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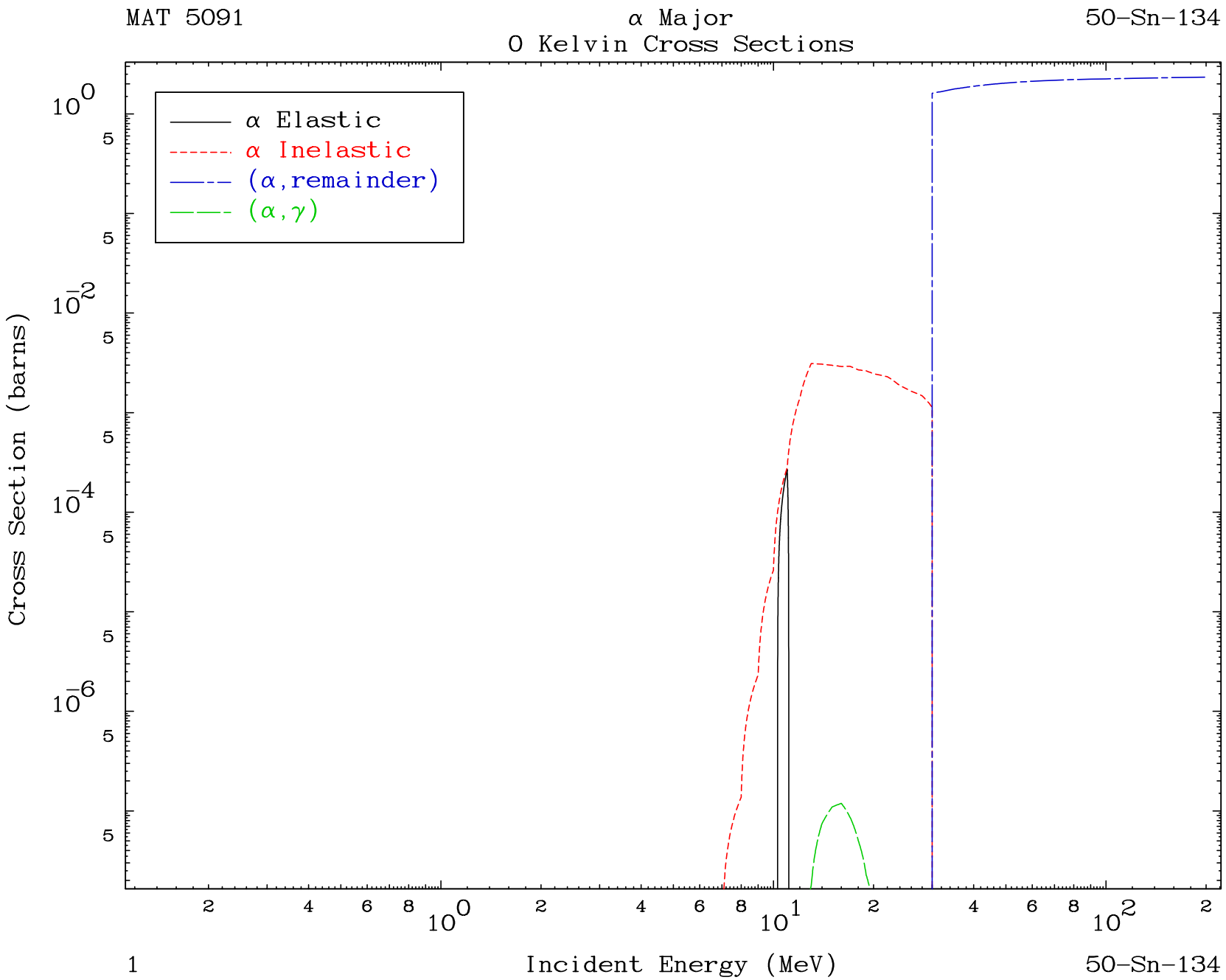
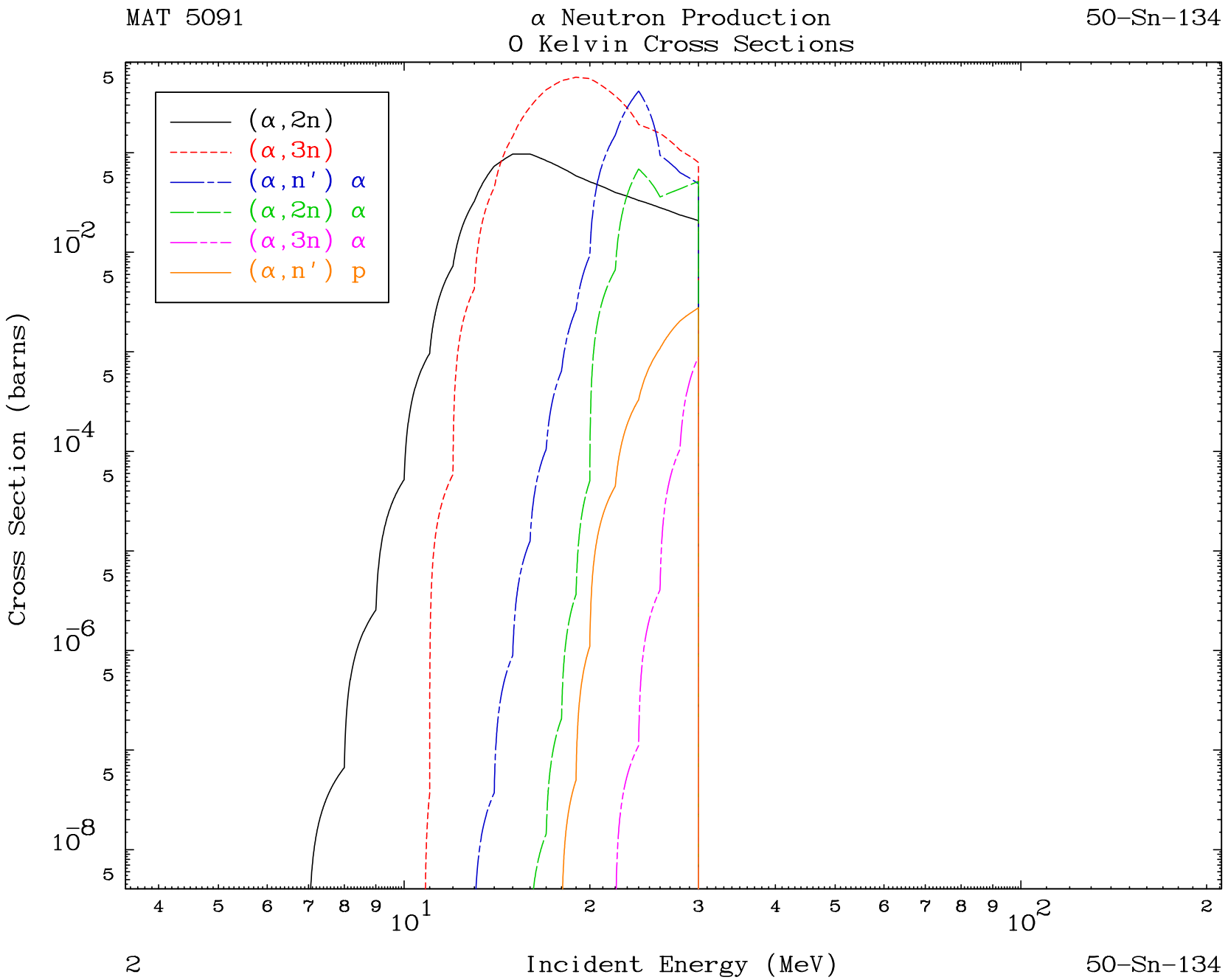
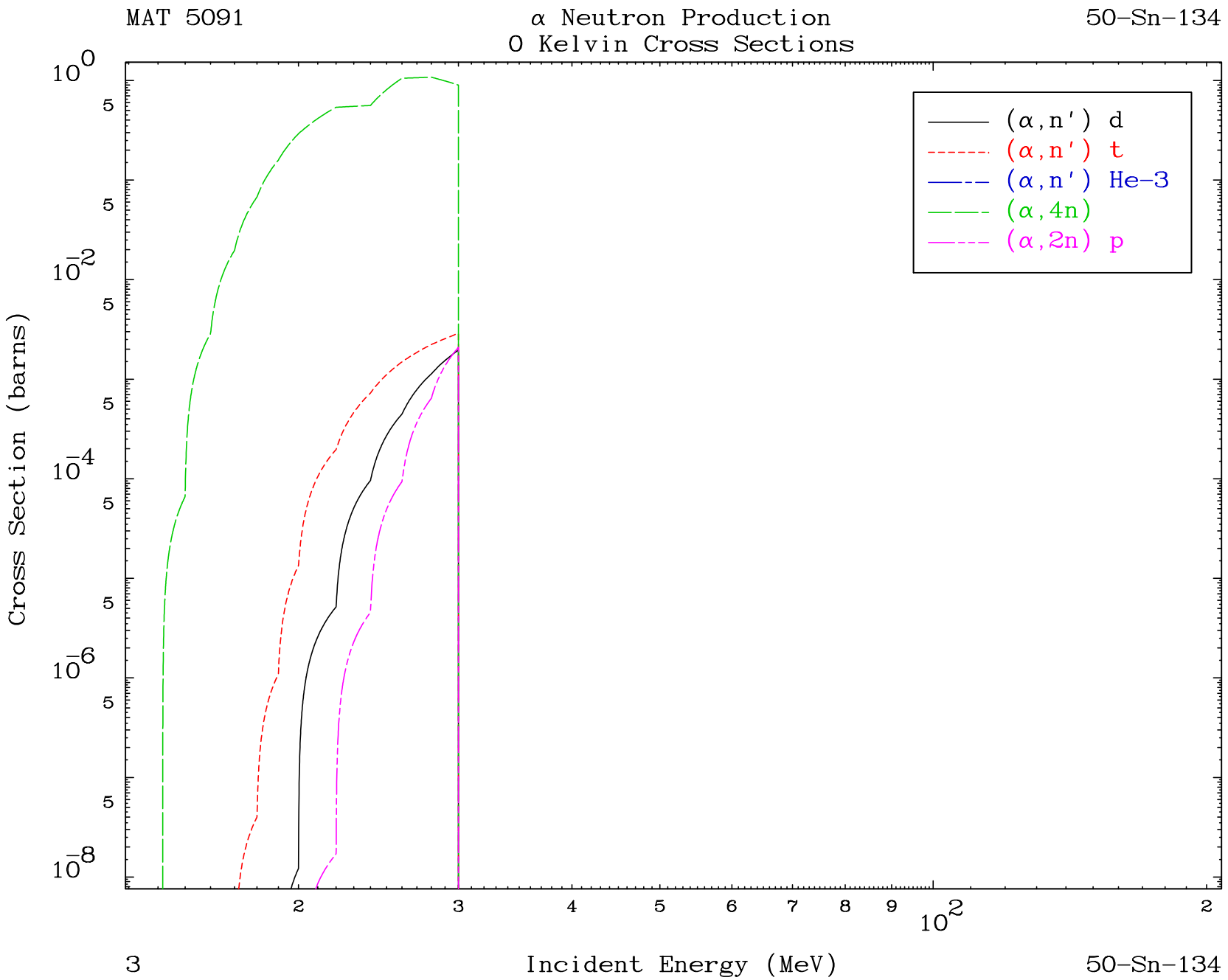
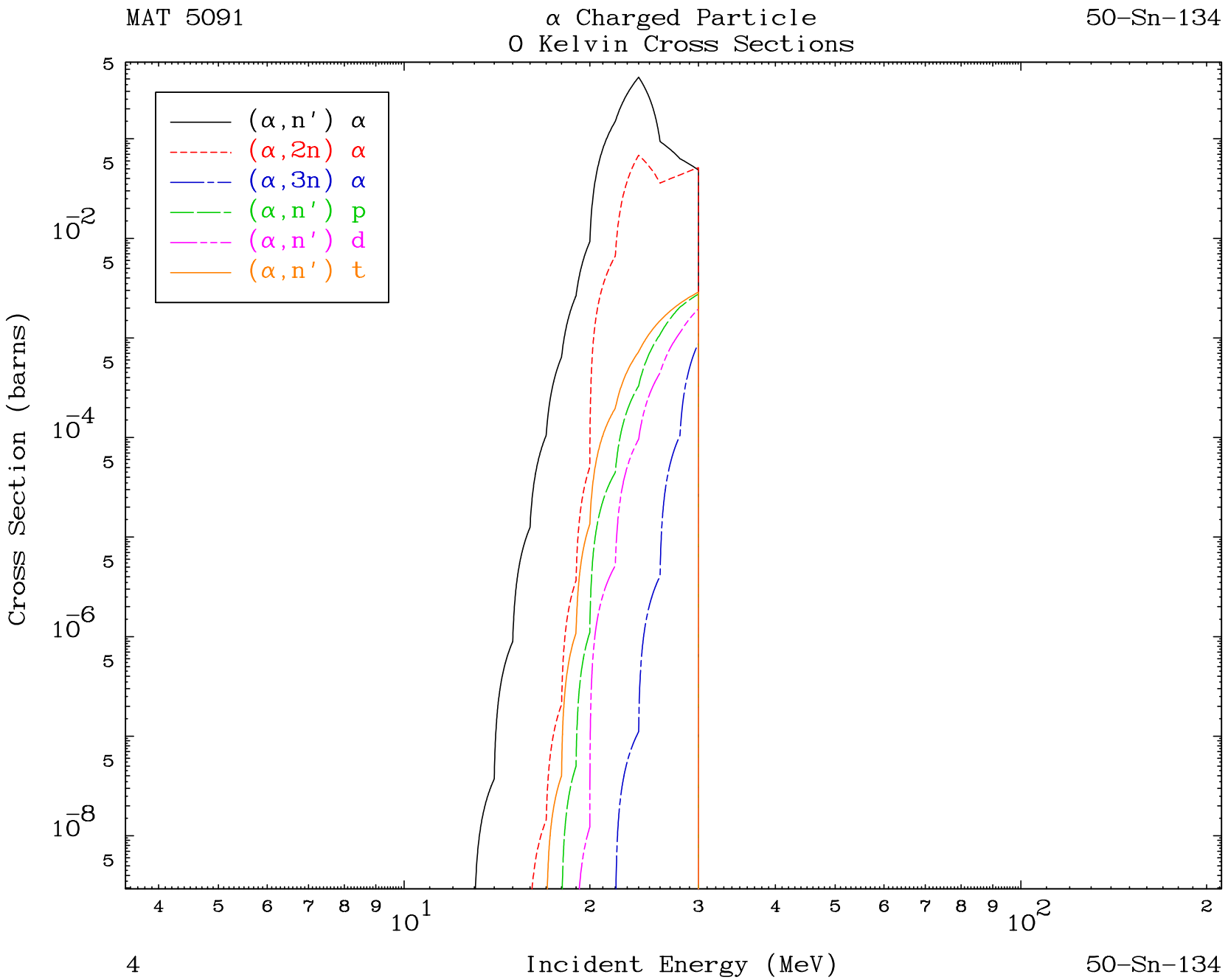
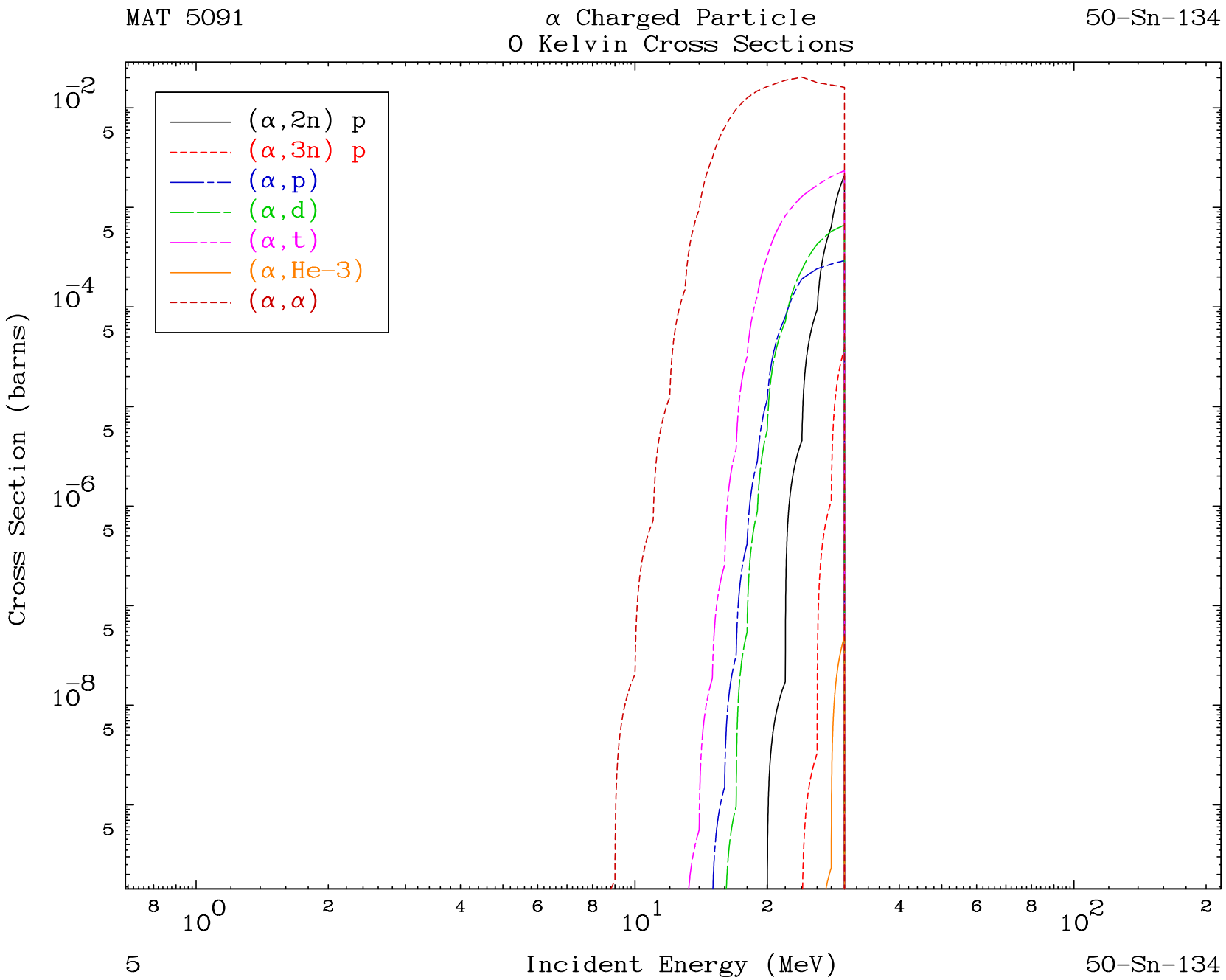
Press Mouse Button to Start

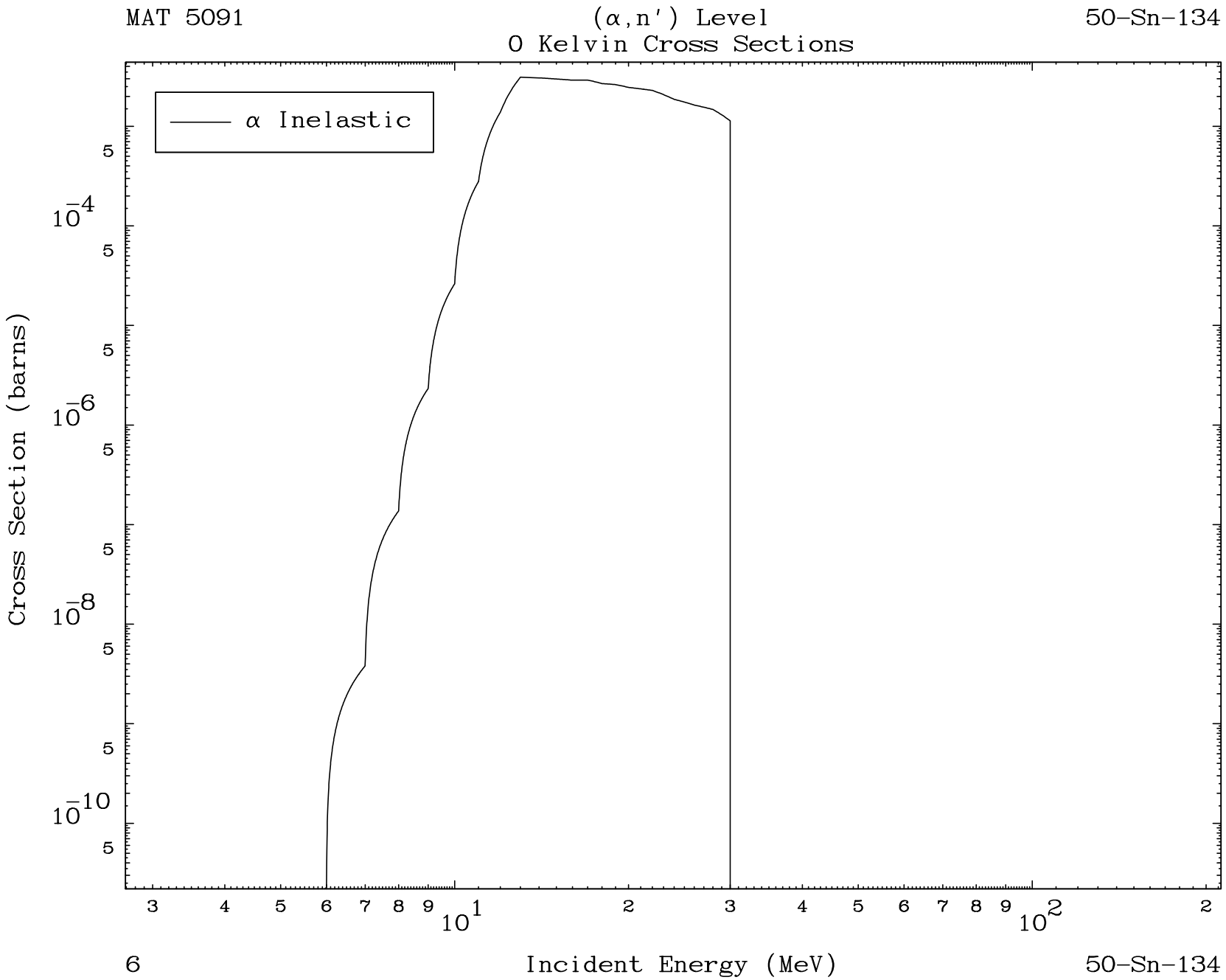

MAT 5091
α Major
50-Sn-134
0 Kelvin Cross Sections
α Elastic
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-134
1

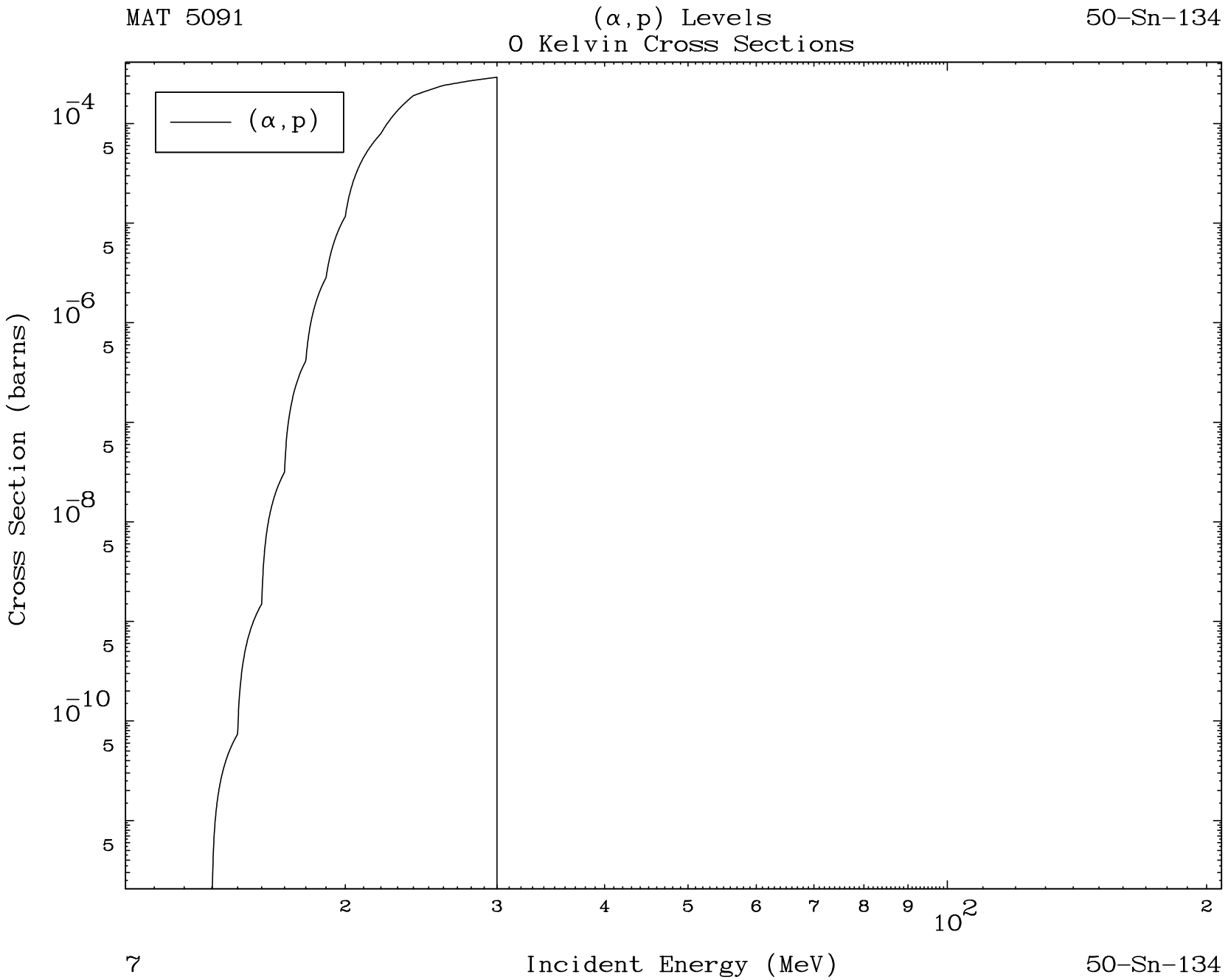

MAT 5091
α Neutron Production
0 Kelvin Cross Sections
50-Sn-134
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
Cross Section (barns)
Incident Energy (MeV)
50-Sn-134
2

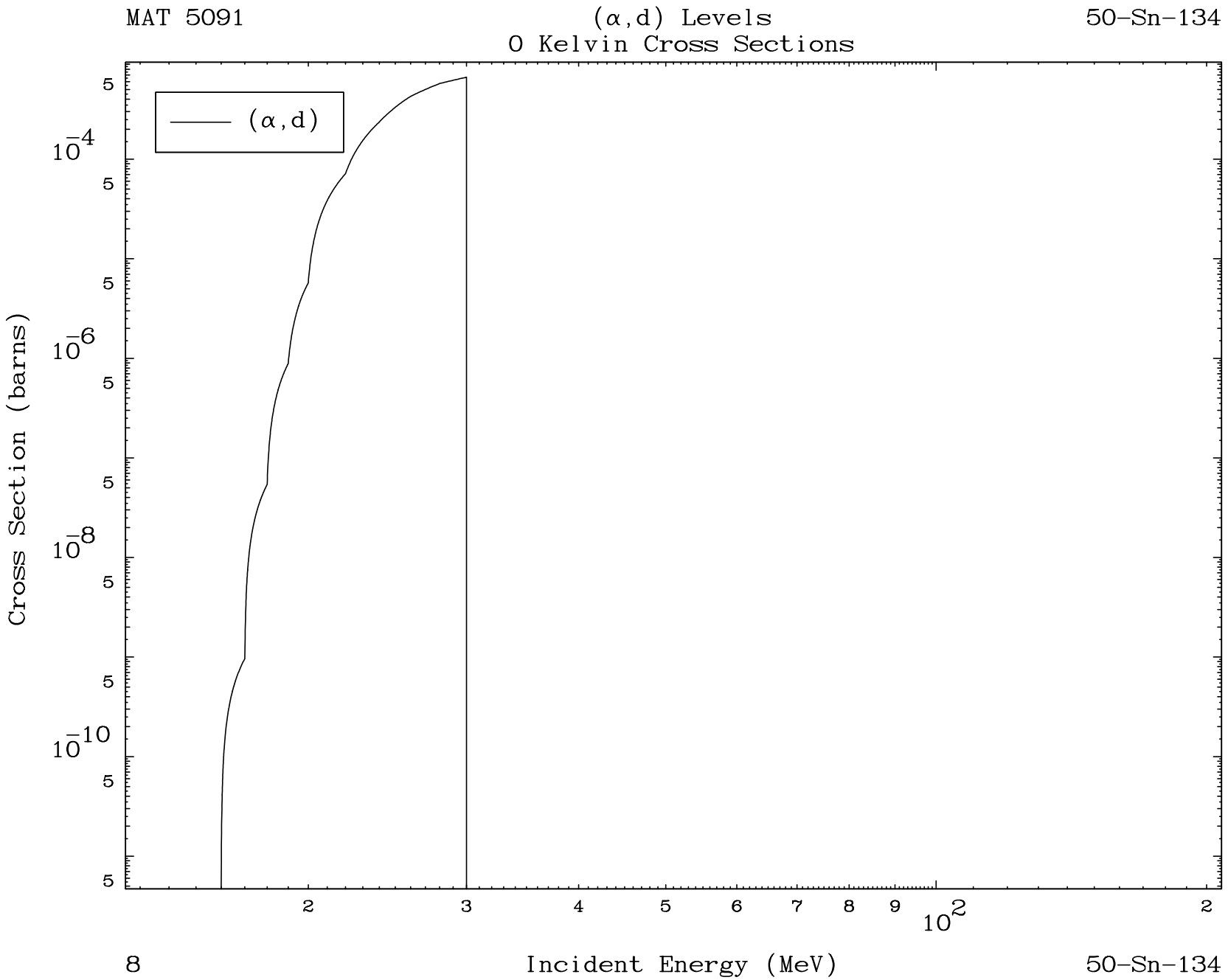

MAT 5091
α Neutron Production
0 Kelvin Cross Sections
50-Sn-134
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^-8
(α,n') d
(α,n') t
(α,n') He-3
(α,4n)
(α,2n) p
2
3
4
5
6
7
8
9
10^2
Incident Energy (MeV)
3
50-Sn-134

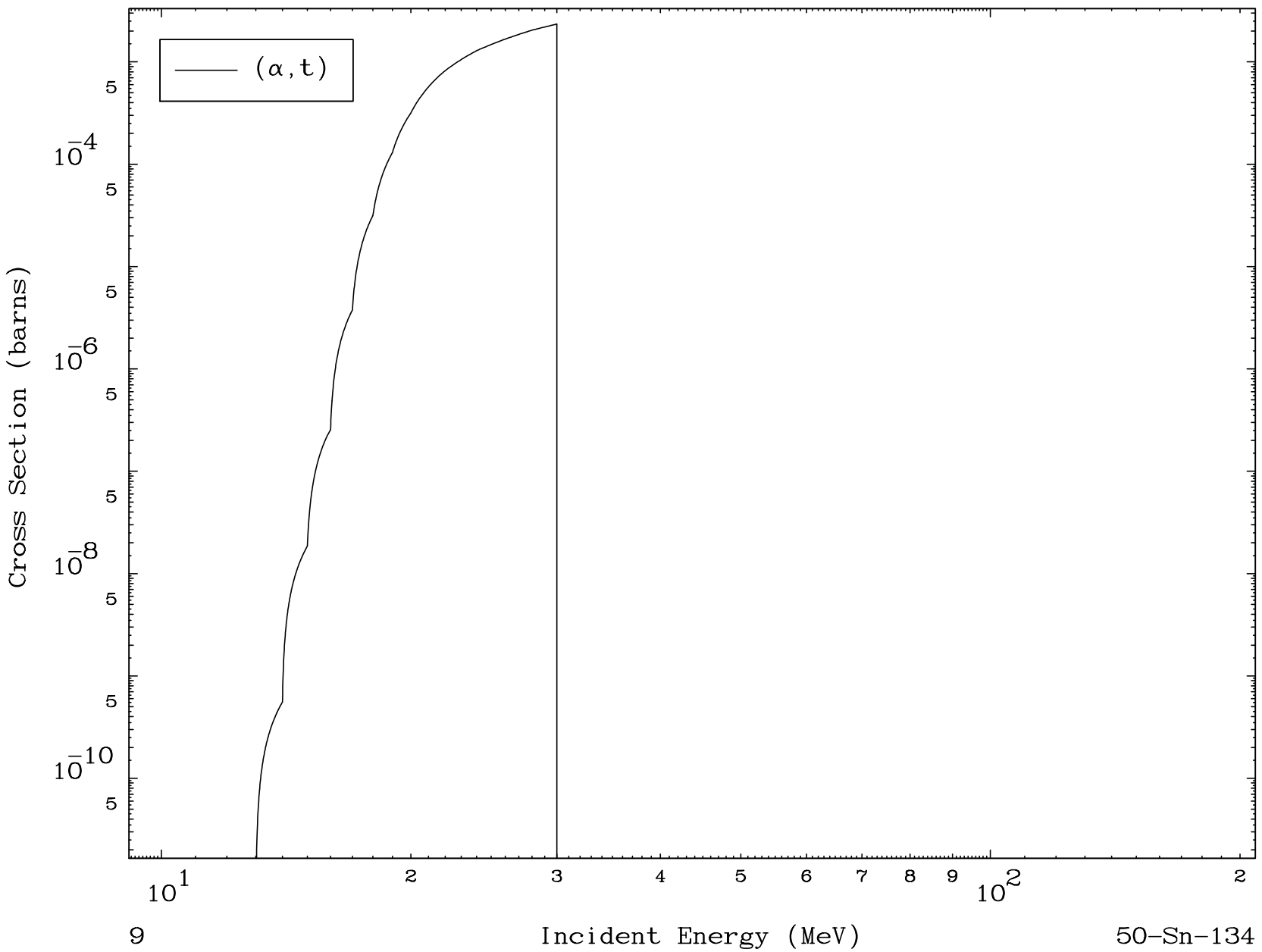

MAT 5091
α Charged Particle
0 Kelvin Cross Sections
50-Sn-134
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
Cross Section (barns)
Incident Energy (MeV)
50-Sn-134
4

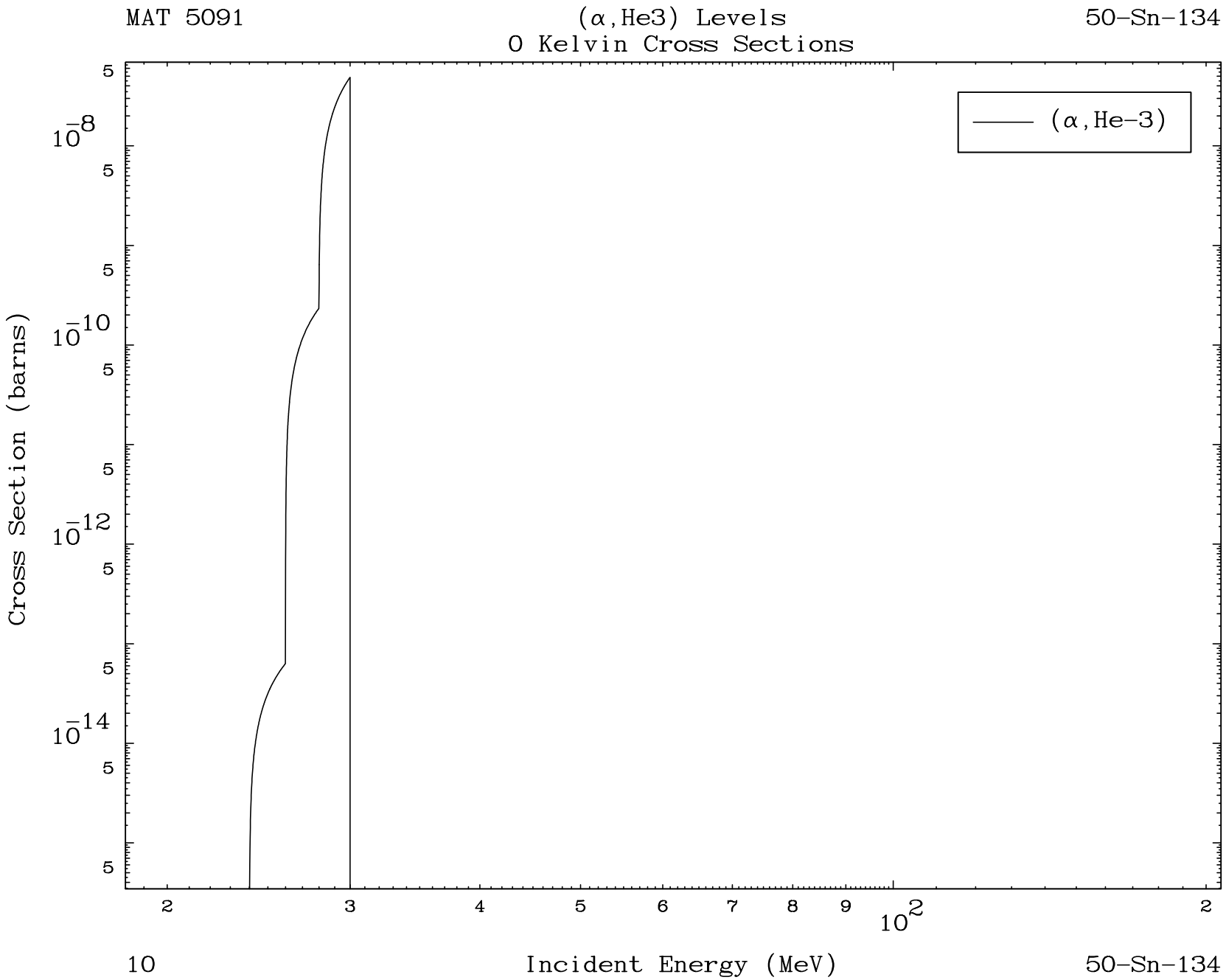

MAT 5091
α Charged Particle
0 Kelvin Cross Sections
50-Sn-134
(α,2n) p
(α,3n) p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-134

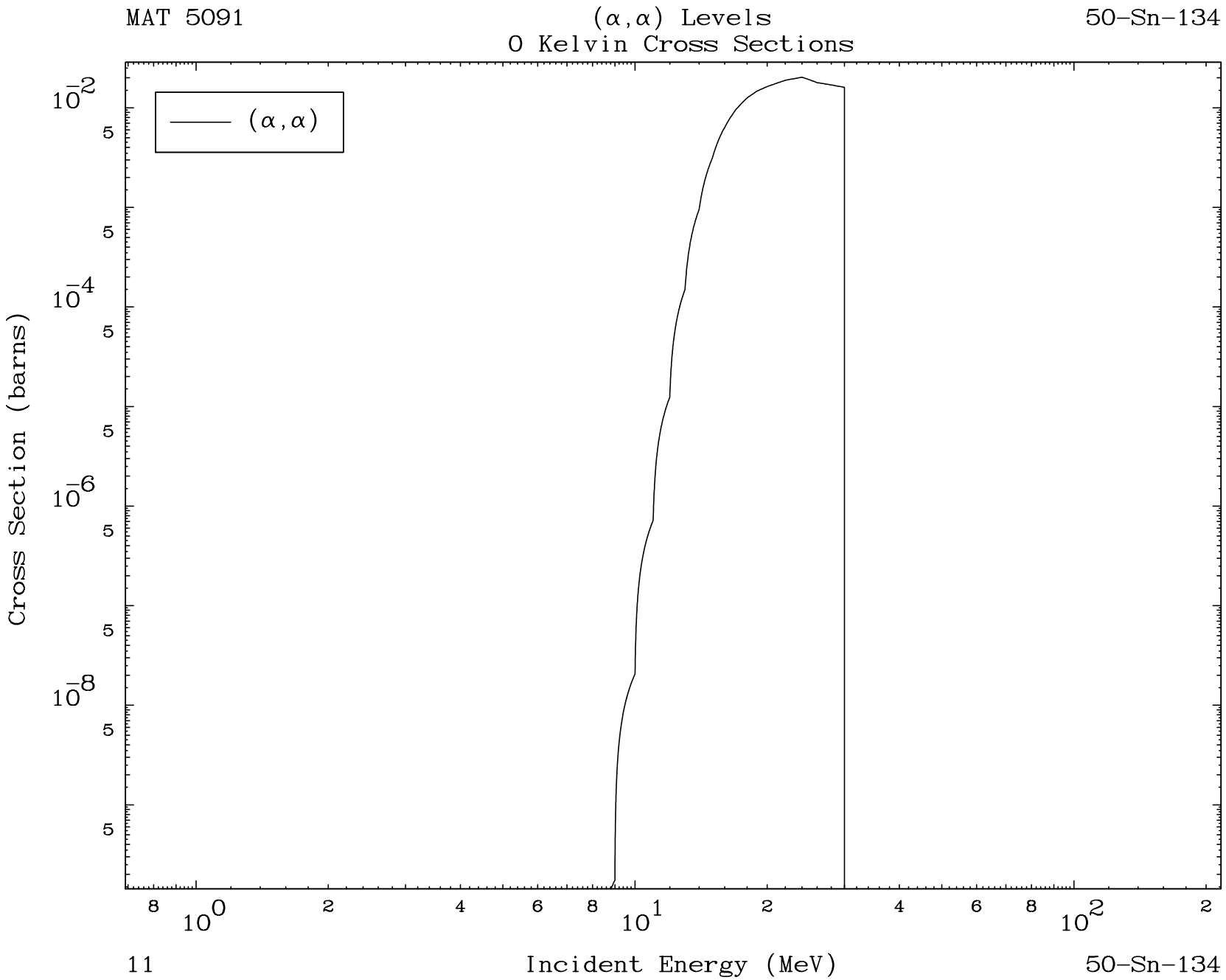

MAT 5091
(α,n') Level
50-Sn-134
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
50-Sn-134

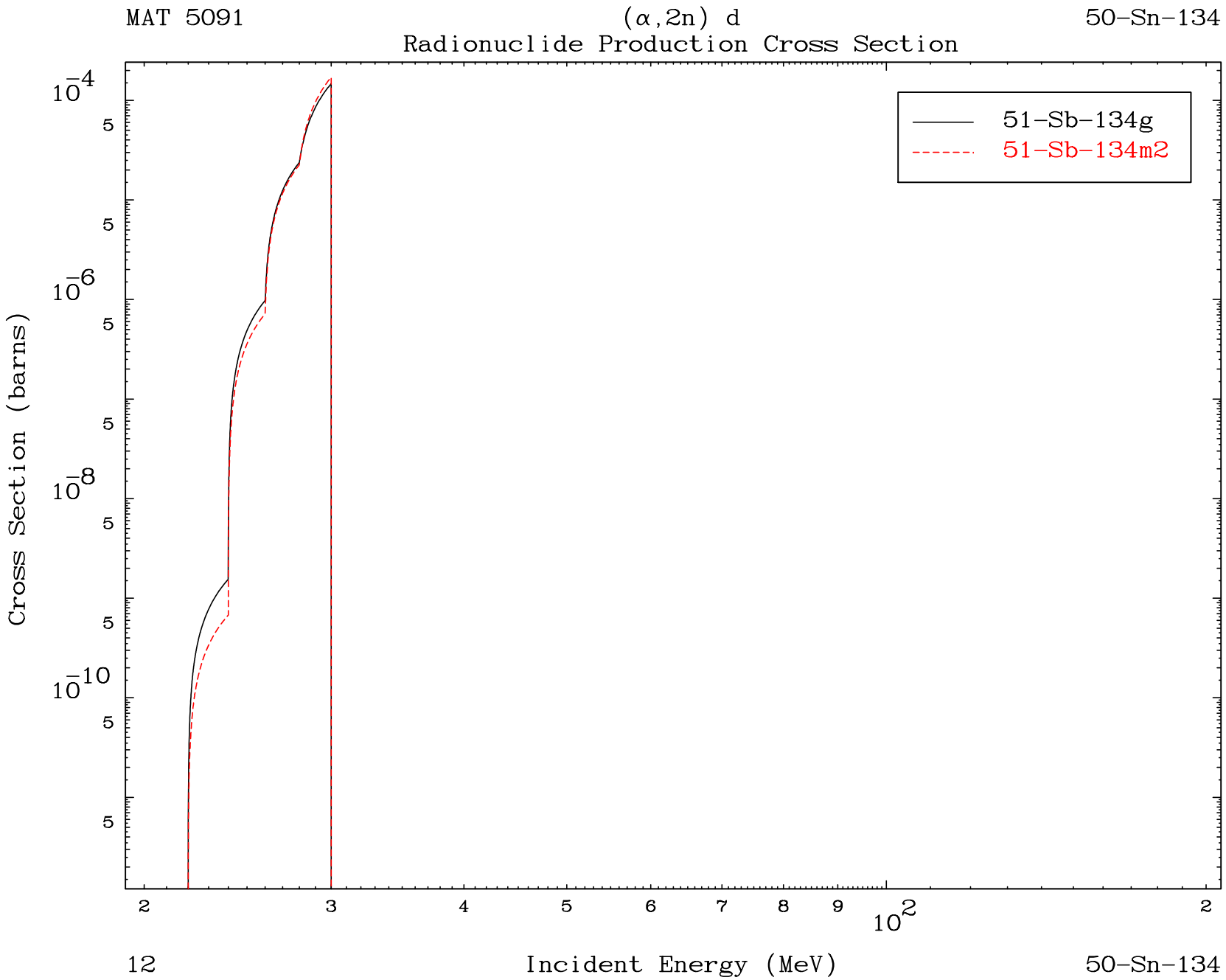

MAT 5091
(α,p) Levels
50-Sn-134
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
7
50-Sn-134

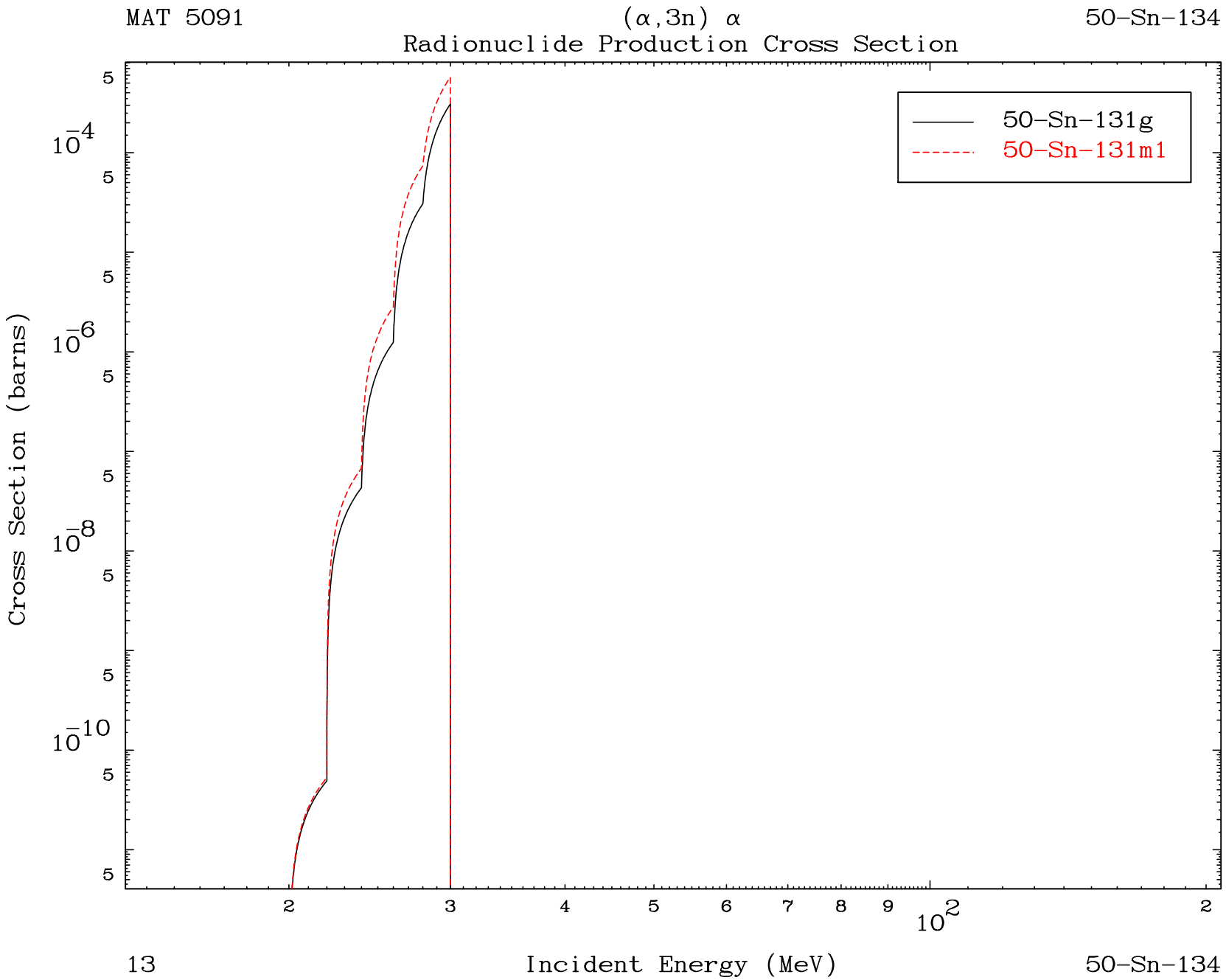

MAT 5091
(α,d) Levels
50-Sn-134
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
Incident Energy (MeV)
8
50-Sn-134

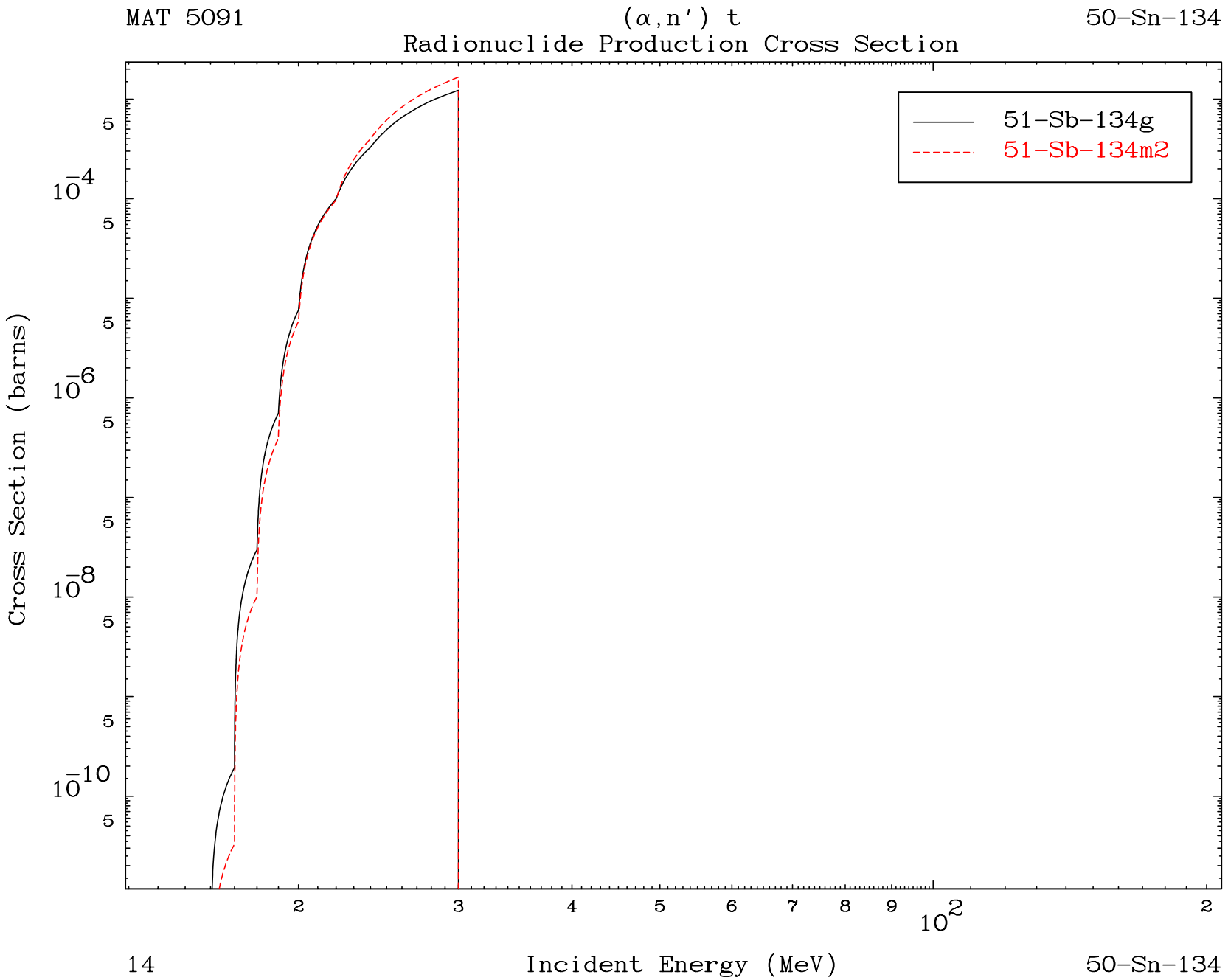

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)

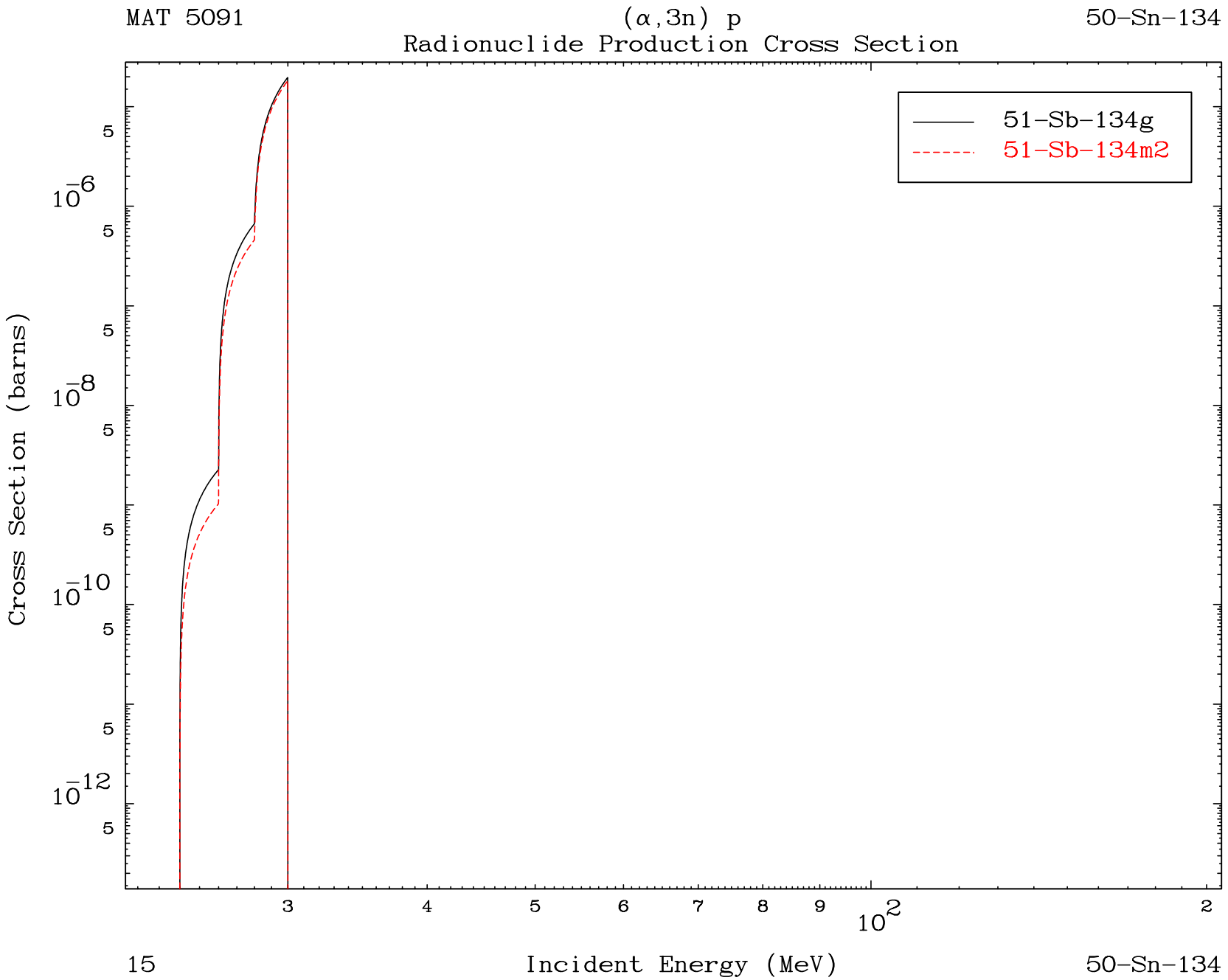

MAT 5091
(α,He3) Levels
50-Sn-134
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
50-Sn-134


MAT 5091
(α,α) Levels
50-Sn-134
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
11
50-Sn-134


MAT 5091
(α,2n) d
50-Sn-134
Radionuclide Production Cross Section
51-Sb-134g
51-Sb-134m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
6
7
8
9
10^2
12
Incident Energy (MeV)
50-Sn-134


MAT 5091
(α,3n) α
50-Sn-134
Radionuclide Production Cross Section
50-Sn-131g
50-Sn-131m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
102
2
13
Incident Energy (MeV)
50-Sn-134


MAT 5091
(α,n') t
50-Sn-134
Radionuclide Production Cross Section
51-Sb-134g
51-Sb-134m2
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-134


MAT 5091
(α,3n) p
50-Sn-134
Radionuclide Production Cross Section
51-Sb-134g
51-Sb-134m2
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-134