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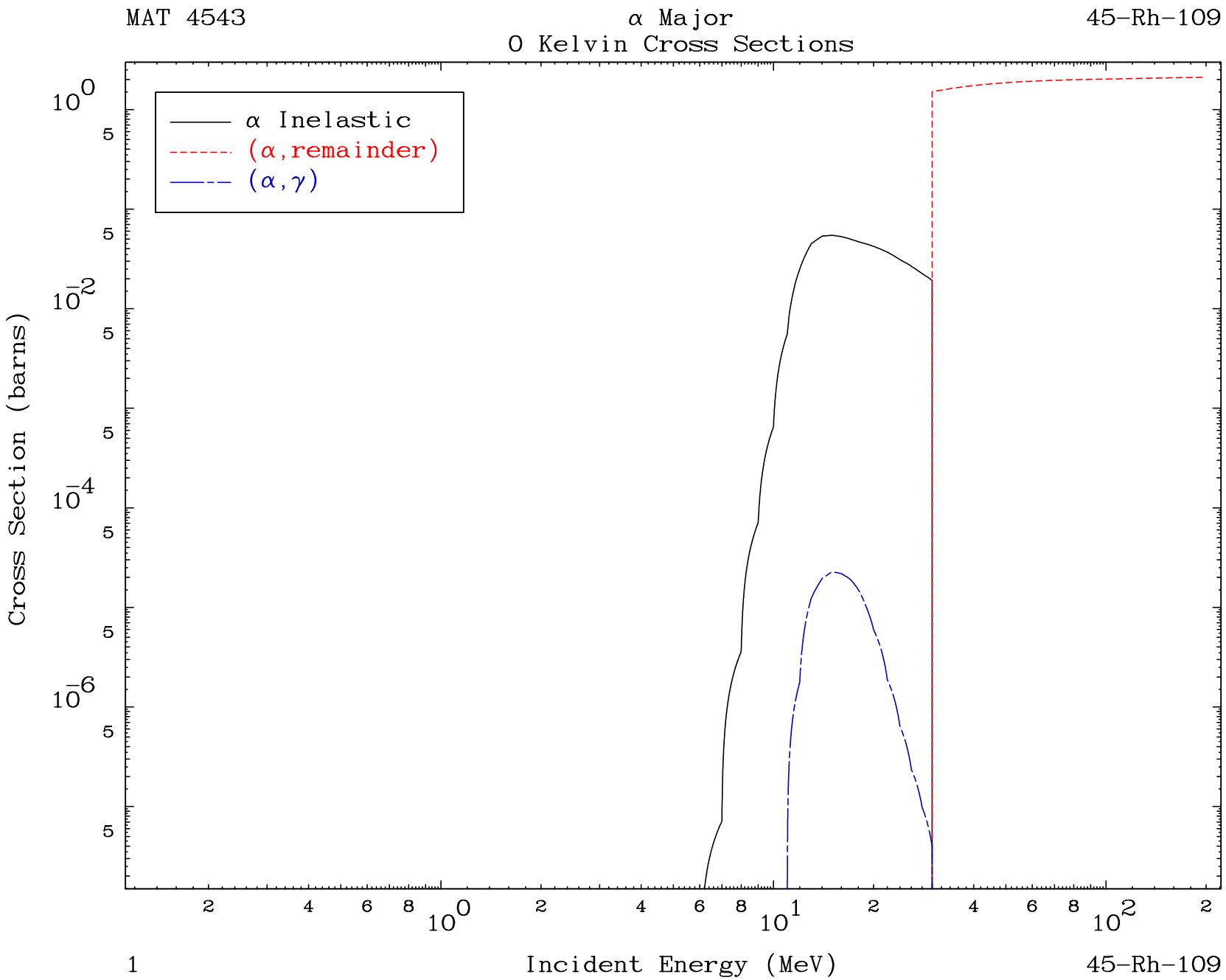
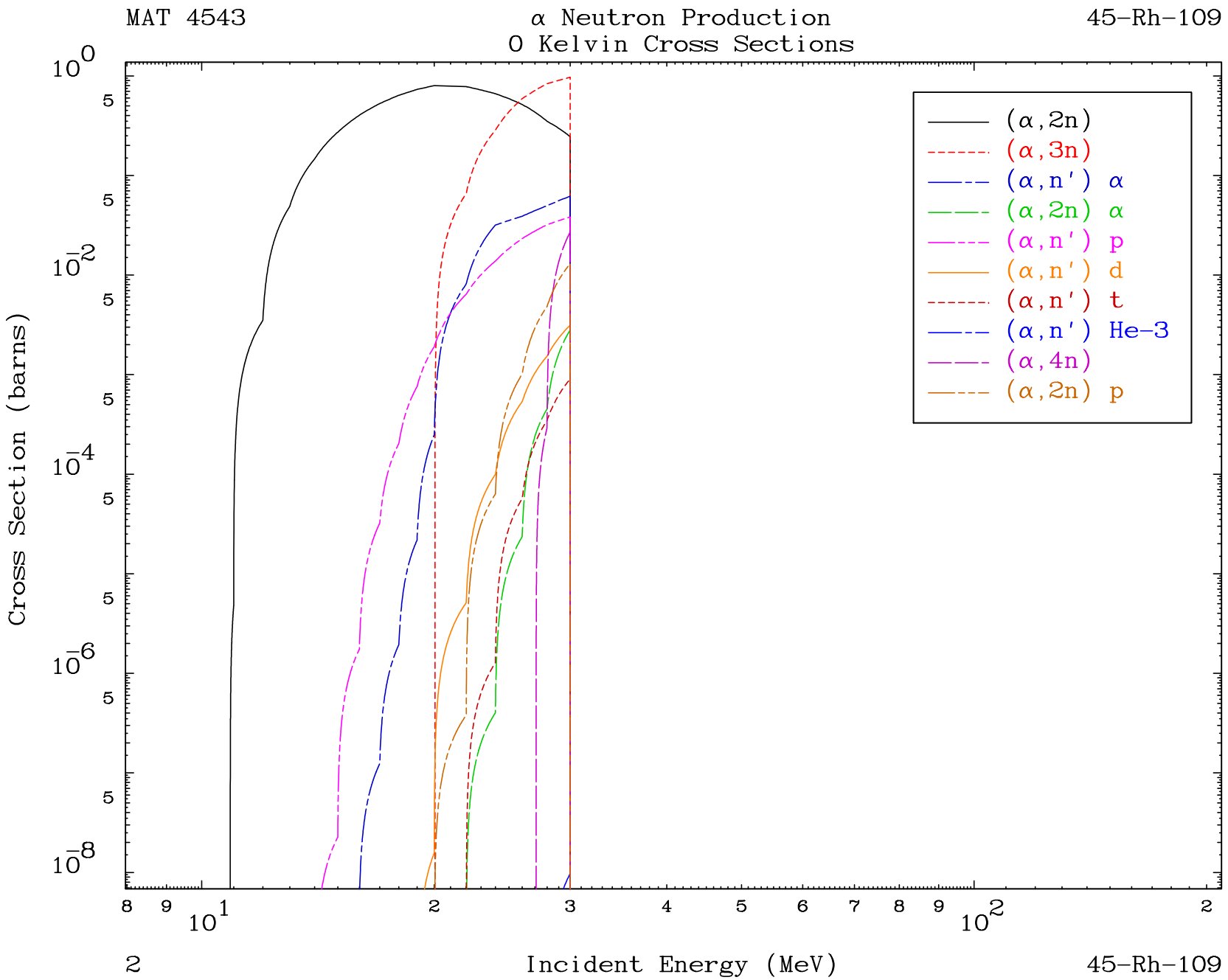
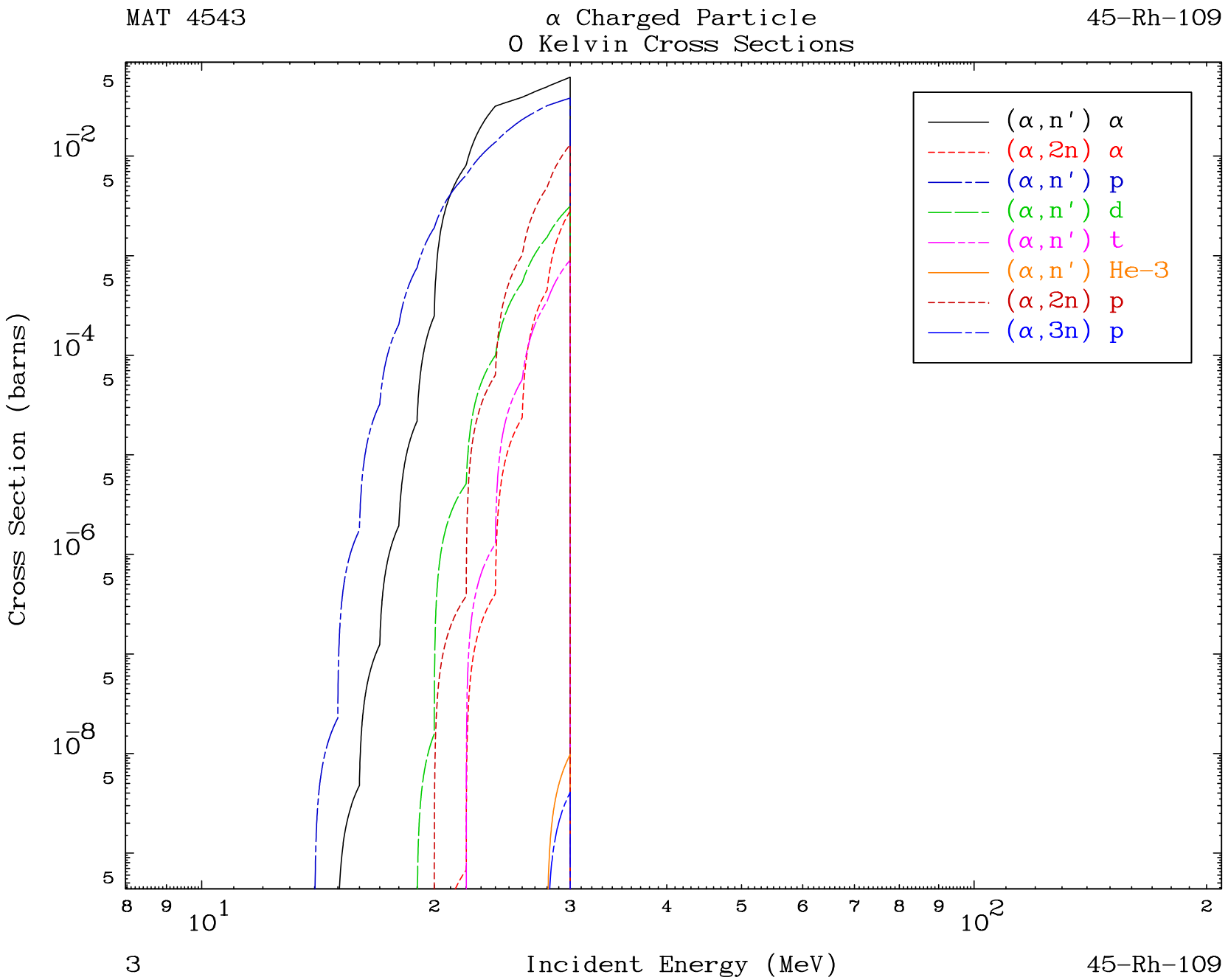
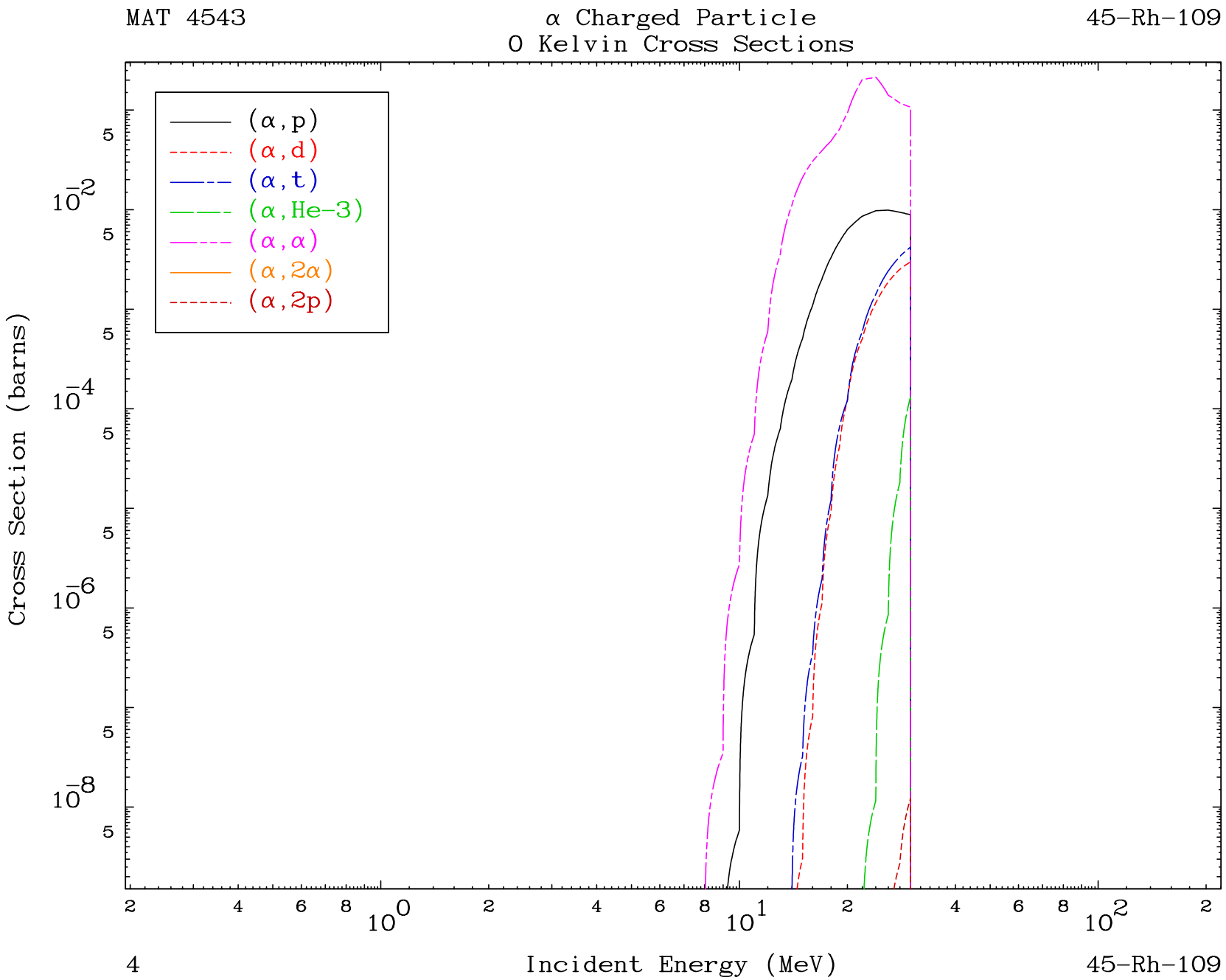
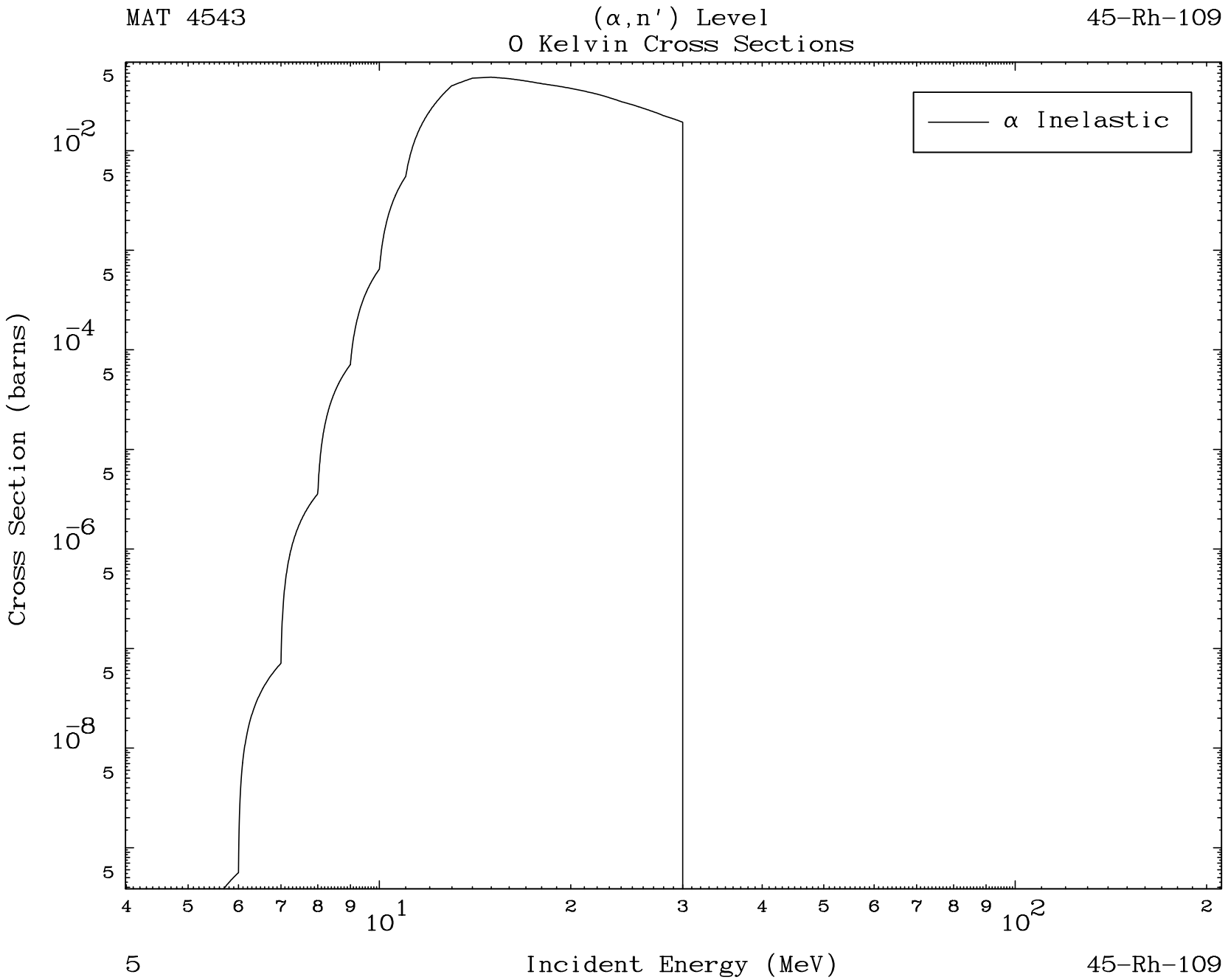
Press Mouse Button to Start

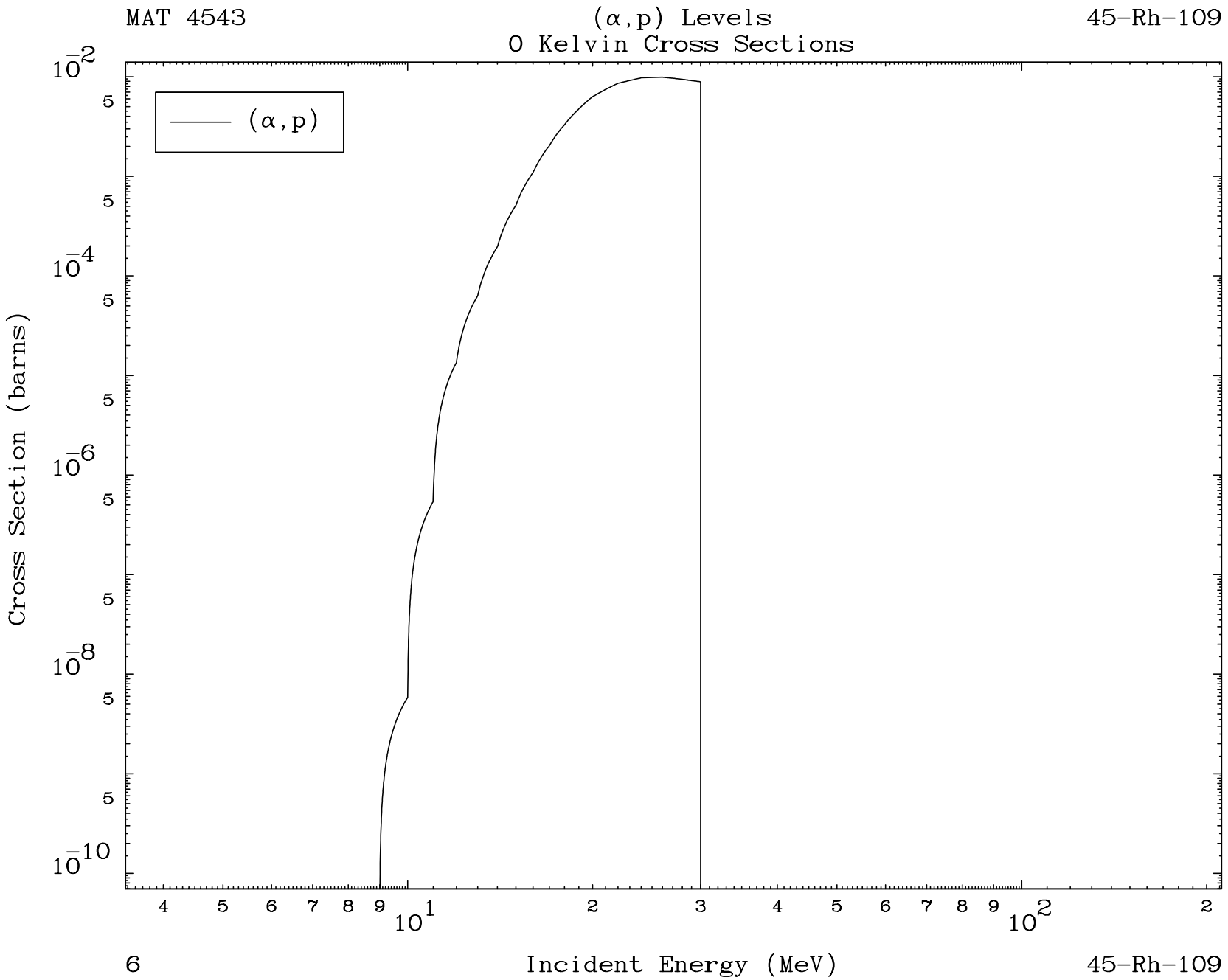

MAT 4543
α Major
45-Rh-109
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
45-Rh-109
1

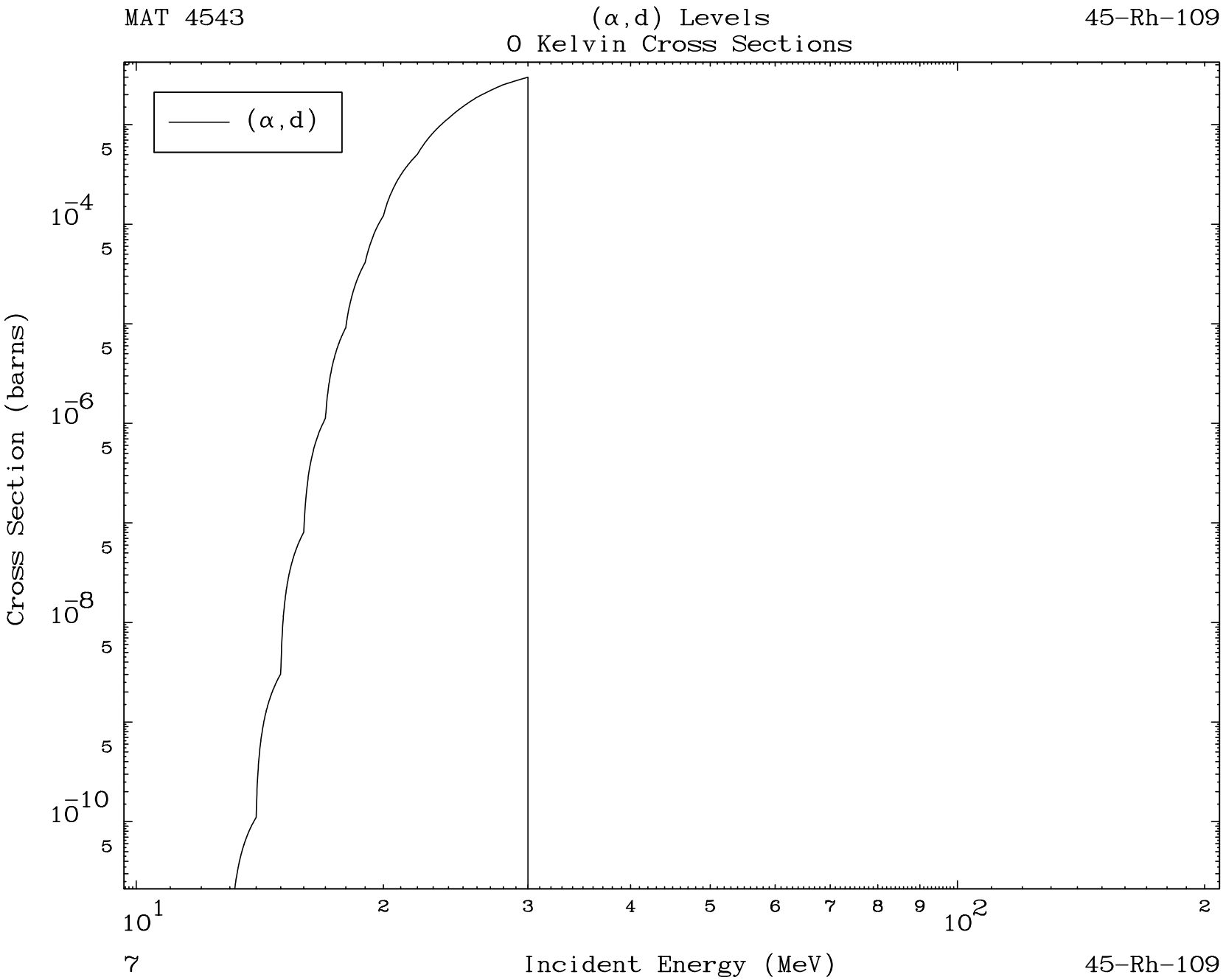

MAT 4543
α Neutron Production
0 Kelvin Cross Sections
45-Rh-109
Cross Section (barns)
Incident Energy (MeV)
45-Rh-109
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,4n)
(α,2n) p

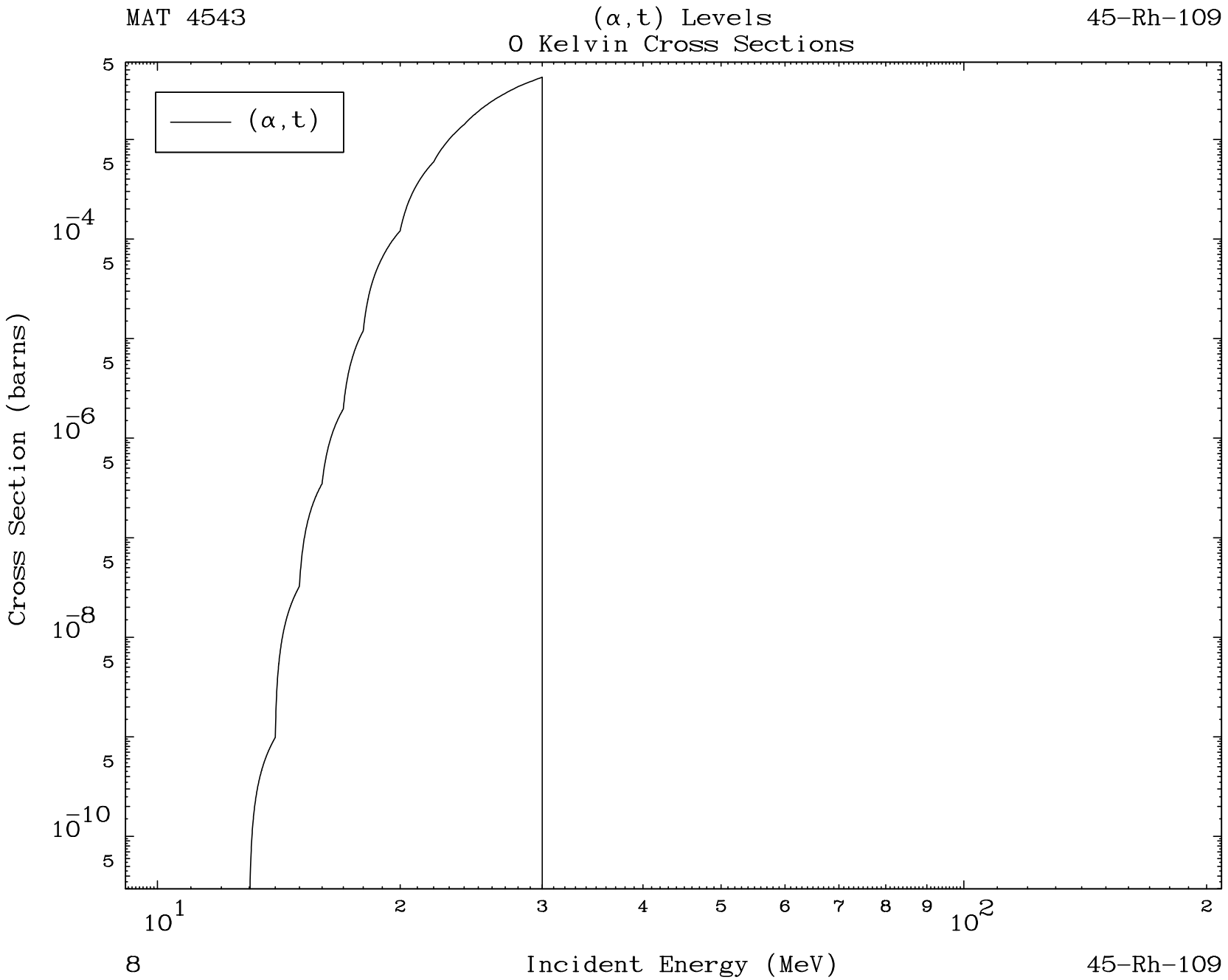

MAT 4543
α Charged Particle
0 Kelvin Cross Sections
45-Rh-109
Cross Section (barns)
Incident Energy (MeV)
3
45-Rh-109
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,3n) p

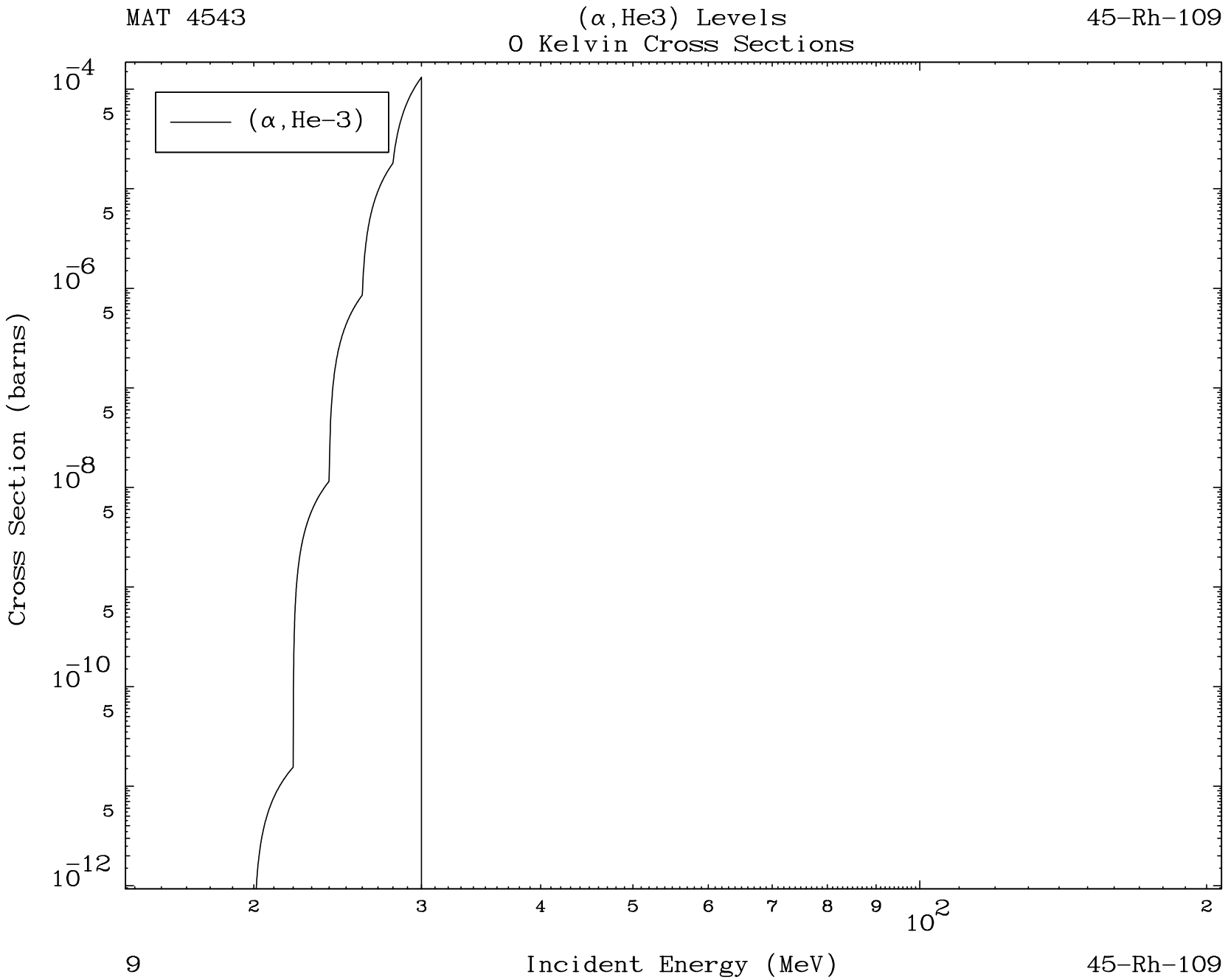

MAT 4543
α Charged Particle
0 Kelvin Cross Sections
45-Rh-109
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
Cross Section (barns)
Incident Energy (MeV)
45-Rh-109
4

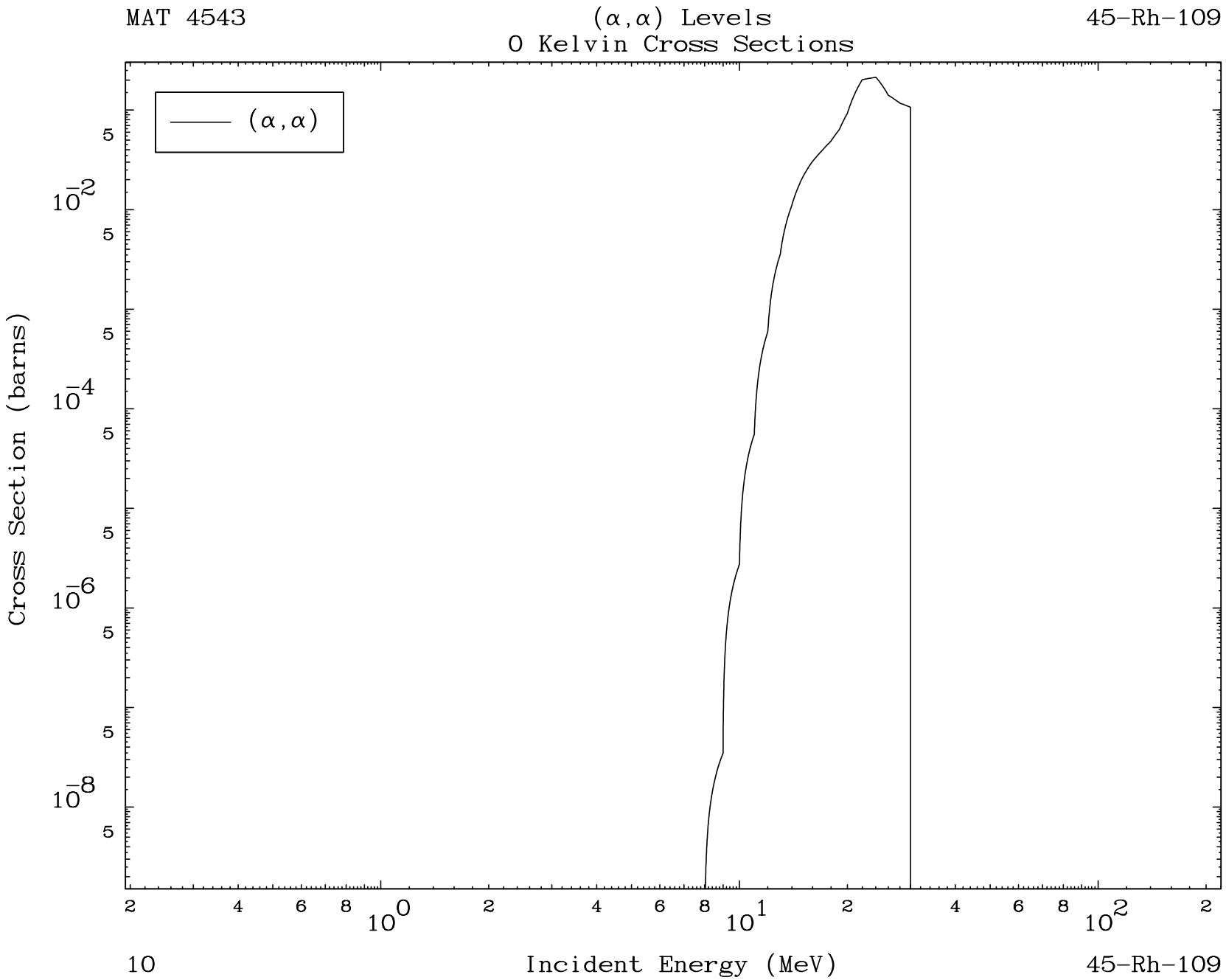

MAT 4543
(α,n') Level
45-Rh-109
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
45-Rh-109

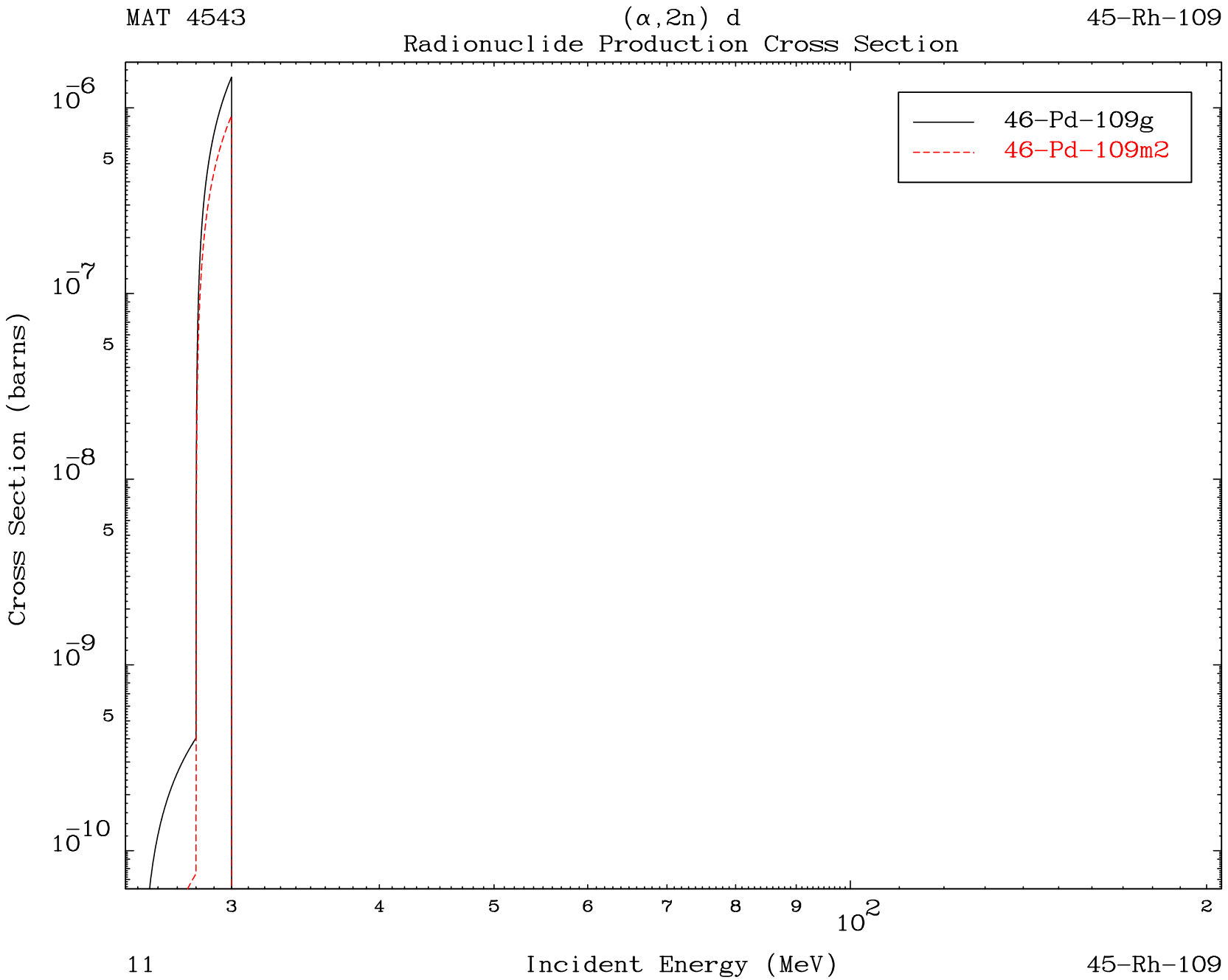

MAT 4543
(α,p) Levels
45-Rh-109
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
6
45-Rh-109

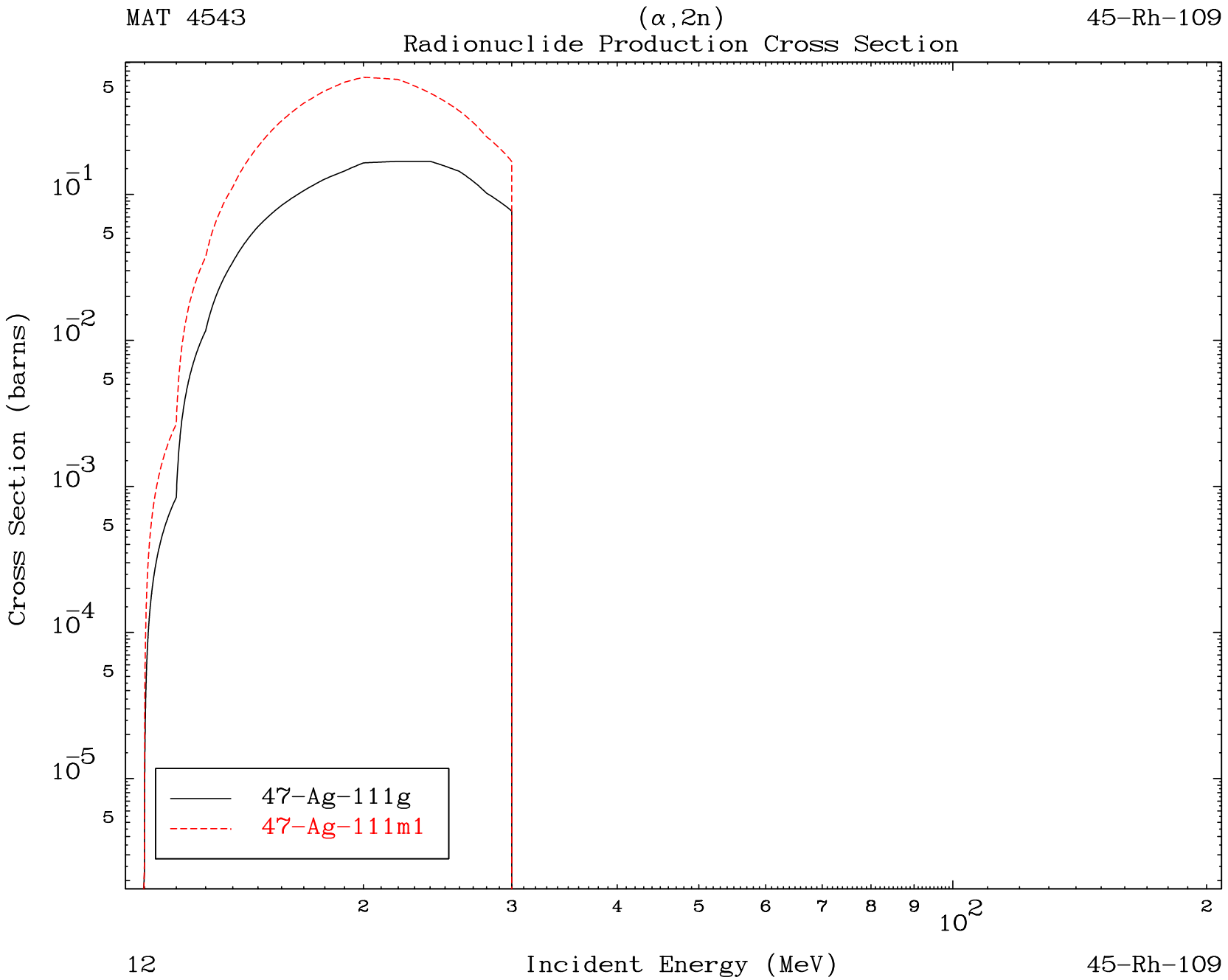

MAT 4543
(α,d) Levels
45-Rh-109
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
7
45-Rh-109

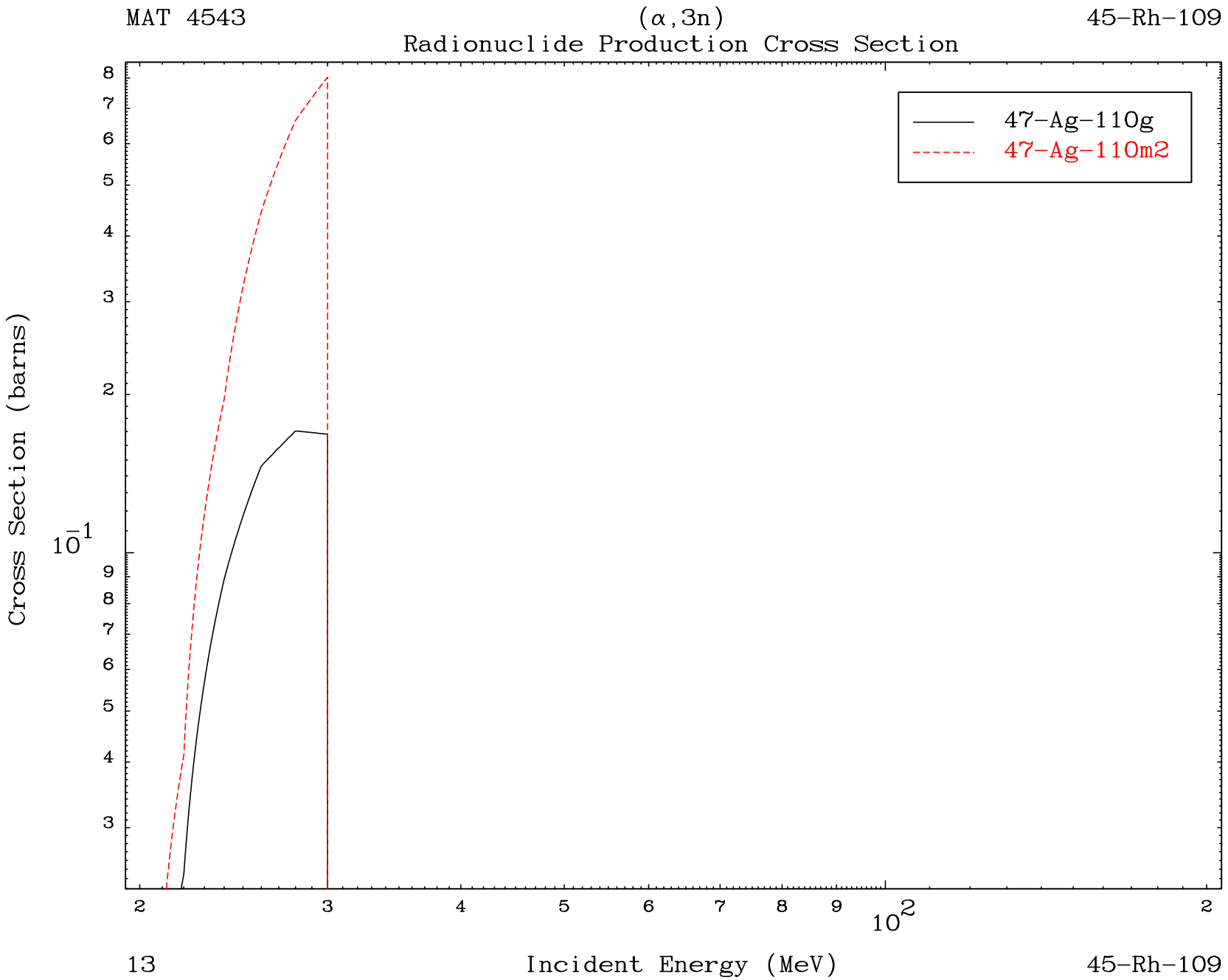

MAT 4543
(α,t) Levels
45-Rh-109
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
Incident Energy (MeV)
8
45-Rh-109

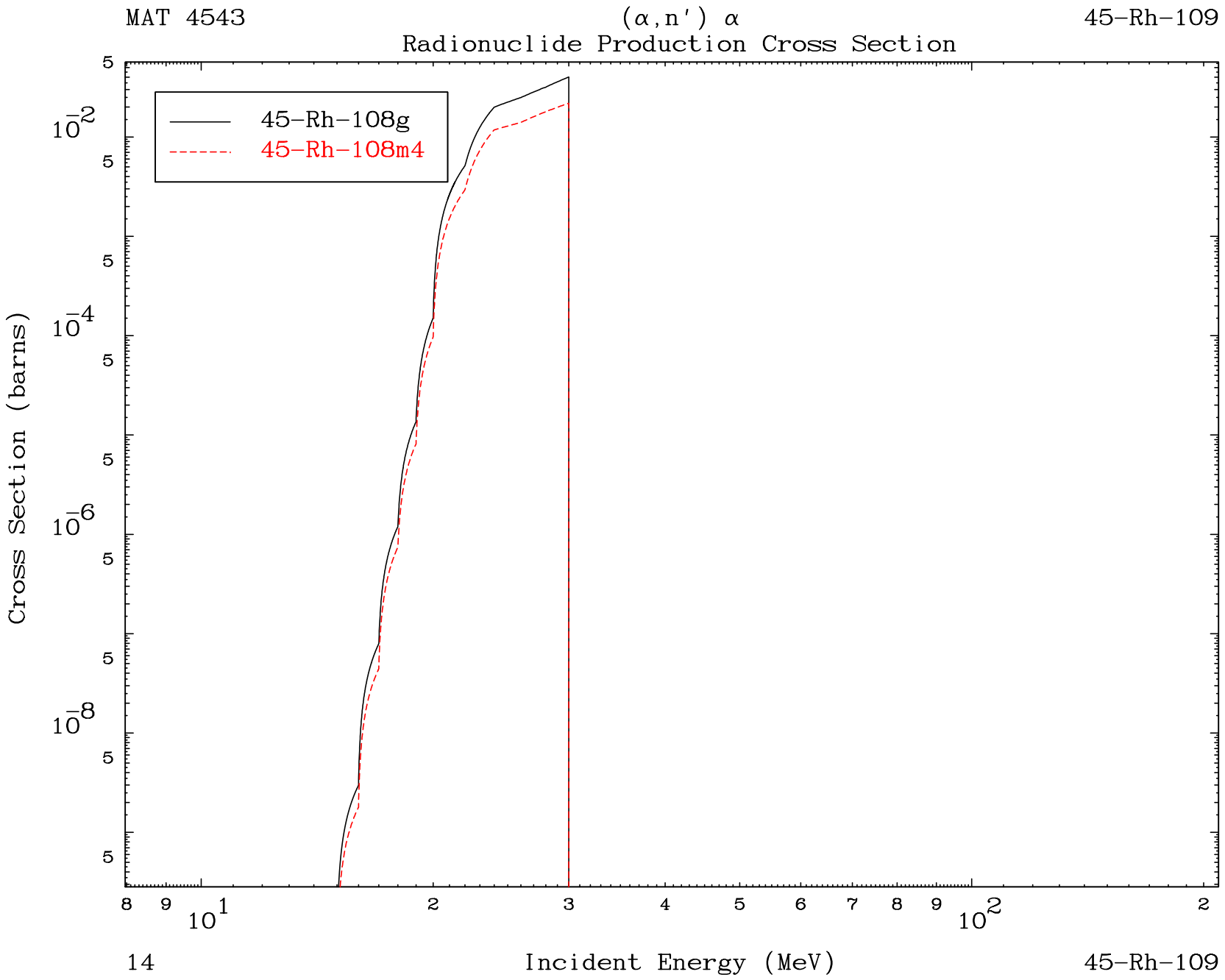

MAT 4543
(α,He3) Levels
45-Rh-109
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
45-Rh-109

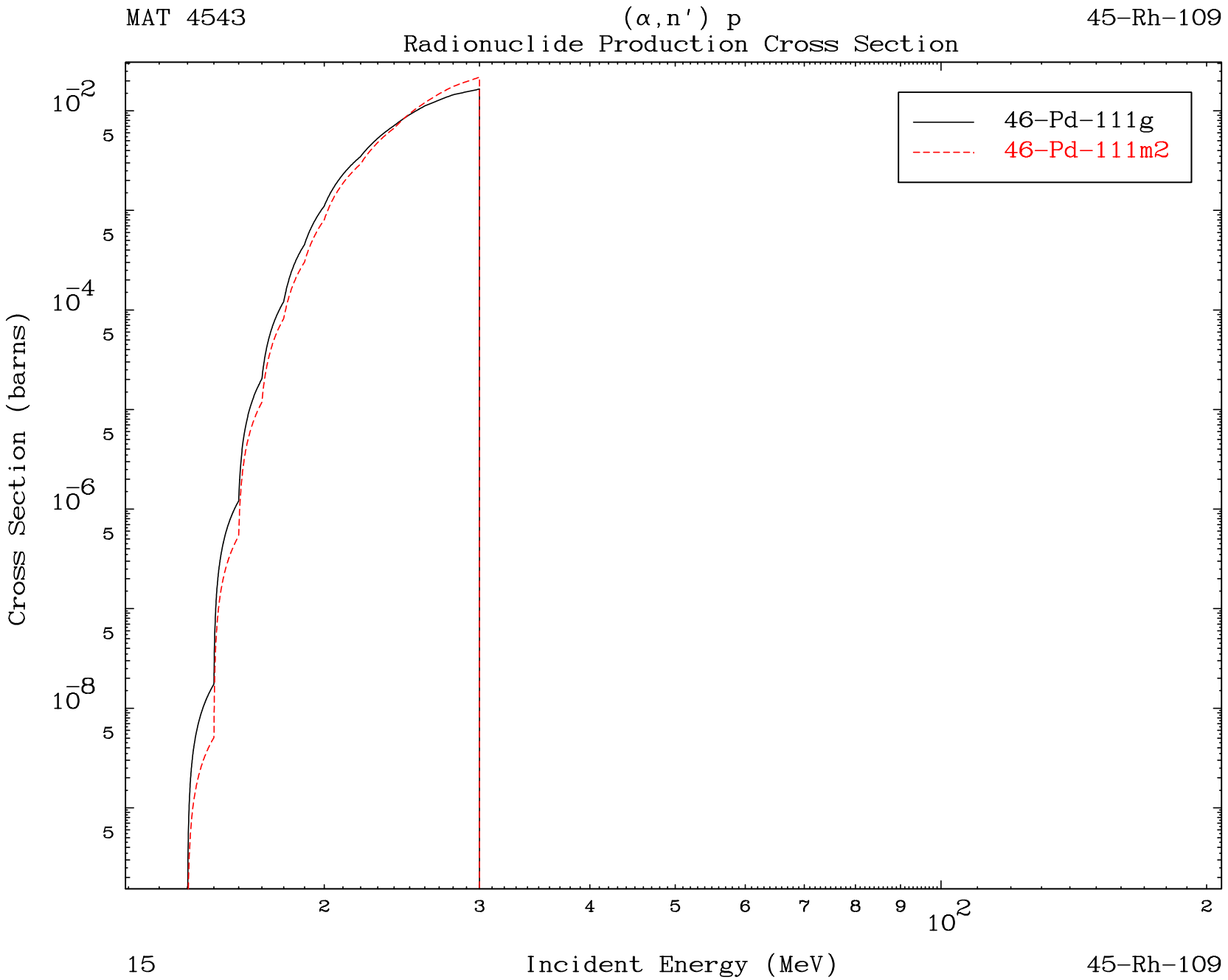

MAT 4543
(α,α) Levels
45-Rh-109
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
45-Rh-109

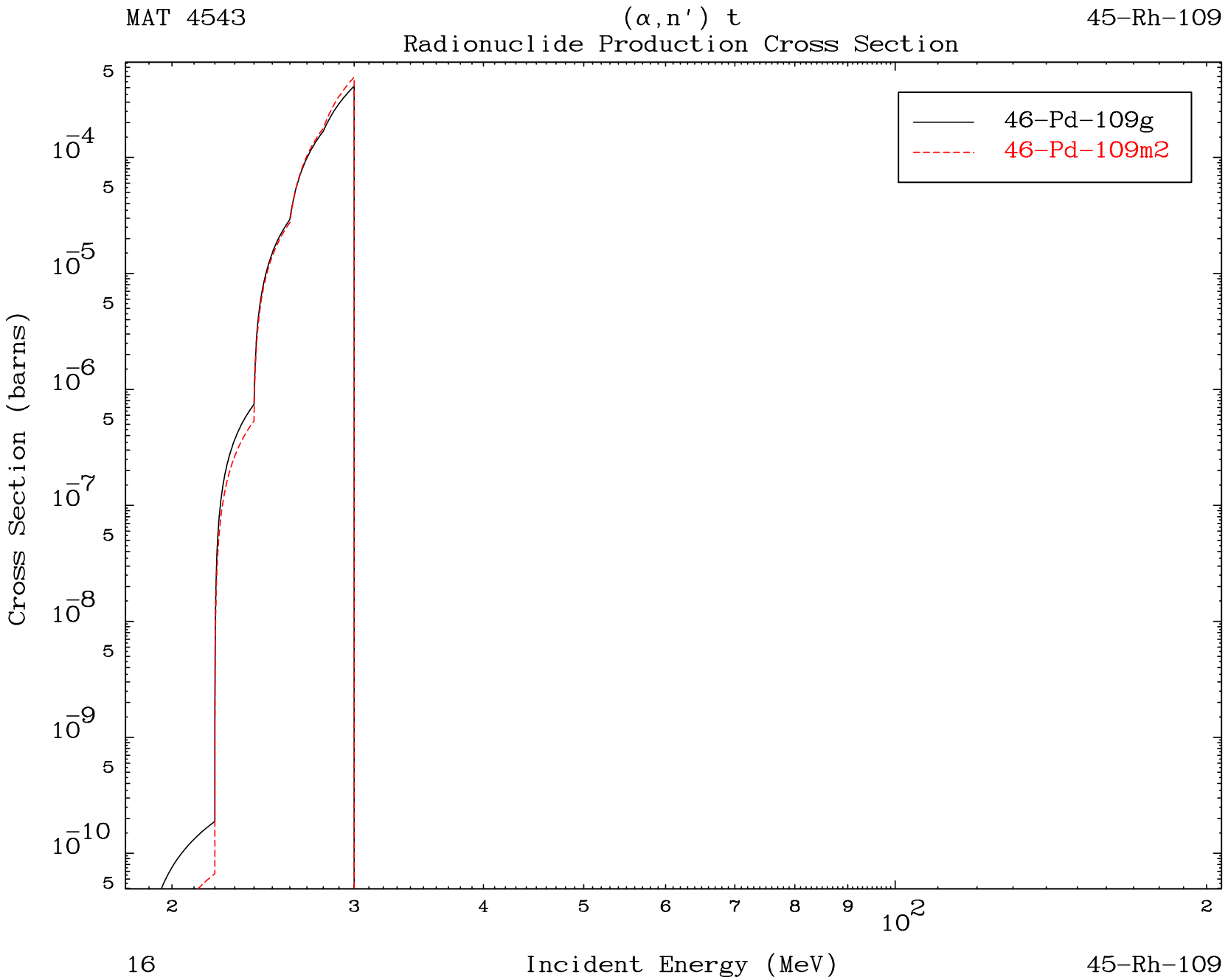

MAT 4543
(α,2n) d
45-Rh-109
Radionuclide Production Cross Section
46-Pd-109g
46-Pd-109m2
Cross Section (barns)
10-6
5
10-7
5
10-8
5
10-9
5
10-10
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
45-Rh-109

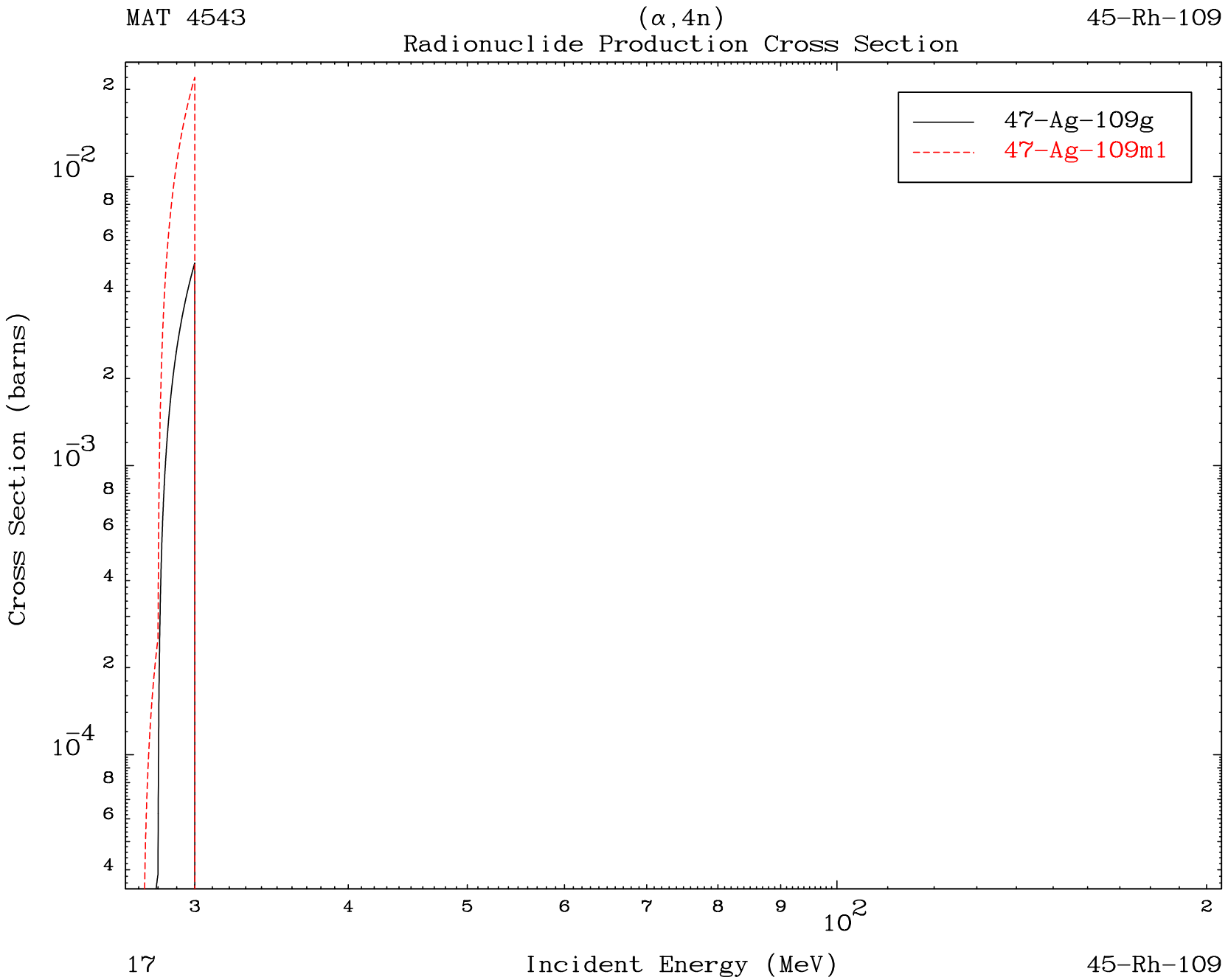

MAT 4543
(α,2n)
45-Rh-109
Radionuclide Production Cross Section
Cross Section (barns)
10-1
10-2
10-3
10-4
10-5
5
47-Ag-111g
47-Ag-111m1
2
3
4
5
6
7
8
9
10+2
2
12
Incident Energy (MeV)
45-Rh-109

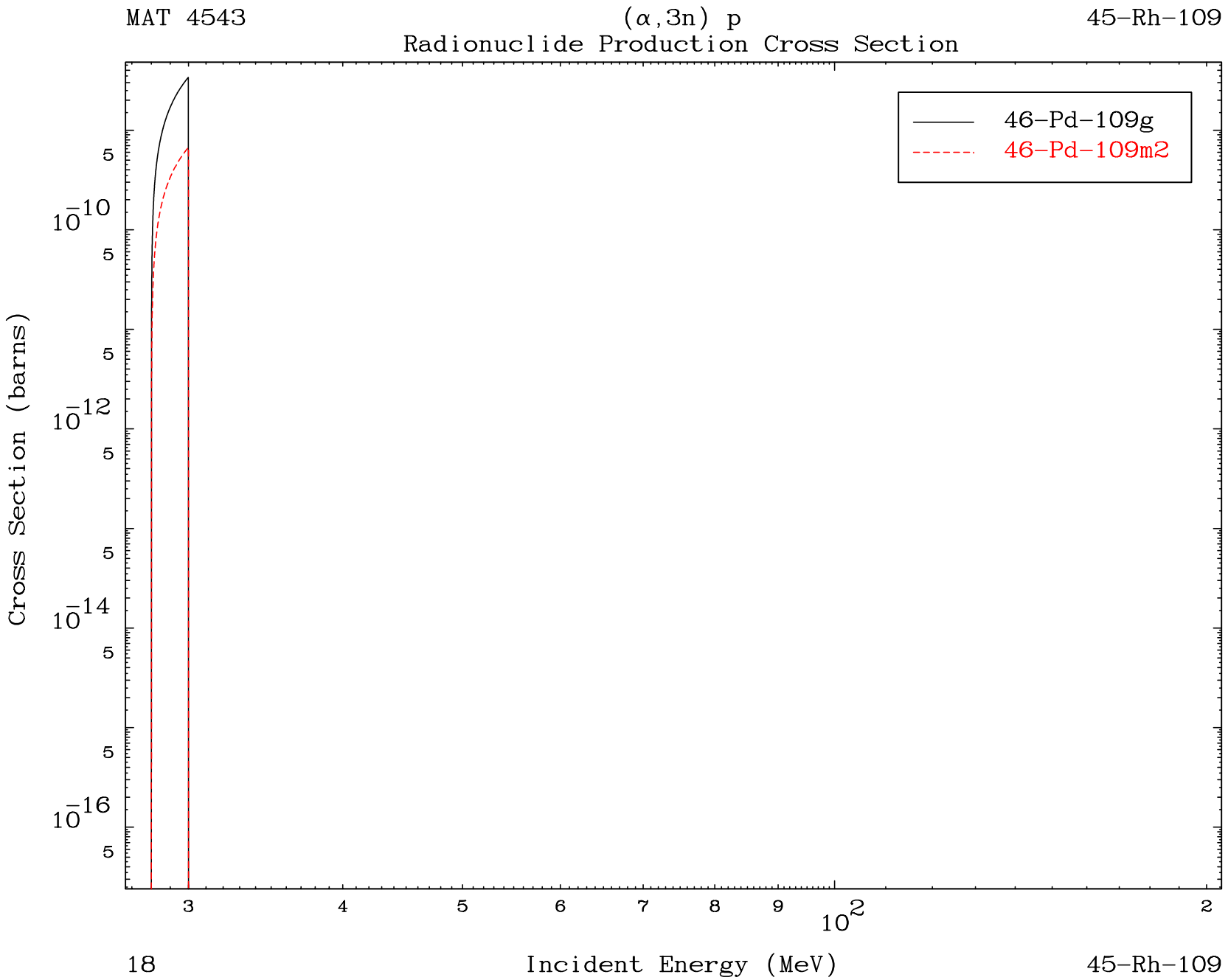

MAT 4543
(α,3n)
45-Rh-109
Radionuclide Production Cross Section
47-Ag-110g
47-Ag-110m2
Cross Section (barns)
10-1
8
7
6
5
4
3
2
9
8
7
6
5
4
3
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
45-Rh-109

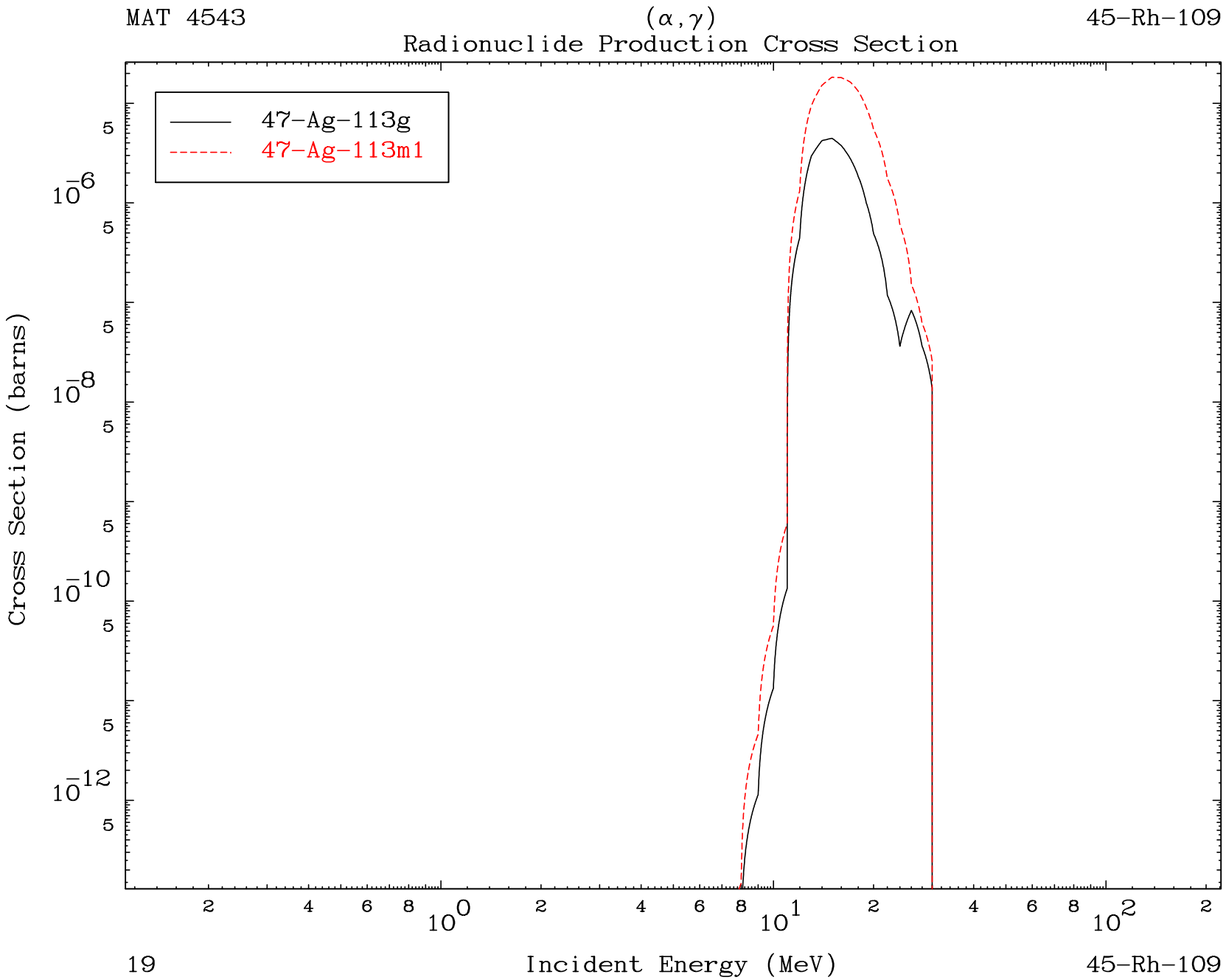

MAT 4543
(α,n') α
45-Rh-109
Radionuclide Production Cross Section
45-Rh-108g
45-Rh-108m4
Cross Section (barns)
Incident Energy (MeV)
14
45-Rh-109

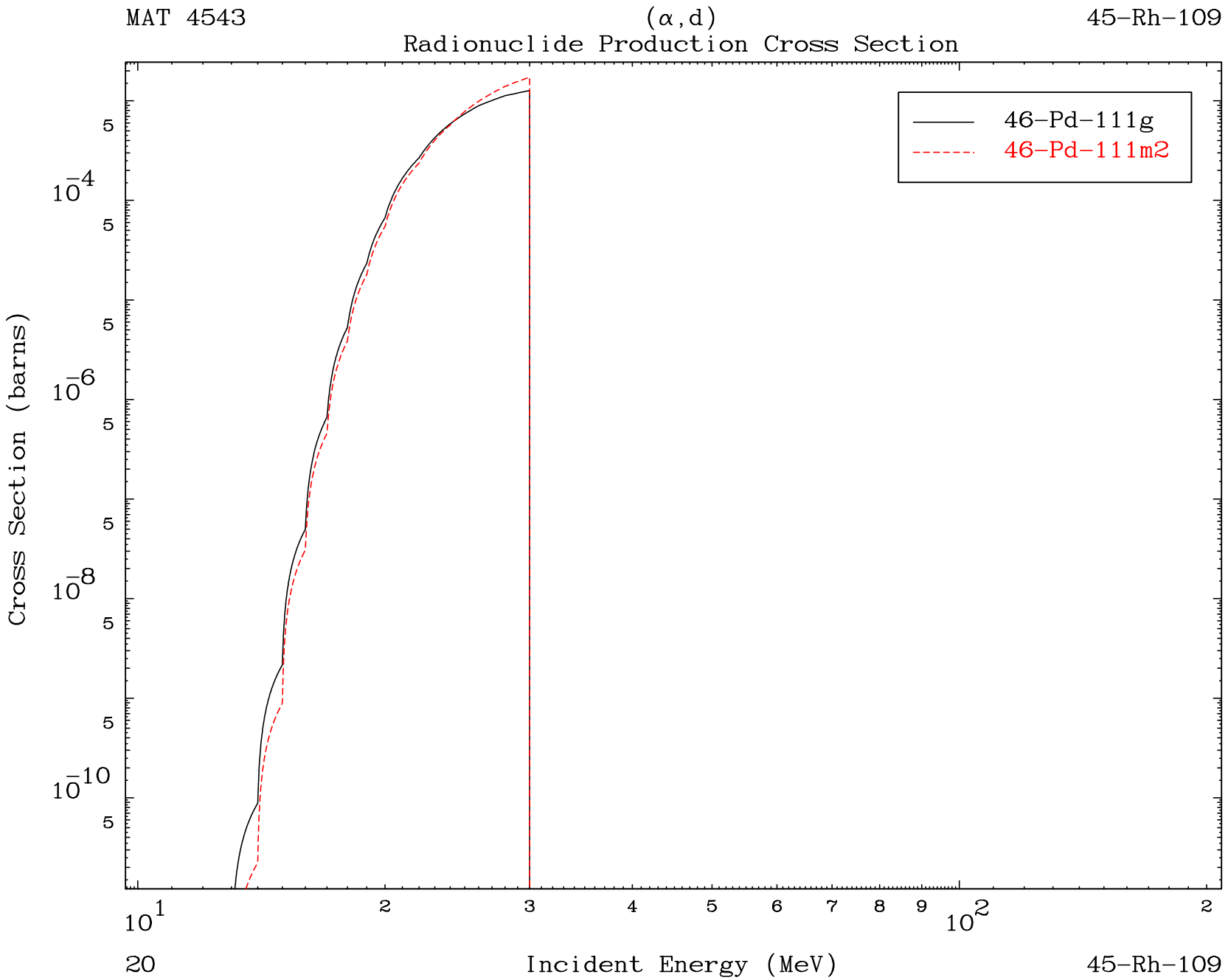

MAT 4543
(α,n') p
45-Rh-109
Radionuclide Production Cross Section
46-Pd-111g
46-Pd-111m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
45-Rh-109

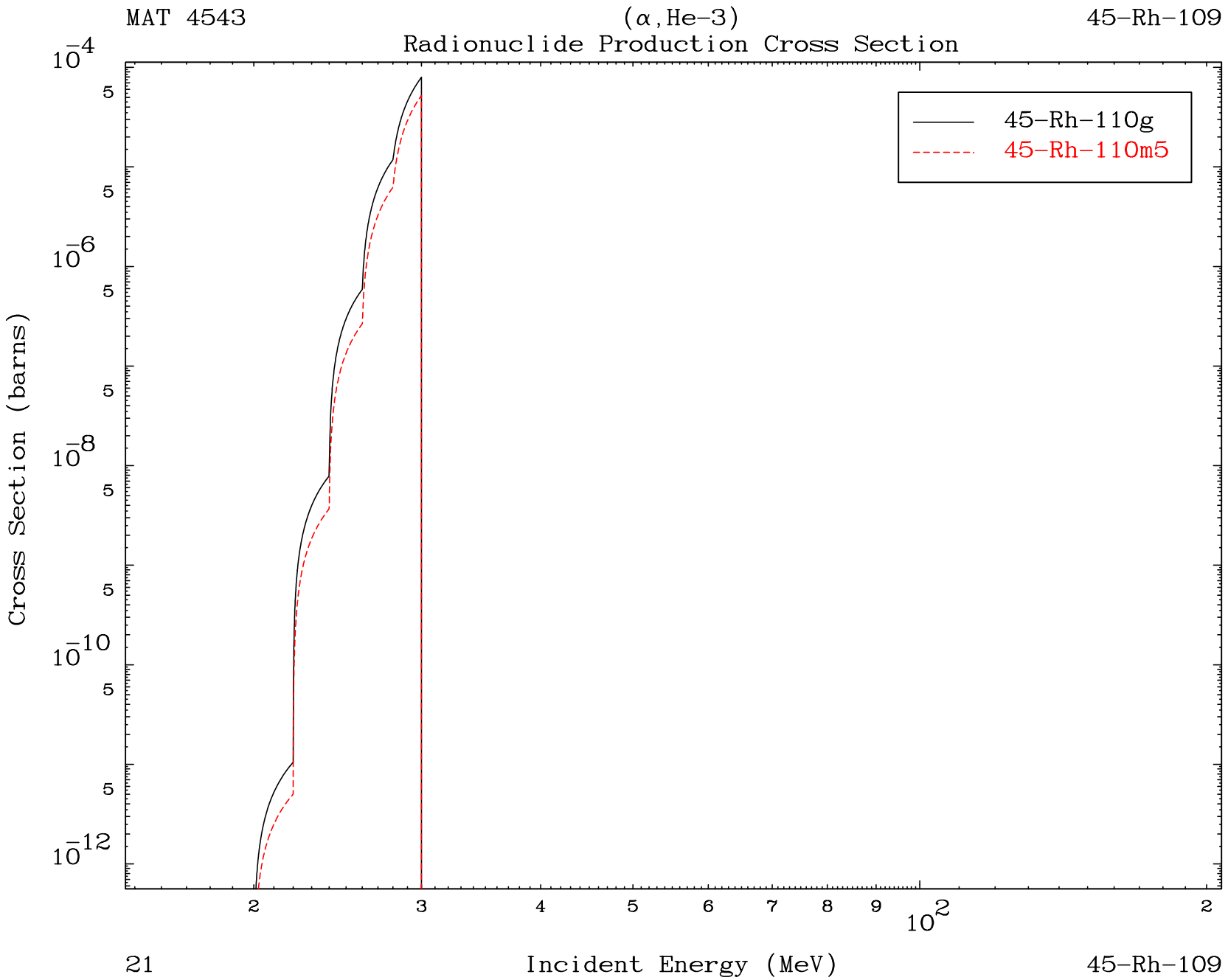

MAT 4543
(α,n') t
45-Rh-109
Radionuclide Production Cross Section
46-Pd-109g
46-Pd-109m2
Cross Section (barns)
Incident Energy (MeV)
16
45-Rh-109


MAT 4543
(α,4n)
45-Rh-109
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
Incident Energy (MeV)
17
45-Rh-109


MAT 4543
(α,3n) p
45-Rh-109
Radionuclide Production Cross Section
46-Pd-109g
46-Pd-109m2
Cross Section (barns)
10-10
10-12
10-14
10-16
5
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
45-Rh-109


MAT 4543
(α,γ)
45-Rh-109
Radionuclide Production Cross Section
47-Ag-113g
47-Ag-113m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
19
45-Rh-109


MAT 4543
(α,d)
45-Rh-109
Radionuclide Production Cross Section
46-Pd-111g
46-Pd-111m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
20
45-Rh-109


MAT 4543
(α,He-3)
45-Rh-109
Radionuclide Production Cross Section
45-Rh-110g
45-Rh-110m5
Cross Section (barns)
10-4
10-6
10-8
10-10
10-12
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
21
45-Rh-109