Program EVALPLOT
(Version 2017-1)
by
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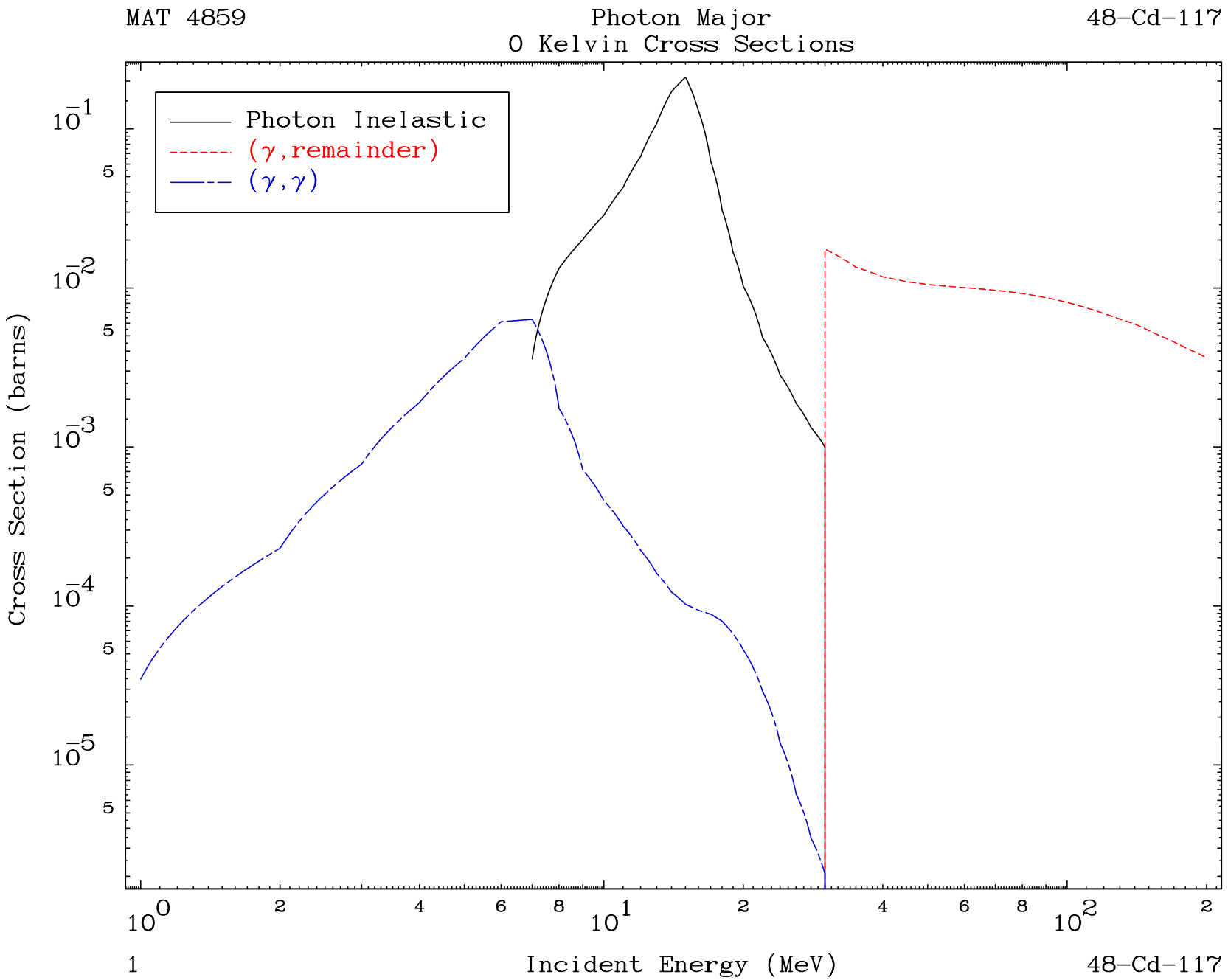
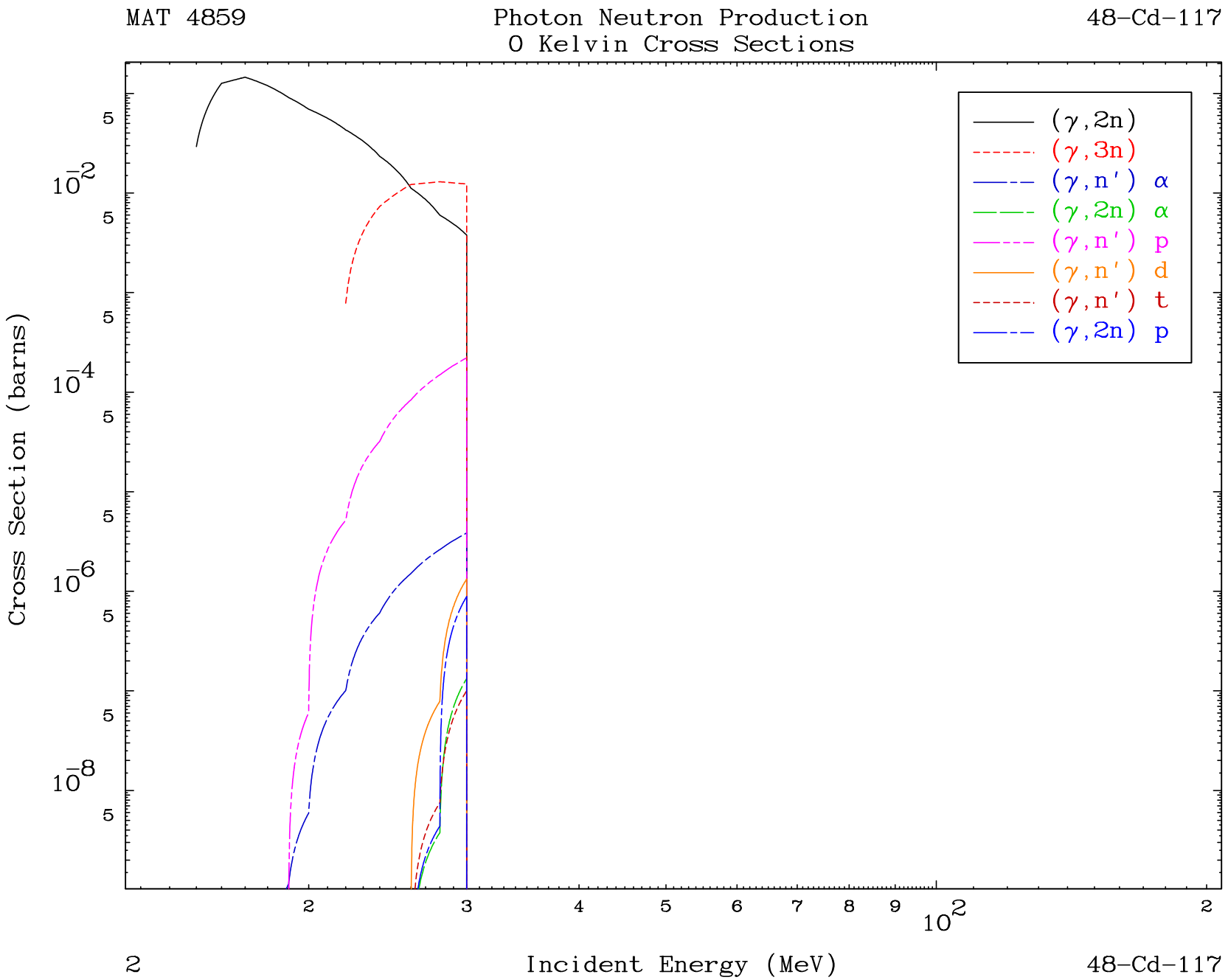
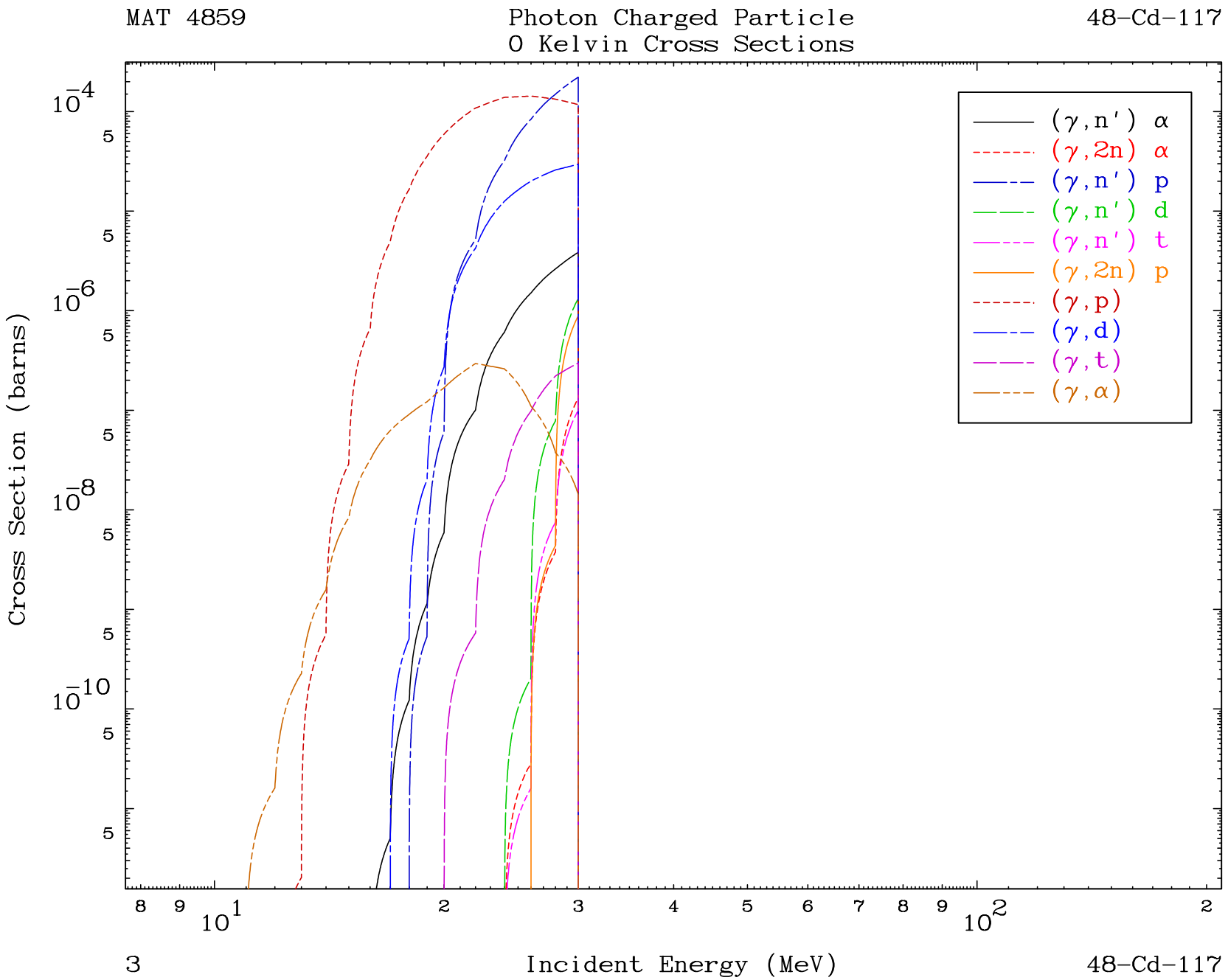
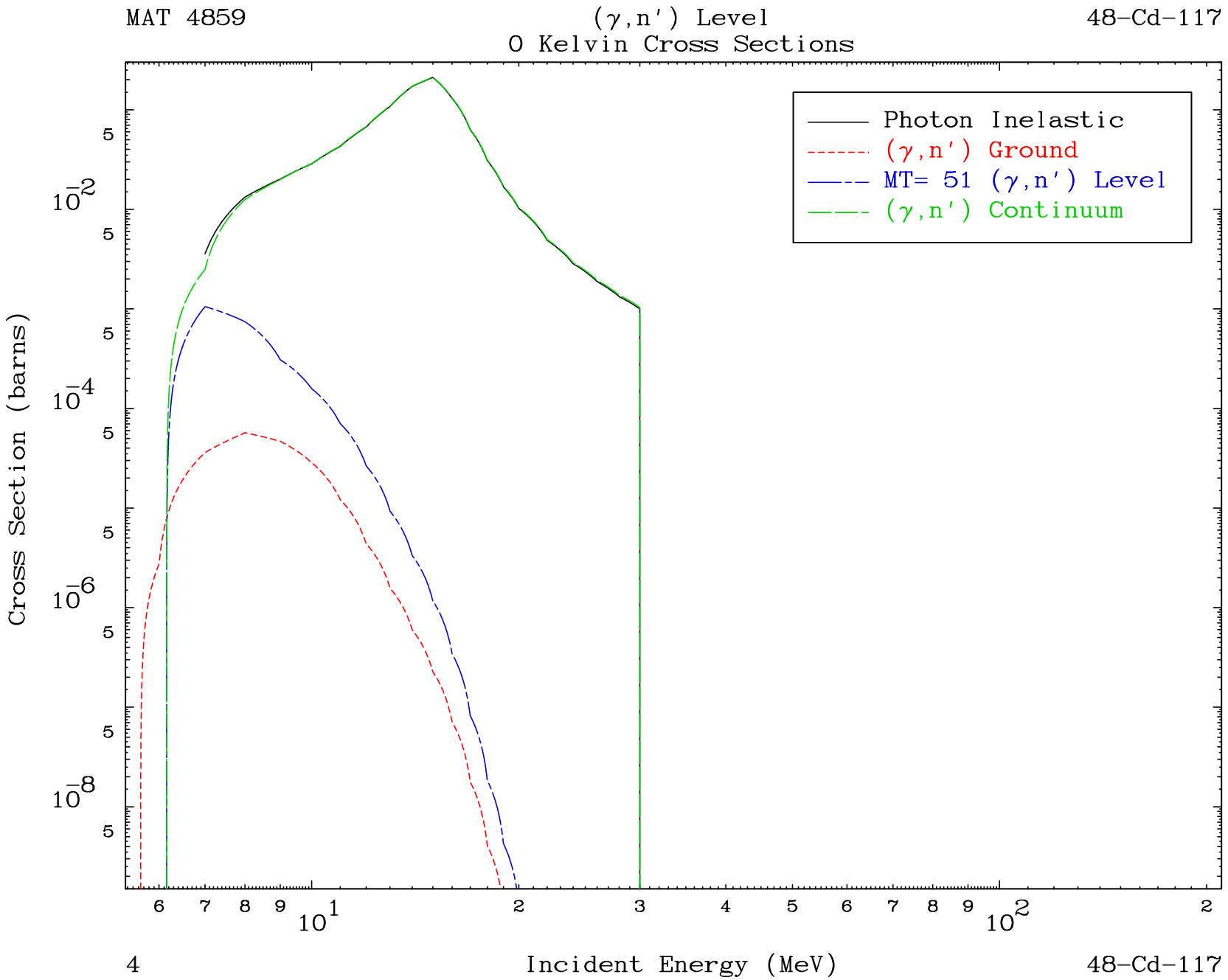
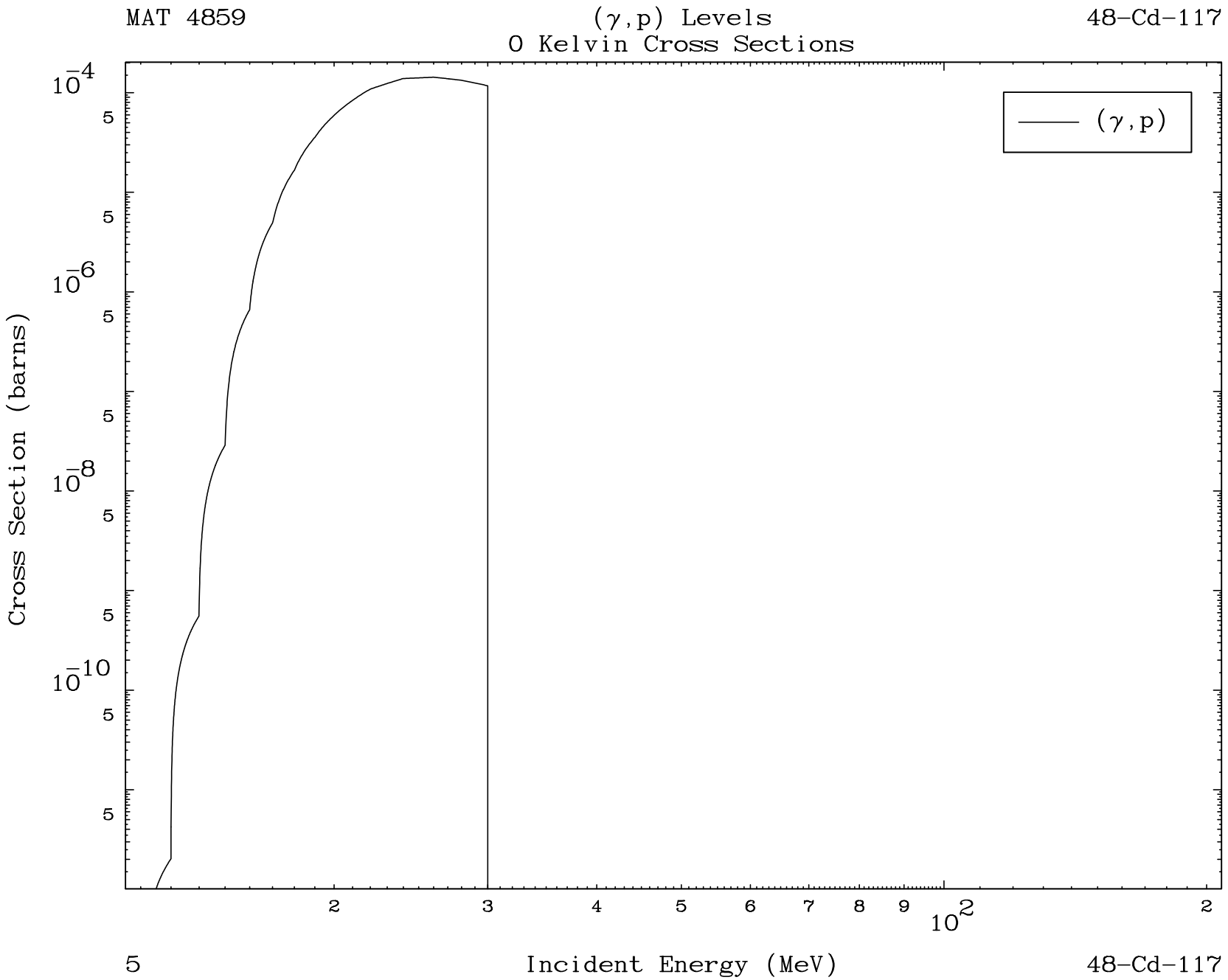
Press Mouse Button to Start

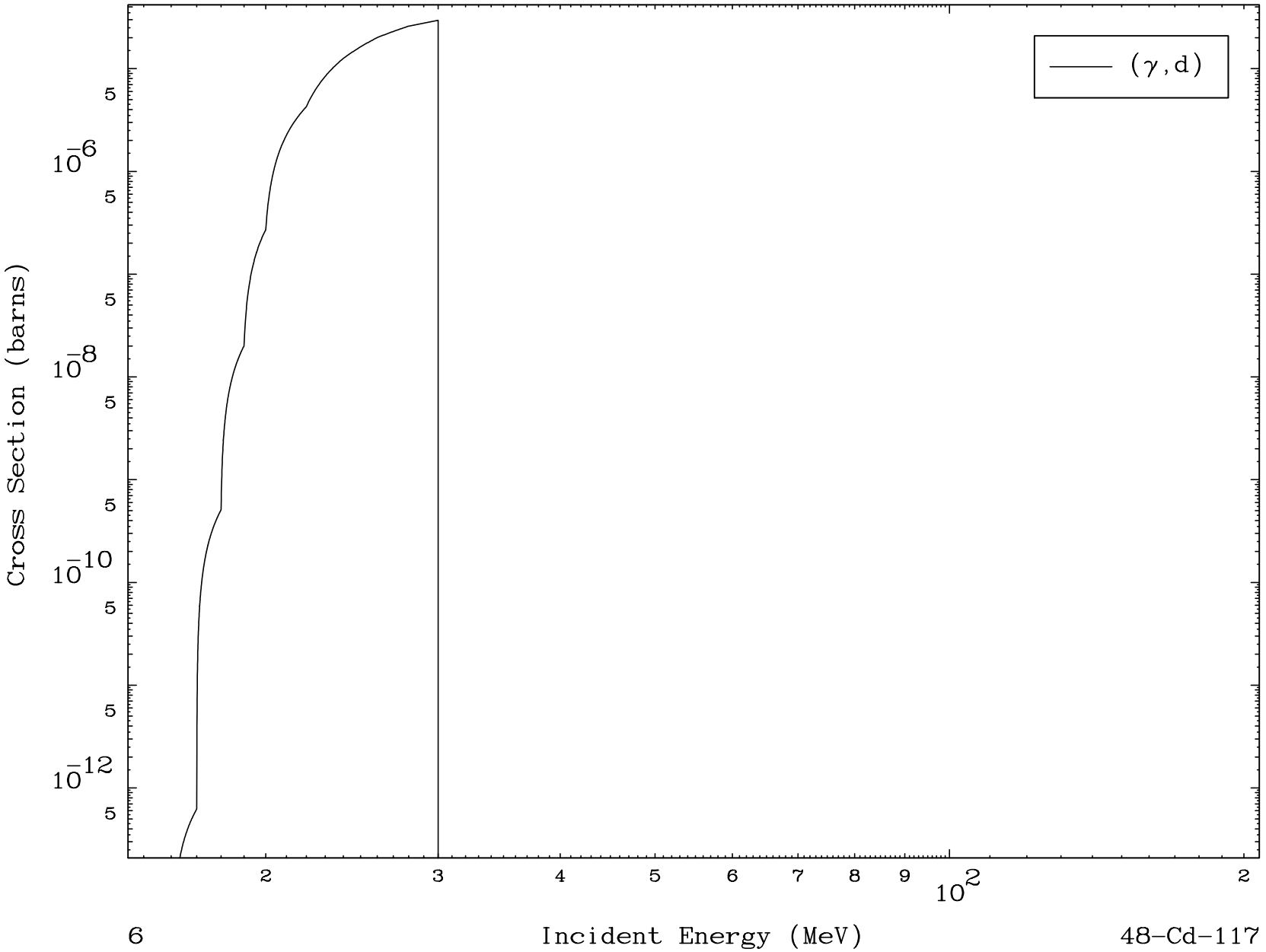

MAT 4859
Photon Major
48-Cd-117
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
48-Cd-117

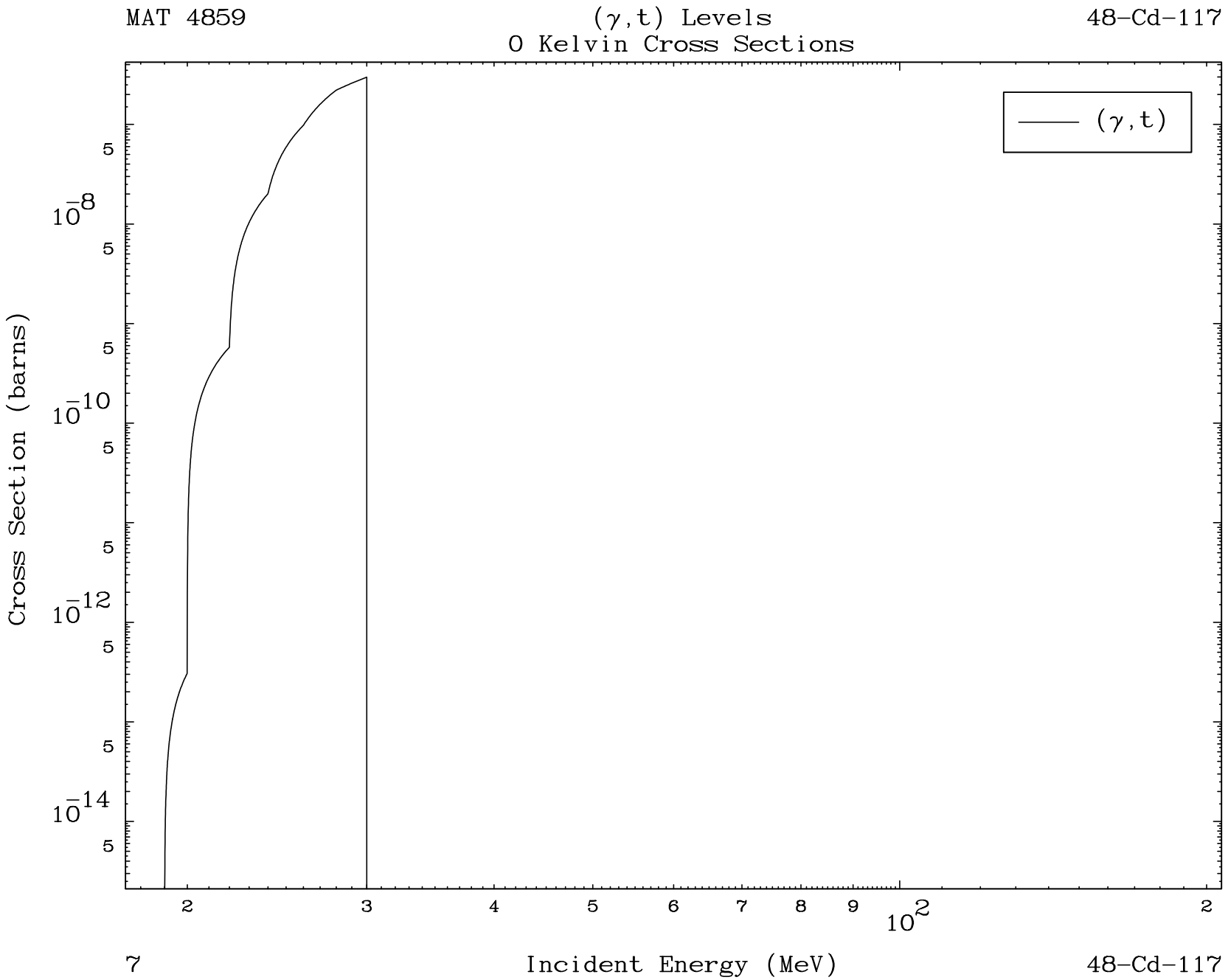

MAT 4859
Photon Neutron Production
0 Kelvin Cross Sections
48-Cd-117
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
48-Cd-117

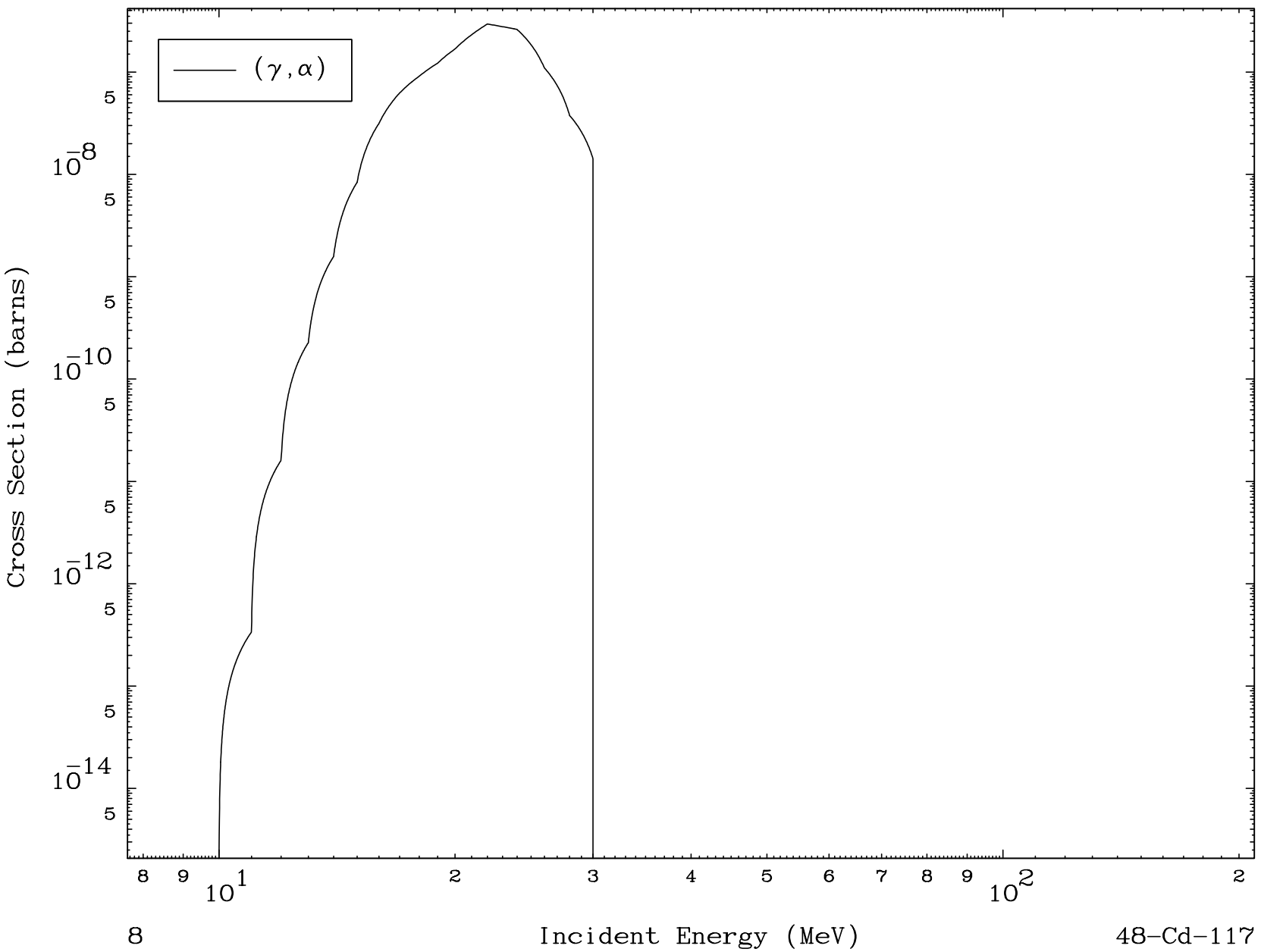

MAT 4859
Photon Charged Particle
0 Kelvin Cross Sections
48-Cd-117
Cross Section (barns)
Incident Energy (MeV)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
3
48-Cd-117

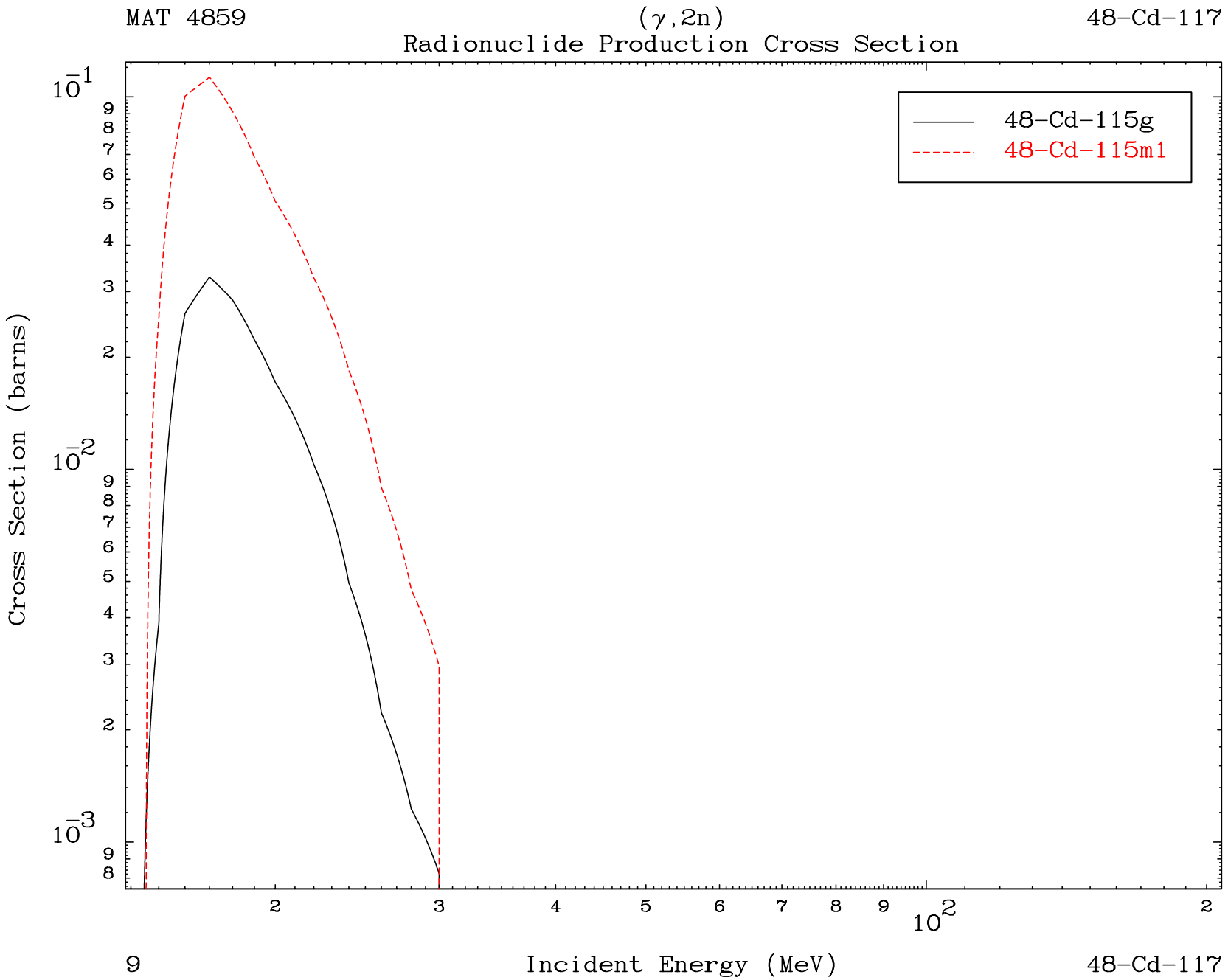

MAT 4859
(γ,n') Level
48-Cd-117
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
4
48-Cd-117

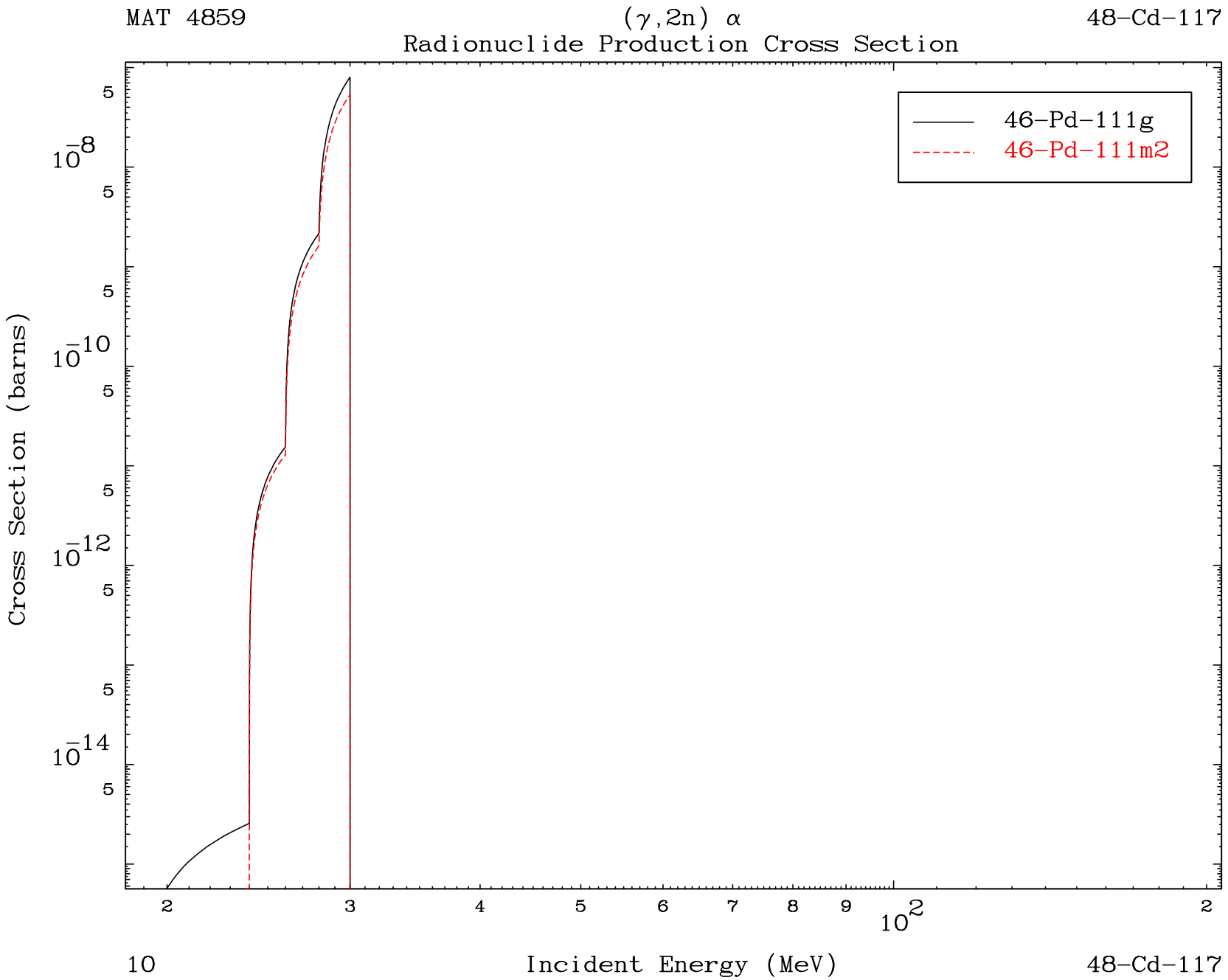

MAT 4859
(γ,p) Levels
48-Cd-117
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
5
2
3
4
5
6
7
8
9
10 2
2
5
Incident Energy (MeV)
48-Cd-117

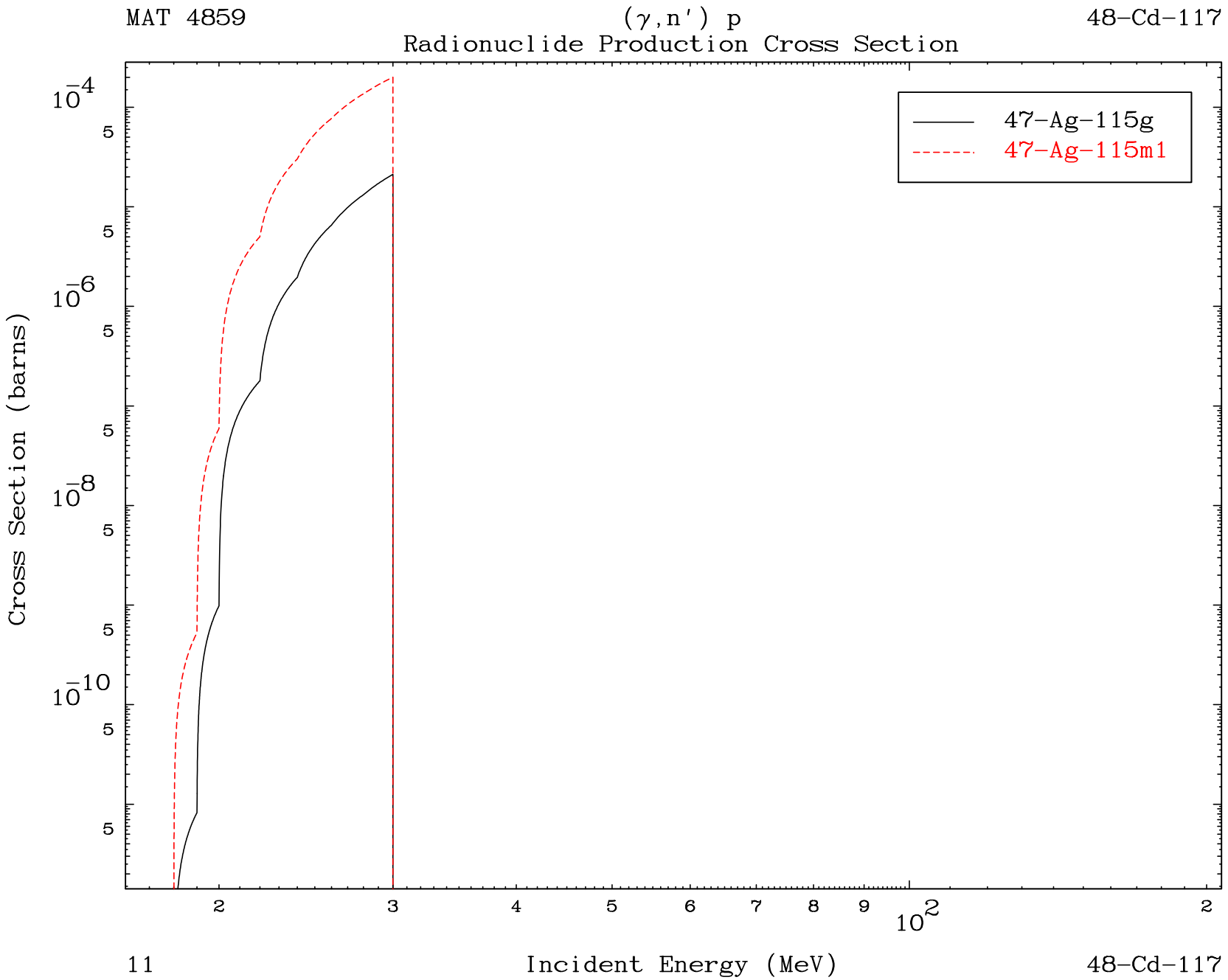

0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

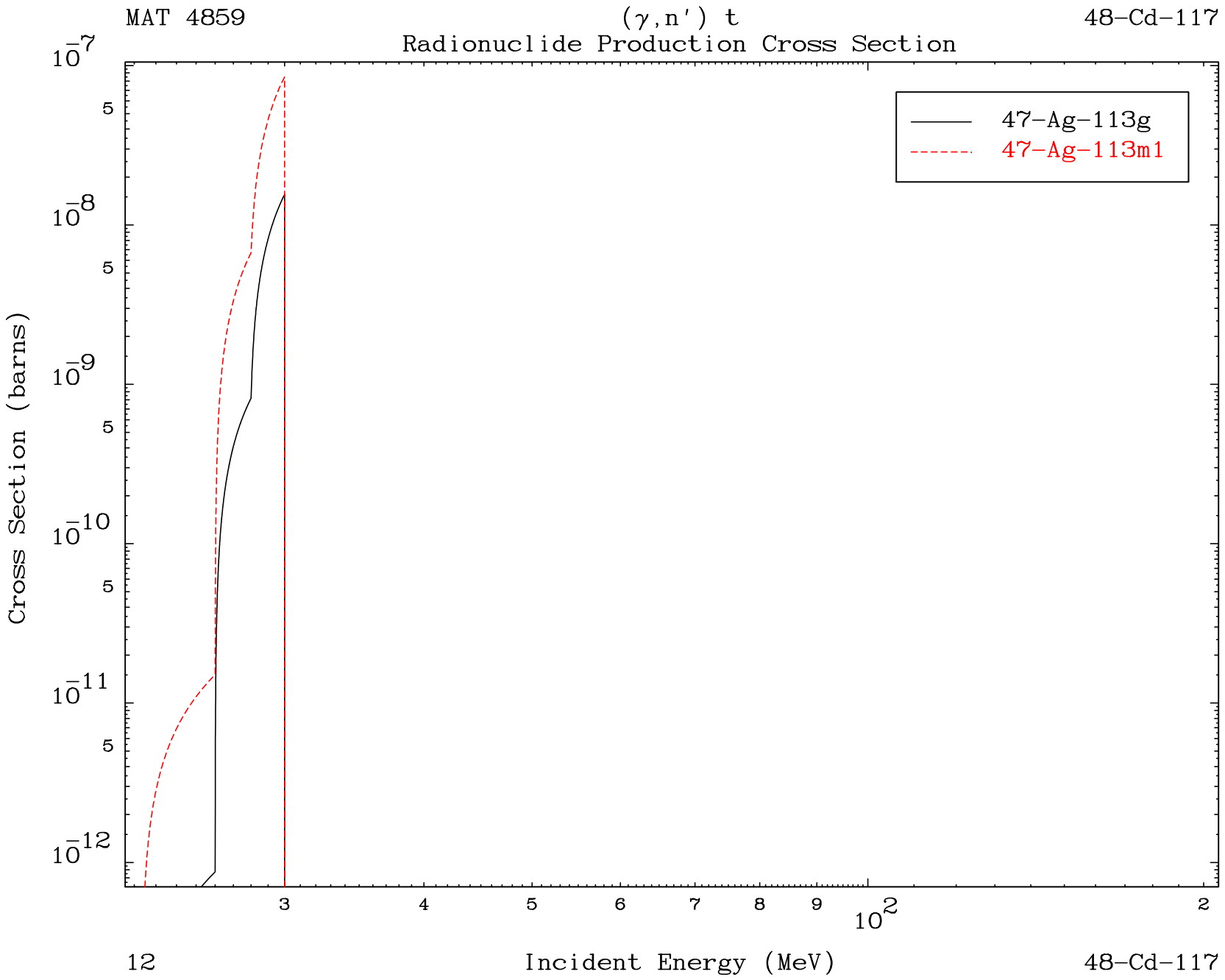

MAT 4859
(γ,t) Levels
48-Cd-117
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
48-Cd-117

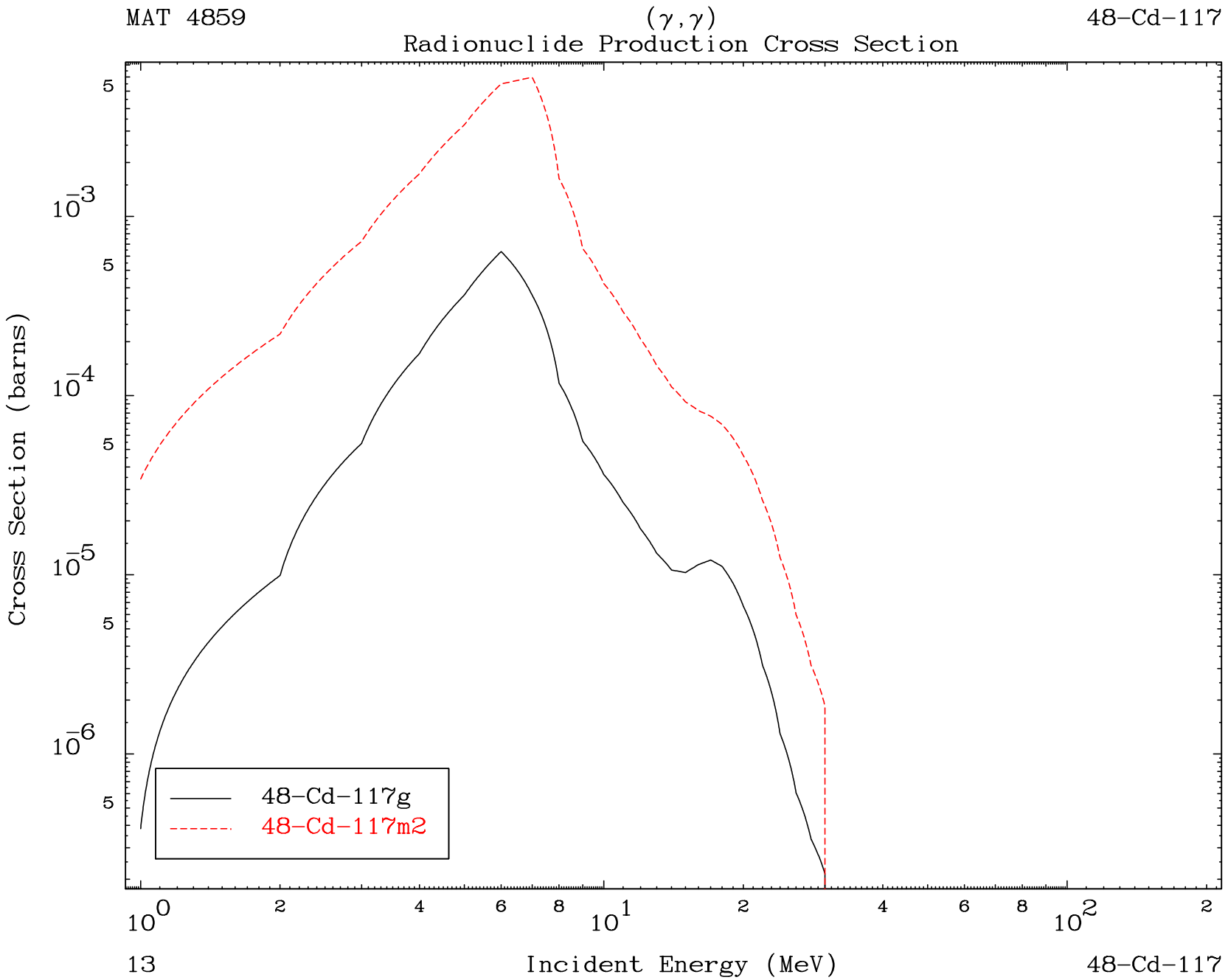

0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)

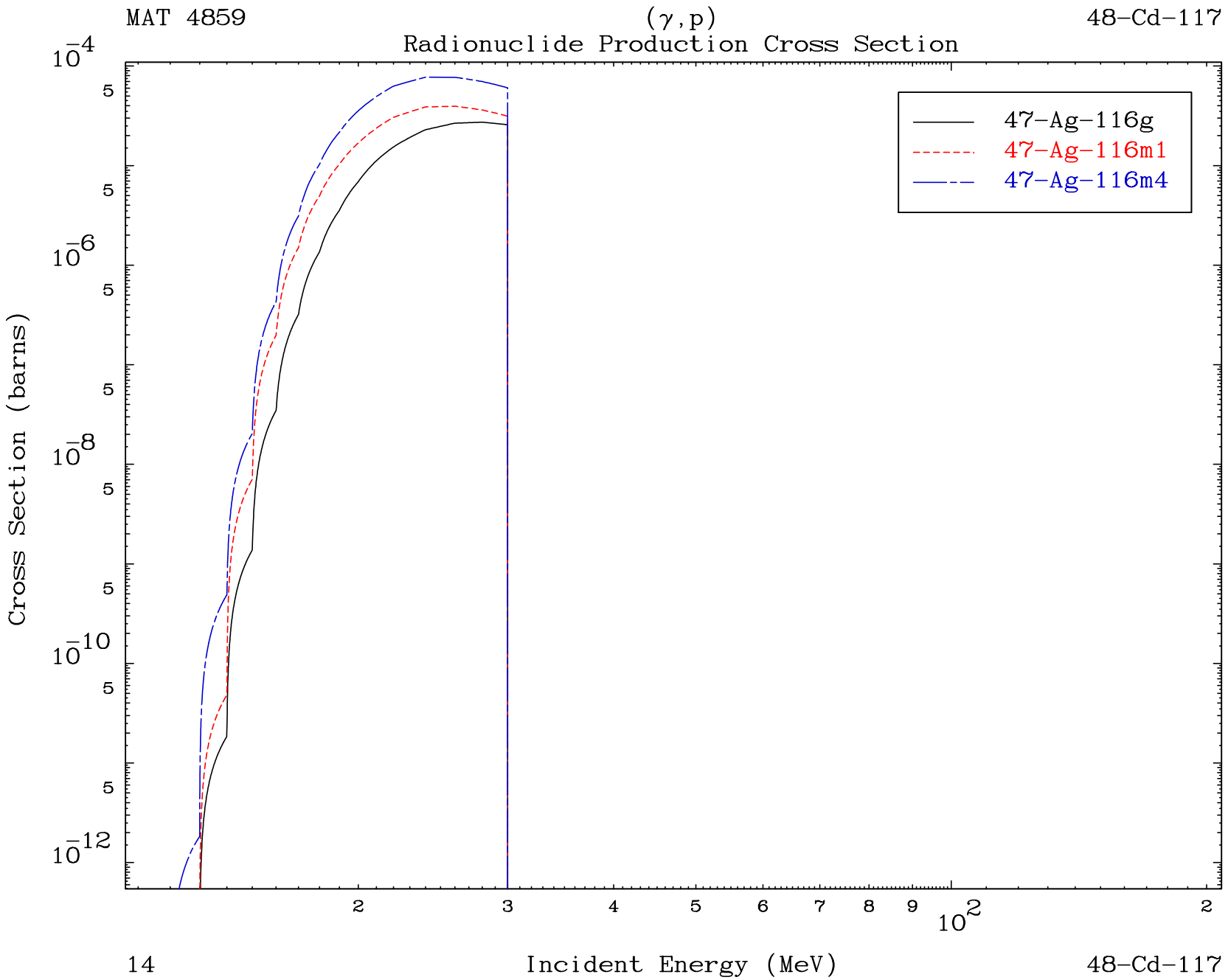

MAT 4859
(γ,2n)
48-Cd-117
Radionuclide Production Cross Section
48-Cd-115g
48-Cd-115m1
Cross Section (barns)
Incident Energy (MeV)
48-Cd-117

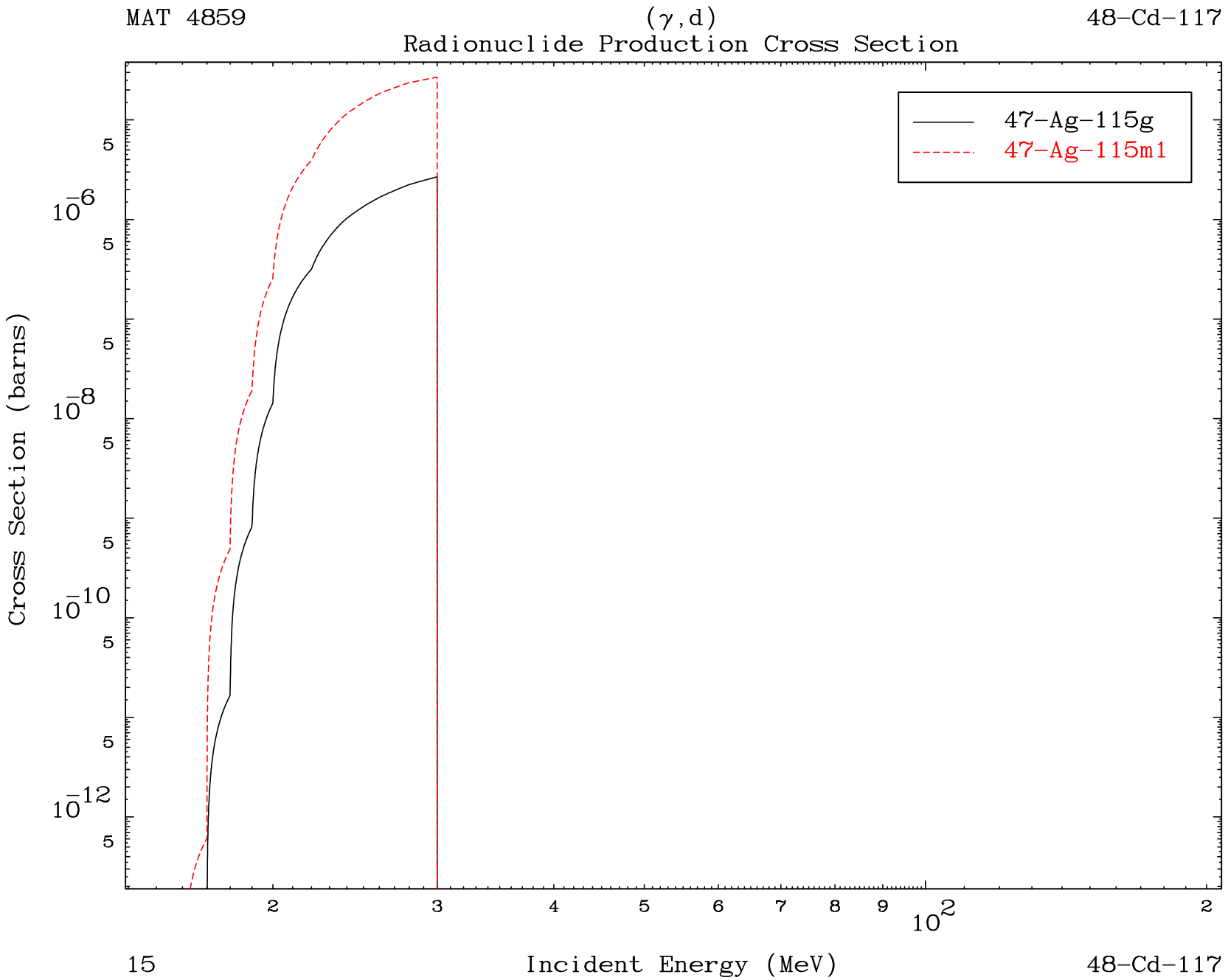

MAT 4859
(γ,2n) α
48-Cd-117
Radionuclide Production Cross Section
46-Pd-111g
46-Pd-111m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
48-Cd-117

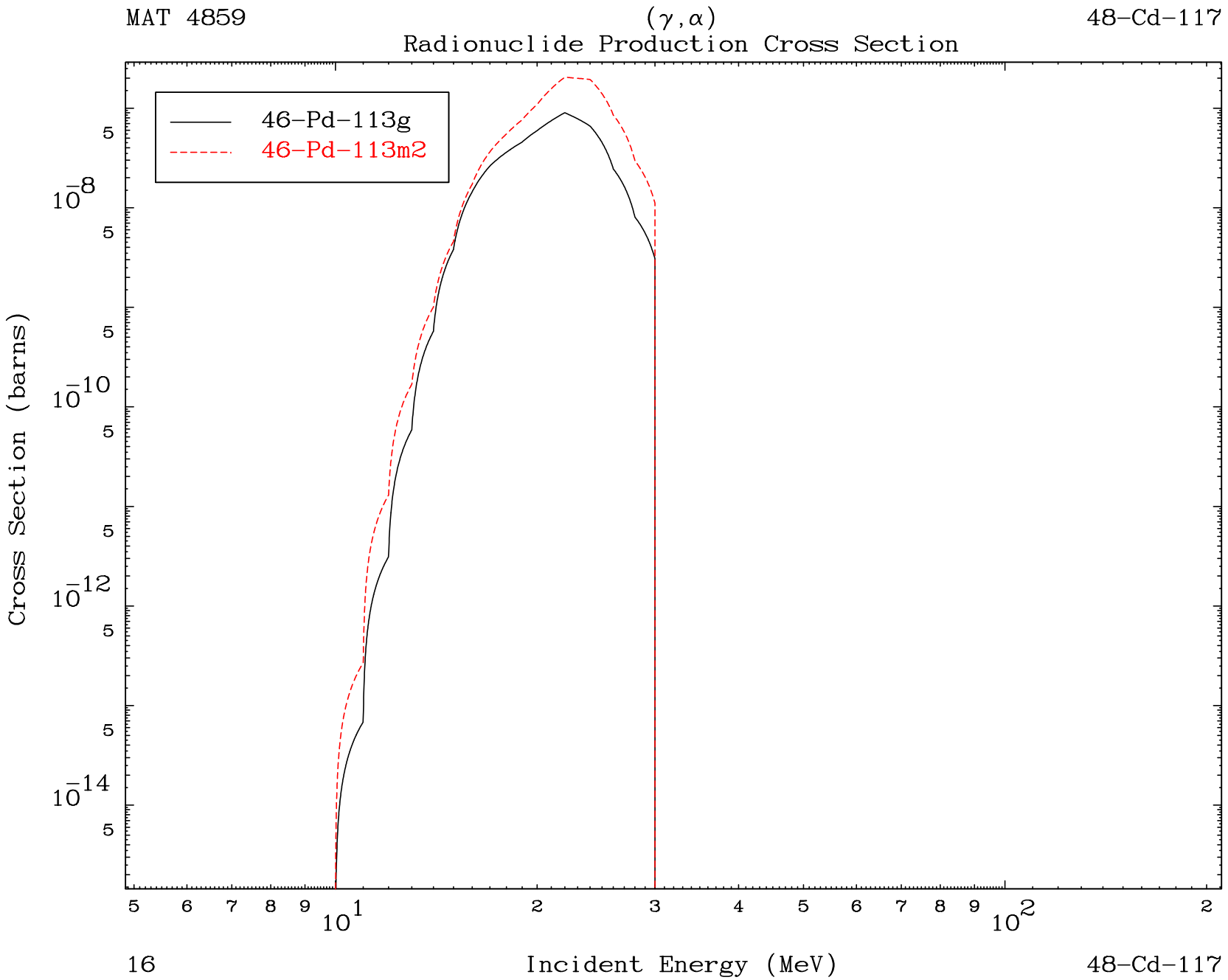

MAT 4859
(γ,n') p
48-Cd-117
Radionuclide Production Cross Section
47-Ag-115g
47-Ag-115m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
48-Cd-117


MAT 4859
(γ,n') t
48-Cd-117
Radionuclide Production Cross Section
47-Ag-113g
47-Ag-113m1
Cross Section (barns)
10^-7
10^-8
10^-9
10^-10
10^-11
10^-12
5
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
48-Cd-117


MAT 4859
(γ,γ)
48-Cd-117
Radionuclide Production Cross Section
Cross Section (barns)
10-3
10-4
10-5
10-6
5
100
2
4
6
8
101
102
Incident Energy (MeV)
48-Cd-117g
48-Cd-117m2
13
48-Cd-117


MAT 4859
(γ,p)
48-Cd-117
Radionuclide Production Cross Section
47-Ag-116g
47-Ag-116m1
47-Ag-116m4
Cross Section (barns)
Incident Energy (MeV)
14
48-Cd-117


MAT 4859
(γ,d)
48-Cd-117
Radionuclide Production Cross Section
47-Ag-115g
47-Ag-115m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
48-Cd-117


MAT 4859
(γ,α)
48-Cd-117
Radionuclide Production Cross Section
46-Pd-113g
46-Pd-113m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
5
5
5
5
5
5
5
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
16
Incident Energy (MeV)
48-Cd-117