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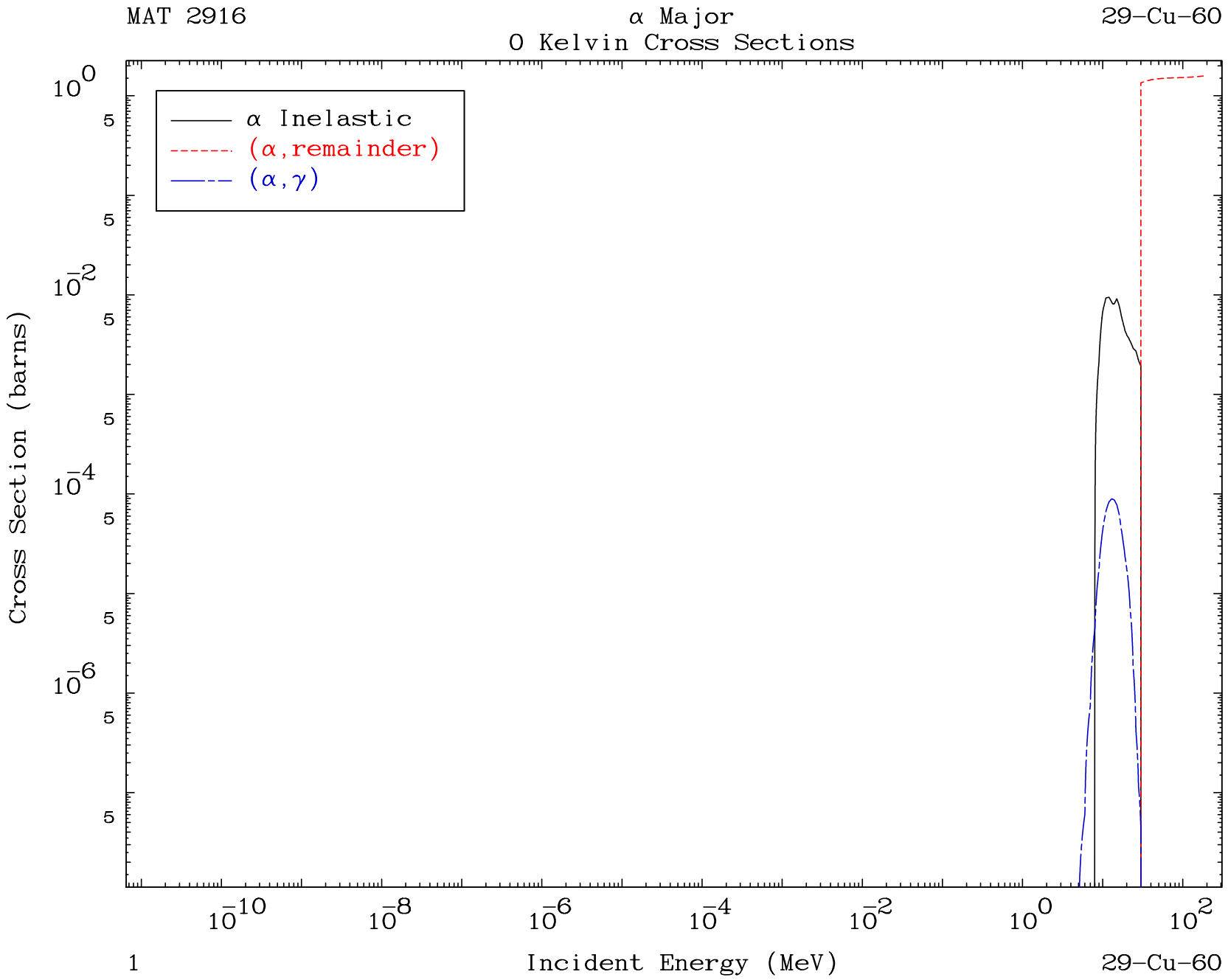
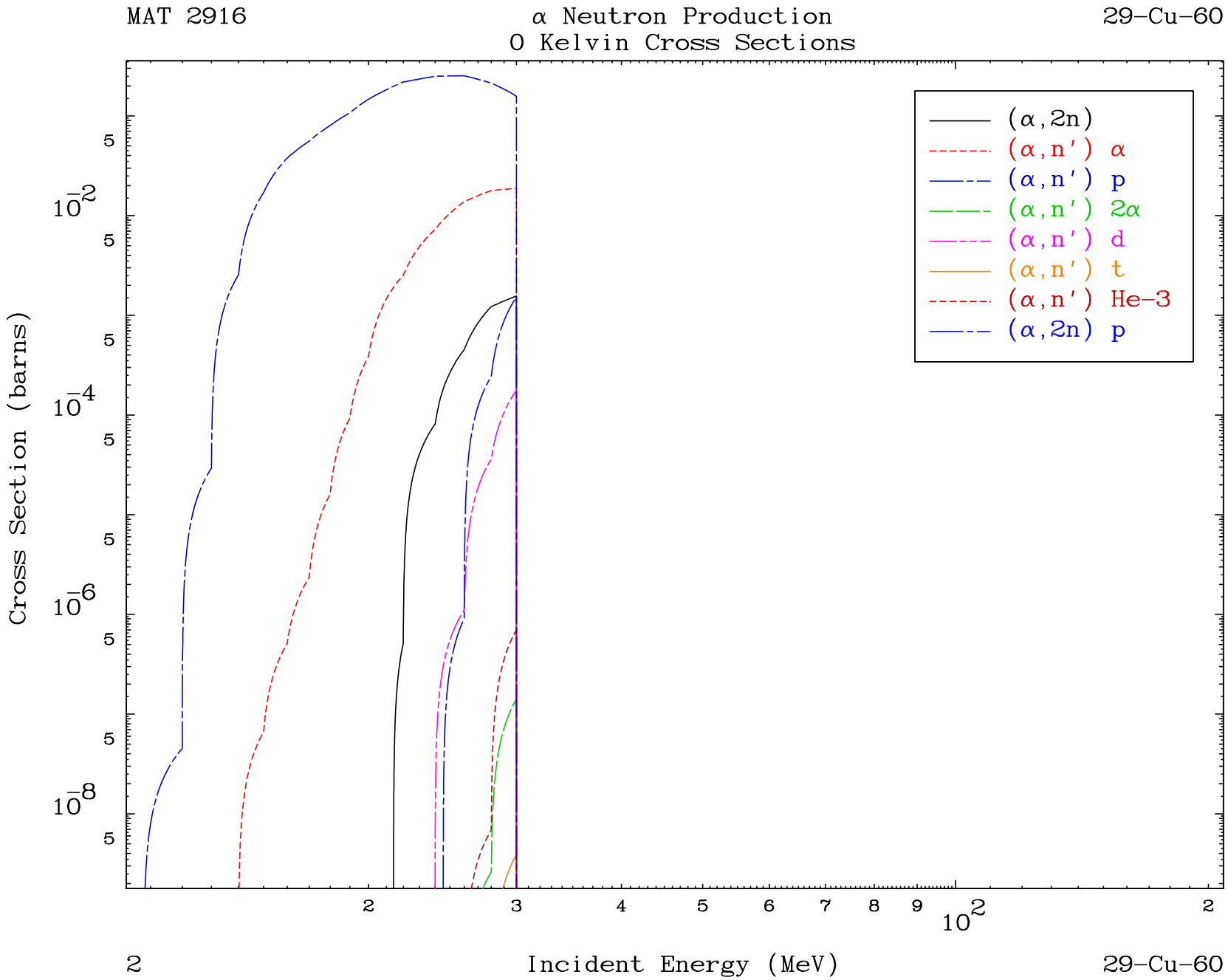
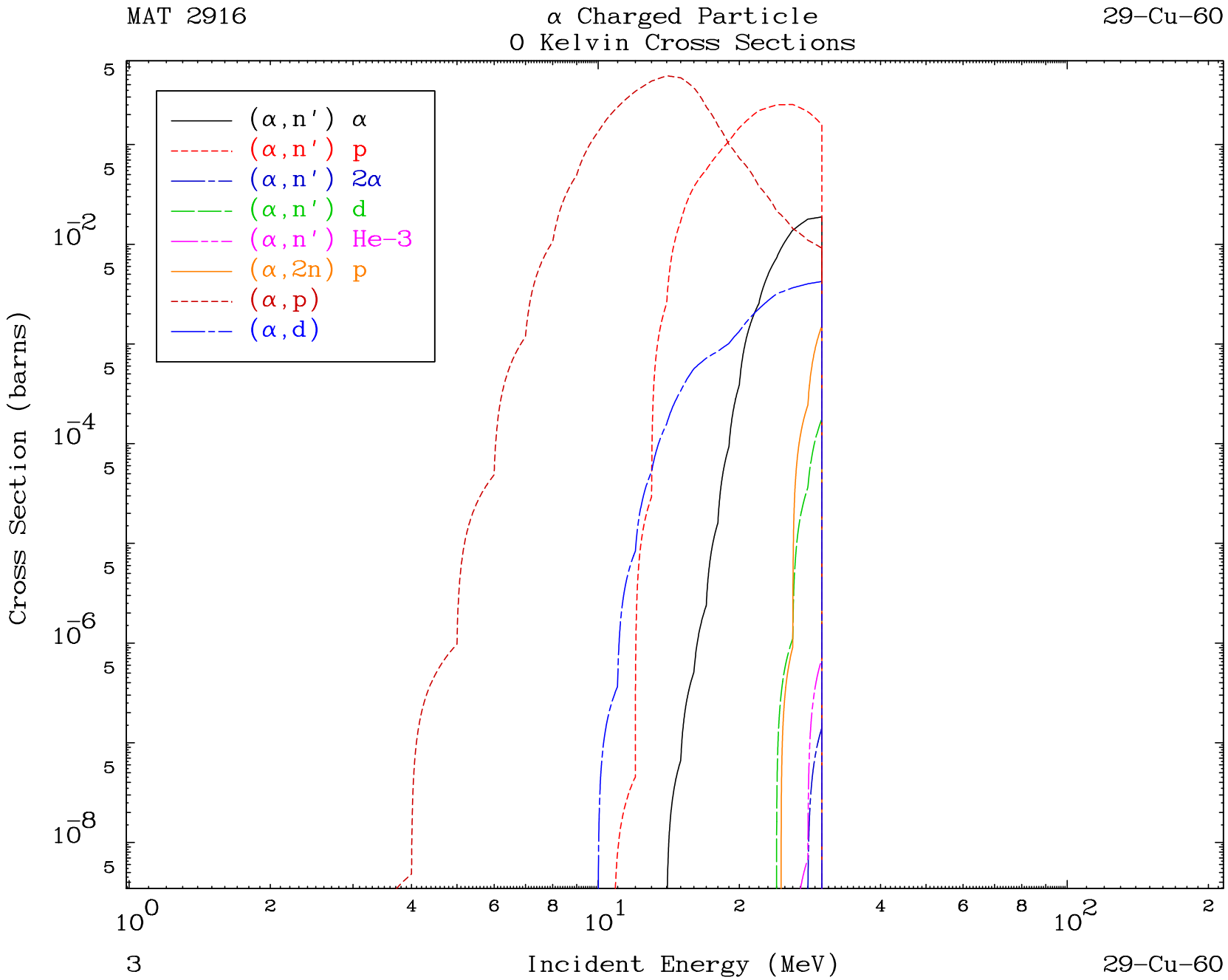
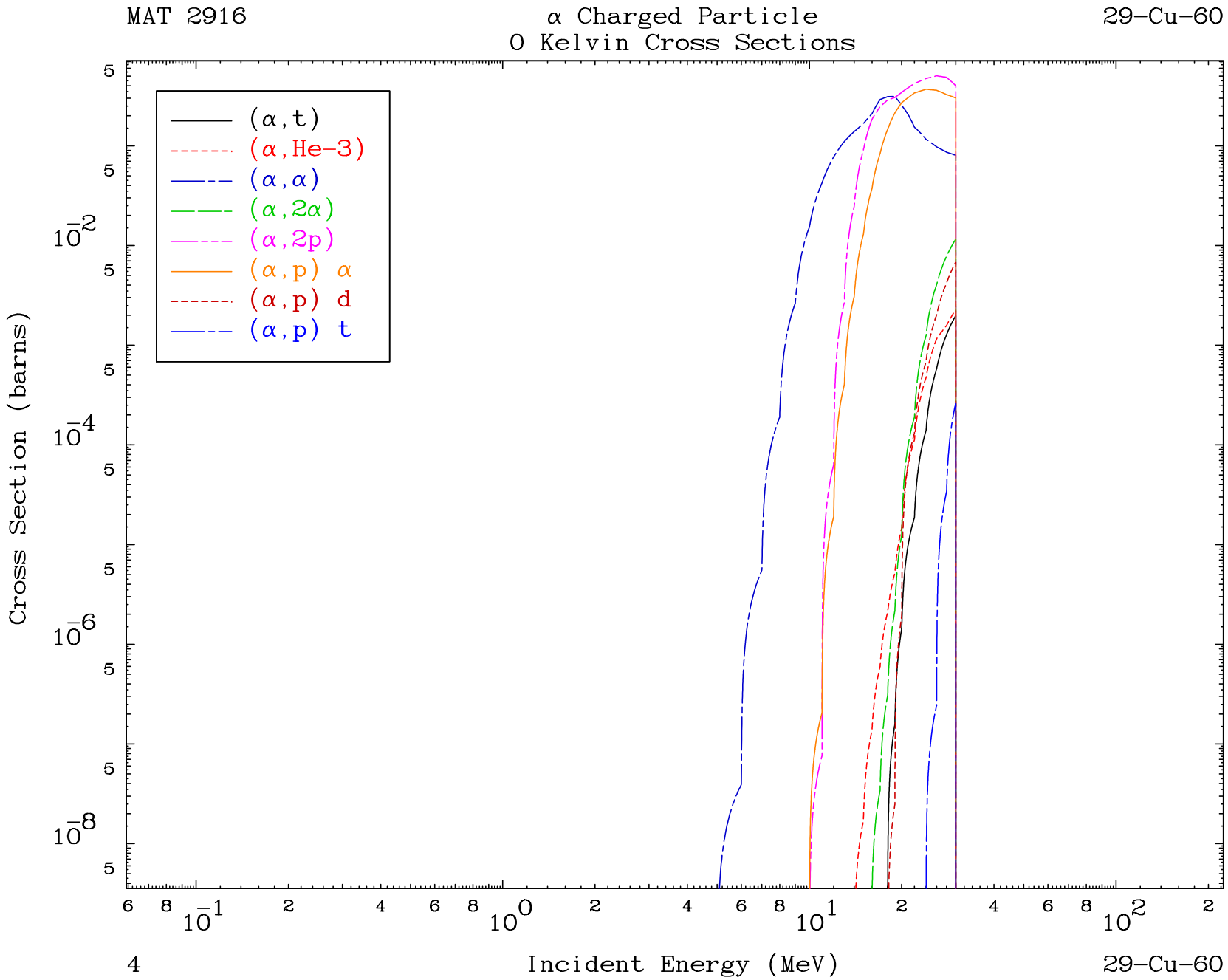
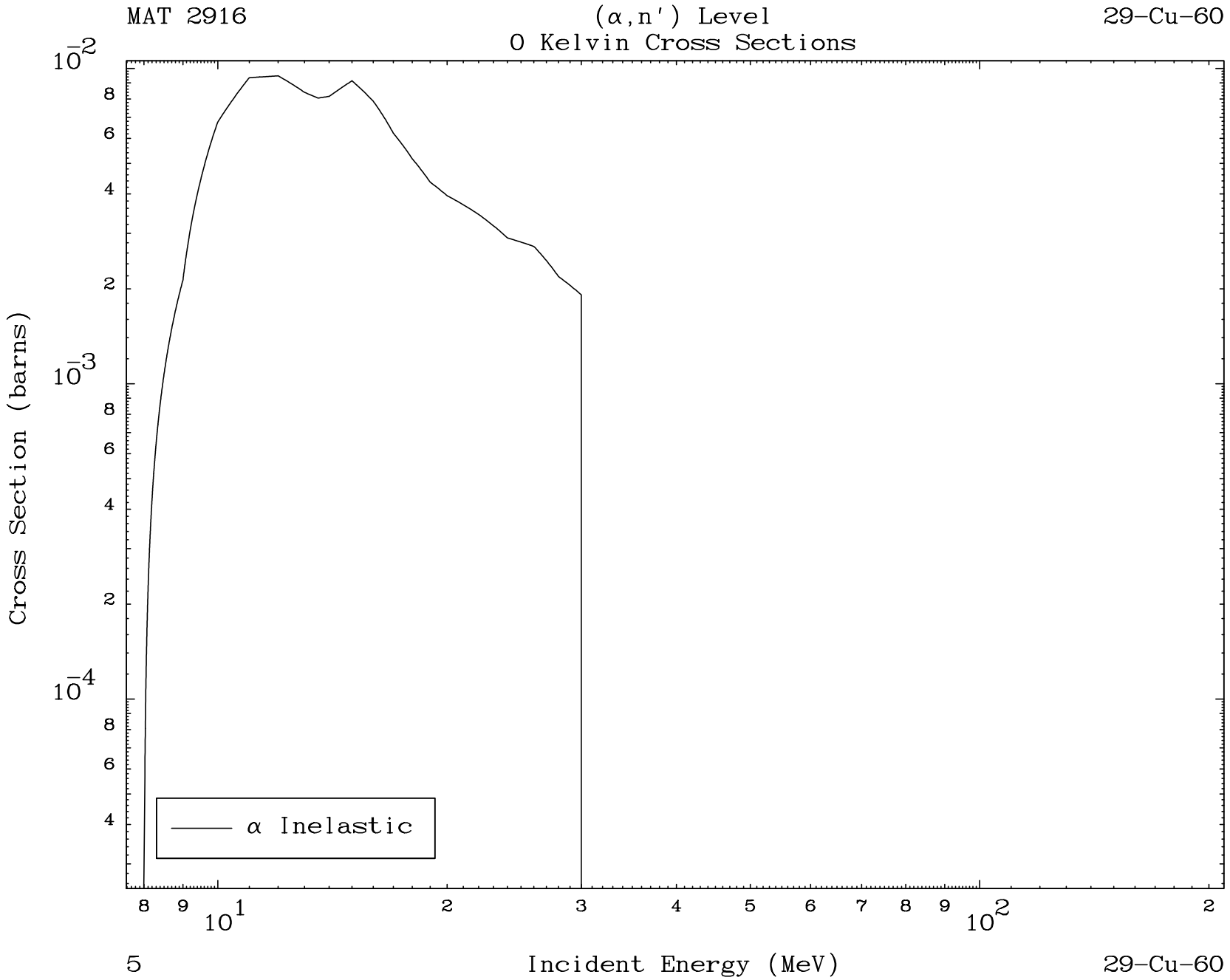
Press Mouse Button to Start

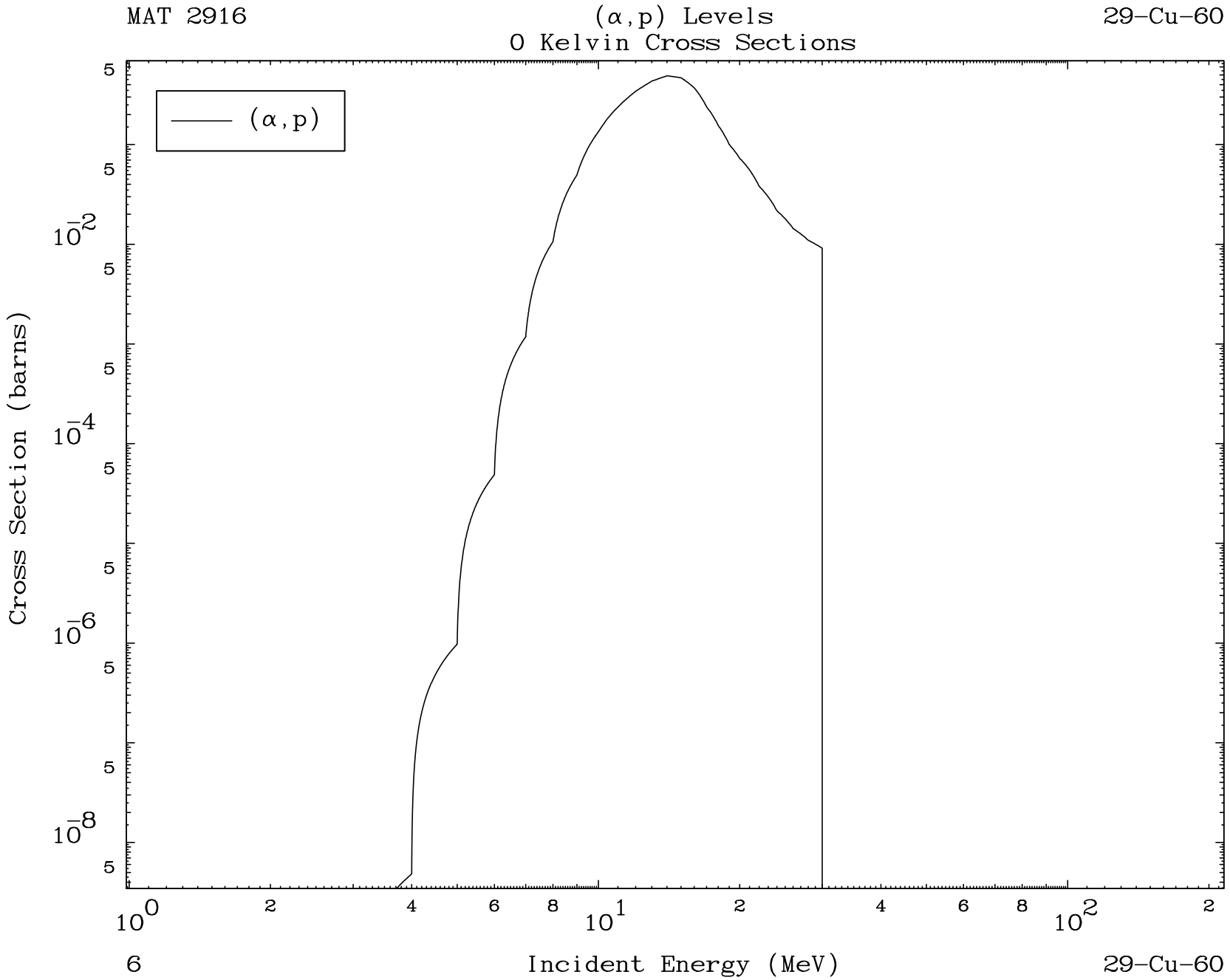

MAT 2916
α Major
29-Cu-60
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
29-Cu-60

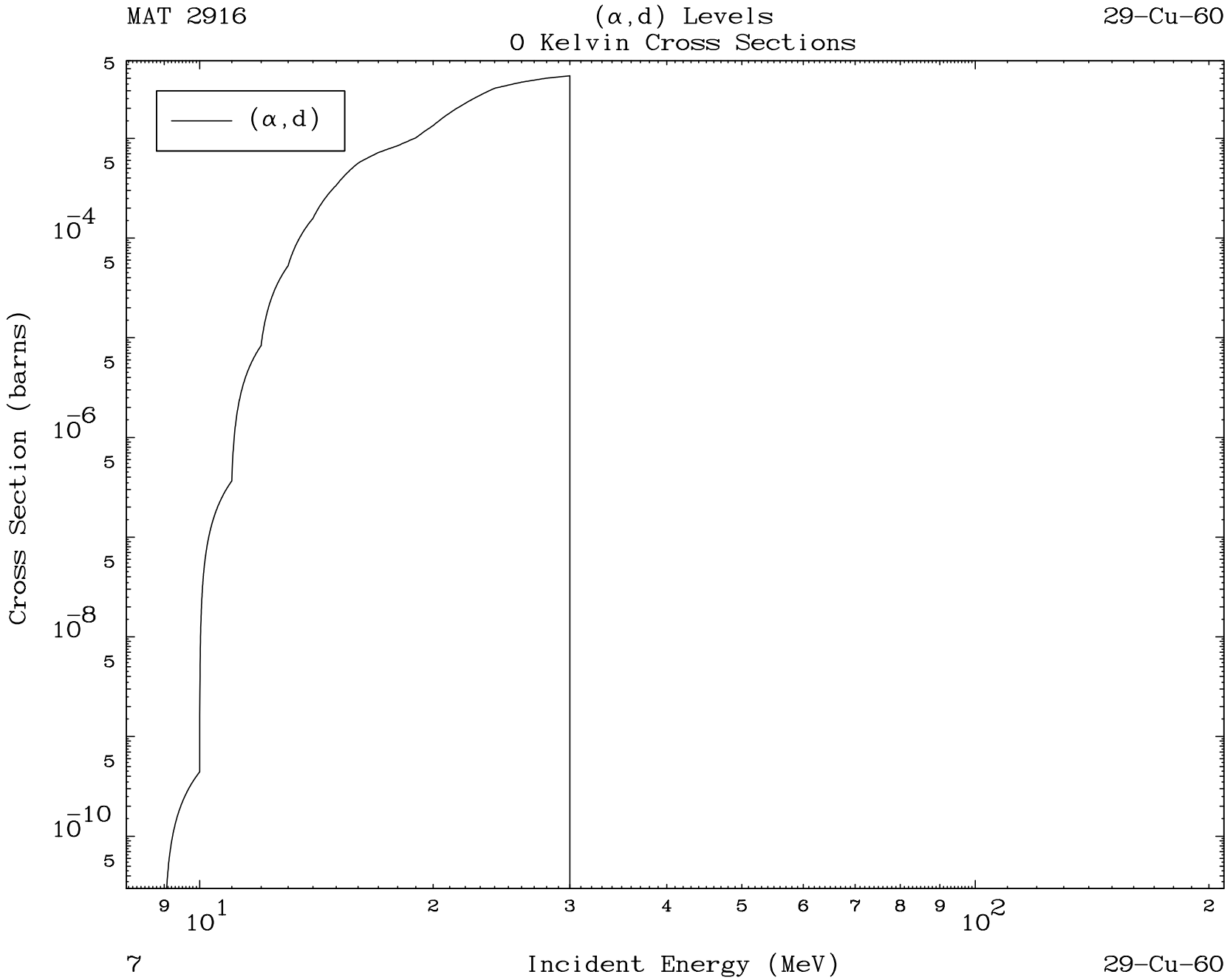

MAT 2916
α Neutron Production
0 Kelvin Cross Sections
29-Cu-60
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
(α,2n)
(α,n') α
(α,n') p
(α,n') 2α
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
2
Incident Energy (MeV)
29-Cu-60

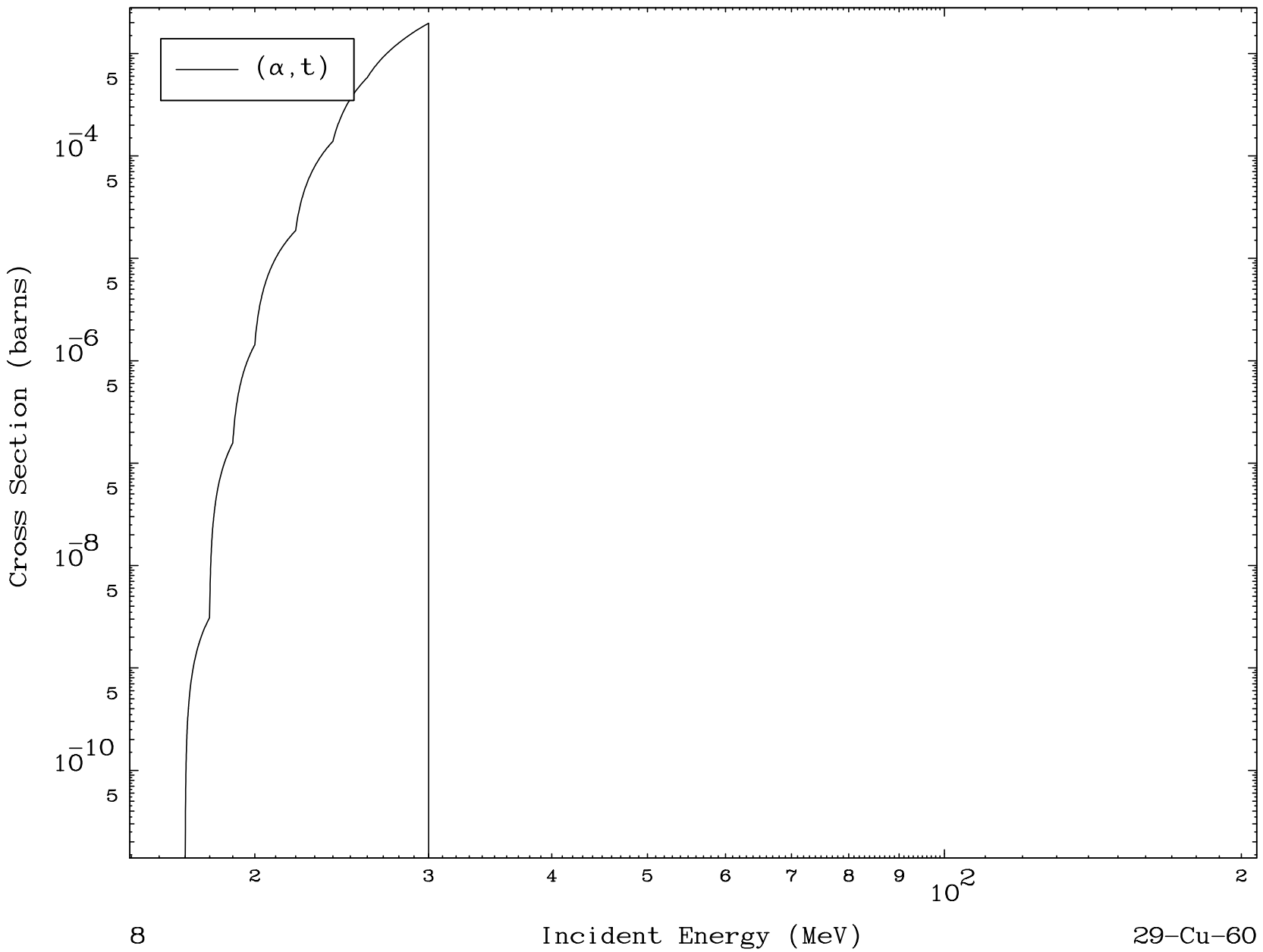

MAT 2916
α Charged Particle
0 Kelvin Cross Sections
29-Cu-60
(α,n') α
(α,n') p
(α,n') 2α
(α,n') d
(α,n') He-3
(α,2n) p
(α,p)
(α,d)
Cross Section (barns)
Incident Energy (MeV)
29-Cu-60
3

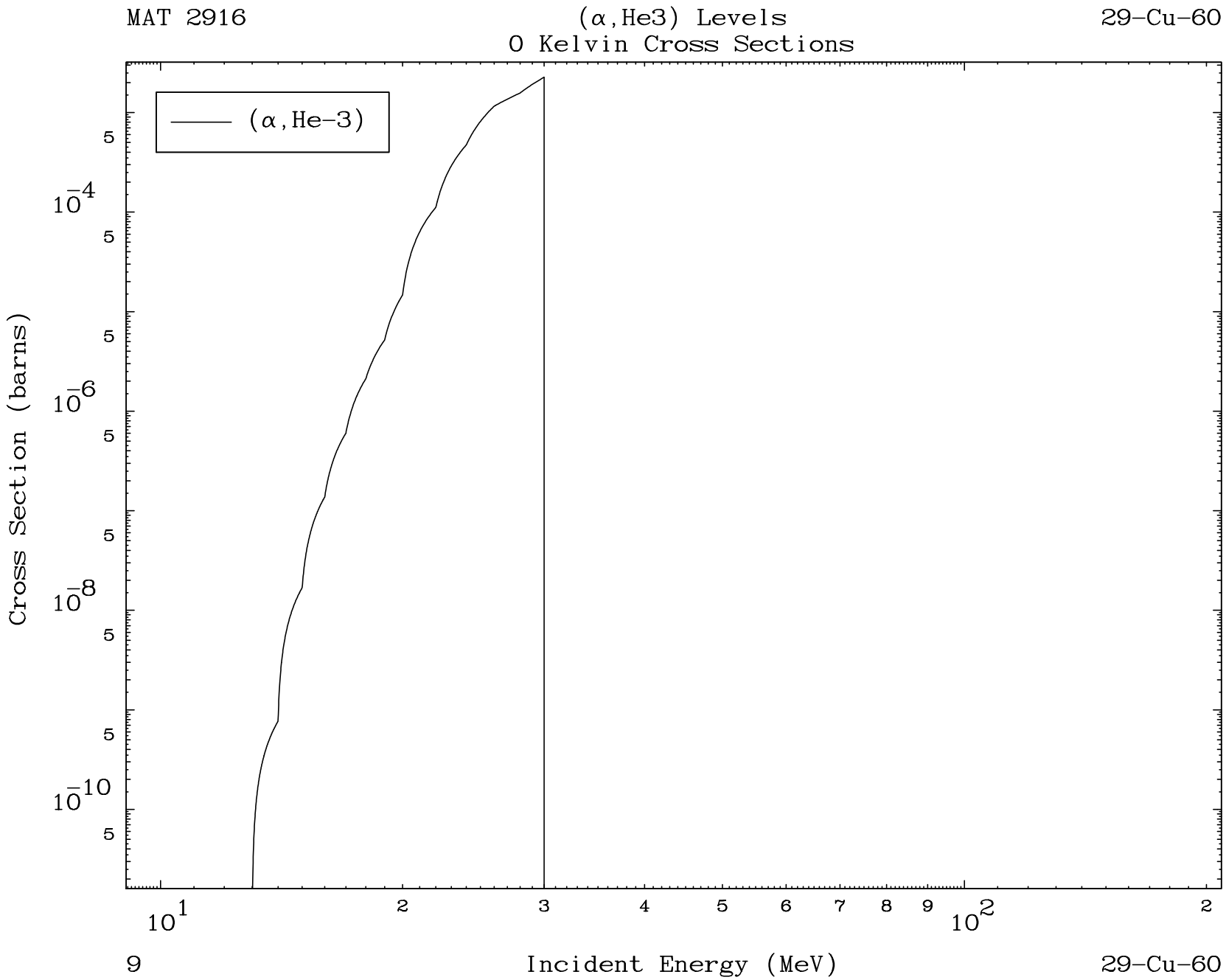

MAT 2916
α Charged Particle
0 Kelvin Cross Sections
29-Cu-60
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
29-Cu-60

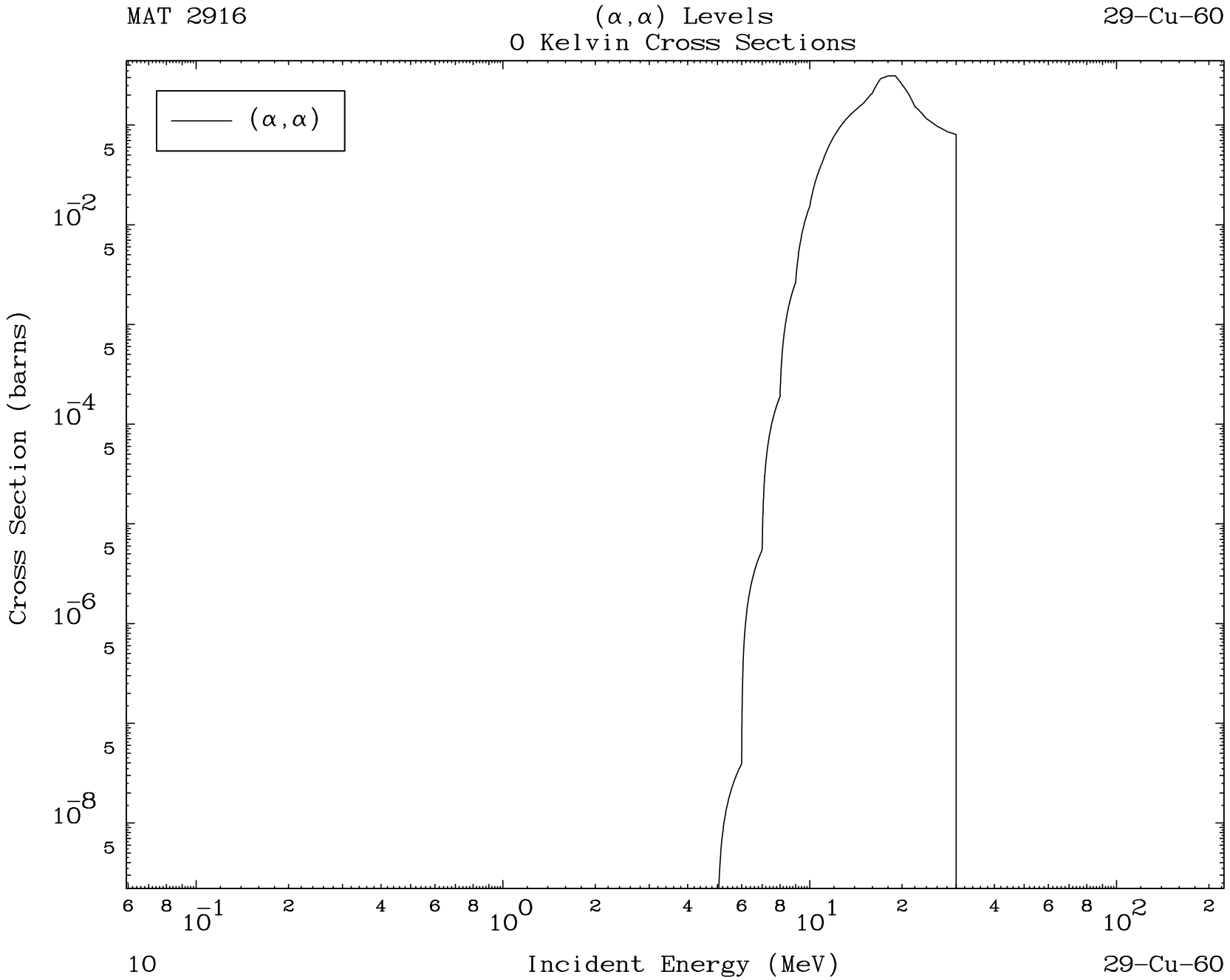

MAT 2916
(α,n') Level
29-Cu-60
0 Kelvin Cross Sections
Cross Section (barns)
10-2
8
6
4
2
10-3
8
6
4
2
10-4
8
6
4
α Inelastic
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
5
29-Cu-60

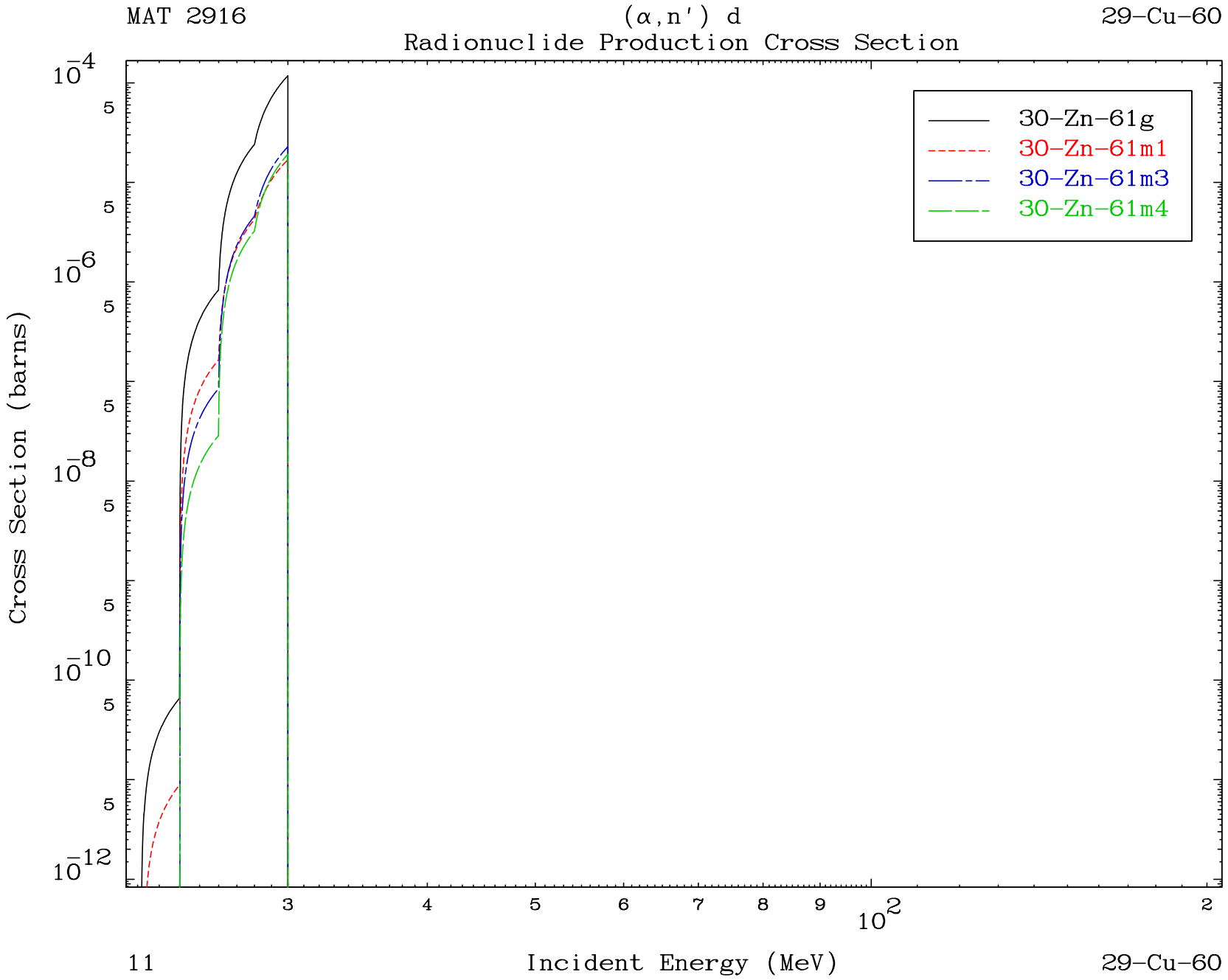

MAT 2916
(α,p) Levels
29-Cu-60
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
29-Cu-60
6

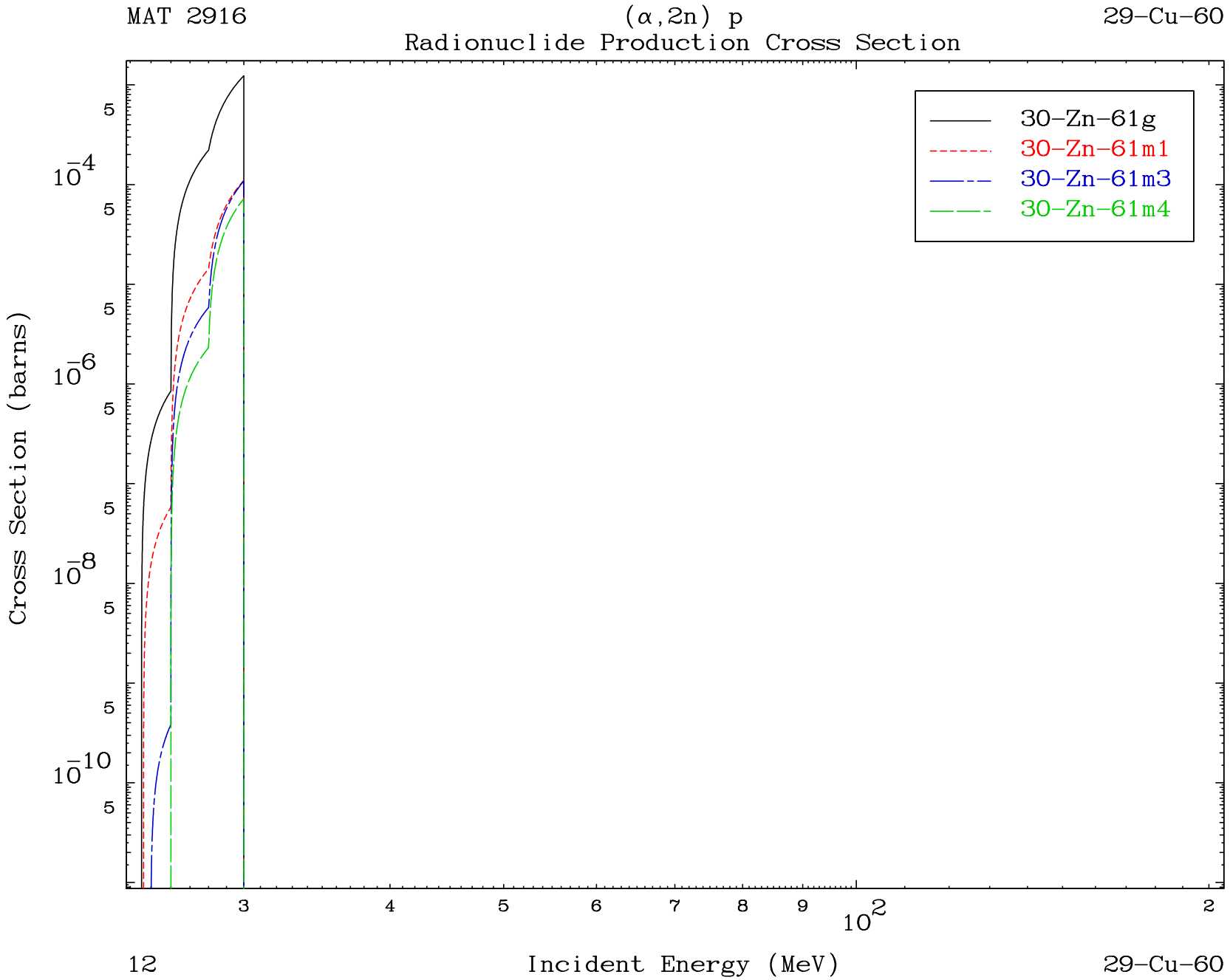

MAT 2916
(α,d) Levels
29-Cu-60
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10 1
10 2
29-Cu-60

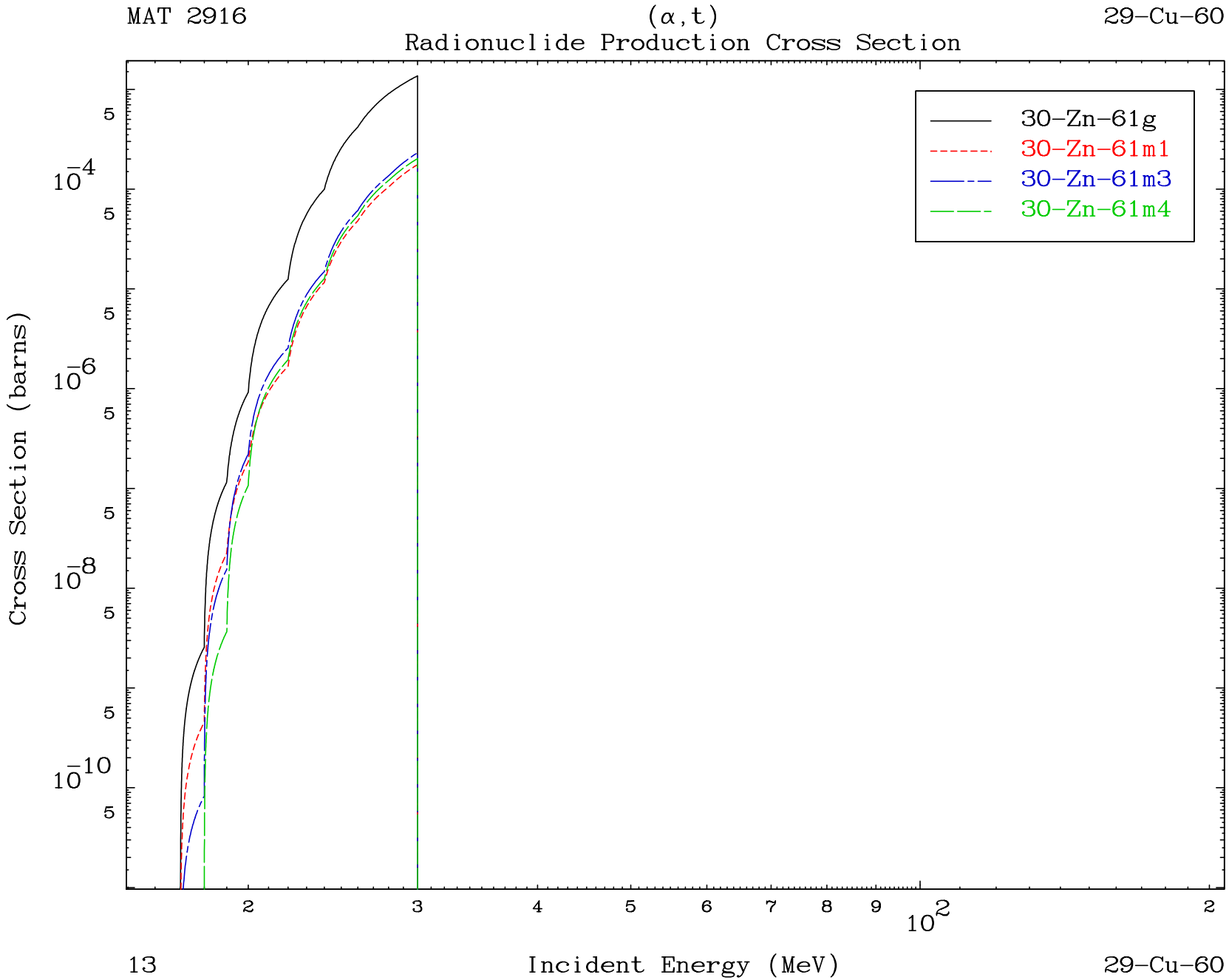

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


MAT 2916
(α,He3) Levels
29-Cu-60
0 Kelvin Cross Sections
(α,He-3)
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)
9
29-Cu-60


MAT 2916
(α,α) Levels
29-Cu-60
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
29-Cu-60


MAT 2916
(α,n') d
29-Cu-60
Radionuclide Production Cross Section
30-Zn-61g
30-Zn-61m1
30-Zn-61m3
30-Zn-61m4
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
29-Cu-60


MAT 2916
(α,2n) p
29-Cu-60
Radionuclide Production Cross Section
30-Zn-61g
30-Zn-61m1
30-Zn-61m3
30-Zn-61m4
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
29-Cu-60


MAT 2916
(α,t)
29-Cu-60
Radionuclide Production Cross Section
30-Zn-61g
30-Zn-61m1
30-Zn-61m3
30-Zn-61m4
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
29-Cu-60