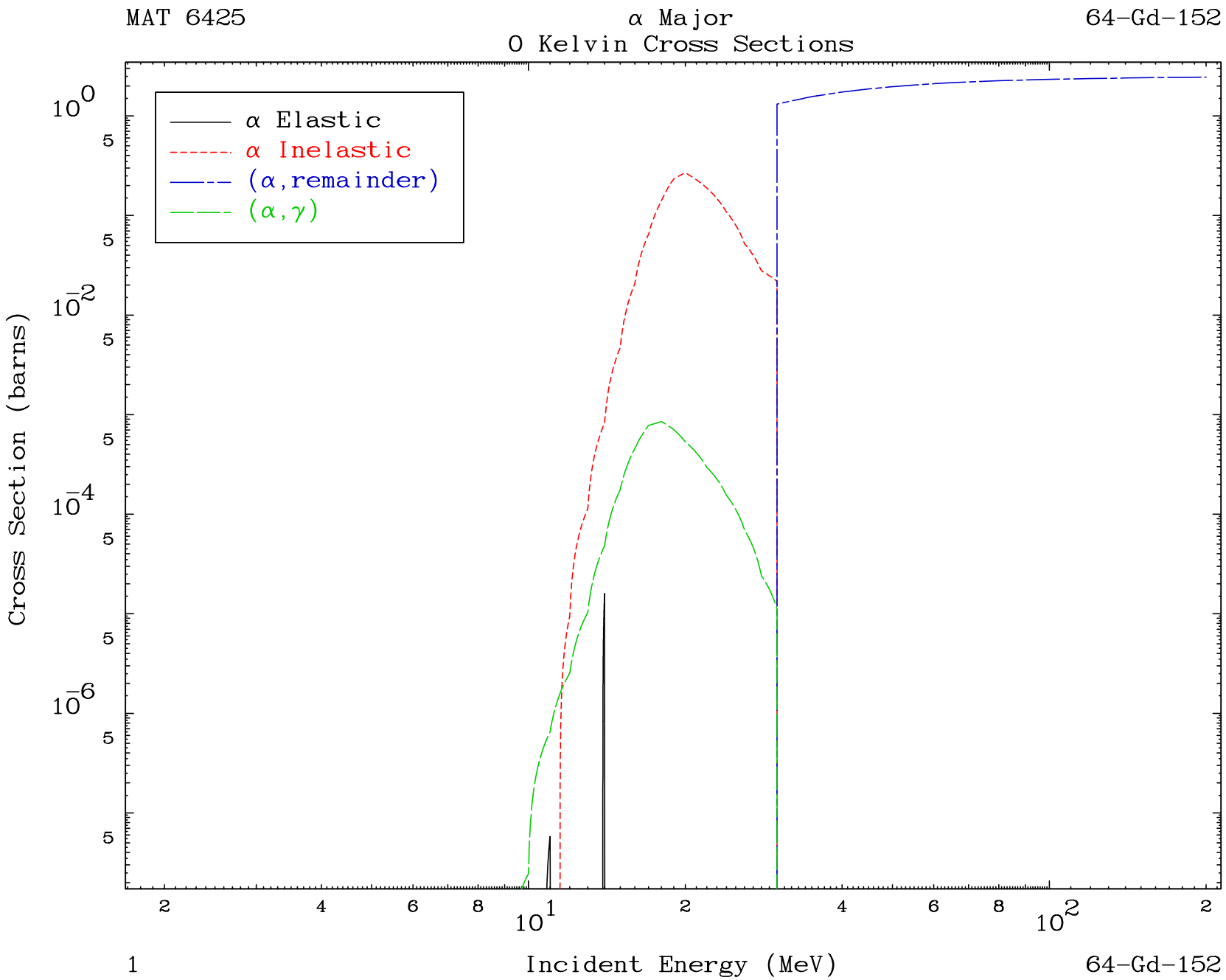
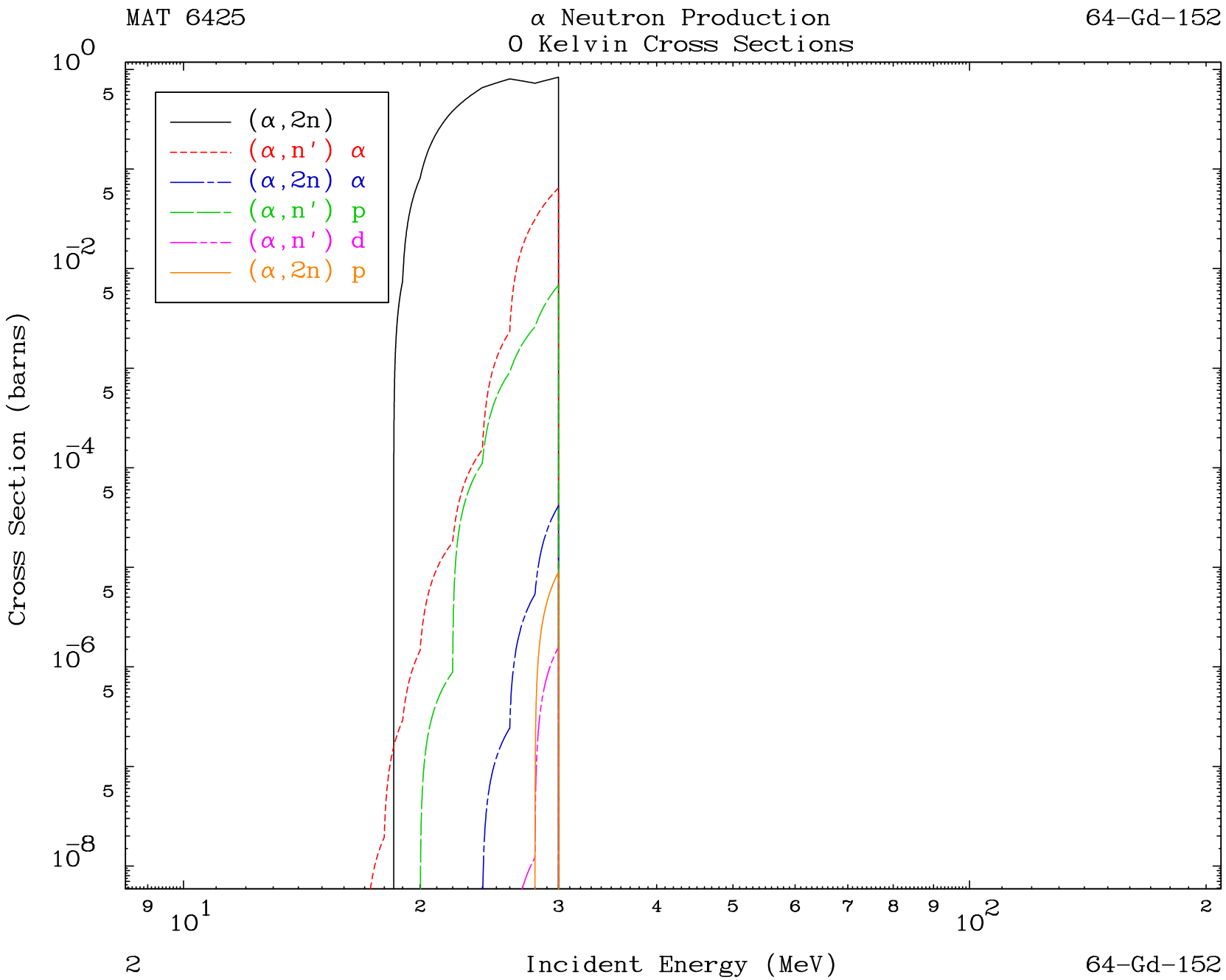
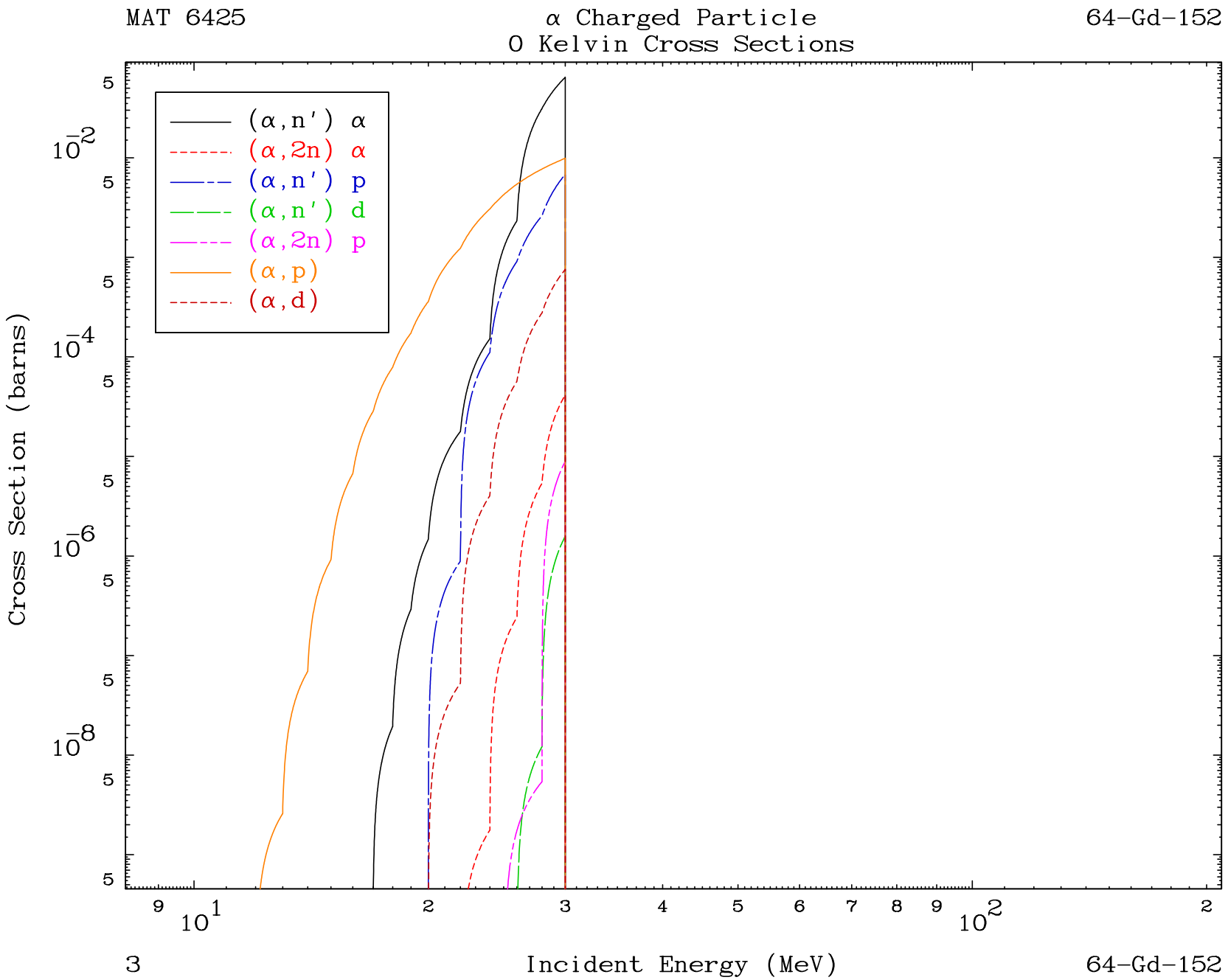
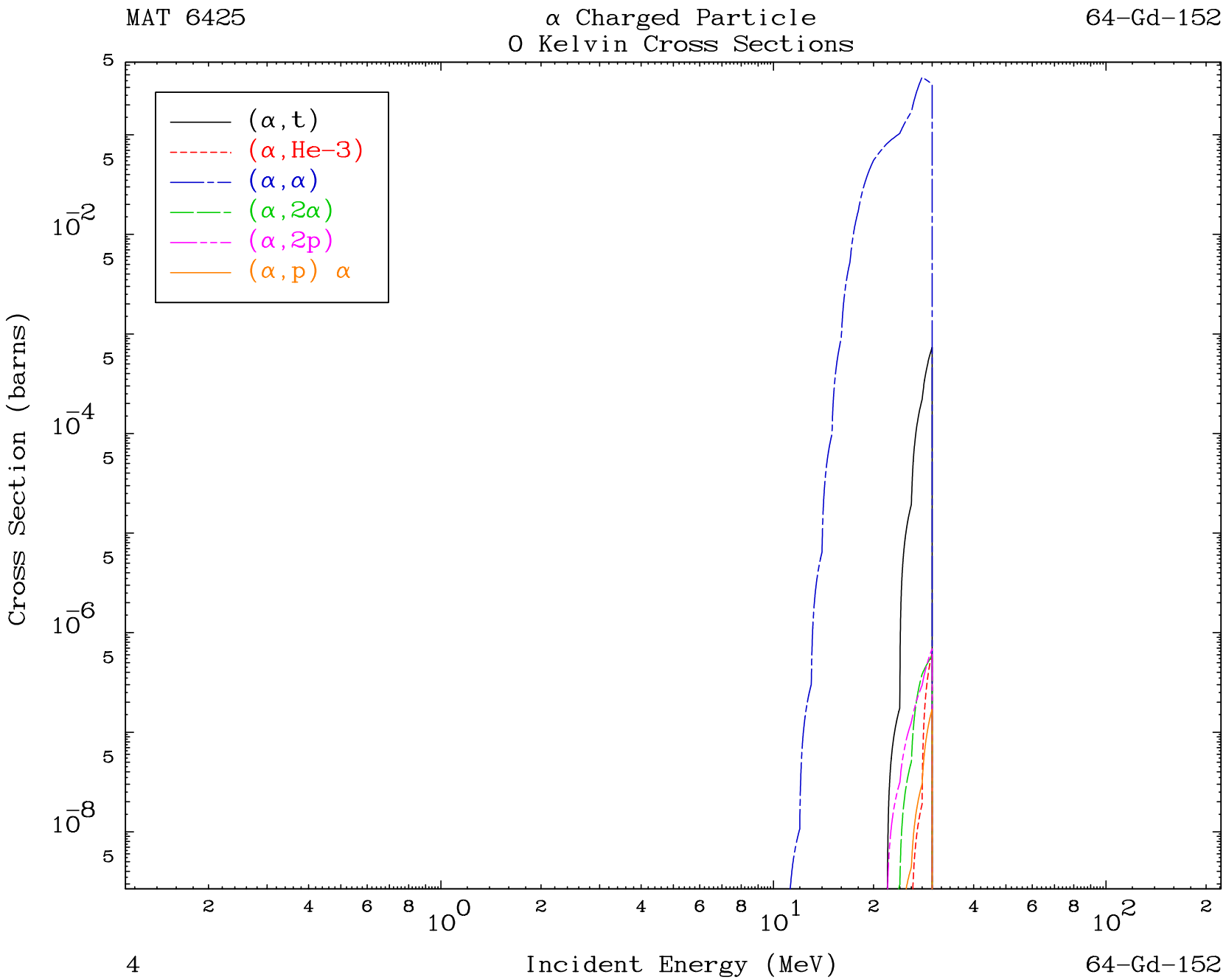
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

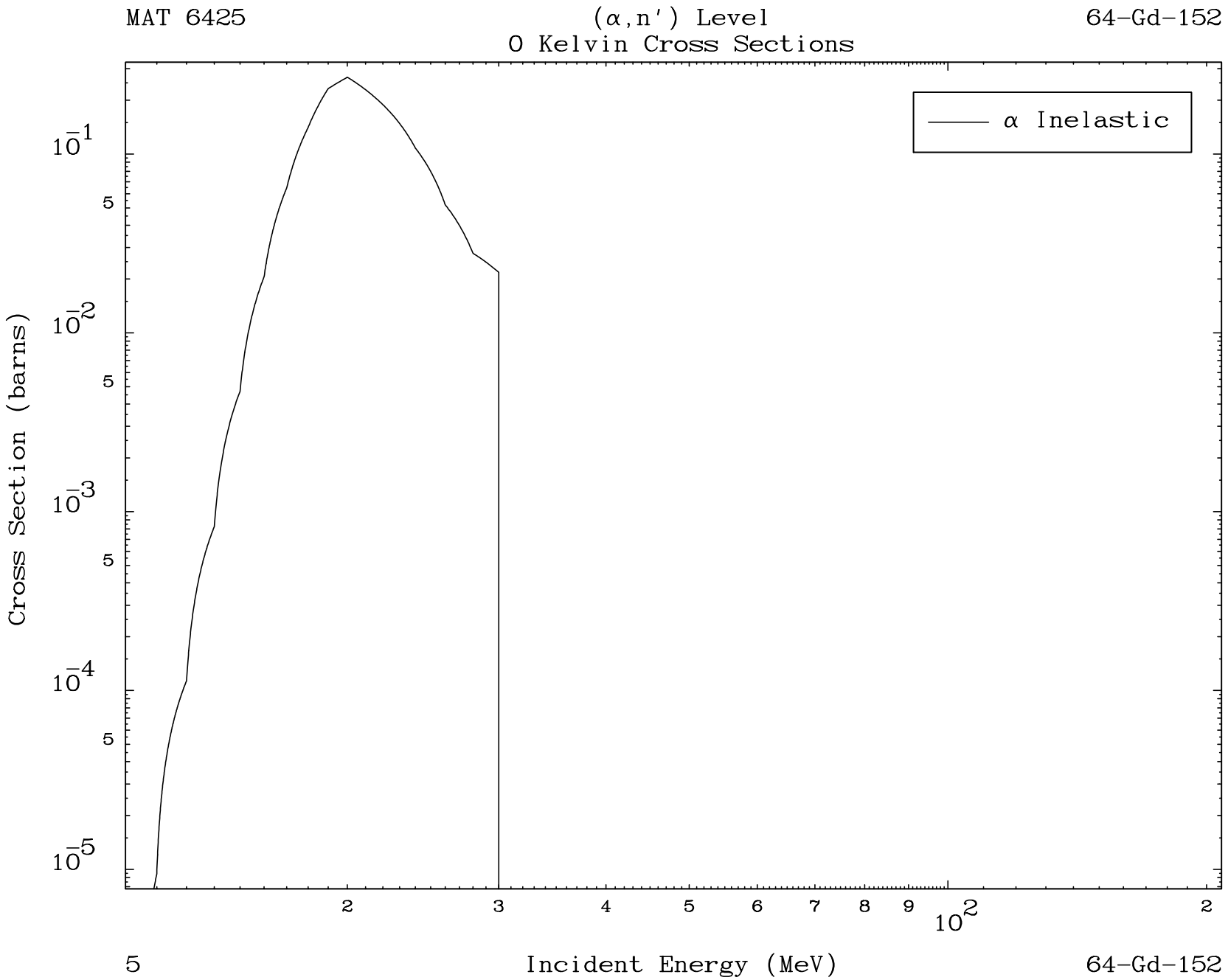
Press Mouse Button to Start

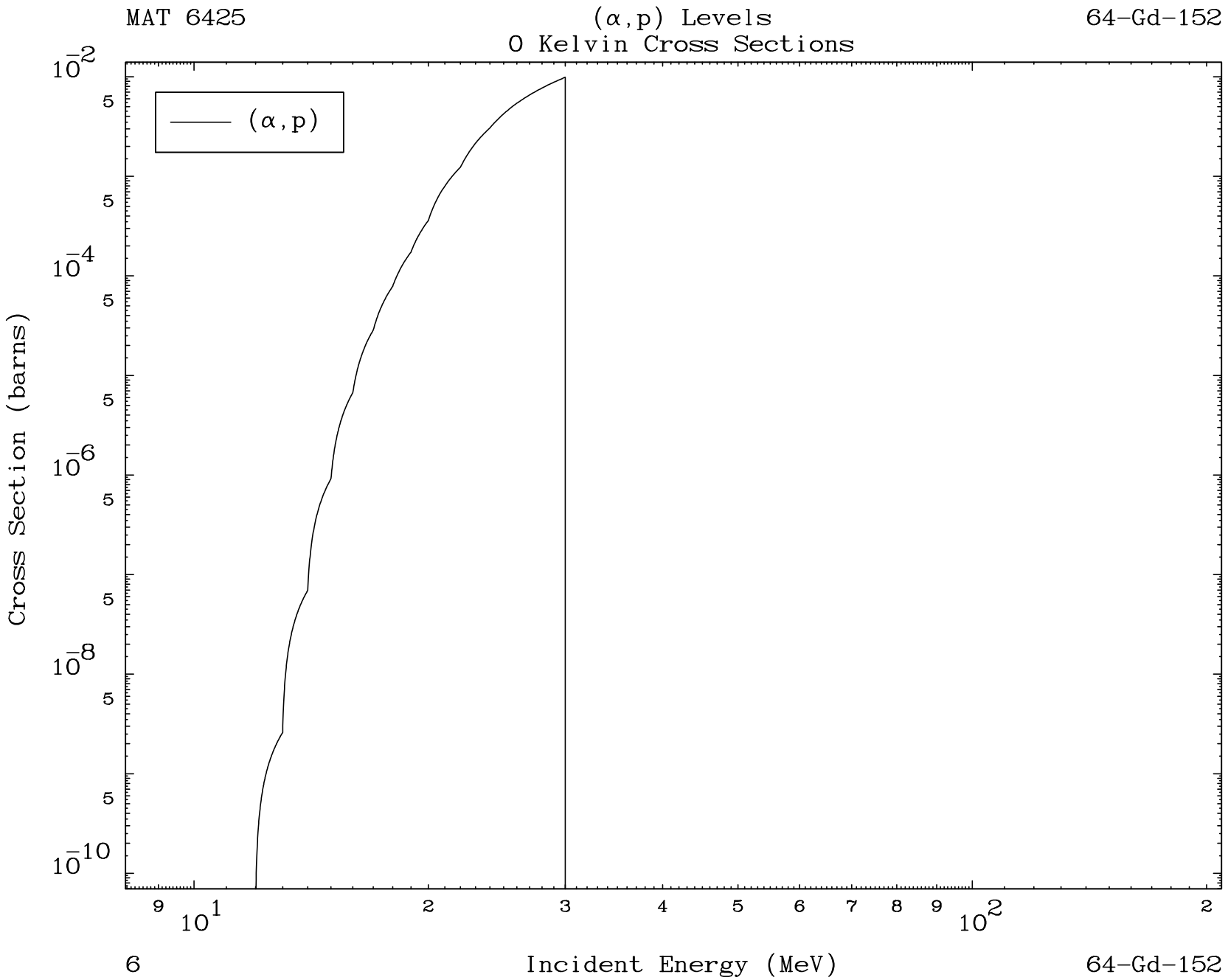

MAT 6425
α Major
64-Gd-152
0 Kelvin Cross Sections
α Elastic
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-152

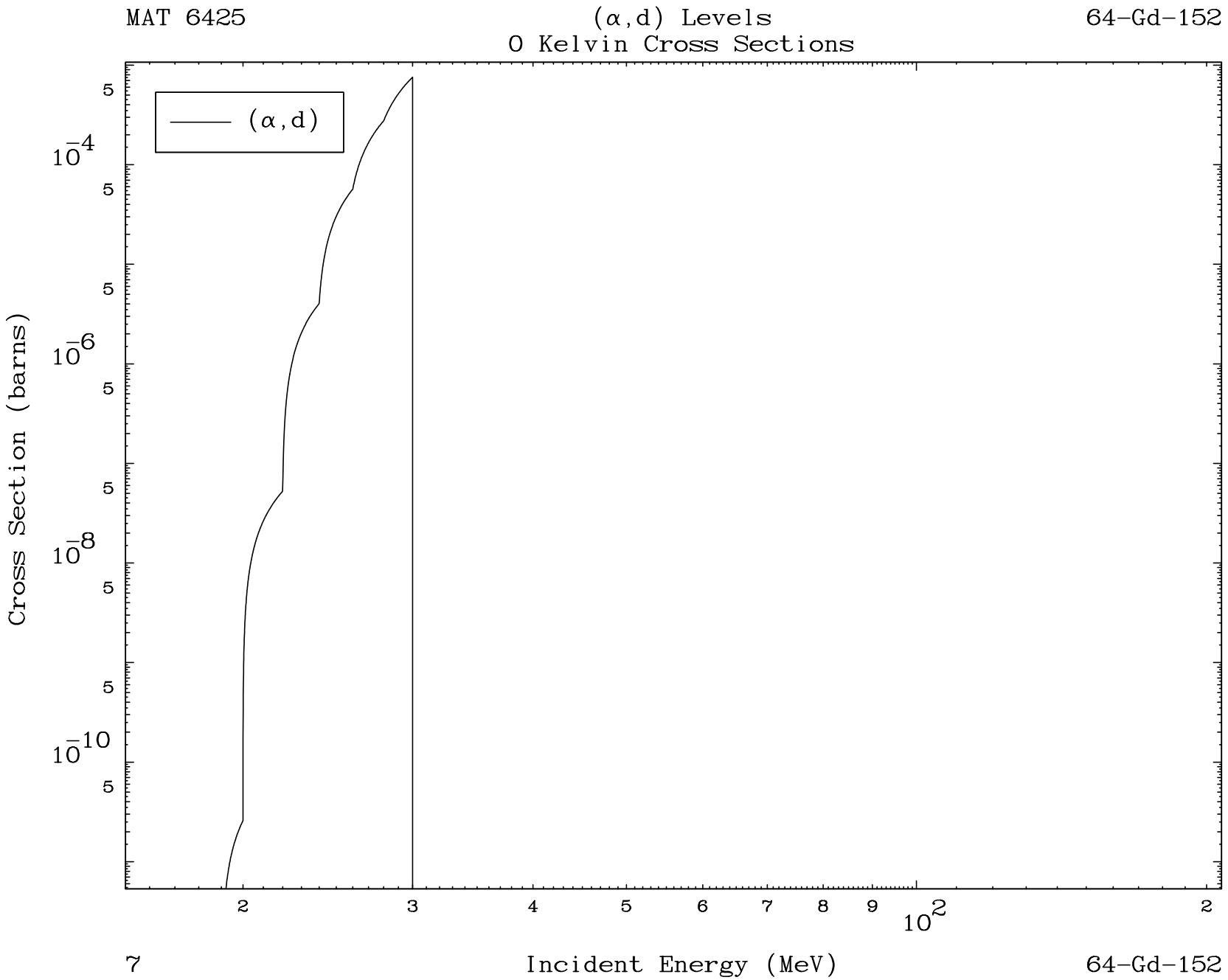

MAT 6425
α Neutron Production
0 Kelvin Cross Sections
64-Gd-152
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
64-Gd-152

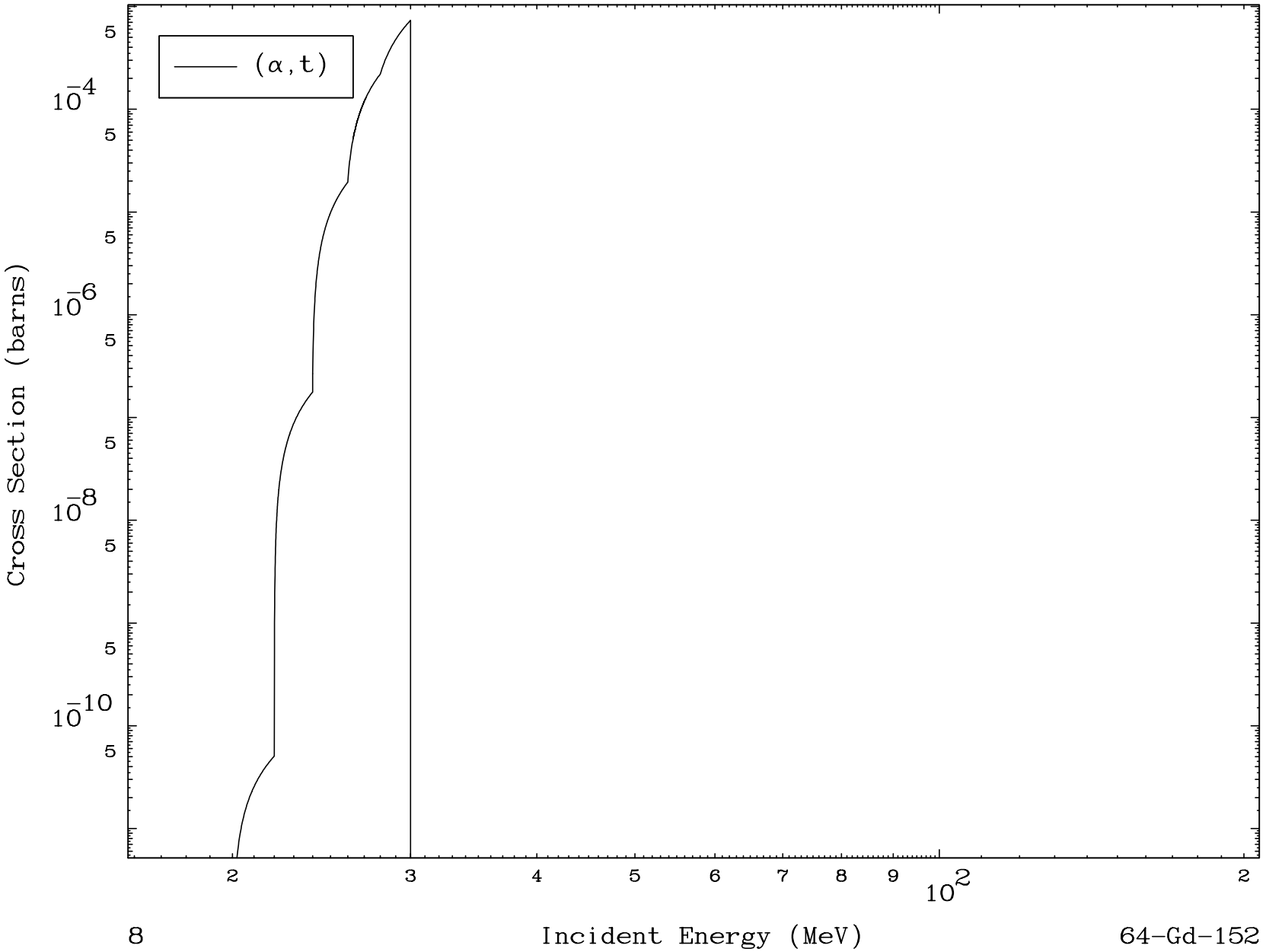

MAT 6425
α Charged Particle
0 Kelvin Cross Sections
64-Gd-152
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,2n) p
(α,p)
(α,d)
Cross Section (barns)
Incident Energy (MeV)
3
64-Gd-152


MAT 6425
α Charged Particle
0 Kelvin Cross Sections
64-Gd-152
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
Cross Section (barns)
Incident Energy (MeV)
4
64-Gd-152

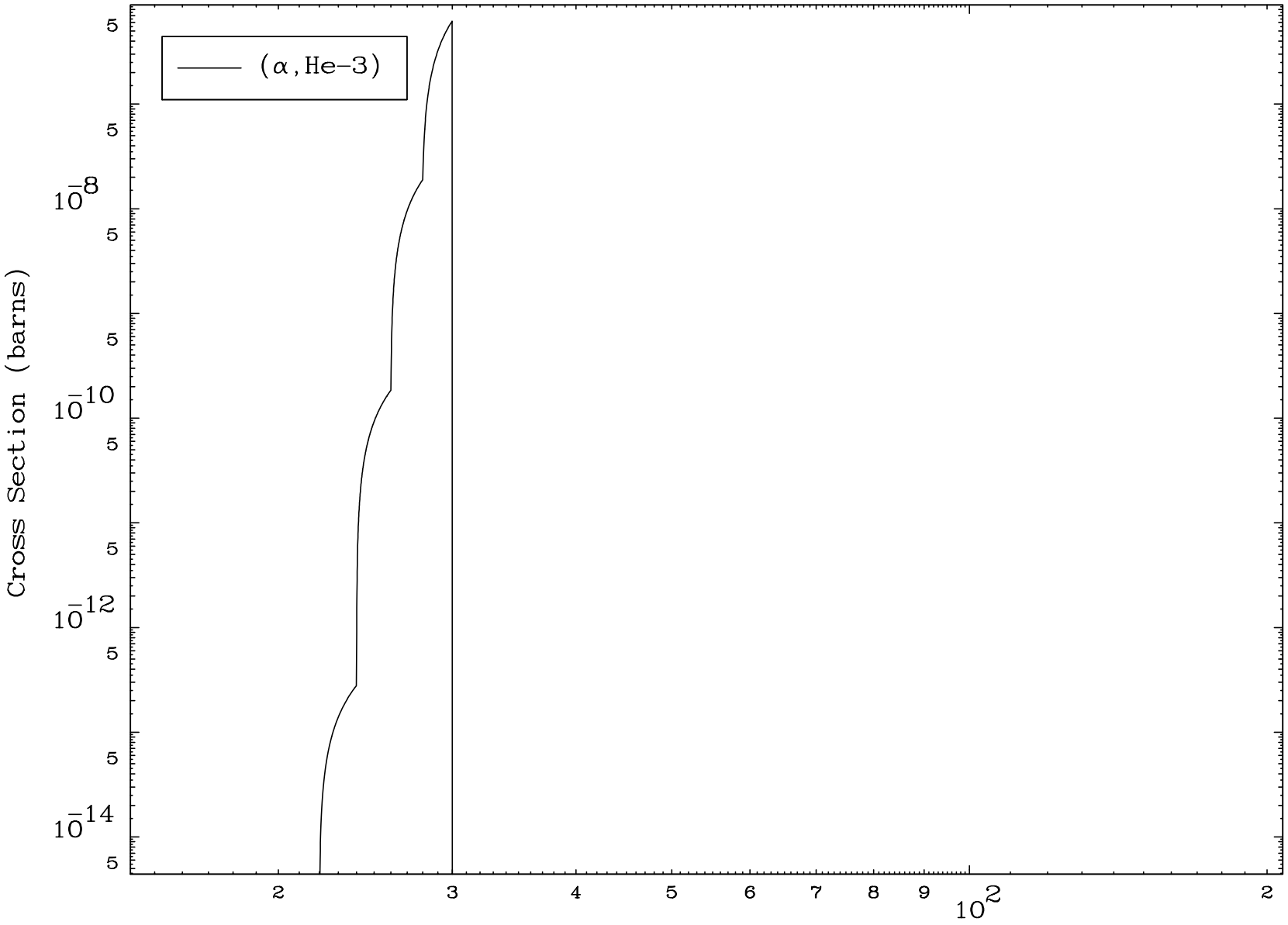

MAT 6425
(α,n') Level
64-Gd-152
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
2
3
4
5
6
7
8
9
10 2
2
5
Incident Energy (MeV)
64-Gd-152

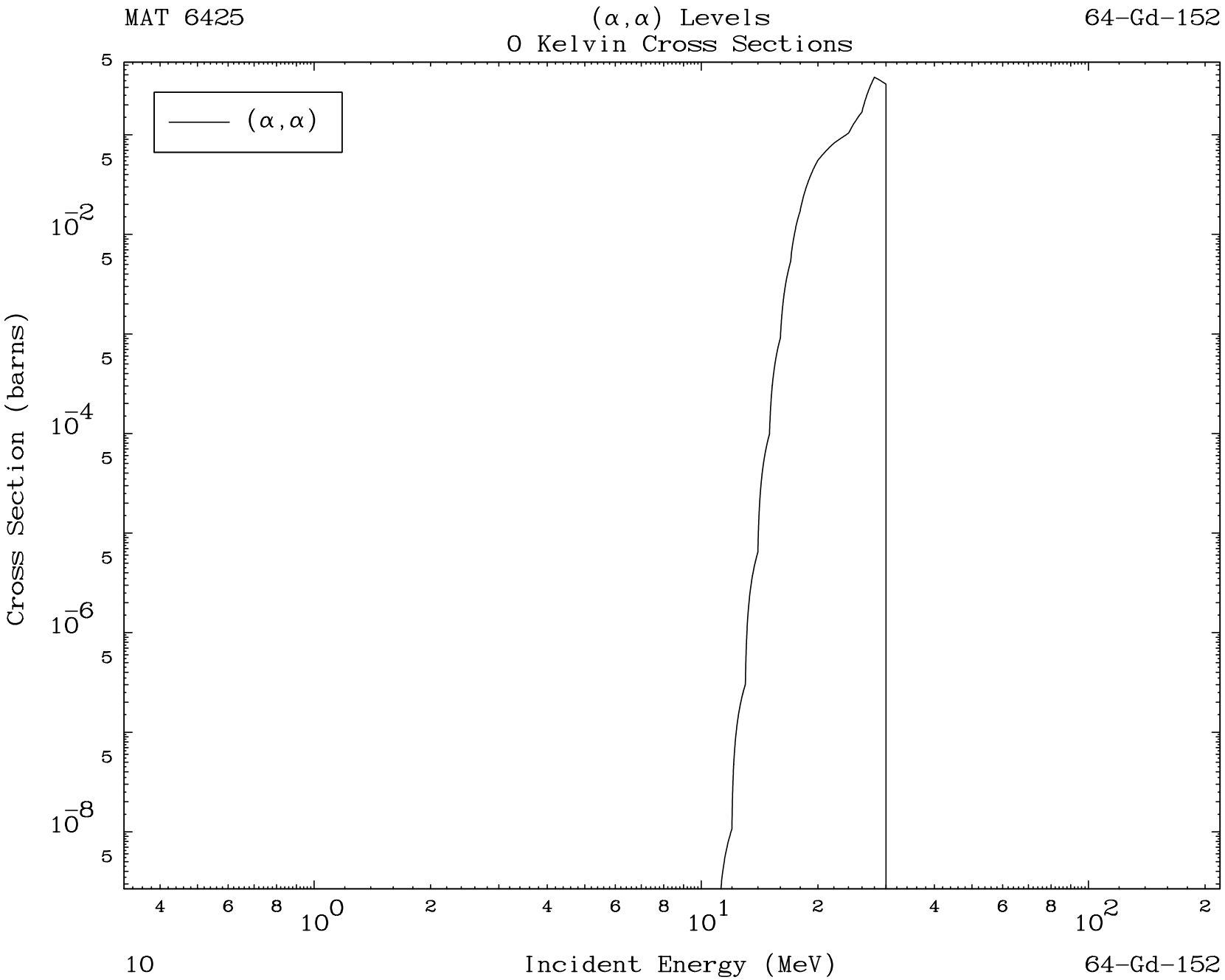

MAT 6425
(α,p) Levels
64-Gd-152
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
64-Gd-152

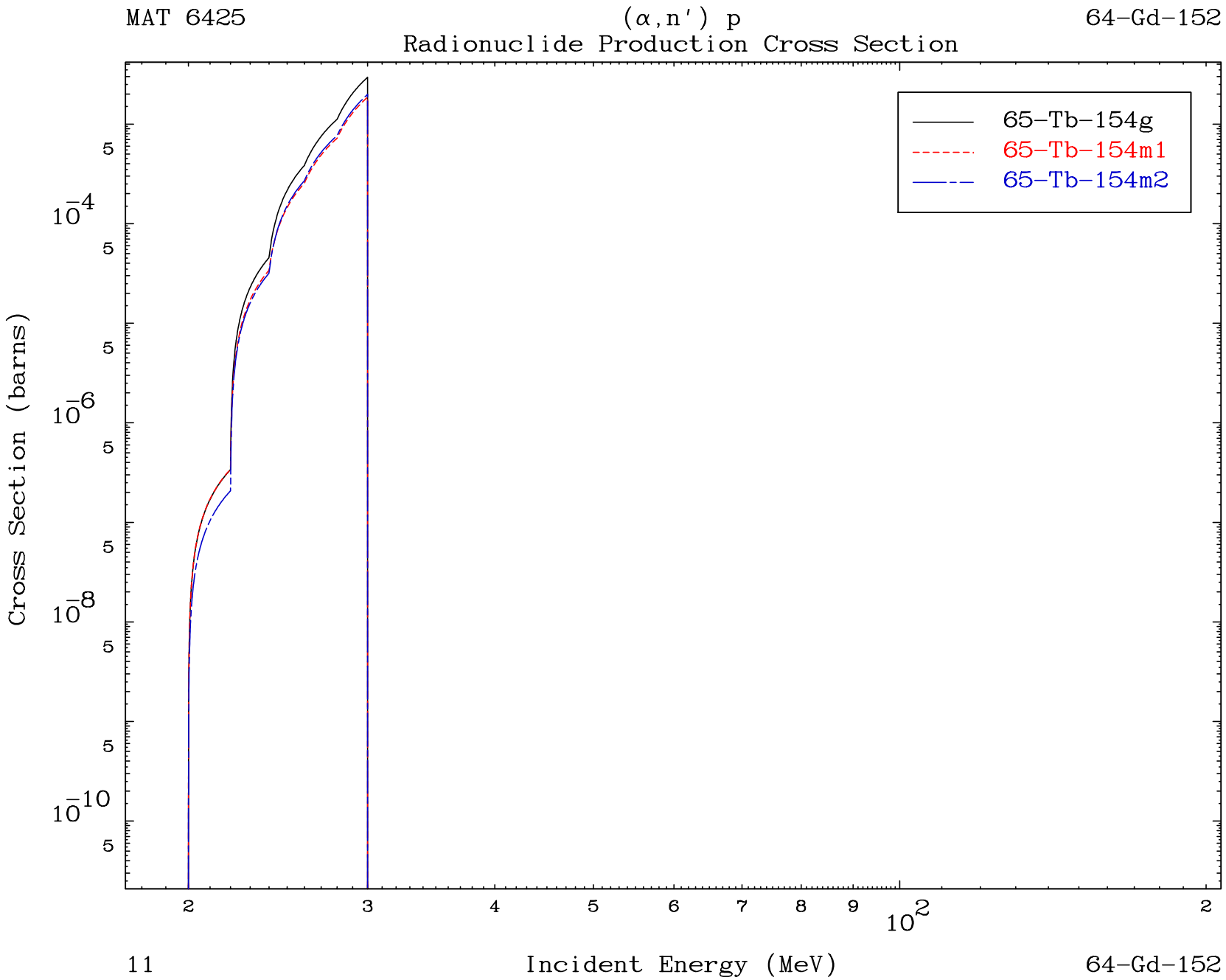

MAT 6425
(α,d) Levels
0 Kelvin Cross Sections
64-Gd-152
(α,d)
Cross Section (barns)
Incident Energy (MeV)
7
64-Gd-152

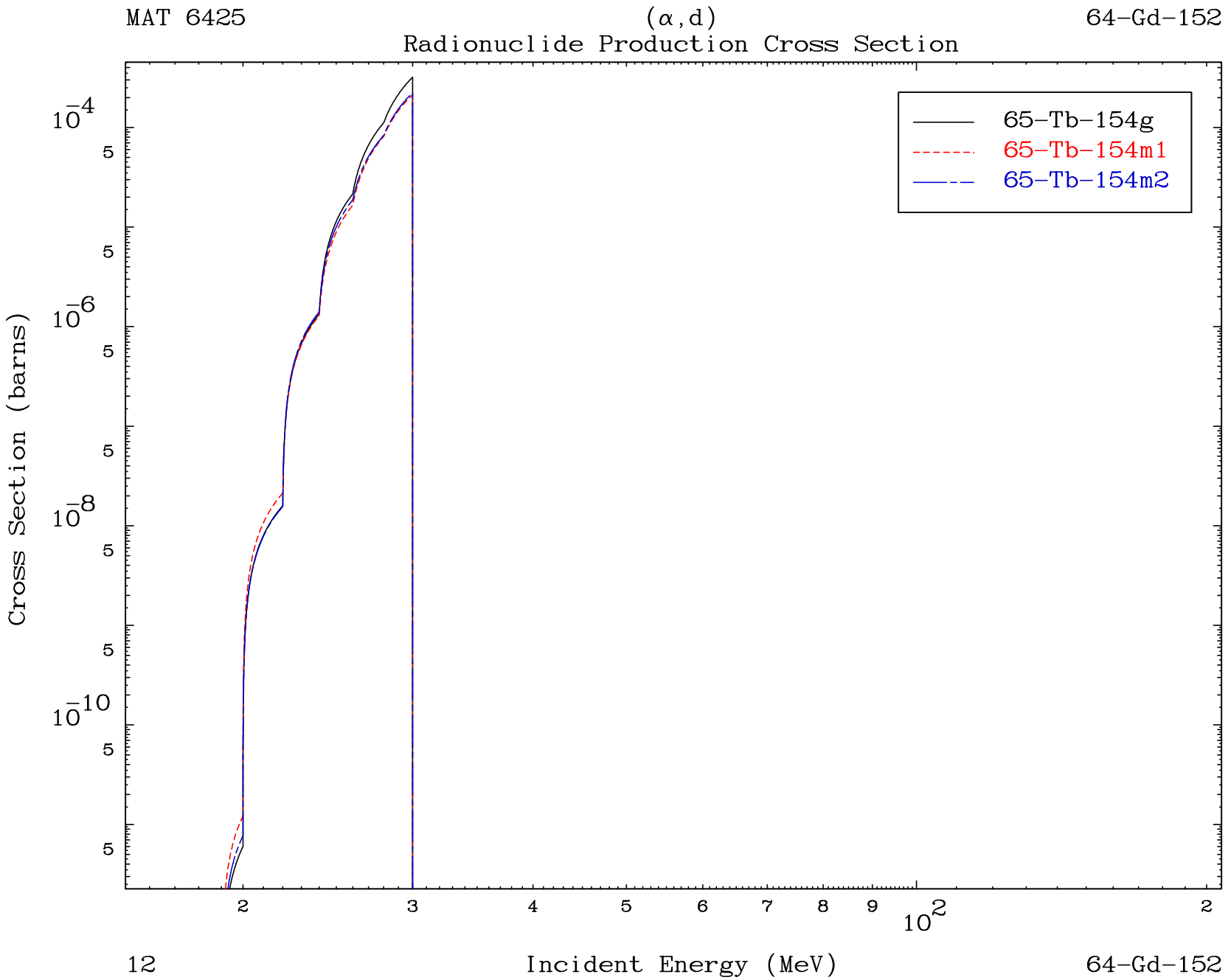

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

0 Kelvin Cross Sections




MAT 6425
(α,α) Levels
64-Gd-152
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-152


MAT 6425
(α,n') p
64-Gd-152
Radionuclide Production Cross Section
65-Tb-154g
65-Tb-154m1
65-Tb-154m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
64-Gd-152


MAT 6425
(α,d)
64-Gd-152
Radionuclide Production Cross Section
65-Tb-154g
65-Tb-154m1
65-Tb-154m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
64-Gd-152