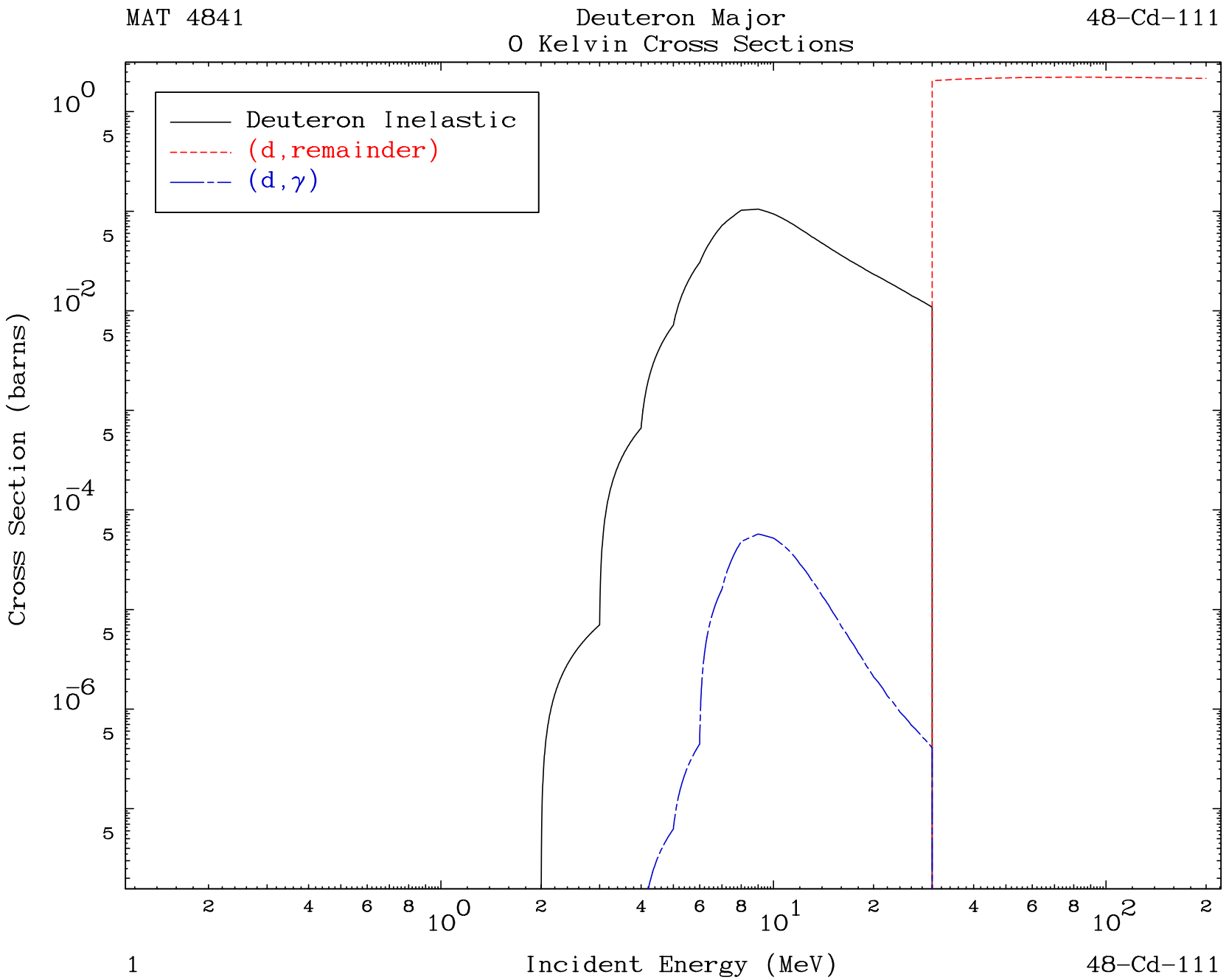
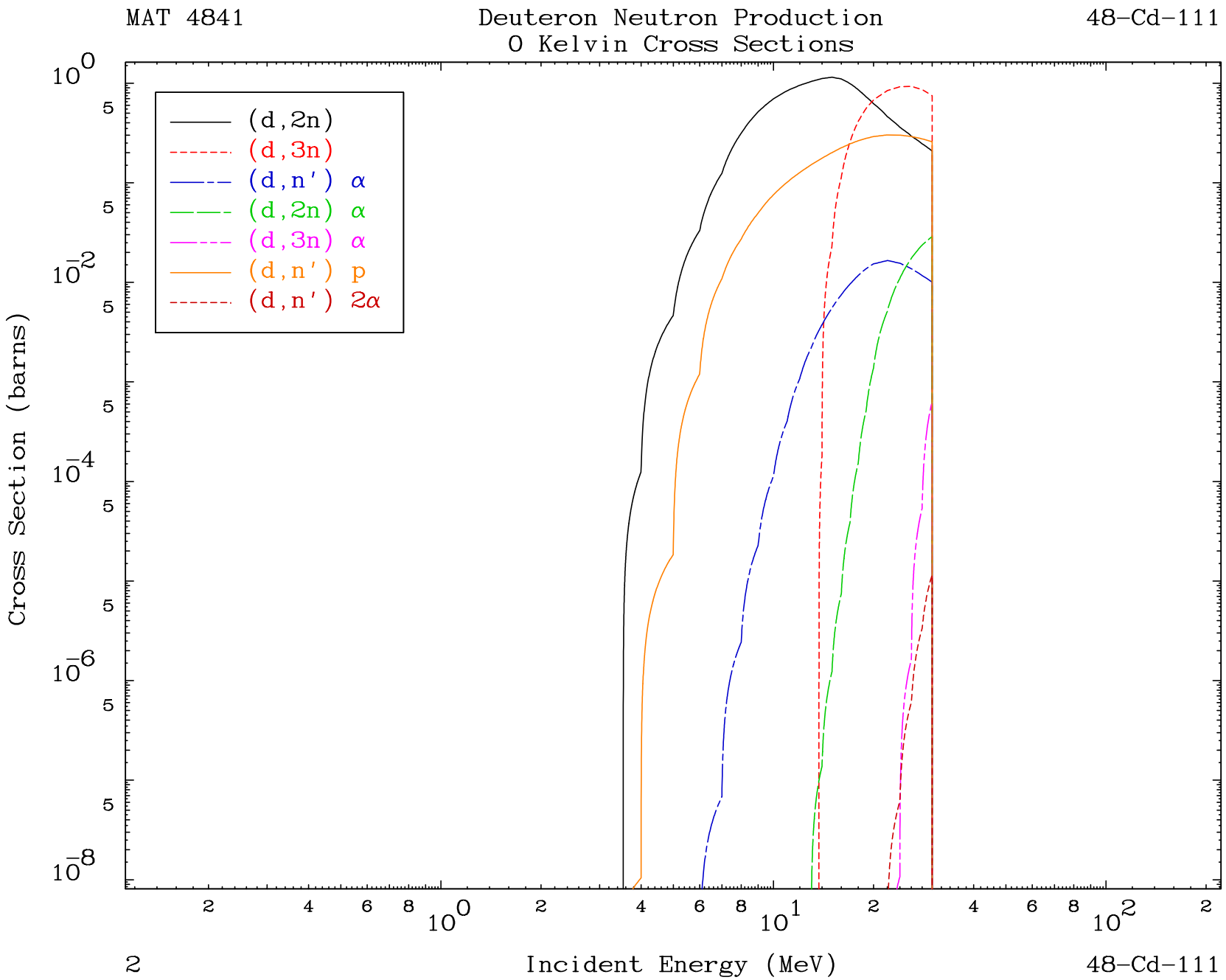
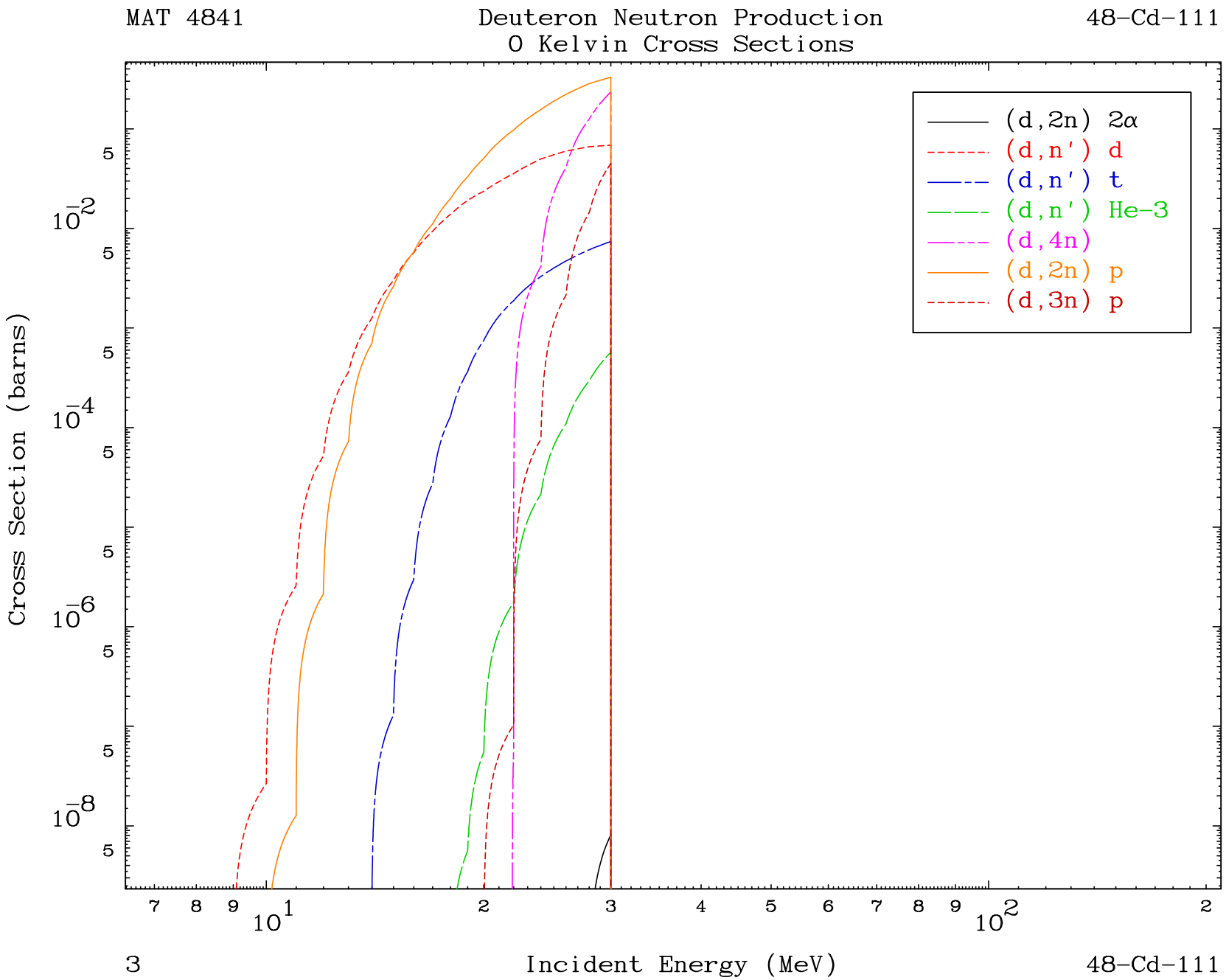
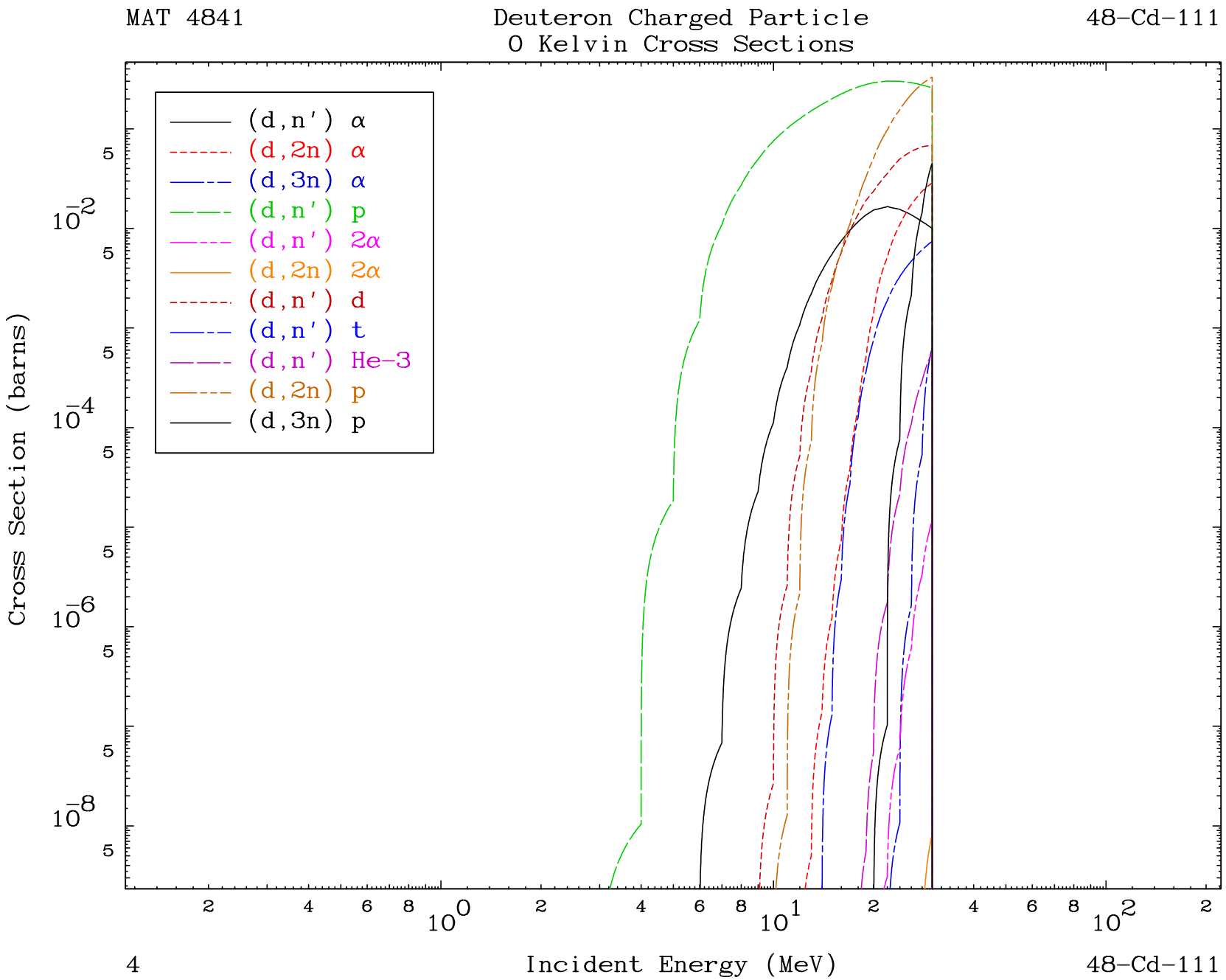
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

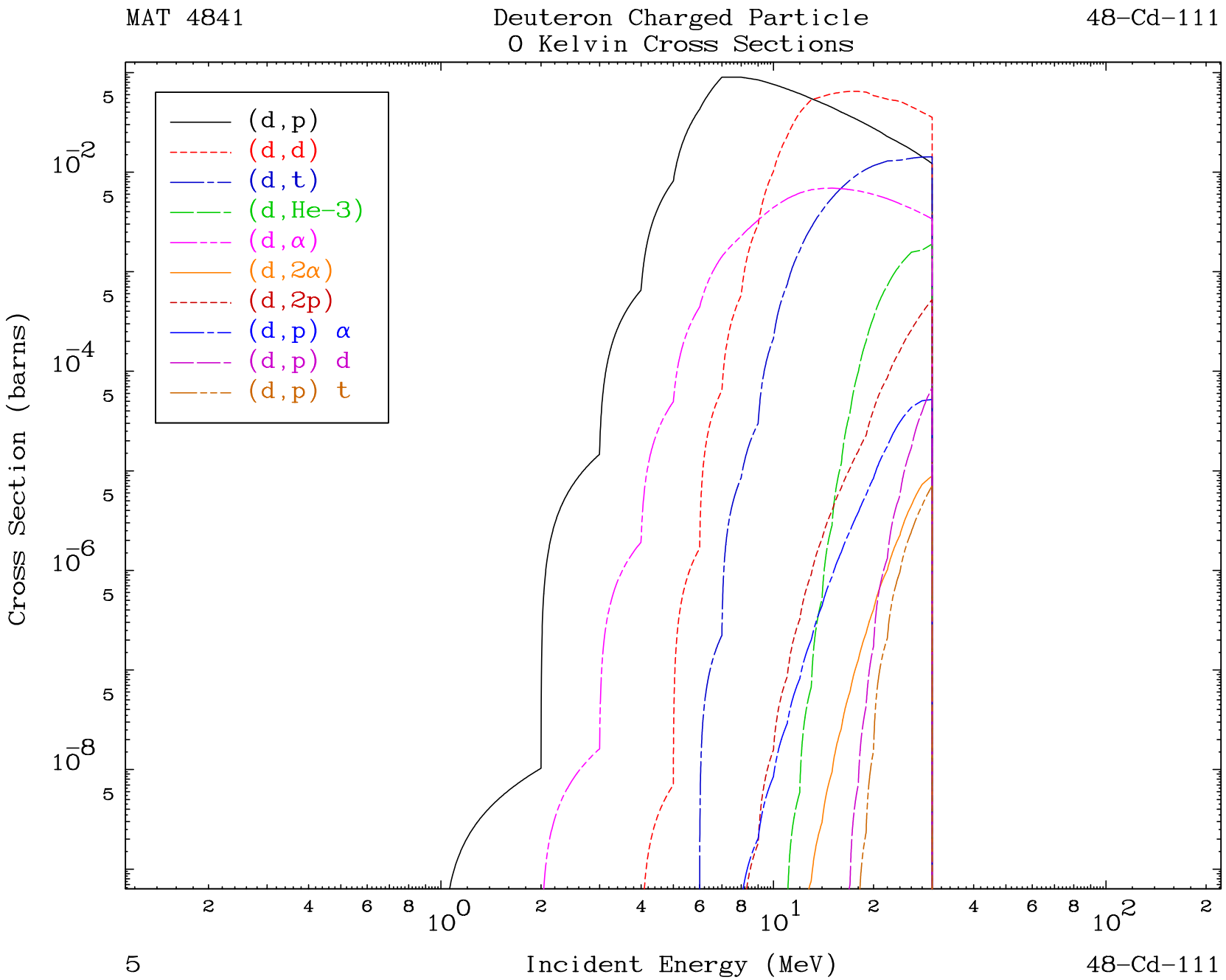
Press Mouse Button to Start

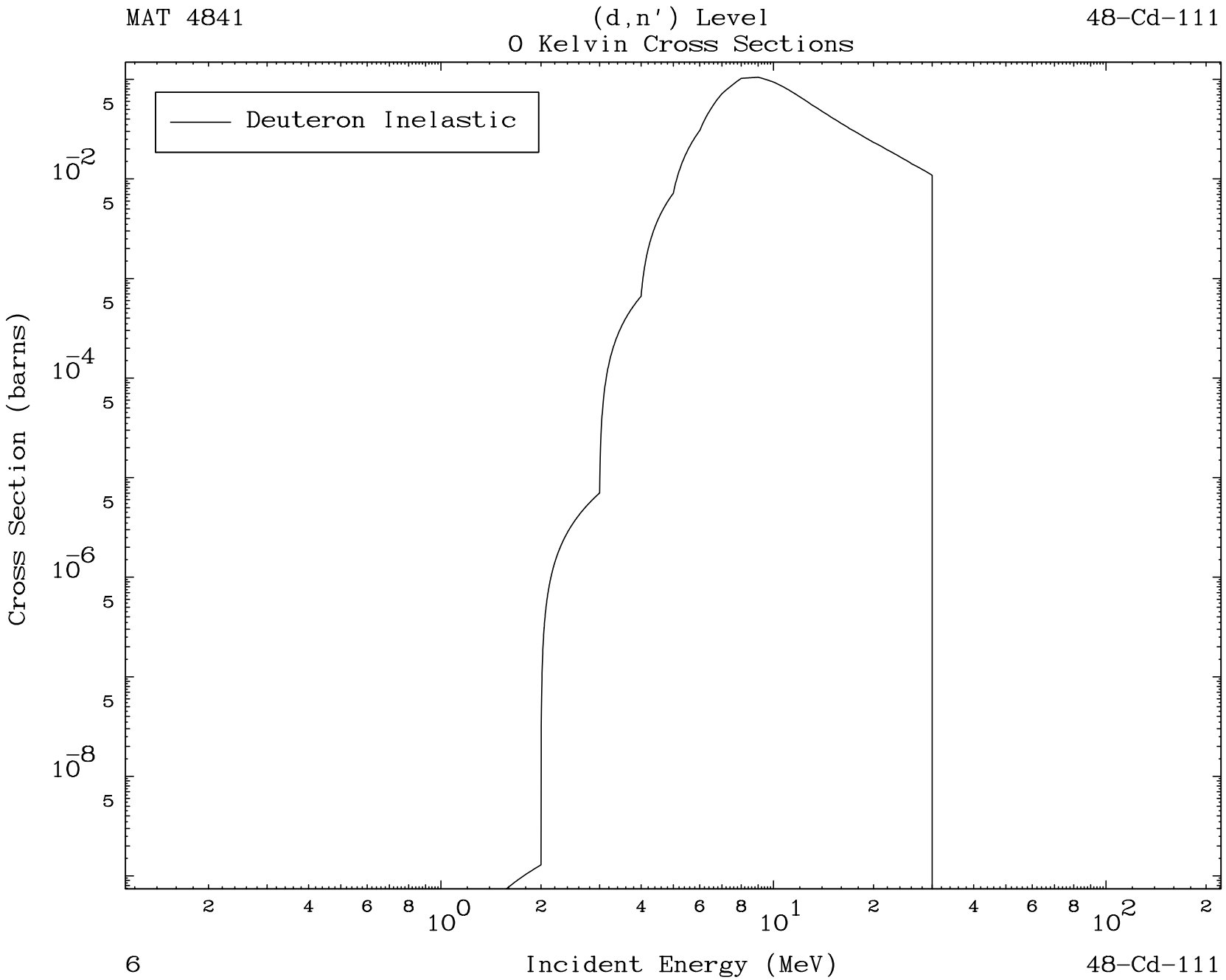

MAT 4841
Deuteron Major
48-Cd-111
0 Kelvin Cross Sections
Deuteron Inelastic
(d,remainder)
(d,γ)
Cross Section (barns)
Incident Energy (MeV)
48-Cd-111
1

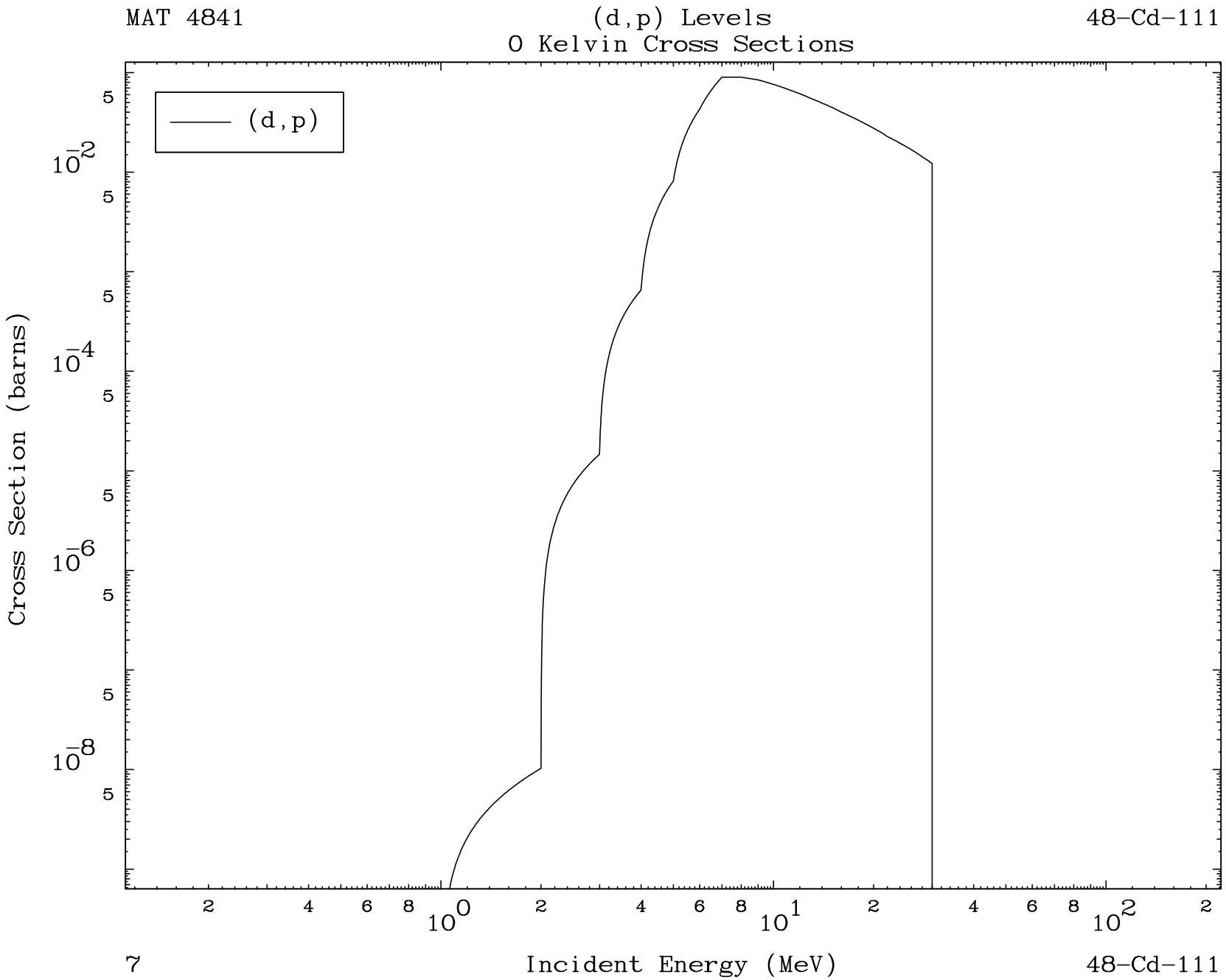

MAT 4841
Deuteron Neutron Production
0 Kelvin Cross Sections
48-Cd-111
(d,2n)
(d,3n)
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
Cross Section (barns)
Incident Energy (MeV)
48-Cd-111
2

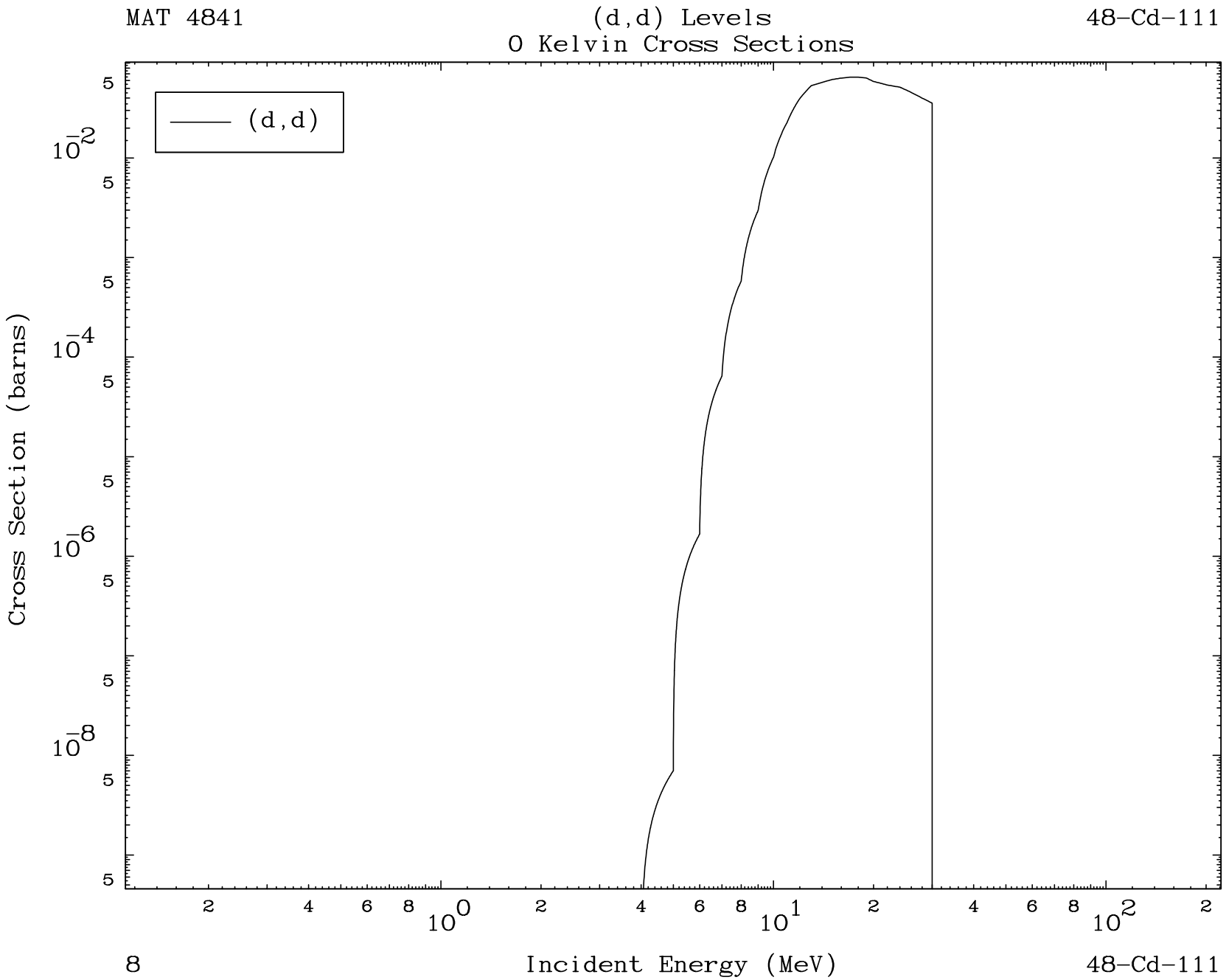

MAT 4841
Deuteron Neutron Production
0 Kelvin Cross Sections
48-Cd-111
(d,2n) 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,4n)
(d,2n) p
(d,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
48-Cd-111

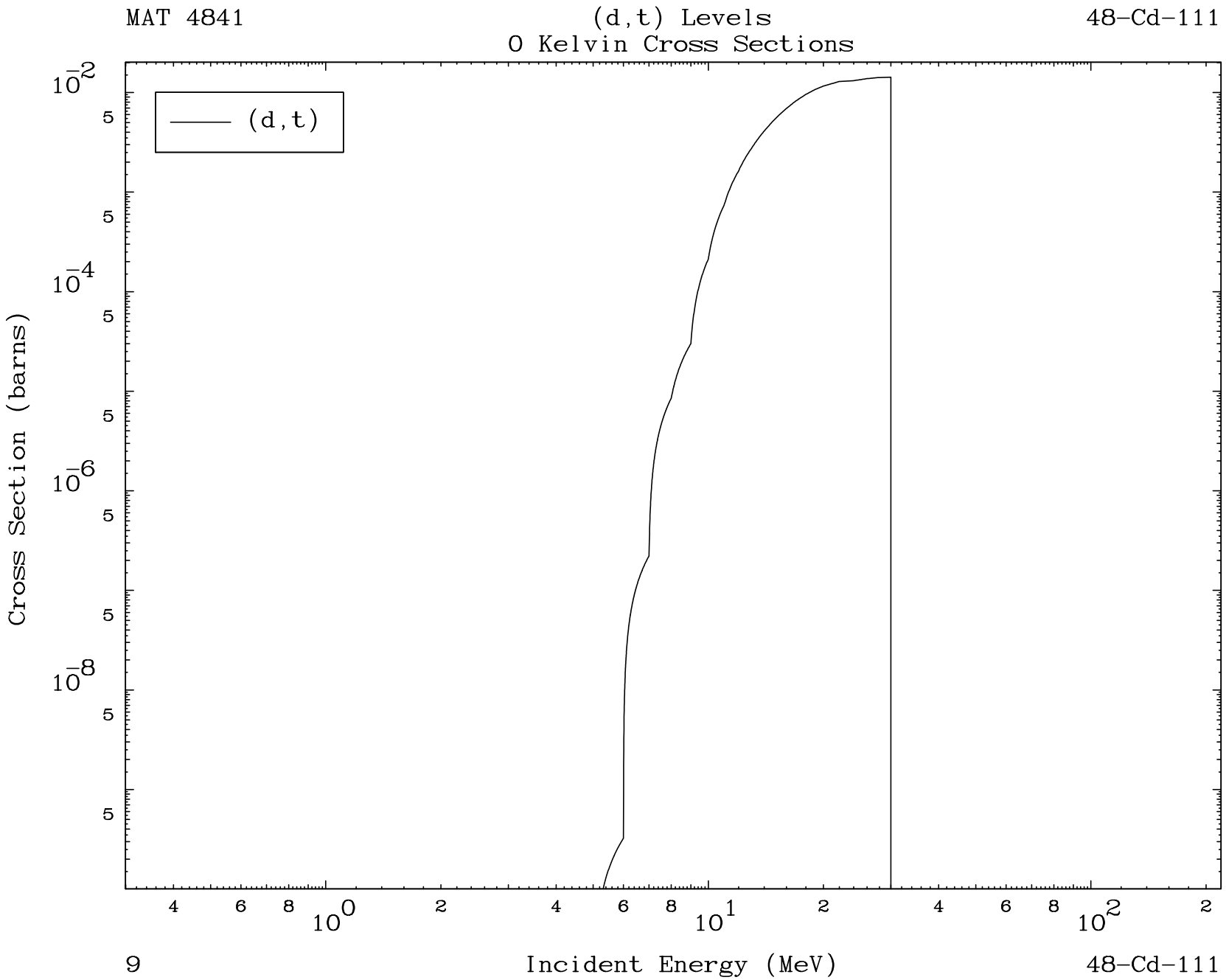

MAT 4841
Deuteron Charged Particle
0 Kelvin Cross Sections
48-Cd-111
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
(d,2n) 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,2n) p
(d,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
48-Cd-111

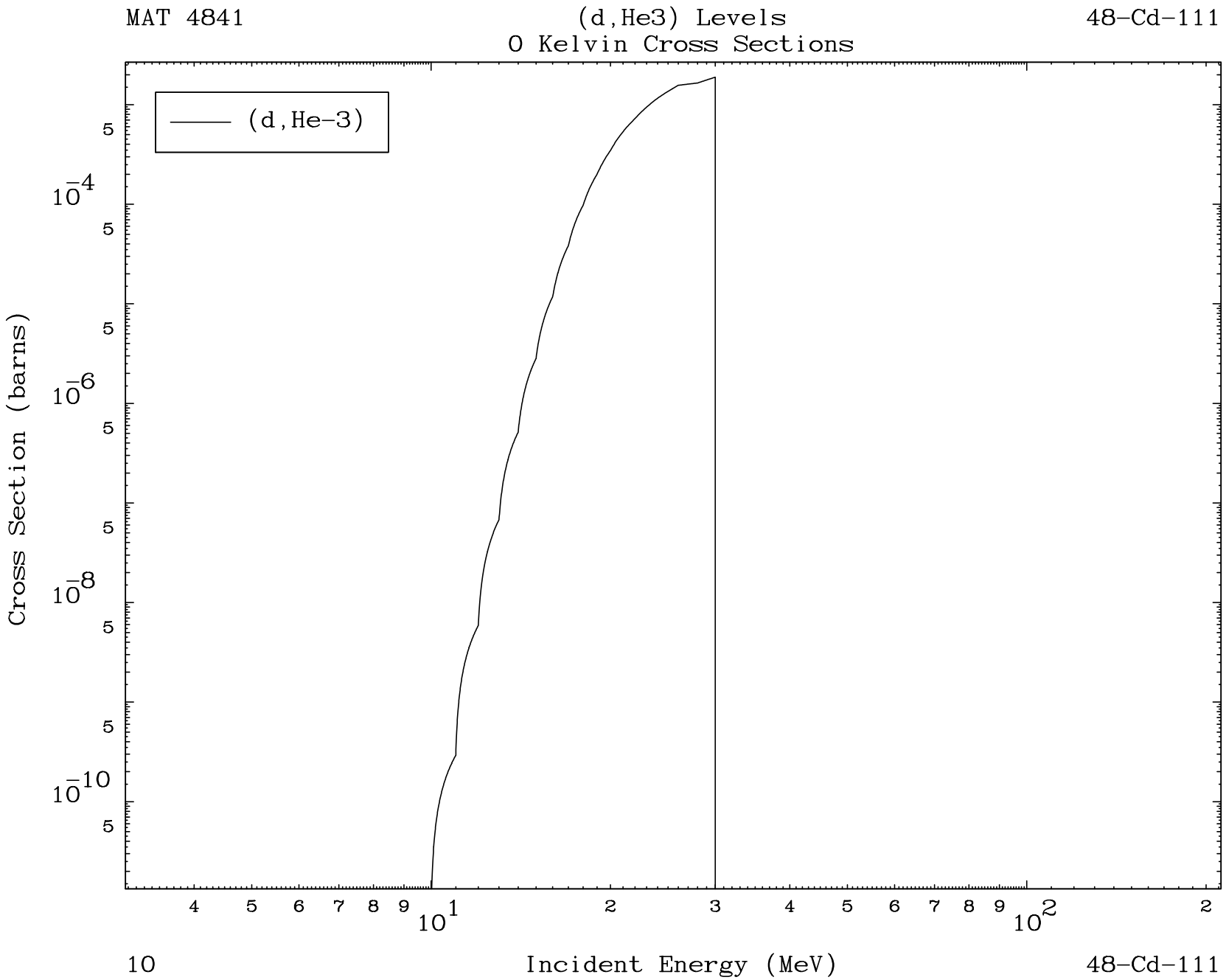

MAT 4841
Deuteron Charged Particle
0 Kelvin Cross Sections
48-Cd-111
(d,p)
(d,d)
(d,t)
(d,He-3)
(d,α)
(d,2α)
(d,2p)
(d,p) α
(d,p) d
(d,p) t
Cross Section (barns)
Incident Energy (MeV)
5
48-Cd-111

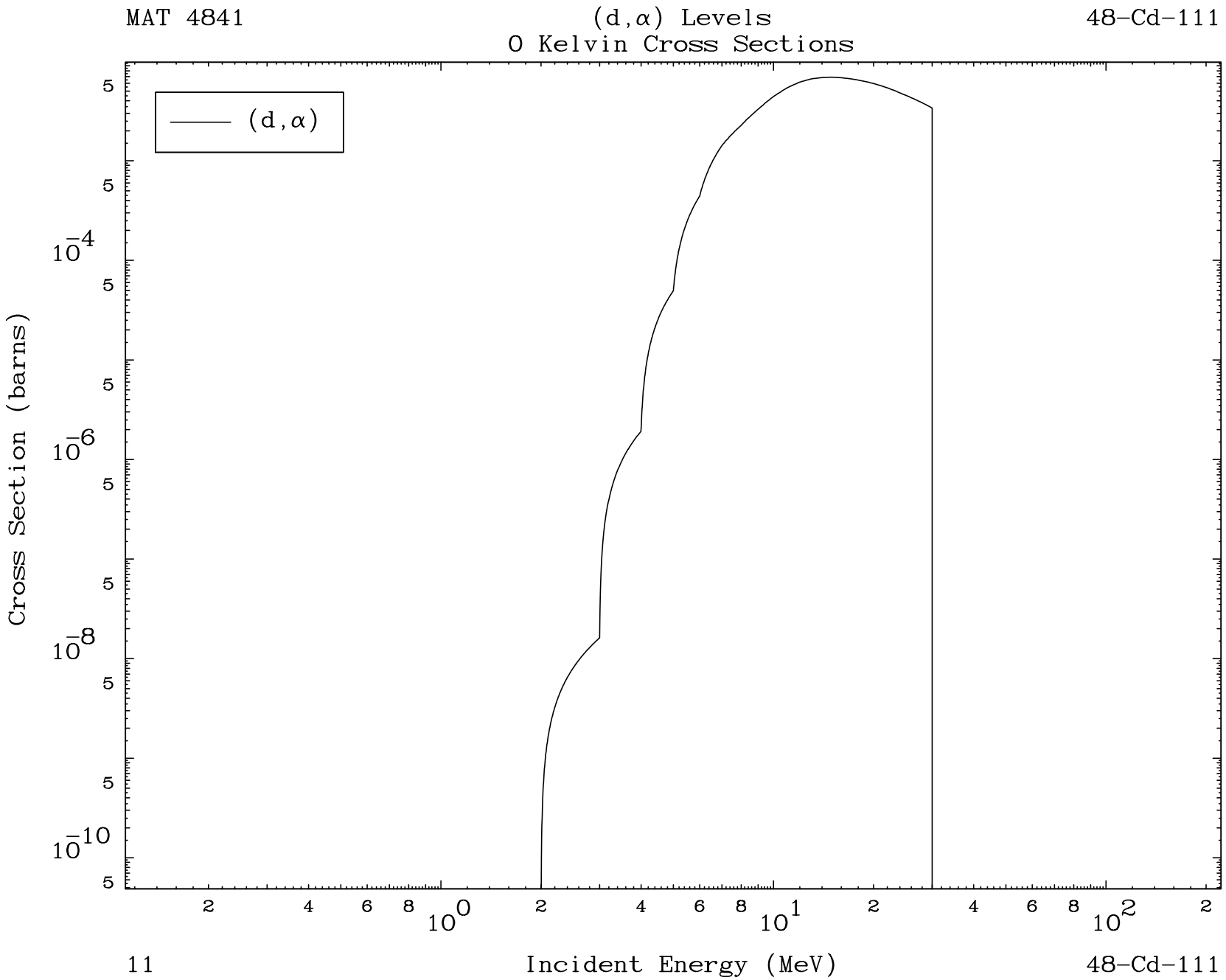

MAT 4841
(d,n') Level
48-Cd-111
0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
6
48-Cd-111

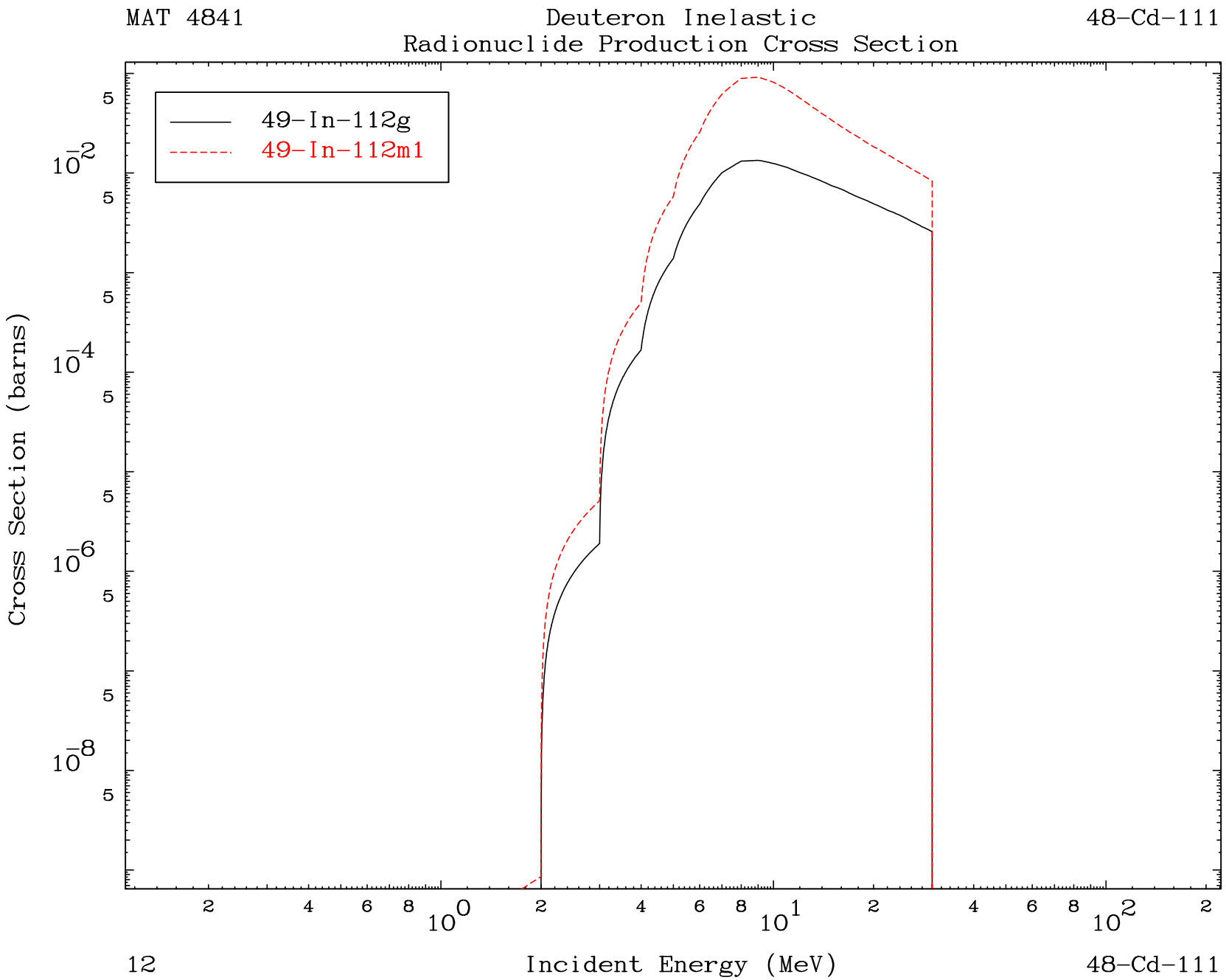

MAT 4841
(d,p) Levels
48-Cd-111
0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
Incident Energy (MeV)
7
48-Cd-111

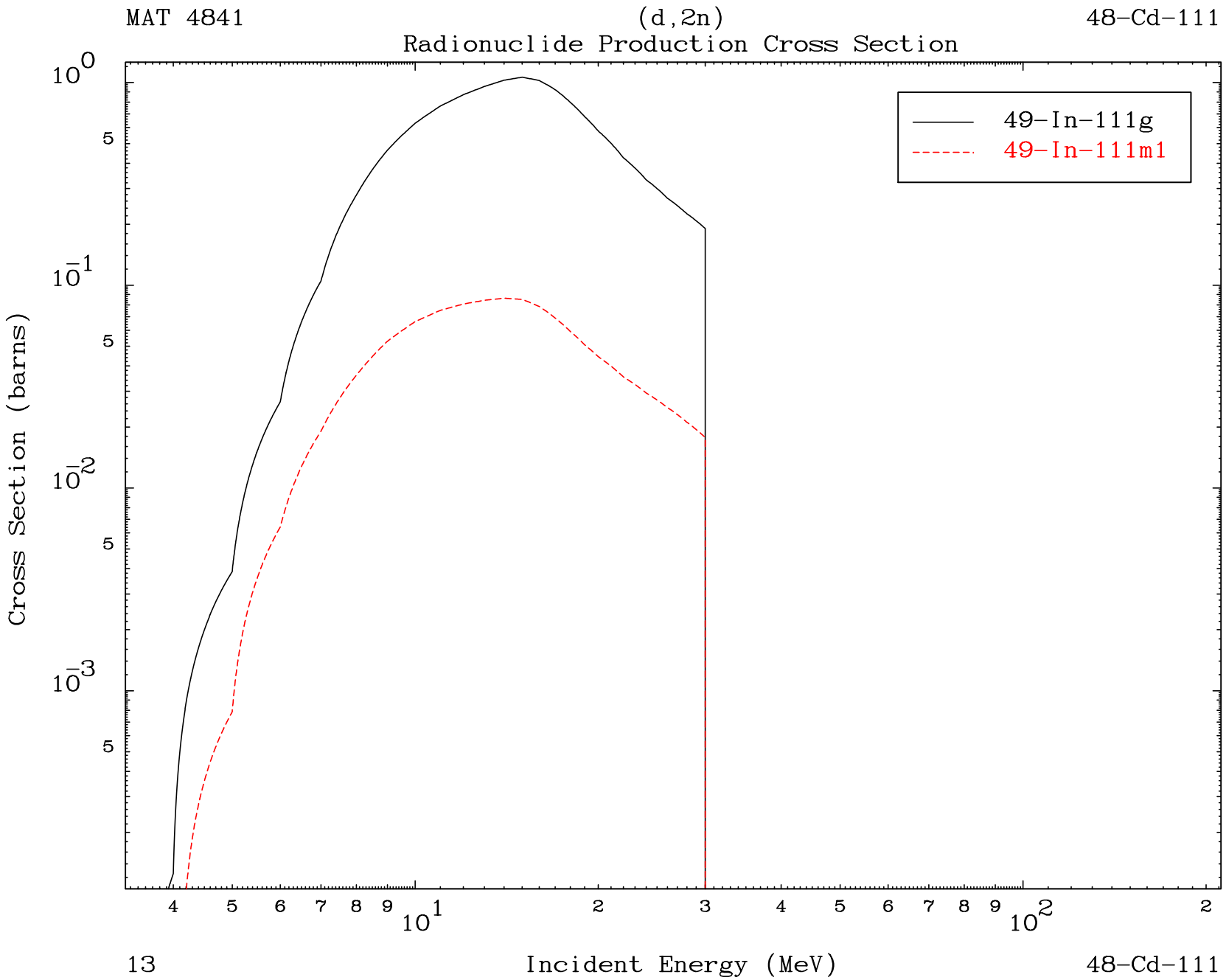

MAT 4841
(d,d) Levels
48-Cd-111
0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
Incident Energy (MeV)
48-Cd-111
8

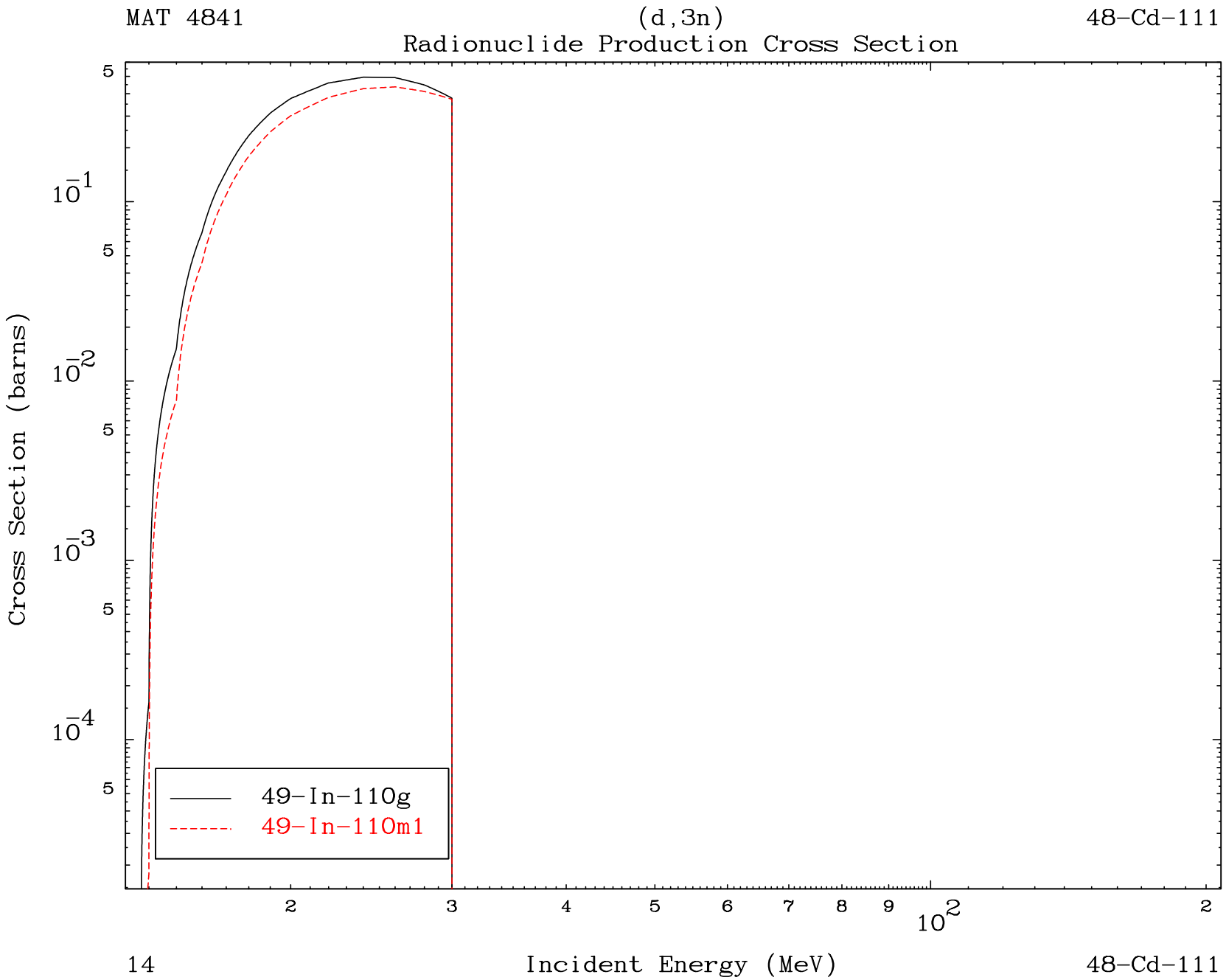

MAT 4841
(d,t) Levels
48-Cd-111
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
Incident Energy (MeV)
9
48-Cd-111

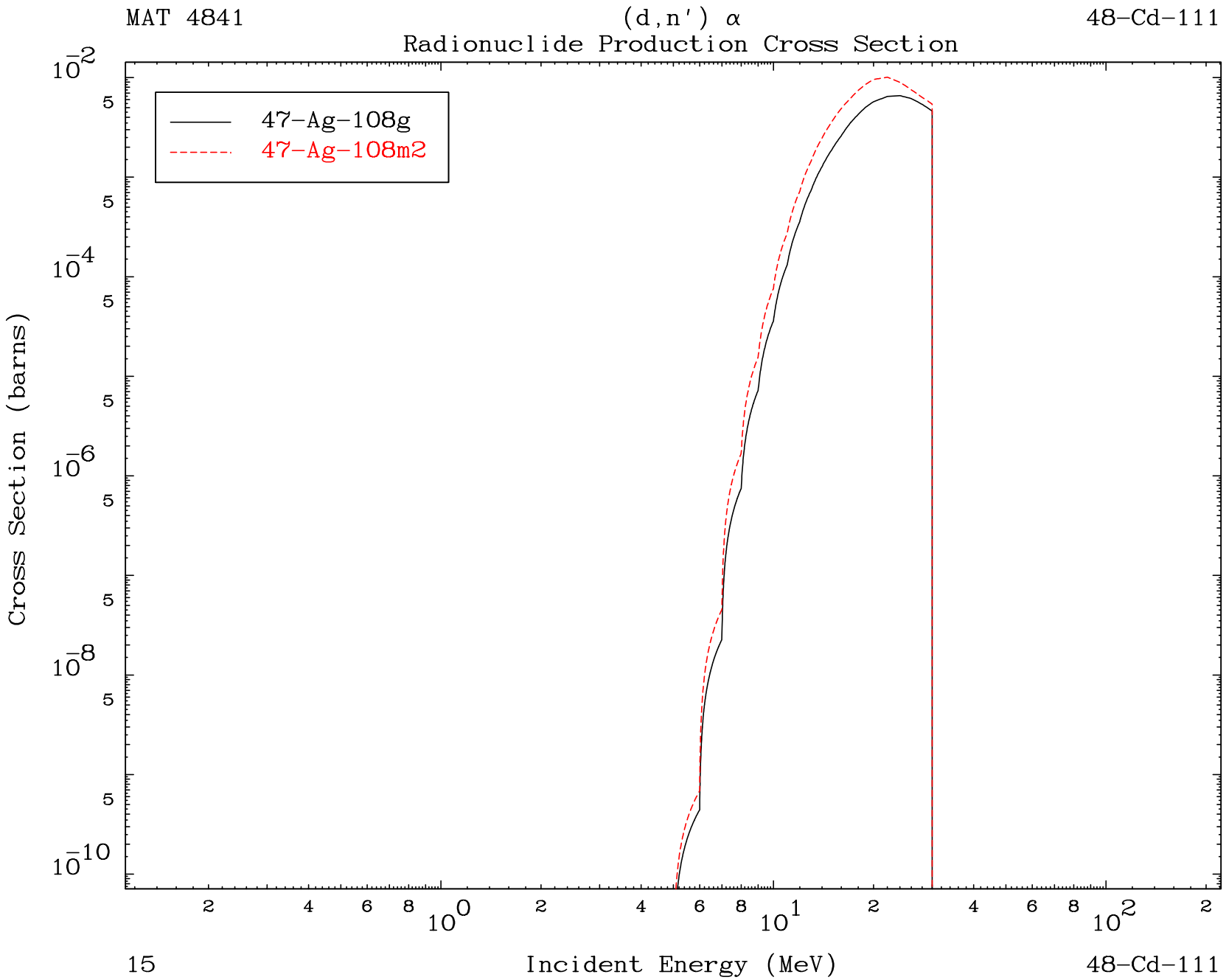

MAT 4841
(d,He3) Levels
48-Cd-111
0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
48-Cd-111

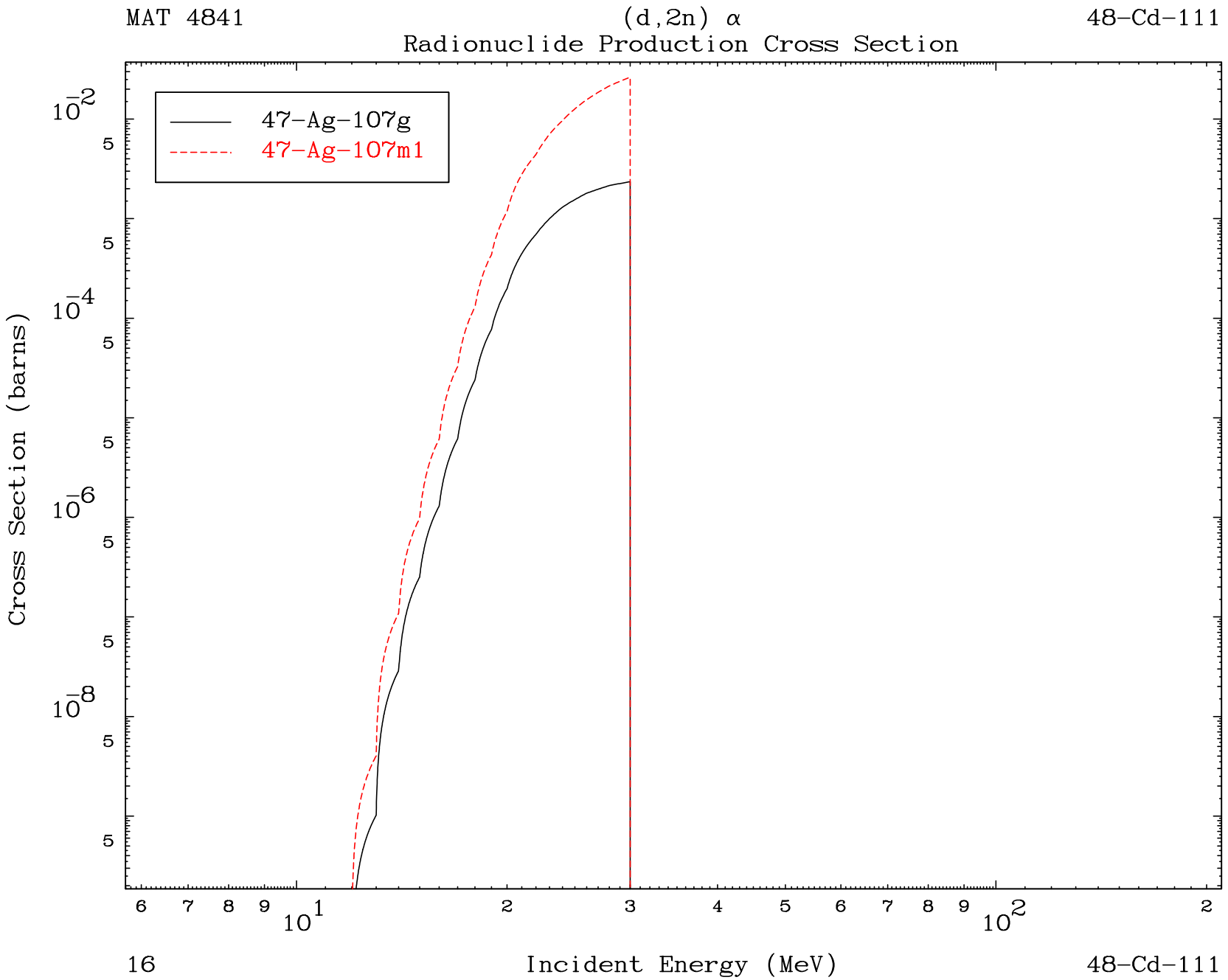

MAT 4841
(d,α) Levels
48-Cd-111
0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
Incident Energy (MeV)
11
48-Cd-111

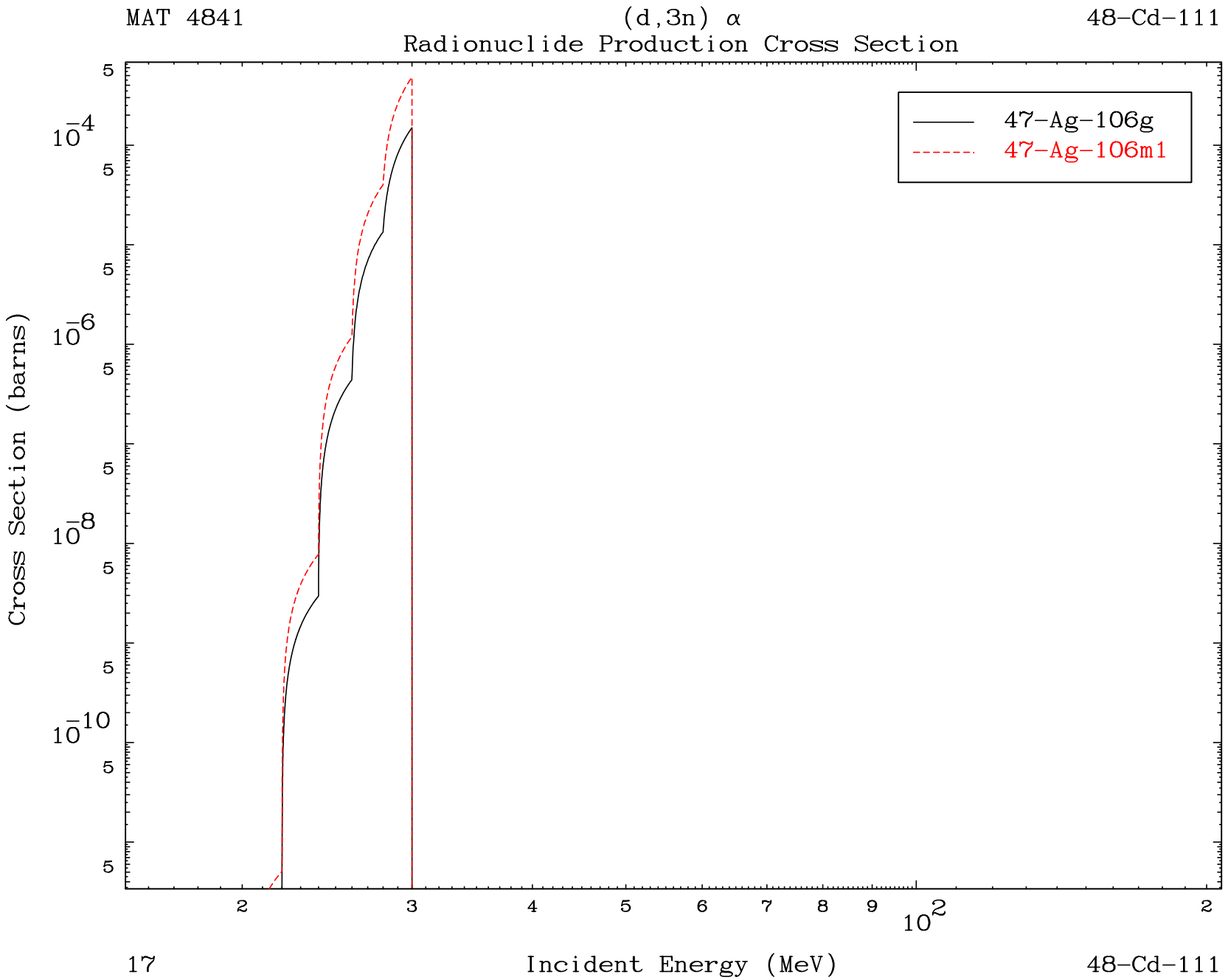

MAT 4841
Deuteron Inelastic
48-Cd-111
Radionuclide Production Cross Section
49-In-112g
49-In-112m1
Cross Section (barns)
Incident Energy (MeV)
12
48-Cd-111

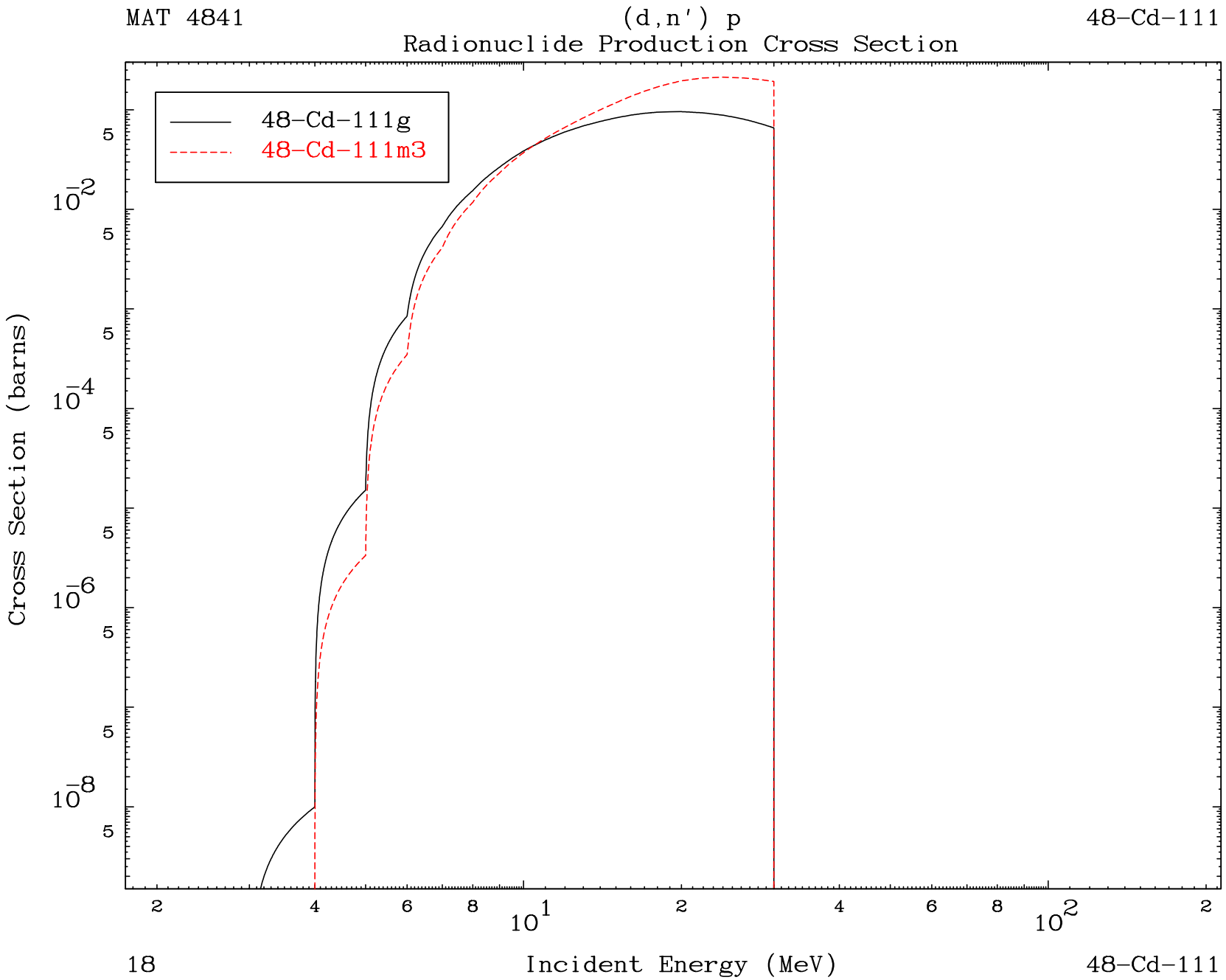

MAT 4841
(d,2n)
48-Cd-111
Radionuclide Production Cross Section
49-In-111g
49-In-111m1
Cross Section (barns)
Incident Energy (MeV)
13
48-Cd-111

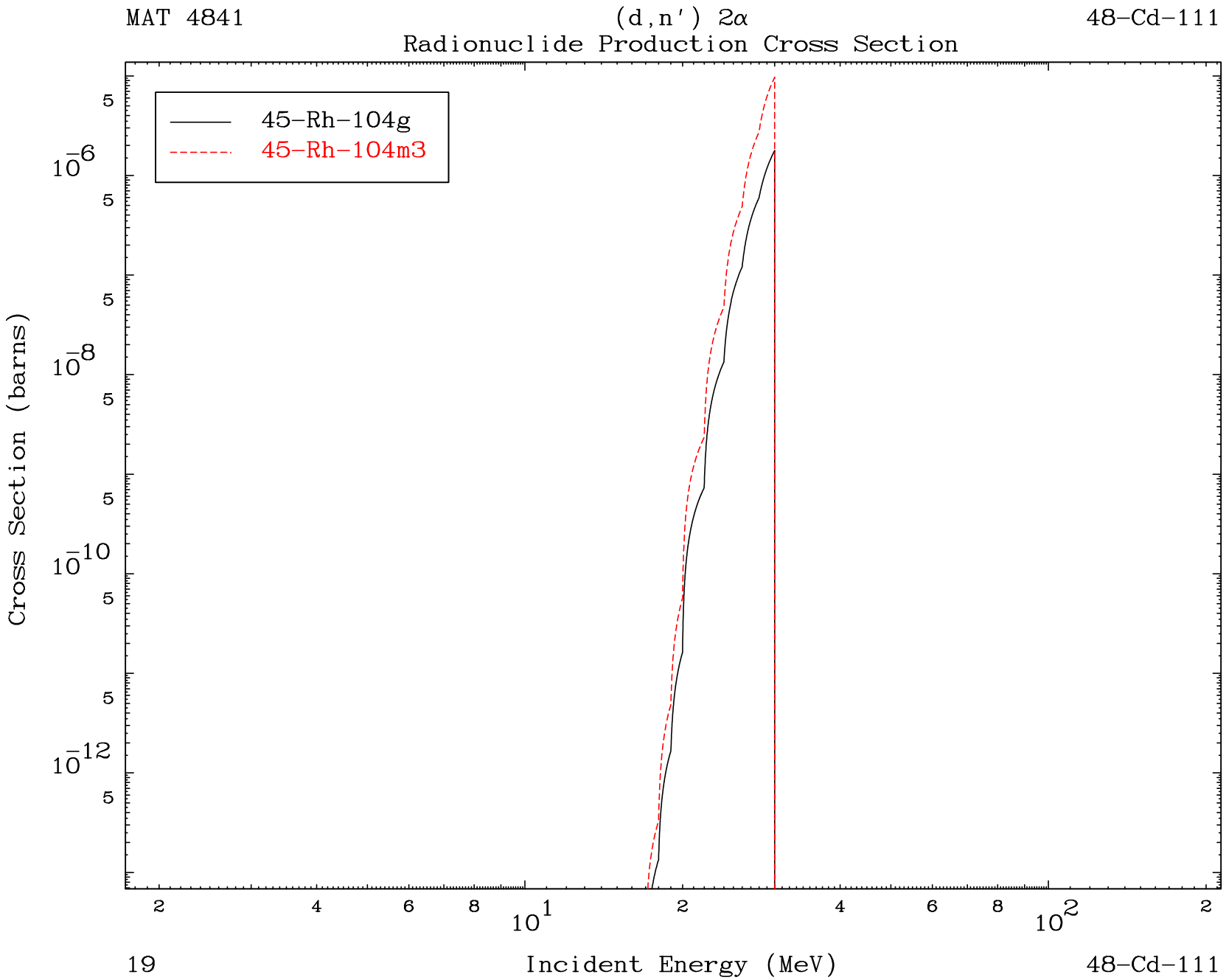

MAT 4841
(d,3n)
48-Cd-111
Radionuclide Production Cross Section
Cross Section (barns)
5
10-1
5
10-2
5
10-3
5
10-4
5
2
3
4
5
6
7
8
9
10 2
2
49-In-110g
49-In-110m1
14
Incident Energy (MeV)
48-Cd-111

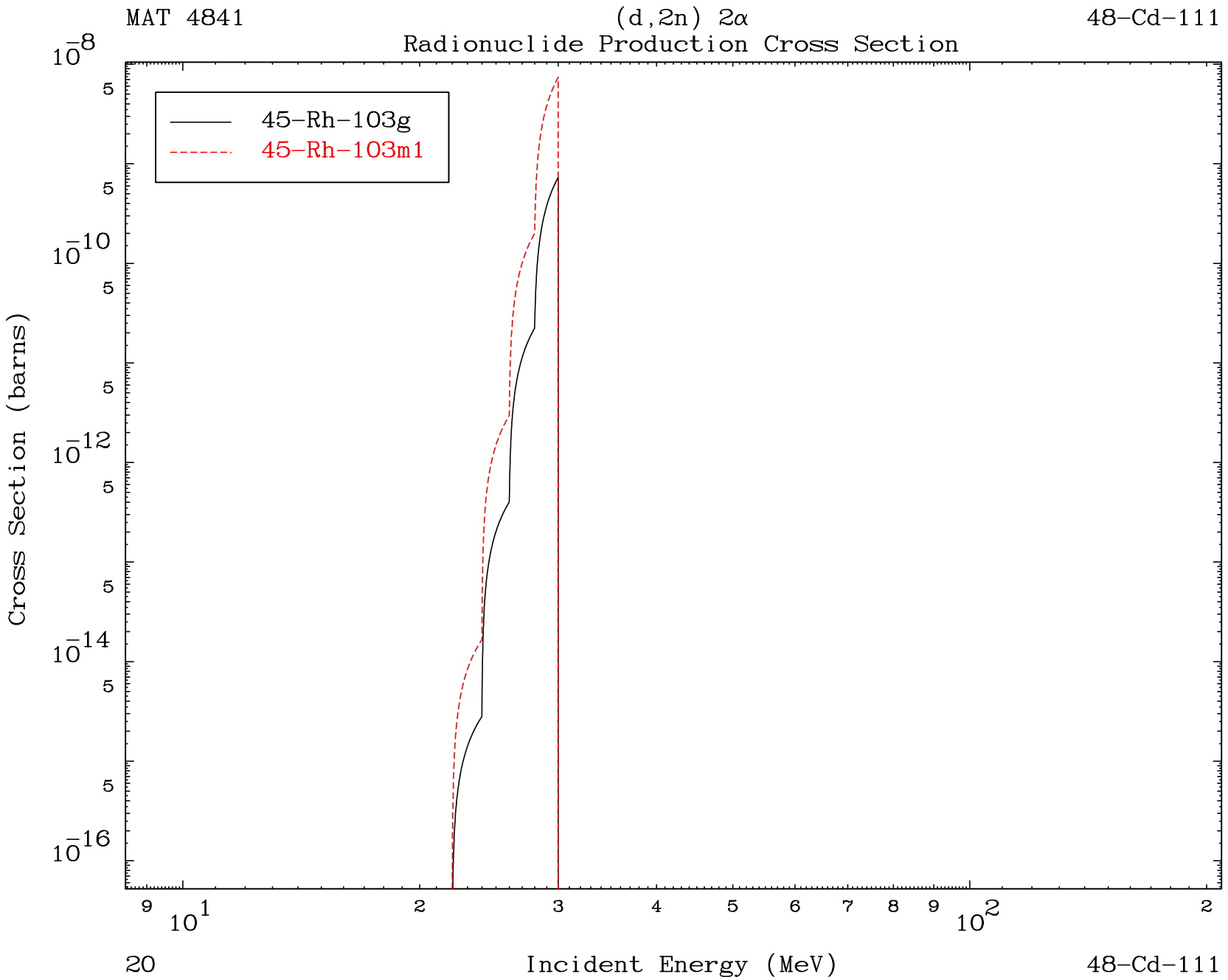

MAT 4841
(d,n') α
48-Cd-111
Radionuclide Production Cross Section
47-Ag-108g
47-Ag-108m2
Cross Section (barns)
Incident Energy (MeV)
15
48-Cd-111

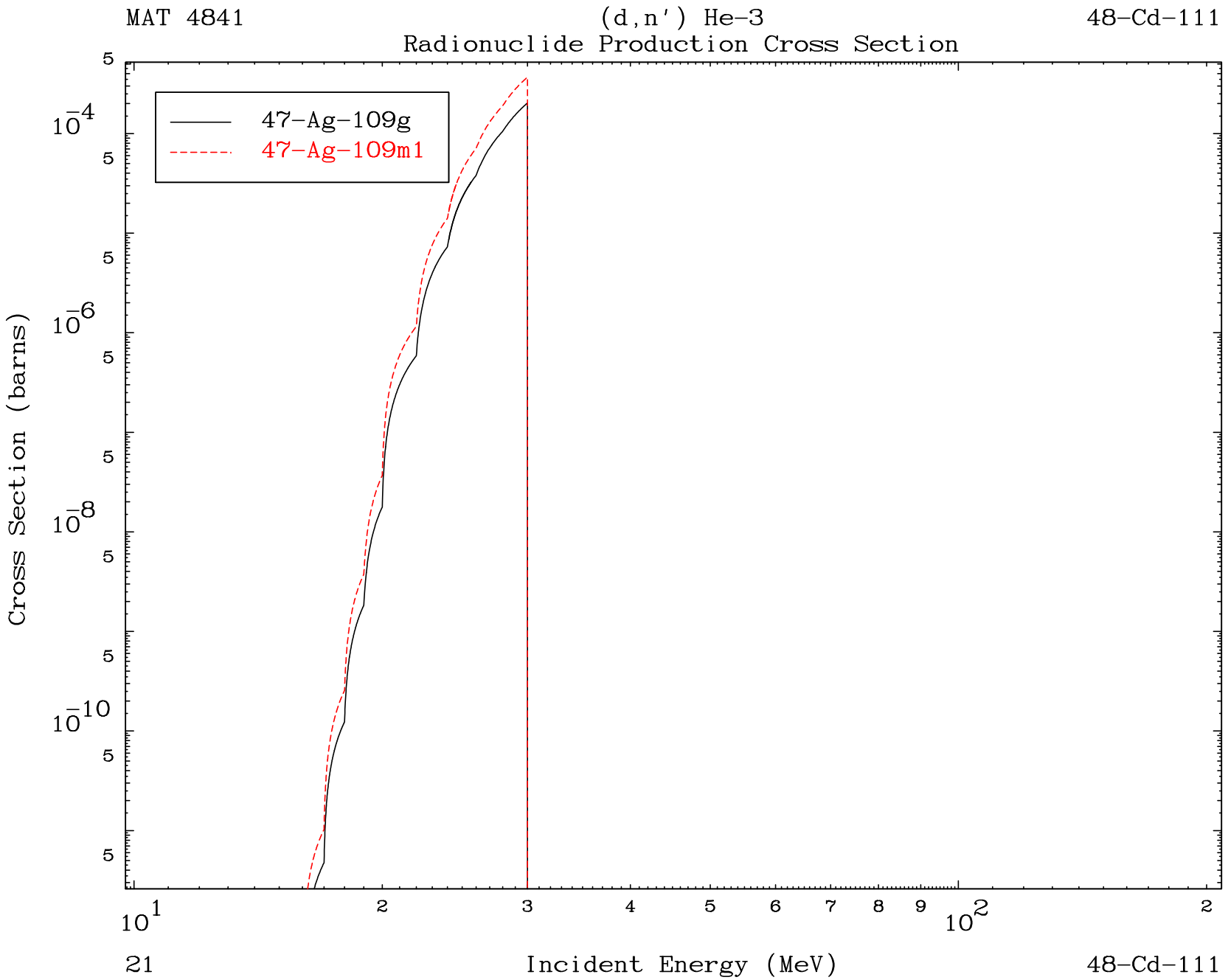

MAT 4841
(d,2n) α
48-Cd-111
Radionuclide Production Cross Section
47-Ag-107g
47-Ag-107m1
Cross Section (barns)
Incident Energy (MeV)
16
48-Cd-111

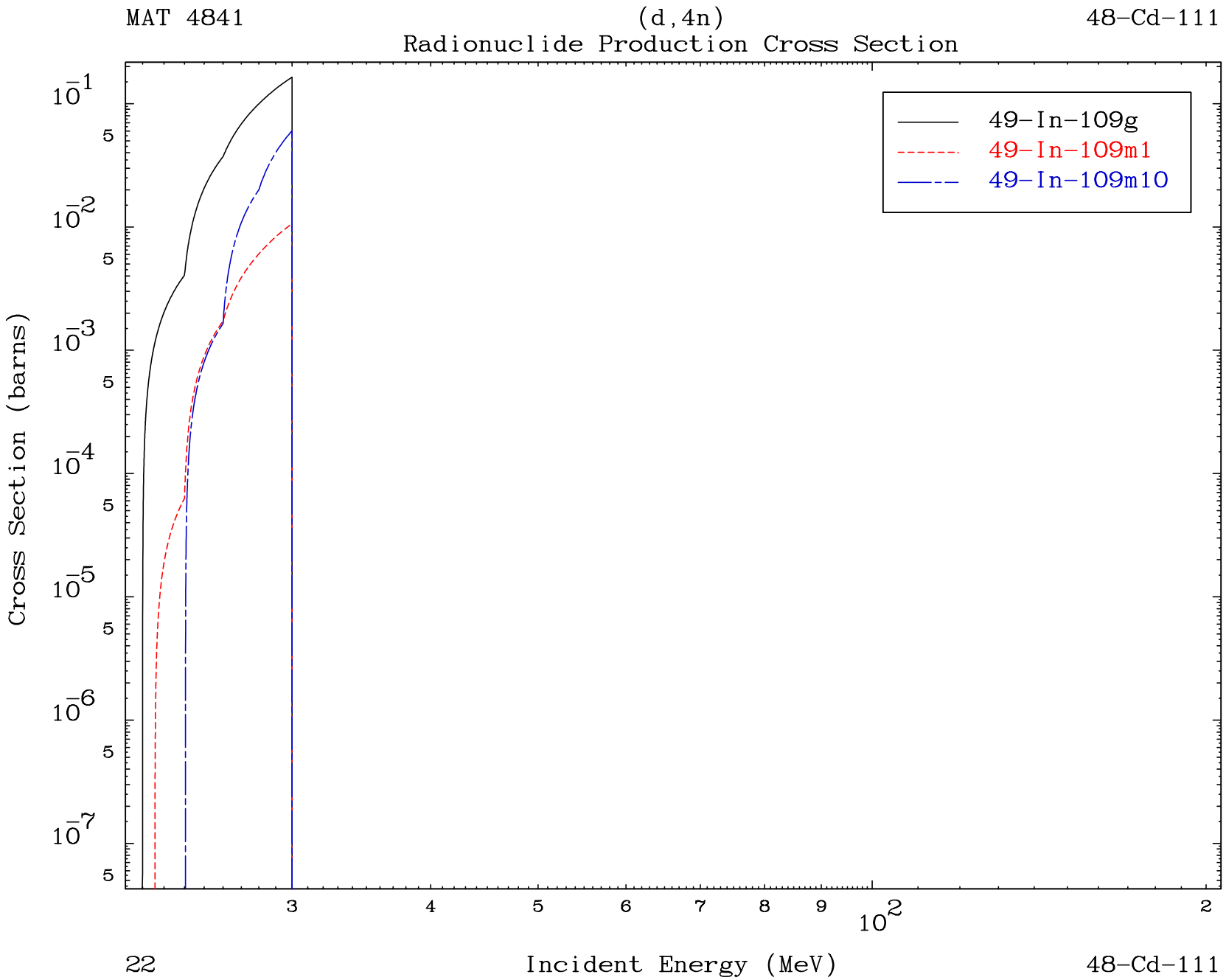

MAT 4841
(d,3n) α
48-Cd-111
Radionuclide Production Cross Section
47-Ag-106g
47-Ag-106m1
Cross Section (barns)
Incident Energy (MeV)
17
48-Cd-111

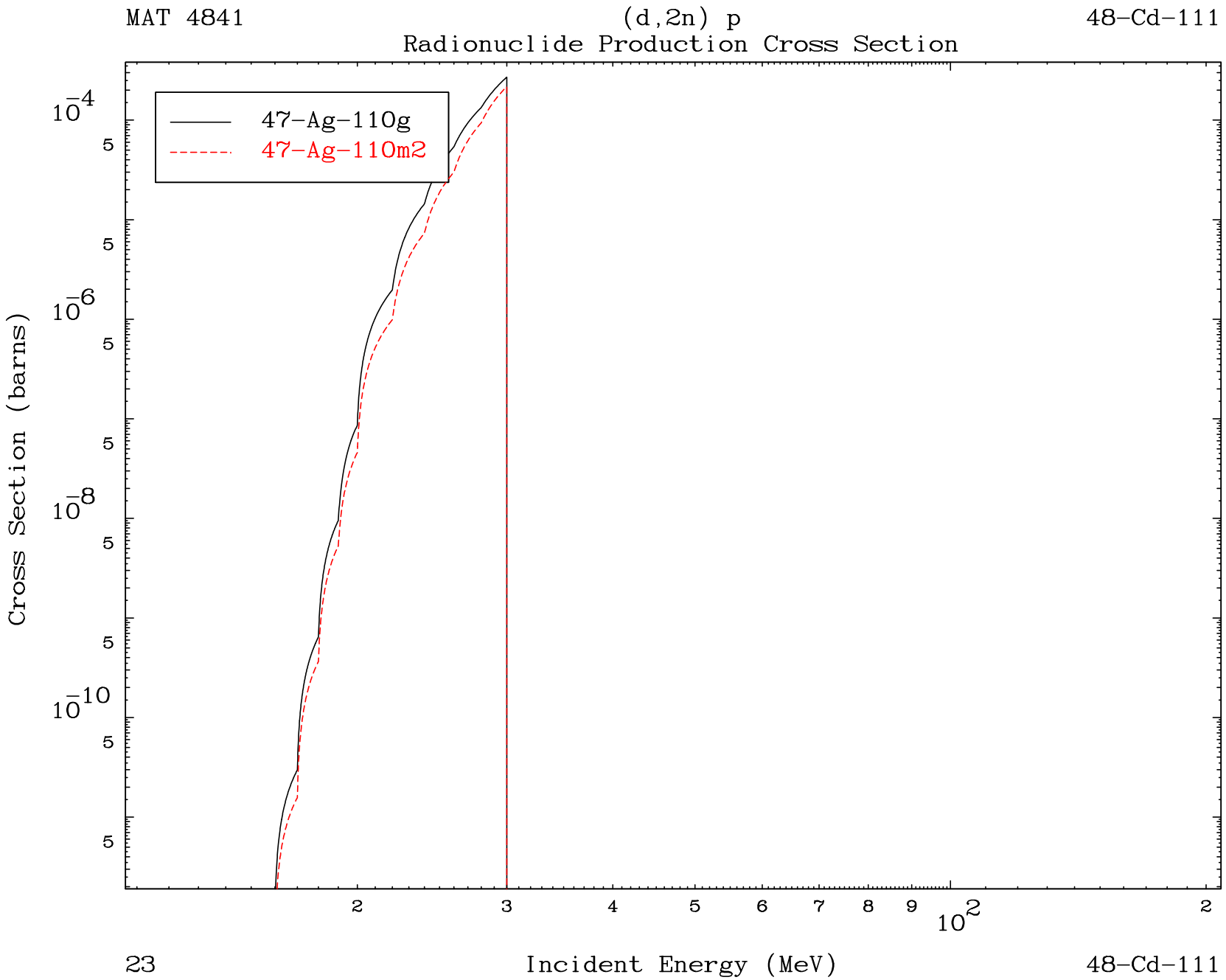

MAT 4841
(d,n') p
48-Cd-111
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
Incident Energy (MeV)
18
48-Cd-111

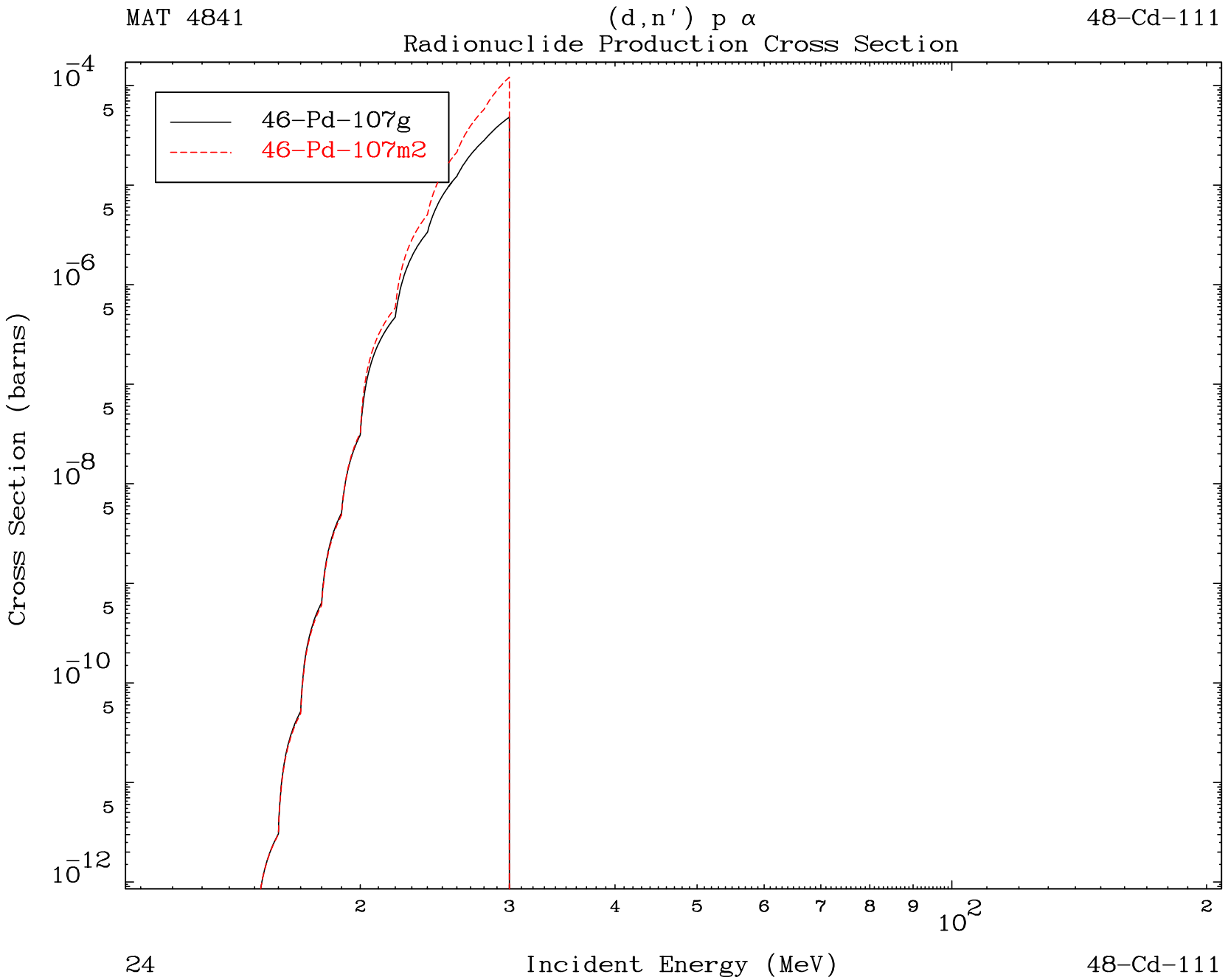

MAT 4841
(d,n') 2α
48-Cd-111
Radionuclide Production Cross Section
45-Rh-104g
45-Rh-104m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
4
6
8
10^1
10^2
19
Incident Energy (MeV)
48-Cd-111

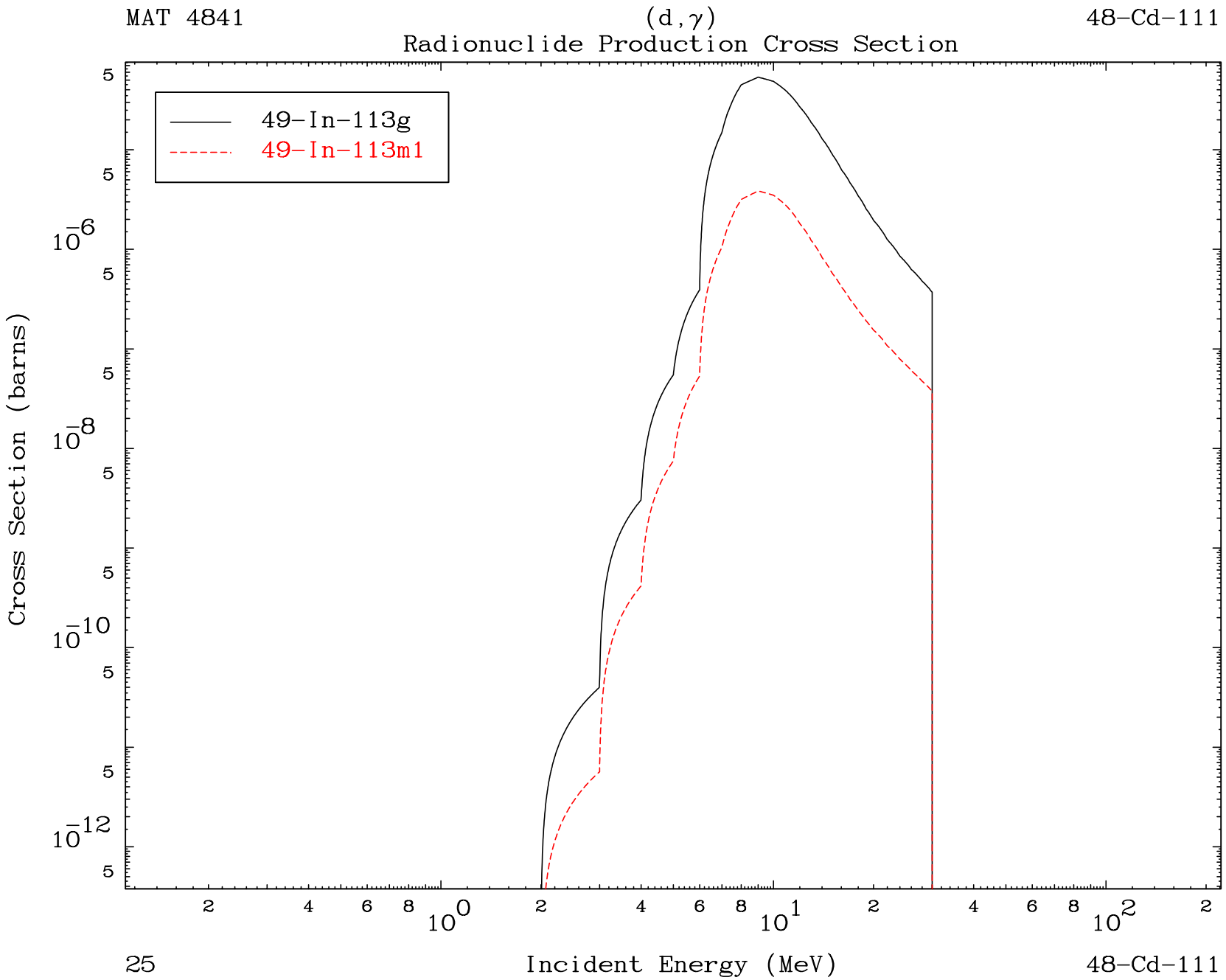

MAT 4841
(d,2n) 2α
48-Cd-111
Radionuclide Production Cross Section
45-Rh-103g
45-Rh-103m1
Cross Section (barns)
Incident Energy (MeV)
20
48-Cd-111

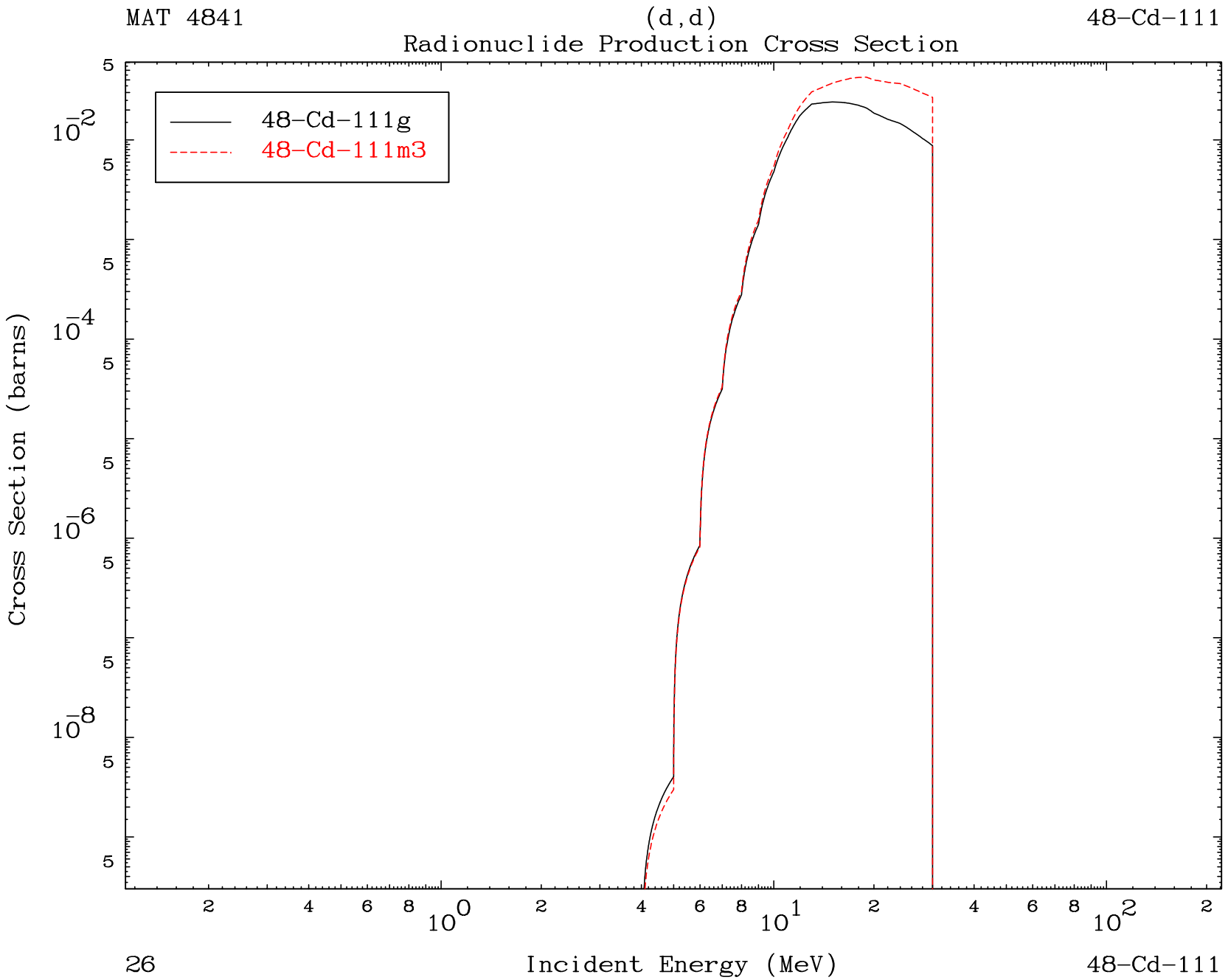

MAT 4841
(d,n') He-3
48-Cd-111
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
Incident Energy (MeV)
21
48-Cd-111

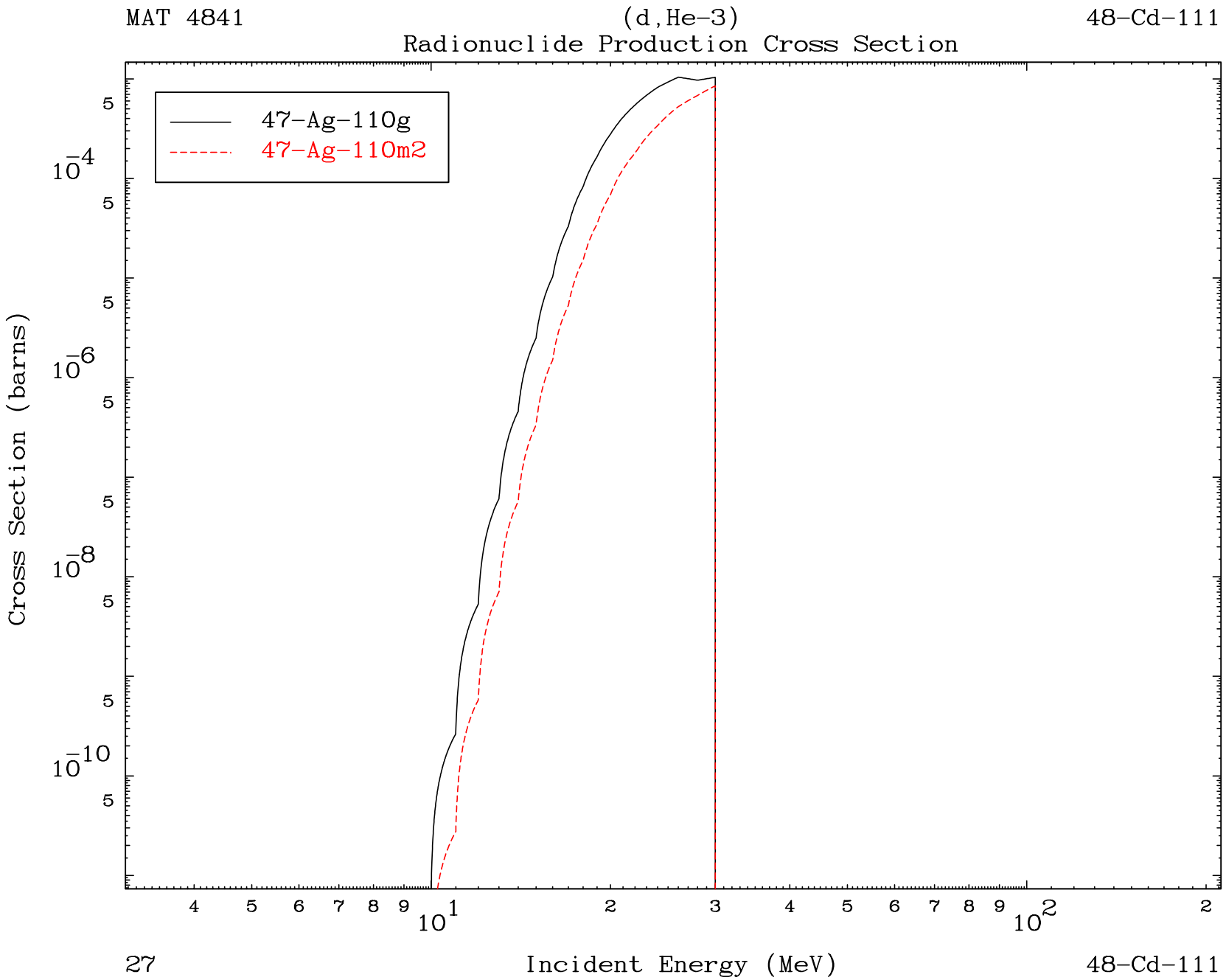

MAT 4841
(d,4n)
48-Cd-111
Radionuclide Production Cross Section
49-In-109g
49-In-109m1
49-In-109m10
Cross Section (barns)
Incident Energy (MeV)
22
48-Cd-111

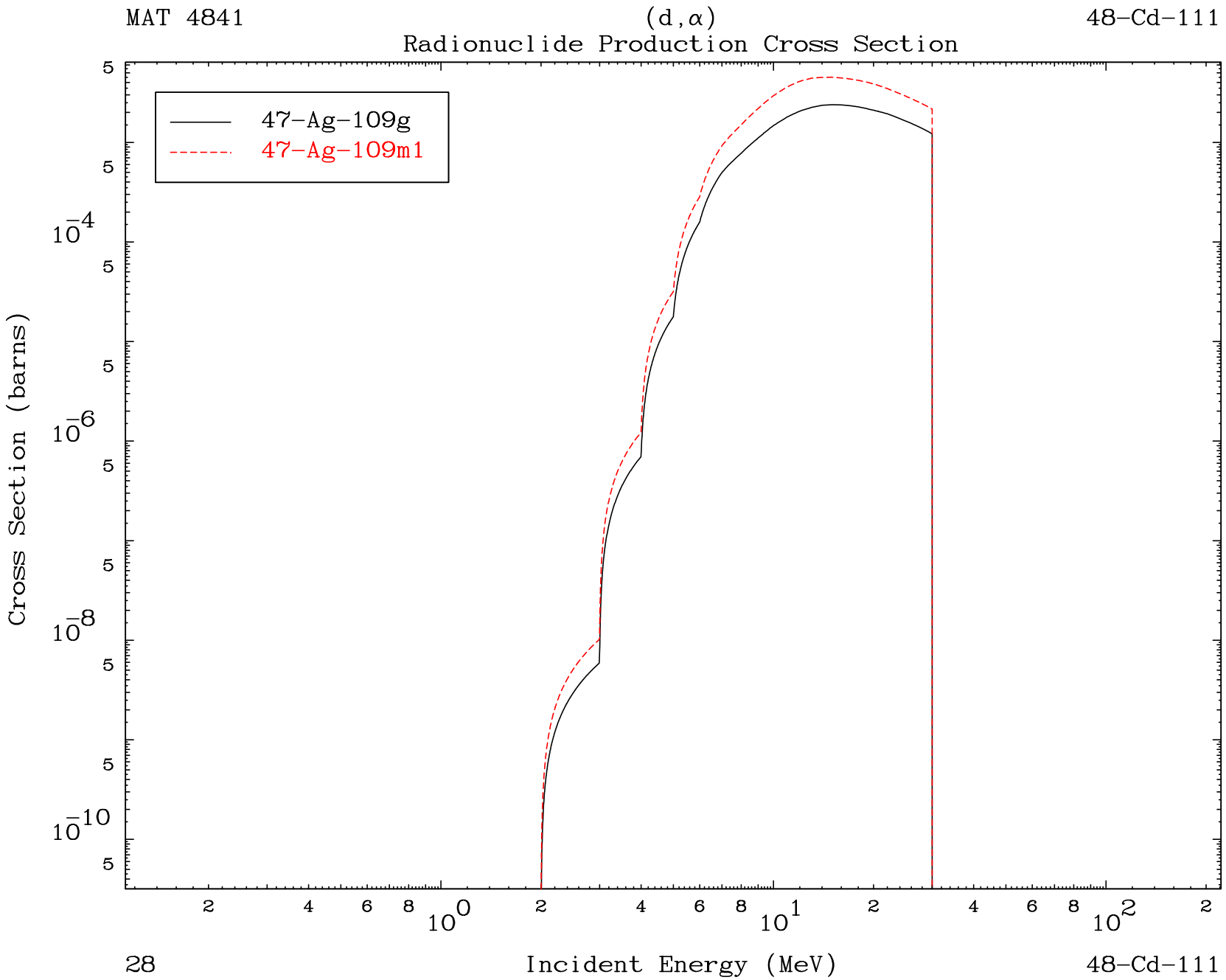

MAT 4841
(d,2n) p
48-Cd-111
Radionuclide Production Cross Section
47-Ag-110g
47-Ag-110m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
23
Incident Energy (MeV)
48-Cd-111

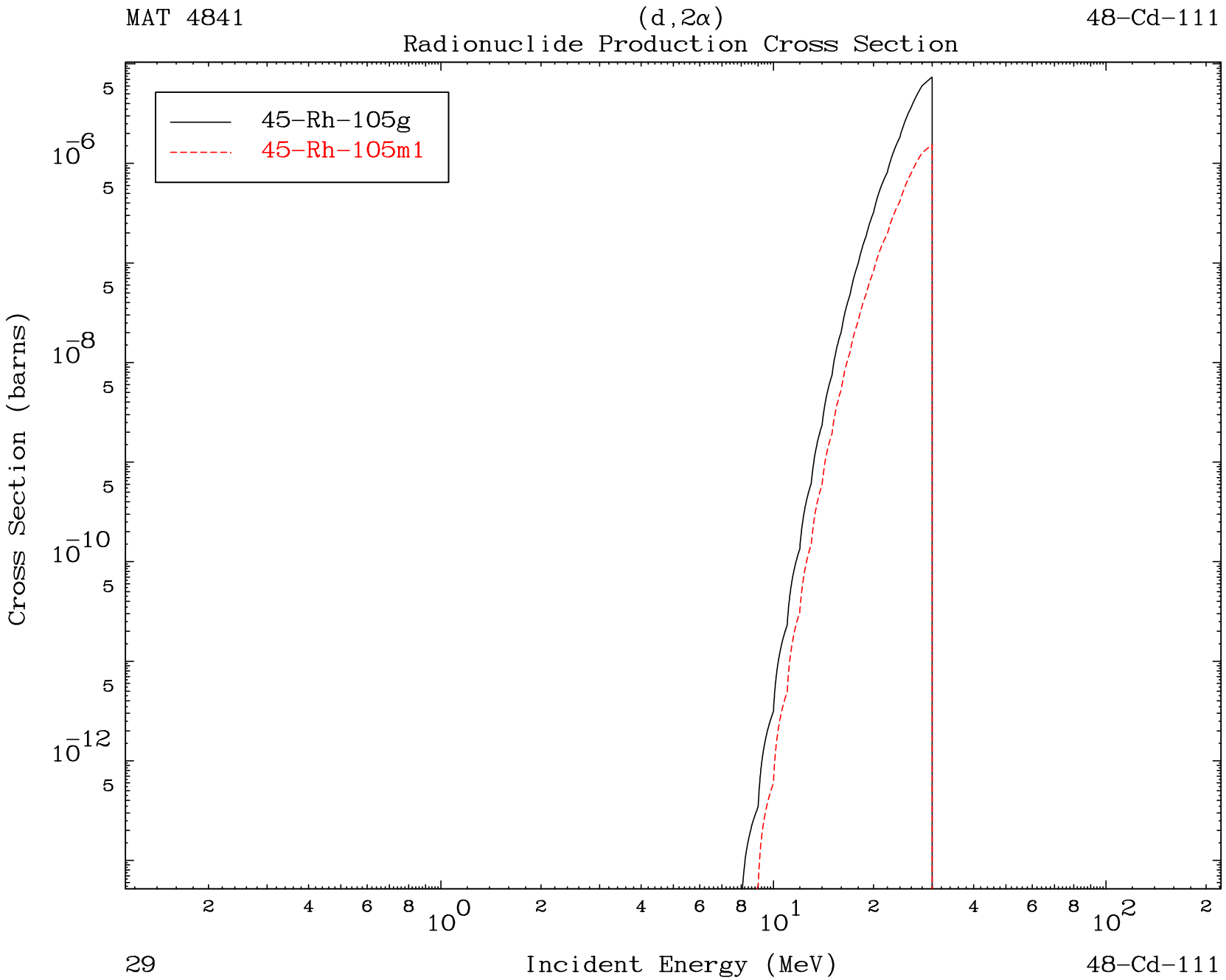

MAT 4841
(d,n') p α
48-Cd-111
Radionuclide Production Cross Section
46-Pd-107g
46-Pd-107m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
24
Incident Energy (MeV)
48-Cd-111

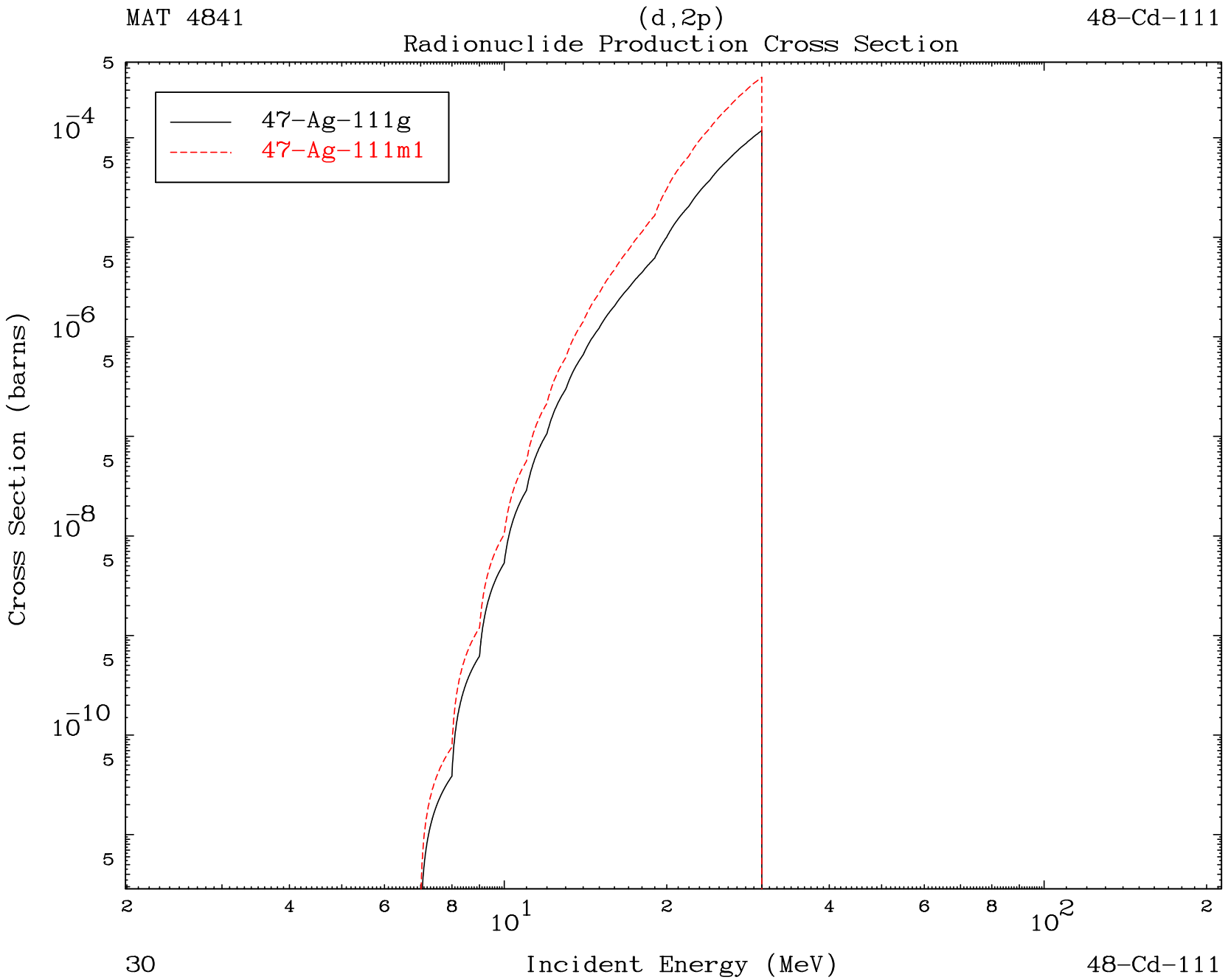

MAT 4841
(d,γ)
48-Cd-111
Radionuclide Production Cross Section
49-In-113g
49-In-113m1
Cross Section (barns)
Incident Energy (MeV)
25
48-Cd-111

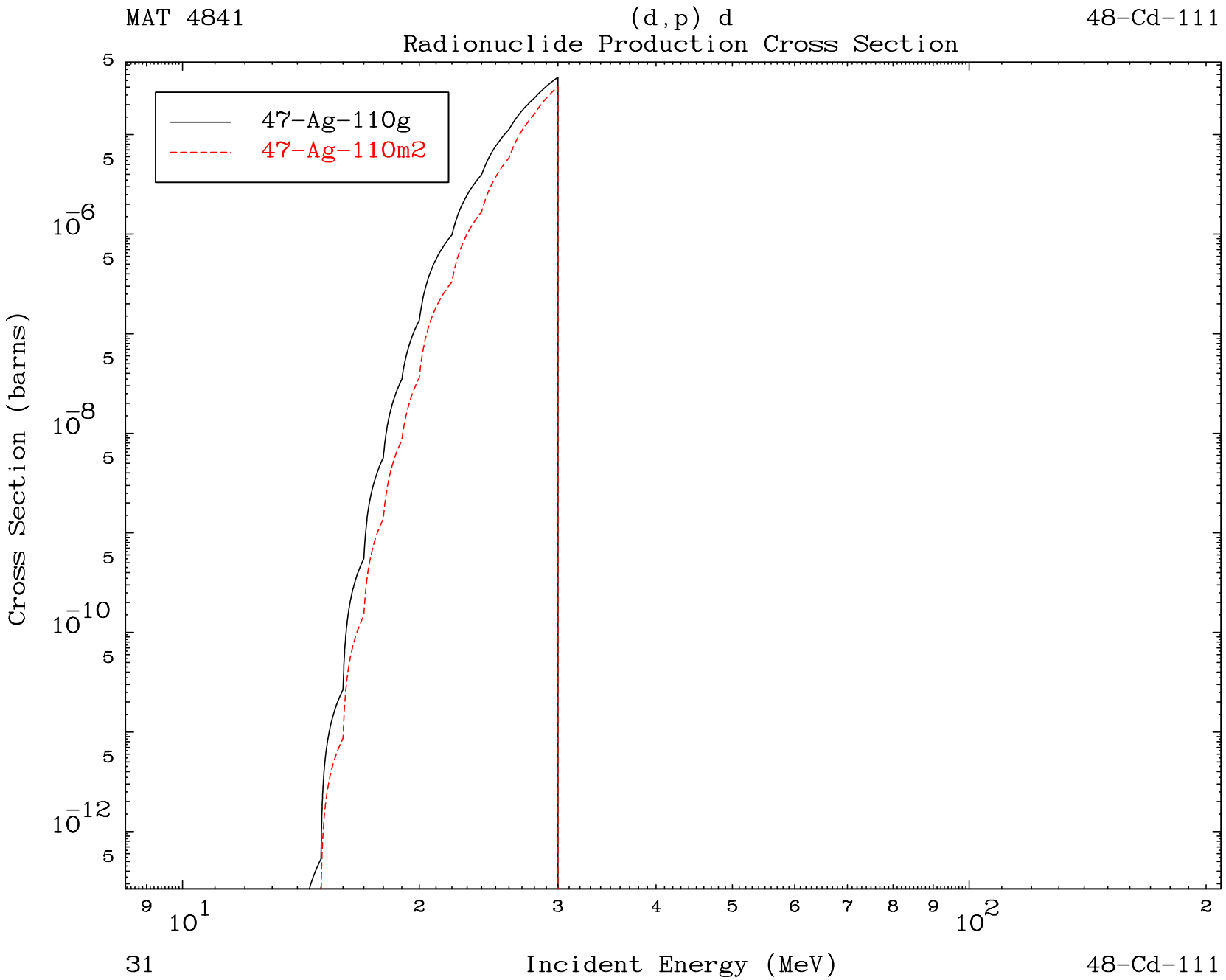

MAT 4841
(d,d)
48-Cd-111
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
Incident Energy (MeV)
26
48-Cd-111

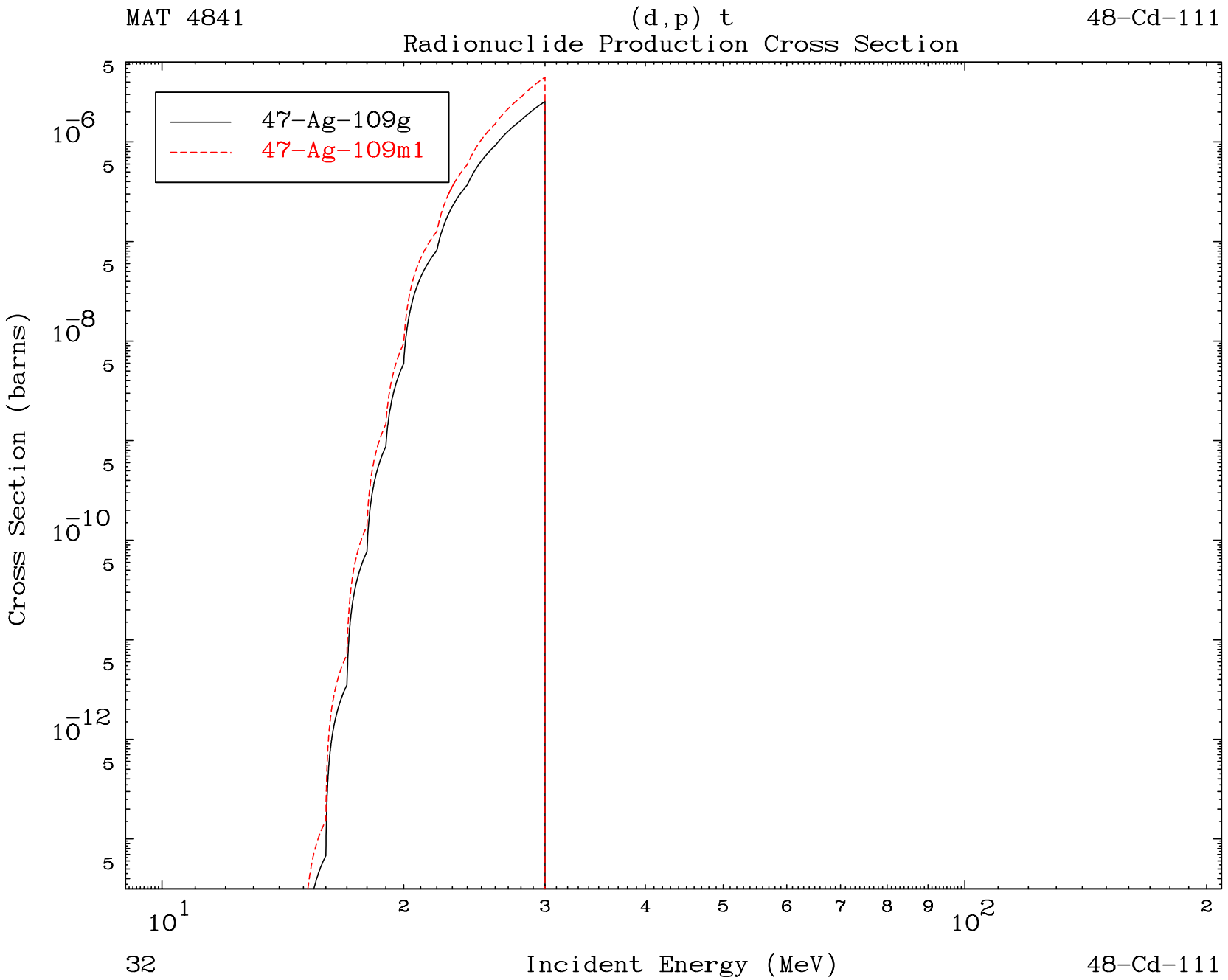

MAT 4841
(d,He-3)
48-Cd-111
Radionuclide Production Cross Section
47-Ag-110g
47-Ag-110m2
Cross Section (barns)
Incident Energy (MeV)
27
48-Cd-111

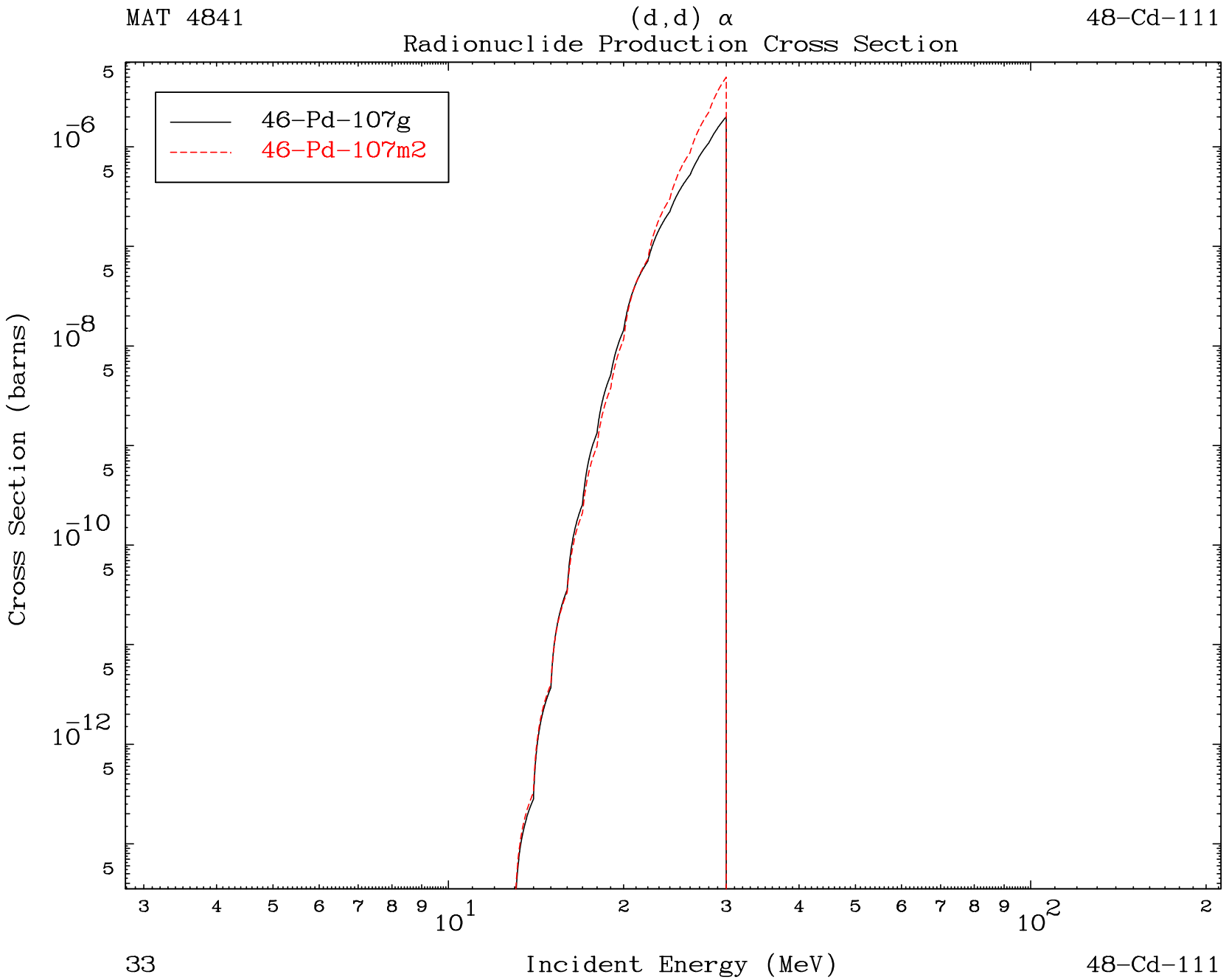

MAT 4841
(d,α)
48-Cd-111
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
Incident Energy (MeV)
28
48-Cd-111


MAT 4841
(d,2α)
48-Cd-111
Radionuclide Production Cross Section
45-Rh-105g
45-Rh-105m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
29
48-Cd-111


MAT 4841
(d,2p)
48-Cd-111
Radionuclide Production Cross Section
47-Ag-111g
47-Ag-111m1
Cross Section (barns)
Incident Energy (MeV)
30
48-Cd-111


MAT 4841
(d,p) d
48-Cd-111
Radionuclide Production Cross Section
47-Ag-110g
47-Ag-110m2
Cross Section (barns)
Incident Energy (MeV)
31
48-Cd-111


MAT 4841
(d,p) t
48-Cd-111
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
Incident Energy (MeV)
32
48-Cd-111


MAT 4841
(d,d) α
48-Cd-111
Radionuclide Production Cross Section
46-Pd-107g
46-Pd-107m2
Cross Section (barns)
Incident Energy (MeV)
33
48-Cd-111