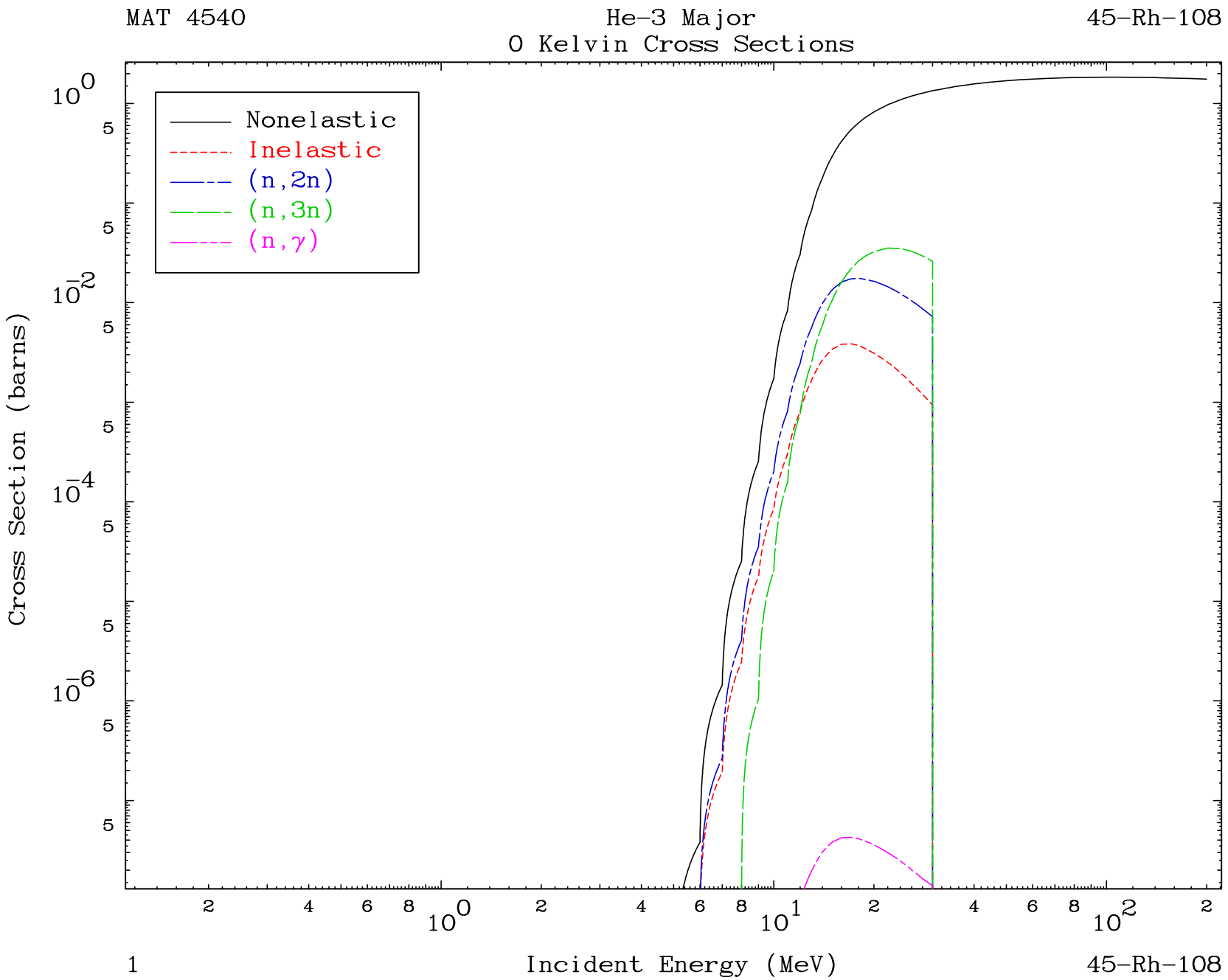
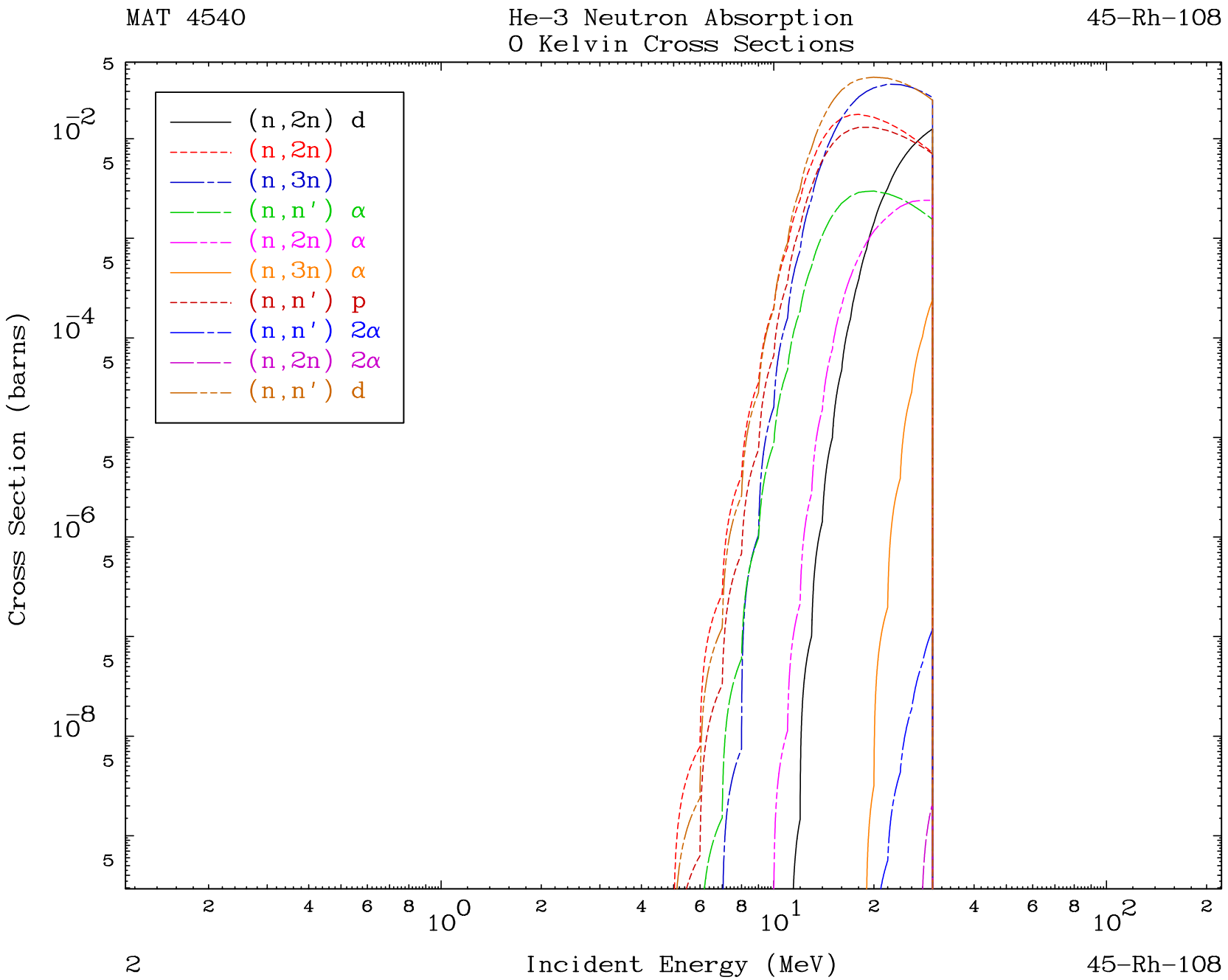
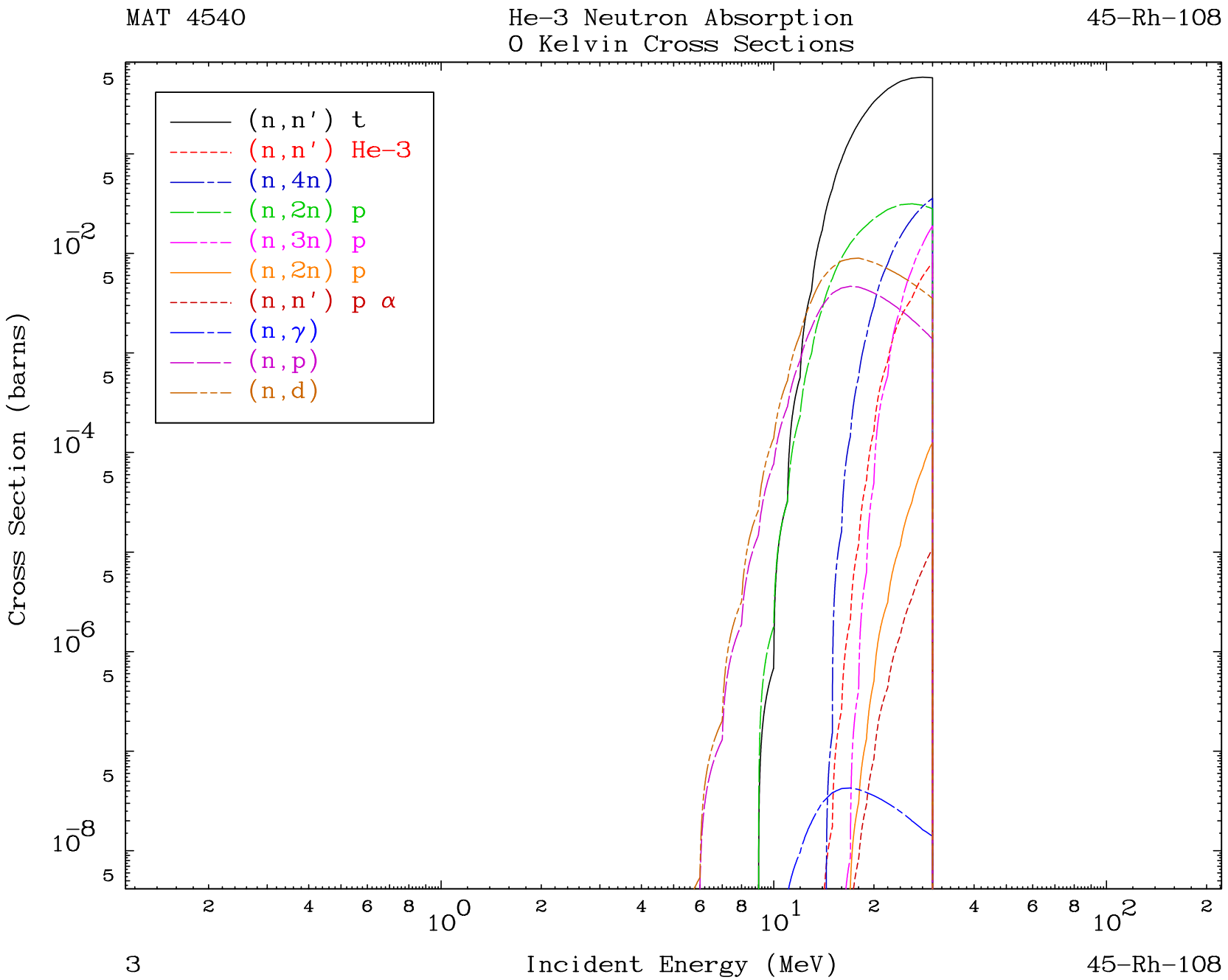
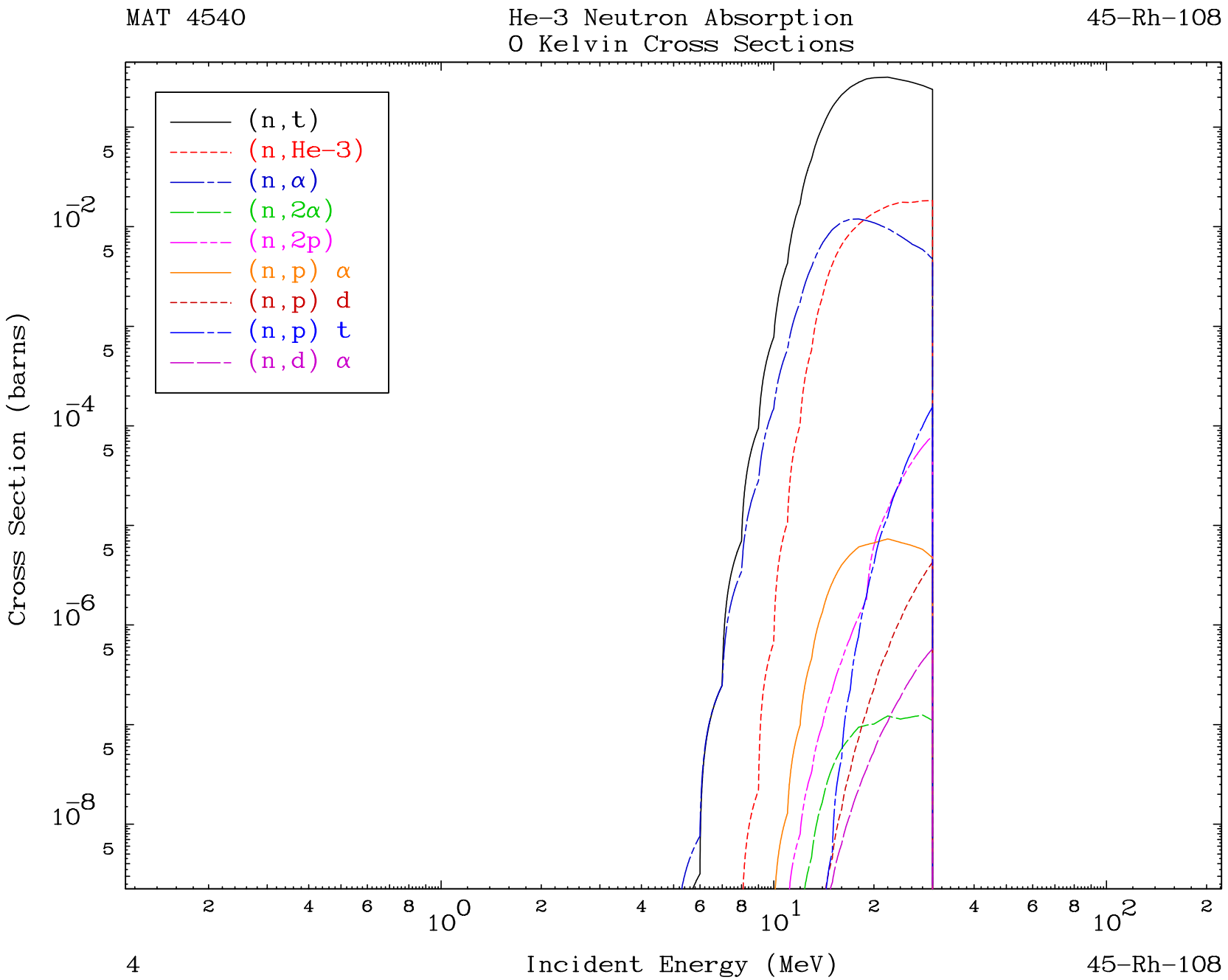
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

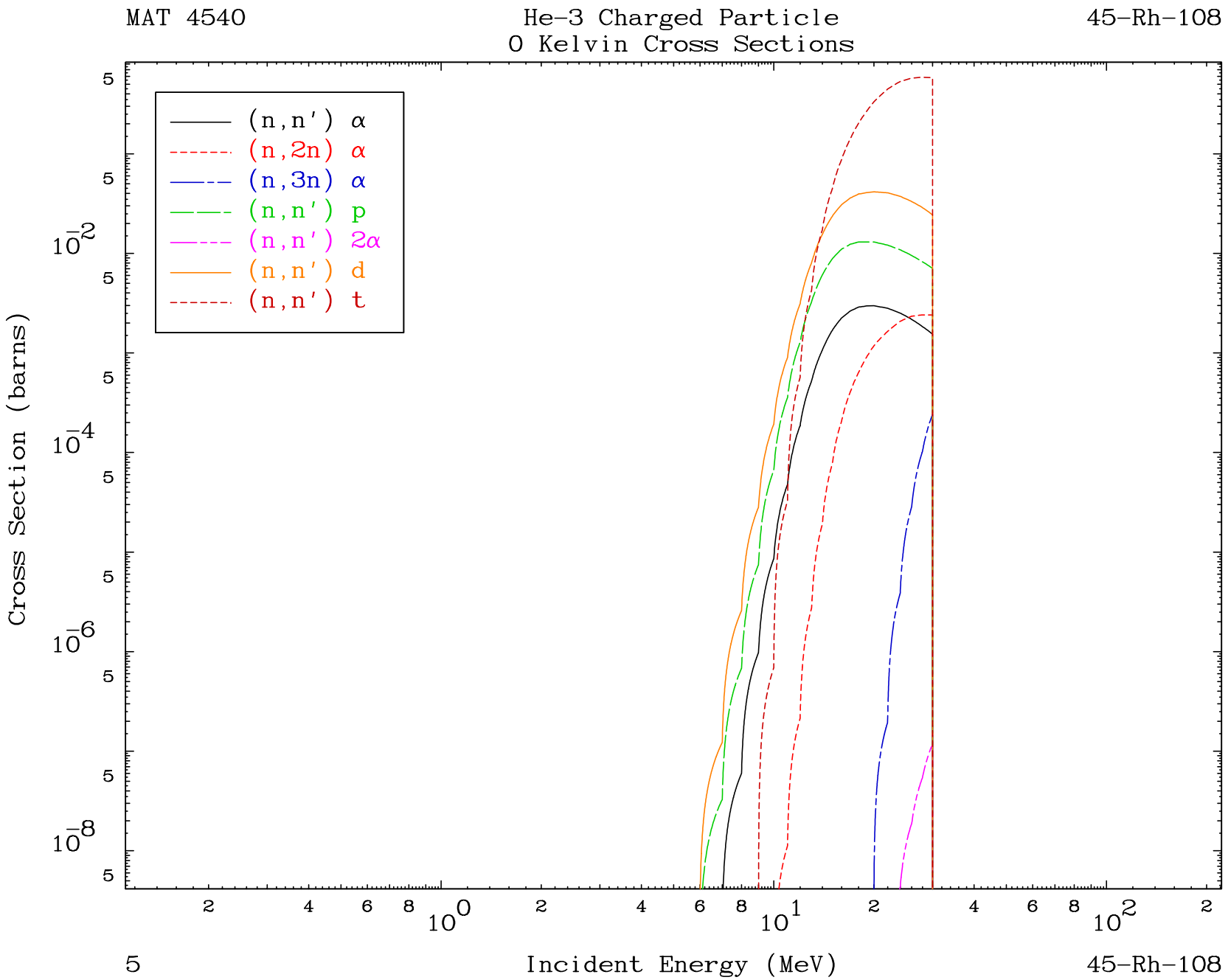
Press Mouse Button to Start

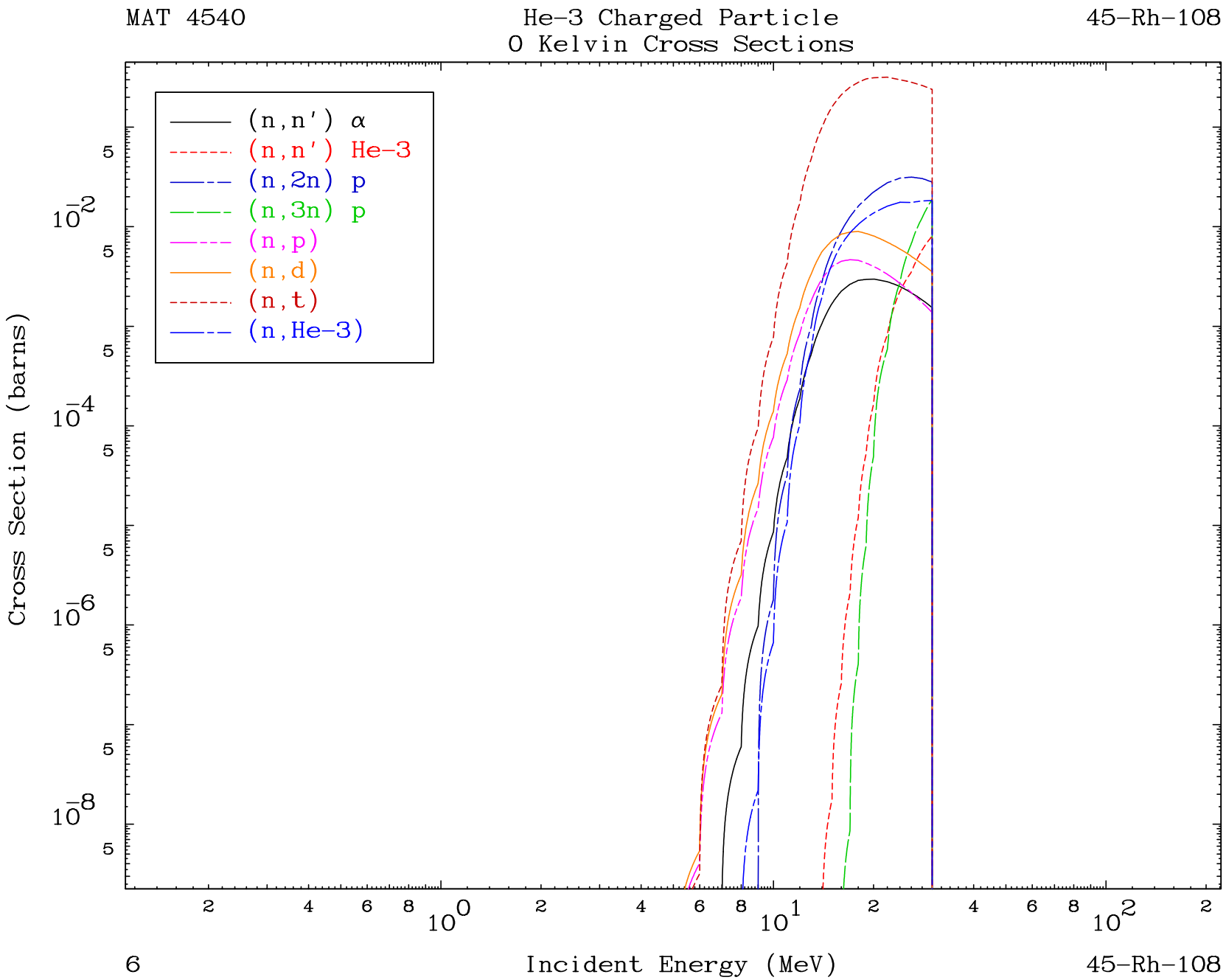

MAT 4540
He-3 Major
45-Rh-108
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
45-Rh-108

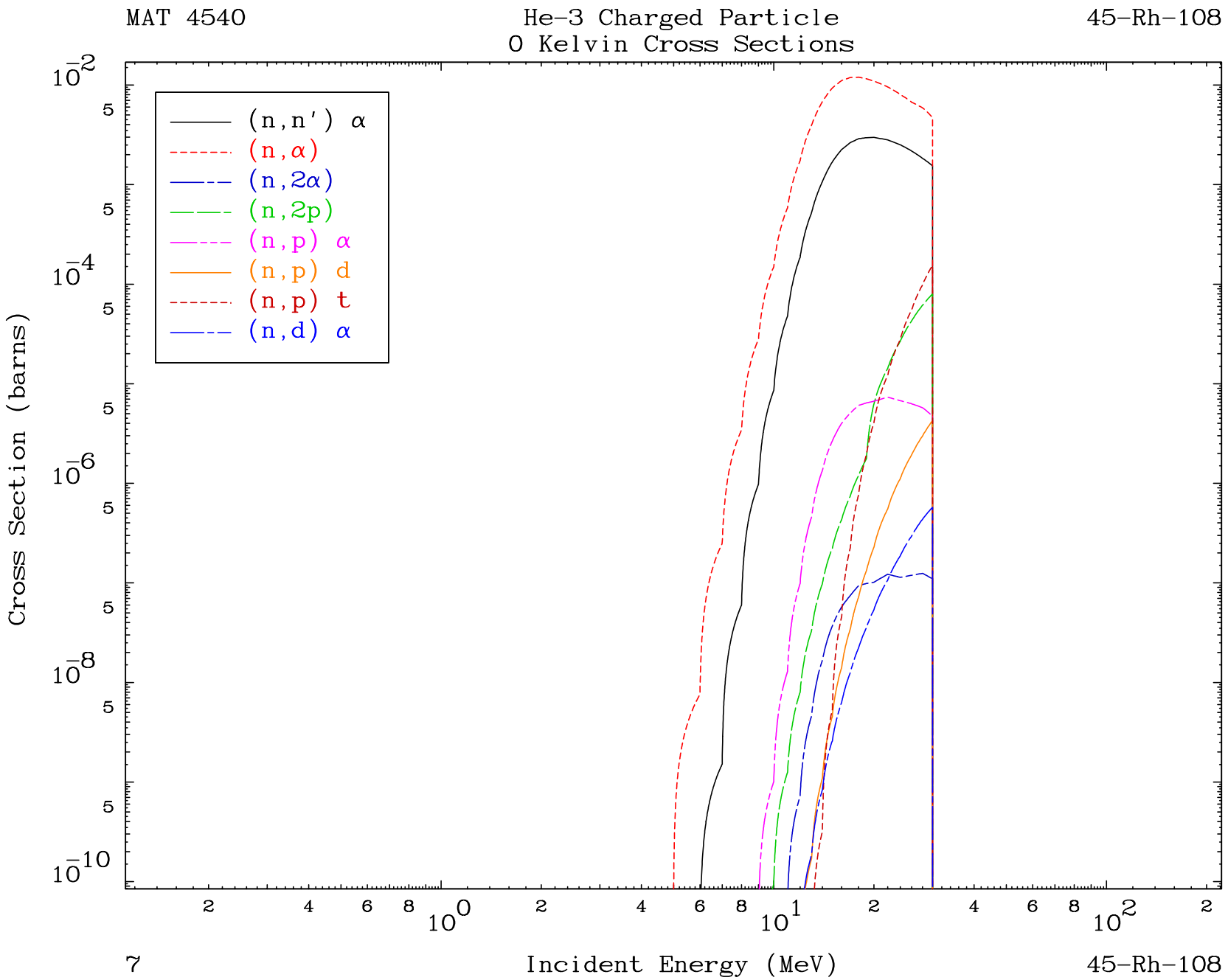

MAT 4540
He-3 Neutron Absorption
0 Kelvin Cross Sections
45-Rh-108
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
45-Rh-108
2

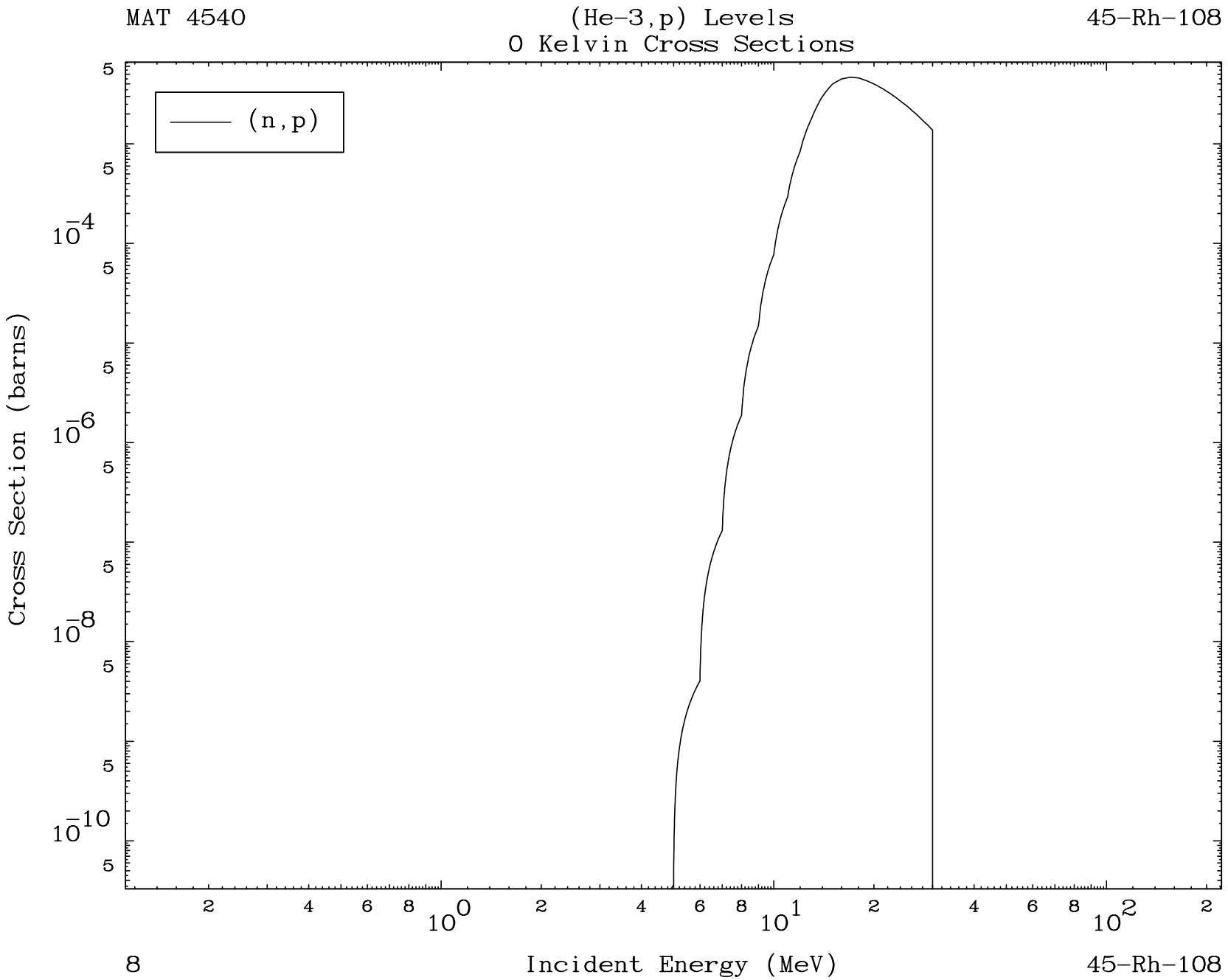

MAT 4540
He-3 Neutron Absorption
0 Kelvin Cross Sections
45-Rh-108
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
45-Rh-108

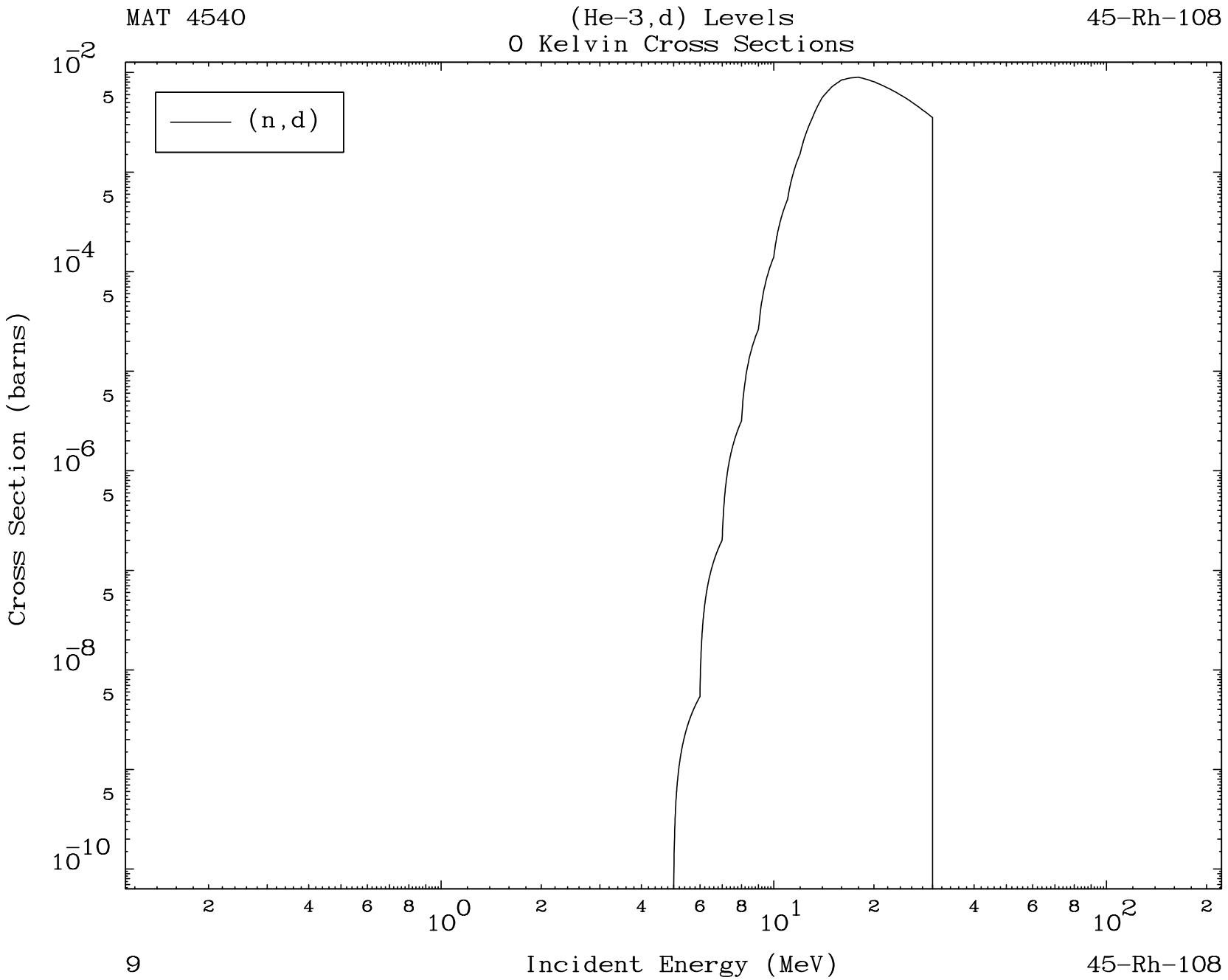

MAT 4540
He-3 Neutron Absorption
0 Kelvin Cross Sections
45-Rh-108
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
45-Rh-108

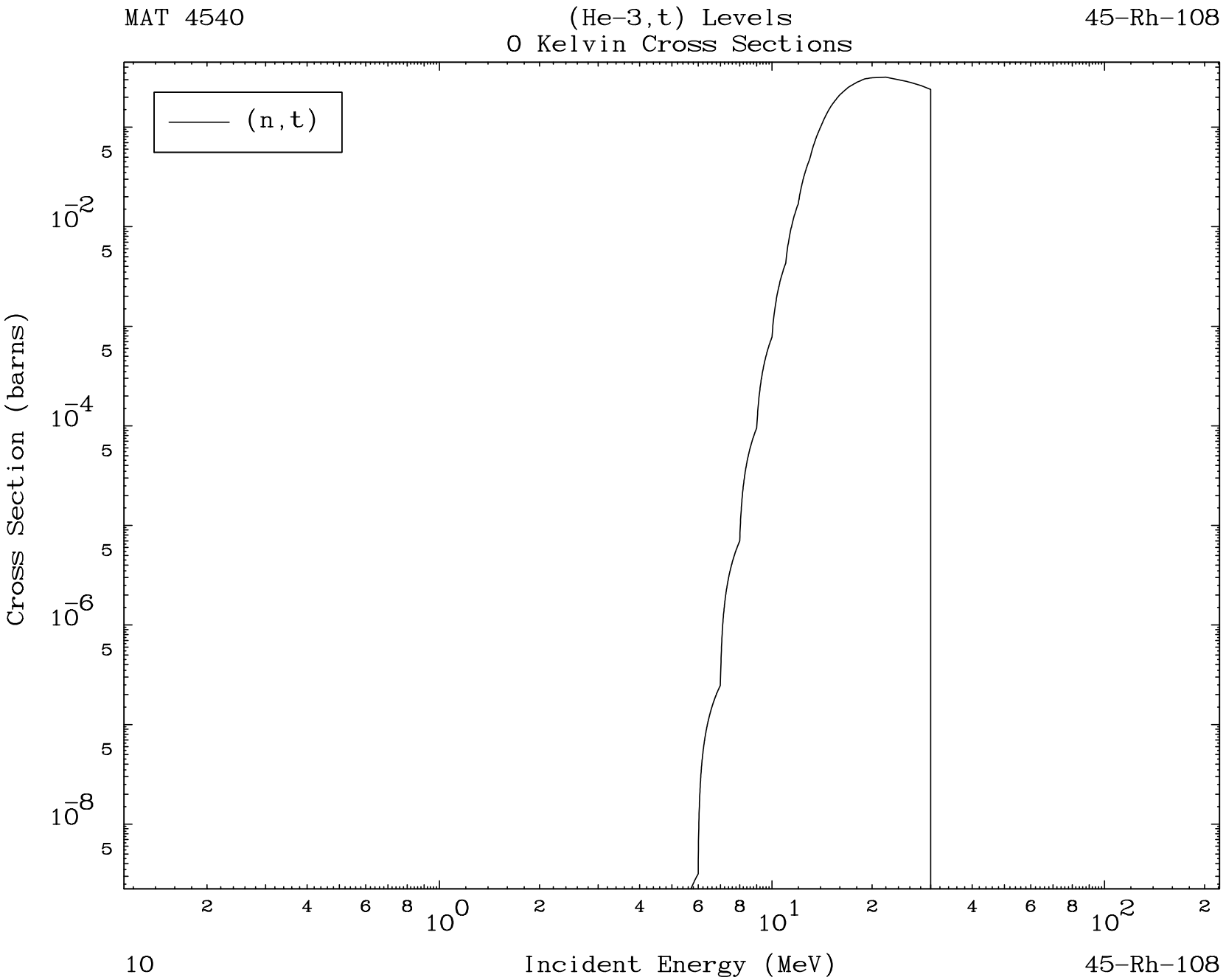

MAT 4540
He-3 Charged Particle
0 Kelvin Cross Sections
45-Rh-108
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
45-Rh-108

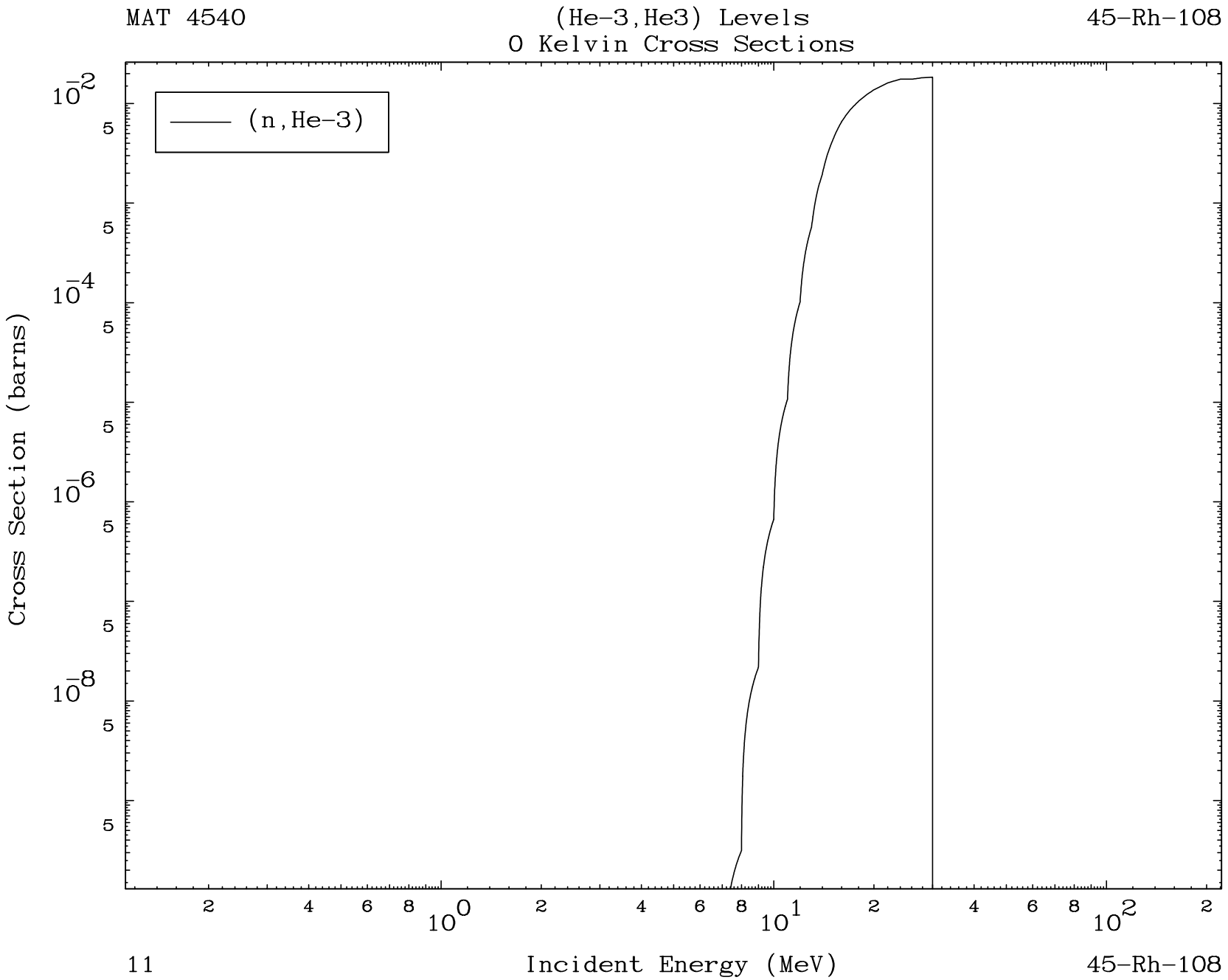

MAT 4540
He-3 Charged Particle
0 Kelvin Cross Sections
45-Rh-108
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
45-Rh-108

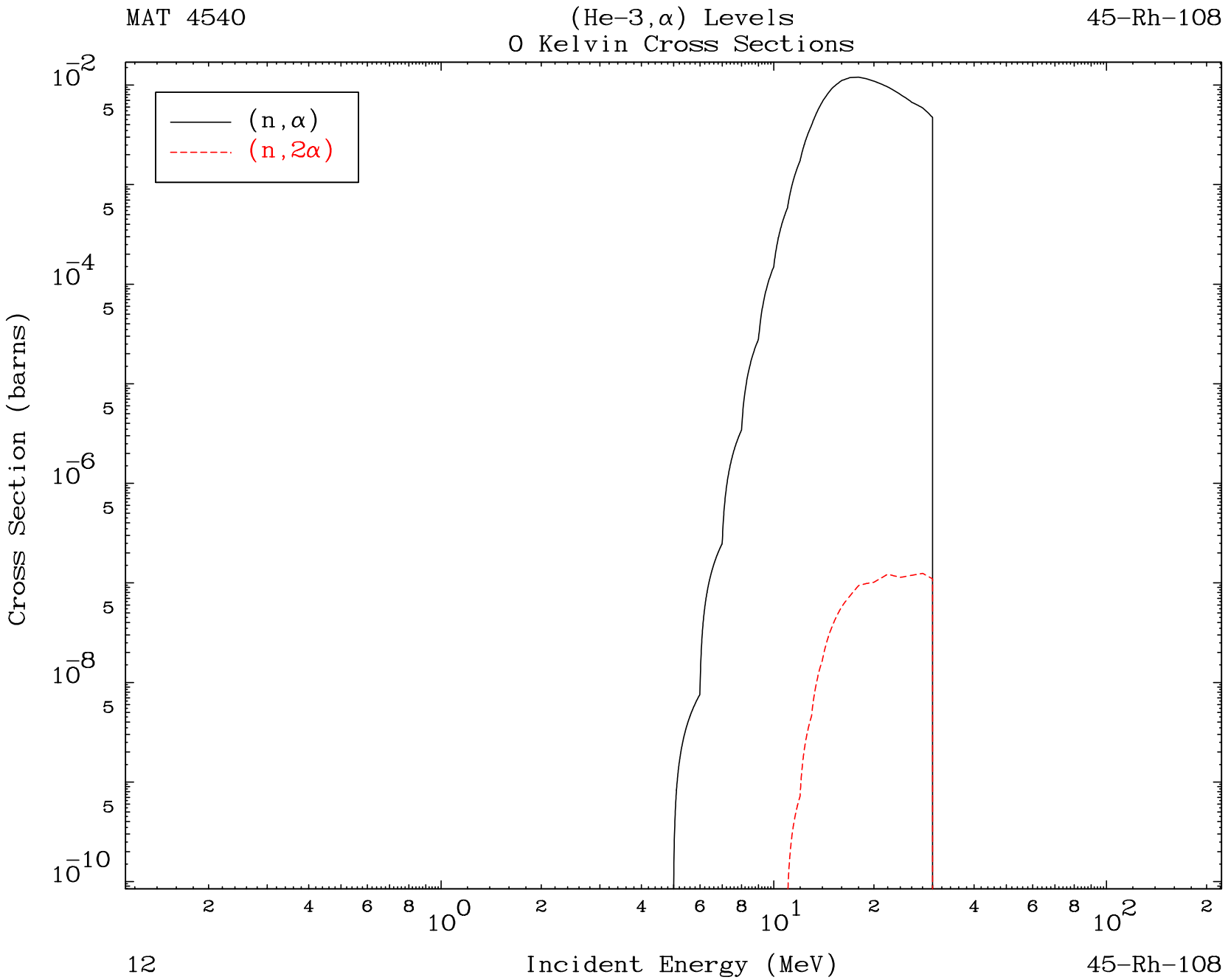

MAT 4540
He-3 Charged Particle
0 Kelvin Cross Sections
45-Rh-108
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
45-Rh-108

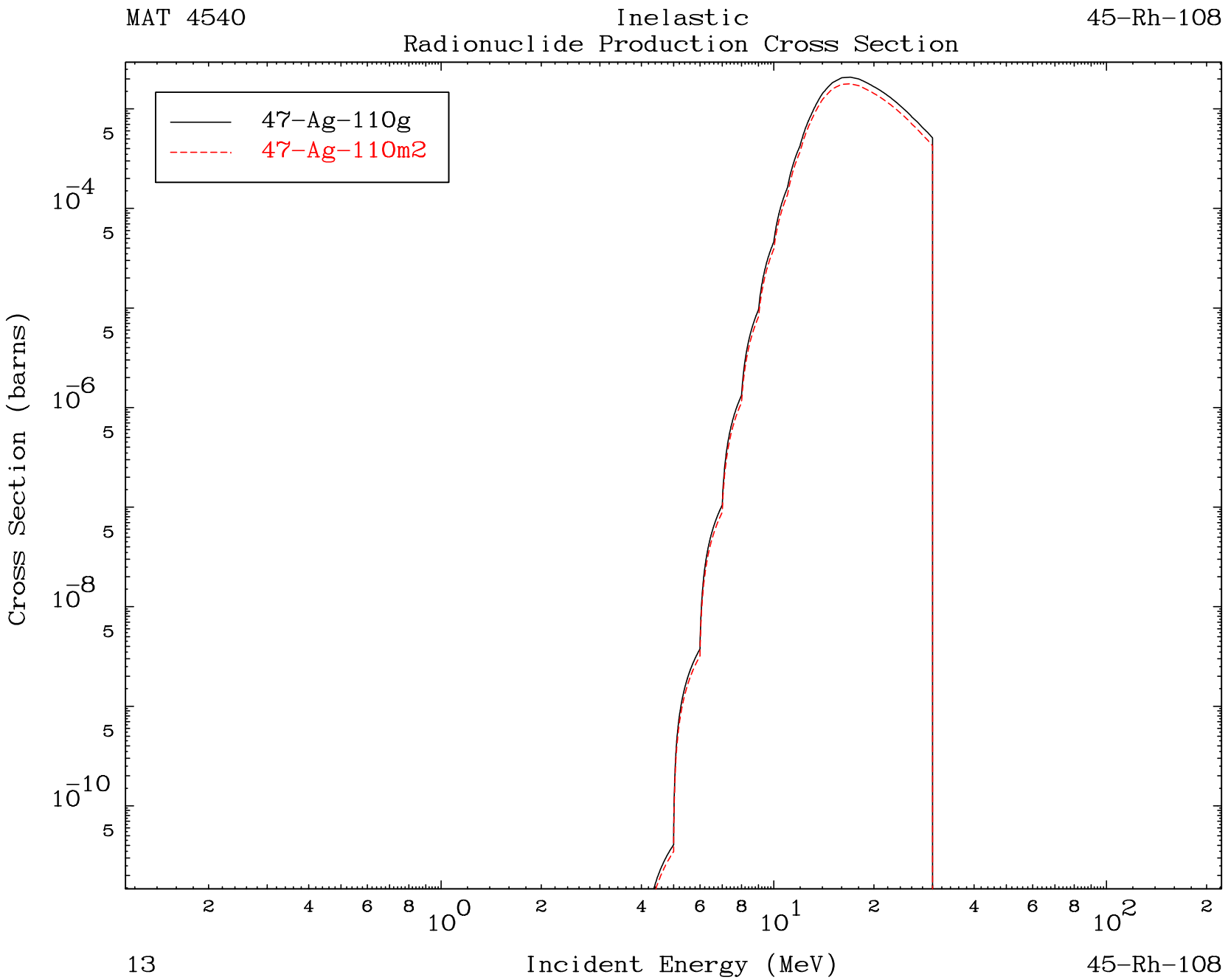

MAT 4540
(He-3,p) Levels
45-Rh-108
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
45-Rh-108

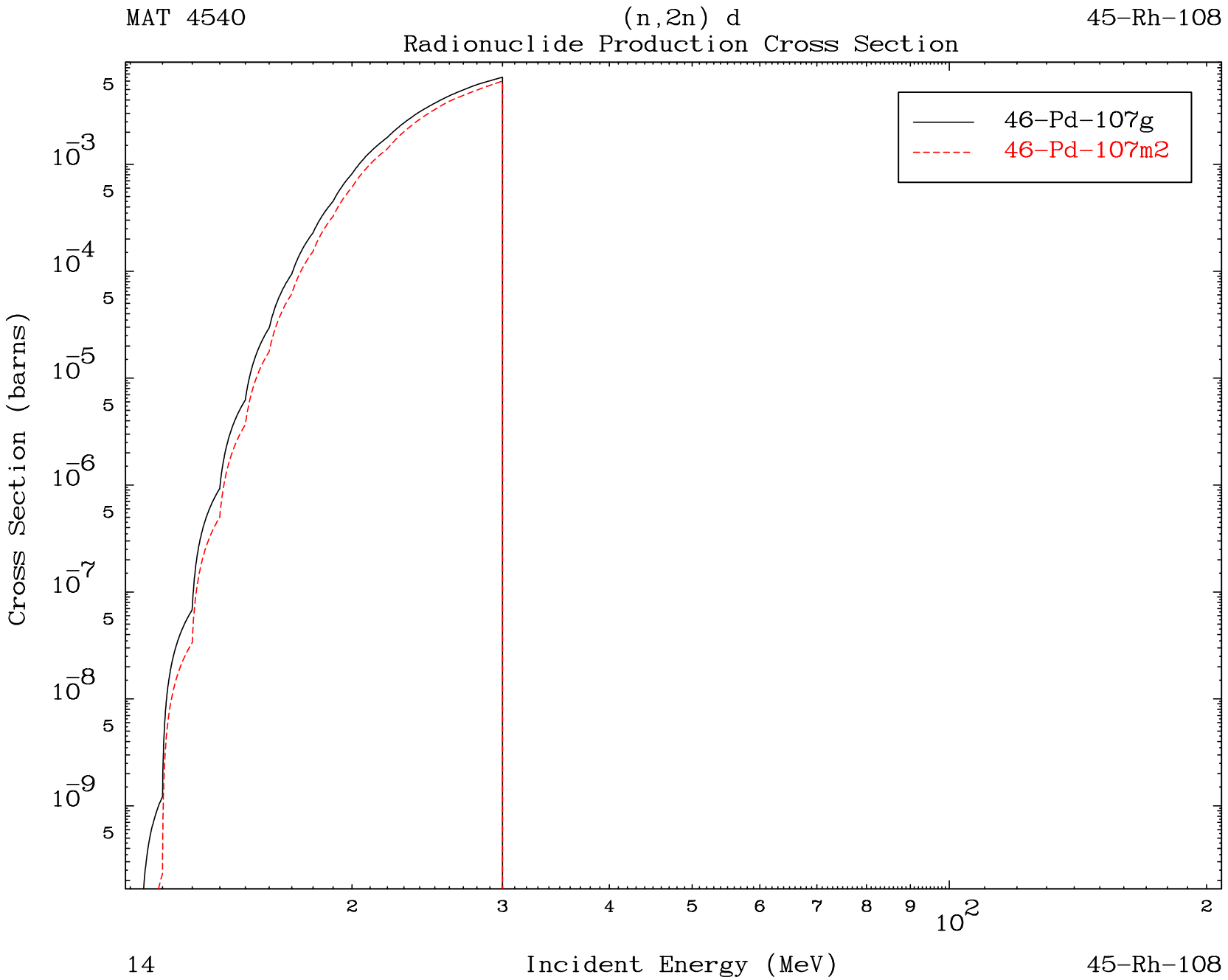

MAT 4540
(He-3,d) Levels
45-Rh-108
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
45-Rh-108

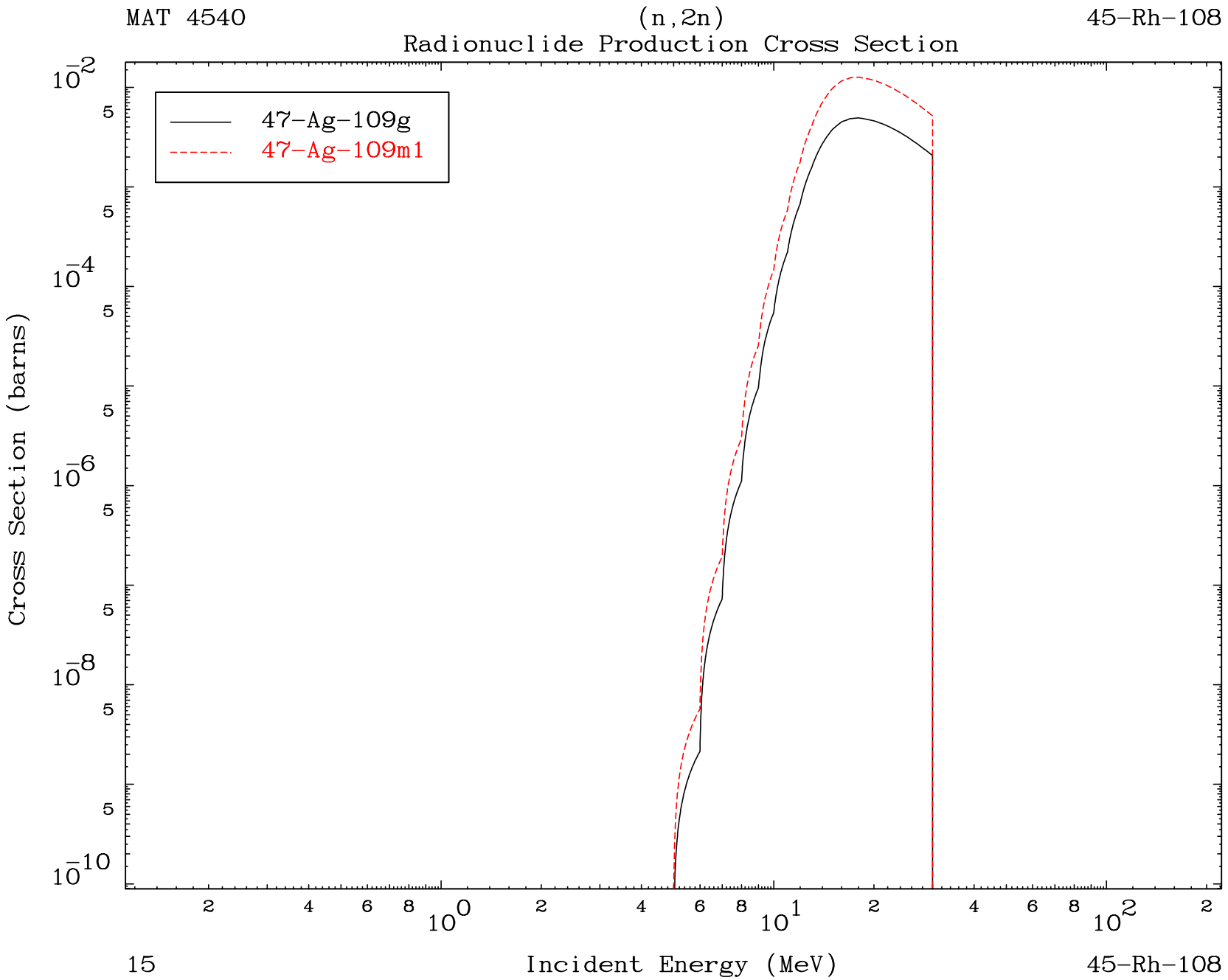

MAT 4540
(He-3,t) Levels
45-Rh-108
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
45-Rh-108

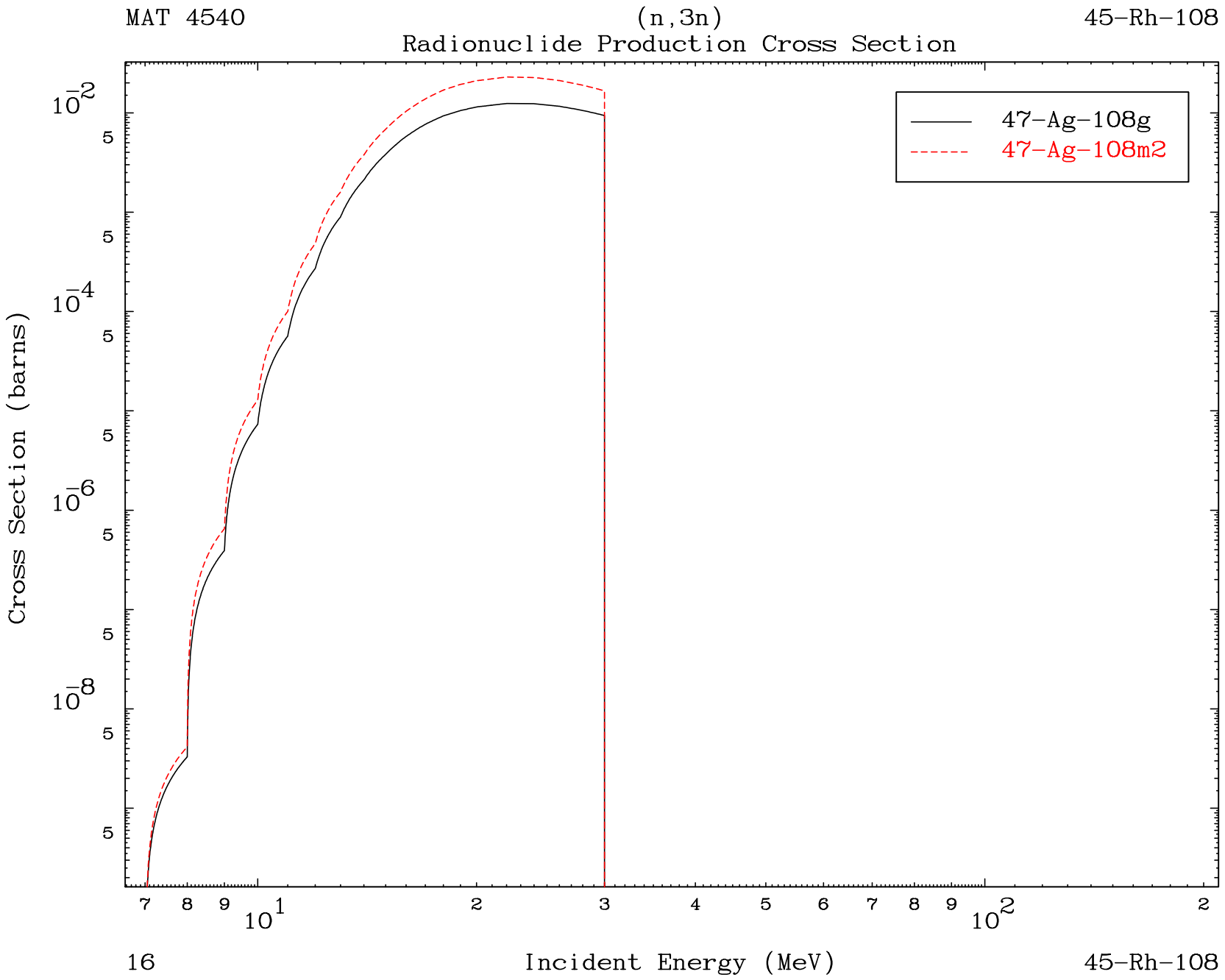

MAT 4540
(He-3,He3) Levels
45-Rh-108
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
45-Rh-108

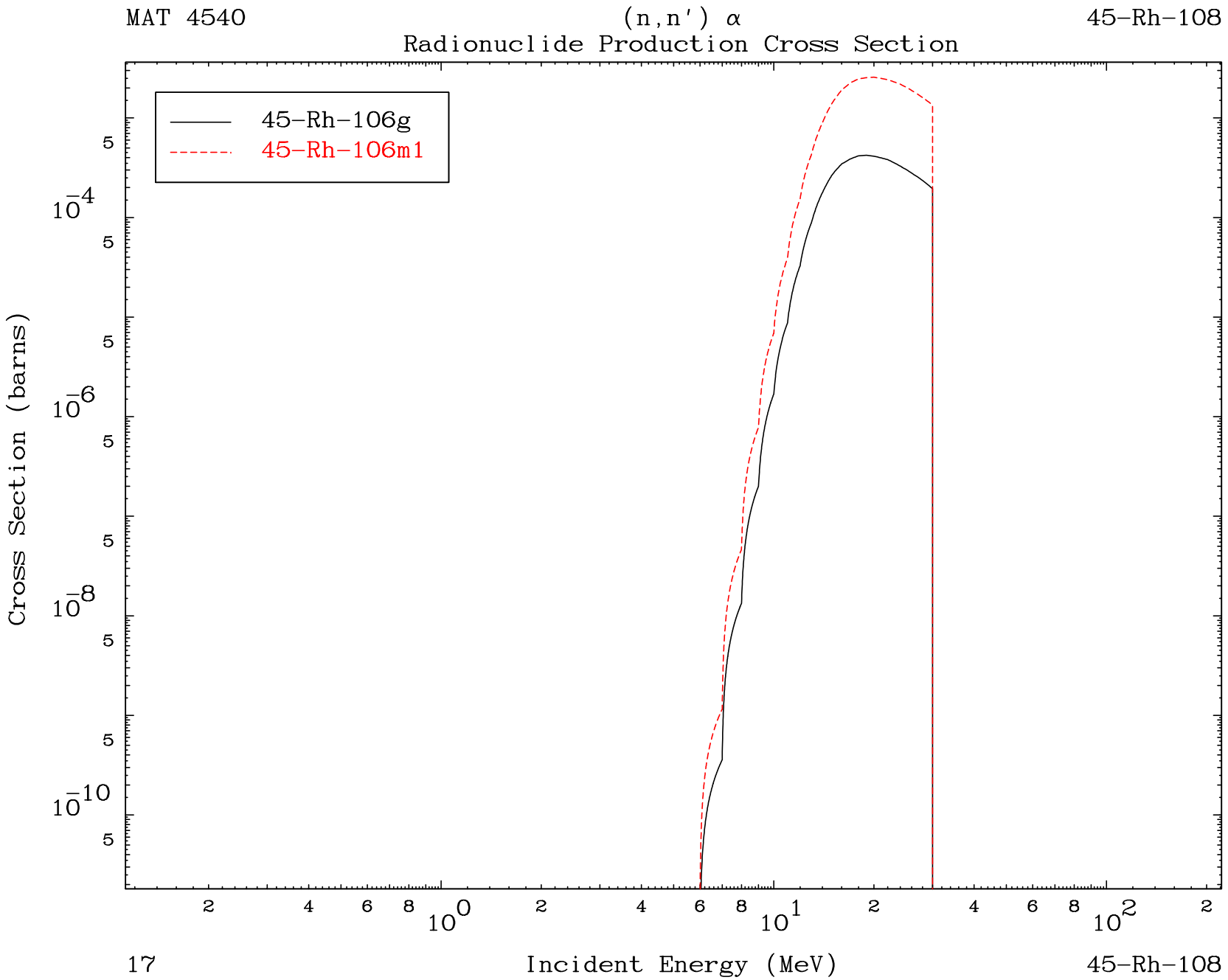

MAT 4540
(He-3,α) Levels
0 Kelvin Cross Sections
45-Rh-108
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
12
45-Rh-108

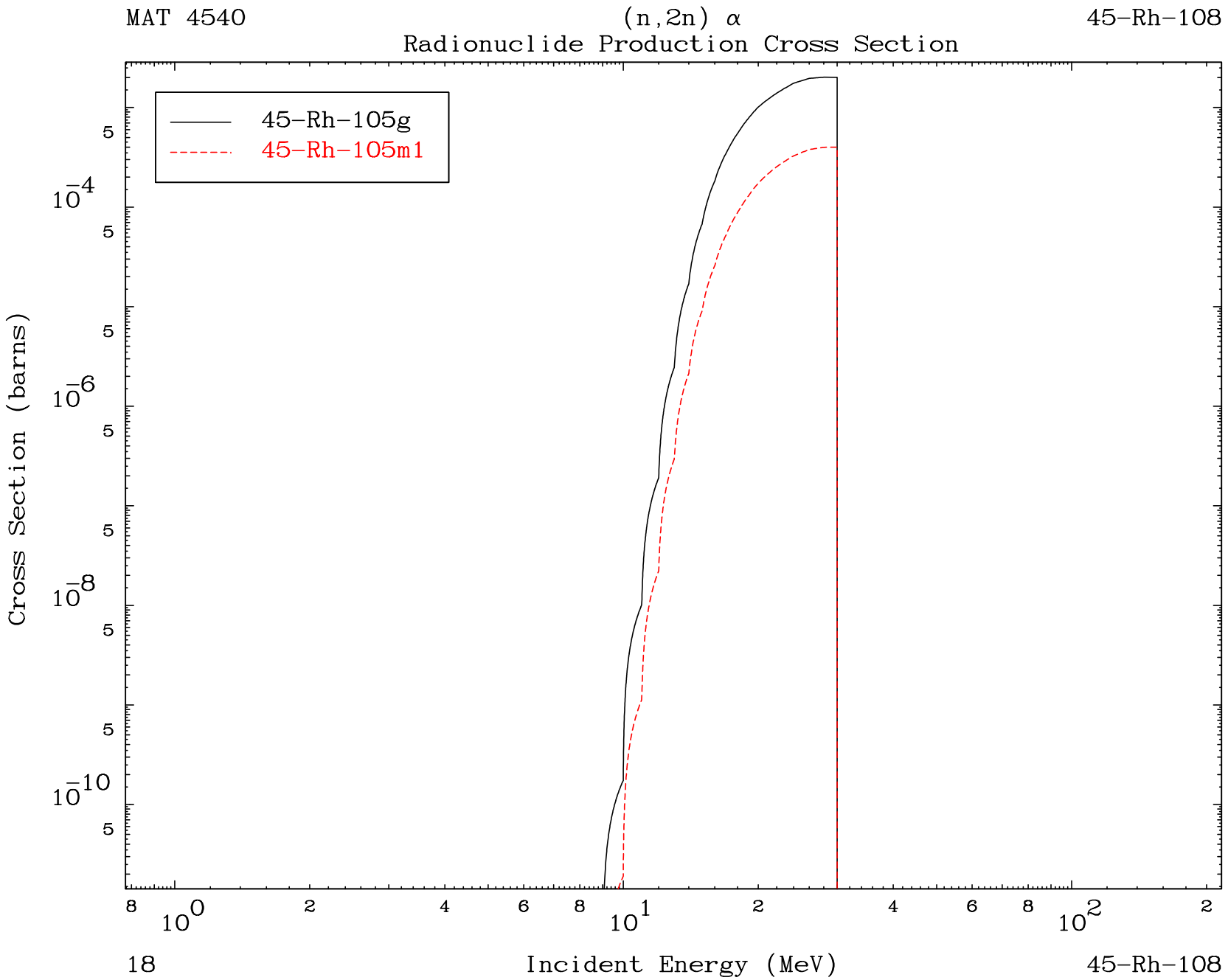

MAT 4540
Inelastic
45-Rh-108
Radionuclide Production Cross Section
47-Ag-110g
47-Ag-110m2
Cross Section (barns)
Incident Energy (MeV)
13
45-Rh-108

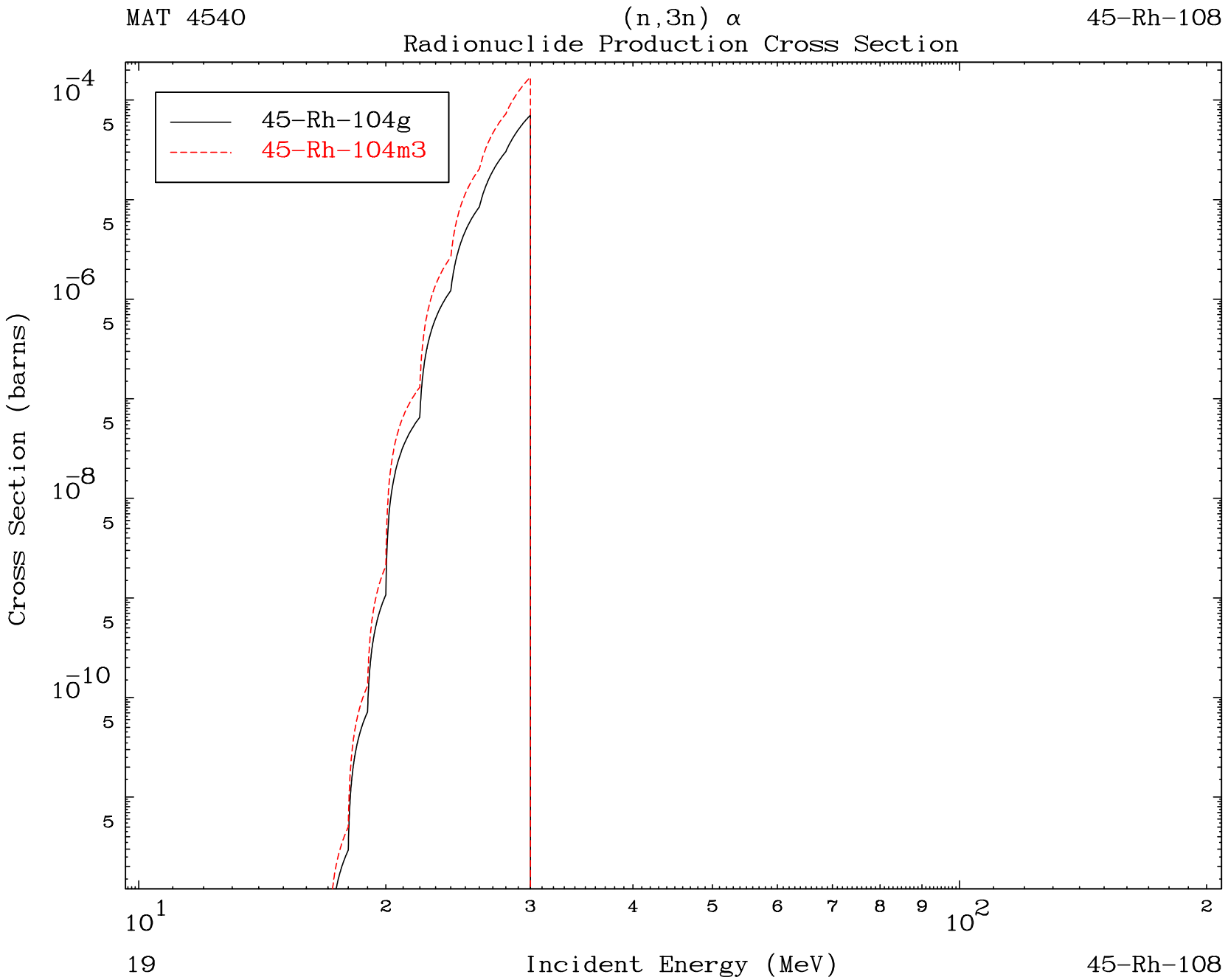

MAT 4540
(n,2n) d
45-Rh-108
Radionuclide Production Cross Section
46-Pd-107g
46-Pd-107m2
Cross Section (barns)
Incident Energy (MeV)
14
45-Rh-108

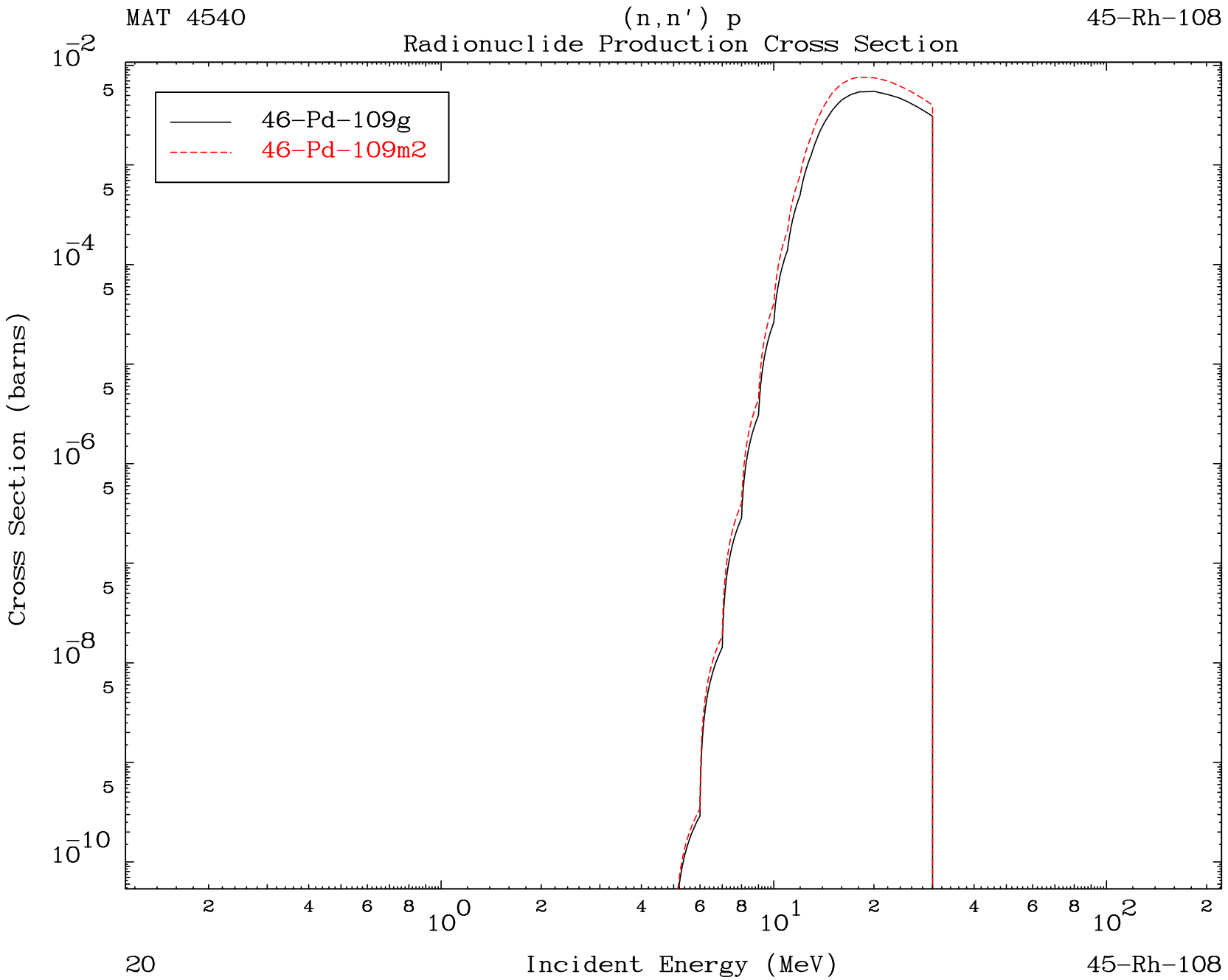

MAT 4540
(n,2n)
45-Rh-108
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
Incident Energy (MeV)
15
45-Rh-108

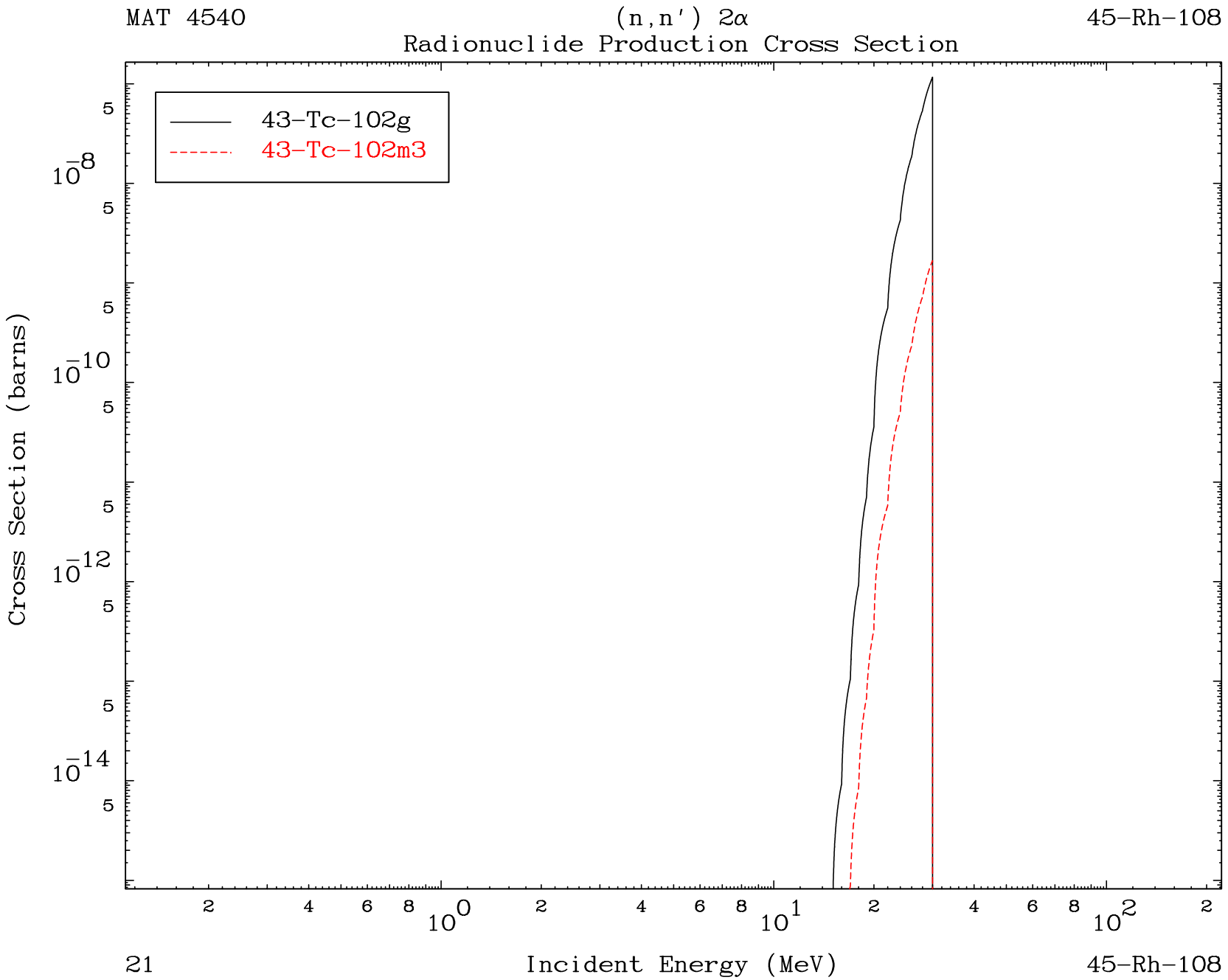

MAT 4540
(n,3n)
45-Rh-108
Radionuclide Production Cross Section
47-Ag-108g
47-Ag-108m2
Cross Section (barns)
Incident Energy (MeV)
16
45-Rh-108

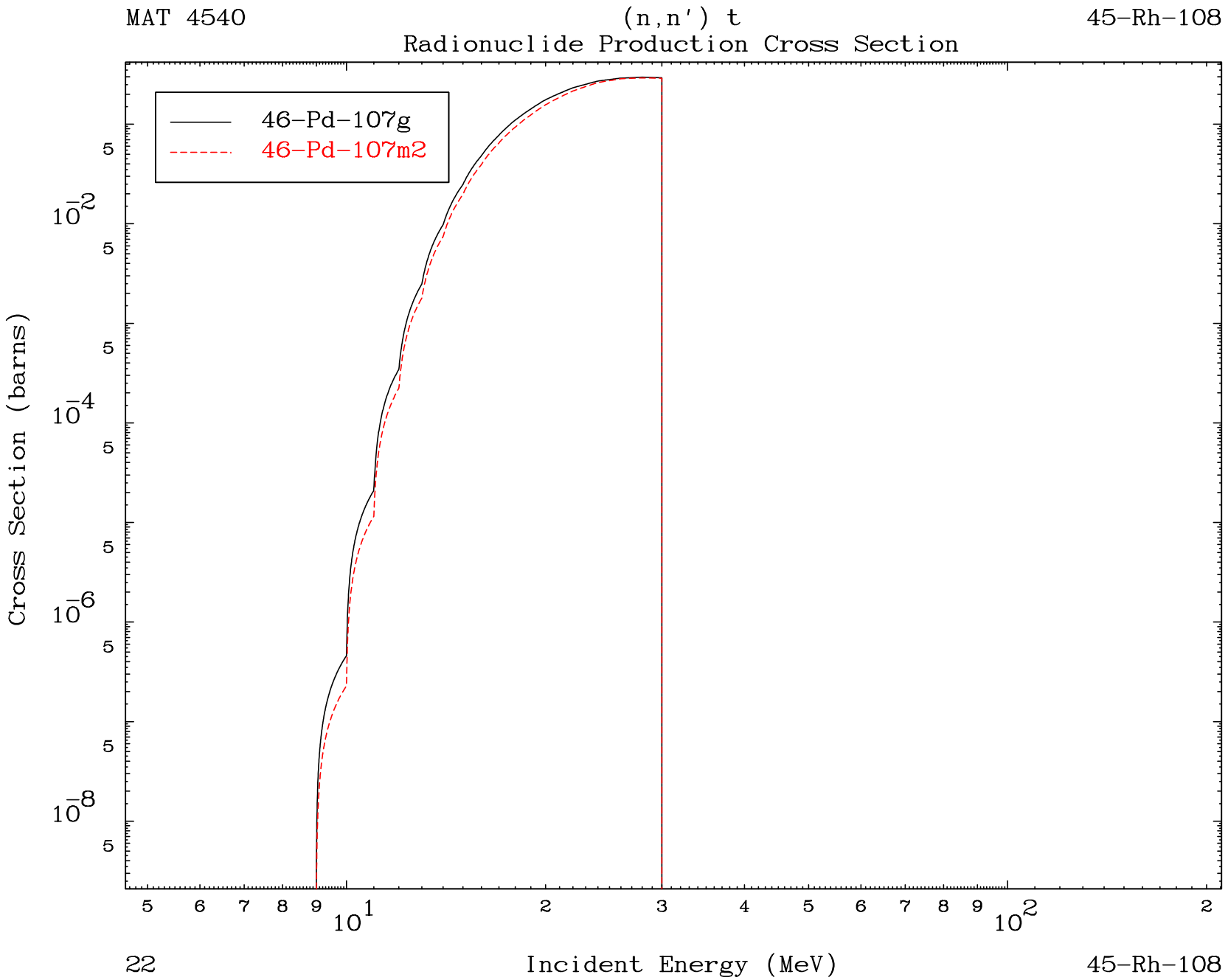

MAT 4540
(n,n') α
45-Rh-108
Radionuclide Production Cross Section
45-Rh-106g
45-Rh-106m1
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
17
45-Rh-108

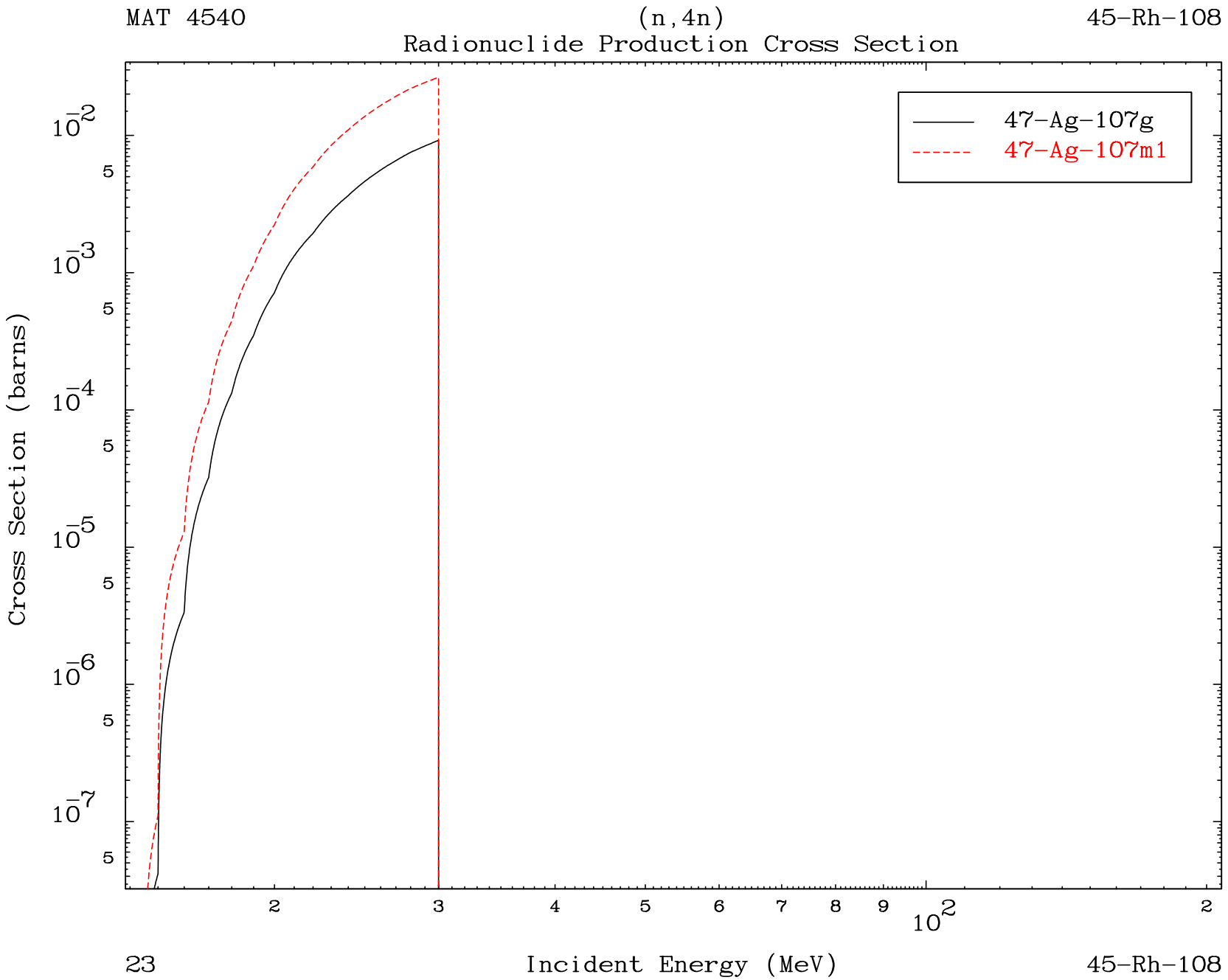

MAT 4540
(n,2n) α
45-Rh-108
Radionuclide Production Cross Section
45-Rh-105g
45-Rh-105m1
Cross Section (barns)
Incident Energy (MeV)
18
45-Rh-108

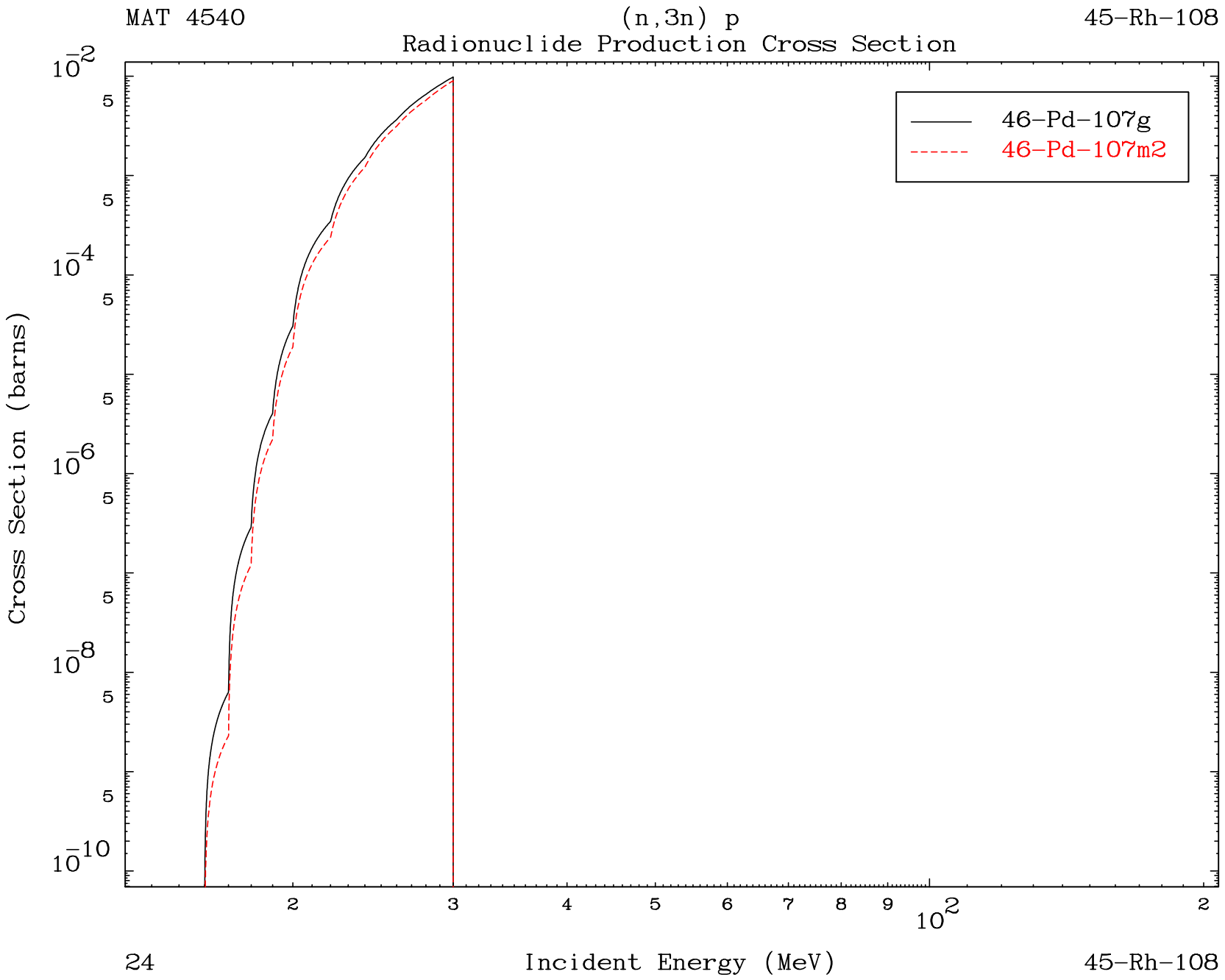

MAT 4540
(n,3n) α
45-Rh-108
Radionuclide Production Cross Section
45-Rh-104g
45-Rh-104m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
19
45-Rh-108

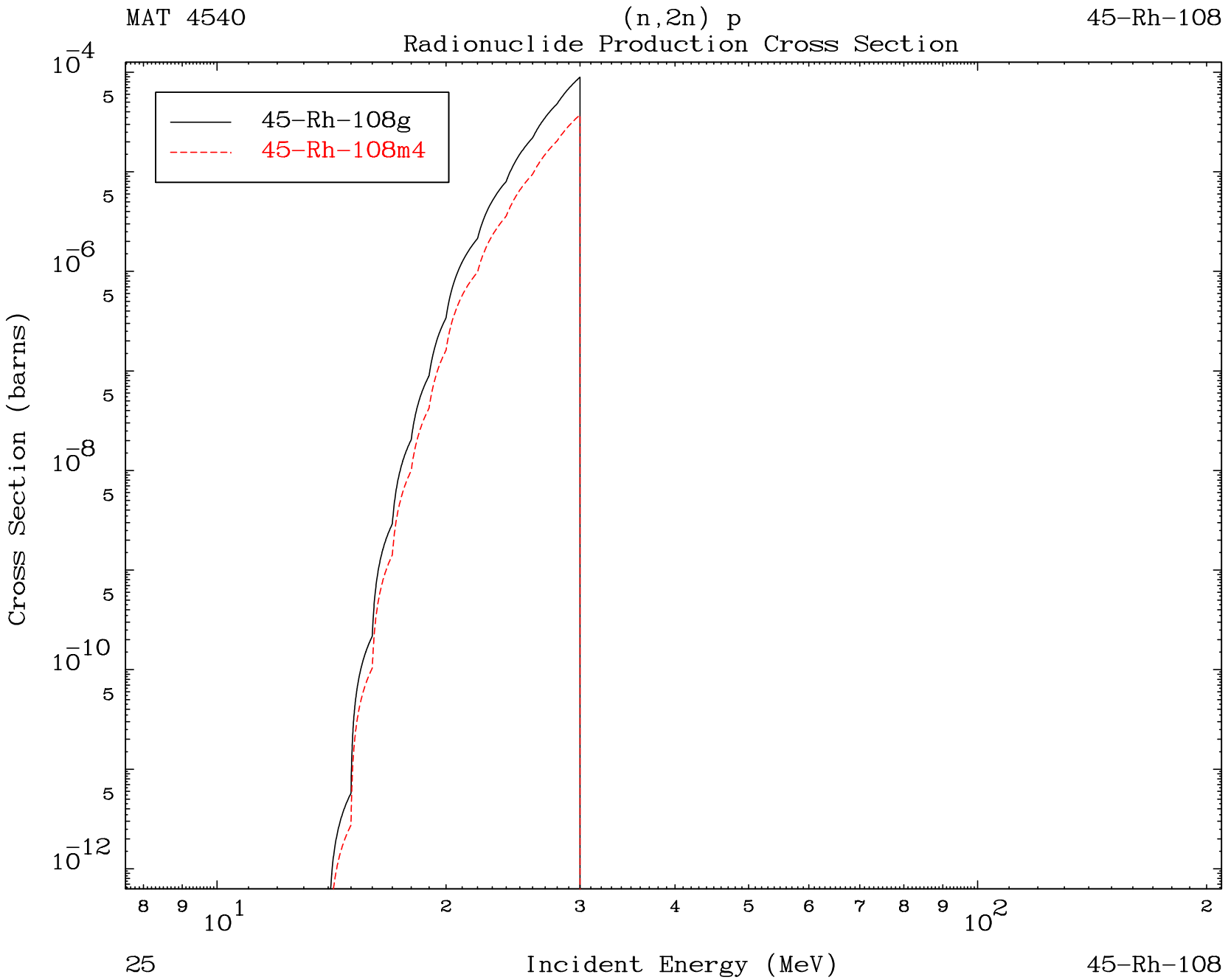

MAT 4540
(n,n') p
45-Rh-108
Radionuclide Production Cross Section
46-Pd-109g
46-Pd-109m2
Cross Section (barns)
Incident Energy (MeV)
20
45-Rh-108

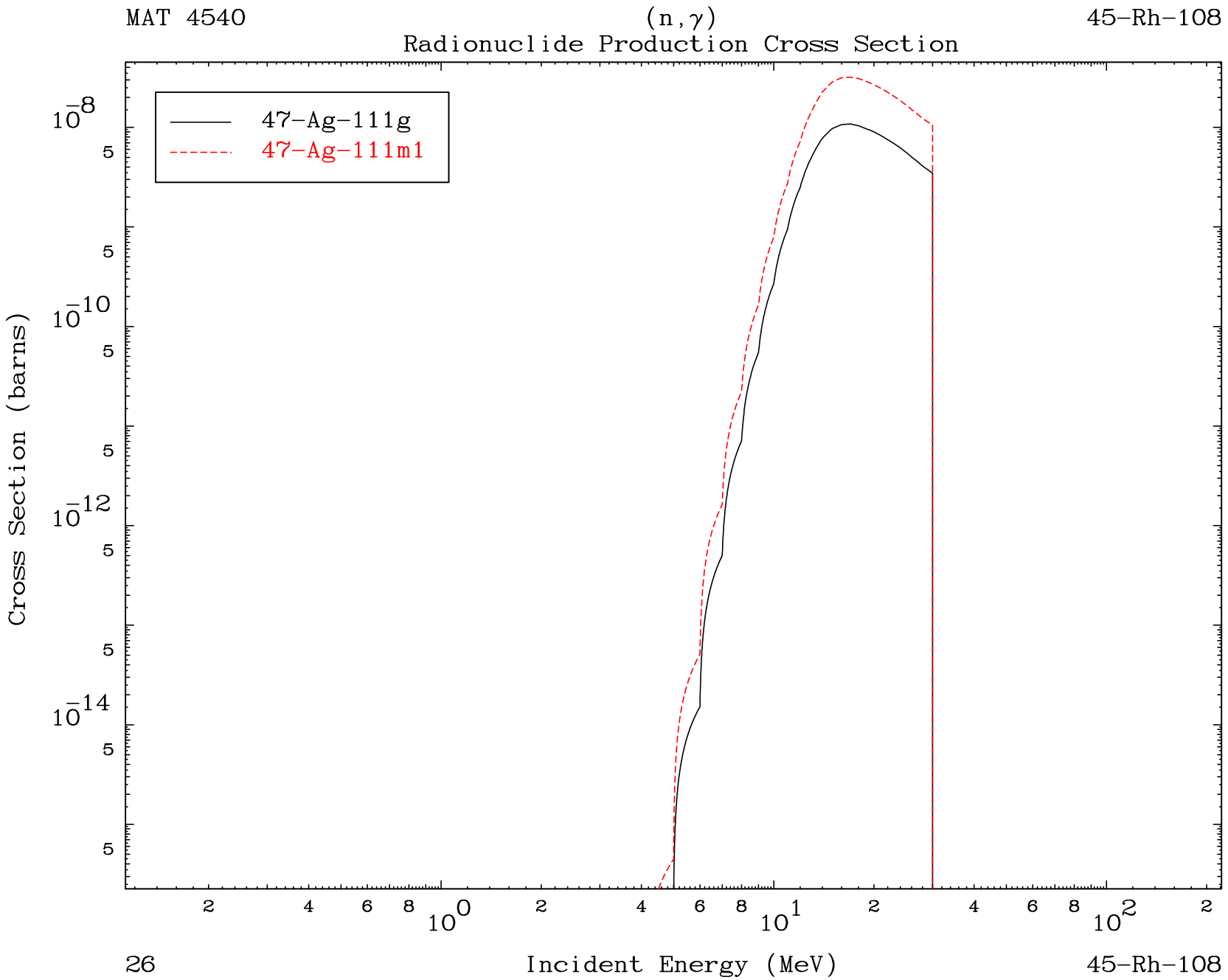

MAT 4540
(n,n') 2α
45-Rh-108
Radionuclide Production Cross Section
43-Tc-102g
43-Tc-102m3
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^0
10^1
10^2
2
4
6
8
21
Incident Energy (MeV)
45-Rh-108

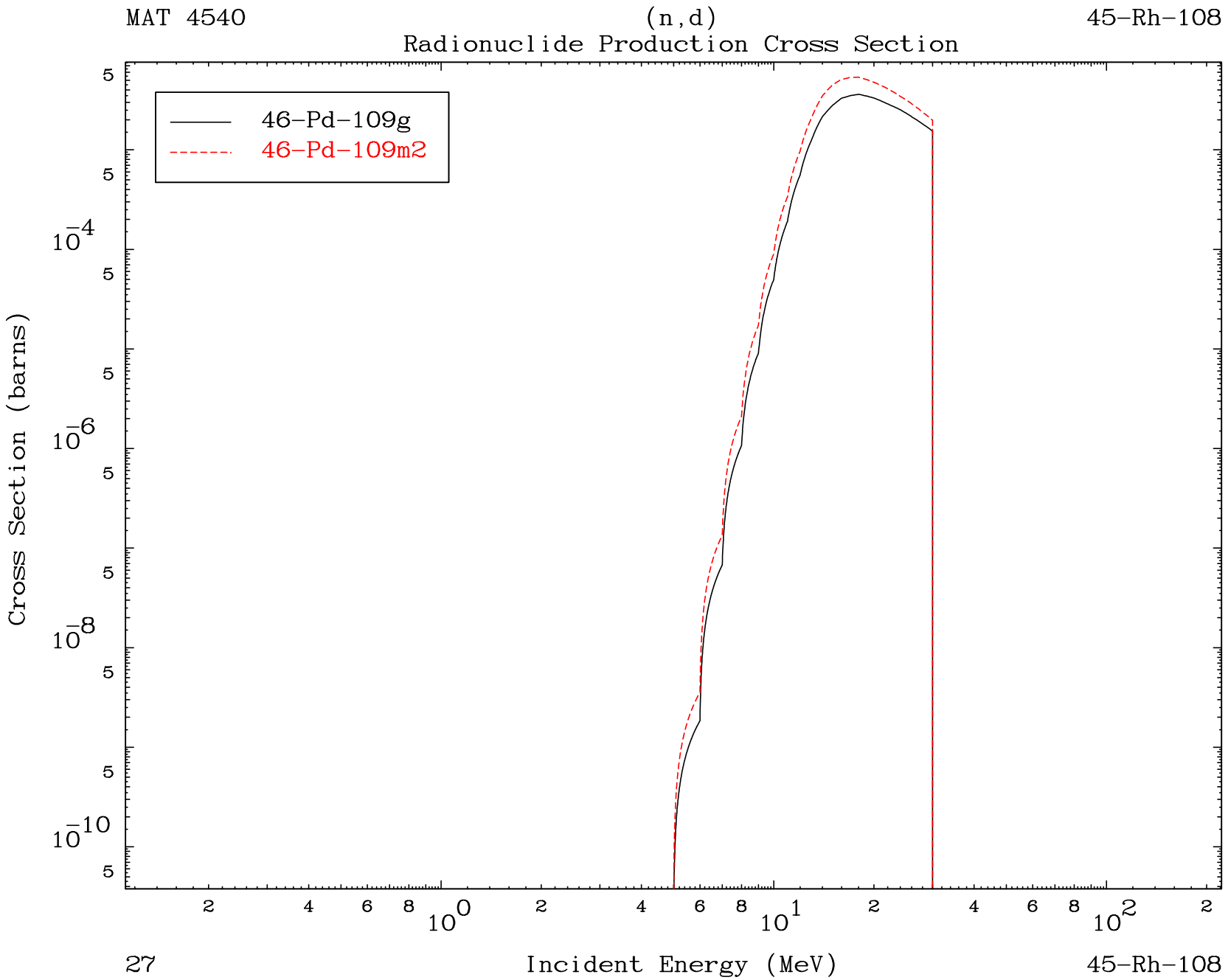

MAT 4540
(n,n') t
45-Rh-108
Radionuclide Production Cross Section
46-Pd-107g
46-Pd-107m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
10 1
2
3
4
5
6
7
8
9
10 2
2
22
Incident Energy (MeV)
45-Rh-108

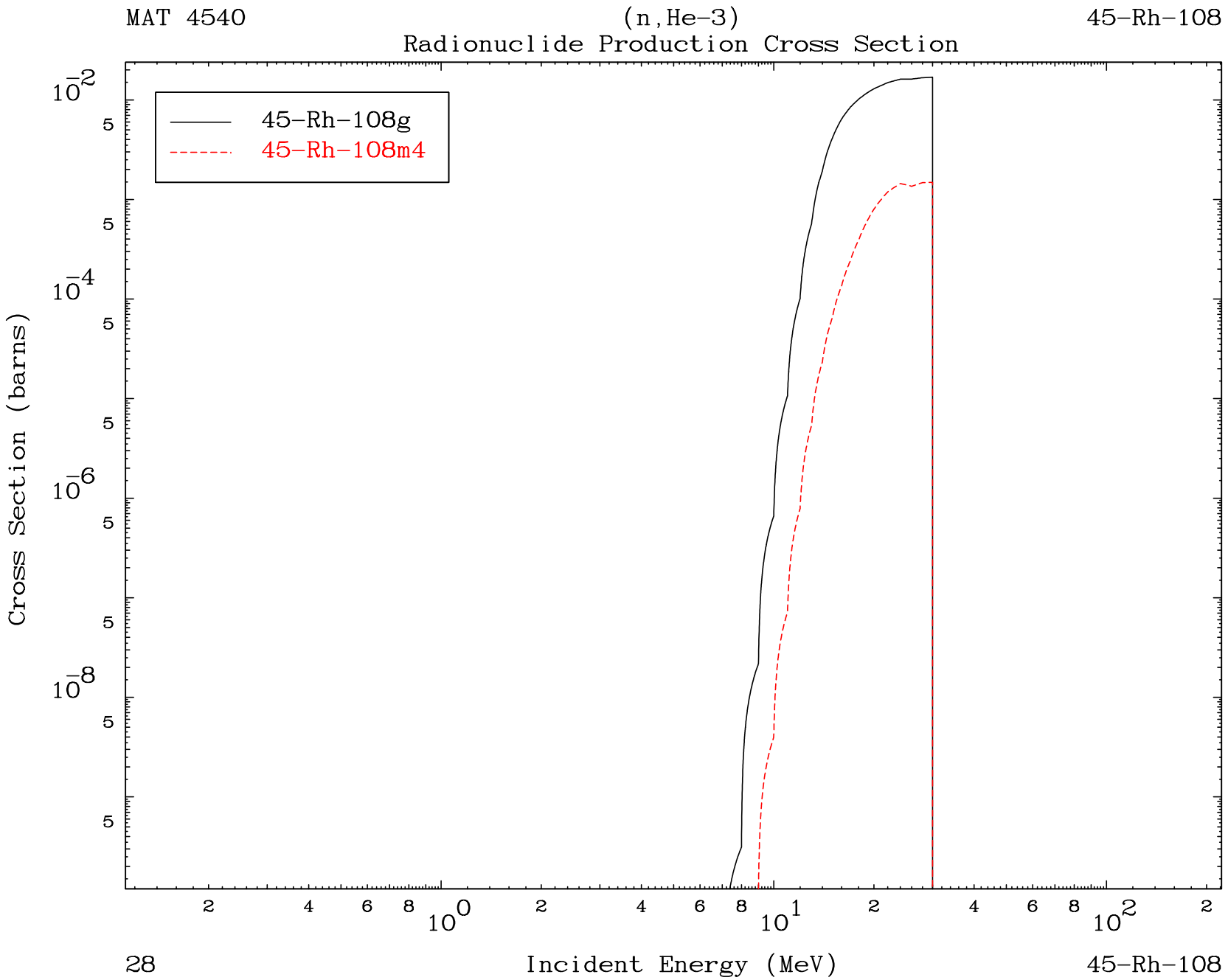

MAT 4540
(n,4n)
45-Rh-108
Radionuclide Production Cross Section
47-Ag-107g
47-Ag-107m1
Cross Section (barns)
10-2
10-3
10-4
10-5
10-6
10-7
2
3
4
5
6
7
8
9
10 2
2
23
Incident Energy (MeV)
45-Rh-108

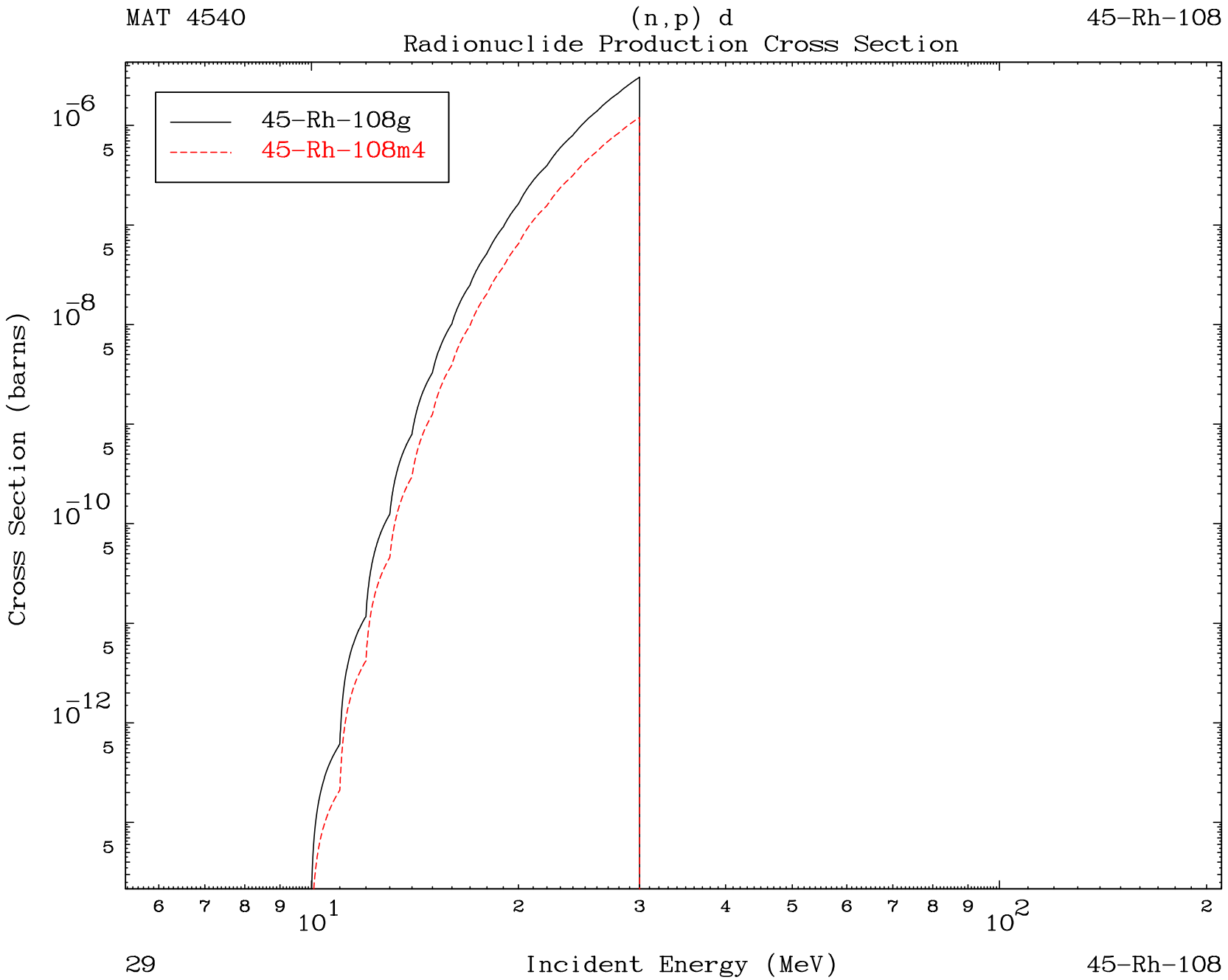

MAT 4540
(n,3n) p
45-Rh-108
Radionuclide Production Cross Section
46-Pd-107g
46-Pd-107m2
Cross Section (barns)
Incident Energy (MeV)
24
45-Rh-108


MAT 4540
(n,2n) p
45-Rh-108
Radionuclide Production Cross Section
45-Rh-108g
45-Rh-108m4
Cross Section (barns)
Incident Energy (MeV)
25
45-Rh-108


MAT 4540
(n,γ)
45-Rh-108
Radionuclide Production Cross Section
47-Ag-111g
47-Ag-111m1
Cross Section (barns)
Incident Energy (MeV)
26
45-Rh-108


MAT 4540
(n,d)
45-Rh-108
Radionuclide Production Cross Section
46-Pd-109g
46-Pd-109m2
Cross Section (barns)
Incident Energy (MeV)
27
45-Rh-108


MAT 4540
(n,He-3)
45-Rh-108
Radionuclide Production Cross Section
45-Rh-108g
45-Rh-108m4
Cross Section (barns)
Incident Energy (MeV)
28
45-Rh-108


MAT 4540
(n,p) d
45-Rh-108
Radionuclide Production Cross Section
45-Rh-108g
45-Rh-108m4
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
29
Incident Energy (MeV)
45-Rh-108