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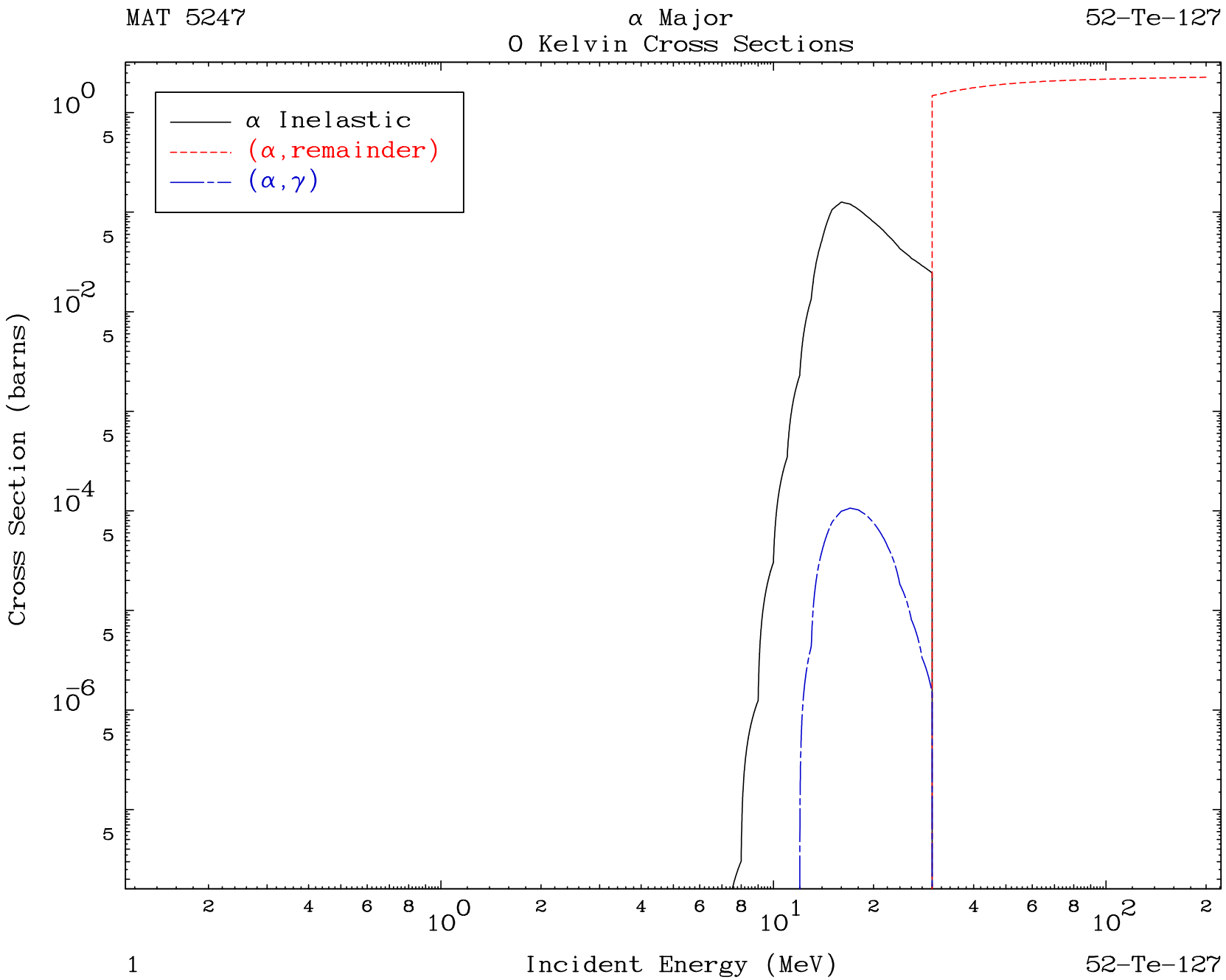
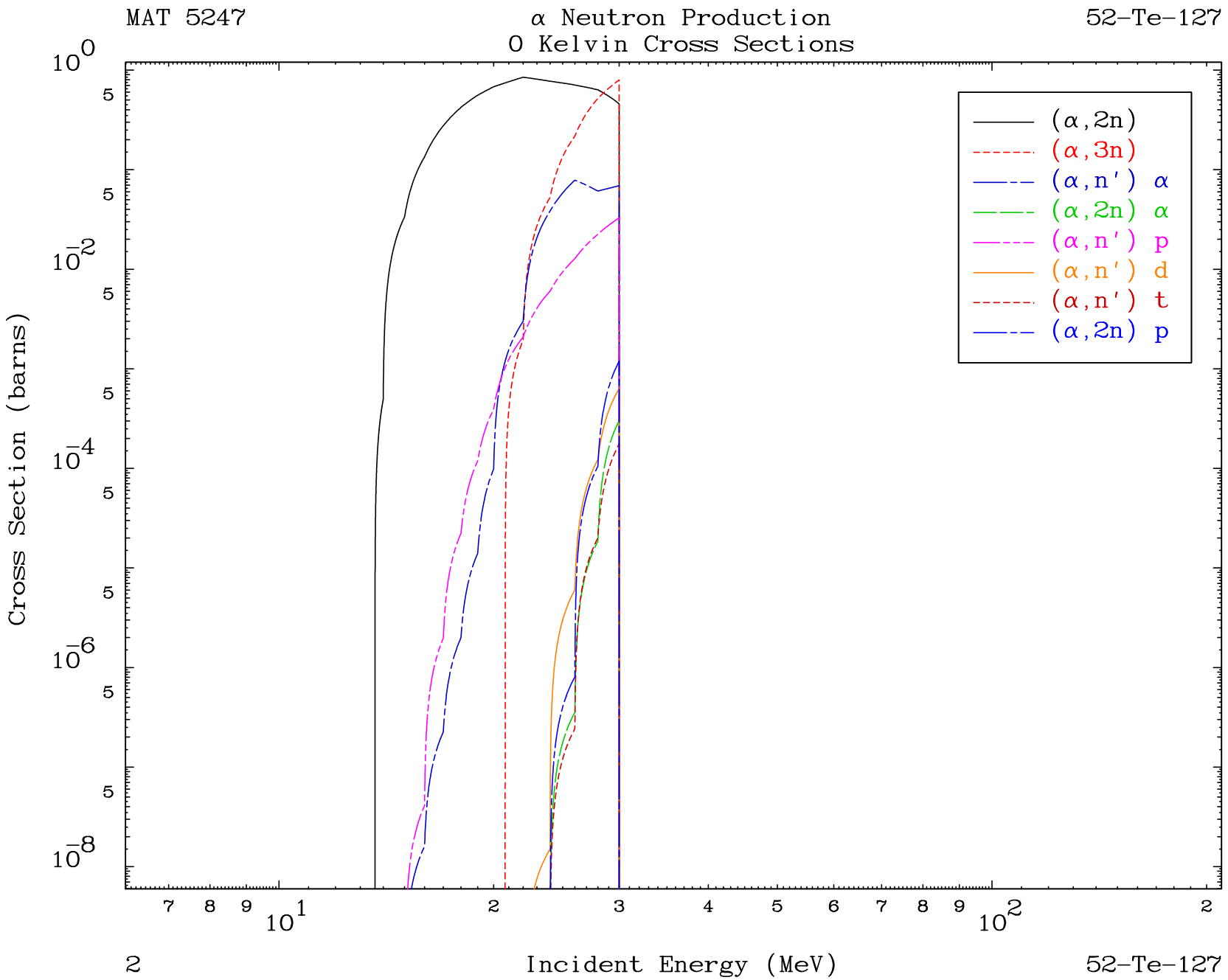
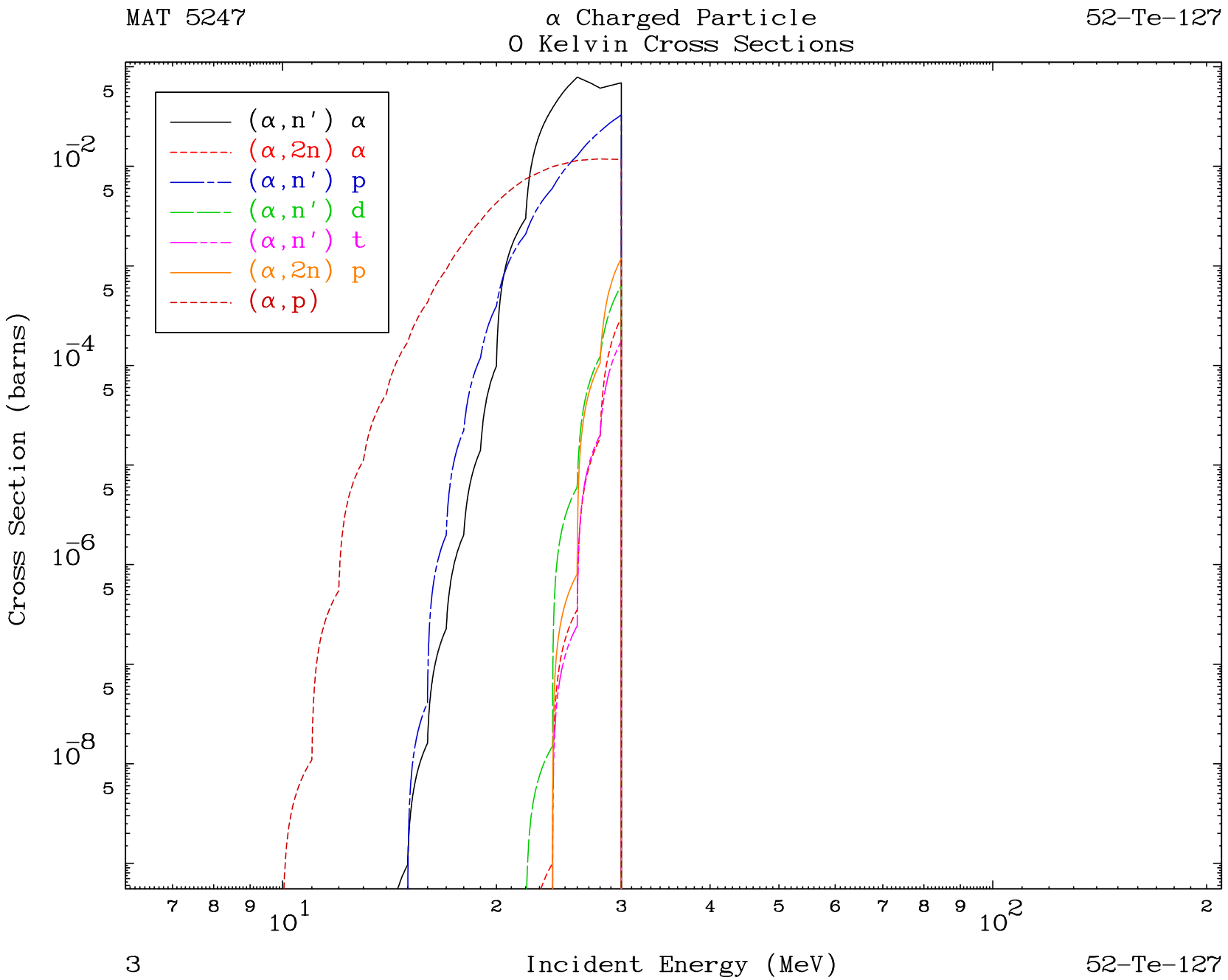
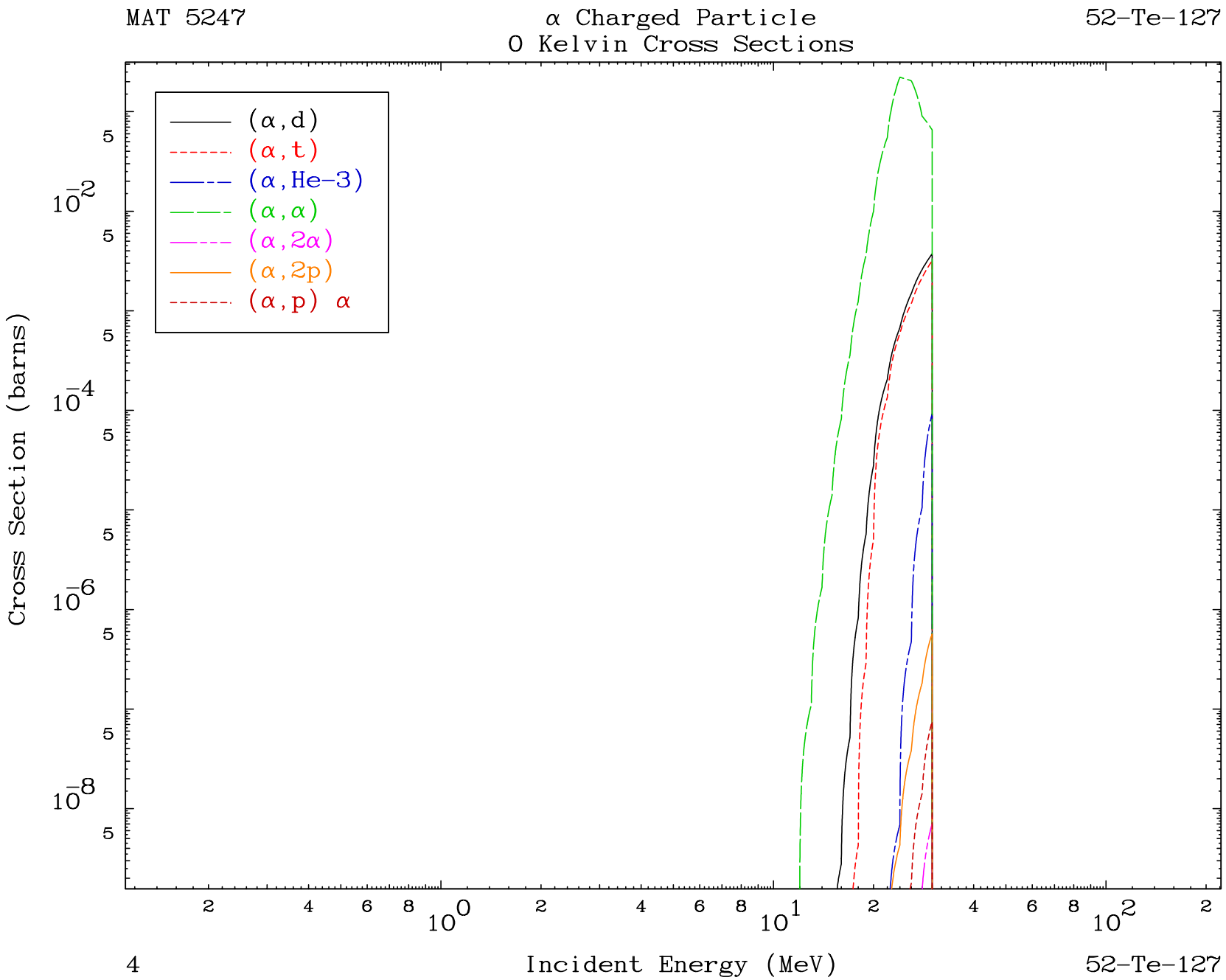
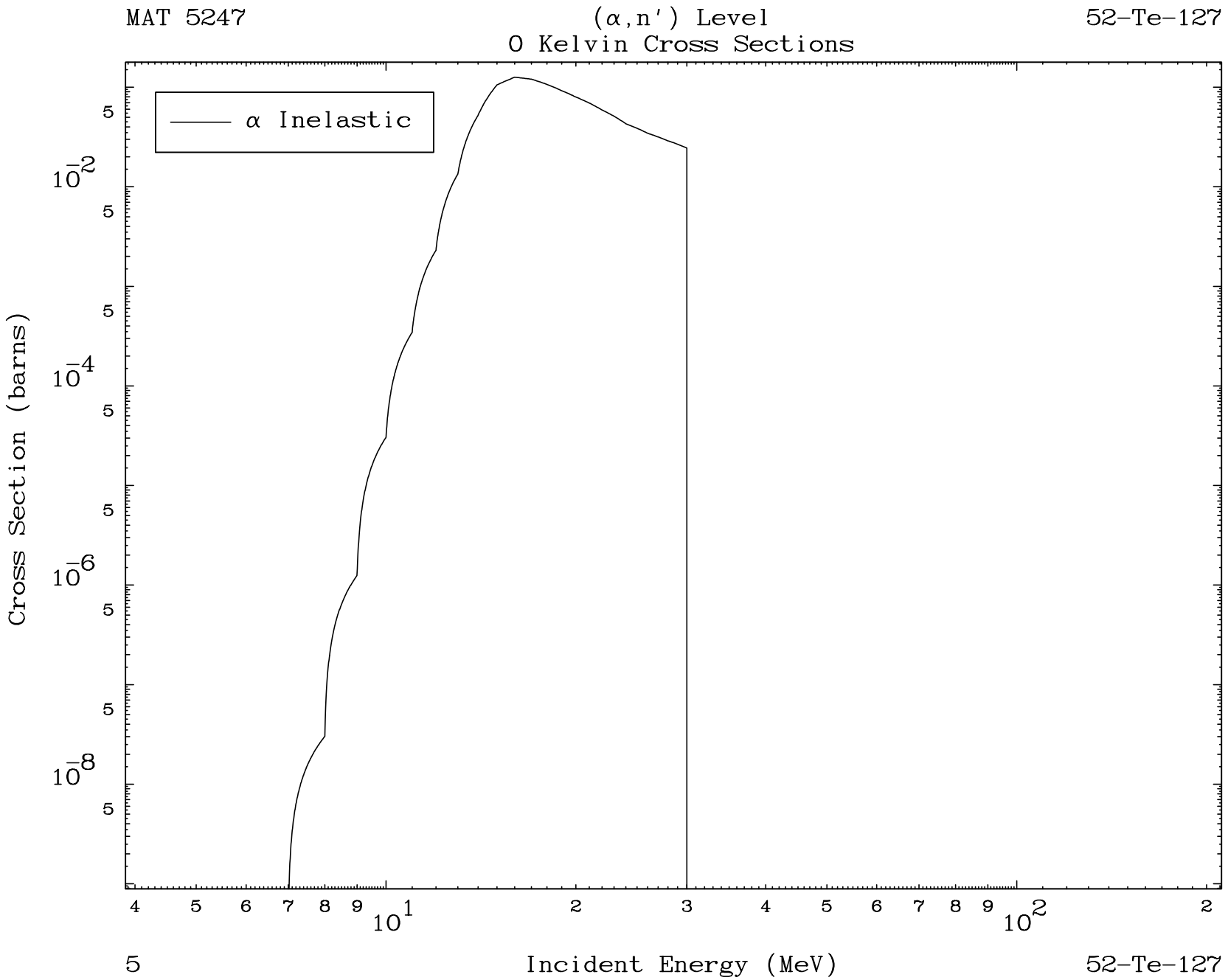
Press Mouse Button to Start

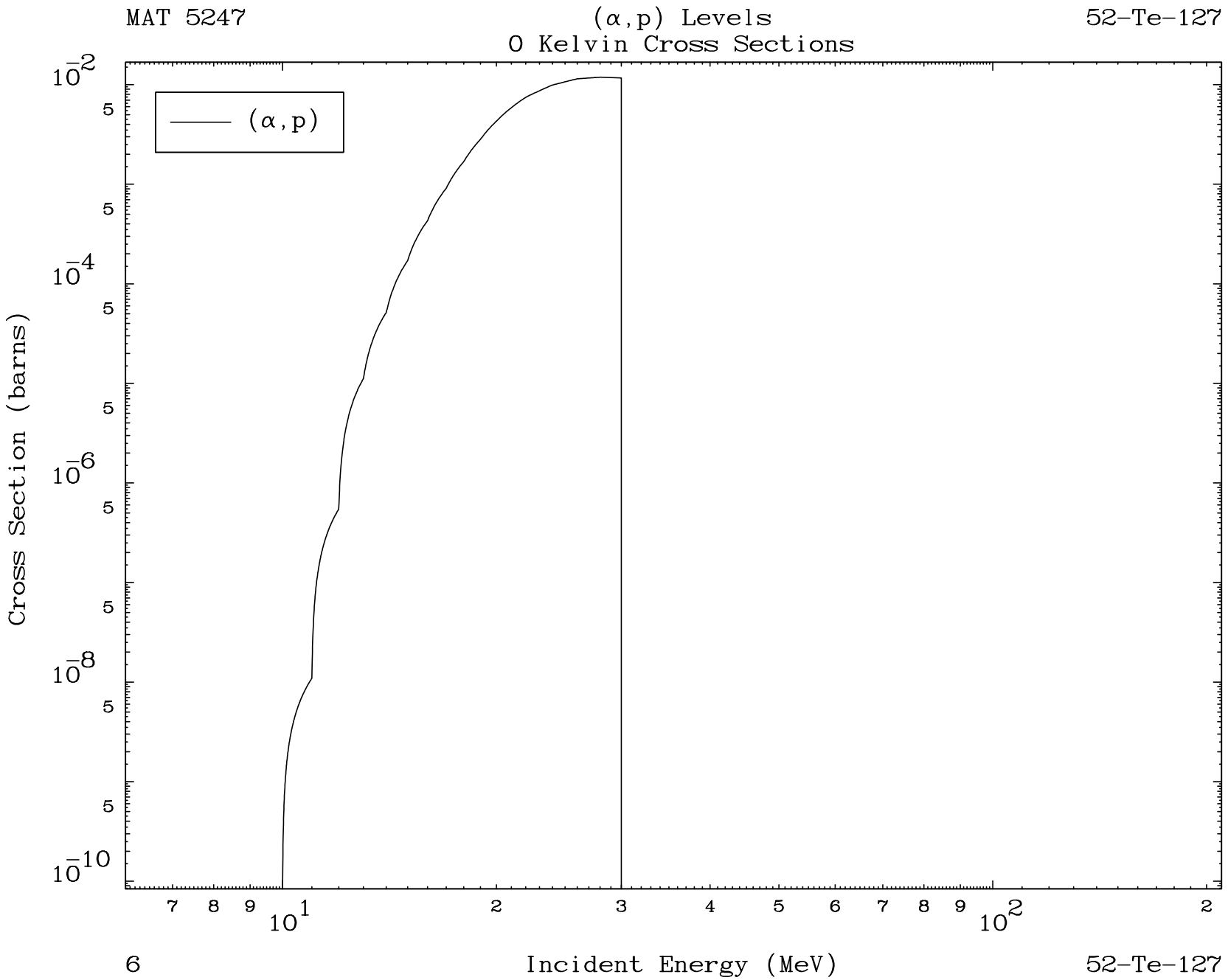

MAT 5247
α Major
52-Te-127
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
52-Te-127

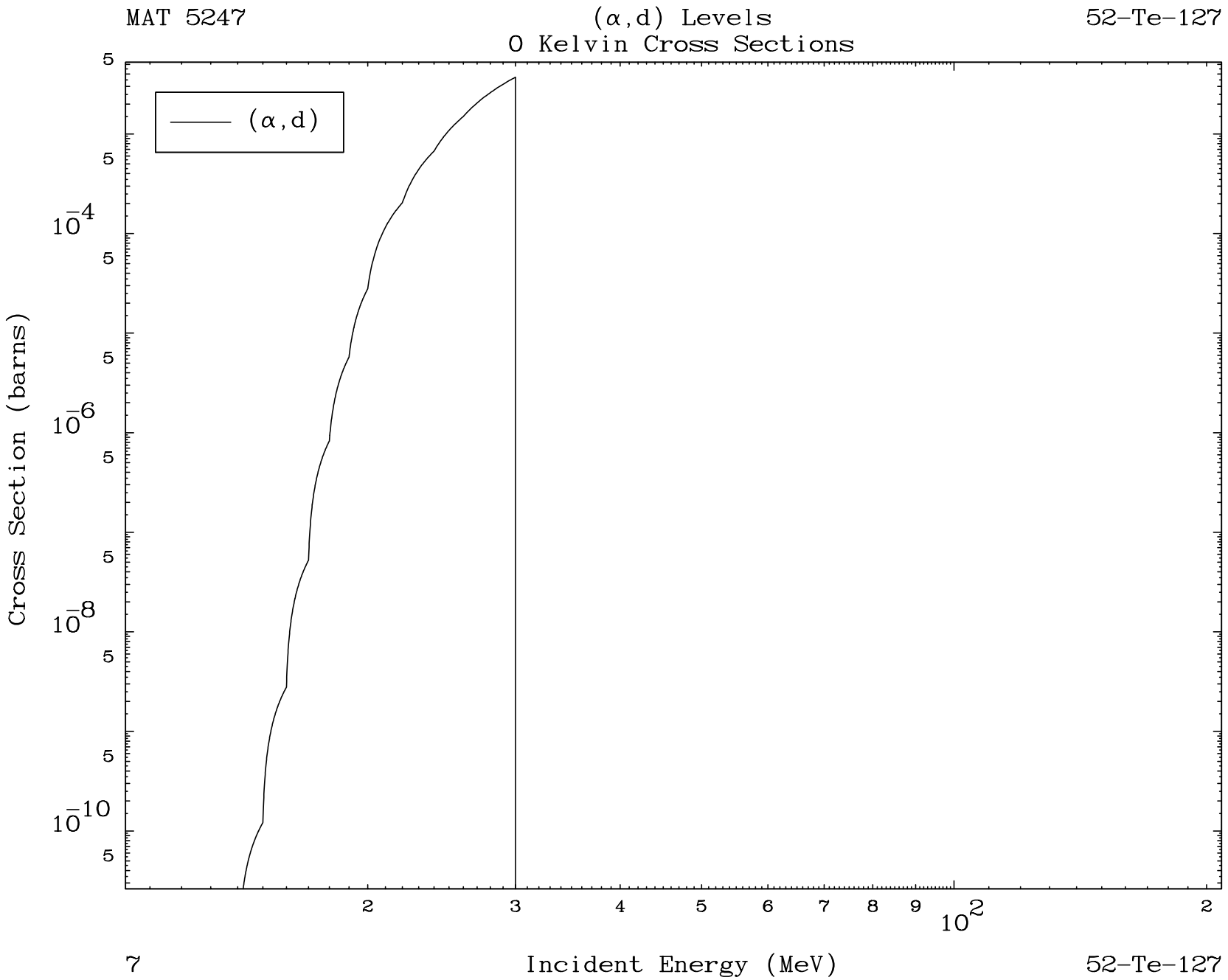

MAT 5247
α Neutron Production
0 Kelvin Cross Sections
52-Te-127
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
52-Te-127
2

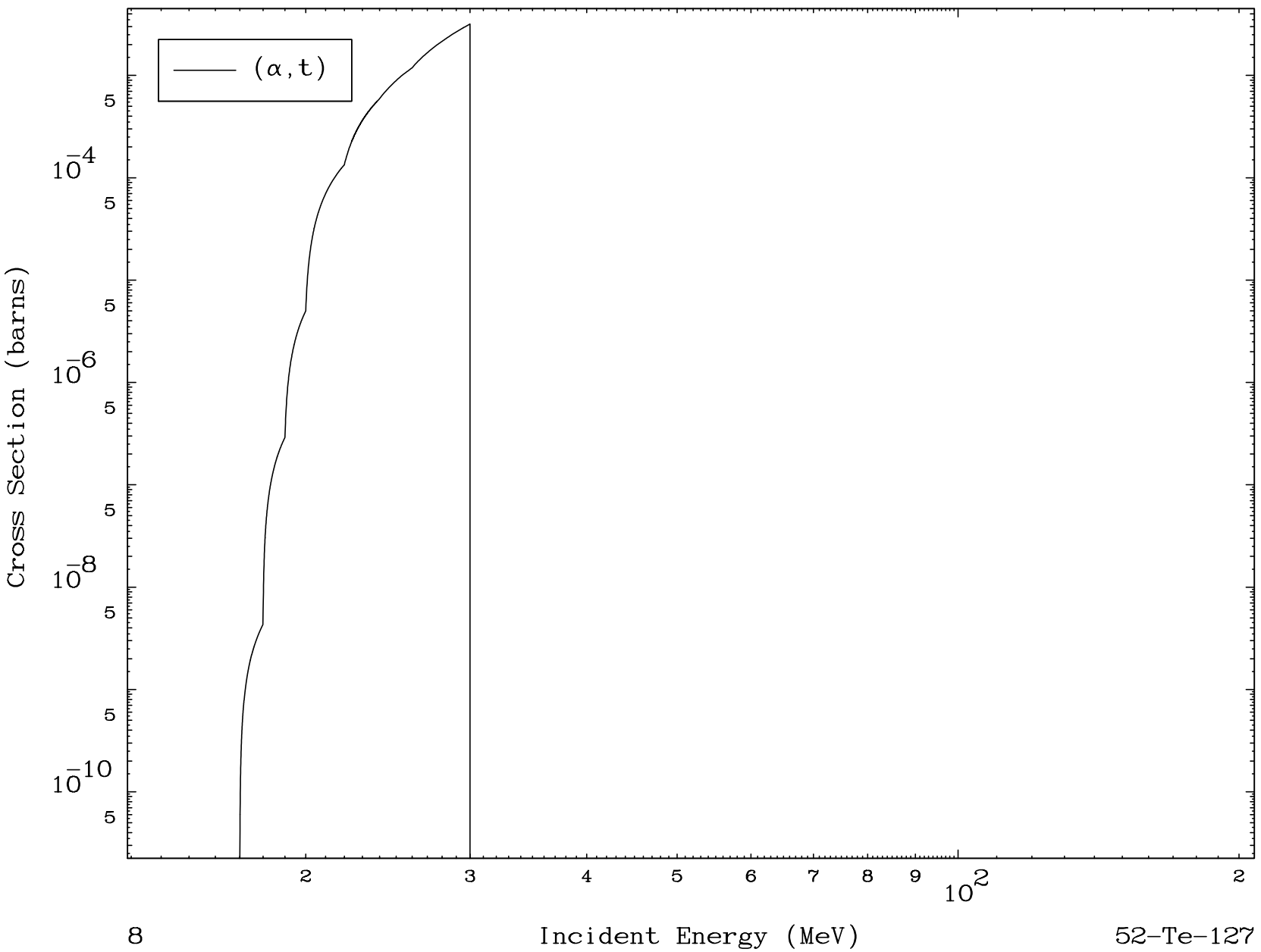

MAT 5247
α Charged Particle
0 Kelvin Cross Sections
52-Te-127
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
Cross Section (barns)
Incident Energy (MeV)
3
52-Te-127

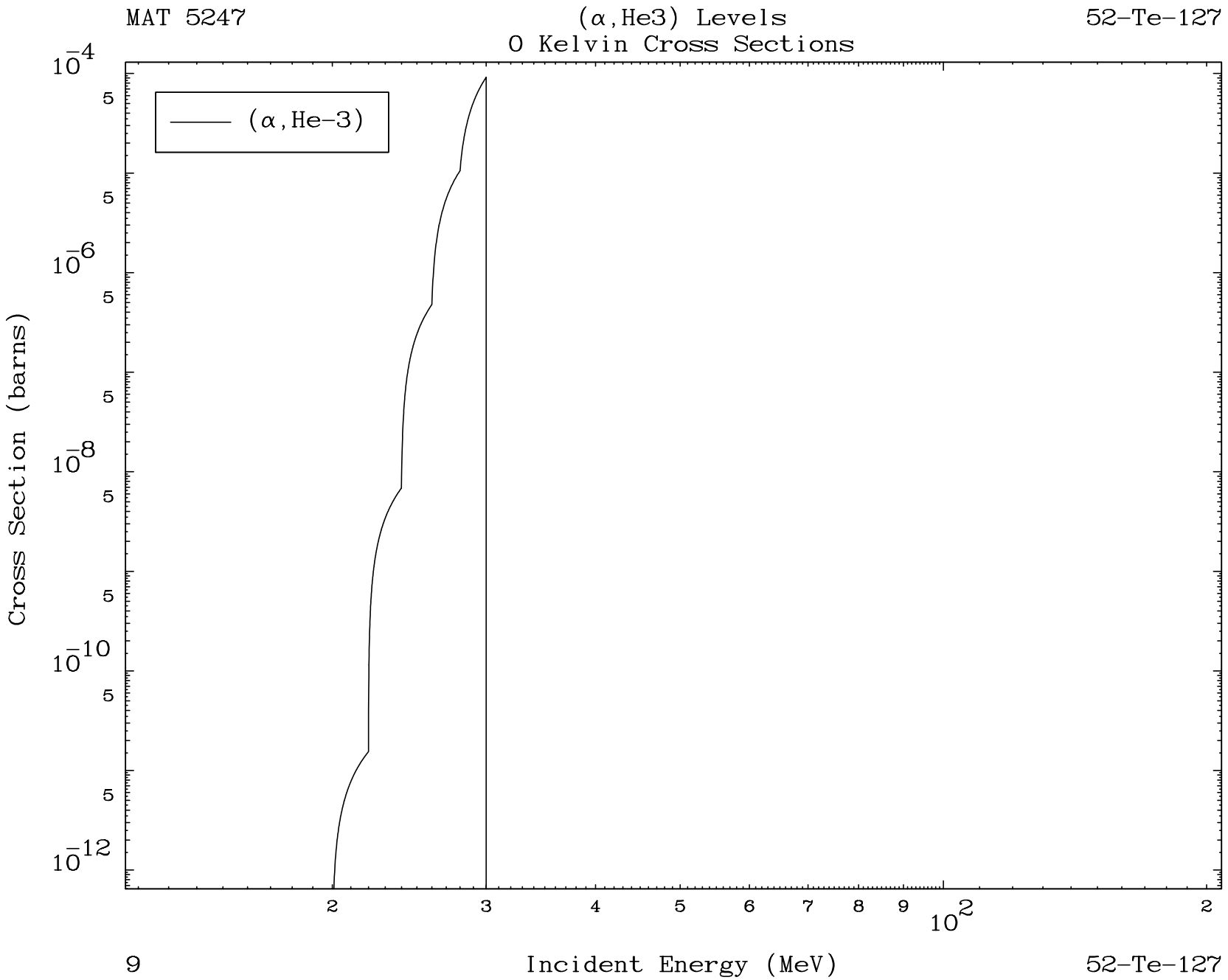

MAT 5247
α Charged Particle
0 Kelvin Cross Sections
52-Te-127
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
Cross Section (barns)
Incident Energy (MeV)
4
52-Te-127

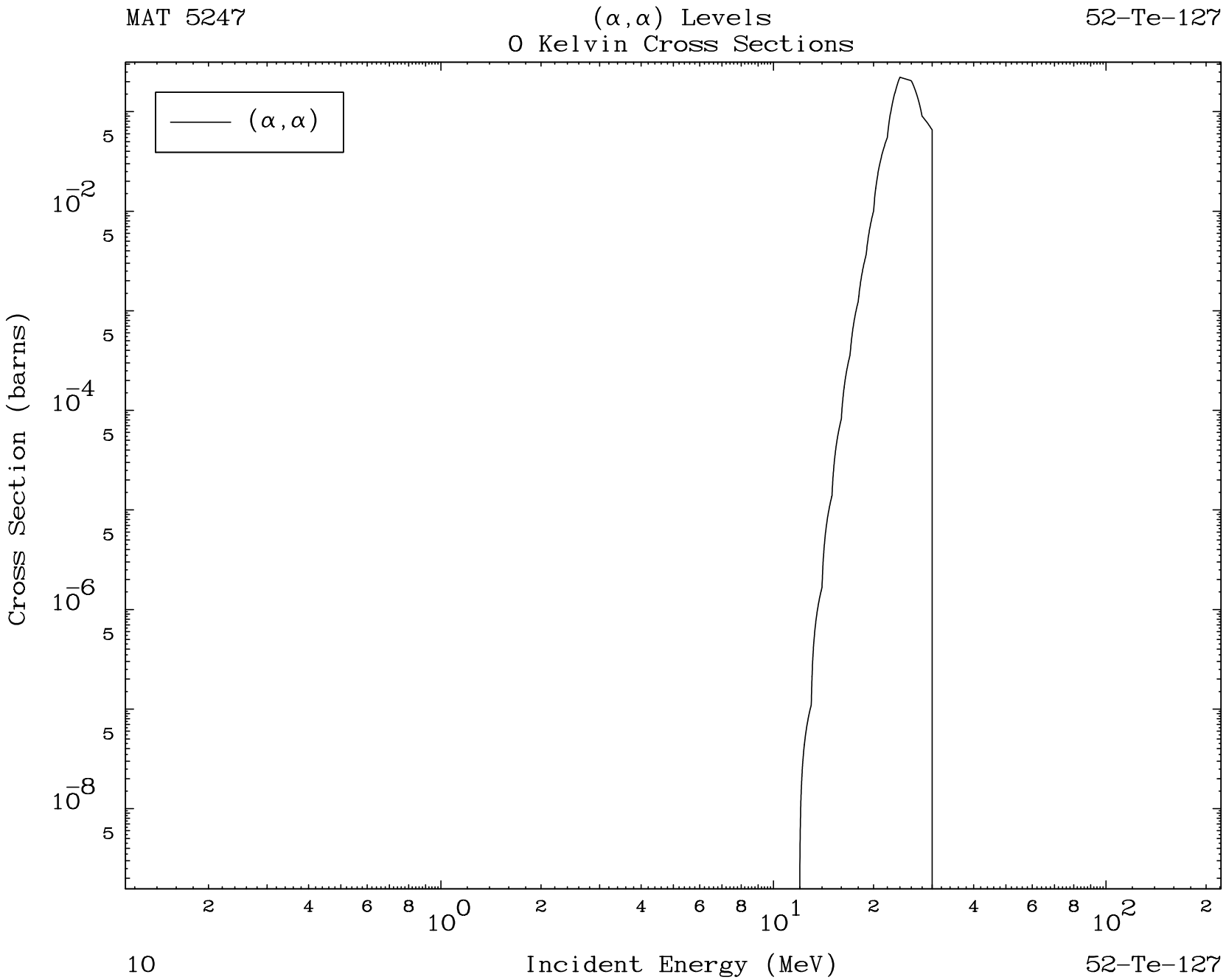

MAT 5247
(α,n') Level
52-Te-127
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
5
52-Te-127

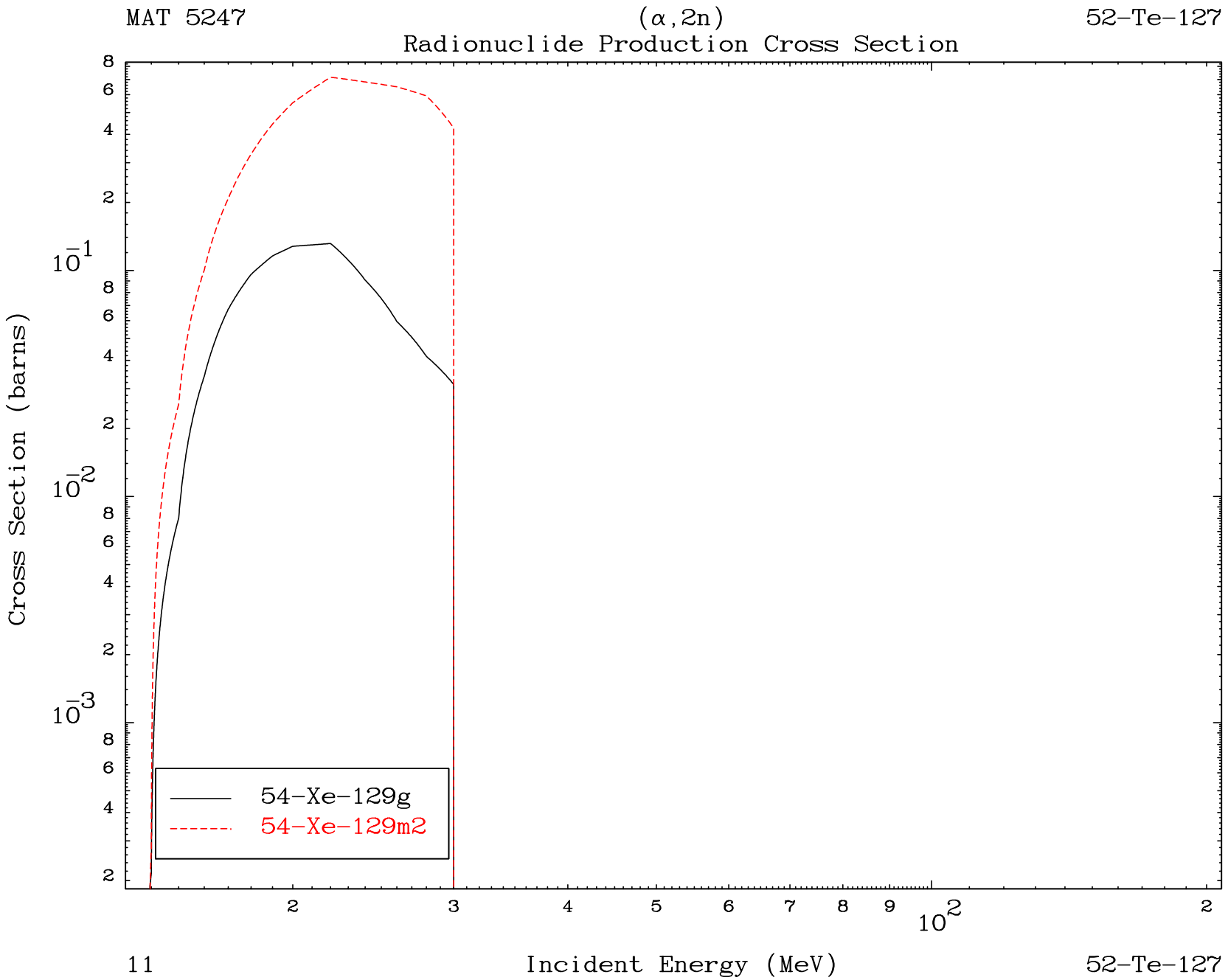

MAT 5247
(α,p) Levels
52-Te-127
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
52-Te-127

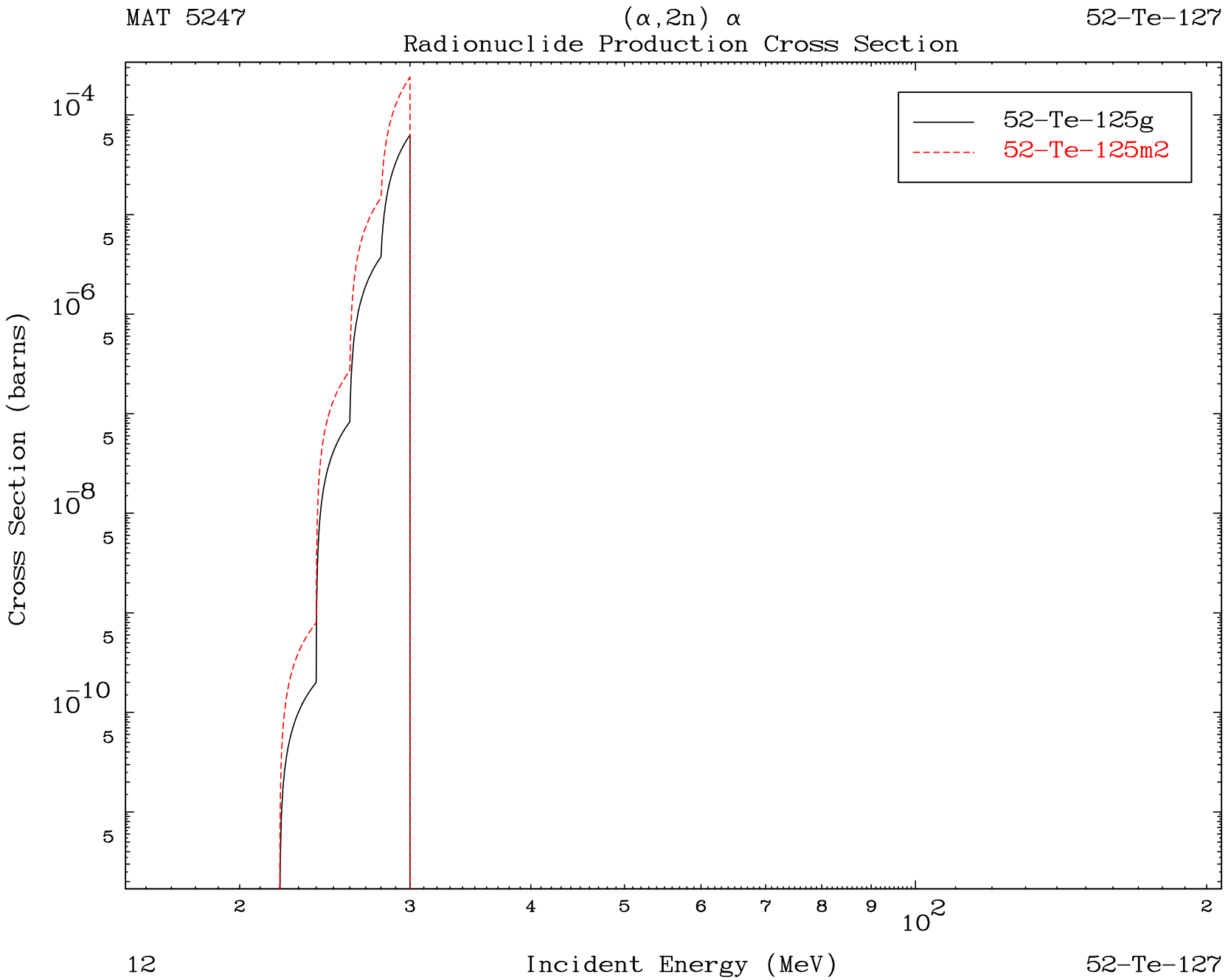

MAT 5247
(α,d) Levels
52-Te-127
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
52-Te-127

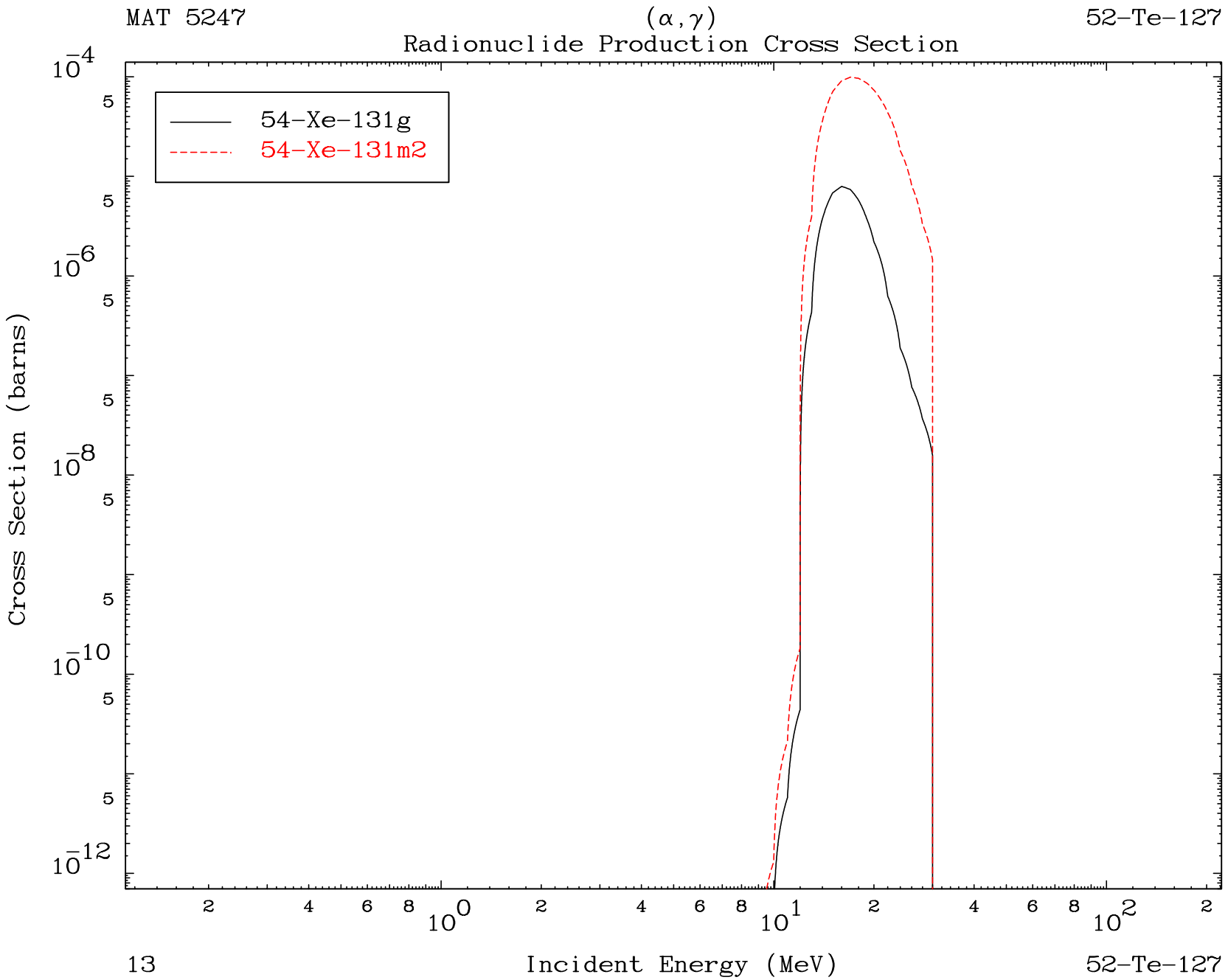

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

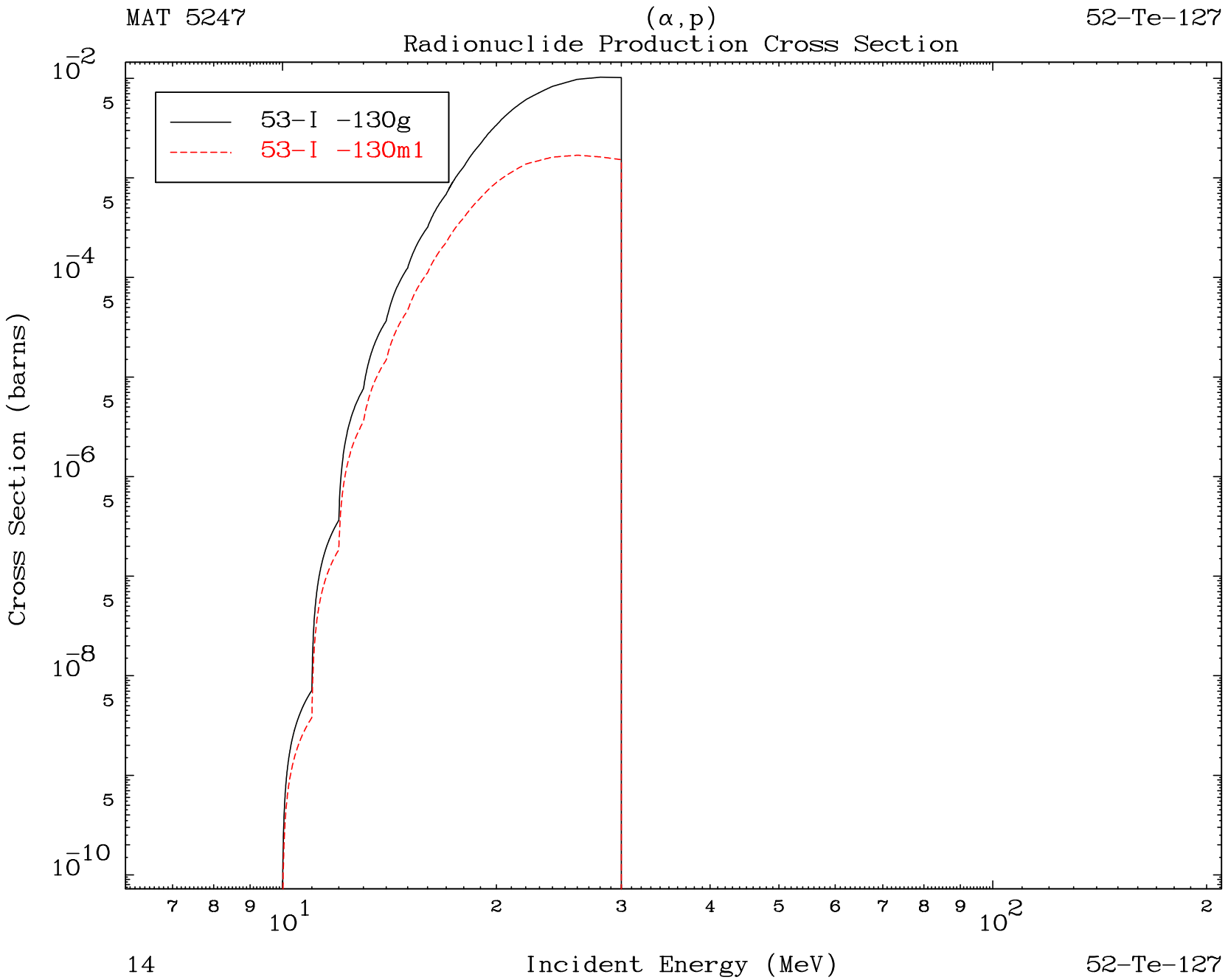

MAT 5247
(α,He3) Levels
52-Te-127
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
10-12
5
2
3
4
5
6
7
8
9
10 2
2
9
Incident Energy (MeV)
52-Te-127

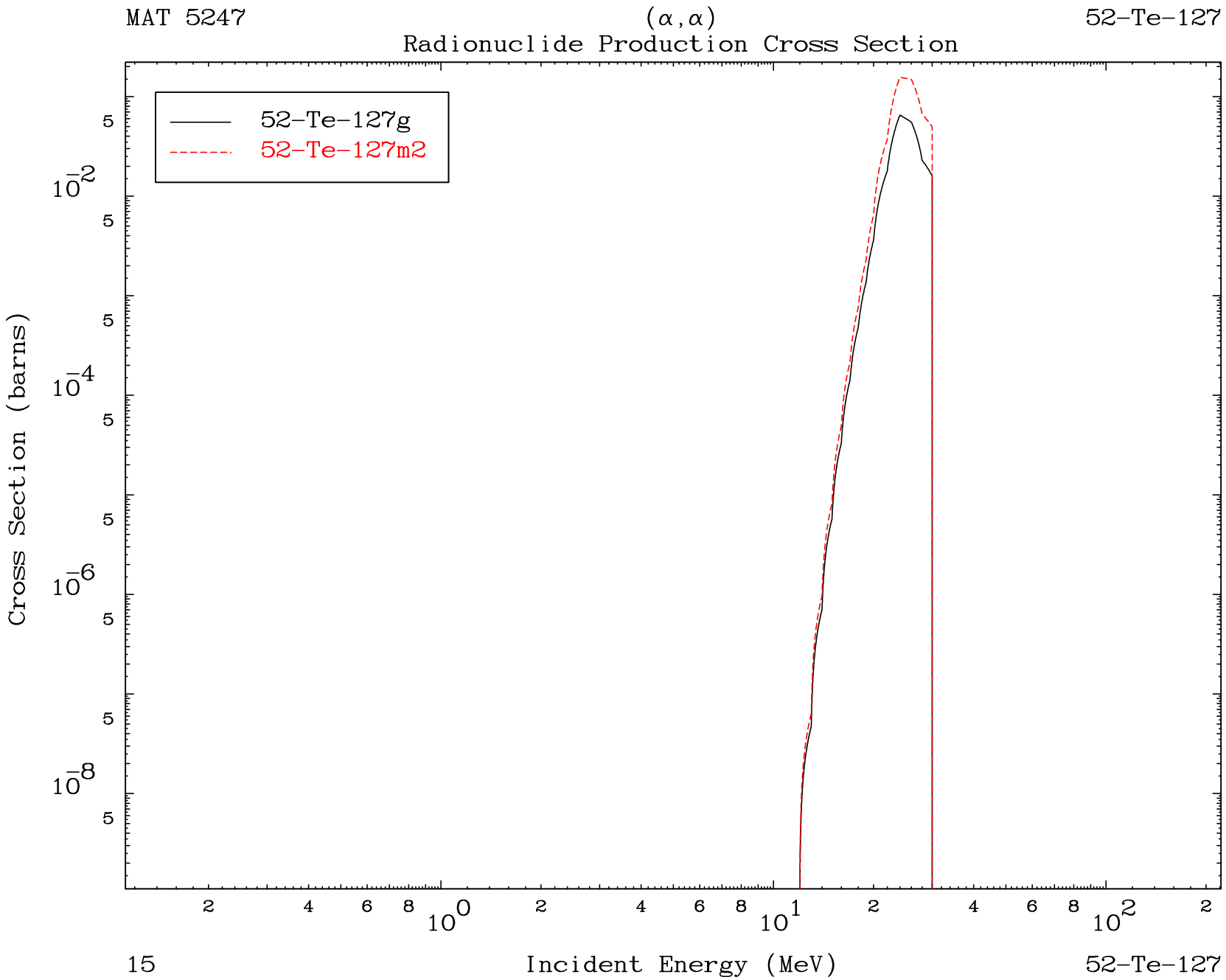

MAT 5247
(α,α) Levels
52-Te-127
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
52-Te-127

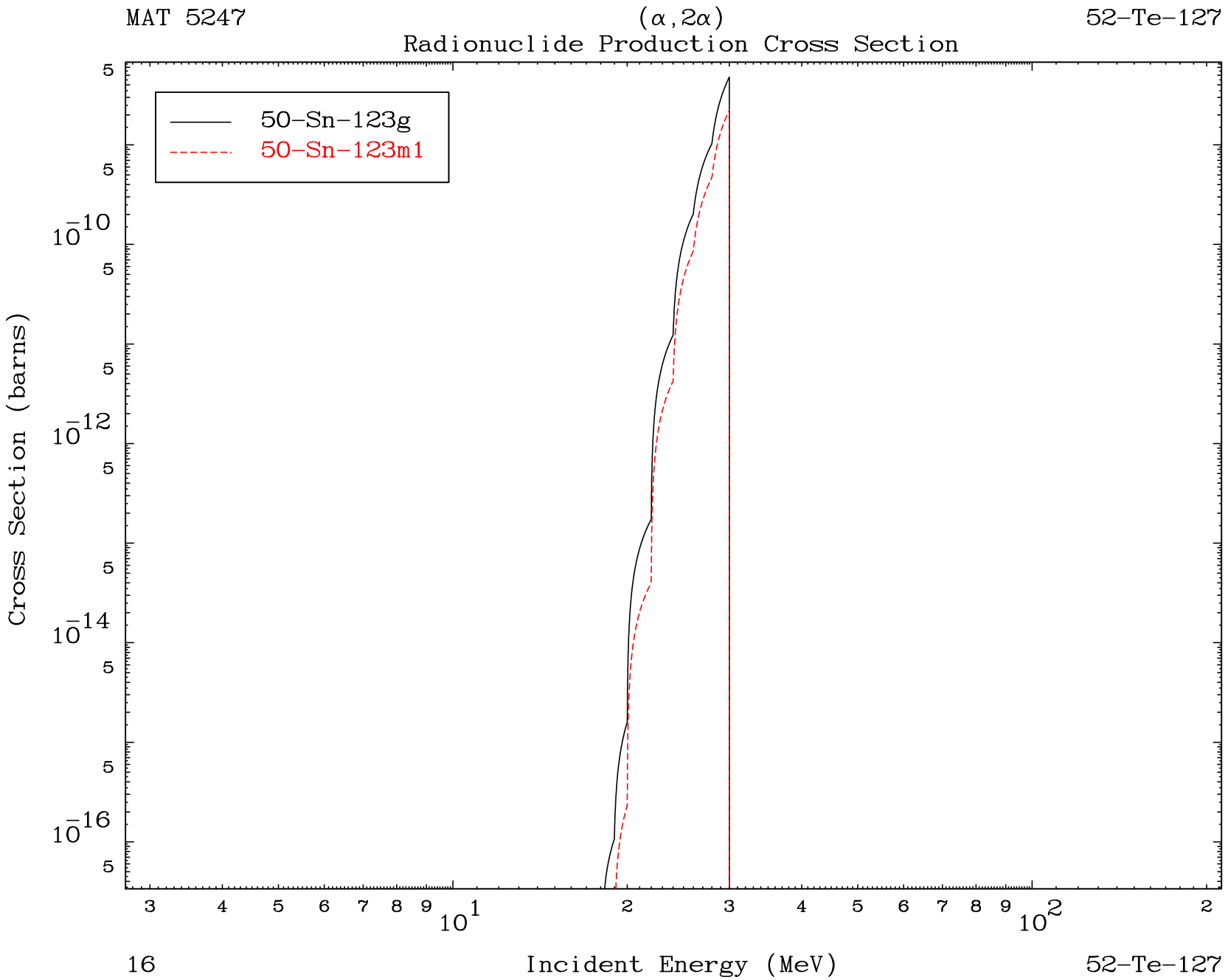

MAT 5247
(α,2n)
52-Te-127
Radionuclide Production Cross Section
Cross Section (barns)
10-1
10-2
10-3
8
6
4
2
2
3
4
5
6
7
8
9
10 2
2
54-Xe-129g
54-Xe-129m2
11
Incident Energy (MeV)
52-Te-127

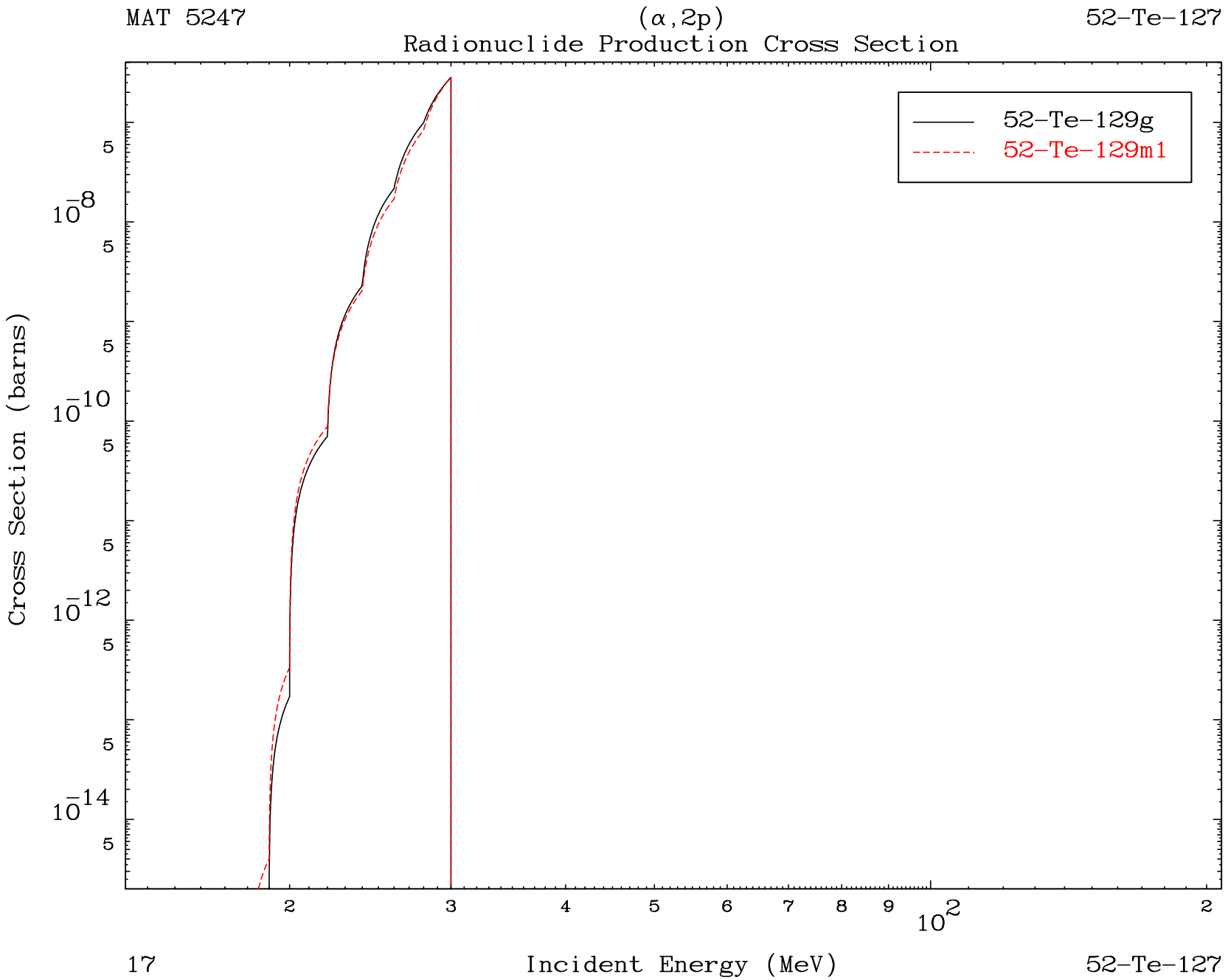

MAT 5247
(α,2n) α
52-Te-127
Radionuclide Production Cross Section
52-Te-125g
52-Te-125m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
102
2
12
Incident Energy (MeV)
52-Te-127

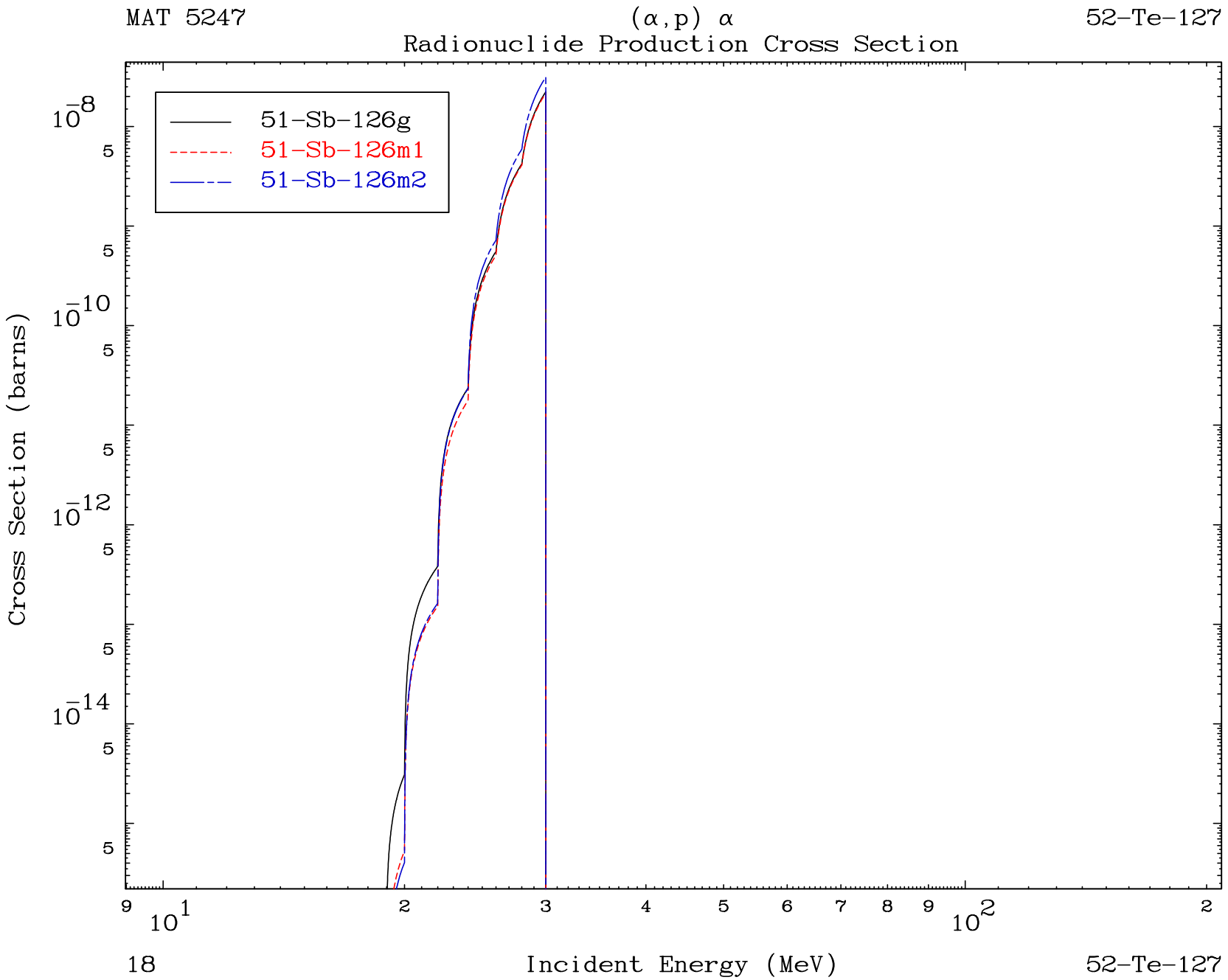

MAT 5247
(α,γ)
52-Te-127
Radionuclide Production Cross Section
54-Xe-131g
54-Xe-131m2
Cross Section (barns)
Incident Energy (MeV)
13
52-Te-127


MAT 5247
(α,p)
52-Te-127
Radionuclide Production Cross Section
53-I -130g
53-I -130m1
Cross Section (barns)
Incident Energy (MeV)
14
52-Te-127


MAT 5247
(α,α)
52-Te-127
Radionuclide Production Cross Section
52-Te-127g
52-Te-127m2
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
15
52-Te-127


MAT 5247
(α,2α)
52-Te-127
Radionuclide Production Cross Section
50-Sn-123g
50-Sn-123m1
Cross Section (barns)
Incident Energy (MeV)
16
52-Te-127


MAT 5247
(α,2p)
52-Te-127
Radionuclide Production Cross Section
52-Te-129g
52-Te-129m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
52-Te-127


MAT 5247
(α,p) α
52-Te-127
Radionuclide Production Cross Section
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
Cross Section (barns)
Incident Energy (MeV)
18
52-Te-127