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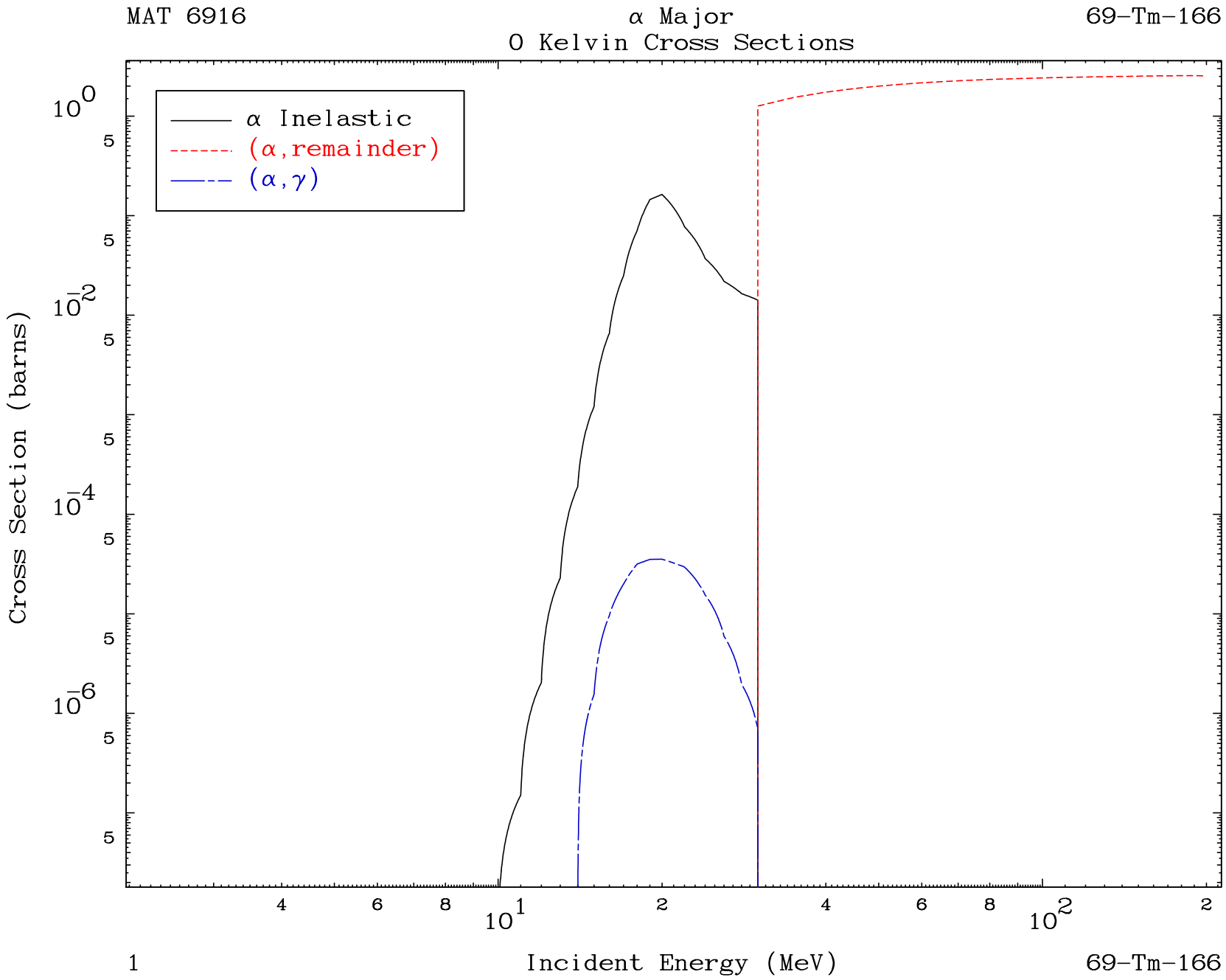
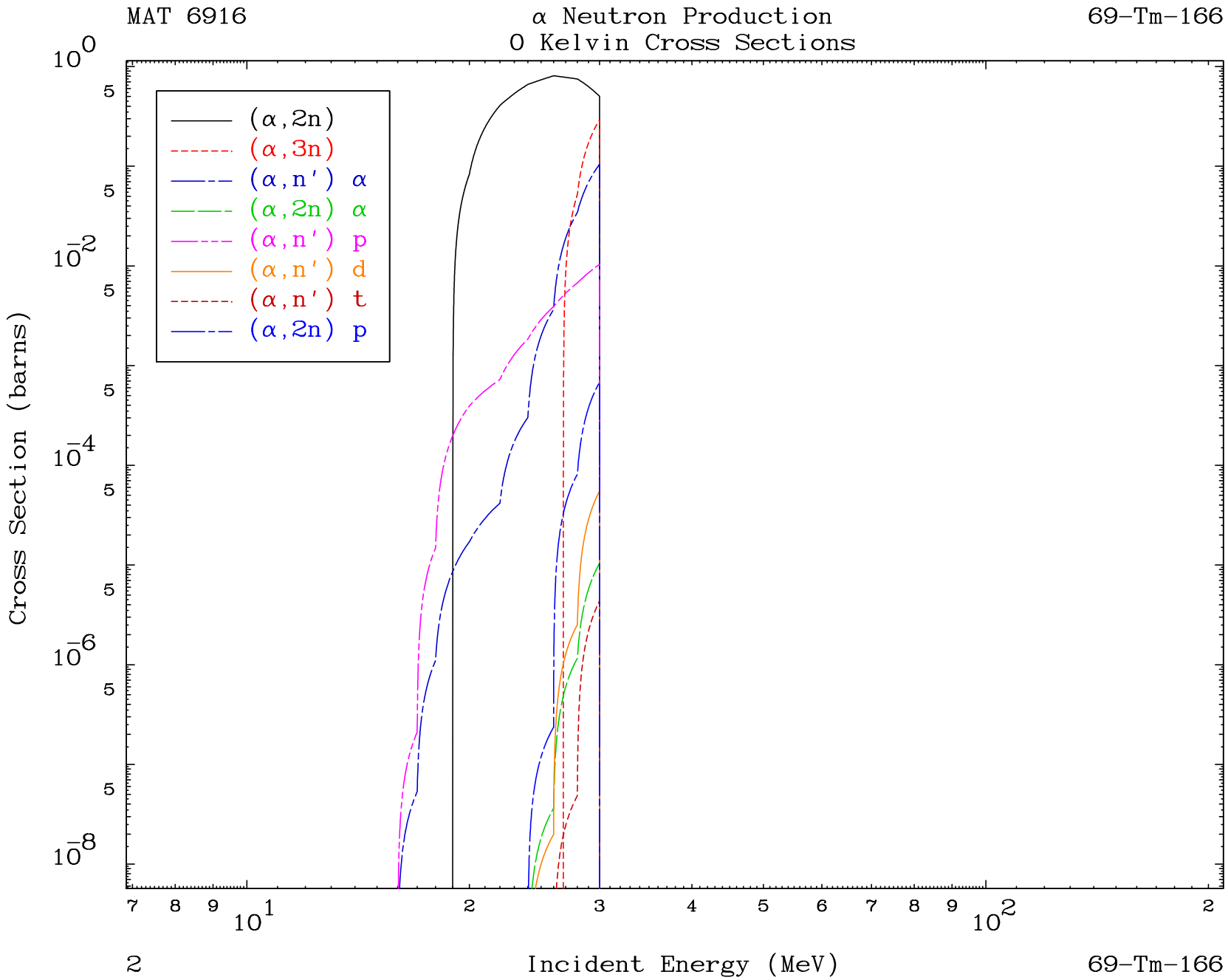
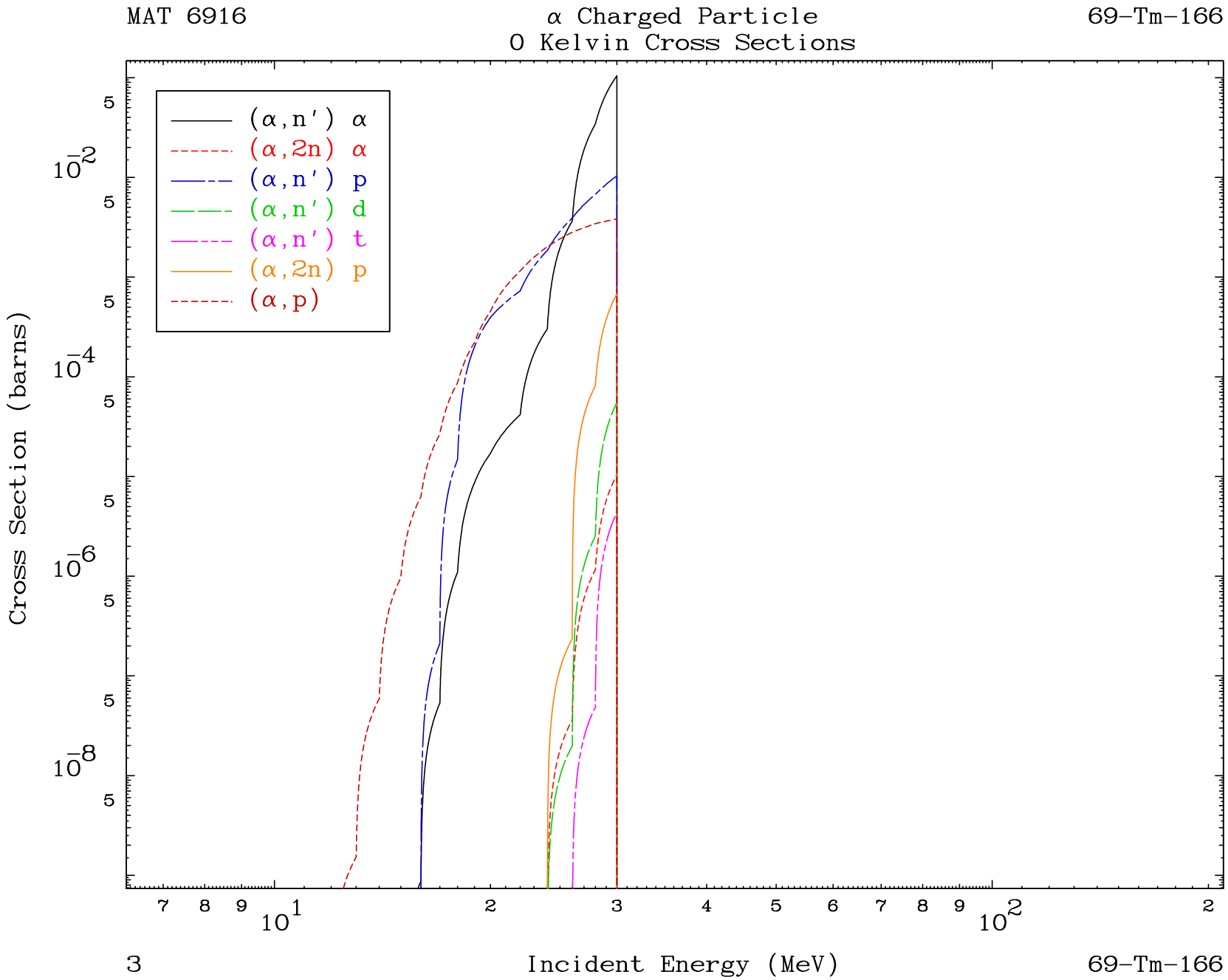
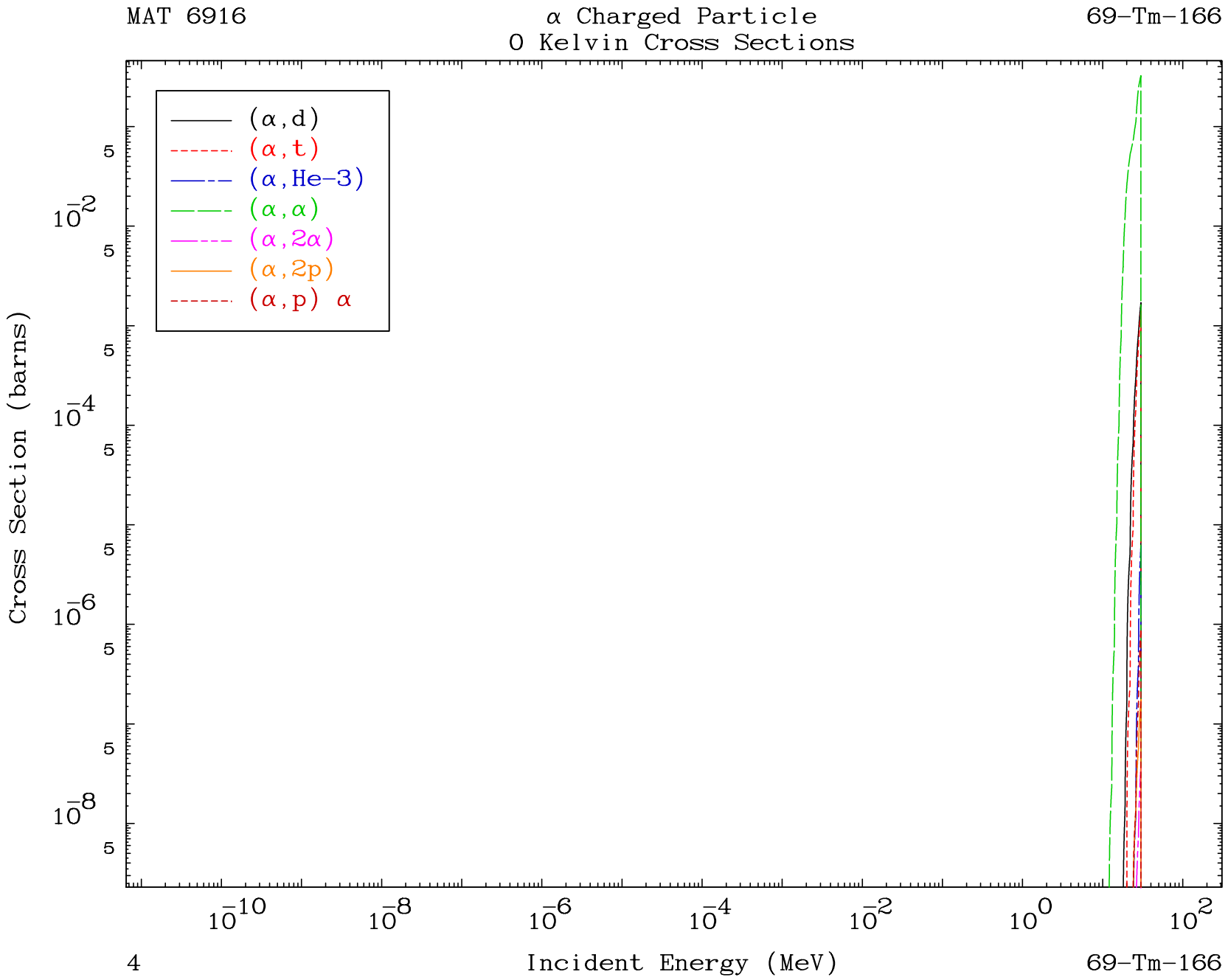
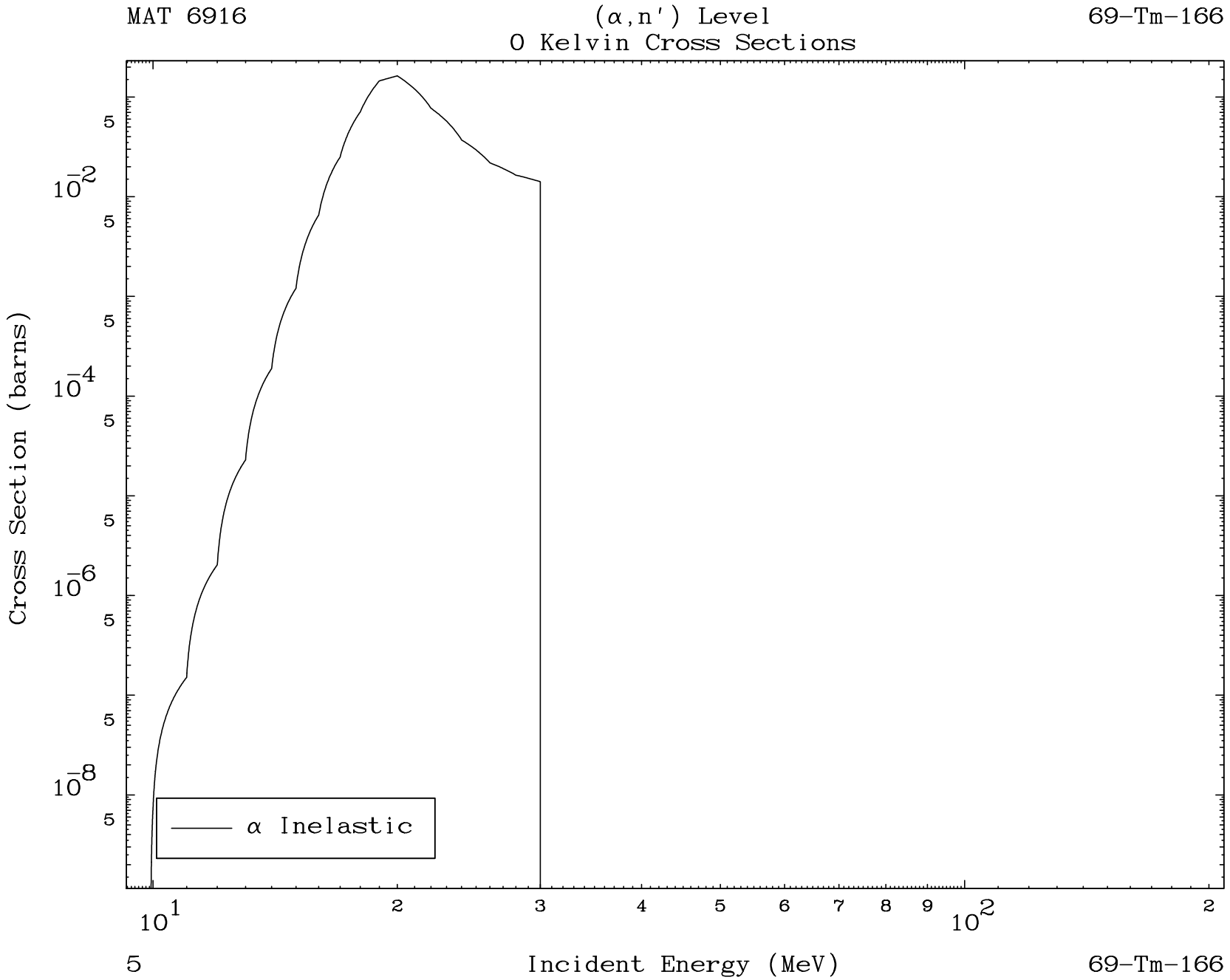
Press Mouse Button to Start

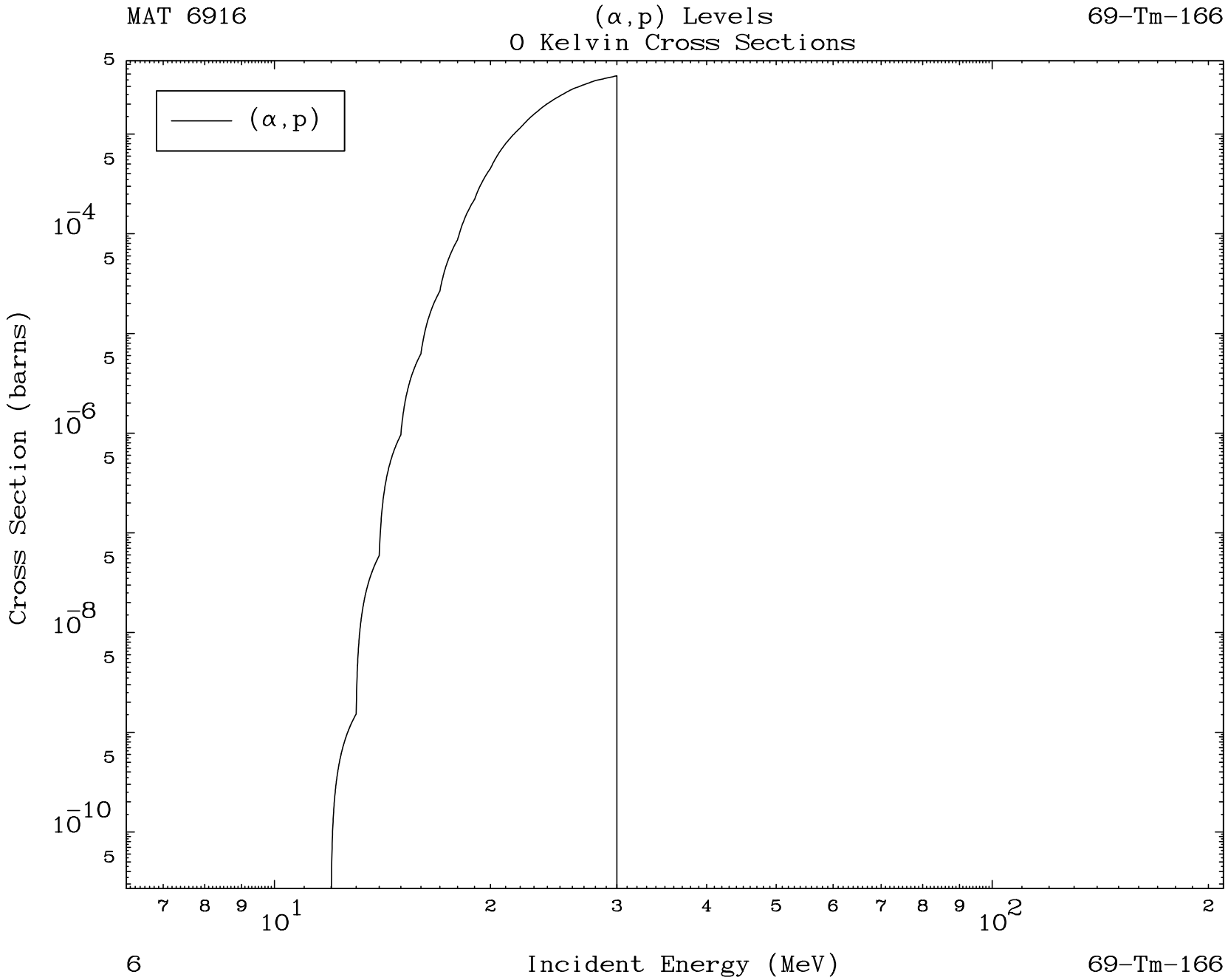

MAT 6916
α Major
69-Tm-166
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
69-Tm-166

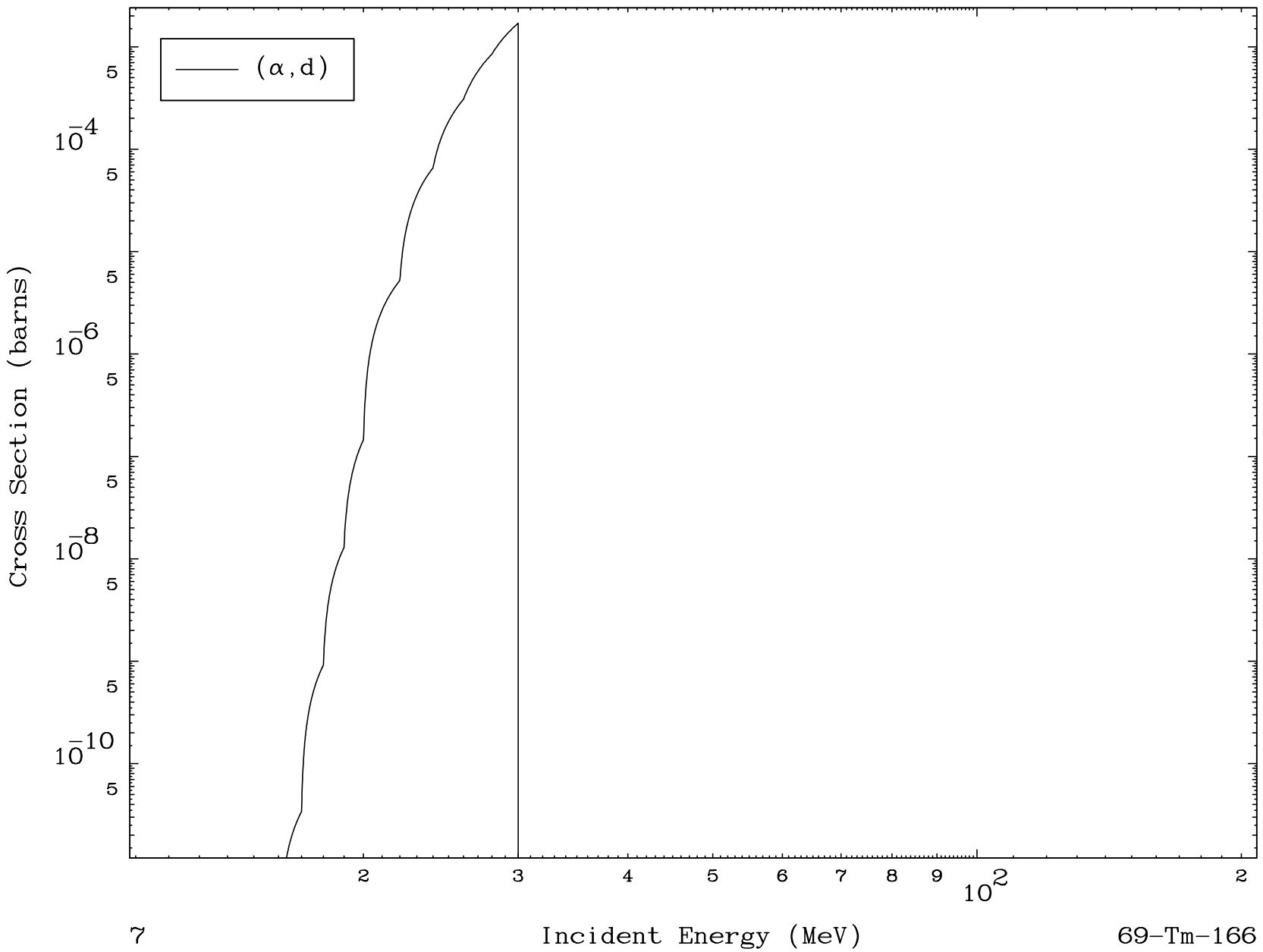

MAT 6916
α Neutron Production
0 Kelvin Cross Sections
69-Tm-166
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
69-Tm-166

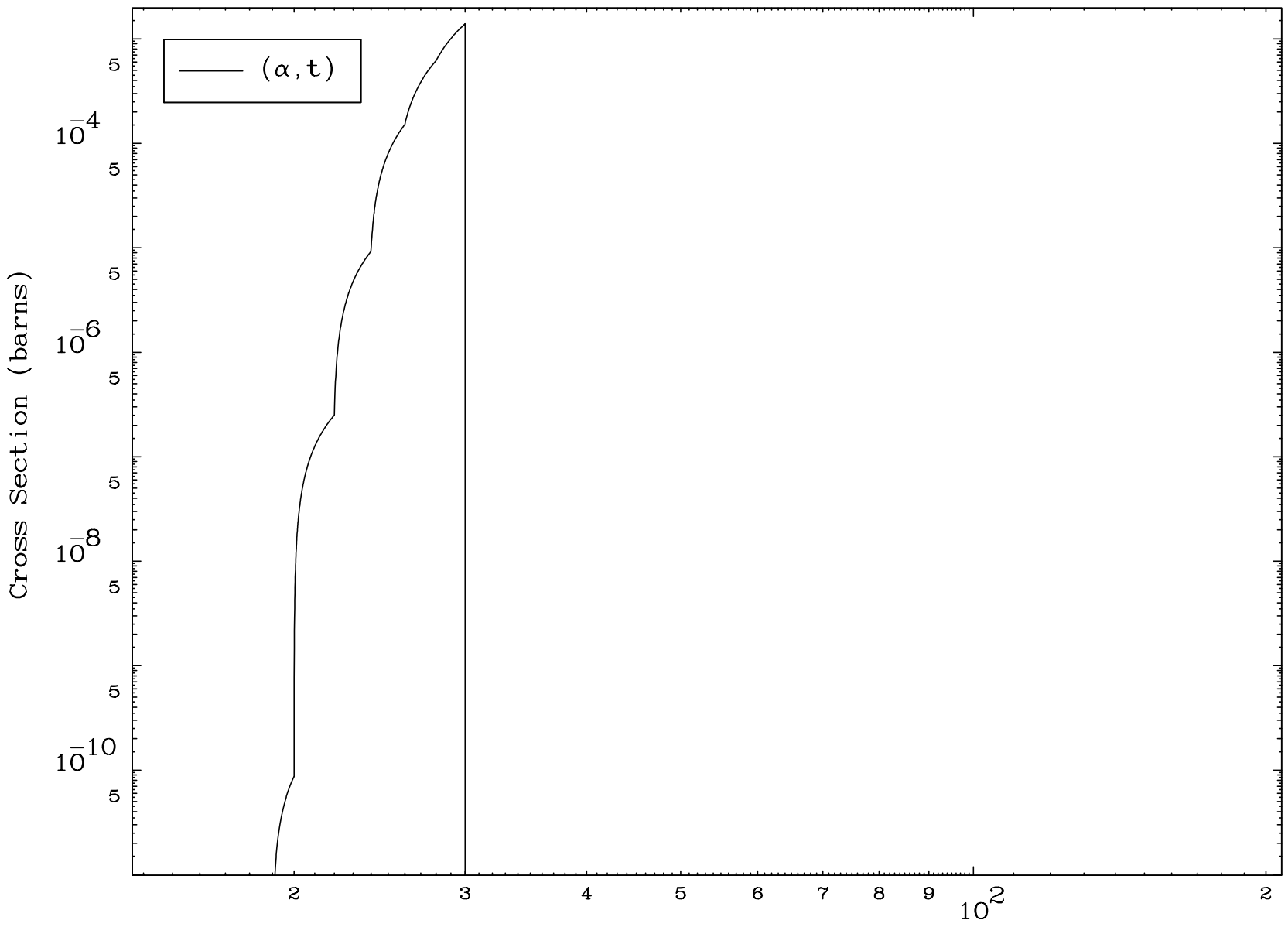

MAT 6916
α Charged Particle
0 Kelvin Cross Sections
69-Tm-166
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
(α,p)
Cross Section (barns)
Incident Energy (MeV)
3
69-Tm-166

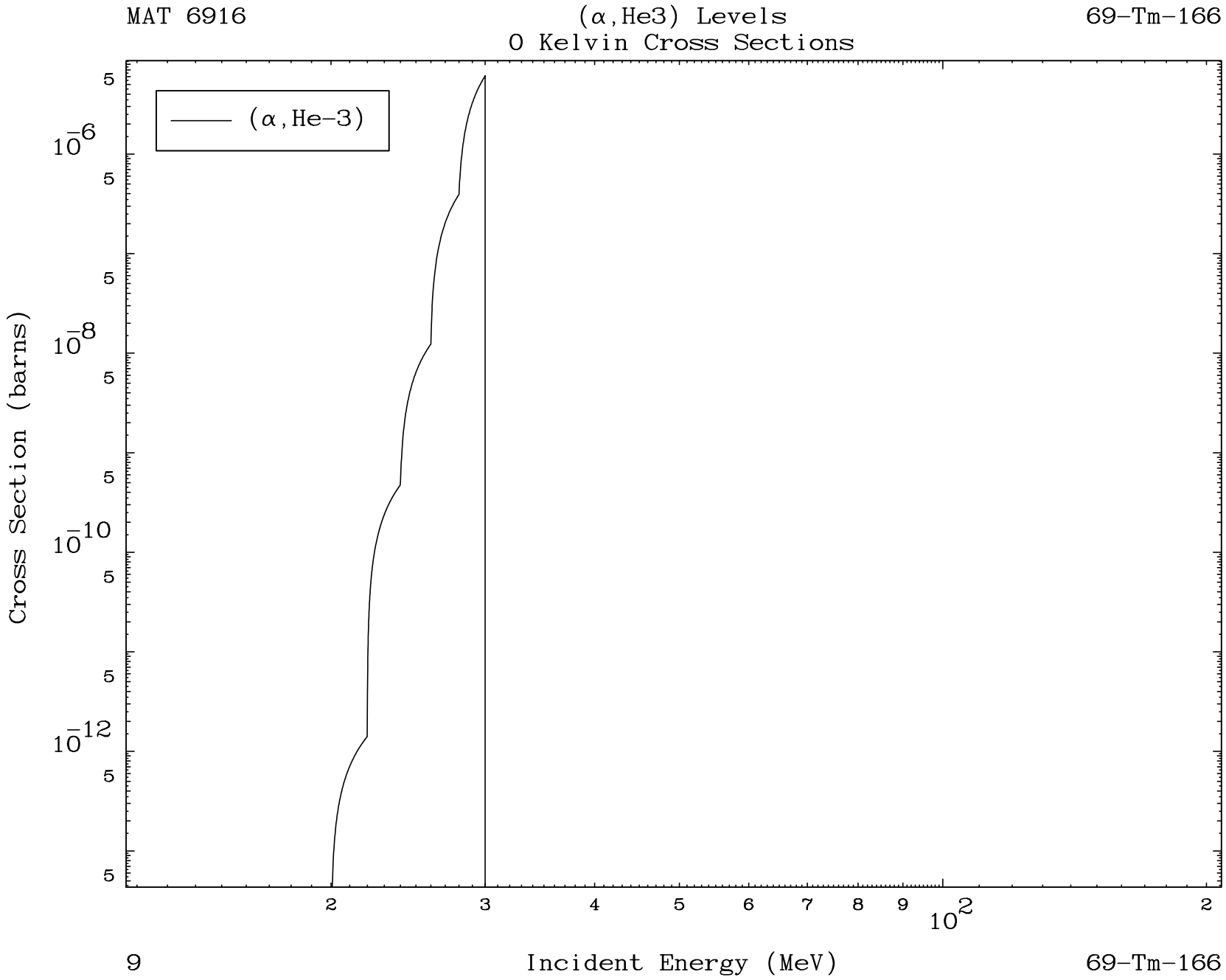

MAT 6916
α Charged Particle
0 Kelvin Cross Sections
69-Tm-166
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
Cross Section (barns)
Incident Energy (MeV)
4
69-Tm-166

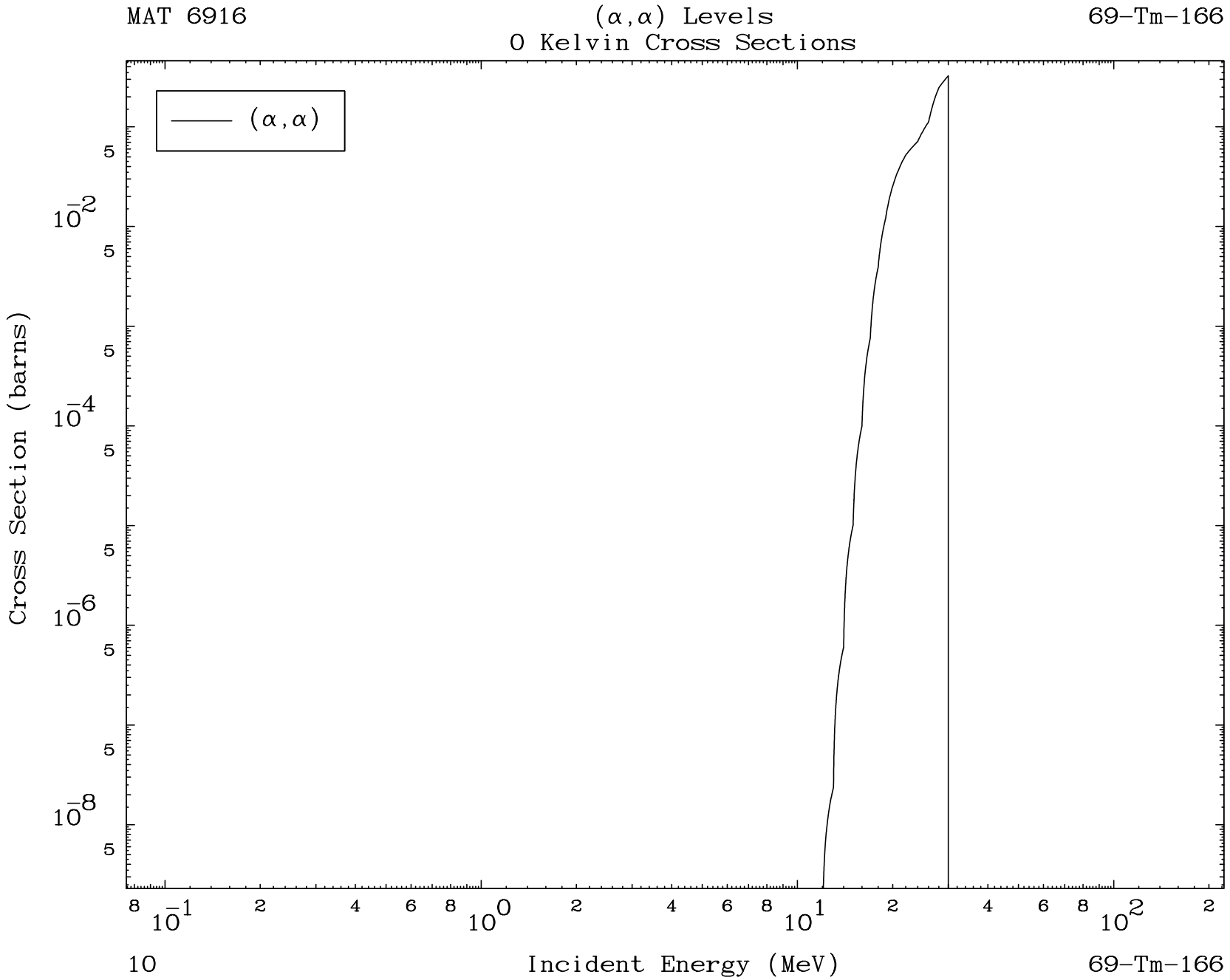

MAT 6916
(α,n') Level
69-Tm-166
0 Kelvin Cross Sections
Cross Section (barns)
10-2
10-4
10-6
10-8
α Inelastic
10 1
2
3
4
5
6
7
8
9
10 2
2
5
Incident Energy (MeV)
69-Tm-166

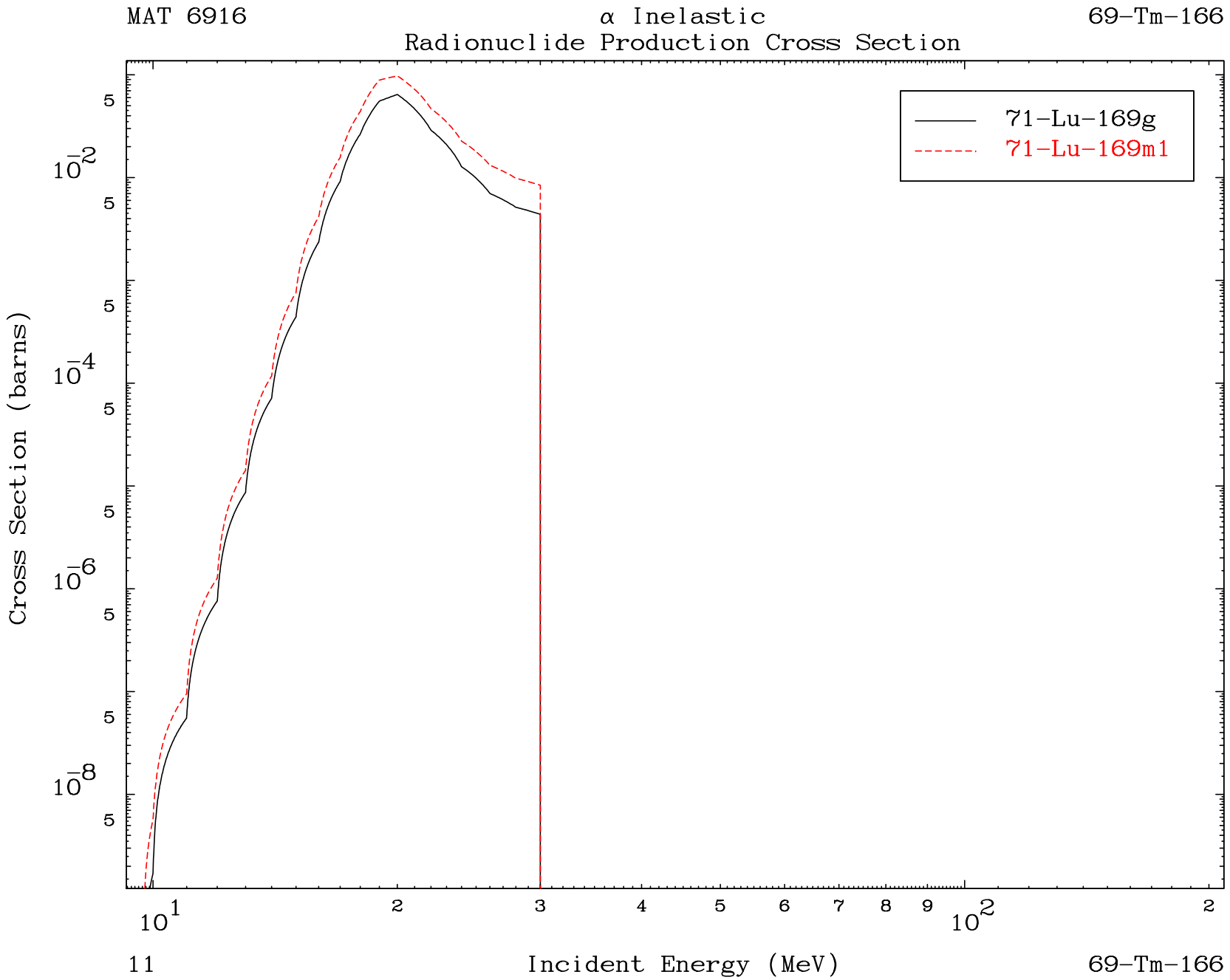

MAT 6916
(α,p) Levels
69-Tm-166
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
69-Tm-166

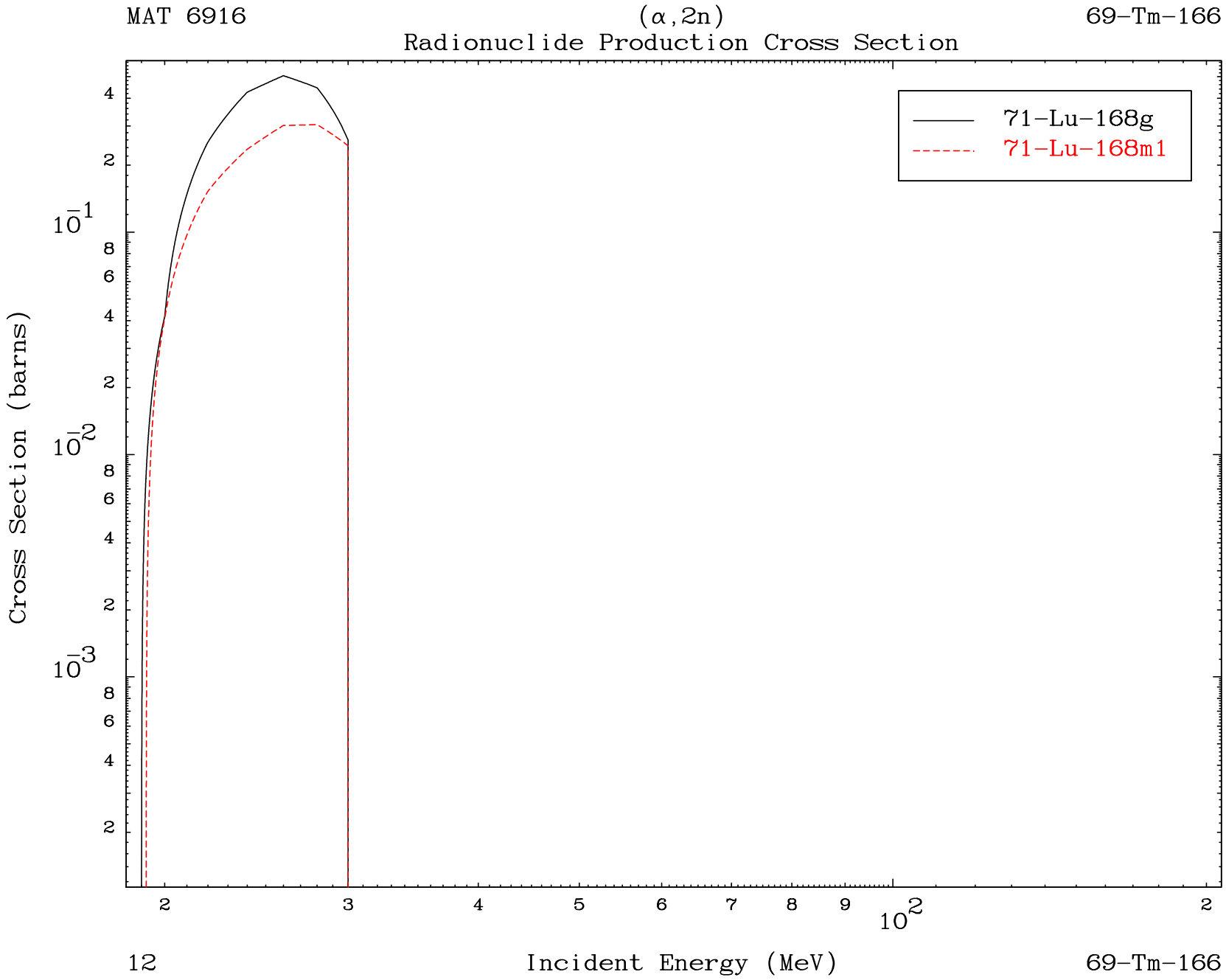

0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

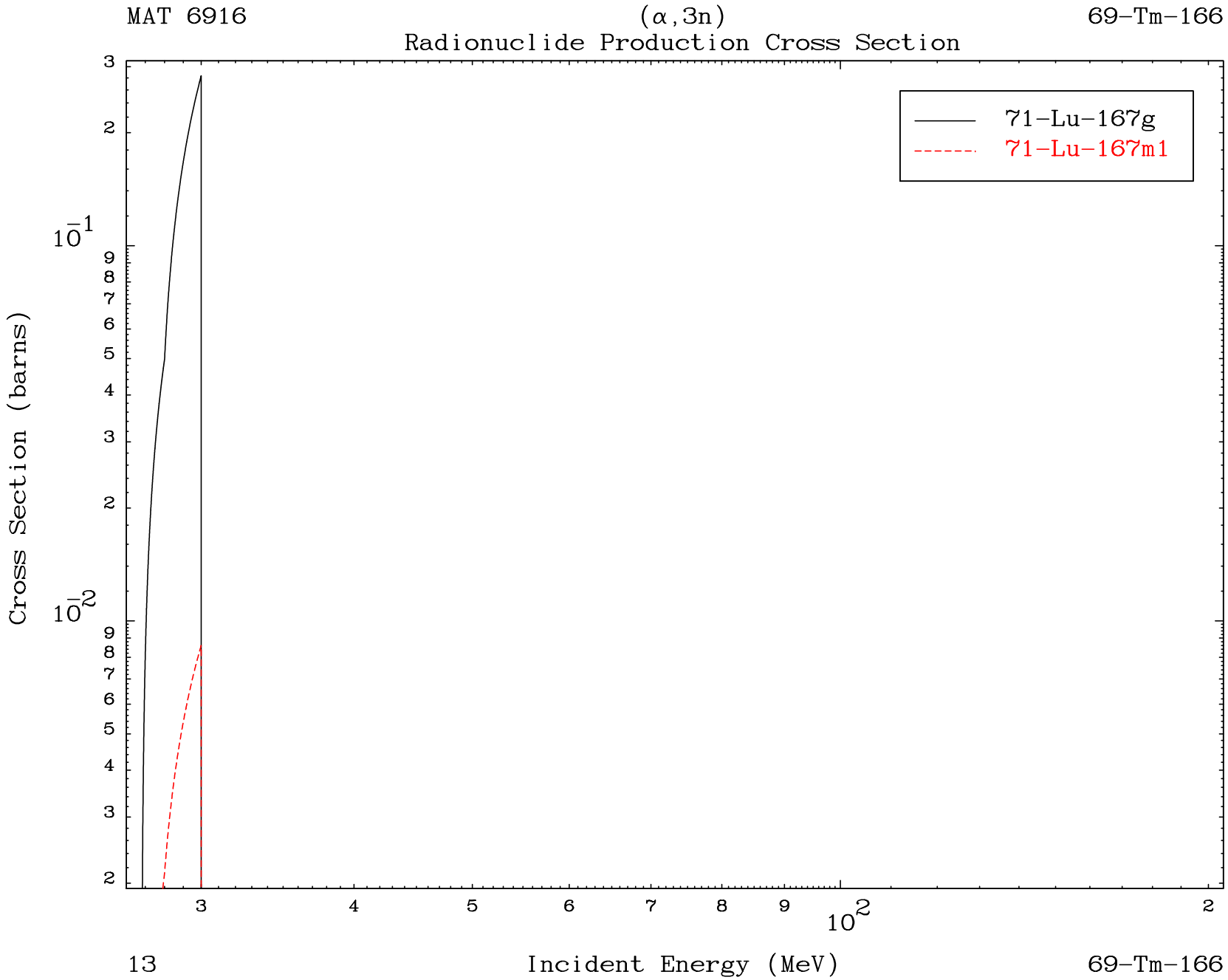

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

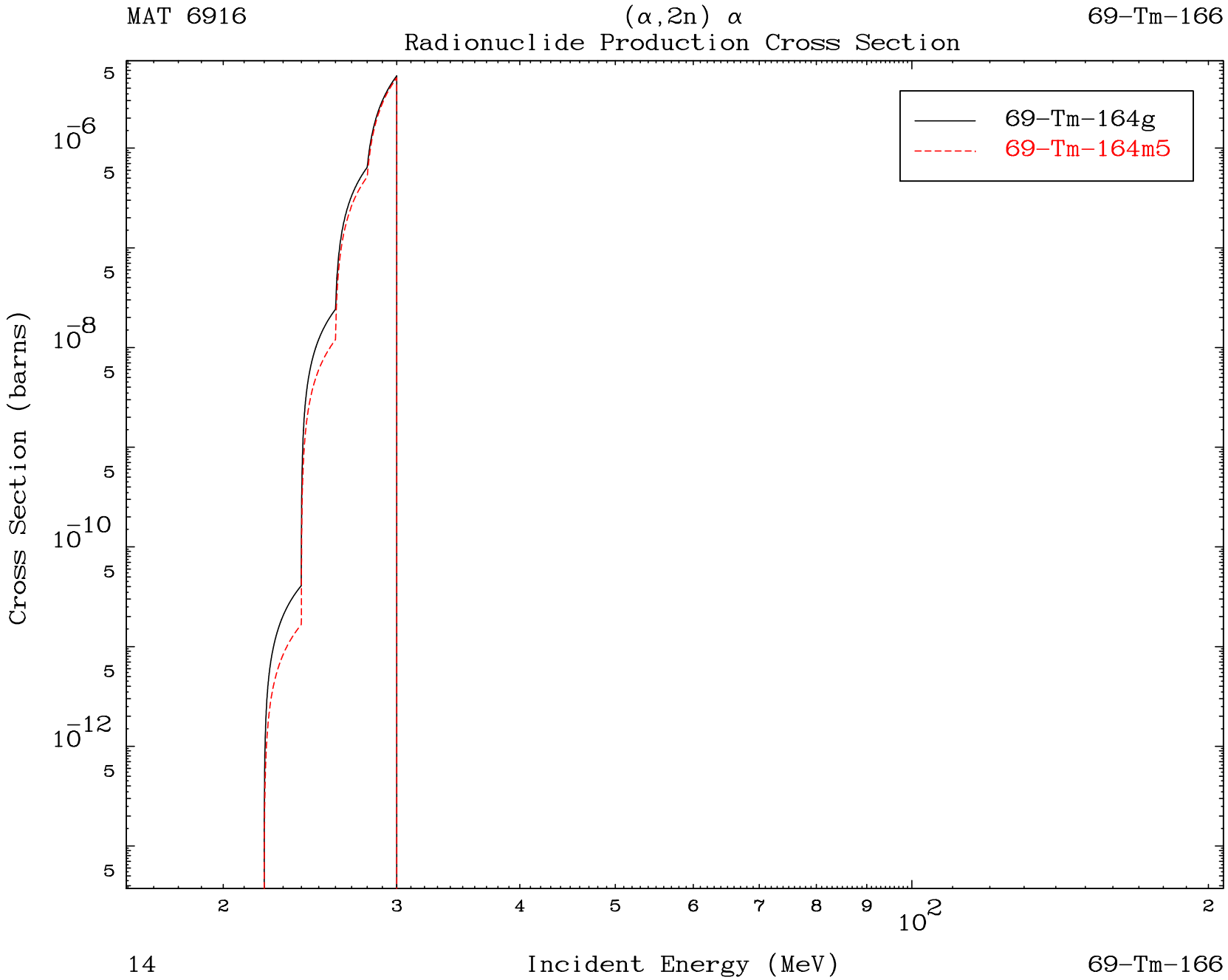

MAT 6916
(α,He3) Levels
69-Tm-166
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
9
69-Tm-166

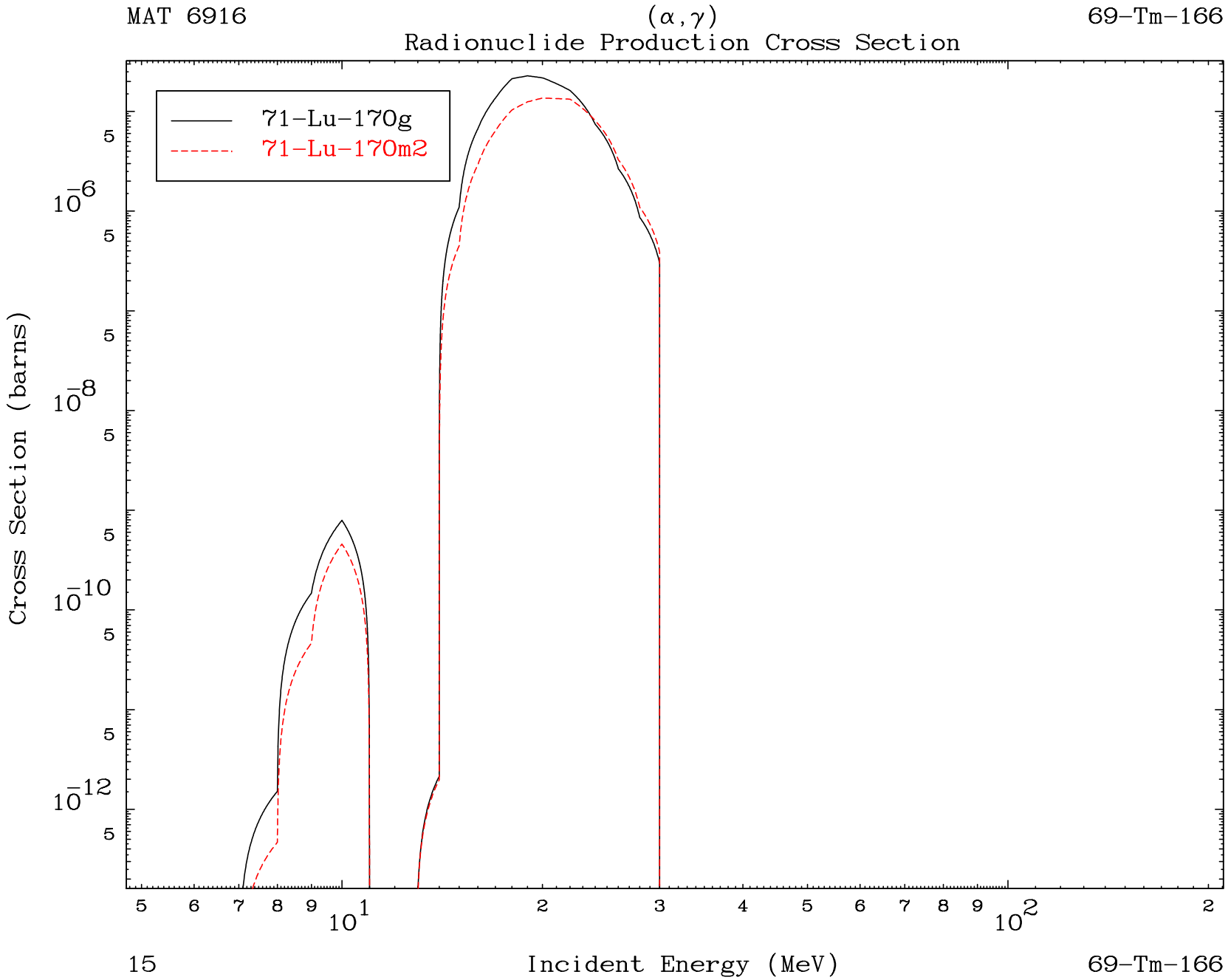

MAT 6916
(α,α) Levels
69-Tm-166
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
69-Tm-166

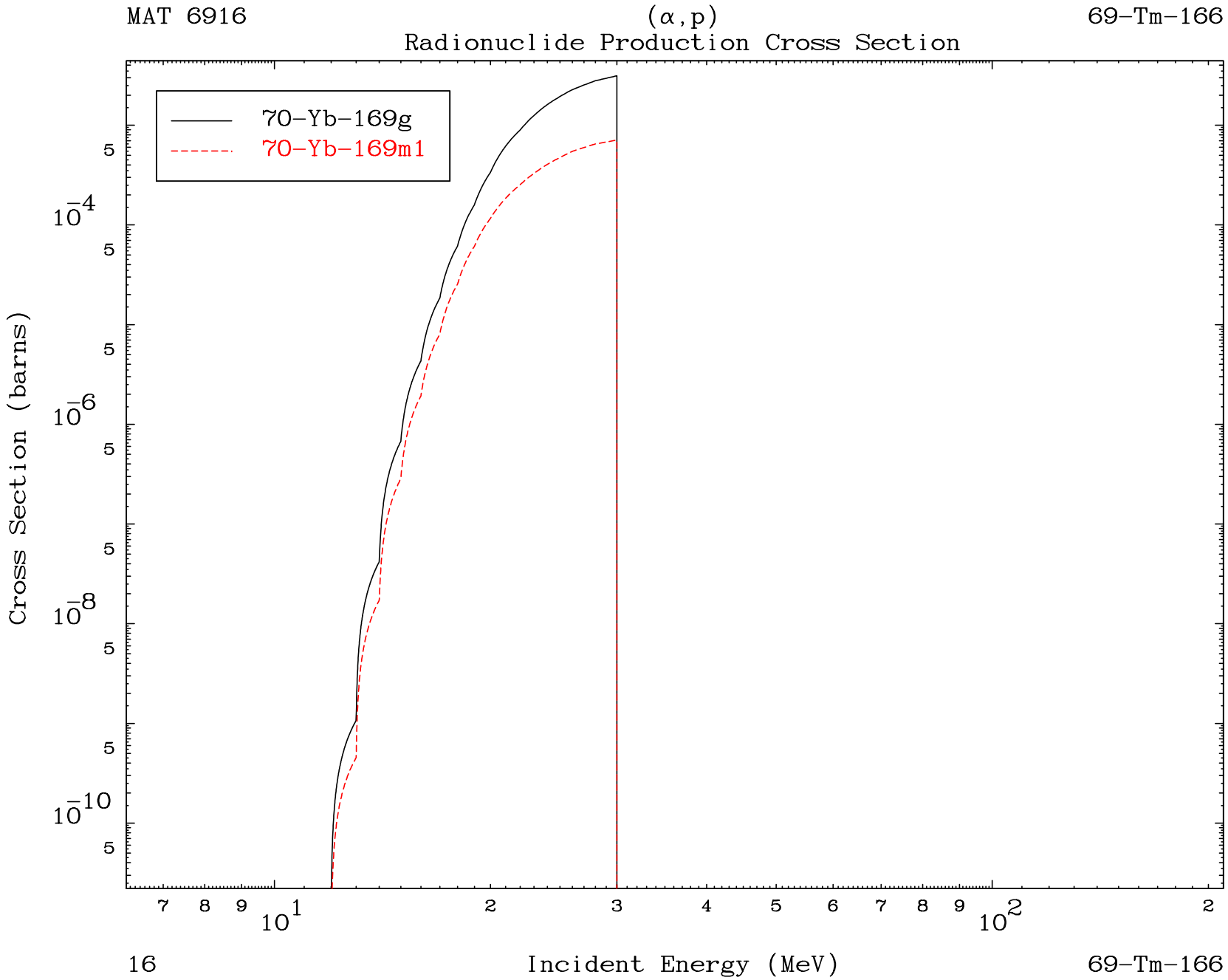

MAT 6916
α Inelastic
69-Tm-166
Radionuclide Production Cross Section
71-Lu-169g
71-Lu-169m1
Cross Section (barns)
Incident Energy (MeV)
11
69-Tm-166

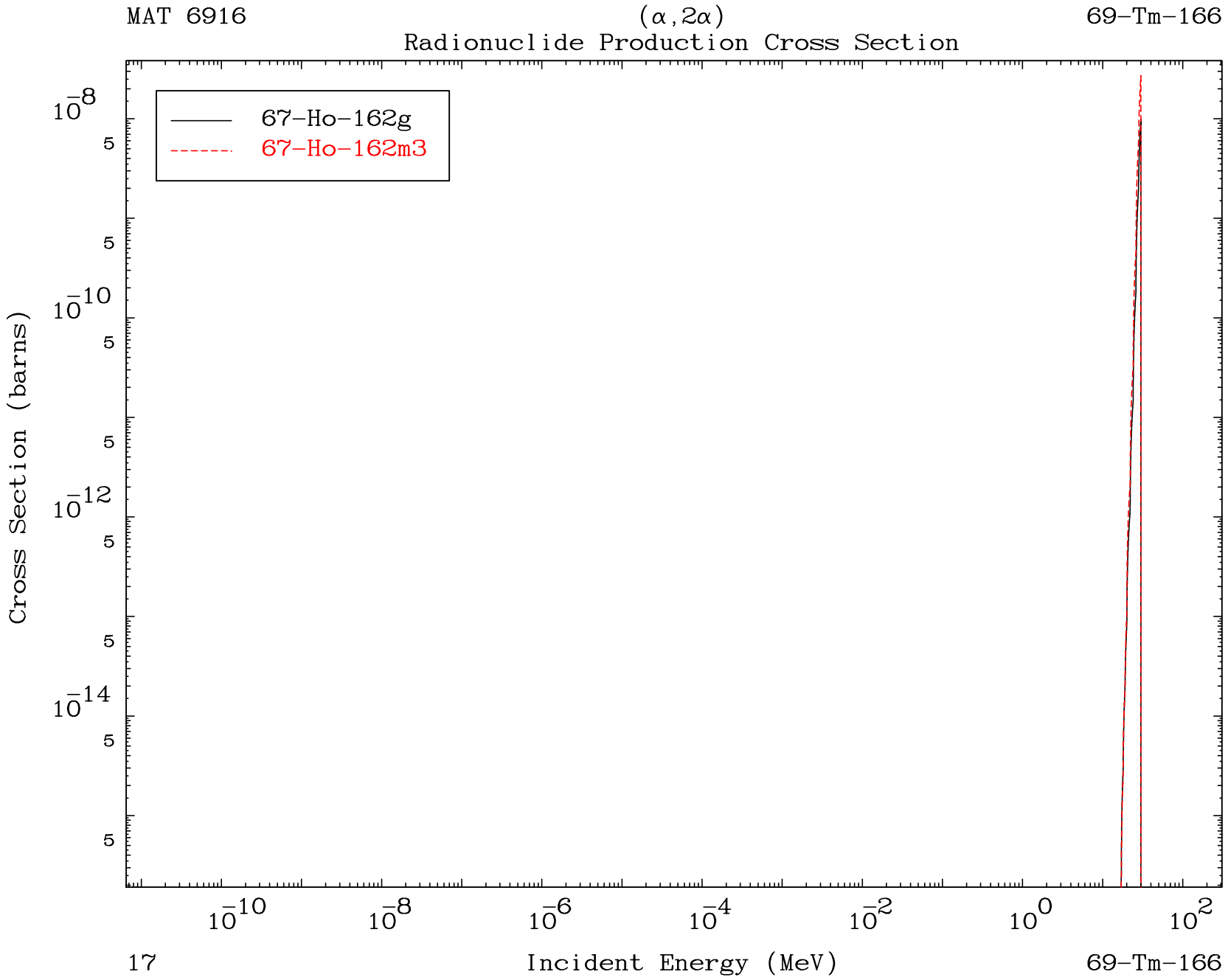

MAT 6916
(α,2n)
69-Tm-166
Radionuclide Production Cross Section
71-Lu-168g
71-Lu-168m1
Cross Section (barns)
10-1
10-2
10-3
2
3
4
5
6
7
8
9
10+2
Incident Energy (MeV)
12
69-Tm-166


MAT 6916
(α,3n)
69-Tm-166
Radionuclide Production Cross Section
71-Lu-167g
71-Lu-167m1
Cross Section (barns)
Incident Energy (MeV)
13
69-Tm-166


MAT 6916
(α,2n) α
69-Tm-166
Radionuclide Production Cross Section
69-Tm-164g
69-Tm-164m5
Cross Section (barns)
10-6
10-8
10-10
10-12
2
3
4
5
6
7
8
9
10 2
14
Incident Energy (MeV)
69-Tm-166


MAT 6916
(α,γ)
69-Tm-166
Radionuclide Production Cross Section
71-Lu-170g
71-Lu-170m2
Cross Section (barns)
Incident Energy (MeV)
15
69-Tm-166


MAT 6916
(α,p)
69-Tm-166
Radionuclide Production Cross Section
70-Yb-169g
70-Yb-169m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
16
Incident Energy (MeV)
69-Tm-166


MAT 6916
(α,2α)
69-Tm-166
Radionuclide Production Cross Section
67-Ho-162g
67-Ho-162m3
Cross Section (barns)
Incident Energy (MeV)
17
69-Tm-166