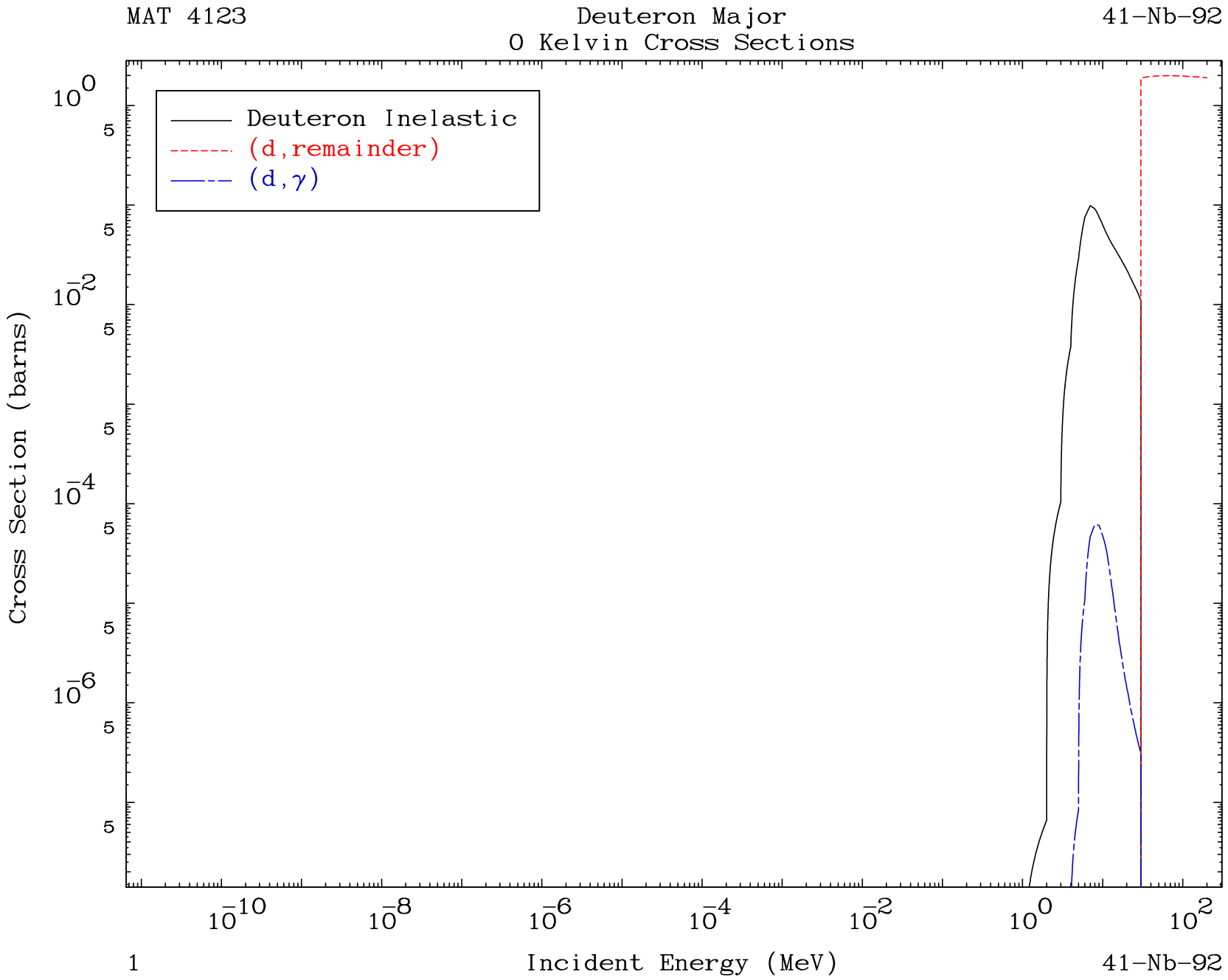
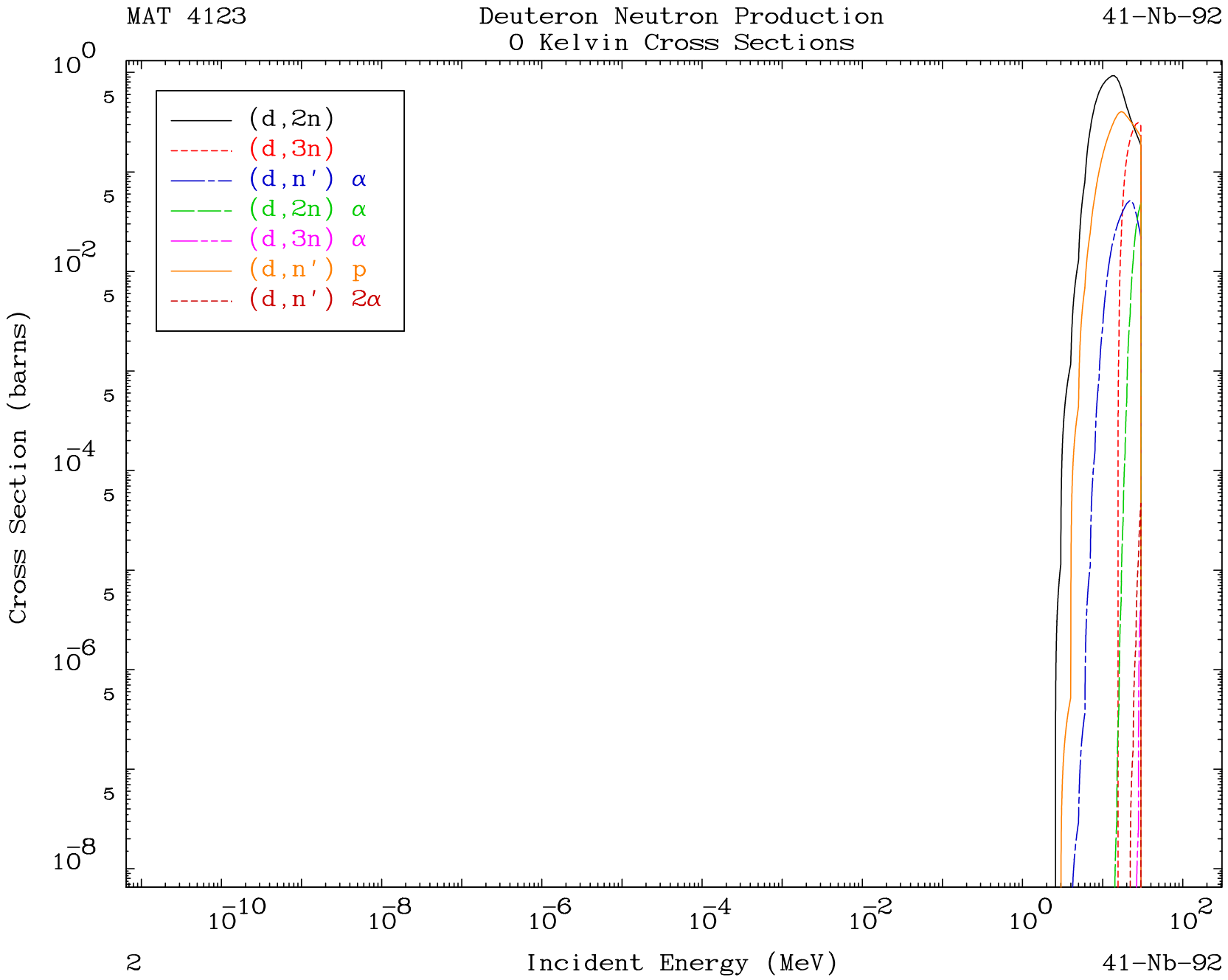
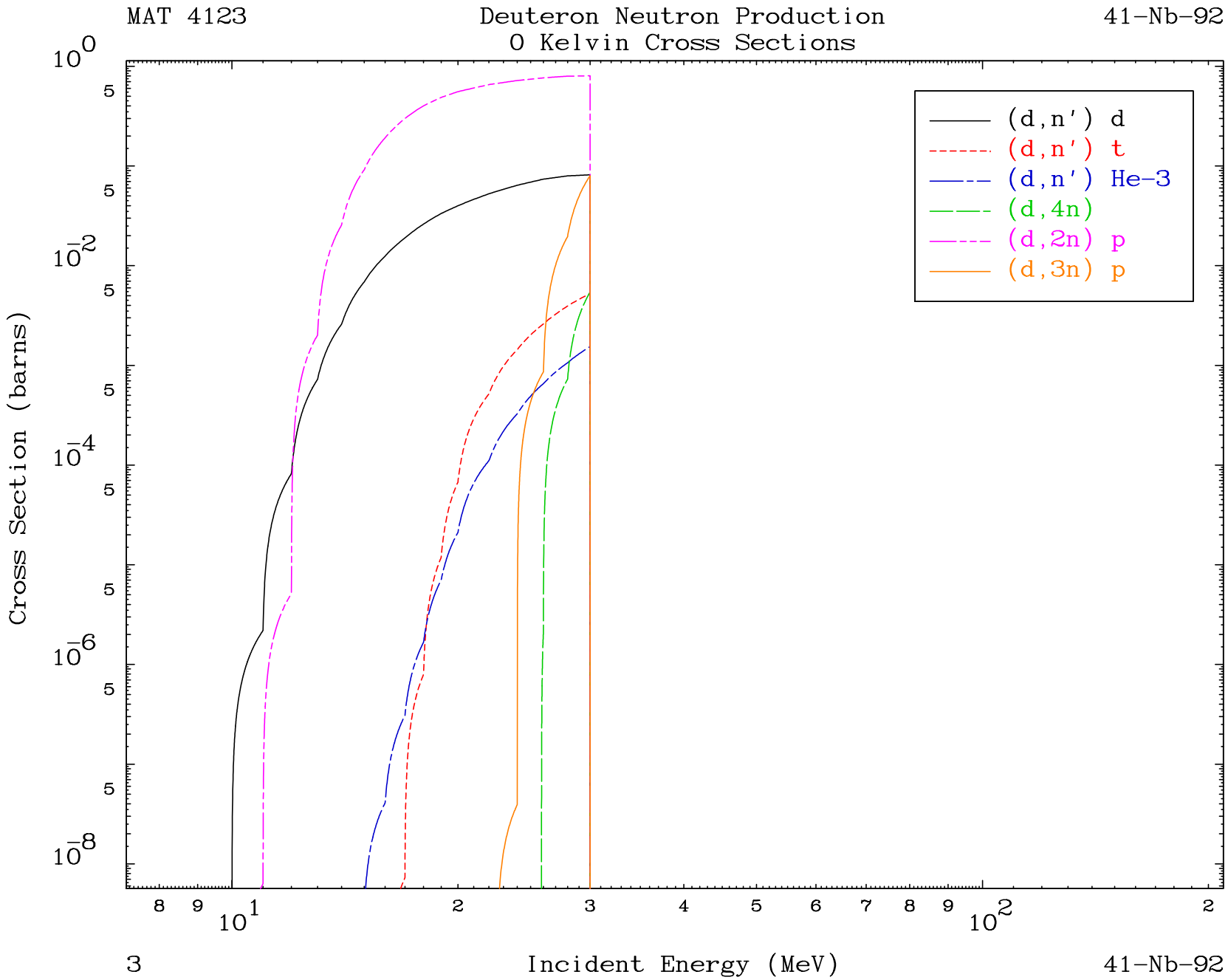
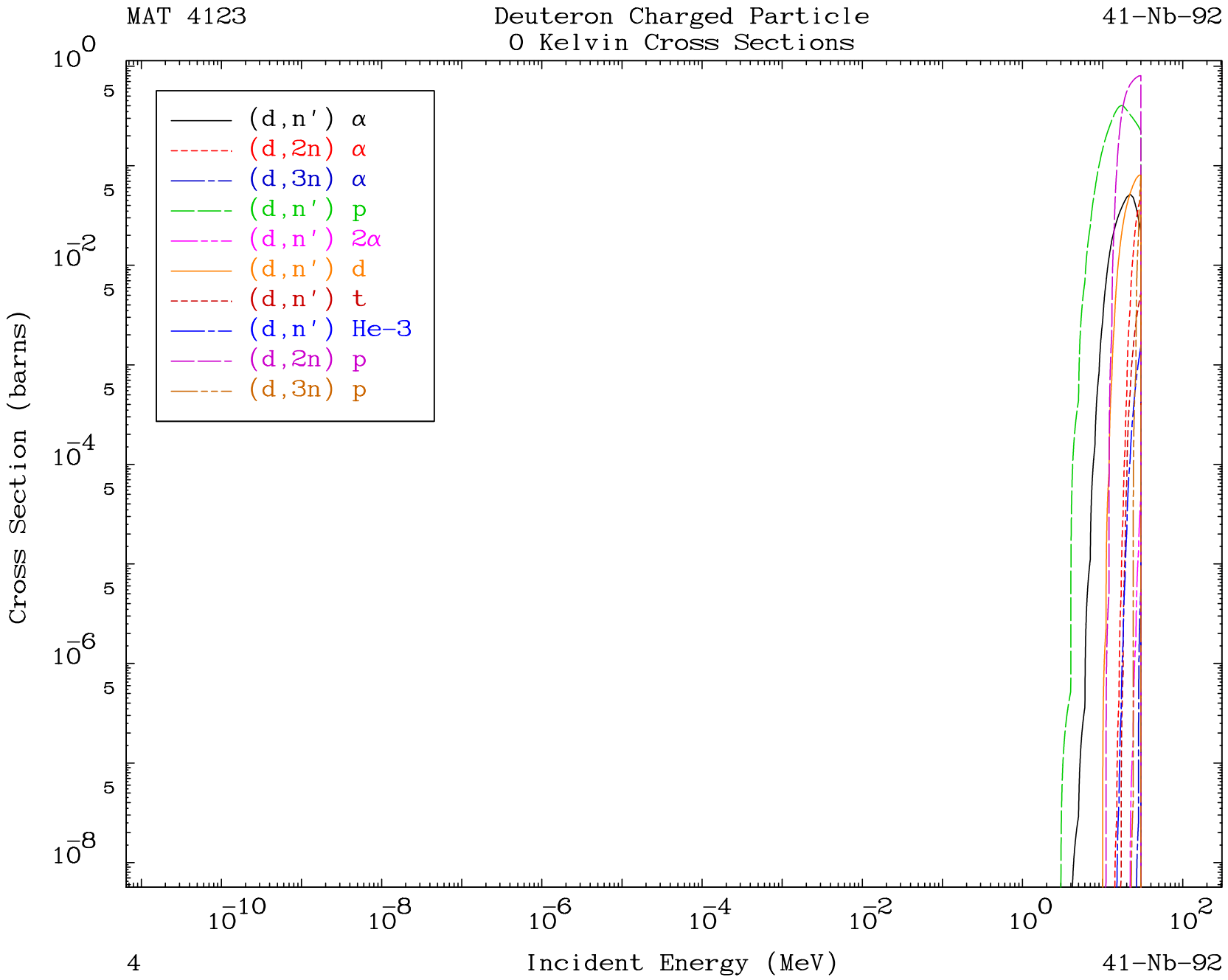
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

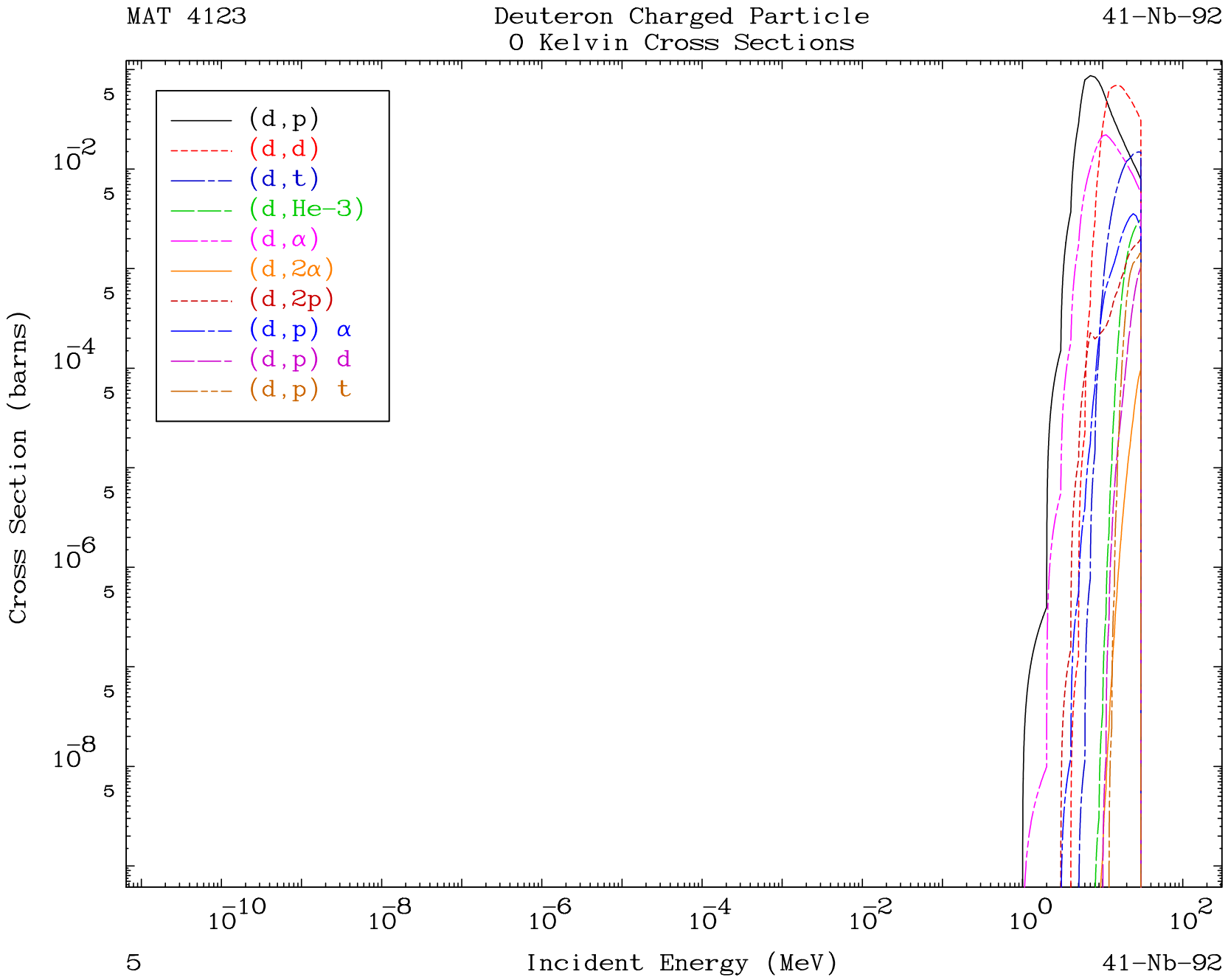
Press Mouse Button to Start

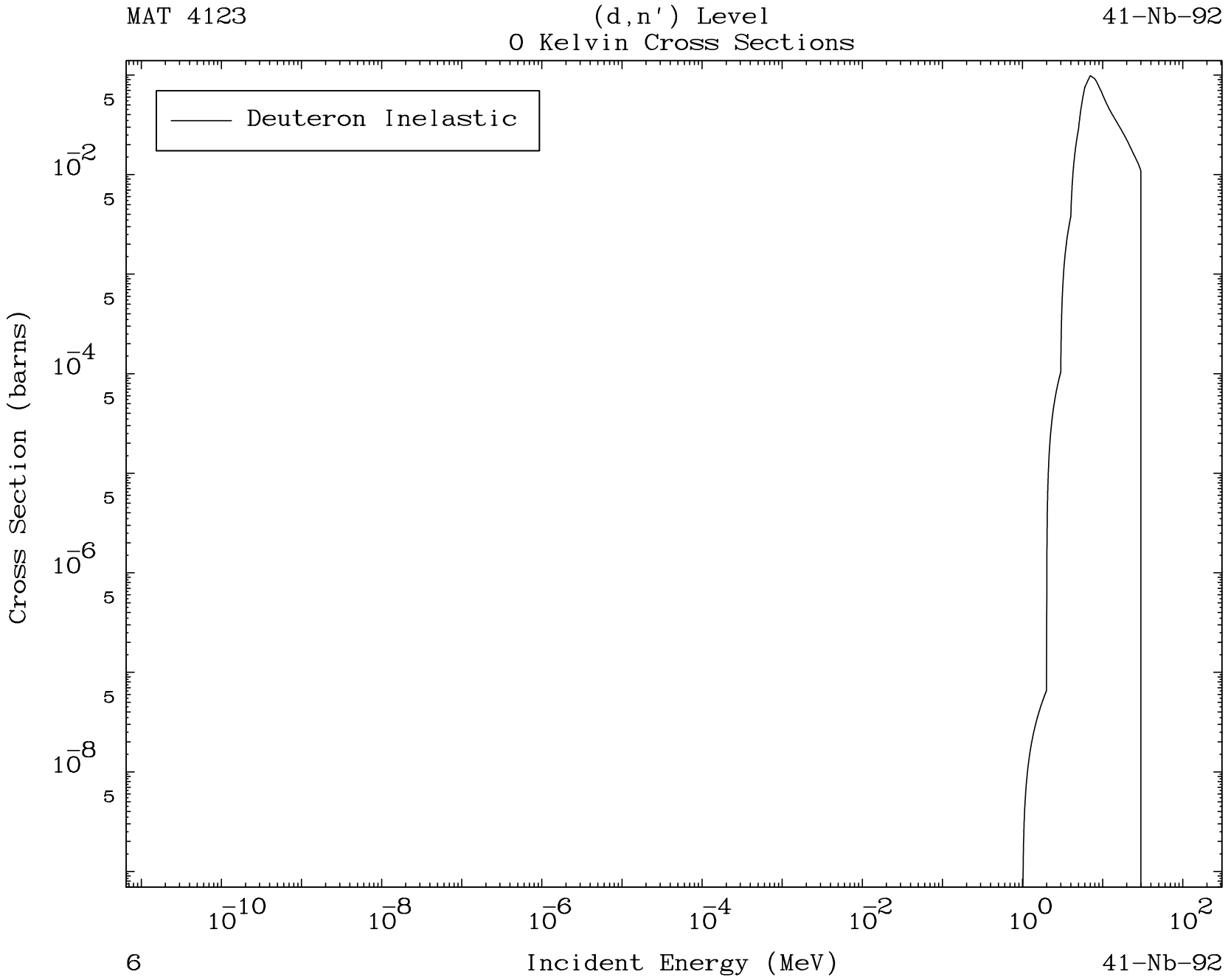

MAT 4123
Deuteron Major
41-Nb-92
0 Kelvin Cross Sections
Deuteron Inelastic
(d,remainder)
(d,γ)
Cross Section (barns)
Incident Energy (MeV)
1
41-Nb-92

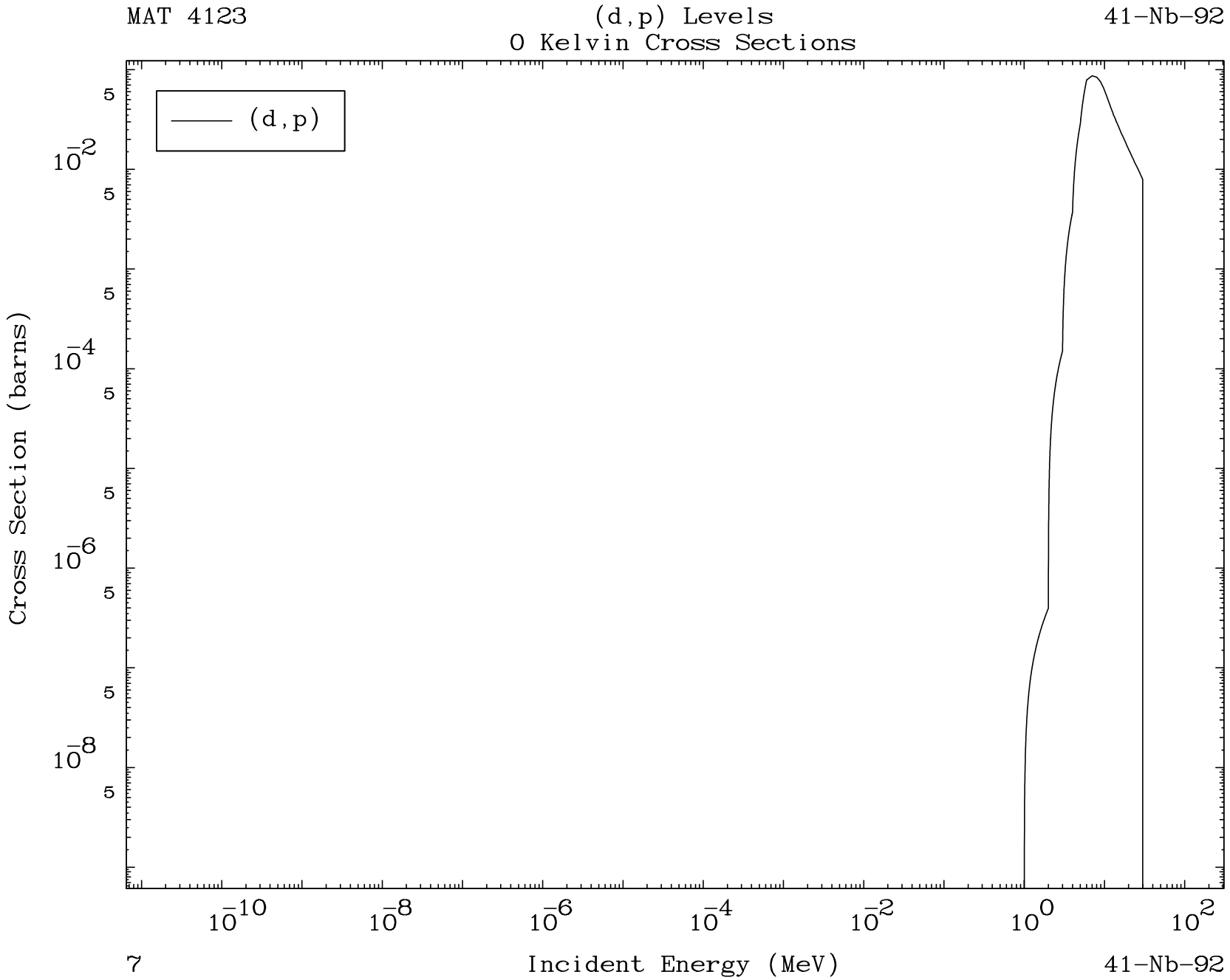

MAT 4123
Deuteron Neutron Production
0 Kelvin Cross Sections
41-Nb-92
(d,2n)
(d,3n)
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
Cross Section (barns)
Incident Energy (MeV)
2
41-Nb-92

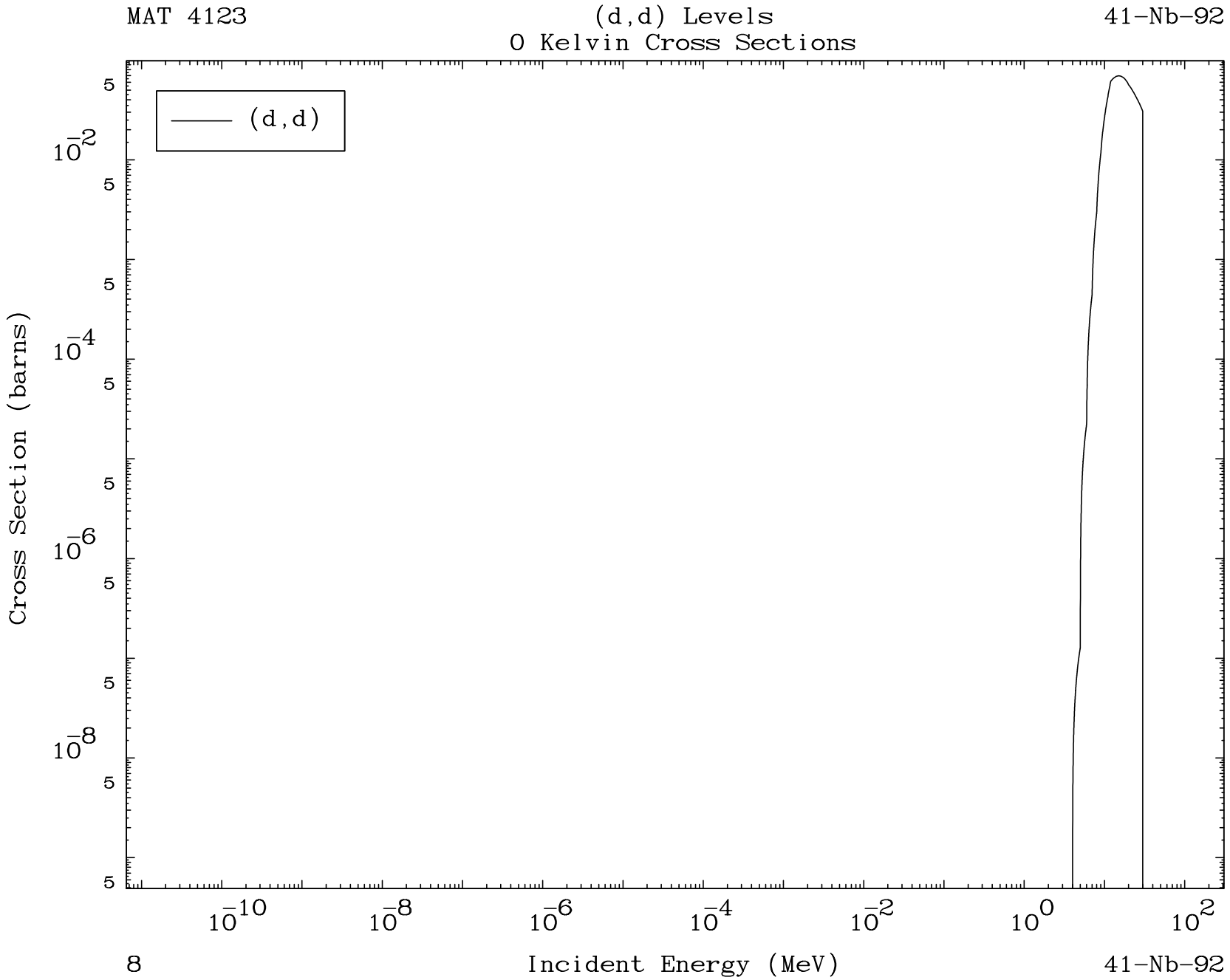

MAT 4123
Deuteron Neutron Production
0 Kelvin Cross Sections
41-Nb-92
Cross Section (barns)
Incident Energy (MeV)
(d,n') d
(d,n') t
(d,n') He-3
(d,4n)
(d,2n) p
(d,3n) p
3
41-Nb-92

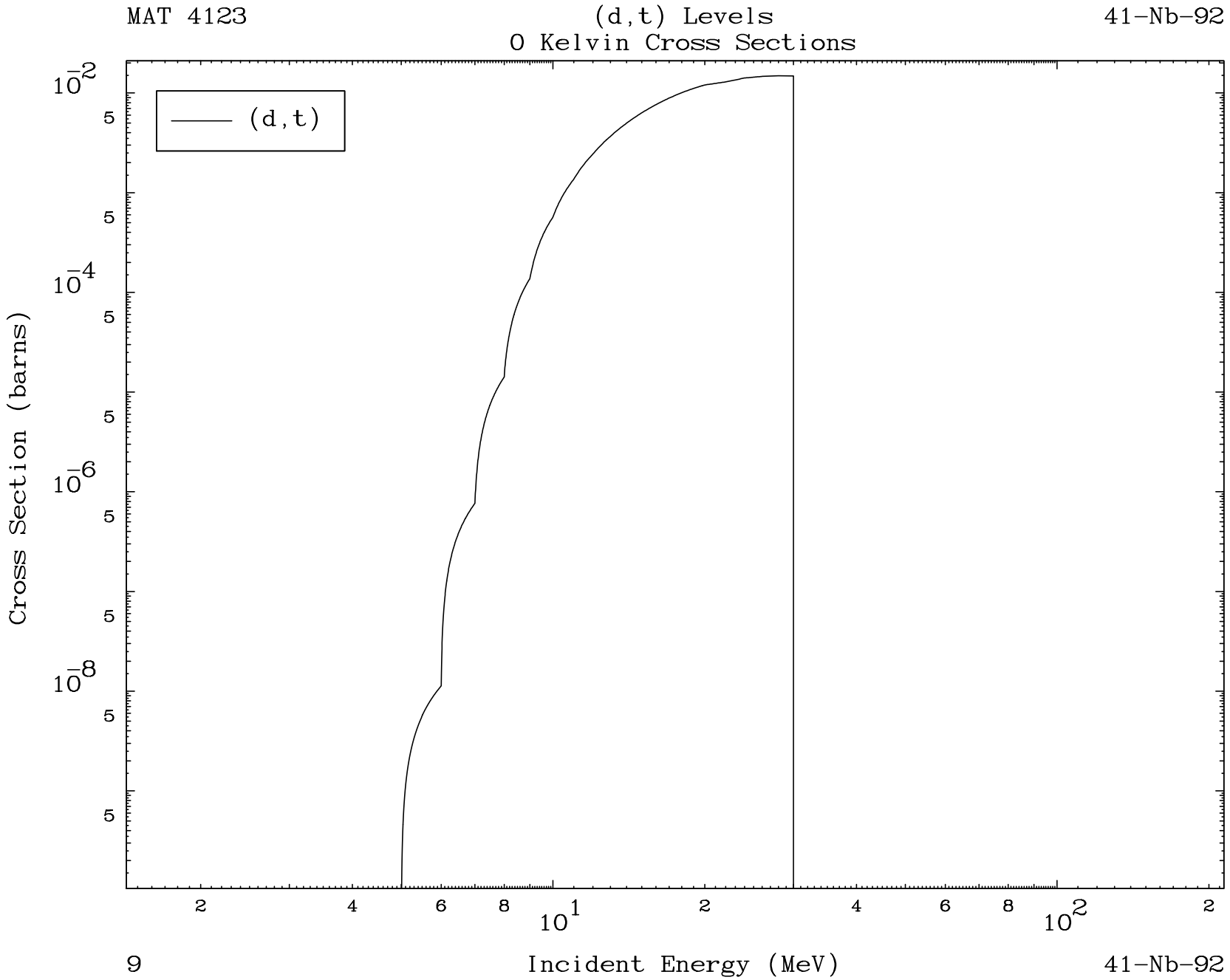

MAT 4123
Deuteron Charged Particle
0 Kelvin Cross Sections
41-Nb-92
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,2n) p
(d,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
41-Nb-92

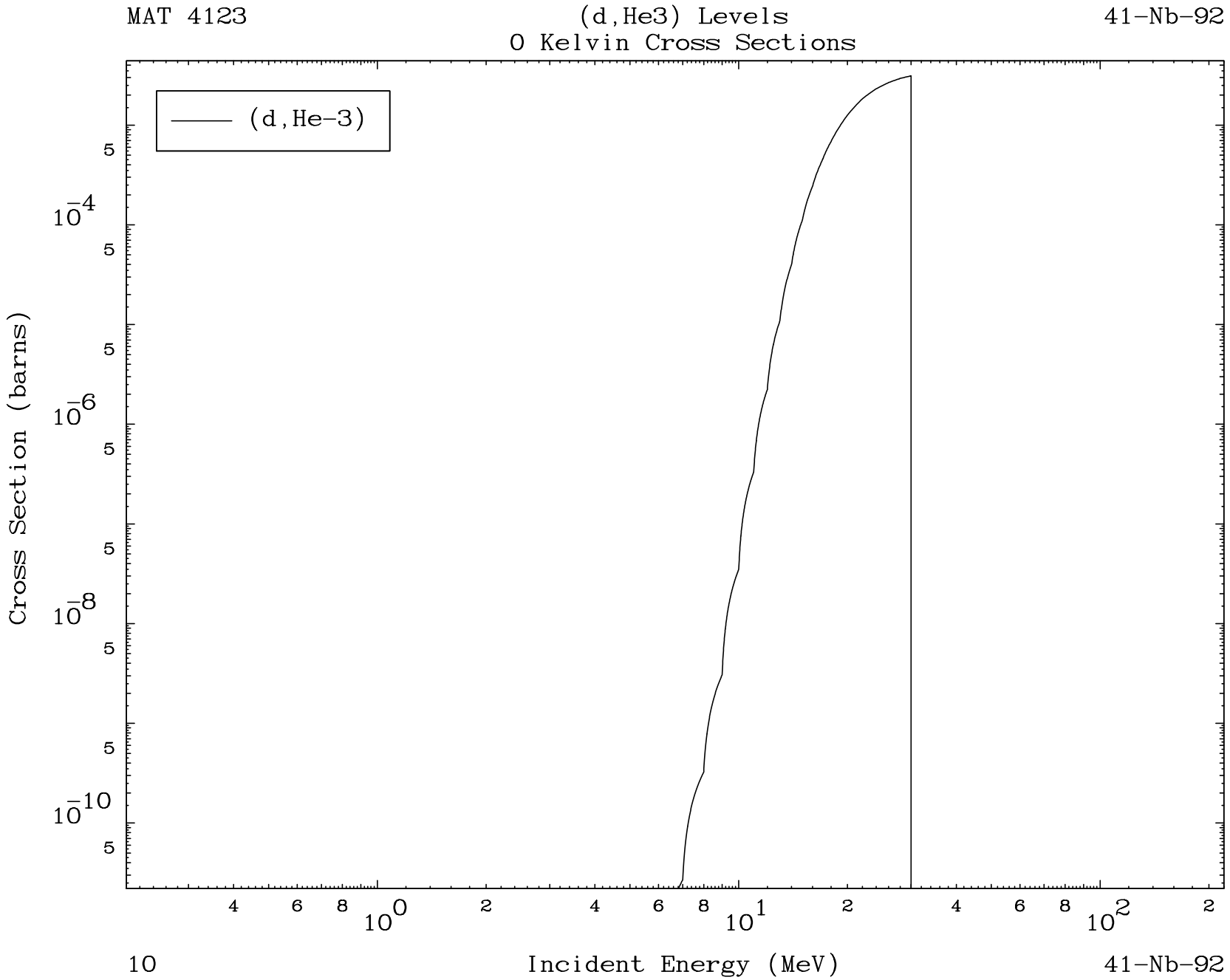

MAT 4123
Deuteron Charged Particle
0 Kelvin Cross Sections
41-Nb-92
(d,p)
(d,d)
(d,t)
(d,He-3)
(d,α)
(d,2α)
(d,2p)
(d,p) α
(d,p) d
(d,p) t
Cross Section (barns)
Incident Energy (MeV)
41-Nb-92

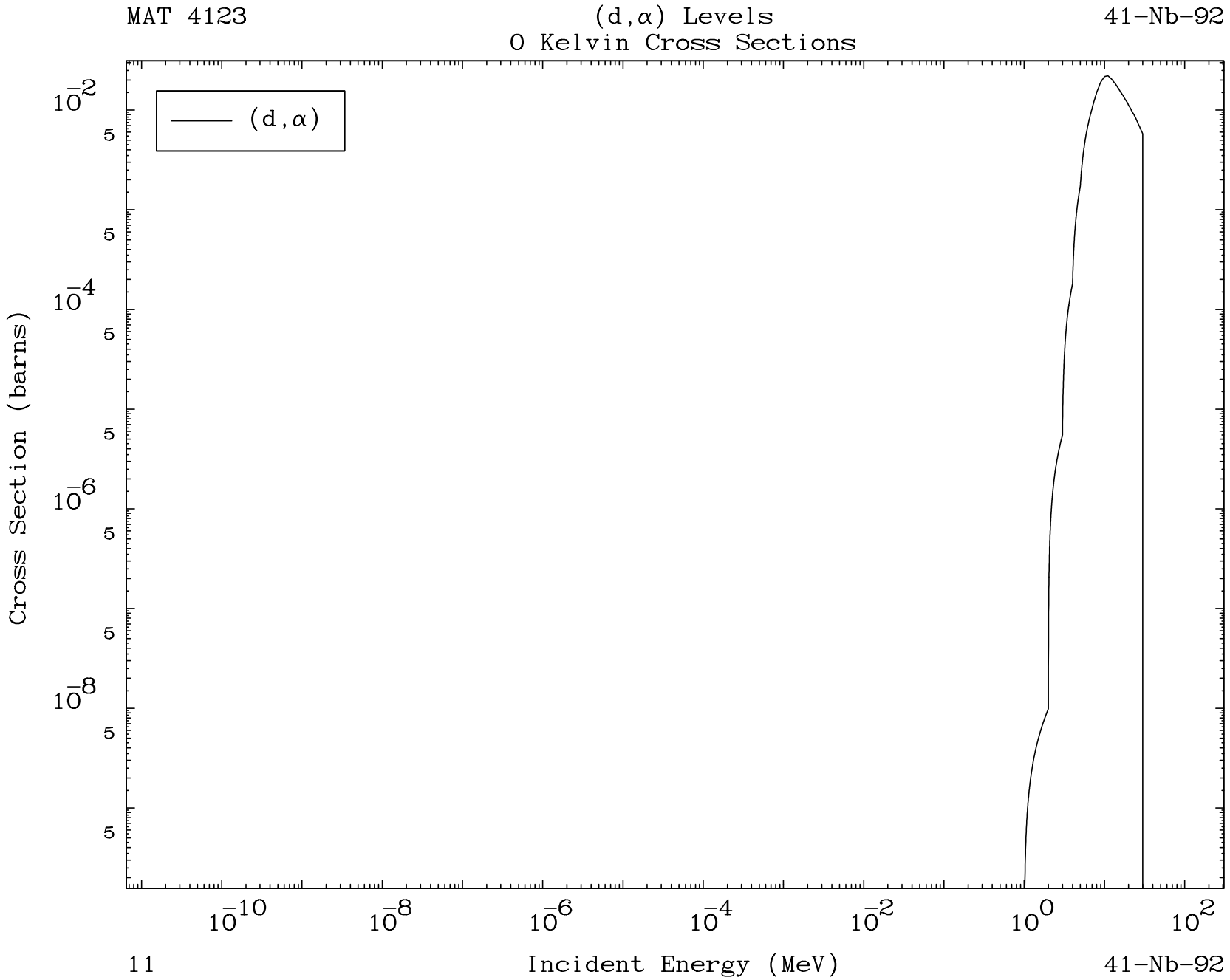

MAT 4123
(d,n') Level
41-Nb-92
0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
41-Nb-92

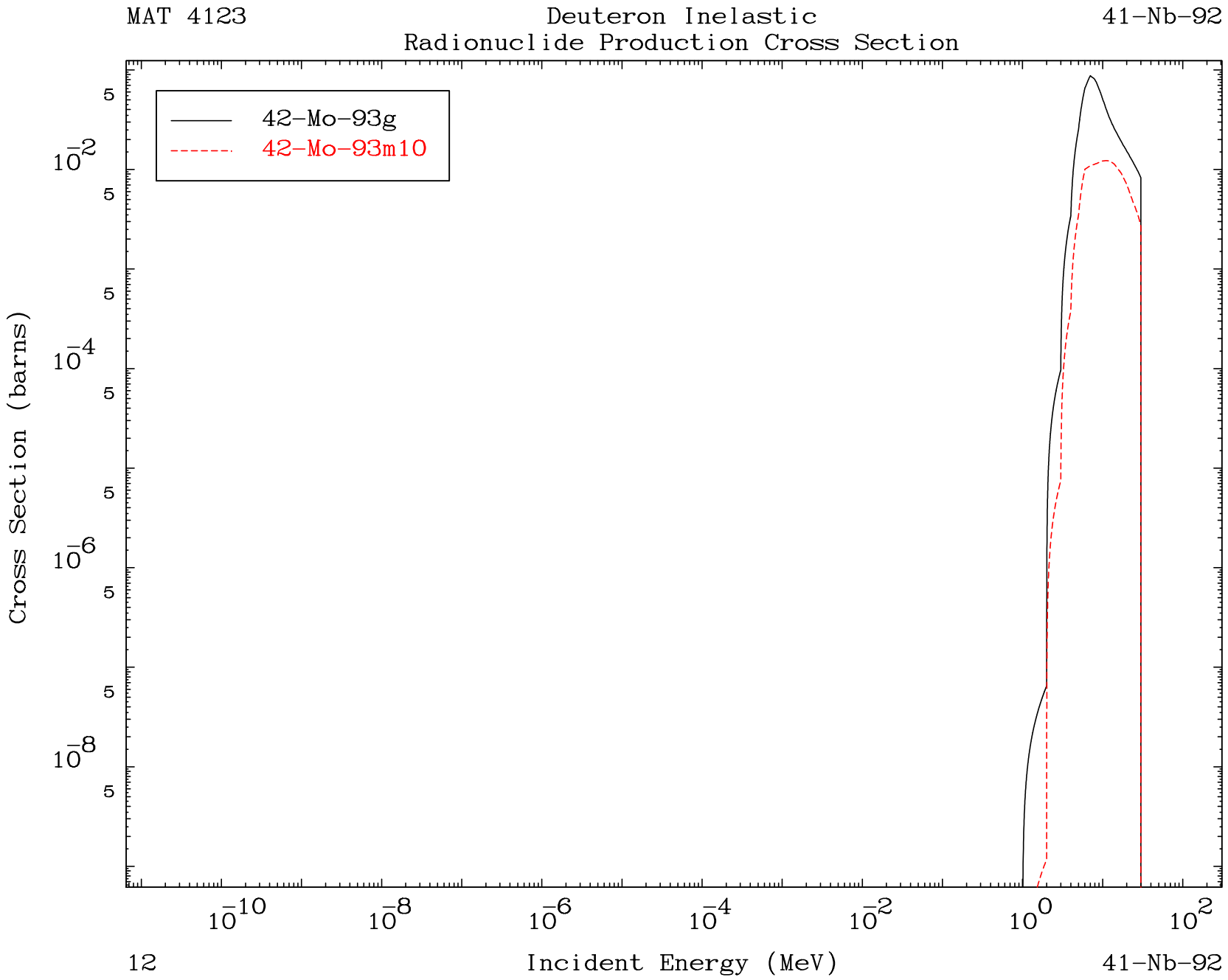

MAT 4123
(d,p) Levels
41-Nb-92
0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
Incident Energy (MeV)
7
41-Nb-92

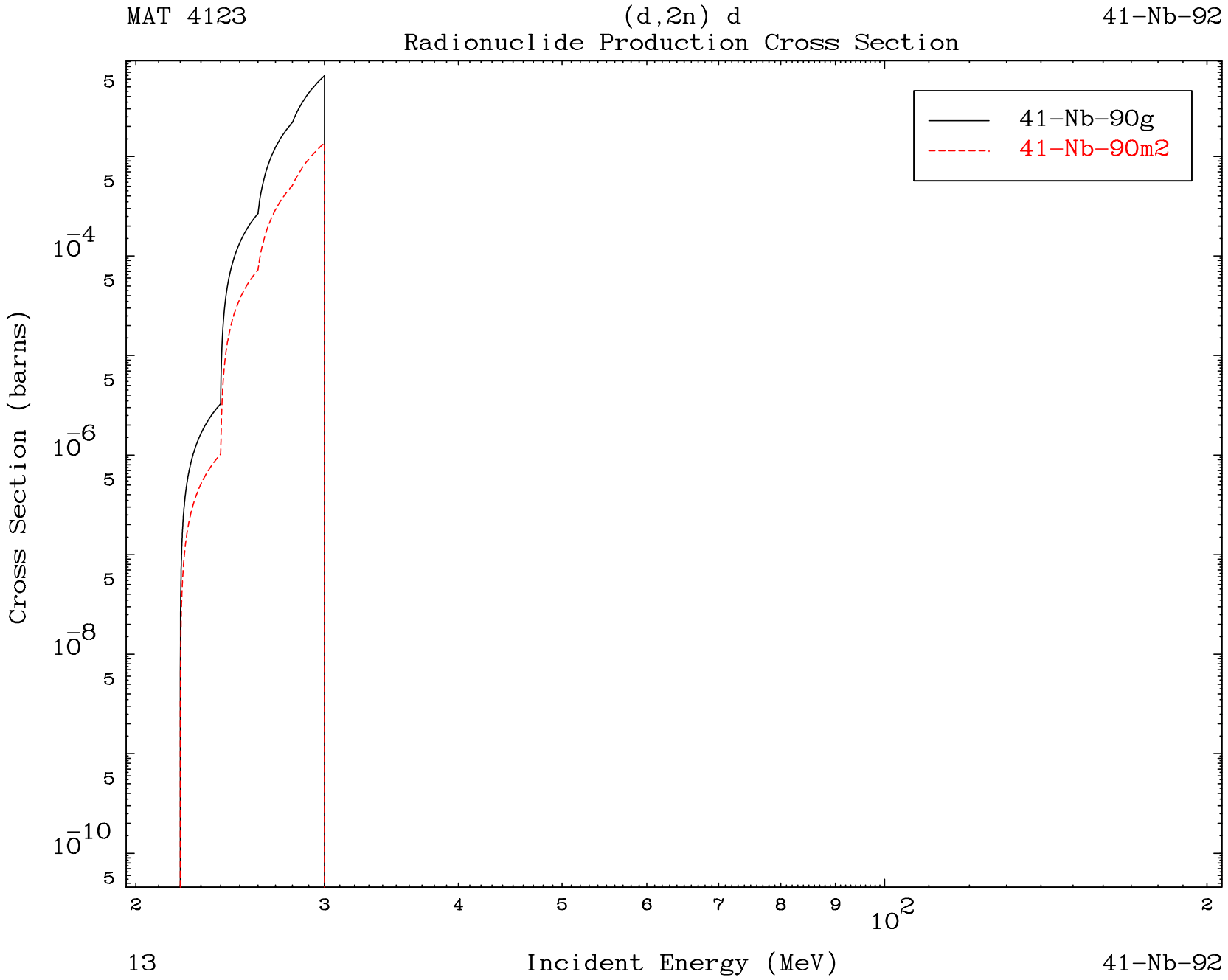

MAT 4123
(d,d) Levels
41-Nb-92
0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
Incident Energy (MeV)
8
41-Nb-92

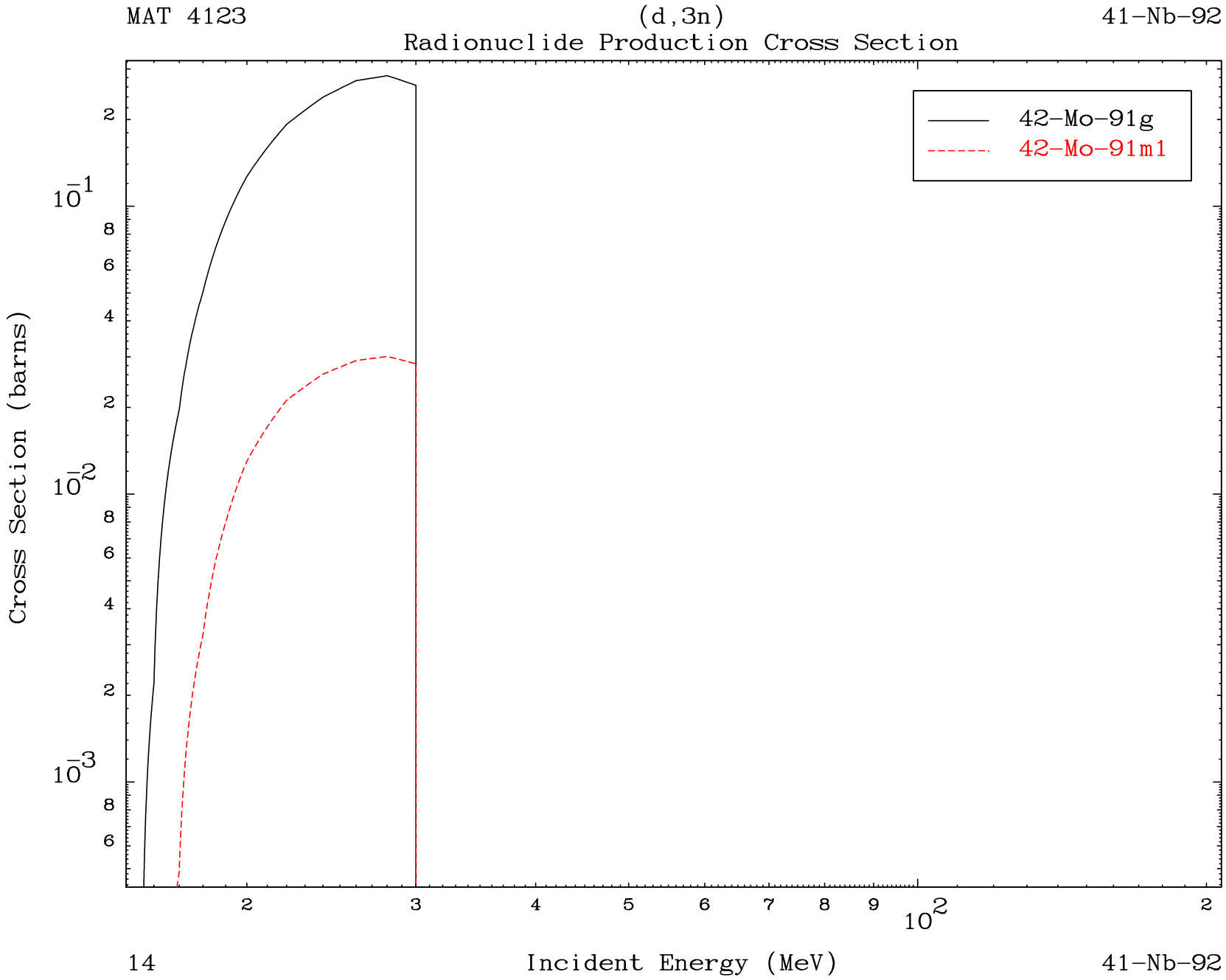

MAT 4123
(d,t) Levels
41-Nb-92
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
Incident Energy (MeV)
9
41-Nb-92

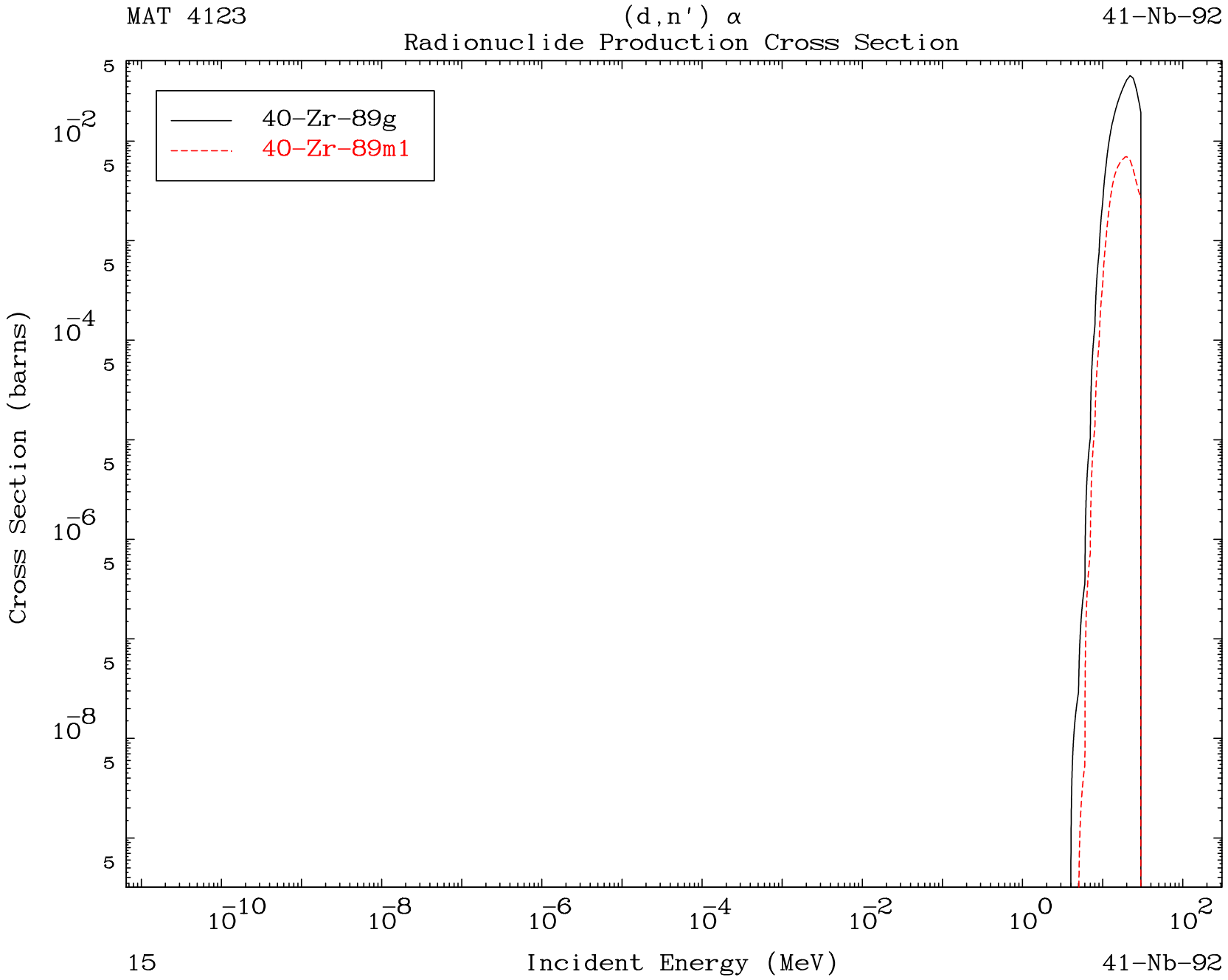

MAT 4123
(d,He3) Levels
41-Nb-92
0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
10
41-Nb-92

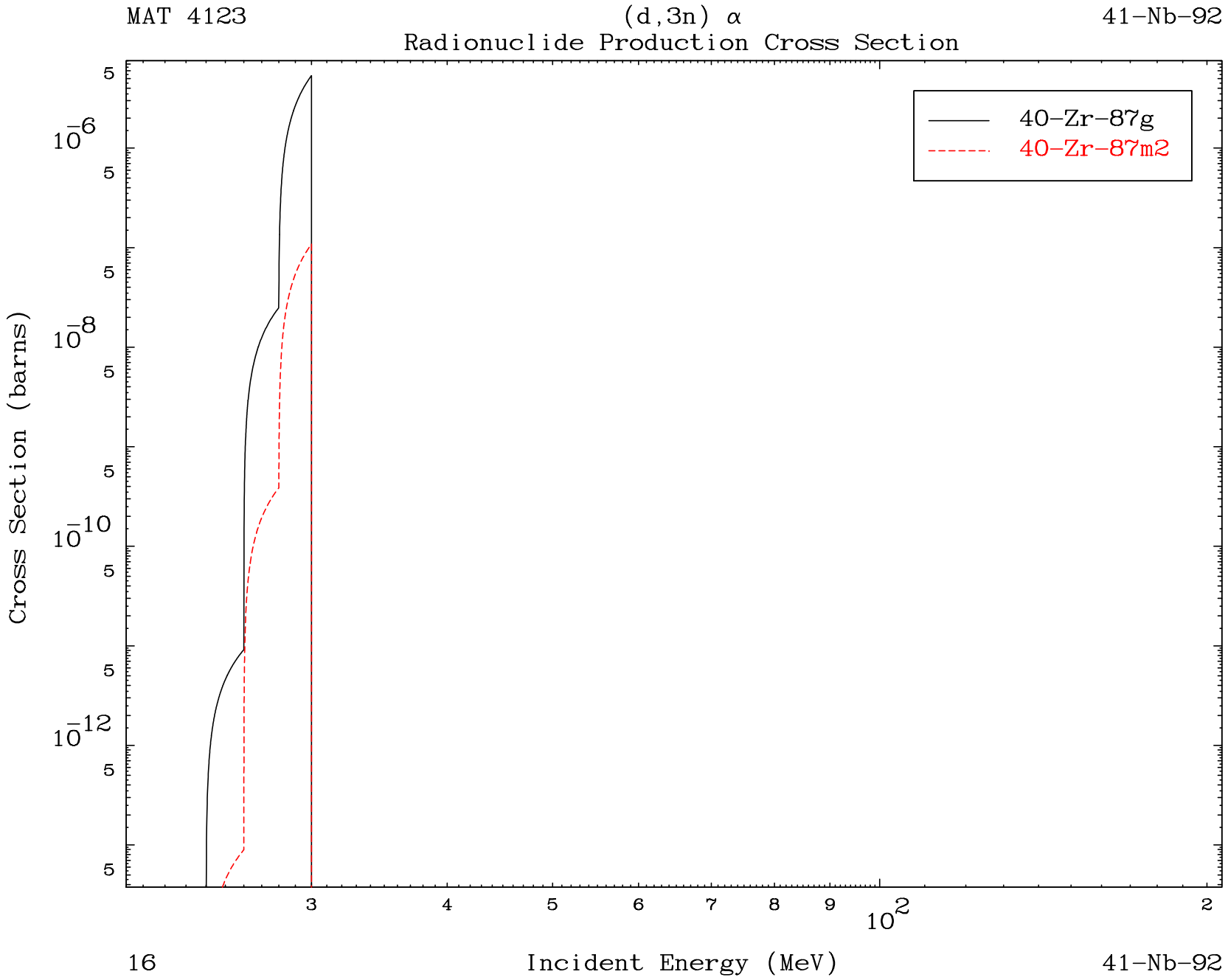

MAT 4123
(d,α) Levels
41-Nb-92
0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
Incident Energy (MeV)
11
41-Nb-92

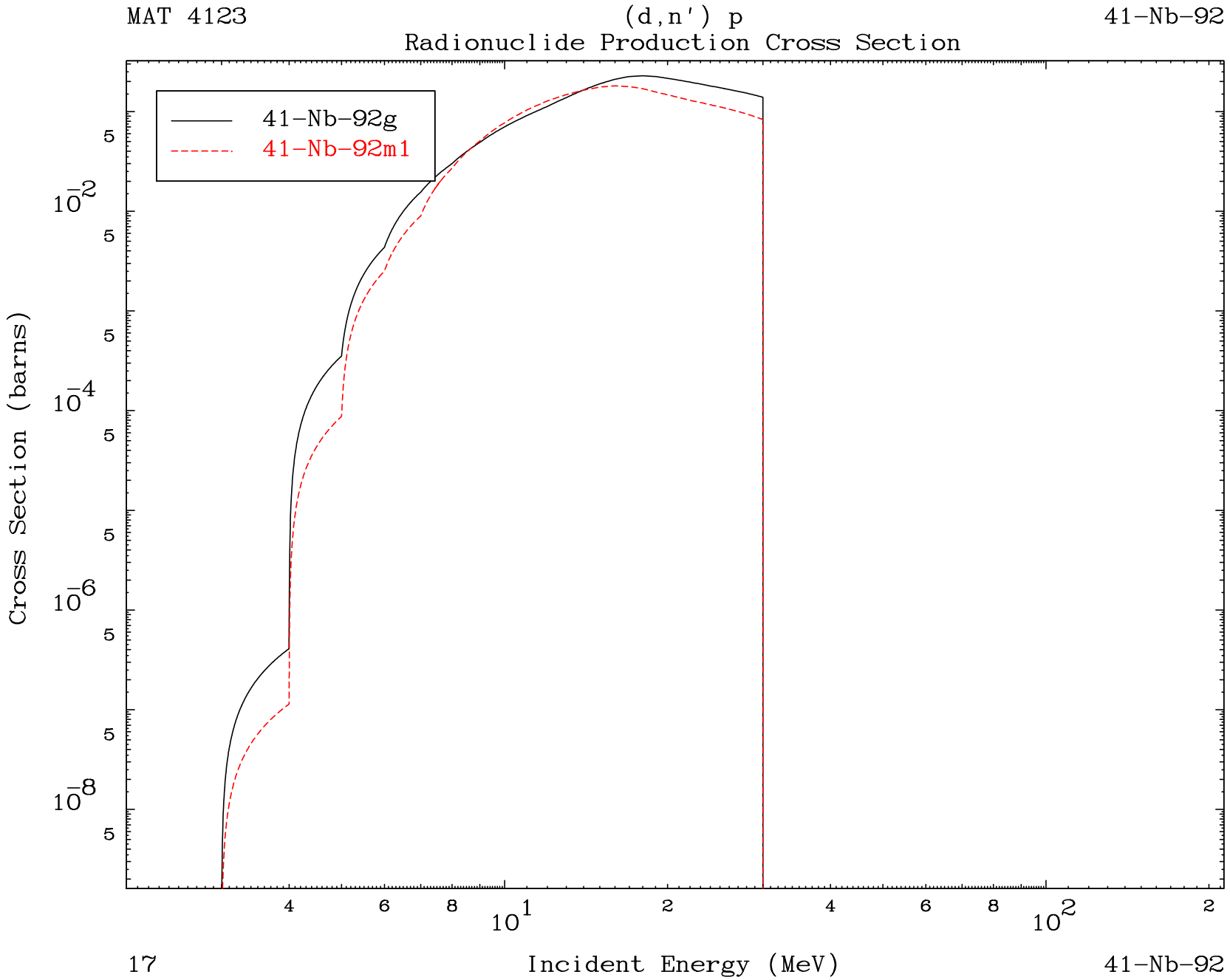

MAT 4123
Deuteron Inelastic
41-Nb-92
Radionuclide Production Cross Section
42-Mo-93g
42-Mo-93m10
Cross Section (barns)
Incident Energy (MeV)
12
41-Nb-92

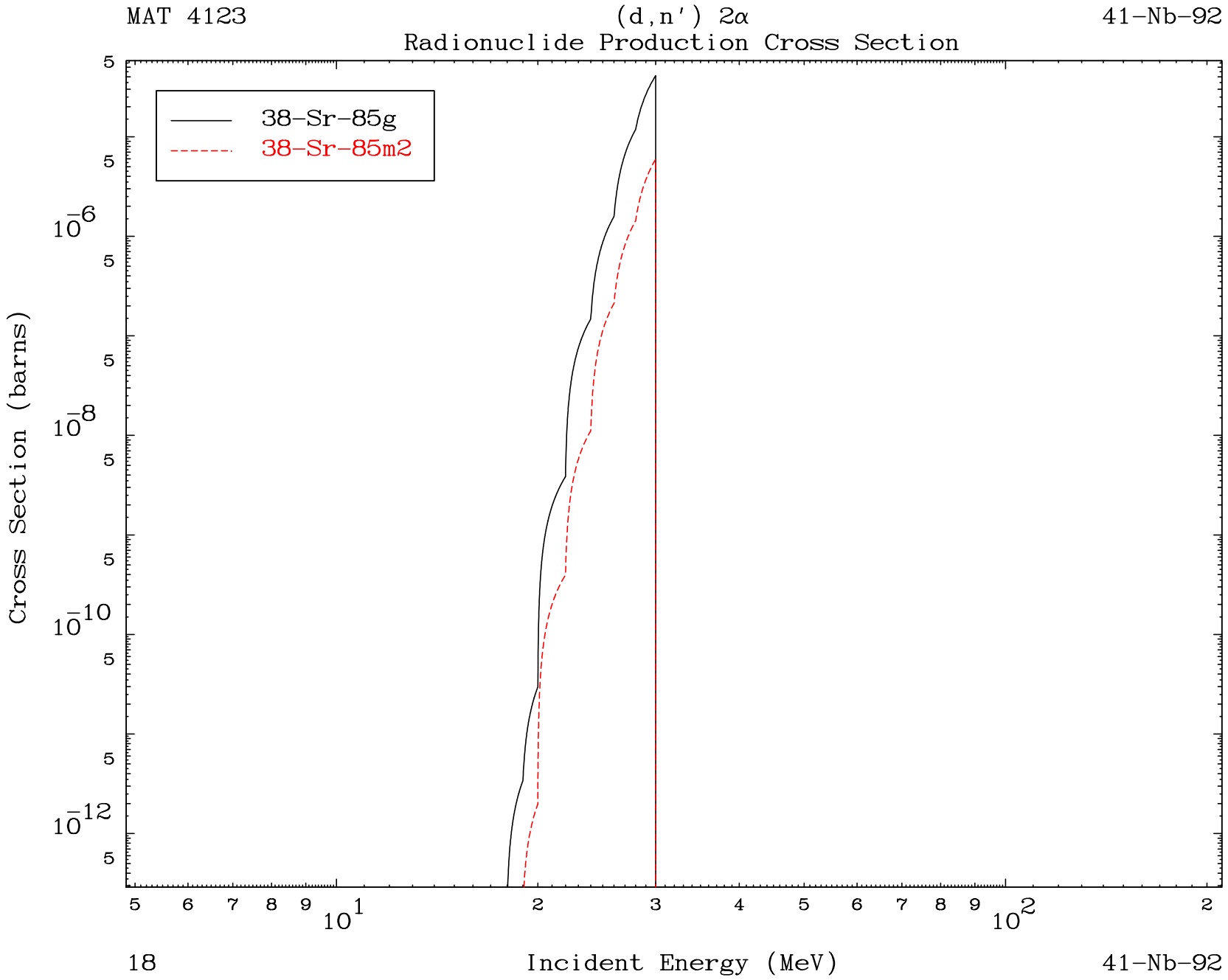

MAT 4123
(d,2n) d
41-Nb-92
Radionuclide Production Cross Section
41-Nb-90g
41-Nb-90m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
41-Nb-92

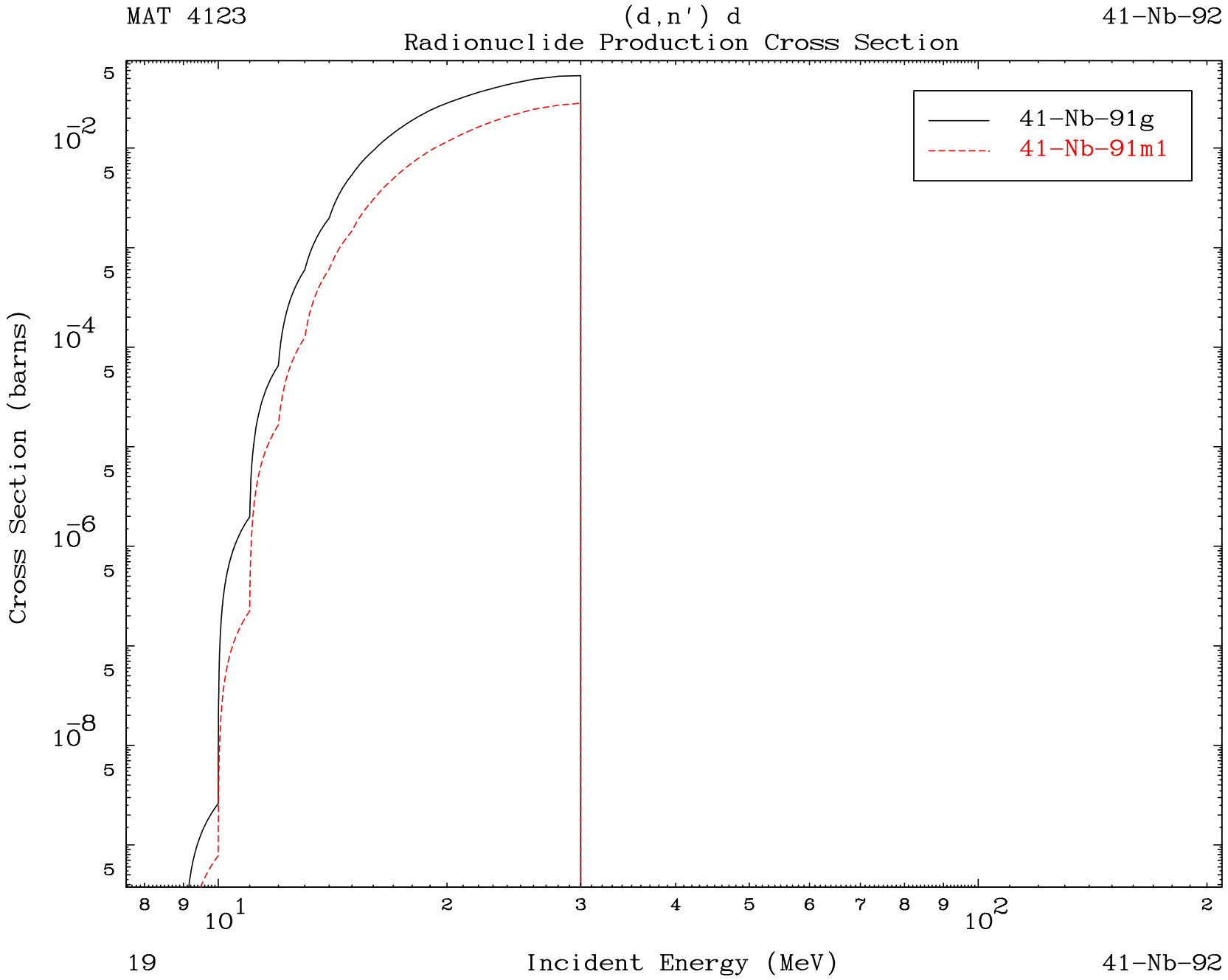

MAT 4123
(d,3n)
41-Nb-92
Radionuclide Production Cross Section
42-Mo-91g
42-Mo-91m1
Cross Section (barns)
Incident Energy (MeV)
14
41-Nb-92

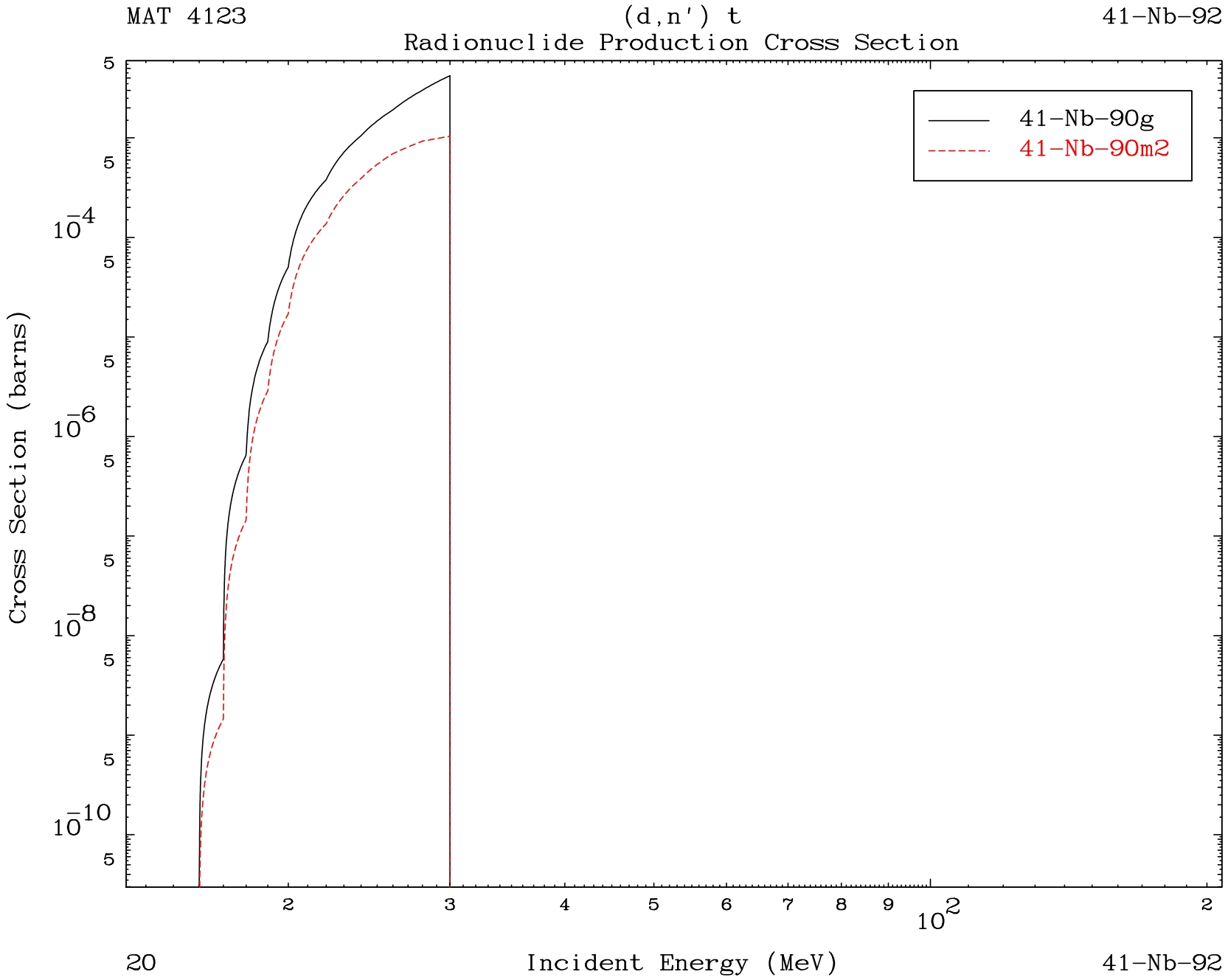

MAT 4123
(d,n') α
41-Nb-92
Radionuclide Production Cross Section
40-Zr-89g
40-Zr-89m1
Cross Section (barns)
Incident Energy (MeV)
15
41-Nb-92

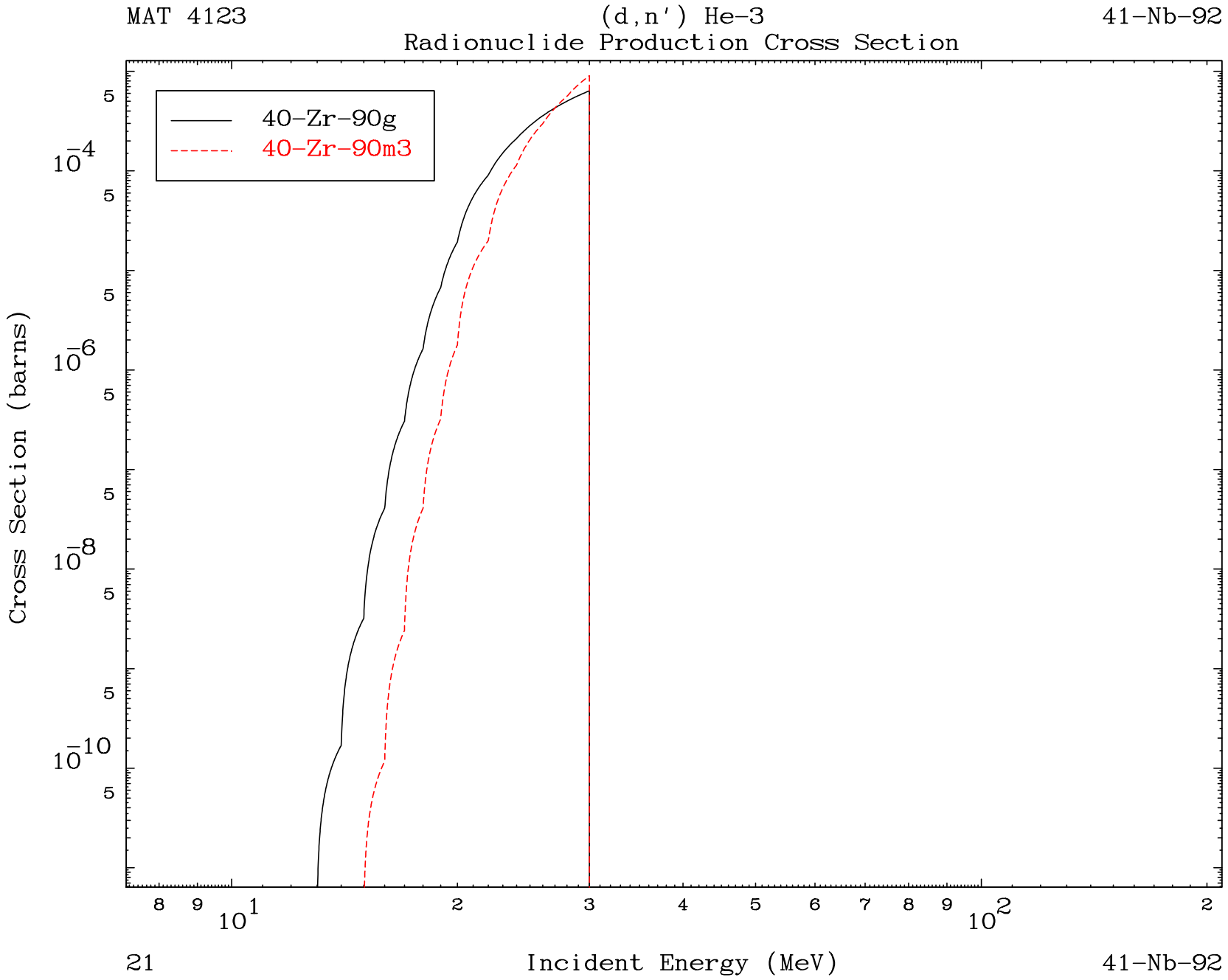

MAT 4123
(d,3n) α
41-Nb-92
Radionuclide Production Cross Section
40-Zr-87g
40-Zr-87m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
41-Nb-92

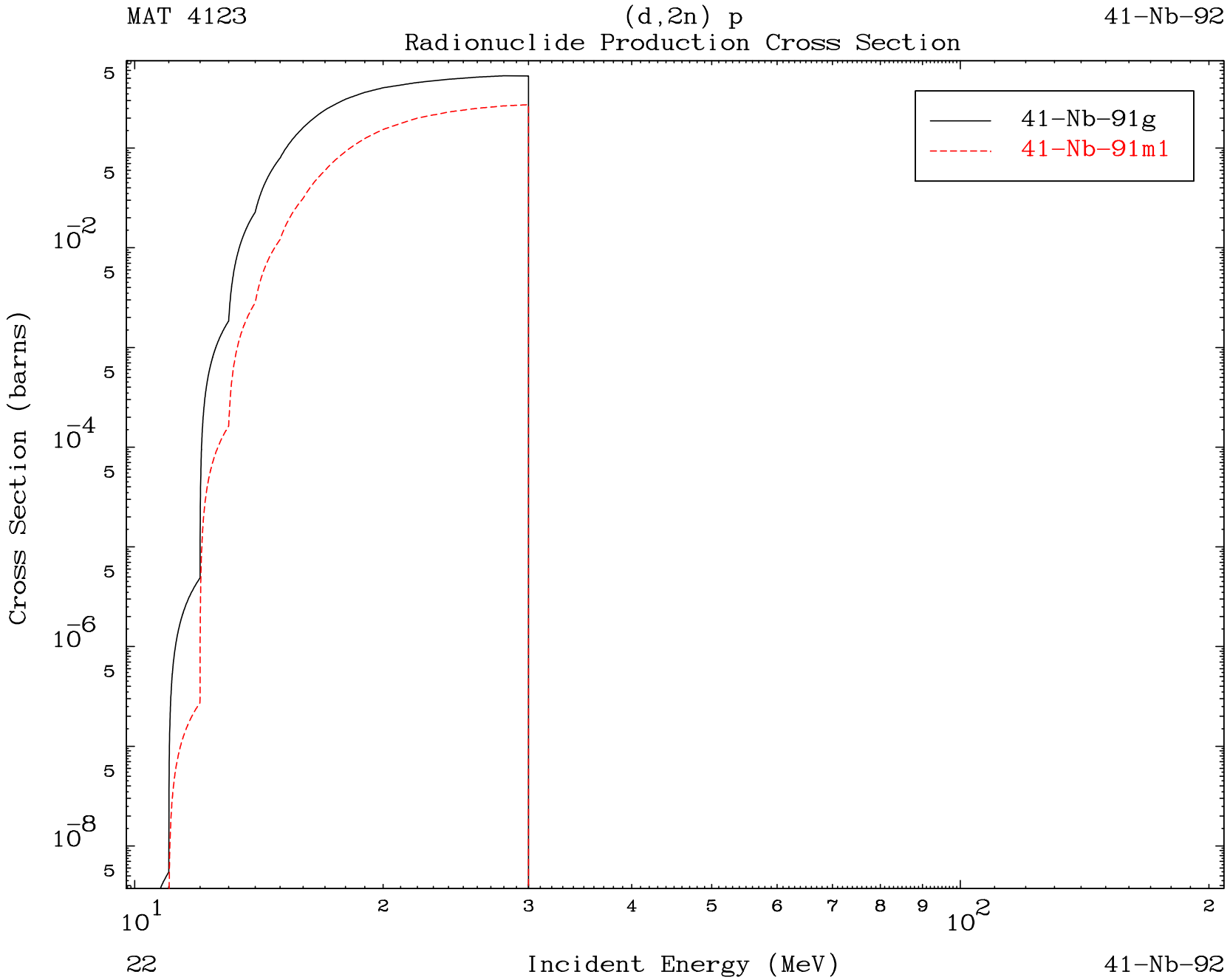

MAT 4123
(d,n') p
41-Nb-92
Radionuclide Production Cross Section
41-Nb-92g
41-Nb-92m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4
6
8
10 1
2
4
6
8
10 2
2
17
Incident Energy (MeV)
41-Nb-92

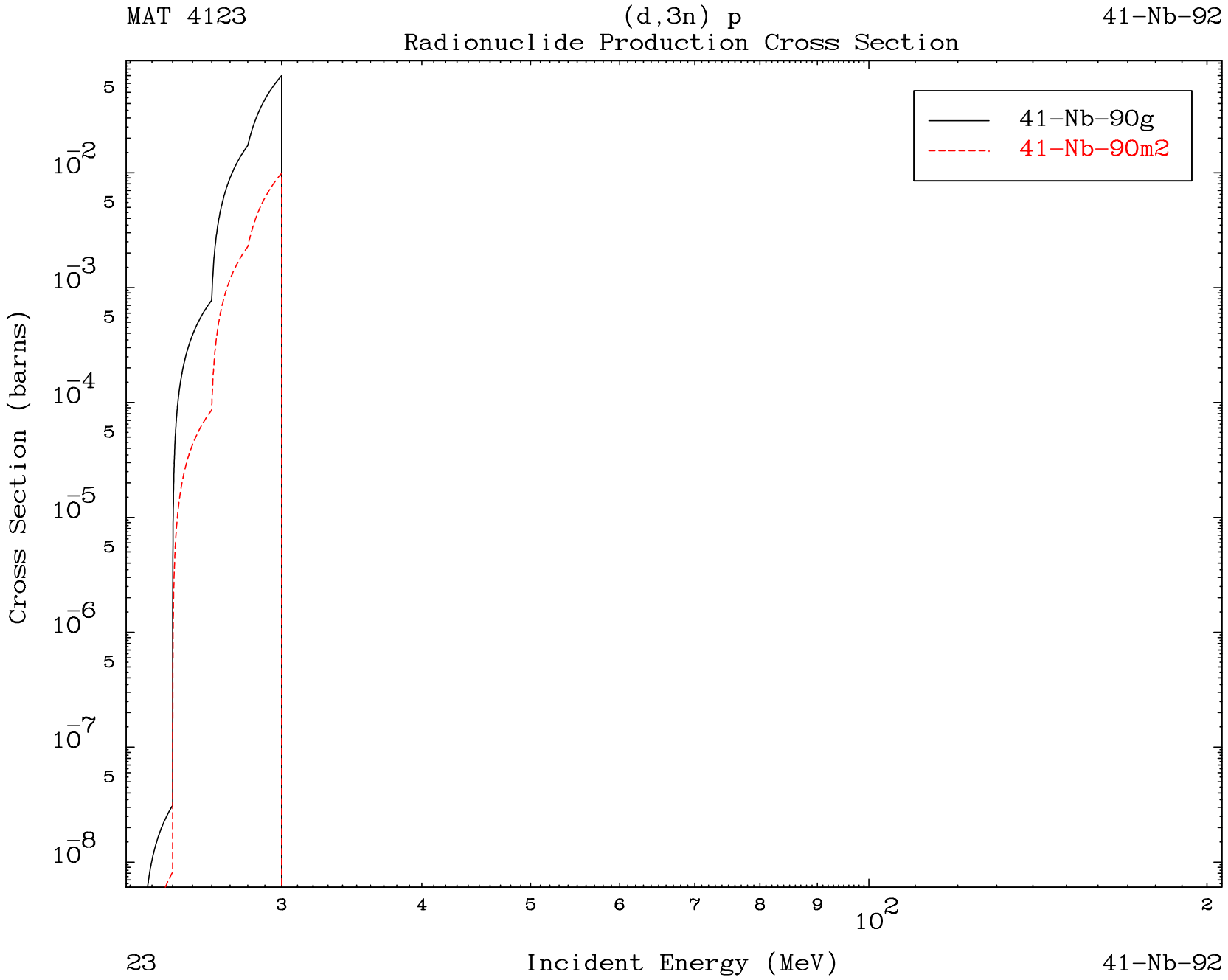

MAT 4123
(d,n') 2α
41-Nb-92
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
Incident Energy (MeV)
18
41-Nb-92

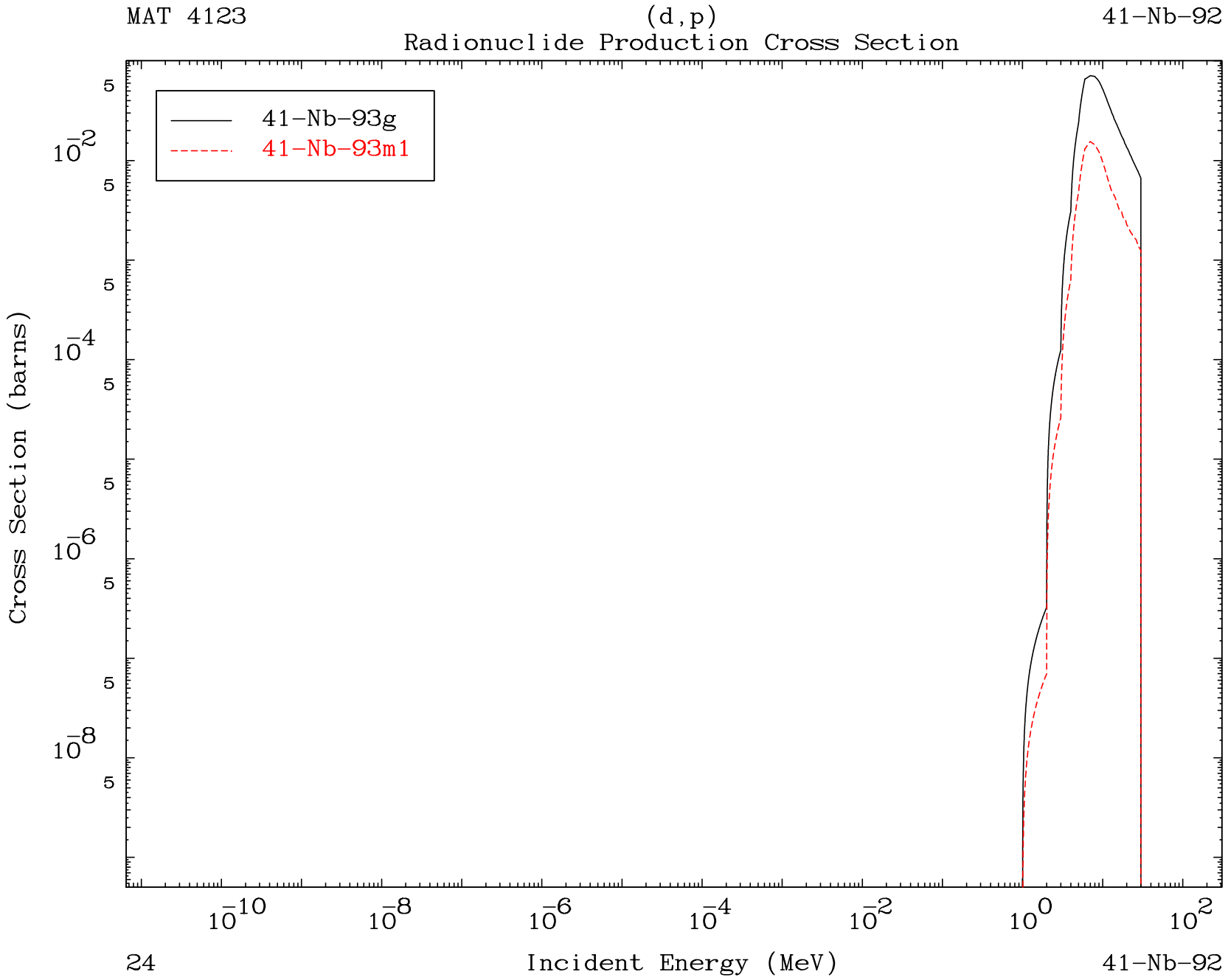

MAT 4123
(d,n') d
41-Nb-92
Radionuclide Production Cross Section
41-Nb-91g
41-Nb-91m1
Cross Section (barns)
Incident Energy (MeV)
19
41-Nb-92

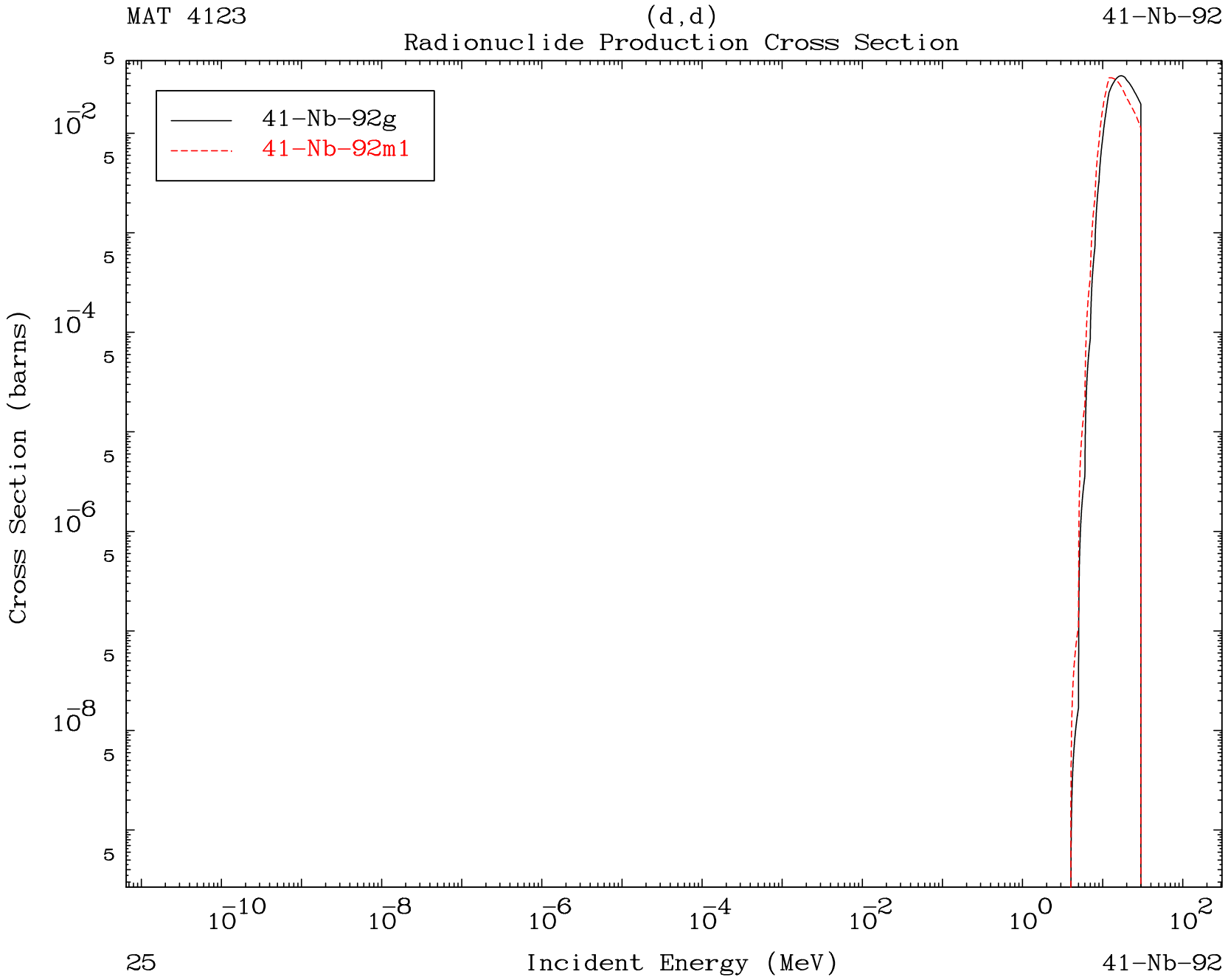

MAT 4123
(d,n') t
41-Nb-92
Radionuclide Production Cross Section
41-Nb-90g
41-Nb-90m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
20
Incident Energy (MeV)
41-Nb-92

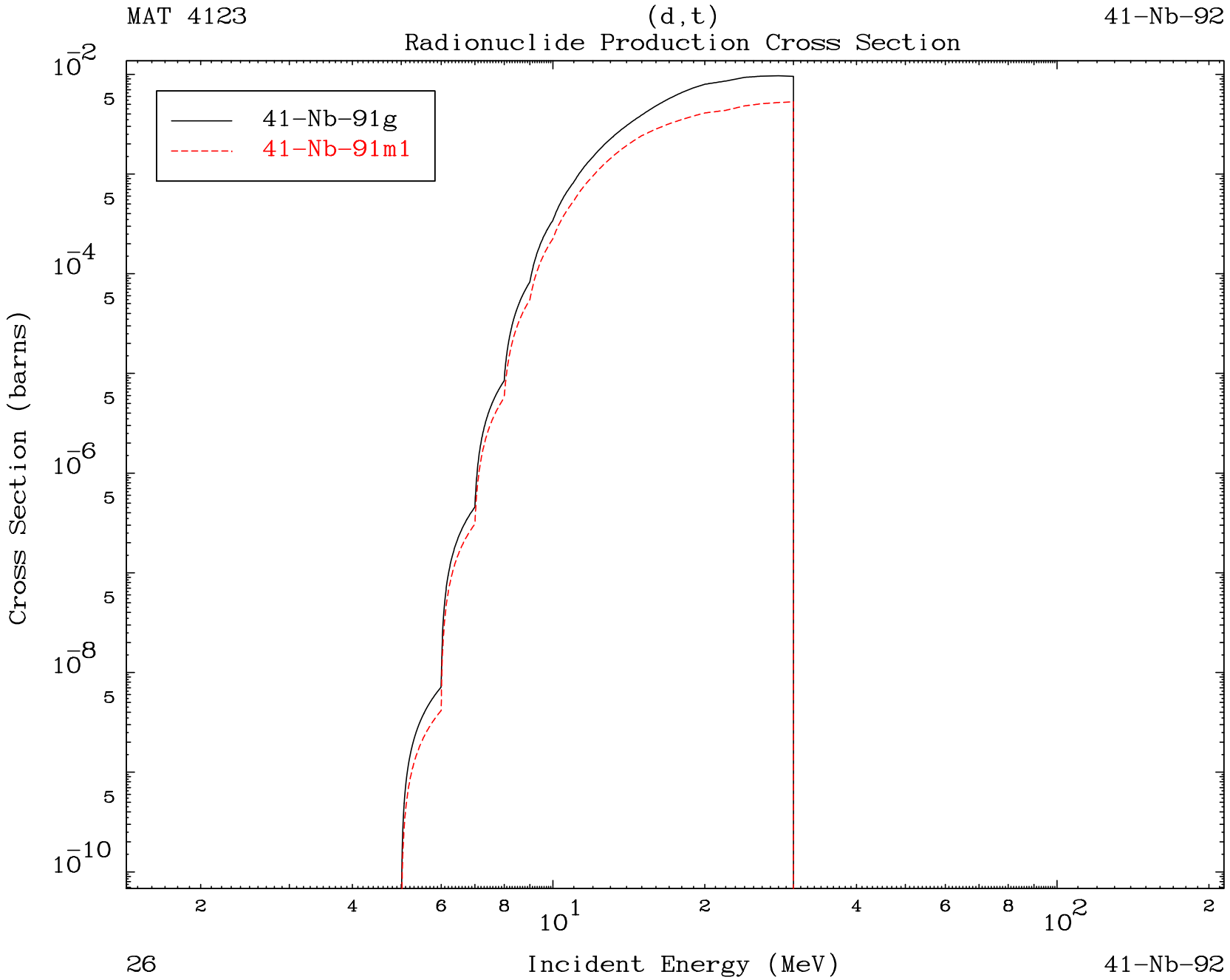

MAT 4123
(d,n') He-3
41-Nb-92
Radionuclide Production Cross Section
40-Zr-90g
40-Zr-90m3
Cross Section (barns)
10-4
10-6
10-8
10-10
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
21
41-Nb-92

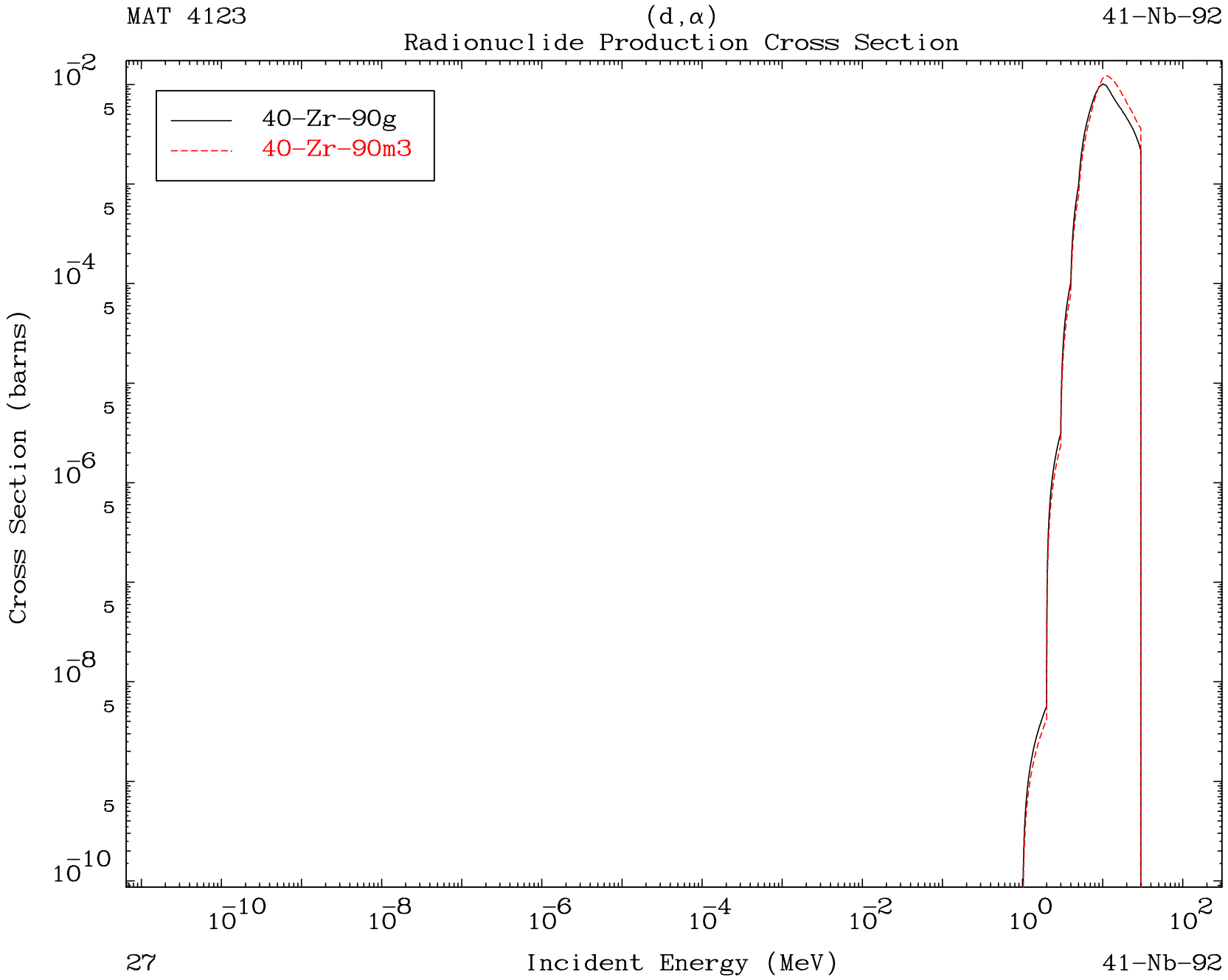

MAT 4123
(d,2n) p
41-Nb-92
Radionuclide Production Cross Section
41-Nb-91g
41-Nb-91m1
Cross Section (barns)
Incident Energy (MeV)
22
41-Nb-92

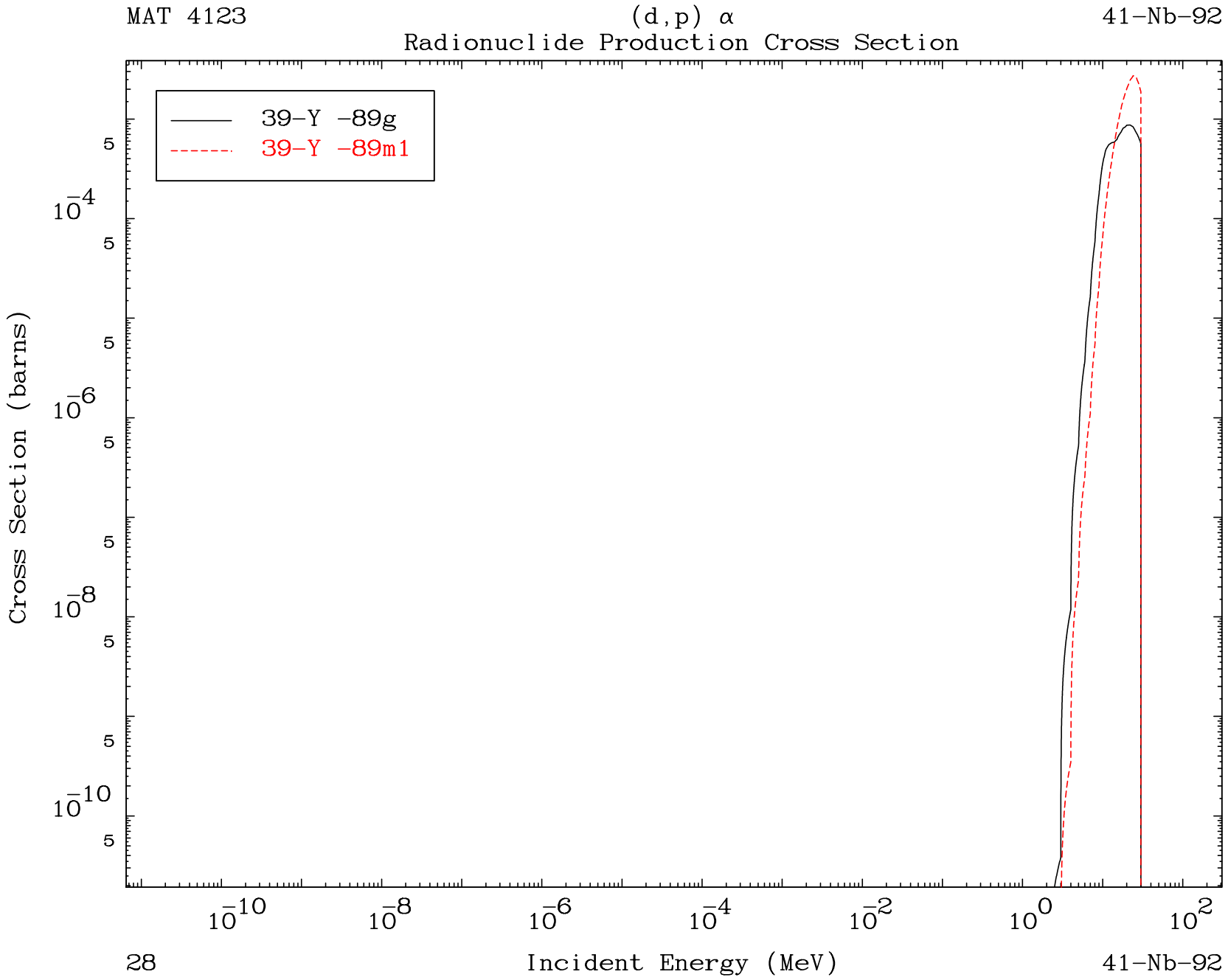

MAT 4123
(d,3n) p
41-Nb-92
Radionuclide Production Cross Section
41-Nb-90g
41-Nb-90m2
Cross Section (barns)
Incident Energy (MeV)
23
41-Nb-92

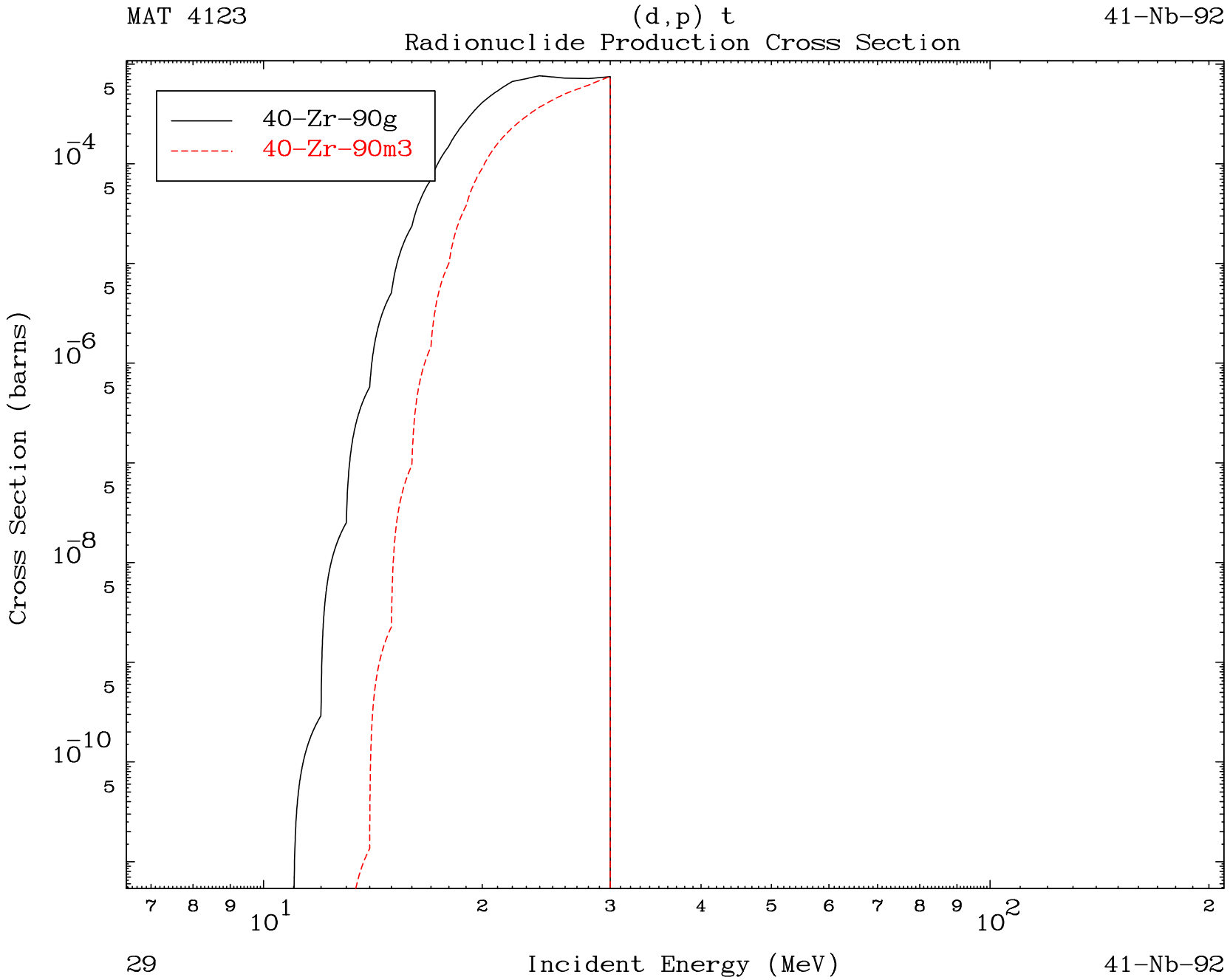

MAT 4123
(d,p)
41-Nb-92
Radionuclide Production Cross Section
41-Nb-93g
41-Nb-93m1
Cross Section (barns)
Incident Energy (MeV)
24
41-Nb-92


MAT 4123
(d,d)
41-Nb-92
Radionuclide Production Cross Section
41-Nb-92g
41-Nb-92m1
Cross Section (barns)
Incident Energy (MeV)
25
41-Nb-92


MAT 4123
(d,t)
41-Nb-92
Radionuclide Production Cross Section
41-Nb-91g
41-Nb-91m1
Cross Section (barns)
Incident Energy (MeV)
26
41-Nb-92


MAT 4123
(d,α)
41-Nb-92
Radionuclide Production Cross Section
40-Zr-90g
40-Zr-90m3
Cross Section (barns)
Incident Energy (MeV)
27
41-Nb-92


MAT 4123
(d,p) α
41-Nb-92
Radionuclide Production Cross Section
39-Y -89g
39-Y -89m1
Cross Section (barns)
Incident Energy (MeV)
28
41-Nb-92


MAT 4123
(d,p) t
41-Nb-92
Radionuclide Production Cross Section
40-Zr-90g
40-Zr-90m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
29
Incident Energy (MeV)
41-Nb-92