Program EVALPLOT
(Version 2018-1)
by
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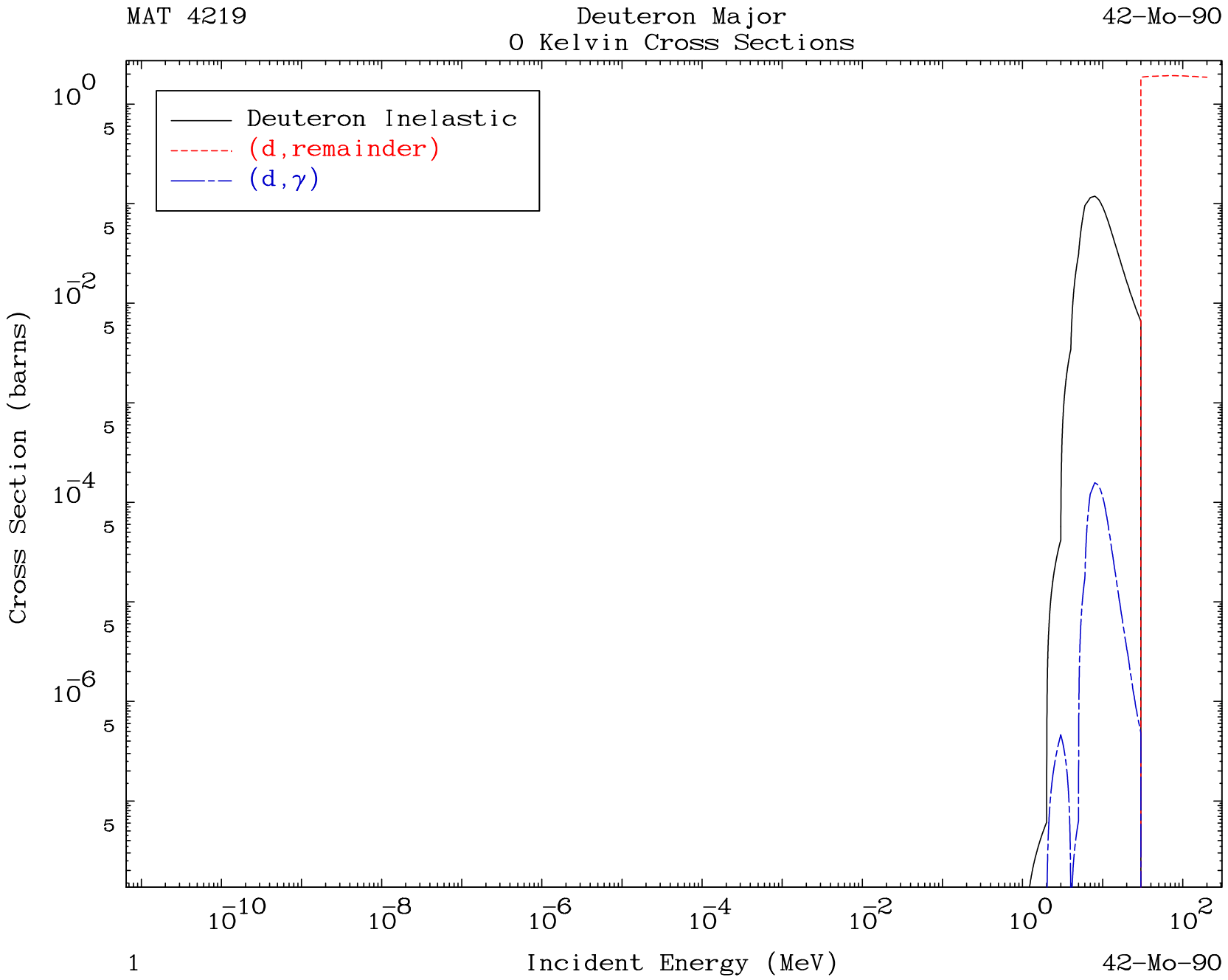
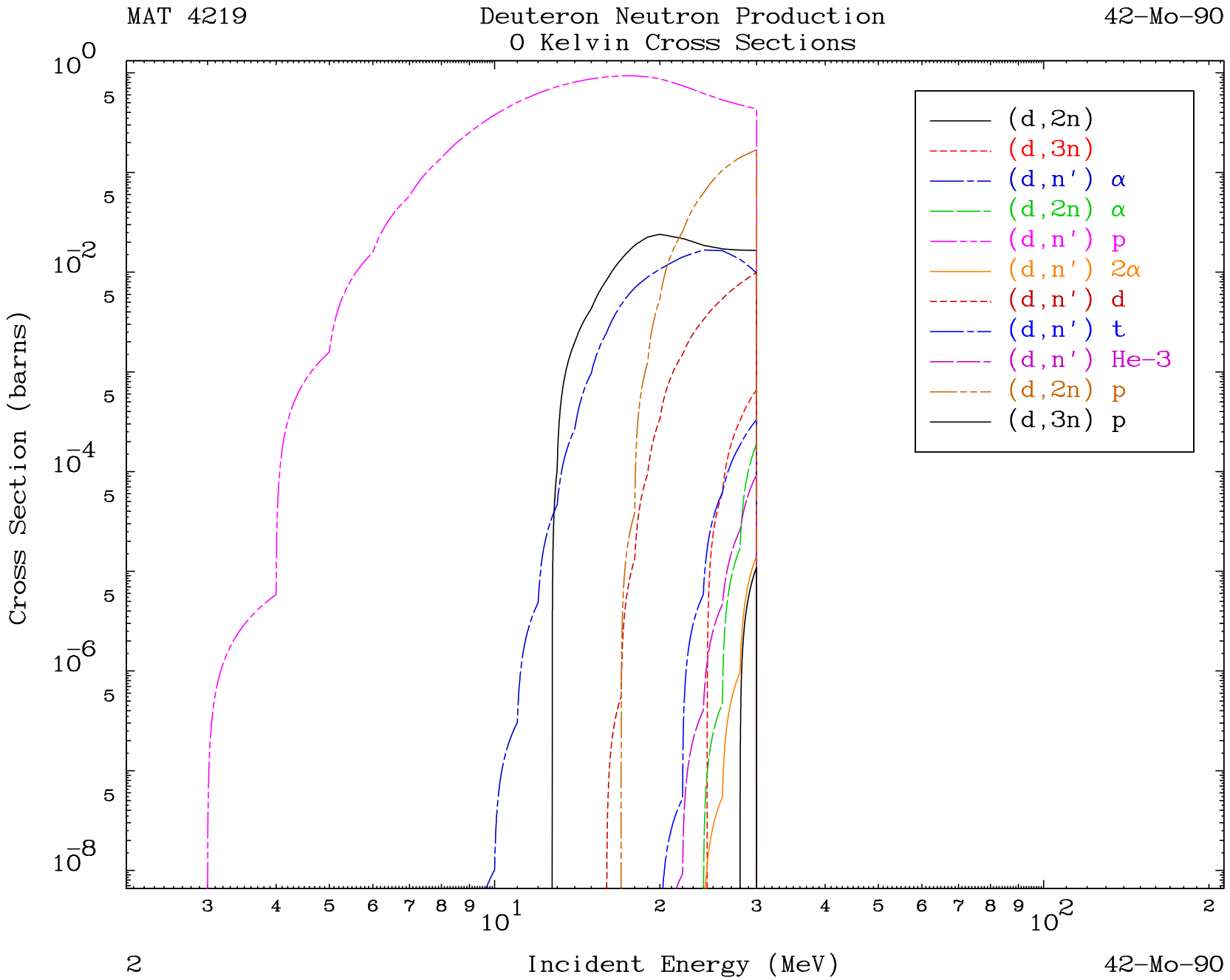
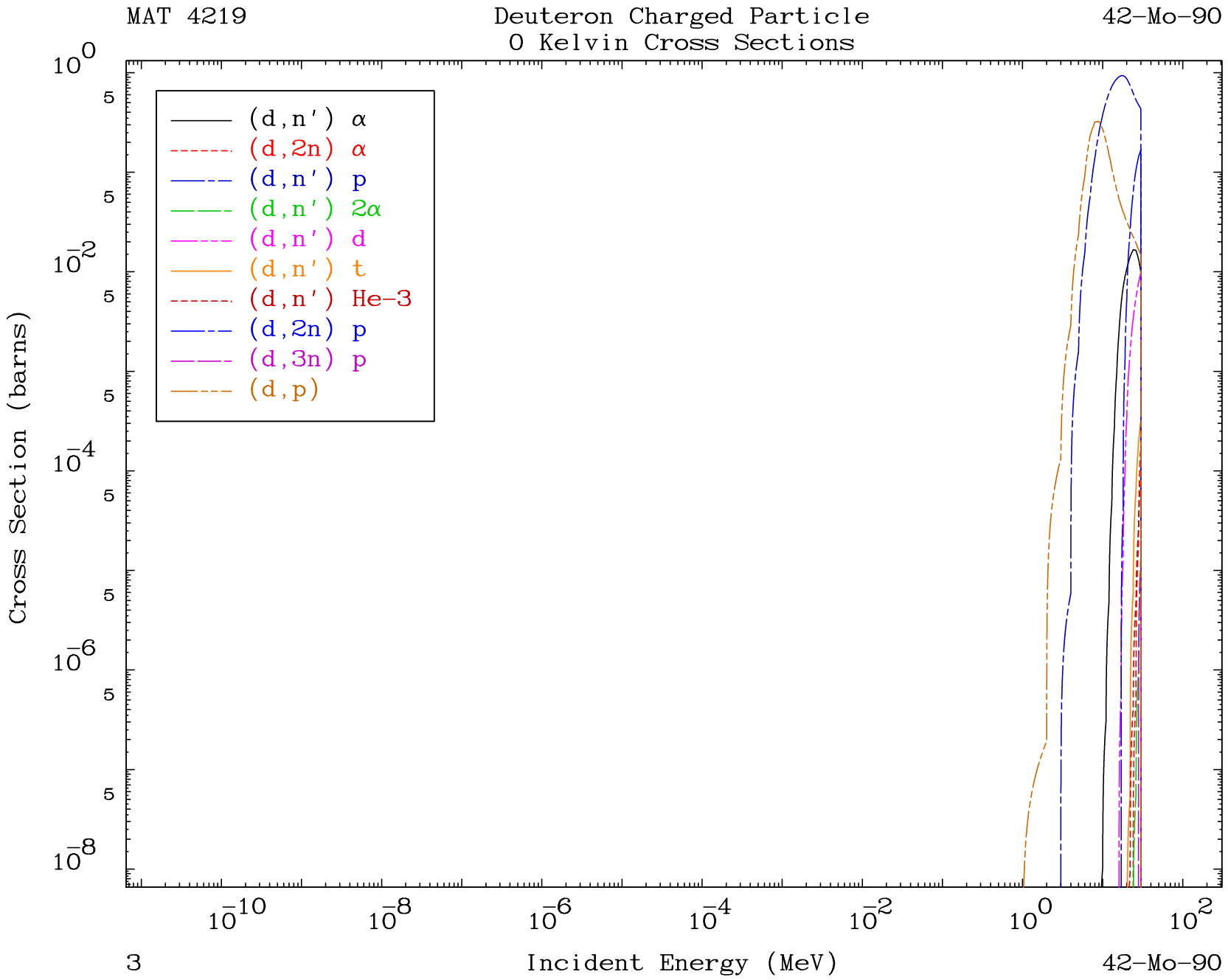
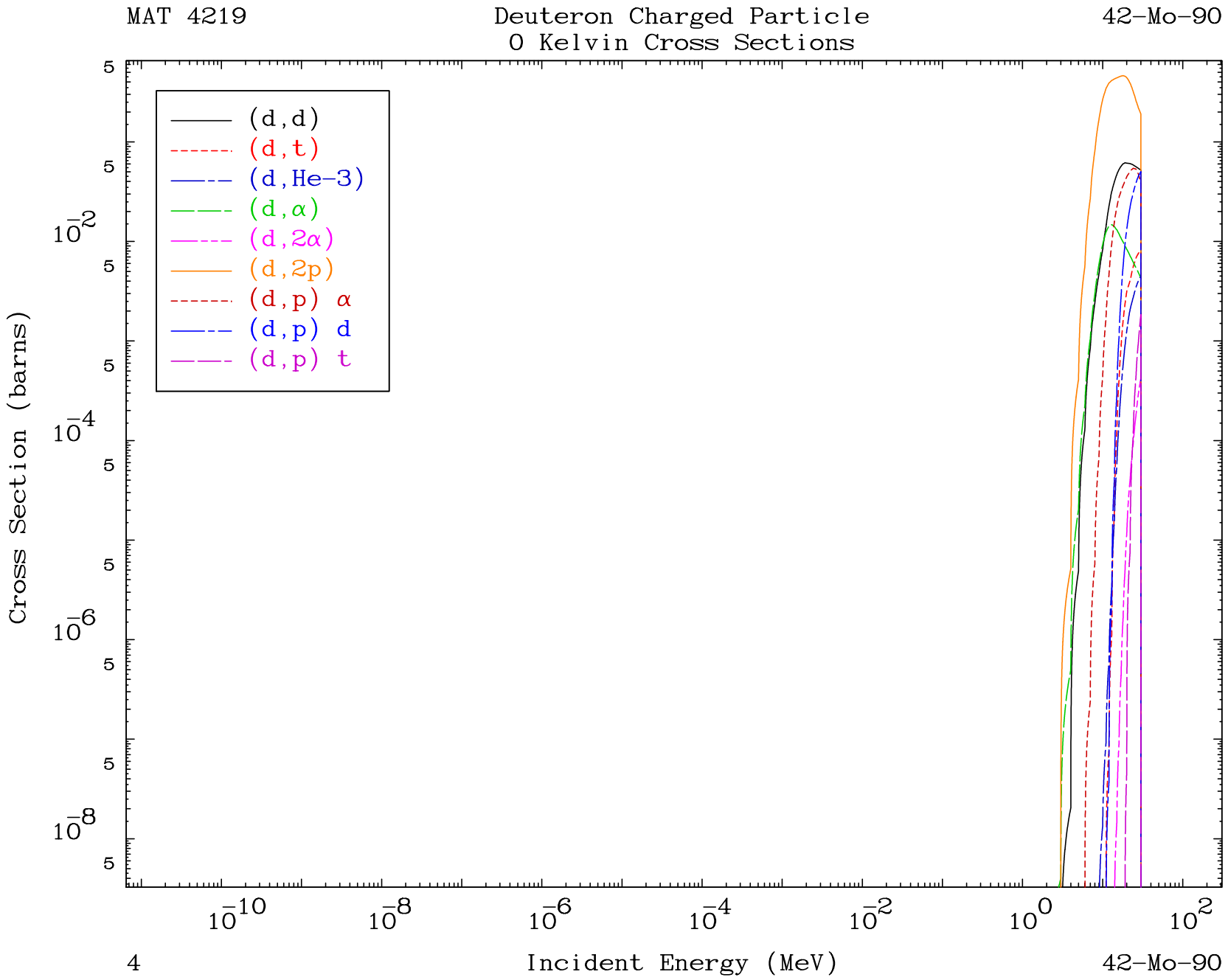
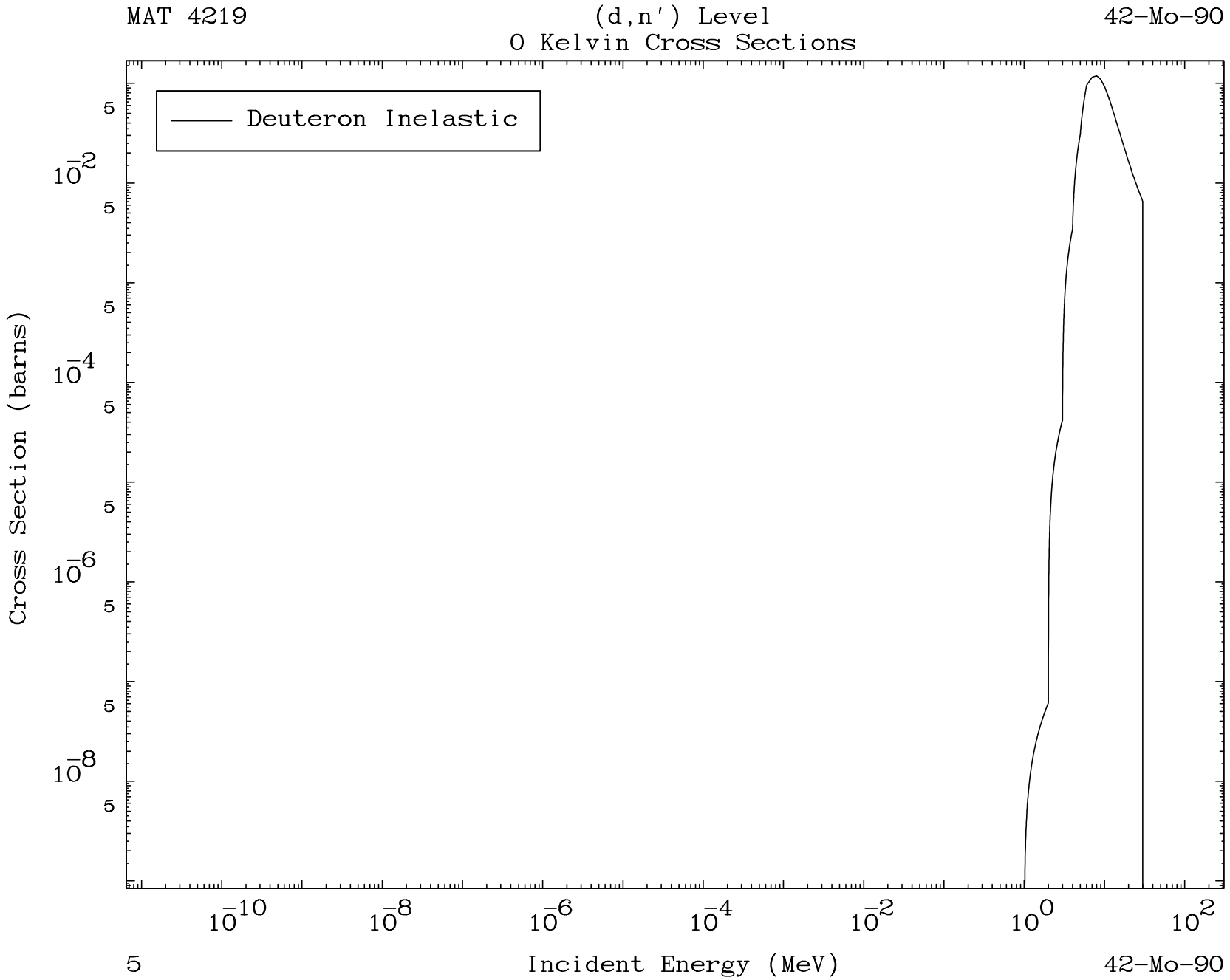
Press Mouse Button to Start

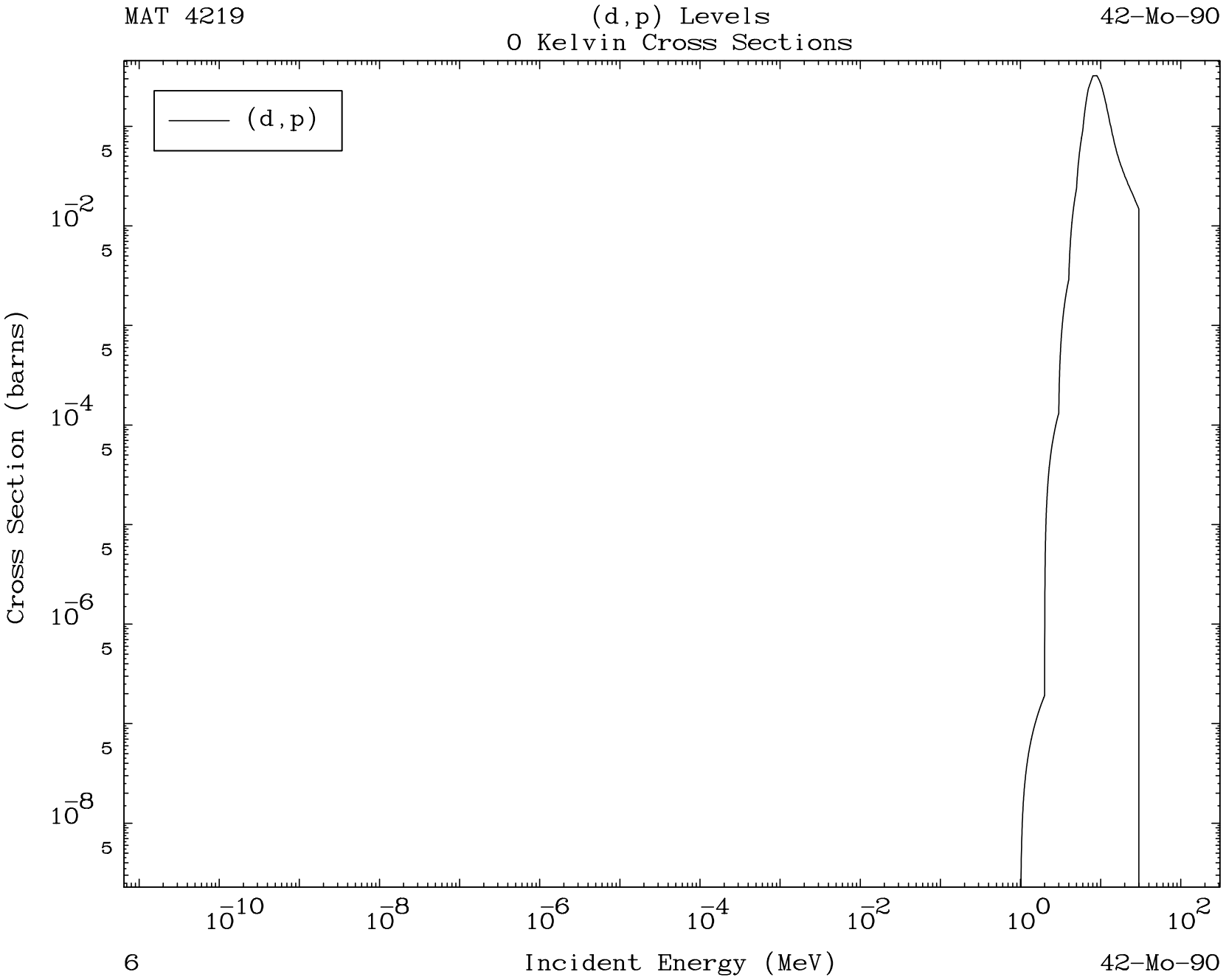

MAT 4219
Deuteron Major
42-Mo-90
0 Kelvin Cross Sections
Deuteron Inelastic
(d,remainder)
(d,γ)
Cross Section (barns)
Incident Energy (MeV)
1
42-Mo-90

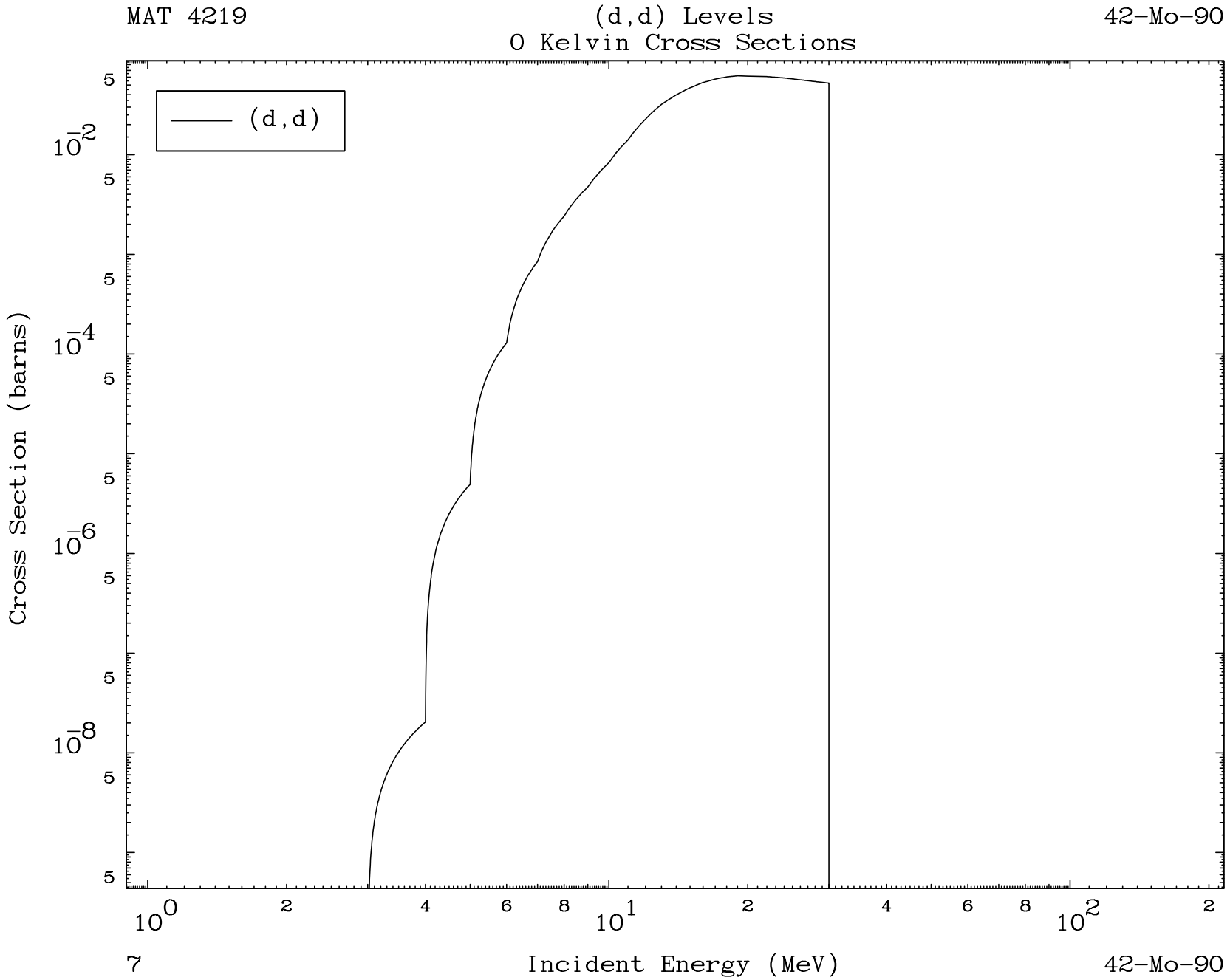

MAT 4219
Deuteron Neutron Production
0 Kelvin Cross Sections
42-Mo-90
Cross Section (barns)
Incident Energy (MeV)
42-Mo-90
(d,2n)
(d,3n)
(d,n') α
(d,2n) α
(d,n') p
(d,n') 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,2n) p
(d,3n) p

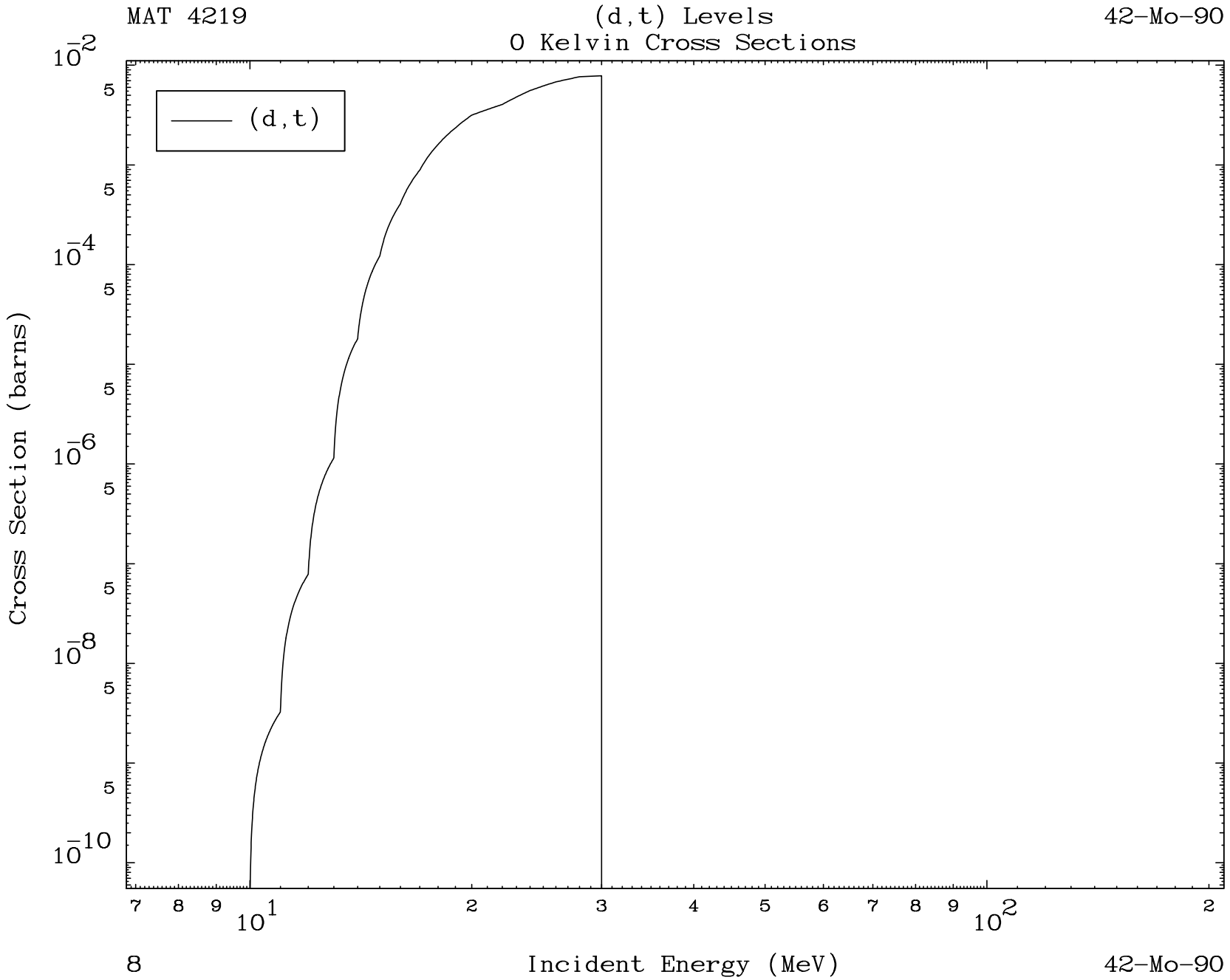

MAT 4219
Deuteron Charged Particle
0 Kelvin Cross Sections
42-Mo-90
(d,n') α
(d,2n) α
(d,n') p
(d,n') 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,2n) p
(d,3n) p
(d,p)
Cross Section (barns)
Incident Energy (MeV)
3
42-Mo-90

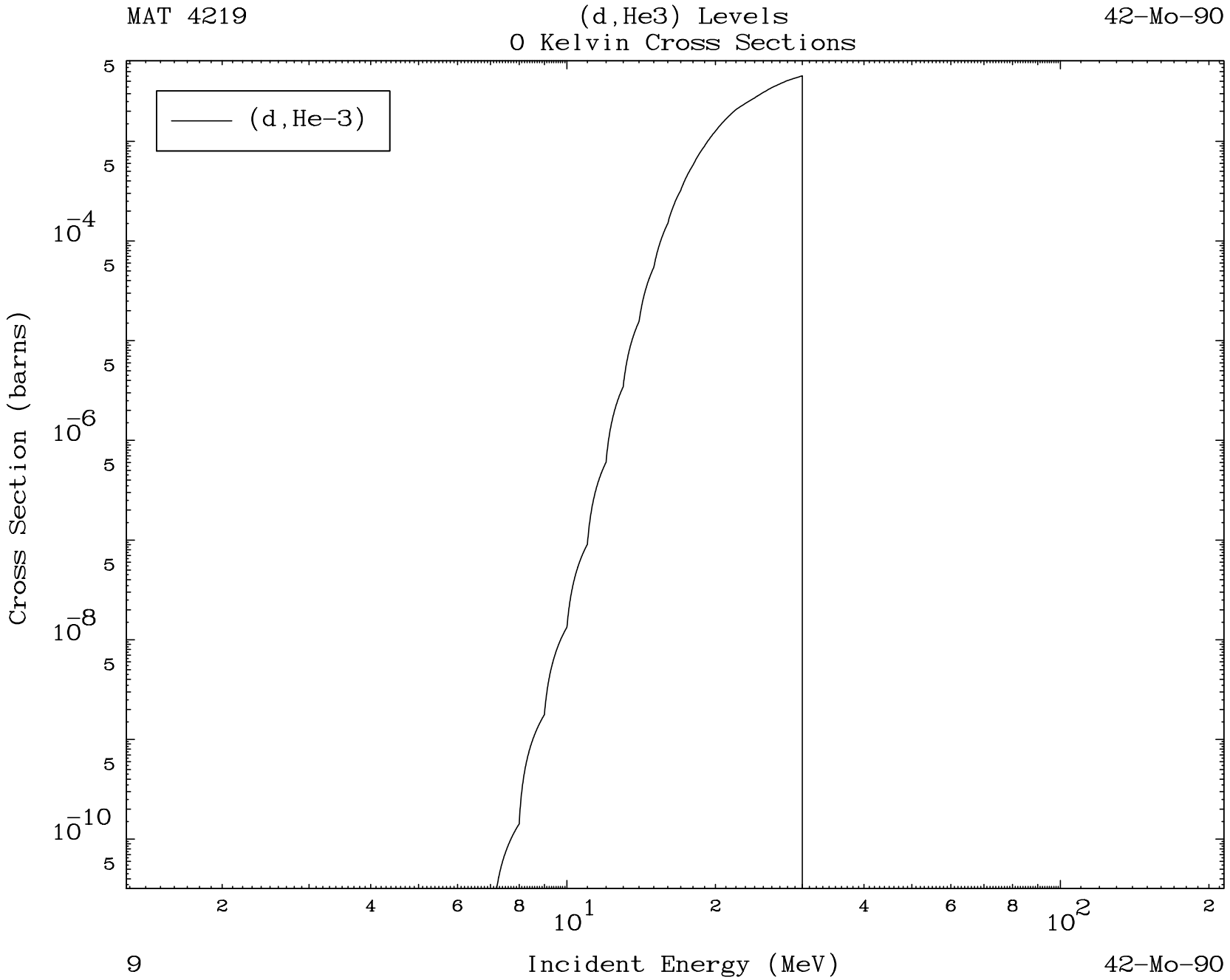

MAT 4219
Deuteron Charged Particle
0 Kelvin Cross Sections
42-Mo-90
(d,d)
(d,t)
(d,He-3)
(d,α)
(d,2α)
(d,2p)
(d,p) α
(d,p) d
(d,p) t
Cross Section (barns)
Incident Energy (MeV)
4
42-Mo-90

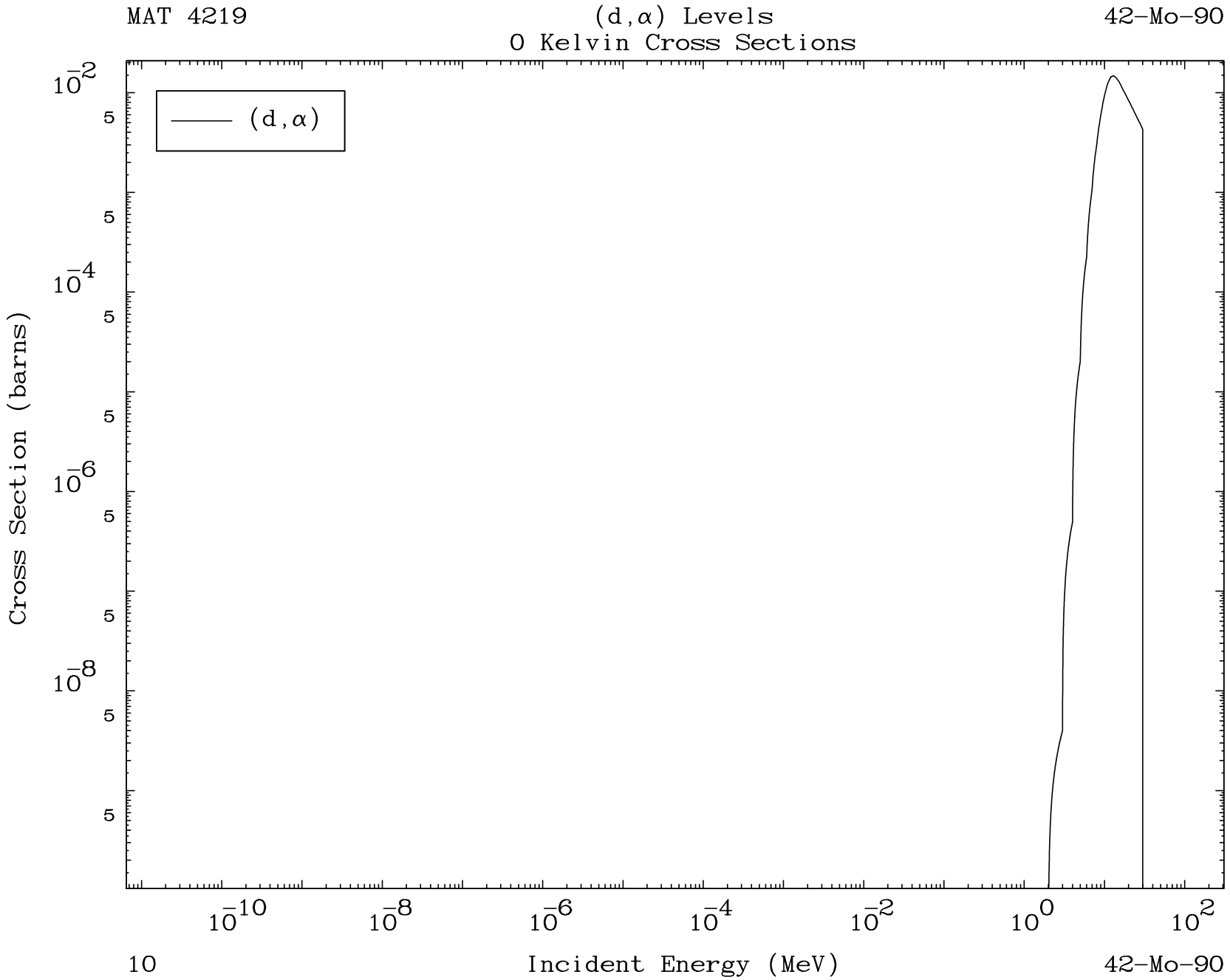

MAT 4219
(d,n') Level
42-Mo-90
0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
10-8
10-6
10-4
10-2
100
102
5
Incident Energy (MeV)
42-Mo-90

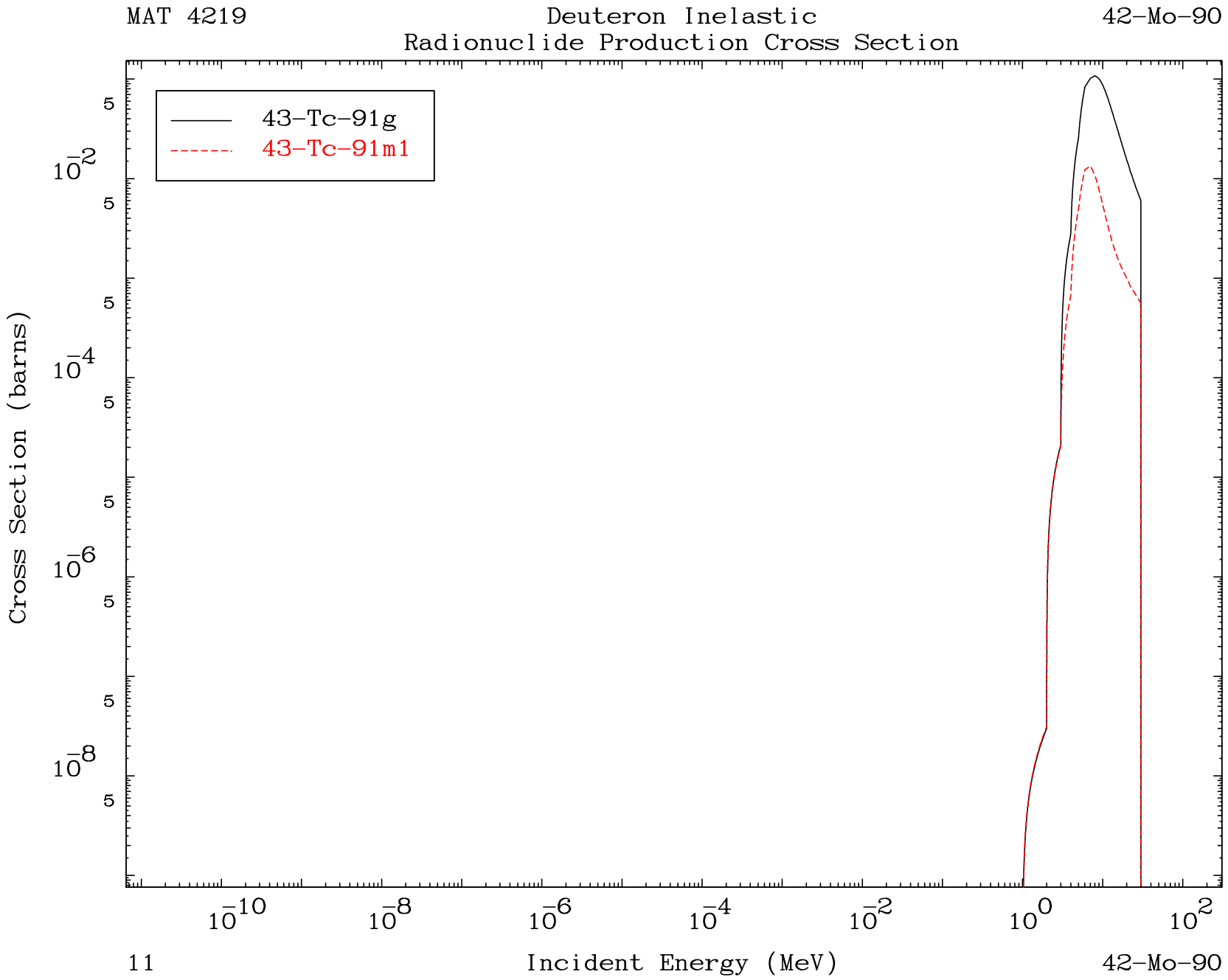

MAT 4219
(d,p) Levels
42-Mo-90
0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
Incident Energy (MeV)
6
42-Mo-90

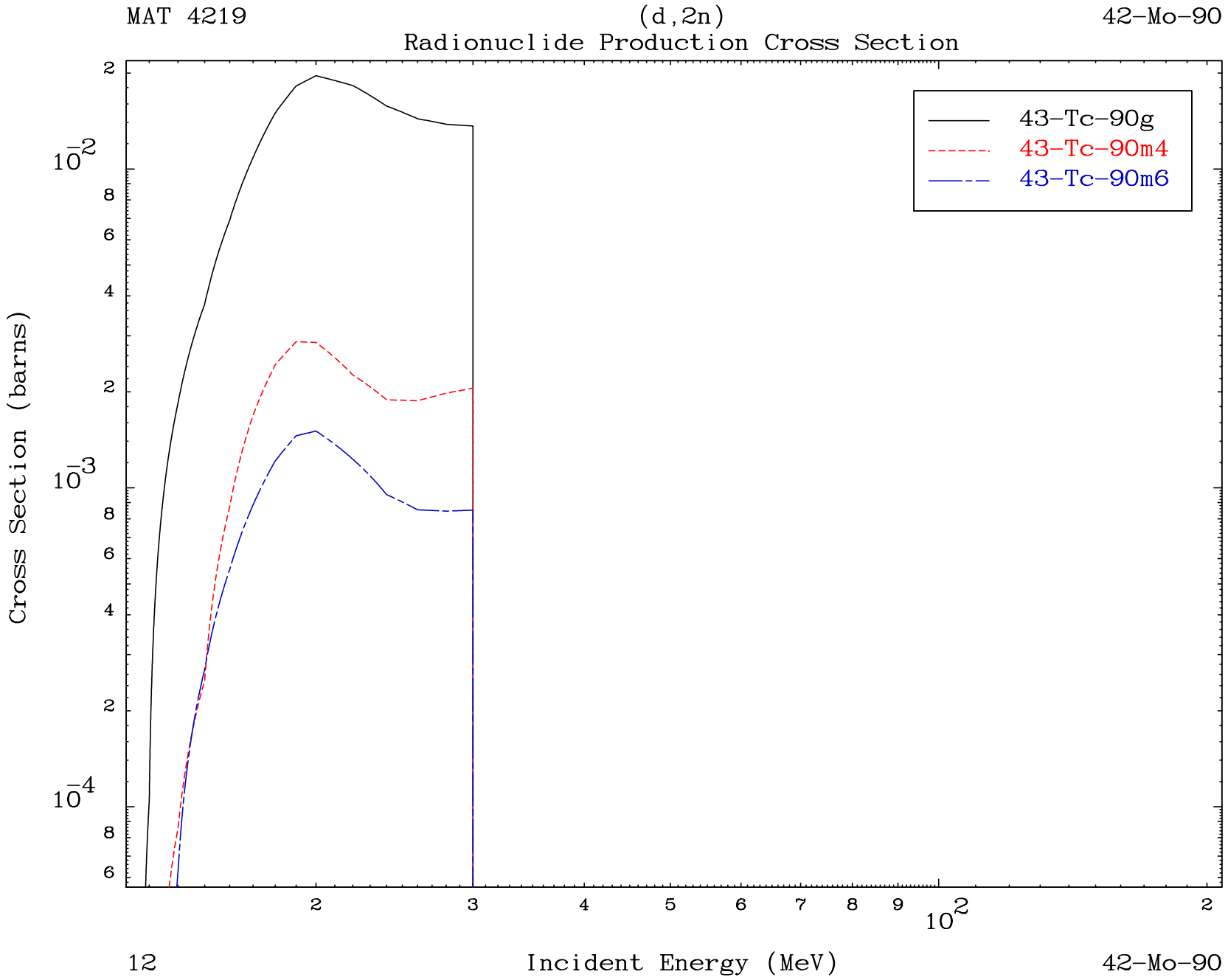

MAT 4219
(d,d) Levels
42-Mo-90
0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
Incident Energy (MeV)
42-Mo-90
7

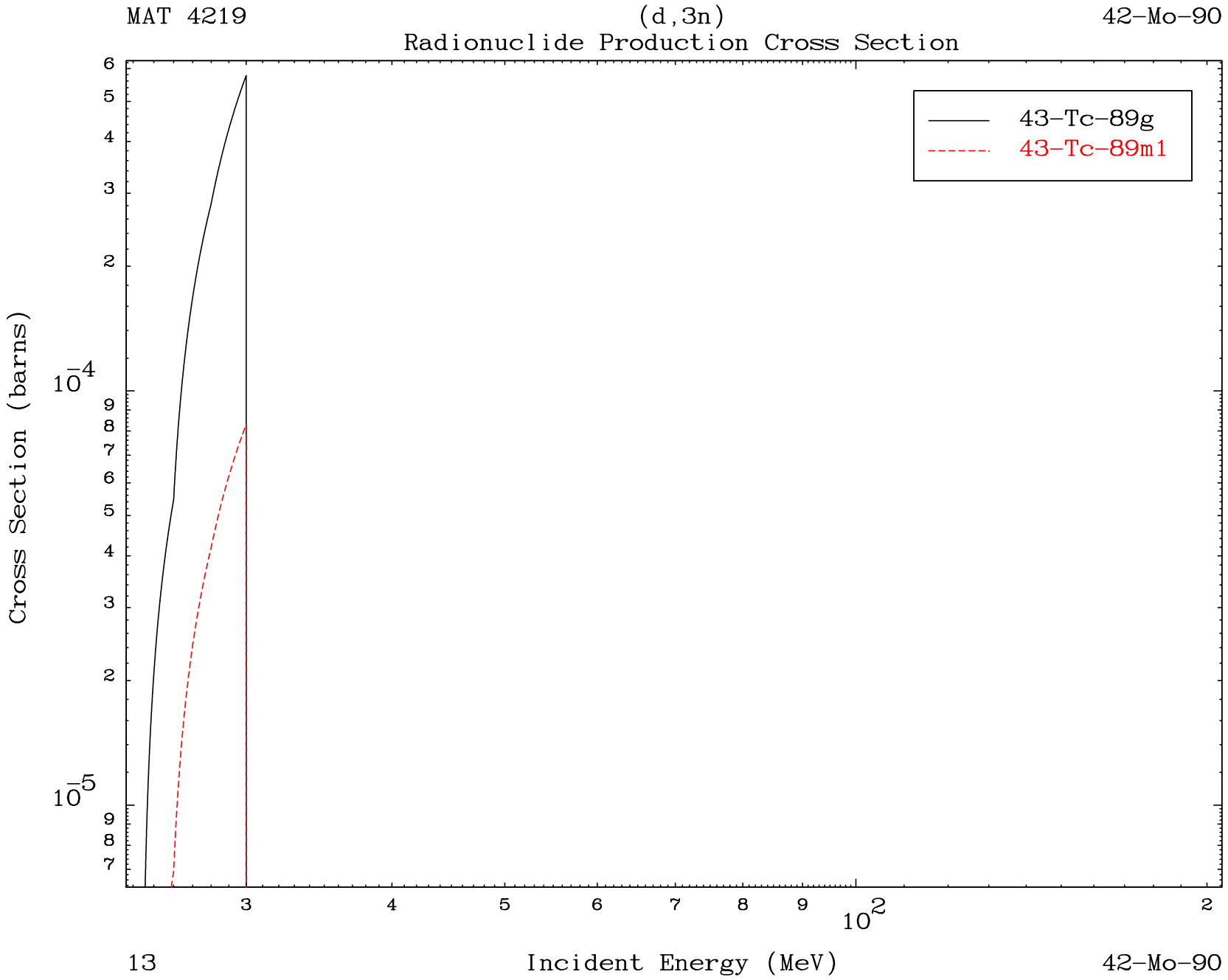

MAT 4219
(d,t) Levels
42-Mo-90
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
Incident Energy (MeV)
42-Mo-90
8

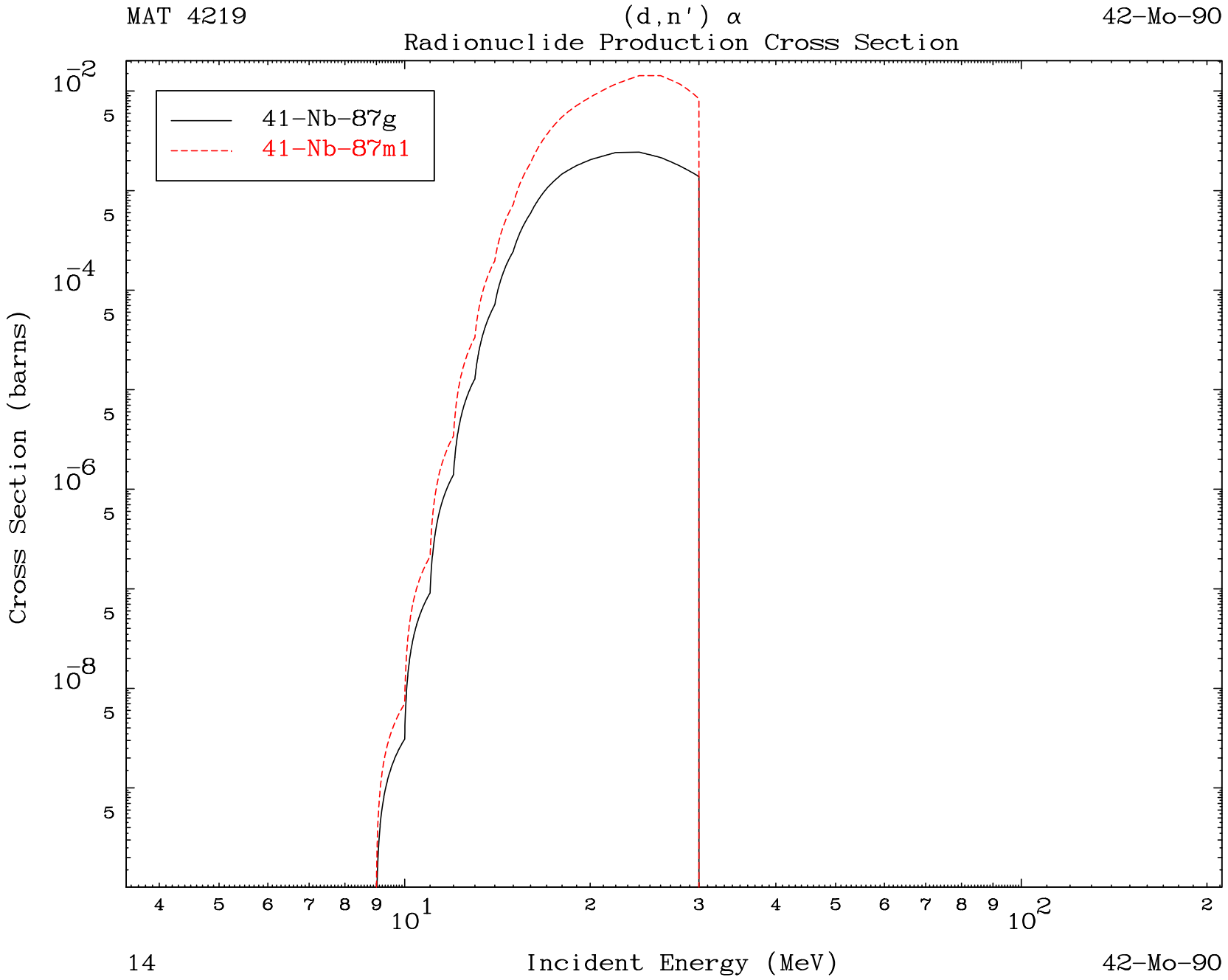

MAT 4219
(d,He3) Levels
42-Mo-90
0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
4
6
8
10 1
10 2
9
Incident Energy (MeV)
42-Mo-90

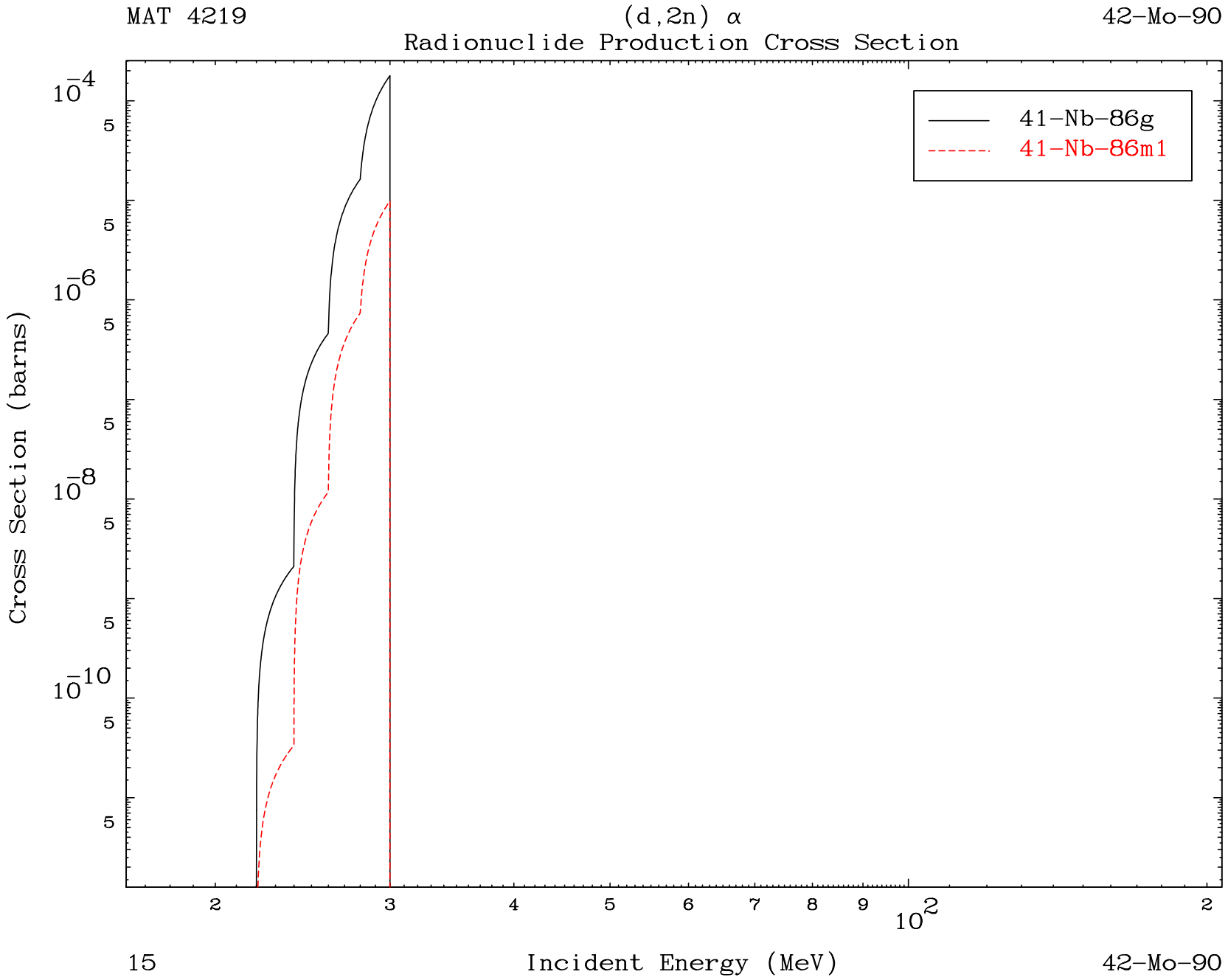

MAT 4219
(d,α) Levels
42-Mo-90
0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
Incident Energy (MeV)
10
42-Mo-90

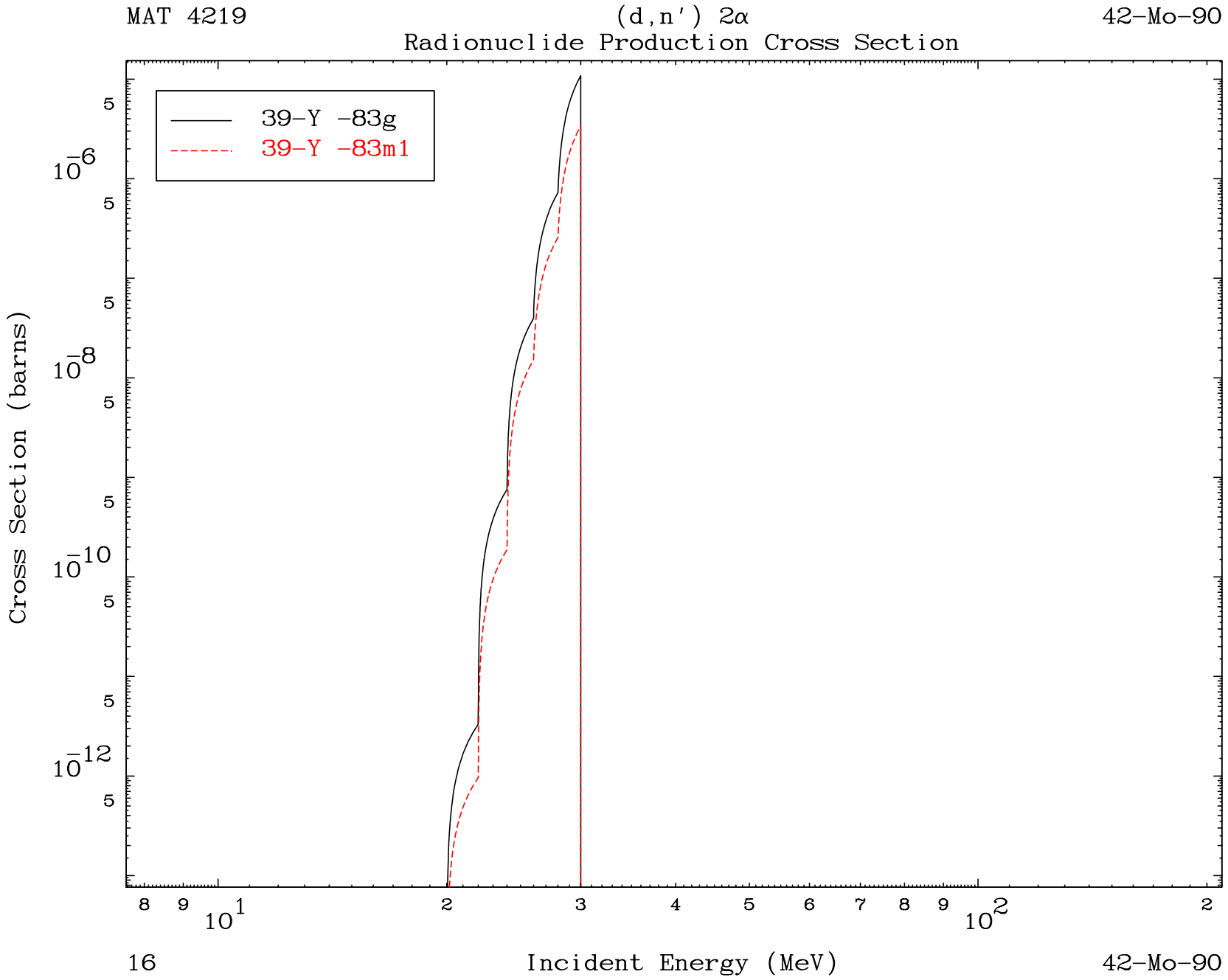

MAT 4219
Deuteron Inelastic
42-Mo-90
Radionuclide Production Cross Section
43-Tc-91g
43-Tc-91m1
Cross Section (barns)
Incident Energy (MeV)
11
42-Mo-90

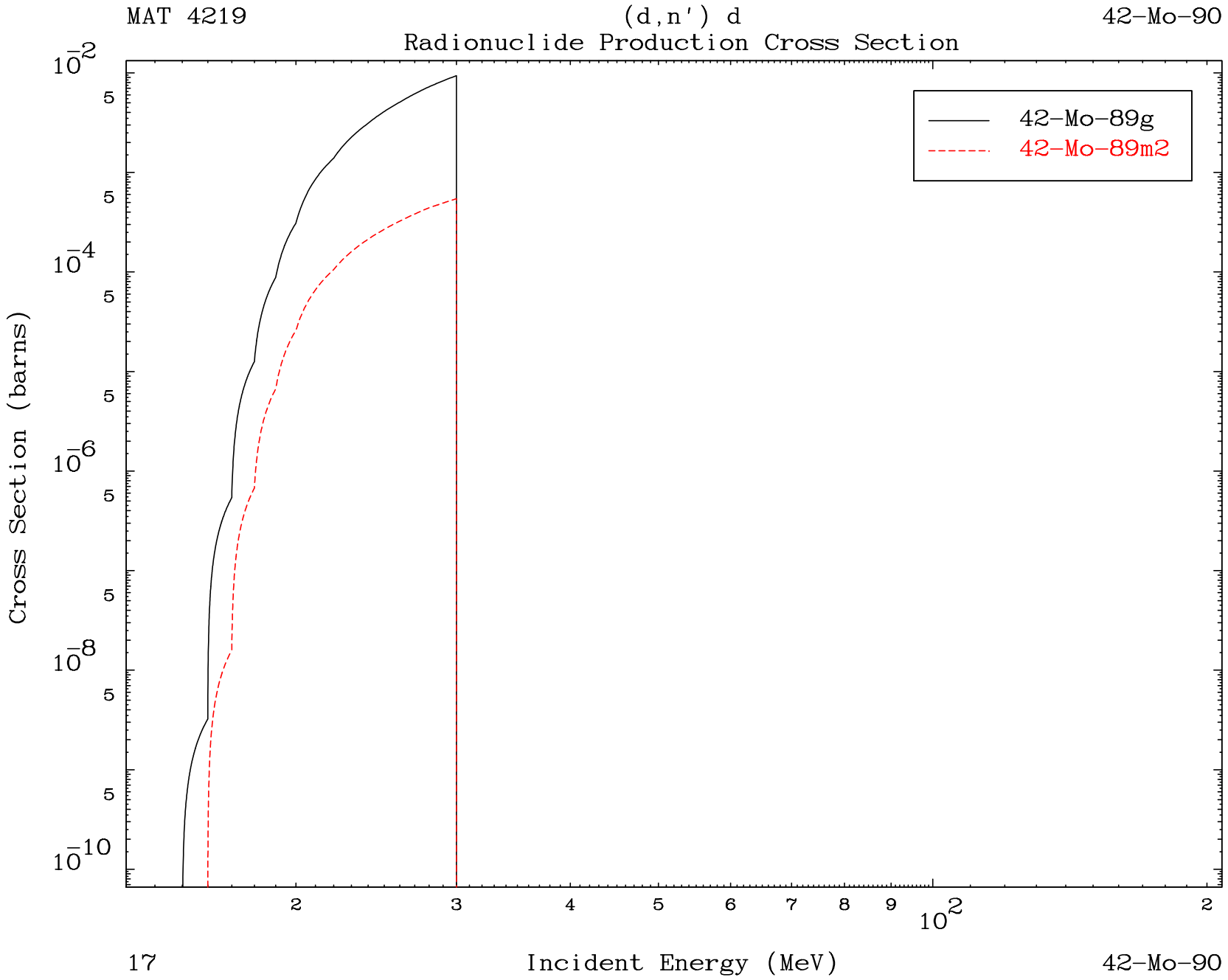

MAT 4219
(d,2n)
42-Mo-90
Radionuclide Production Cross Section
43-Tc-90g
43-Tc-90m4
43-Tc-90m6
Cross Section (barns)
Incident Energy (MeV)
12
42-Mo-90

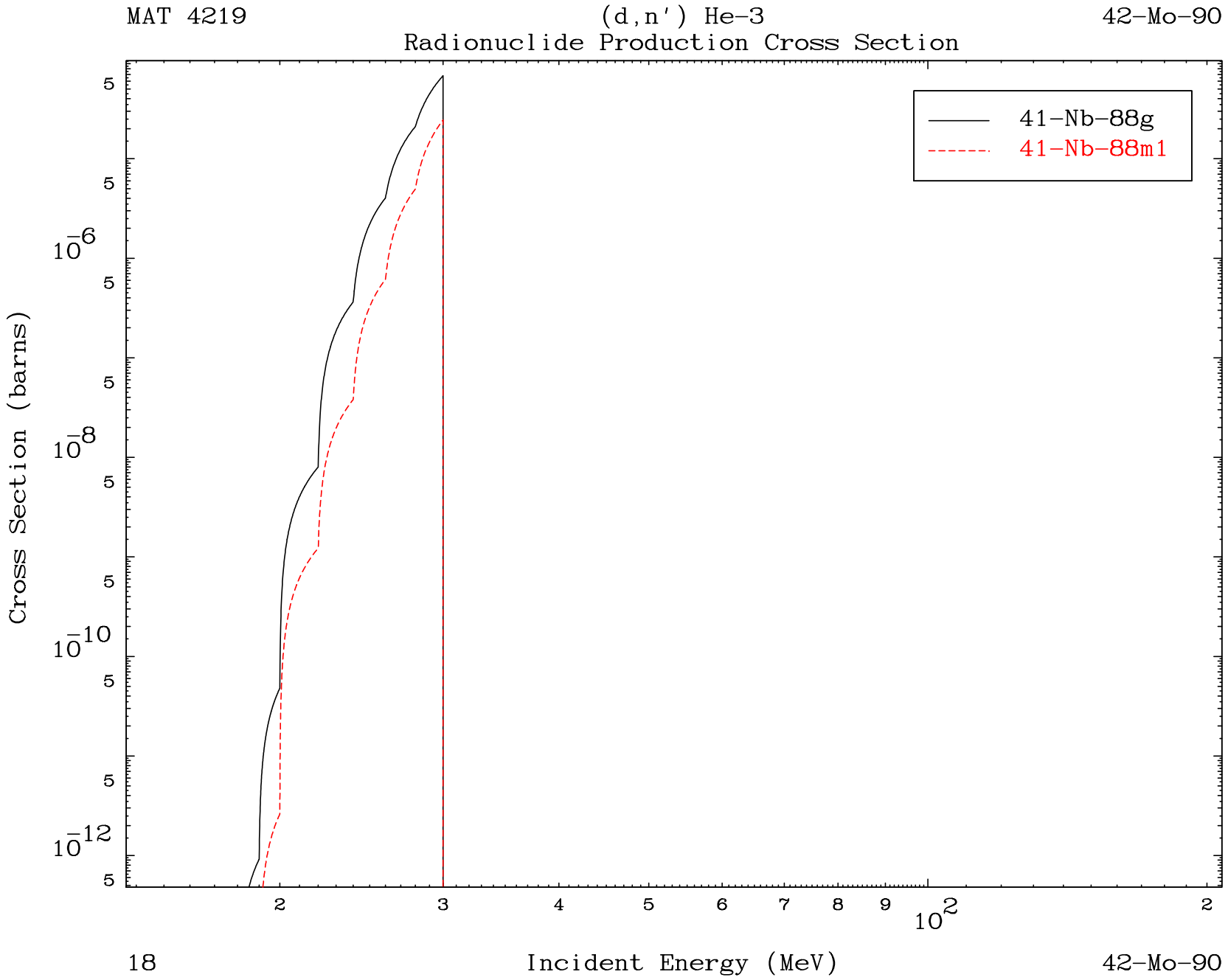

MAT 4219
(d,3n)
42-Mo-90
Radionuclide Production Cross Section
43-Tc-89g
43-Tc-89m1
Cross Section (barns)
10^-4
10^-5
6
5
4
3
2
9
8
7
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
42-Mo-90

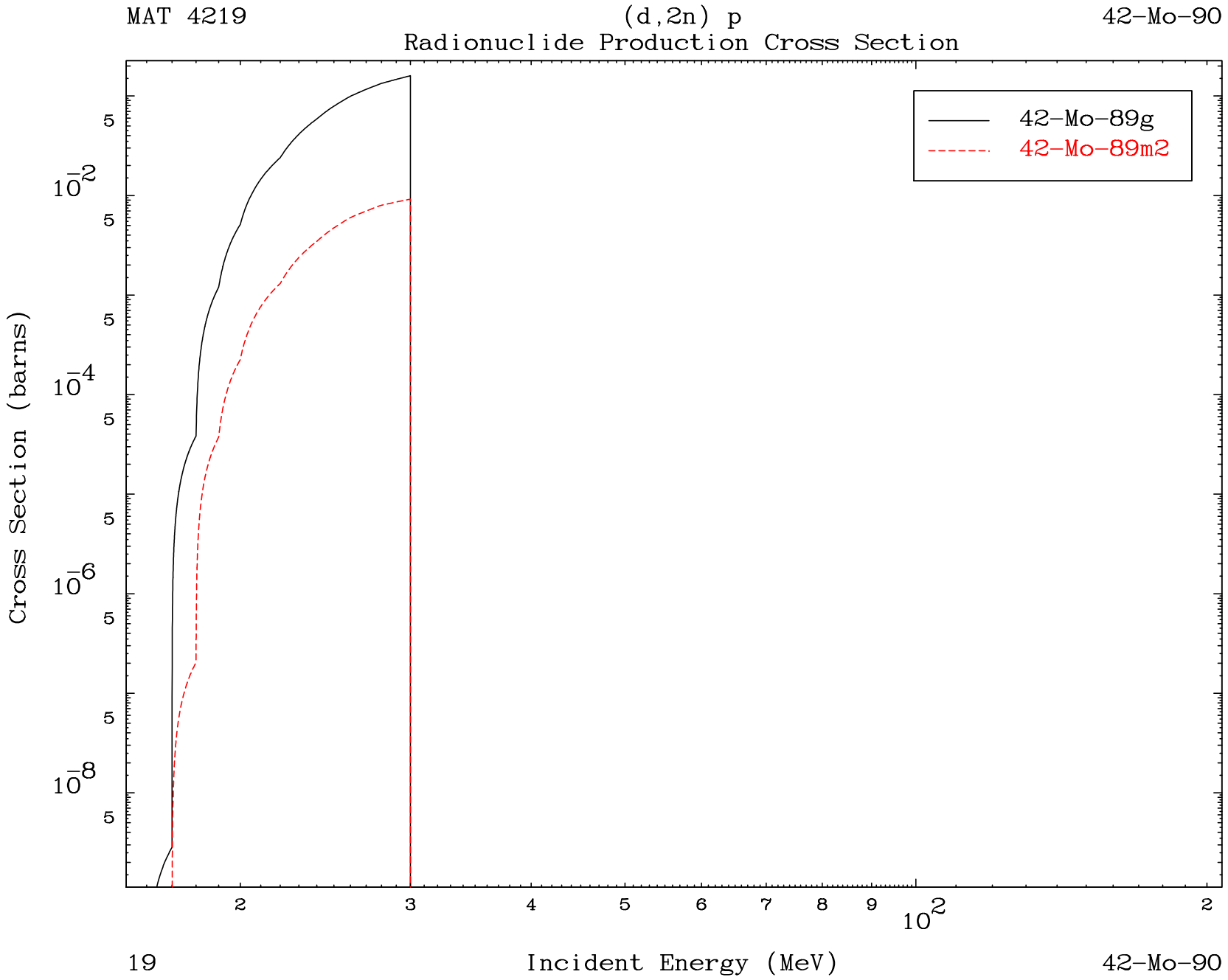

MAT 4219
(d,n') α
42-Mo-90
Radionuclide Production Cross Section
41-Nb-87g
41-Nb-87m1
Cross Section (barns)
Incident Energy (MeV)
14
42-Mo-90

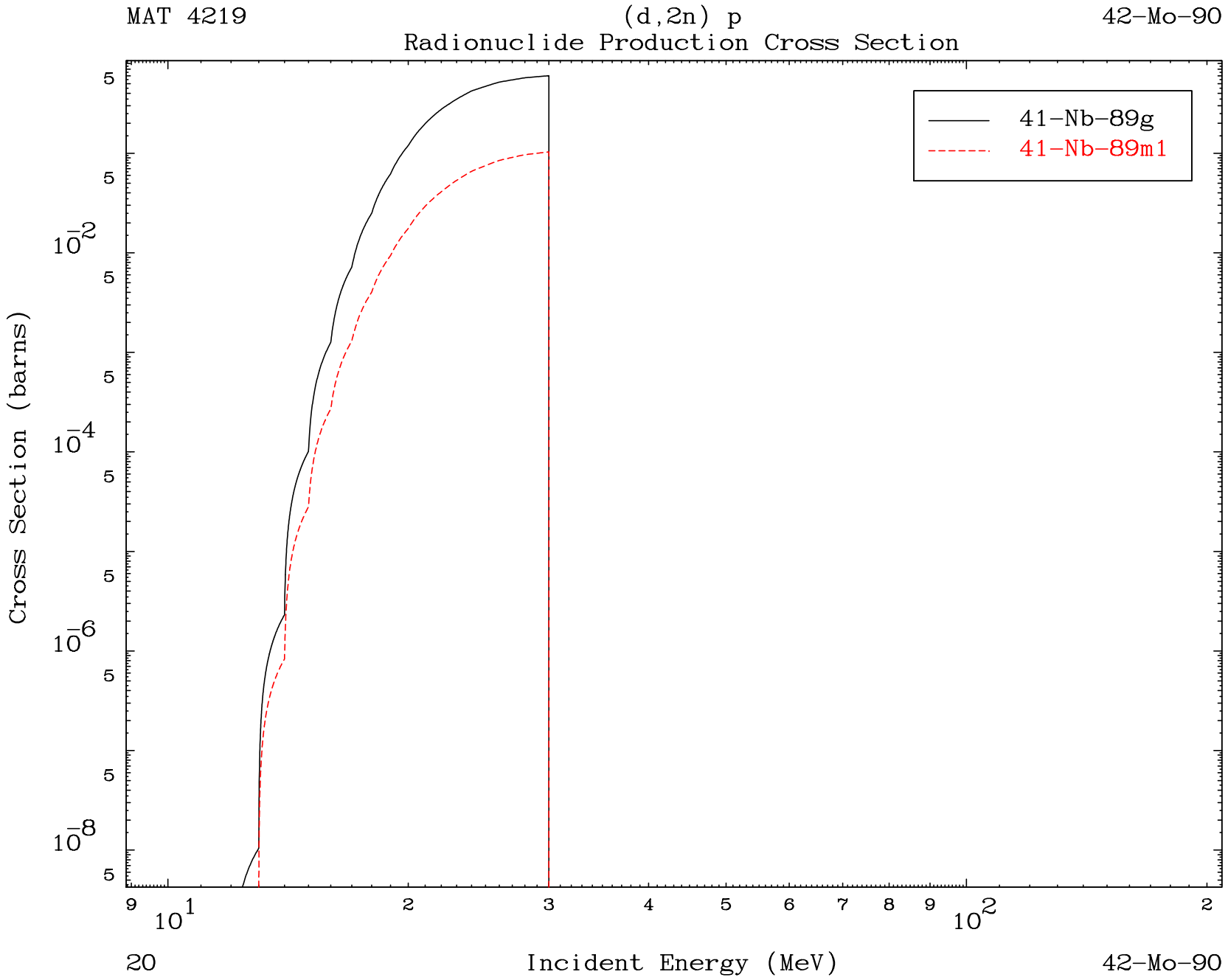

MAT 4219
(d,2n) α
42-Mo-90
Radionuclide Production Cross Section
41-Nb-86g
41-Nb-86m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
15
42-Mo-90

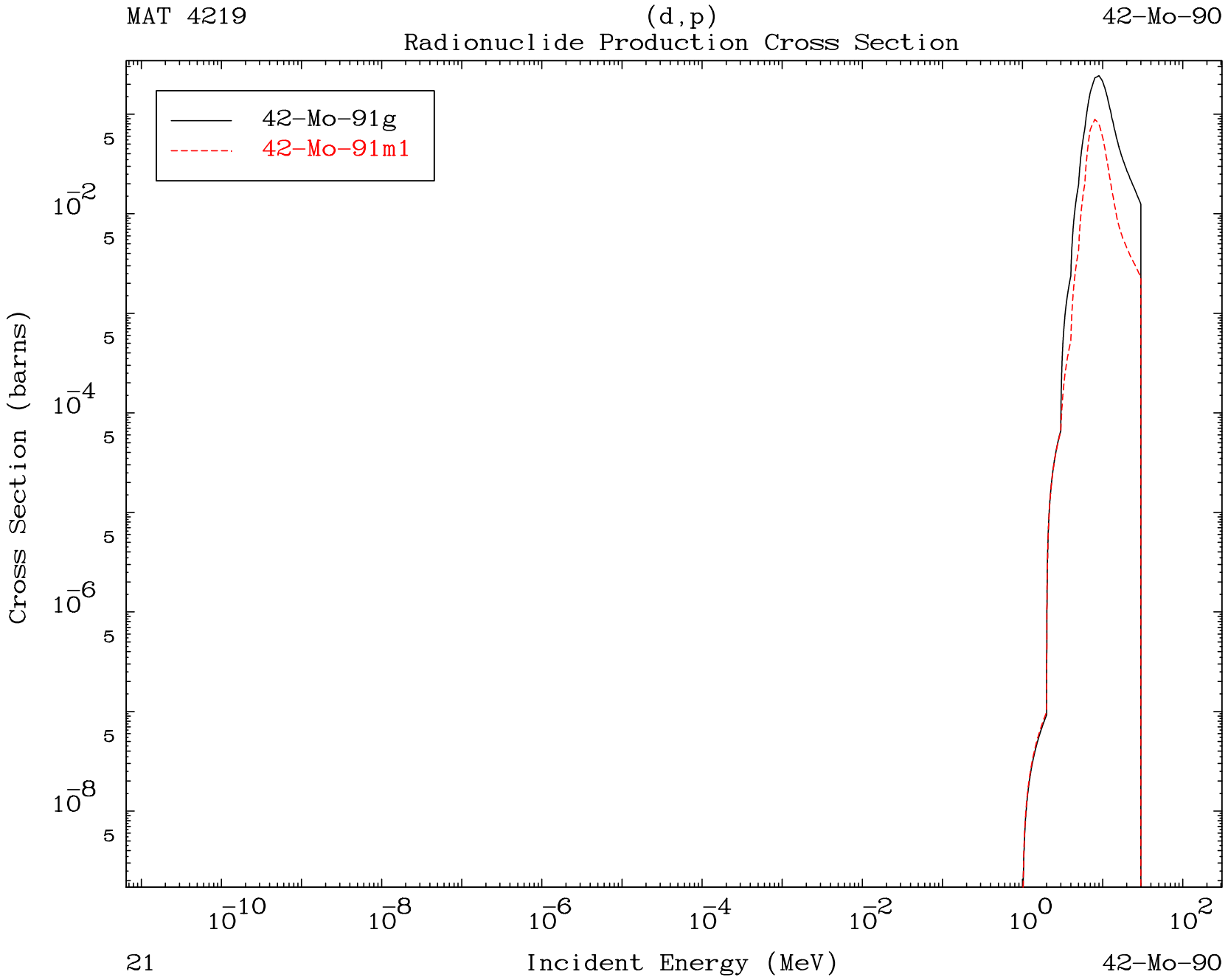

MAT 4219
(d,n') 2α
42-Mo-90
Radionuclide Production Cross Section
39-Y -83g
39-Y -83m1
Cross Section (barns)
10-6
10-8
10-10
10-12
Incident Energy (MeV)
16
42-Mo-90

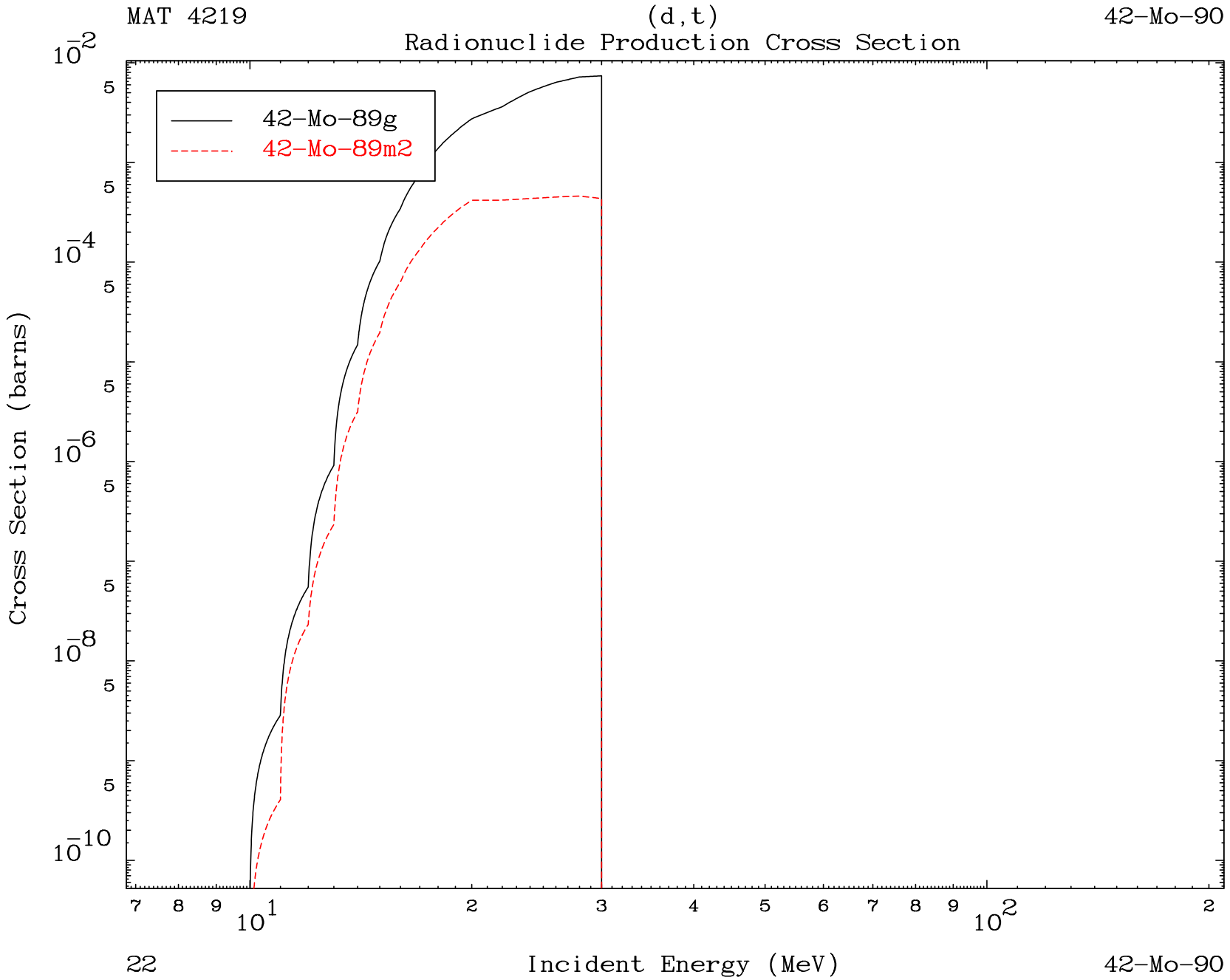

MAT 4219
(d,n') d
42-Mo-90
Radionuclide Production Cross Section
42-Mo-89g
42-Mo-89m2
Cross Section (barns)
Incident Energy (MeV)
17
42-Mo-90

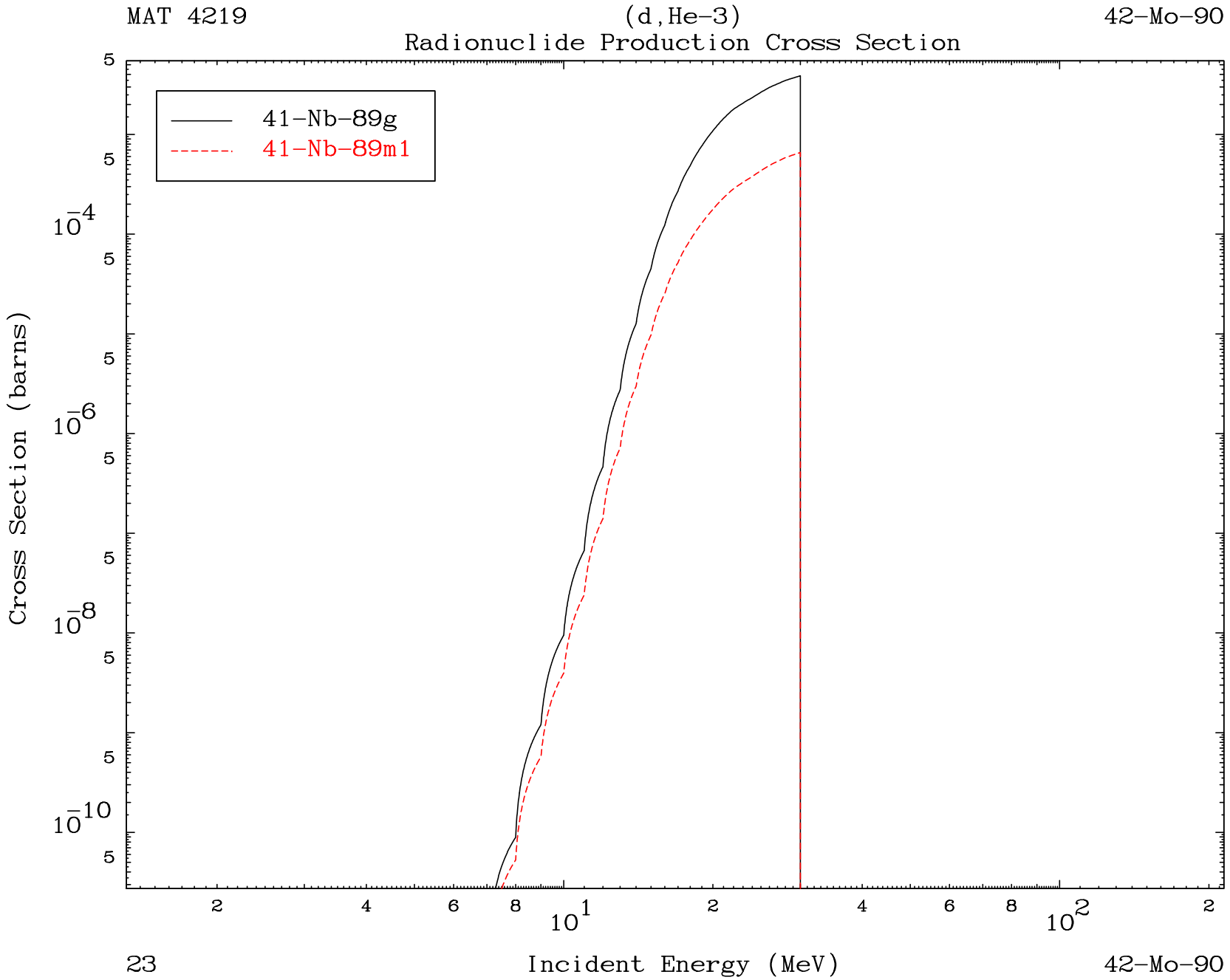

MAT 4219
(d,n') He-3
42-Mo-90
Radionuclide Production Cross Section
41-Nb-88g
41-Nb-88m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
18
Incident Energy (MeV)
42-Mo-90

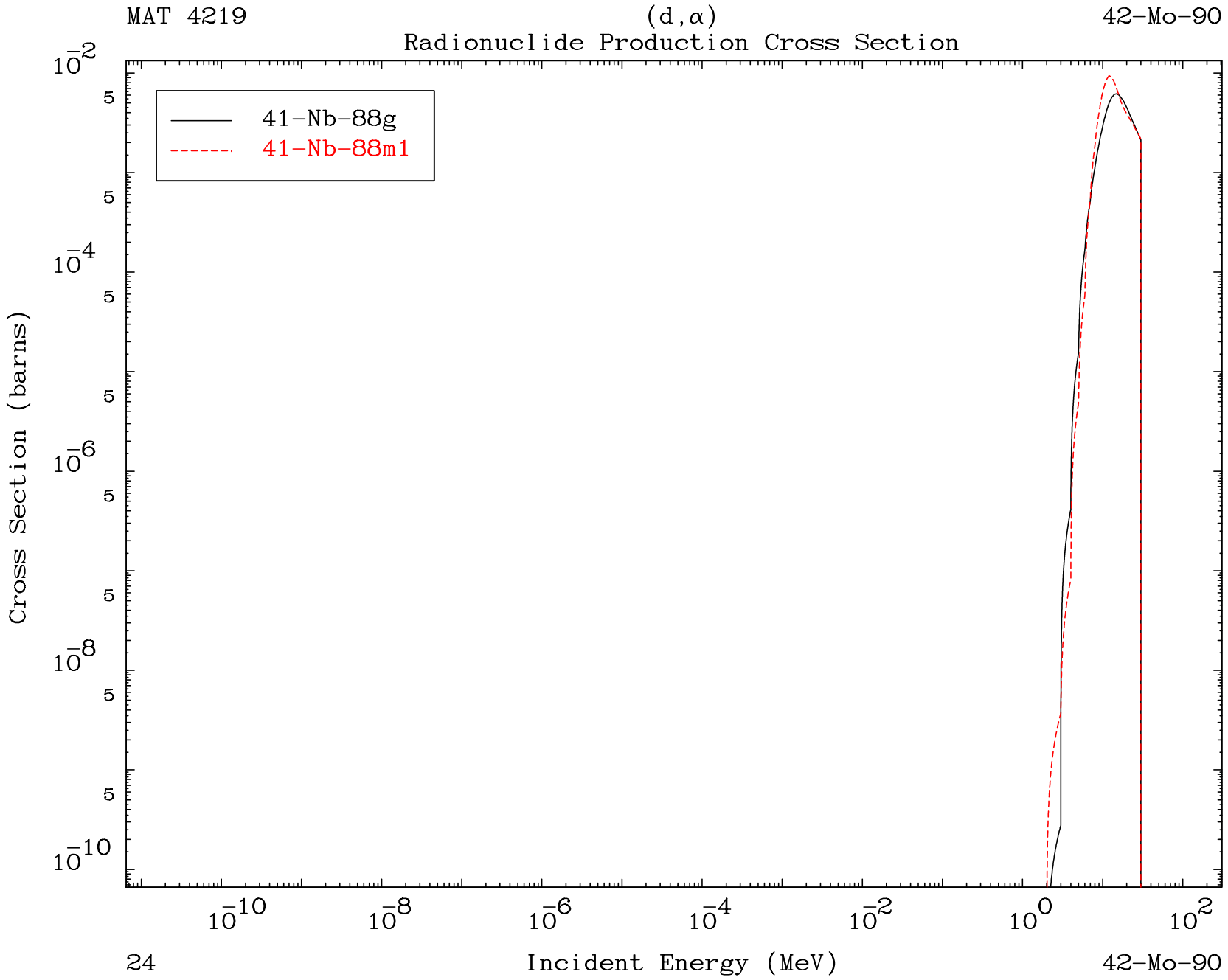

MAT 4219
(d,2n) p
42-Mo-90
Radionuclide Production Cross Section
42-Mo-89g
42-Mo-89m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
42-Mo-90

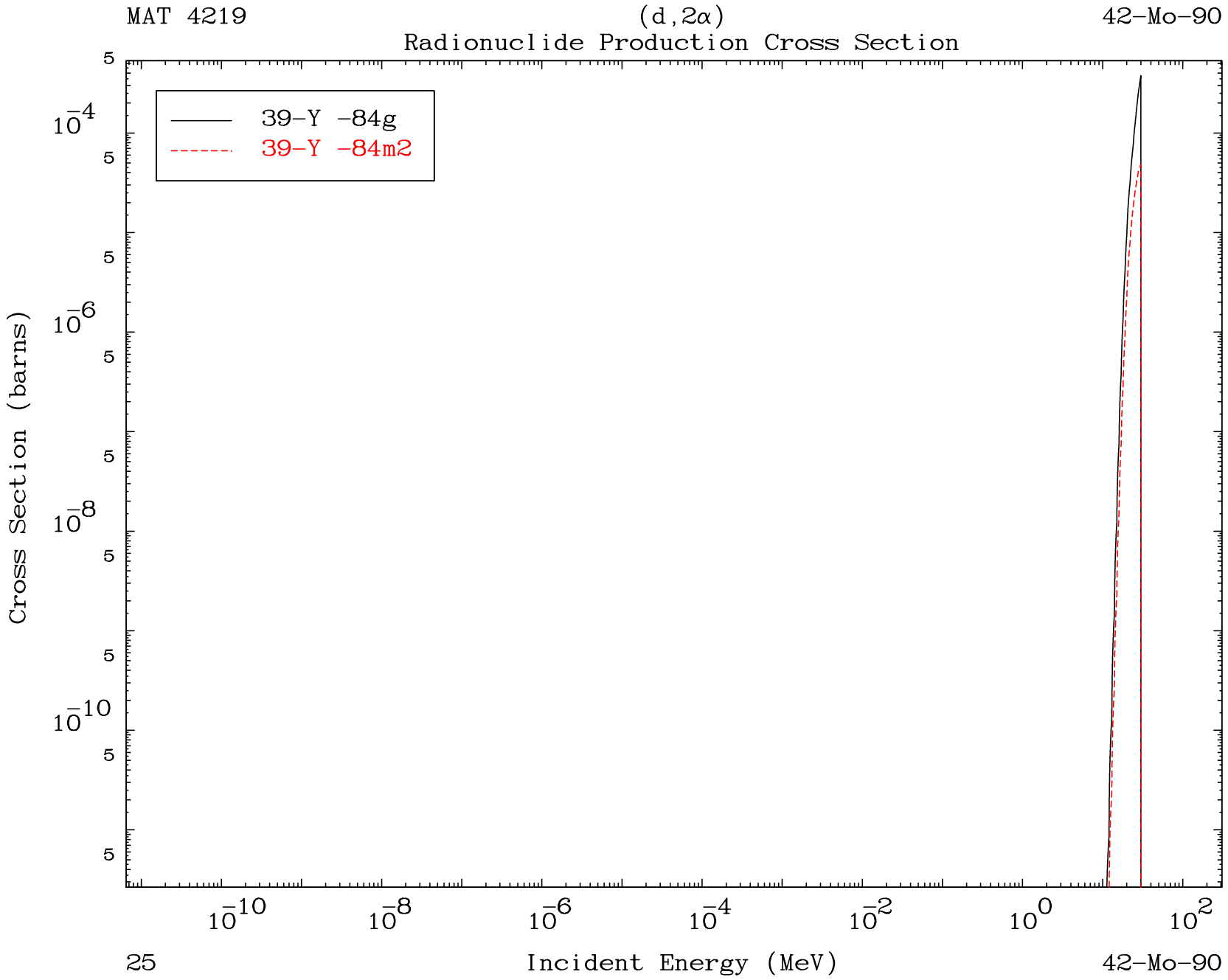

MAT 4219
(d,2n) p
42-Mo-90
Radionuclide Production Cross Section
41-Nb-89g
41-Nb-89m1
Cross Section (barns)
Incident Energy (MeV)
20
42-Mo-90

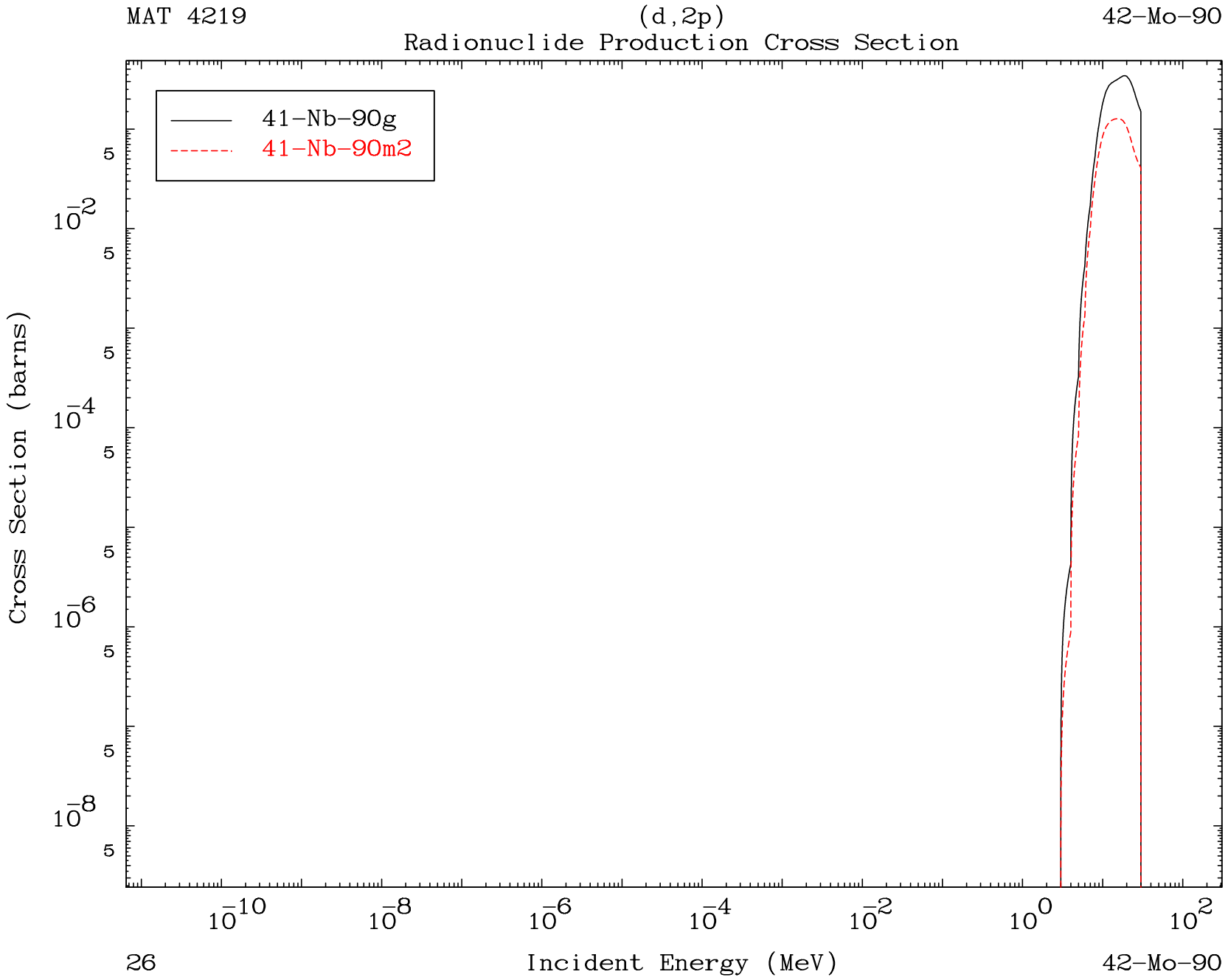

MAT 4219
(d,p)
42-Mo-90
Radionuclide Production Cross Section
42-Mo-91g
42-Mo-91m1
Cross Section (barns)
Incident Energy (MeV)
21
42-Mo-90

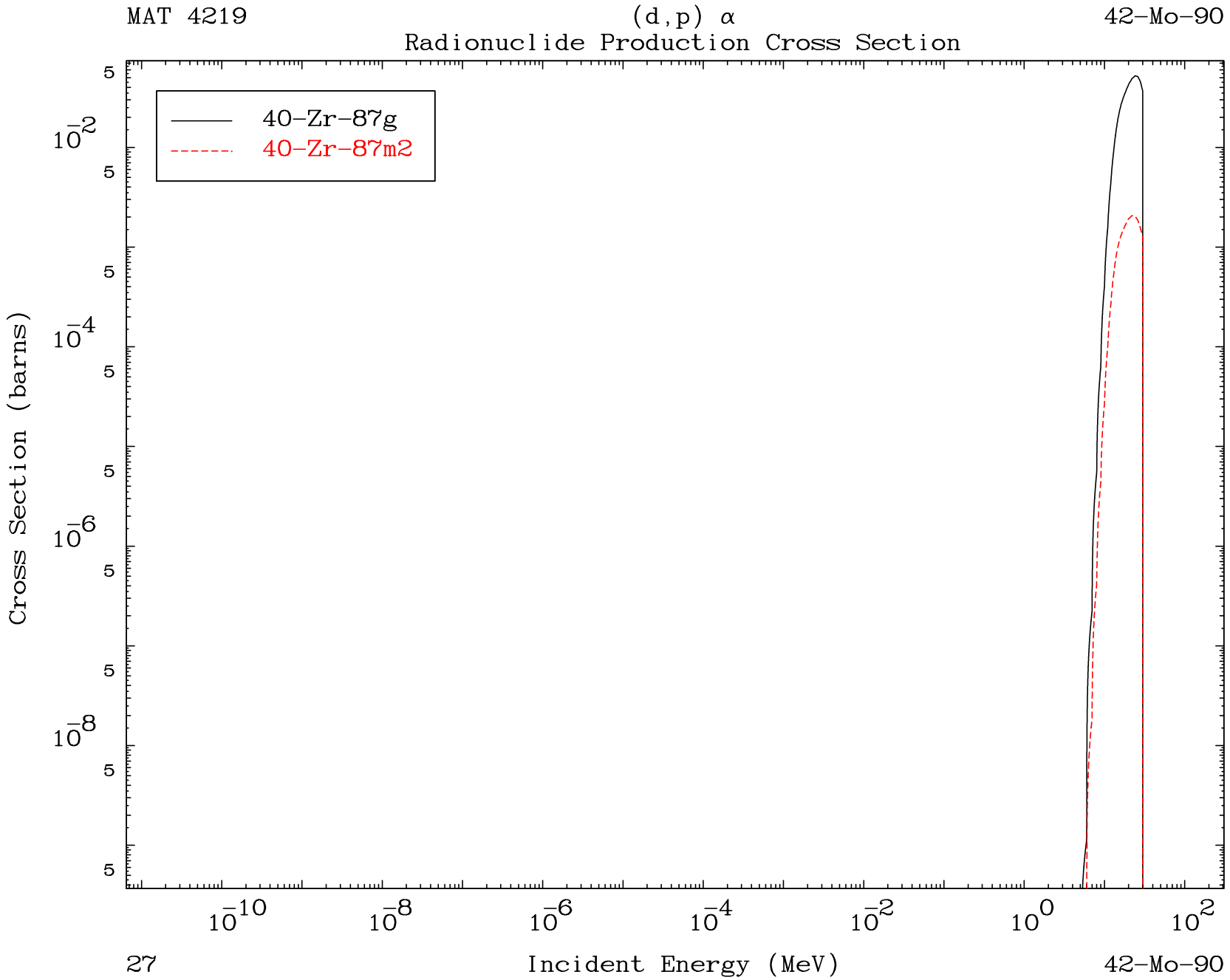

MAT 4219
(d,t)
42-Mo-90
Radionuclide Production Cross Section
42-Mo-89g
42-Mo-89m2
Cross Section (barns)
Incident Energy (MeV)
22
42-Mo-90

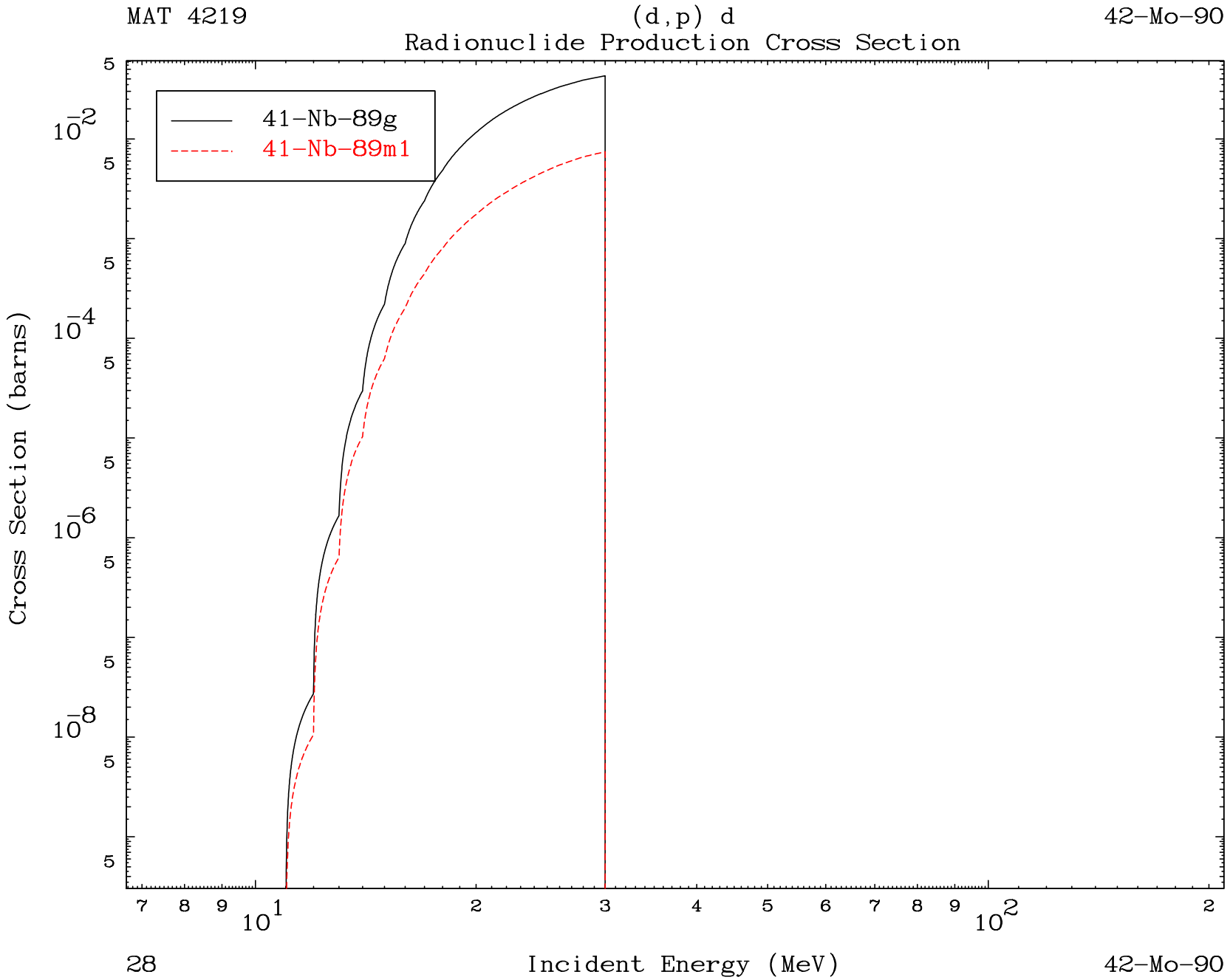

MAT 4219
(d,He-3)
42-Mo-90
Radionuclide Production Cross Section
41-Nb-89g
41-Nb-89m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
4
6
8
101
2
4
6
8
102
2
23
Incident Energy (MeV)
42-Mo-90

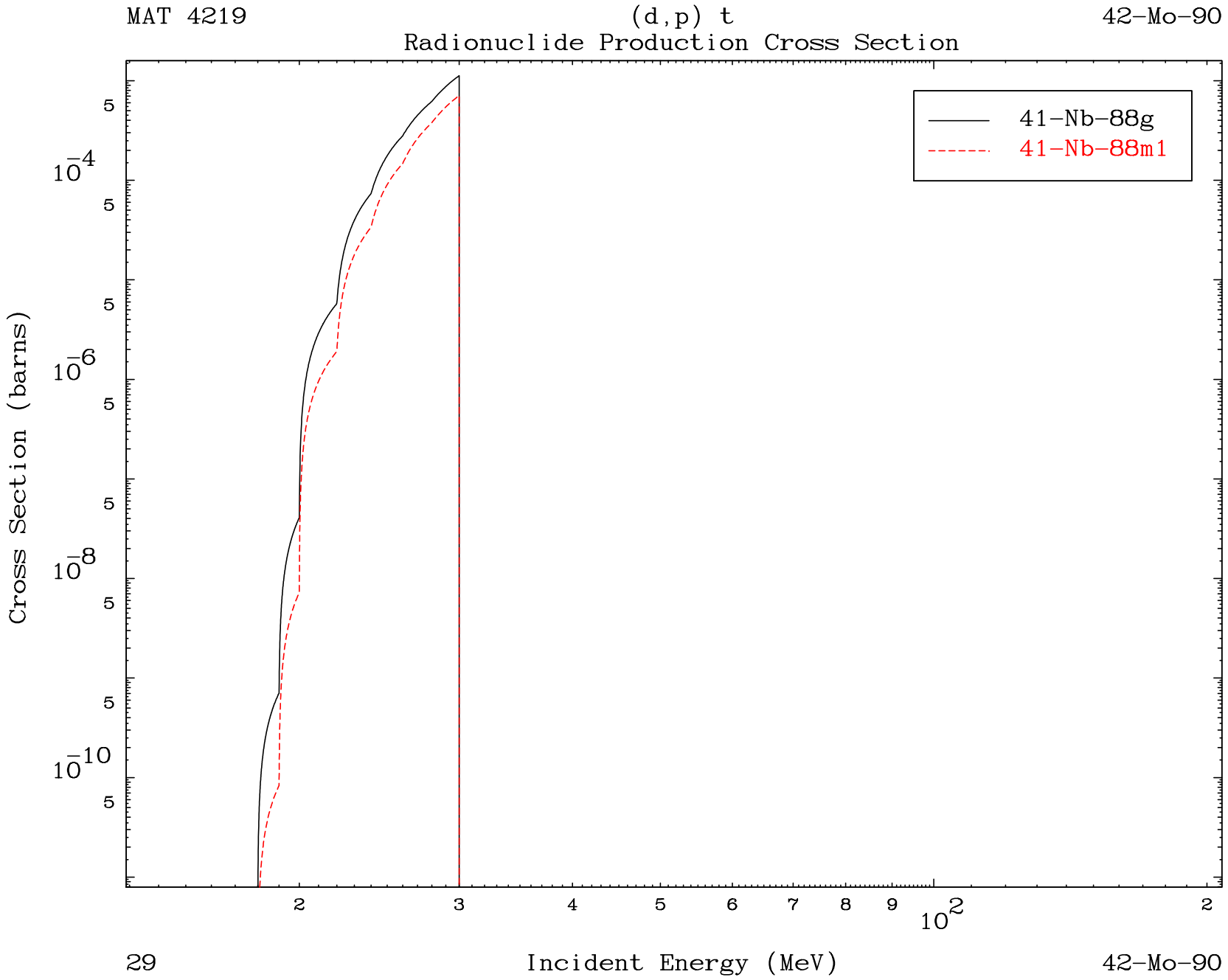

MAT 4219
(d,α)
42-Mo-90
Radionuclide Production Cross Section
41-Nb-88g
41-Nb-88m1
Cross Section (barns)
Incident Energy (MeV)
24
42-Mo-90


MAT 4219
(d,2α)
42-Mo-90
Radionuclide Production Cross Section
39-Y -84g
39-Y -84m2
Cross Section (barns)
Incident Energy (MeV)
25
42-Mo-90


MAT 4219
(d,2p)
42-Mo-90
Radionuclide Production Cross Section
41-Nb-90g
41-Nb-90m2
Cross Section (barns)
Incident Energy (MeV)
26
42-Mo-90


MAT 4219
(d,p) α
42-Mo-90
Radionuclide Production Cross Section
40-Zr-87g
40-Zr-87m2
Cross Section (barns)
Incident Energy (MeV)
27
42-Mo-90


MAT 4219
(d,p) d
42-Mo-90
Radionuclide Production Cross Section
41-Nb-89g
41-Nb-89m1
Cross Section (barns)
Incident Energy (MeV)
28
42-Mo-90


MAT 4219
(d,p) t
42-Mo-90
Radionuclide Production Cross Section
41-Nb-88g
41-Nb-88m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
29
Incident Energy (MeV)
42-Mo-90