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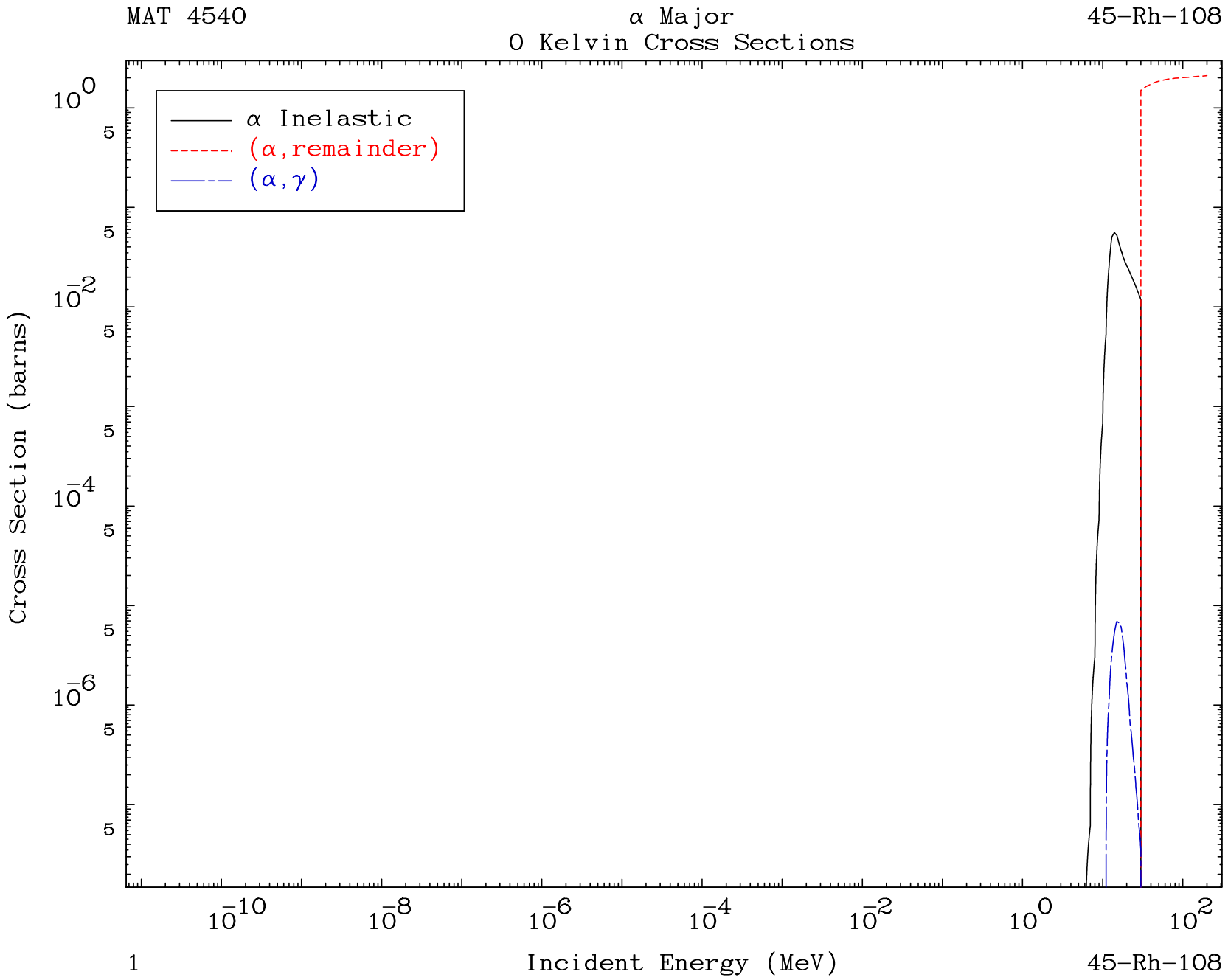
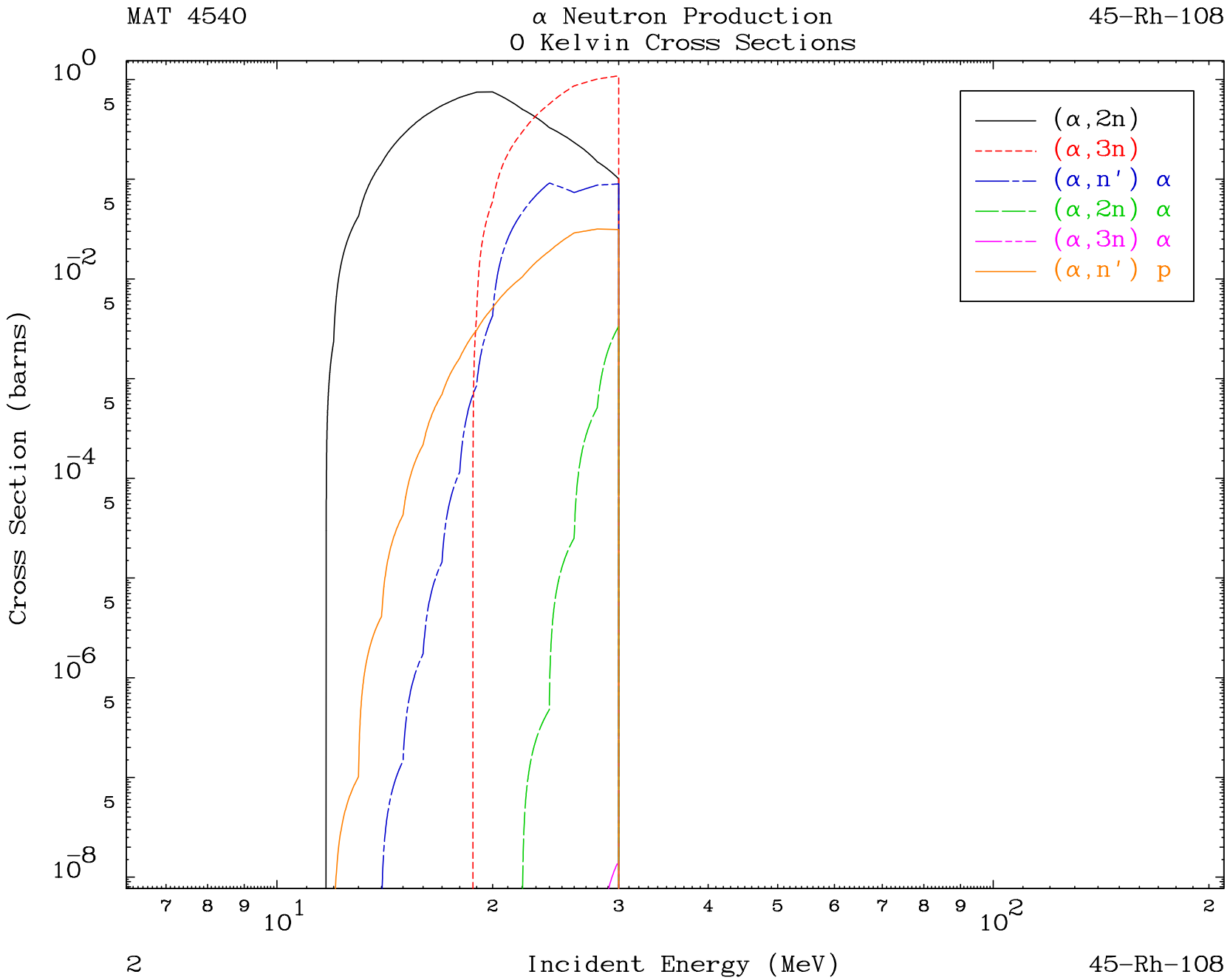
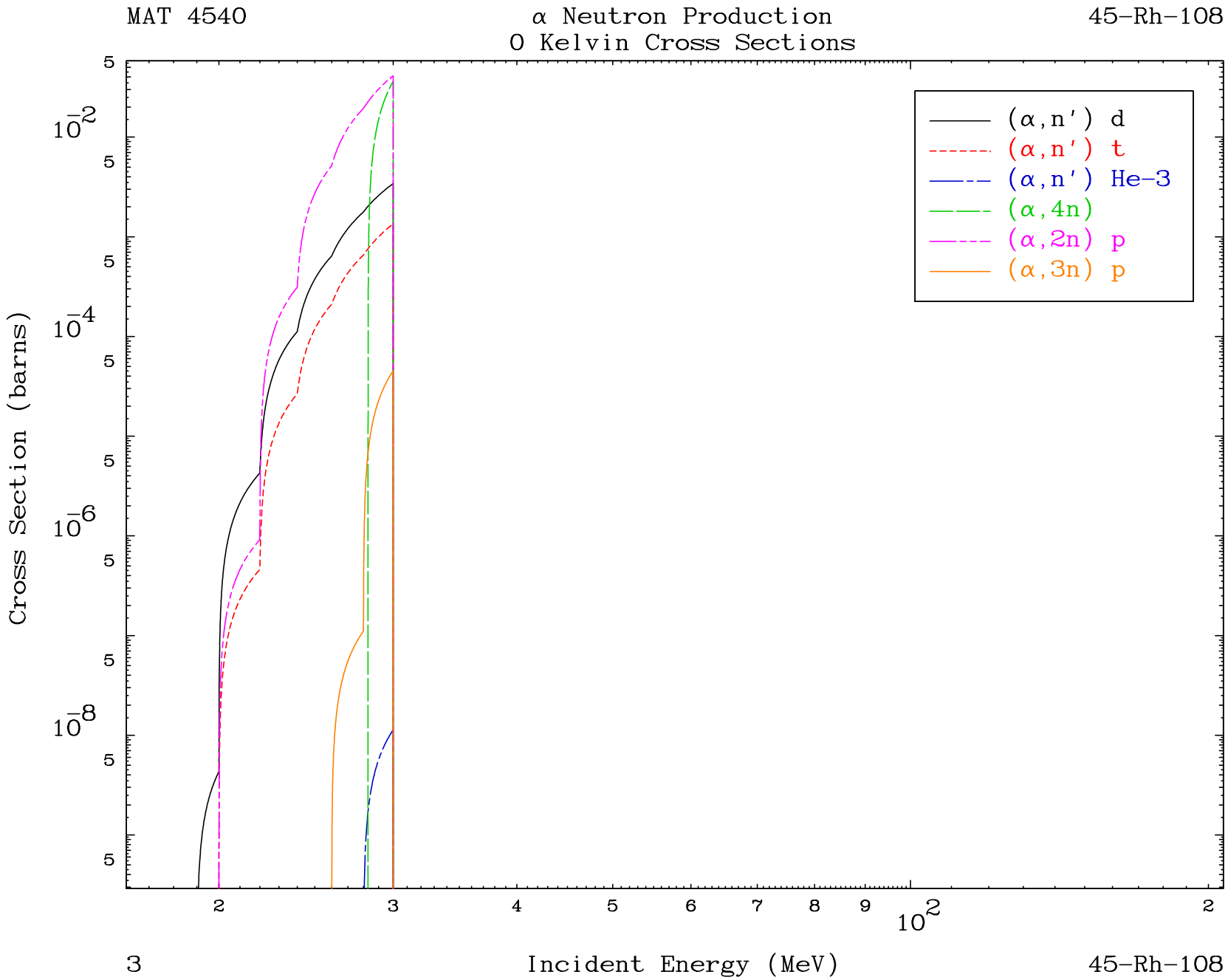
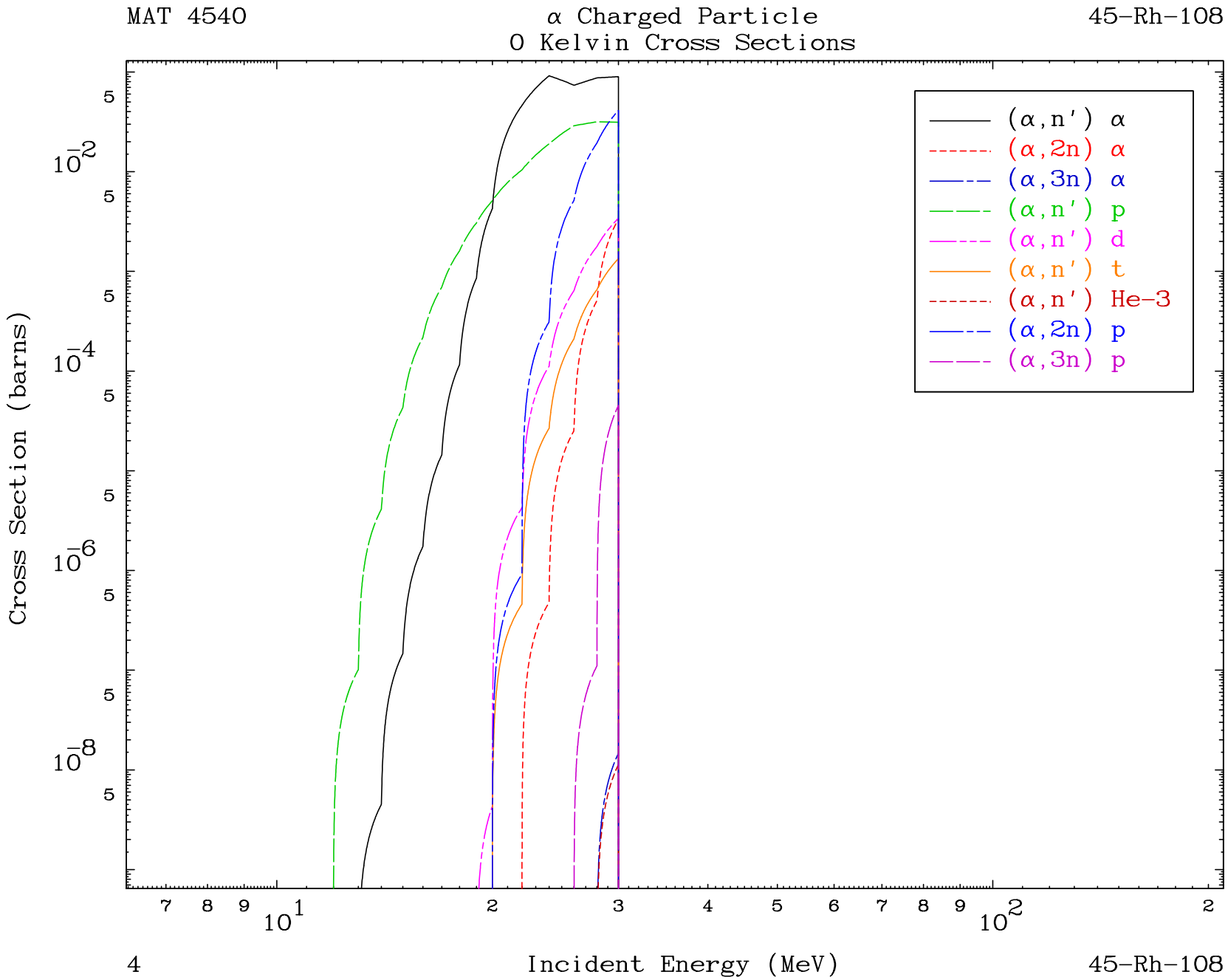
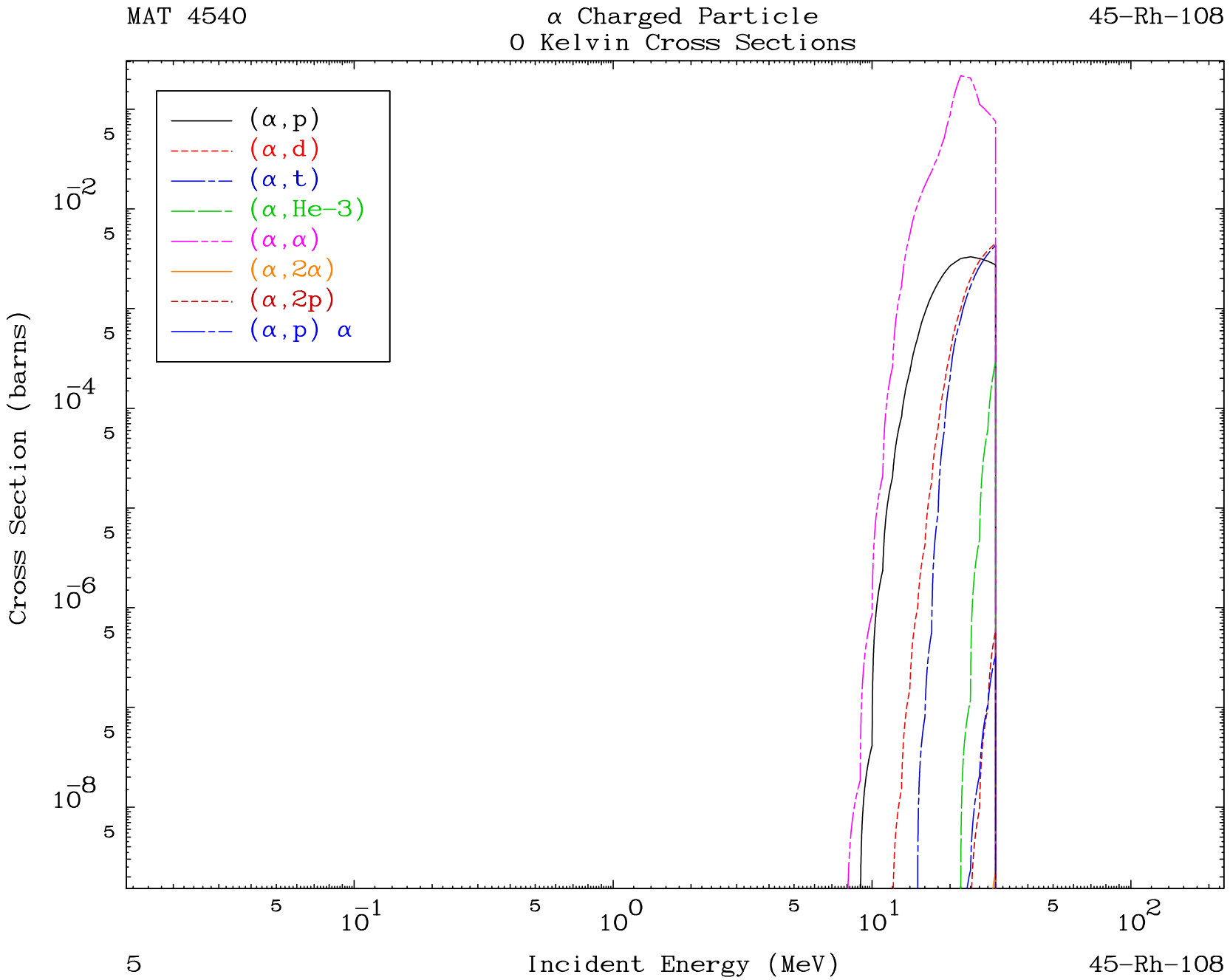
Press Mouse Button to Start

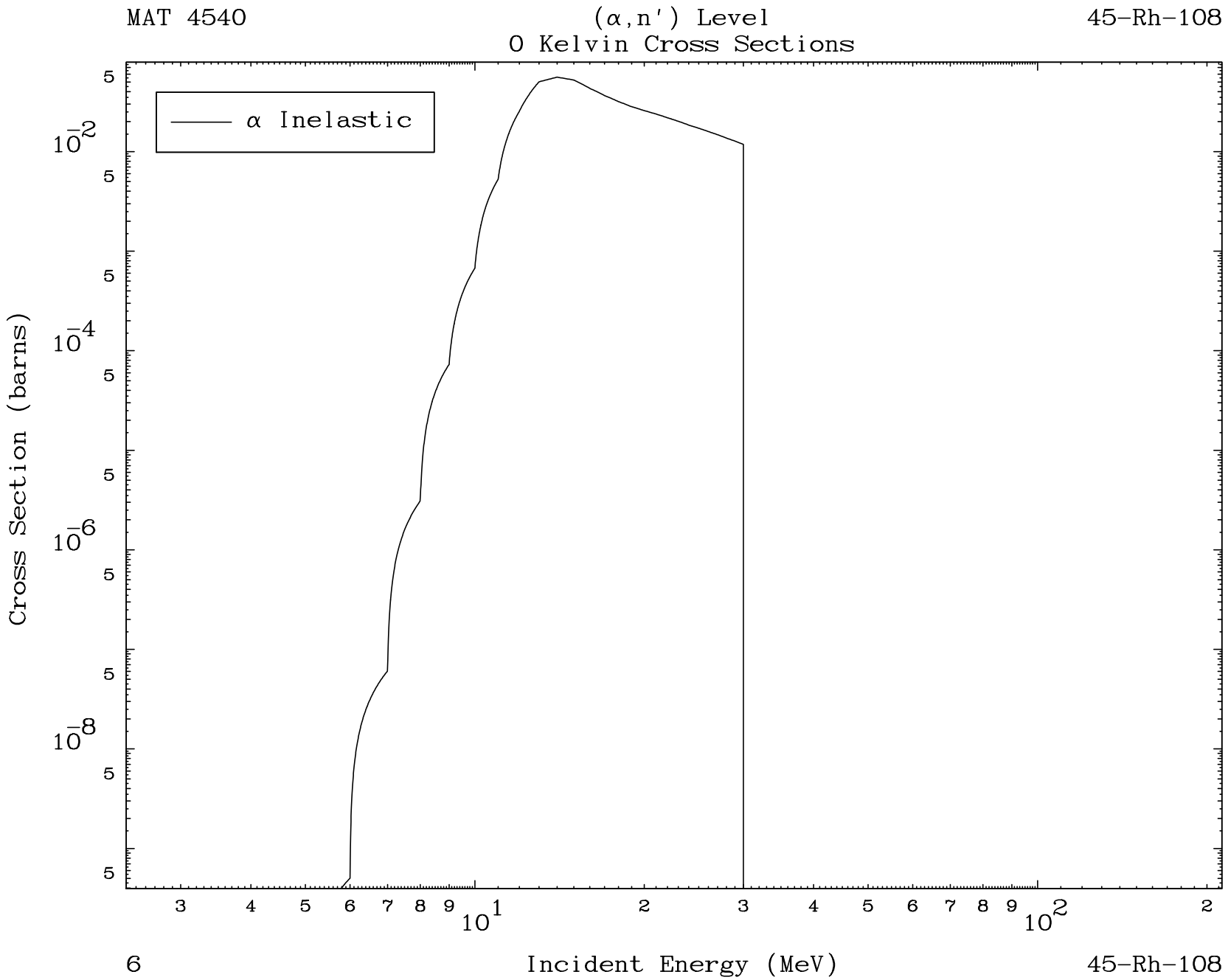

MAT 4540
α Major
45-Rh-108
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
1
45-Rh-108

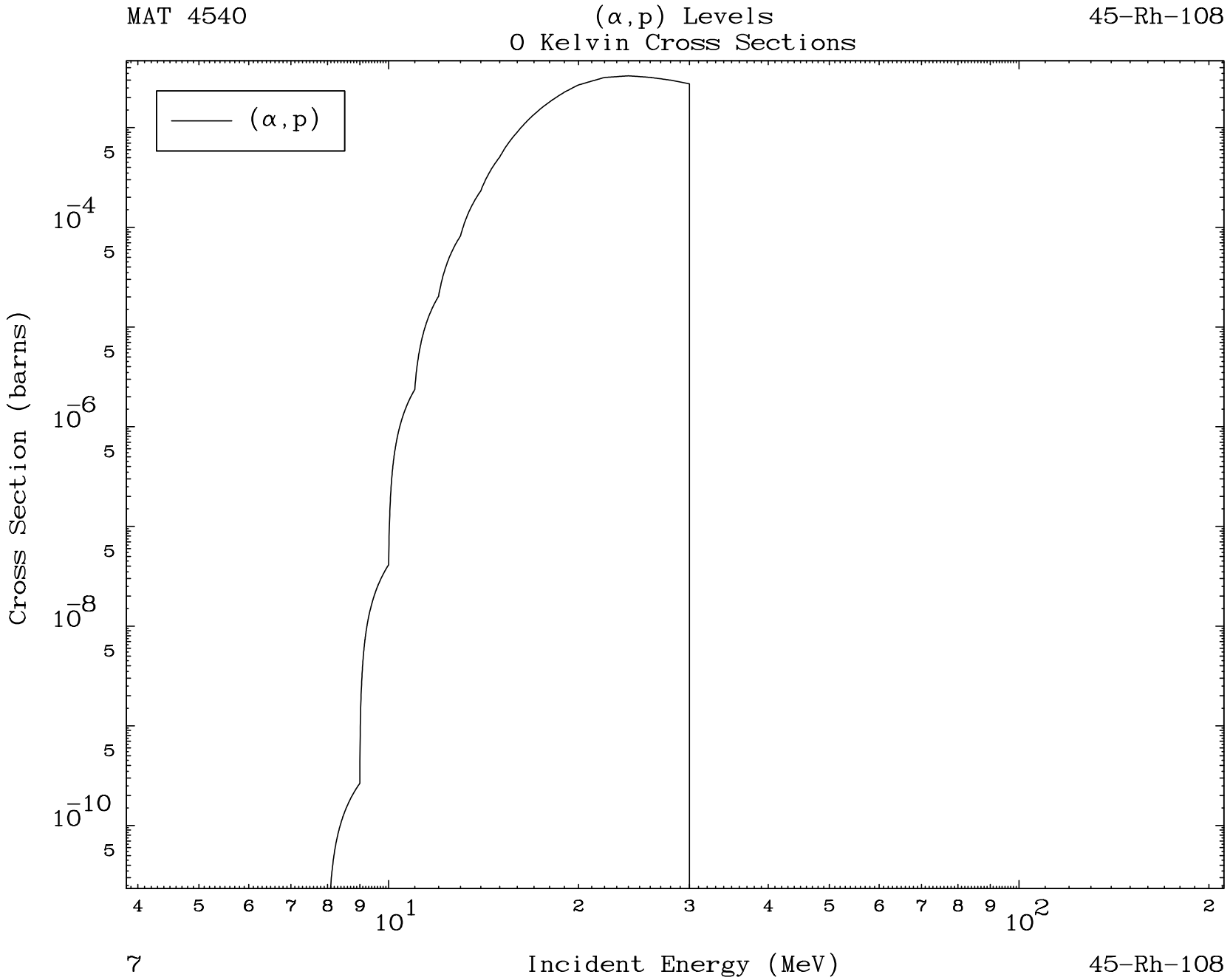

MAT 4540
α Neutron Production
0 Kelvin Cross Sections
45-Rh-108
Cross Section (barns)
Incident Energy (MeV)
45-Rh-108
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p

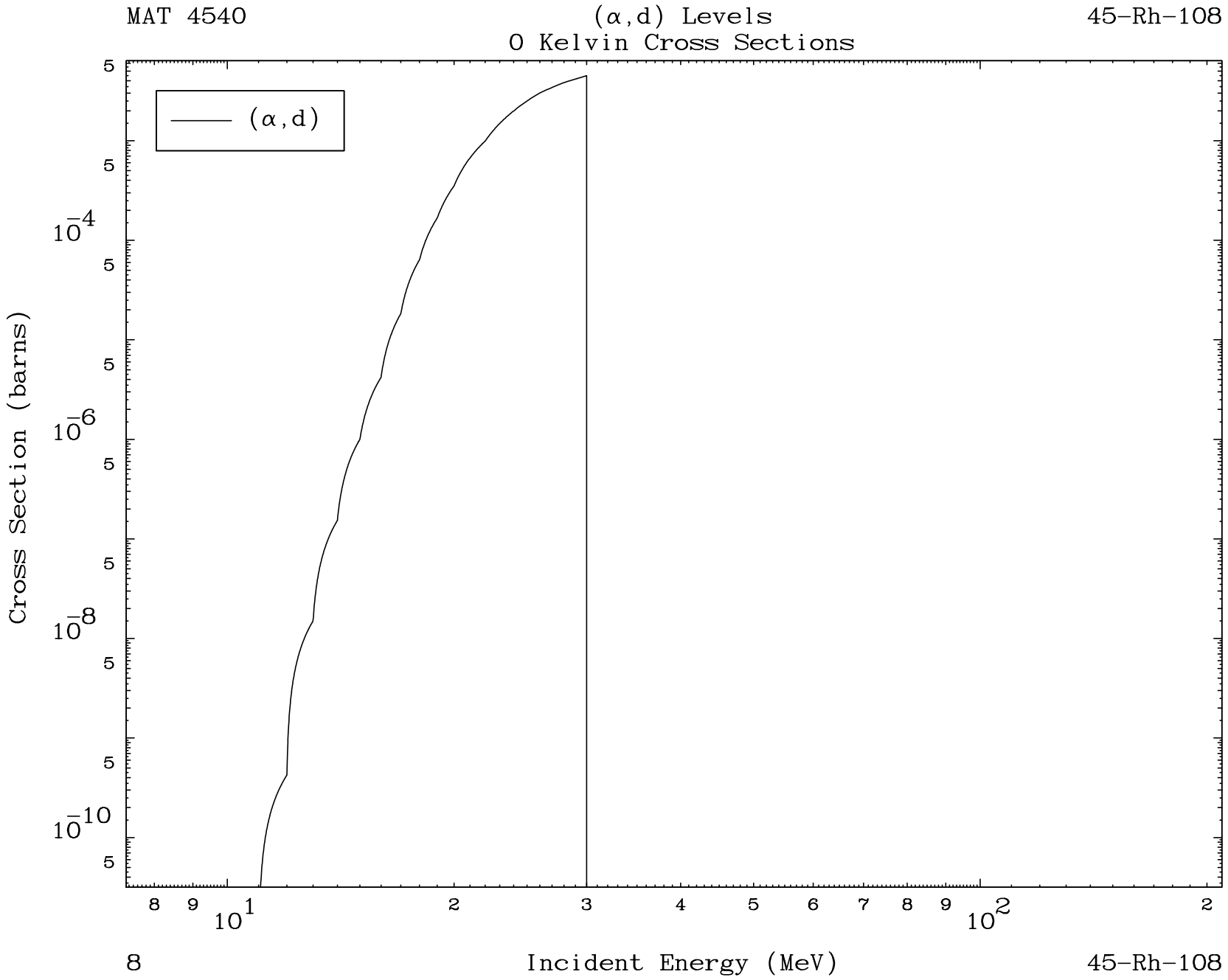

MAT 4540
α Neutron Production
0 Kelvin Cross Sections
45-Rh-108
(α,n') d
(α,n') t
(α,n') He-3
(α,4n)
(α,2n) p
(α,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
45-Rh-108

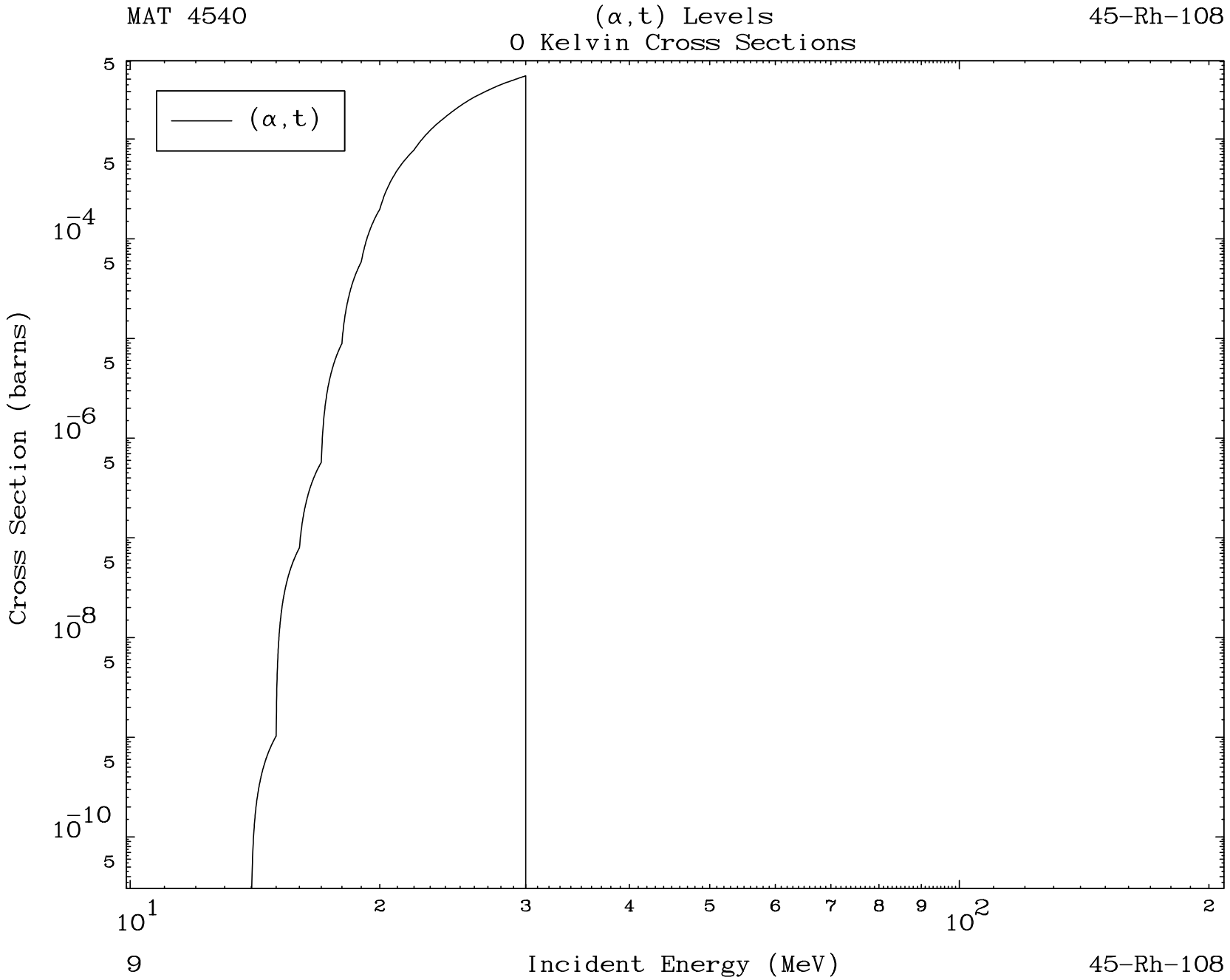

MAT 4540
α Charged Particle
0 Kelvin Cross Sections
45-Rh-108
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,n') He-3
(α,2n) p
(α,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
45-Rh-108

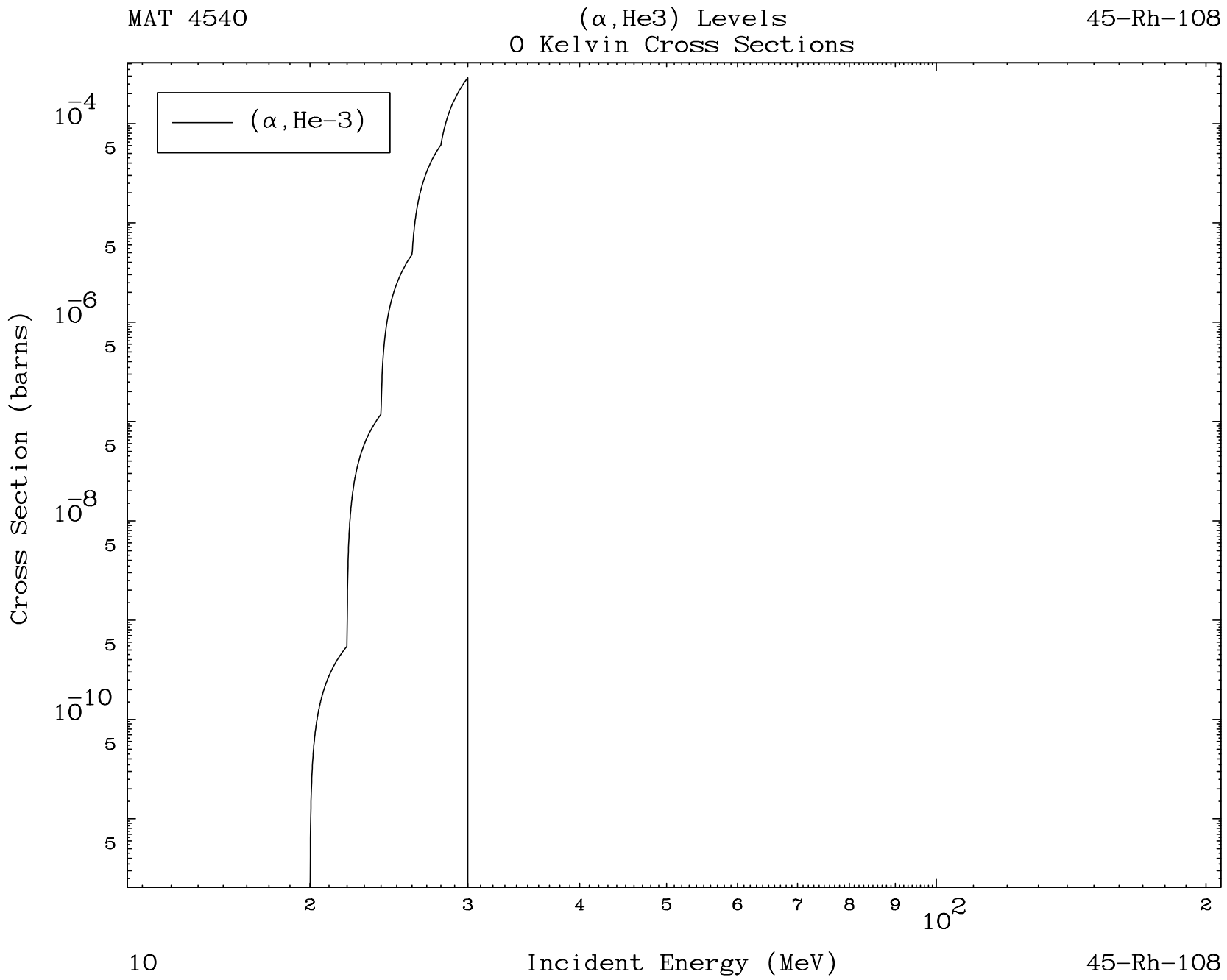

MAT 4540
α Charged Particle
0 Kelvin Cross Sections
45-Rh-108
(α,p)
(α,d)
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
Cross Section (barns)
Incident Energy (MeV)
45-Rh-108

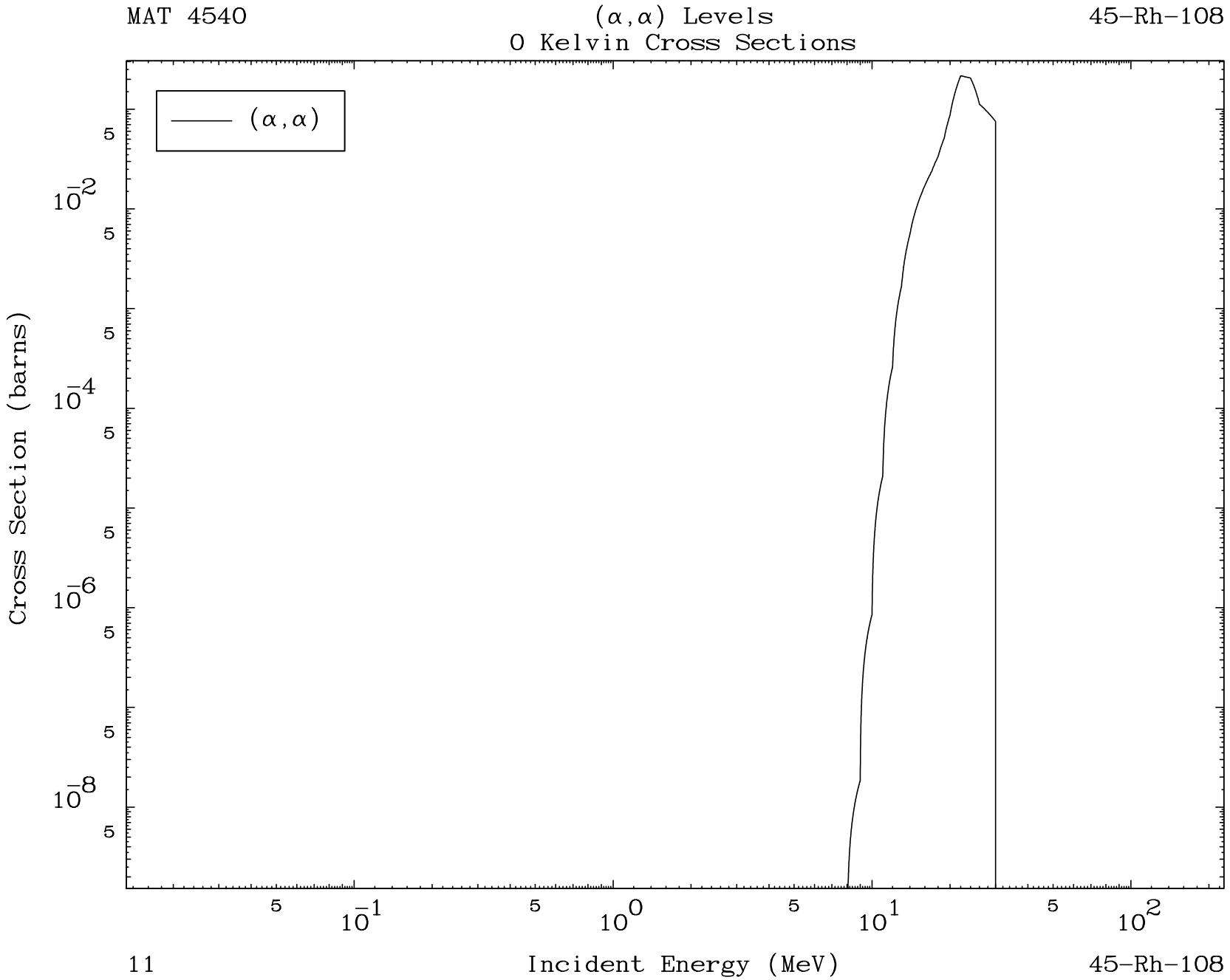

MAT 4540
(α,n') Level
45-Rh-108
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
45-Rh-108

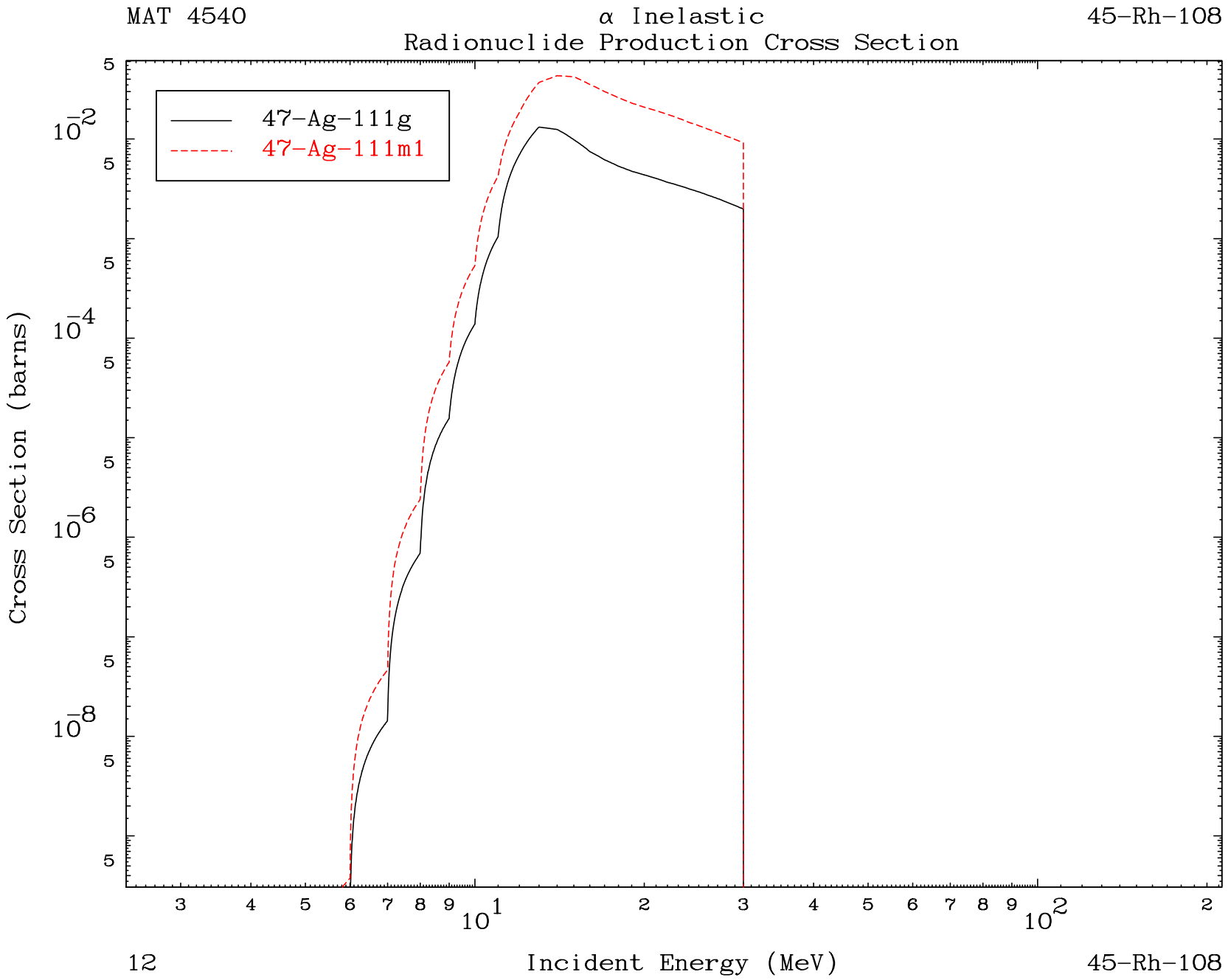

MAT 4540
(α,p) Levels
45-Rh-108
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
45-Rh-108
7

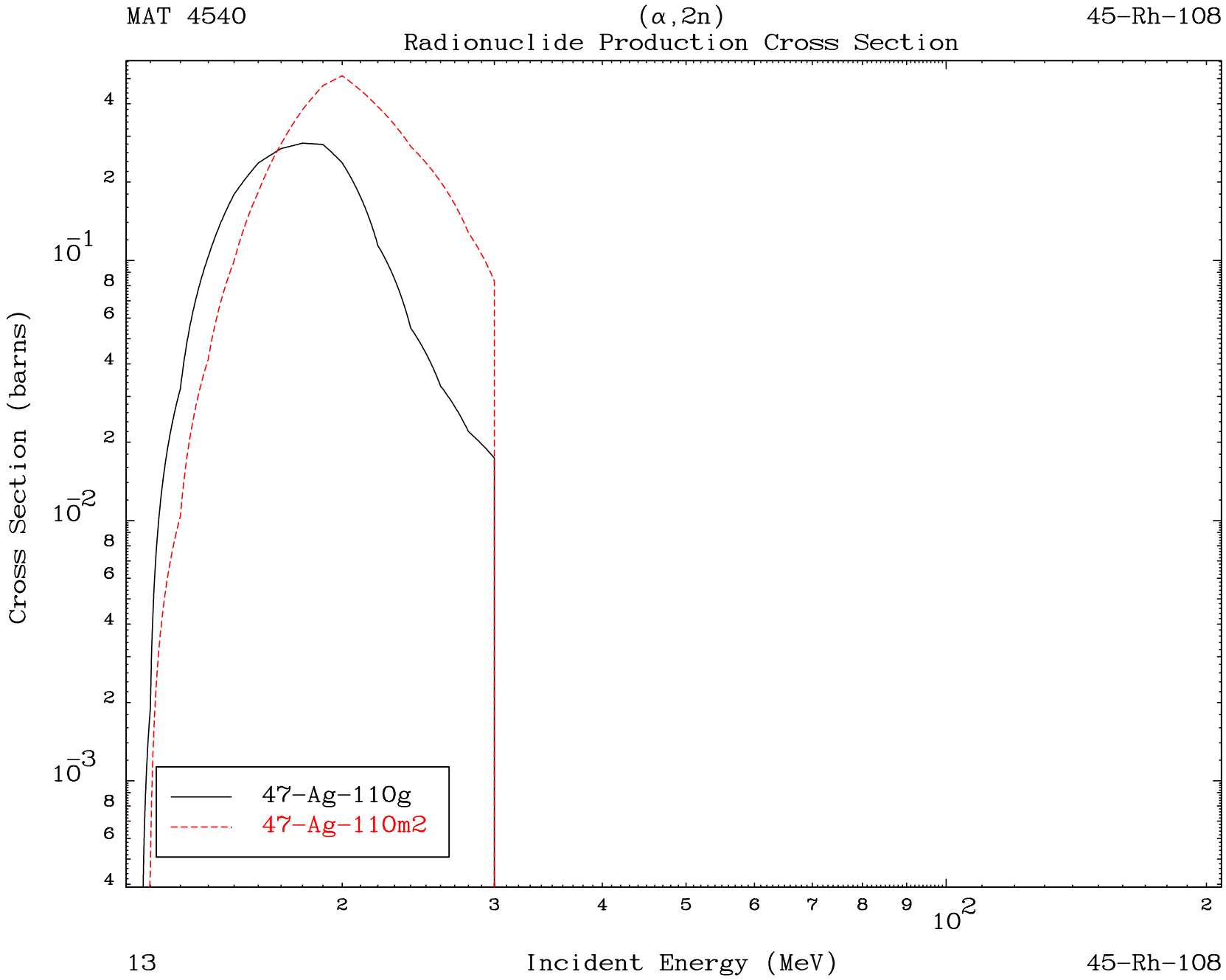

MAT 4540
(α,d) Levels
45-Rh-108
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
Incident Energy (MeV)
45-Rh-108
8

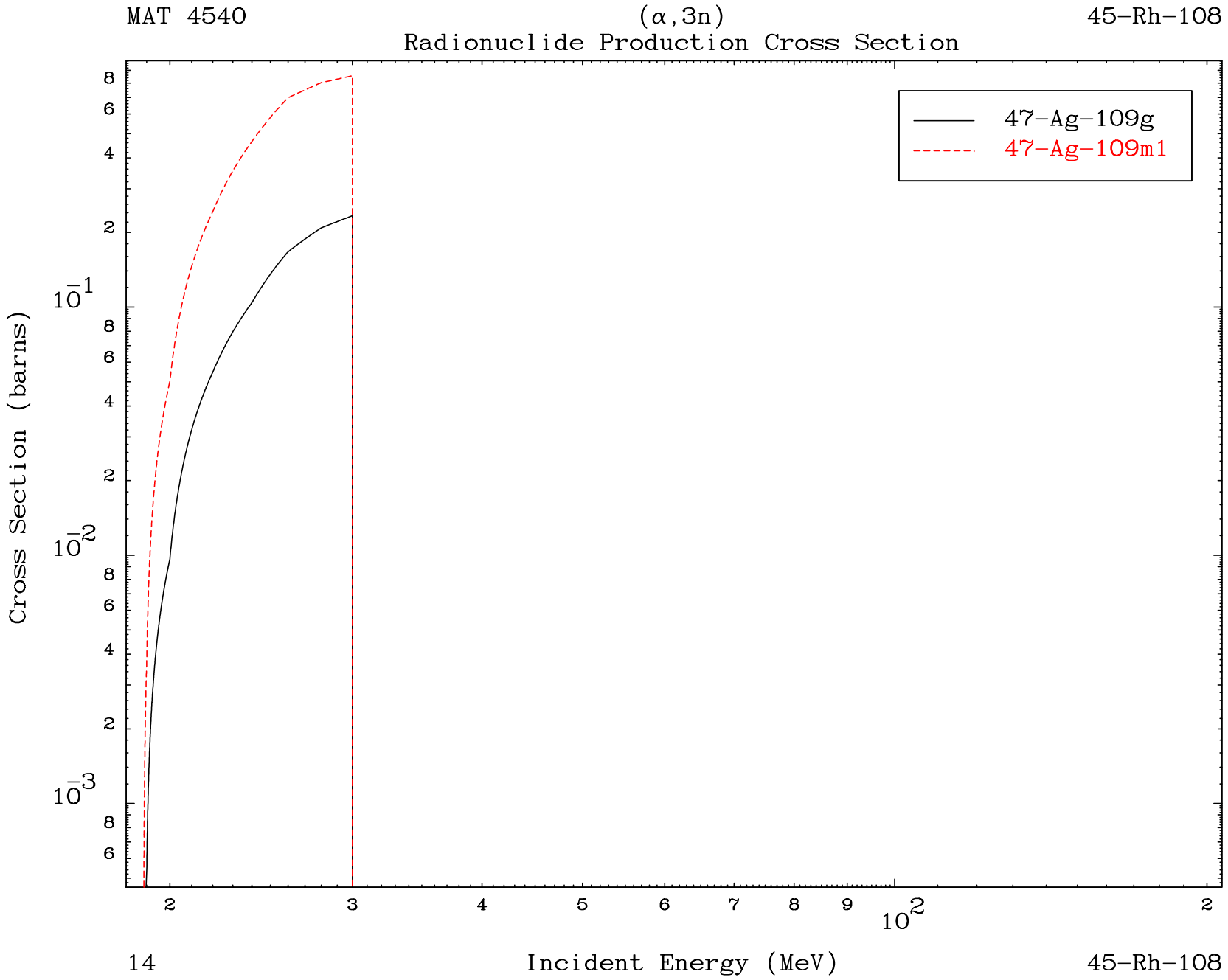

MAT 4540
(α,t) Levels
45-Rh-108
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
45-Rh-108

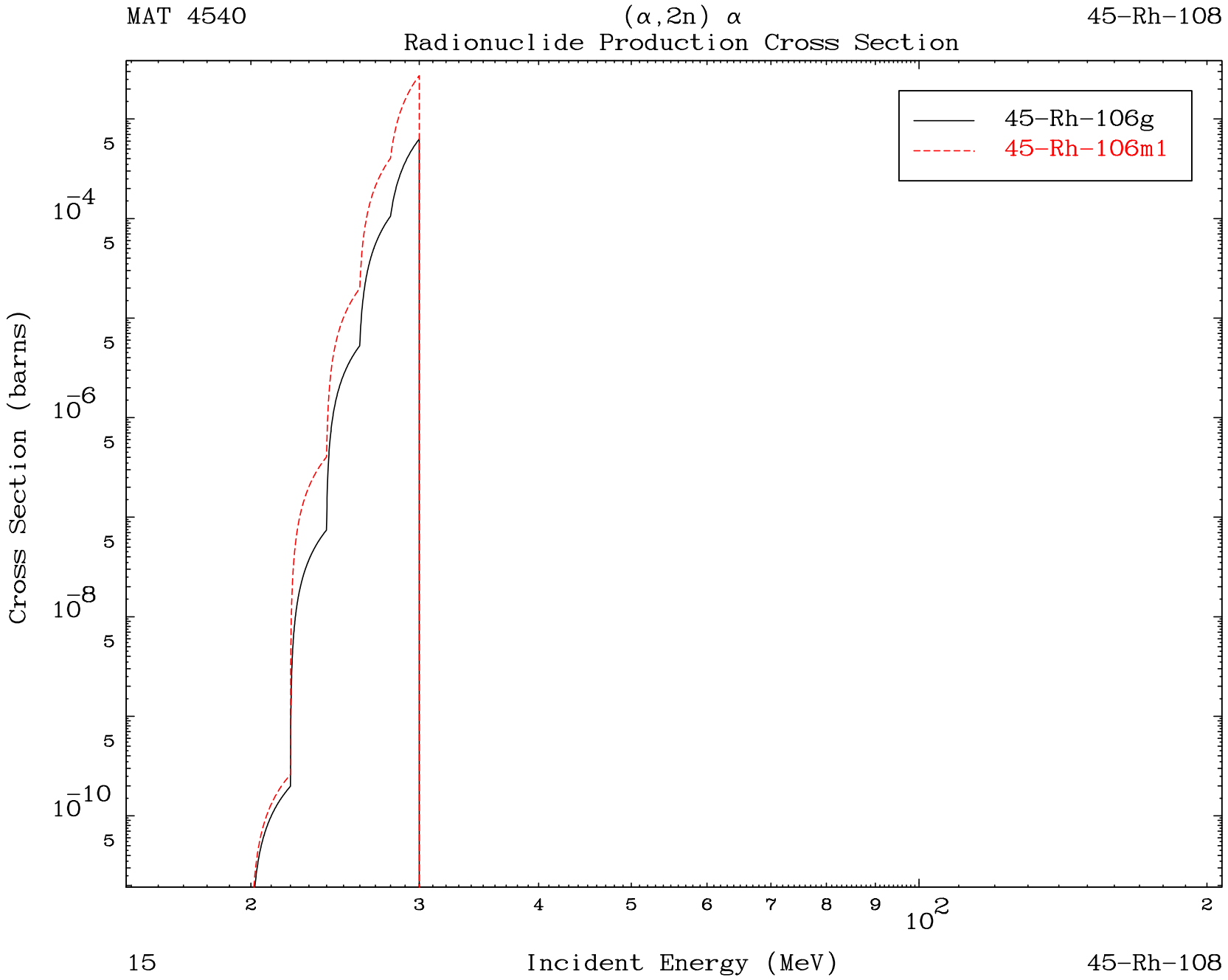

MAT 4540
(α,He3) Levels
45-Rh-108
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
45-Rh-108

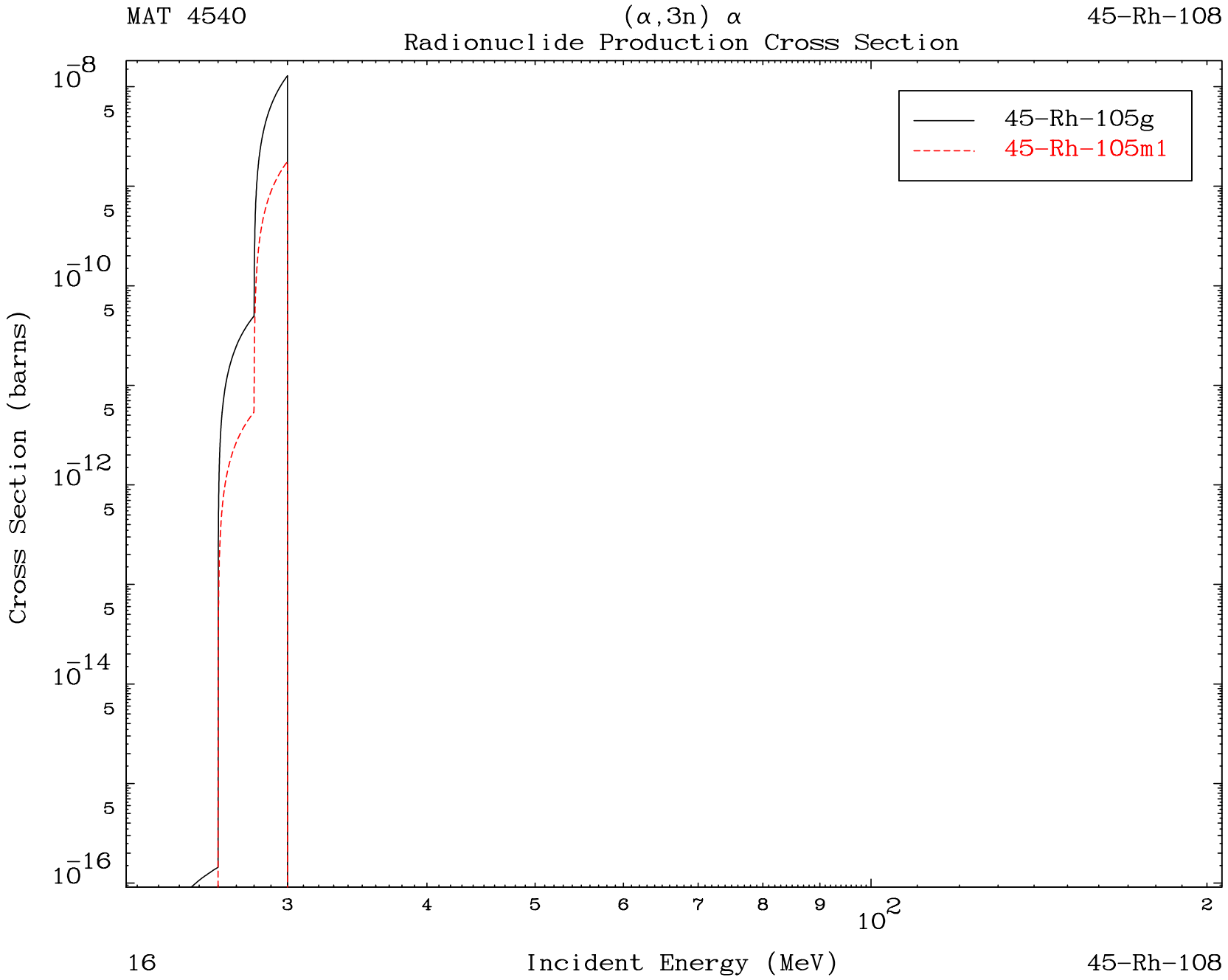

MAT 4540
(α,α) Levels
45-Rh-108
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-1
10^0
10^1
10^2
Incident Energy (MeV)
11
45-Rh-108

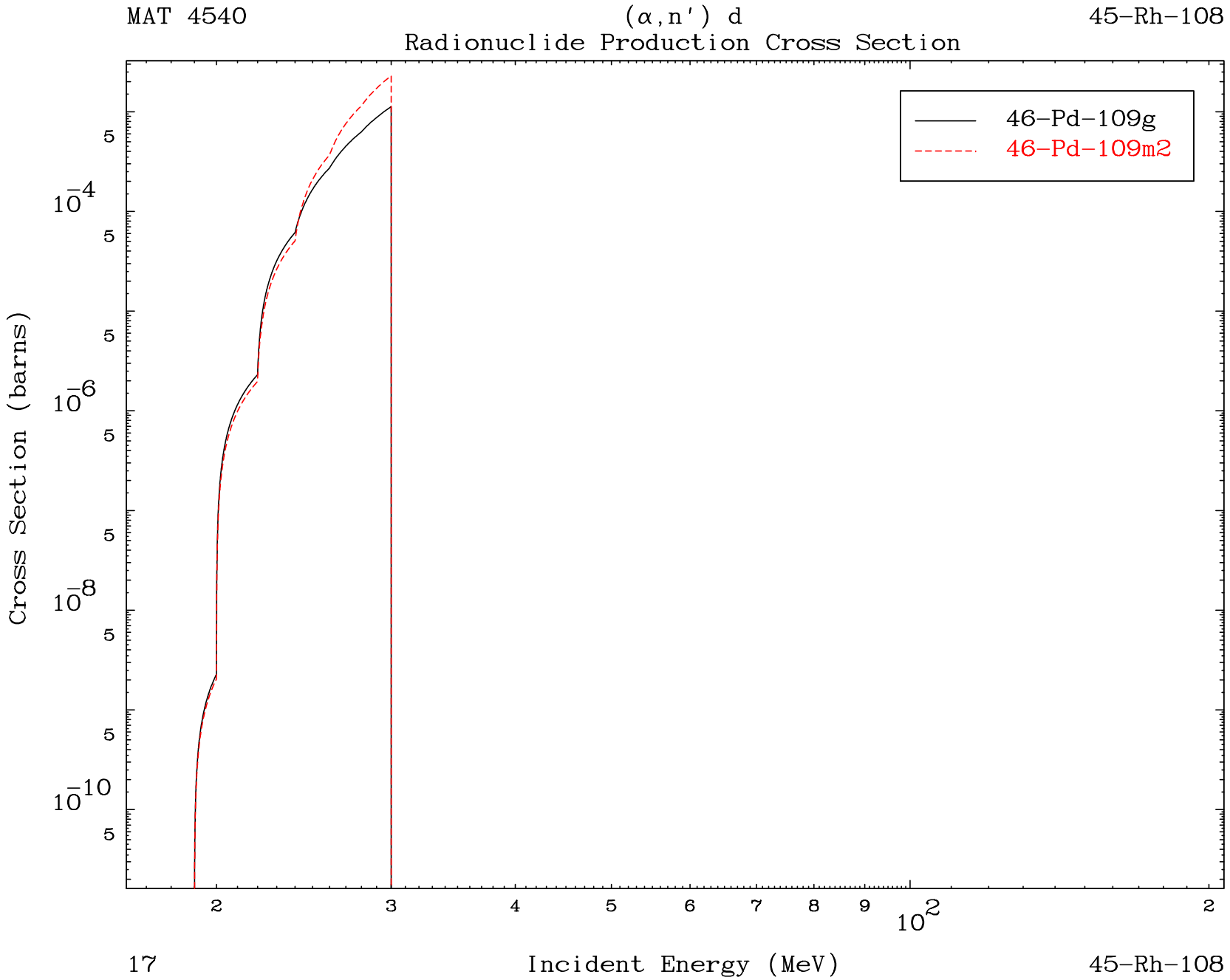

MAT 4540
α Inelastic
45-Rh-108
Radionuclide Production Cross Section
47-Ag-111g
47-Ag-111m1
Cross Section (barns)
Incident Energy (MeV)
12
45-Rh-108

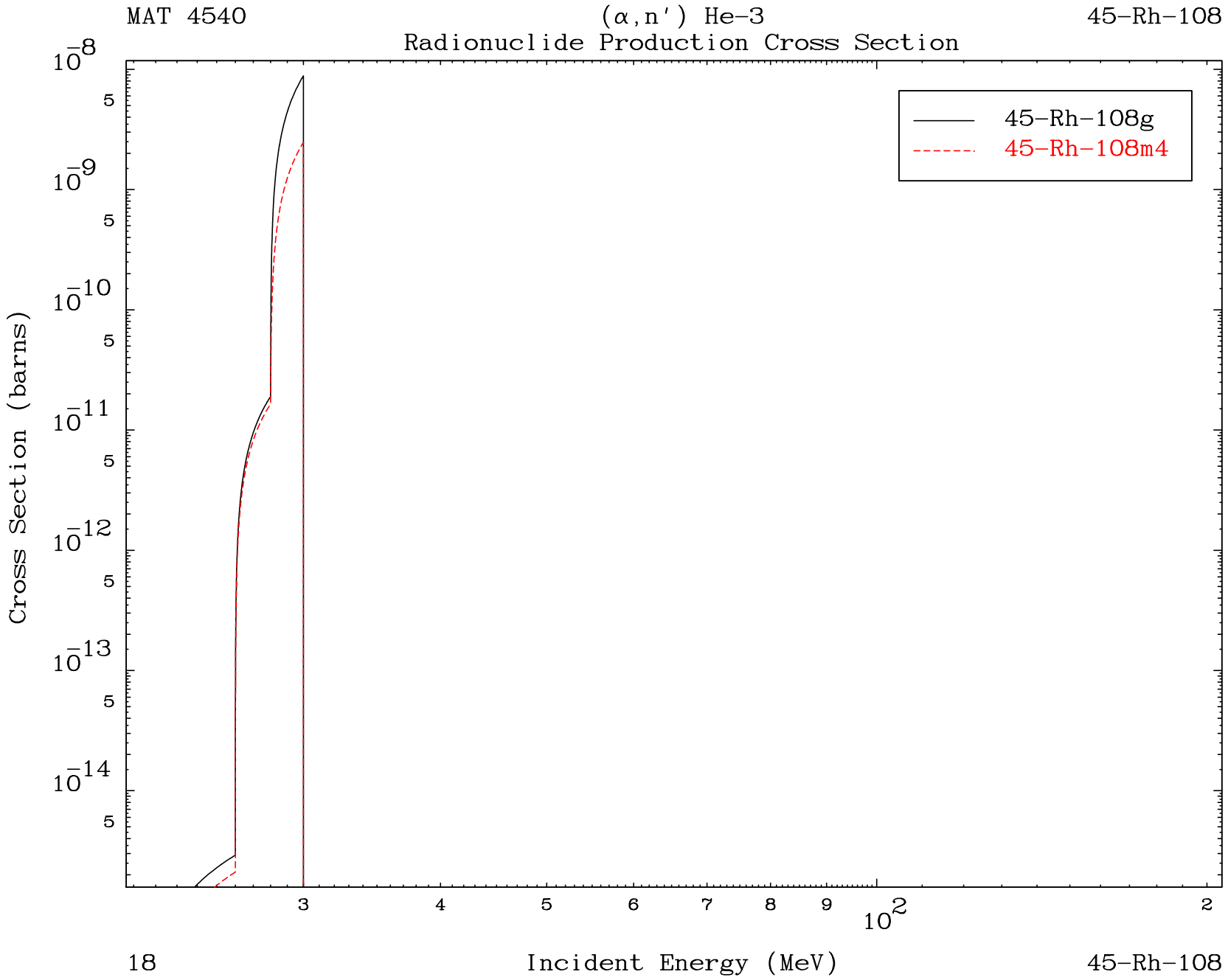

MAT 4540
(α,2n)
45-Rh-108
Radionuclide Production Cross Section
Cross Section (barns)
10-1
10-2
10-3
4
2
8
6
4
2
8
6
4
2
8
6
4
47-Ag-110g
47-Ag-110m2
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
45-Rh-108

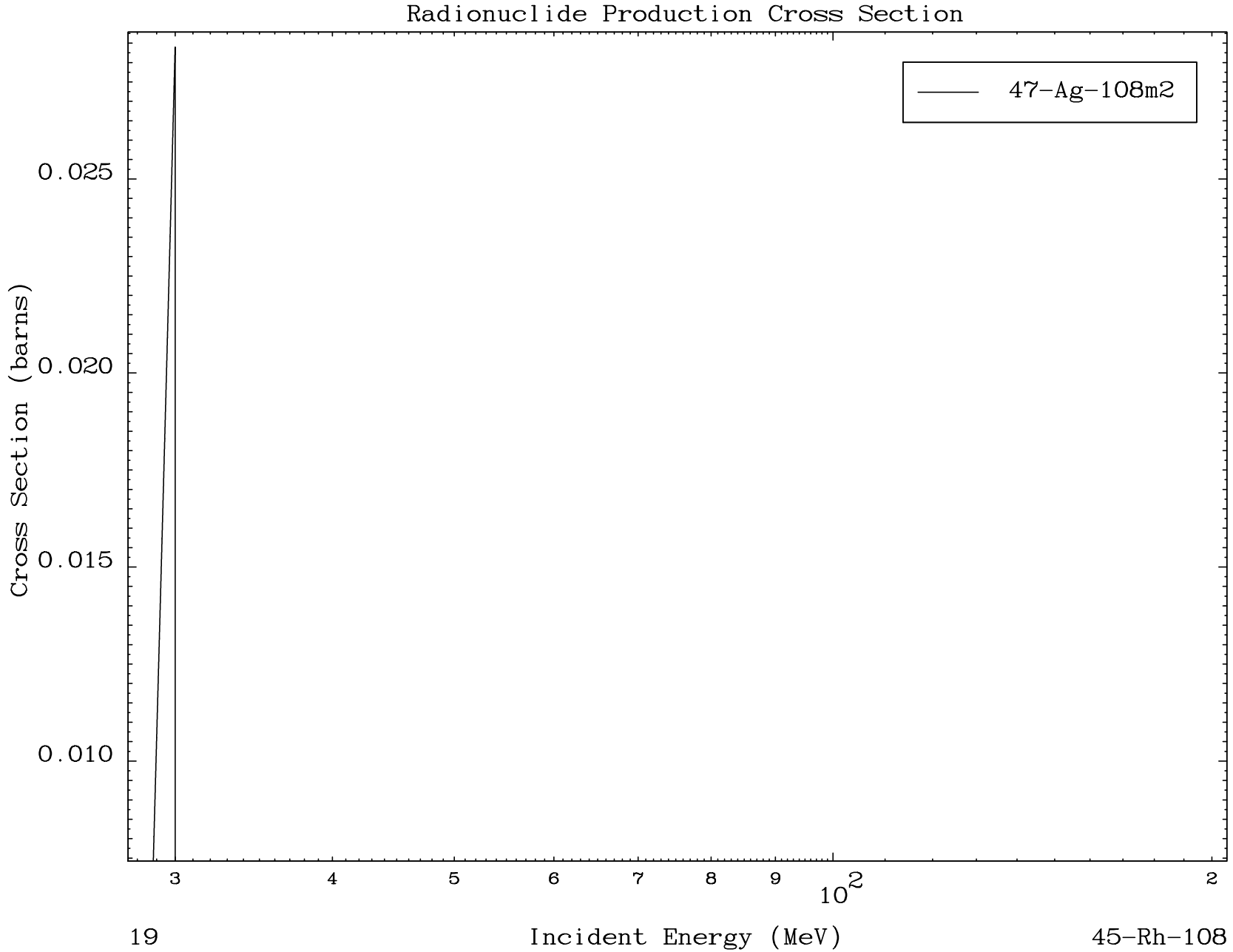

MAT 4540
(α,3n)
45-Rh-108
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
Incident Energy (MeV)
14
45-Rh-108

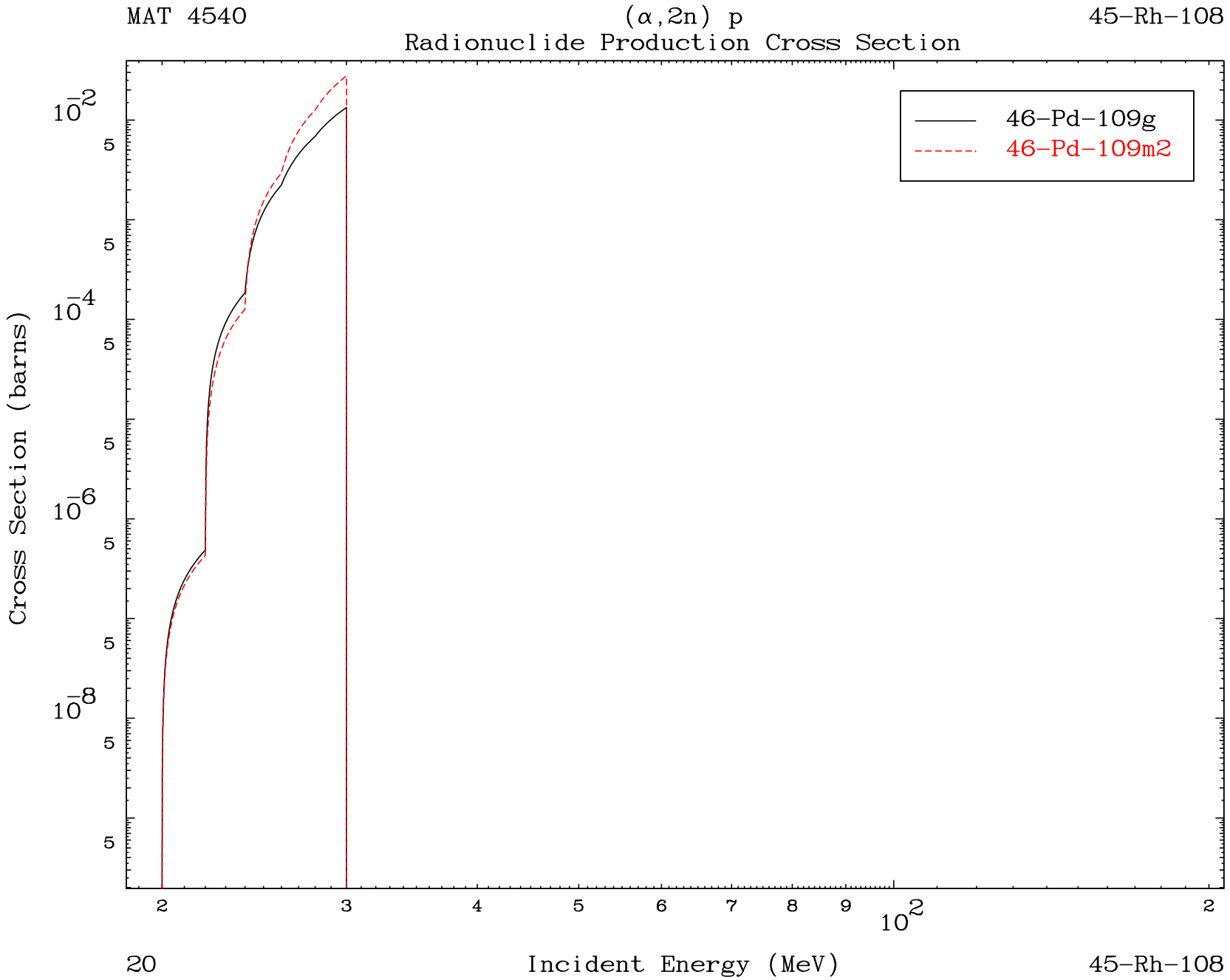

MAT 4540
(α,2n) α
45-Rh-108
Radionuclide Production Cross Section
45-Rh-106g
45-Rh-106m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
45-Rh-108

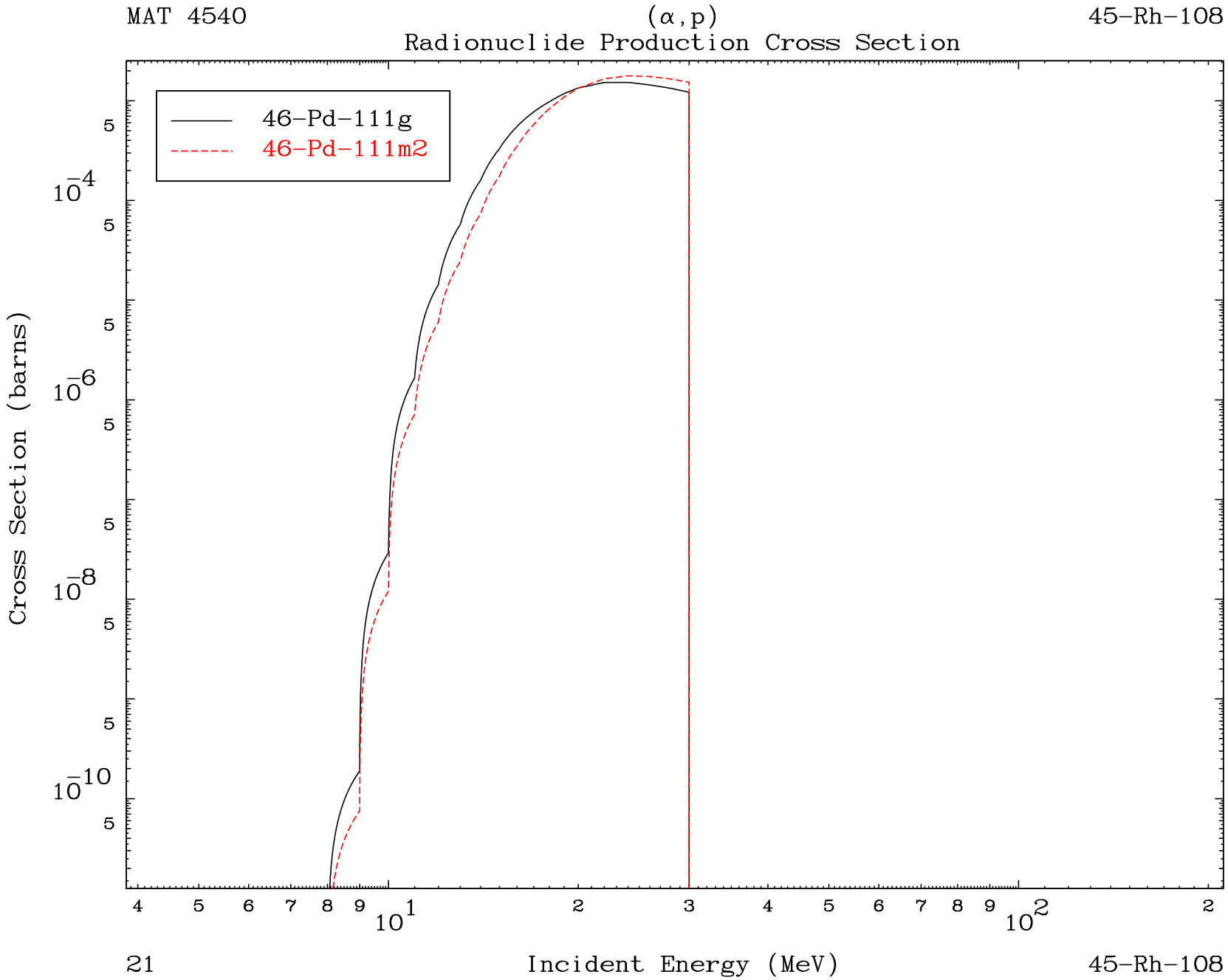

MAT 4540
(α,3n) α
45-Rh-108
Radionuclide Production Cross Section
45-Rh-105g
45-Rh-105m1
Cross Section (barns)
10-8
10-10
10-12
10-14
10-16
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
45-Rh-108

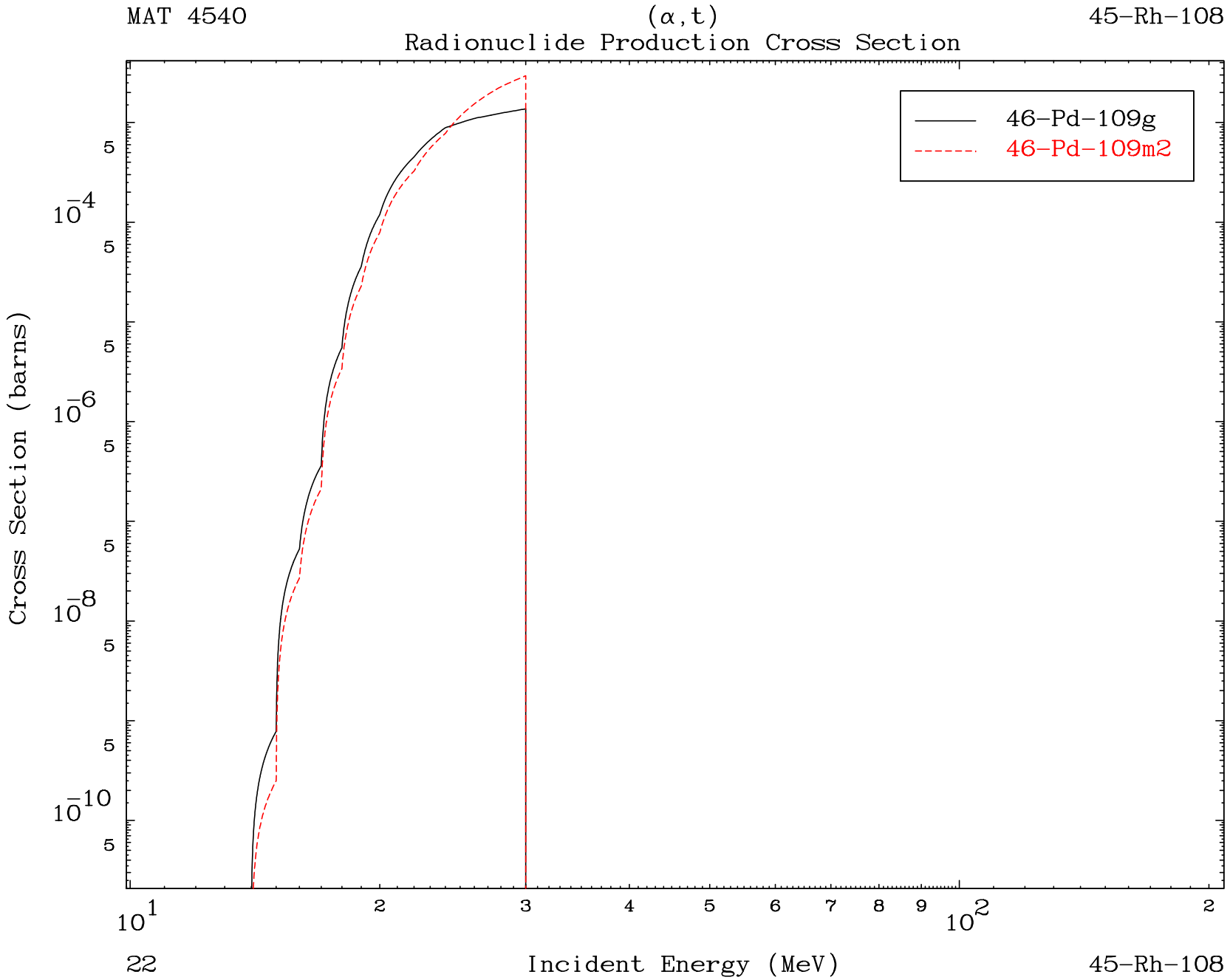

MAT 4540
(α,n') d
45-Rh-108
Radionuclide Production Cross Section
46-Pd-109g
46-Pd-109m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
17
45-Rh-108


MAT 4540
(α,n') He-3
45-Rh-108
Radionuclide Production Cross Section
45-Rh-108g
45-Rh-108m4
Cross Section (barns)
Incident Energy (MeV)
18
45-Rh-108


Radionuclide Production Cross Section
47-Ag-108m2
Cross Section (barns)
0.025
0.020
0.015
0.010
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


MAT 4540
(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
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
45-Rh-108


MAT 4540
(α,p)
45-Rh-108
Radionuclide Production Cross Section
46-Pd-111g
46-Pd-111m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
21
45-Rh-108


MAT 4540
(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
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5
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7
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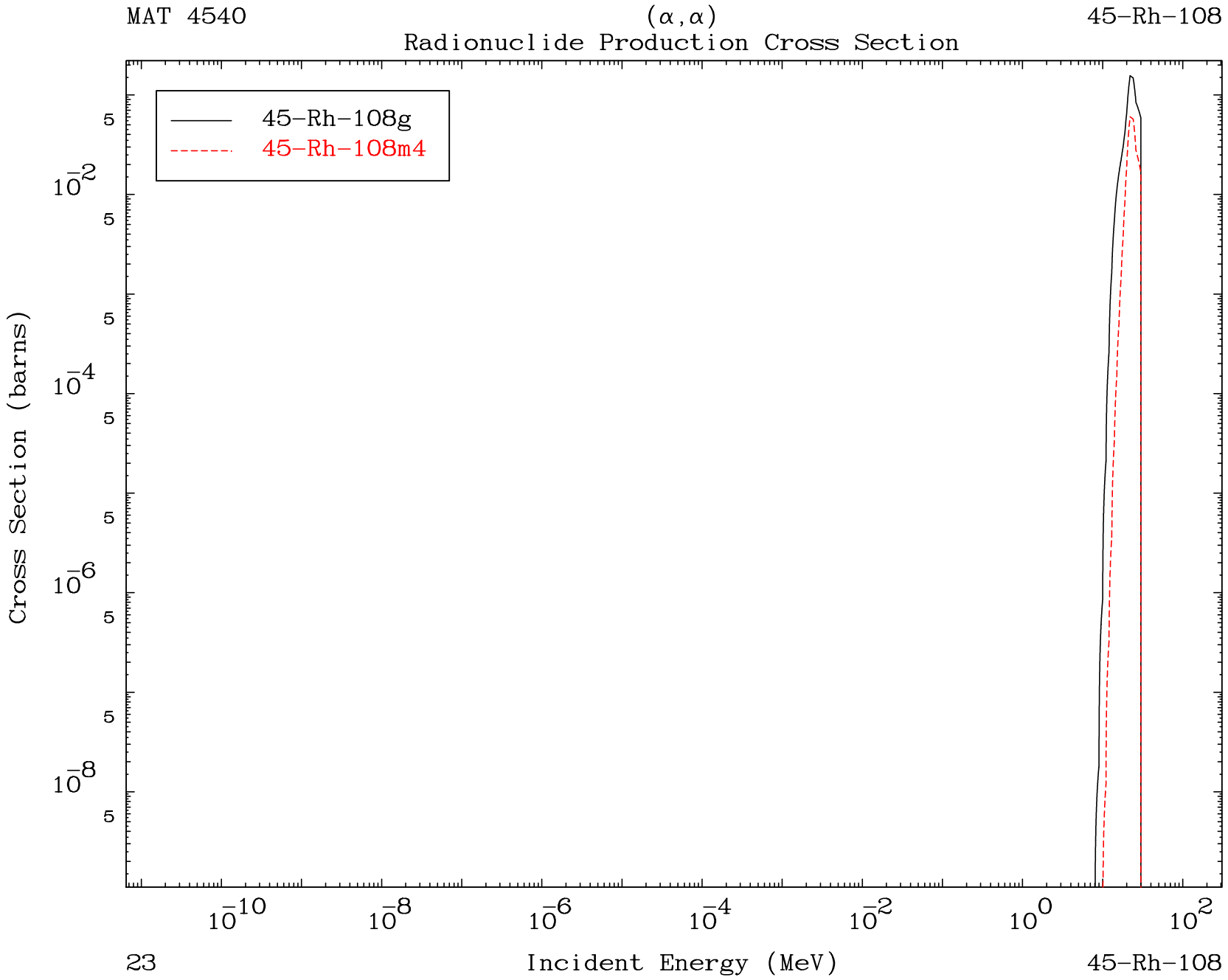
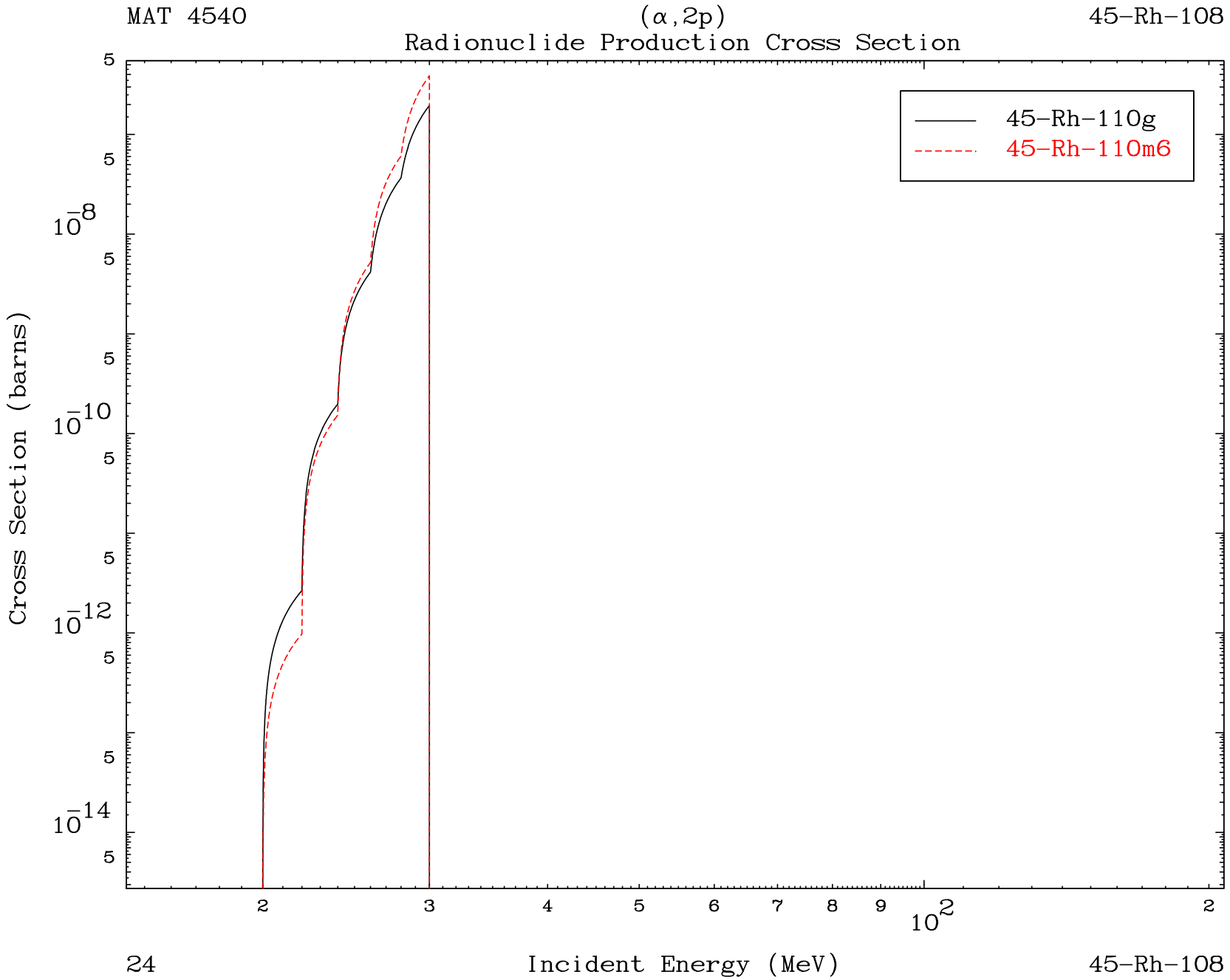
9
102
2
22
Incident Energy (MeV)
45-Rh-108


MAT 4540
(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
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
23
Incident Energy (MeV)
45-Rh-108


MAT 4540
(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