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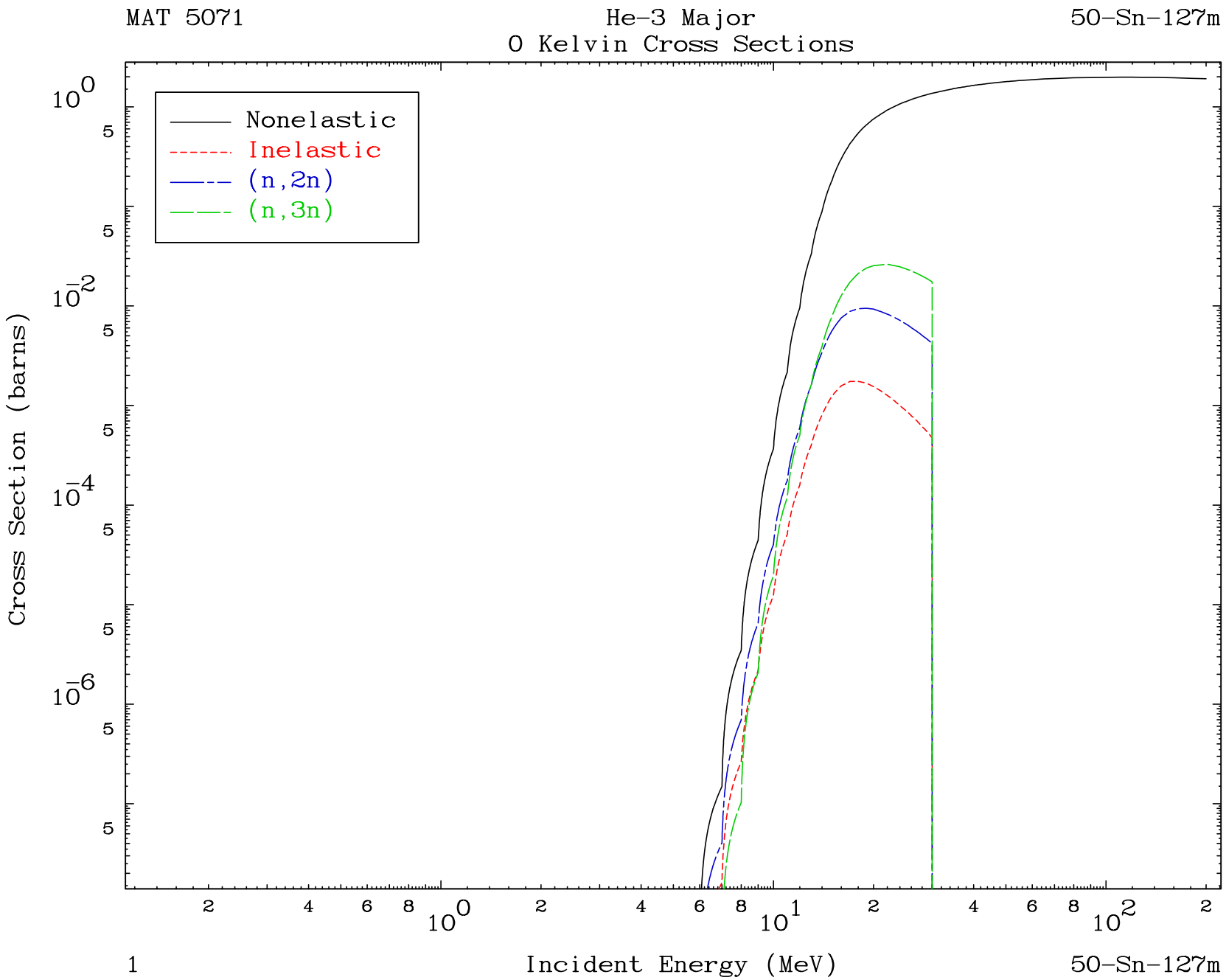
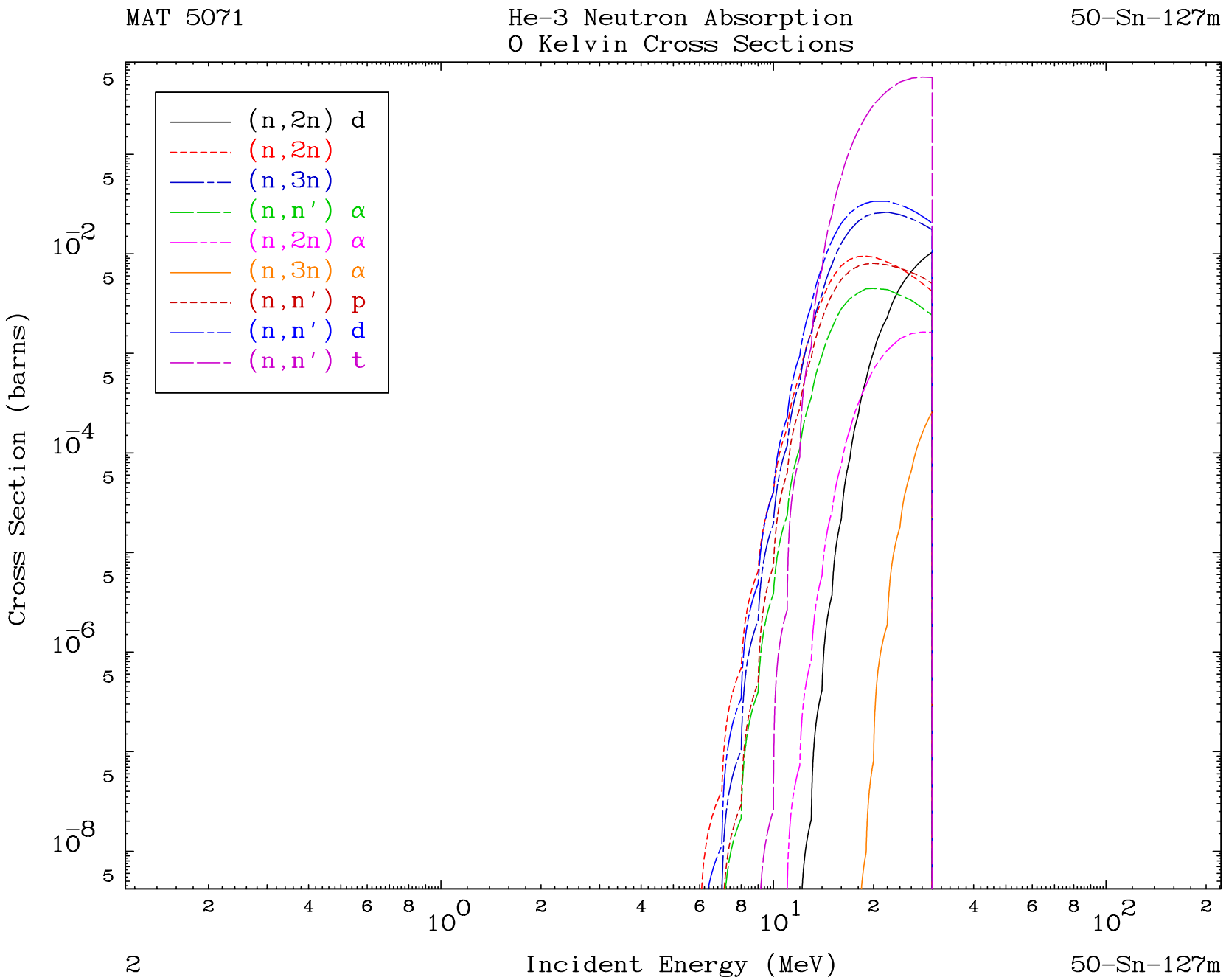
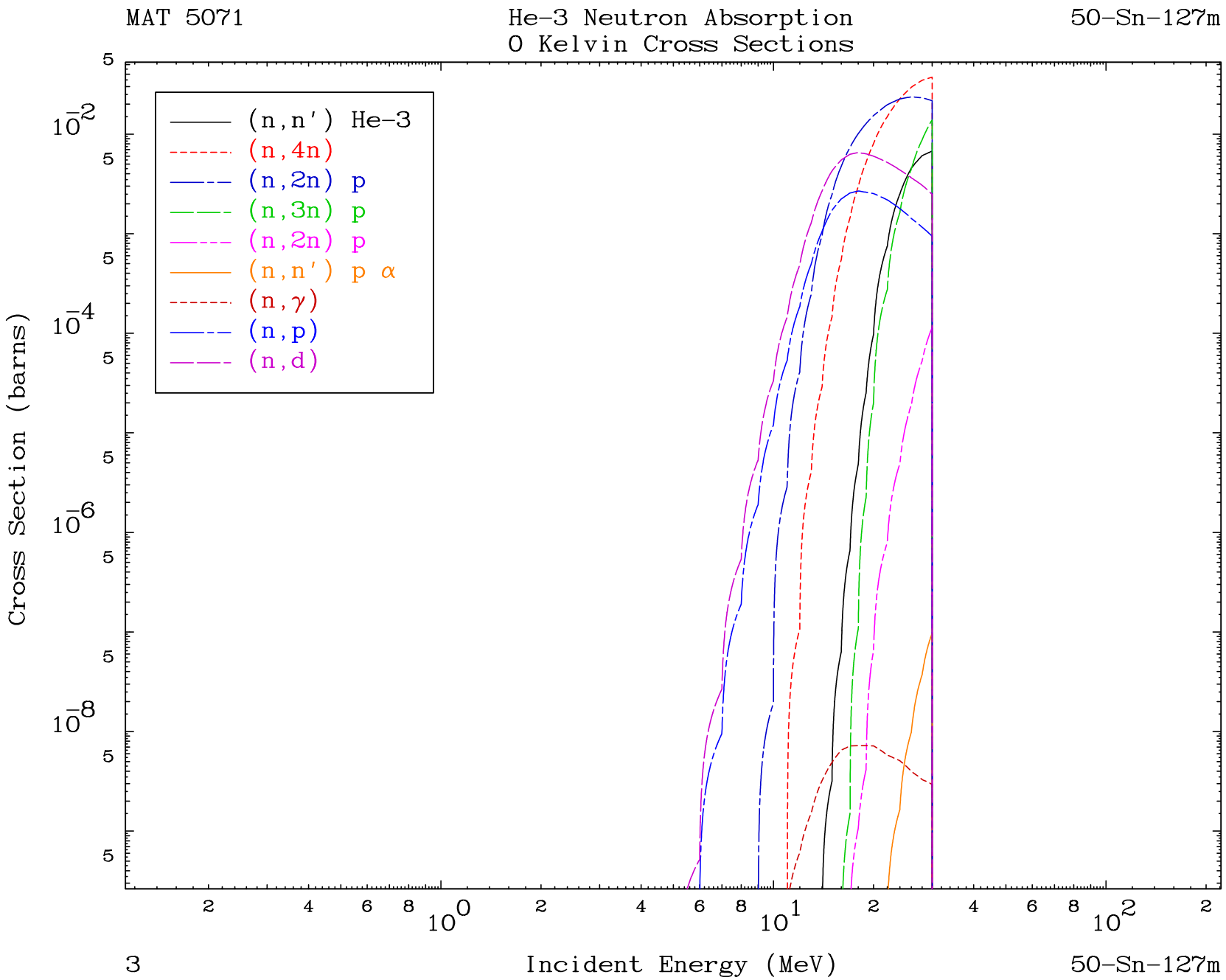
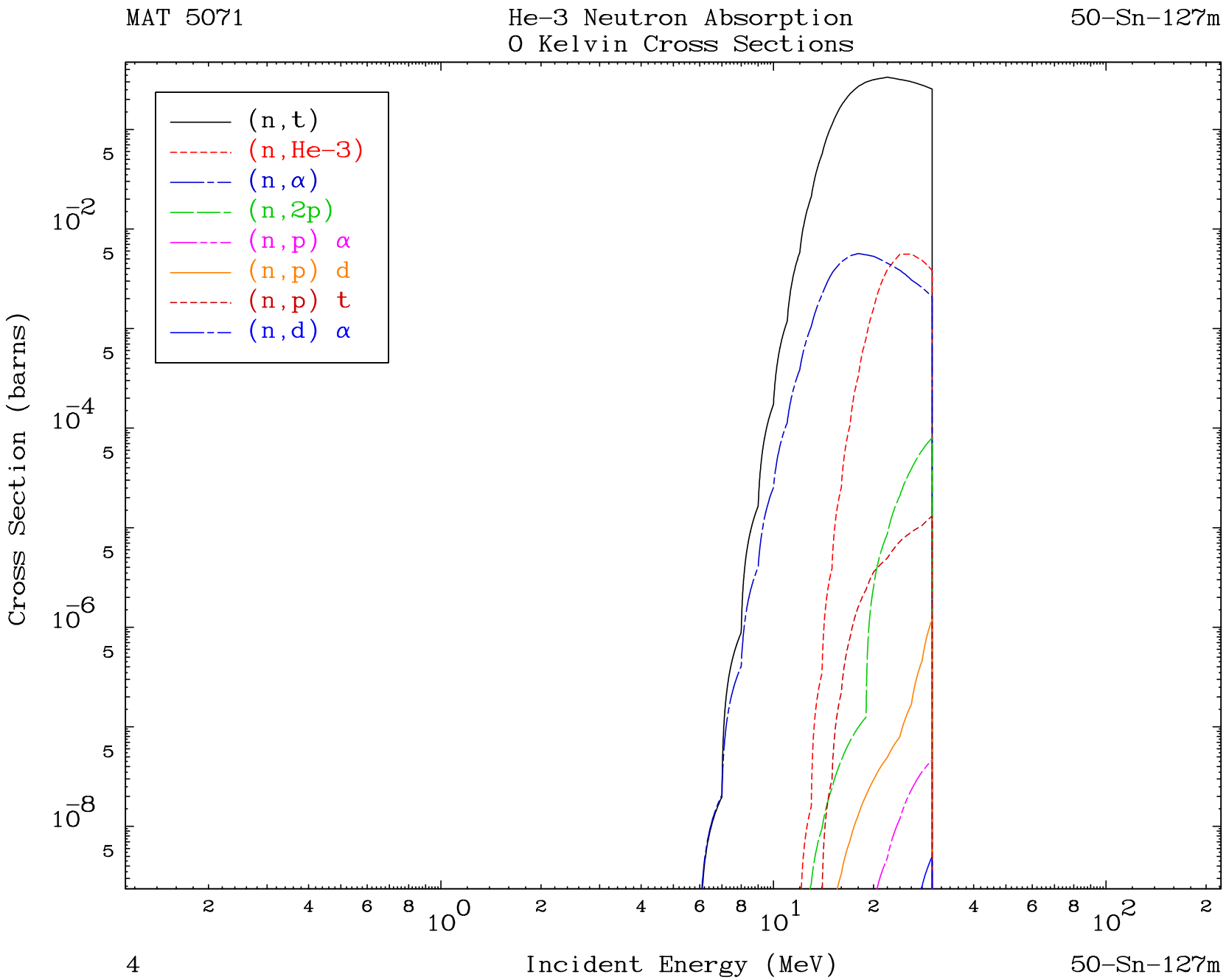
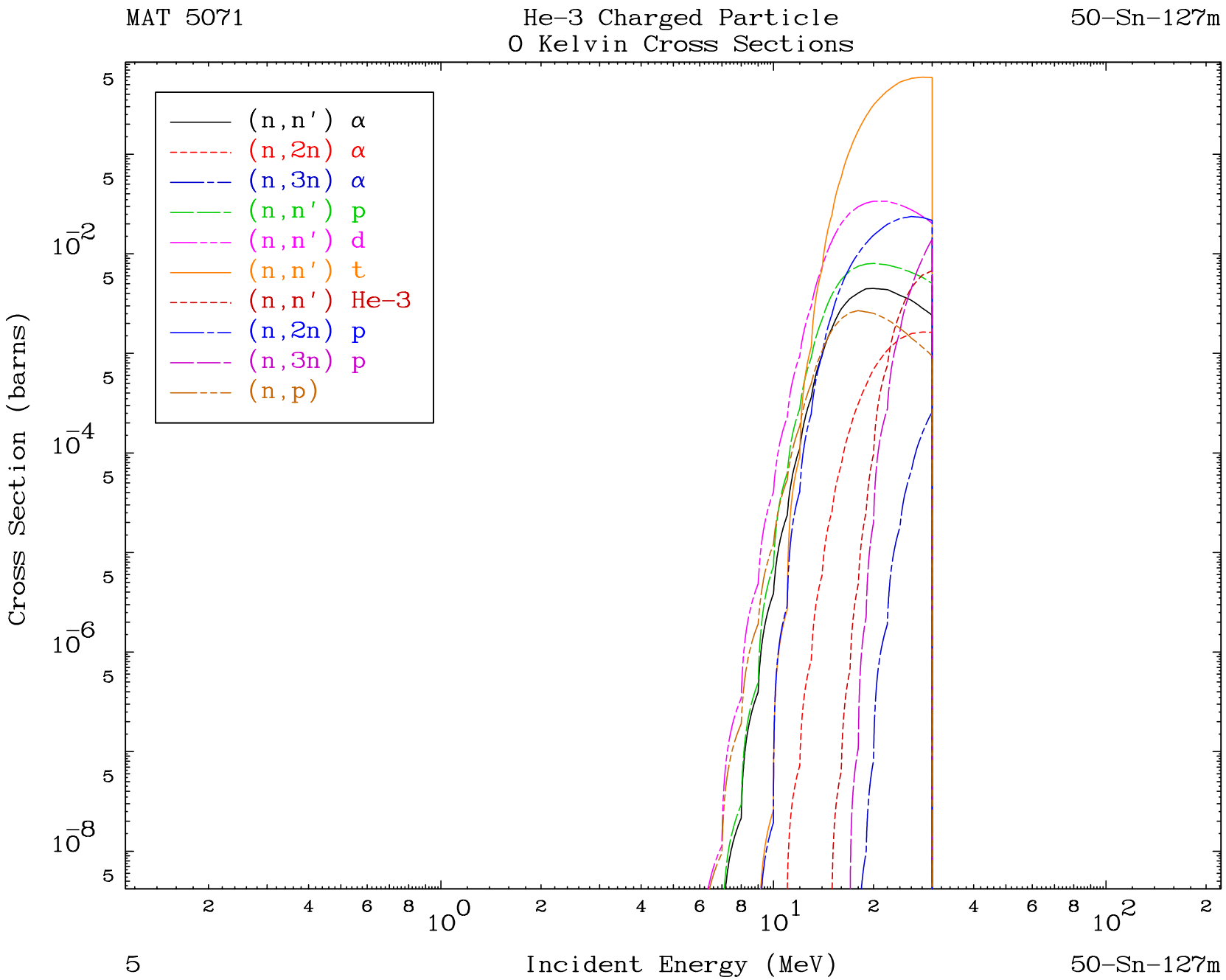
Press Mouse Button to Start

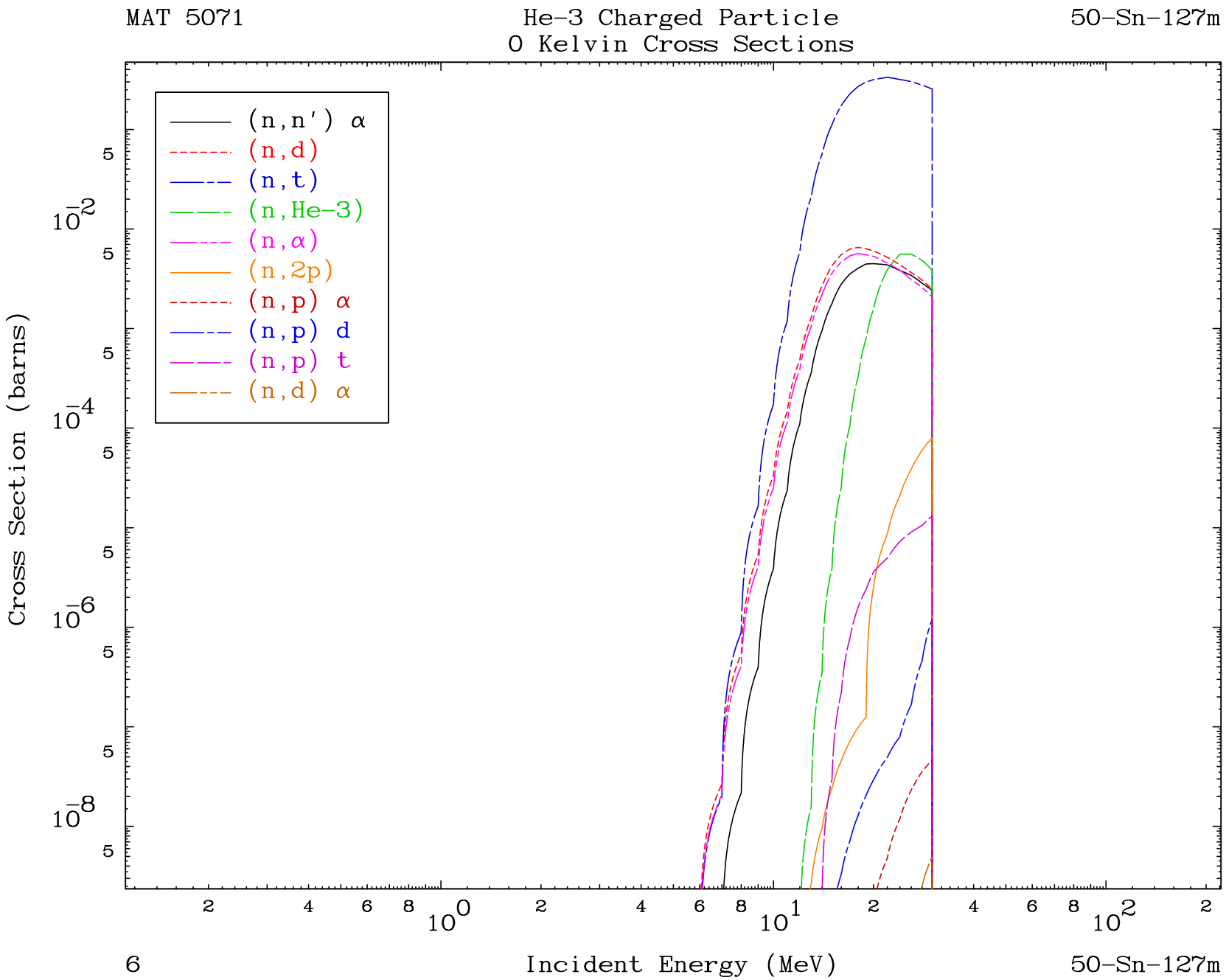

MAT 5071
He-3 Major
50-Sn-127m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
Cross Section (barns)
Incident Energy (MeV)
1
50-Sn-127m

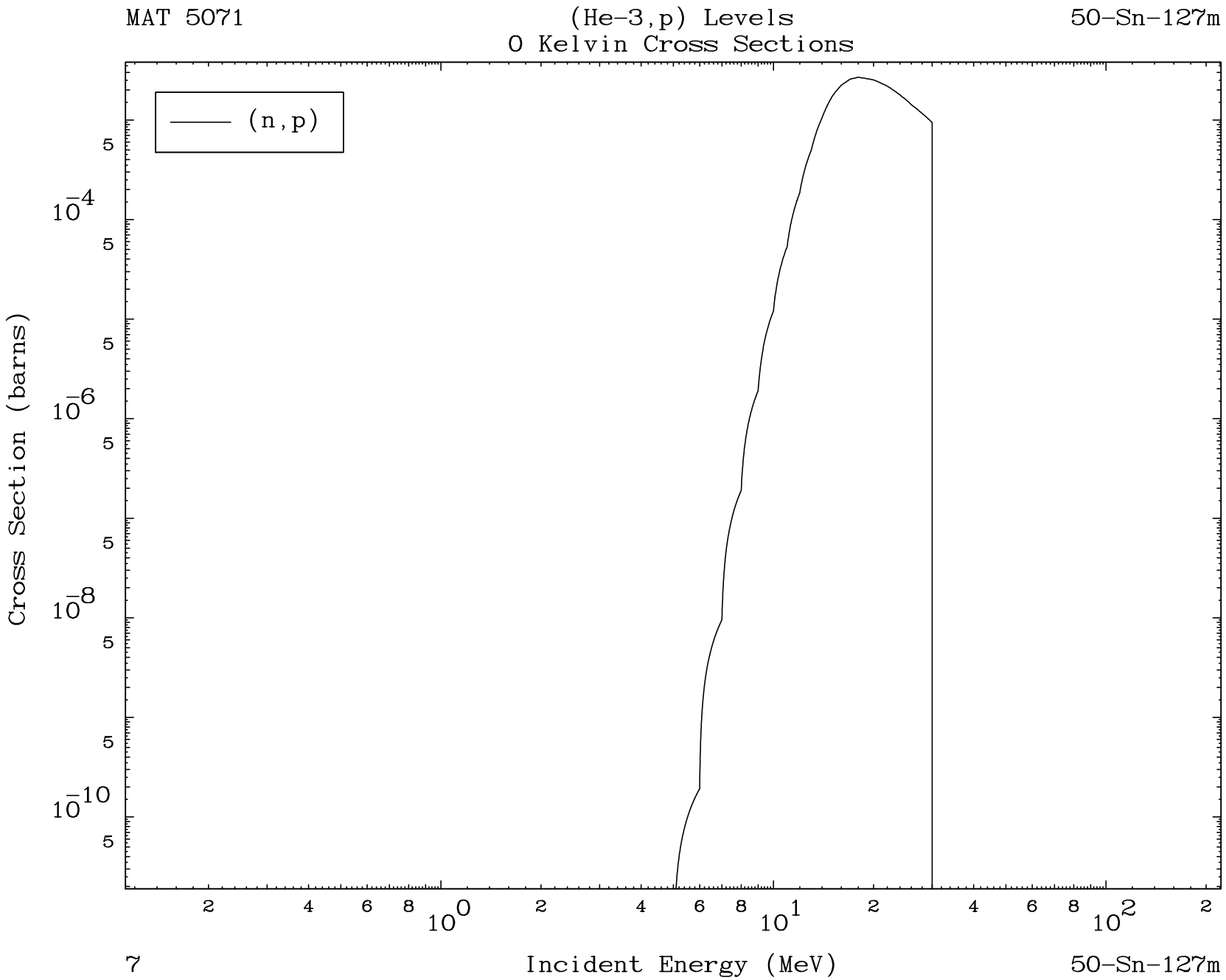

MAT 5071
He-3 Neutron Absorption
0 Kelvin Cross Sections
50-Sn-127m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
50-Sn-127m
2

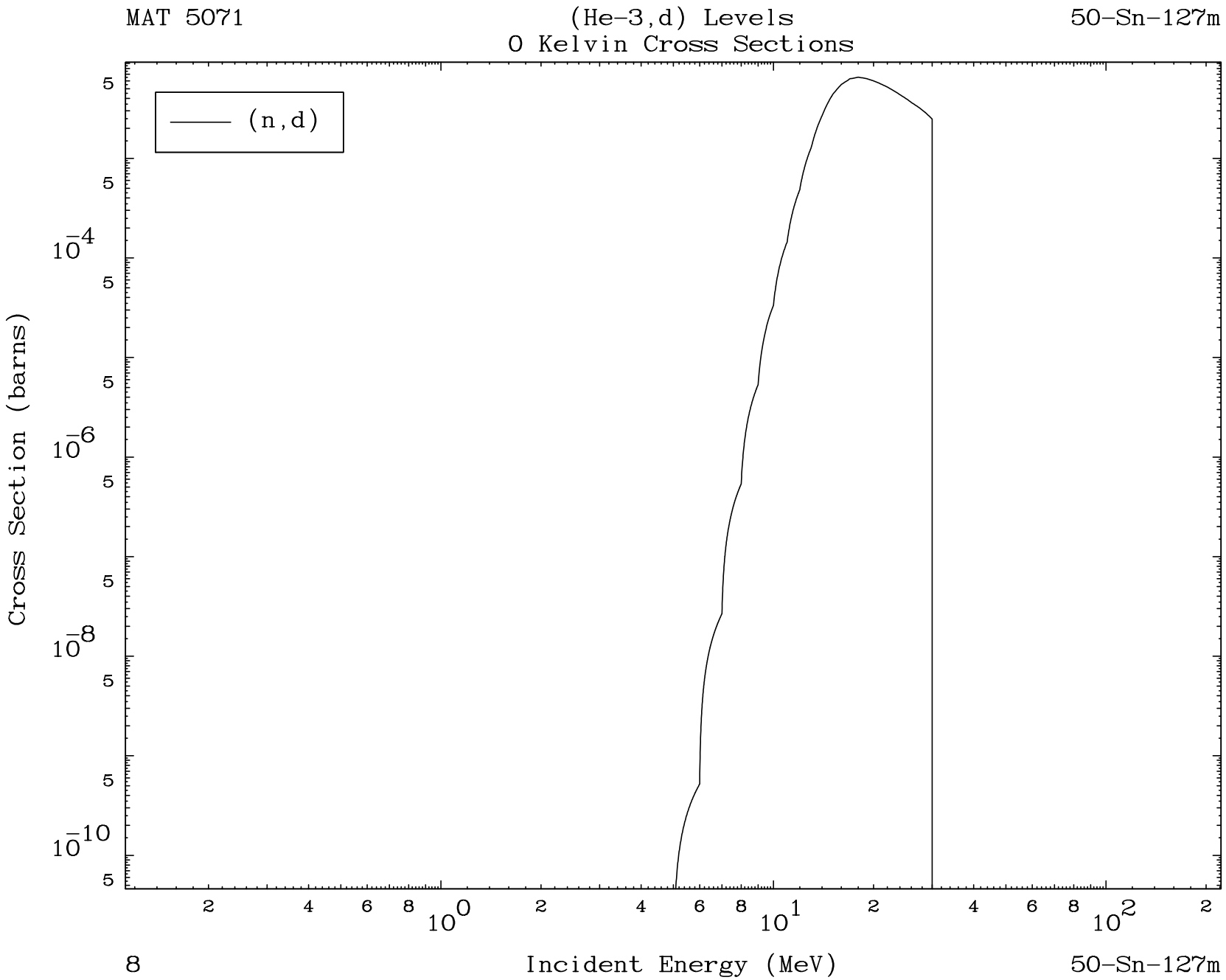

MAT 5071
He-3 Neutron Absorption
0 Kelvin Cross Sections
50-Sn-127m
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-127m

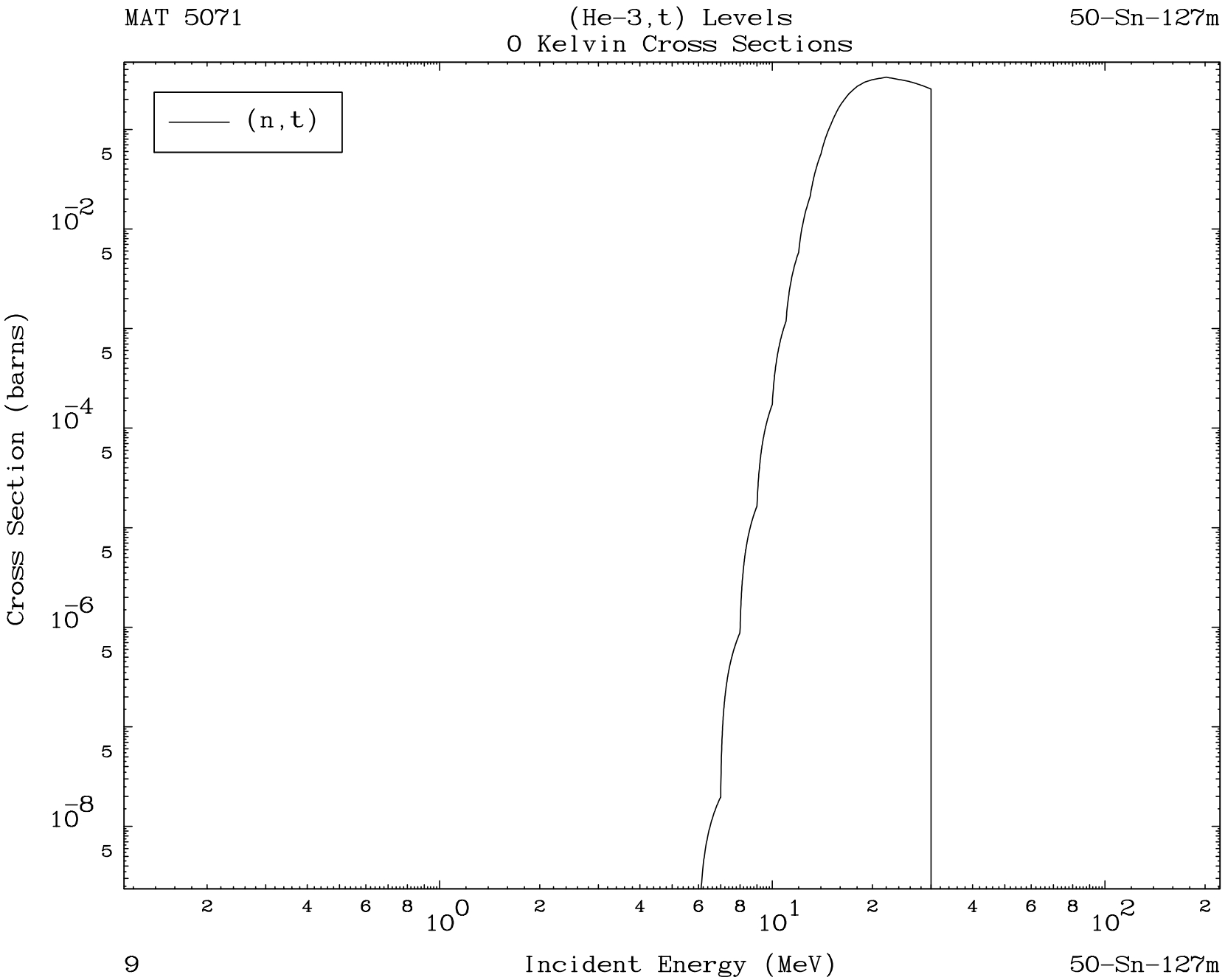

MAT 5071
He-3 Neutron Absorption
0 Kelvin Cross Sections
50-Sn-127m
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
50-Sn-127m

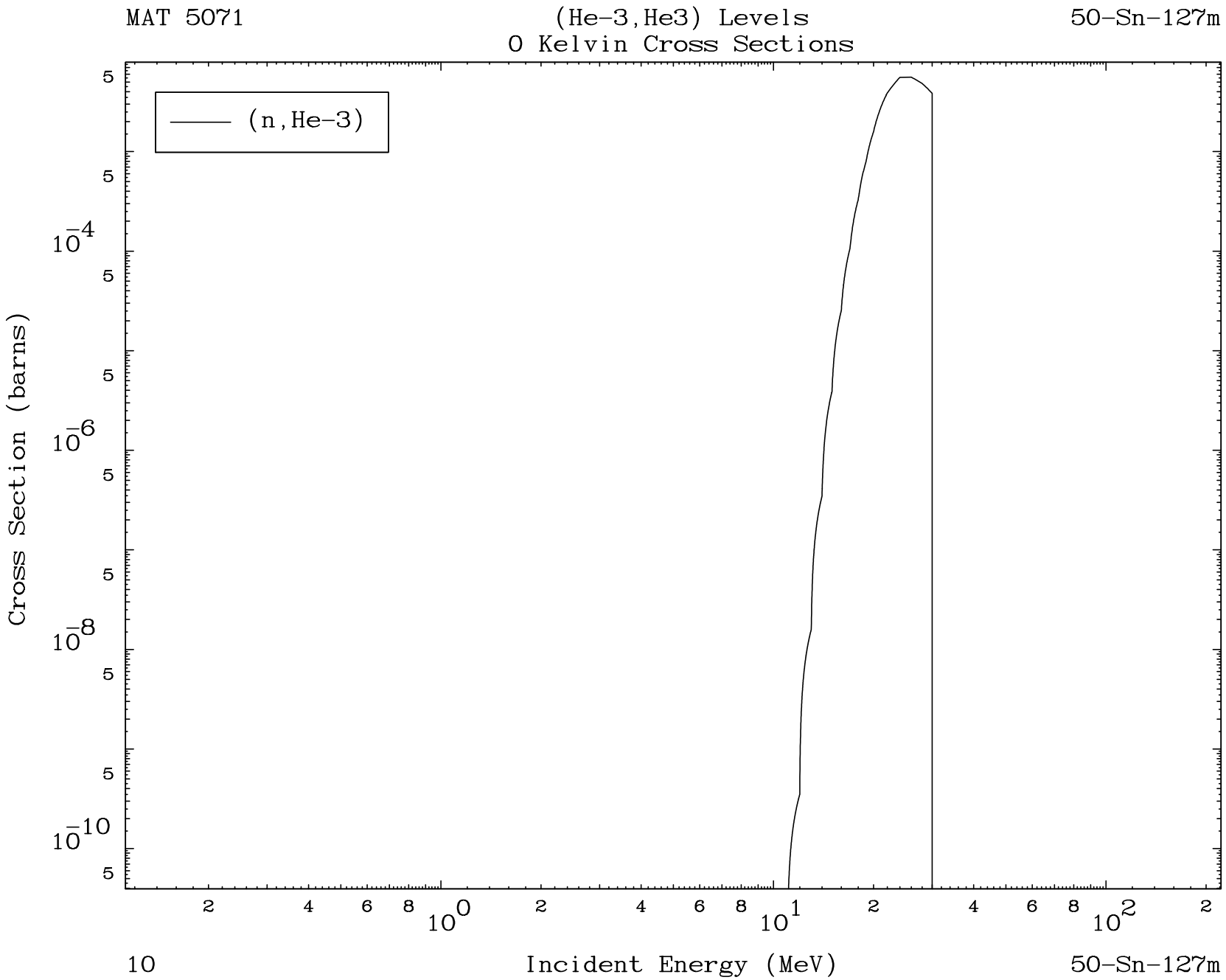

MAT 5071
He-3 Charged Particle
0 Kelvin Cross Sections
50-Sn-127m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-127m

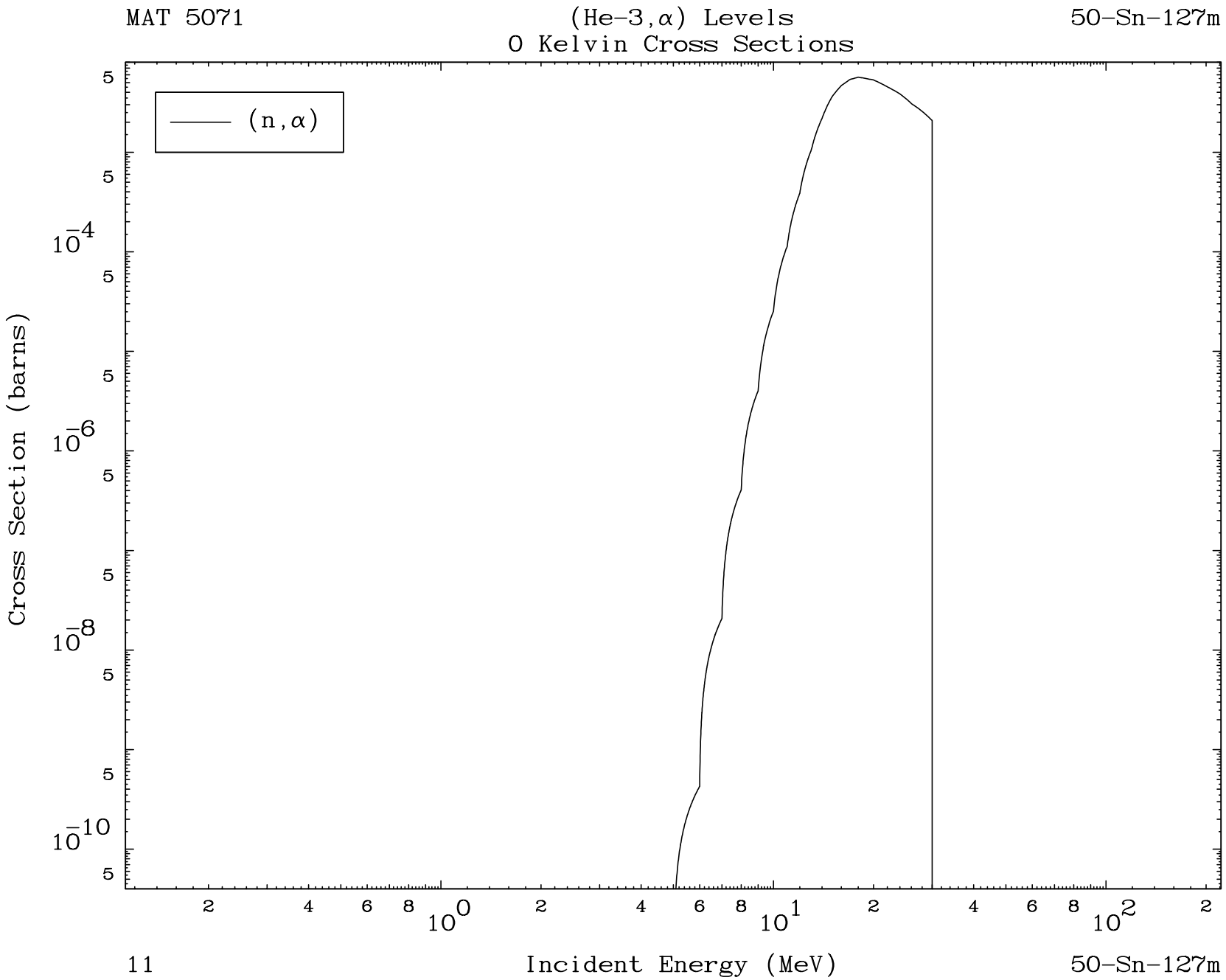

MAT 5071
He-3 Charged Particle
0 Kelvin Cross Sections
50-Sn-127m
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
50-Sn-127m

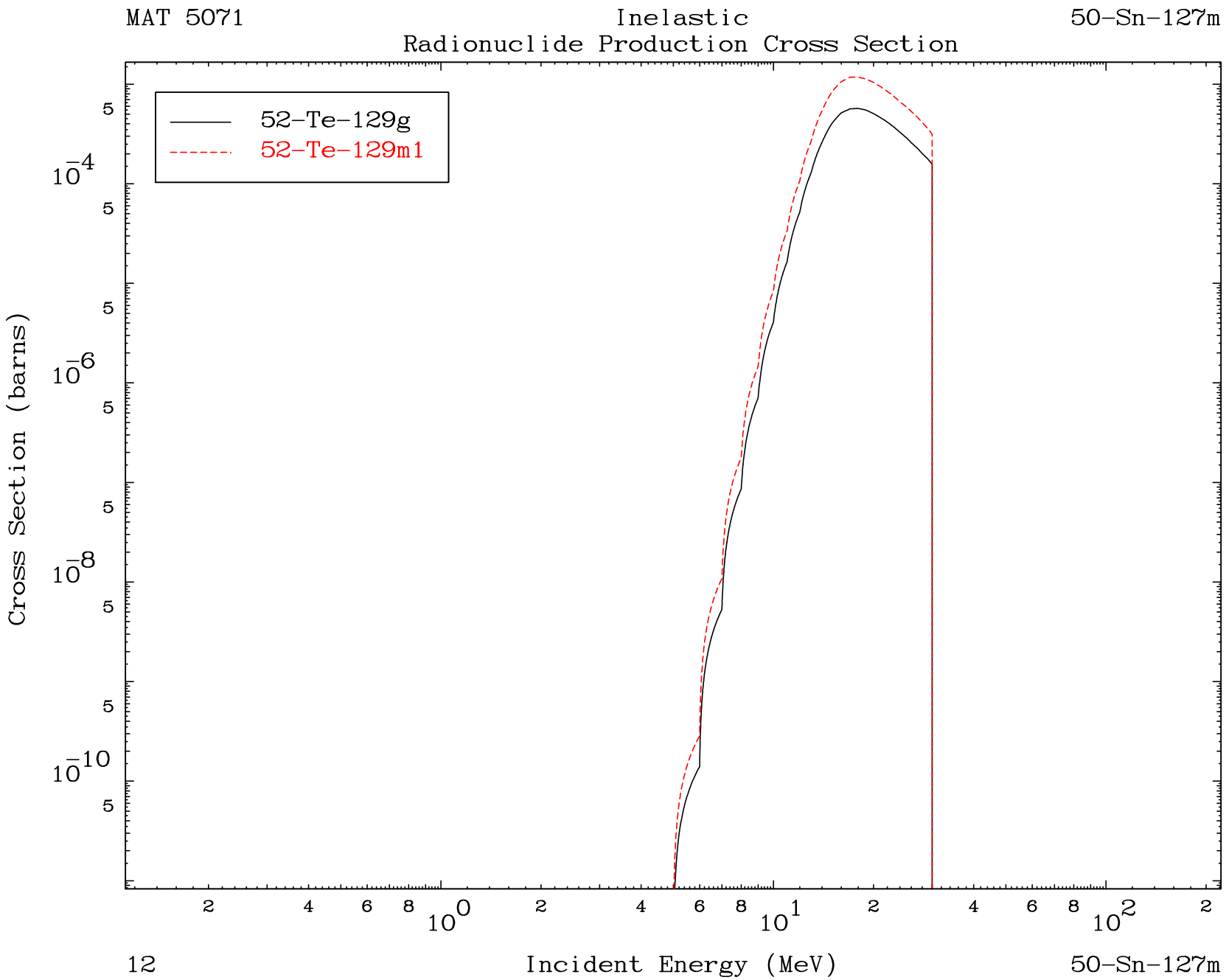

MAT 5071
(He-3,p) Levels
0 Kelvin Cross Sections
50-Sn-127m
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
4
6
8
100
101
102
Incident Energy (MeV)
7
50-Sn-127m

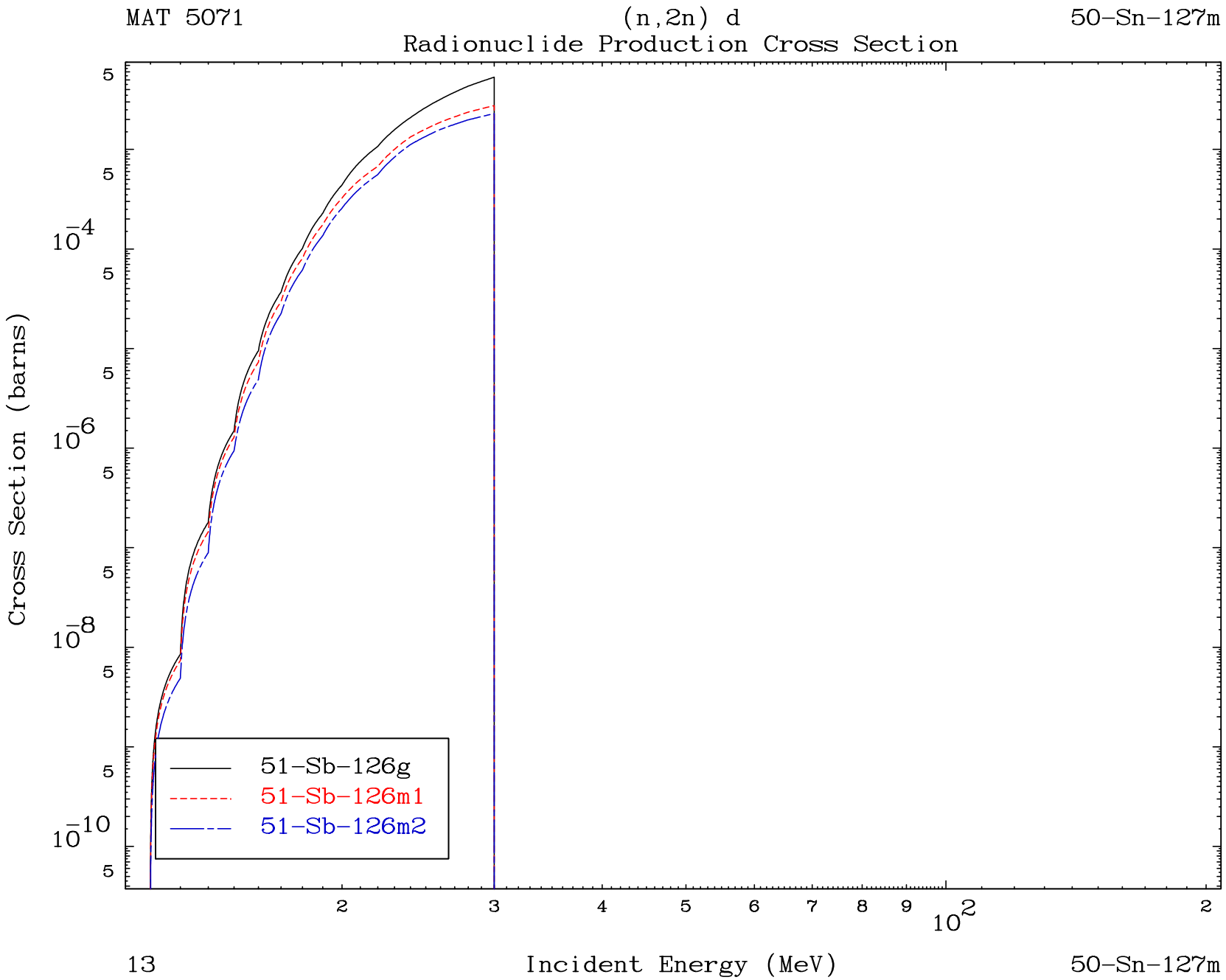

MAT 5071
(He-3,d) Levels
50-Sn-127m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
50-Sn-127m

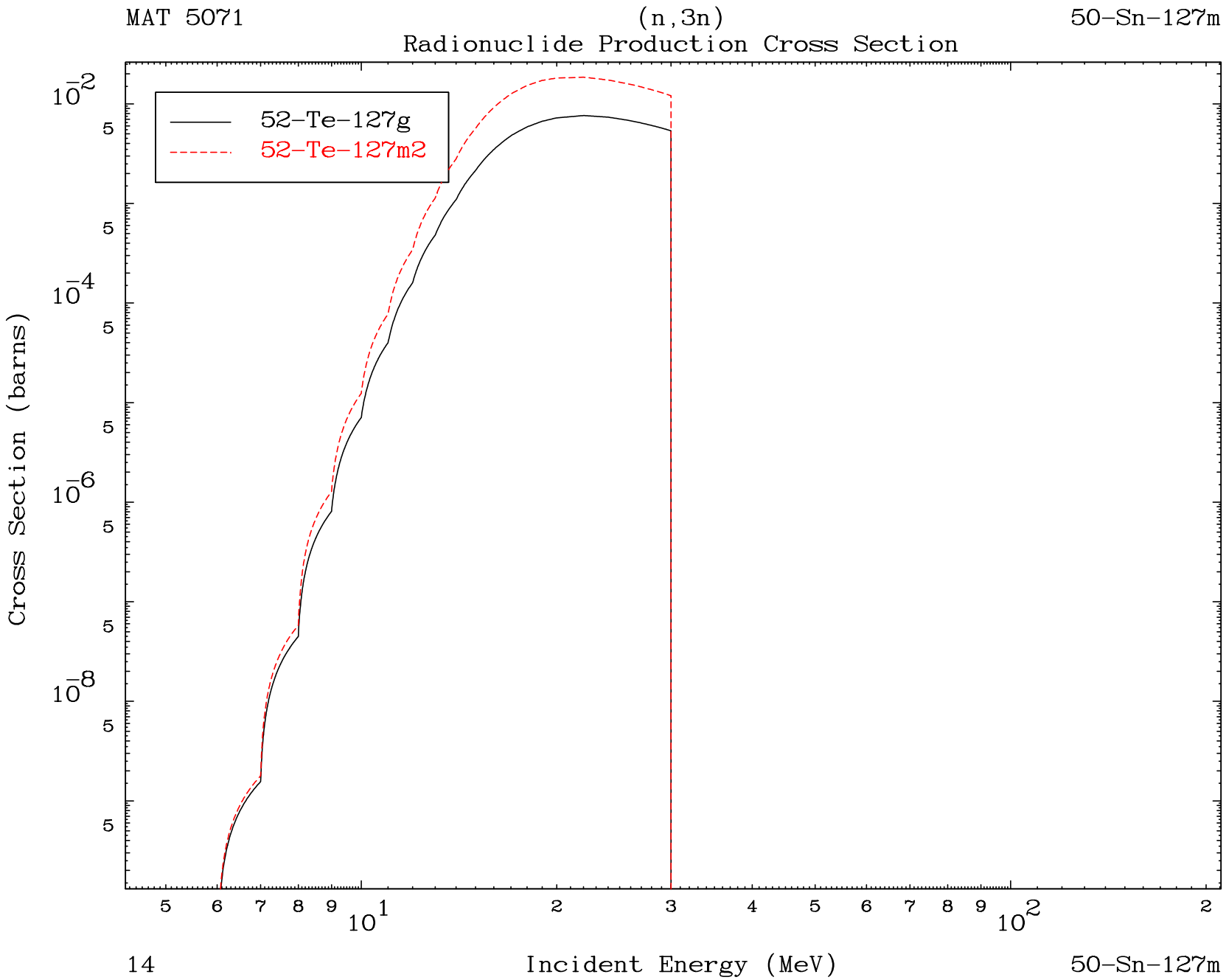

MAT 5071
(He-3,t) Levels
0 Kelvin Cross Sections
50-Sn-127m
(n,t)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
9
Incident Energy (MeV)
50-Sn-127m

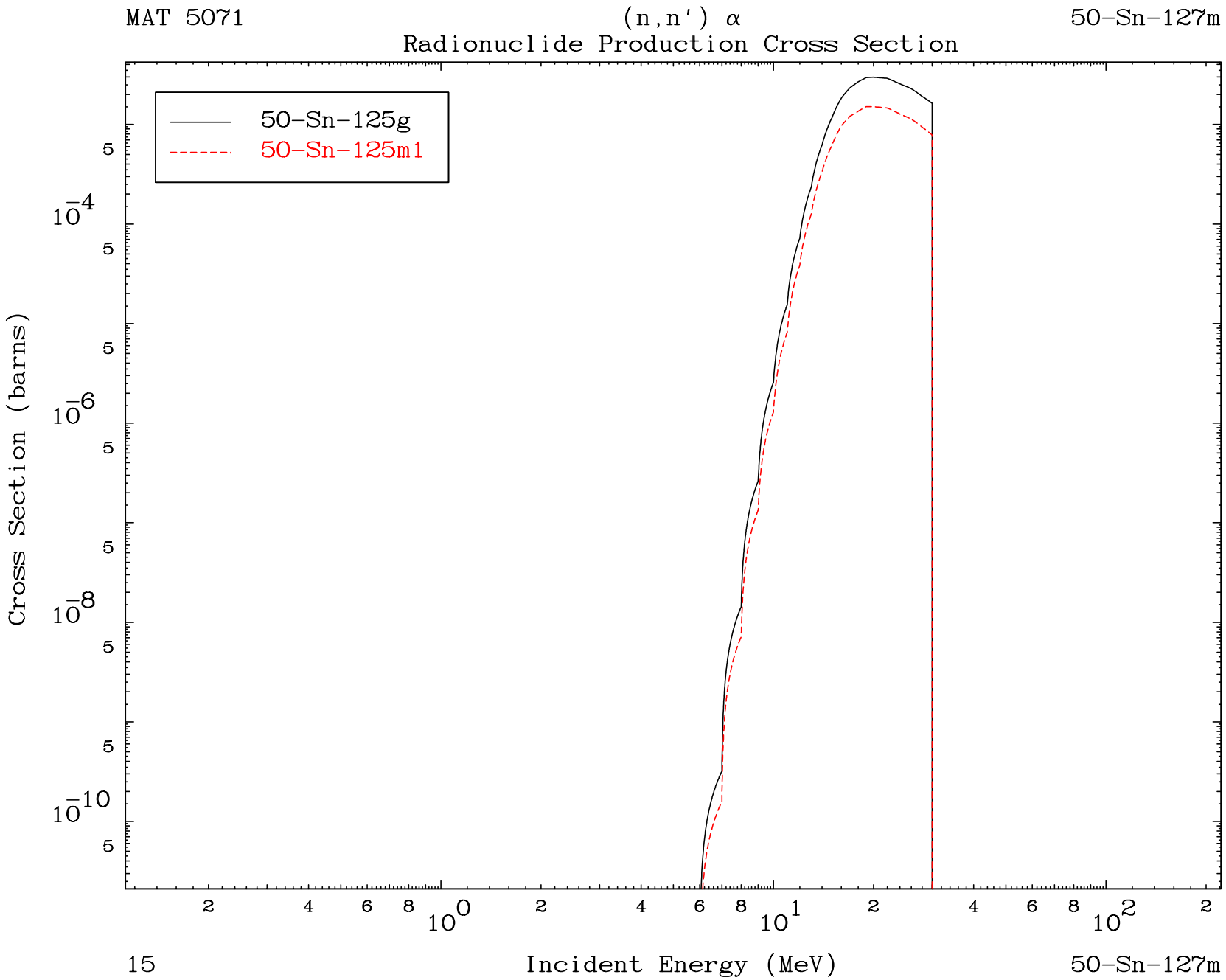

MAT 5071
(He-3,He3) Levels
50-Sn-127m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-127m

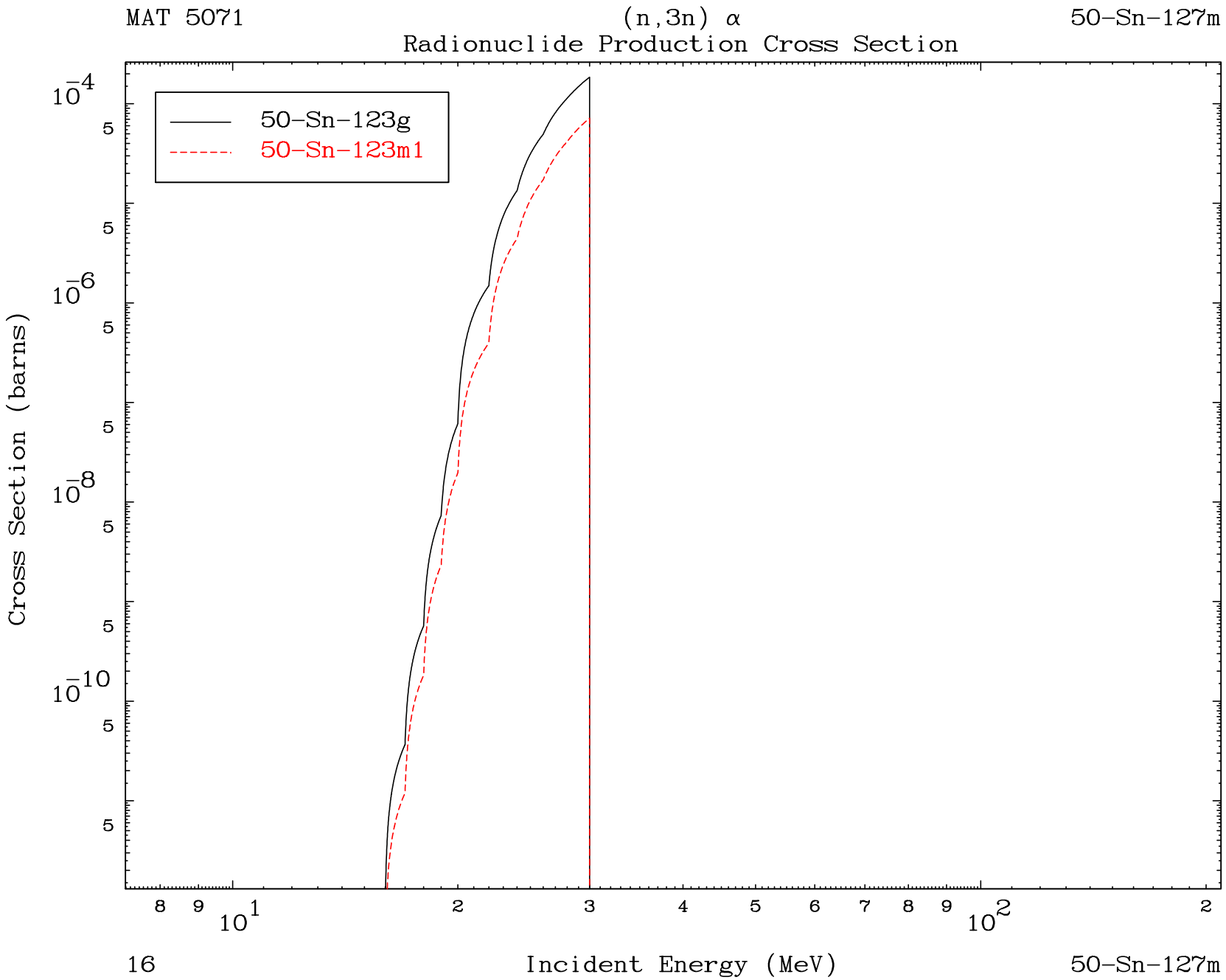

MAT 5071
(He-3,α) Levels
50-Sn-127m
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
50-Sn-127m

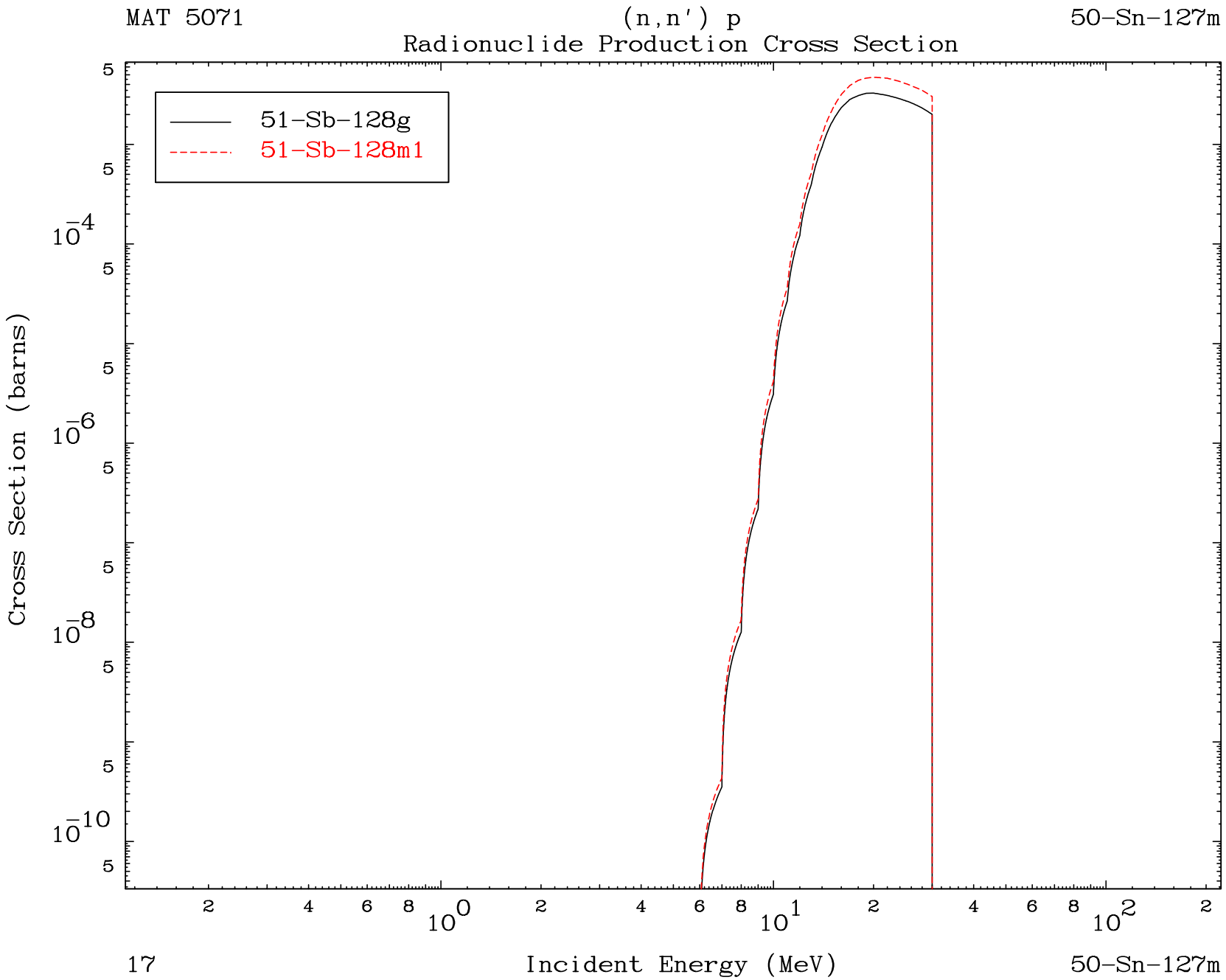

MAT 5071
Inelastic
50-Sn-127m
Radionuclide Production Cross Section
52-Te-129g
52-Te-129m1
Cross Section (barns)
Incident Energy (MeV)
12
50-Sn-127m

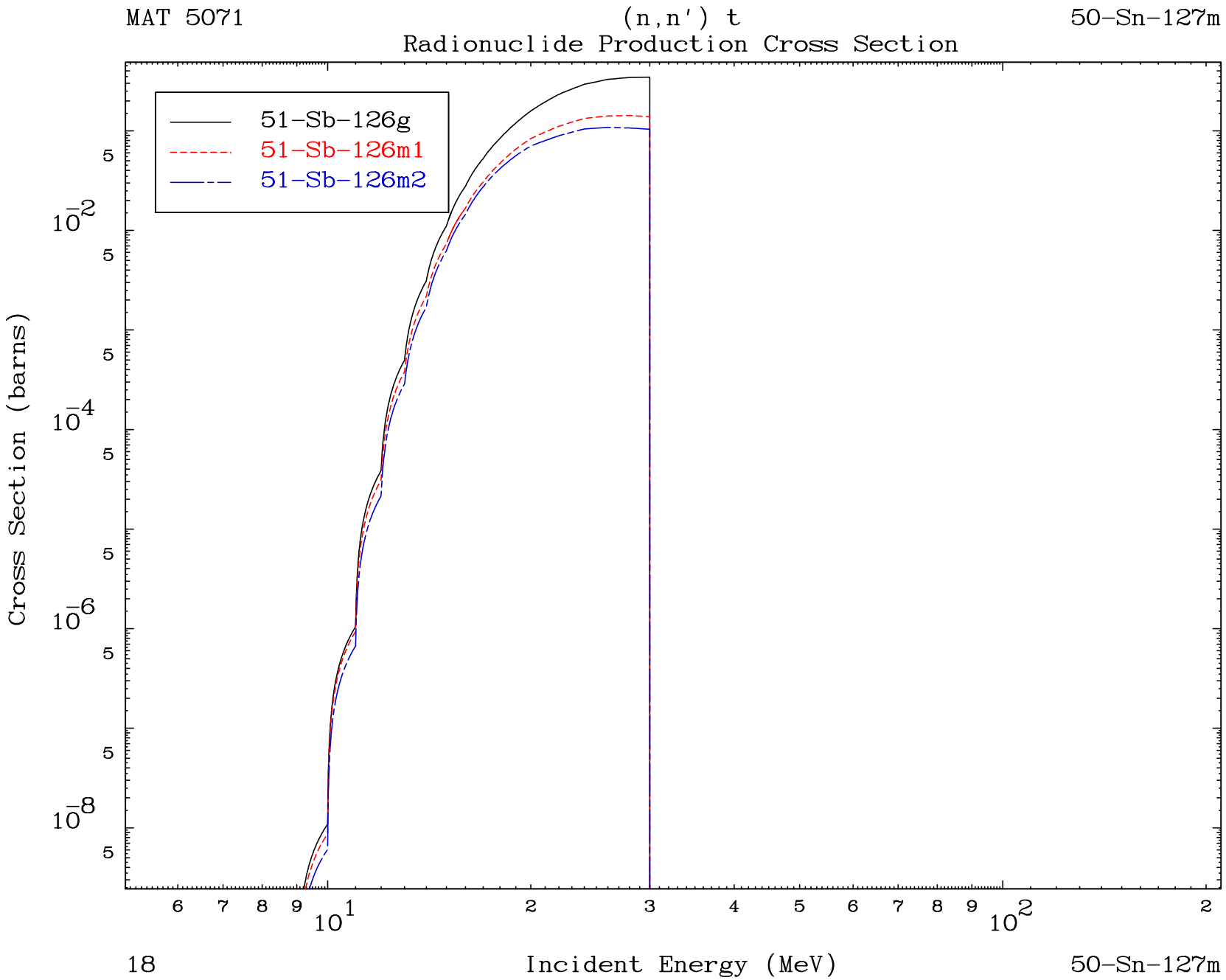

MAT 5071
(n,2n) d
50-Sn-127m
Radionuclide Production Cross Section
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
6
7
8
9
10^2
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
13
Incident Energy (MeV)
50-Sn-127m

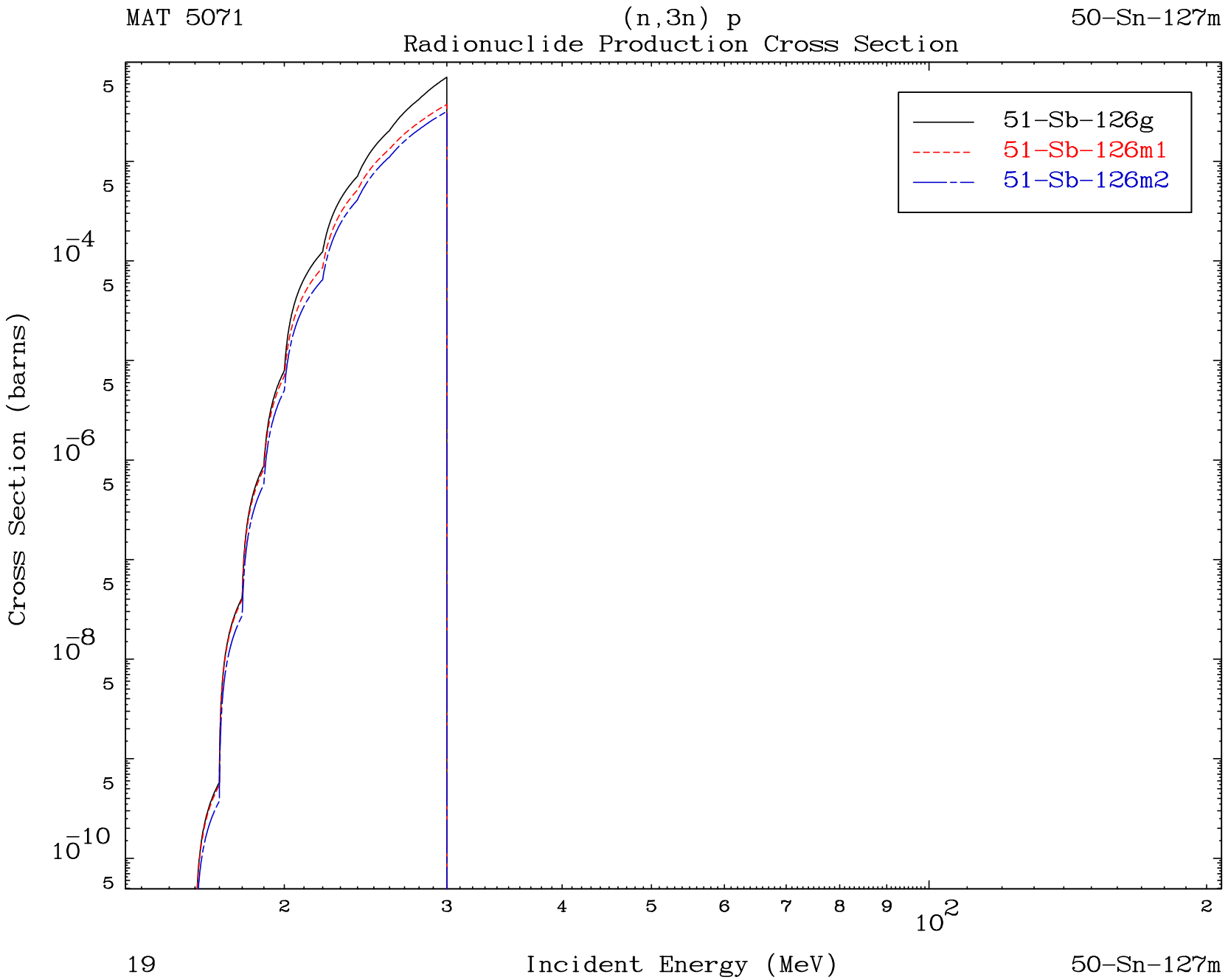

MAT 5071
(n,3n)
50-Sn-127m
Radionuclide Production Cross Section
52-Te-127g
52-Te-127m2
Cross Section (barns)
Incident Energy (MeV)
14
50-Sn-127m

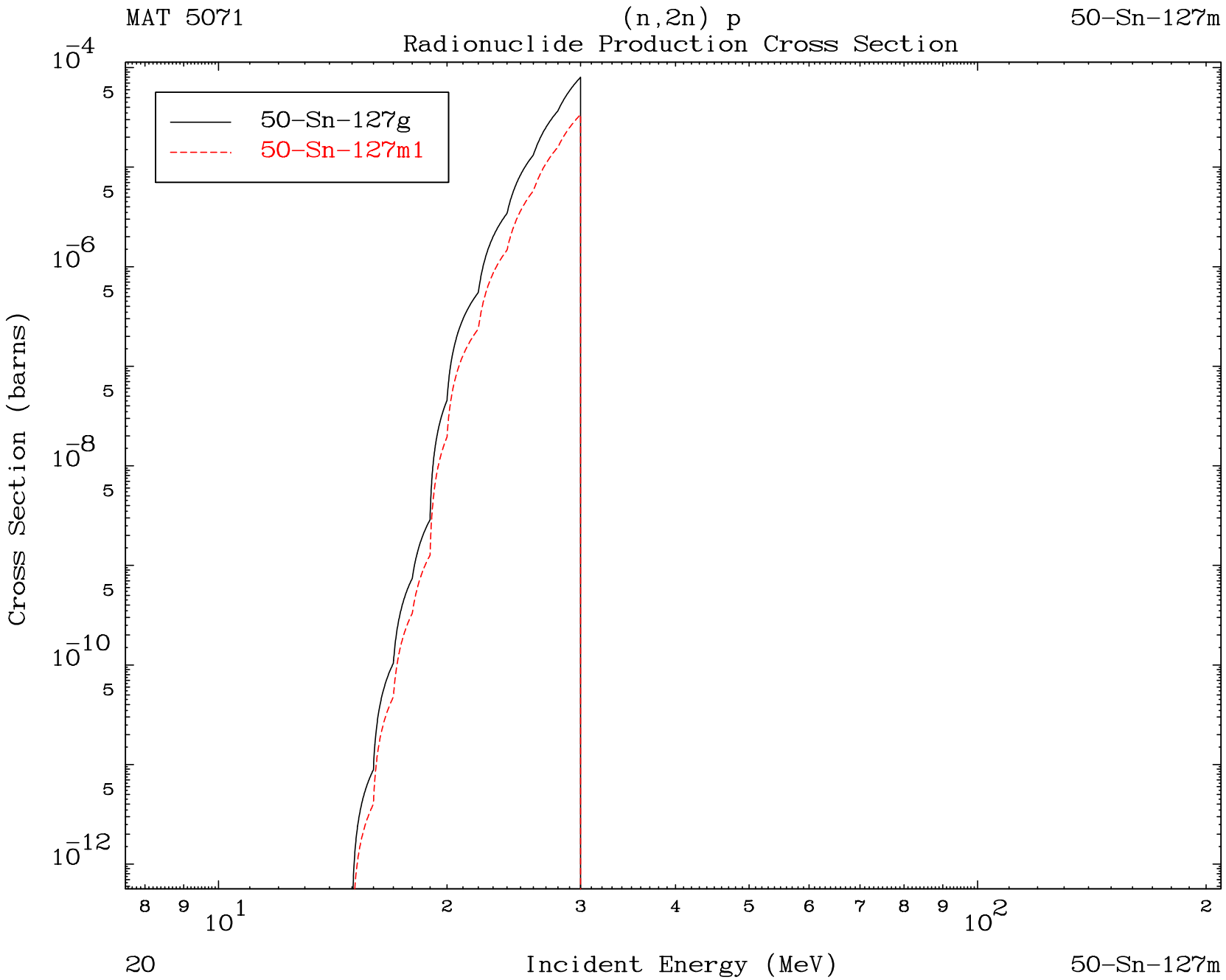

MAT 5071
(n,n') α
50-Sn-127m
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
4
6
8
100
101
102
15
Incident Energy (MeV)
50-Sn-127m

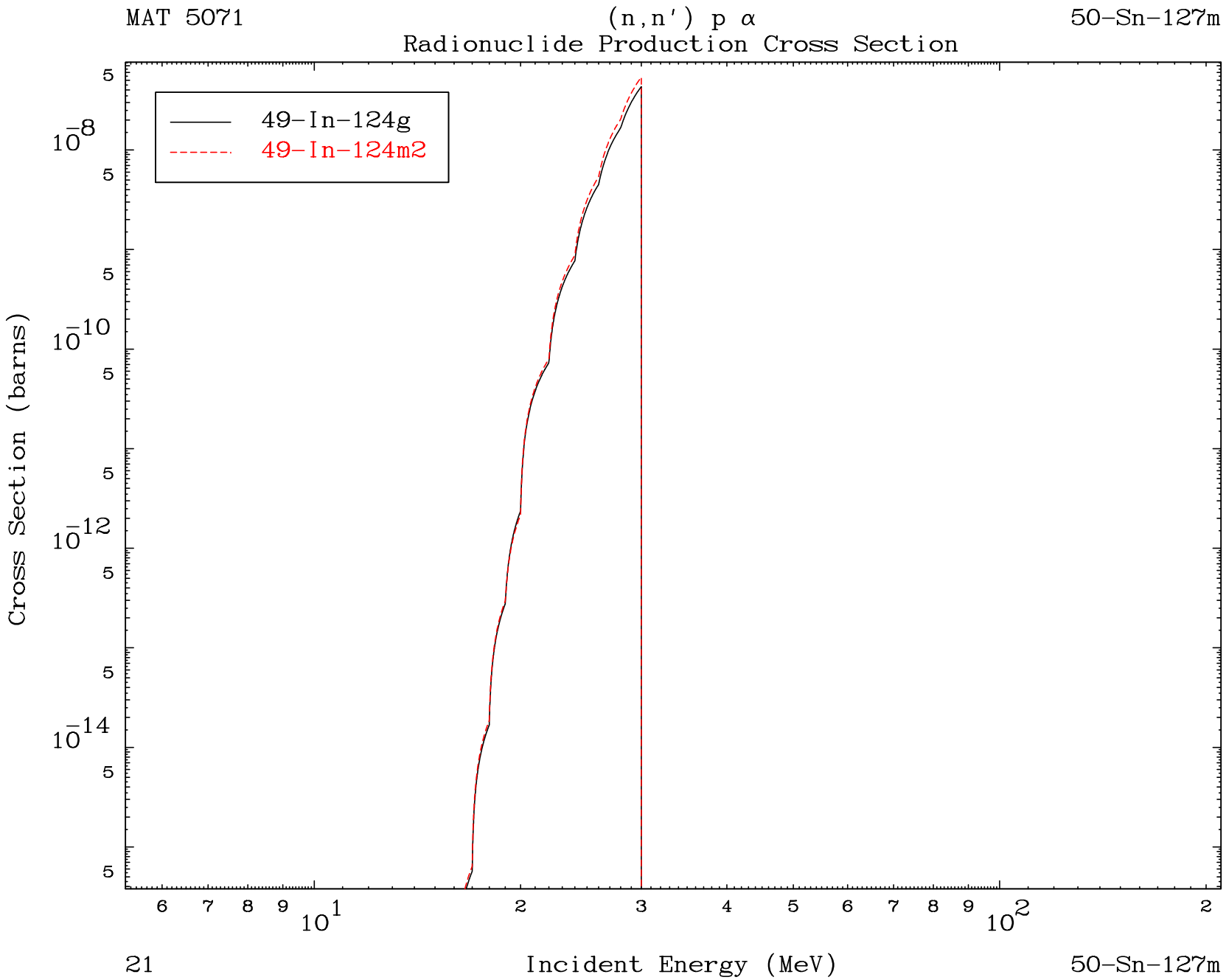

MAT 5071
(n,3n) α
50-Sn-127m
Radionuclide Production Cross Section
50-Sn-123g
50-Sn-123m1
Cross Section (barns)
Incident Energy (MeV)
16
50-Sn-127m

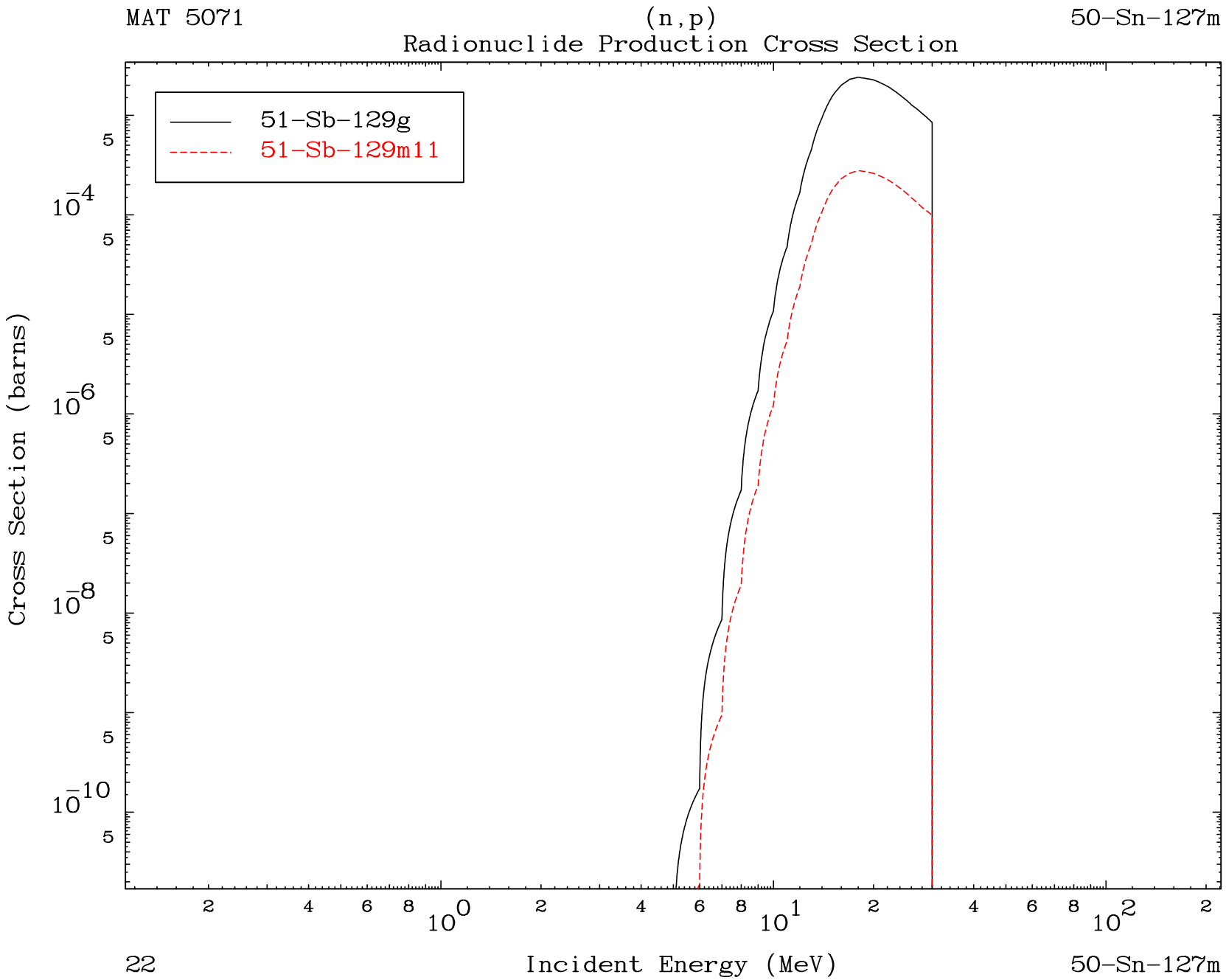

MAT 5071
(n,n') p
50-Sn-127m
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
Cross Section (barns)
Incident Energy (MeV)
17
50-Sn-127m

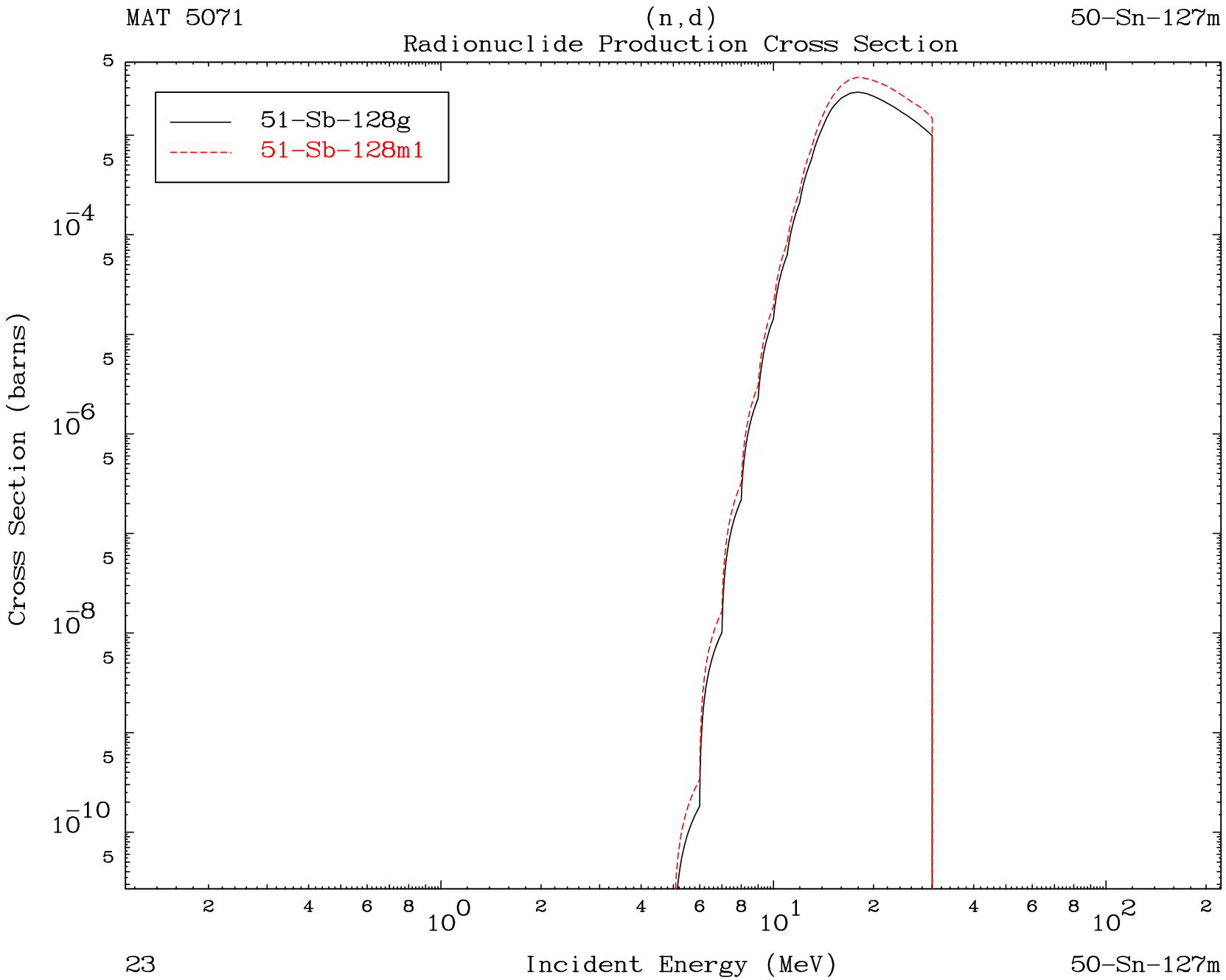

MAT 5071
(n,n') t
50-Sn-127m
Radionuclide Production Cross Section
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
Cross Section (barns)
Incident Energy (MeV)
18
50-Sn-127m

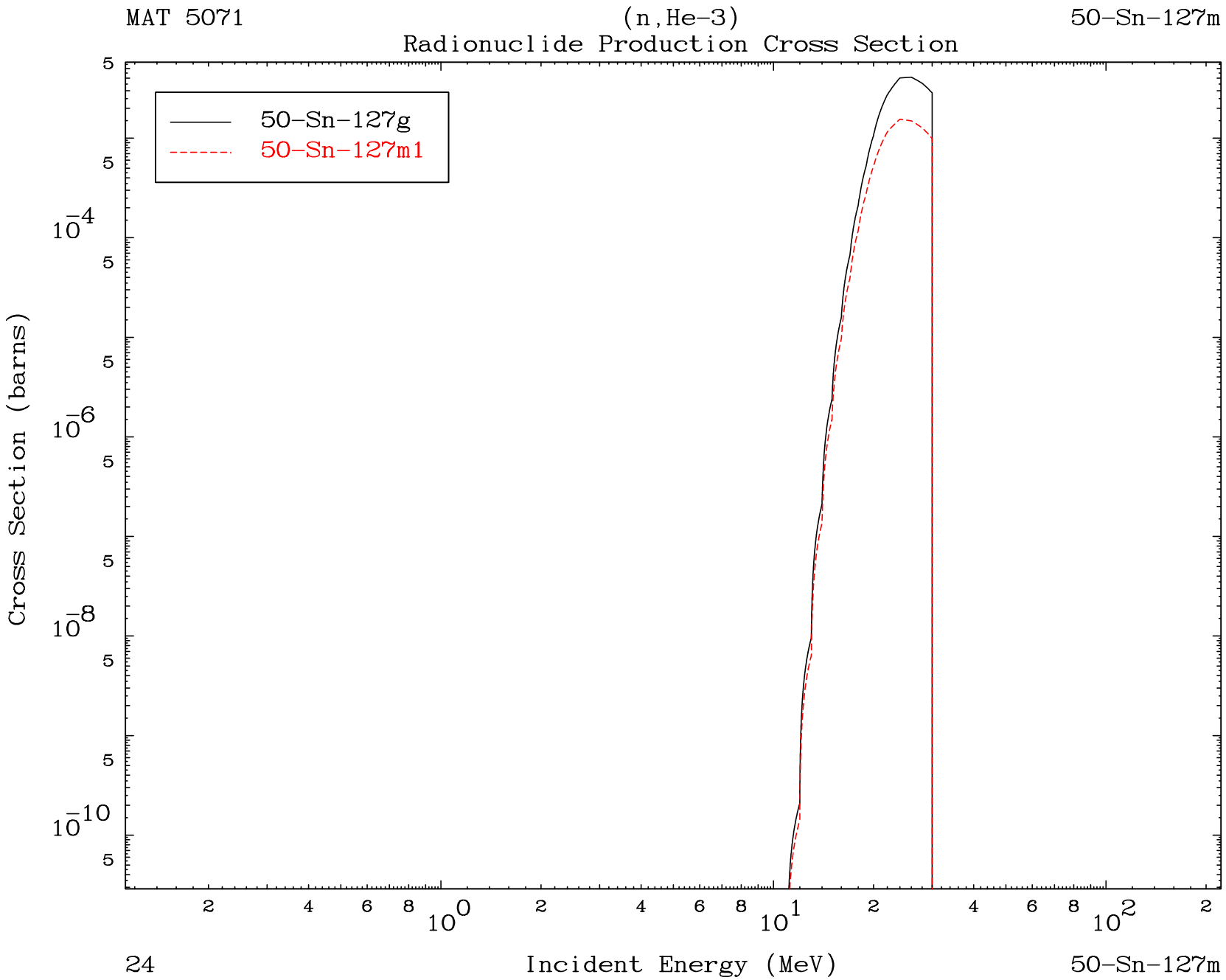

MAT 5071
(n,3n) p
50-Sn-127m
Radionuclide Production Cross Section
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
Cross Section (barns)
Incident Energy (MeV)
19
50-Sn-127m

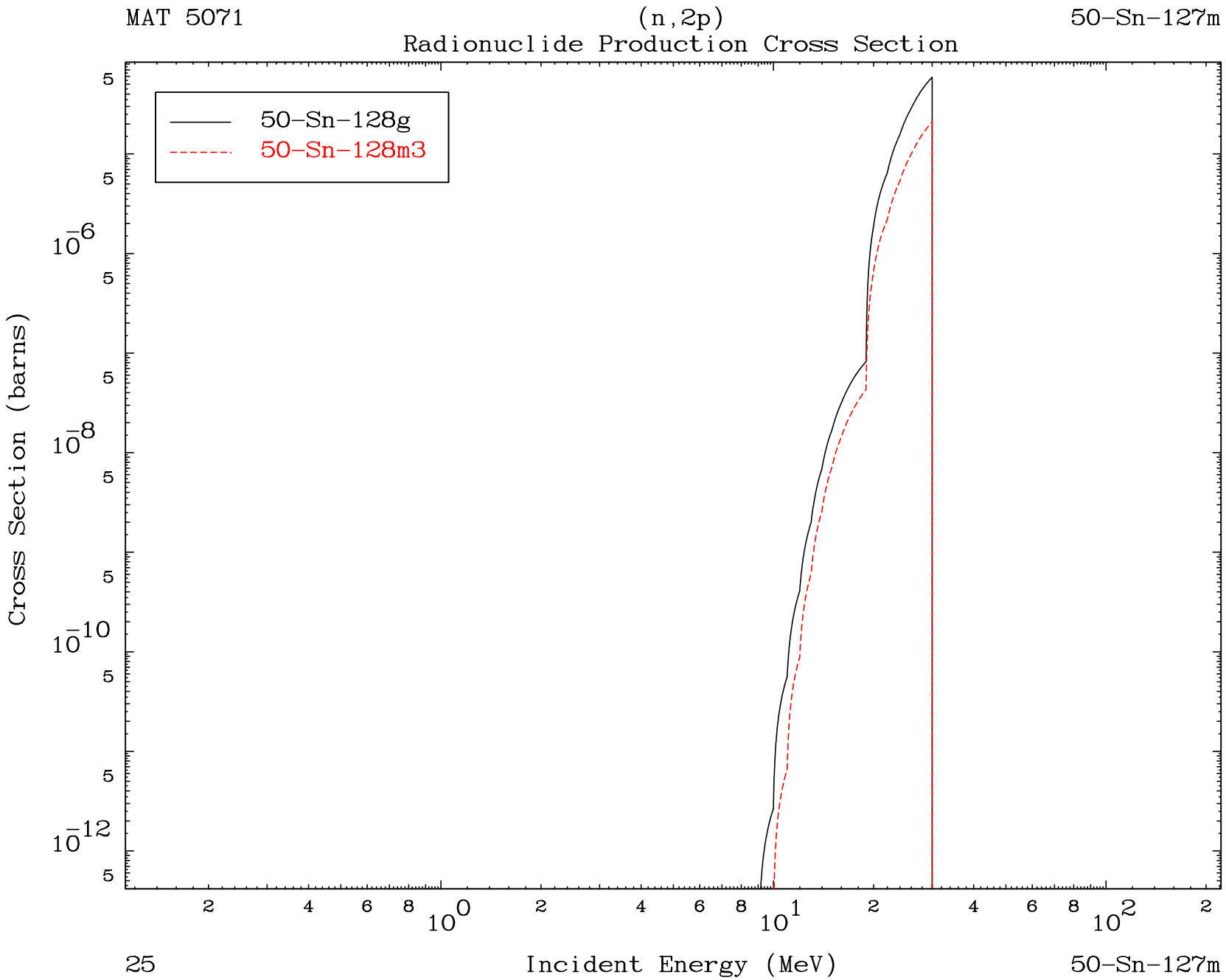

MAT 5071
(n,2n) p
50-Sn-127m
Radionuclide Production Cross Section
50-Sn-127g
50-Sn-127m1
Cross Section (barns)
Incident Energy (MeV)
20
50-Sn-127m

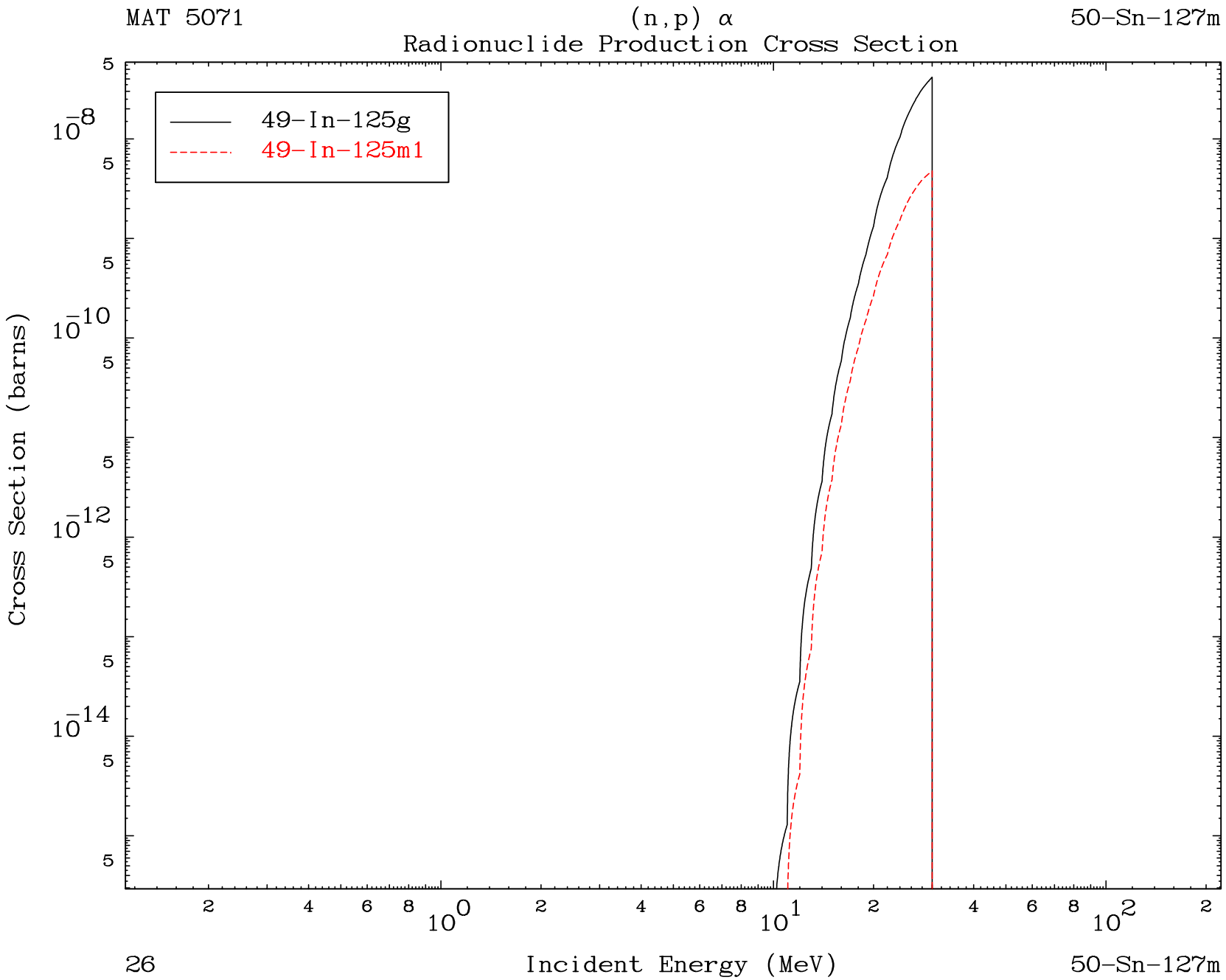

MAT 5071
(n,n') p α
50-Sn-127m
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
Incident Energy (MeV)
21
50-Sn-127m

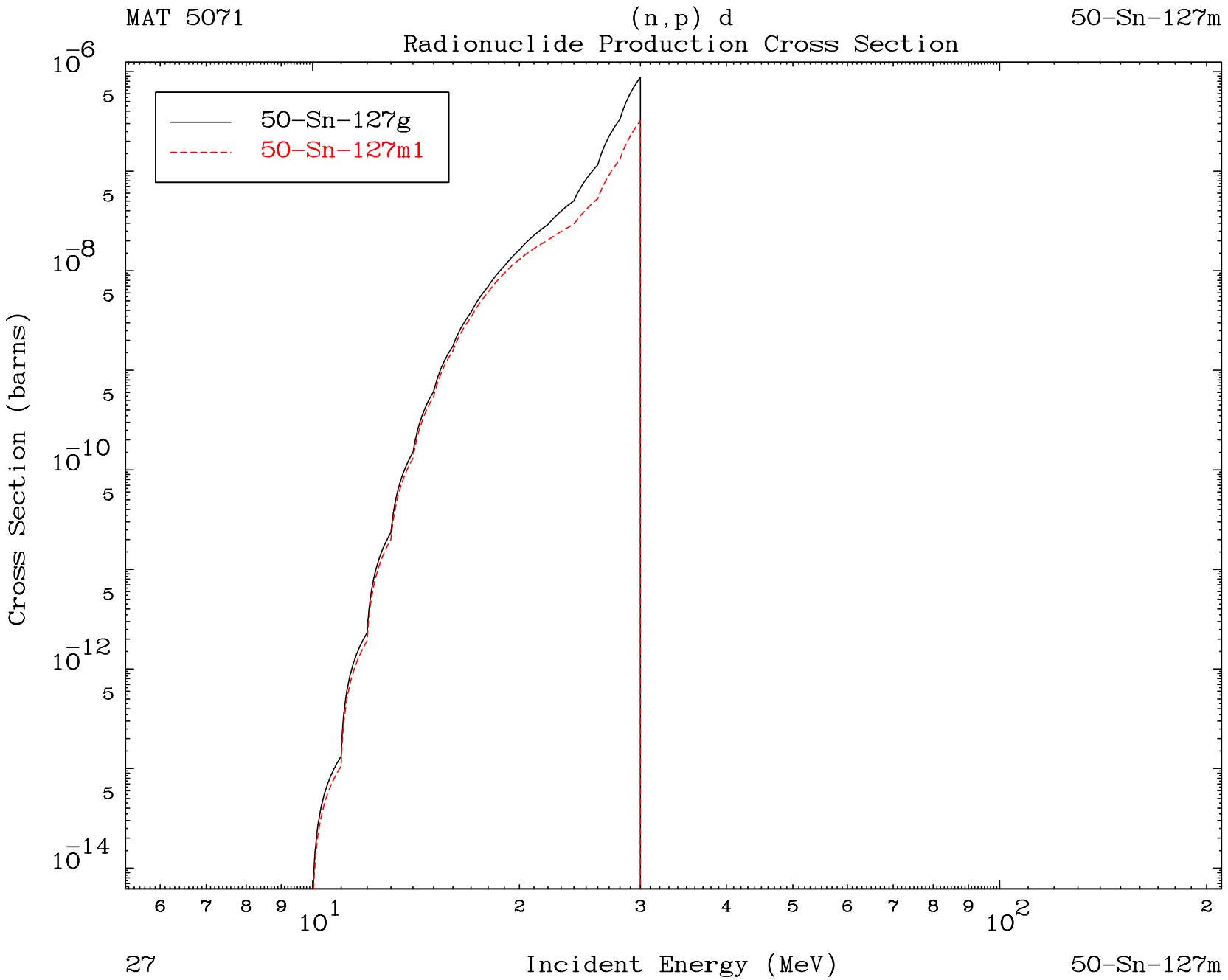

MAT 5071
(n,p)
50-Sn-127m
Radionuclide Production Cross Section
51-Sb-129g
51-Sb-129m11
Cross Section (barns)
Incident Energy (MeV)
22
50-Sn-127m

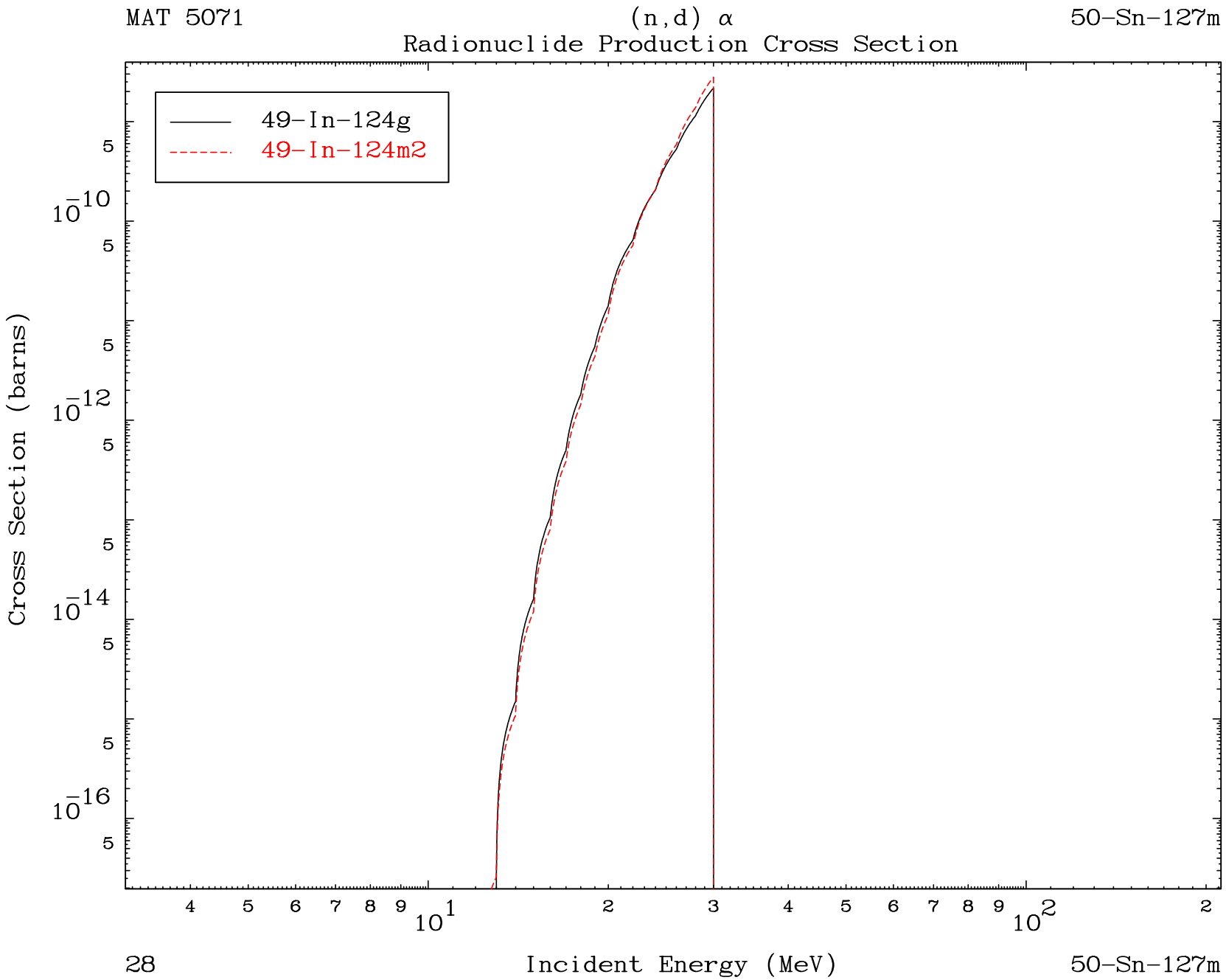

MAT 5071
(n,d)
50-Sn-127m
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
Cross Section (barns)
Incident Energy (MeV)
23
50-Sn-127m


MAT 5071
(n,He-3)
50-Sn-127m
Radionuclide Production Cross Section
50-Sn-127g
50-Sn-127m1
Cross Section (barns)
Incident Energy (MeV)
24
50-Sn-127m


MAT 5071
(n,2p)
50-Sn-127m
Radionuclide Production Cross Section
50-Sn-128g
50-Sn-128m3
Cross Section (barns)
Incident Energy (MeV)
25
50-Sn-127m


MAT 5071
(n,p) α
50-Sn-127m
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
Incident Energy (MeV)
26
50-Sn-127m


MAT 5071
(n,p) d
50-Sn-127m
Radionuclide Production Cross Section
50-Sn-127g
50-Sn-127m1
Cross Section (barns)
Incident Energy (MeV)
27
50-Sn-127m


MAT 5071
(n,d) α
50-Sn-127m
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
Incident Energy (MeV)
28
50-Sn-127m