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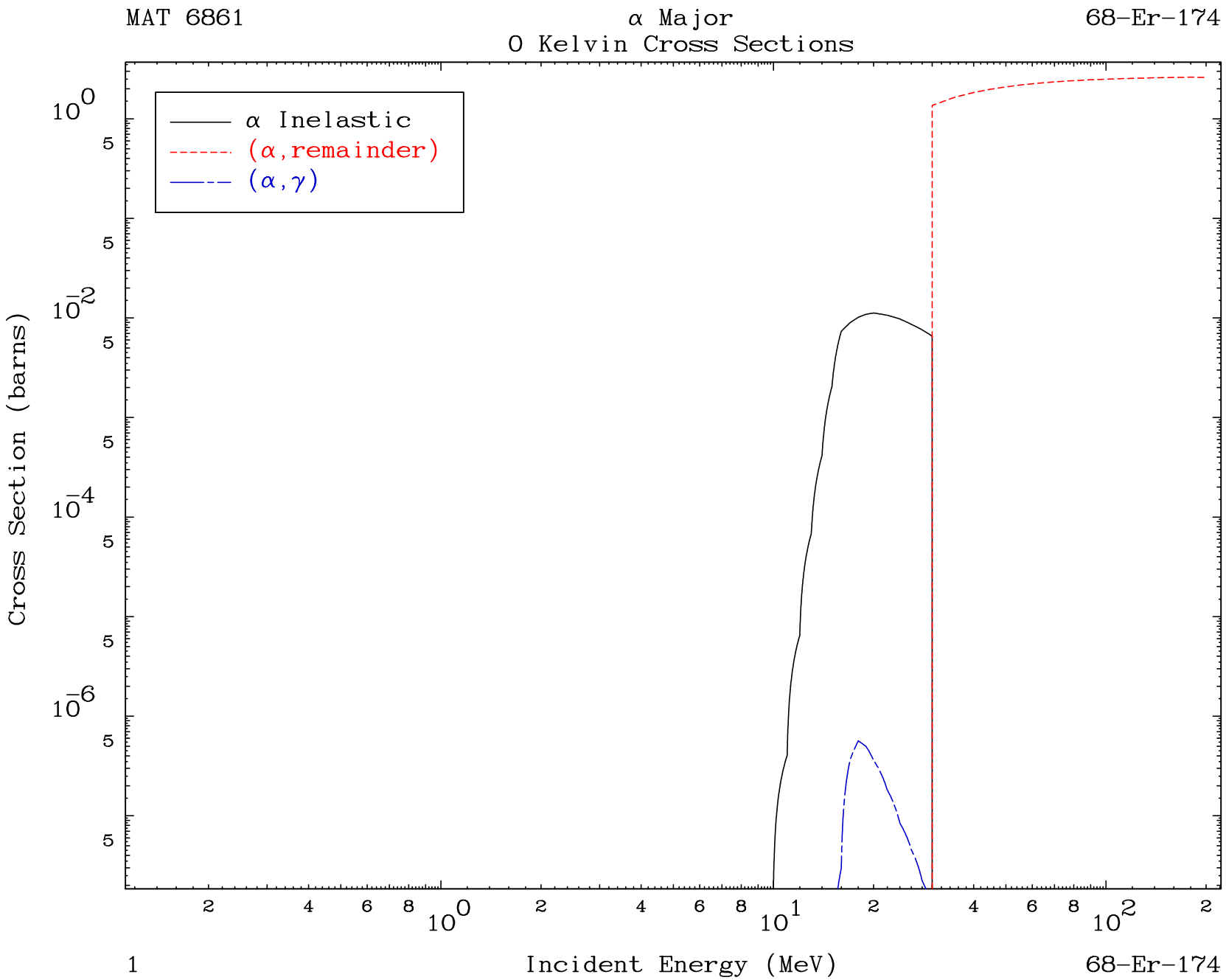
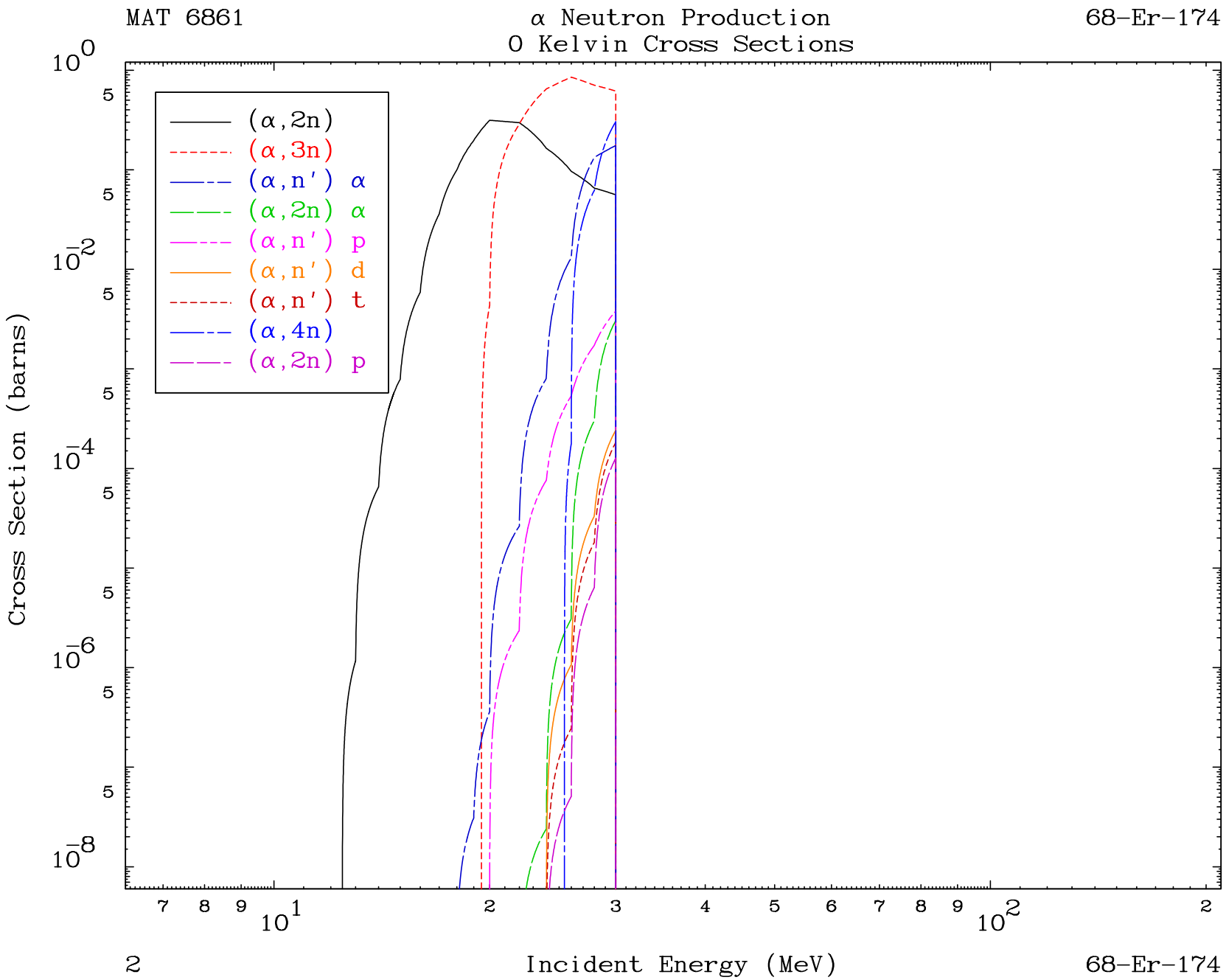
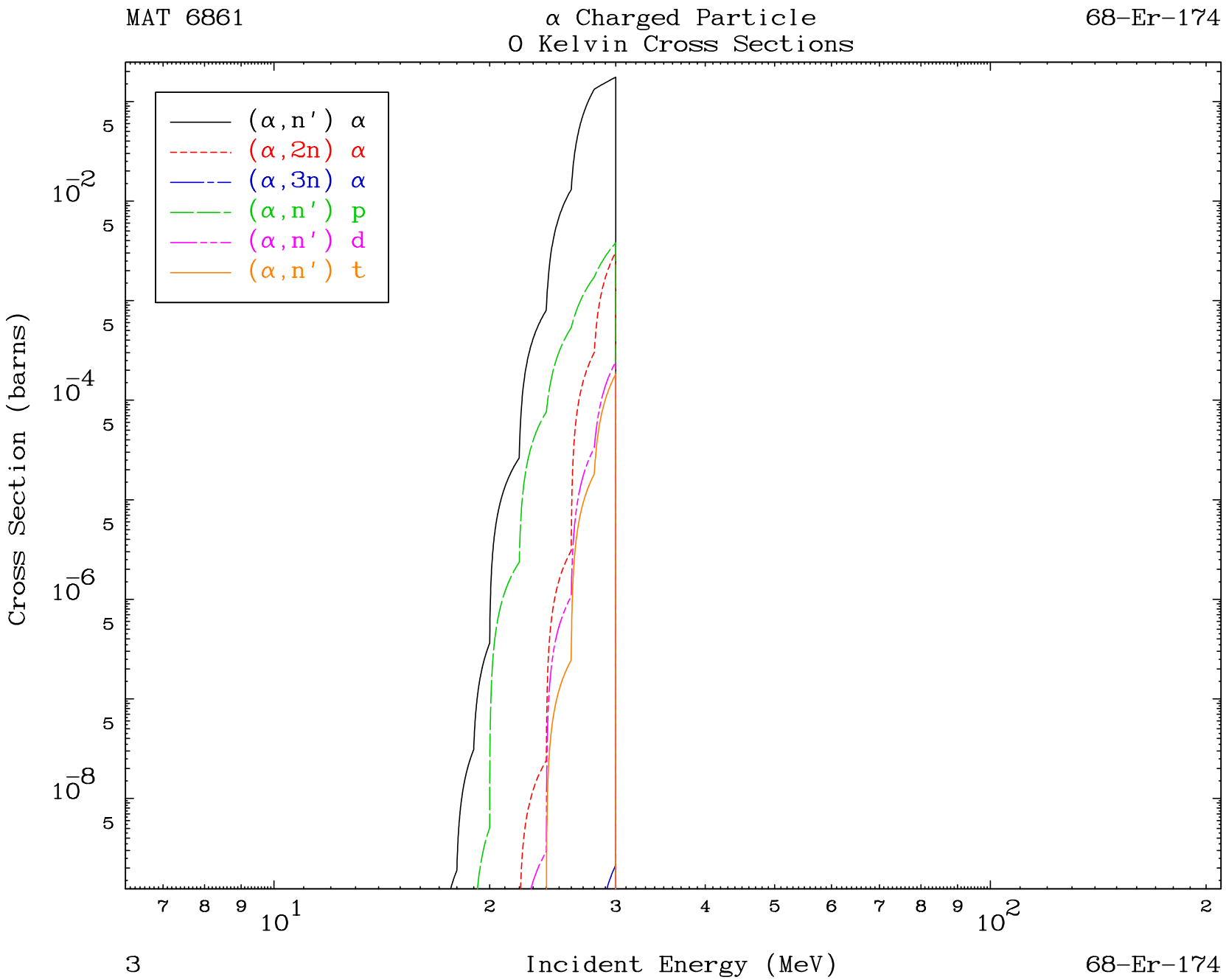
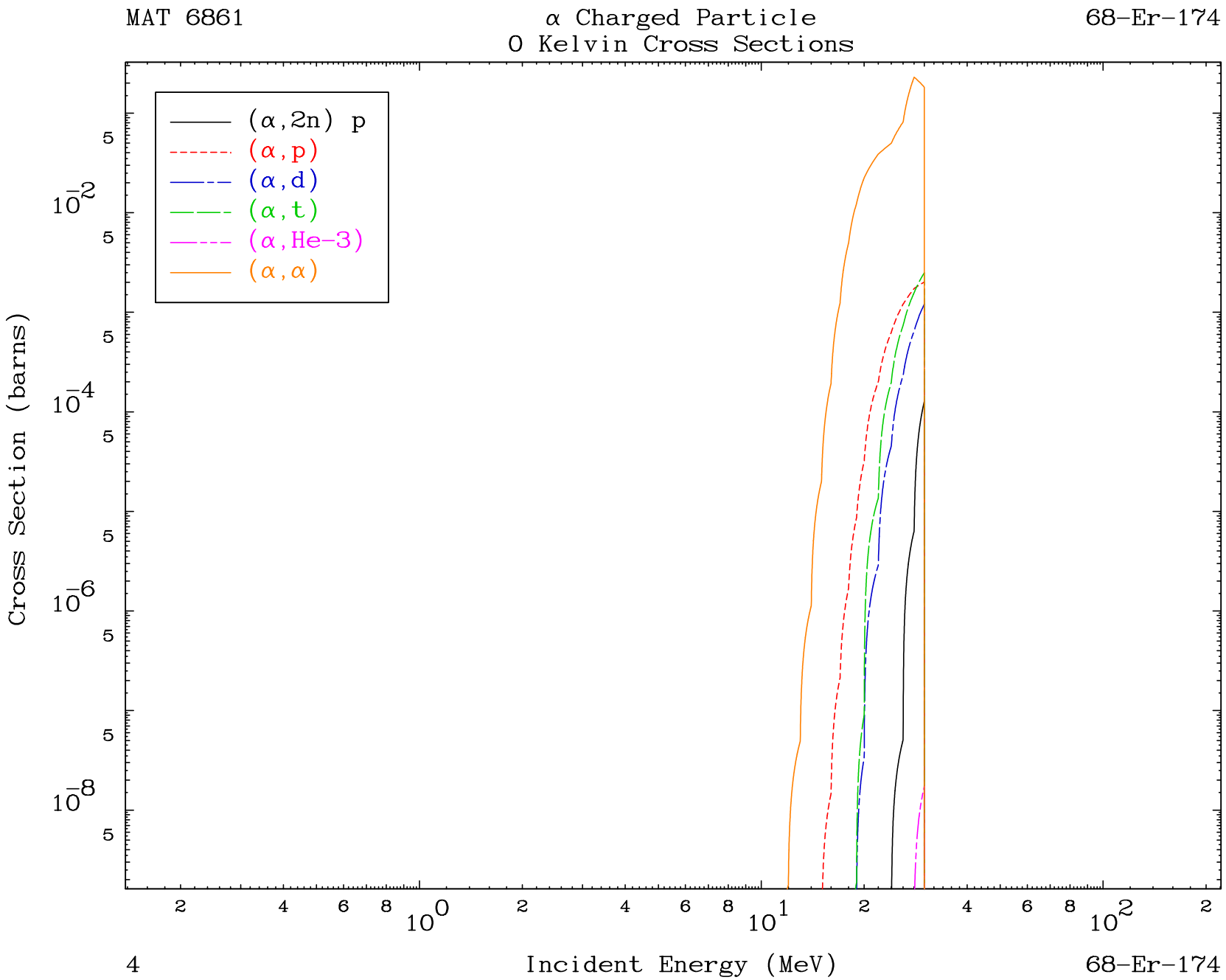
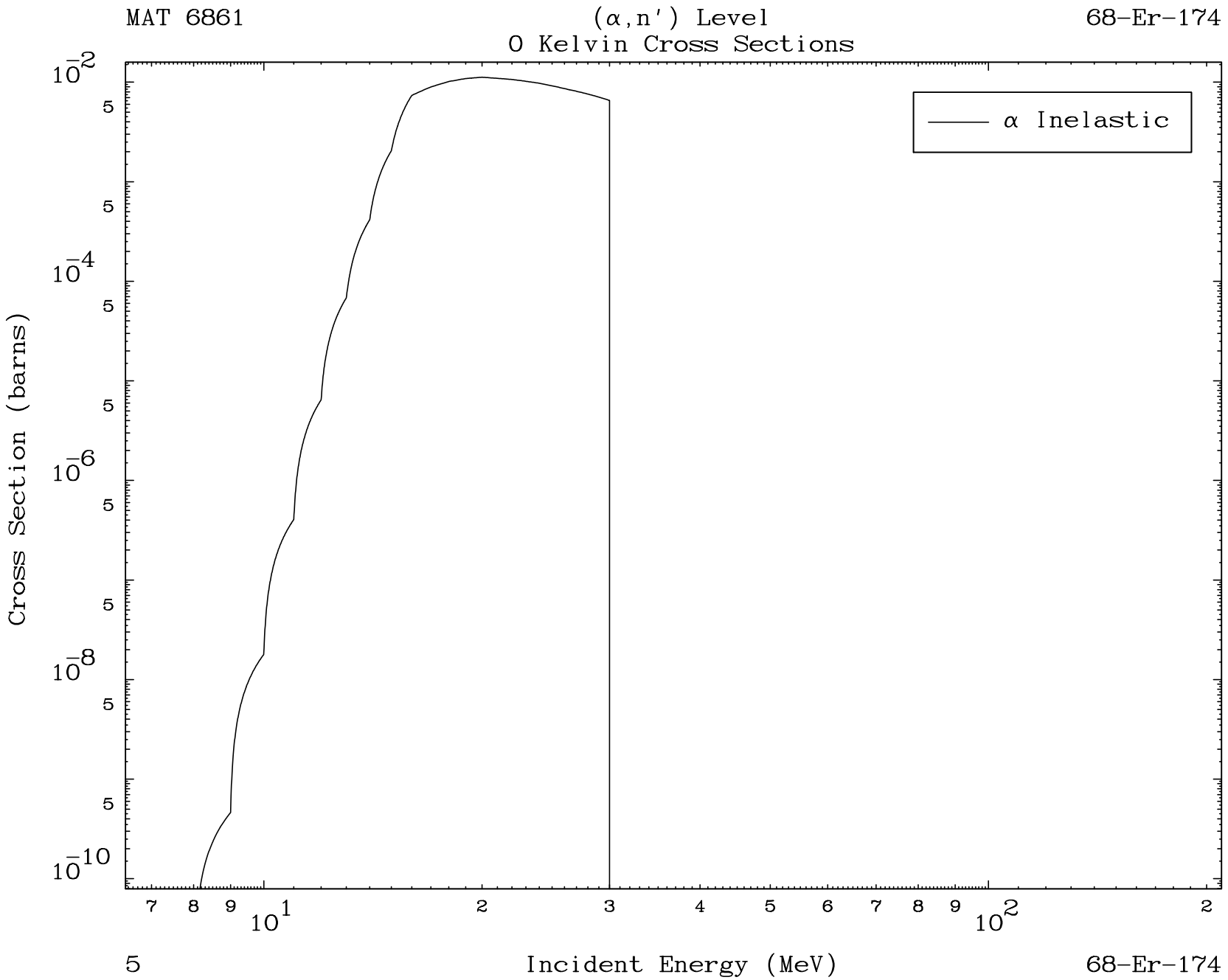
Press Mouse Button to Start

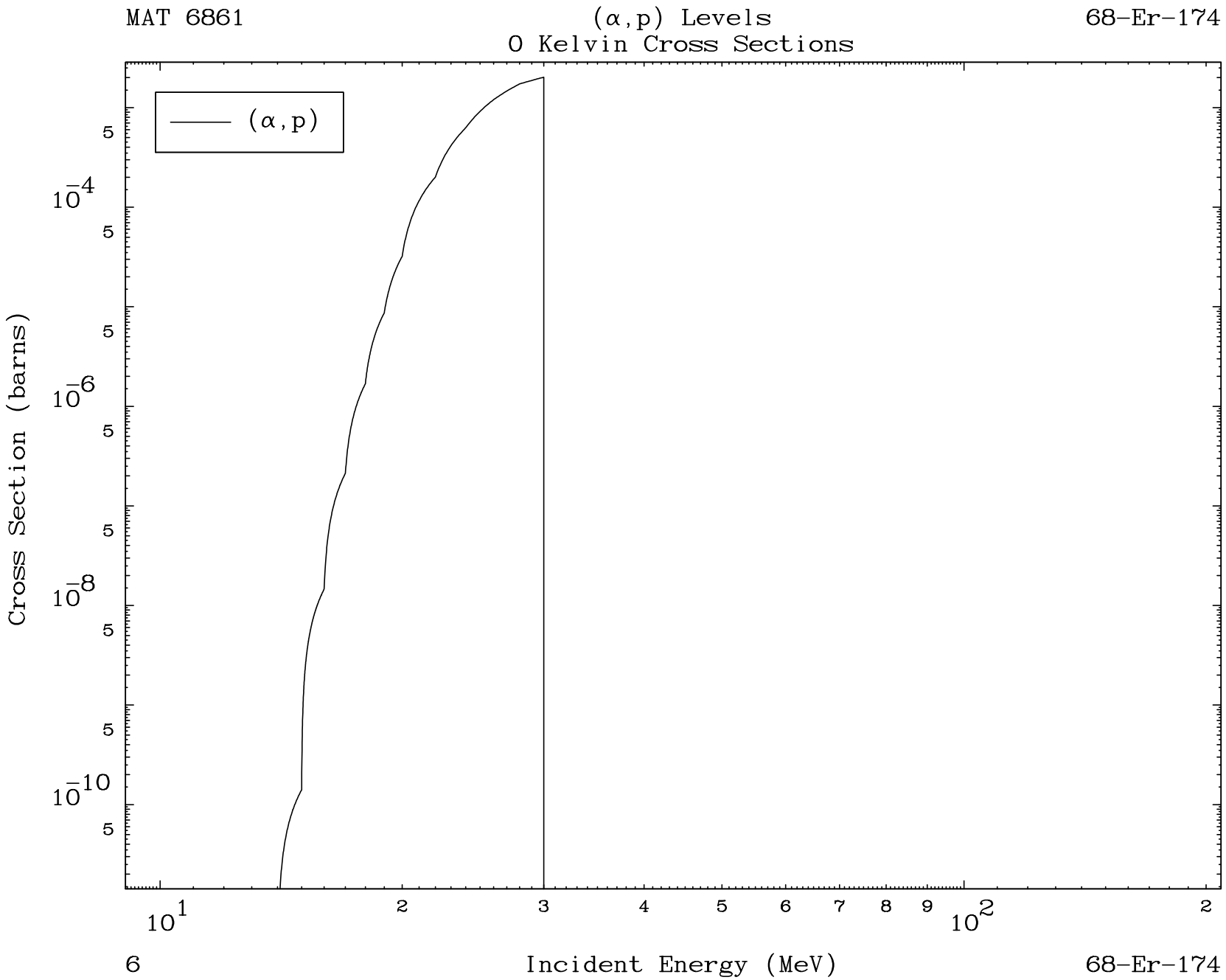

MAT 6861
α Major
68-Er-174
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
68-Er-174

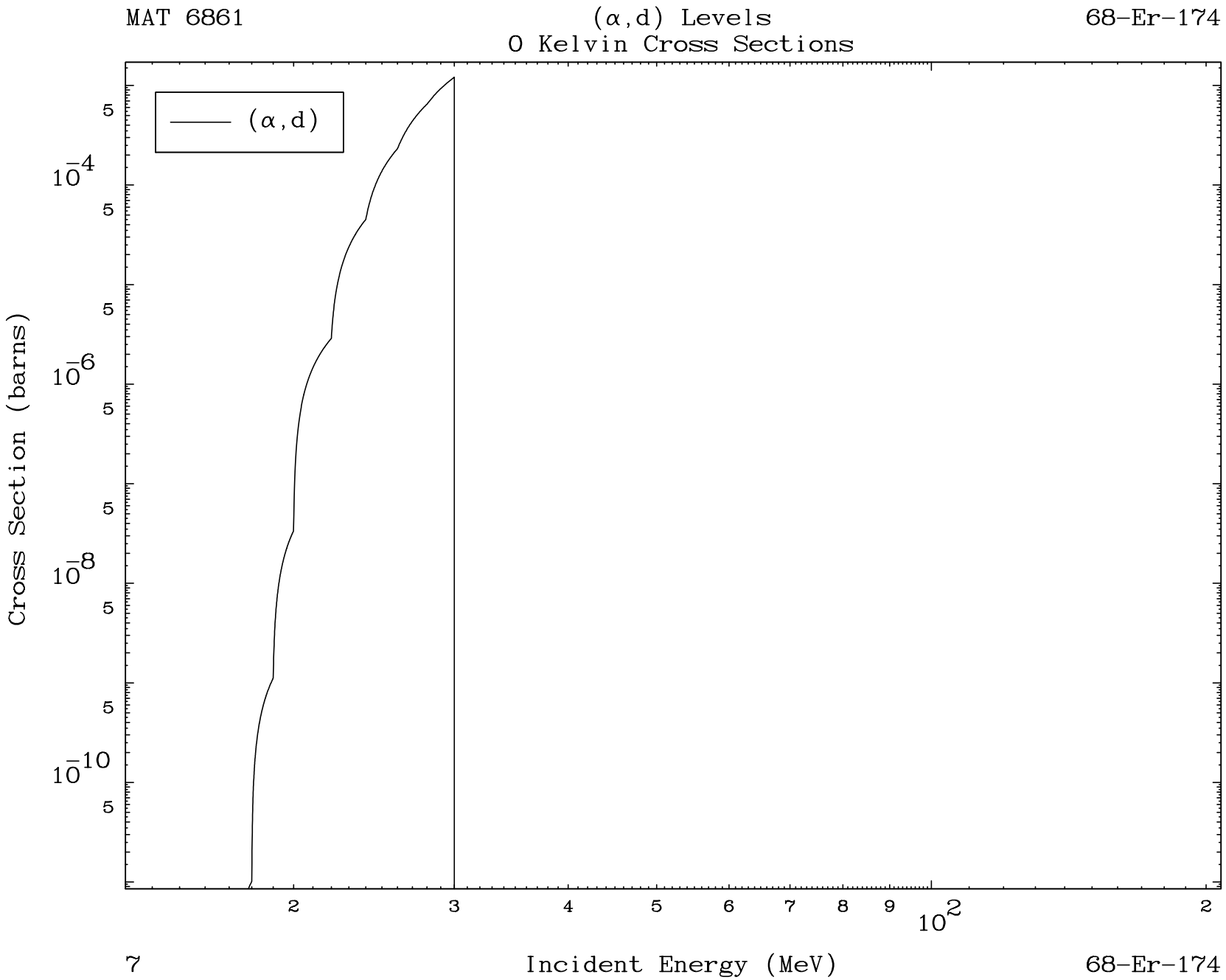

MAT 6861
α Neutron Production
0 Kelvin Cross Sections
68-Er-174
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,4n)
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
68-Er-174


MAT 6861
α Charged Particle
0 Kelvin Cross Sections
68-Er-174
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
Cross Section (barns)
Incident Energy (MeV)
3
68-Er-174

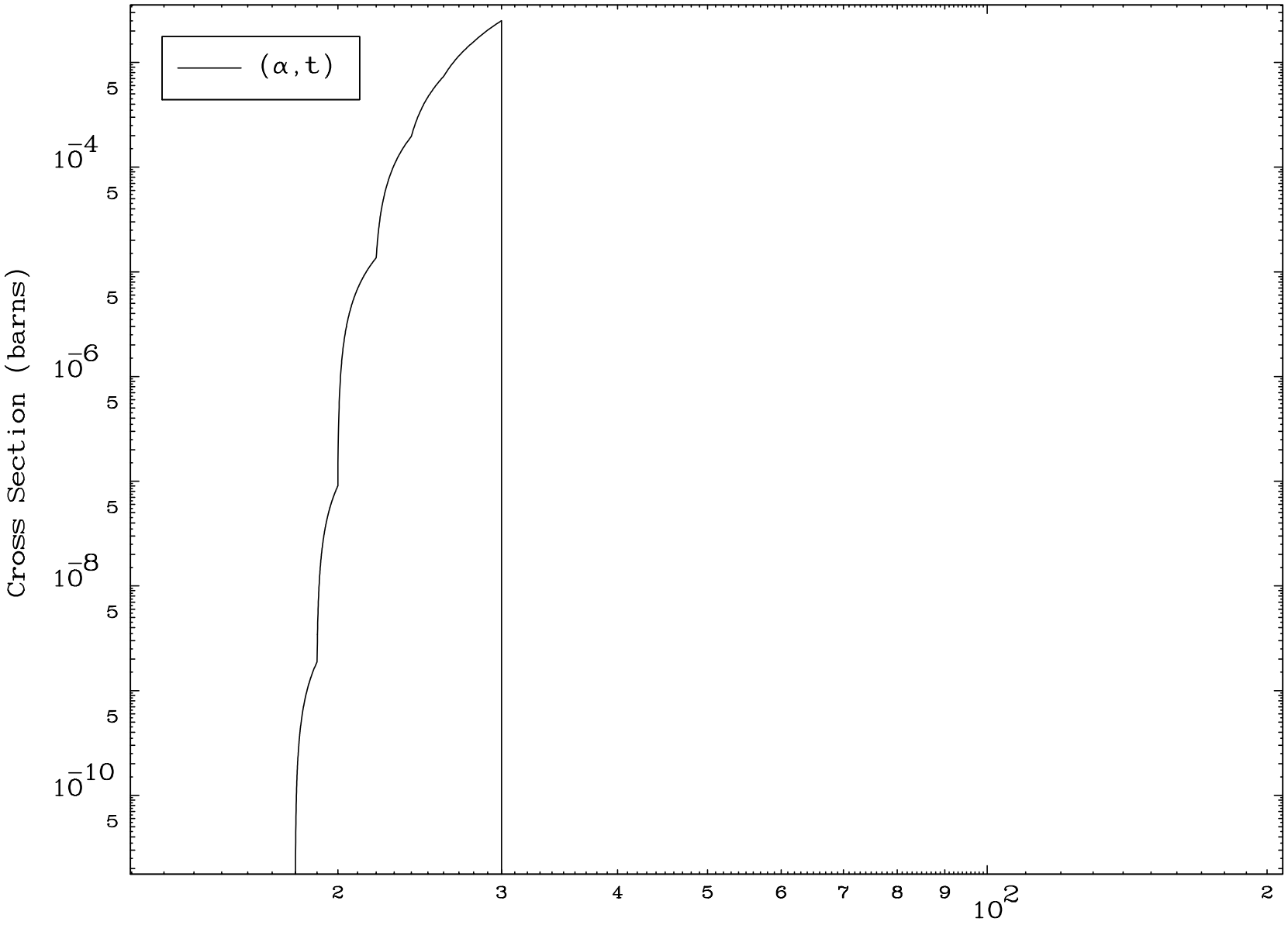

MAT 6861
α Charged Particle
0 Kelvin Cross Sections
68-Er-174
(α,2n) p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
4
68-Er-174

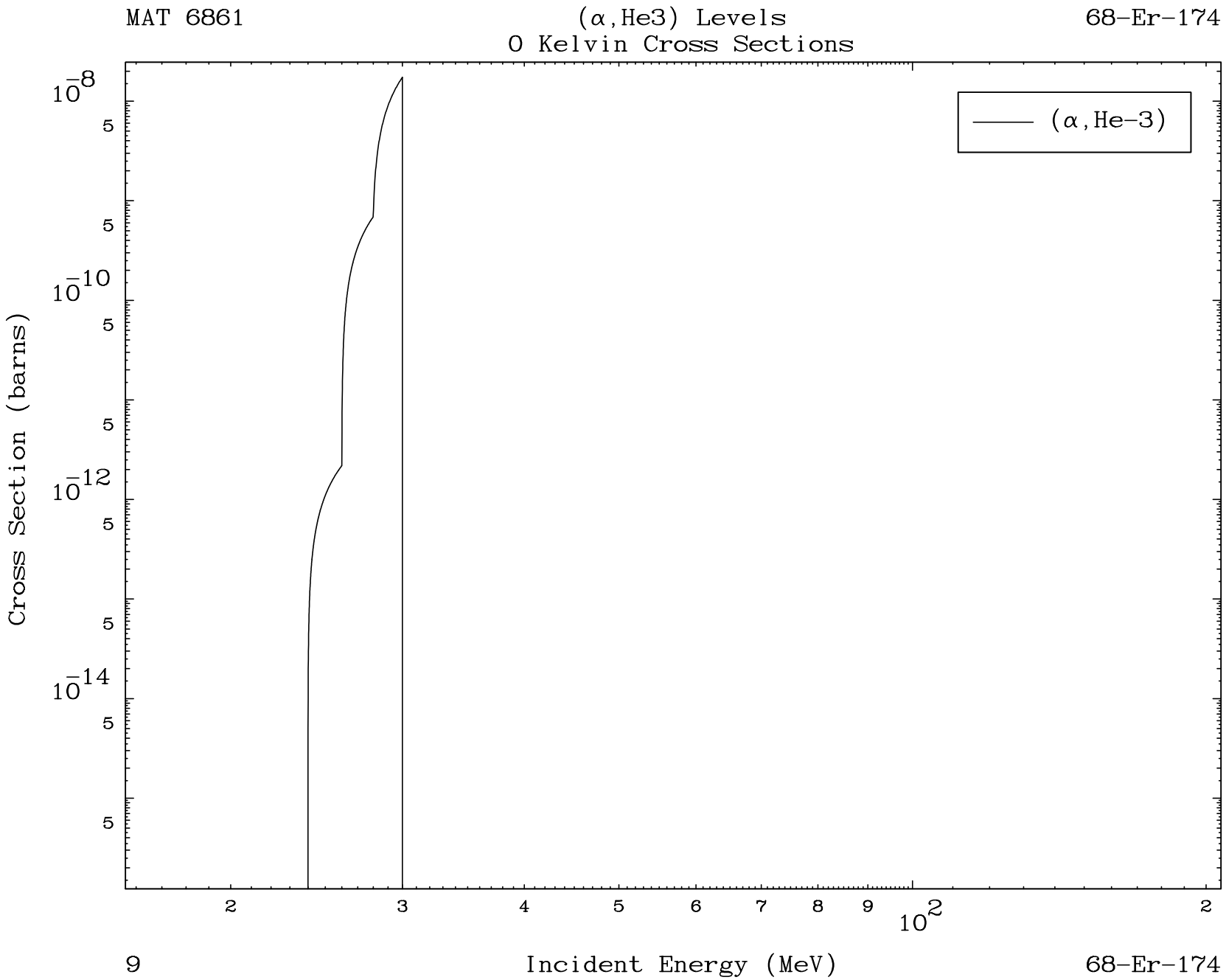

MAT 6861
(α,n') Level
68-Er-174
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
5
68-Er-174

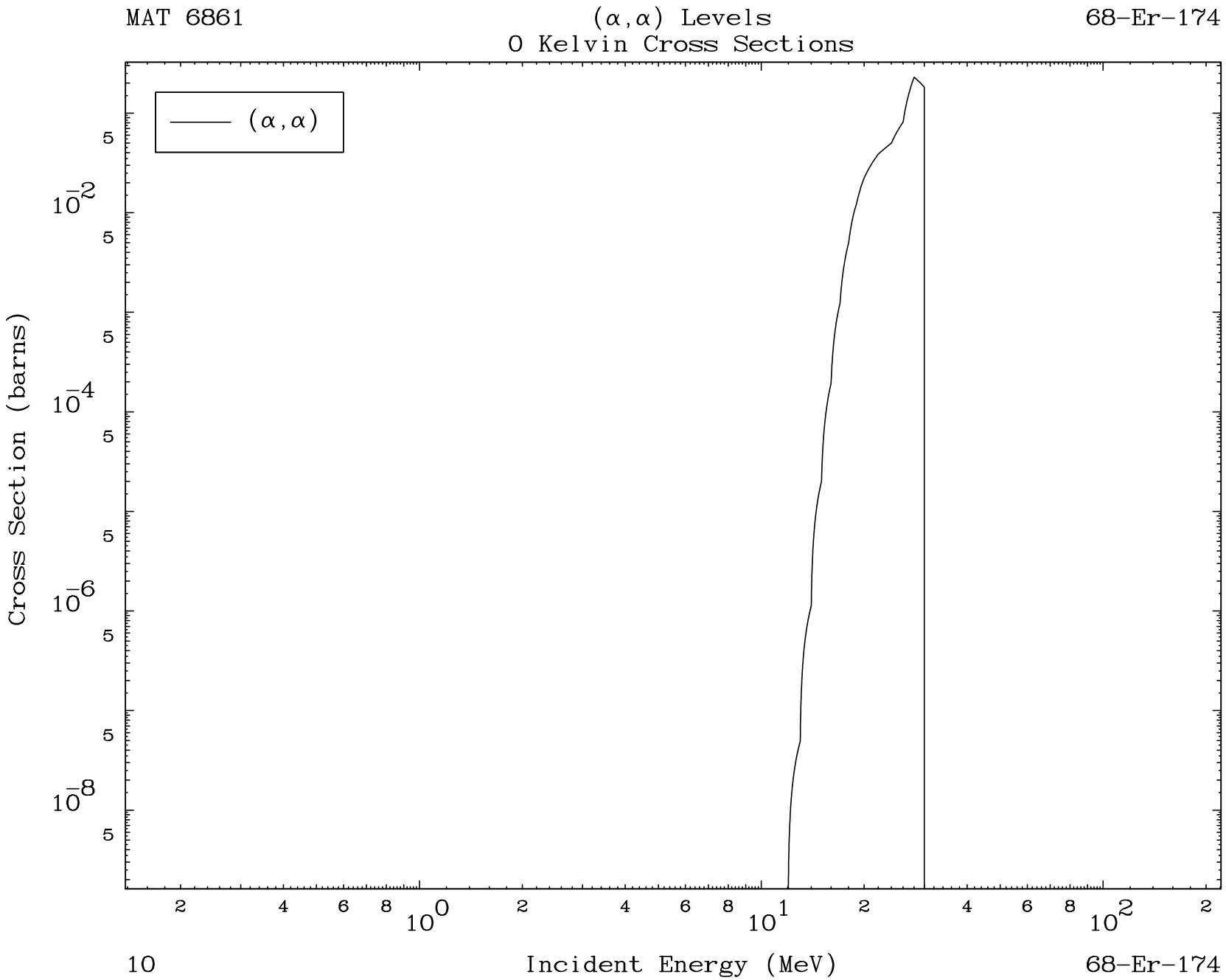

MAT 6861
(α,p) Levels
68-Er-174
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
6
68-Er-174

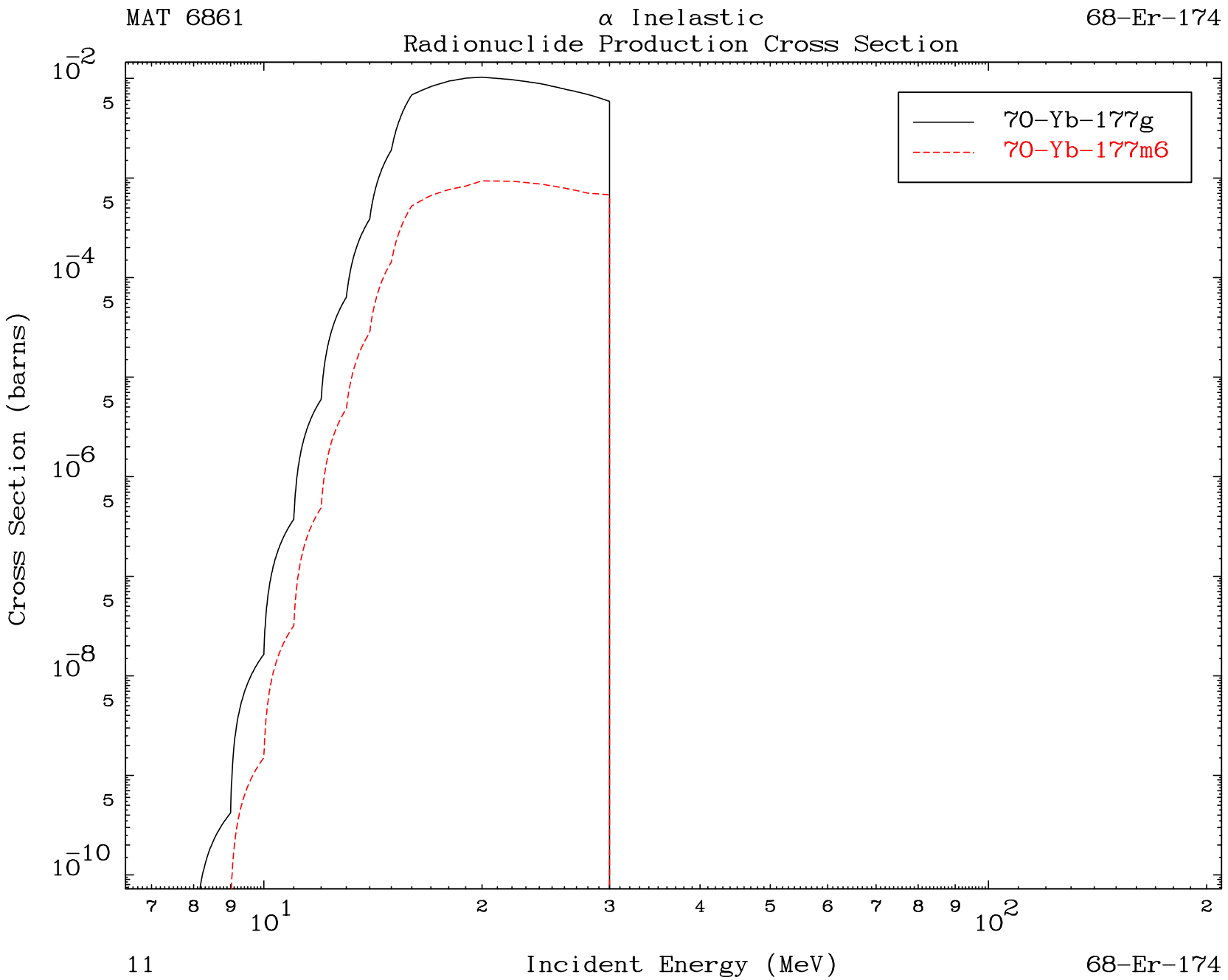

MAT 6861
(α,d) Levels
0 Kelvin Cross Sections
68-Er-174
(α,d)
Cross Section (barns)
Incident Energy (MeV)
7
68-Er-174

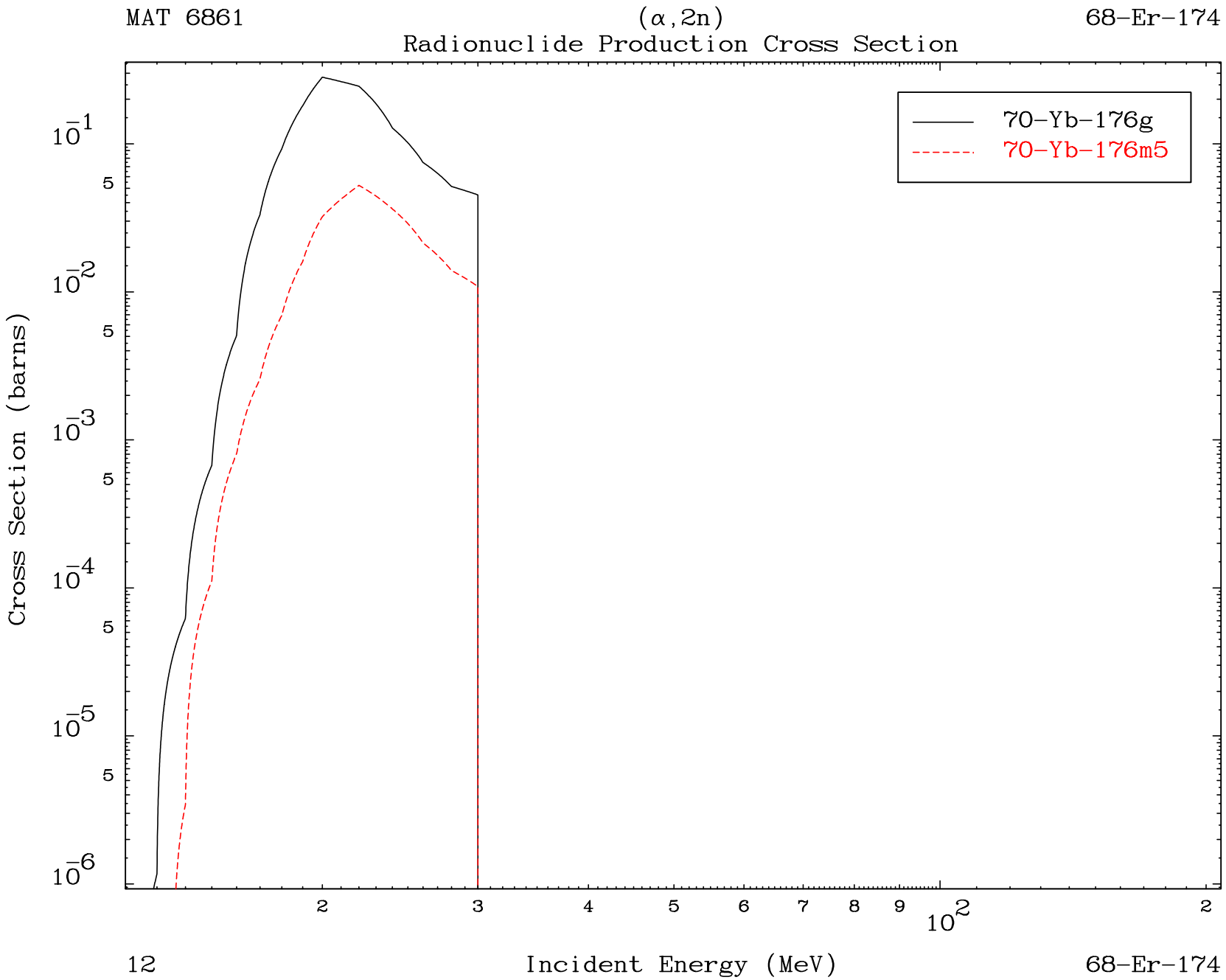
0 Kelvin Cross Sections




MAT 6861
(α,He3) Levels
68-Er-174
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
9
68-Er-174


MAT 6861
(α,α) Levels
68-Er-174
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-174


MAT 6861
α Inelastic
68-Er-174
Radionuclide Production Cross Section
70-Yb-177g
70-Yb-177m6
Cross Section (barns)
Incident Energy (MeV)
11
68-Er-174


MAT 6861
(α,2n)
68-Er-174
Radionuclide Production Cross Section
70-Yb-176g
70-Yb-176m5
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
5
10-6
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
68-Er-174