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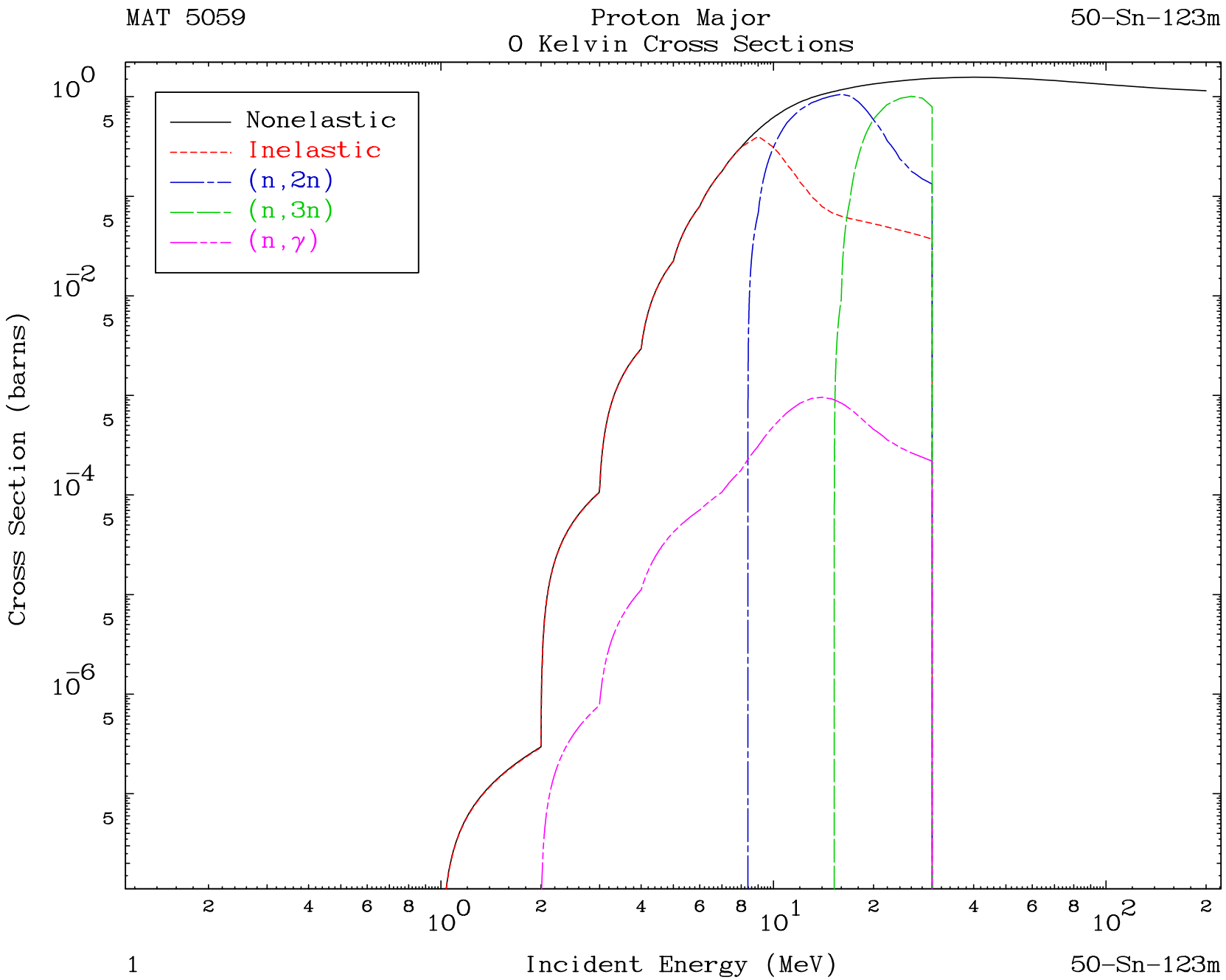
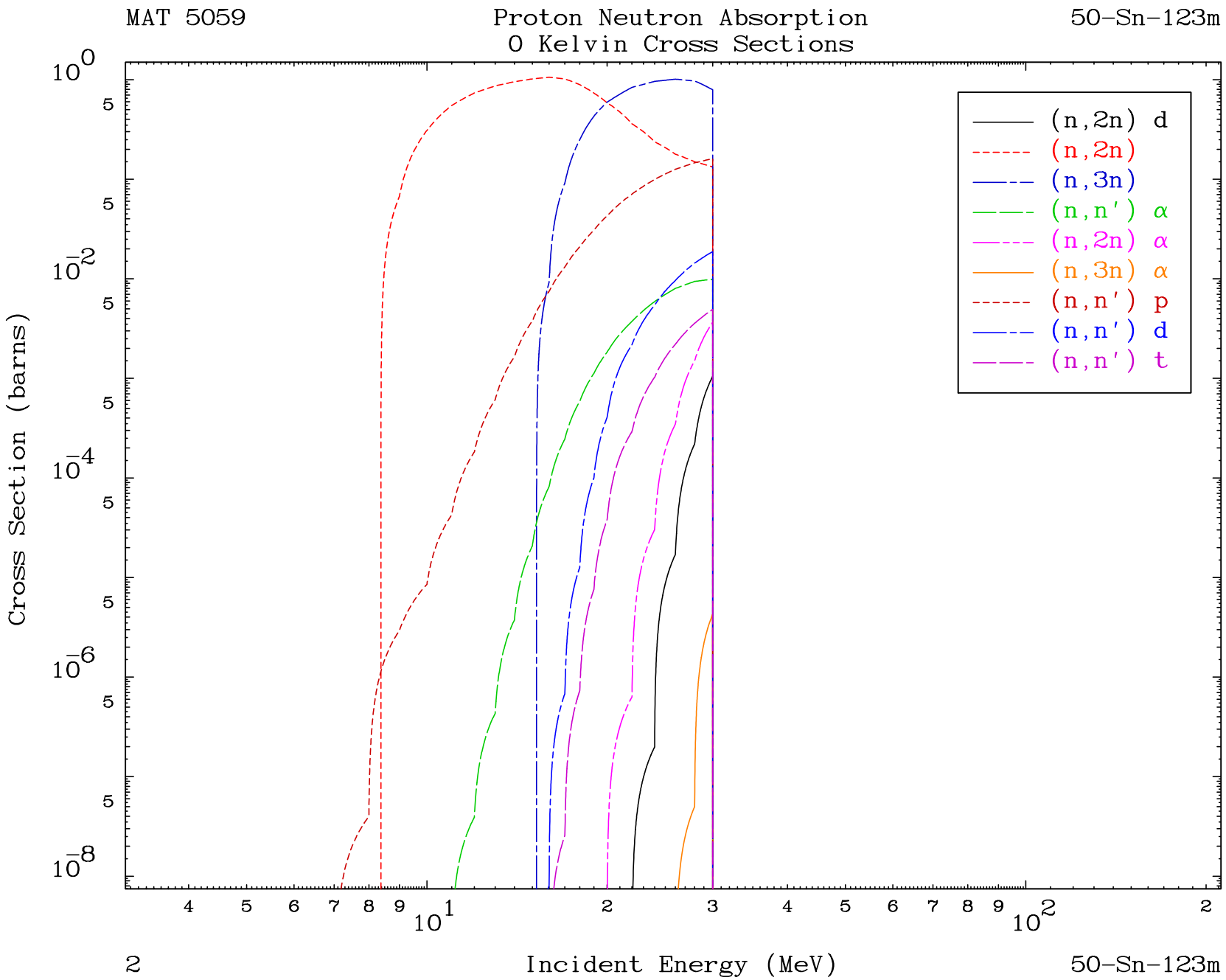
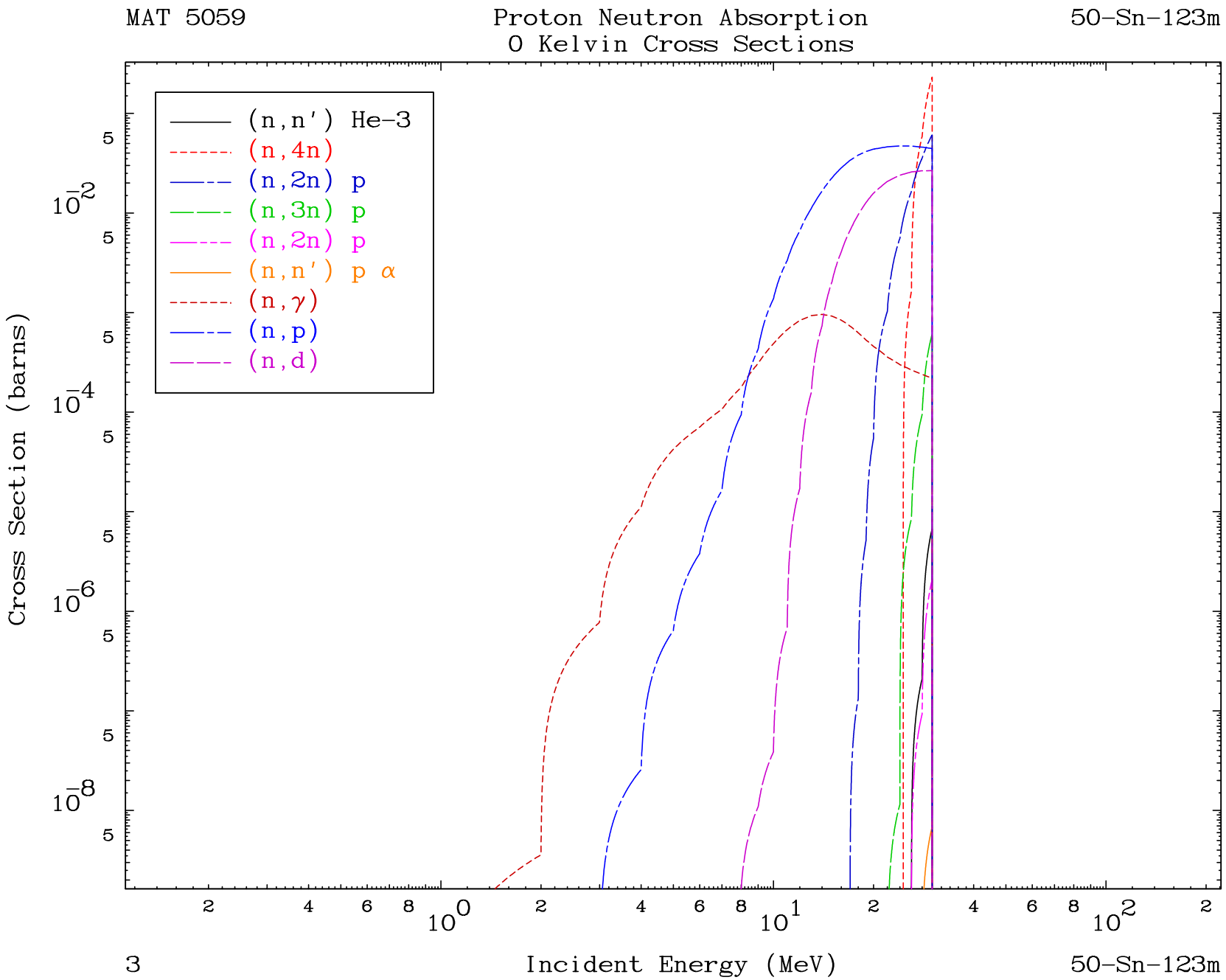
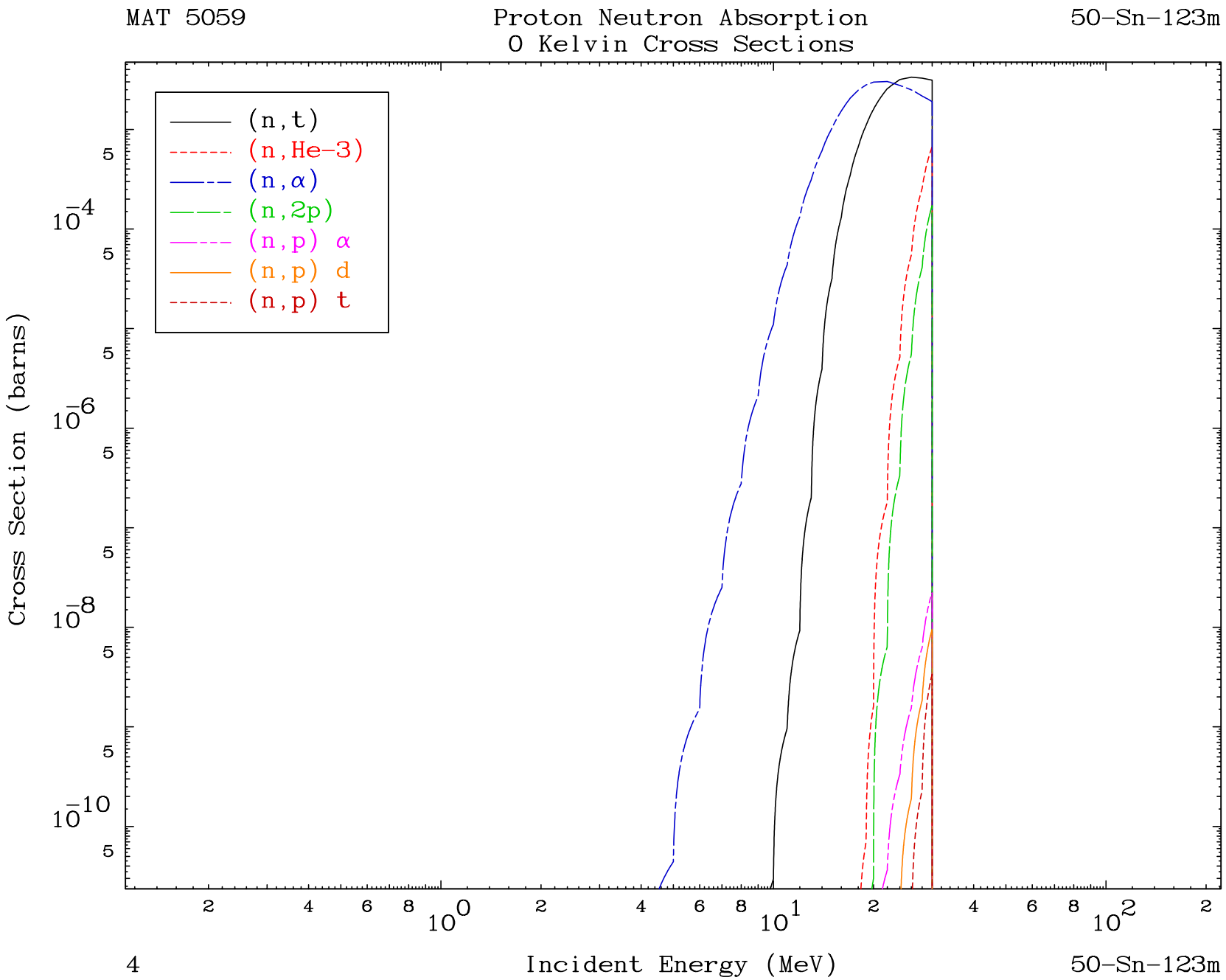
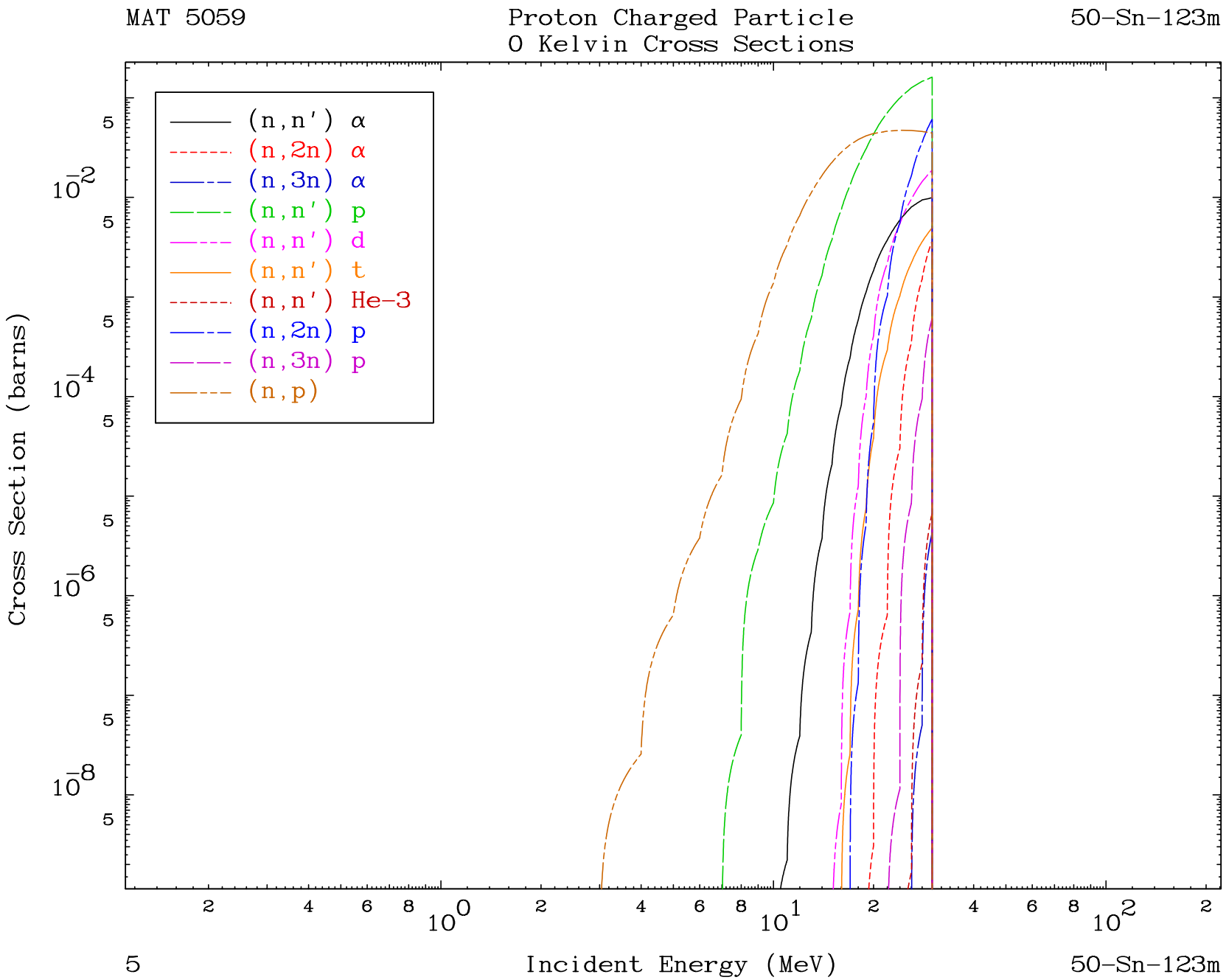
Press Mouse Button to Start

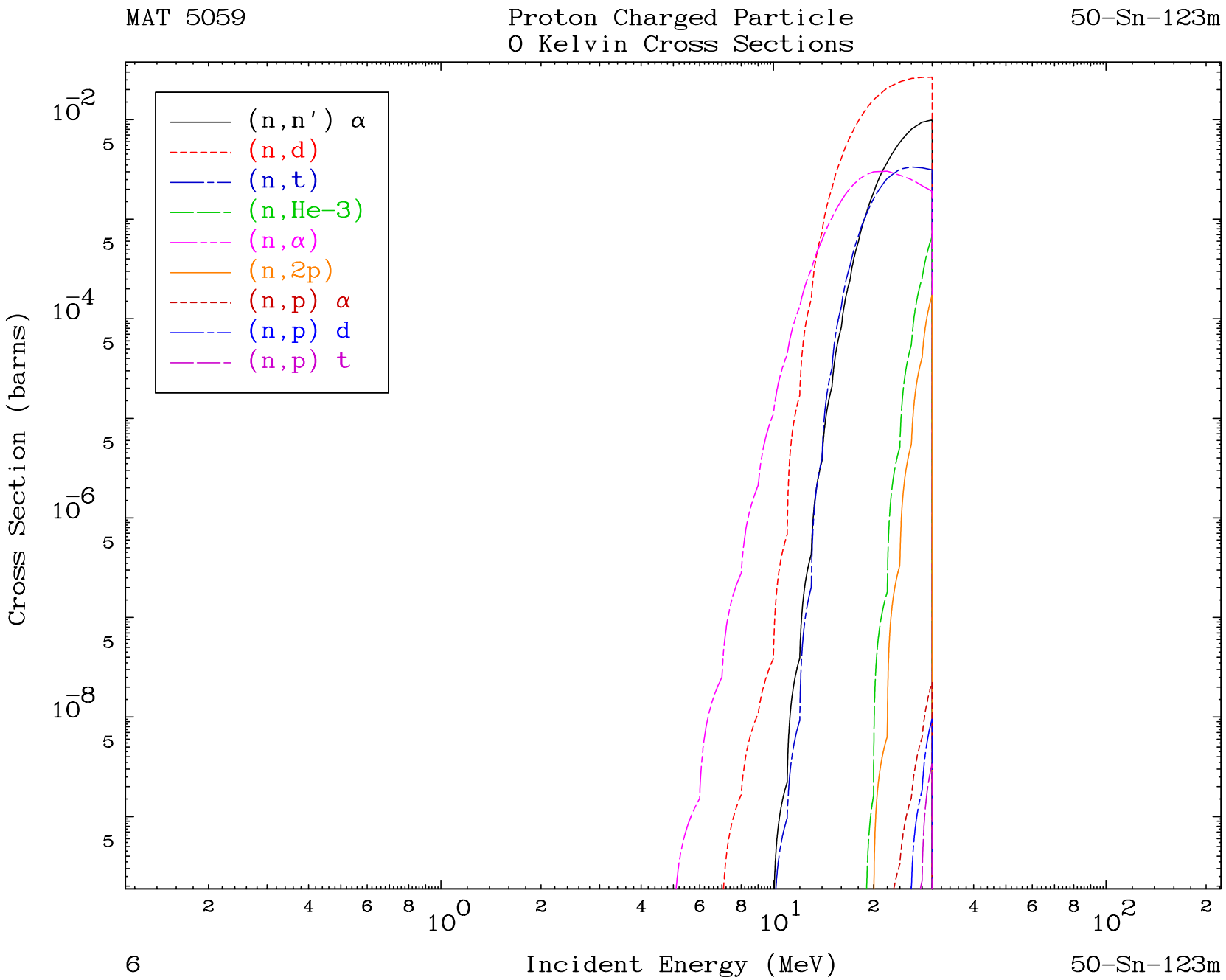

MAT 5059
Proton Major
50-Sn-123m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-123m
1

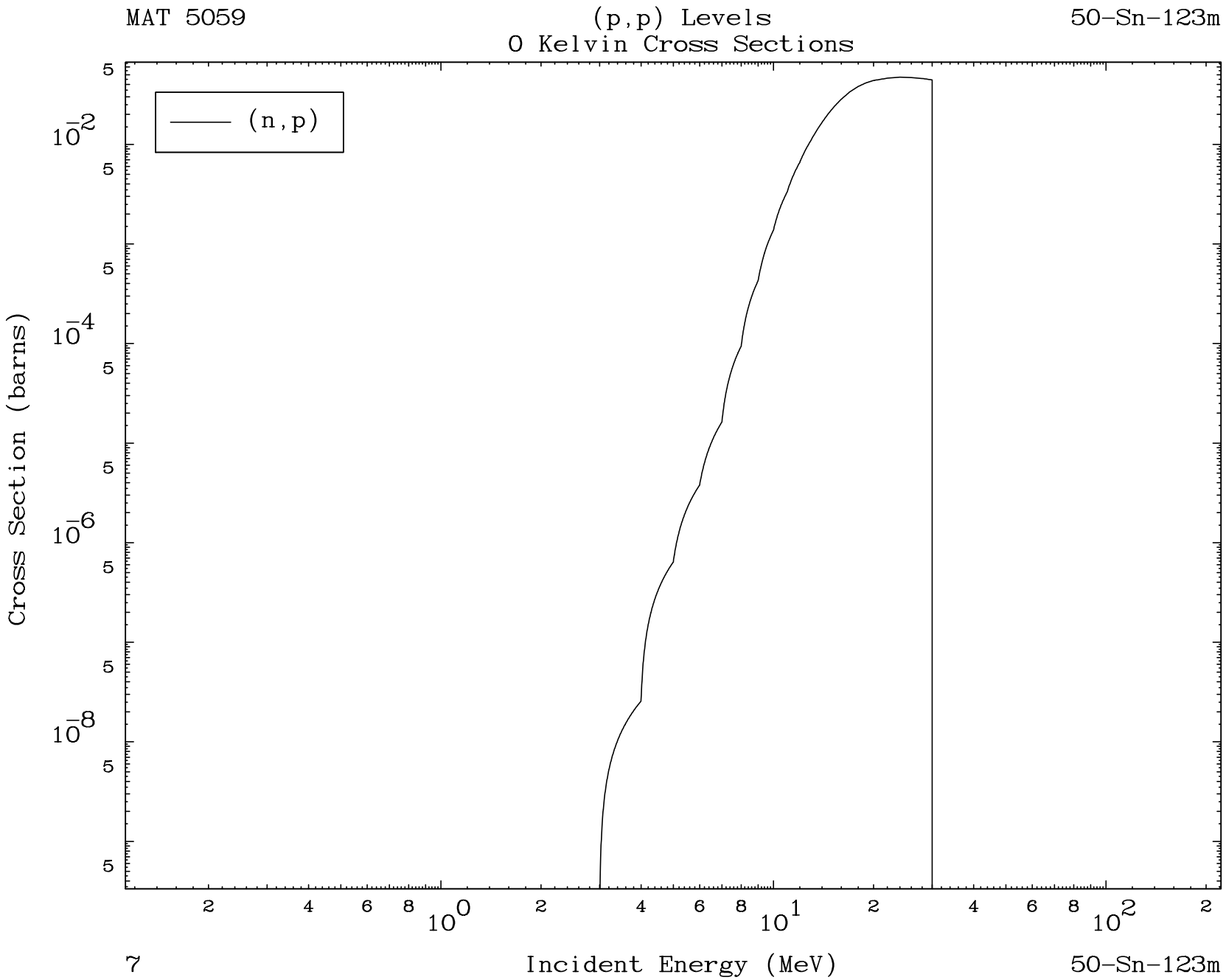

MAT 5059
Proton Neutron Absorption
0 Kelvin Cross Sections
50-Sn-123m
Cross Section (barns)
Incident Energy (MeV)
50-Sn-123m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t

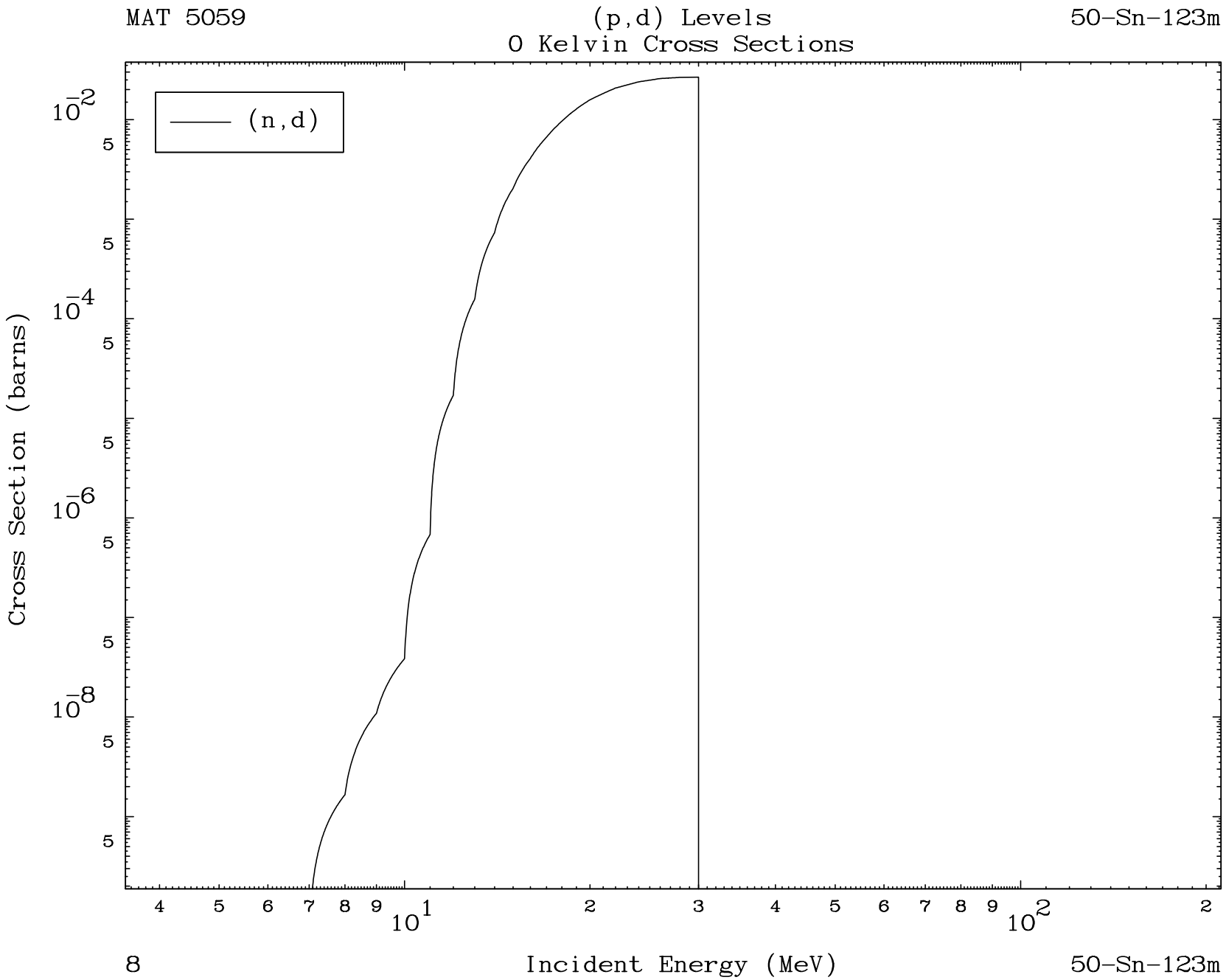

MAT 5059
Proton Neutron Absorption
0 Kelvin Cross Sections
50-Sn-123m
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-123m

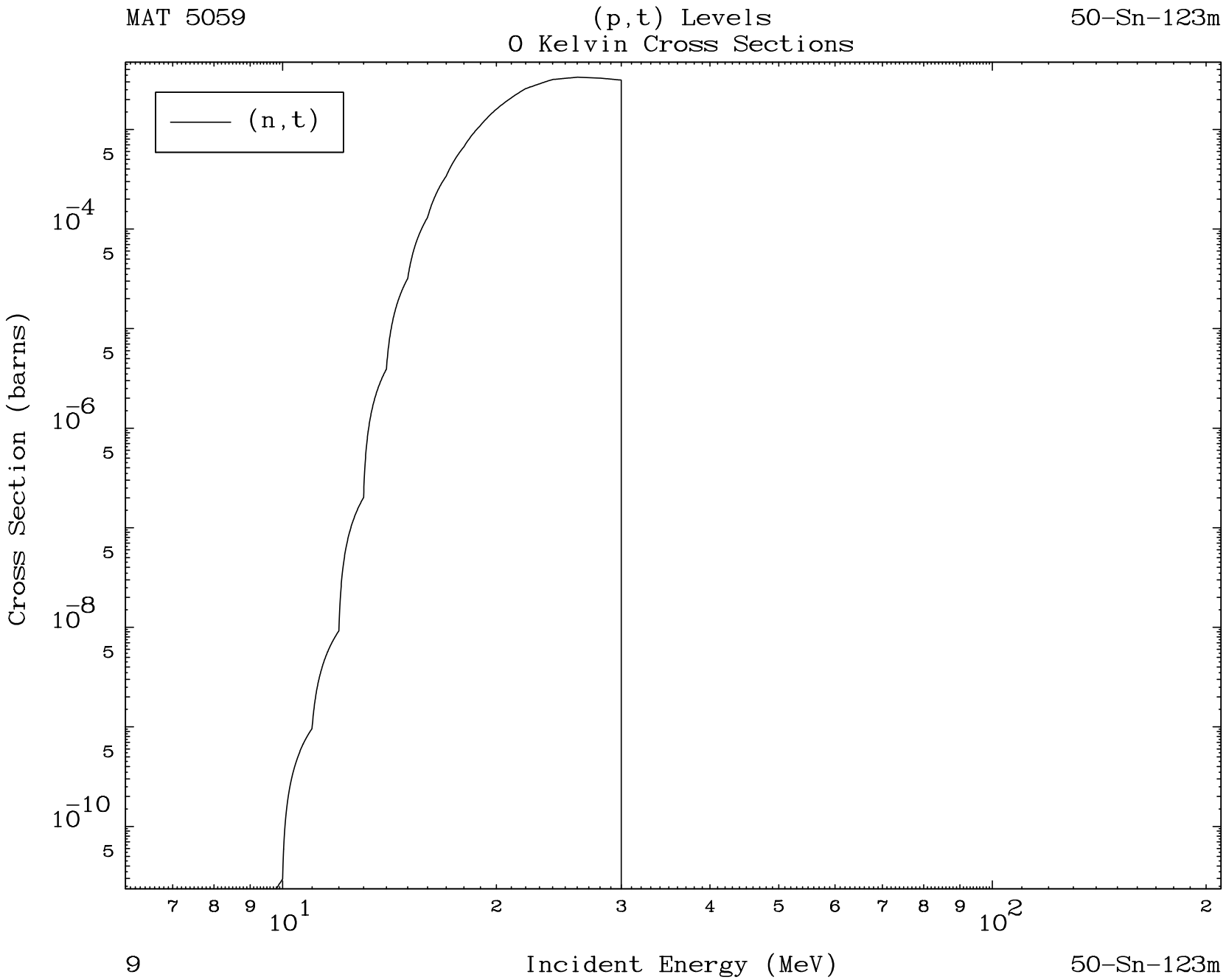

MAT 5059
Proton Neutron Absorption
0 Kelvin Cross Sections
50-Sn-123m
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
4
50-Sn-123m

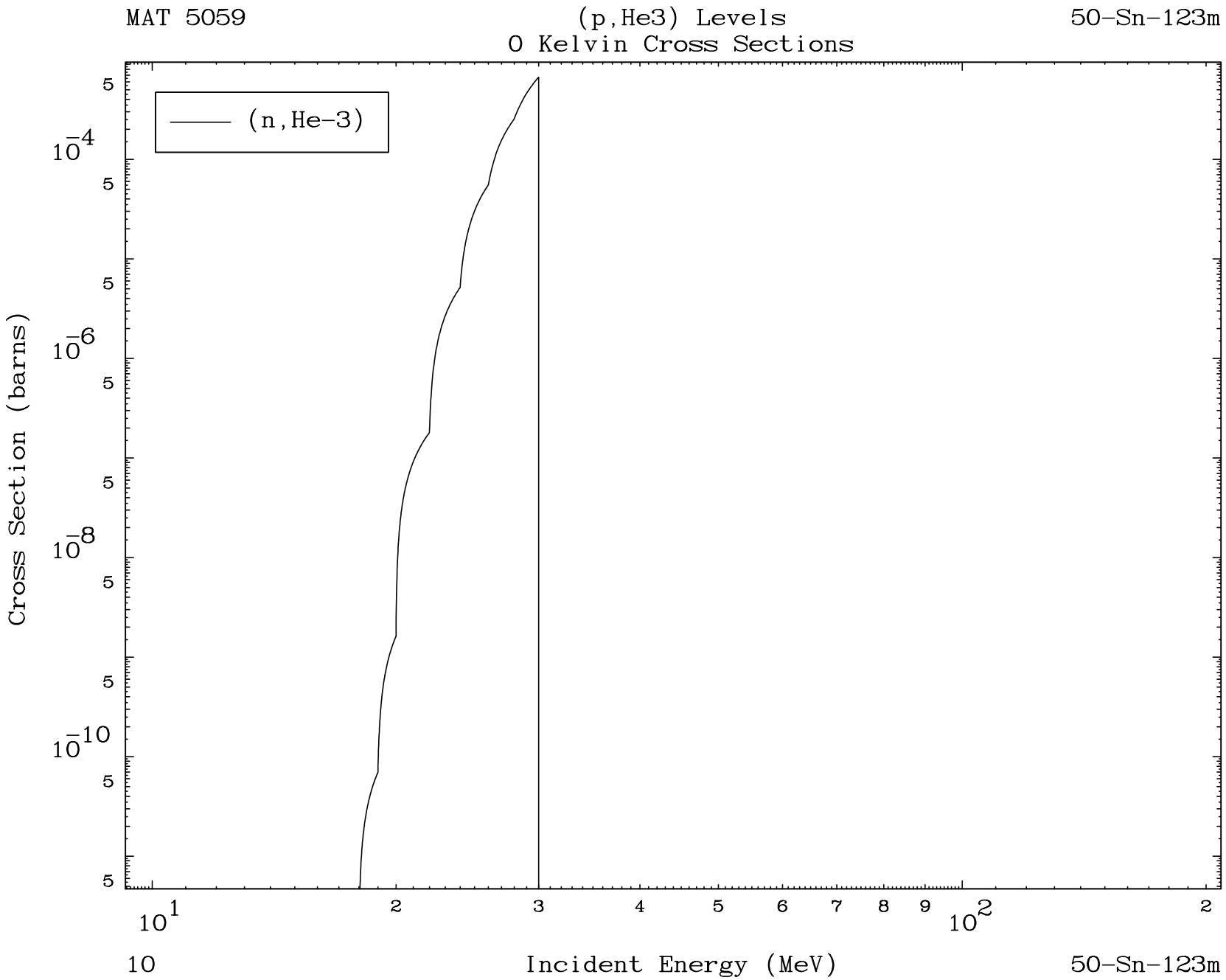

MAT 5059
Proton Charged Particle
0 Kelvin Cross Sections
50-Sn-123m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-123m

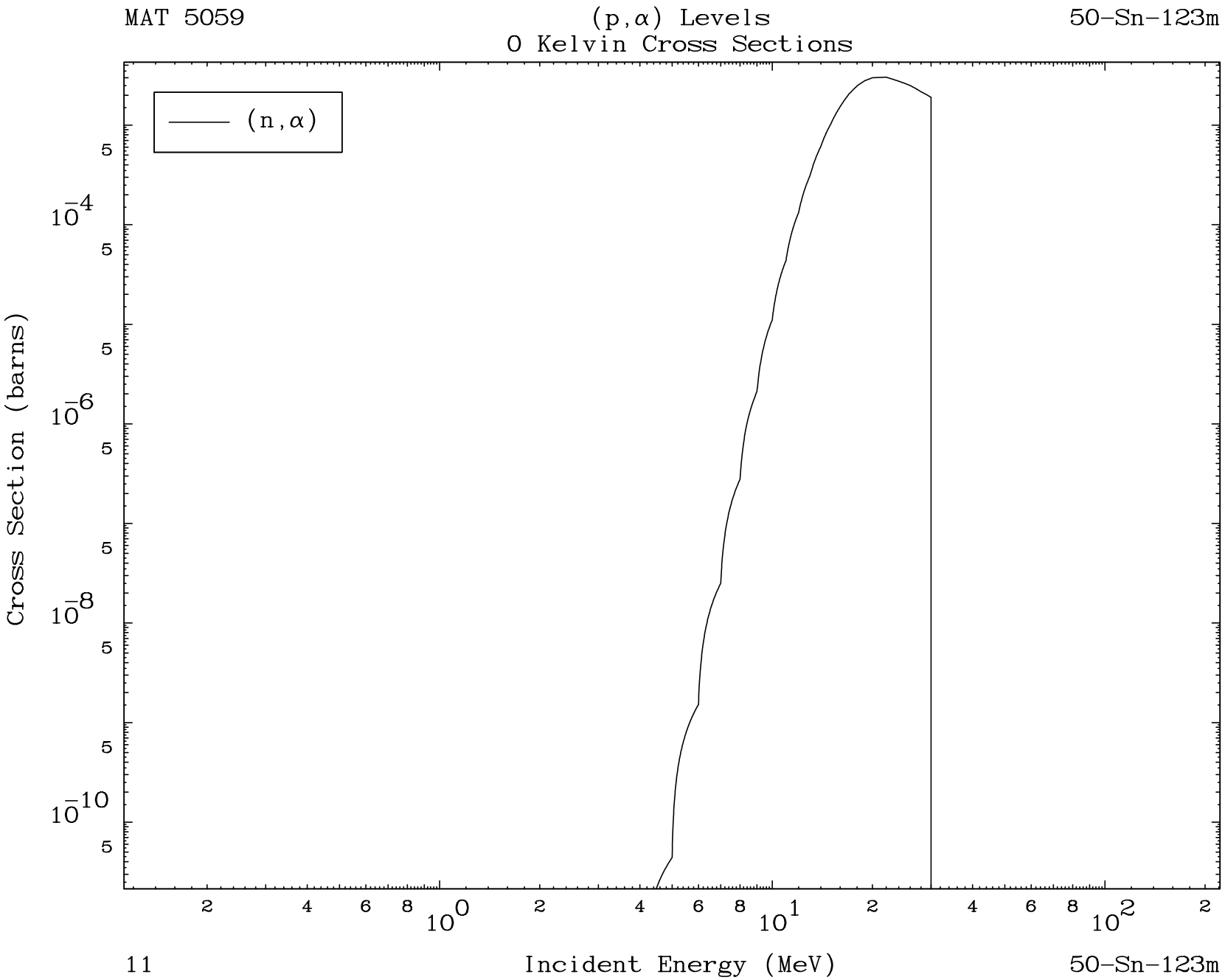

MAT 5059
Proton Charged Particle
0 Kelvin Cross Sections
50-Sn-123m
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
6
50-Sn-123m

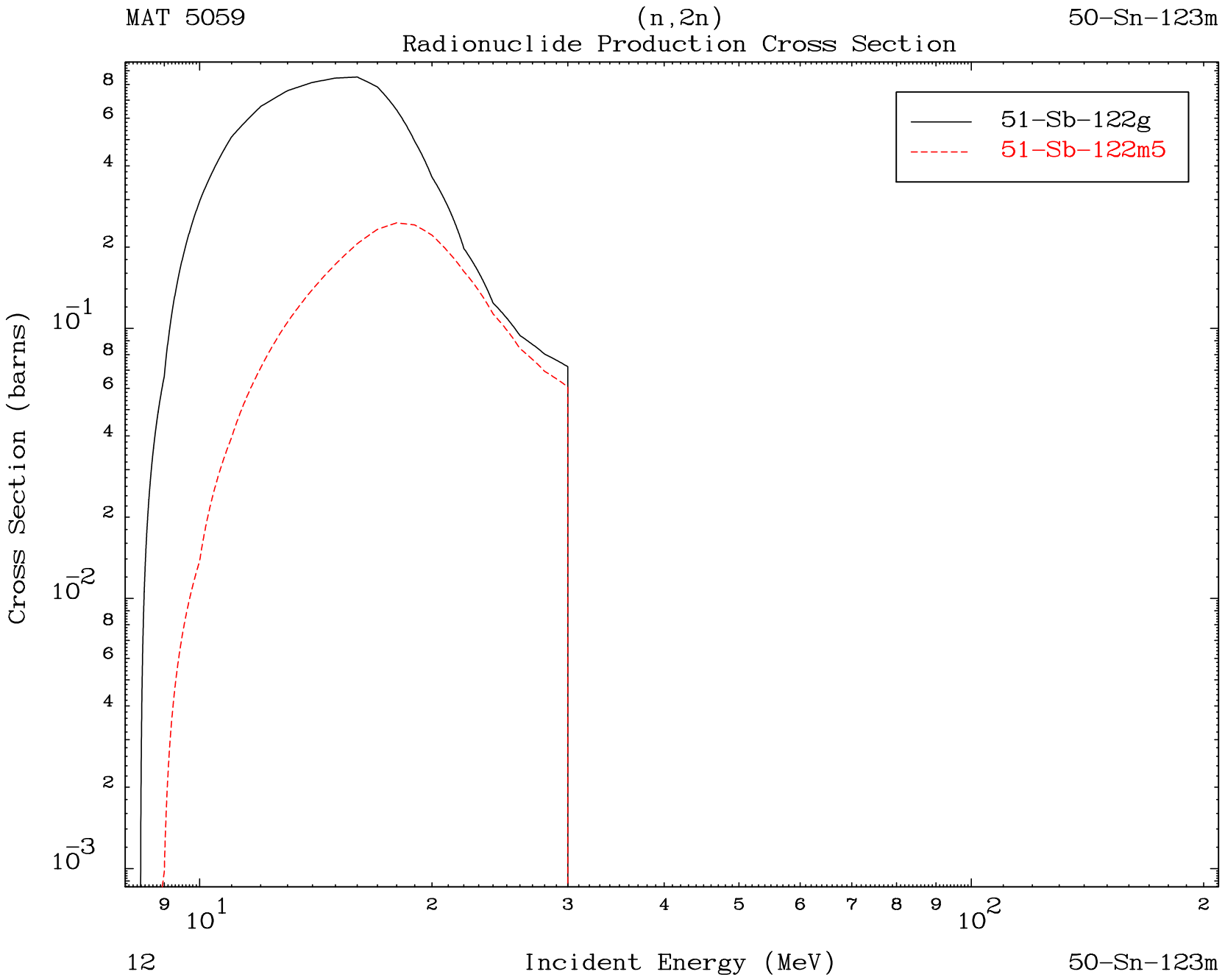

MAT 5059
(p,p) Levels
50-Sn-123m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
50-Sn-123m

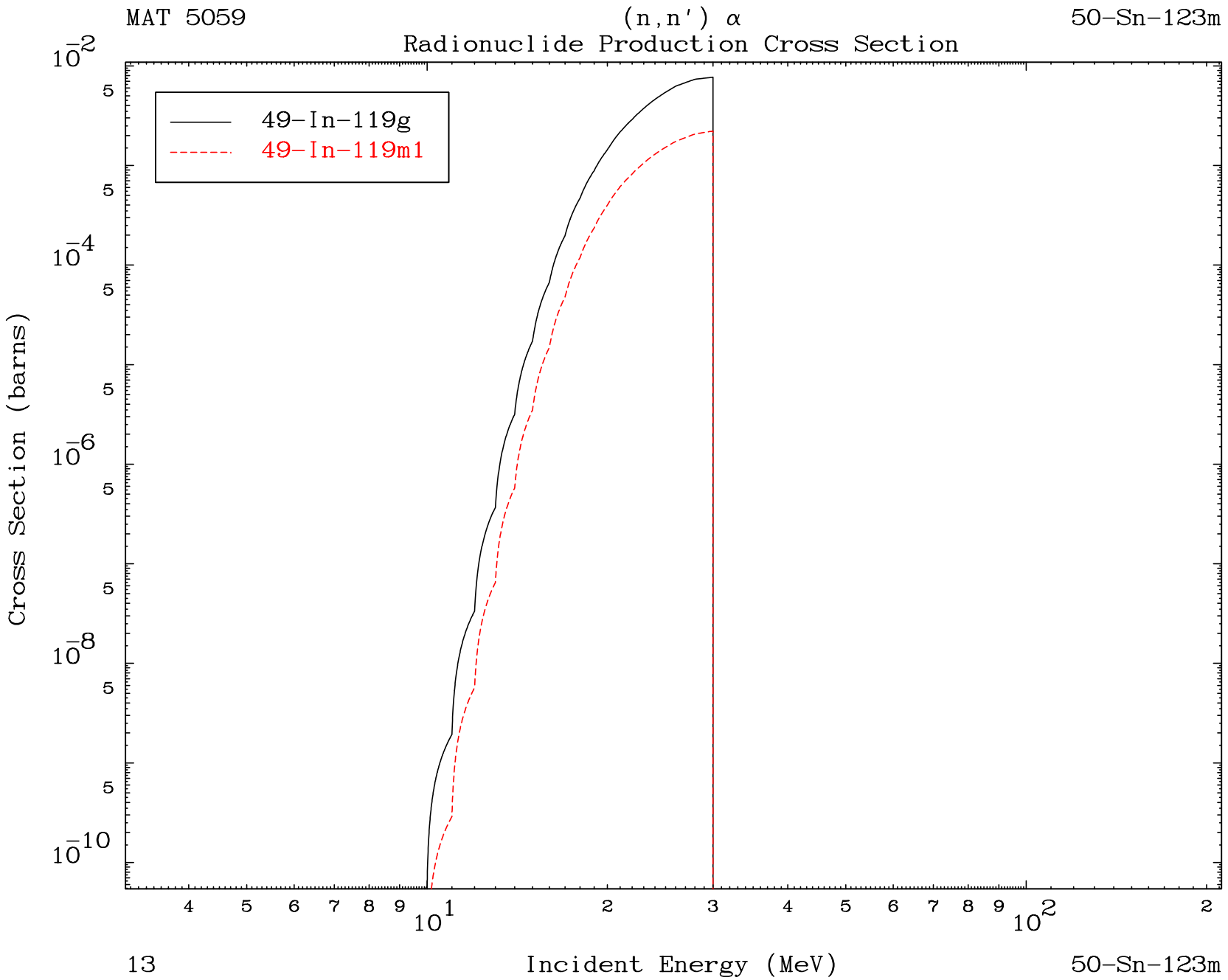

MAT 5059
(p,d) Levels
50-Sn-123m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-123m

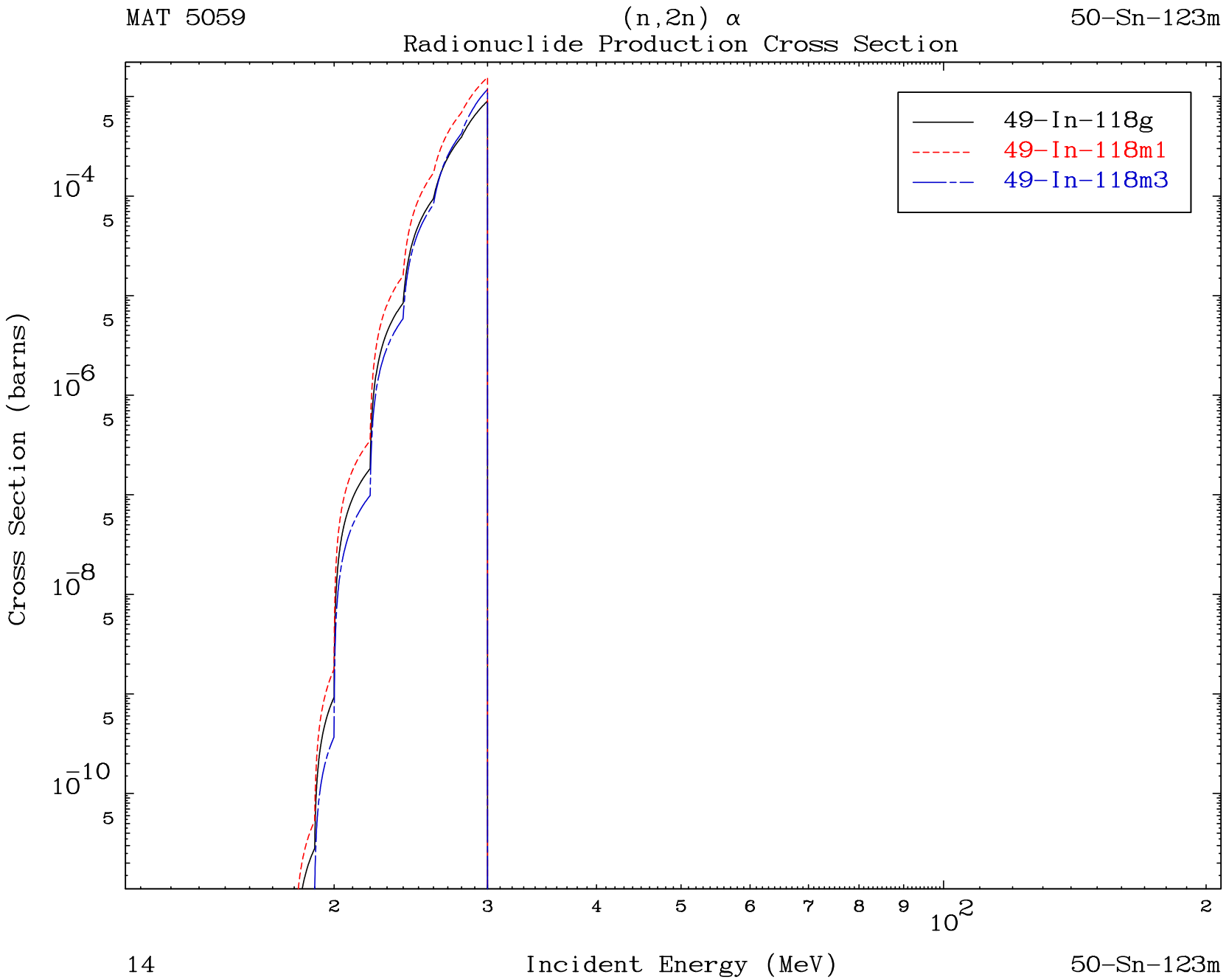

MAT 5059
(p,t) Levels
50-Sn-123m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
9
50-Sn-123m

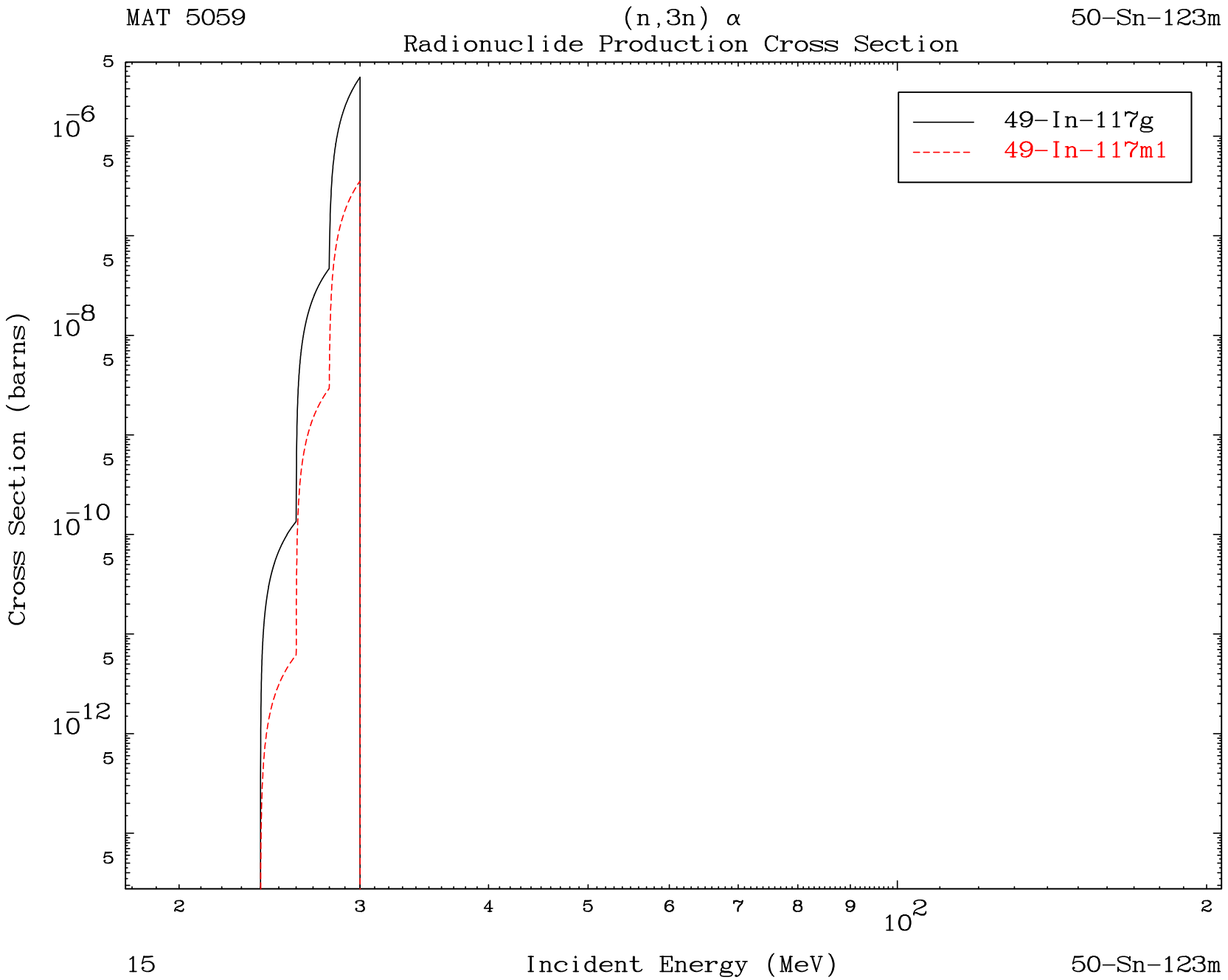

MAT 5059
(p,He3) Levels
50-Sn-123m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-123m

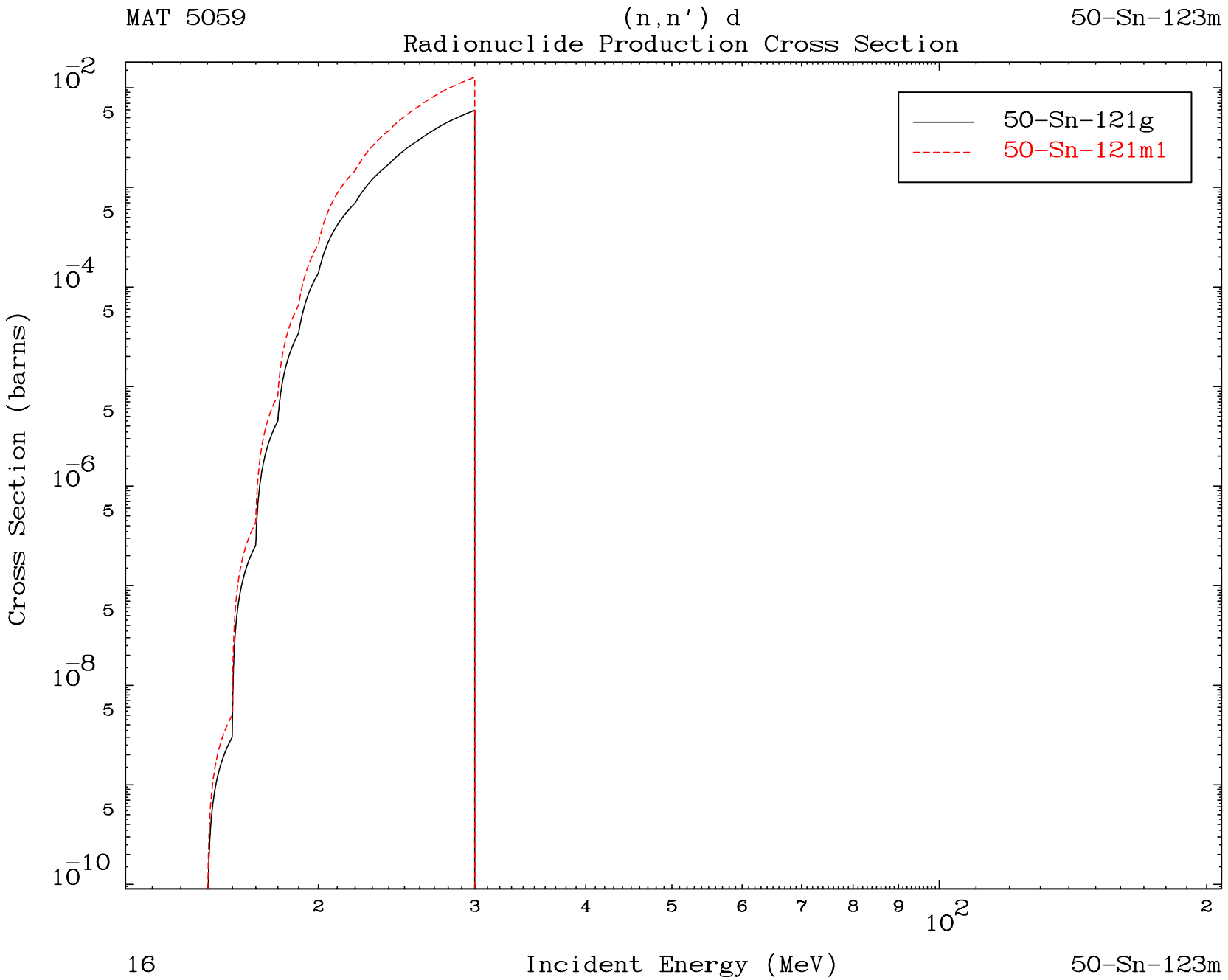

MAT 5059
(p,α) Levels
50-Sn-123m
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
4
6
8
100
101
102
11
Incident Energy (MeV)
50-Sn-123m

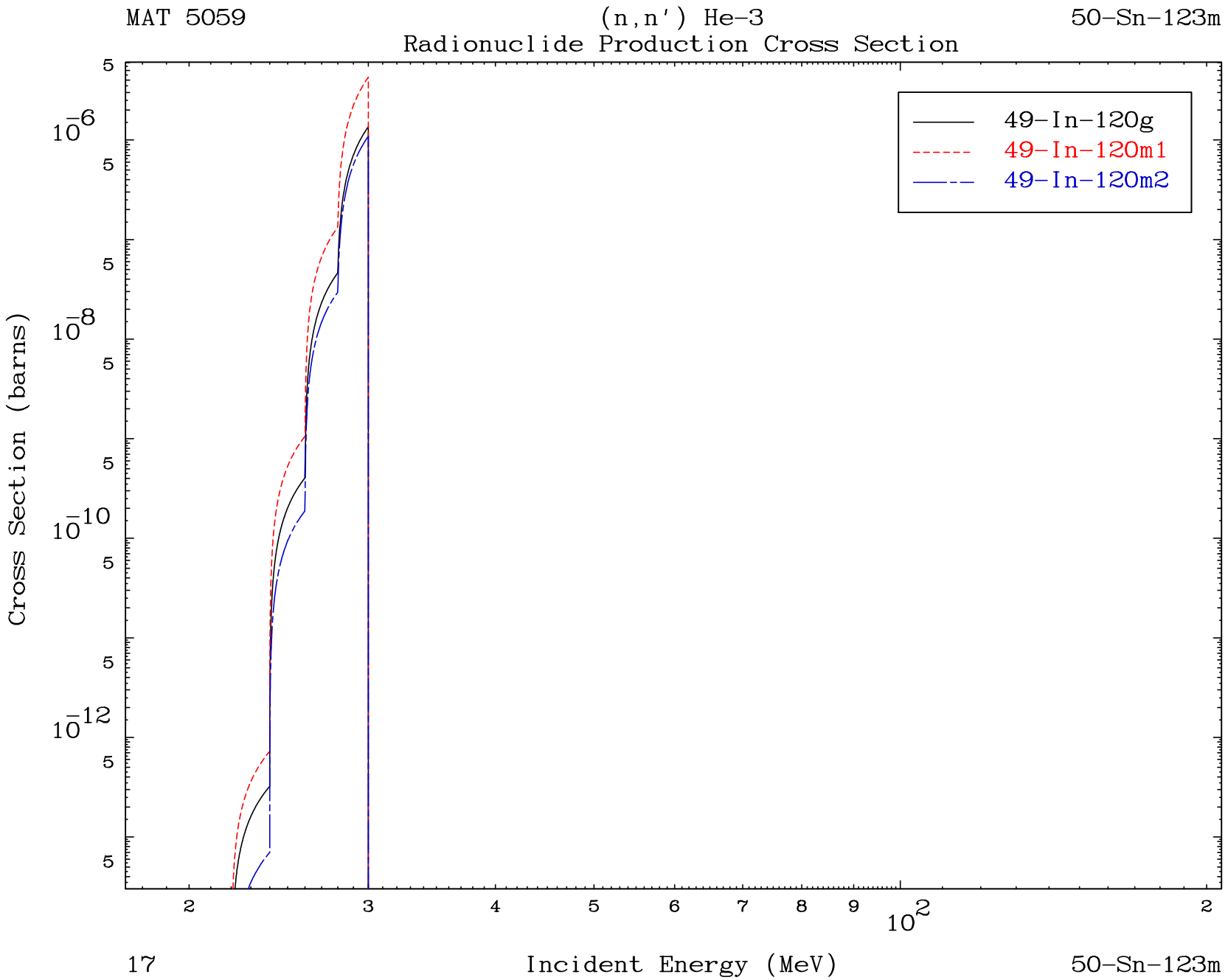

MAT 5059
(n,2n)
50-Sn-123m
Radionuclide Production Cross Section
51-Sb-122g
51-Sb-122m5
Cross Section (barns)
Incident Energy (MeV)
12
50-Sn-123m

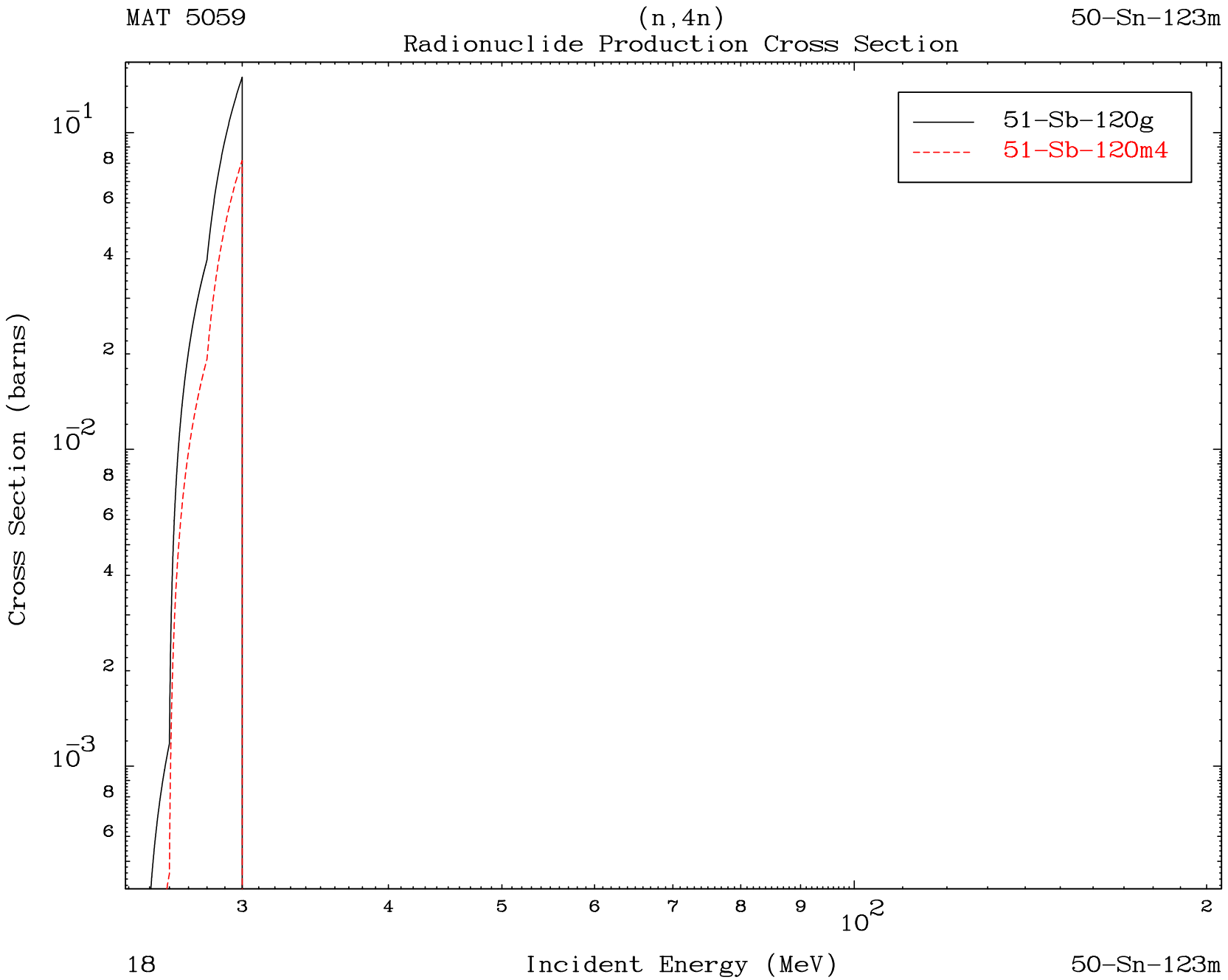

MAT 5059
(n,n') α
50-Sn-123m
Radionuclide Production Cross Section
49-In-119g
49-In-119m1
Cross Section (barns)
Incident Energy (MeV)
13
50-Sn-123m

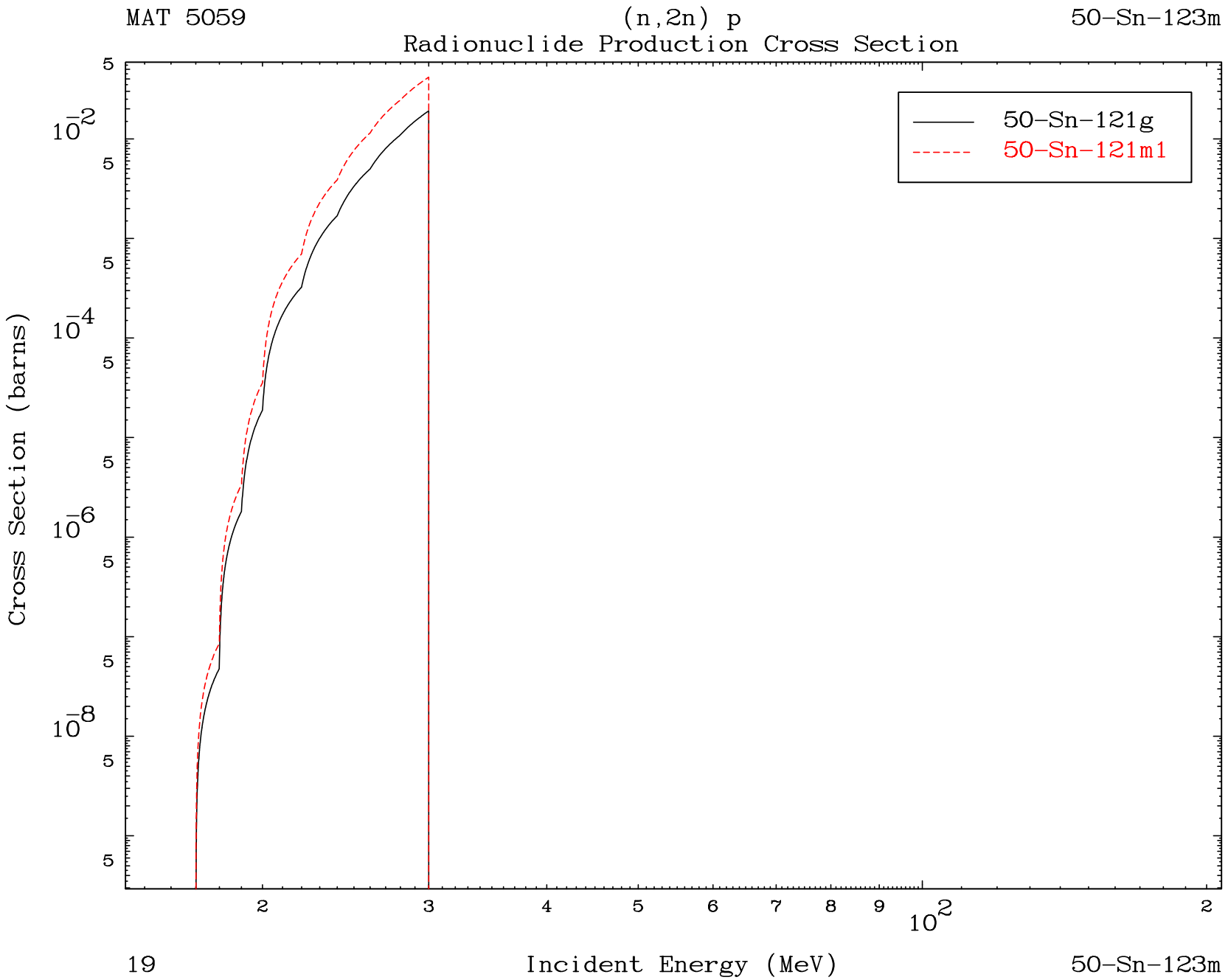

MAT 5059
(n,2n) α
50-Sn-123m
Radionuclide Production Cross Section
49-In-118g
49-In-118m1
49-In-118m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
50-Sn-123m

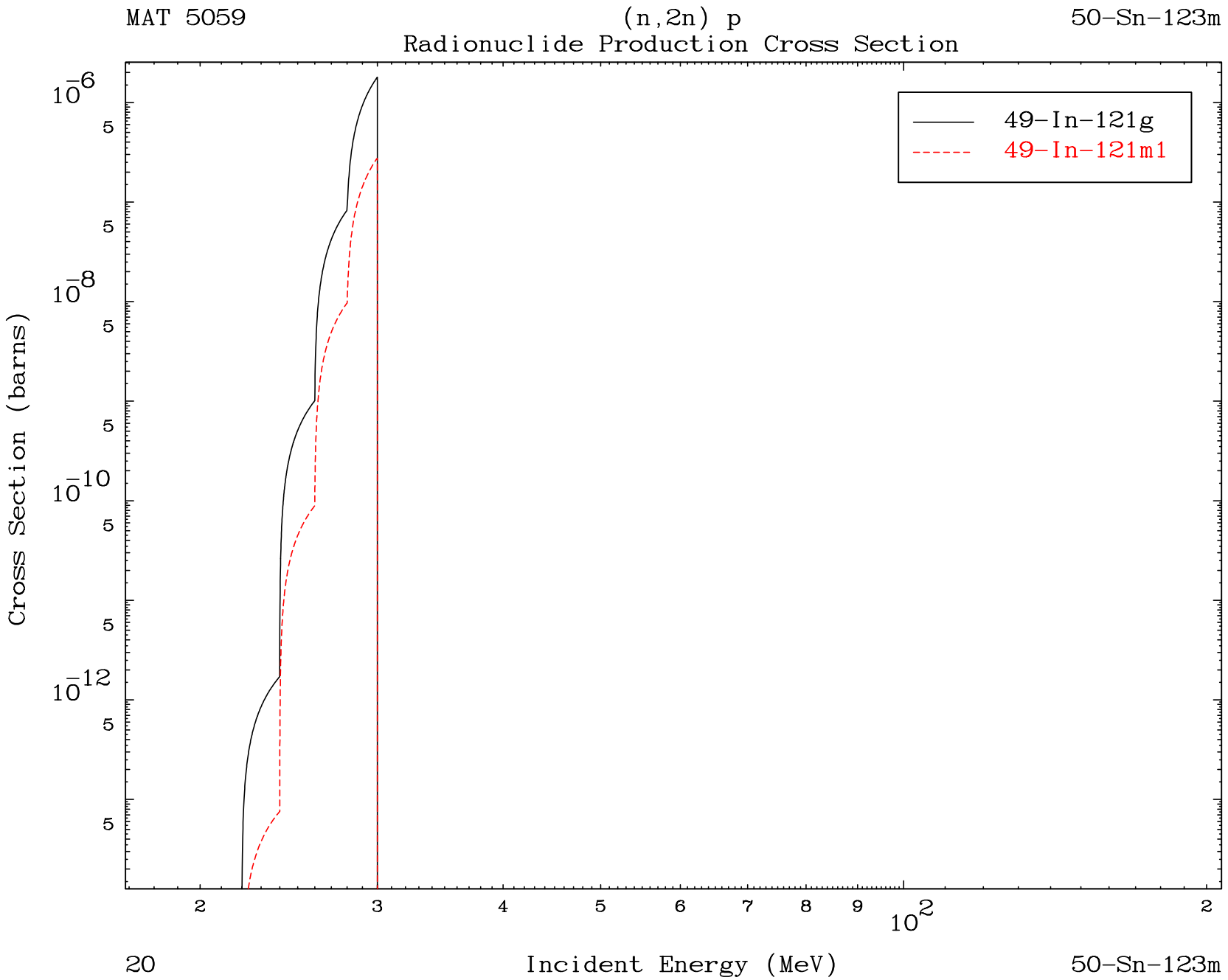

MAT 5059
(n,3n) α
50-Sn-123m
Radionuclide Production Cross Section
49-In-117g
49-In-117m1
Cross Section (barns)
Incident Energy (MeV)
15
50-Sn-123m

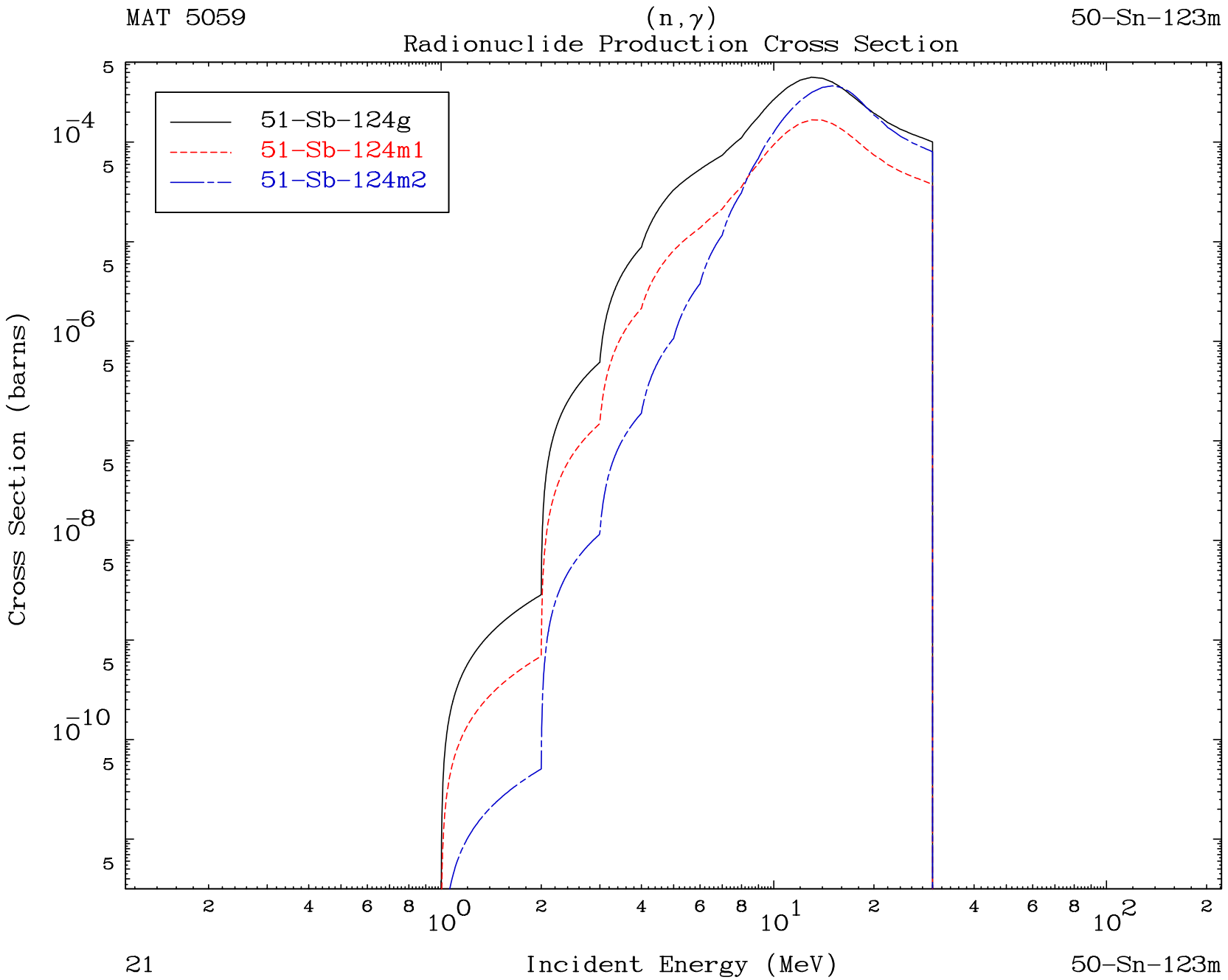

MAT 5059
(n,n') d
50-Sn-123m
Radionuclide Production Cross Section
50-Sn-121g
50-Sn-121m1
Cross Section (barns)
Incident Energy (MeV)
16
50-Sn-123m

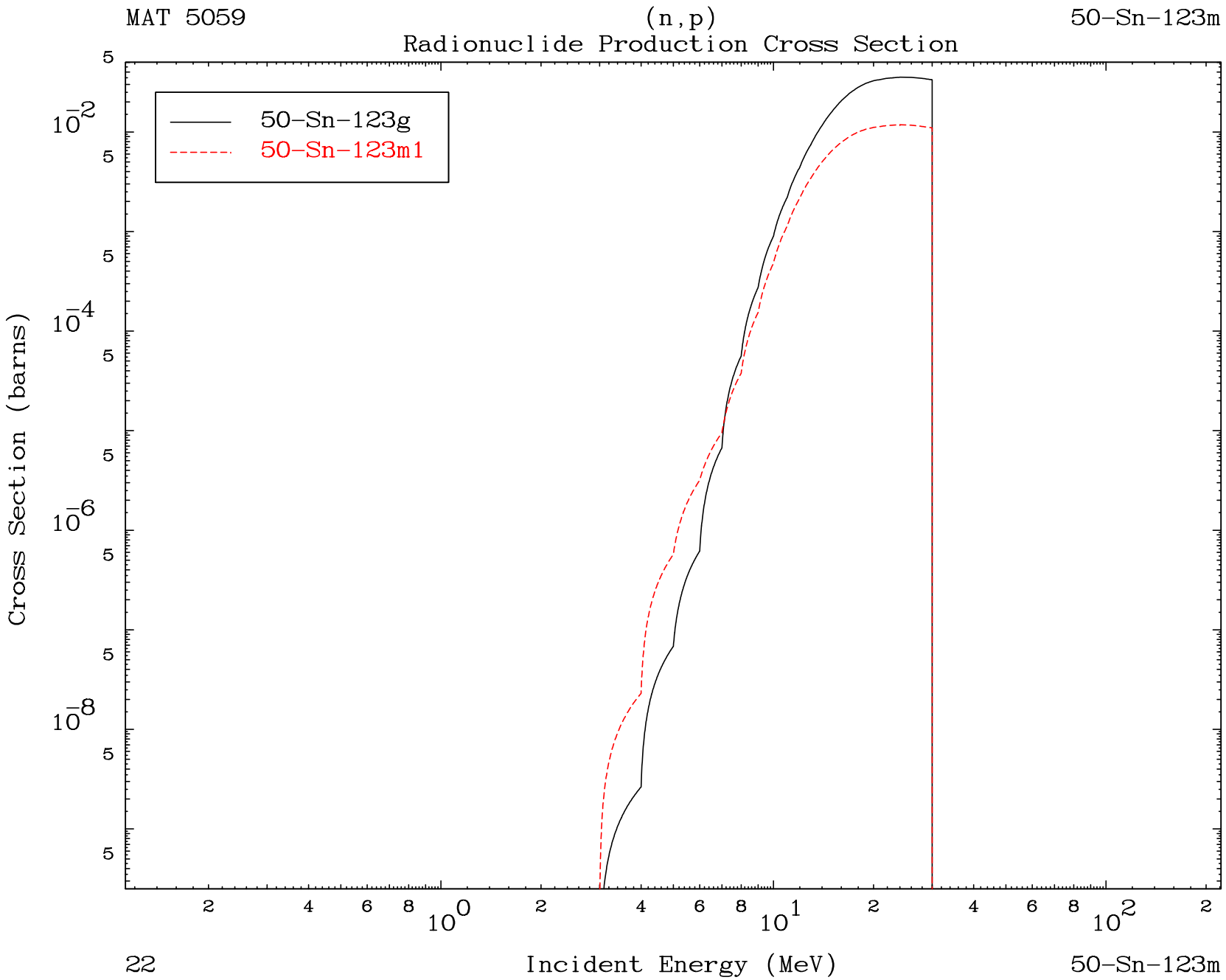

MAT 5059
(n,n') He-3
50-Sn-123m
Radionuclide Production Cross Section
49-In-120g
49-In-120m1
49-In-120m2
Cross Section (barns)
Incident Energy (MeV)
17
50-Sn-123m

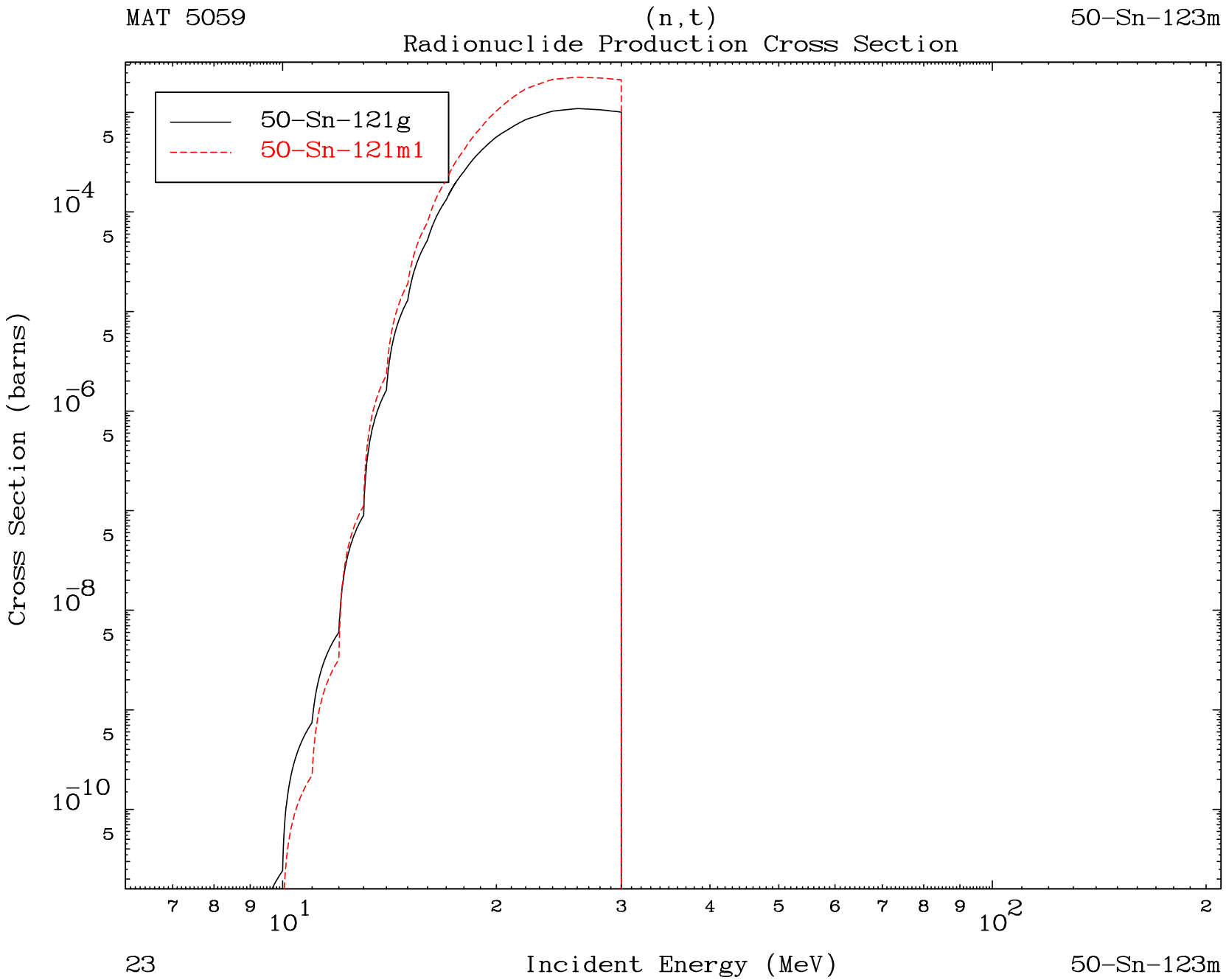

MAT 5059
(n,4n)
50-Sn-123m
Radionuclide Production Cross Section
51-Sb-120g
51-Sb-120m4
Cross Section (barns)
Incident Energy (MeV)
18
50-Sn-123m

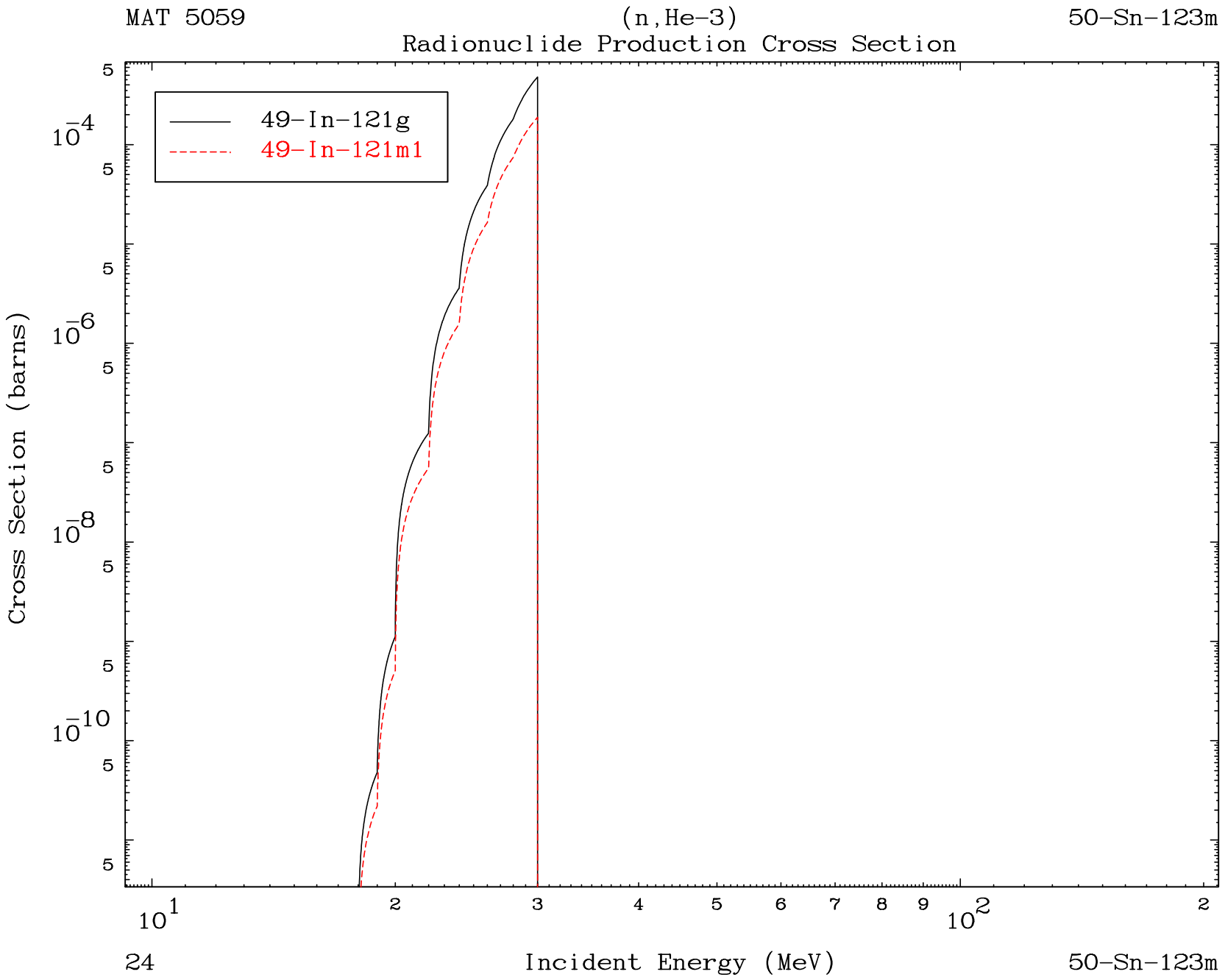

MAT 5059
(n,2n) p
50-Sn-123m
Radionuclide Production Cross Section
50-Sn-121g
50-Sn-121m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
50-Sn-123m

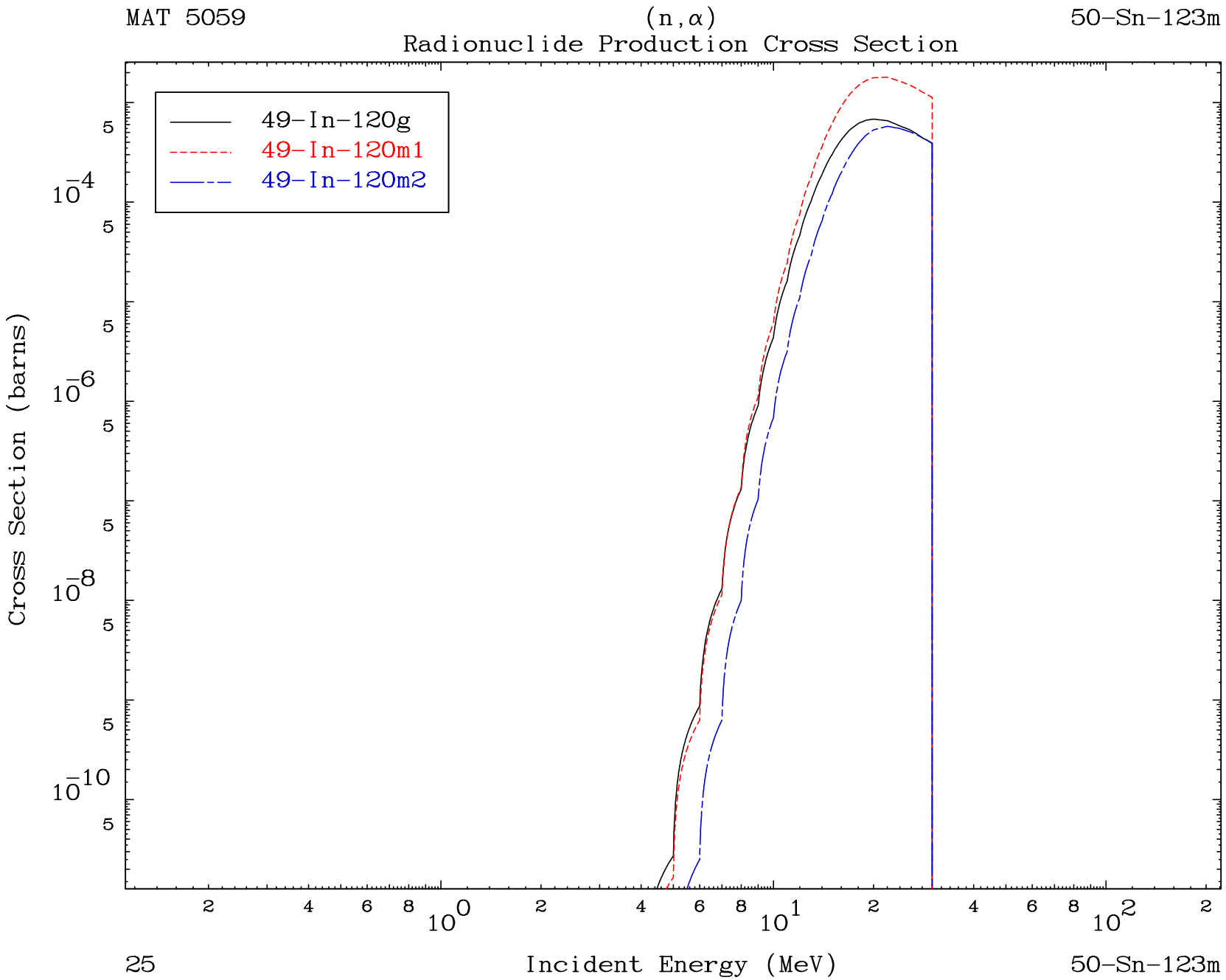

MAT 5059
(n,2n) p
50-Sn-123m
Radionuclide Production Cross Section
49-In-121g
49-In-121m1
Cross Section (barns)
Incident Energy (MeV)
20
50-Sn-123m

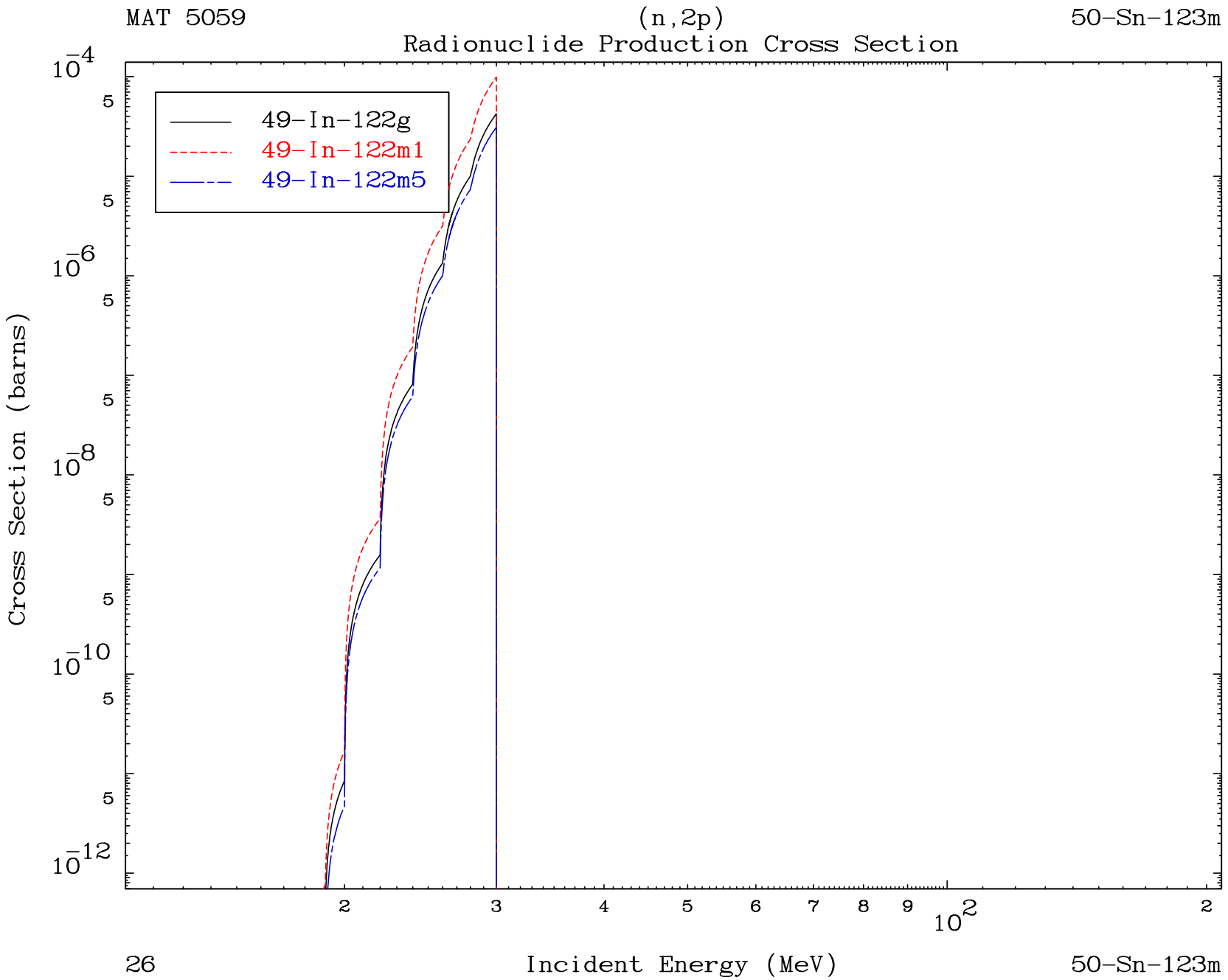

MAT 5059
(n,γ)
50-Sn-123m
Radionuclide Production Cross Section
51-Sb-124g
51-Sb-124m1
51-Sb-124m2
Cross Section (barns)
Incident Energy (MeV)
21
50-Sn-123m

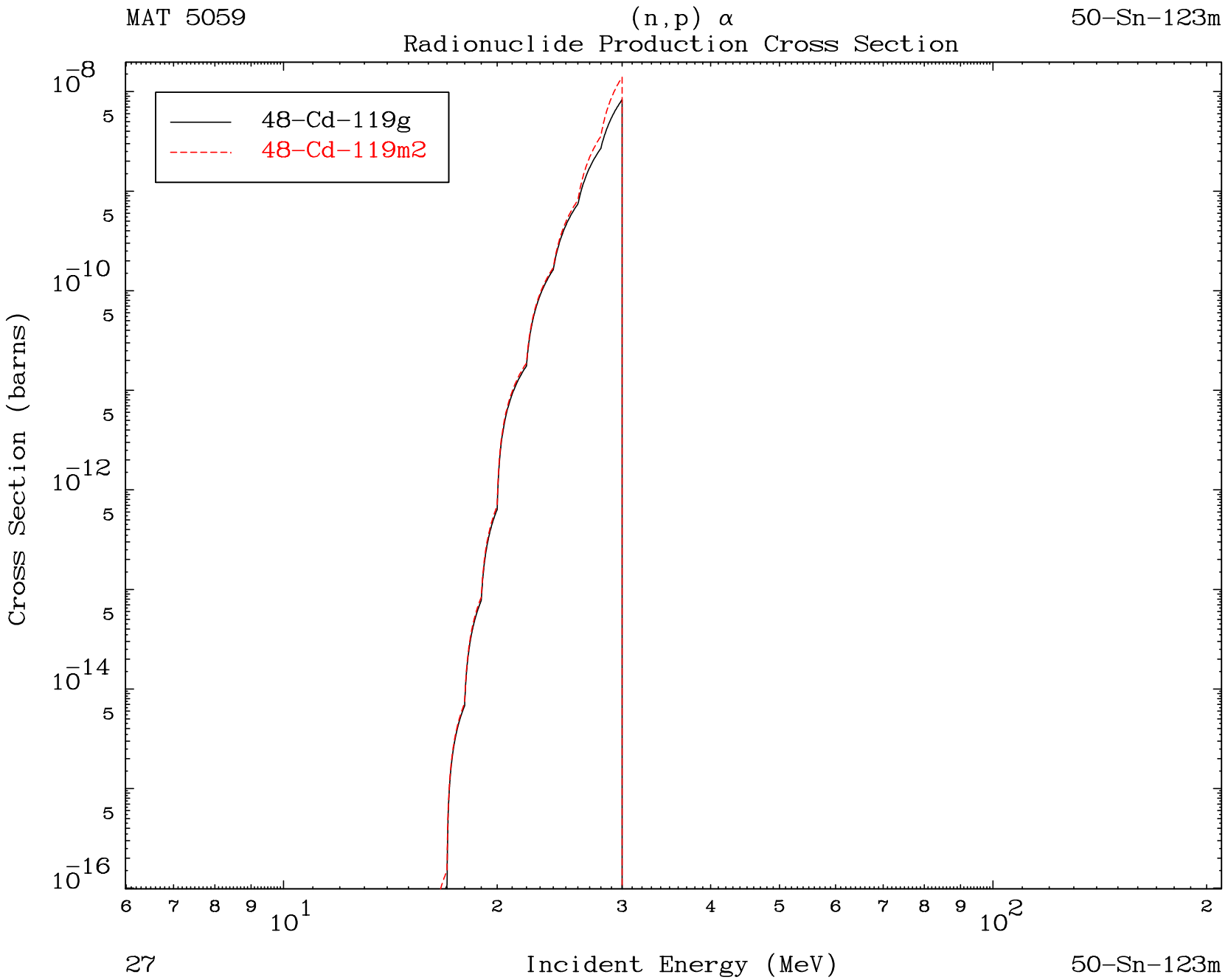

MAT 5059
(n,p)
50-Sn-123m
Radionuclide Production Cross Section
50-Sn-123g
50-Sn-123m1
Cross Section (barns)
Incident Energy (MeV)
22
50-Sn-123m

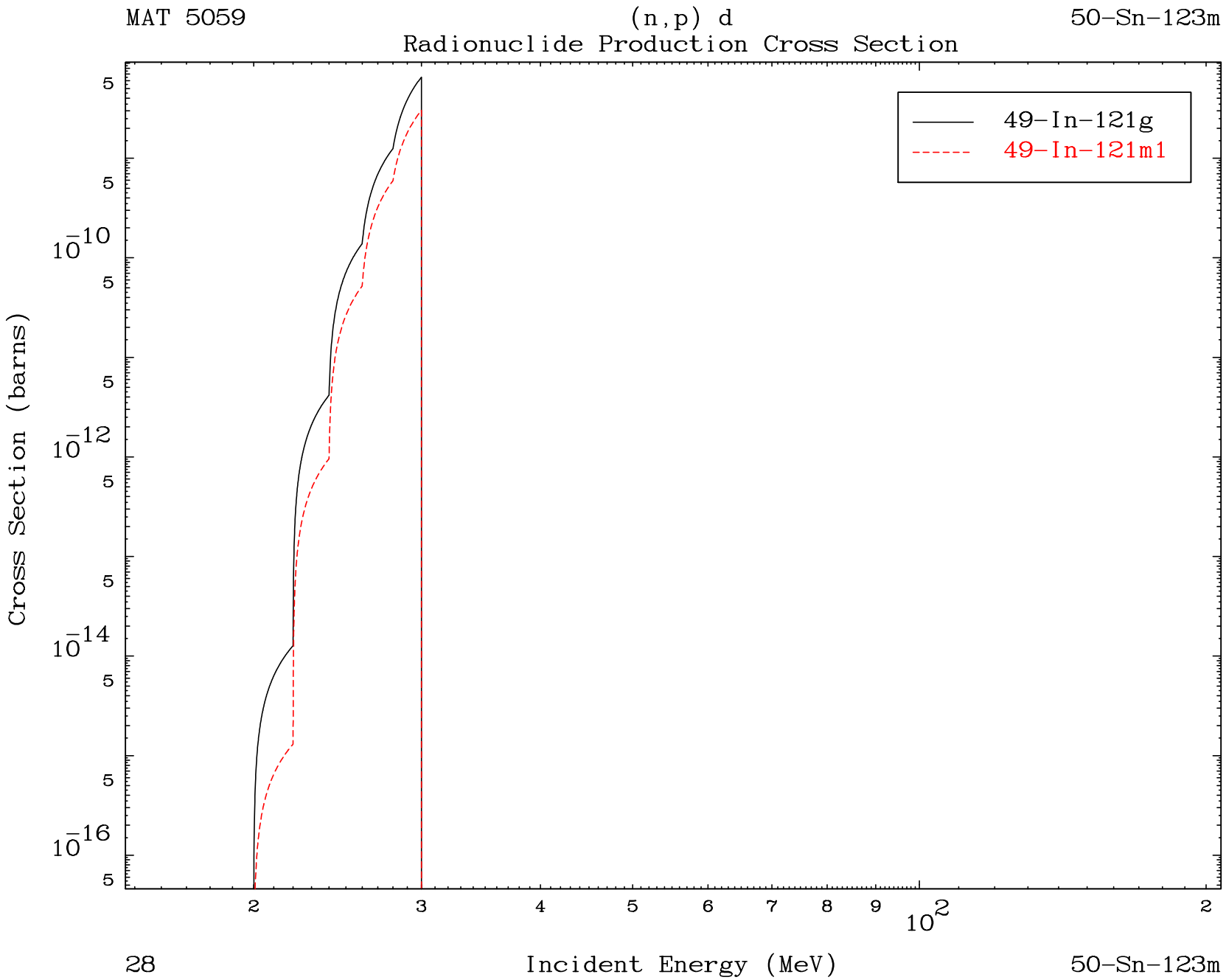

MAT 5059
(n,t)
50-Sn-123m
Radionuclide Production Cross Section
50-Sn-121g
50-Sn-121m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
7 8 9
10 1
2
3
4
5
6
7
8
9
10 2
2
23
Incident Energy (MeV)
50-Sn-123m

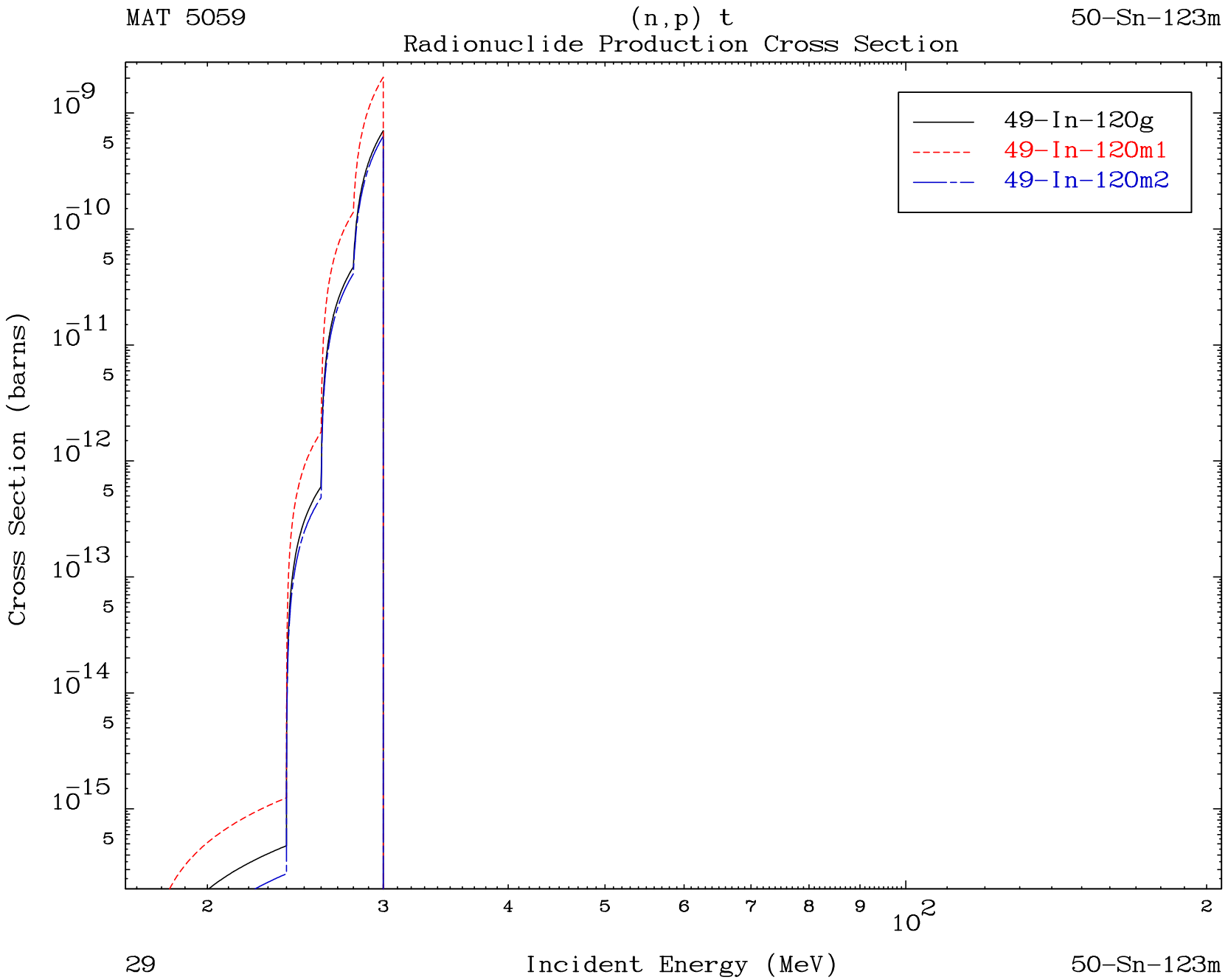

MAT 5059
(n,He-3)
50-Sn-123m
Radionuclide Production Cross Section
49-In-121g
49-In-121m1
Cross Section (barns)
Incident Energy (MeV)
24
50-Sn-123m


MAT 5059
(n,α)
50-Sn-123m
Radionuclide Production Cross Section
49-In-120g
49-In-120m1
49-In-120m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
25
50-Sn-123m


MAT 5059
(n,2p)
50-Sn-123m
Radionuclide Production Cross Section
49-In-122g
49-In-122m1
49-In-122m5
Cross Section (barns)
Incident Energy (MeV)
26
50-Sn-123m


MAT 5059
(n,p) α
50-Sn-123m
Radionuclide Production Cross Section
48-Cd-119g
48-Cd-119m2
Cross Section (barns)
Incident Energy (MeV)
27
50-Sn-123m


MAT 5059
(n,p) d
50-Sn-123m
Radionuclide Production Cross Section
49-In-121g
49-In-121m1
Cross Section (barns)
Incident Energy (MeV)
28
50-Sn-123m


MAT 5059
(n,p) t
50-Sn-123m
Radionuclide Production Cross Section
49-In-120g
49-In-120m1
49-In-120m2
Cross Section (barns)
Incident Energy (MeV)
29
50-Sn-123m