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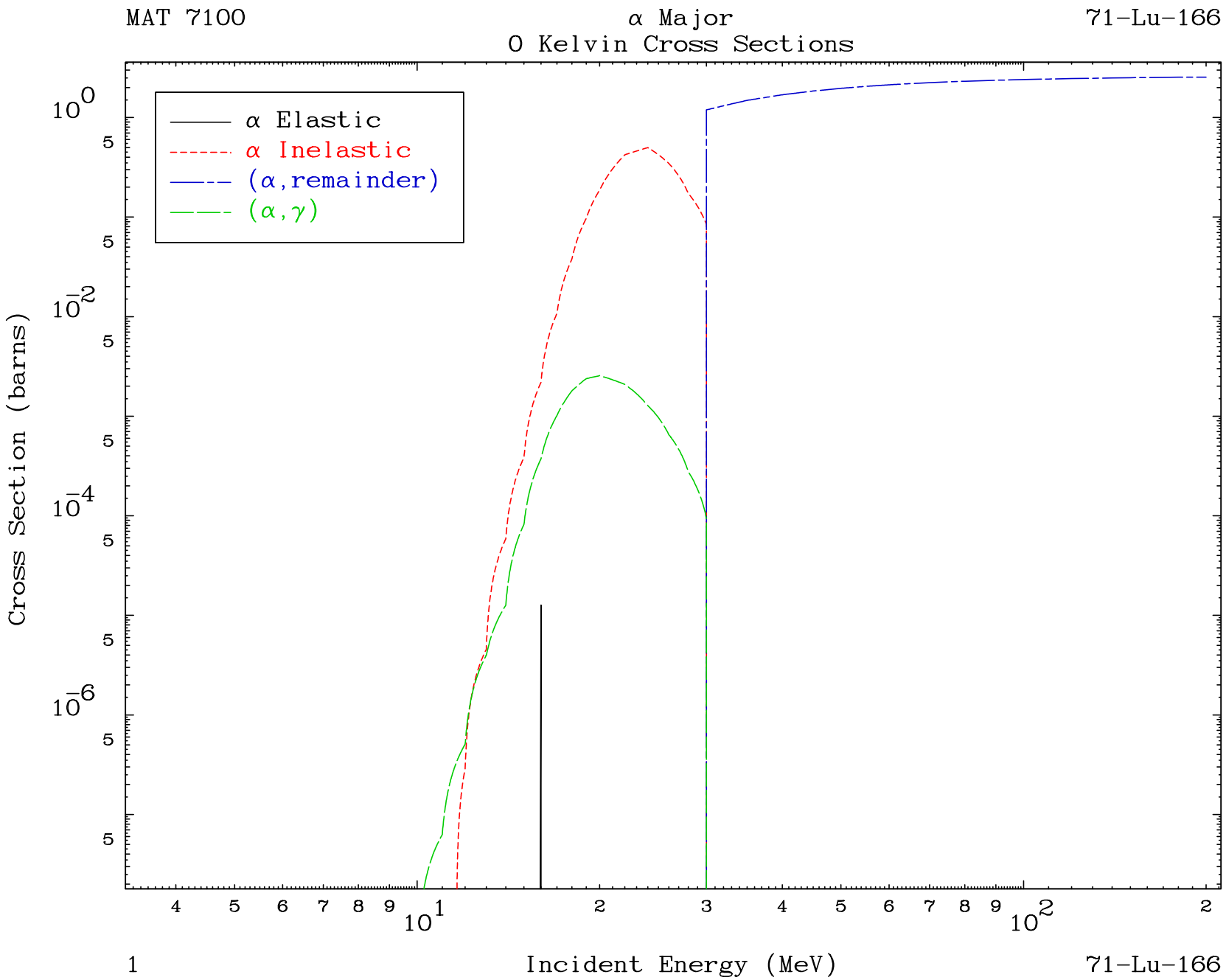
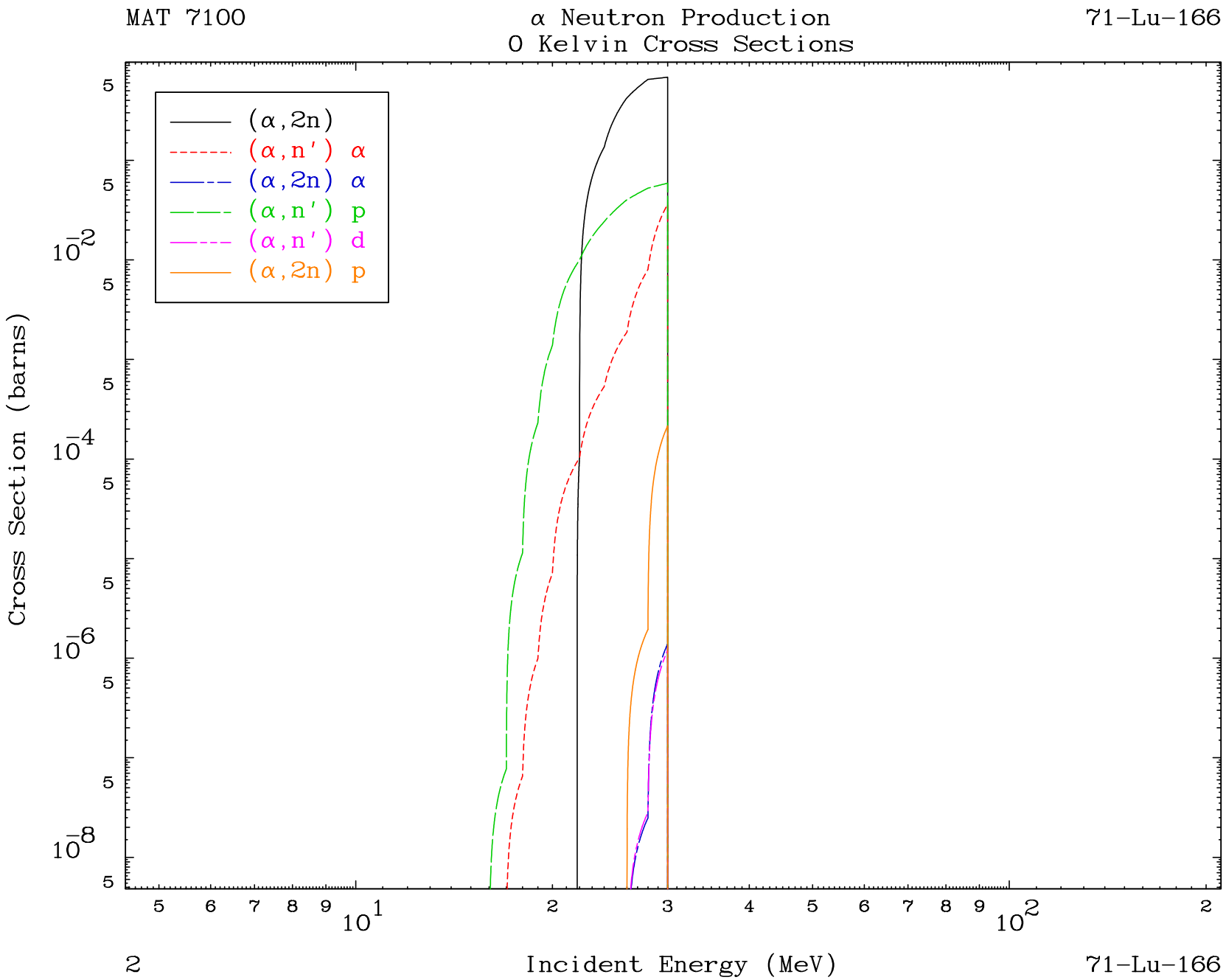
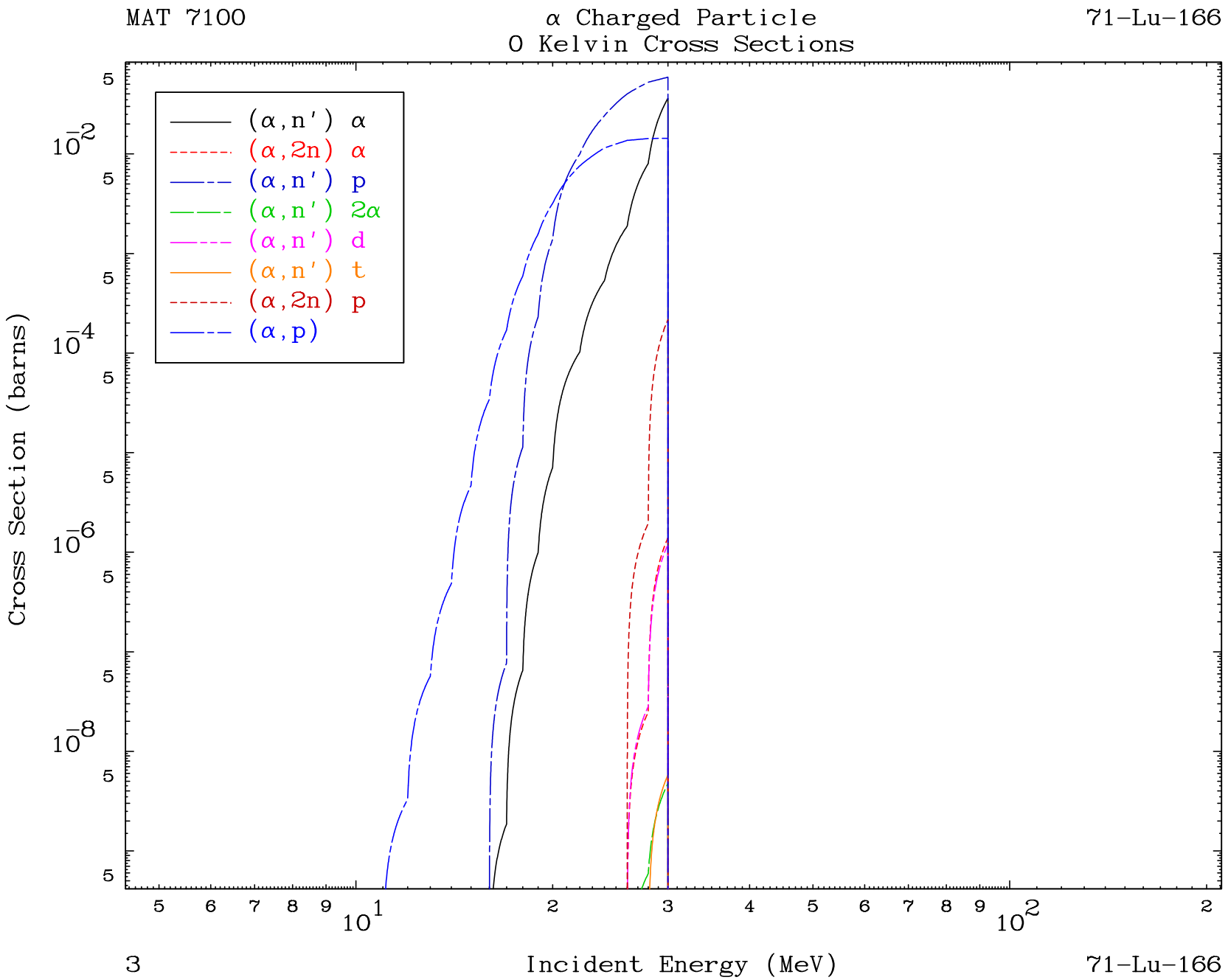
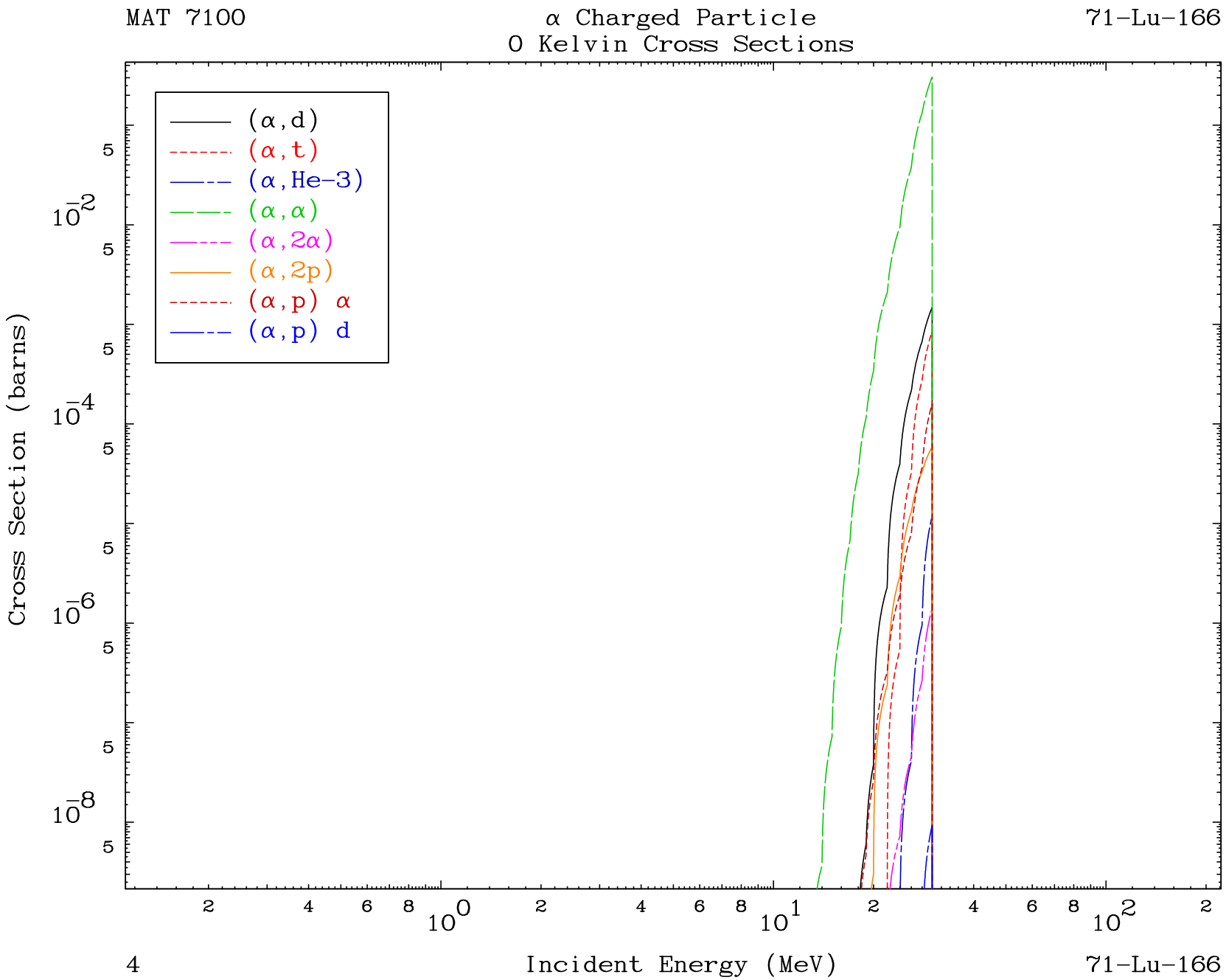
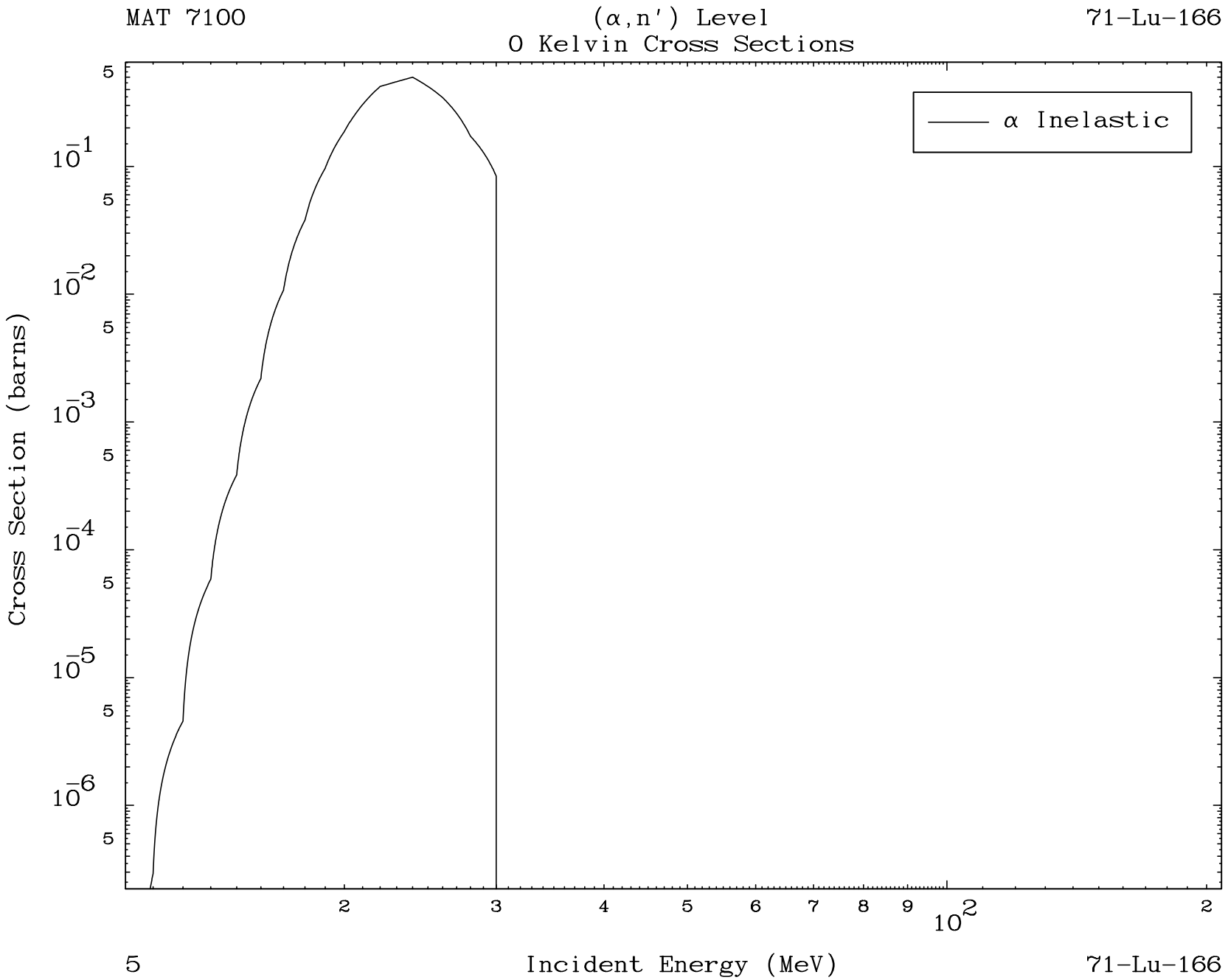
Press Mouse Button to Start

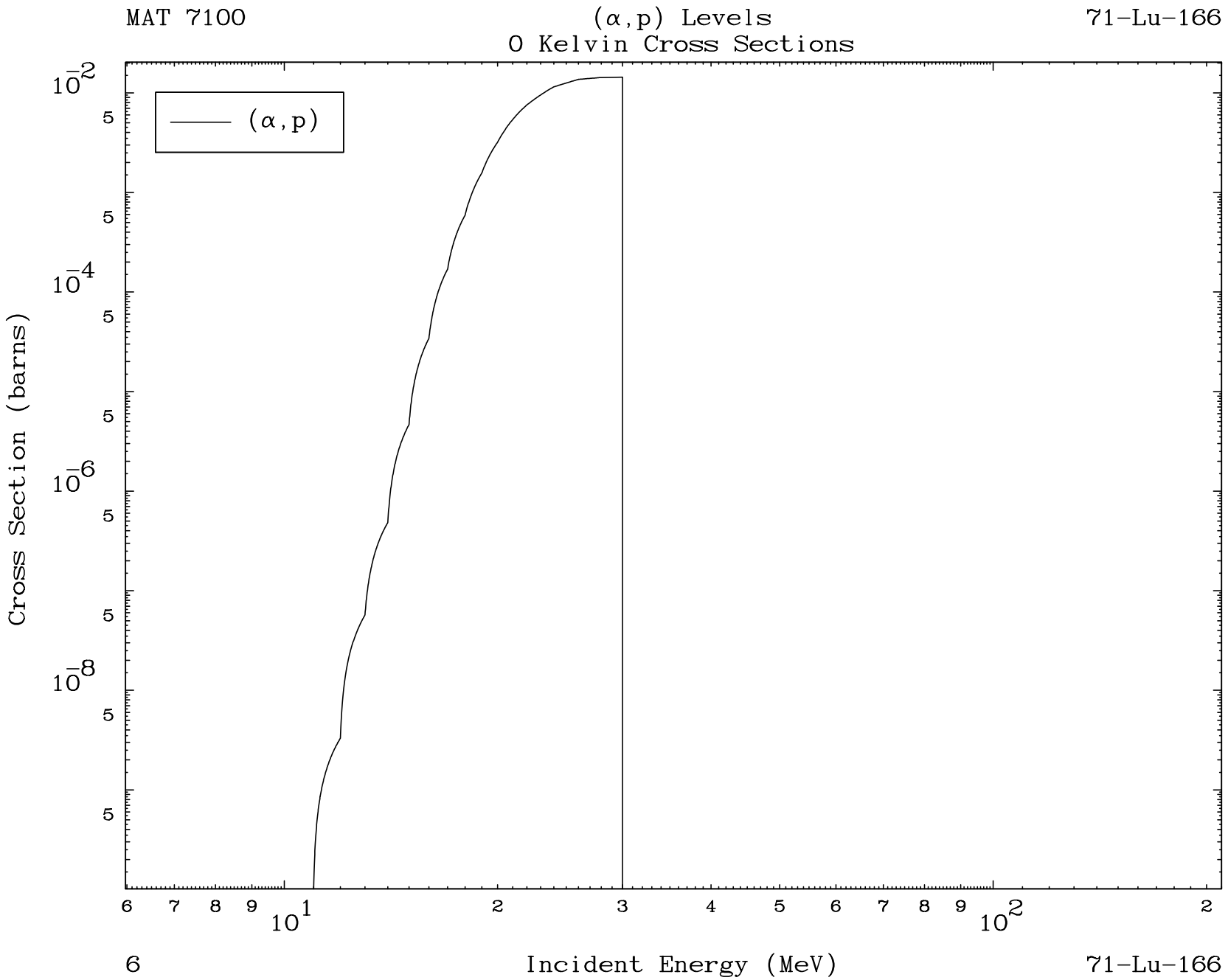

MAT 7100
α Major
71-Lu-166
0 Kelvin Cross Sections
α Elastic
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-166

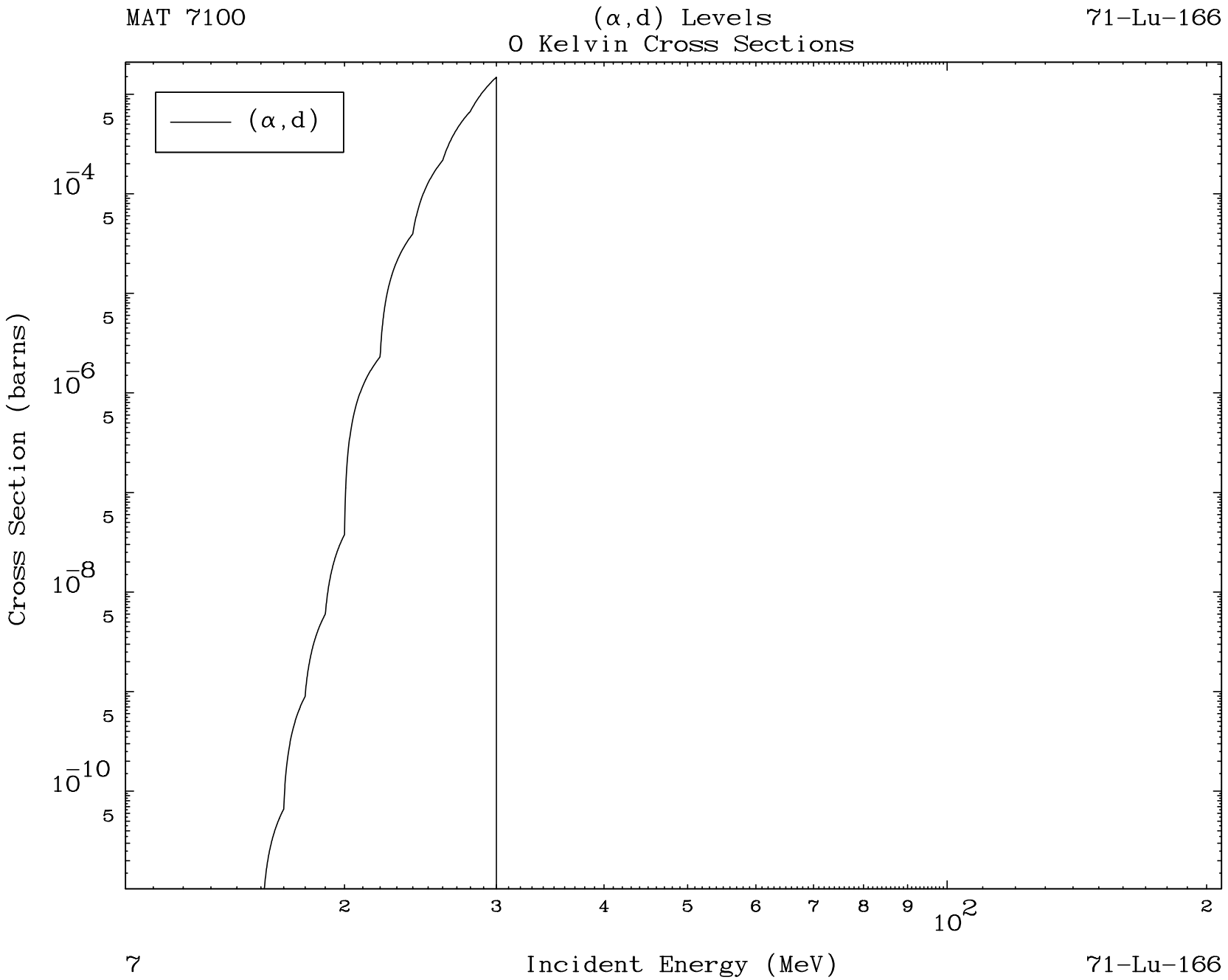

MAT 7100
α Neutron Production
0 Kelvin Cross Sections
71-Lu-166
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
71-Lu-166
2

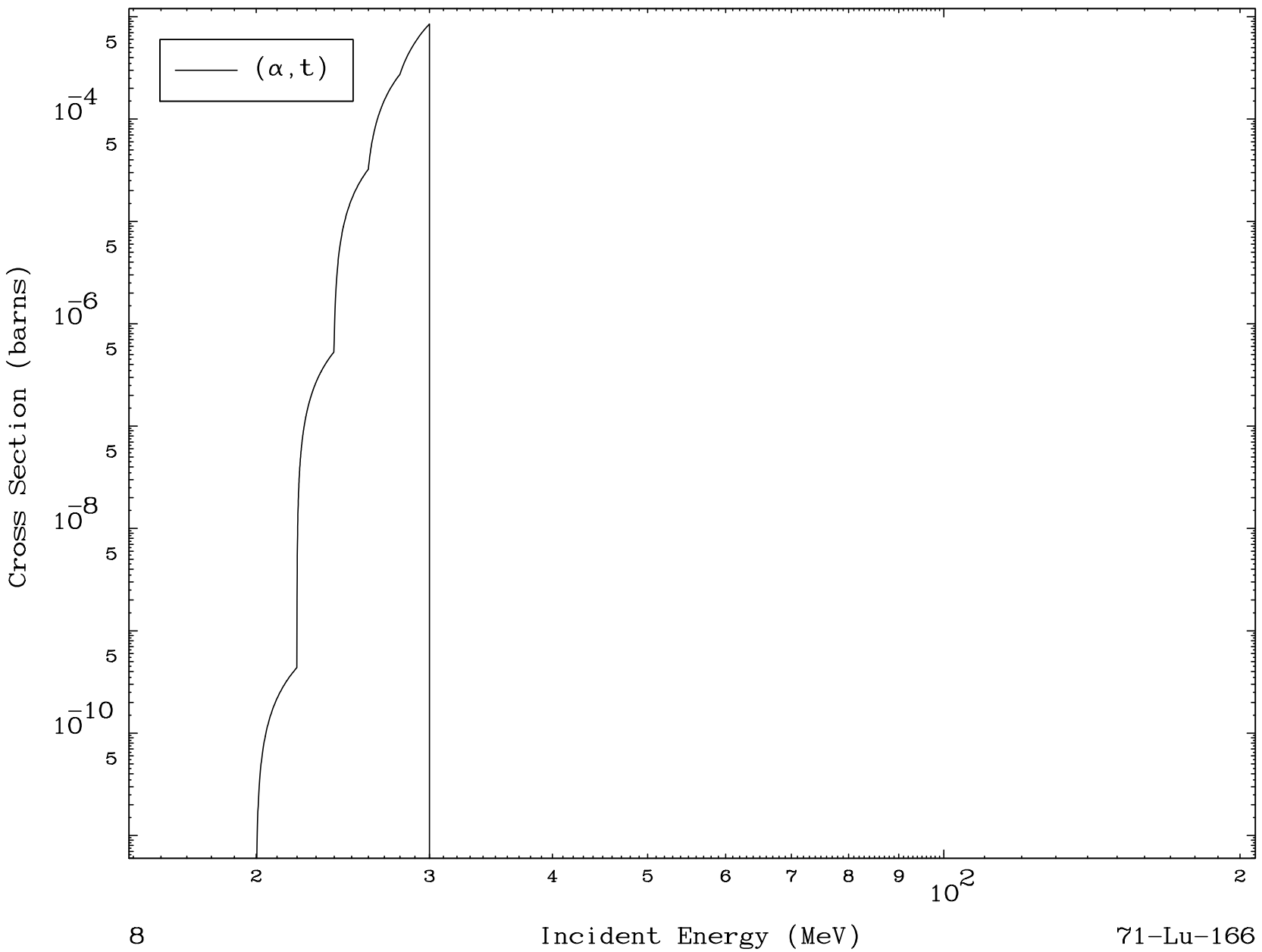

MAT 7100
α Charged Particle
0 Kelvin Cross Sections
71-Lu-166
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,n') t
(α,2n) p
(α,p)
Cross Section (barns)
Incident Energy (MeV)
3
71-Lu-166

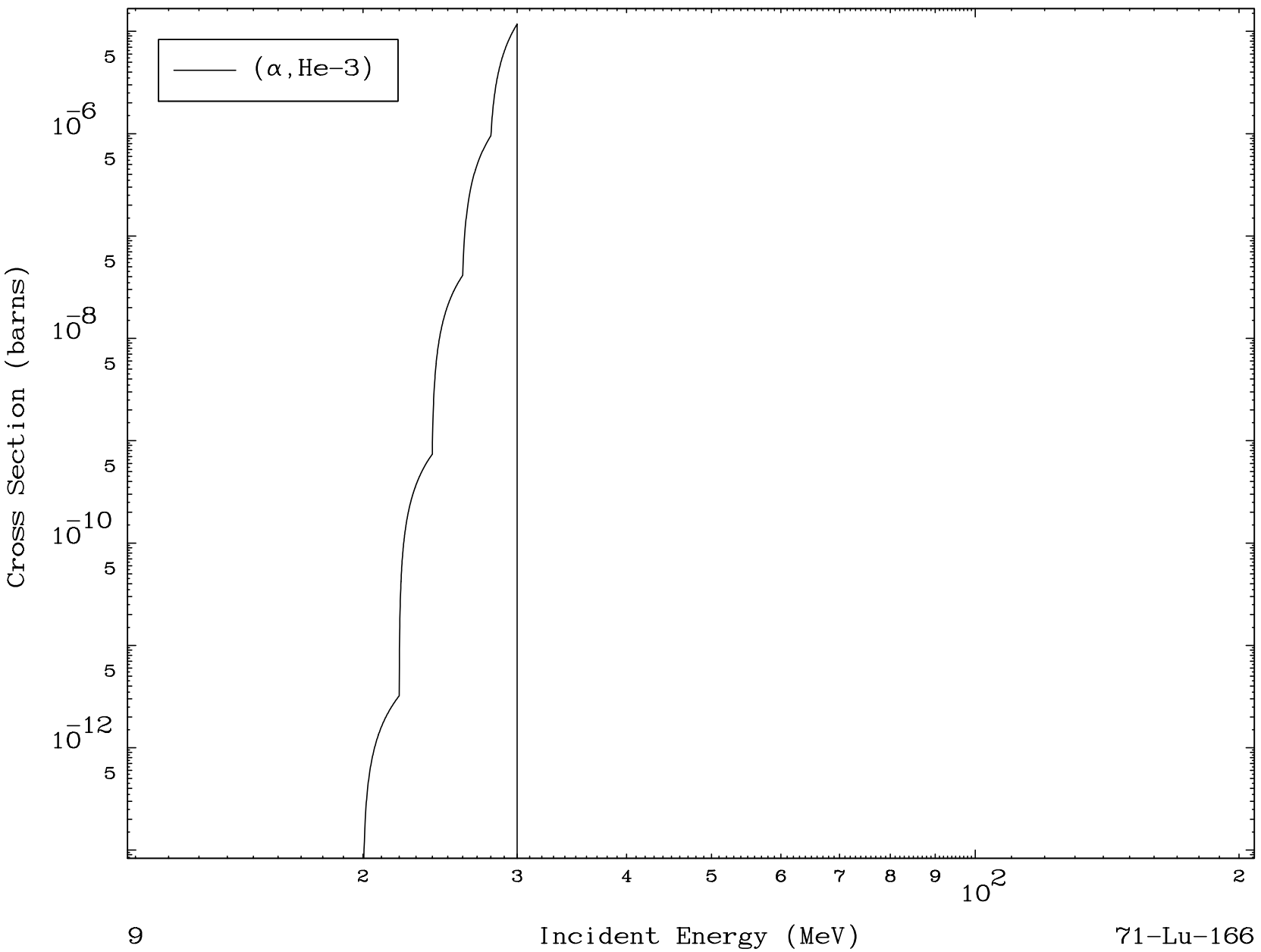

MAT 7100
α Charged Particle
0 Kelvin Cross Sections
71-Lu-166
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
Cross Section (barns)
Incident Energy (MeV)
4
71-Lu-166

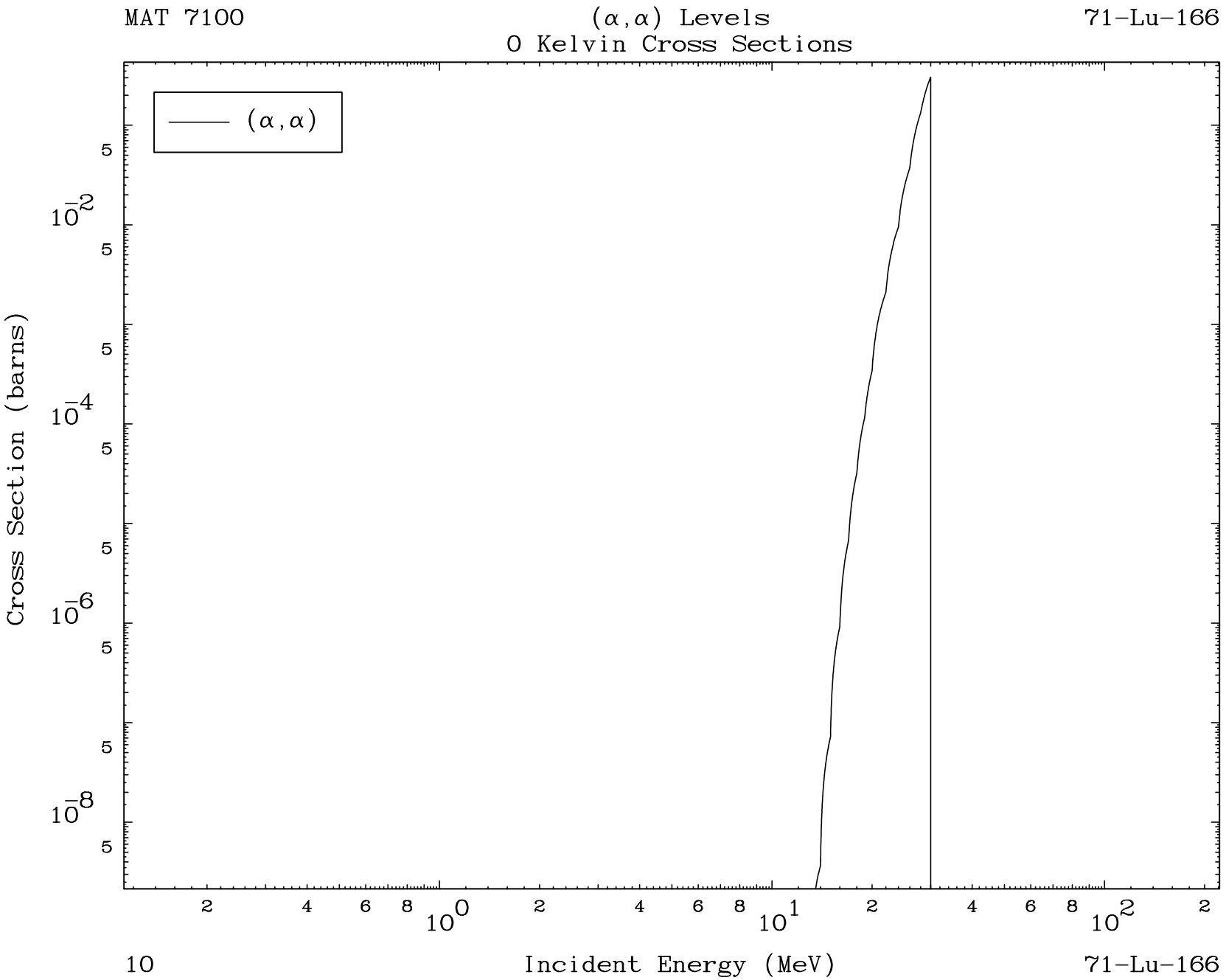

MAT 7100
(α,n') Level
71-Lu-166
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
5
71-Lu-166

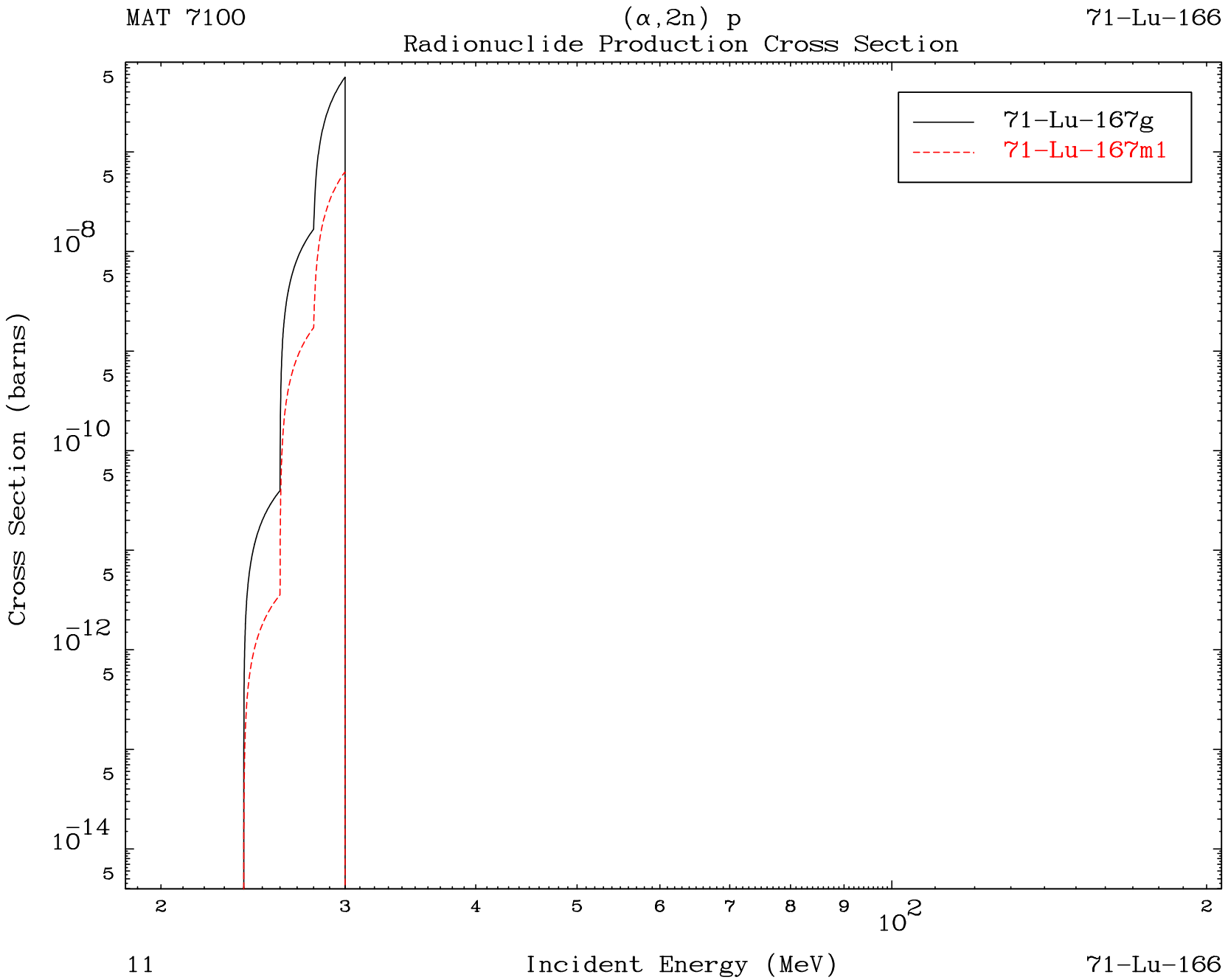

MAT 7100
(α,p) Levels
71-Lu-166
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-166
6

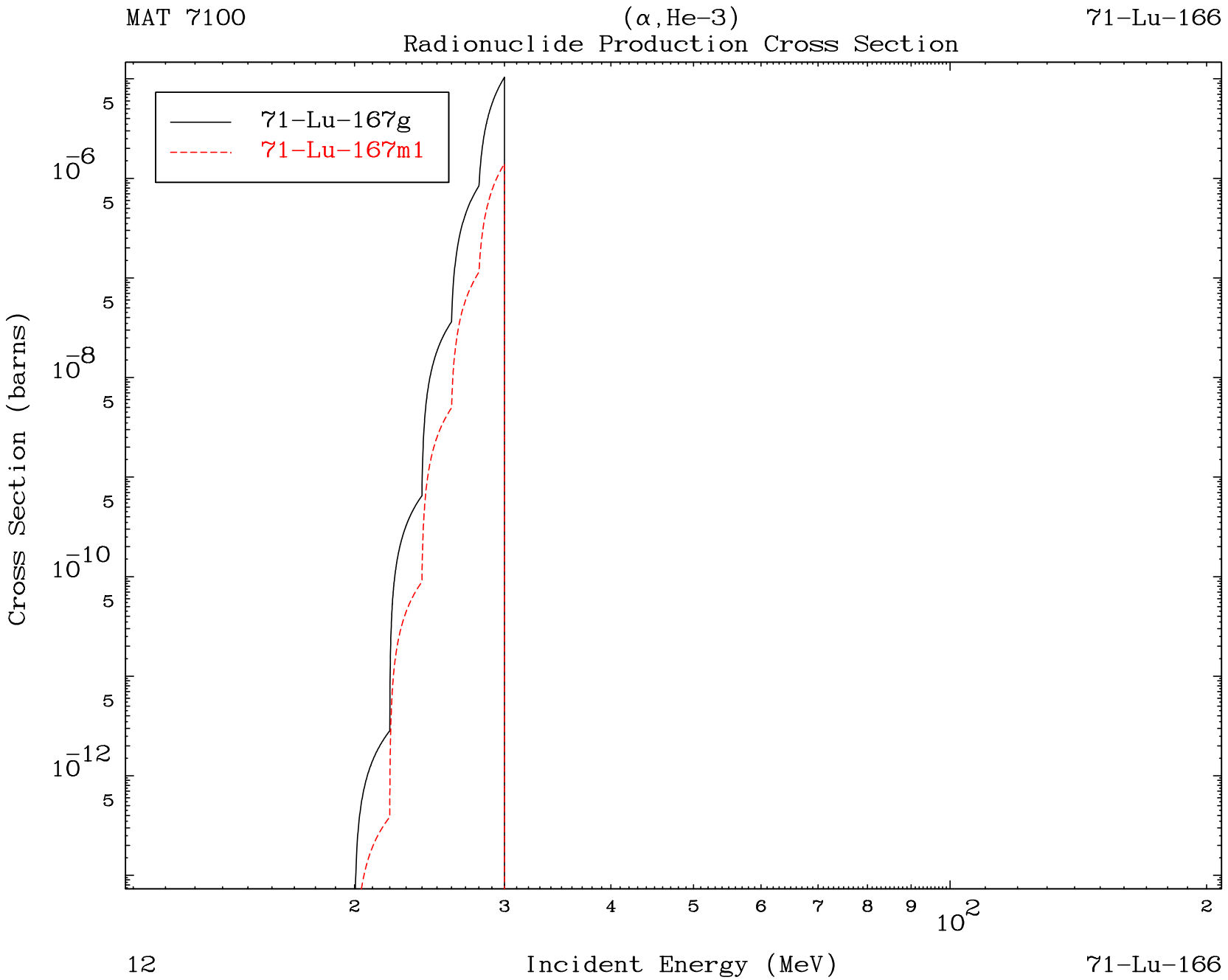

MAT 7100
(α,d) Levels
71-Lu-166
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
71-Lu-166

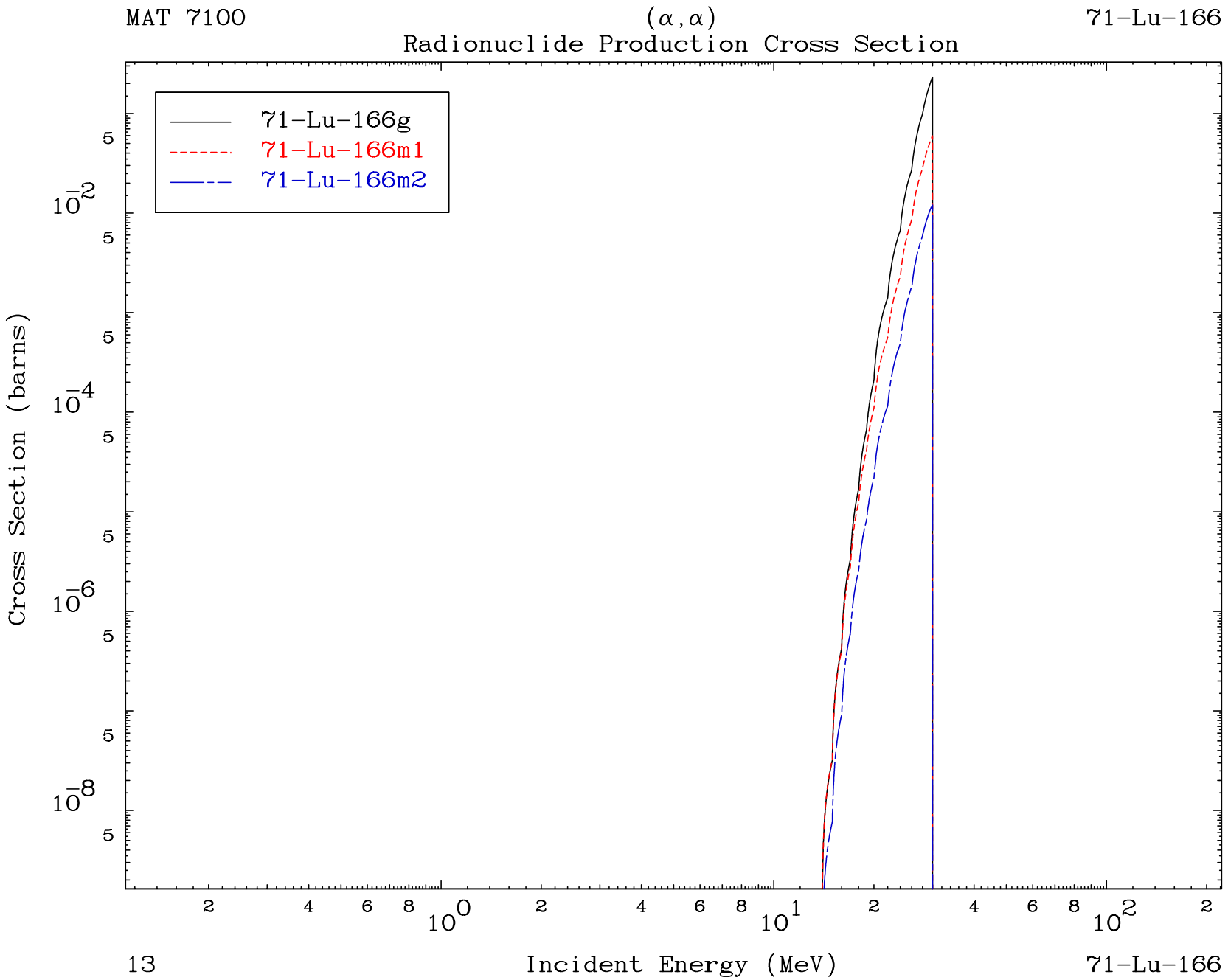

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

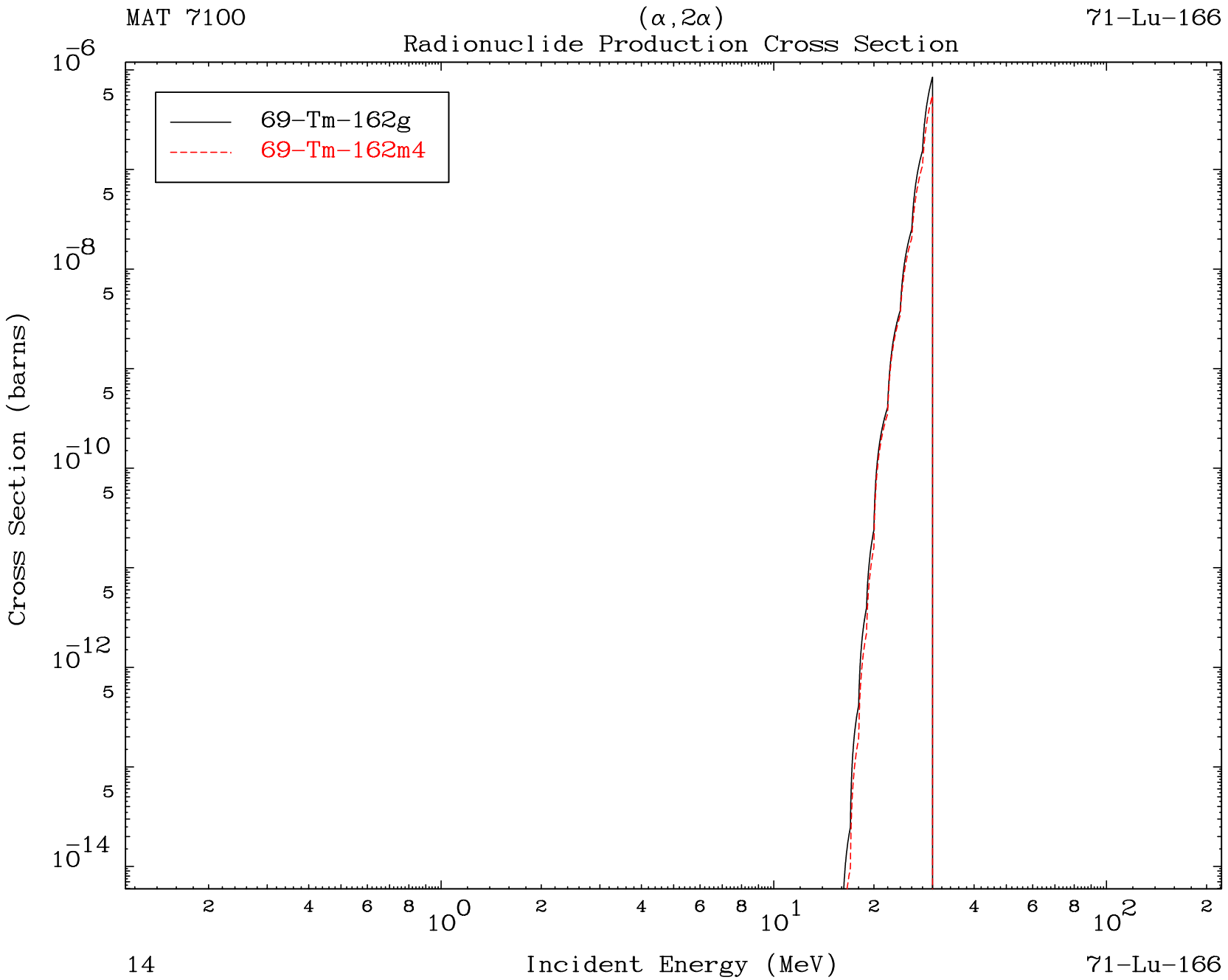

0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

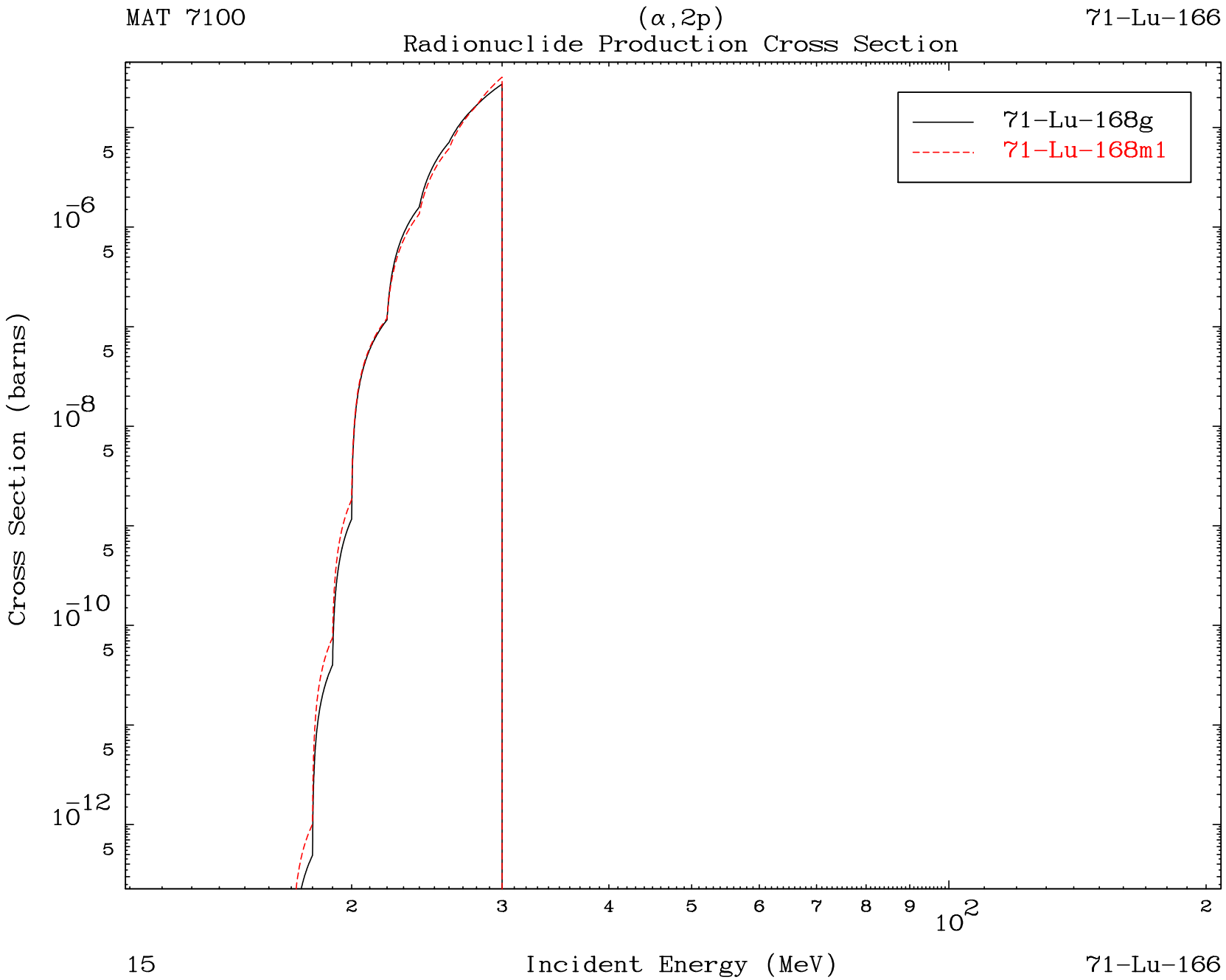

MAT 7100
(α,α) Levels
71-Lu-166
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
71-Lu-166

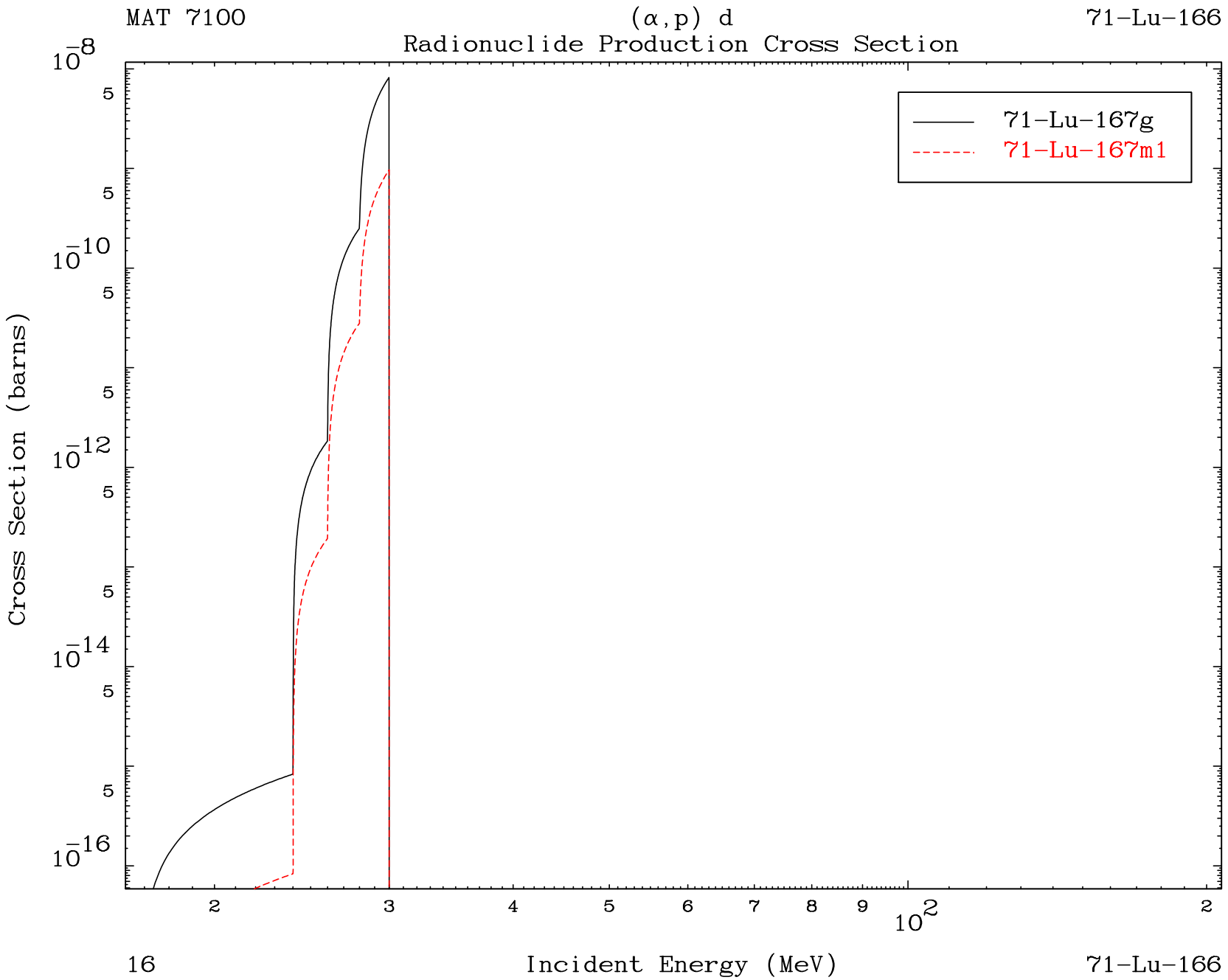

MAT 7100
(α,2n) p
71-Lu-166
Radionuclide Production Cross Section
71-Lu-167g
71-Lu-167m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
11
Incident Energy (MeV)
71-Lu-166


MAT 7100
(α,He-3)
71-Lu-166
Radionuclide Production Cross Section
71-Lu-167g
71-Lu-167m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
71-Lu-166


MAT 7100
(α,α)
71-Lu-166
Radionuclide Production Cross Section
71-Lu-166g
71-Lu-166m1
71-Lu-166m2
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
13
71-Lu-166


MAT 7100
(α,2α)
71-Lu-166
Radionuclide Production Cross Section
69-Tm-162g
69-Tm-162m4
Cross Section (barns)
Incident Energy (MeV)
14
71-Lu-166


MAT 7100
(α,2p)
71-Lu-166
Radionuclide Production Cross Section
71-Lu-168g
71-Lu-168m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
15
71-Lu-166


MAT 7100
(α,p) d
71-Lu-166
Radionuclide Production Cross Section
71-Lu-167g
71-Lu-167m1
Cross Section (barns)
Incident Energy (MeV)
16
71-Lu-166