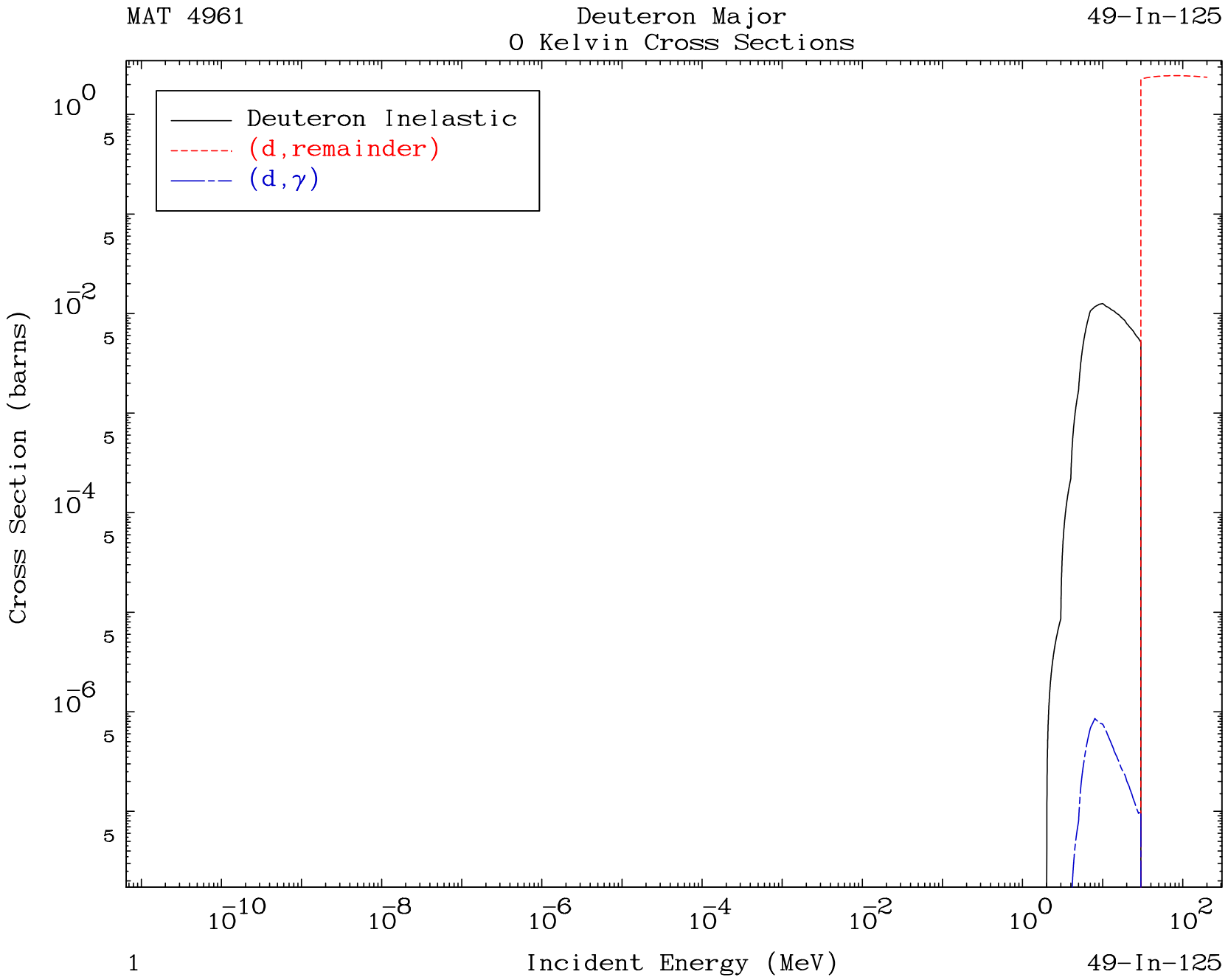
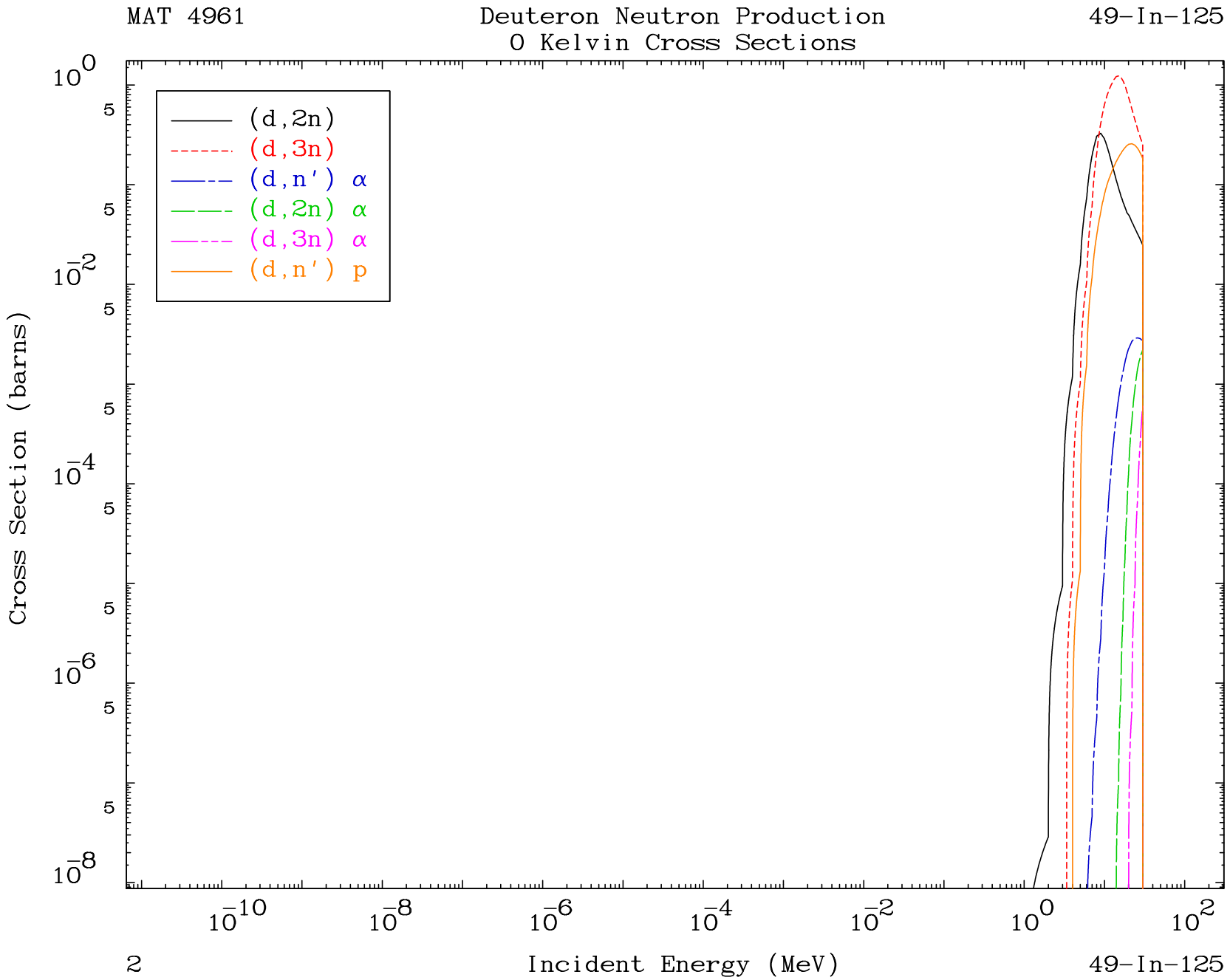
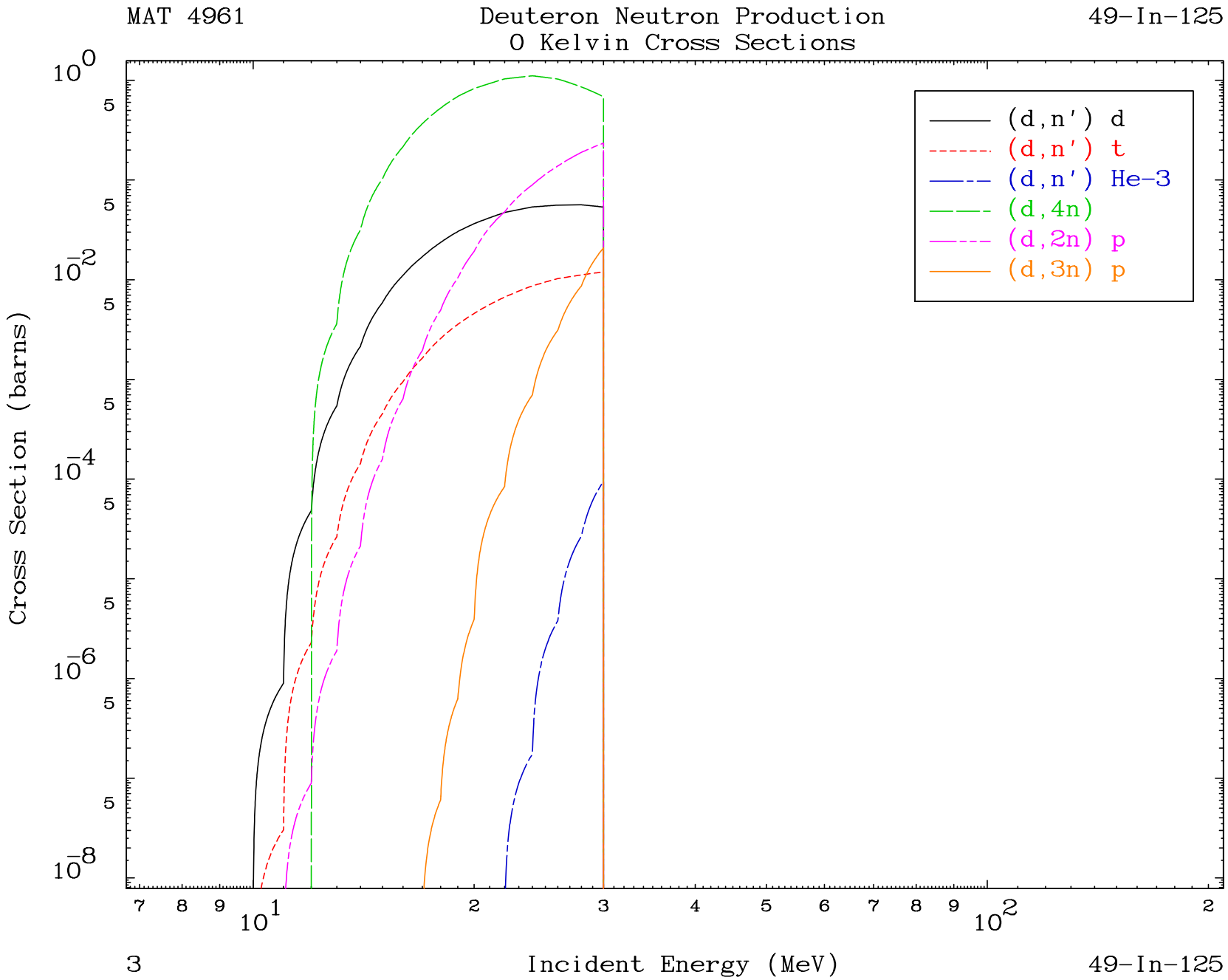
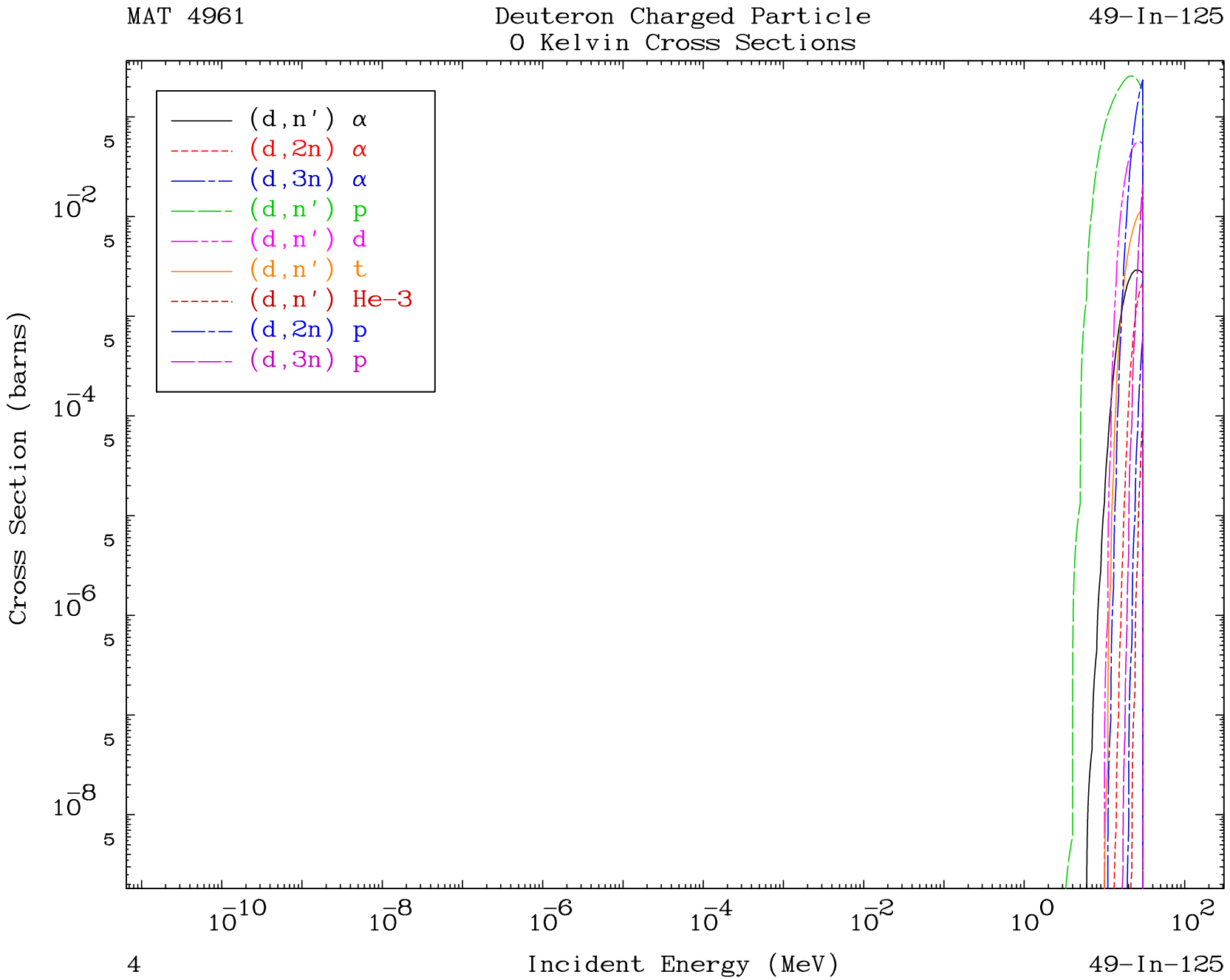
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

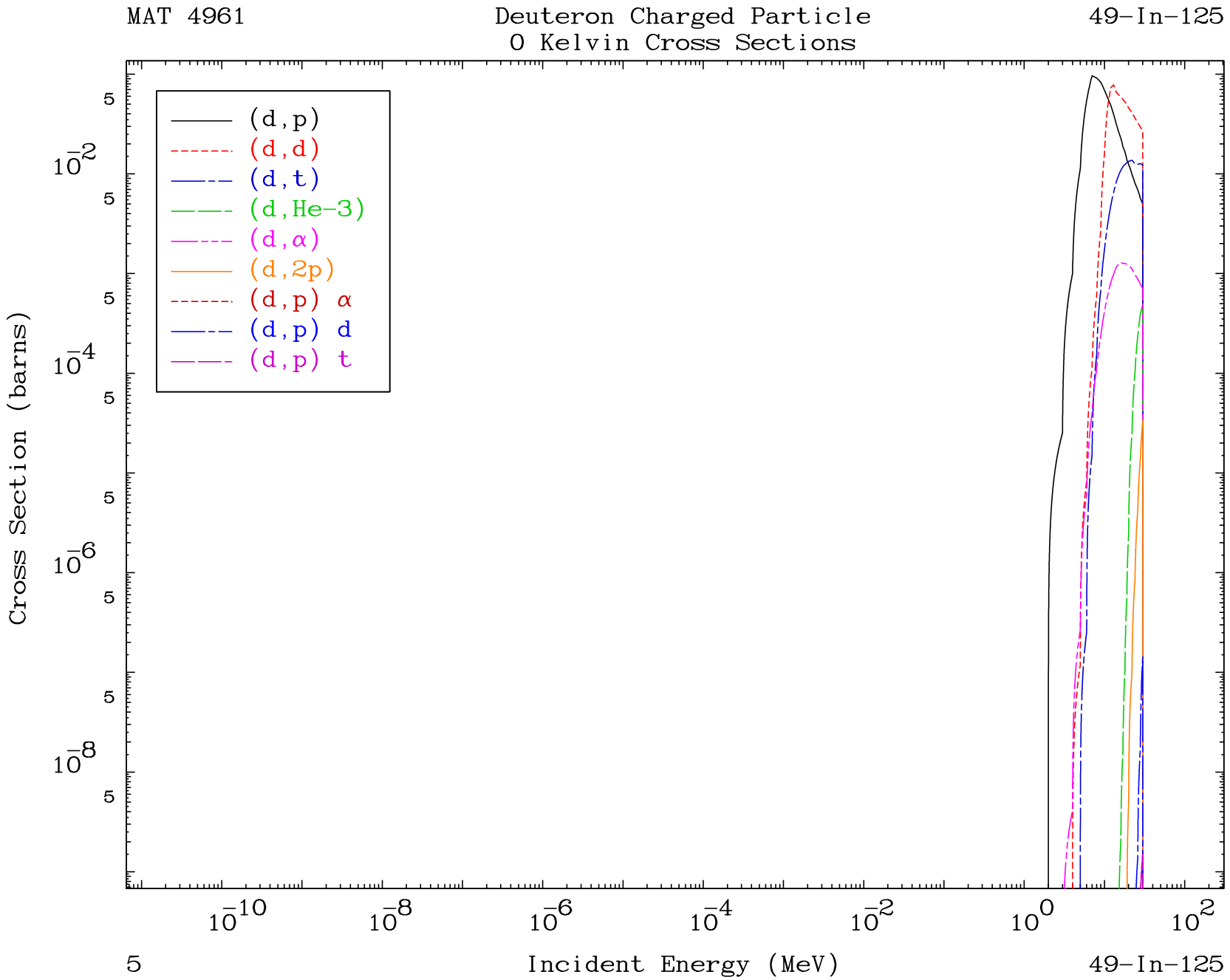
Press Mouse Button to Start

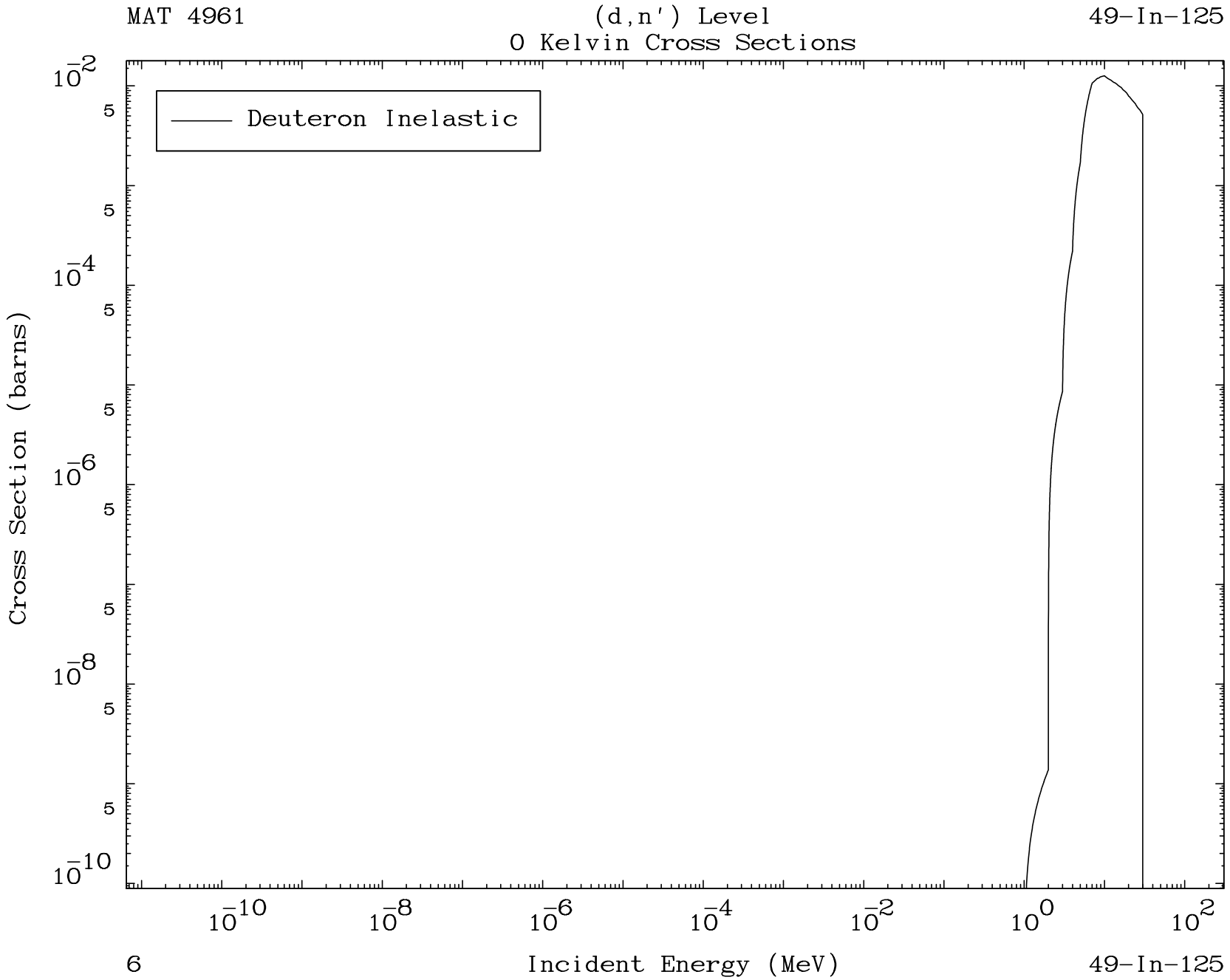

MAT 4961
Deuteron Major
49-In-125
0 Kelvin Cross Sections
Deuteron Inelastic
(d,remainder)
(d,γ)
Cross Section (barns)
Incident Energy (MeV)
1
49-In-125

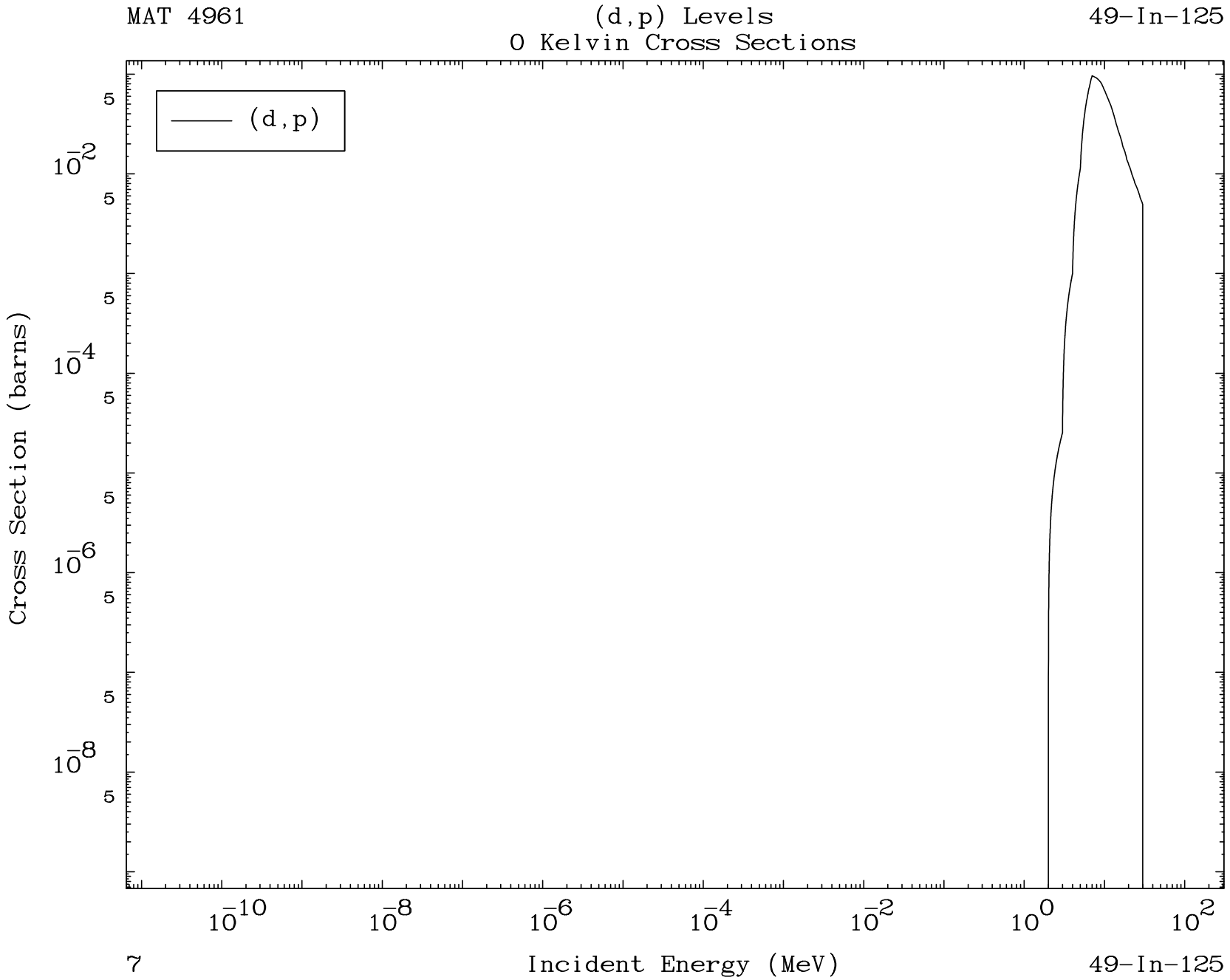

MAT 4961
Deuteron Neutron Production
0 Kelvin Cross Sections
49-In-125
(d,2n)
(d,3n)
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
Cross Section (barns)
Incident Energy (MeV)
2
49-In-125

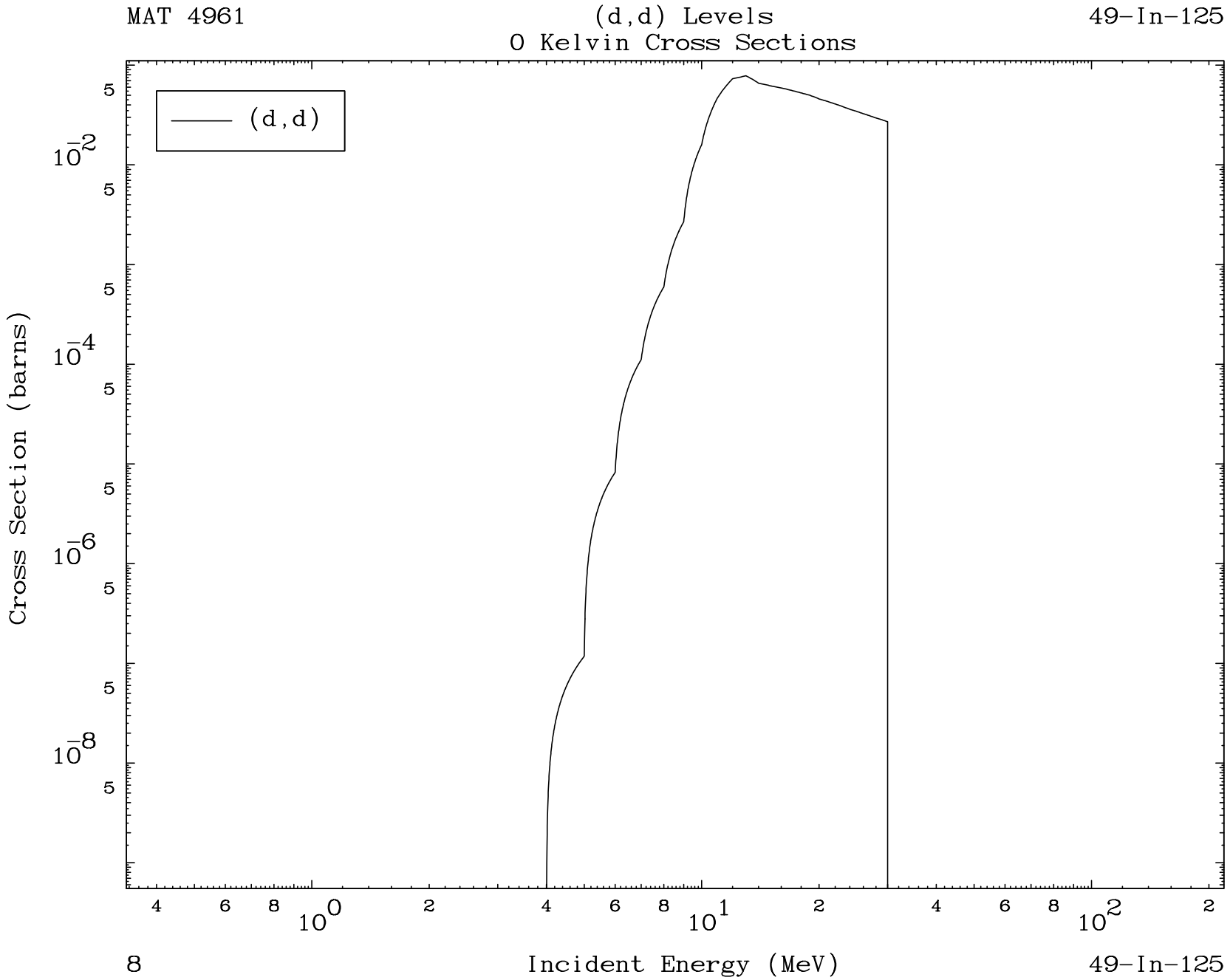

MAT 4961
Deuteron Neutron Production
0 Kelvin Cross Sections
49-In-125
(d,n') d
(d,n') t
(d,n') He-3
(d,4n)
(d,2n) p
(d,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
49-In-125

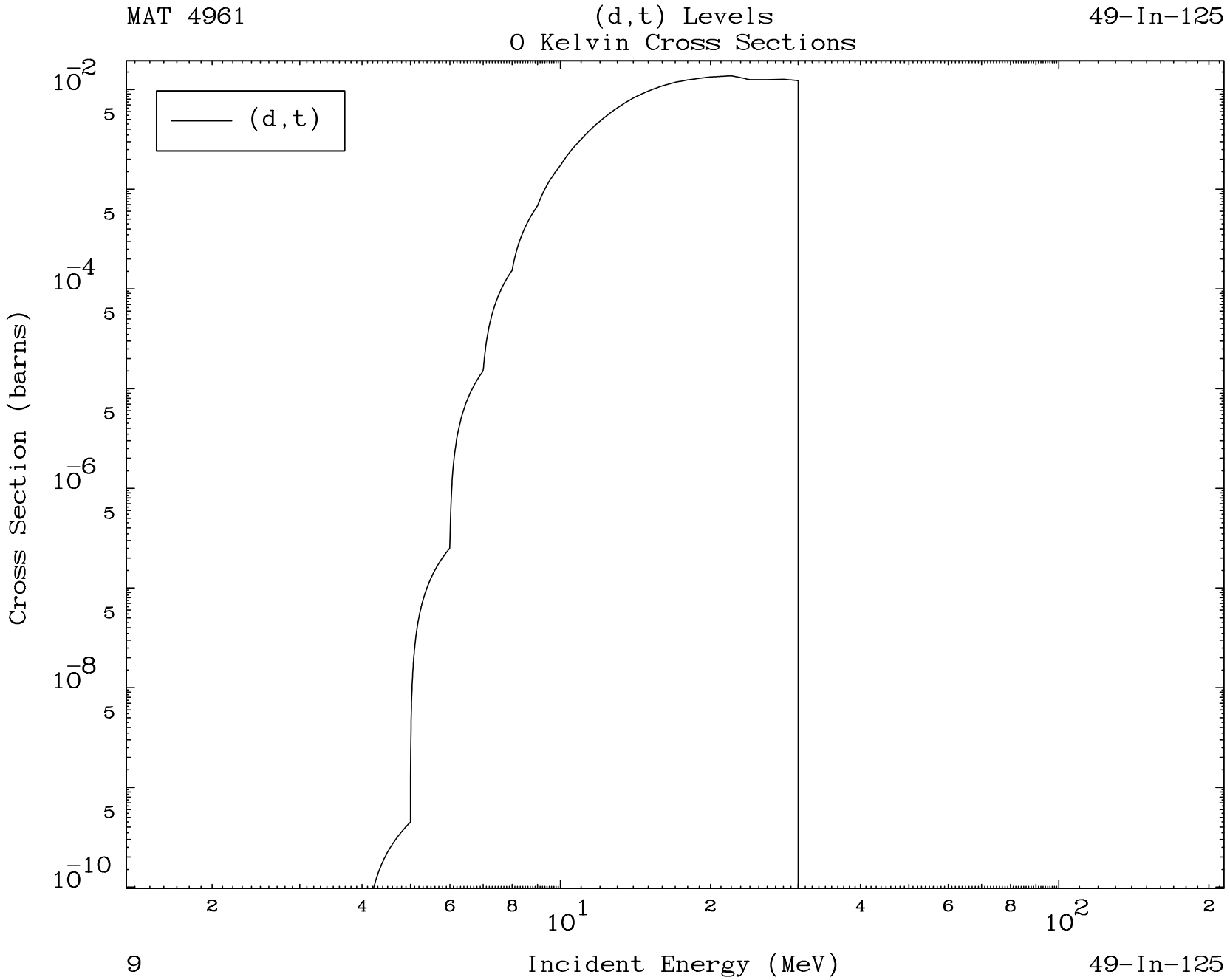

MAT 4961
Deuteron Charged Particle
0 Kelvin Cross Sections
49-In-125
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') d
(d,n') t
(d,n') He-3
(d,2n) p
(d,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
49-In-125

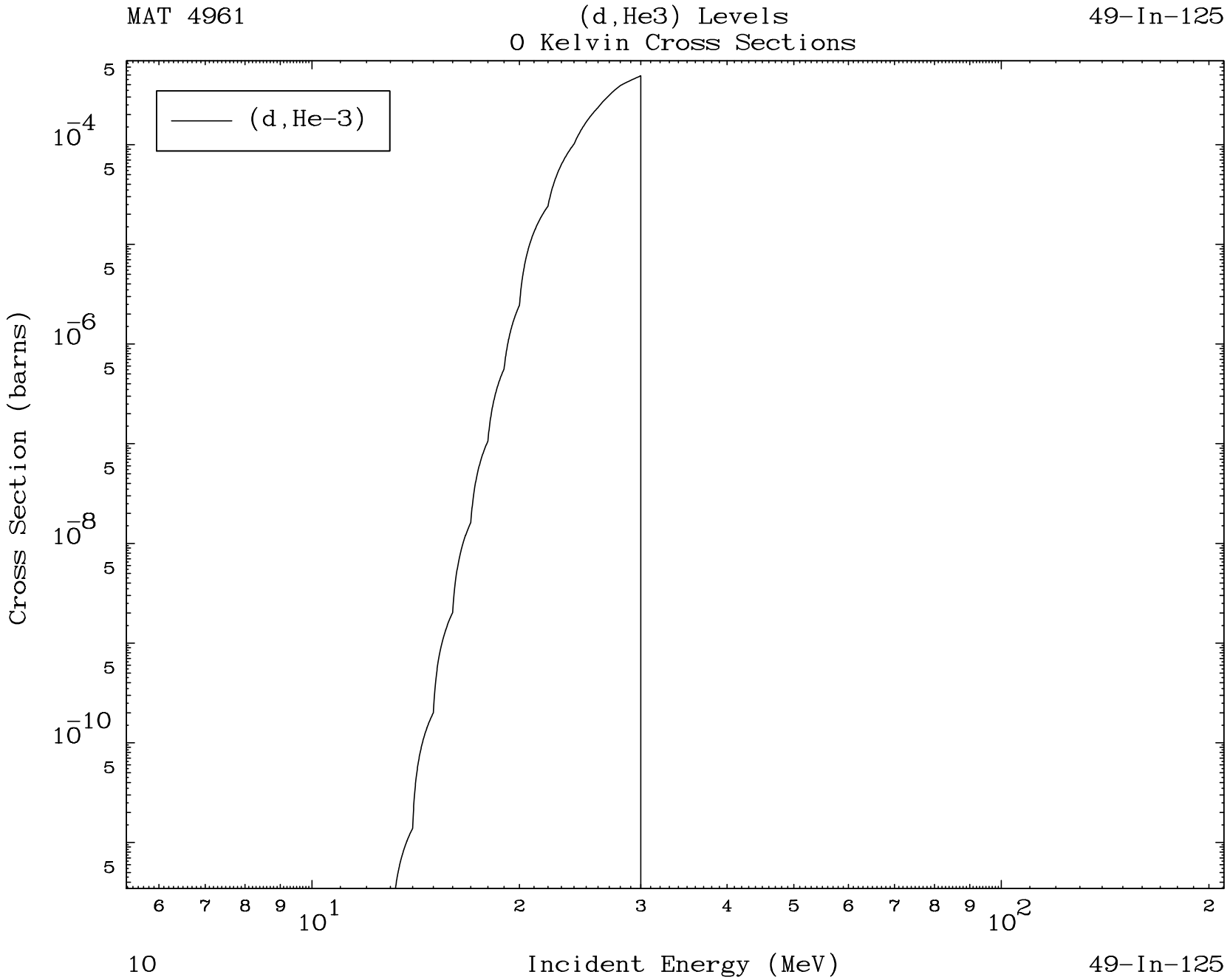

MAT 4961
Deuteron Charged Particle
0 Kelvin Cross Sections
49-In-125
(d,p)
(d,d)
(d,t)
(d,He-3)
(d,α)
(d,2p)
(d,p) α
(d,p) d
(d,p) t
Cross Section (barns)
Incident Energy (MeV)
49-In-125

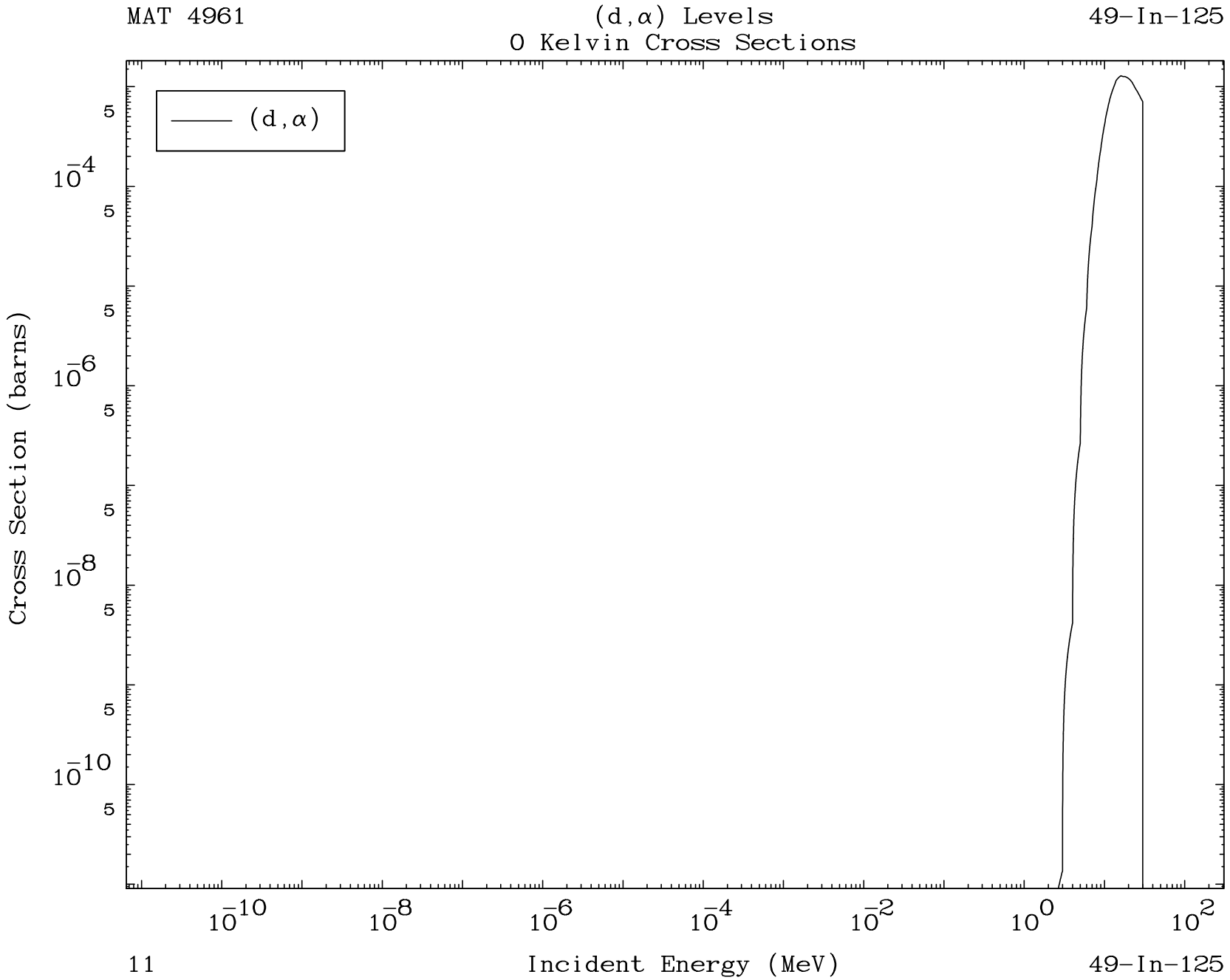

MAT 4961
(d,n') Level
49-In-125
0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
49-In-125

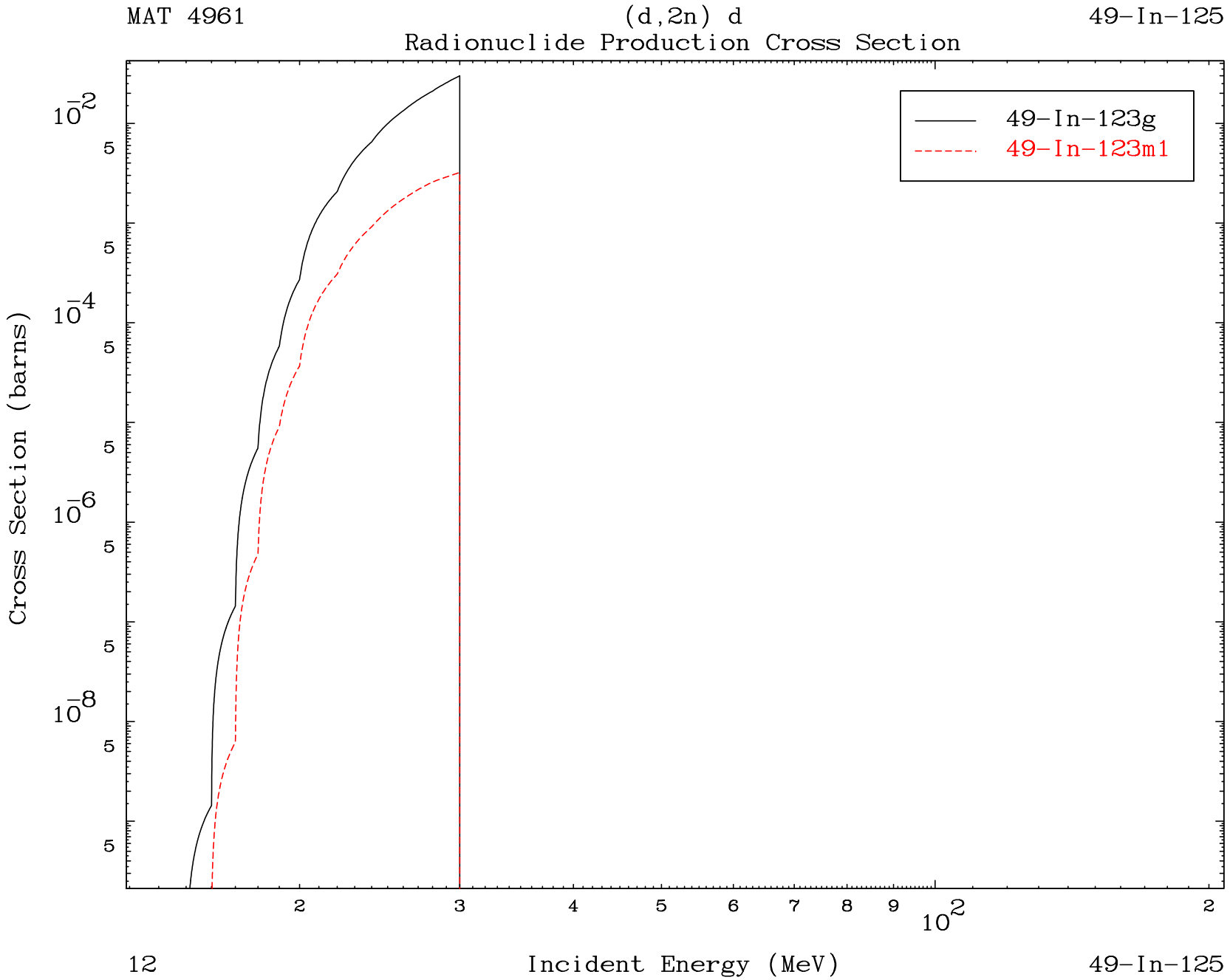

MAT 4961
(d,p) Levels
49-In-125
0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
Incident Energy (MeV)
7
49-In-125

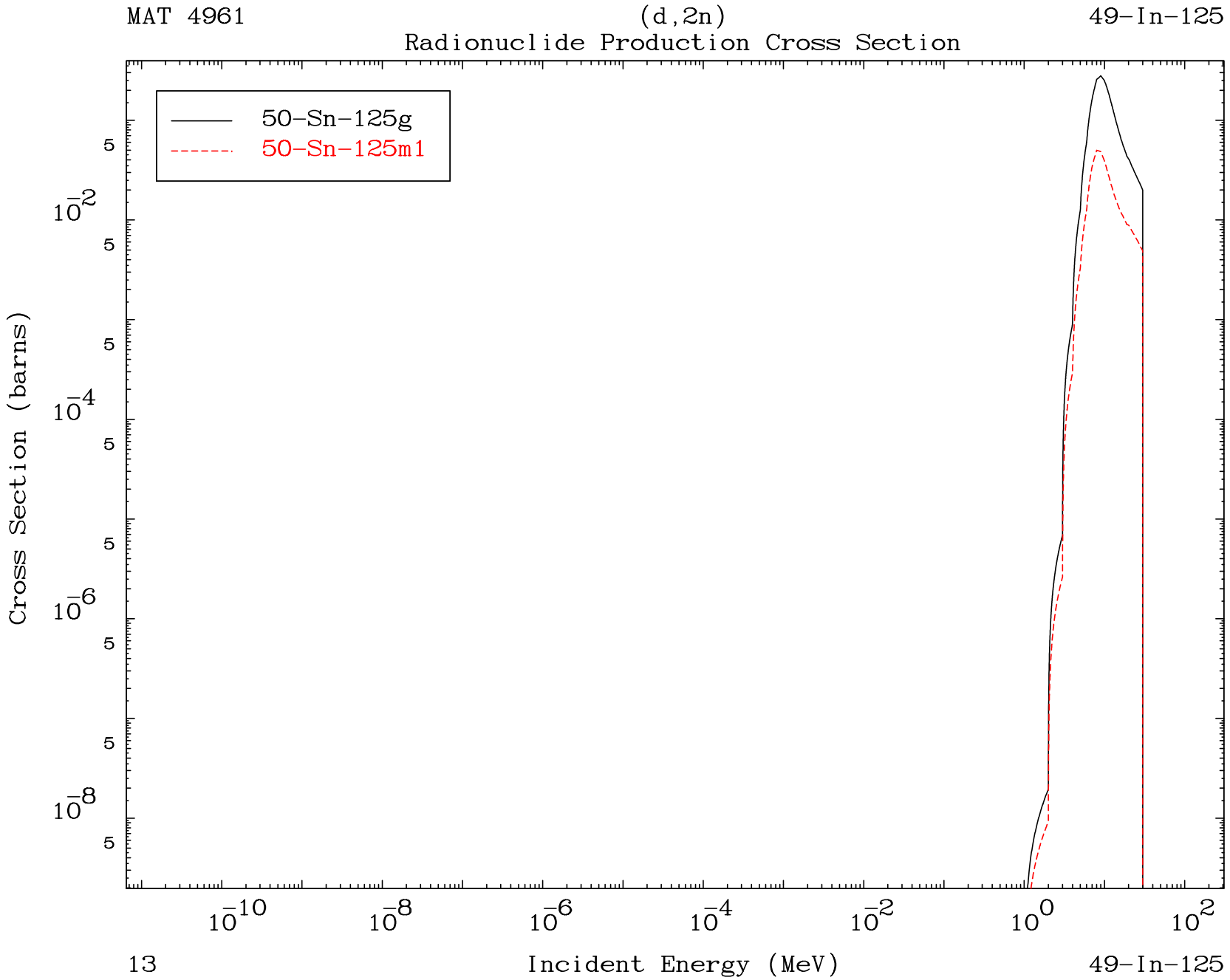

MAT 4961
(d,d) Levels
49-In-125
0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
Incident Energy (MeV)
49-In-125

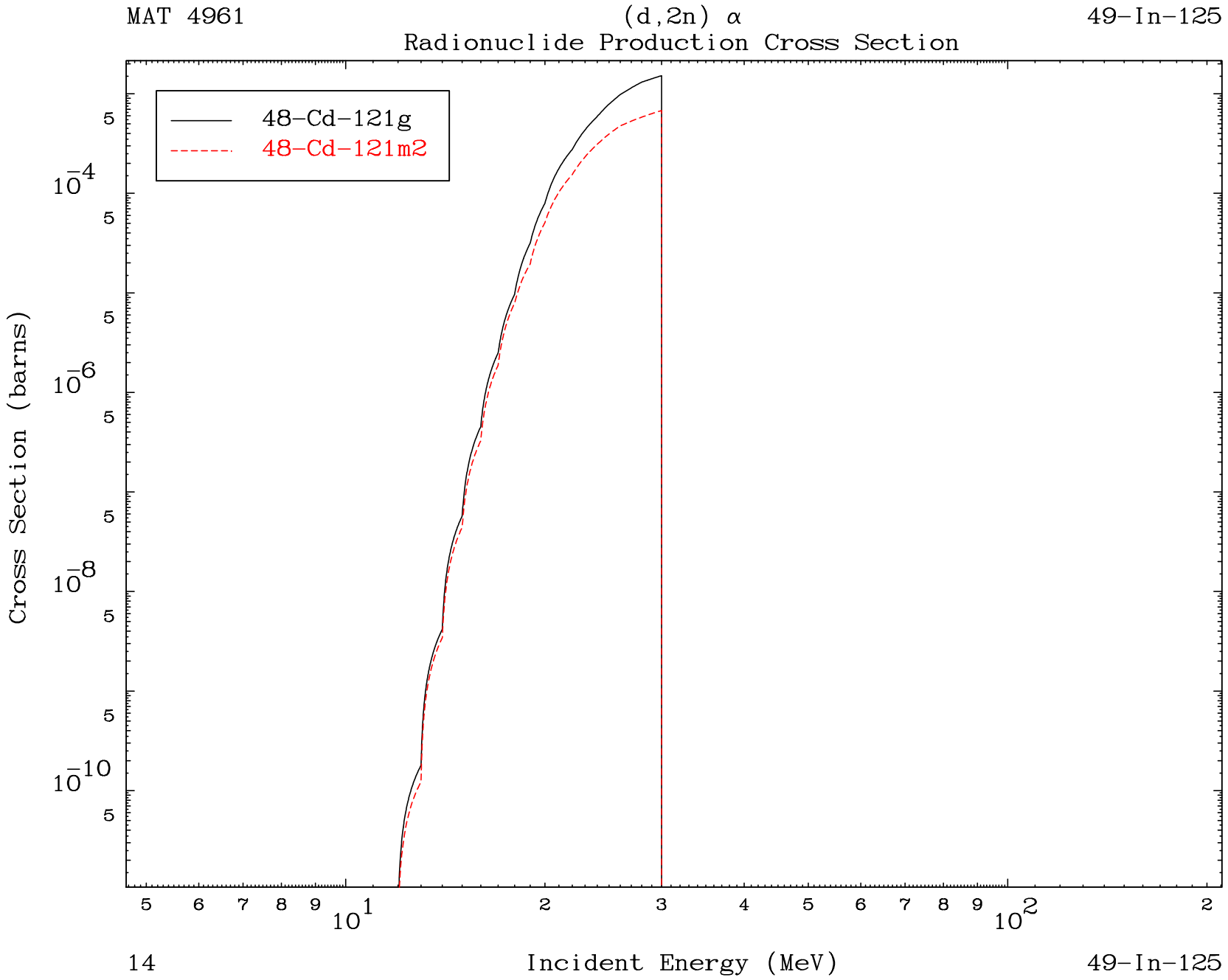

MAT 4961
(d,t) Levels
49-In-125
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
Incident Energy (MeV)
9
49-In-125

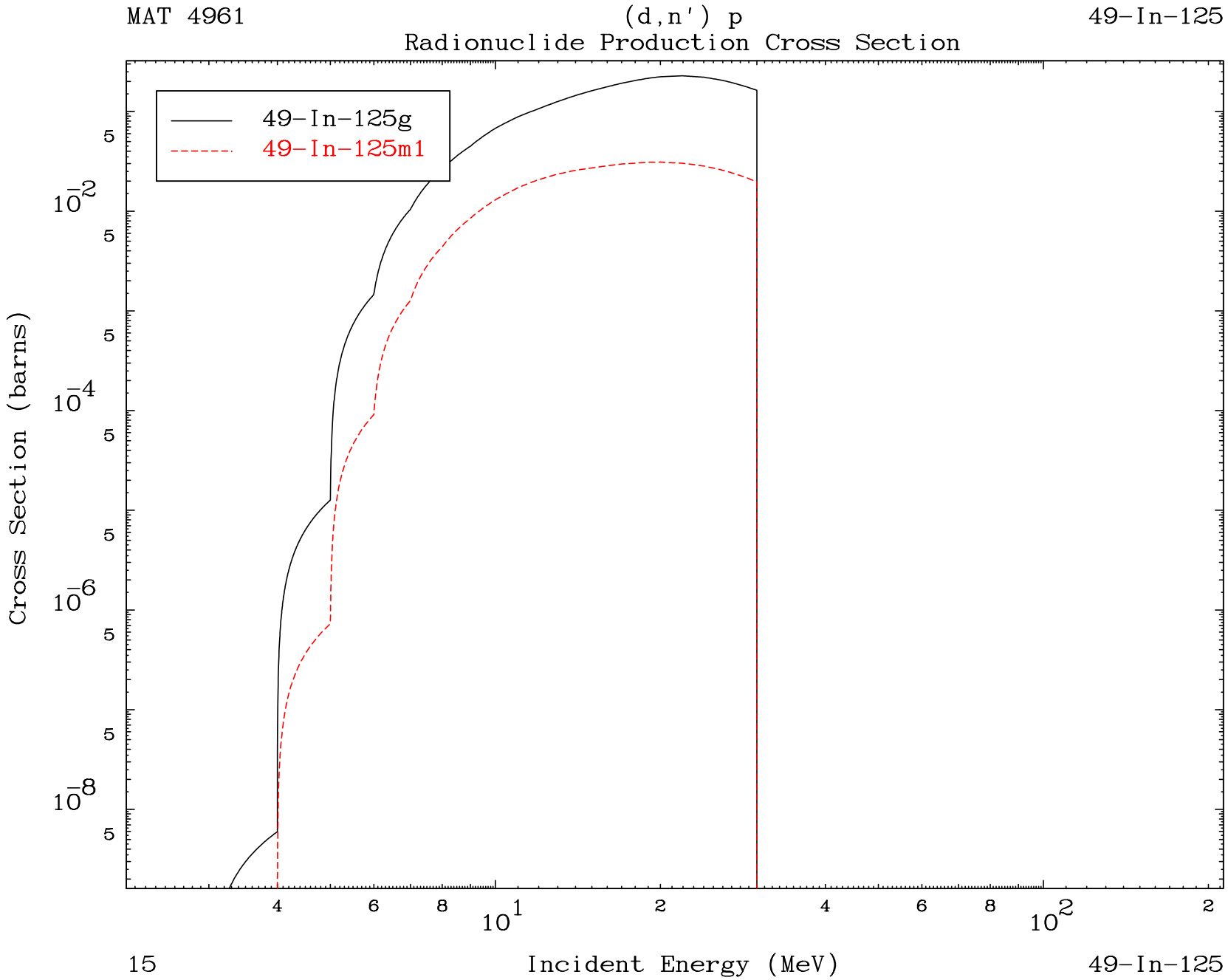

MAT 4961
(d,He3) Levels
49-In-125
0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^1
10^2
49-In-125

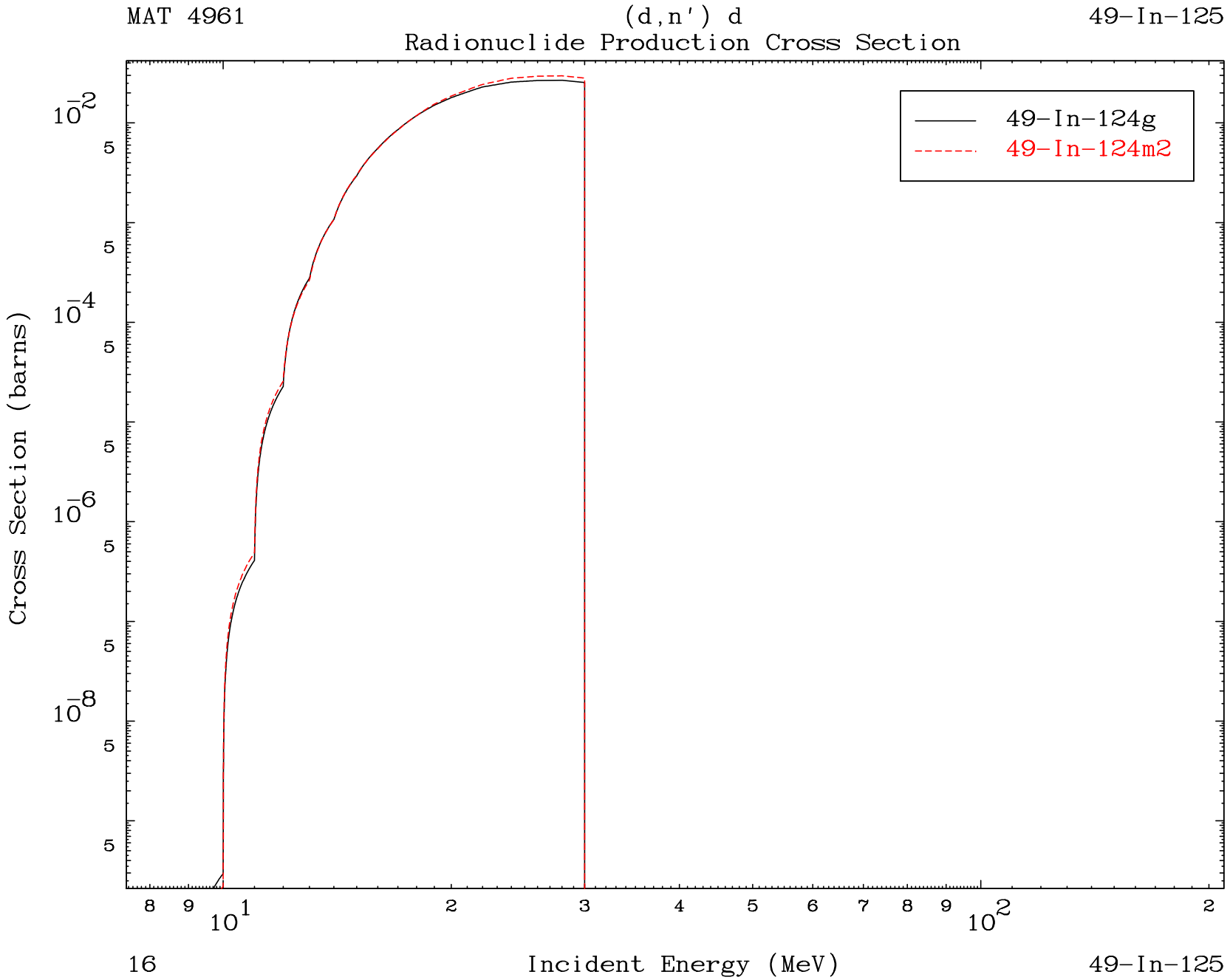

MAT 4961
(d,α) Levels
49-In-125
0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
11
Incident Energy (MeV)
49-In-125

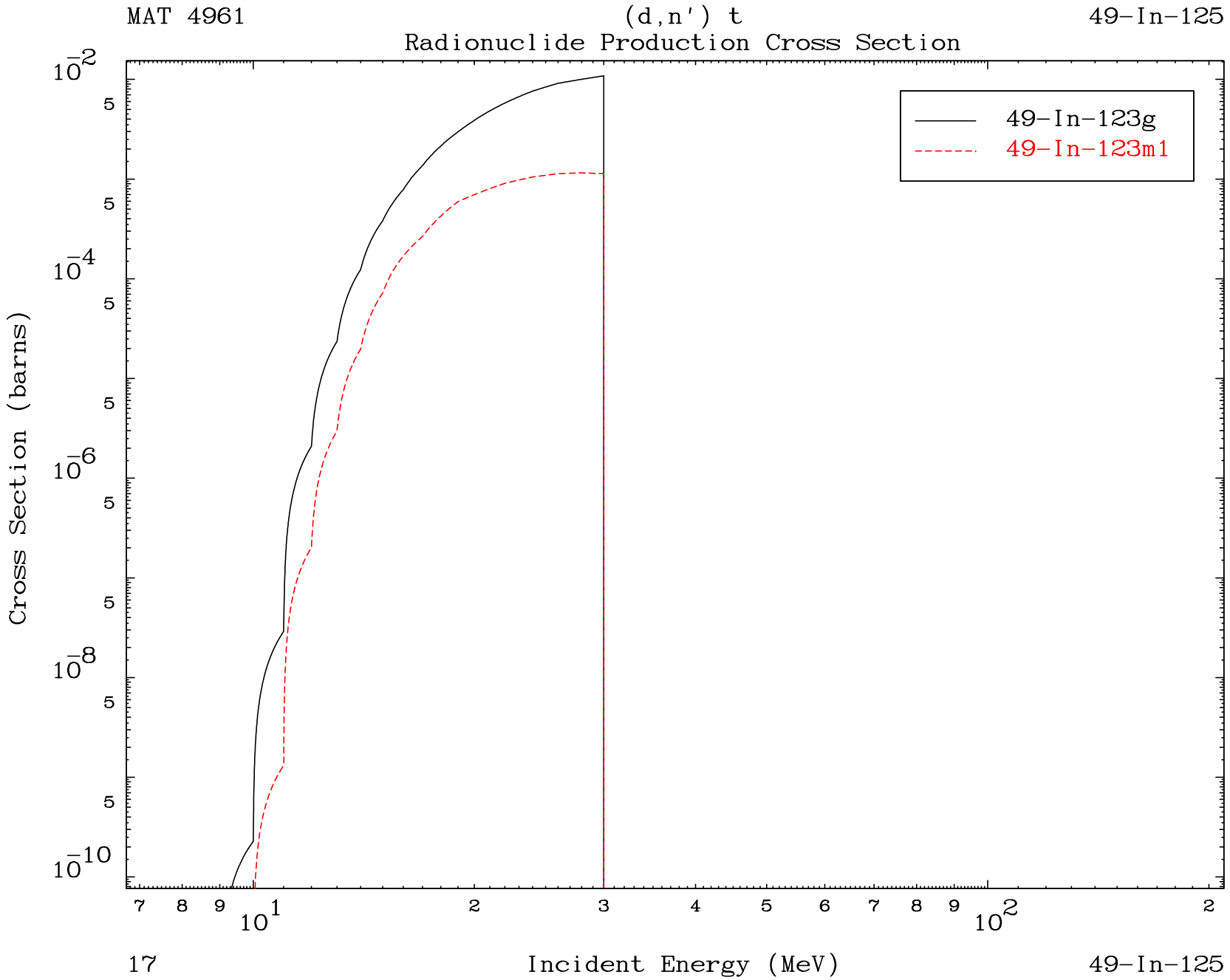

MAT 4961
(d,2n) d
49-In-125
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
49-In-125

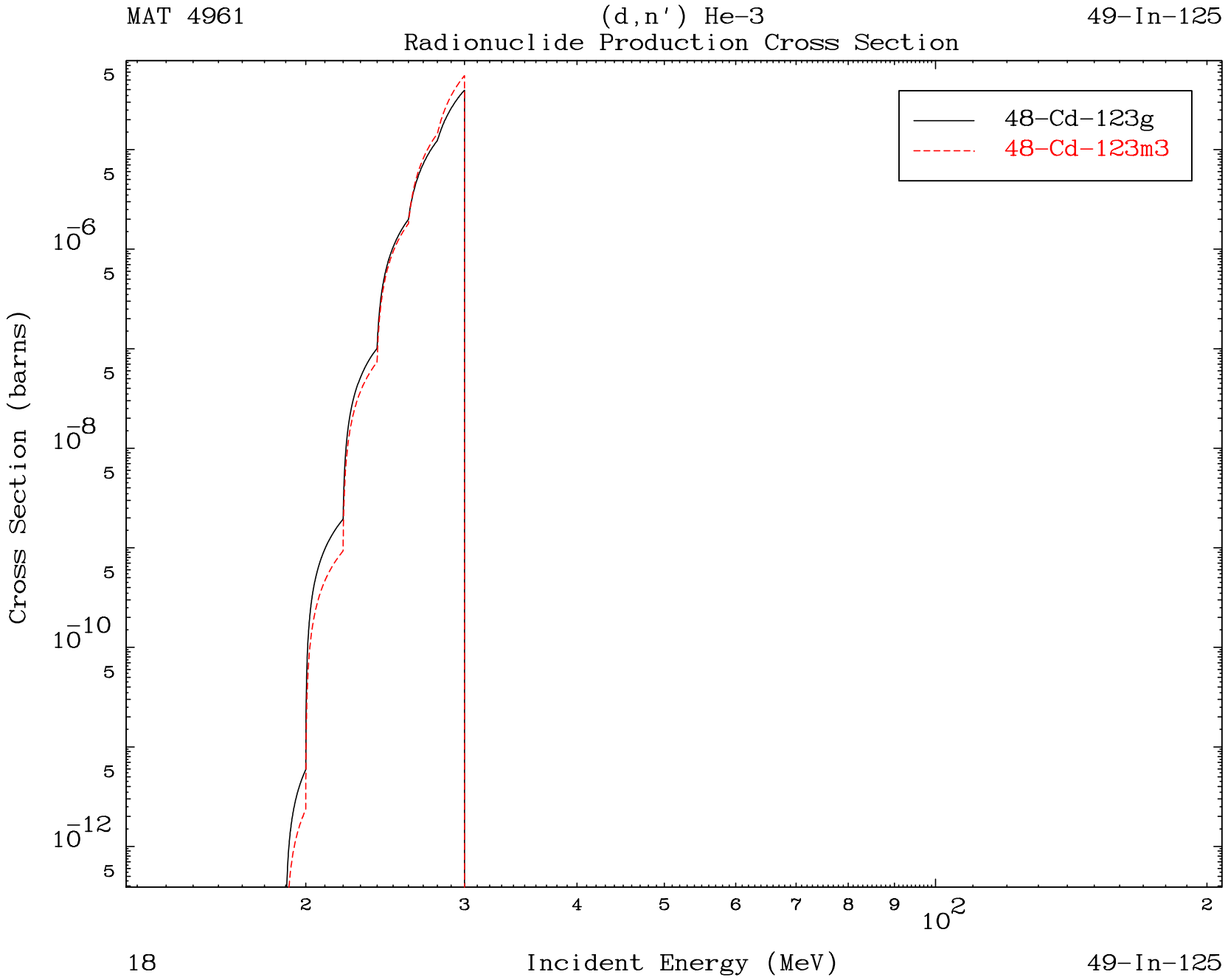

MAT 4961
(d,2n)
49-In-125
Radionuclide Production Cross Section
50-Sn-125g
50-Sn-125m1
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
13
Incident Energy (MeV)
49-In-125

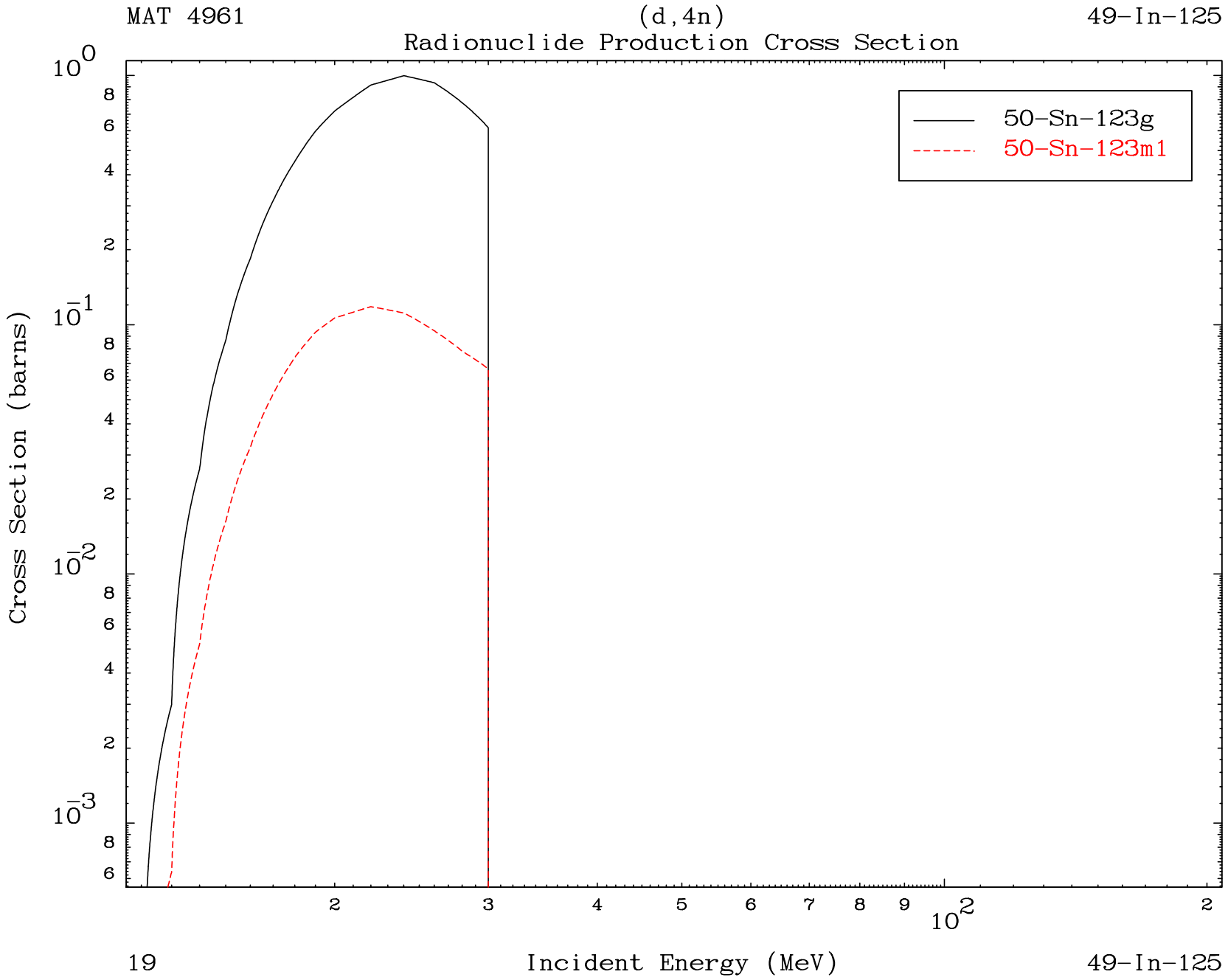

MAT 4961
(d,2n) α
49-In-125
Radionuclide Production Cross Section
48-Cd-121g
48-Cd-121m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
6
7
8
9
10 1
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
49-In-125

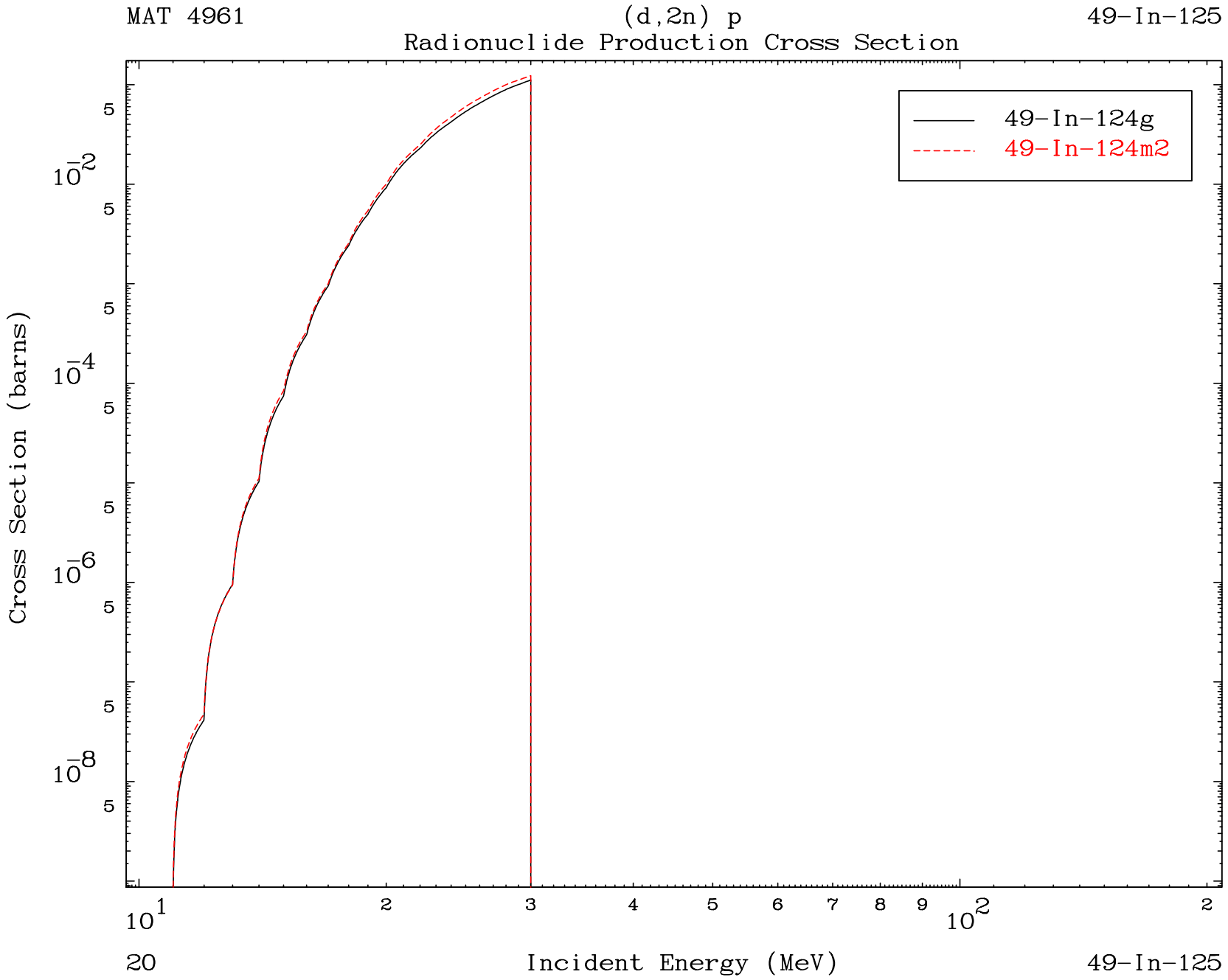

MAT 4961
(d,n') p
49-In-125
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4
6
8
10 1
2
4
6
8
10 2
2
15
Incident Energy (MeV)
49-In-125

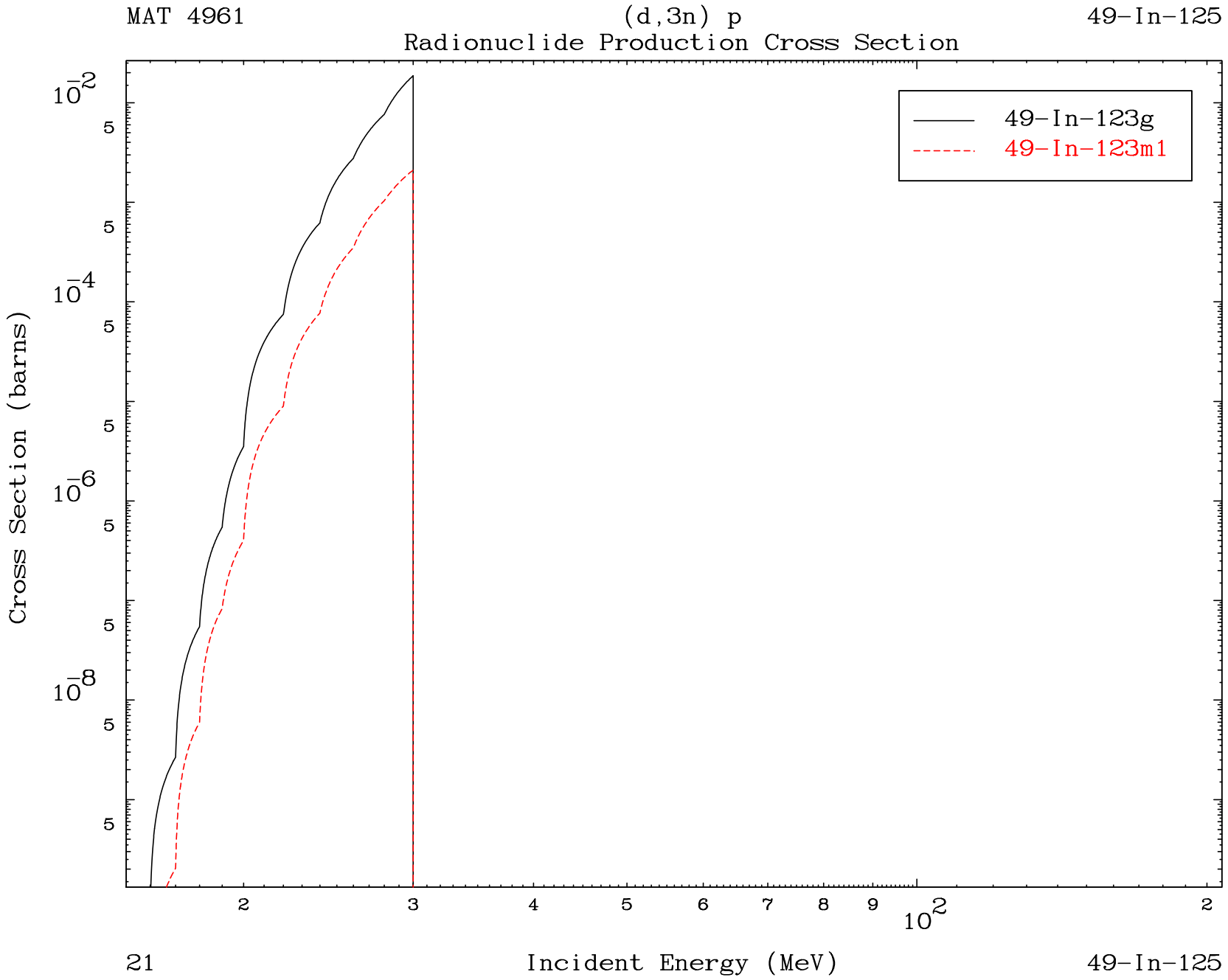

MAT 4961
(d,n') d
49-In-125
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
Incident Energy (MeV)
16
49-In-125

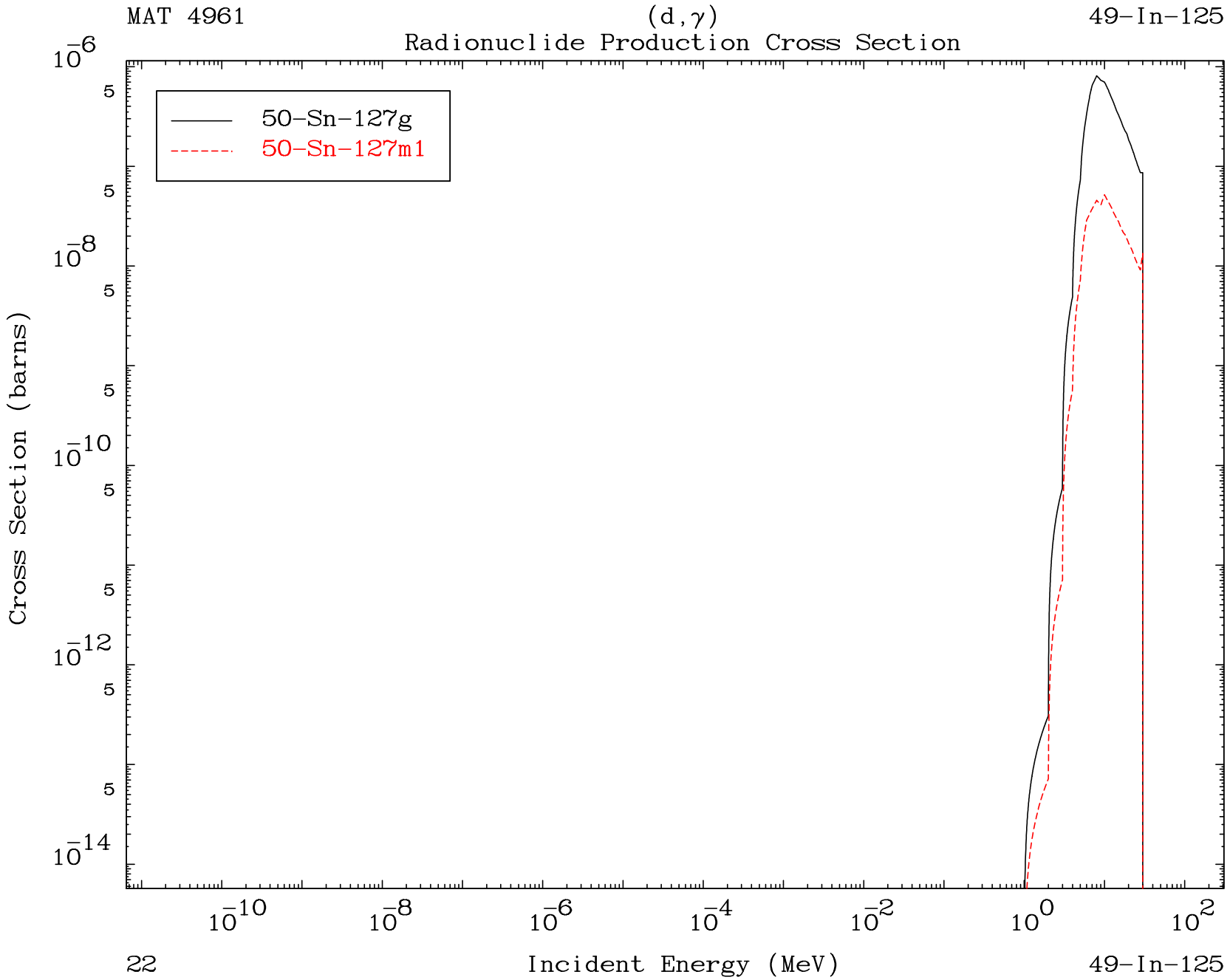

MAT 4961
(d,n') t
49-In-125
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
Incident Energy (MeV)
17
49-In-125

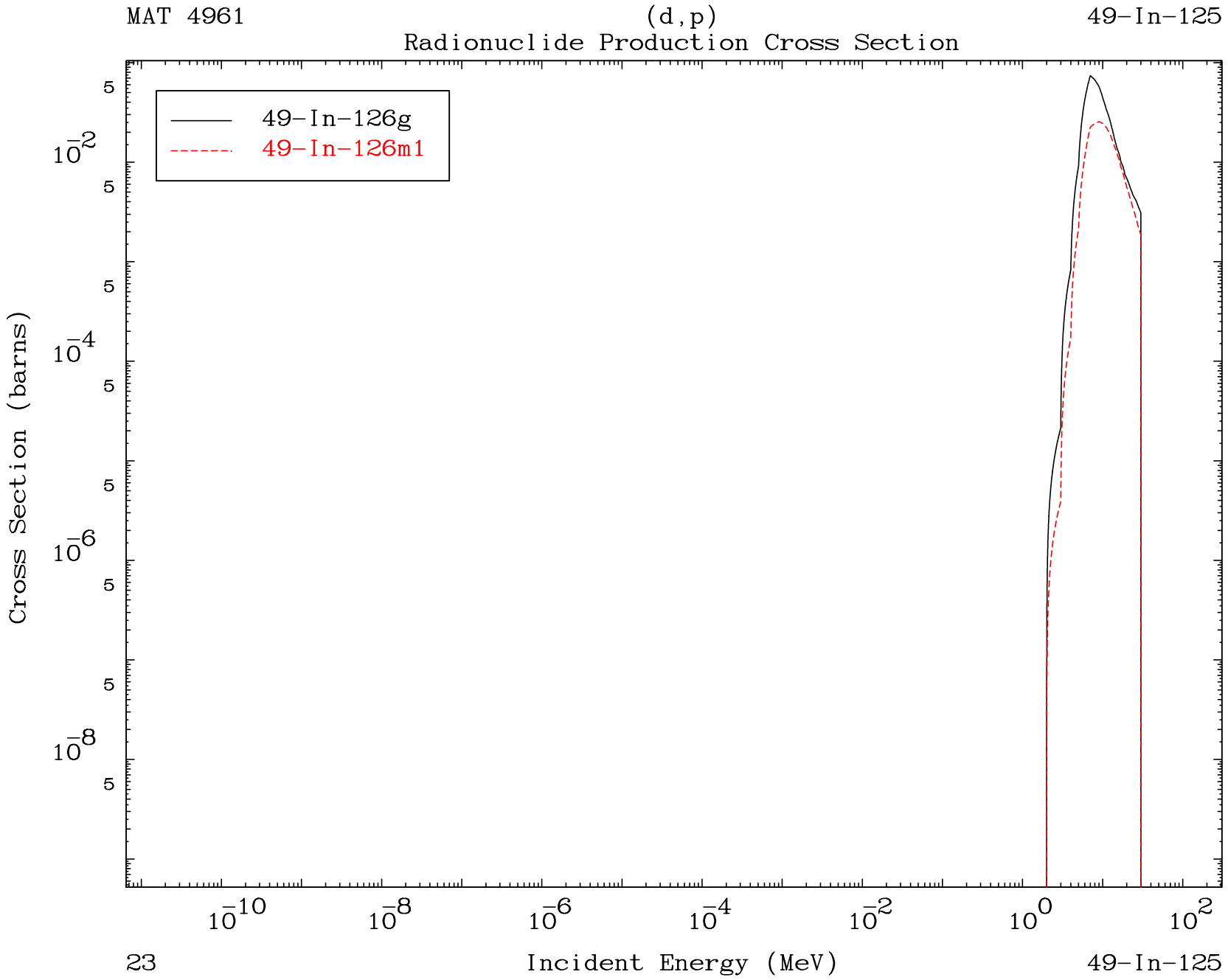

MAT 4961
(d,n') He-3
49-In-125
Radionuclide Production Cross Section
48-Cd-123g
48-Cd-123m3
Cross Section (barns)
Incident Energy (MeV)
18
49-In-125

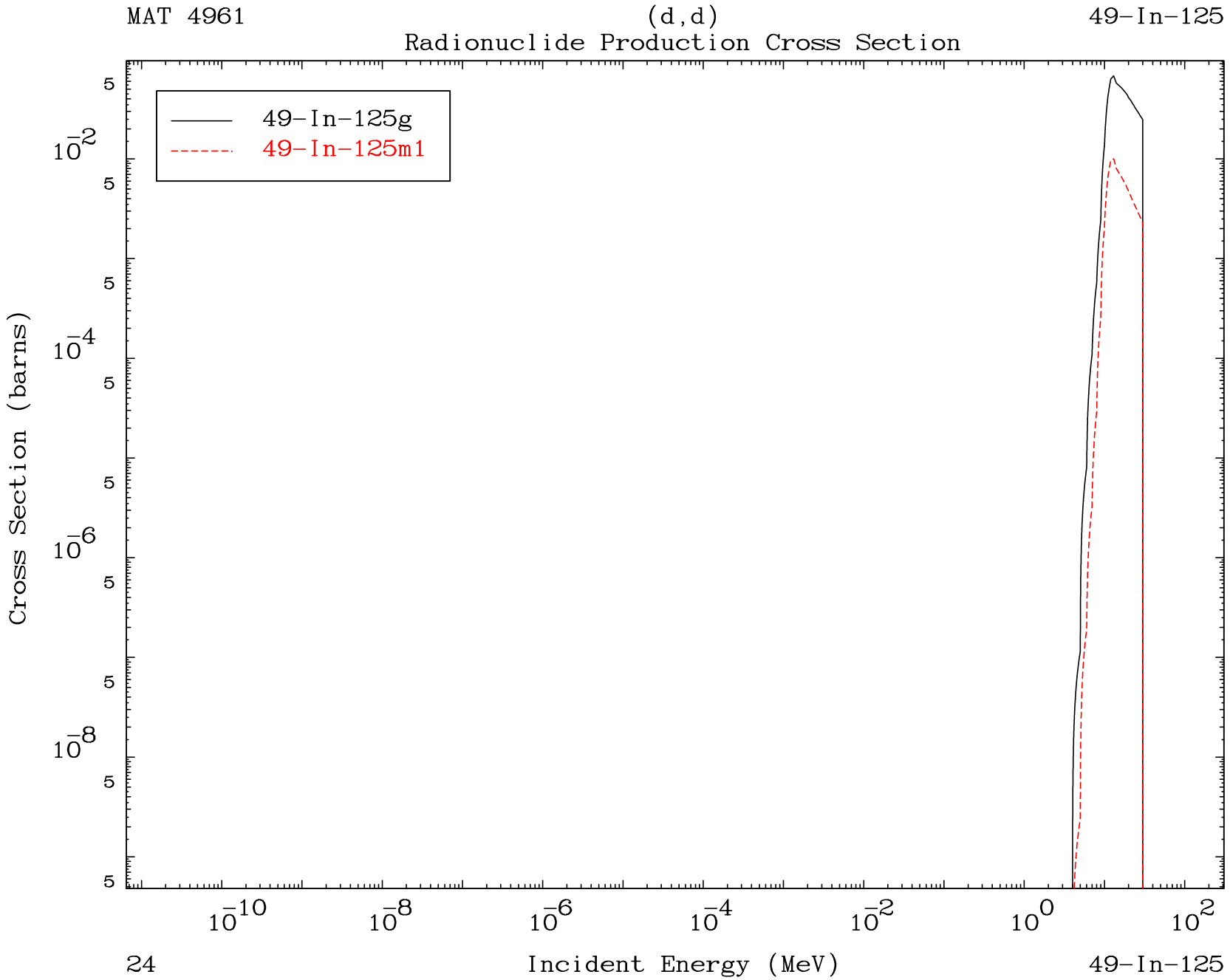

MAT 4961
(d,4n)
49-In-125
Radionuclide Production Cross Section
50-Sn-123g
50-Sn-123m1
Cross Section (barns)
Incident Energy (MeV)
19
49-In-125

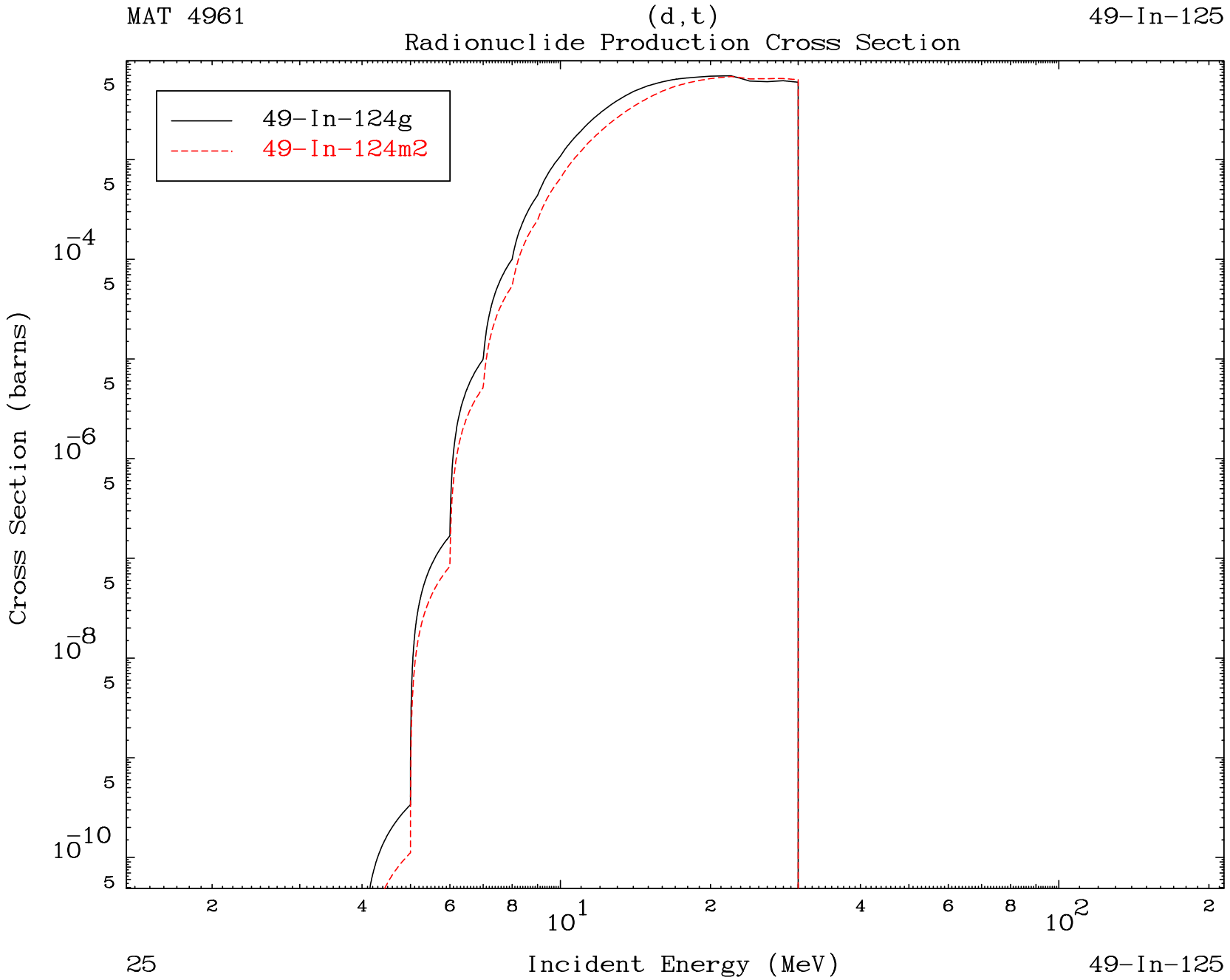

MAT 4961
(d,2n) p
49-In-125
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
Incident Energy (MeV)
20
49-In-125

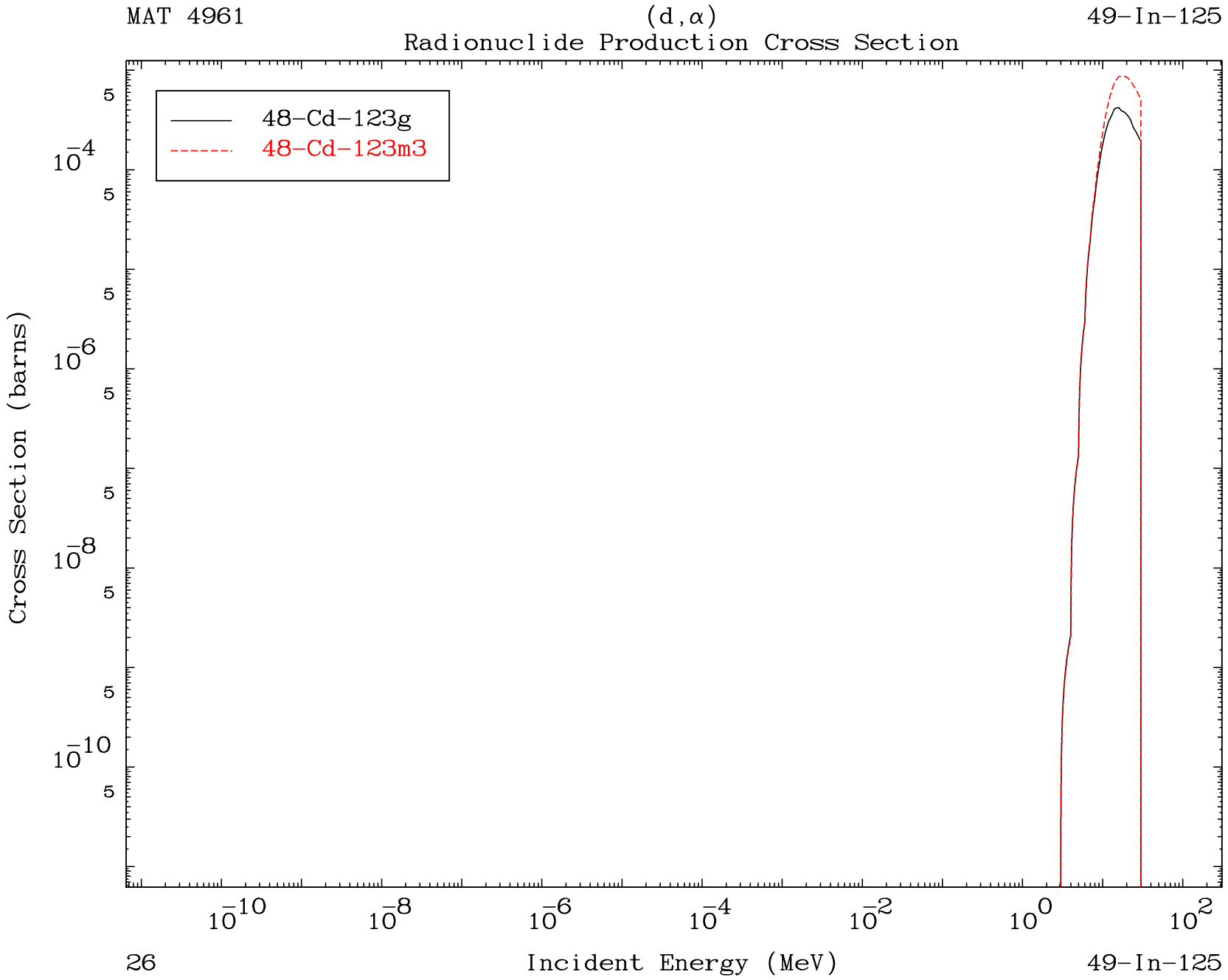

MAT 4961
(d,3n) p
49-In-125
Radionuclide Production Cross Section
49-In-123g
49-In-123m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
49-In-125

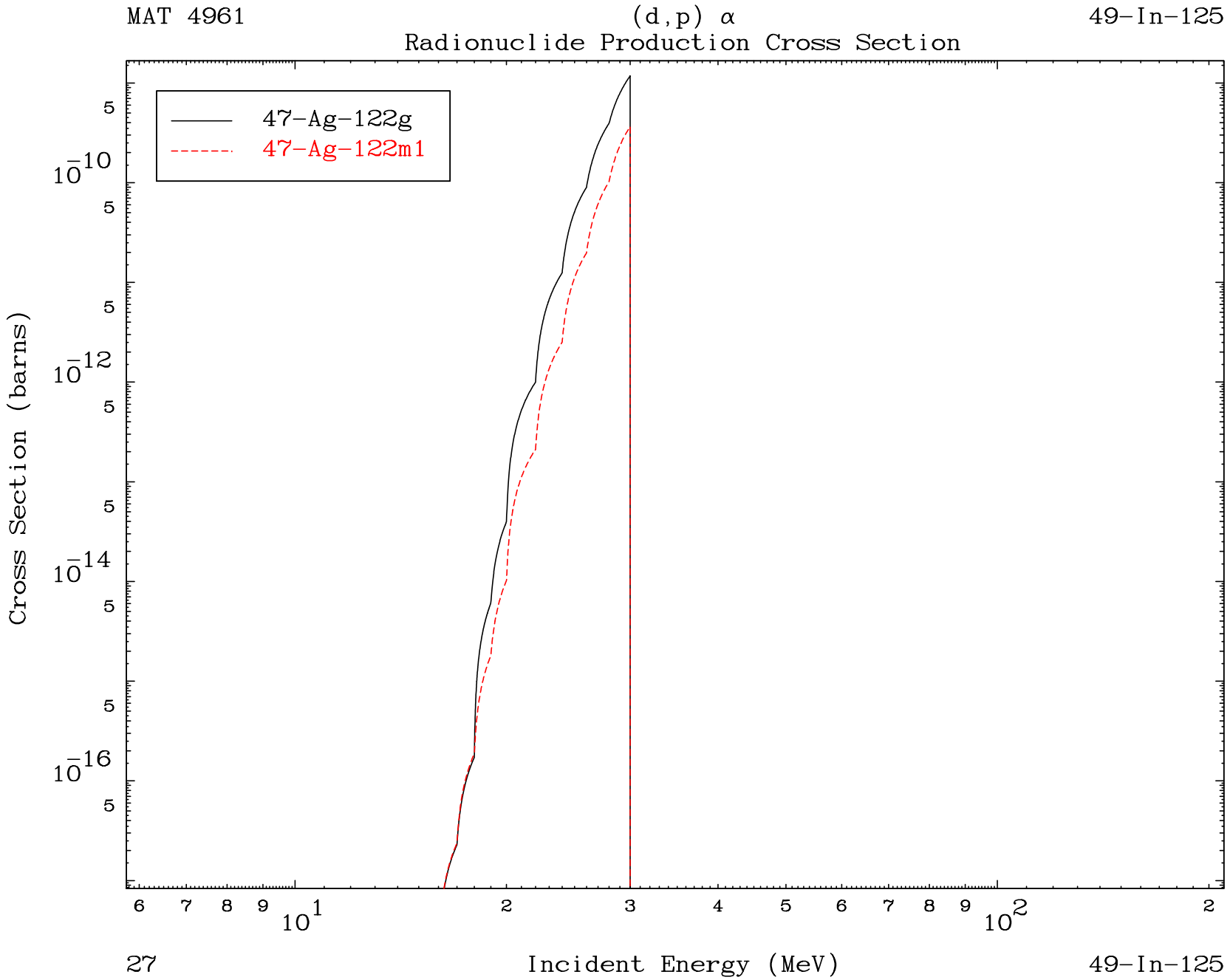

MAT 4961
(d,γ)
49-In-125
Radionuclide Production Cross Section
50-Sn-127g
50-Sn-127m1
Cross Section (barns)
Incident Energy (MeV)
22
49-In-125

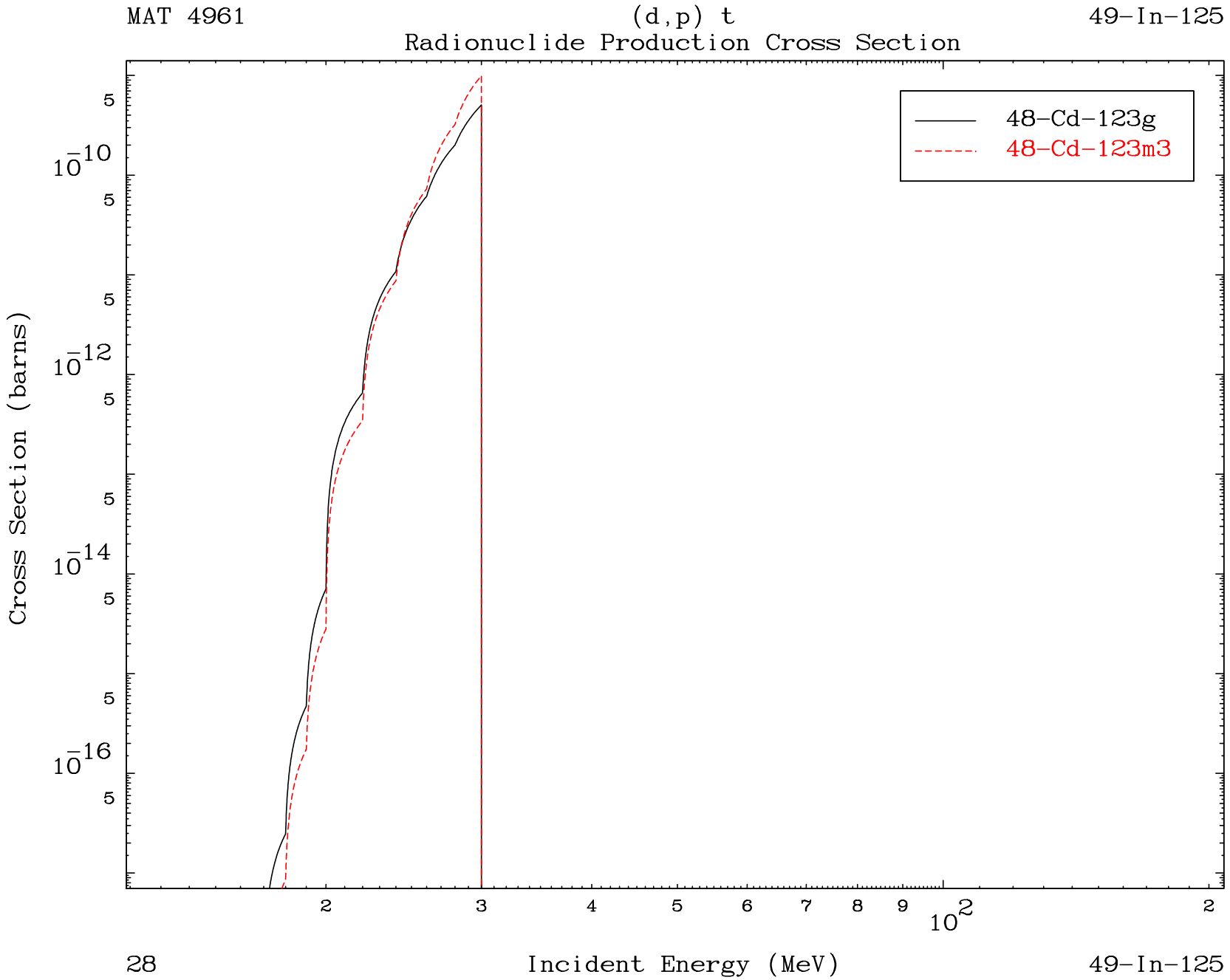

MAT 4961
(d,p)
49-In-125
Radionuclide Production Cross Section
49-In-126g
49-In-126m1
Cross Section (barns)
Incident Energy (MeV)
23
49-In-125


MAT 4961
(d,d)
49-In-125
Radionuclide Production Cross Section
49-In-125g
49-In-125m1
Cross Section (barns)
Incident Energy (MeV)
24
49-In-125


MAT 4961
(d,t)
49-In-125
Radionuclide Production Cross Section
49-In-124g
49-In-124m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
25
49-In-125


MAT 4961
(d,α)
49-In-125
Radionuclide Production Cross Section
48-Cd-123g
48-Cd-123m3
Cross Section (barns)
Incident Energy (MeV)
26
49-In-125


MAT 4961
(d,p) α
49-In-125
Radionuclide Production Cross Section
47-Ag-122g
47-Ag-122m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
27
49-In-125


MAT 4961
(d,p) t
49-In-125
Radionuclide Production Cross Section
48-Cd-123g
48-Cd-123m3
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
6
7
8
9
10^2
28
Incident Energy (MeV)
49-In-125