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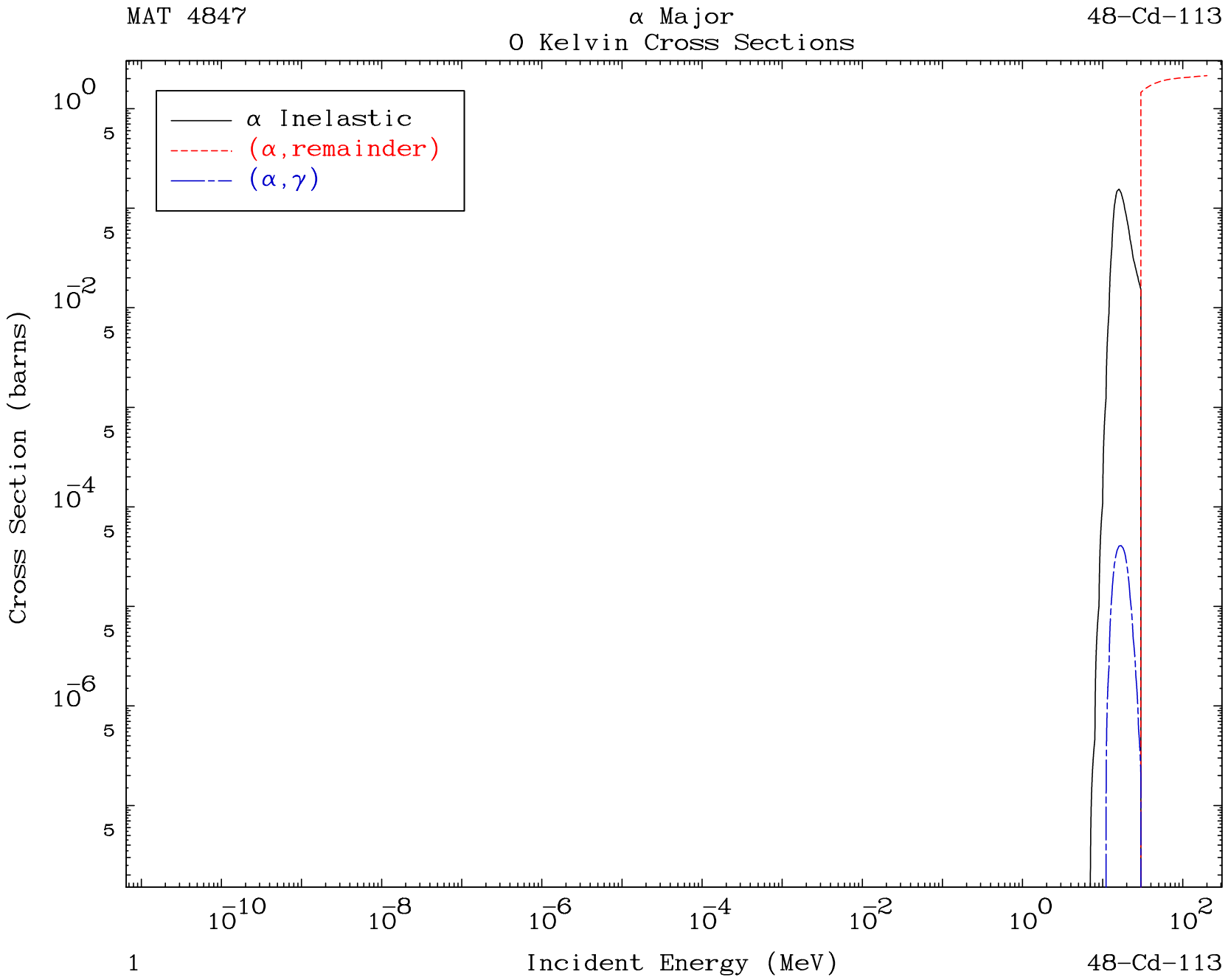
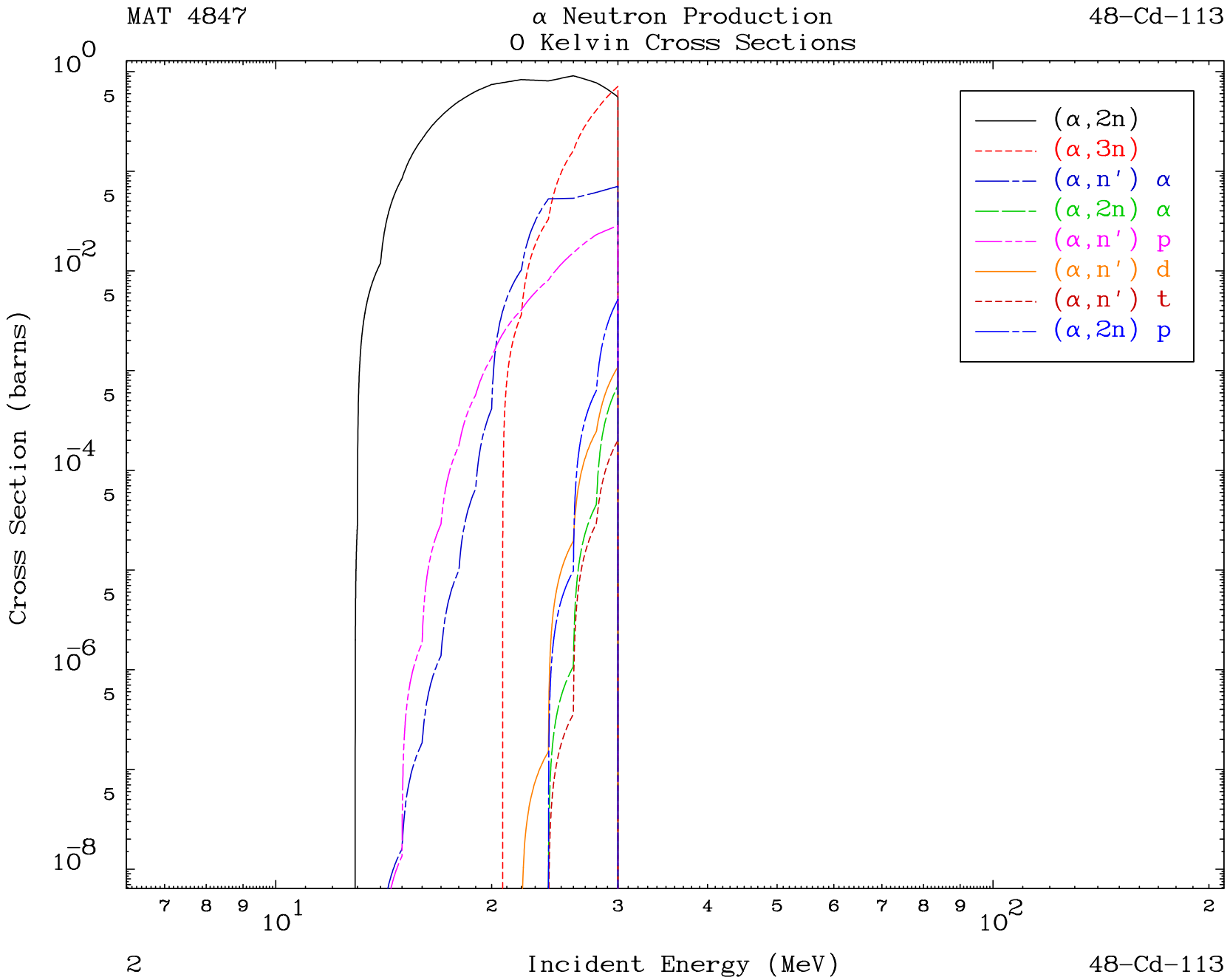
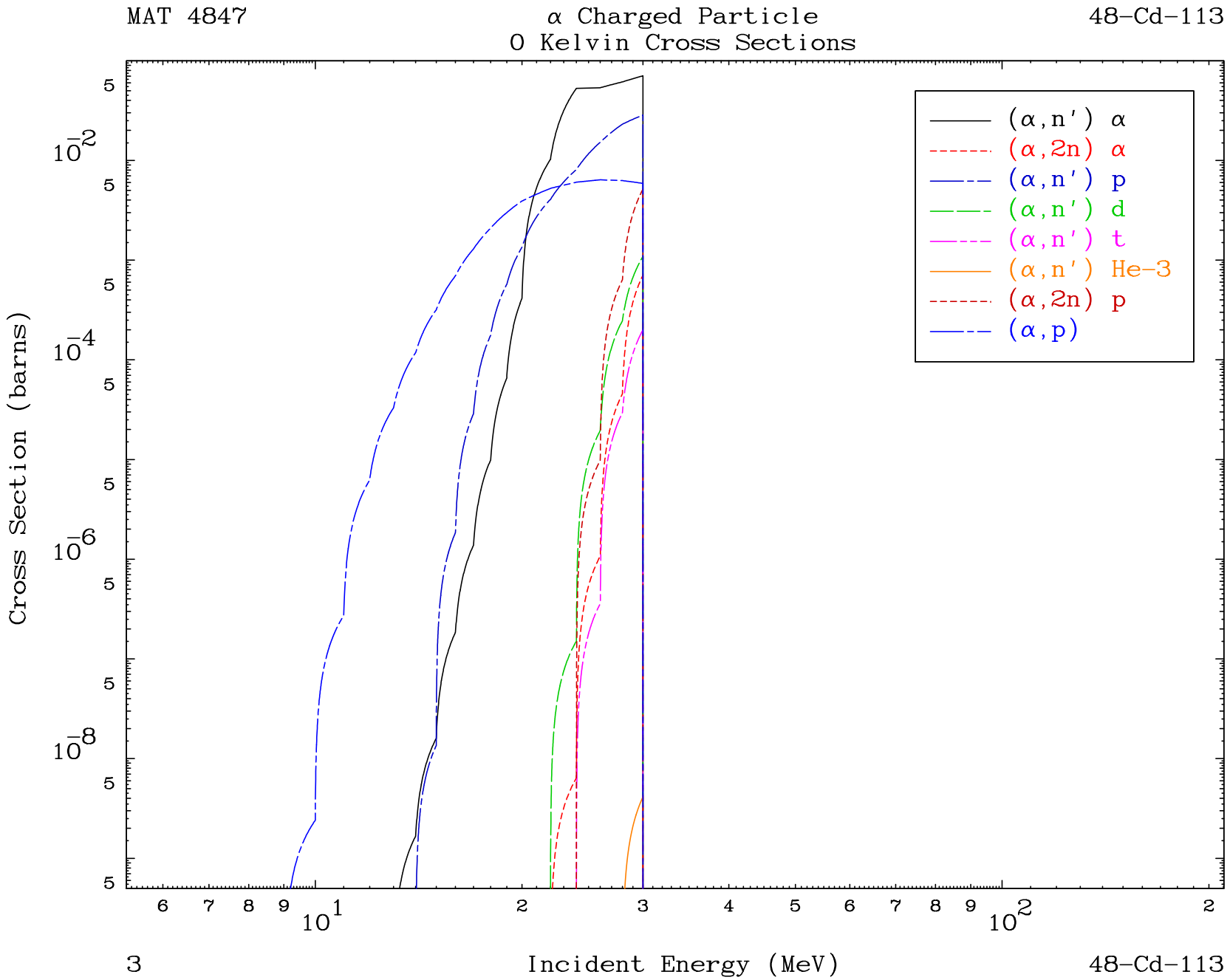
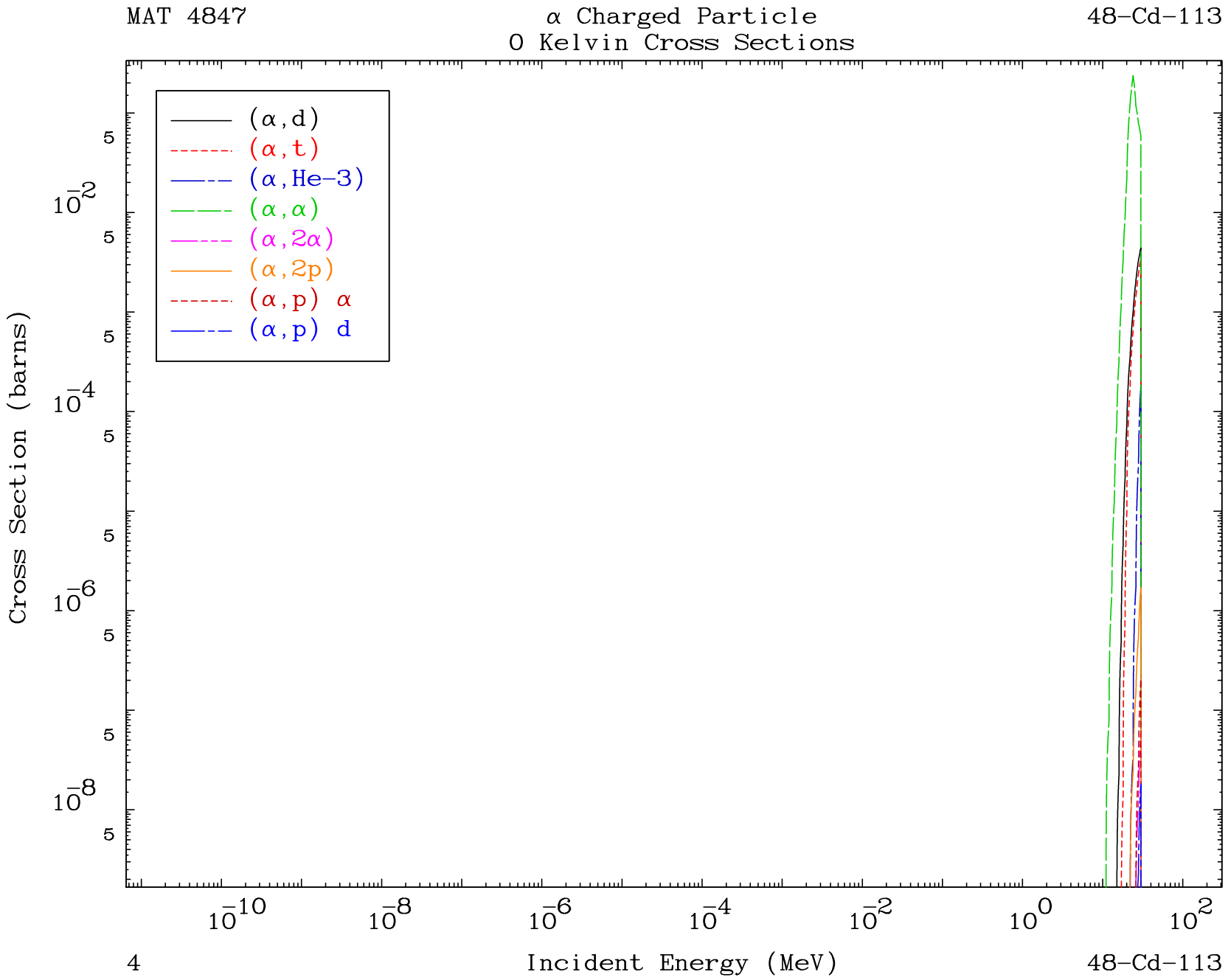
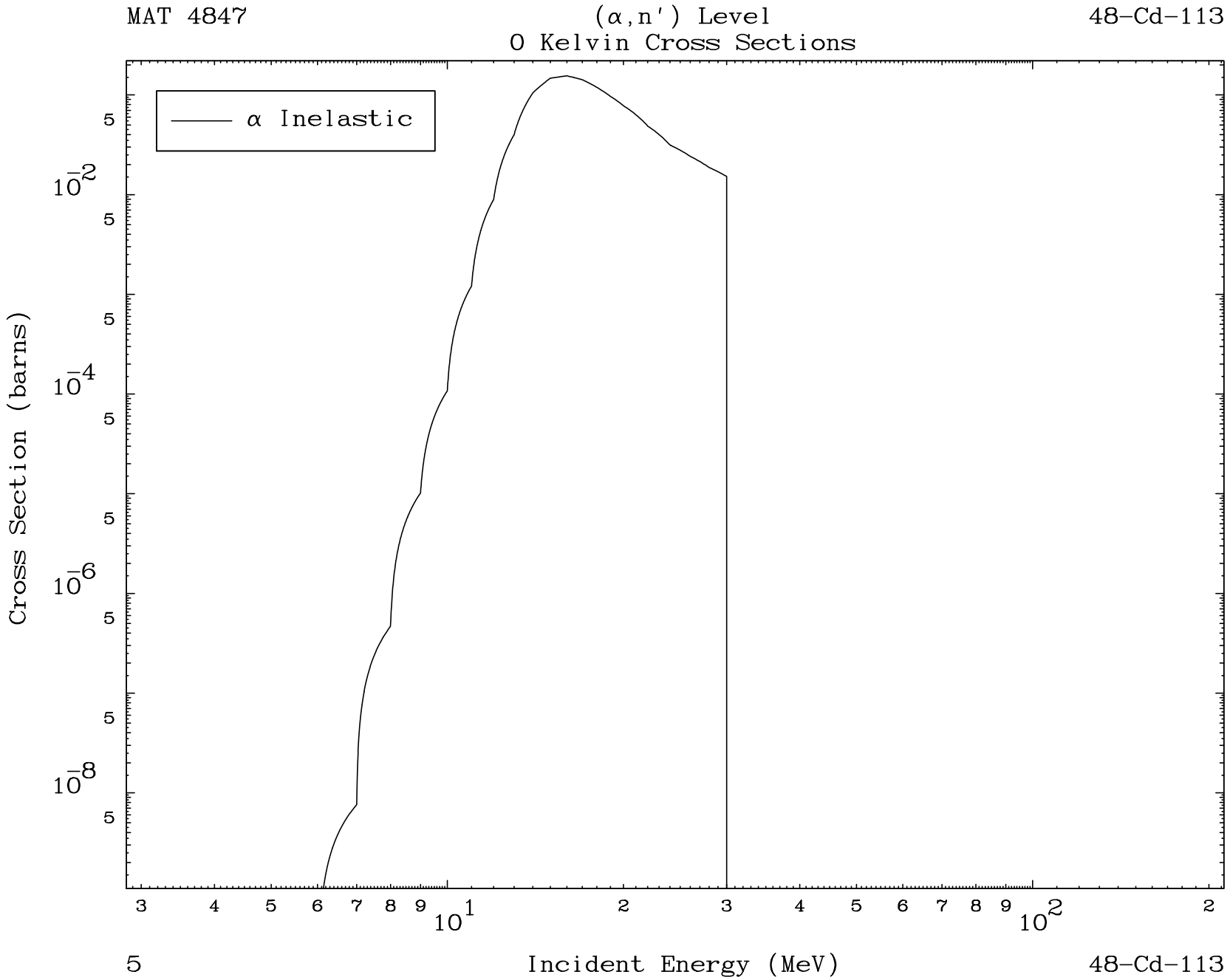
Press Mouse Button to Start

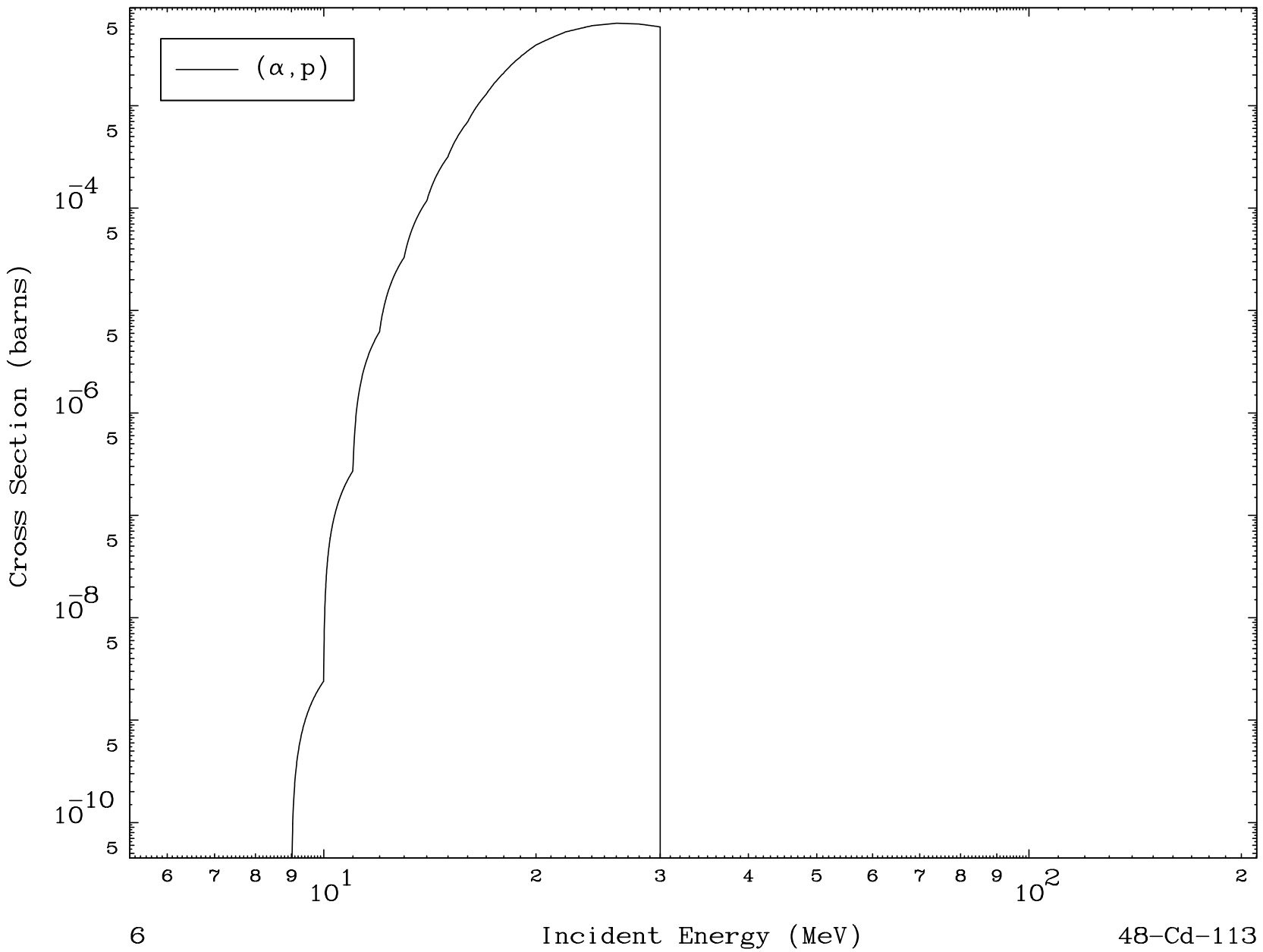

MAT 4847
α Major
48-Cd-113
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
48-Cd-113

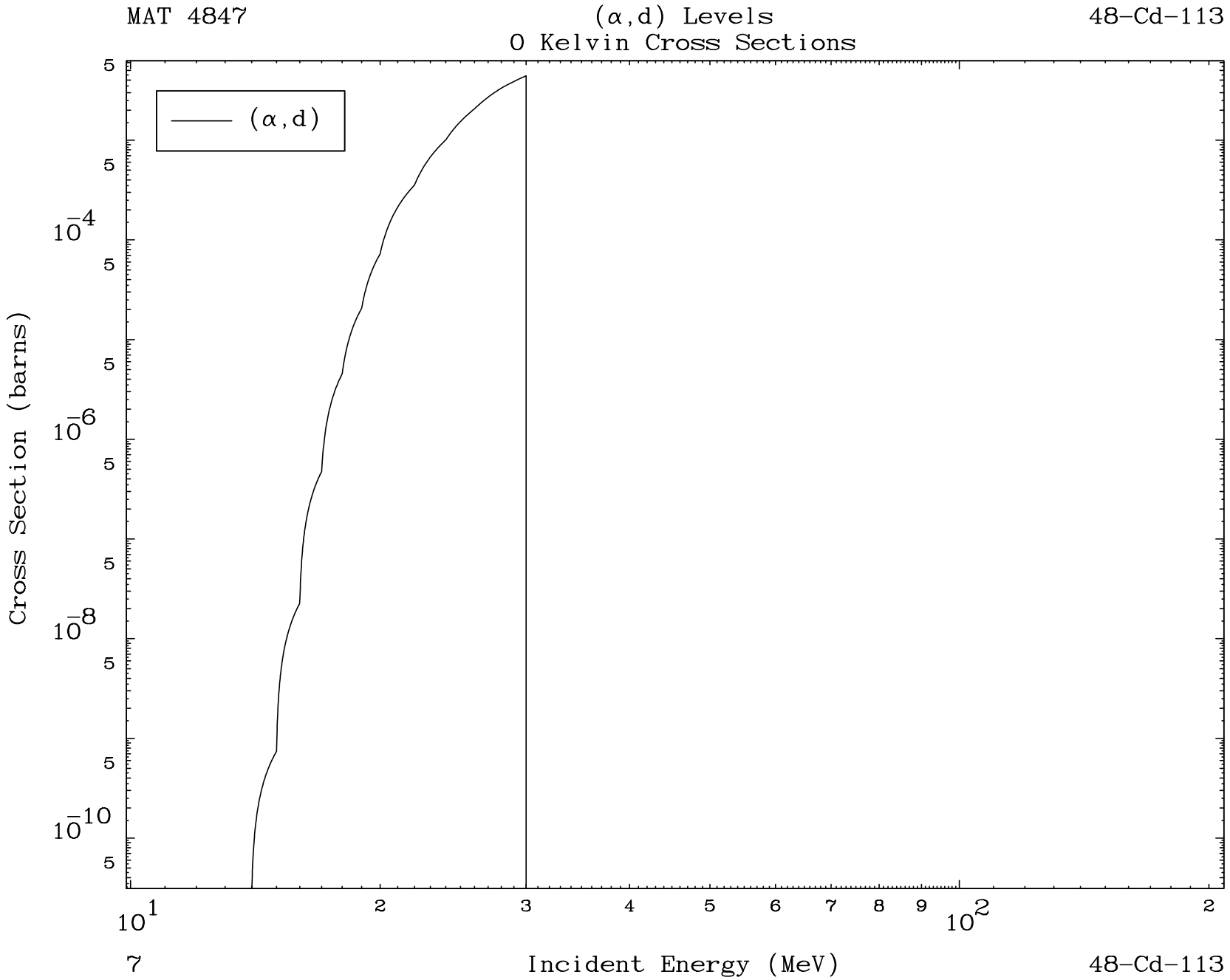

MAT 4847
α Neutron Production
0 Kelvin Cross Sections
48-Cd-113
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p

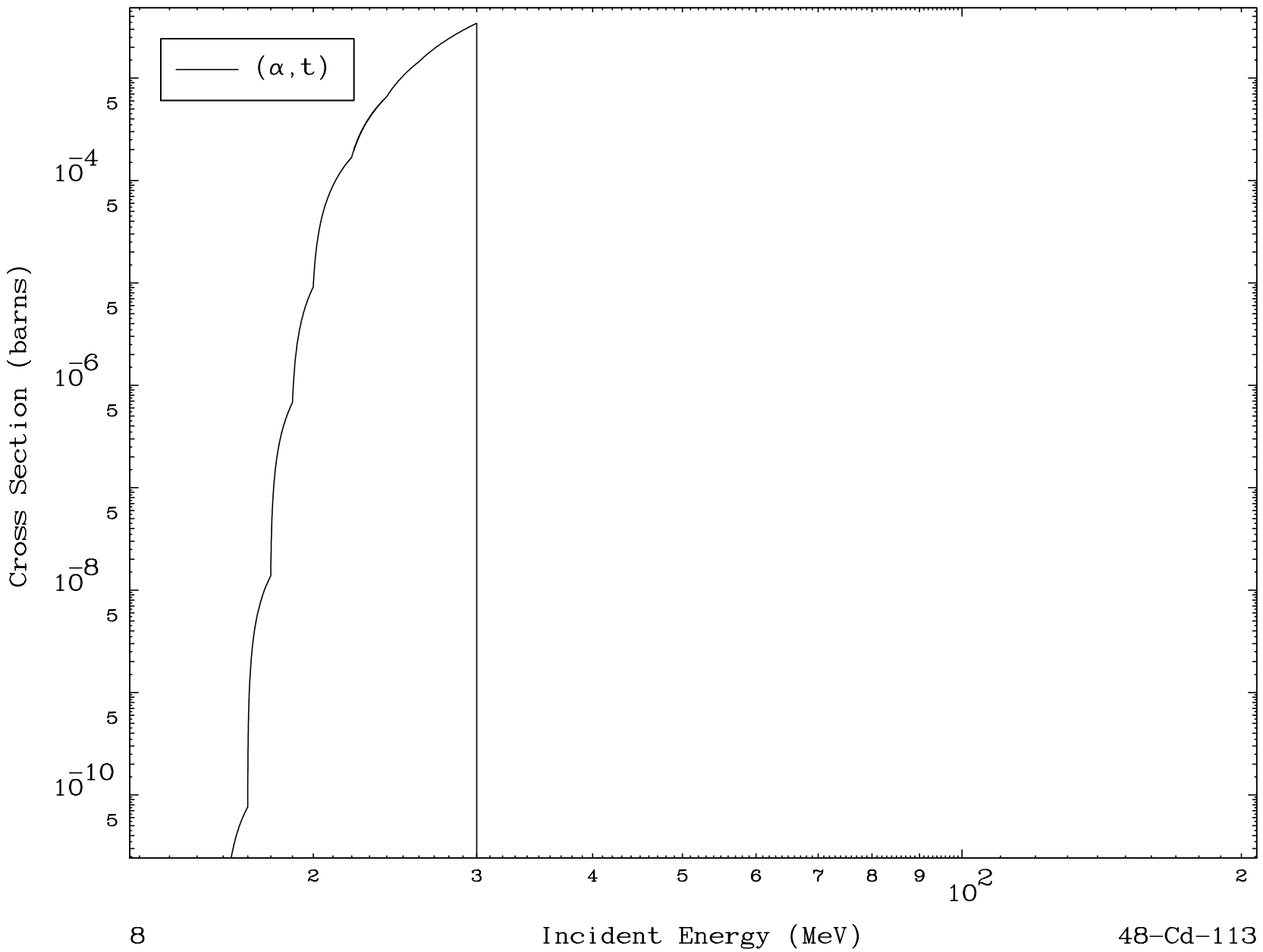

MAT 4847
α Charged Particle
0 Kelvin Cross Sections
48-Cd-113
Cross Section (barns)
Incident Energy (MeV)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,p)
3
48-Cd-113

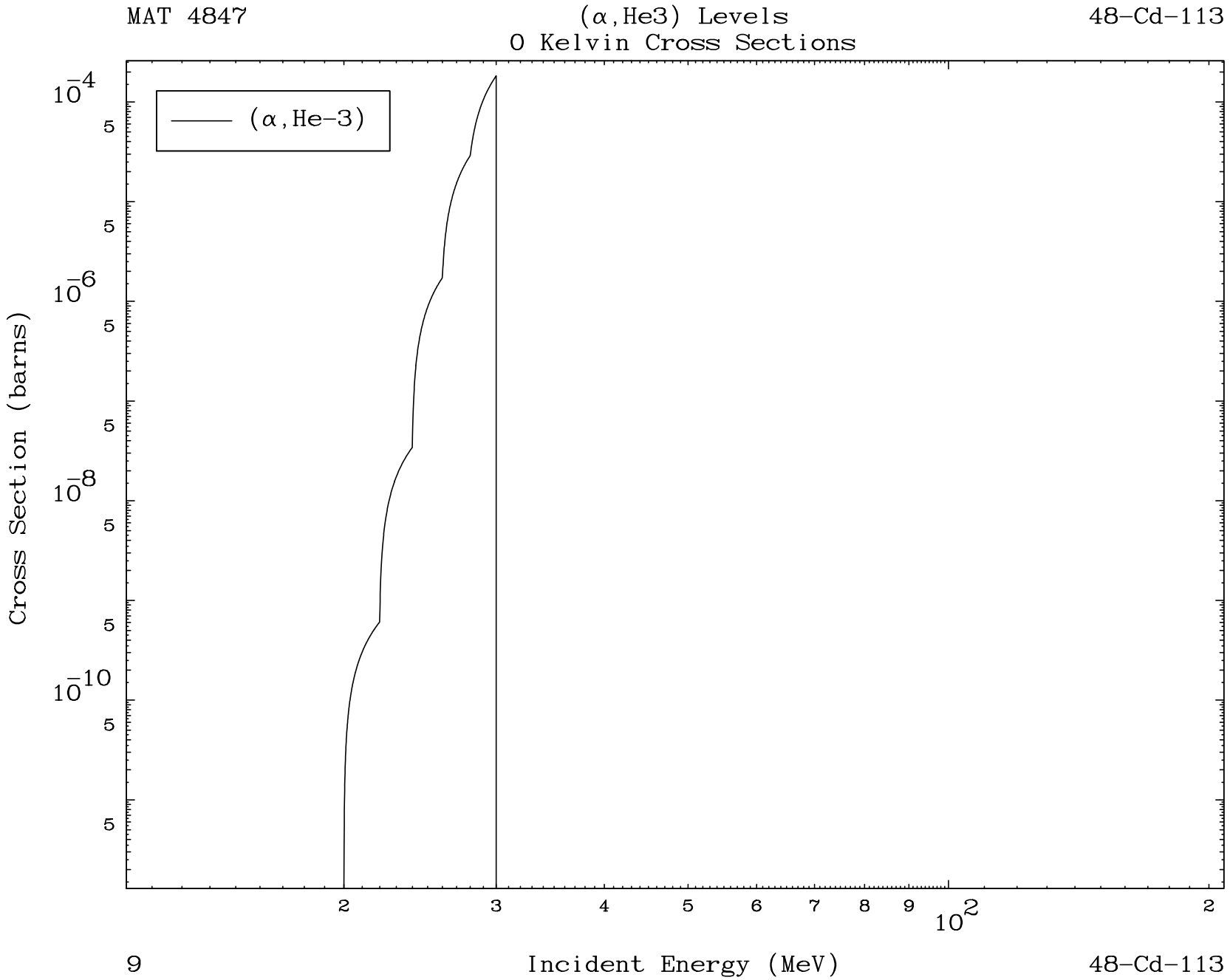

MAT 4847
α Charged Particle
0 Kelvin Cross Sections
48-Cd-113
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
Cross Section (barns)
Incident Energy (MeV)
4
48-Cd-113

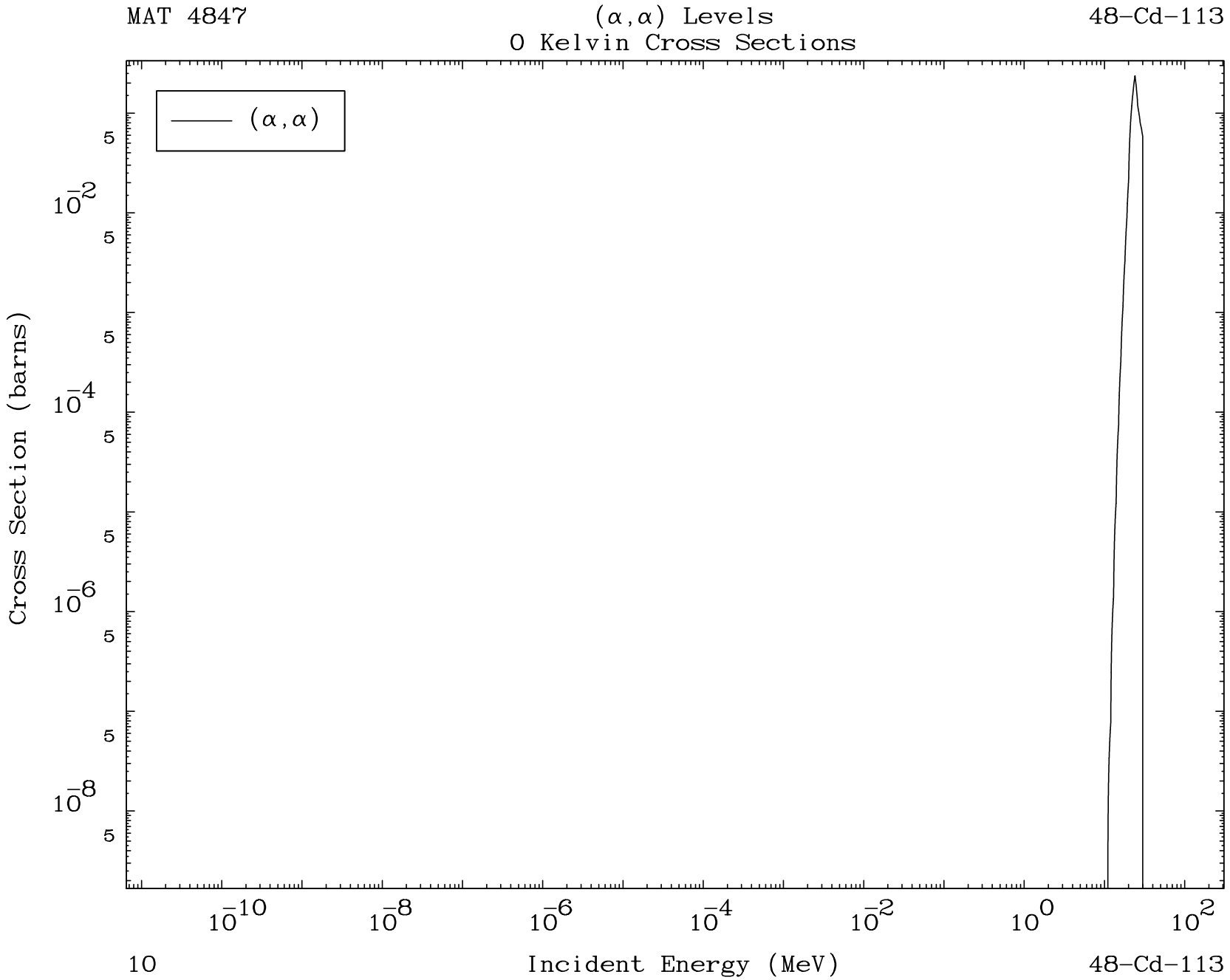

MAT 4847
(α,n') Level
48-Cd-113
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
5
Incident Energy (MeV)
48-Cd-113

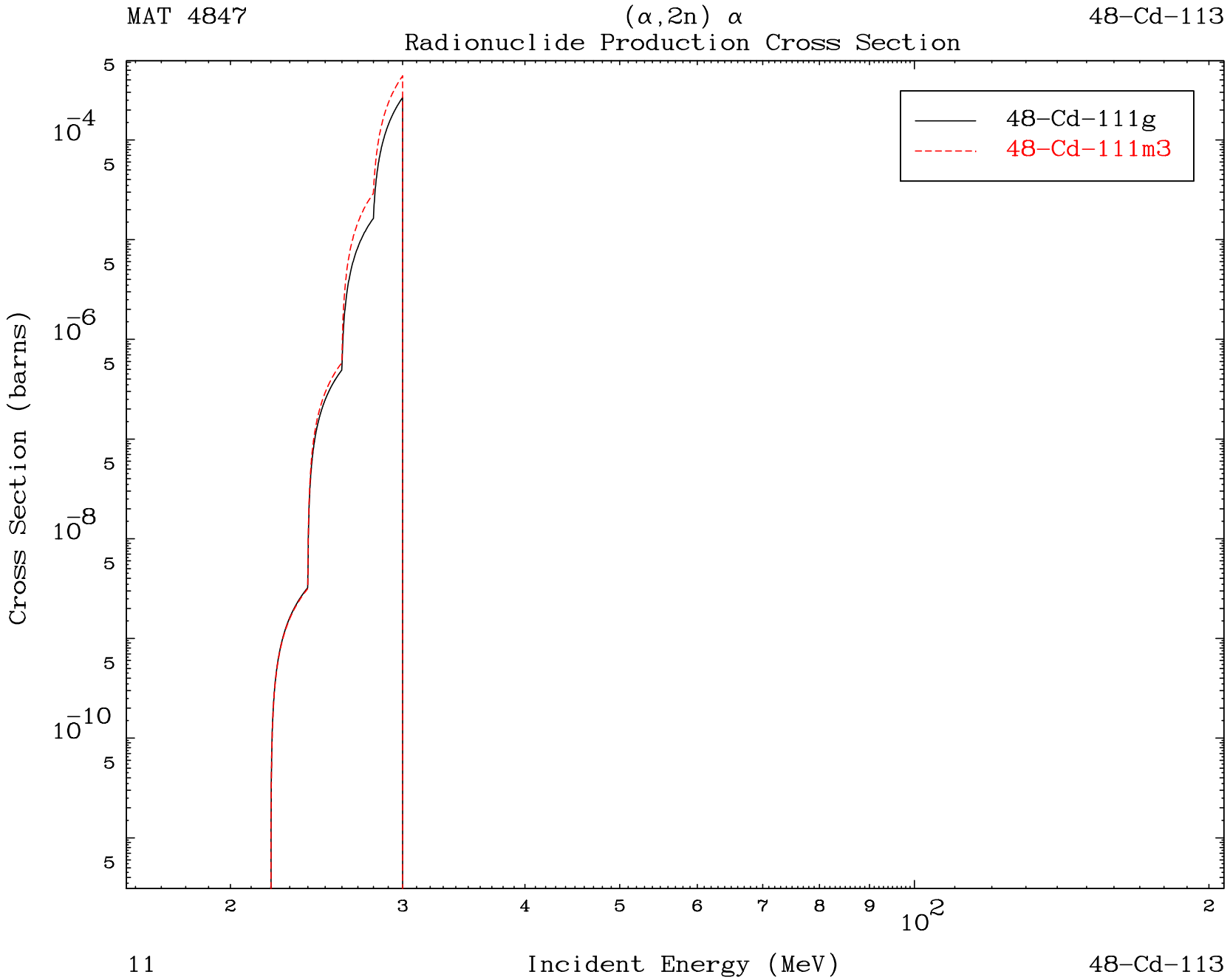

0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)

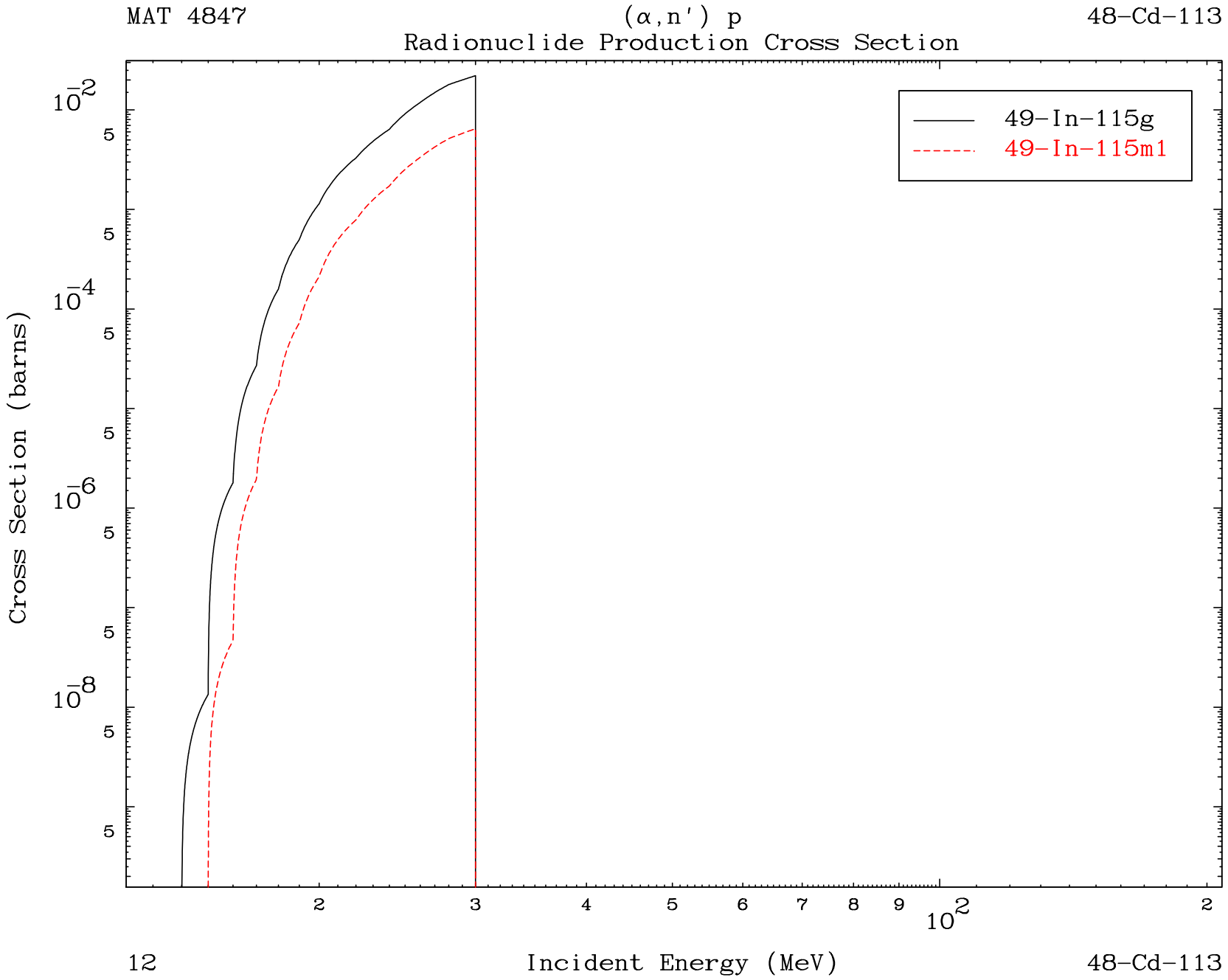

MAT 4847
(α,d) Levels
48-Cd-113
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
101
102
48-Cd-113

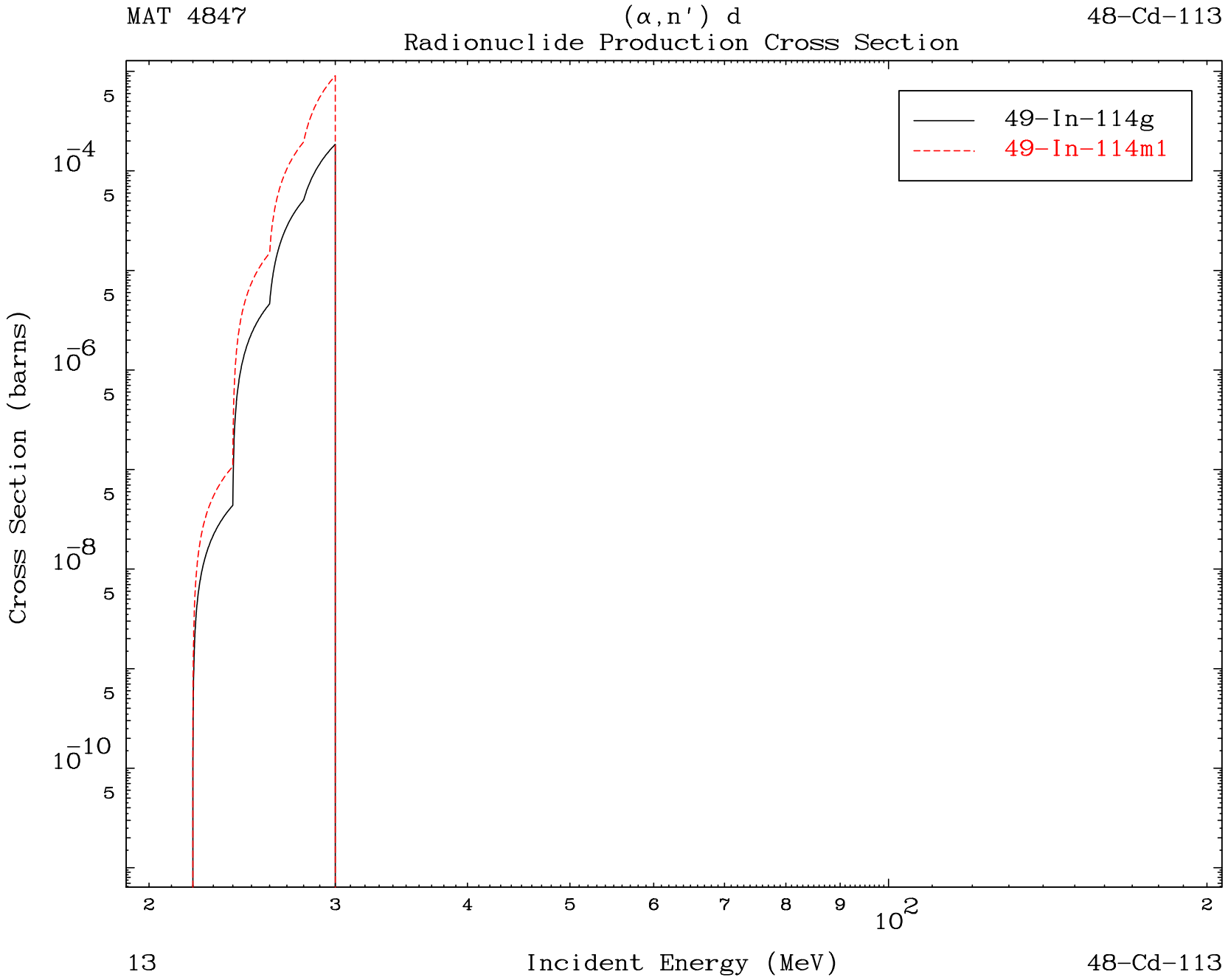

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10⁻4
10⁻6
10⁻8
10⁻10
5
2
3
4
5
6
7
8
9
10²
2
Incident Energy (MeV)

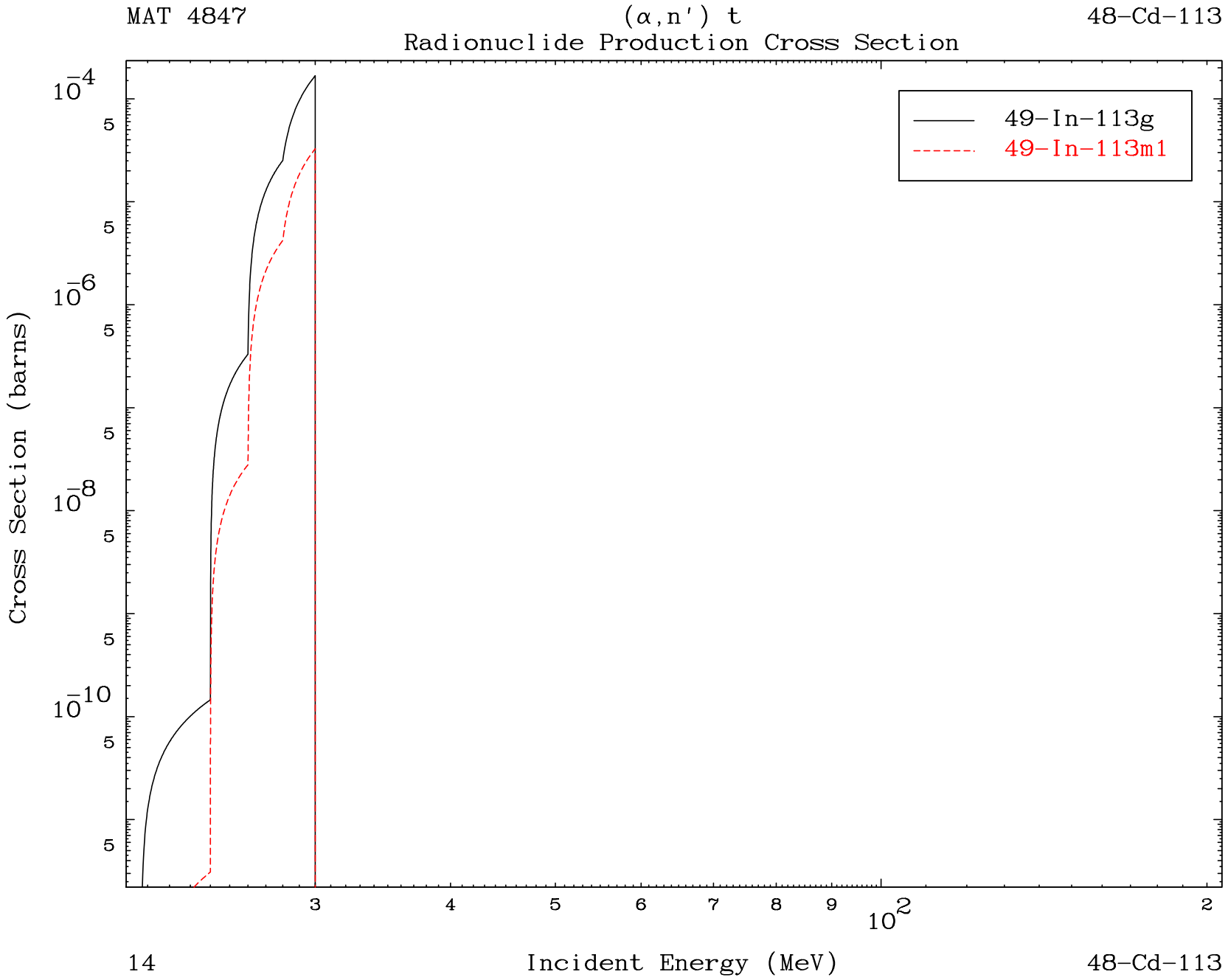

MAT 4847
(α,He3) Levels
48-Cd-113
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
9
48-Cd-113

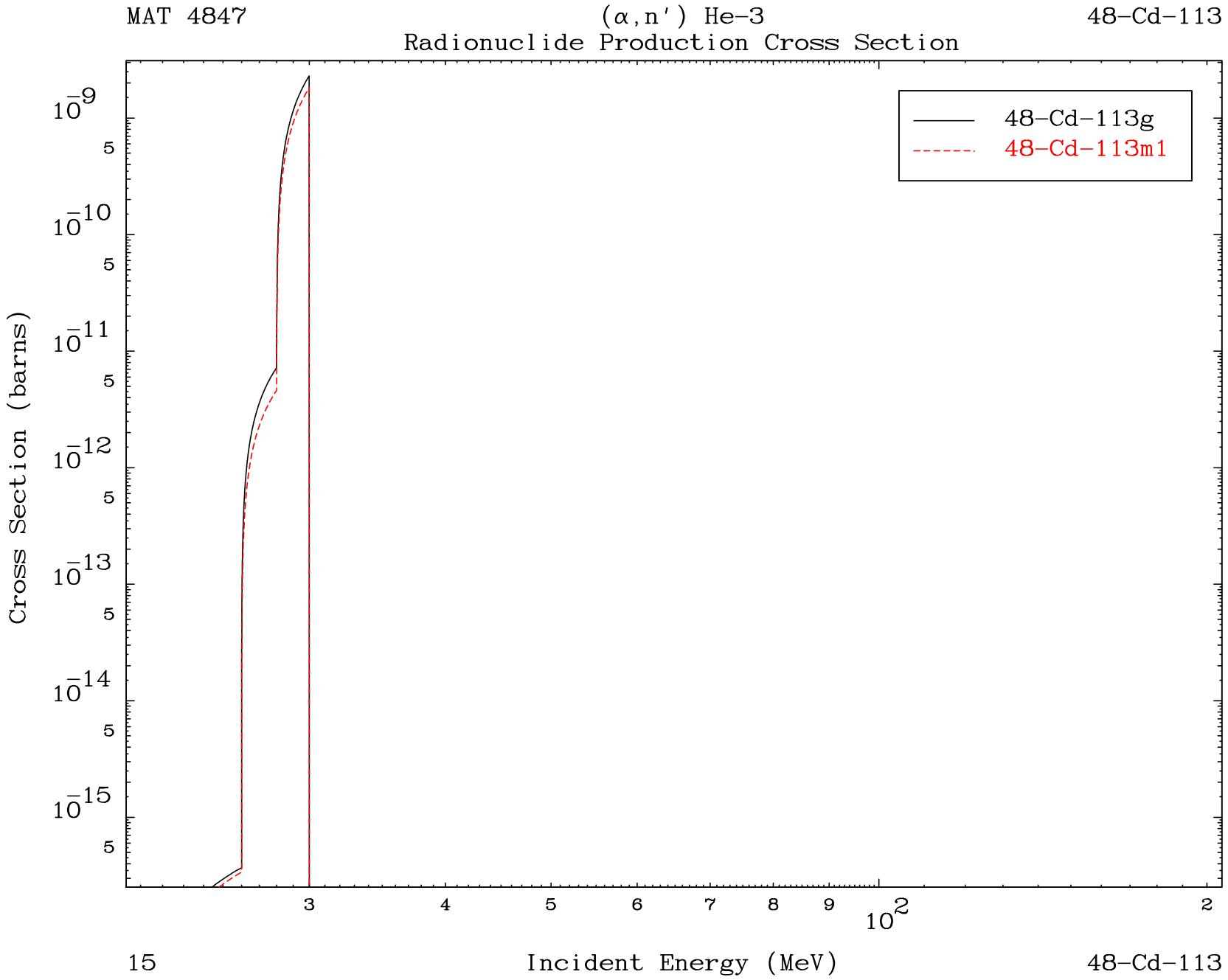

MAT 4847
(α,α) Levels
48-Cd-113
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
10
48-Cd-113

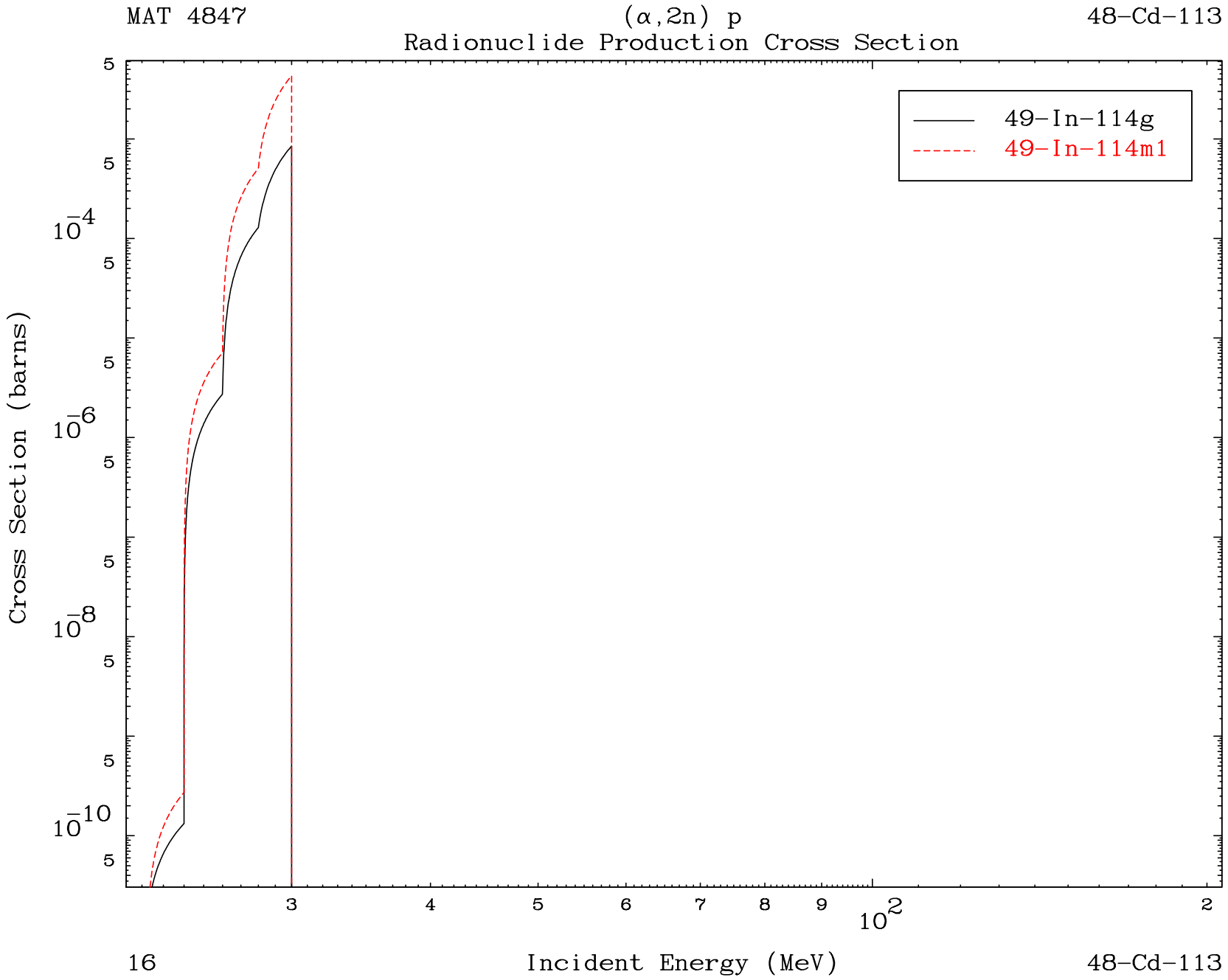

MAT 4847
(α,2n) α
48-Cd-113
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
11
48-Cd-113

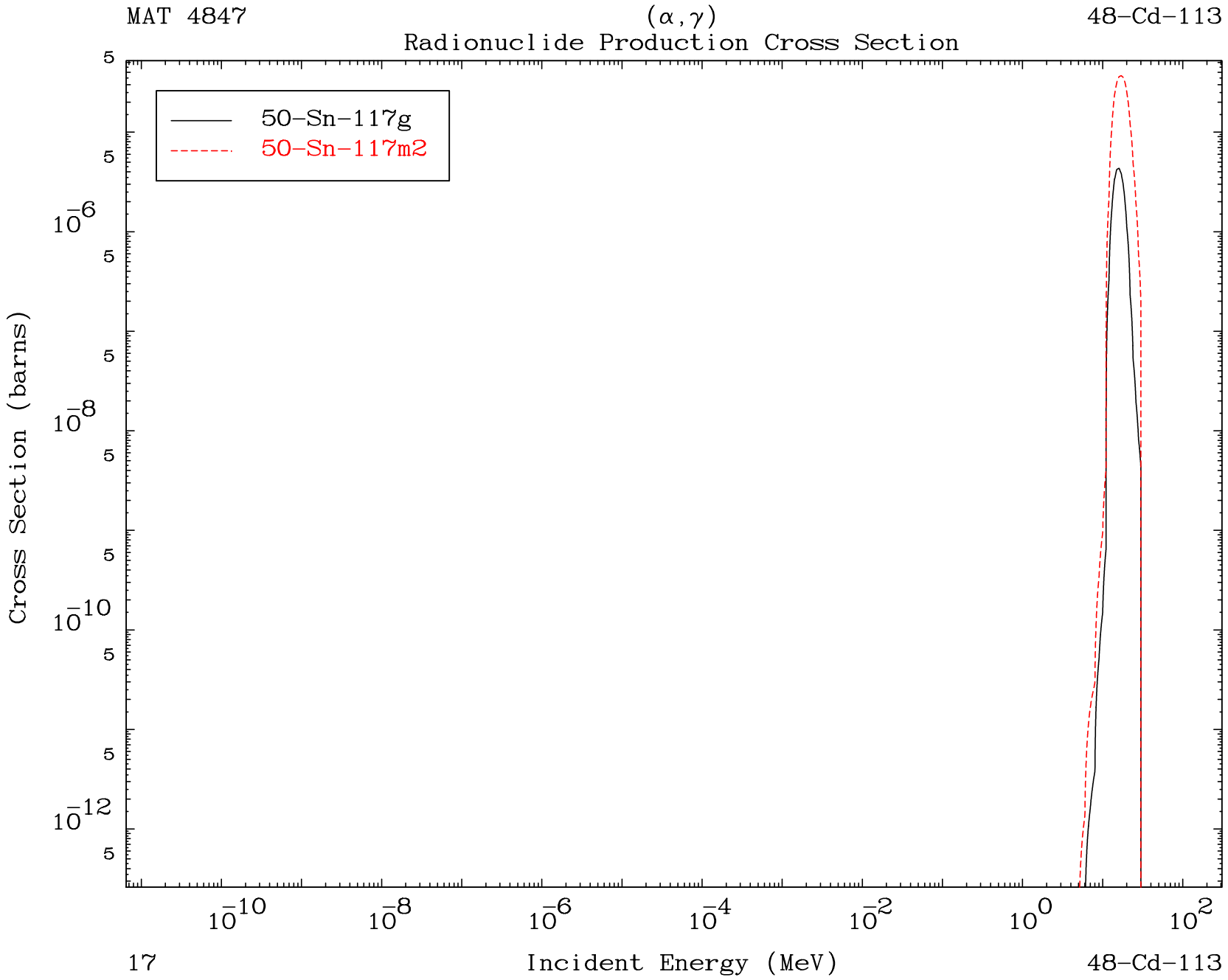

MAT 4847
(α,n') p
48-Cd-113
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
48-Cd-113

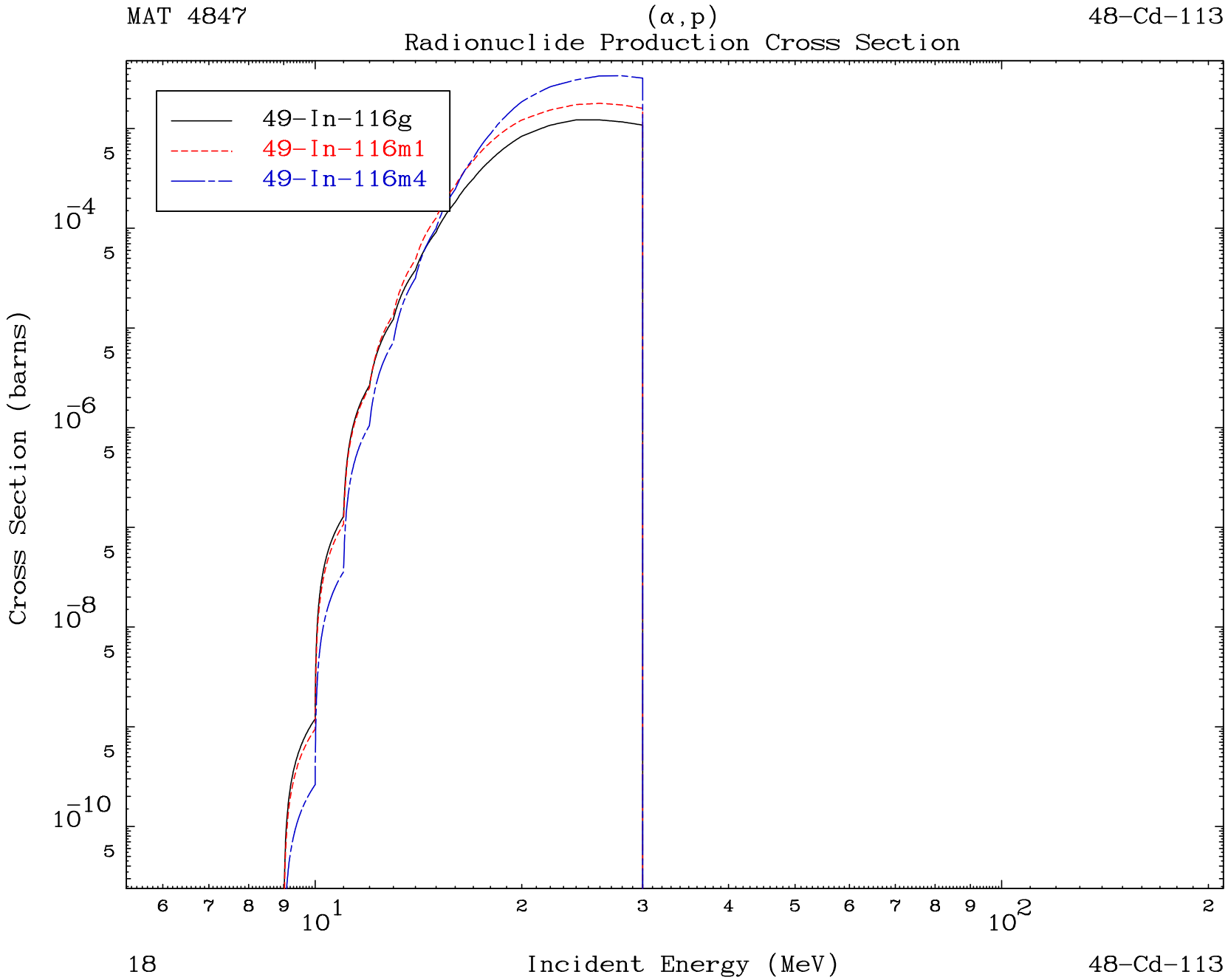

MAT 4847
(α,n') d
48-Cd-113
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
48-Cd-113

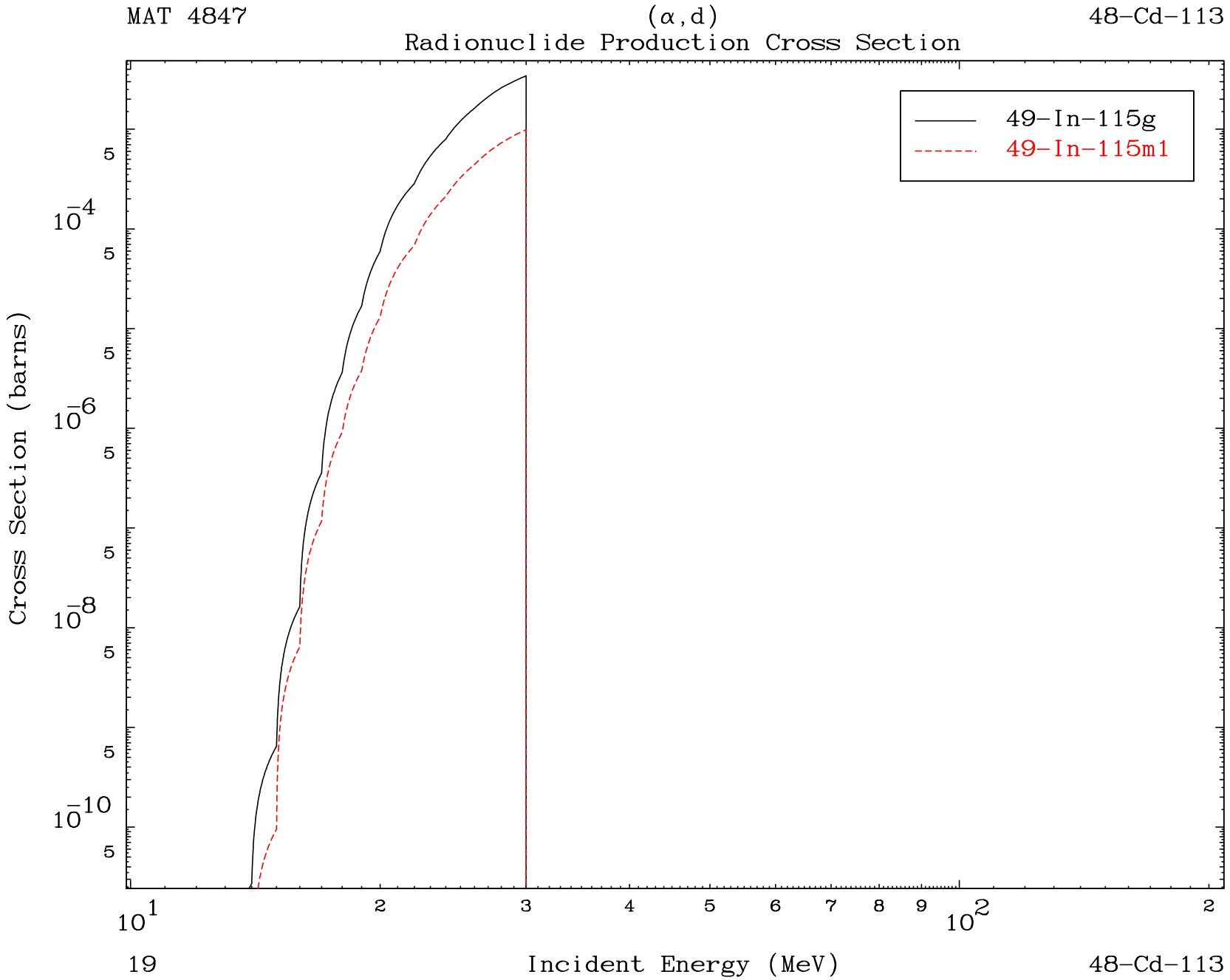

MAT 4847
(α,n') t
48-Cd-113
Radionuclide Production Cross Section
49-In-113g
49-In-113m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
48-Cd-113

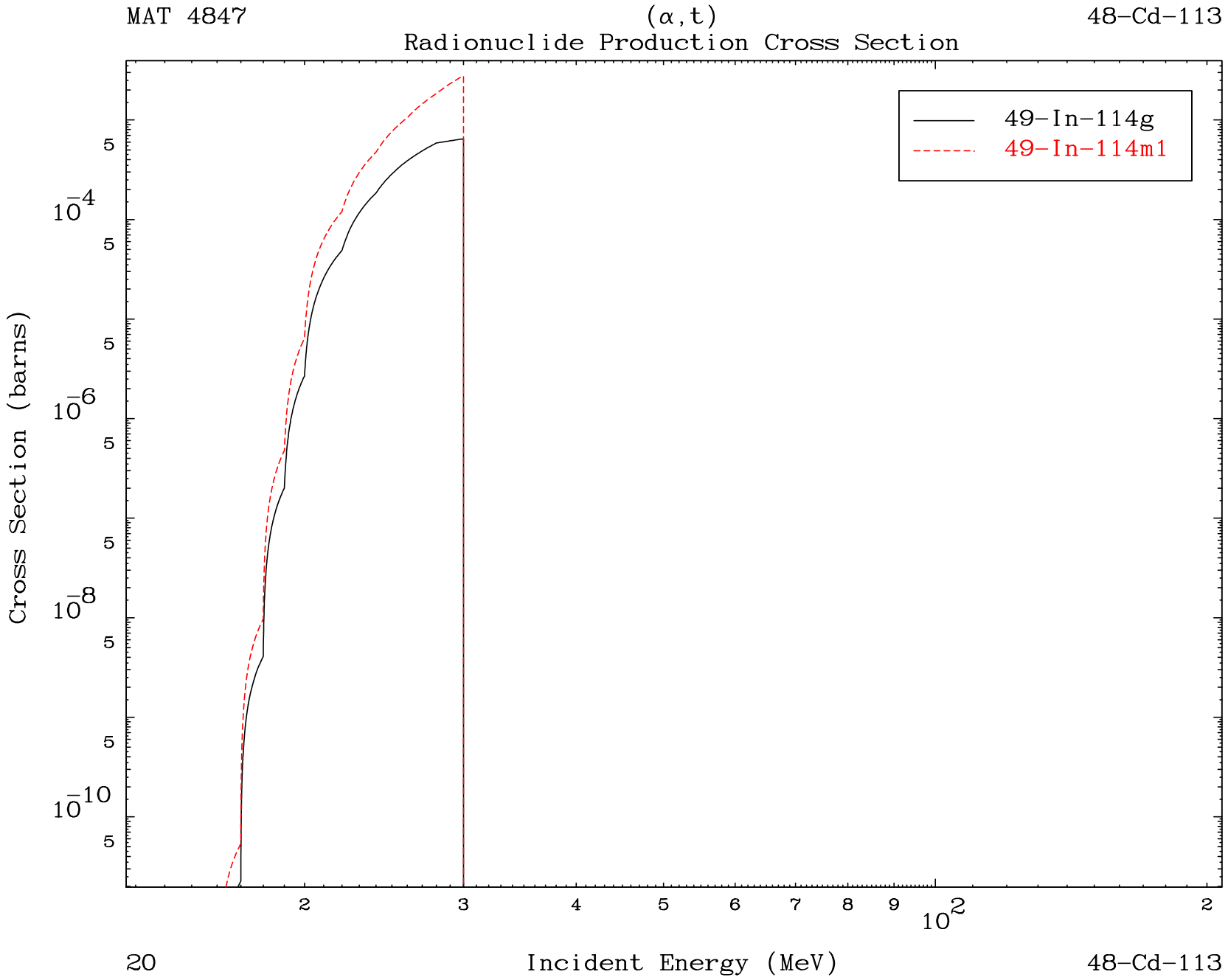

MAT 4847
(α,n') He-3
48-Cd-113
Radionuclide Production Cross Section
48-Cd-113g
48-Cd-113m1
Cross Section (barns)
10^-9
10^-10
10^-11
10^-12
10^-13
10^-14
10^-15
5
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
48-Cd-113

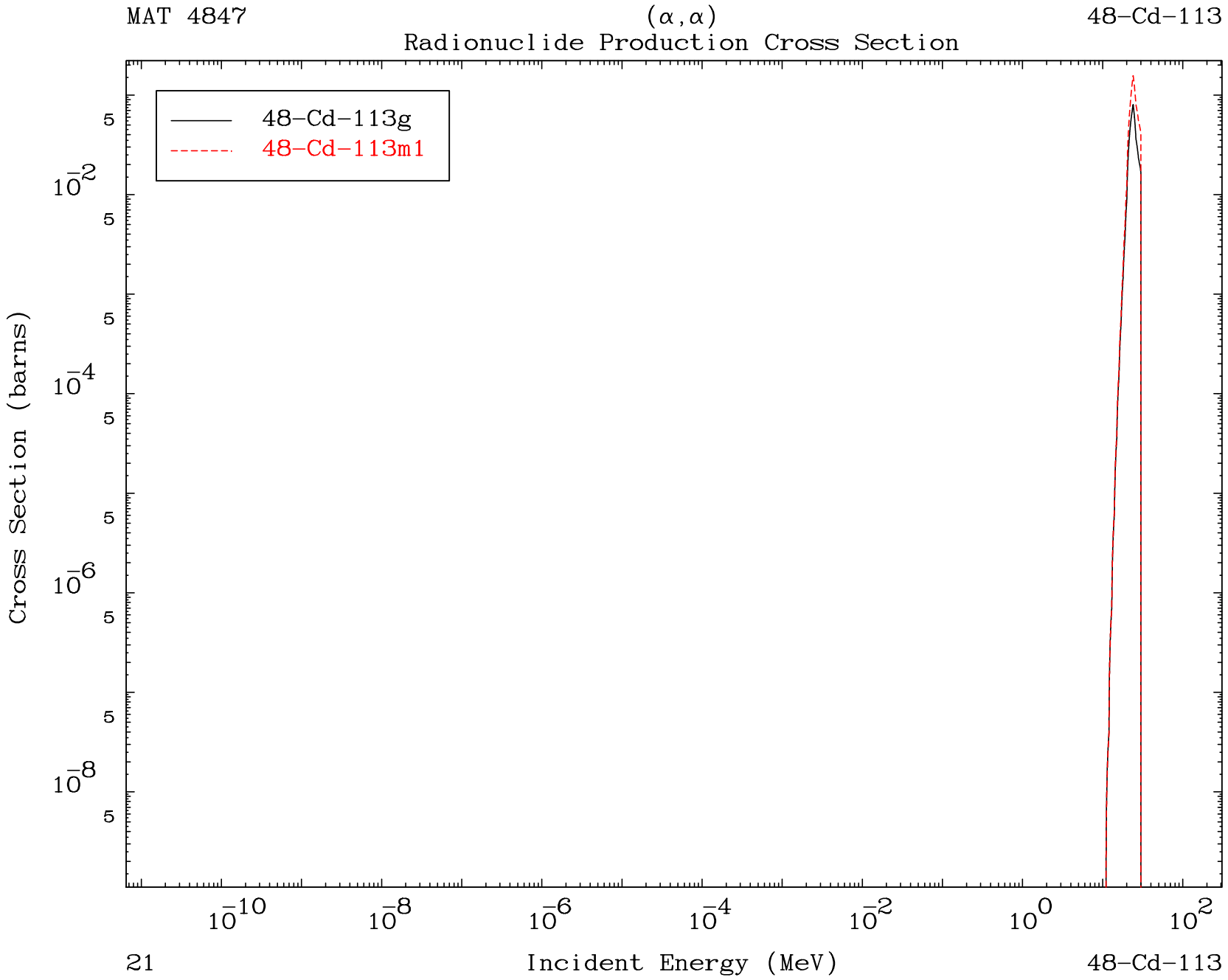

MAT 4847
(α,2n) p
48-Cd-113
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
48-Cd-113

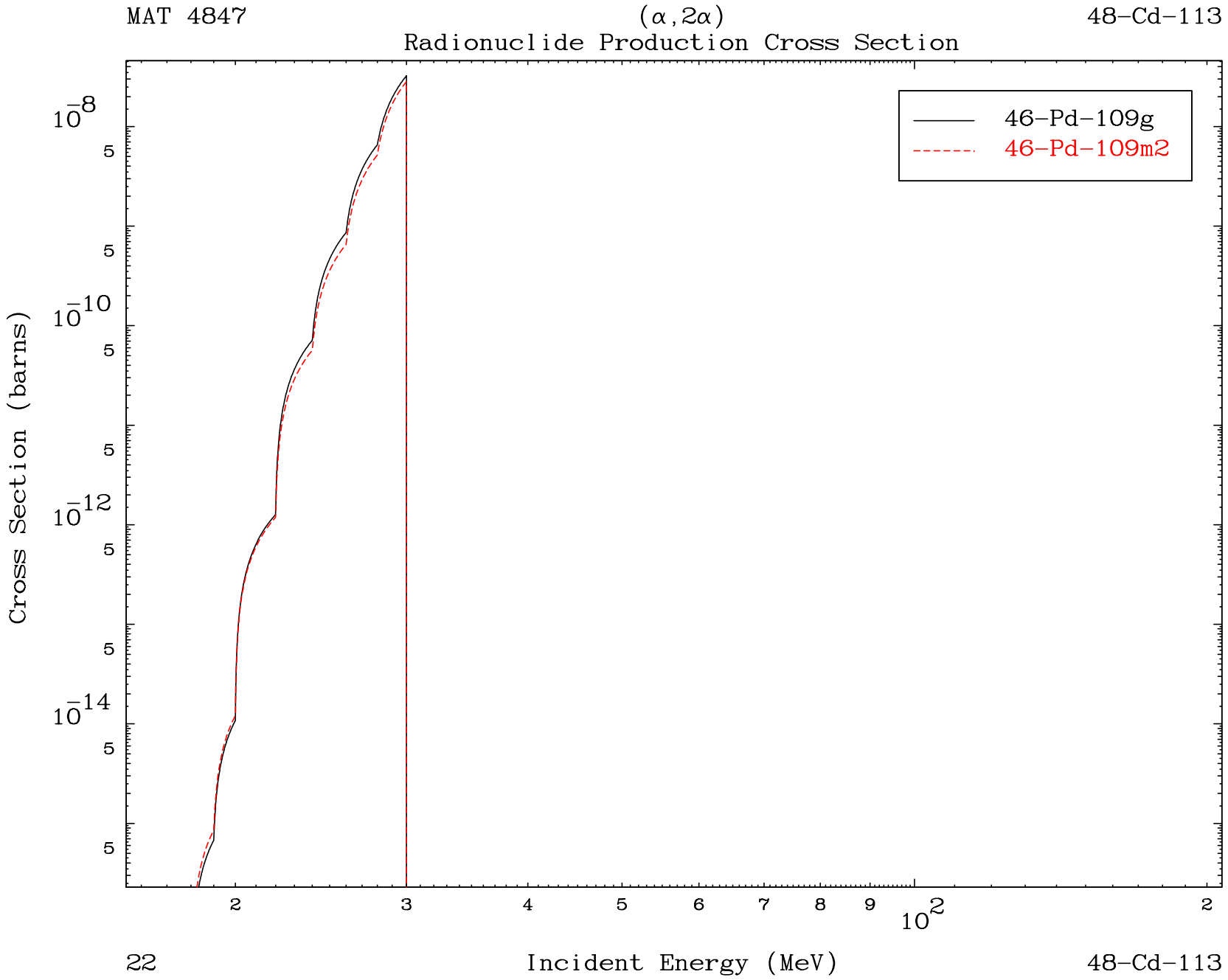

MAT 4847
(α,γ)
48-Cd-113
Radionuclide Production Cross Section
50-Sn-117g
50-Sn-117m2
Cross Section (barns)
Incident Energy (MeV)
17
48-Cd-113

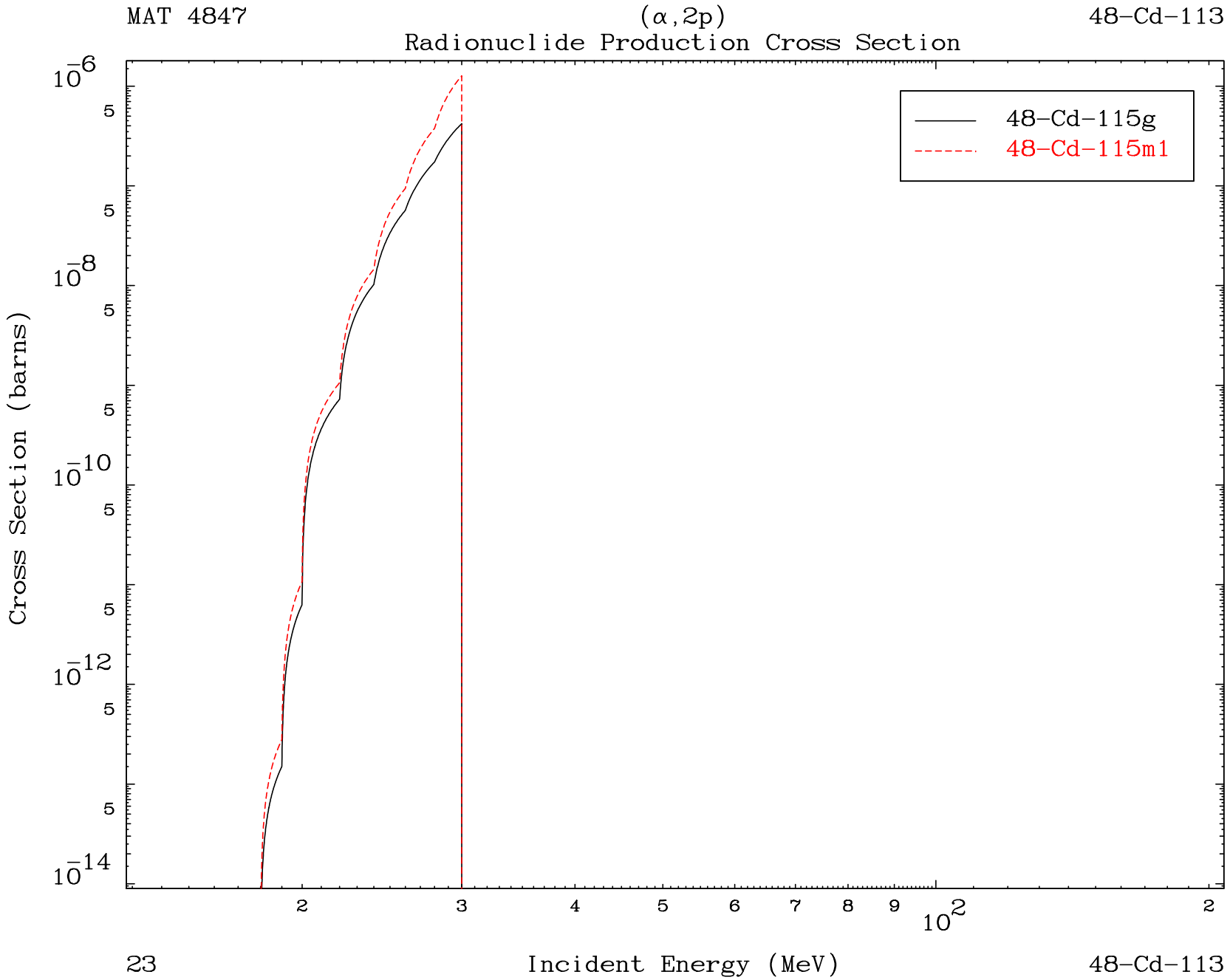

MAT 4847
(α,p)
48-Cd-113
Radionuclide Production Cross Section
49-In-116g
49-In-116m1
49-In-116m4
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
18
48-Cd-113


MAT 4847
(α,d)
48-Cd-113
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
19
48-Cd-113


MAT 4847
(α,t)
48-Cd-113
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
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)
48-Cd-113


MAT 4847
(α,α)
48-Cd-113
Radionuclide Production Cross Section
48-Cd-113g
48-Cd-113m1
Cross Section (barns)
Incident Energy (MeV)
21
48-Cd-113


MAT 4847
(α,2α)
48-Cd-113
Radionuclide Production Cross Section
46-Pd-109g
46-Pd-109m2
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
22
Incident Energy (MeV)
48-Cd-113


MAT 4847
(α,2p)
48-Cd-113
Radionuclide Production Cross Section
48-Cd-115g
48-Cd-115m1
Cross Section (barns)
10-6
10-8
10-10
10-12
10-14
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
23
48-Cd-113