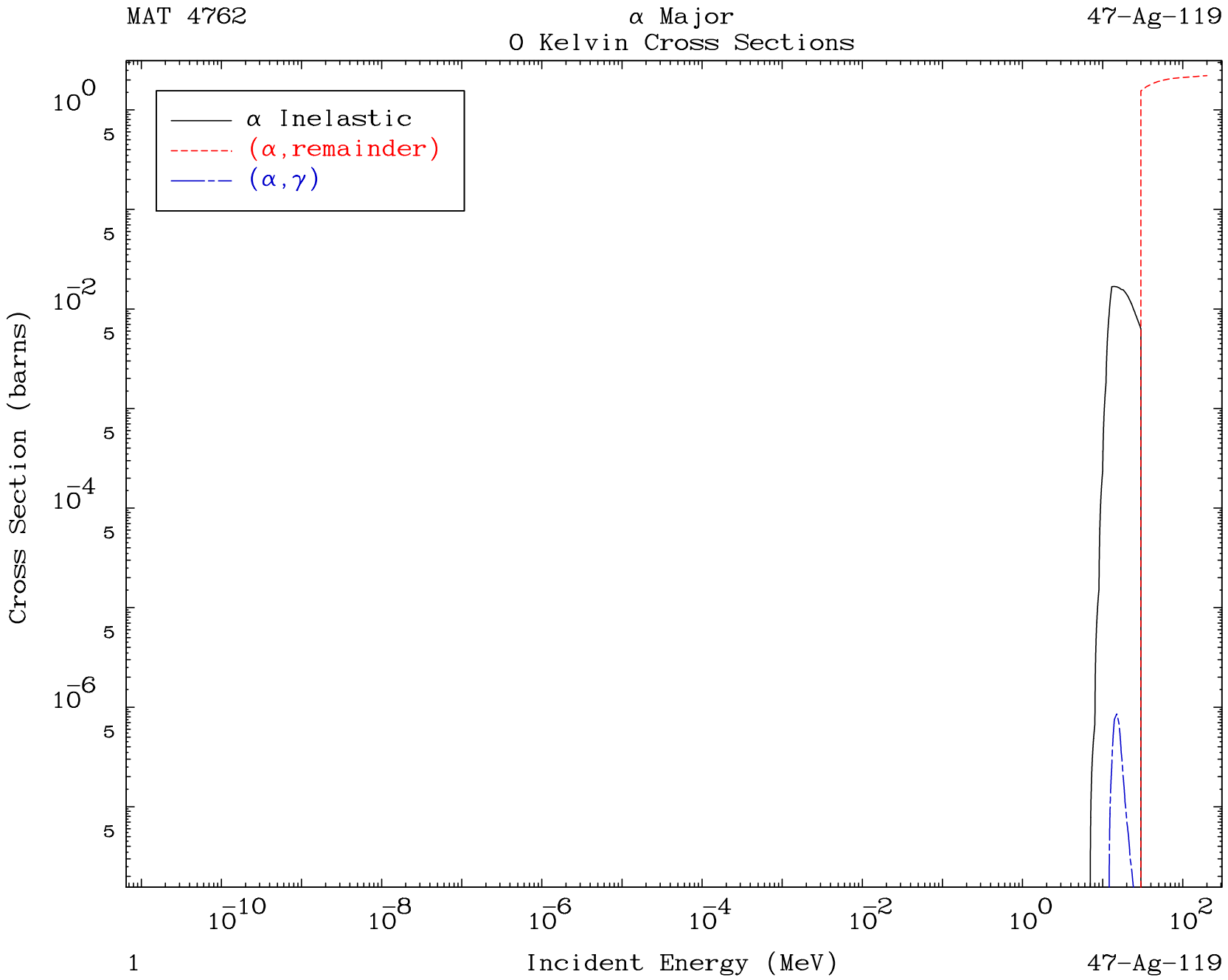
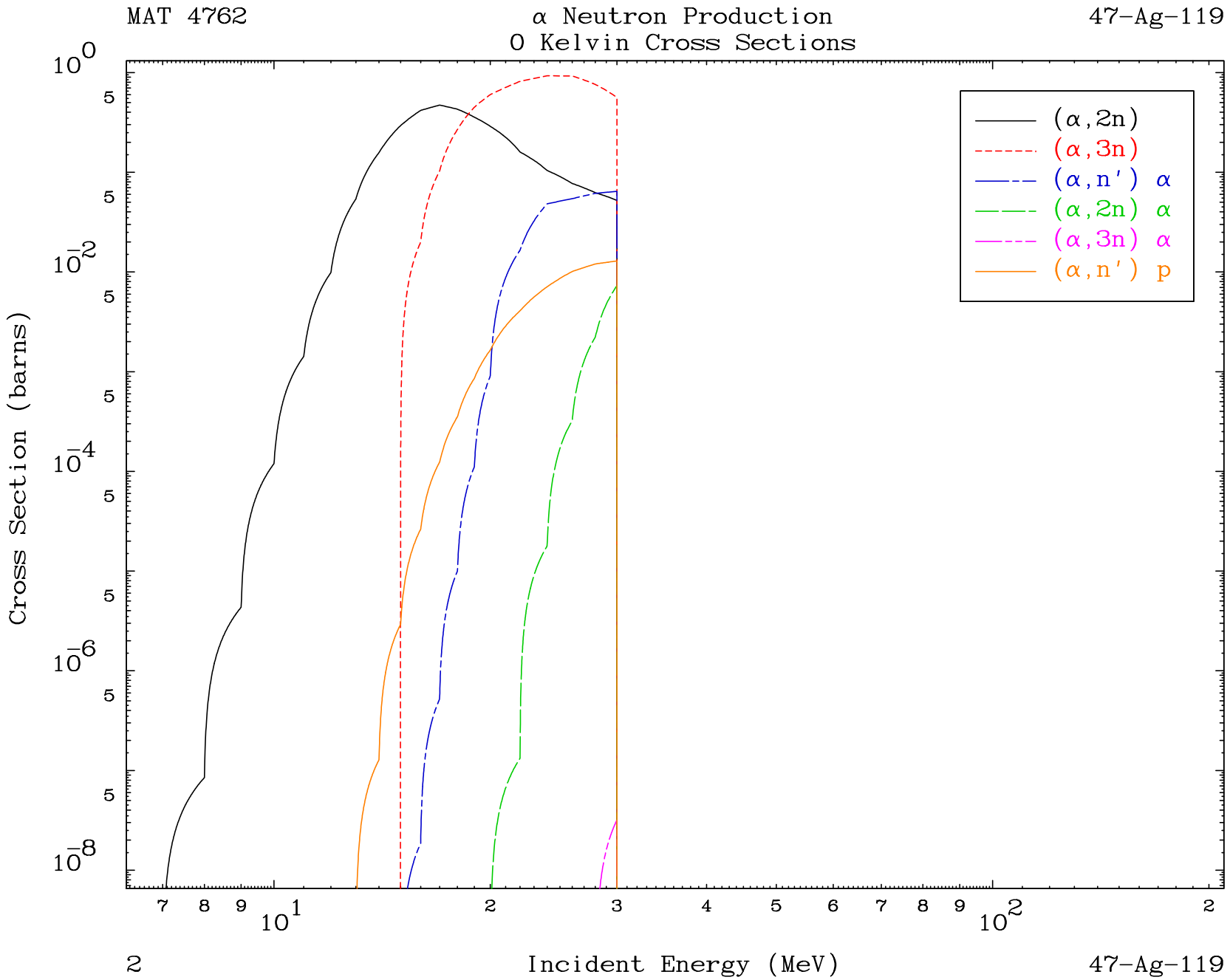
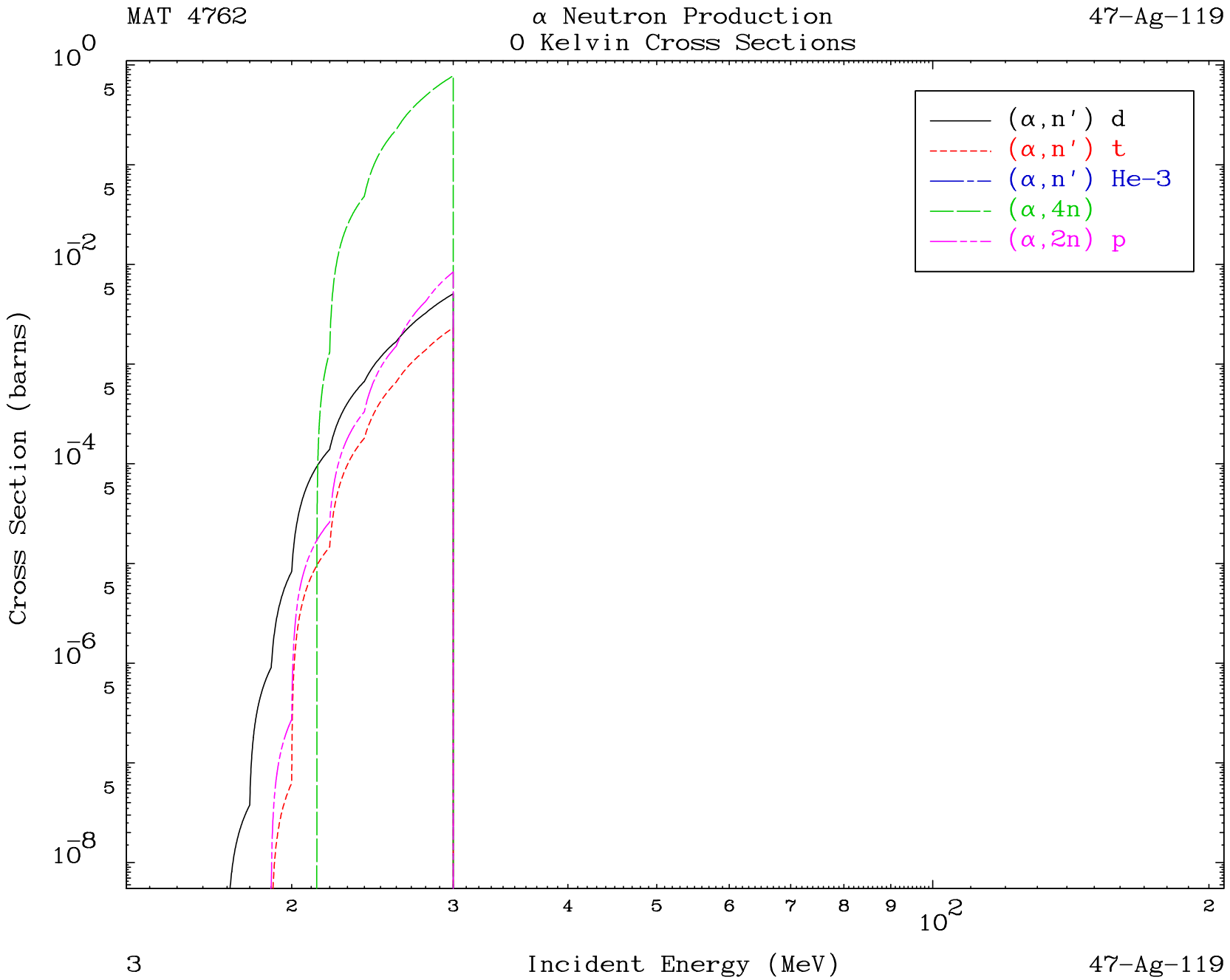
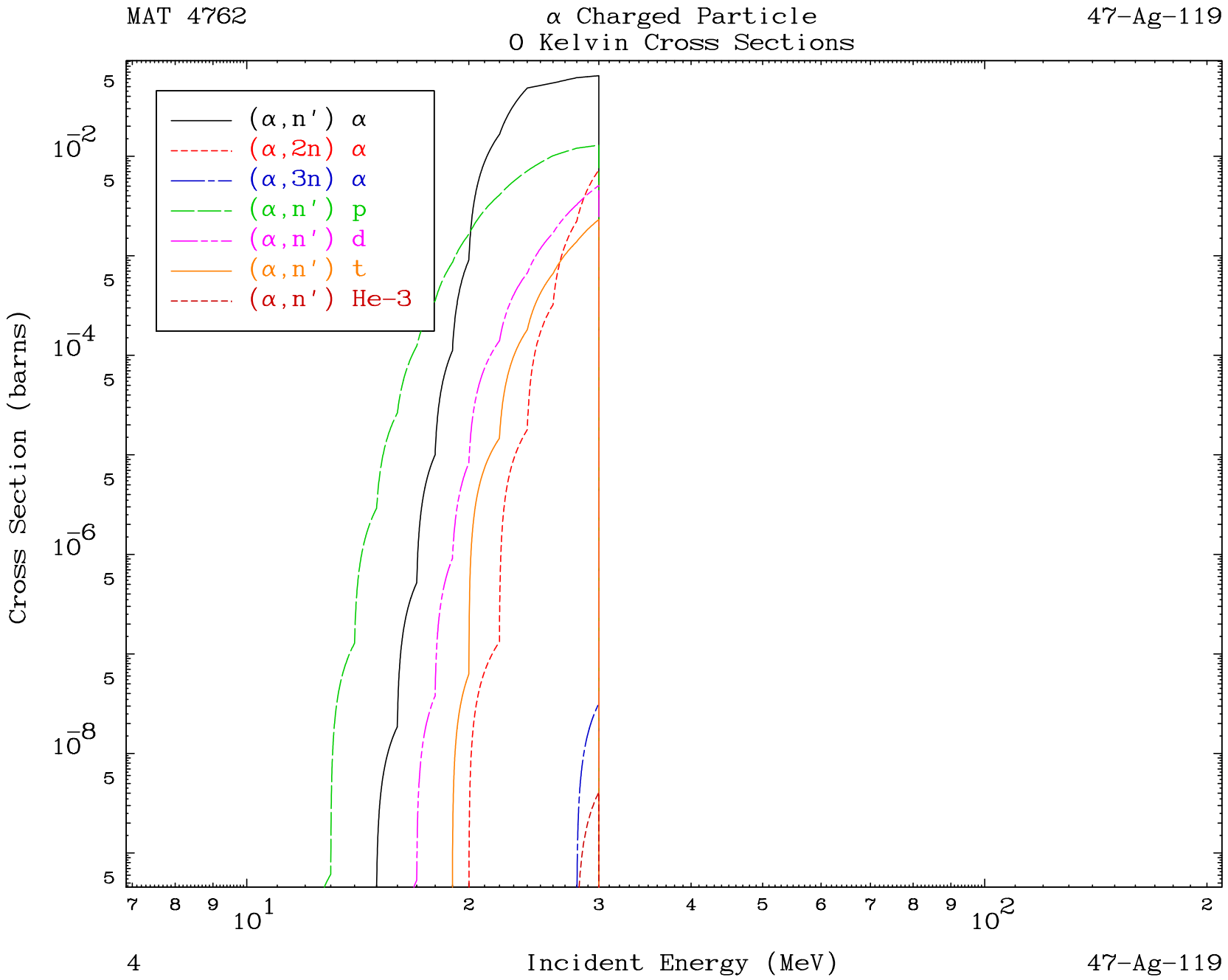
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

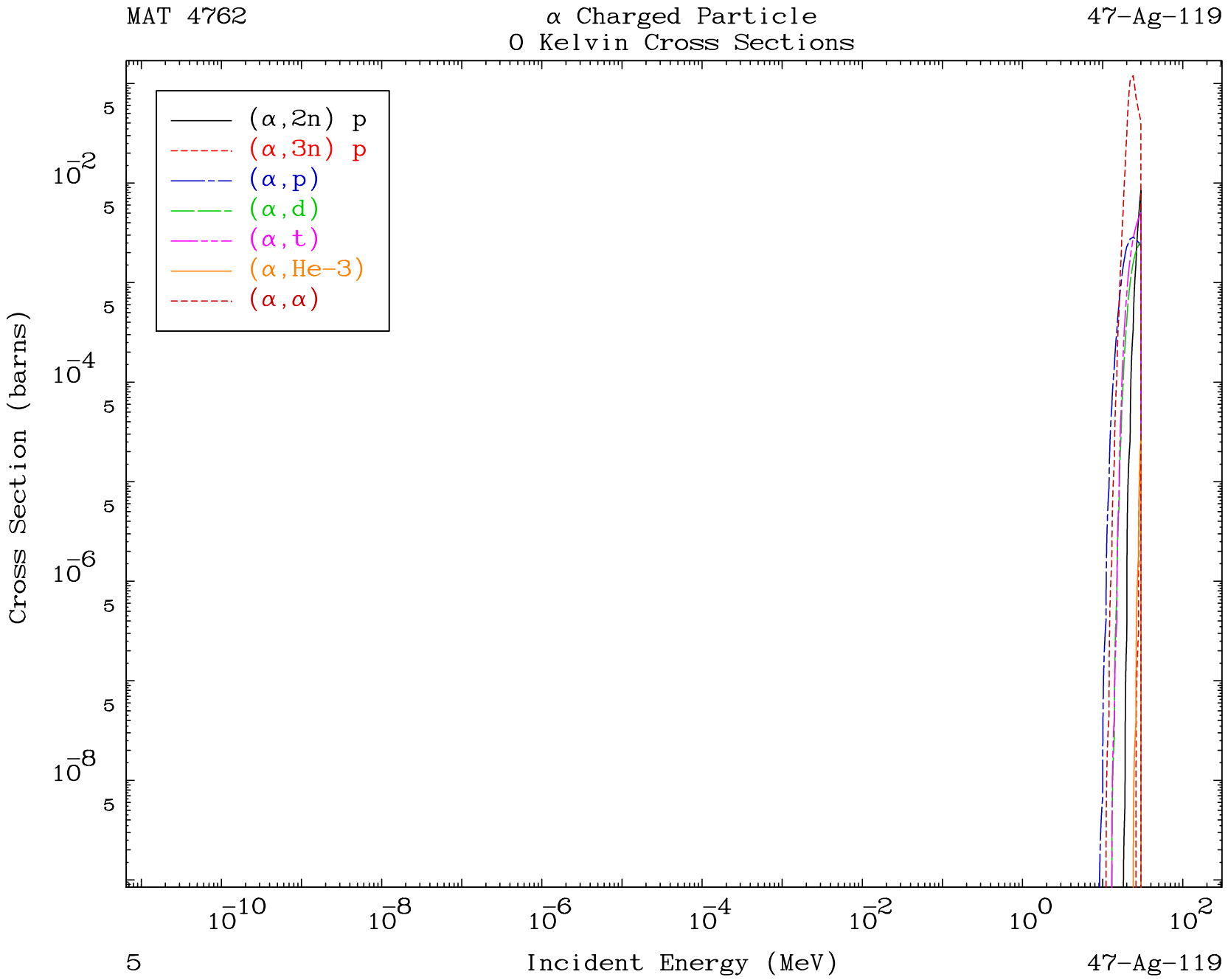
Press Mouse Button to Start

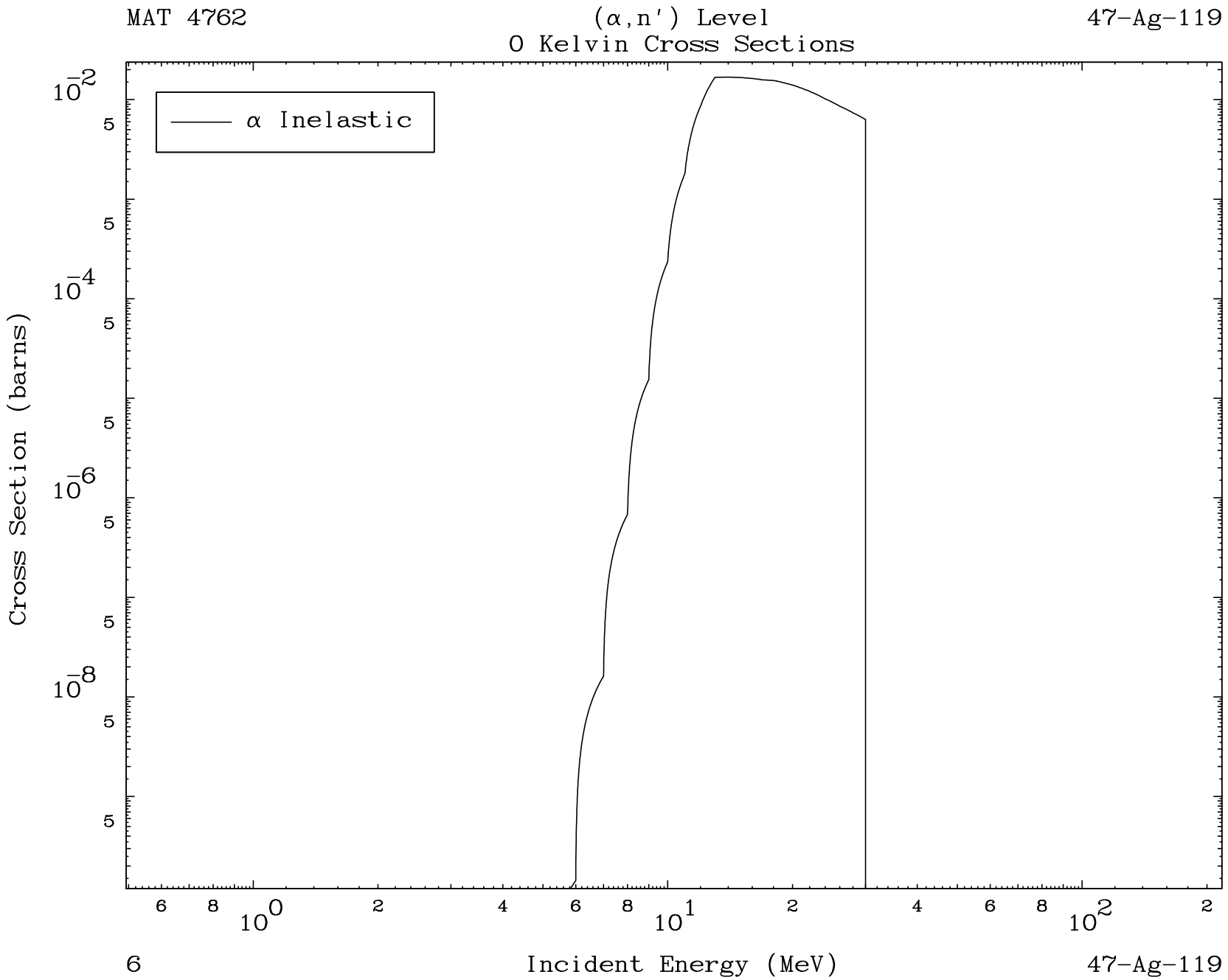

MAT 4762
α Major
47-Ag-119
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
47-Ag-119

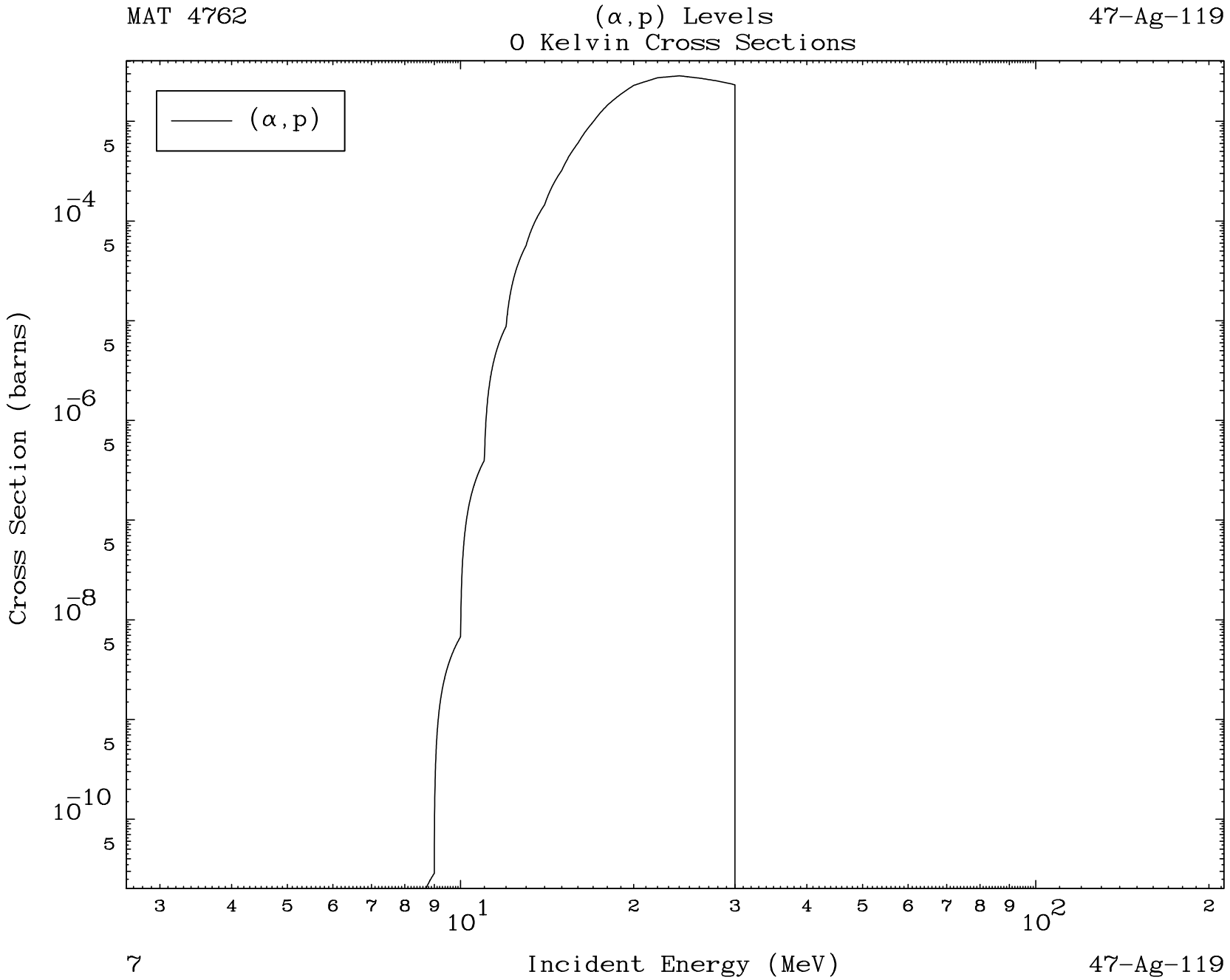

MAT 4762
α Neutron Production
0 Kelvin Cross Sections
47-Ag-119
Cross Section (barns)
Incident Energy (MeV)
47-Ag-119
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p

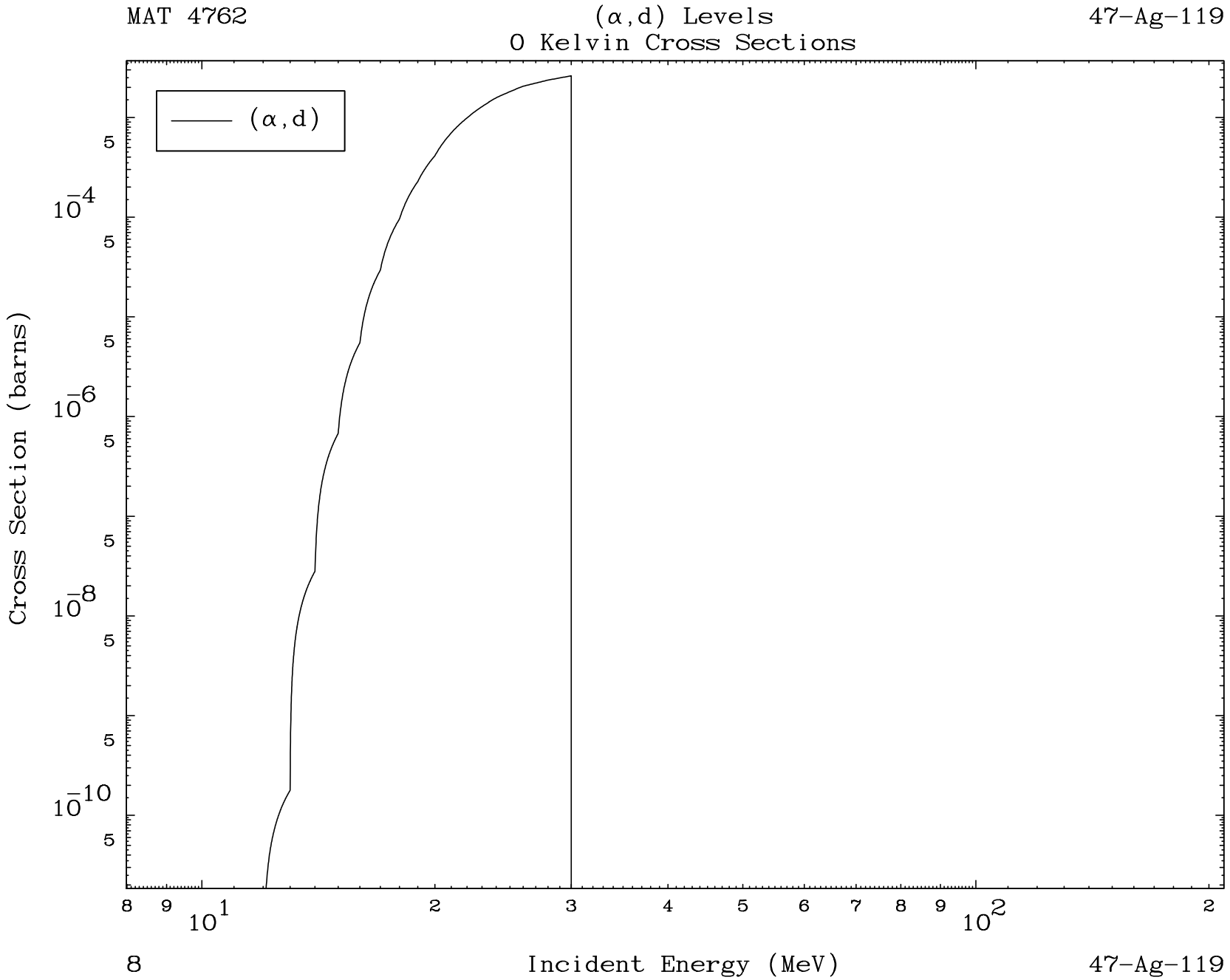

MAT 4762
α Neutron Production
0 Kelvin Cross Sections
47-Ag-119
Cross Section (barns)
Incident Energy (MeV)
(α,n') d
(α,n') t
(α,n') He-3
(α,4n)
(α,2n) p
3
47-Ag-119

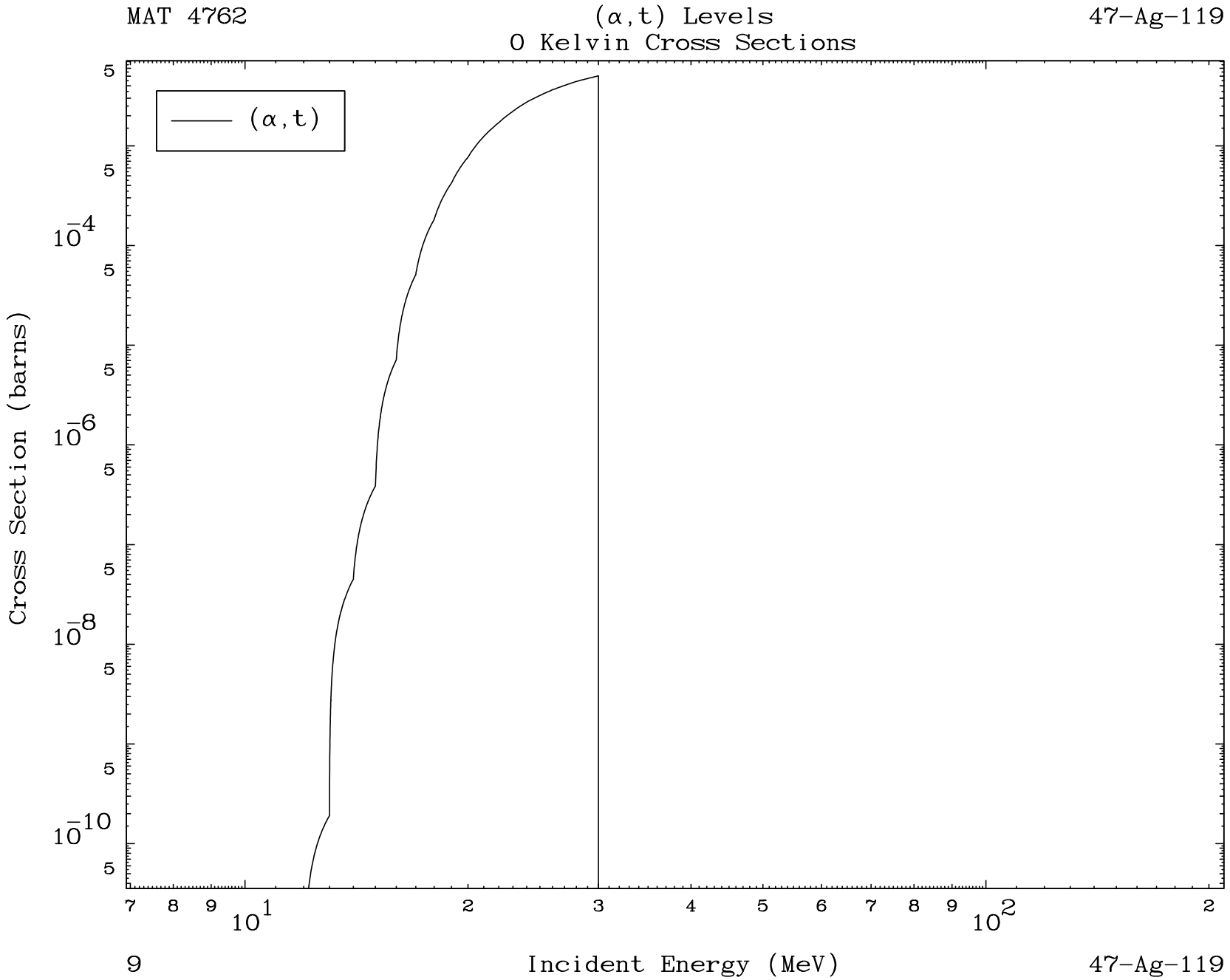

MAT 4762
α Charged Particle
0 Kelvin Cross Sections
47-Ag-119
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
Cross Section (barns)
Incident Energy (MeV)
47-Ag-119
4

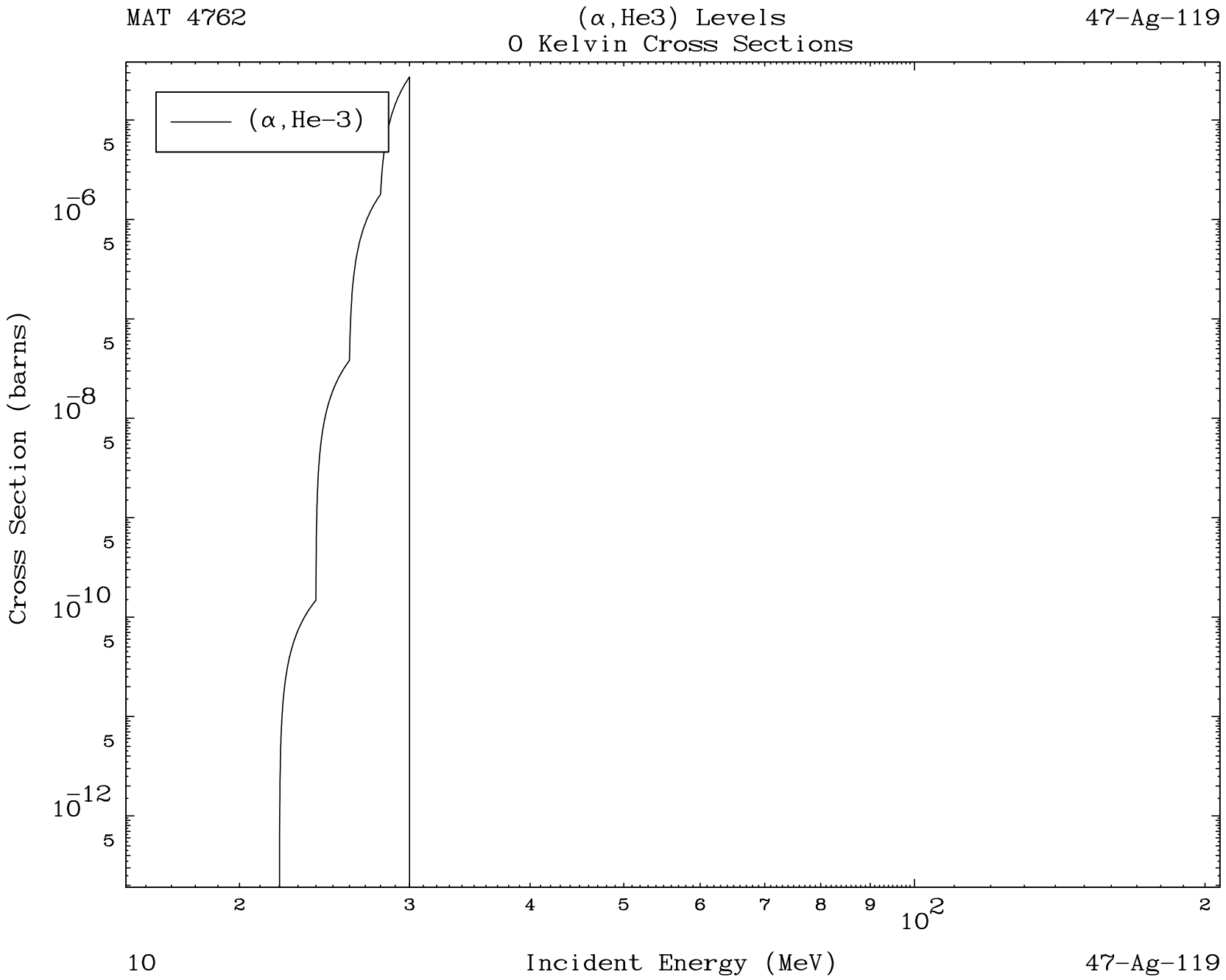

MAT 4762
α Charged Particle
0 Kelvin Cross Sections
47-Ag-119
(α,2n) p
(α,3n) p
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
Cross Section (barns)
Incident Energy (MeV)
47-Ag-119

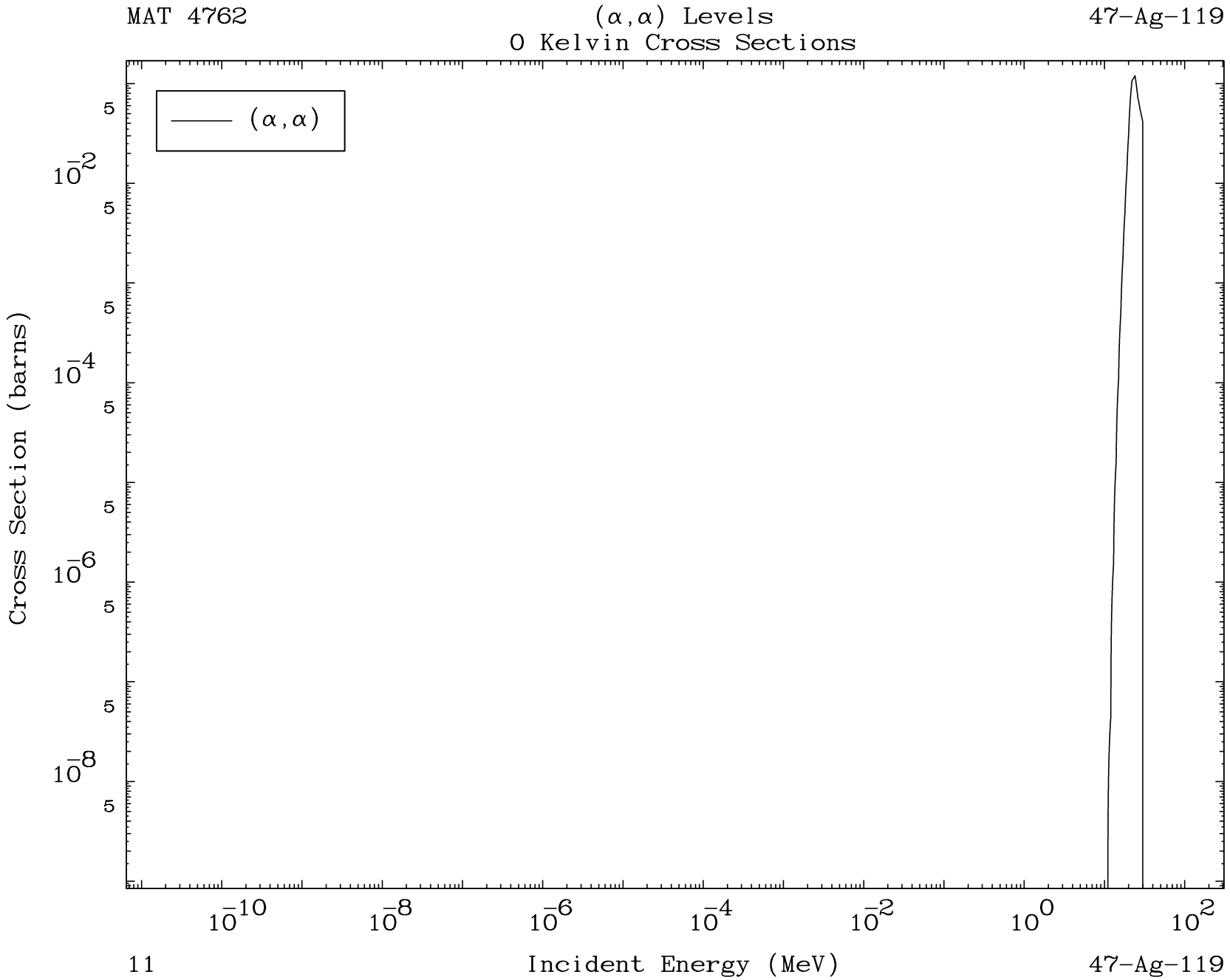

MAT 4762
(α,n') Level
47-Ag-119
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
47-Ag-119
6

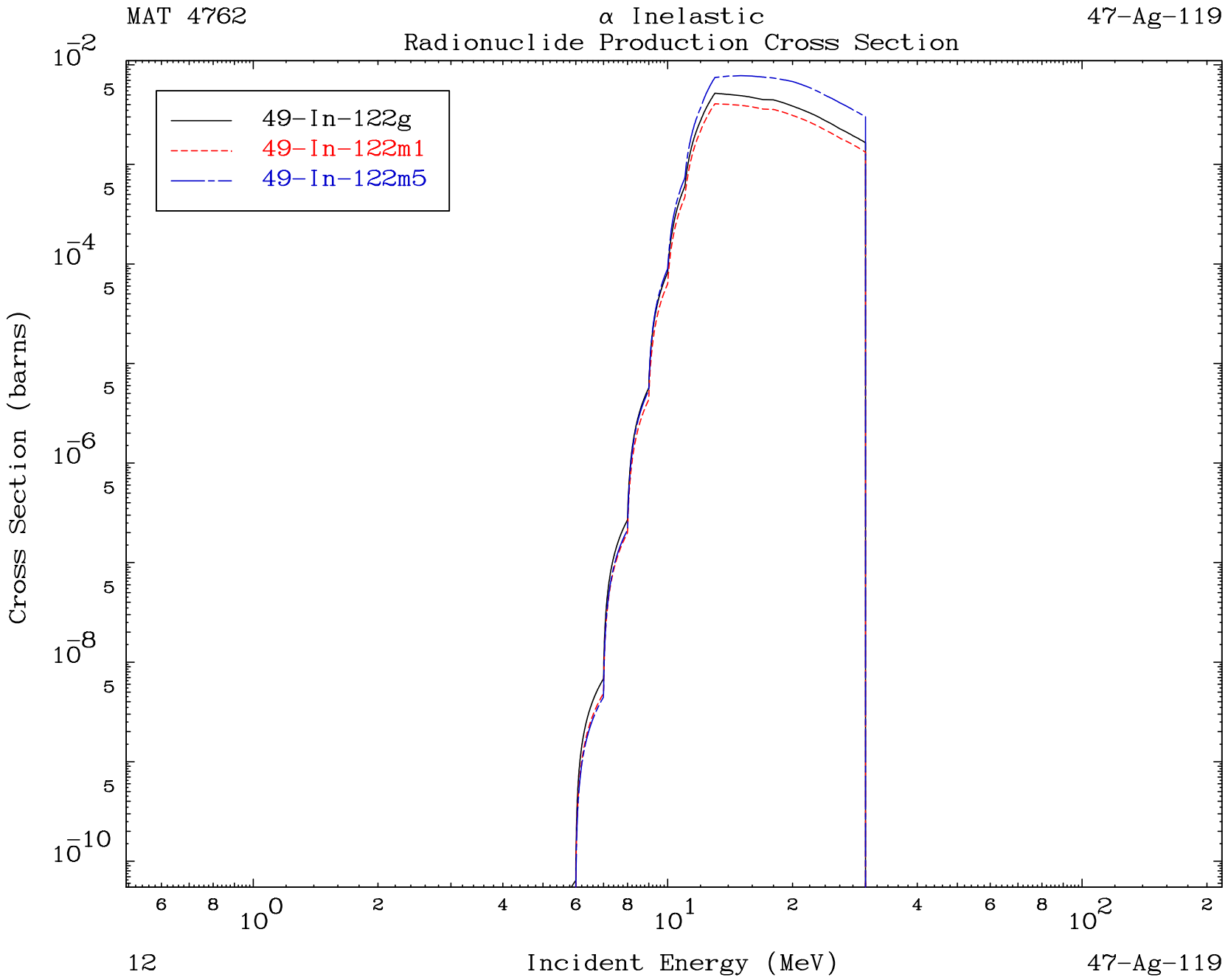

MAT 4762
(α,p) Levels
47-Ag-119
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
47-Ag-119
7

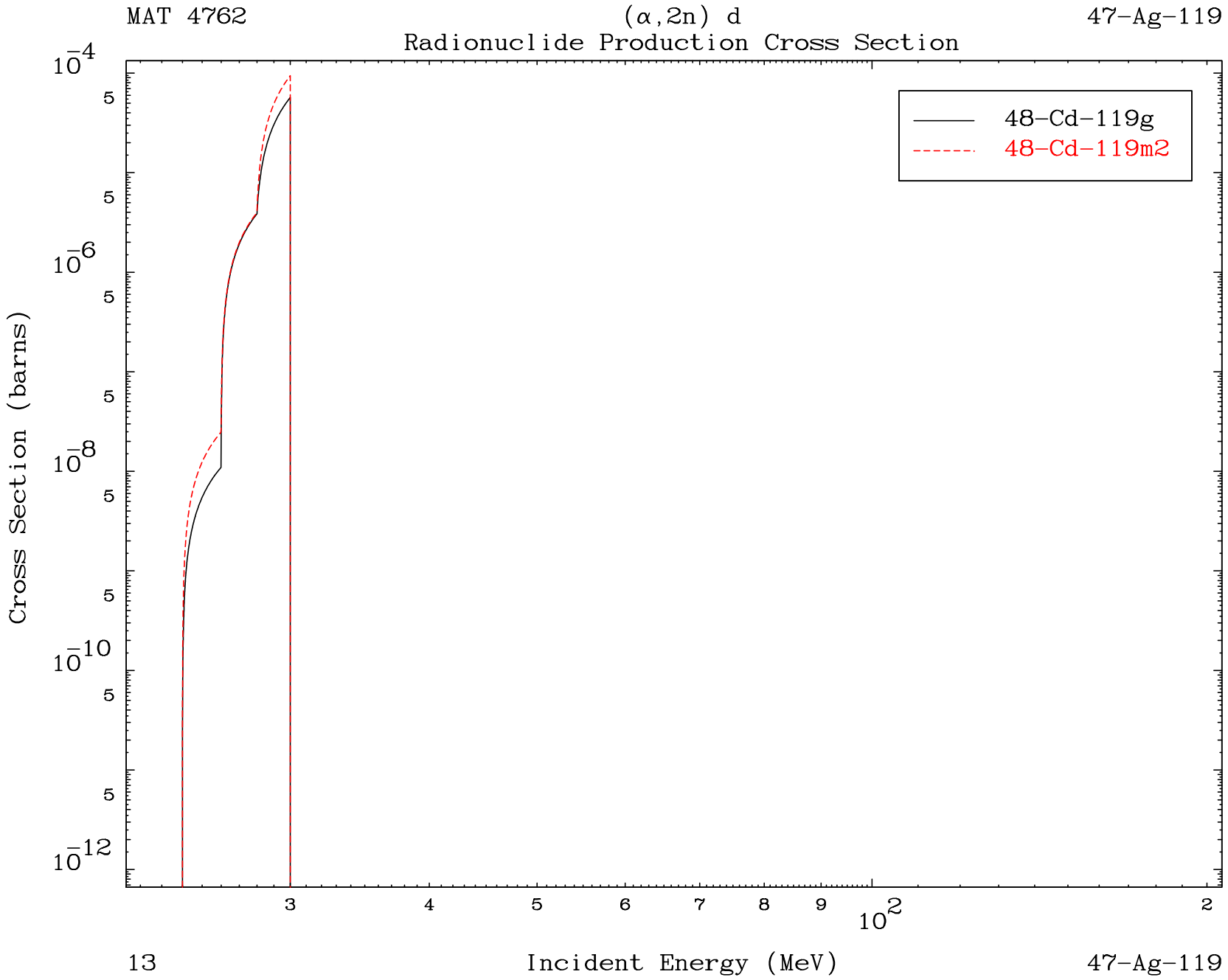

MAT 4762
(α,d) Levels
47-Ag-119
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
47-Ag-119

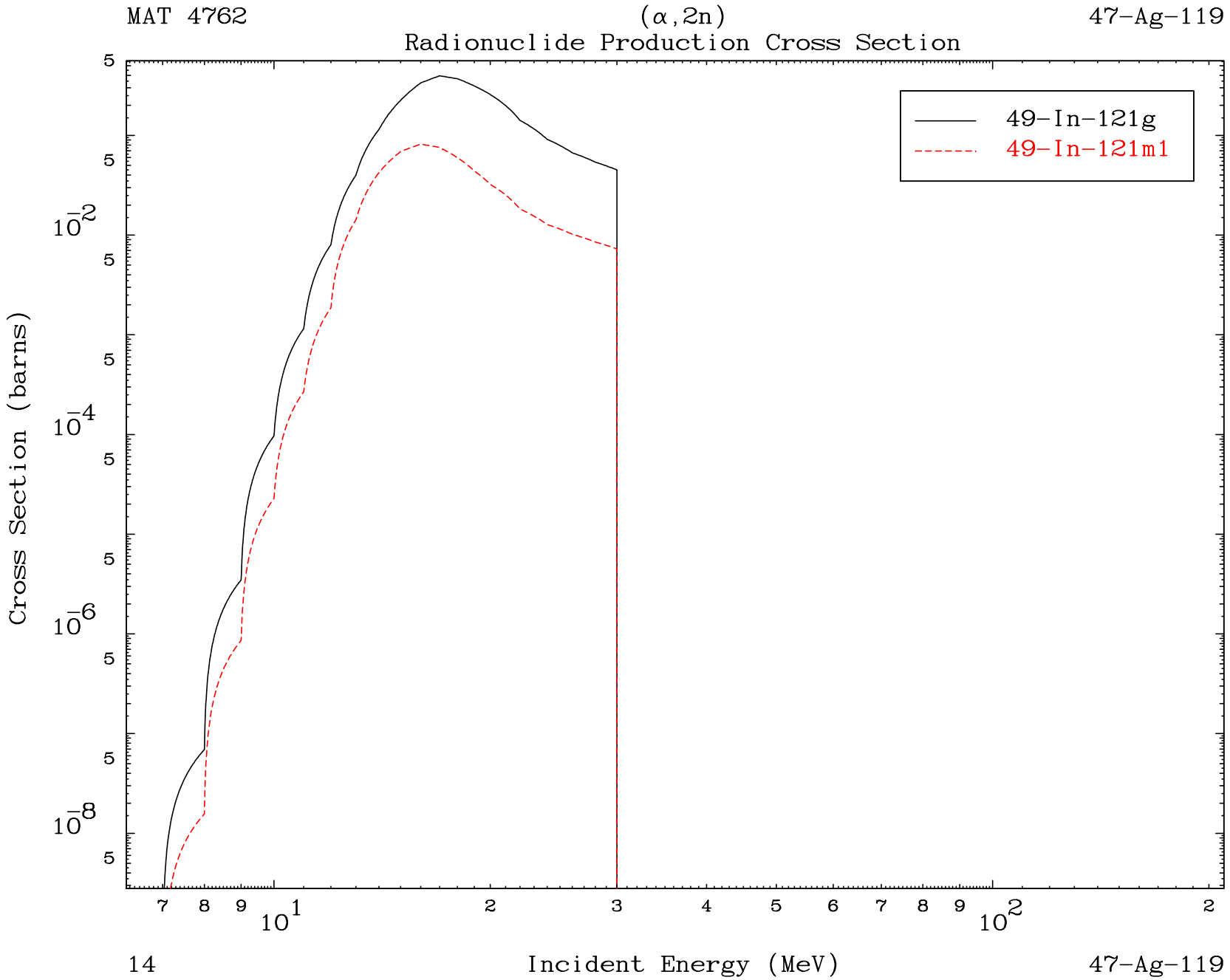

MAT 4762
(α,t) Levels
47-Ag-119
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
Incident Energy (MeV)
47-Ag-119
9

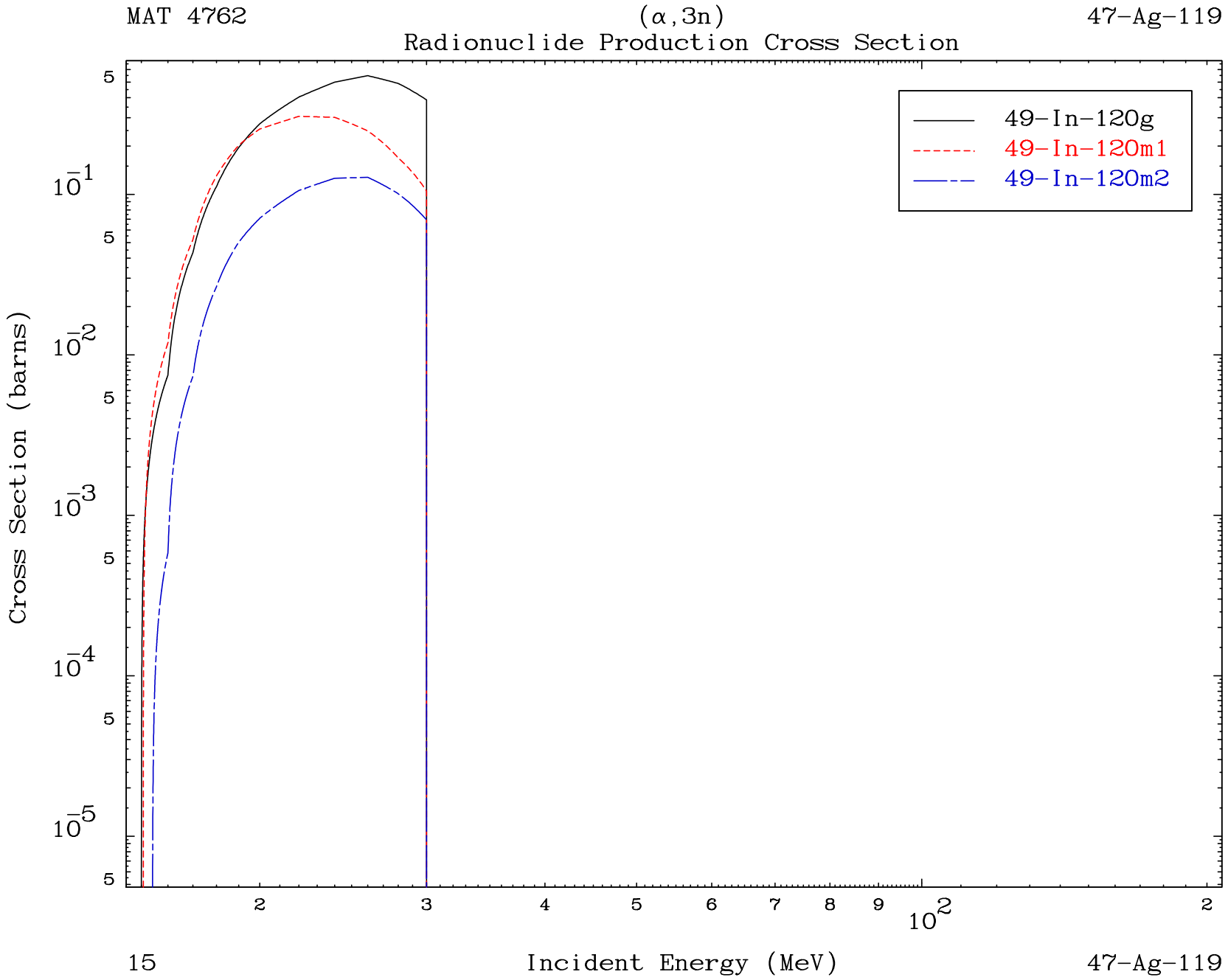

MAT 4762
(α,He3) Levels
47-Ag-119
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
47-Ag-119

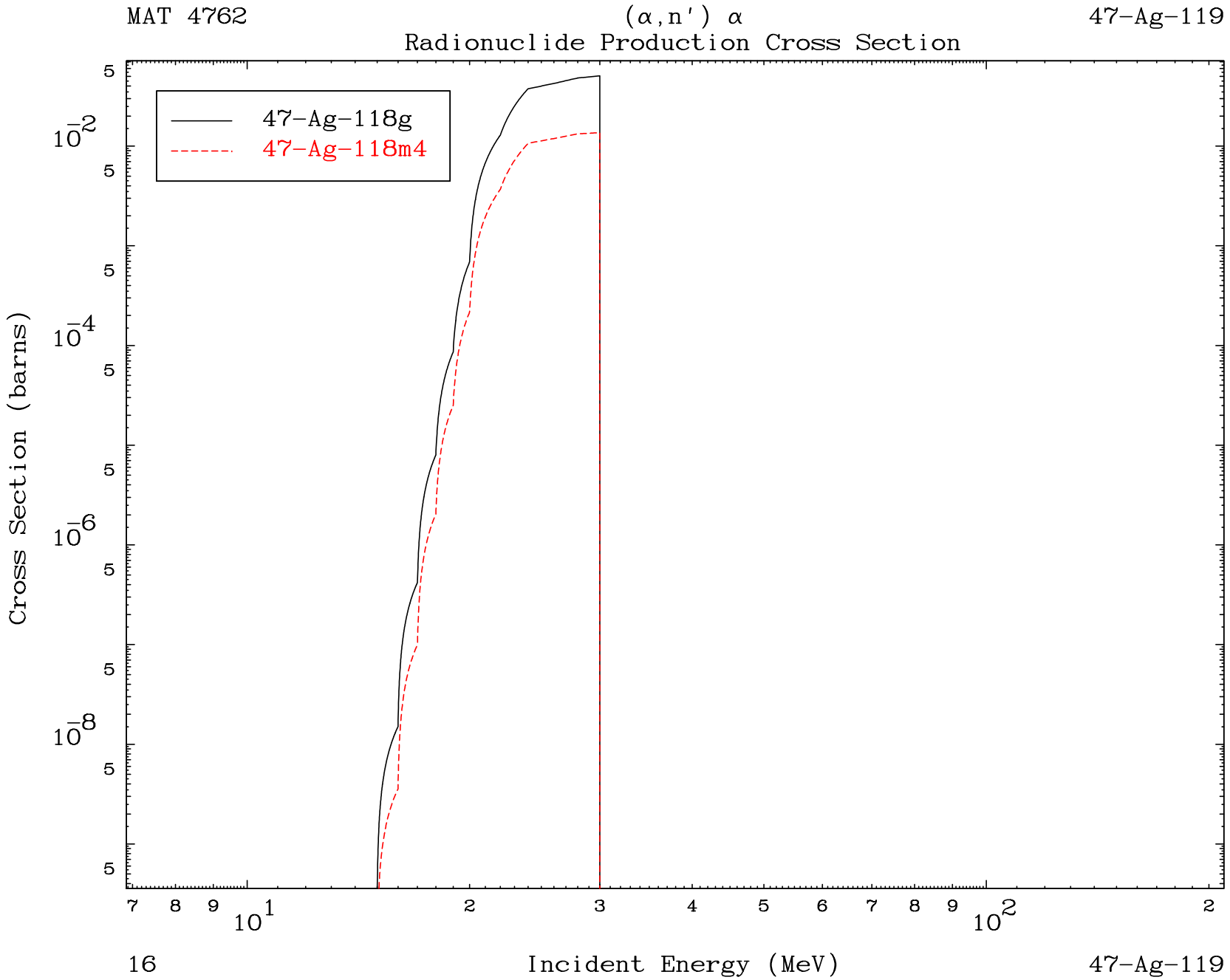

MAT 4762
(α,α) Levels
47-Ag-119
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
10-8
10-6
10-4
10-2
100
102
Incident Energy (MeV)
11
47-Ag-119

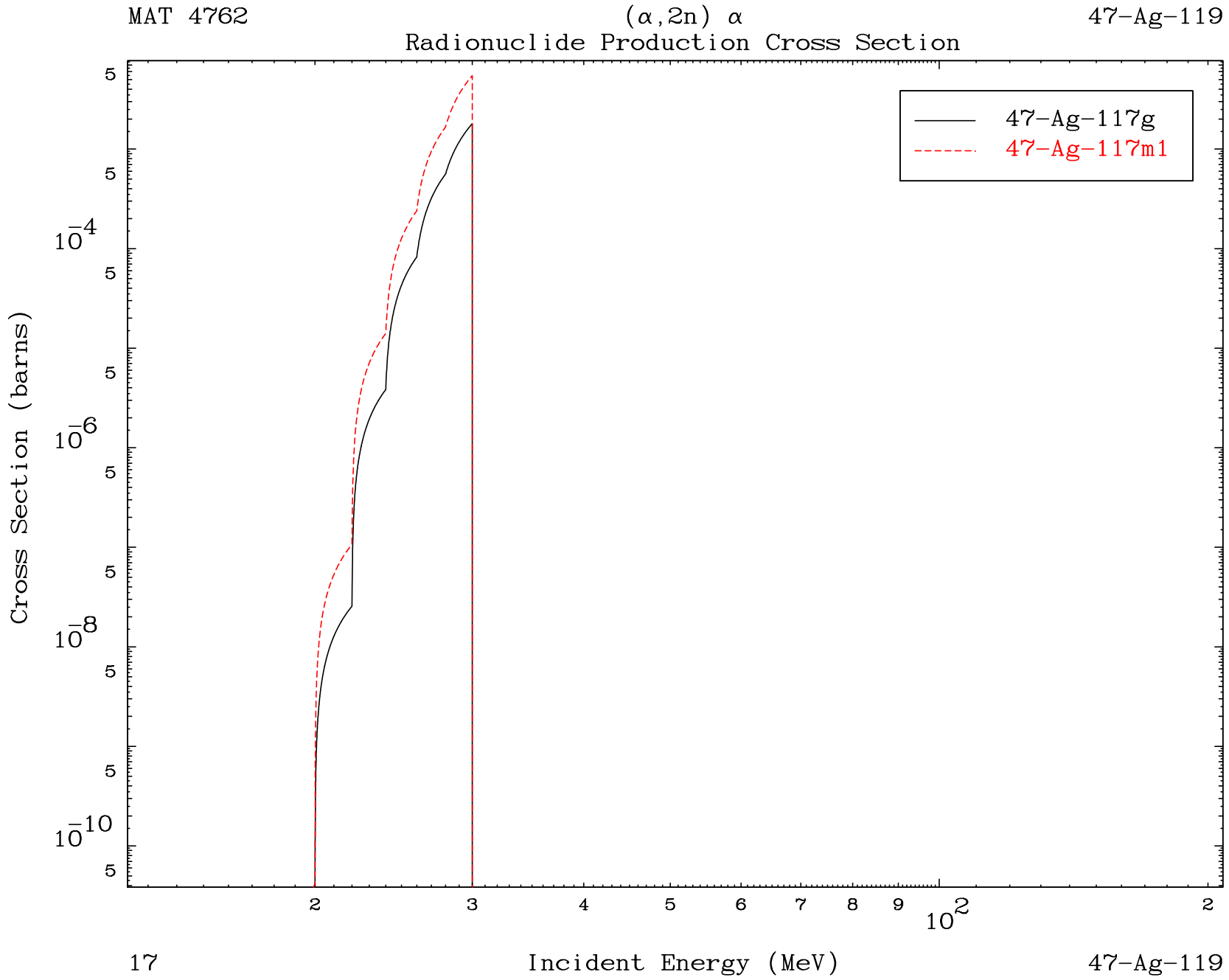

MAT 4762
α Inelastic
47-Ag-119
Radionuclide Production Cross Section
49-In-122g
49-In-122m1
49-In-122m5
Cross Section (barns)
Incident Energy (MeV)
12
47-Ag-119

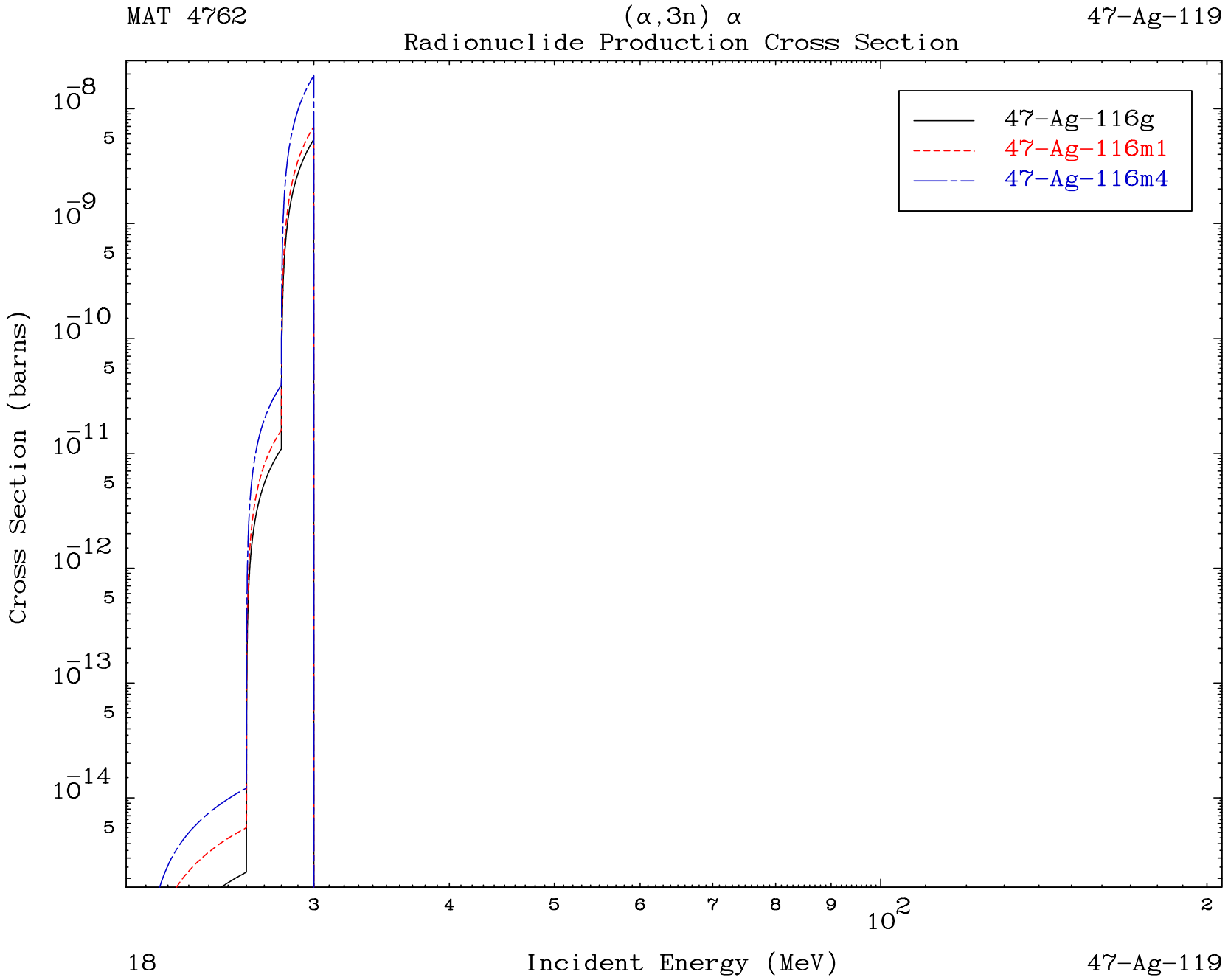

MAT 4762
(α,2n) d
47-Ag-119
Radionuclide Production Cross Section
48-Cd-119g
48-Cd-119m2
Cross Section (barns)
10-4
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
47-Ag-119

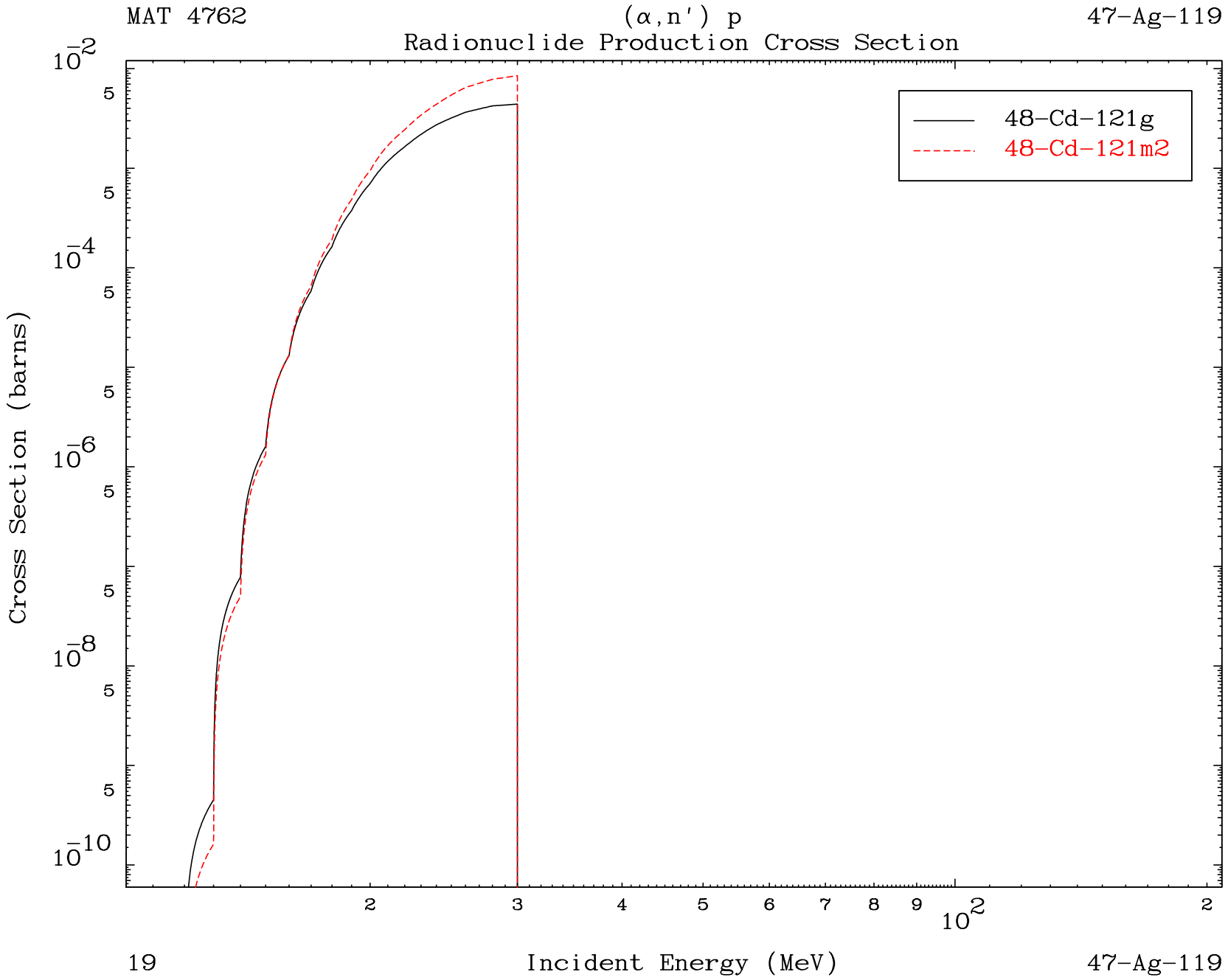

MAT 4762
(α,2n)
47-Ag-119
Radionuclide Production Cross Section
49-In-121g
49-In-121m1
Cross Section (barns)
Incident Energy (MeV)
14
47-Ag-119

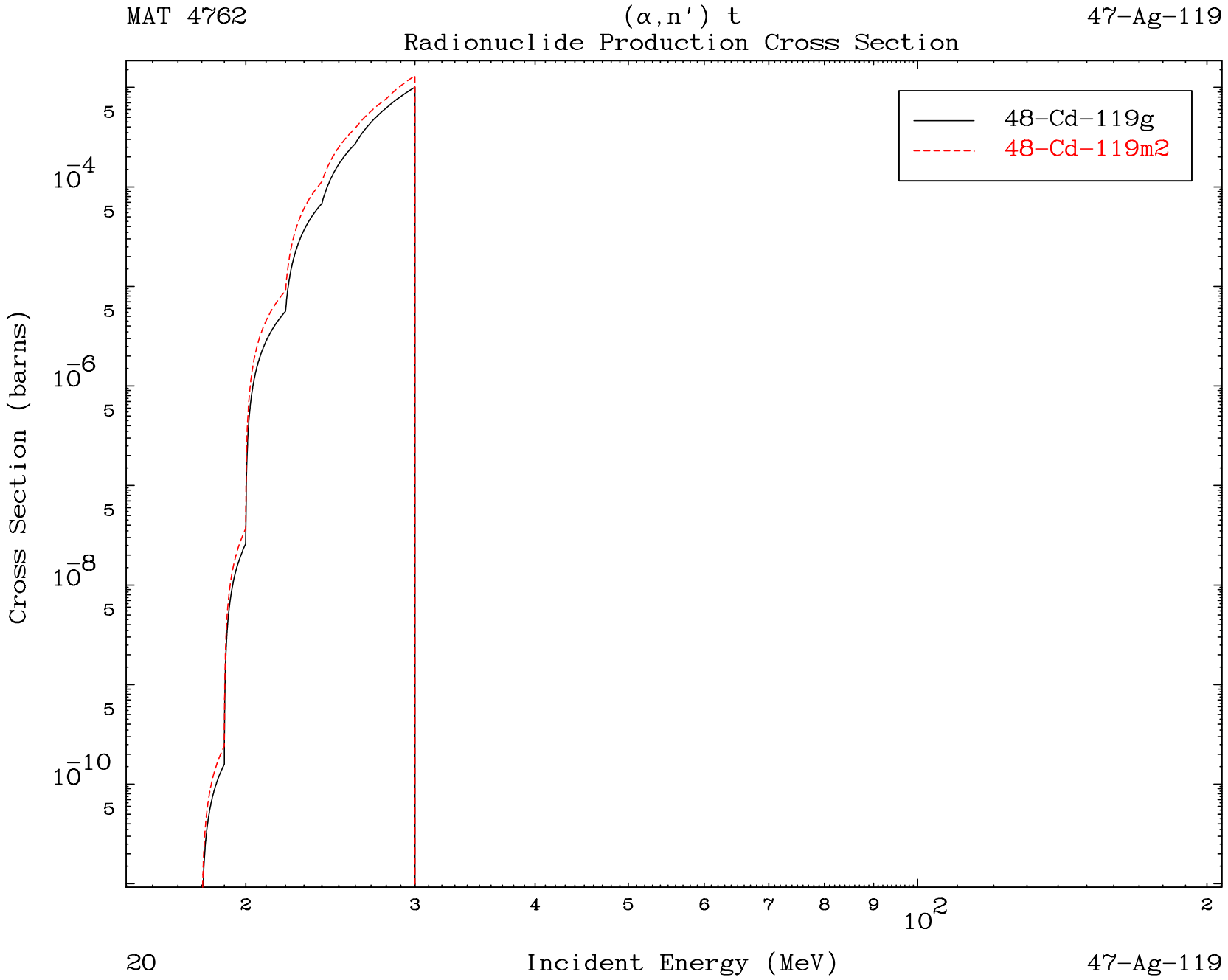

MAT 4762
(α,3n)
47-Ag-119
Radionuclide Production Cross Section
49-In-120g
49-In-120m1
49-In-120m2
Cross Section (barns)
Incident Energy (MeV)
15
47-Ag-119

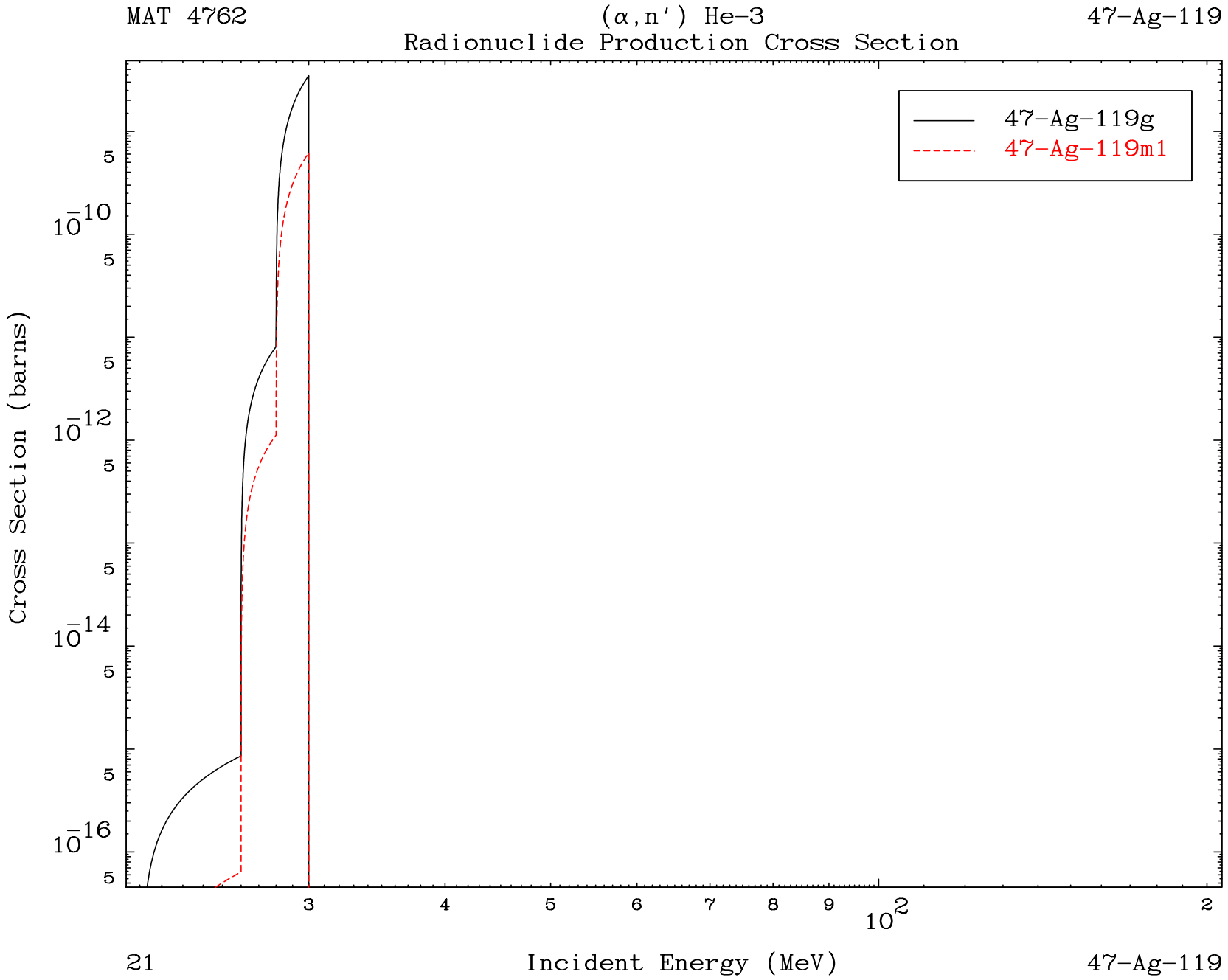

MAT 4762
(α,n') α
47-Ag-119
Radionuclide Production Cross Section
47-Ag-118g
47-Ag-118m4
Cross Section (barns)
Incident Energy (MeV)
16
47-Ag-119

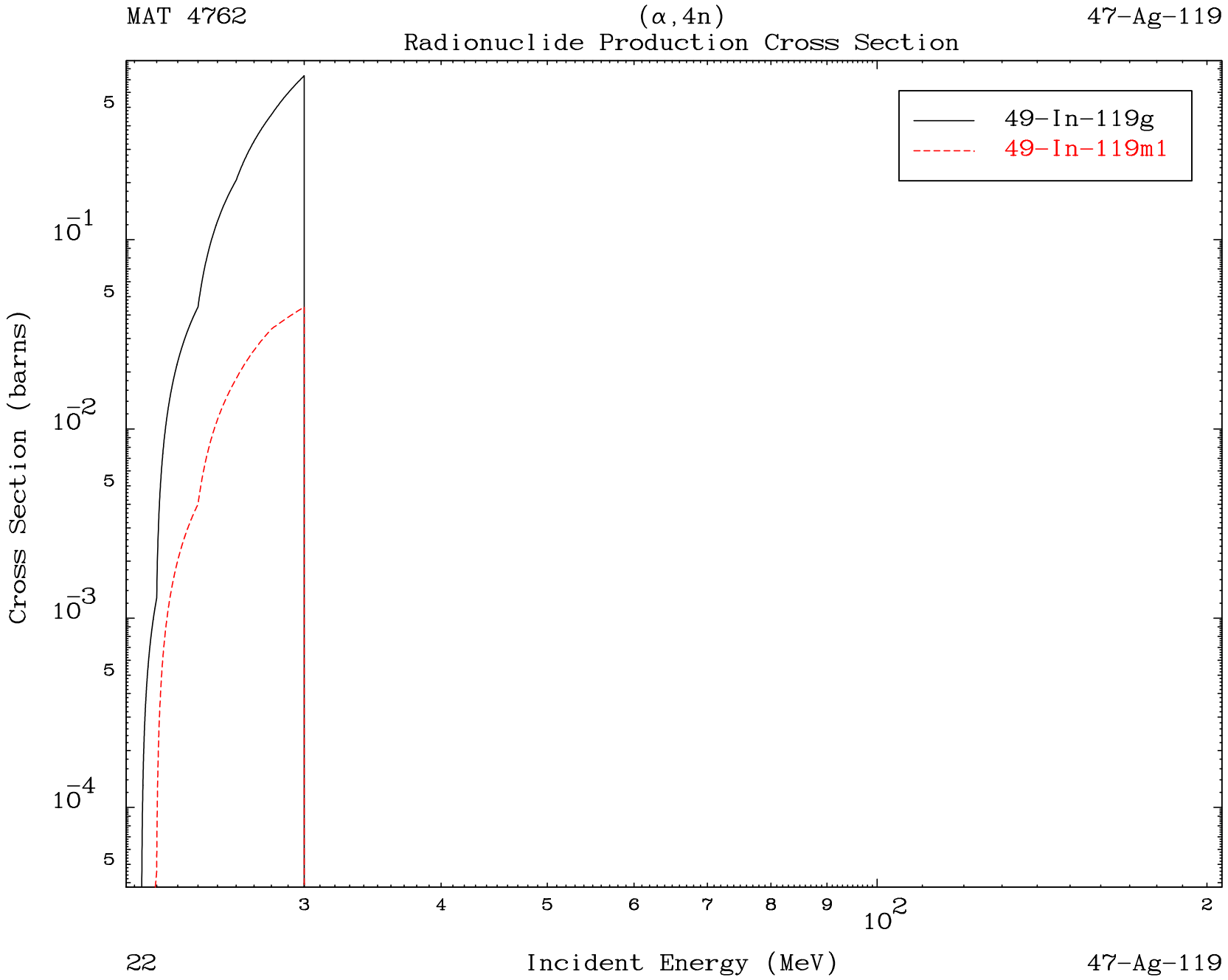

MAT 4762
(α,2n) α
47-Ag-119
Radionuclide Production Cross Section
47-Ag-117g
47-Ag-117m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
47-Ag-119

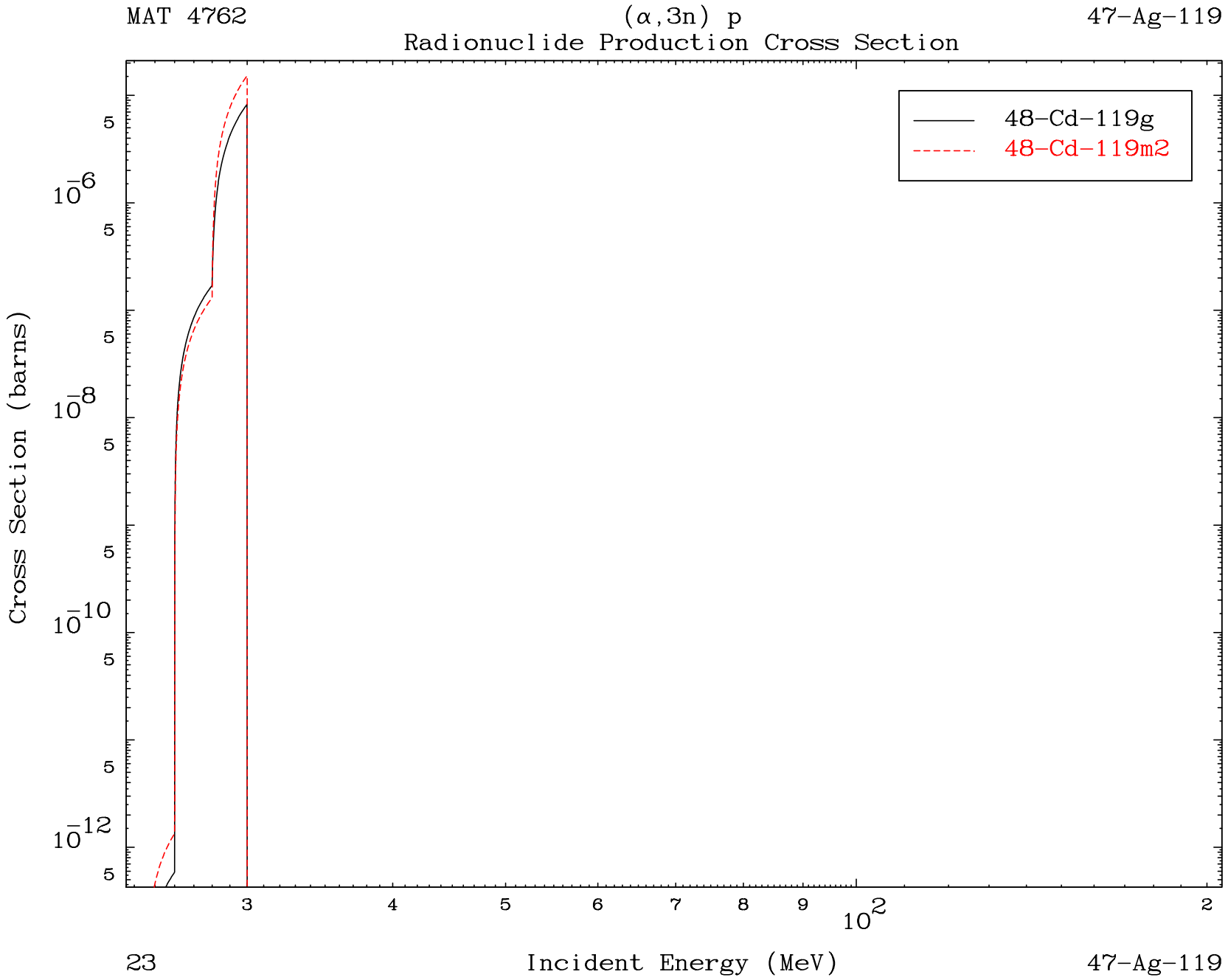

MAT 4762
(α,3n) α
47-Ag-119
Radionuclide Production Cross Section
47-Ag-116g
47-Ag-116m1
47-Ag-116m4
Cross Section (barns)
10-8
10-9
10-10
10-11
10-12
10-13
10-14
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
47-Ag-119

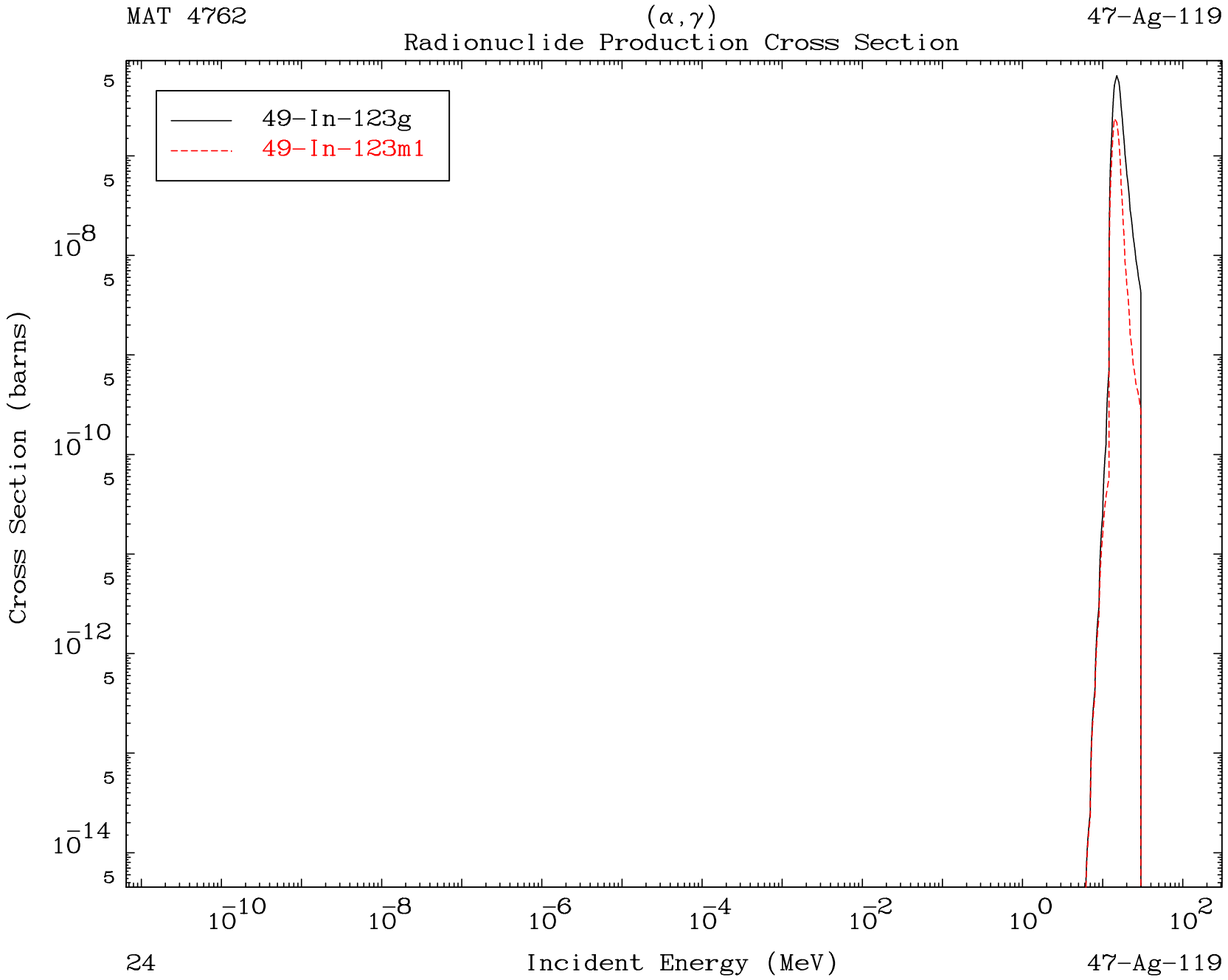

MAT 4762
(α,n') p
47-Ag-119
Radionuclide Production Cross Section
48-Cd-121g
48-Cd-121m2
Cross Section (barns)
Incident Energy (MeV)
19
47-Ag-119

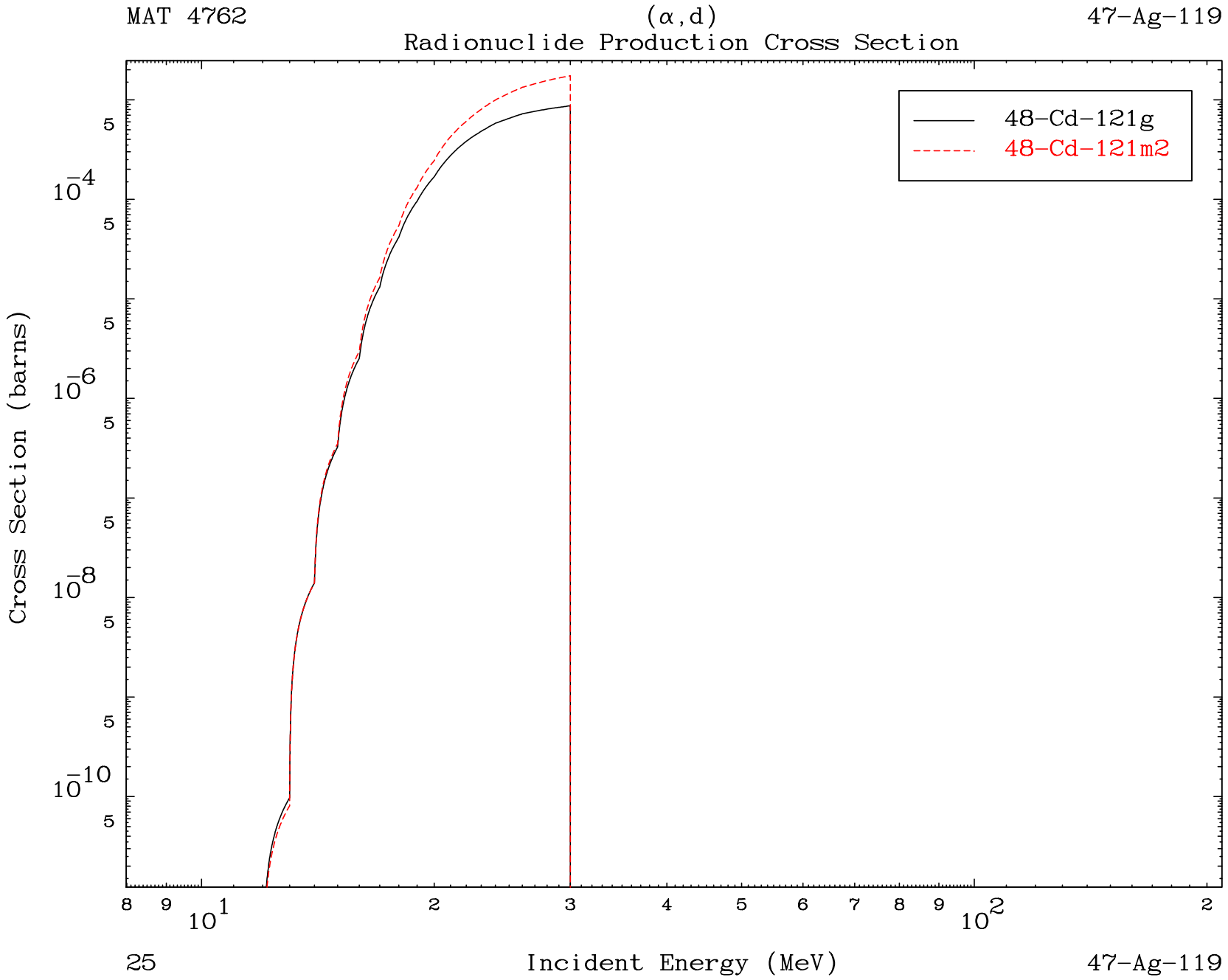

MAT 4762
(α,n') t
47-Ag-119
Radionuclide Production Cross Section
48-Cd-119g
48-Cd-119m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
6
7
8
9
10^2
20
Incident Energy (MeV)
47-Ag-119

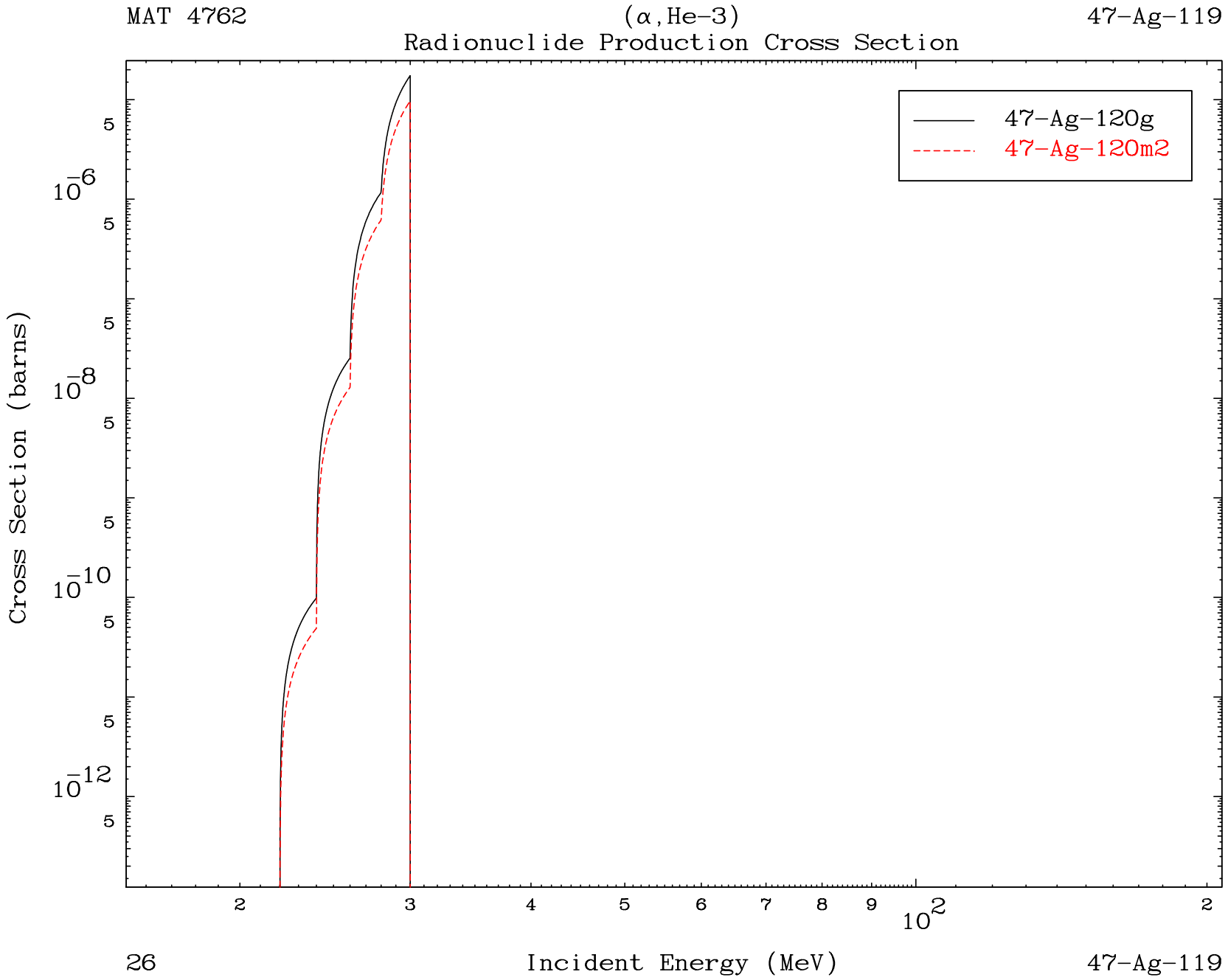

MAT 4762
(α,n') He-3
47-Ag-119
Radionuclide Production Cross Section
47-Ag-119g
47-Ag-119m1
Cross Section (barns)
10-10
10-12
10-14
10-16
5
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
47-Ag-119

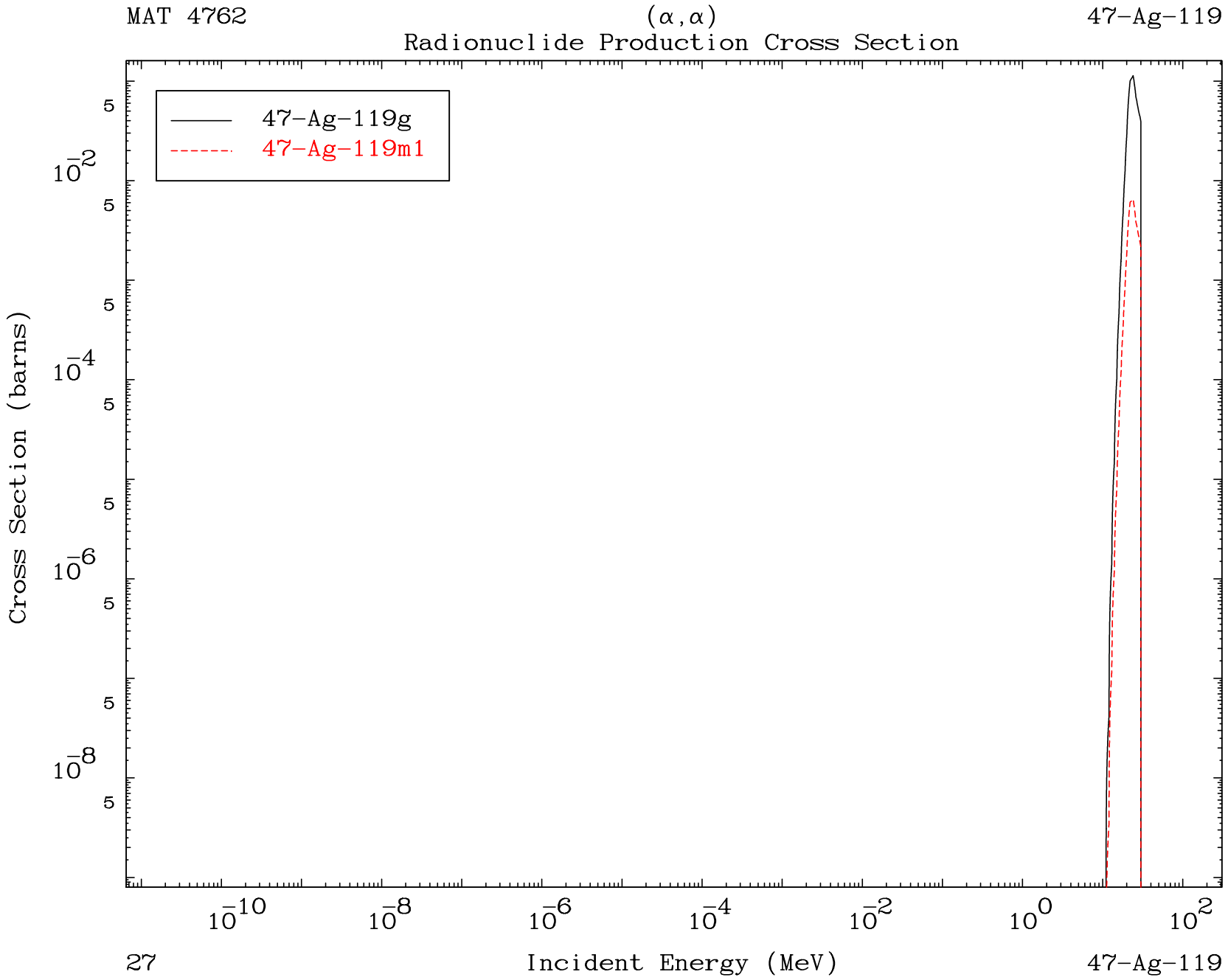

MAT 4762
(α,4n)
47-Ag-119
Radionuclide Production Cross Section
49-In-119g
49-In-119m1
Cross Section (barns)
10-1
10-2
10-3
10-4
5
3
4
5
6
7
8
9
10 2
2
22
Incident Energy (MeV)
47-Ag-119


MAT 4762
(α,3n) p
47-Ag-119
Radionuclide Production Cross Section
48-Cd-119g
48-Cd-119m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
6
7
8
9
10^2
2
23
Incident Energy (MeV)
47-Ag-119


MAT 4762
(α,γ)
47-Ag-119
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
Incident Energy (MeV)
24
47-Ag-119


MAT 4762
(α,d)
47-Ag-119
Radionuclide Production Cross Section
48-Cd-121g
48-Cd-121m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
25
47-Ag-119


MAT 4762
(α,He-3)
47-Ag-119
Radionuclide Production Cross Section
47-Ag-120g
47-Ag-120m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
26
Incident Energy (MeV)
47-Ag-119


MAT 4762
(α,α)
47-Ag-119
Radionuclide Production Cross Section
47-Ag-119g
47-Ag-119m1
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)
27
47-Ag-119