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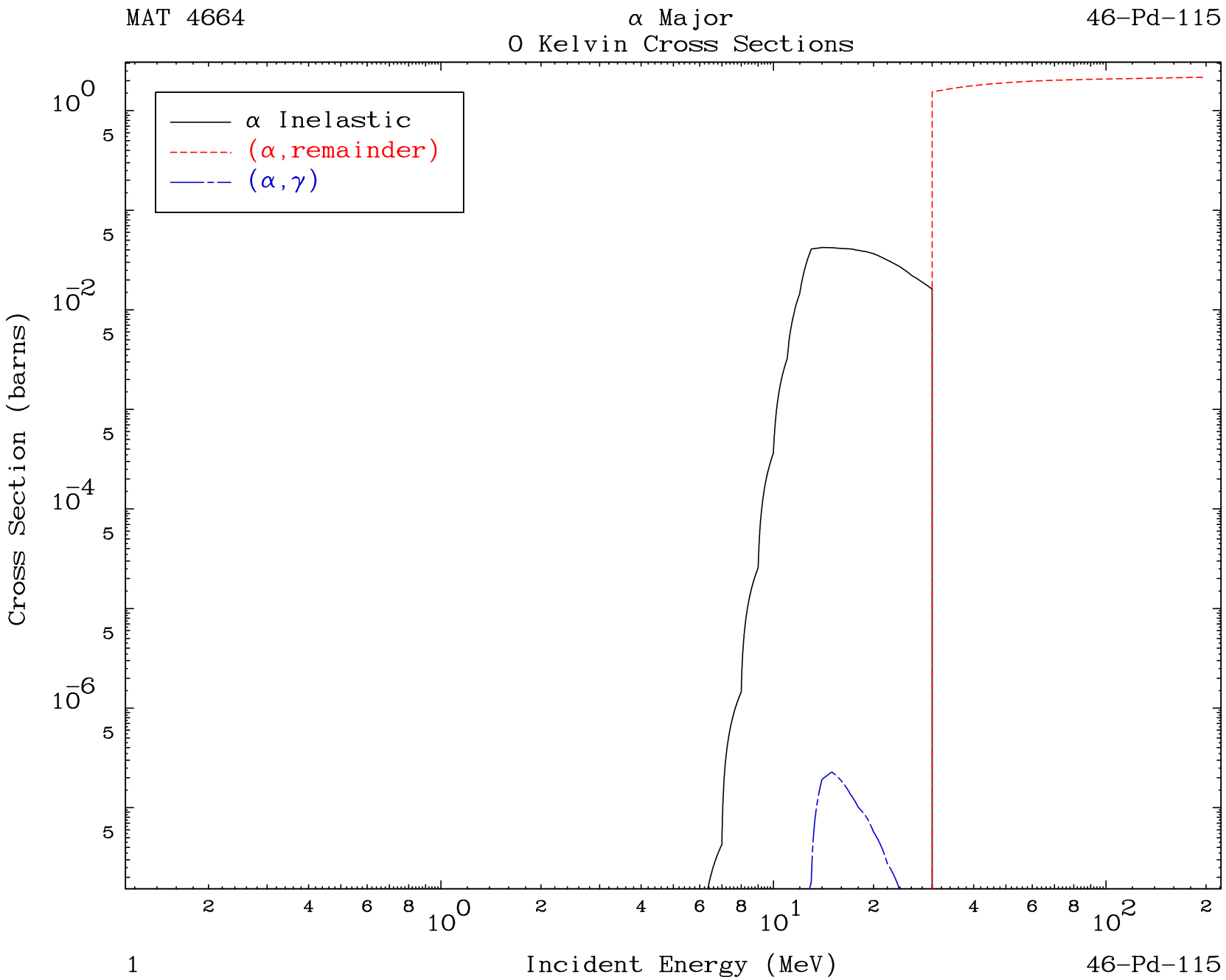
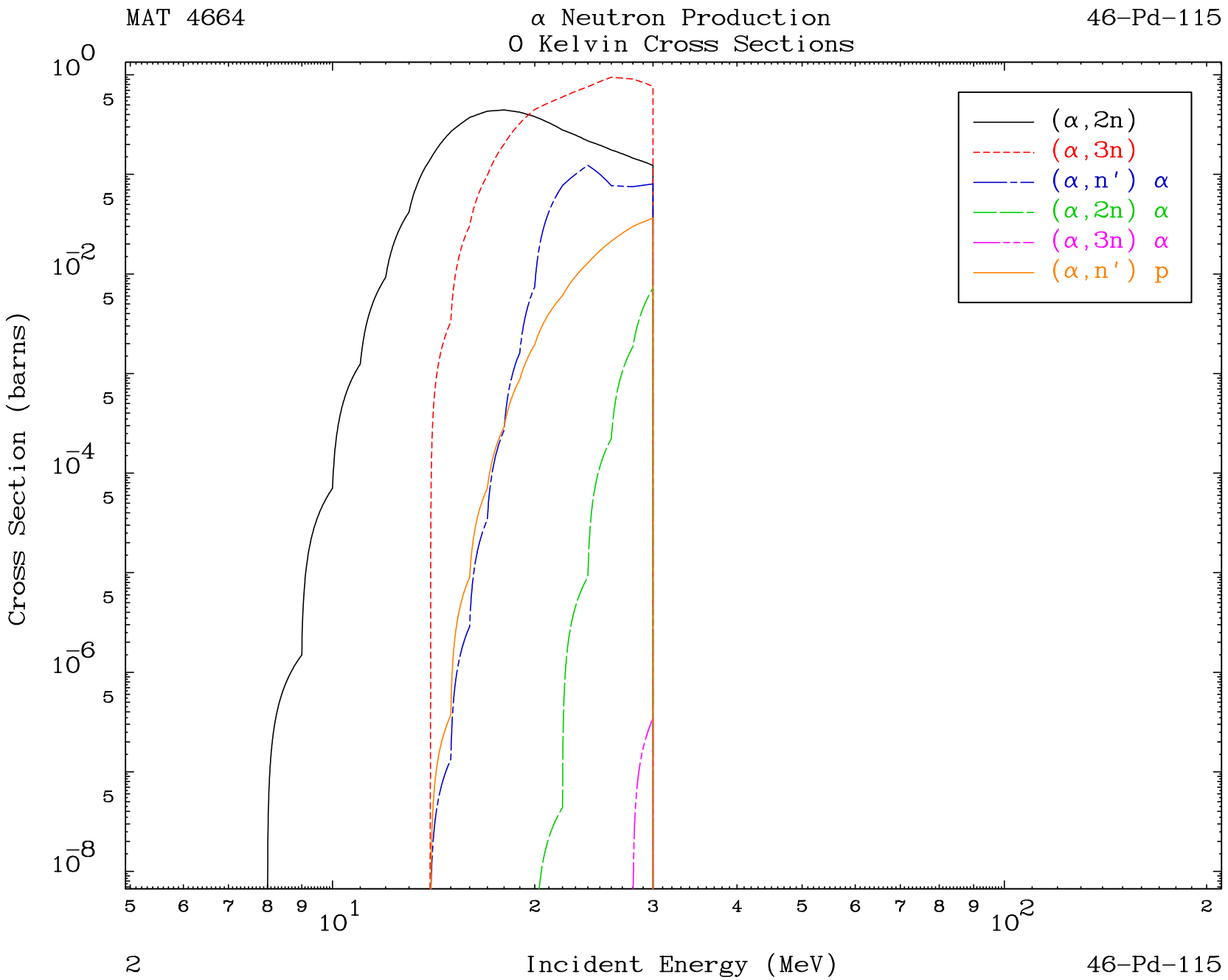
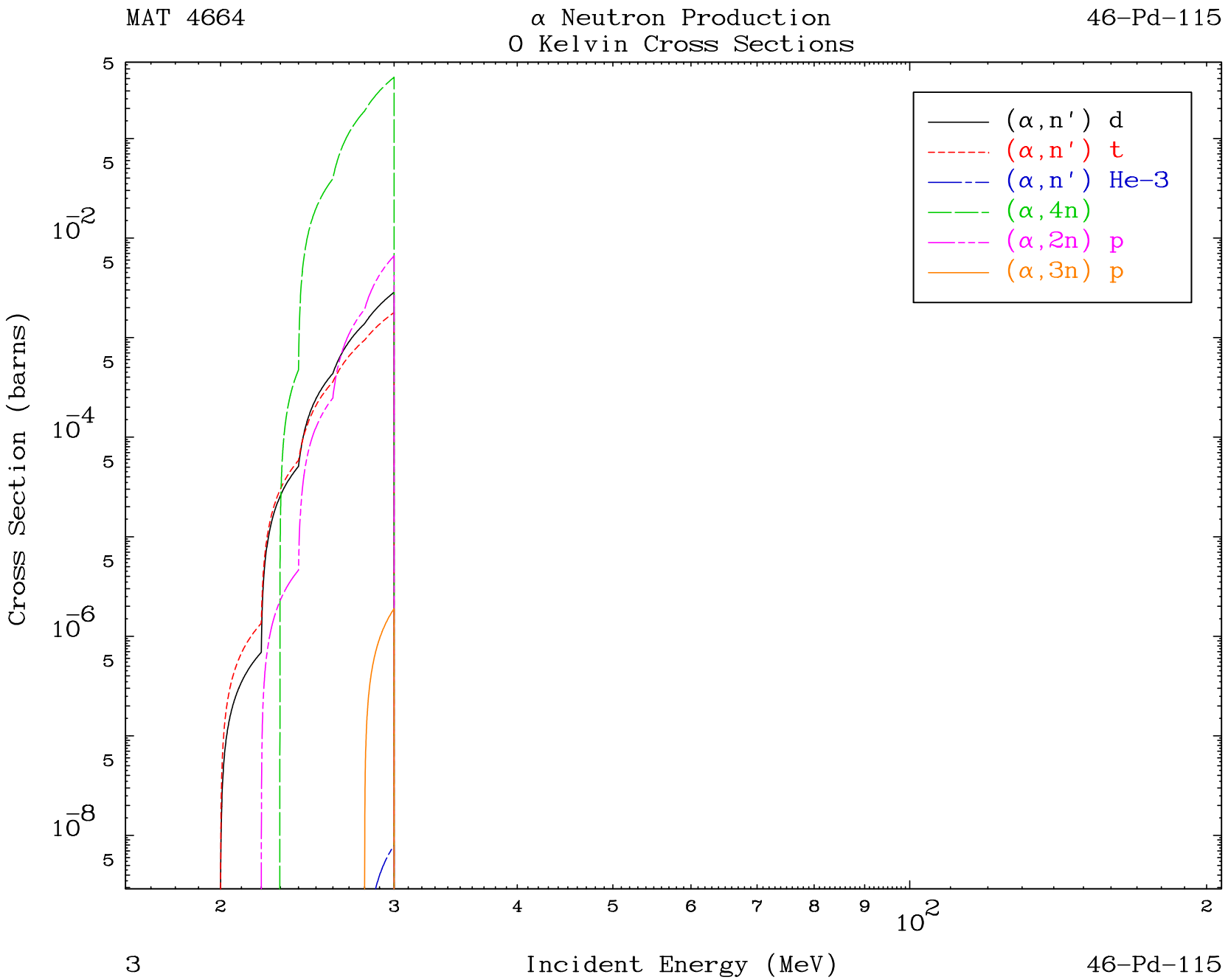
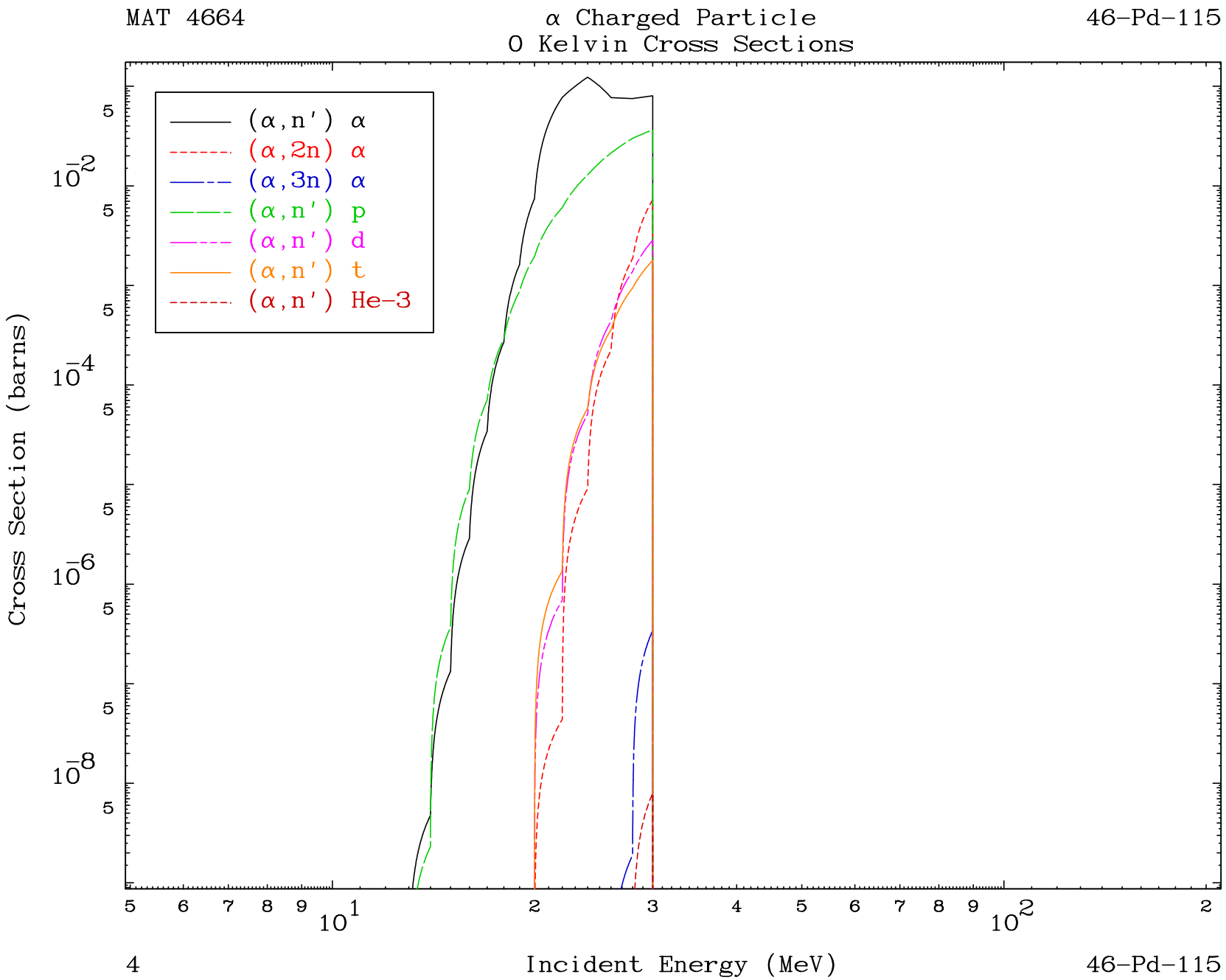
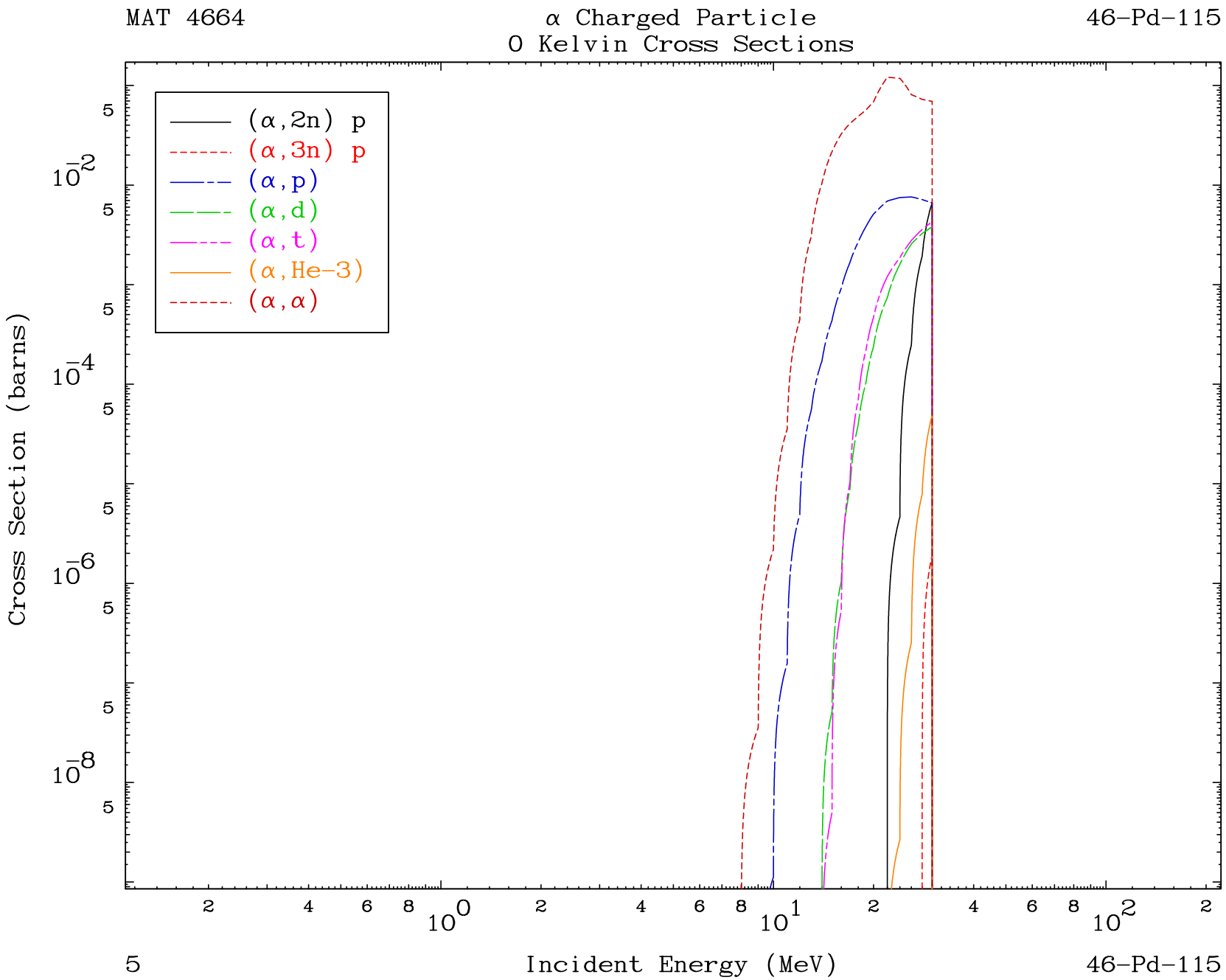
Press Mouse Button to Start

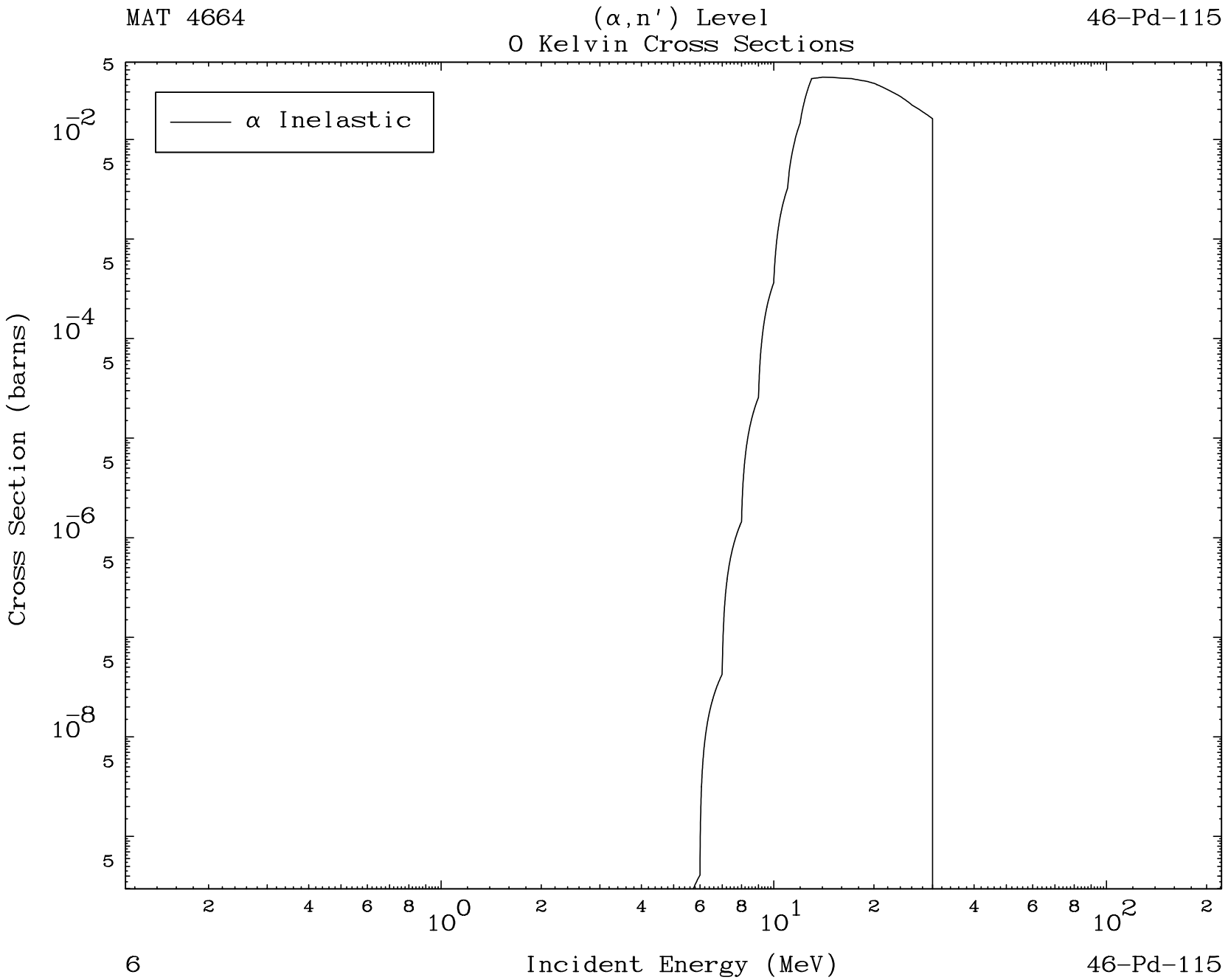

MAT 4664
α Major
46-Pd-115
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
46-Pd-115

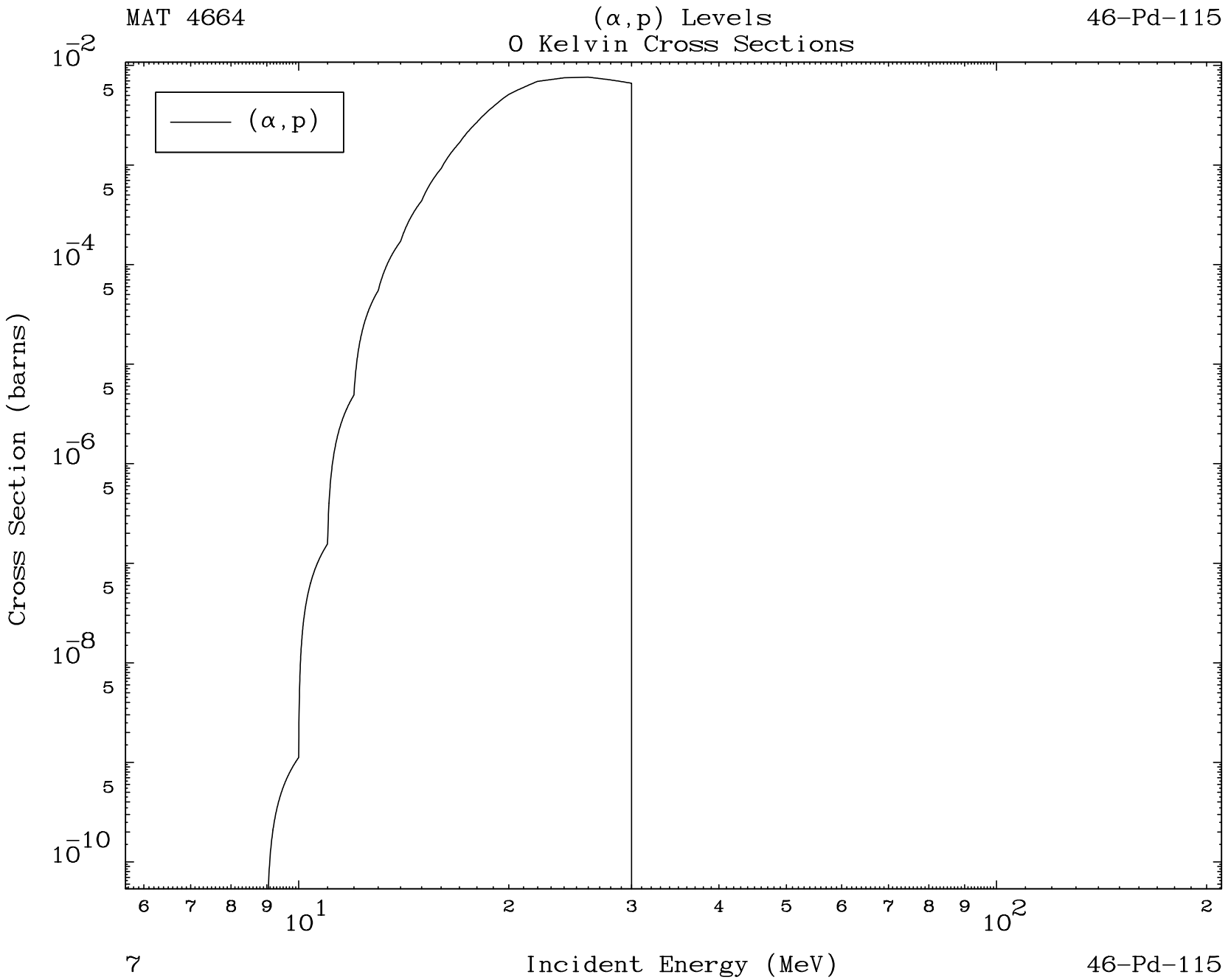

MAT 4664
α Neutron Production
0 Kelvin Cross Sections
46-Pd-115
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p

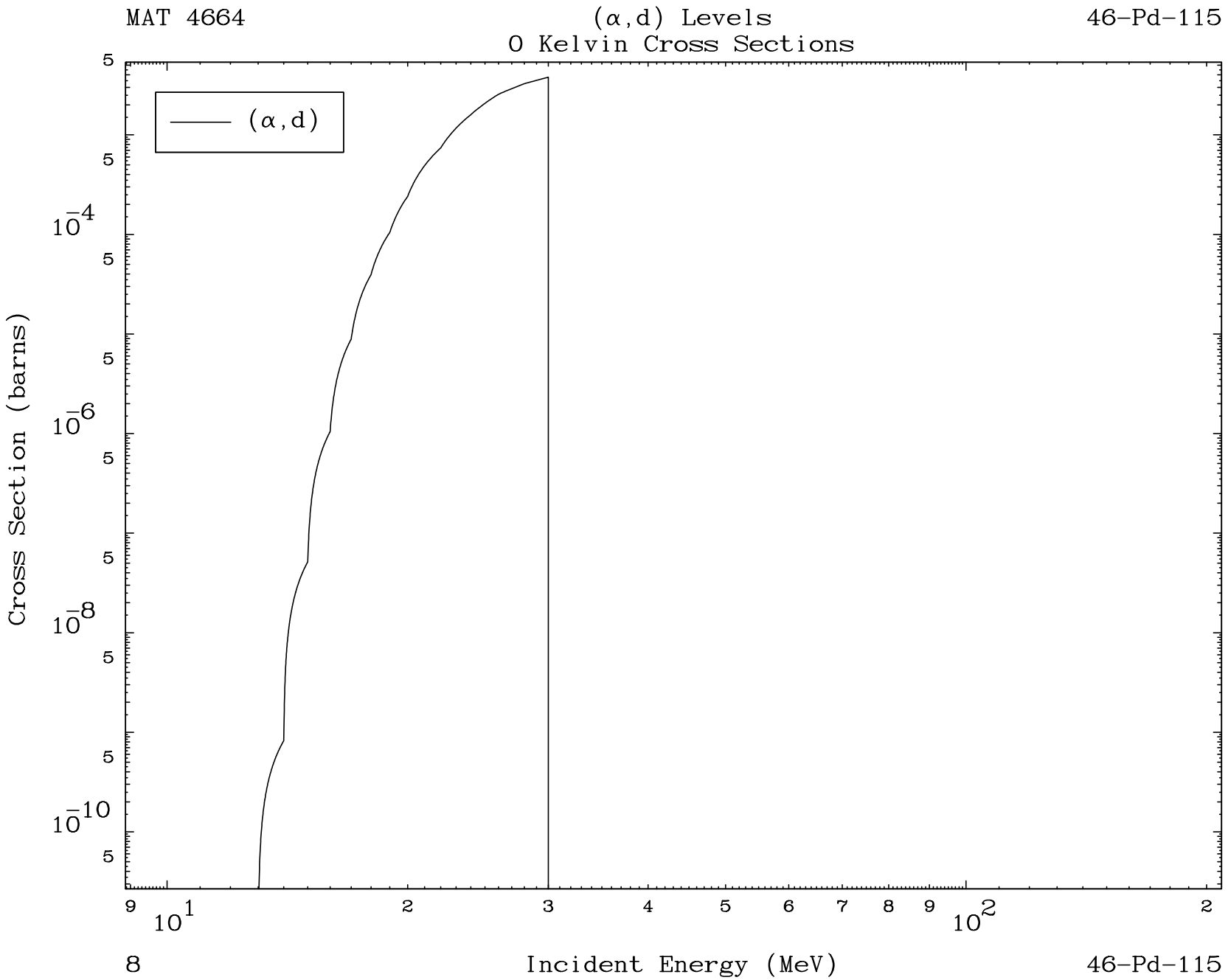

MAT 4664
α Neutron Production
0 Kelvin Cross Sections
46-Pd-115
(α,n') d
(α,n') t
(α,n') He-3
(α,4n)
(α,2n) p
(α,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
46-Pd-115

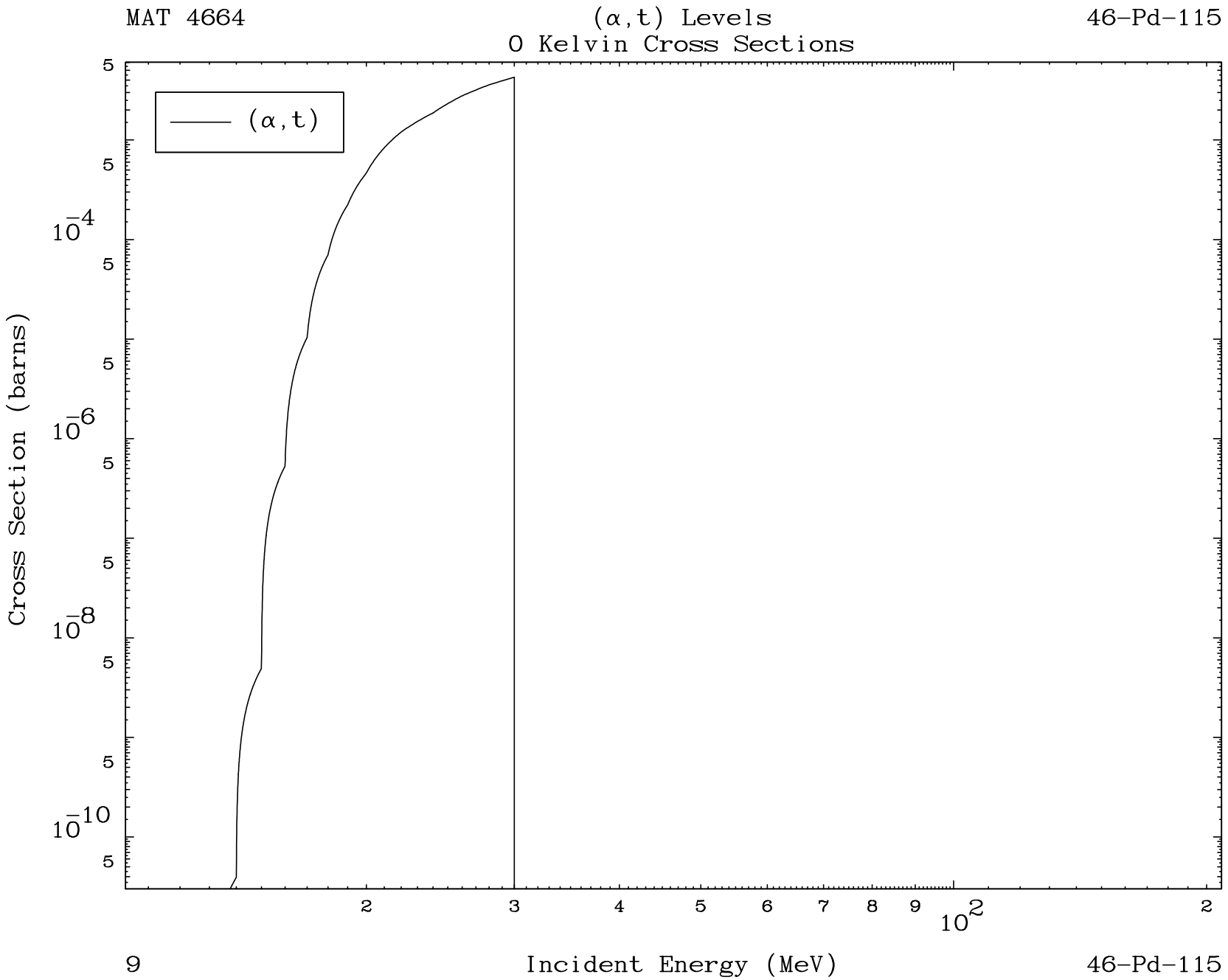

MAT 4664
α Charged Particle
0 Kelvin Cross Sections
46-Pd-115
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
Cross Section (barns)
Incident Energy (MeV)
4
46-Pd-115

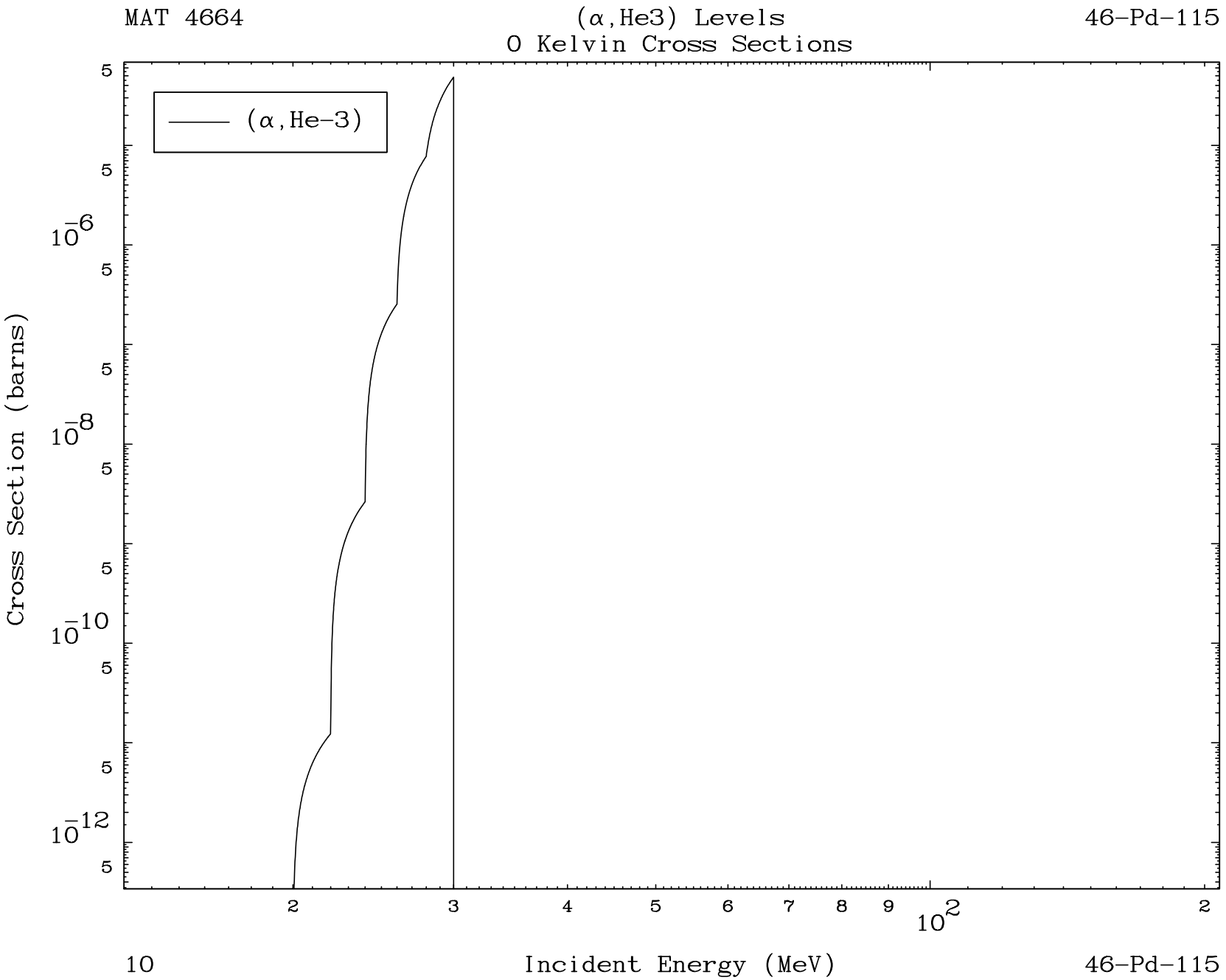

MAT 4664
α Charged Particle
0 Kelvin Cross Sections
46-Pd-115
(α,2n) p
(α,3n) p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
46-Pd-115

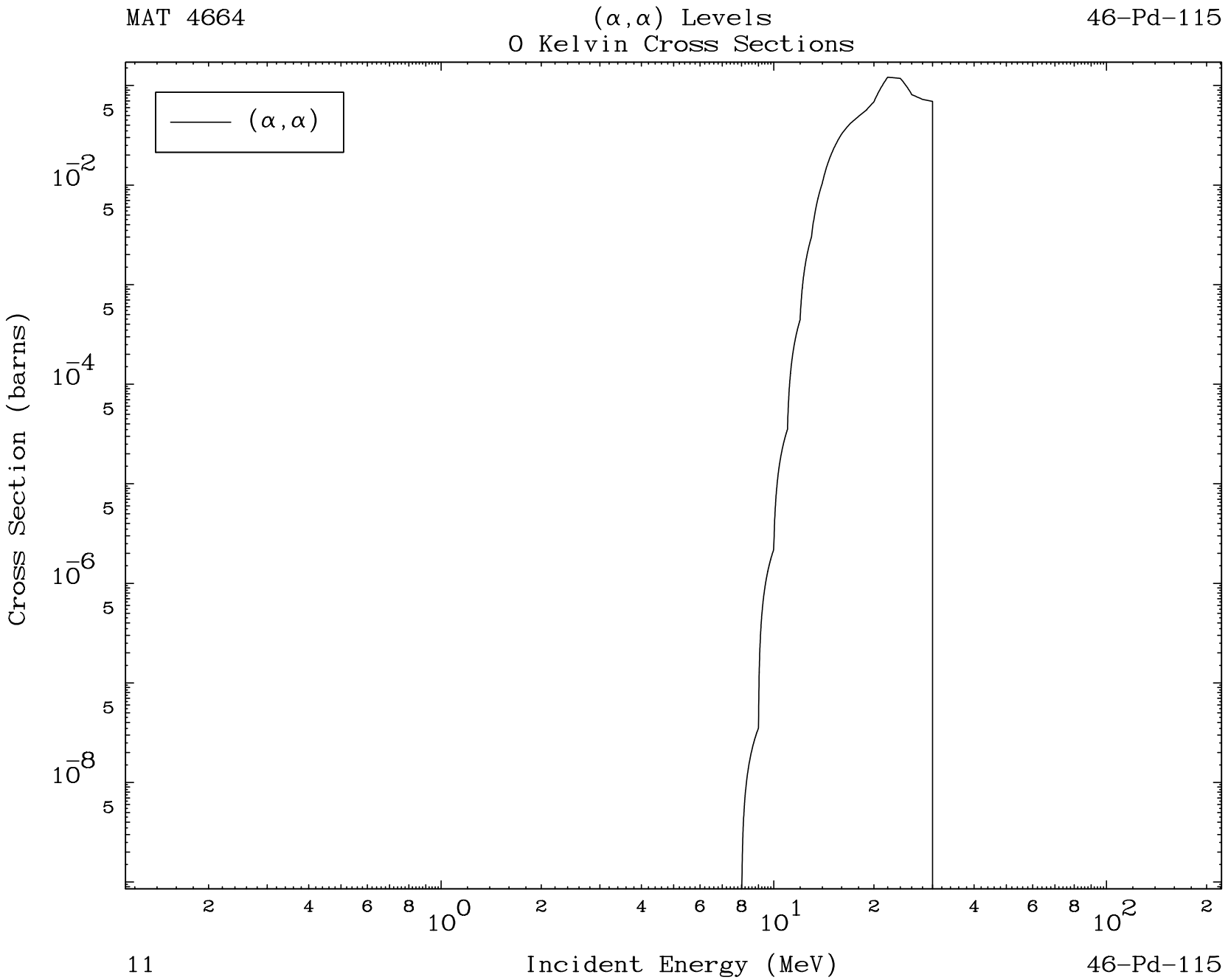

MAT 4664
(α,n') Level
46-Pd-115
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
6
46-Pd-115

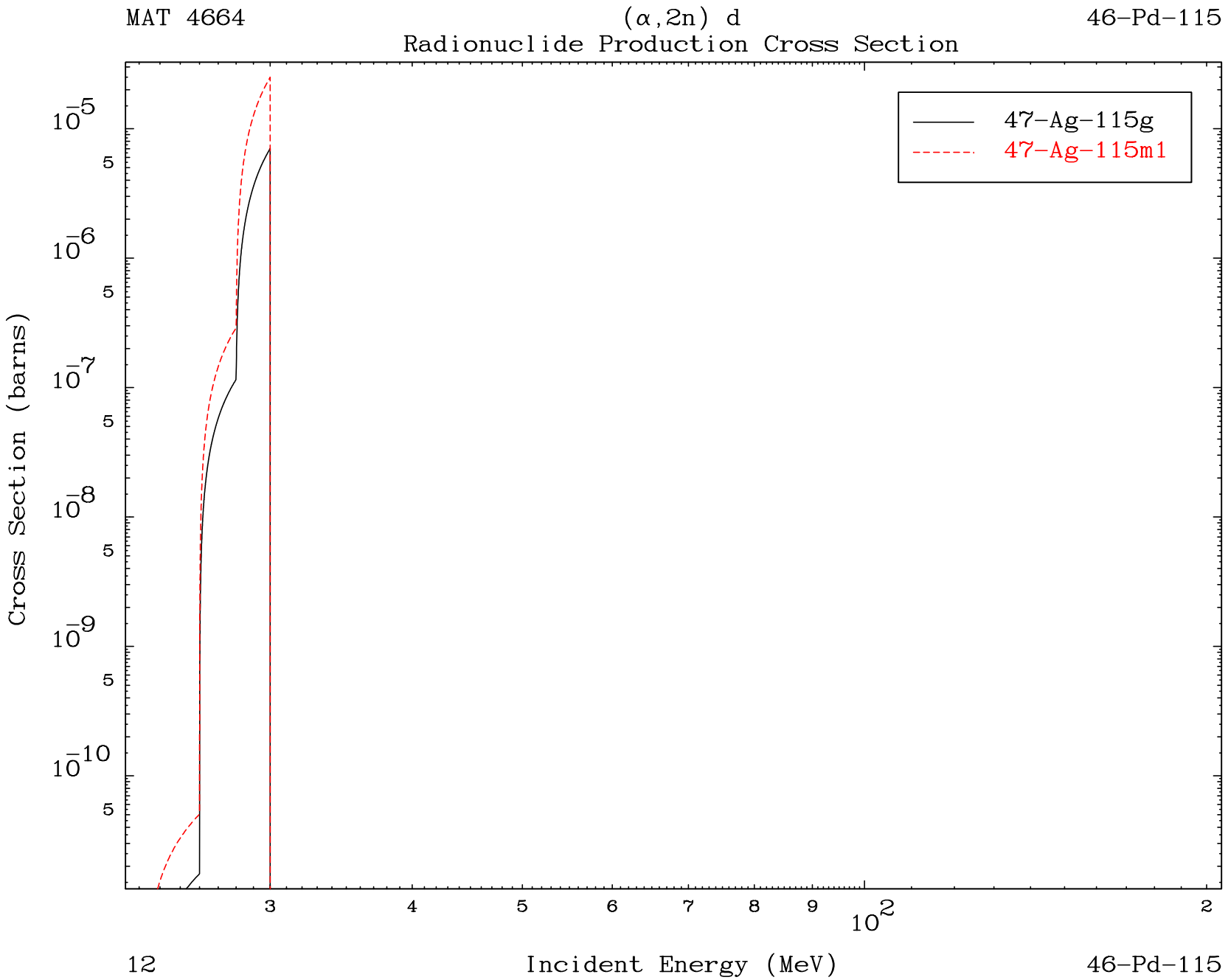

MAT 4664
(α,p) Levels
46-Pd-115
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
7
46-Pd-115

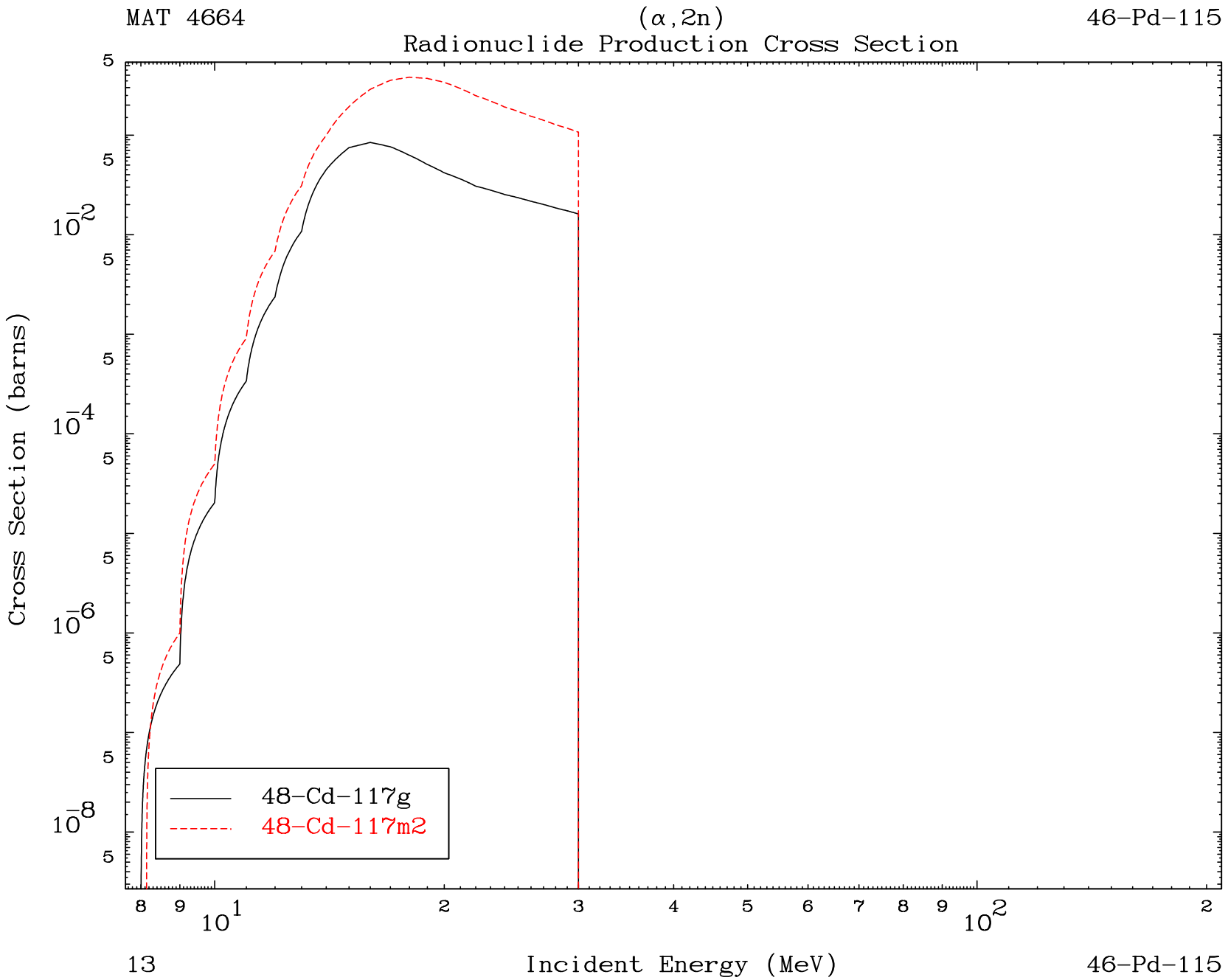

MAT 4664
(α,d) Levels
46-Pd-115
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
Incident Energy (MeV)
46-Pd-115
8

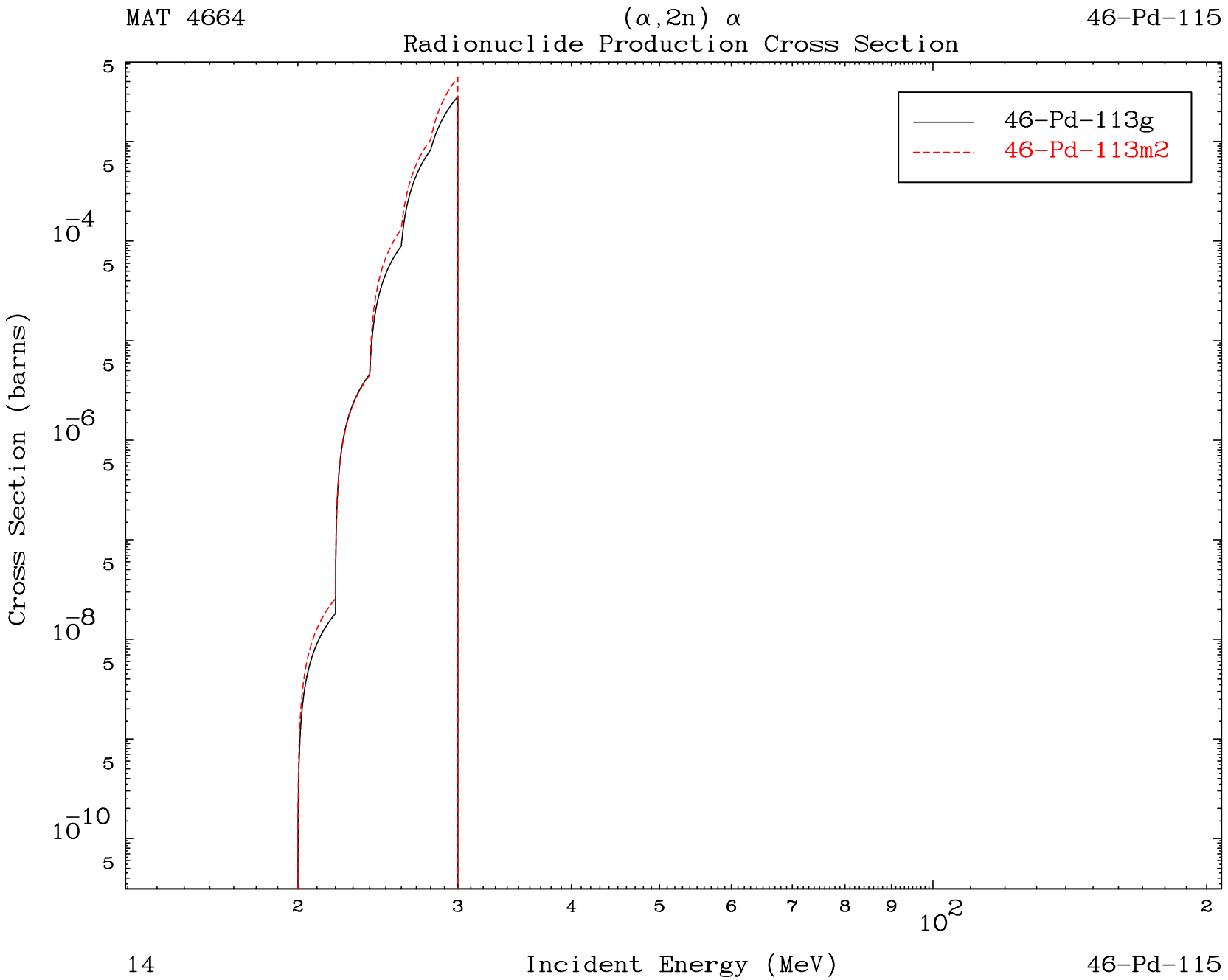

MAT 4664
(α,t) Levels
46-Pd-115
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
9
46-Pd-115

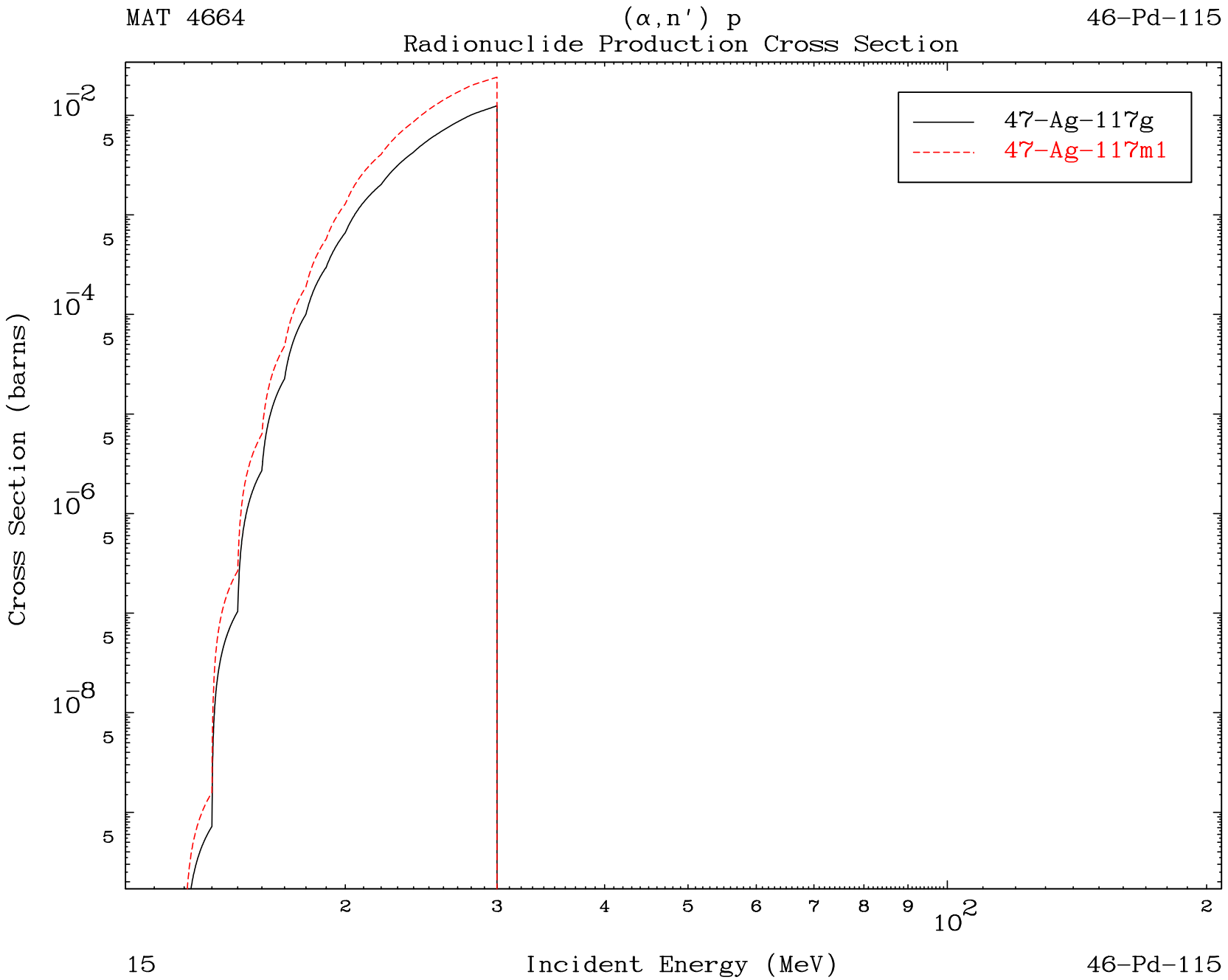

MAT 4664
(α,He3) Levels
46-Pd-115
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
46-Pd-115

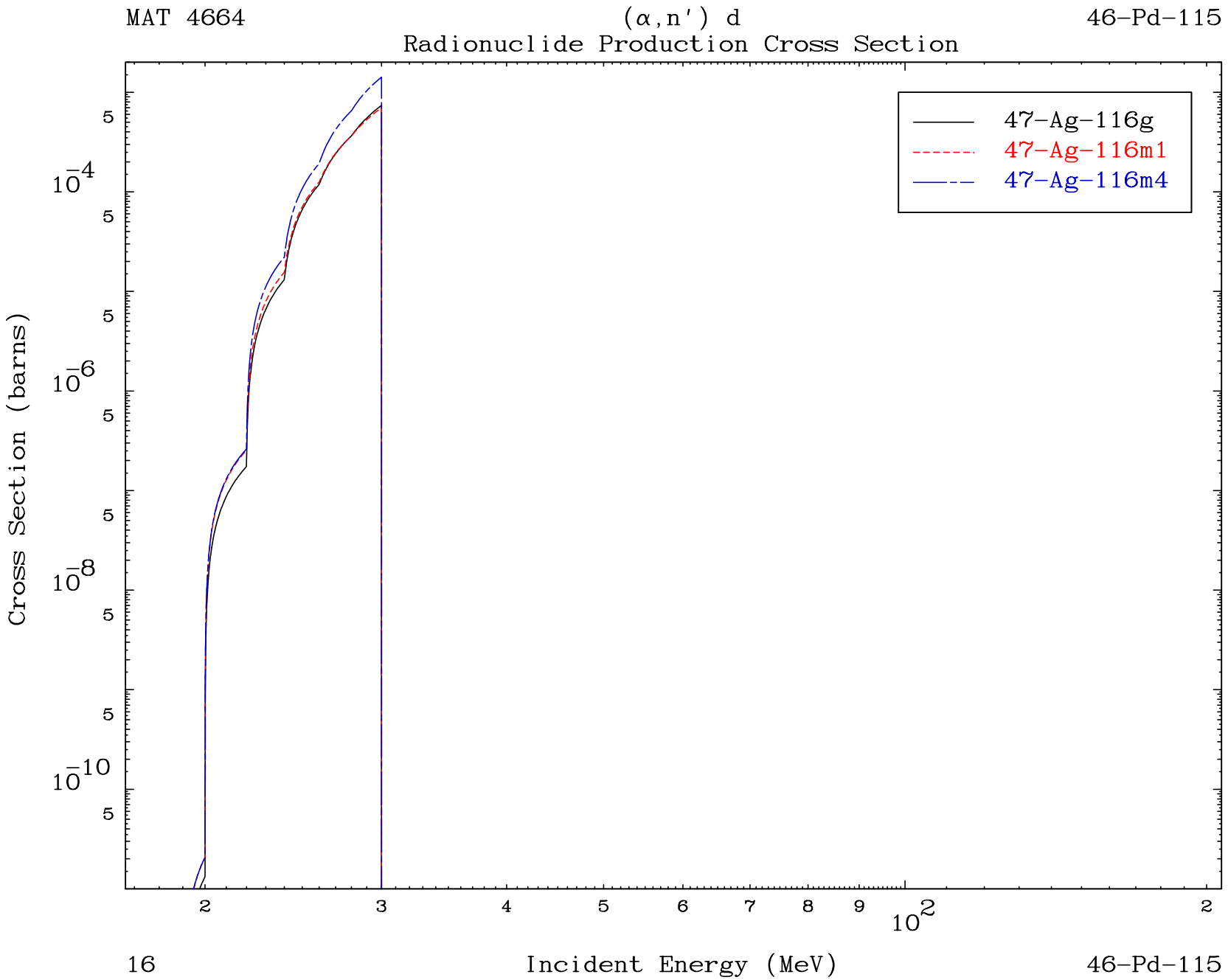

MAT 4664
(α,α) Levels
46-Pd-115
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
11
46-Pd-115

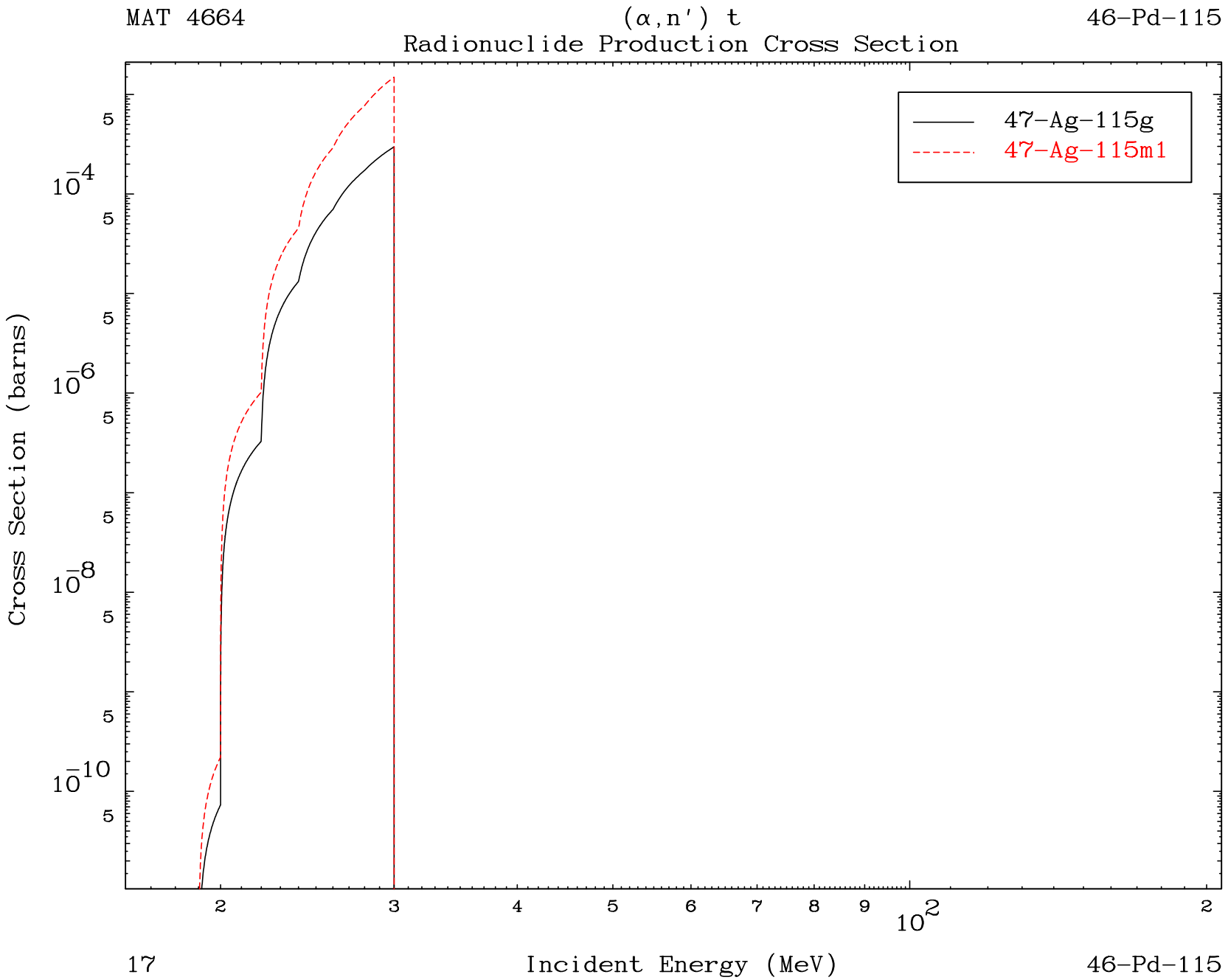

MAT 4664
(α,2n) d
46-Pd-115
Radionuclide Production Cross Section
47-Ag-115g
47-Ag-115m1
Cross Section (barns)
10-5
10-6
10-7
10-8
10-9
10-10
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
46-Pd-115

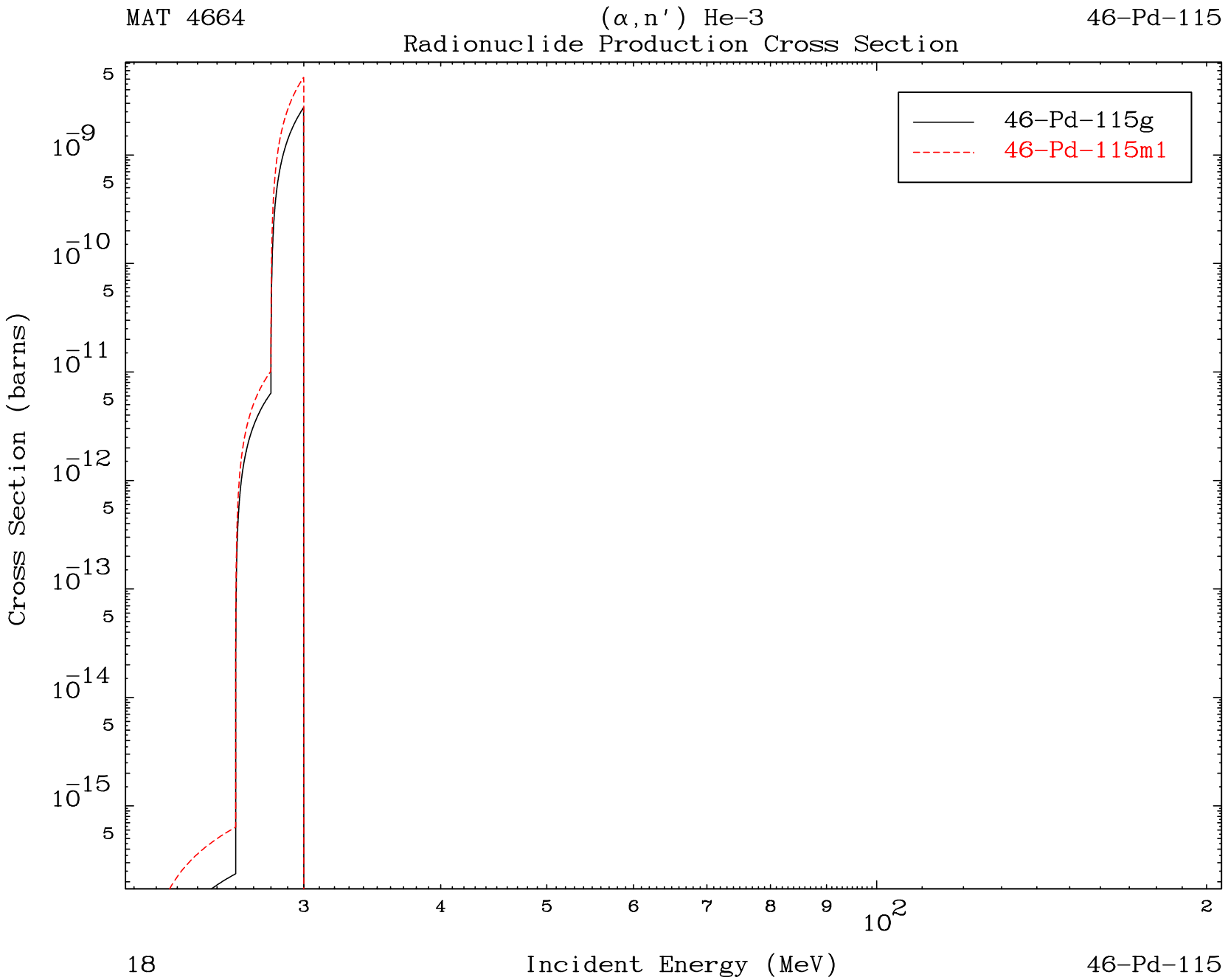

MAT 4664
(α,2n)
46-Pd-115
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
48-Cd-117g
48-Cd-117m2
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
13
Incident Energy (MeV)
46-Pd-115

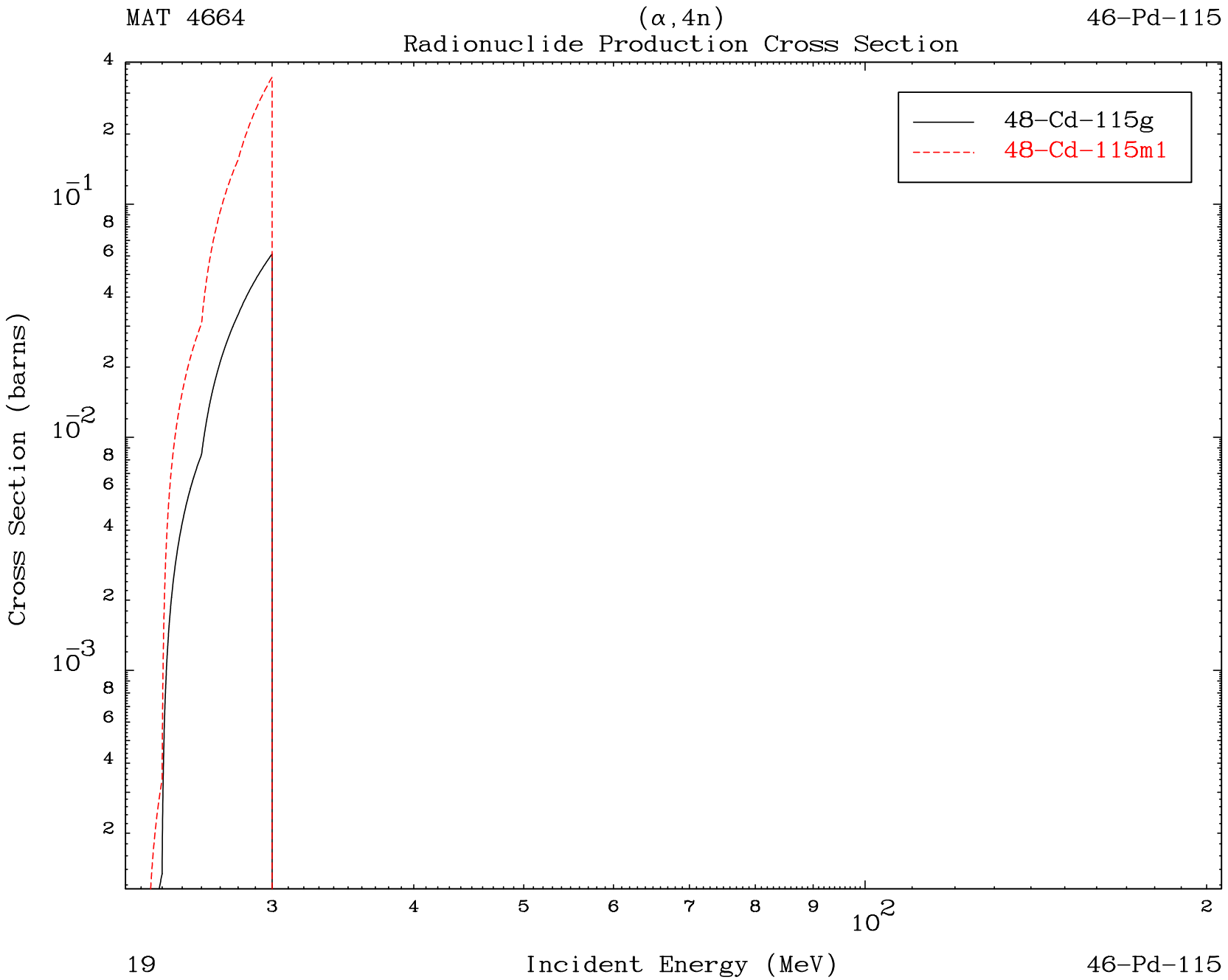

MAT 4664
(α,2n) α
46-Pd-115
Radionuclide Production Cross Section
46-Pd-113g
46-Pd-113m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
46-Pd-115

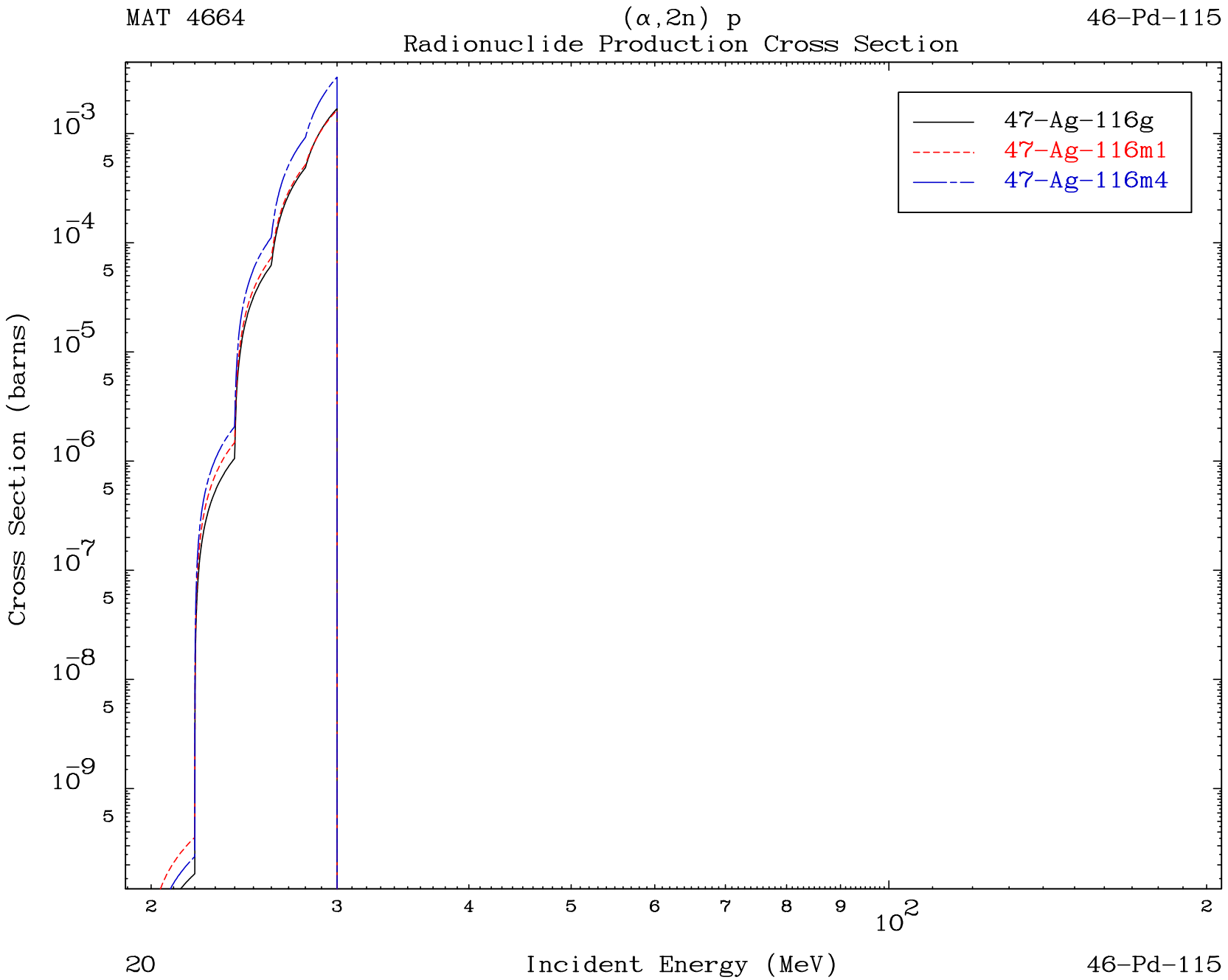

MAT 4664
(α,n') p
46-Pd-115
Radionuclide Production Cross Section
47-Ag-117g
47-Ag-117m1
Cross Section (barns)
Incident Energy (MeV)
15
46-Pd-115

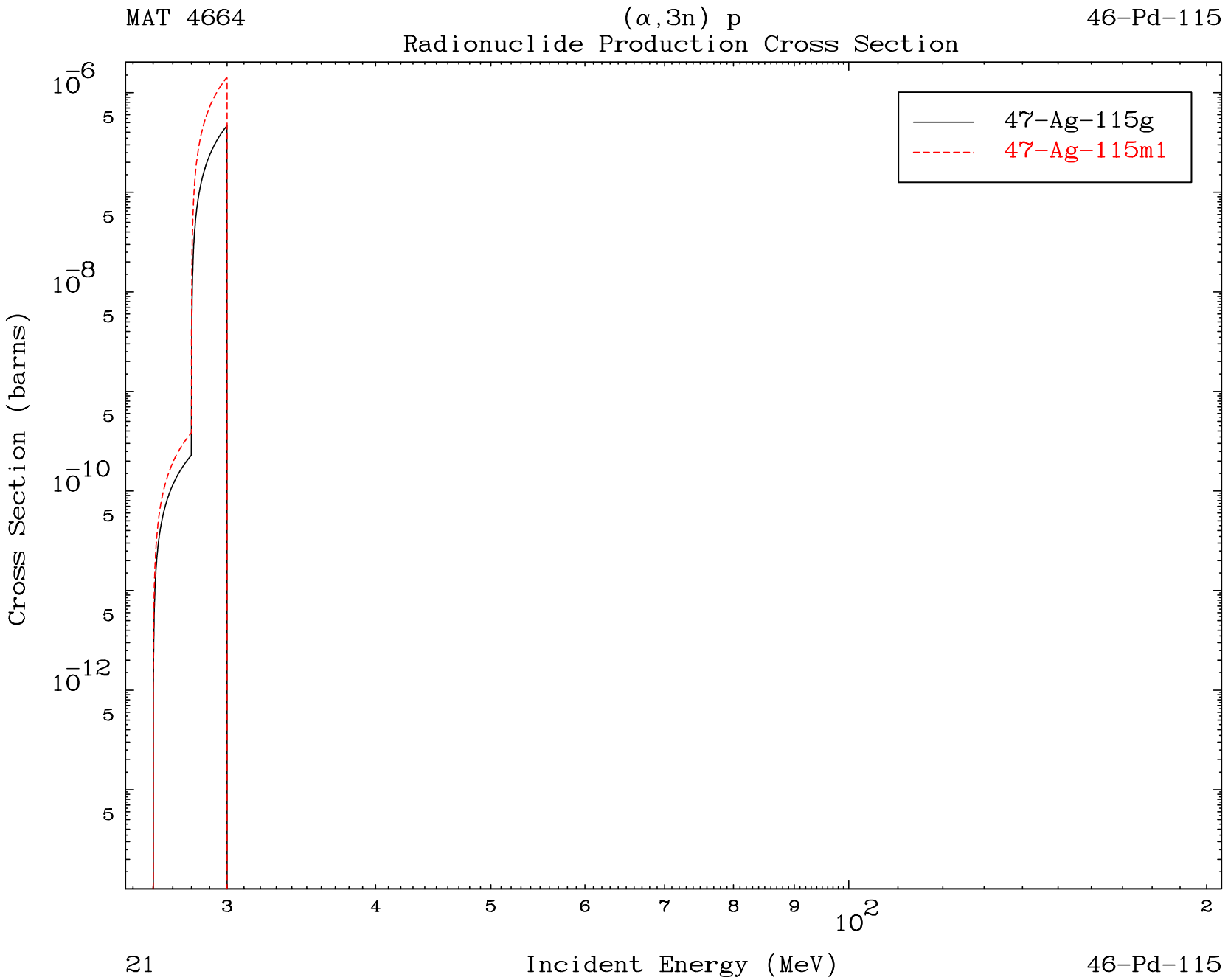

MAT 4664
(α,n') d
46-Pd-115
Radionuclide Production Cross Section
47-Ag-116g
47-Ag-116m1
47-Ag-116m4
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
46-Pd-115

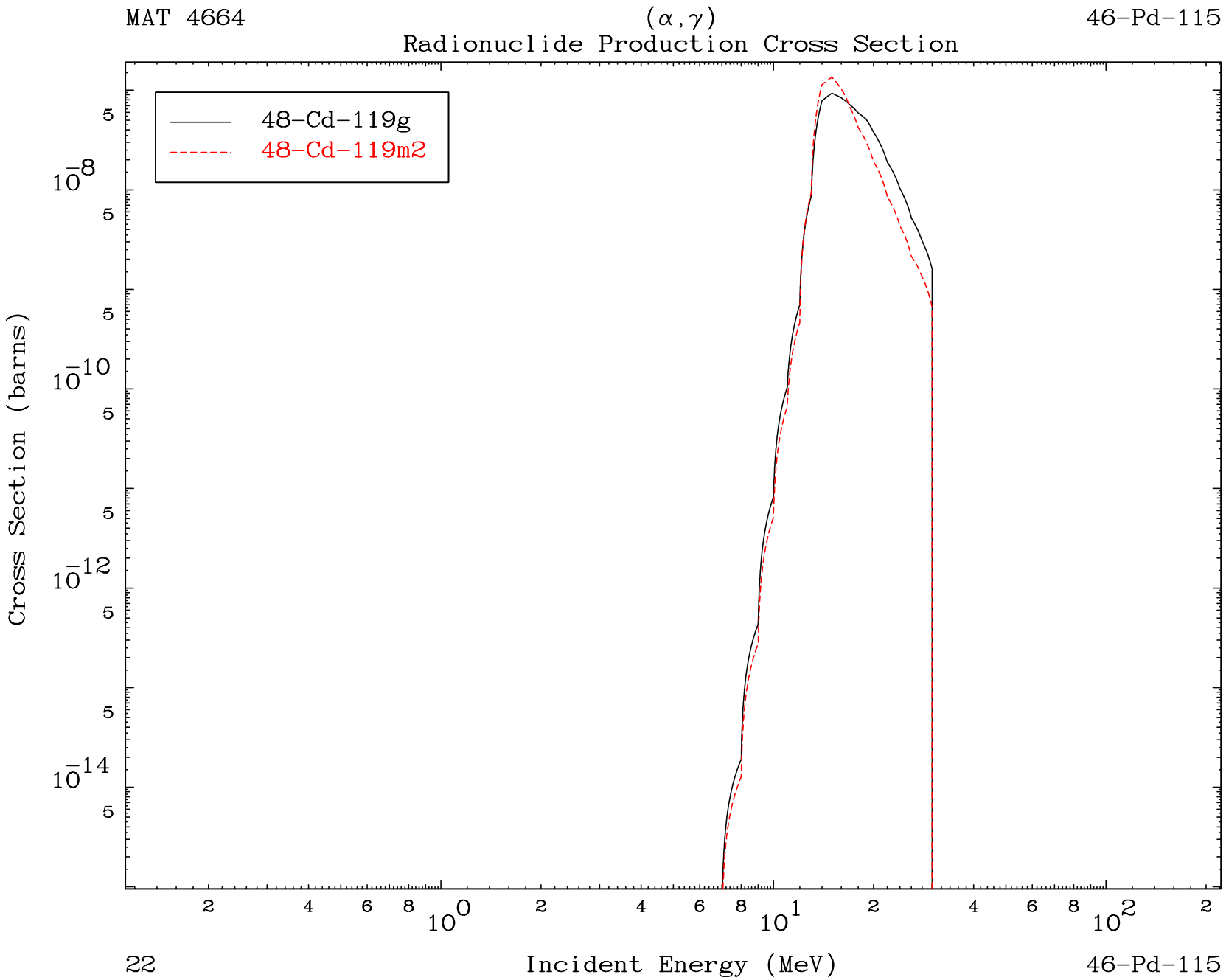

MAT 4664
(α,n') t
46-Pd-115
Radionuclide Production Cross Section
47-Ag-115g
47-Ag-115m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
46-Pd-115

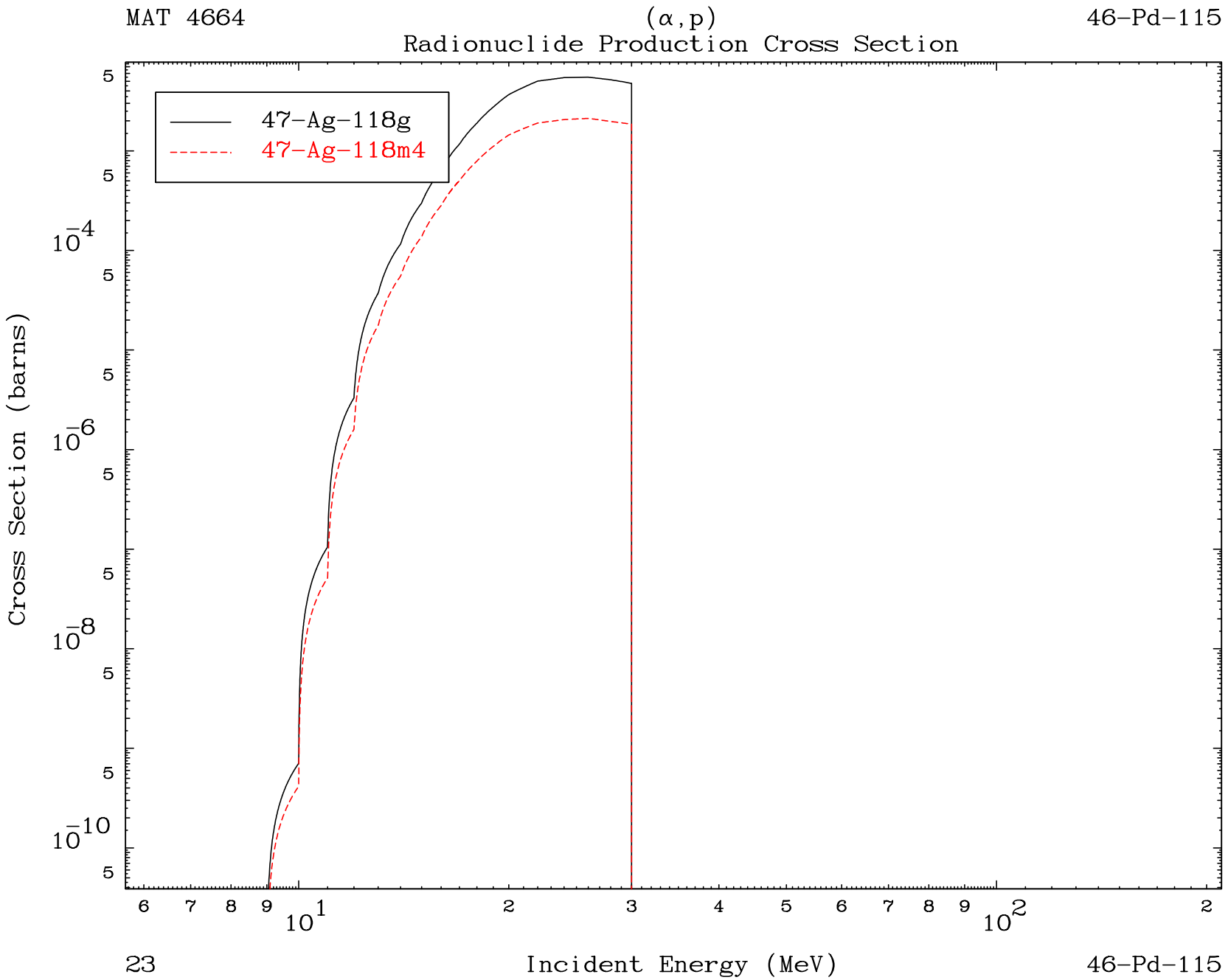

MAT 4664
(α,n') He-3
46-Pd-115
Radionuclide Production Cross Section
46-Pd-115g
46-Pd-115m1
Cross Section (barns)
Incident Energy (MeV)
18
46-Pd-115

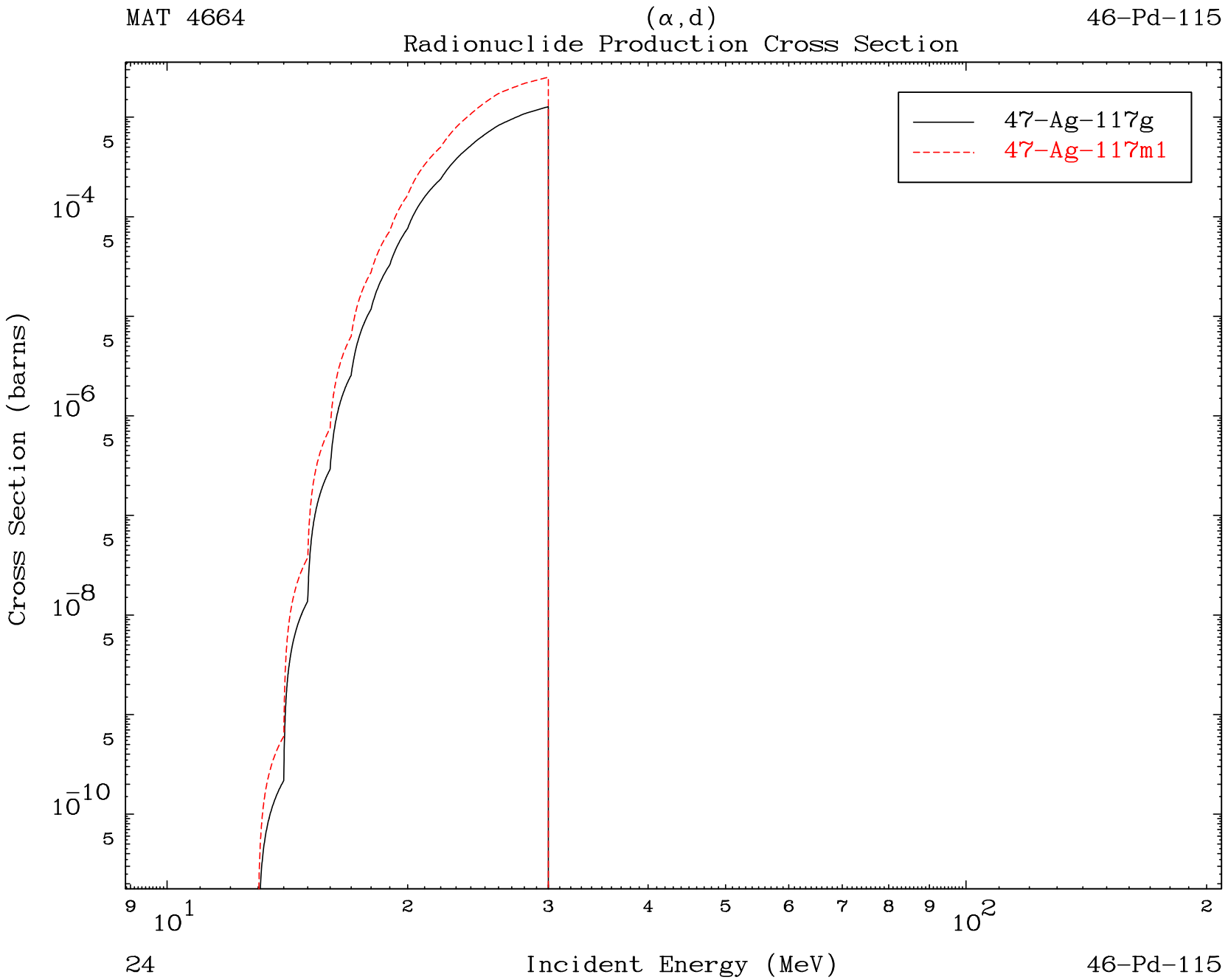

MAT 4664
(α,4n)
46-Pd-115
Radionuclide Production Cross Section
48-Cd-115g
48-Cd-115m1
Cross Section (barns)
Incident Energy (MeV)
19
46-Pd-115

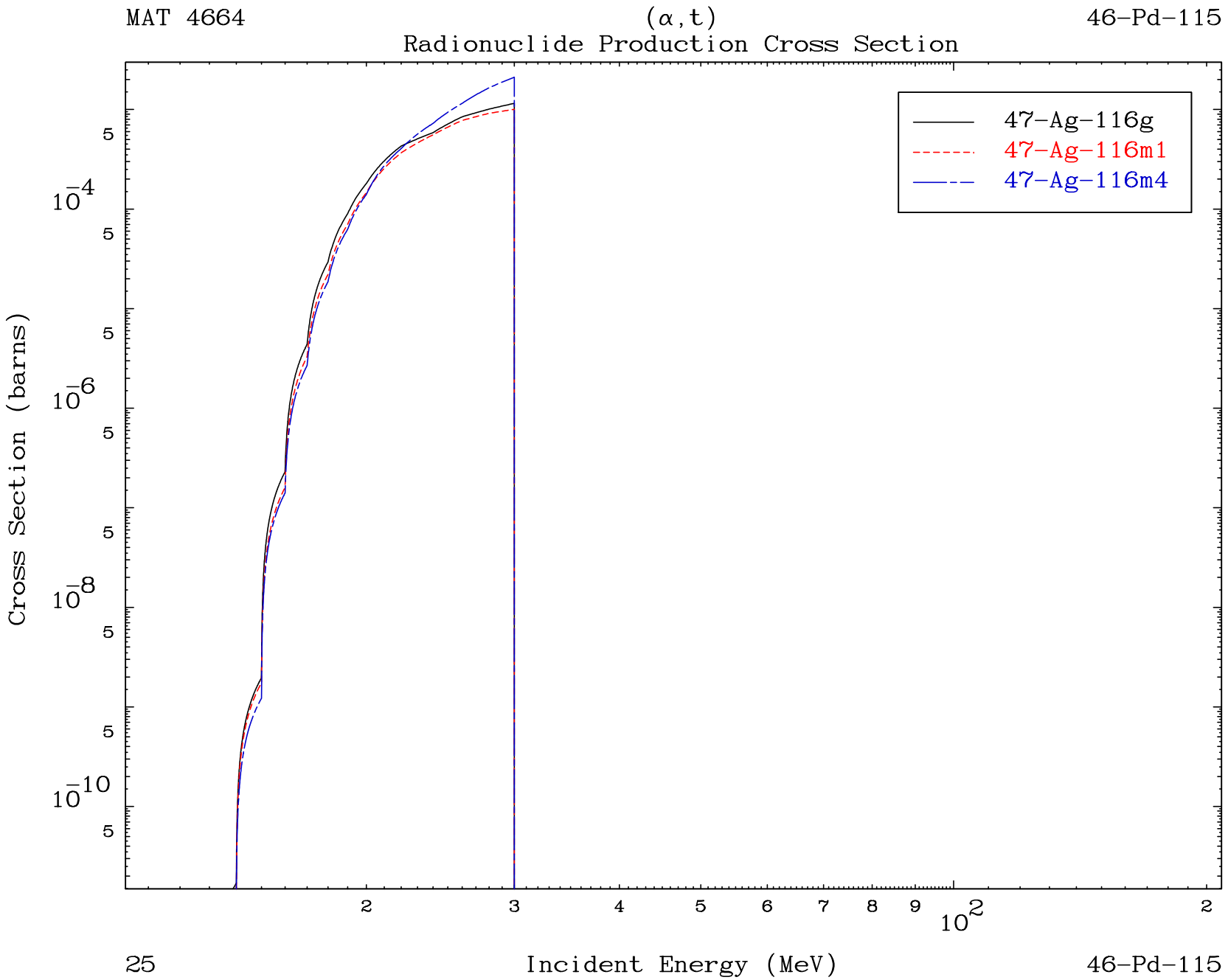

MAT 4664
(α,2n) p
46-Pd-115
Radionuclide Production Cross Section
47-Ag-116g
47-Ag-116m1
47-Ag-116m4
Cross Section (barns)
Incident Energy (MeV)
20
46-Pd-115

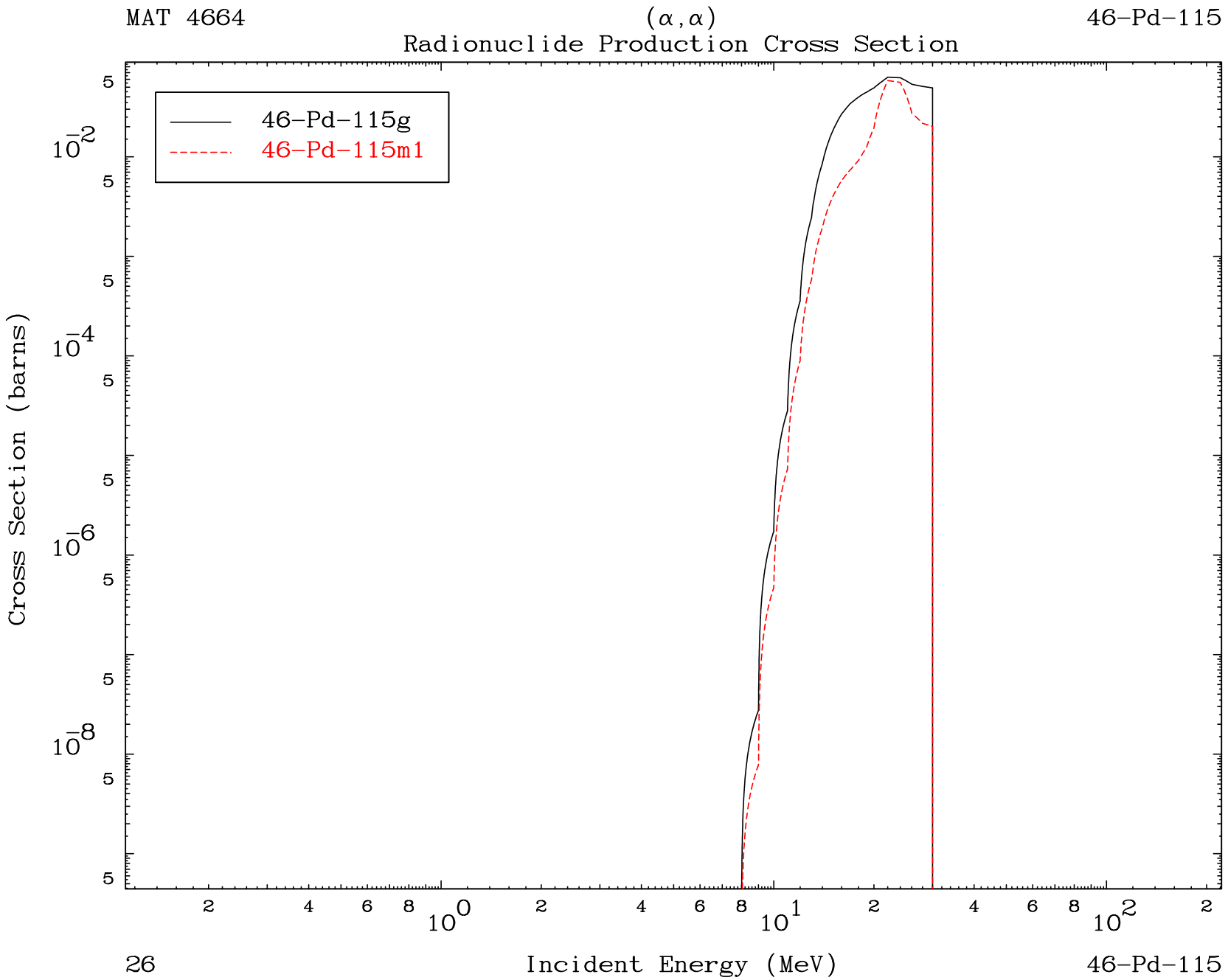

MAT 4664
(α,3n) p
46-Pd-115
Radionuclide Production Cross Section
47-Ag-115g
47-Ag-115m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
21
Incident Energy (MeV)
46-Pd-115


MAT 4664
(α,γ)
46-Pd-115
Radionuclide Production Cross Section
48-Cd-119g
48-Cd-119m2
Cross Section (barns)
Incident Energy (MeV)
22
46-Pd-115


MAT 4664
(α,p)
46-Pd-115
Radionuclide Production Cross Section
47-Ag-118g
47-Ag-118m4
Cross Section (barns)
10-4
10-6
10-8
10-10
10 1
10 2
Incident Energy (MeV)
23
46-Pd-115


MAT 4664
(α,d)
46-Pd-115
Radionuclide Production Cross Section
47-Ag-117g
47-Ag-117m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
24
46-Pd-115


MAT 4664
(α,t)
46-Pd-115
Radionuclide Production Cross Section
47-Ag-116g
47-Ag-116m1
47-Ag-116m4
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
25
Incident Energy (MeV)
46-Pd-115


MAT 4664
(α,α)
46-Pd-115
Radionuclide Production Cross Section
46-Pd-115g
46-Pd-115m1
Cross Section (barns)
Incident Energy (MeV)
26
46-Pd-115