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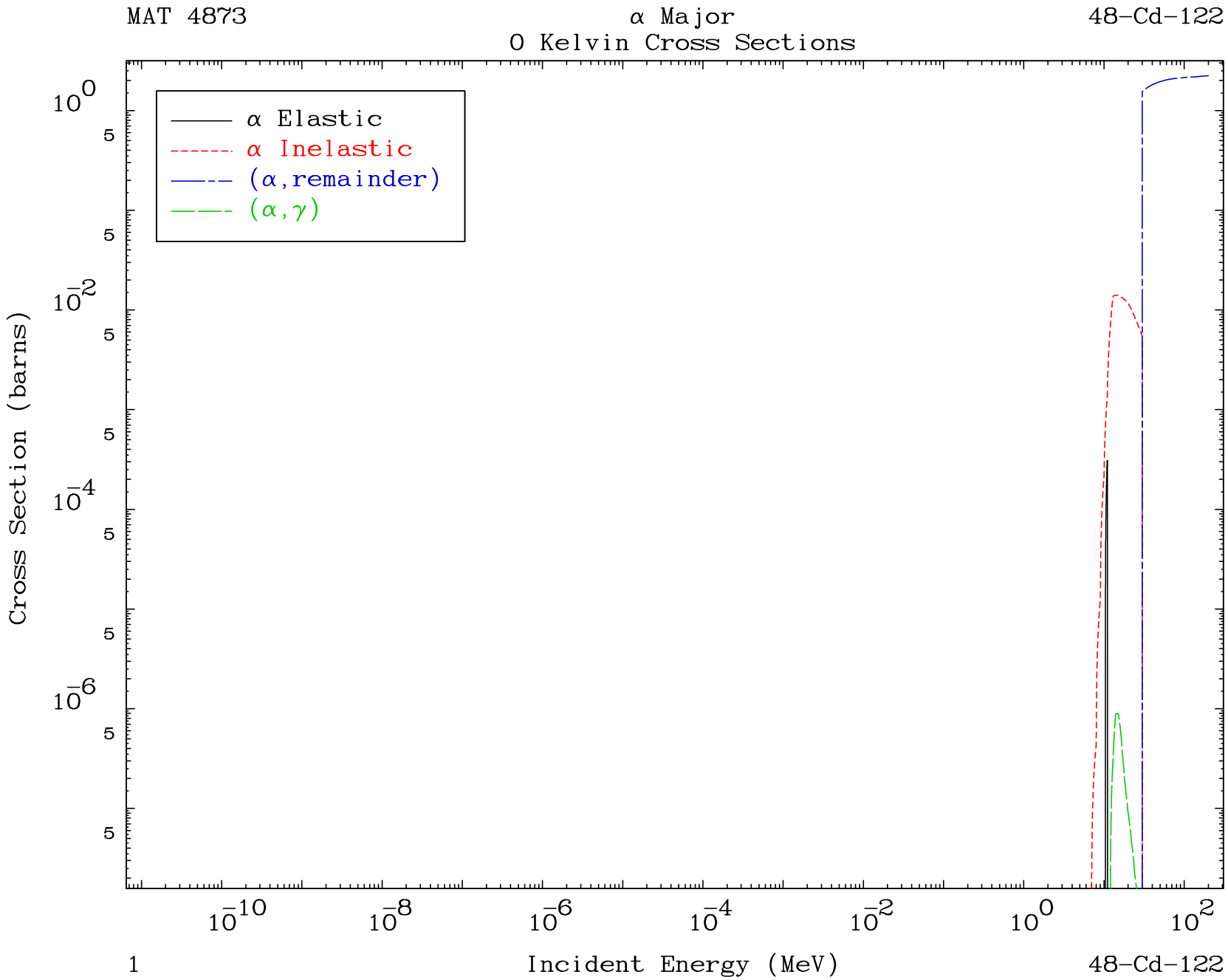
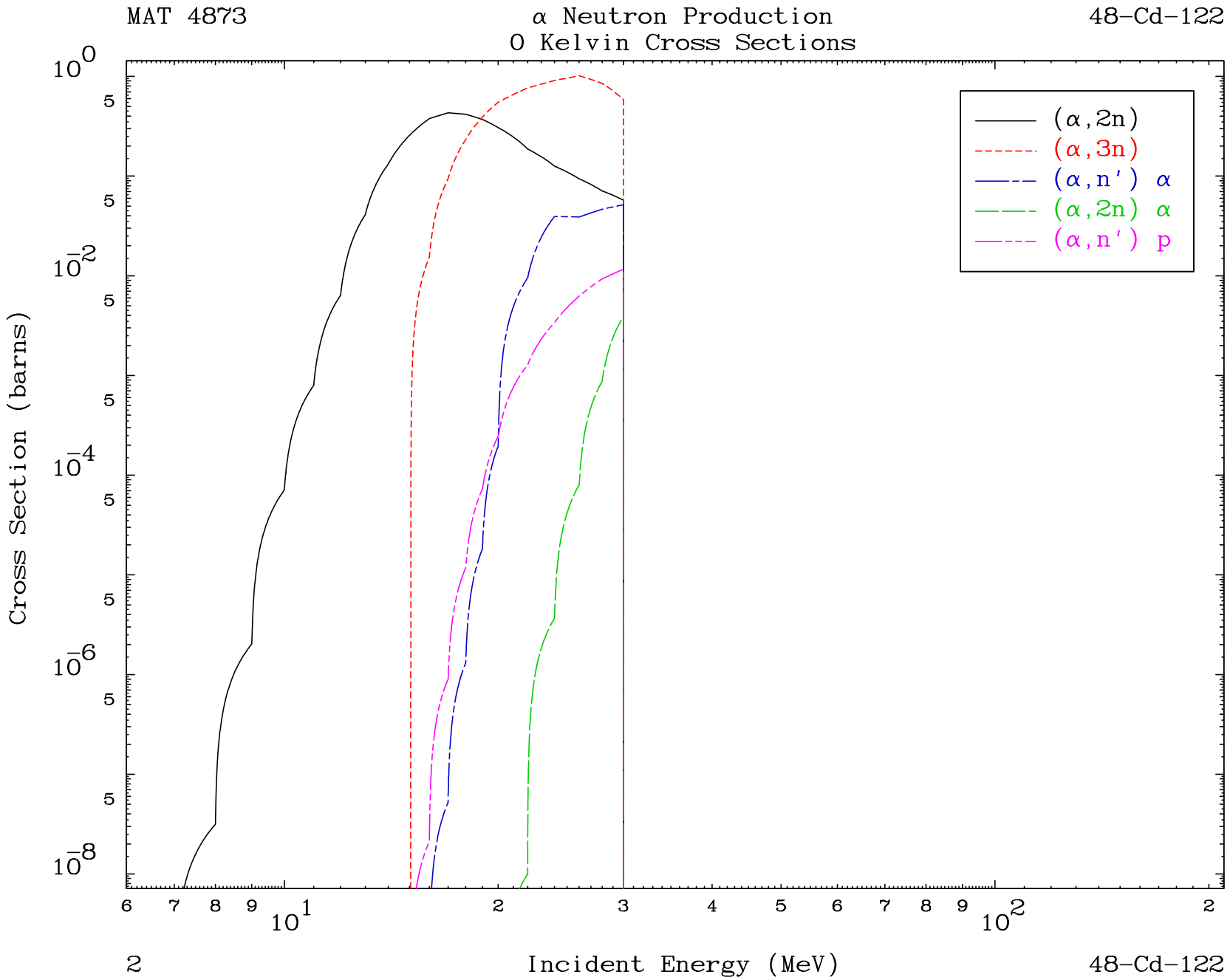
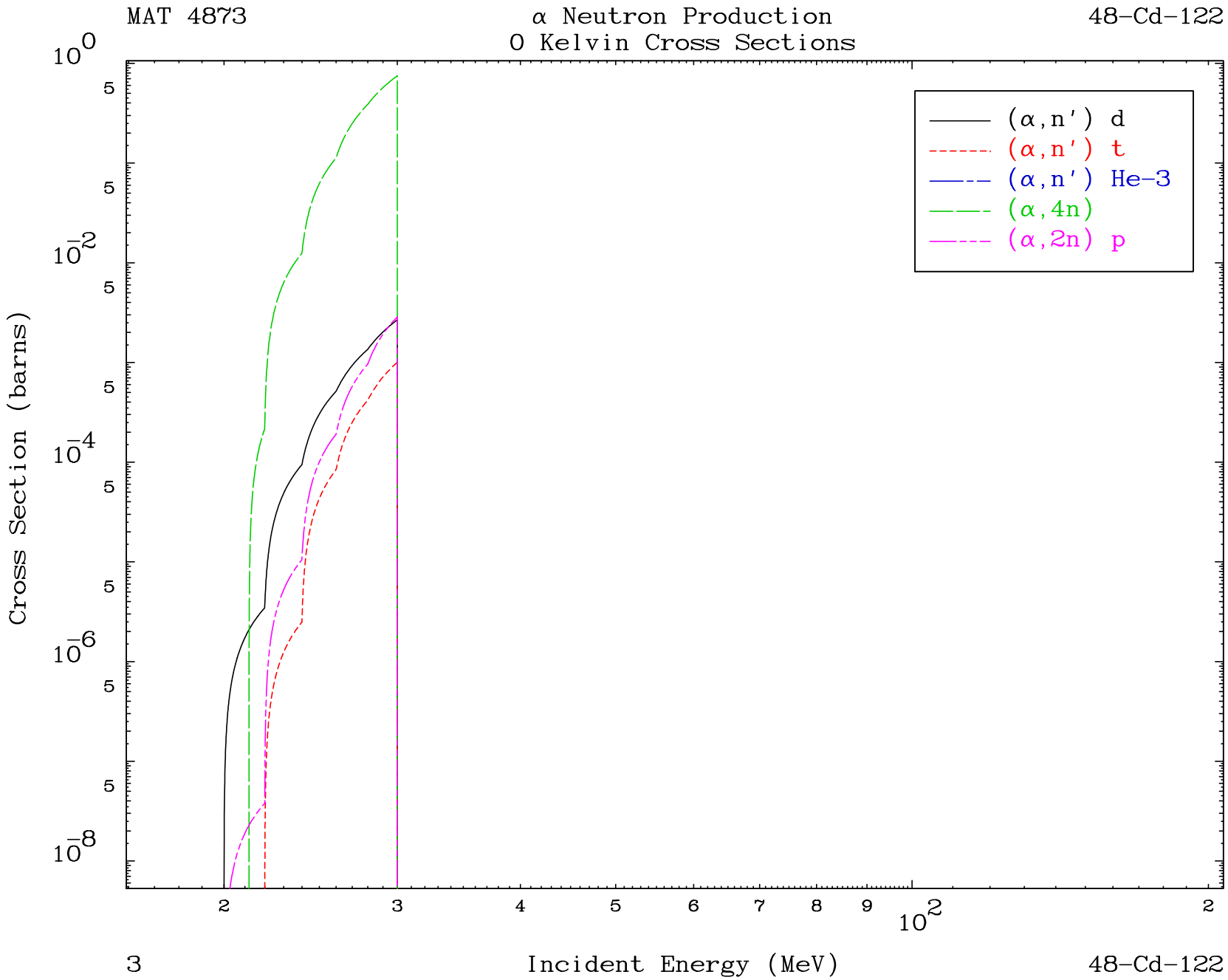
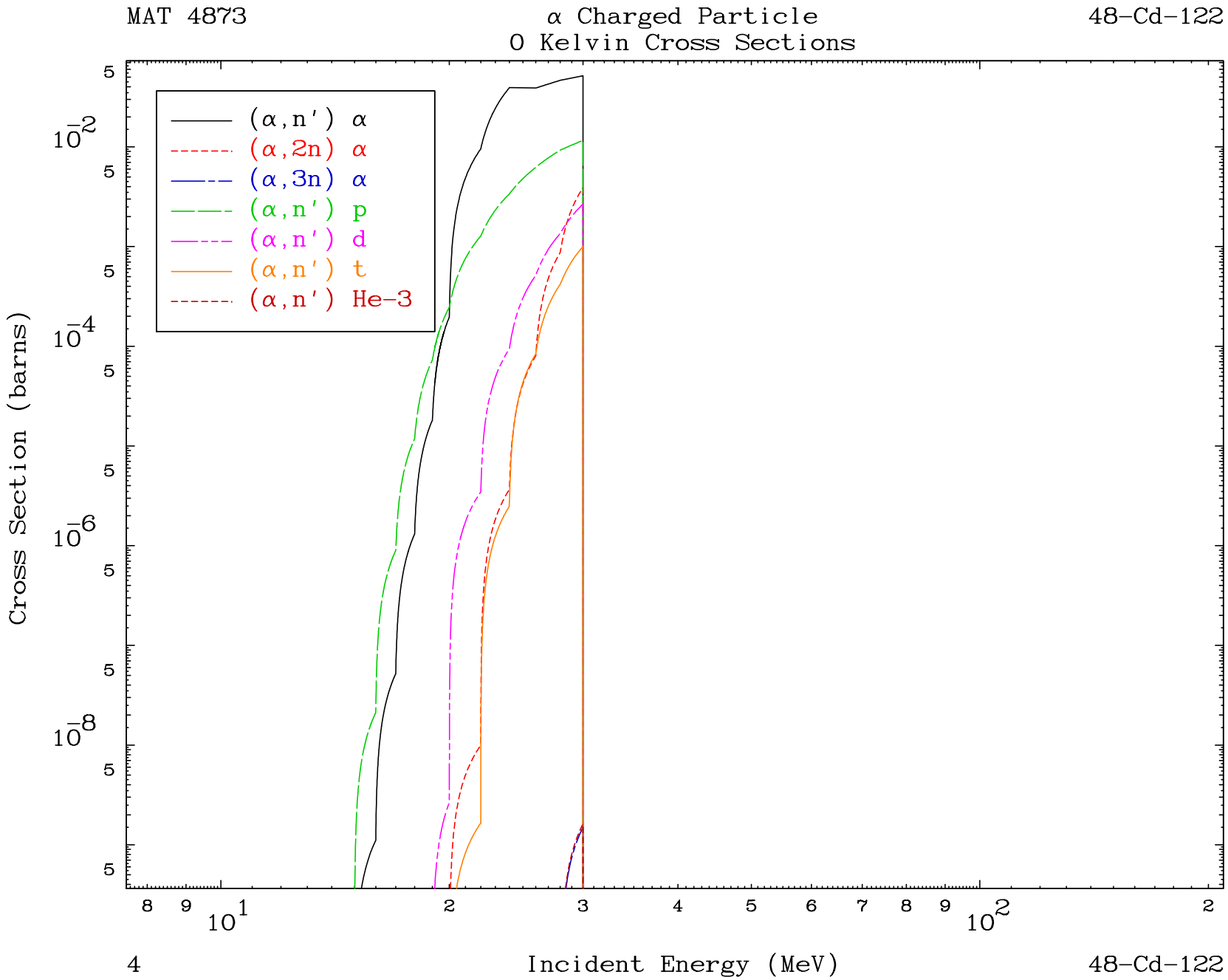
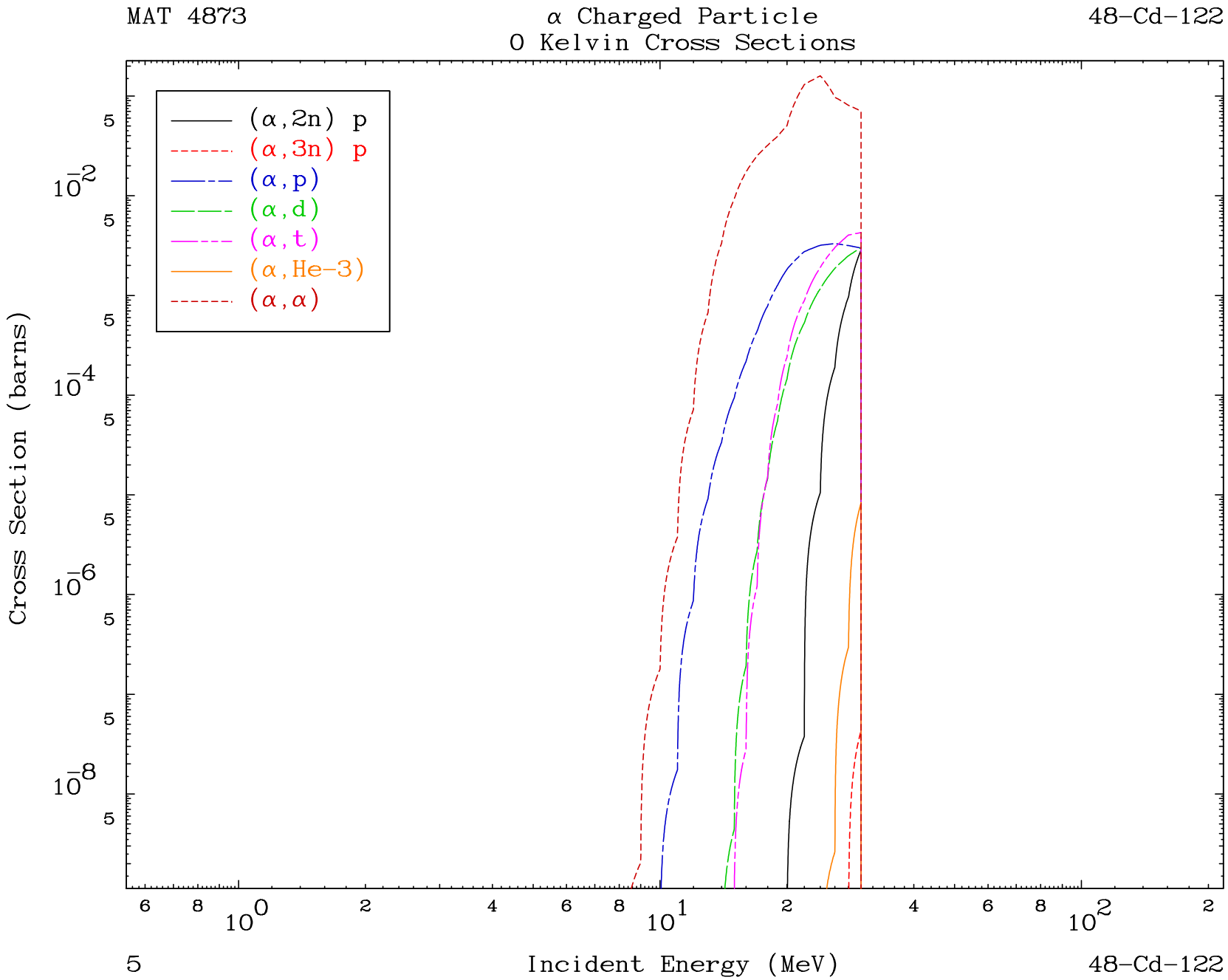
Press Mouse Button to Start

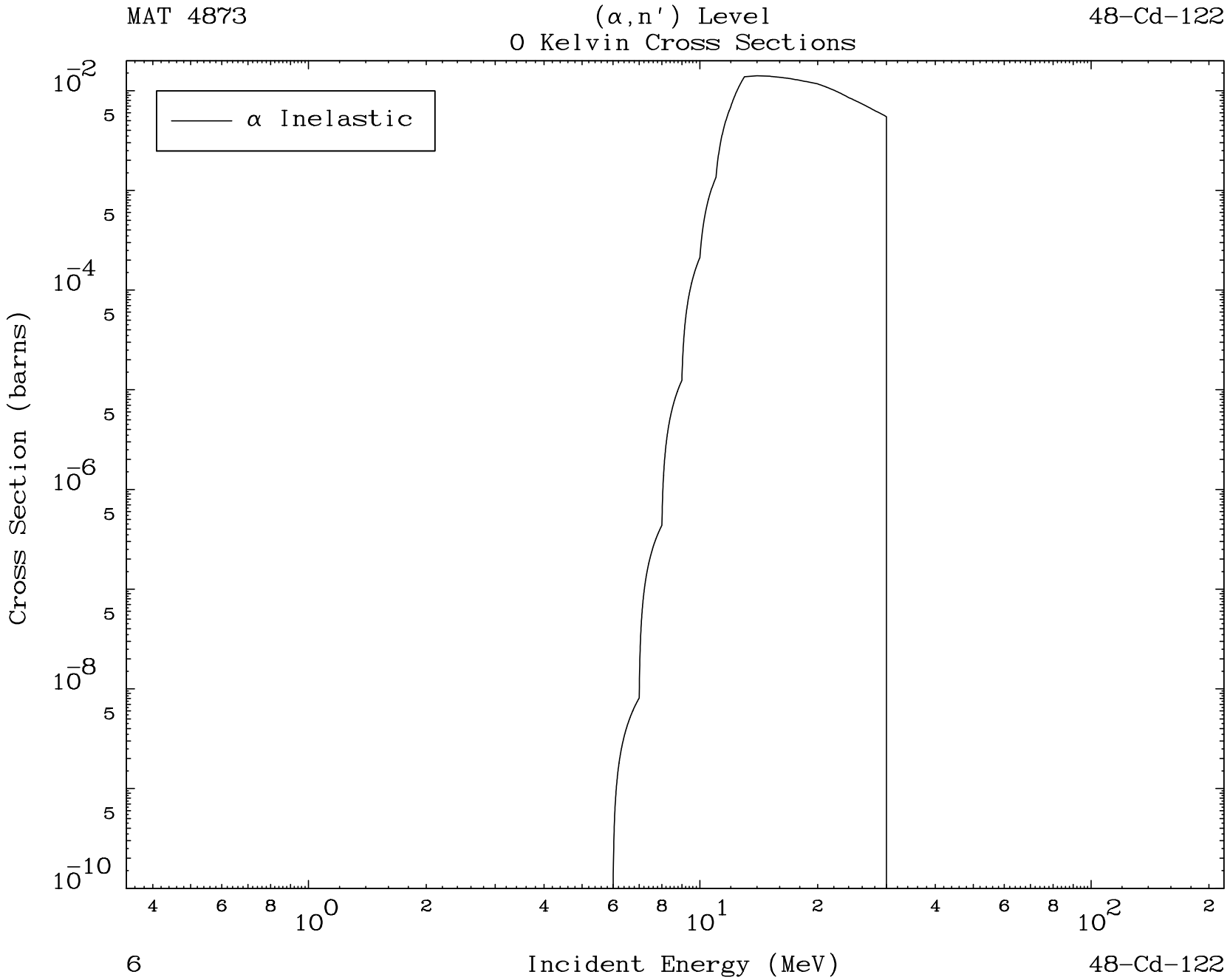

MAT 4873
α Major
48-Cd-122
0 Kelvin Cross Sections
α Elastic
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
48-Cd-122
1

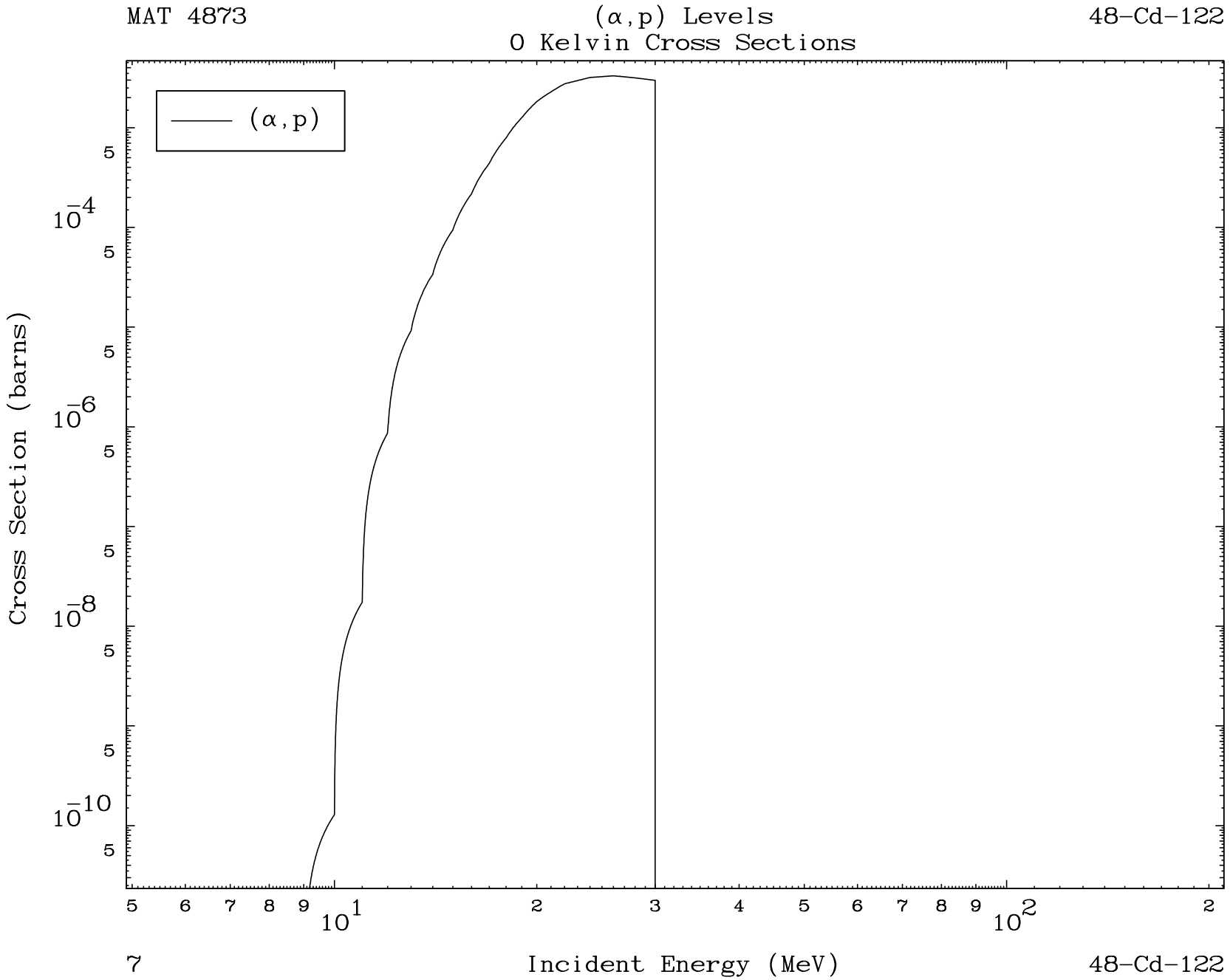

MAT 4873
α Neutron Production
0 Kelvin Cross Sections
48-Cd-122
Cross Section (barns)
Incident Energy (MeV)
48-Cd-122
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p

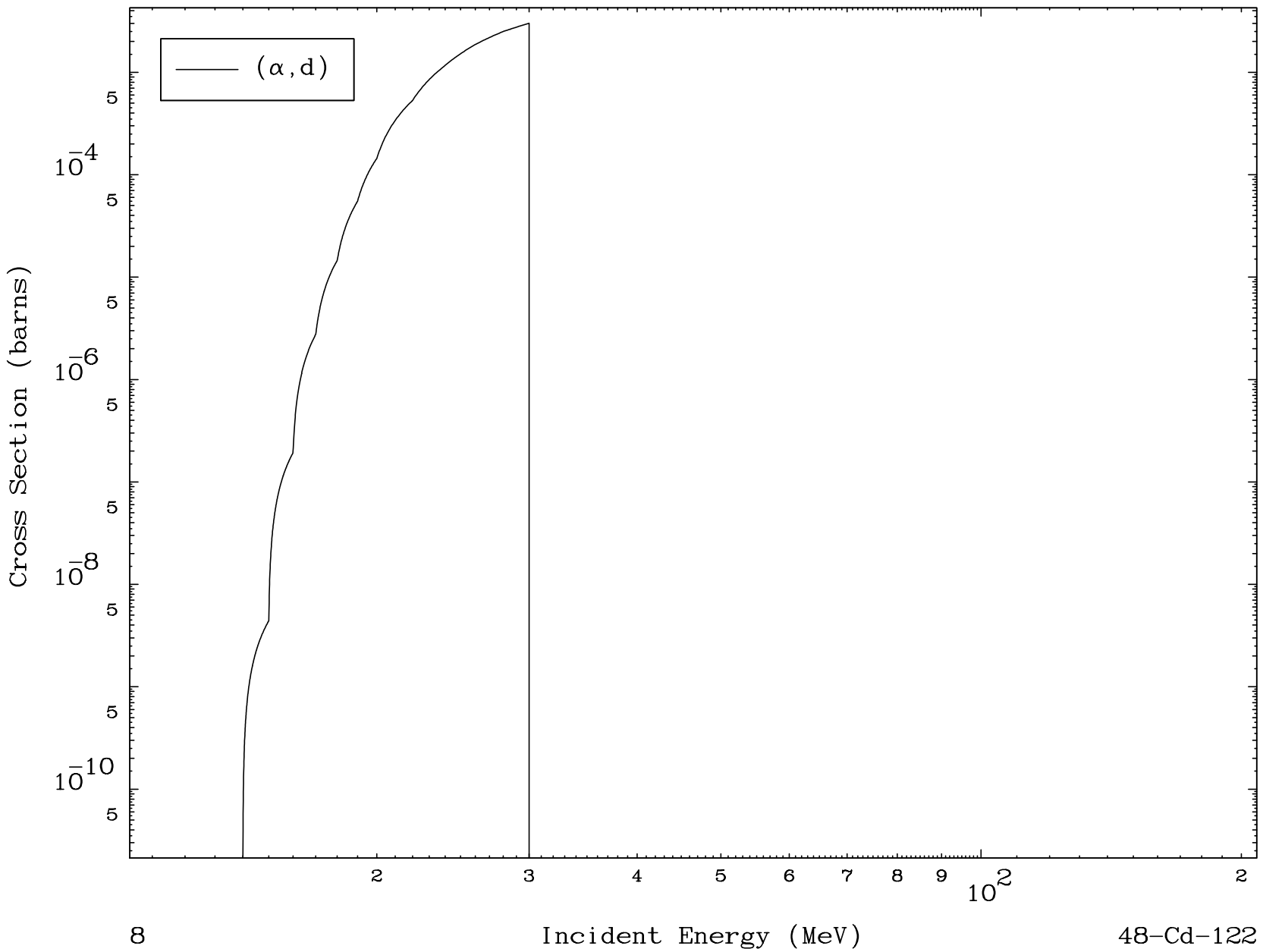

MAT 4873
α Neutron Production
0 Kelvin Cross Sections
48-Cd-122
Cross Section (barns)
Incident Energy (MeV)
(α,n') d
(α,n') t
(α,n') He-3
(α,4n)
(α,2n) p
3
48-Cd-122

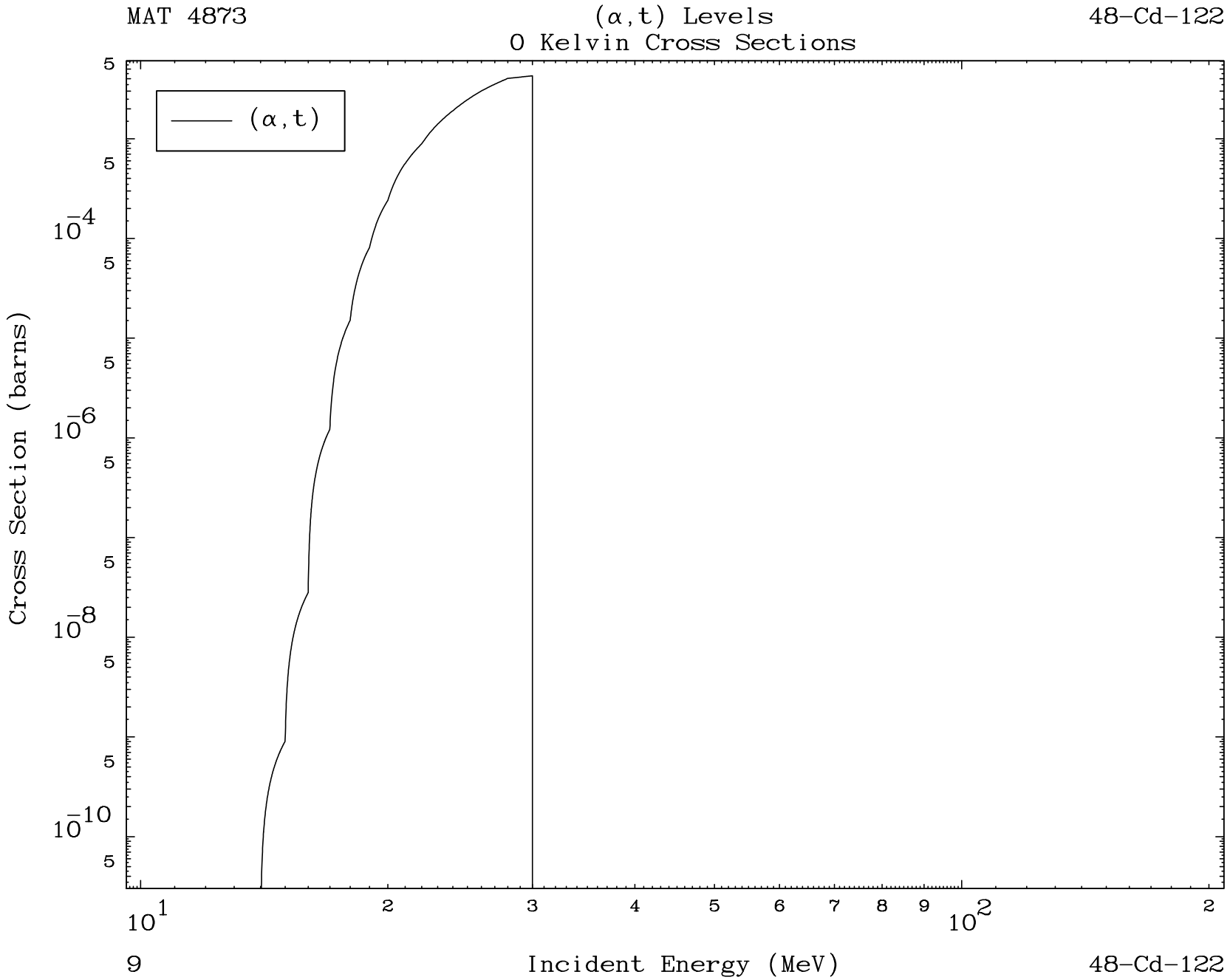

MAT 4873
α Charged Particle
0 Kelvin Cross Sections
48-Cd-122
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
Cross Section (barns)
Incident Energy (MeV)
48-Cd-122
4

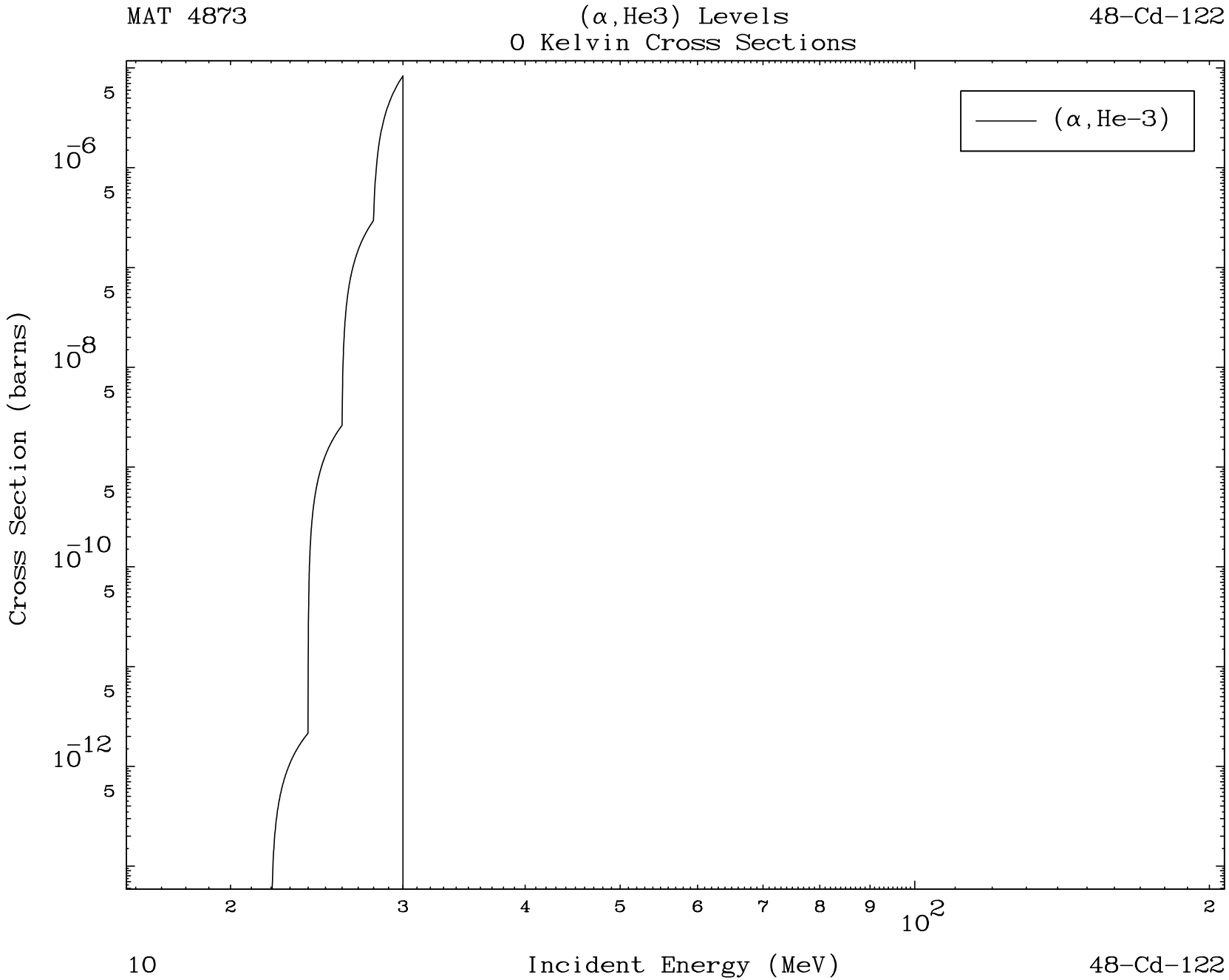

MAT 4873
α Charged Particle
0 Kelvin Cross Sections
48-Cd-122
(α,2n) p
(α,3n) p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
48-Cd-122

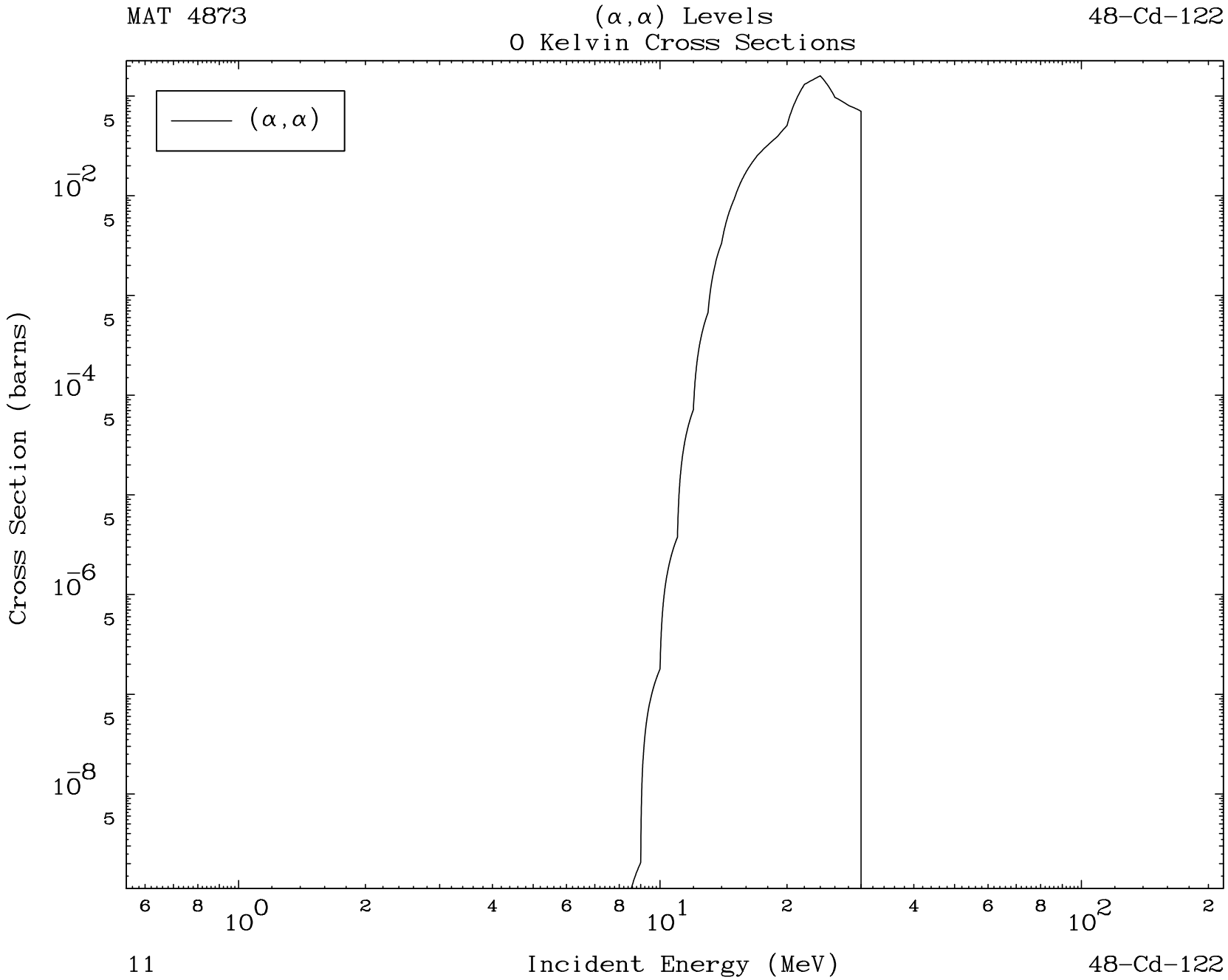

MAT 4873
(α,n') Level
48-Cd-122
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
48-Cd-122

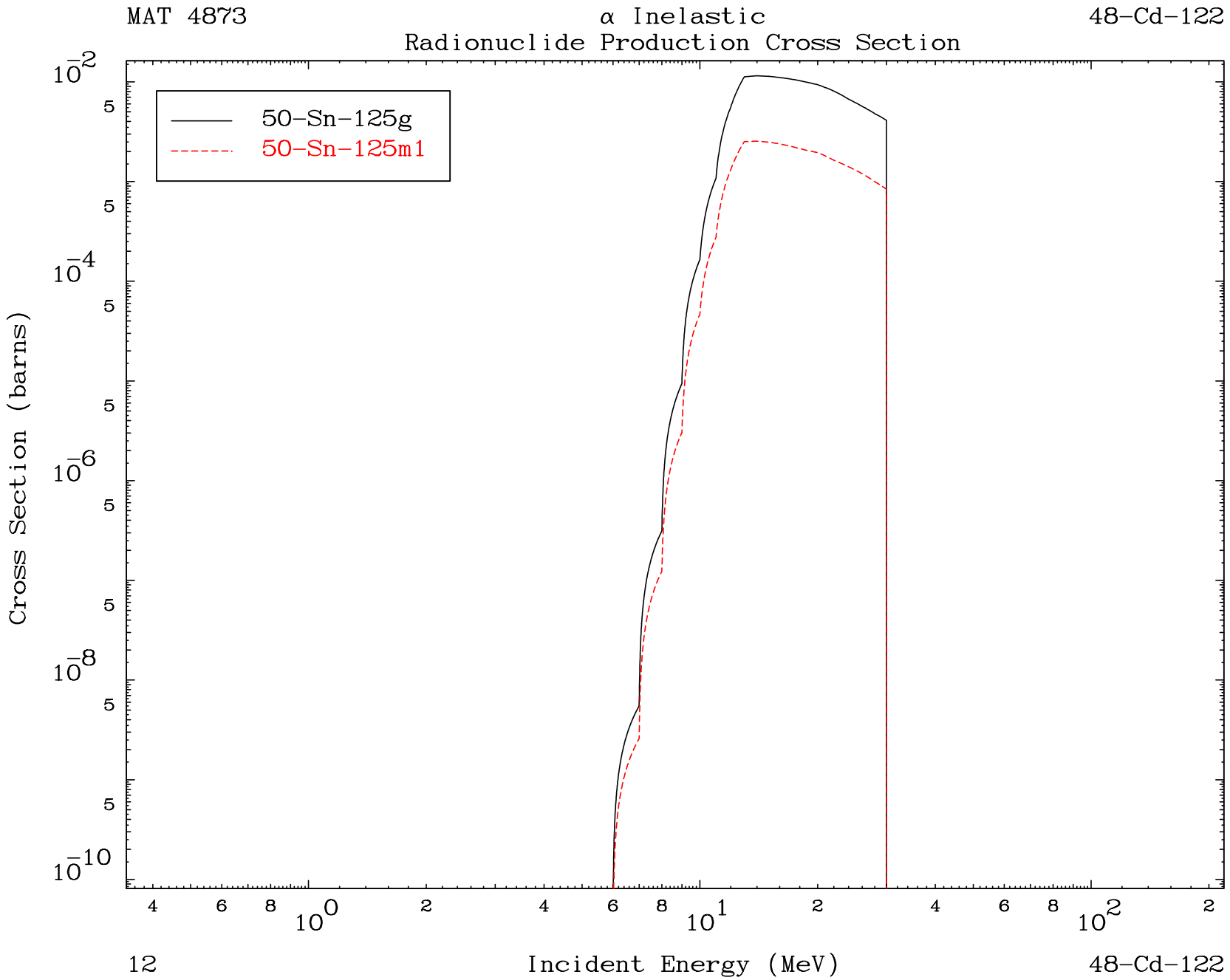

MAT 4873
(α,p) Levels
48-Cd-122
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
7
48-Cd-122

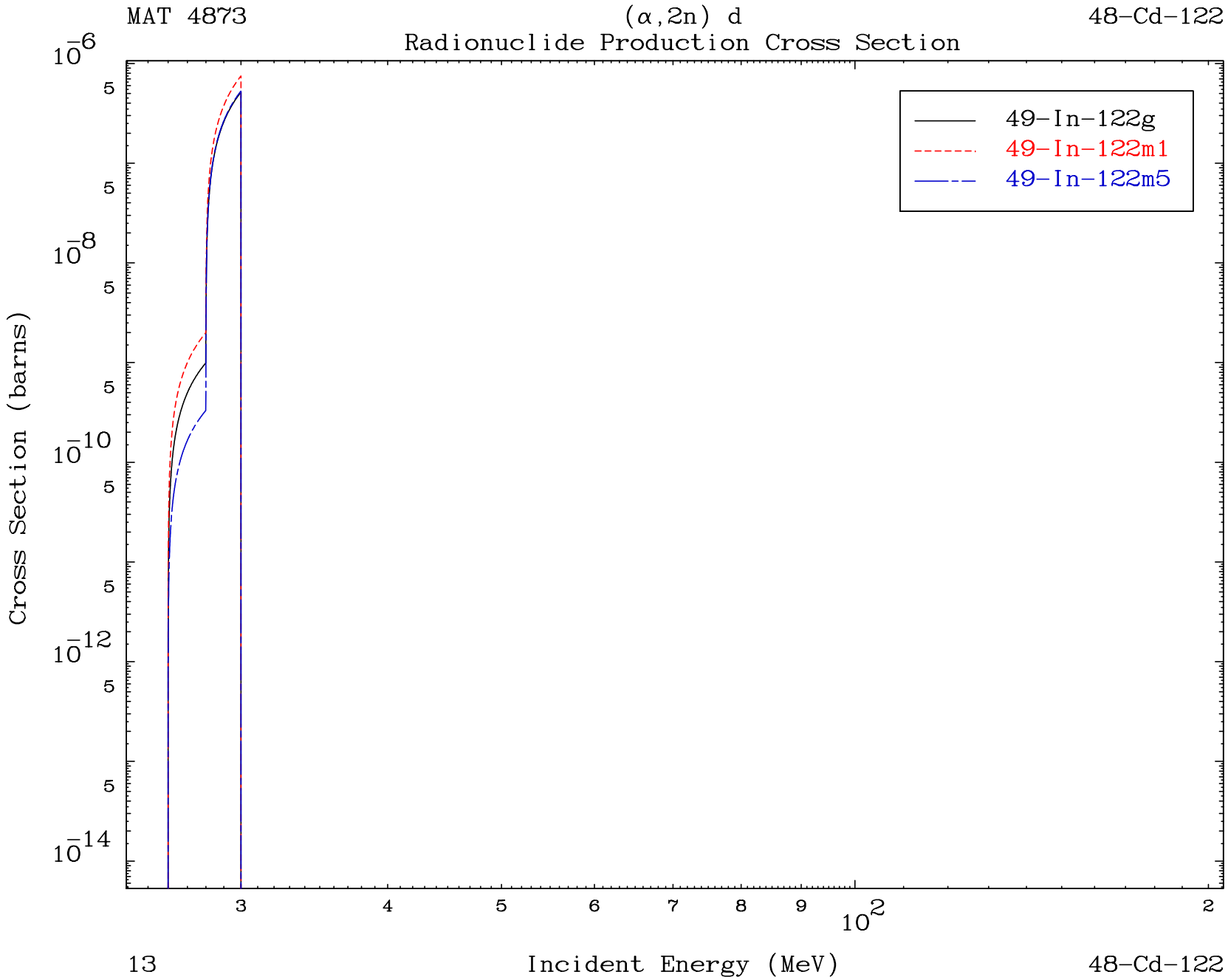

0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

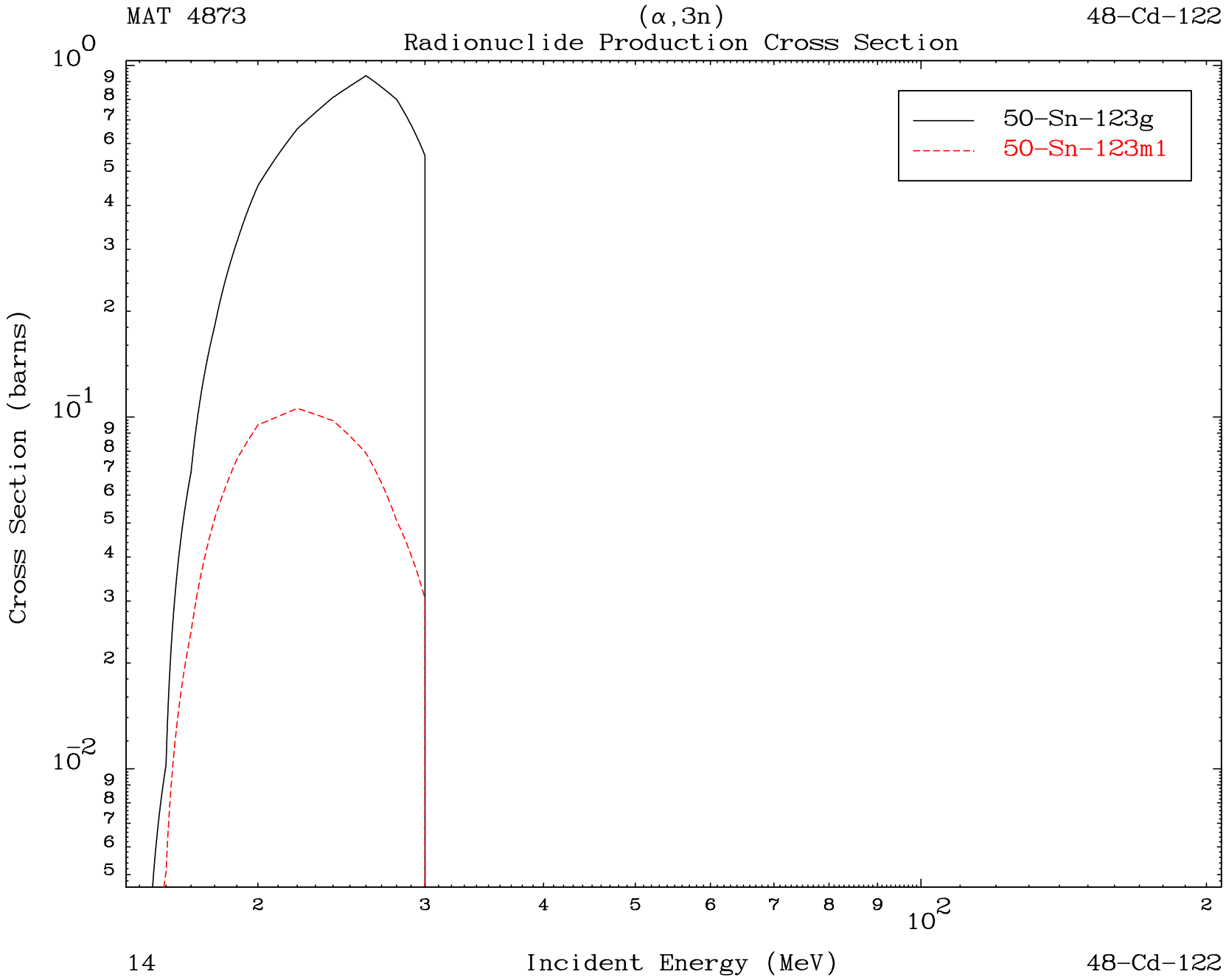

MAT 4873
(α,t) Levels
48-Cd-122
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
101
102
48-Cd-122

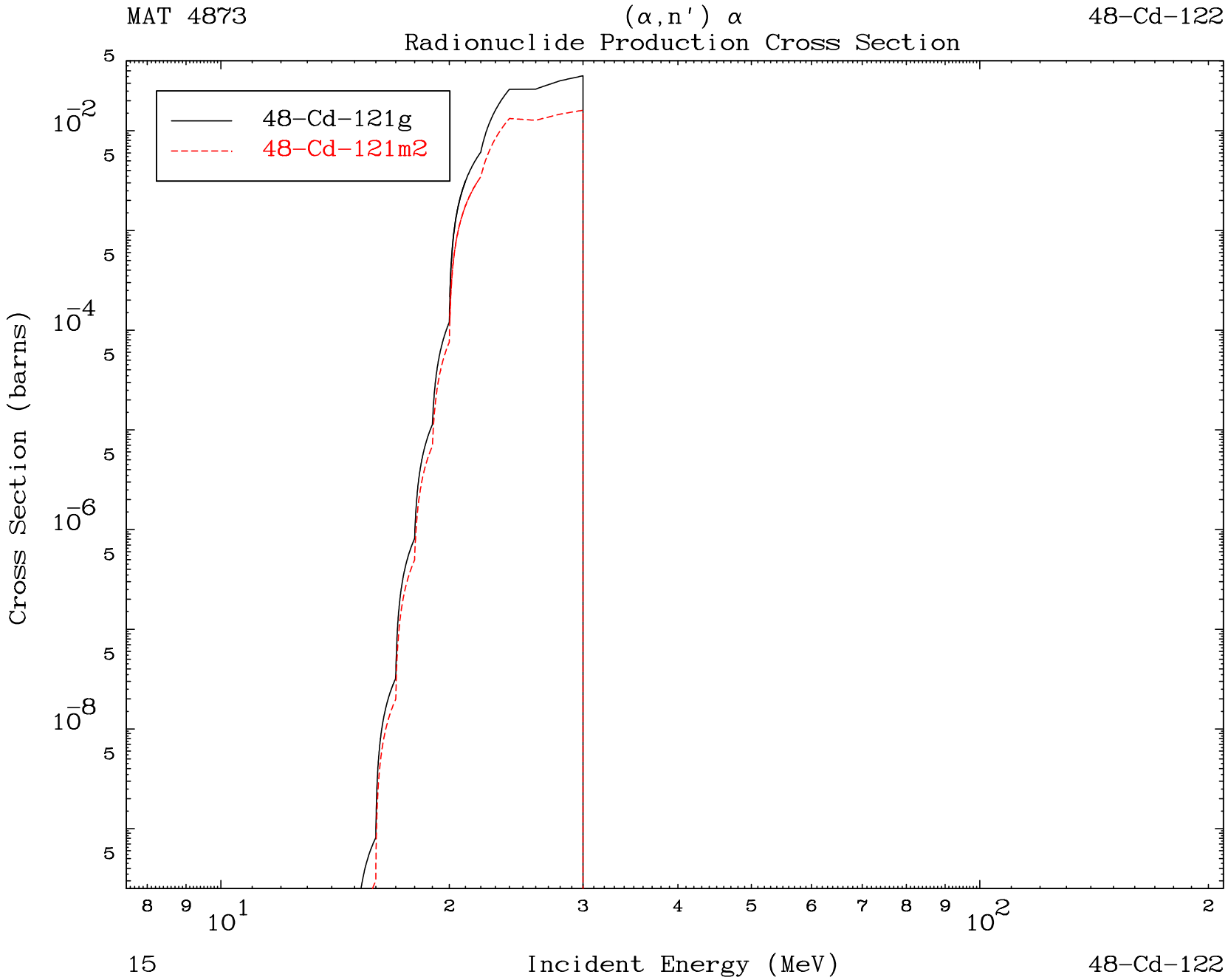

MAT 4873
(α,He3) Levels
48-Cd-122
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
48-Cd-122

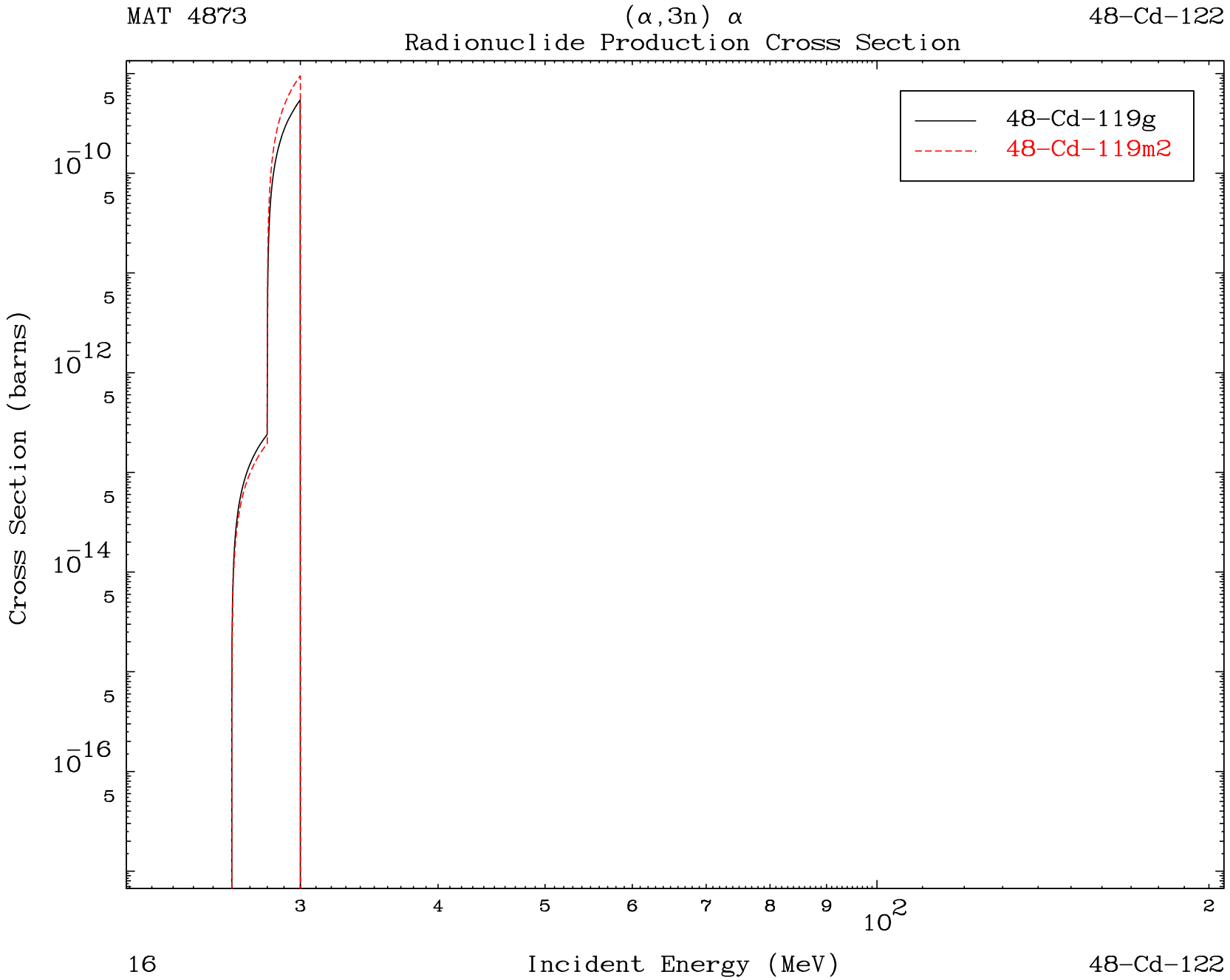

MAT 4873
(α,α) Levels
48-Cd-122
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6 8 100 2 4 6 8 101 2 4 6 8 102 2
Incident Energy (MeV)
11
48-Cd-122

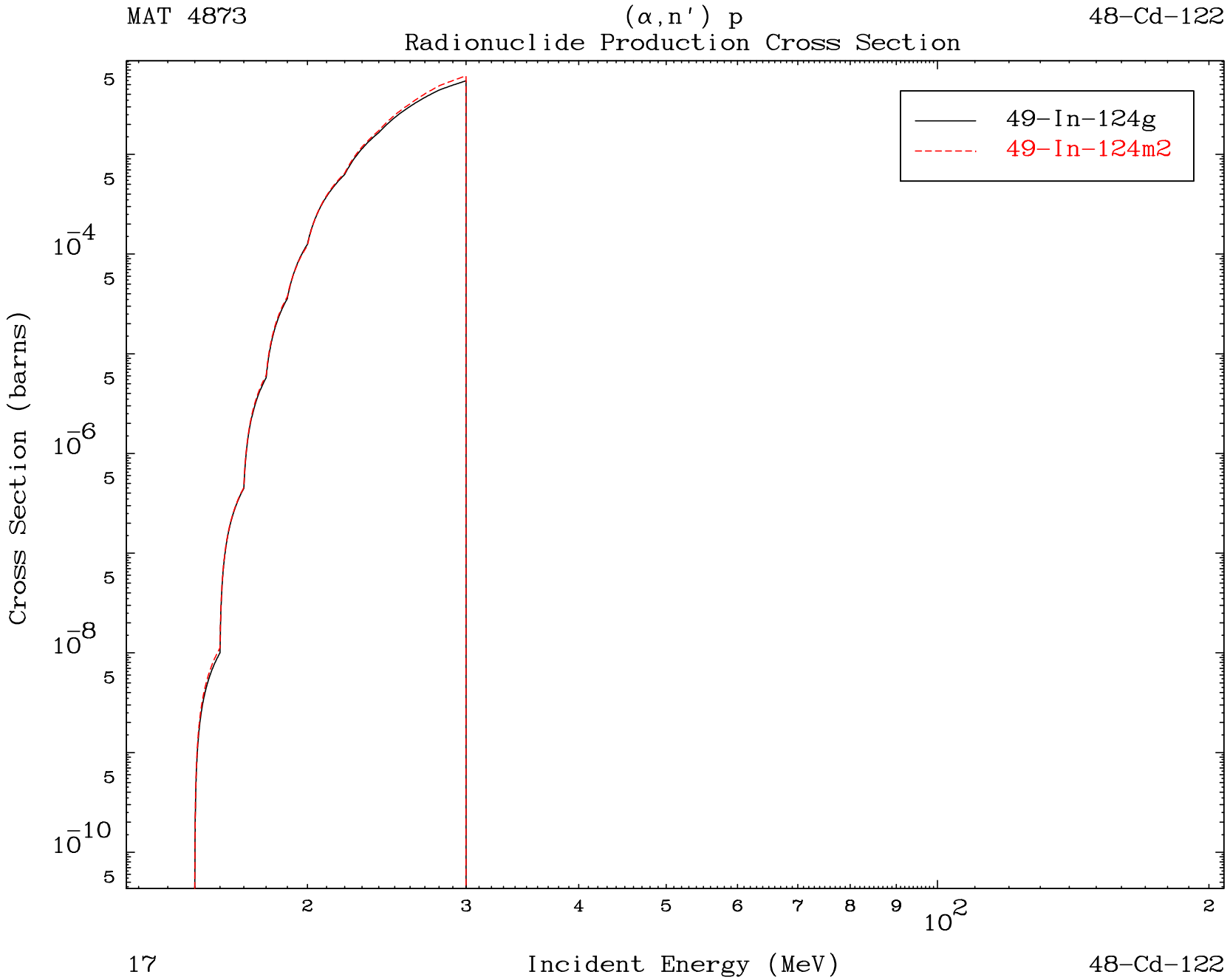

MAT 4873
α Inelastic
48-Cd-122
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
Incident Energy (MeV)
12
48-Cd-122

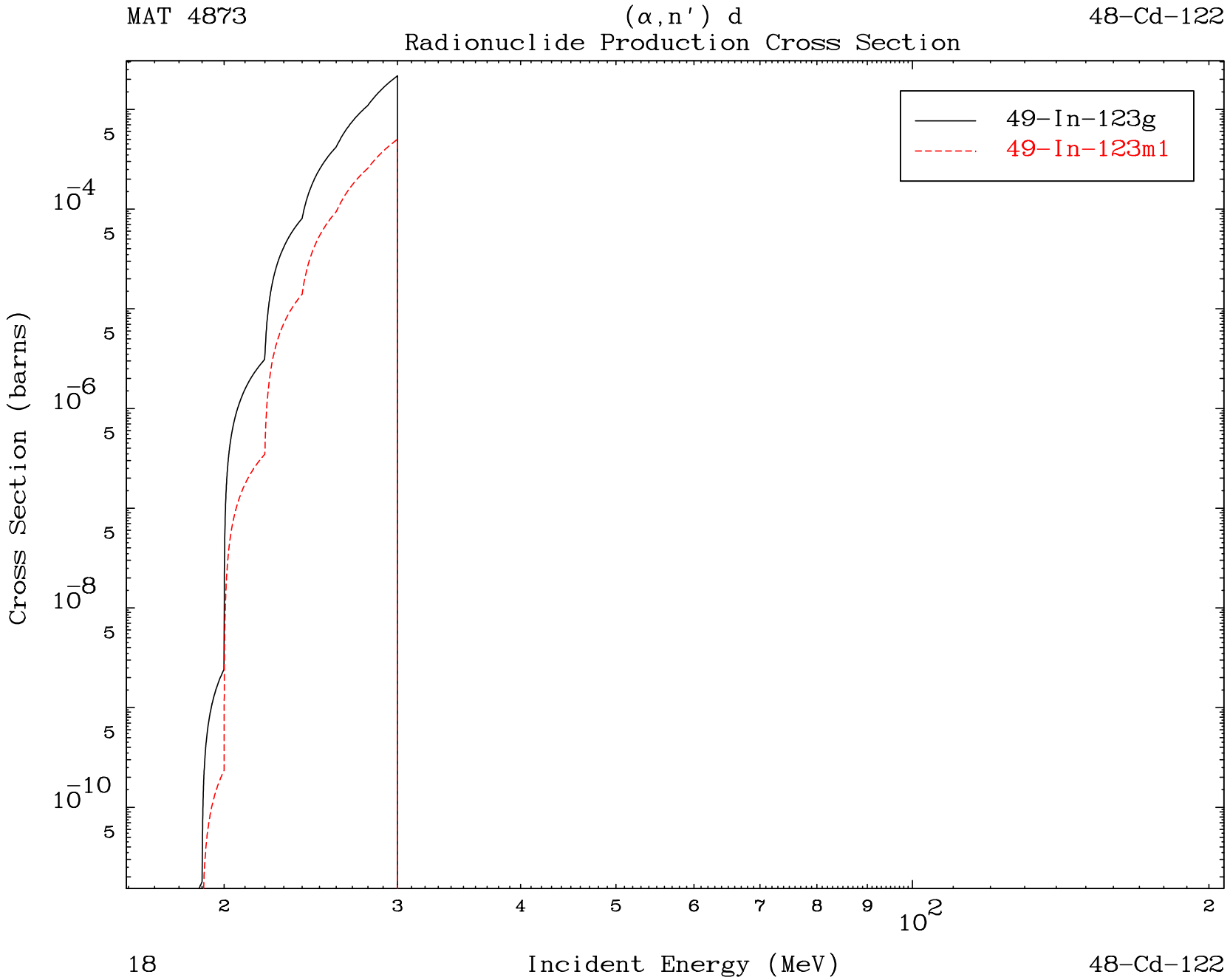

MAT 4873
(α,2n) d
48-Cd-122
Radionuclide Production Cross Section
49-In-122g
49-In-122m1
49-In-122m5
Cross Section (barns)
Incident Energy (MeV)
13
48-Cd-122

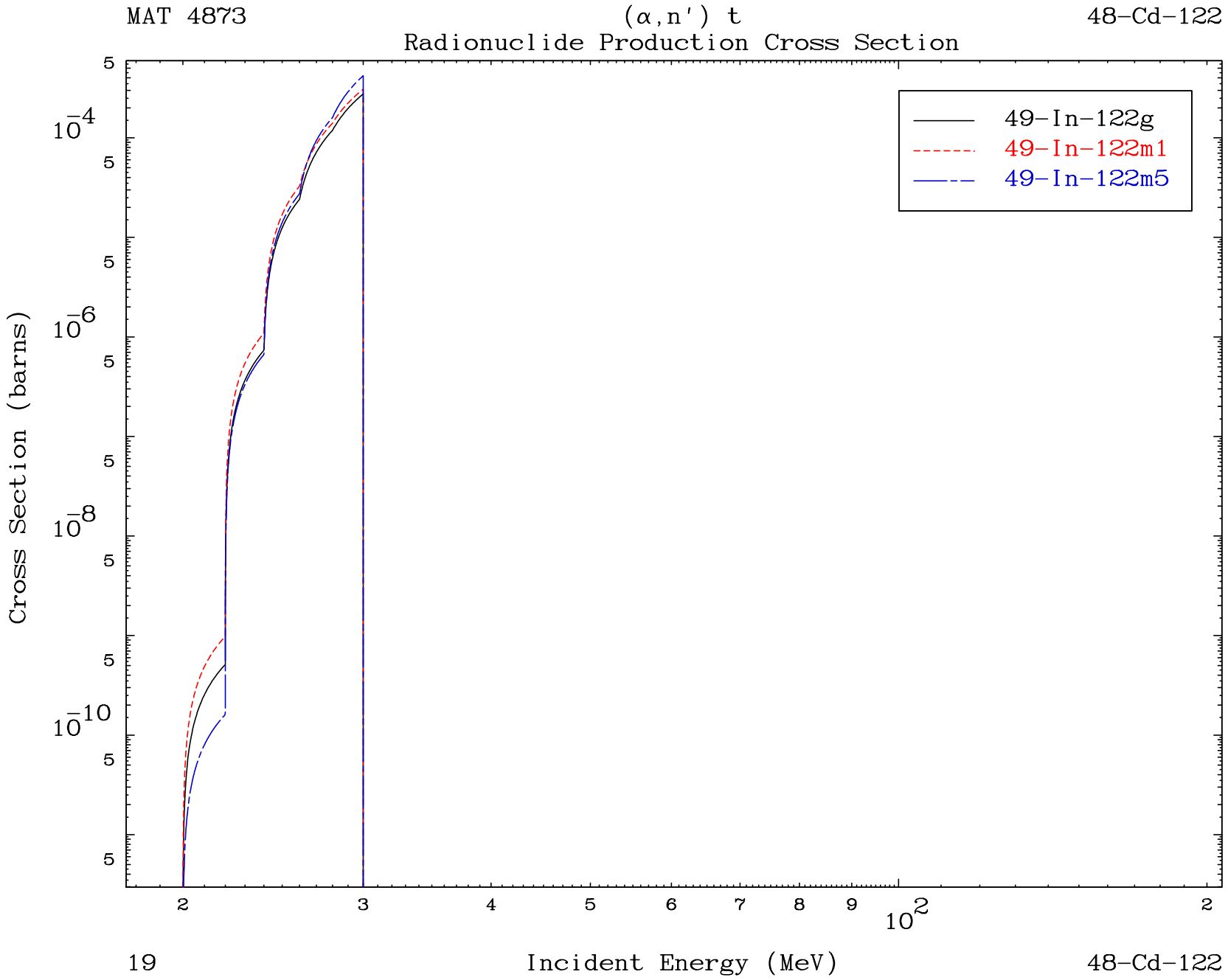

MAT 4873
(α,3n)
48-Cd-122
Radionuclide Production Cross Section
50-Sn-123g
50-Sn-123m1
Cross Section (barns)
Incident Energy (MeV)
14
48-Cd-122

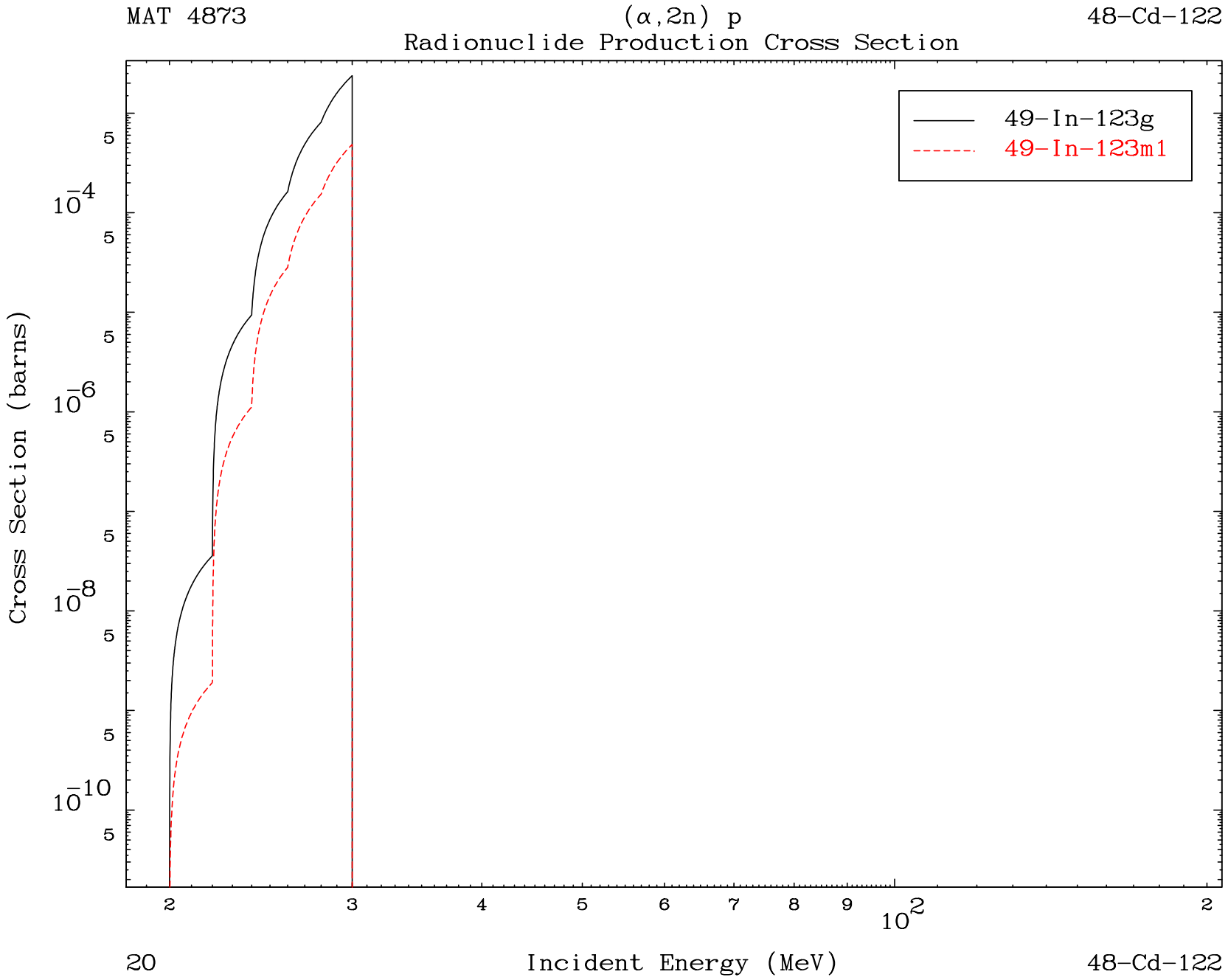

MAT 4873
(α,n') α
48-Cd-122
Radionuclide Production Cross Section
48-Cd-121g
48-Cd-121m2
Cross Section (barns)
Incident Energy (MeV)
15
48-Cd-122

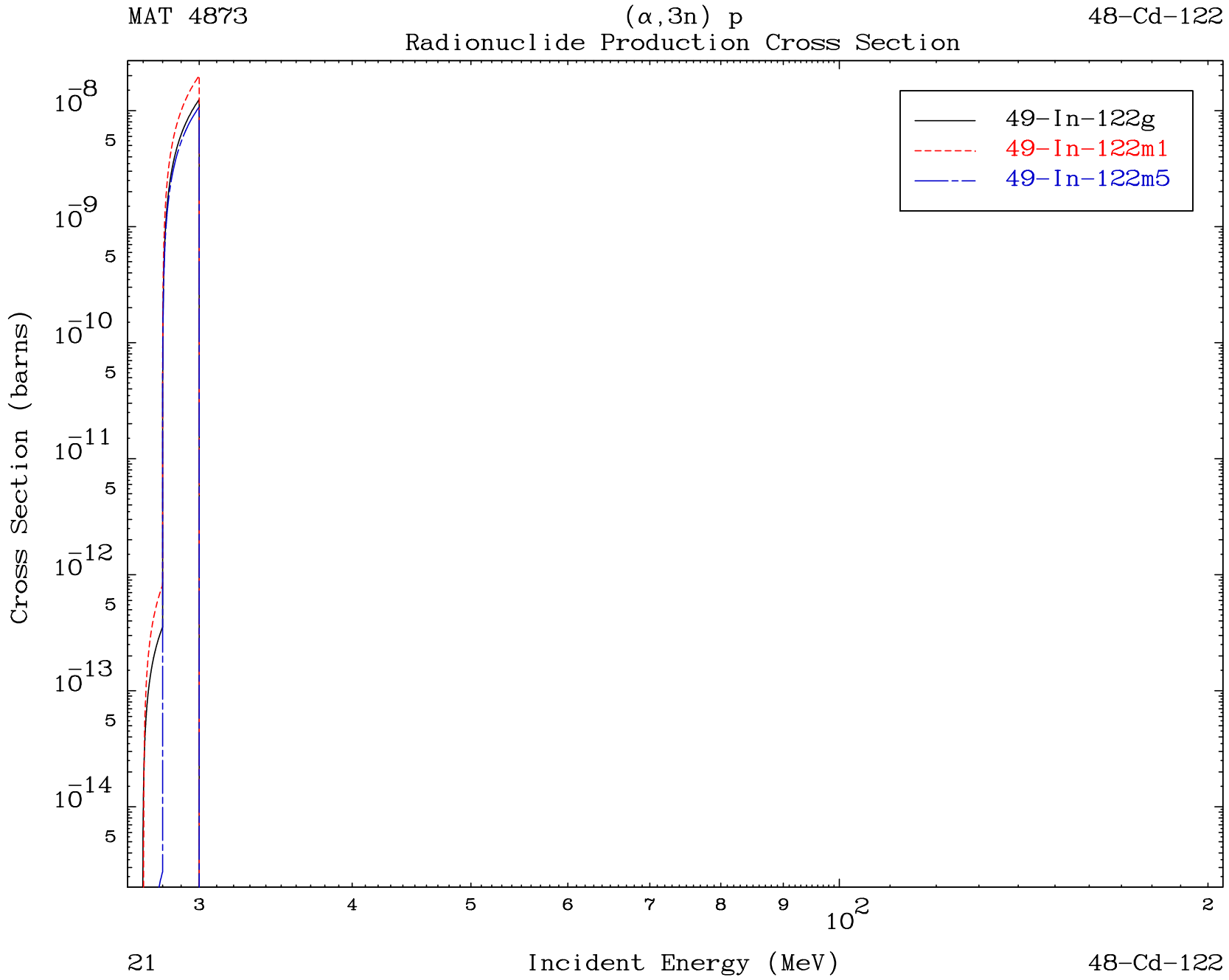

MAT 4873
(α,3n) α
48-Cd-122
Radionuclide Production Cross Section
48-Cd-119g
48-Cd-119m2
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
48-Cd-122

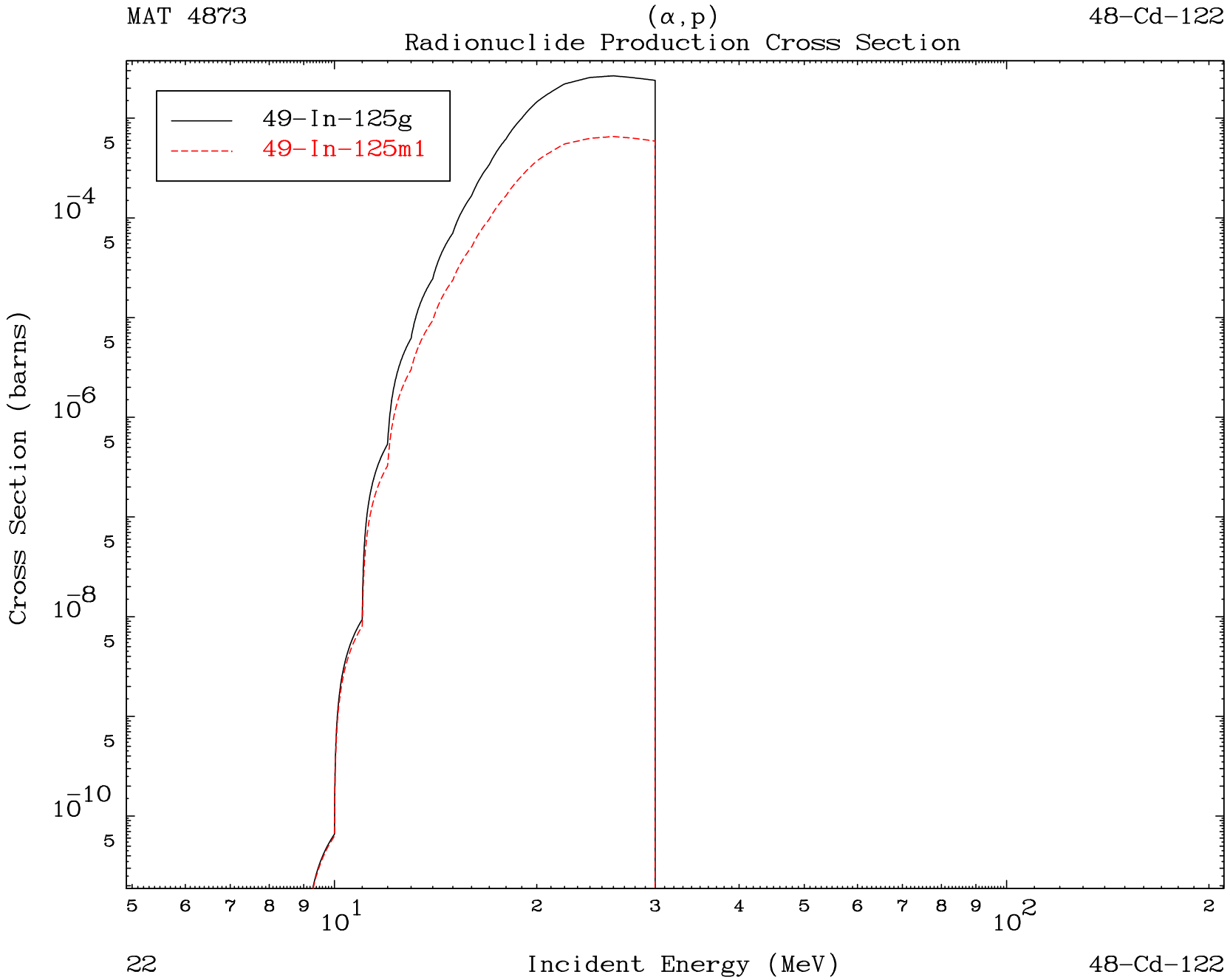

MAT 4873
(α,n') p
48-Cd-122
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
17
48-Cd-122

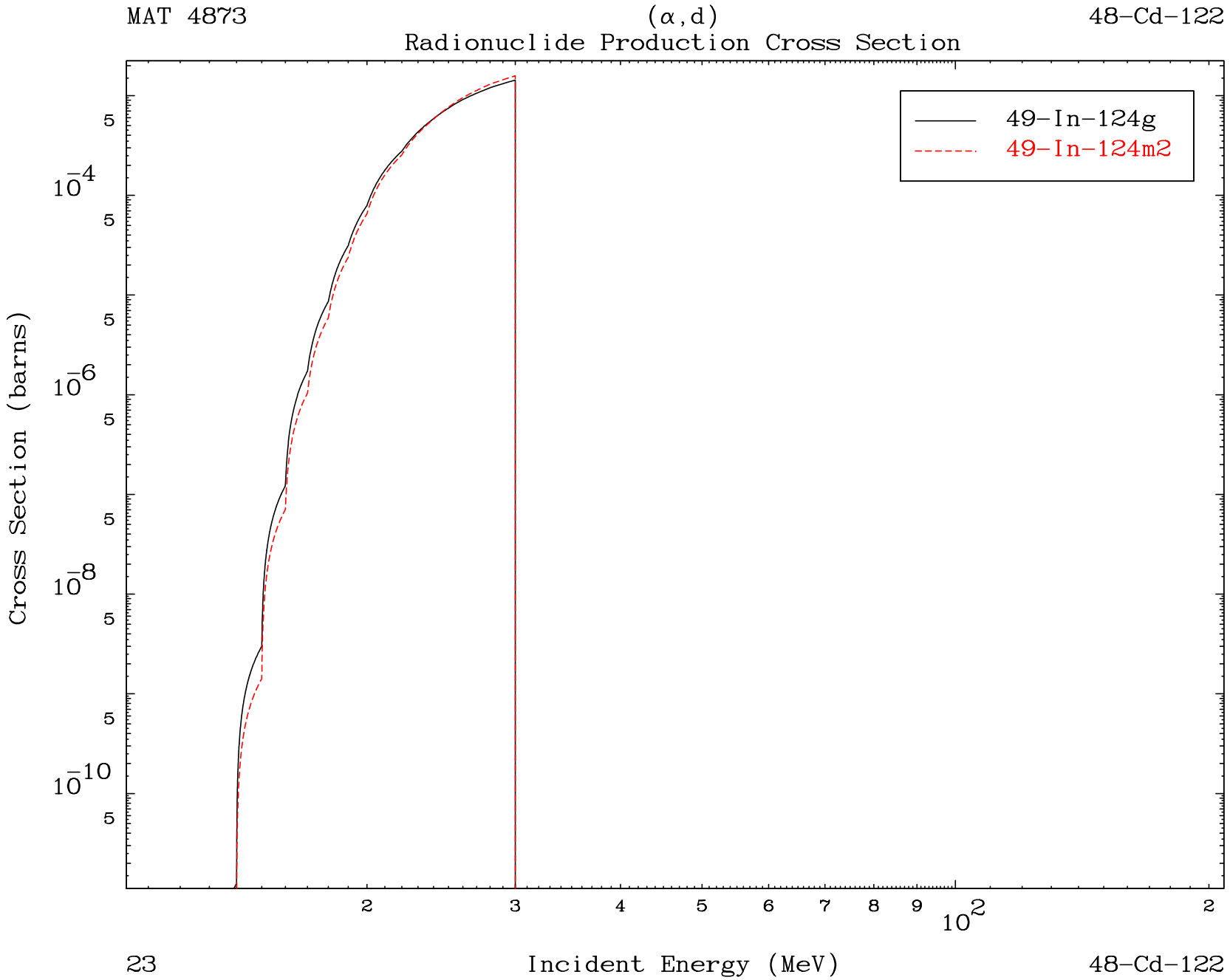

MAT 4873
(α,n') d
48-Cd-122
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
18
Incident Energy (MeV)
48-Cd-122

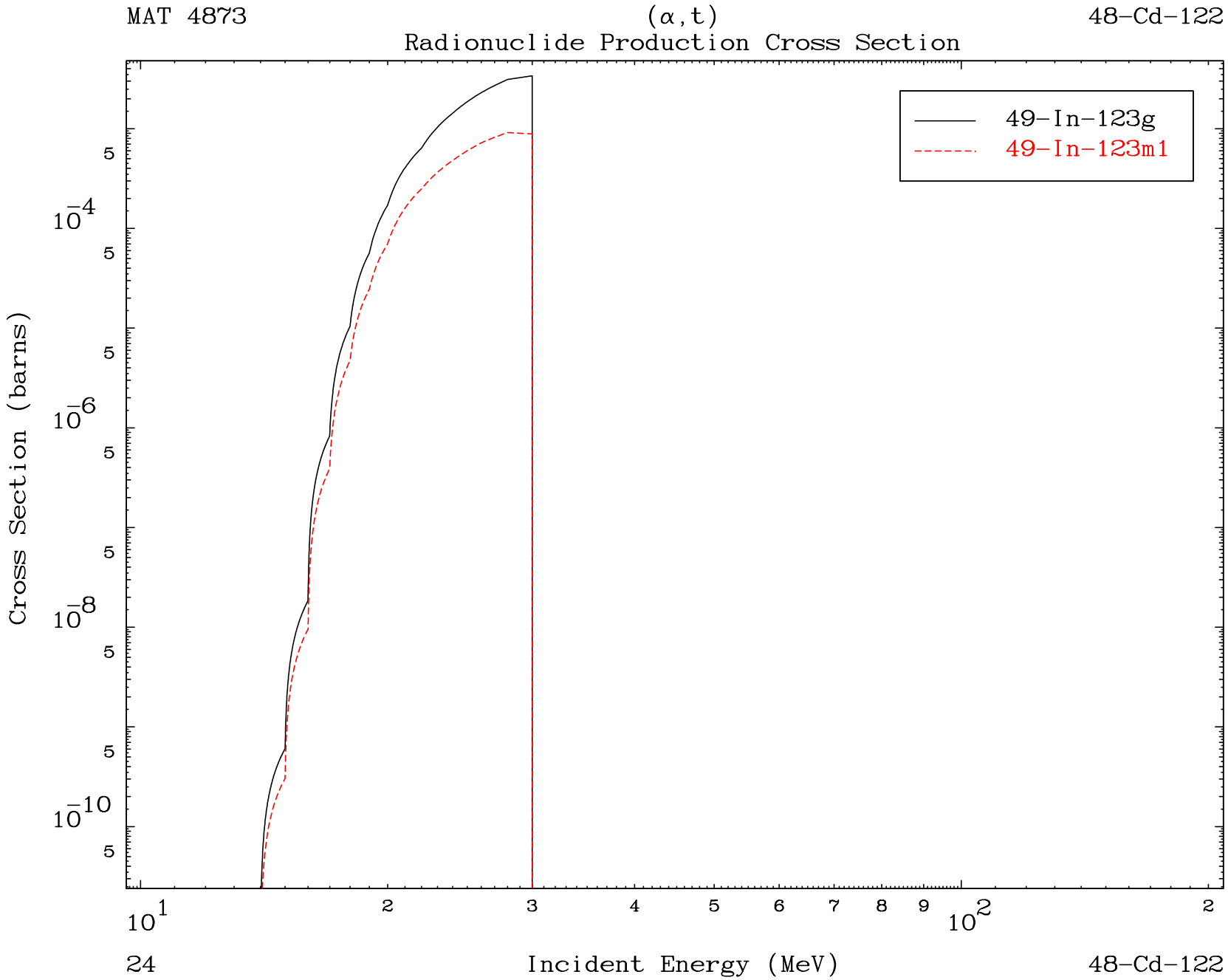

MAT 4873
(α,n') t
48-Cd-122
Radionuclide Production Cross Section
49-In-122g
49-In-122m1
49-In-122m5
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
Incident Energy (MeV)
19
48-Cd-122

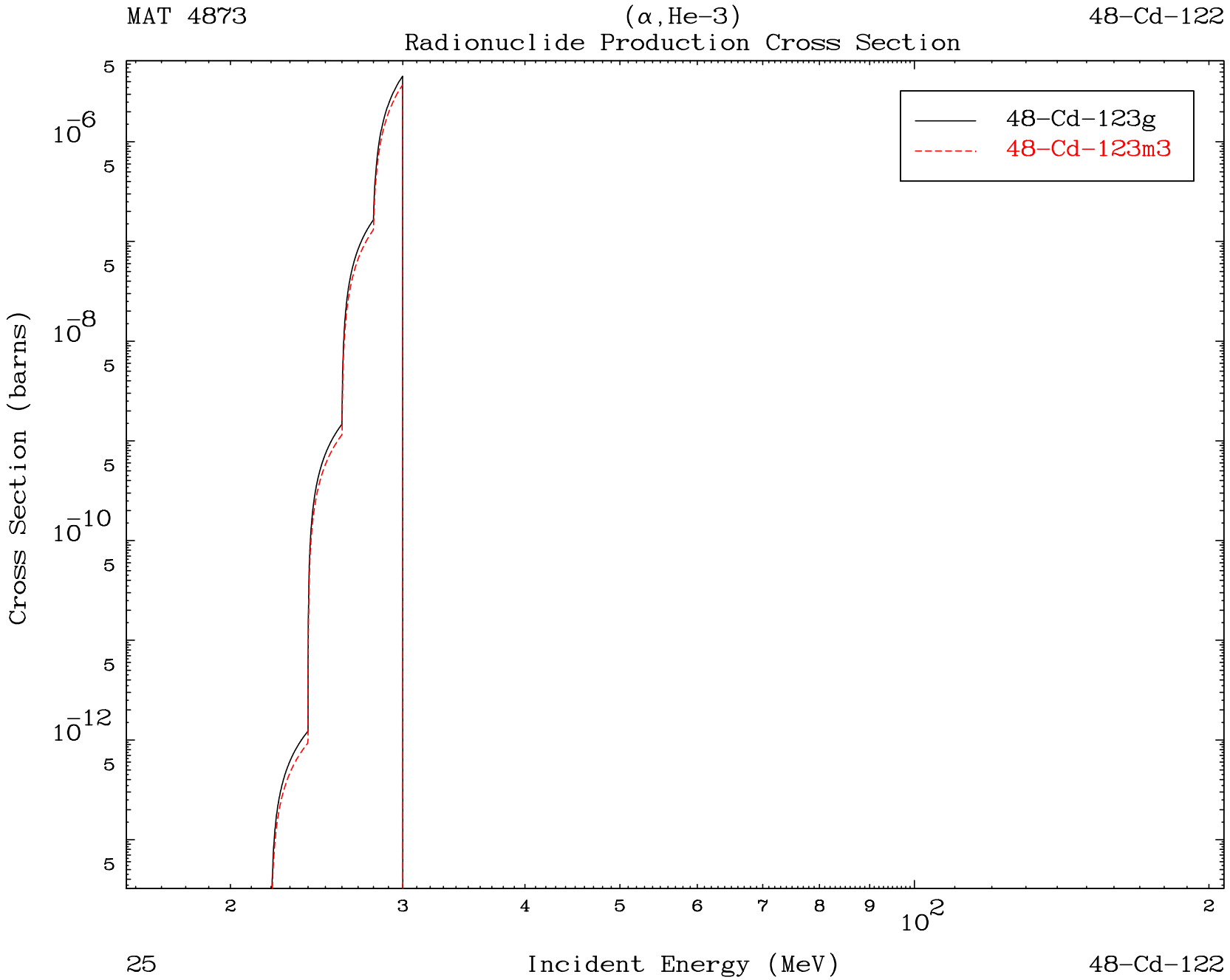

MAT 4873
(α,2n) p
48-Cd-122
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
48-Cd-122


MAT 4873
(α,3n) p
48-Cd-122
Radionuclide Production Cross Section
49-In-122g
49-In-122m1
49-In-122m5
Cross Section (barns)
Incident Energy (MeV)
21
48-Cd-122


MAT 4873
(α,p)
48-Cd-122
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
6
7
8
9
101
2
3
4
5
6
7
8
9
102
2
22
Incident Energy (MeV)
48-Cd-122


MAT 4873
(α,d)
48-Cd-122
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
23
Incident Energy (MeV)
48-Cd-122


MAT 4873
(α,t)
48-Cd-122
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
24
Incident Energy (MeV)
48-Cd-122


MAT 4873
(α,He-3)
48-Cd-122
Radionuclide Production Cross Section
48-Cd-123g
48-Cd-123m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
25
Incident Energy (MeV)
48-Cd-122