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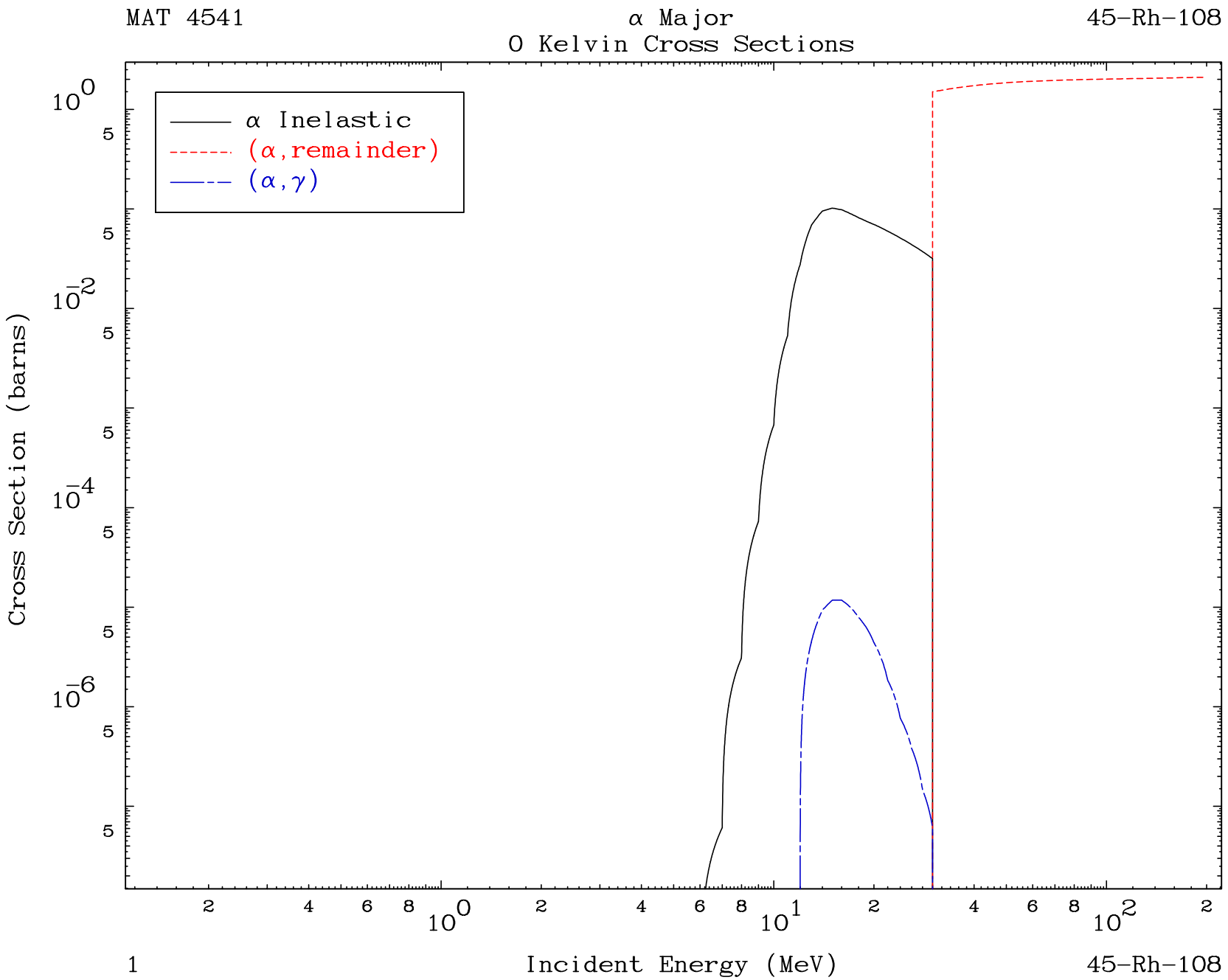
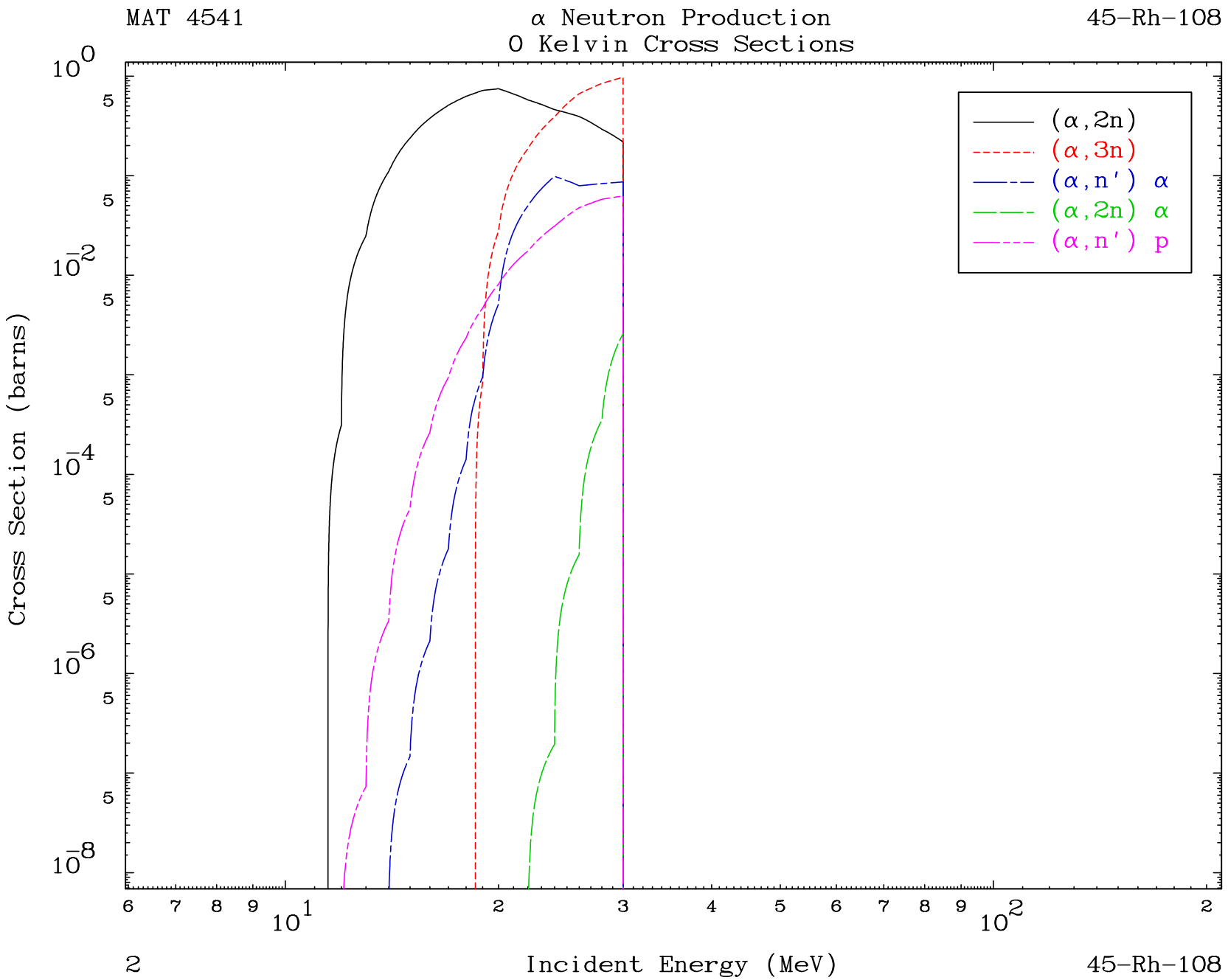
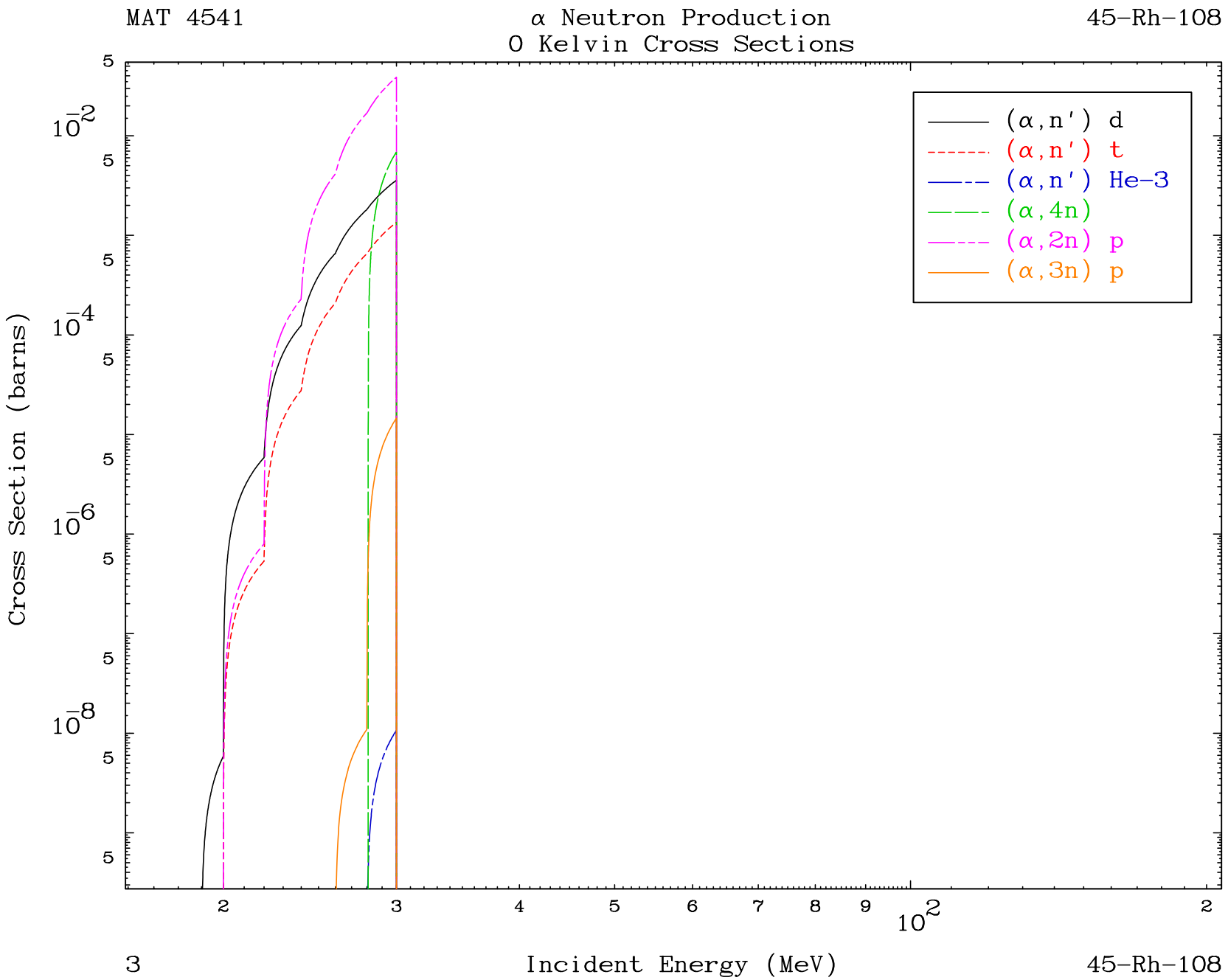
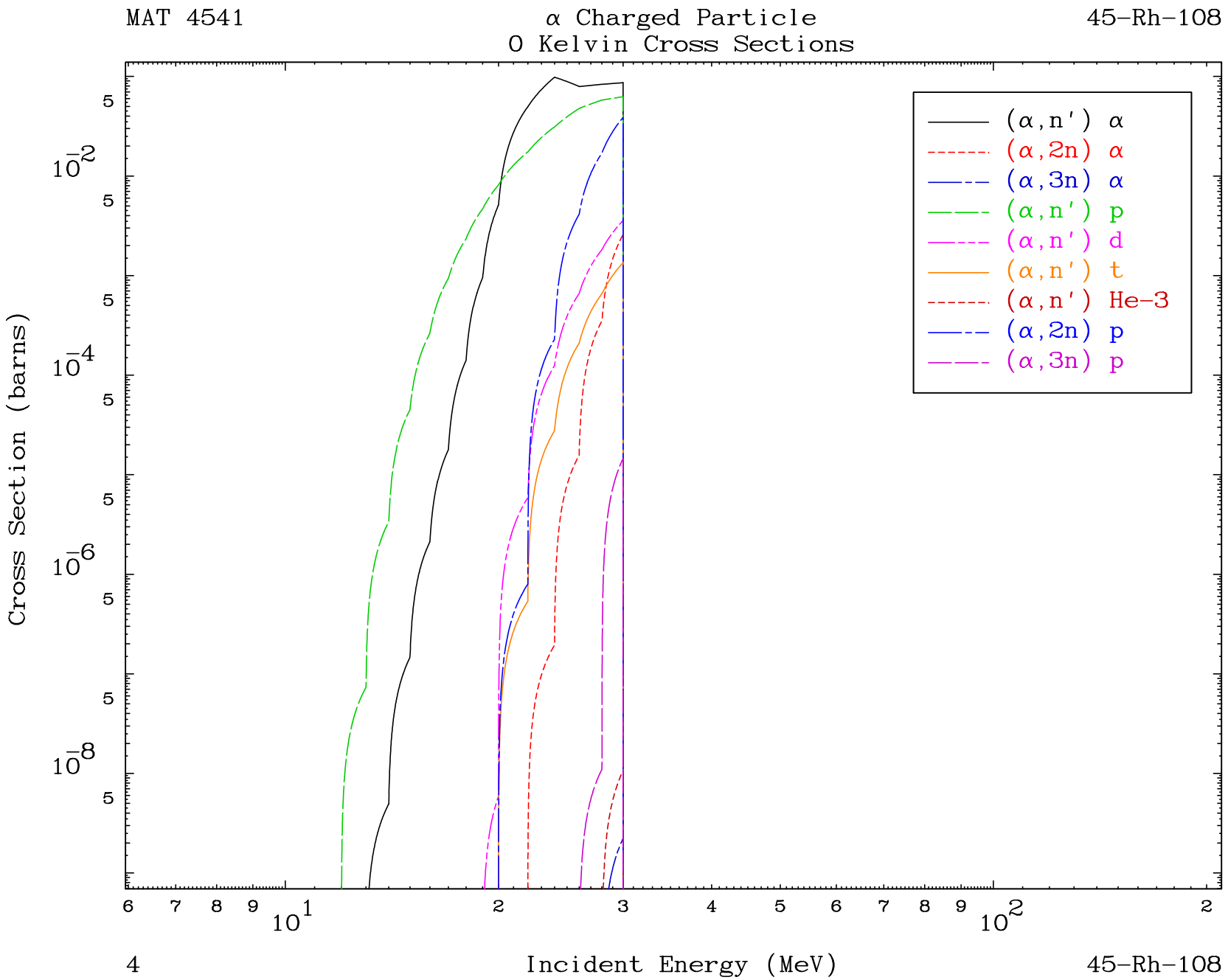
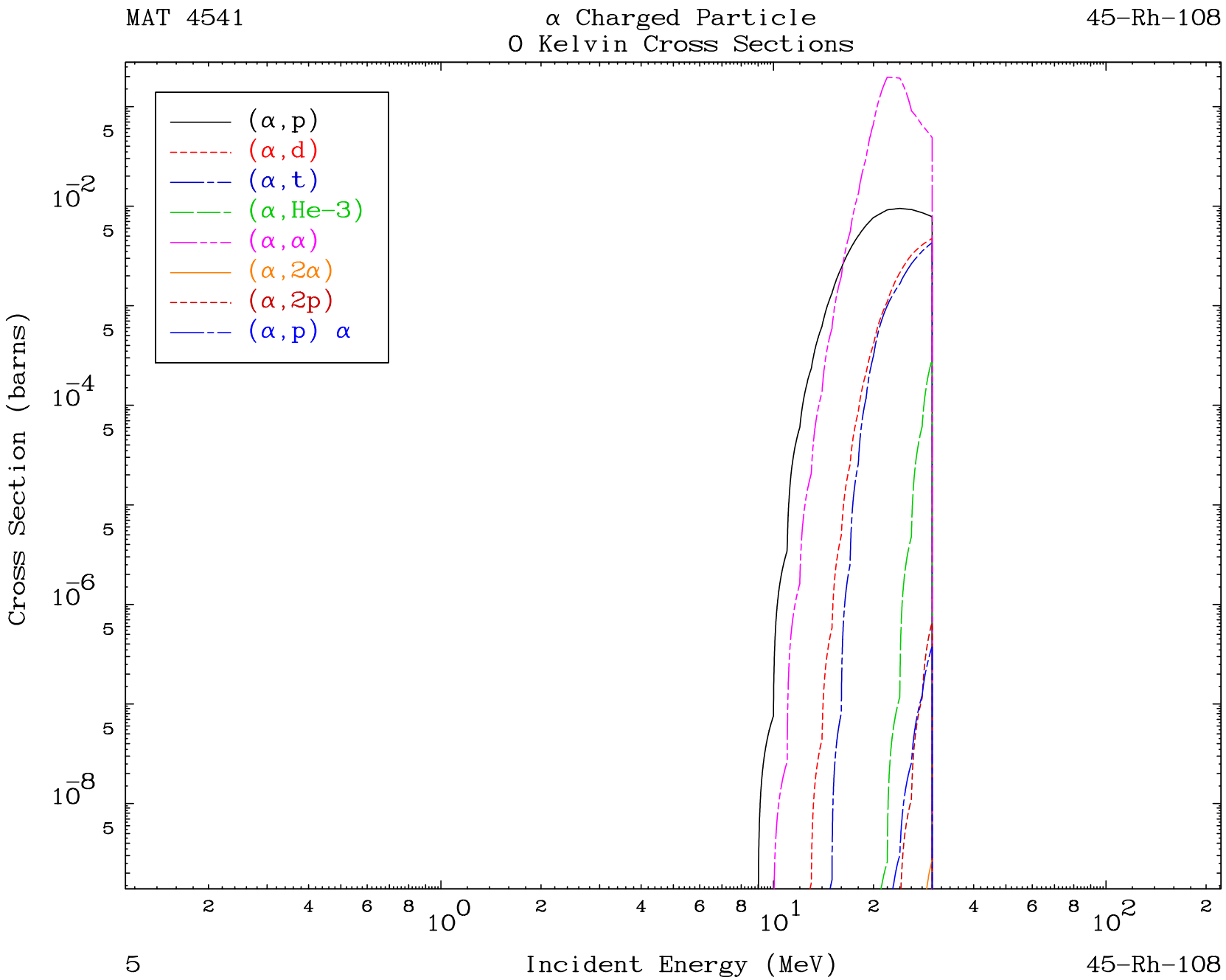
Press Mouse Button to Start

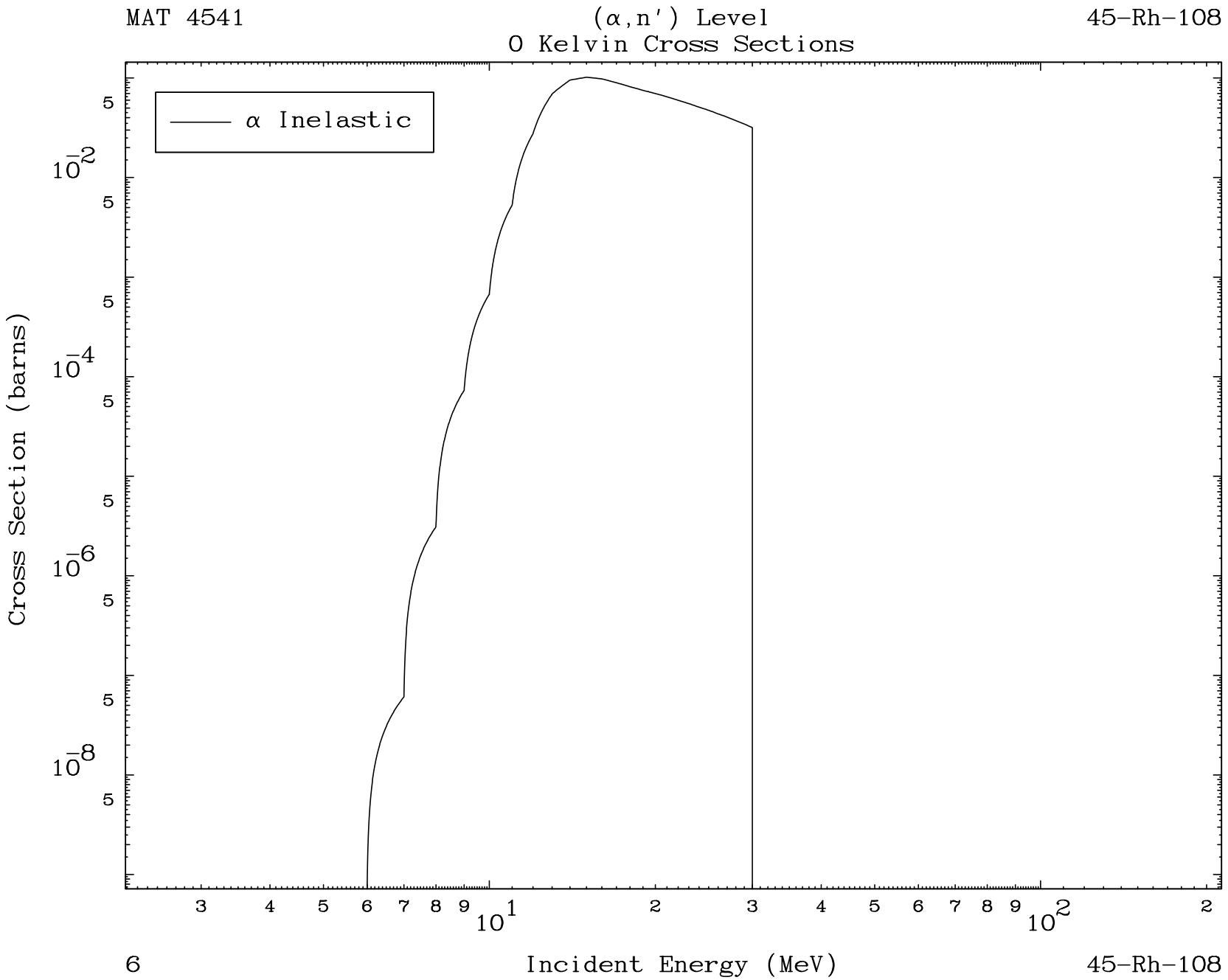

MAT 4541
α Major
45-Rh-108
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
45-Rh-108
1

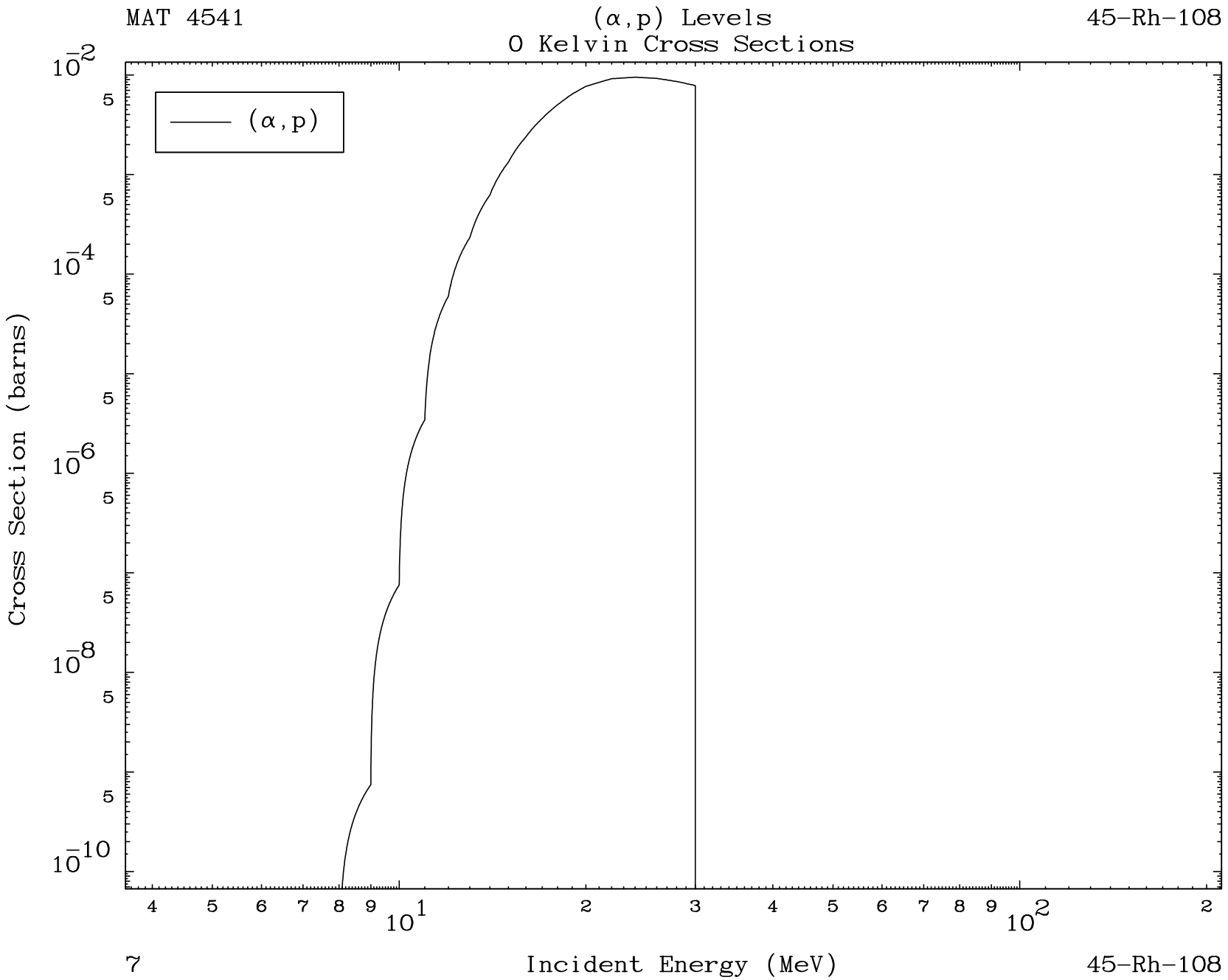

MAT 4541
α Neutron Production
0 Kelvin Cross Sections
45-Rh-108
Cross Section (barns)
Incident Energy (MeV)
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
45-Rh-108
2

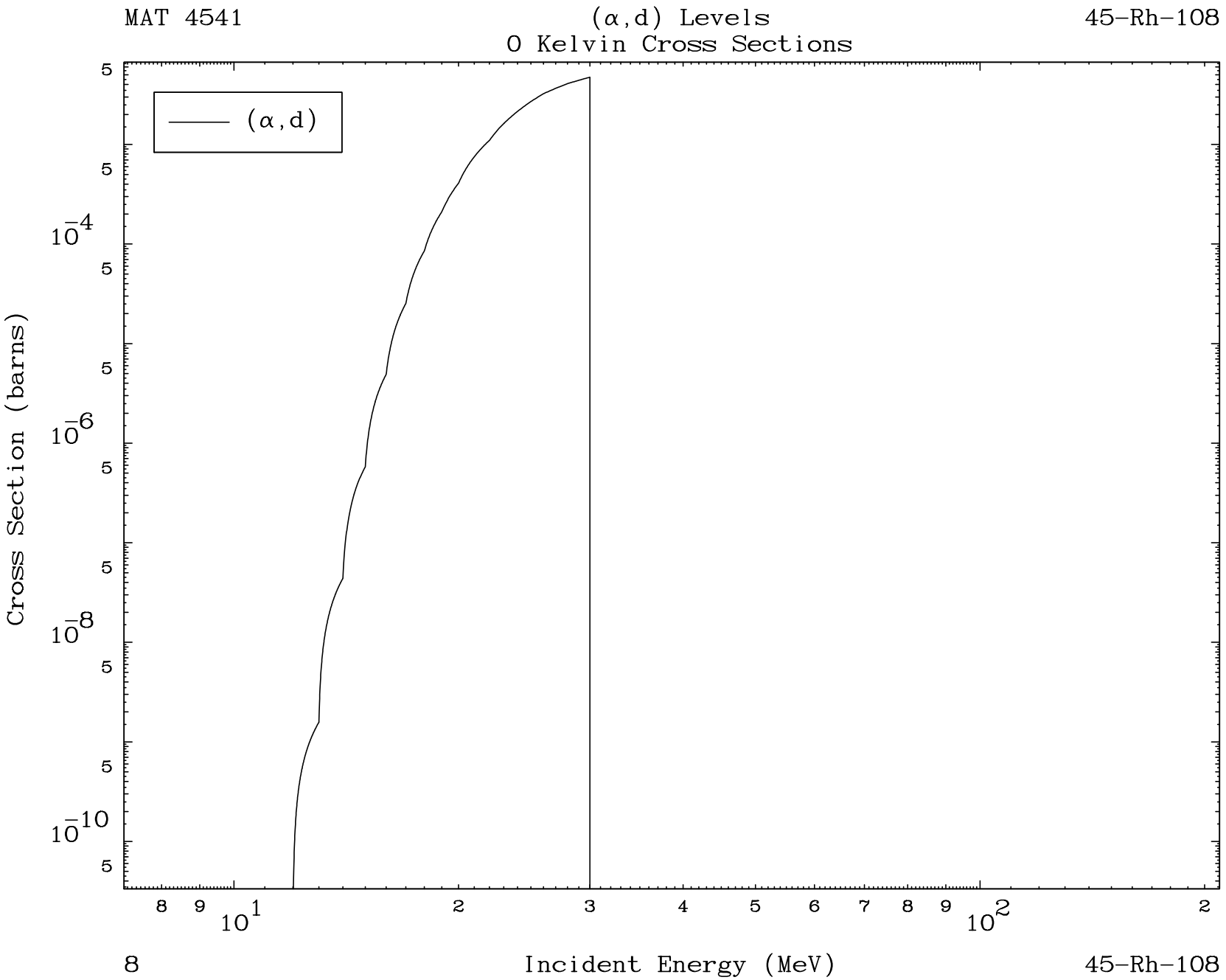

MAT 4541
α Neutron Production
0 Kelvin Cross Sections
45-Rh-108
(α,n') d
(α,n') t
(α,n') He-3
(α,4n)
(α,2n) p
(α,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
45-Rh-108

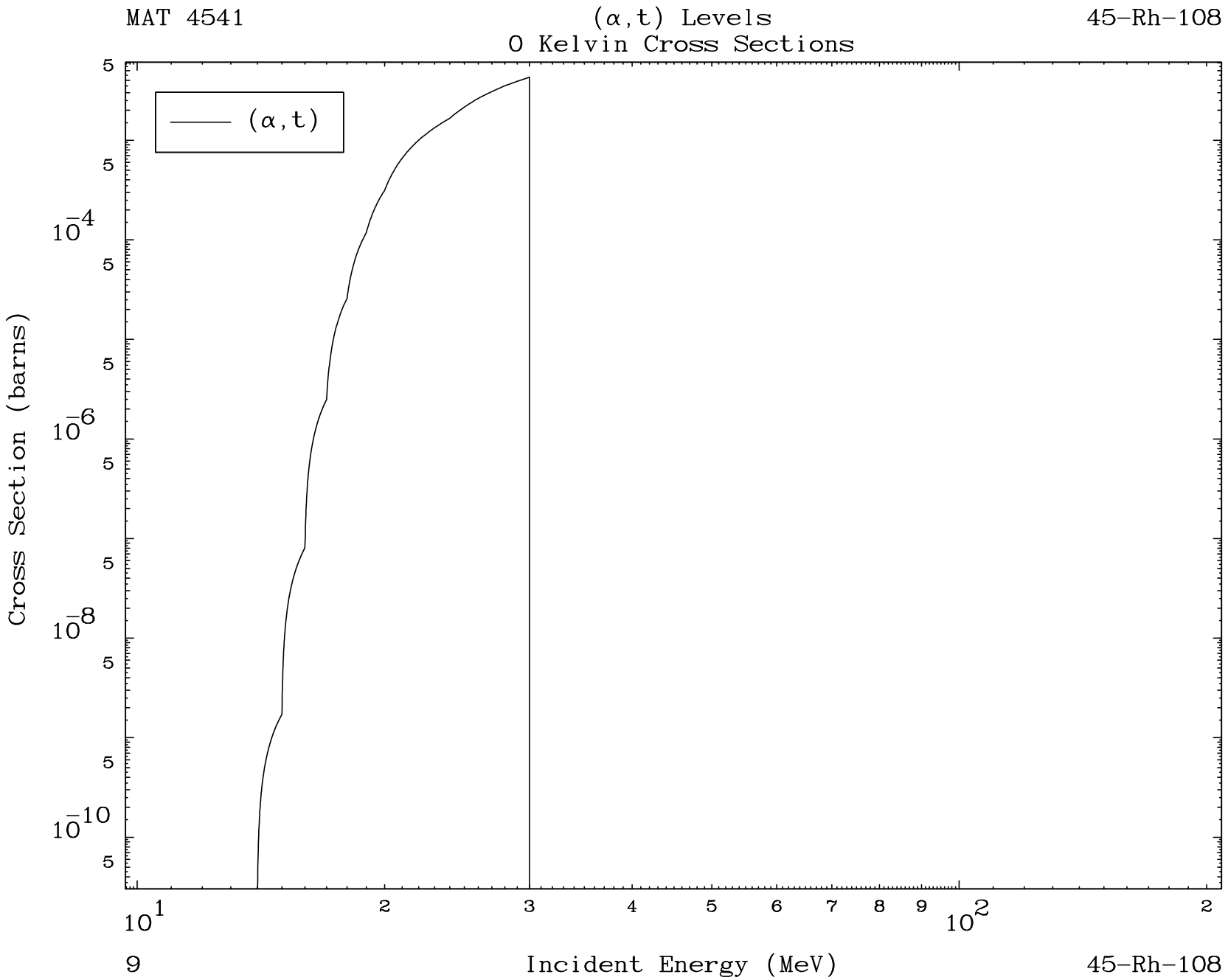

MAT 4541
α Charged Particle
0 Kelvin Cross Sections
45-Rh-108
Cross Section (barns)
Incident Energy (MeV)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,3n) p
4
45-Rh-108

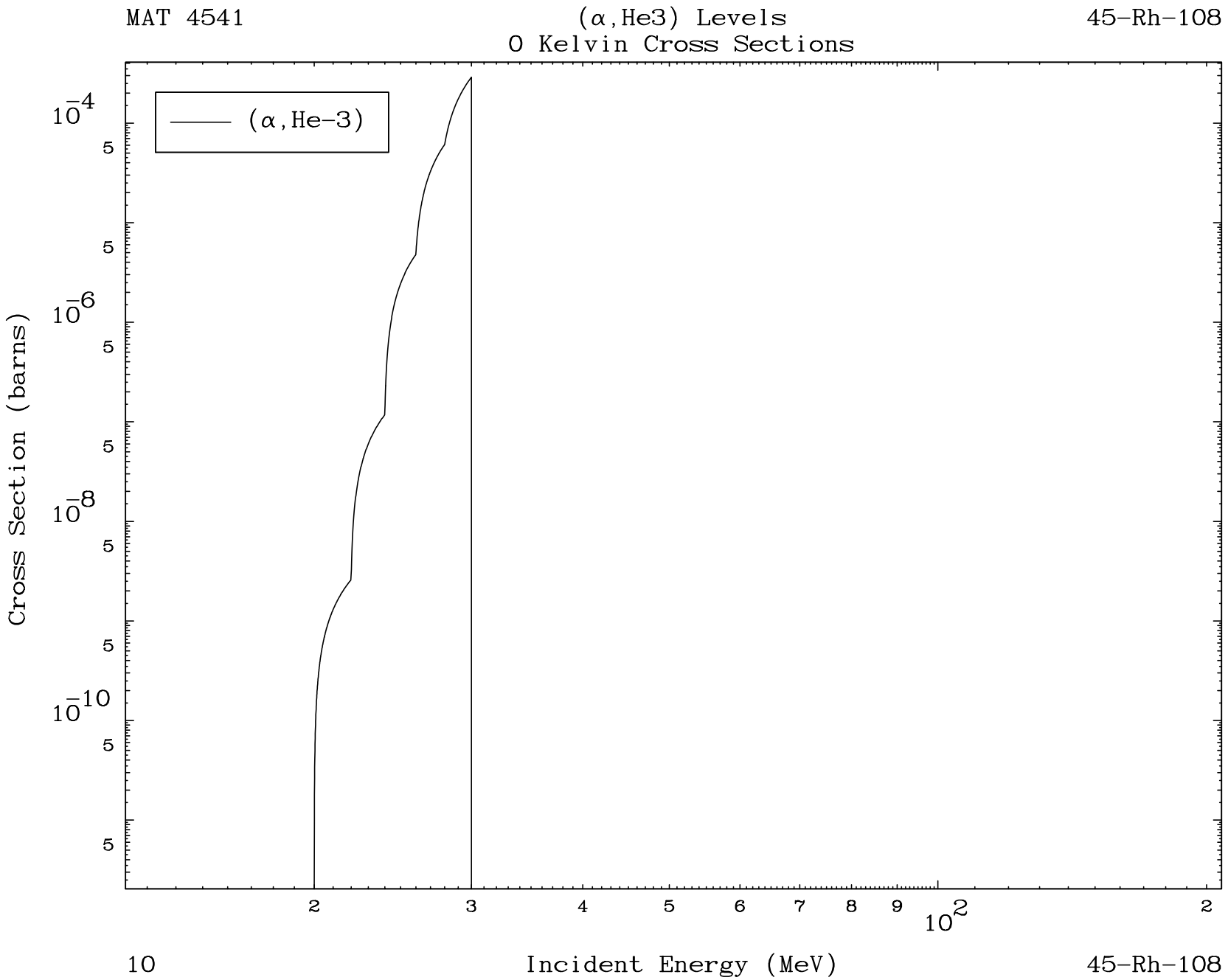

MAT 4541
α Charged Particle
0 Kelvin Cross Sections
45-Rh-108
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
Cross Section (barns)
Incident Energy (MeV)
45-Rh-108
5

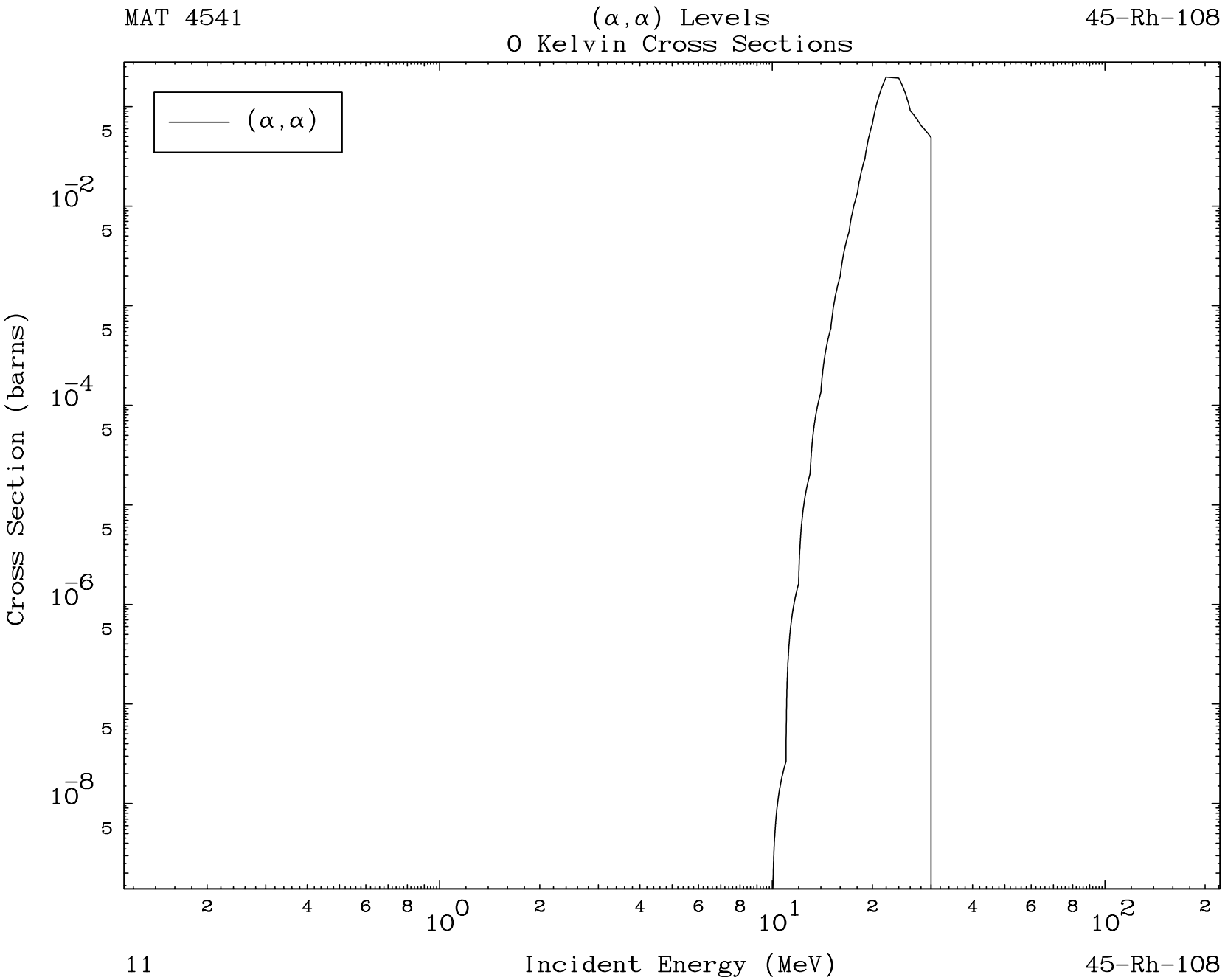

MAT 4541
(α,n') Level
45-Rh-108
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
5
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
6
45-Rh-108

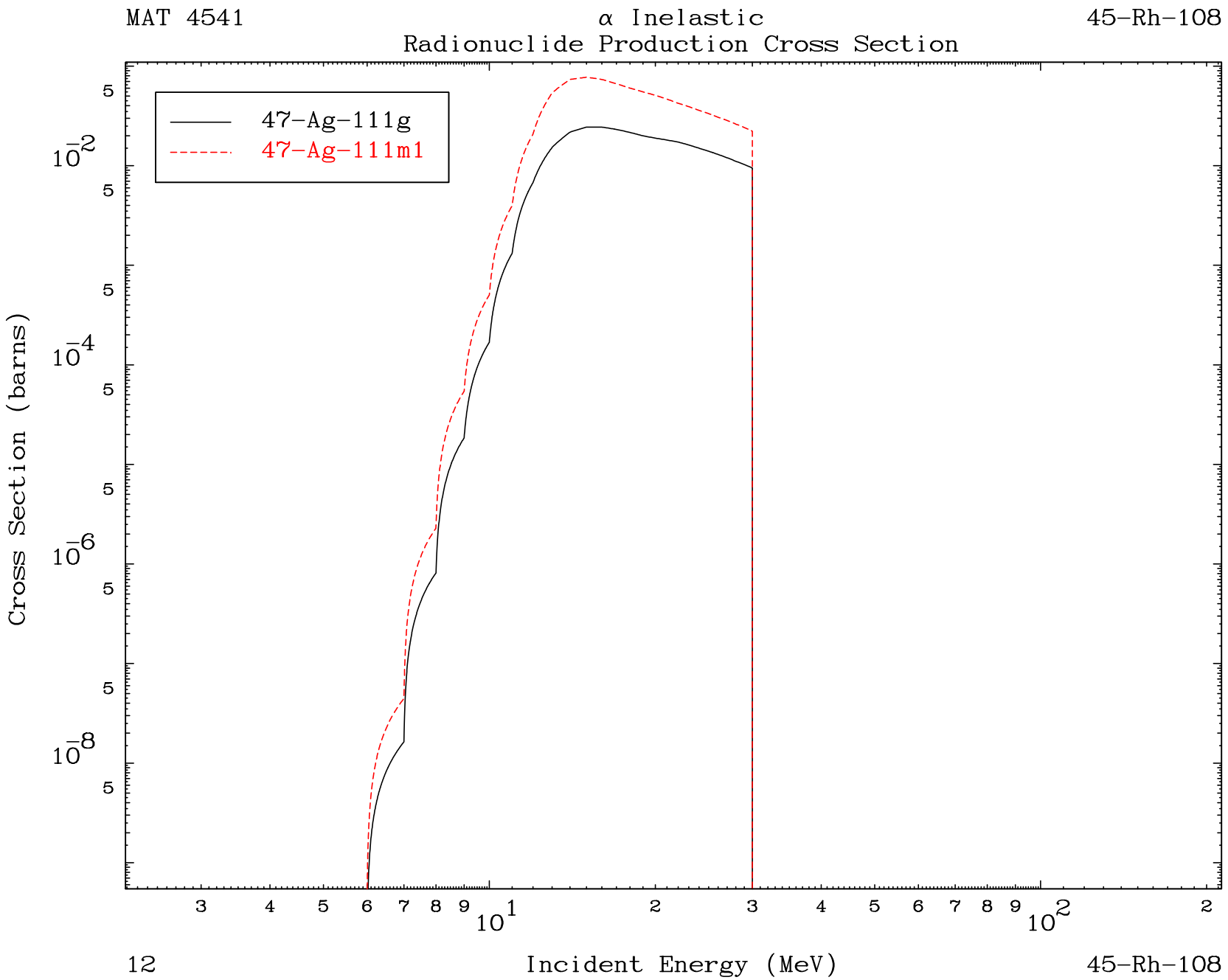

MAT 4541
(α,p) Levels
45-Rh-108
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
7
45-Rh-108

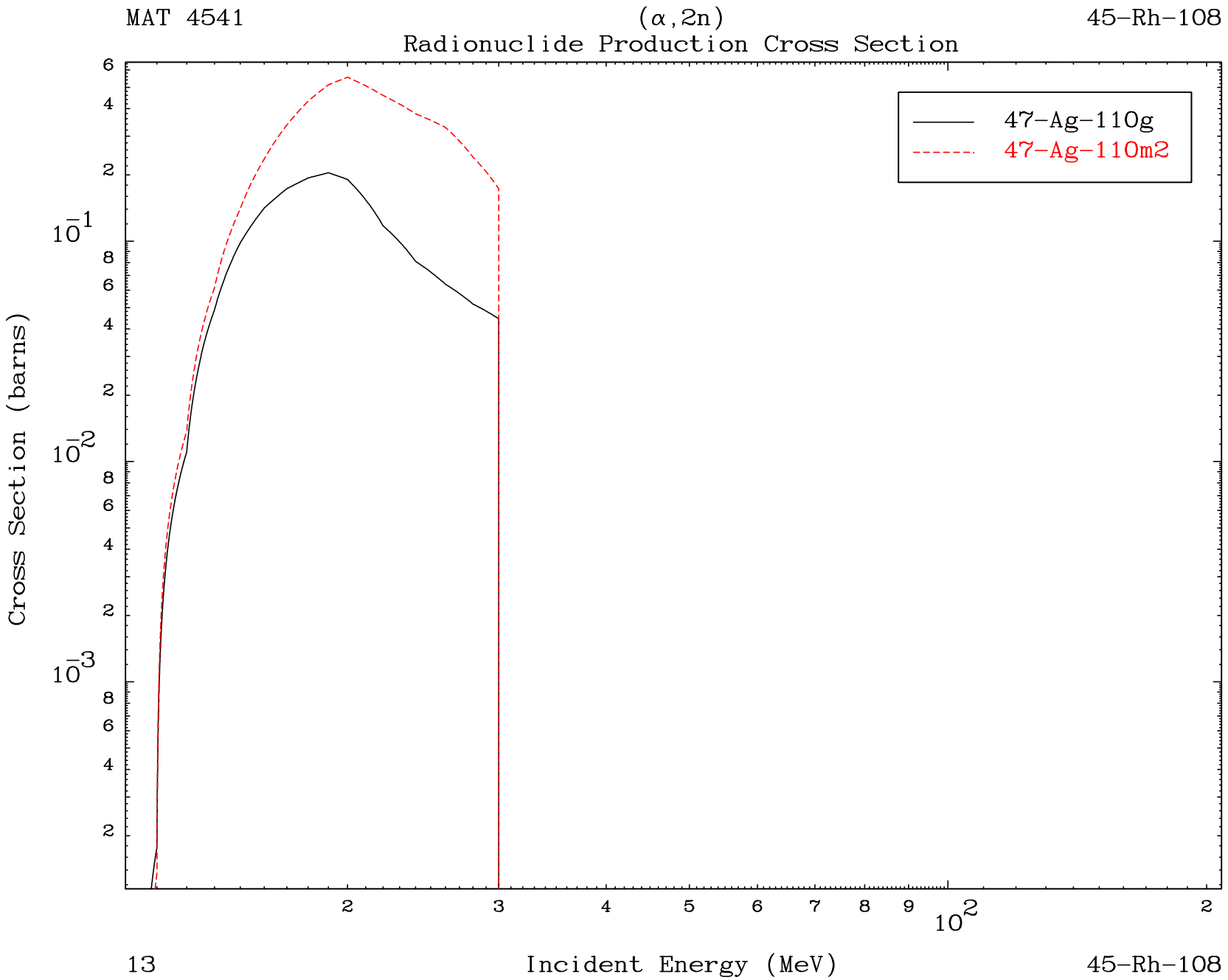

MAT 4541
(α,d) Levels
45-Rh-108
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
Incident Energy (MeV)
45-Rh-108
8

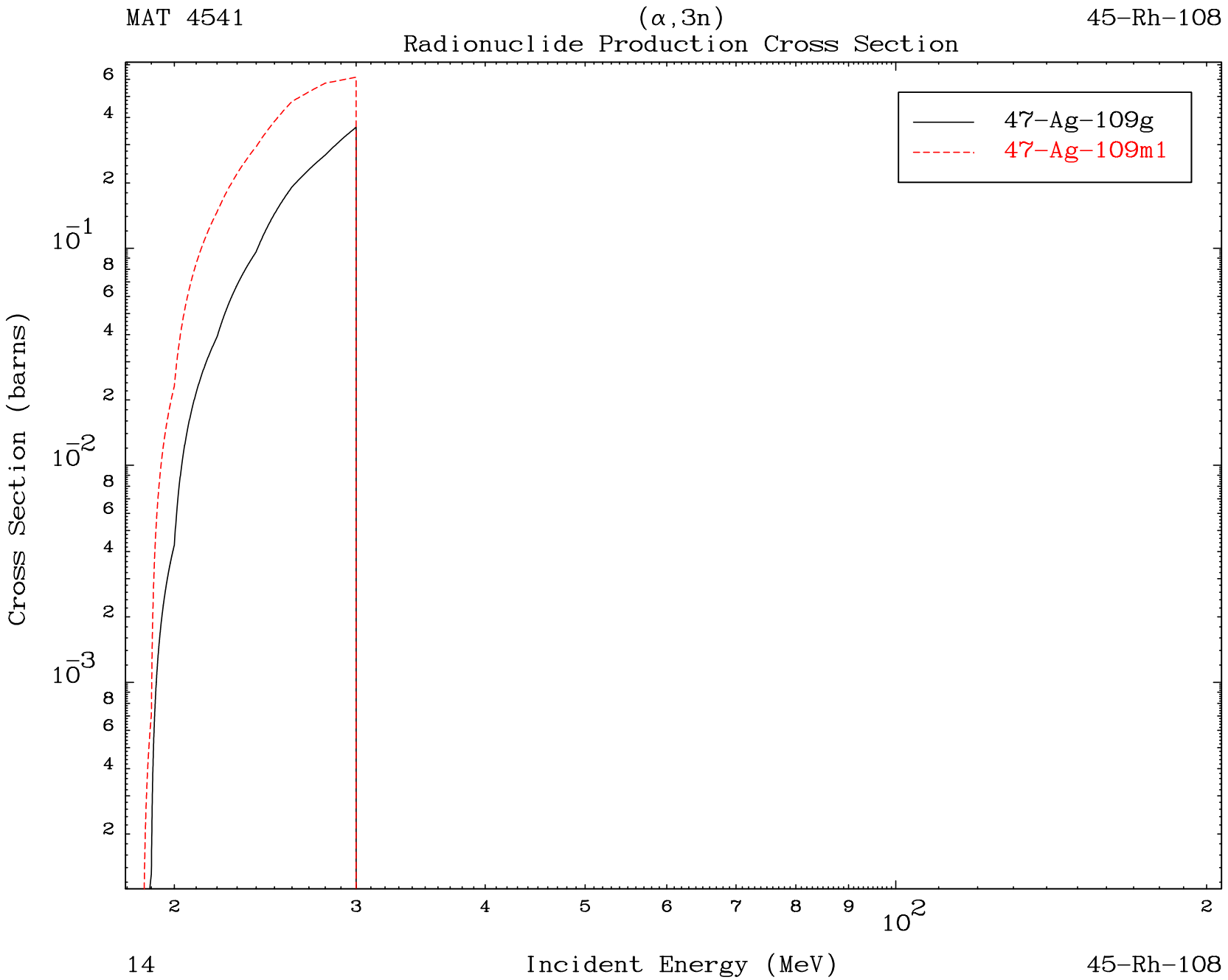

MAT 4541
(α,t) Levels
45-Rh-108
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
Incident Energy (MeV)
45-Rh-108

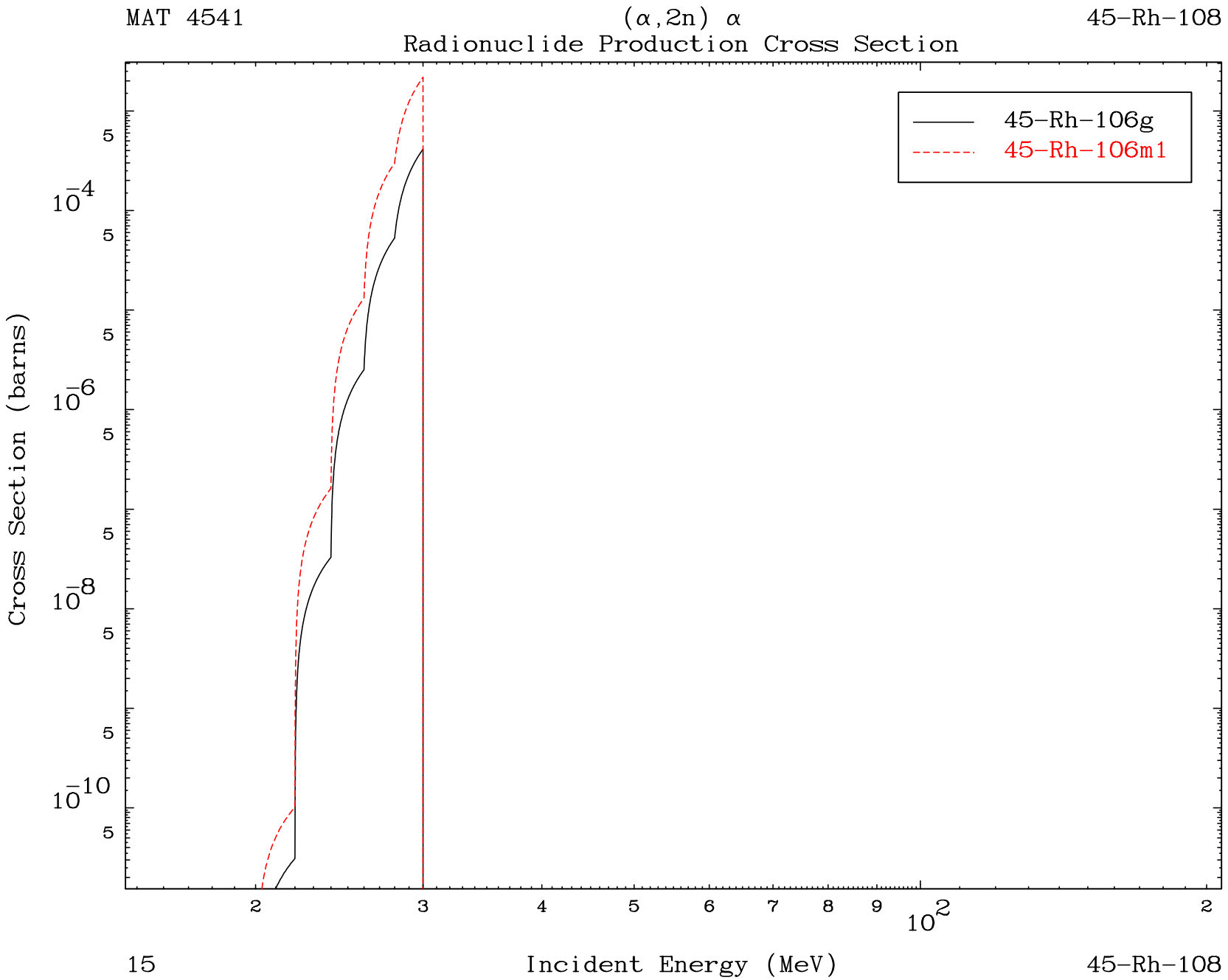

MAT 4541
(α,He3) Levels
45-Rh-108
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^2
45-Rh-108

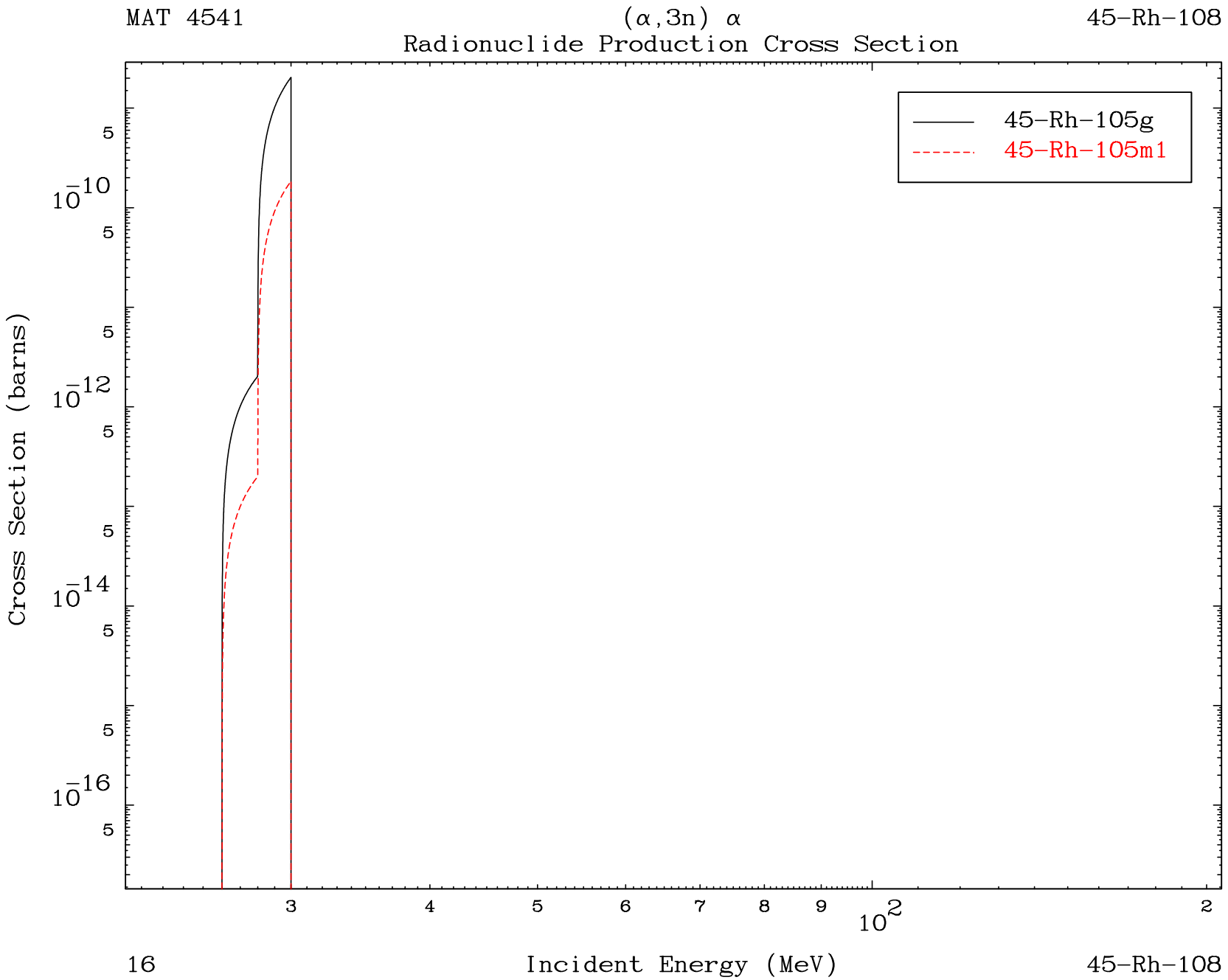

MAT 4541
(α,α) Levels
45-Rh-108
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
100
101
102
2
4
6
8
11
Incident Energy (MeV)
45-Rh-108

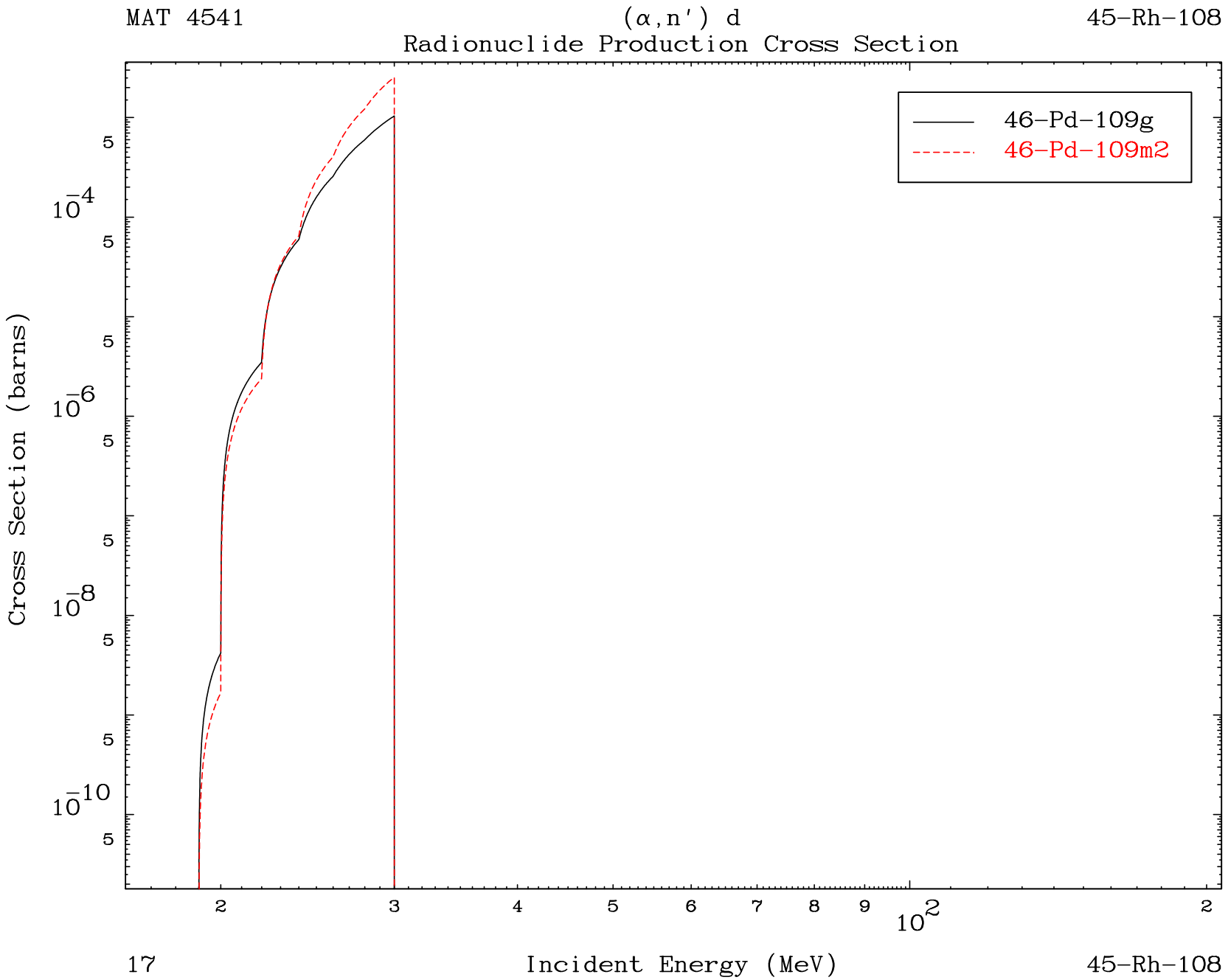

MAT 4541
α Inelastic
45-Rh-108
Radionuclide Production Cross Section
47-Ag-111g
47-Ag-111m1
Cross Section (barns)
10-2
10-4
10-6
10-8
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
12
Incident Energy (MeV)
45-Rh-108

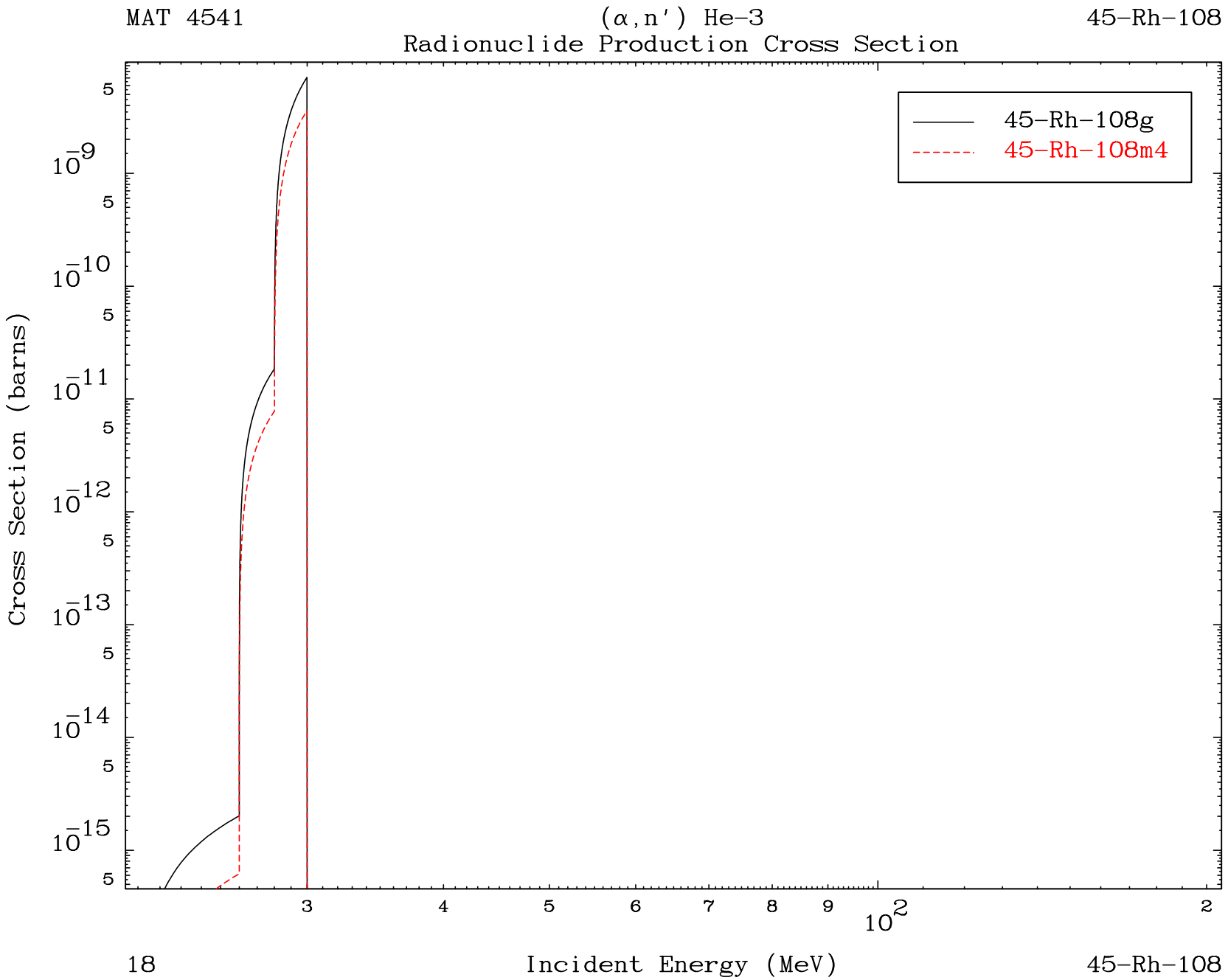

MAT 4541
(α,2n)
45-Rh-108
Radionuclide Production Cross Section
47-Ag-110g
47-Ag-110m2
Cross Section (barns)
Incident Energy (MeV)
13
45-Rh-108

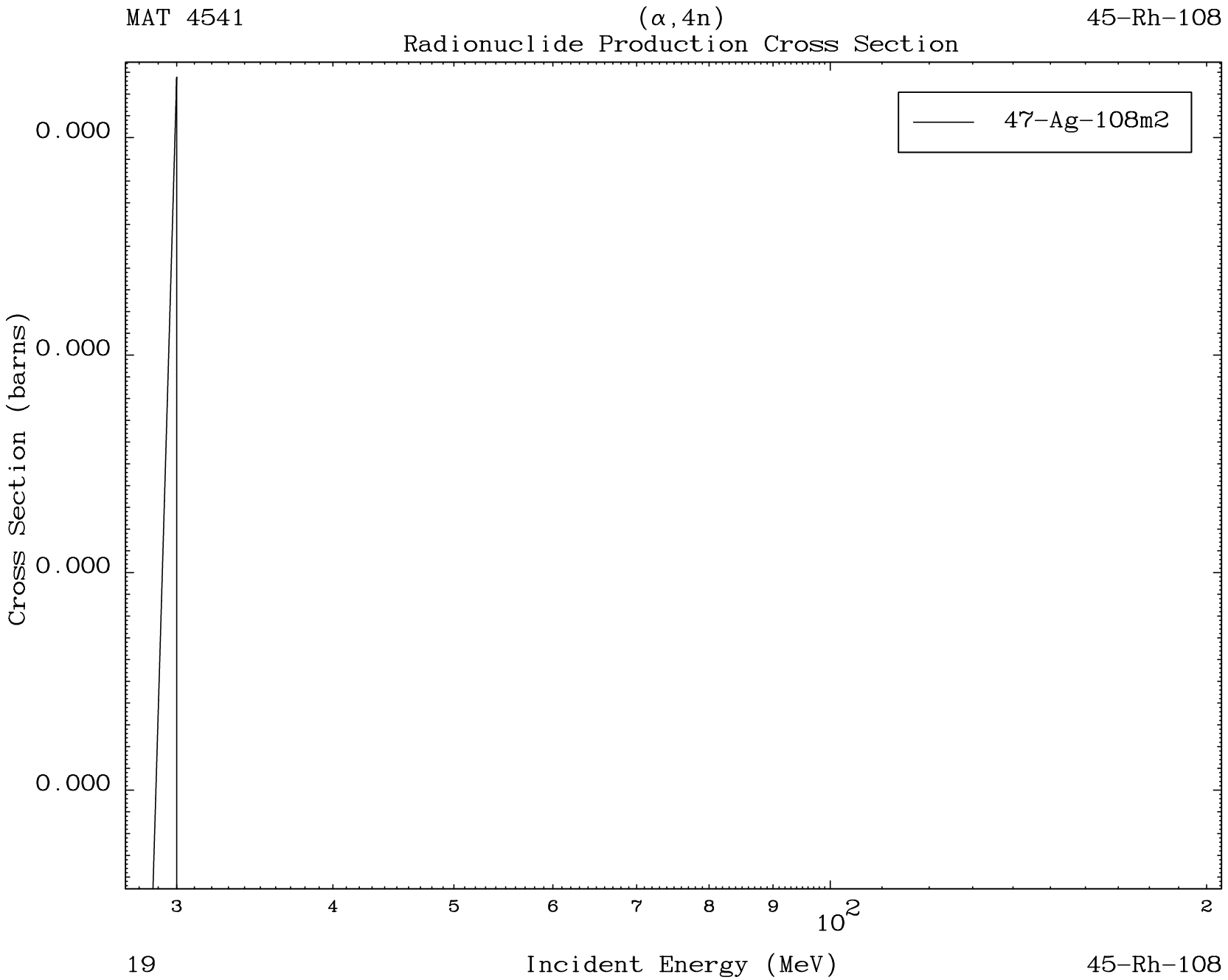

MAT 4541
(α,3n)
45-Rh-108
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
Incident Energy (MeV)
14
45-Rh-108

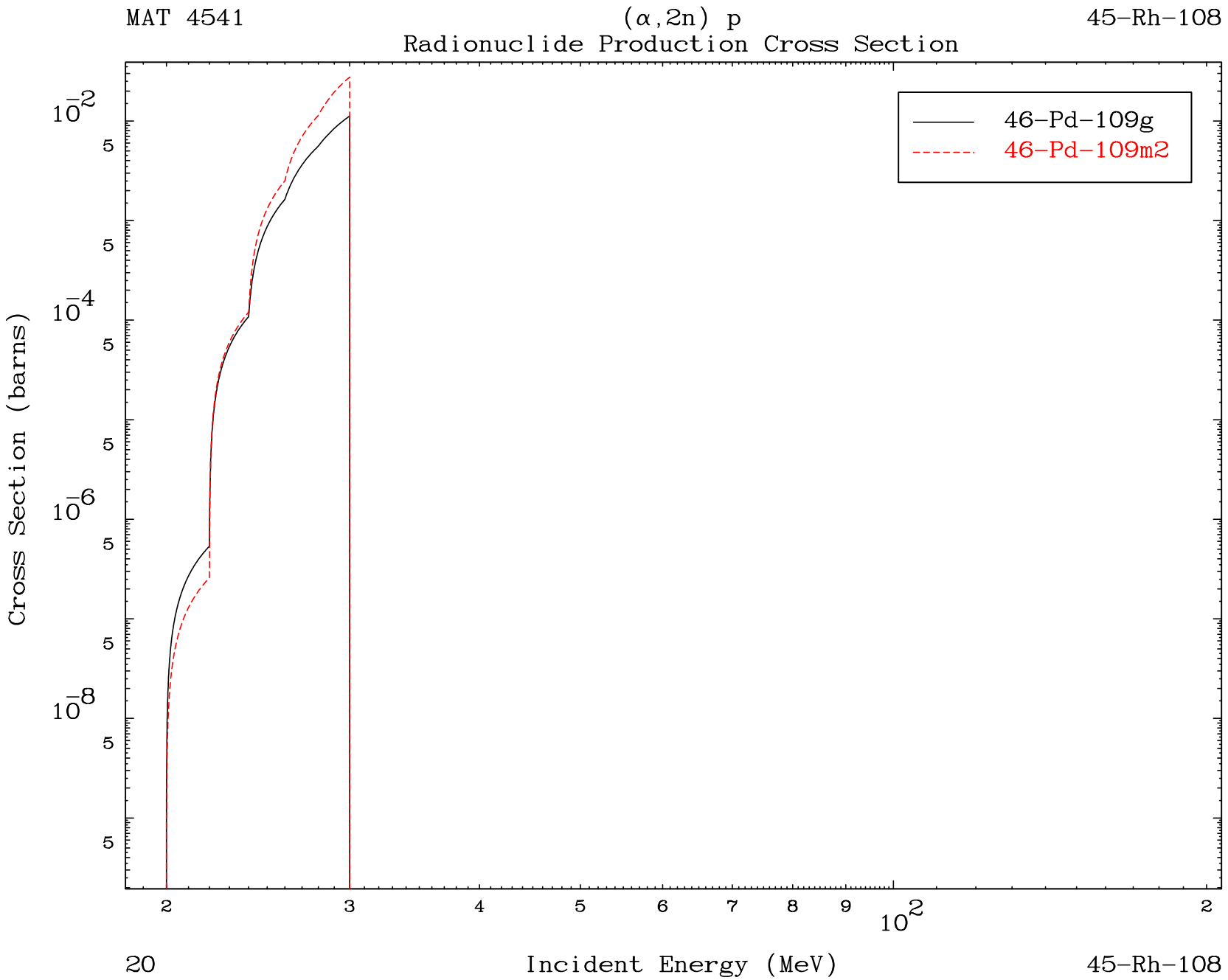

MAT 4541
(α,2n) α
45-Rh-108
Radionuclide Production Cross Section
45-Rh-106g
45-Rh-106m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
45-Rh-108

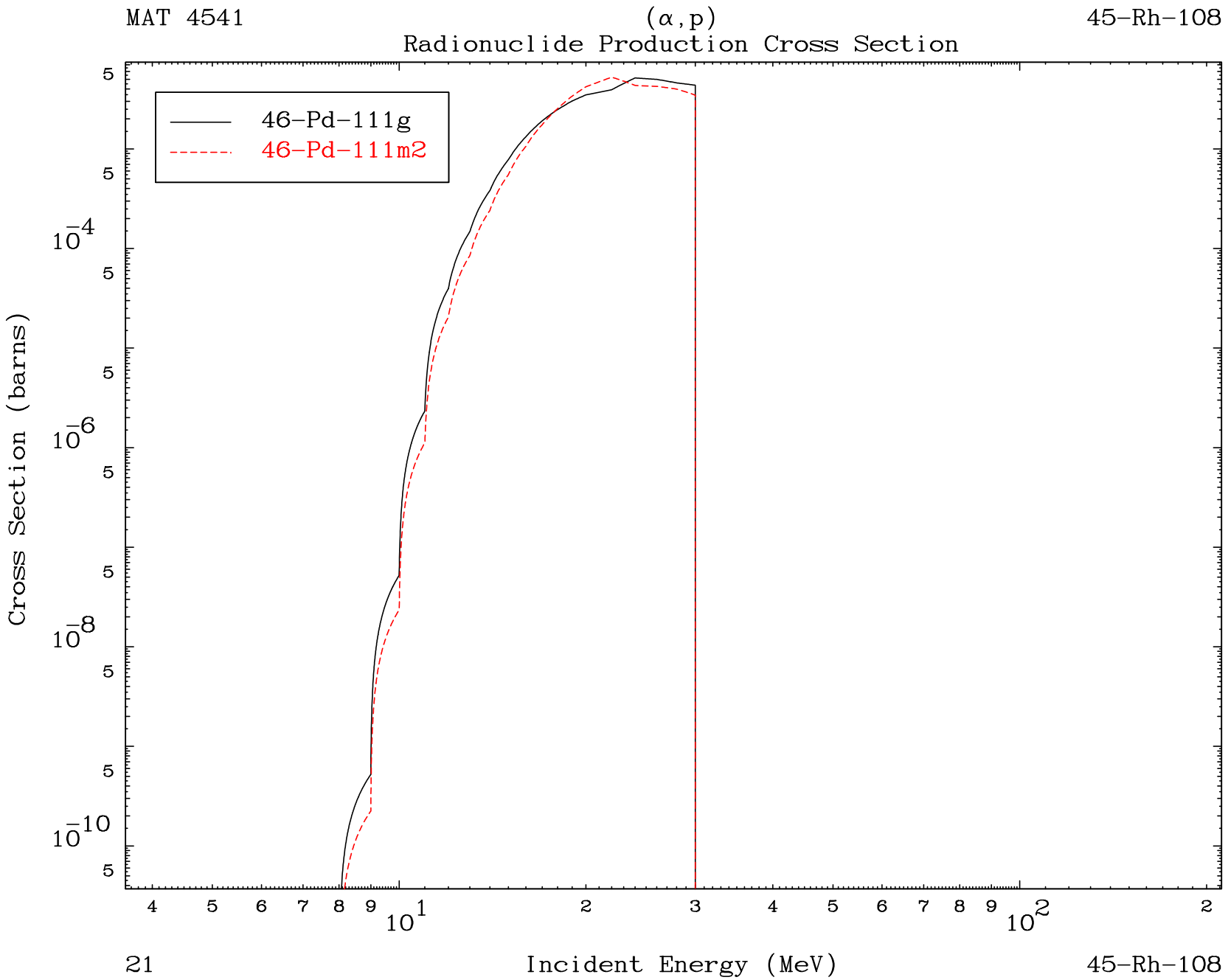

MAT 4541
(α,3n) α
45-Rh-108
Radionuclide Production Cross Section
45-Rh-105g
45-Rh-105m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
3
4
6
7
8
9
10^2
2
16
Incident Energy (MeV)
45-Rh-108

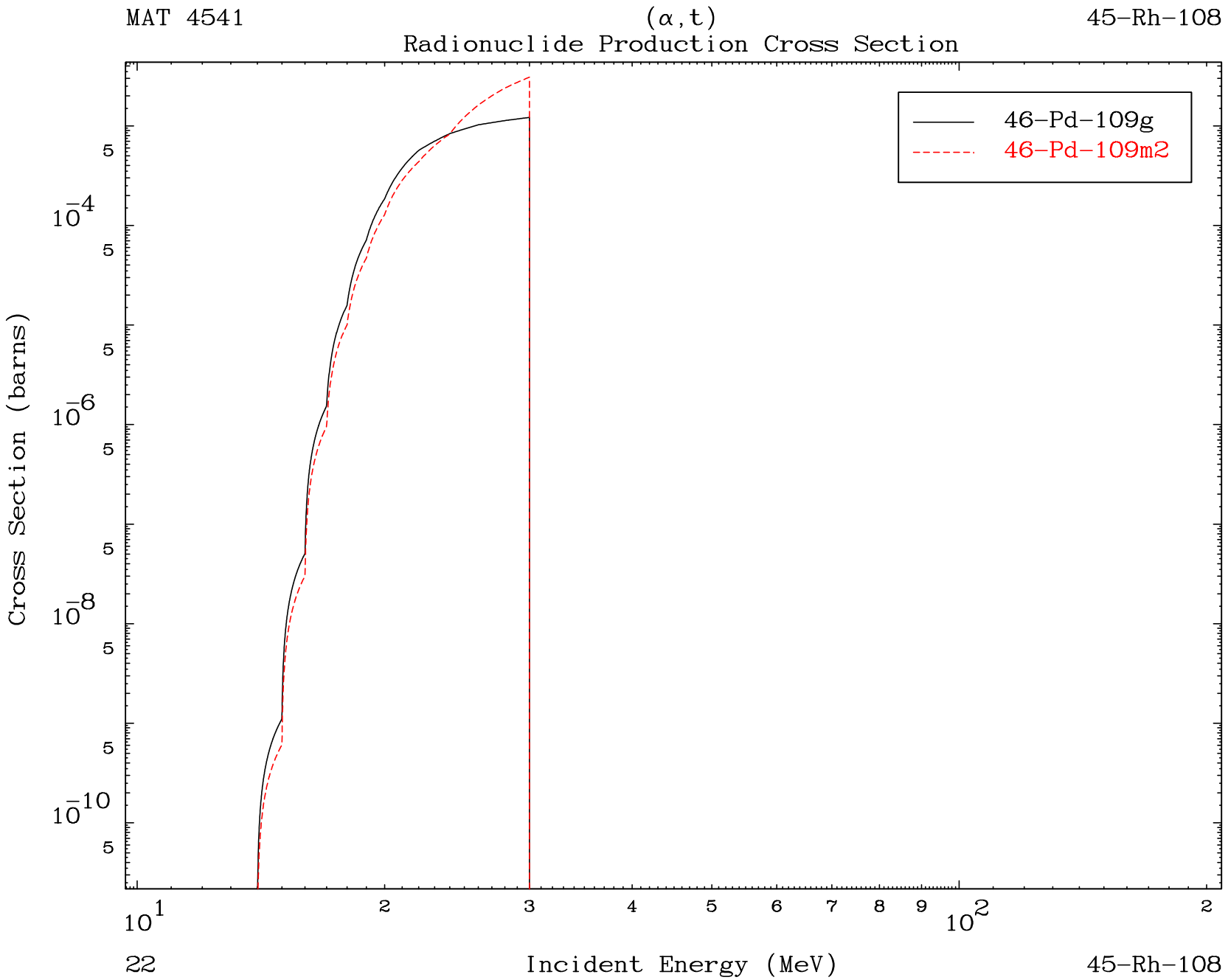

MAT 4541
(α,n') d
45-Rh-108
Radionuclide Production Cross Section
46-Pd-109g
46-Pd-109m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
45-Rh-108

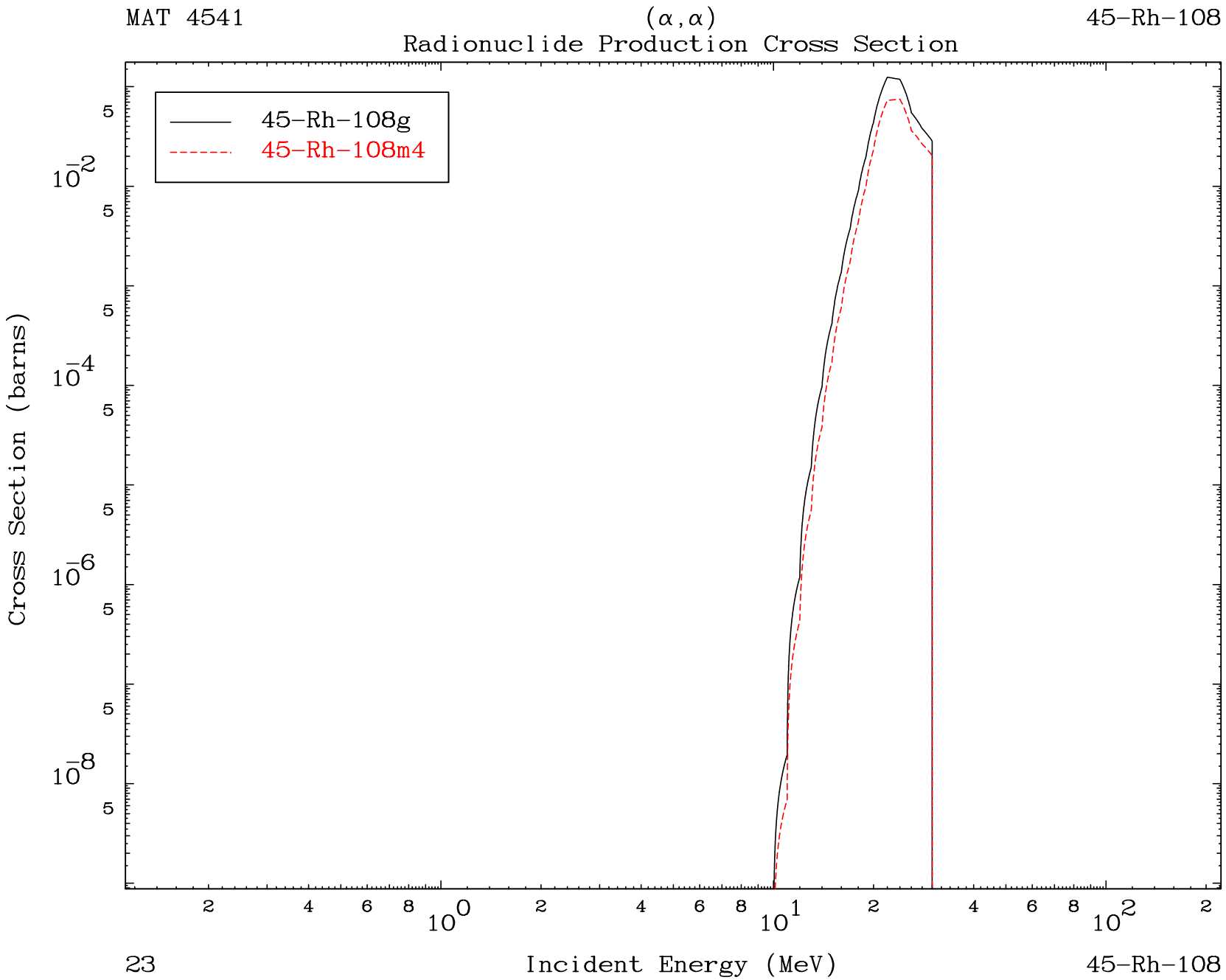

MAT 4541
(α,n') He-3
45-Rh-108
Radionuclide Production Cross Section
45-Rh-108g
45-Rh-108m4
Cross Section (barns)
10-9
10-10
10-11
10-12
10-13
10-14
10-15
5
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
45-Rh-108

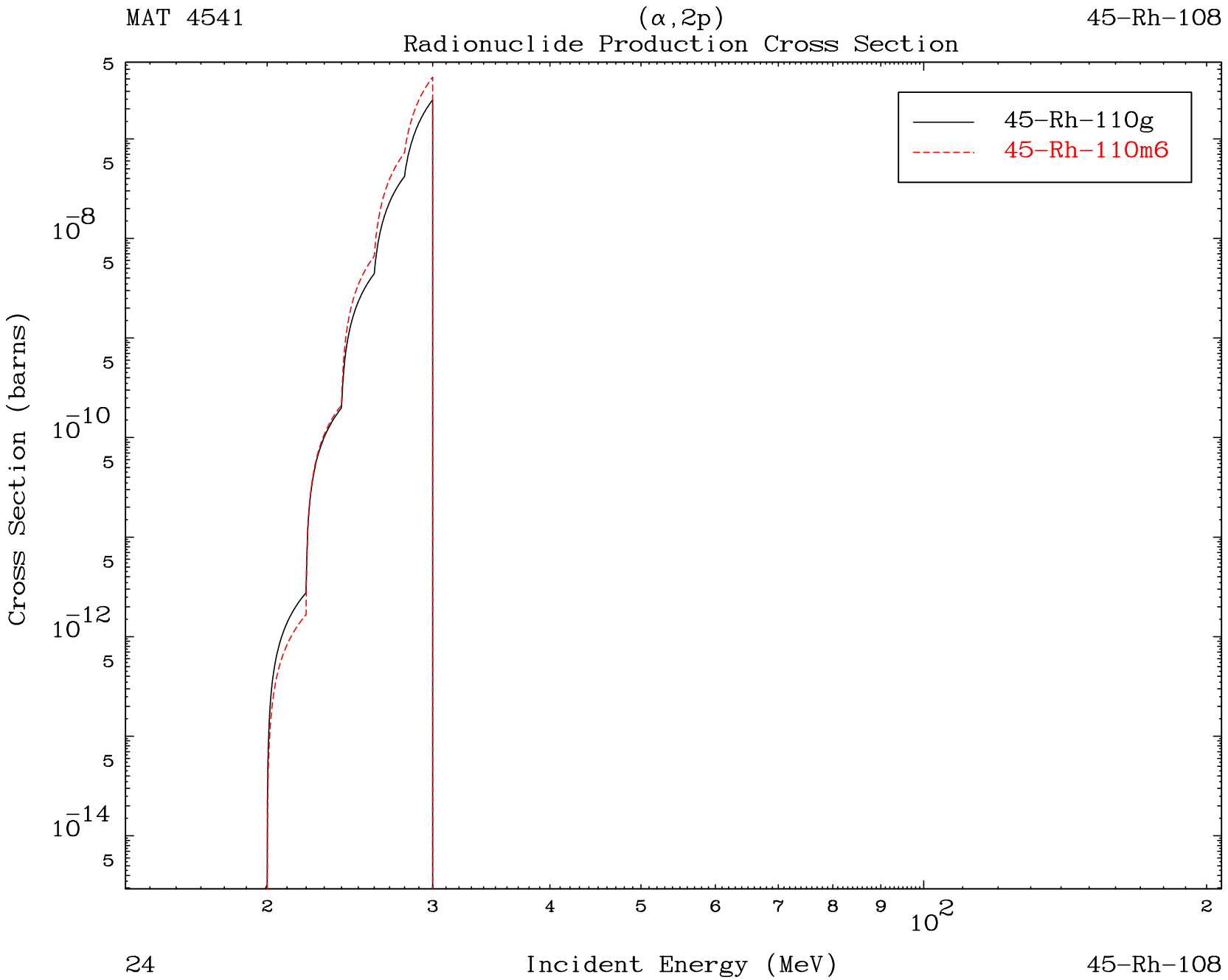

MAT 4541
(α,4n)
45-Rh-108
Radionuclide Production Cross Section
47-Ag-108m2
0.000
0.000
0.000
0.000
Cross Section (barns)
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
45-Rh-108


MAT 4541
(α,2n) p
45-Rh-108
Radionuclide Production Cross Section
46-Pd-109g
46-Pd-109m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
45-Rh-108


MAT 4541
(α,p)
45-Rh-108
Radionuclide Production Cross Section
46-Pd-111g
46-Pd-111m2
Cross Section (barns)
Incident Energy (MeV)
21
45-Rh-108


MAT 4541
(α,t)
45-Rh-108
Radionuclide Production Cross Section
46-Pd-109g
46-Pd-109m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
22
45-Rh-108


MAT 4541
(α,α)
45-Rh-108
Radionuclide Production Cross Section
45-Rh-108g
45-Rh-108m4
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
23
45-Rh-108


MAT 4541
(α,2p)
45-Rh-108
Radionuclide Production Cross Section
45-Rh-110g
45-Rh-110m6
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
24
Incident Energy (MeV)
45-Rh-108