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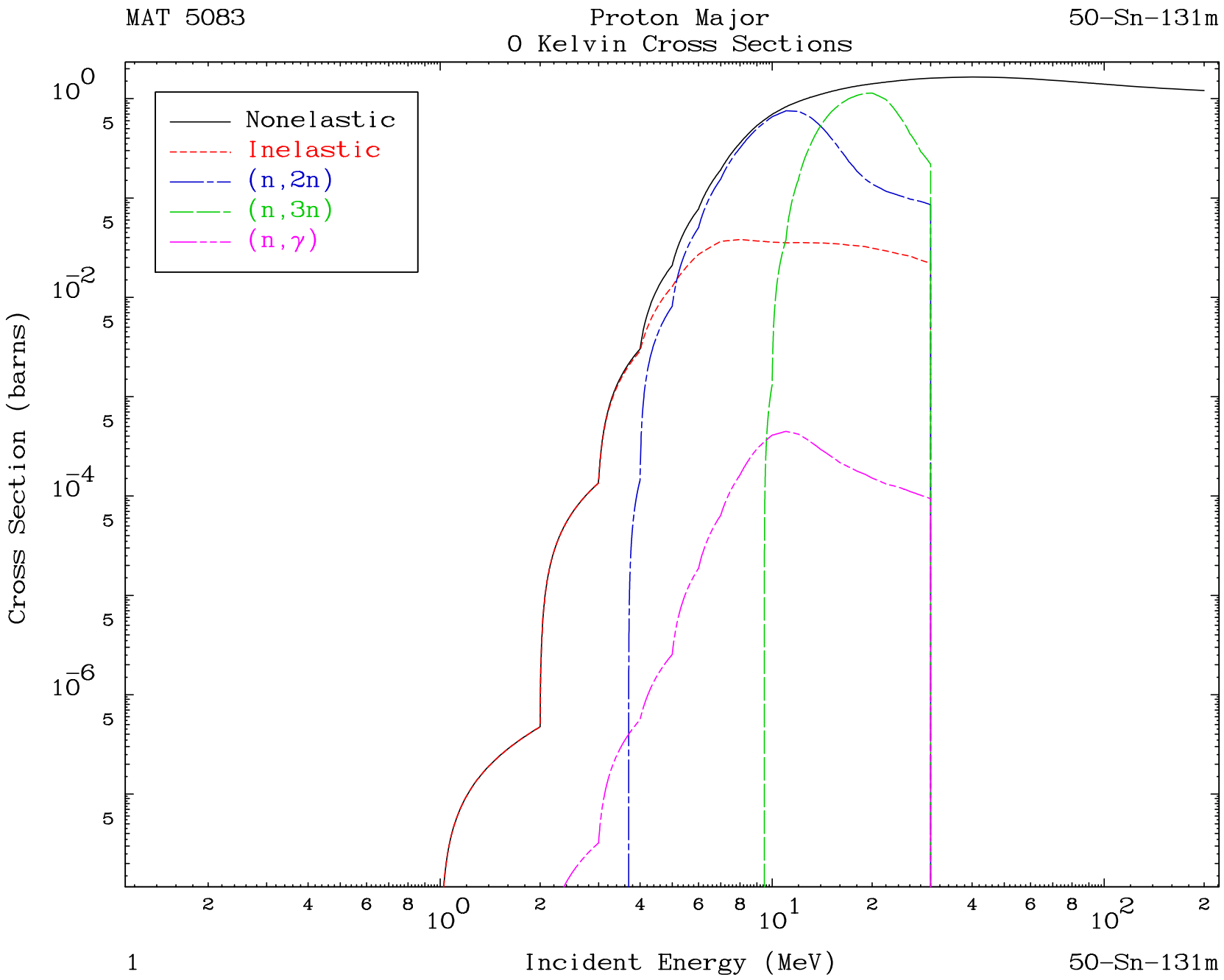
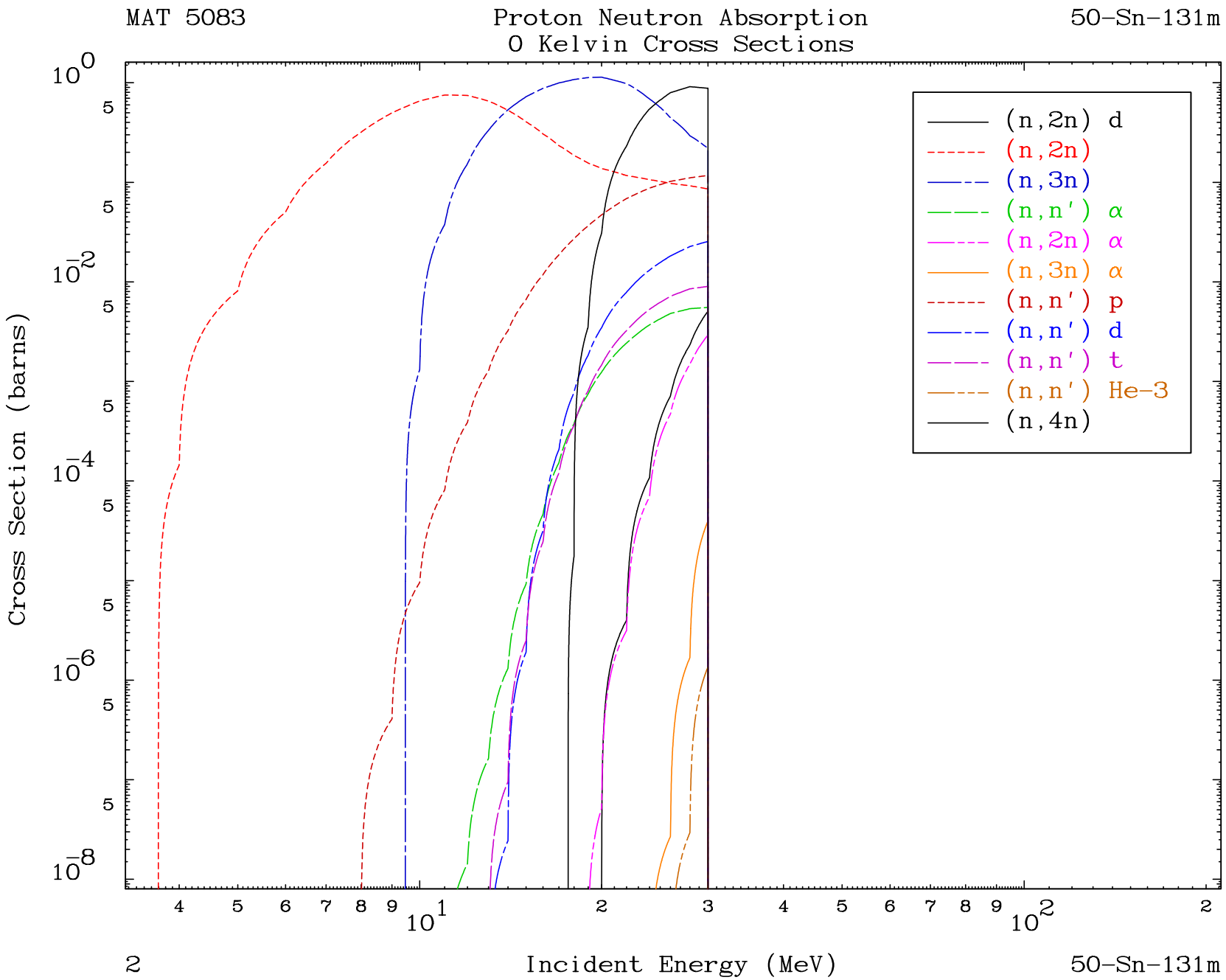
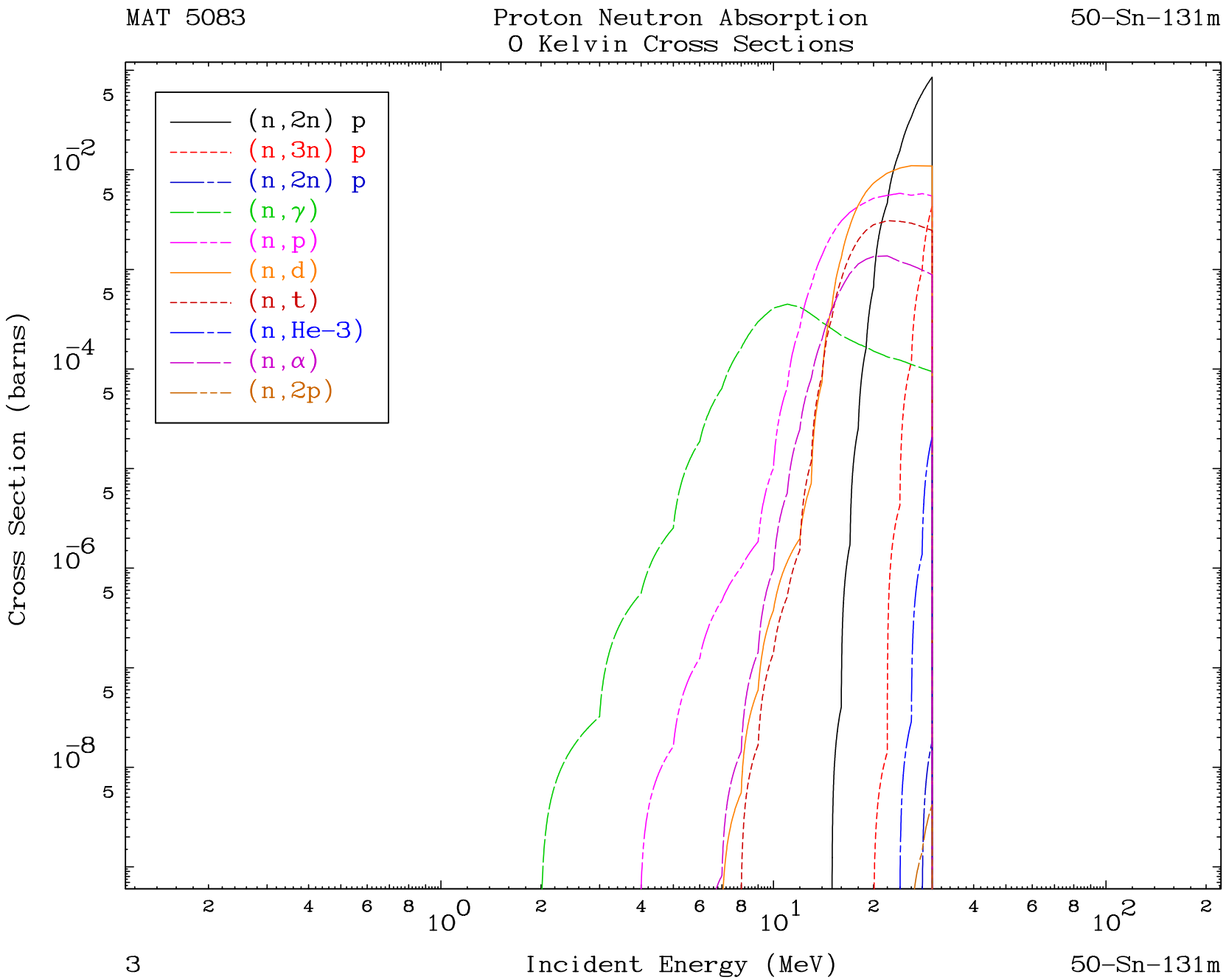
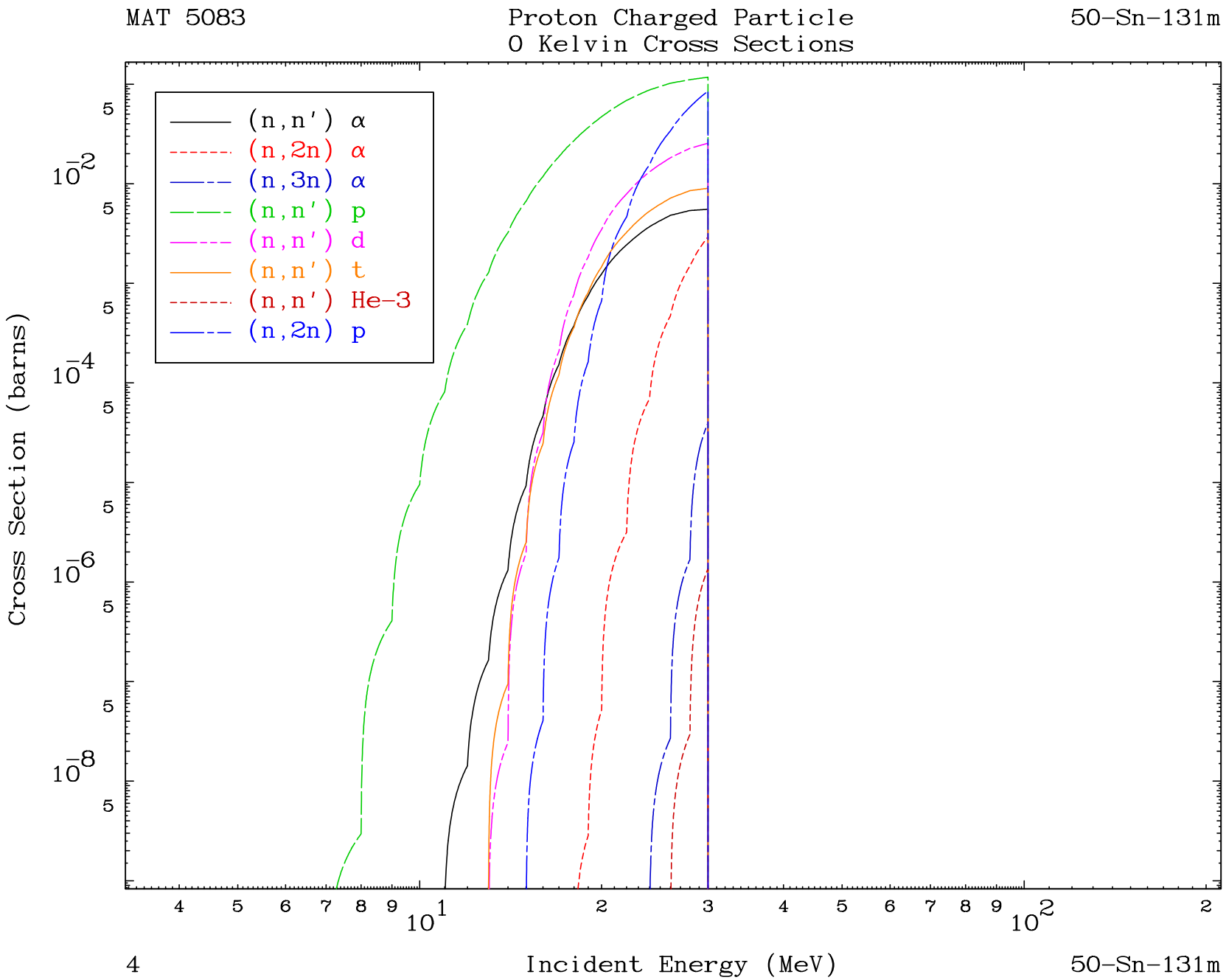
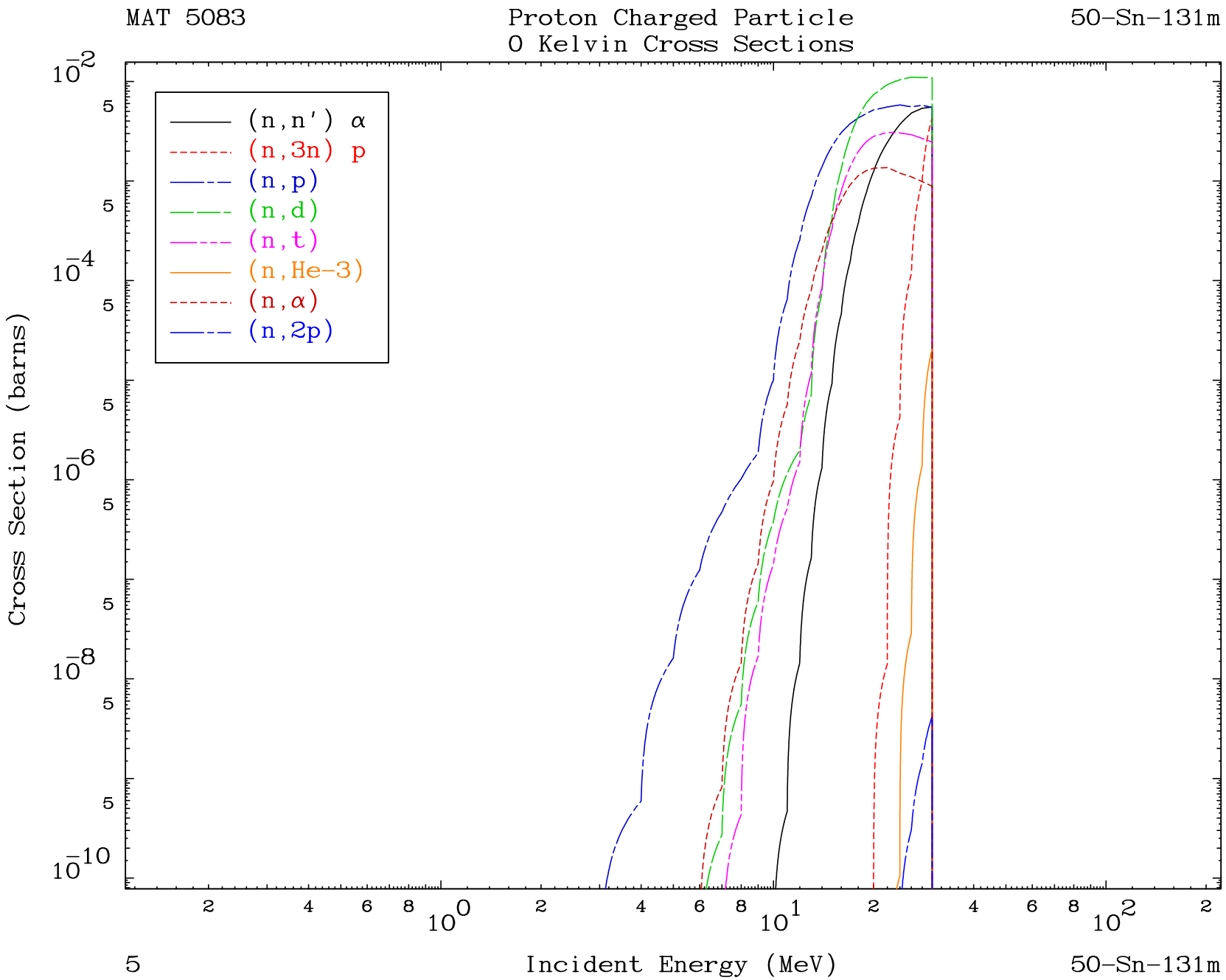
Press Mouse Button to Start

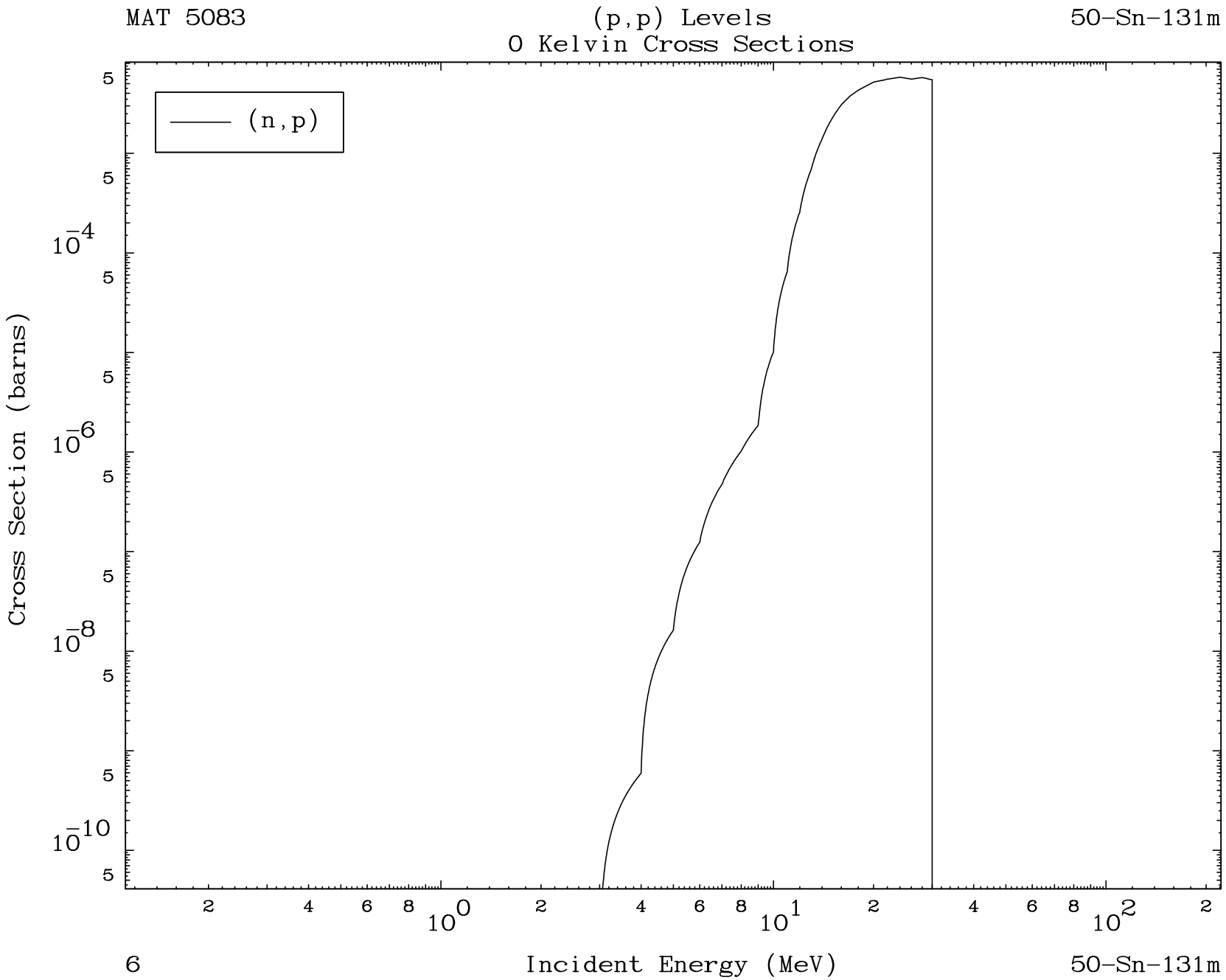

MAT 5083
Proton Major
50-Sn-131m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-131m
1

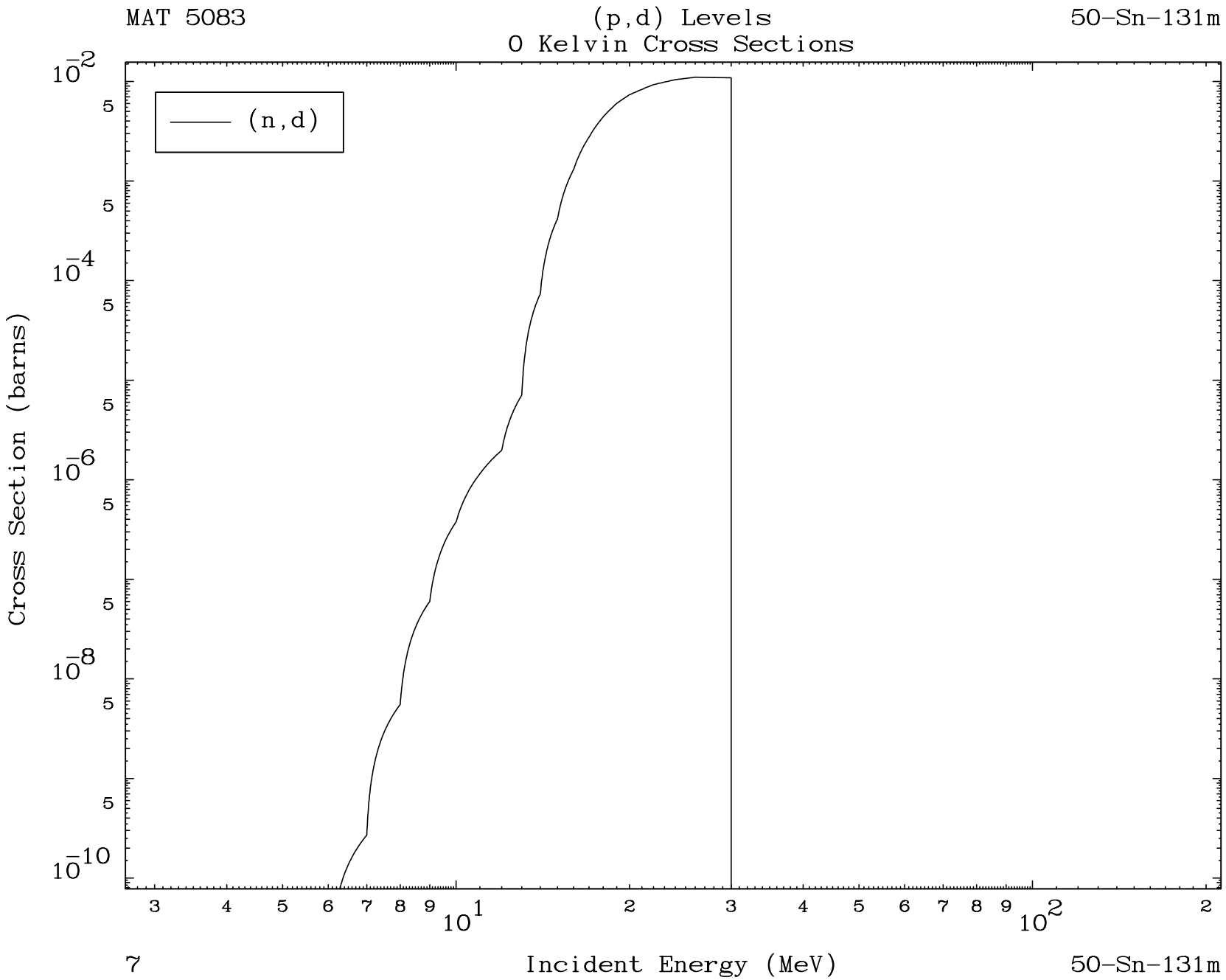

MAT 5083
Proton Neutron Absorption
0 Kelvin Cross Sections
50-Sn-131m
Cross Section (barns)
Incident Energy (MeV)
50-Sn-131m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)

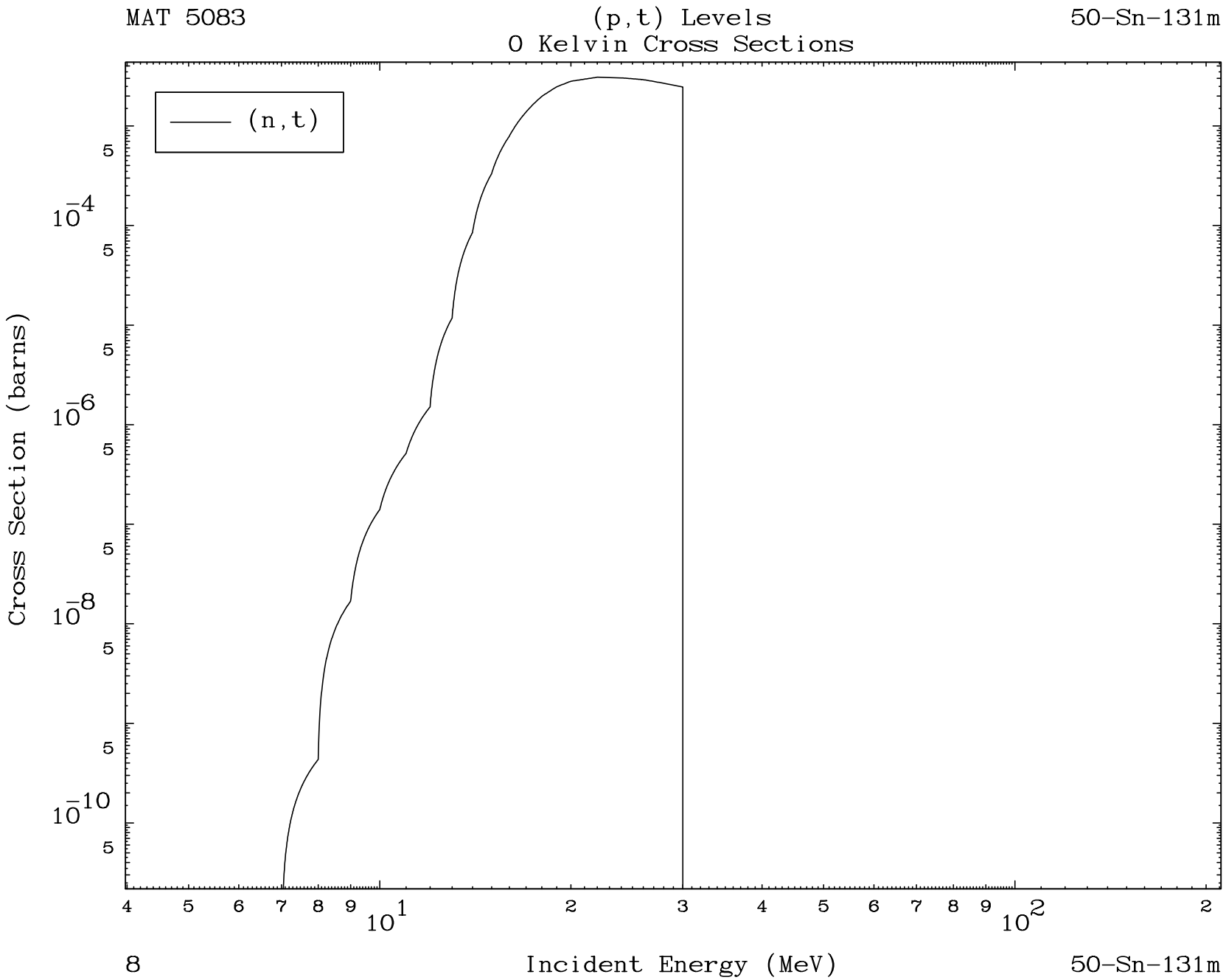

MAT 5083
Proton Neutron Absorption
0 Kelvin Cross Sections
50-Sn-131m
(n,2n) p
(n,3n) p
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-131m


MAT 5083
Proton Charged Particle
0 Kelvin Cross Sections
50-Sn-131m
(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-131m

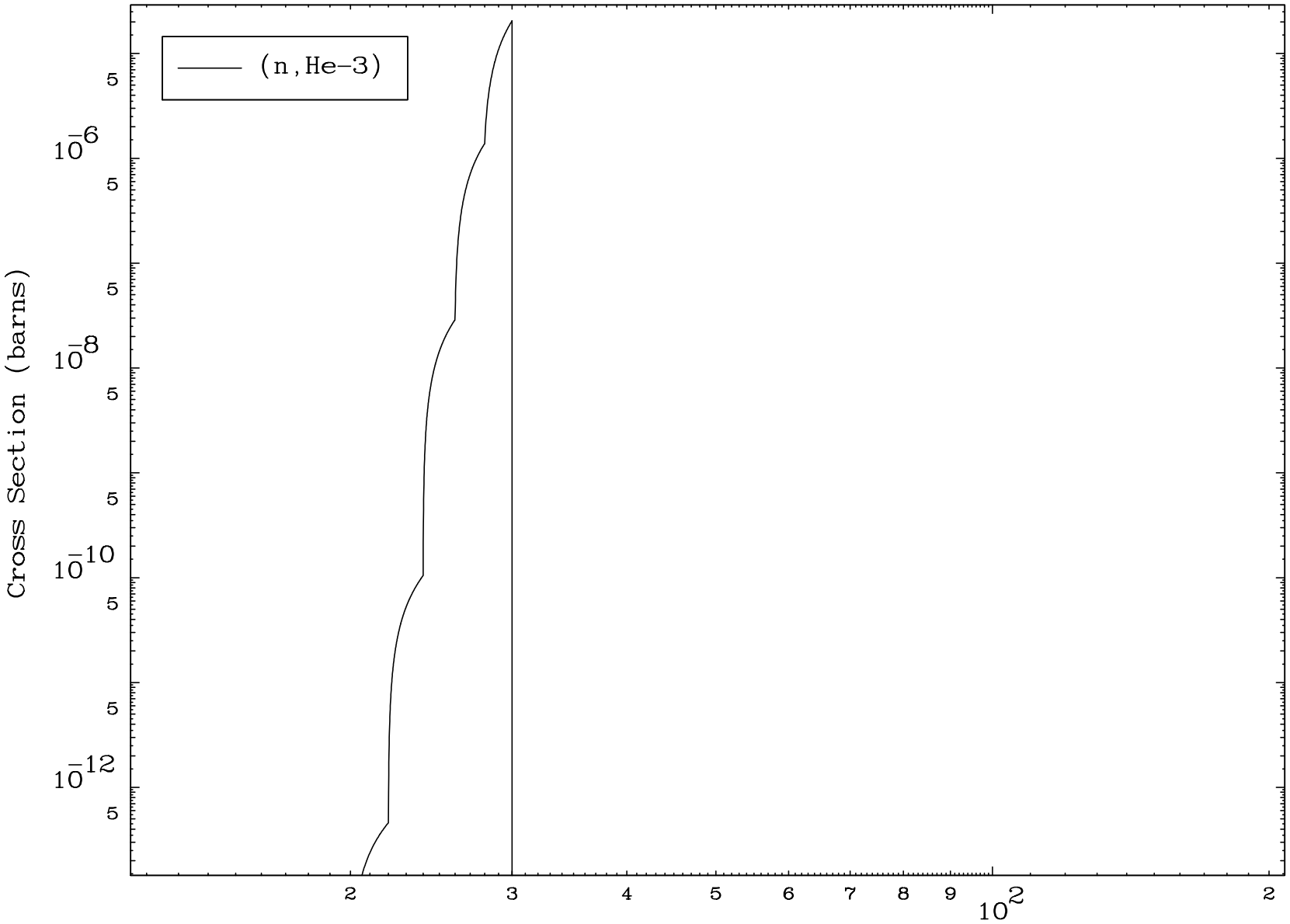

MAT 5083
Proton Charged Particle
0 Kelvin Cross Sections
50-Sn-131m
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-131m

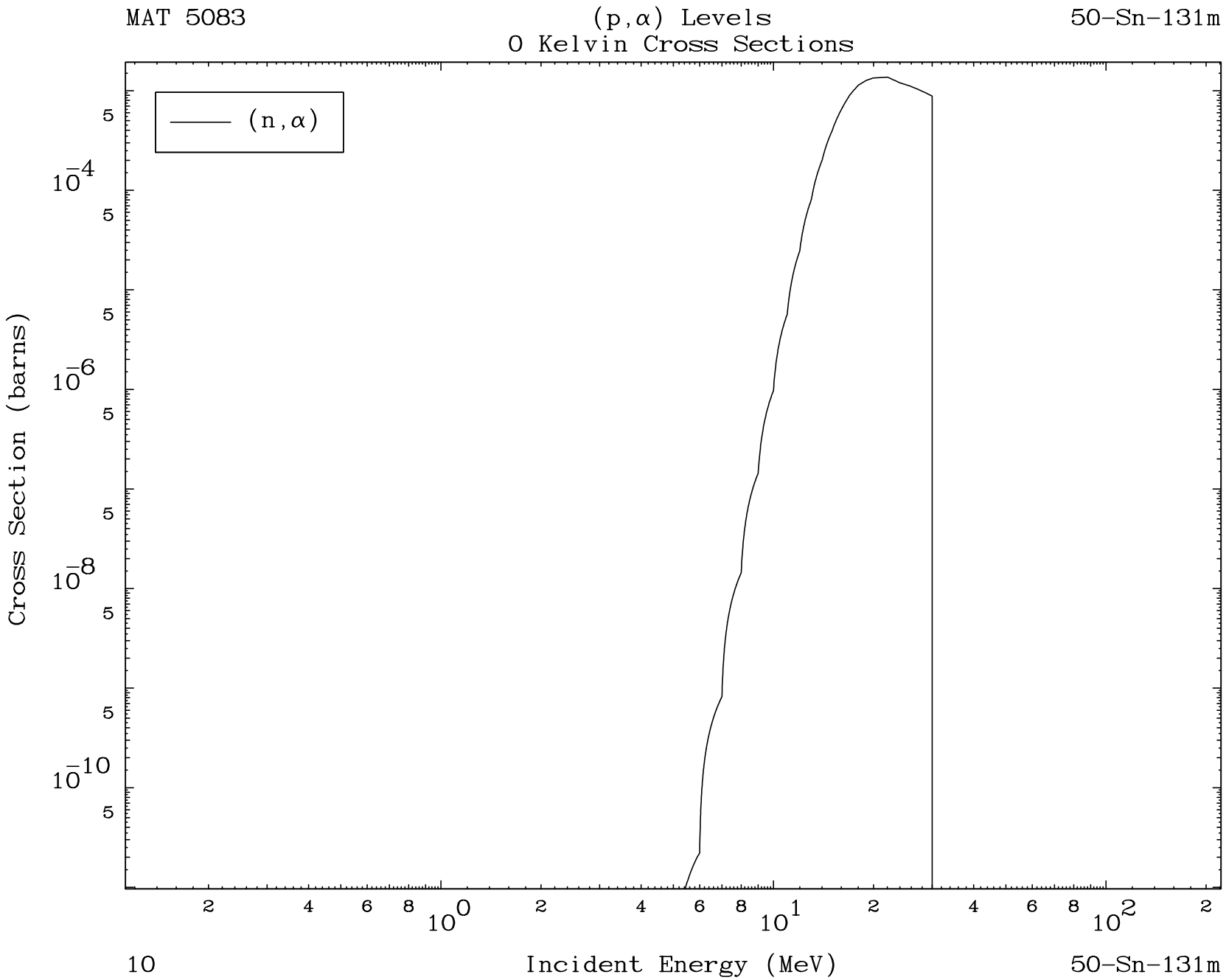

MAT 5083
(p,p) Levels
50-Sn-131m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
6
50-Sn-131m

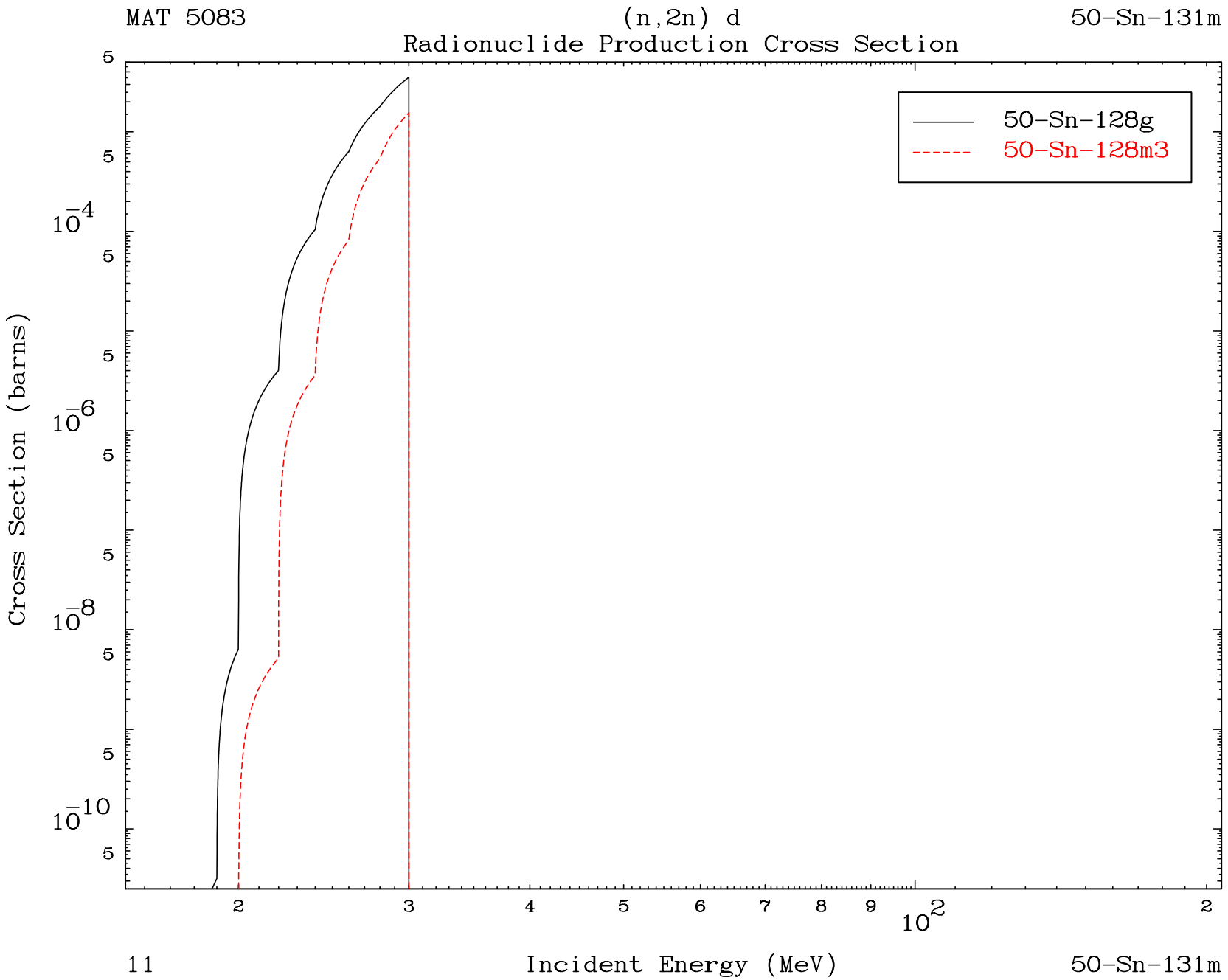

MAT 5083
(p,d) Levels
50-Sn-131m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
7
50-Sn-131m

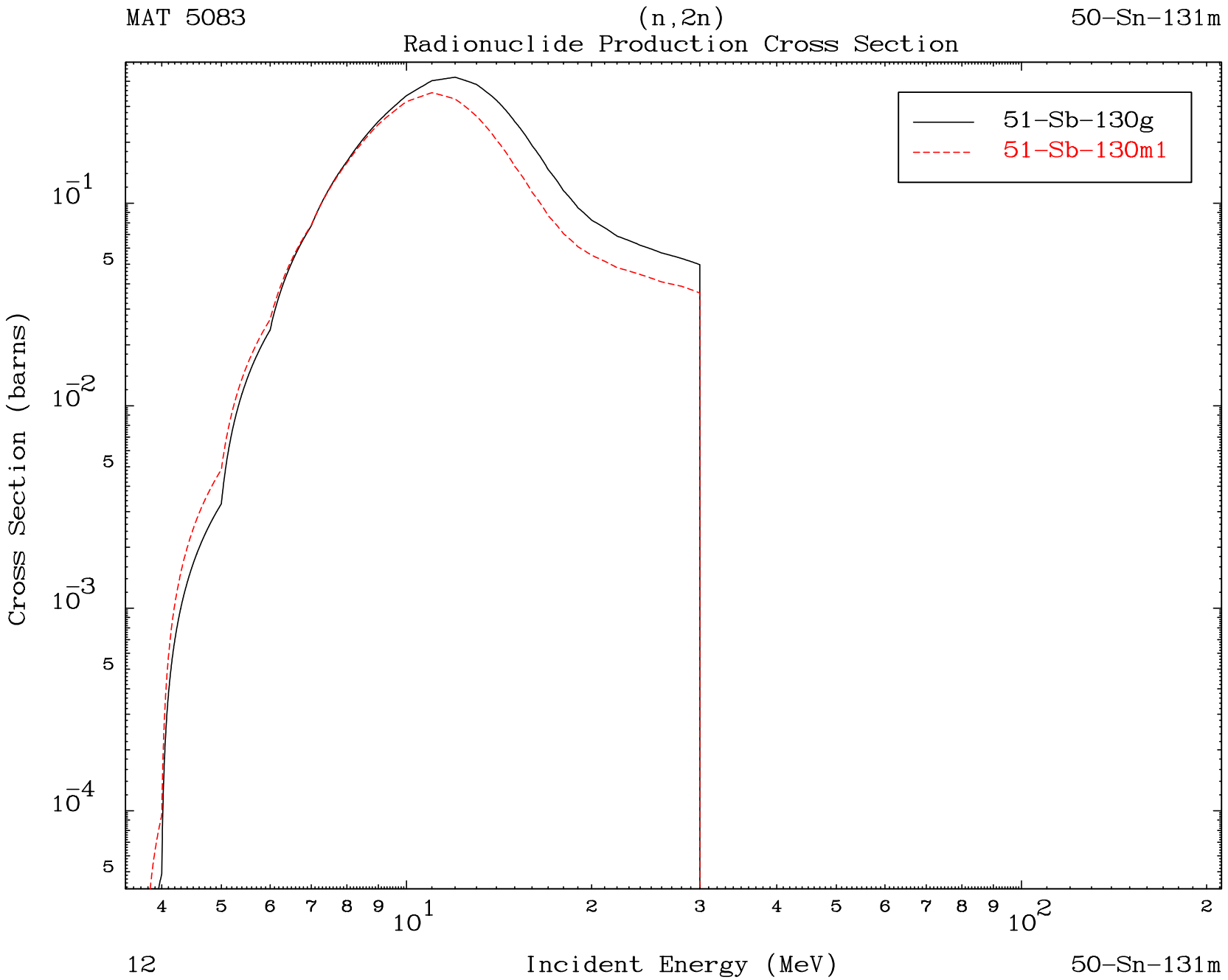

MAT 5083
(p,t) Levels
50-Sn-131m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
8
50-Sn-131m

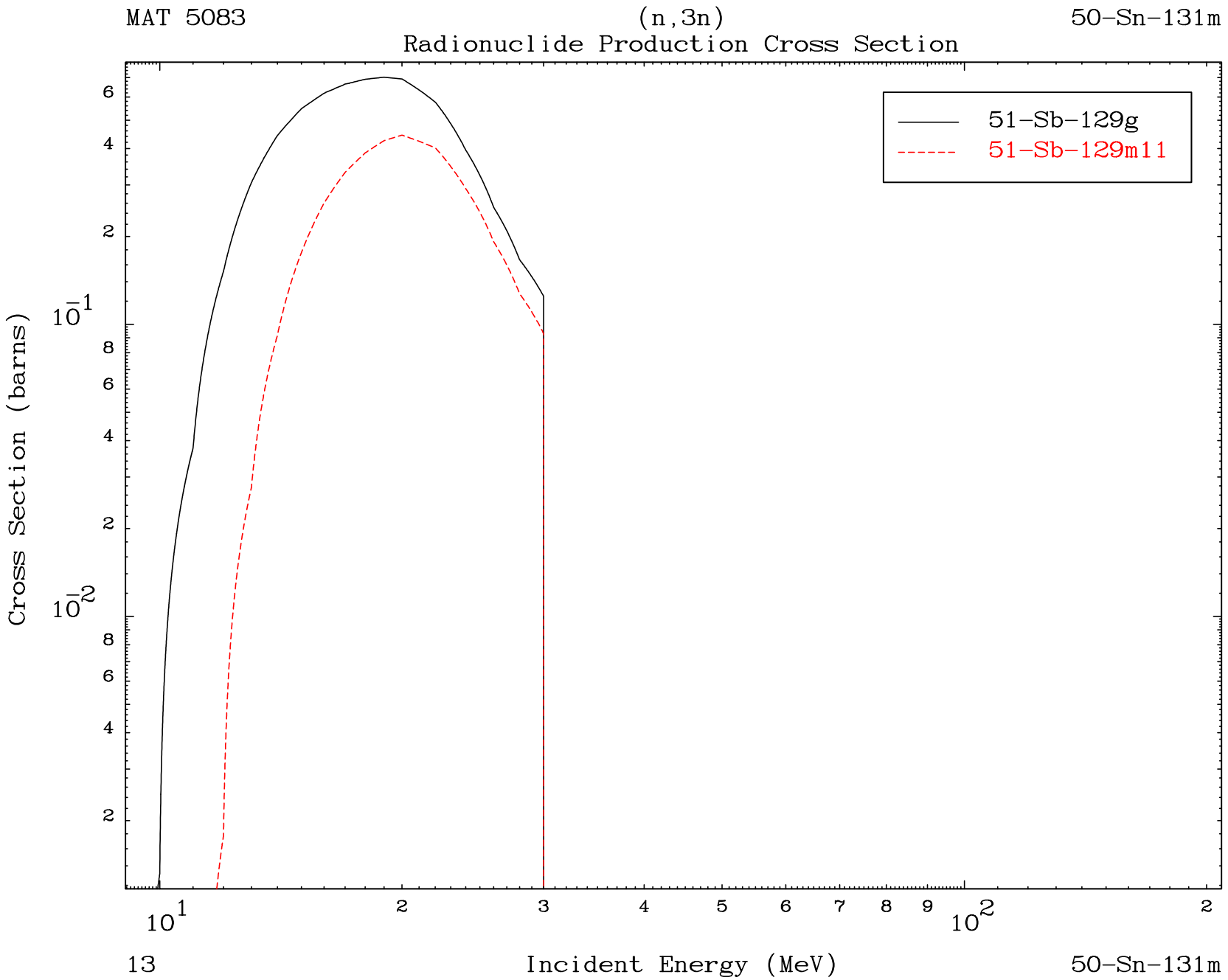
0 Kelvin Cross Sections

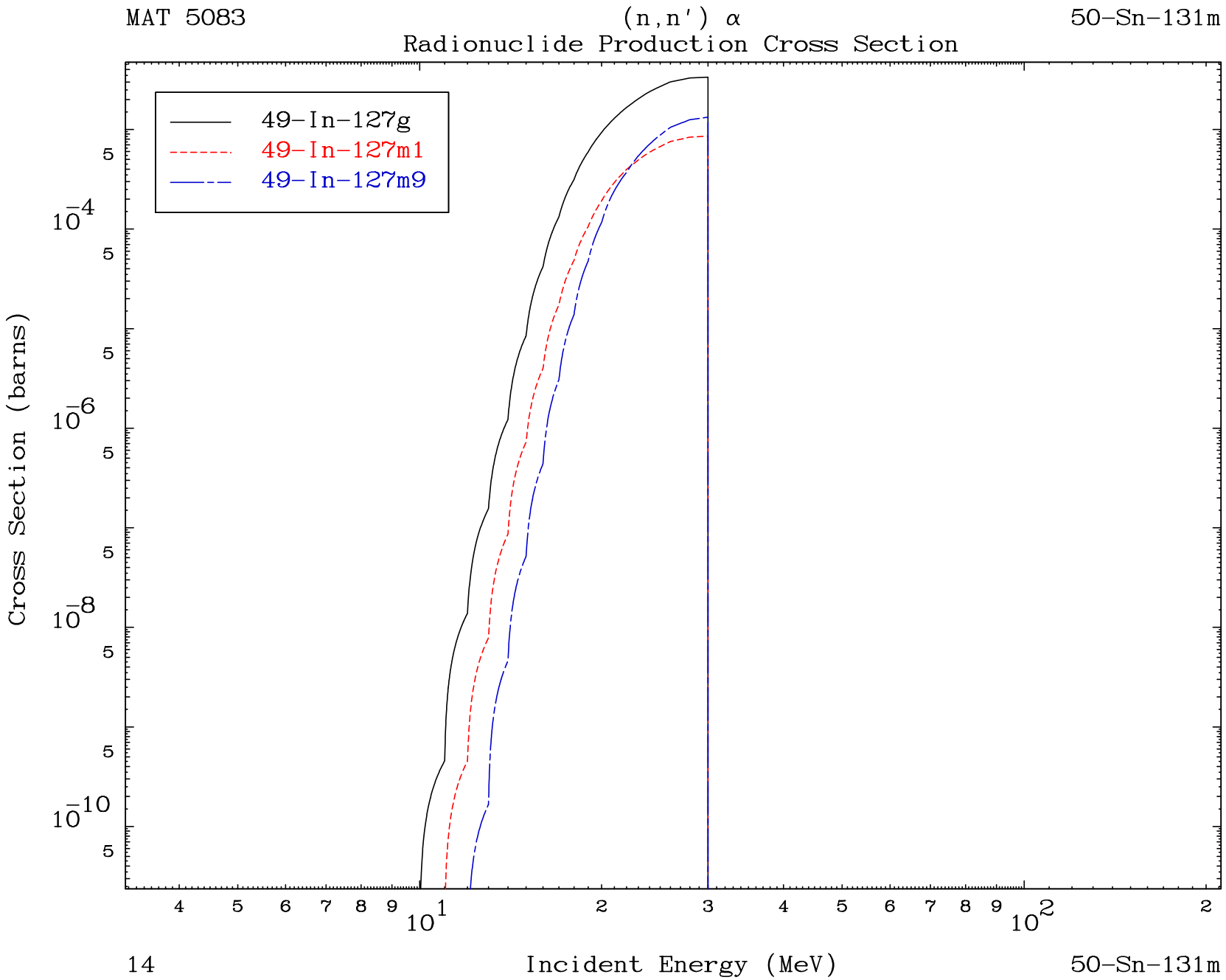


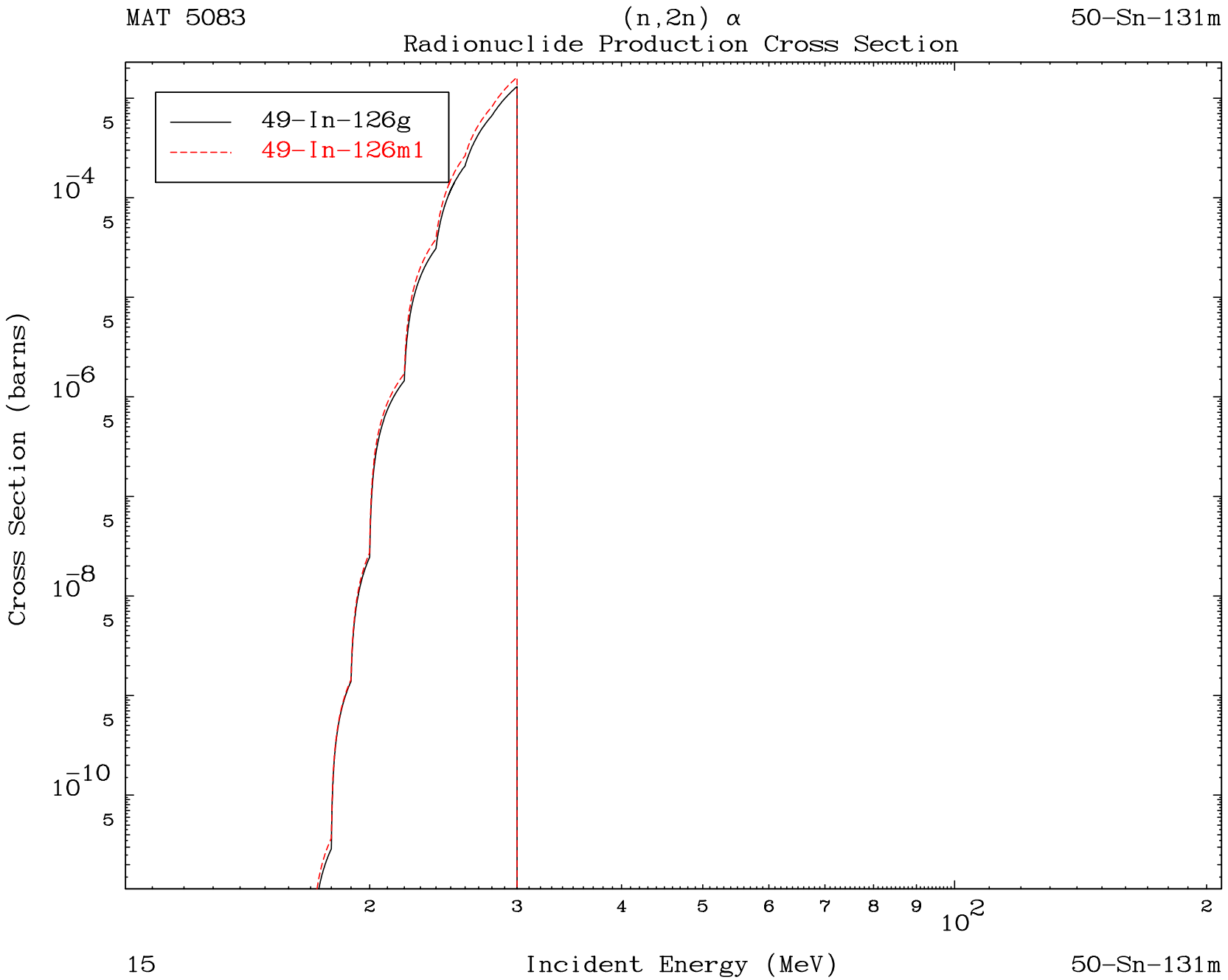

MAT 5083
(p,α) Levels
50-Sn-131m
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
10
Incident Energy (MeV)
50-Sn-131m

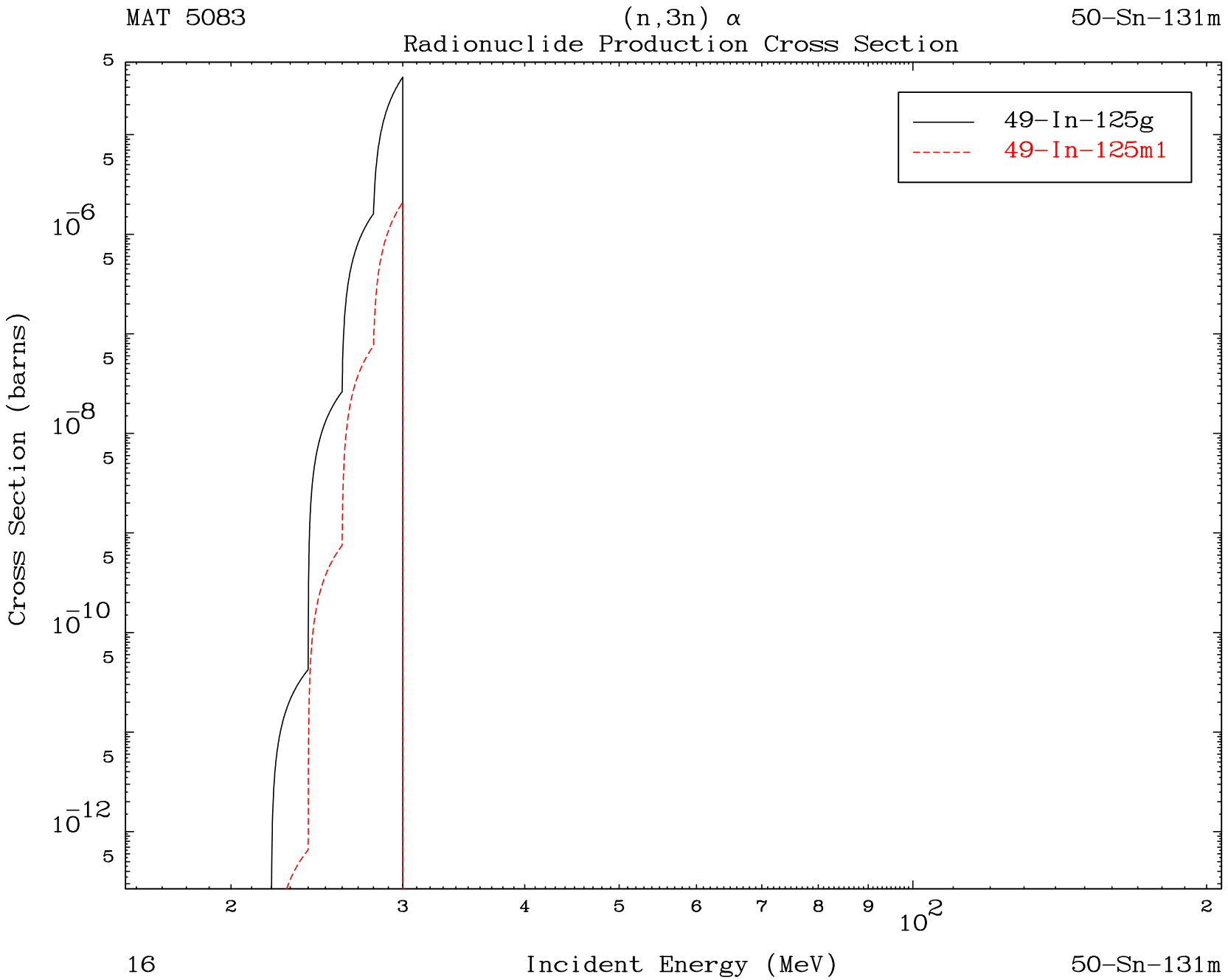

MAT 5083
(n,2n) d
50-Sn-131m
Radionuclide Production Cross Section
50-Sn-128g
50-Sn-128m3
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
11
50-Sn-131m

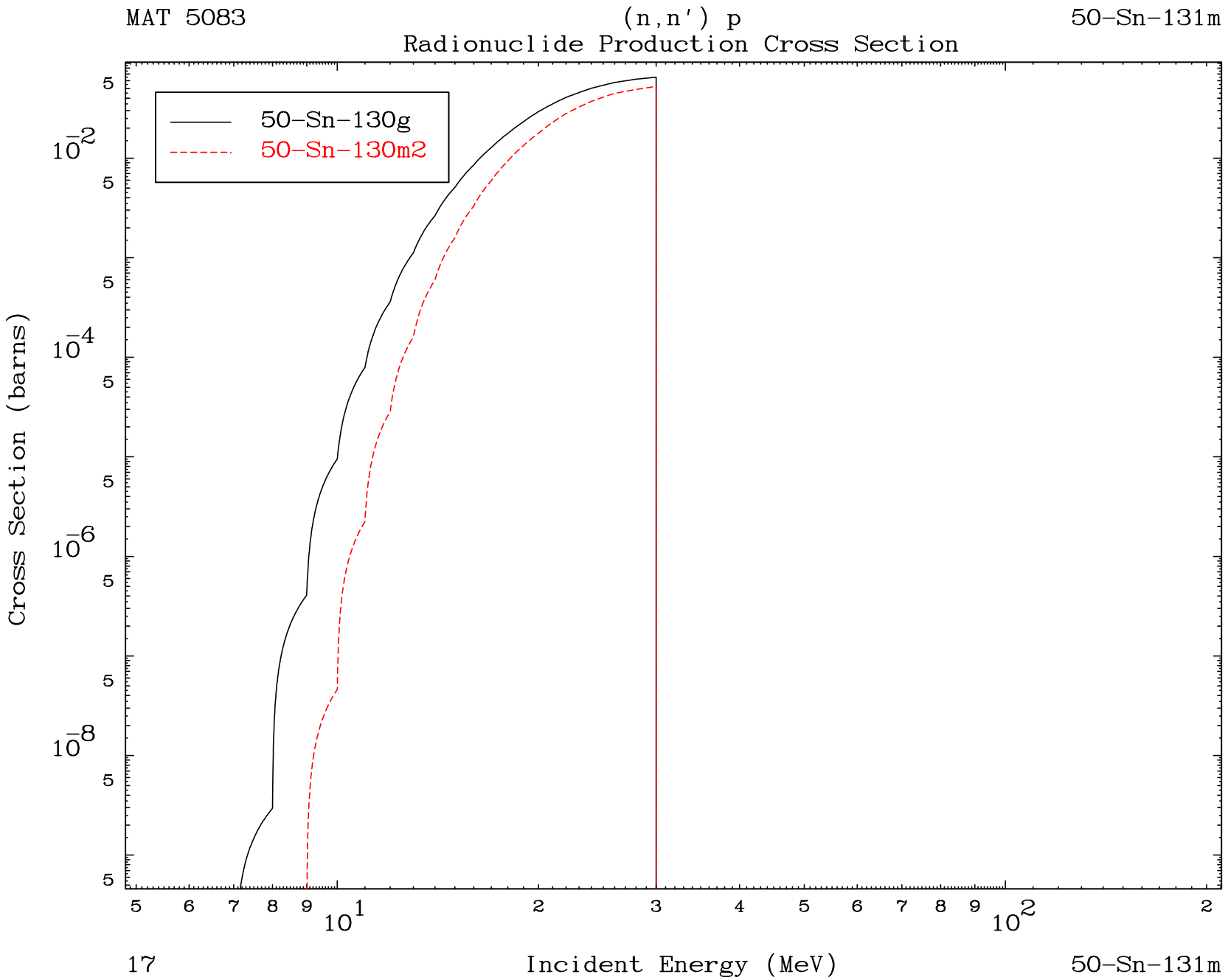

MAT 5083
(n,2n)
50-Sn-131m
Radionuclide Production Cross Section
51-Sb-130g
51-Sb-130m1
Cross Section (barns)
Incident Energy (MeV)
12
50-Sn-131m

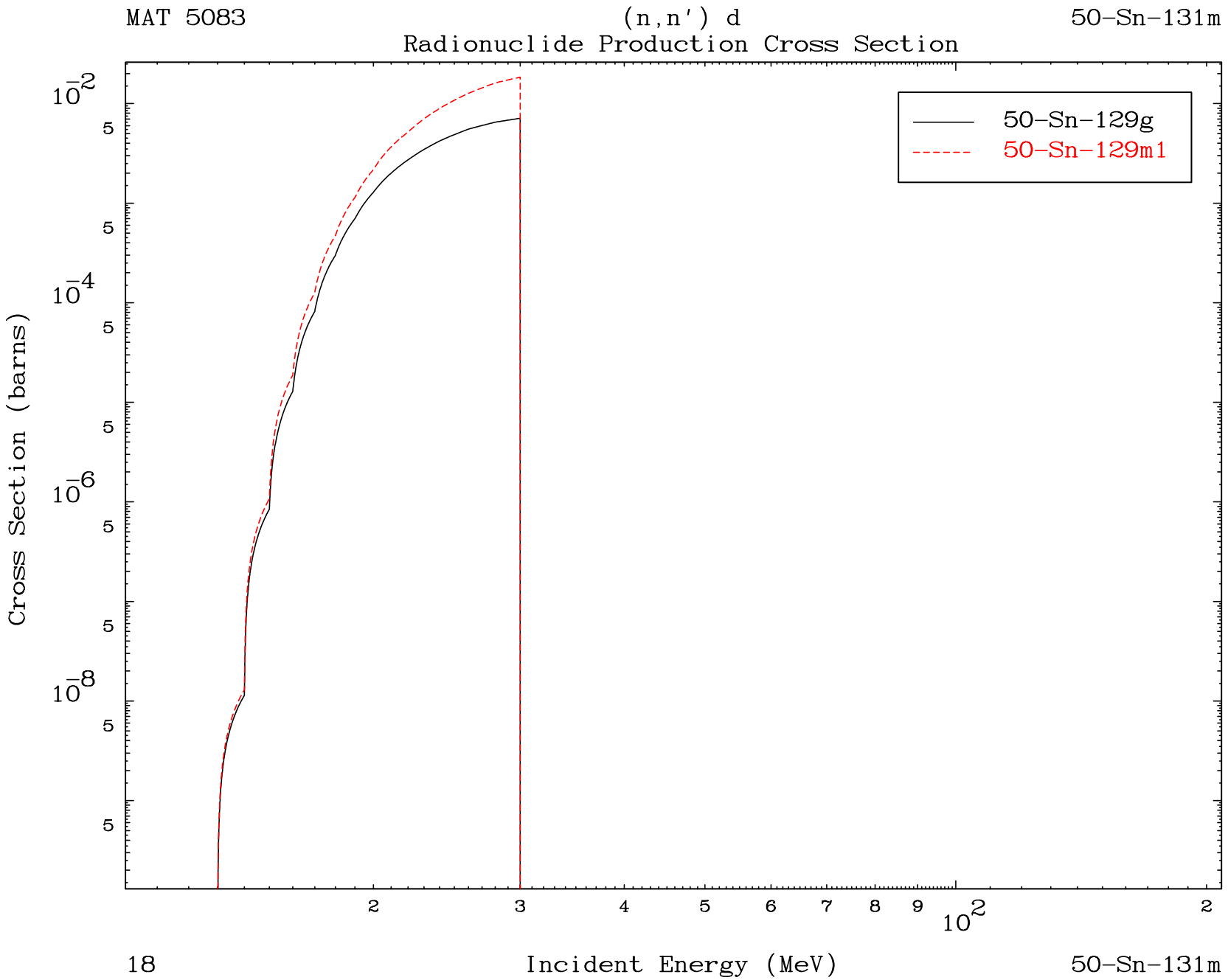

MAT 5083
(n,3n)
50-Sn-131m
Radionuclide Production Cross Section
51-Sb-129g
51-Sb-129m11
Cross Section (barns)
Incident Energy (MeV)
13
50-Sn-131m

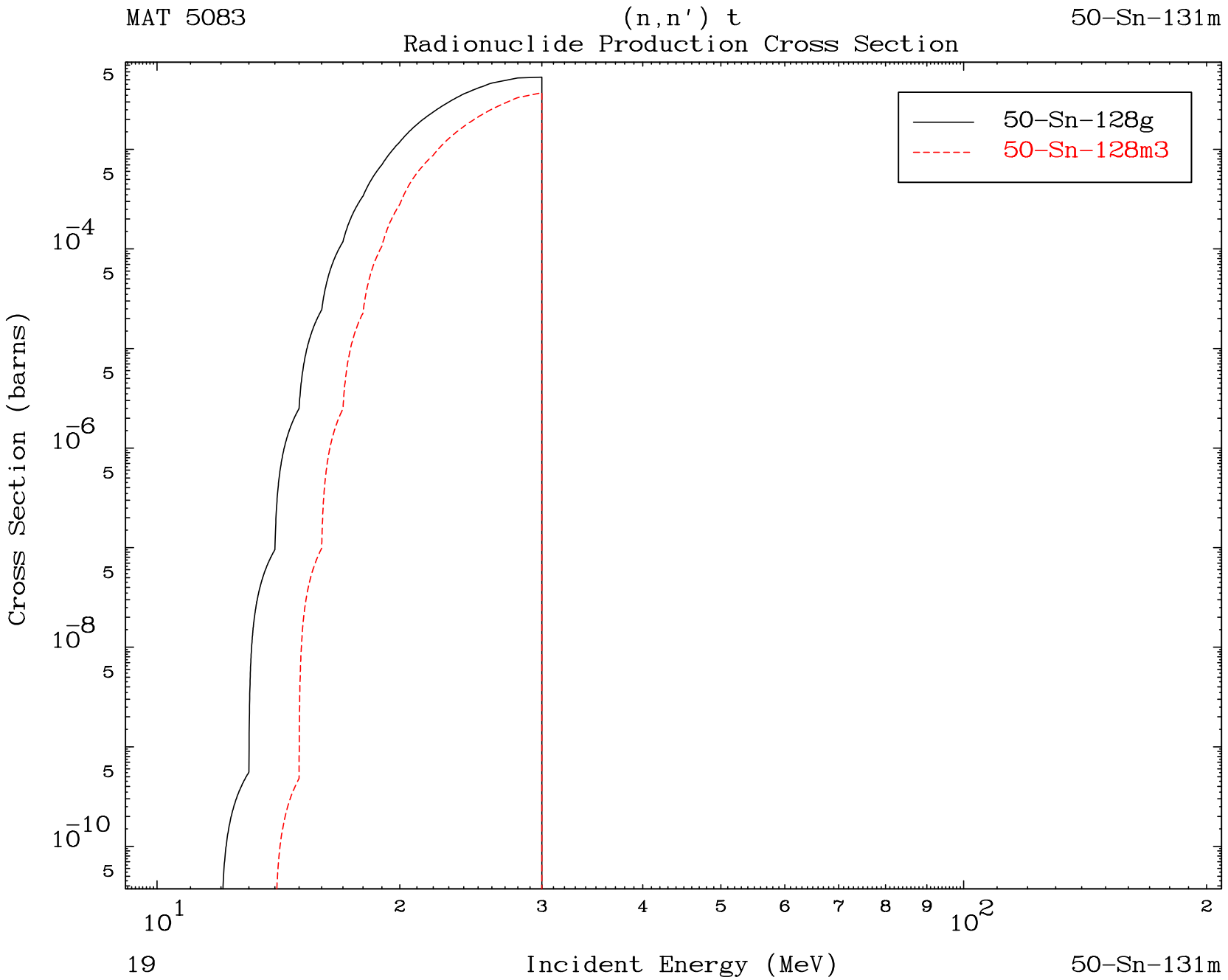

MAT 5083
(n,n') α
50-Sn-131m
Radionuclide Production Cross Section
49-In-127g
49-In-127m1
49-In-127m9
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
14
50-Sn-131m

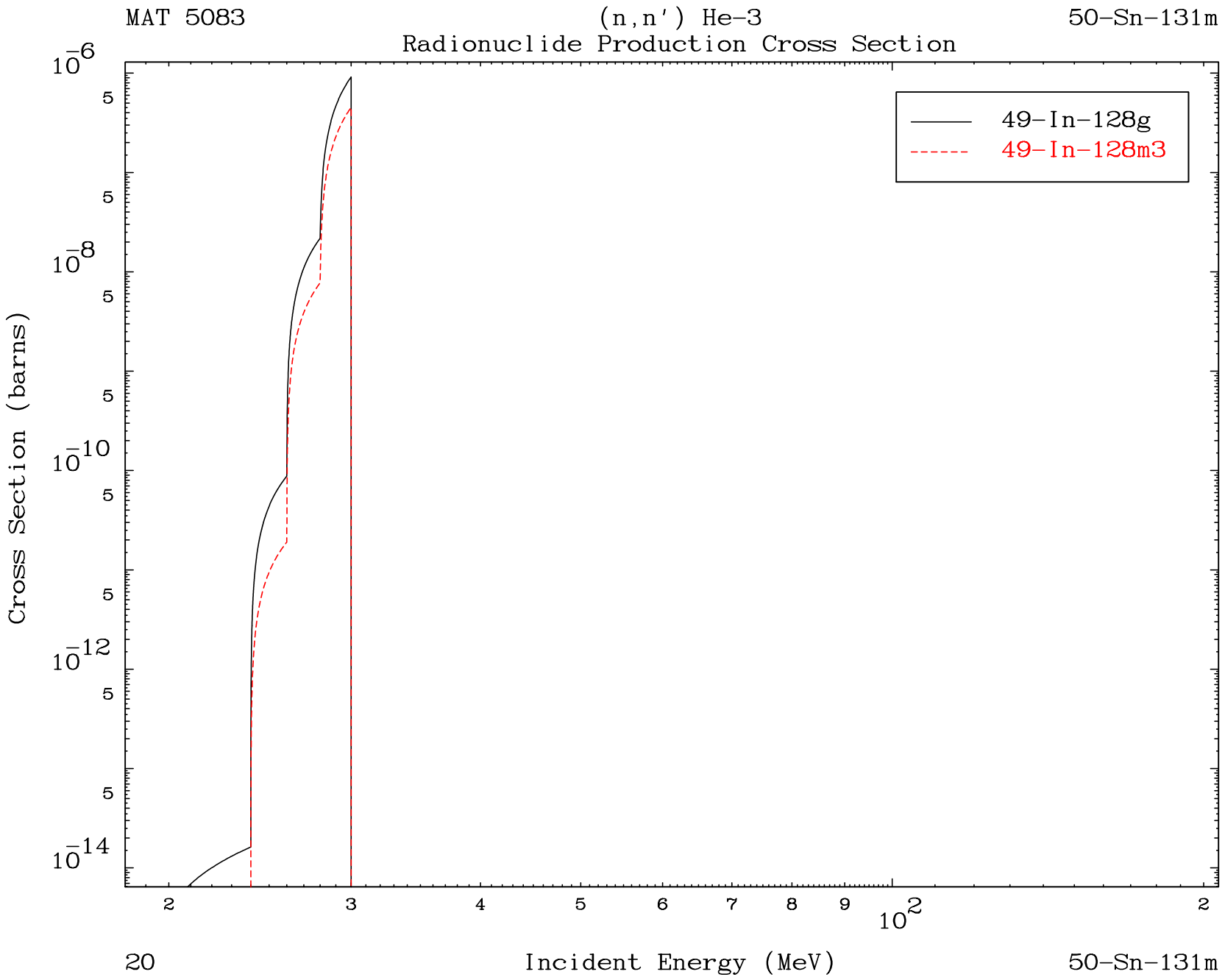

MAT 5083
(n,2n) α
50-Sn-131m
Radionuclide Production Cross Section
49-In-126g
49-In-126m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
50-Sn-131m

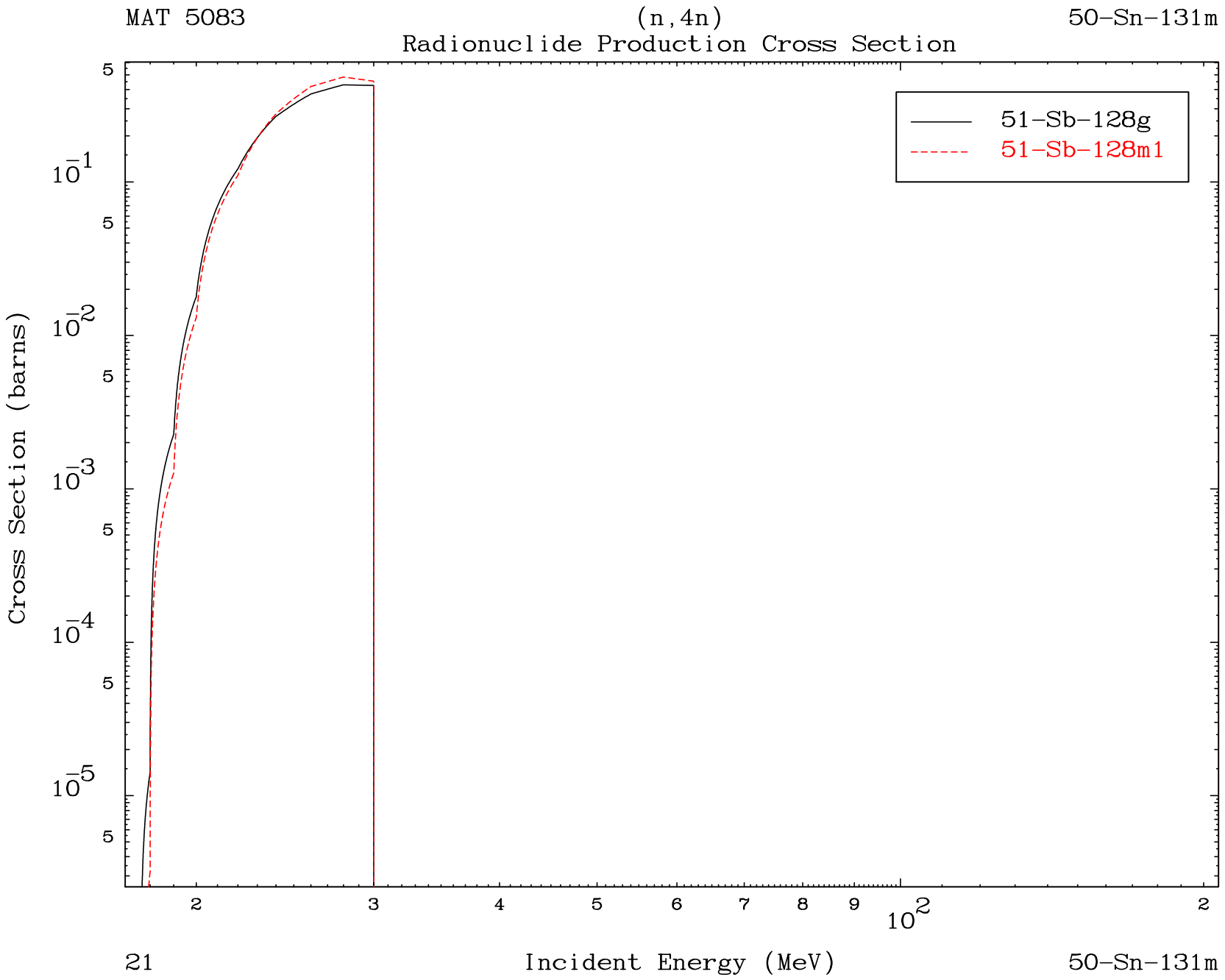

MAT 5083
(n,3n) α
50-Sn-131m
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
50-Sn-131m

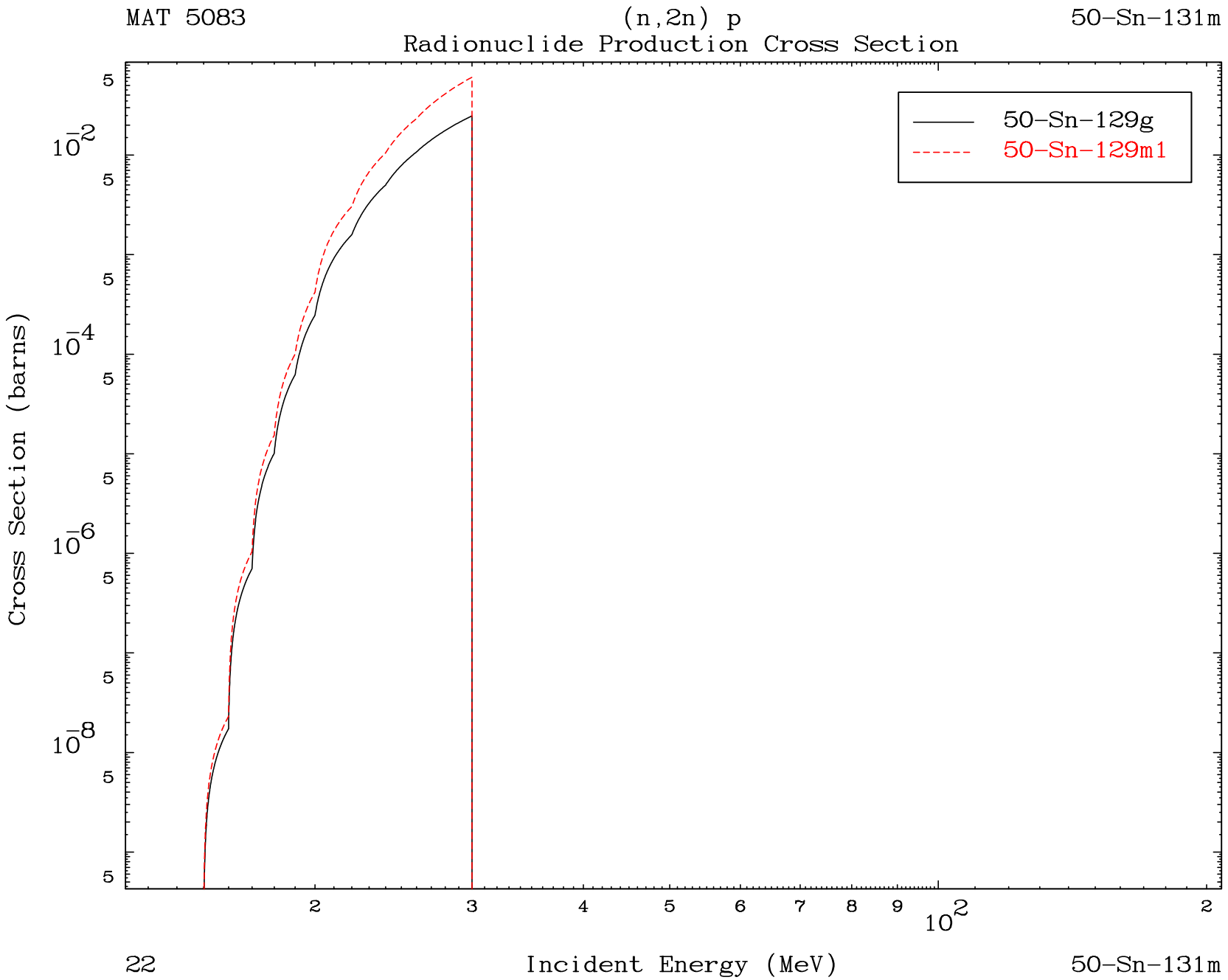

MAT 5083
(n,n') p
50-Sn-131m
Radionuclide Production Cross Section
50-Sn-130g
50-Sn-130m2
Cross Section (barns)
Incident Energy (MeV)
17
50-Sn-131m

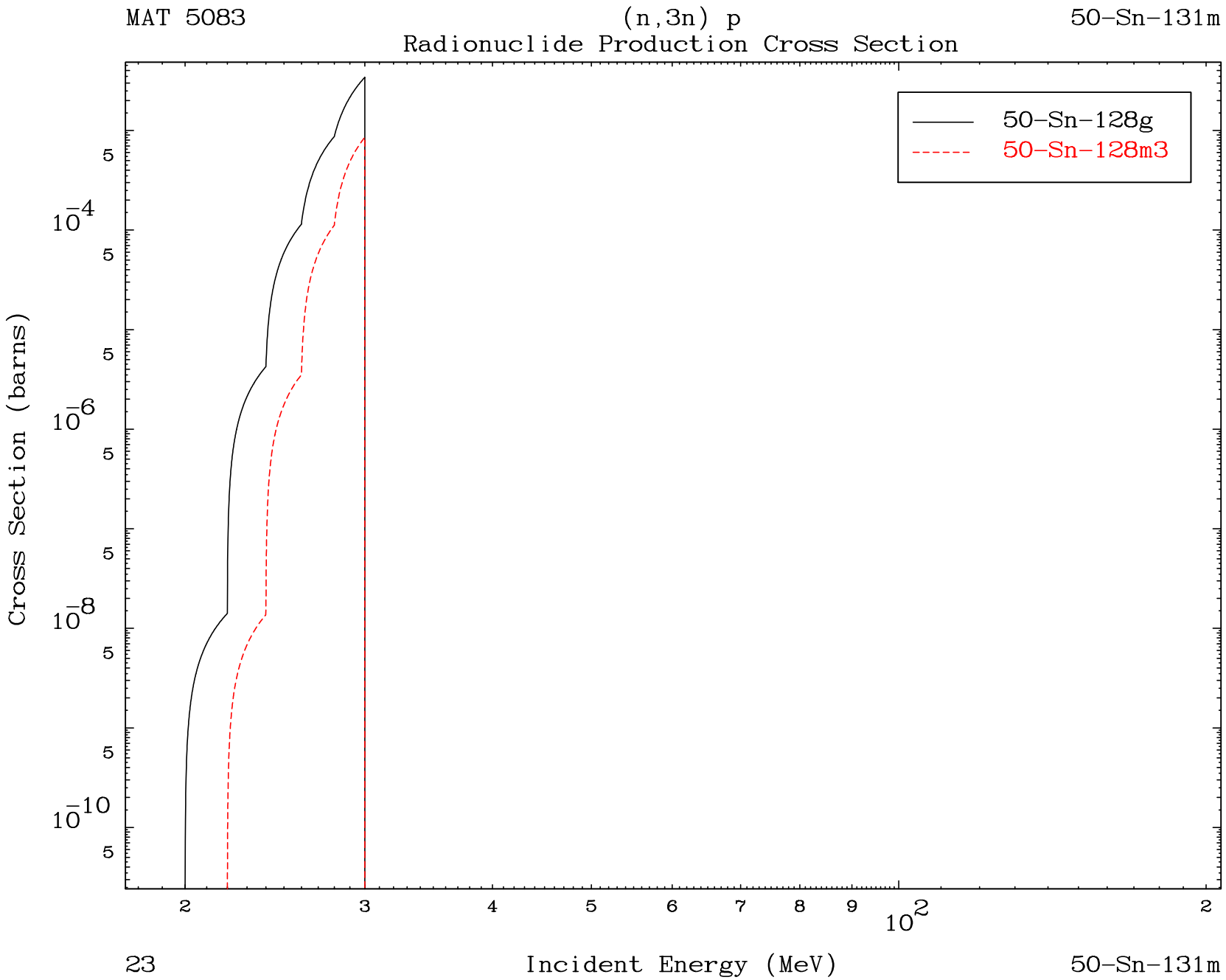

MAT 5083
(n,n') d
50-Sn-131m
Radionuclide Production Cross Section
50-Sn-129g
50-Sn-129m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
50-Sn-131m

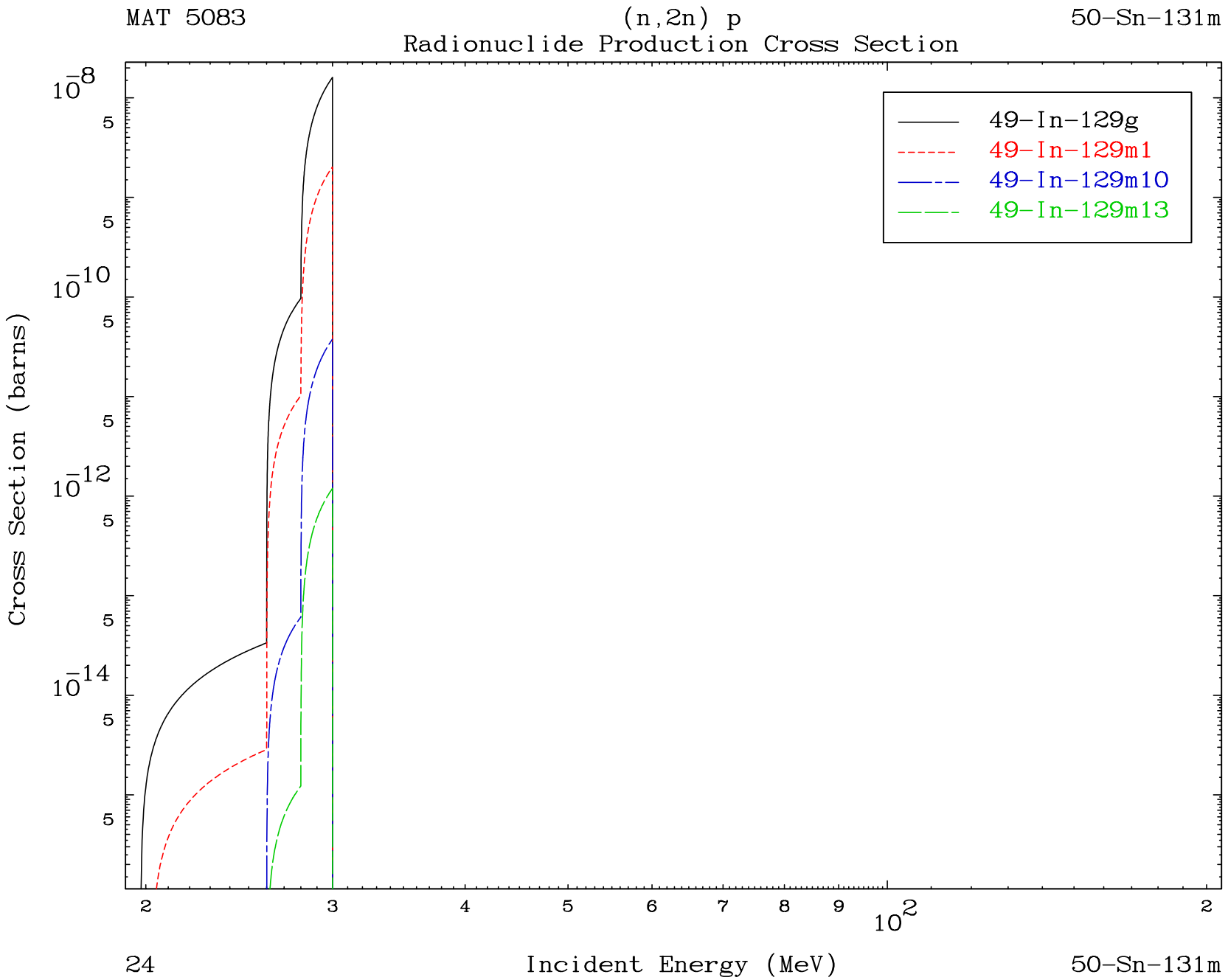

MAT 5083
(n,n') t
50-Sn-131m
Radionuclide Production Cross Section
50-Sn-128g
50-Sn-128m3
Cross Section (barns)
Incident Energy (MeV)
19
50-Sn-131m

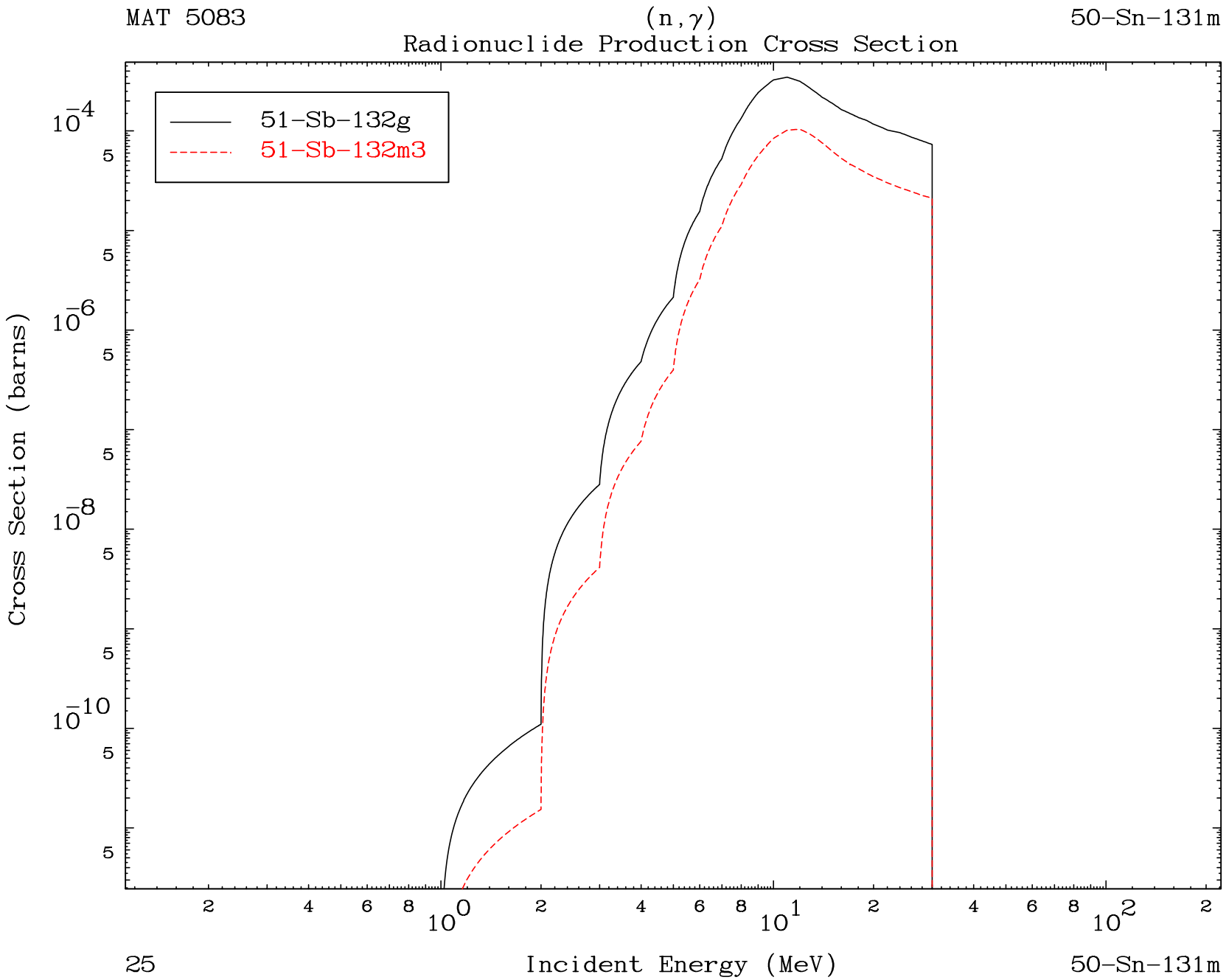

MAT 5083
(n,n') He-3
50-Sn-131m
Radionuclide Production Cross Section
49-In-128g
49-In-128m3
Cross Section (barns)
Incident Energy (MeV)
20
50-Sn-131m

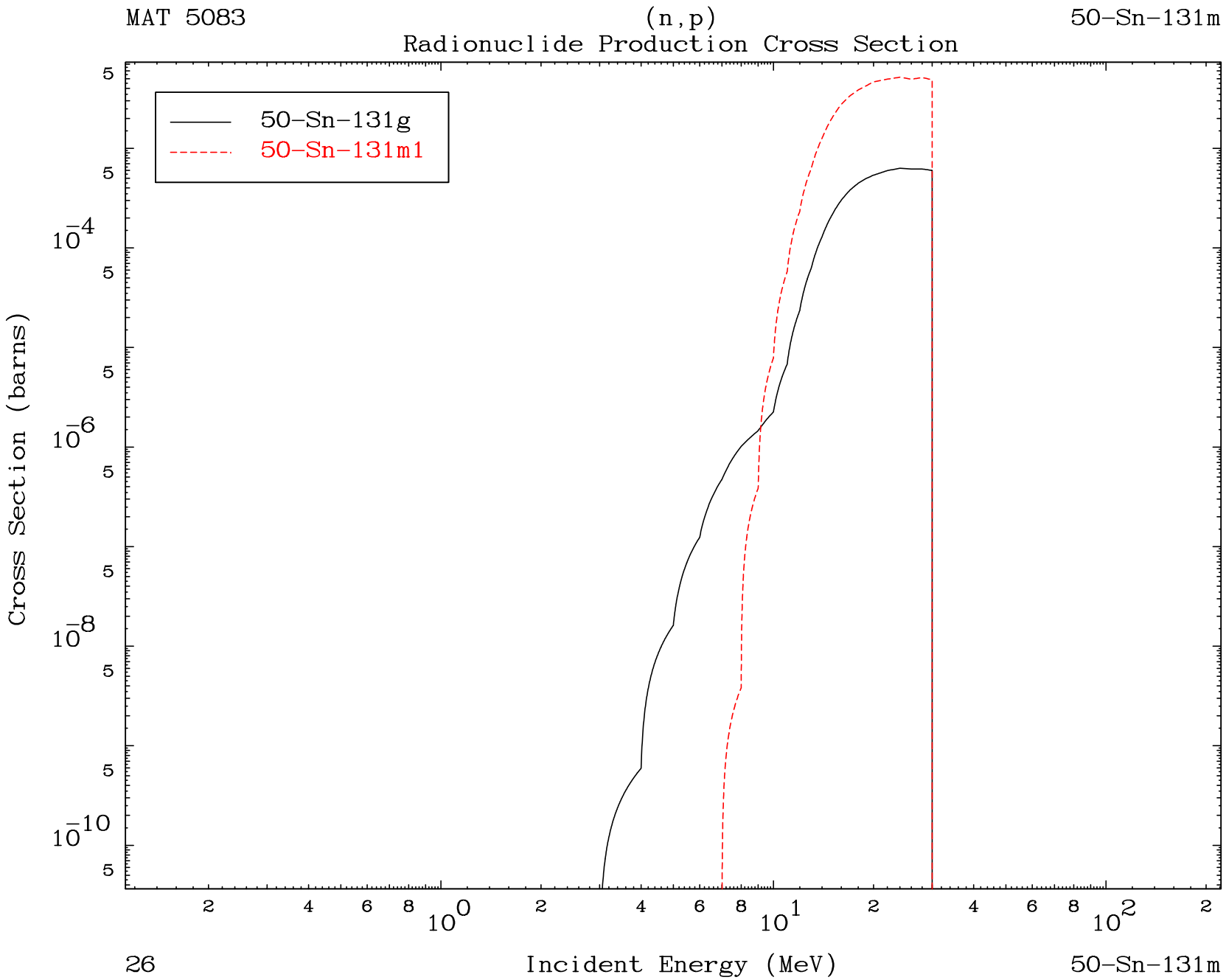

MAT 5083
(n,4n)
50-Sn-131m
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
Cross Section (barns)
Incident Energy (MeV)
21
50-Sn-131m

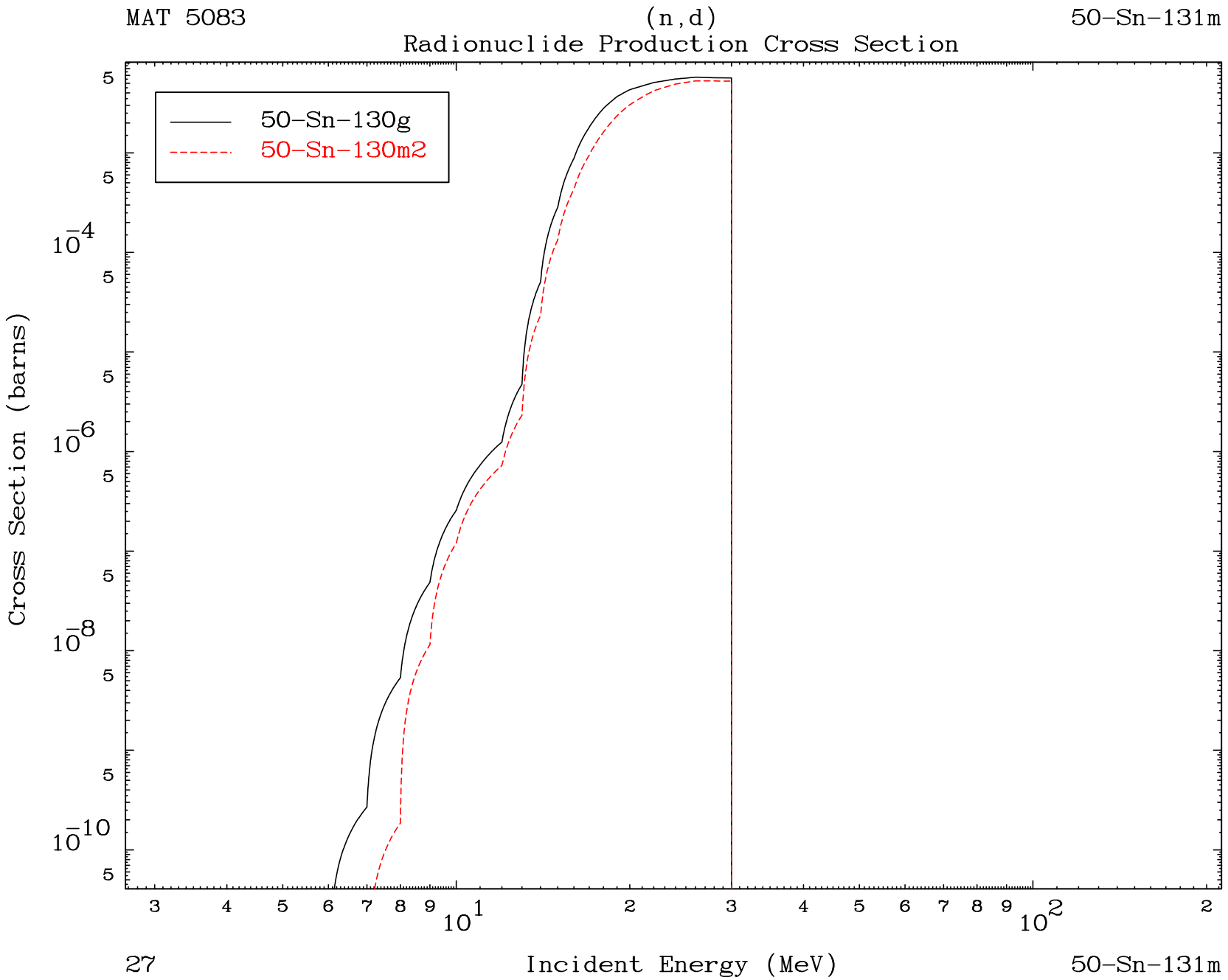

MAT 5083
(n,2n) p
50-Sn-131m
Radionuclide Production Cross Section
50-Sn-129g
50-Sn-129m1
Cross Section (barns)
Incident Energy (MeV)
22
50-Sn-131m

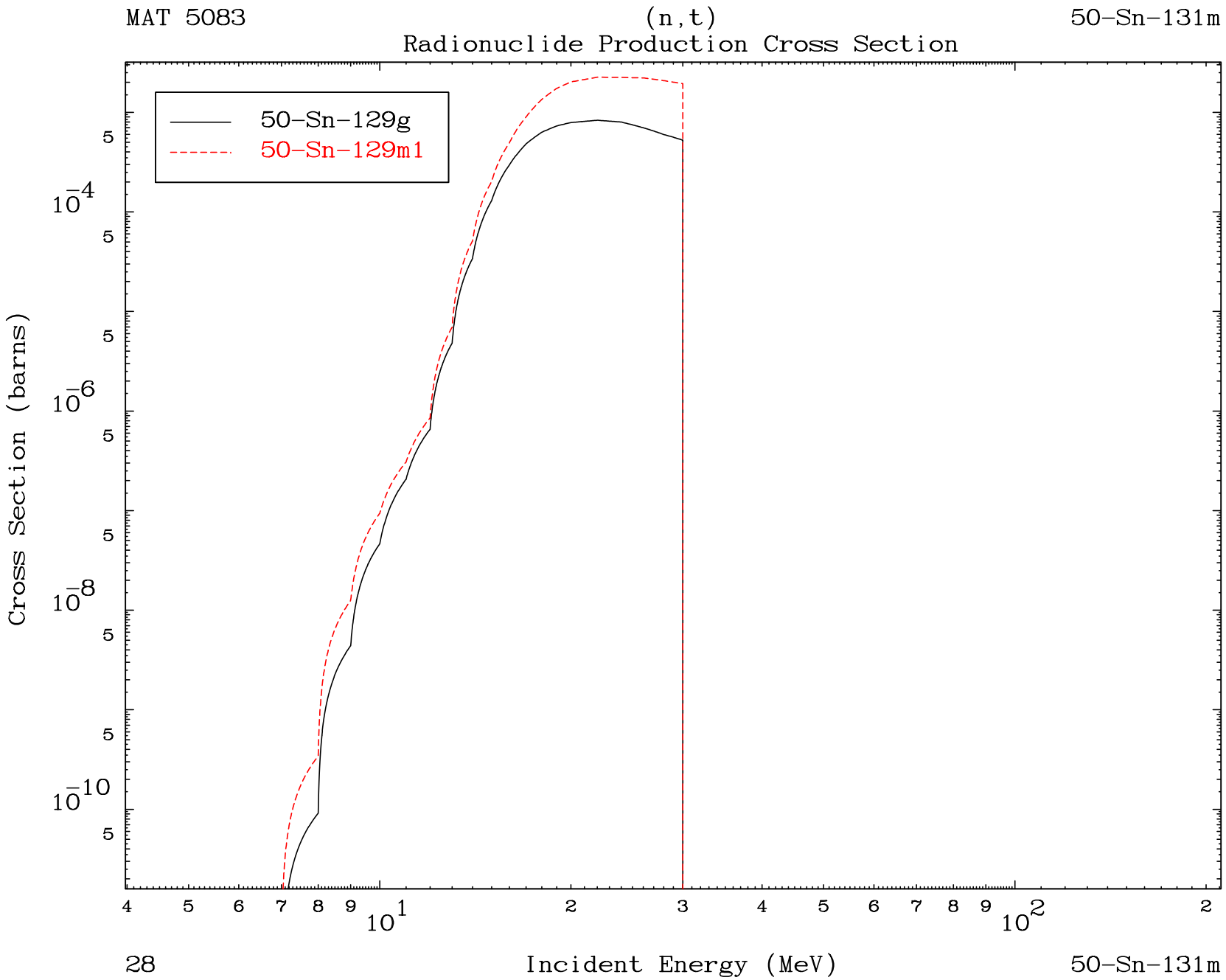

MAT 5083
(n,3n) p
50-Sn-131m
Radionuclide Production Cross Section
50-Sn-128g
50-Sn-128m3
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
23
Incident Energy (MeV)
50-Sn-131m

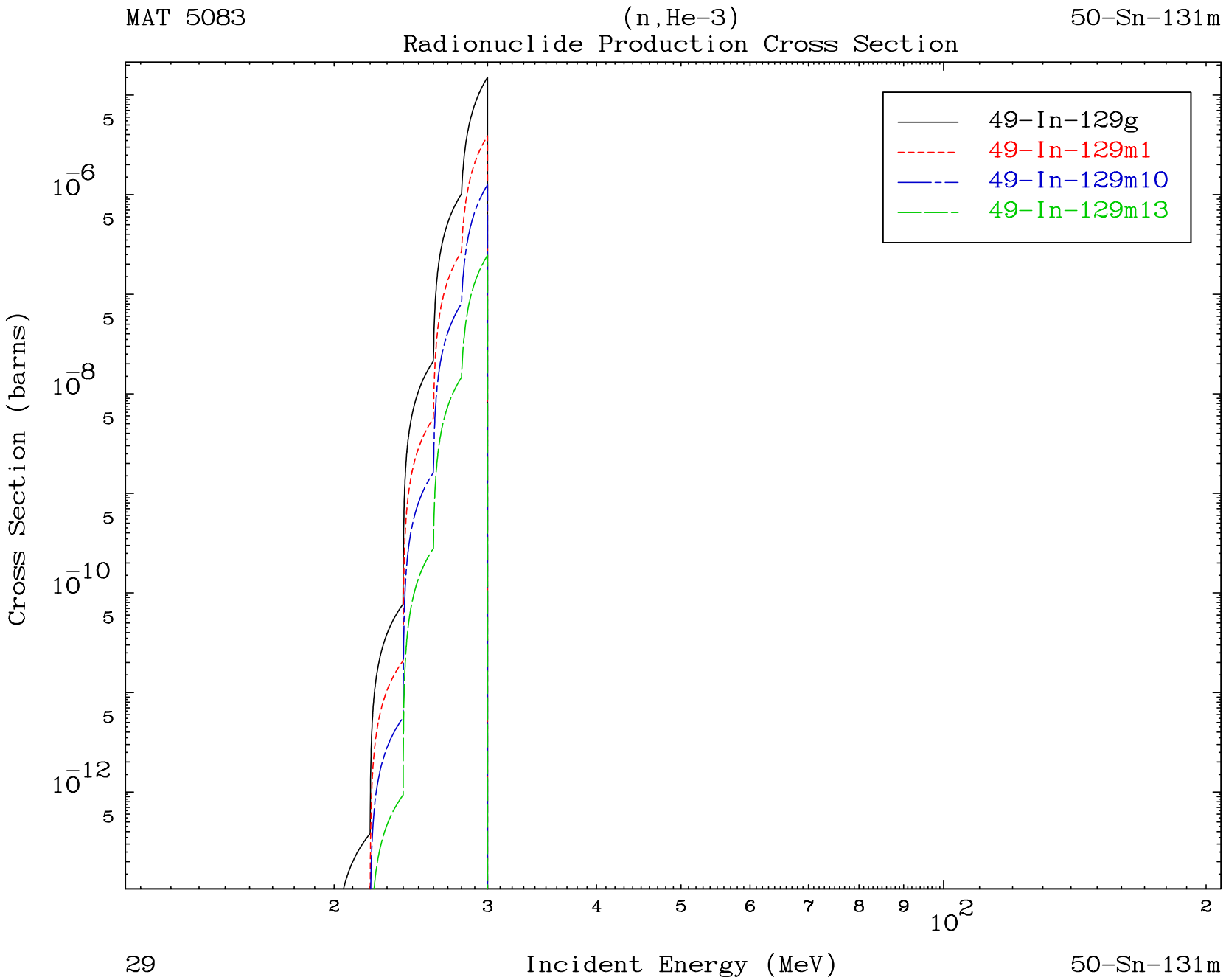

MAT 5083
(n,2n) p
50-Sn-131m
Radionuclide Production Cross Section
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
49-In-129g
49-In-129m1
49-In-129m10
49-In-129m13
24
Incident Energy (MeV)
50-Sn-131m

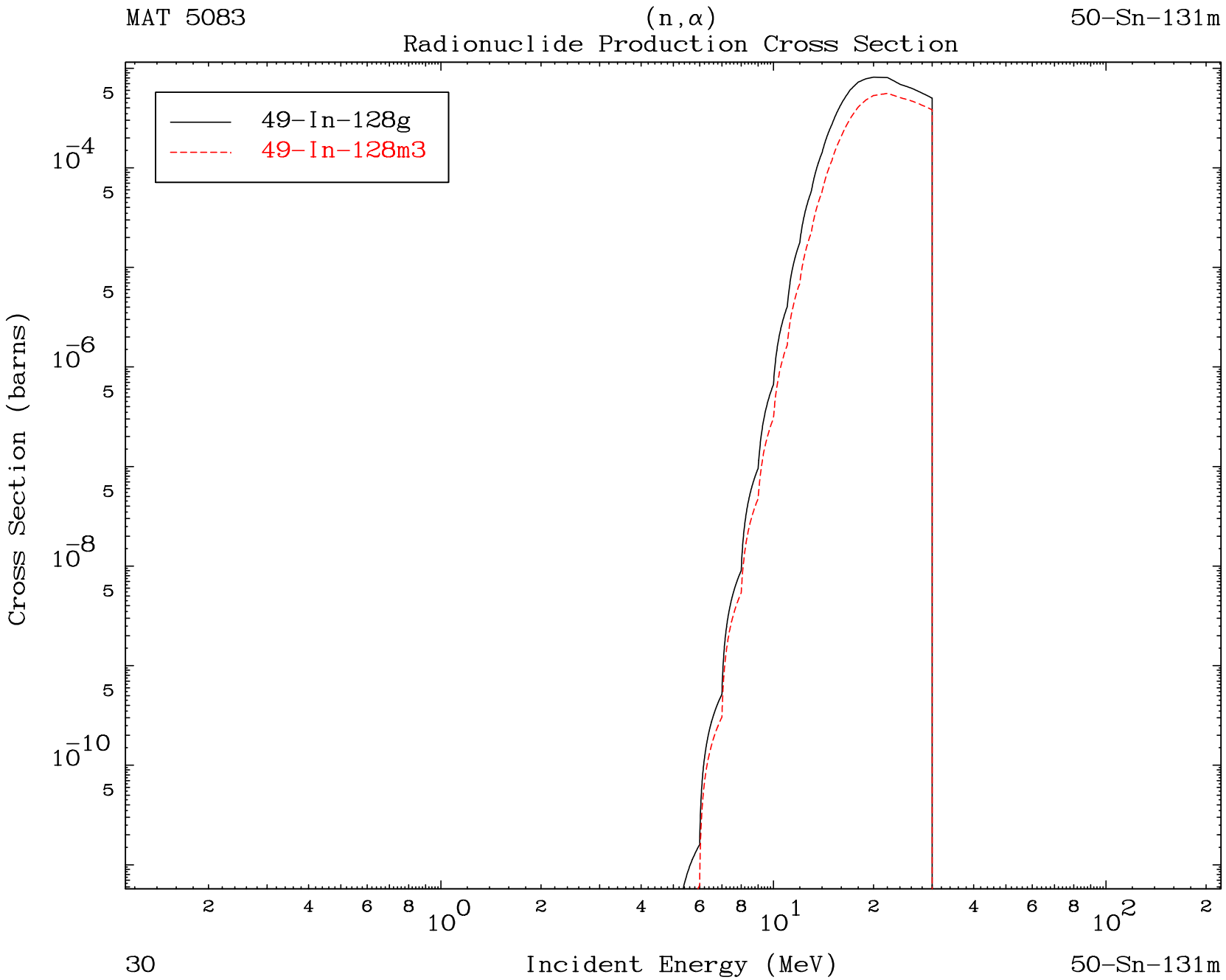

MAT 5083
(n,γ)
50-Sn-131m
Radionuclide Production Cross Section
51-Sb-132g
51-Sb-132m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^0
10^1
10^2
2
4
6
8
Incident Energy (MeV)
25
50-Sn-131m

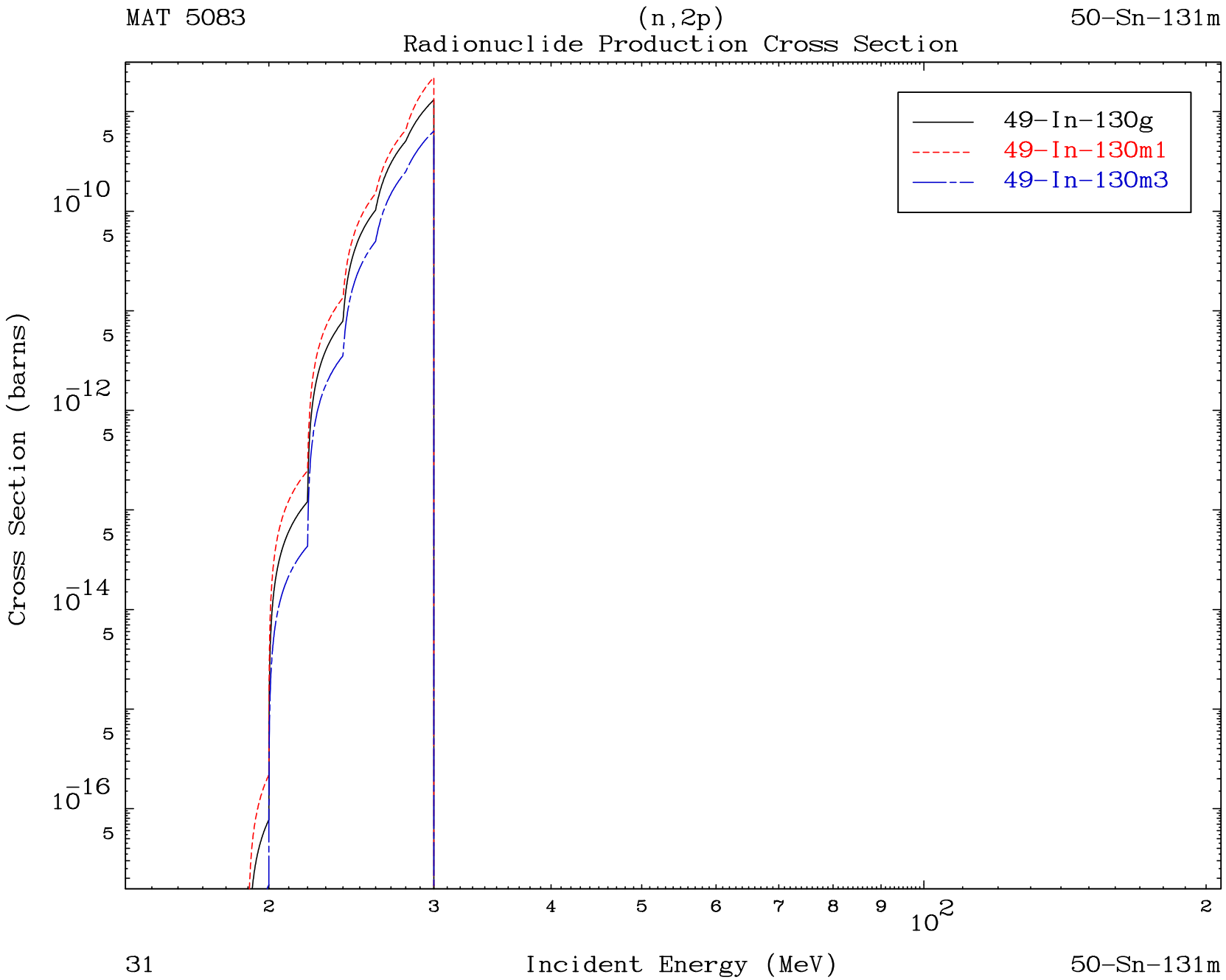

MAT 5083
(n,p)
50-Sn-131m
Radionuclide Production Cross Section
50-Sn-131g
50-Sn-131m1
Cross Section (barns)
Incident Energy (MeV)
26
50-Sn-131m


MAT 5083
(n,d)
50-Sn-131m
Radionuclide Production Cross Section
50-Sn-130g
50-Sn-130m2
Cross Section (barns)
Incident Energy (MeV)
27
50-Sn-131m


MAT 5083
(n,t)
50-Sn-131m
Radionuclide Production Cross Section
50-Sn-129g
50-Sn-129m1
Cross Section (barns)
10-4
10-6
10-8
10-10
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
28
Incident Energy (MeV)
50-Sn-131m


MAT 5083
(n,He-3)
50-Sn-131m
Radionuclide Production Cross Section
49-In-129g
49-In-129m1
49-In-129m10
49-In-129m13
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
29
Incident Energy (MeV)
50-Sn-131m


MAT 5083
(n,α)
50-Sn-131m
Radionuclide Production Cross Section
49-In-128g
49-In-128m3
Cross Section (barns)
Incident Energy (MeV)
30
50-Sn-131m


MAT 5083
(n,2p)
50-Sn-131m
Radionuclide Production Cross Section
49-In-130g
49-In-130m1
49-In-130m3
Cross Section (barns)
Incident Energy (MeV)
31
50-Sn-131m