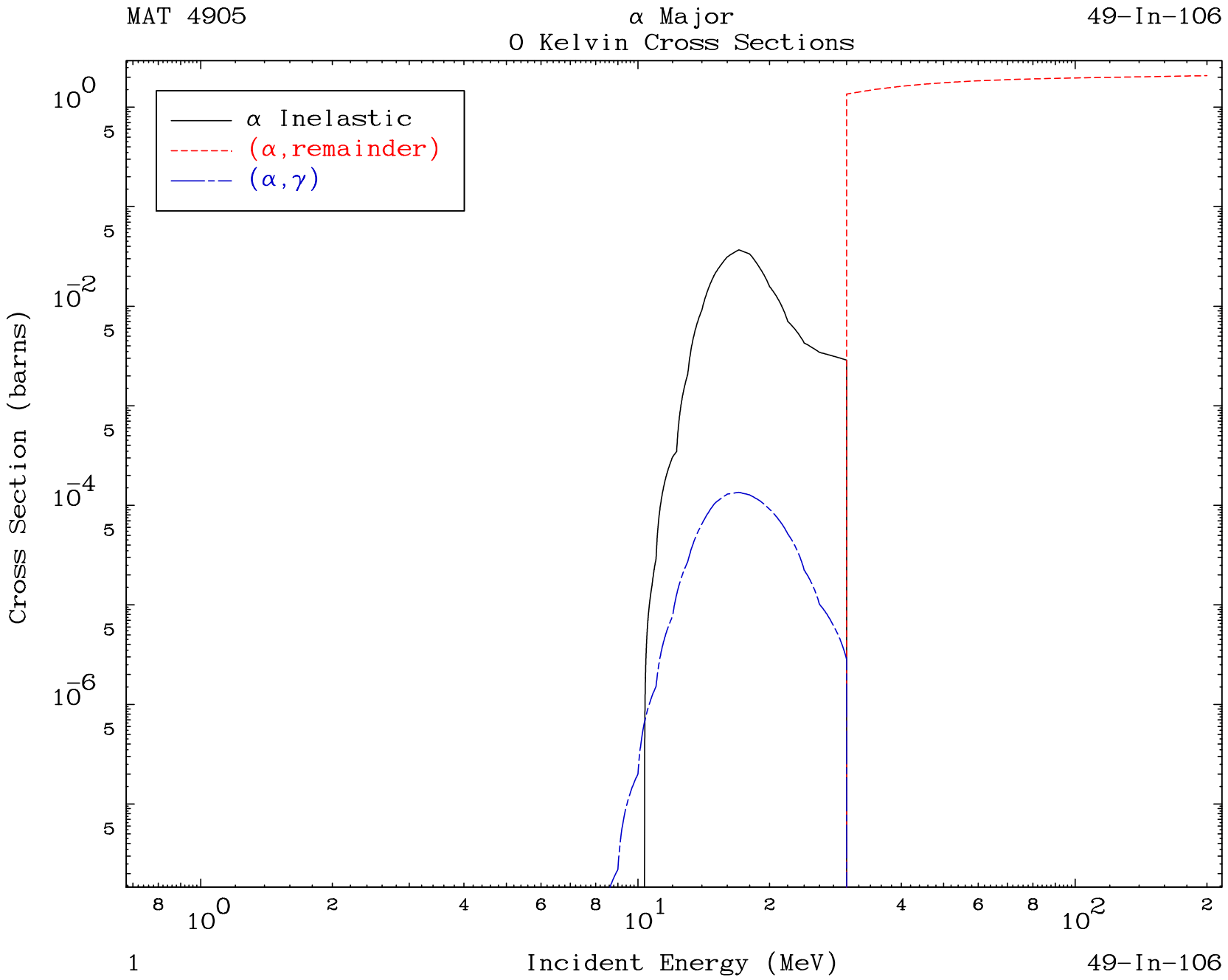
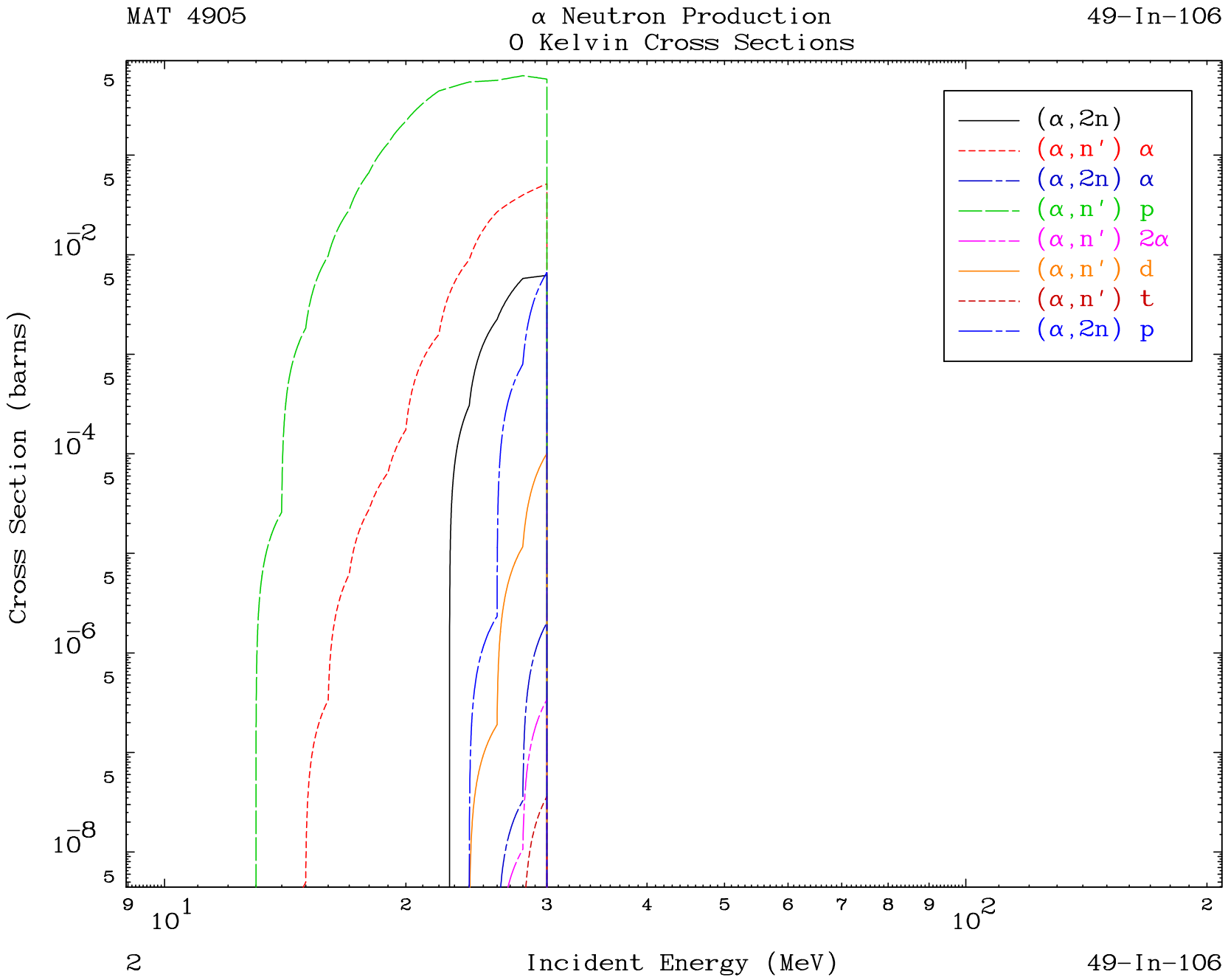
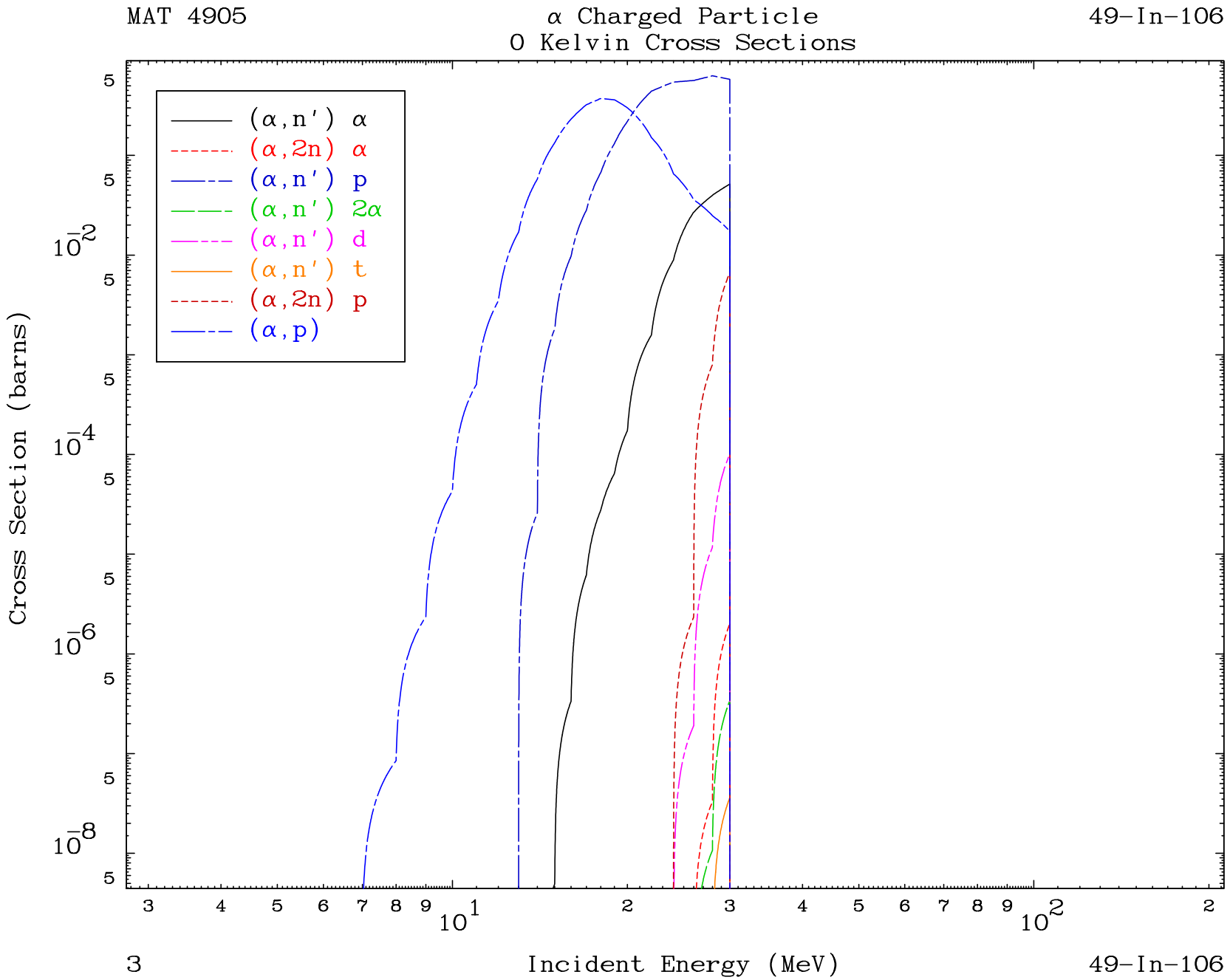
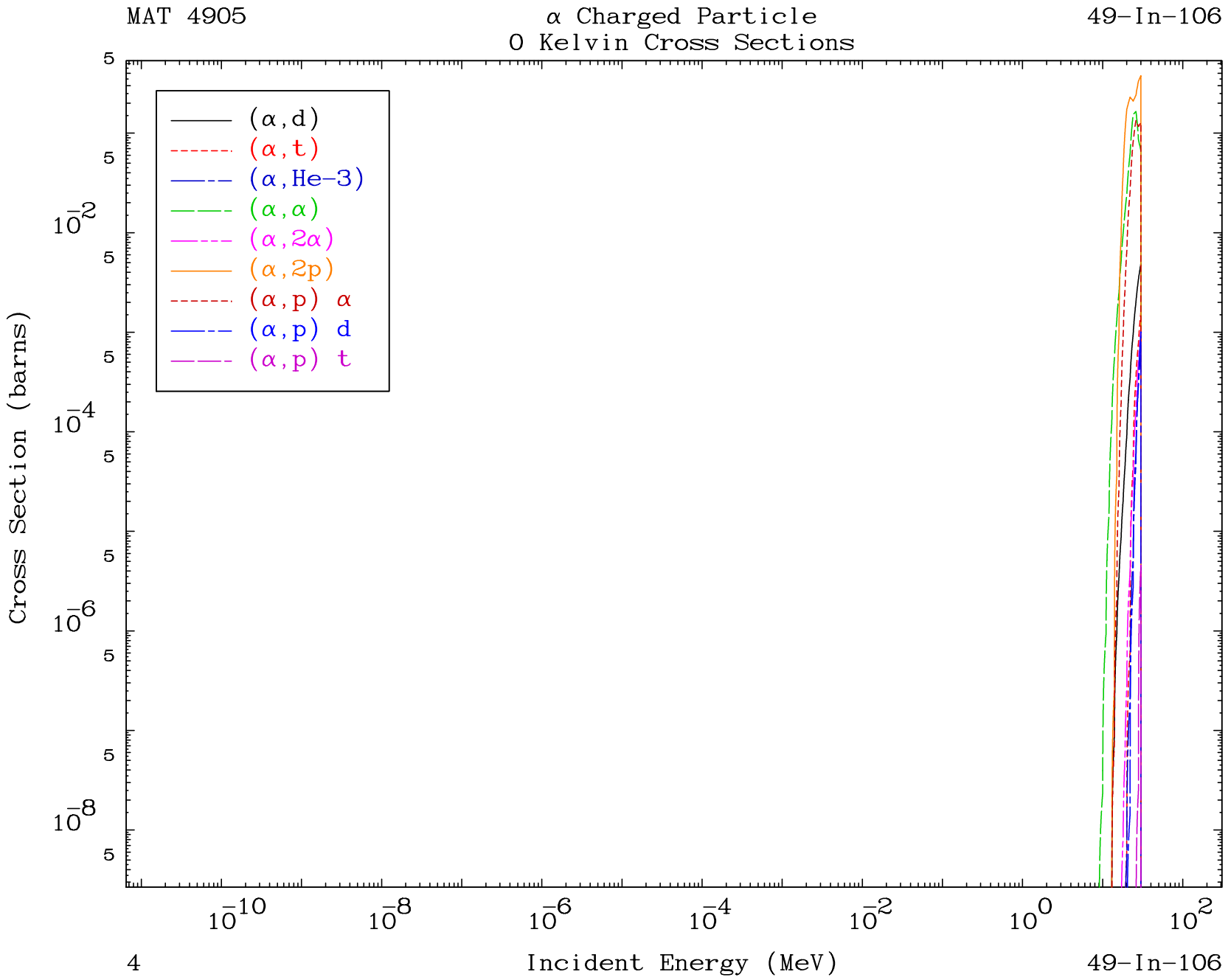
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

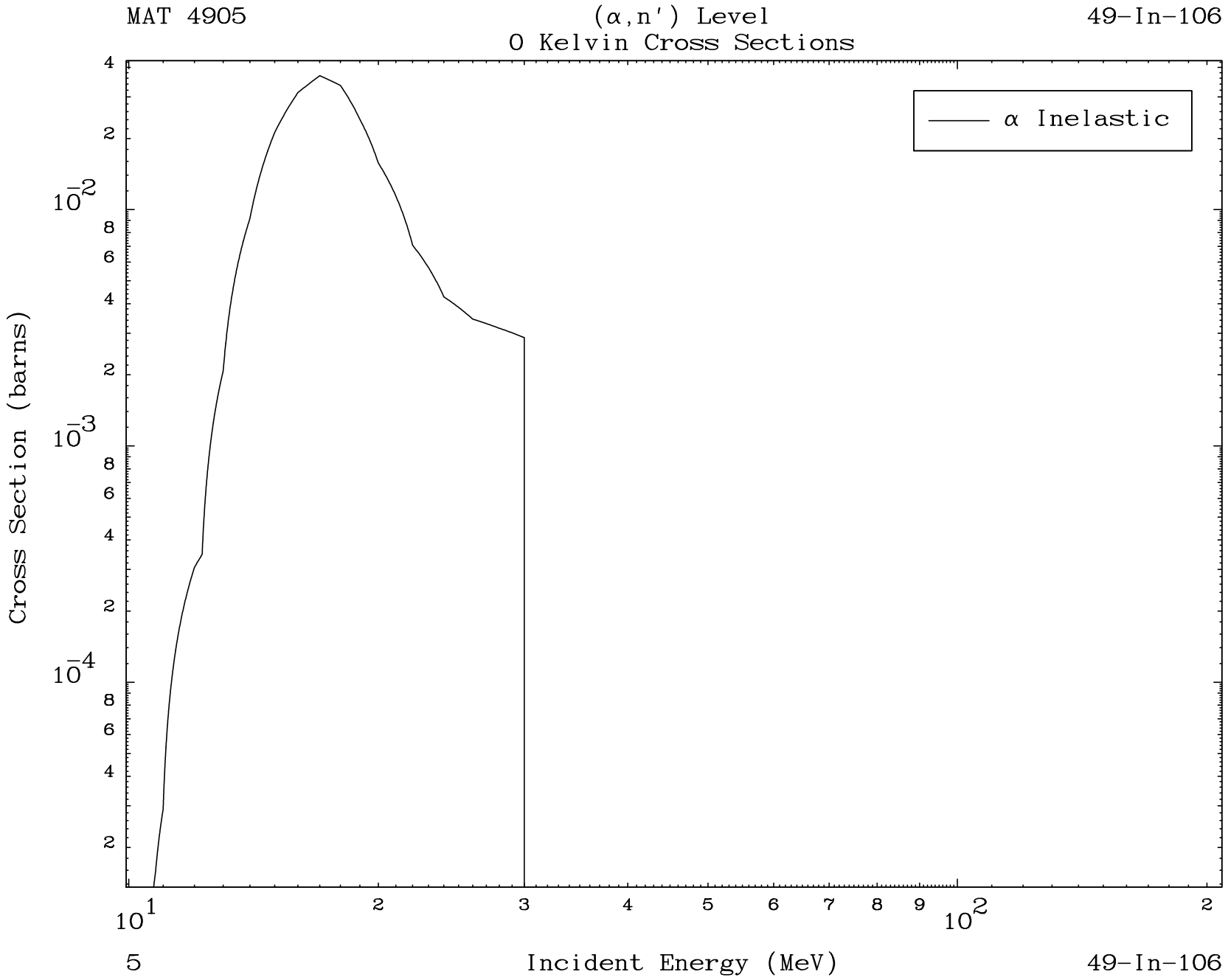
Press Mouse Button to Start

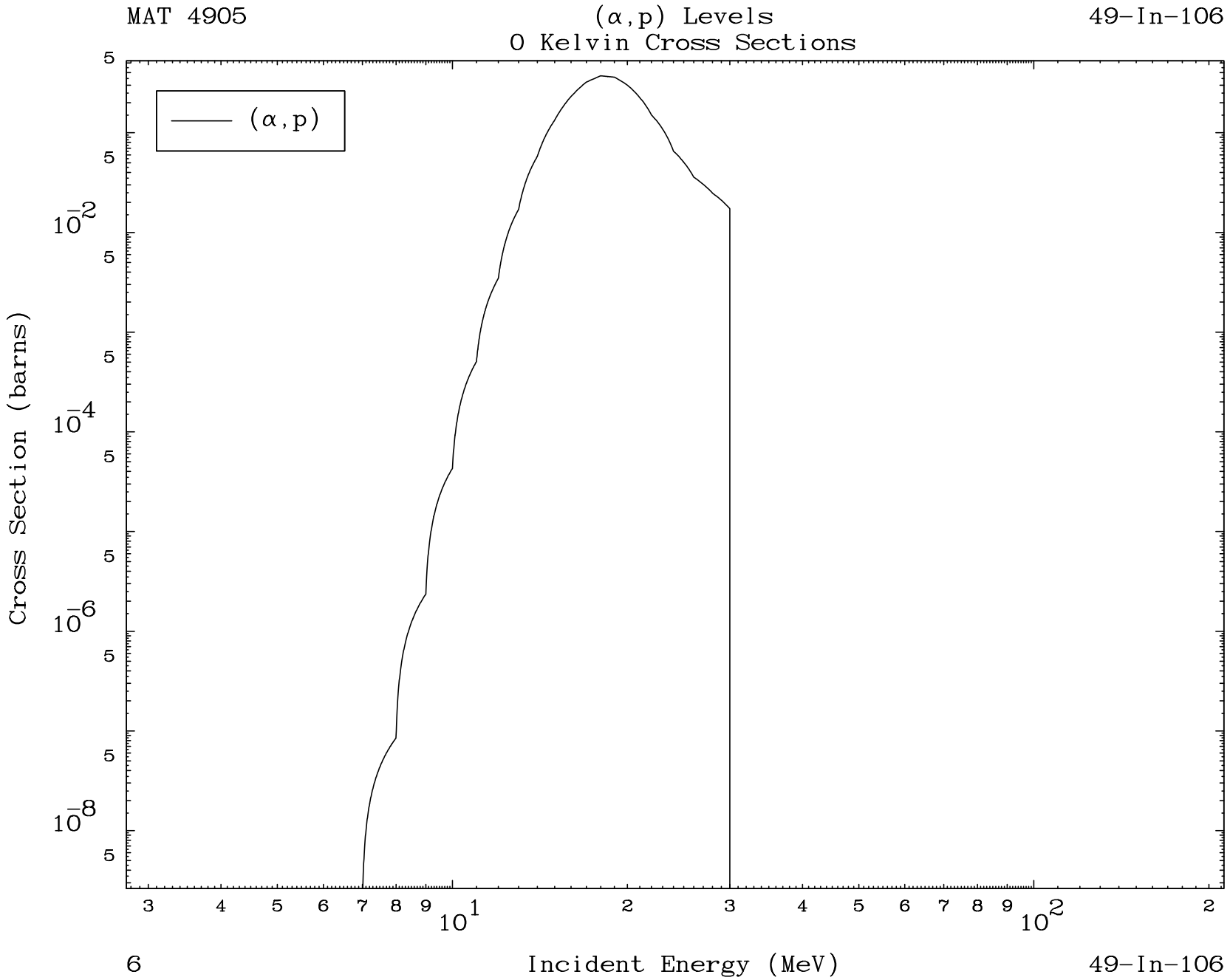

MAT 4905
α Major
49-In-106
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
49-In-106
1

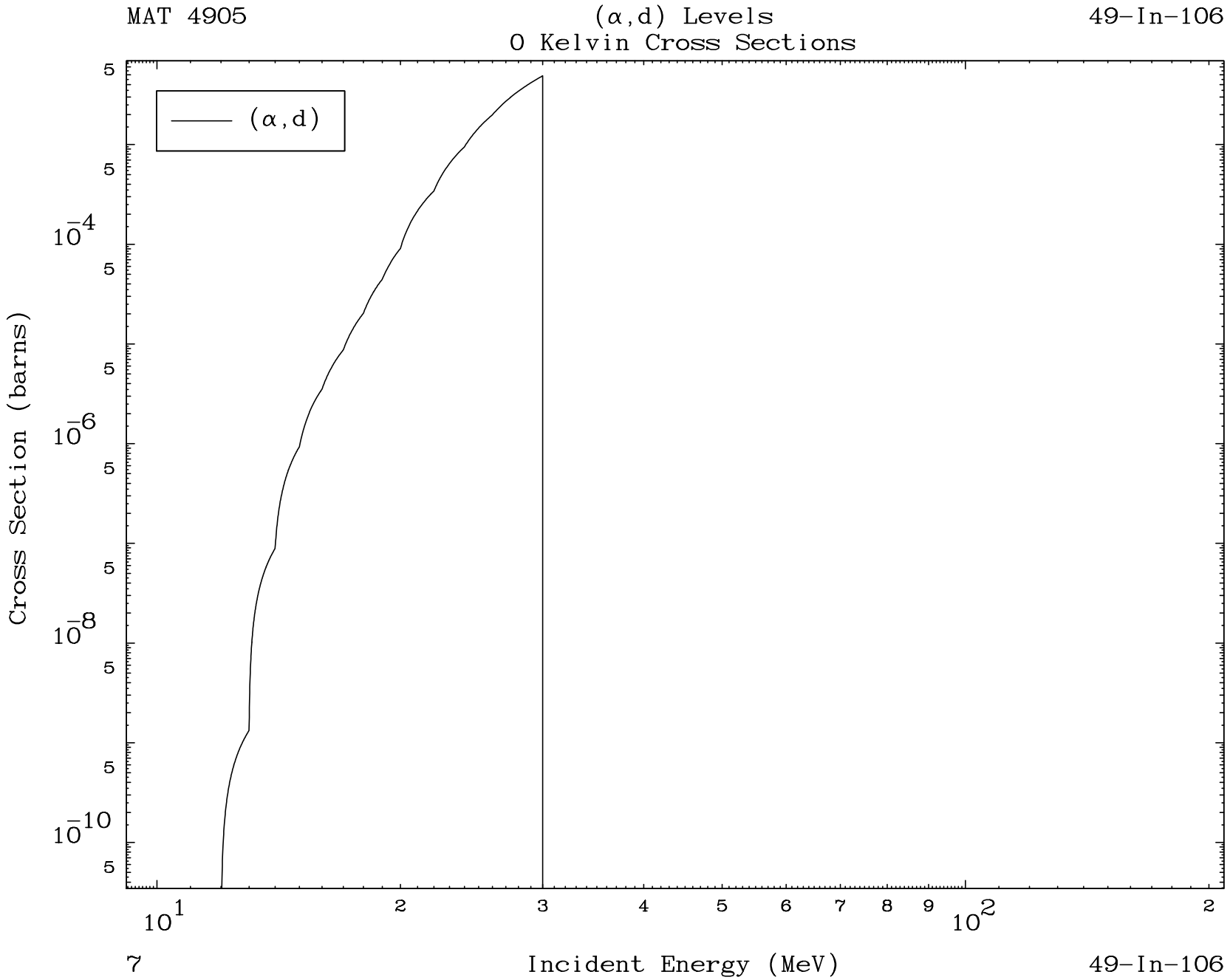

MAT 4905
α Neutron Production
0 Kelvin Cross Sections
49-In-106
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,n') t
(α,2n) p


MAT 4905
α Charged Particle
0 Kelvin Cross Sections
49-In-106
(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
49-In-106

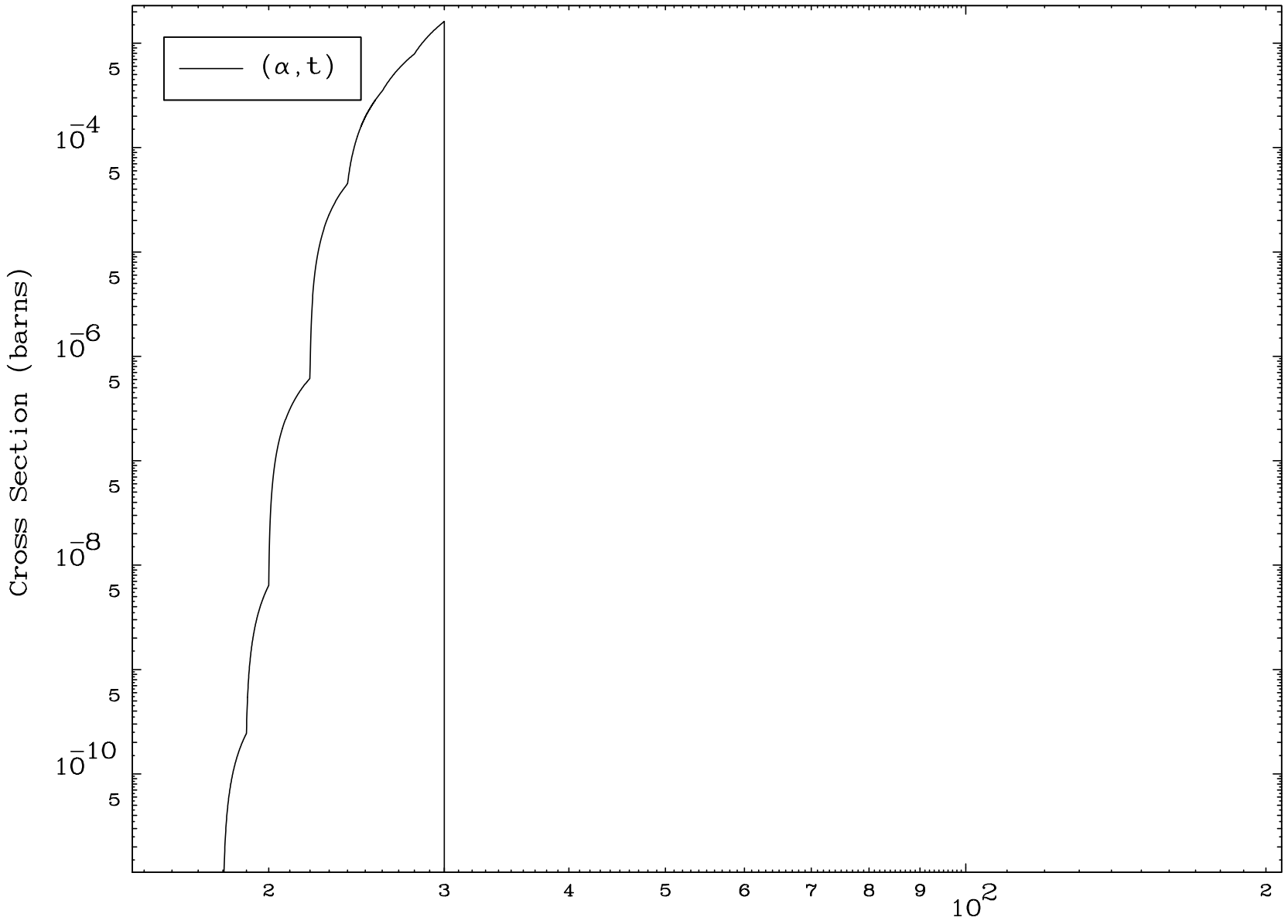

MAT 4905
α Charged Particle
0 Kelvin Cross Sections
49-In-106
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
49-In-106

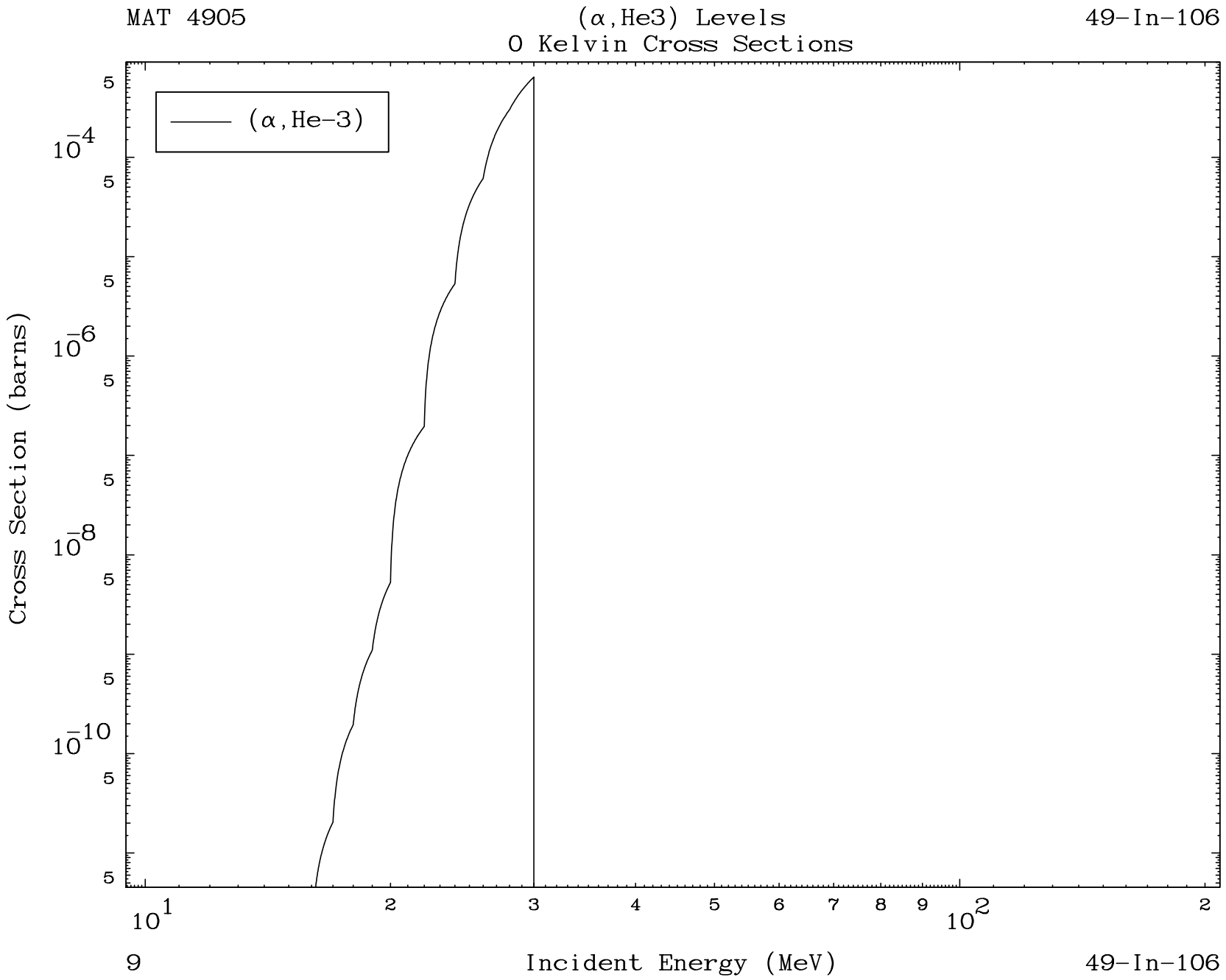

MAT 4905
(α,n') Level
49-In-106
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
49-In-106

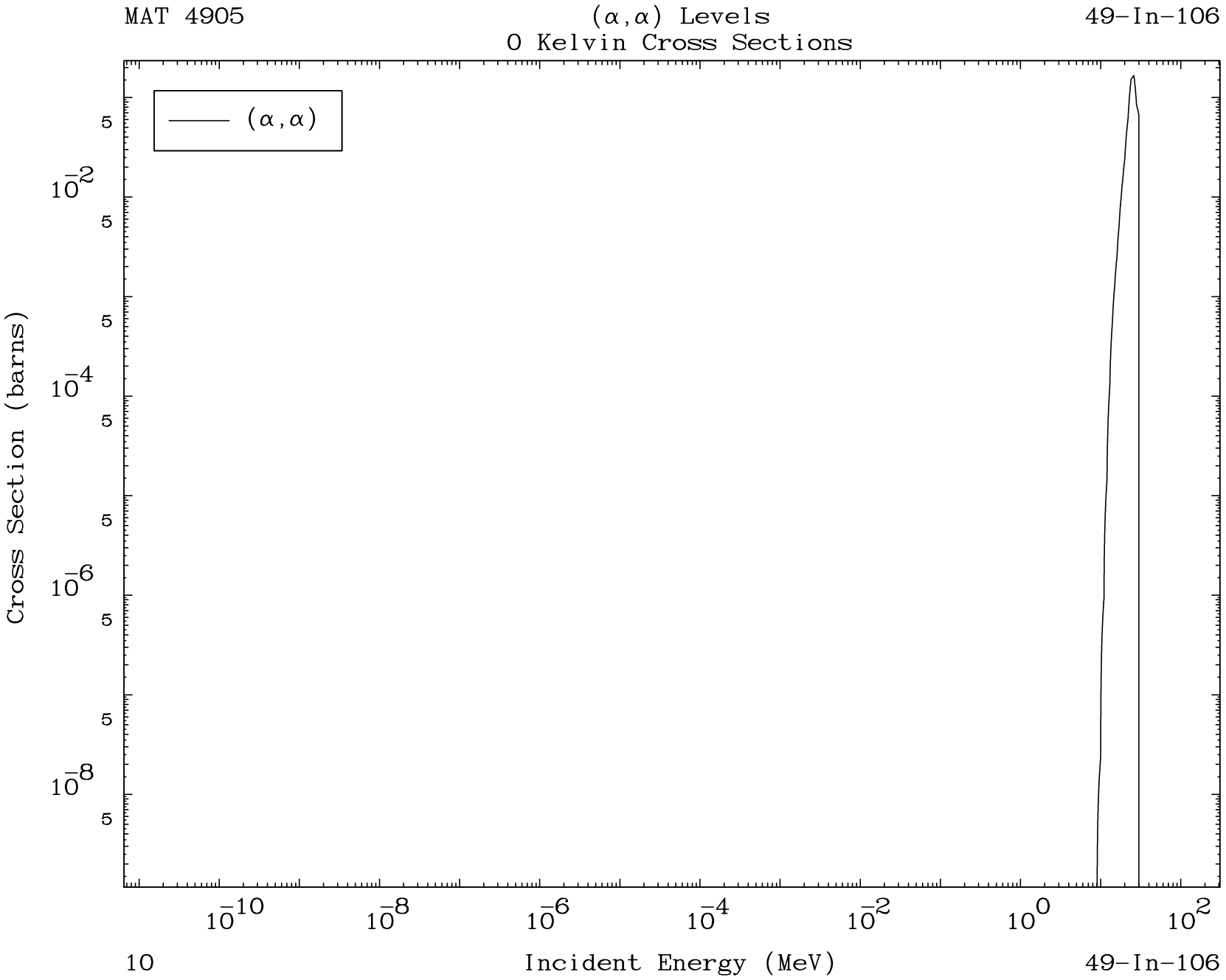

MAT 4905
(α,p) Levels
49-In-106
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
49-In-106

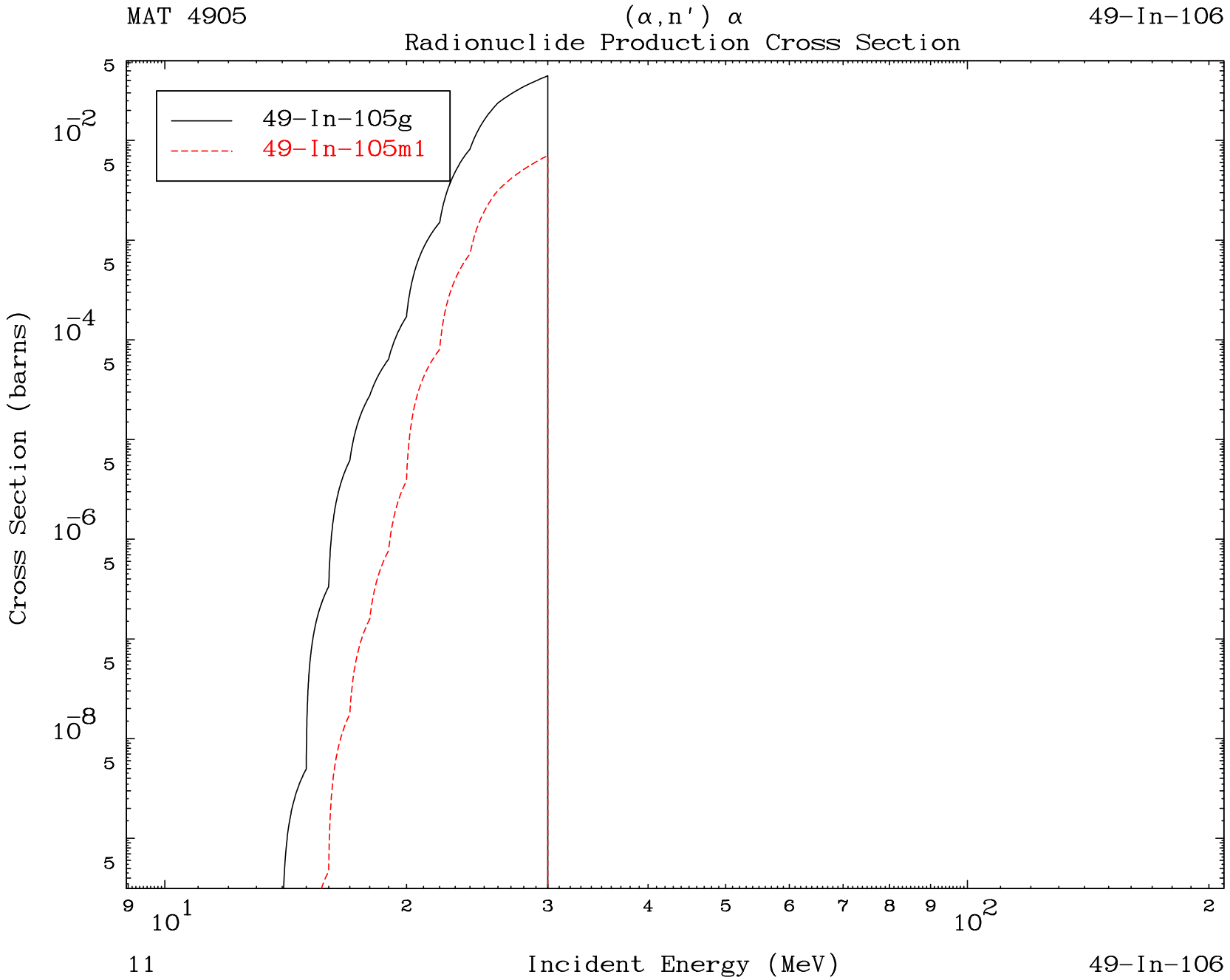

MAT 4905
(α,d) Levels
49-In-106
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
Incident Energy (MeV)
49-In-106
7

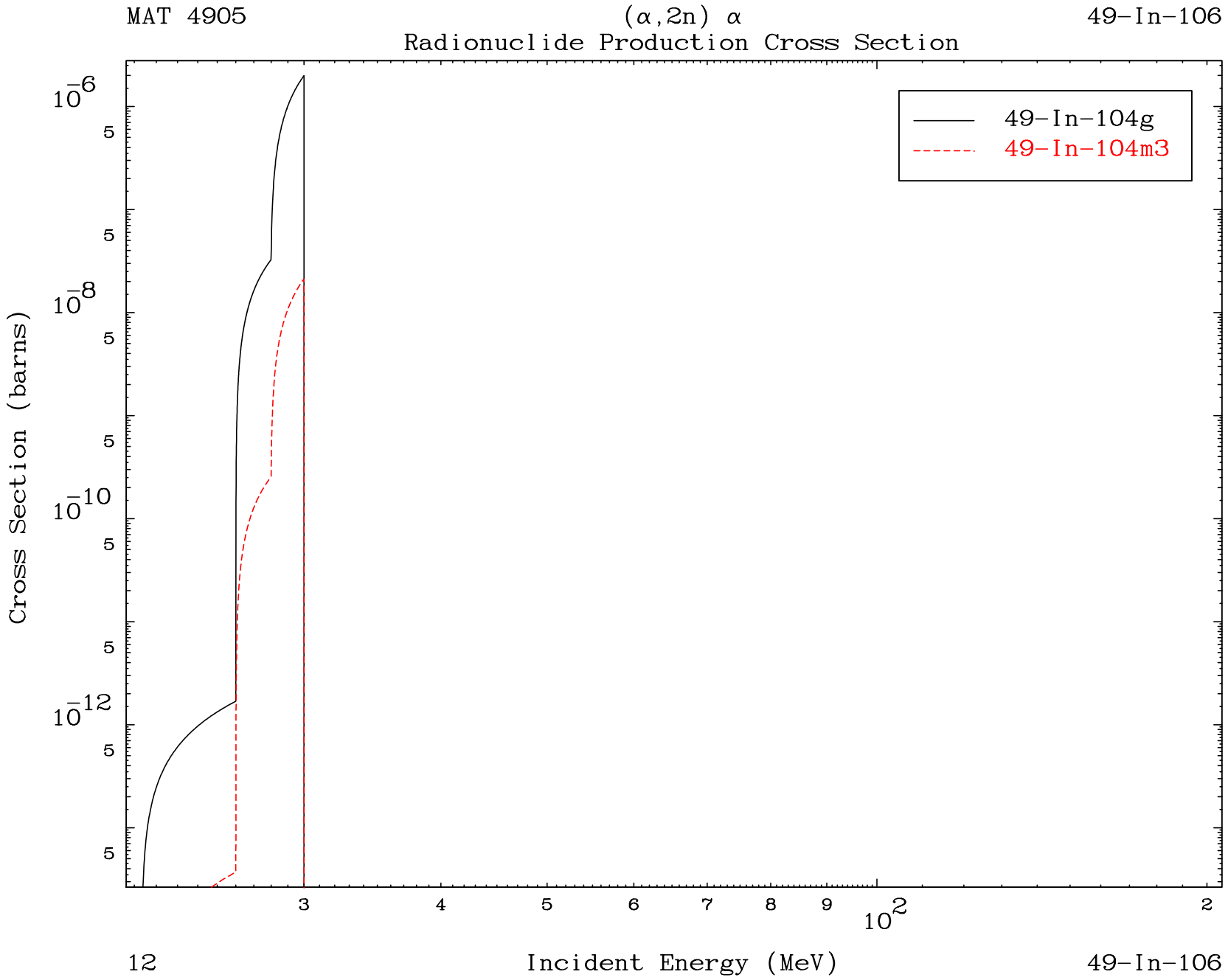
0 Kelvin Cross Sections

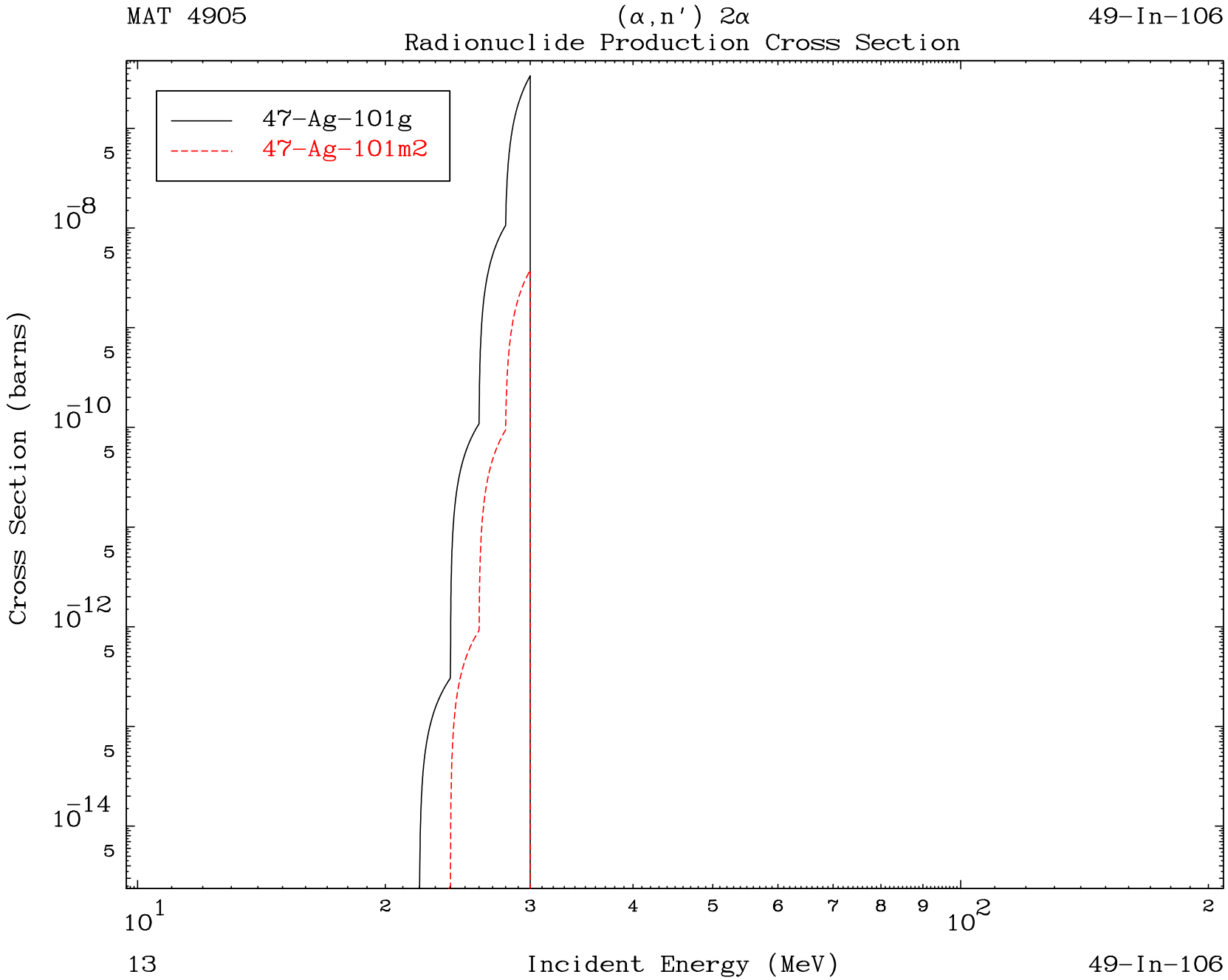


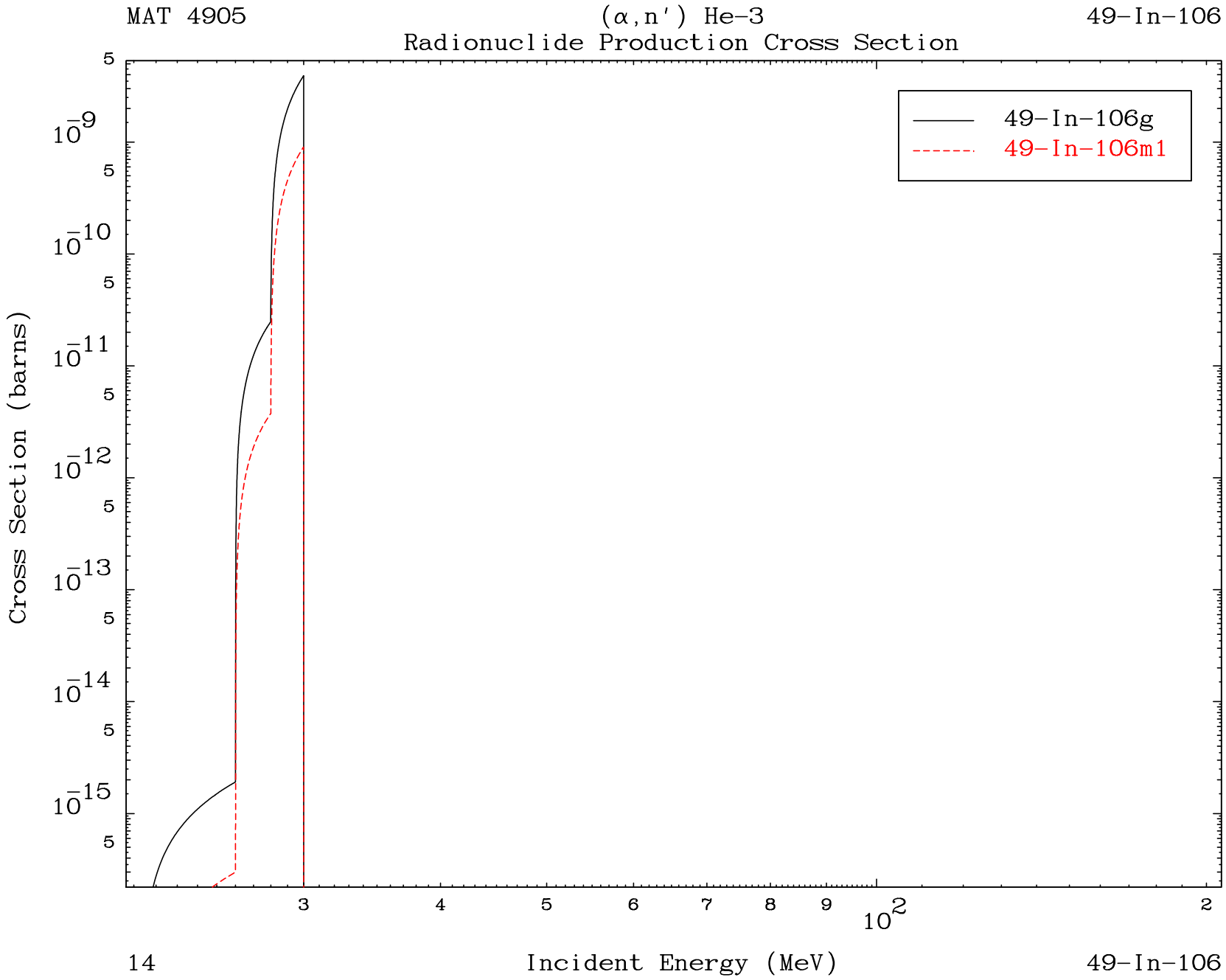

MAT 4905
(α,He3) Levels
49-In-106
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
49-In-106

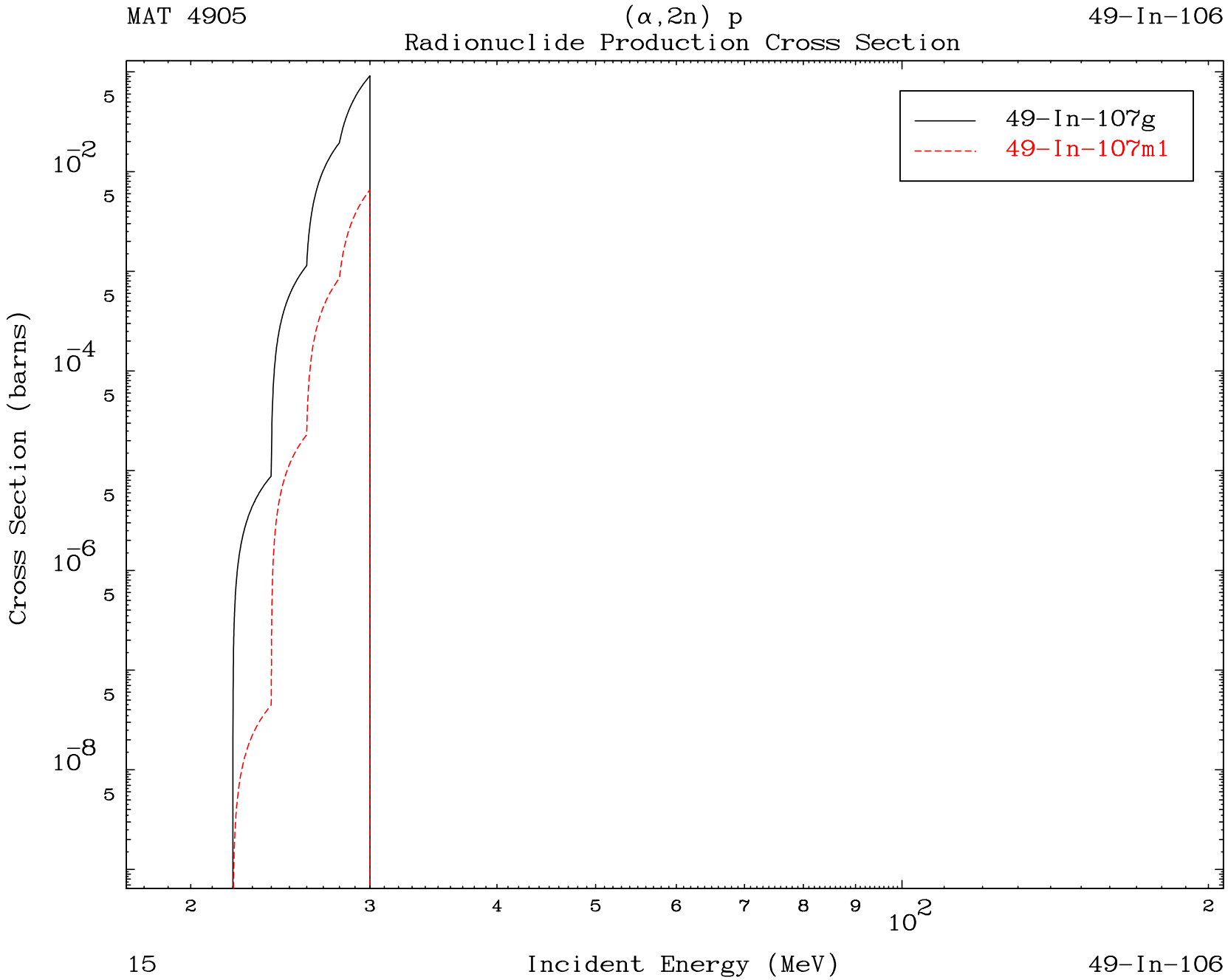

MAT 4905
(α,α) Levels
49-In-106
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
10
49-In-106

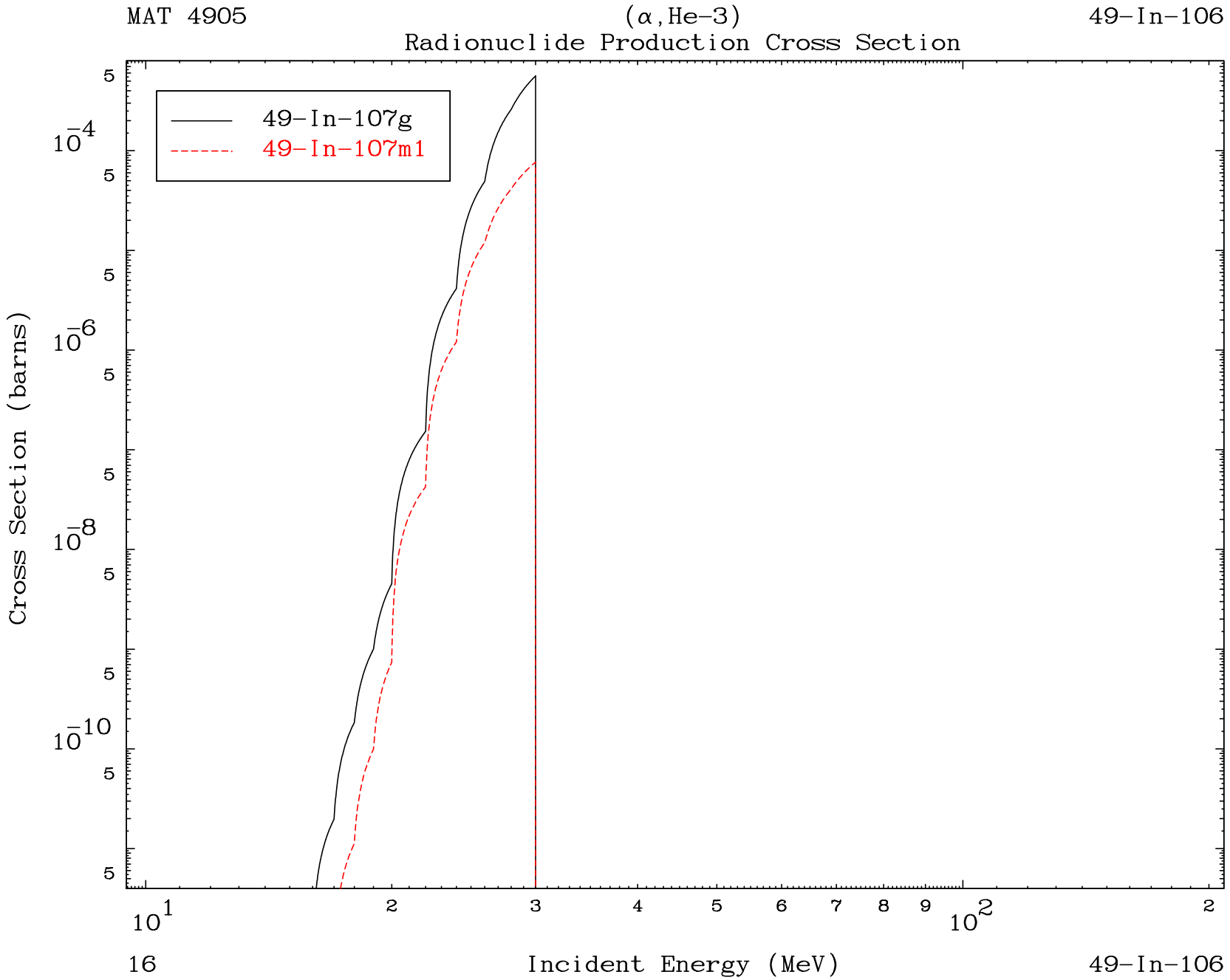

MAT 4905
(α,n') α
49-In-106
Radionuclide Production Cross Section
49-In-105g
49-In-105m1
Cross Section (barns)
Incident Energy (MeV)
11
49-In-106

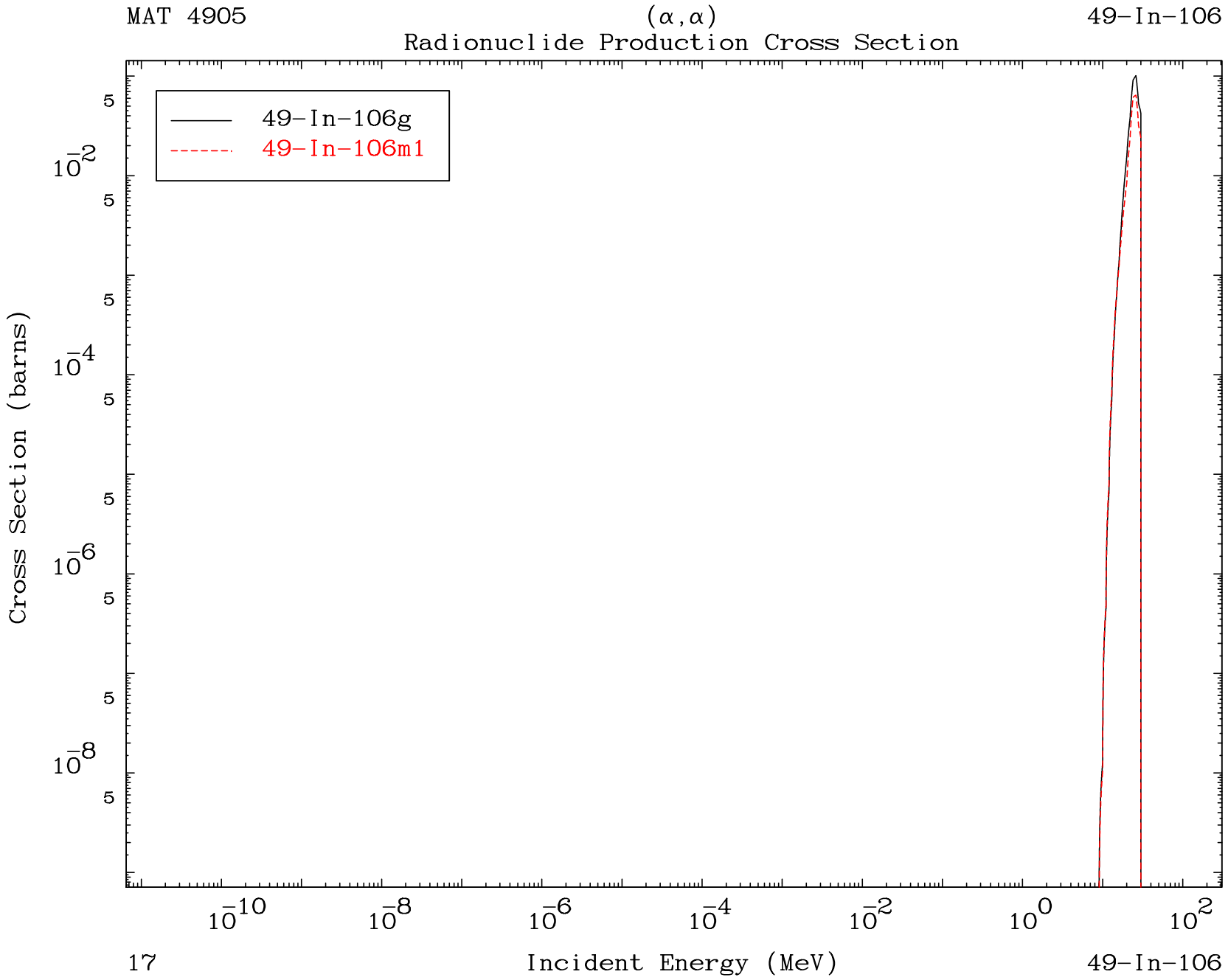

MAT 4905
(α,2n) α
49-In-106
Radionuclide Production Cross Section
49-In-104g
49-In-104m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
49-In-106

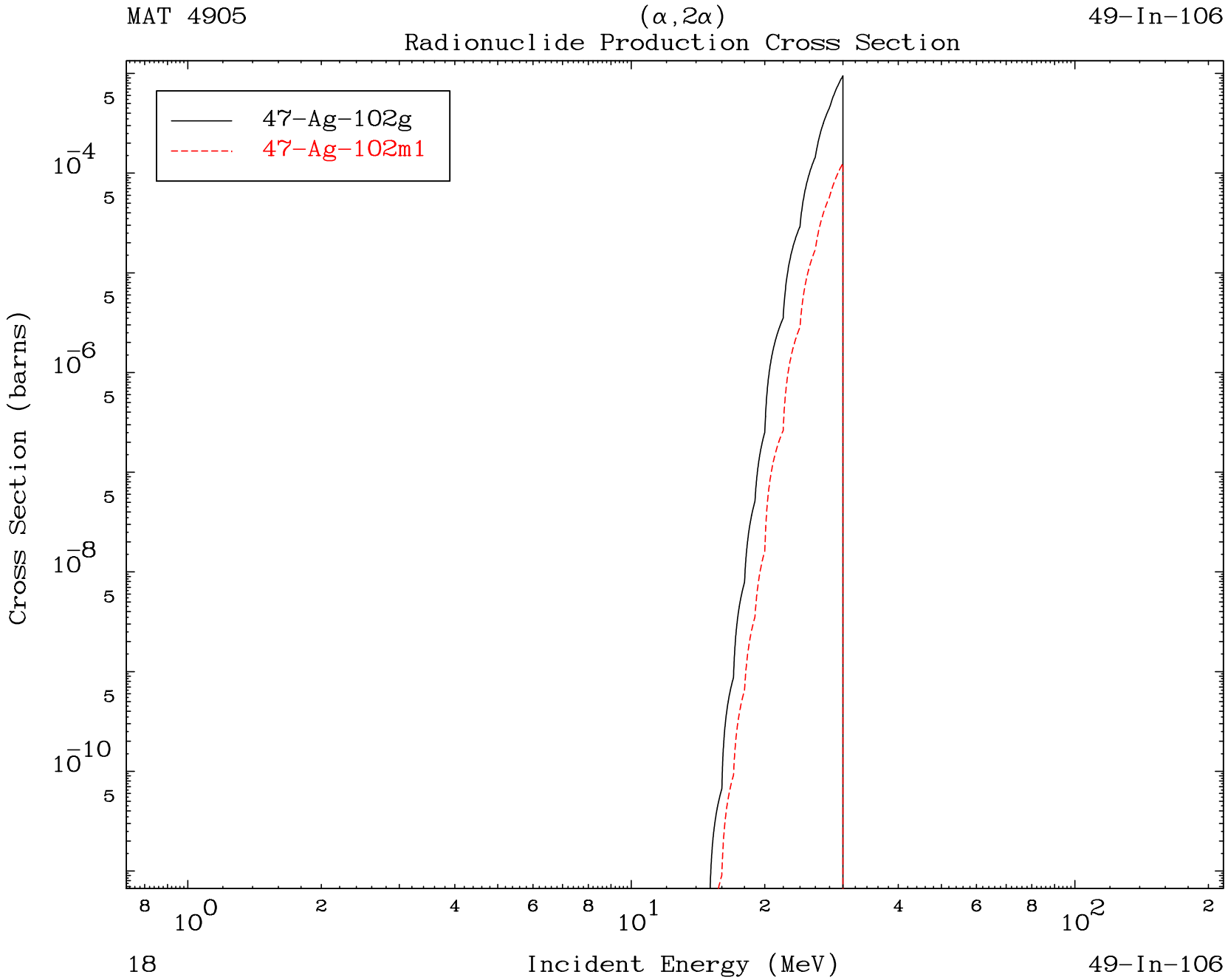

MAT 4905
(α,n') 2α
49-In-106
Radionuclide Production Cross Section
47-Ag-101g
47-Ag-101m2
Cross Section (barns)
10-8
10-10
10-12
10-14
5
101
2
3
4
5
6
7
8
9
102
2
13
Incident Energy (MeV)
49-In-106

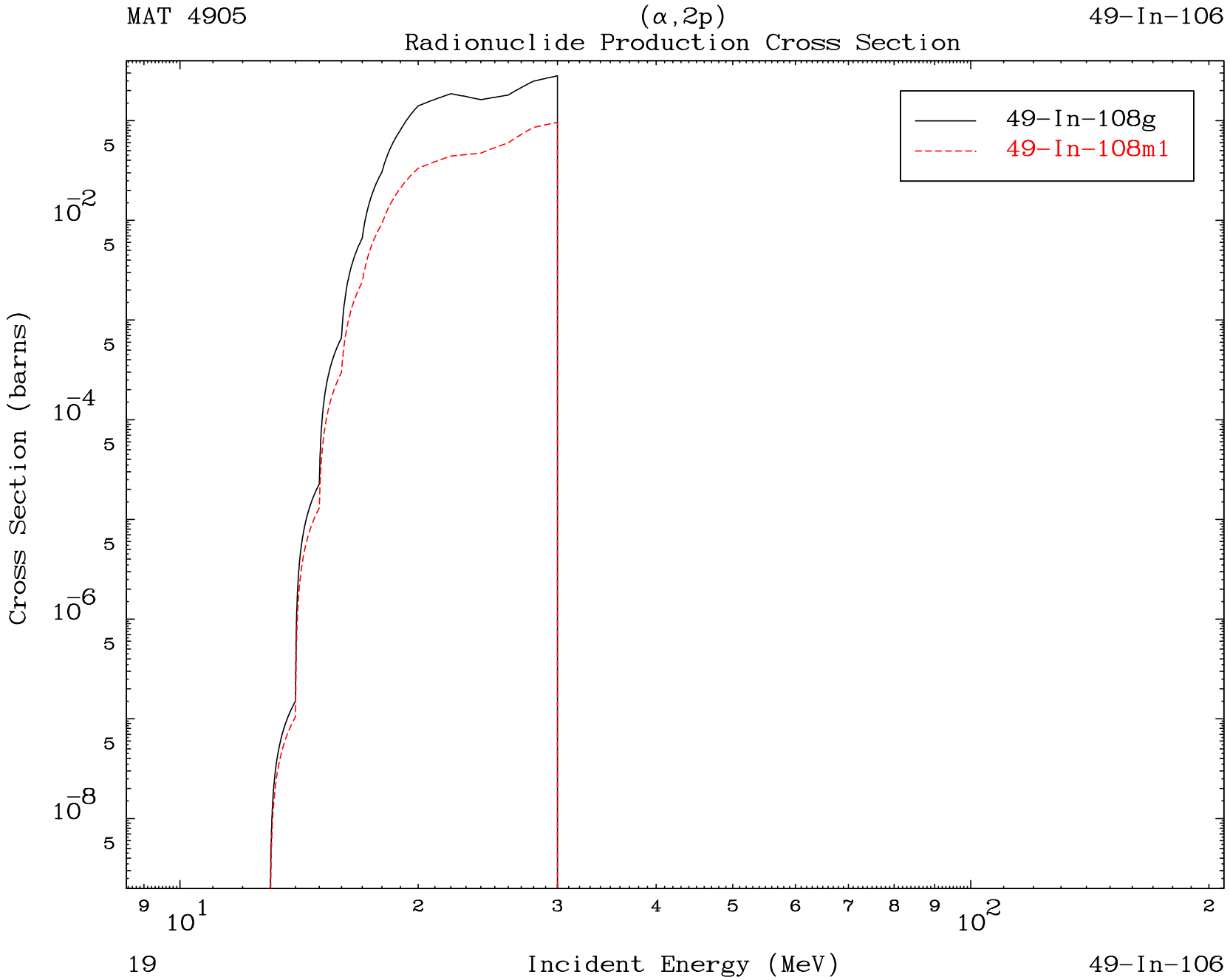

MAT 4905
(α,n') He-3
49-In-106
Radionuclide Production Cross Section
49-In-106g
49-In-106m1
Cross Section (barns)
Incident Energy (MeV)
14
49-In-106

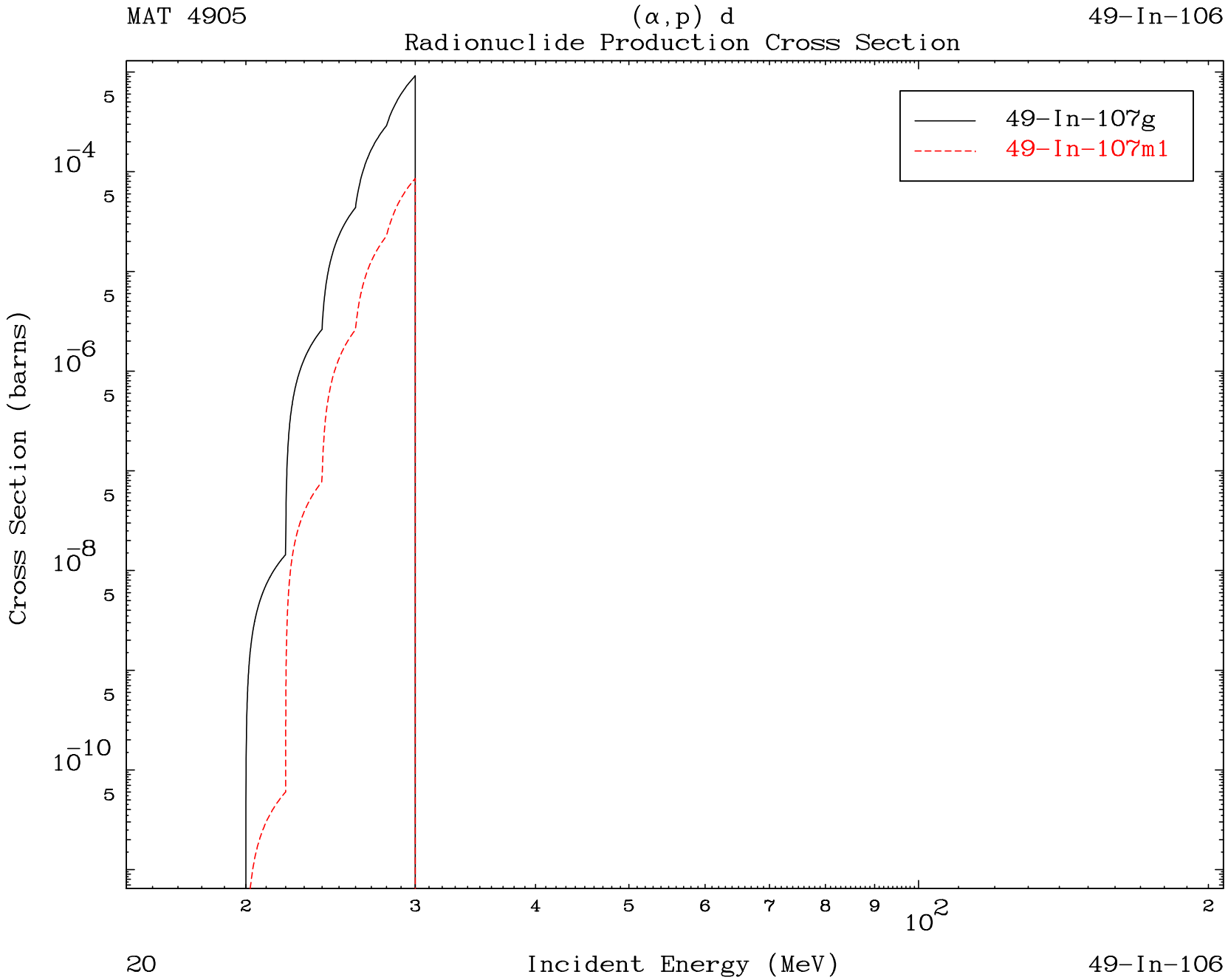

MAT 4905
(α,2n) p
49-In-106
Radionuclide Production Cross Section
49-In-107g
49-In-107m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
49-In-106

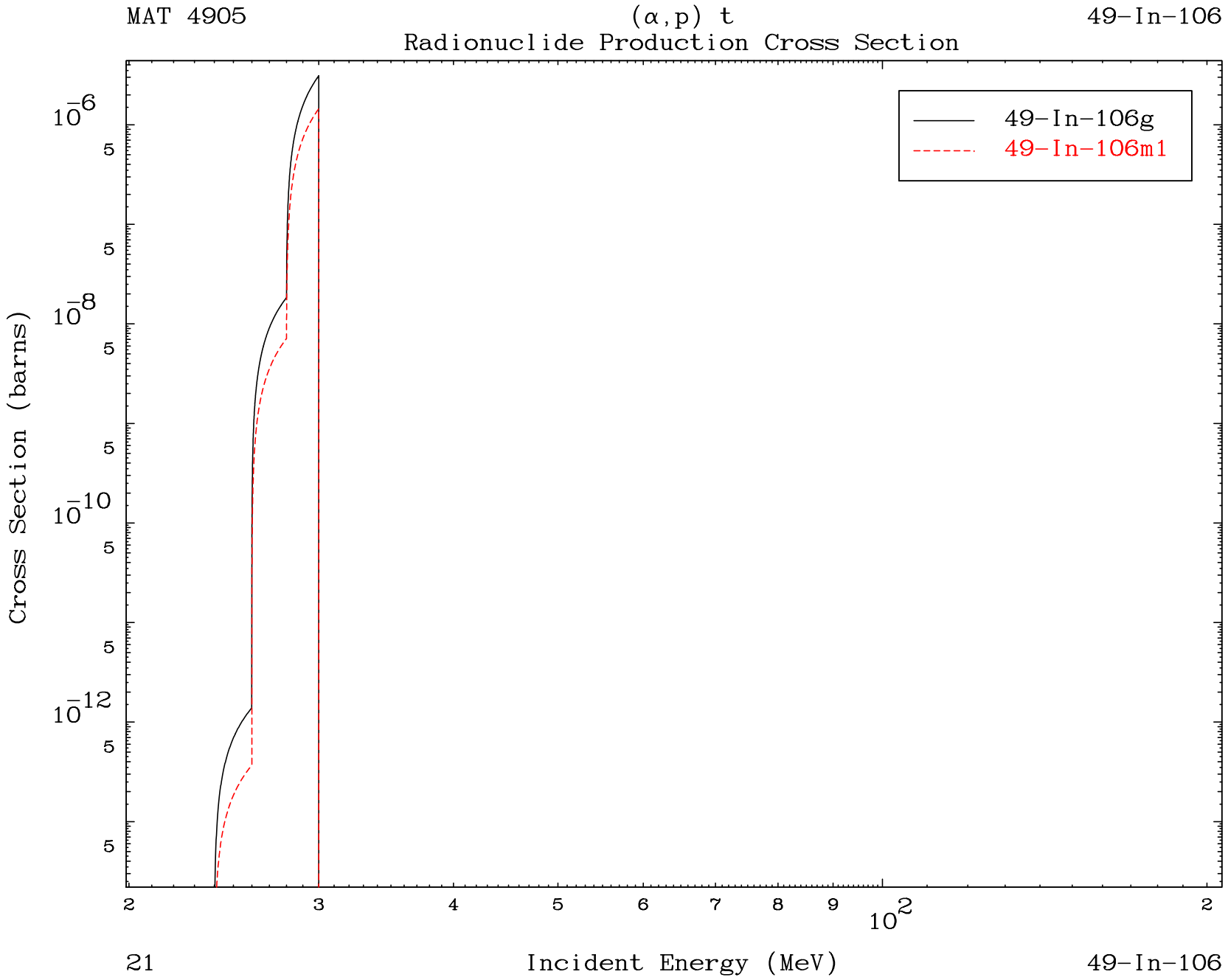

MAT 4905
(α,He-3)
49-In-106
Radionuclide Production Cross Section
49-In-107g
49-In-107m1
Cross Section (barns)
Incident Energy (MeV)
49-In-106
16


MAT 4905
(α,α)
49-In-106
Radionuclide Production Cross Section
49-In-106g
49-In-106m1
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)
17
49-In-106


MAT 4905
(α,2α)
49-In-106
Radionuclide Production Cross Section
47-Ag-102g
47-Ag-102m1
Cross Section (barns)
Incident Energy (MeV)
18
49-In-106


MAT 4905
(α,2p)
49-In-106
Radionuclide Production Cross Section
49-In-108g
49-In-108m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
49-In-106


MAT 4905
(α,p) d
49-In-106
Radionuclide Production Cross Section
49-In-107g
49-In-107m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
20
Incident Energy (MeV)
49-In-106


MAT 4905
(α,p) t
49-In-106
Radionuclide Production Cross Section
49-In-106g
49-In-106m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
49-In-106