section
49-In-121g
49-In-121m1
Cross Section (barns)
Incident Energy (MeV)
15
50-Sn-126

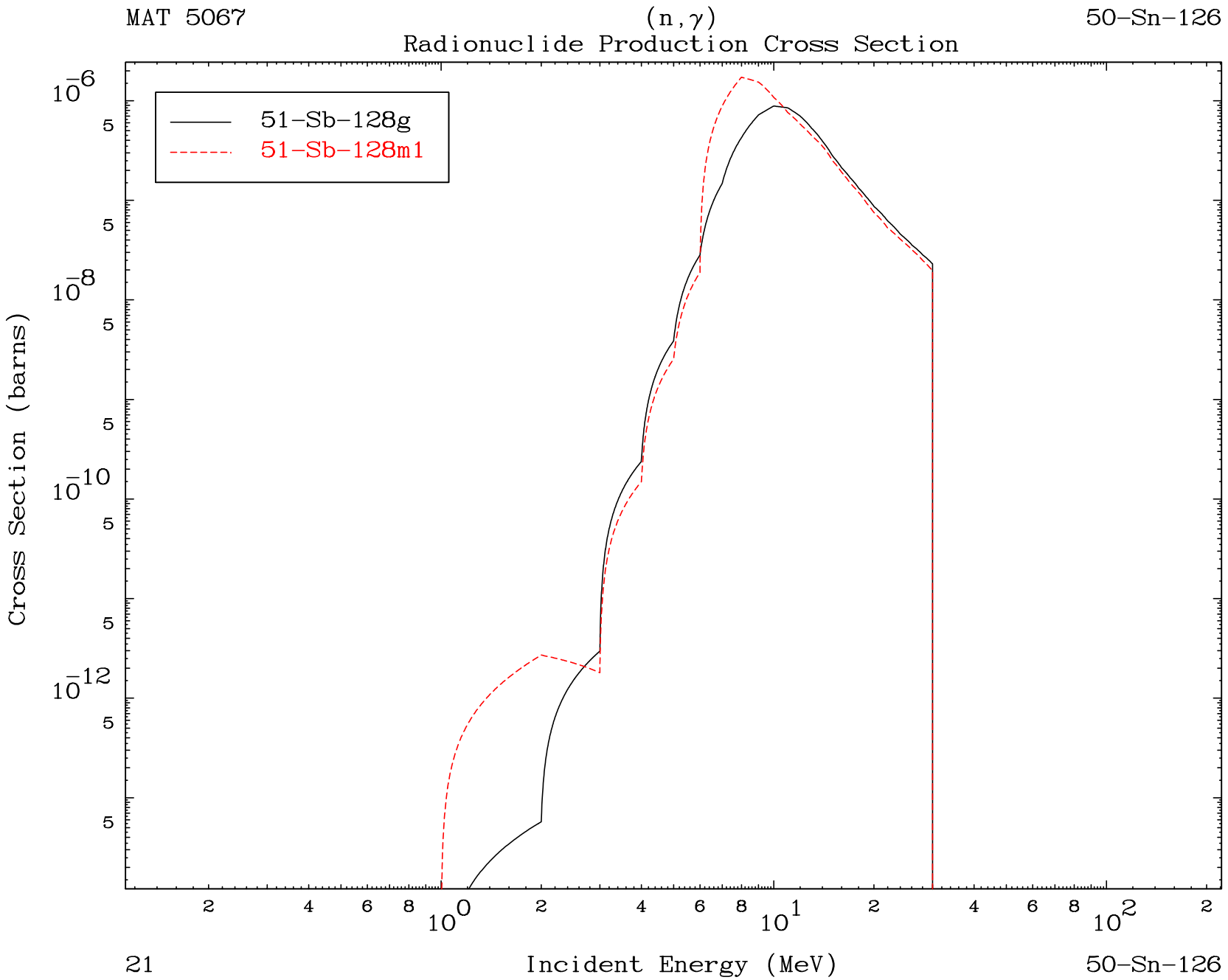

MAT 5067
(n,n') d
50-Sn-126
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
Incident Energy (MeV)
16
50-Sn-126

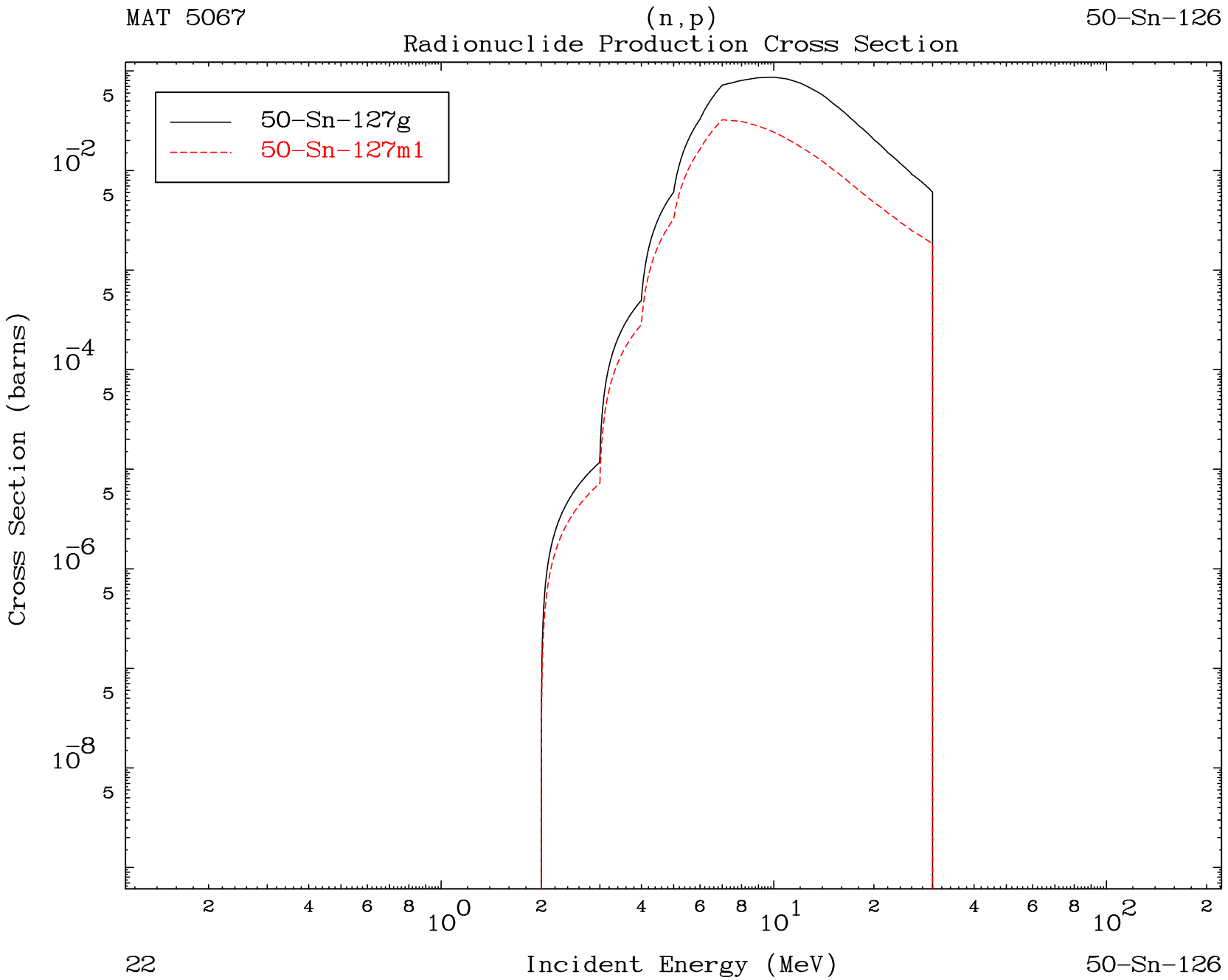

MAT 5067
(n,n') He-3
50-Sn-126
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
50-Sn-126

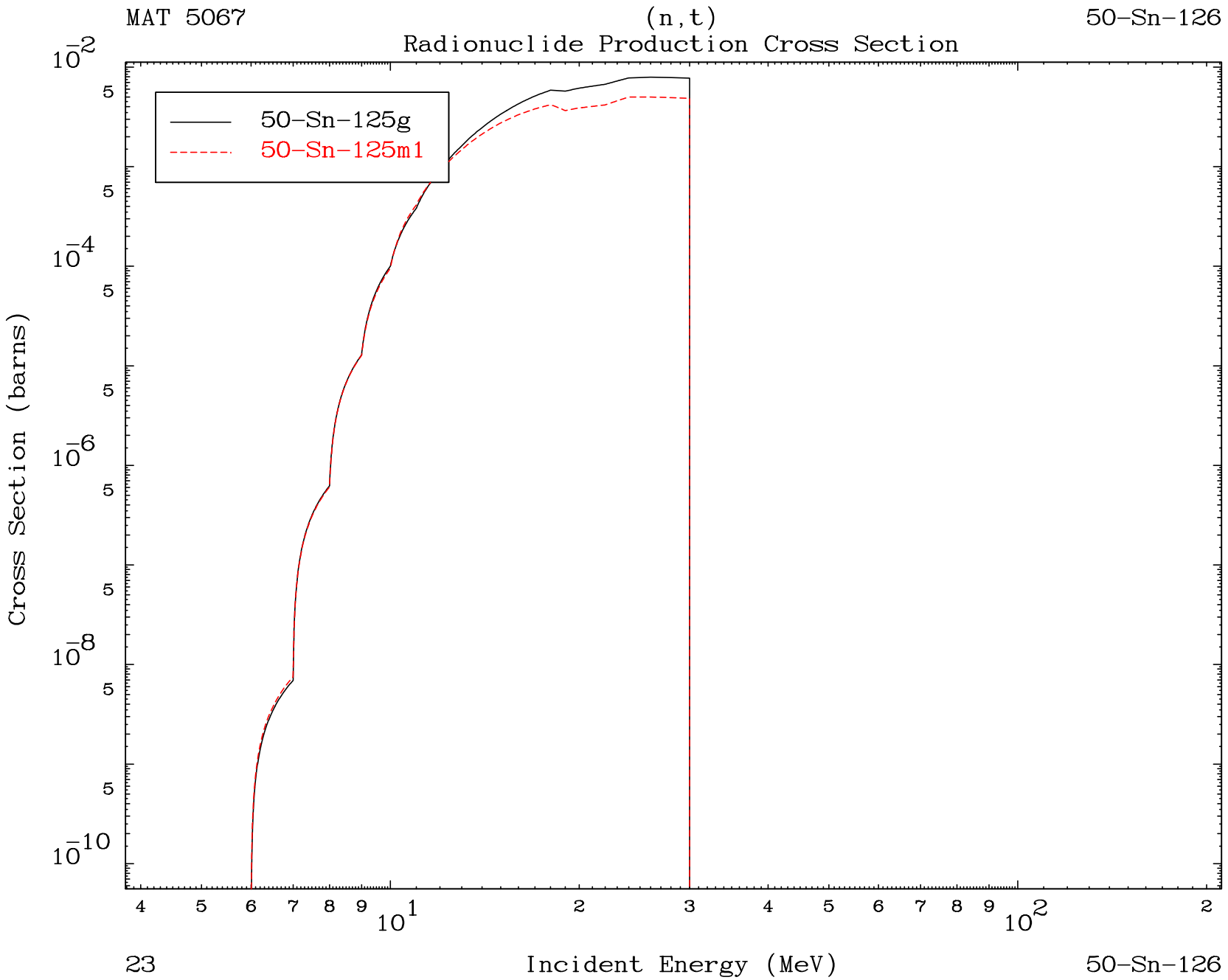

MAT 5067
(n,4n)
50-Sn-126
Radionuclide Production Cross Section
51-Sb-124g
51-Sb-124m1
51-Sb-124m2
Cross Section (barns)
Incident Energy (MeV)
18
50-Sn-126

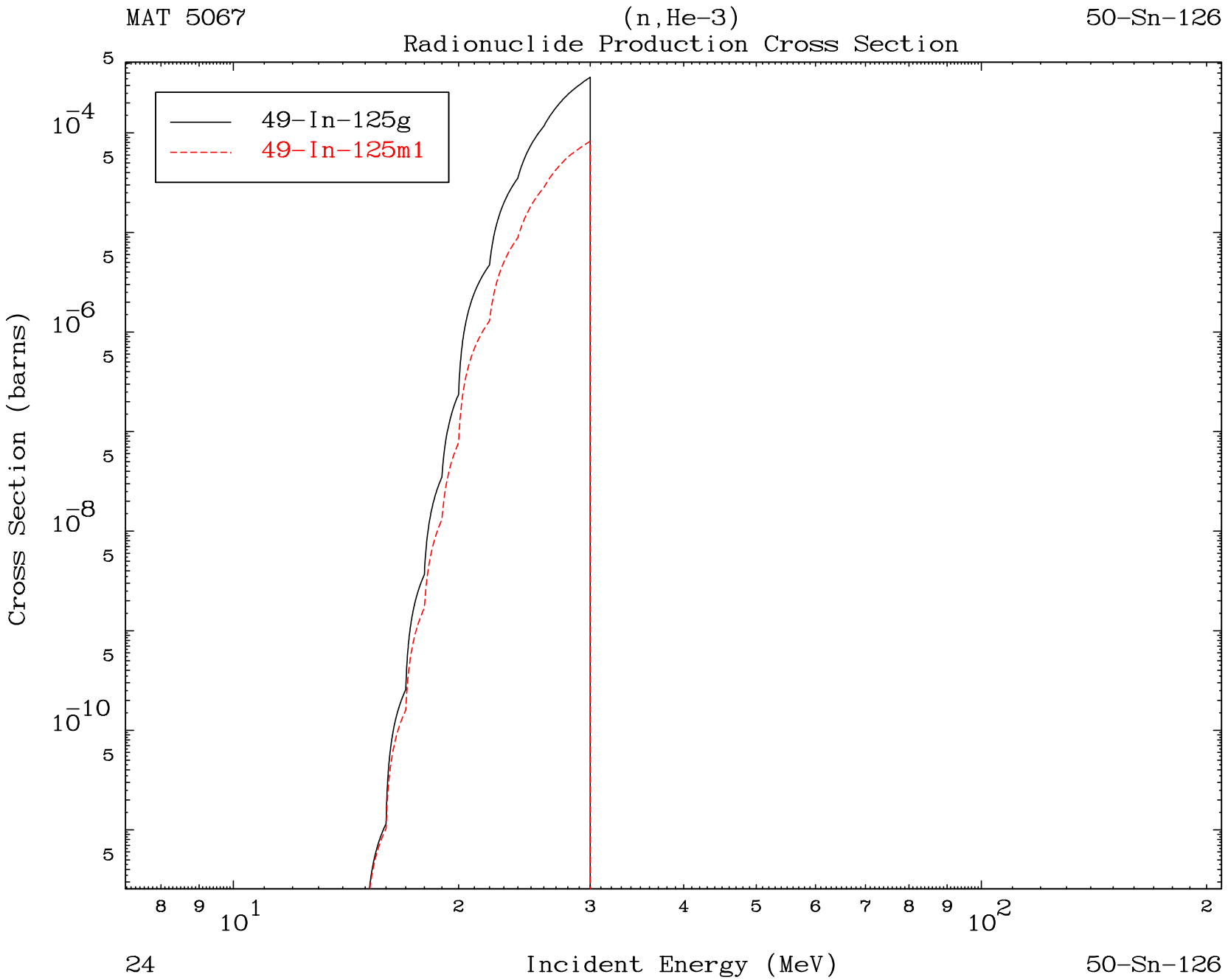

MAT 5067
(n,2n) p
50-Sn-126
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
50-Sn-126

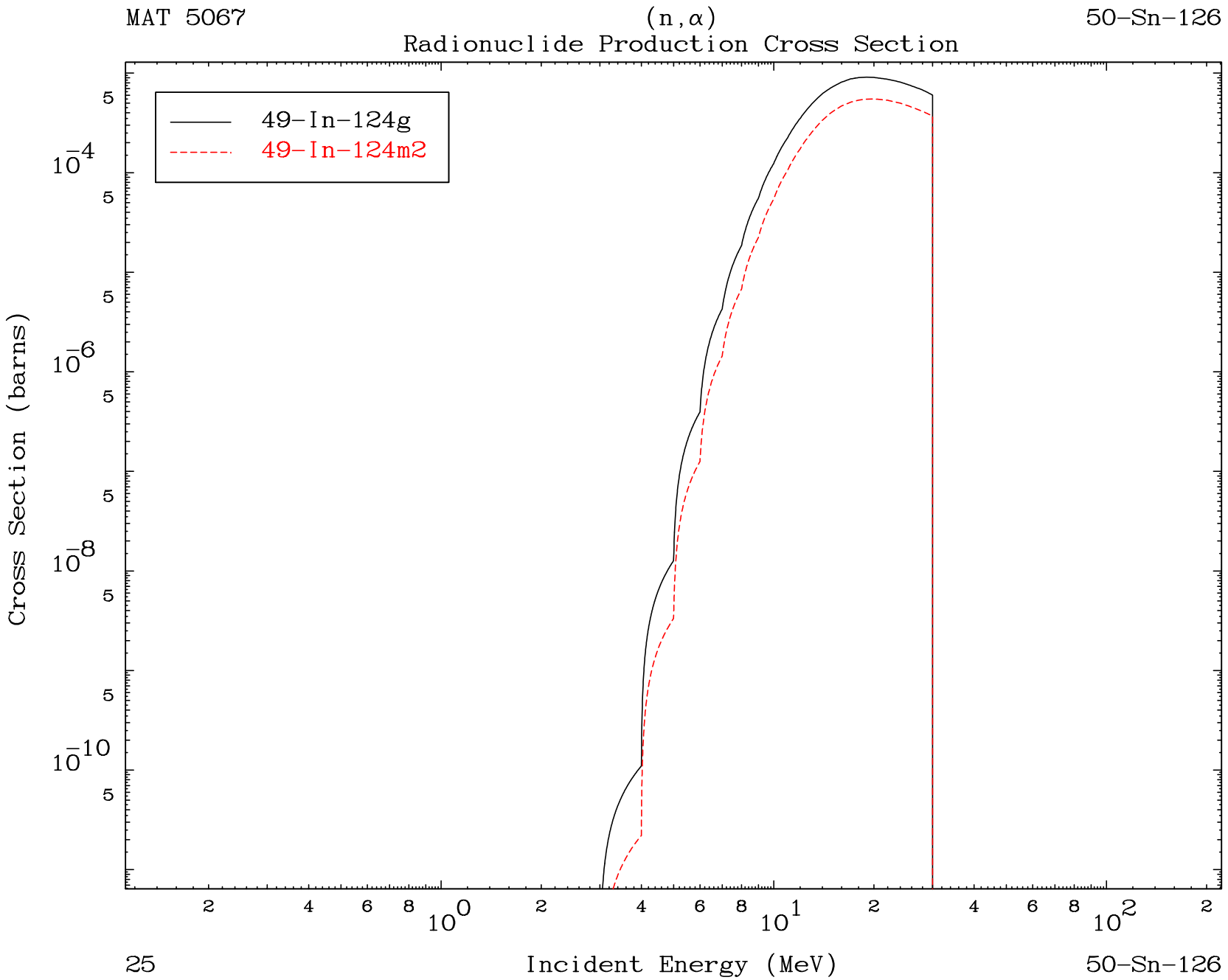

MAT 5067
(n,2n) p
50-Sn-126
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
50-Sn-126

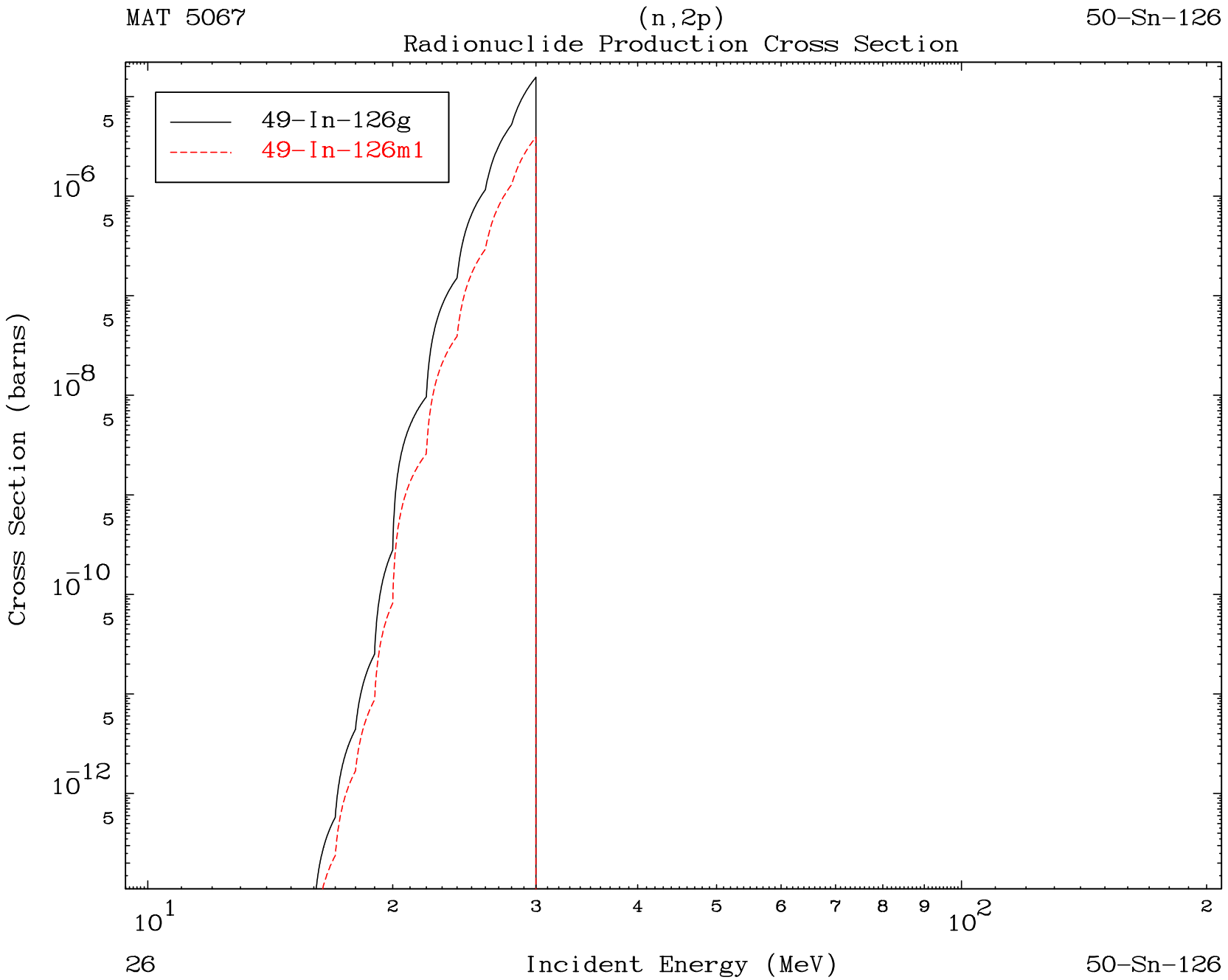

MAT 5067
(n,γ)
50-Sn-126
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
Cross Section (barns)
Incident Energy (MeV)
21
50-Sn-126

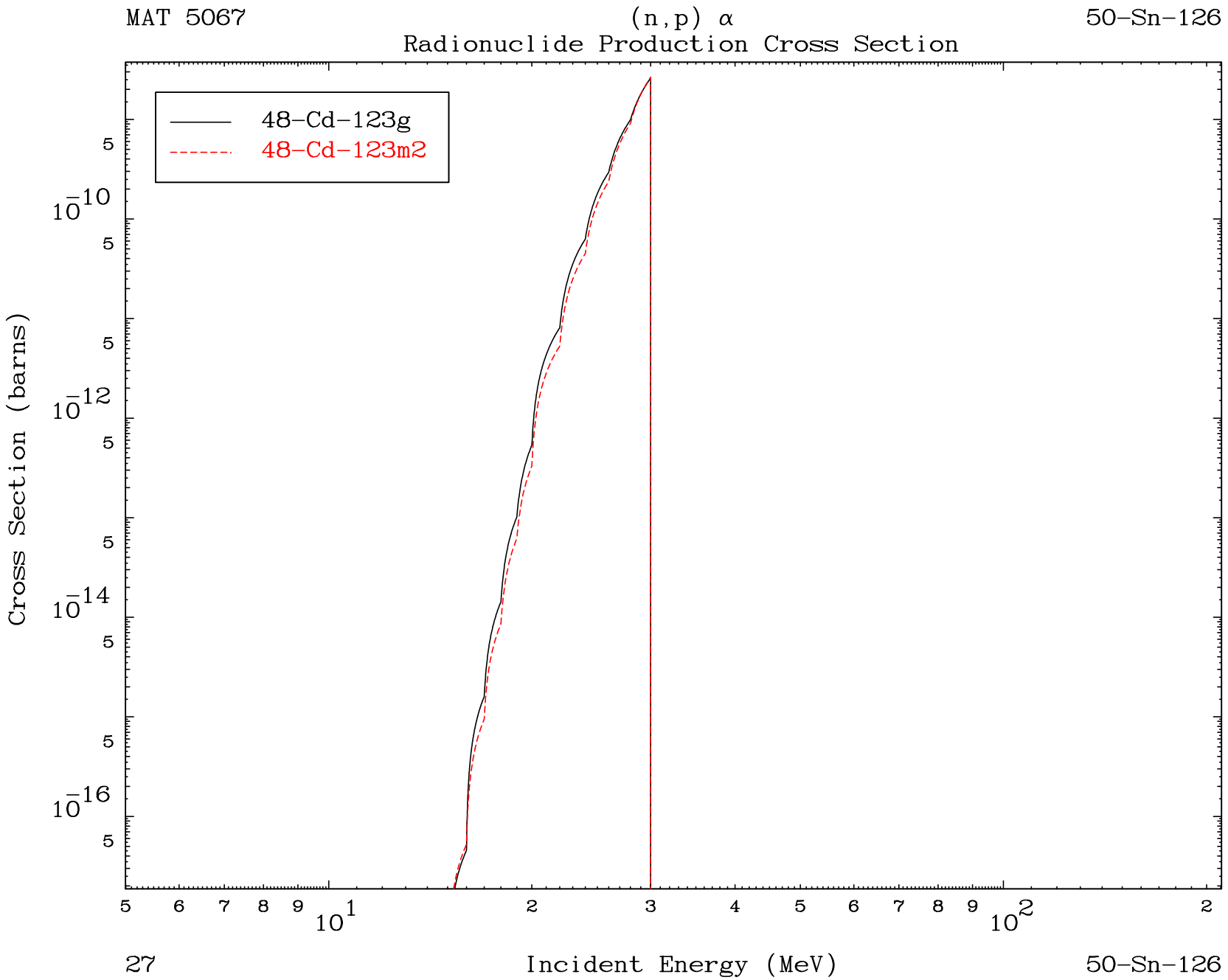

MAT 5067
(n,p)
50-Sn-126
Radionuclide Production Cross Section
50-Sn-127g
50-Sn-127m1
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
22
50-Sn-126

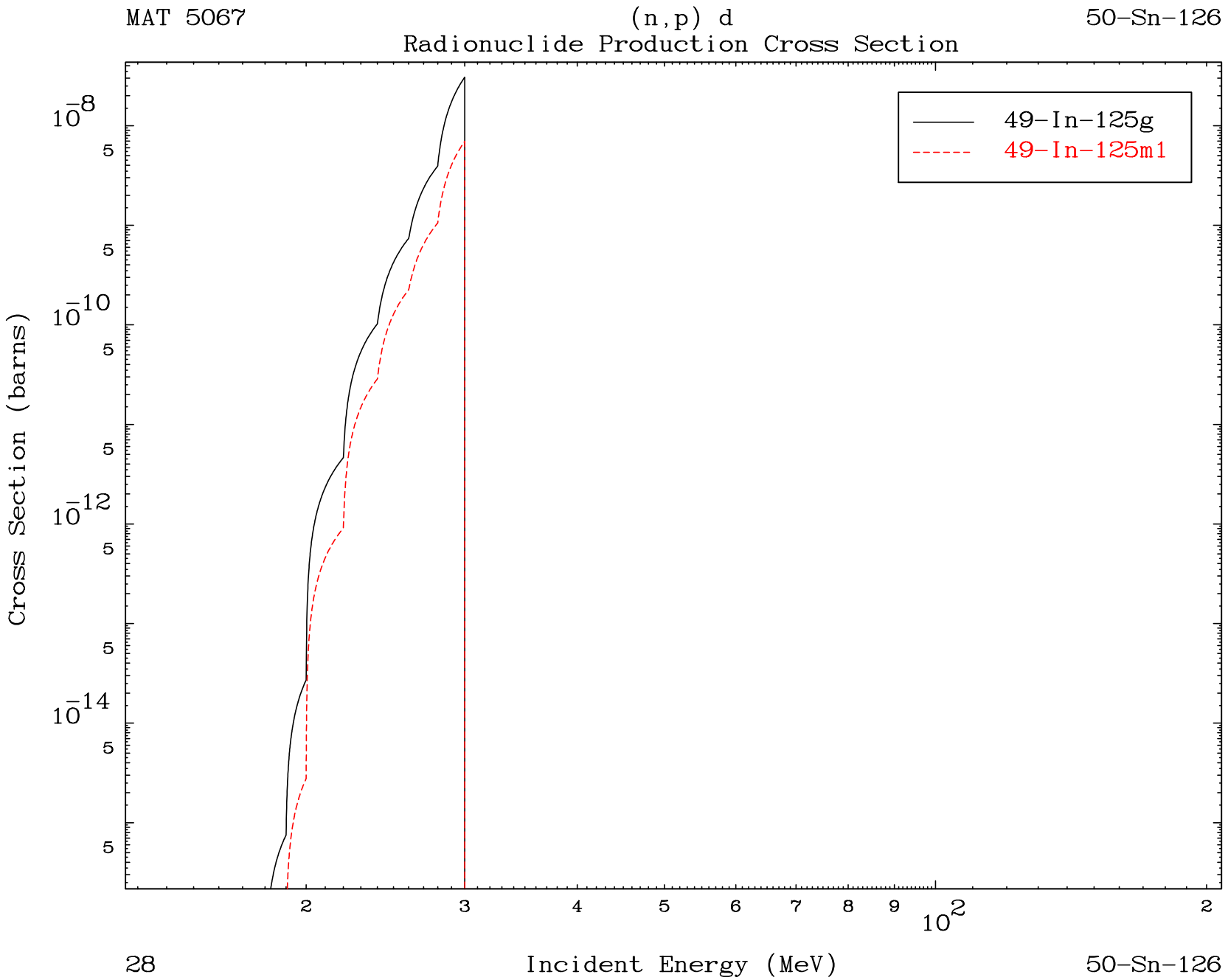

MAT 5067
(n,t)
50-Sn-126
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
Incident Energy (MeV)
23
50-Sn-126

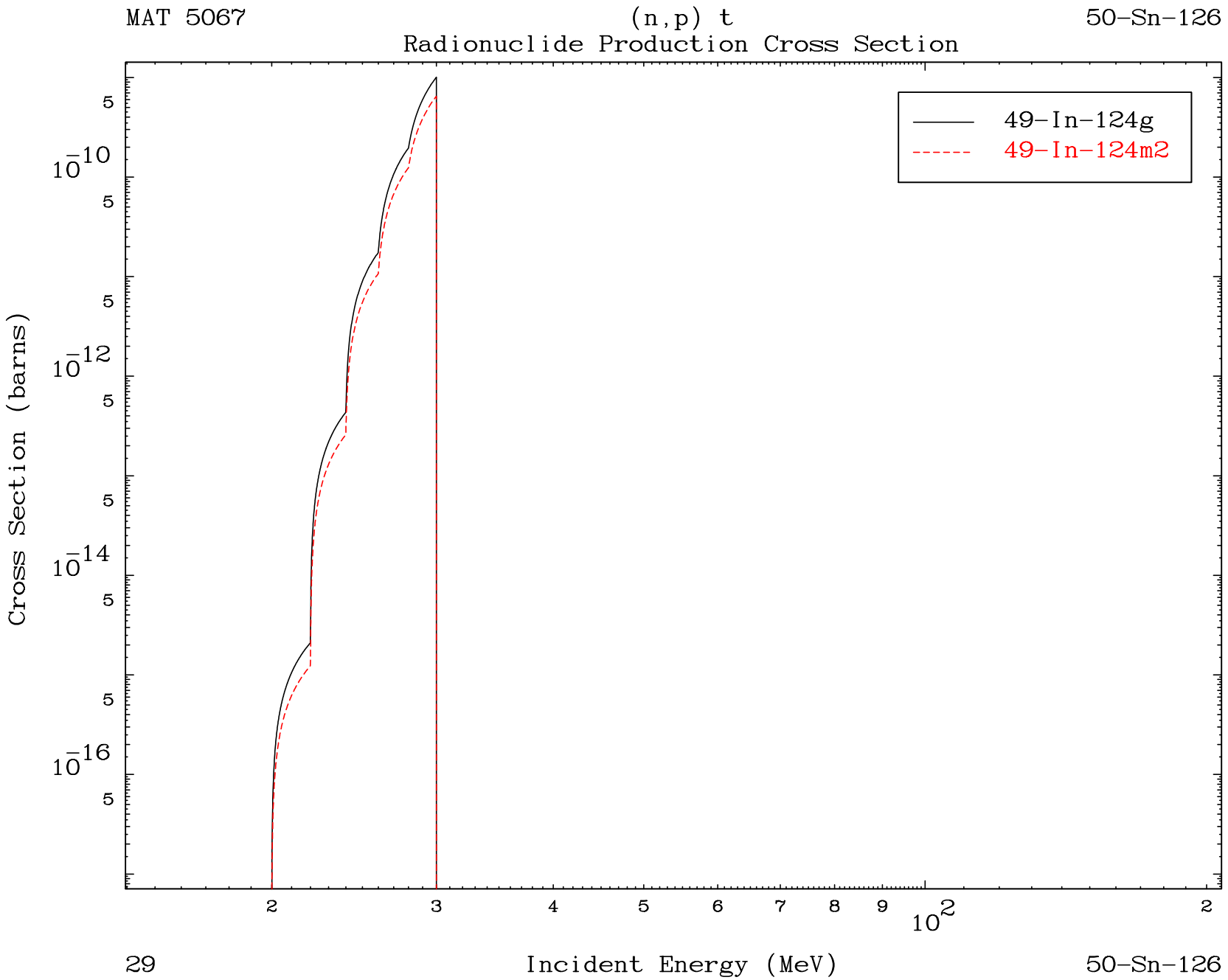

MAT 5067
(n,He-3)
50-Sn-126
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
Incident Energy (MeV)
24
50-Sn-126


MAT 5067
(n,α)
50-Sn-126
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
25
50-Sn-126


MAT 5067
(n,2p)
50-Sn-126
Radionuclide Production Cross Section
49-In-126g
49-In-126m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^1
2
3
4
5
6
7
8
9
10^2
2
26
Incident Energy (MeV)
50-Sn-126


MAT 5067
(n,p) α
50-Sn-126
Radionuclide Production Cross Section
48-Cd-123g
48-Cd-123m2
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
27
50-Sn-126


MAT 5067
(n,p) d
50-Sn-126
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
28
Incident Energy (MeV)
50-Sn-126


MAT 5067
(n,p) t
50-Sn-126
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
29
Incident Energy (MeV)
50-Sn-126