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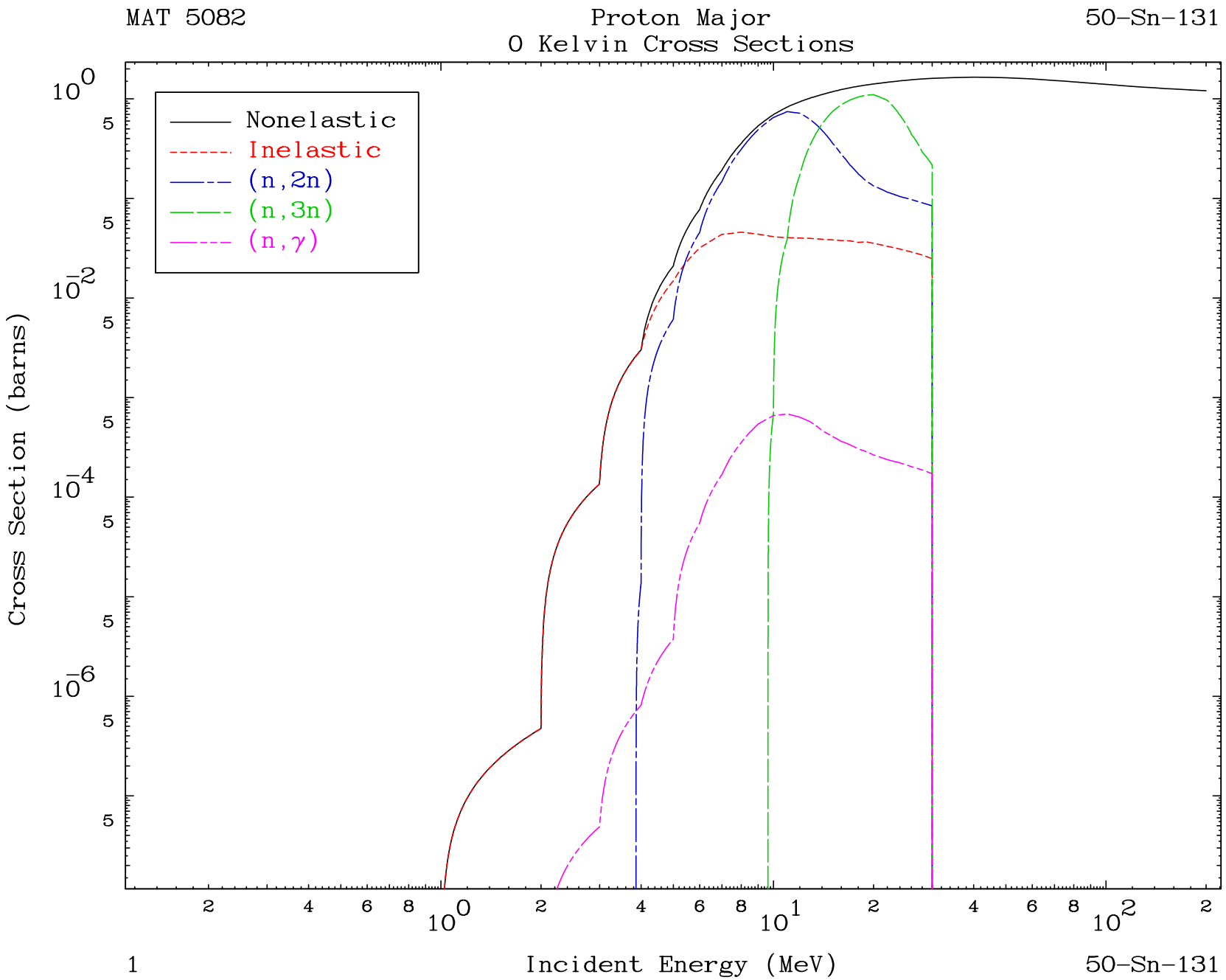
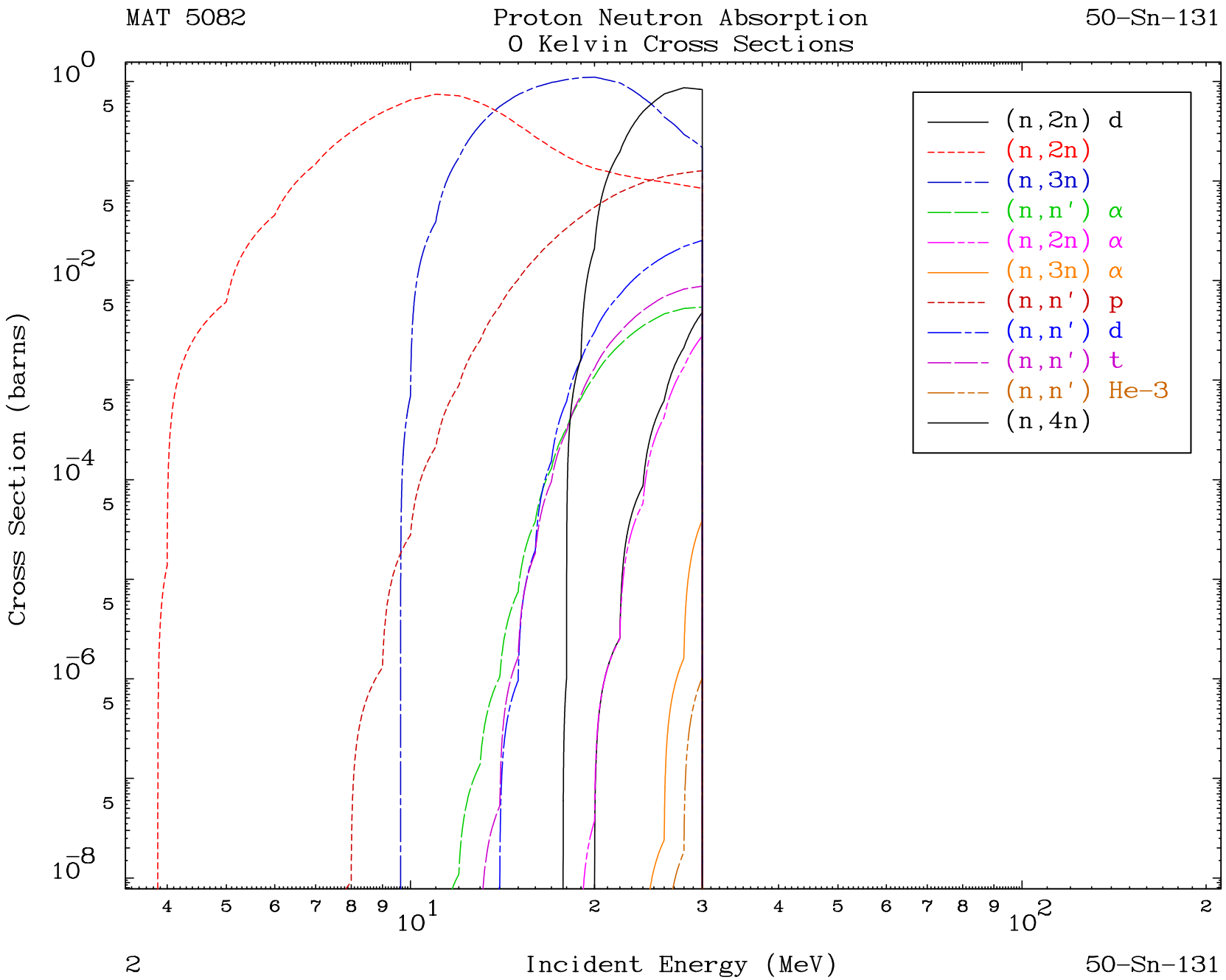
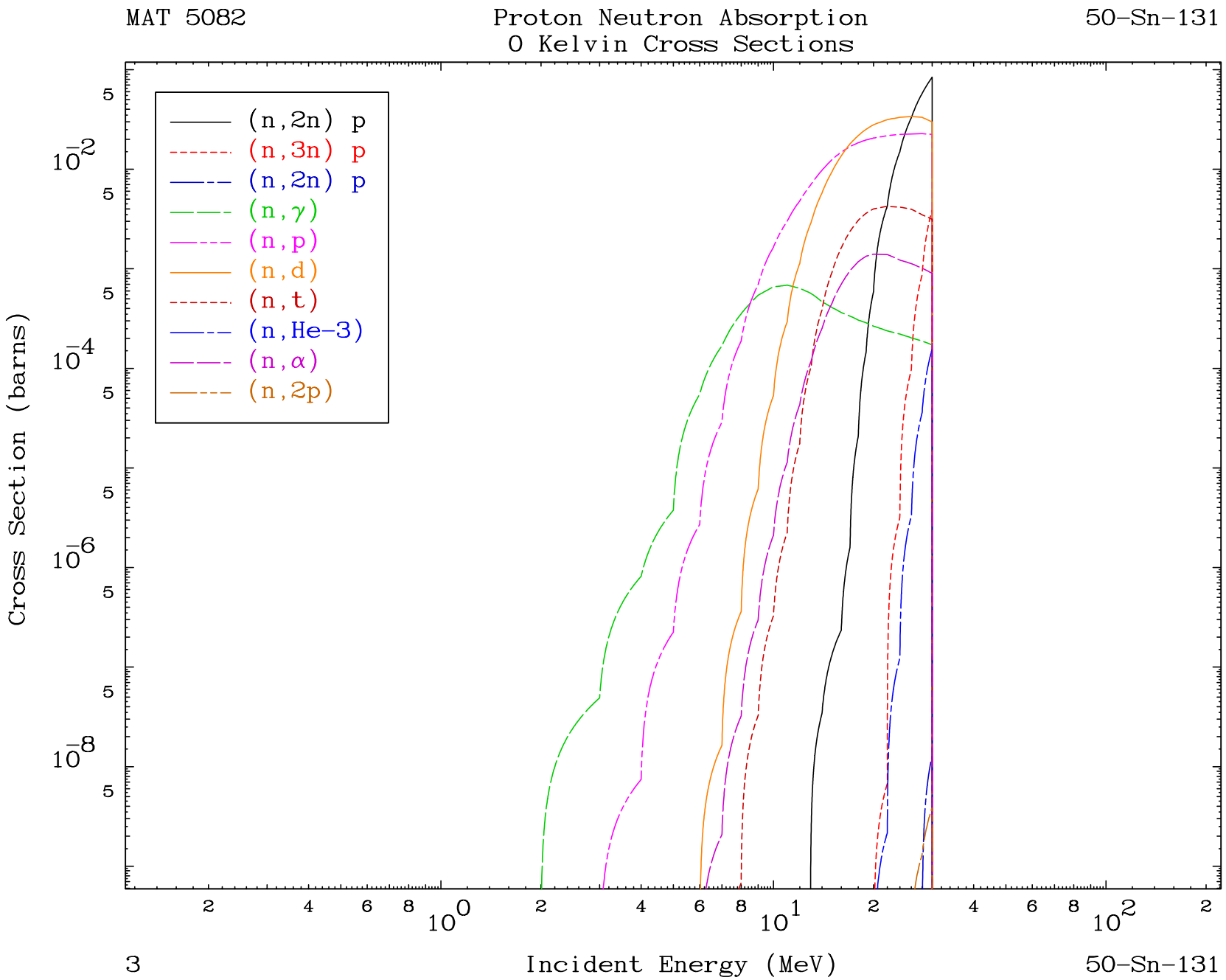
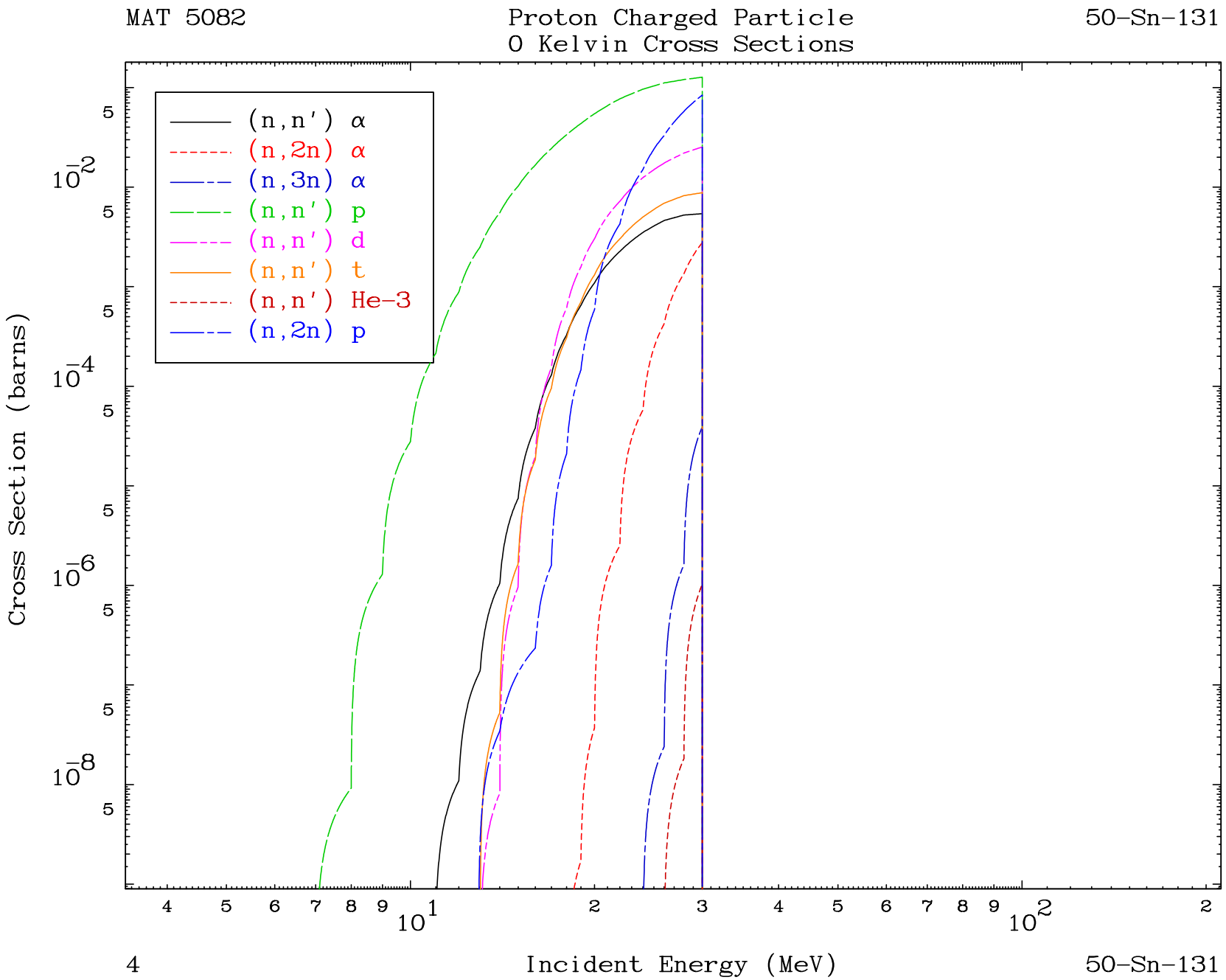
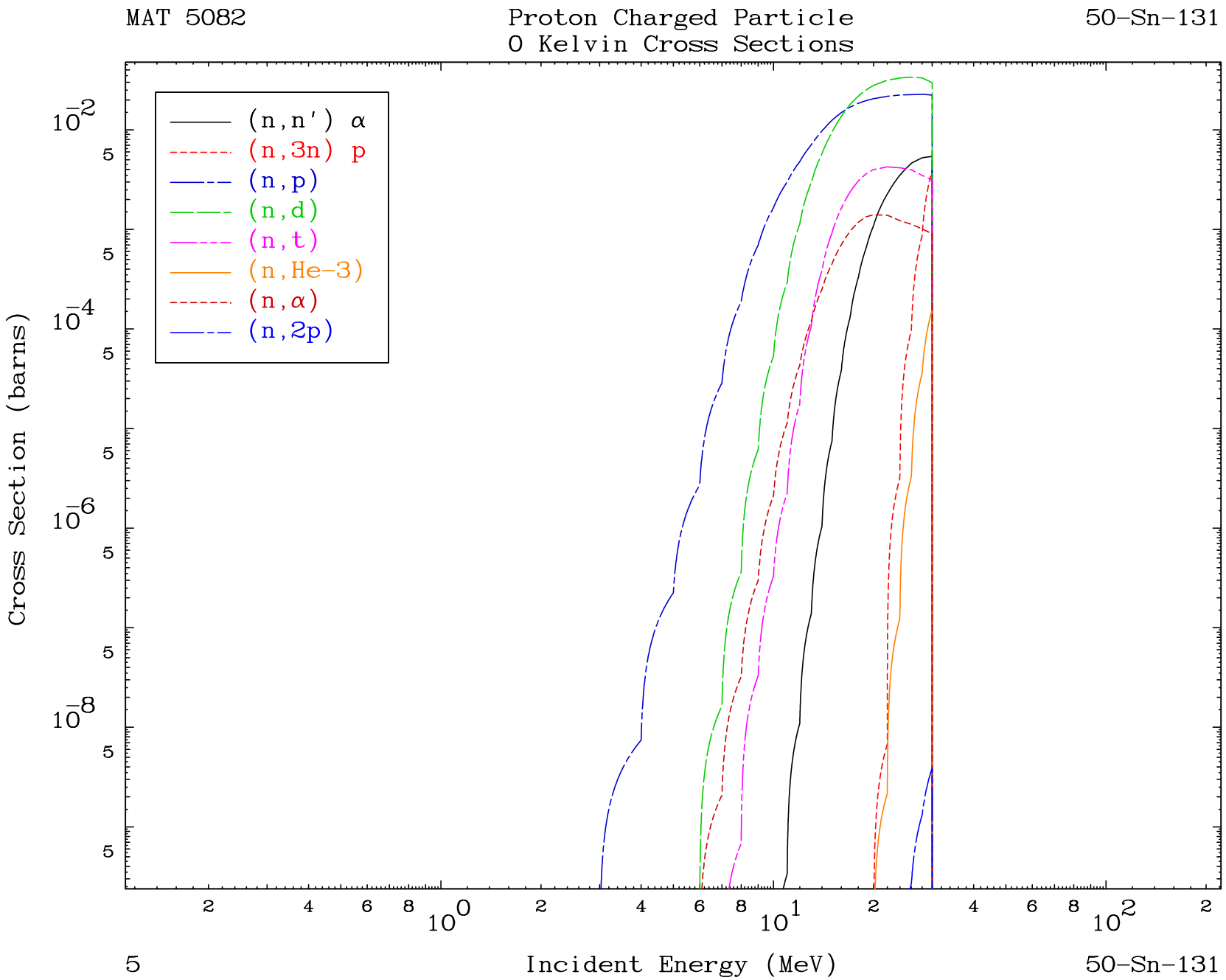
Press Mouse Button to Start

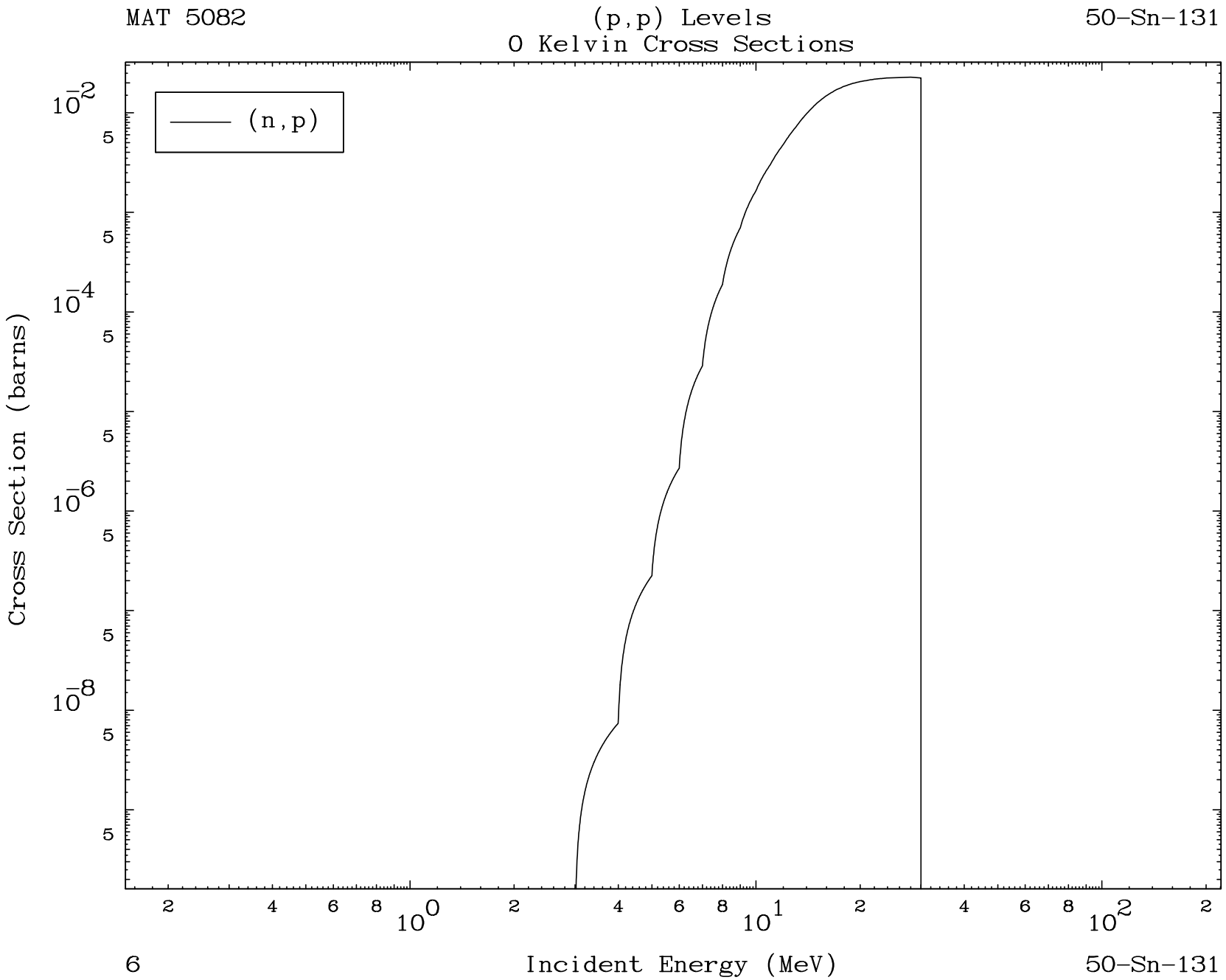

MAT 5082
Proton Major
50-Sn-131
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-131
1

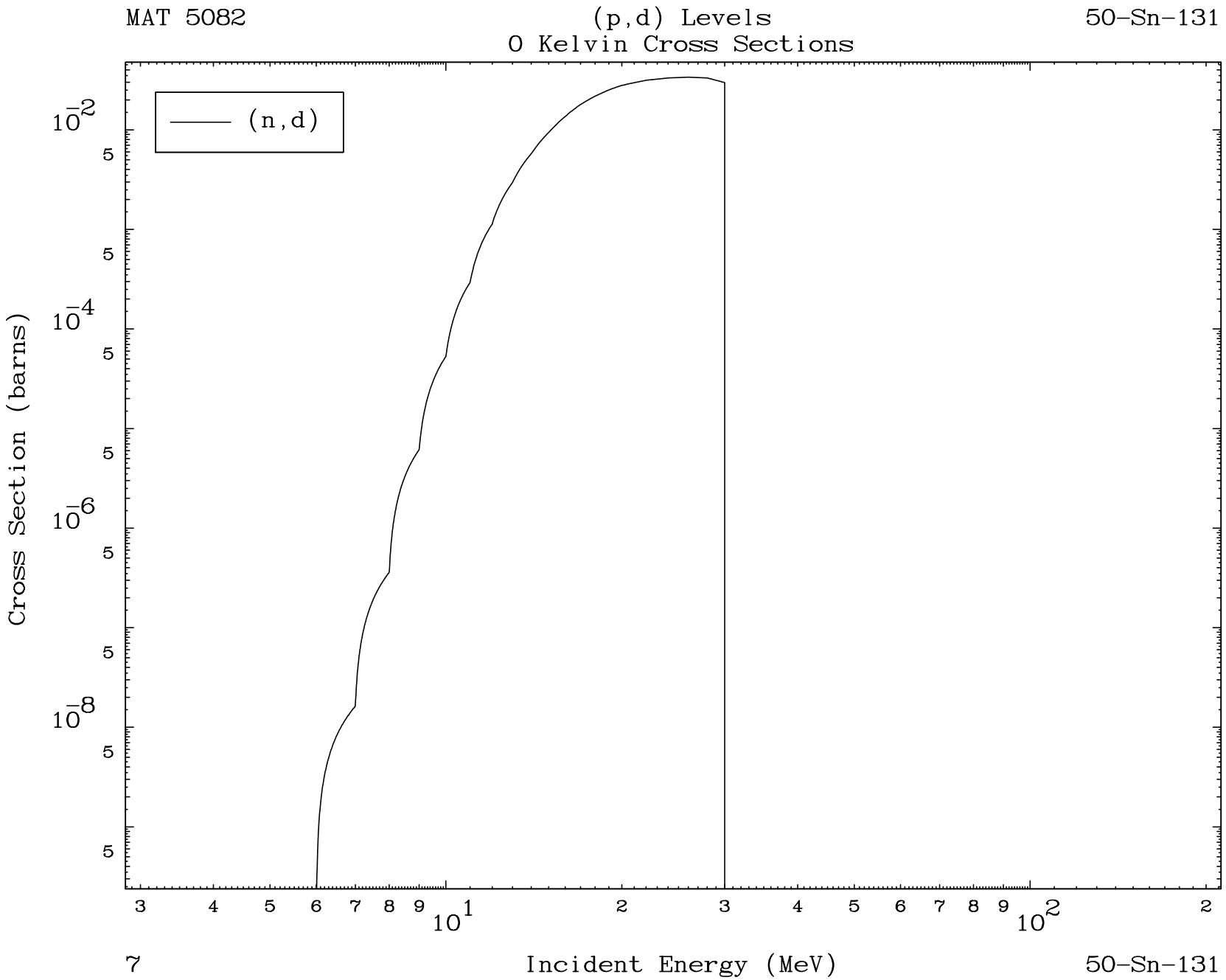

MAT 5082
Proton Neutron Absorption
0 Kelvin Cross Sections
50-Sn-131
Cross Section (barns)
Incident Energy (MeV)
50-Sn-131
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)

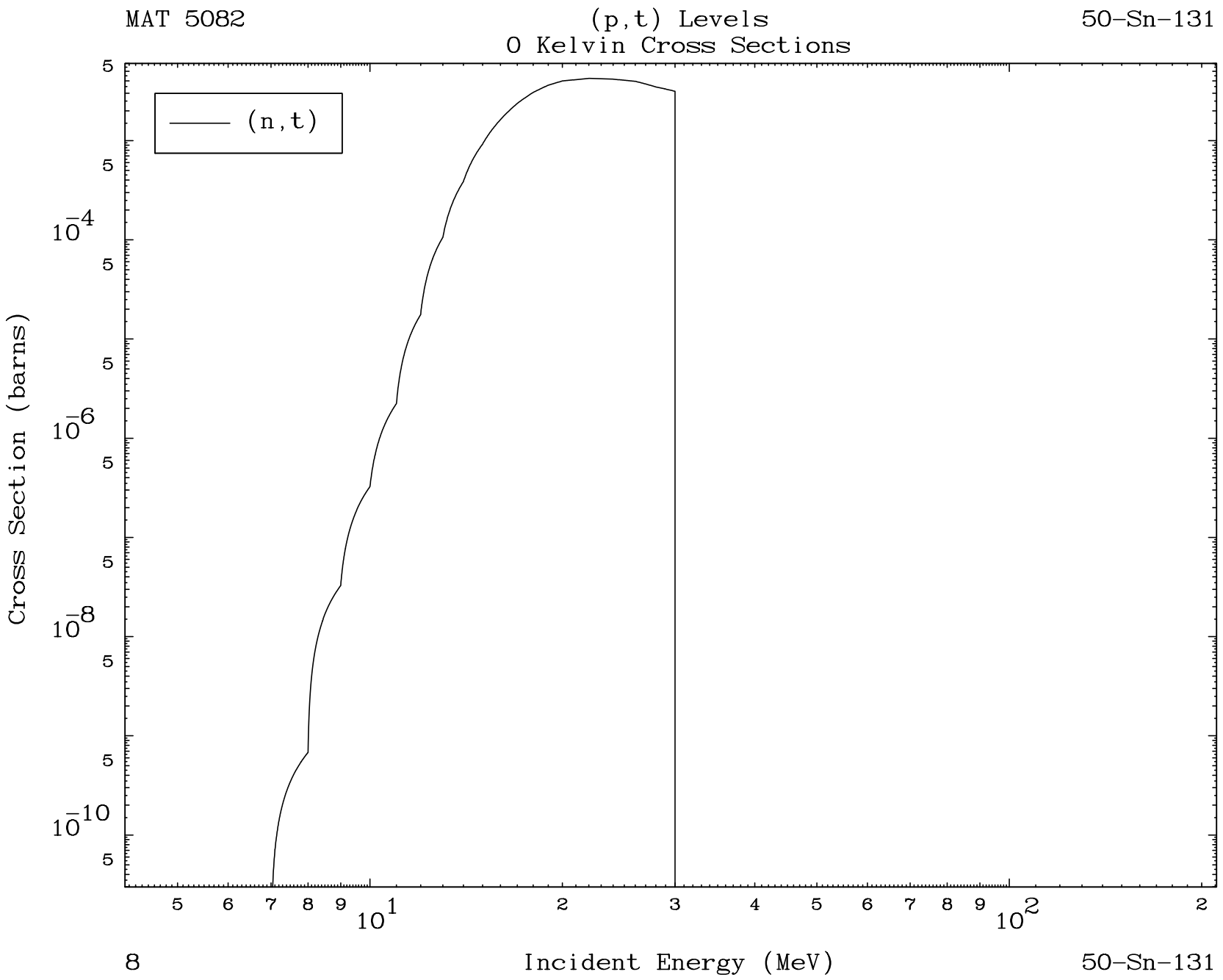

MAT 5082
Proton Neutron Absorption
0 Kelvin Cross Sections
50-Sn-131
(n,2n) p
(n,3n) p
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-131

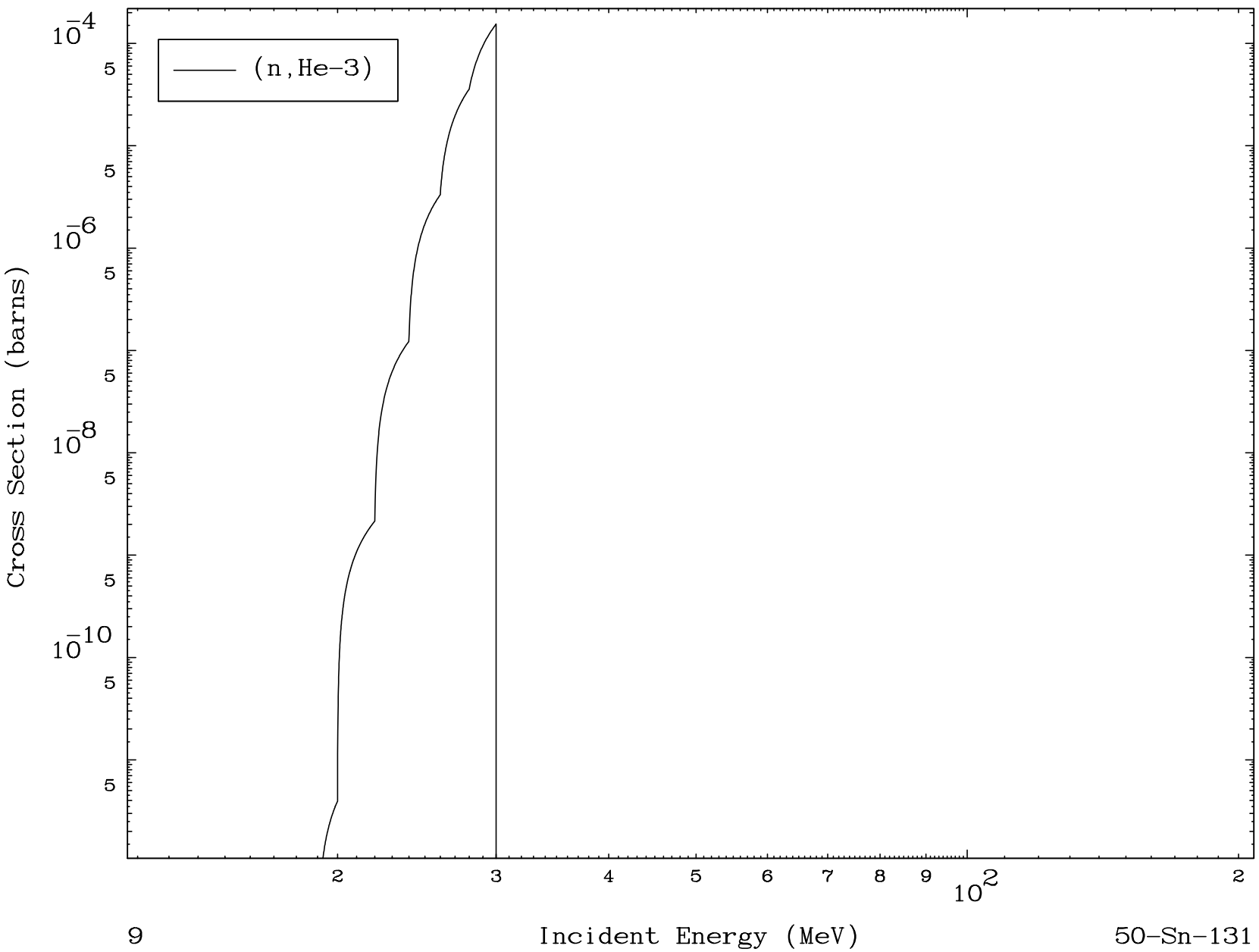

MAT 5082
Proton Charged Particle
0 Kelvin Cross Sections
50-Sn-131
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
4
50-Sn-131

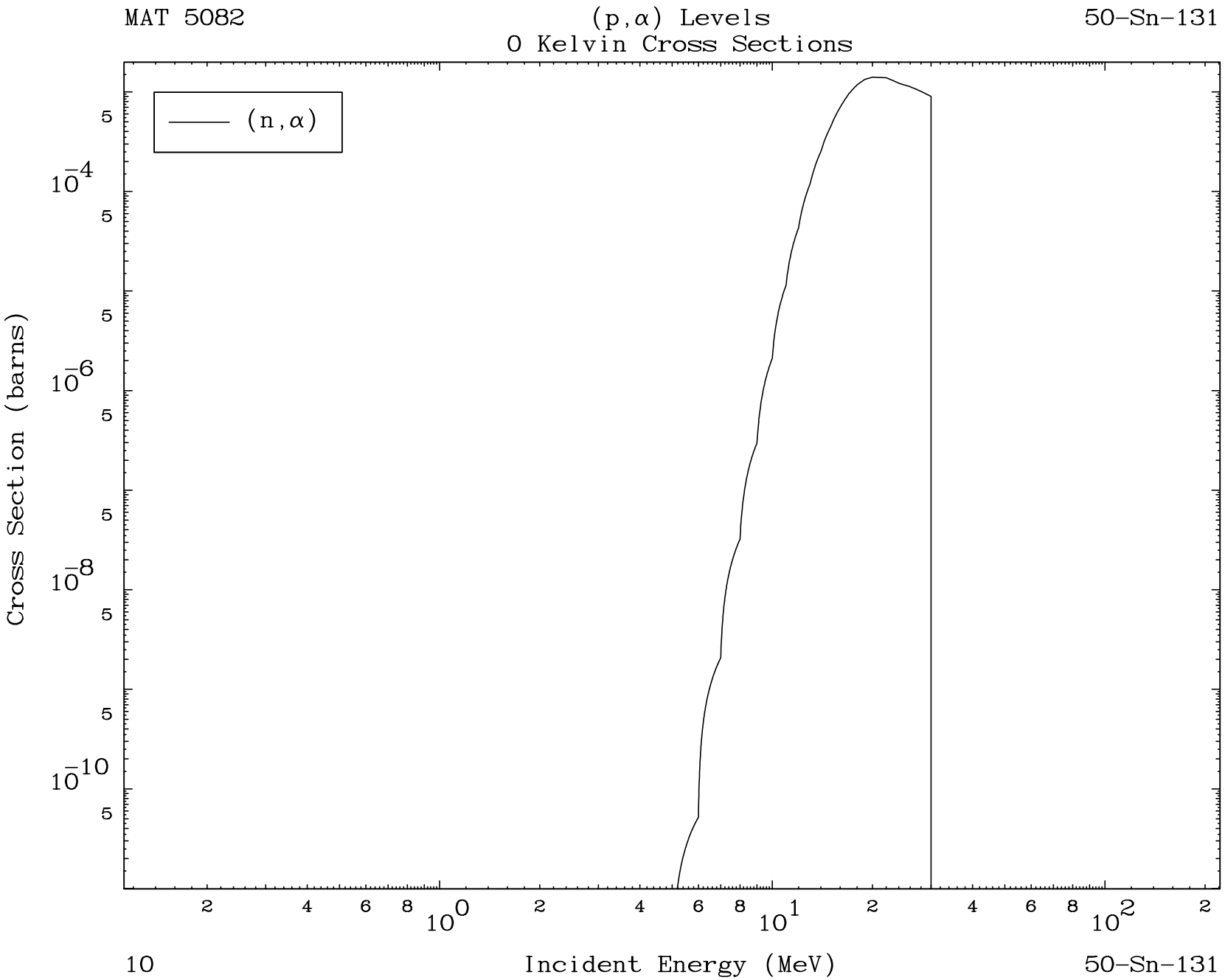

MAT 5082
Proton Charged Particle
0 Kelvin Cross Sections
50-Sn-131
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-131
5

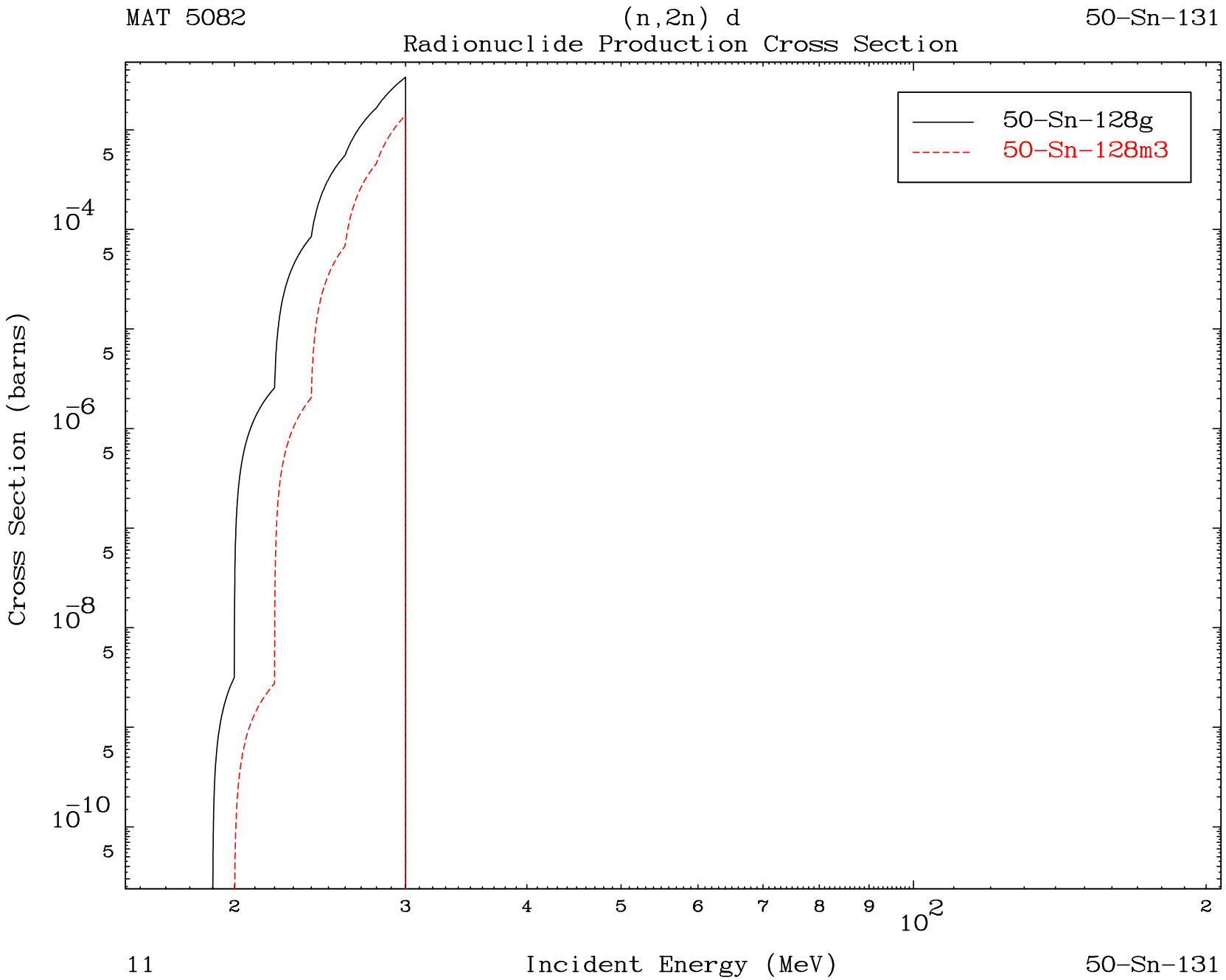

MAT 5082
(p,p) Levels
50-Sn-131
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
6
50-Sn-131

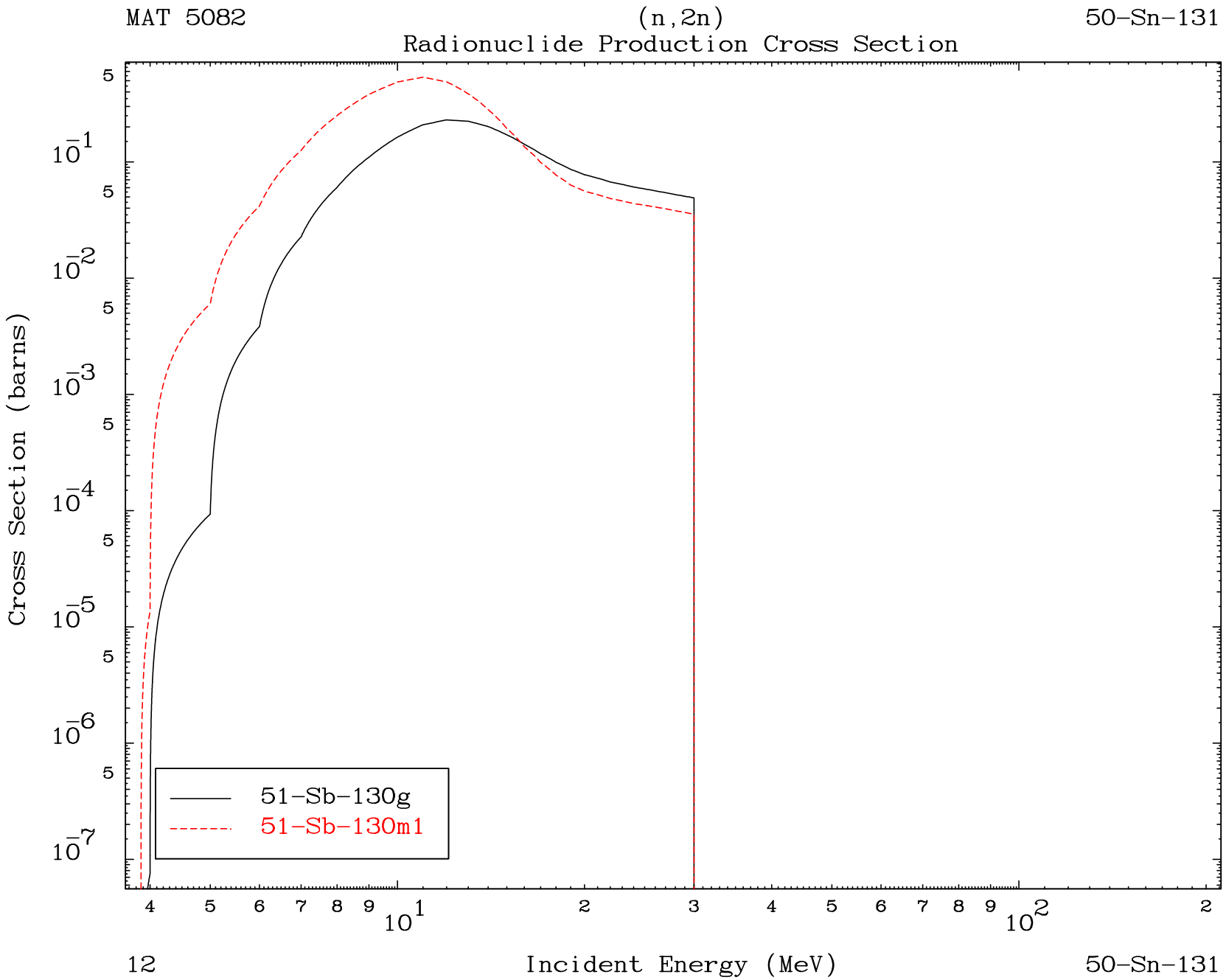

MAT 5082
(p,d) Levels
50-Sn-131
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
7
50-Sn-131

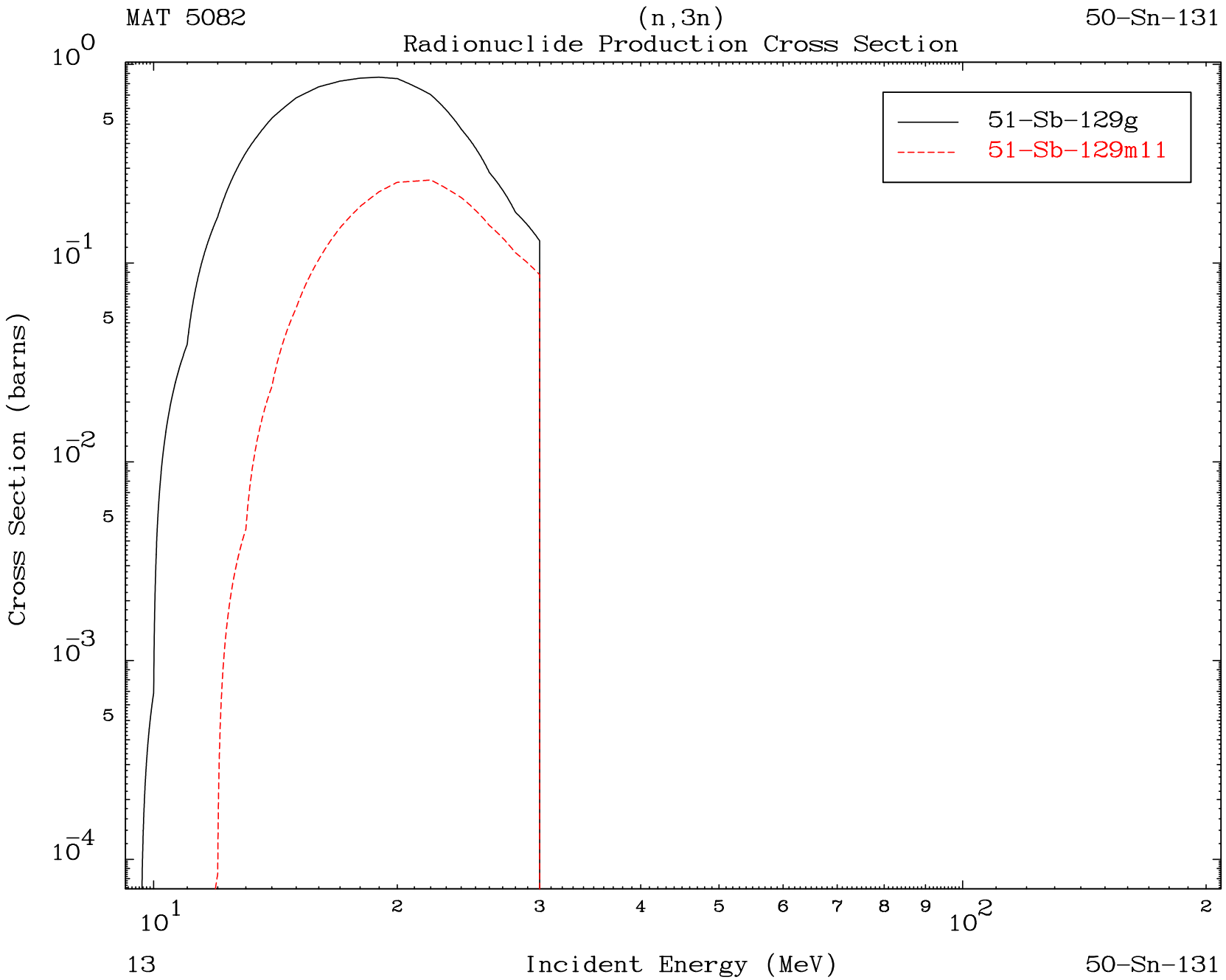

MAT 5082
(p,t) Levels
50-Sn-131
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
8
50-Sn-131

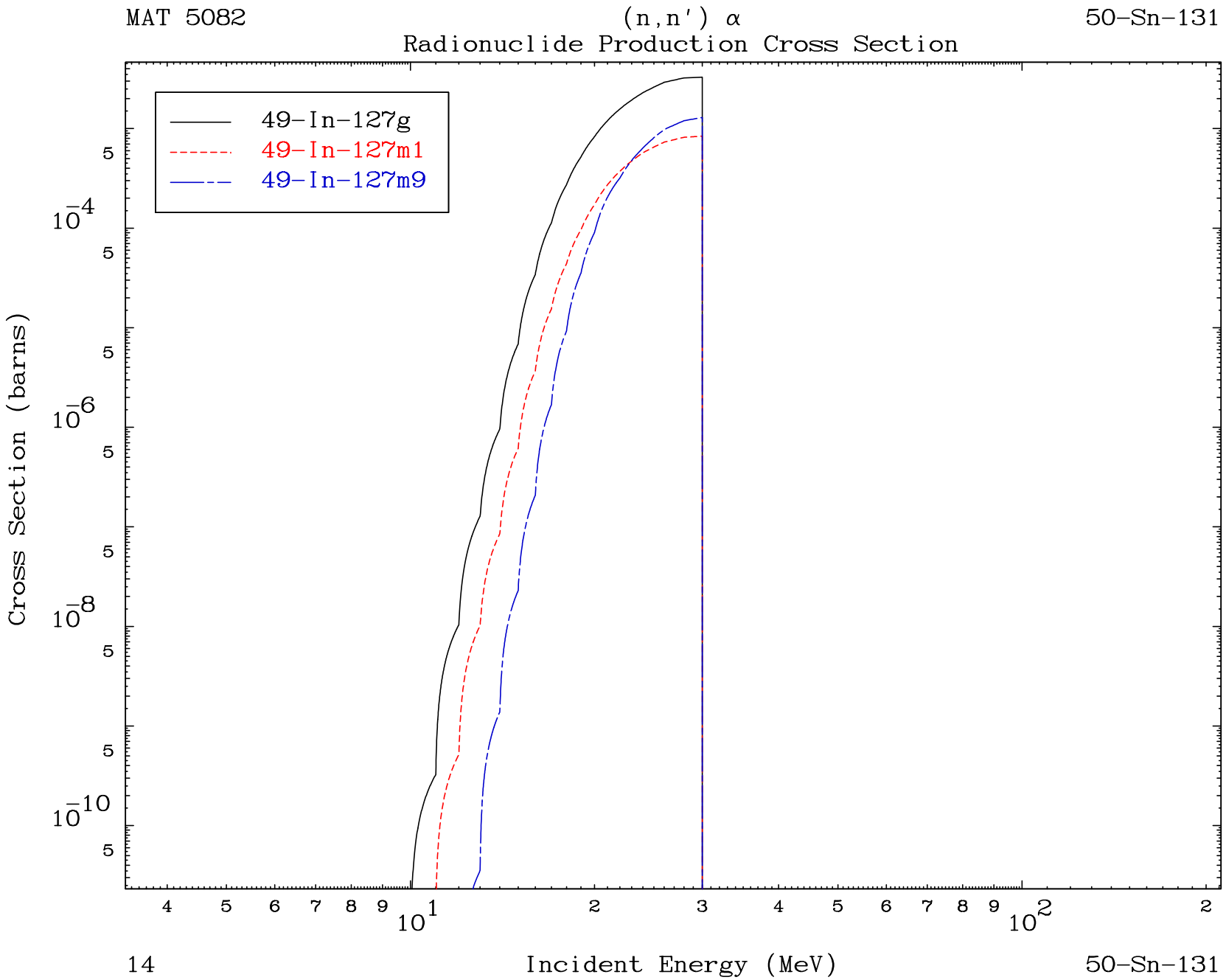

0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

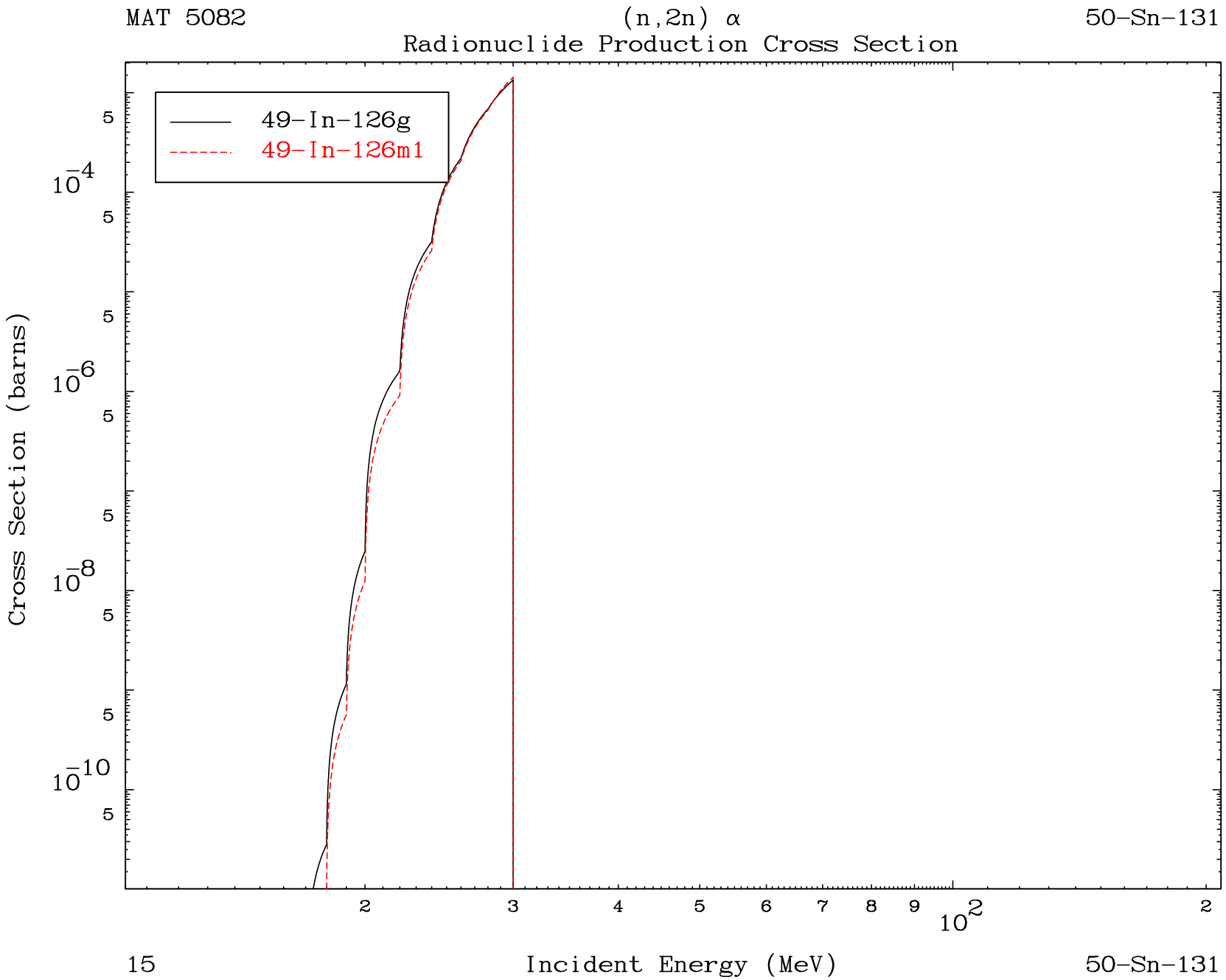

MAT 5082
(p,α) Levels
50-Sn-131
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
10
Incident Energy (MeV)
50-Sn-131

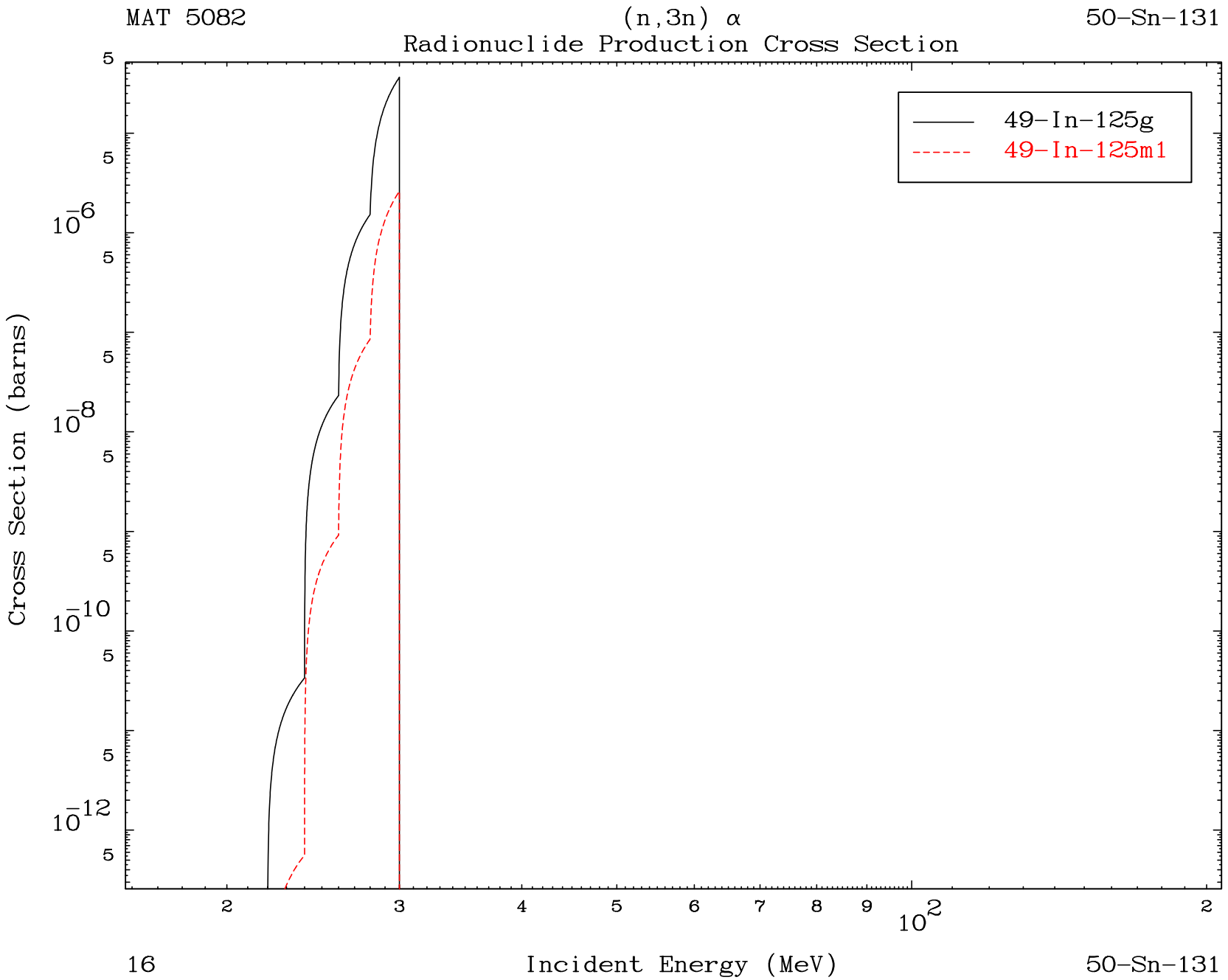

MAT 5082
(n,2n) d
50-Sn-131
Radionuclide Production Cross Section
50-Sn-128g
50-Sn-128m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
50-Sn-131

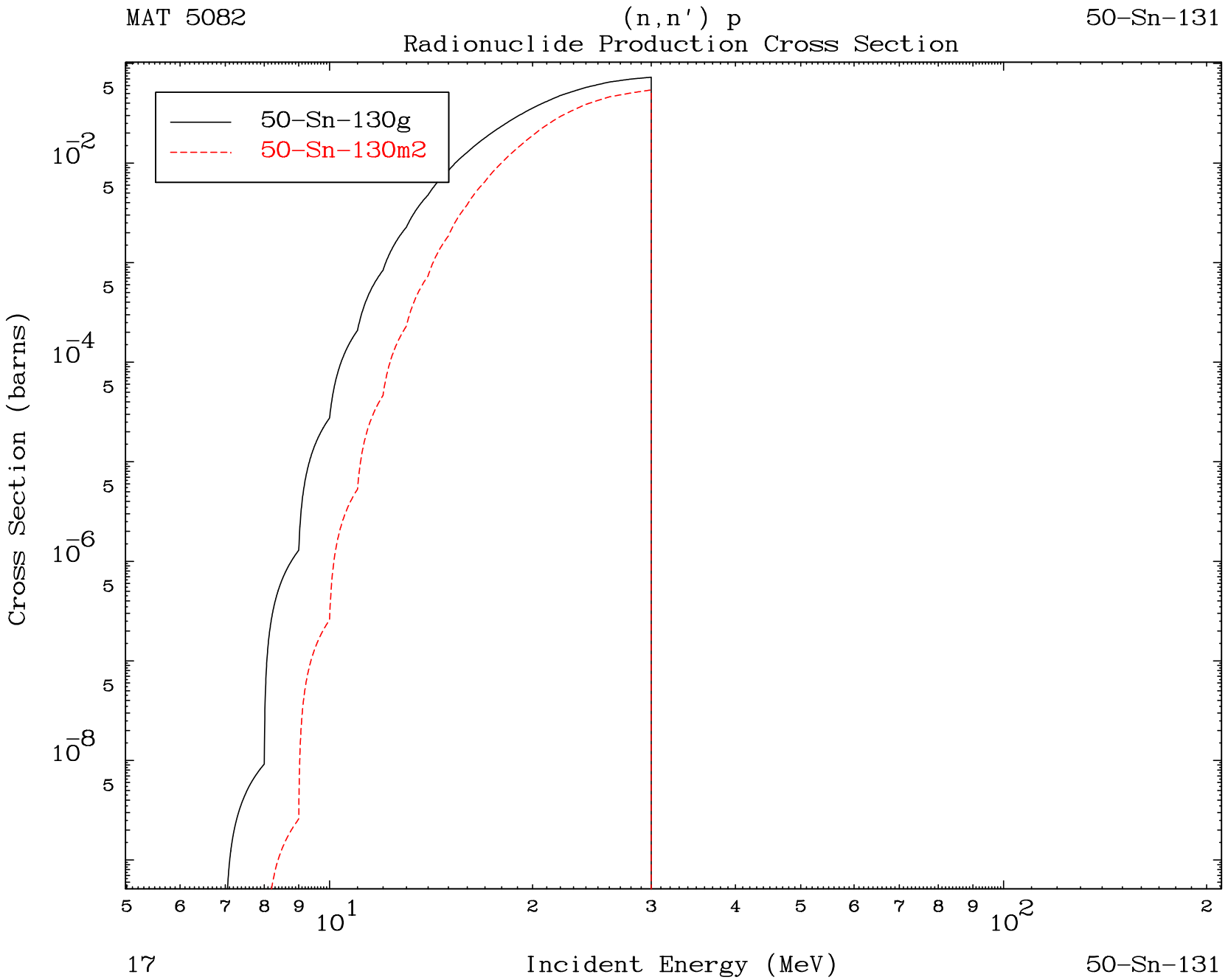

MAT 5082
(n,2n)
50-Sn-131
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
51-Sb-130g
51-Sb-130m1
12
50-Sn-131

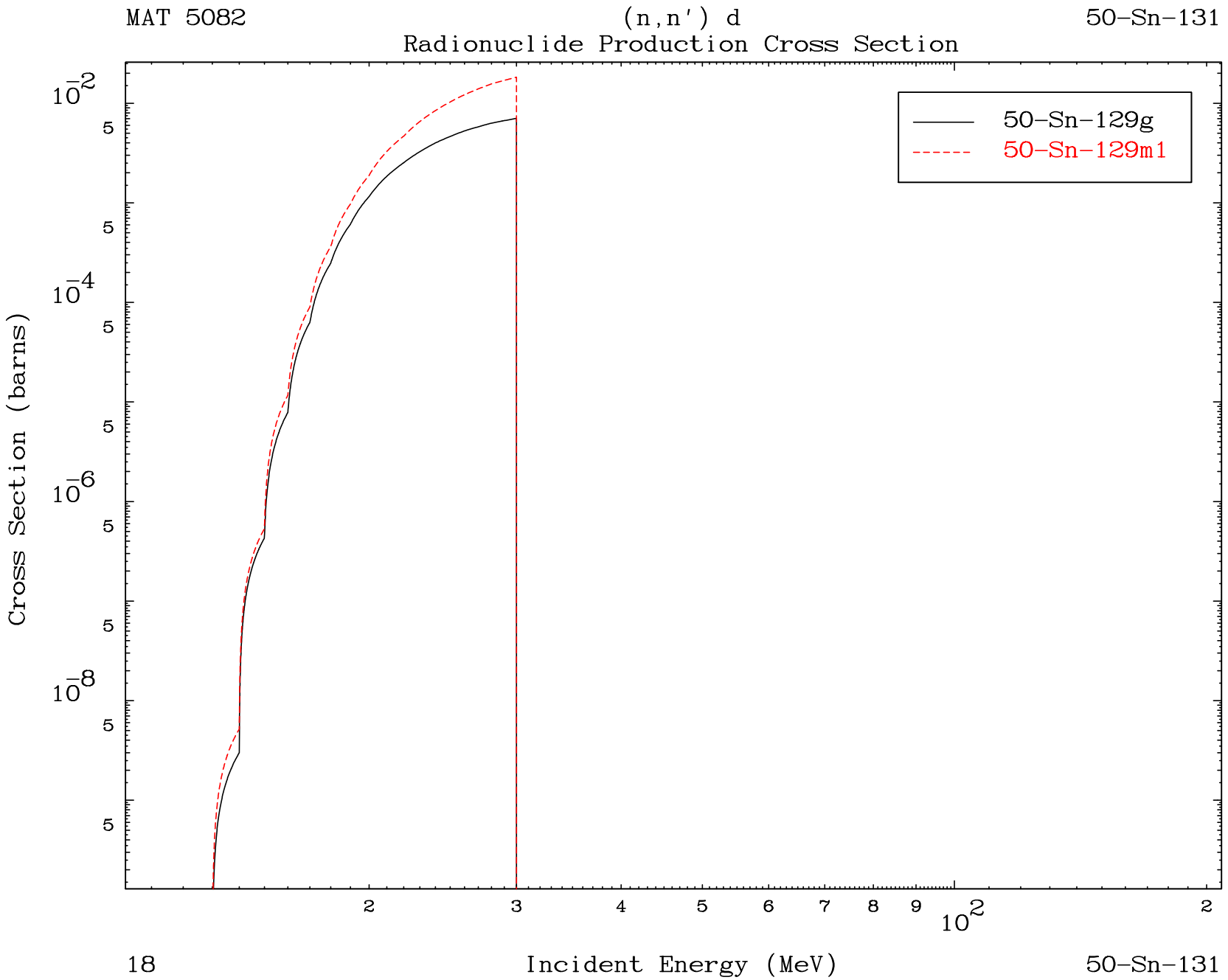

MAT 5082
(n,3n)
50-Sn-131
Radionuclide Production Cross Section
51-Sb-129g
51-Sb-129m11
Cross Section (barns)
Incident Energy (MeV)
13
50-Sn-131

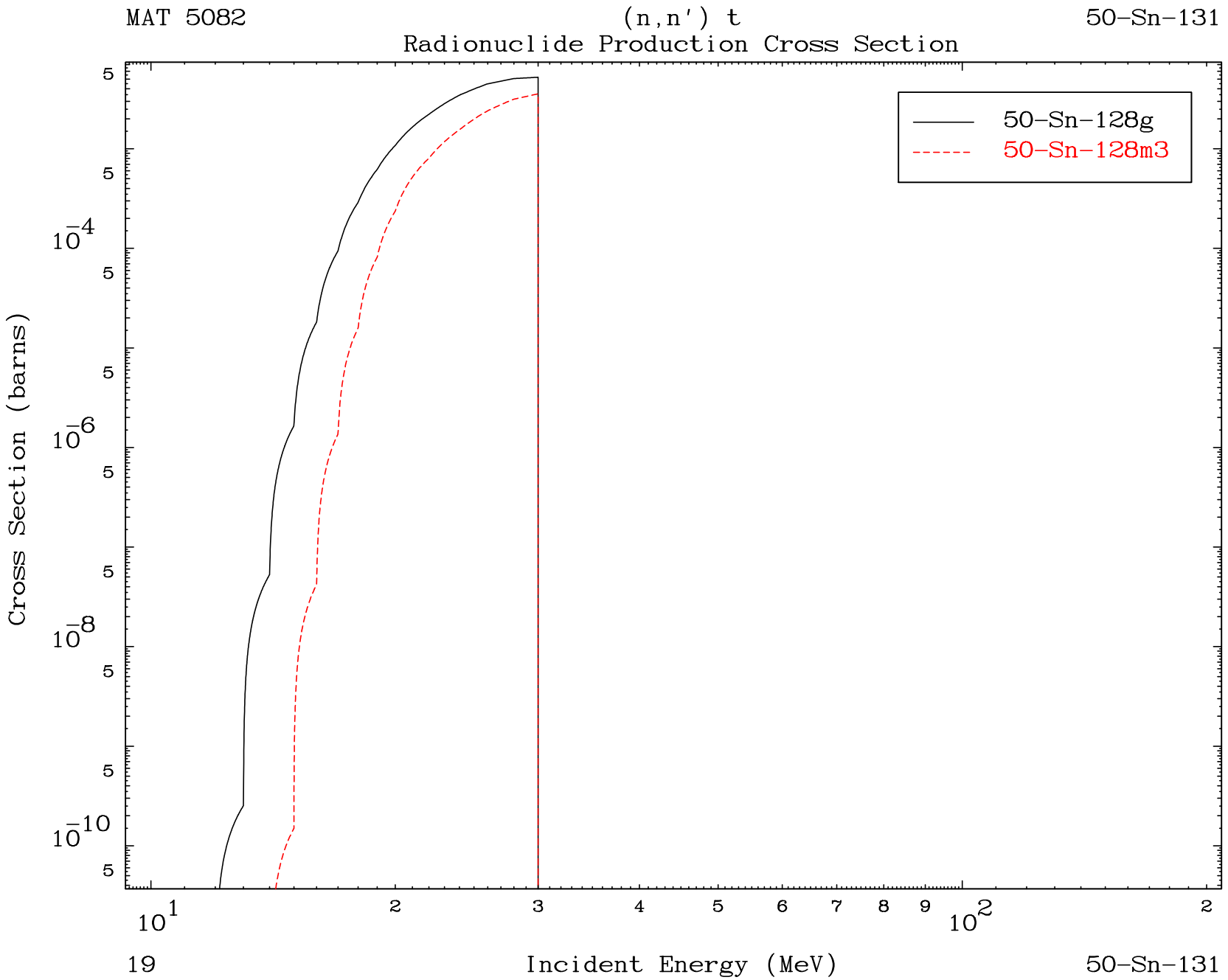

MAT 5082
(n,n') α
50-Sn-131
Radionuclide Production Cross Section
49-In-127g
49-In-127m1
49-In-127m9
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
14
50-Sn-131

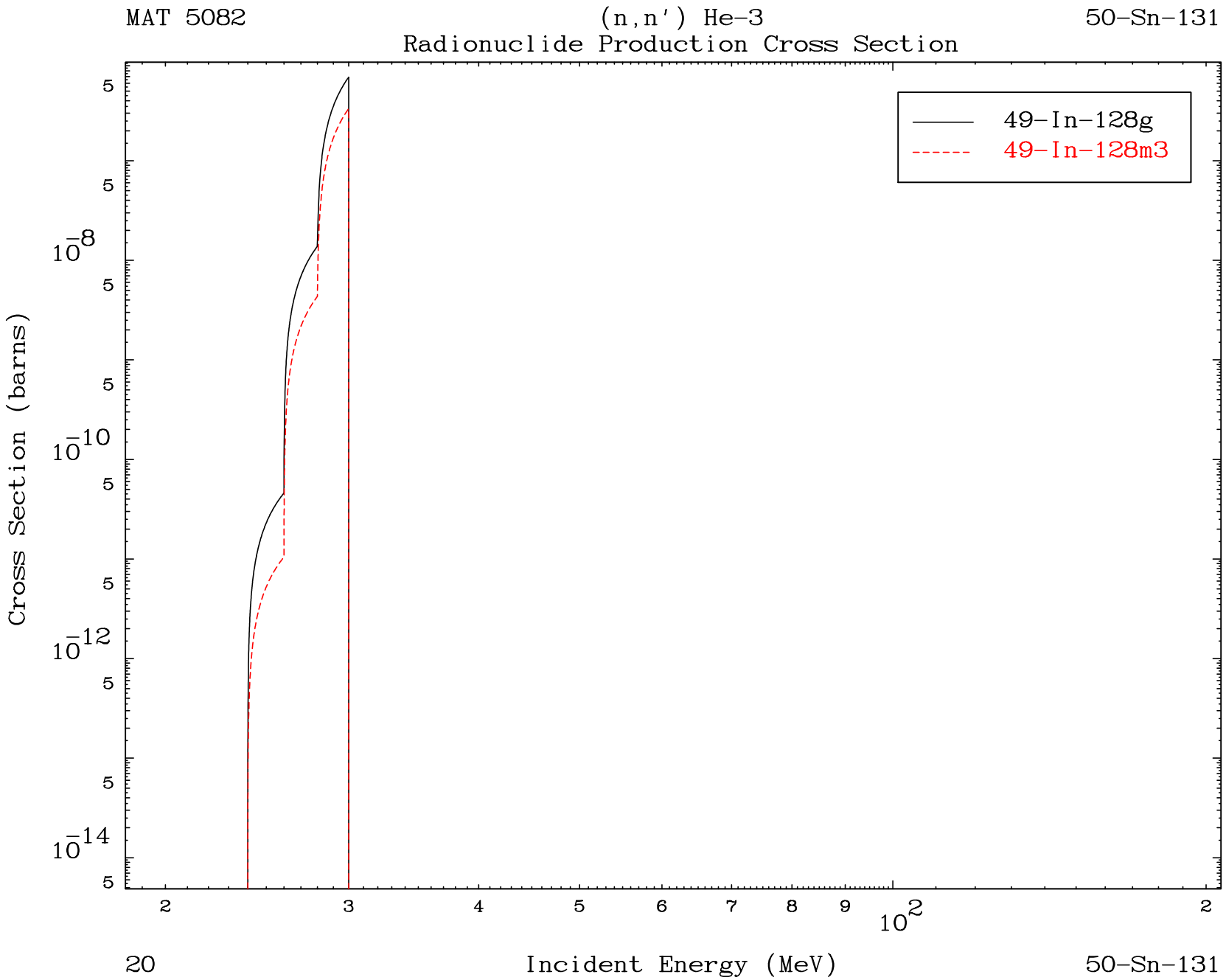

MAT 5082
(n,2n) α
50-Sn-131
Radionuclide Production Cross Section
49-In-126g
49-In-126m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
50-Sn-131

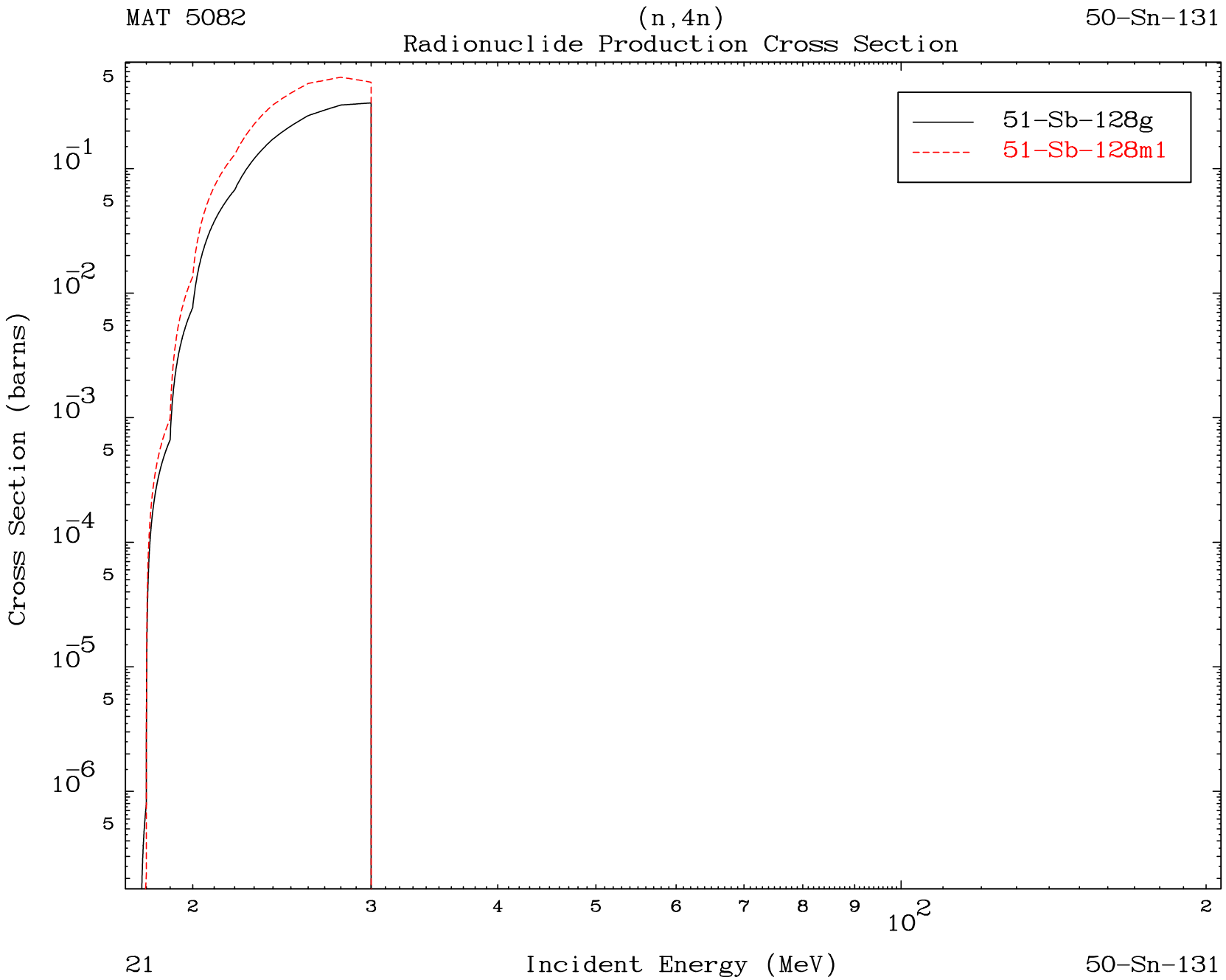

MAT 5082
(n,3n) α
50-Sn-131
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
Incident Energy (MeV)
16
50-Sn-131

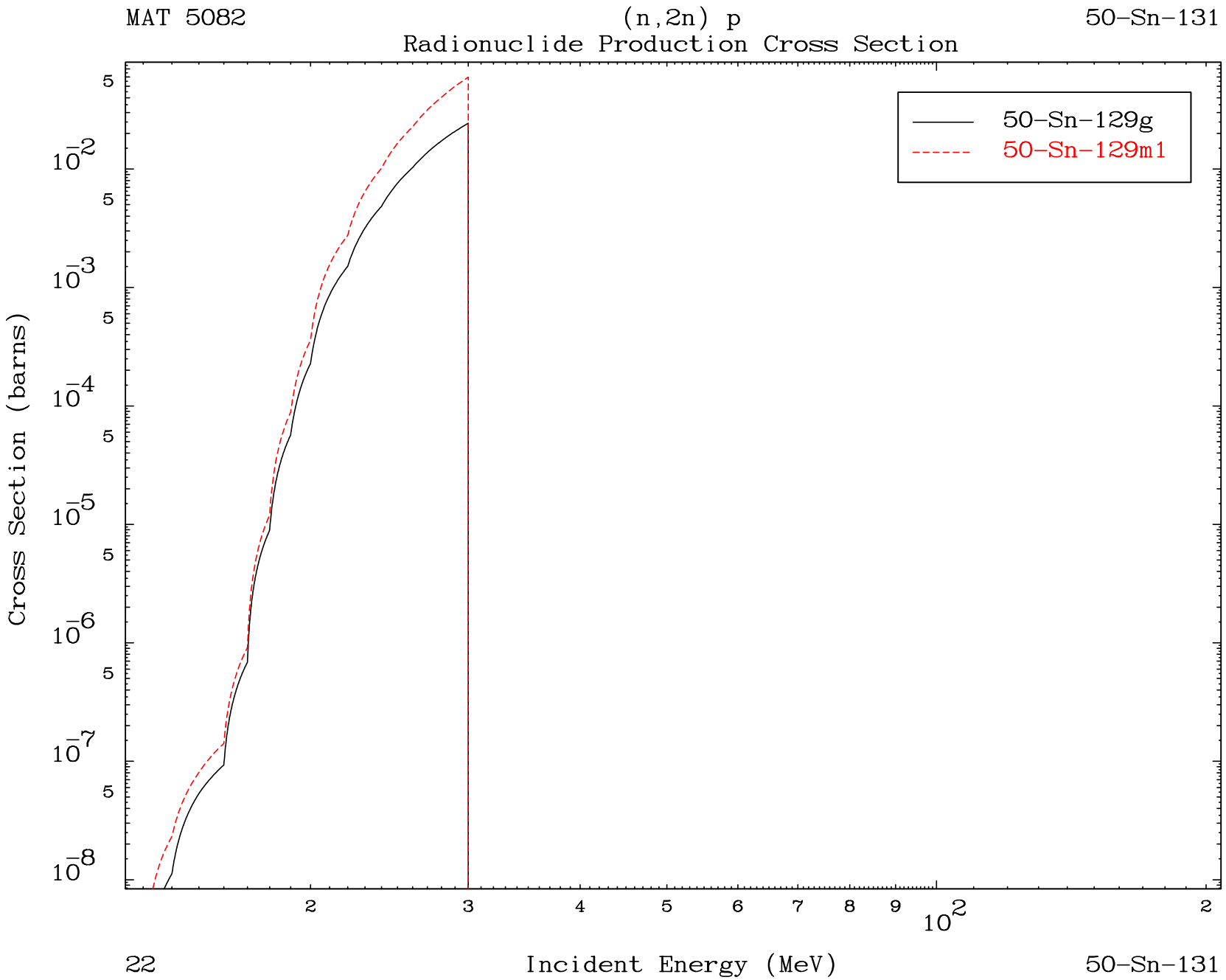

MAT 5082
(n,n') p
50-Sn-131
Radionuclide Production Cross Section
50-Sn-130g
50-Sn-130m2
Cross Section (barns)
Incident Energy (MeV)
17
50-Sn-131

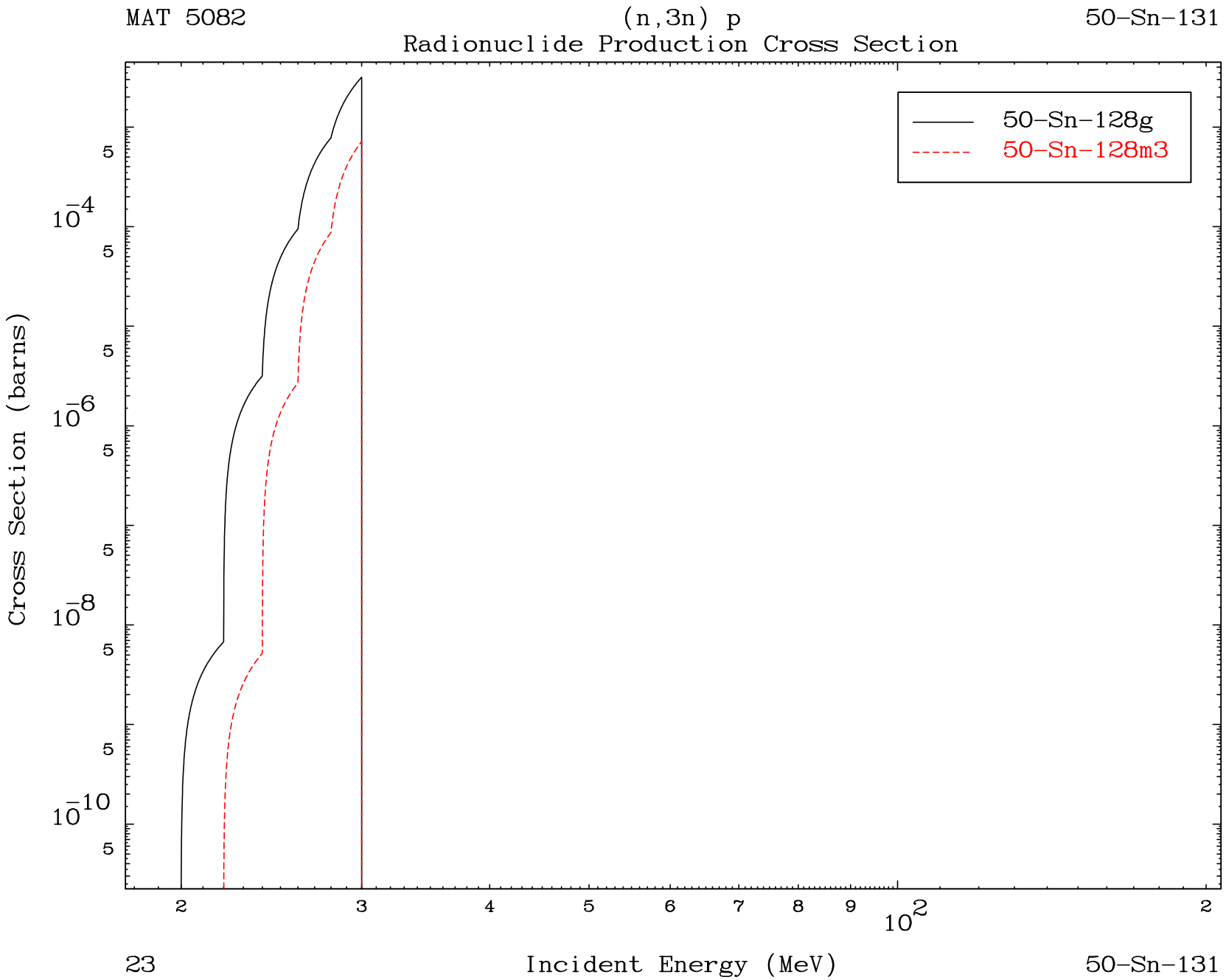

MAT 5082
(n,n') d
50-Sn-131
Radionuclide Production Cross Section
50-Sn-129g
50-Sn-129m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
50-Sn-131

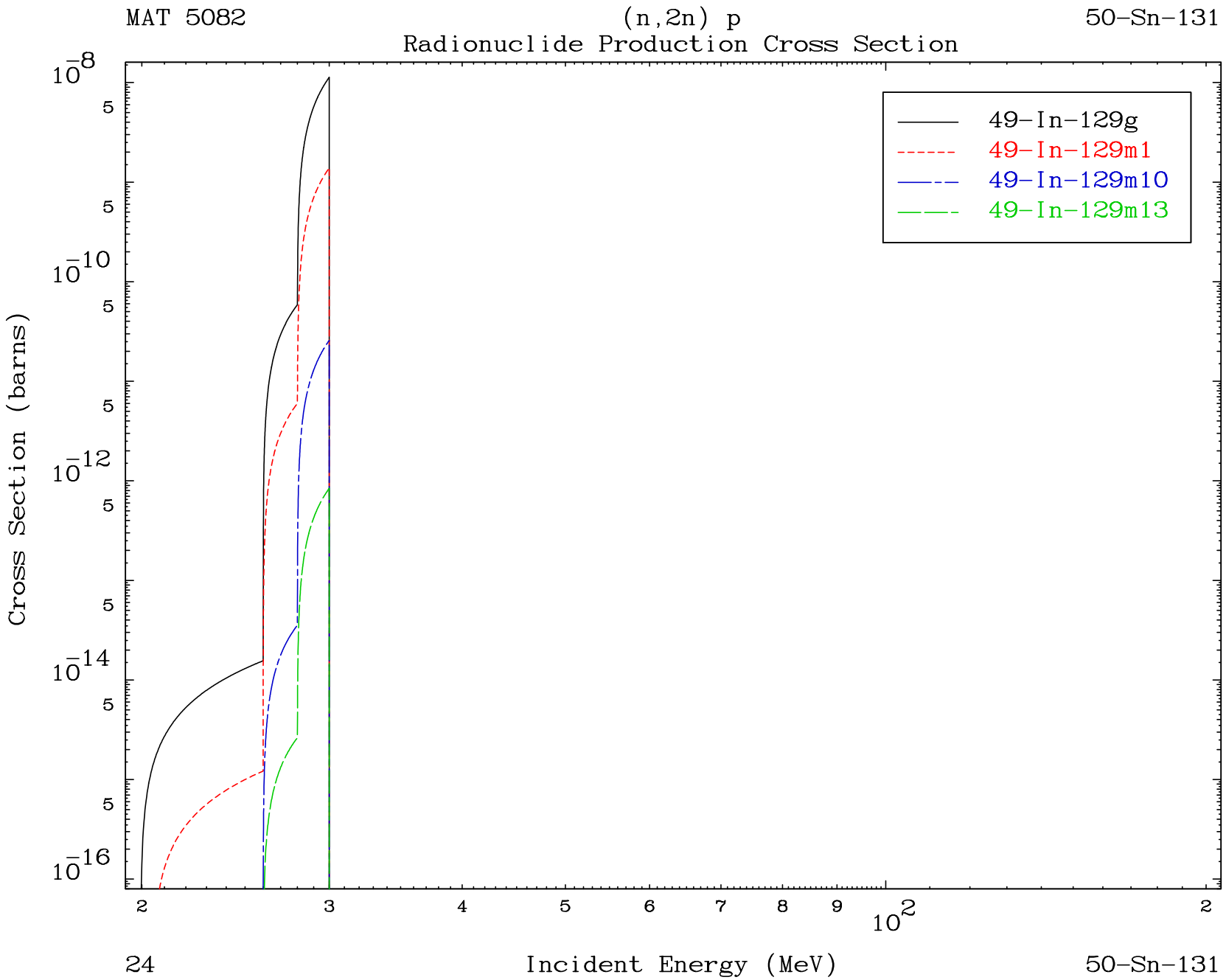

MAT 5082
(n,n') t
50-Sn-131
Radionuclide Production Cross Section
50-Sn-128g
50-Sn-128m3
Cross Section (barns)
Incident Energy (MeV)
19
50-Sn-131

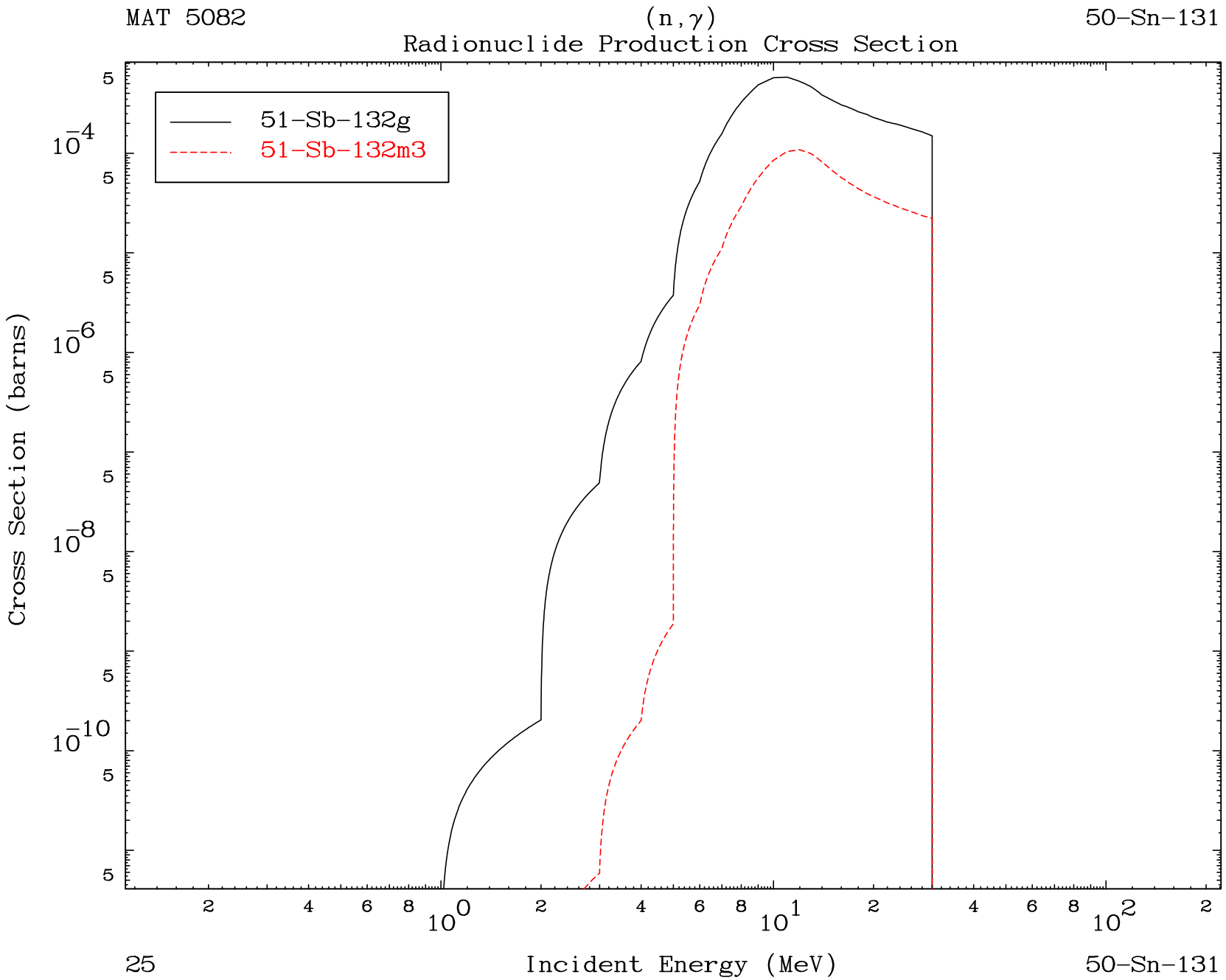

MAT 5082
(n,n') He-3
50-Sn-131
Radionuclide Production Cross Section
49-In-128g
49-In-128m3
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
20
50-Sn-131

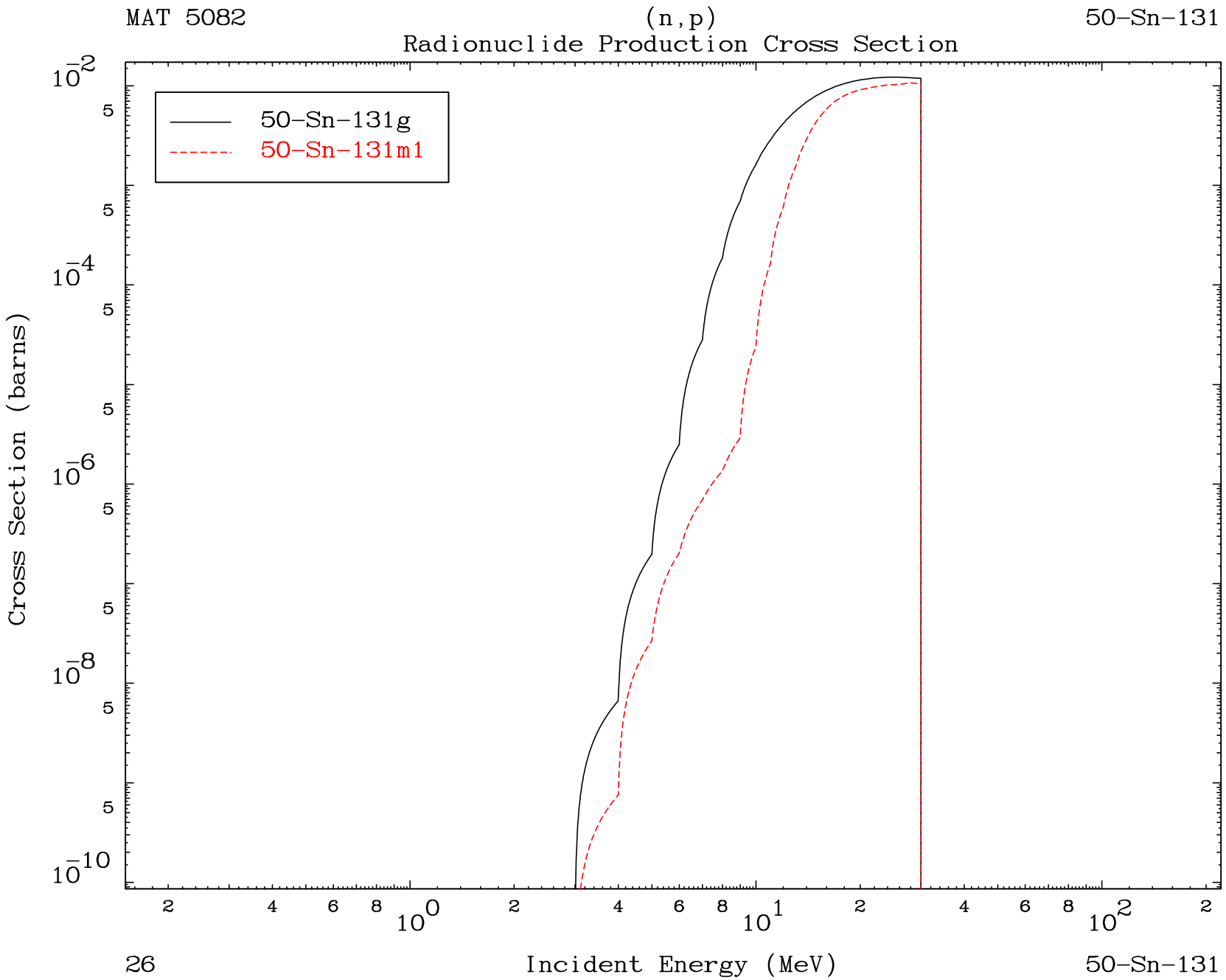

MAT 5082
(n,4n)
50-Sn-131
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
Cross Section (barns)
Incident Energy (MeV)
21
50-Sn-131

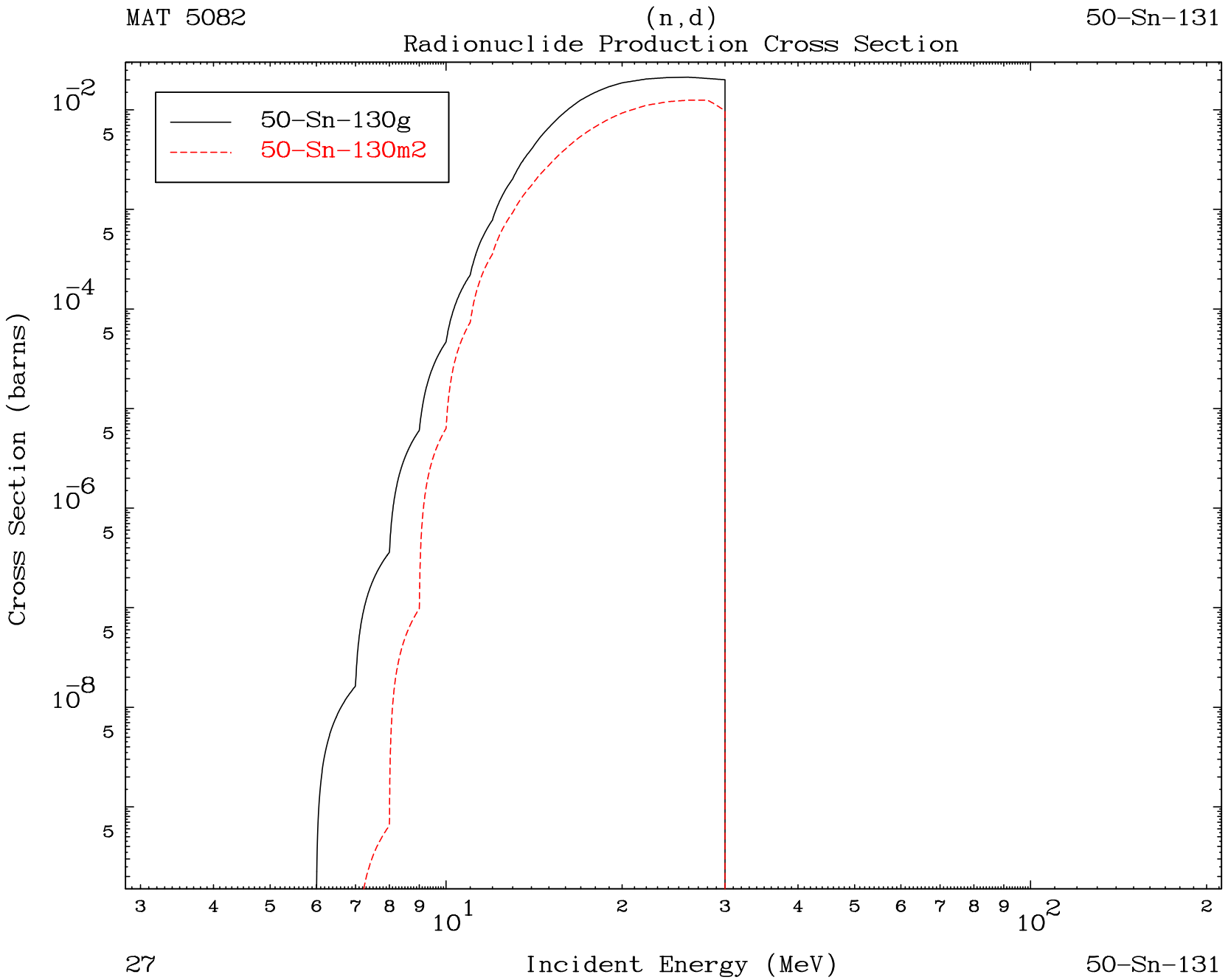

MAT 5082
(n,2n) p
50-Sn-131
Radionuclide Production Cross Section
50-Sn-129g
50-Sn-129m1
Cross Section (barns)
Incident Energy (MeV)
22
50-Sn-131

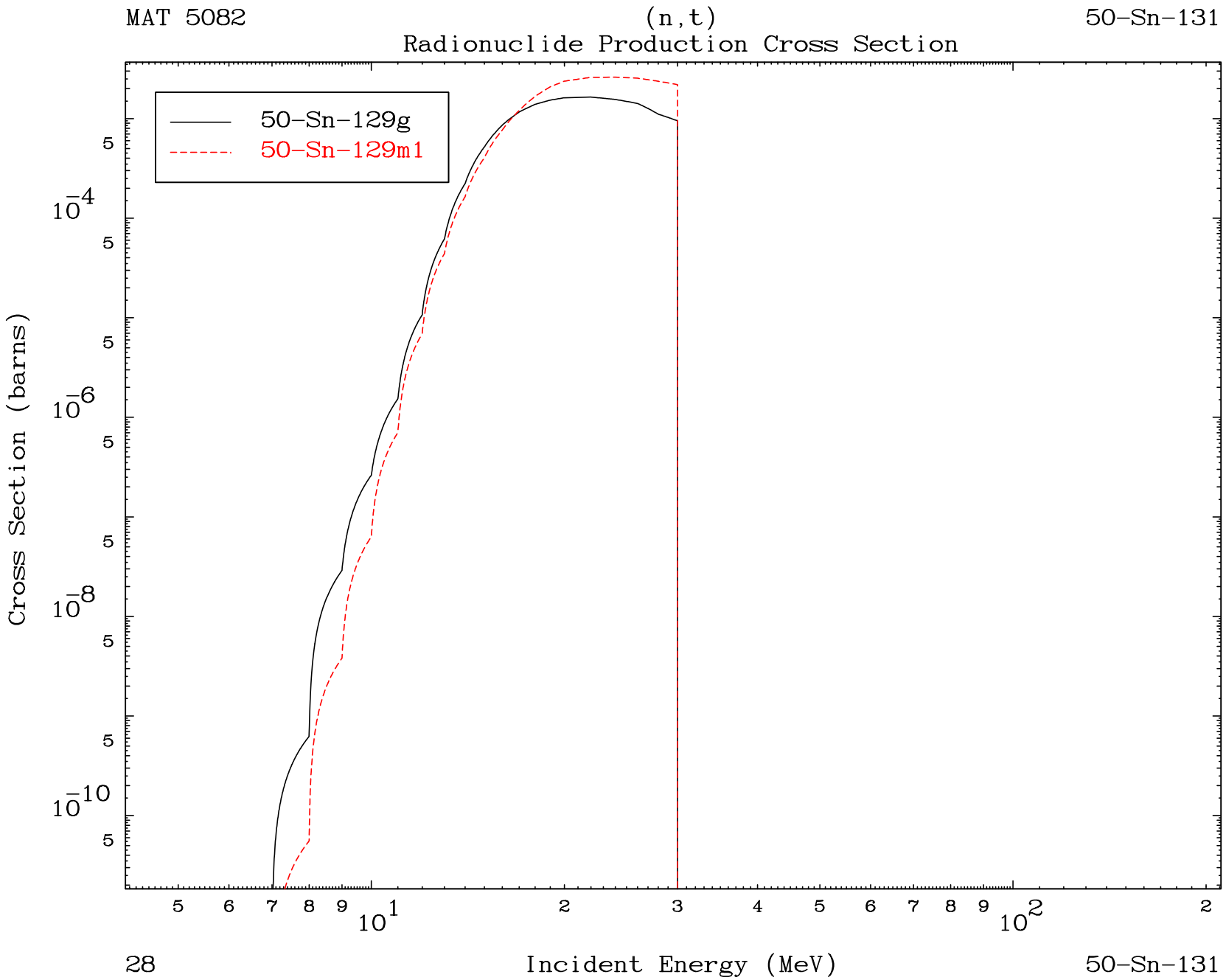

MAT 5082
(n,3n) p
50-Sn-131
Radionuclide Production Cross Section
50-Sn-128g
50-Sn-128m3
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
23
Incident Energy (MeV)
50-Sn-131

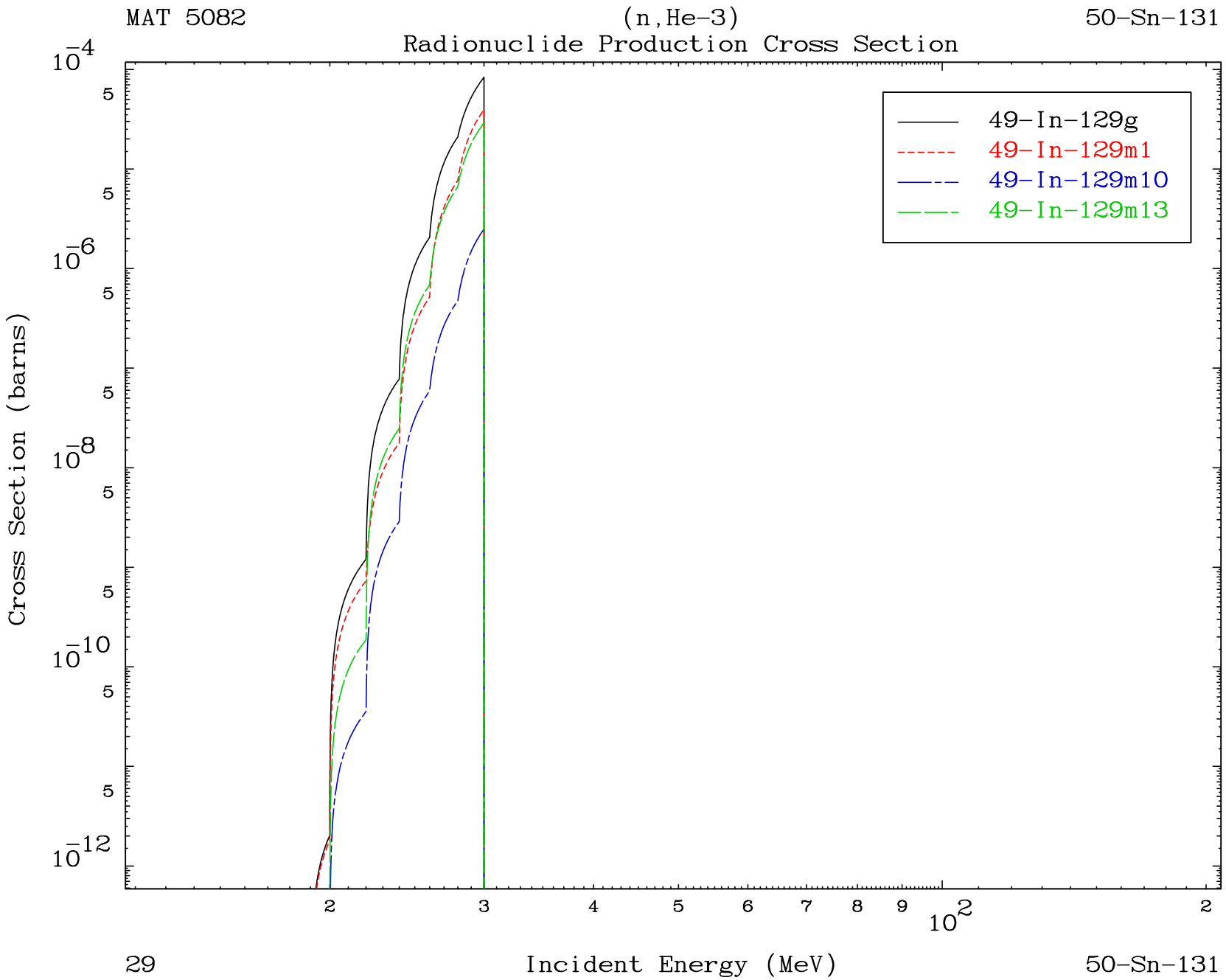

MAT 5082
(n,2n) p
50-Sn-131
Radionuclide Production Cross Section
Cross Section (barns)
10-8
5
10-10
5
10-12
5
10-14
5
10-16
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
49-In-129g
49-In-129m1
49-In-129m10
49-In-129m13
24
50-Sn-131

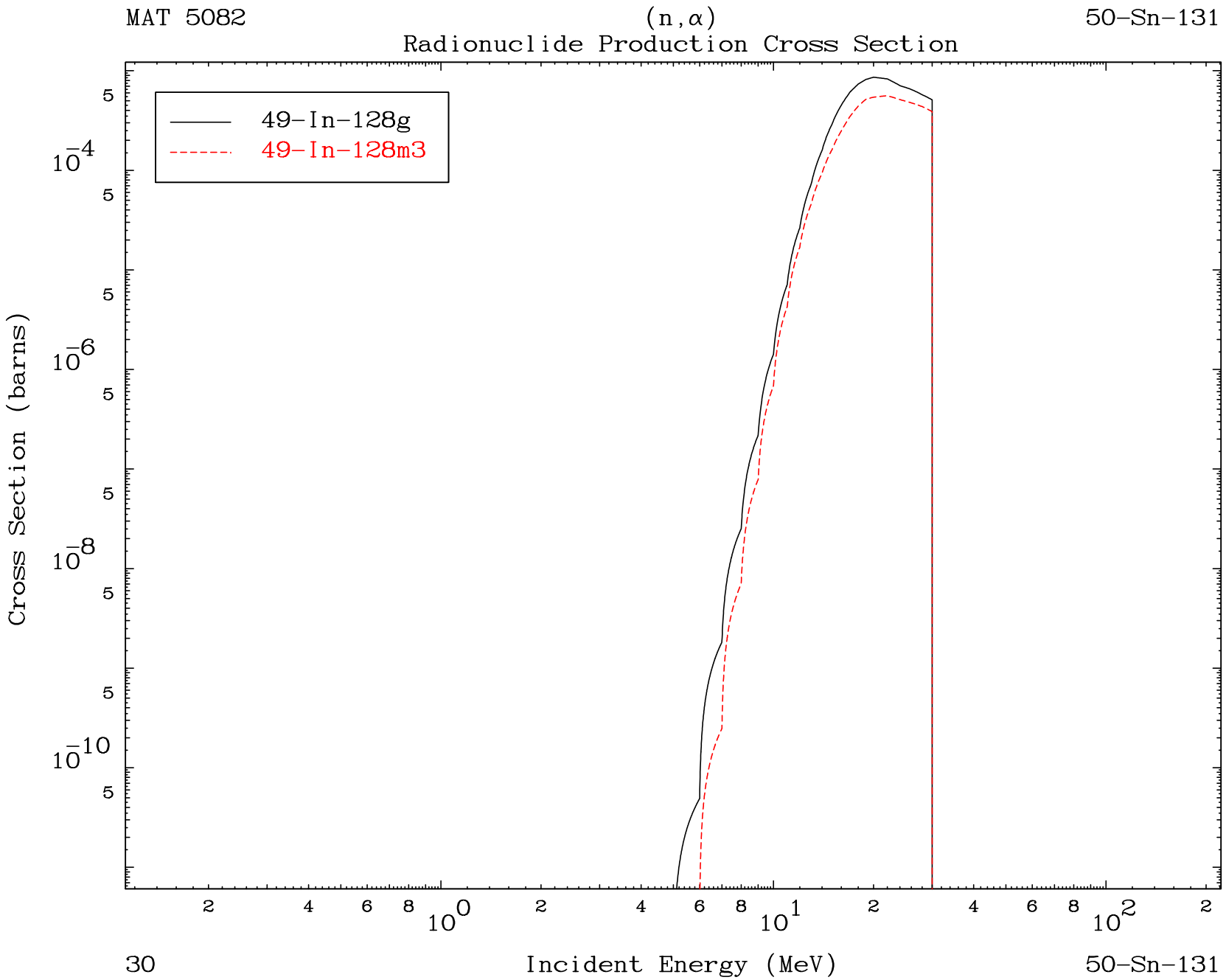

MAT 5082
(n,γ)
50-Sn-131
Radionuclide Production Cross Section
51-Sb-132g
51-Sb-132m3
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
25
50-Sn-131

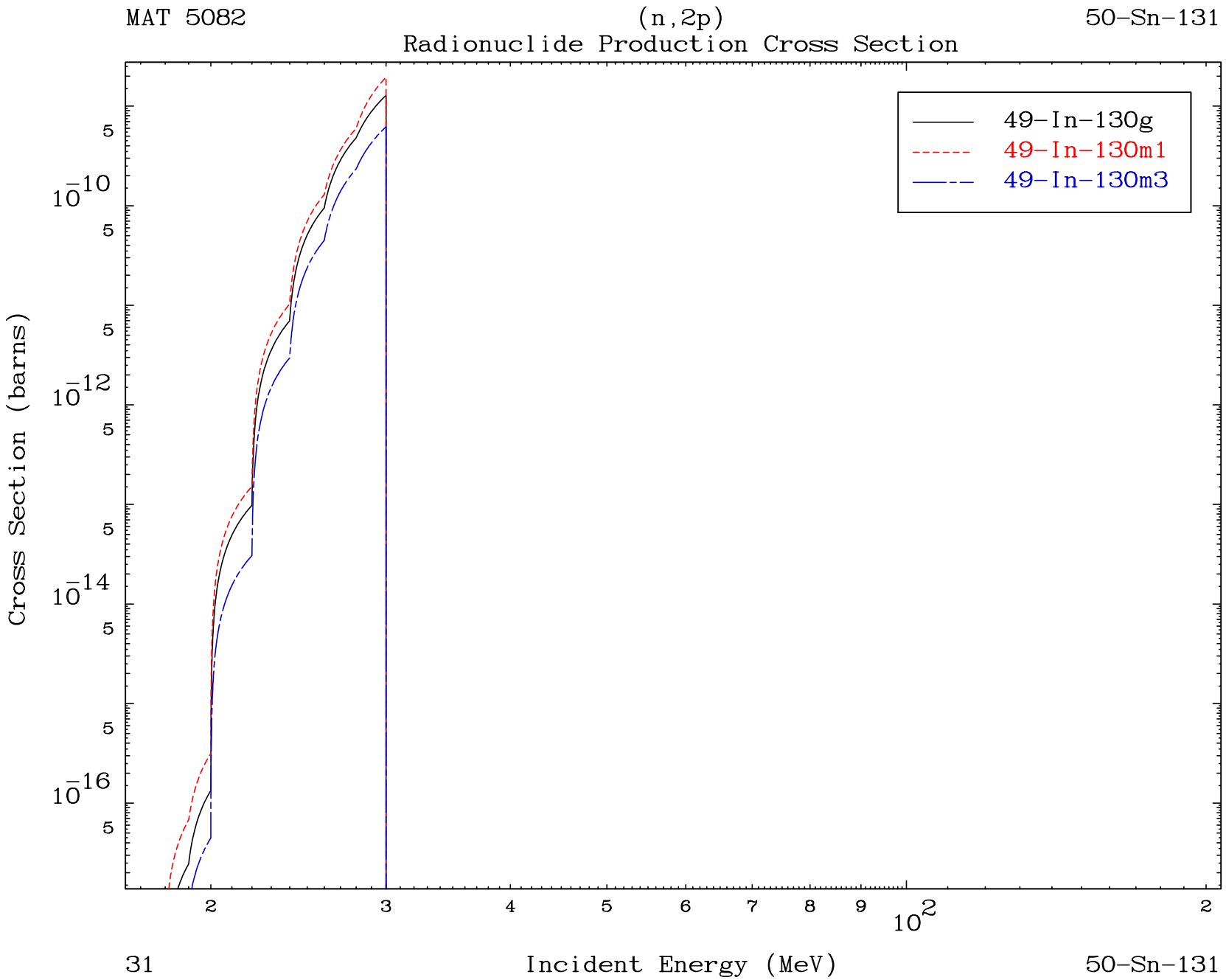

MAT 5082
(n,p)
50-Sn-131
Radionuclide Production Cross Section
50-Sn-131g
50-Sn-131m1
Cross Section (barns)
Incident Energy (MeV)
26
50-Sn-131


MAT 5082
(n,d)
50-Sn-131
Radionuclide Production Cross Section
50-Sn-130g
50-Sn-130m2
Cross Section (barns)
Incident Energy (MeV)
27
50-Sn-131


MAT 5082
(n,t)
50-Sn-131
Radionuclide Production Cross Section
50-Sn-129g
50-Sn-129m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
28
Incident Energy (MeV)
50-Sn-131


MAT 5082
(n,He-3)
50-Sn-131
Radionuclide Production Cross Section
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
49-In-129g
49-In-129m1
49-In-129m10
49-In-129m13
29
Incident Energy (MeV)
50-Sn-131


MAT 5082
(n,α)
50-Sn-131
Radionuclide Production Cross Section
49-In-128g
49-In-128m3
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
30
50-Sn-131


MAT 5082
(n,2p)
50-Sn-131
Radionuclide Production Cross Section
49-In-130g
49-In-130m1
49-In-130m3
Cross Section (barns)
10-10
10-12
10-14
10-16
2
3
4
5
6
7
8
9
10 2
2
31
Incident Energy (MeV)
50-Sn-131