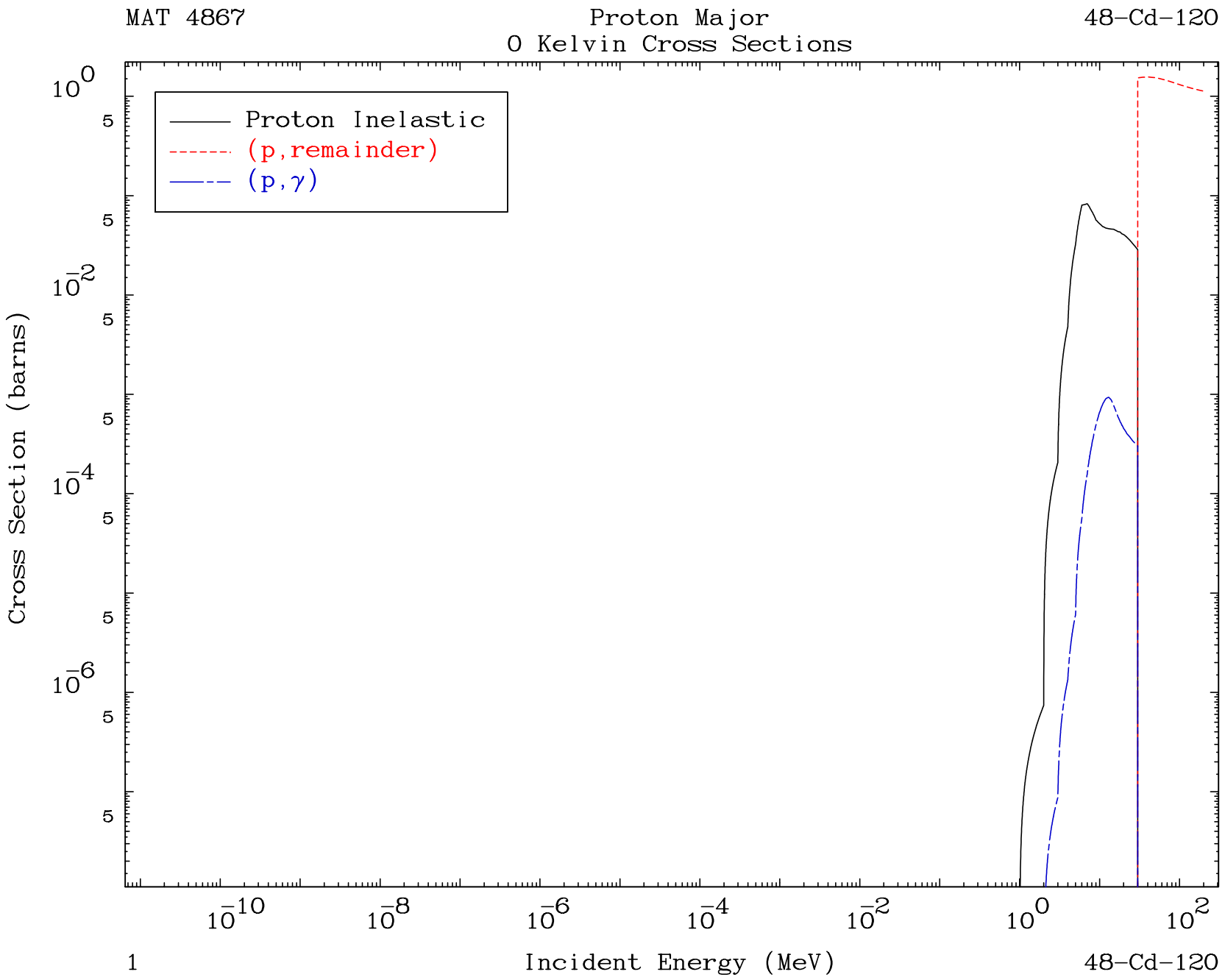
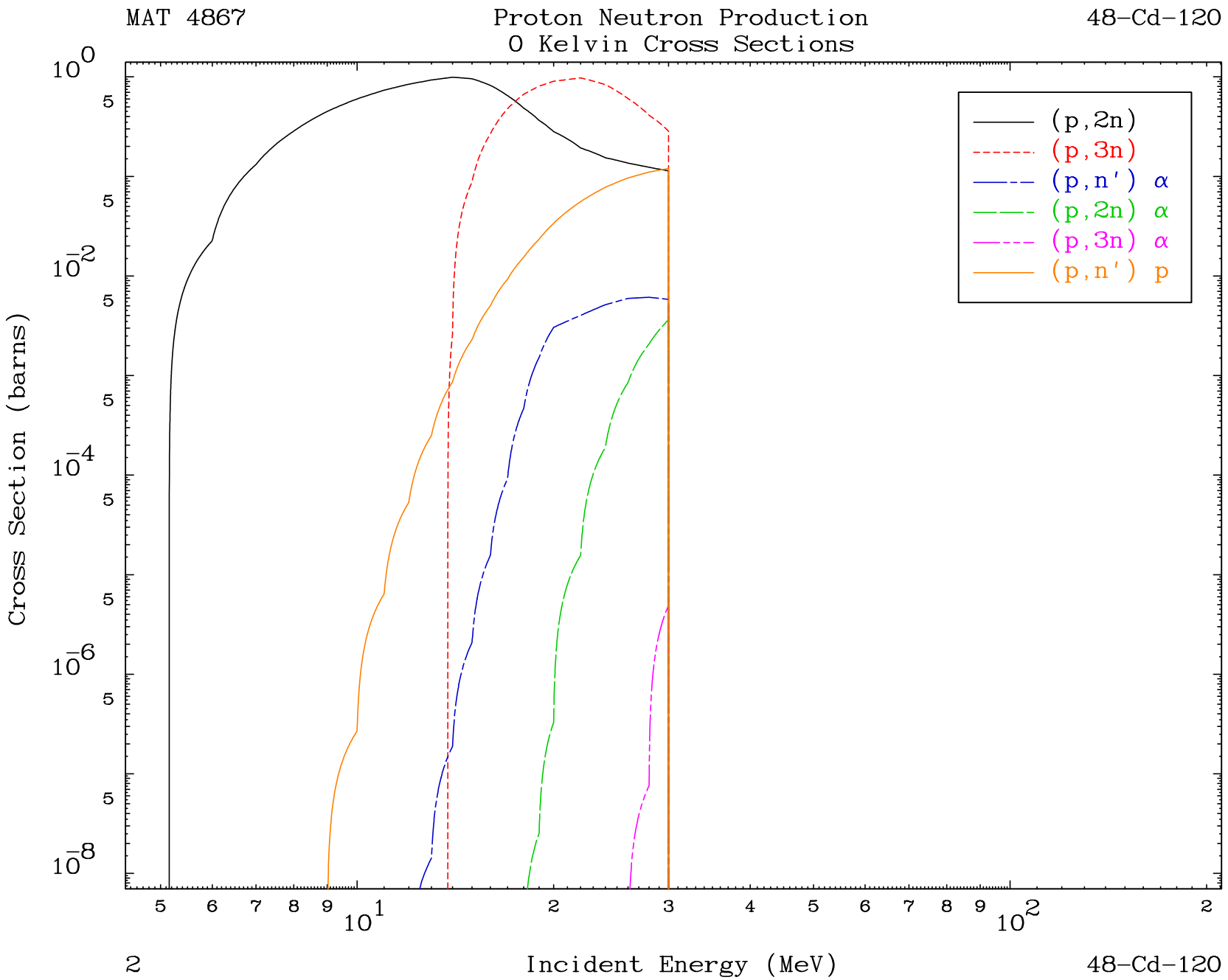
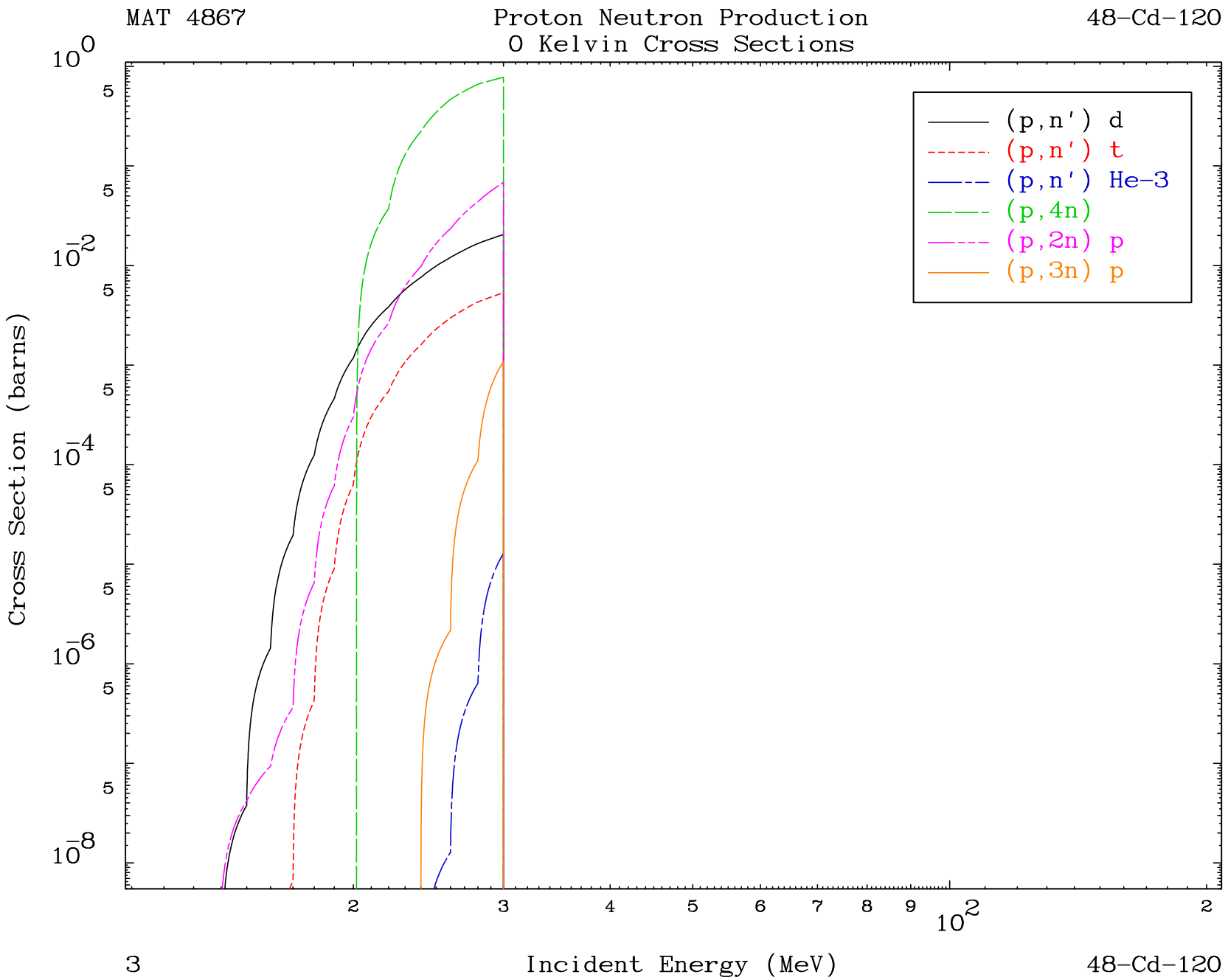
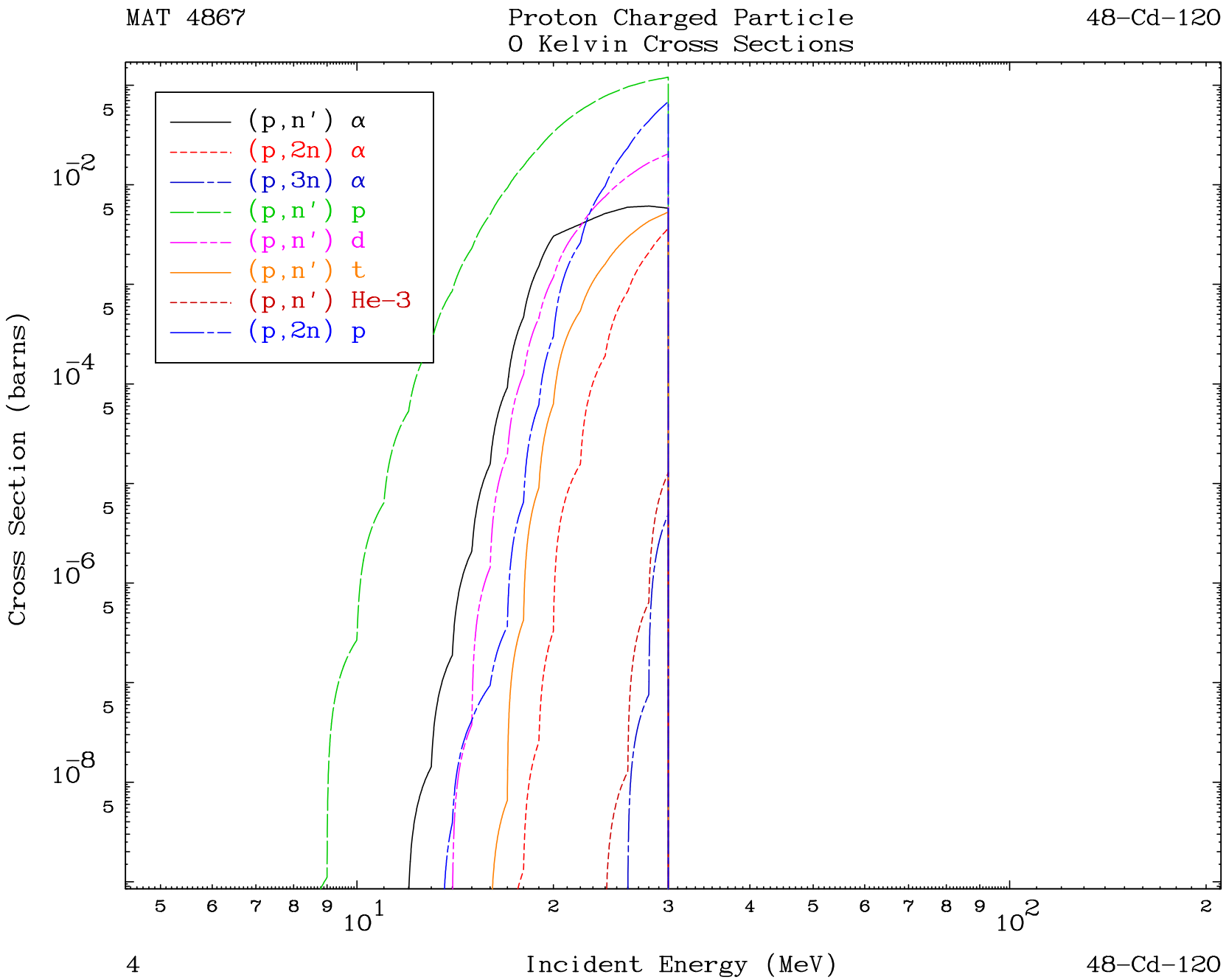
Program EVALPLOT
(Version 2017-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

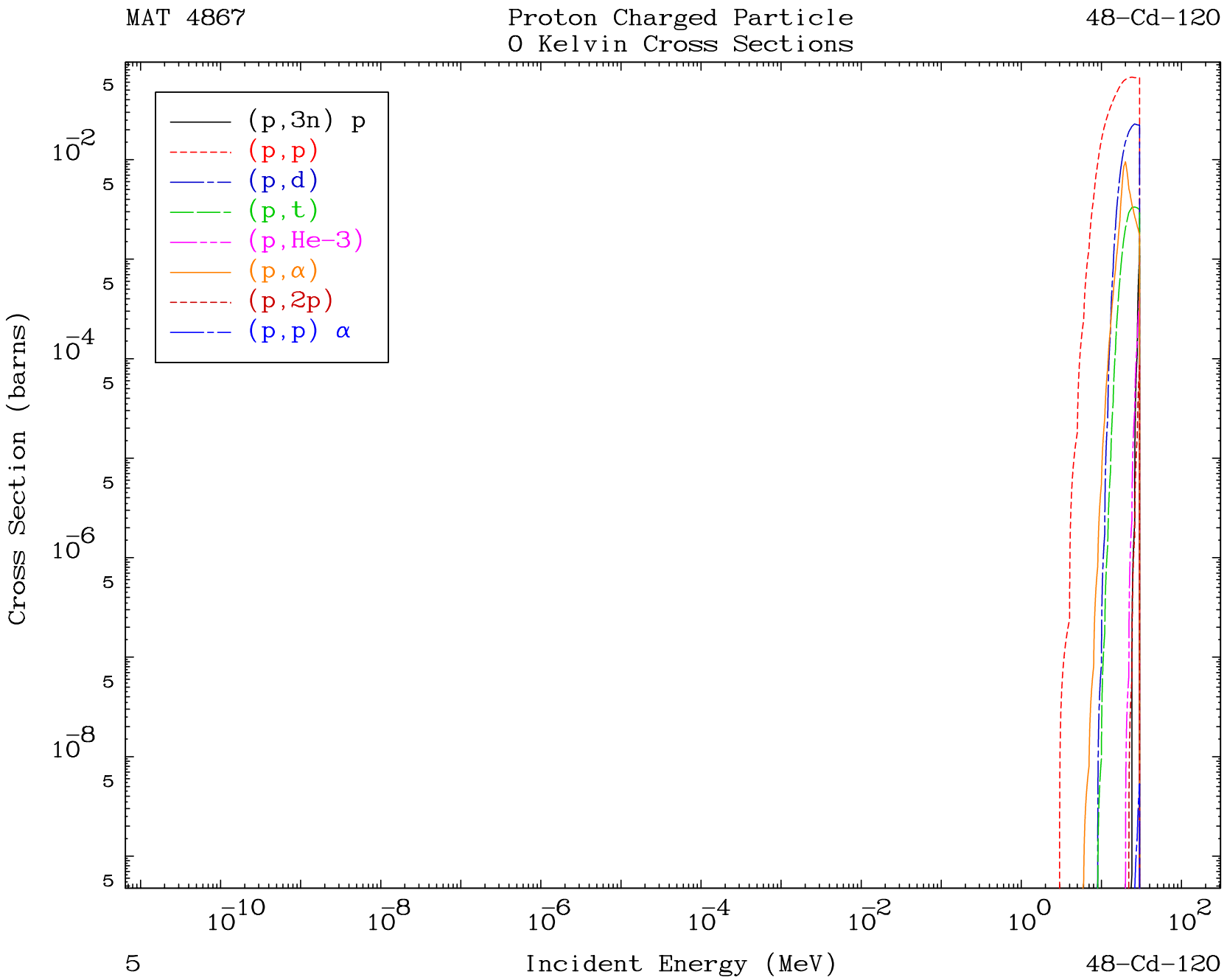
Press Mouse Button to Start

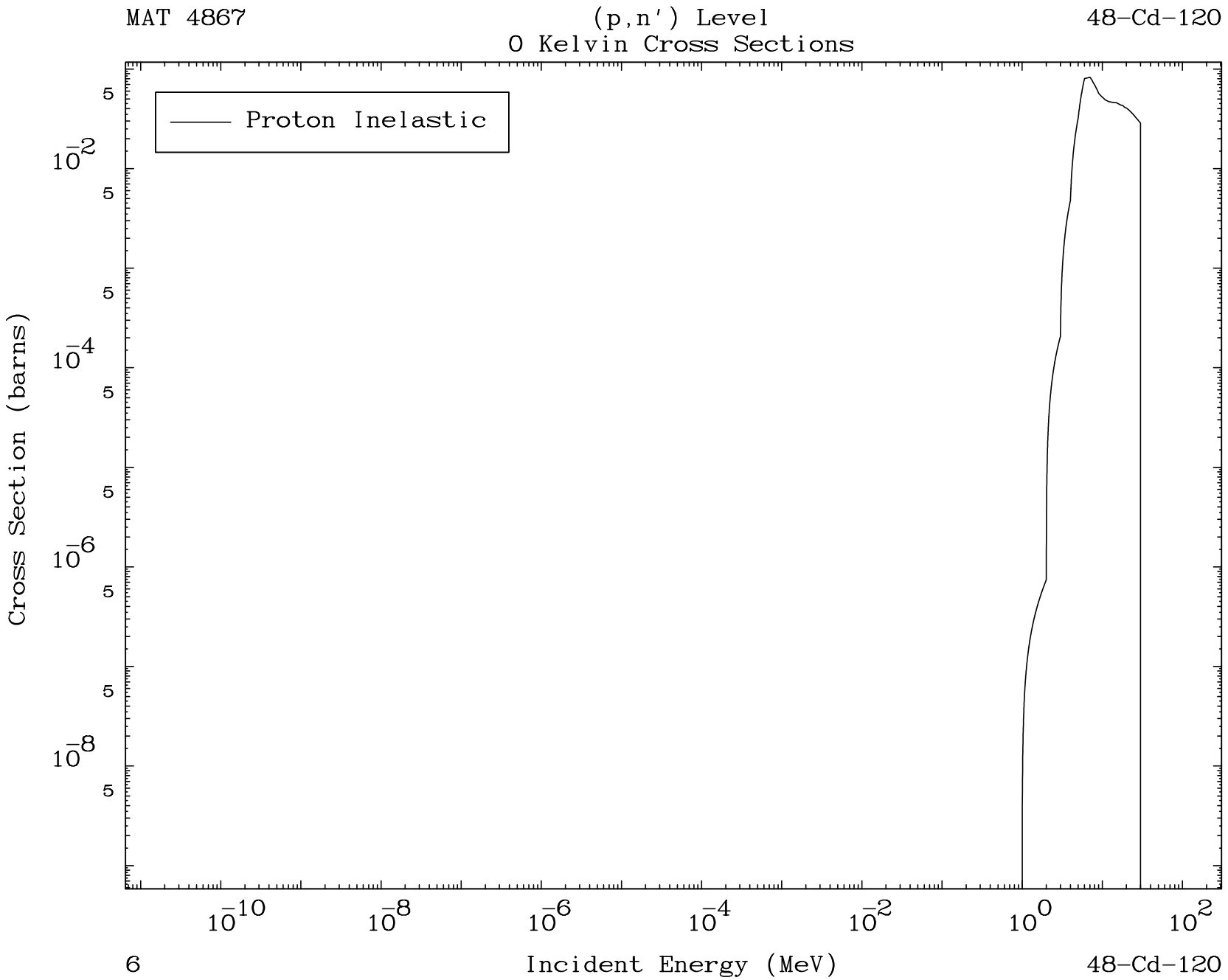

MAT 4867
Proton Major
48-Cd-120
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
48-Cd-120
1

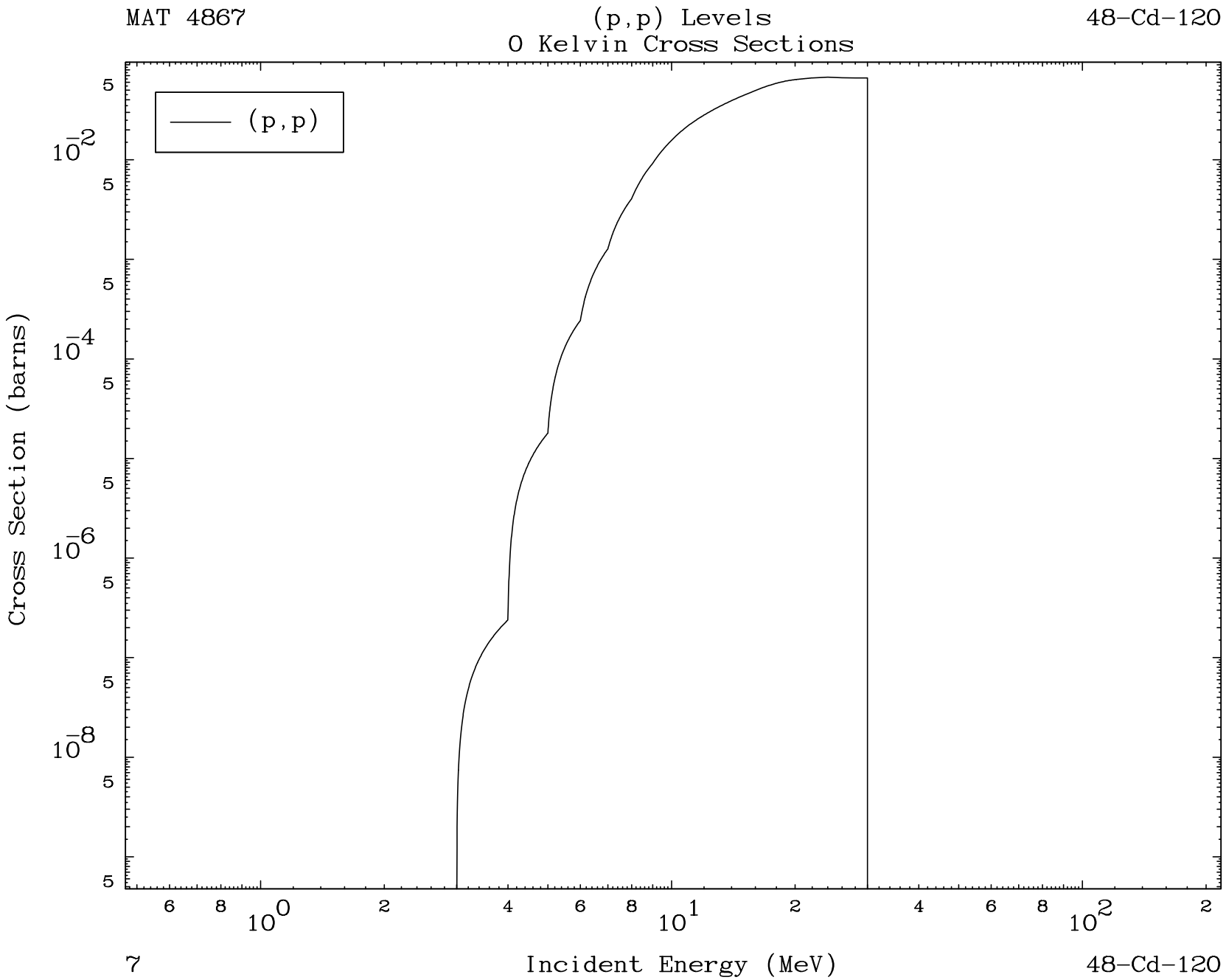

MAT 4867
Proton Neutron Production
0 Kelvin Cross Sections
48-Cd-120
Cross Section (barns)
Incident Energy (MeV)
48-Cd-120
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p

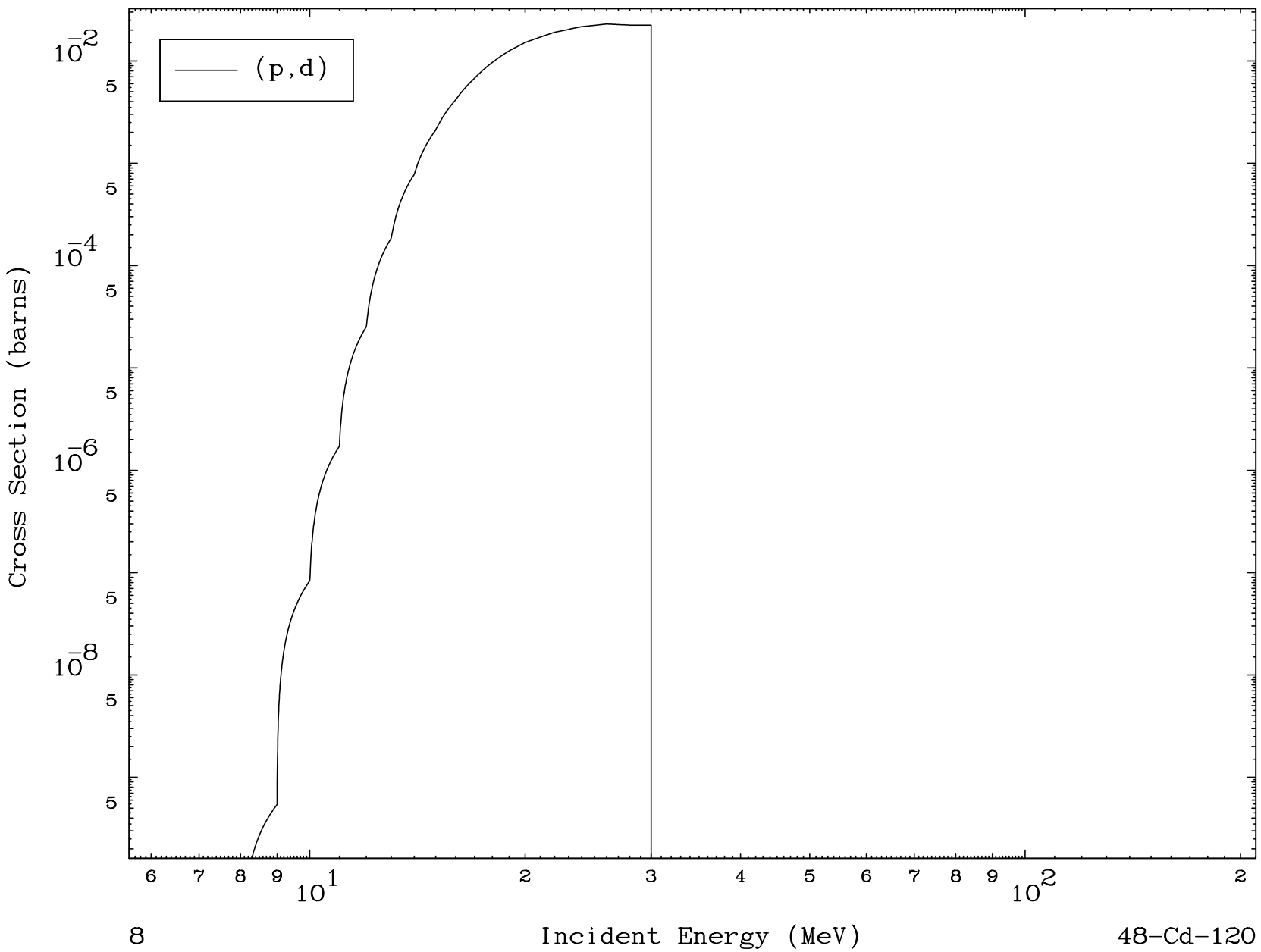

MAT 4867
Proton Neutron Production
0 Kelvin Cross Sections
48-Cd-120
Cross Section (barns)
Incident Energy (MeV)
(p,n') d
(p,n') t
(p,n') He-3
(p,4n)
(p,2n) p
(p,3n) p
3
48-Cd-120

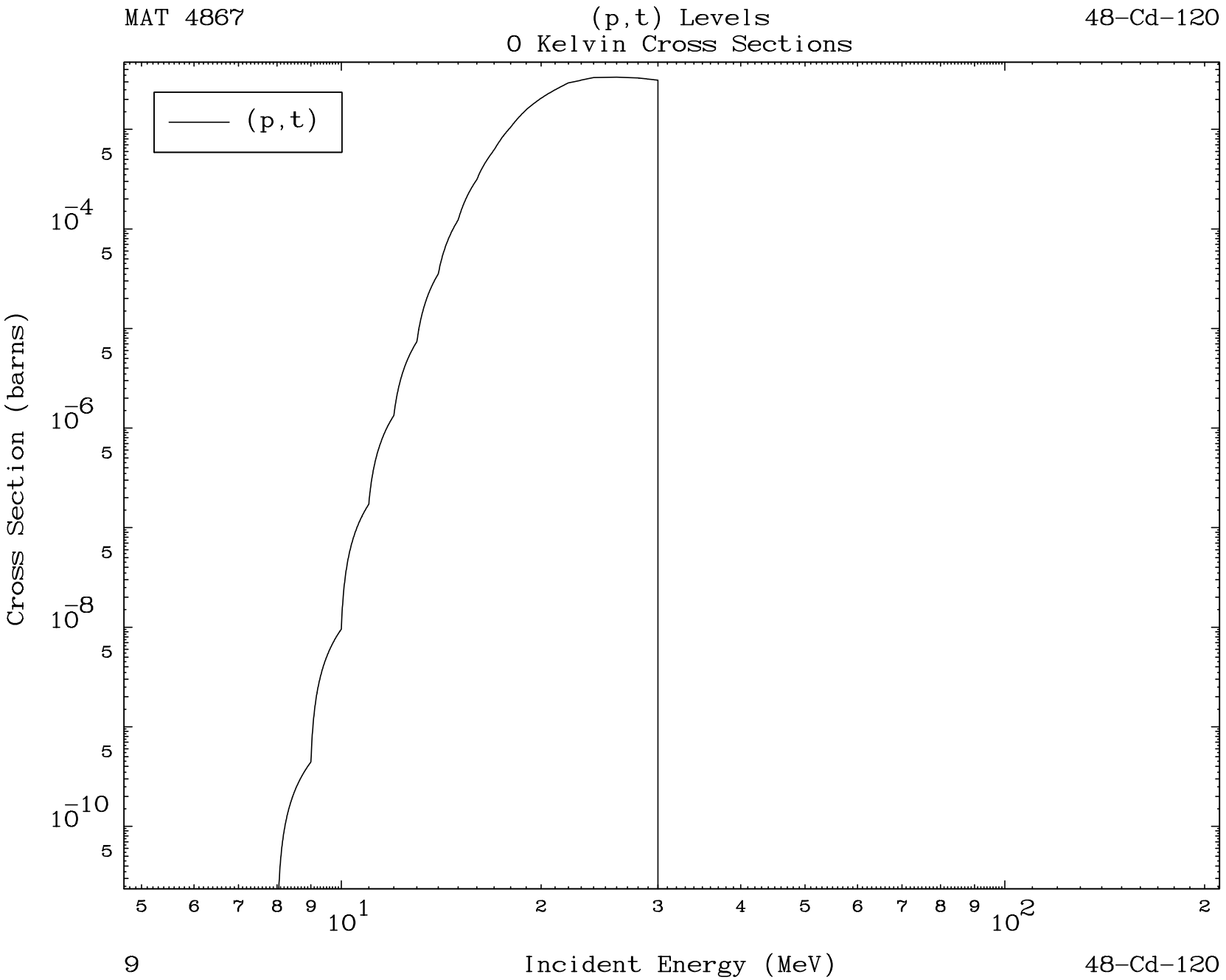

MAT 4867
Proton Charged Particle
0 Kelvin Cross Sections
48-Cd-120
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
Cross Section (barns)
Incident Energy (MeV)
4
48-Cd-120

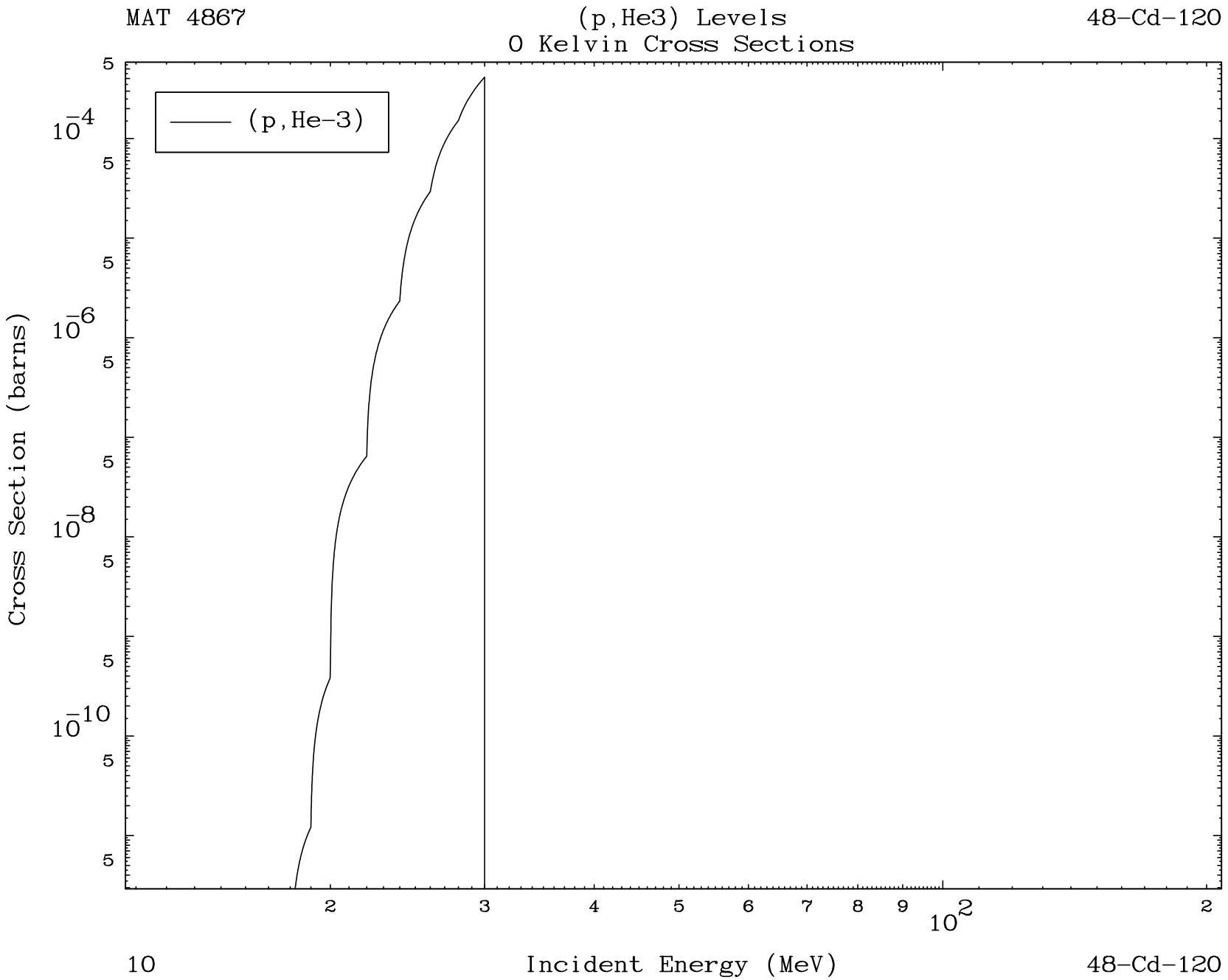

MAT 4867
Proton Charged Particle
0 Kelvin Cross Sections
48-Cd-120
(p,3n) p
(p,p)
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2p)
(p,p) α
Cross Section (barns)
Incident Energy (MeV)
48-Cd-120

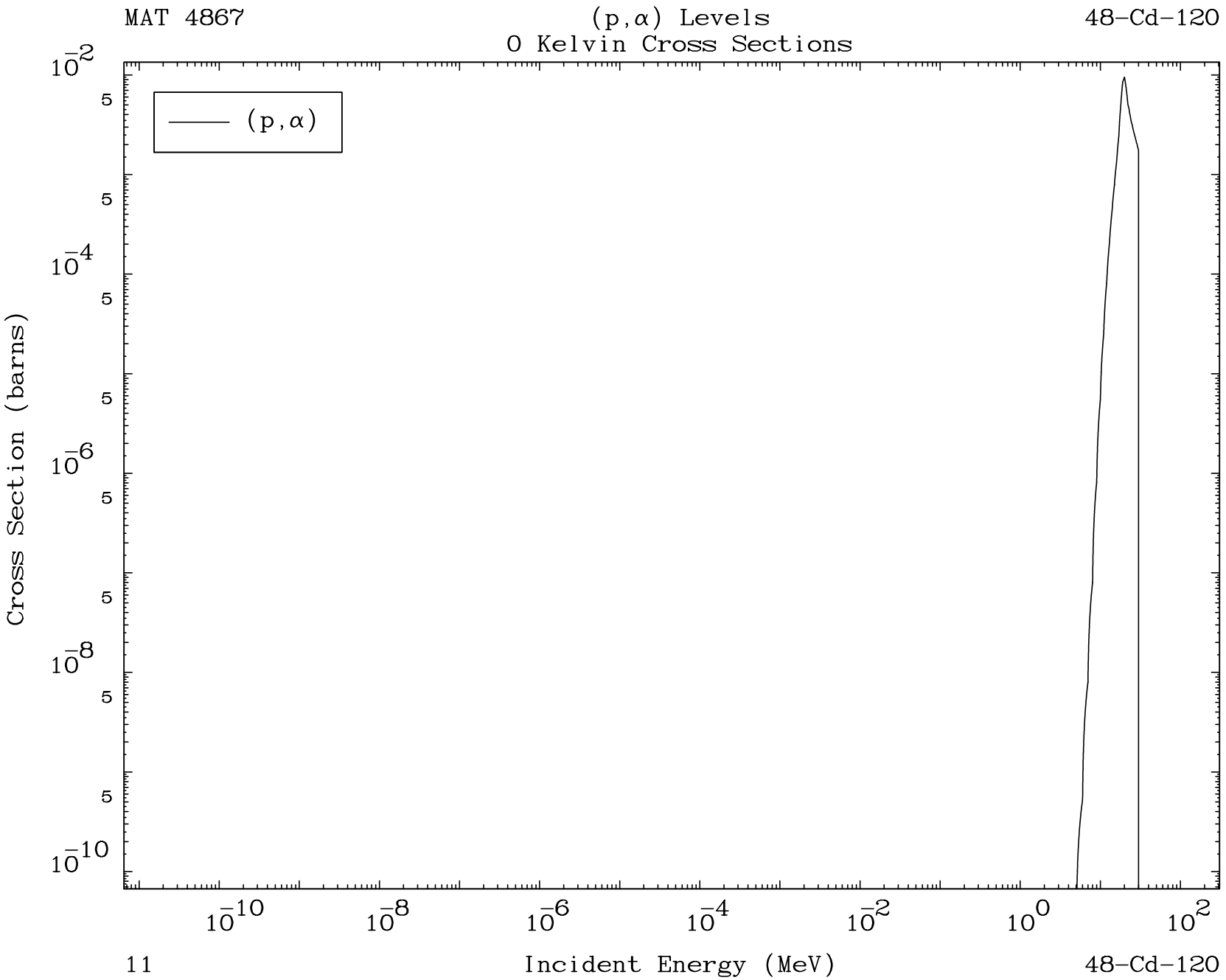

MAT 4867
(p,n') Level
48-Cd-120
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
Incident Energy (MeV)
48-Cd-120

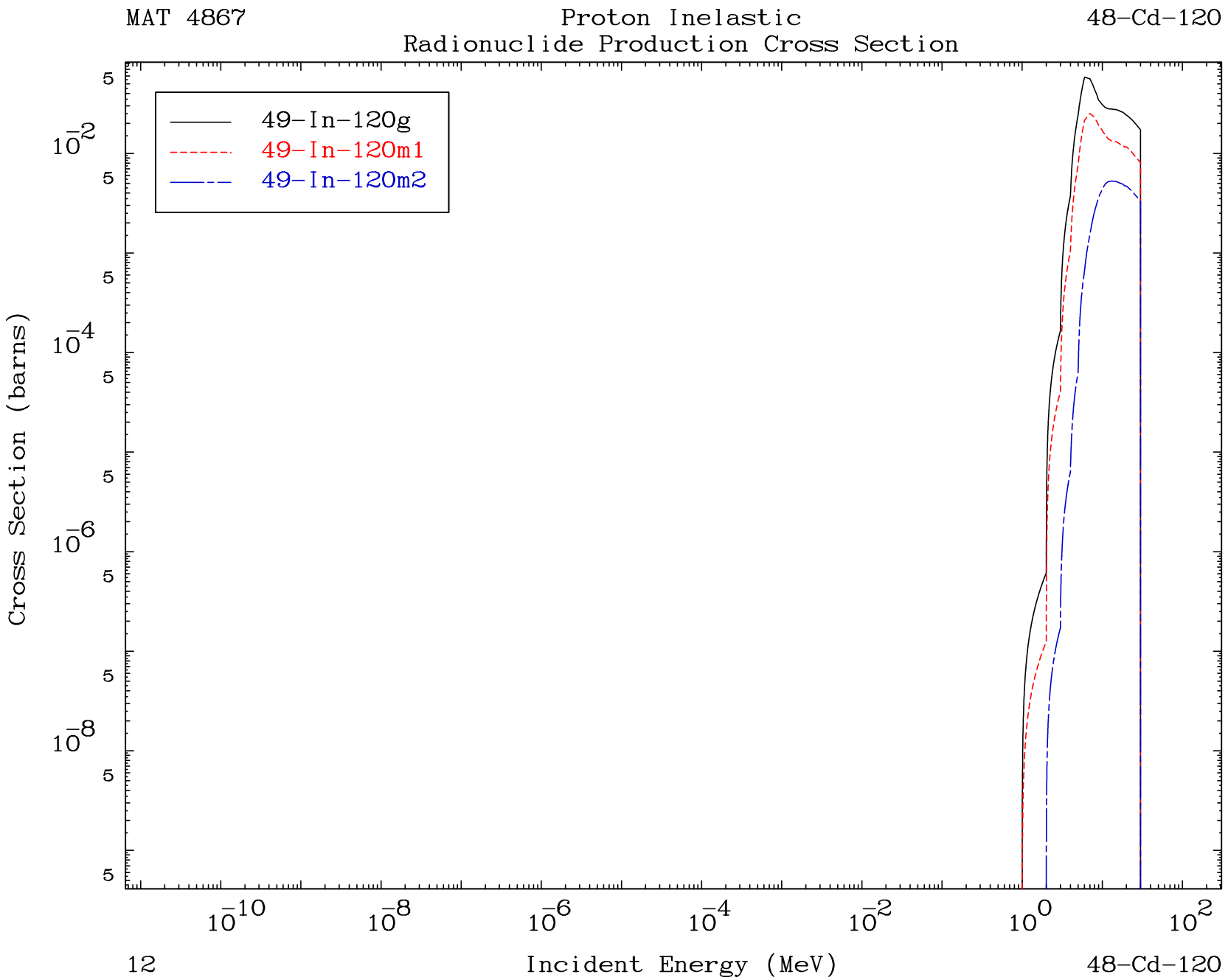

MAT 4867
(p,p) Levels
48-Cd-120
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
7
48-Cd-120

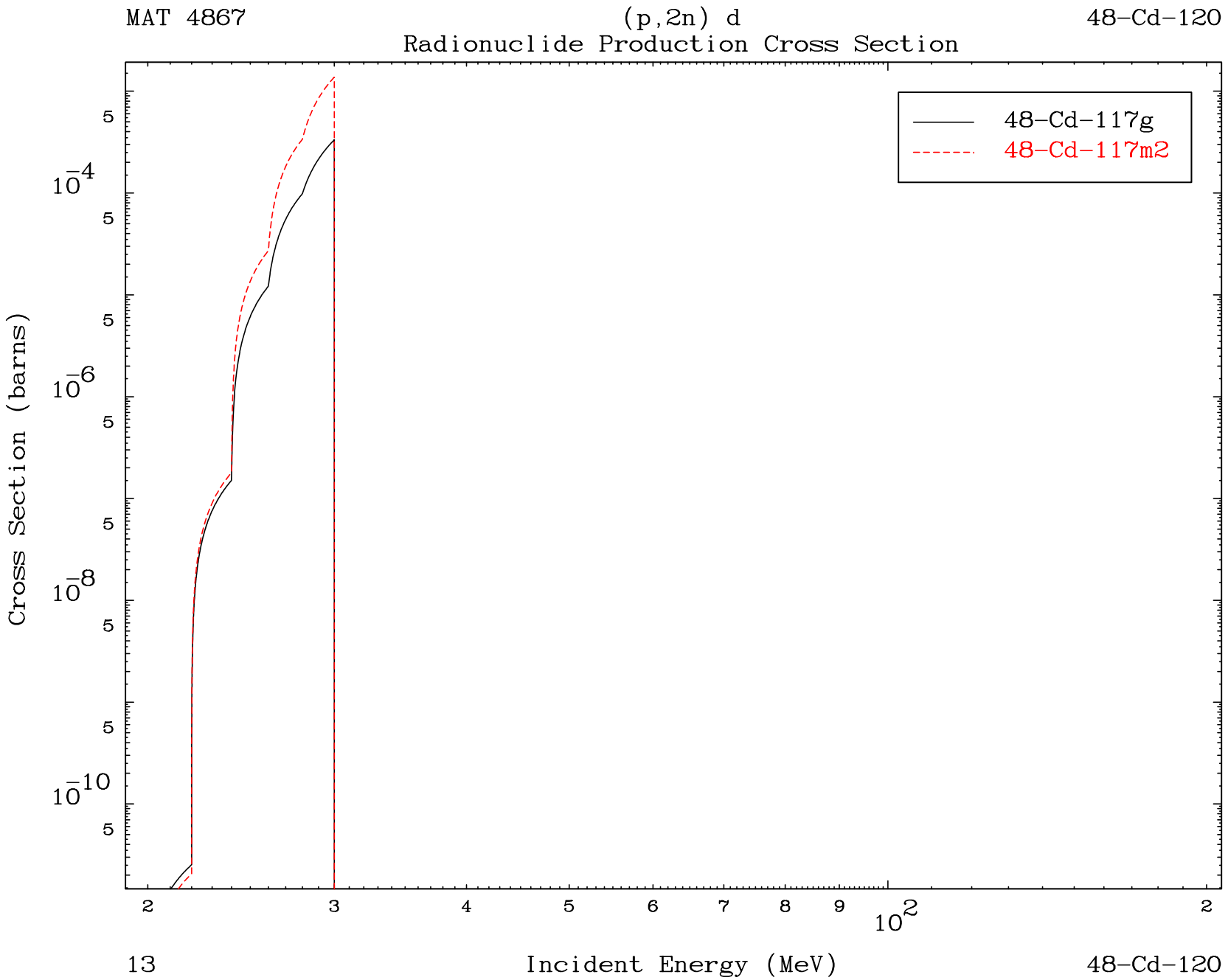

0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)

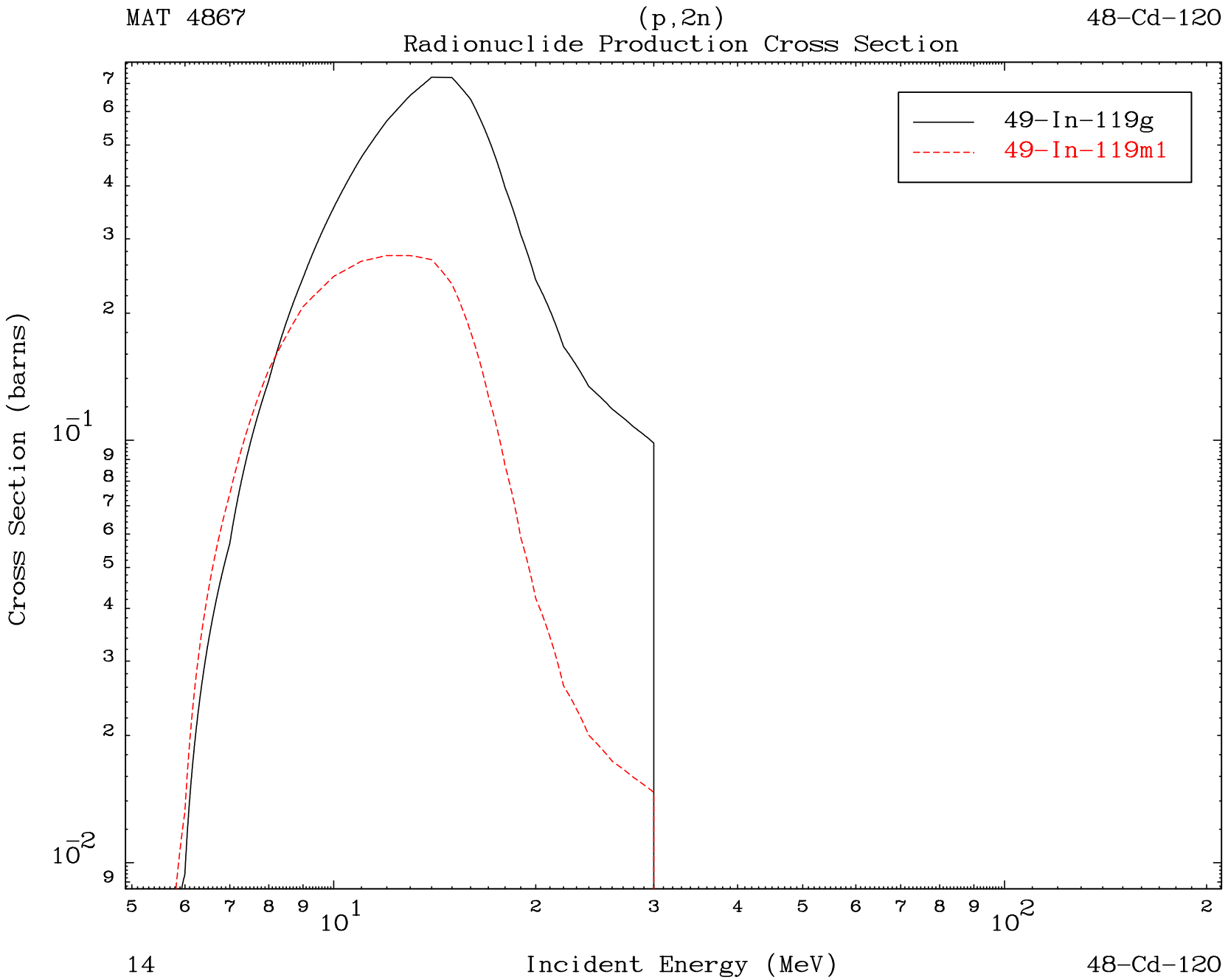

MAT 4867
(p,t) Levels
48-Cd-120
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
48-Cd-120

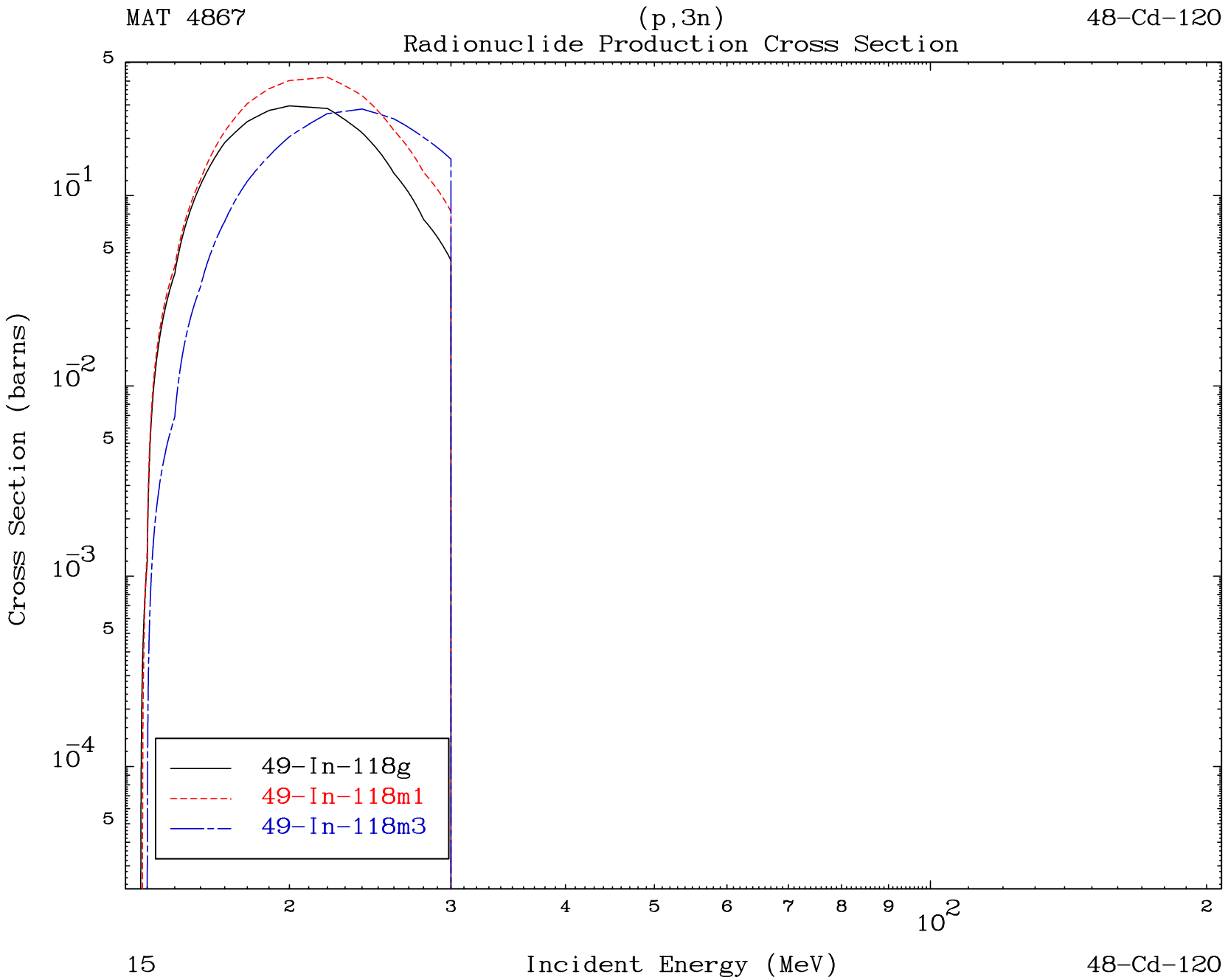

MAT 4867
(p,He3) Levels
48-Cd-120
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^2
48-Cd-120

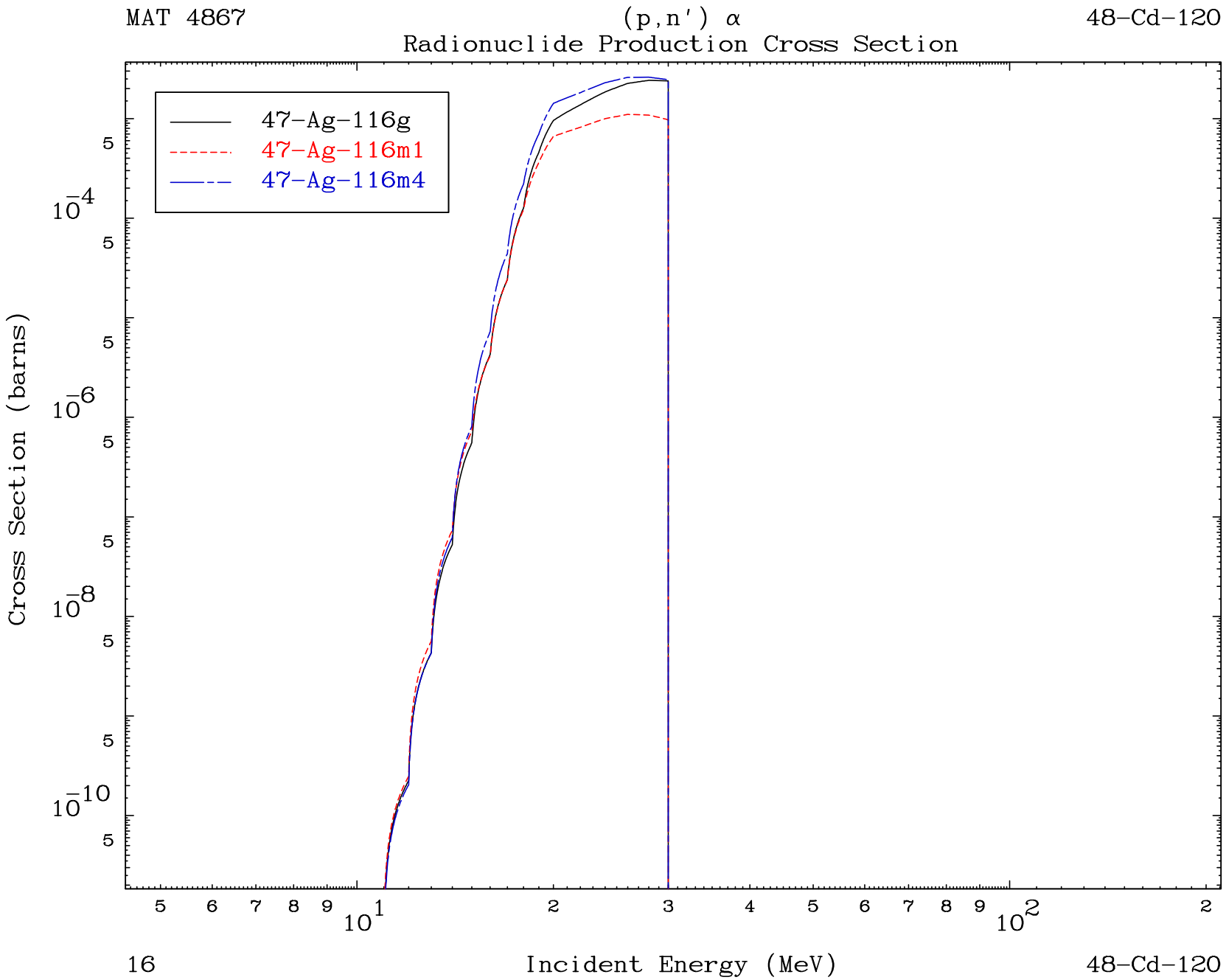

MAT 4867
(p,α) Levels
48-Cd-120
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
11
48-Cd-120

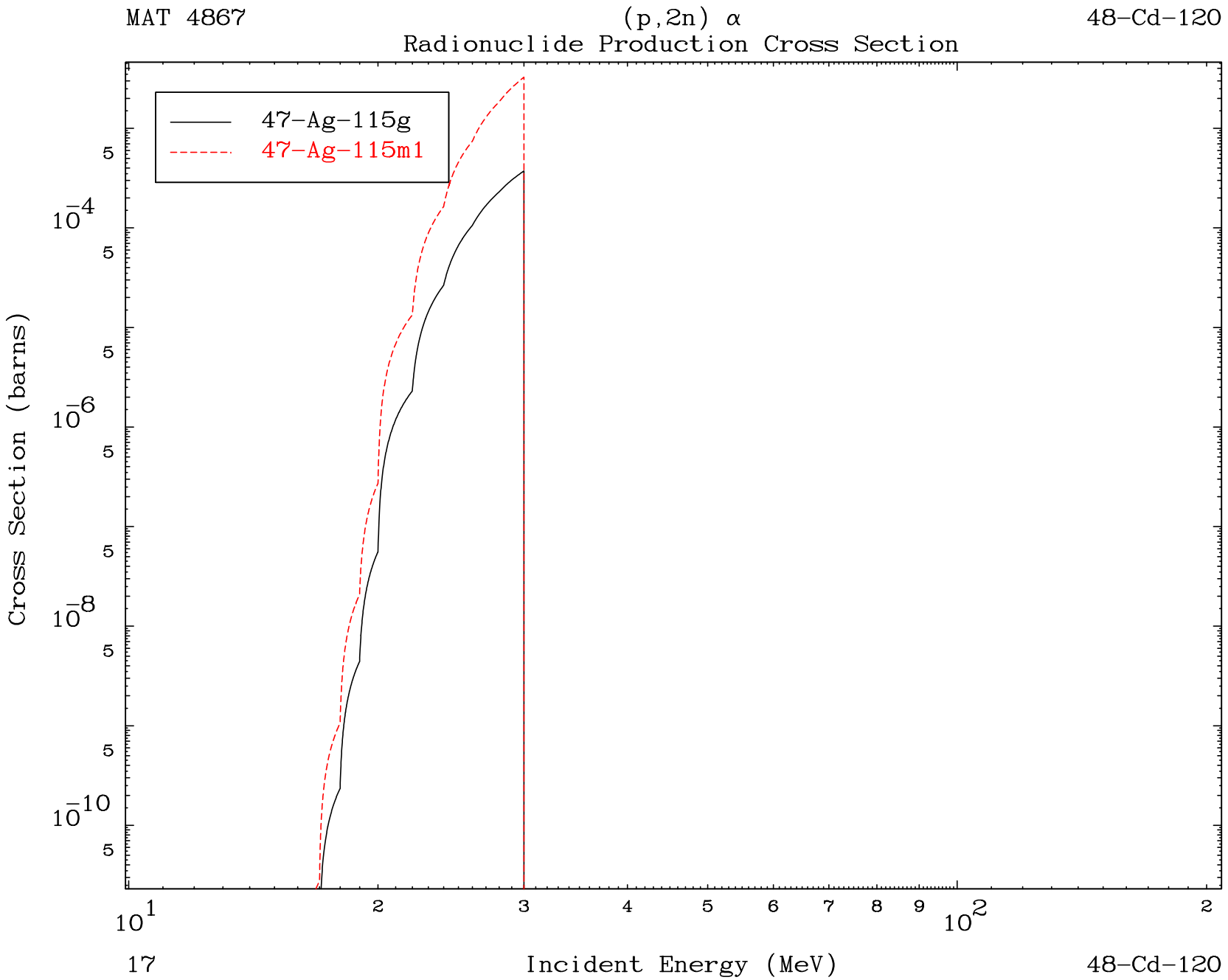

MAT 4867
Proton Inelastic
48-Cd-120
Radionuclide Production Cross Section
49-In-120g
49-In-120m1
49-In-120m2
Cross Section (barns)
Incident Energy (MeV)
12
48-Cd-120

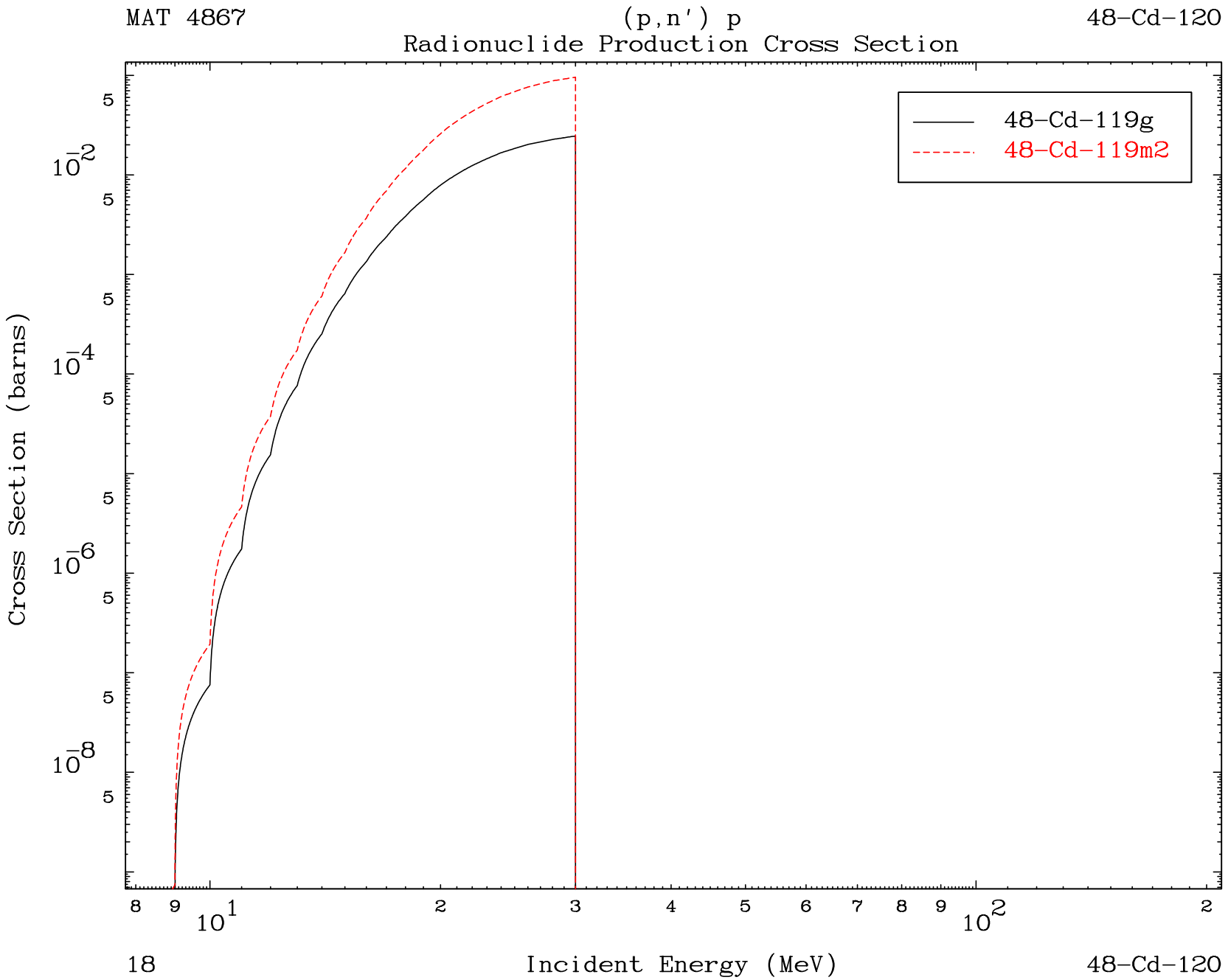

MAT 4867
(p,2n) d
48-Cd-120
Radionuclide Production Cross Section
48-Cd-117g
48-Cd-117m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
48-Cd-120

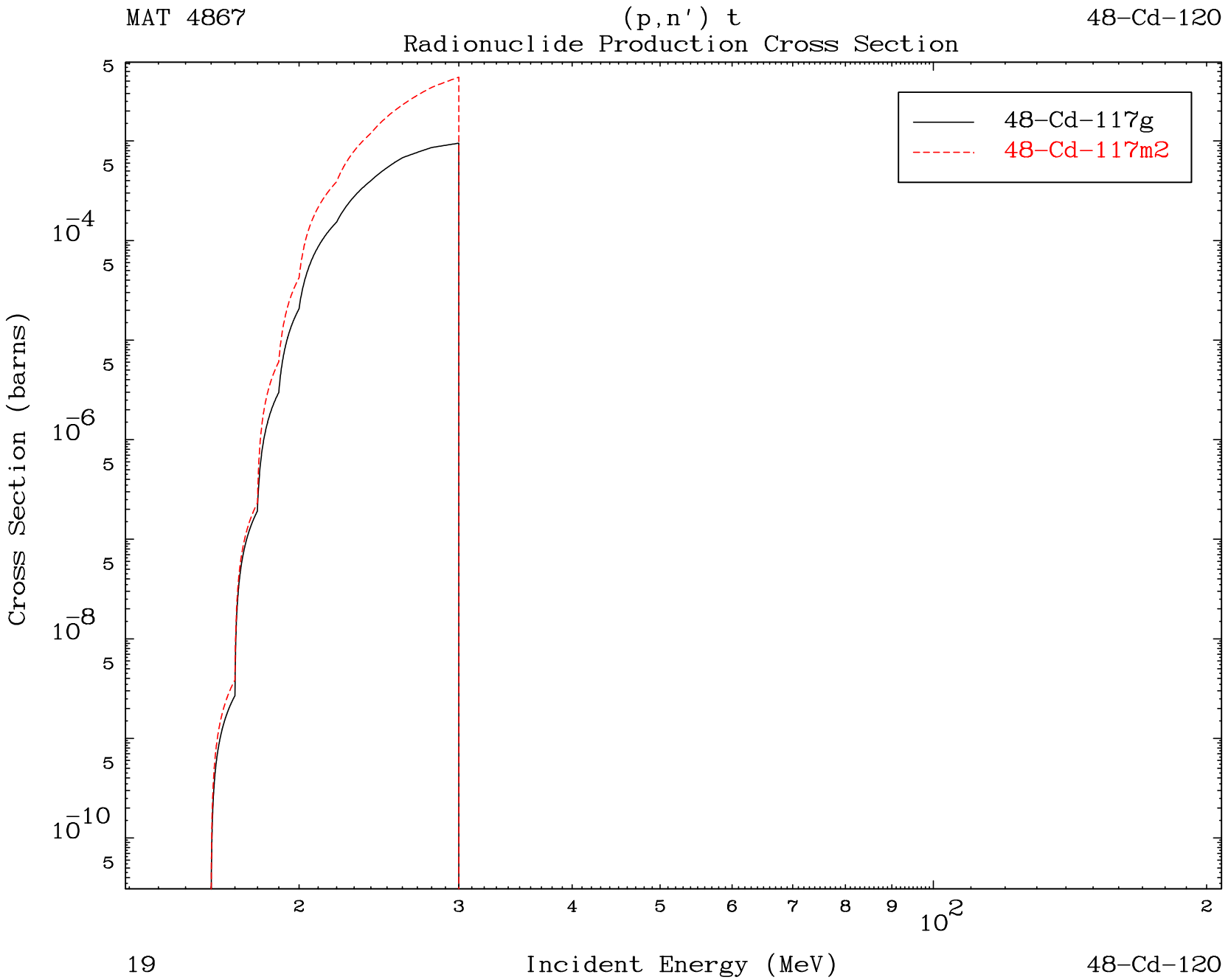

MAT 4867
(p,2n)
48-Cd-120
Radionuclide Production Cross Section
49-In-119g
49-In-119m1
Cross Section (barns)
Incident Energy (MeV)
14
48-Cd-120

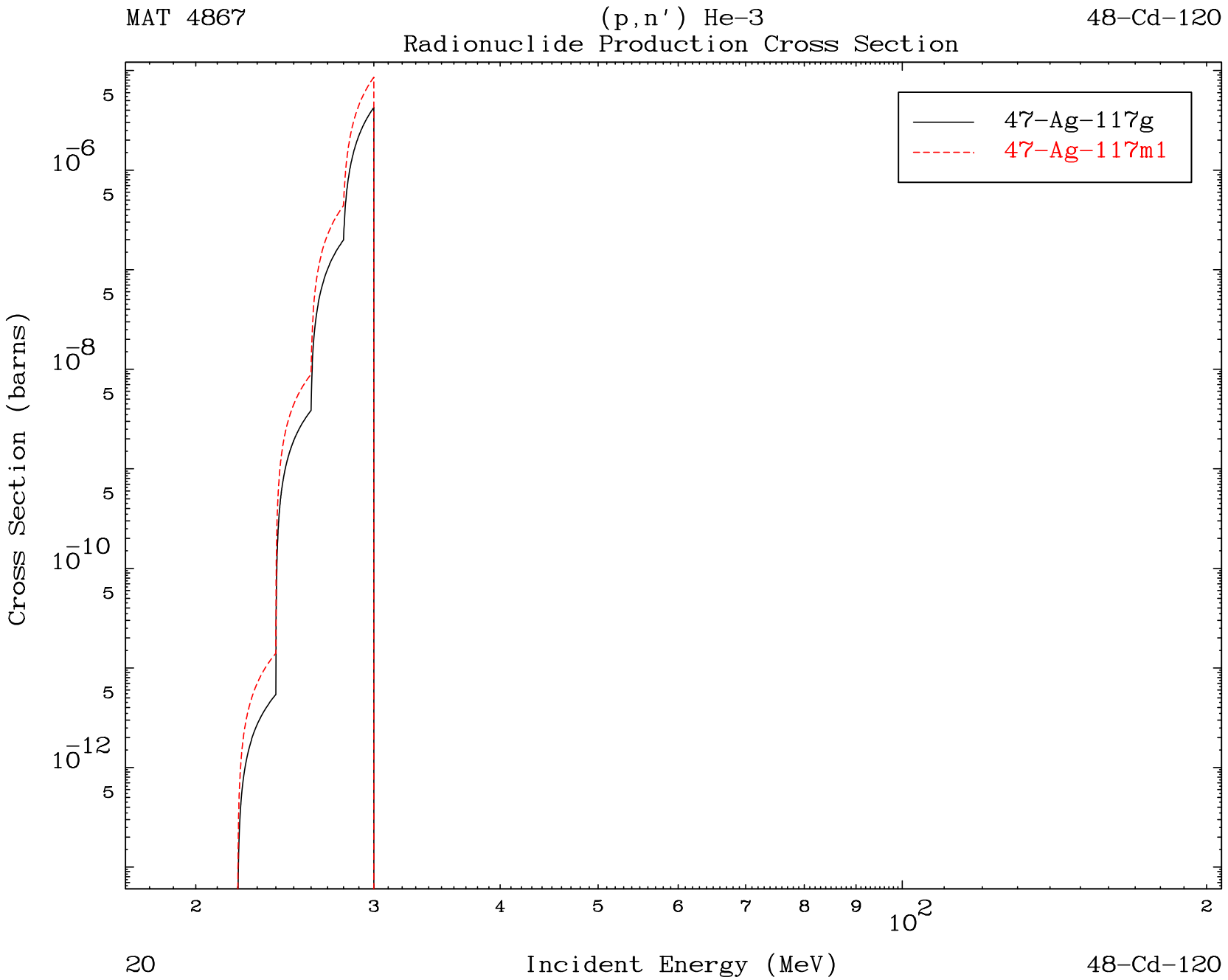

MAT 4867
(p,3n)
48-Cd-120
Radionuclide Production Cross Section
Cross Section (barns)
10-1
10-2
10-3
10-4
5
49-In-118g
49-In-118m1
49-In-118m3
2
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
48-Cd-120

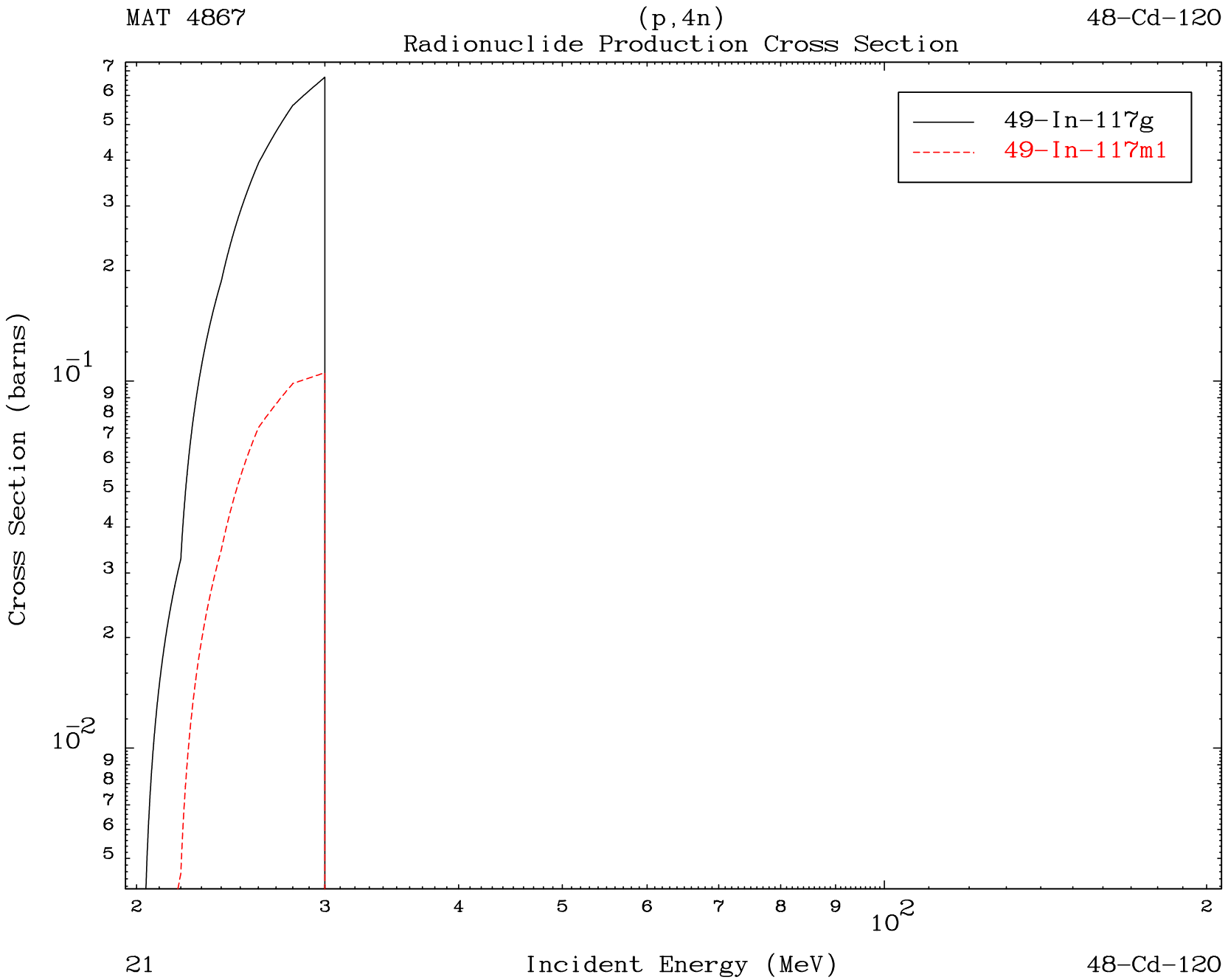

MAT 4867
(p,n') α
48-Cd-120
Radionuclide Production Cross Section
47-Ag-116g
47-Ag-116m1
47-Ag-116m4
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
6
7
8
9
10^1
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
48-Cd-120

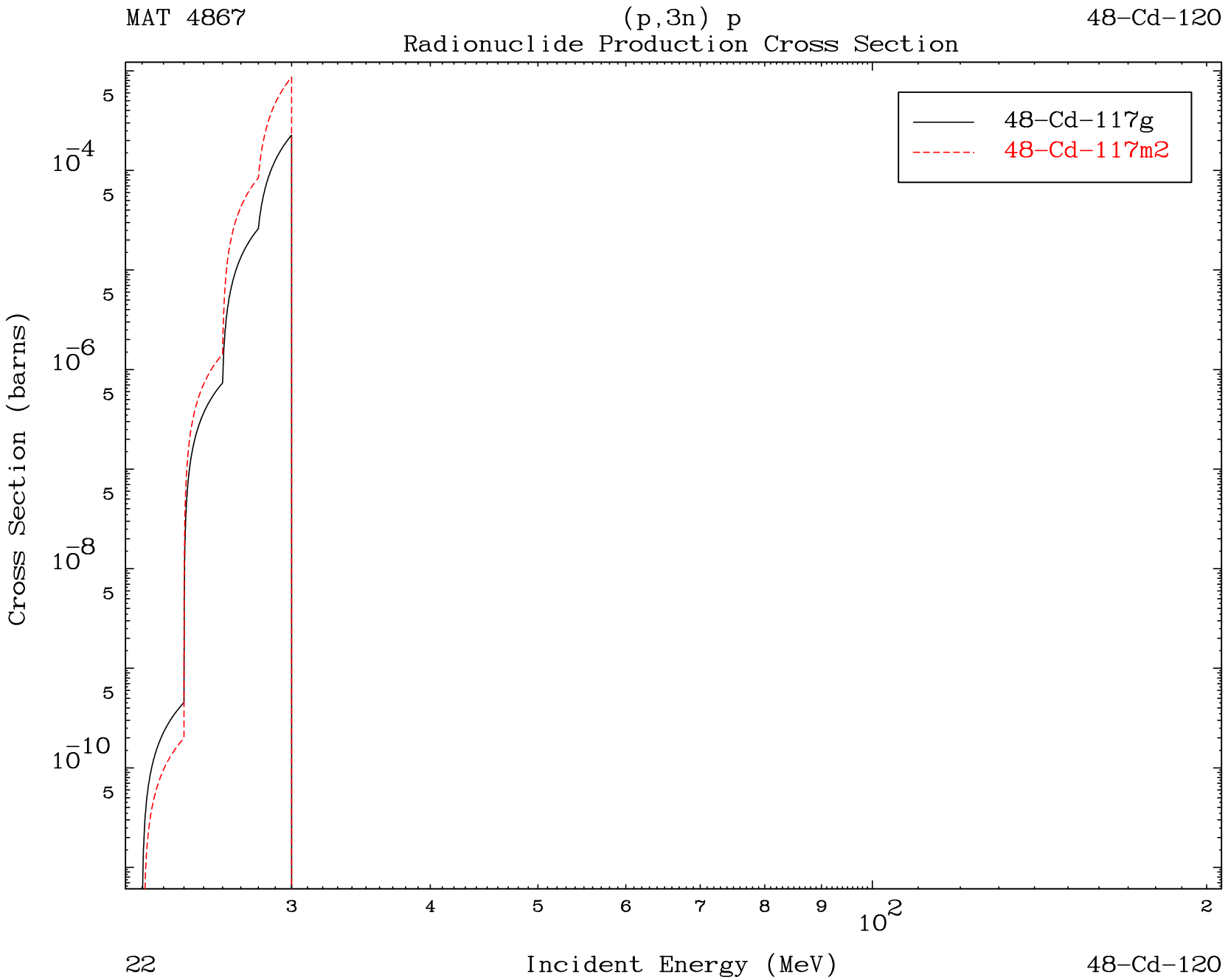

MAT 4867
(p,2n) α
48-Cd-120
Radionuclide Production Cross Section
47-Ag-115g
47-Ag-115m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
48-Cd-120

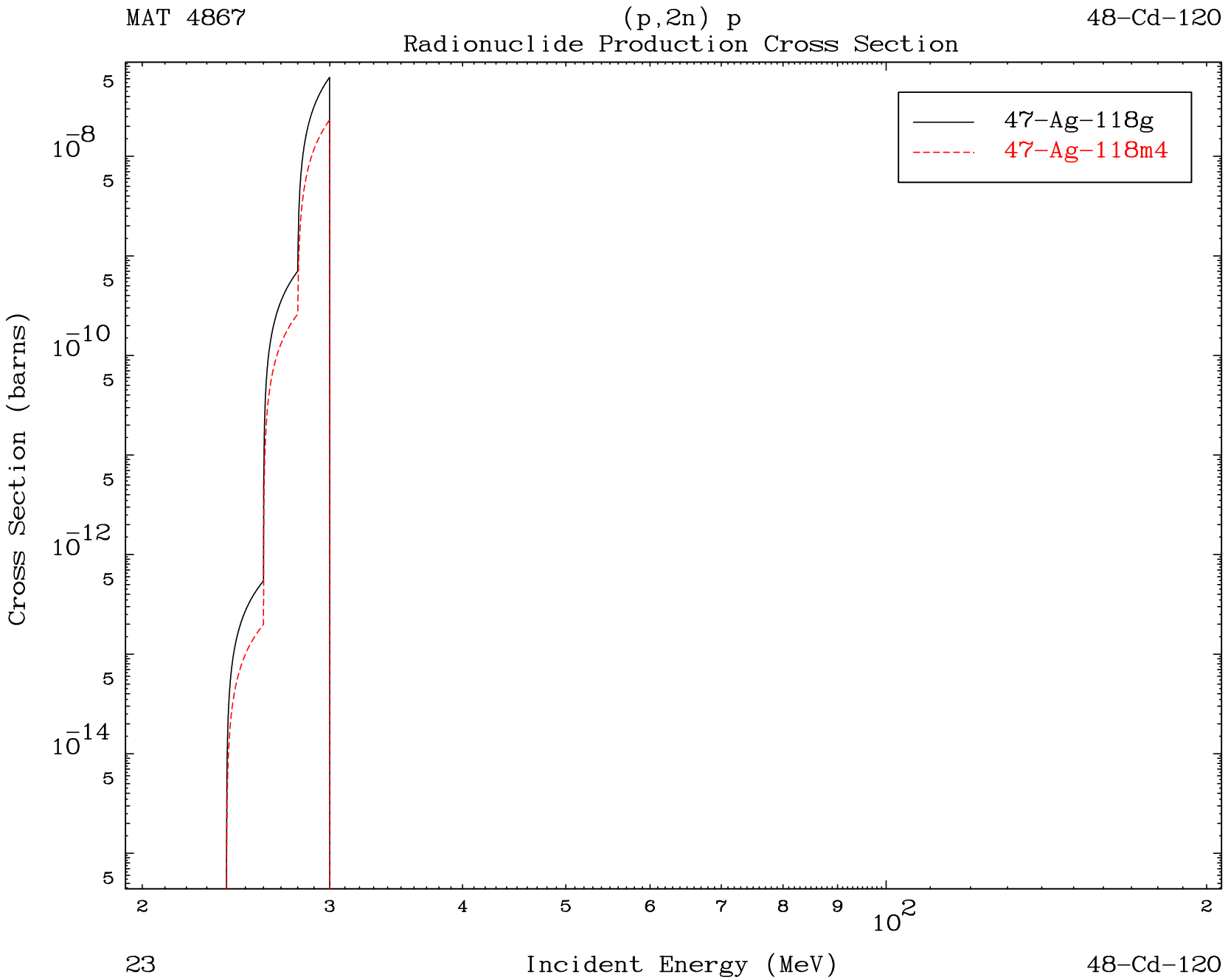

MAT 4867
(p,n') p
48-Cd-120
Radionuclide Production Cross Section
48-Cd-119g
48-Cd-119m2
Cross Section (barns)
Incident Energy (MeV)
18
48-Cd-120

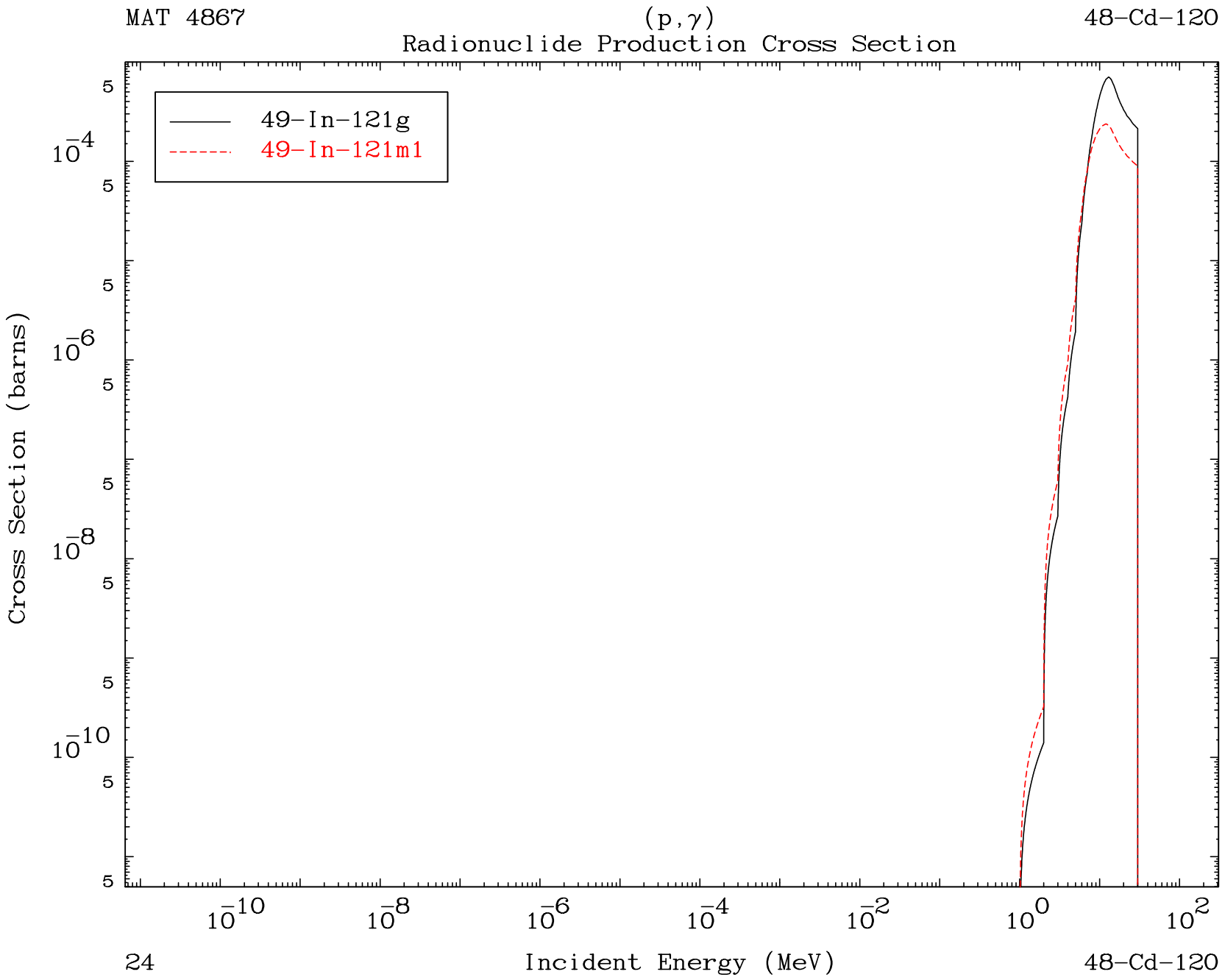

MAT 4867
(p,n') t
48-Cd-120
Radionuclide Production Cross Section
48-Cd-117g
48-Cd-117m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
48-Cd-120

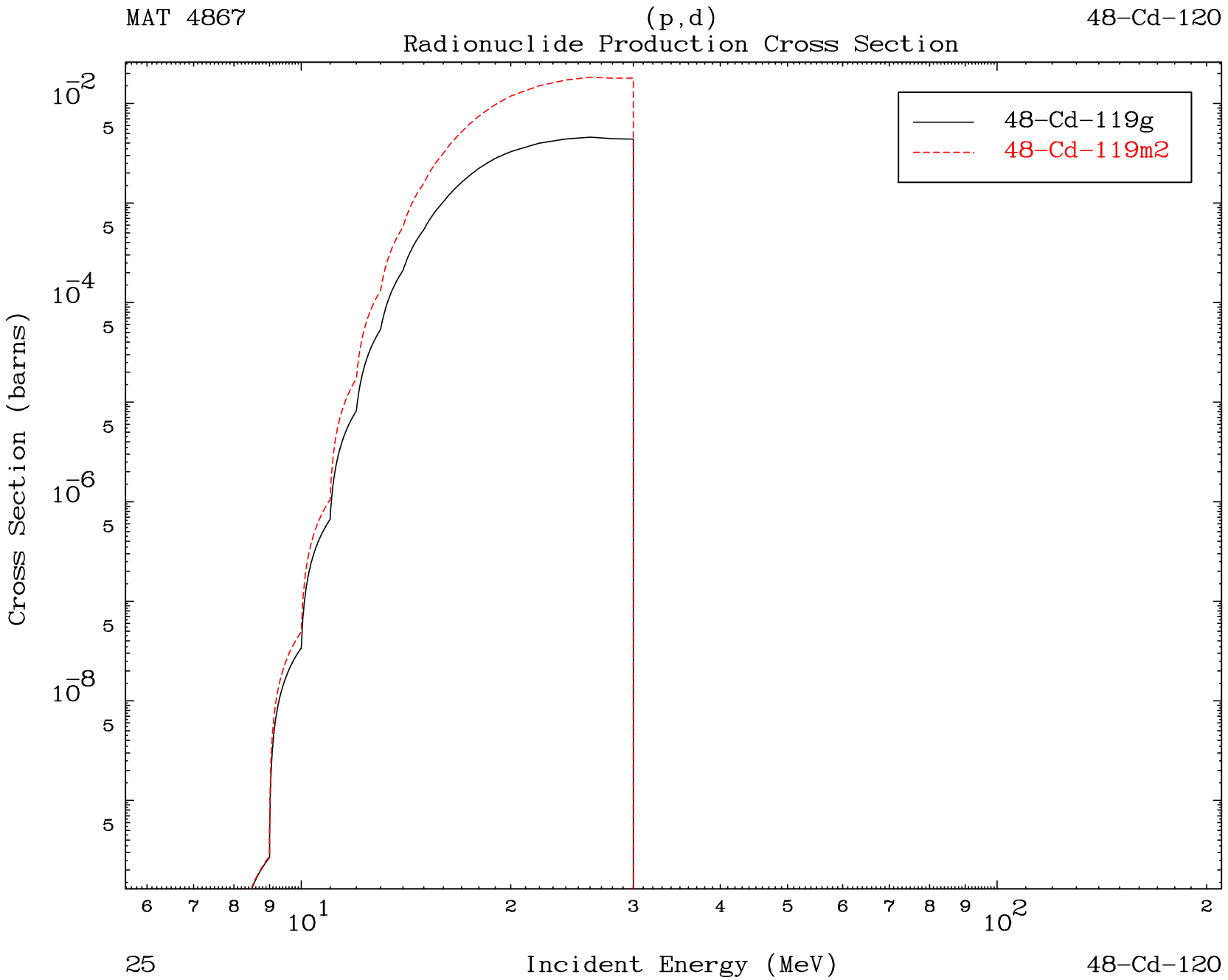

MAT 4867
(p,n') He-3
48-Cd-120
Radionuclide Production Cross Section
47-Ag-117g
47-Ag-117m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
20
Incident Energy (MeV)
48-Cd-120

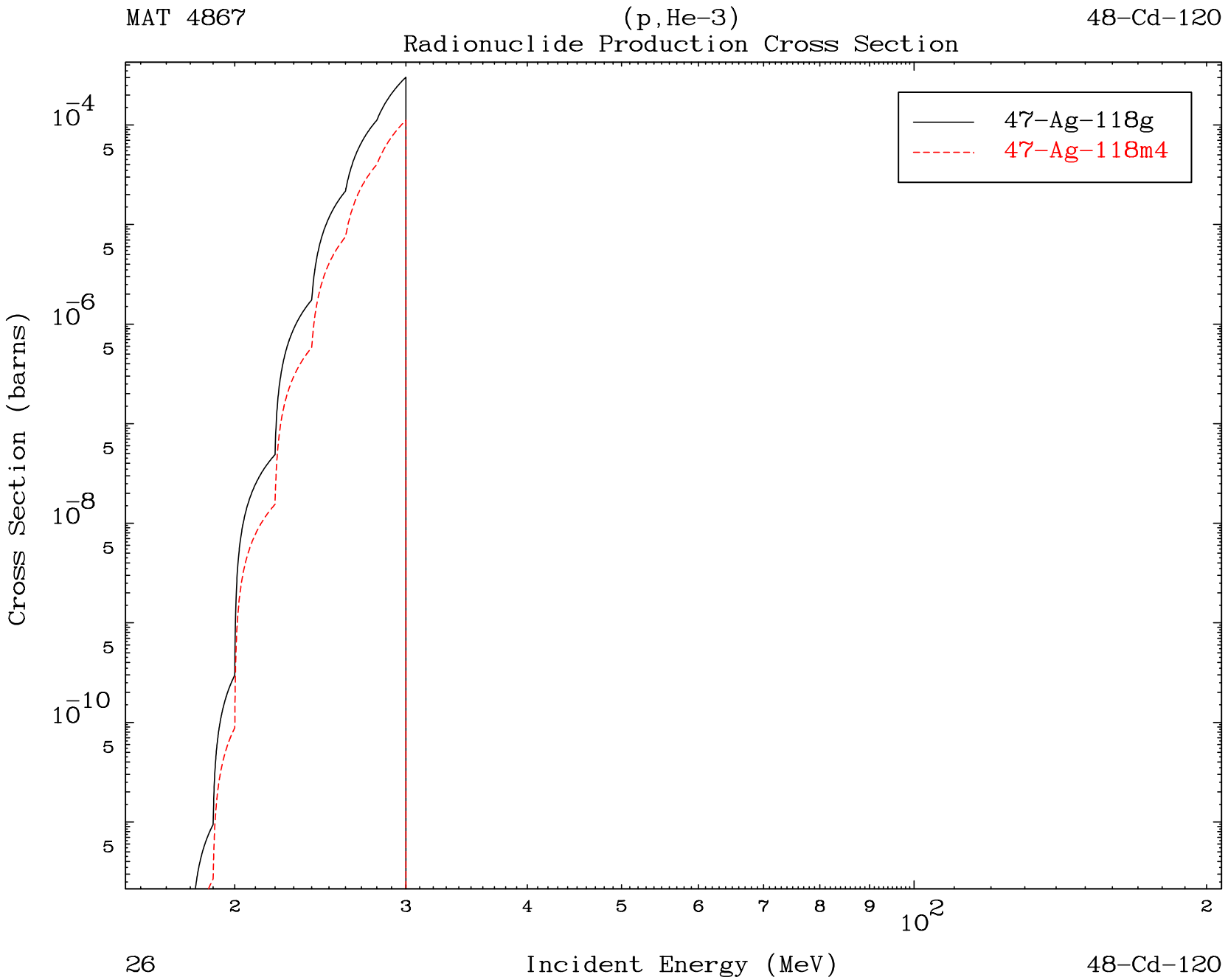

MAT 4867
(p,4n)
48-Cd-120
Radionuclide Production Cross Section
49-In-117g
49-In-117m1
Cross Section (barns)
Incident Energy (MeV)
21
48-Cd-120

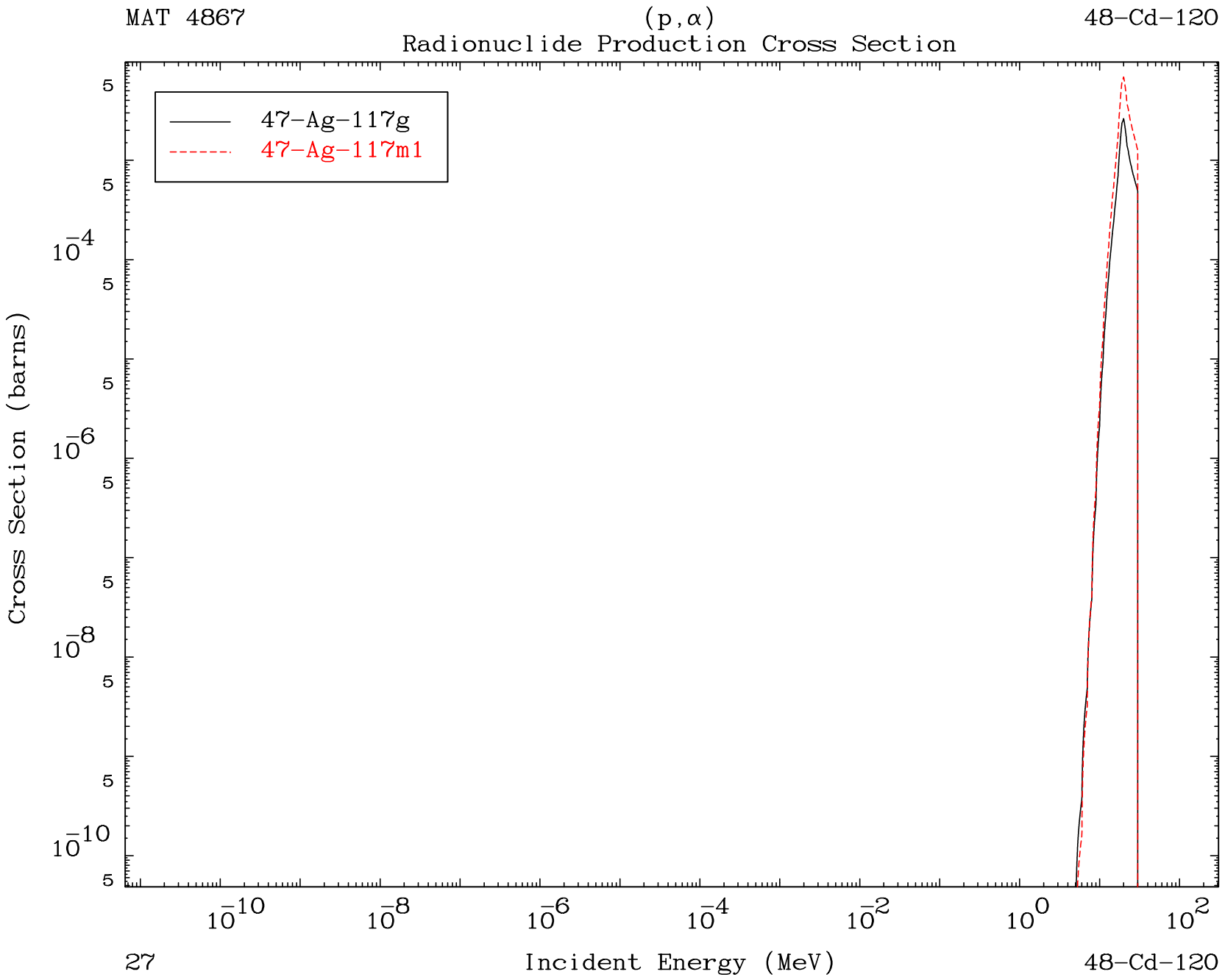

MAT 4867
(p,3n) p
48-Cd-120
Radionuclide Production Cross Section
48-Cd-117g
48-Cd-117m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
3
4
5
6
7
8
9
10^2
2
22
Incident Energy (MeV)
48-Cd-120

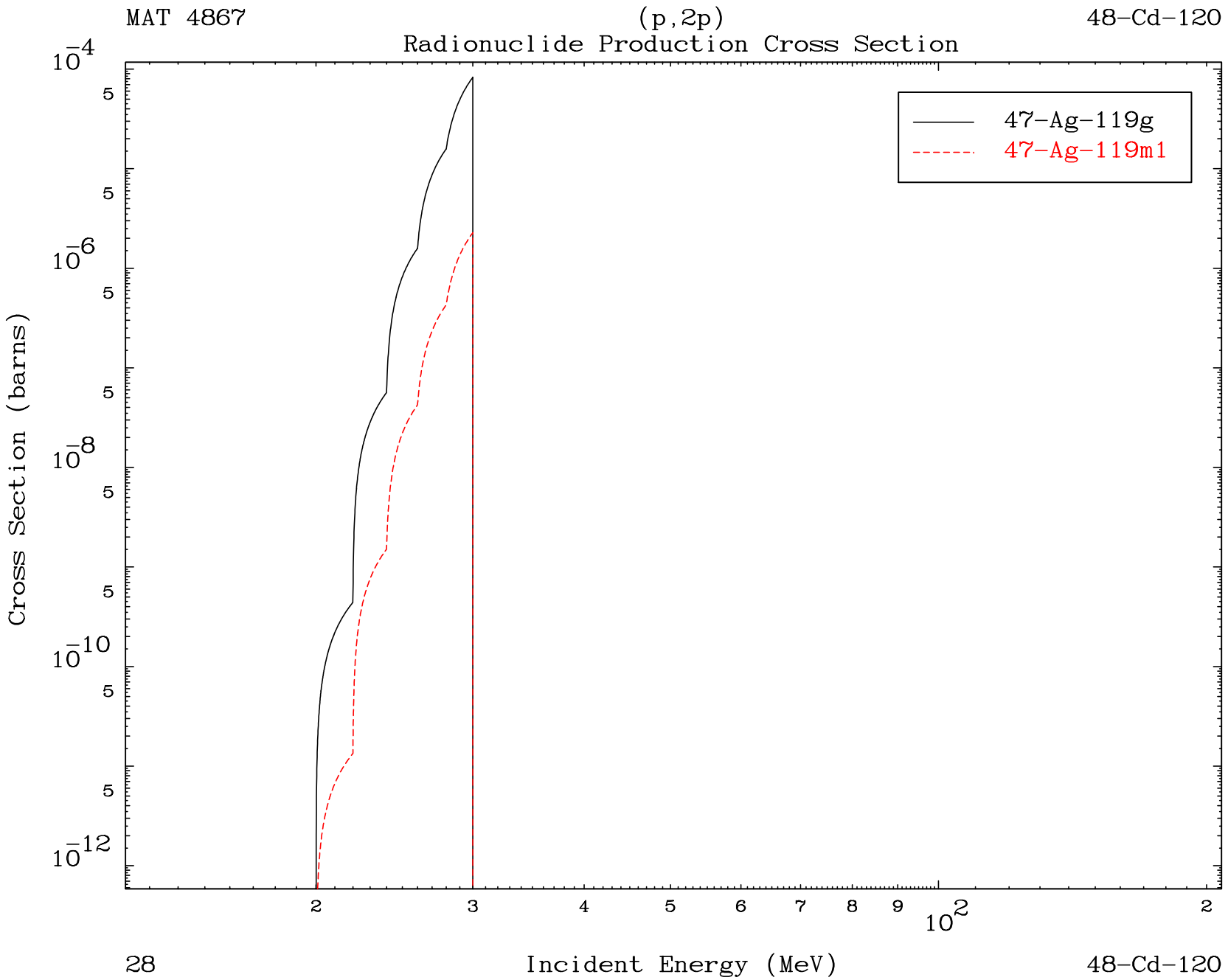

MAT 4867
(p,2n) p
48-Cd-120
Radionuclide Production Cross Section
47-Ag-118g
47-Ag-118m4
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
23
Incident Energy (MeV)
48-Cd-120


MAT 4867
(p,γ)
48-Cd-120
Radionuclide Production Cross Section
49-In-121g
49-In-121m1
Cross Section (barns)
Incident Energy (MeV)
24
48-Cd-120


MAT 4867
(p,d)
48-Cd-120
Radionuclide Production Cross Section
48-Cd-119g
48-Cd-119m2
Cross Section (barns)
Incident Energy (MeV)
25
48-Cd-120


MAT 4867
(p,He-3)
48-Cd-120
Radionuclide Production Cross Section
47-Ag-118g
47-Ag-118m4
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
26
Incident Energy (MeV)
48-Cd-120


MAT 4867
(p,α)
48-Cd-120
Radionuclide Production Cross Section
47-Ag-117g
47-Ag-117m1
Cross Section (barns)
Incident Energy (MeV)
27
48-Cd-120


MAT 4867
(p,2p)
48-Cd-120
Radionuclide Production Cross Section
47-Ag-119g
47-Ag-119m1
Cross Section (barns)
Incident Energy (MeV)
28
48-Cd-120