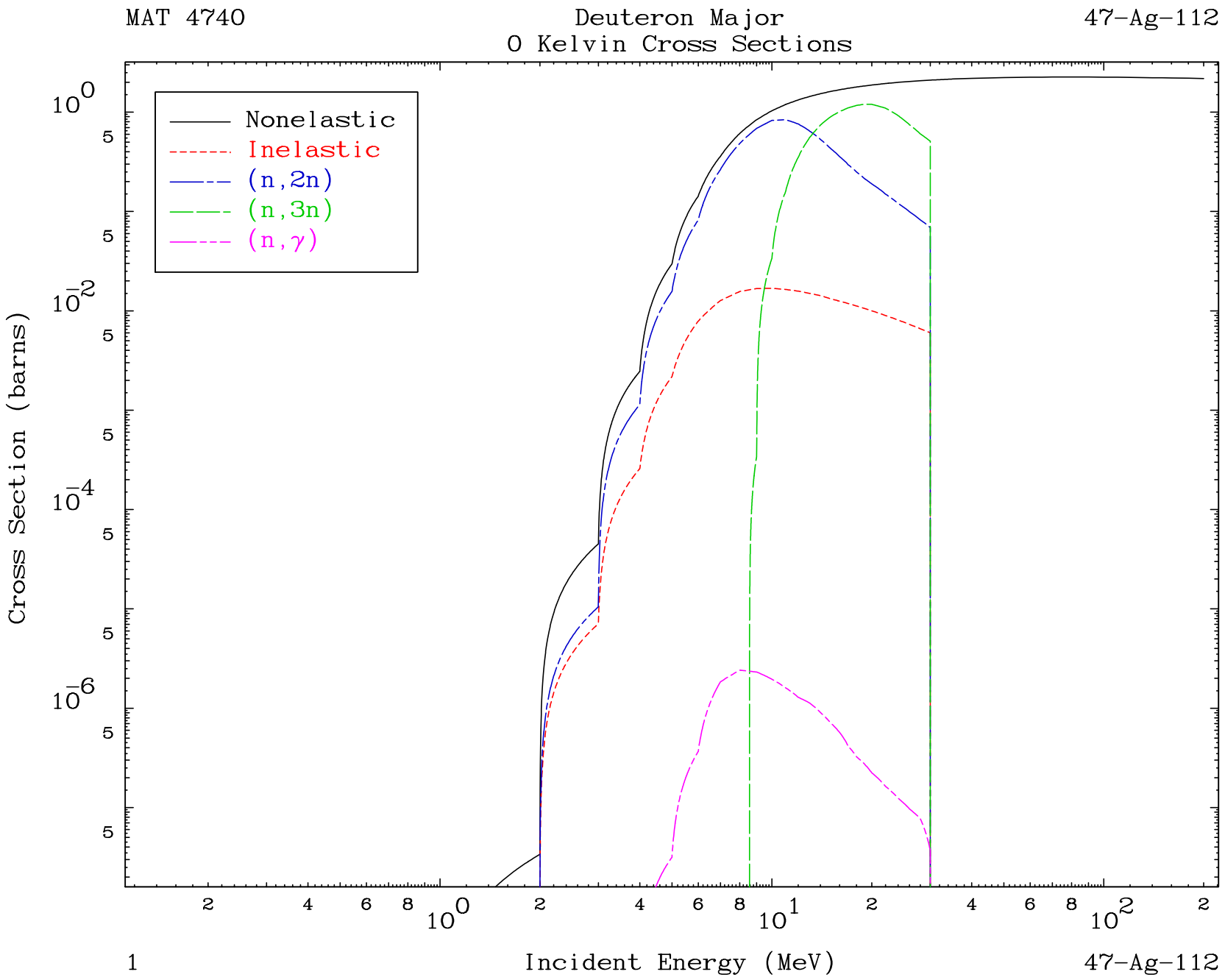
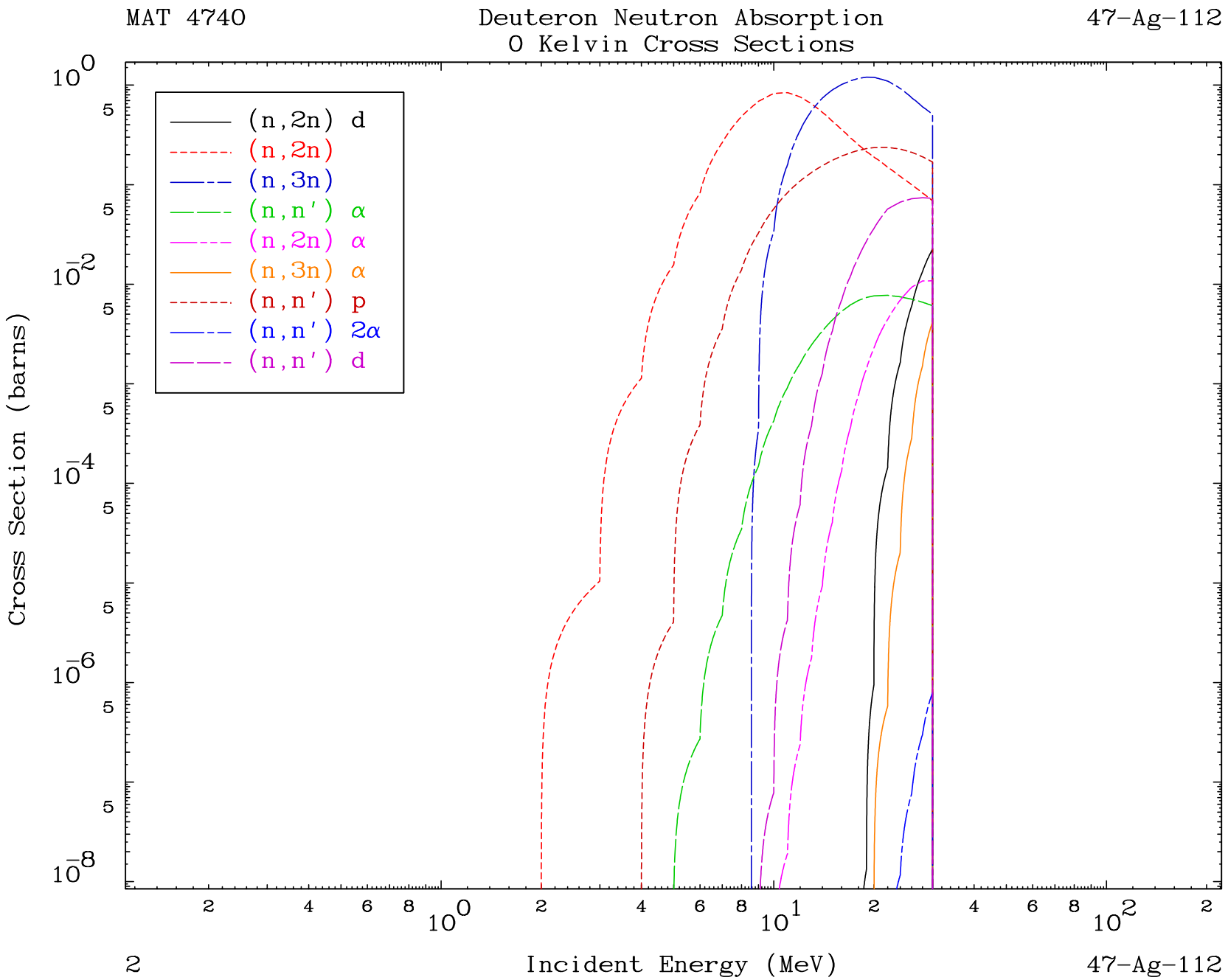
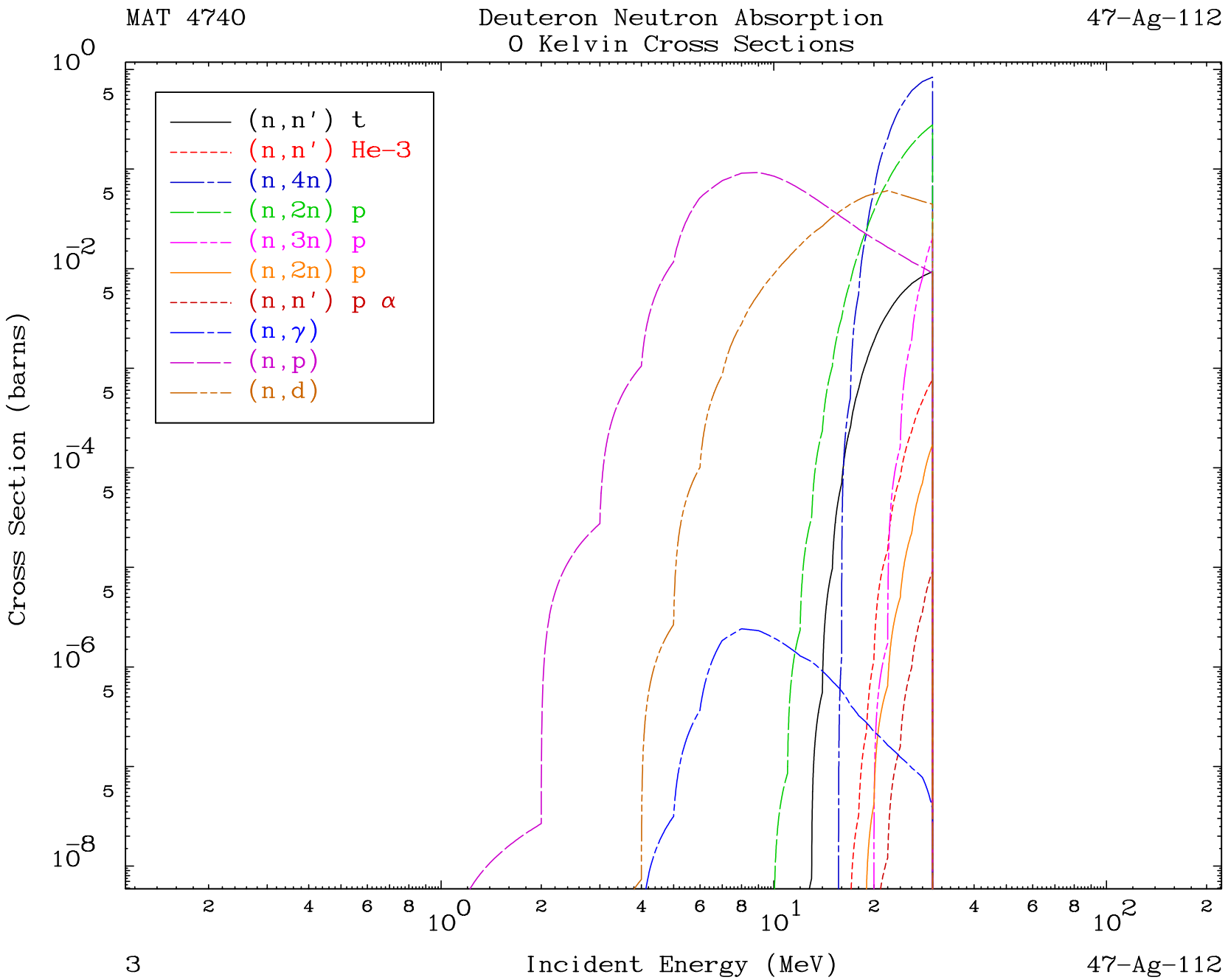
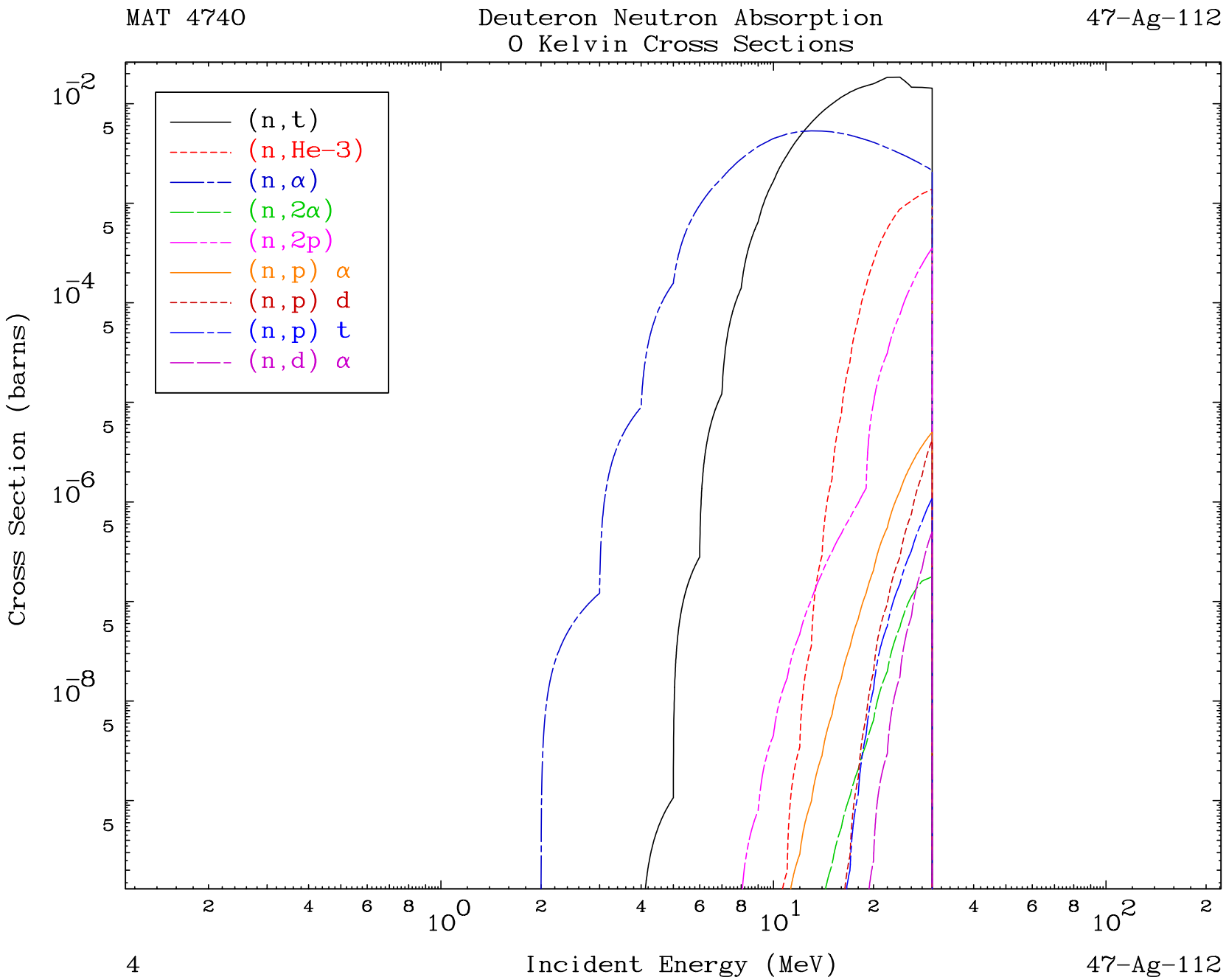
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

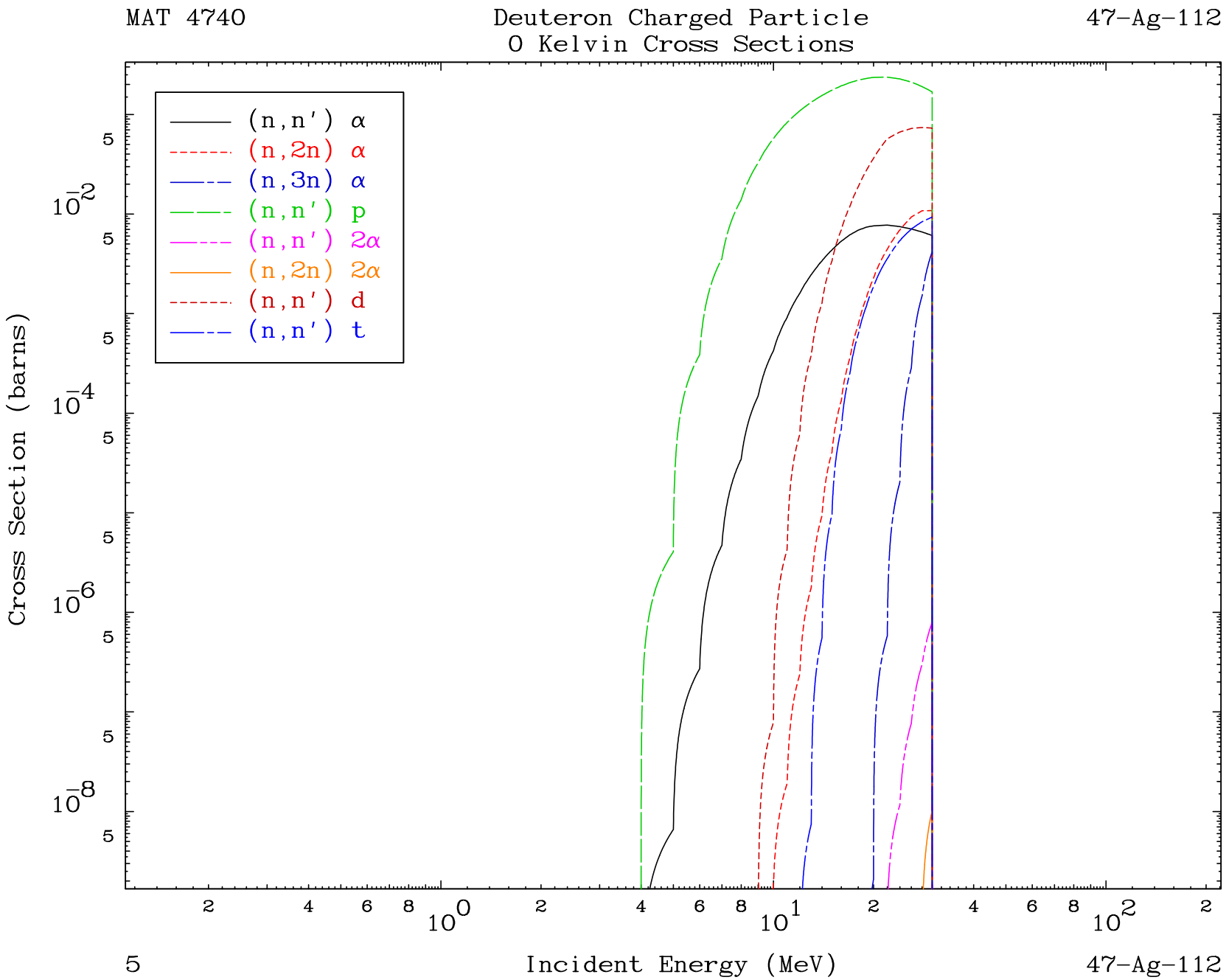
Press Mouse Button to Start

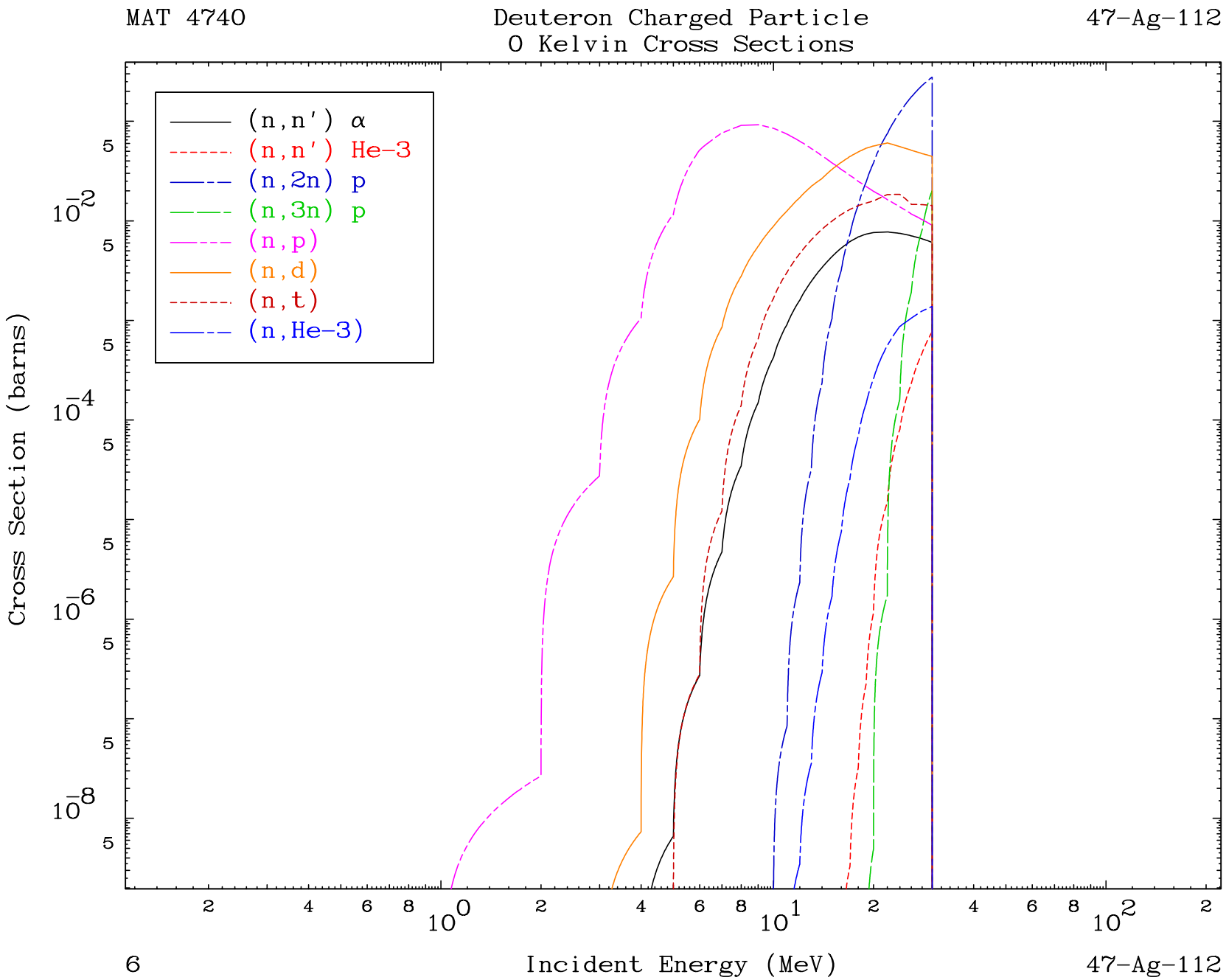

MAT 4740
Deuteron Major
47-Ag-112
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
47-Ag-112
1

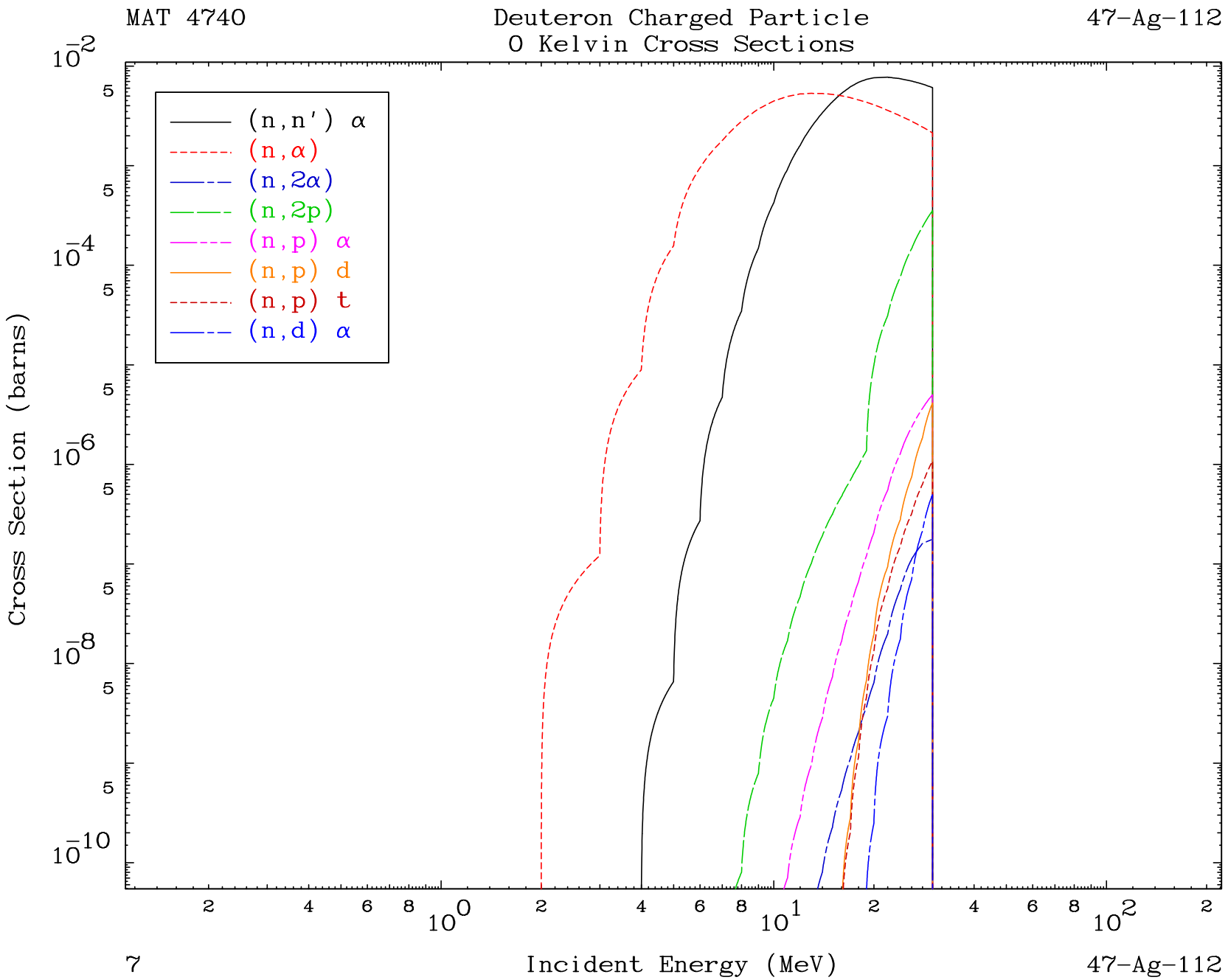

MAT 4740
Deuteron Neutron Absorption
0 Kelvin Cross Sections
47-Ag-112
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
47-Ag-112
2

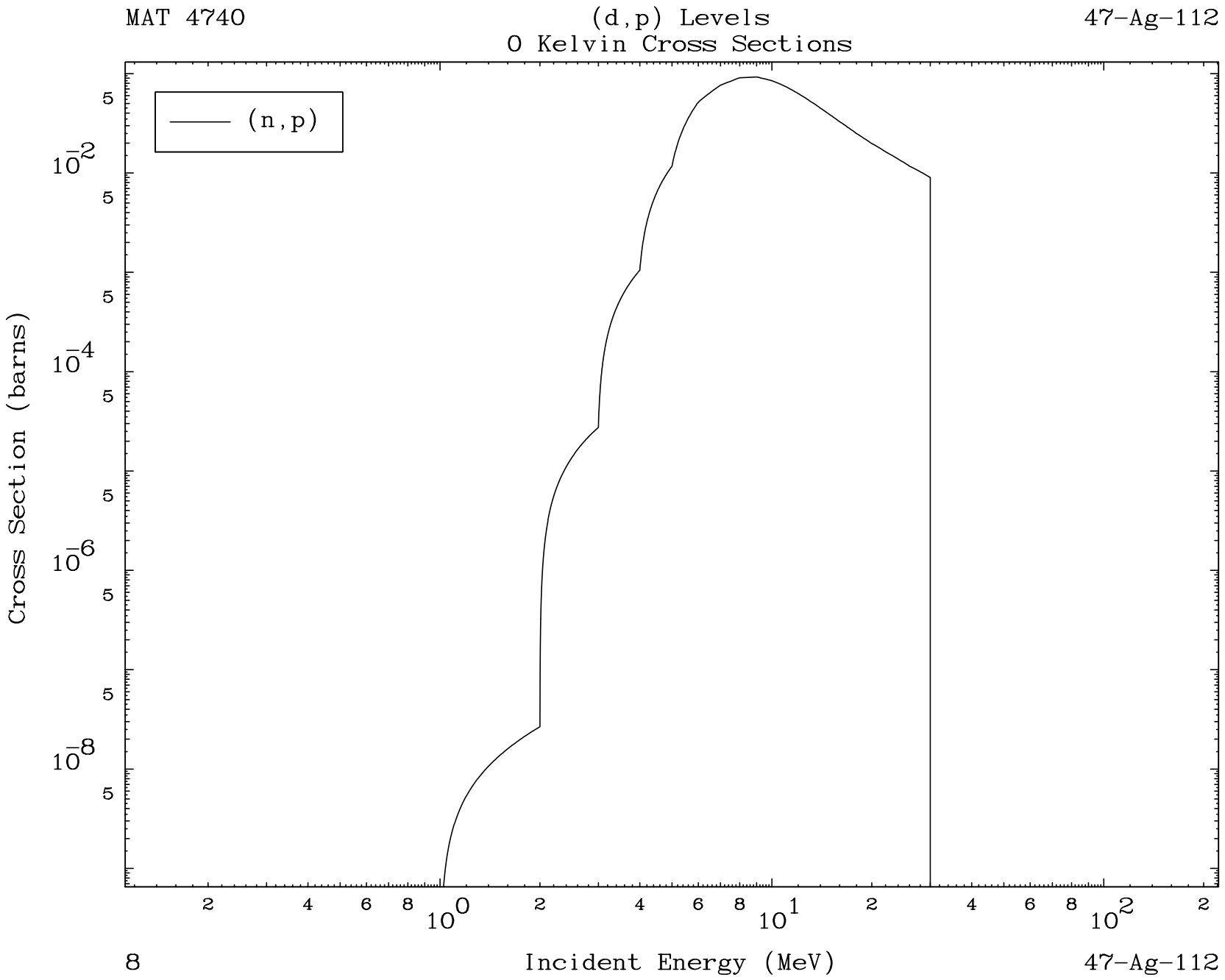

MAT 4740
Deuteron Neutron Absorption
0 Kelvin Cross Sections
47-Ag-112
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
47-Ag-112

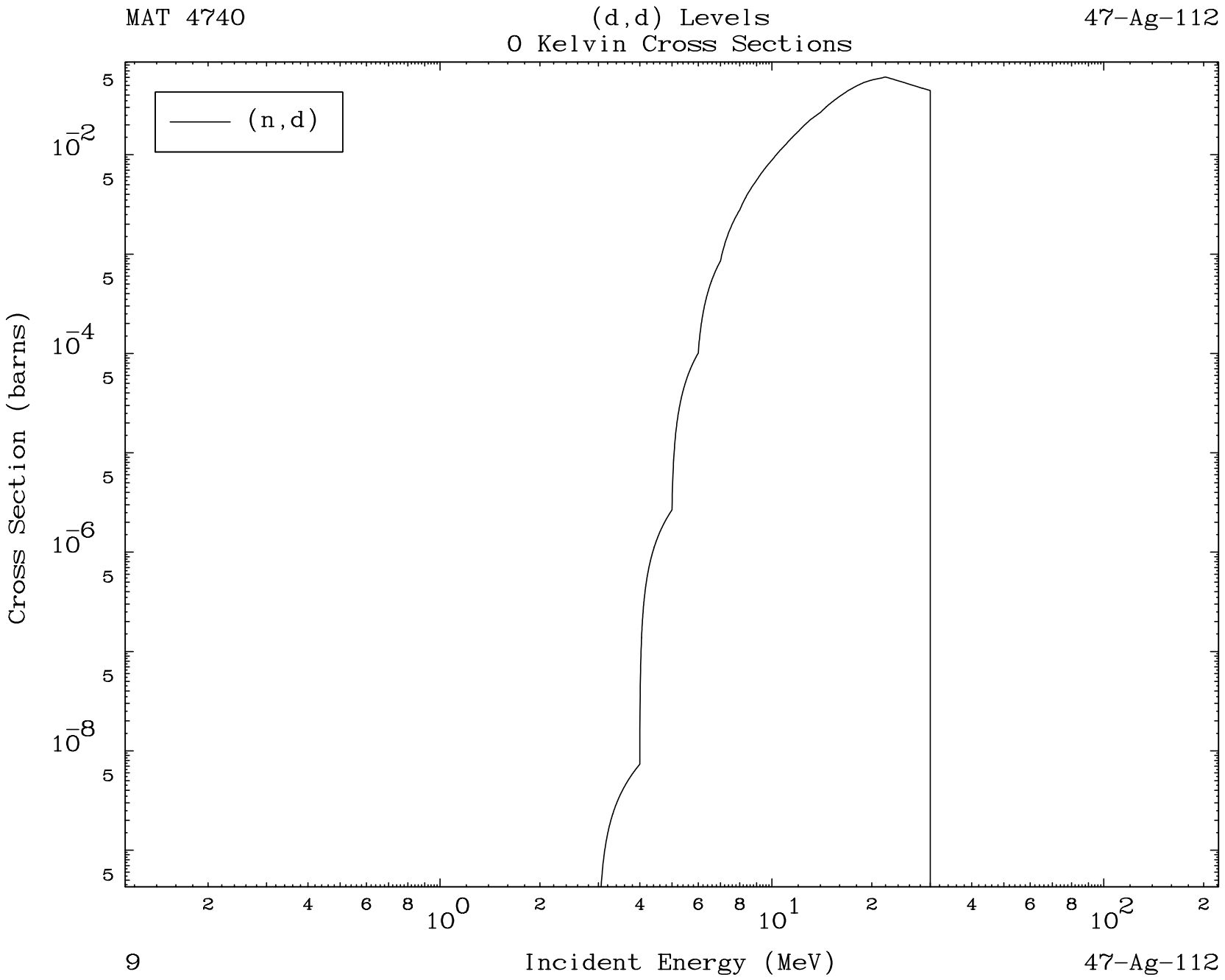

MAT 4740
Deuteron Neutron Absorption
0 Kelvin Cross Sections
47-Ag-112
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
47-Ag-112

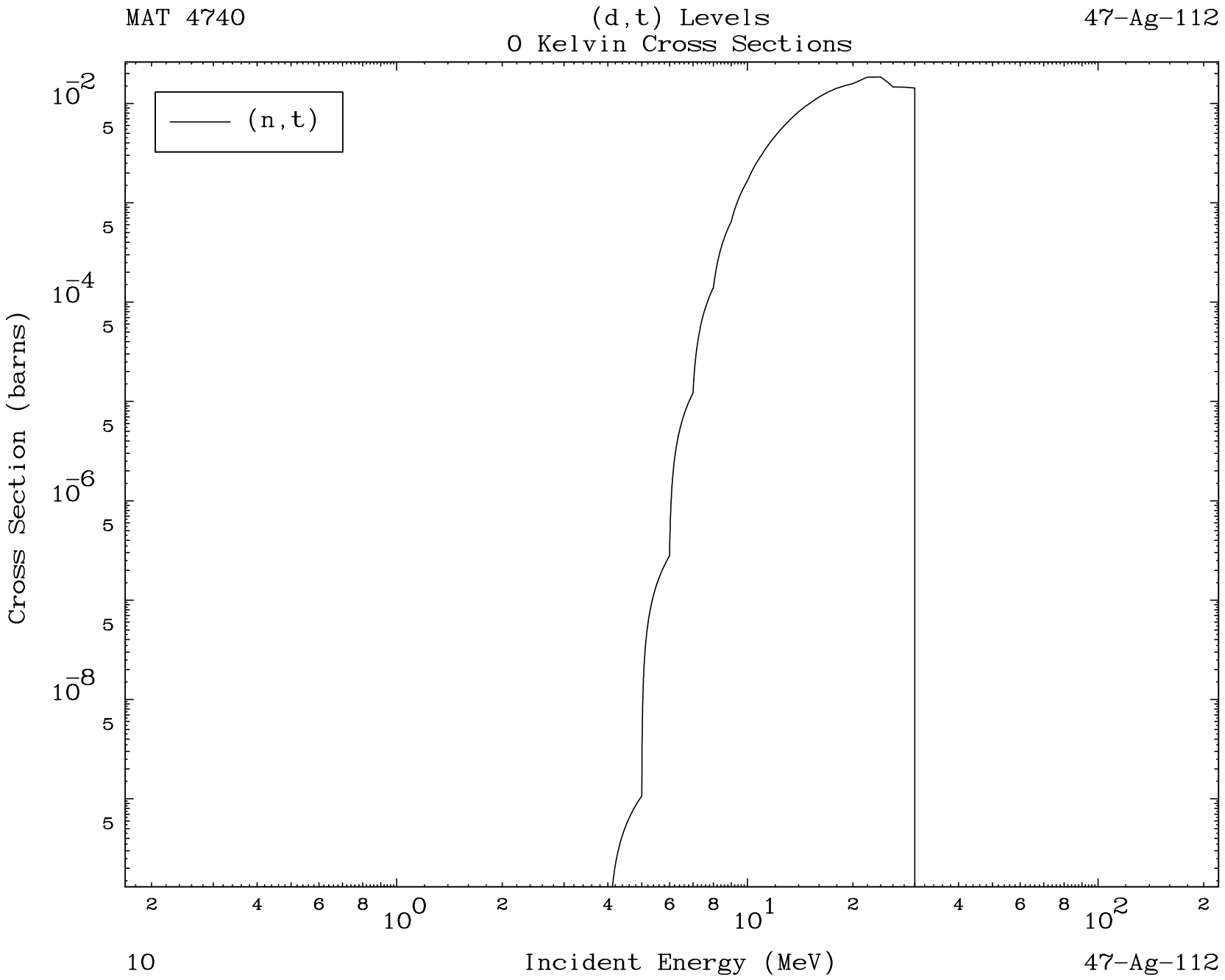

MAT 4740
Deuteron Charged Particle
0 Kelvin Cross Sections
47-Ag-112
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
5
47-Ag-112

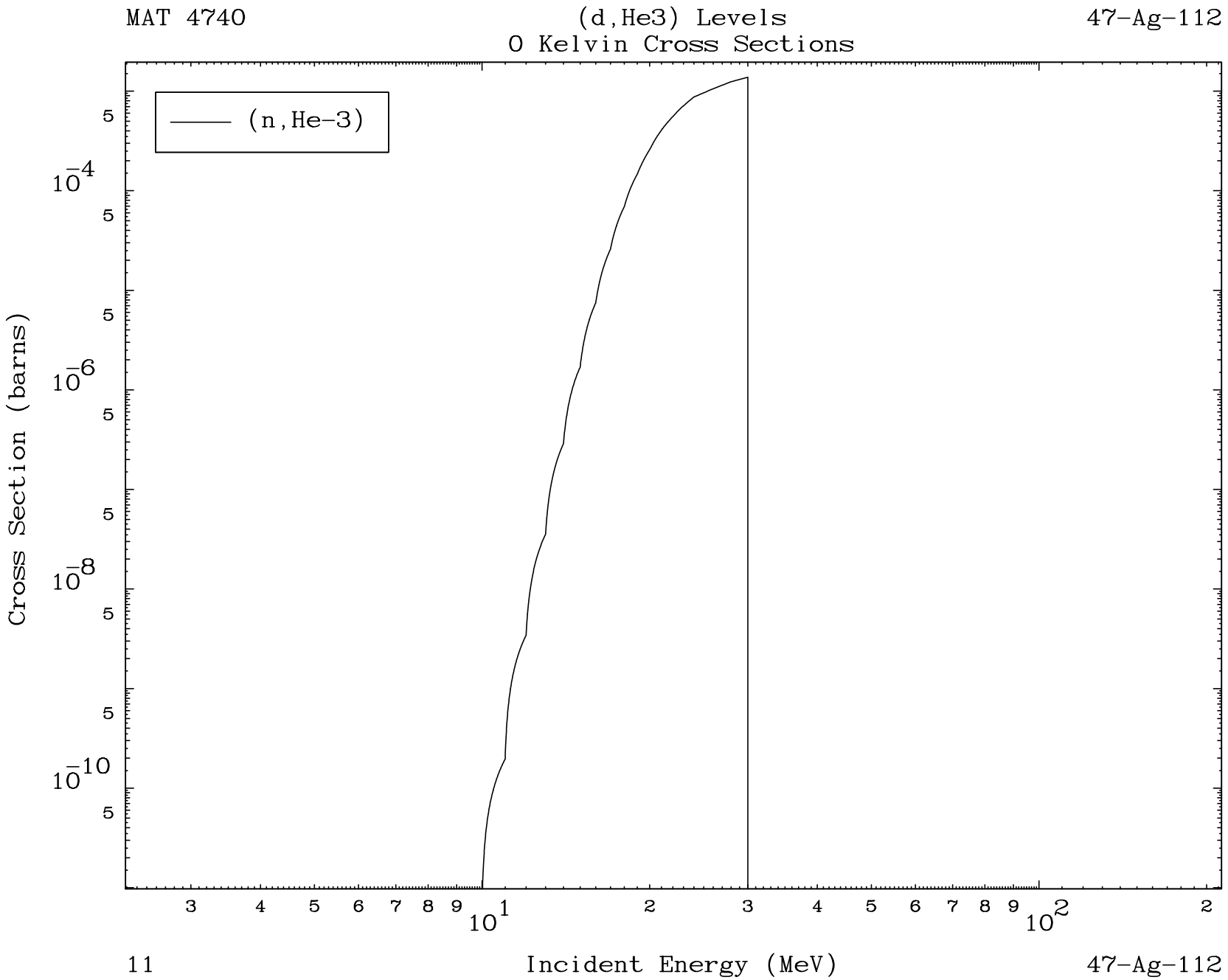

MAT 4740
Deuteron Charged Particle
0 Kelvin Cross Sections
47-Ag-112
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
47-Ag-112

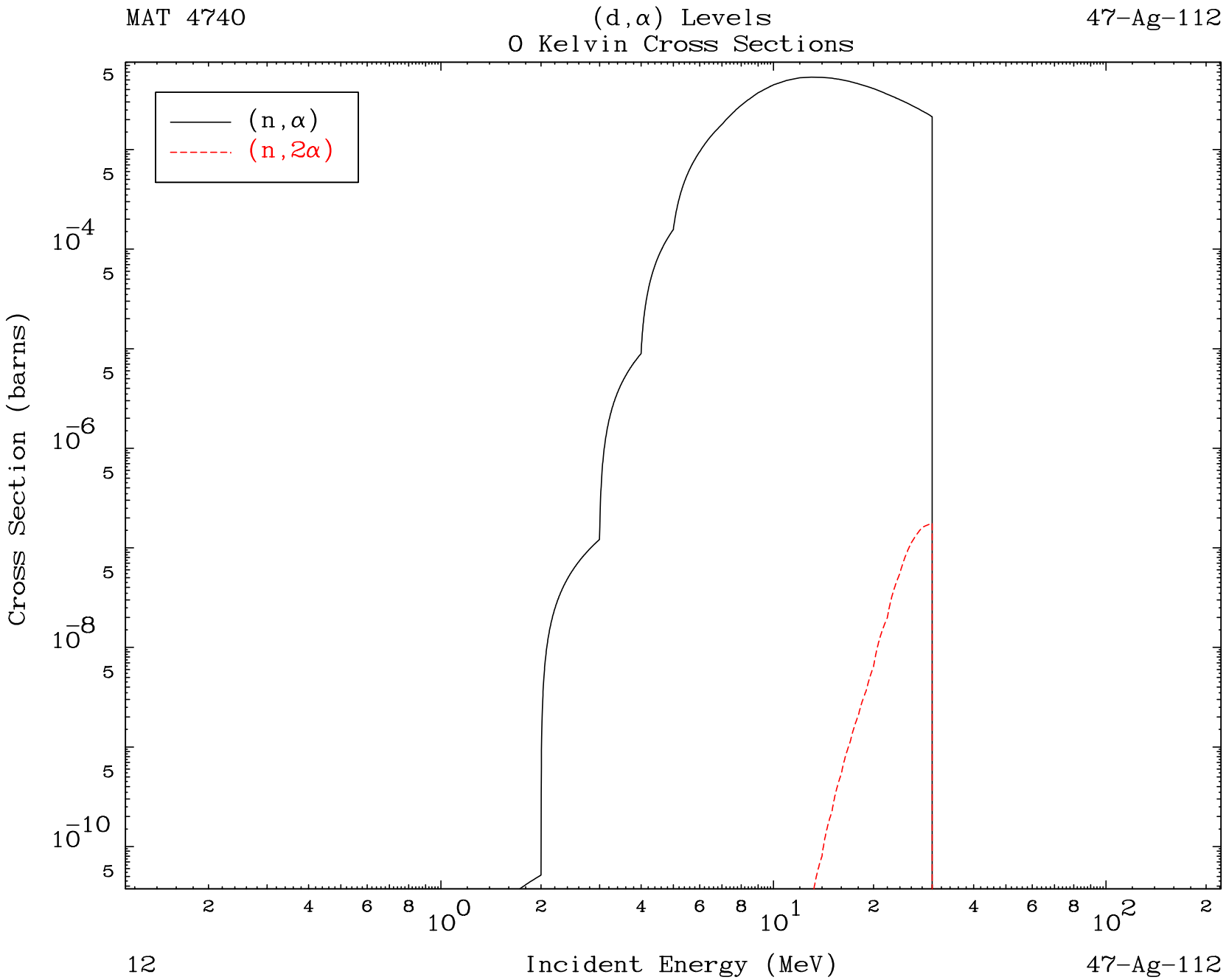

MAT 4740
Deuteron Charged Particle
0 Kelvin Cross Sections
47-Ag-112
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
47-Ag-112

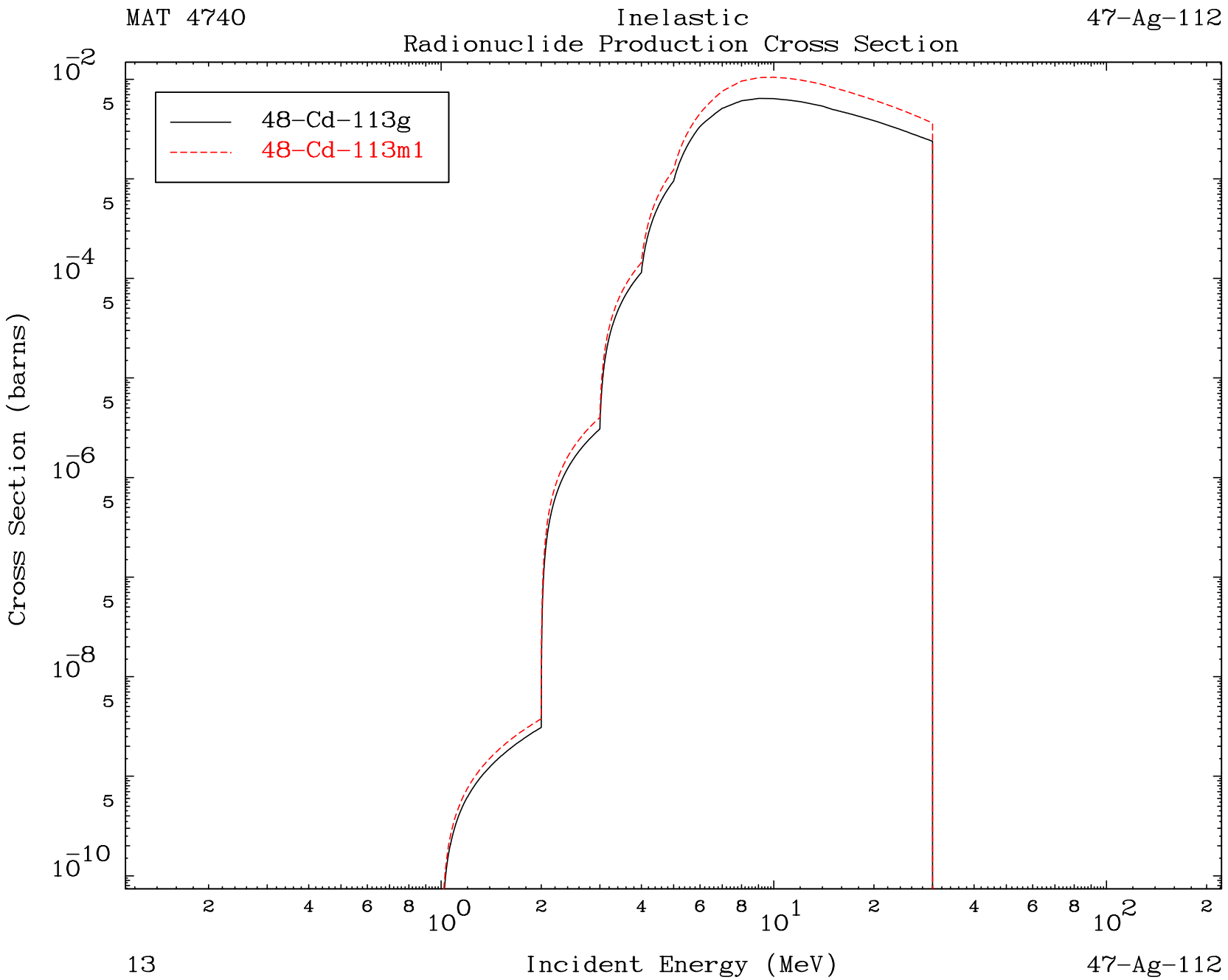

MAT 4740
(d,p) Levels
47-Ag-112
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
47-Ag-112

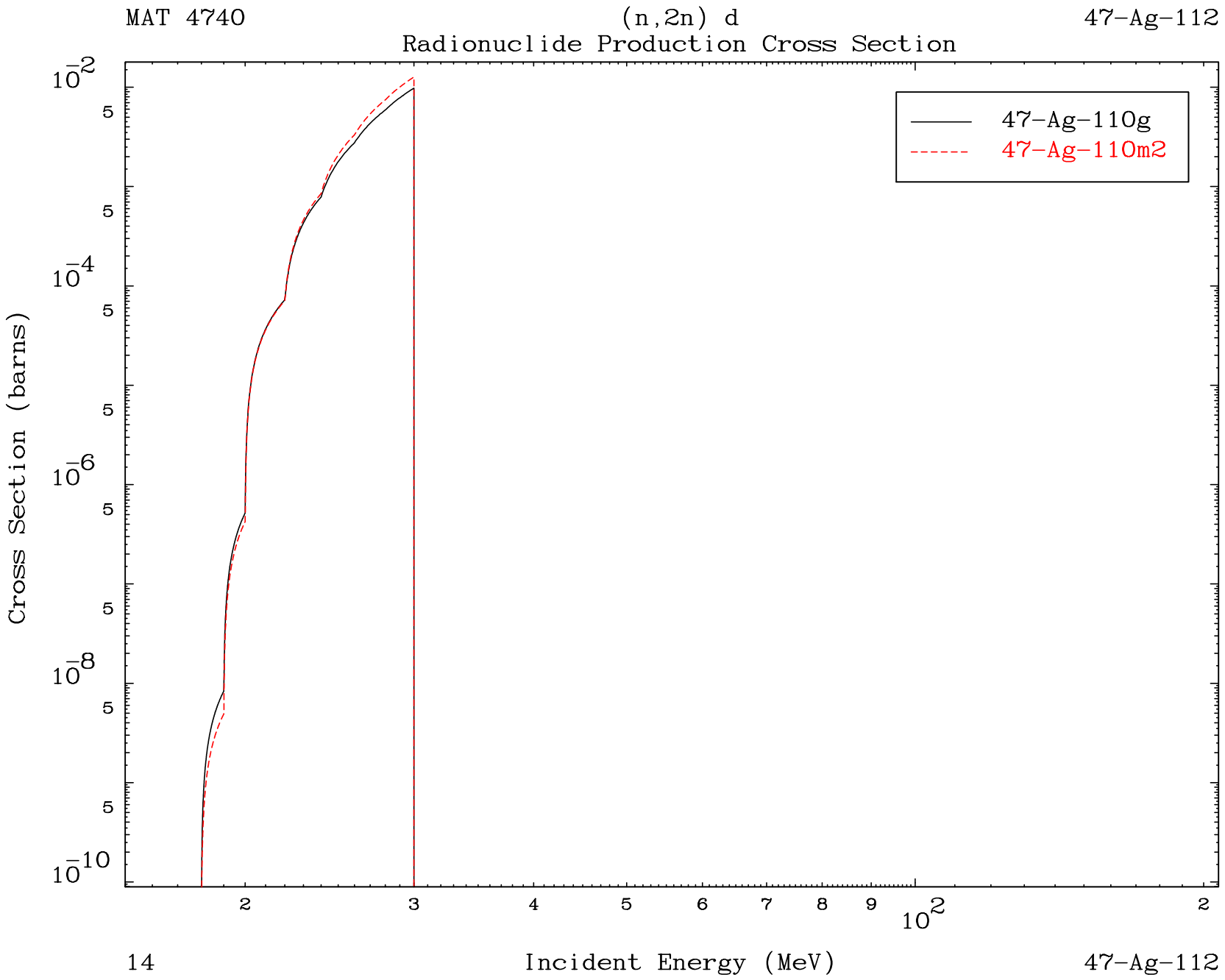

MAT 4740
(d,d) Levels
47-Ag-112
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
47-Ag-112

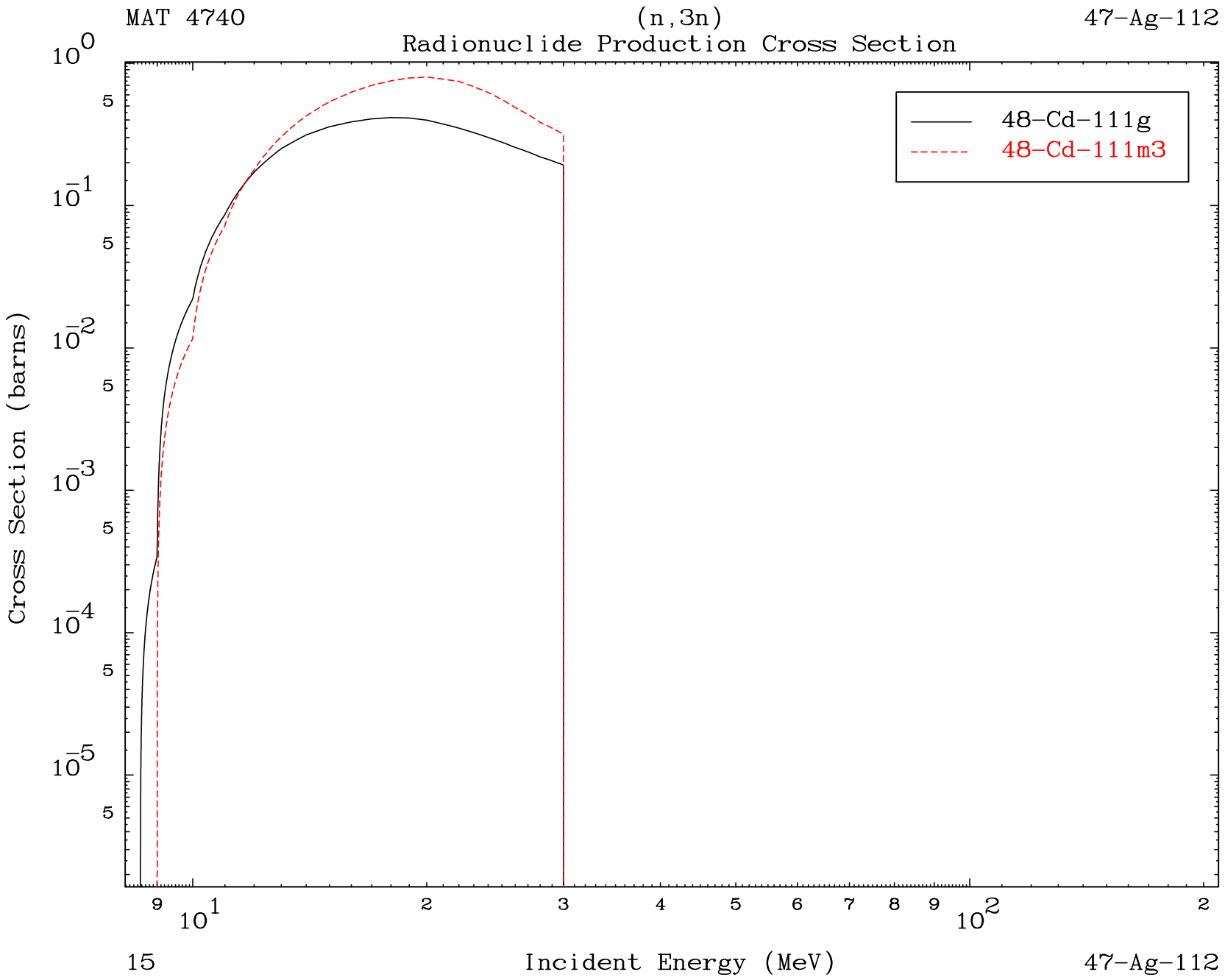

MAT 4740
(d,t) Levels
47-Ag-112
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
47-Ag-112

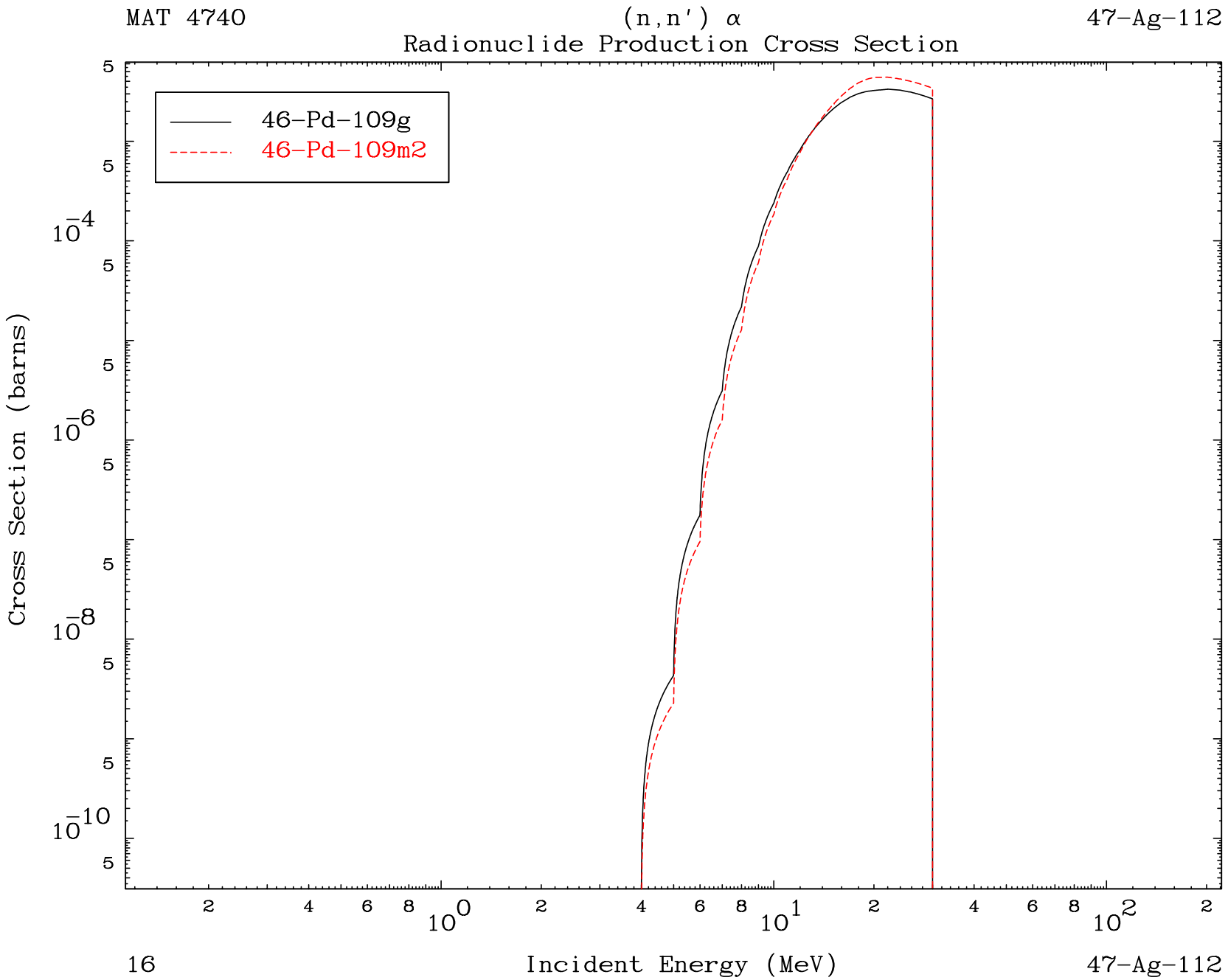

MAT 4740
(d,He3) Levels
47-Ag-112
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
11
47-Ag-112

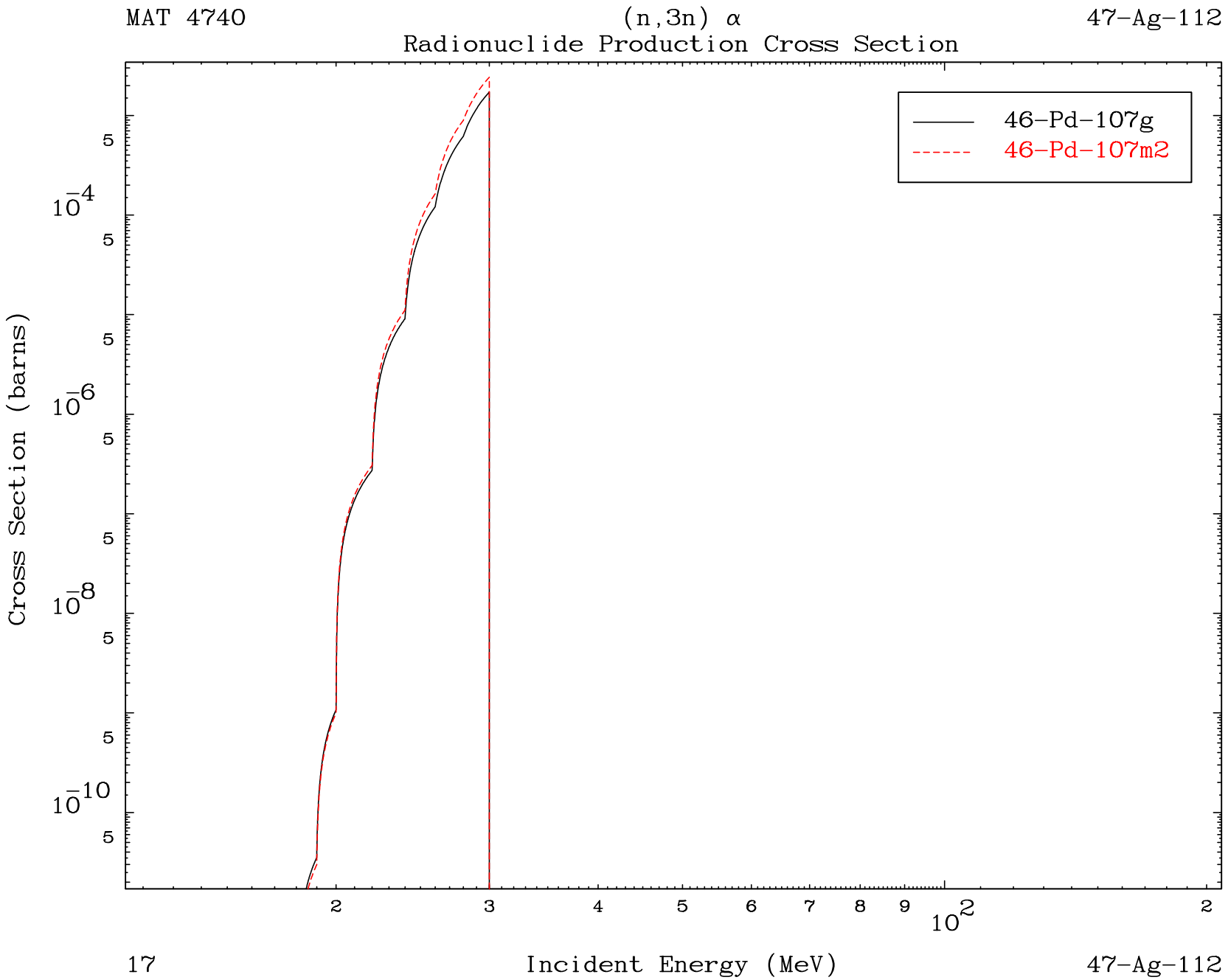

MAT 4740
(d,α) Levels
47-Ag-112
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
12
47-Ag-112

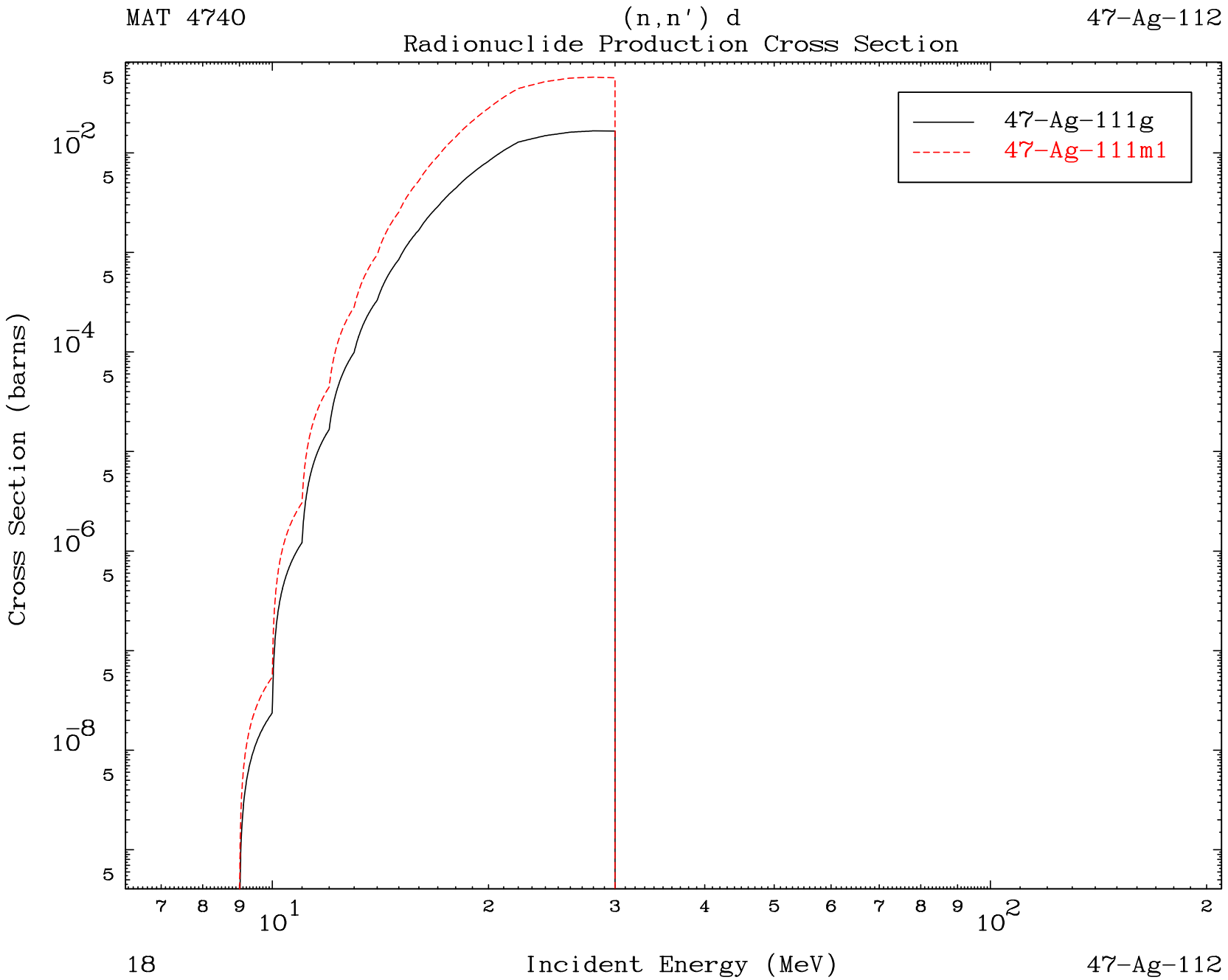

MAT 4740
Inelastic
47-Ag-112
Radionuclide Production Cross Section
48-Cd-113g
48-Cd-113m1
Cross Section (barns)
Incident Energy (MeV)
13
47-Ag-112

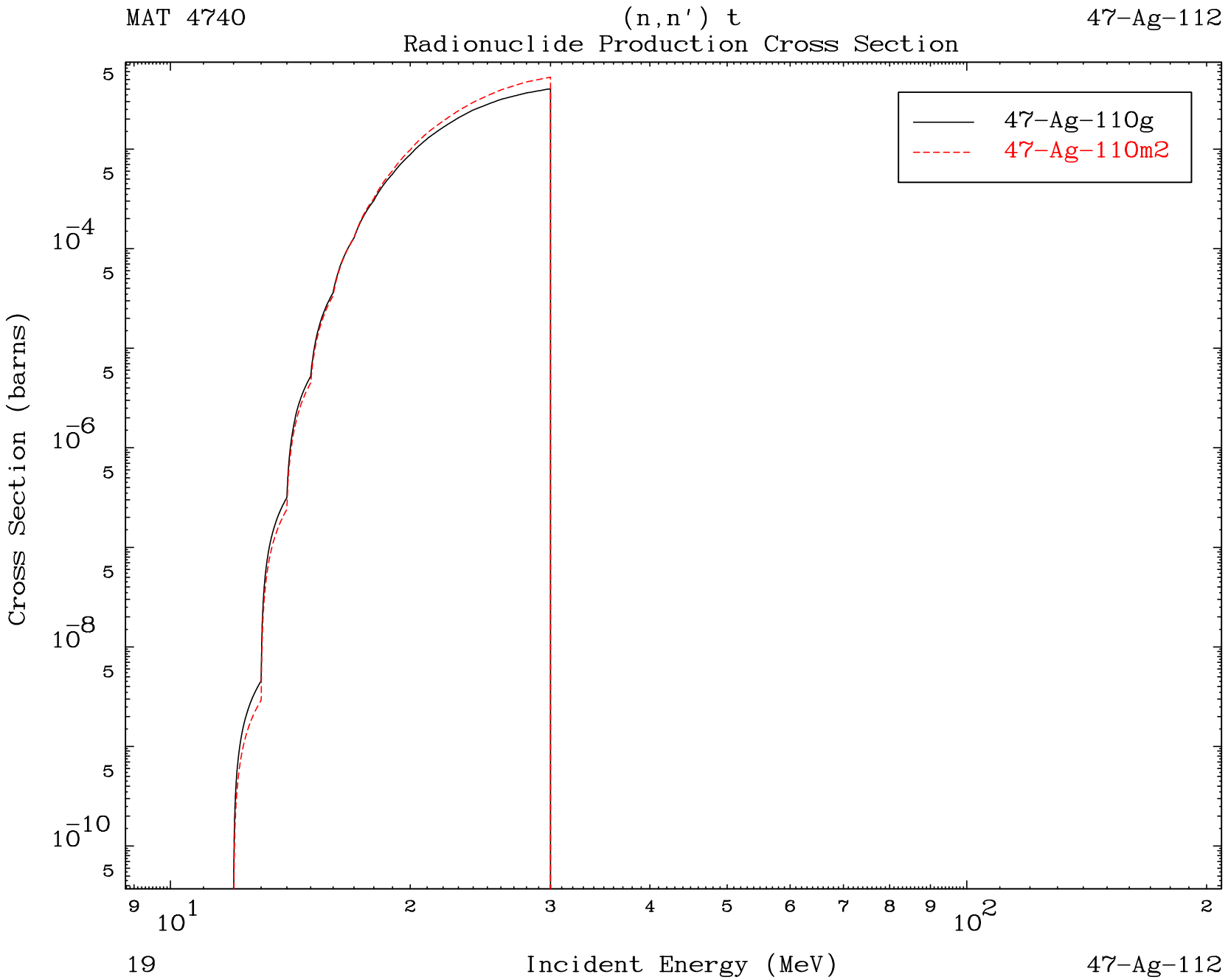

MAT 4740
(n,2n) d
47-Ag-112
Radionuclide Production Cross Section
47-Ag-110g
47-Ag-110m2
Cross Section (barns)
Incident Energy (MeV)
14
47-Ag-112

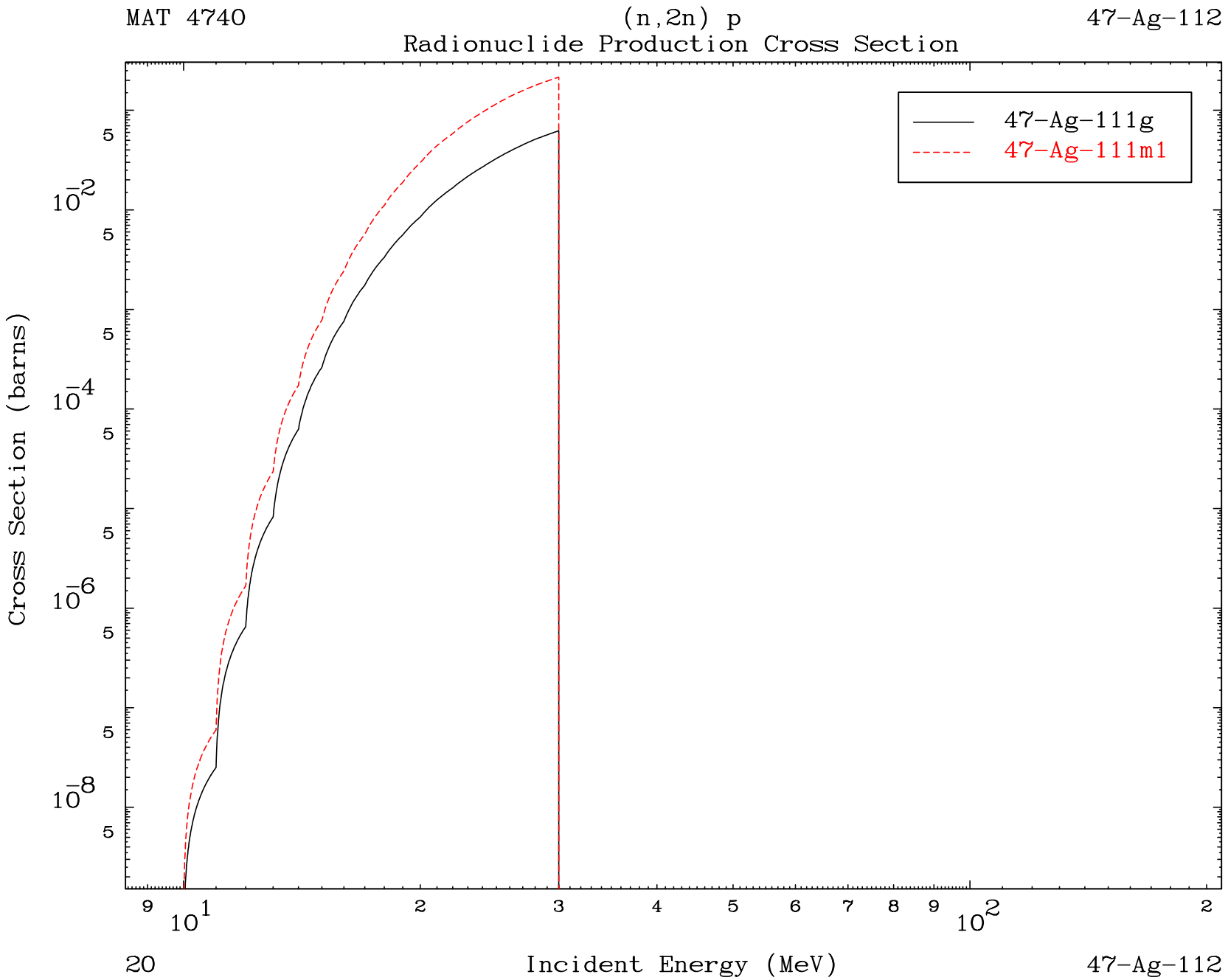

MAT 4740
(n,3n)
47-Ag-112
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
Incident Energy (MeV)
15
47-Ag-112

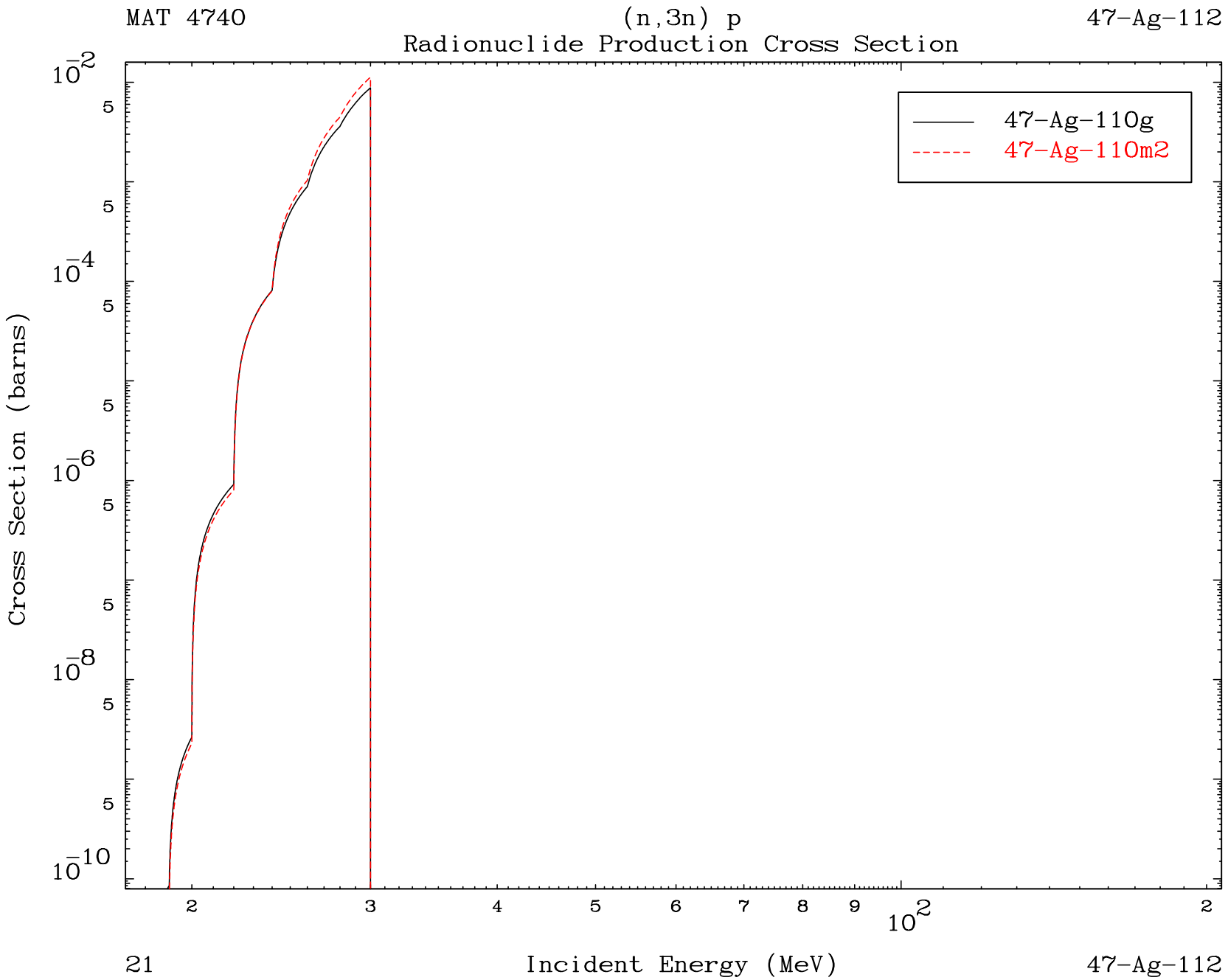

MAT 4740
(n,n') α
47-Ag-112
Radionuclide Production Cross Section
46-Pd-109g
46-Pd-109m2
Cross Section (barns)
Incident Energy (MeV)
16
47-Ag-112

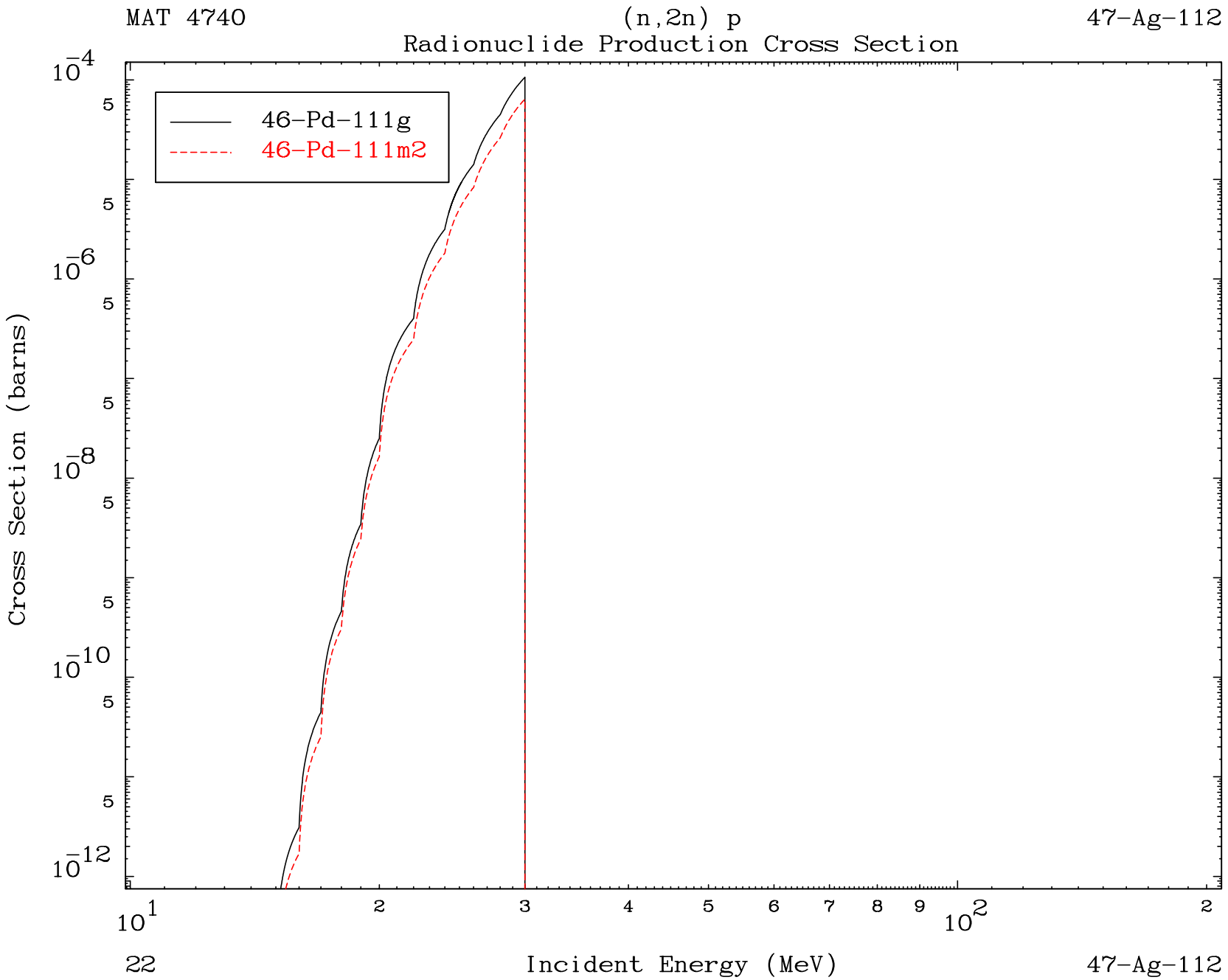

MAT 4740
(n,3n) α
47-Ag-112
Radionuclide Production Cross Section
46-Pd-107g
46-Pd-107m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
17
Incident Energy (MeV)
47-Ag-112

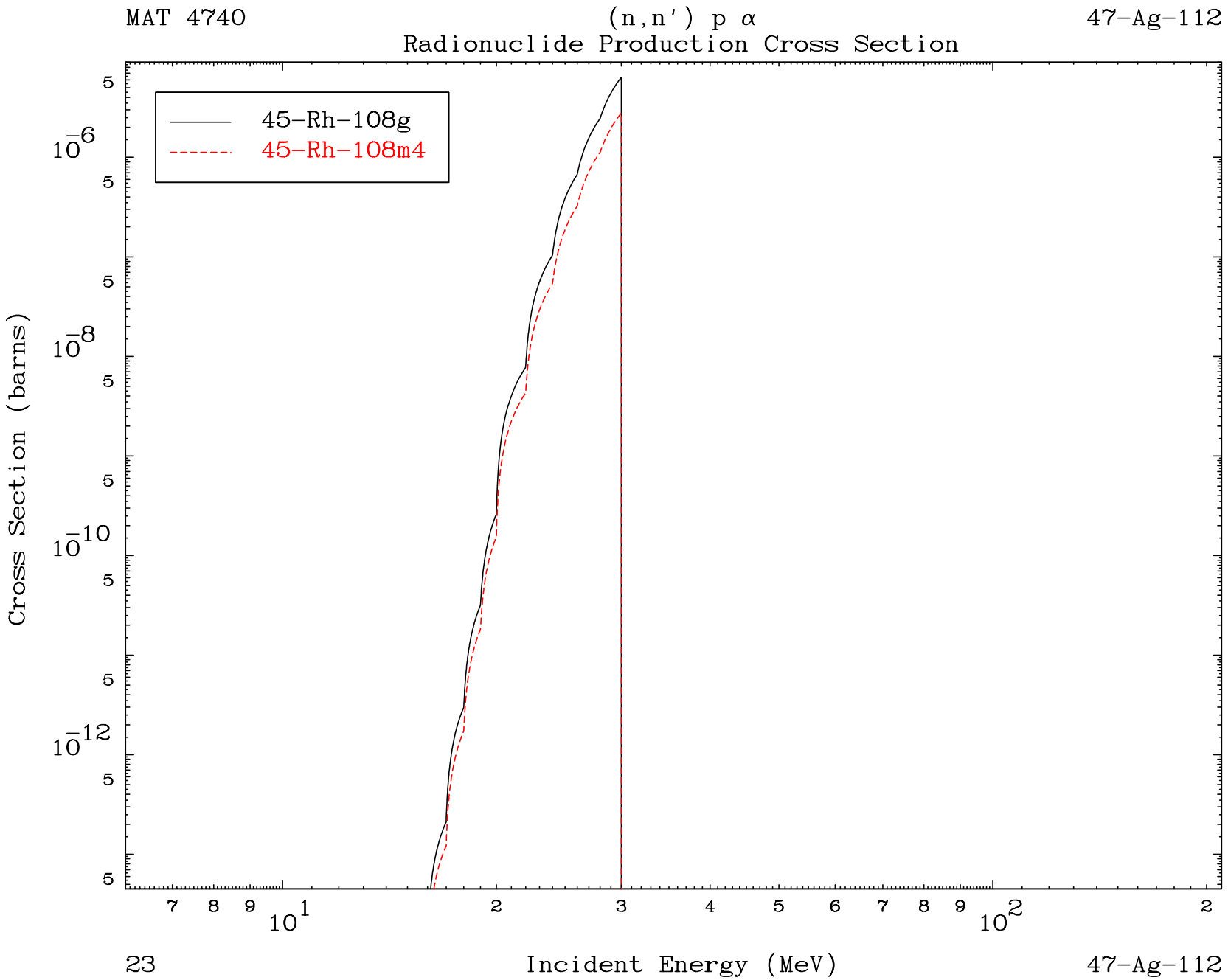

MAT 4740
(n,n') d
47-Ag-112
Radionuclide Production Cross Section
47-Ag-111g
47-Ag-111m1
Cross Section (barns)
Incident Energy (MeV)
18
47-Ag-112

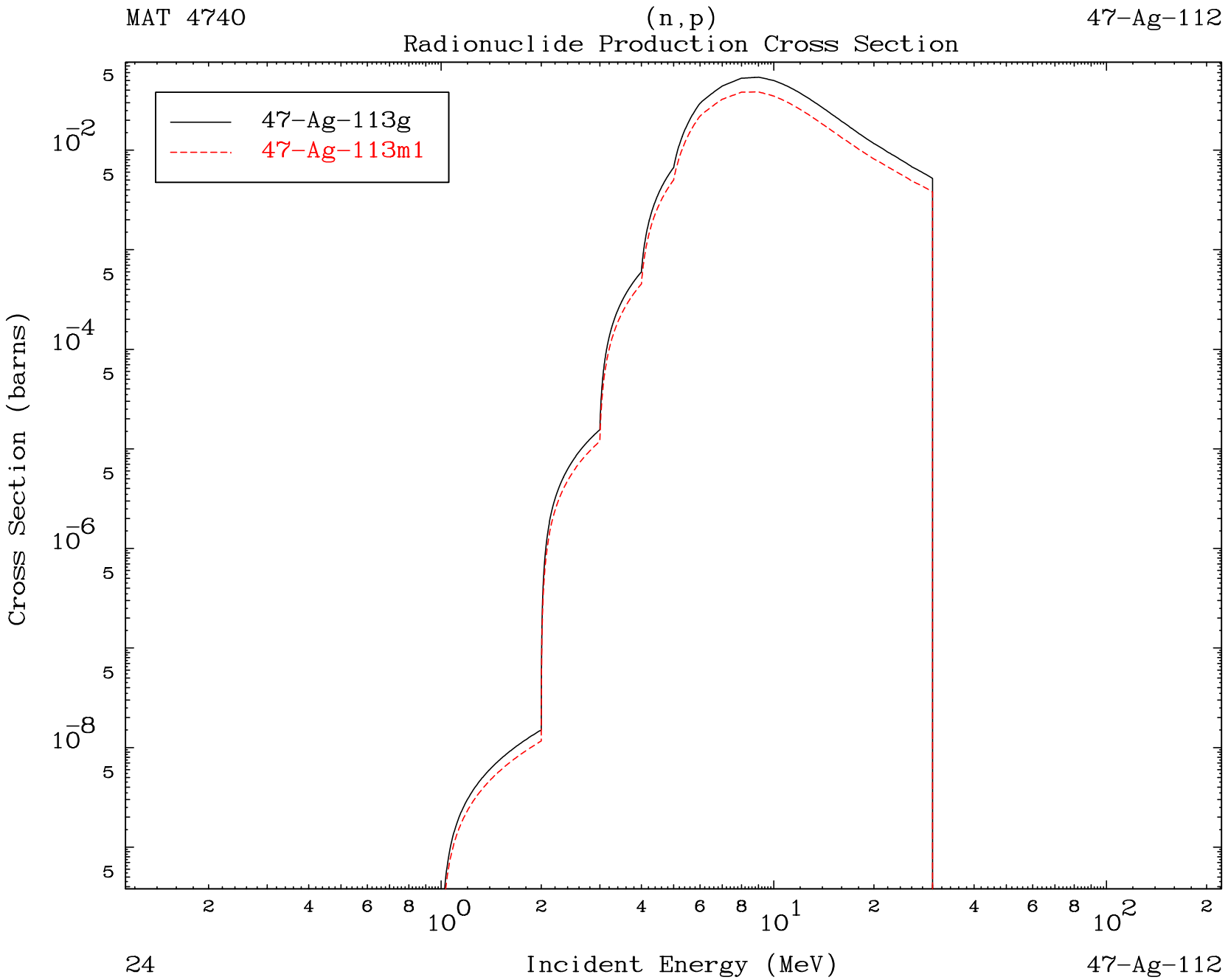

MAT 4740
(n,n') t
47-Ag-112
Radionuclide Production Cross Section
47-Ag-110g
47-Ag-110m2
Cross Section (barns)
Incident Energy (MeV)
19
47-Ag-112

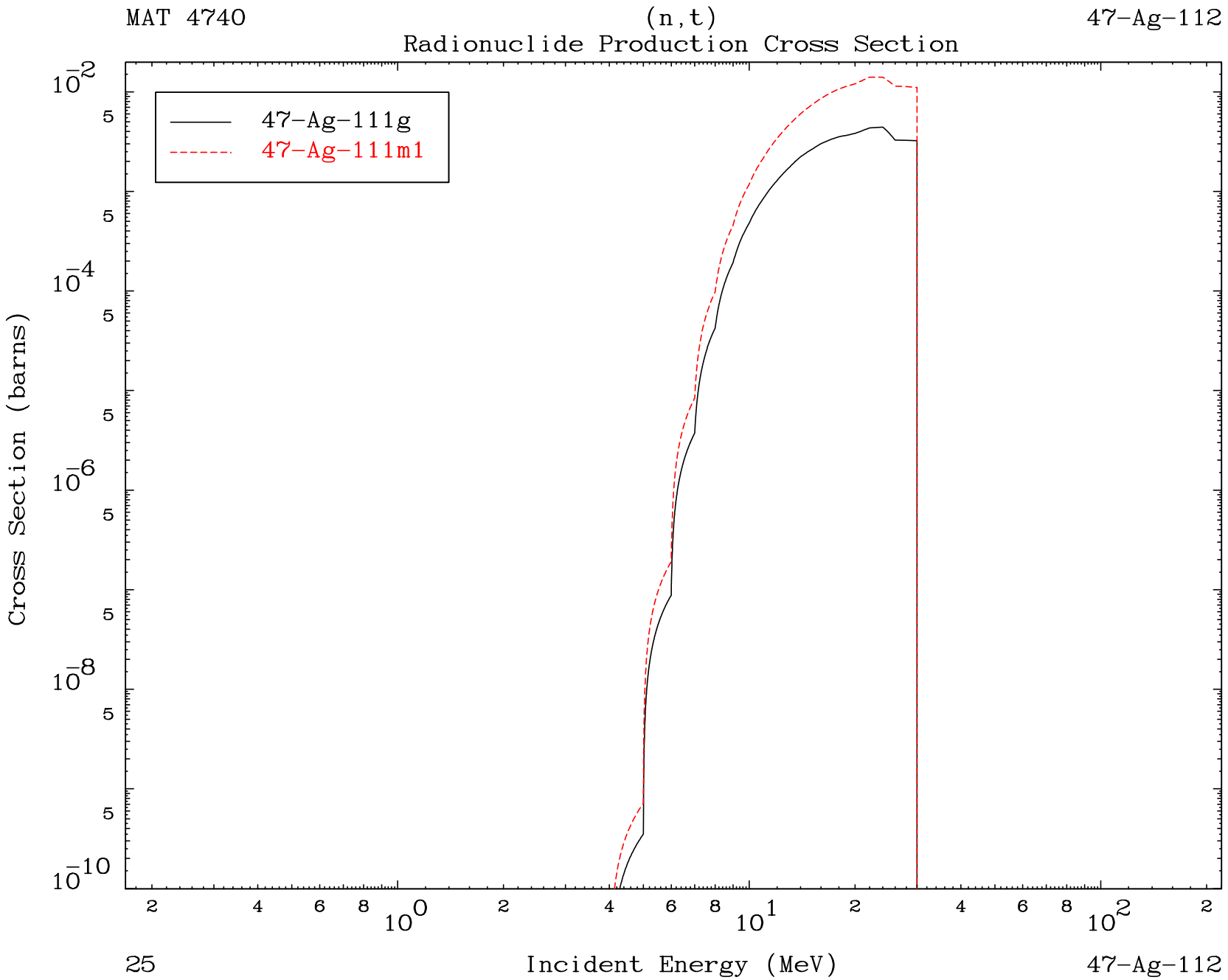

MAT 4740
(n,2n) p
47-Ag-112
Radionuclide Production Cross Section
47-Ag-111g
47-Ag-111m1
Cross Section (barns)
Incident Energy (MeV)
20
47-Ag-112

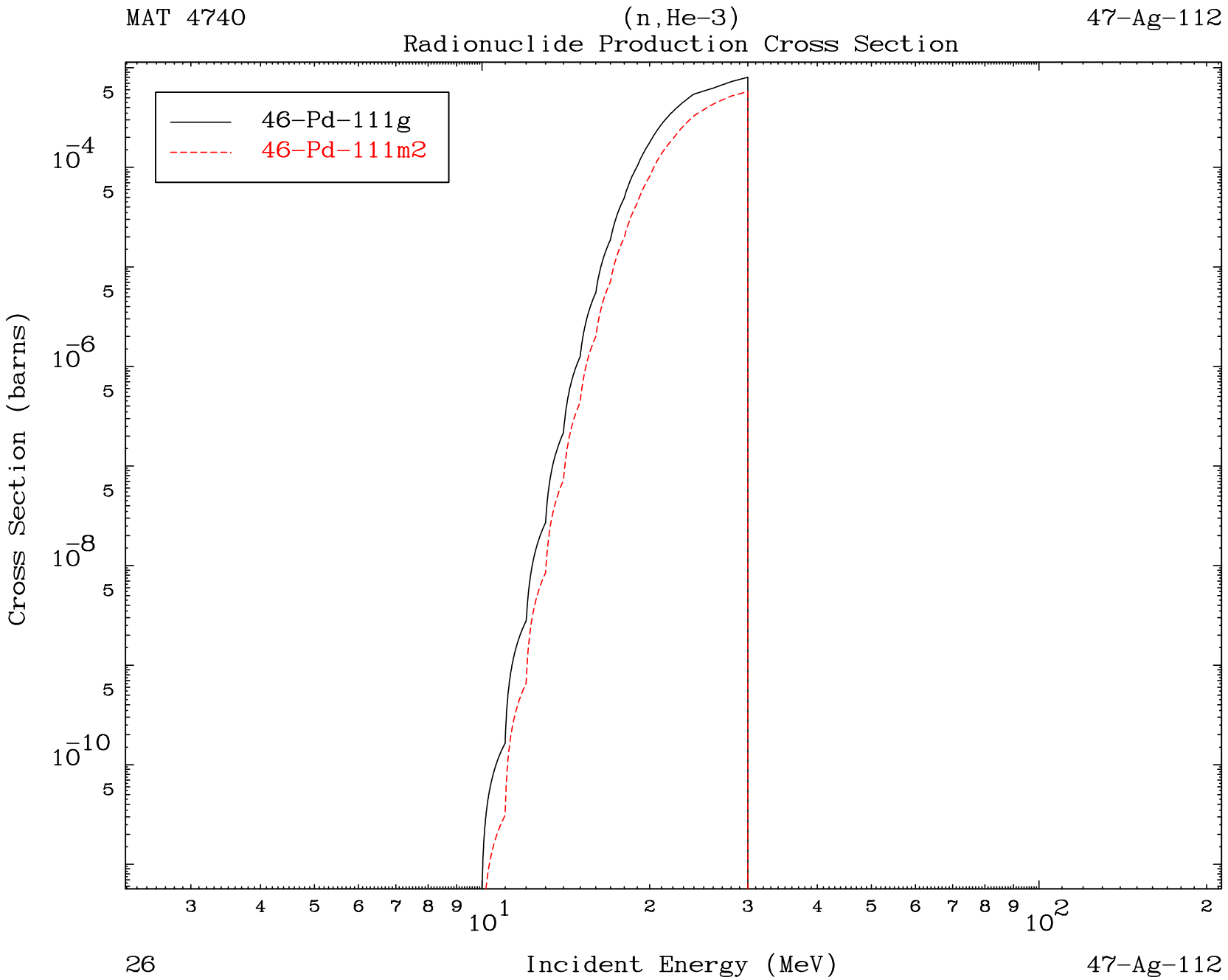

MAT 4740
(n,3n) p
47-Ag-112
Radionuclide Production Cross Section
47-Ag-110g
47-Ag-110m2
Cross Section (barns)
Incident Energy (MeV)
21
47-Ag-112

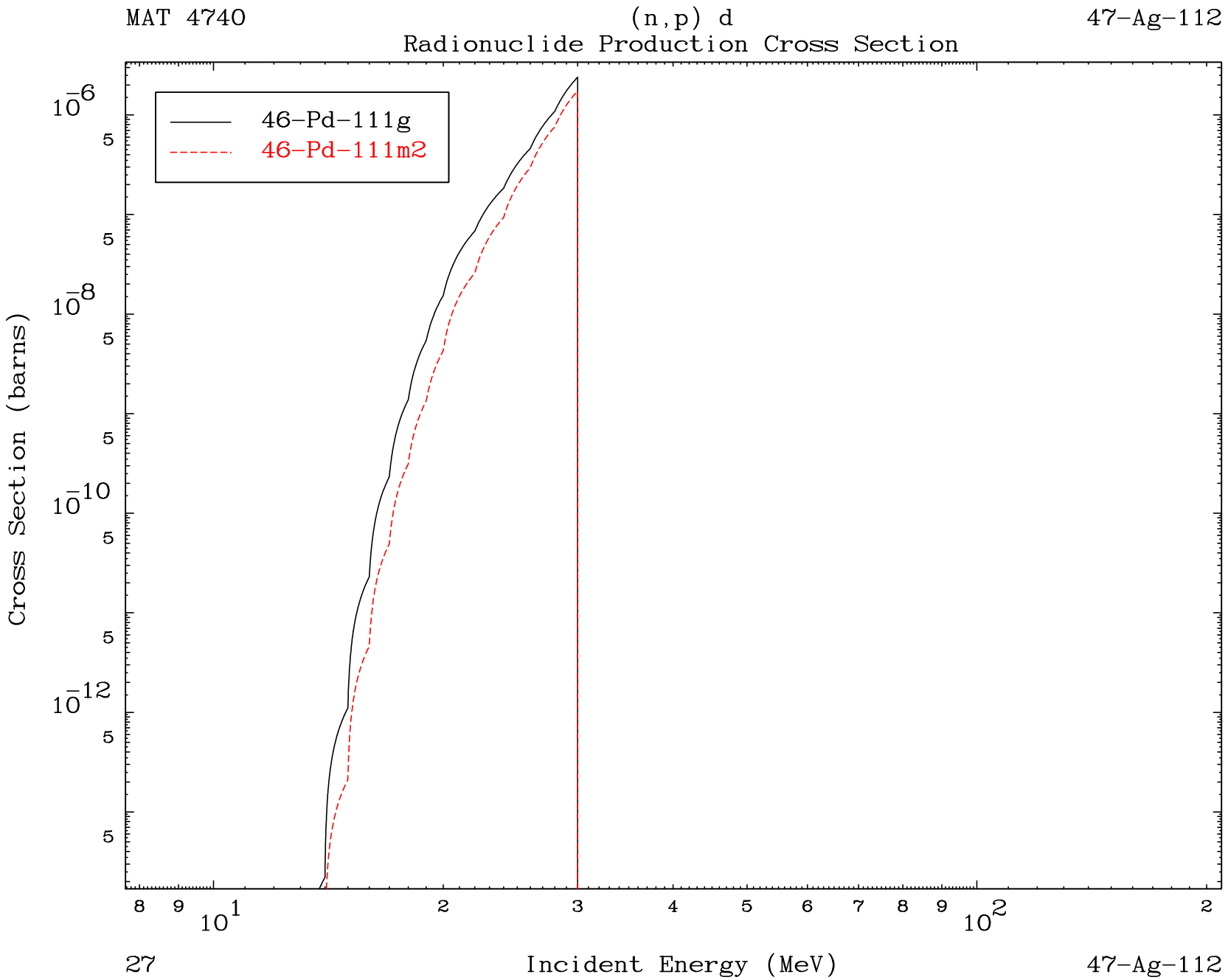

MAT 4740
(n,2n) p
47-Ag-112
Radionuclide Production Cross Section
46-Pd-111g
46-Pd-111m2
Cross Section (barns)
Incident Energy (MeV)
22
47-Ag-112

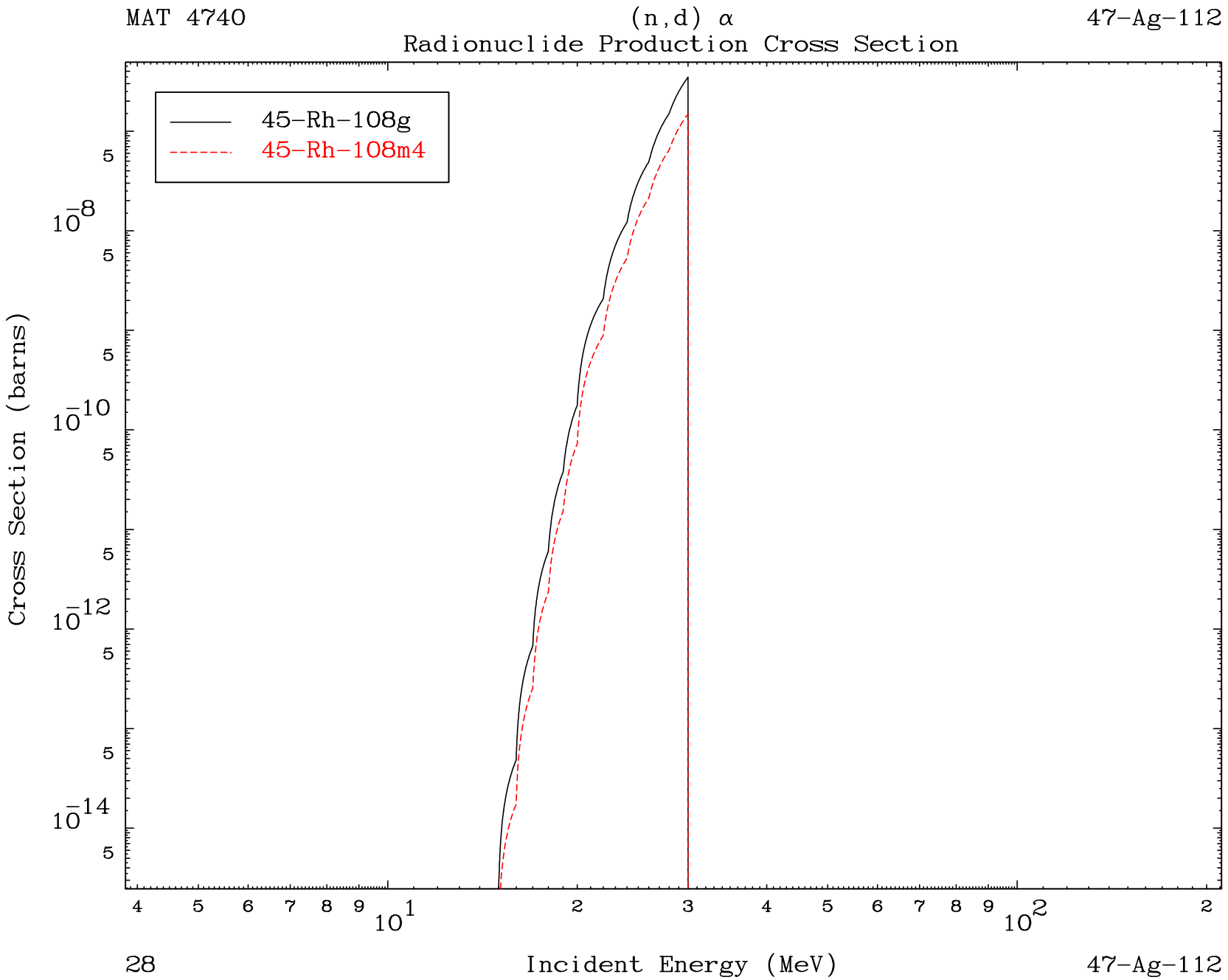

MAT 4740
(n,n') p α
47-Ag-112
Radionuclide Production Cross Section
45-Rh-108g
45-Rh-108m4
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
23
47-Ag-112


MAT 4740
(n,p)
47-Ag-112
Radionuclide Production Cross Section
47-Ag-113g
47-Ag-113m1
Cross Section (barns)
Incident Energy (MeV)
24
47-Ag-112


MAT 4740
(n,t)
47-Ag-112
Radionuclide Production Cross Section
47-Ag-111g
47-Ag-111m1
Cross Section (barns)
Incident Energy (MeV)
25
47-Ag-112


MAT 4740
(n,He-3)
47-Ag-112
Radionuclide Production Cross Section
46-Pd-111g
46-Pd-111m2
Cross Section (barns)
Incident Energy (MeV)
26
47-Ag-112


MAT 4740
(n,p) d
47-Ag-112
Radionuclide Production Cross Section
46-Pd-111g
46-Pd-111m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
27
Incident Energy (MeV)
47-Ag-112


MAT 4740
(n,d) α
47-Ag-112
Radionuclide Production Cross Section
45-Rh-108g
45-Rh-108m4
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
28
Incident Energy (MeV)
47-Ag-112