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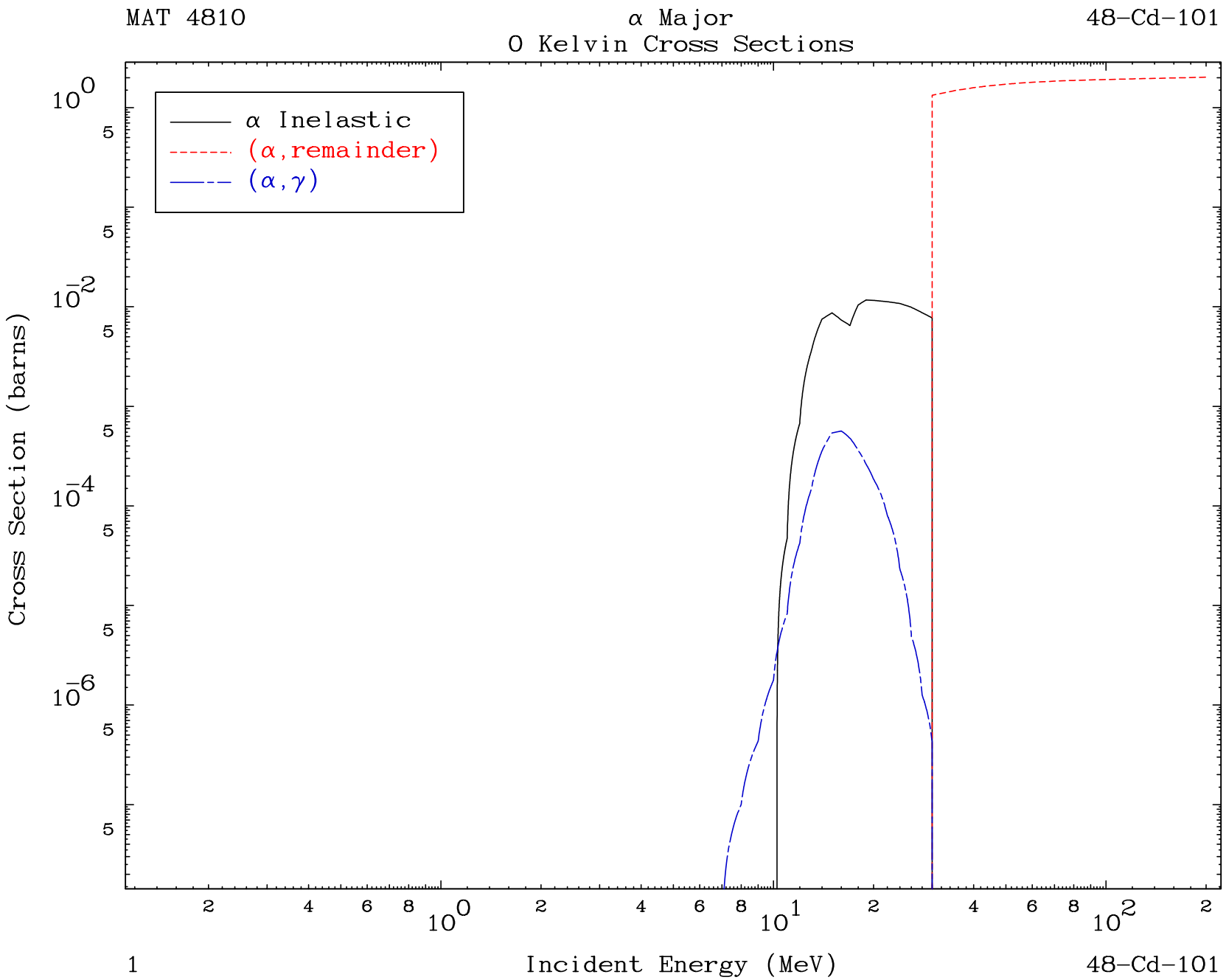
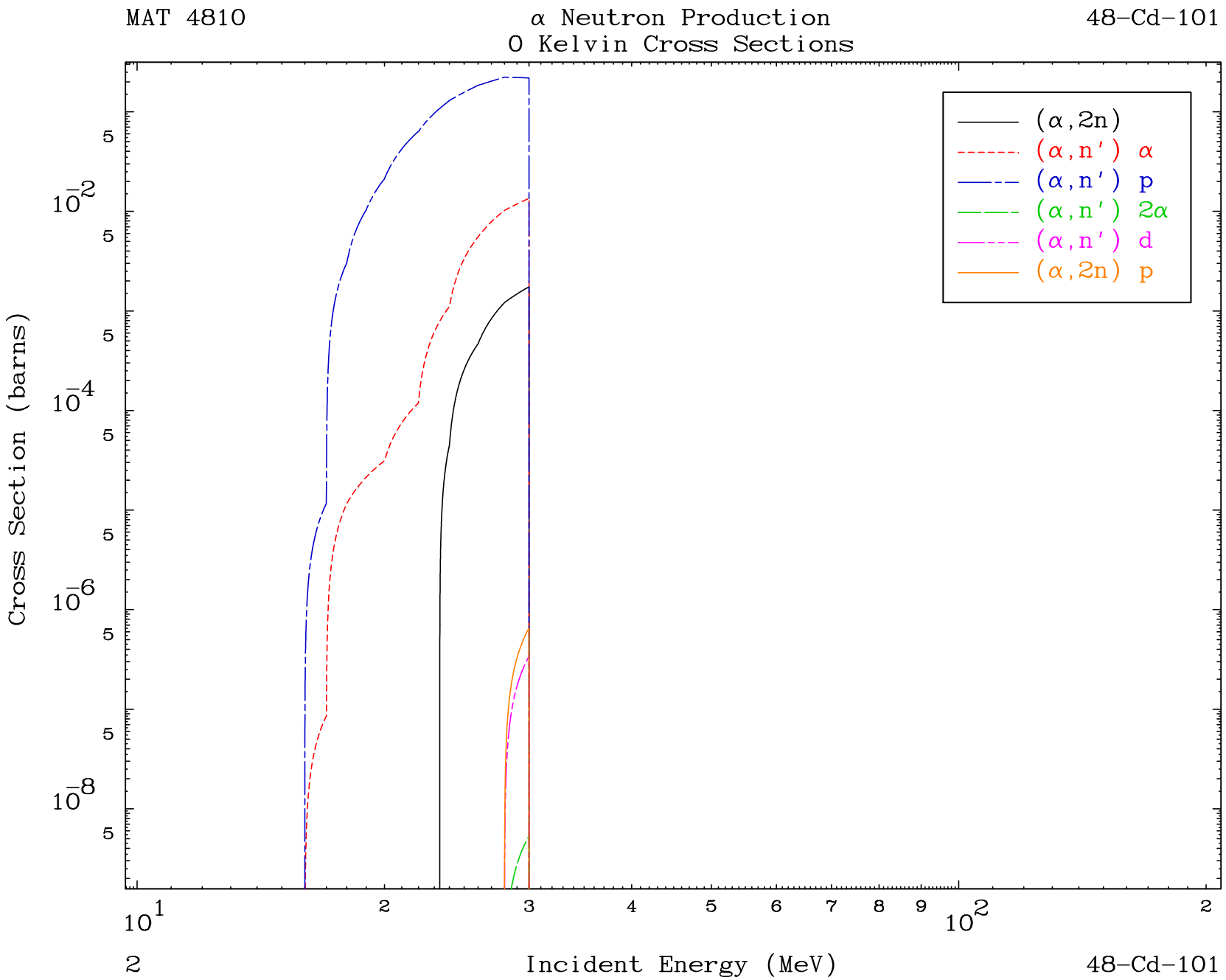
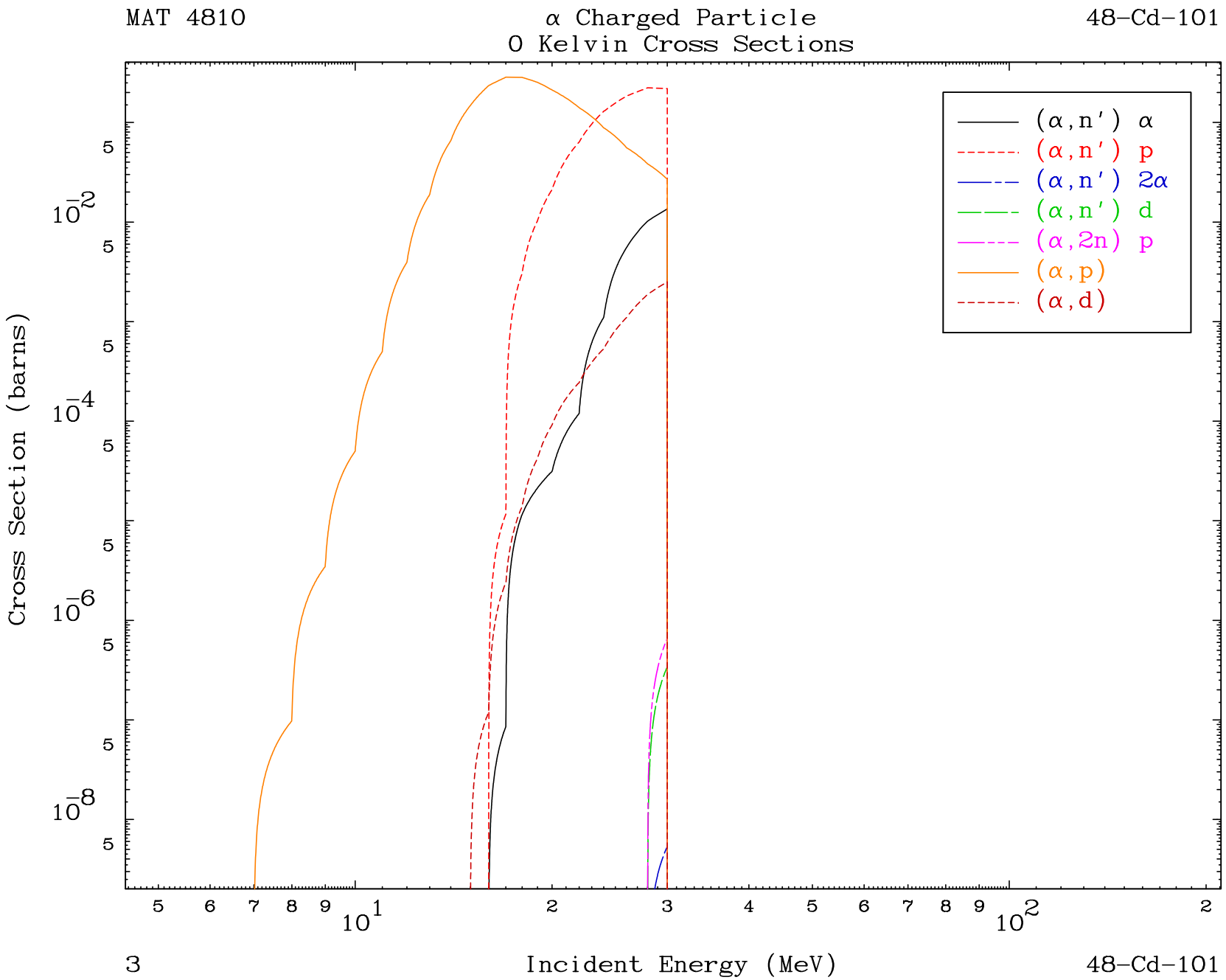
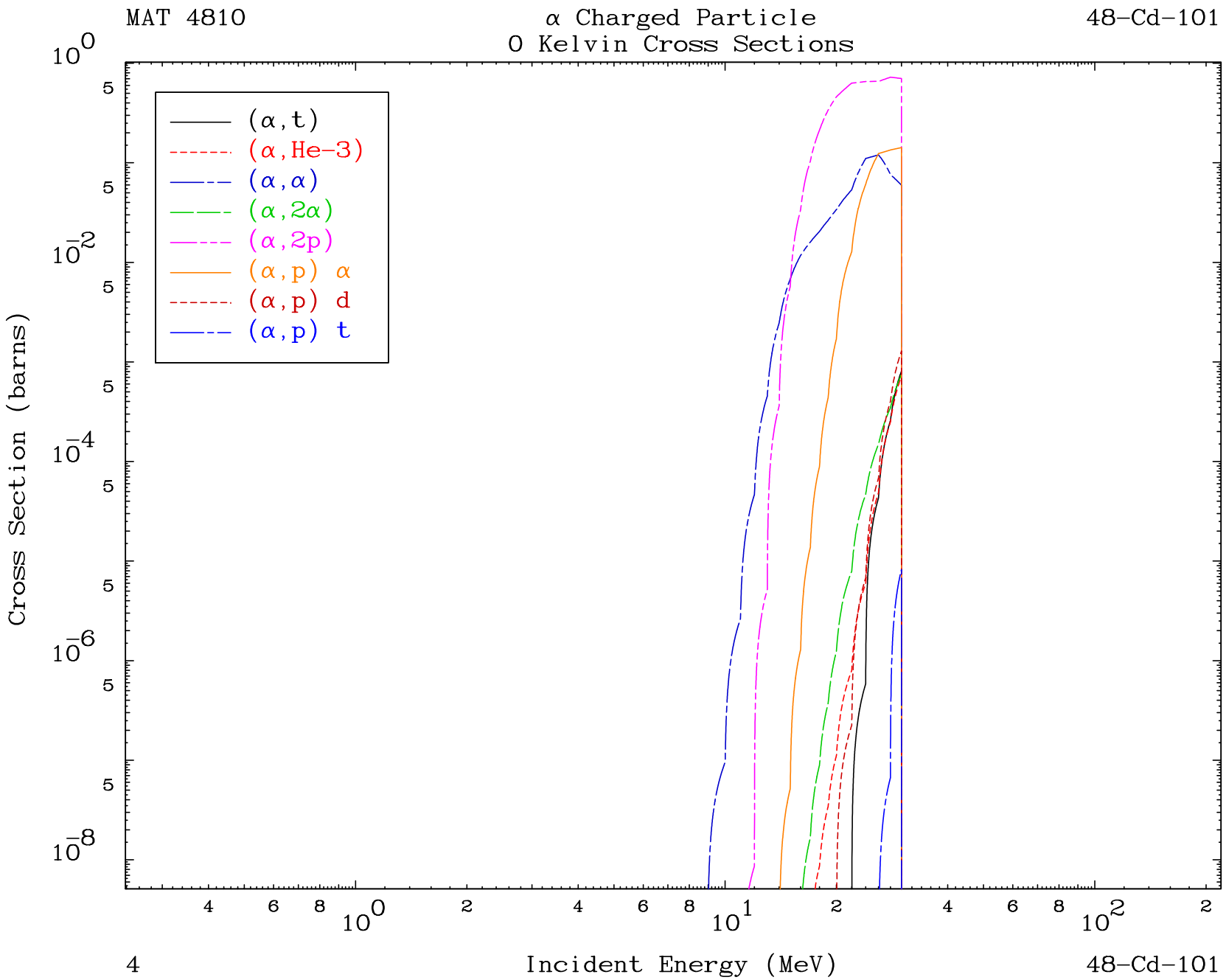
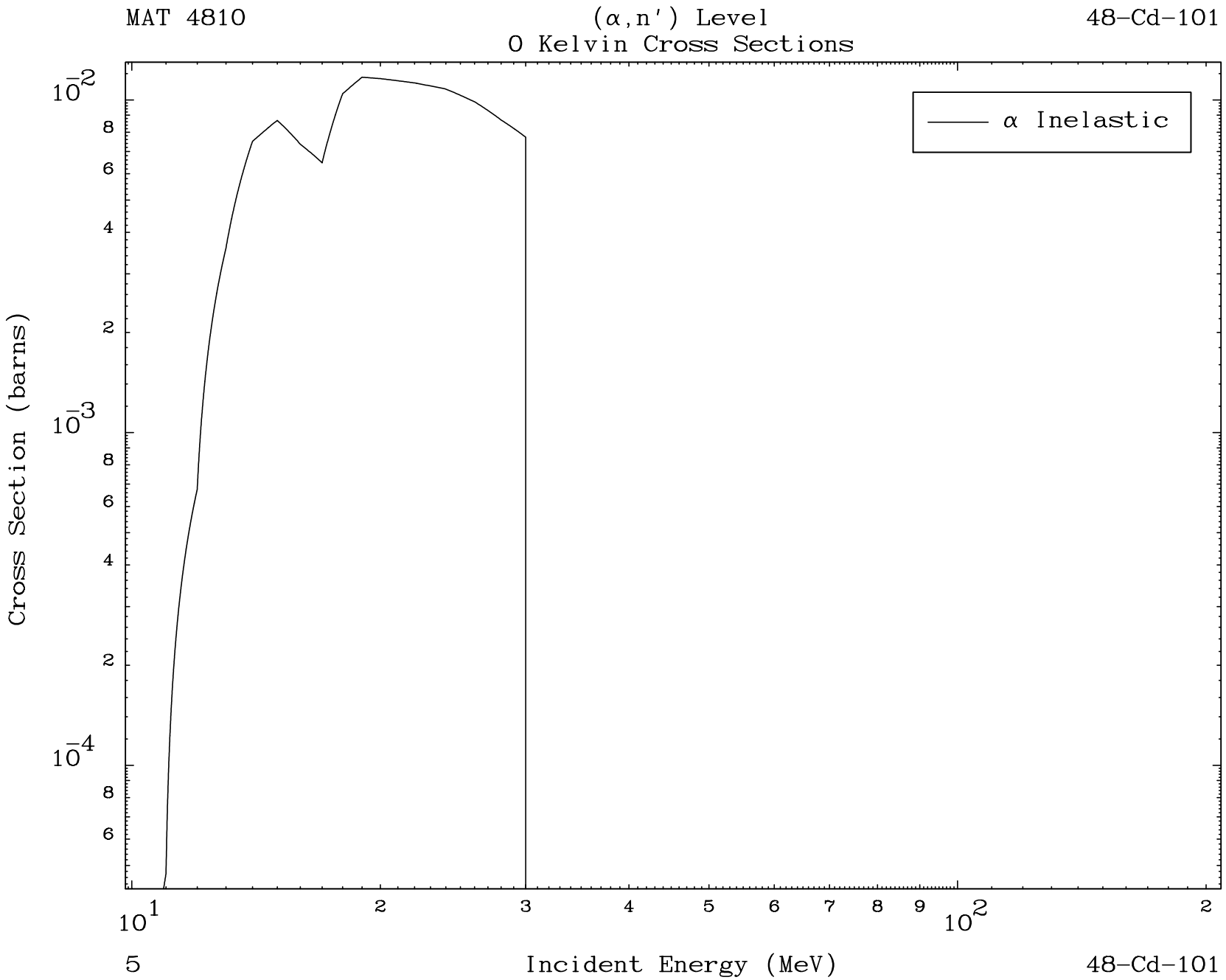
Press Mouse Button to Start

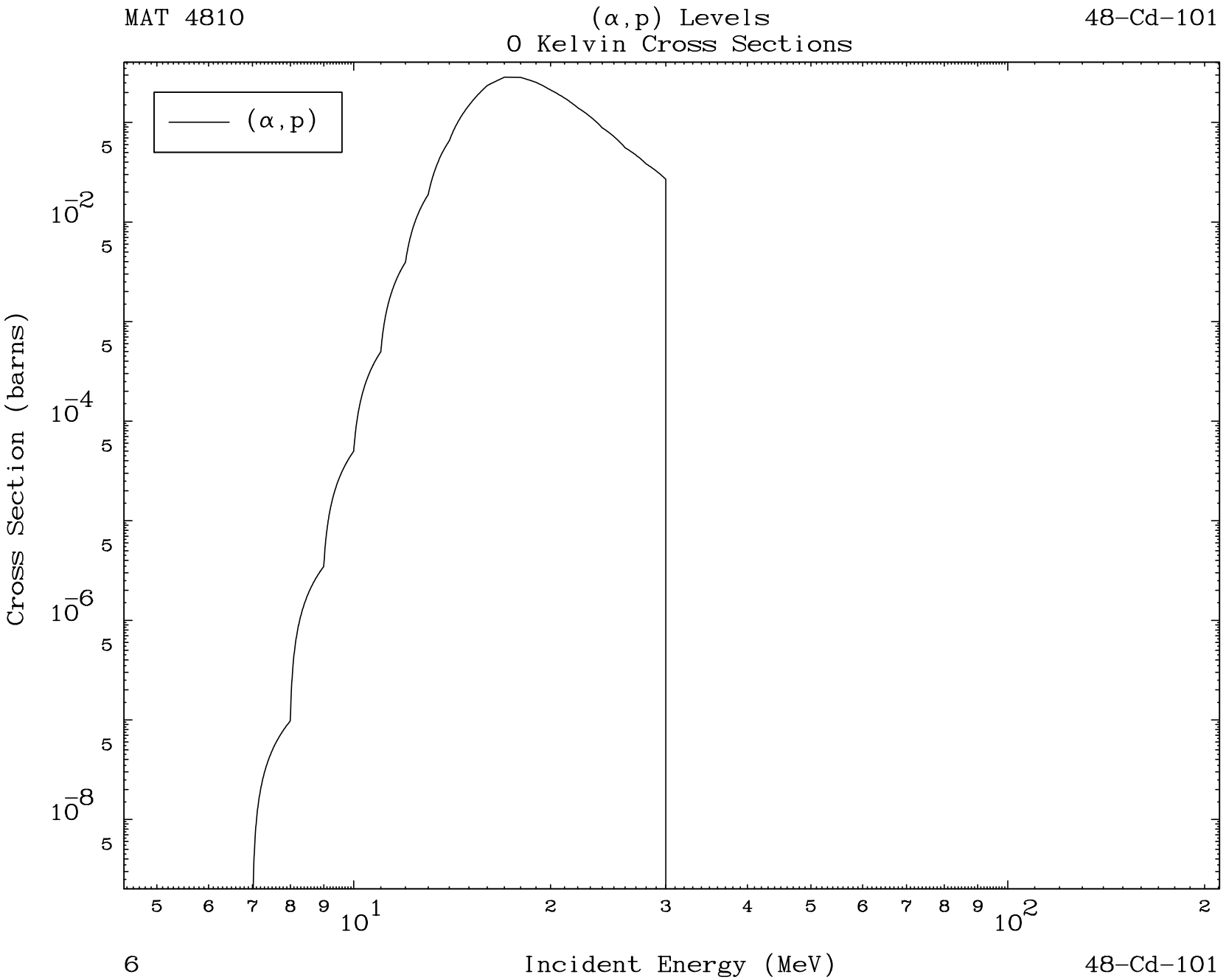

MAT 4810
α Major
48-Cd-101
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
48-Cd-101
1

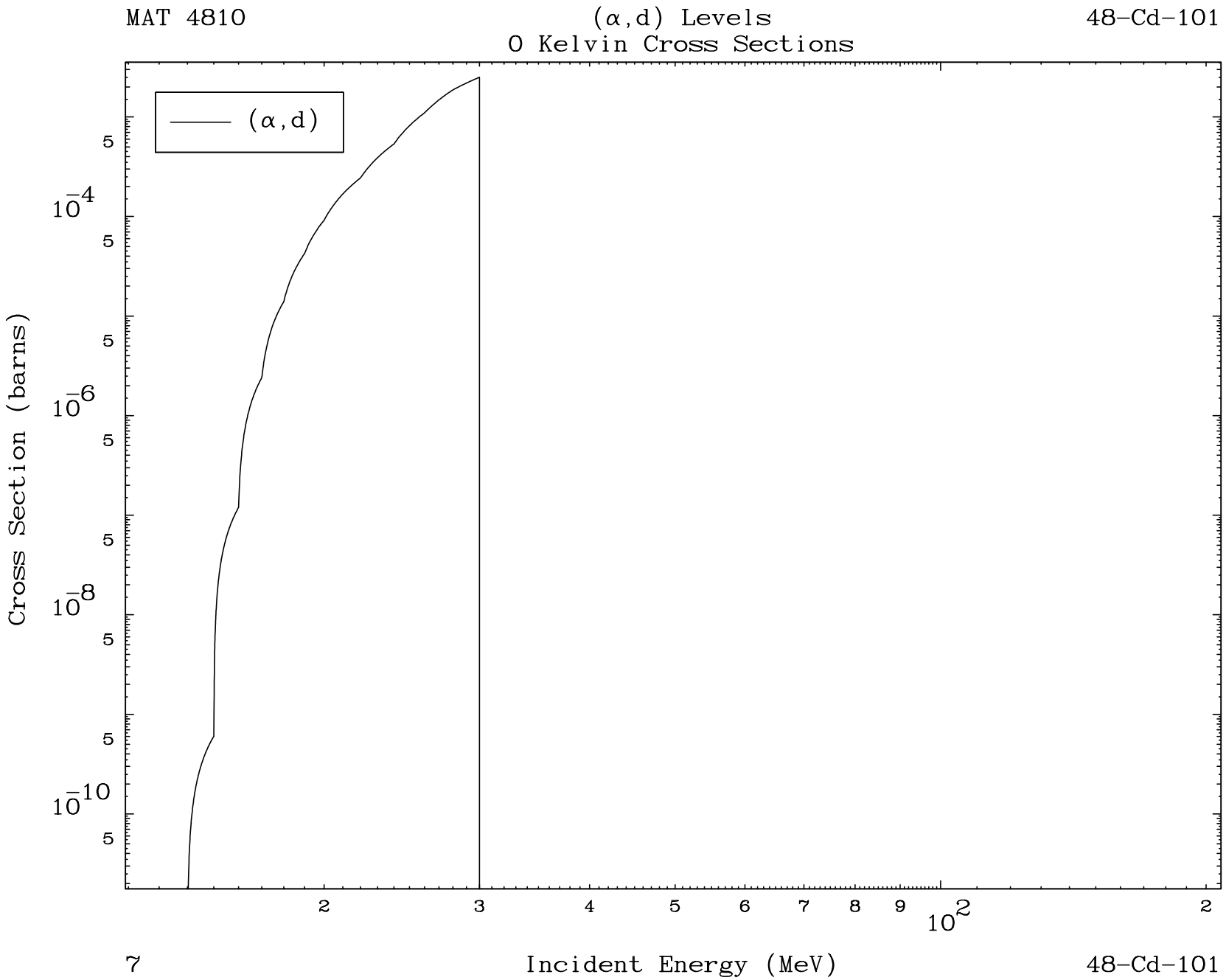

MAT 4810
α Neutron Production
0 Kelvin Cross Sections
48-Cd-101
(α,2n)
(α,n') α
(α,n') p
(α,n') 2α
(α,n') d
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
48-Cd-101


MAT 4810
α Charged Particle
0 Kelvin Cross Sections
48-Cd-101
(α,n') α
(α,n') p
(α,n') 2α
(α,n') d
(α,2n) p
(α,p)
(α,d)
Cross Section (barns)
Incident Energy (MeV)
3
48-Cd-101

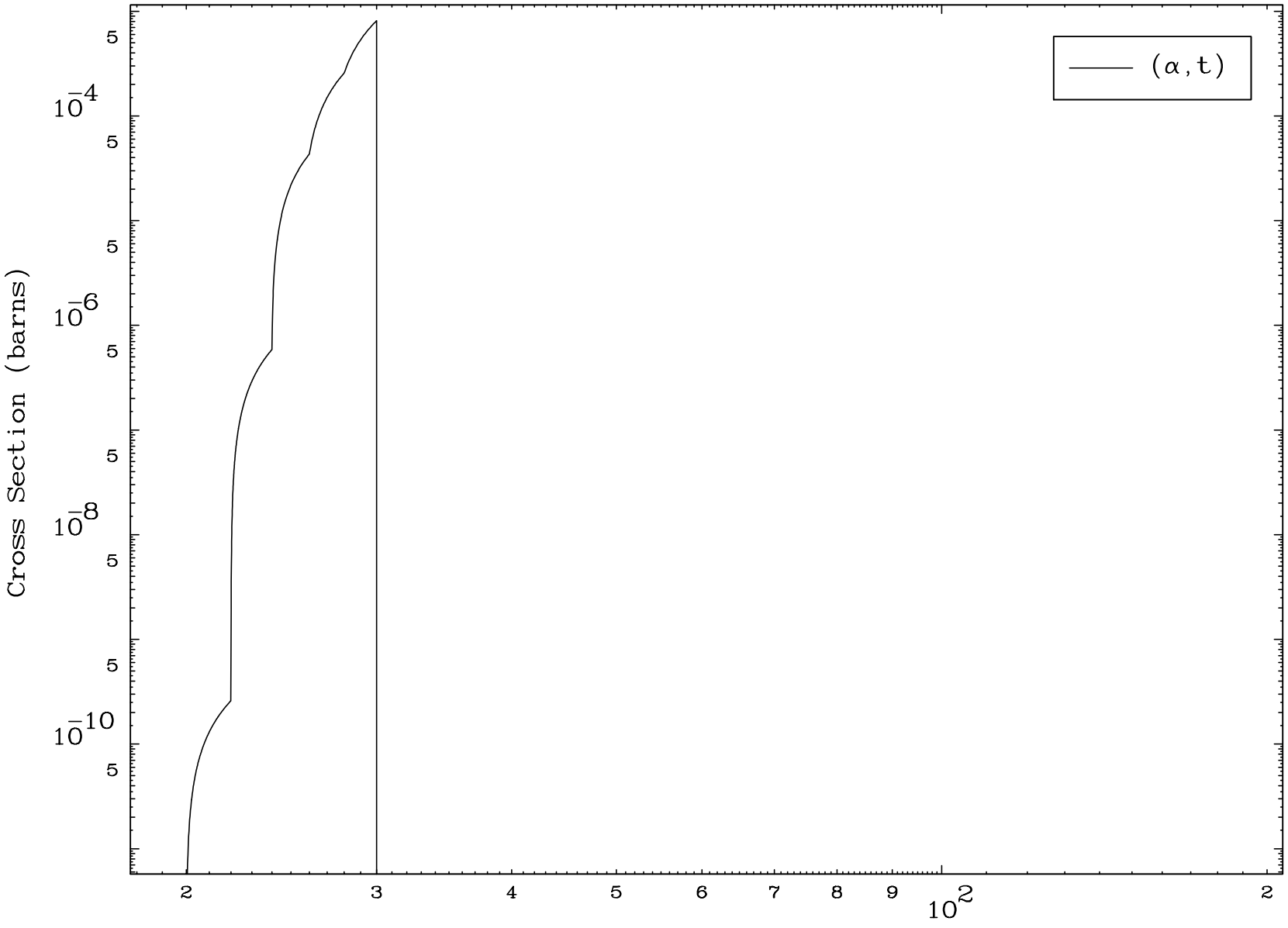

MAT 4810
α Charged Particle
0 Kelvin Cross Sections
48-Cd-101
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
48-Cd-101

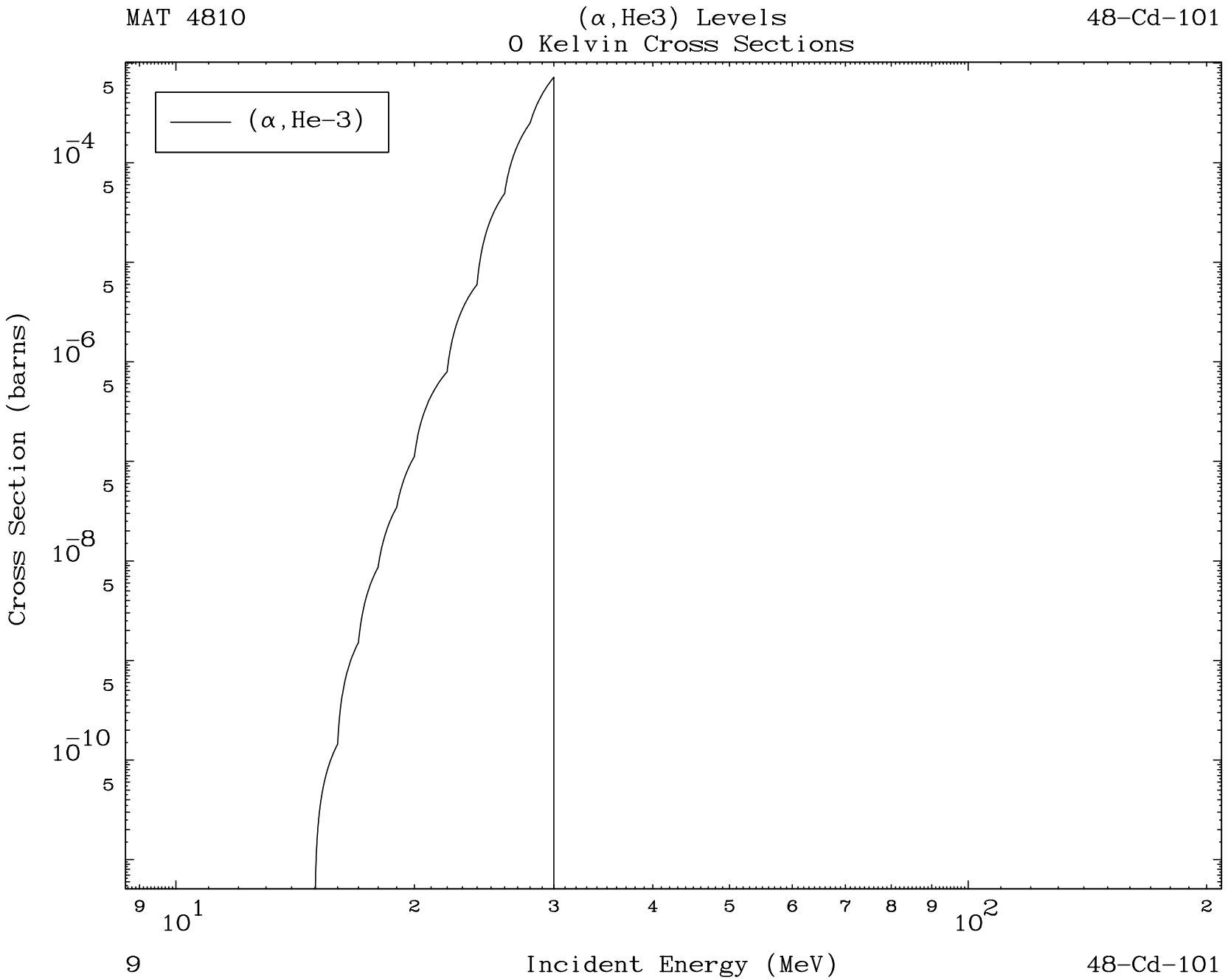

MAT 4810
(α,n') Level
48-Cd-101
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
8
6
4
2
10-3
8
6
4
2
10-4
8
6
10 1
2
3
4
5
6
7
8
9
10 2
2
5
Incident Energy (MeV)
48-Cd-101

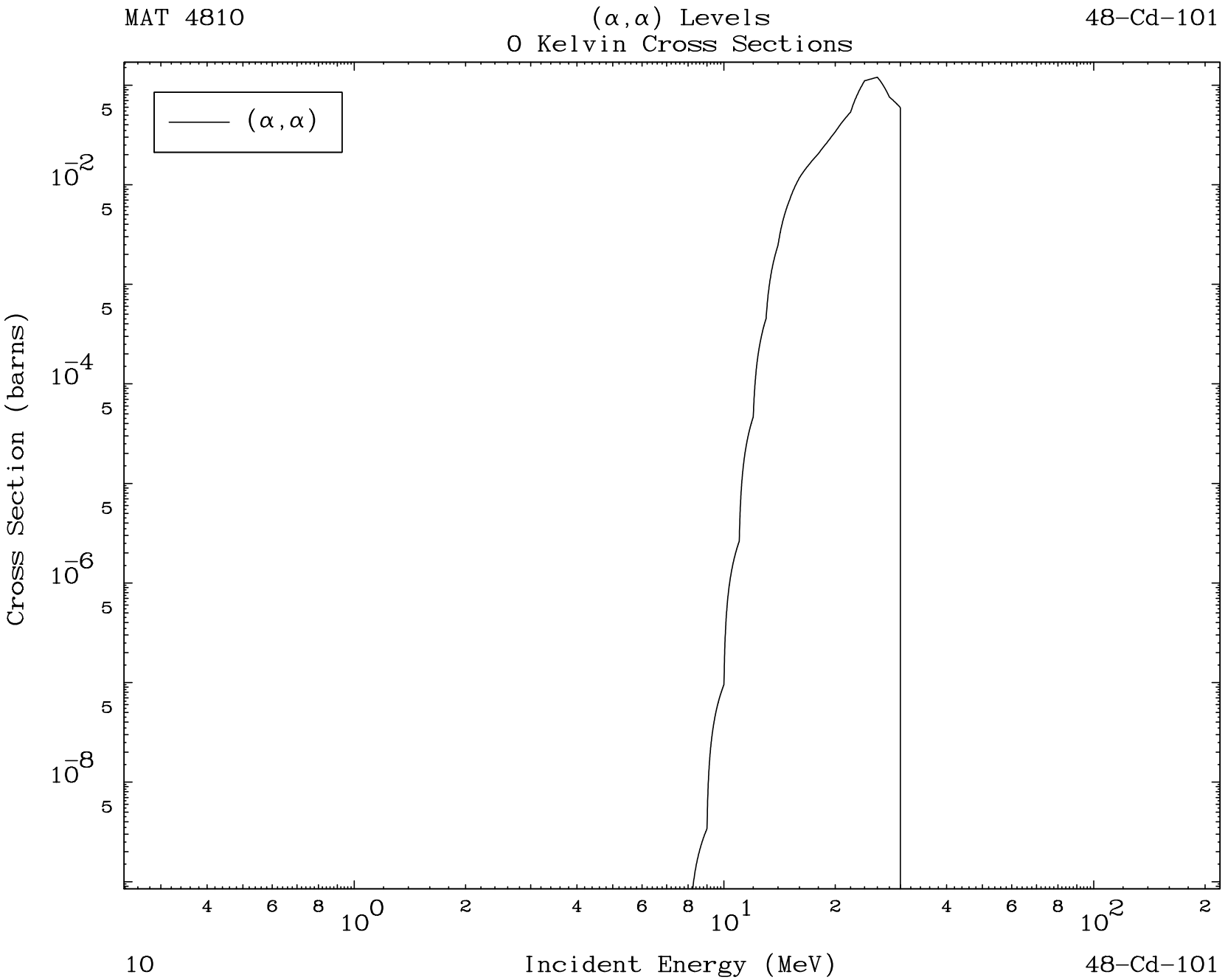

MAT 4810
(α,p) Levels
0 Kelvin Cross Sections
48-Cd-101
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
48-Cd-101

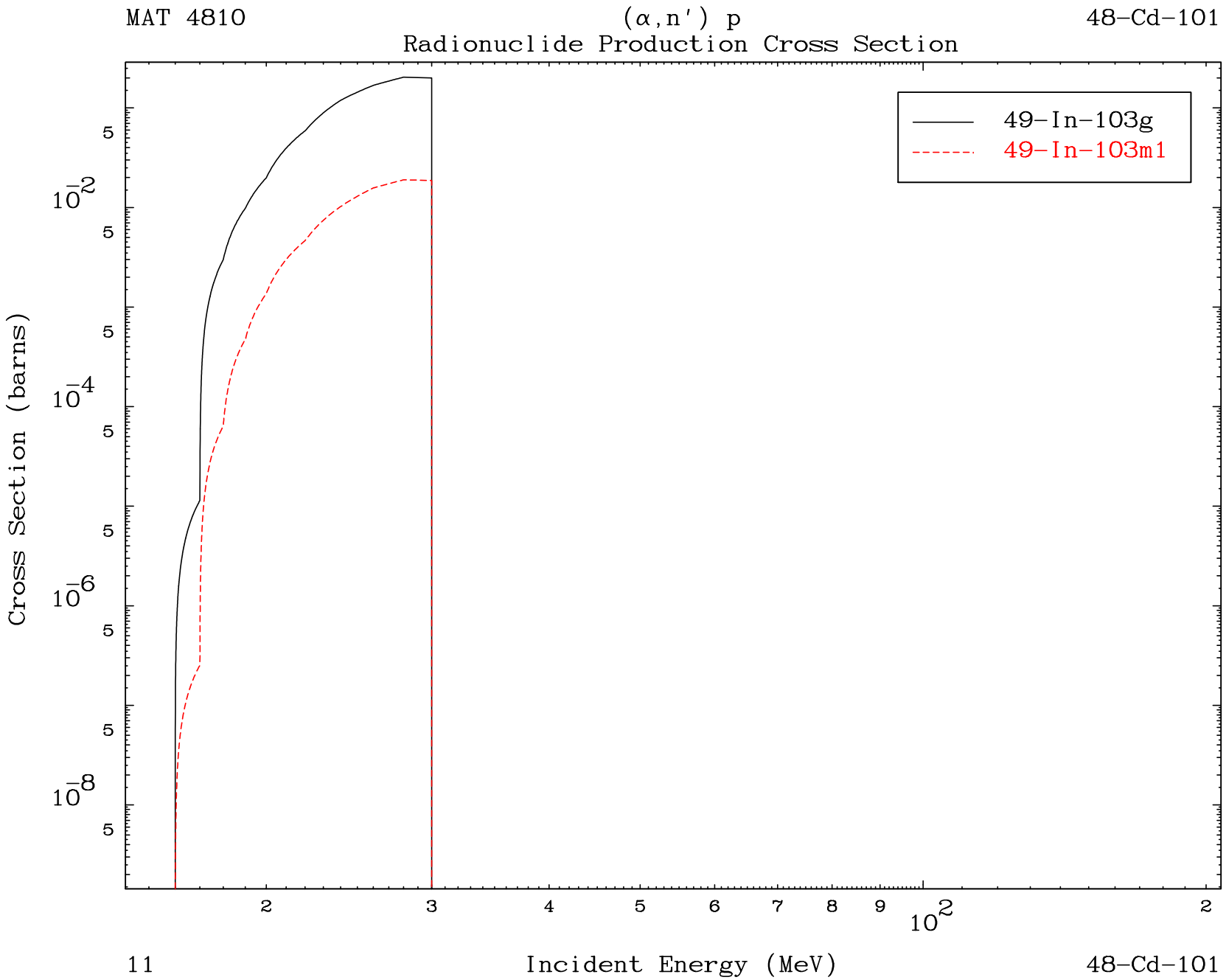

MAT 4810
(α,d) Levels
48-Cd-101
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
48-Cd-101

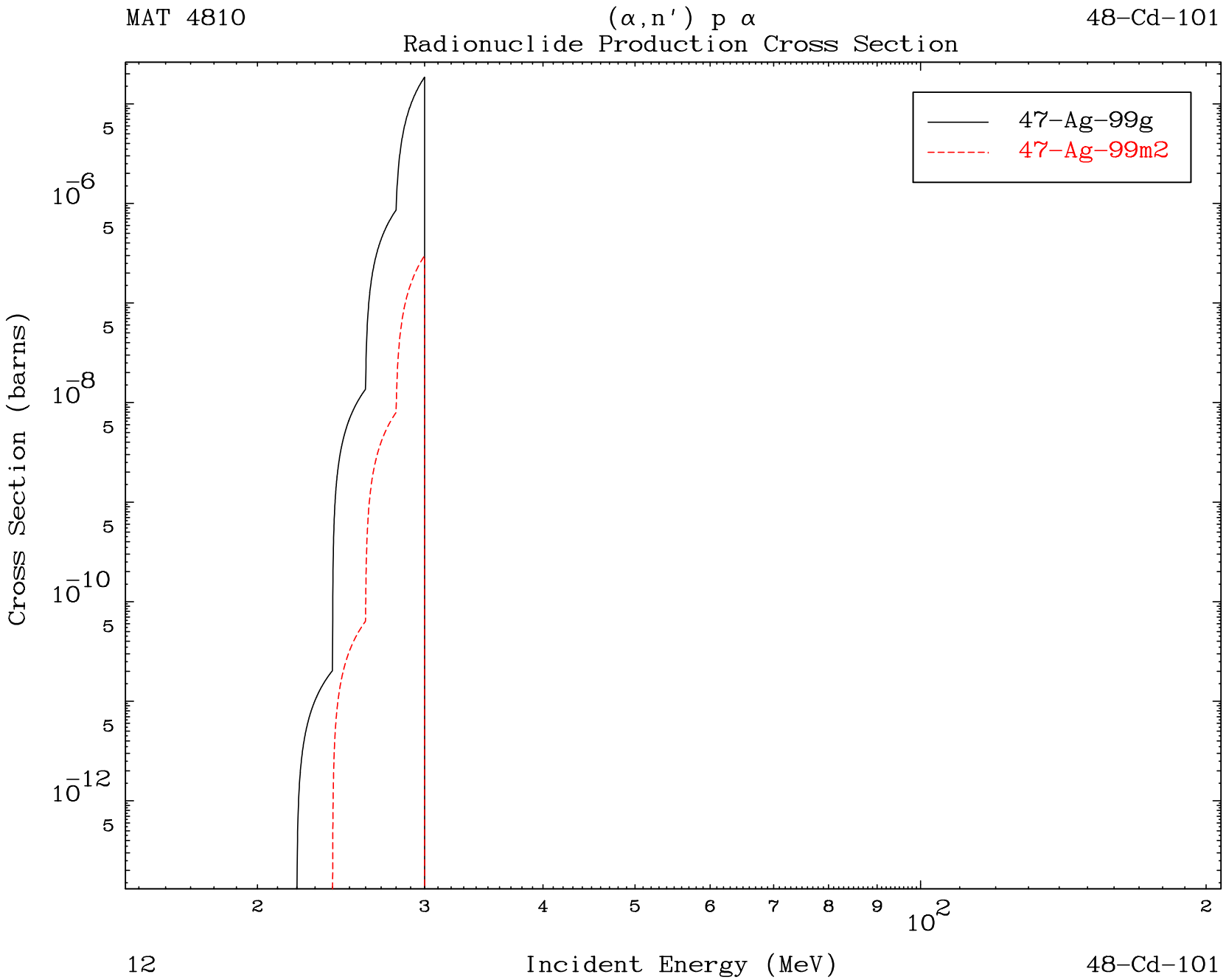
0 Kelvin Cross Sections

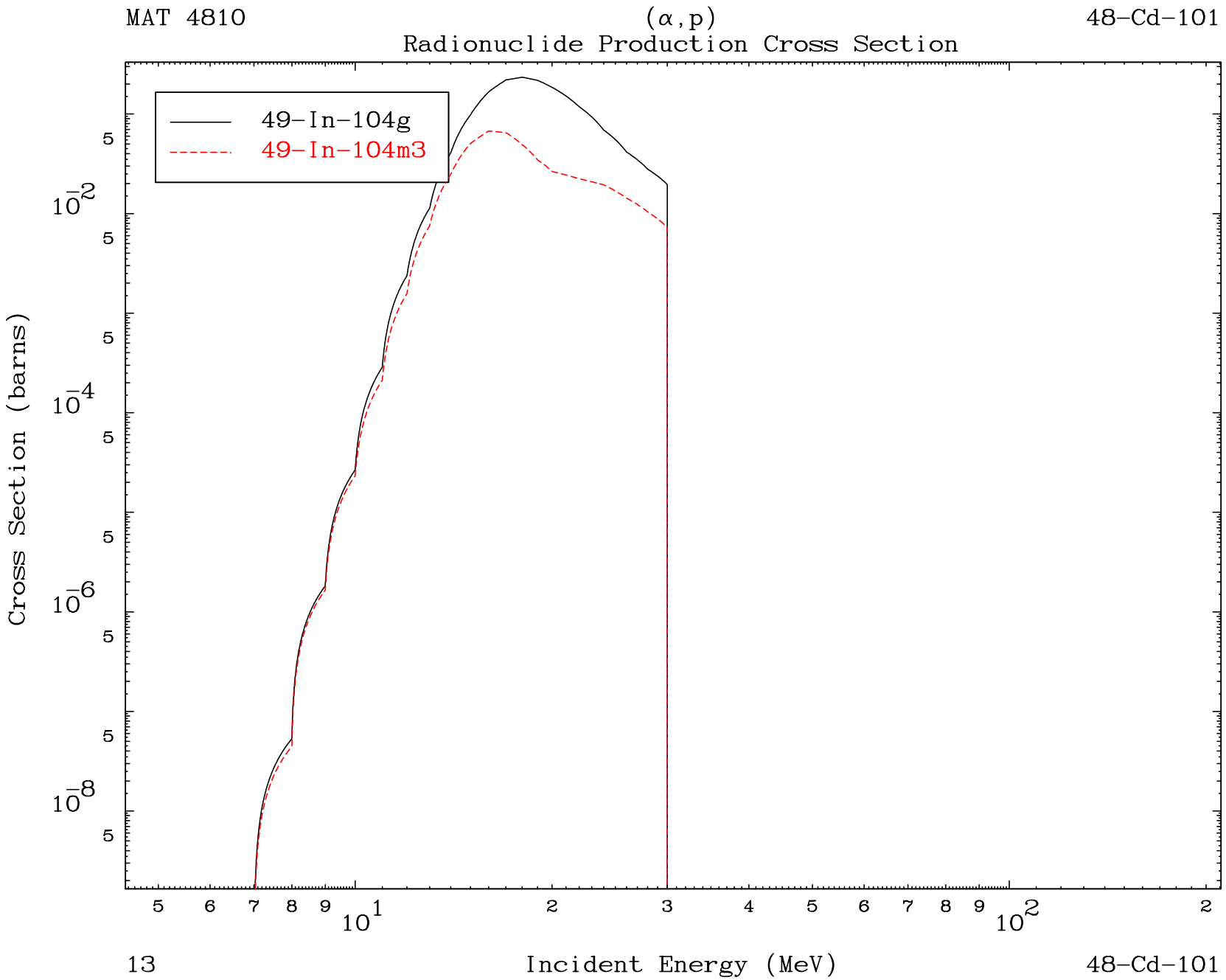


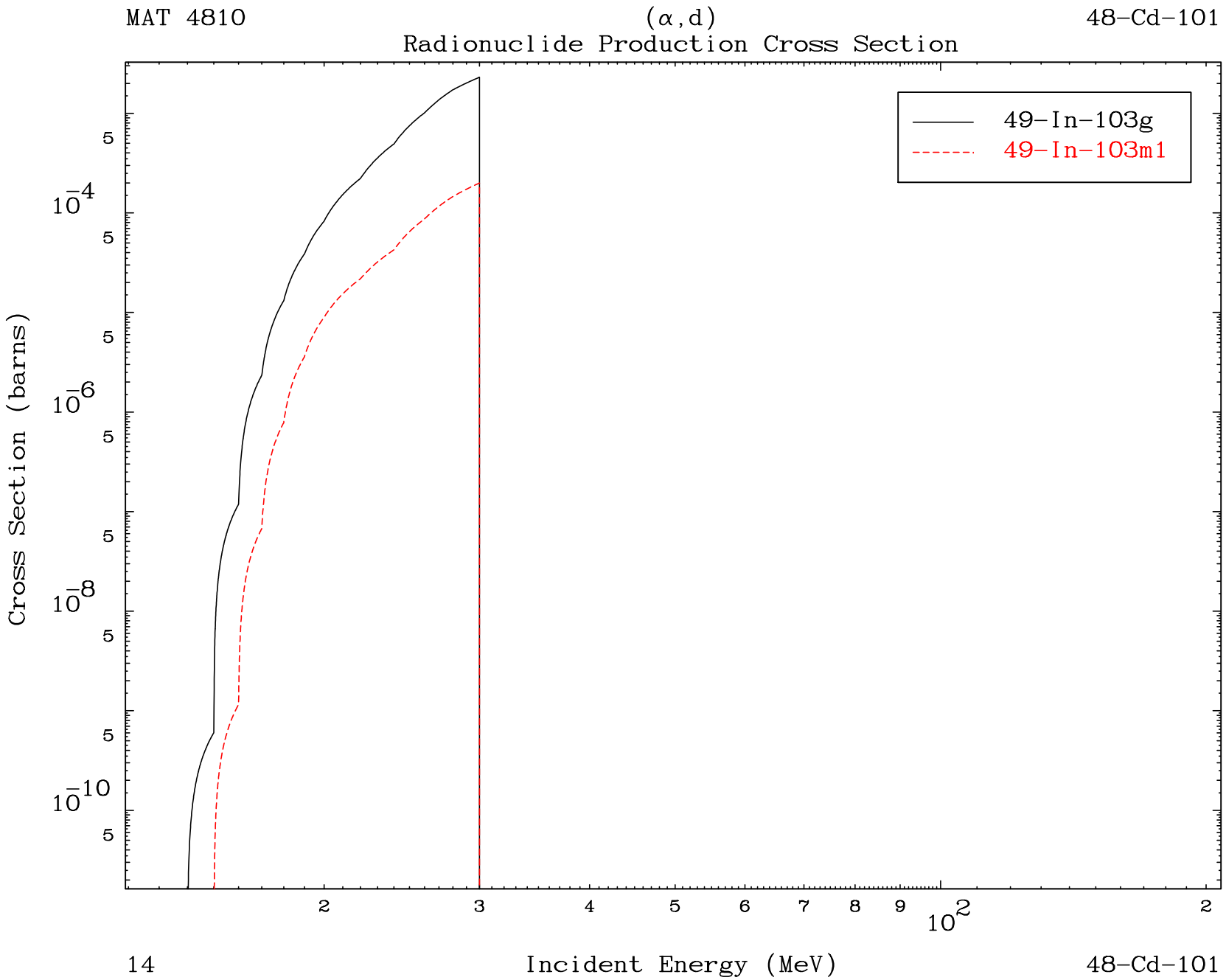

MAT 4810
(α,He3) Levels
48-Cd-101
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10 1
10 2
48-Cd-101

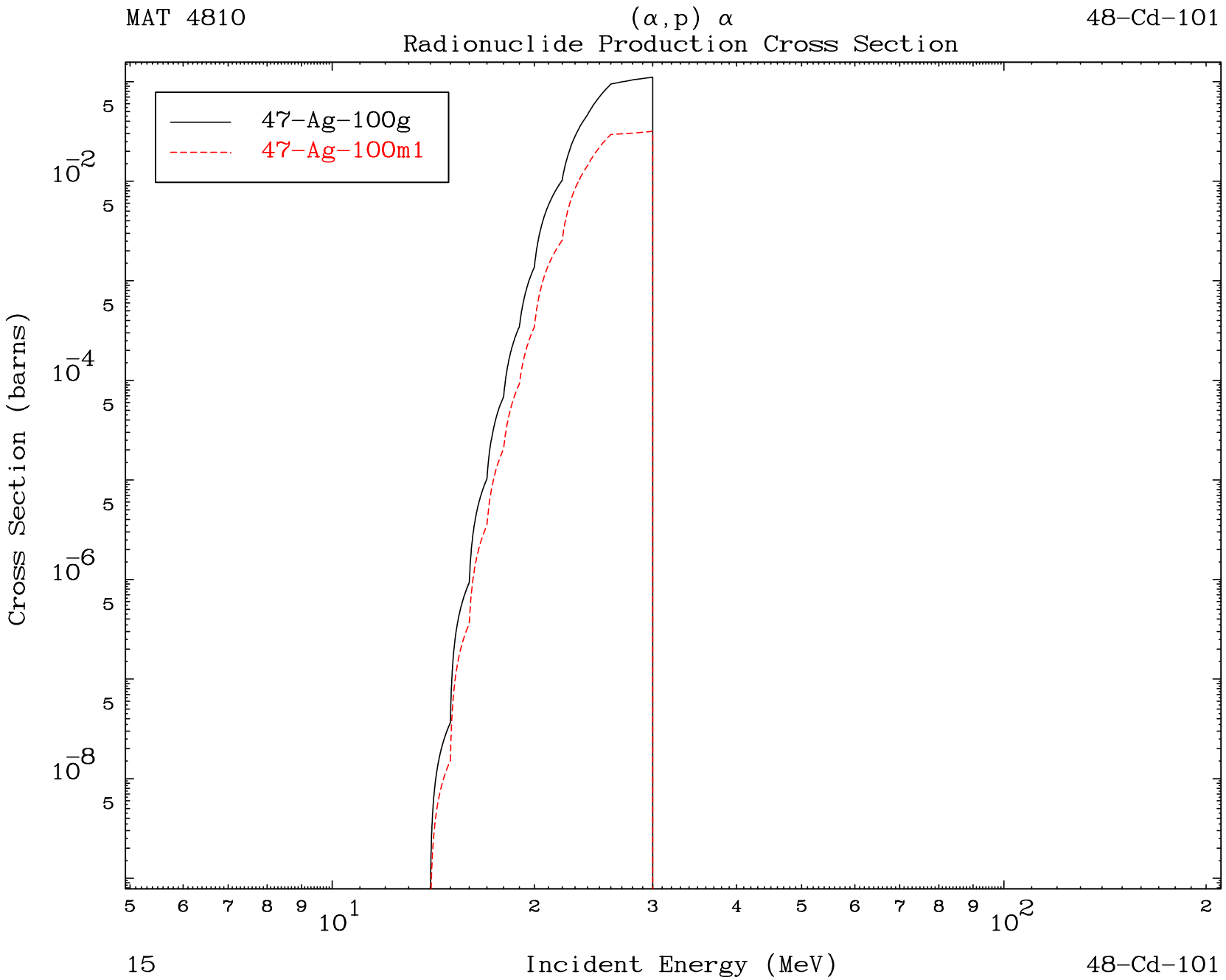

MAT 4810
(α,α) Levels
48-Cd-101
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
48-Cd-101

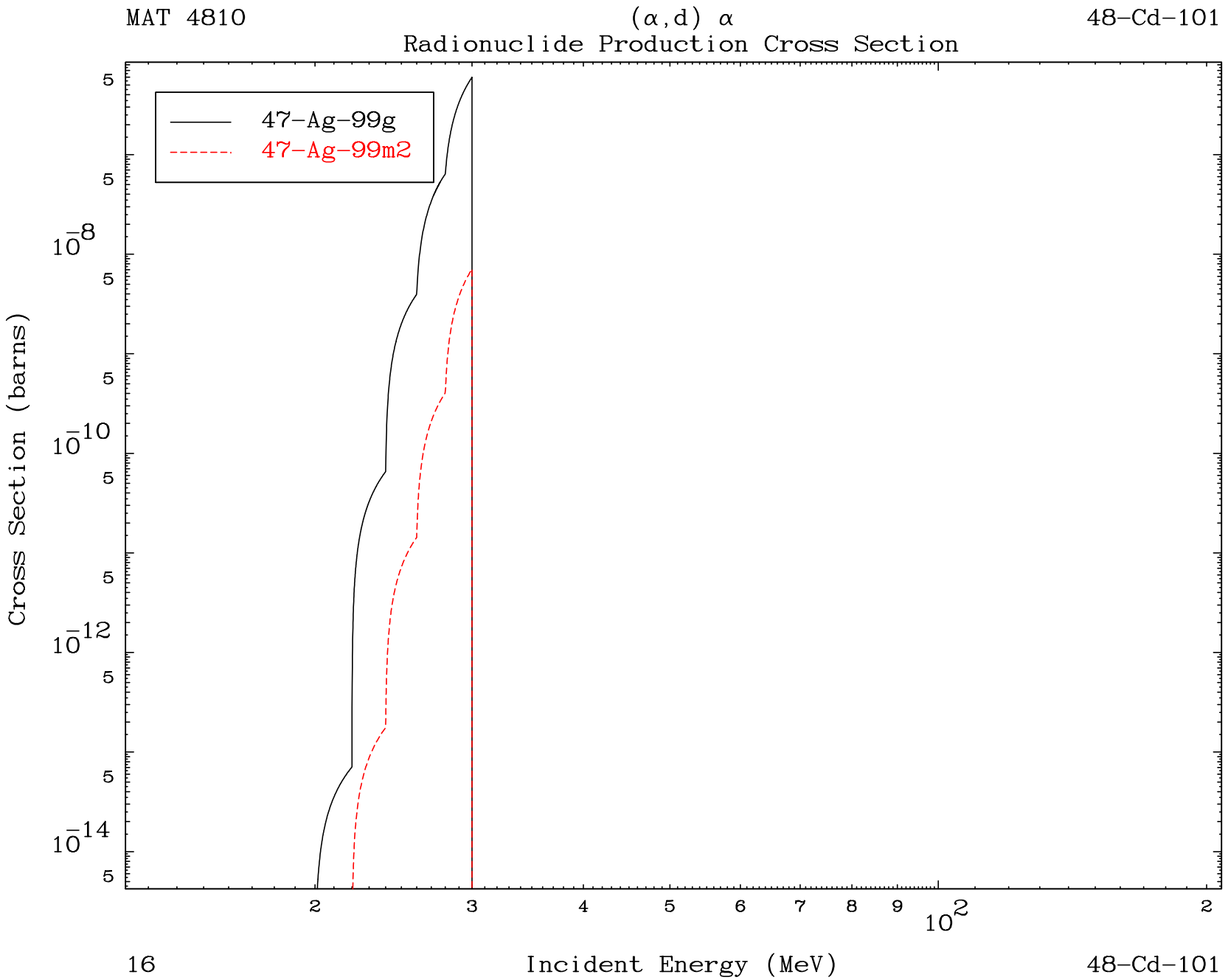

MAT 4810
(α,n') p
48-Cd-101
Radionuclide Production Cross Section
49-In-103g
49-In-103m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
48-Cd-101


MAT 4810
(α,n') p α
48-Cd-101
Radionuclide Production Cross Section
47-Ag-99g
47-Ag-99m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
48-Cd-101


MAT 4810
(α,p)
48-Cd-101
Radionuclide Production Cross Section
49-In-104g
49-In-104m3
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-101


MAT 4810
(α,d)
48-Cd-101
Radionuclide Production Cross Section
49-In-103g
49-In-103m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
48-Cd-101


MAT 4810
(α,p) α
48-Cd-101
Radionuclide Production Cross Section
47-Ag-100g
47-Ag-100m1
Cross Section (barns)
Incident Energy (MeV)
15
48-Cd-101


MAT 4810
(α,d) α
48-Cd-101
Radionuclide Production Cross Section
47-Ag-99g
47-Ag-99m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
16
Incident Energy (MeV)
48-Cd-101