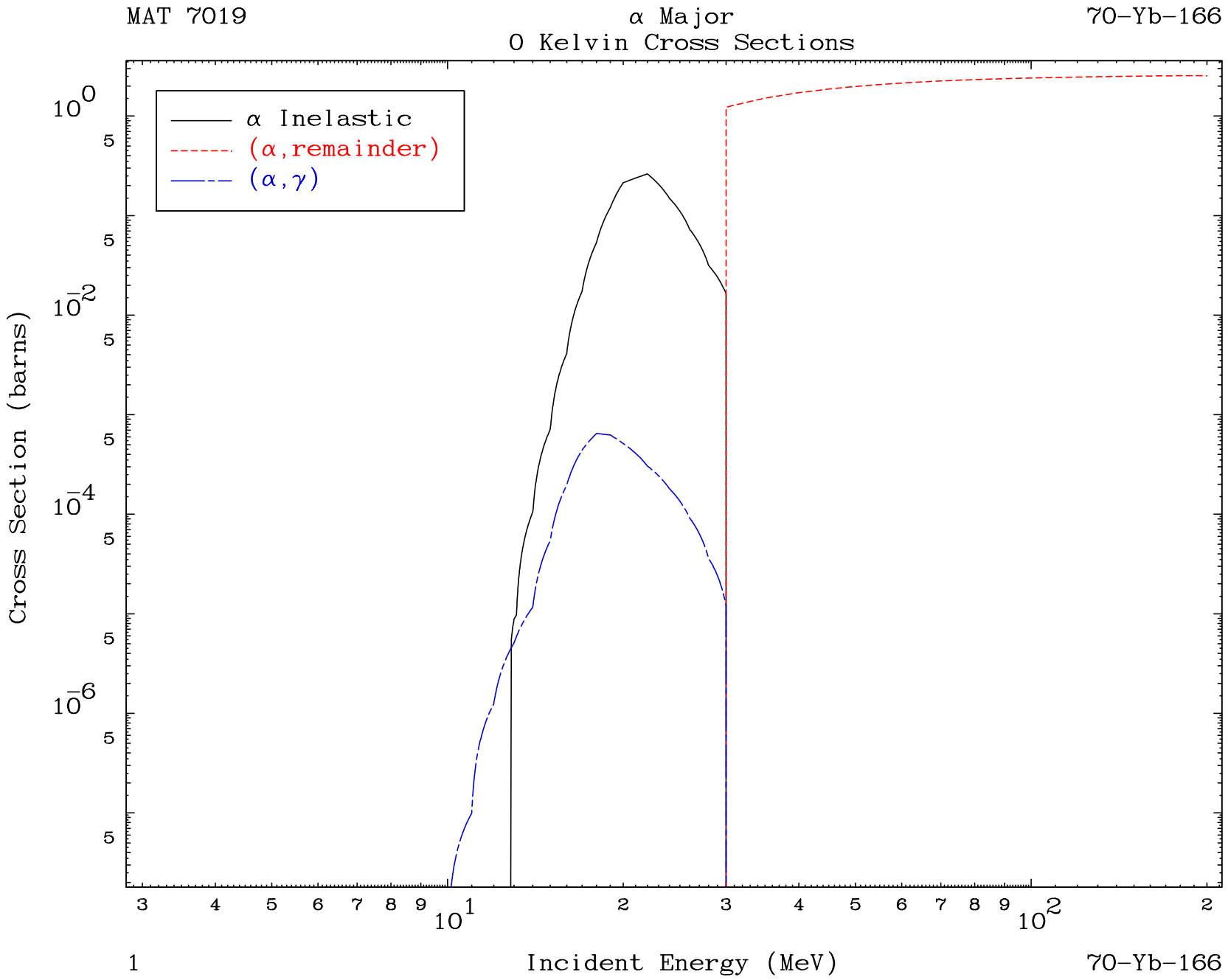
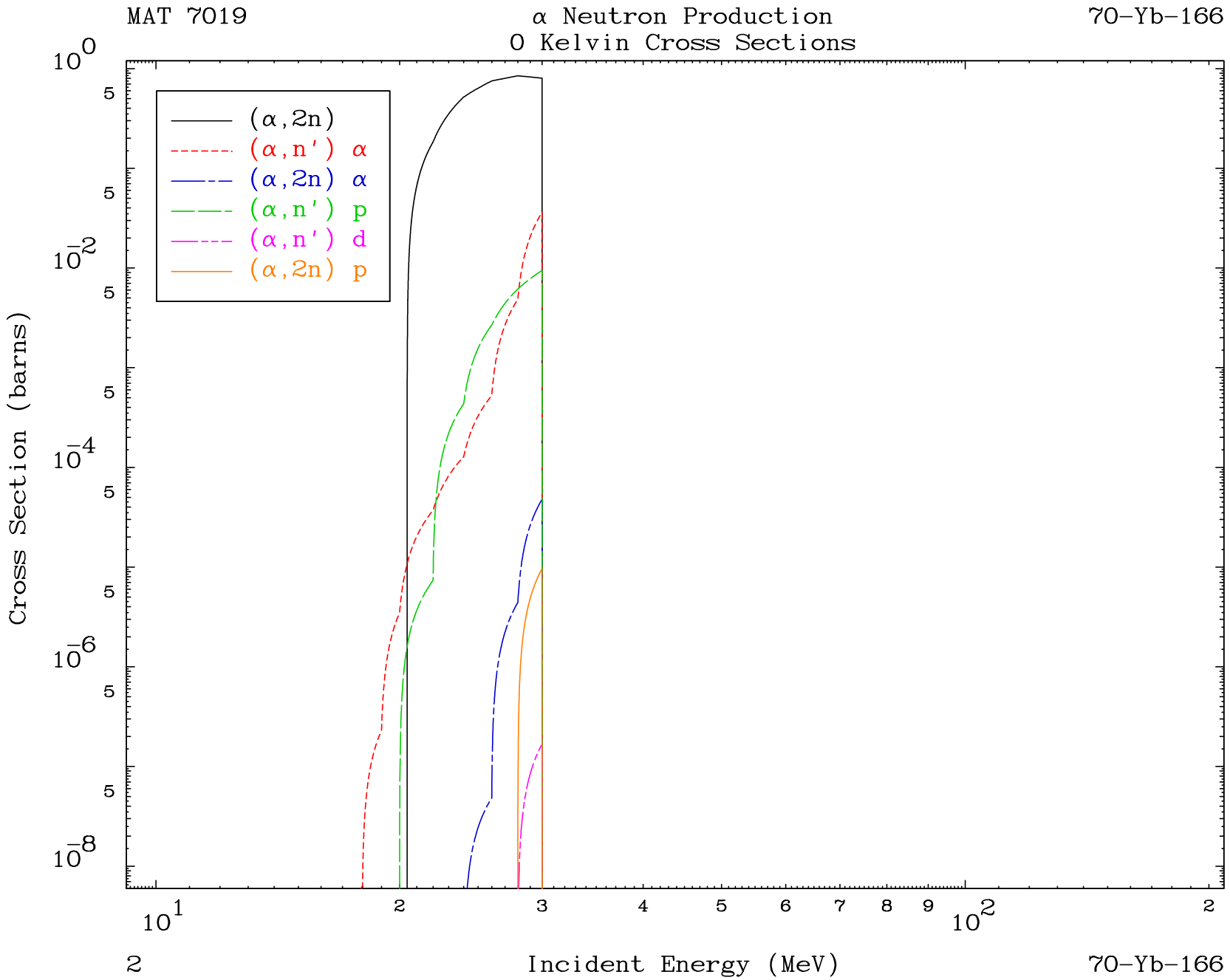
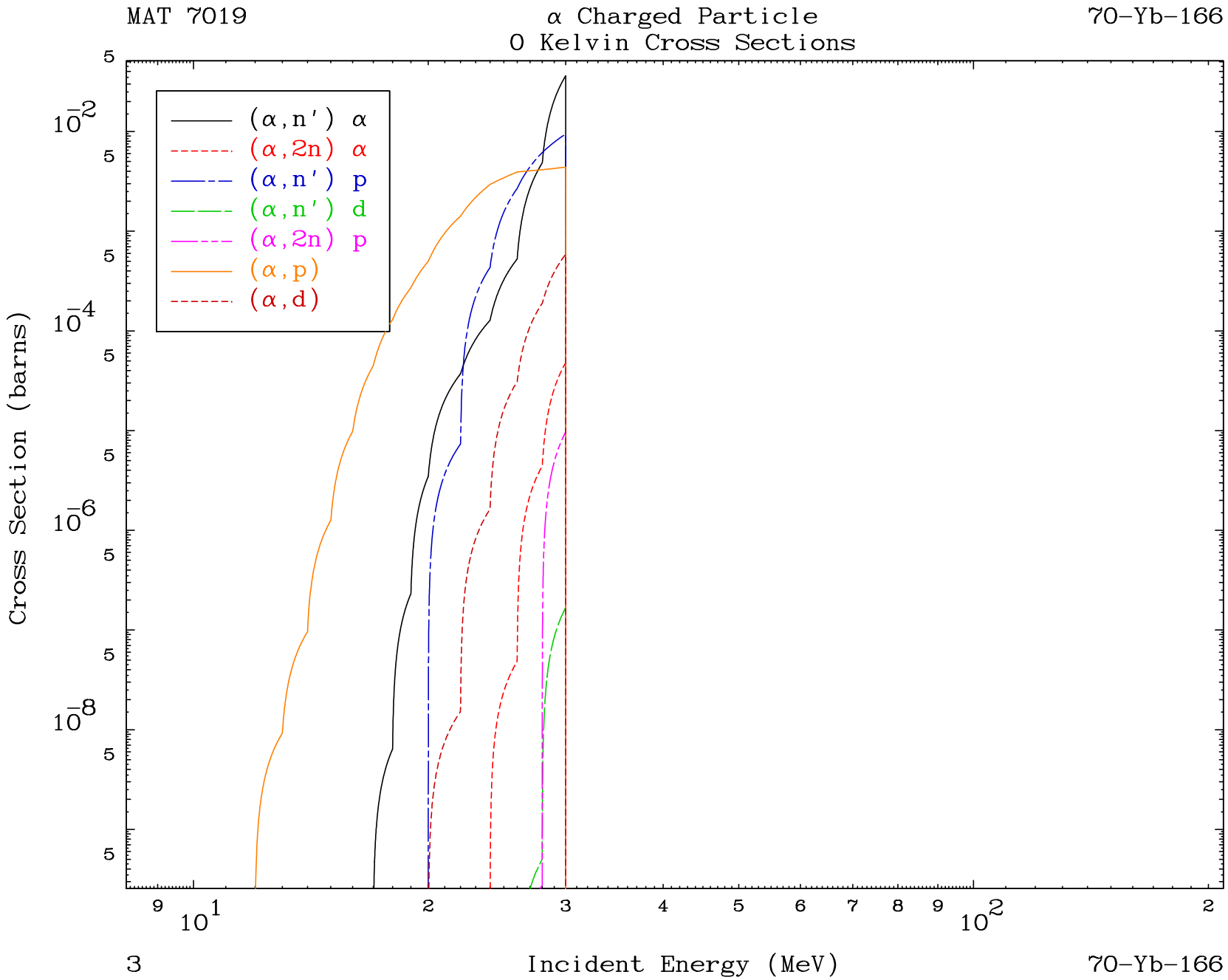
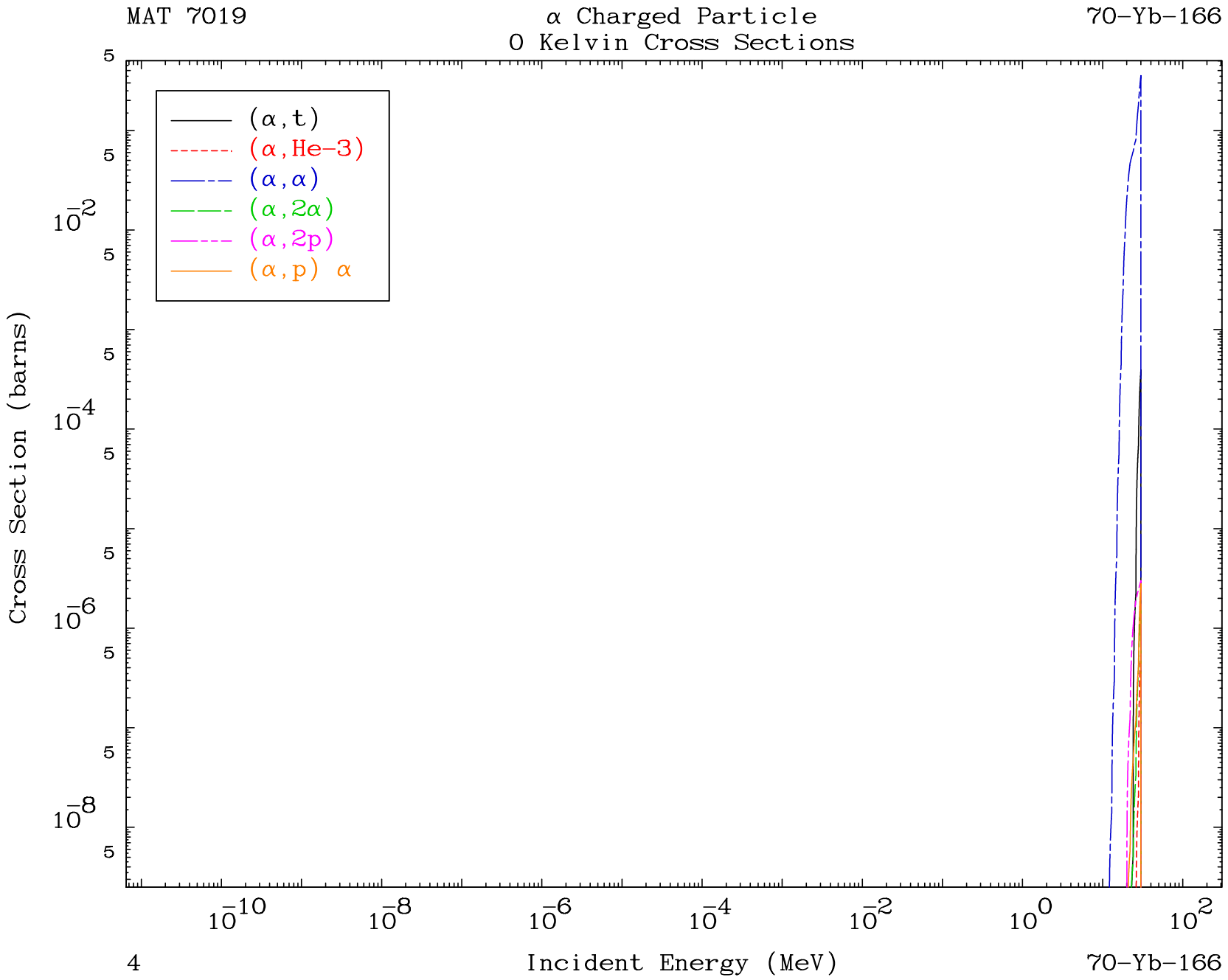
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

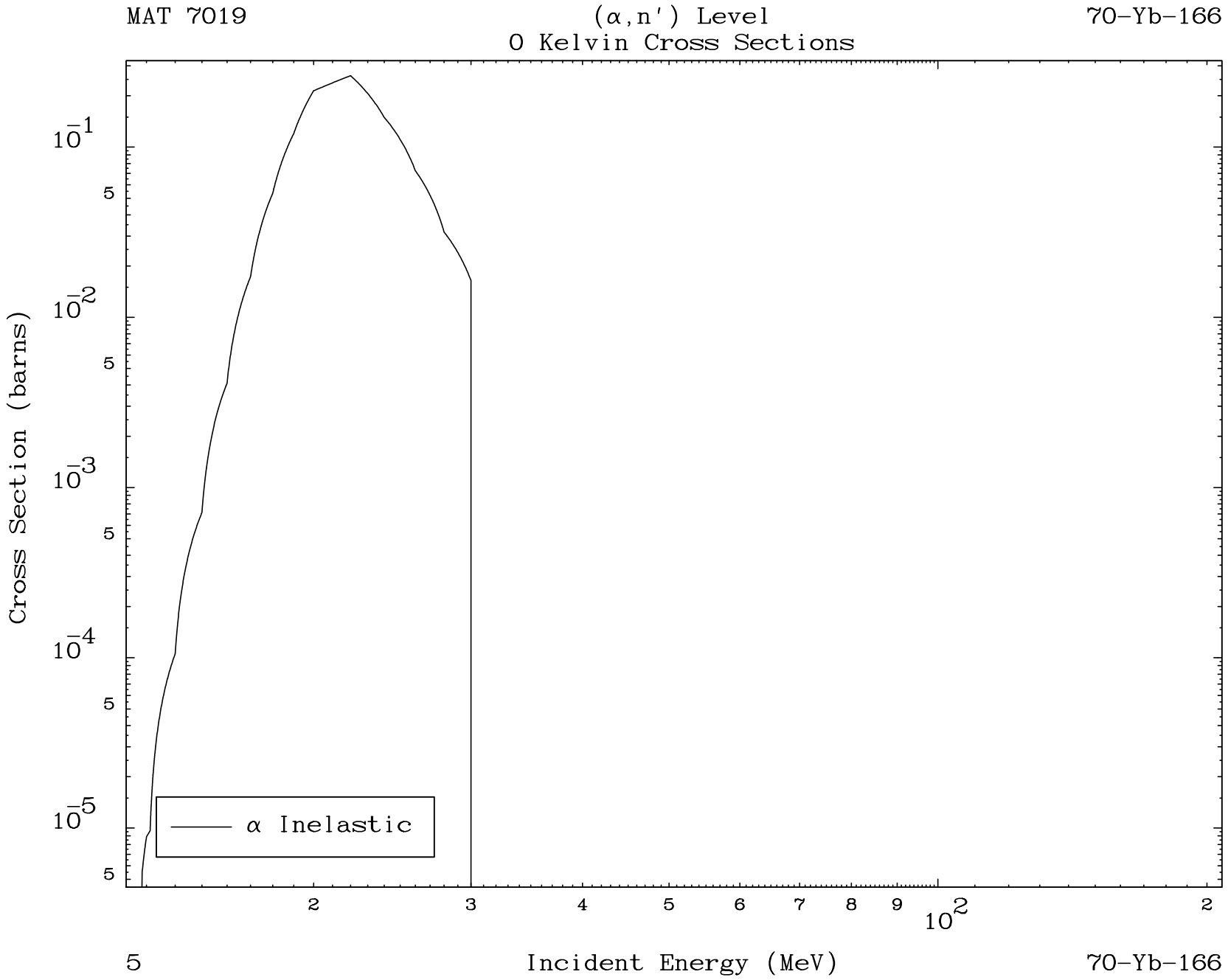
Press Mouse Button to Start

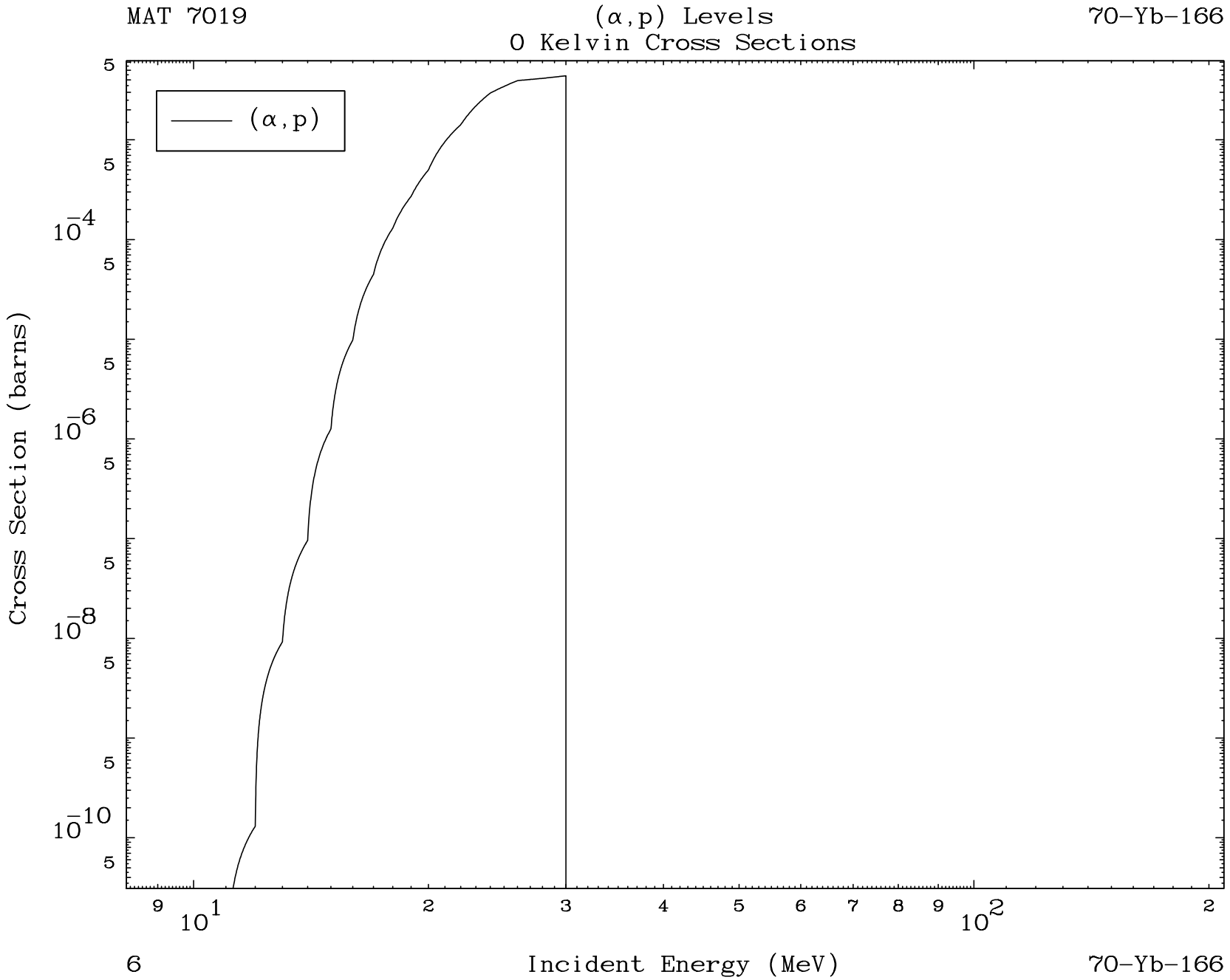

MAT 7019
α Major
70-Yb-166
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
70-Yb-166

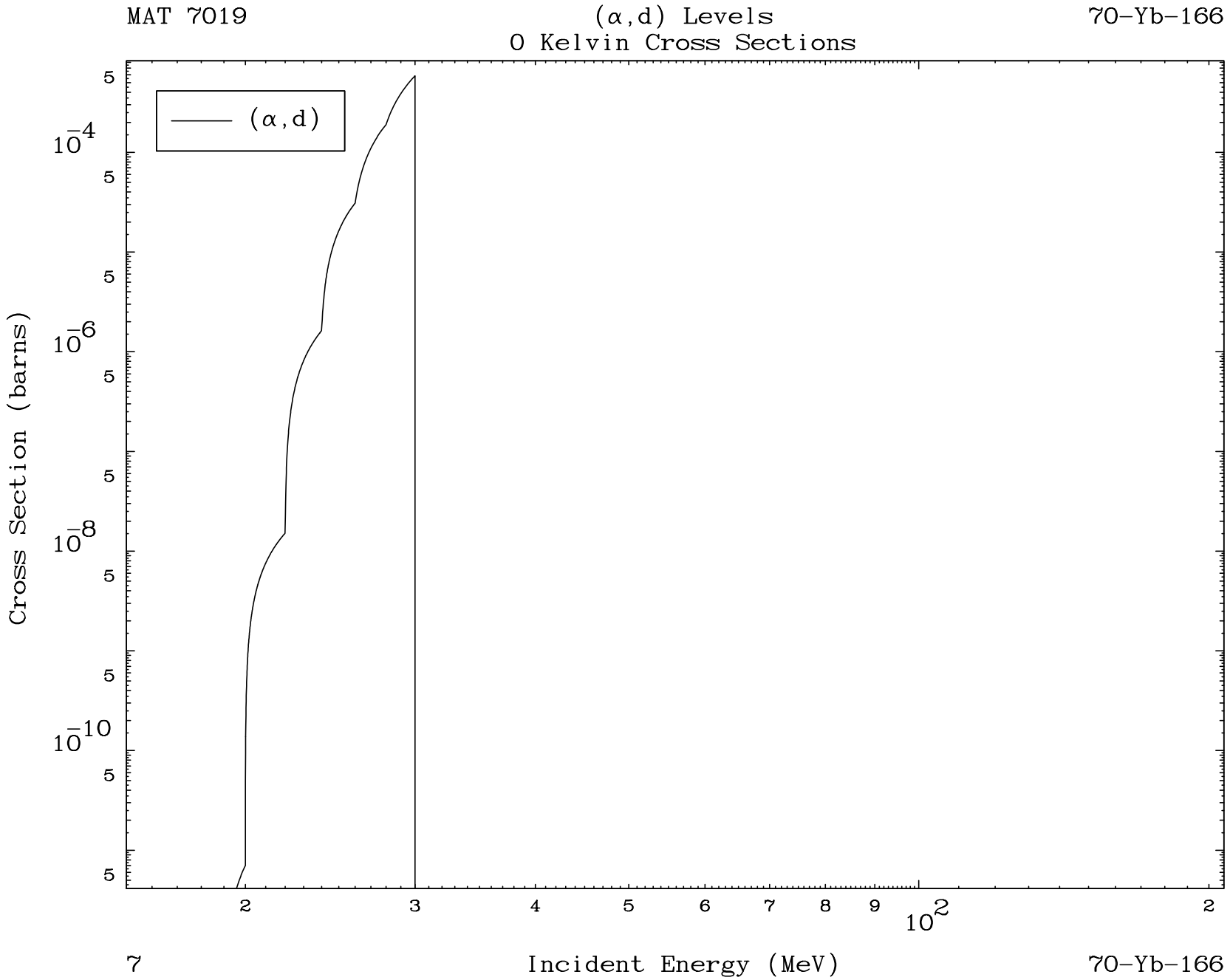

MAT 7019
α Neutron Production
0 Kelvin Cross Sections
70-Yb-166
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
70-Yb-166

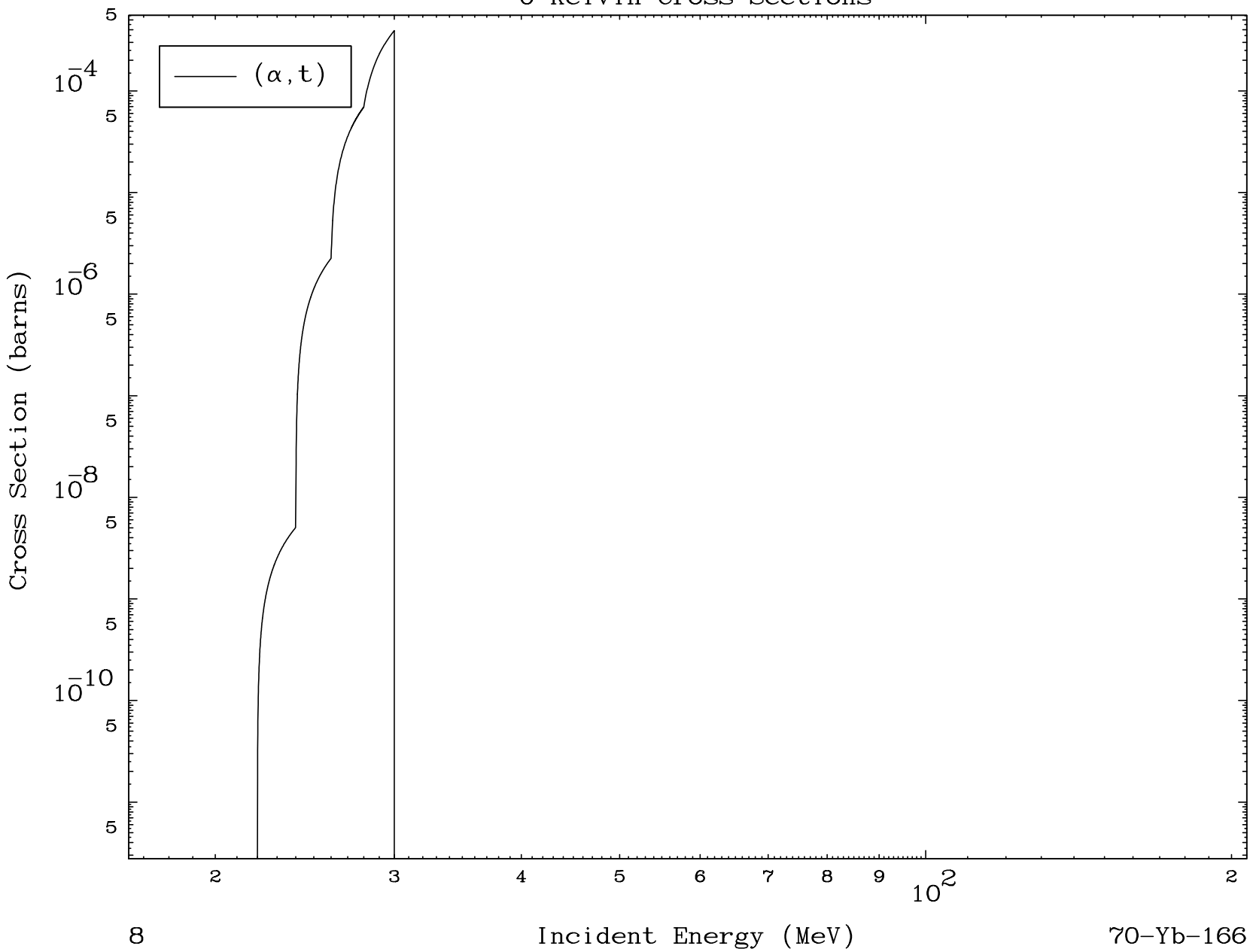

MAT 7019
α Charged Particle
0 Kelvin Cross Sections
70-Yb-166
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,2n) p
(α,p)
(α,d)
Cross Section (barns)
Incident Energy (MeV)
3
70-Yb-166

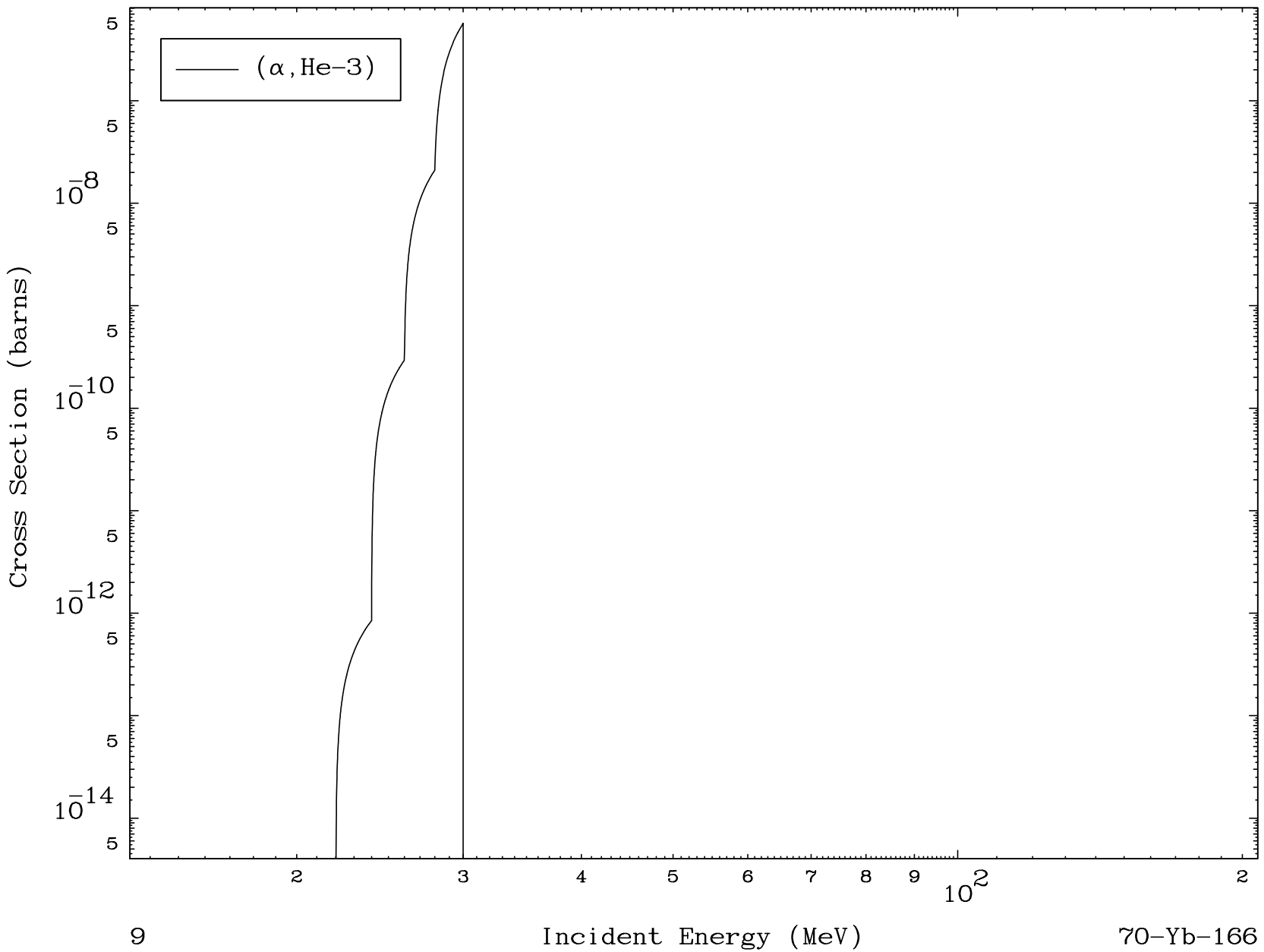

MAT 7019
α Charged Particle
0 Kelvin Cross Sections
70-Yb-166
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
Cross Section (barns)
Incident Energy (MeV)
4
70-Yb-166

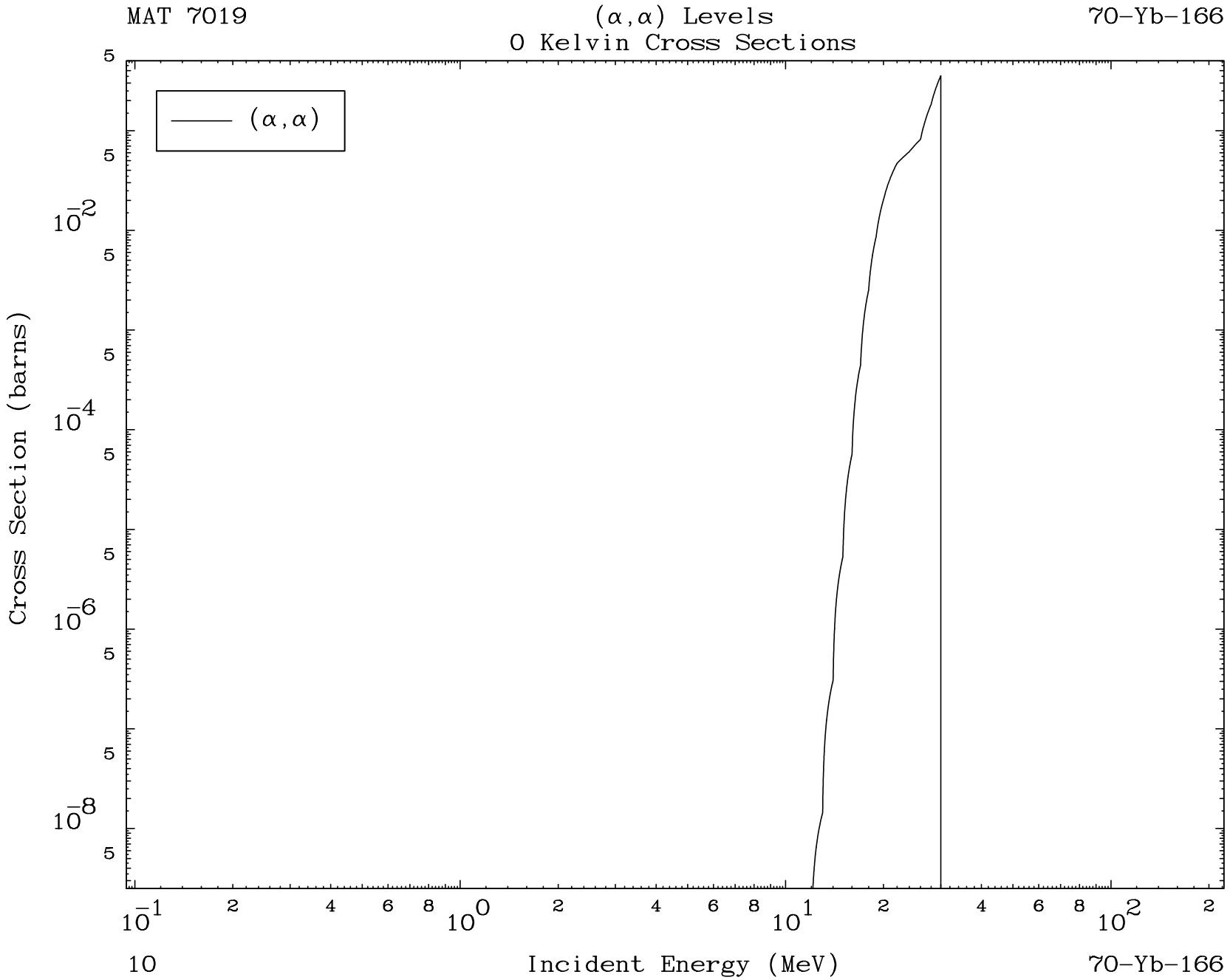

MAT 7019
(α,n') Level
70-Yb-166
0 Kelvin Cross Sections
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
5
α Inelastic
2
3
4
5
6
7
8
9
10 2
2
5
Incident Energy (MeV)
70-Yb-166

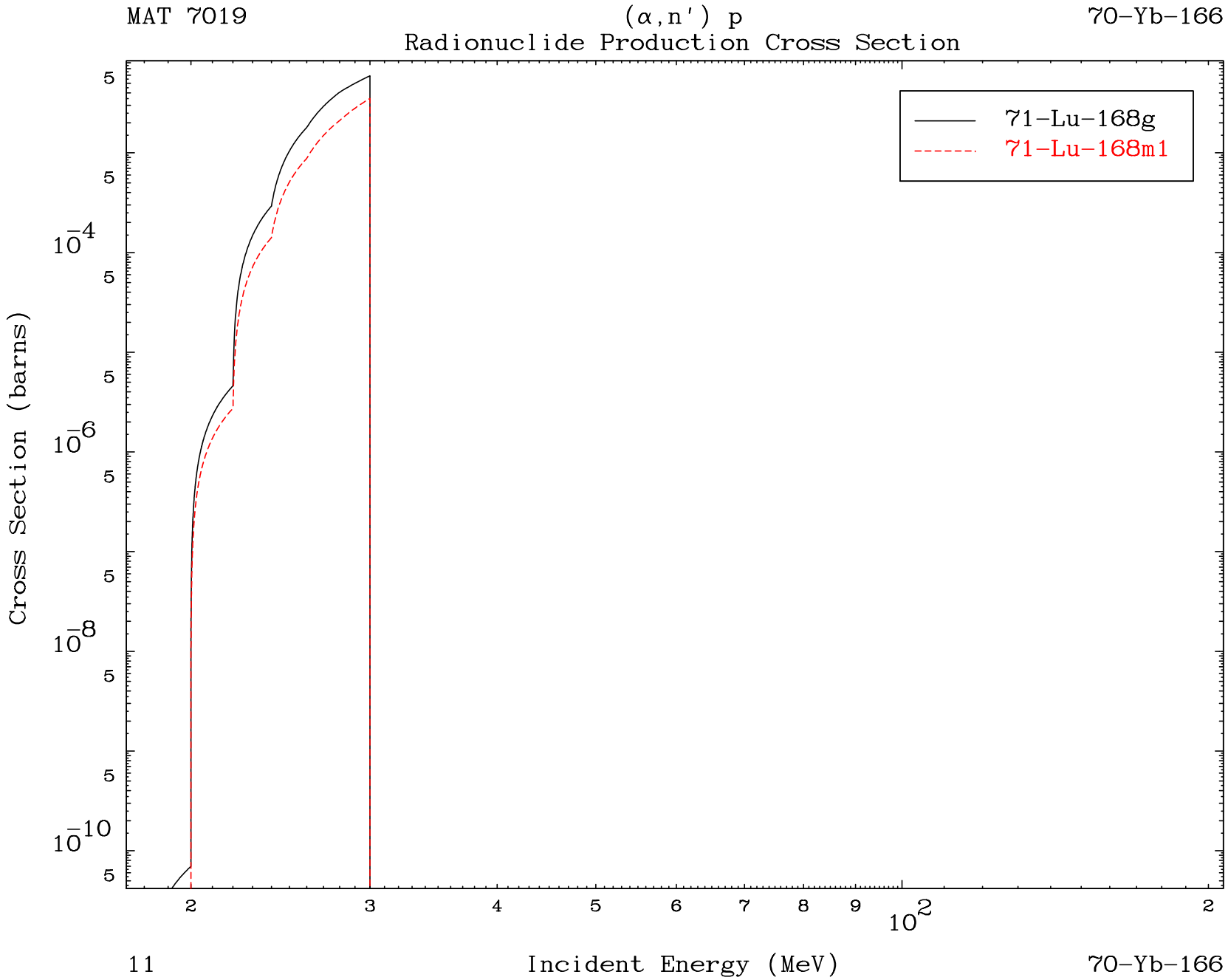

MAT 7019
(α,p) Levels
70-Yb-166
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
6
70-Yb-166

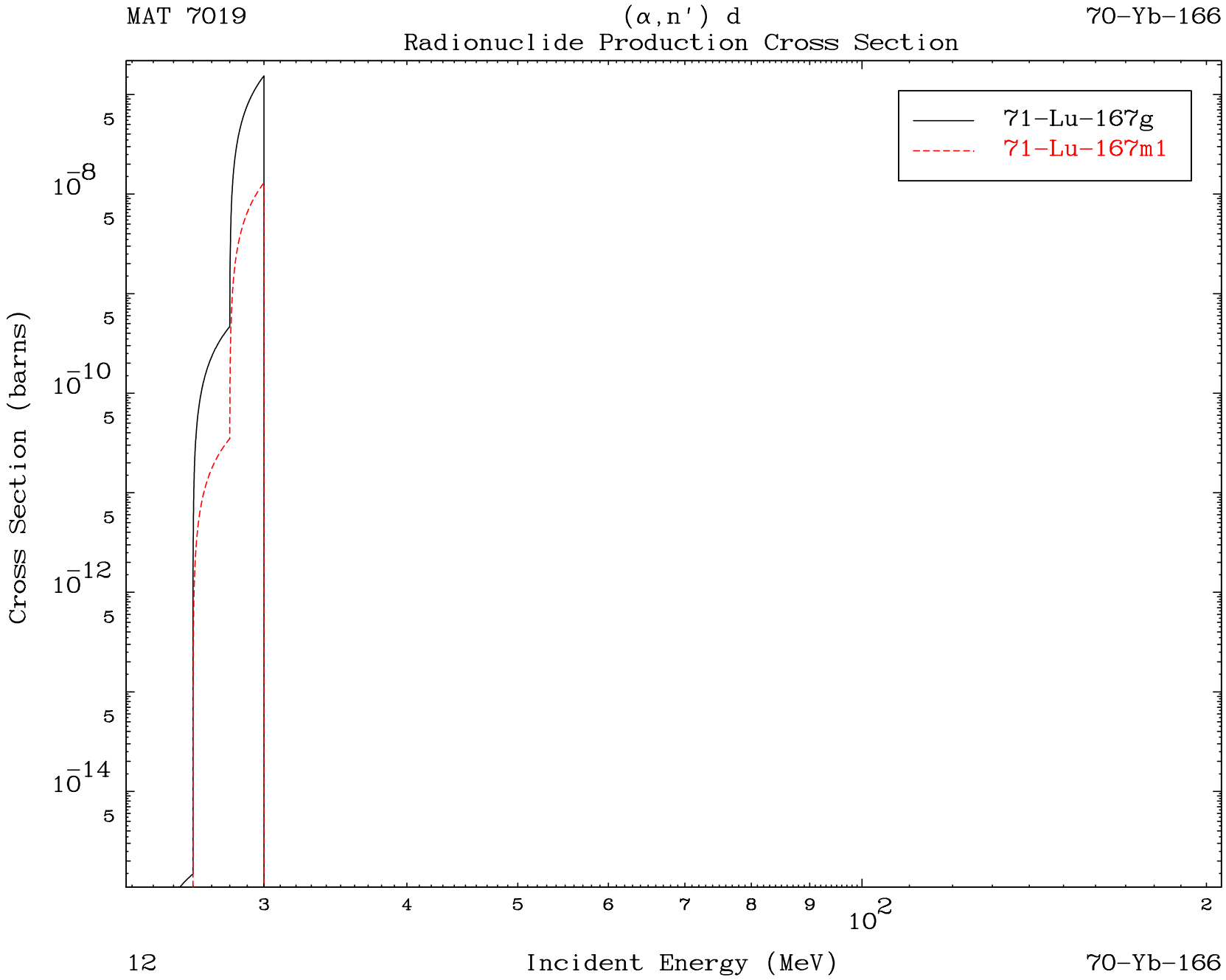

MAT 7019
(α,d) Levels
70-Yb-166
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
70-Yb-166

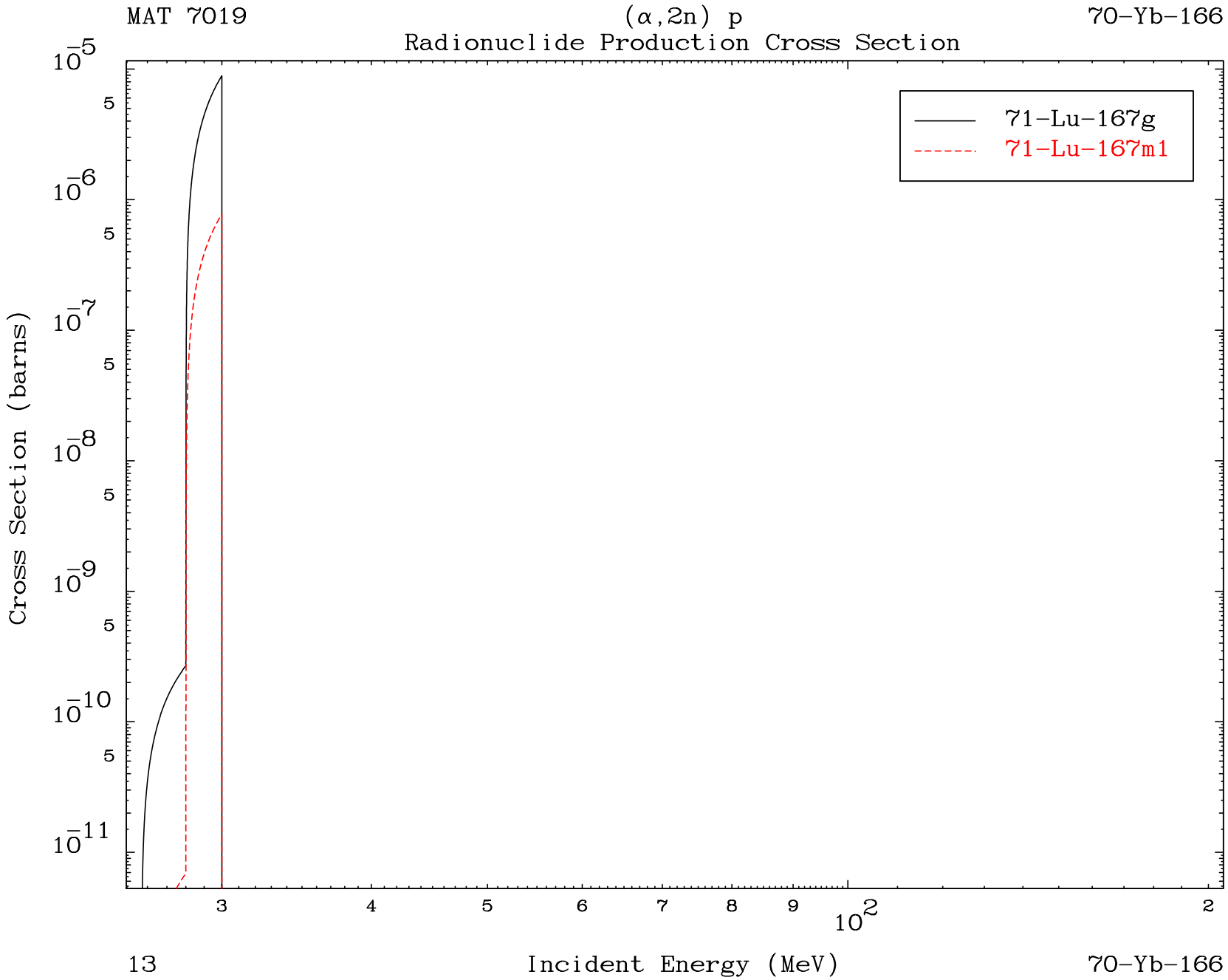

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

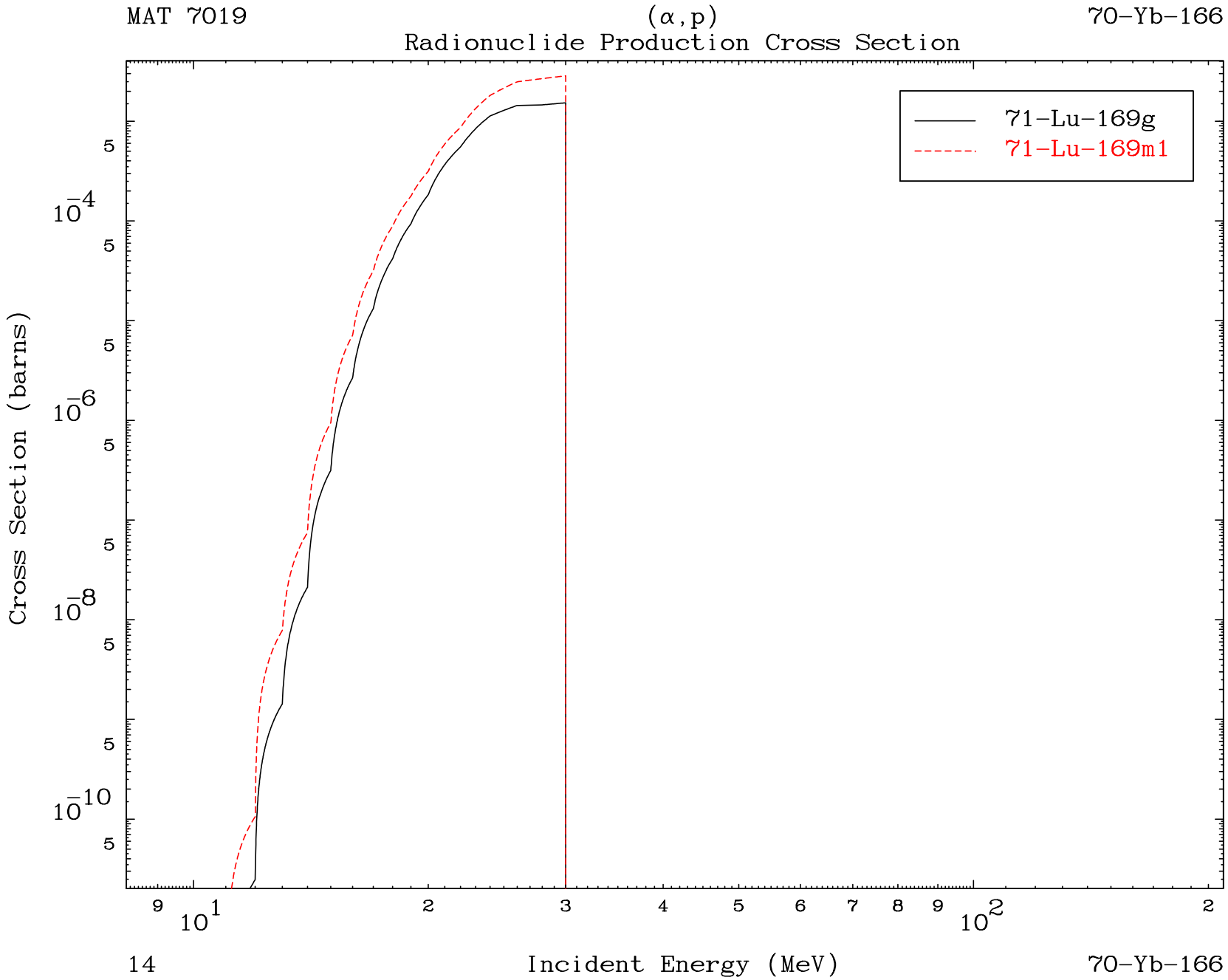

0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
5
5
10-8
5
5
10-10
5
5
10-12
5
5
10-14
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

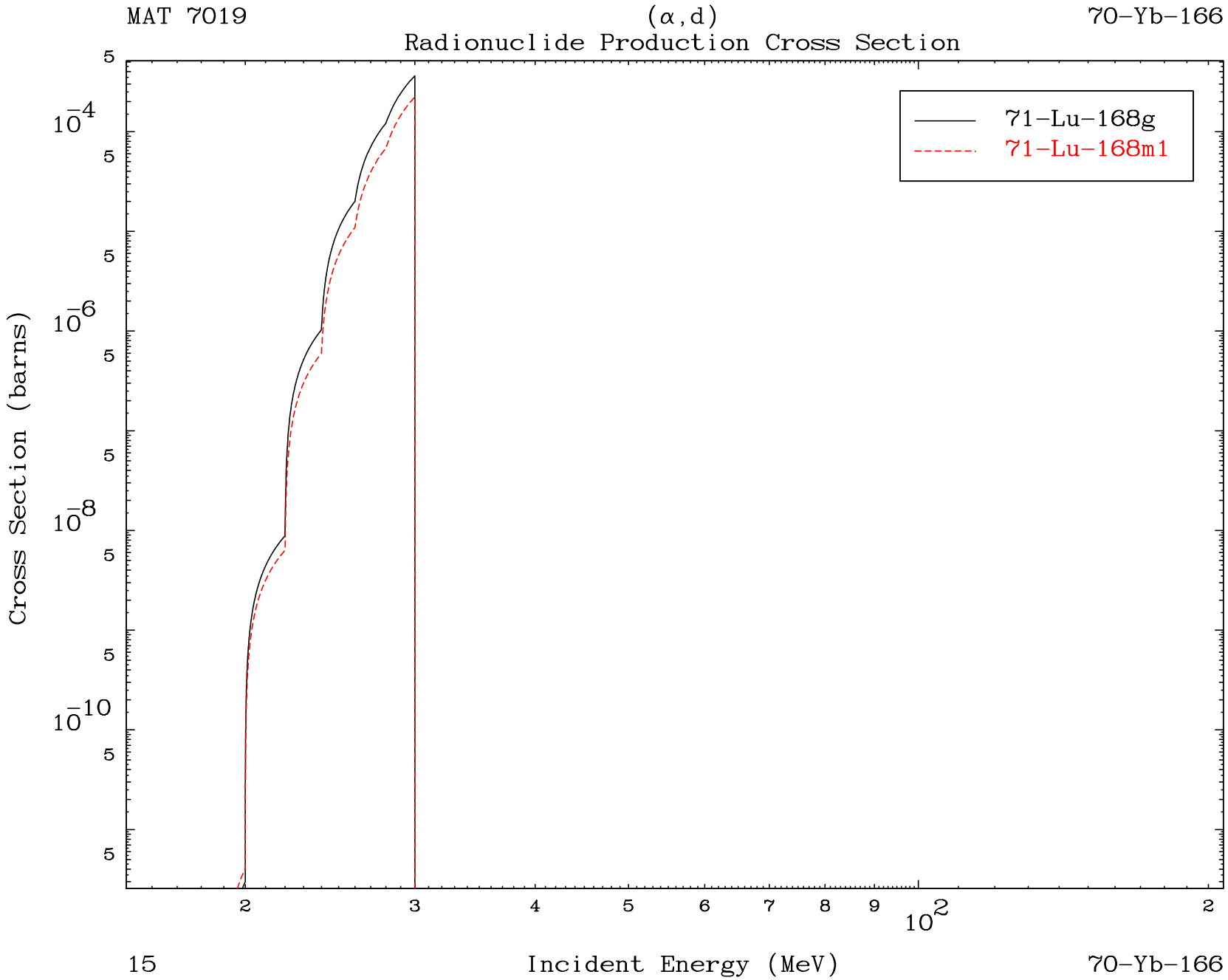

MAT 7019
(α,α) Levels
70-Yb-166
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
70-Yb-166

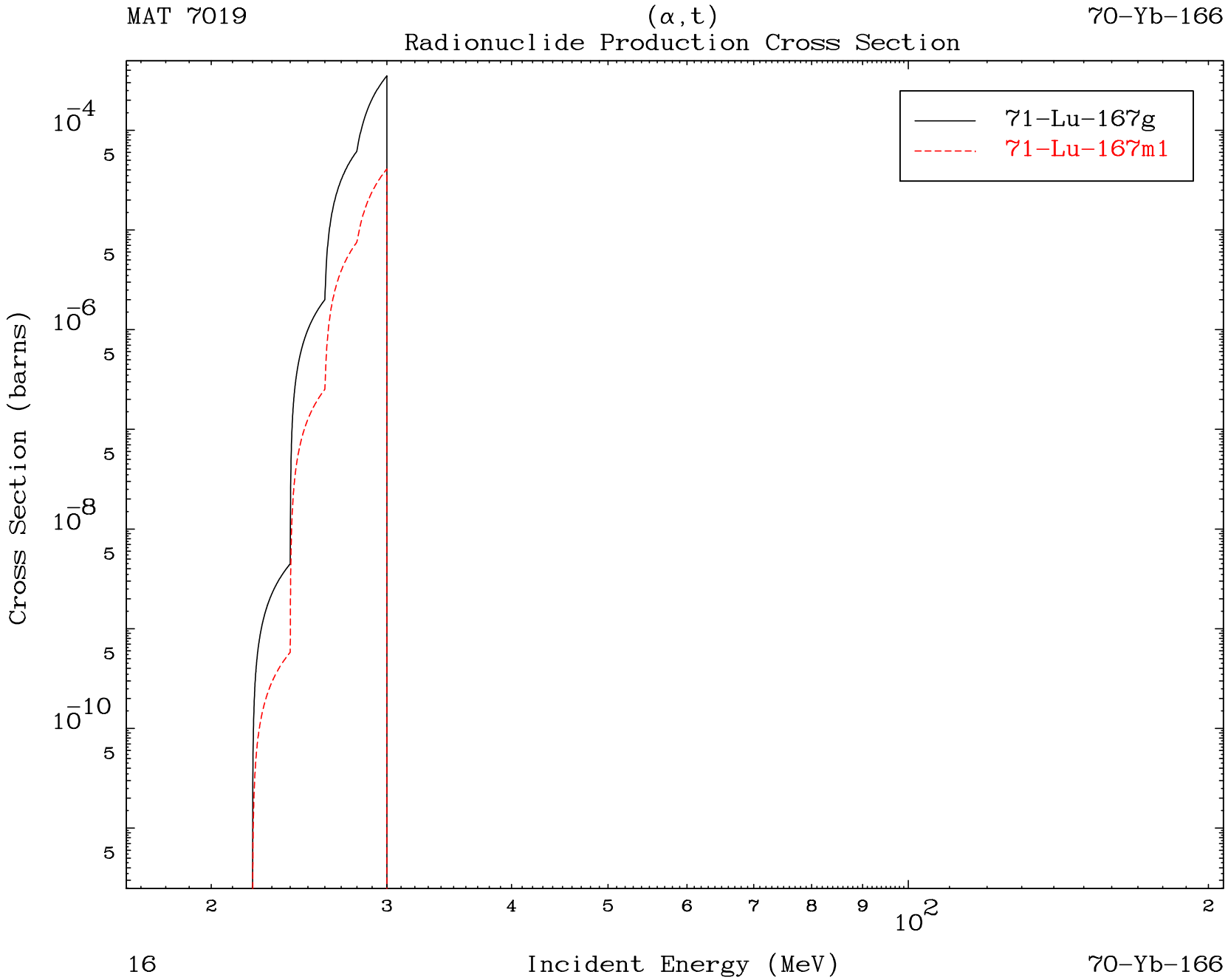

MAT 7019
(α,n') p
70-Yb-166
Radionuclide Production Cross Section
71-Lu-168g
71-Lu-168m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
11
70-Yb-166


MAT 7019
(α,n') d
70-Yb-166
Radionuclide Production Cross Section
71-Lu-167g
71-Lu-167m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
70-Yb-166


MAT 7019
(α,2n) p
70-Yb-166
Radionuclide Production Cross Section
71-Lu-167g
71-Lu-167m1
Cross Section (barns)
10-5
10-6
10-7
10-8
10-9
10-10
10-11
3
4
5
6
7
8
9
10+2
2
13
Incident Energy (MeV)
70-Yb-166


MAT 7019
(α,p)
70-Yb-166
Radionuclide Production Cross Section
71-Lu-169g
71-Lu-169m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
70-Yb-166


MAT 7019
(α,d)
70-Yb-166
Radionuclide Production Cross Section
71-Lu-168g
71-Lu-168m1
Cross Section (barns)
Incident Energy (MeV)
15
70-Yb-166


MAT 7019
(α,t)
70-Yb-166
Radionuclide Production Cross Section
71-Lu-167g
71-Lu-167m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
70-Yb-166