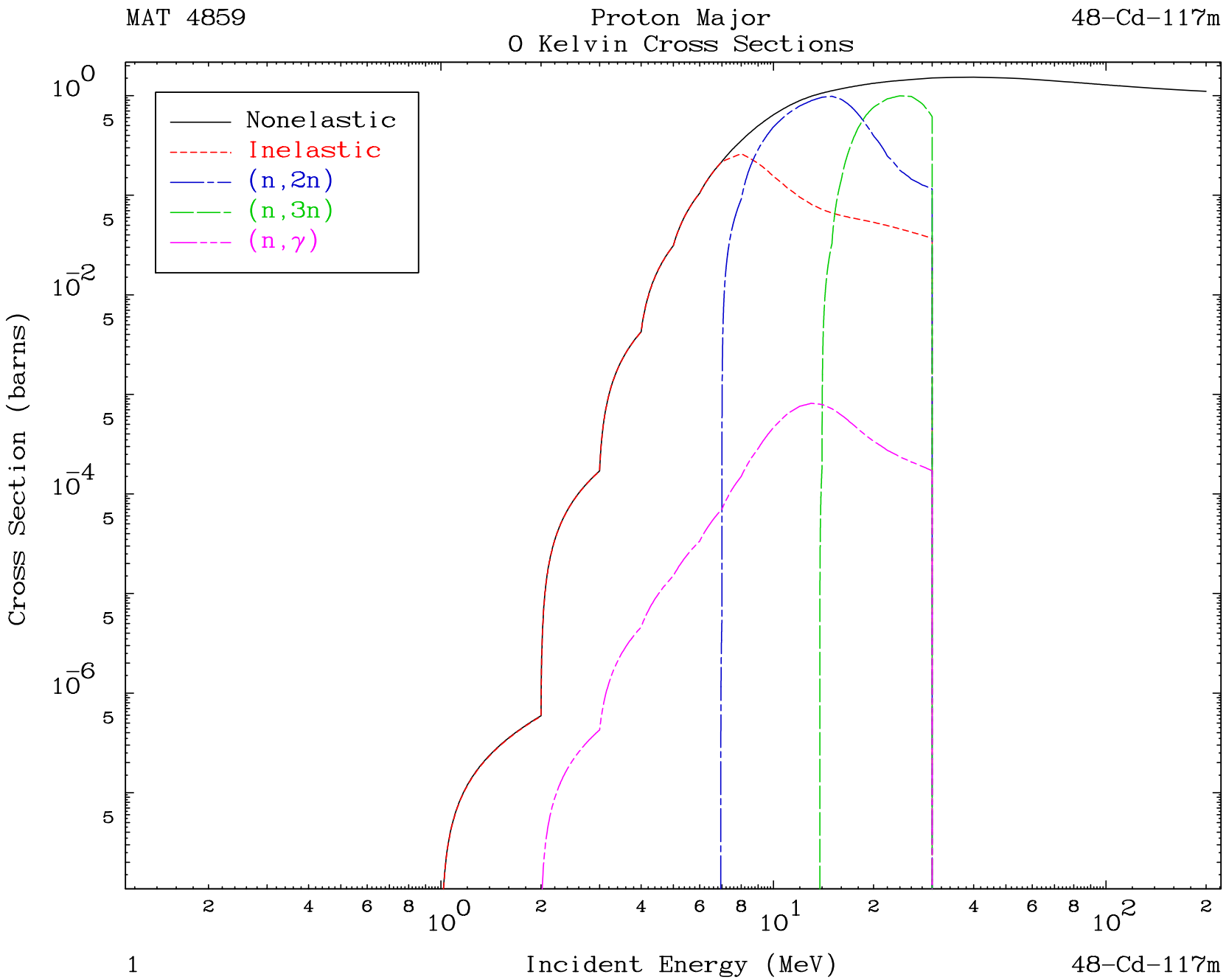
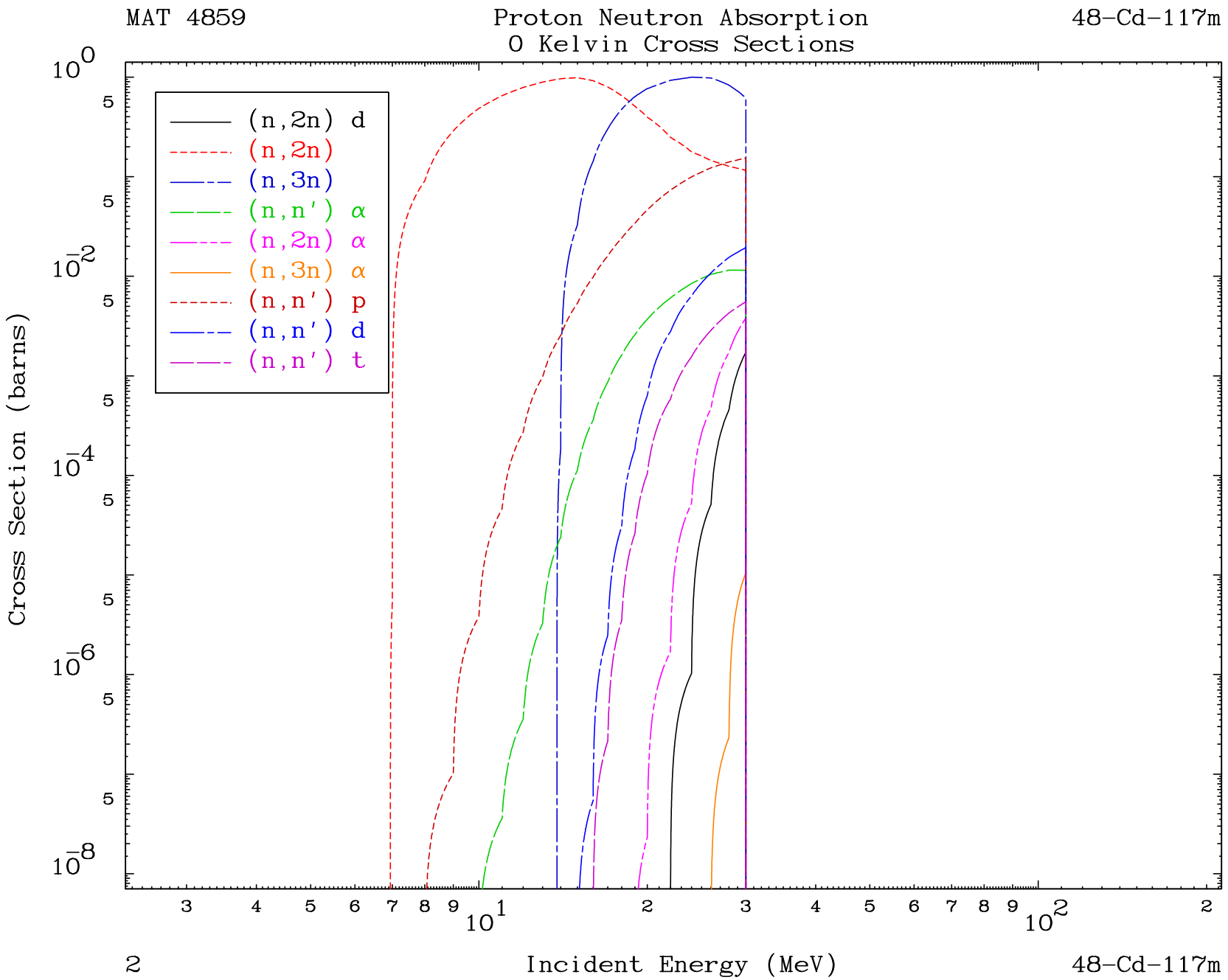
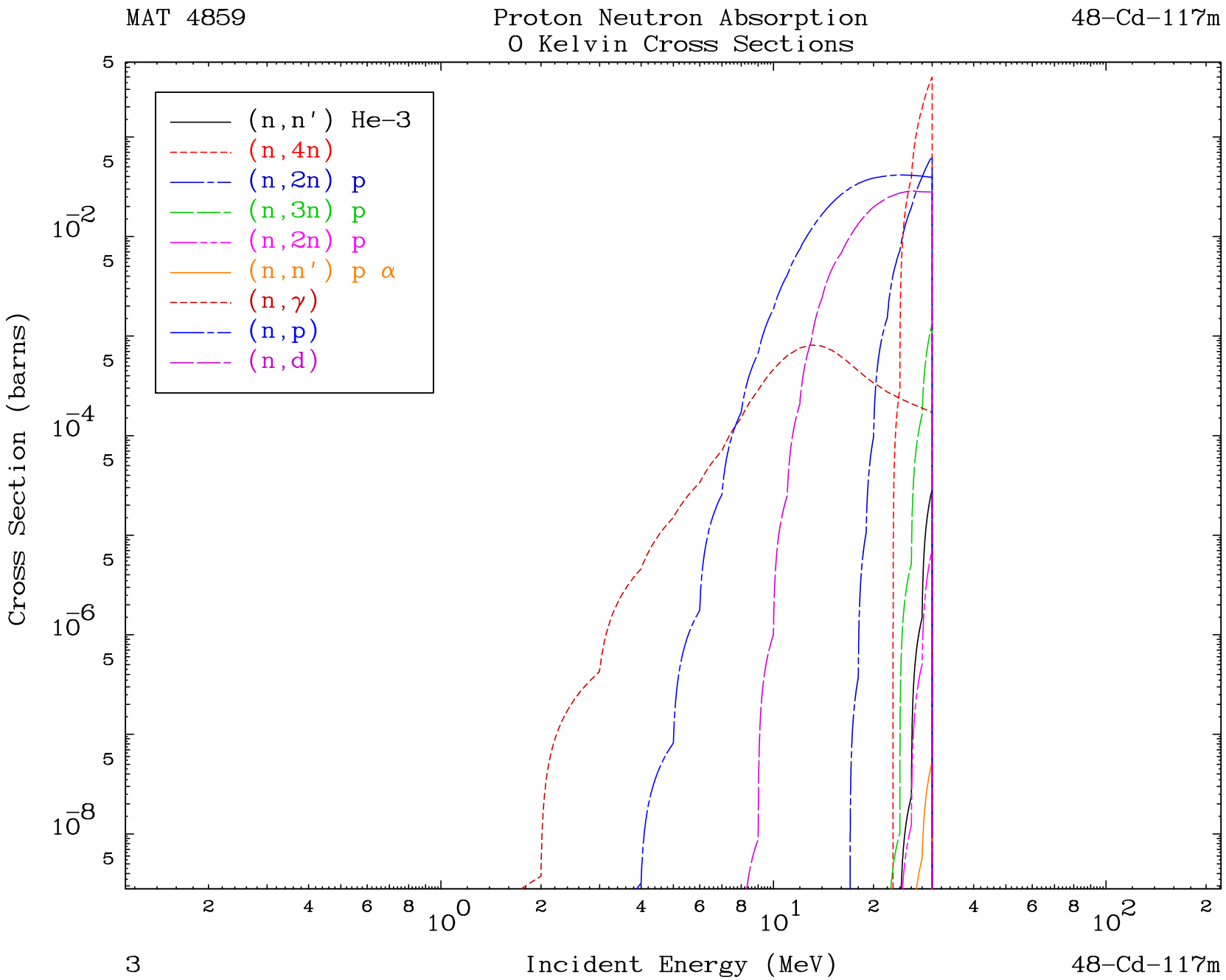
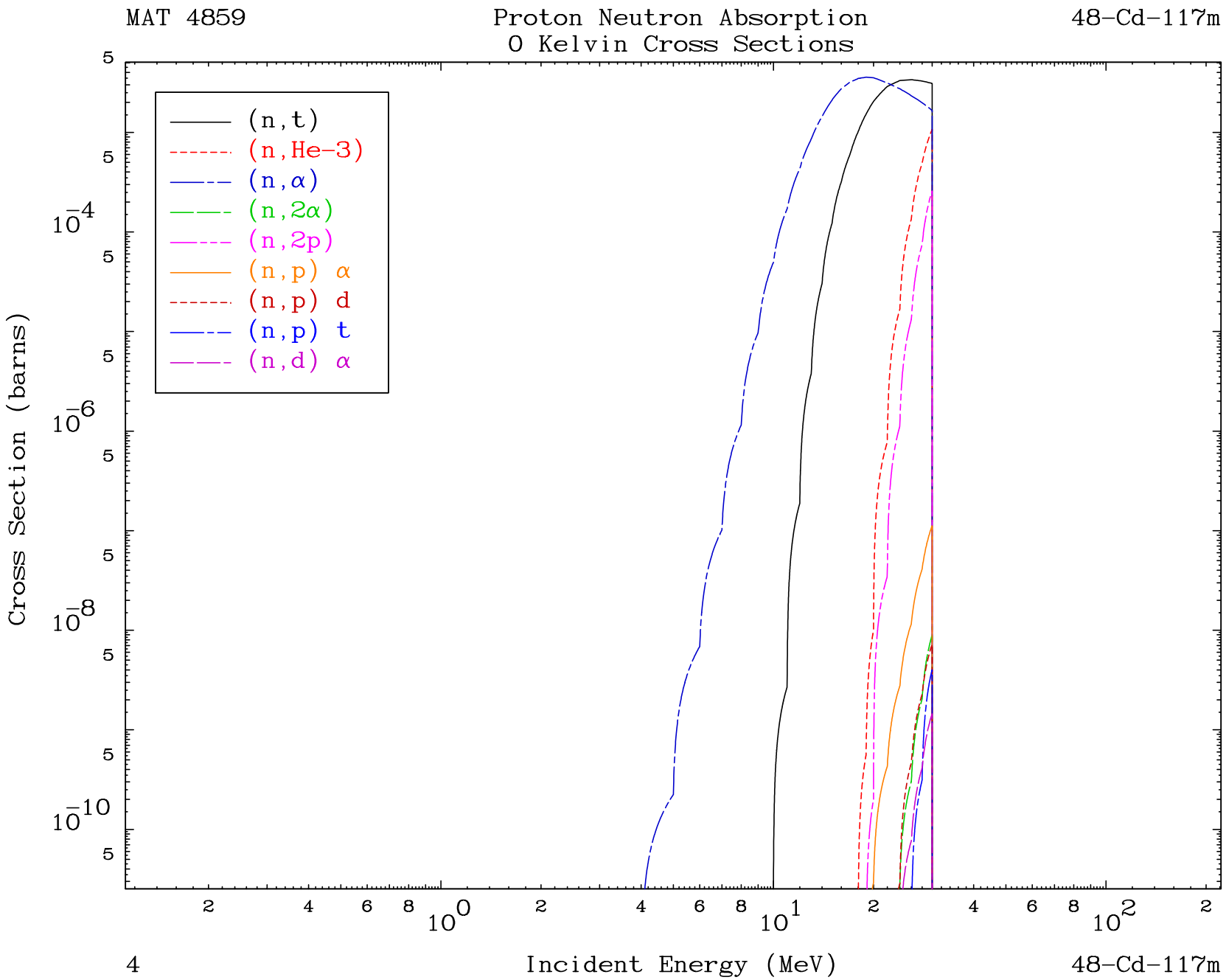
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

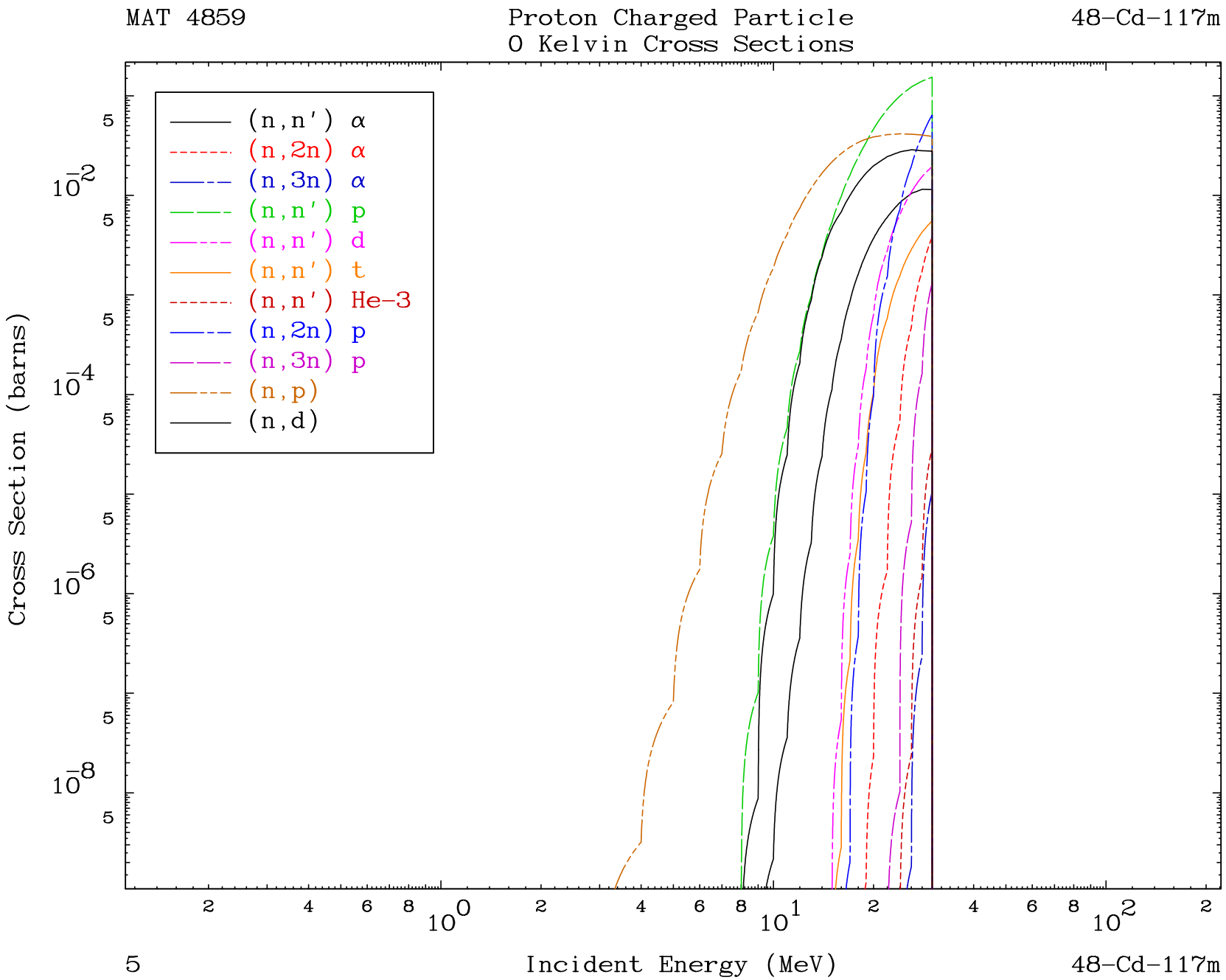
Press Mouse Button to Start

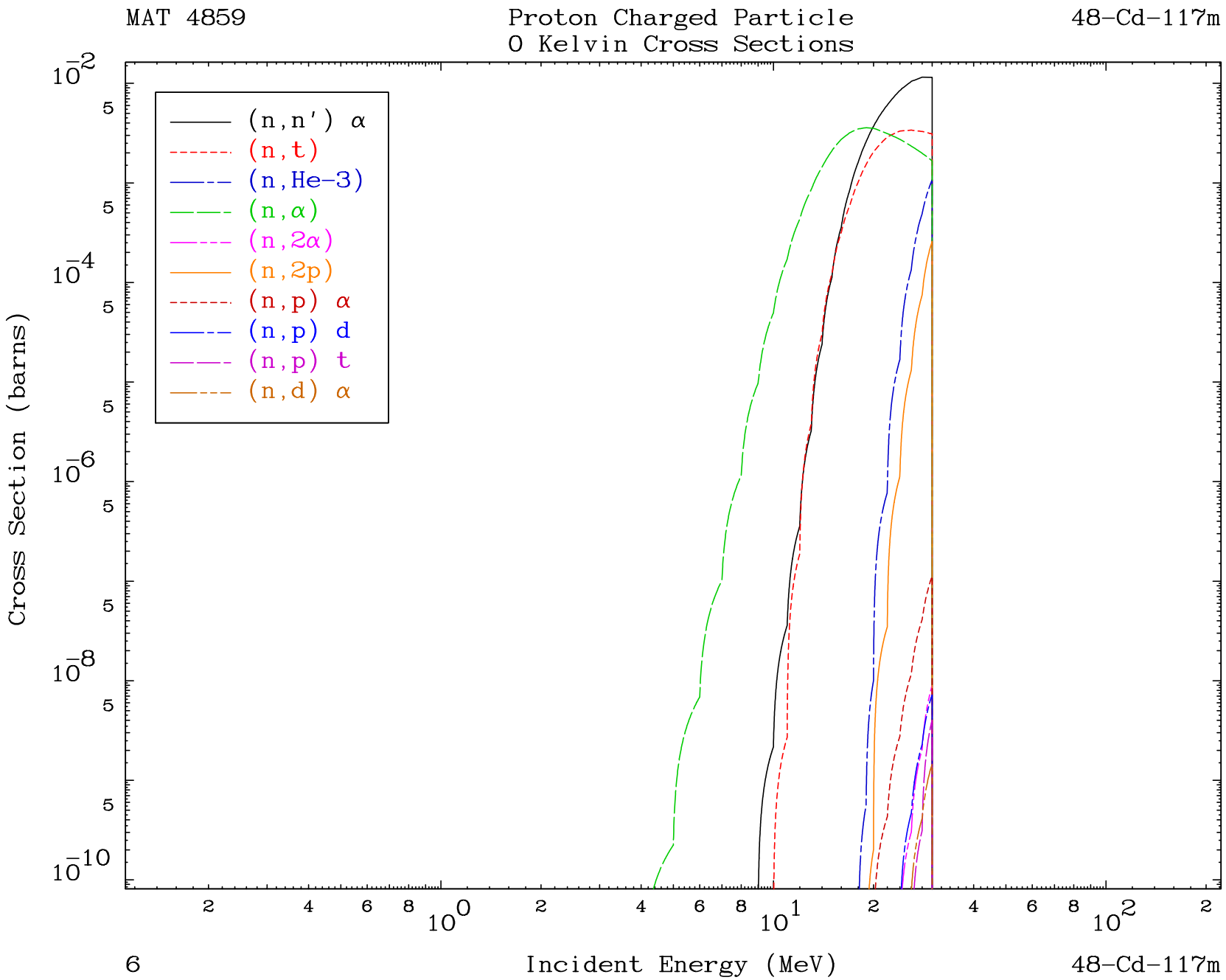

MAT 4859
Proton Major
48-Cd-117m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
48-Cd-117m
1

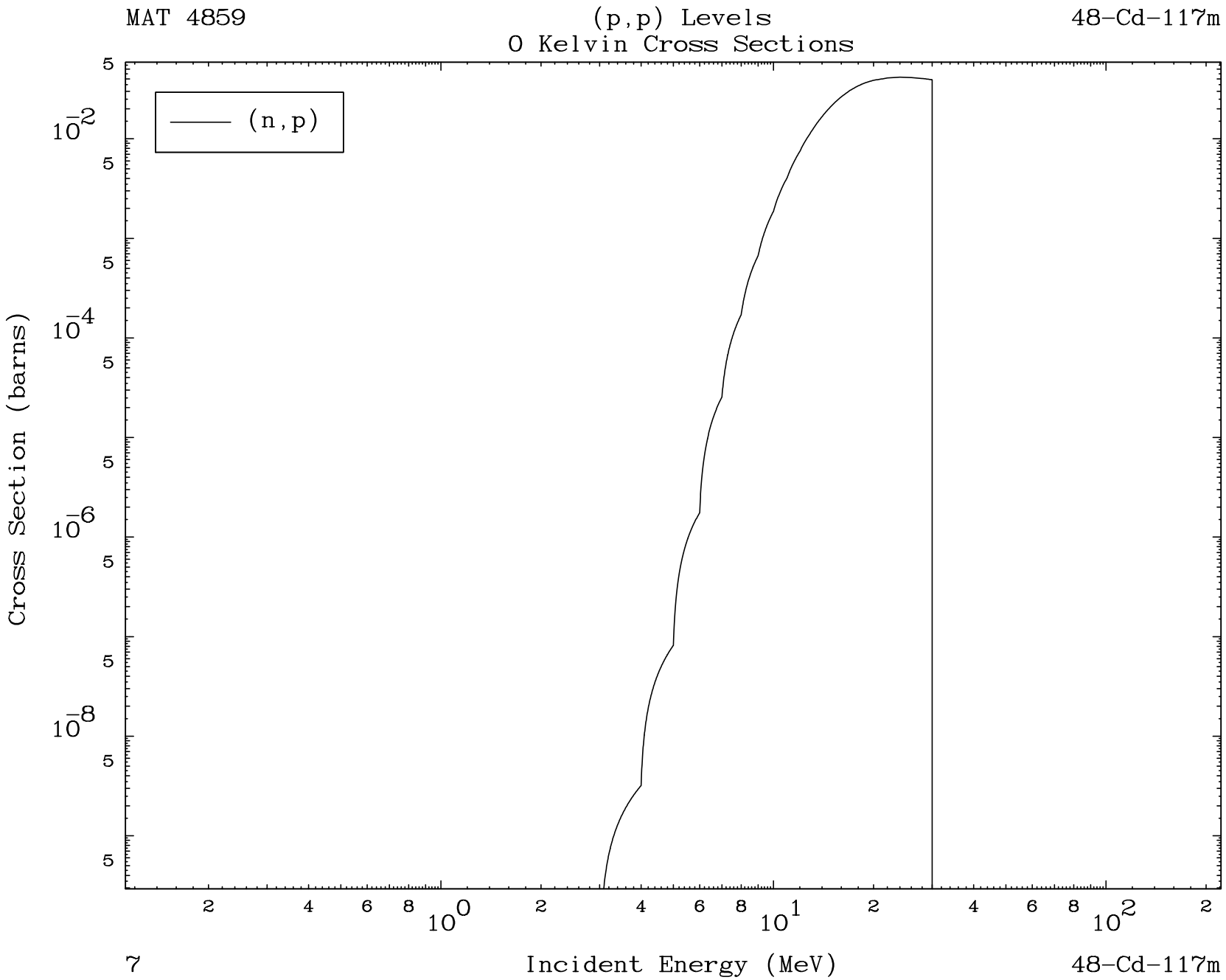

MAT 4859
Proton Neutron Absorption
0 Kelvin Cross Sections
48-Cd-117m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
48-Cd-117m

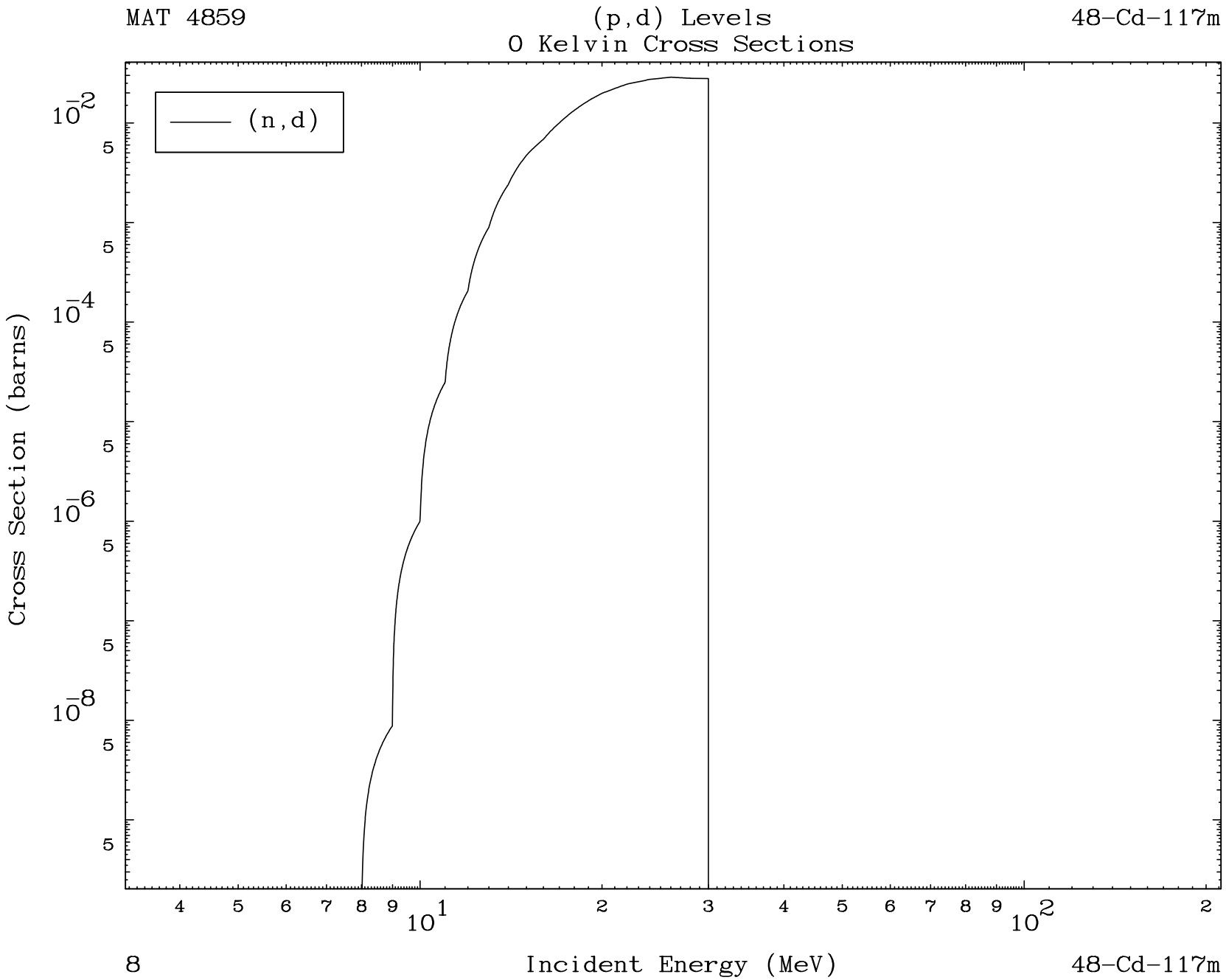

MAT 4859
Proton Neutron Absorption
0 Kelvin Cross Sections
48-Cd-117m
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
48-Cd-117m

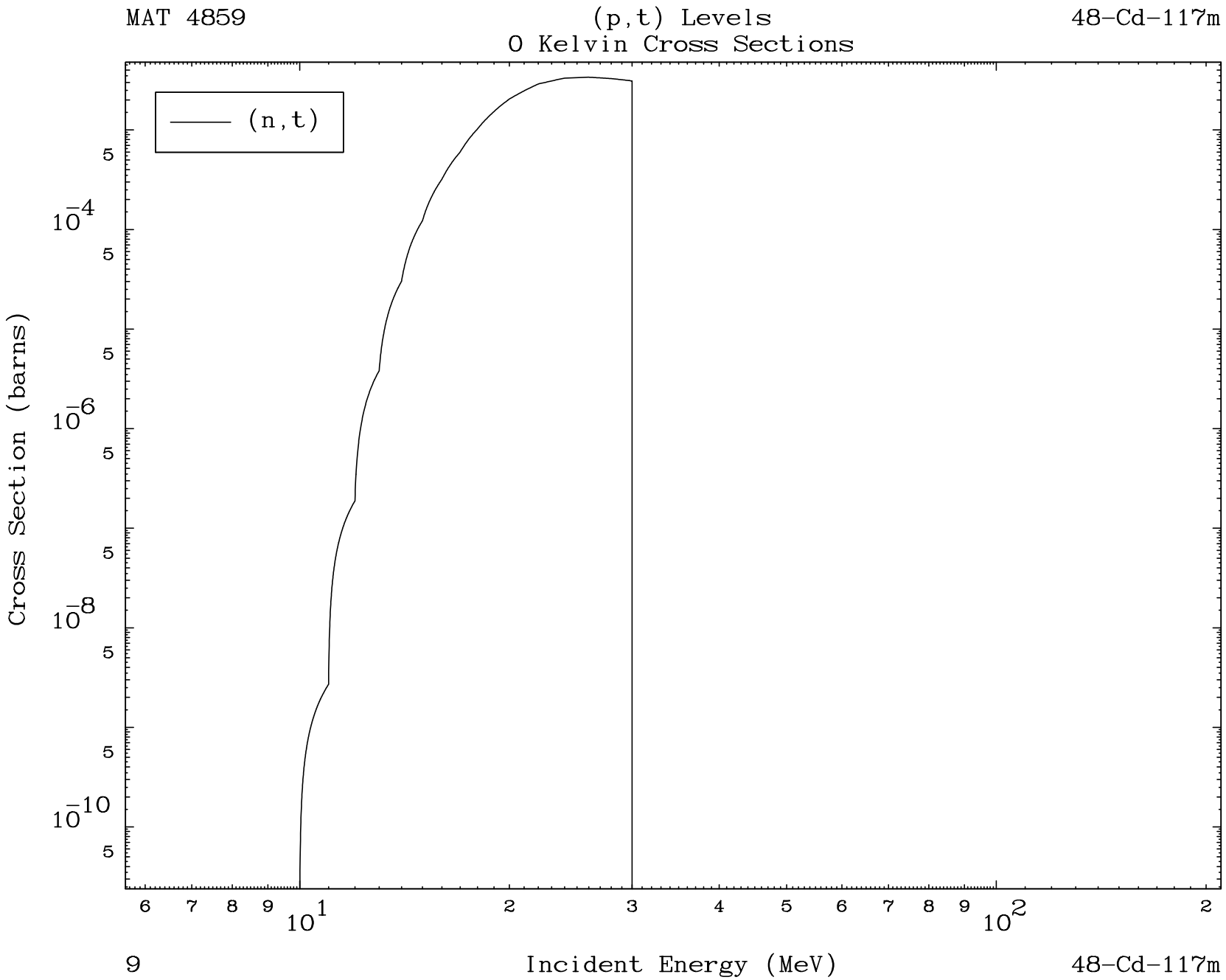

MAT 4859
Proton Neutron Absorption
0 Kelvin Cross Sections
48-Cd-117m
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
48-Cd-117m

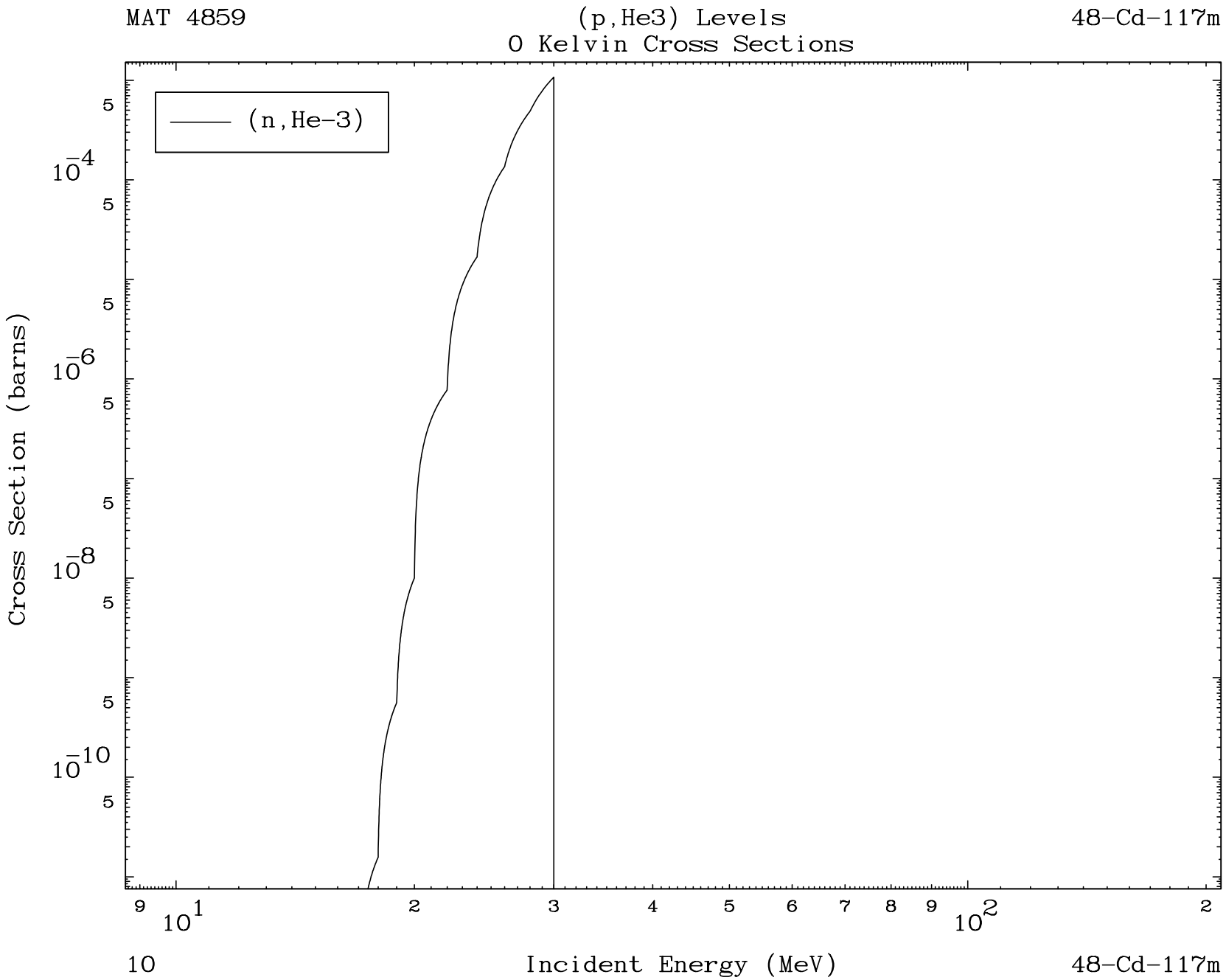

MAT 4859
Proton Charged Particle
0 Kelvin Cross Sections
48-Cd-117m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
48-Cd-117m
5

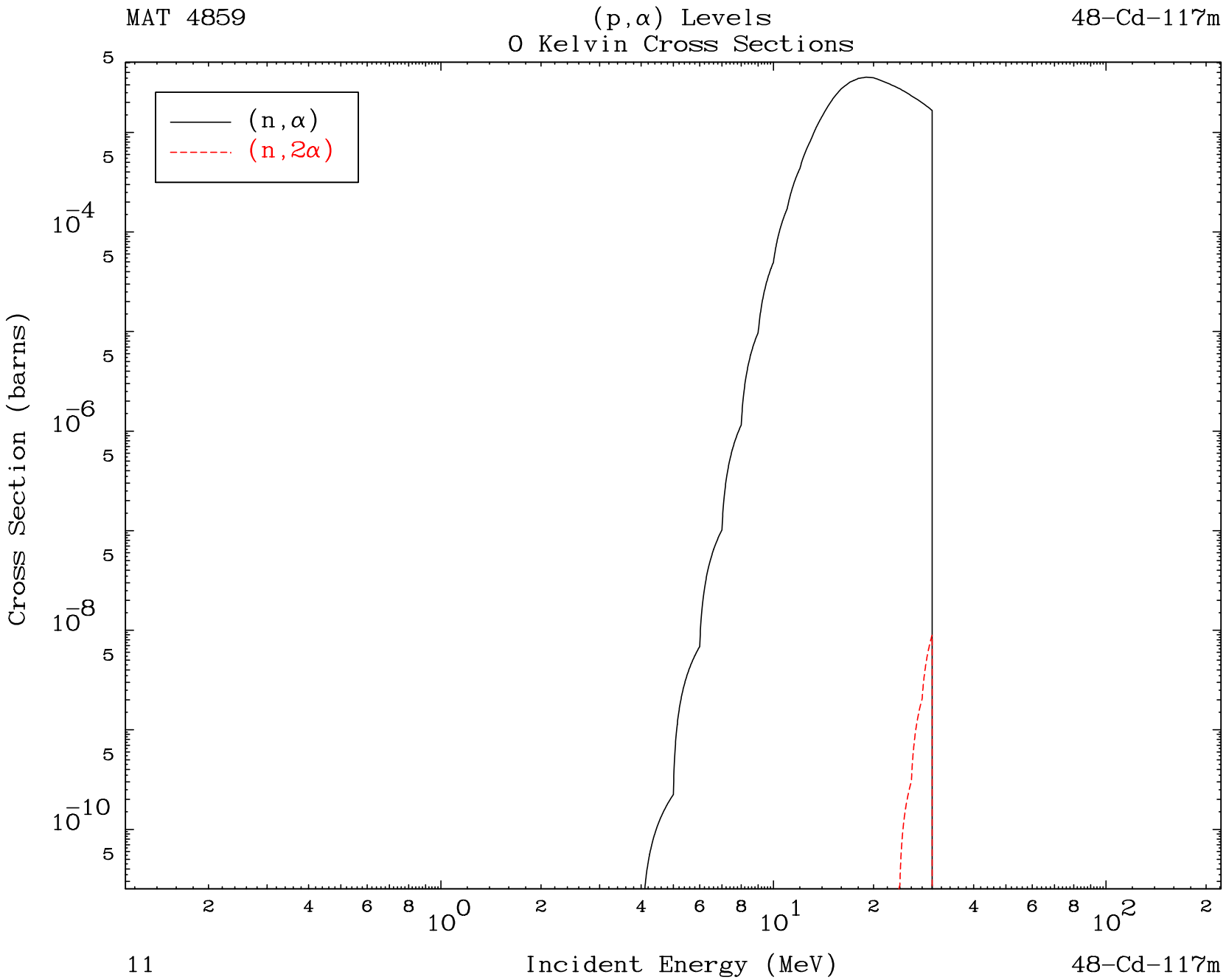

MAT 4859
Proton Charged Particle
0 Kelvin Cross Sections
48-Cd-117m
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
48-Cd-117m

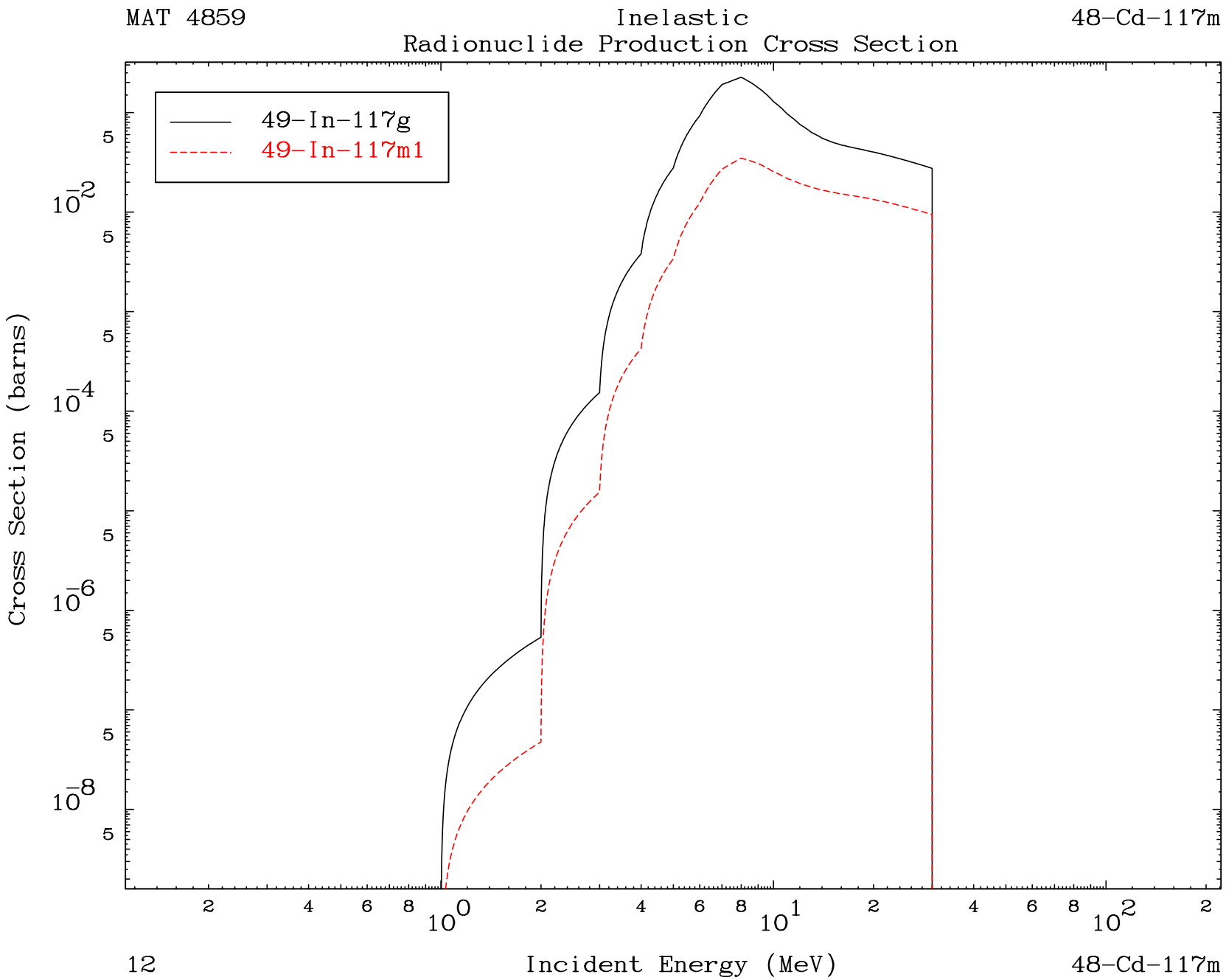

MAT 4859
(p,p) Levels
48-Cd-117m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
48-Cd-117m

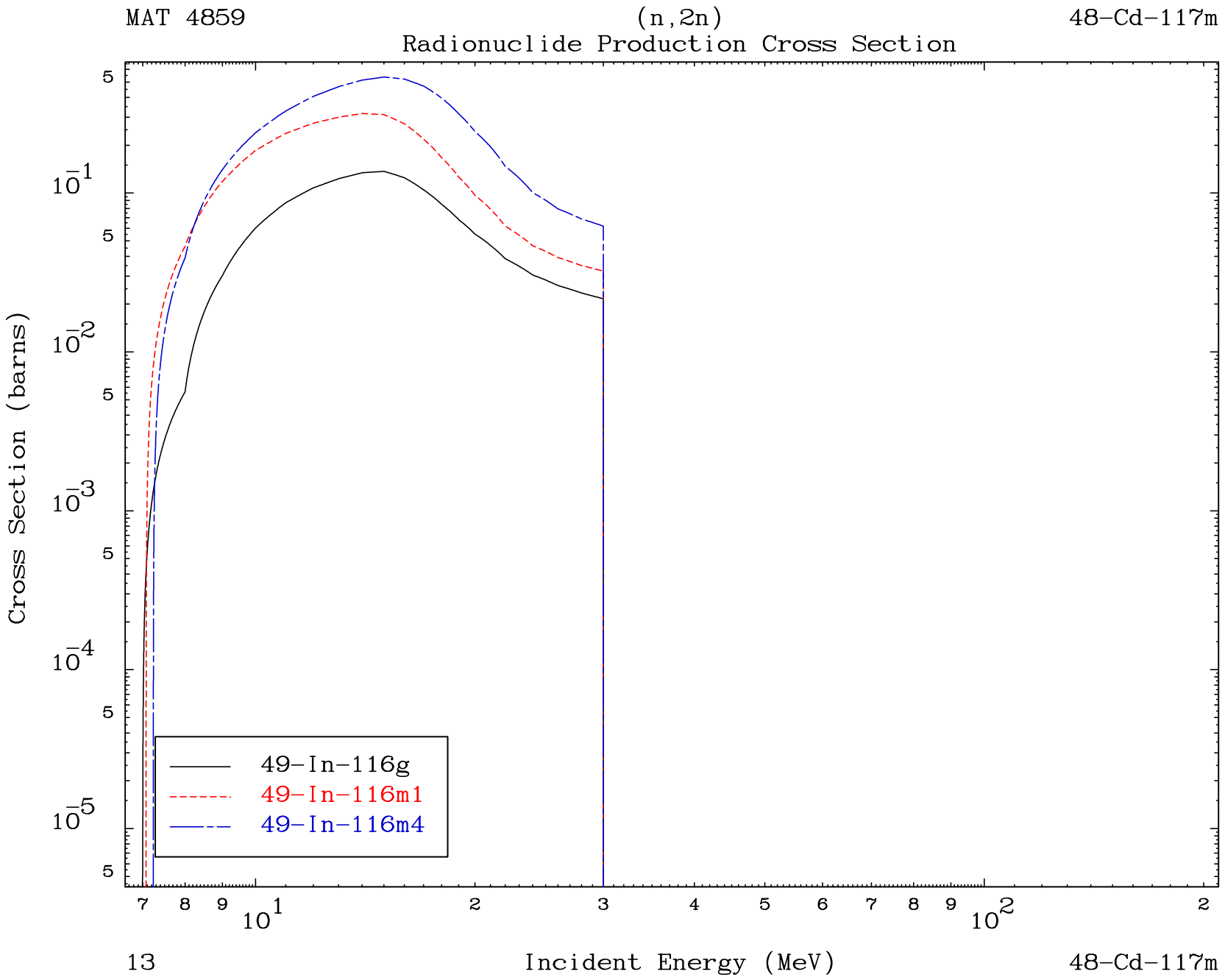

MAT 4859
(p,d) Levels
48-Cd-117m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
48-Cd-117m
8

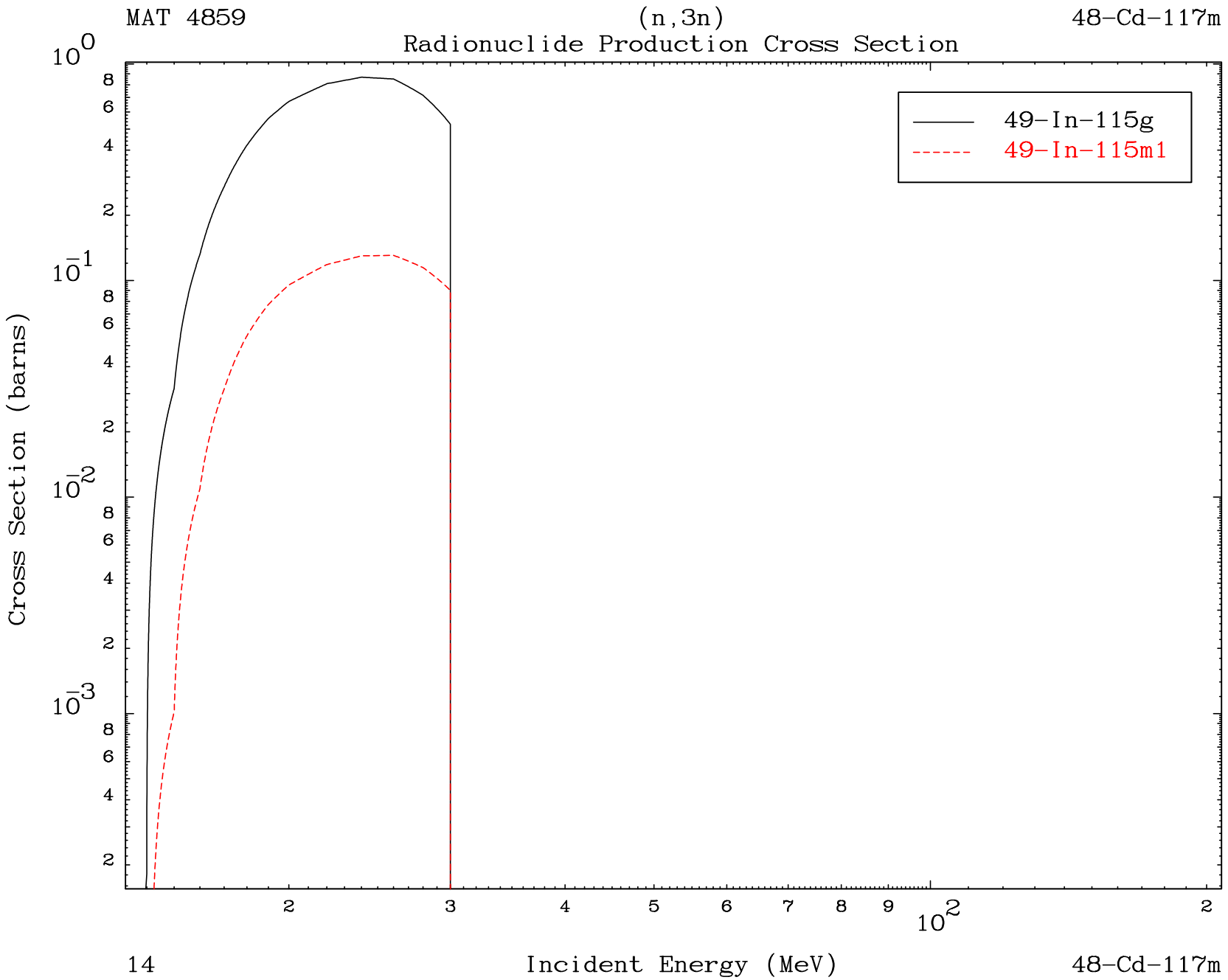

MAT 4859
(p,t) Levels
48-Cd-117m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
9
48-Cd-117m

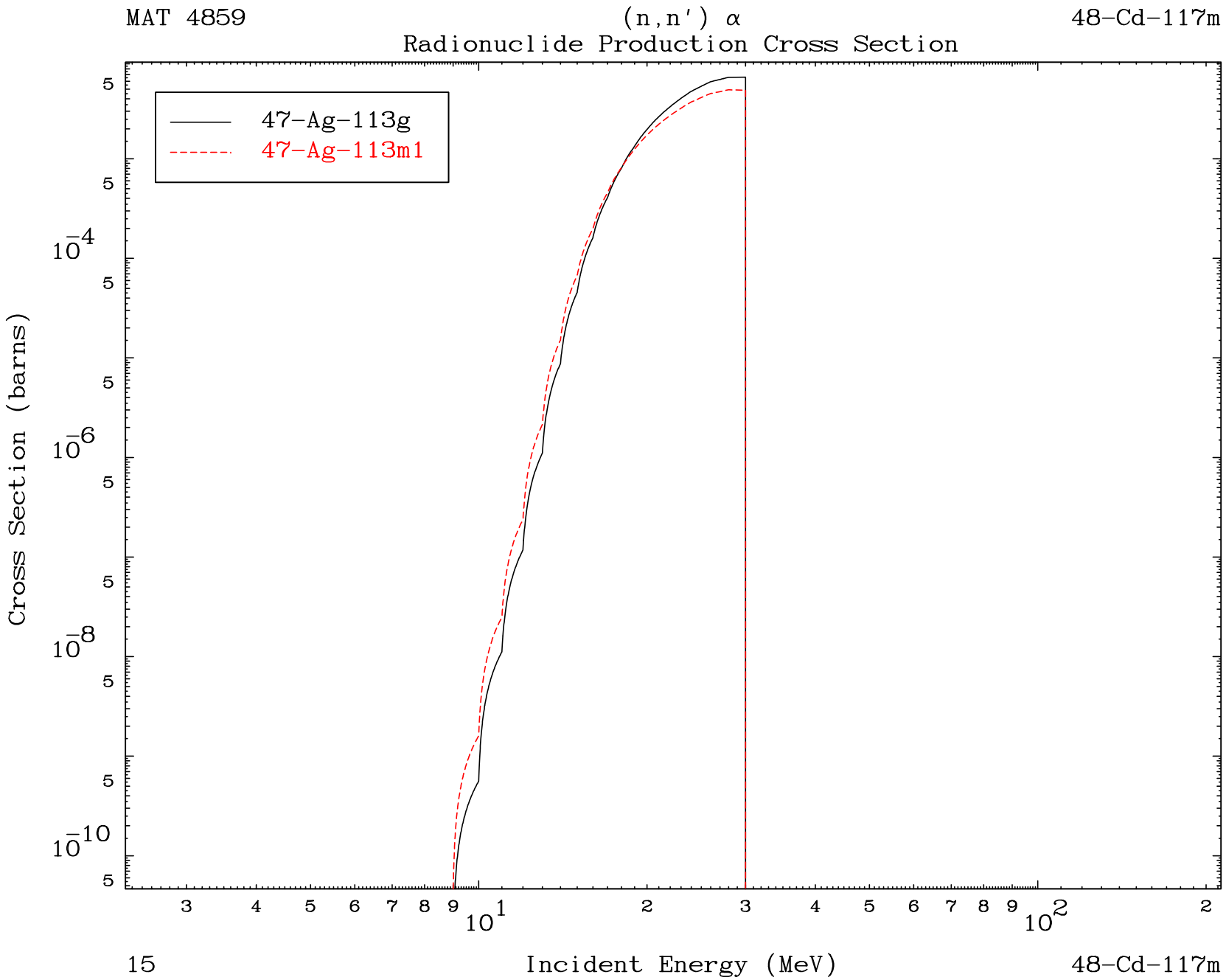

MAT 4859
(p,He3) Levels
48-Cd-117m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^1
10^2
48-Cd-117m

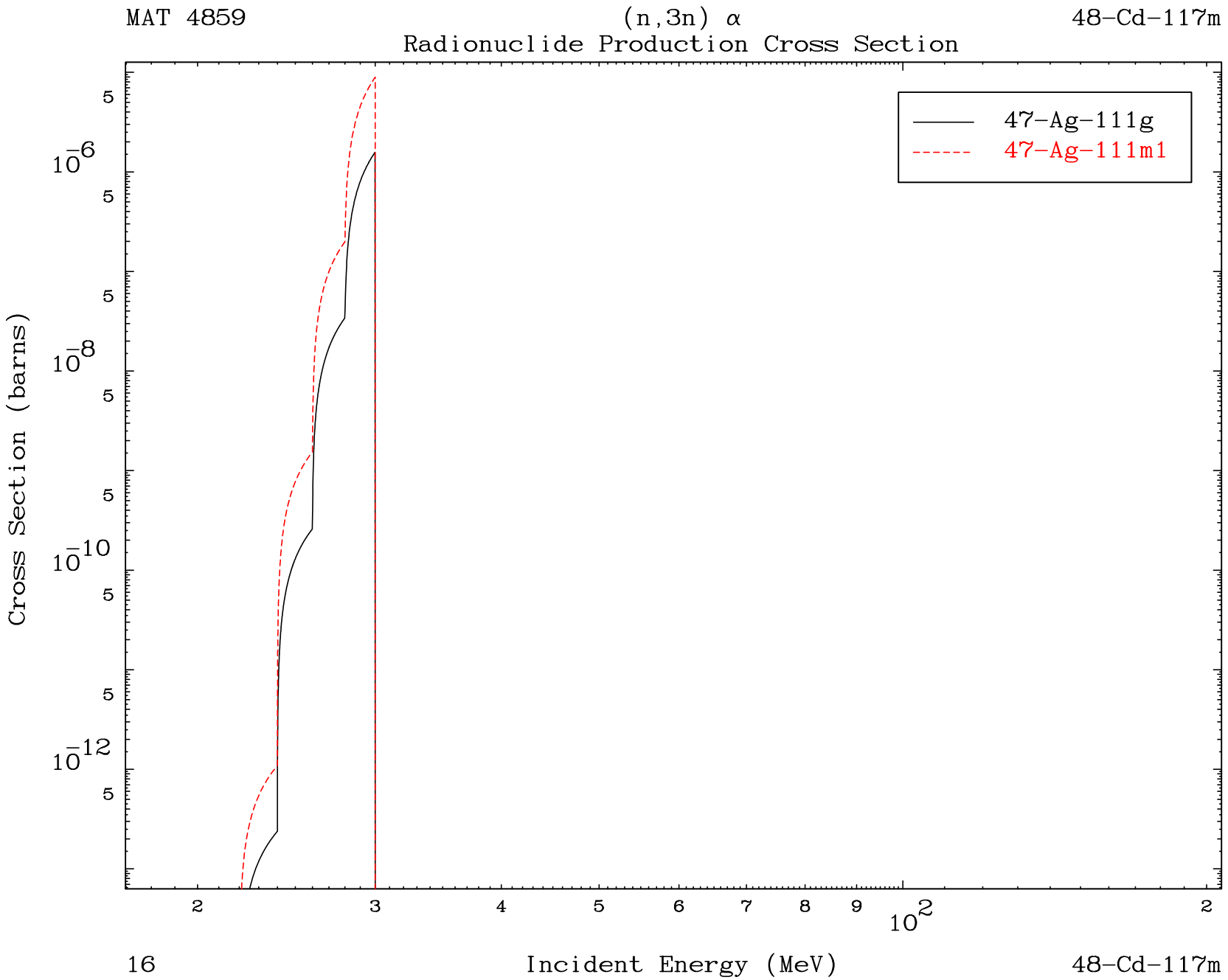

MAT 4859
(p,α) Levels
48-Cd-117m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
48-Cd-117m

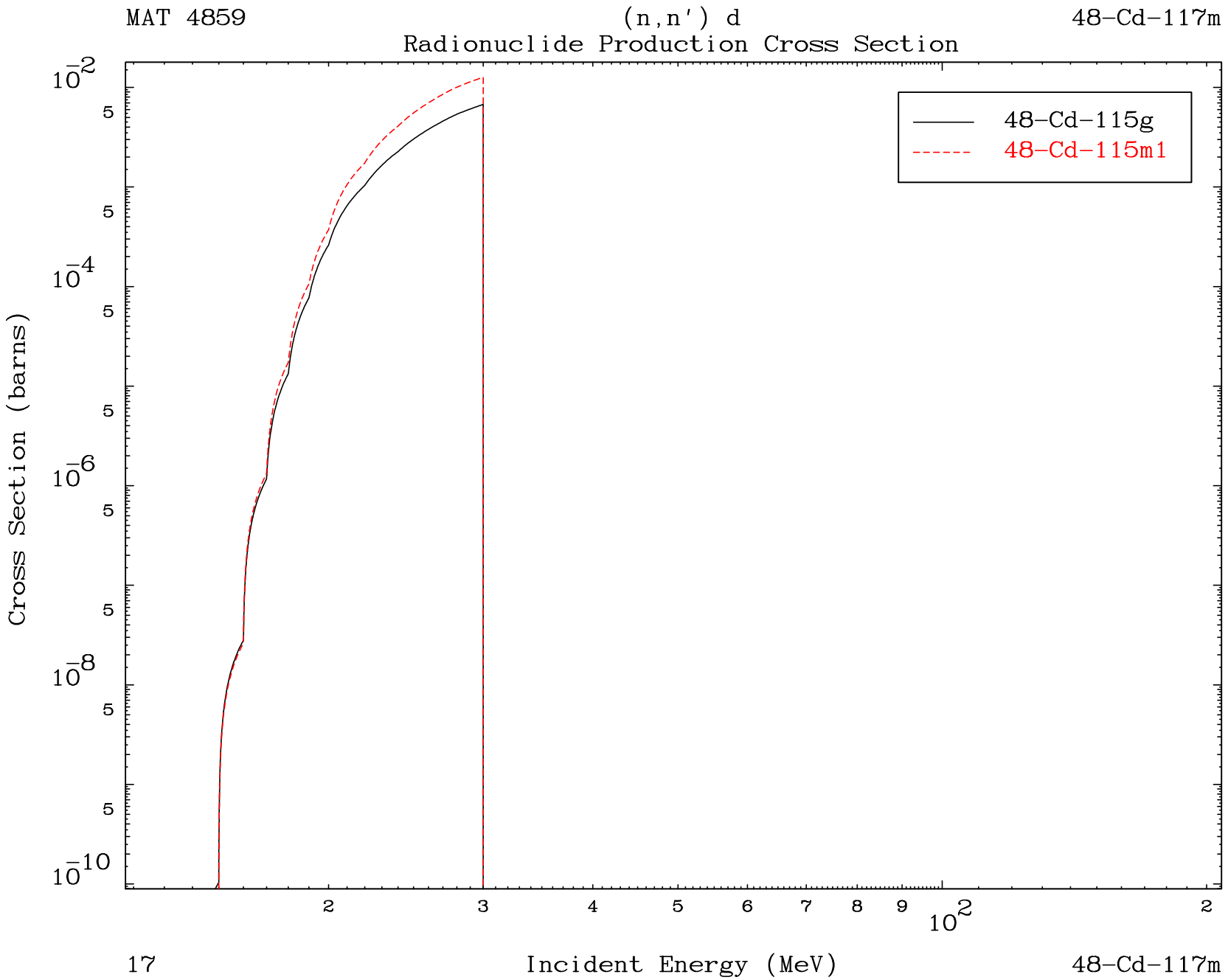

MAT 4859
Inelastic
48-Cd-117m
Radionuclide Production Cross Section
49-In-117g
49-In-117m1
Cross Section (barns)
Incident Energy (MeV)
12
48-Cd-117m

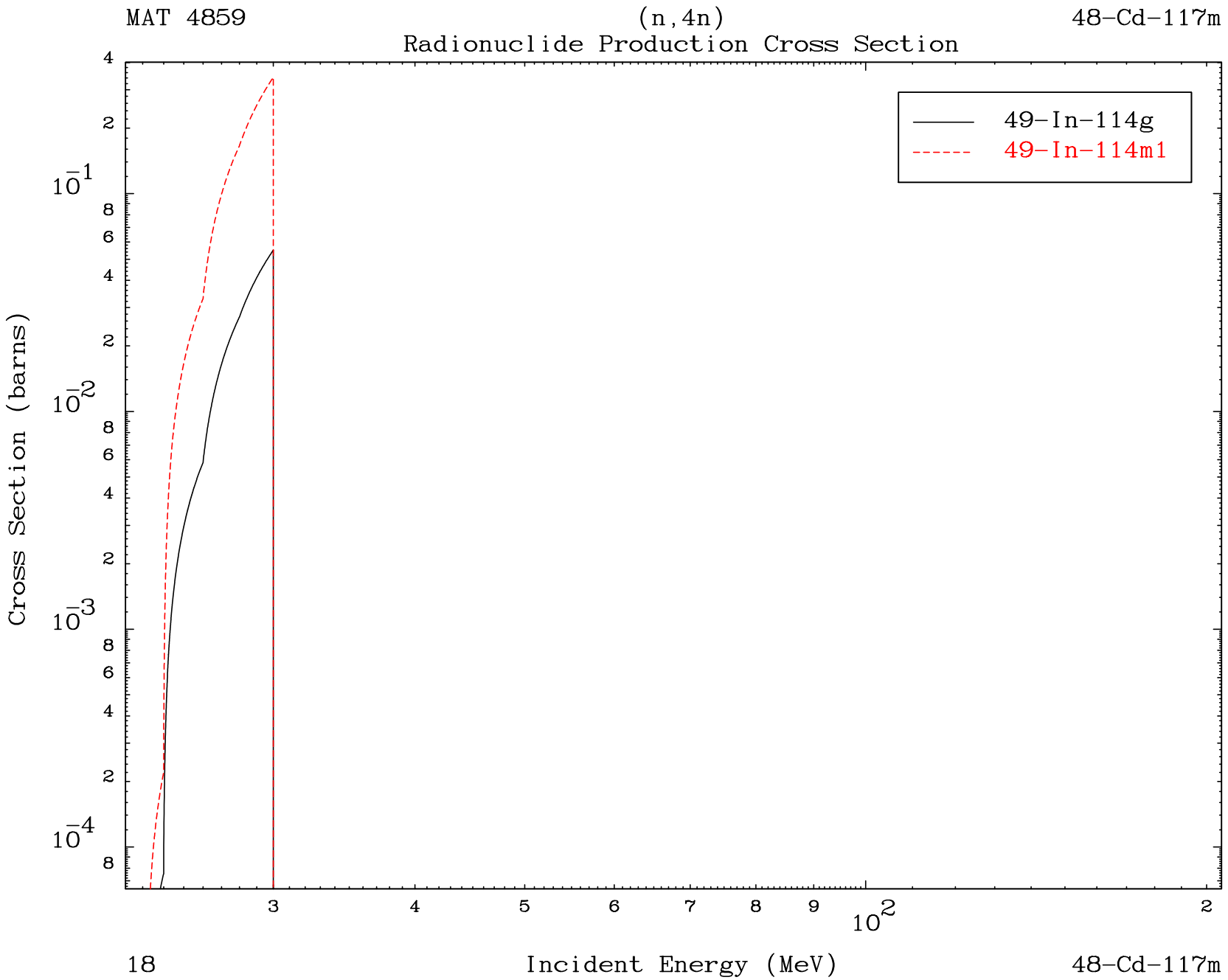

MAT 4859
(n,2n)
48-Cd-117m
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
49-In-116g
49-In-116m1
49-In-116m4
13
48-Cd-117m

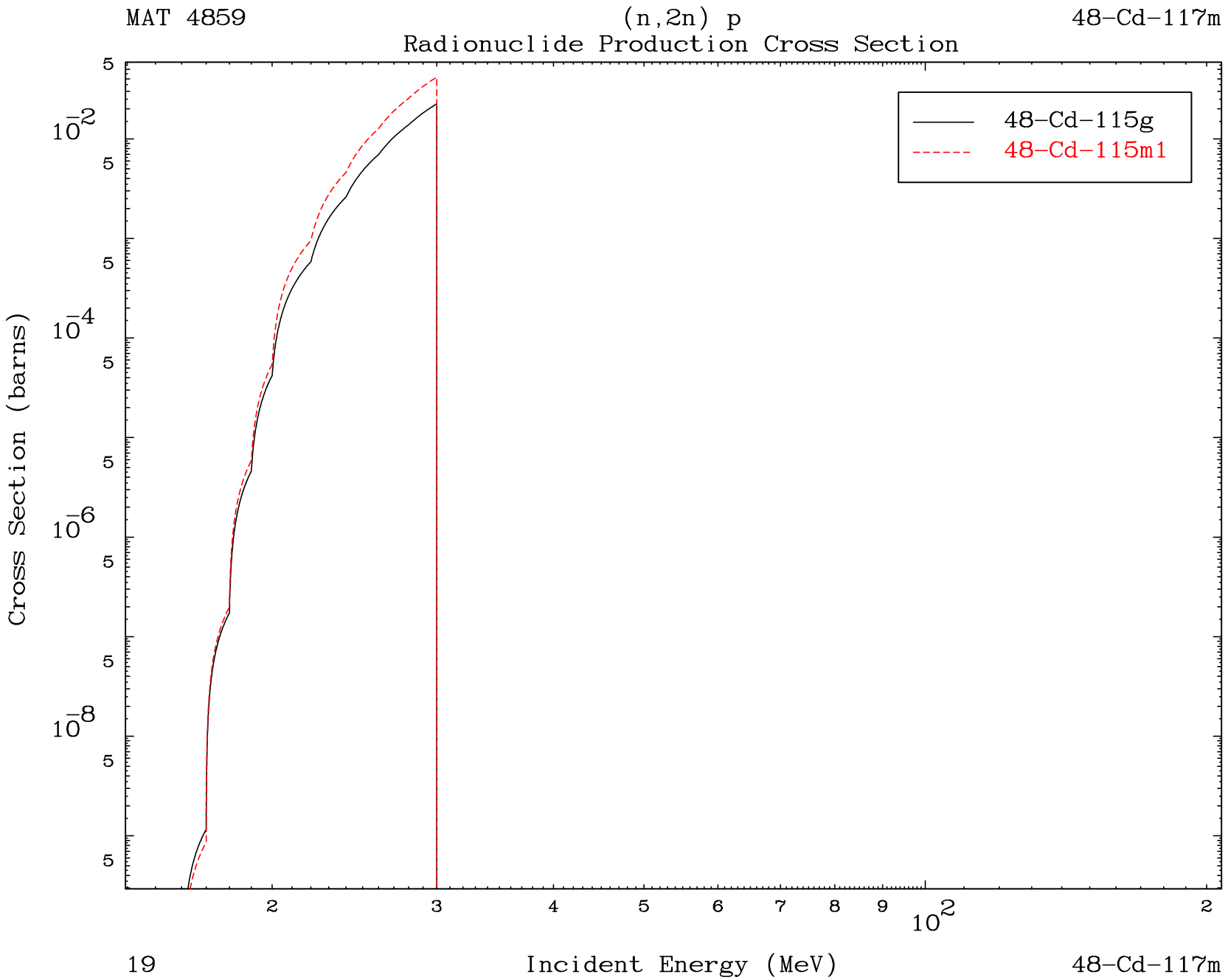

MAT 4859
(n,3n)
48-Cd-117m
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
Incident Energy (MeV)
14
48-Cd-117m

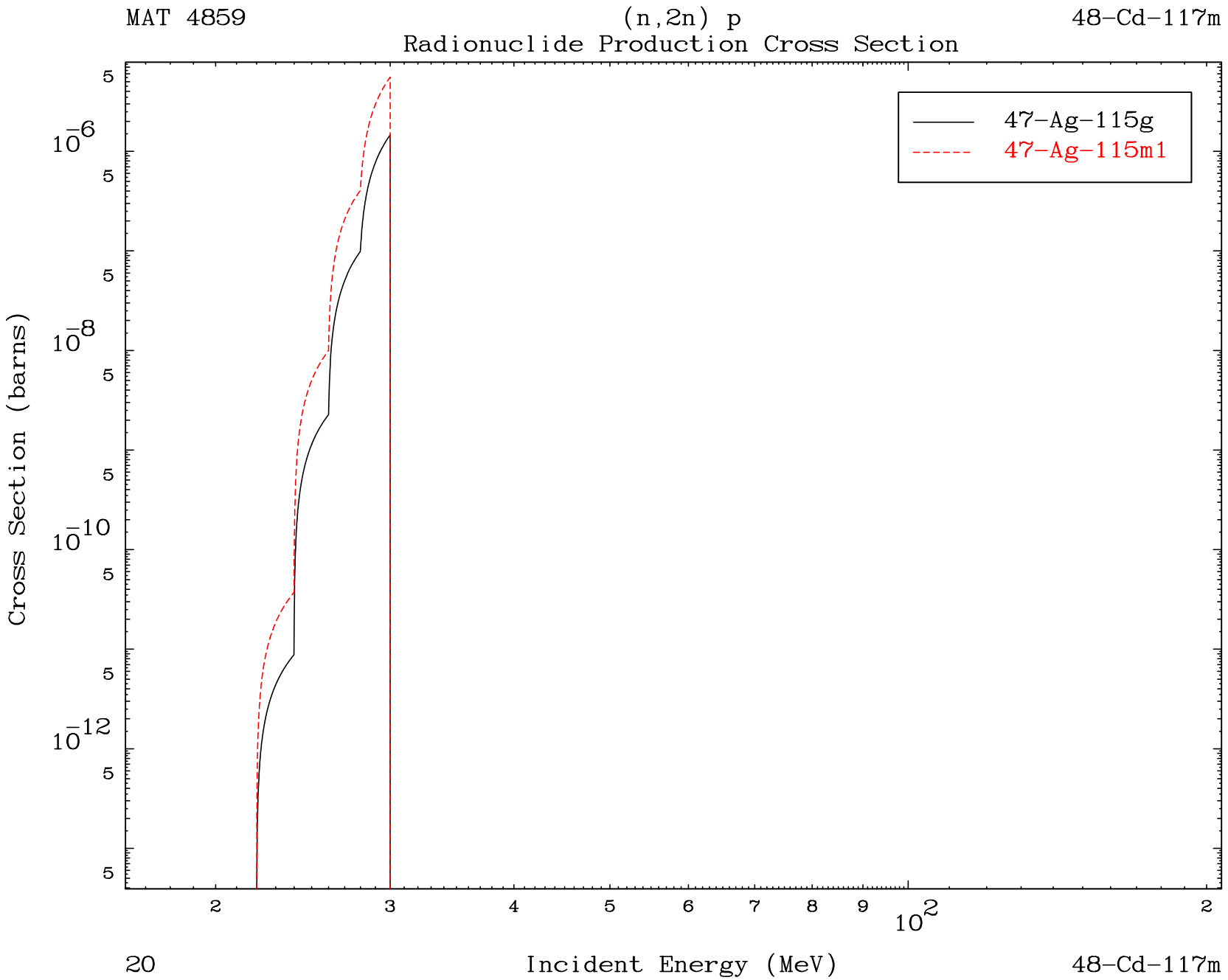

MAT 4859
(n,n') α
48-Cd-117m
Radionuclide Production Cross Section
47-Ag-113g
47-Ag-113m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
15
Incident Energy (MeV)
48-Cd-117m

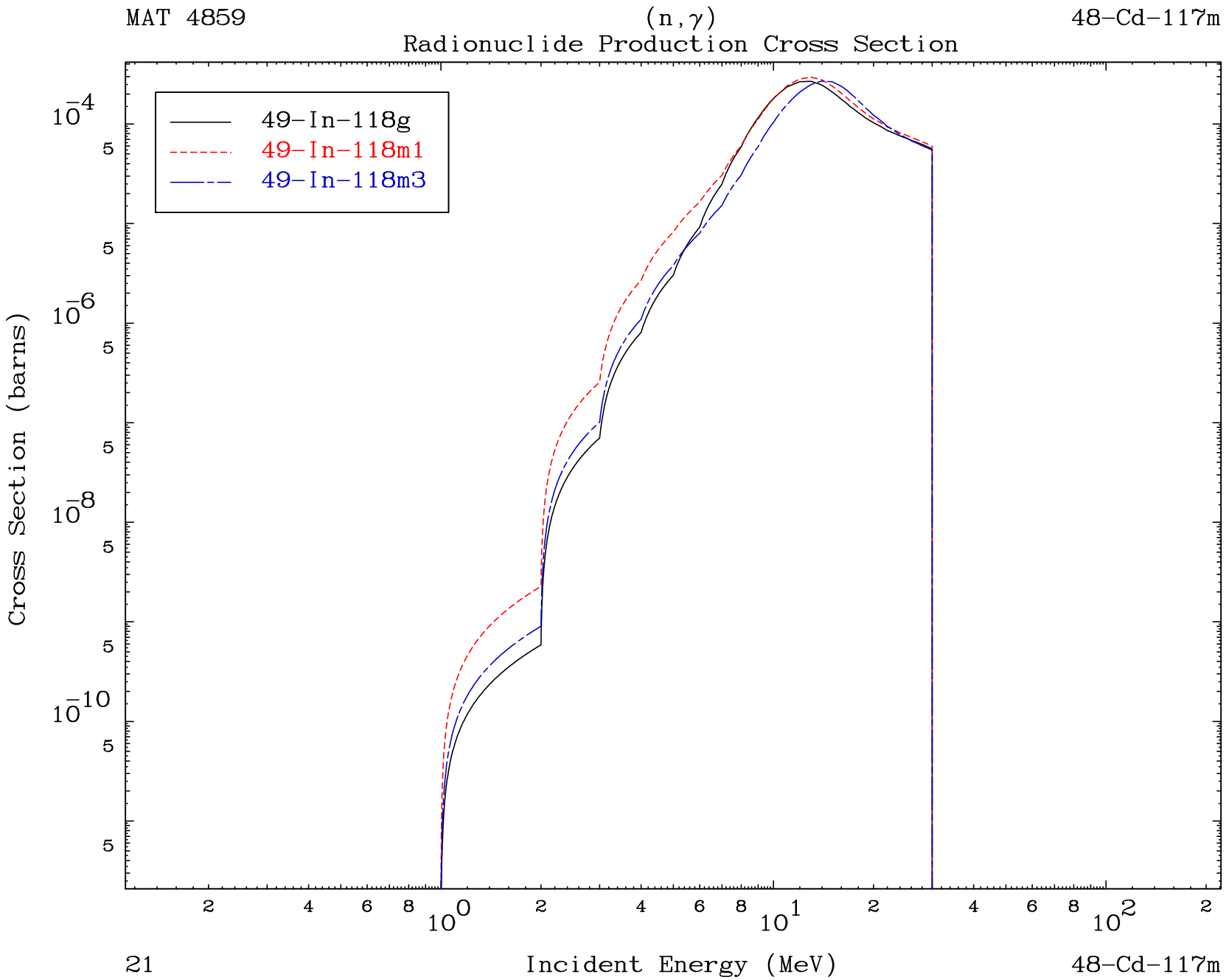

MAT 4859
(n,3n) α
48-Cd-117m
Radionuclide Production Cross Section
47-Ag-111g
47-Ag-111m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
48-Cd-117m

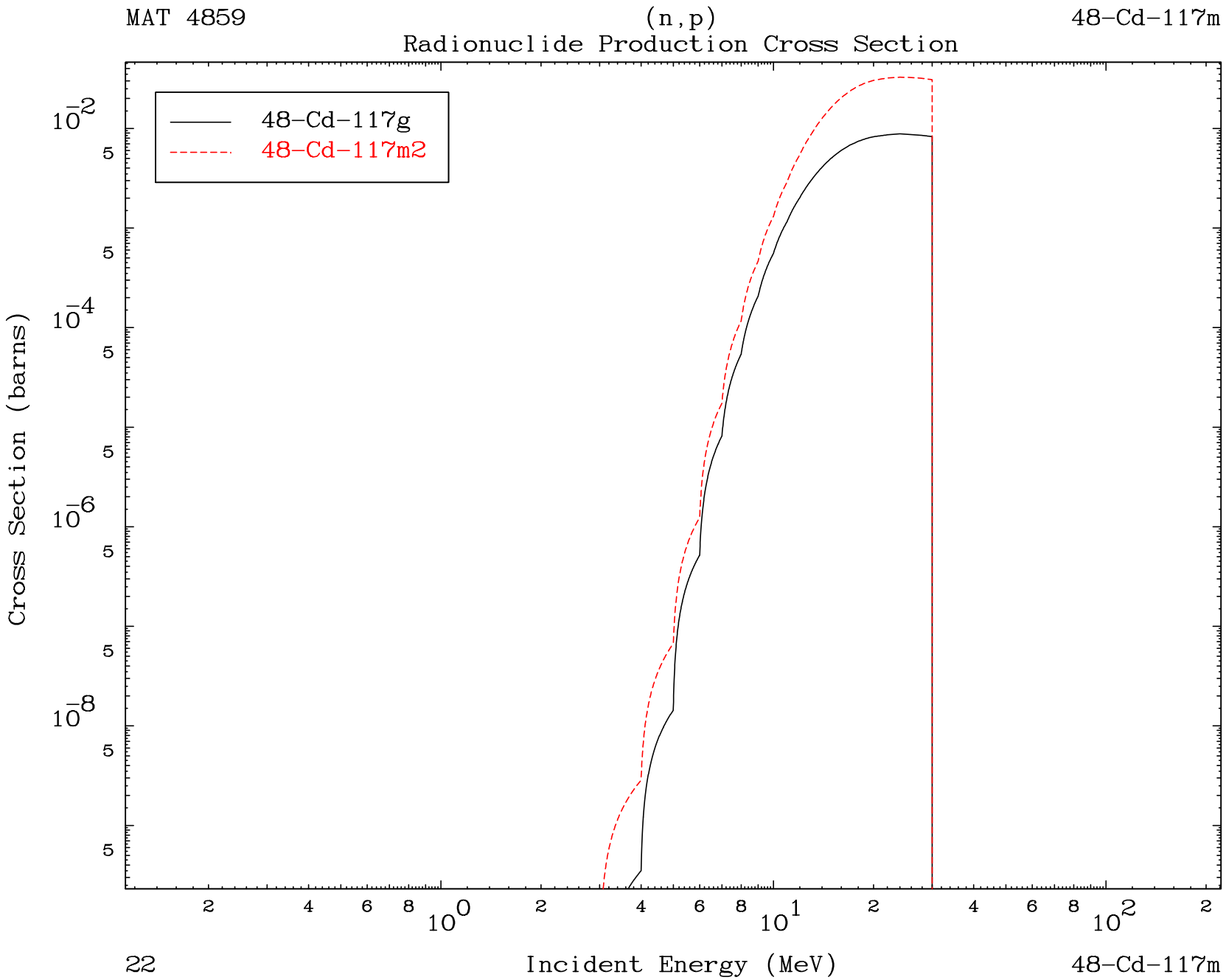

MAT 4859
(n,n') d
48-Cd-117m
Radionuclide Production Cross Section
48-Cd-115g
48-Cd-115m1
Cross Section (barns)
Incident Energy (MeV)
17
48-Cd-117m

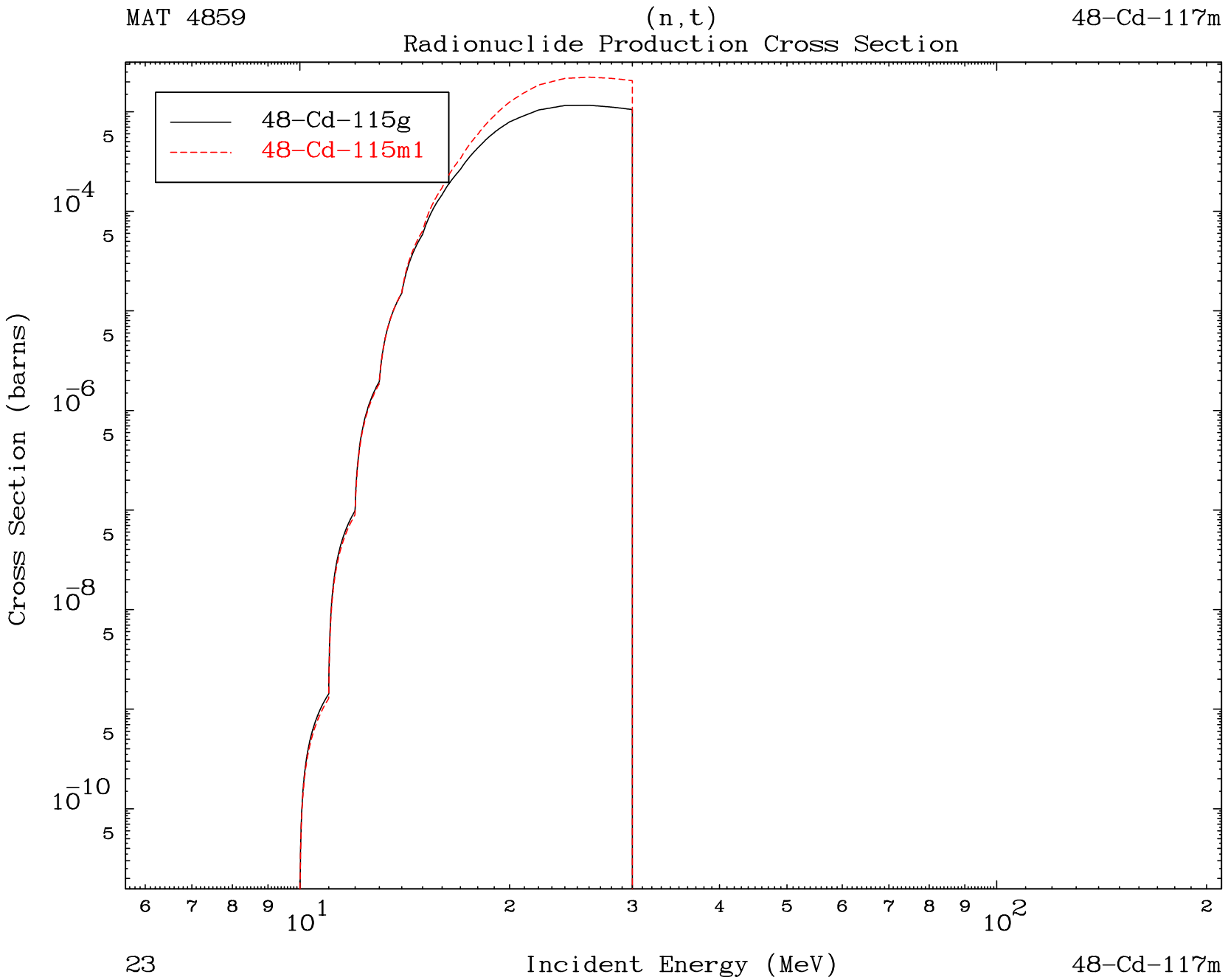

MAT 4859
(n,4n)
48-Cd-117m
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
Cross Section (barns)
Incident Energy (MeV)
18
48-Cd-117m

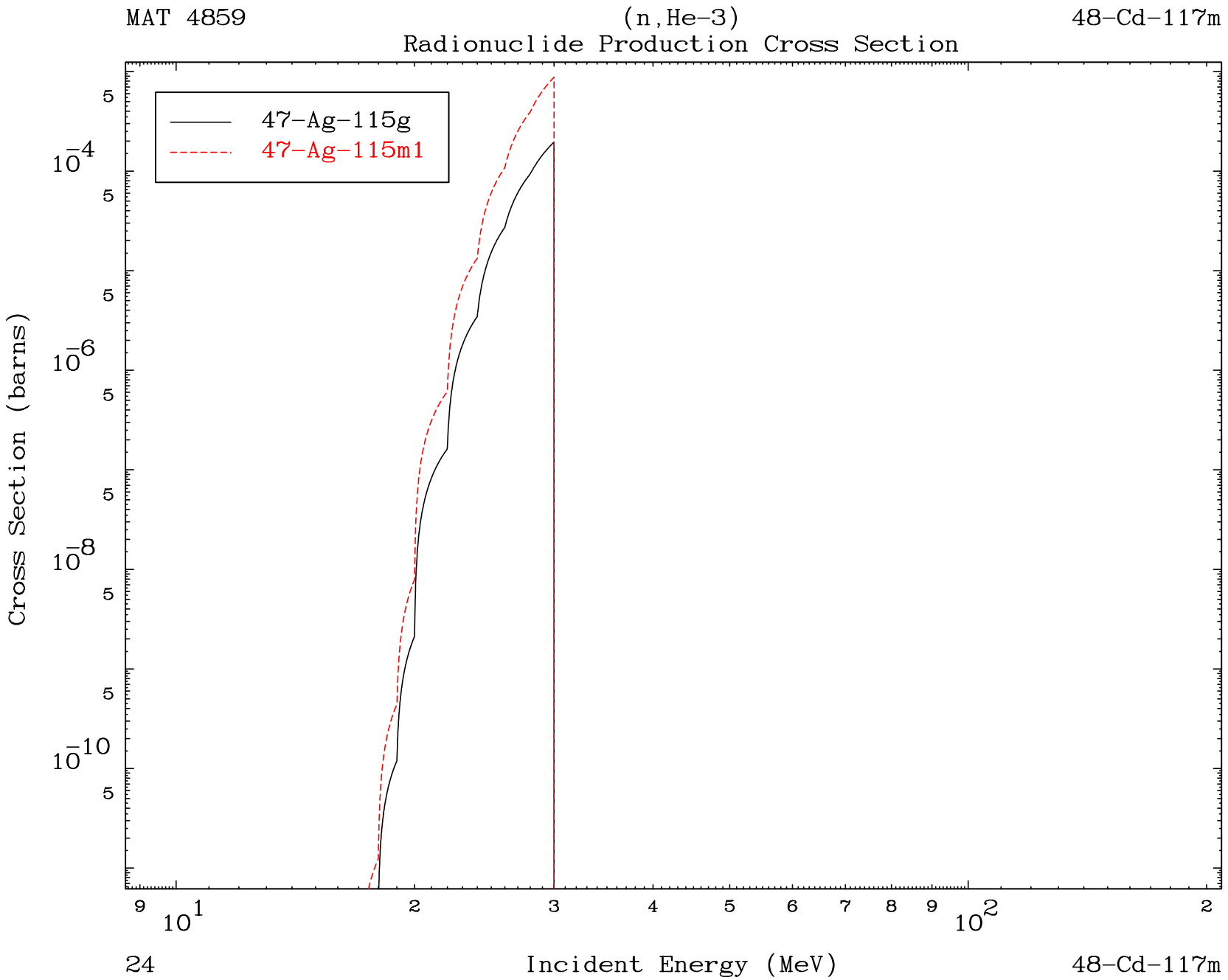

MAT 4859
(n,2n) p
48-Cd-117m
Radionuclide Production Cross Section
48-Cd-115g
48-Cd-115m1
Cross Section (barns)
Incident Energy (MeV)
19
48-Cd-117m

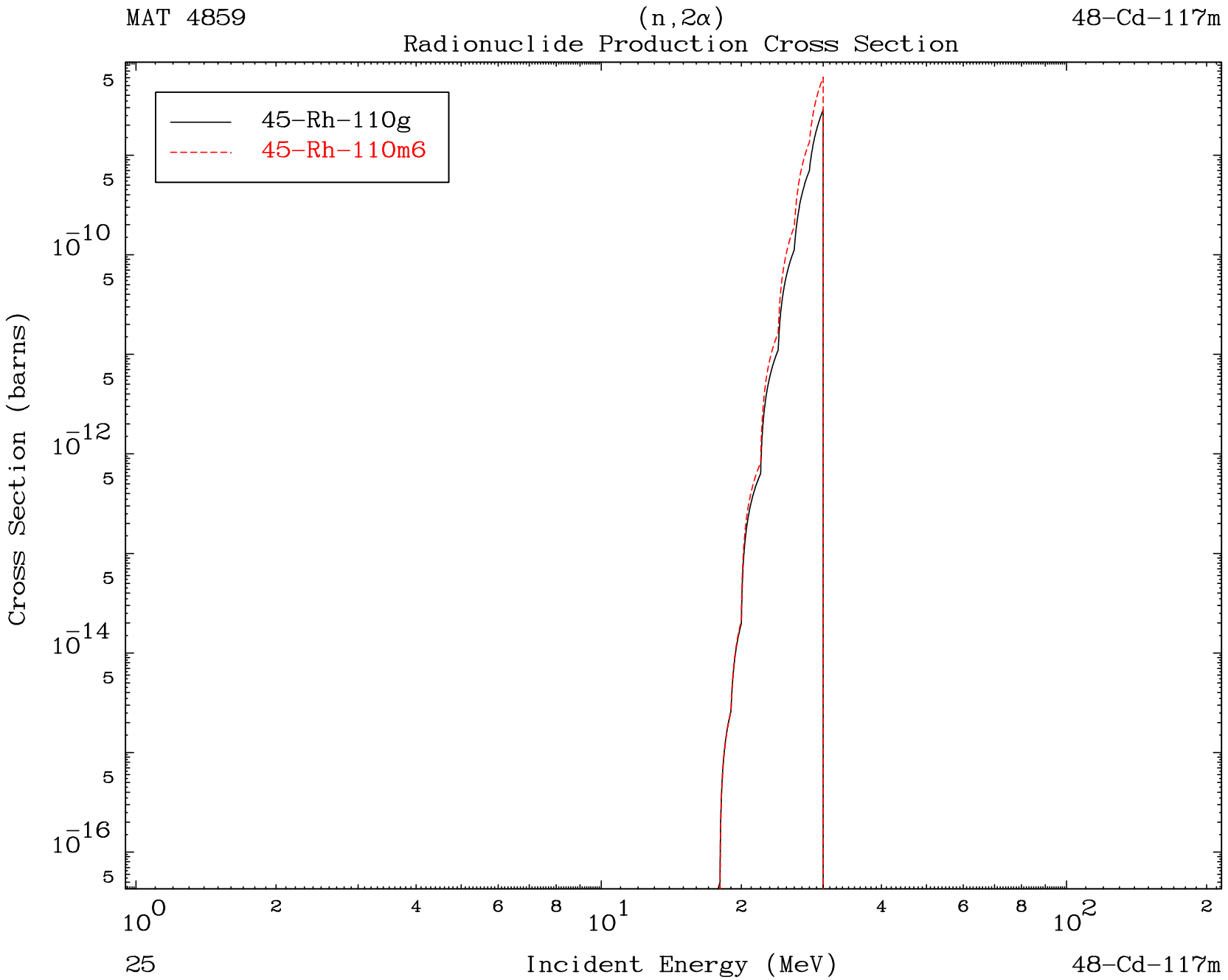

MAT 4859
(n,2n) p
48-Cd-117m
Radionuclide Production Cross Section
47-Ag-115g
47-Ag-115m1
Cross Section (barns)
Incident Energy (MeV)
20
48-Cd-117m

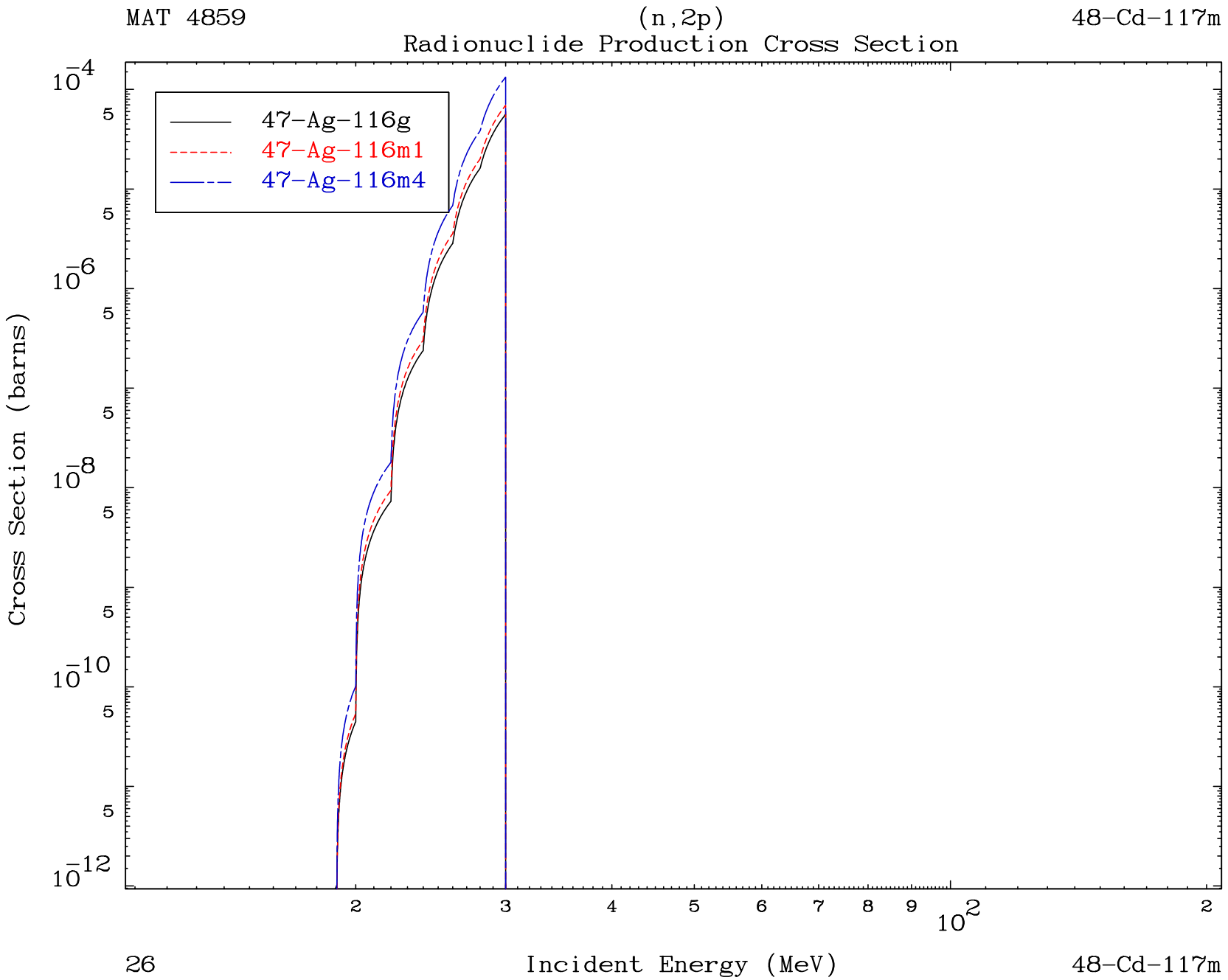

MAT 4859
(n,γ)
48-Cd-117m
Radionuclide Production Cross Section
49-In-118g
49-In-118m1
49-In-118m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
21
48-Cd-117m

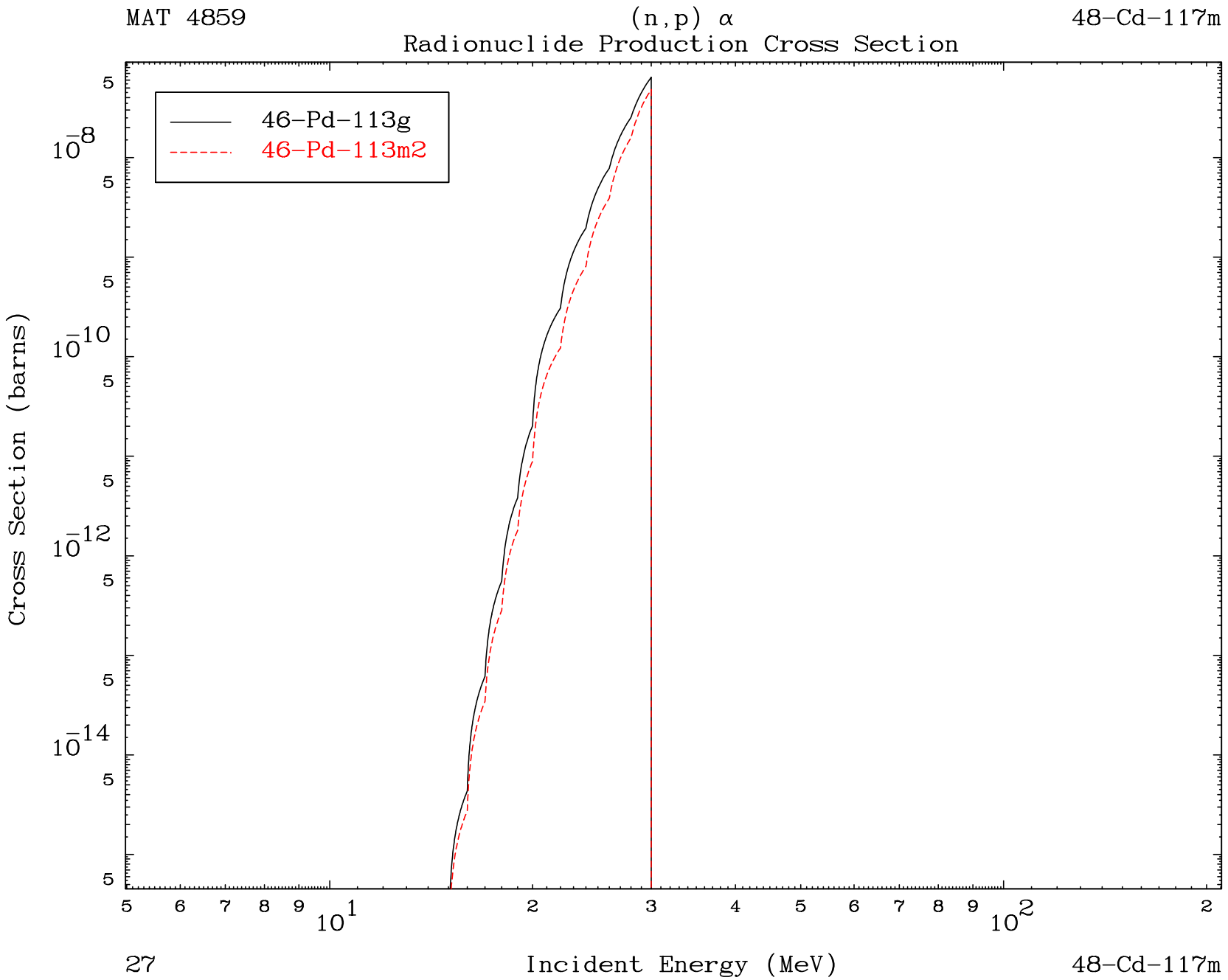

MAT 4859
(n,p)
48-Cd-117m
Radionuclide Production Cross Section
48-Cd-117g
48-Cd-117m2
Cross Section (barns)
Incident Energy (MeV)
22
48-Cd-117m

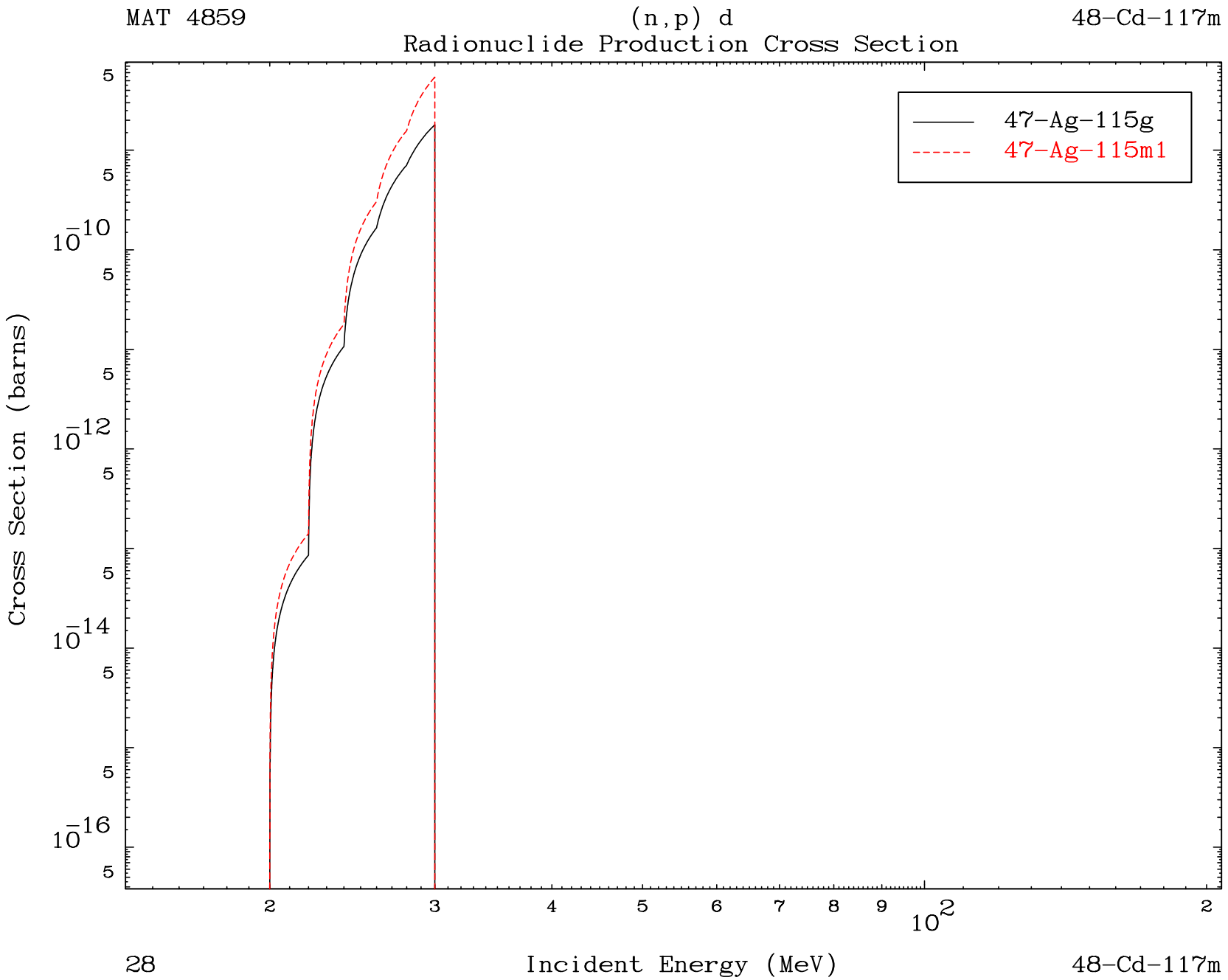

MAT 4859
(n,t)
48-Cd-117m
Radionuclide Production Cross Section
48-Cd-115g
48-Cd-115m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
23
48-Cd-117m


MAT 4859
(n,He-3)
48-Cd-117m
Radionuclide Production Cross Section
47-Ag-115g
47-Ag-115m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
24
48-Cd-117m


MAT 4859
(n,2α)
48-Cd-117m
Radionuclide Production Cross Section
45-Rh-110g
45-Rh-110m6
Cross Section (barns)
Incident Energy (MeV)
25
48-Cd-117m


MAT 4859
(n,2p)
48-Cd-117m
Radionuclide Production Cross Section
47-Ag-116g
47-Ag-116m1
47-Ag-116m4
Cross Section (barns)
Incident Energy (MeV)
26
48-Cd-117m


MAT 4859
(n,p) α
48-Cd-117m
Radionuclide Production Cross Section
46-Pd-113g
46-Pd-113m2
Cross Section (barns)
Incident Energy (MeV)
27
48-Cd-117m


MAT 4859
(n,p) d
48-Cd-117m
Radionuclide Production Cross Section
47-Ag-115g
47-Ag-115m1
Cross Section (barns)
Incident Energy (MeV)
28
48-Cd-117m