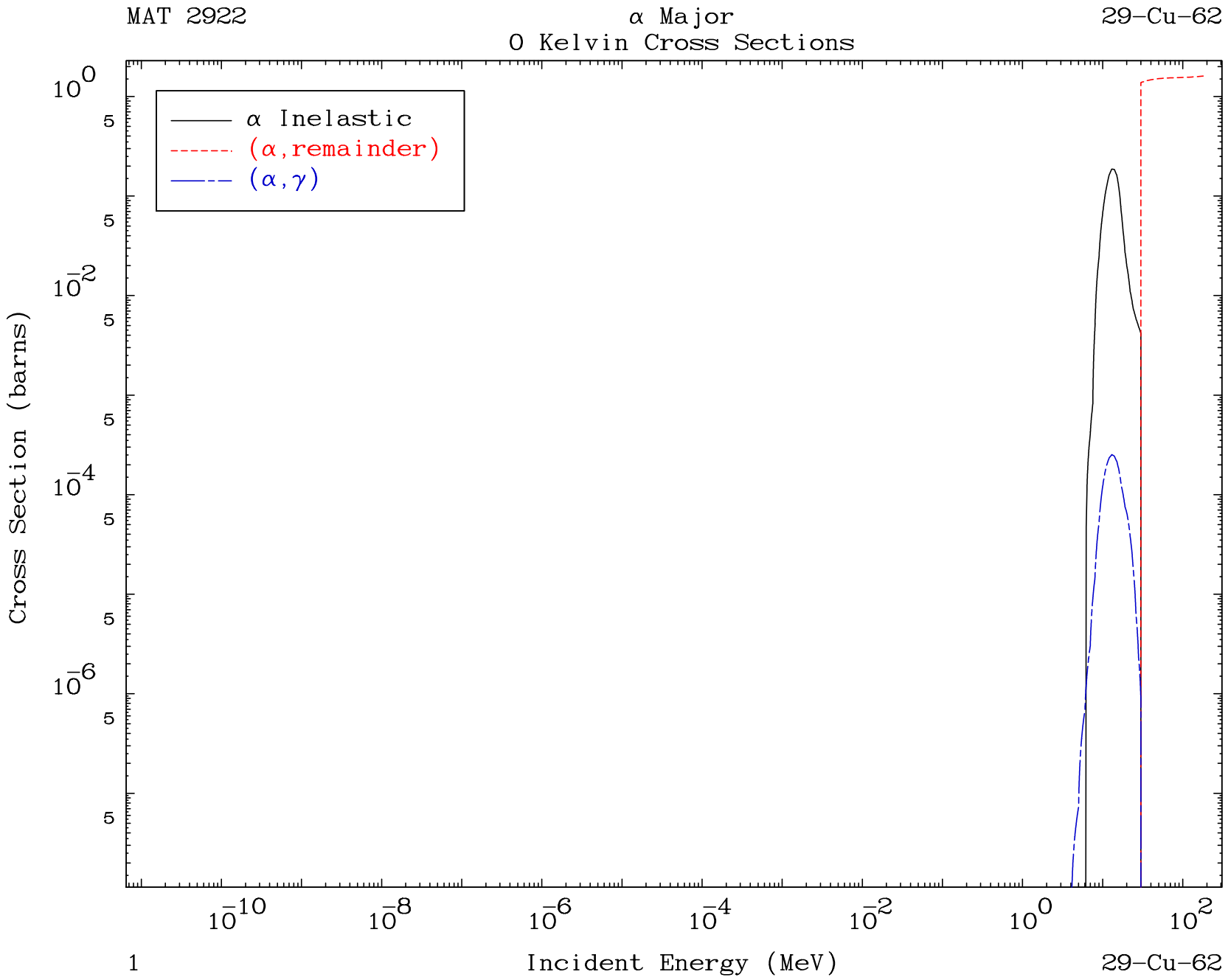
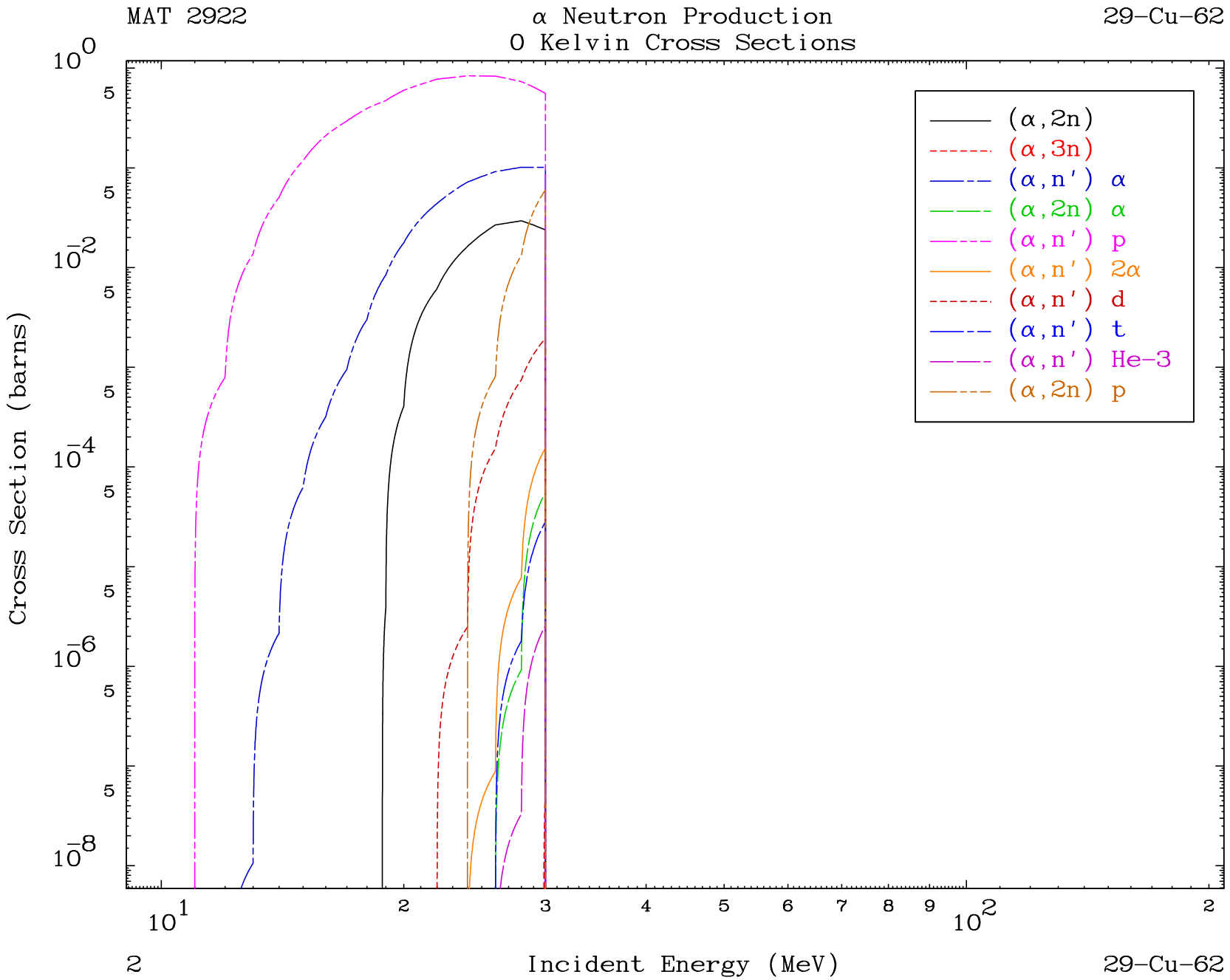
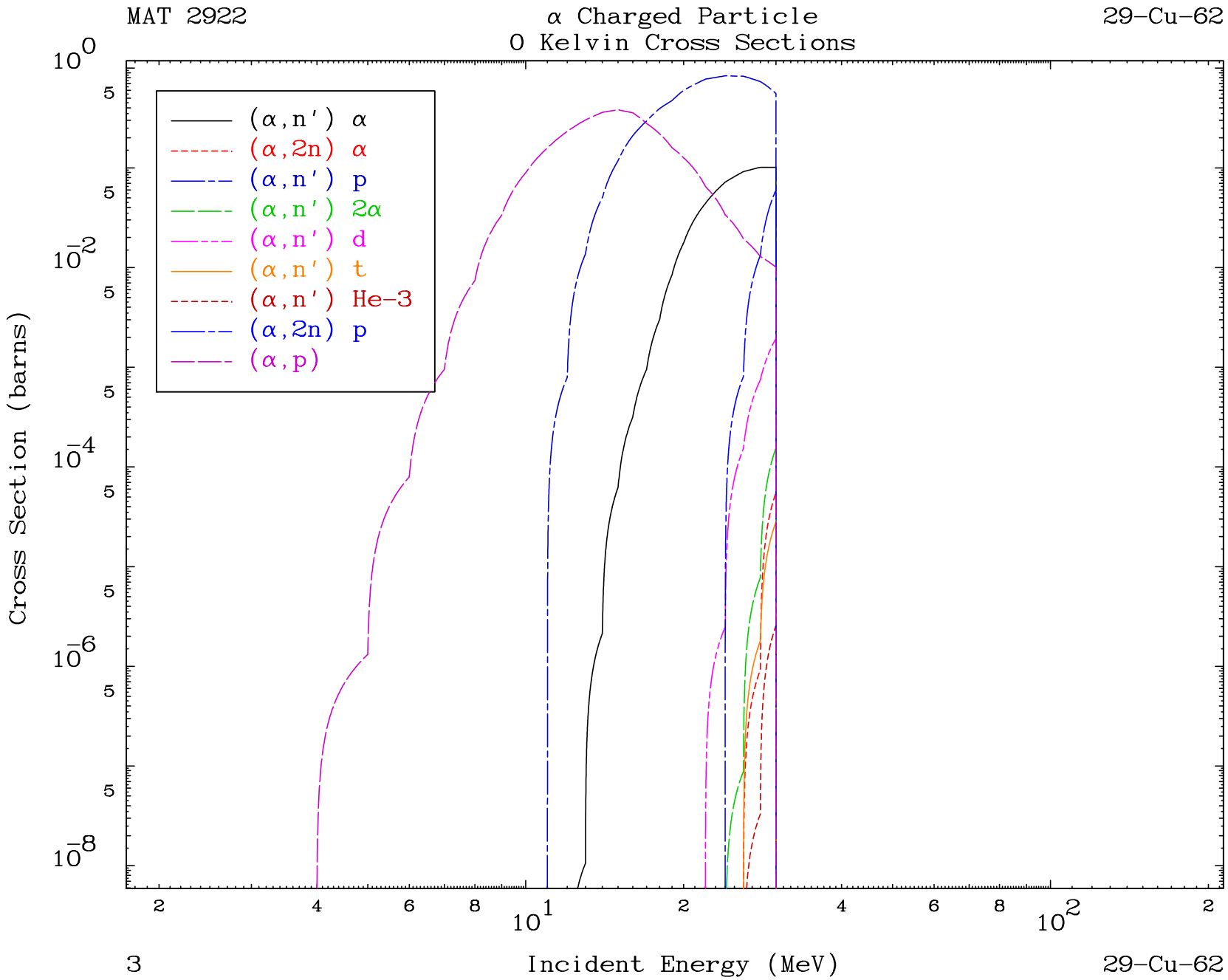
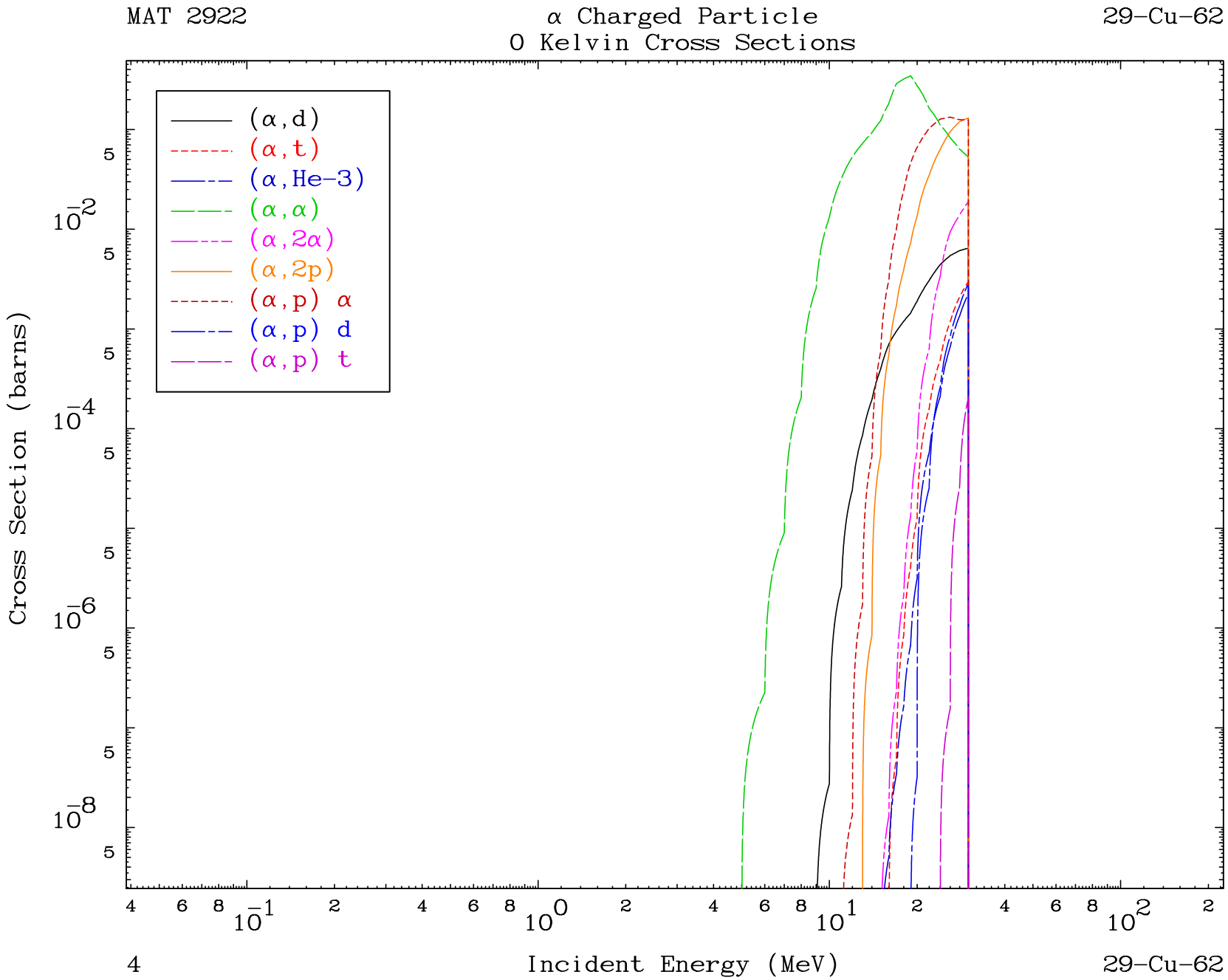
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

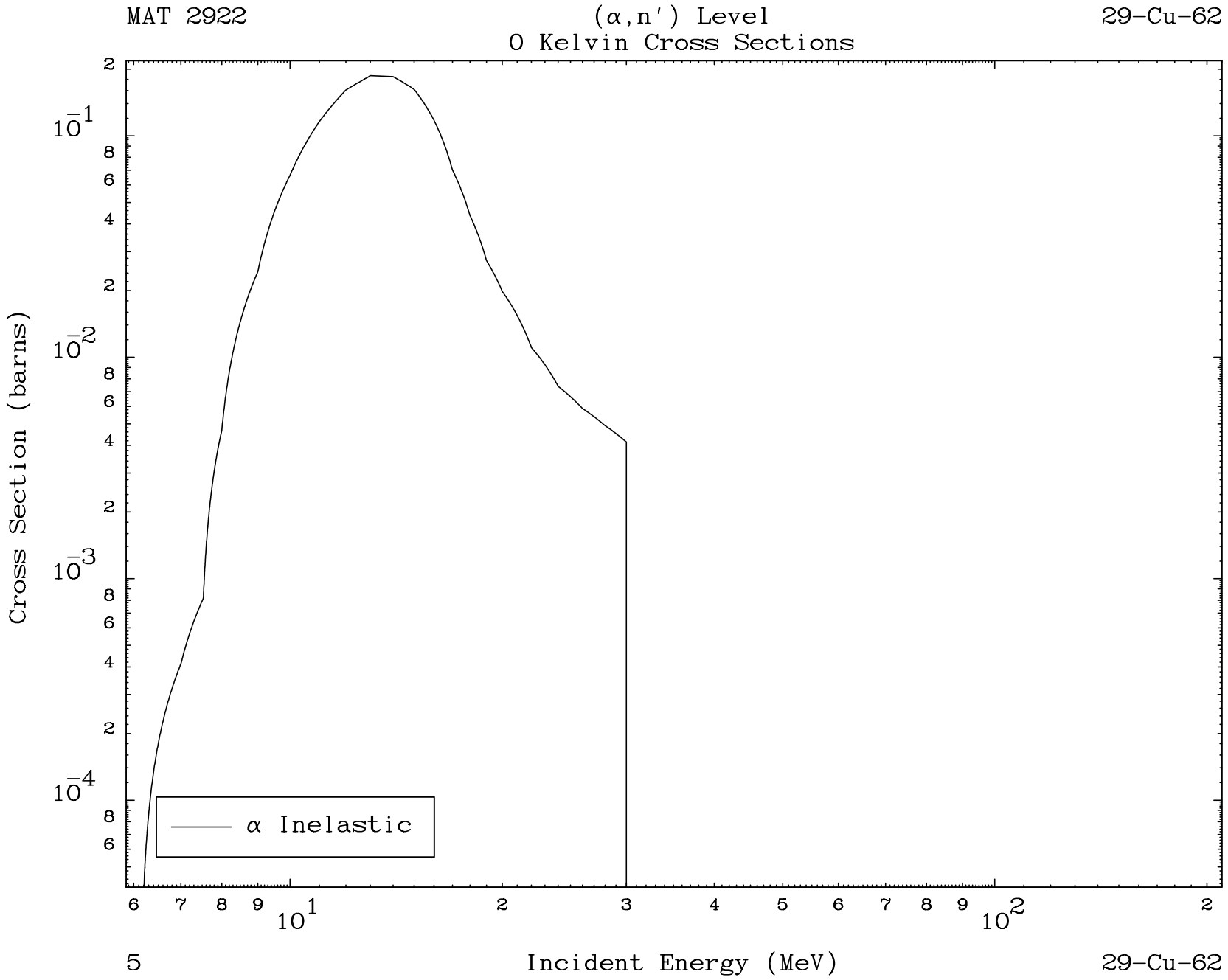
Press Mouse Button to Start

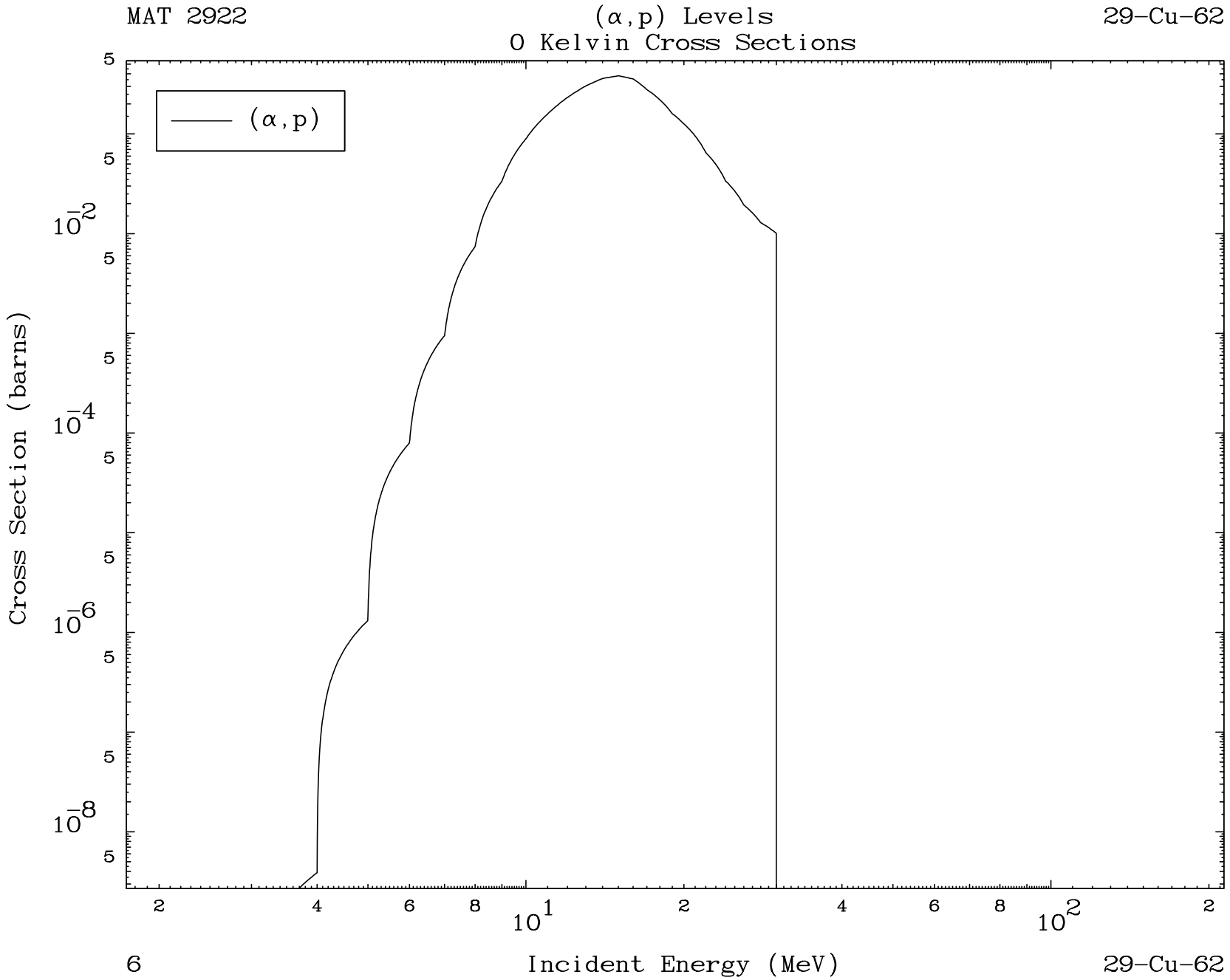

MAT 2922
α Major
29-Cu-62
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
29-Cu-62

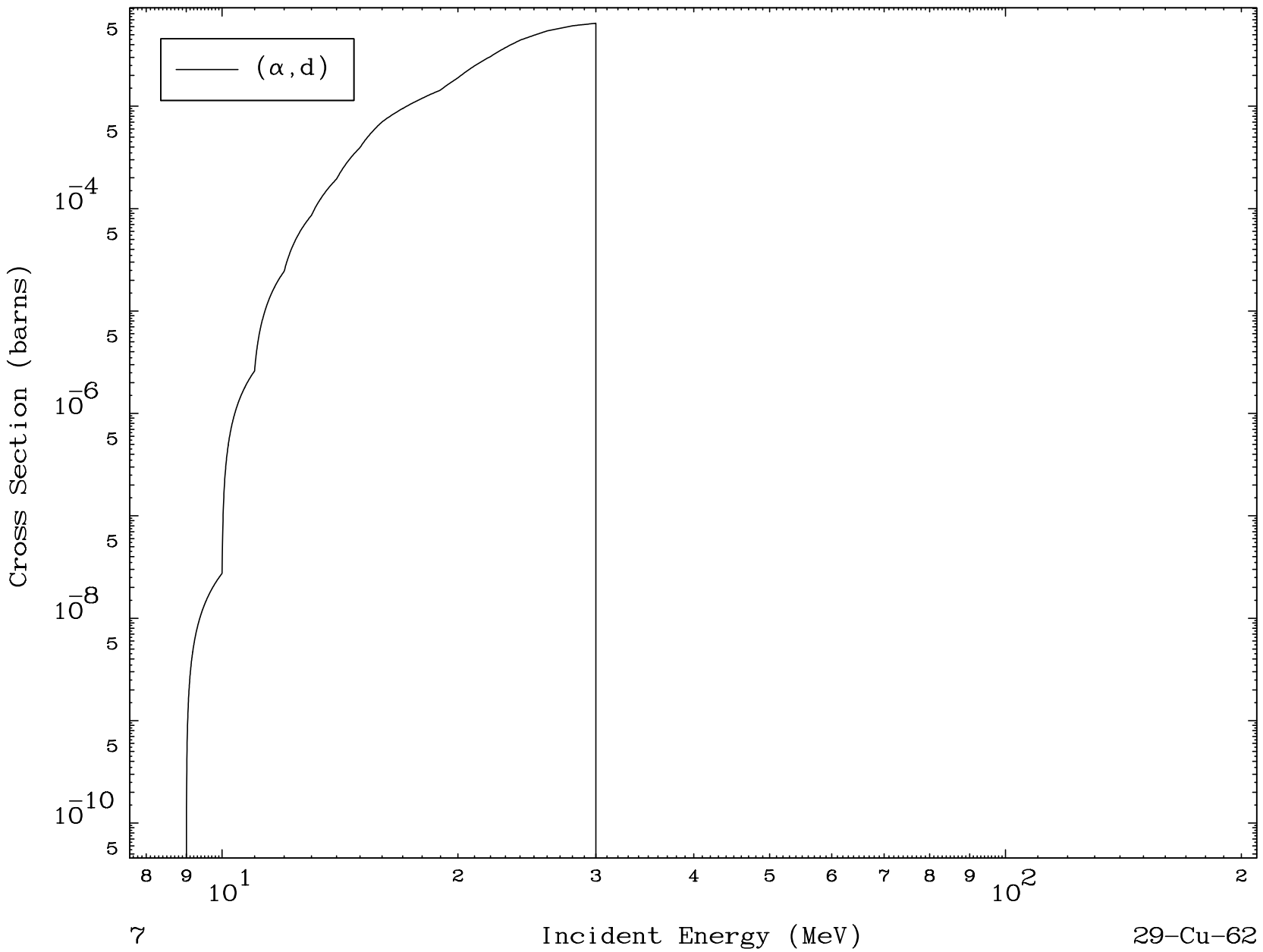

MAT 2922
α Neutron Production
0 Kelvin Cross Sections
29-Cu-62
Cross Section (barns)
Incident Energy (MeV)
29-Cu-62
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p

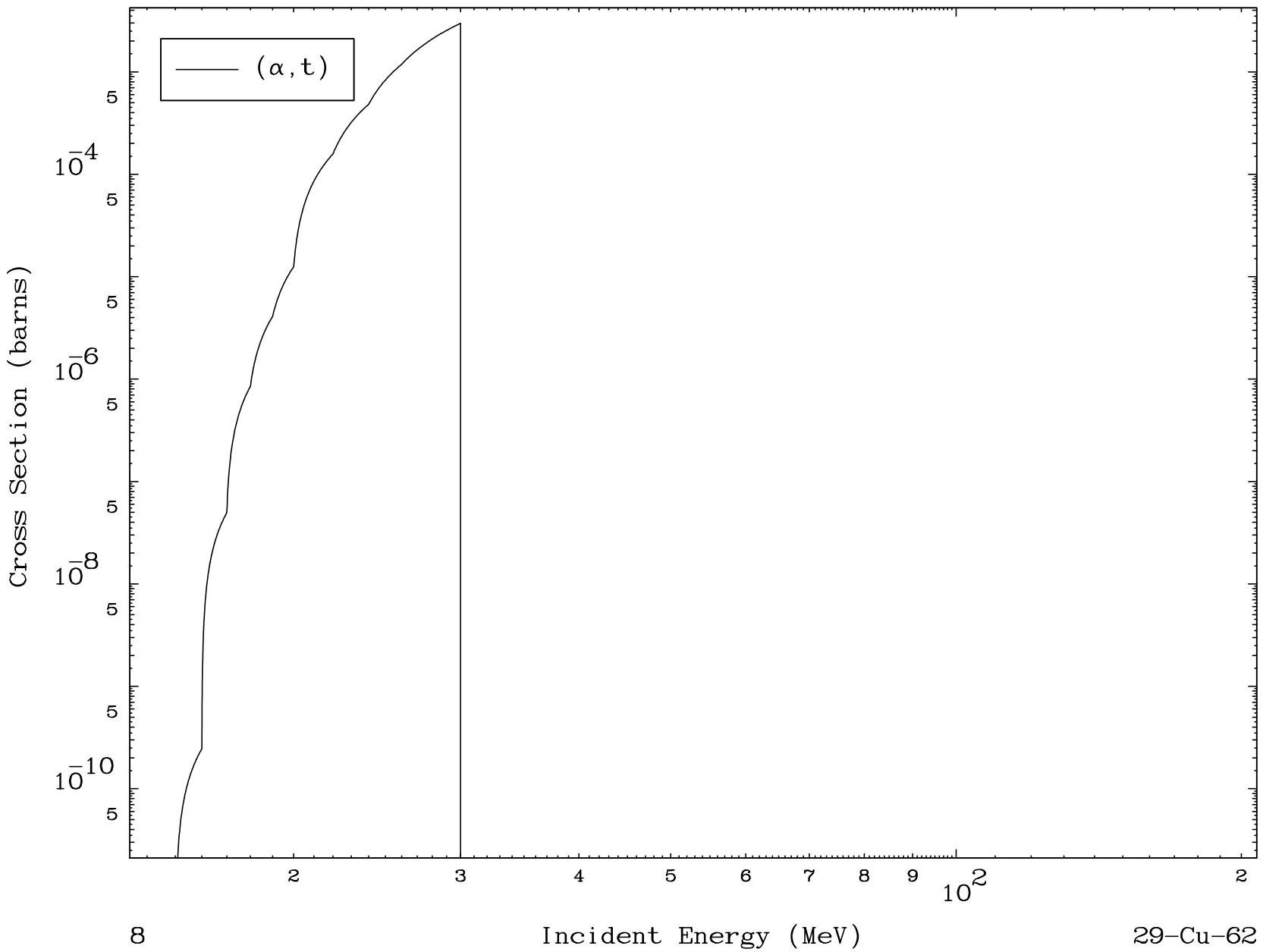

MAT 2922
α Charged Particle
0 Kelvin Cross Sections
29-Cu-62
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,p)
Cross Section (barns)
Incident Energy (MeV)
3
29-Cu-62

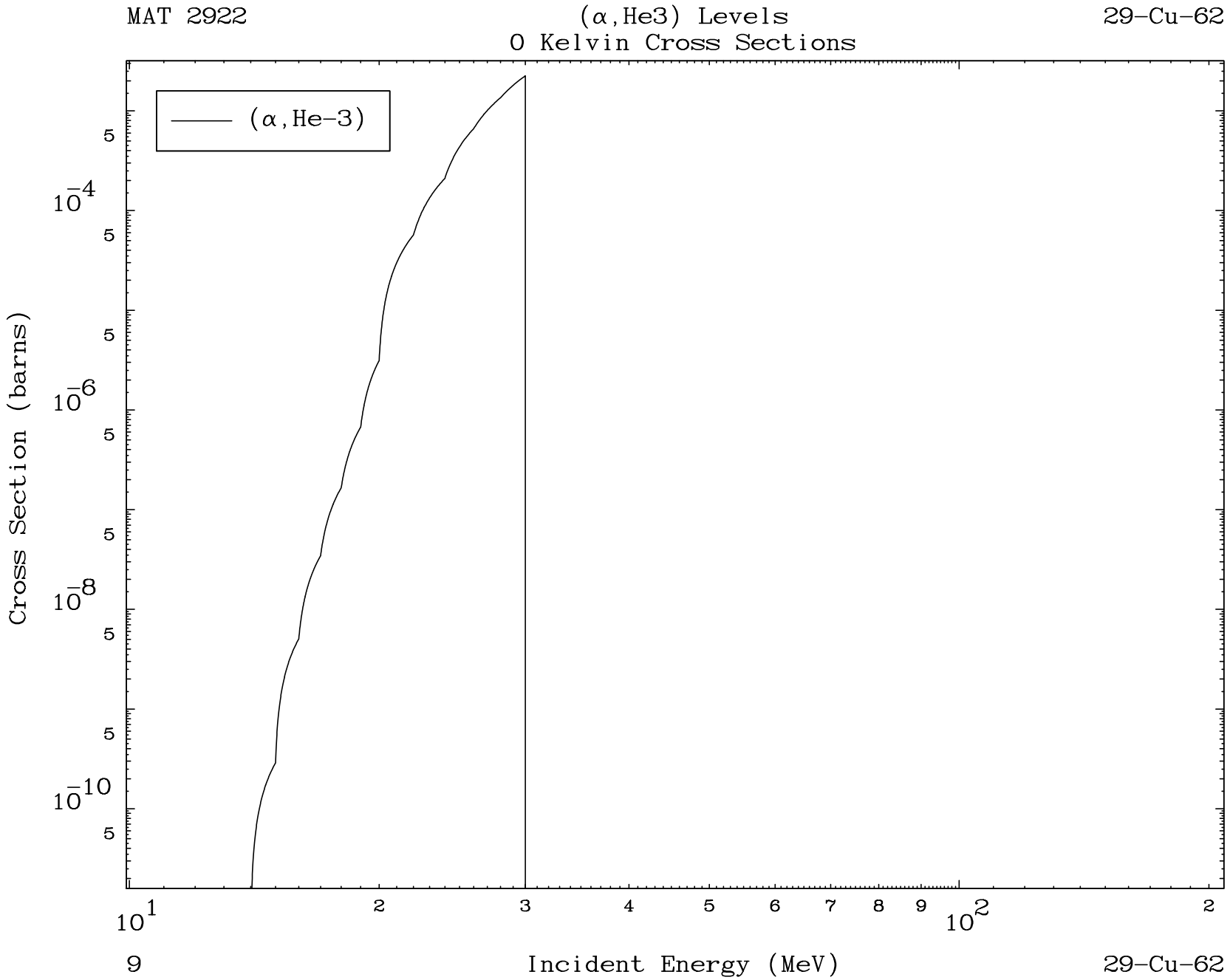

MAT 2922
α Charged Particle
0 Kelvin Cross Sections
29-Cu-62
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
29-Cu-62

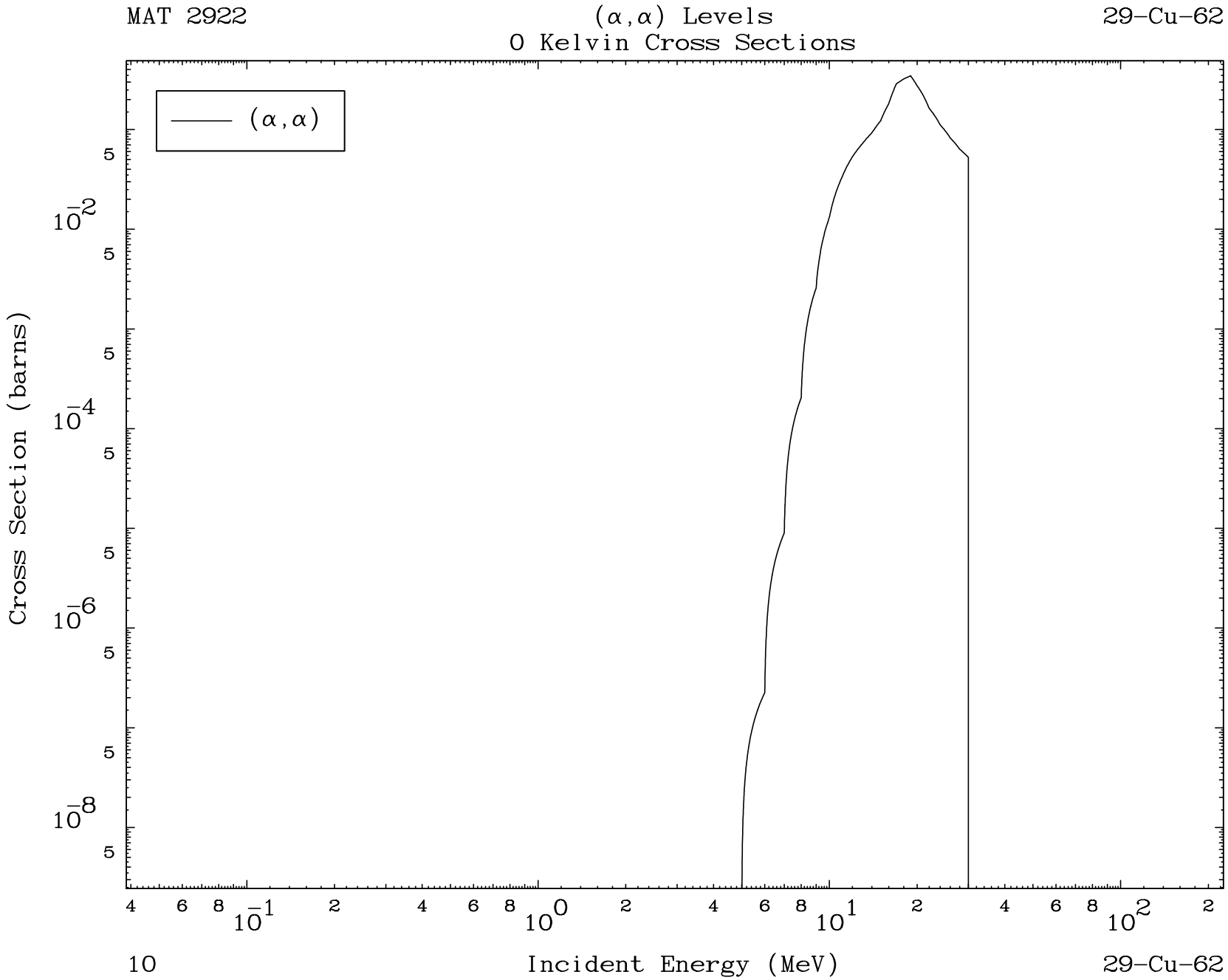

MAT 2922
(α,n') Level
0 Kelvin Cross Sections
29-Cu-62
Cross Section (barns)
Incident Energy (MeV)
α Inelastic
5
29-Cu-62

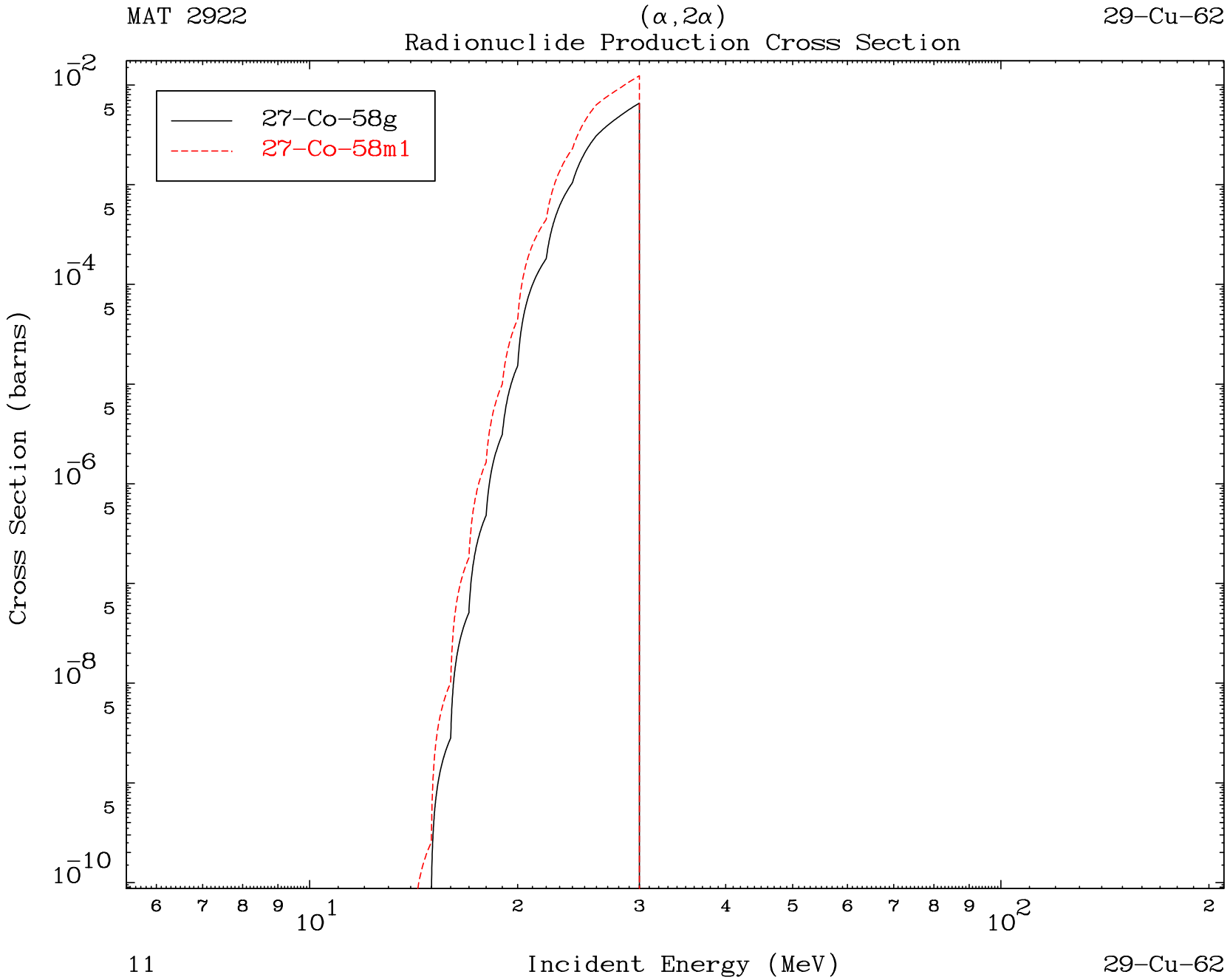

MAT 2922
(α,p) Levels
29-Cu-62
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
29-Cu-62


0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10⁻4
10⁻6
10⁻8
10⁻10
5
8 9 10¹ 2 3 4 5 6 7 8 9 10² 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)


MAT 2922
(α,He3) Levels
29-Cu-62
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
Incident Energy (MeV)
101
102
2
3
4
5
6
7
8
9
29-Cu-62


MAT 2922
(α,α) Levels
29-Cu-62
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-1
10^0
10^1
10^2
Incident Energy (MeV)
29-Cu-62


MAT 2922
(α,2α)
29-Cu-62
Radionuclide Production Cross Section
27-Co-58g
27-Co-58m1
Cross Section (barns)
Incident Energy (MeV)
11
29-Cu-62