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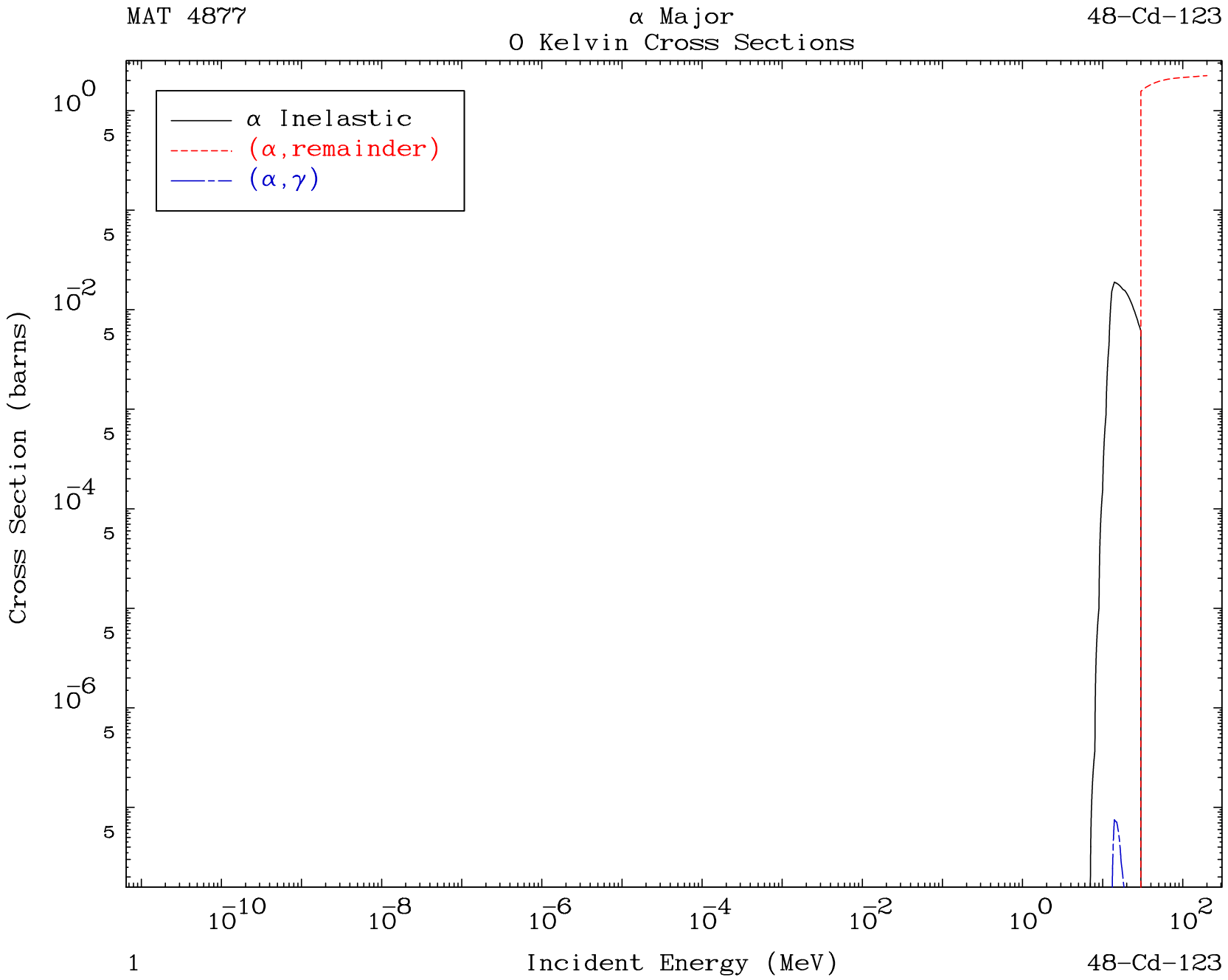
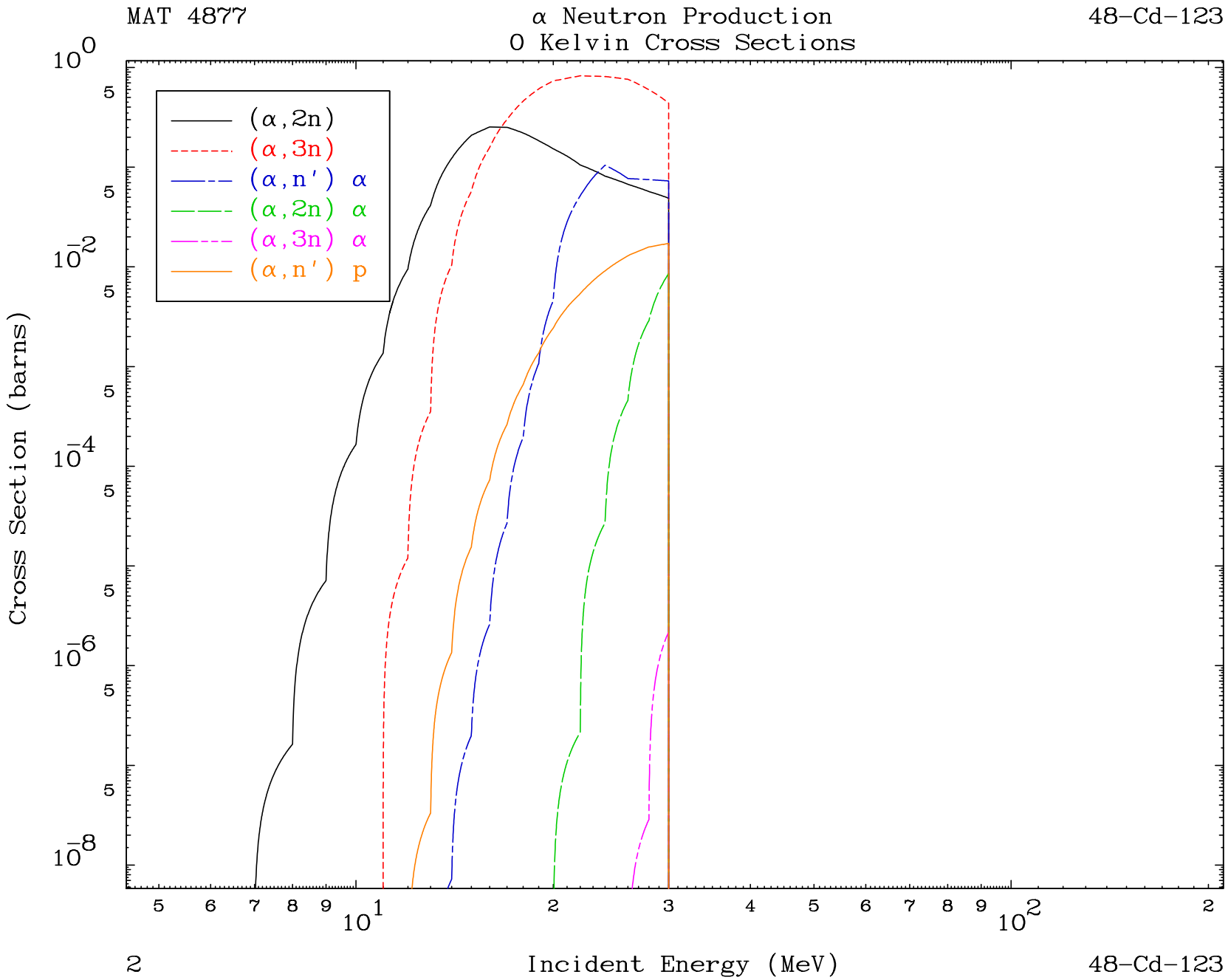
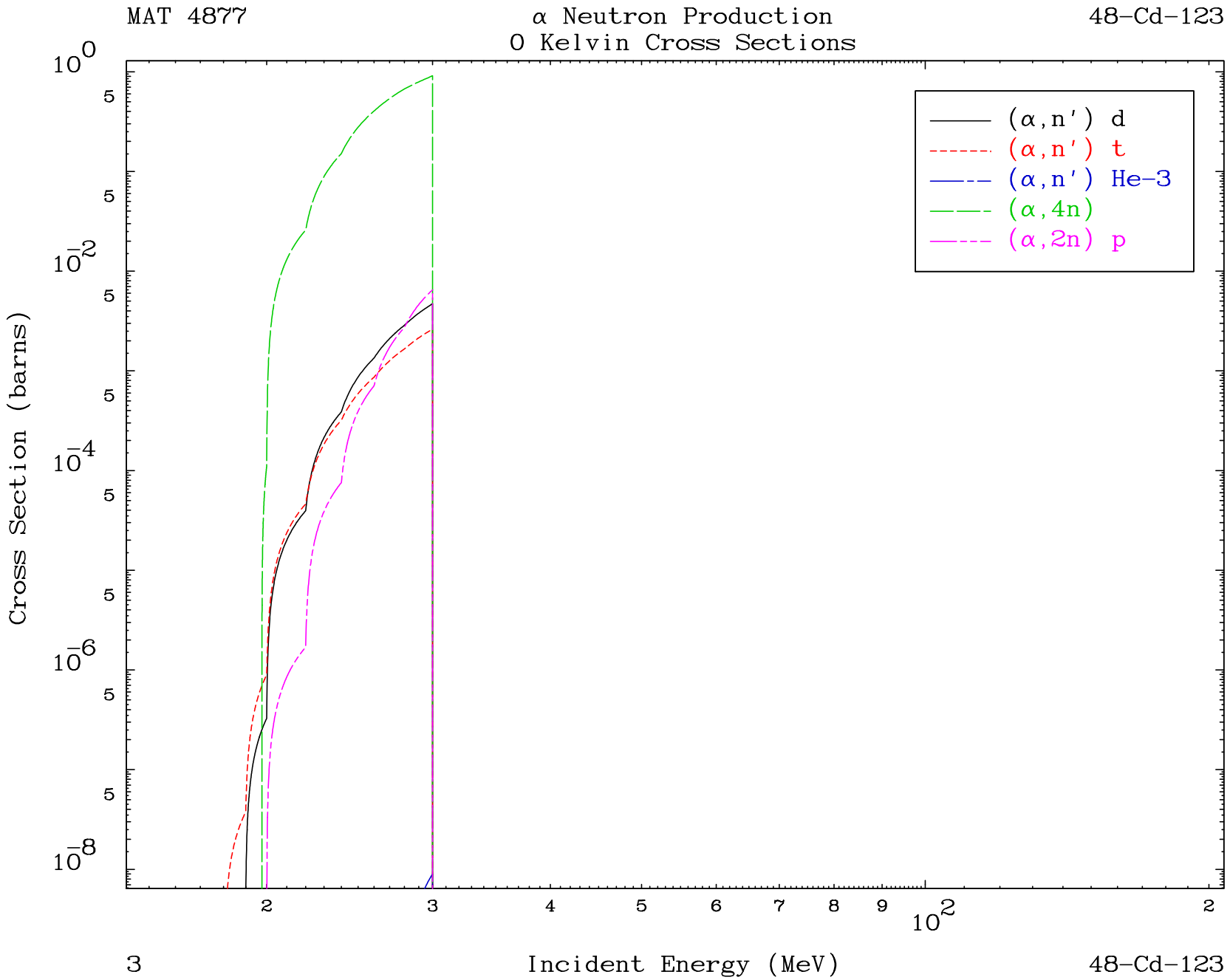
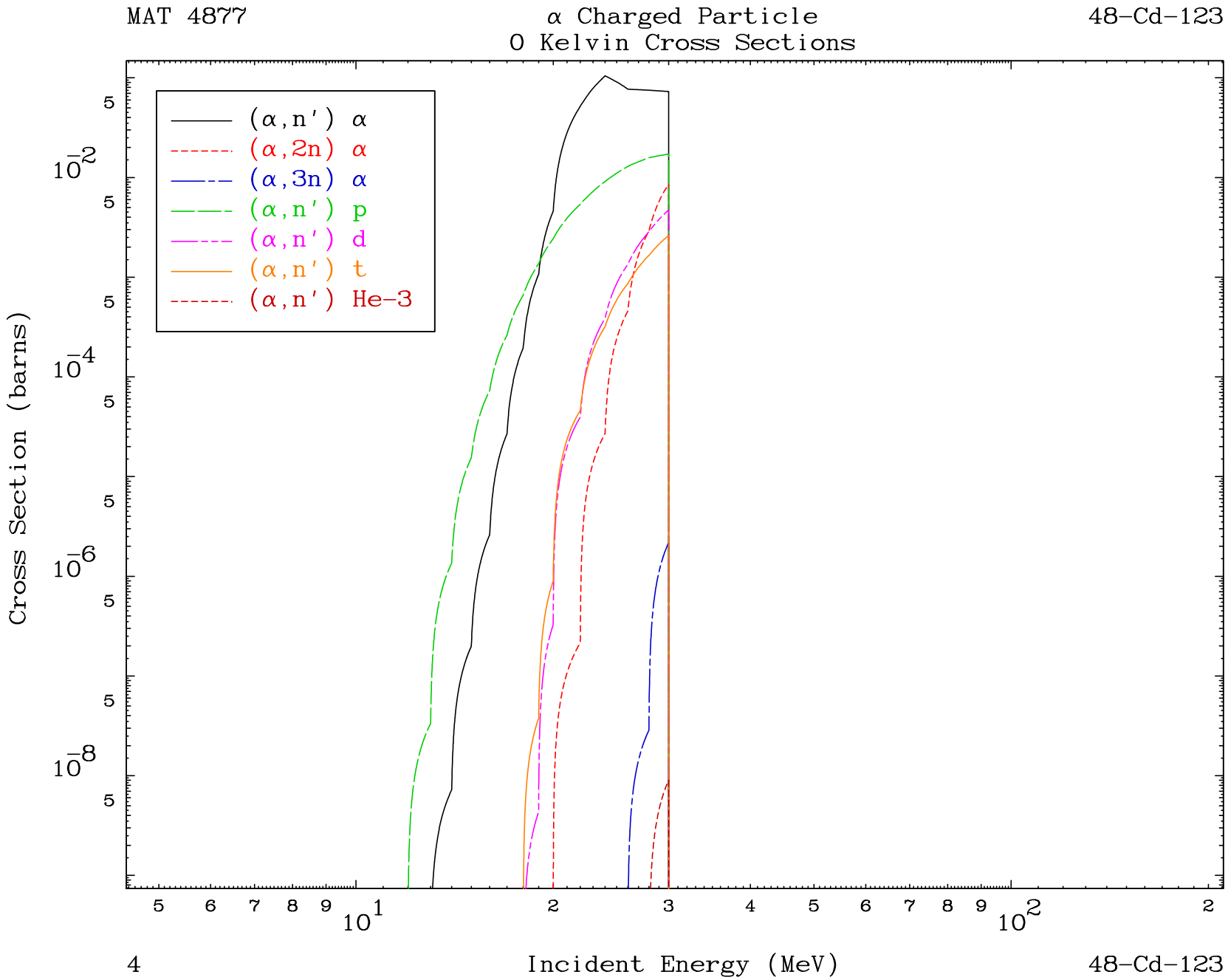
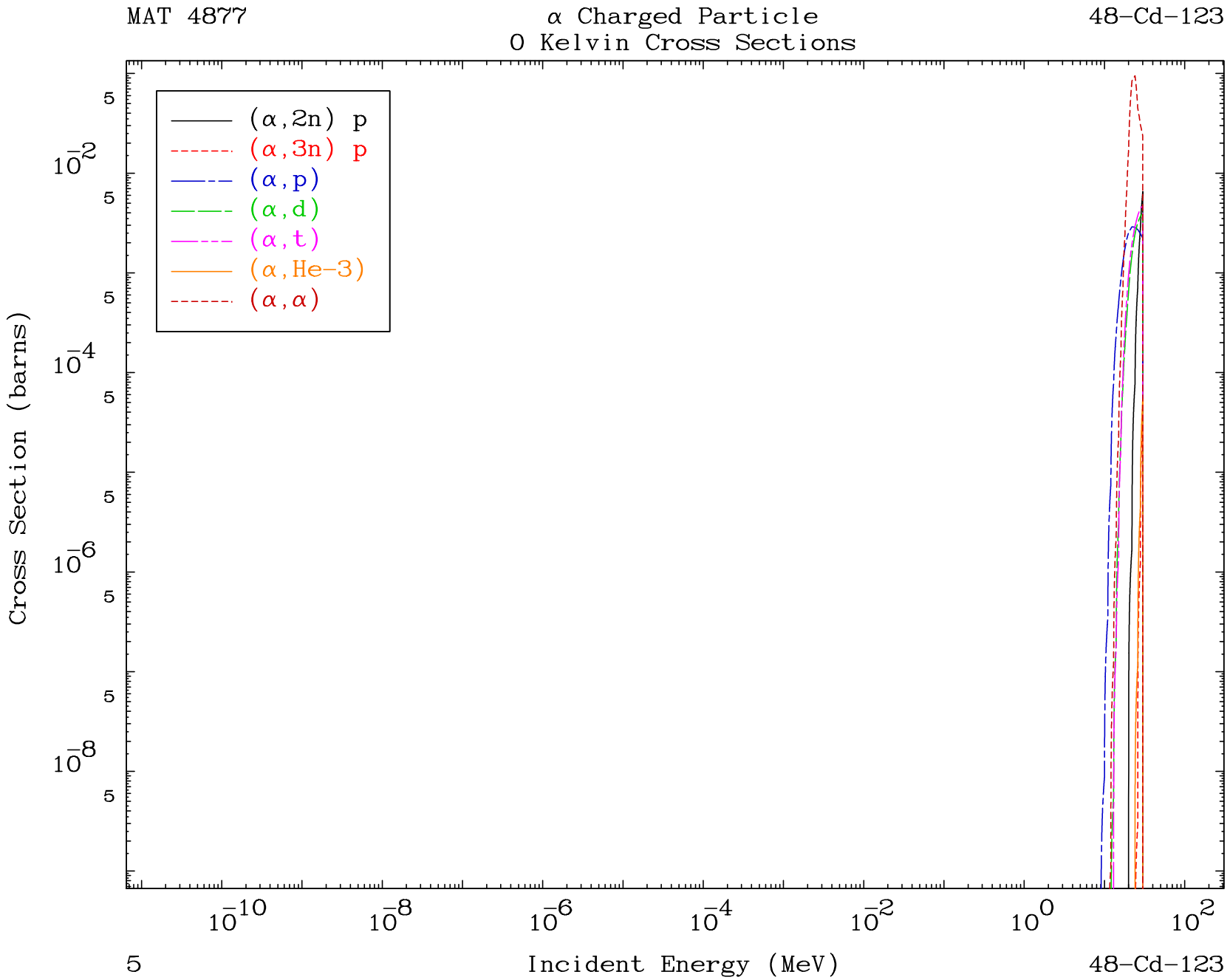
Press Mouse Button to Start

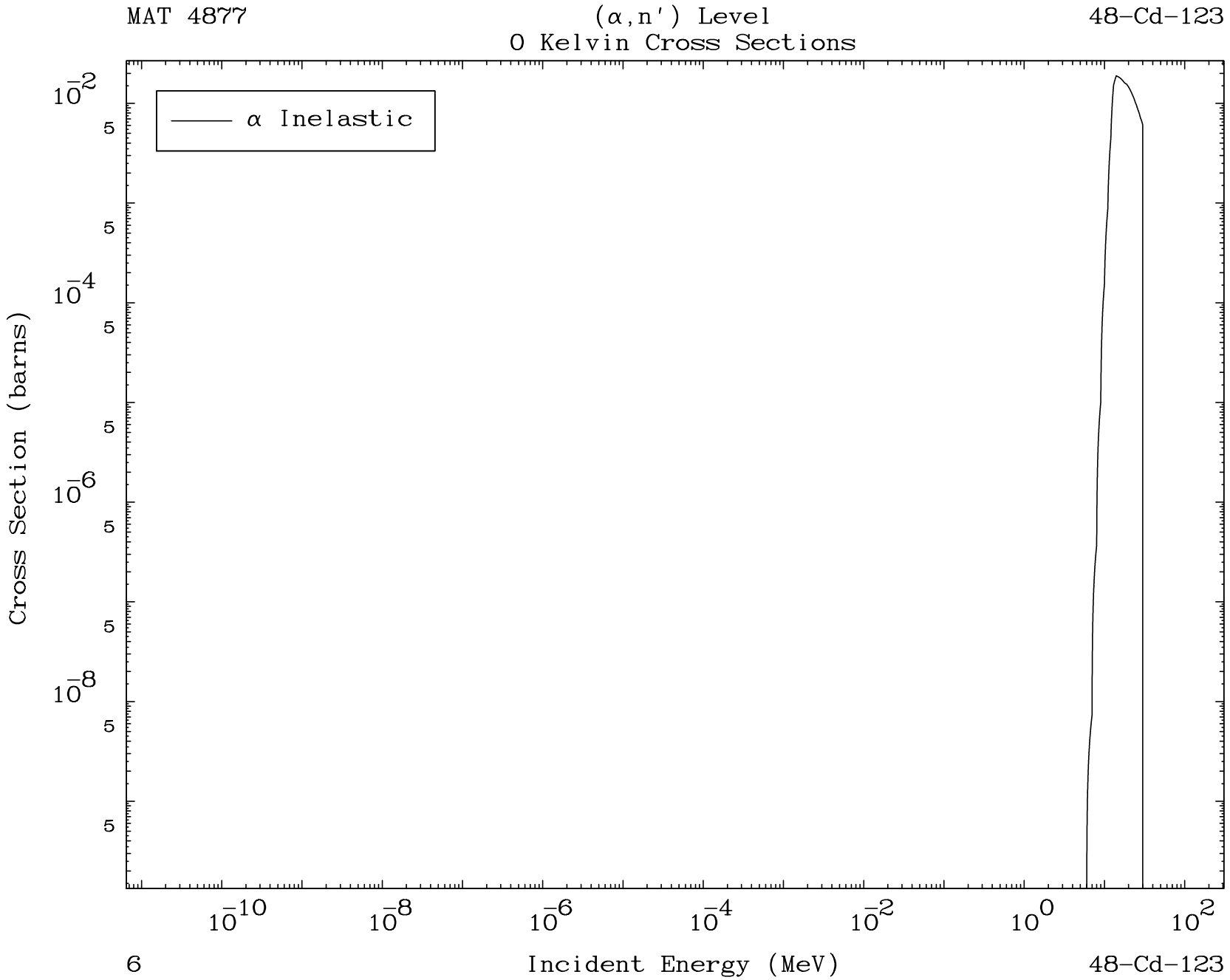

MAT 4877
α Major
48-Cd-123
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
48-Cd-123
1

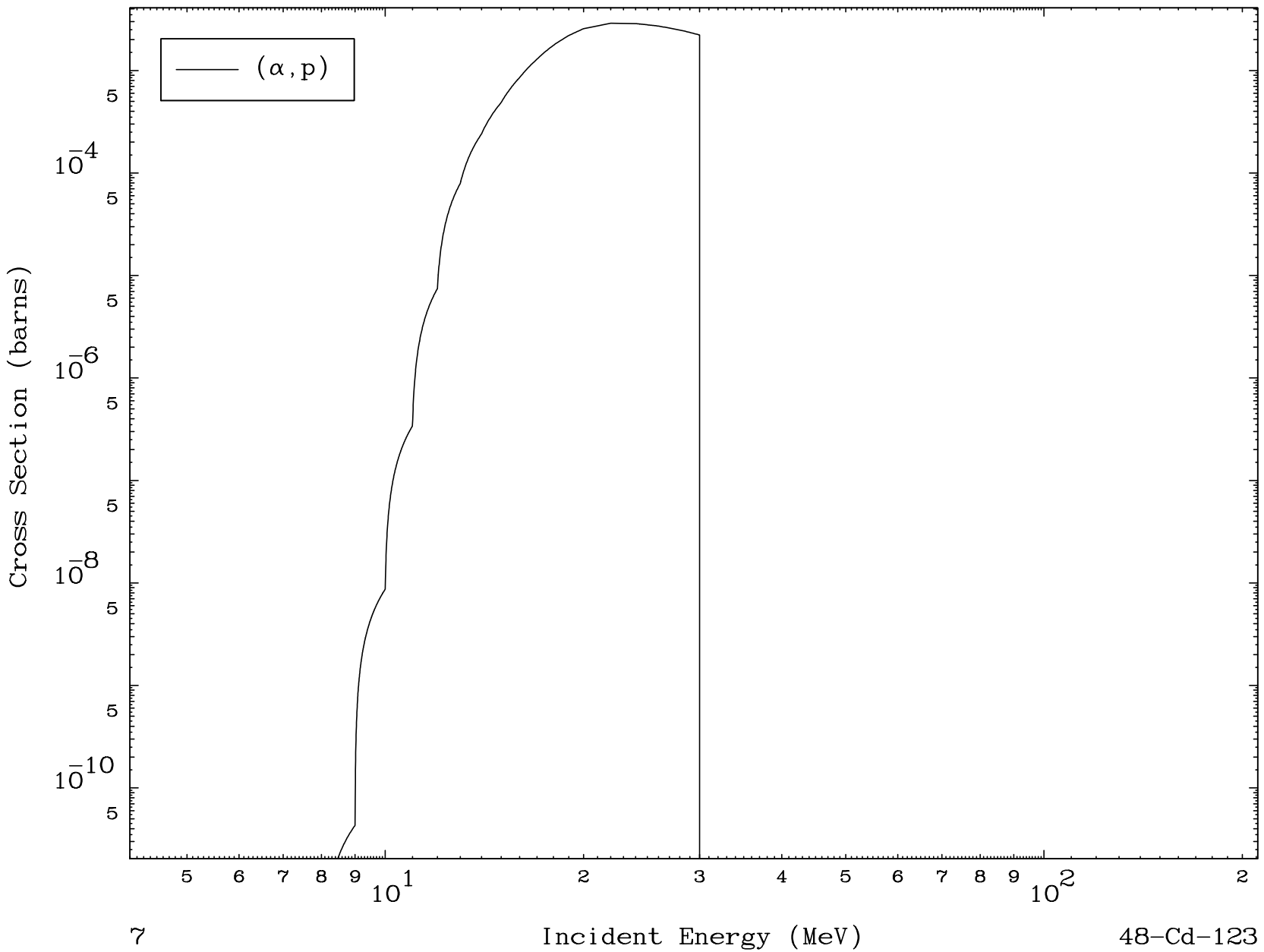

MAT 4877
α Neutron Production
0 Kelvin Cross Sections
48-Cd-123
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
Cross Section (barns)
Incident Energy (MeV)
48-Cd-123

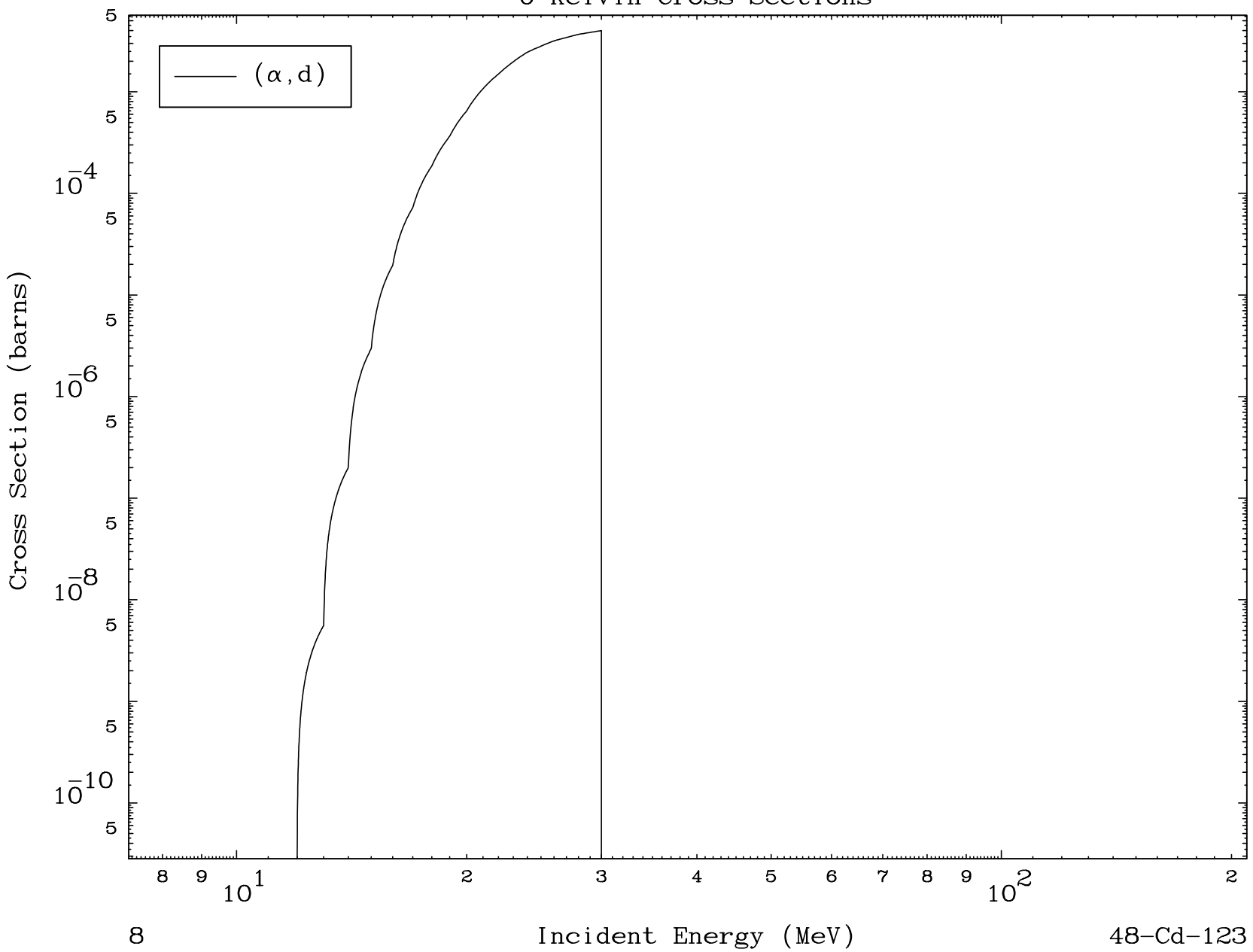

MAT 4877
α Neutron Production
0 Kelvin Cross Sections
48-Cd-123
Cross Section (barns)
Incident Energy (MeV)
(α,n') d
(α,n') t
(α,n') He-3
(α,4n)
(α,2n) p
3
48-Cd-123

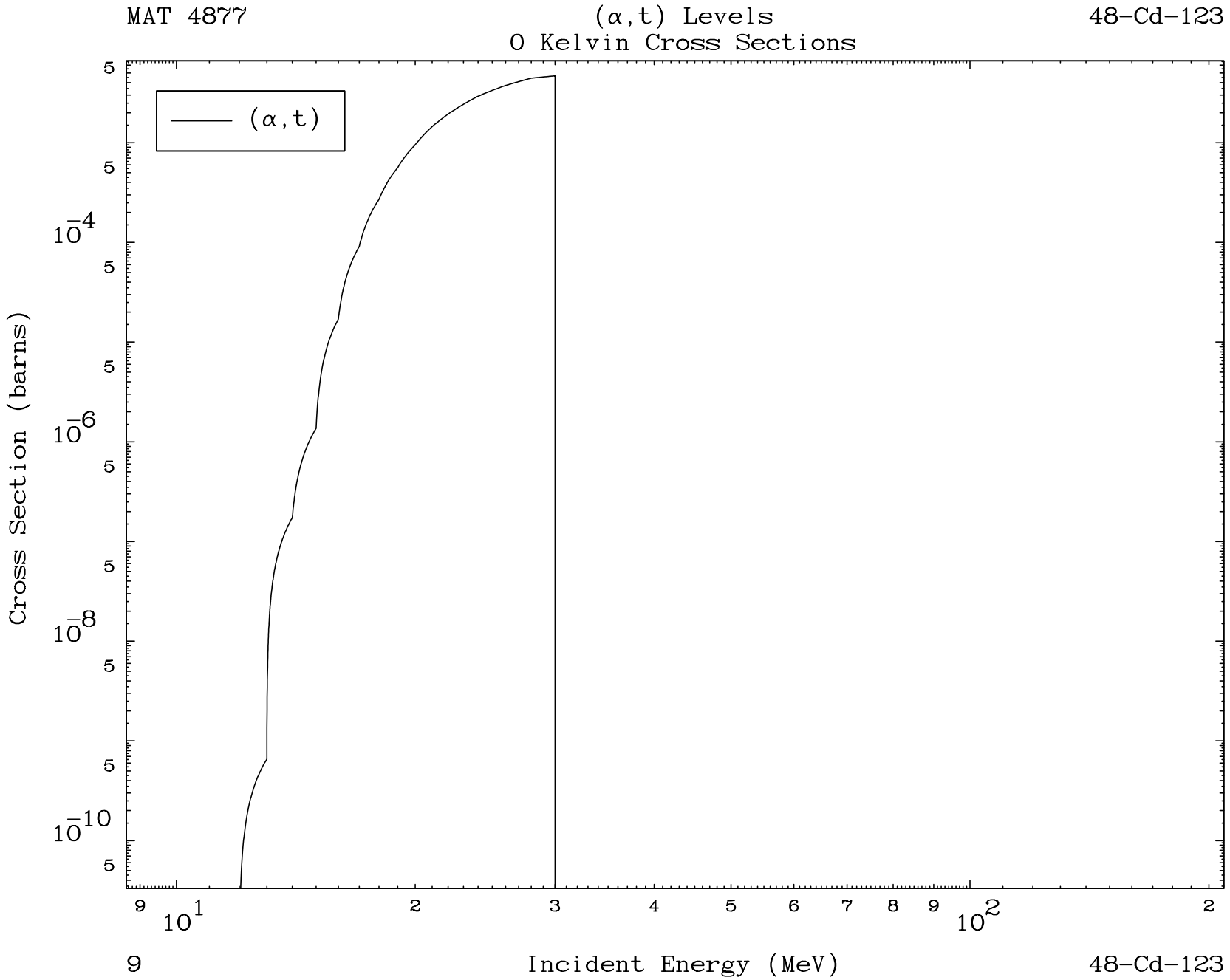

MAT 4877
α Charged Particle
0 Kelvin Cross Sections
48-Cd-123
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
Cross Section (barns)
Incident Energy (MeV)
4
48-Cd-123

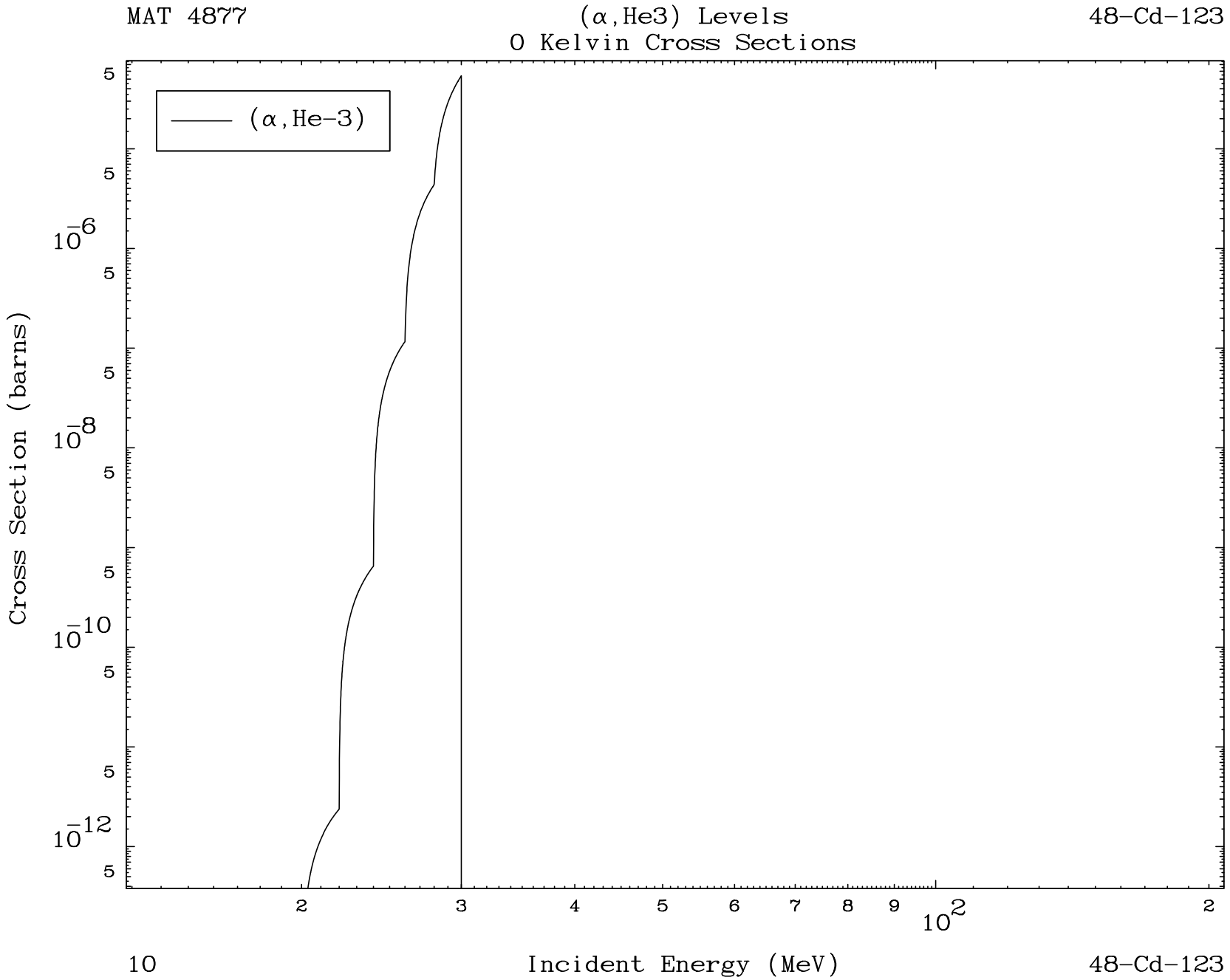

MAT 4877
α Charged Particle
0 Kelvin Cross Sections
48-Cd-123
(α,2n) p
(α,3n) p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
48-Cd-123

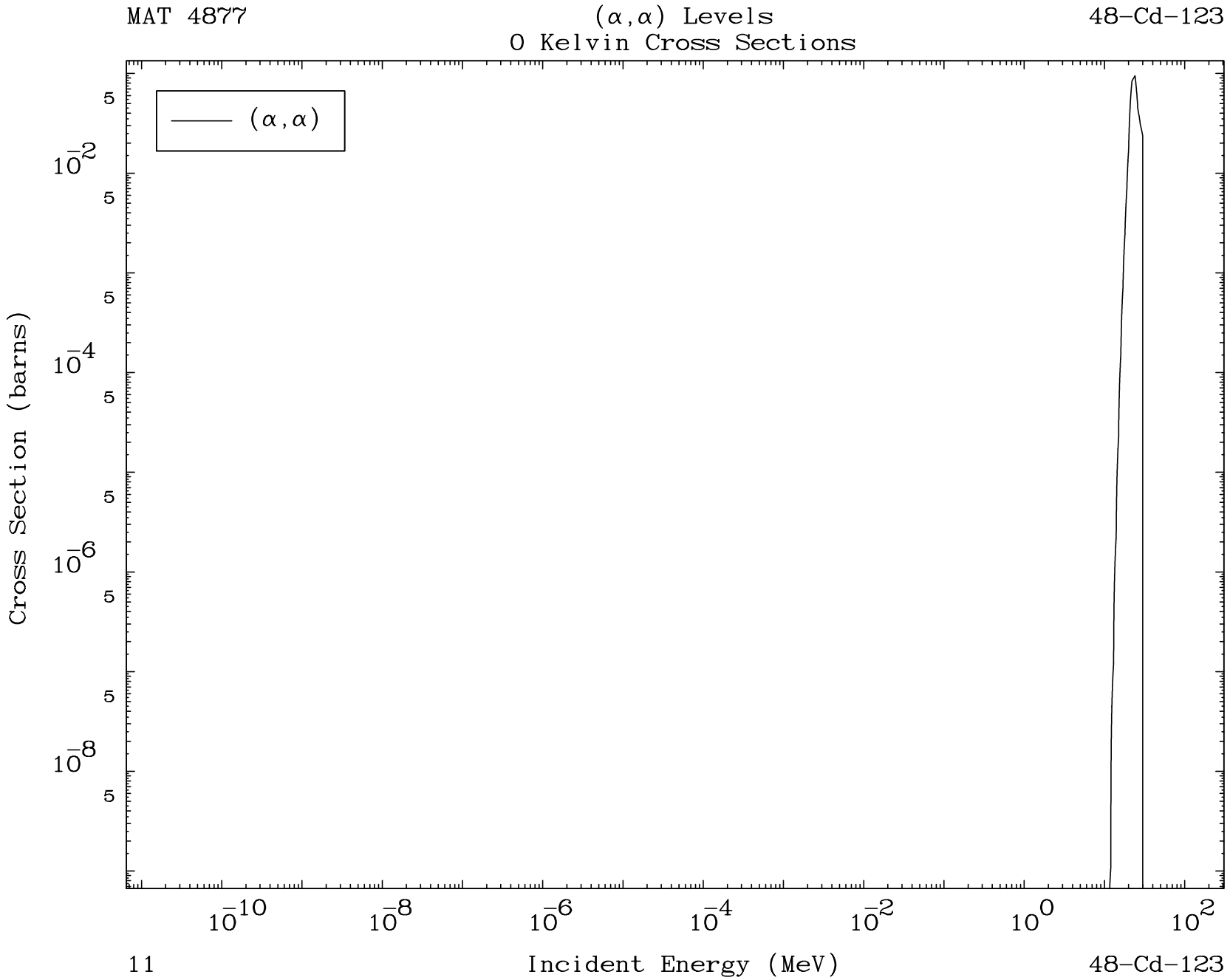

MAT 4877
(α,n') Level
48-Cd-123
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
48-Cd-123

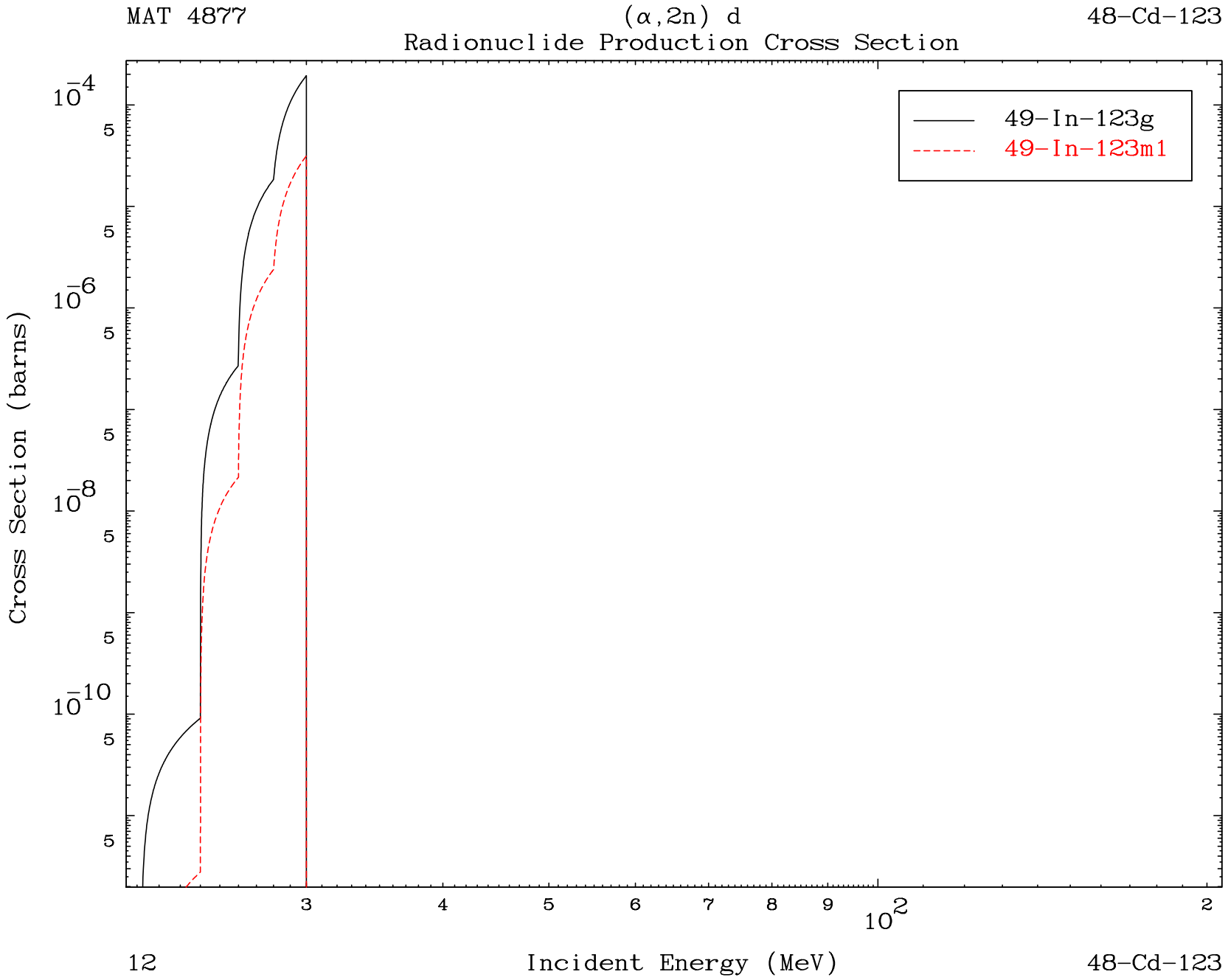

0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
10^2
Incident Energy (MeV)

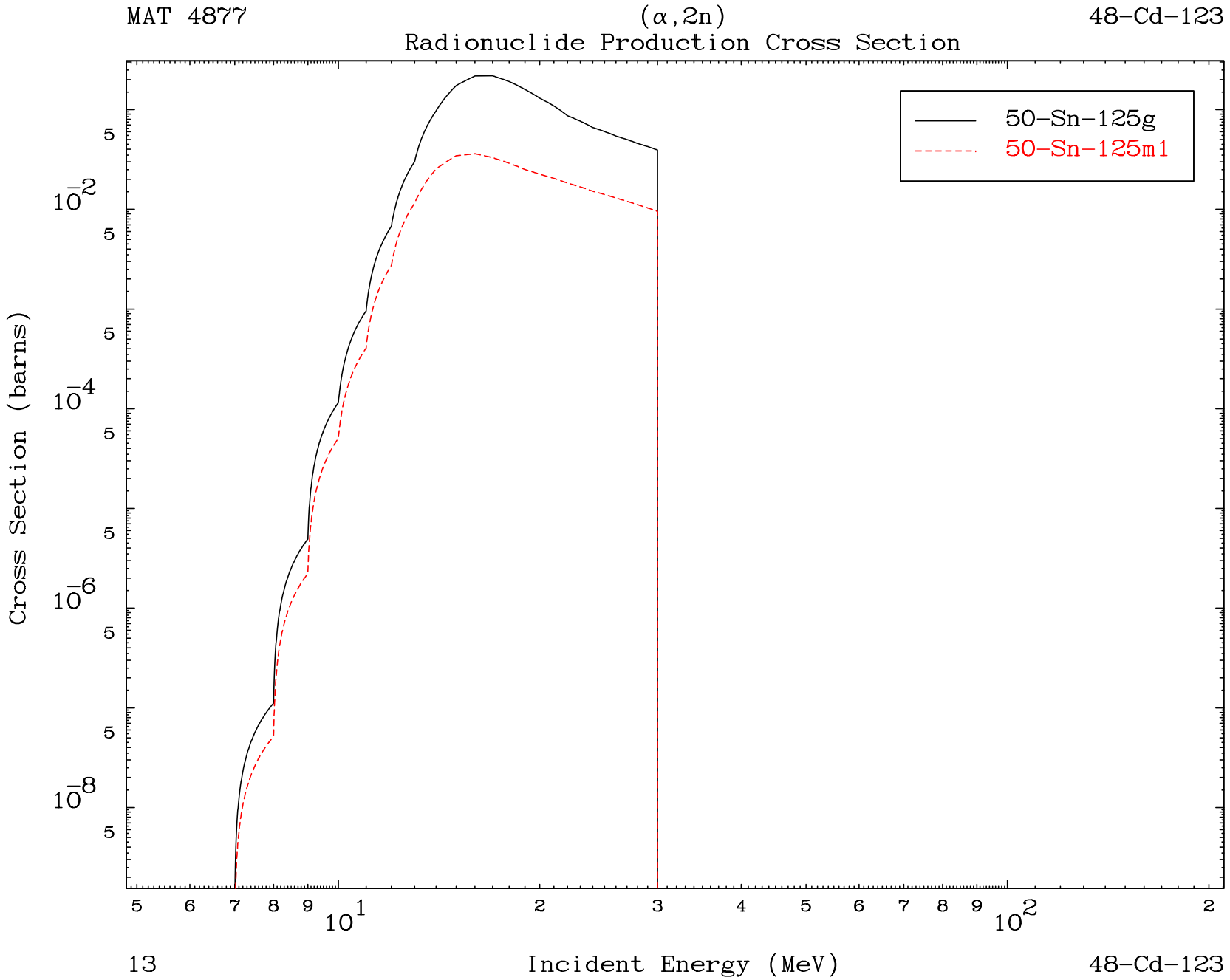

0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)

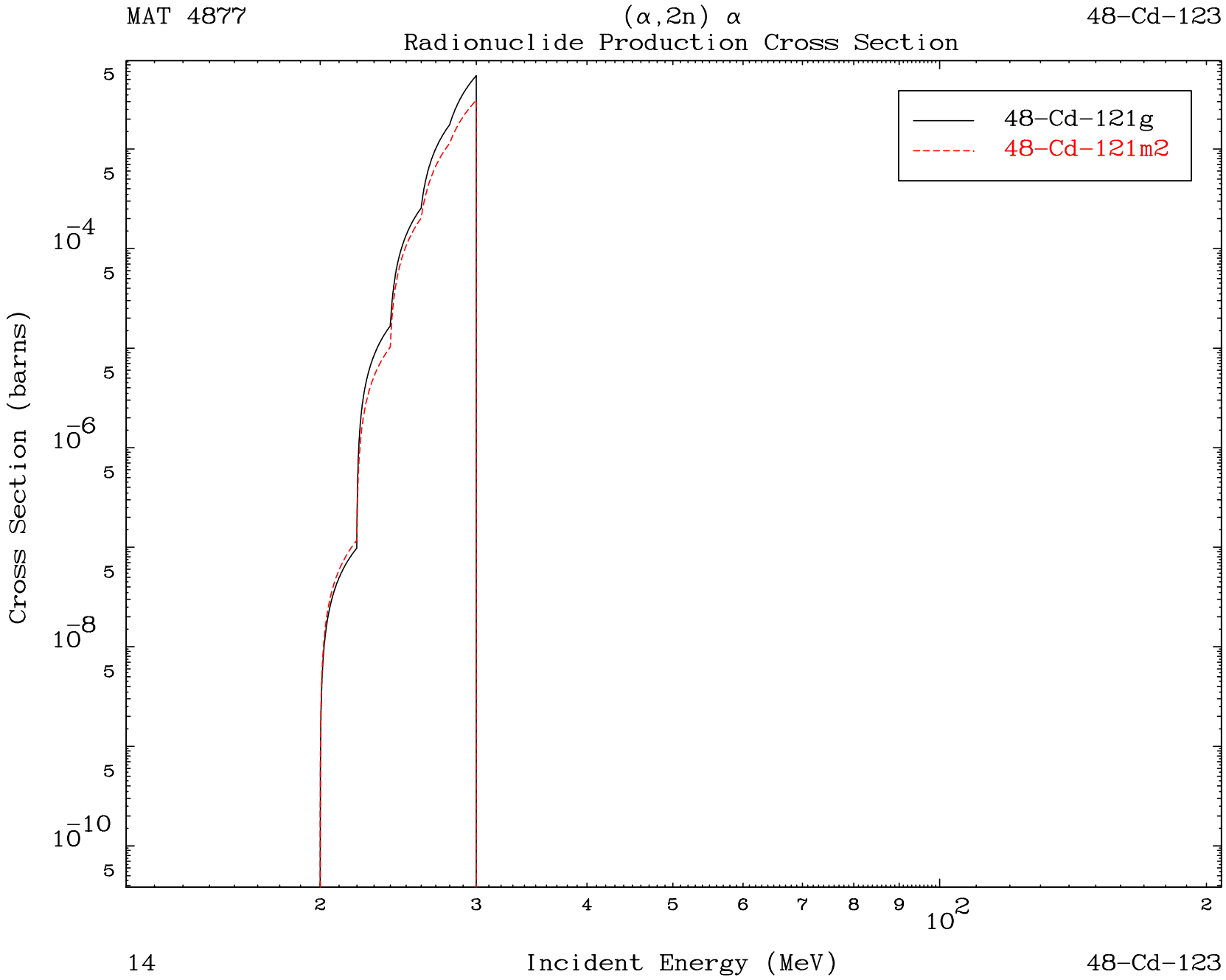

MAT 4877
(α,t) Levels
48-Cd-123
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
48-Cd-123

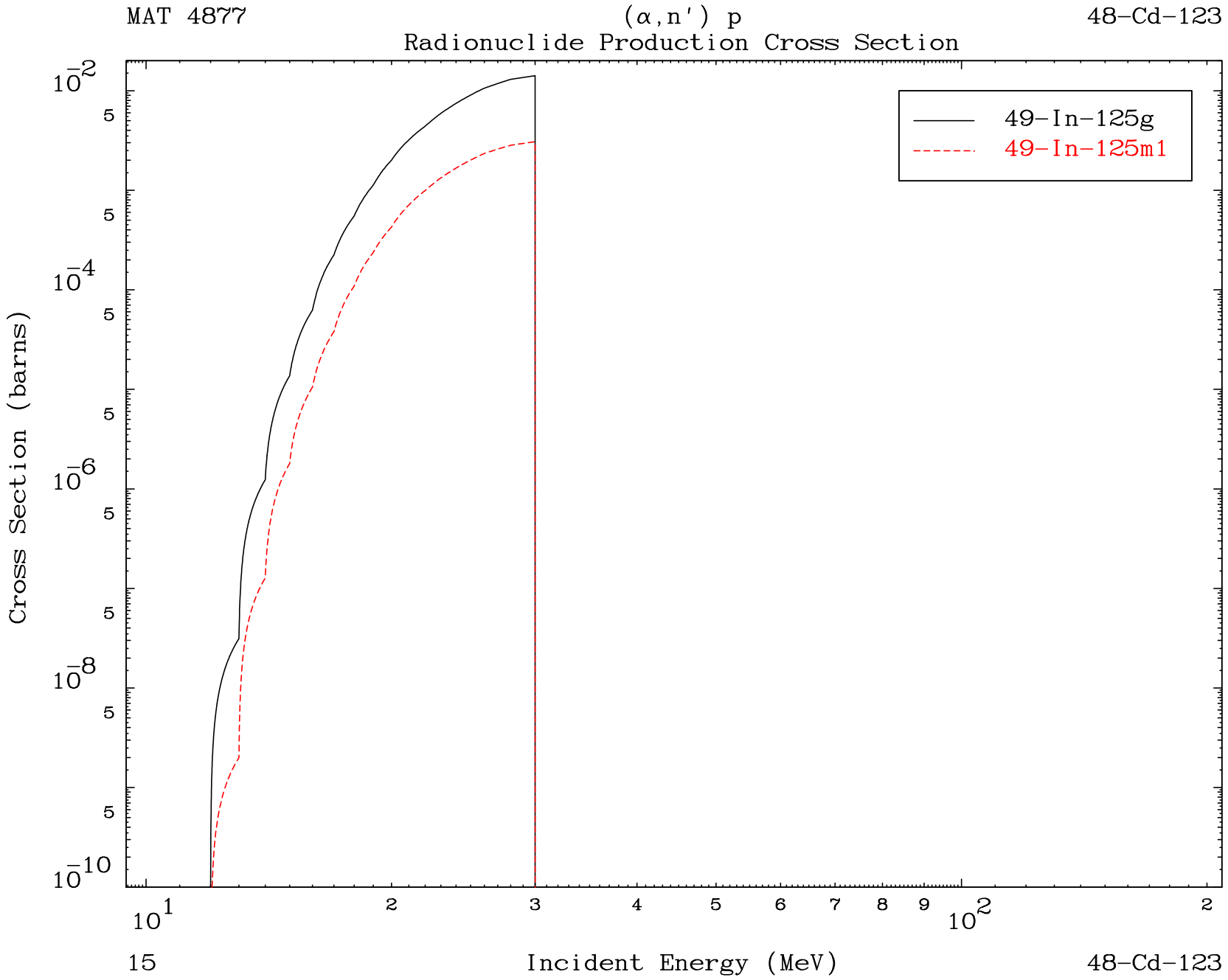

MAT 4877
(α,He3) Levels
48-Cd-123
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
48-Cd-123

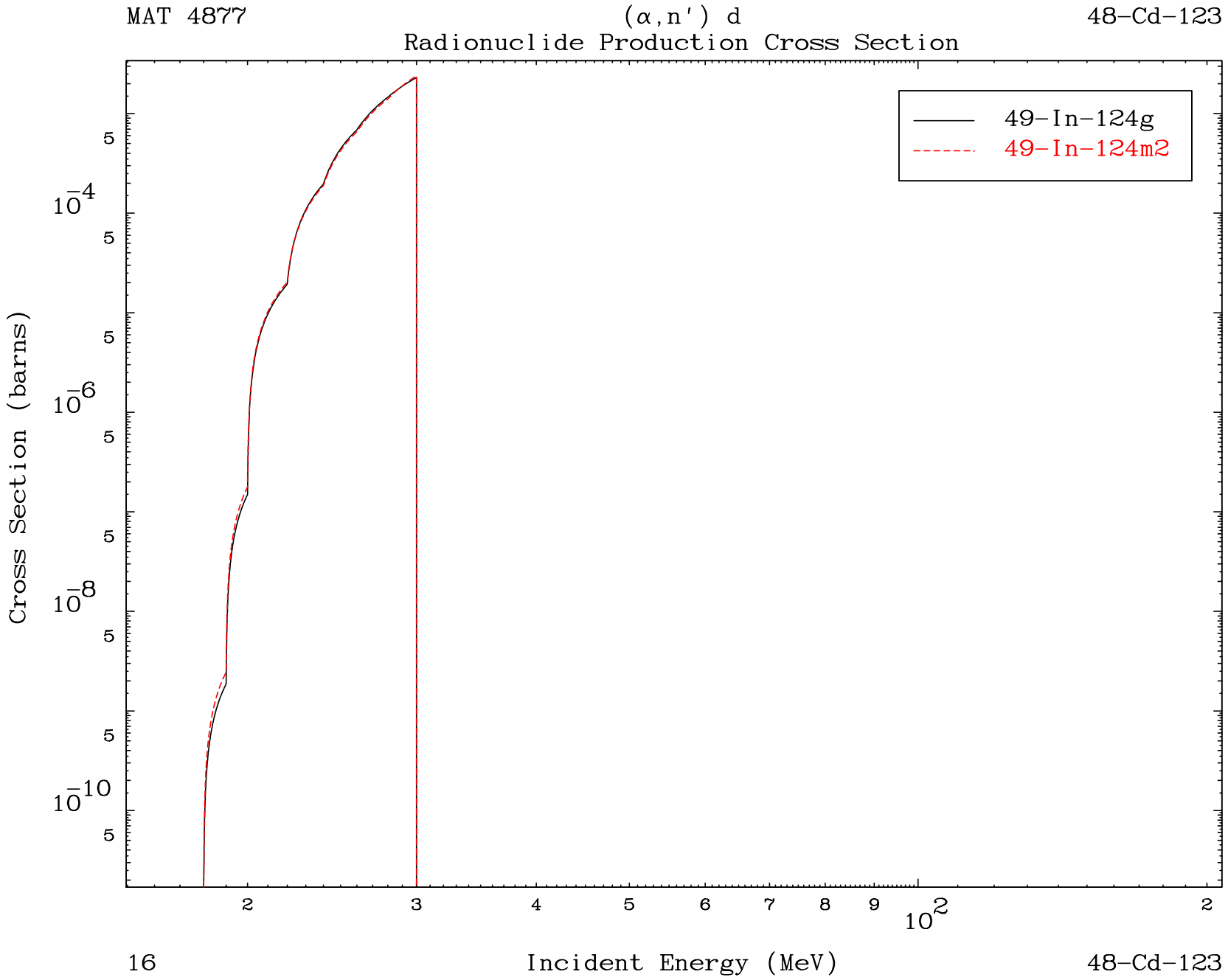

MAT 4877
(α,α) Levels
48-Cd-123
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
11
48-Cd-123

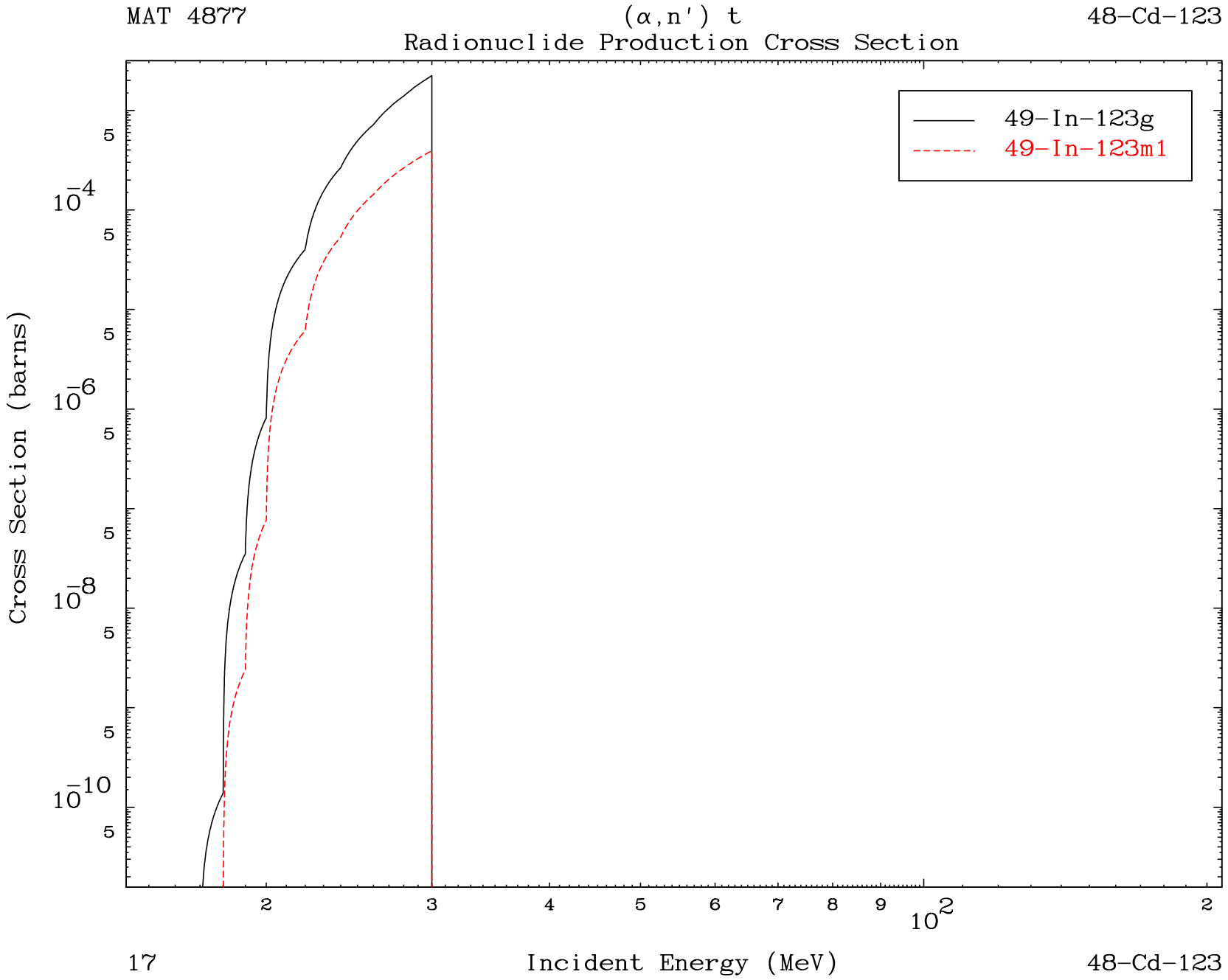

MAT 4877
(α,2n) d
48-Cd-123
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
48-Cd-123

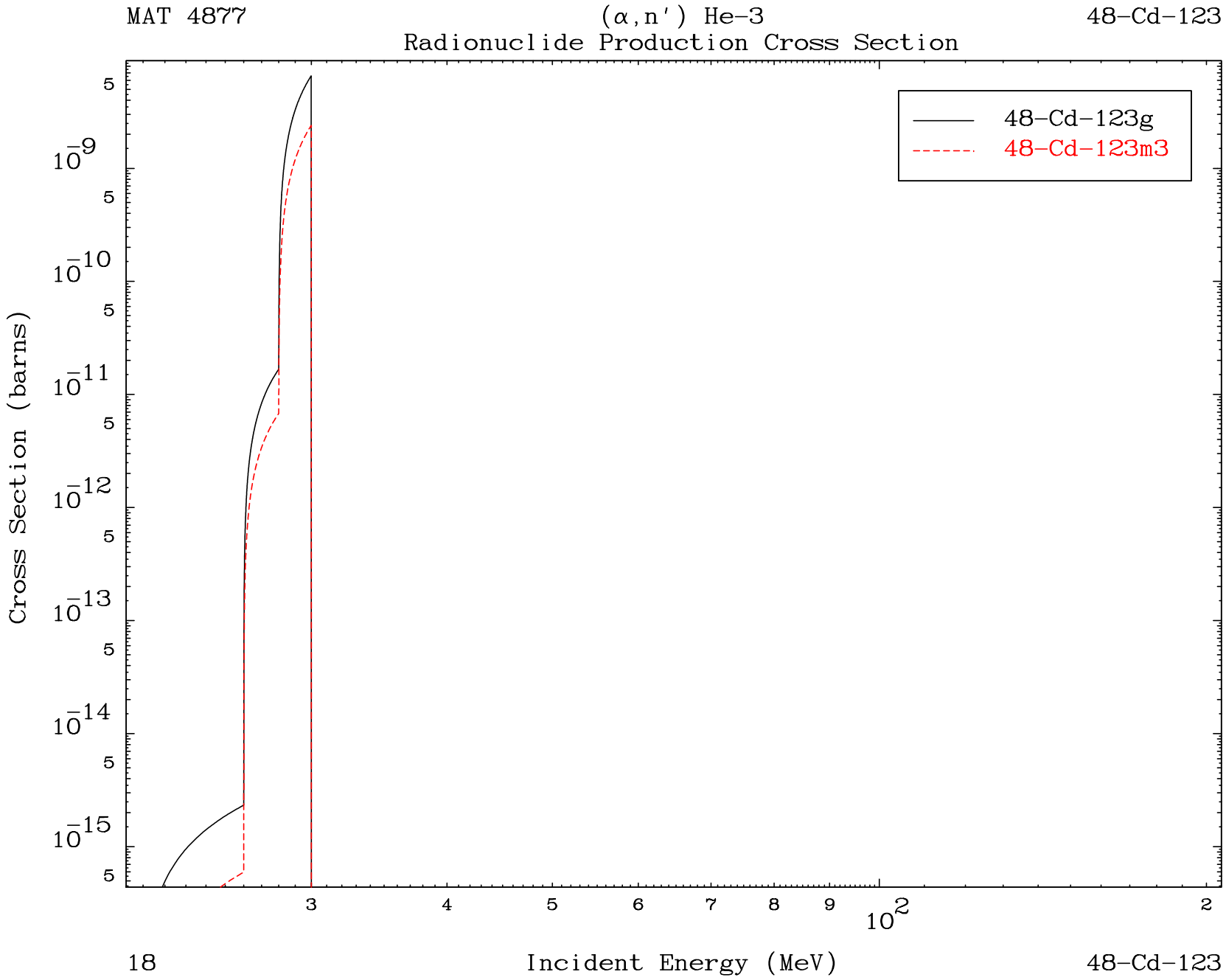

MAT 4877
(α,2n)
48-Cd-123
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6
7
8
9
10 1
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
48-Cd-123

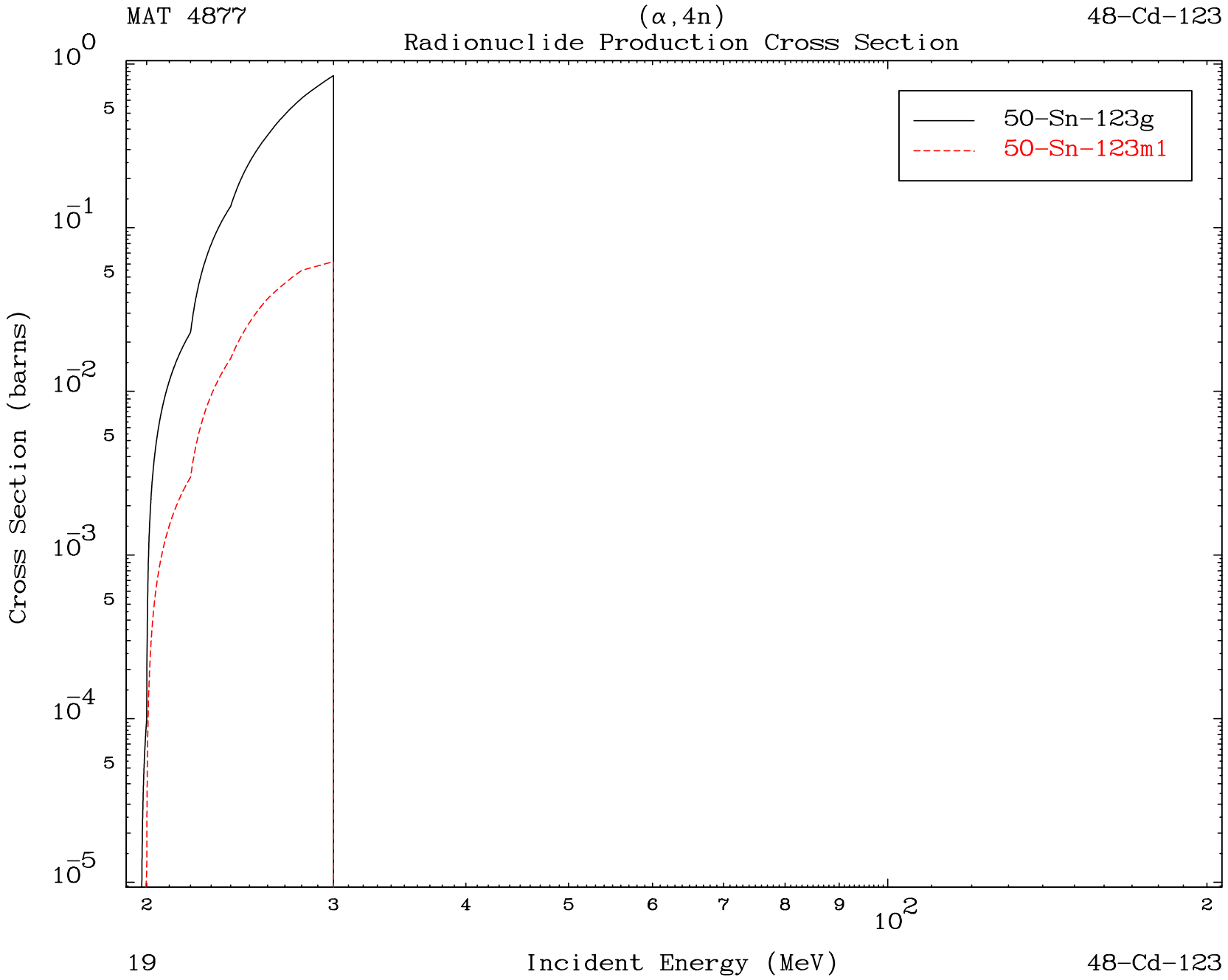

MAT 4877
(α,2n) α
48-Cd-123
Radionuclide Production Cross Section
48-Cd-121g
48-Cd-121m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
48-Cd-123

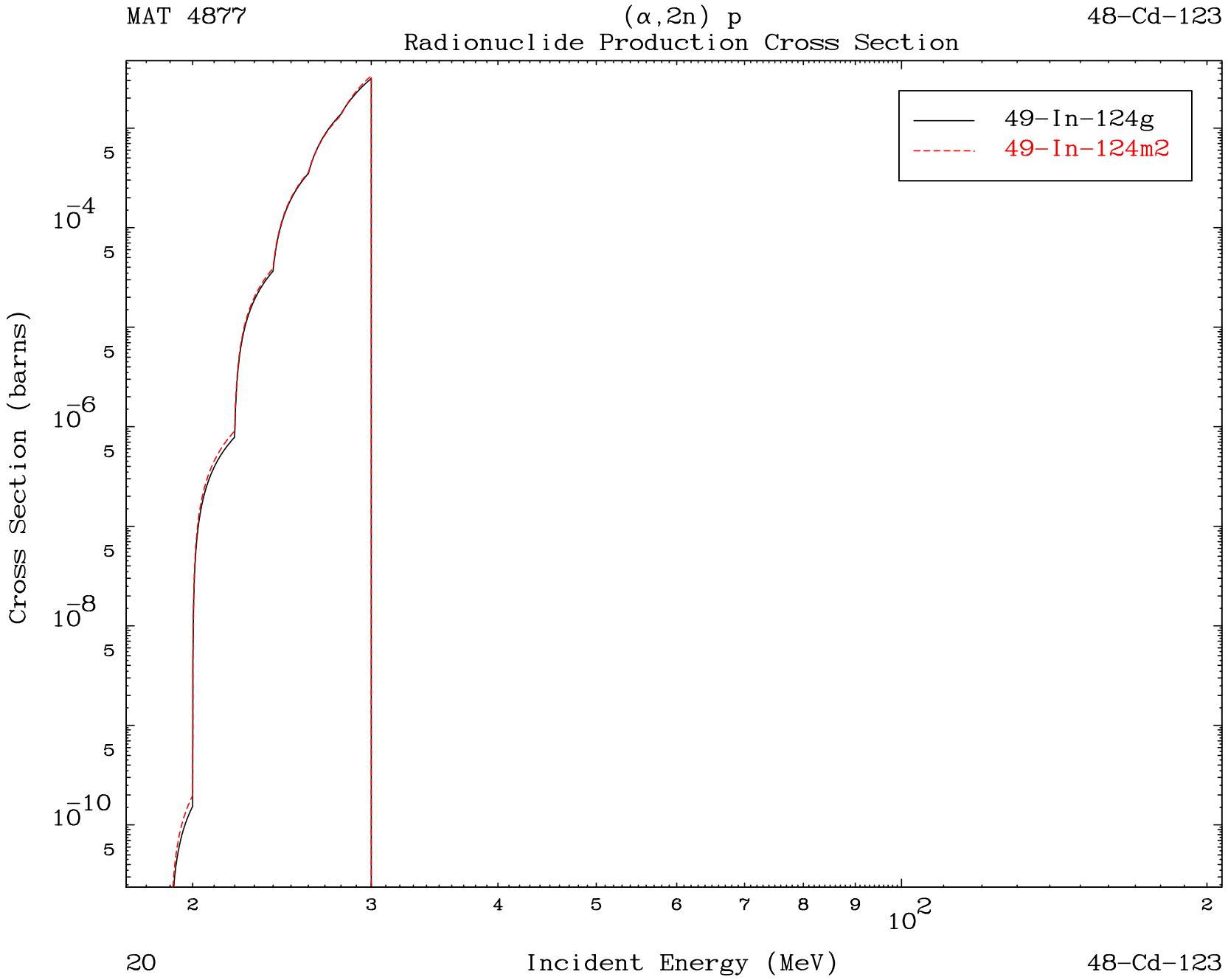

MAT 4877
(α,n') p
48-Cd-123
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
Incident Energy (MeV)
48-Cd-123
15

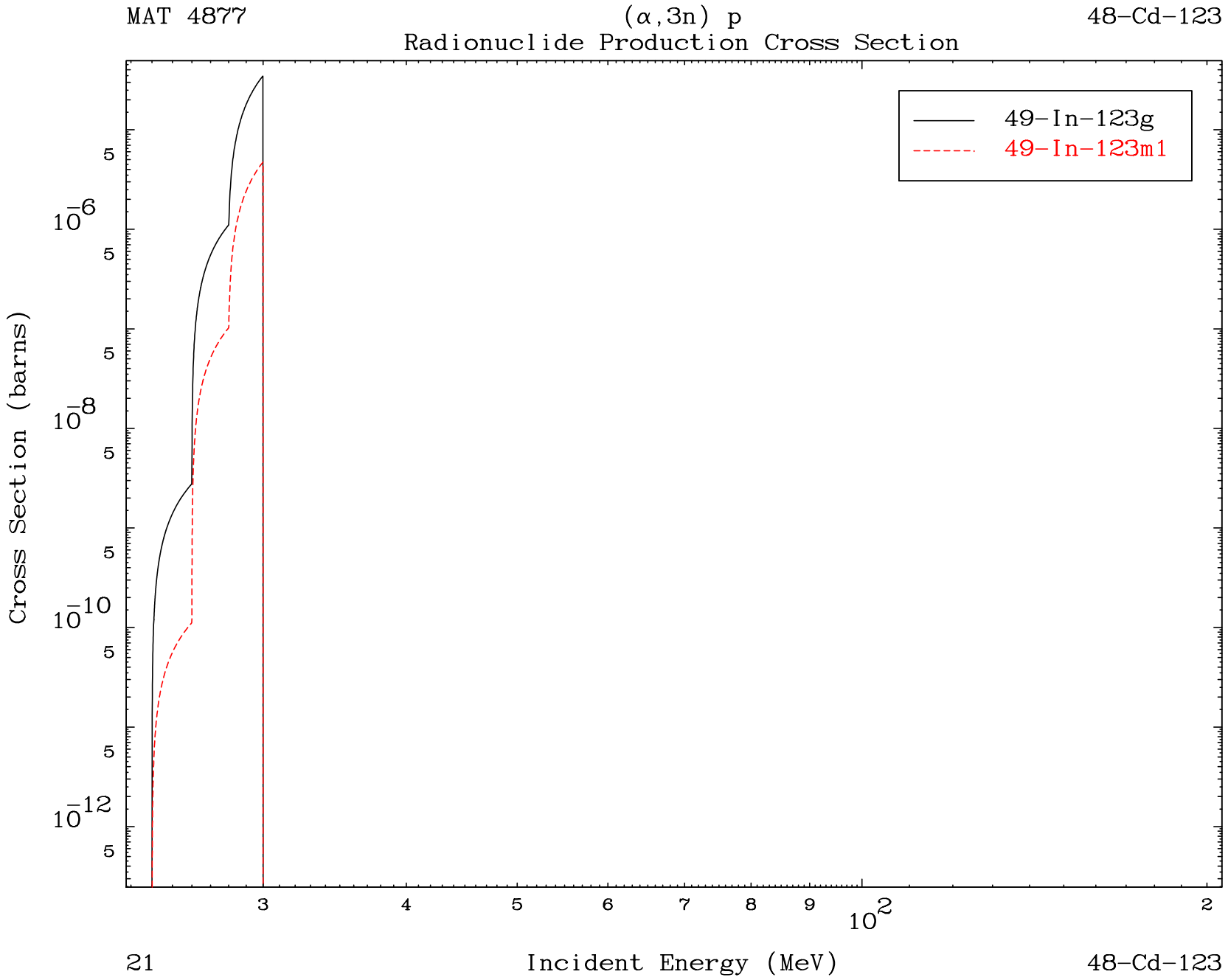

MAT 4877
(α,n') d
48-Cd-123
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
48-Cd-123

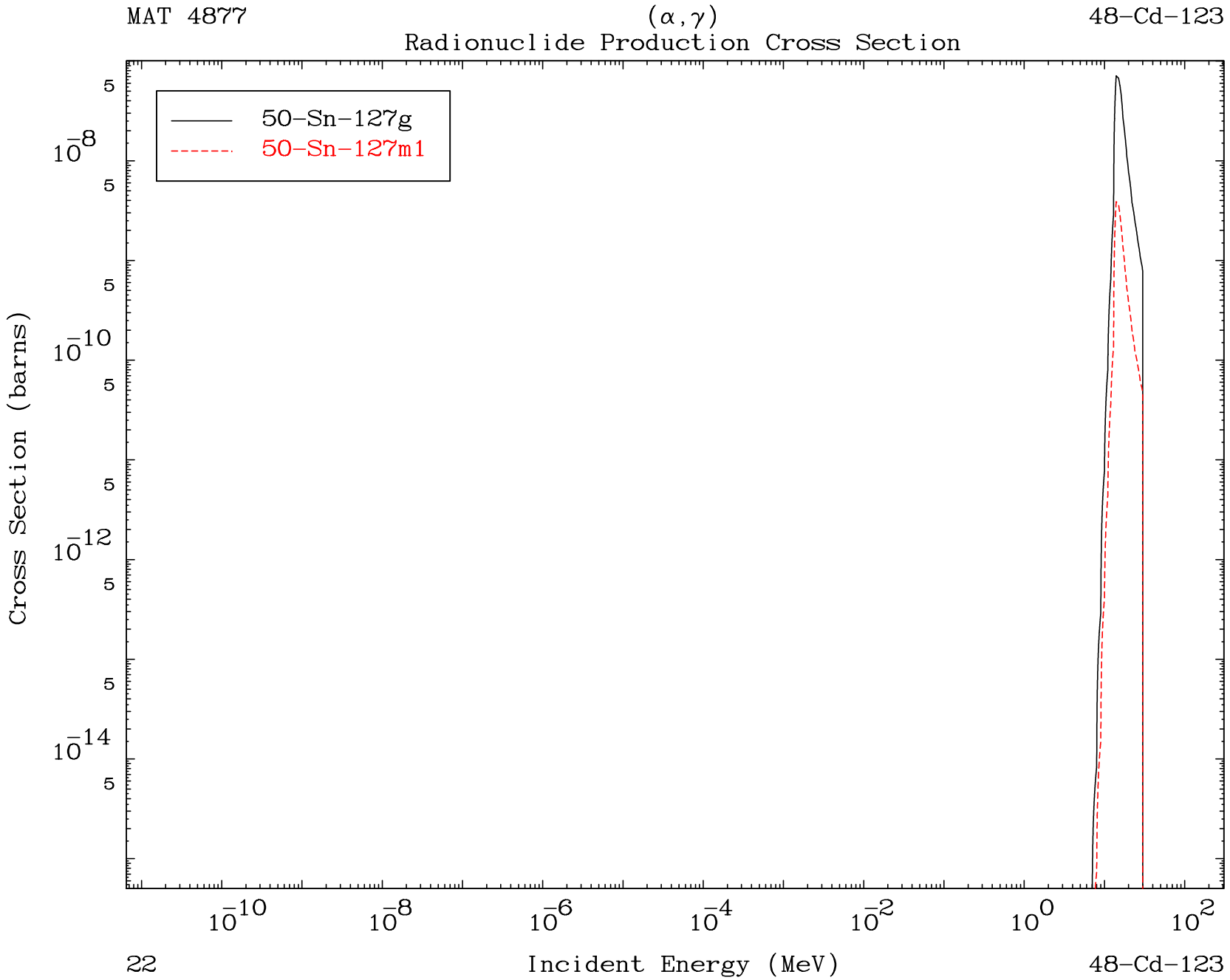

MAT 4877
(α,n') t
48-Cd-123
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
17
Incident Energy (MeV)
48-Cd-123

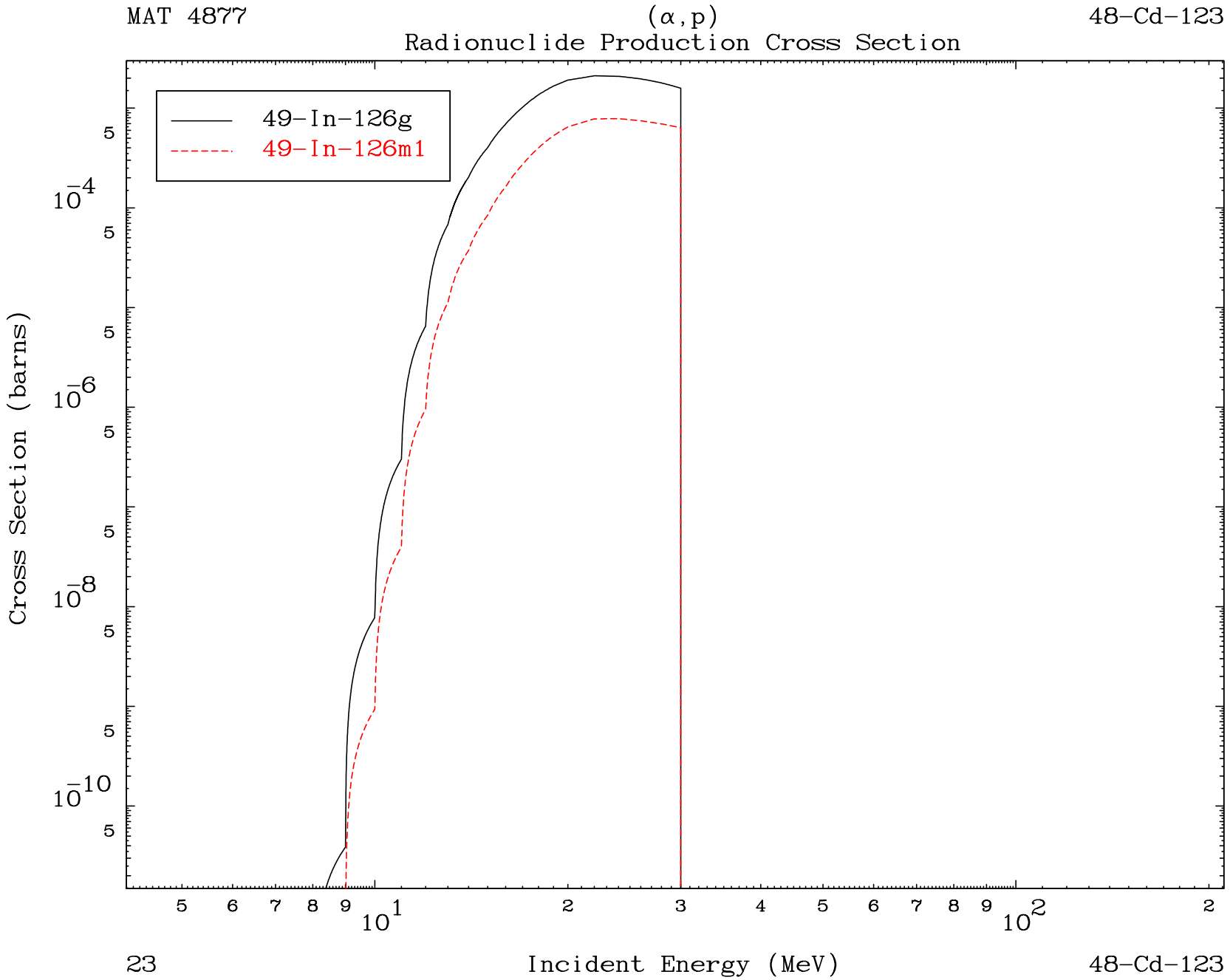

MAT 4877
(α,n') He-3
48-Cd-123
Radionuclide Production Cross Section
48-Cd-123g
48-Cd-123m3
Cross Section (barns)
Incident Energy (MeV)
18
48-Cd-123

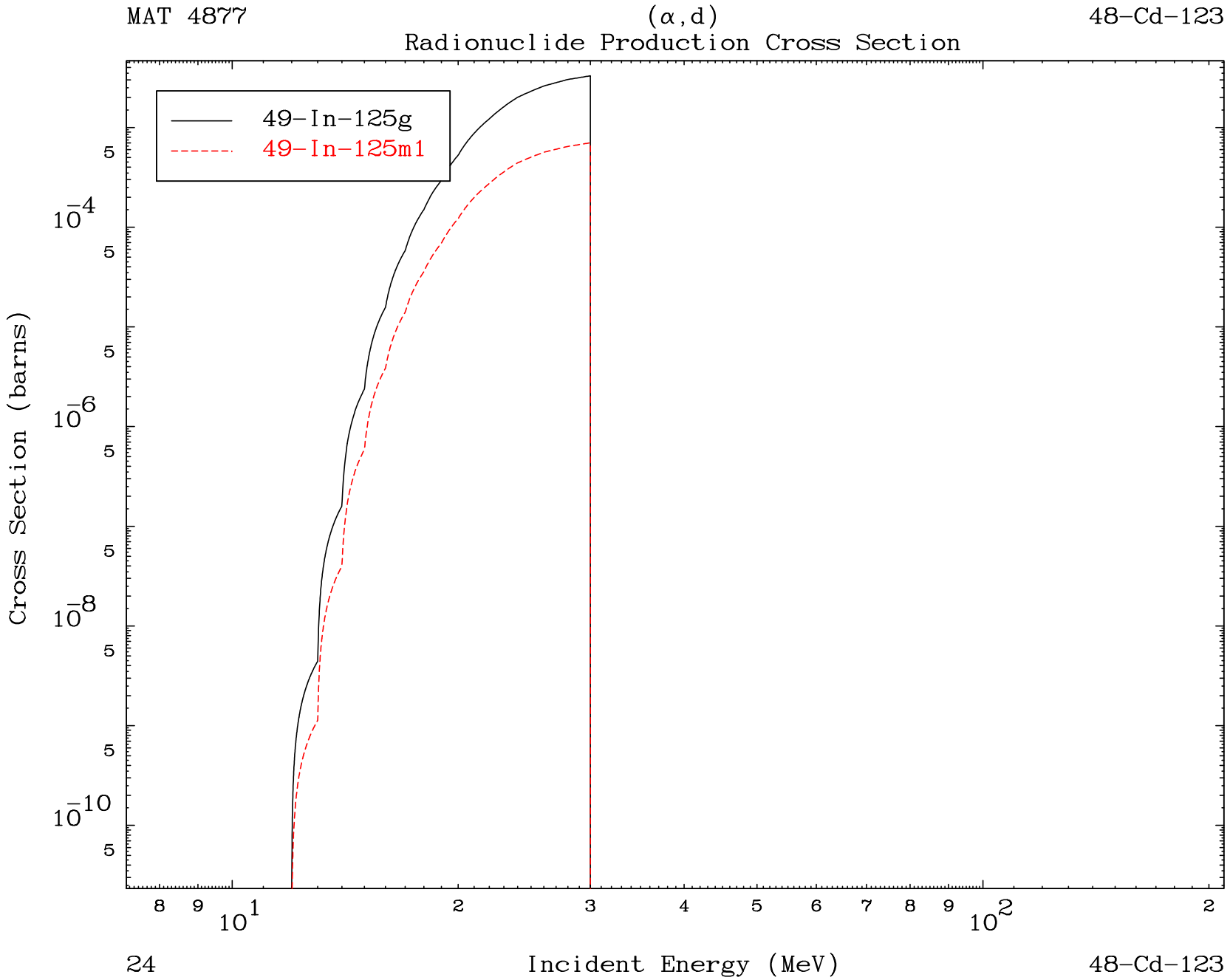

MAT 4877
(α,4n)
48-Cd-123
Radionuclide Production Cross Section
50-Sn-123g
50-Sn-123m1
Cross Section (barns)
Incident Energy (MeV)
19
48-Cd-123

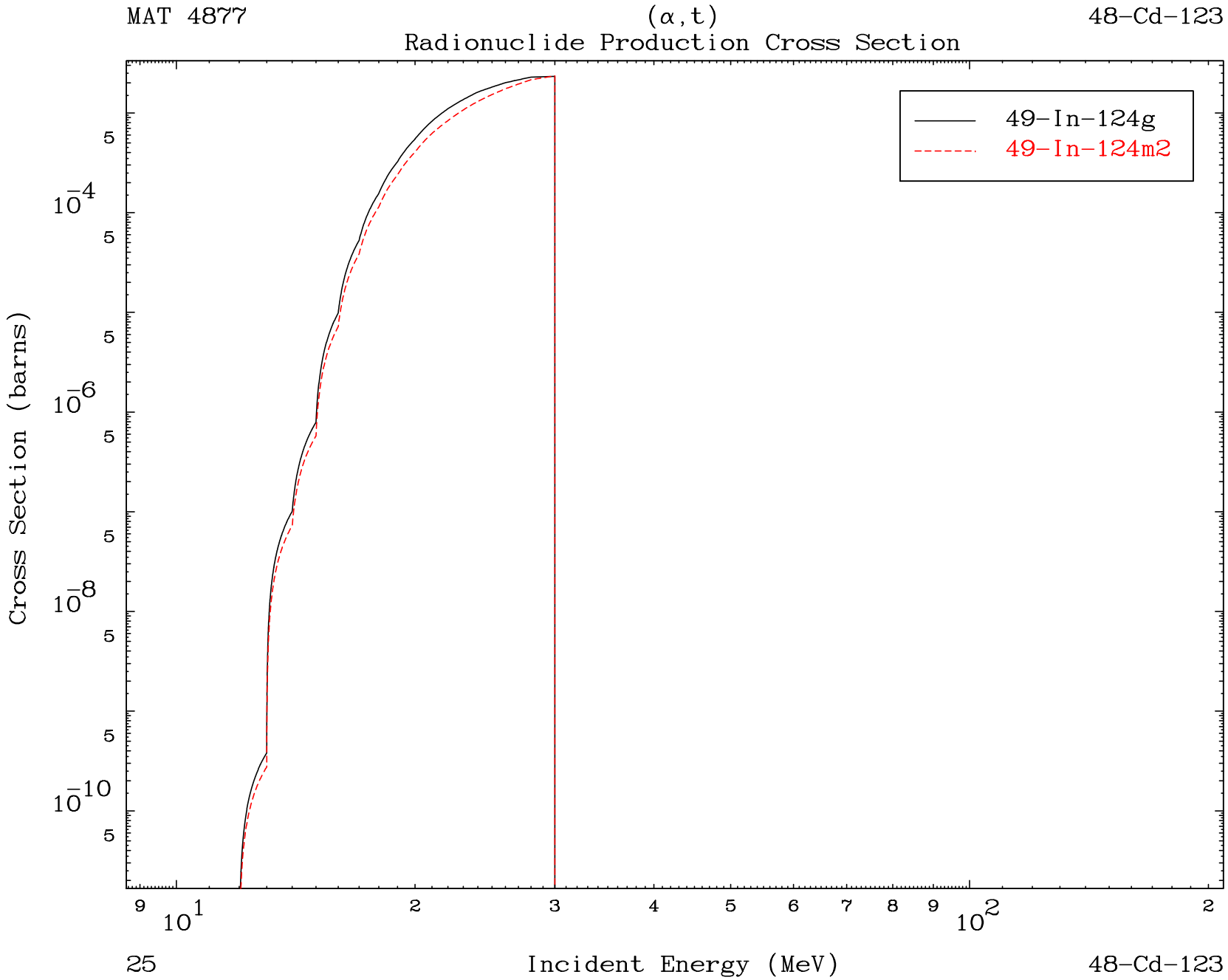

MAT 4877
(α,2n) p
48-Cd-123
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
20
48-Cd-123

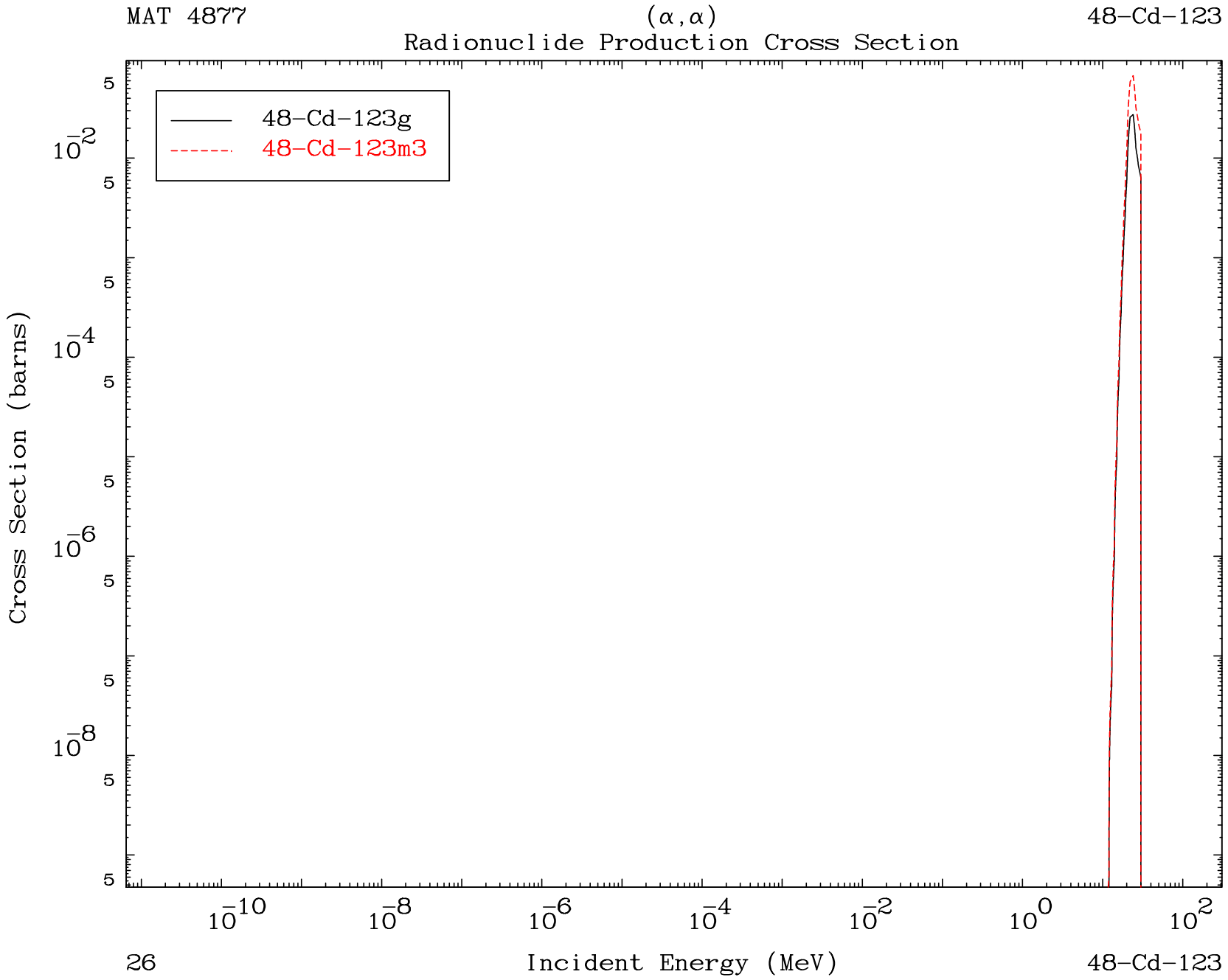

MAT 4877
(α,3n) p
48-Cd-123
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
48-Cd-123


MAT 4877
(α,γ)
48-Cd-123
Radionuclide Production Cross Section
50-Sn-127g
50-Sn-127m1
Cross Section (barns)
Incident Energy (MeV)
22
48-Cd-123


MAT 4877
(α,p)
48-Cd-123
Radionuclide Production Cross Section
49-In-126g
49-In-126m1
Cross Section (barns)
Incident Energy (MeV)
23
48-Cd-123


MAT 4877
(α,d)
48-Cd-123
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
24
48-Cd-123


MAT 4877
(α,t)
48-Cd-123
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
25
48-Cd-123


MAT 4877
(α,α)
48-Cd-123
Radionuclide Production Cross Section
48-Cd-123g
48-Cd-123m3
Cross Section (barns)
Incident Energy (MeV)
26
48-Cd-123