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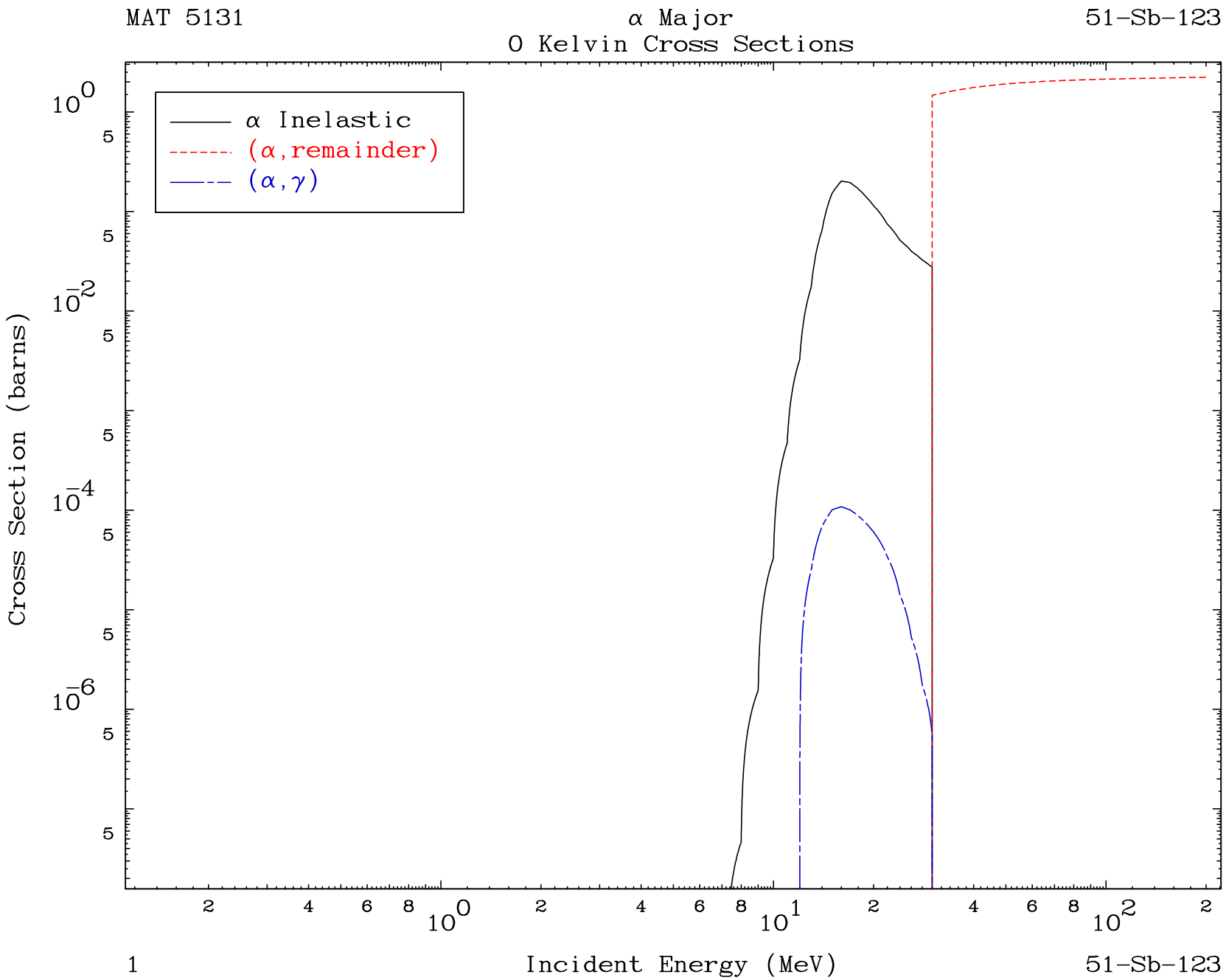
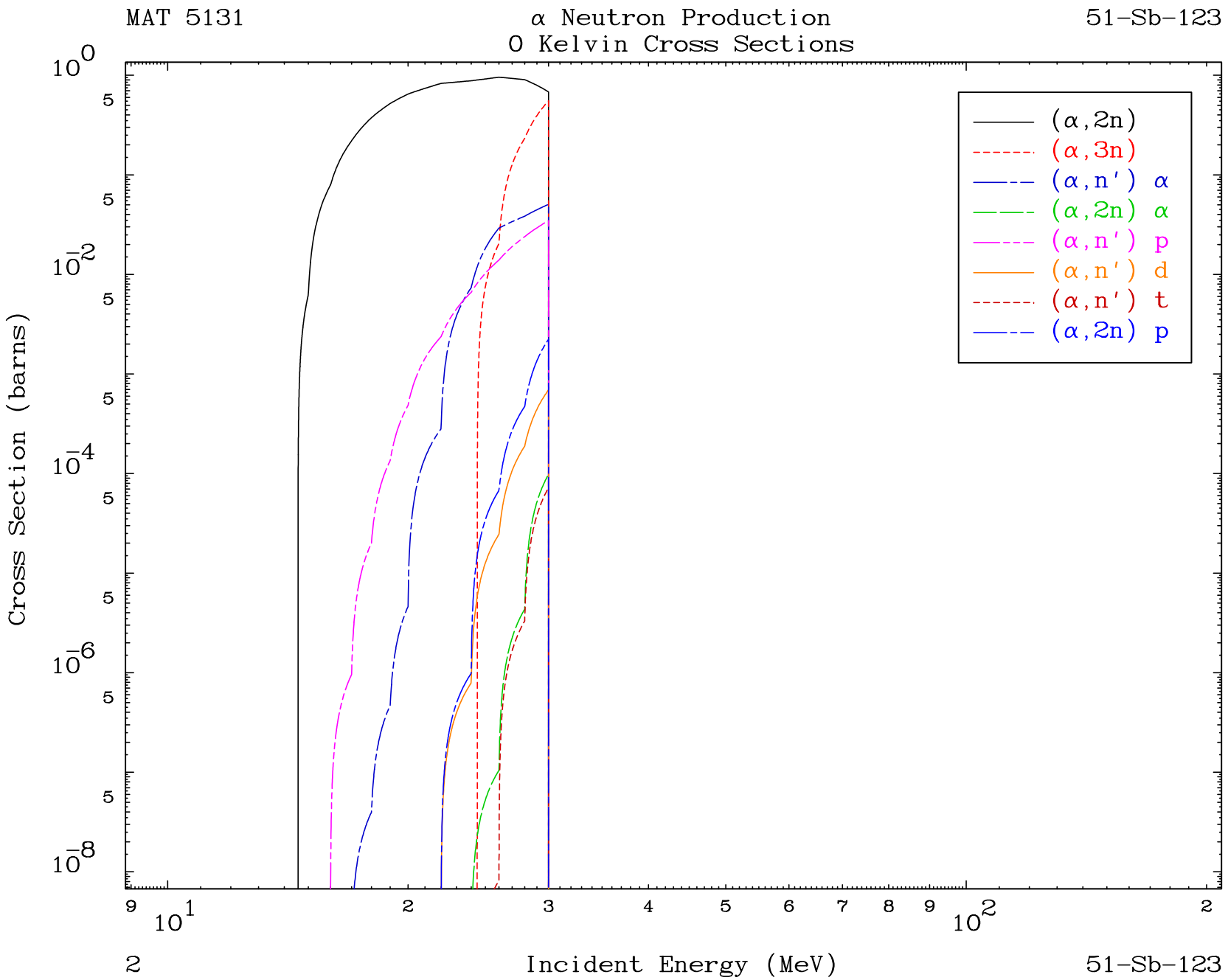
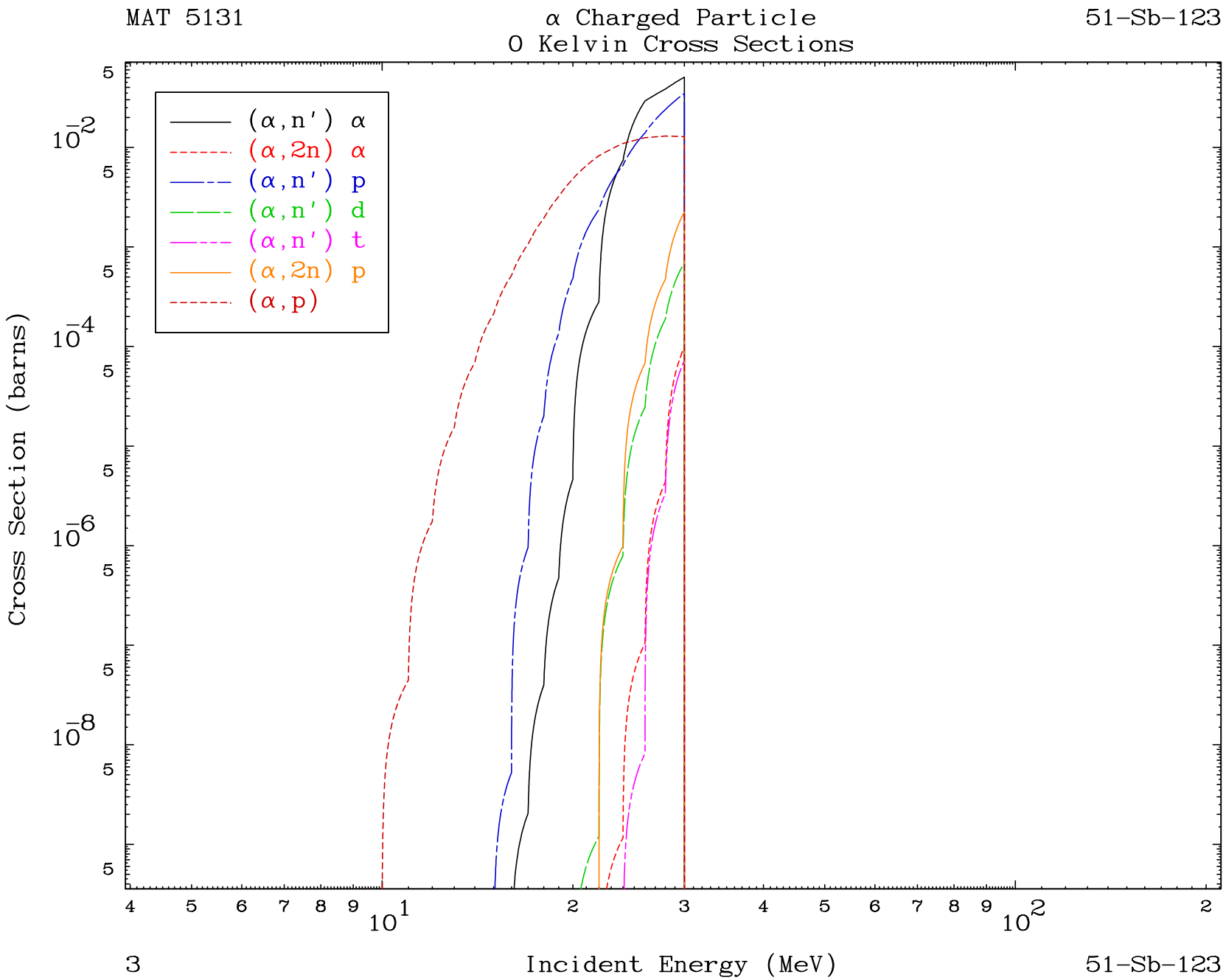
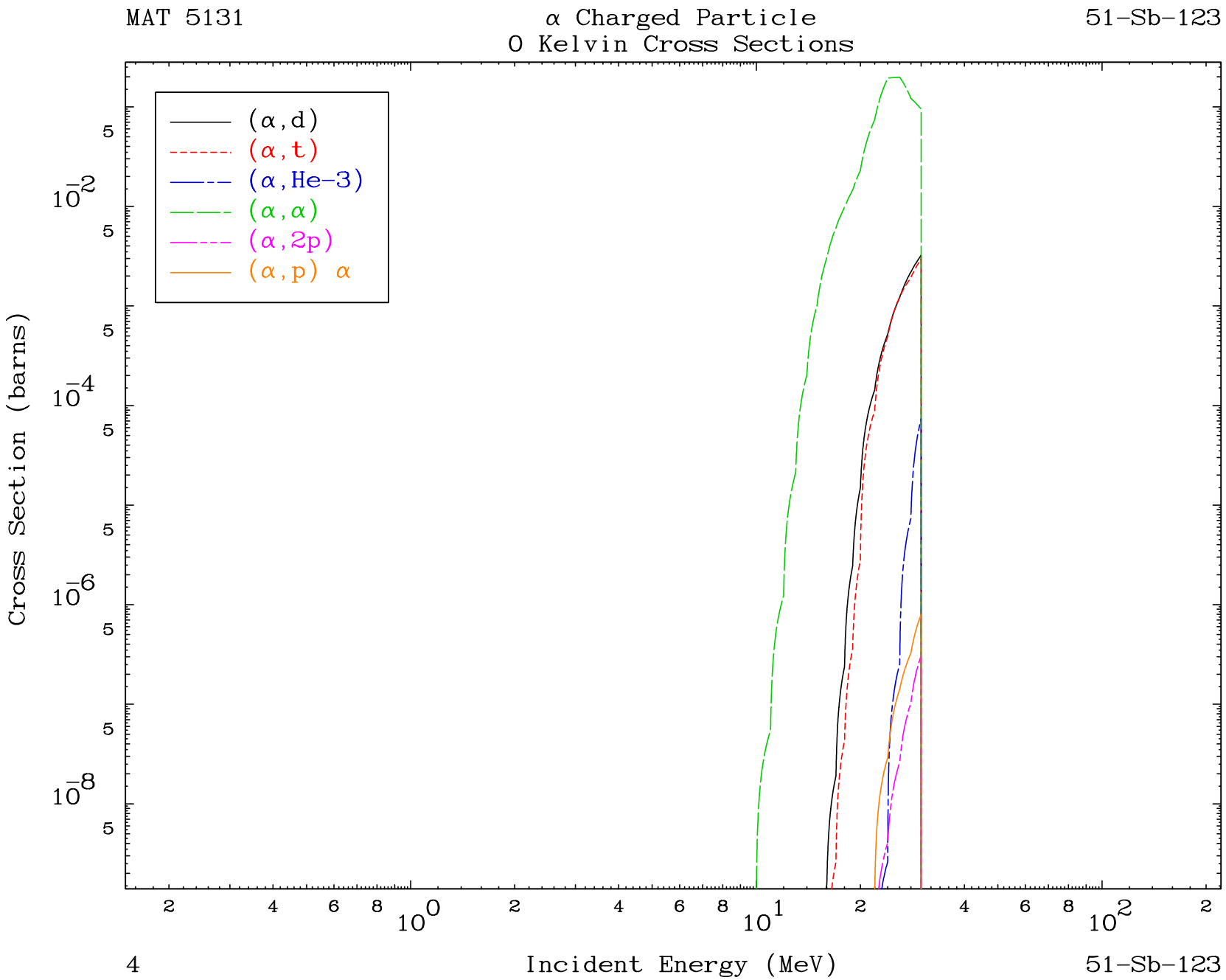
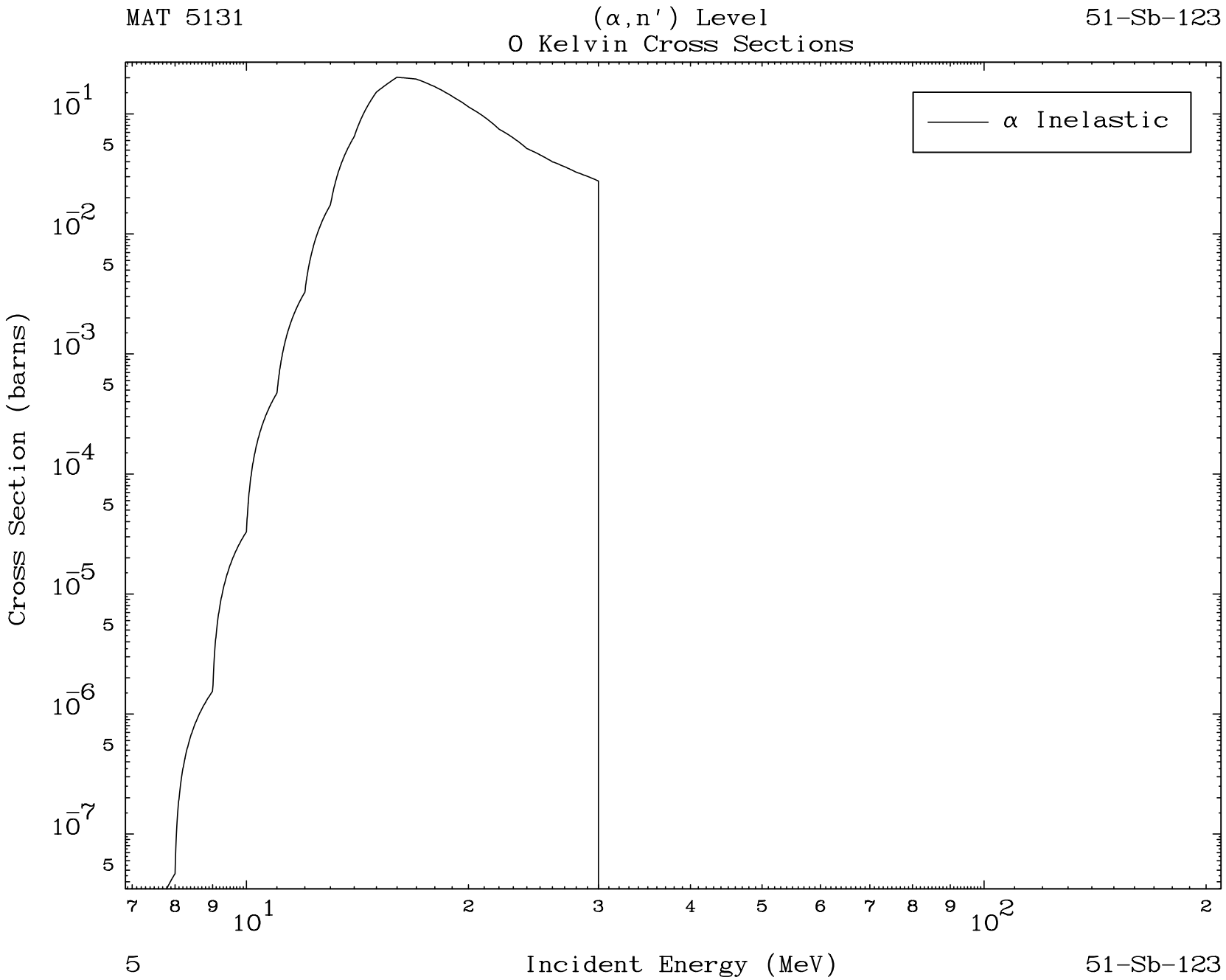
Press Mouse Button to Start

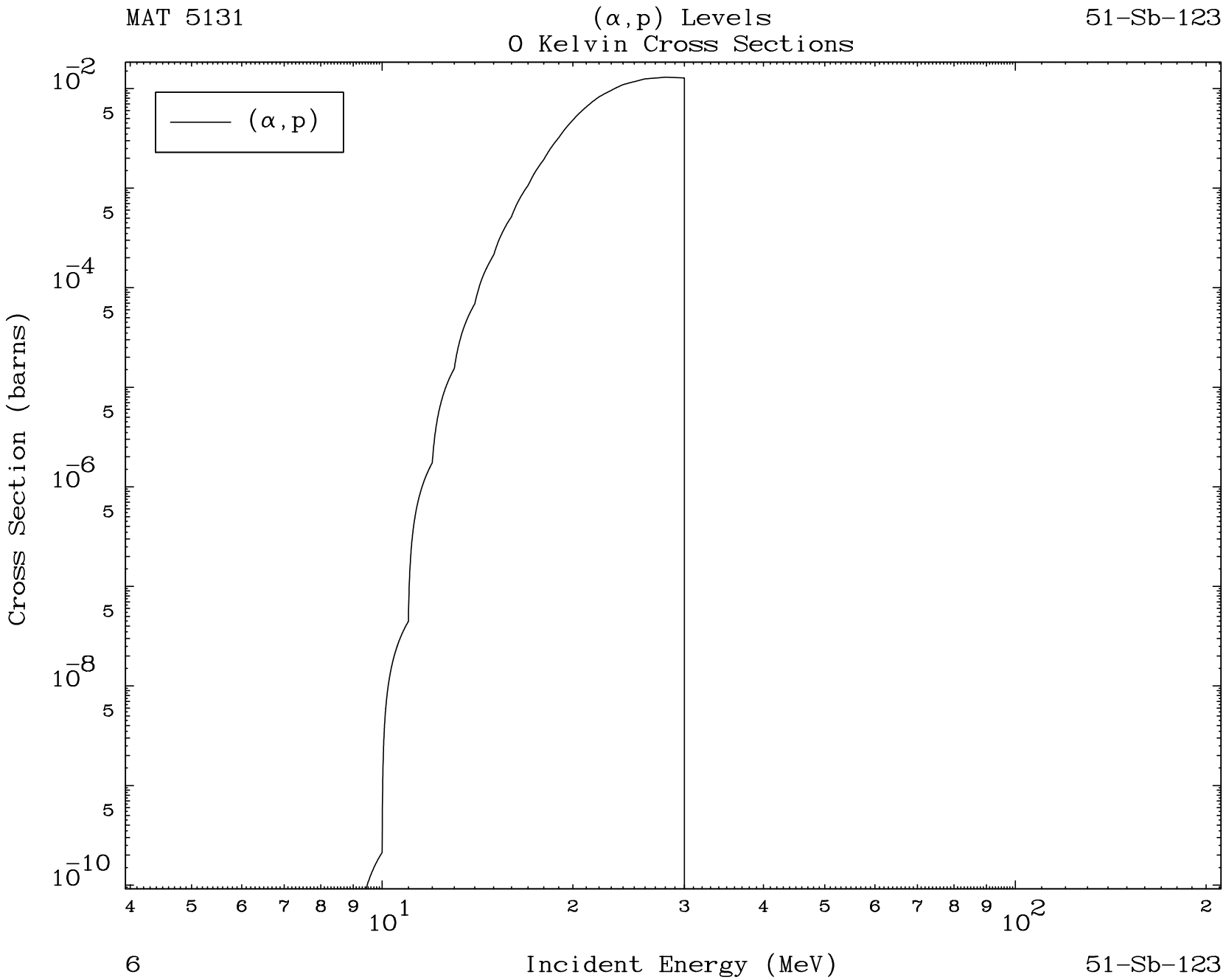

MAT 5131
α Major
51-Sb-123
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
51-Sb-123

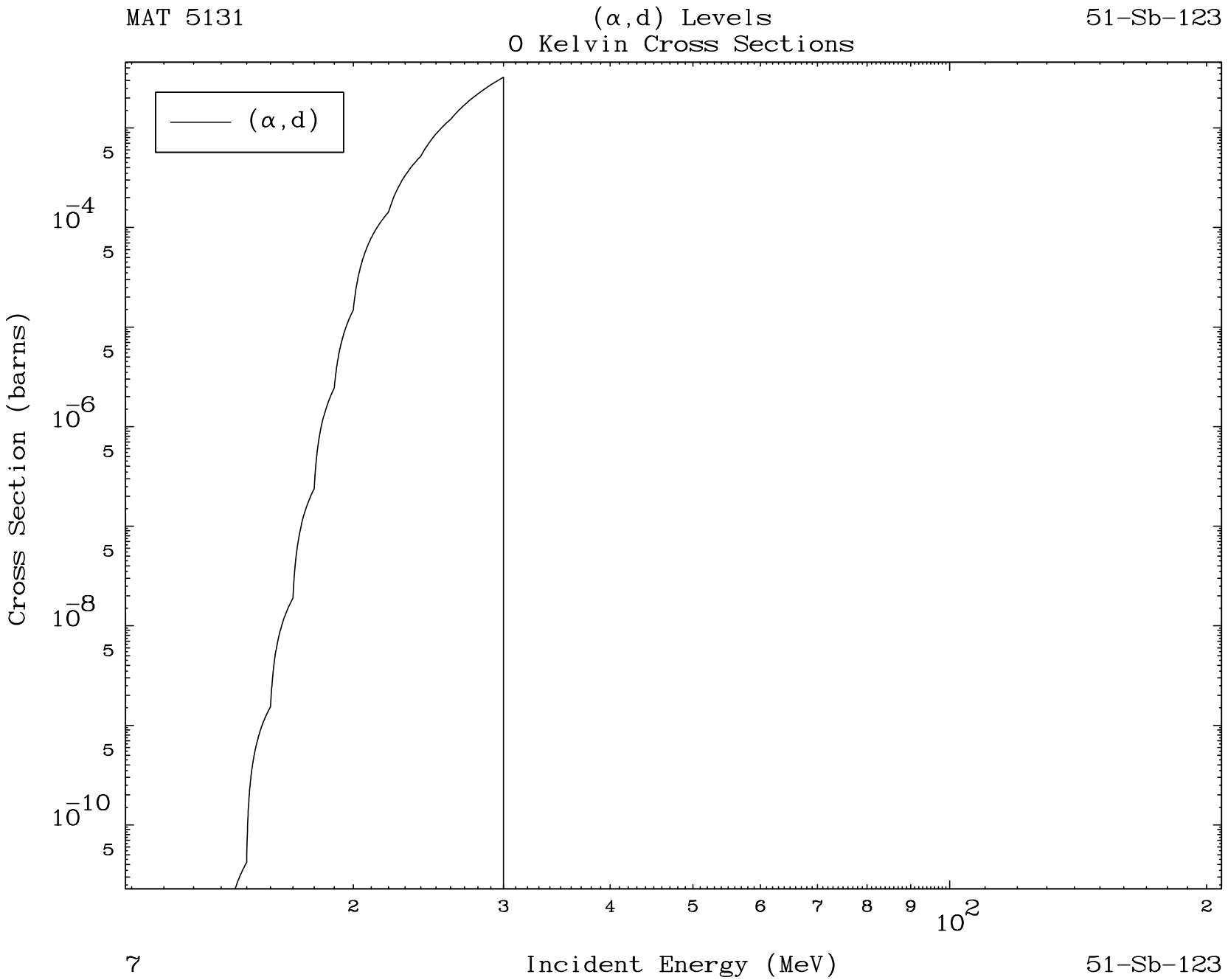

MAT 5131
α Neutron Production
0 Kelvin Cross Sections
51-Sb-123
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p


MAT 5131
α Charged Particle
0 Kelvin Cross Sections
51-Sb-123
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
Cross Section (barns)
Incident Energy (MeV)
51-Sb-123
3

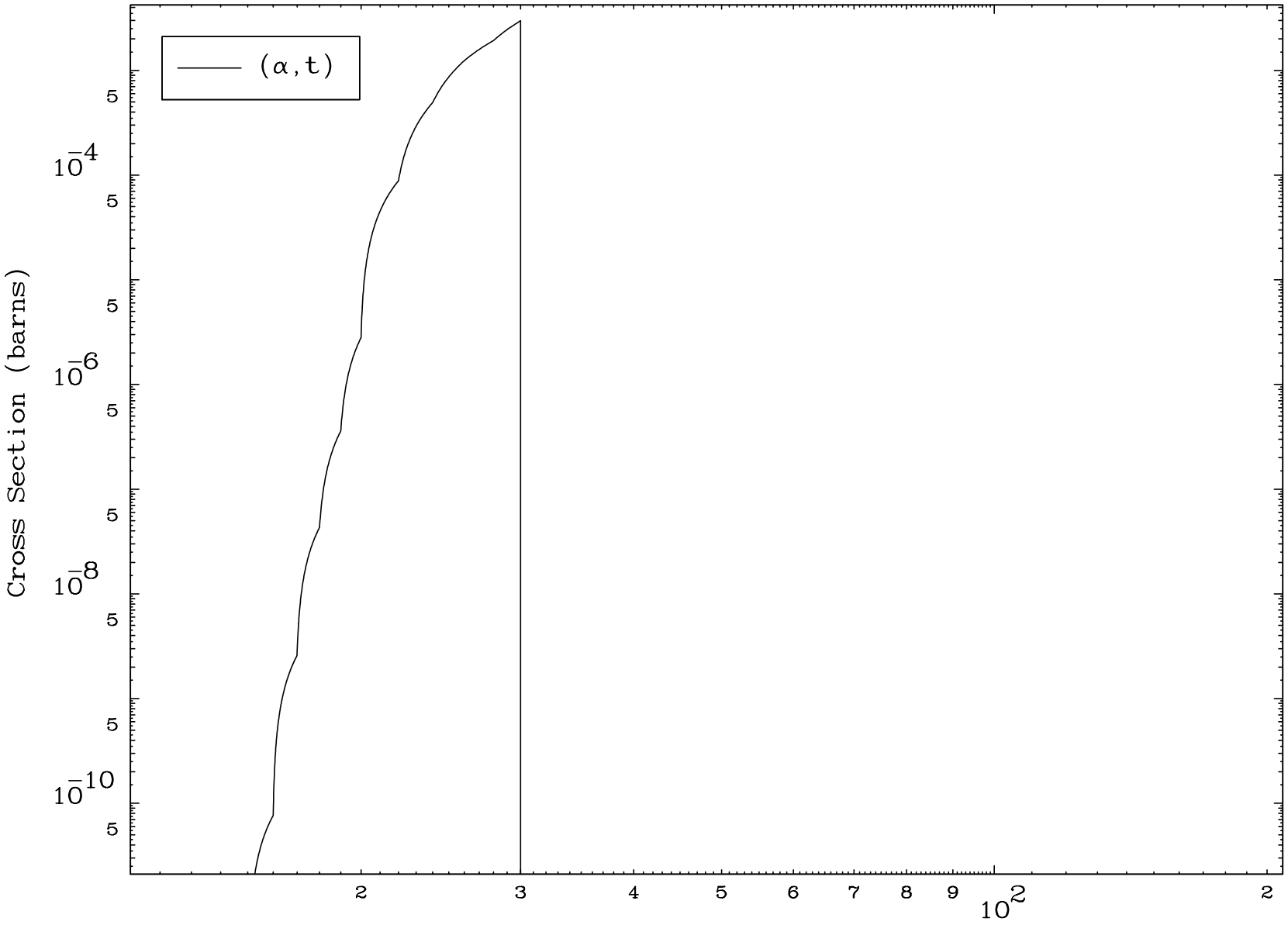

MAT 5131
α Charged Particle
0 Kelvin Cross Sections
51-Sb-123
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2p)
(α,p) α
Cross Section (barns)
Incident Energy (MeV)
4
51-Sb-123

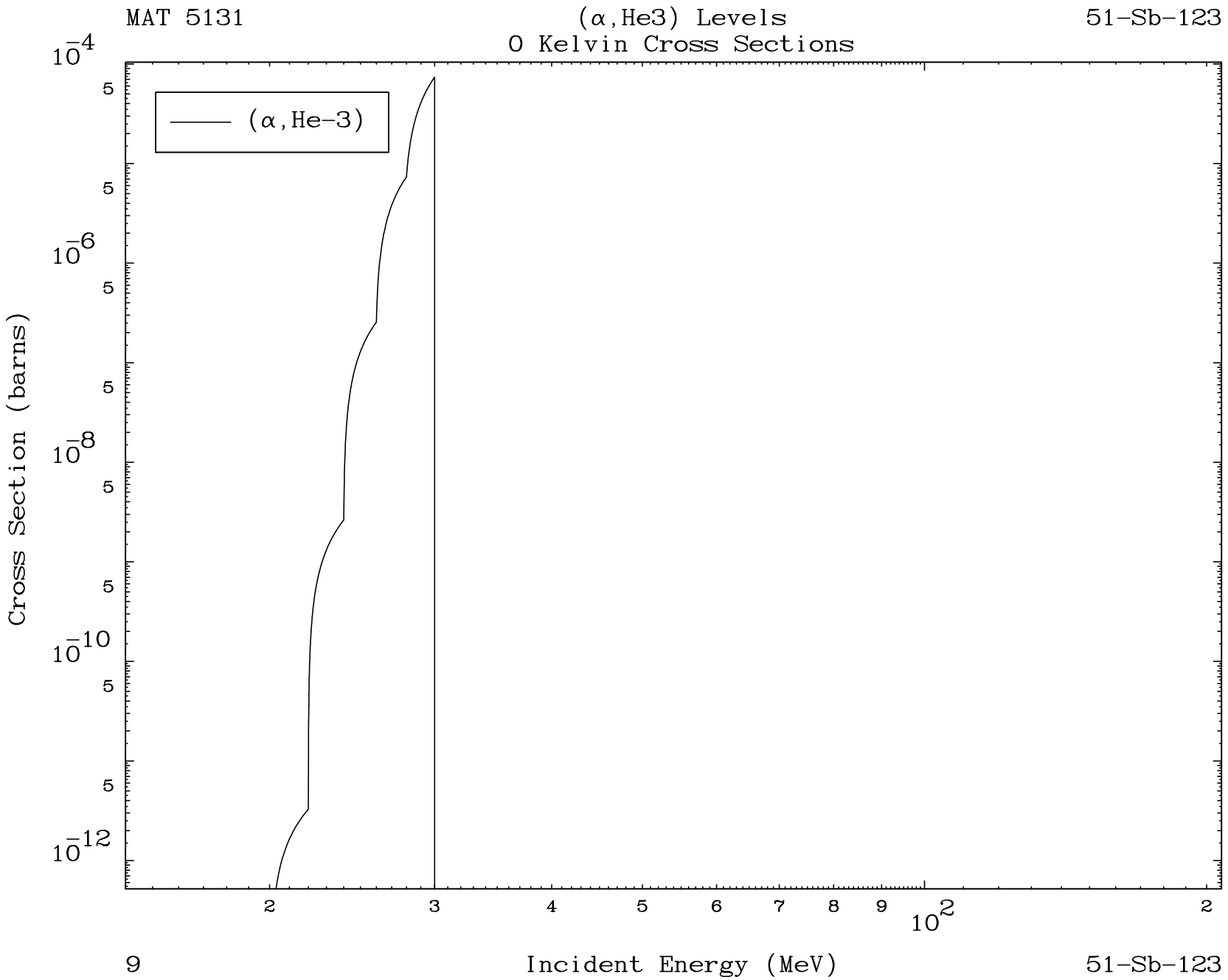

MAT 5131
(α,n') Level
51-Sb-123
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
51-Sb-123

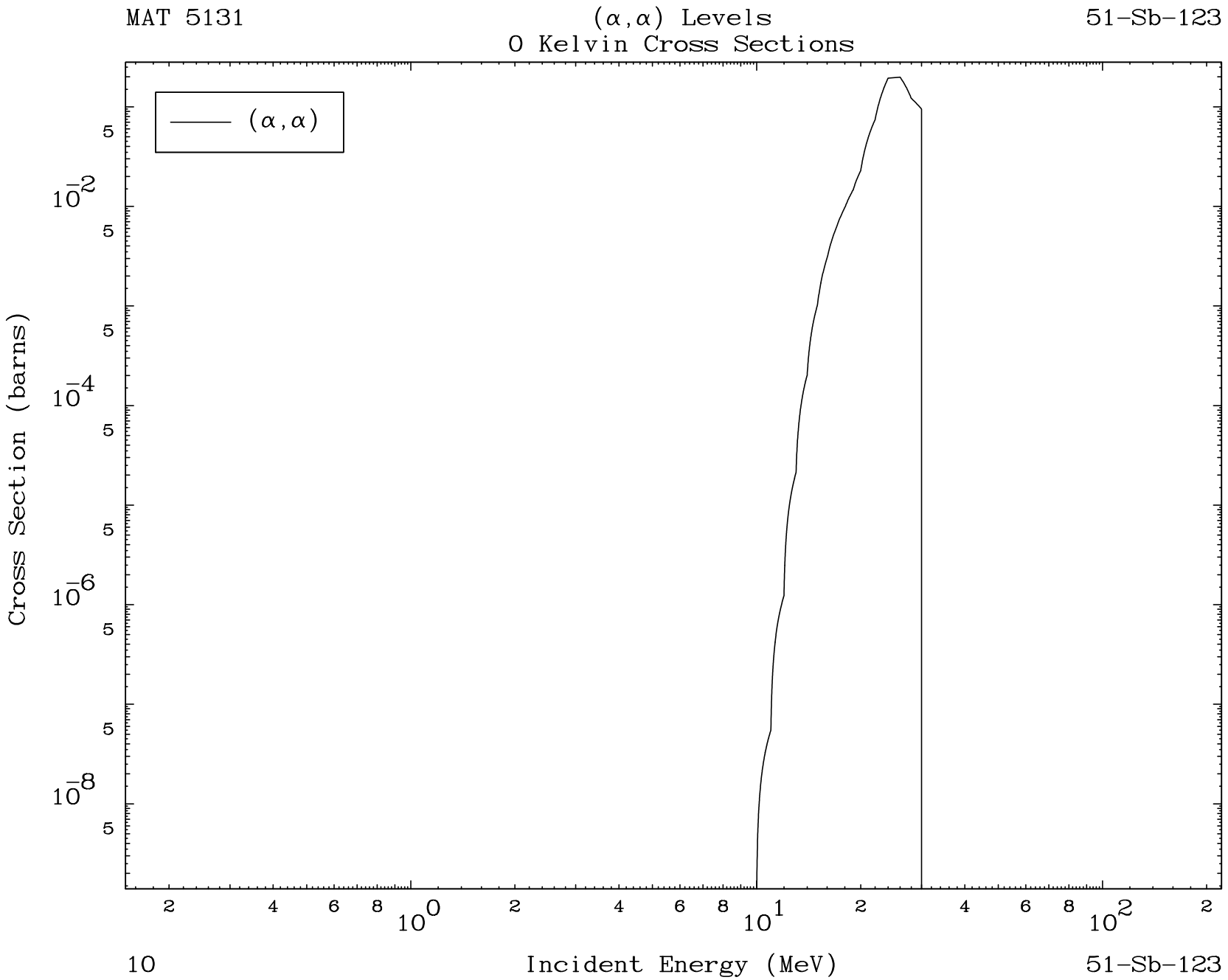

MAT 5131
(α,p) Levels
51-Sb-123
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
51-Sb-123

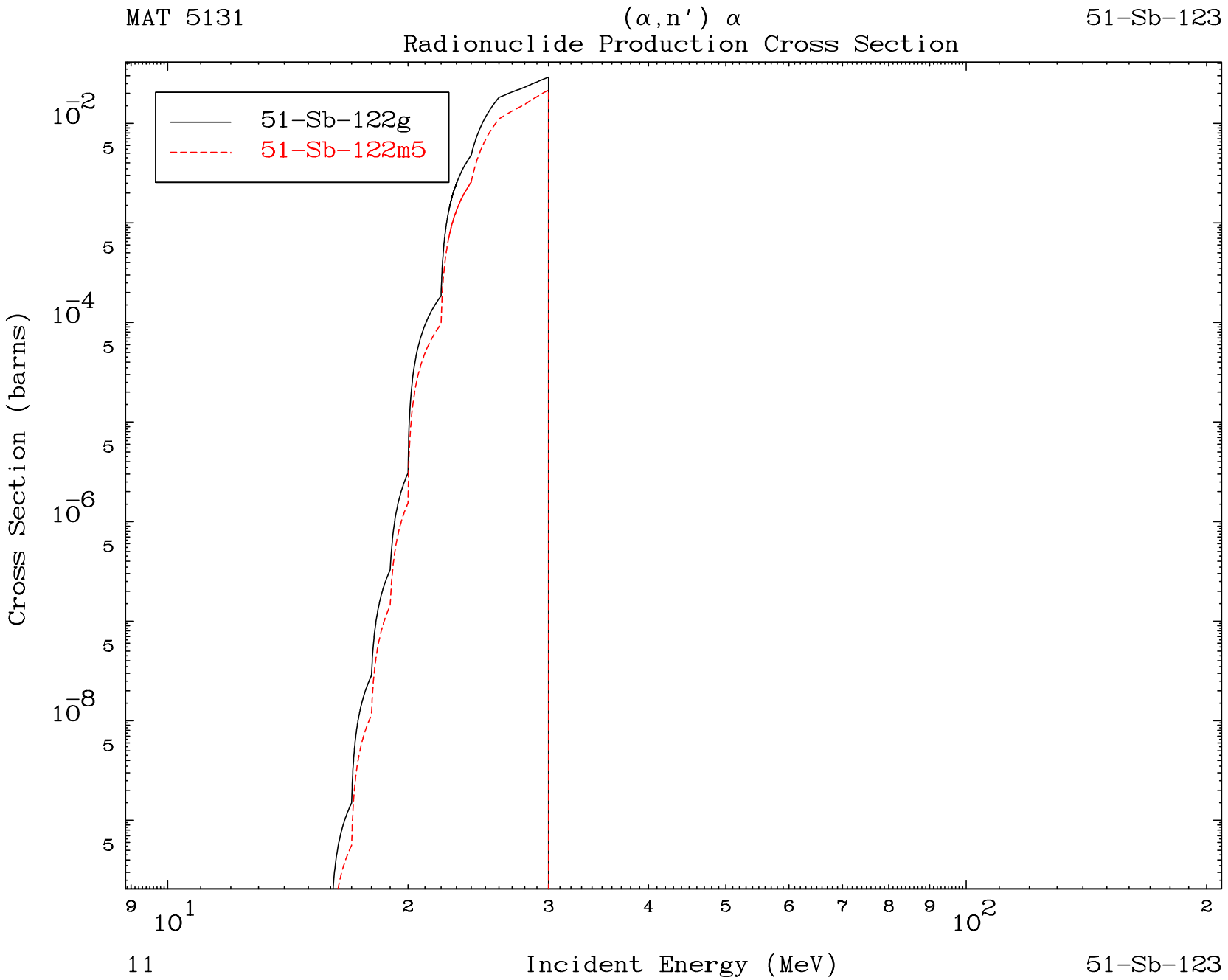

MAT 5131
(α,d) Levels
51-Sb-123
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
51-Sb-123

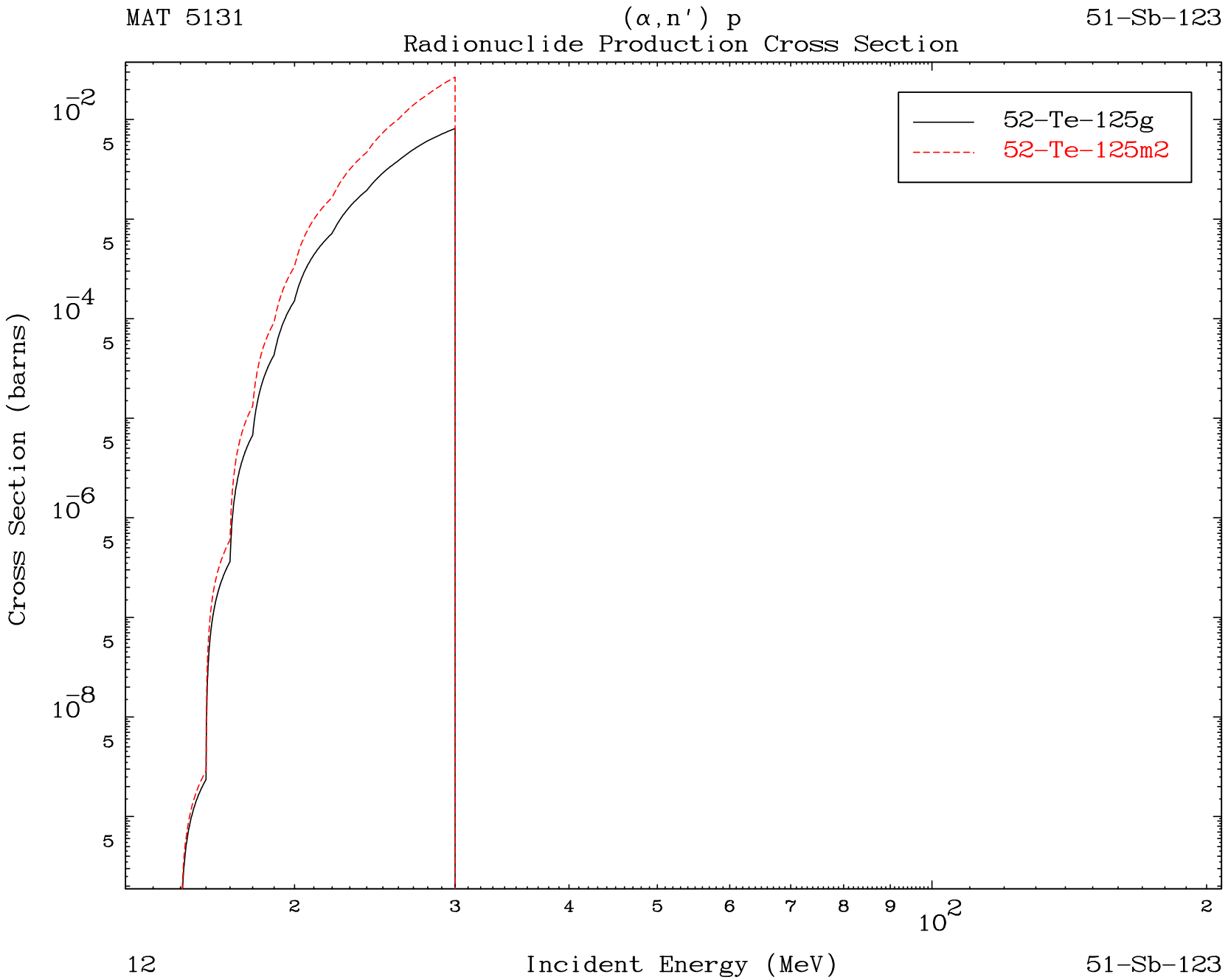
0 Kelvin Cross Sections

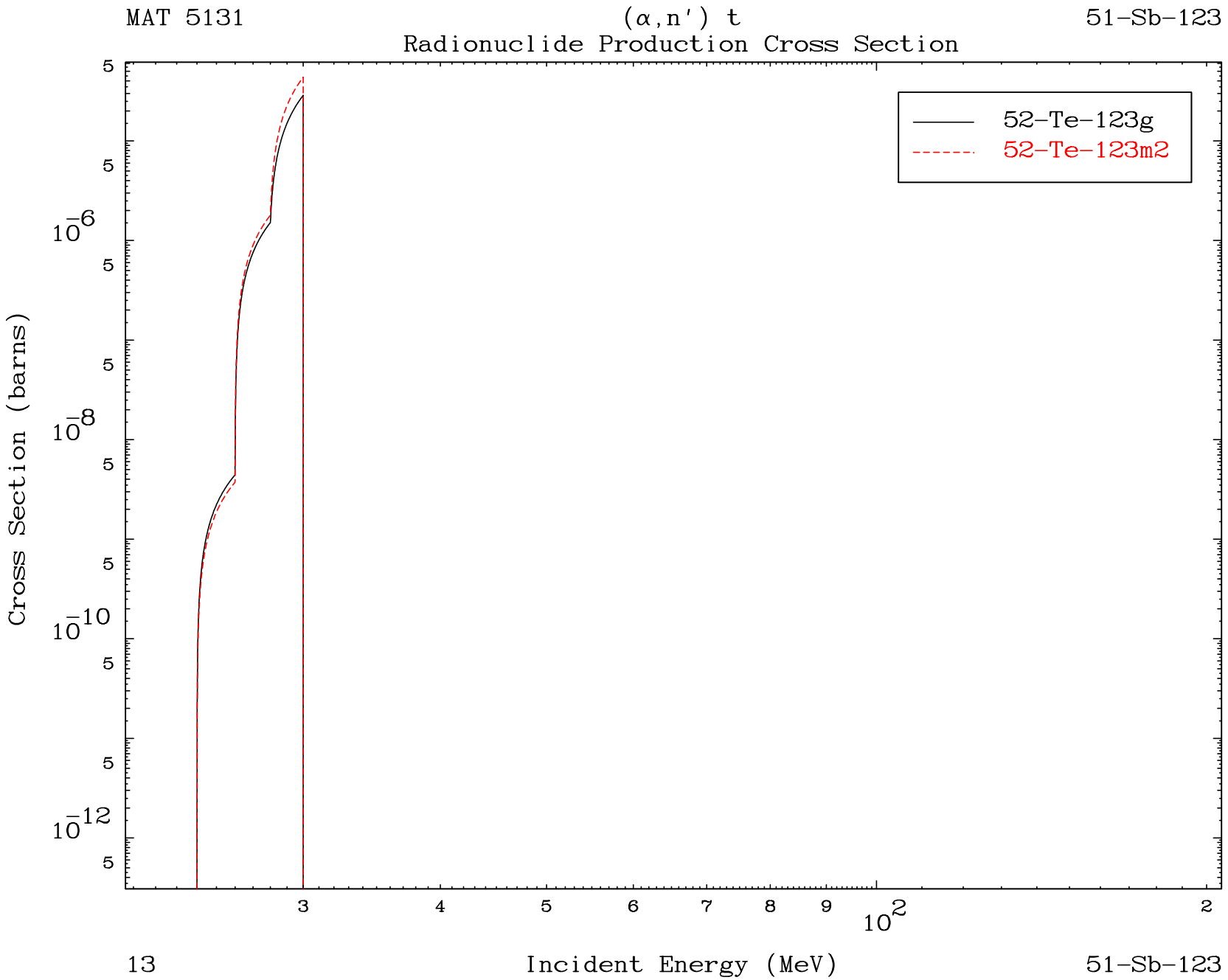


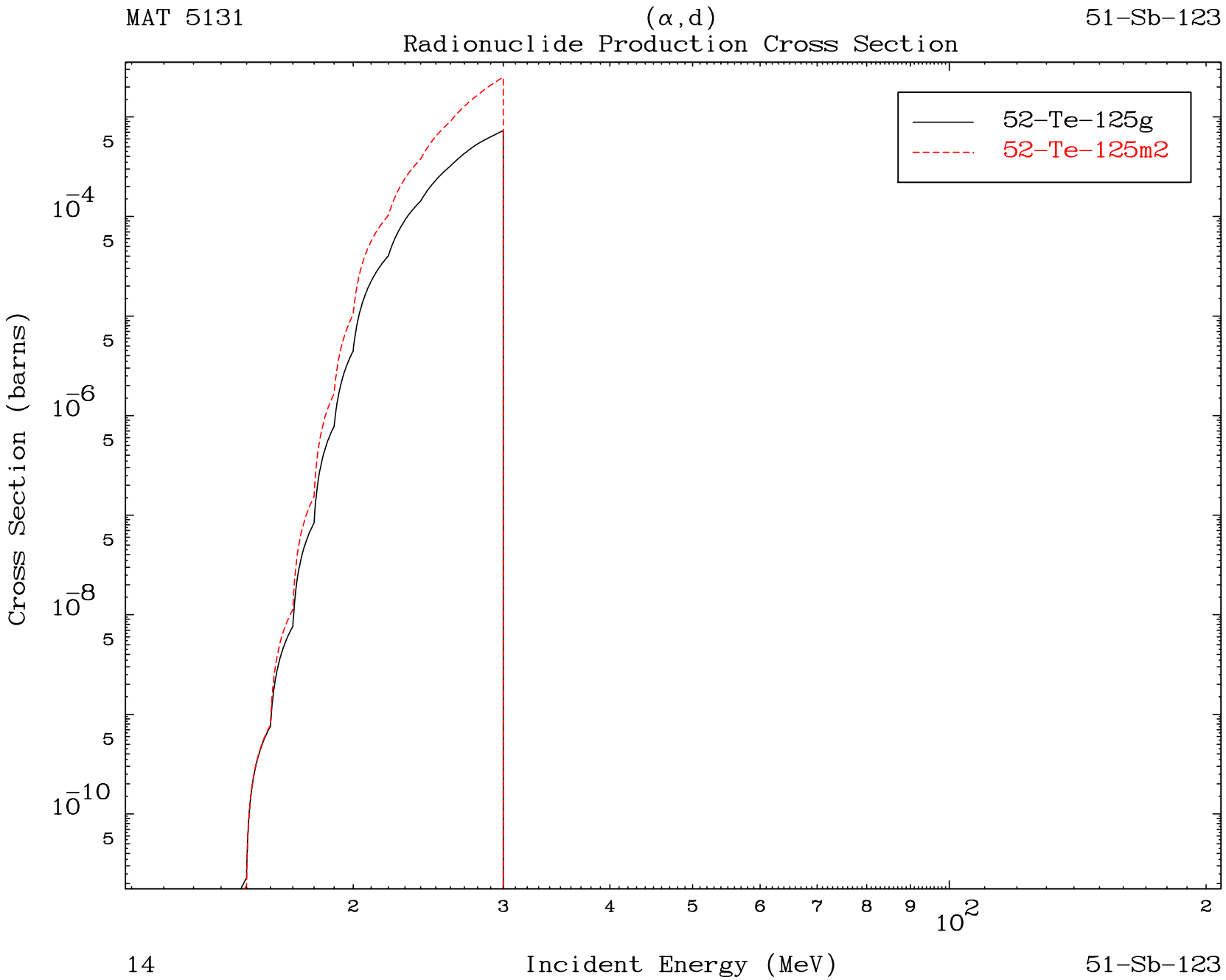

MAT 5131
(α,He3) Levels
51-Sb-123
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
10-12
5
2
3
4
5
6
7
8
9
10 2
2
9
Incident Energy (MeV)
51-Sb-123

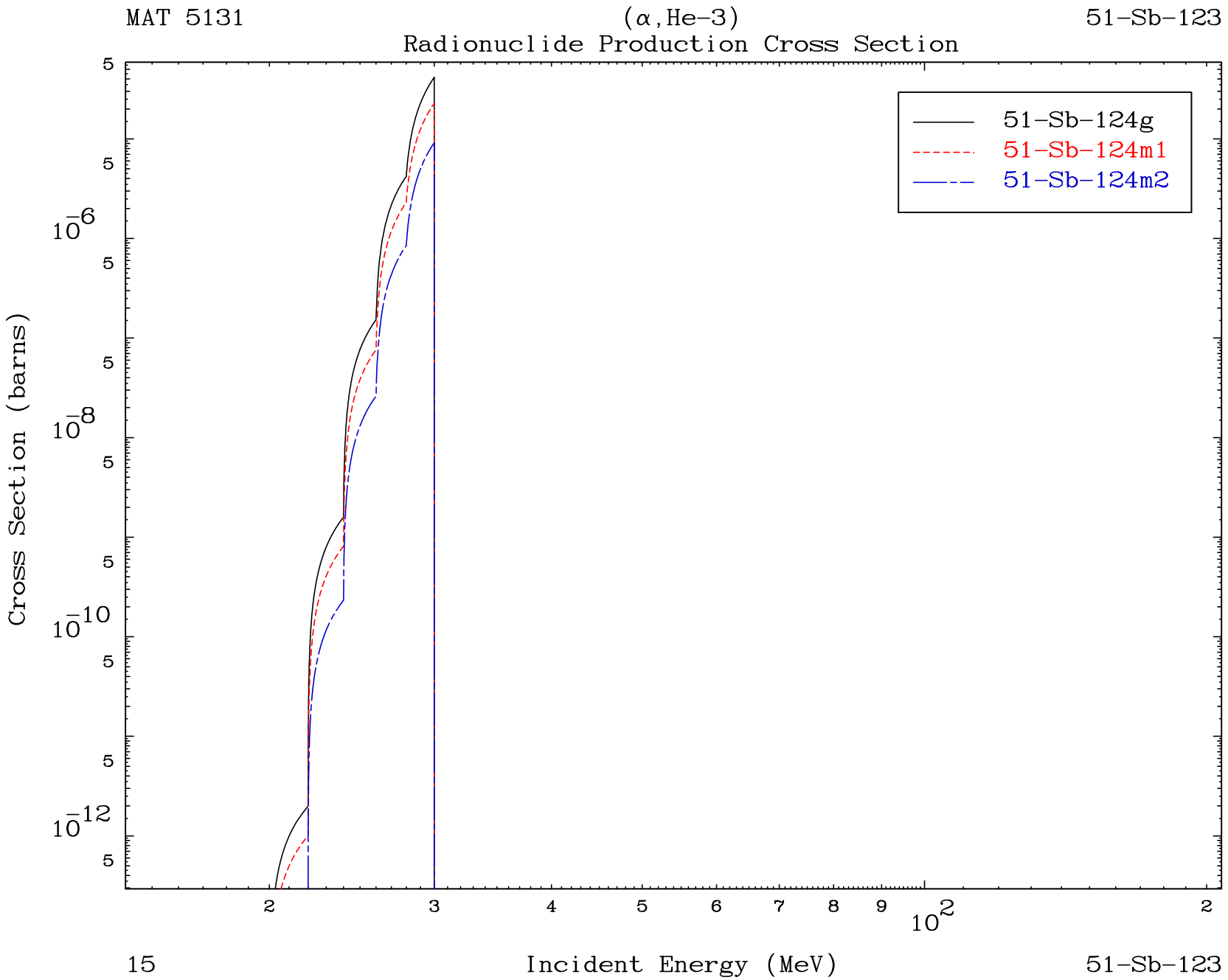

MAT 5131
(α,α) Levels
51-Sb-123
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
51-Sb-123


MAT 5131
(α,n') α
51-Sb-123
Radionuclide Production Cross Section
51-Sb-122g
51-Sb-122m5
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
11
Incident Energy (MeV)
51-Sb-123


MAT 5131
(α,n') p
51-Sb-123
Radionuclide Production Cross Section
52-Te-125g
52-Te-125m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
51-Sb-123


MAT 5131
(α,n') t
51-Sb-123
Radionuclide Production Cross Section
52-Te-123g
52-Te-123m2
Cross Section (barns)
Incident Energy (MeV)
13
51-Sb-123


MAT 5131
(α,d)
51-Sb-123
Radionuclide Production Cross Section
52-Te-125g
52-Te-125m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
14
51-Sb-123


MAT 5131
(α,He-3)
51-Sb-123
Radionuclide Production Cross Section
51-Sb-124g
51-Sb-124m1
51-Sb-124m2
Cross Section (barns)
10-6
10-8
10-10
10-12
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
51-Sb-123