Program EVALPLOT
(Version 2021-1)
by
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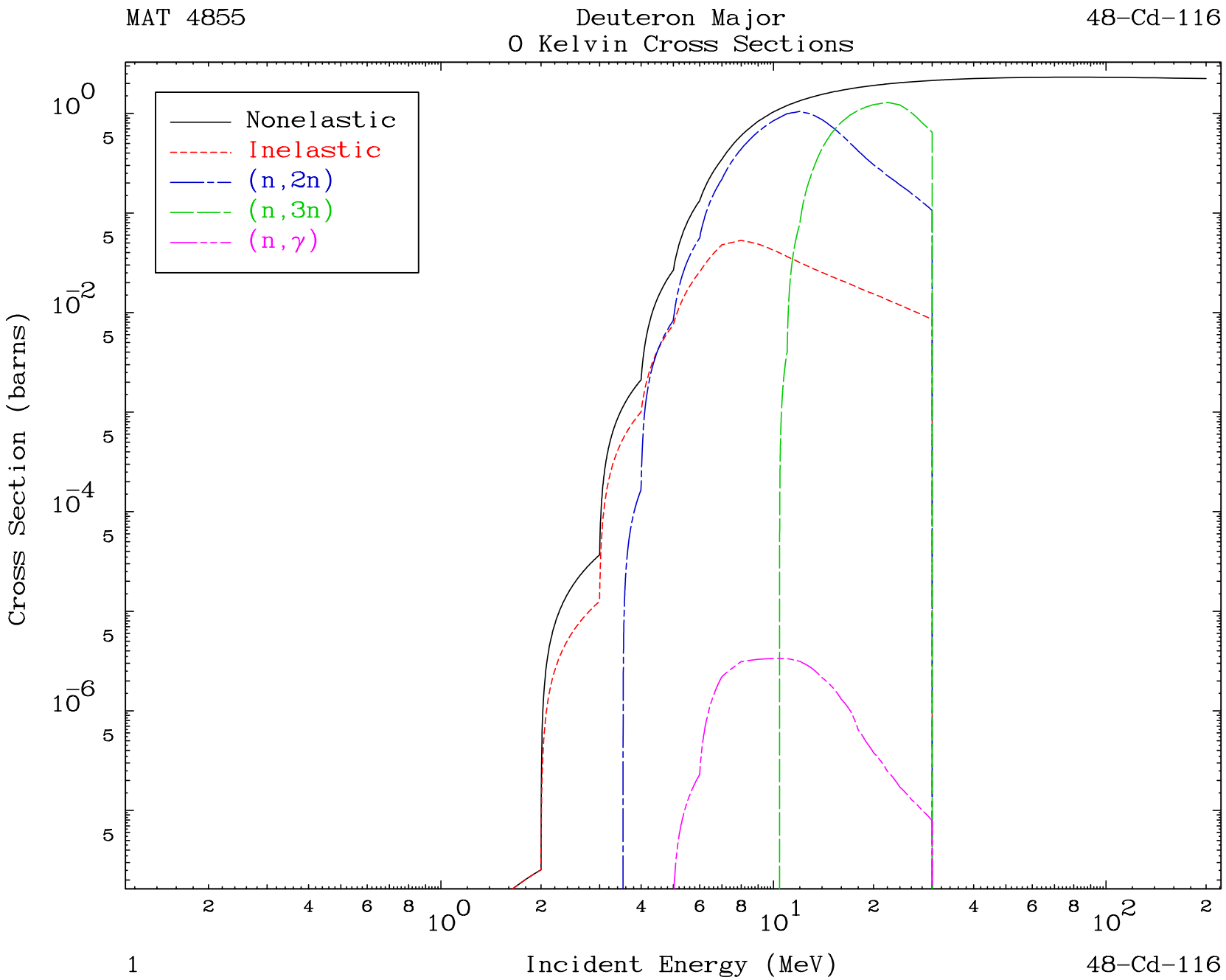
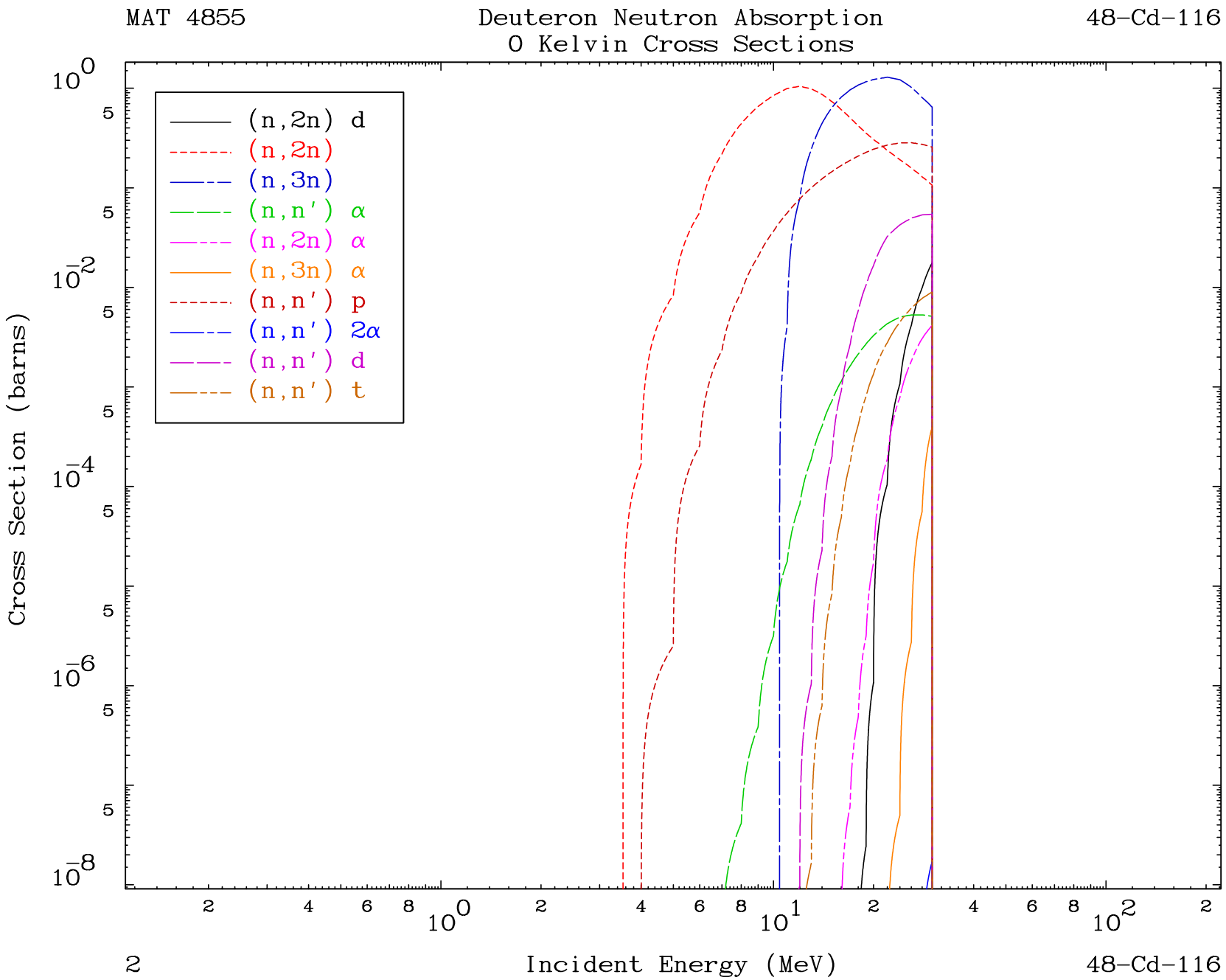
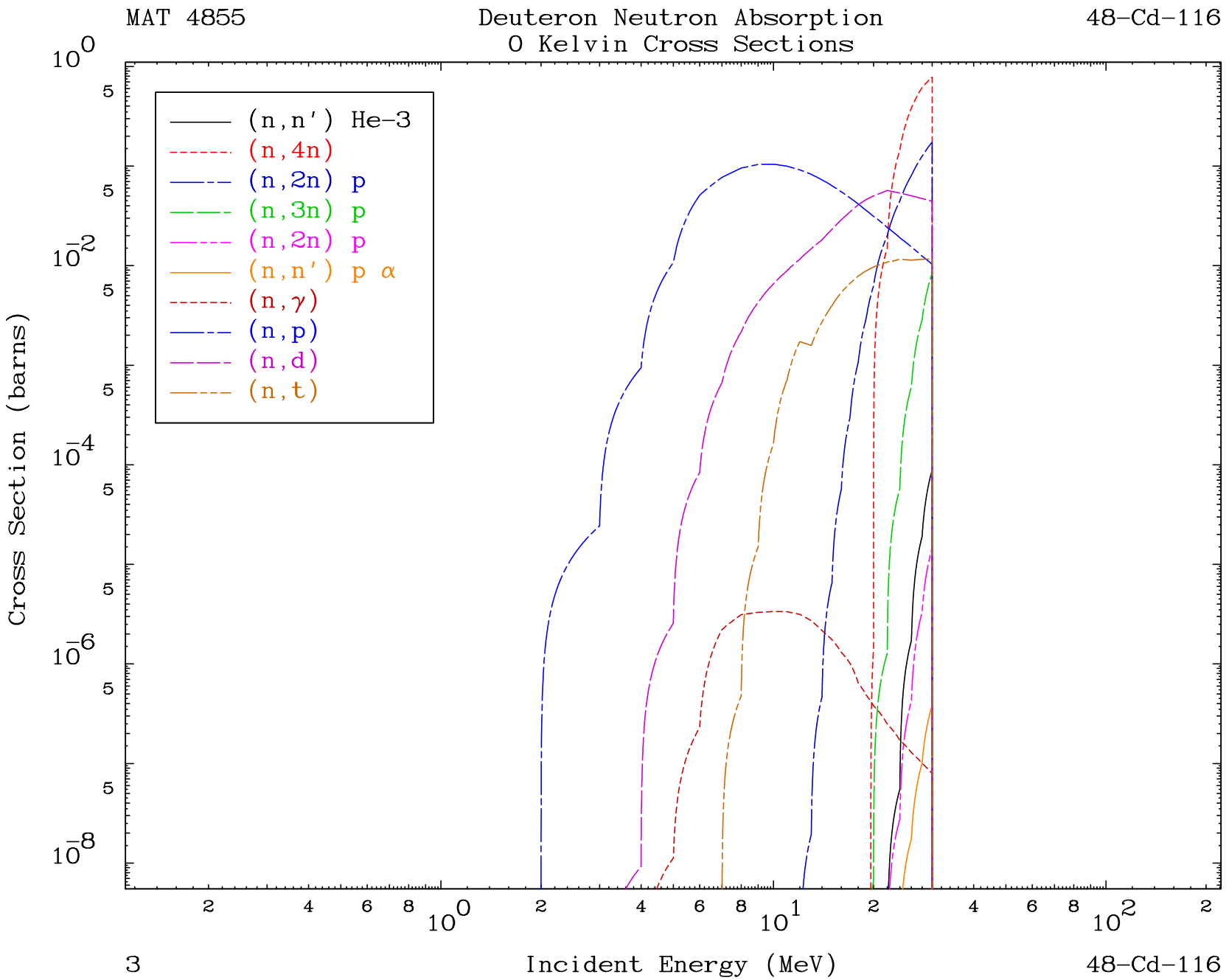
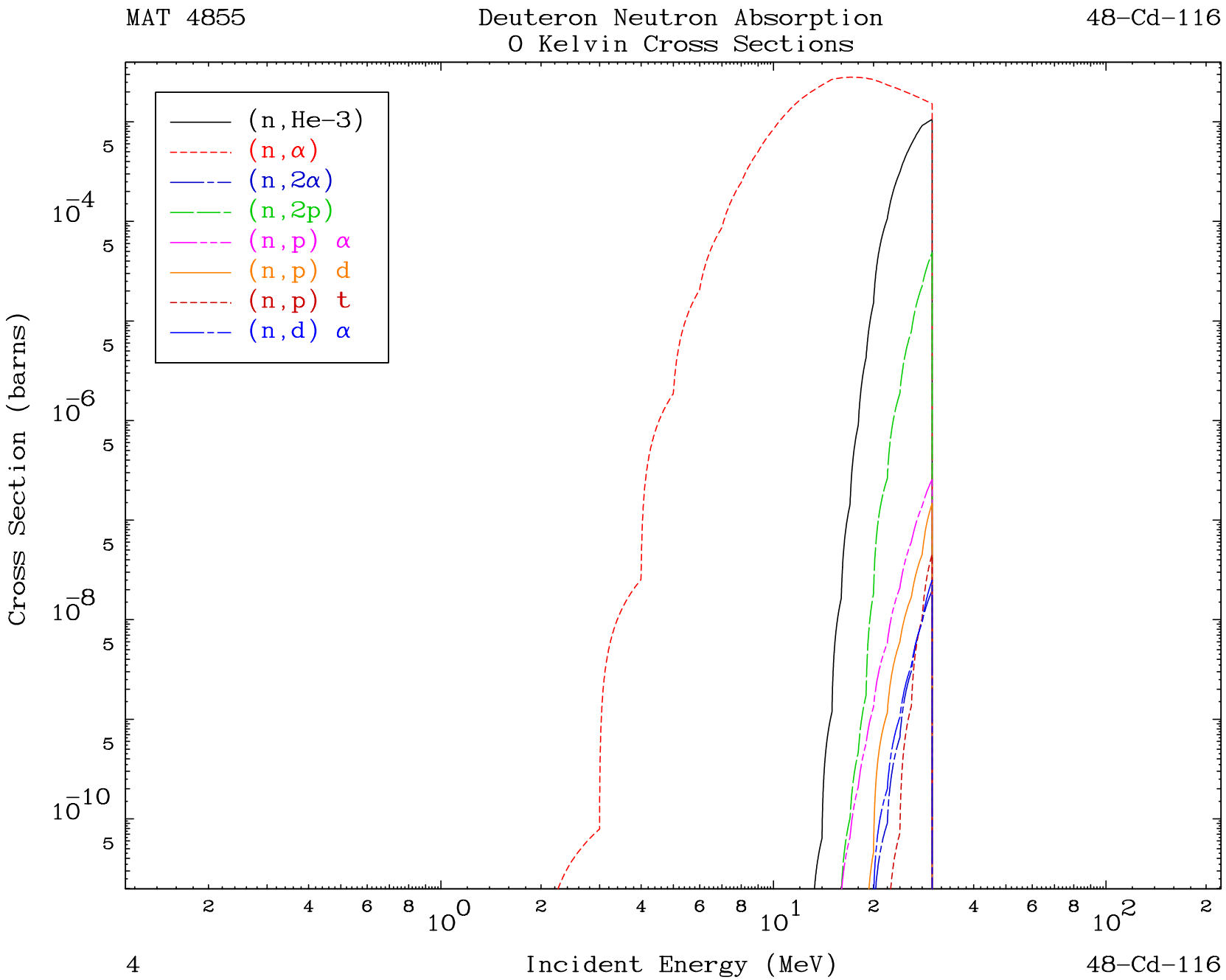
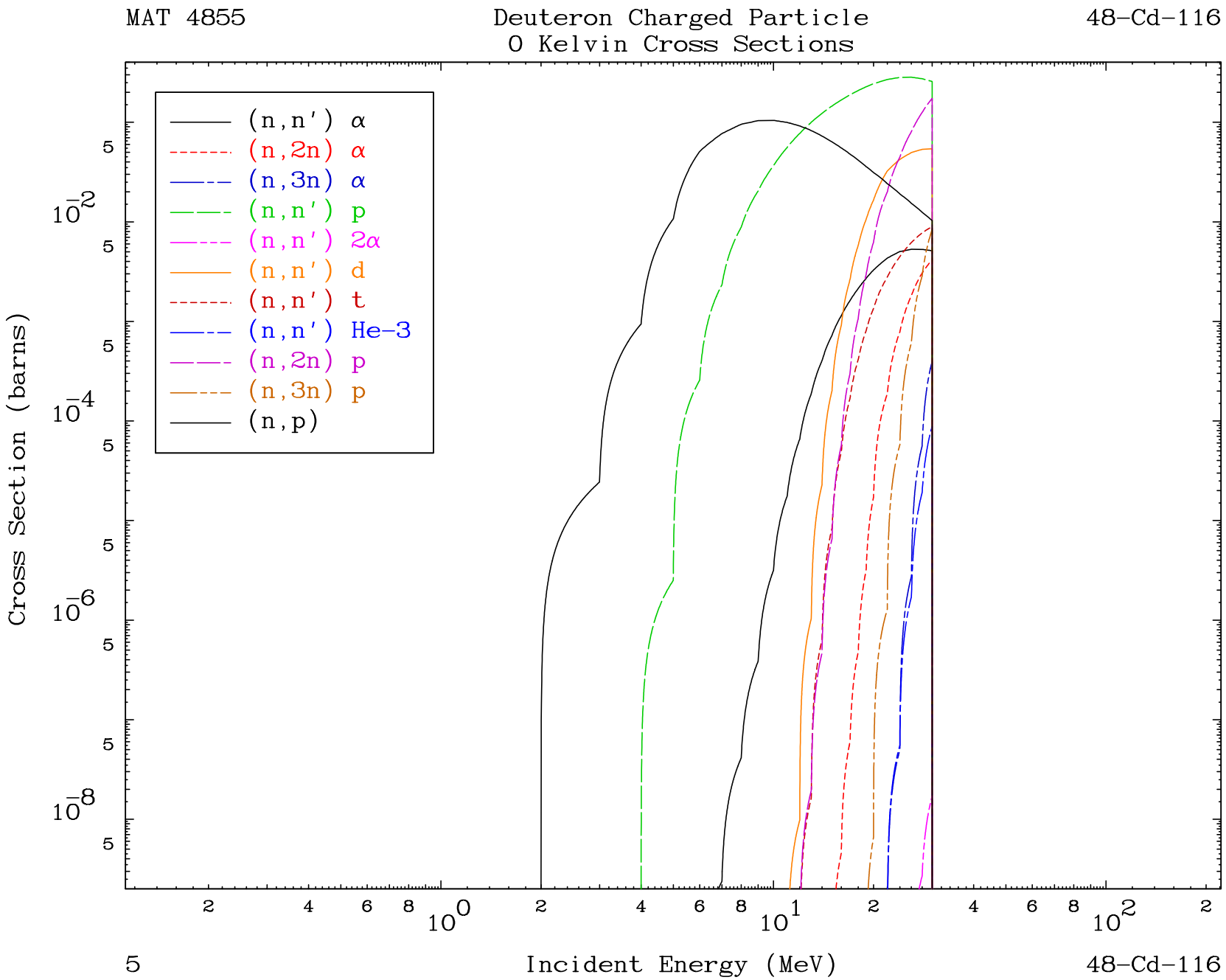
Press Mouse Button to Start

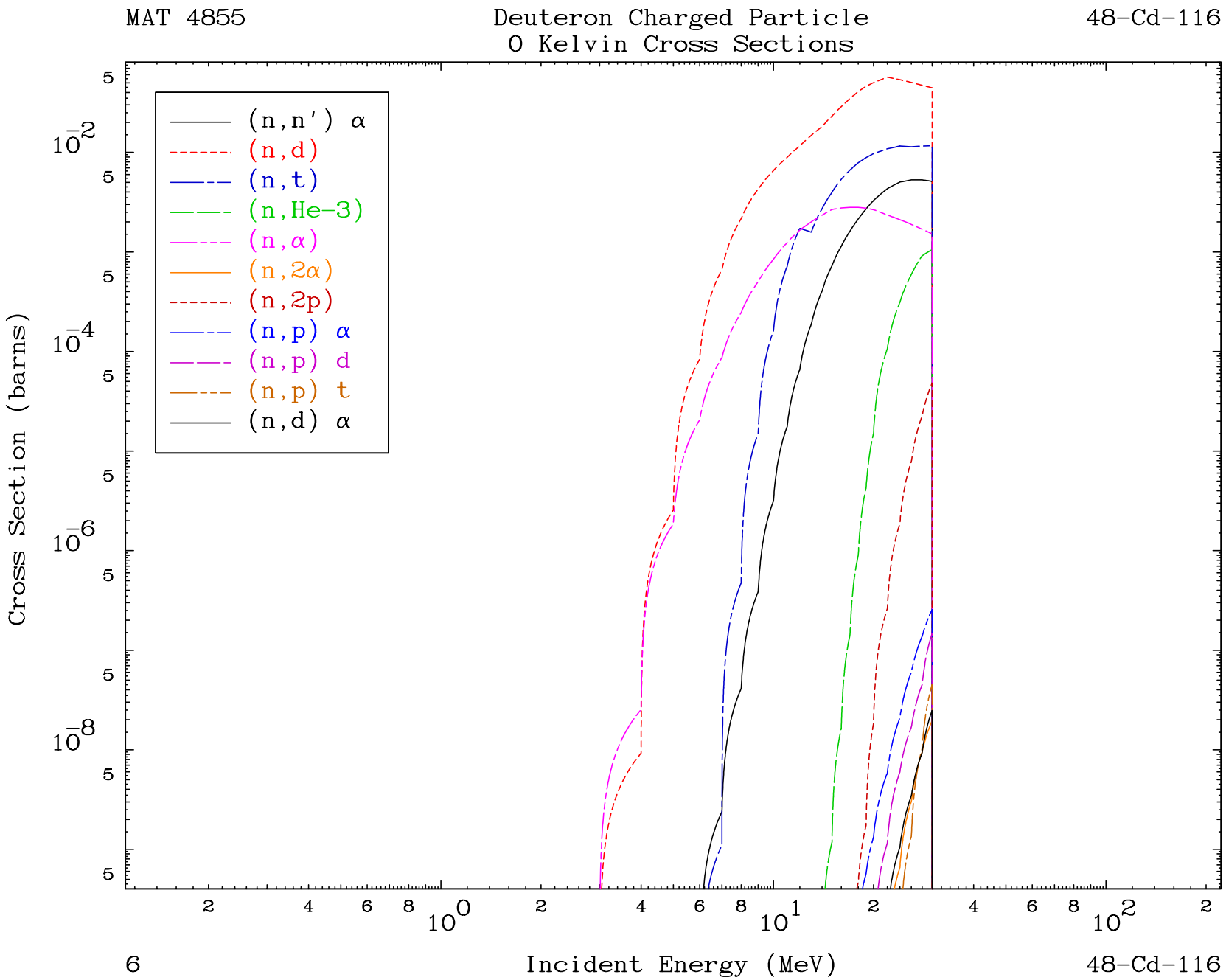

MAT 4855
Deuteron Major
48-Cd-116
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
48-Cd-116
1

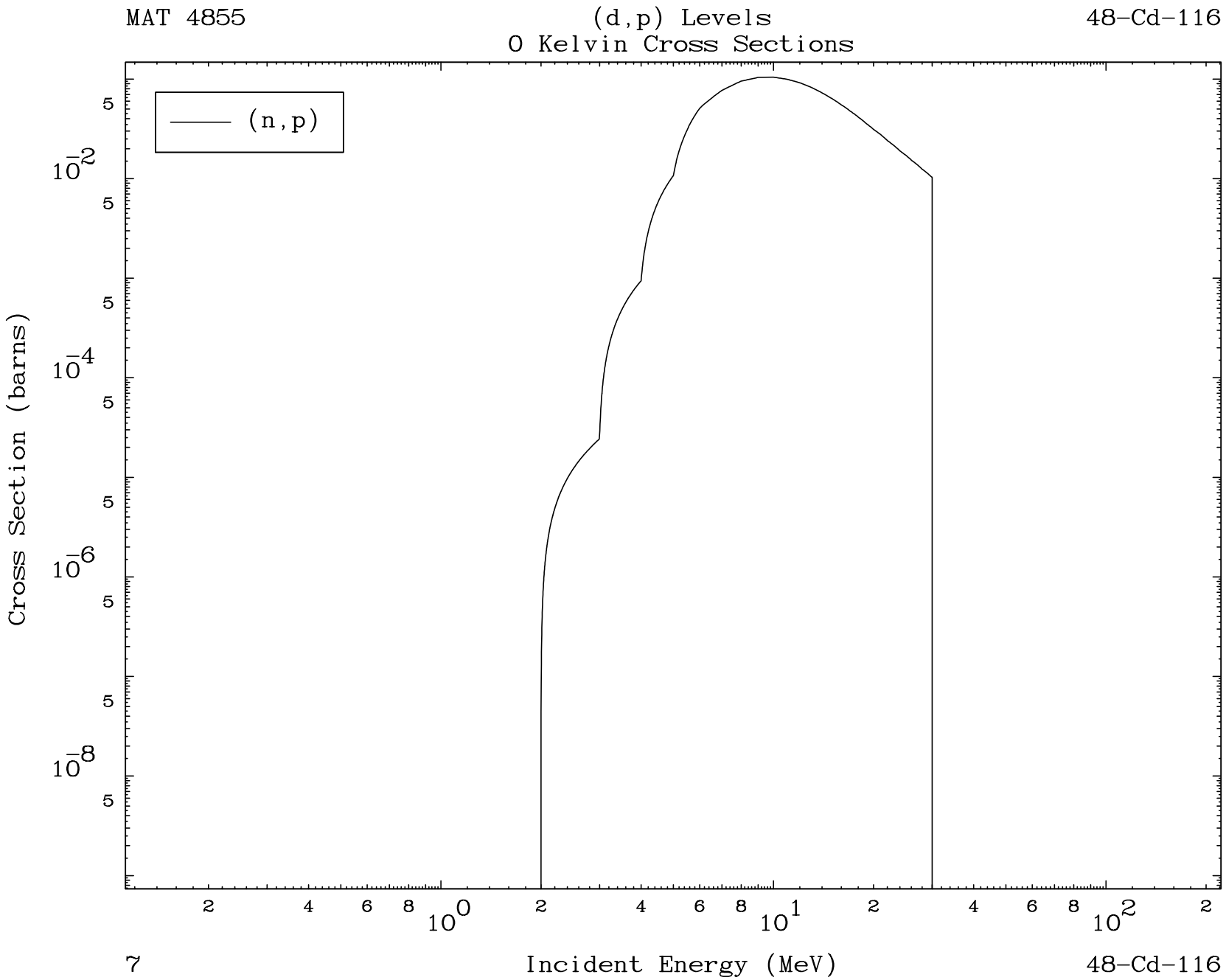

MAT 4855
Deuteron Neutron Absorption
0 Kelvin Cross Sections
48-Cd-116
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
48-Cd-116
2

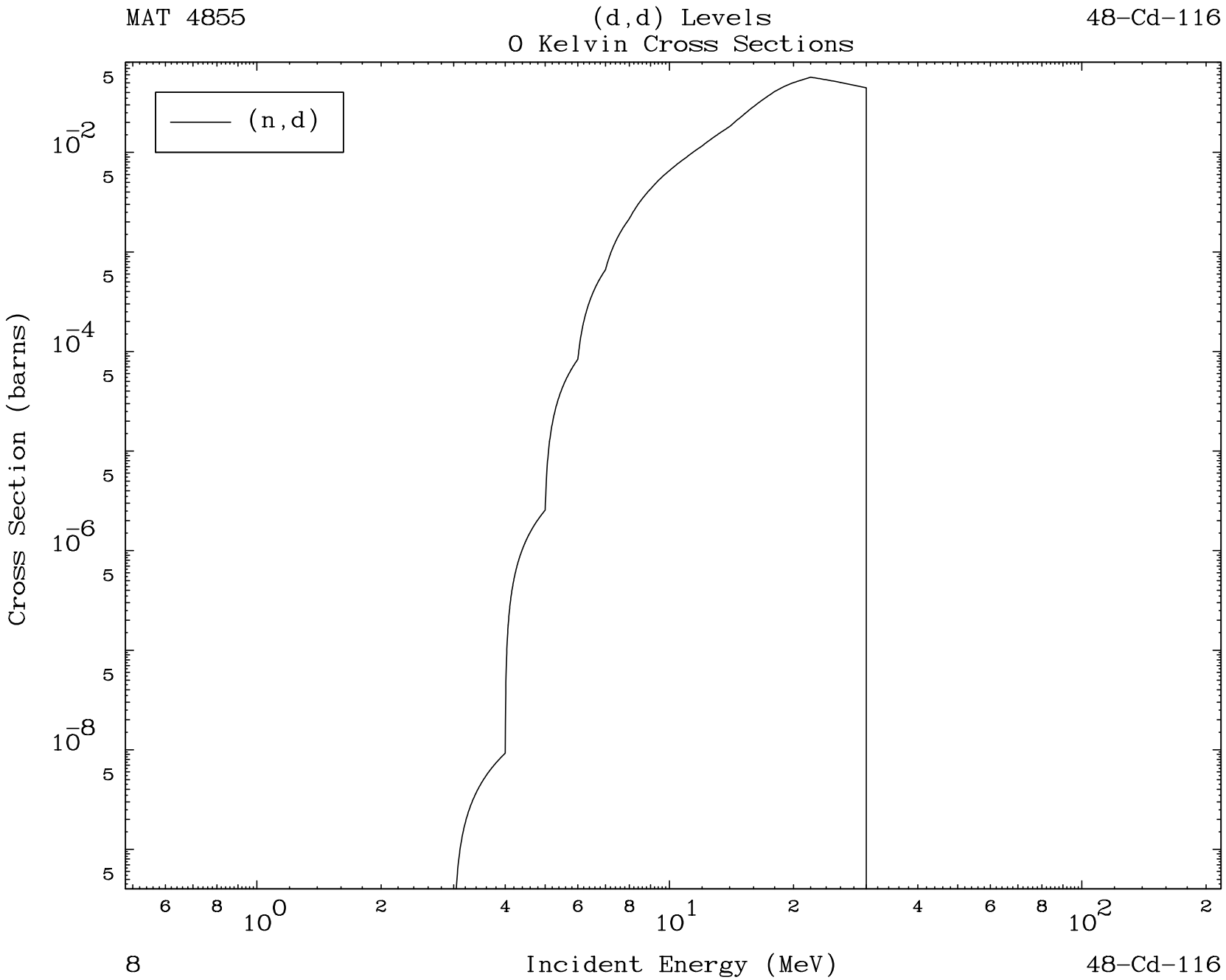

MAT 4855
Deuteron Neutron Absorption
0 Kelvin Cross Sections
48-Cd-116
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
48-Cd-116

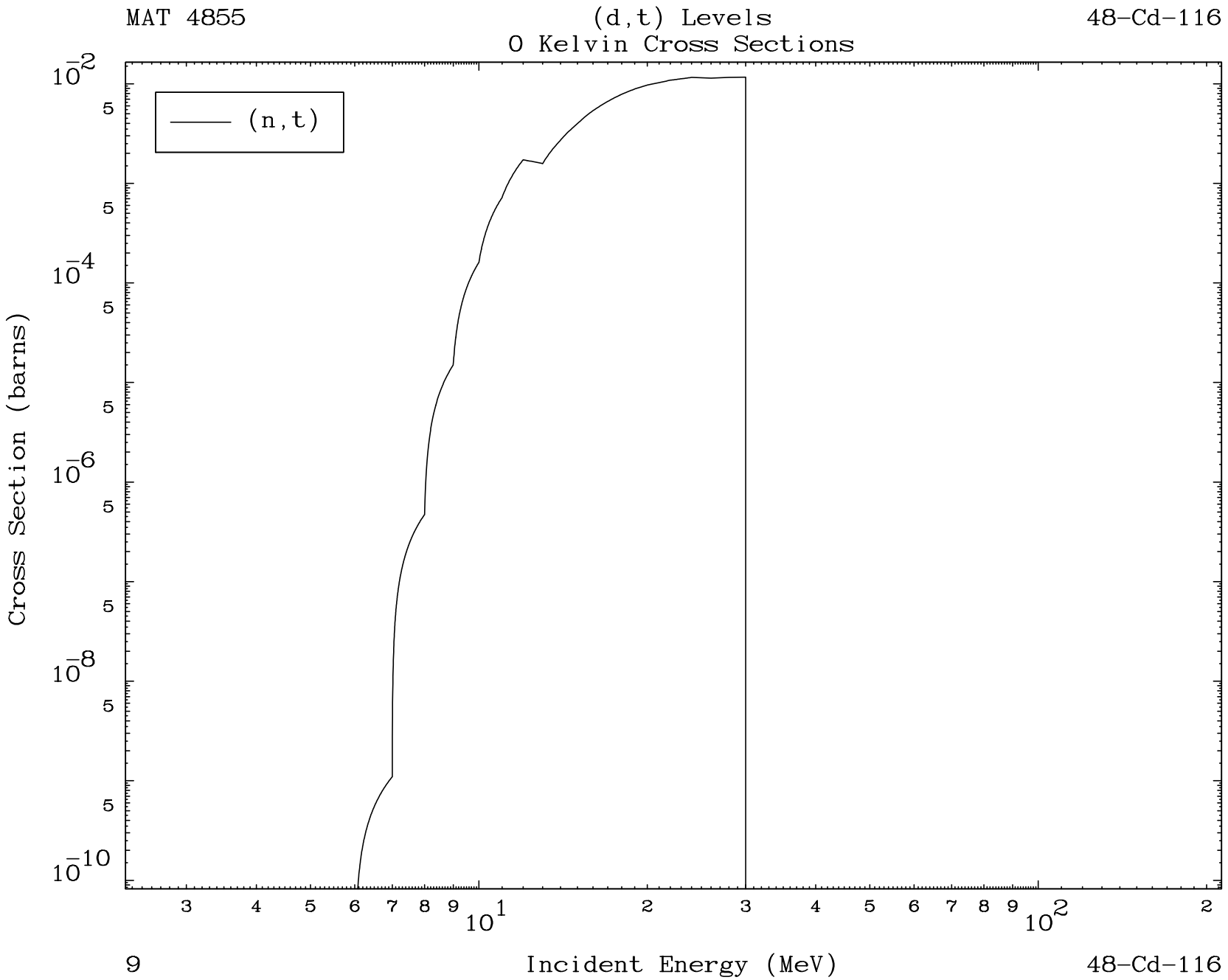

MAT 4855
Deuteron Neutron Absorption
0 Kelvin Cross Sections
48-Cd-116
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
48-Cd-116

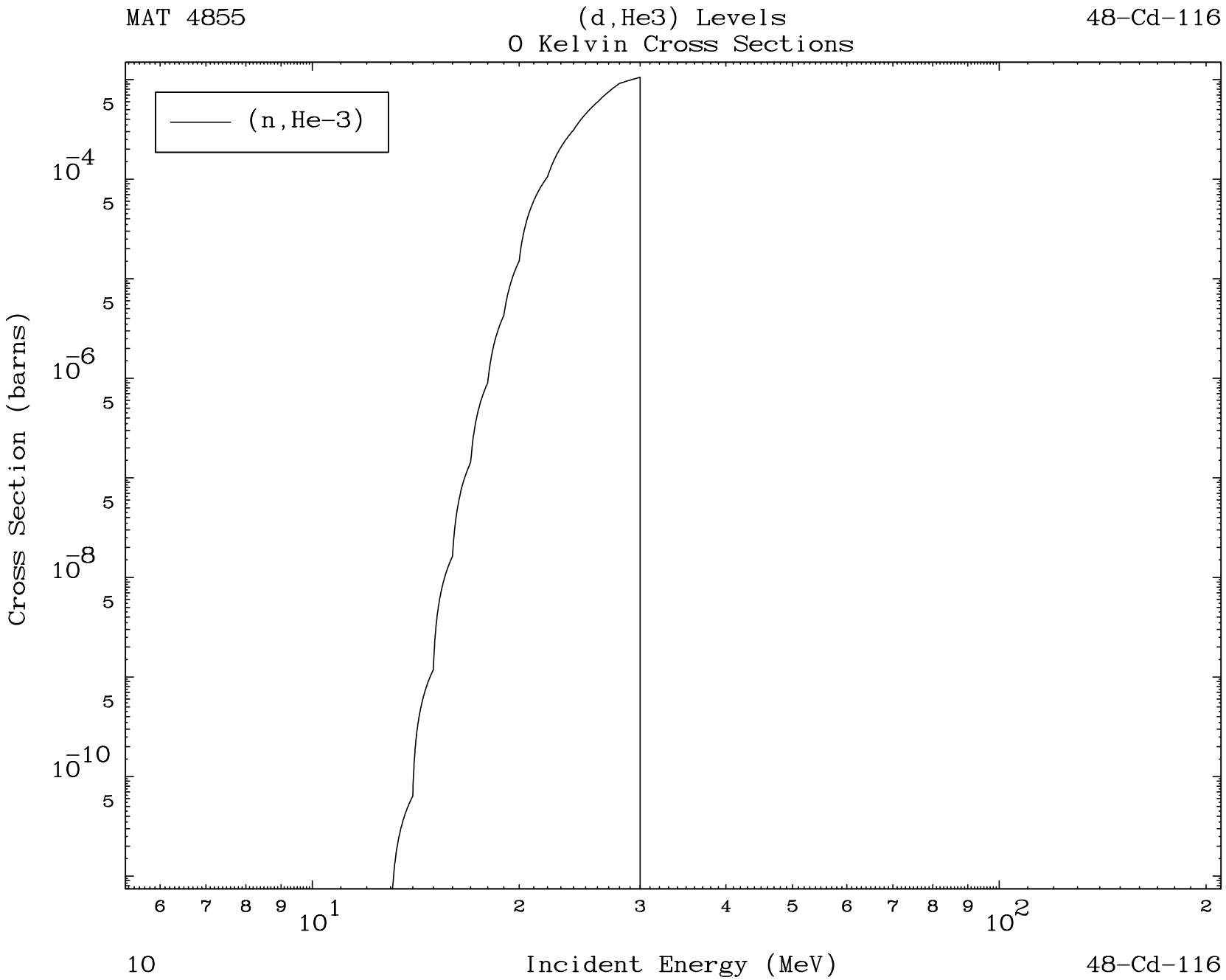

MAT 4855
Deuteron Charged Particle
0 Kelvin Cross Sections
48-Cd-116
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
5
48-Cd-116

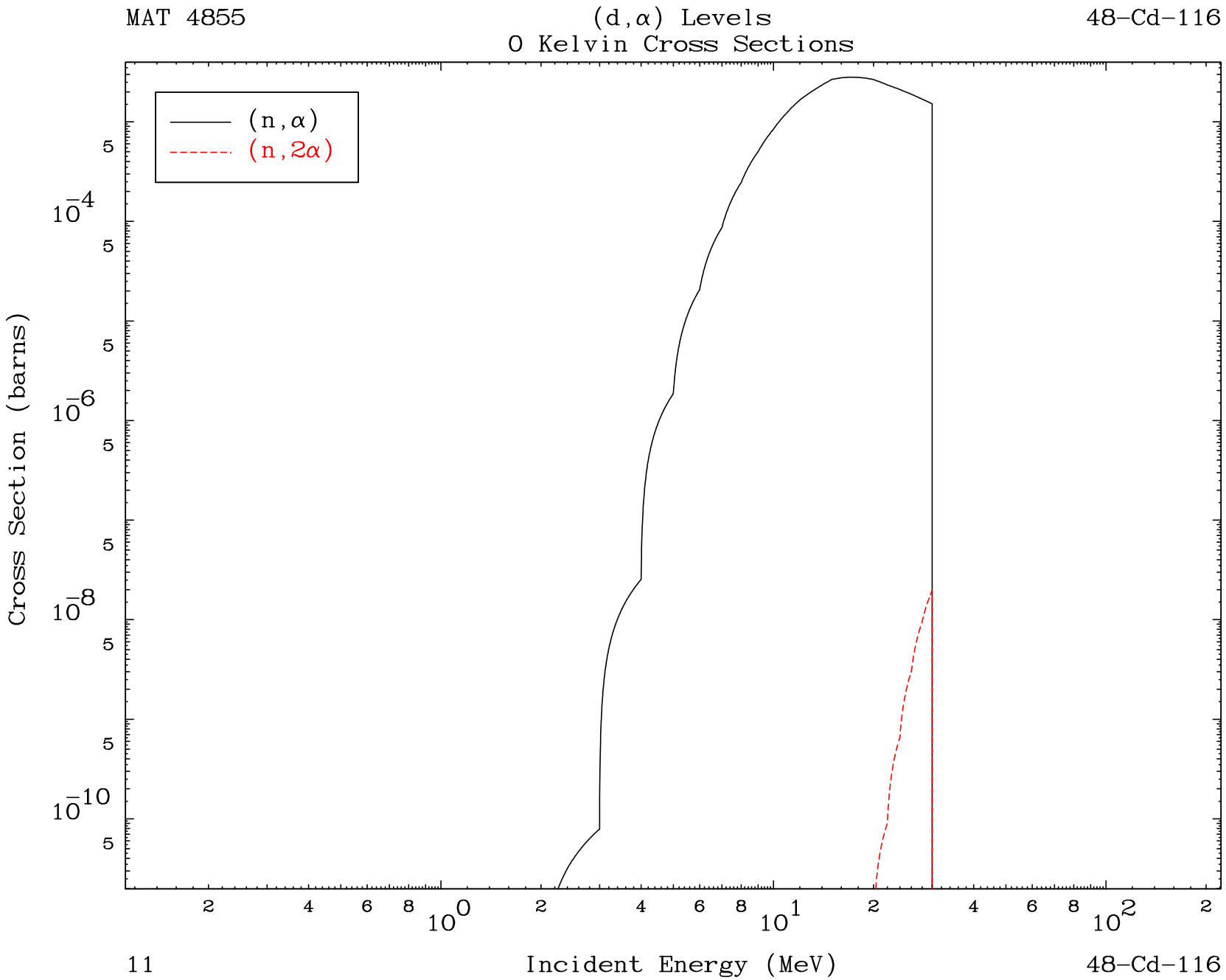

MAT 4855
Deuteron Charged Particle
0 Kelvin Cross Sections
48-Cd-116
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
48-Cd-116

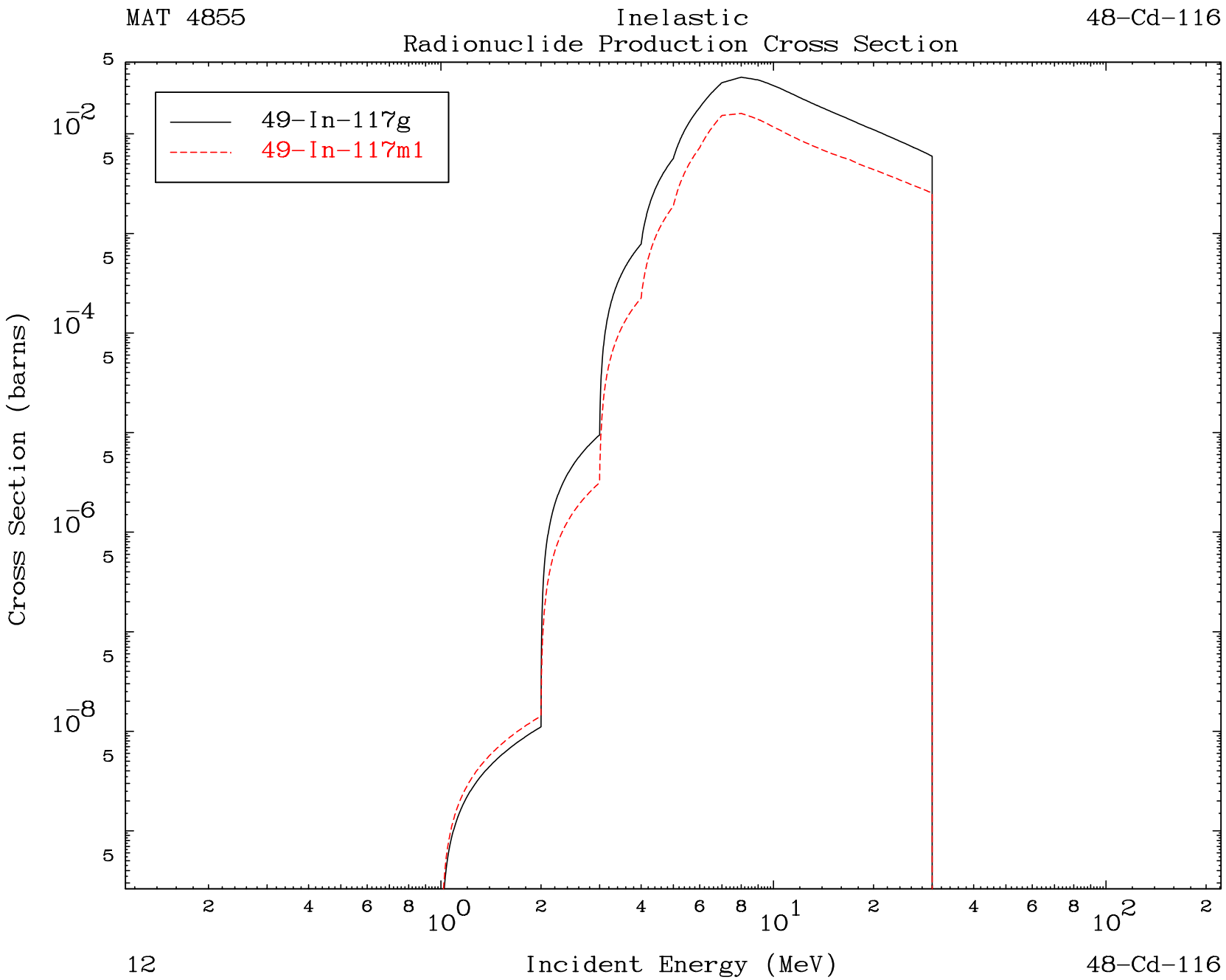

MAT 4855
(d,p) Levels
48-Cd-116
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
48-Cd-116

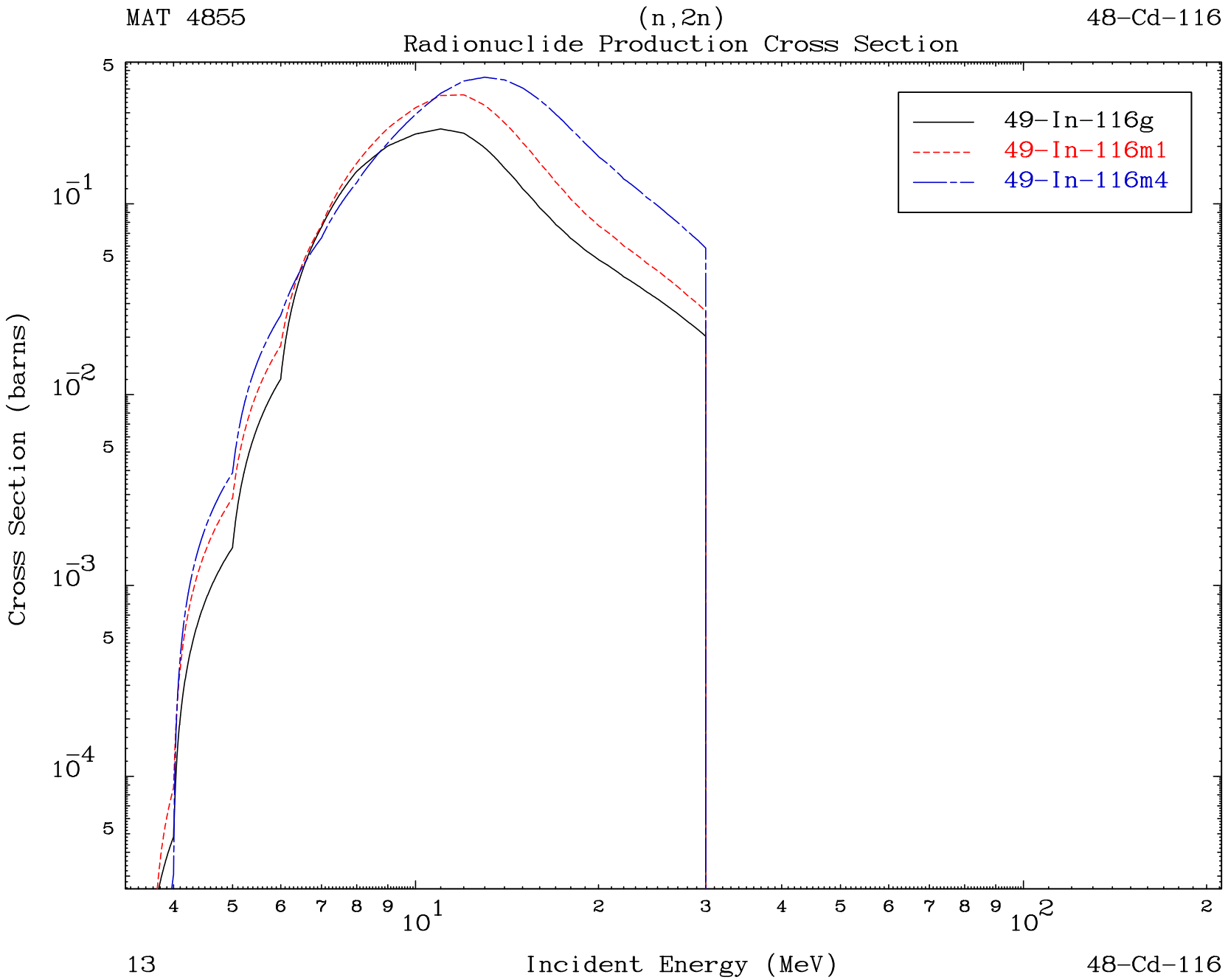

MAT 4855
(d,d) Levels
48-Cd-116
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
48-Cd-116
8

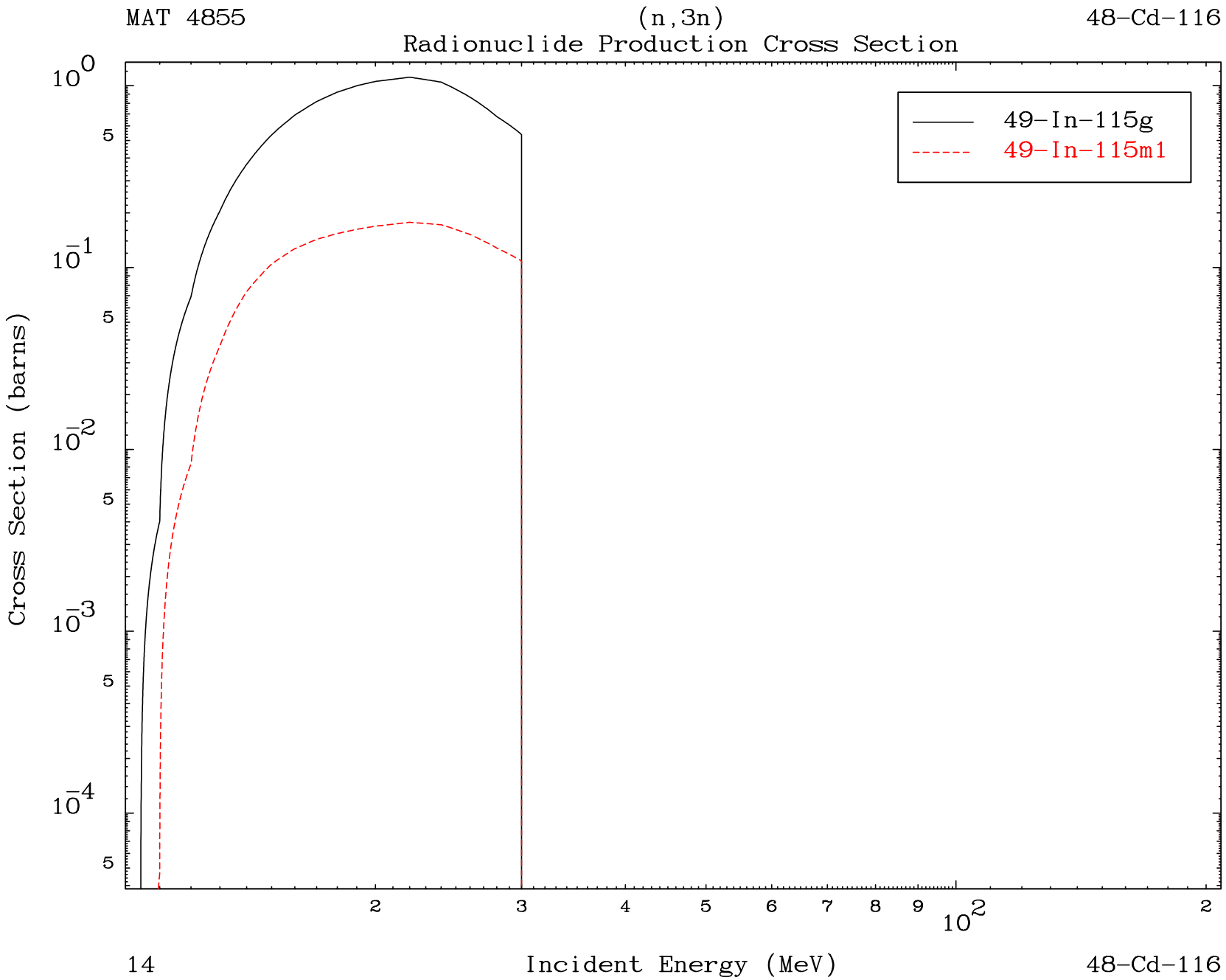

MAT 4855
(d,t) Levels
48-Cd-116
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
48-Cd-116

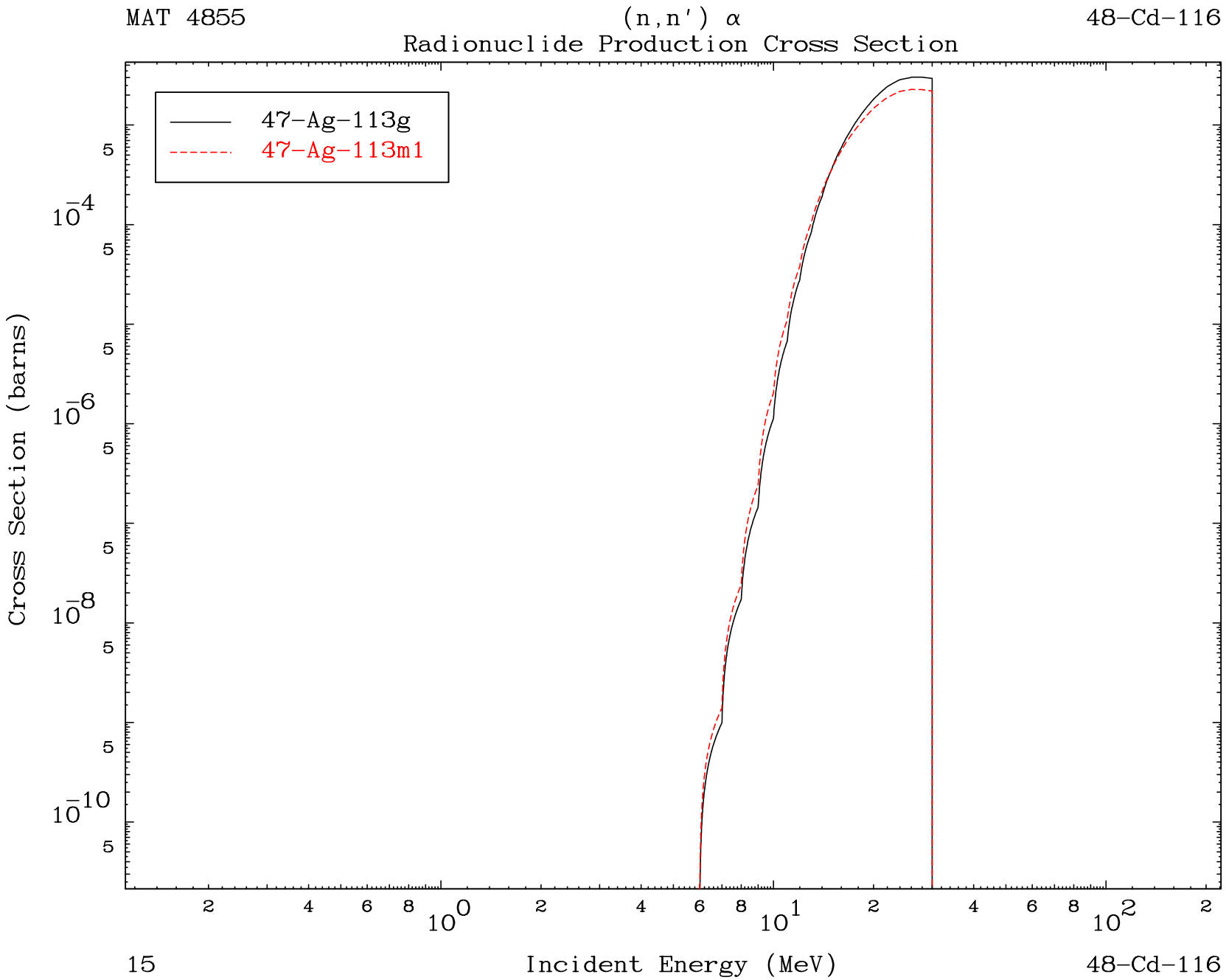

MAT 4855
(d,He3) Levels
48-Cd-116
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
10
Incident Energy (MeV)
48-Cd-116

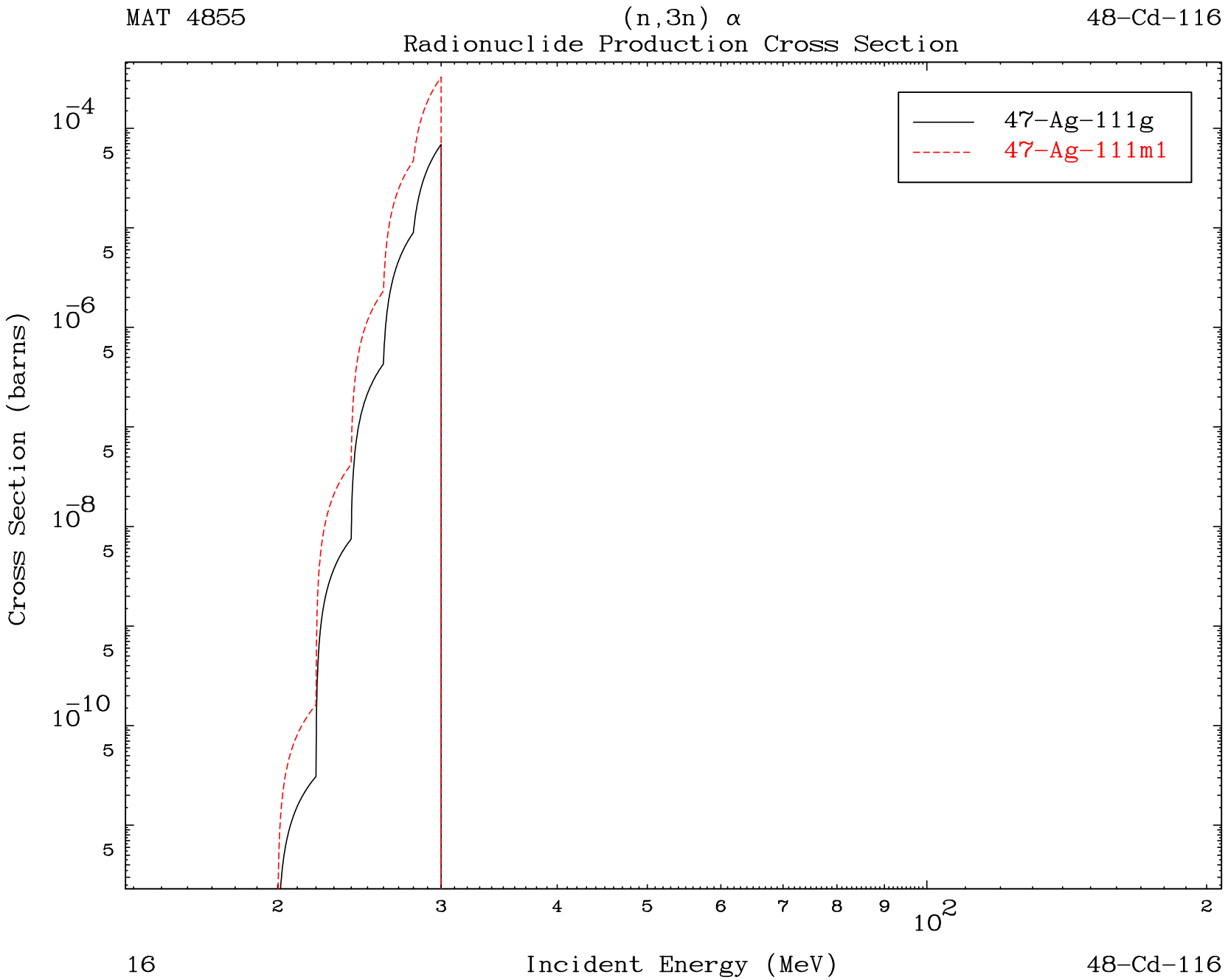

MAT 4855
(d,α) Levels
48-Cd-116
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
48-Cd-116

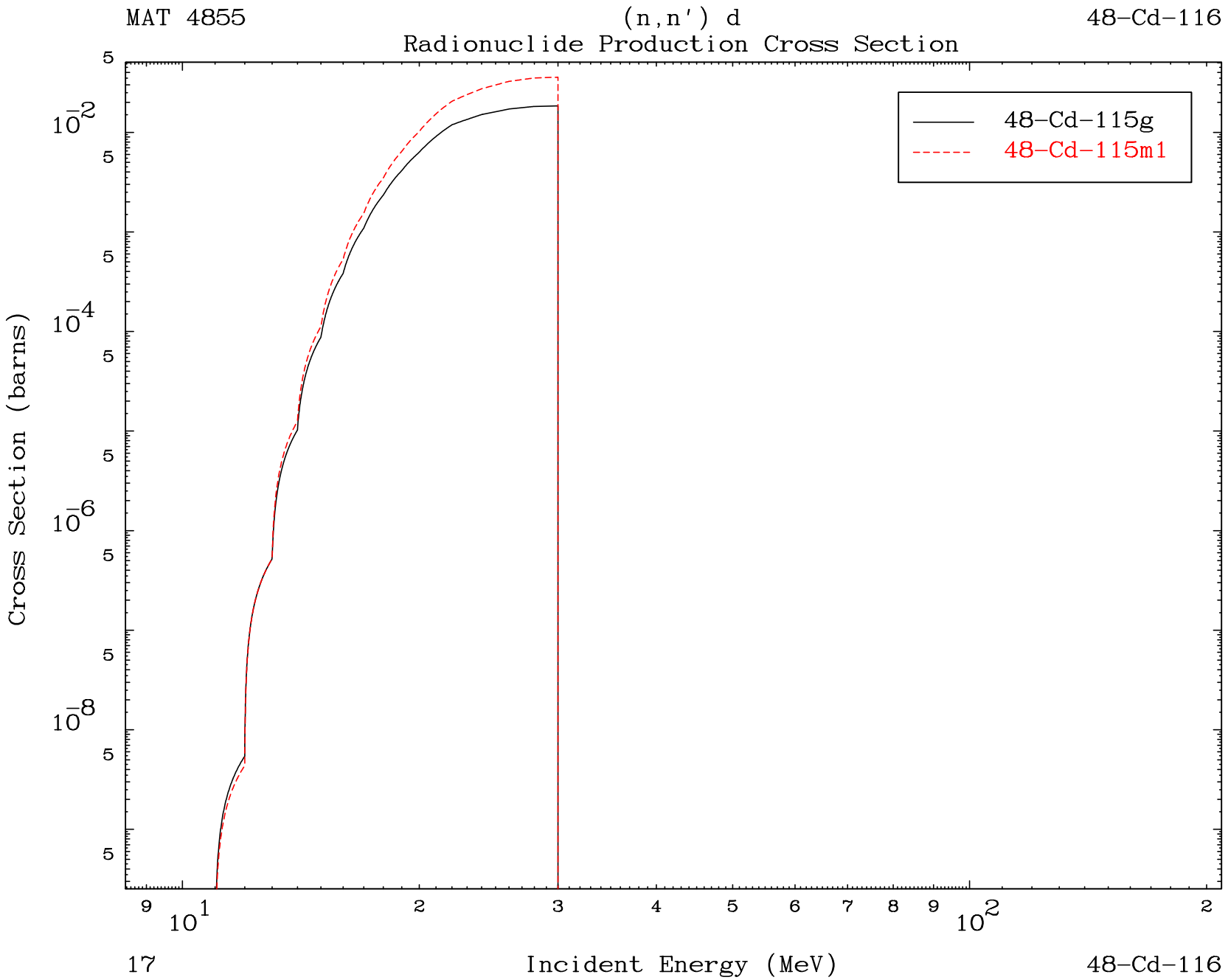

MAT 4855
Inelastic
48-Cd-116
Radionuclide Production Cross Section
49-In-117g
49-In-117m1
Cross Section (barns)
Incident Energy (MeV)
12
48-Cd-116

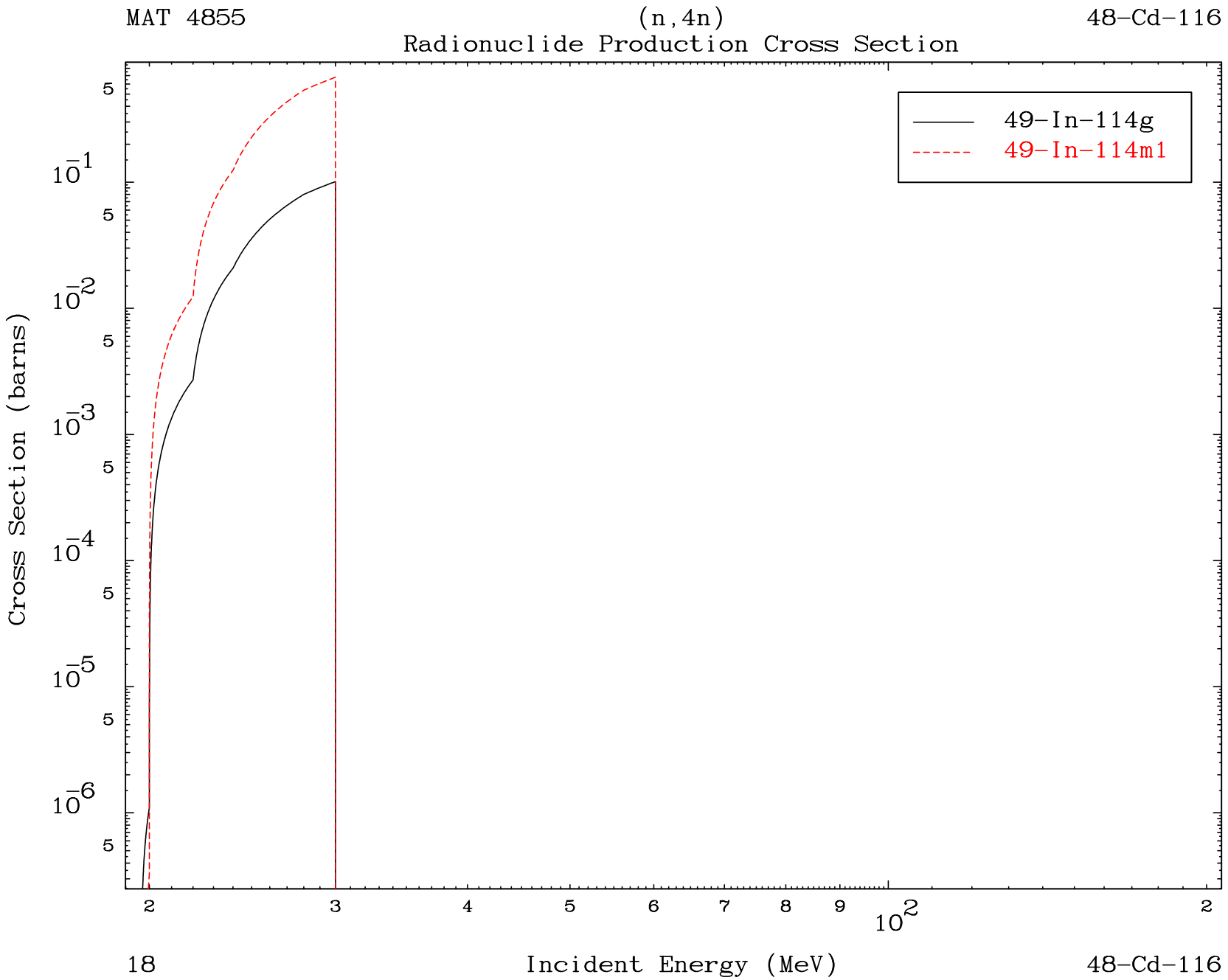

MAT 4855
(n,2n)
48-Cd-116
Radionuclide Production Cross Section
49-In-116g
49-In-116m1
49-In-116m4
Cross Section (barns)
Incident Energy (MeV)
13
48-Cd-116

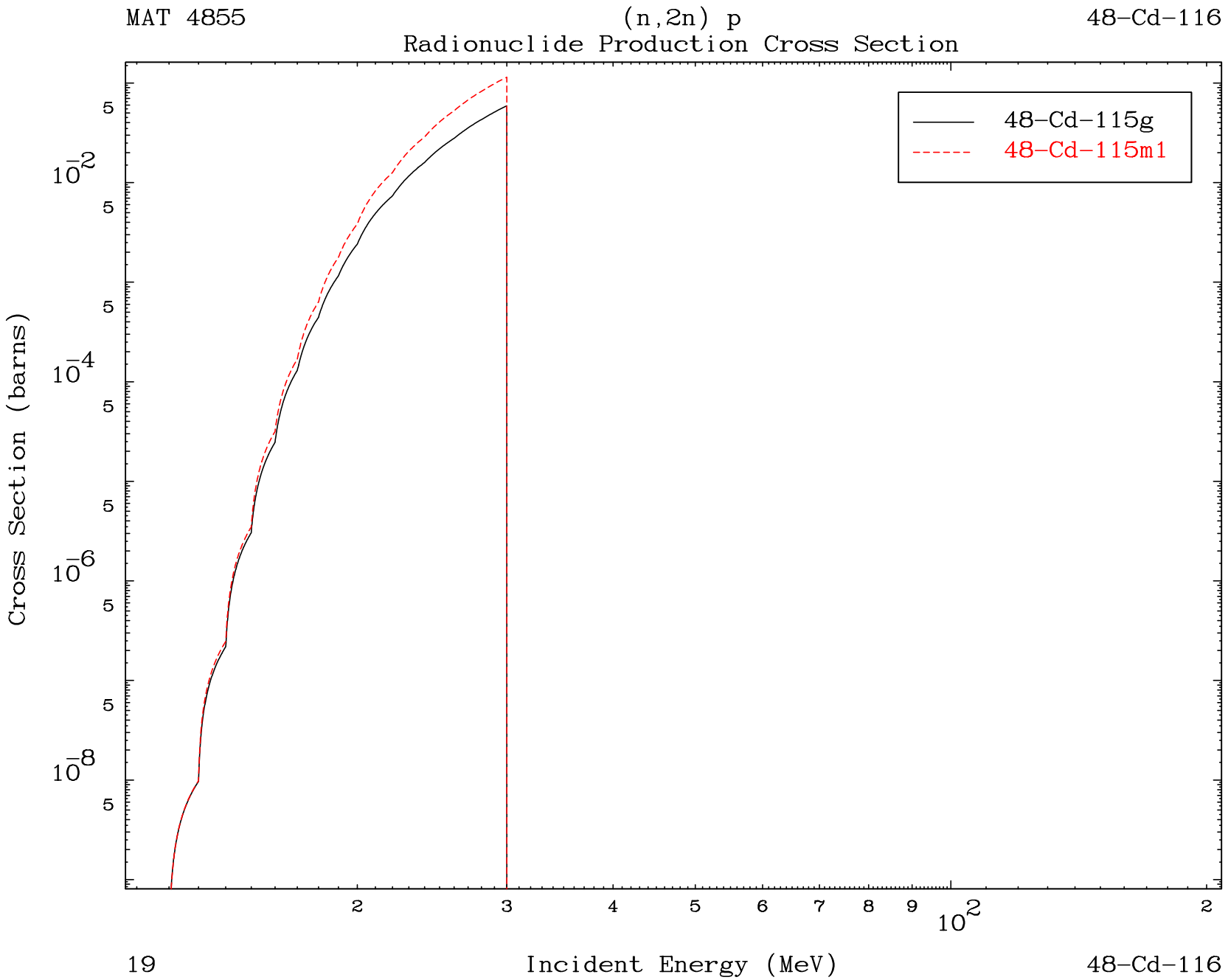

MAT 4855
(n,3n)
48-Cd-116
Radionuclide Production Cross Section
49-In-115g
49-In-115m1
Cross Section (barns)
Incident Energy (MeV)
14
48-Cd-116

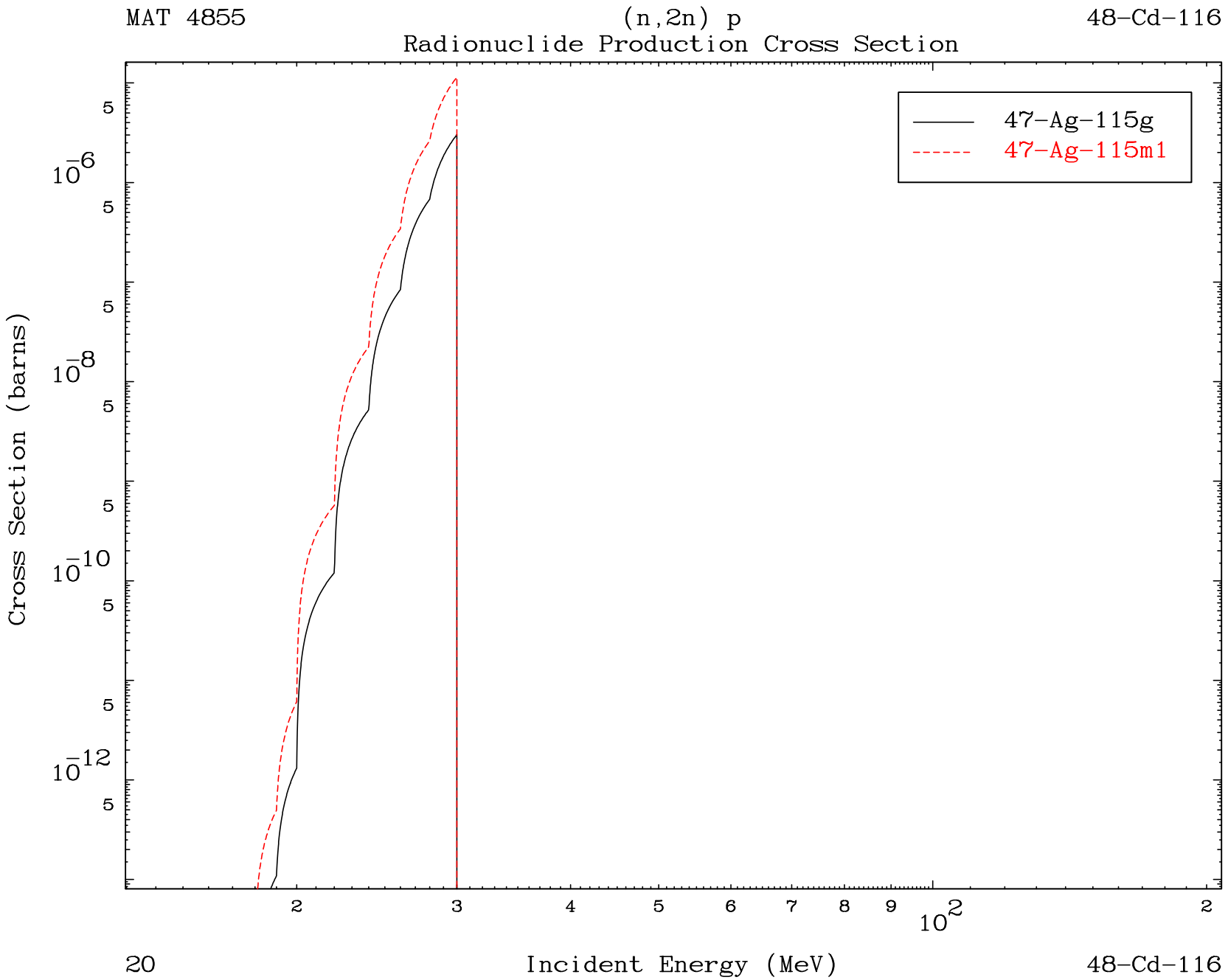

MAT 4855
(n,n') α
48-Cd-116
Radionuclide Production Cross Section
47-Ag-113g
47-Ag-113m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
15
48-Cd-116

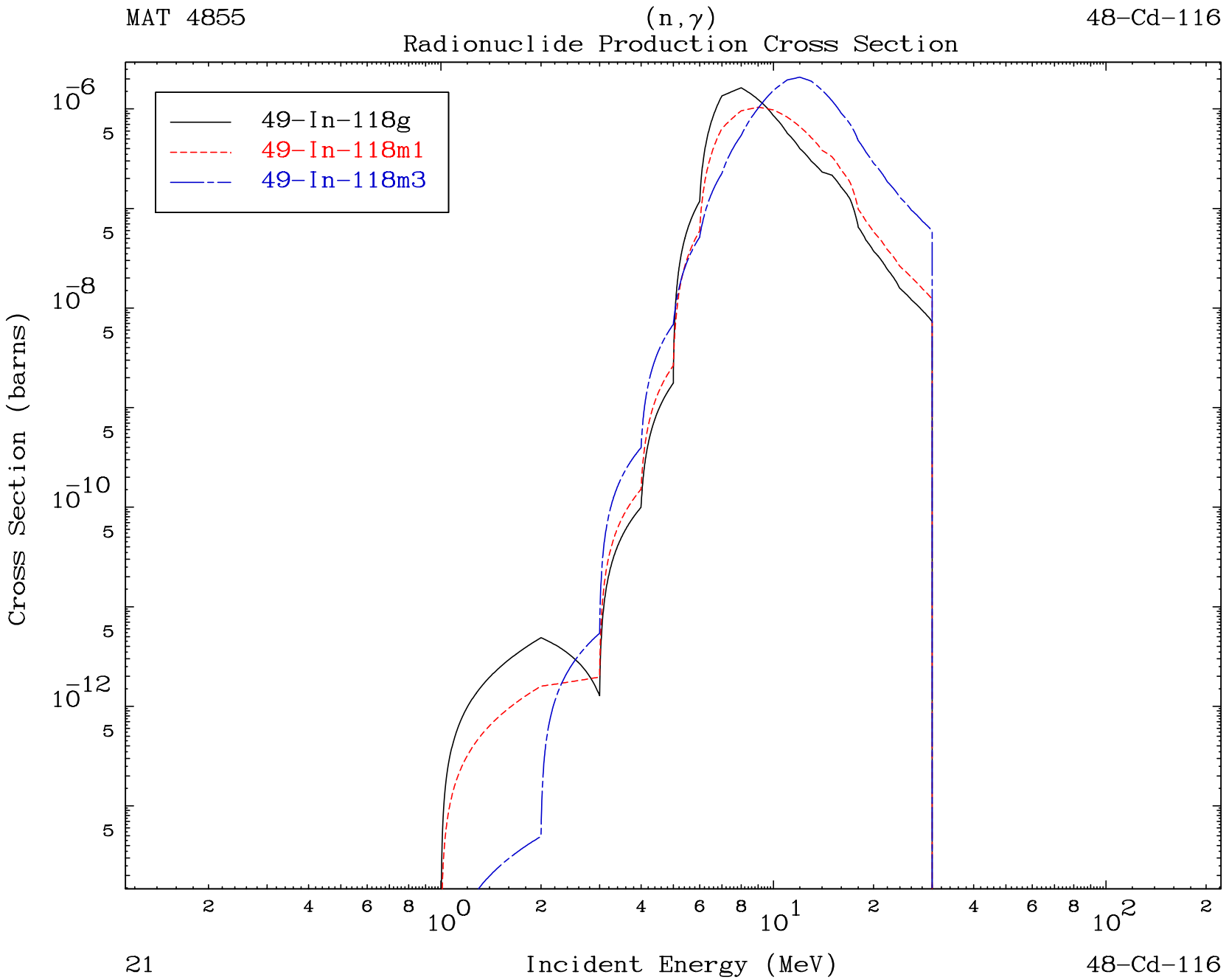

MAT 4855
(n,3n) α
48-Cd-116
Radionuclide Production Cross Section
47-Ag-111g
47-Ag-111m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
48-Cd-116

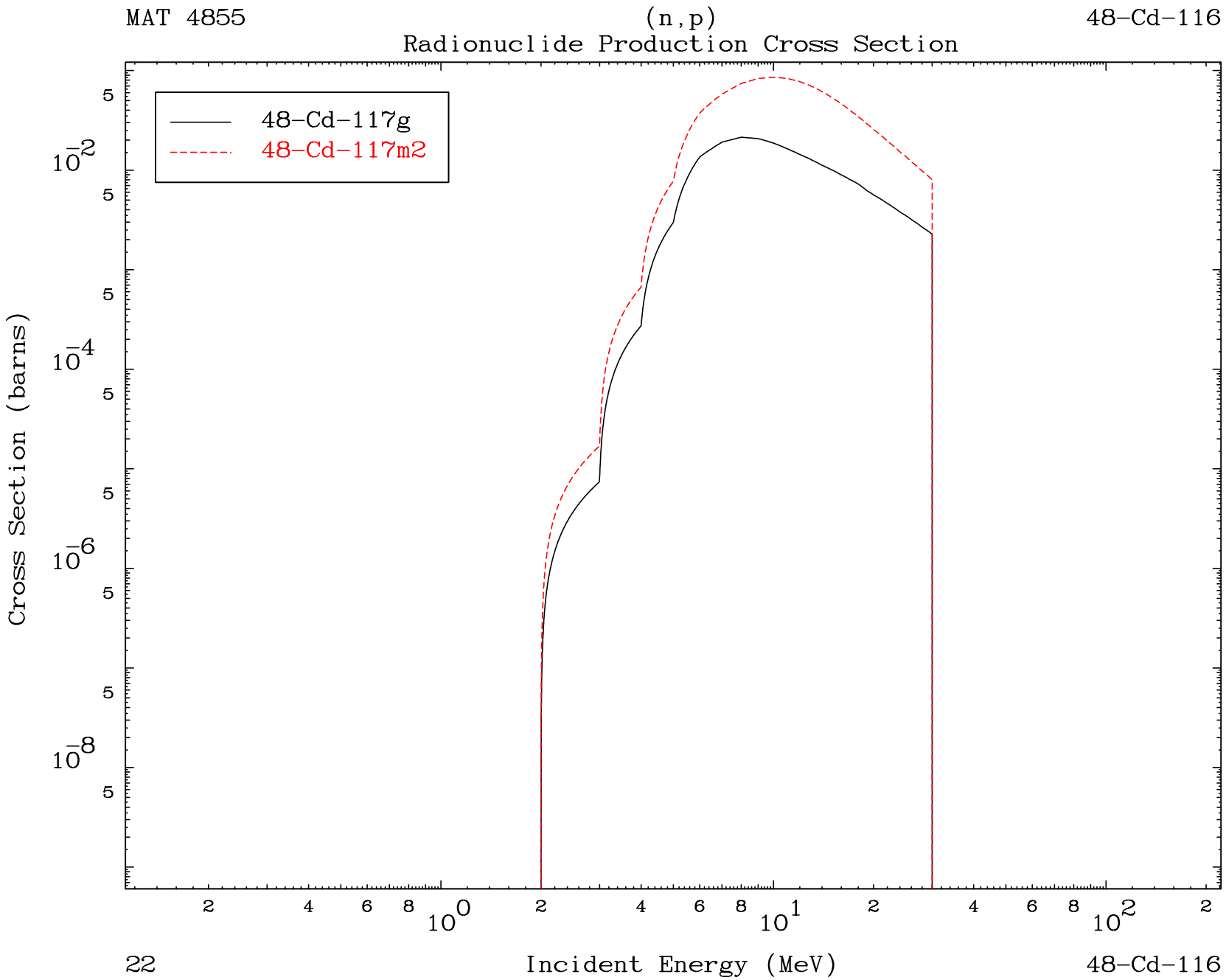

MAT 4855
(n,n') d
48-Cd-116
Radionuclide Production Cross Section
48-Cd-115g
48-Cd-115m1
Cross Section (barns)
Incident Energy (MeV)
17
48-Cd-116

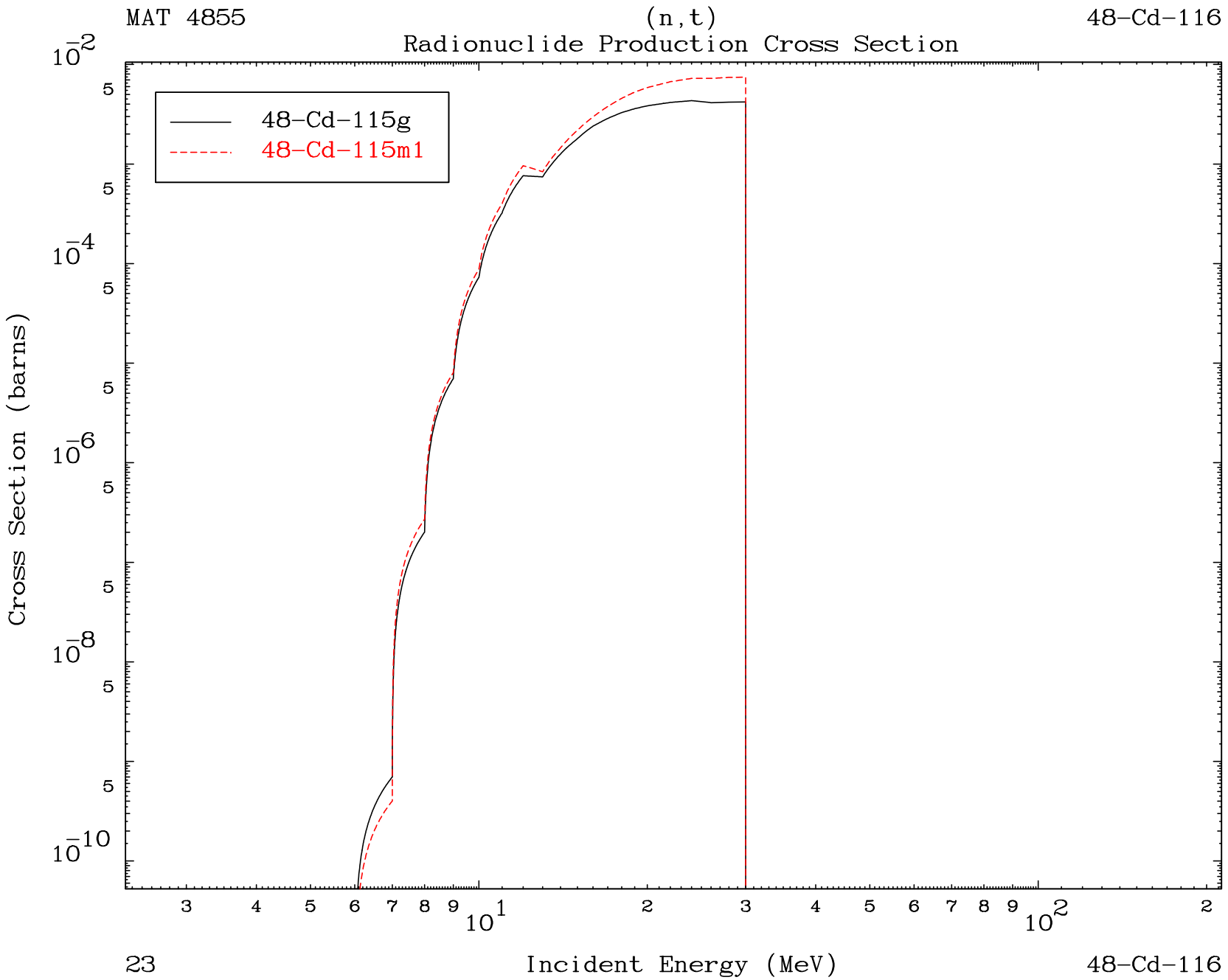

MAT 4855
(n,4n)
48-Cd-116
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
Cross Section (barns)
Incident Energy (MeV)
18
48-Cd-116

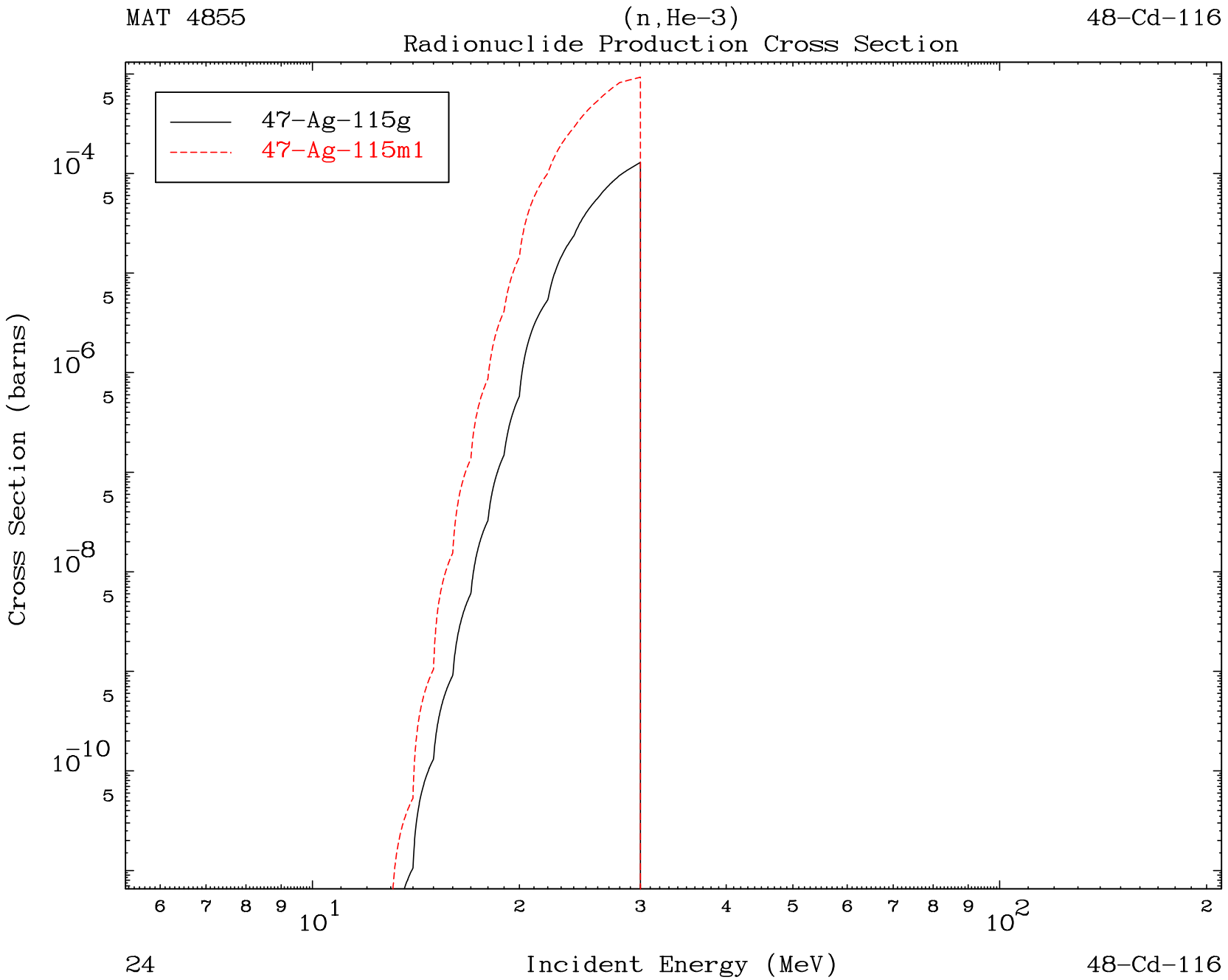

MAT 4855
(n,2n) p
48-Cd-116
Radionuclide Production Cross Section
48-Cd-115g
48-Cd-115m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10+2
2
19
Incident Energy (MeV)
48-Cd-116

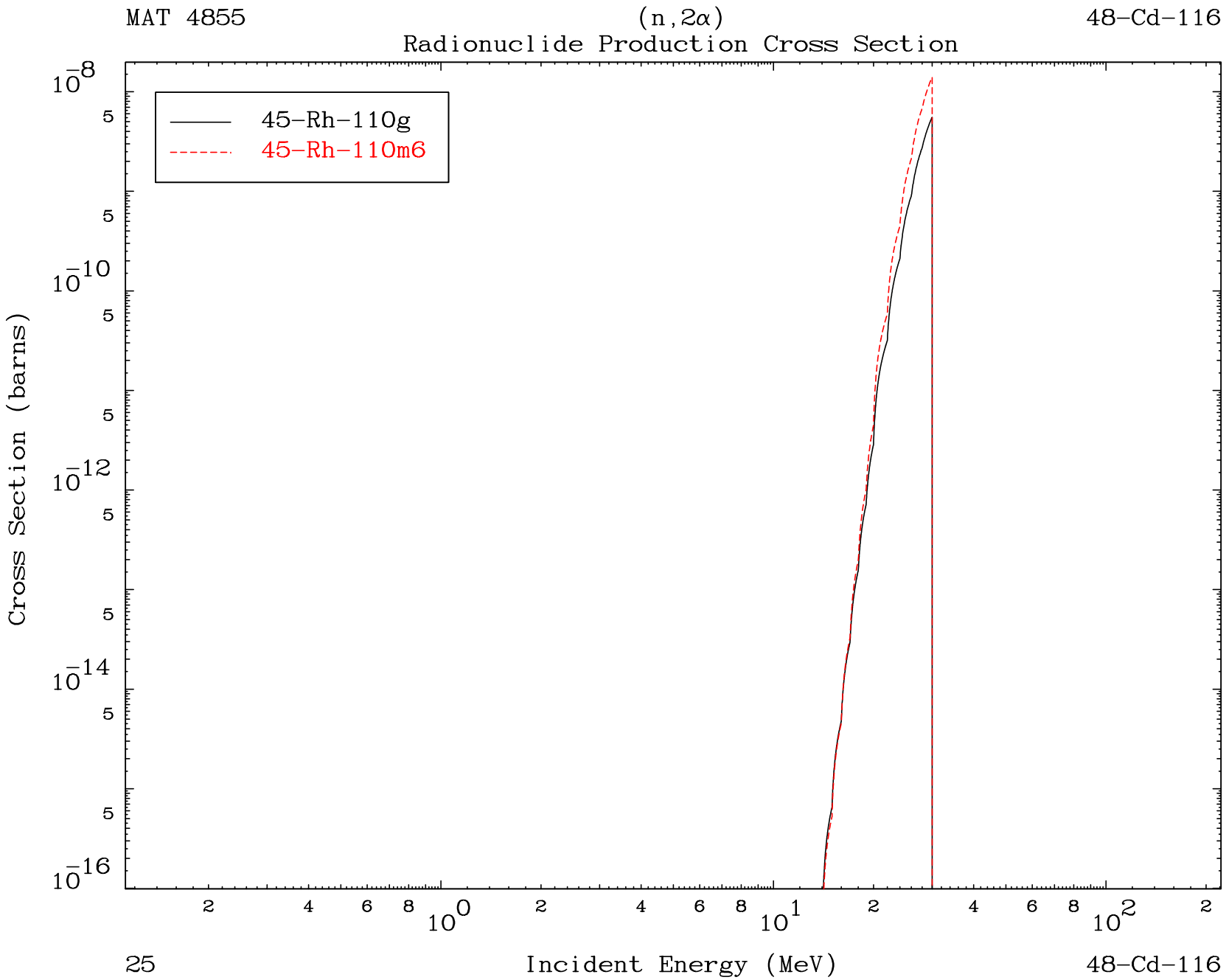

MAT 4855
(n,2n) p
48-Cd-116
Radionuclide Production Cross Section
47-Ag-115g
47-Ag-115m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
20
Incident Energy (MeV)
48-Cd-116

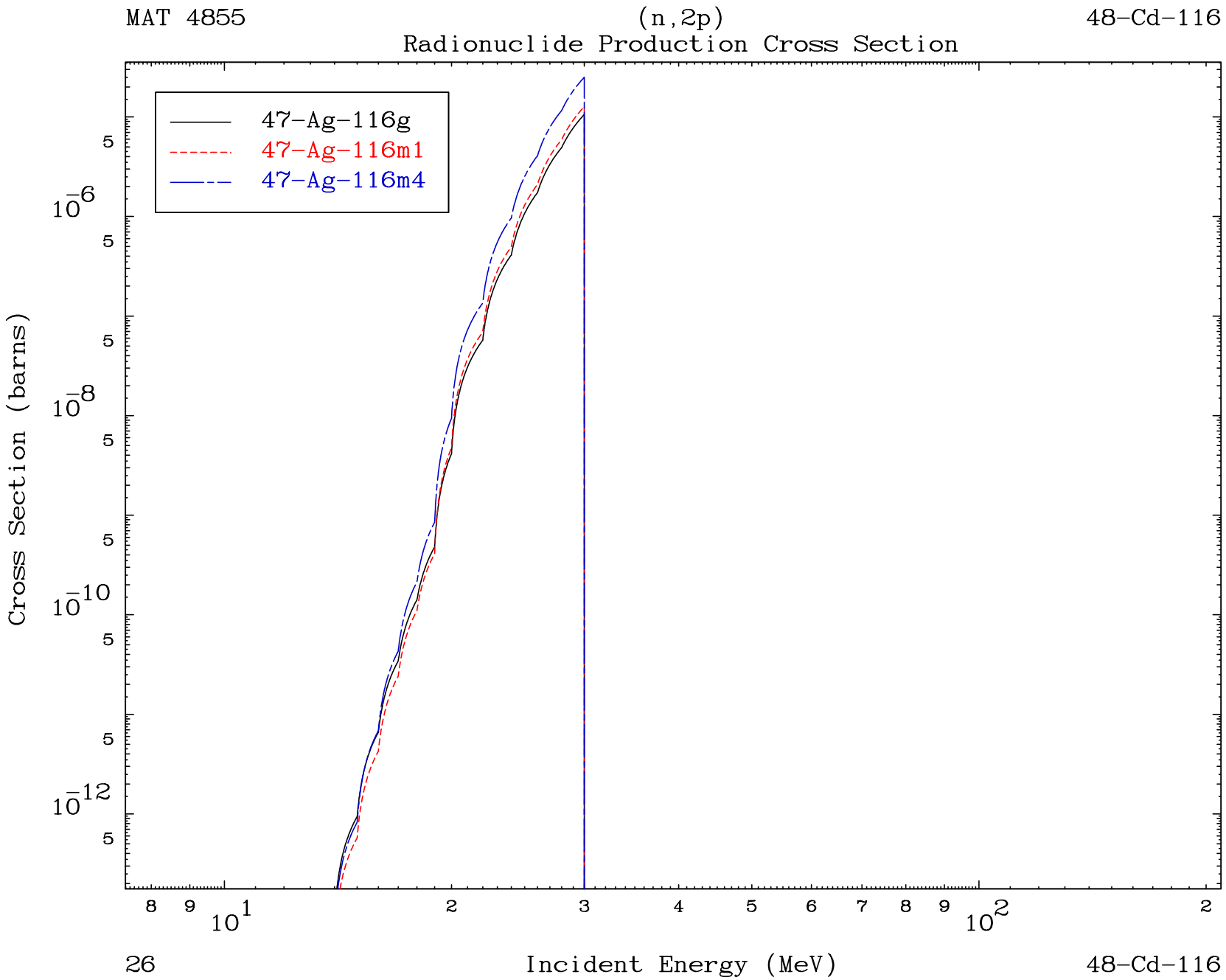

MAT 4855
(n,γ)
48-Cd-116
Radionuclide Production Cross Section
49-In-118g
49-In-118m1
49-In-118m3
Cross Section (barns)
Incident Energy (MeV)
21
48-Cd-116

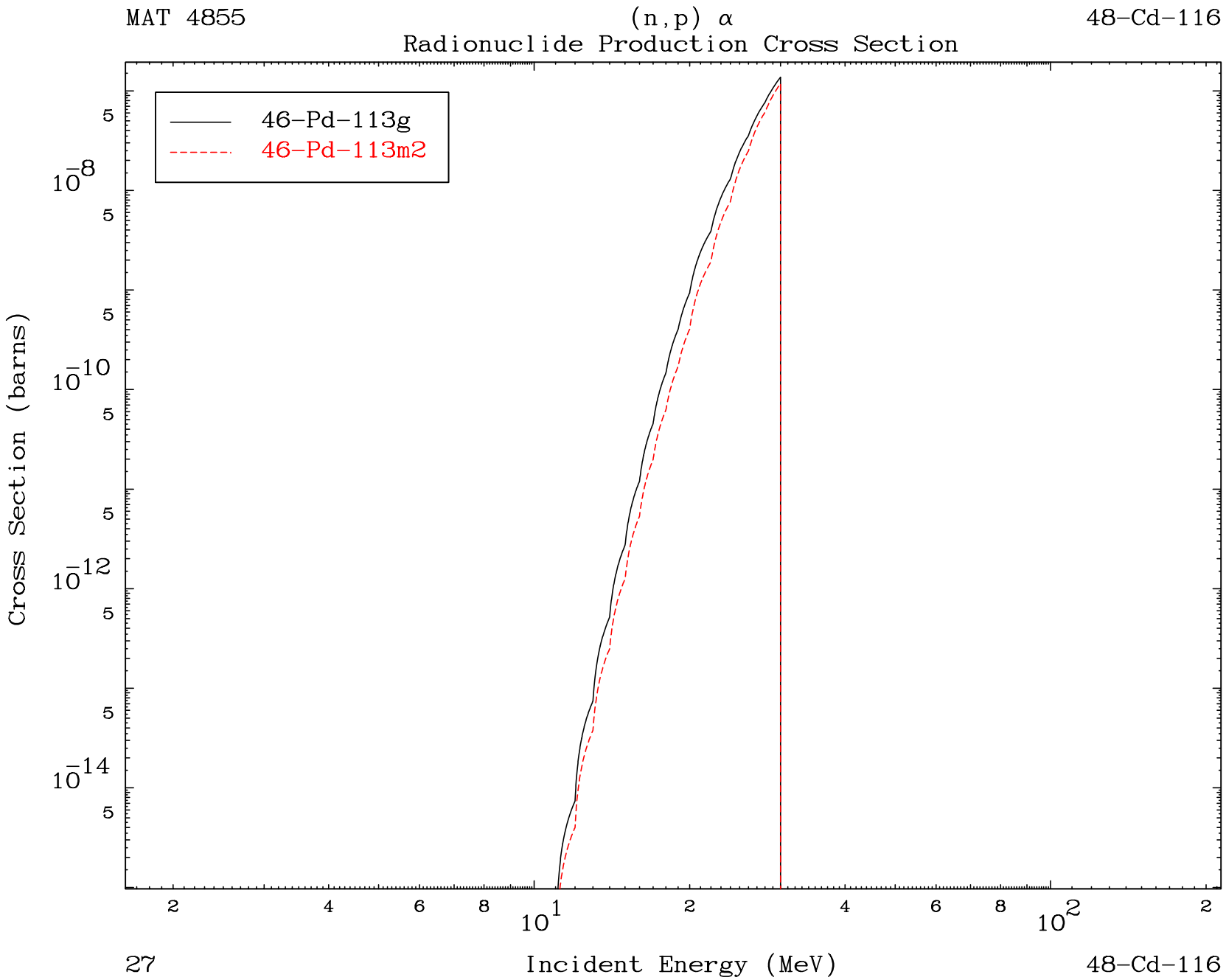

MAT 4855
(n,p)
48-Cd-116
Radionuclide Production Cross Section
48-Cd-117g
48-Cd-117m2
Cross Section (barns)
Incident Energy (MeV)
22
48-Cd-116

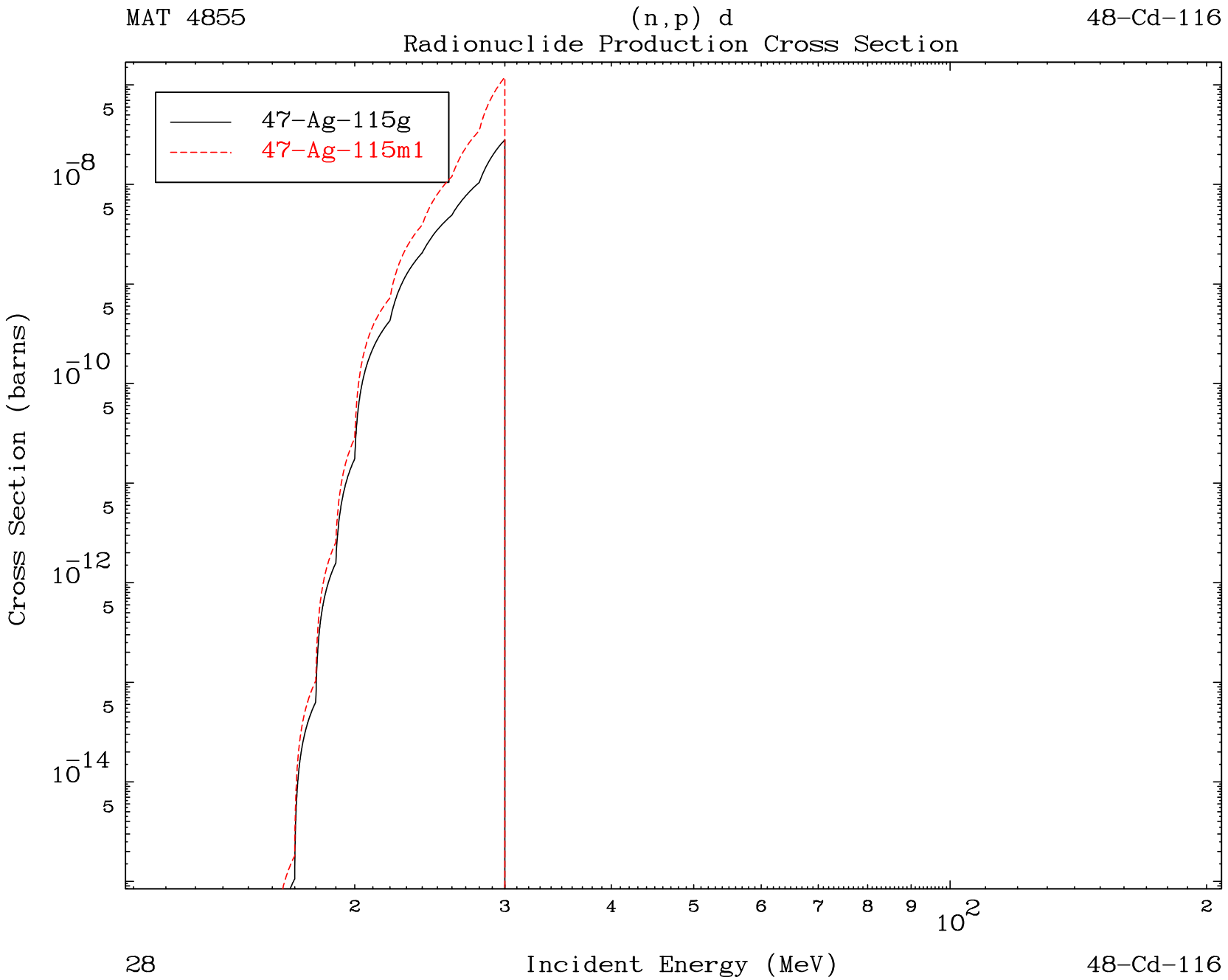

MAT 4855
(n,t)
48-Cd-116
Radionuclide Production Cross Section
48-Cd-115g
48-Cd-115m1
Cross Section (barns)
Incident Energy (MeV)
23
48-Cd-116


MAT 4855
(n,He-3)
48-Cd-116
Radionuclide Production Cross Section
47-Ag-115g
47-Ag-115m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
24
48-Cd-116


MAT 4855
(n,2α)
48-Cd-116
Radionuclide Production Cross Section
45-Rh-110g
45-Rh-110m6
Cross Section (barns)
Incident Energy (MeV)
25
48-Cd-116


MAT 4855
(n,2p)
48-Cd-116
Radionuclide Production Cross Section
47-Ag-116g
47-Ag-116m1
47-Ag-116m4
Cross Section (barns)
Incident Energy (MeV)
26
48-Cd-116


MAT 4855
(n,p) α
48-Cd-116
Radionuclide Production Cross Section
46-Pd-113g
46-Pd-113m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
4
6
8
10^1
10^2
27
Incident Energy (MeV)
48-Cd-116


MAT 4855
(n,p) d
48-Cd-116
Radionuclide Production Cross Section
47-Ag-115g
47-Ag-115m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
28
Incident Energy (MeV)
48-Cd-116