Program EVALPLOT
(Version 2018-1)
by
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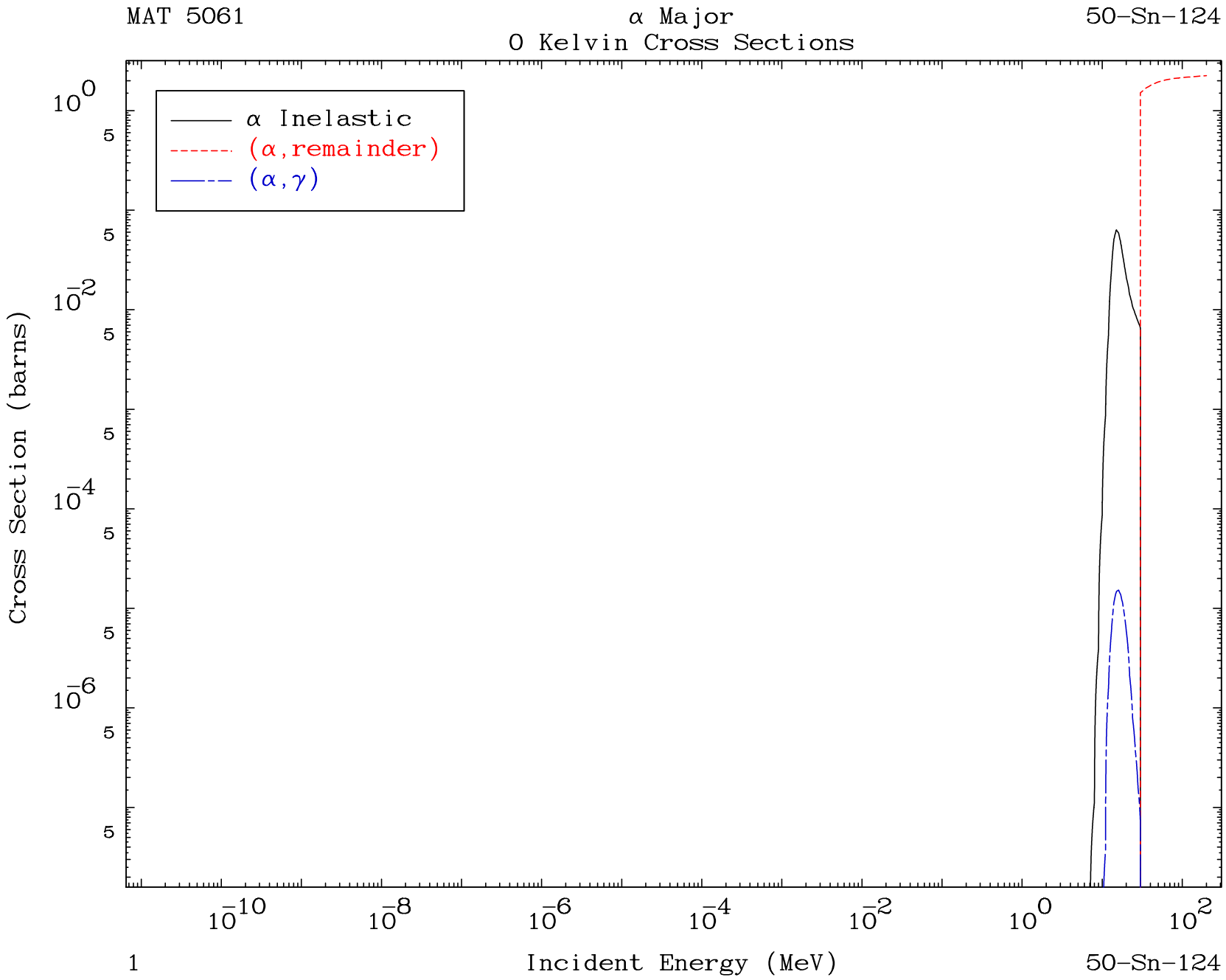
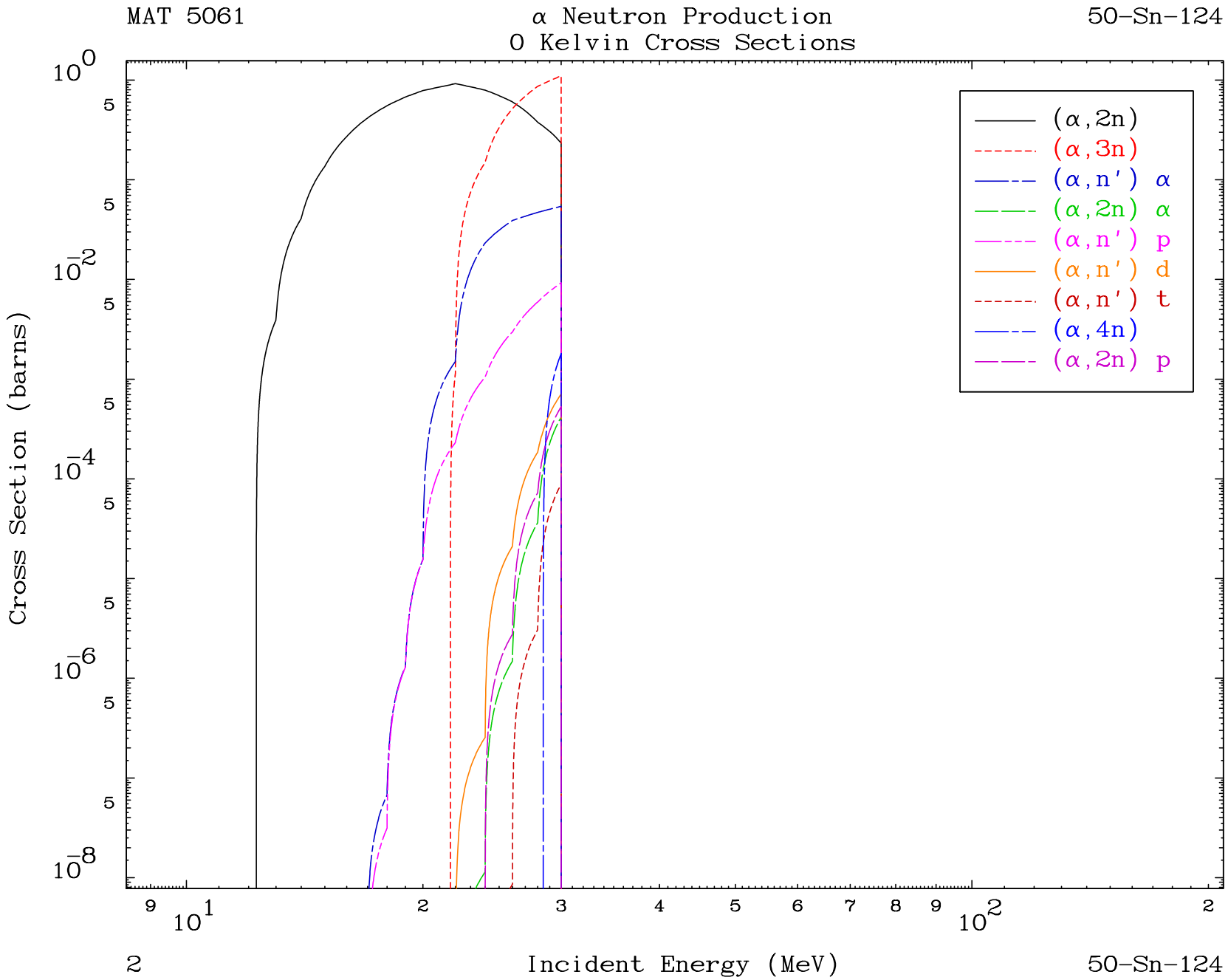
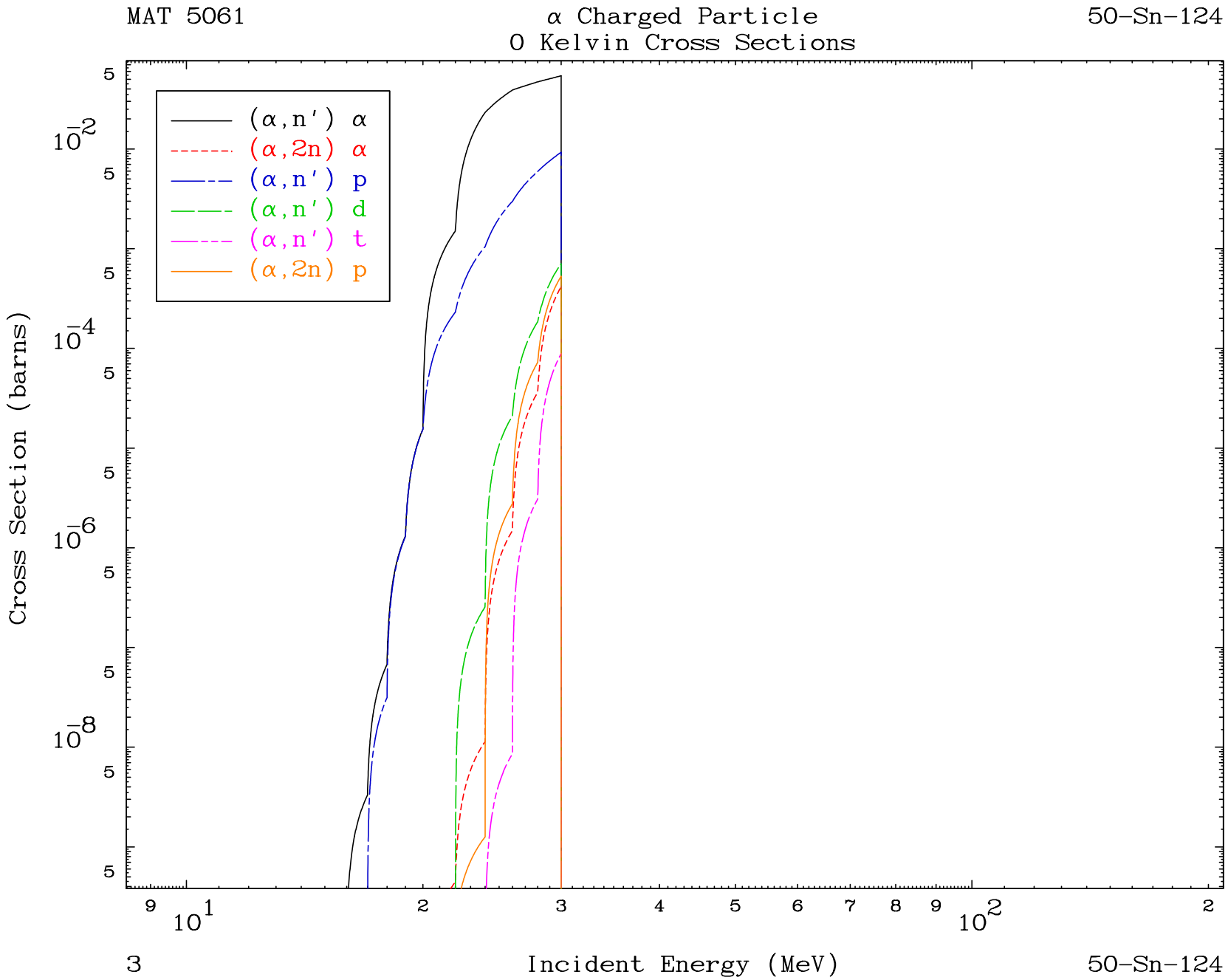
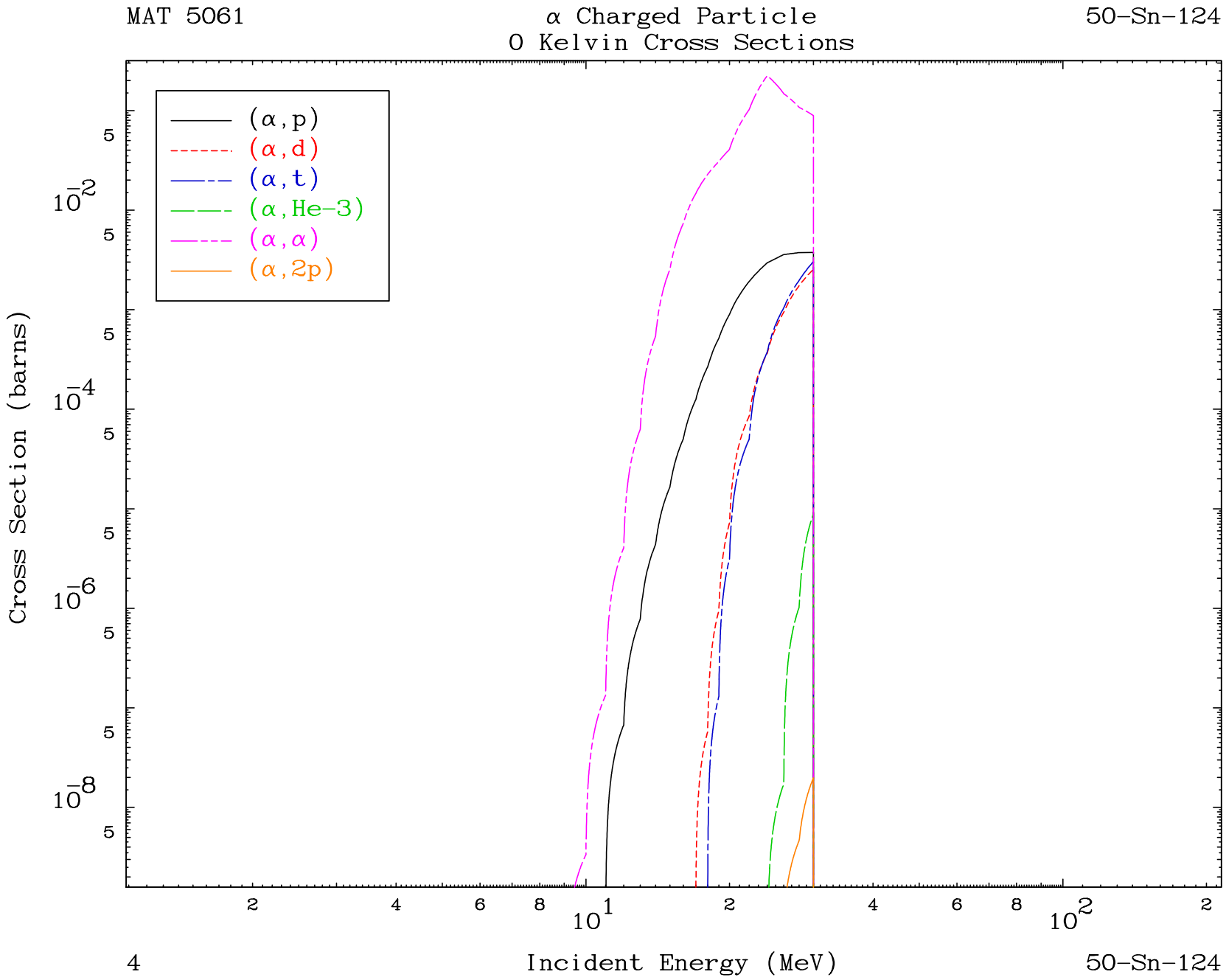
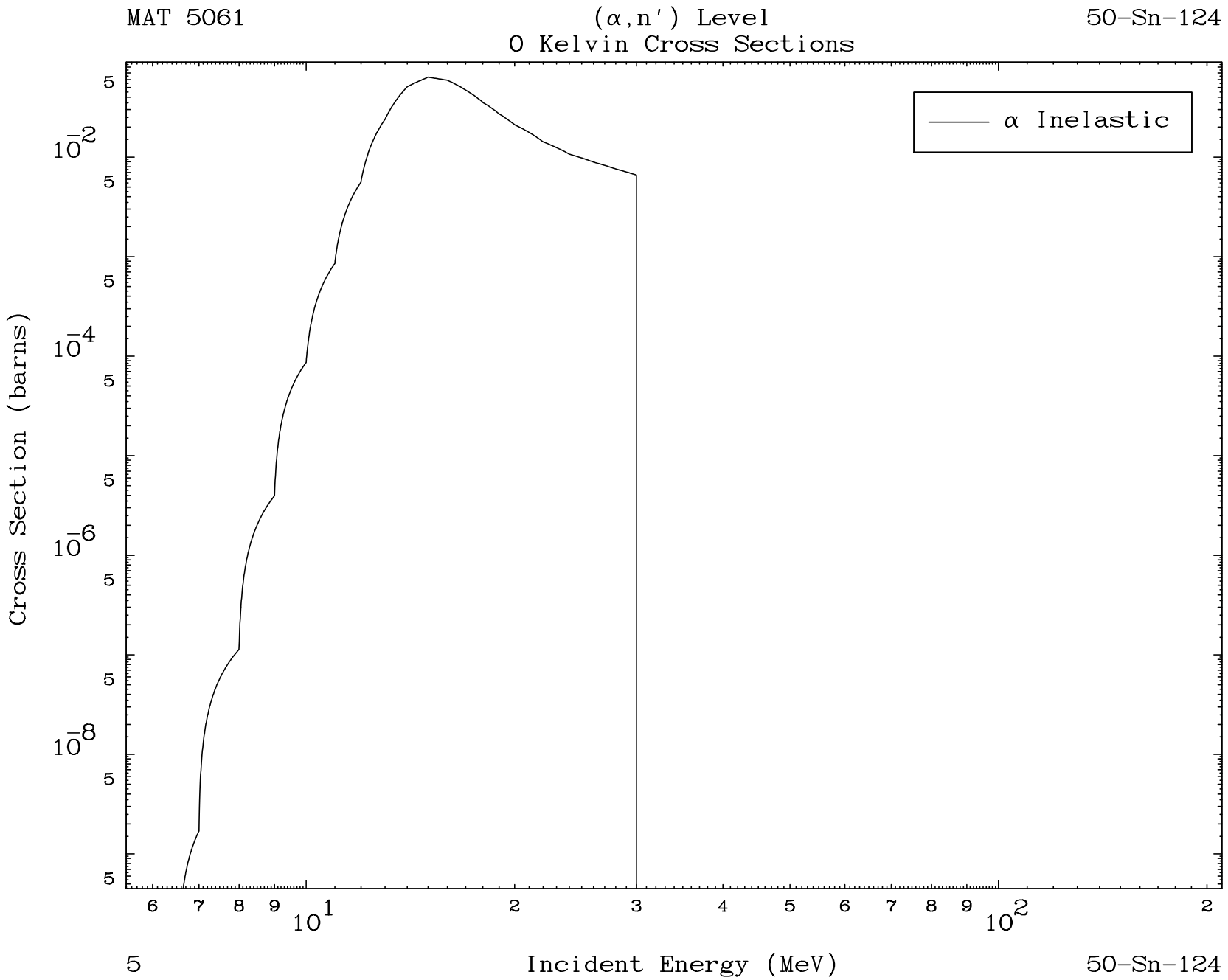
Press Mouse Button to Start

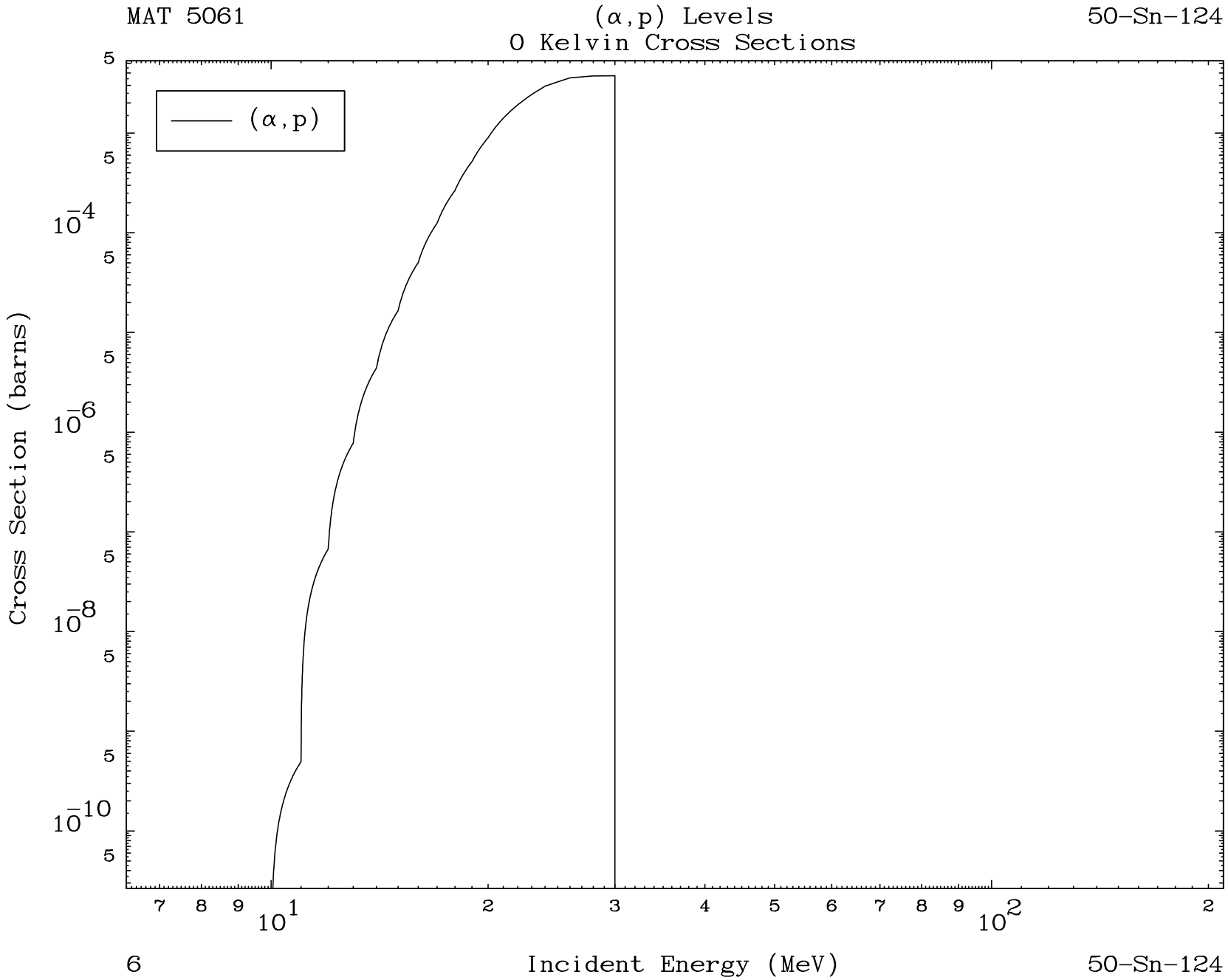

MAT 5061
α Major
50-Sn-124
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
50-Sn-124

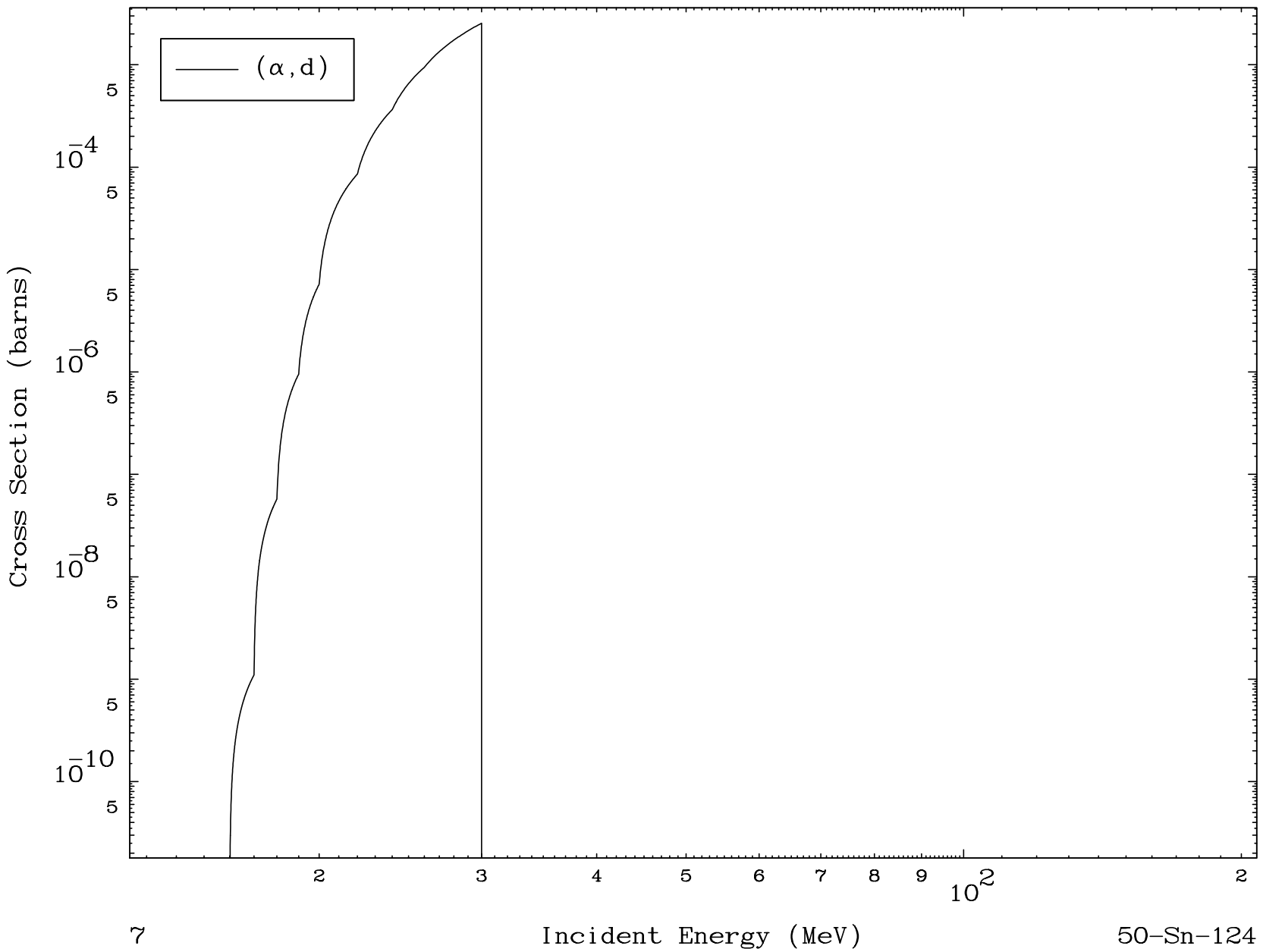

MAT 5061
α Neutron Production
0 Kelvin Cross Sections
50-Sn-124
Cross Section (barns)
Incident Energy (MeV)
50-Sn-124
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,4n)
(α,2n) p

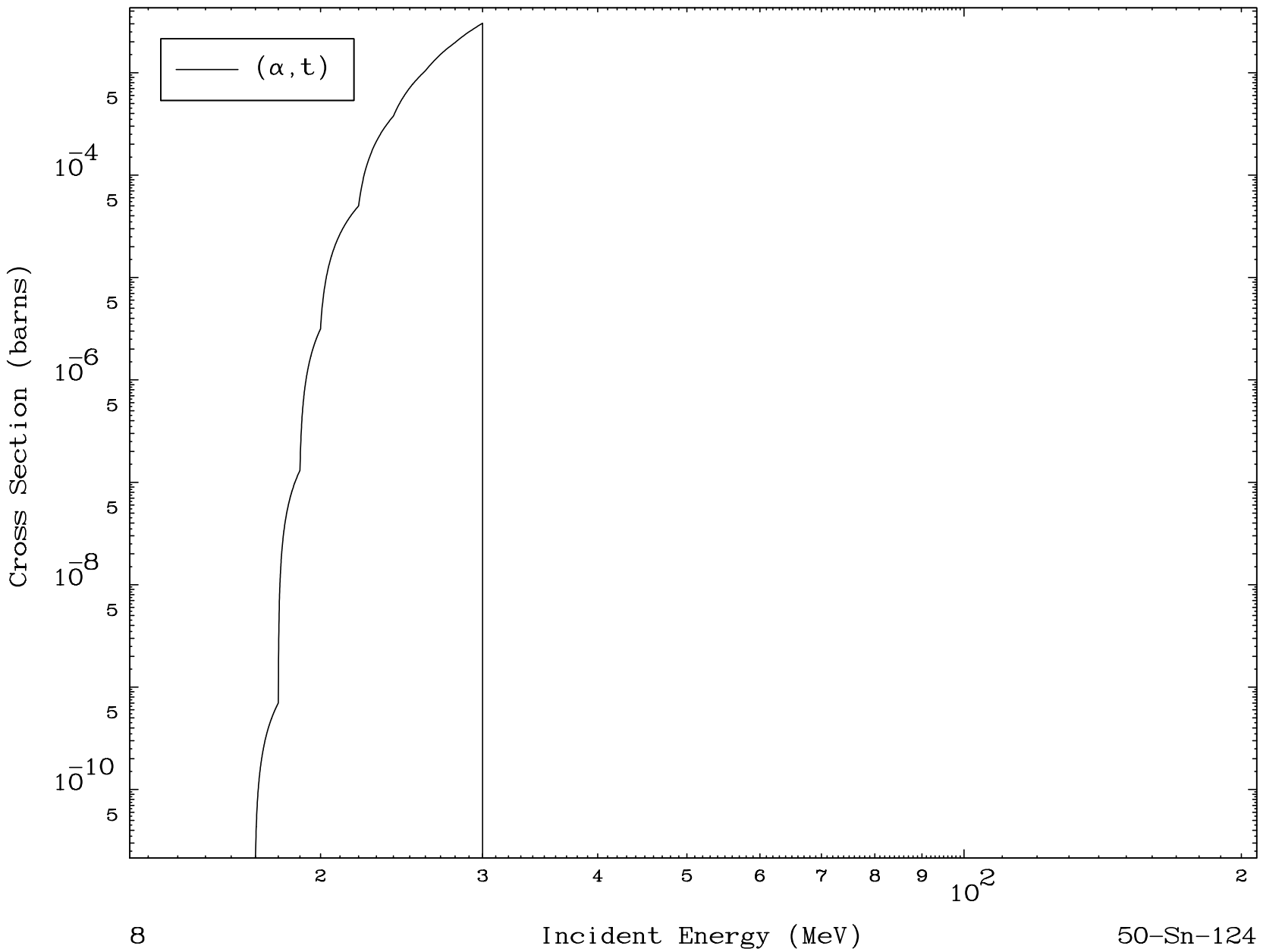

MAT 5061
α Charged Particle
0 Kelvin Cross Sections
50-Sn-124
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
50-Sn-124
3

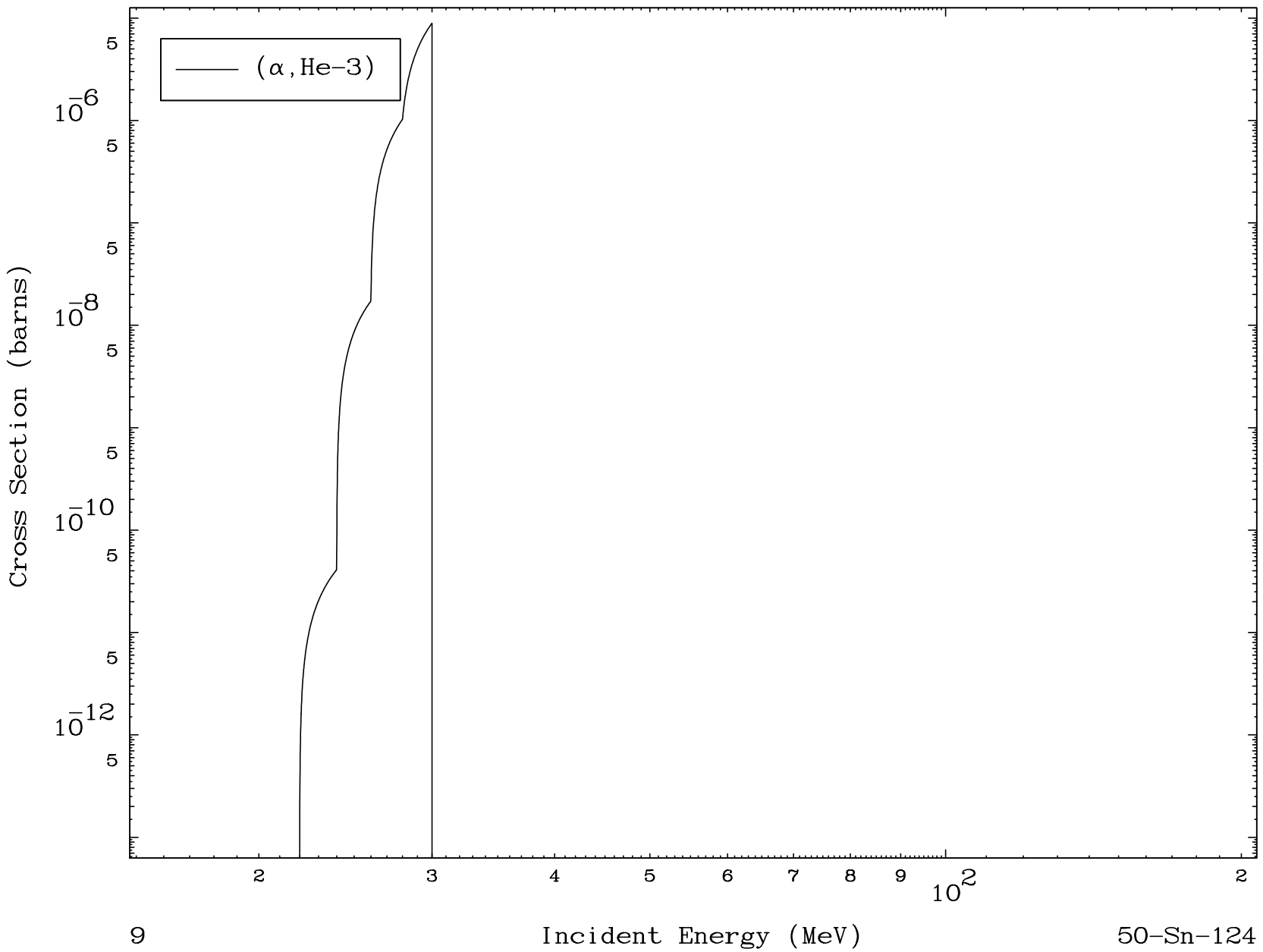

MAT 5061
α Charged Particle
0 Kelvin Cross Sections
50-Sn-124
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
101
102
Incident Energy (MeV)
4
50-Sn-124

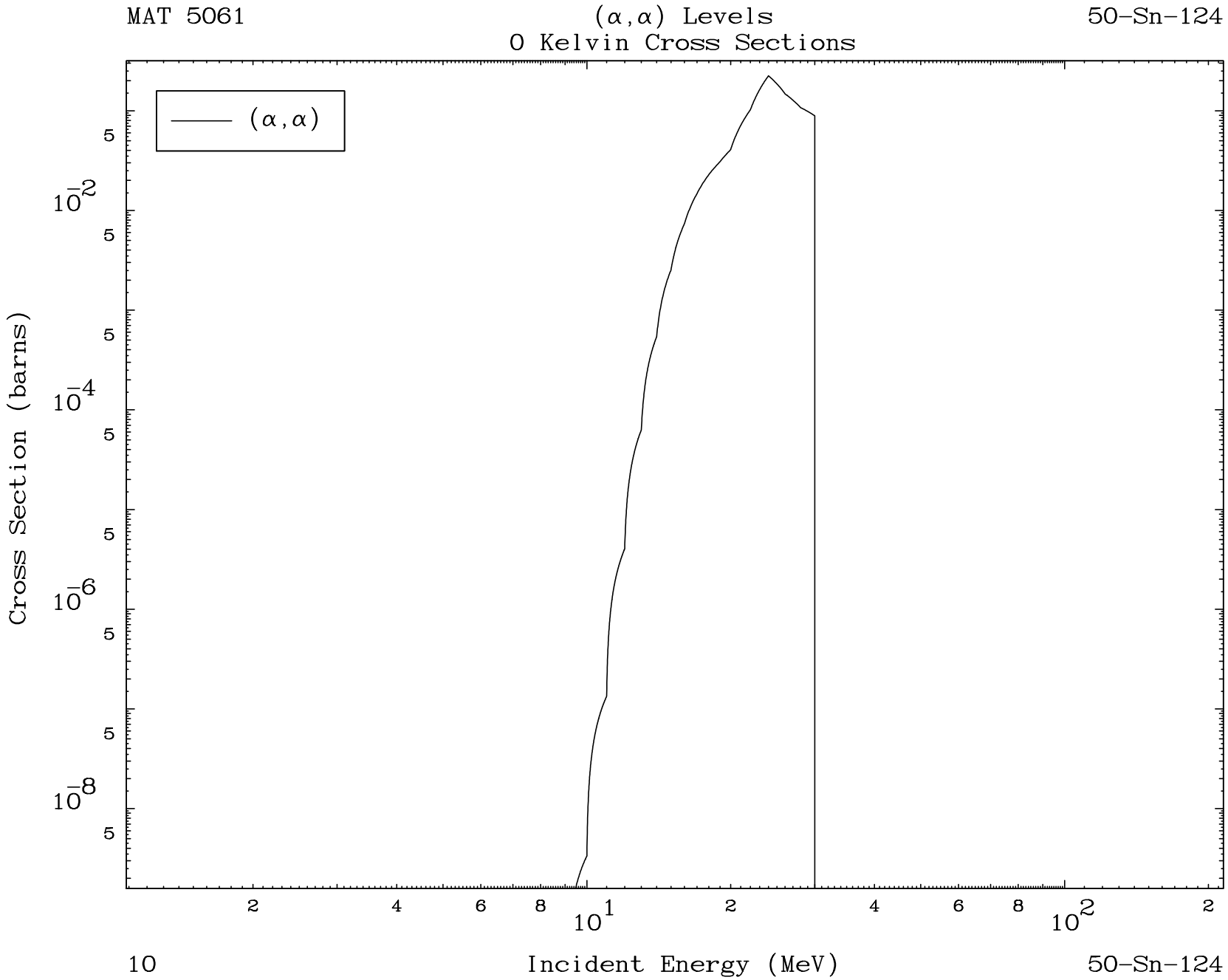

MAT 5061
(α,n') Level
50-Sn-124
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
50-Sn-124
5

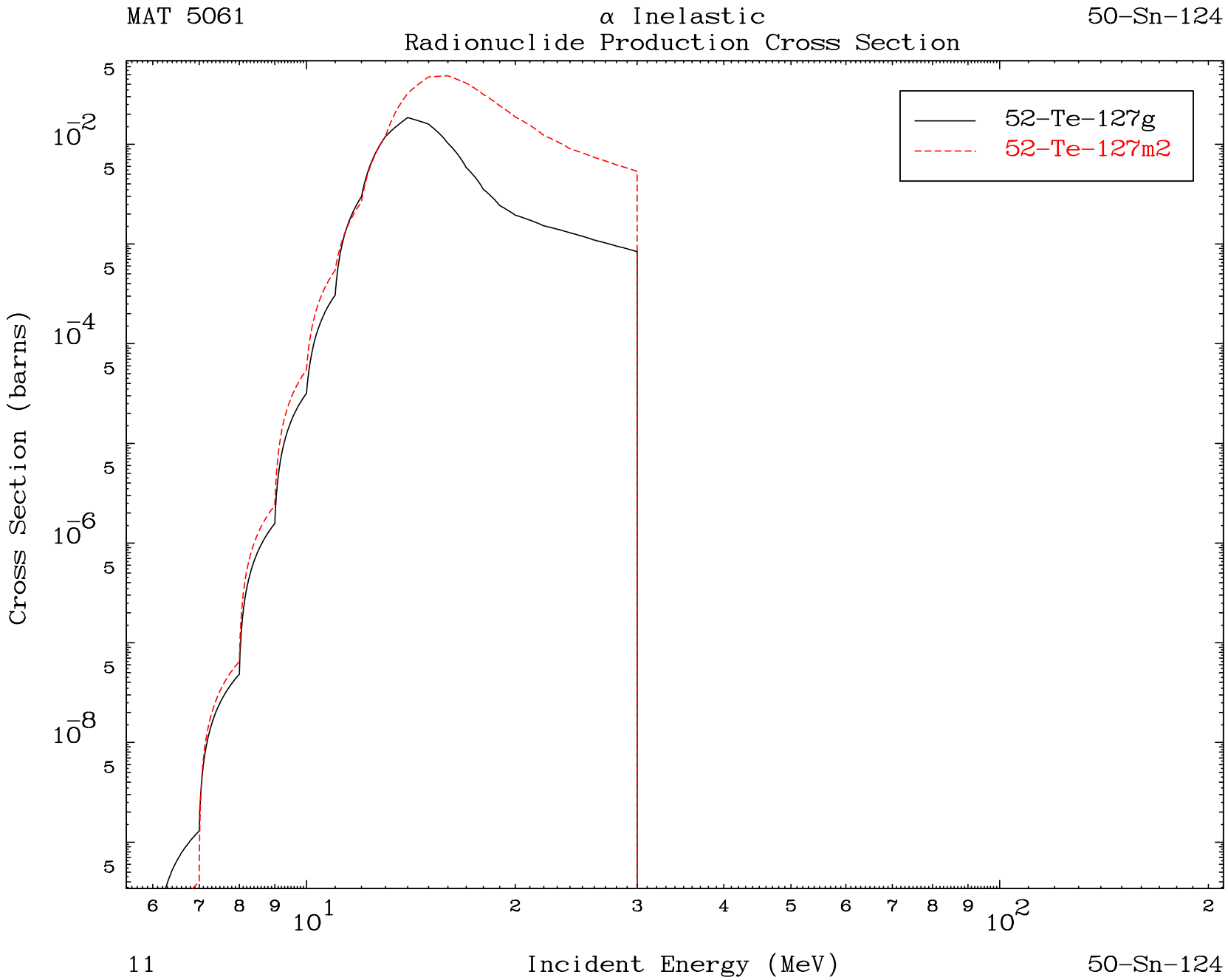

MAT 5061
(α,p) Levels
50-Sn-124
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
50-Sn-124

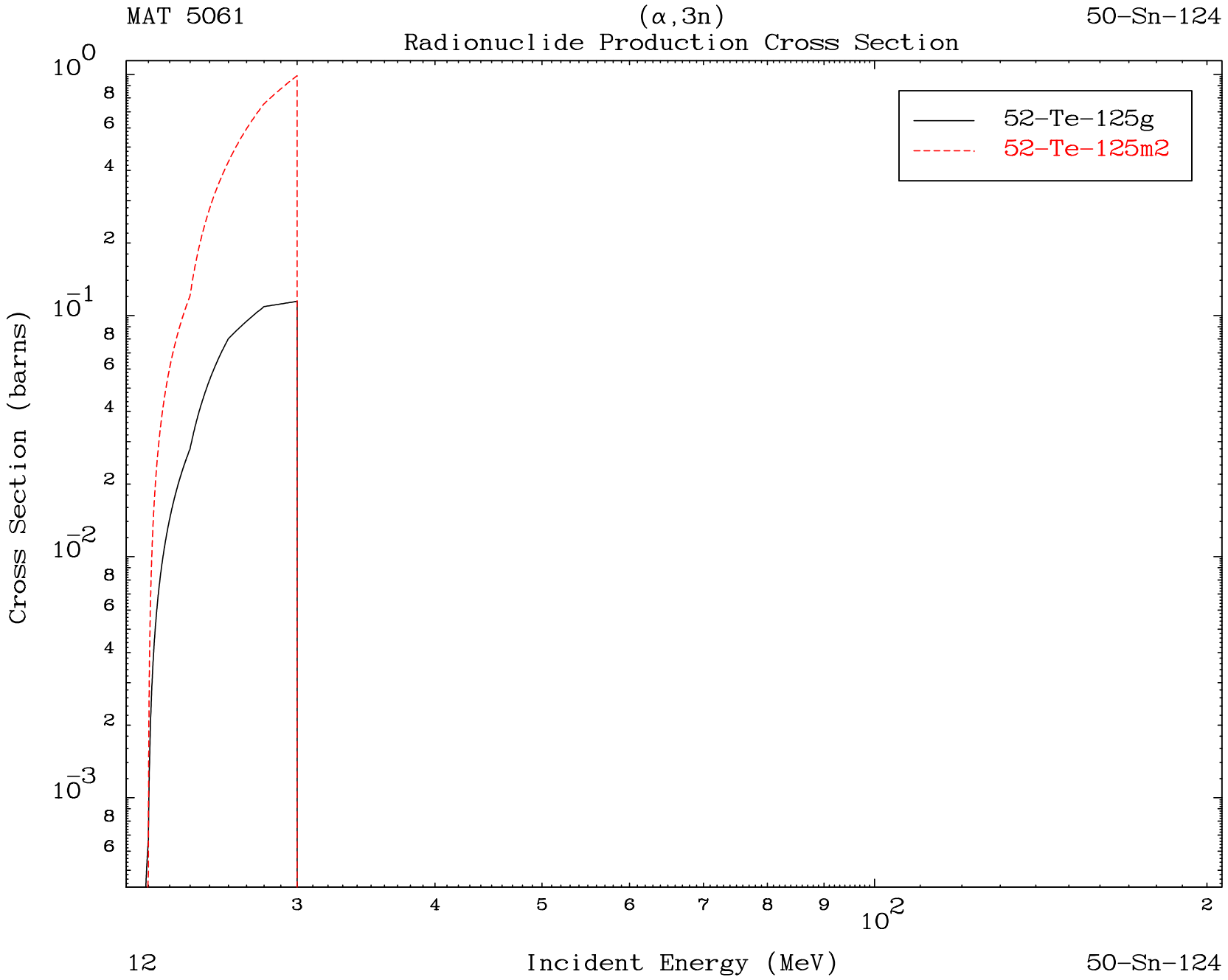

0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

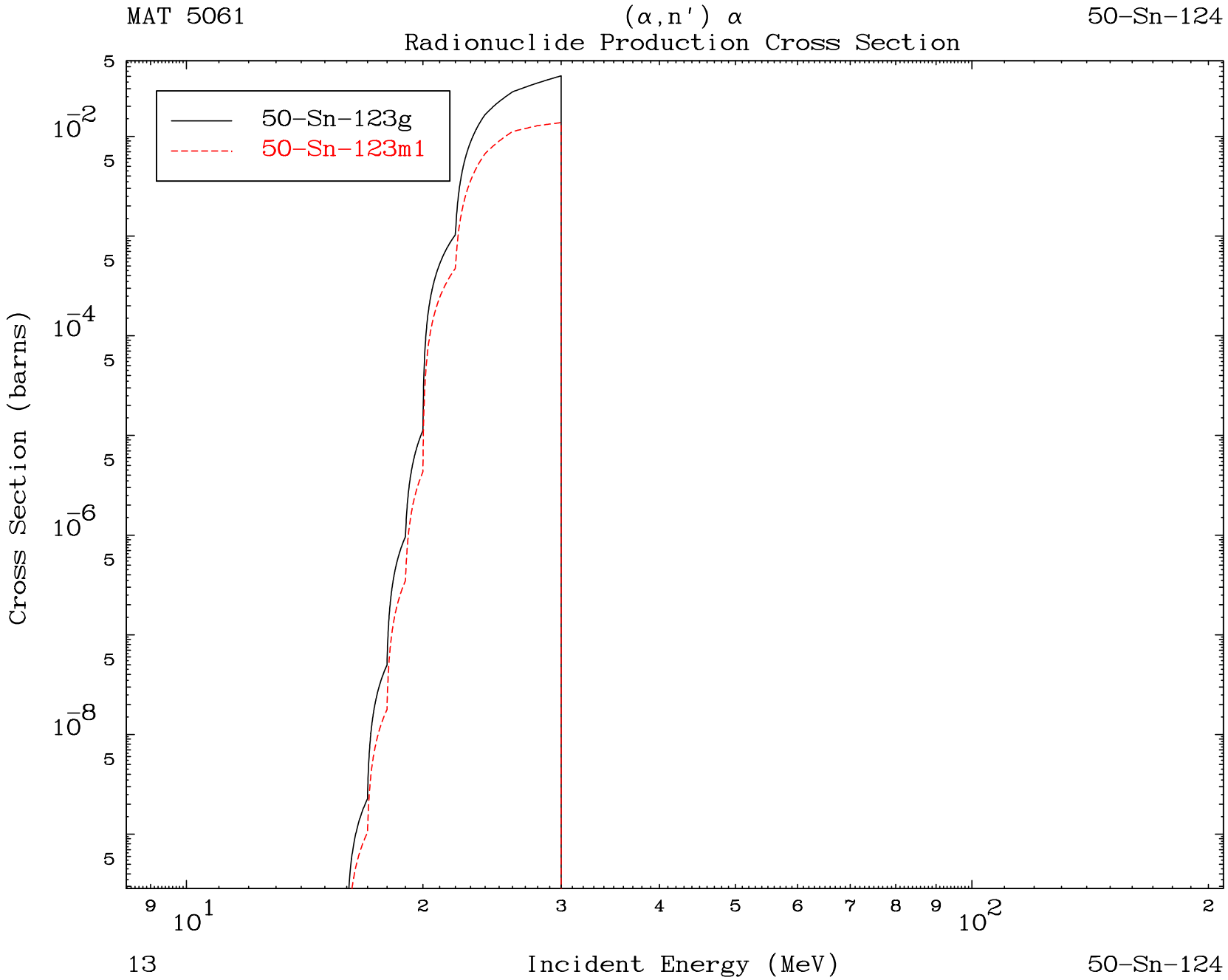

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

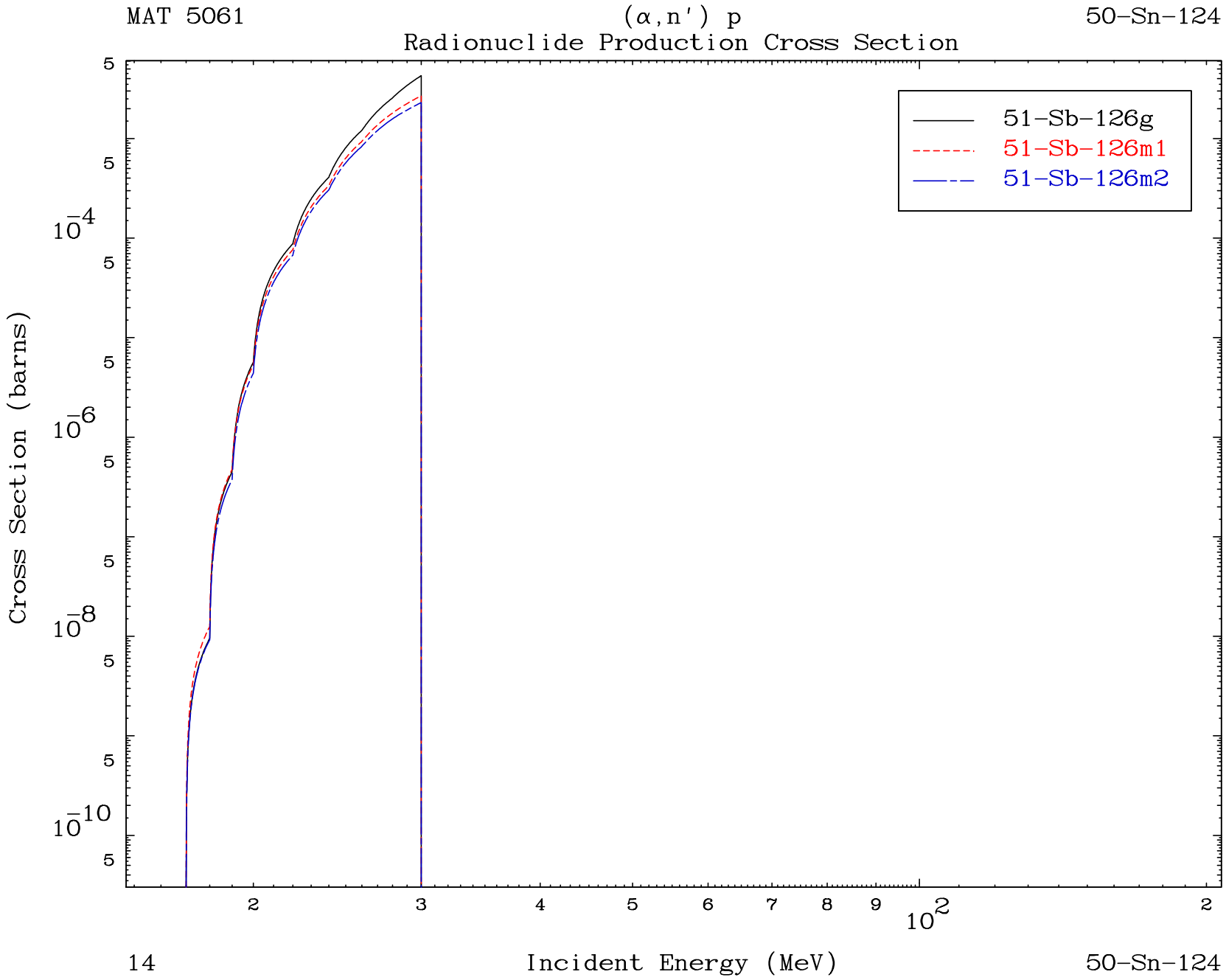

0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

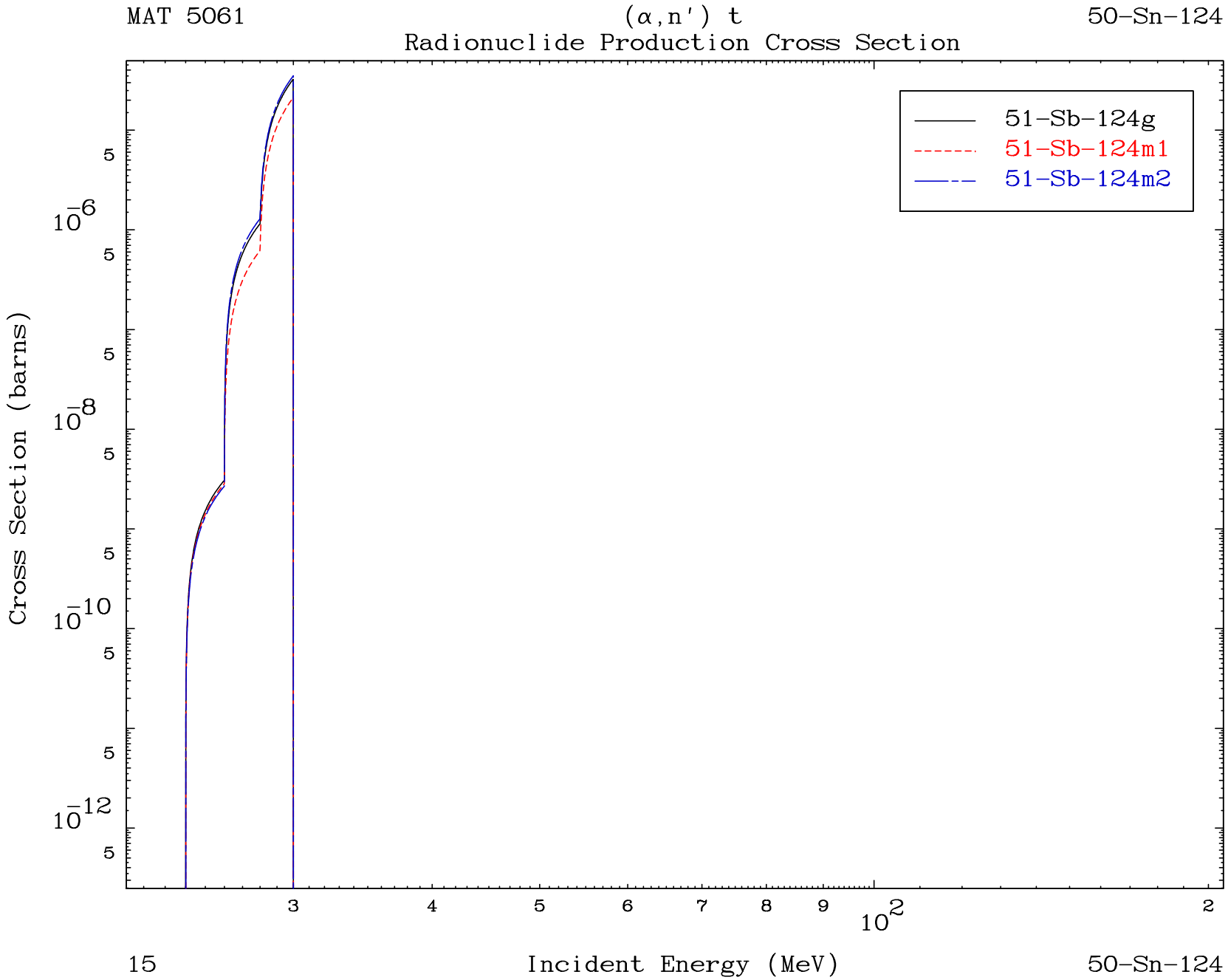

MAT 5061
(α,α) Levels
50-Sn-124
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
2
4
6
8
10^1
10^2
10
Incident Energy (MeV)
50-Sn-124

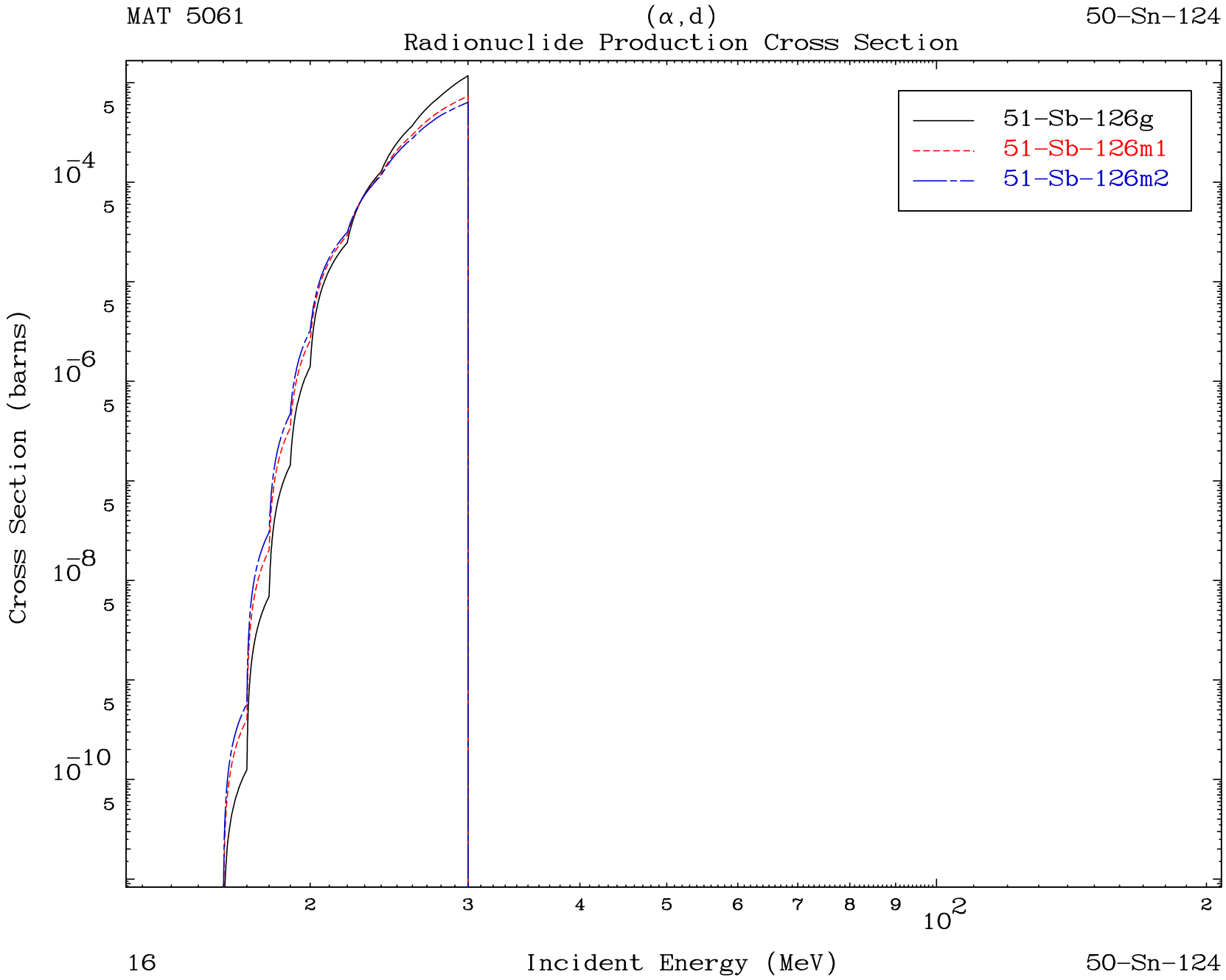

MAT 5061
α Inelastic
50-Sn-124
Radionuclide Production Cross Section
52-Te-127g
52-Te-127m2
Cross Section (barns)
Incident Energy (MeV)
11
50-Sn-124

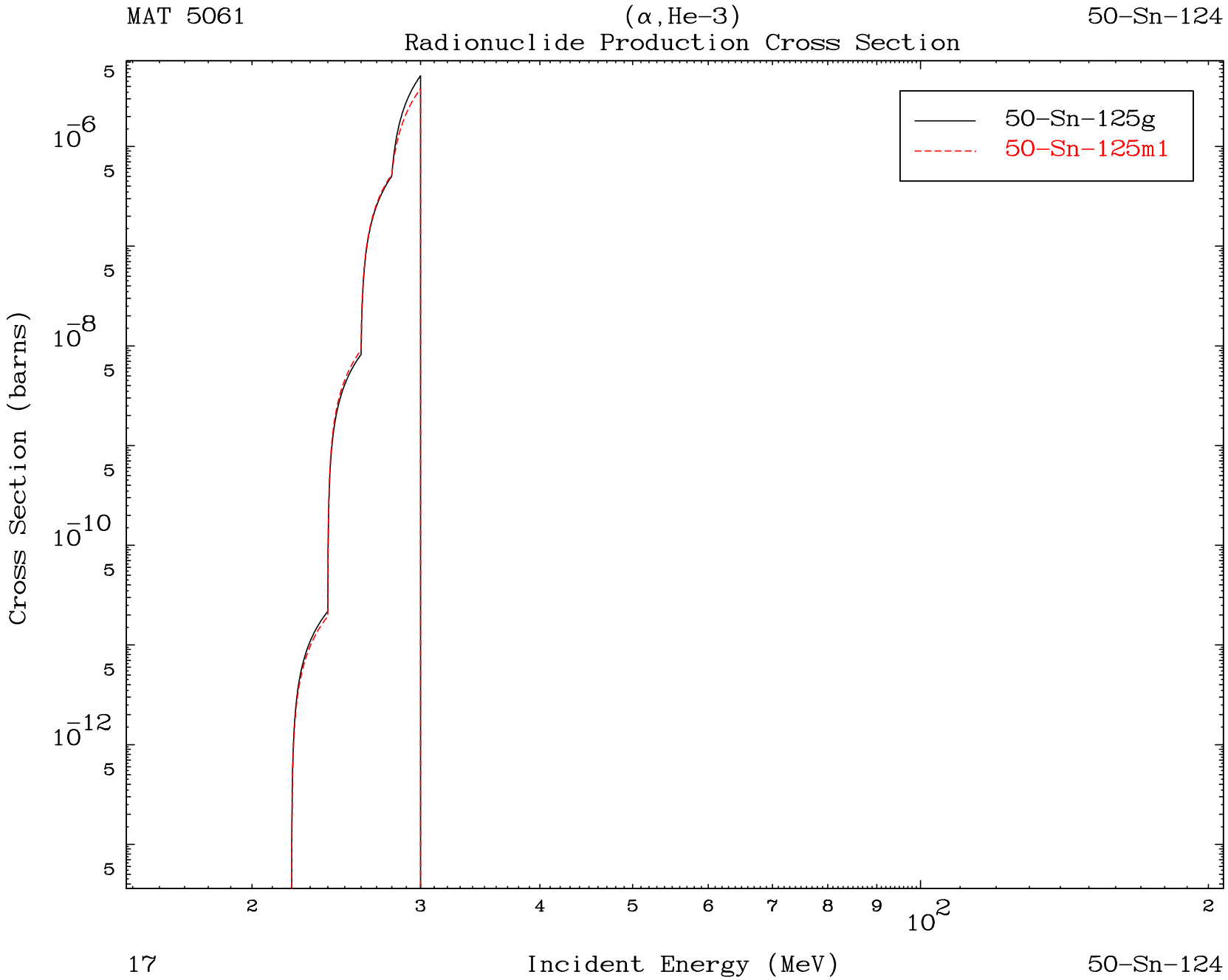

MAT 5061
(α,3n)
50-Sn-124
Radionuclide Production Cross Section
52-Te-125g
52-Te-125m2
Cross Section (barns)
Incident Energy (MeV)
12
50-Sn-124


MAT 5061
(α,n') α
50-Sn-124
Radionuclide Production Cross Section
50-Sn-123g
50-Sn-123m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
50-Sn-124


MAT 5061
(α,n') p
50-Sn-124
Radionuclide Production Cross Section
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
14
50-Sn-124


MAT 5061
(α,n') t
50-Sn-124
Radionuclide Production Cross Section
51-Sb-124g
51-Sb-124m1
51-Sb-124m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
50-Sn-124


MAT 5061
(α,d)
50-Sn-124
Radionuclide Production Cross Section
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
50-Sn-124


MAT 5061
(α,He-3)
50-Sn-124
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
50-Sn-124