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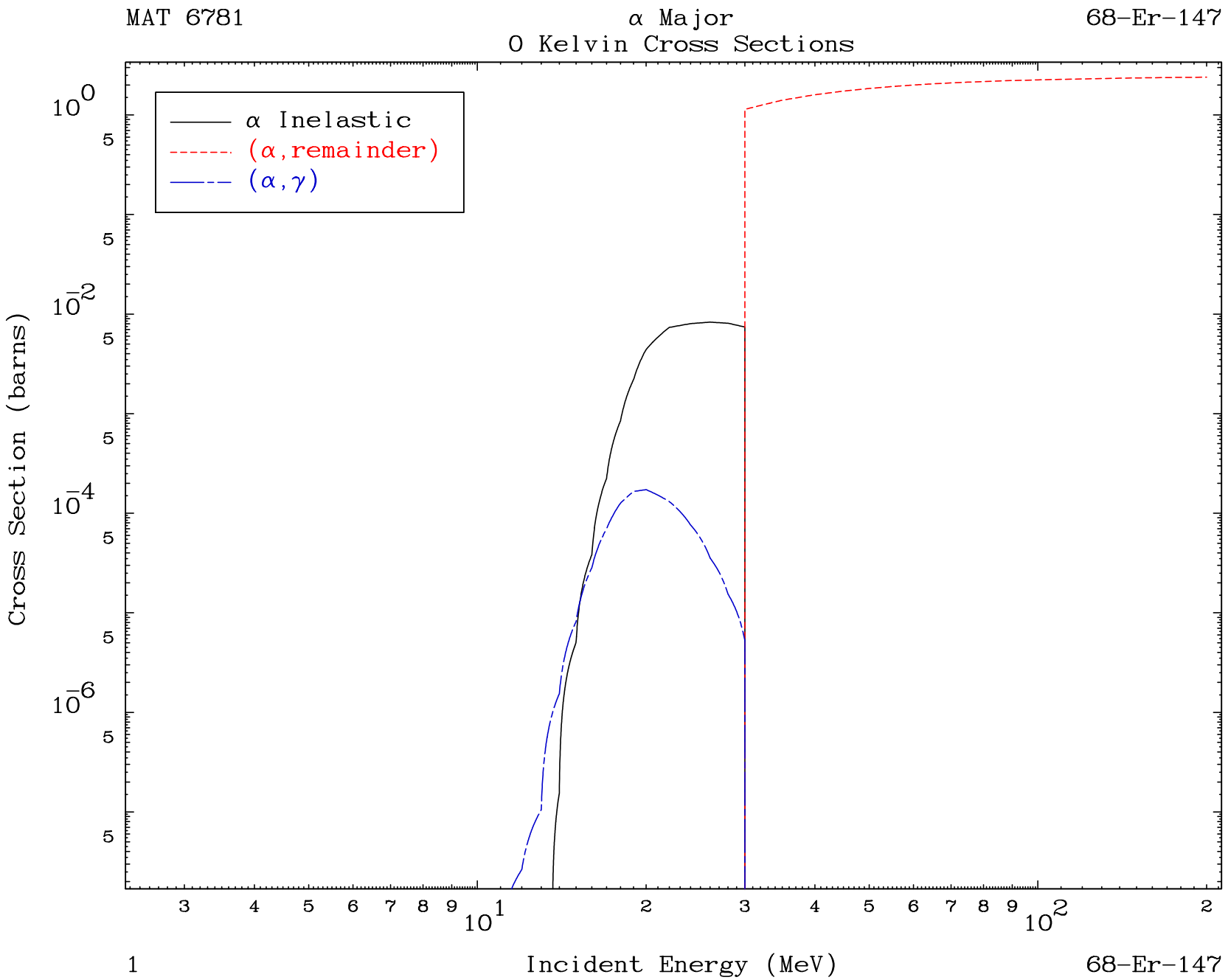
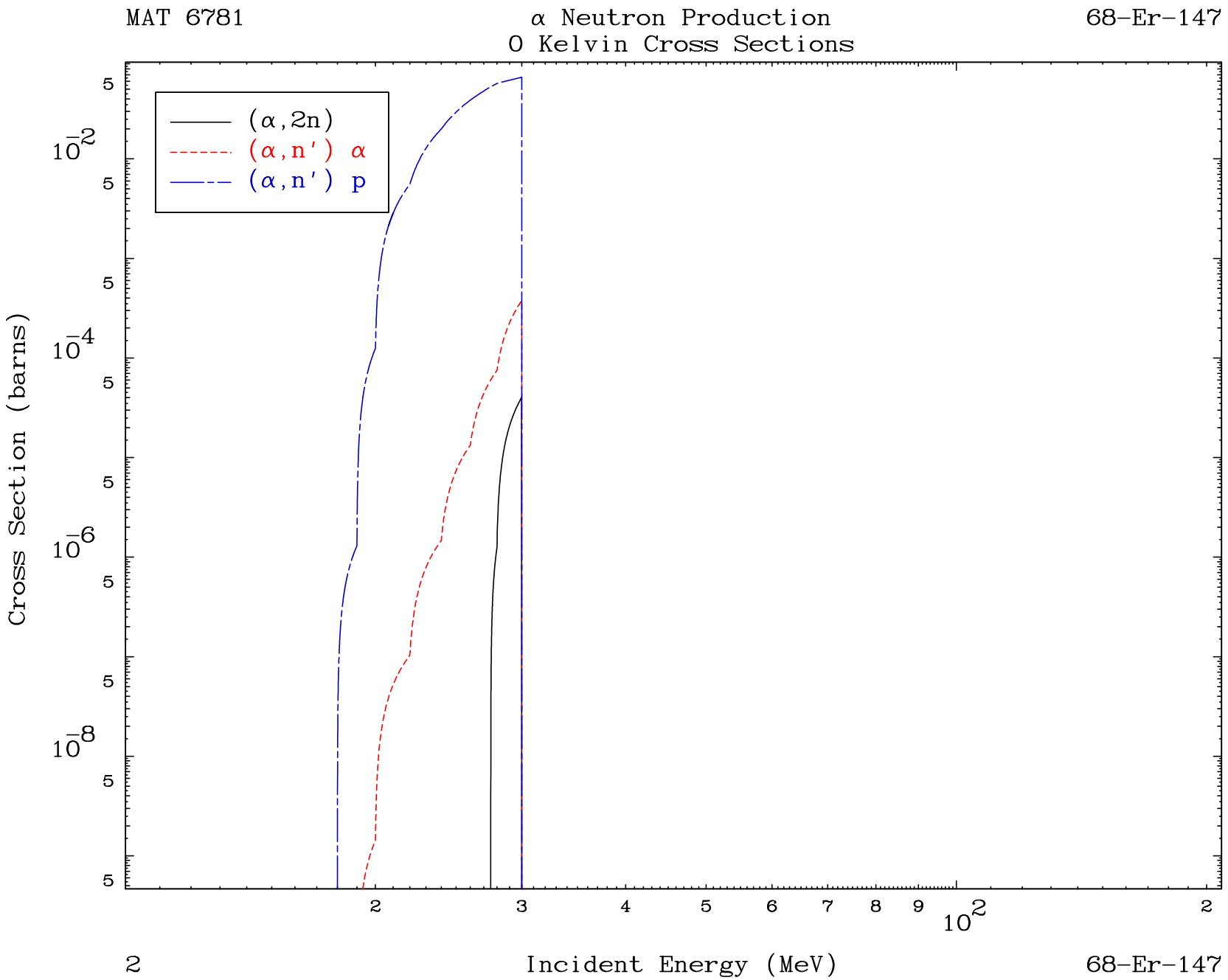
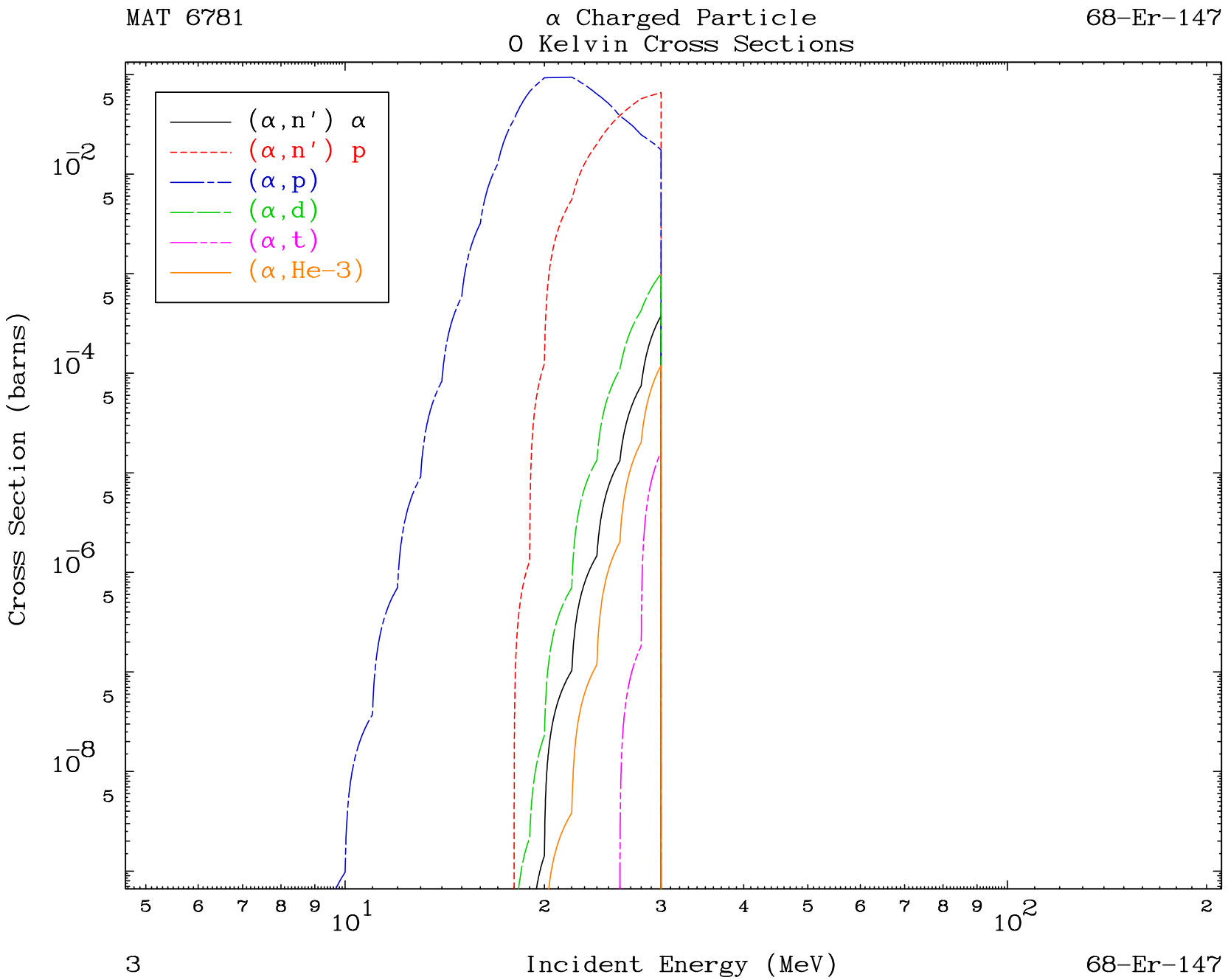
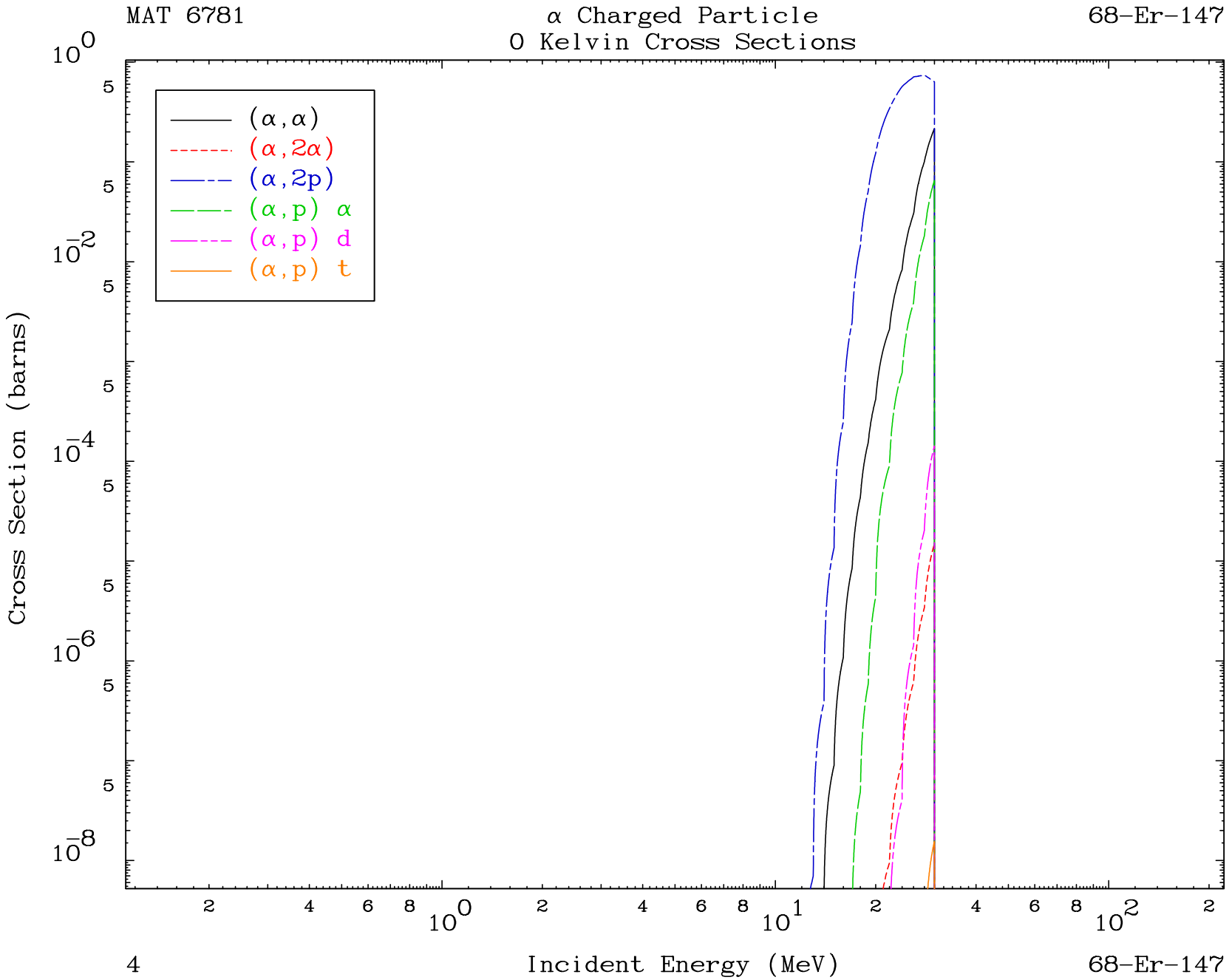
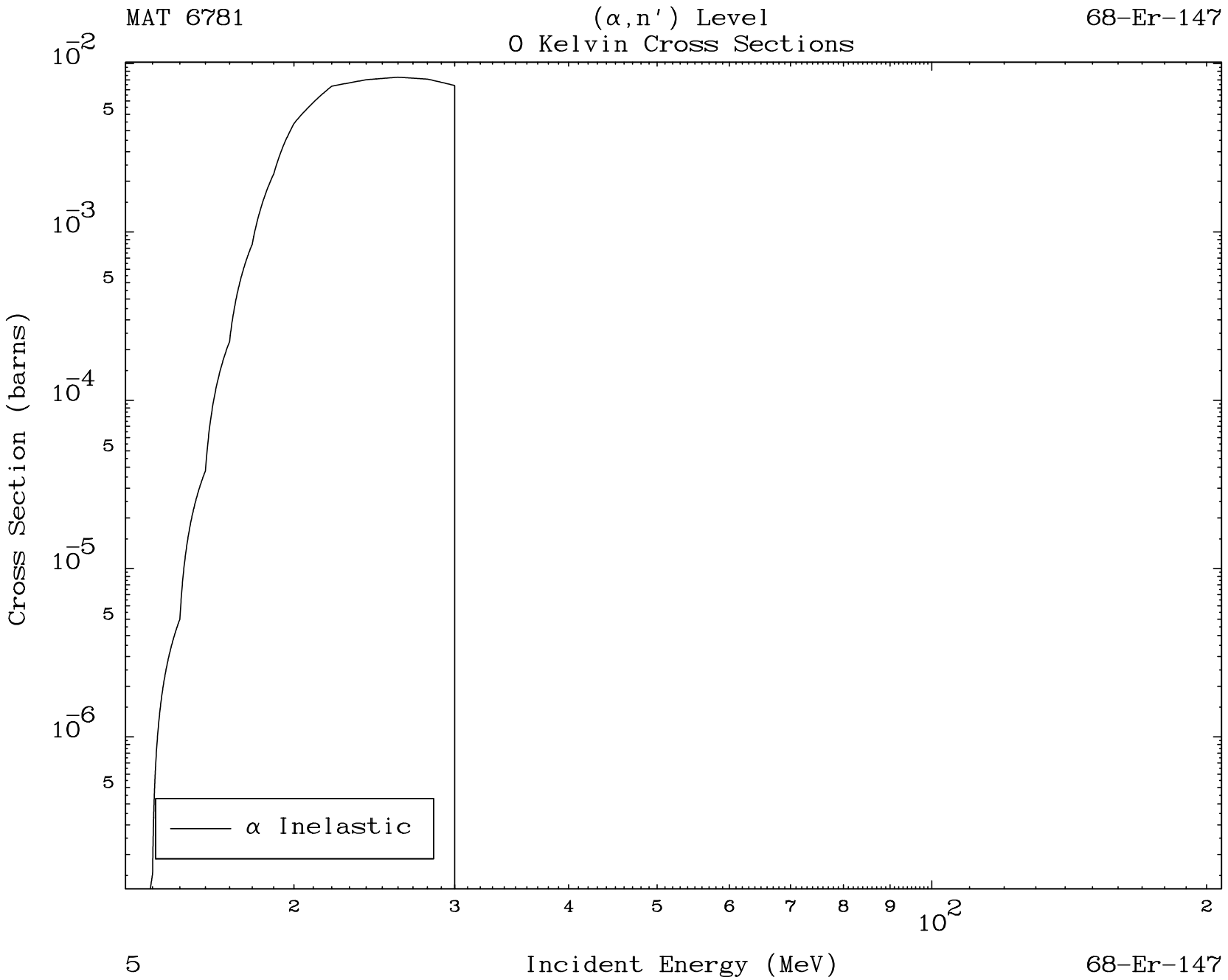
Press Mouse Button to Start

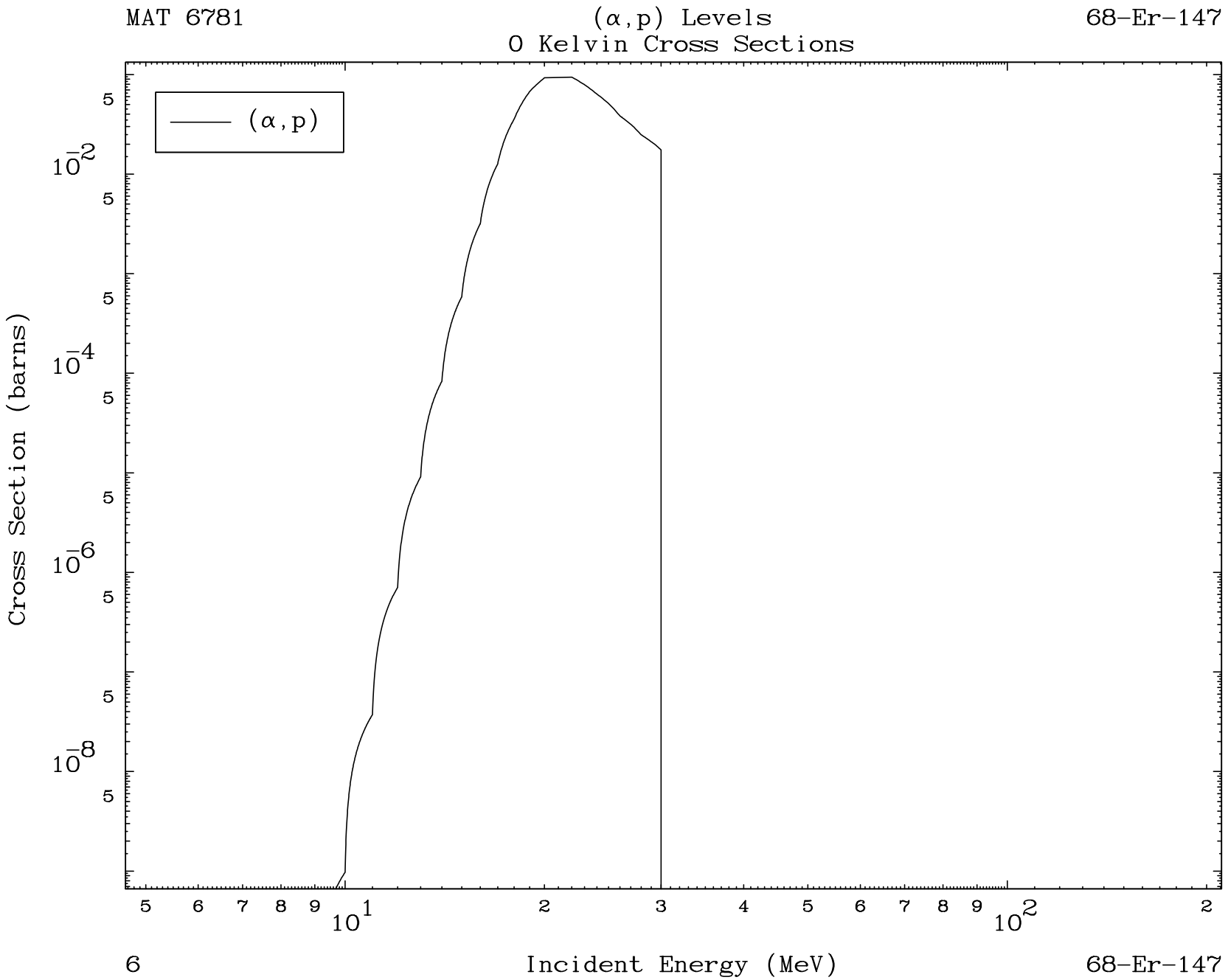

MAT 6781
α Major
68-Er-147
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
68-Er-147

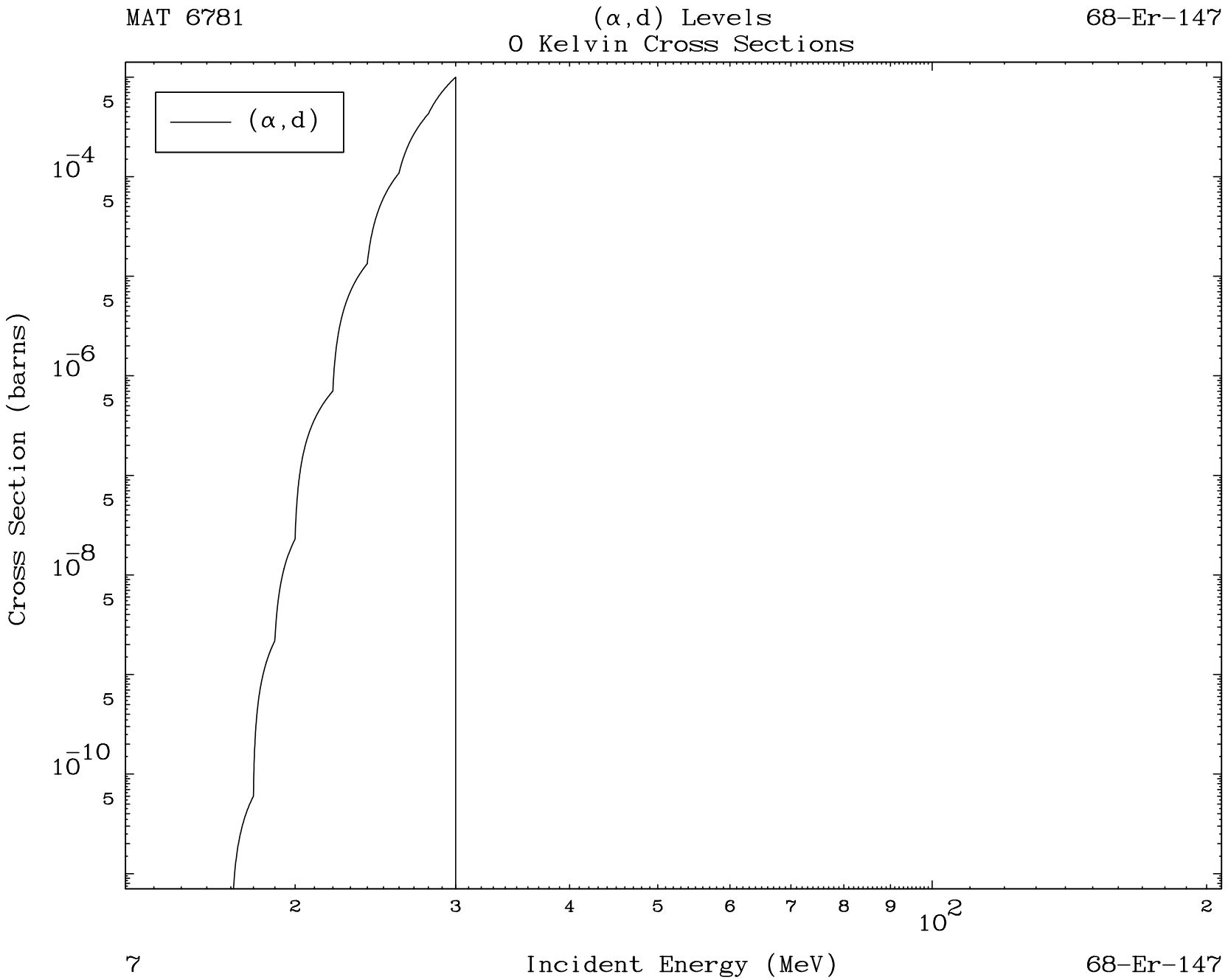

MAT 6781
α Neutron Production
0 Kelvin Cross Sections
68-Er-147
(α,2n)
(α,n') α
(α,n') p
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
2
3
4
5
6
7
8
9
10 2
2
68-Er-147

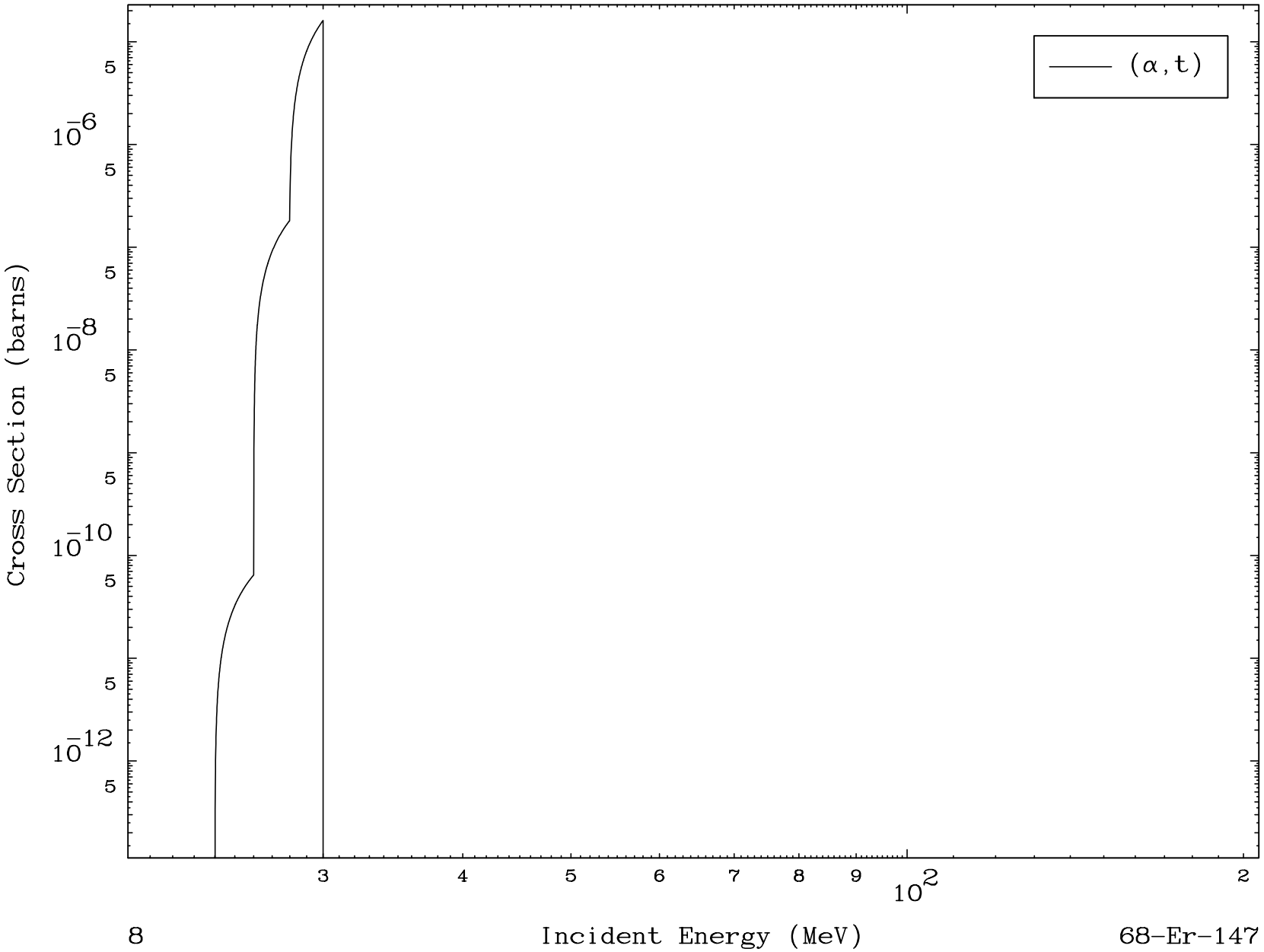

MAT 6781
α Charged Particle
0 Kelvin Cross Sections
68-Er-147
(α,n') α
(α,n') p
(α,p)
(α,d)
(α,t)
(α,He-3)
Cross Section (barns)
Incident Energy (MeV)
3
68-Er-147

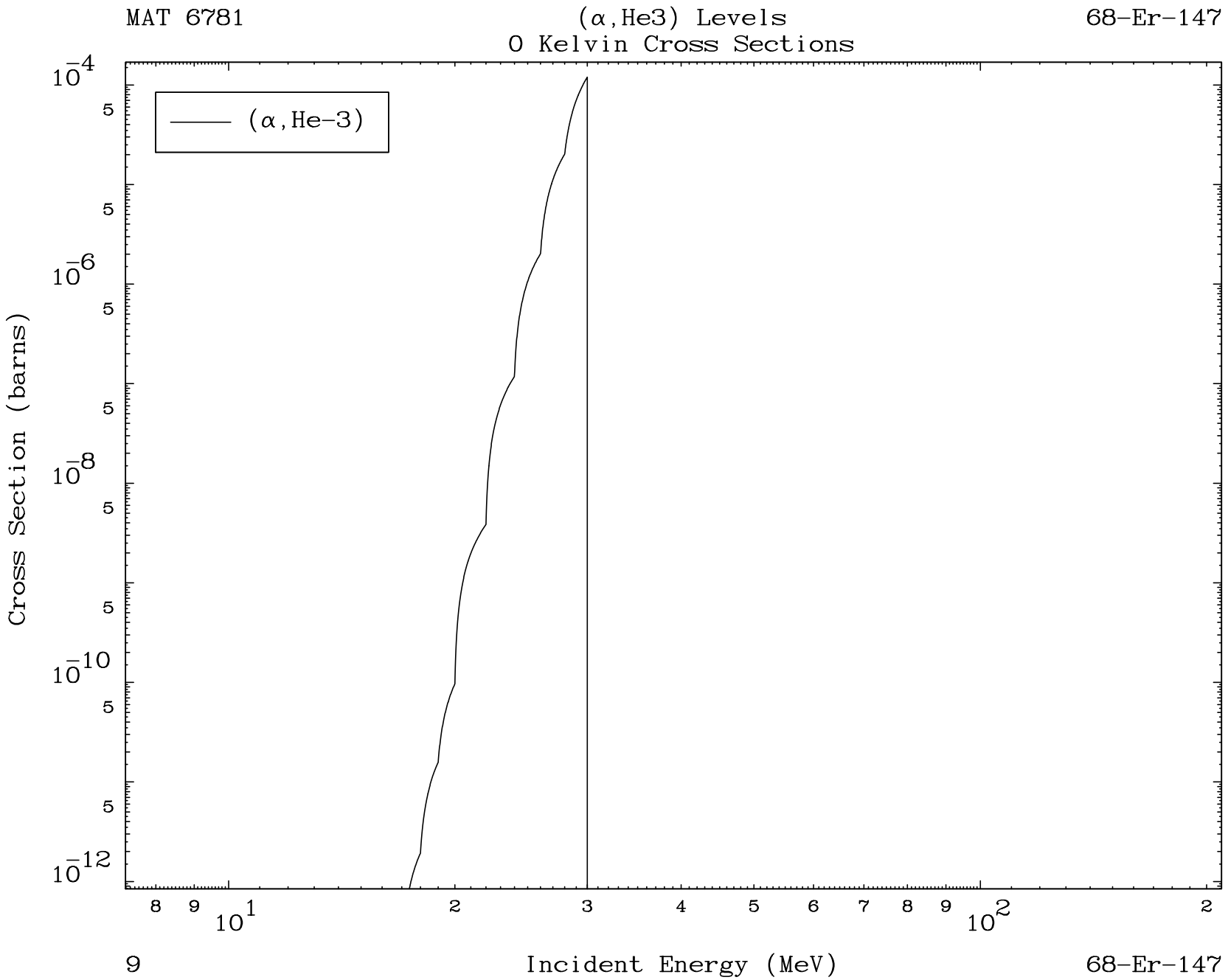

MAT 6781
α Charged Particle
0 Kelvin Cross Sections
68-Er-147
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
68-Er-147

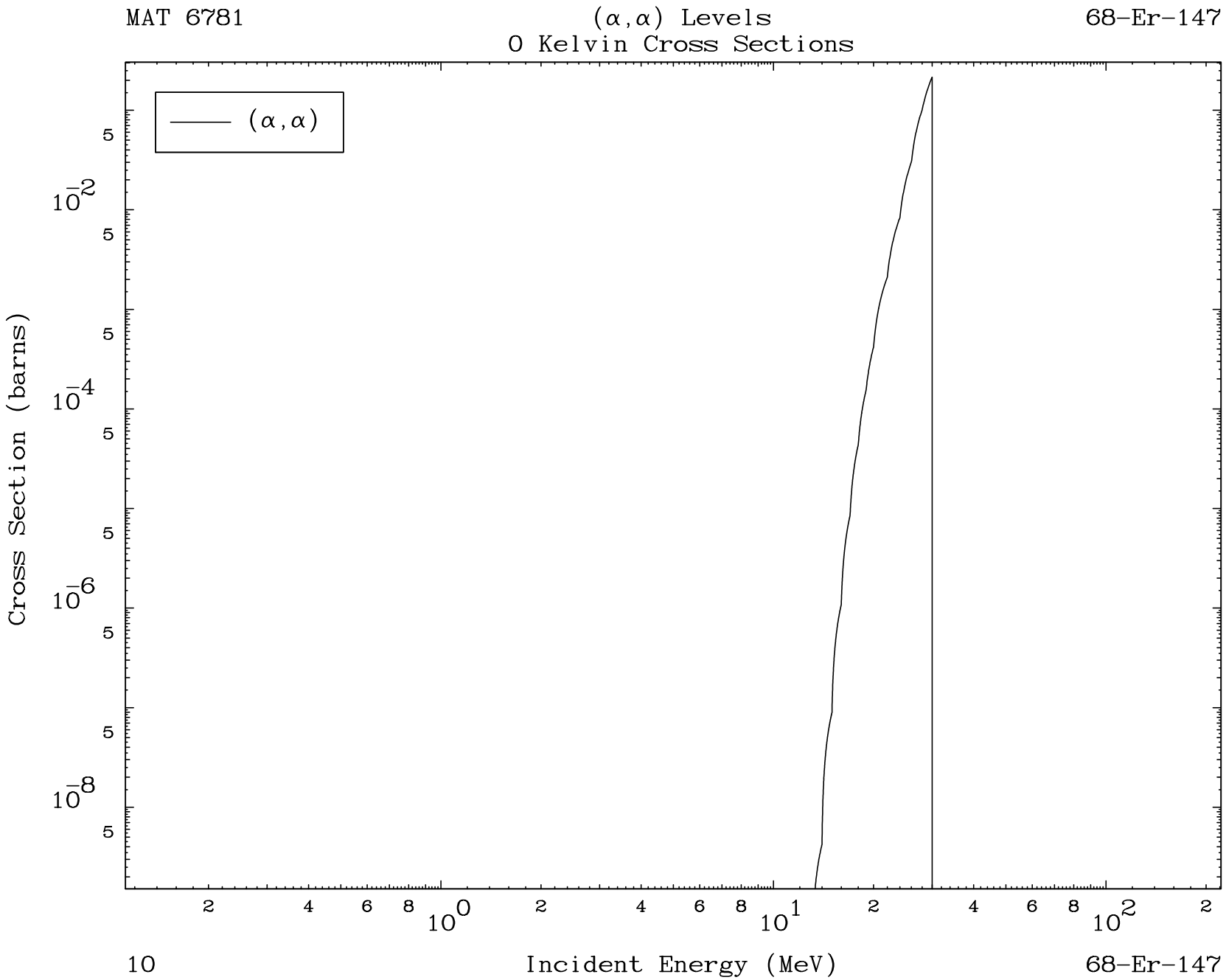

MAT 6781
(α,n') Level
68-Er-147
0 Kelvin Cross Sections
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
10-6
5
α Inelastic
2
3
4
5
6
7
8
9
10 2
2
5
Incident Energy (MeV)
68-Er-147

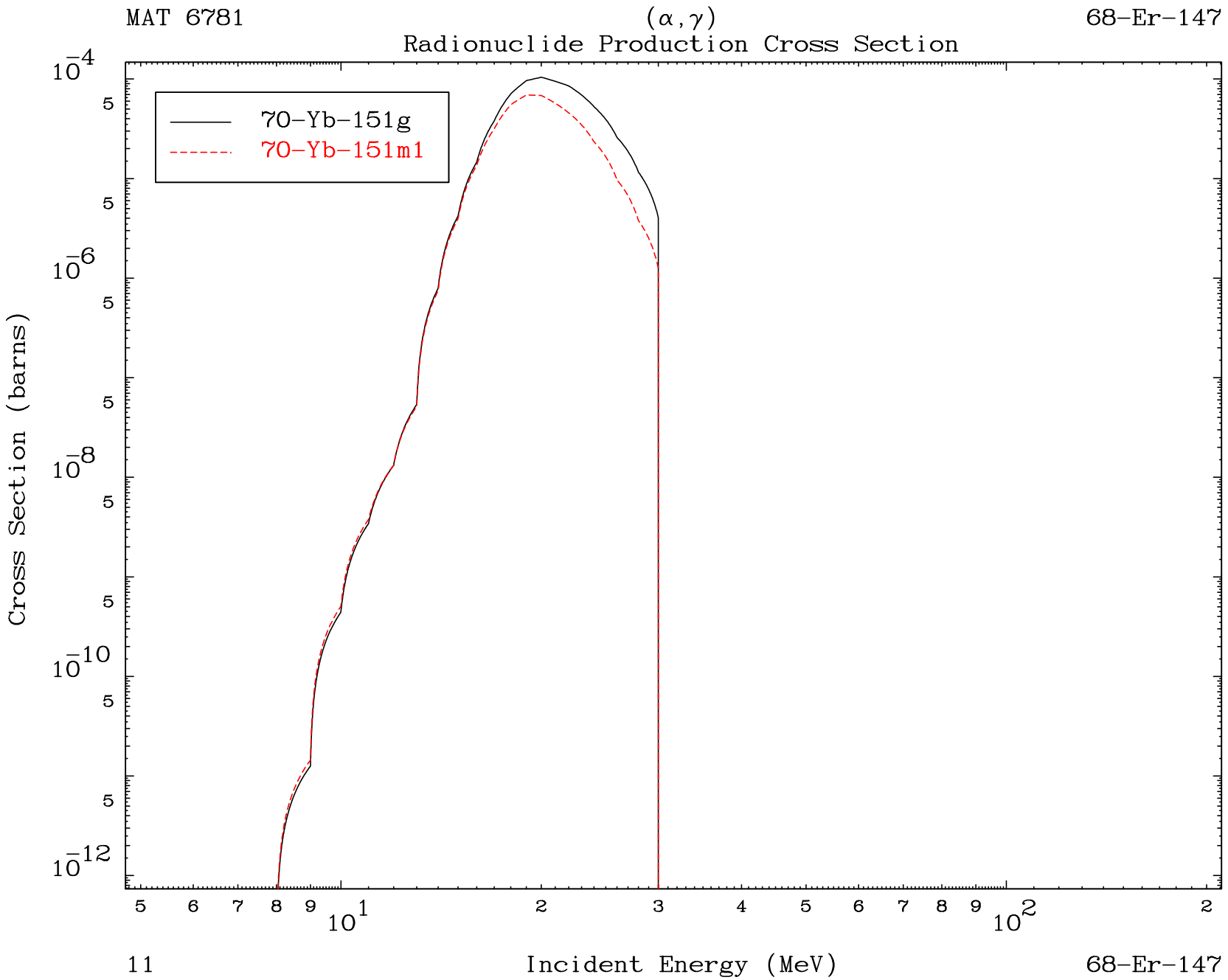

MAT 6781
(α,p) Levels
0 Kelvin Cross Sections
68-Er-147
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
68-Er-147

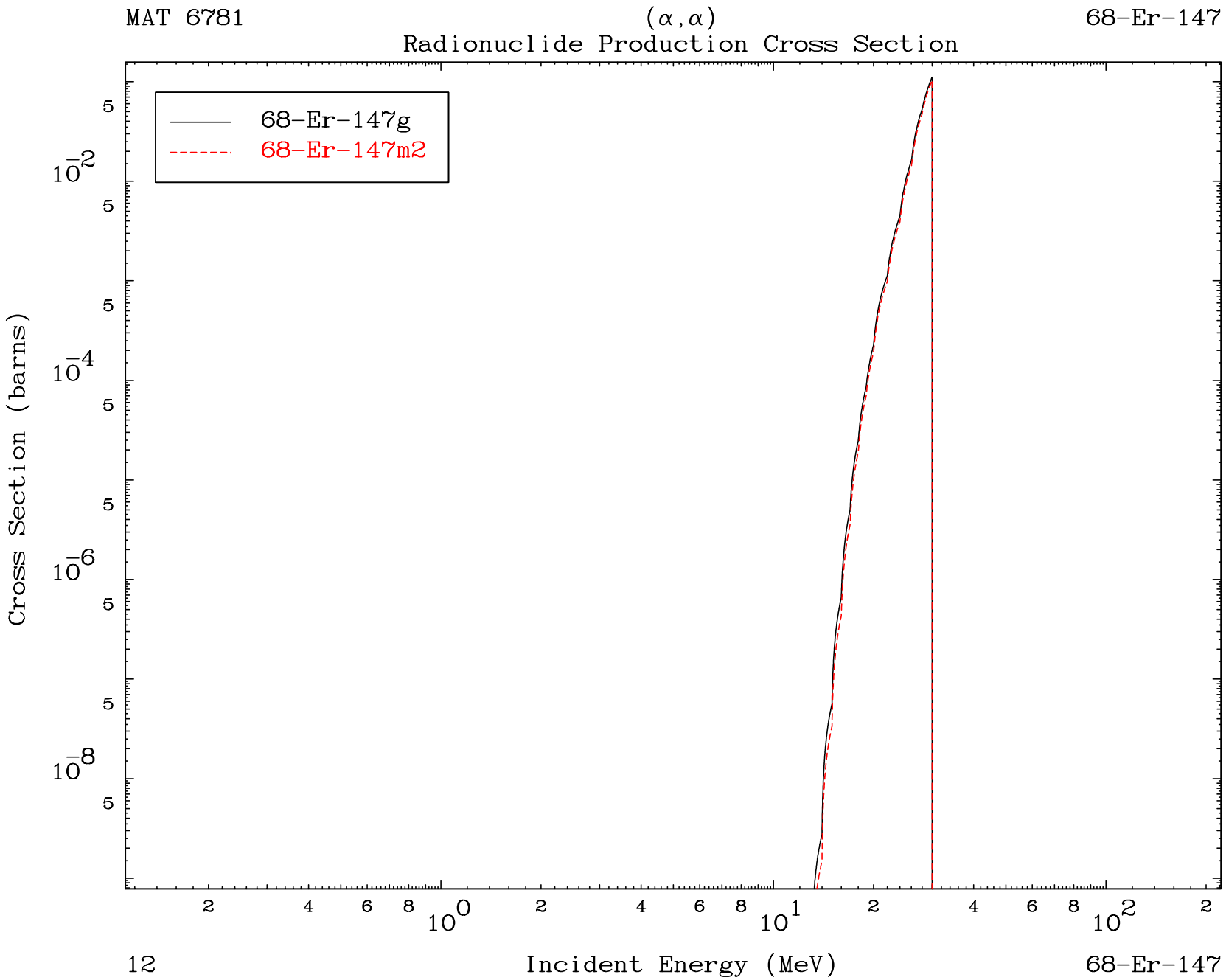

MAT 6781
(α,d) Levels
68-Er-147
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
68-Er-147

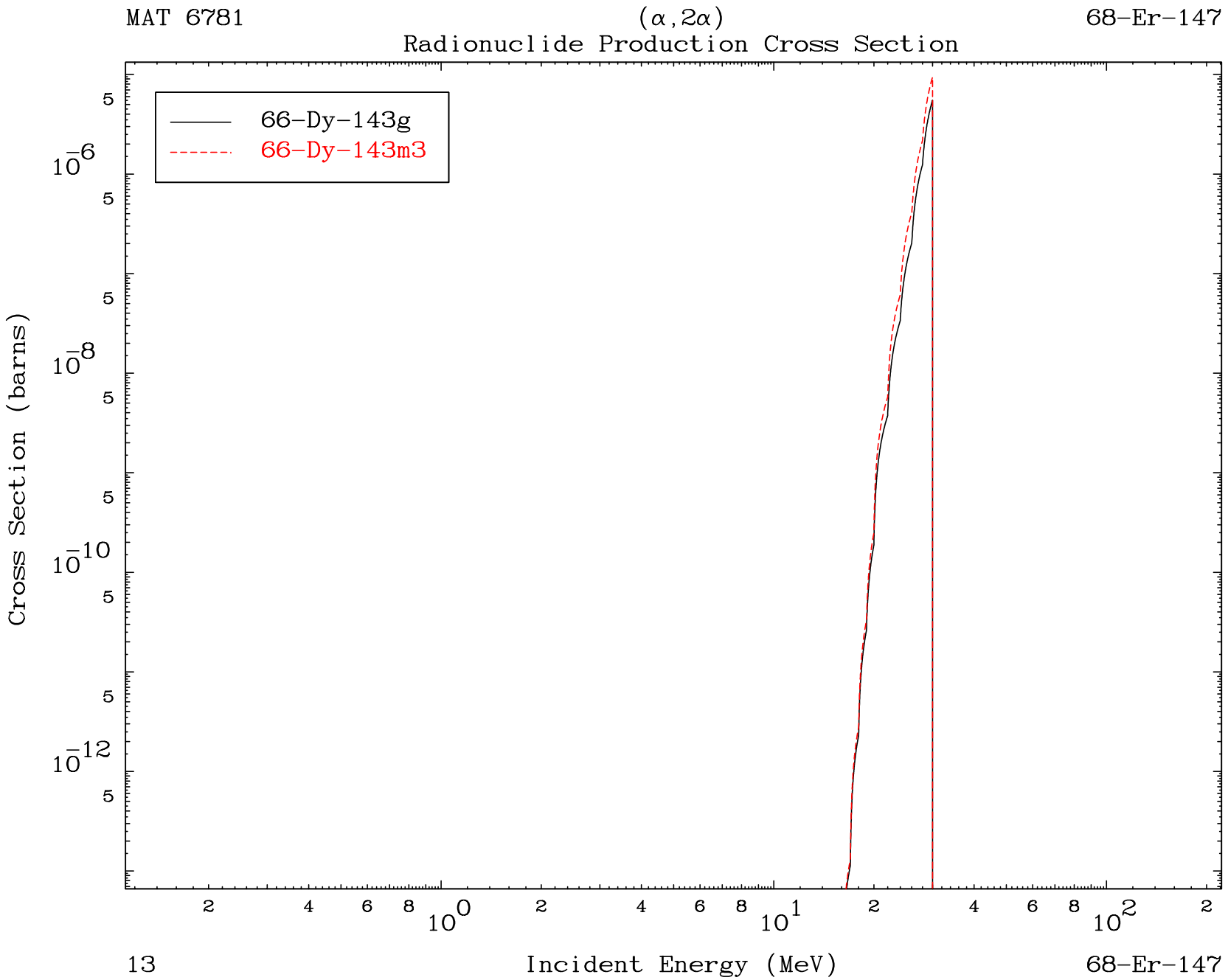

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

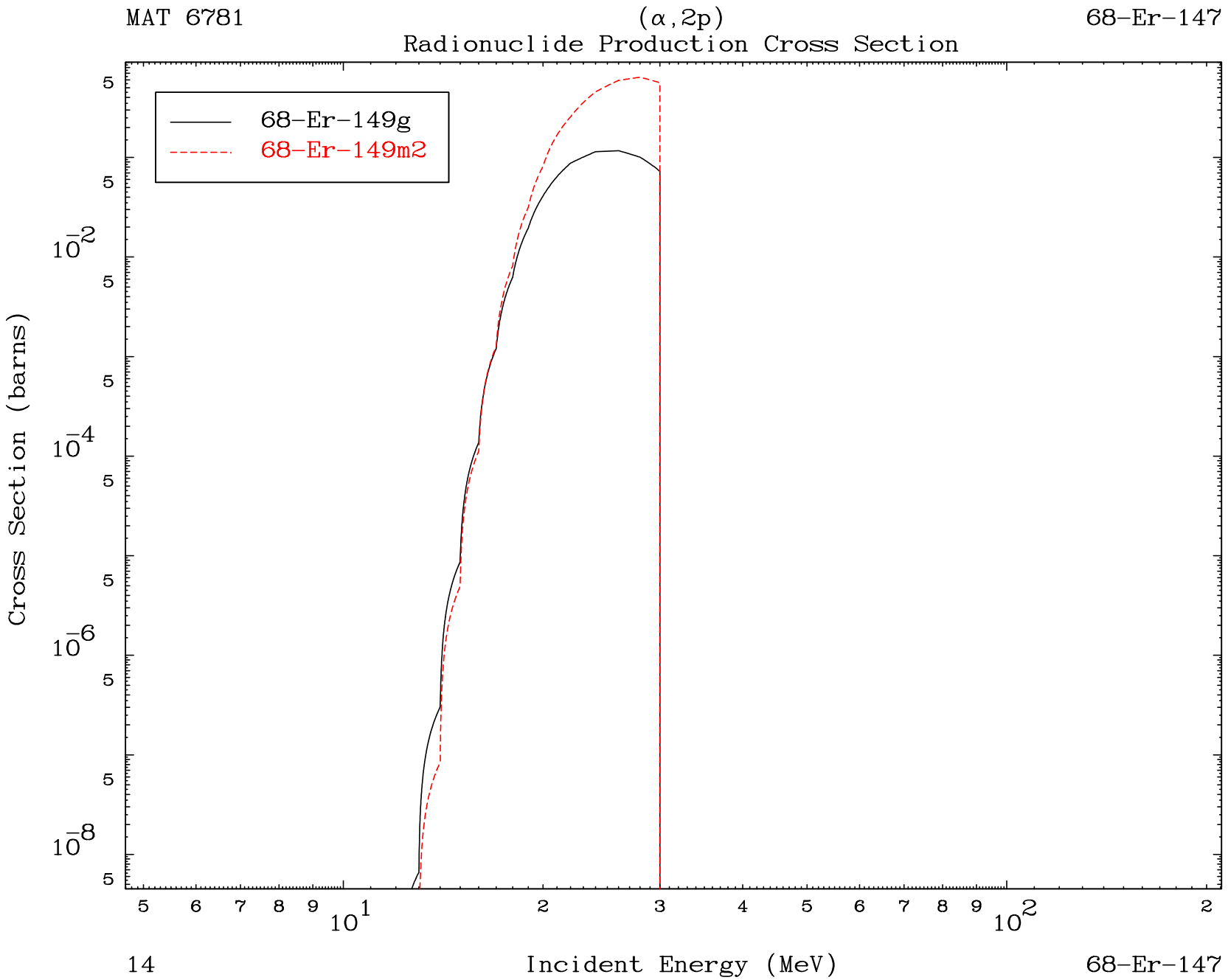

MAT 6781
(α,He3) Levels
68-Er-147
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
10-12
5
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
9
68-Er-147

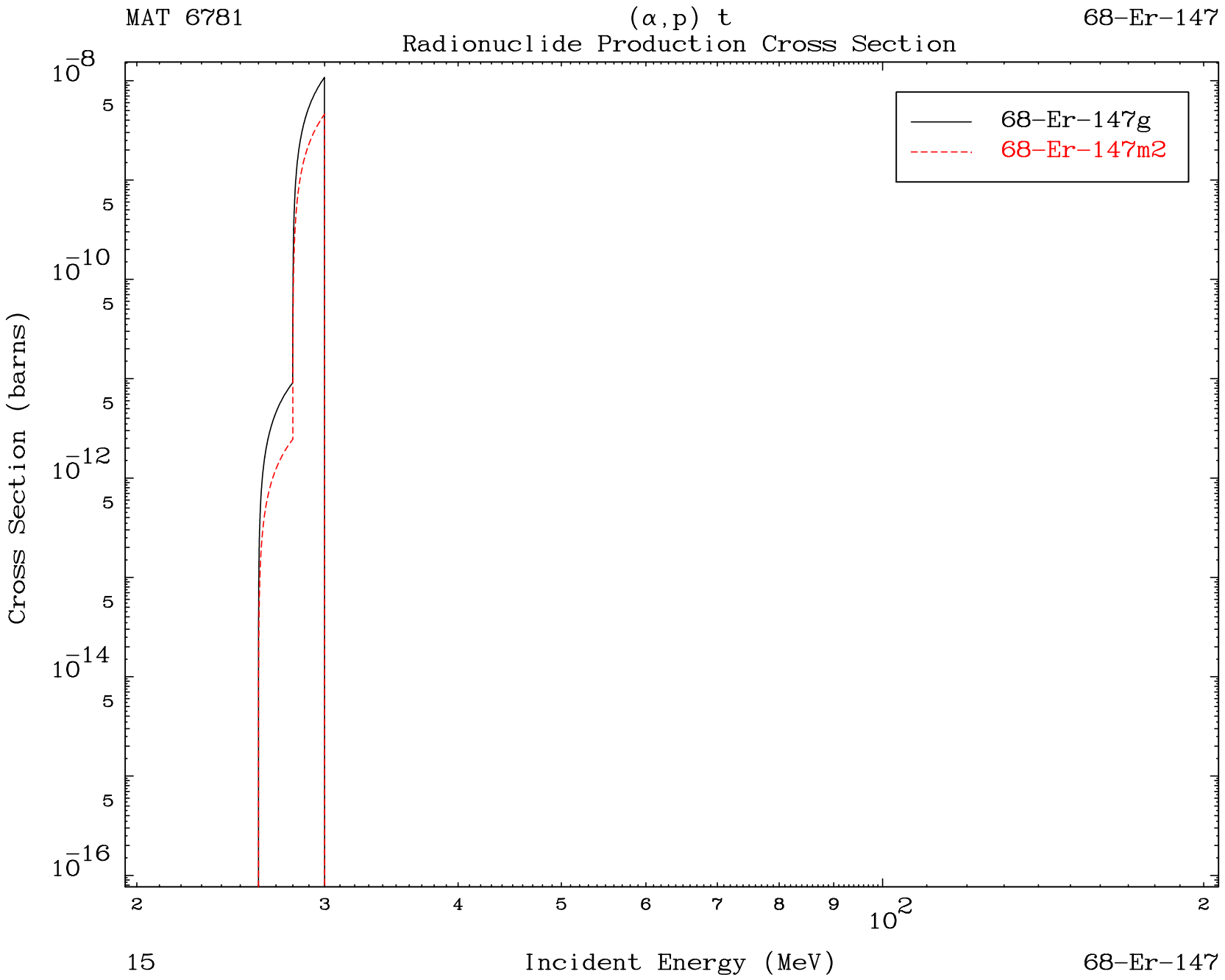

MAT 6781
(α,α) Levels
68-Er-147
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
68-Er-147


MAT 6781
(α,γ)
68-Er-147
Radionuclide Production Cross Section
70-Yb-151g
70-Yb-151m1
Cross Section (barns)
Incident Energy (MeV)
11
68-Er-147


MAT 6781
(α,α)
68-Er-147
Radionuclide Production Cross Section
68-Er-147g
68-Er-147m2
Cross Section (barns)
Incident Energy (MeV)
12
68-Er-147


MAT 6781
(α,2α)
68-Er-147
Radionuclide Production Cross Section
66-Dy-143g
66-Dy-143m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
13
68-Er-147


MAT 6781
(α,2p)
68-Er-147
Radionuclide Production Cross Section
68-Er-149g
68-Er-149m2
Cross Section (barns)
Incident Energy (MeV)
14
68-Er-147


MAT 6781
(α,p) t
68-Er-147
Radionuclide Production Cross Section
68-Er-147g
68-Er-147m2
Cross Section (barns)
Incident Energy (MeV)
15
68-Er-147