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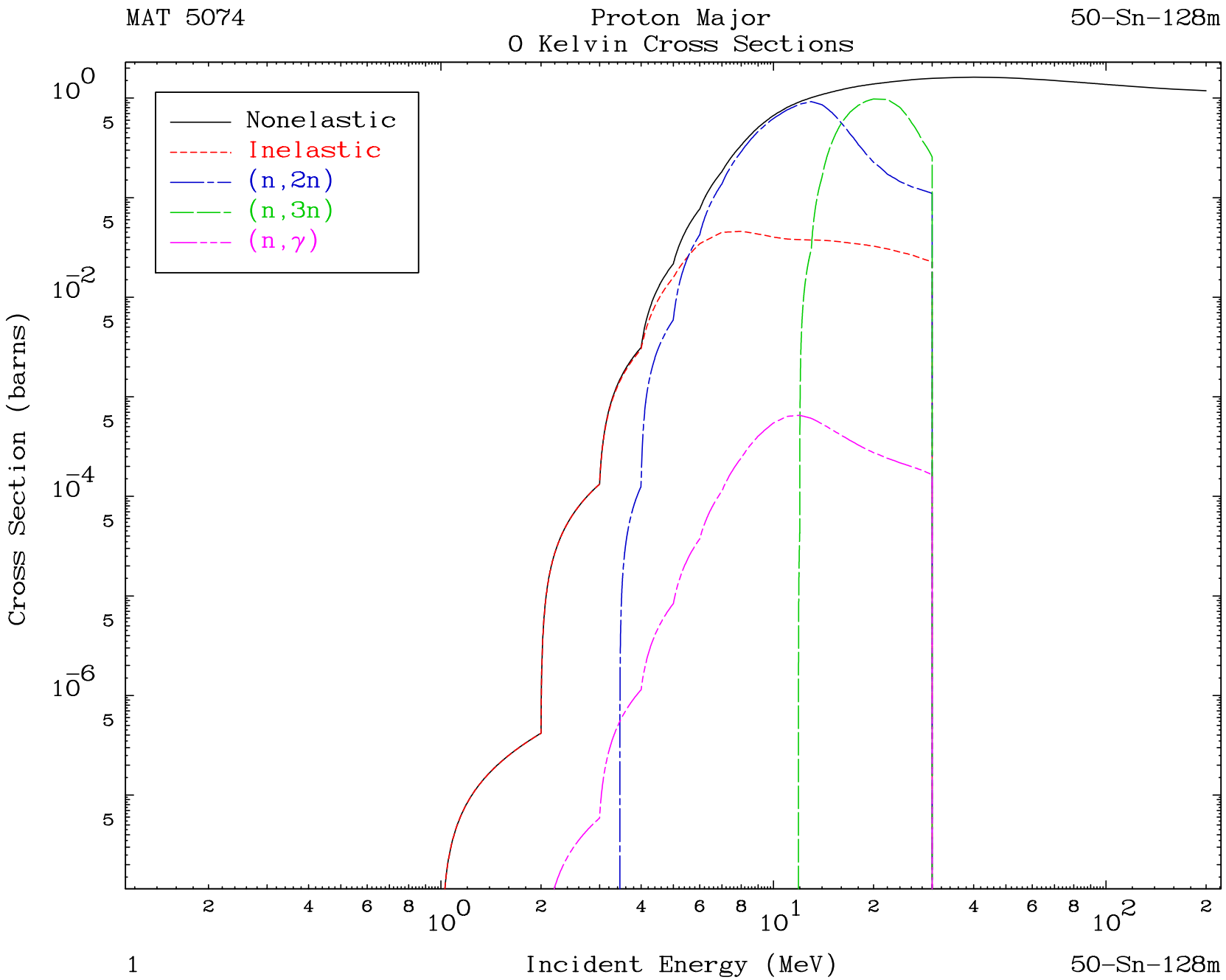
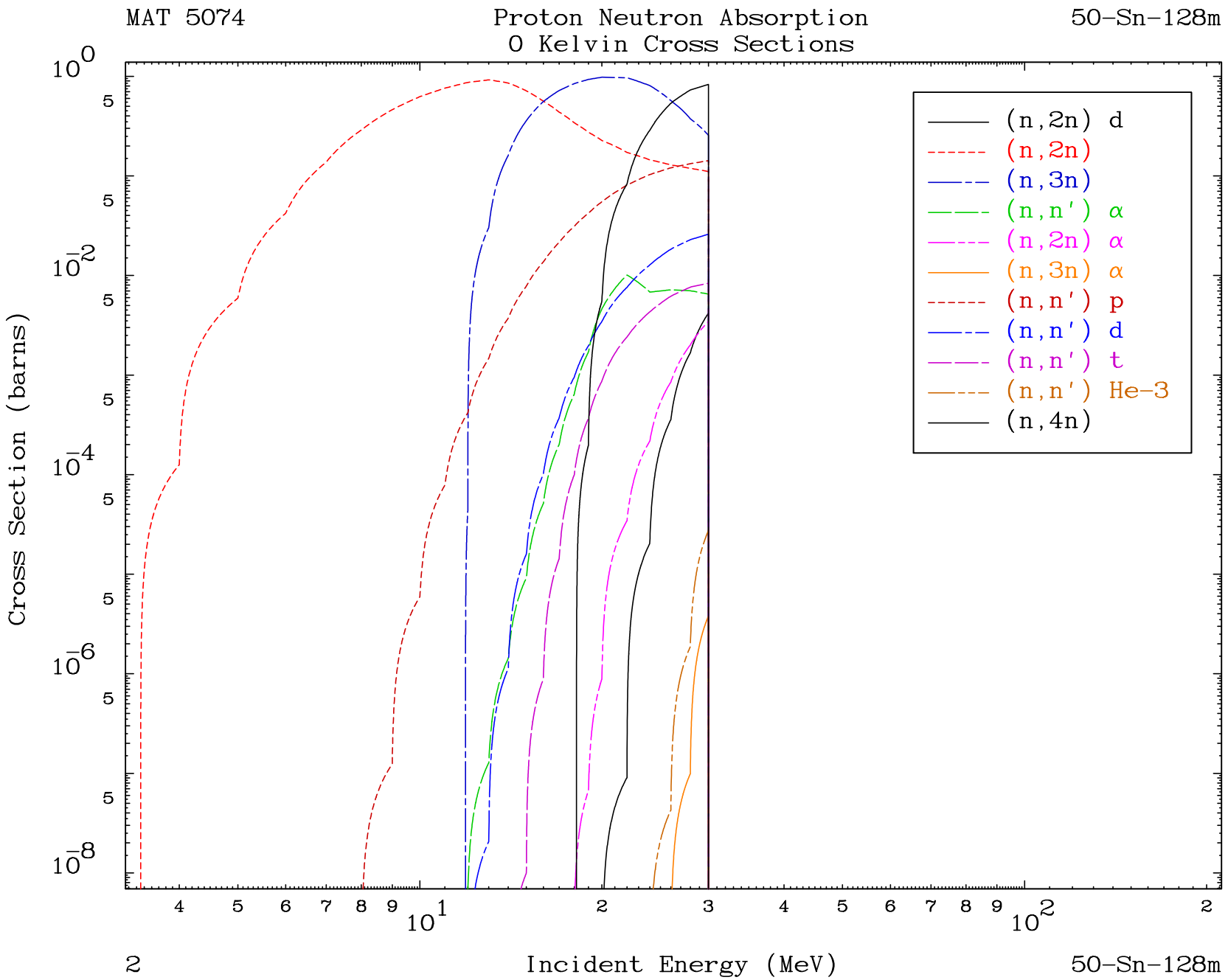
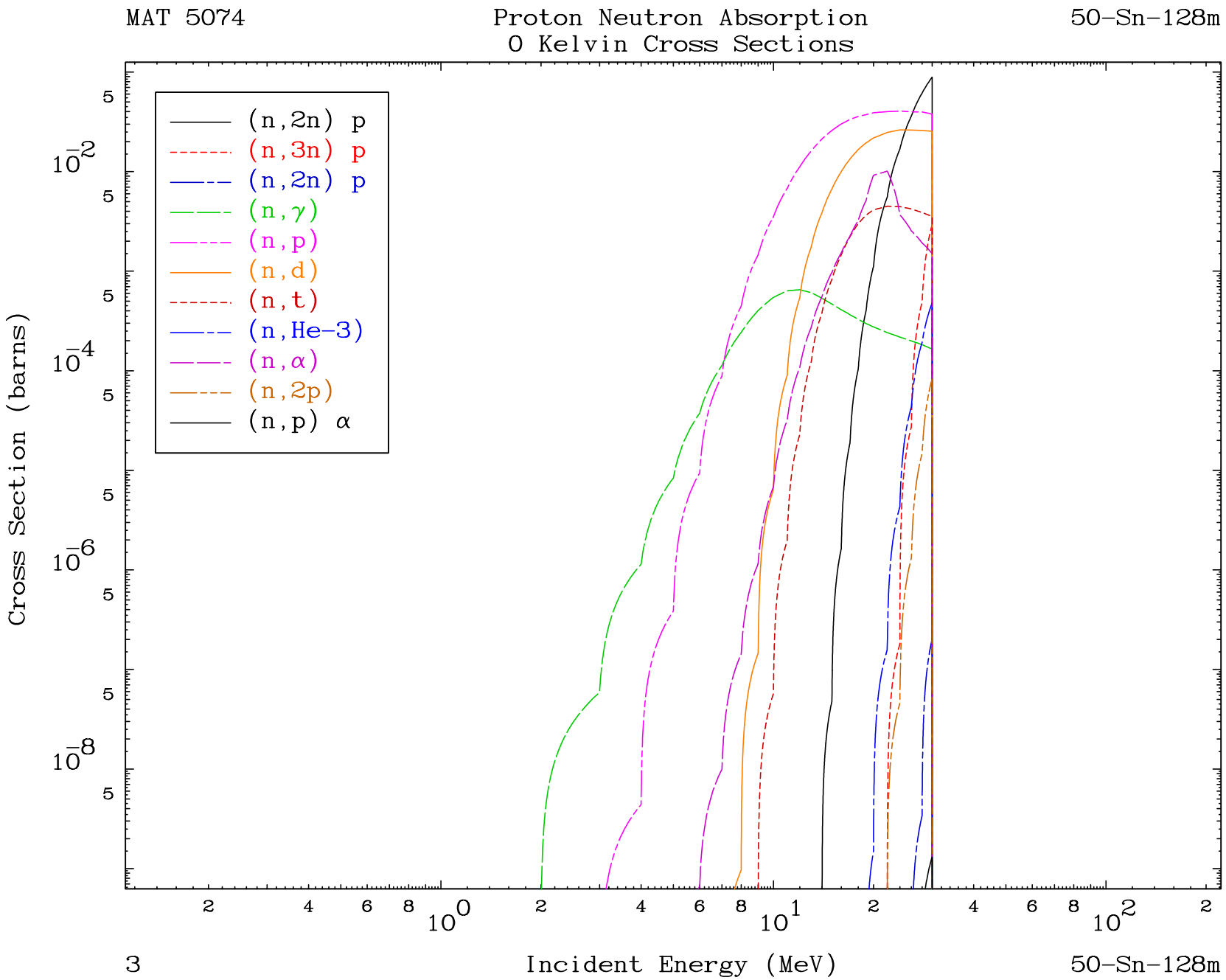
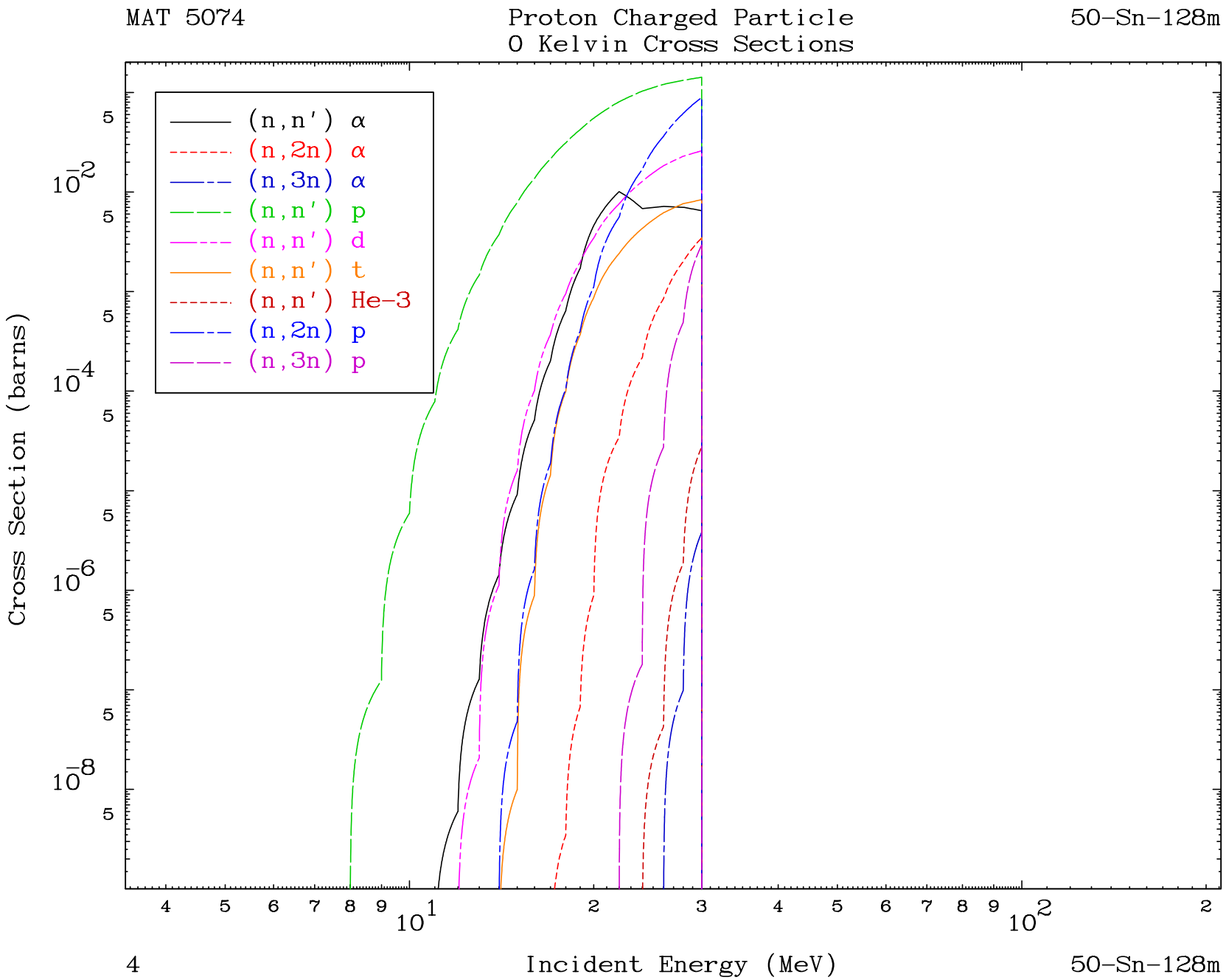
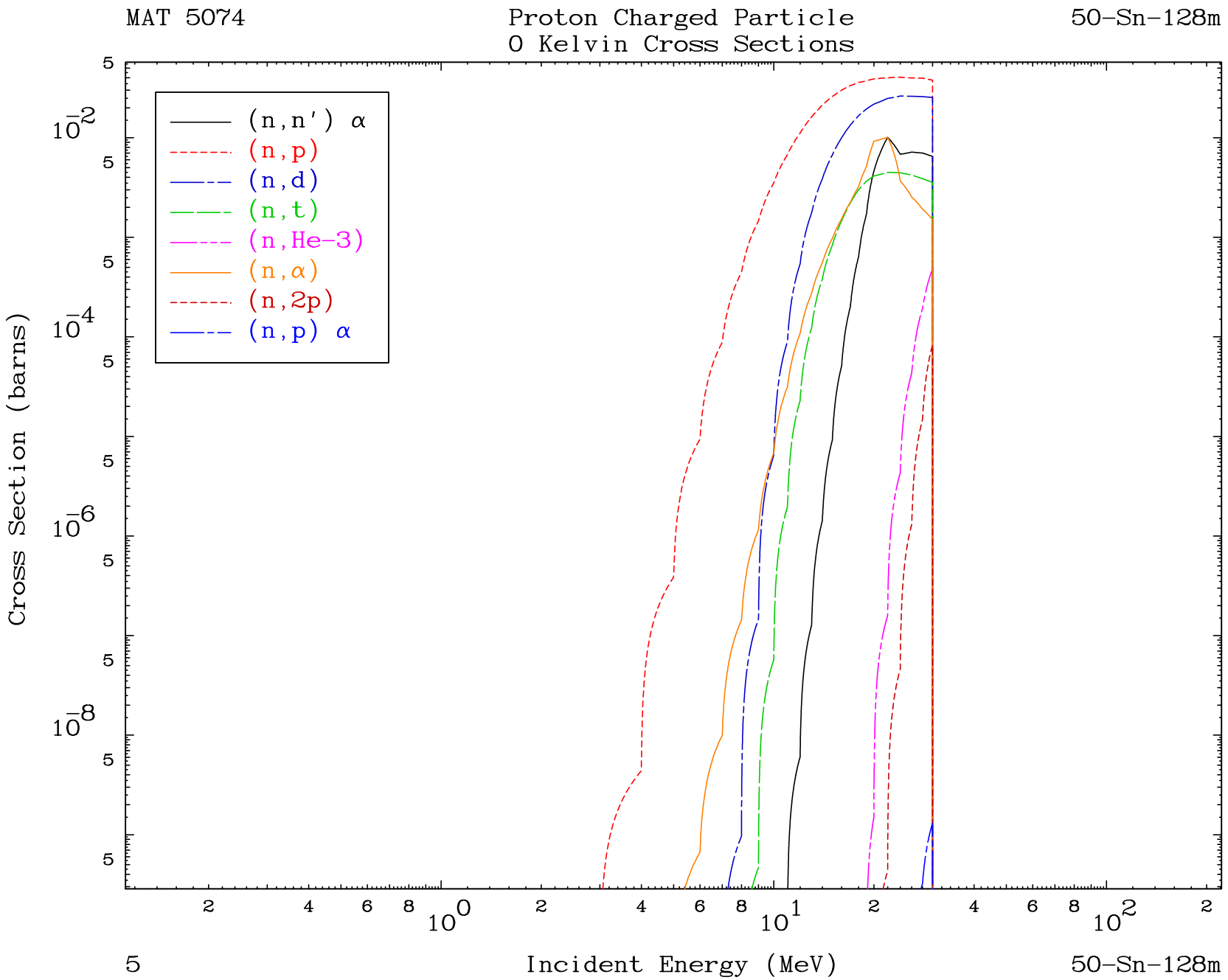
Press Mouse Button to Start

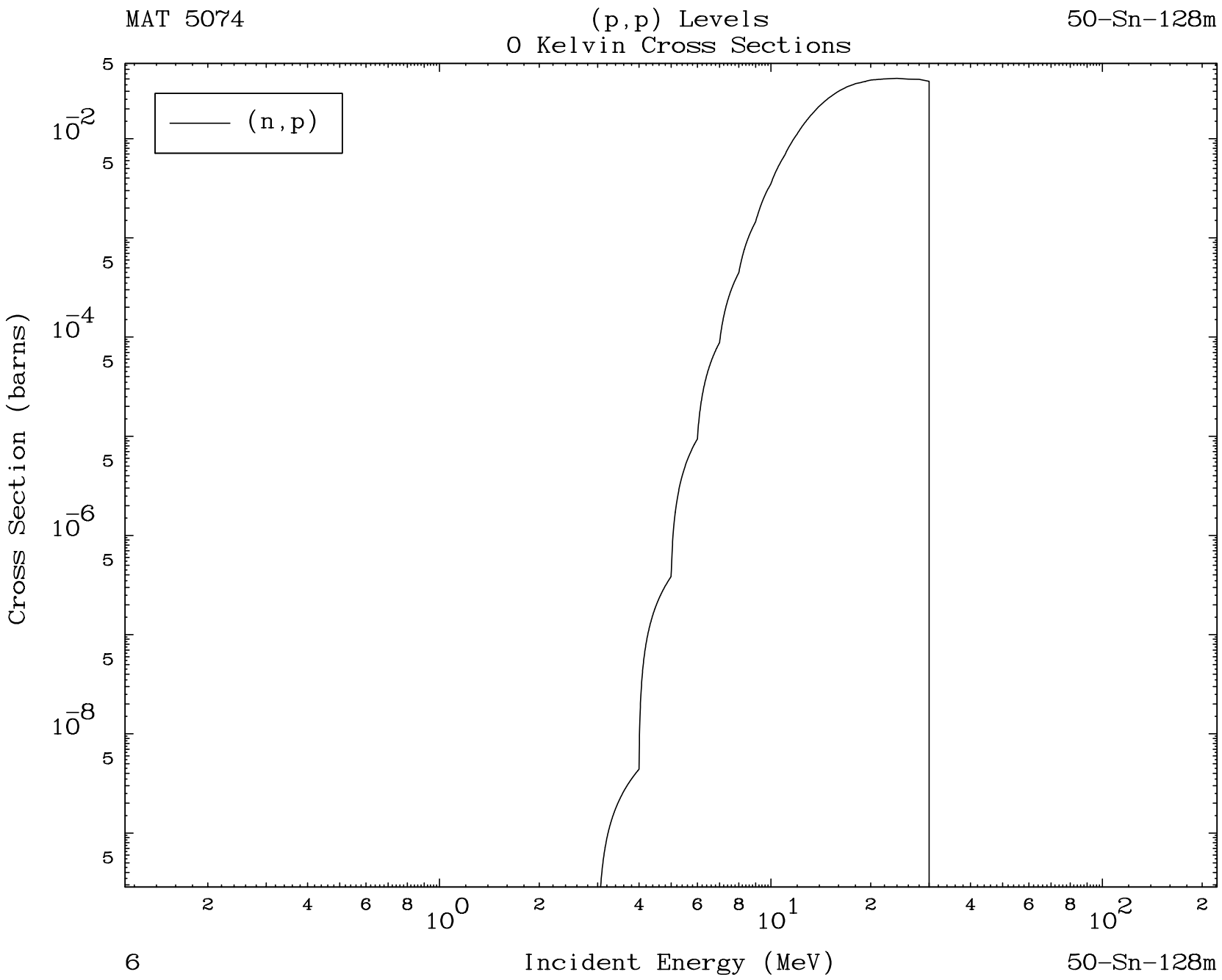

MAT 5074
Proton Major
50-Sn-128m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-128m
1

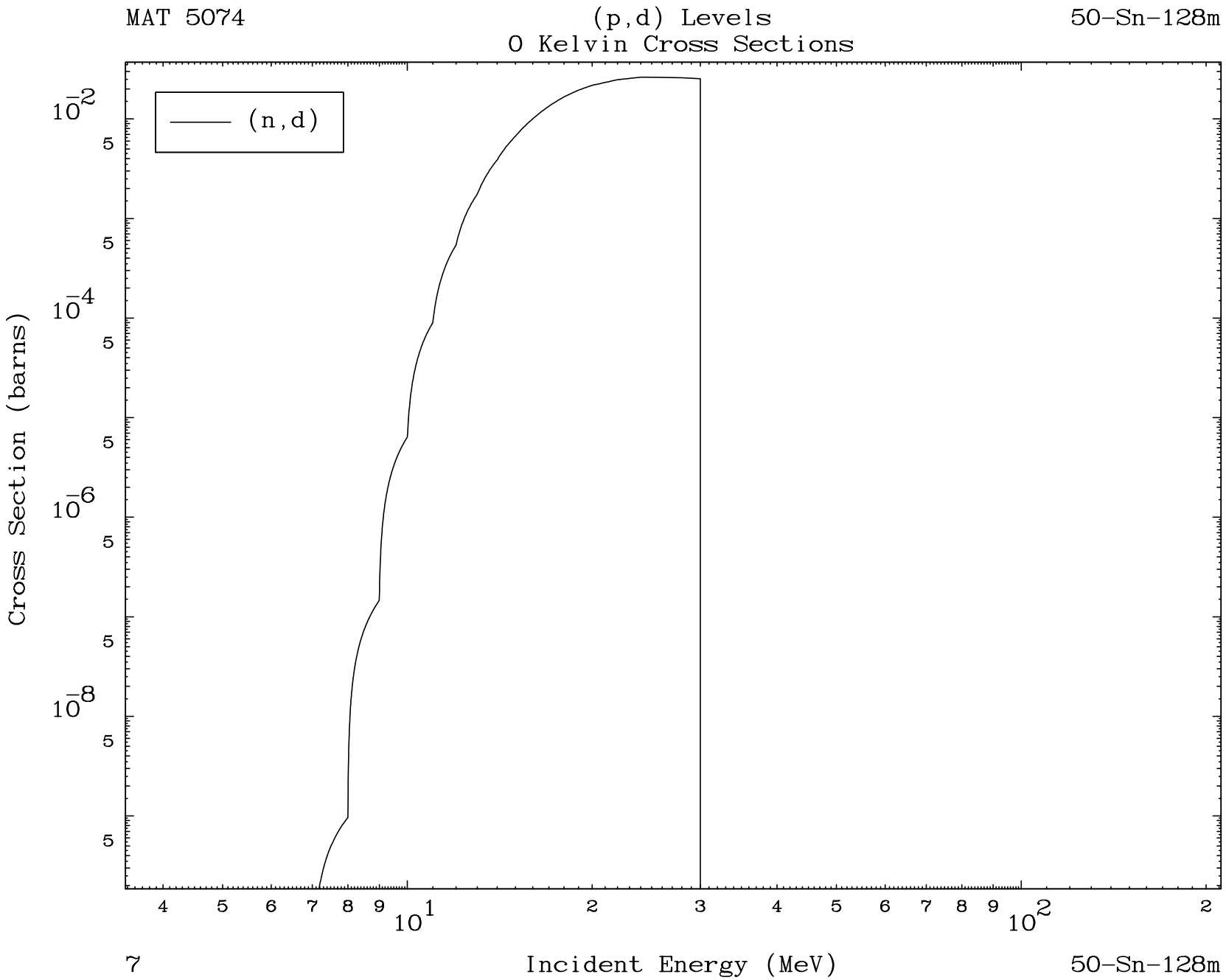

MAT 5074
Proton Neutron Absorption
0 Kelvin Cross Sections
50-Sn-128m
Cross Section (barns)
Incident Energy (MeV)
50-Sn-128m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)

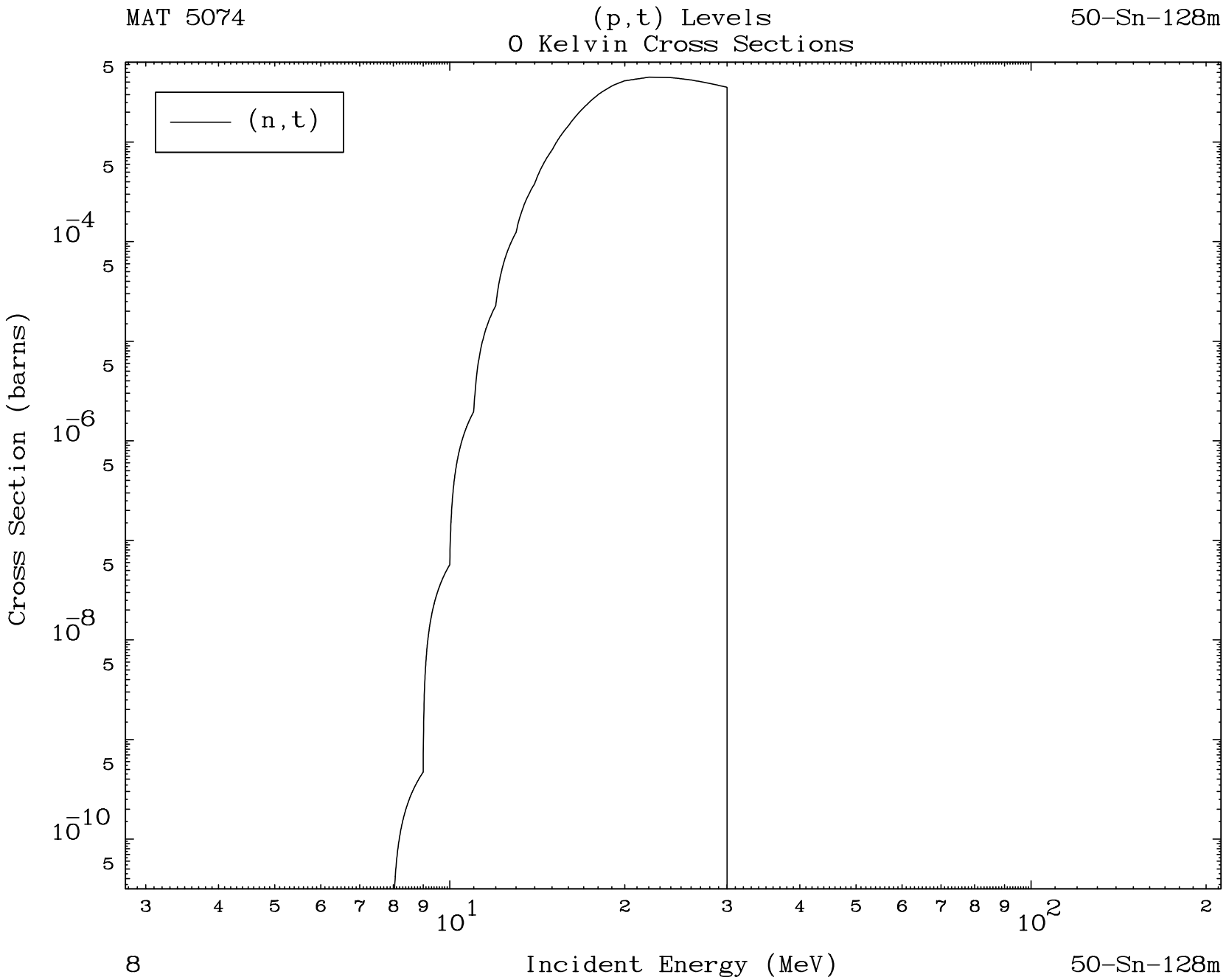

MAT 5074
Proton Neutron Absorption
0 Kelvin Cross Sections
50-Sn-128m
(n,2n) p
(n,3n) p
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-128m

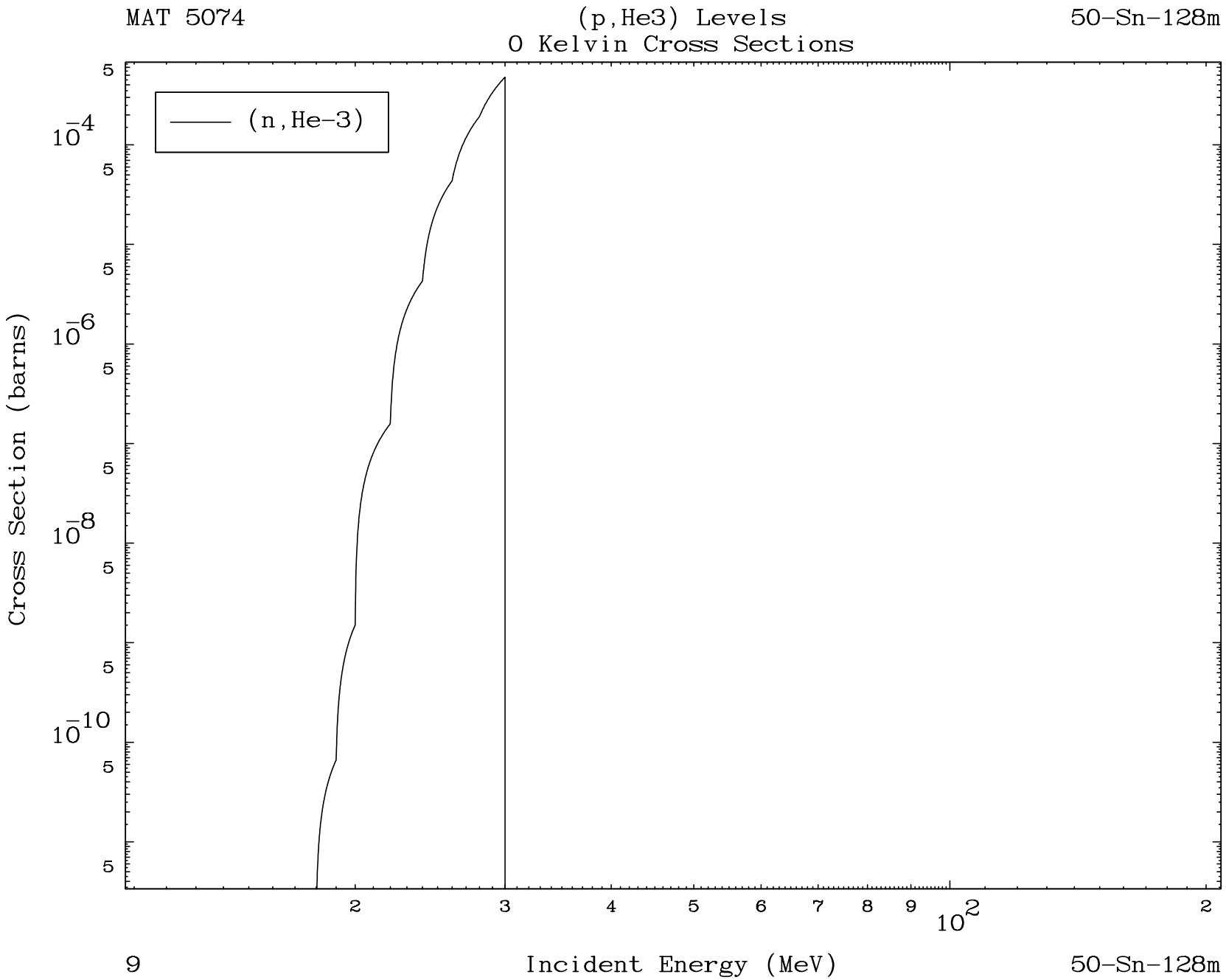

MAT 5074
Proton Charged Particle
0 Kelvin Cross Sections
50-Sn-128m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
50-Sn-128m

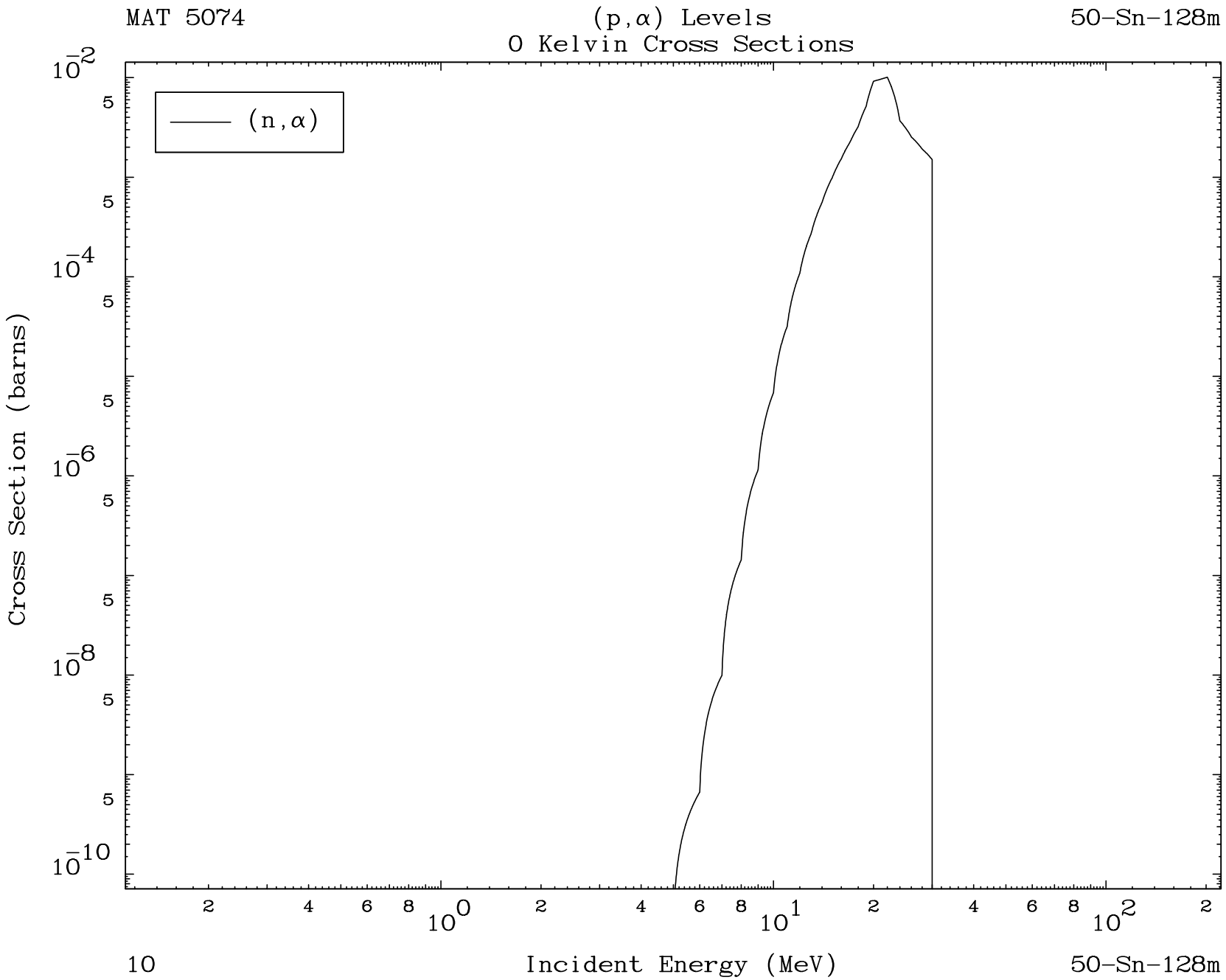

MAT 5074
Proton Charged Particle
0 Kelvin Cross Sections
50-Sn-128m
(n,n') α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
50-Sn-128m

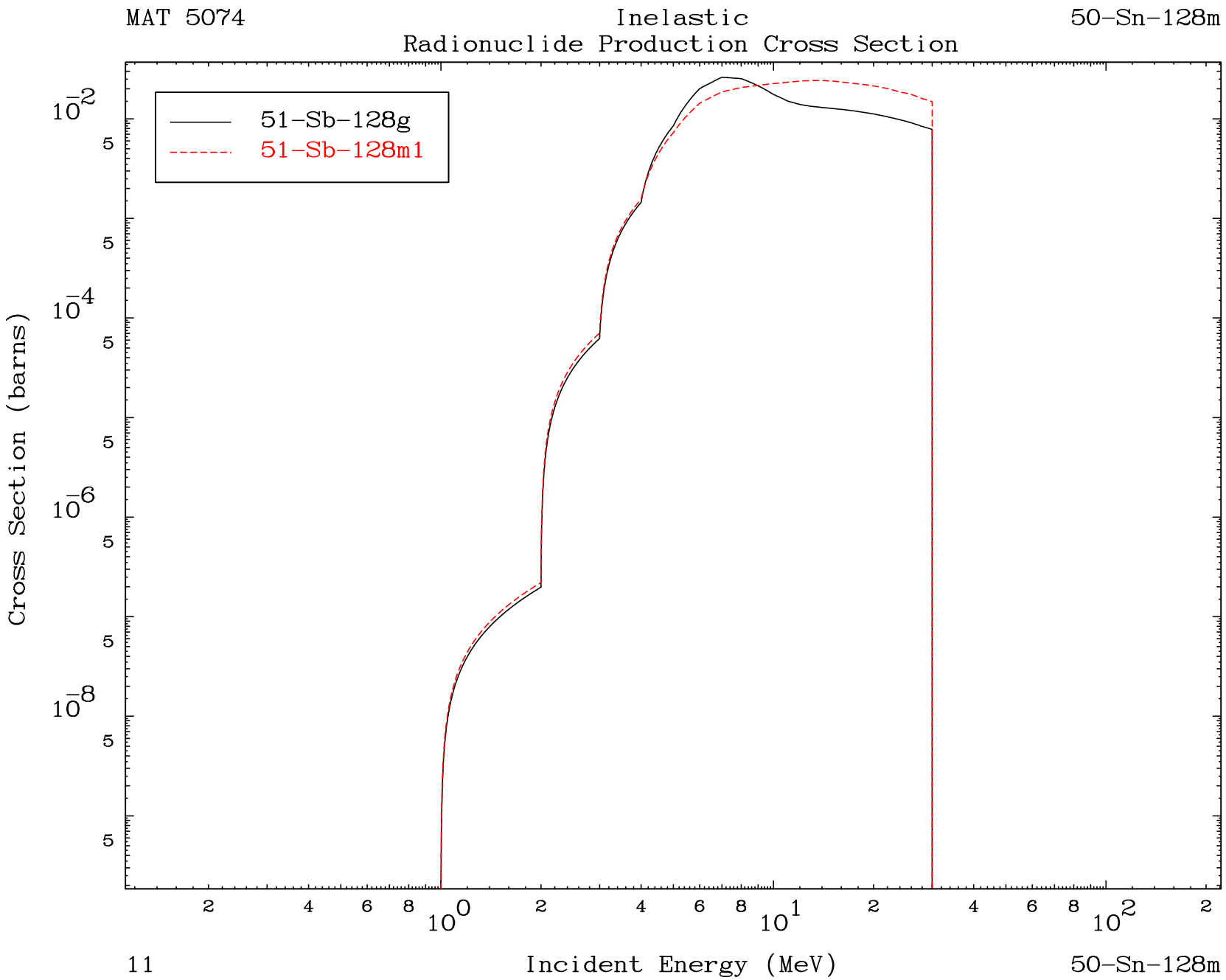

MAT 5074
(p,p) Levels
50-Sn-128m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
6
50-Sn-128m

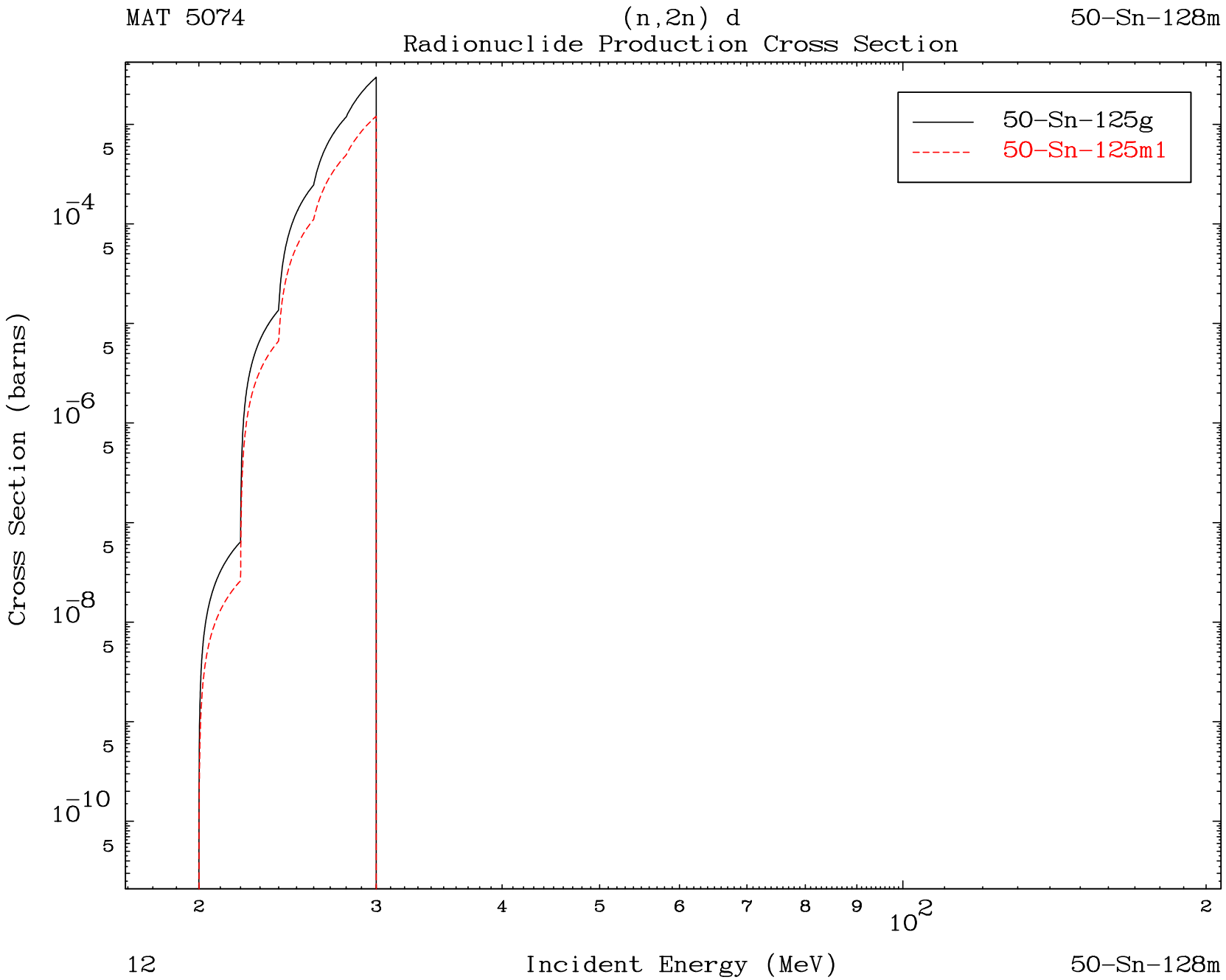

MAT 5074
(p,d) Levels
50-Sn-128m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
7
50-Sn-128m

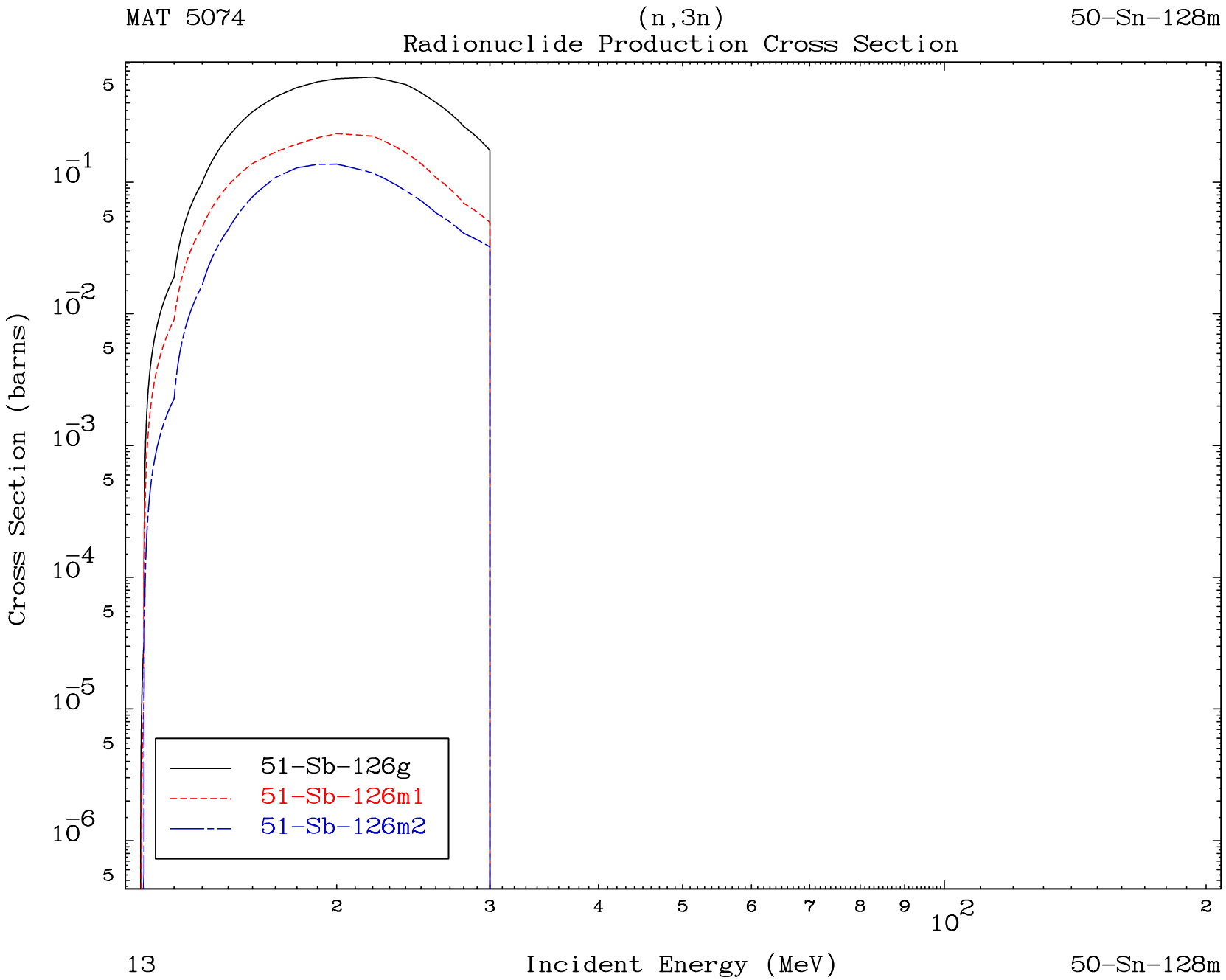

MAT 5074
(p,t) Levels
50-Sn-128m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^1
10^2
8
50-Sn-128m

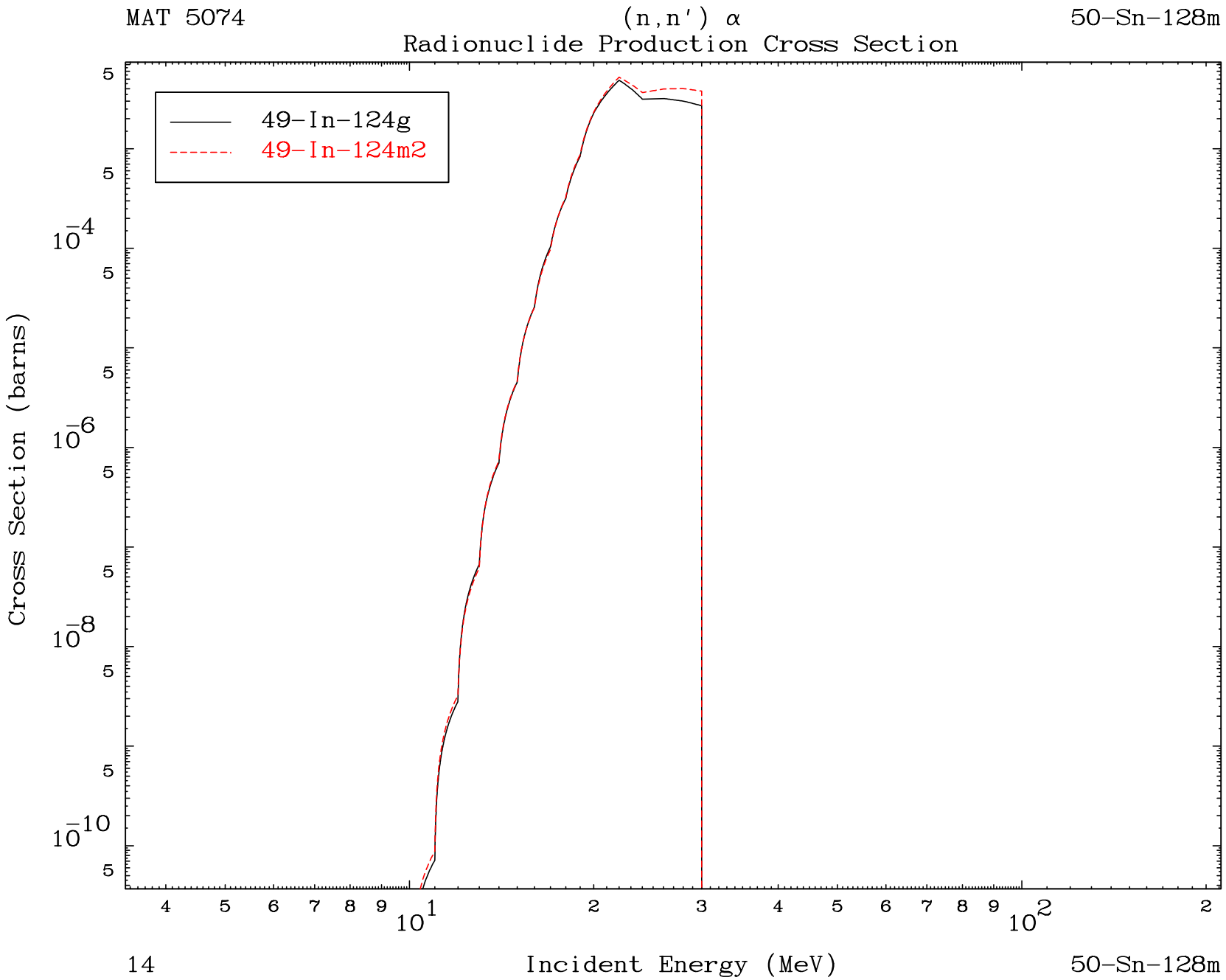

MAT 5074
(p,He3) Levels
50-Sn-128m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
9
50-Sn-128m

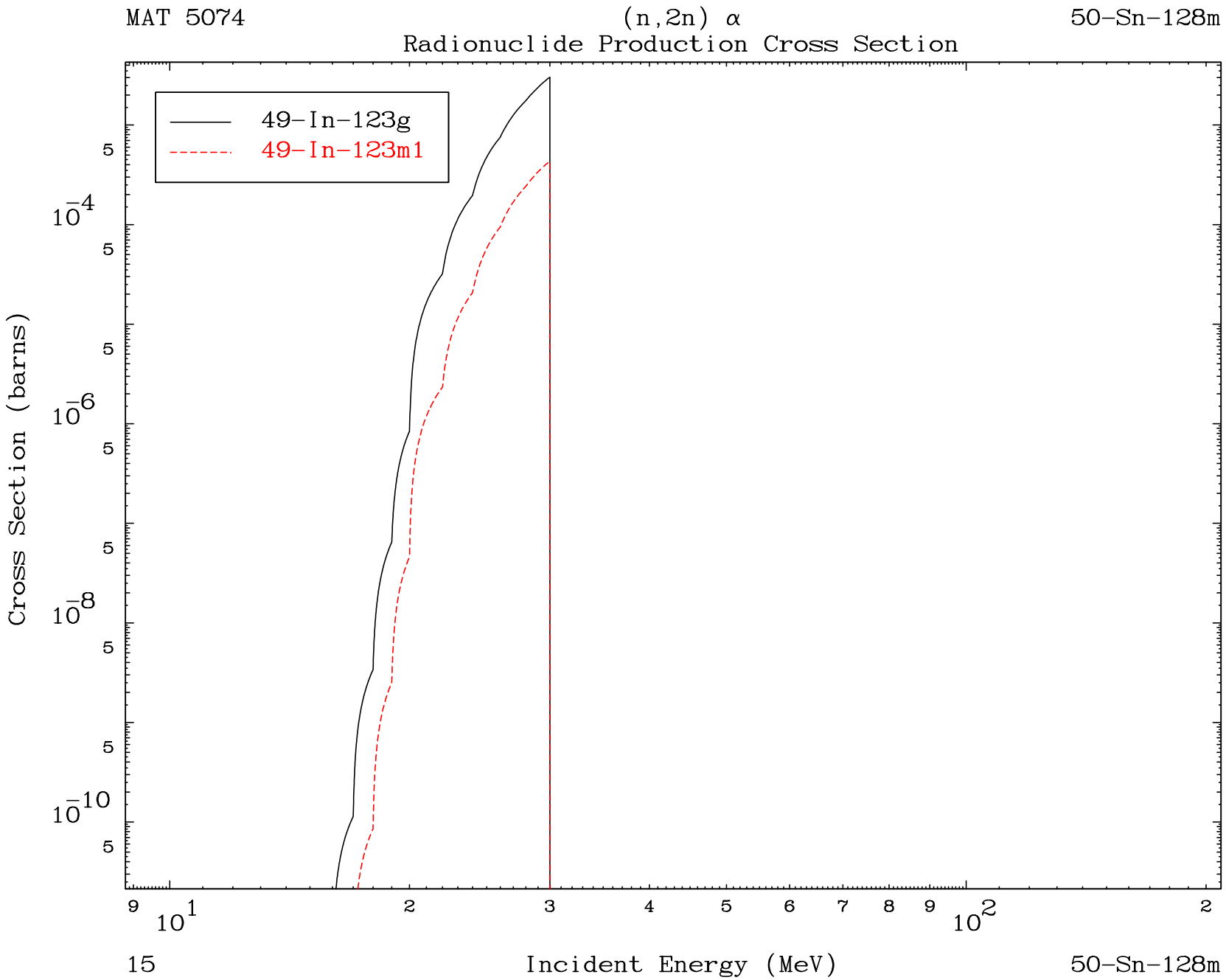

MAT 5074
(p,α) Levels
50-Sn-128m
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-128m

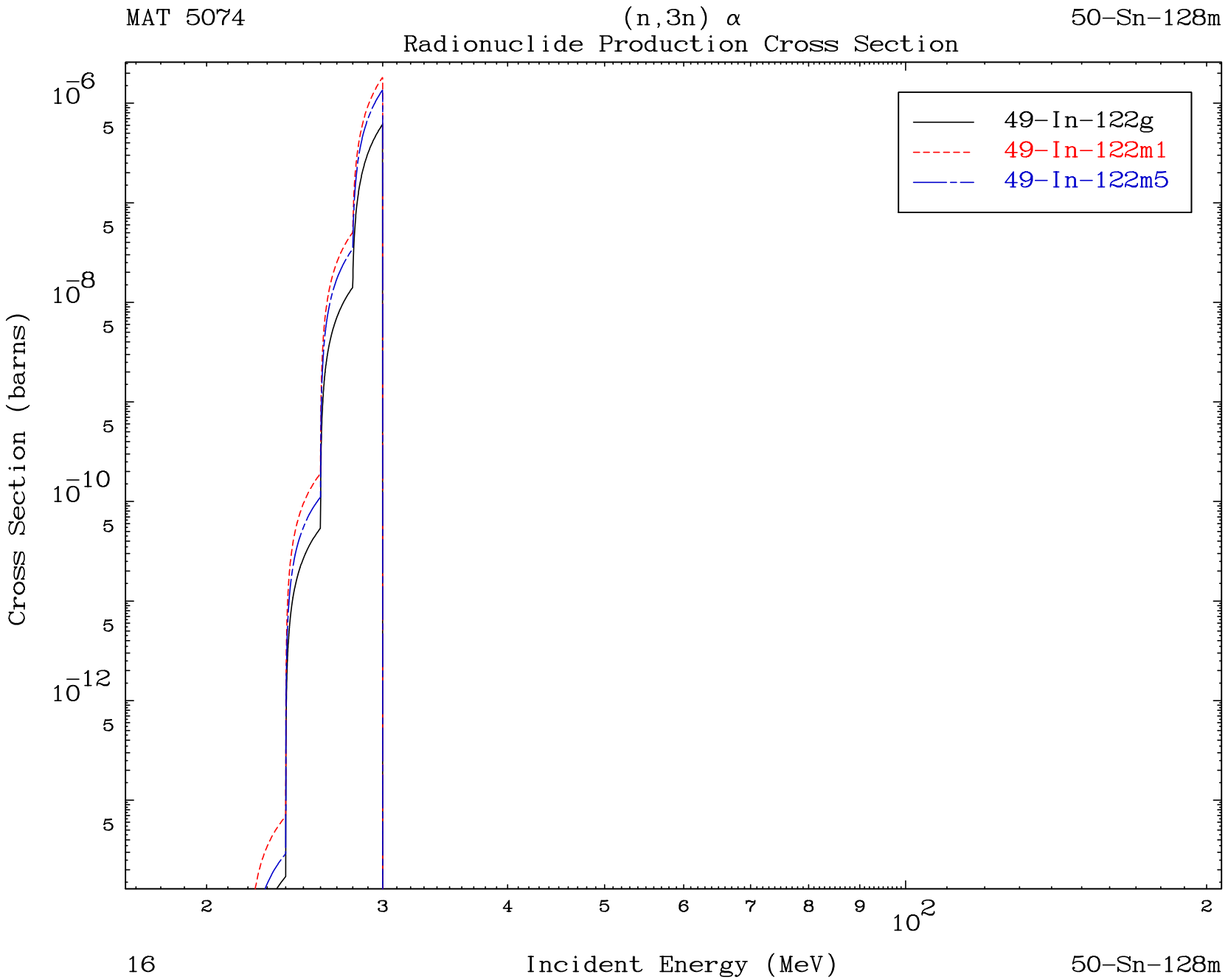

MAT 5074
Inelastic
50-Sn-128m
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
Cross Section (barns)
Incident Energy (MeV)
11
50-Sn-128m

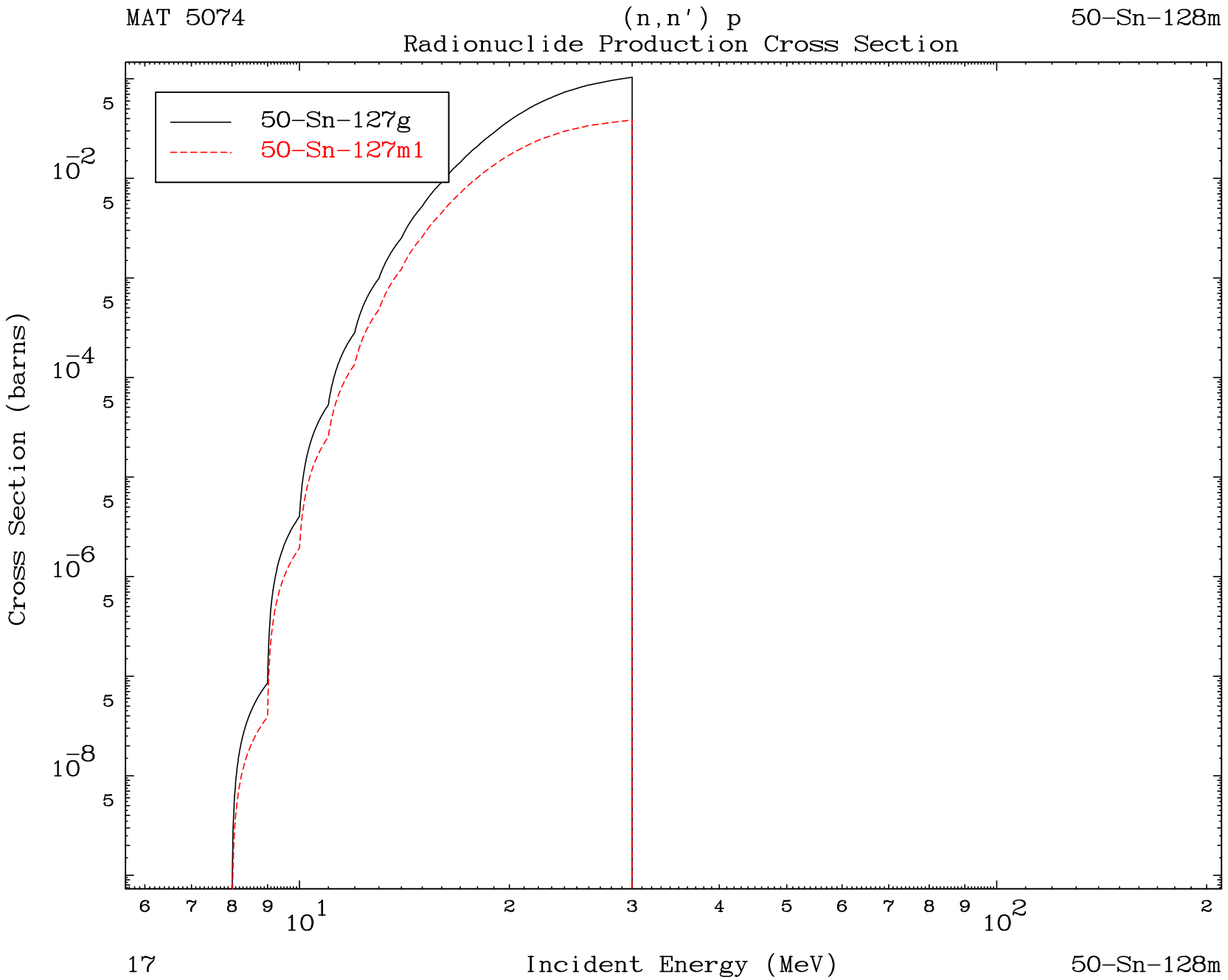

MAT 5074
(n,2n) d
50-Sn-128m
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
50-Sn-128m

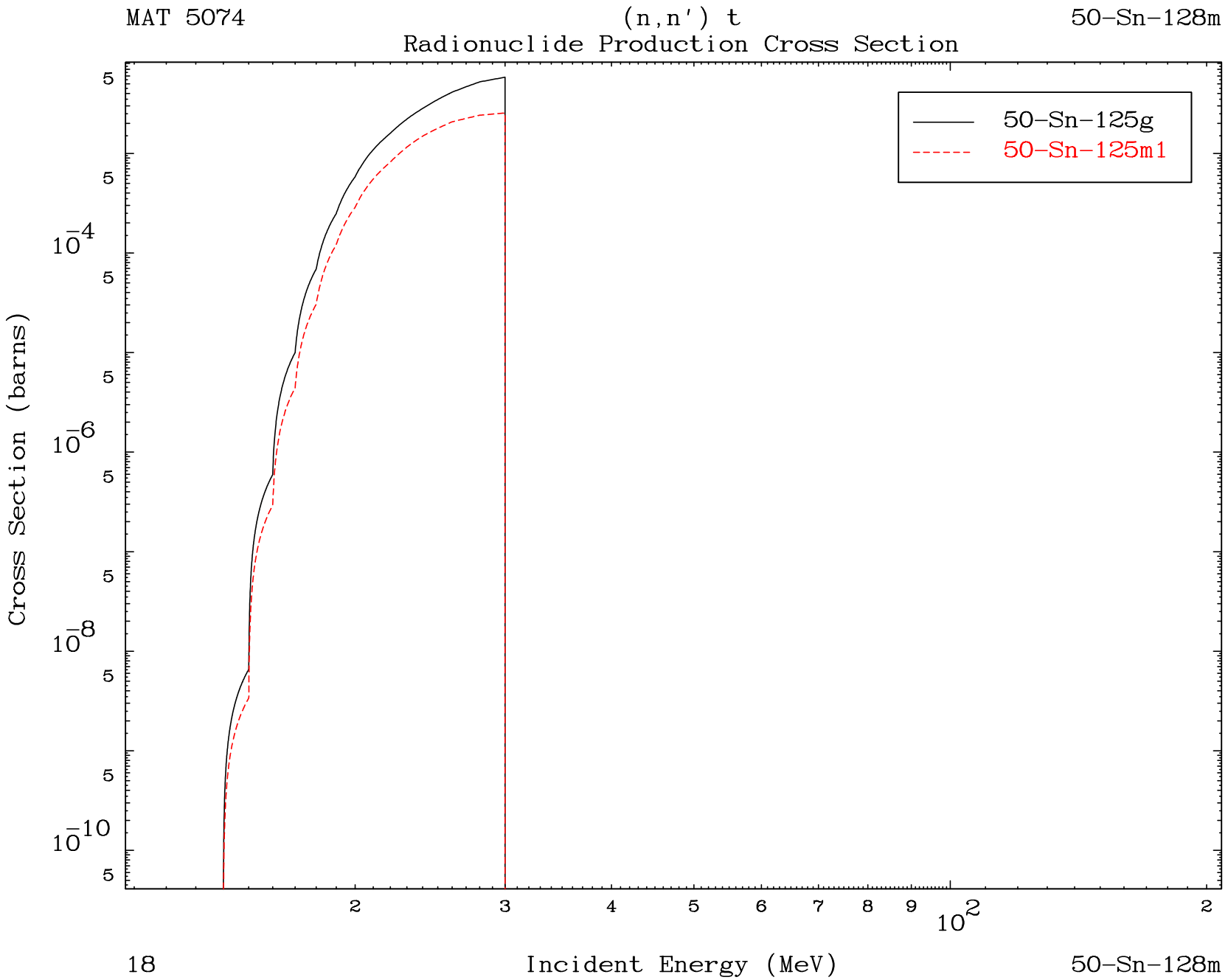

MAT 5074
(n,3n)
50-Sn-128m
Radionuclide Production Cross Section
Cross Section (barns)
10-1
10-2
10-3
10-4
10-5
10-6
5
2
3
4
5
6
7
8
9
10 2
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
13
Incident Energy (MeV)
50-Sn-128m

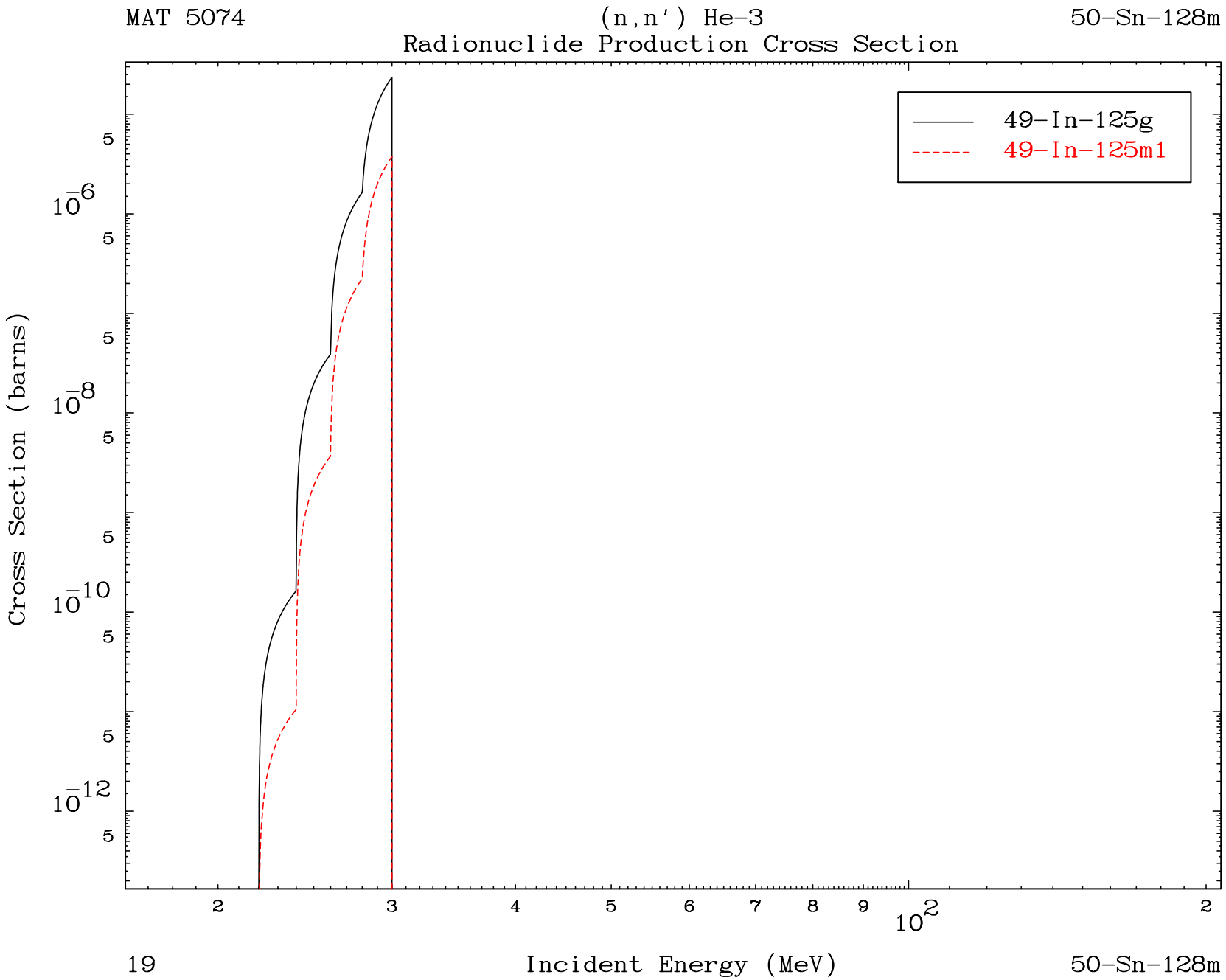

MAT 5074
(n,n') α
50-Sn-128m
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
Incident Energy (MeV)
14
50-Sn-128m

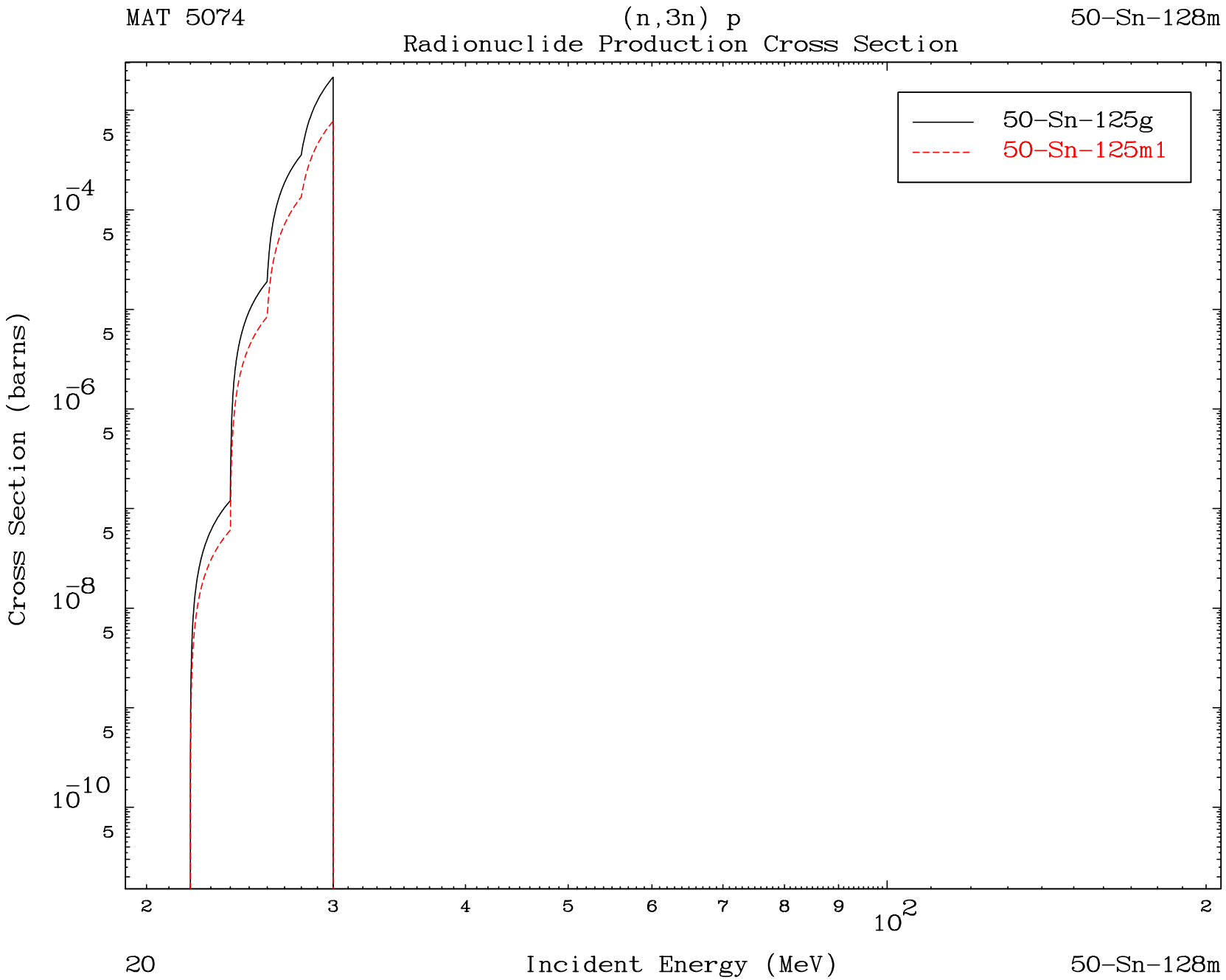

MAT 5074
(n,2n) α
50-Sn-128m
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
9
10^1
2
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
50-Sn-128m

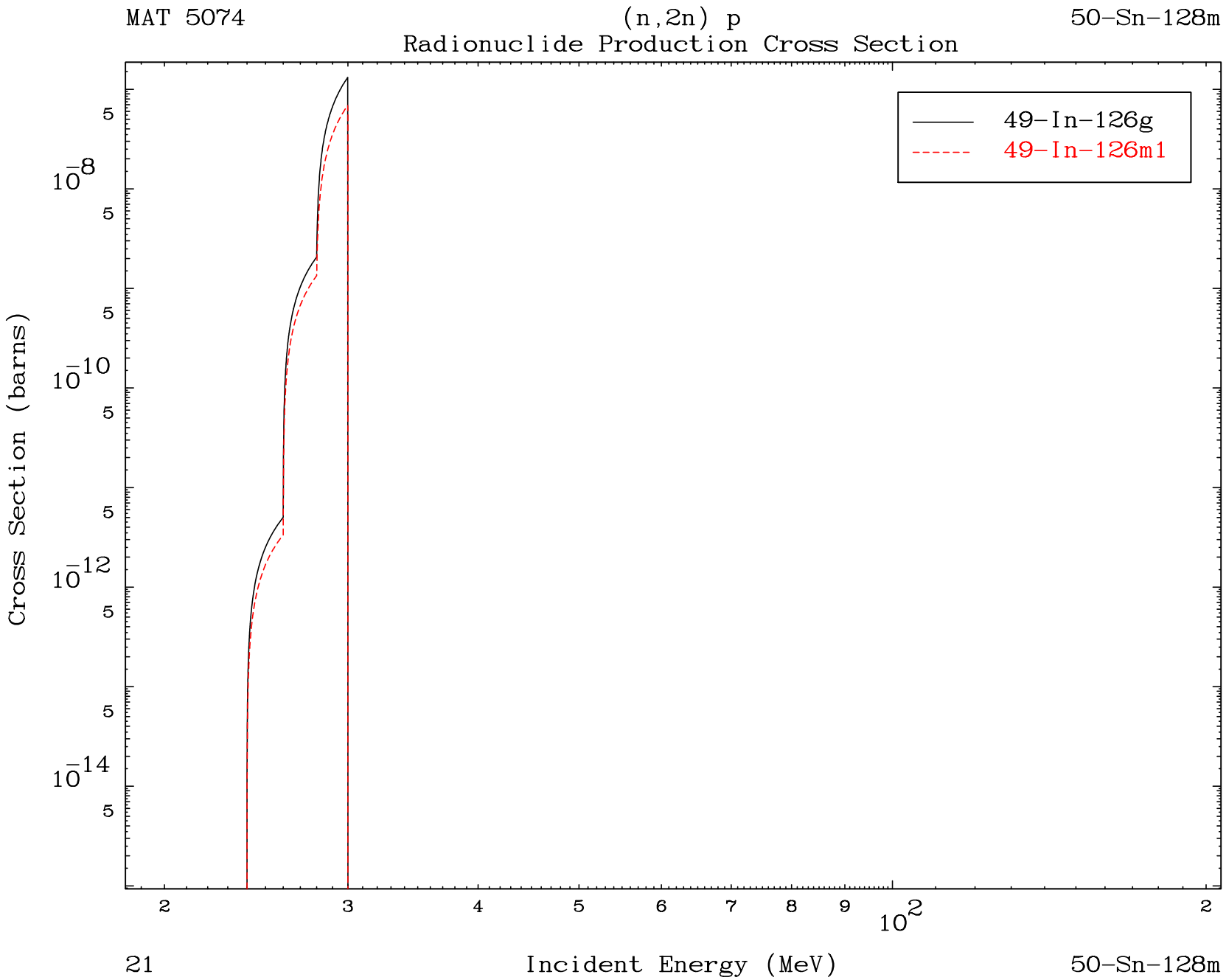

MAT 5074
(n,3n) α
50-Sn-128m
Radionuclide Production Cross Section
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
49-In-122g
49-In-122m1
49-In-122m5
16
Incident Energy (MeV)
50-Sn-128m

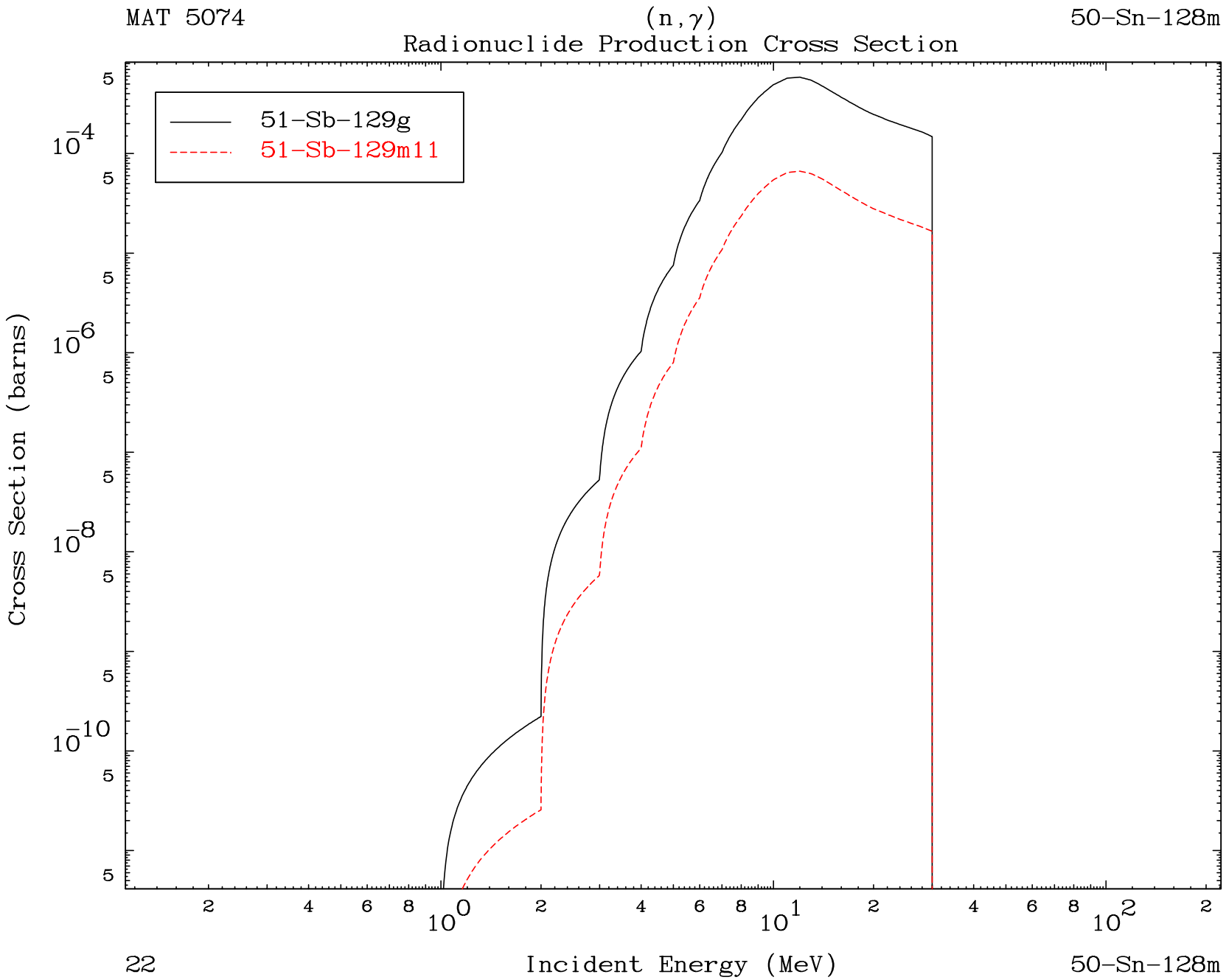

MAT 5074
(n,n') p
50-Sn-128m
Radionuclide Production Cross Section
50-Sn-127g
50-Sn-127m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
17
Incident Energy (MeV)
50-Sn-128m

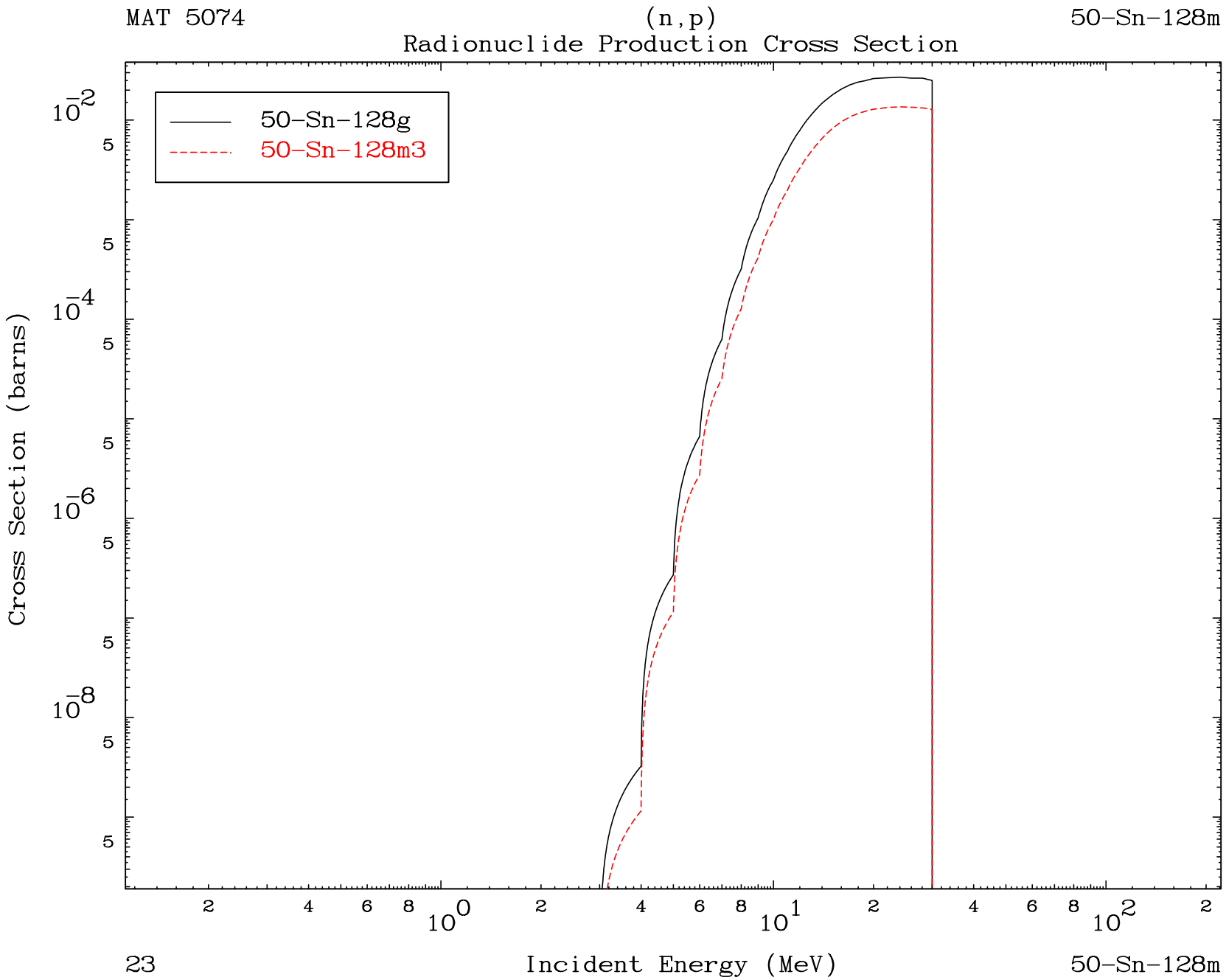

MAT 5074
(n,n') t
50-Sn-128m
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
50-Sn-128m


MAT 5074
(n,n') He-3
50-Sn-128m
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
6
7
8
9
10^2
19
Incident Energy (MeV)
50-Sn-128m


MAT 5074
(n,3n) p
50-Sn-128m
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
20
50-Sn-128m


MAT 5074
(n,2n) p
50-Sn-128m
Radionuclide Production Cross Section
49-In-126g
49-In-126m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
50-Sn-128m


MAT 5074
(n,γ)
50-Sn-128m
Radionuclide Production Cross Section
51-Sb-129g
51-Sb-129m11
Cross Section (barns)
Incident Energy (MeV)
22
50-Sn-128m


MAT 5074
(n,p)
50-Sn-128m
Radionuclide Production Cross Section
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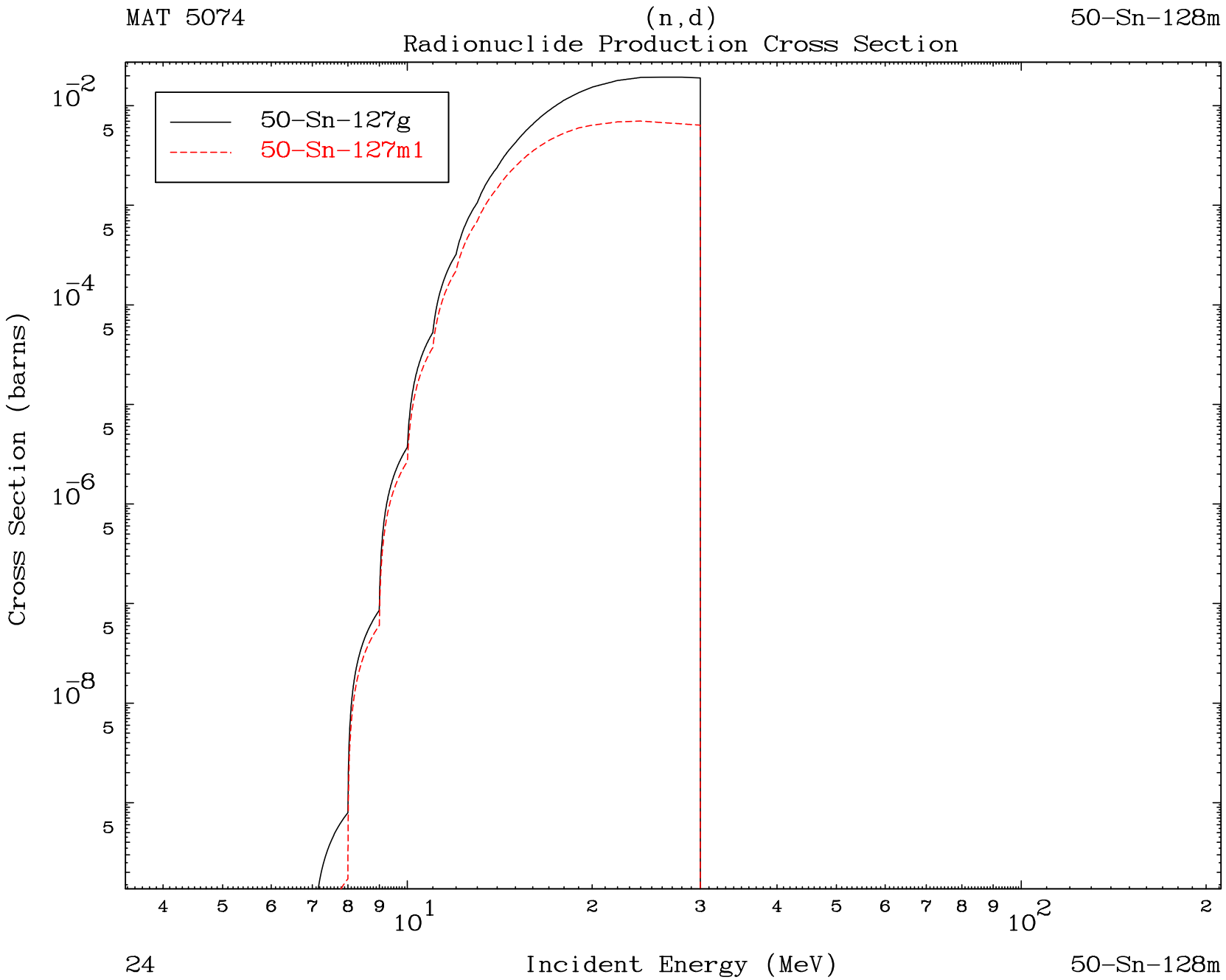
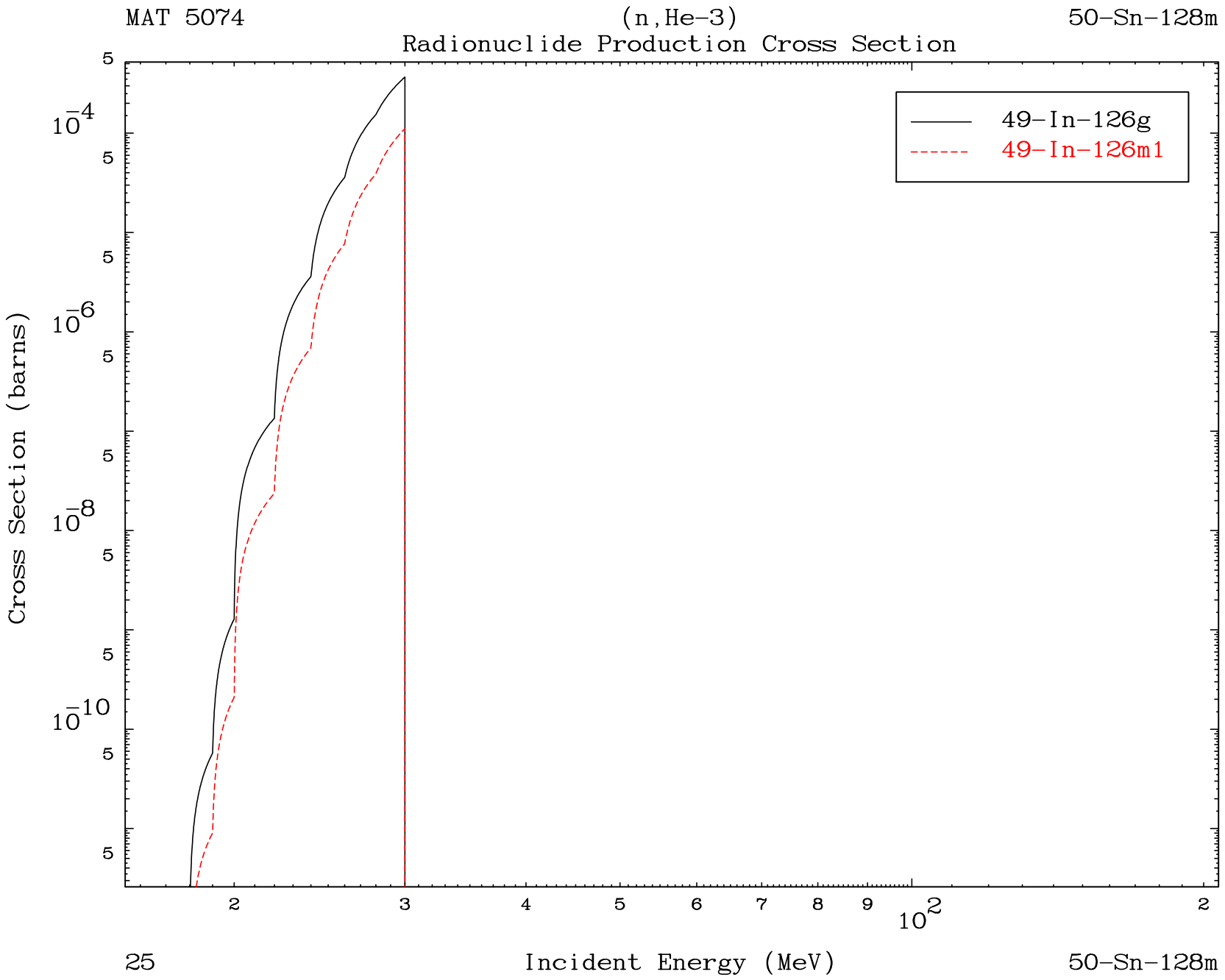
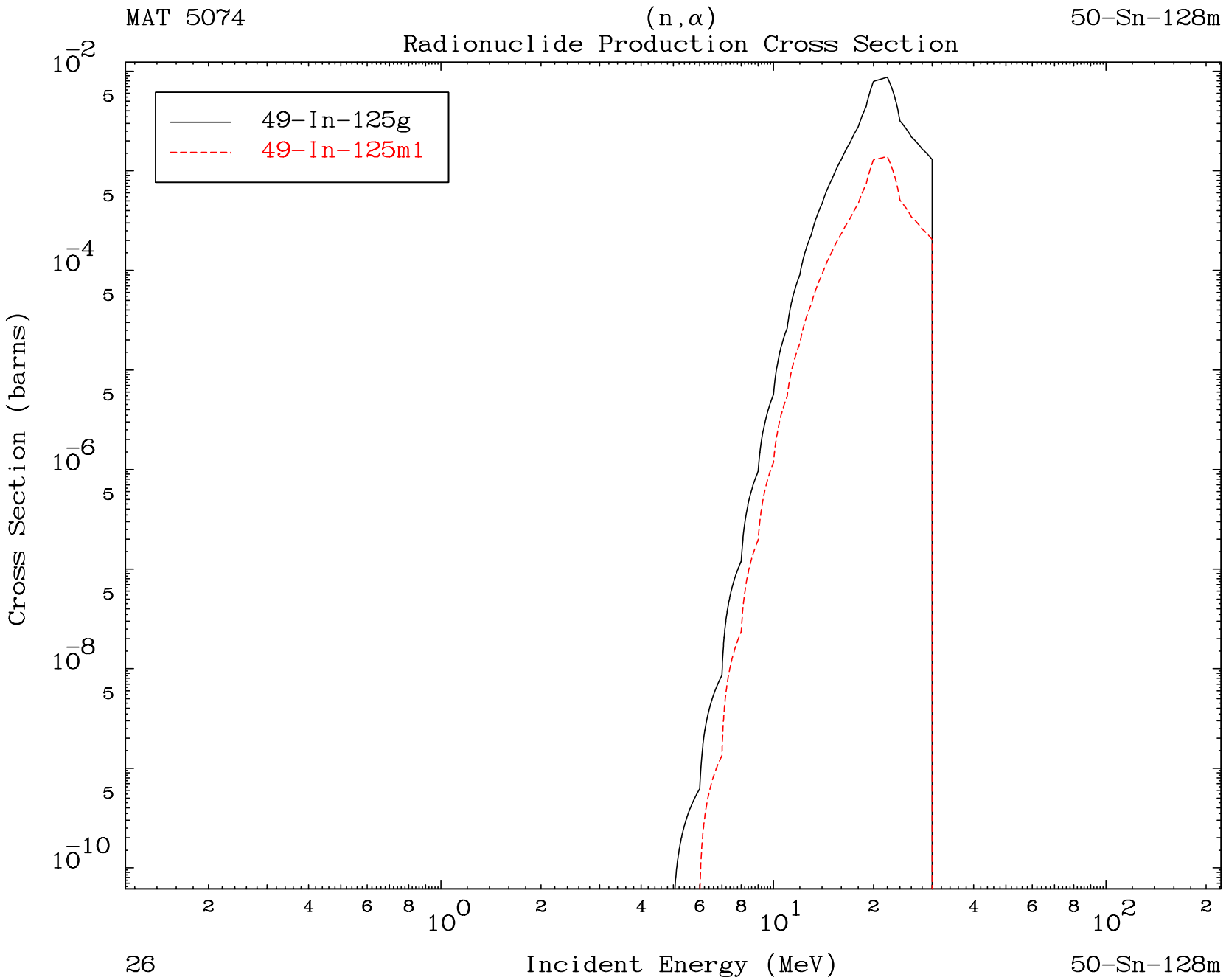
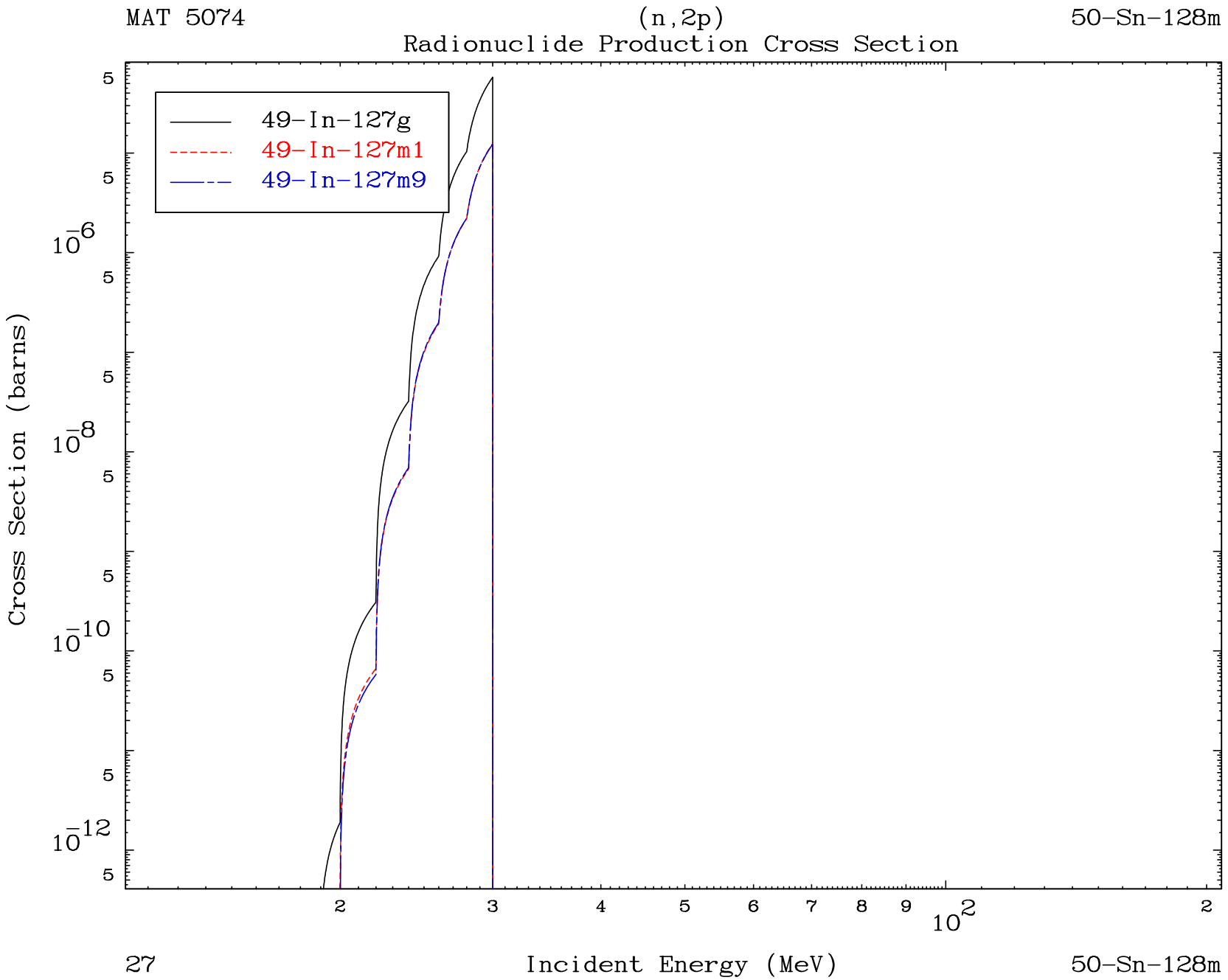
Cross Section (barns)
Incident Energy (MeV)
23
50-Sn-128m


MAT 5074
(n,d)
50-Sn-128m
Radionuclide Production Cross Section
50-Sn-127g
50-Sn-127m1
Cross Section (barns)
Incident Energy (MeV)
24
50-Sn-128m


MAT 5074
(n,He-3)
50-Sn-128m
Radionuclide Production Cross Section
49-In-126g
49-In-126m1
Cross Section (barns)
Incident Energy (MeV)
25
50-Sn-128m


MAT 5074
(n,α)
50-Sn-128m
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
Incident Energy (MeV)
26
50-Sn-128m


MAT 5074
(n,2p)
50-Sn-128m
Radionuclide Production Cross Section
49-In-127g
49-In-127m1
49-In-127m9
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
27
Incident Energy (MeV)
50-Sn-128m