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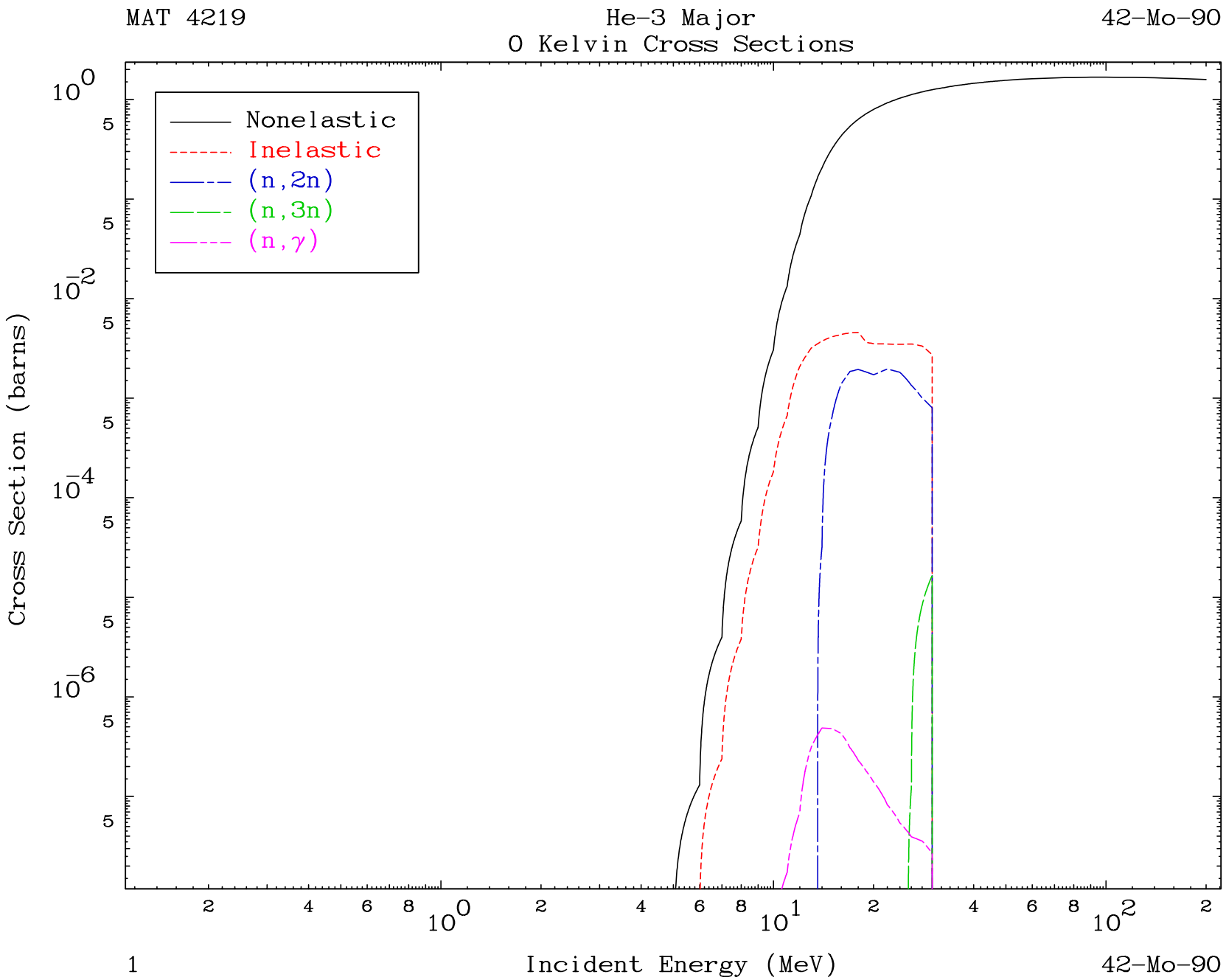
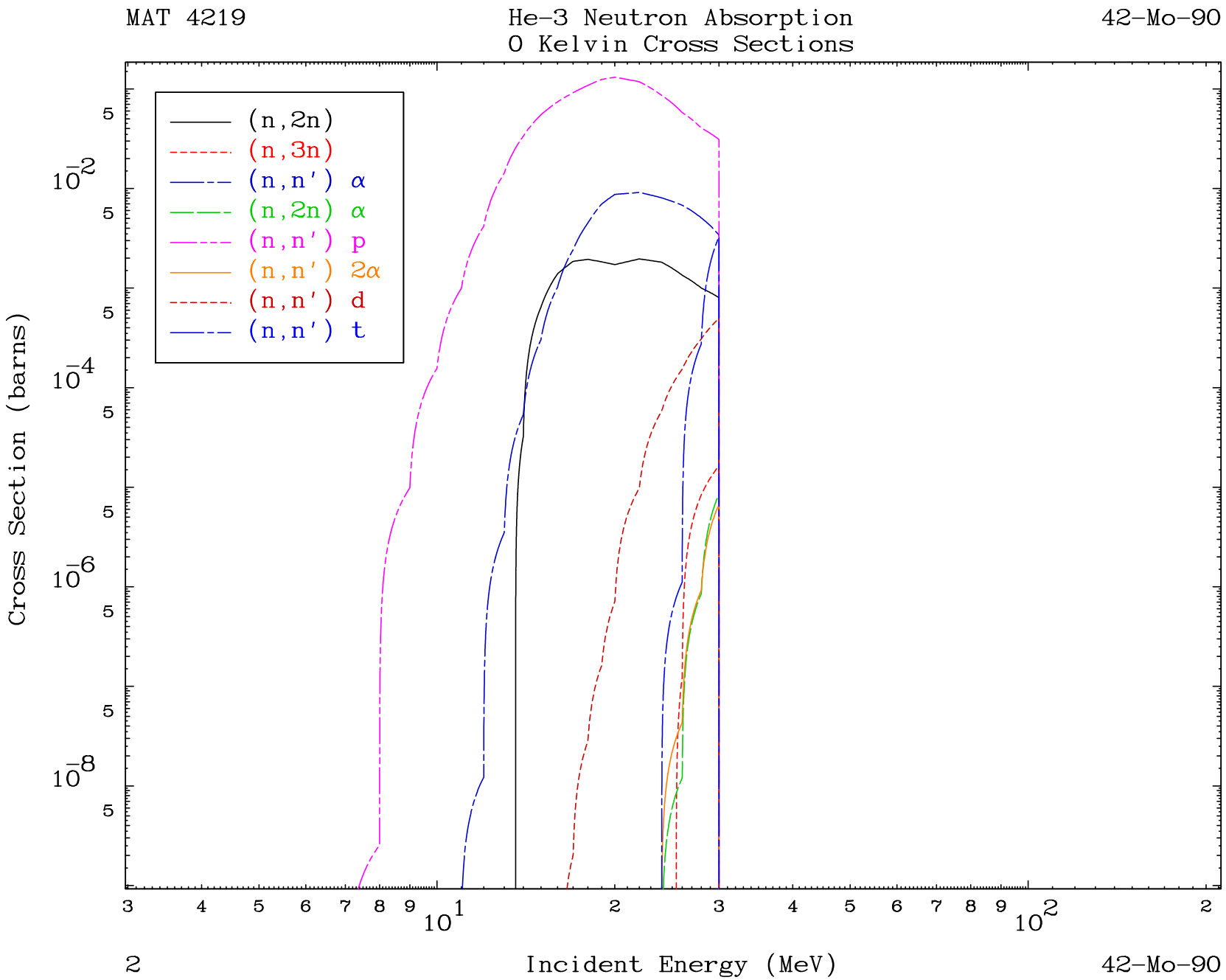
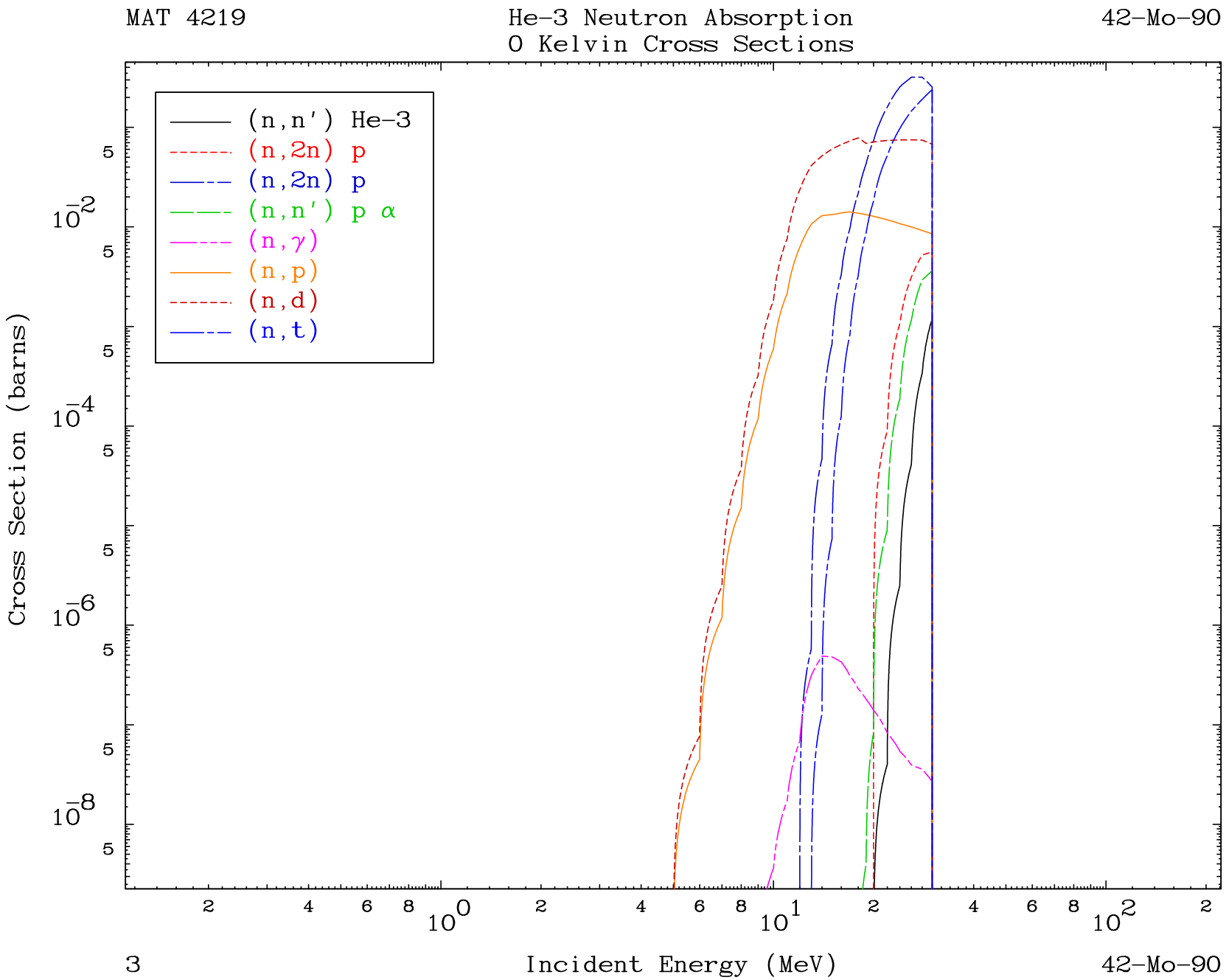
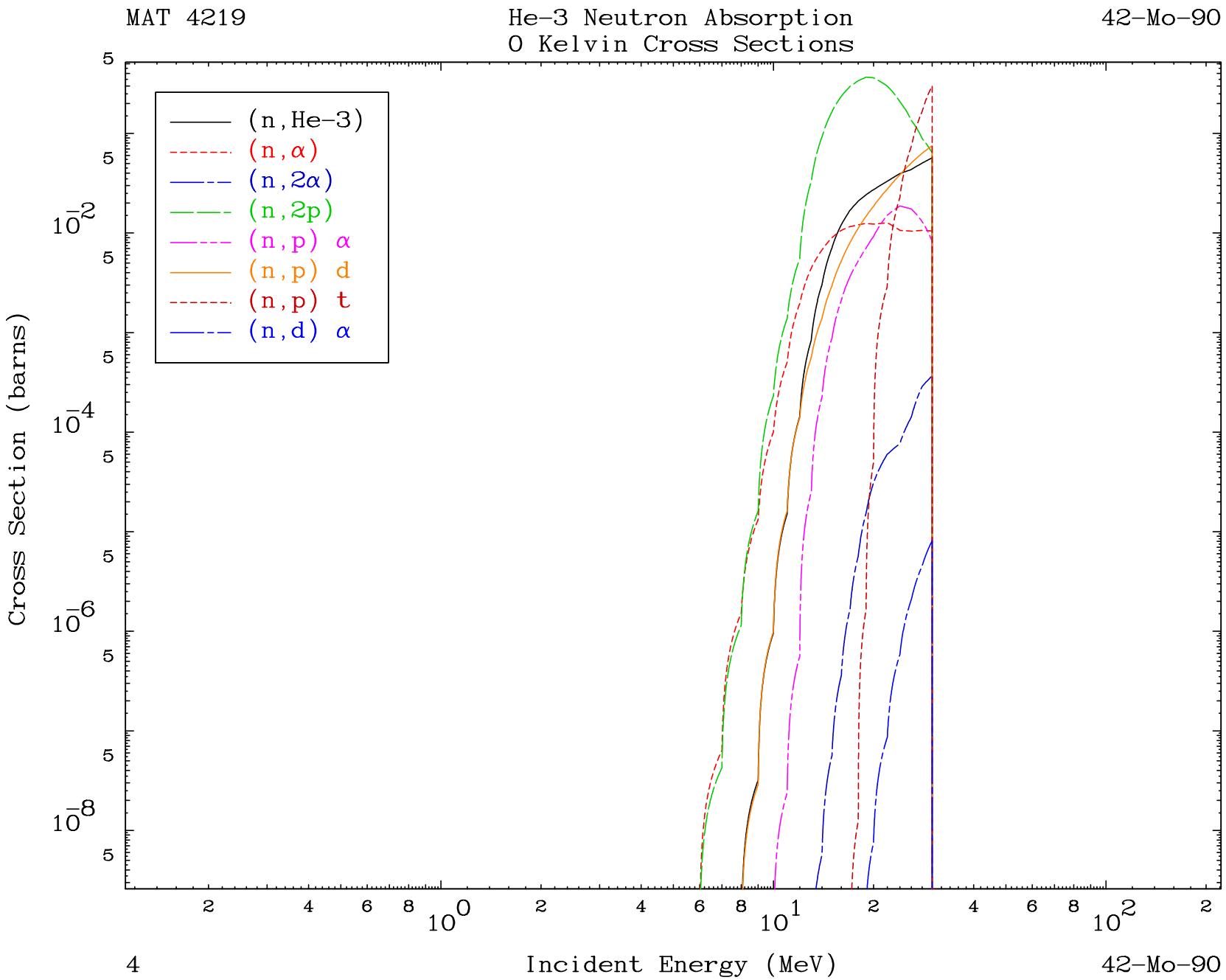
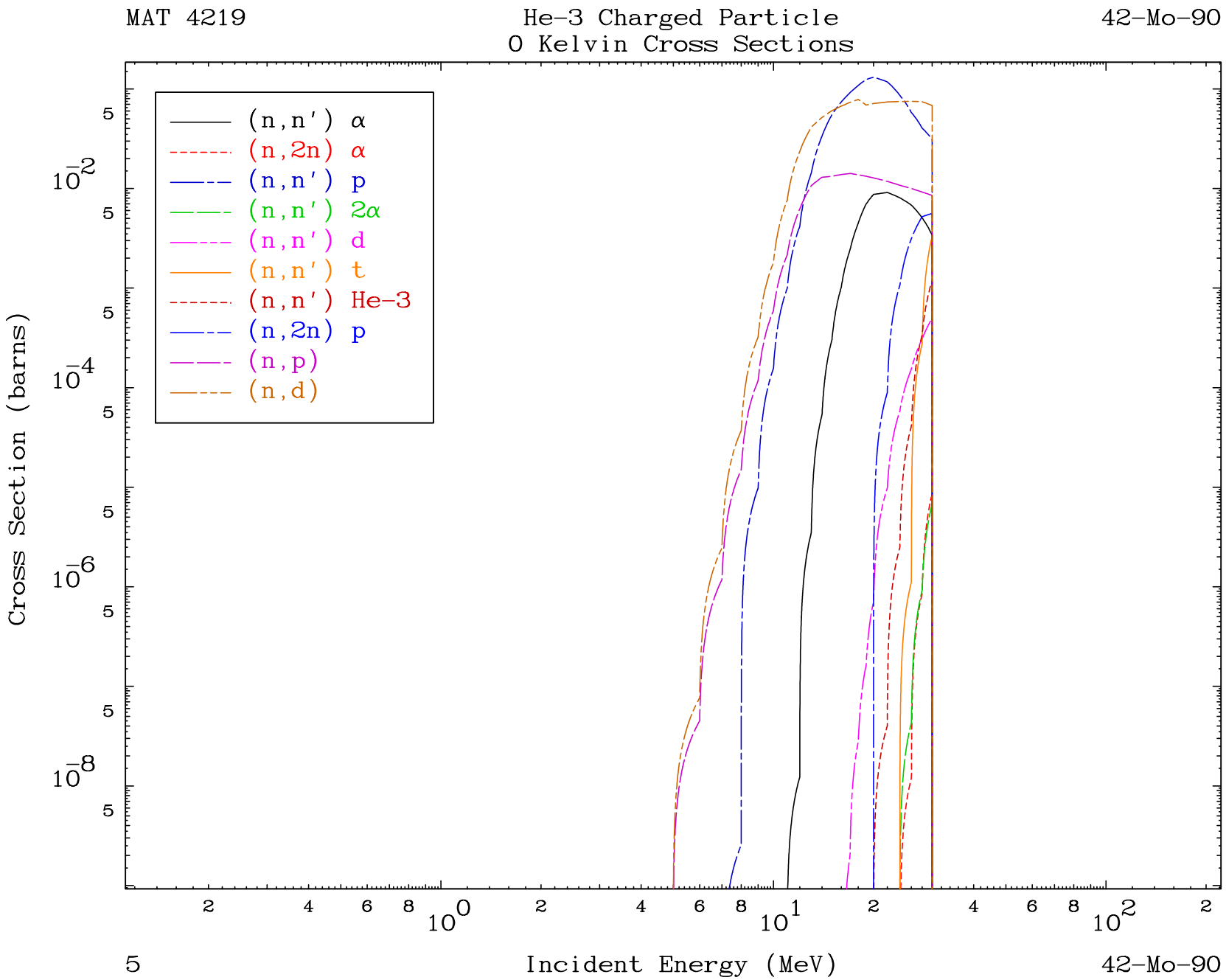
Press Mouse Button to Start

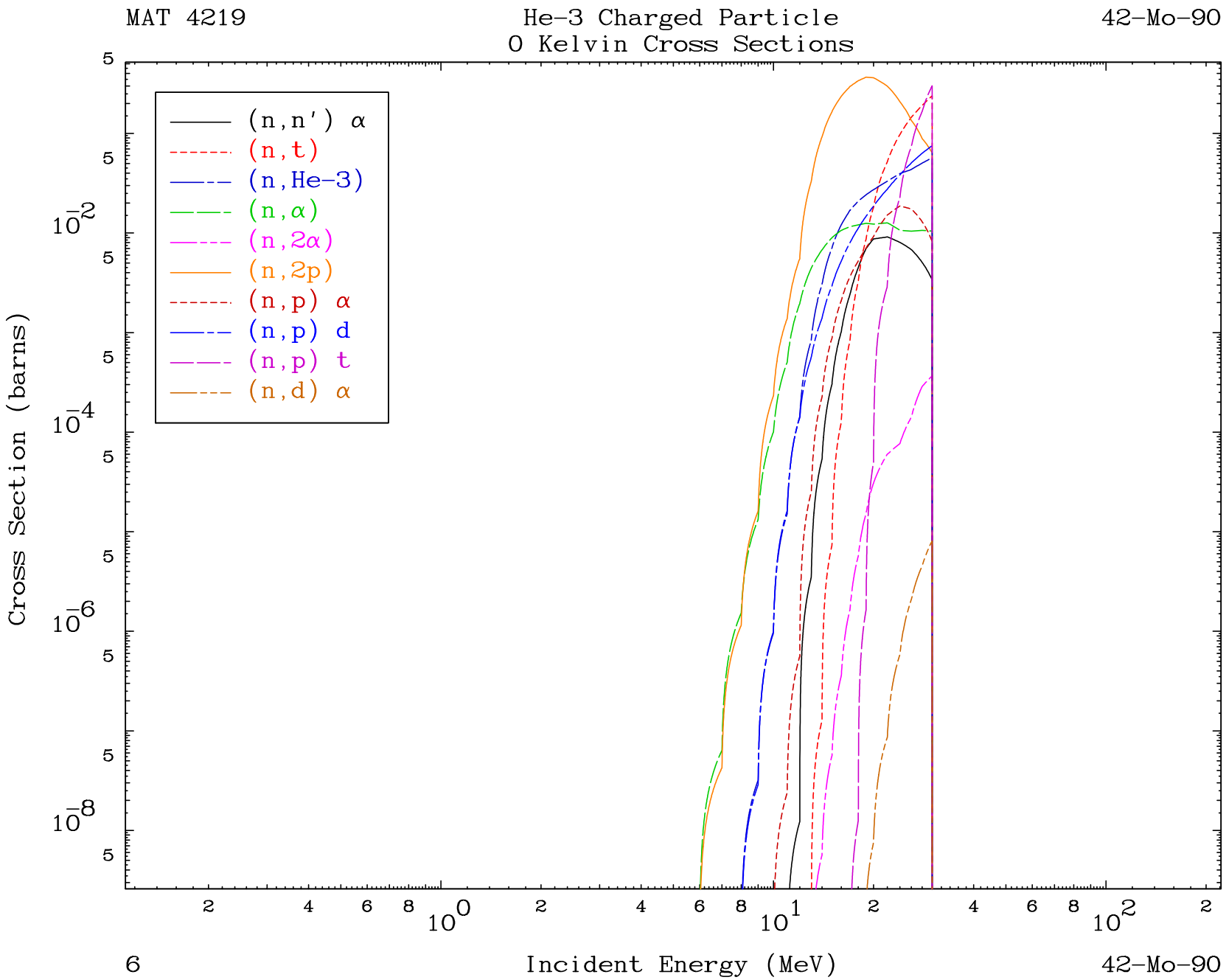

MAT 4219
He-3 Major
42-Mo-90
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
42-Mo-90

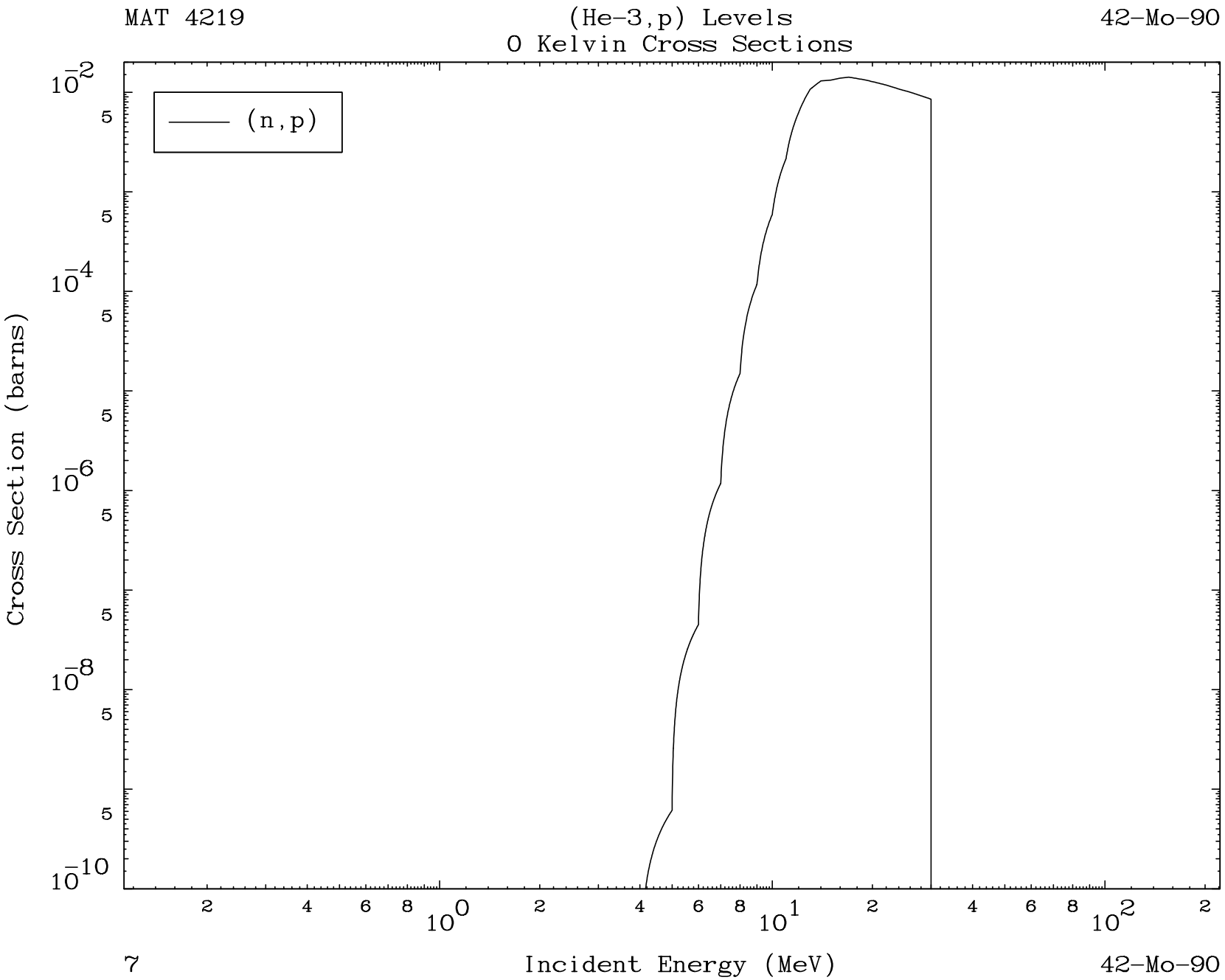

MAT 4219
He-3 Neutron Absorption
0 Kelvin Cross Sections
42-Mo-90
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
2
42-Mo-90

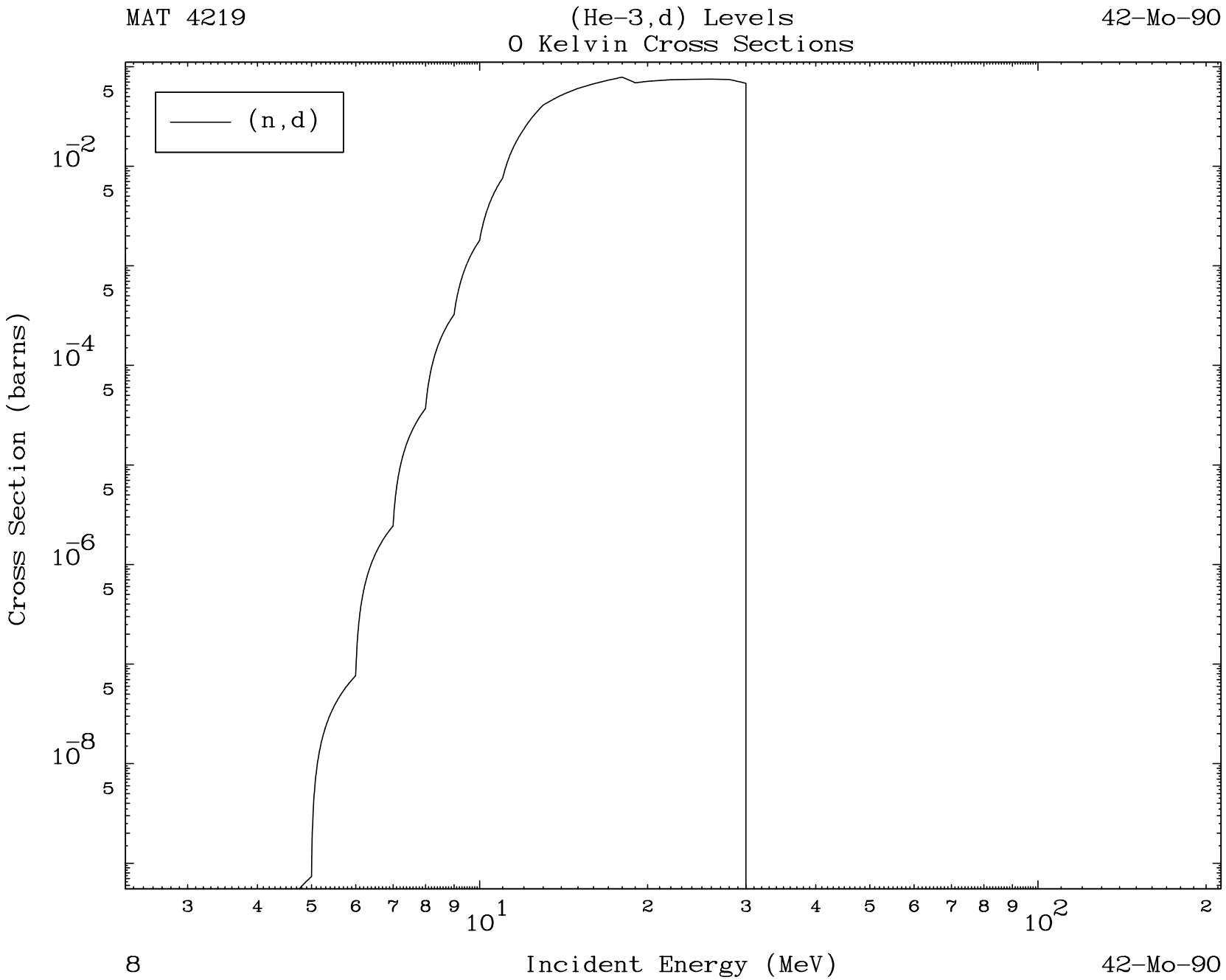

MAT 4219
He-3 Neutron Absorption
0 Kelvin Cross Sections
42-Mo-90
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
42-Mo-90

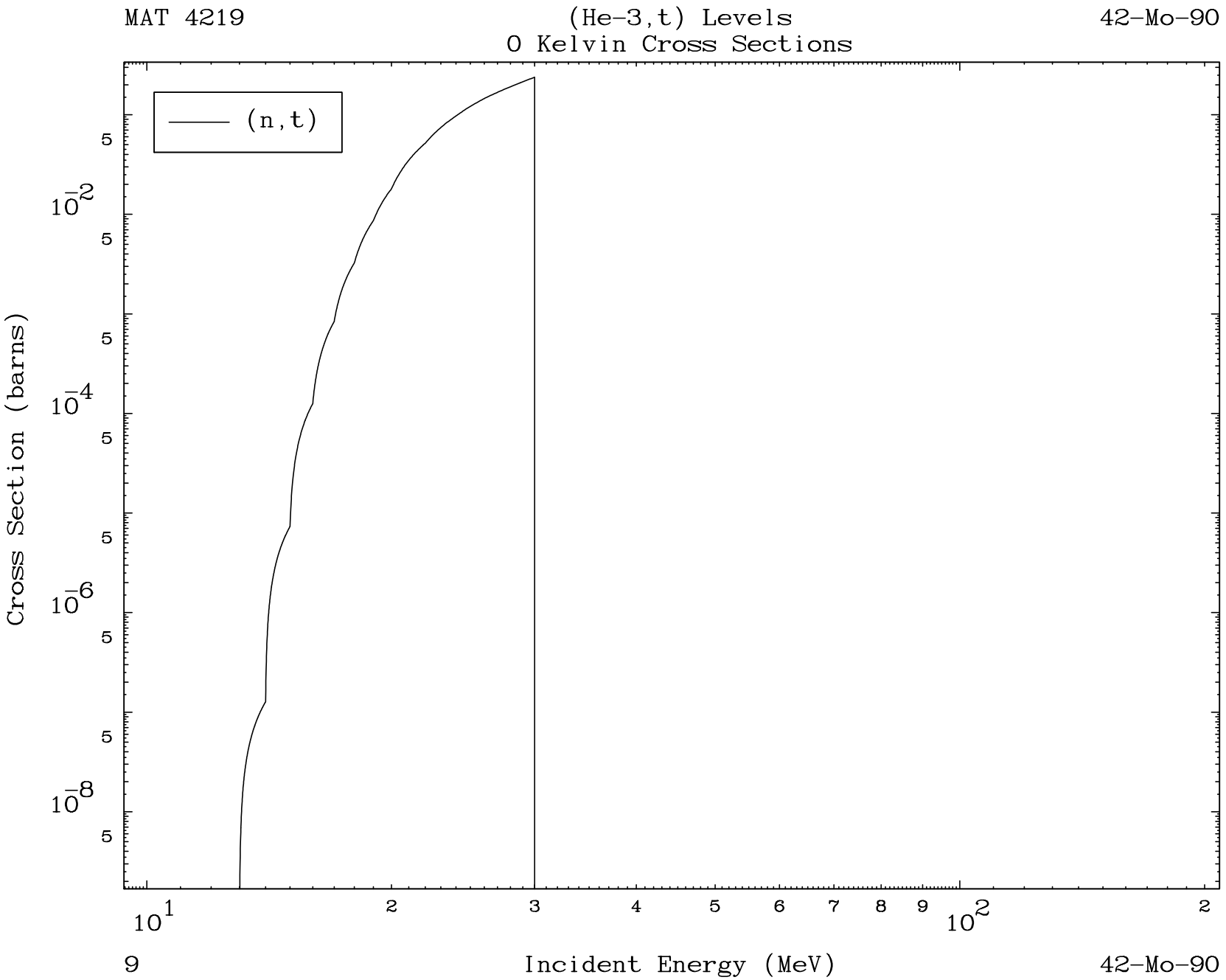

MAT 4219
He-3 Neutron Absorption
0 Kelvin Cross Sections
42-Mo-90
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
42-Mo-90

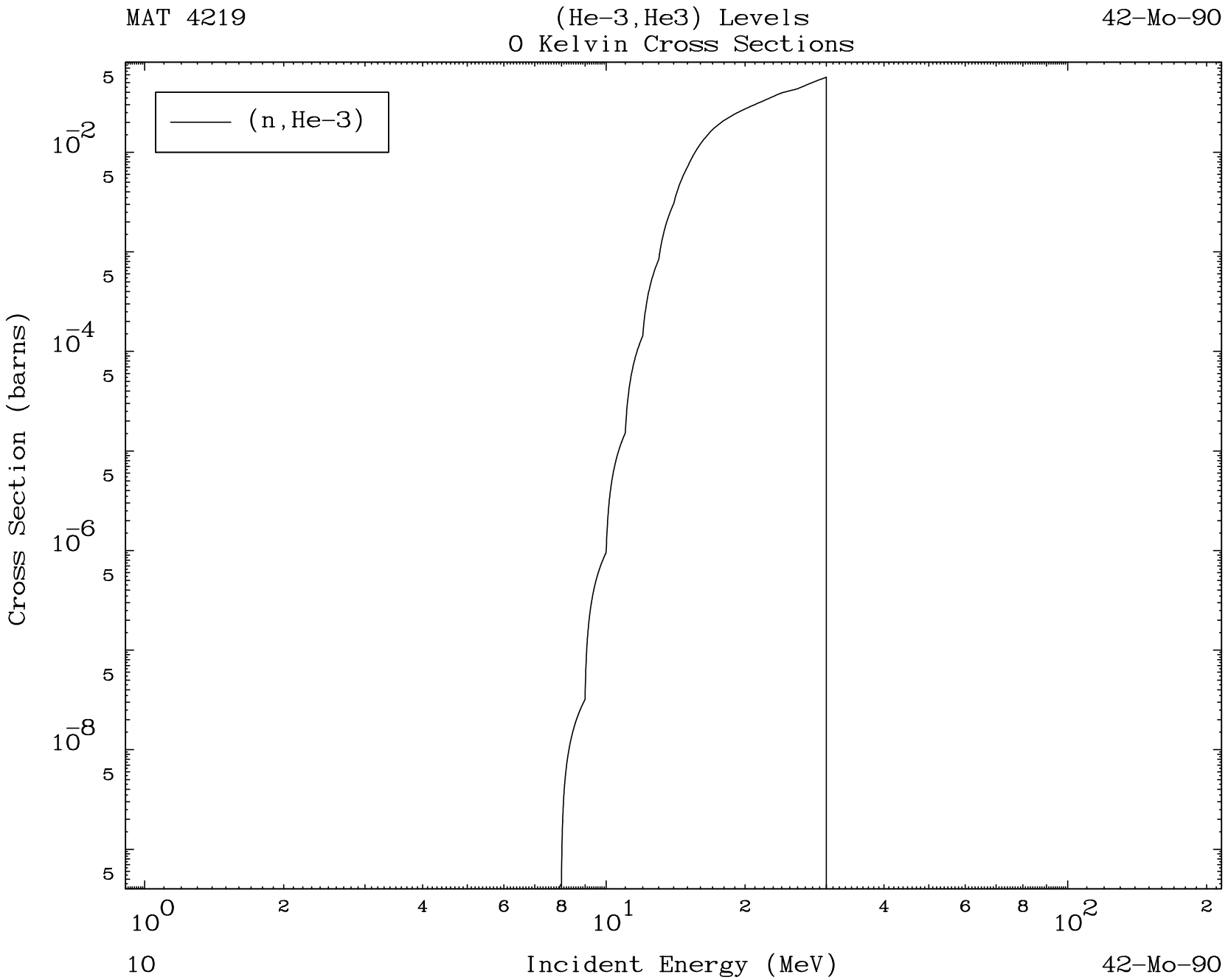

MAT 4219
He-3 Charged Particle
0 Kelvin Cross Sections
42-Mo-90
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
5
42-Mo-90

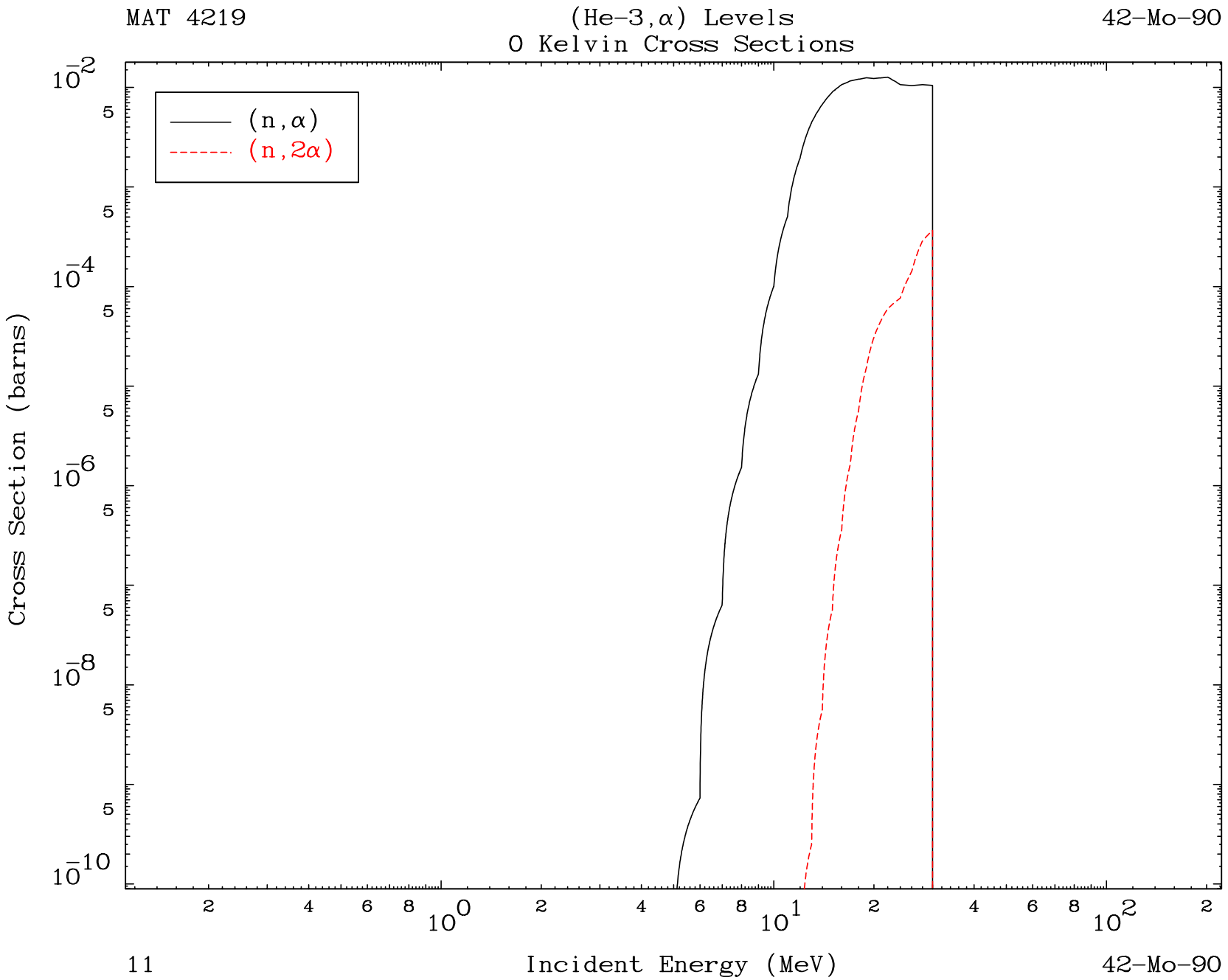

MAT 4219
He-3 Charged Particle
0 Kelvin Cross Sections
42-Mo-90
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
42-Mo-90

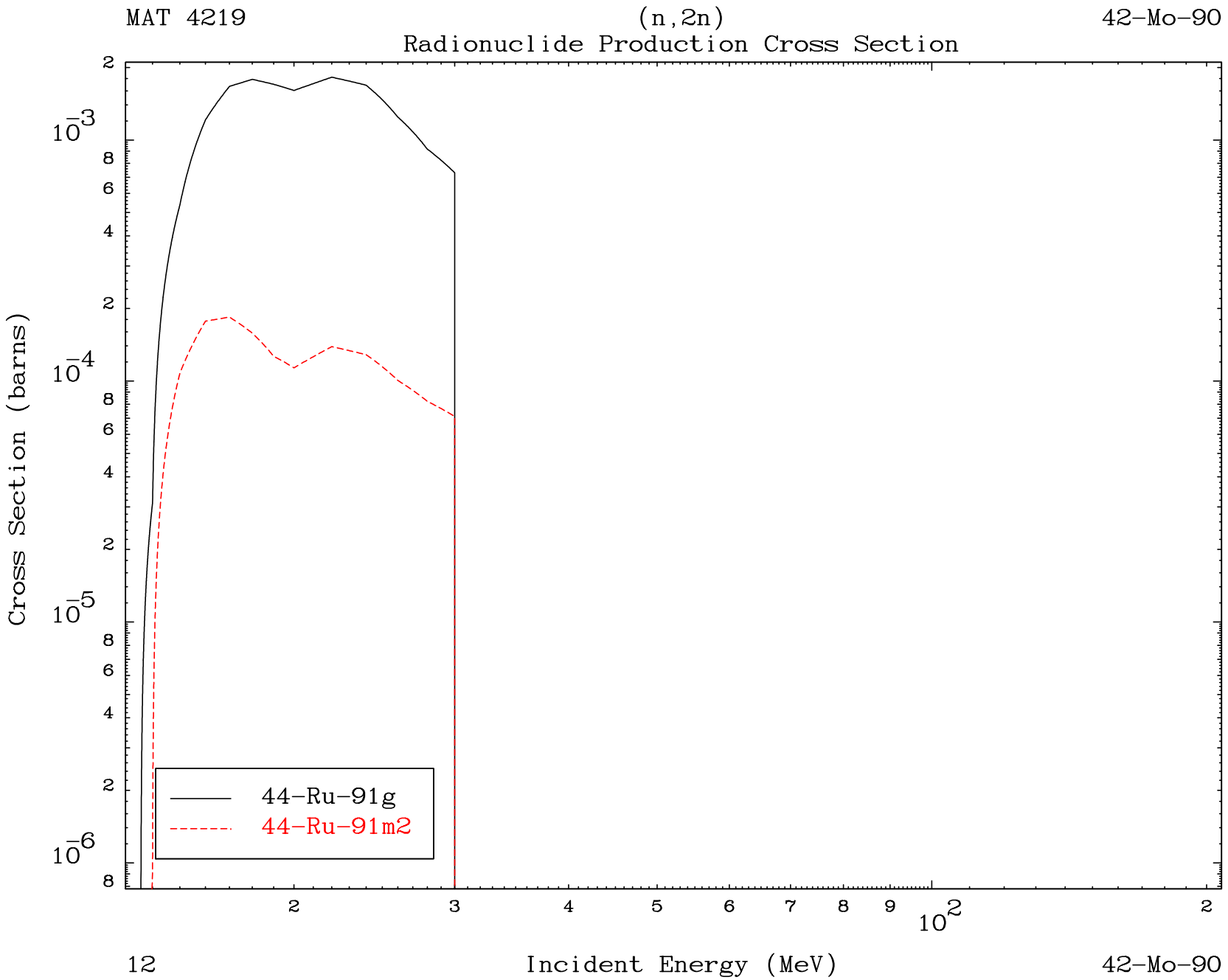

MAT 4219
(He-3,p) Levels
42-Mo-90
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
42-Mo-90

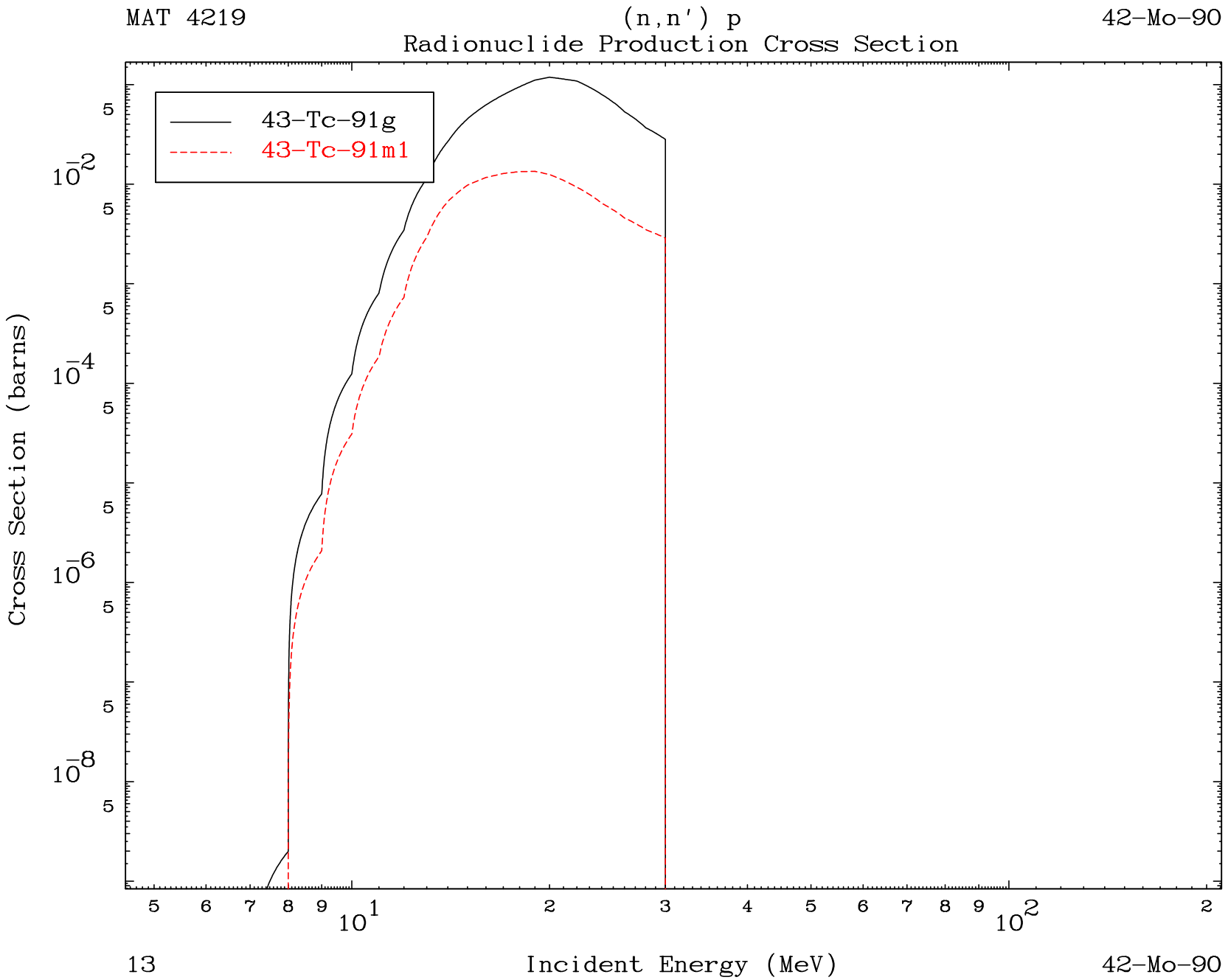

MAT 4219
(He-3,d) Levels
42-Mo-90
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
42-Mo-90

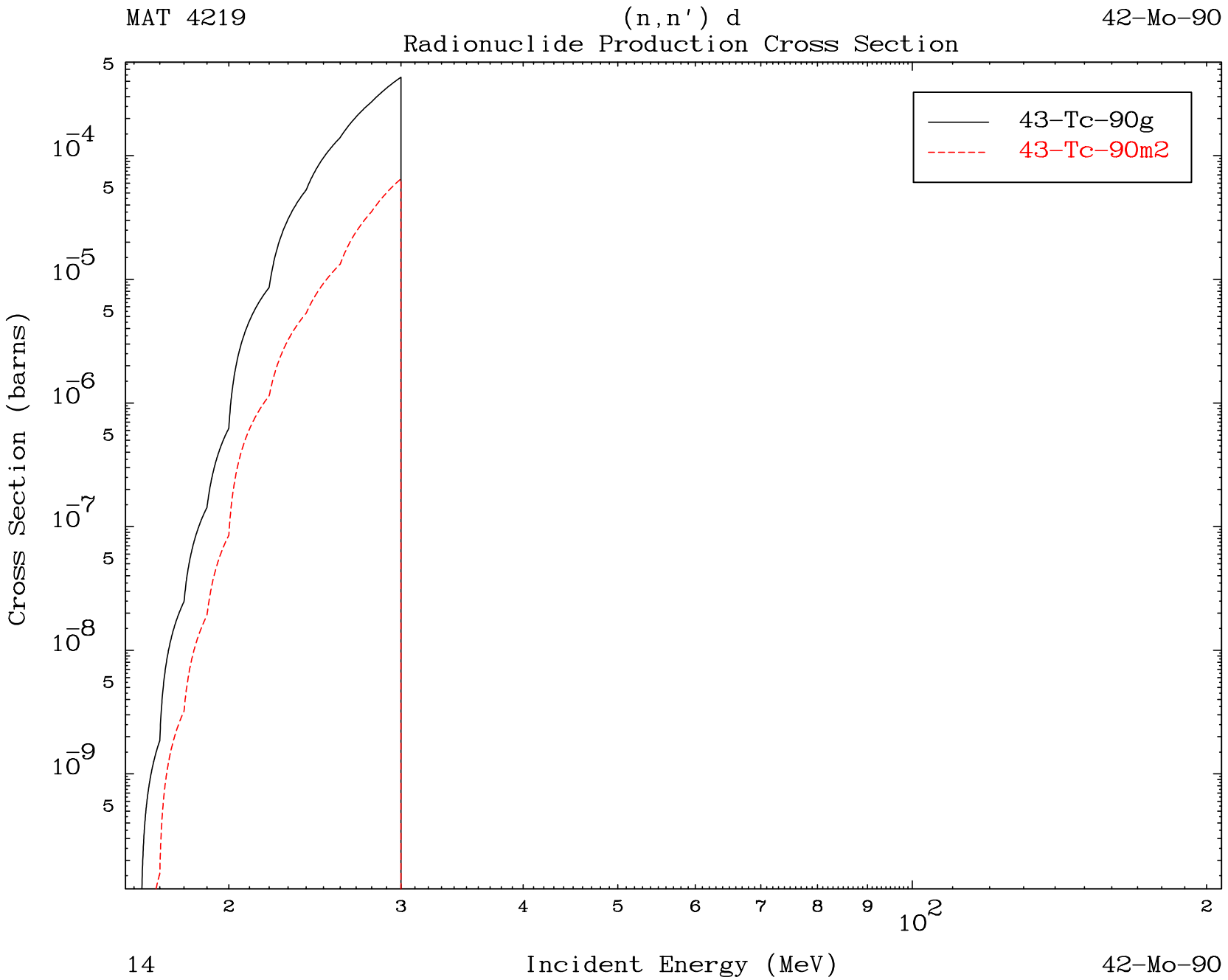

MAT 4219
(He-3,t) Levels
42-Mo-90
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
9
42-Mo-90

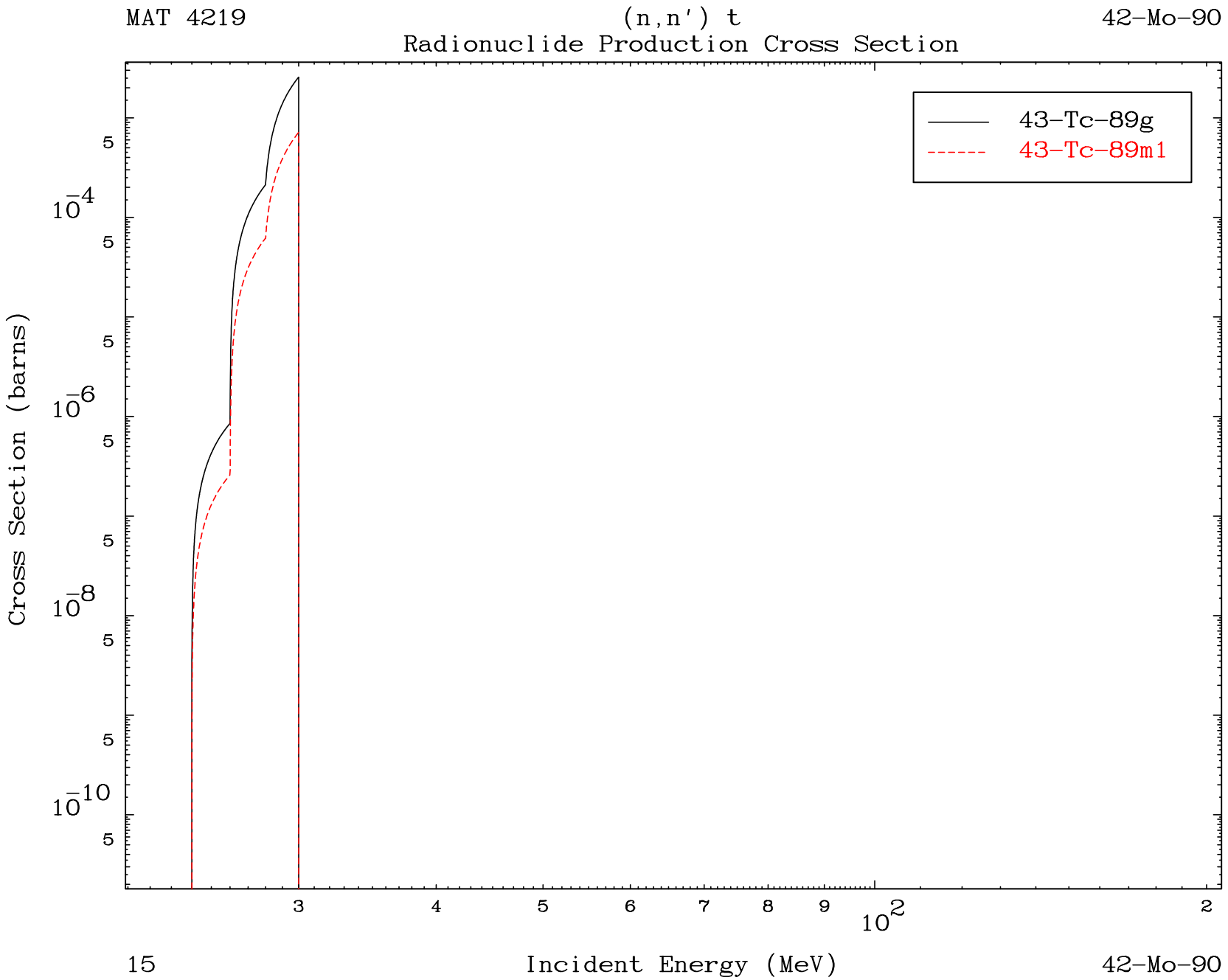

MAT 4219
(He-3,He3) Levels
42-Mo-90
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
42-Mo-90

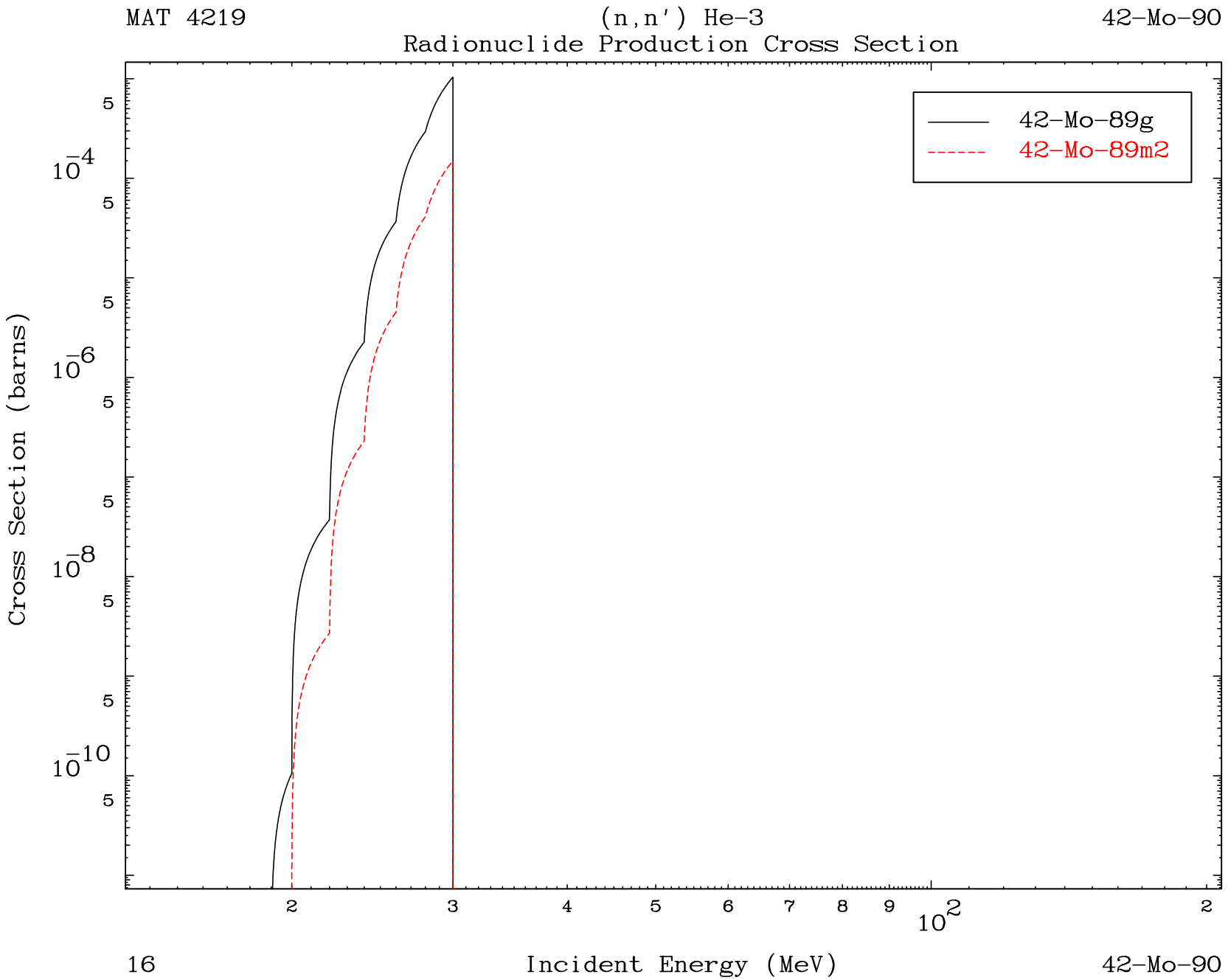

MAT 4219
(He-3,α) Levels
0 Kelvin Cross Sections
42-Mo-90
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
42-Mo-90

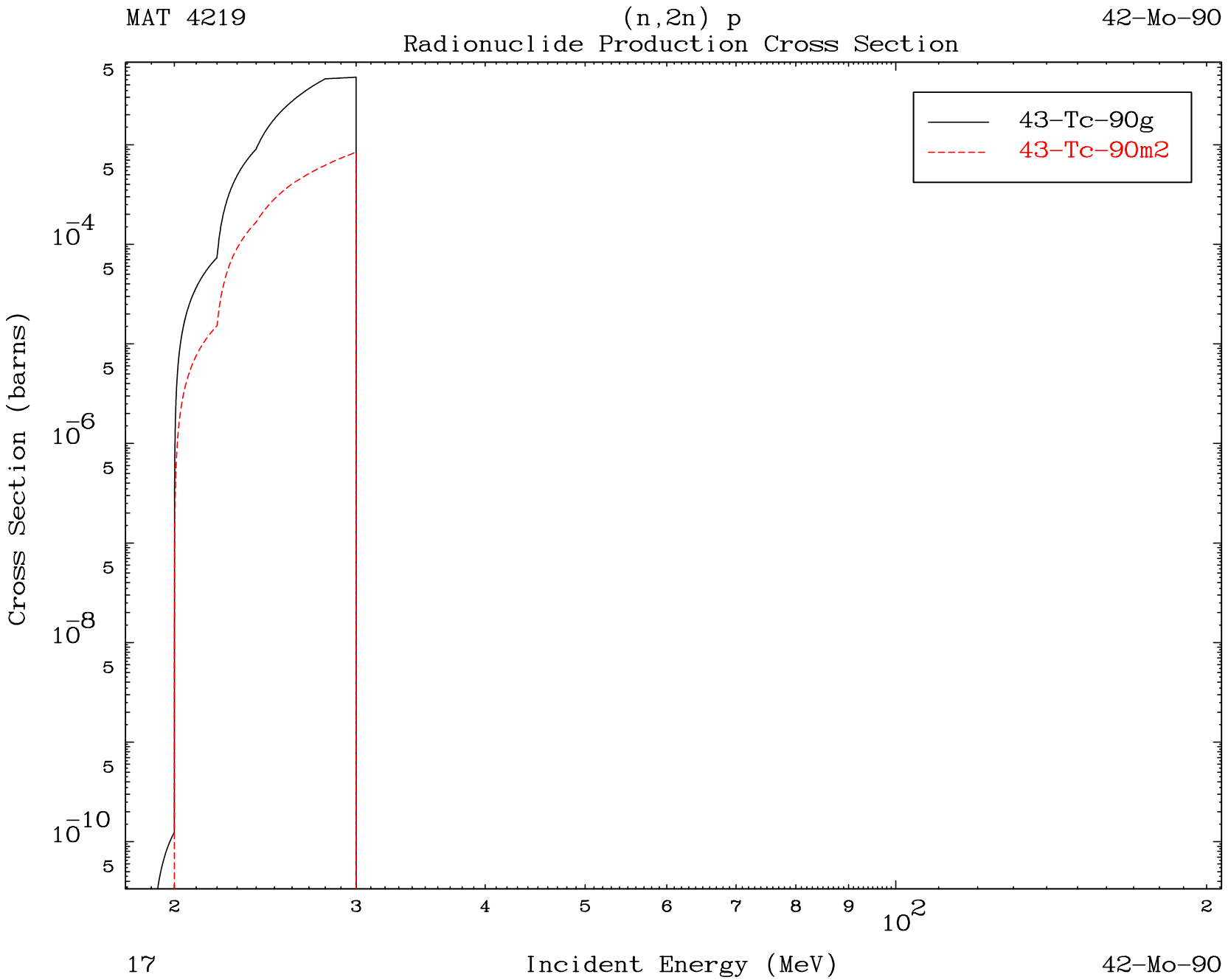

MAT 4219
(n,2n)
42-Mo-90
Radionuclide Production Cross Section
Cross Section (barns)
10-3
10-4
10-5
10-6
2
3
4
5
6
7
8
9
10 2
44-Ru-91g
44-Ru-91m2
12
Incident Energy (MeV)
42-Mo-90

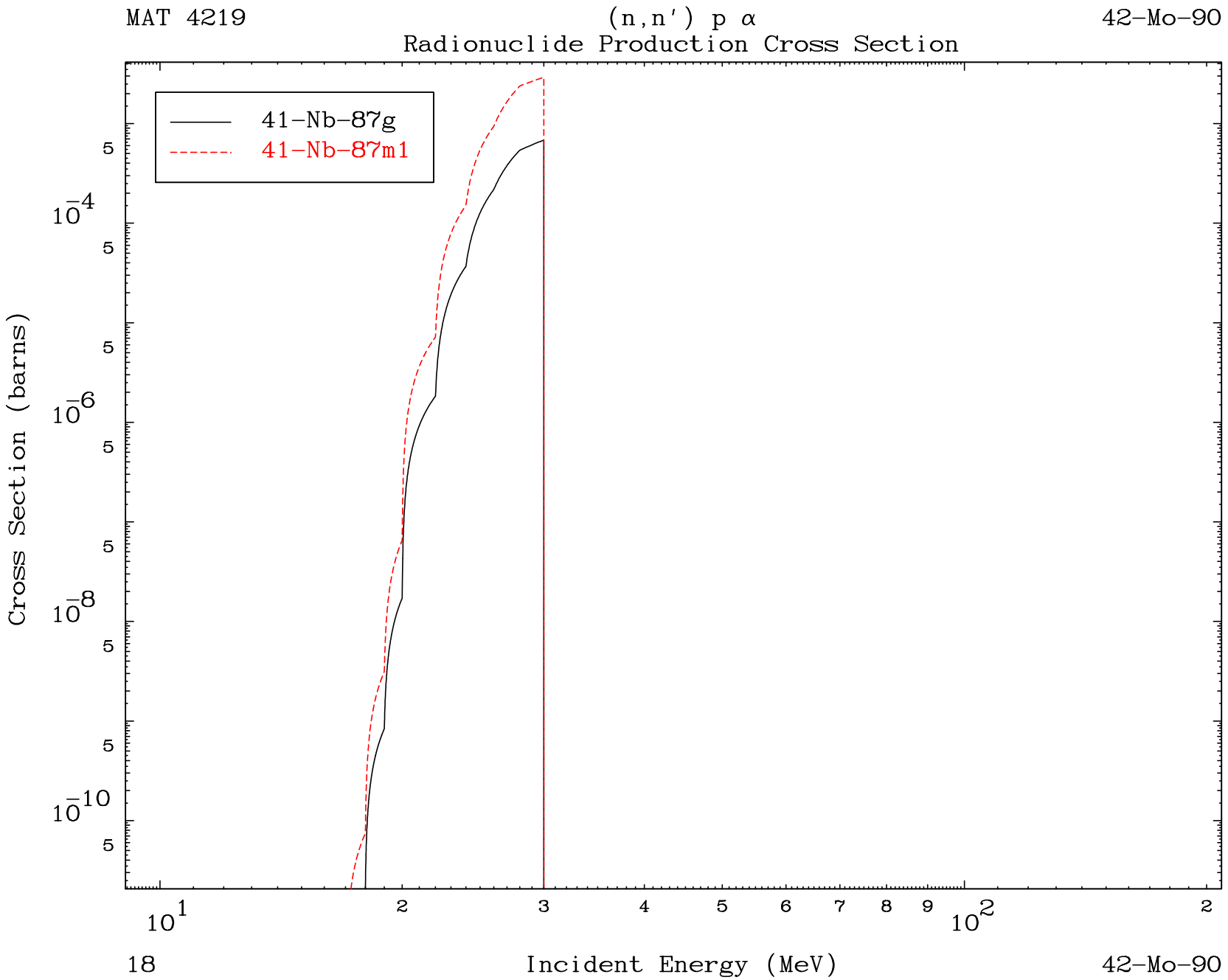

MAT 4219
(n,n') p
42-Mo-90
Radionuclide Production Cross Section
43-Tc-91g
43-Tc-91m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6
7
8
9
10 1
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
42-Mo-90

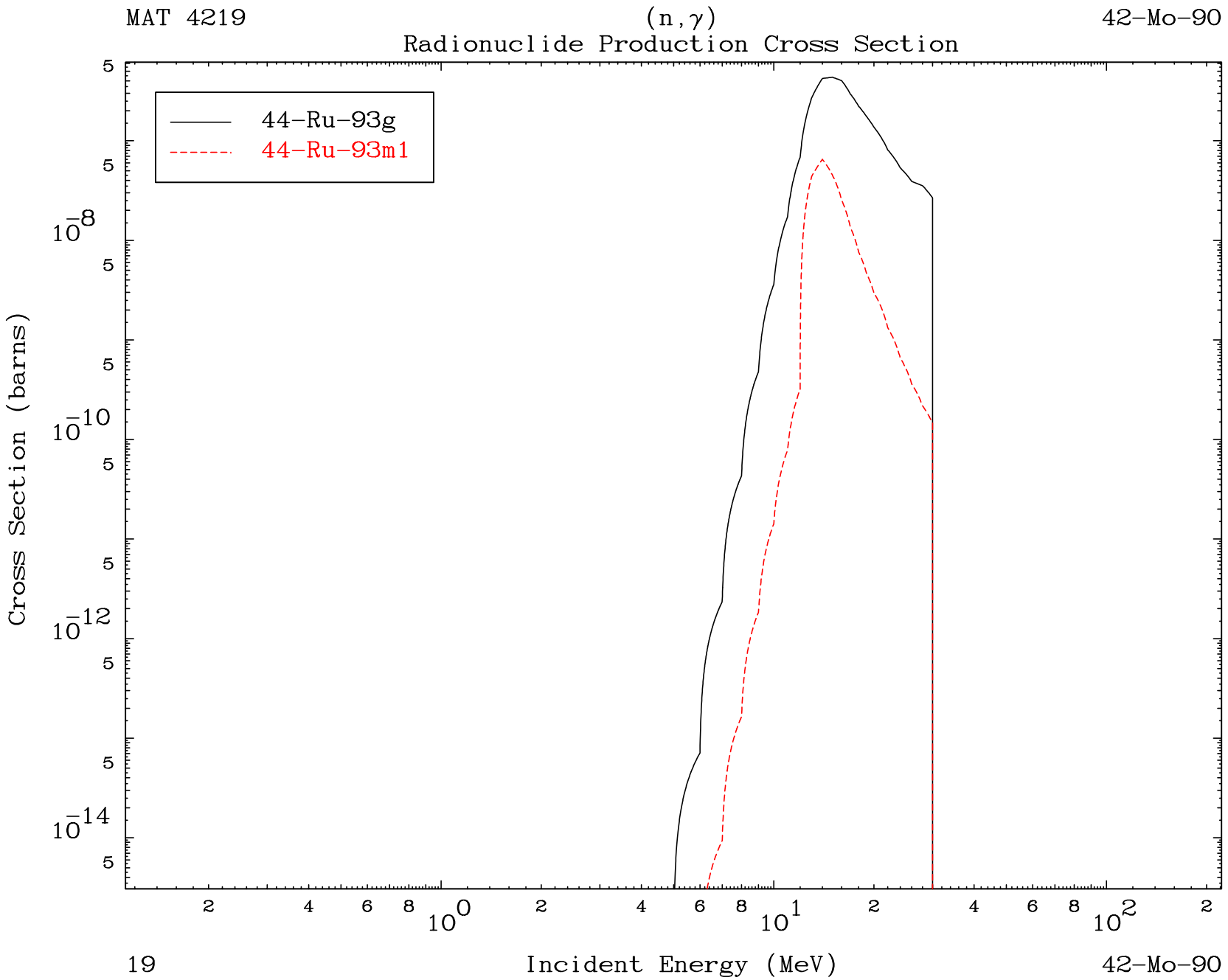

MAT 4219
(n,n') d
42-Mo-90
Radionuclide Production Cross Section
43-Tc-90g
43-Tc-90m2
Cross Section (barns)
Incident Energy (MeV)
14
42-Mo-90

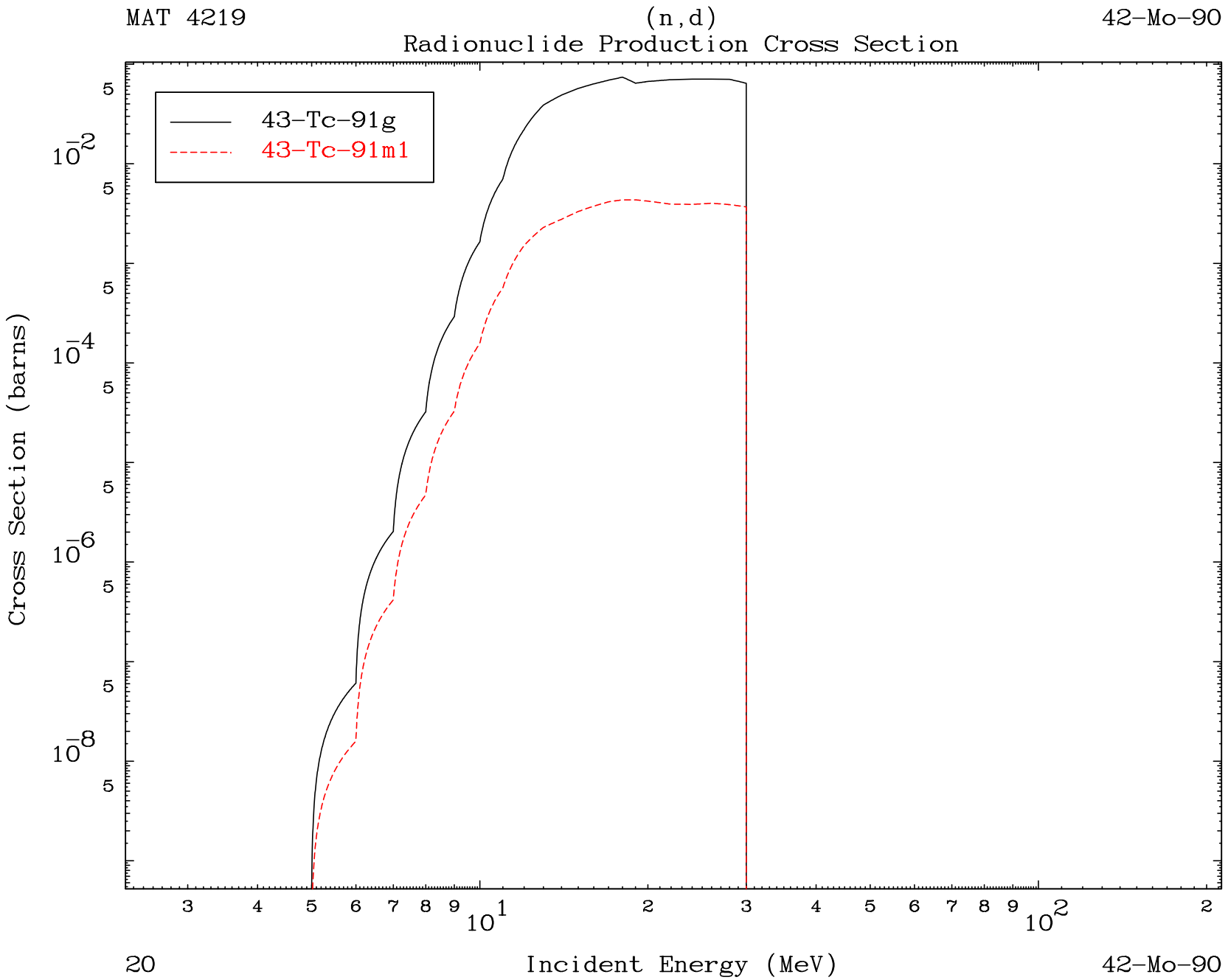

MAT 4219
(n,n') t
42-Mo-90
Radionuclide Production Cross Section
43-Tc-89g
43-Tc-89m1
Cross Section (barns)
10-4
10-6
10-8
10-10
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
42-Mo-90

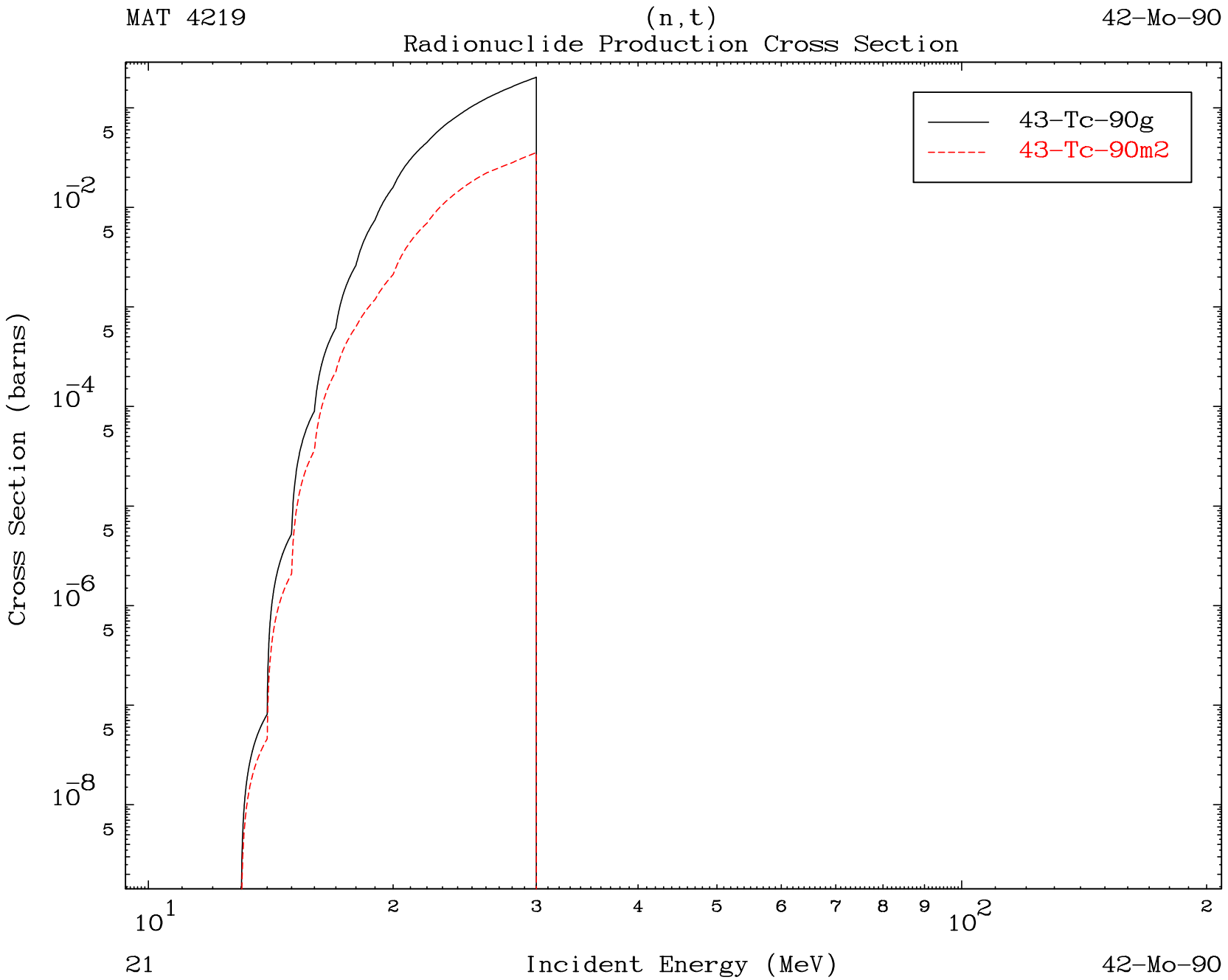

MAT 4219
(n,n') He-3
42-Mo-90
Radionuclide Production Cross Section
42-Mo-89g
42-Mo-89m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
16
42-Mo-90

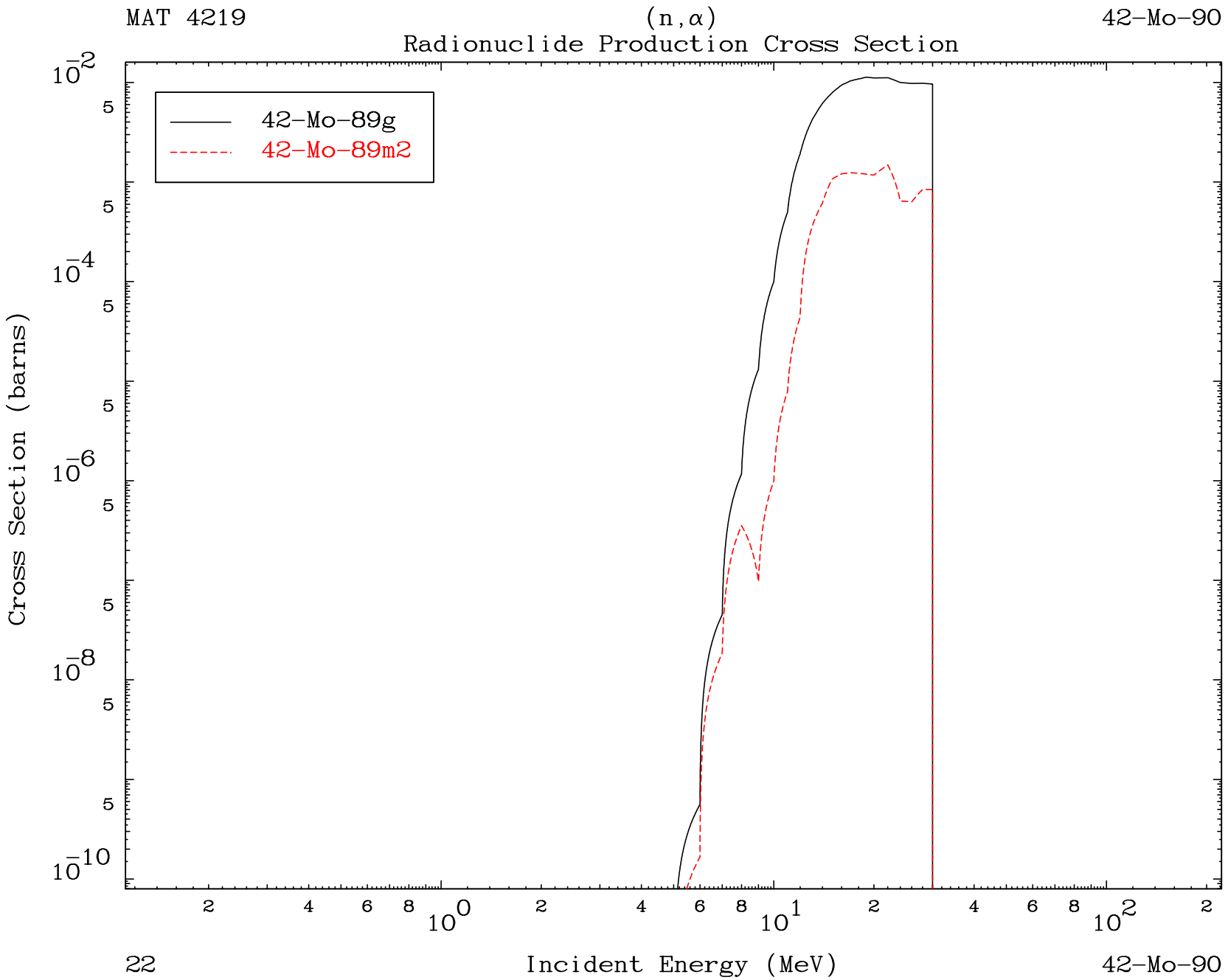

MAT 4219
(n,2n) p
42-Mo-90
Radionuclide Production Cross Section
43-Tc-90g
43-Tc-90m2
Cross Section (barns)
Incident Energy (MeV)
17
42-Mo-90

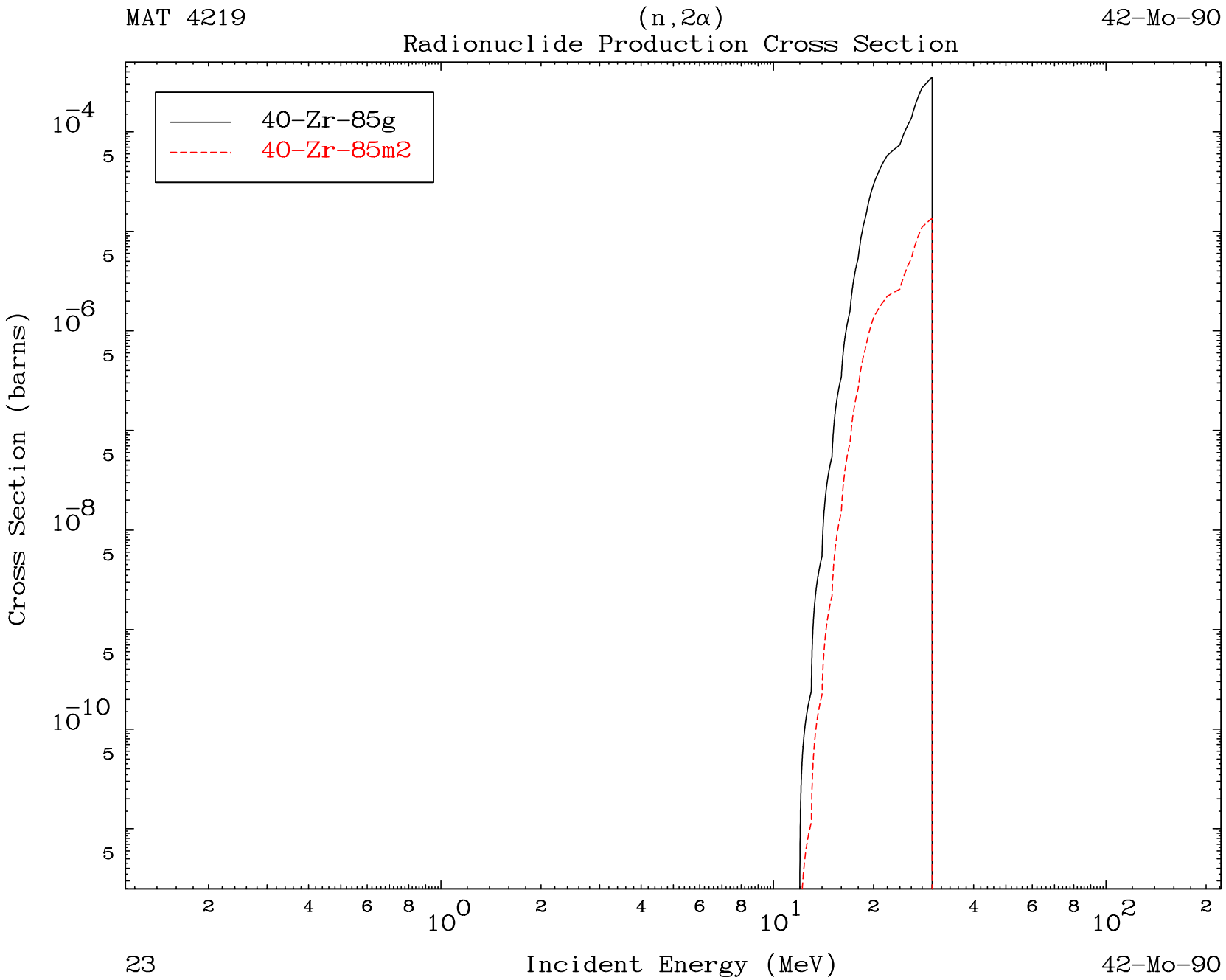

MAT 4219
(n,n') p α
42-Mo-90
Radionuclide Production Cross Section
41-Nb-87g
41-Nb-87m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
18
Incident Energy (MeV)
42-Mo-90

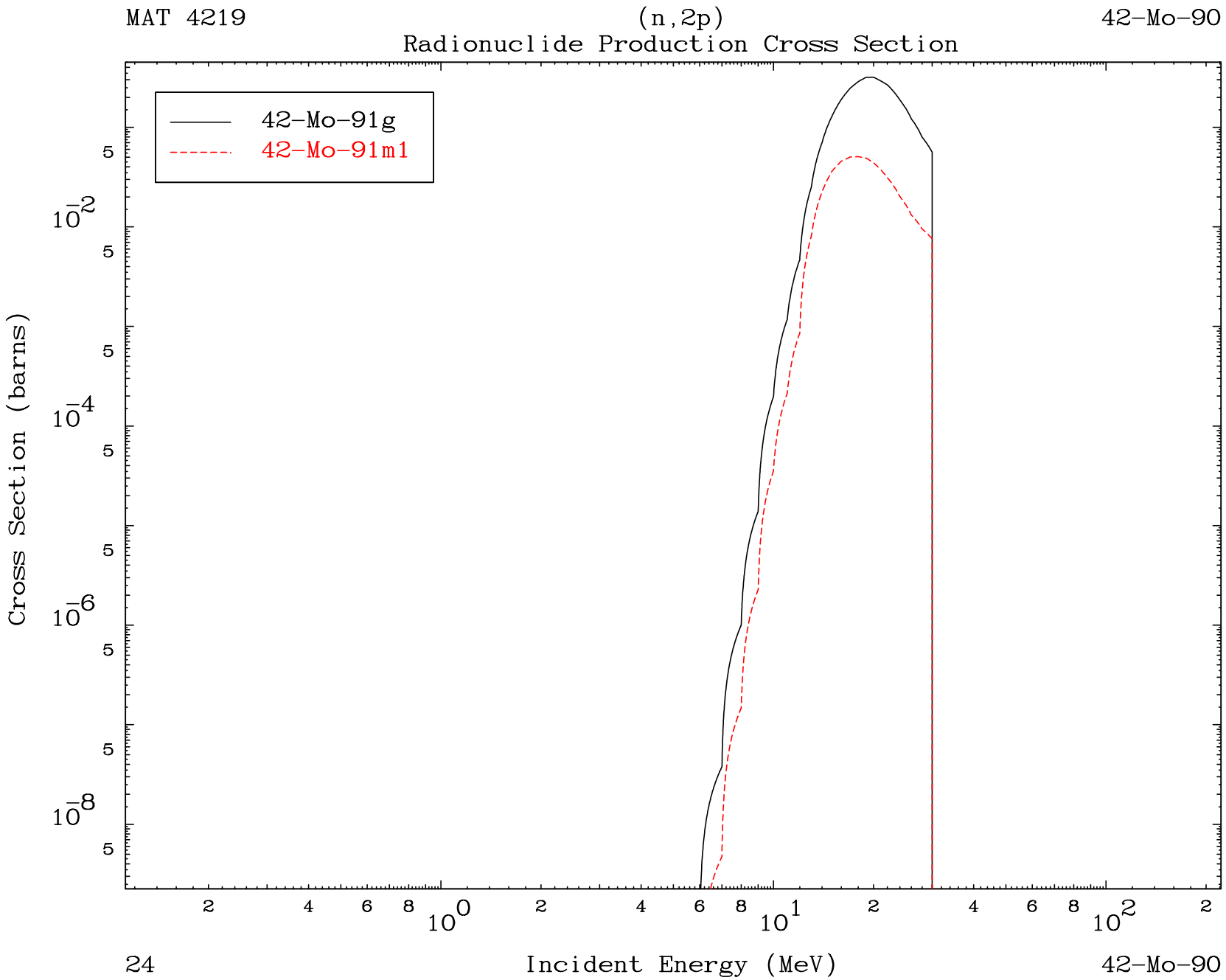

MAT 4219
(n,γ)
42-Mo-90
Radionuclide Production Cross Section
44-Ru-93g
44-Ru-93m1
Cross Section (barns)
Incident Energy (MeV)
19
42-Mo-90

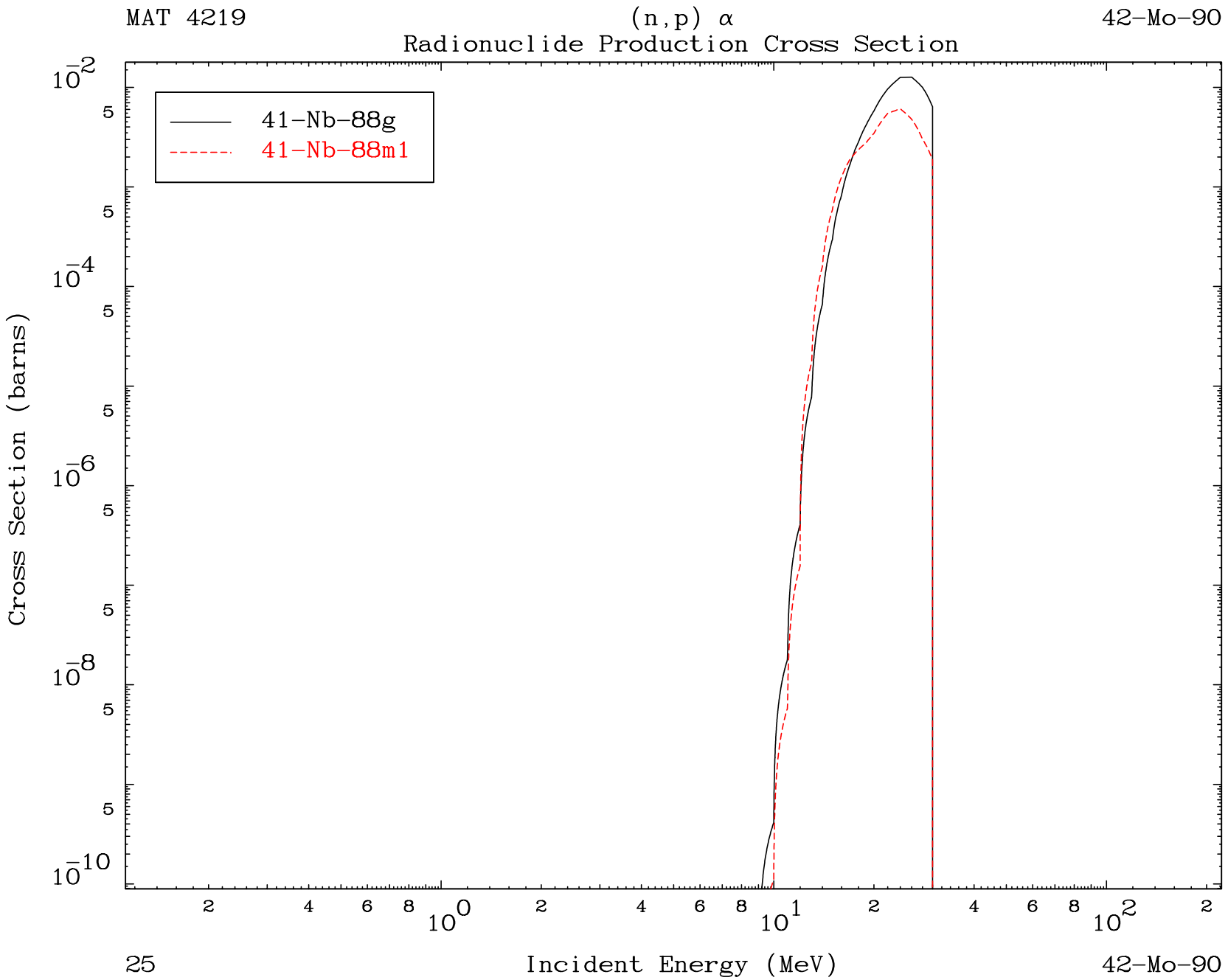

MAT 4219
(n,d)
42-Mo-90
Radionuclide Production Cross Section
43-Tc-91g
43-Tc-91m1
Cross Section (barns)
Incident Energy (MeV)
20
42-Mo-90

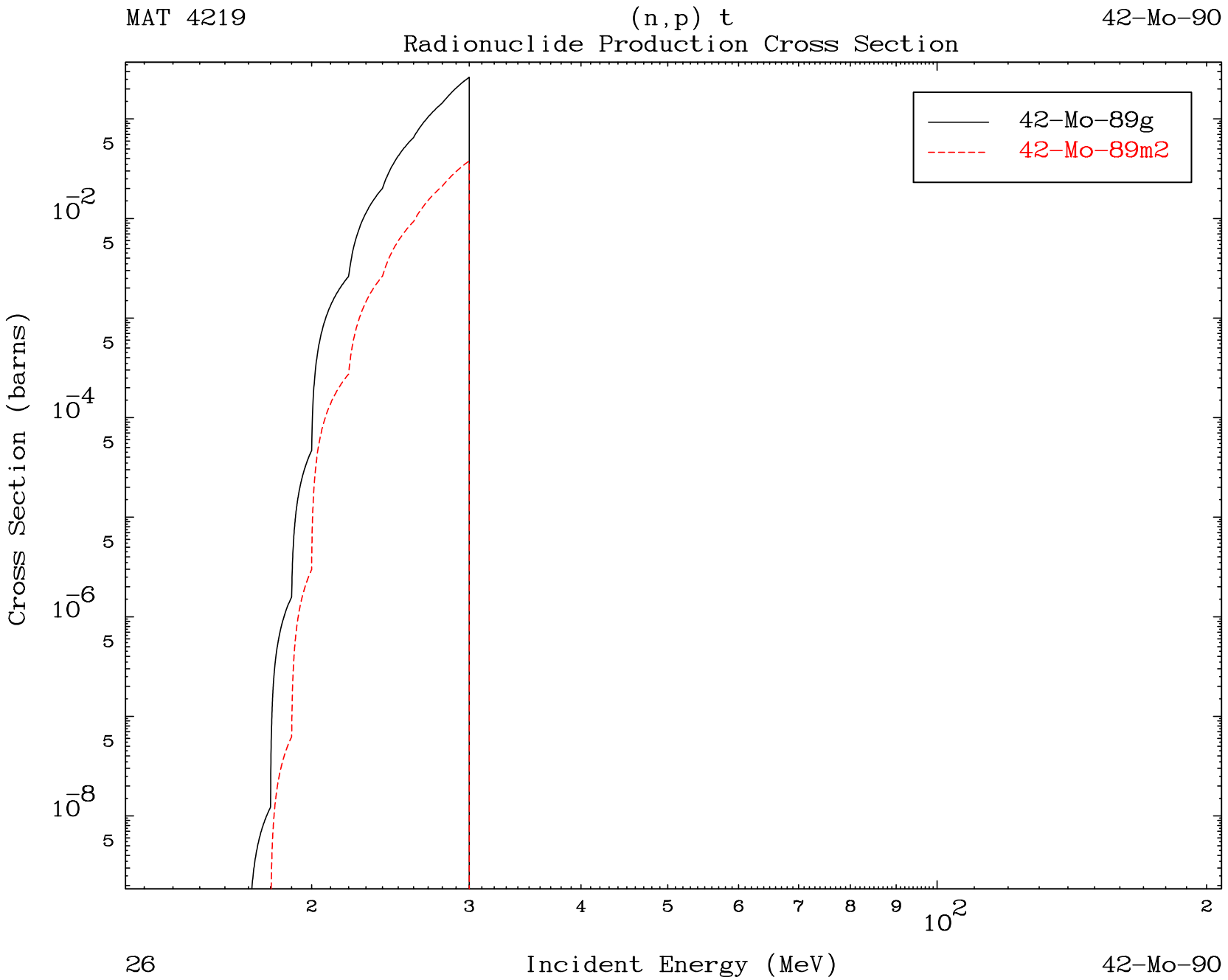

MAT 4219
(n,t)
42-Mo-90
Radionuclide Production Cross Section
43-Tc-90g
43-Tc-90m2
Cross Section (barns)
10-2
10-4
10-6
10-8
101
2
3
4
5
6
7
8
9
102
2
21
Incident Energy (MeV)
42-Mo-90

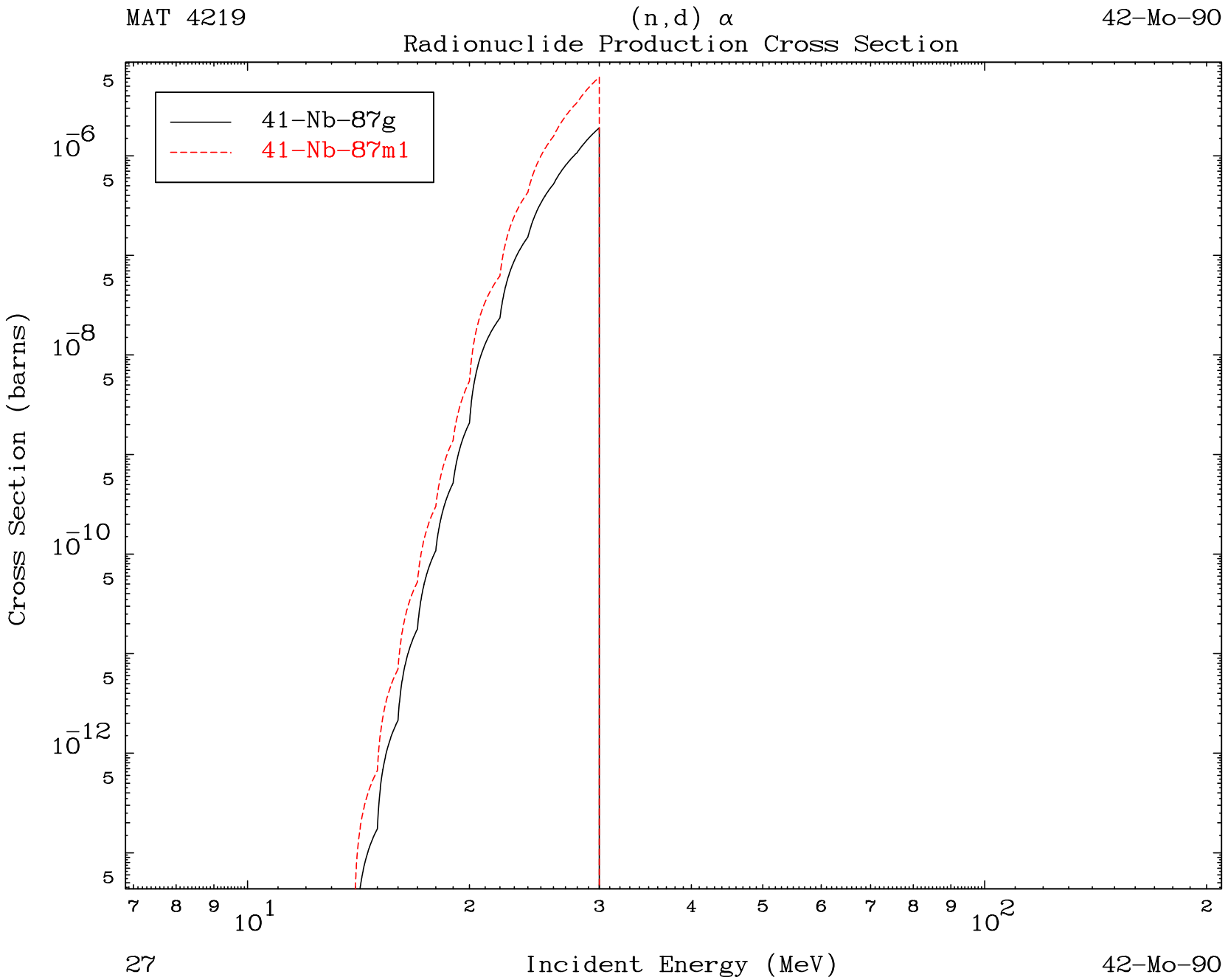

MAT 4219
(n,α)
42-Mo-90
Radionuclide Production Cross Section
42-Mo-89g
42-Mo-89m2
Cross Section (barns)
Incident Energy (MeV)
22
42-Mo-90


MAT 4219
(n,2α)
42-Mo-90
Radionuclide Production Cross Section
40-Zr-85g
40-Zr-85m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
100
101
102
2
4
6
8
23
Incident Energy (MeV)
42-Mo-90


MAT 4219
(n,2p)
42-Mo-90
Radionuclide Production Cross Section
42-Mo-91g
42-Mo-91m1
Cross Section (barns)
10-2
10-4
10-6
10-8
10 0
10 1
10 2
Incident Energy (MeV)
24
42-Mo-90


MAT 4219
(n,p) α
42-Mo-90
Radionuclide Production Cross Section
41-Nb-88g
41-Nb-88m1
Cross Section (barns)
Incident Energy (MeV)
25
42-Mo-90


MAT 4219
(n,p) t
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
26
Incident Energy (MeV)
42-Mo-90


MAT 4219
(n,d) α
42-Mo-90
Radionuclide Production Cross Section
41-Nb-87g
41-Nb-87m1
Cross Section (barns)
Incident Energy (MeV)
27
42-Mo-90