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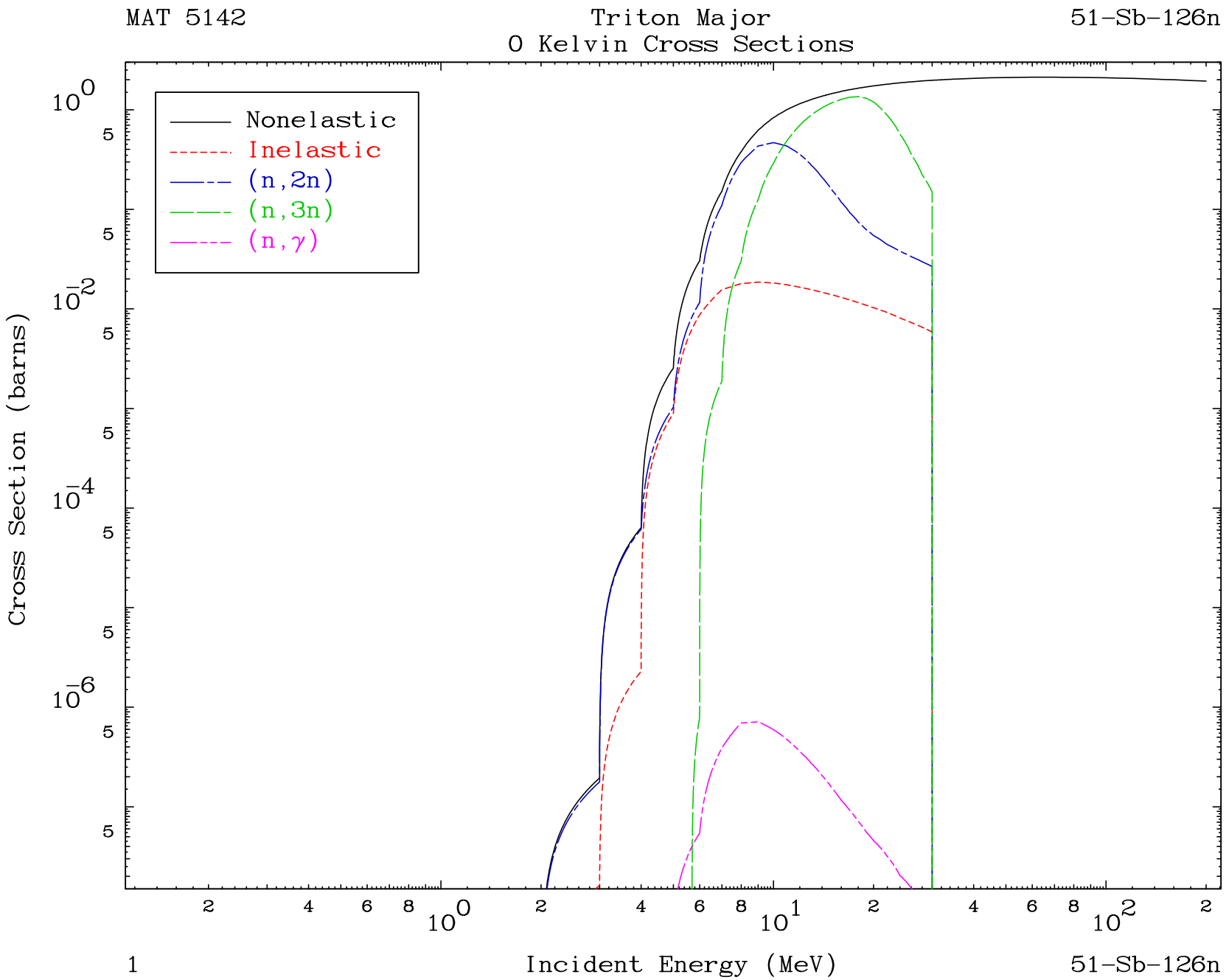
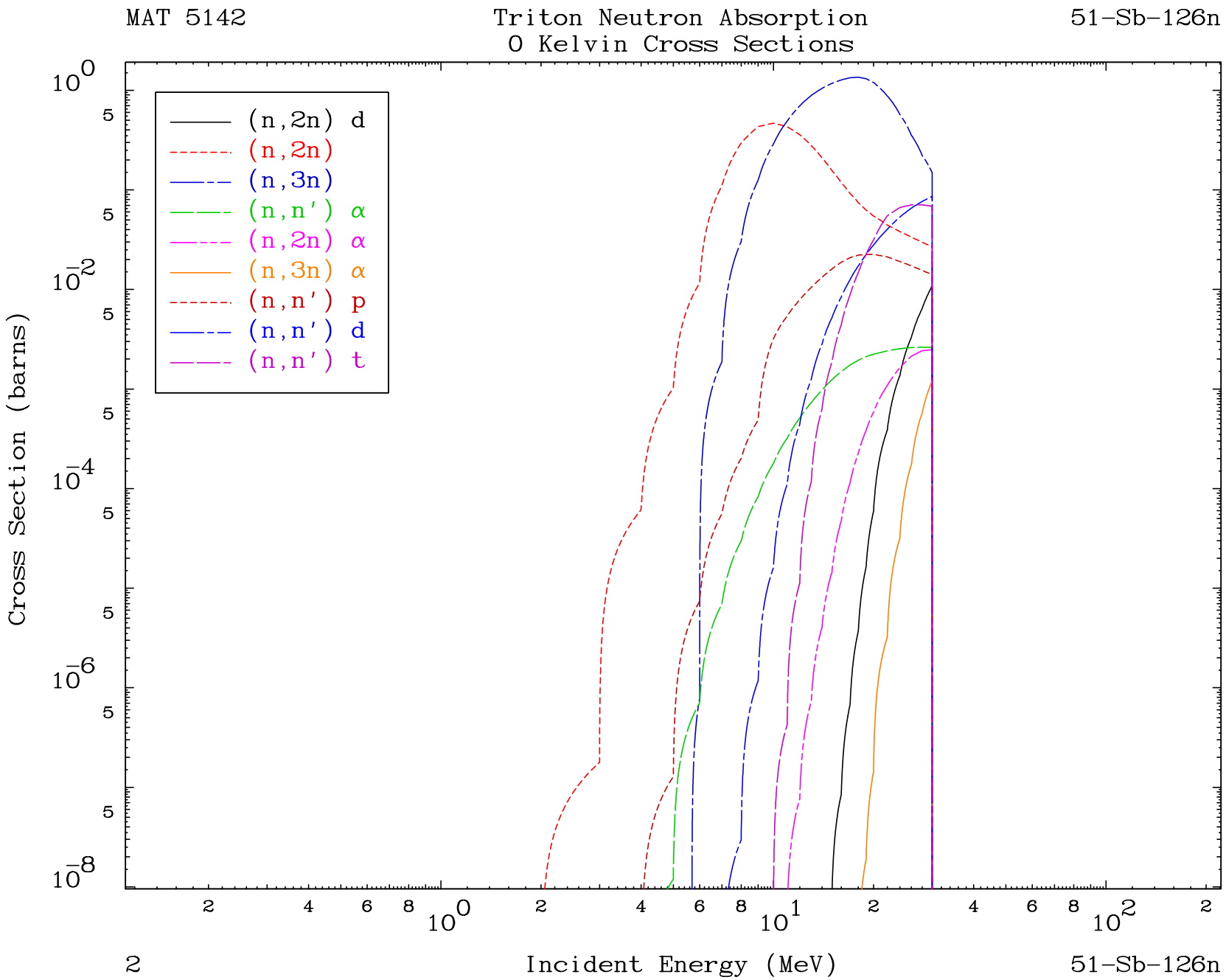
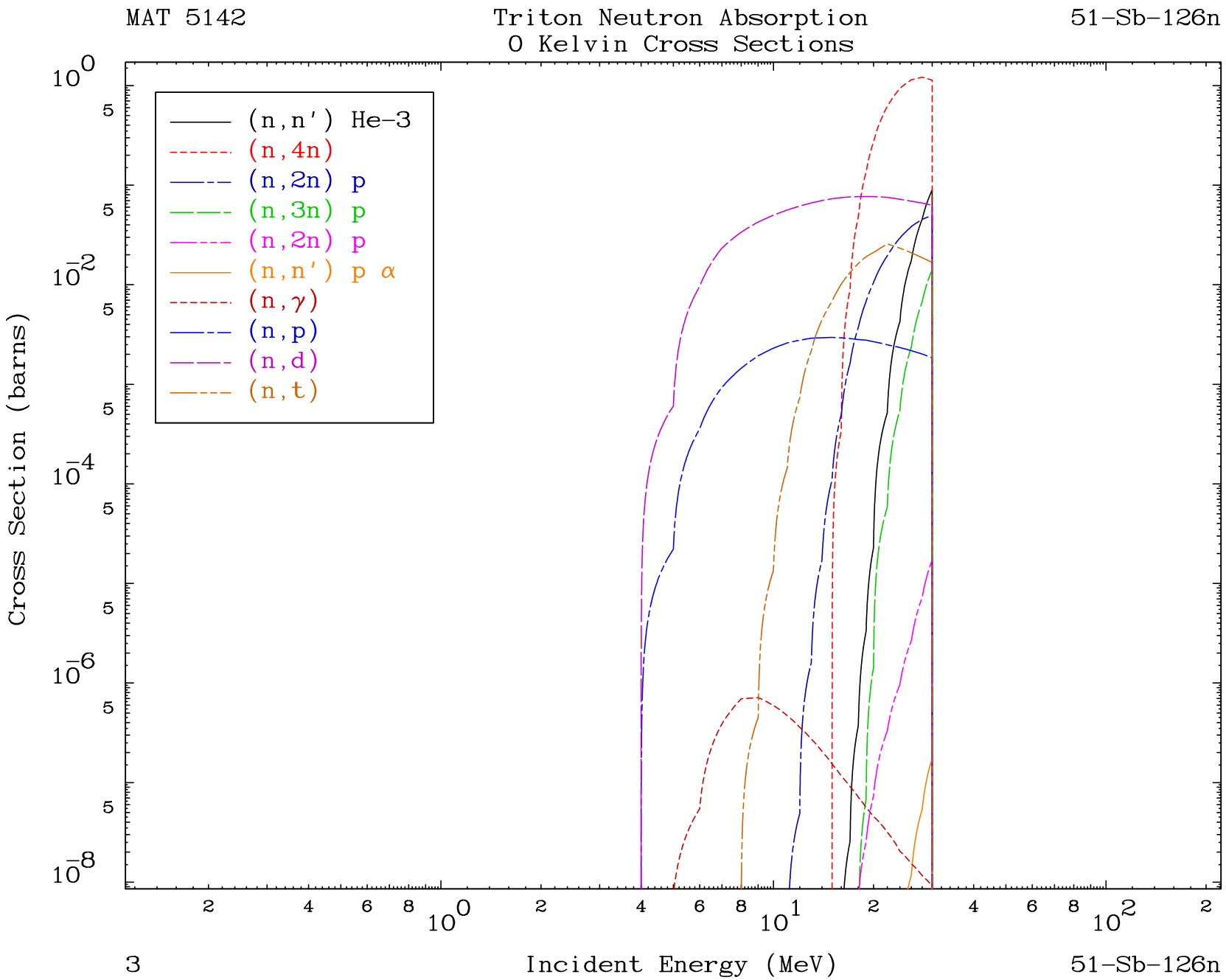
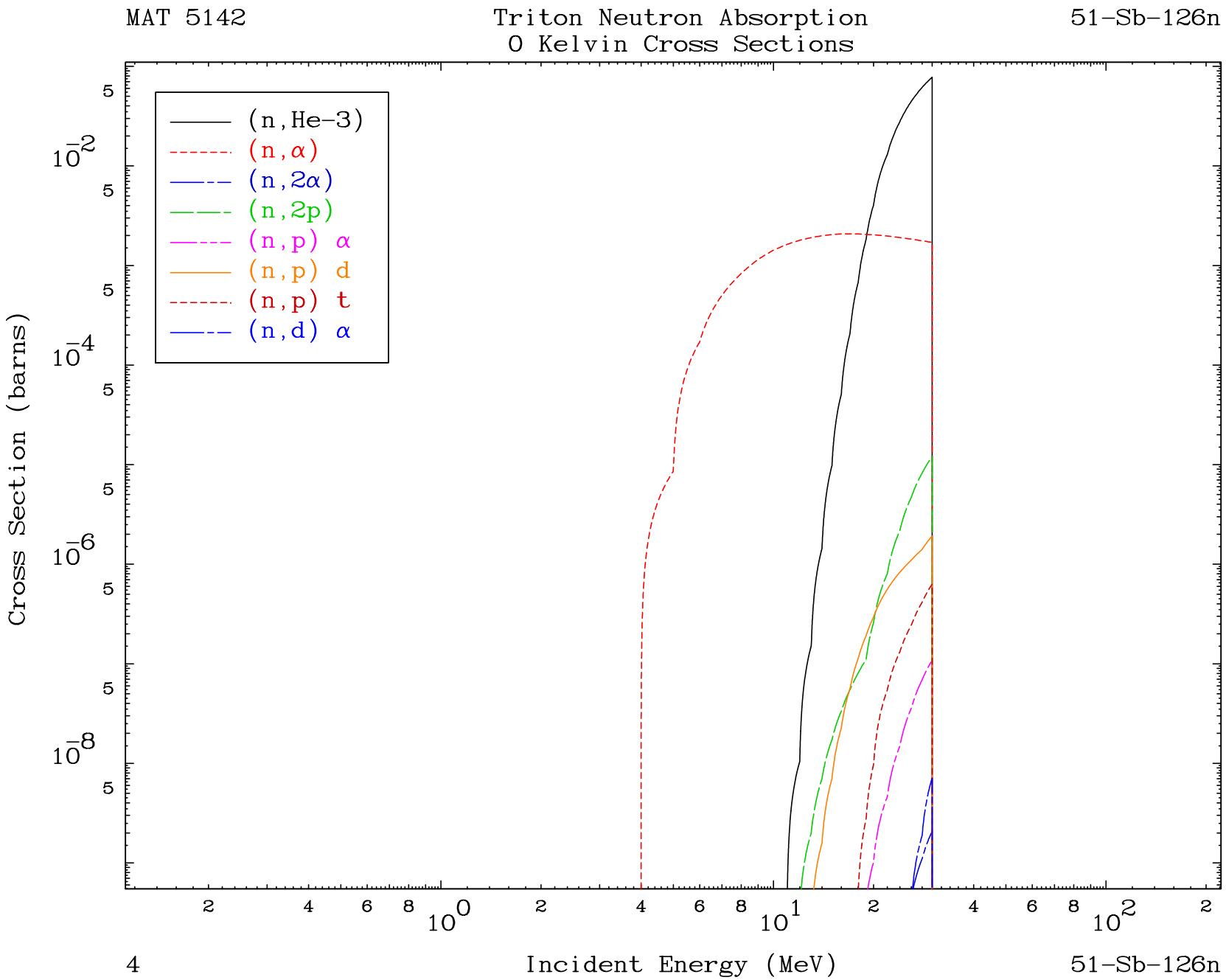
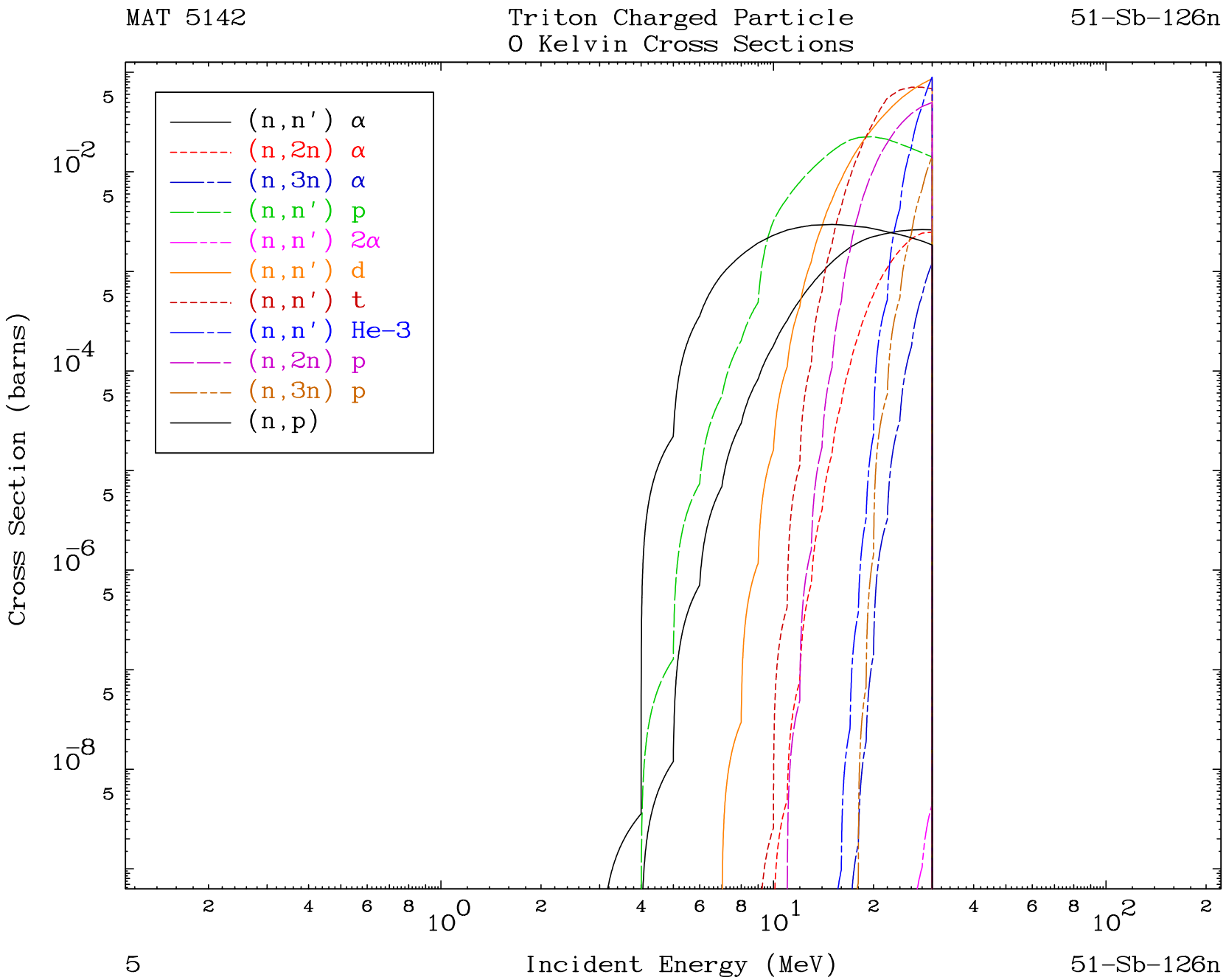
Press Mouse Button to Start

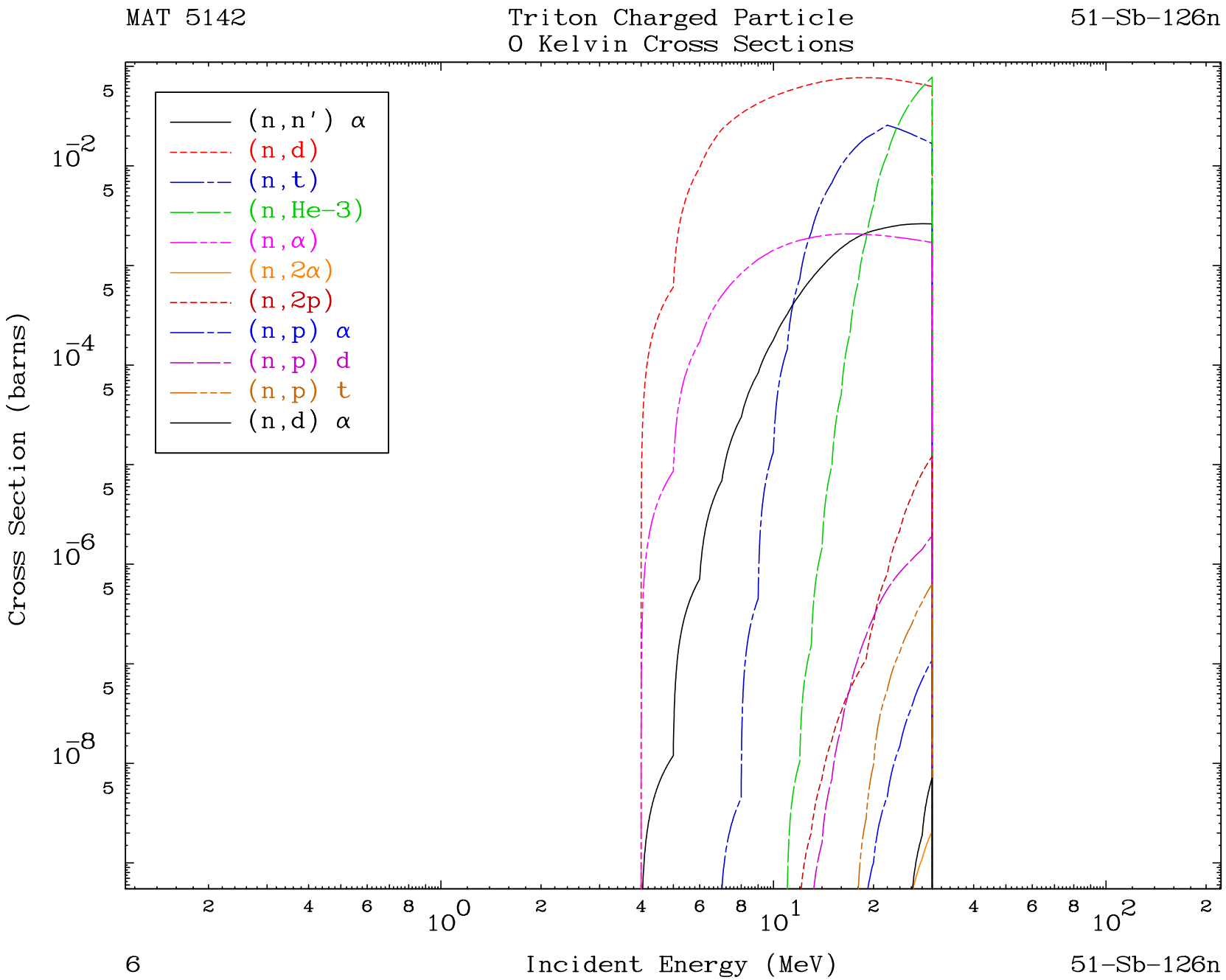

MAT 5142
Triton Major
51-Sb-126n
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
51-Sb-126n
1

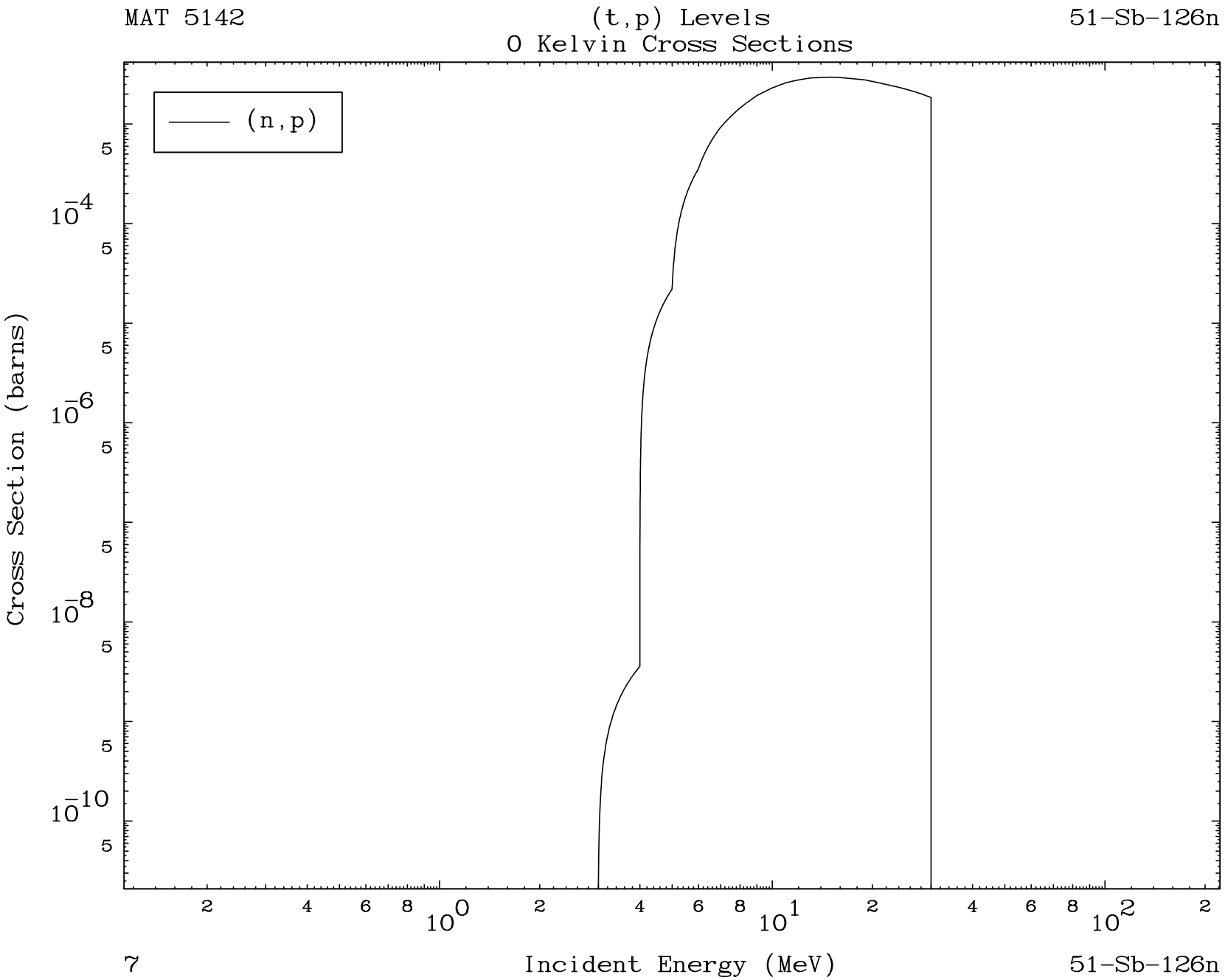

MAT 5142
Triton Neutron Absorption
0 Kelvin Cross Sections
51-Sb-126n
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
51-Sb-126n
2

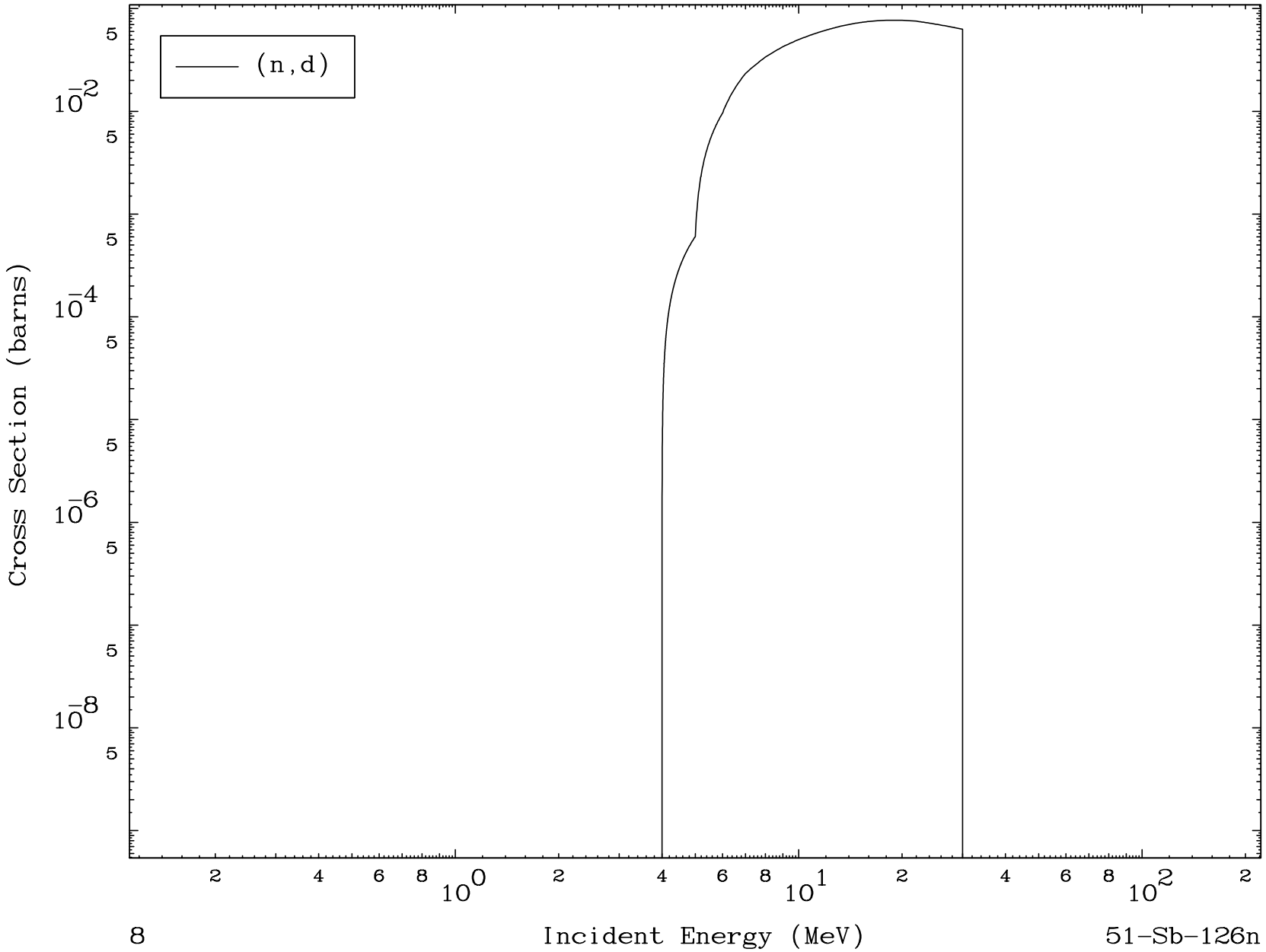

MAT 5142
Triton Neutron Absorption
0 Kelvin Cross Sections
51-Sb-126n
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
51-Sb-126n

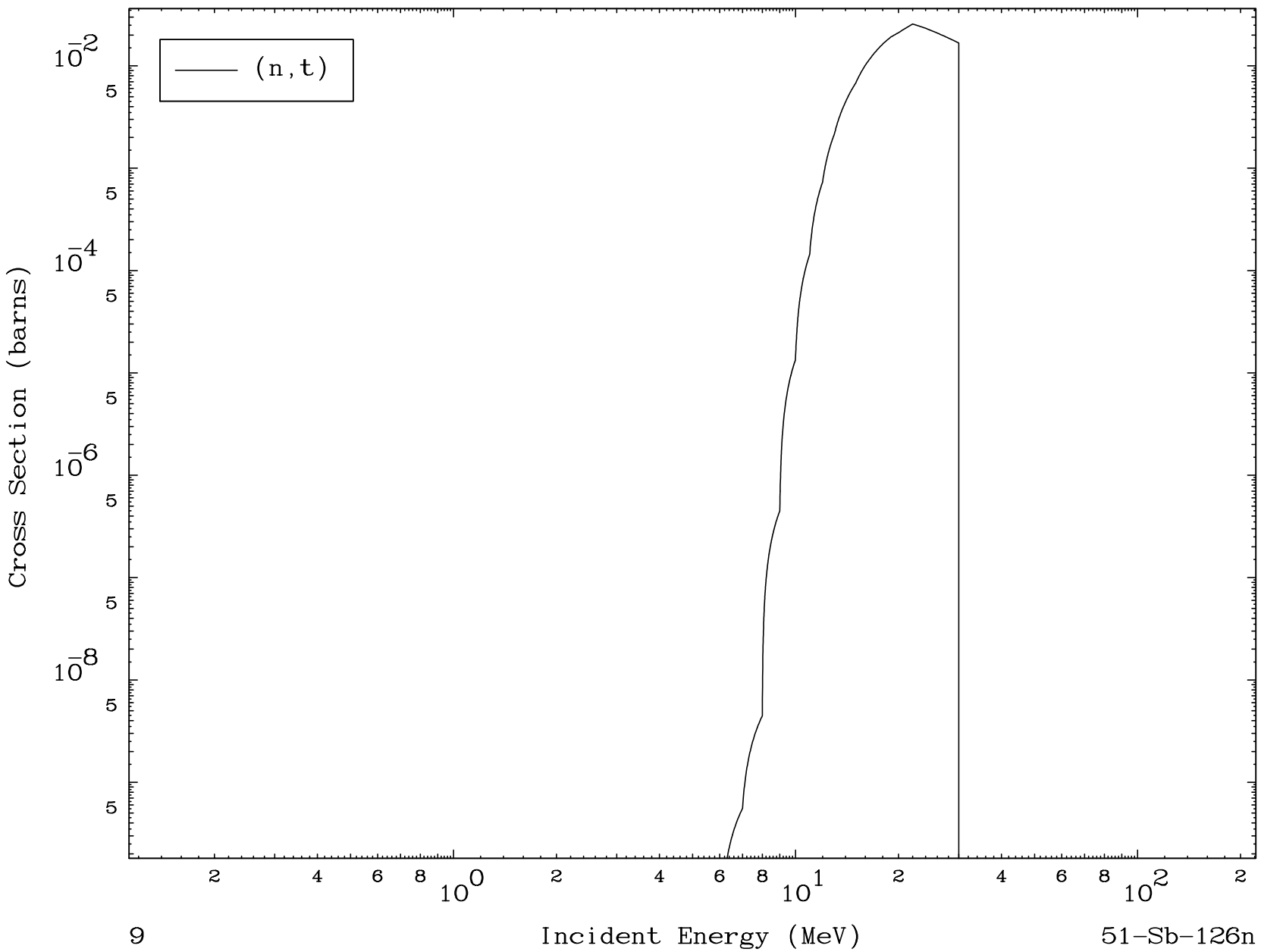

MAT 5142
Triton Neutron Absorption
0 Kelvin Cross Sections
51-Sb-126n
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
51-Sb-126n

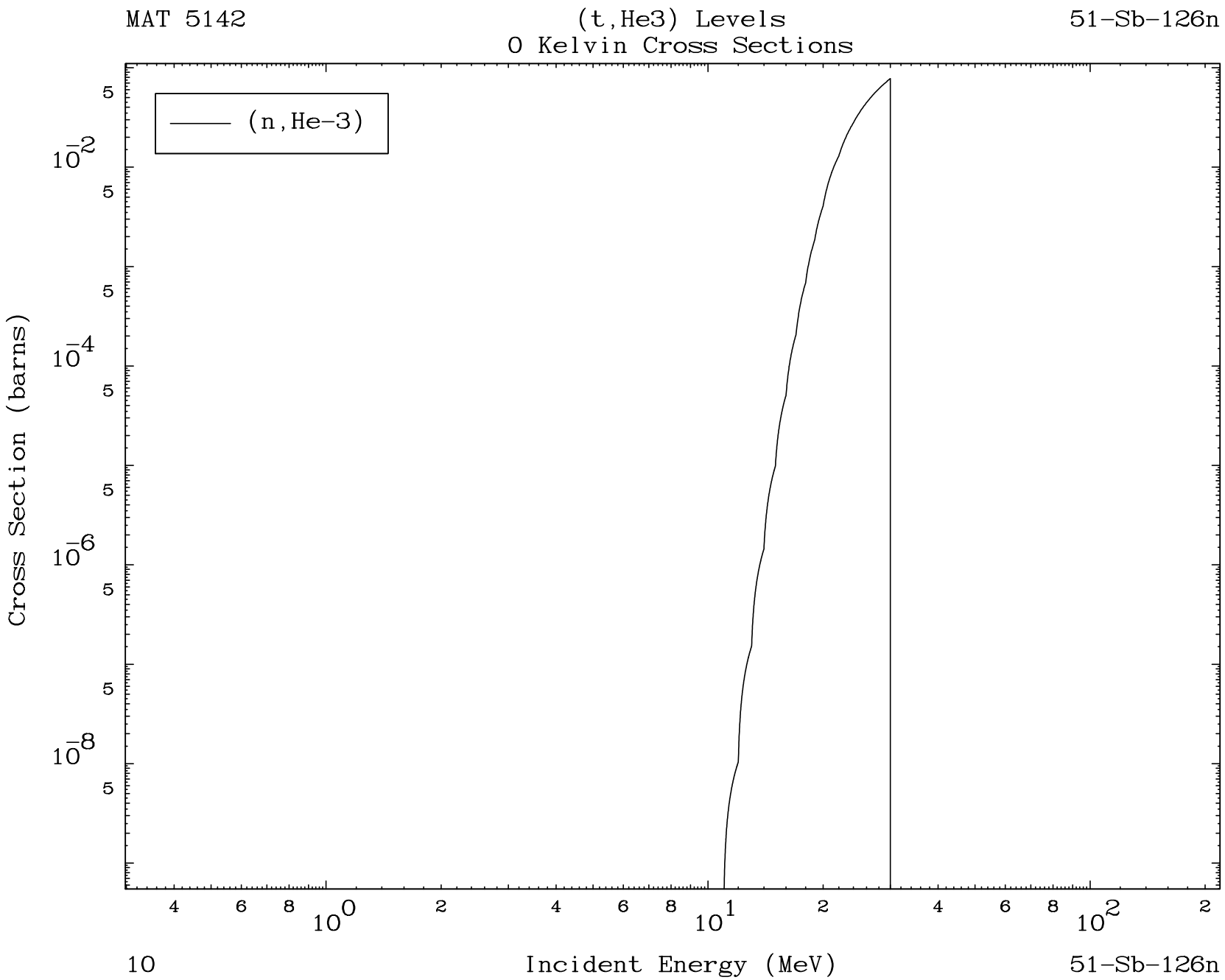

MAT 5142
Triton Charged Particle
0 Kelvin Cross Sections
51-Sb-126n
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
5
51-Sb-126n

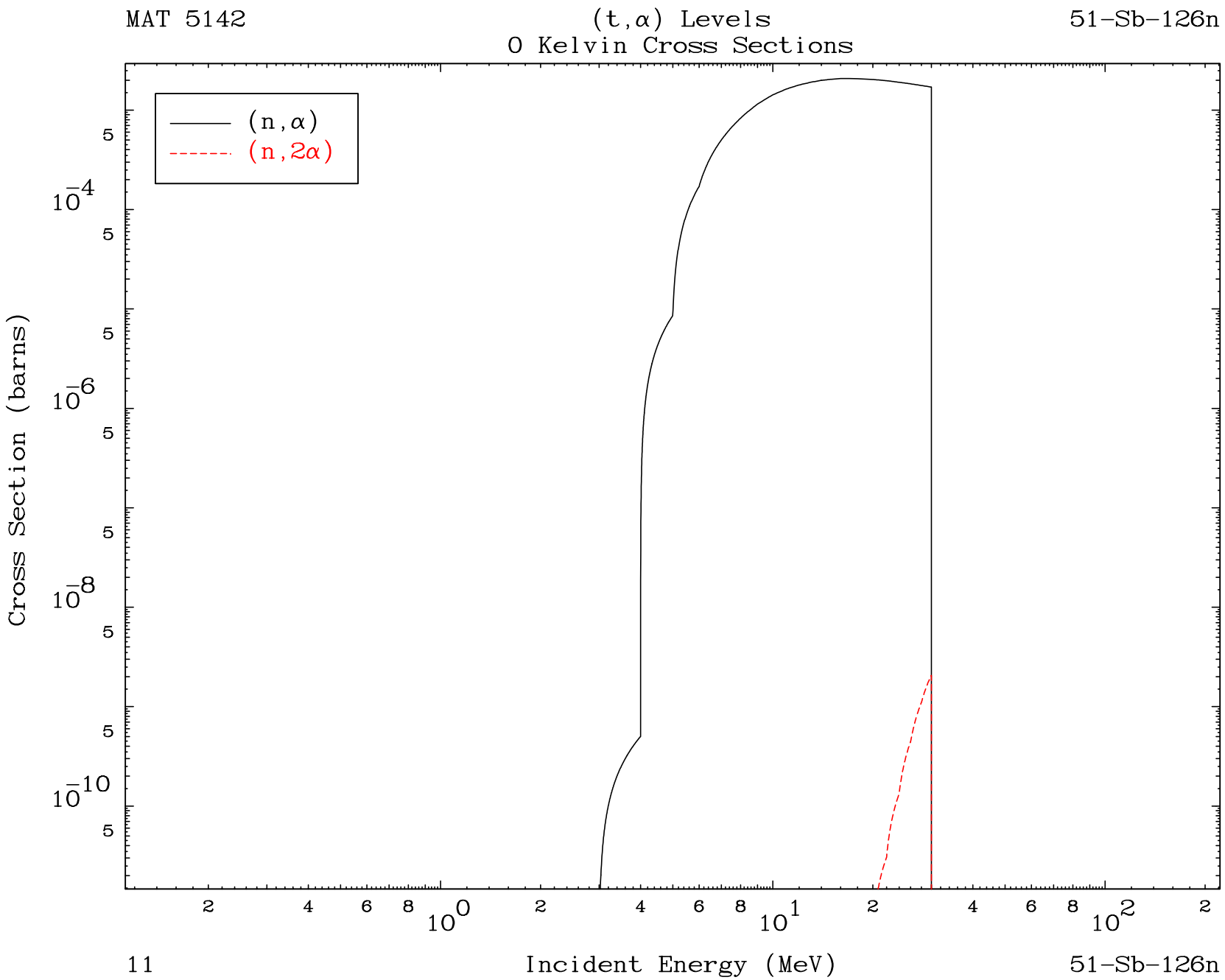

MAT 5142
Triton Charged Particle
0 Kelvin Cross Sections
51-Sb-126n
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
51-Sb-126n

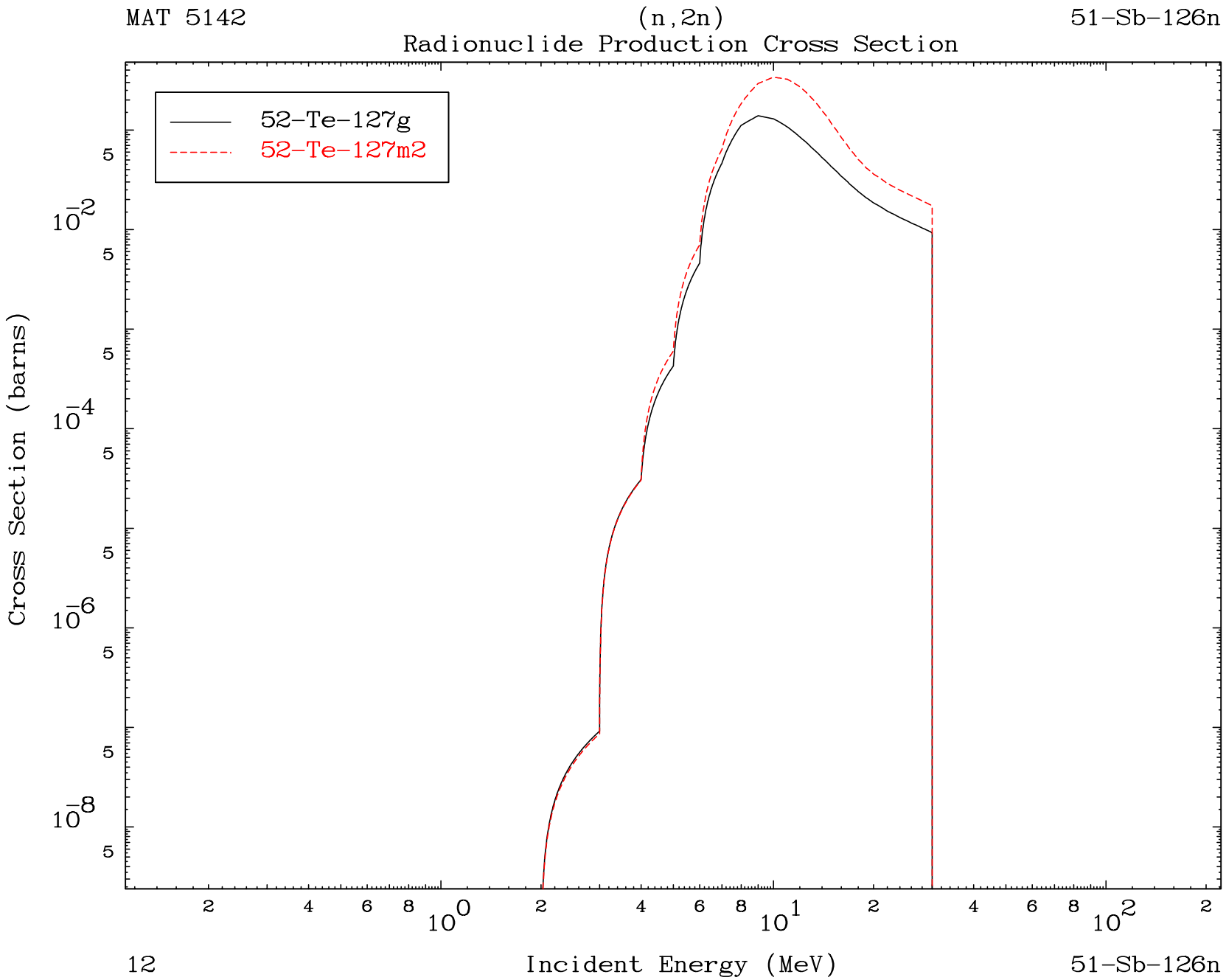

MAT 5142
(t,p) Levels
51-Sb-126n
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
4
6
8
100
101
102
Incident Energy (MeV)
7
51-Sb-126n

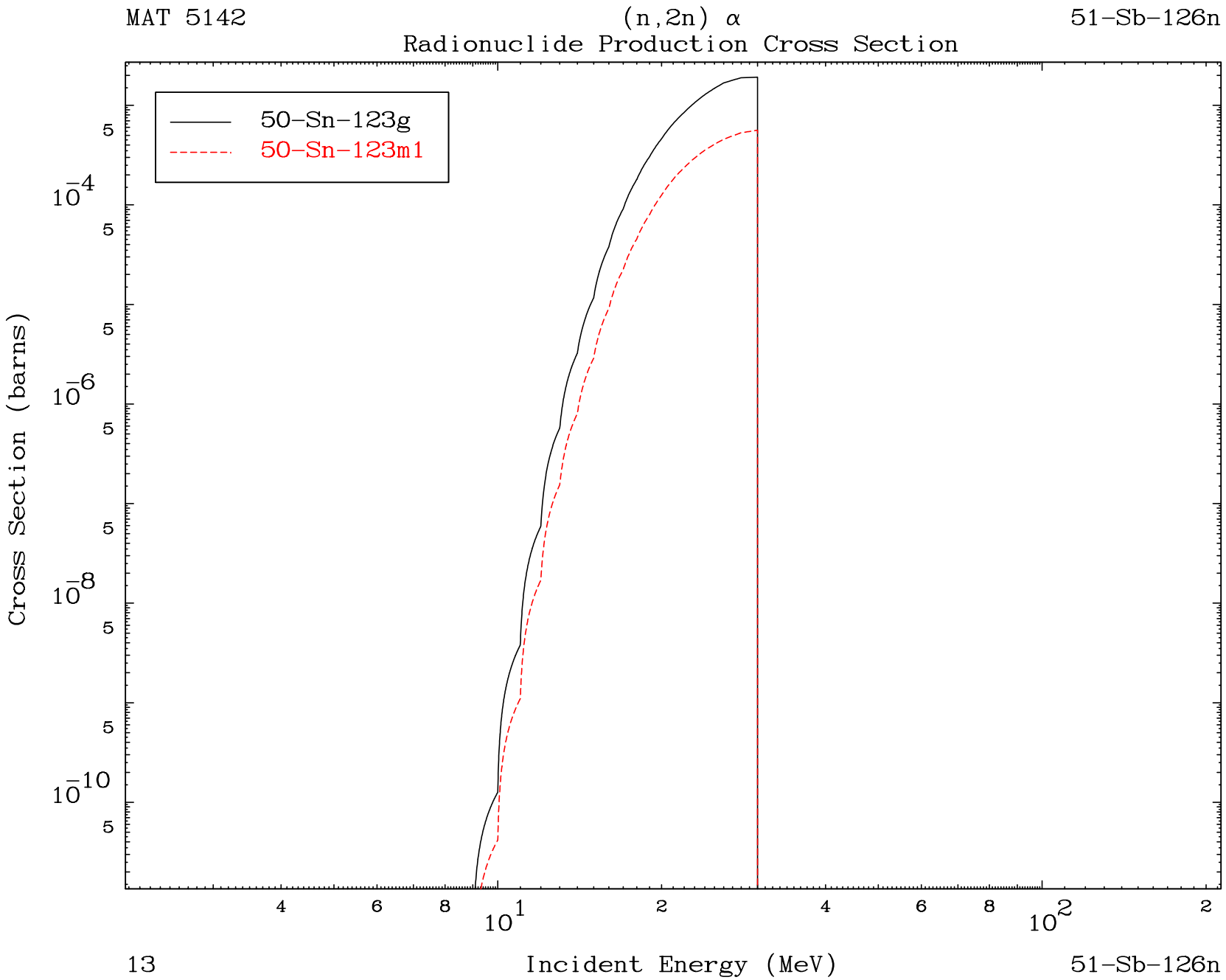

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)

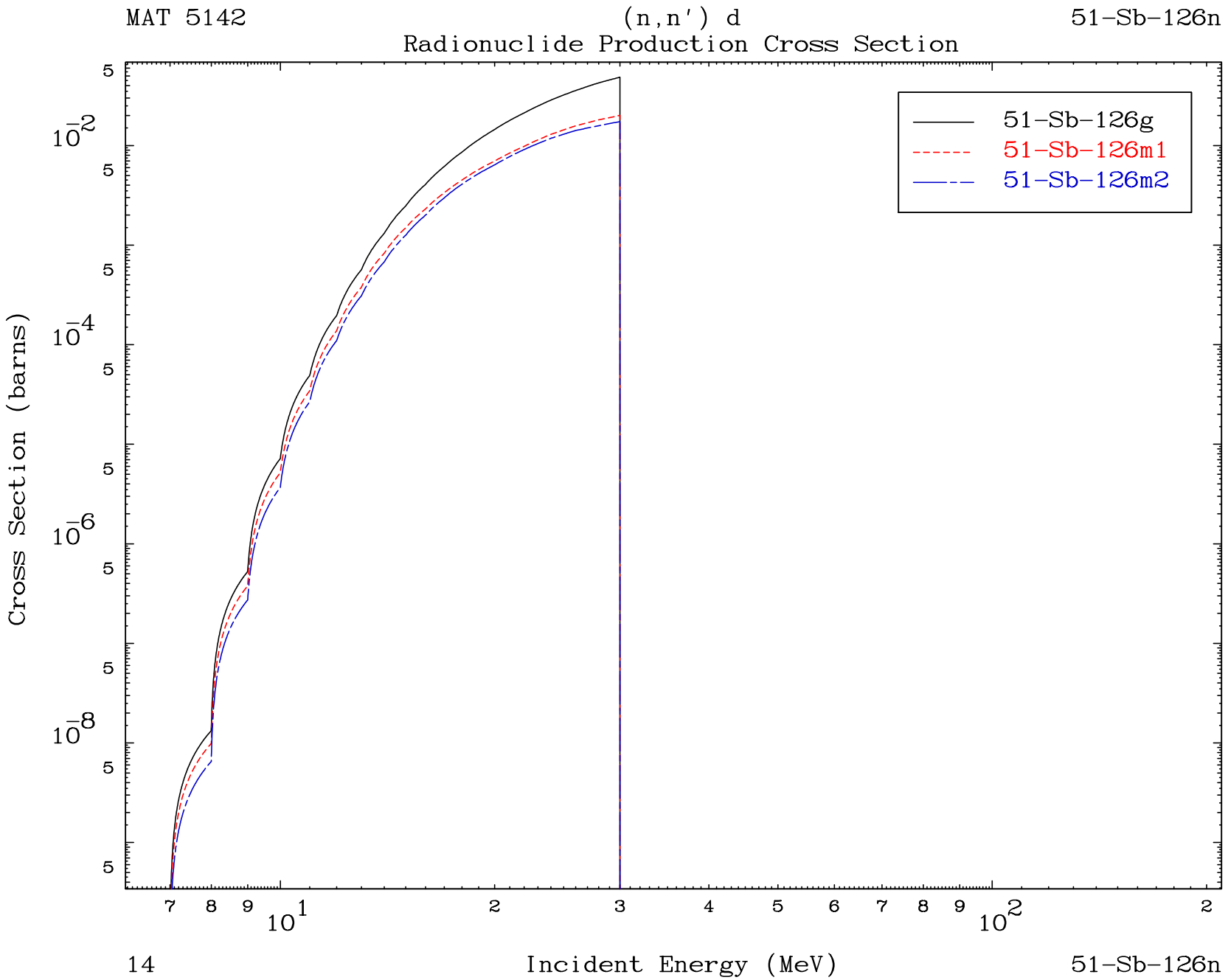

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
2
4
6
8
100
2
4
6
8
101
2
4
6
8
102
2
Incident Energy (MeV)

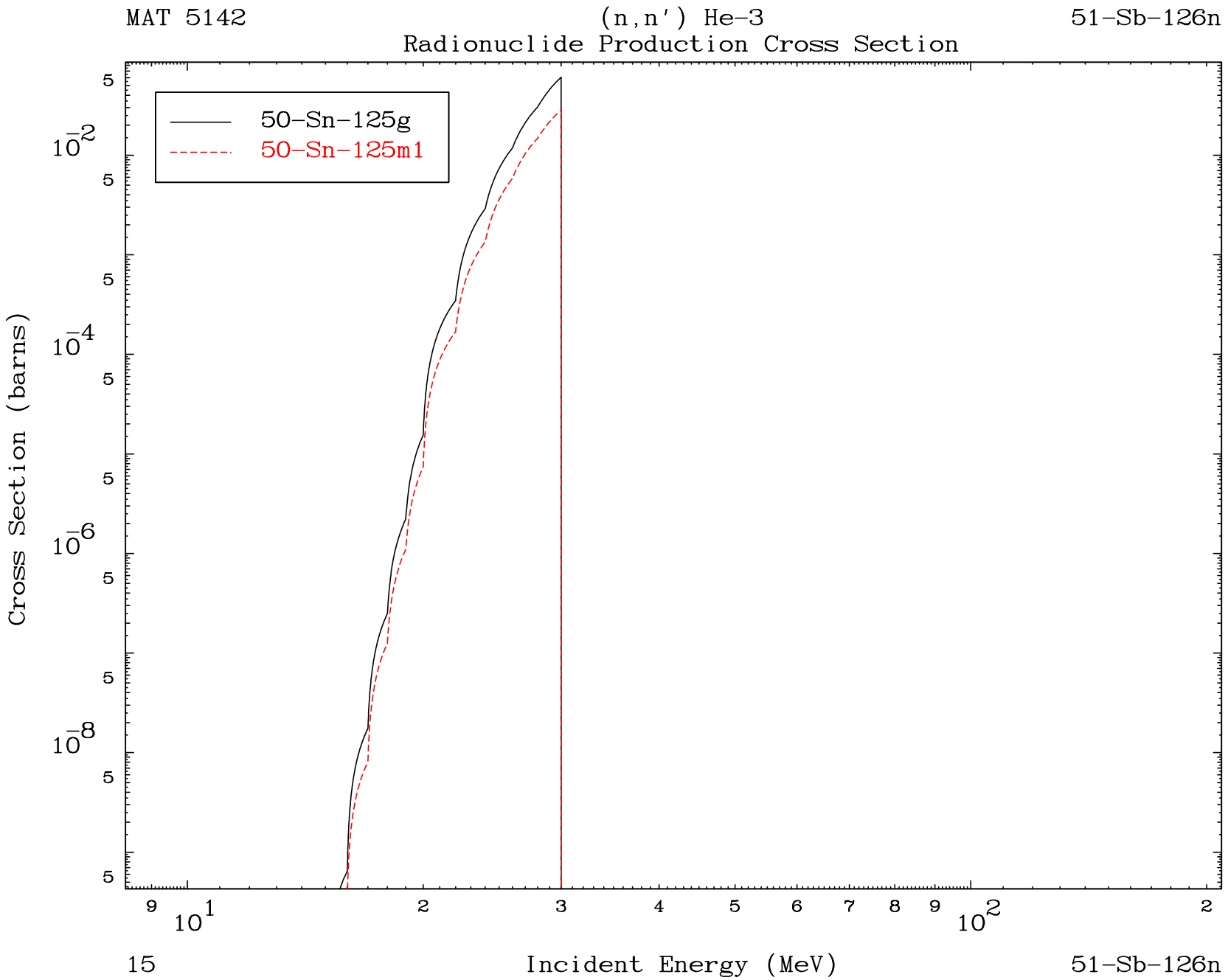

MAT 5142
(t,He3) Levels
51-Sb-126n
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
51-Sb-126n

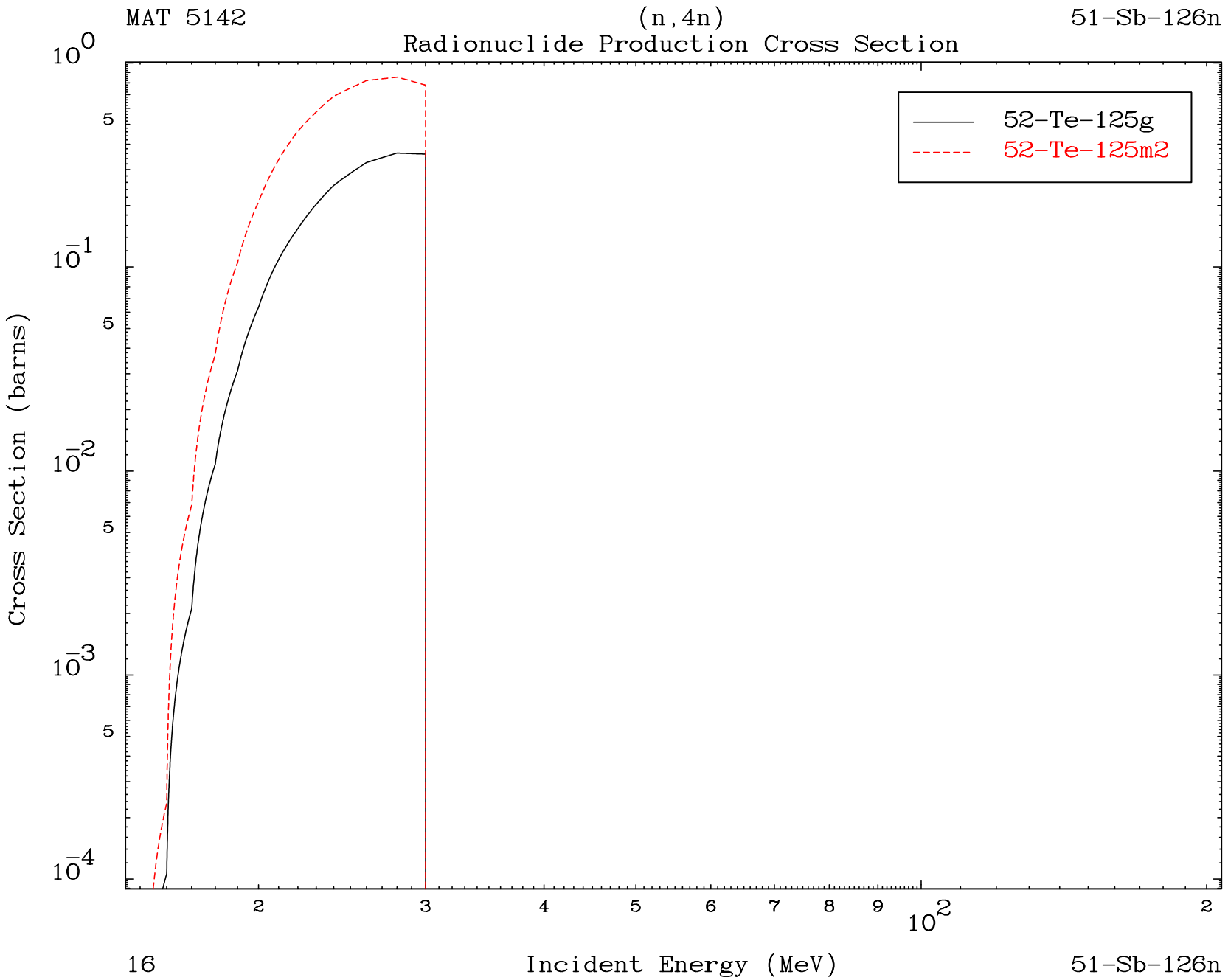

MAT 5142
(t,α) Levels
51-Sb-126n
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10⁻4
10⁻6
10⁻8
10⁻10
10⁰
10¹
10²
Incident Energy (MeV)
11
51-Sb-126n

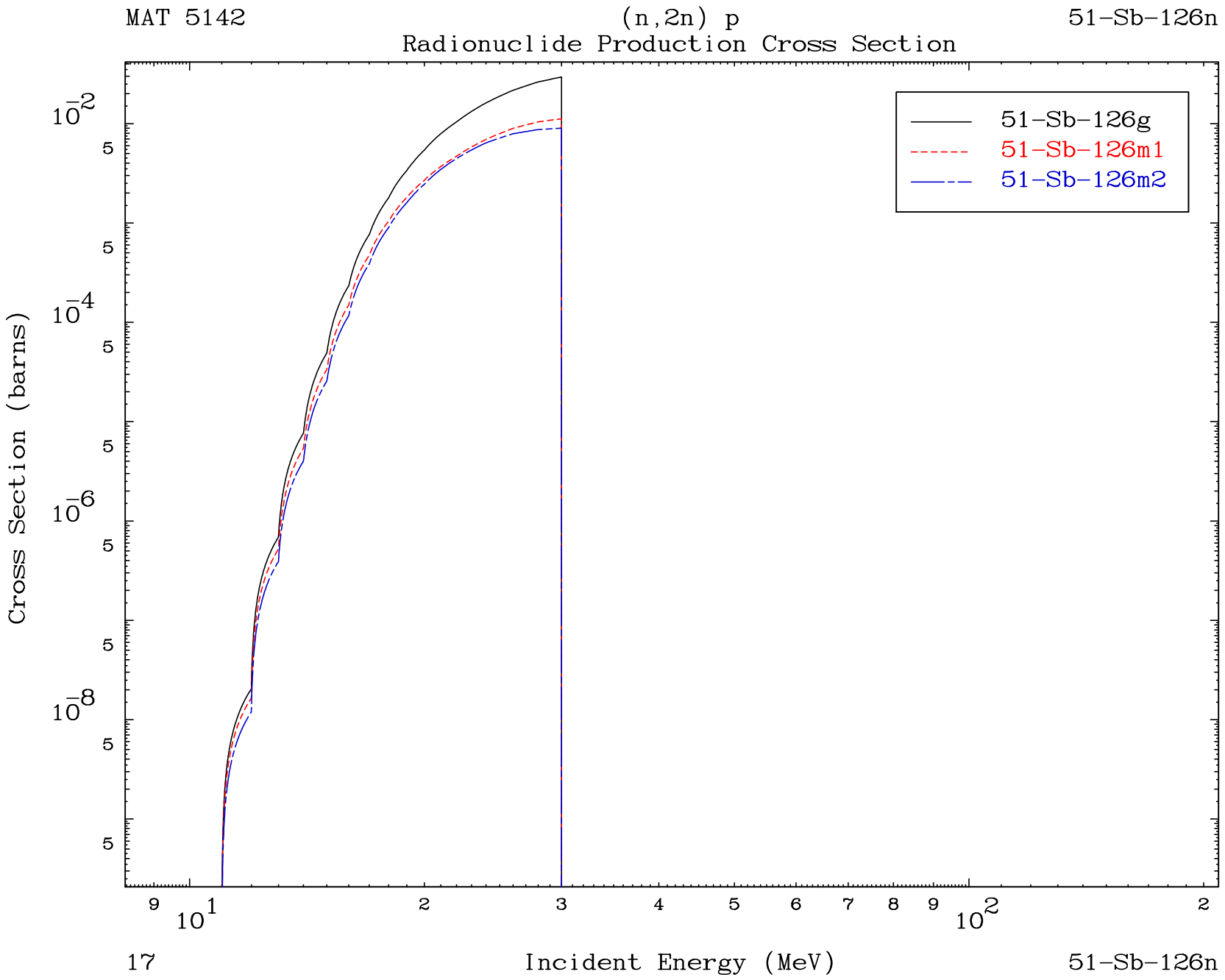

MAT 5142
(n,2n)
51-Sb-126n
Radionuclide Production Cross Section
52-Te-127g
52-Te-127m2
Cross Section (barns)
Incident Energy (MeV)
12
51-Sb-126n

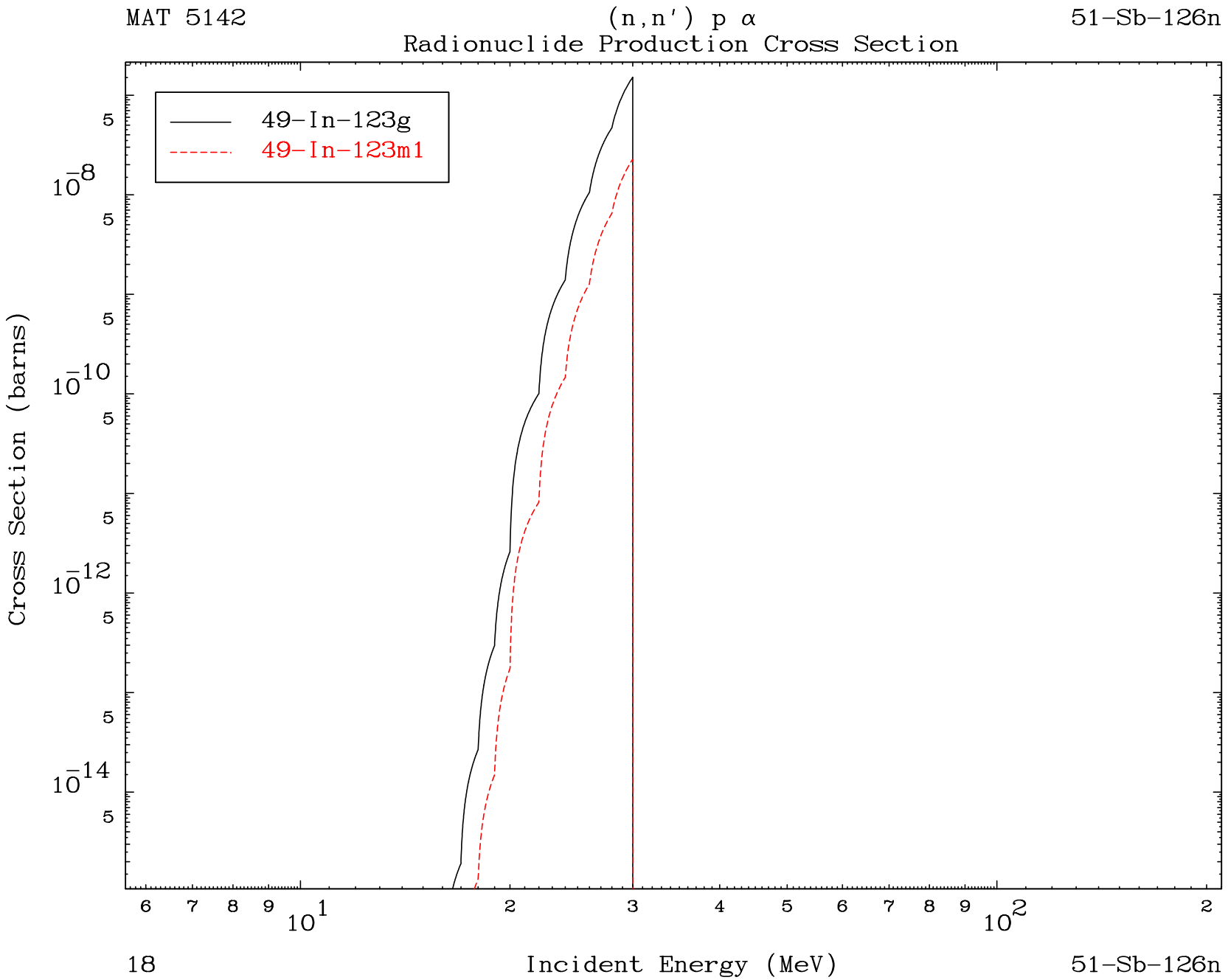

MAT 5142
(n,2n) α
51-Sb-126n
Radionuclide Production Cross Section
50-Sn-123g
50-Sn-123m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
4
6
8
10 1
2
4
6
8
10 2
2
13
Incident Energy (MeV)
51-Sb-126n

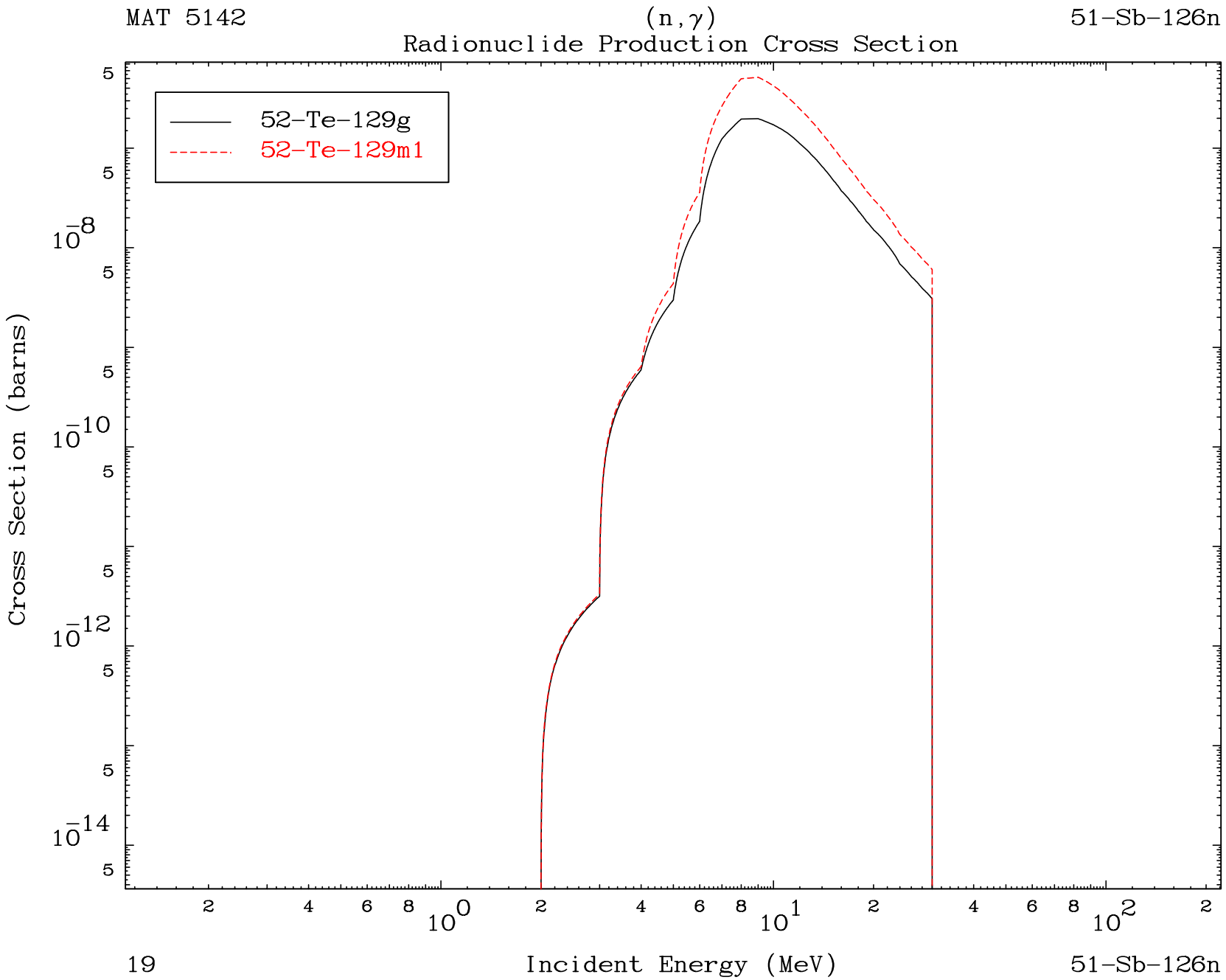

MAT 5142
(n,n') d
51-Sb-126n
Radionuclide Production Cross Section
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
Cross Section (barns)
Incident Energy (MeV)
14
51-Sb-126n

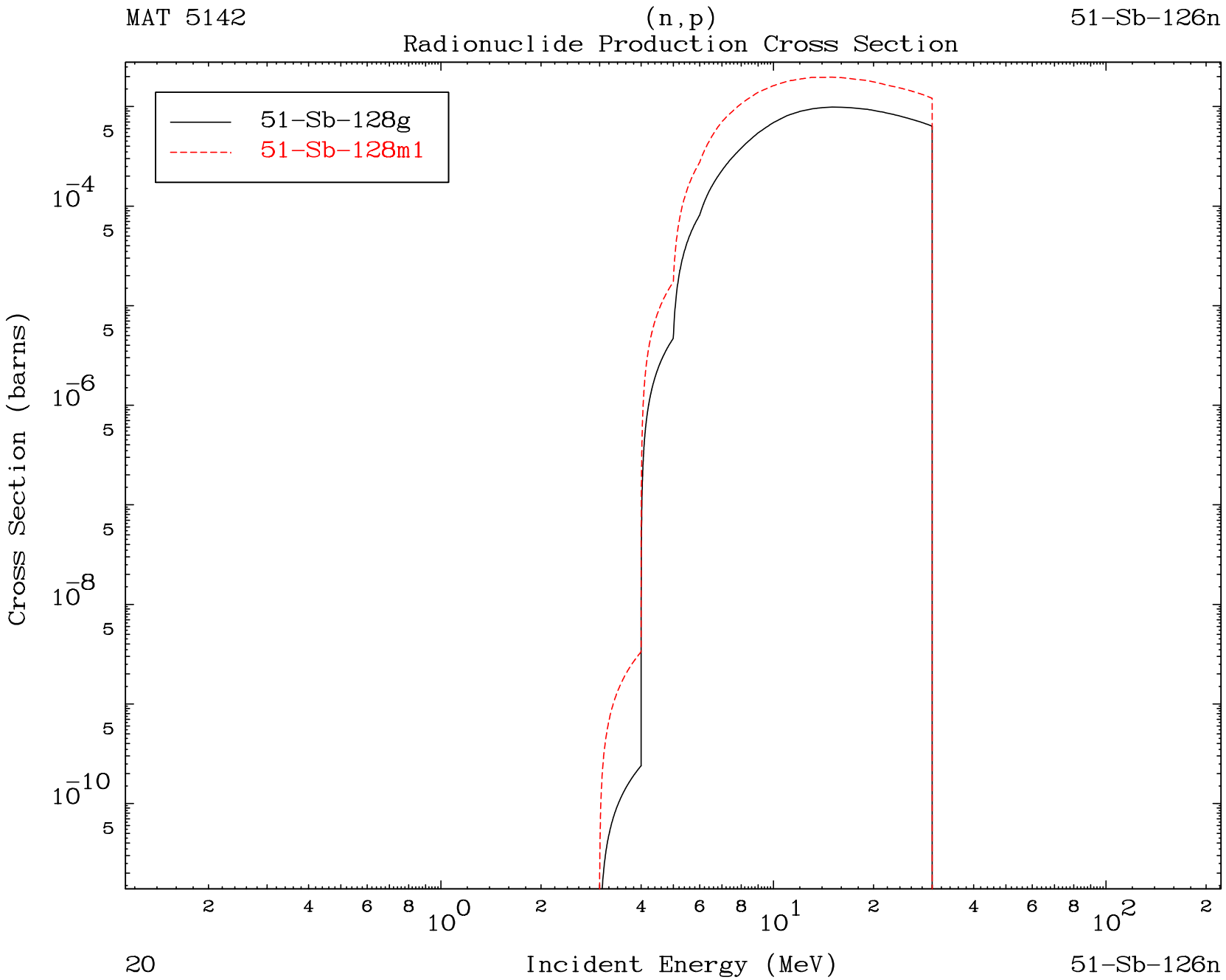

MAT 5142
(n,n') He-3
51-Sb-126n
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
Incident Energy (MeV)
15
51-Sb-126n

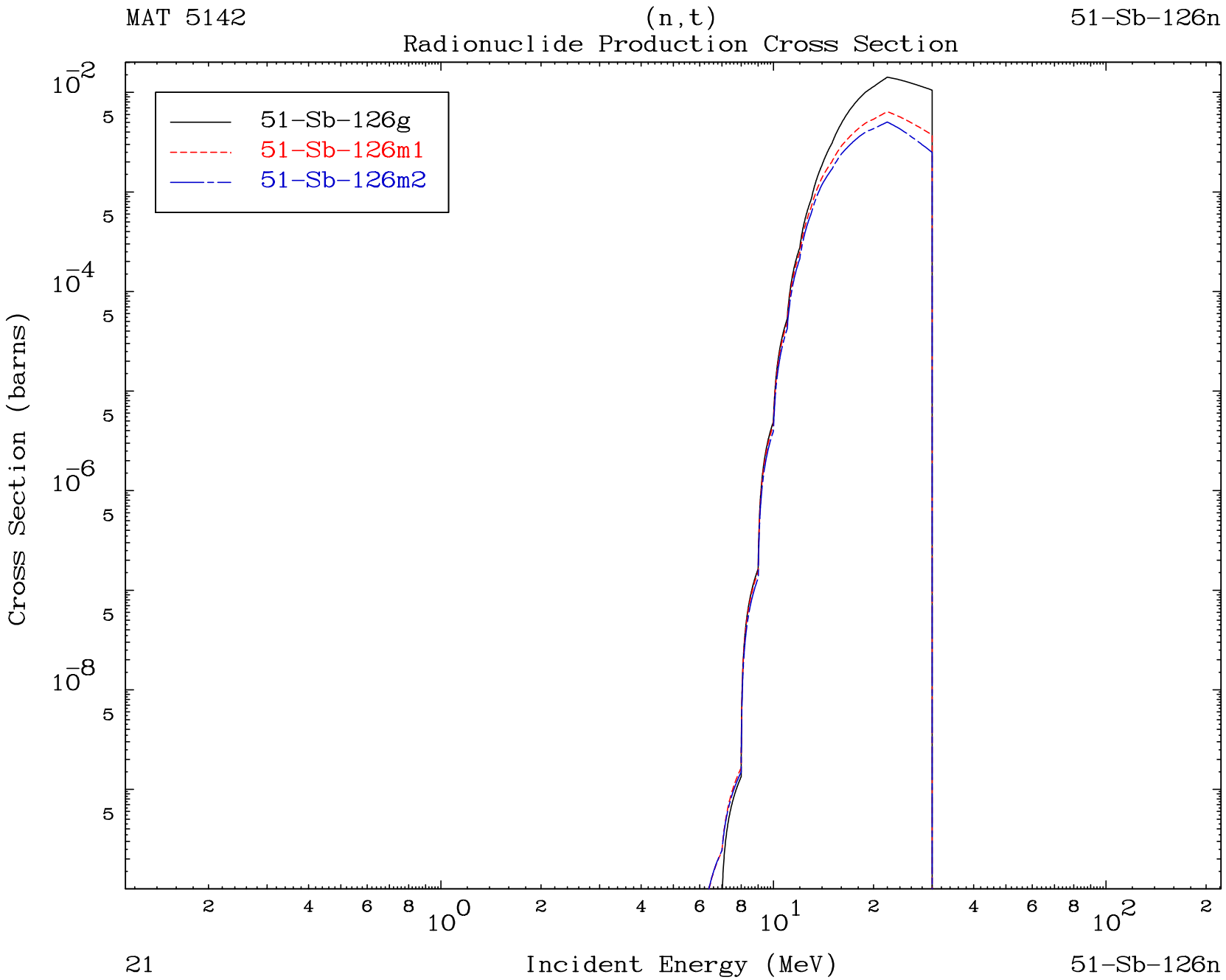

MAT 5142
(n,4n)
51-Sb-126n
Radionuclide Production Cross Section
52-Te-125g
52-Te-125m2
Cross Section (barns)
Incident Energy (MeV)
16
51-Sb-126n

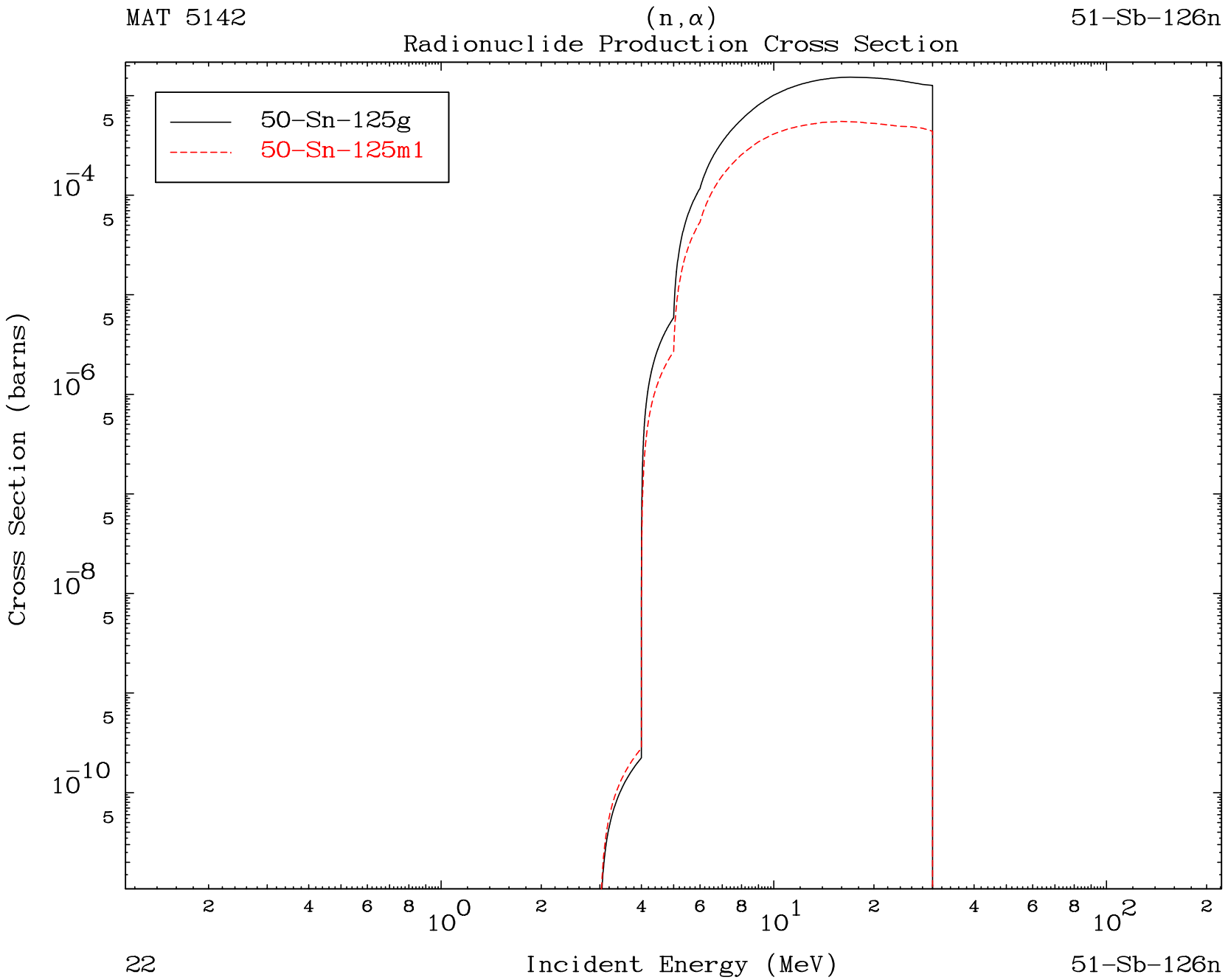

MAT 5142
(n,2n) p
51-Sb-126n
Radionuclide Production Cross Section
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
Cross Section (barns)
Incident Energy (MeV)
17
51-Sb-126n

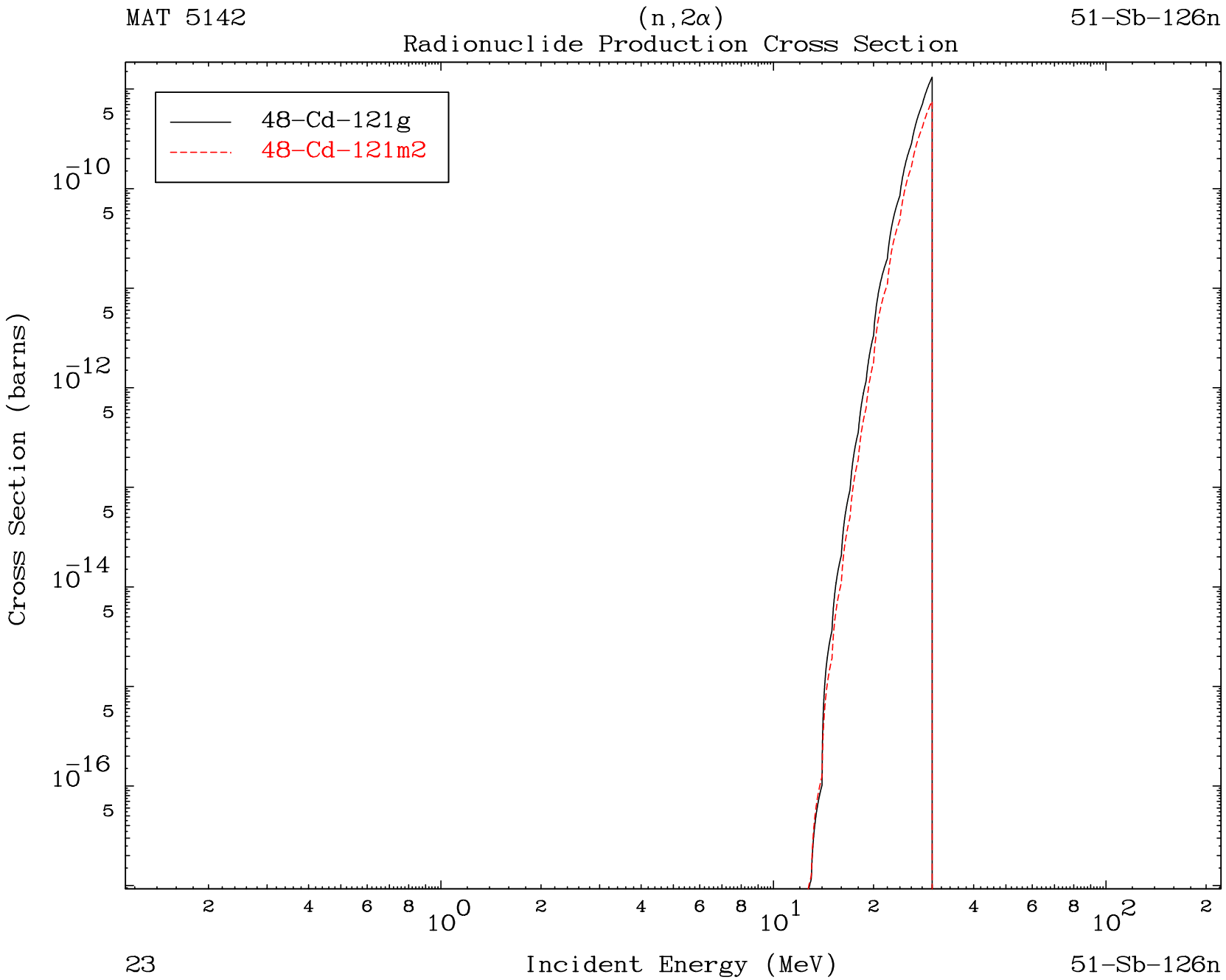

MAT 5142
(n,n') p α
51-Sb-126n
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
18
51-Sb-126n

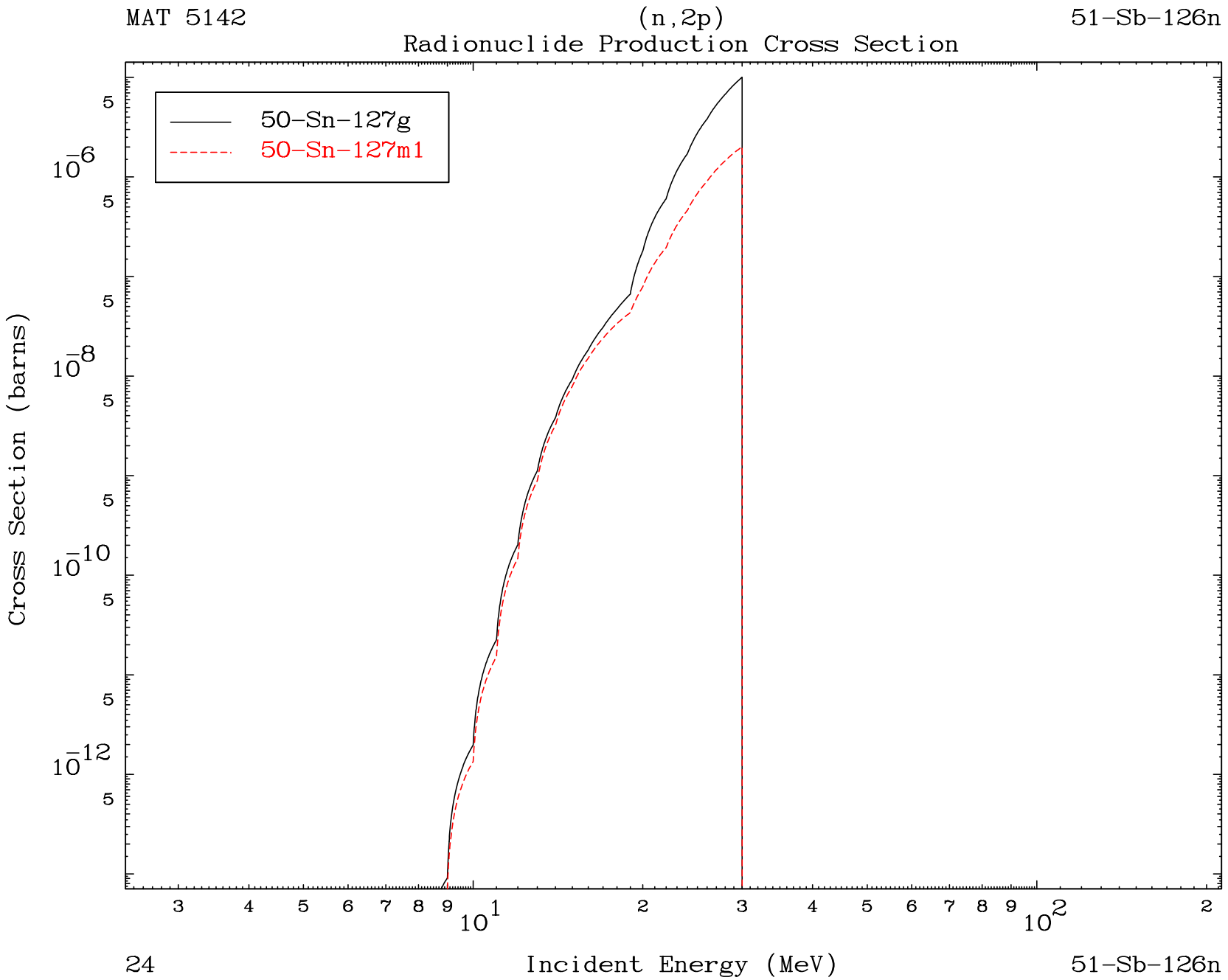

MAT 5142
(n,γ)
51-Sb-126n
Radionuclide Production Cross Section
52-Te-129g
52-Te-129m1
Cross Section (barns)
Incident Energy (MeV)
19
51-Sb-126n

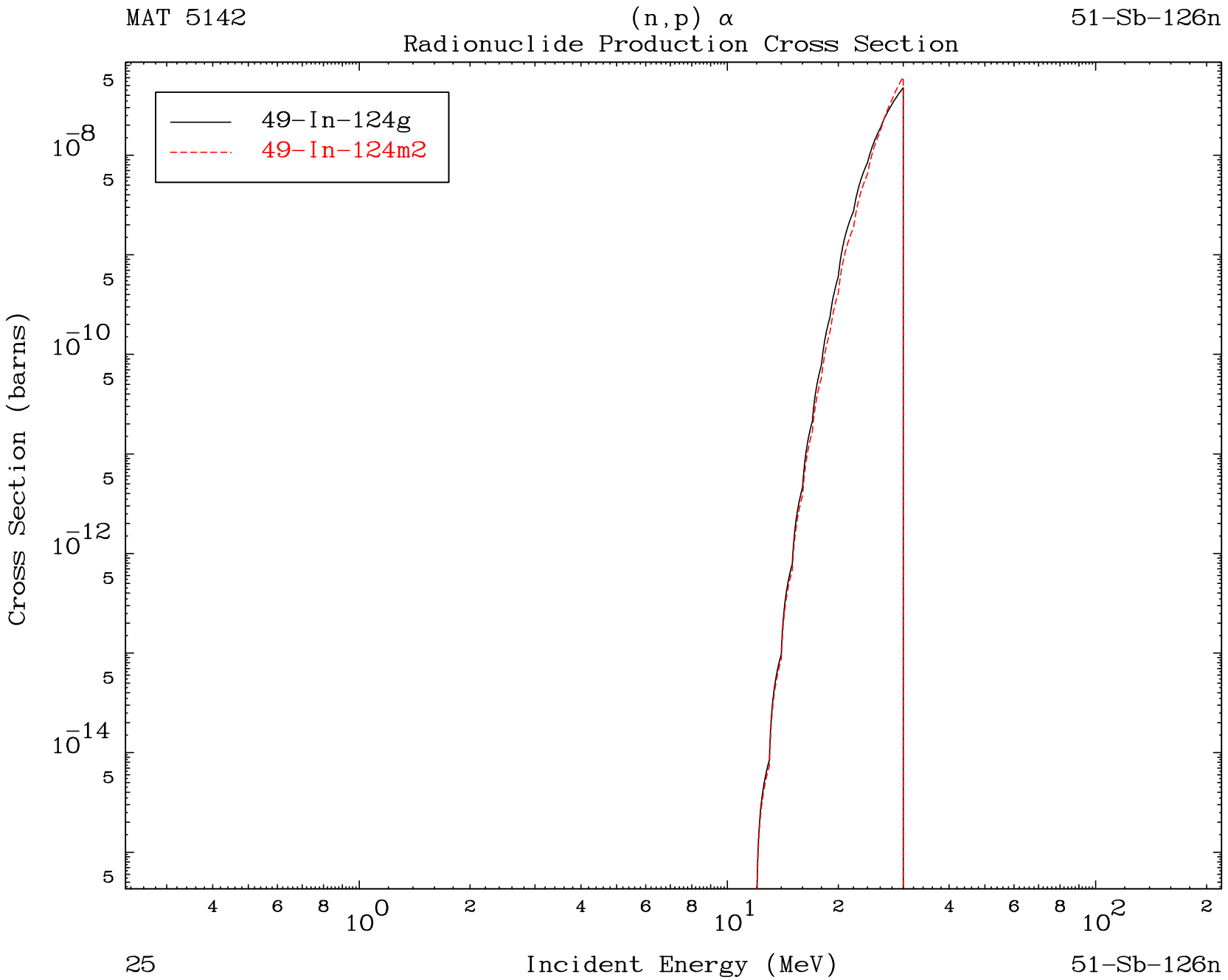

MAT 5142
(n,p)
51-Sb-126n
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
20
51-Sb-126n

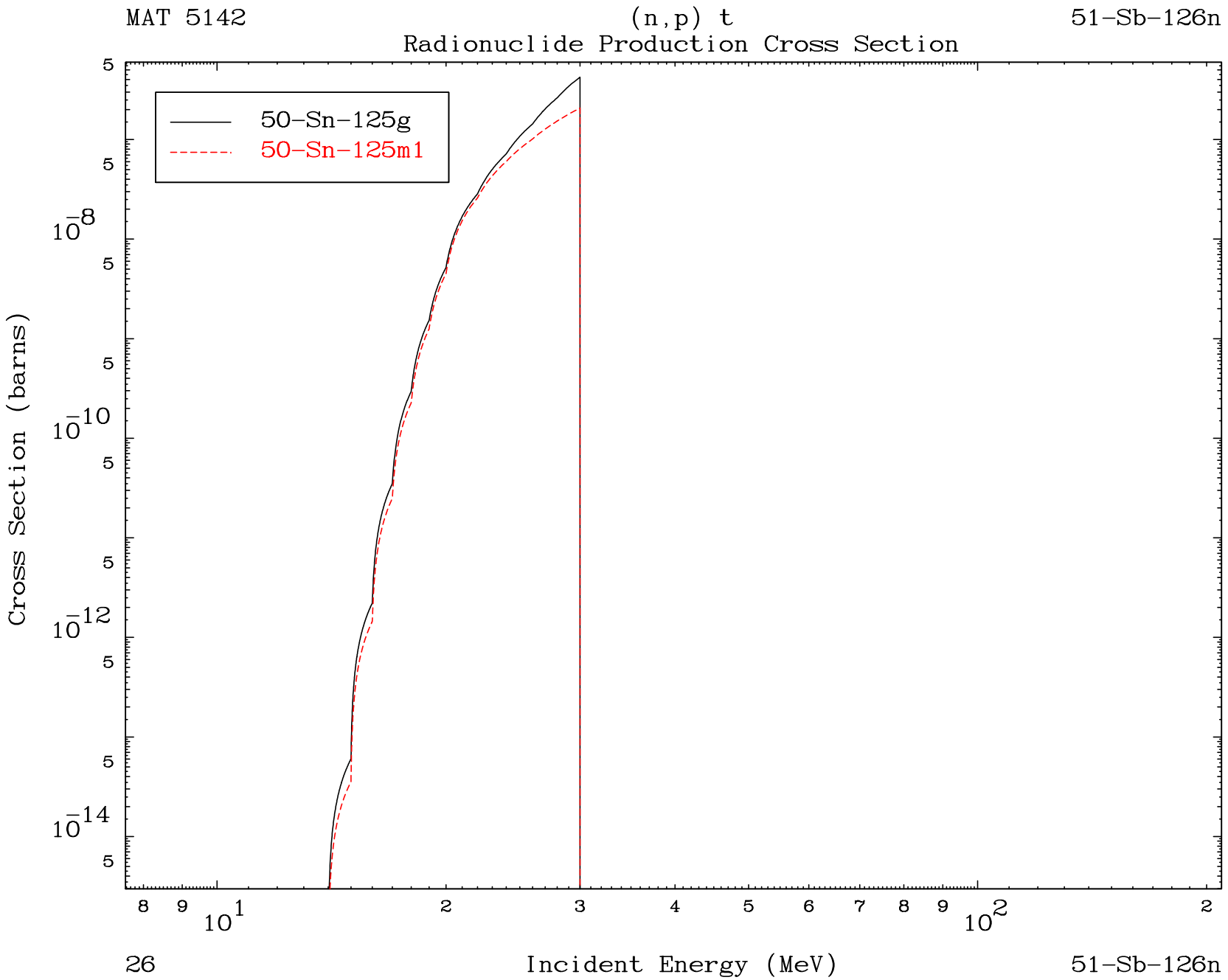

MAT 5142
(n,t)
51-Sb-126n
Radionuclide Production Cross Section
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
Cross Section (barns)
Incident Energy (MeV)
21
51-Sb-126n

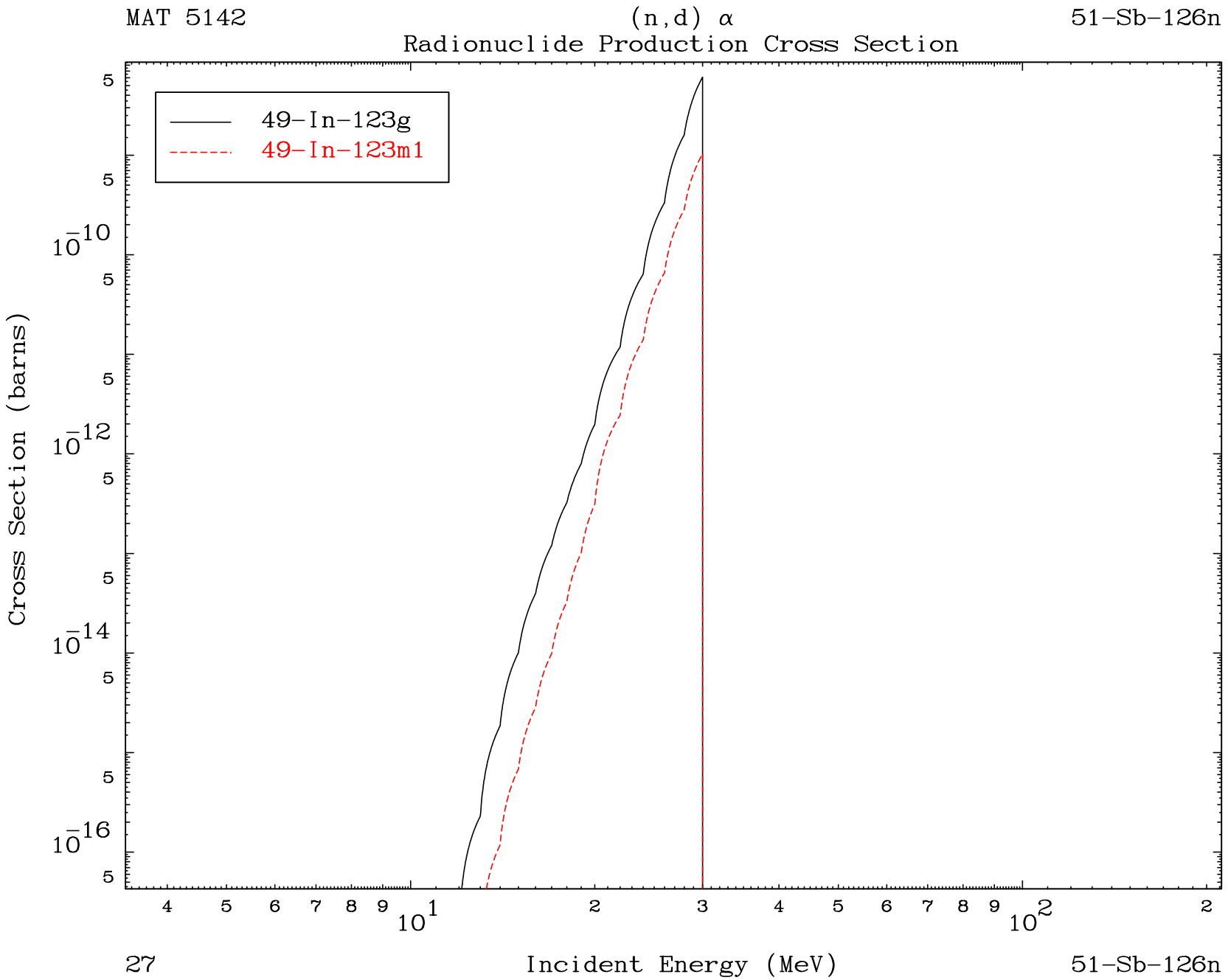

MAT 5142
(n,α)
51-Sb-126n
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
Incident Energy (MeV)
22
51-Sb-126n


MAT 5142
(n,2α)
51-Sb-126n
Radionuclide Production Cross Section
48-Cd-121g
48-Cd-121m2
Cross Section (barns)
Incident Energy (MeV)
23
51-Sb-126n


MAT 5142
(n,2p)
51-Sb-126n
Radionuclide Production Cross Section
50-Sn-127g
50-Sn-127m1
Cross Section (barns)
Incident Energy (MeV)
24
51-Sb-126n


MAT 5142
(n,p) α
51-Sb-126n
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
Incident Energy (MeV)
25
51-Sb-126n


MAT 5142
(n,p) t
51-Sb-126n
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
Incident Energy (MeV)
26
51-Sb-126n


MAT 5142
(n,d) α
51-Sb-126n
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
Incident Energy (MeV)
27
51-Sb-126n