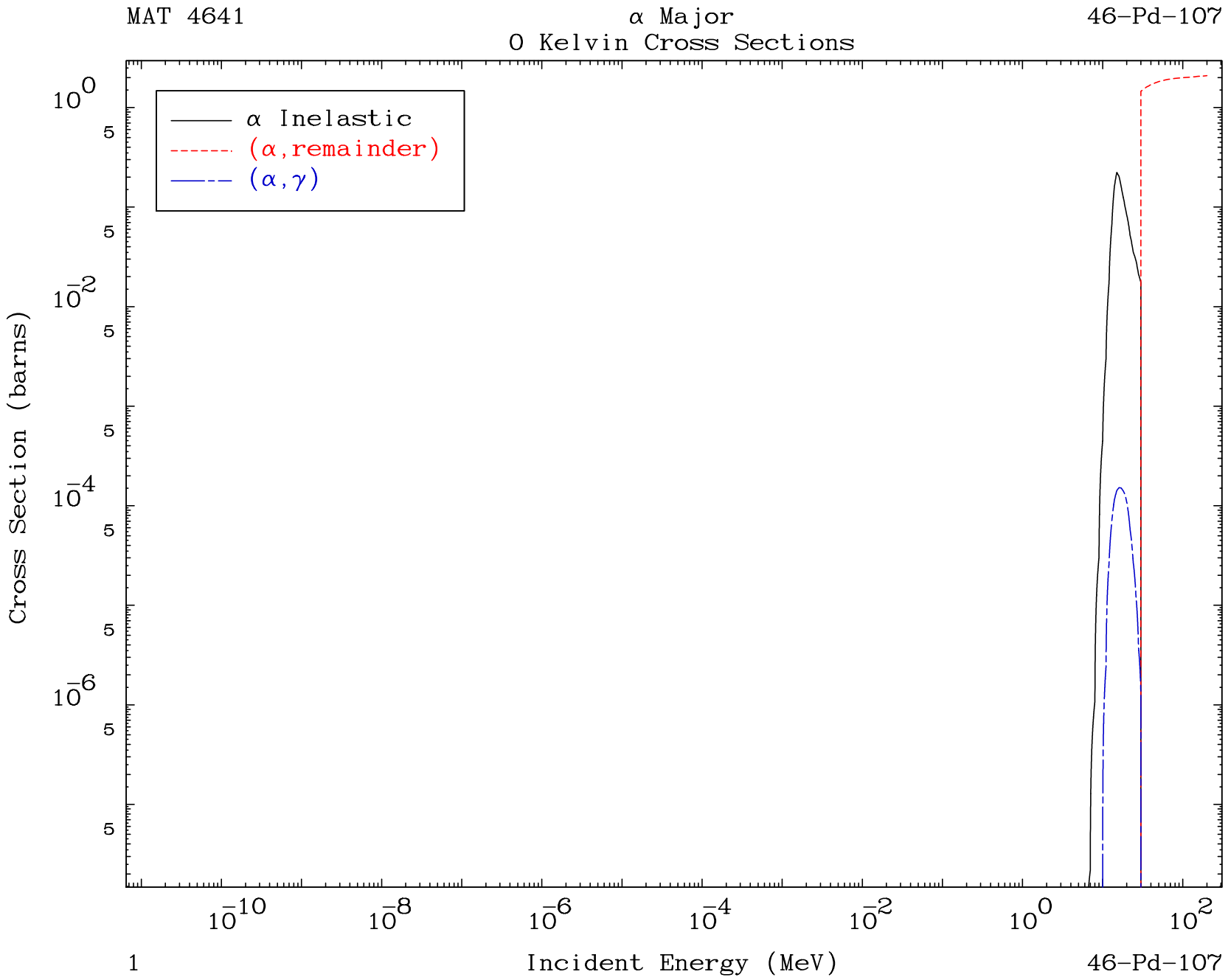
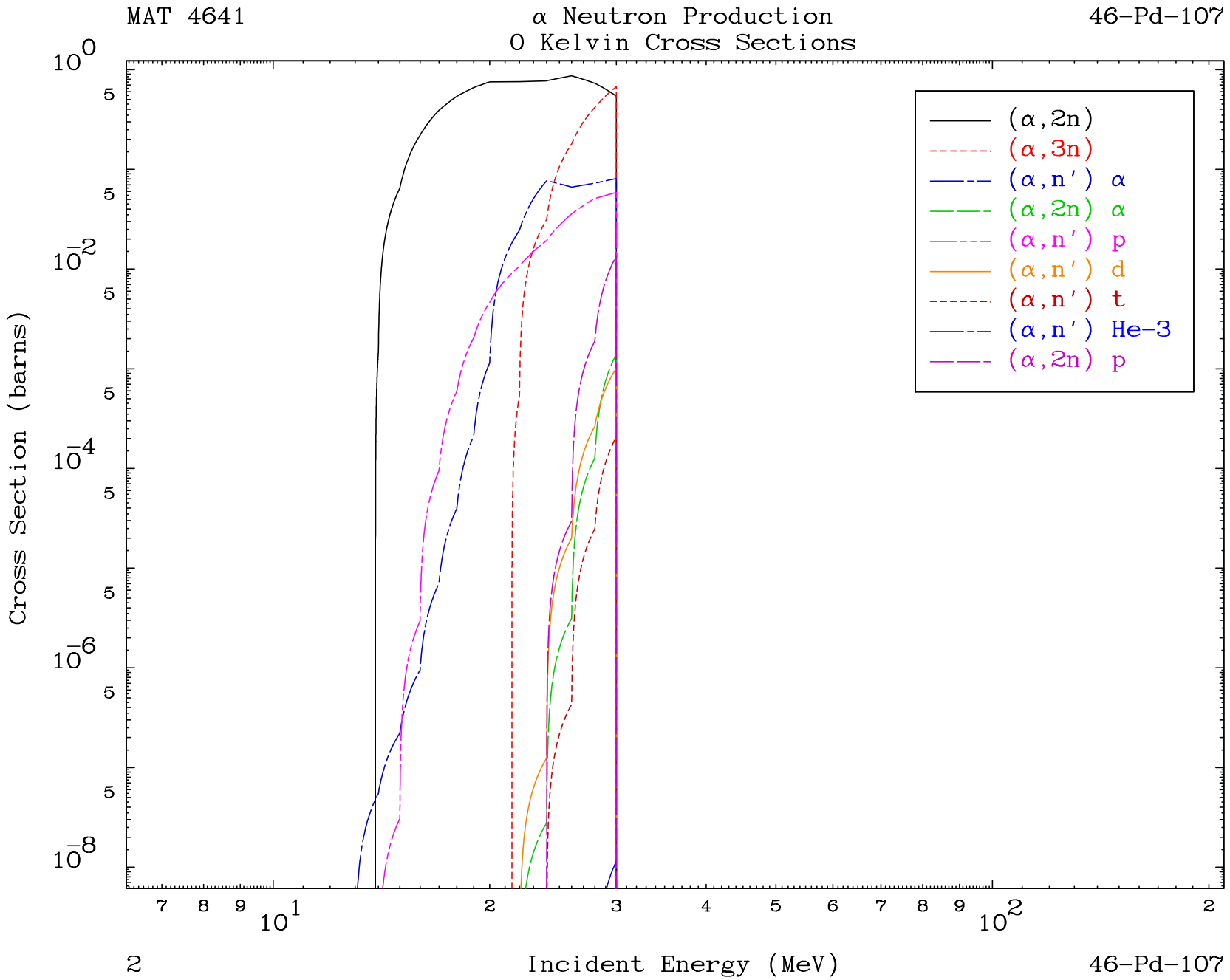
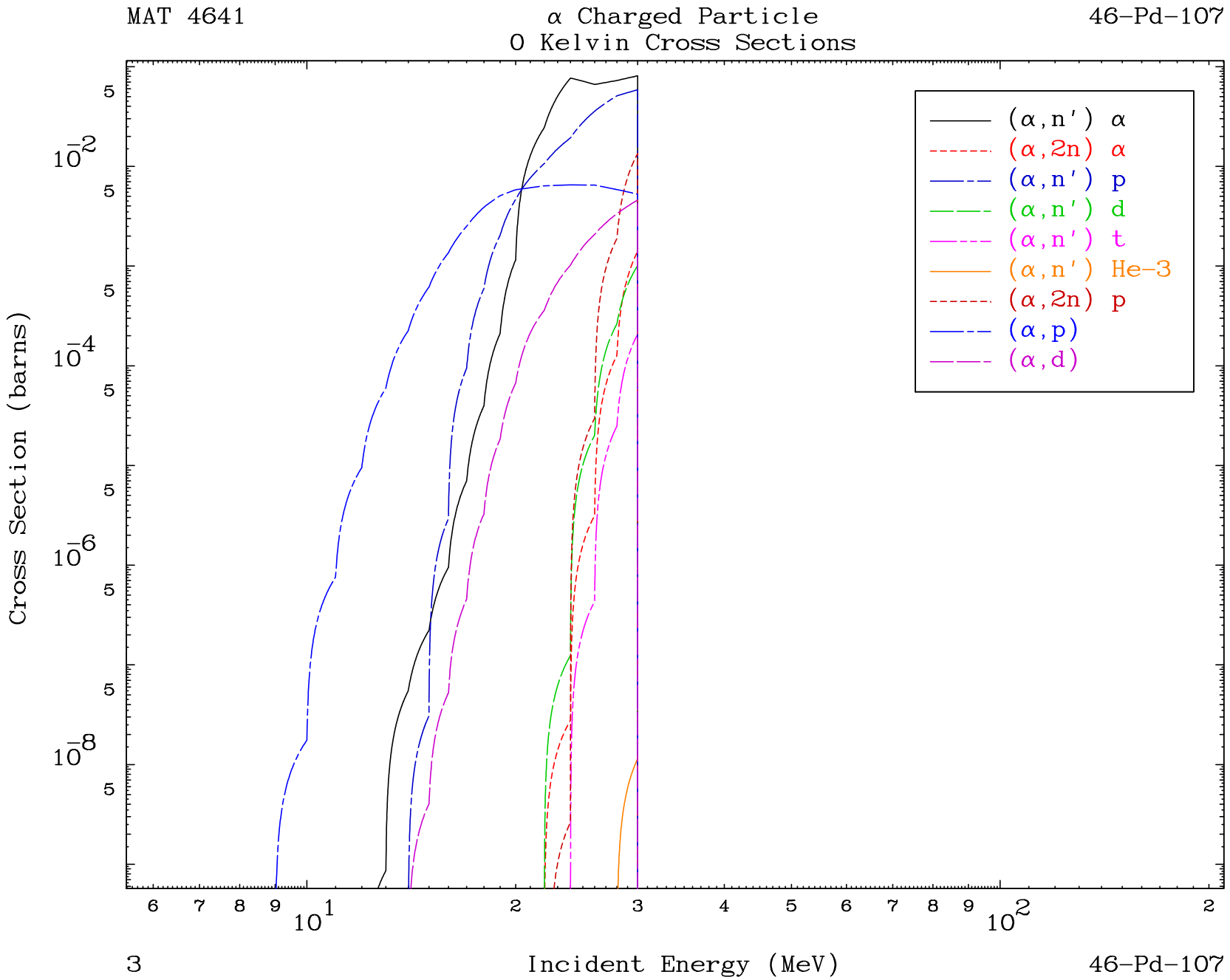
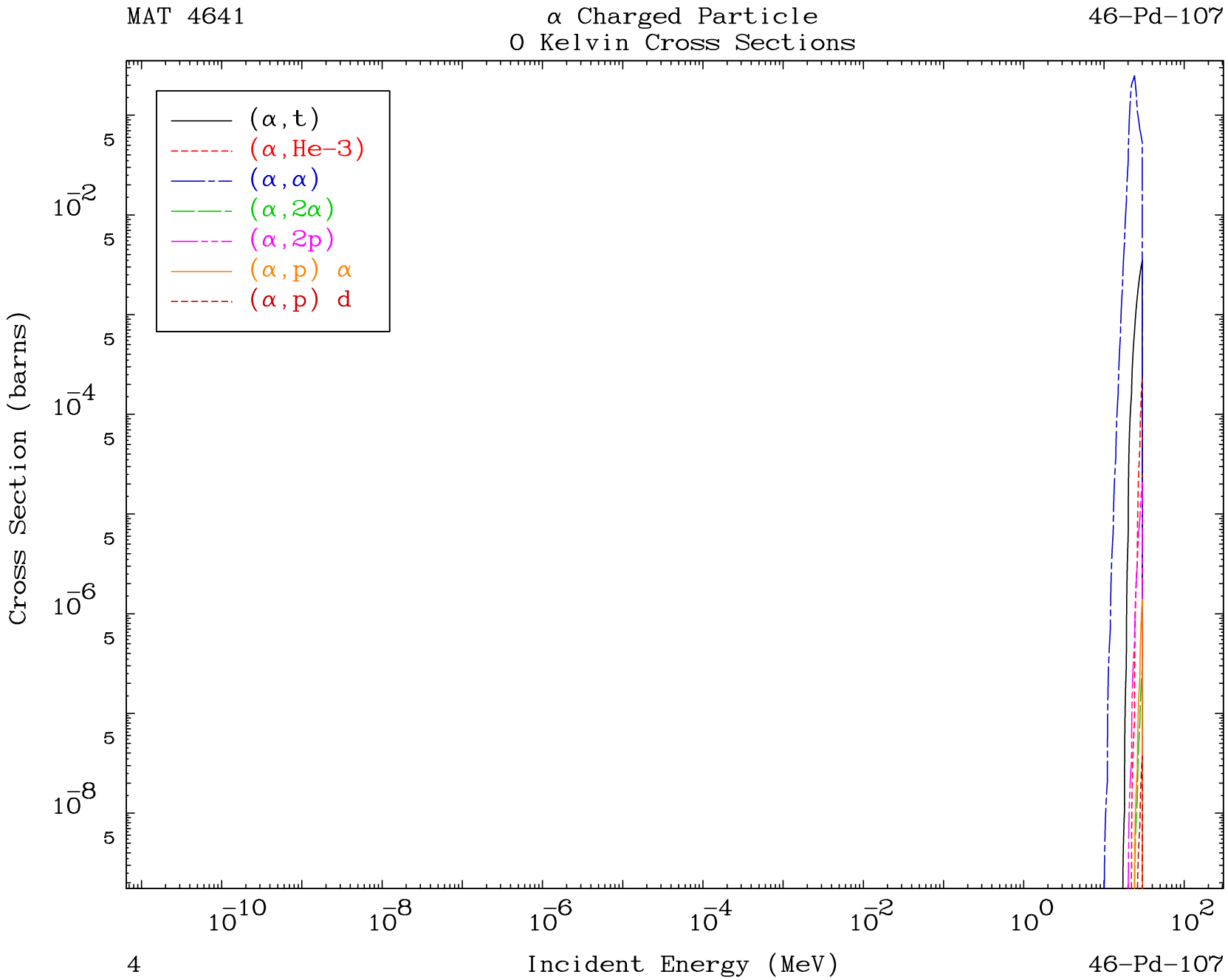
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

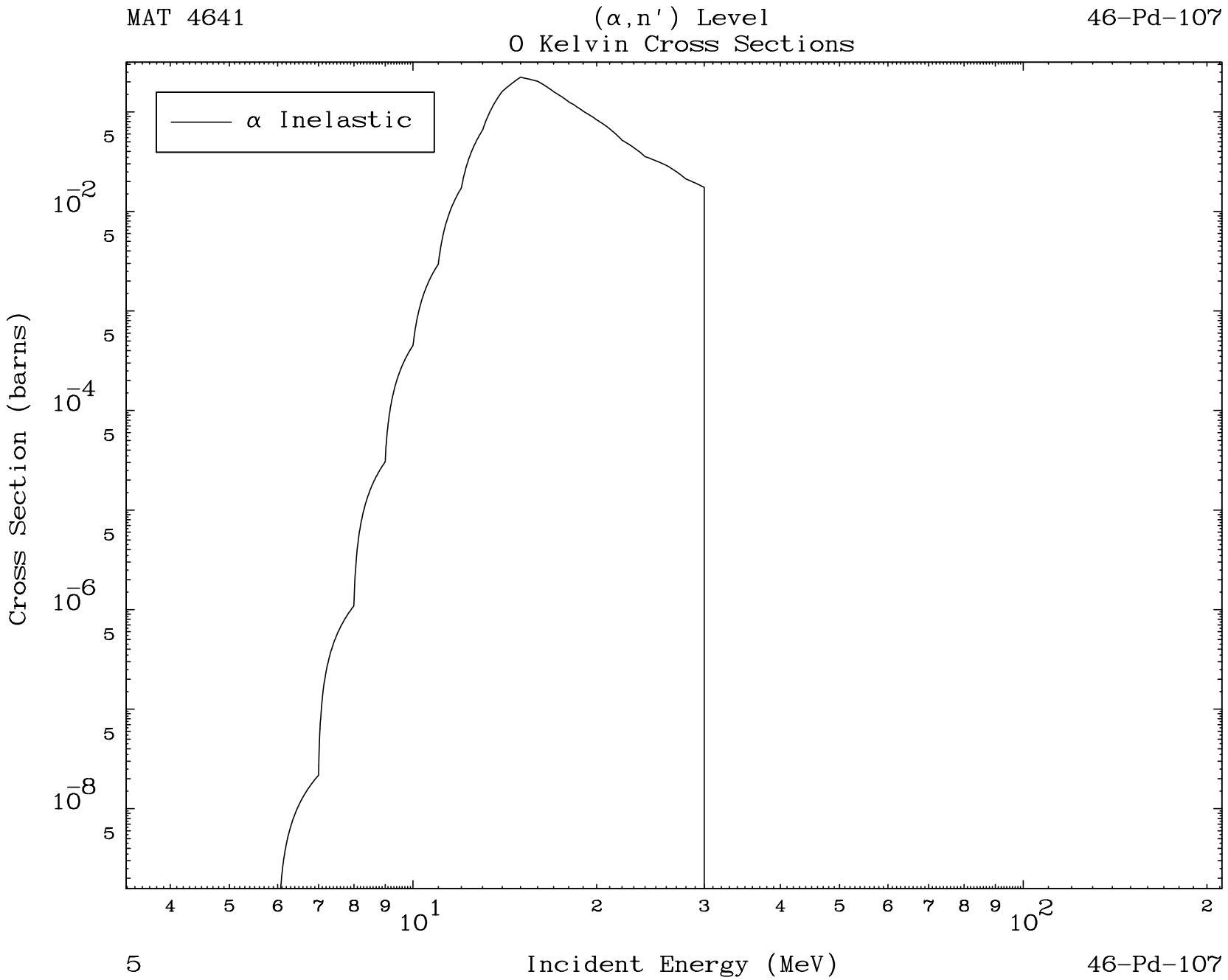
Press Mouse Button to Start

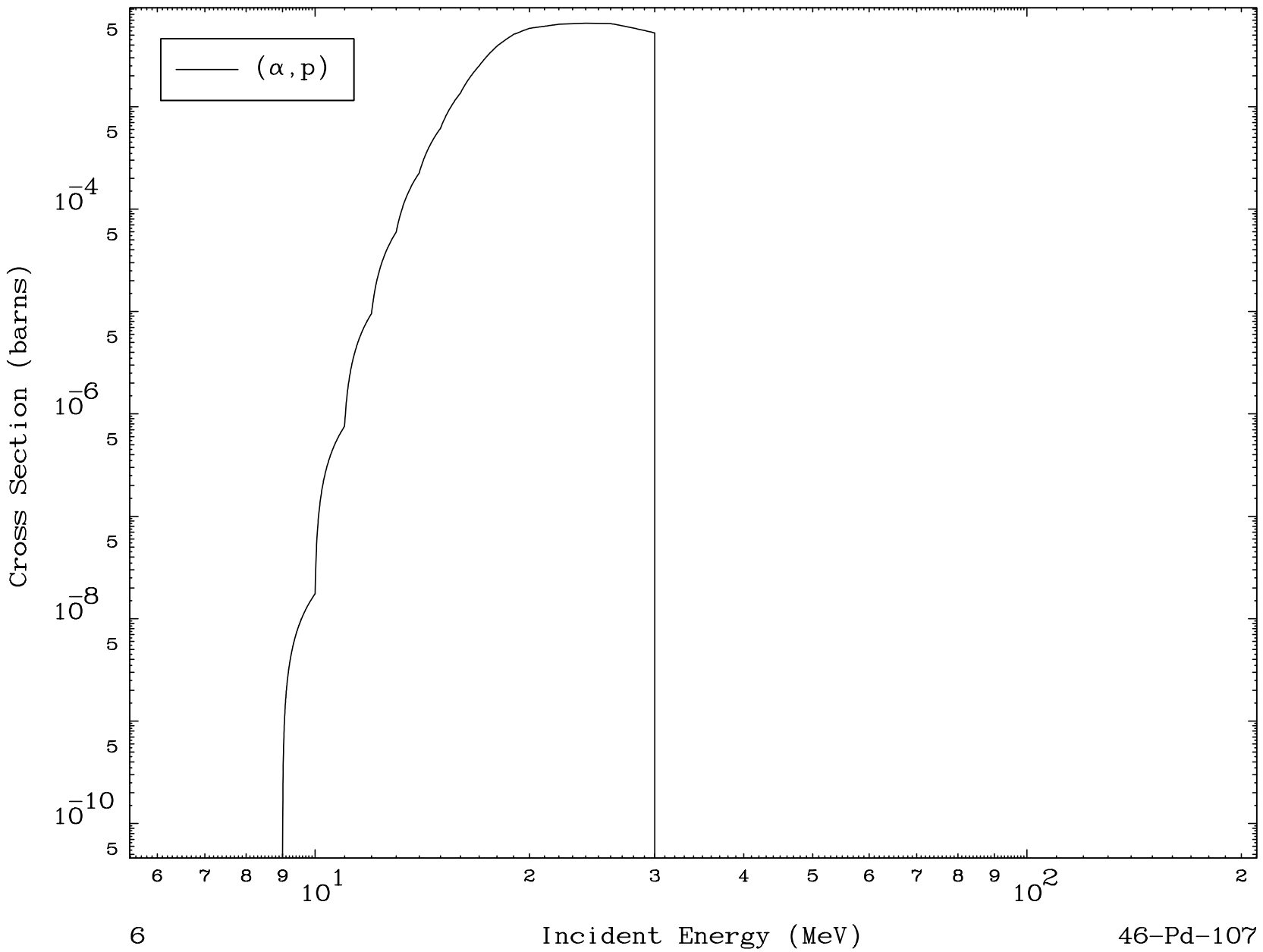

MAT 4641
α Major
46-Pd-107
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
46-Pd-107
1

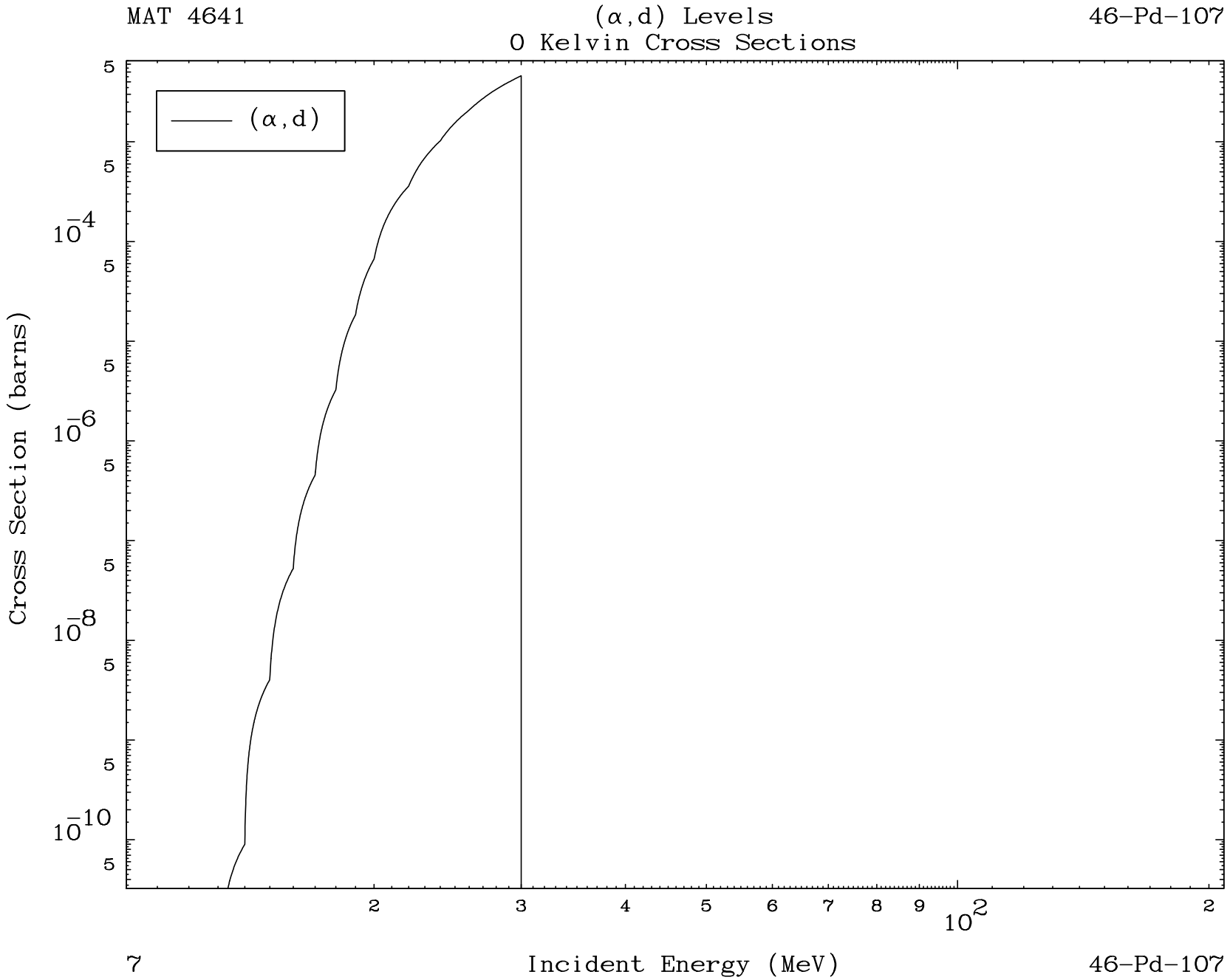

MAT 4641
α Neutron Production
0 Kelvin Cross Sections
46-Pd-107
Cross Section (barns)
Incident Energy (MeV)
46-Pd-107
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p

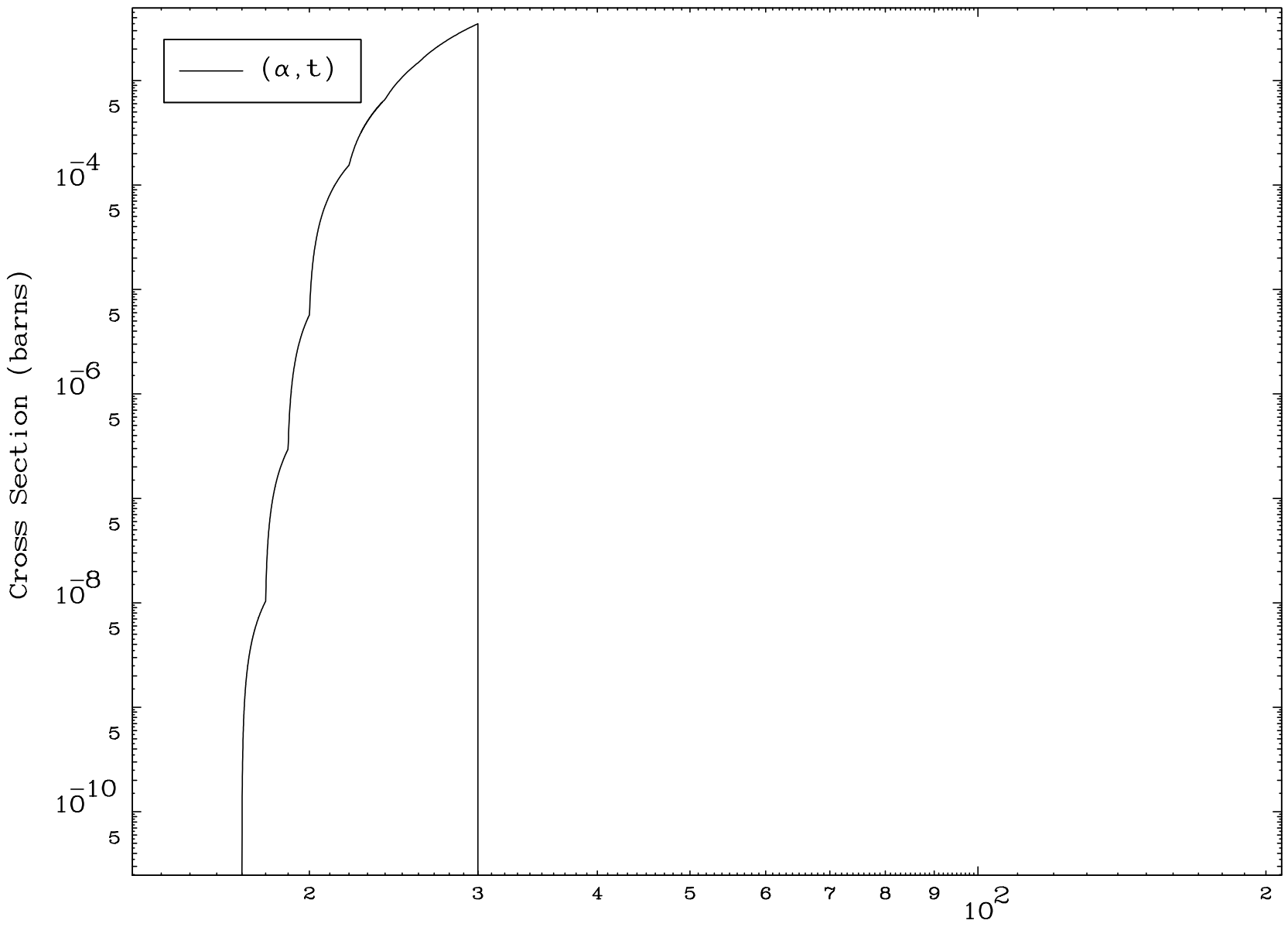

MAT 4641
α Charged Particle
0 Kelvin Cross Sections
46-Pd-107
Cross Section (barns)
Incident Energy (MeV)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,p)
(α,d)
3
46-Pd-107

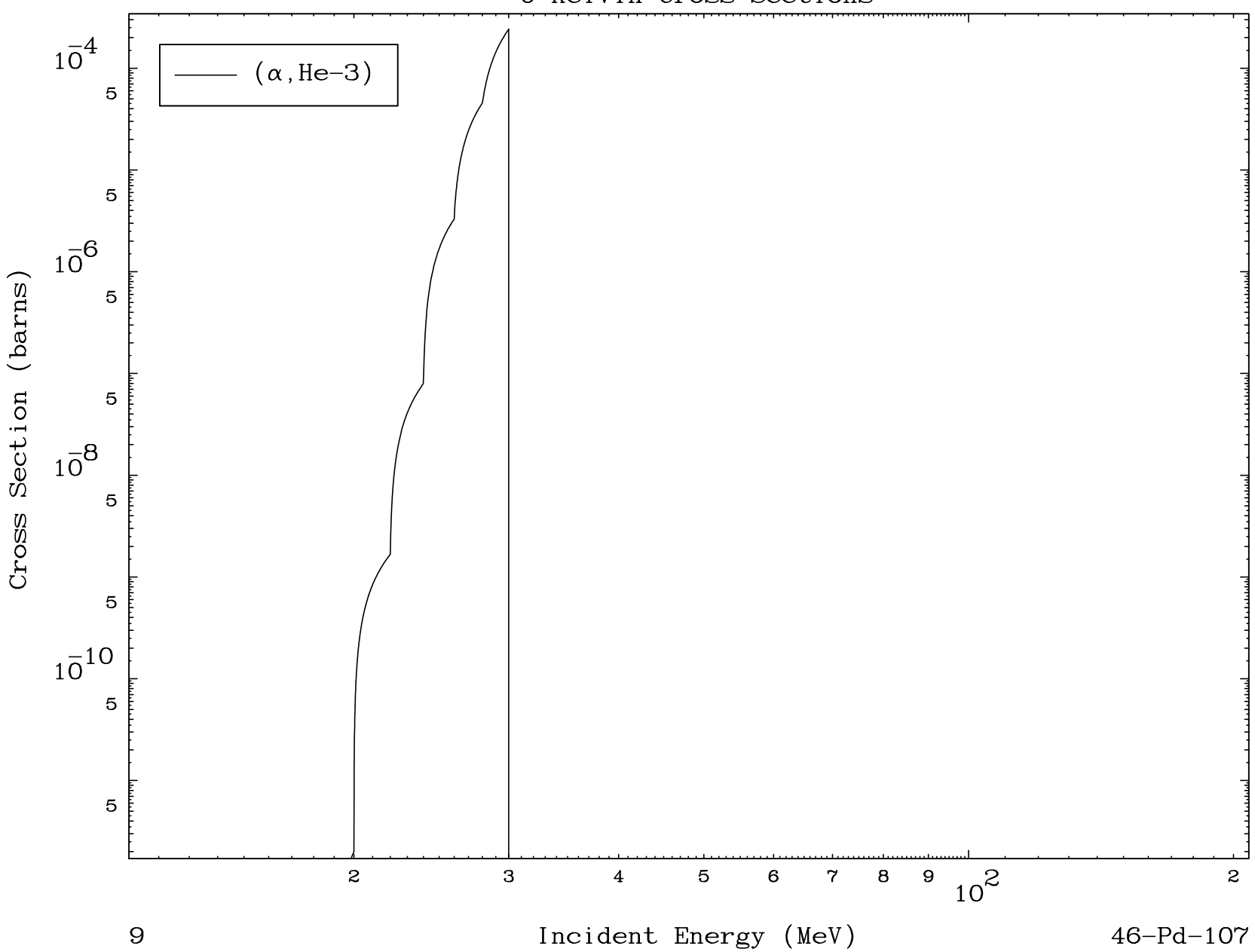

MAT 4641
α Charged Particle
46-Pd-107
0 Kelvin Cross Sections
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
Cross Section (barns)
Incident Energy (MeV)
4
46-Pd-107

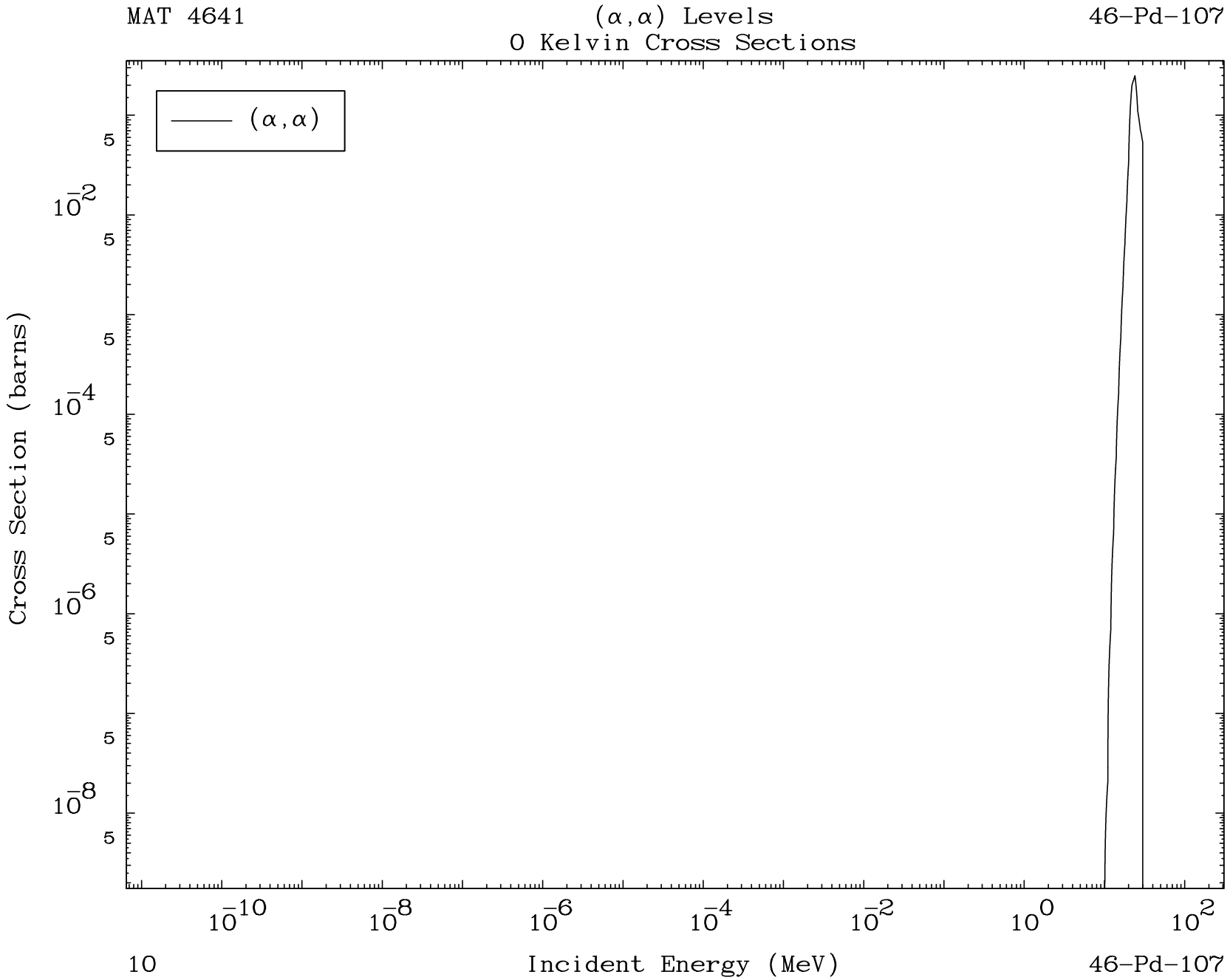

MAT 4641
(α,n') Level
46-Pd-107
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
5
46-Pd-107

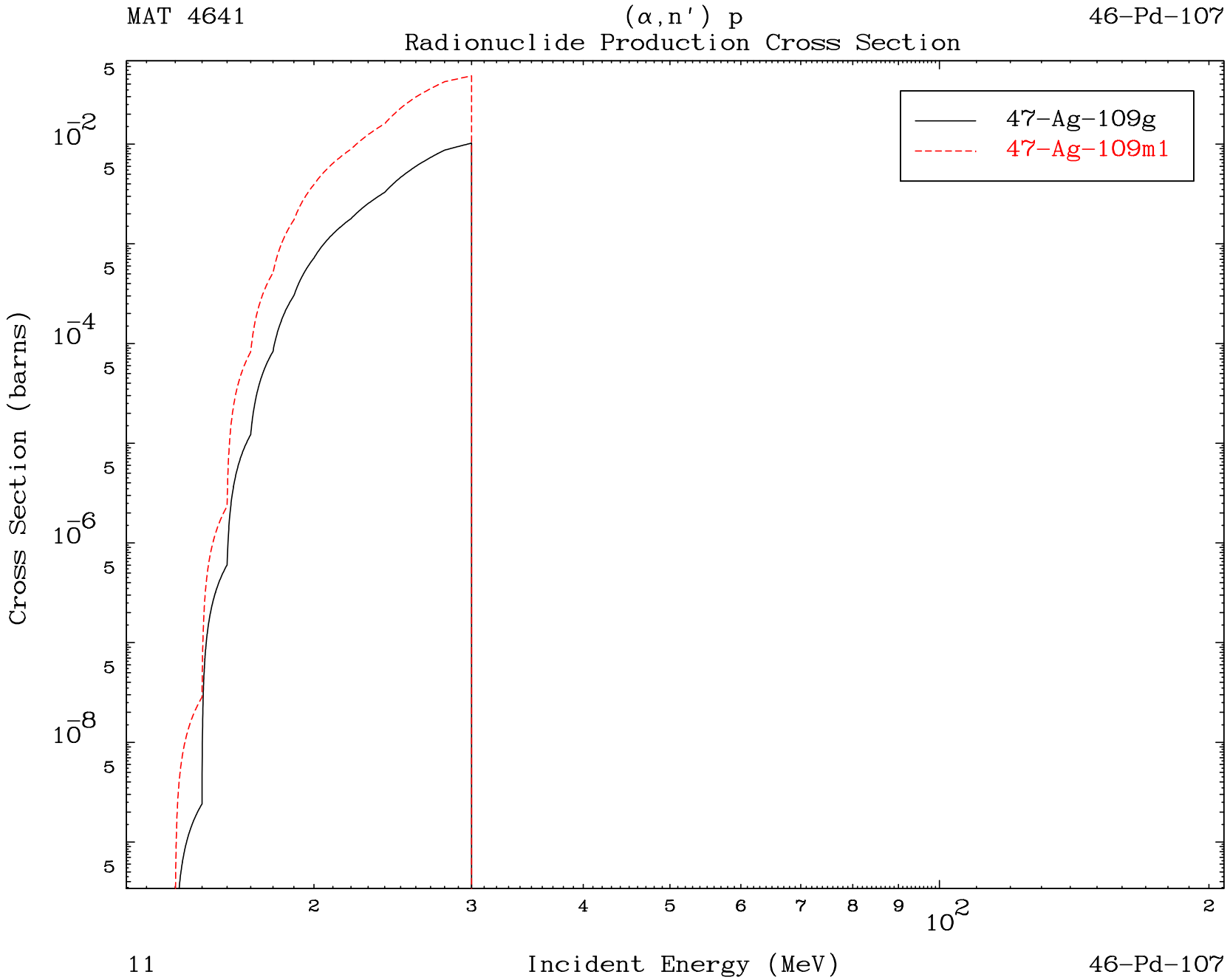

0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)

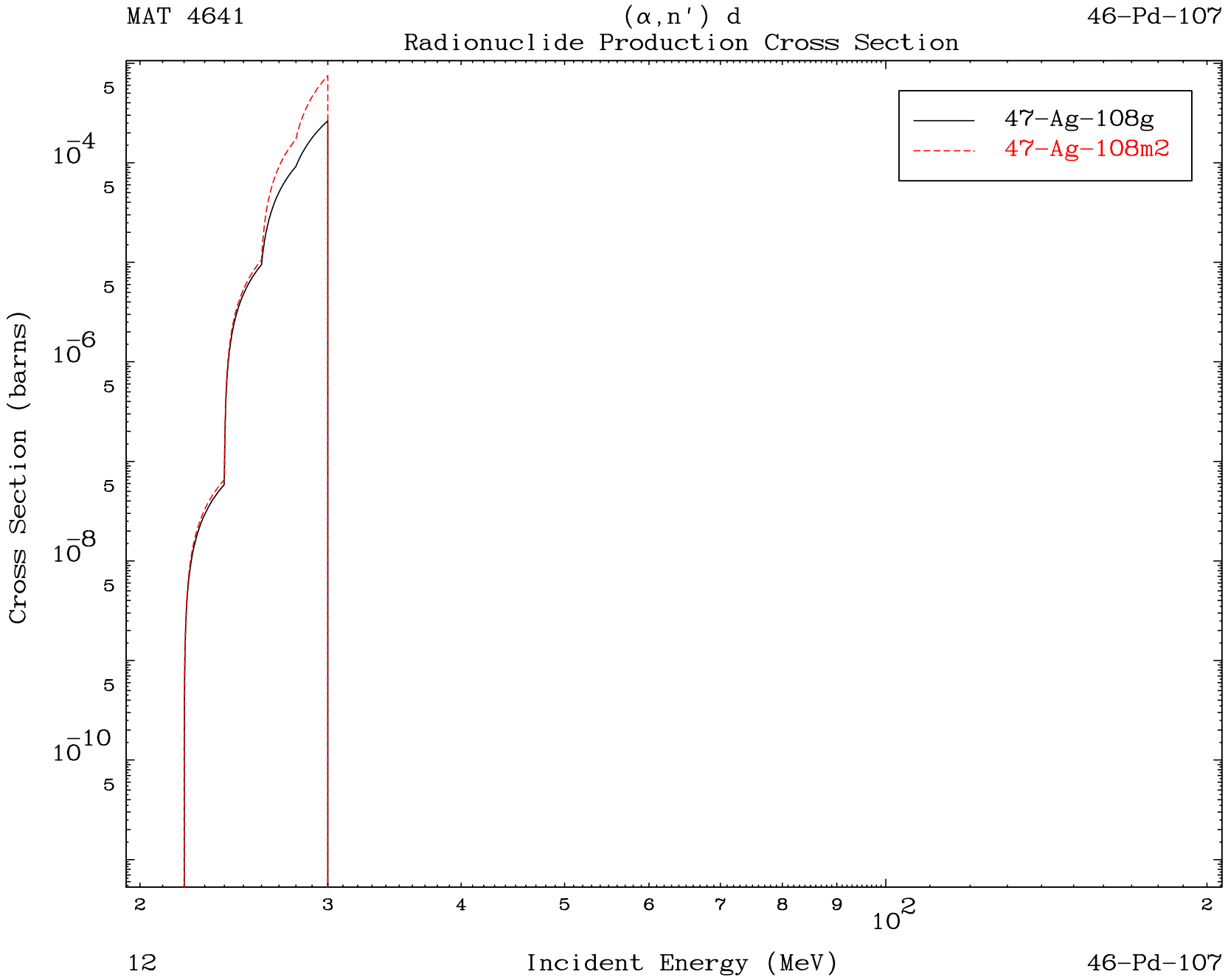

MAT 4641
(α,d) Levels
46-Pd-107
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
46-Pd-107

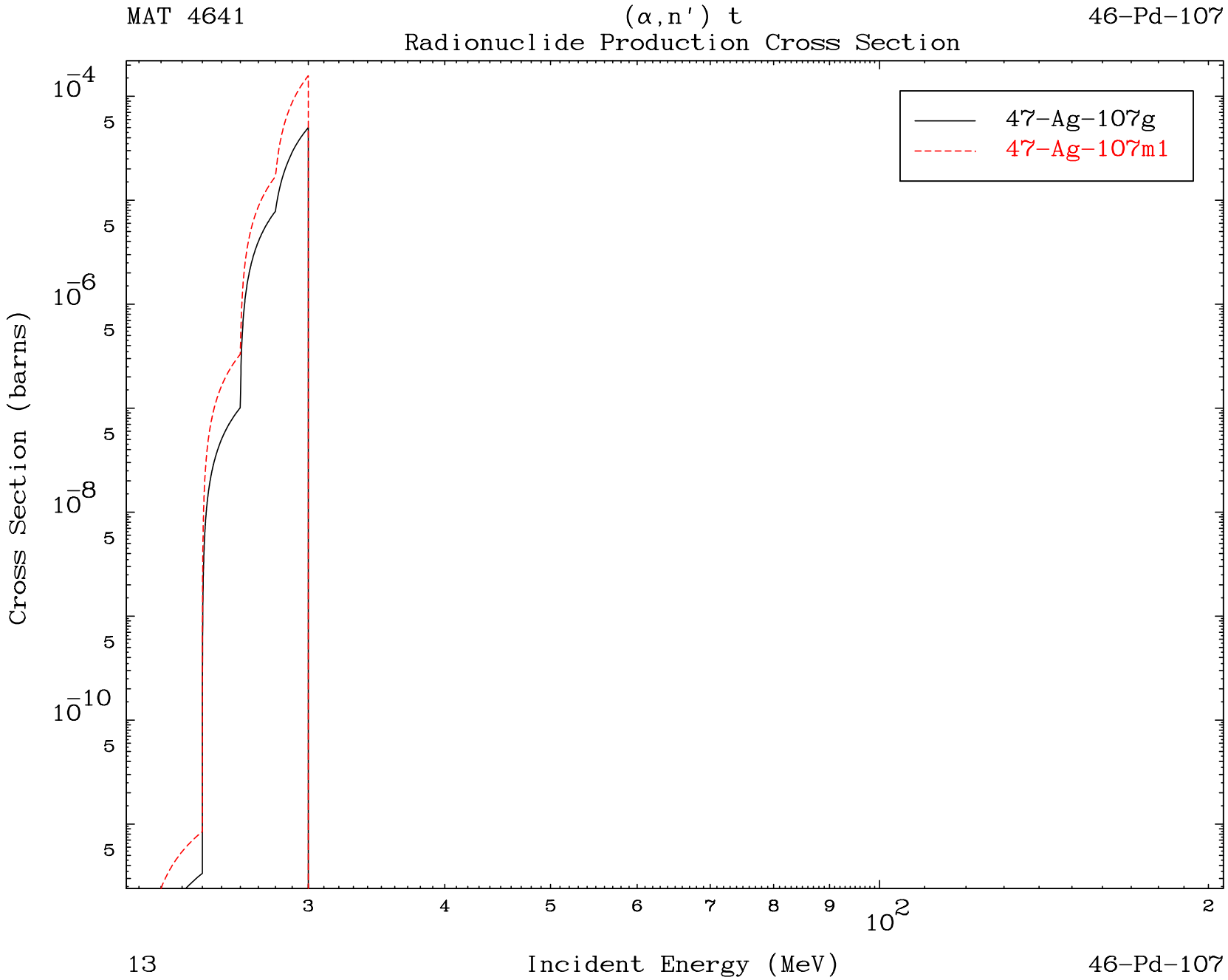

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

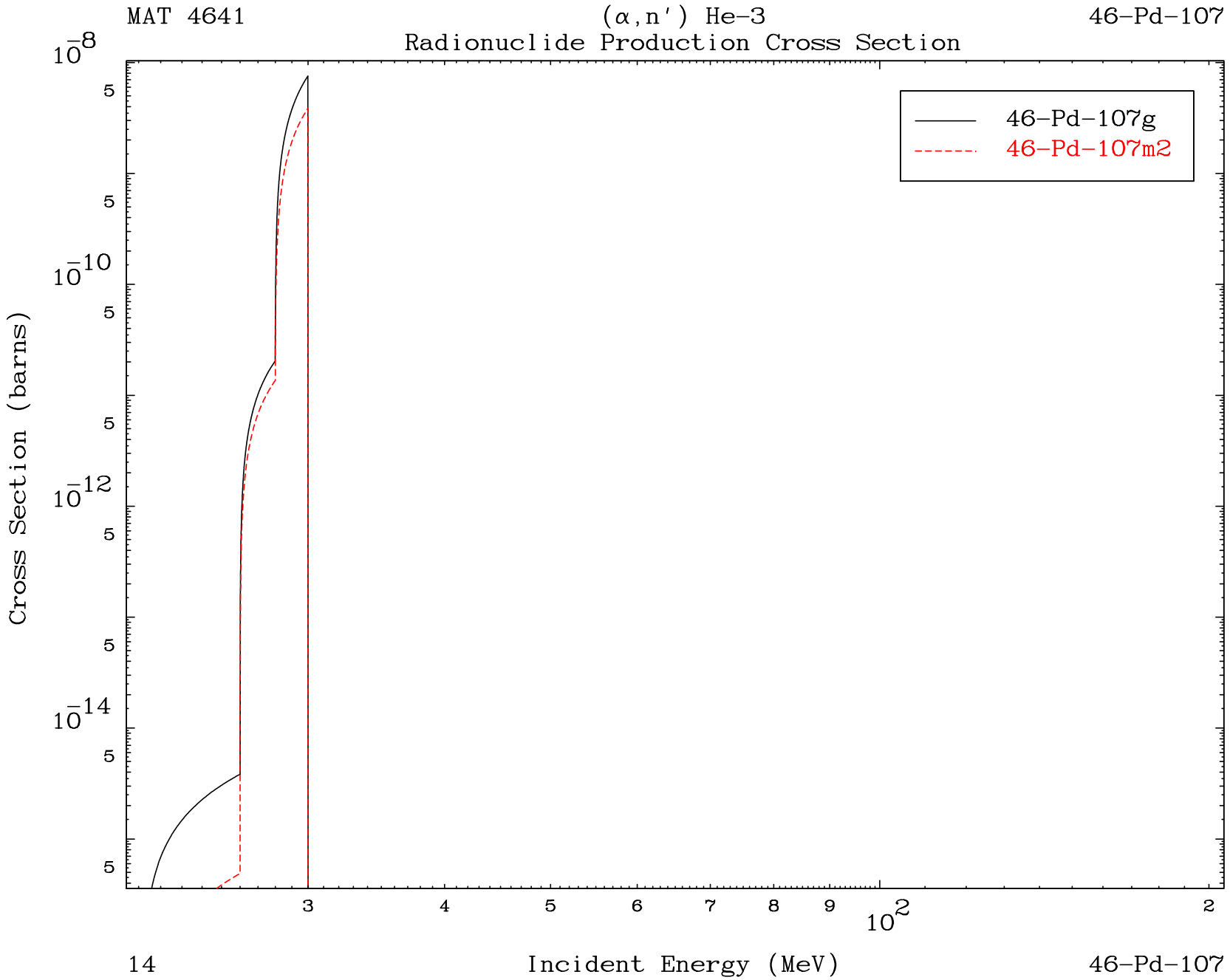

0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

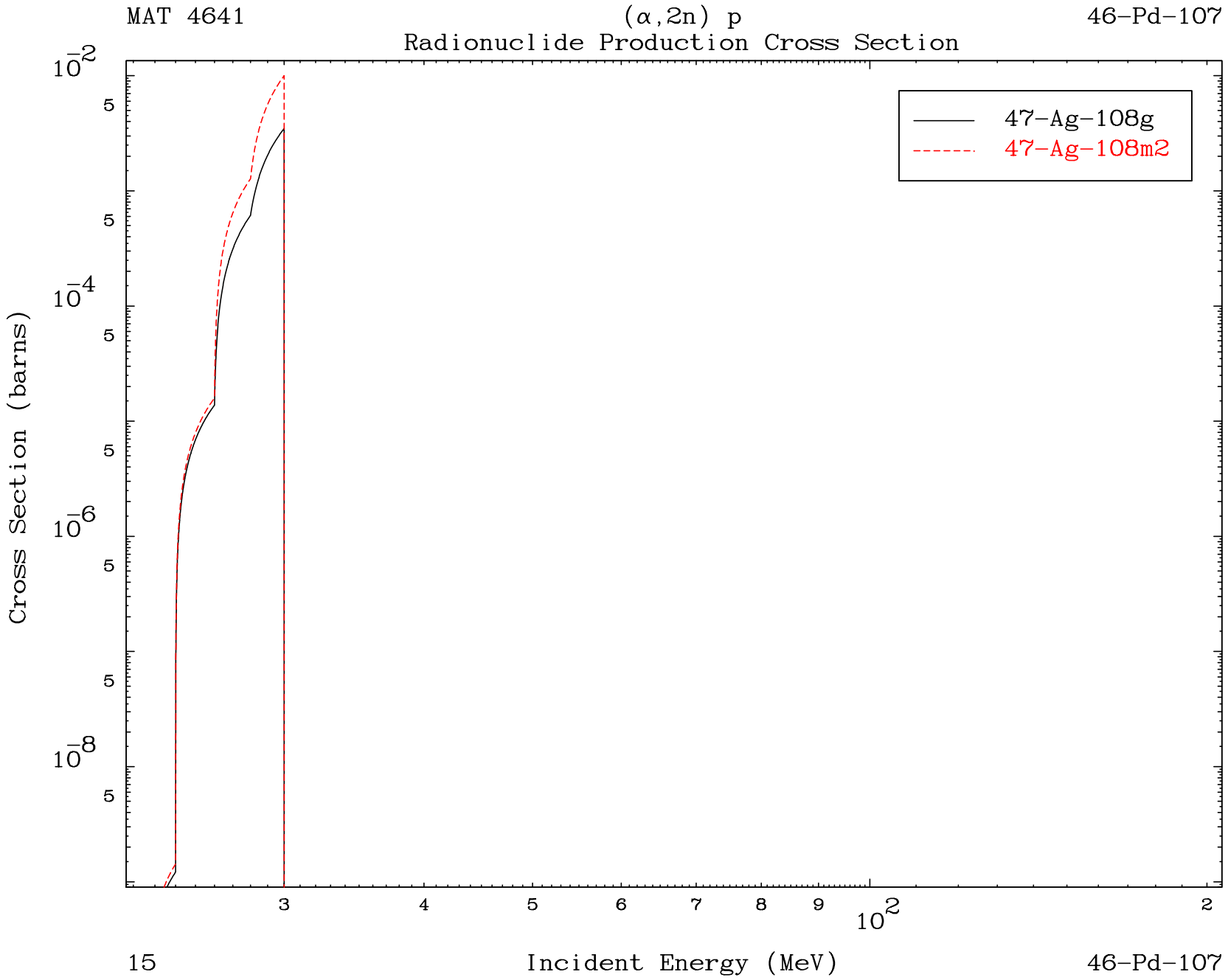

MAT 4641
(α,α) Levels
46-Pd-107
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
46-Pd-107
10

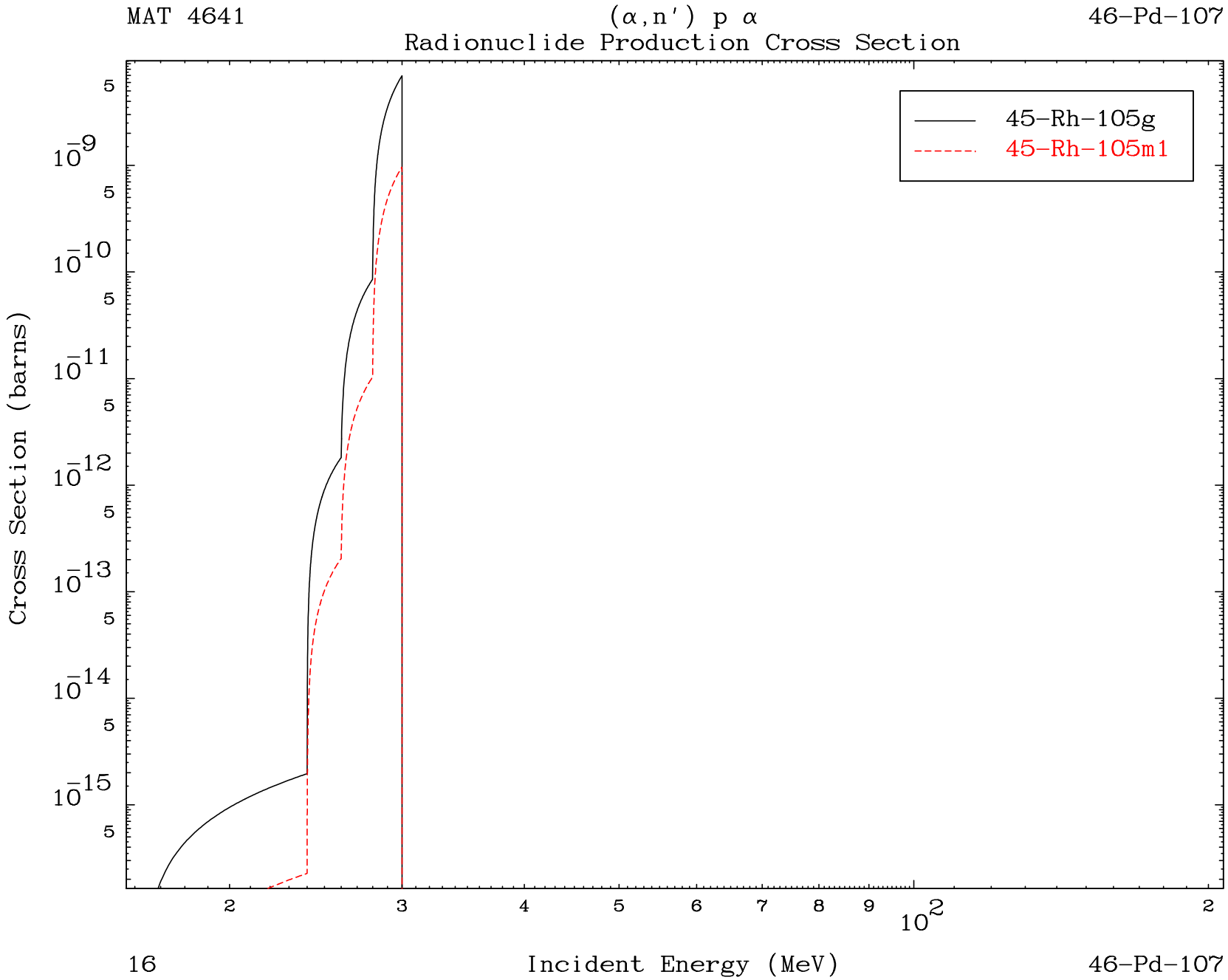

MAT 4641
(α,n') p
46-Pd-107
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
11
Incident Energy (MeV)
46-Pd-107

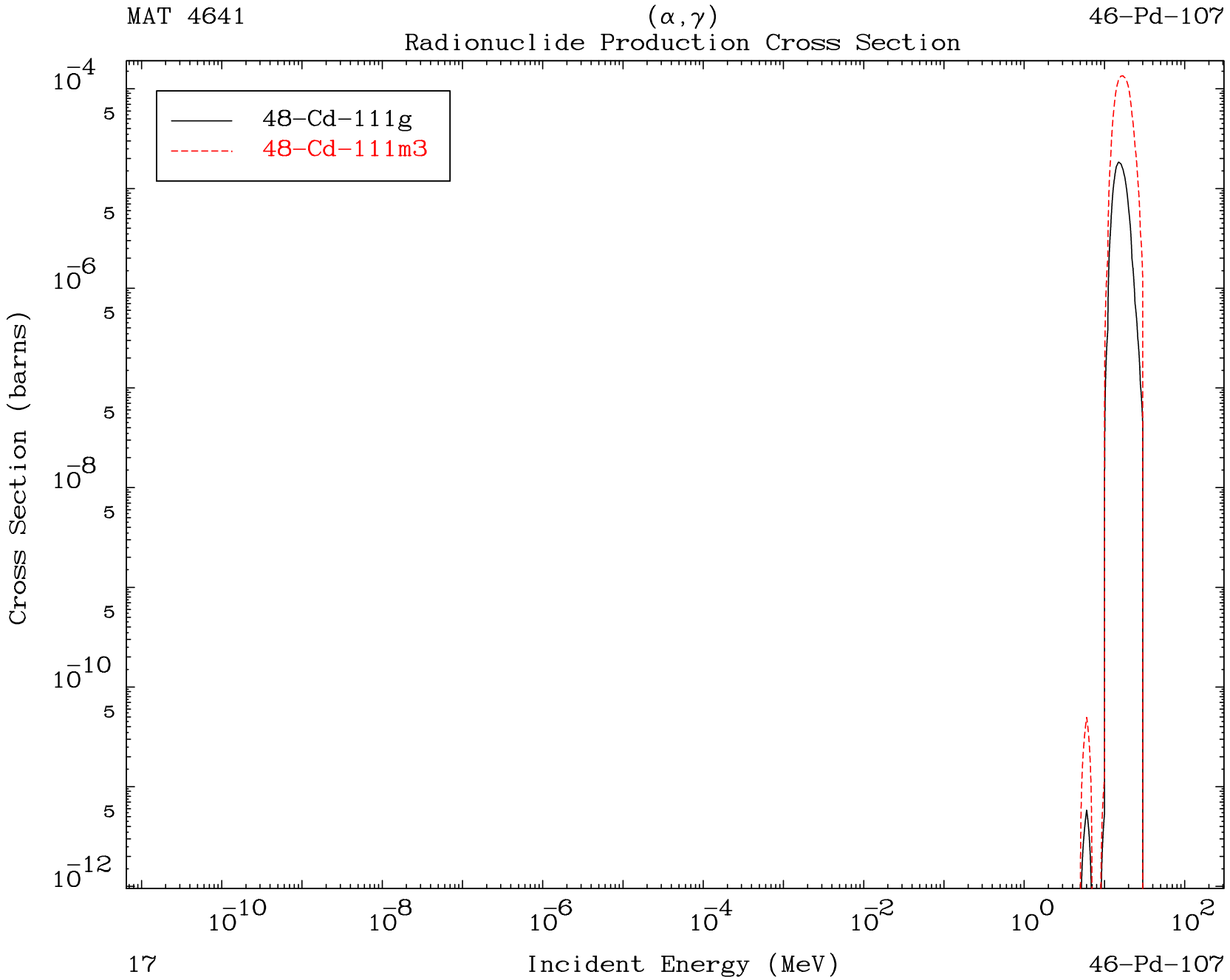

MAT 4641
(α,n') d
46-Pd-107
Radionuclide Production Cross Section
47-Ag-108g
47-Ag-108m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
12
46-Pd-107

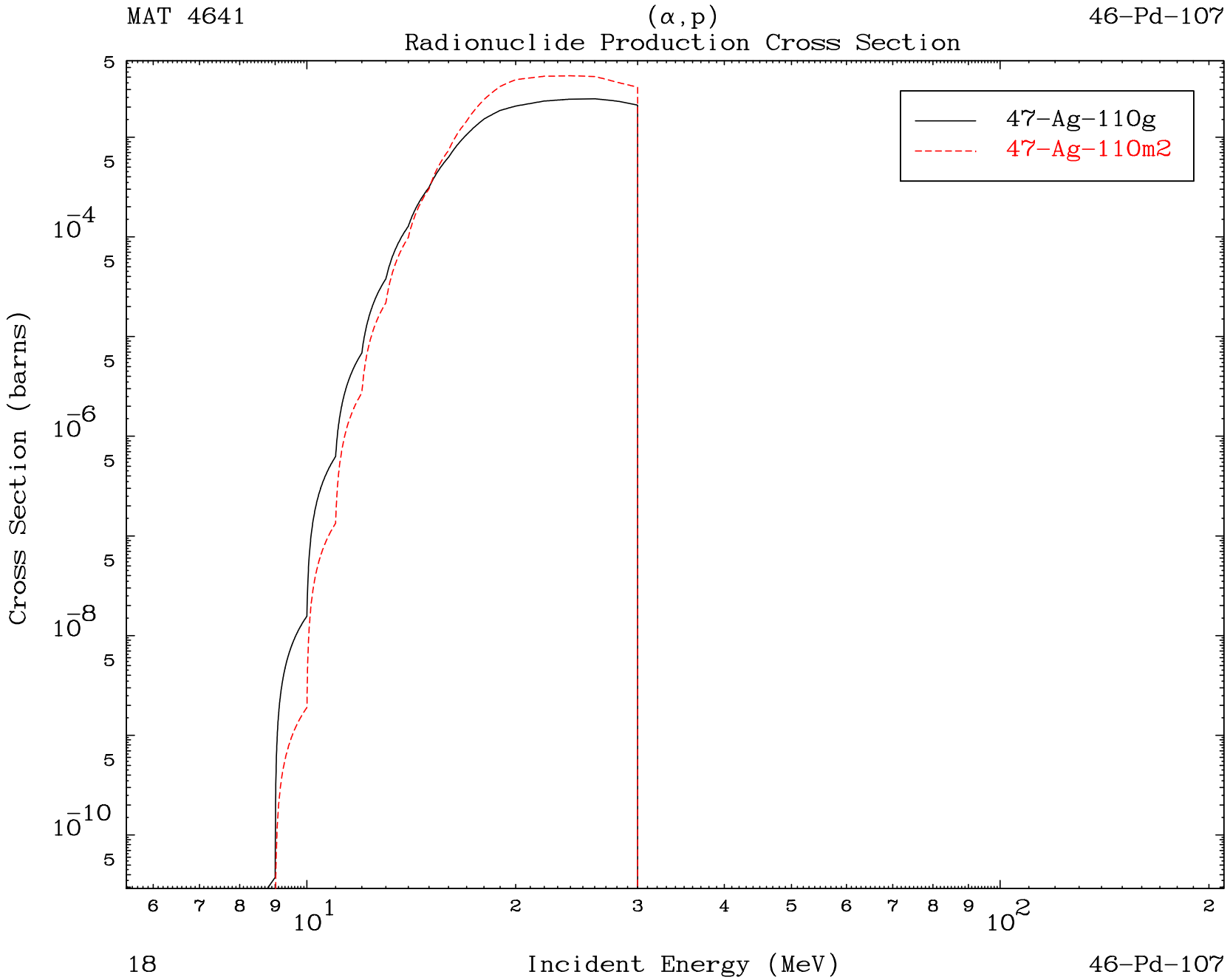

MAT 4641
(α,n') t
46-Pd-107
Radionuclide Production Cross Section
47-Ag-107g
47-Ag-107m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
13
46-Pd-107

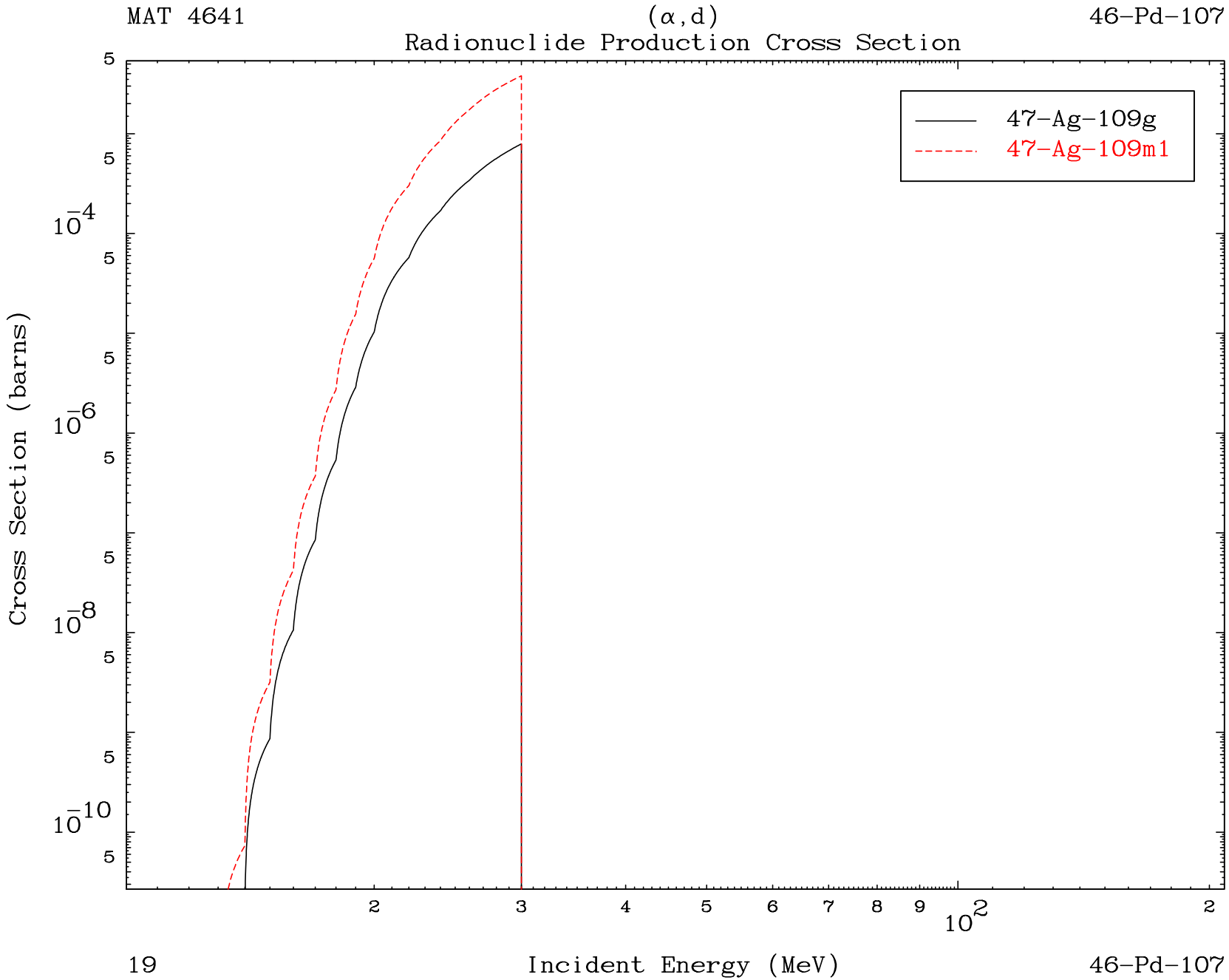

MAT 4641
(α,n') He-3
46-Pd-107
Radionuclide Production Cross Section
46-Pd-107g
46-Pd-107m2
Cross Section (barns)
Incident Energy (MeV)
14
46-Pd-107

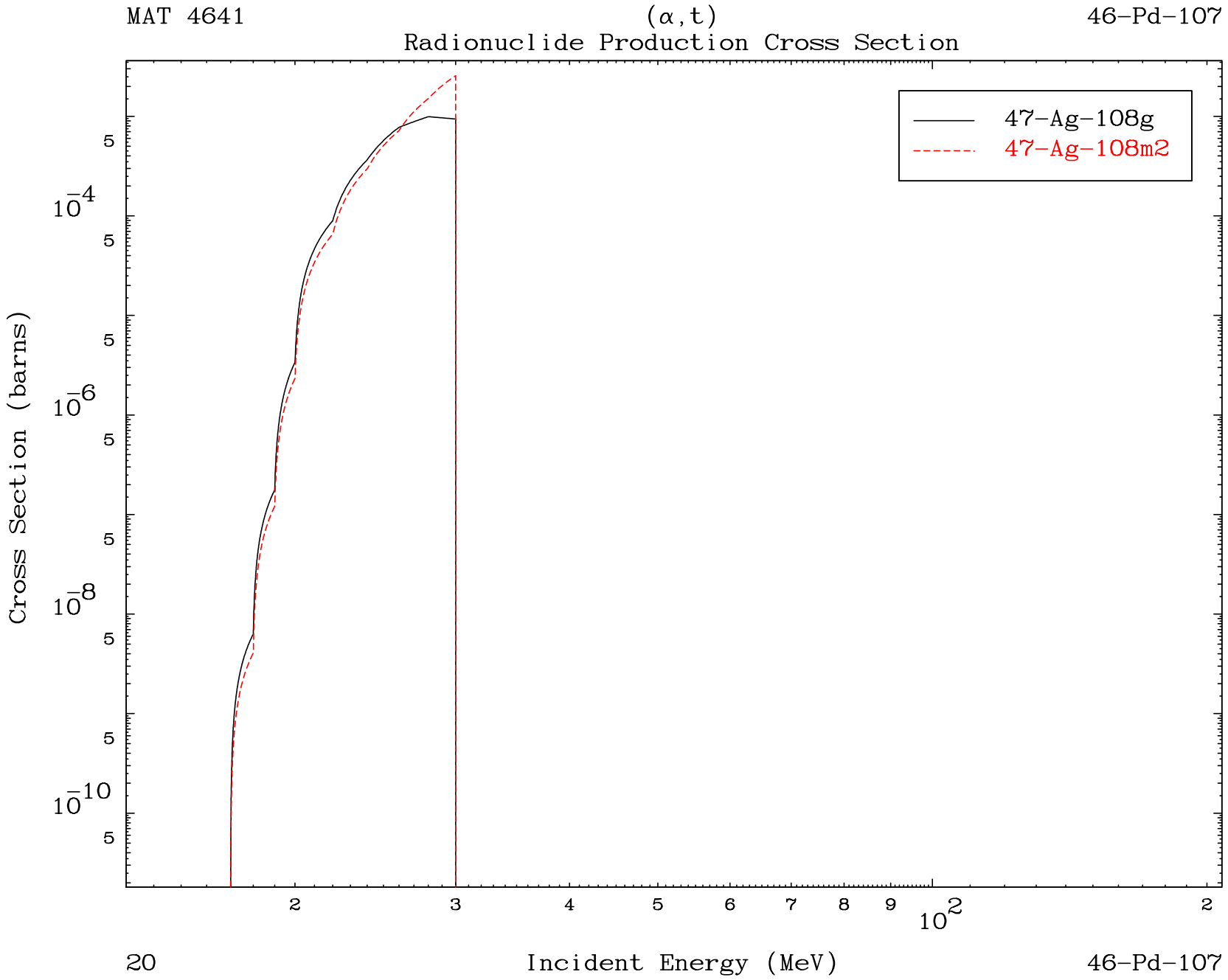

MAT 4641
(α,2n) p
46-Pd-107
Radionuclide Production Cross Section
47-Ag-108g
47-Ag-108m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
46-Pd-107

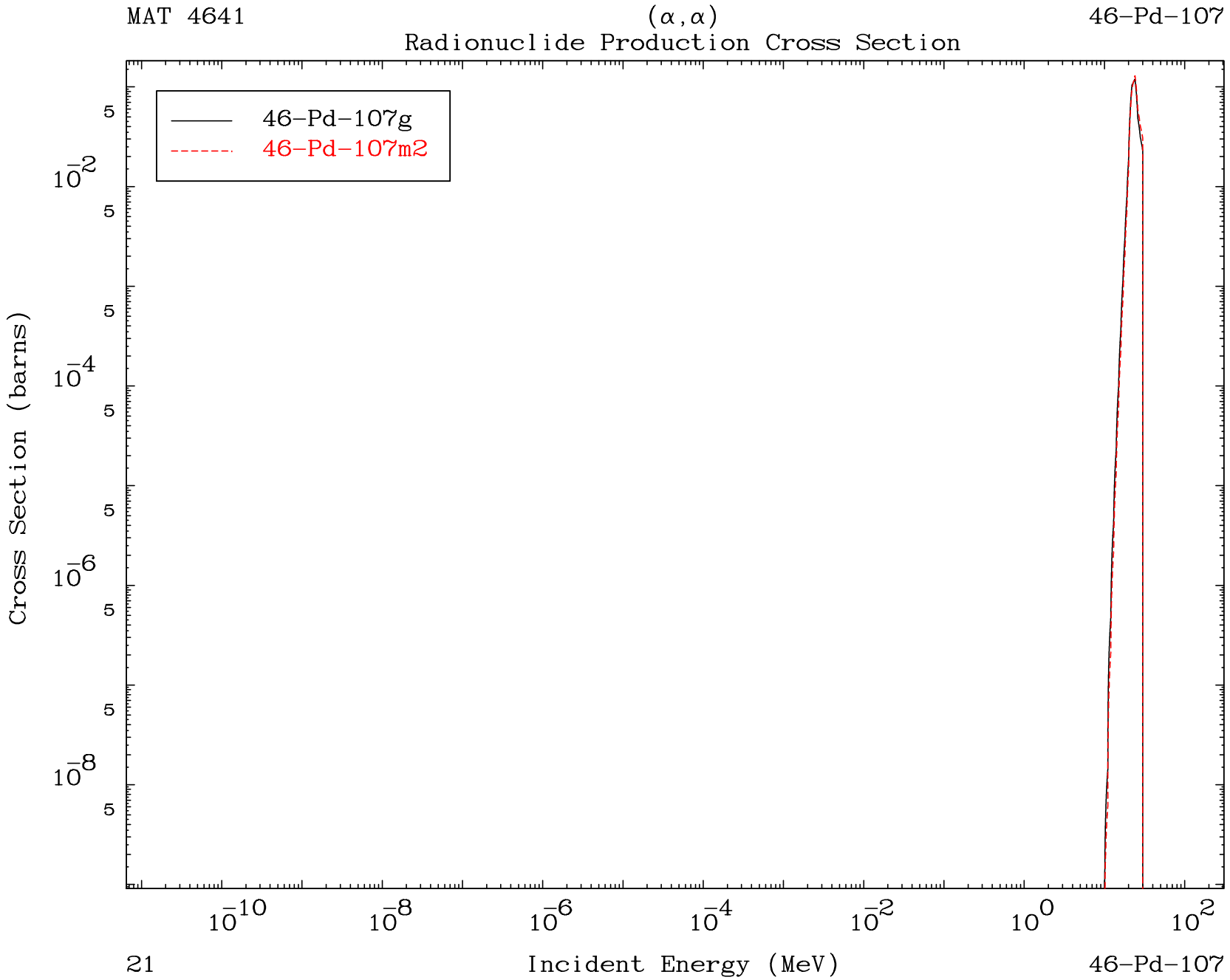

MAT 4641
(α,n') p α
46-Pd-107
Radionuclide Production Cross Section
45-Rh-105g
45-Rh-105m1
Cross Section (barns)
Incident Energy (MeV)
16
46-Pd-107

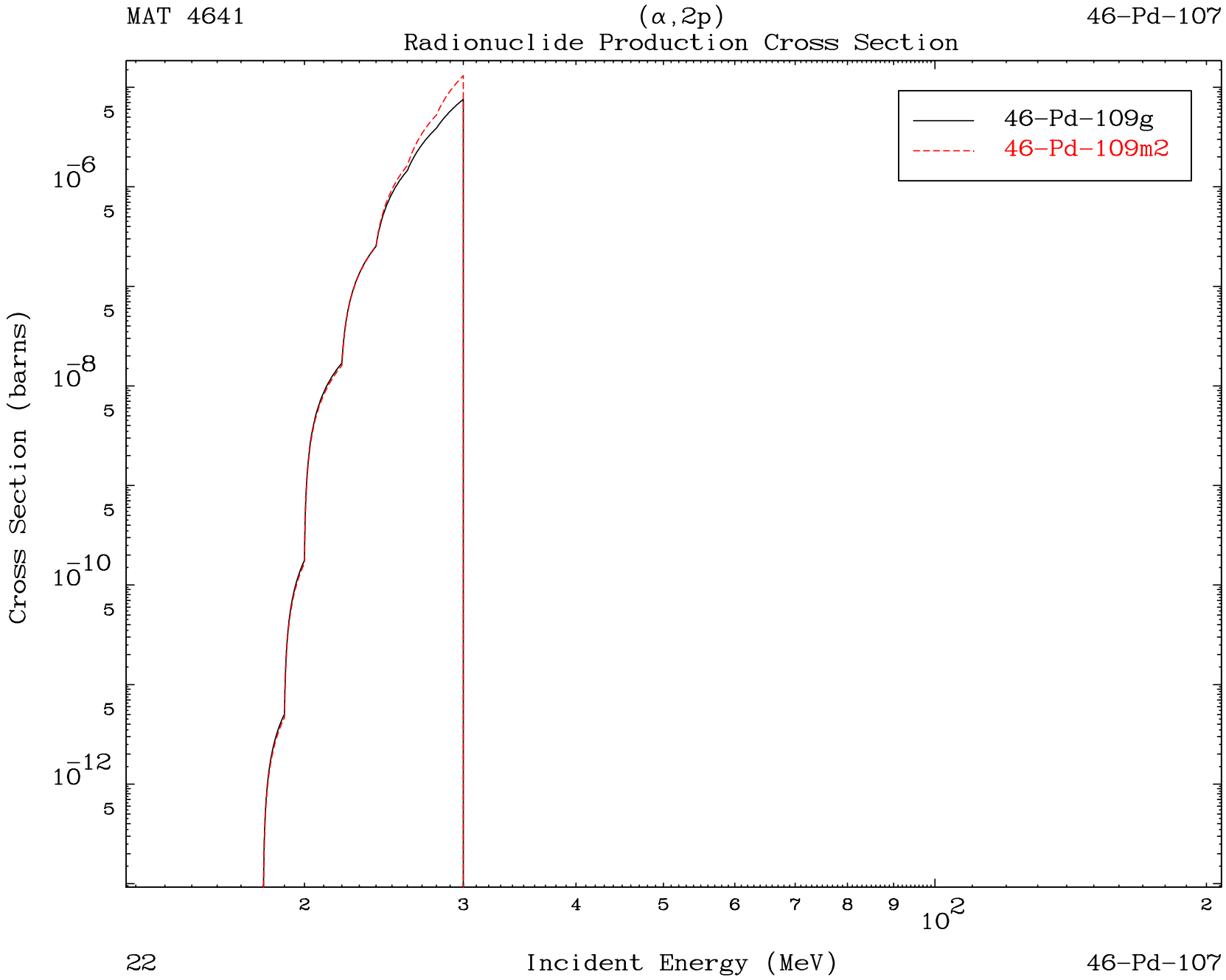

MAT 4641
(α,γ)
46-Pd-107
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
Incident Energy (MeV)
17
46-Pd-107

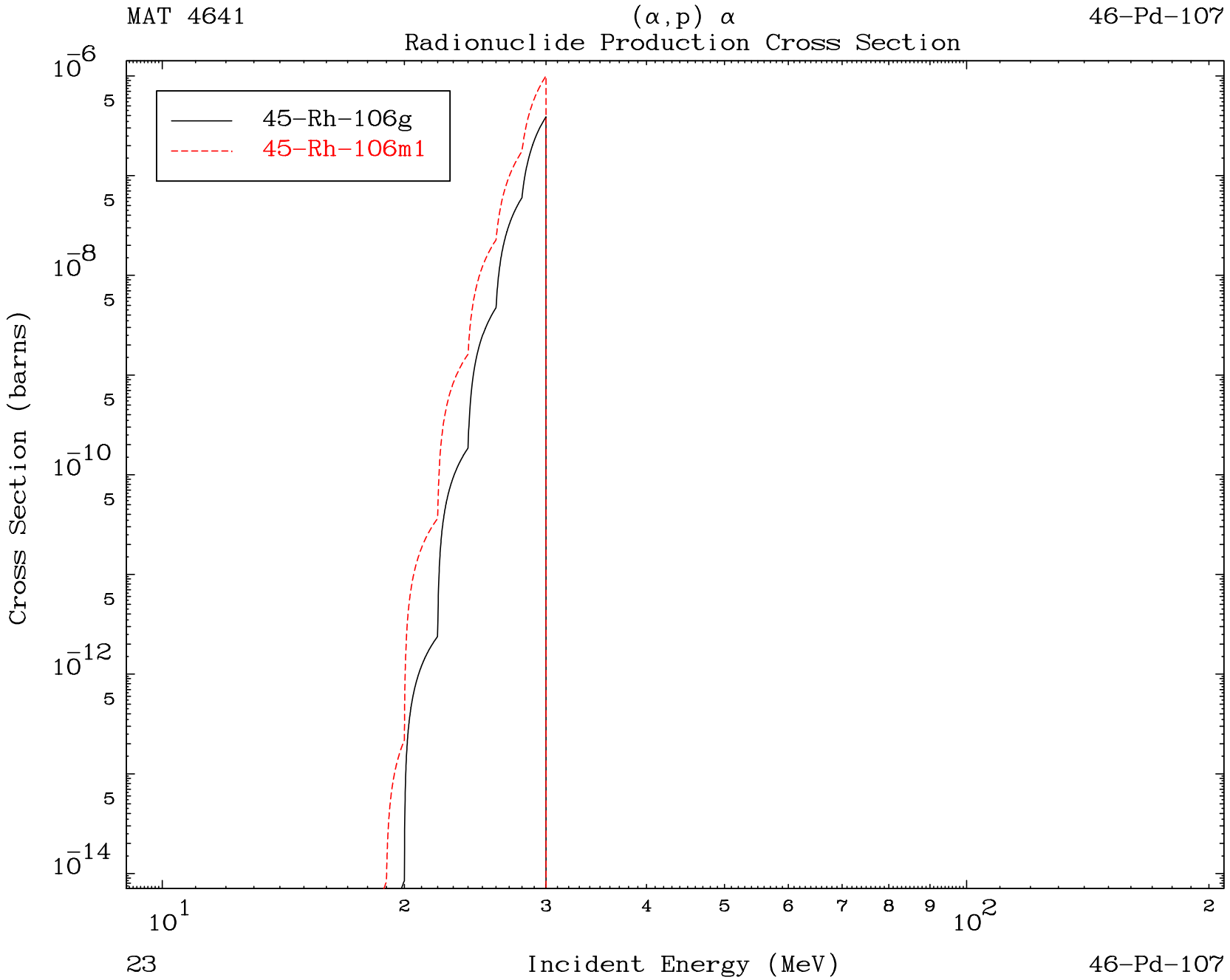

MAT 4641
(α,p)
46-Pd-107
Radionuclide Production Cross Section
47-Ag-110g
47-Ag-110m2
Cross Section (barns)
Incident Energy (MeV)
18
46-Pd-107

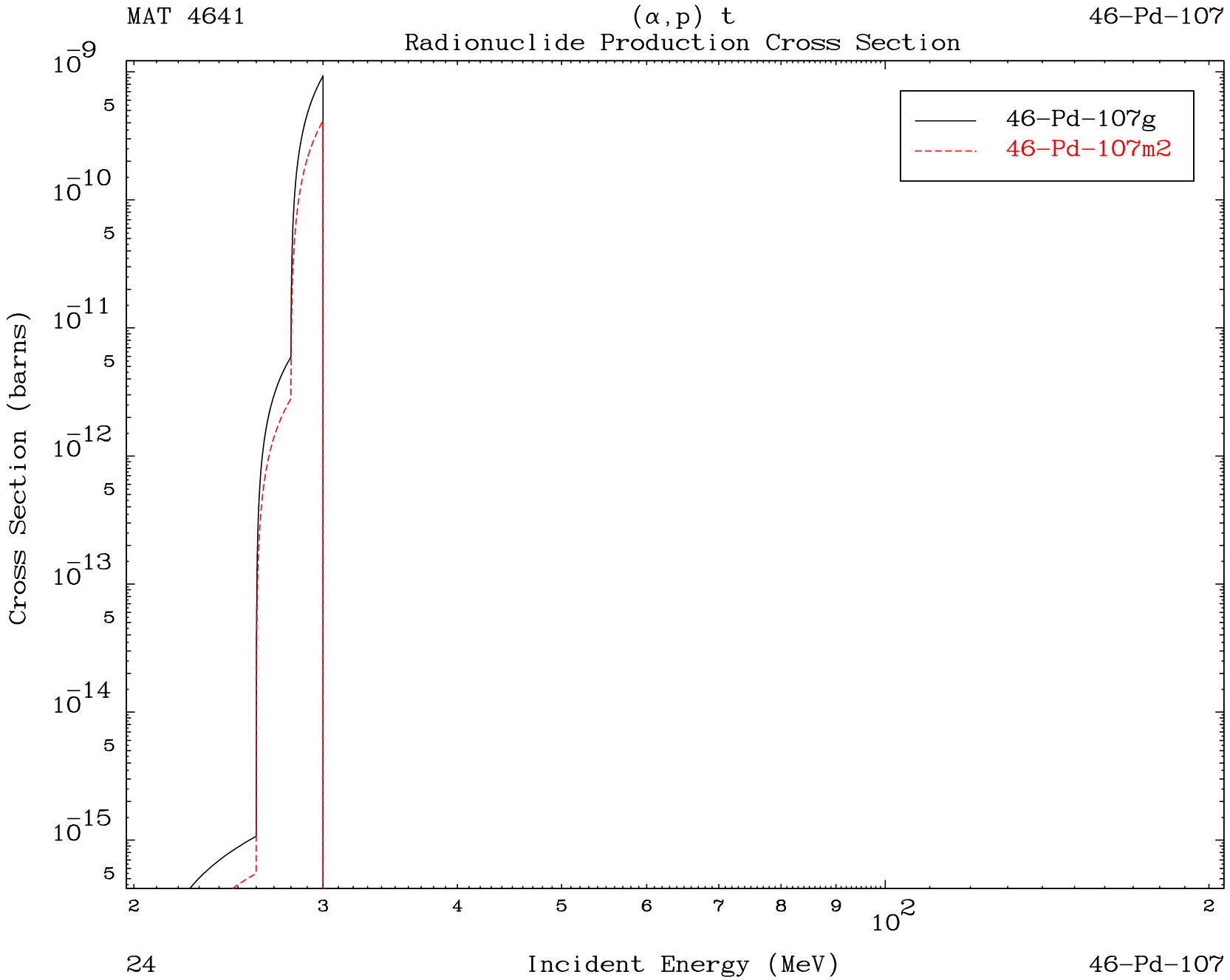

MAT 4641
(α,d)
46-Pd-107
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
19
46-Pd-107


MAT 4641
(α,t)
46-Pd-107
Radionuclide Production Cross Section
47-Ag-108g
47-Ag-108m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
46-Pd-107


MAT 4641
(α,α)
46-Pd-107
Radionuclide Production Cross Section
46-Pd-107g
46-Pd-107m2
Cross Section (barns)
Incident Energy (MeV)
21
46-Pd-107


MAT 4641
(α,2p)
46-Pd-107
Radionuclide Production Cross Section
46-Pd-109g
46-Pd-109m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
22
Incident Energy (MeV)
46-Pd-107


MAT 4641
(α,p) α
46-Pd-107
Radionuclide Production Cross Section
45-Rh-106g
45-Rh-106m1
Cross Section (barns)
Incident Energy (MeV)
23
46-Pd-107


MAT 4641
(α,p) t
46-Pd-107
Radionuclide Production Cross Section
46-Pd-107g
46-Pd-107m2
Cross Section (barns)
10-9
10-10
10-11
10-12
10-13
10-14
10-15
5
2
3
4
5
6
7
8
9
10 2
2
24
Incident Energy (MeV)
46-Pd-107