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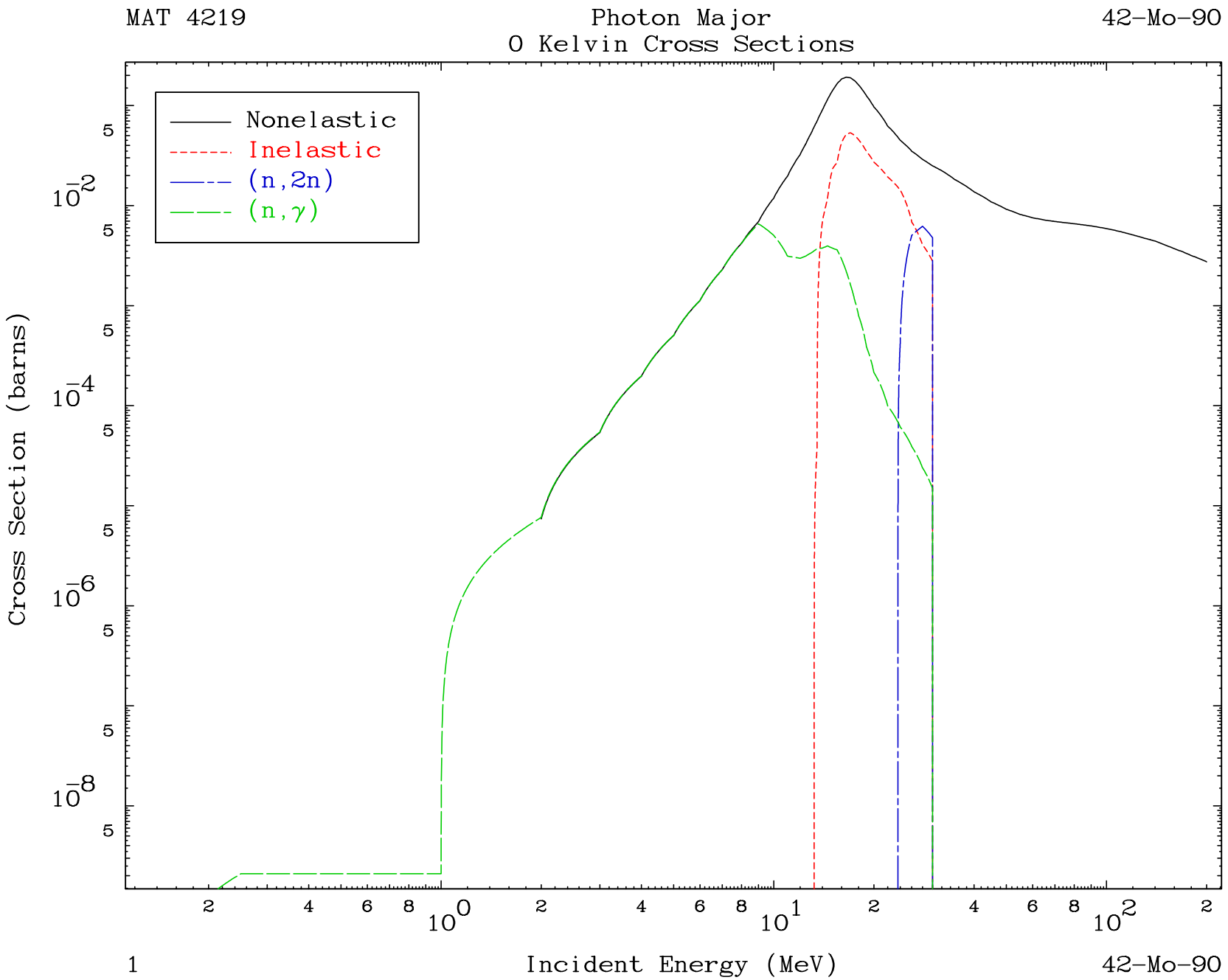
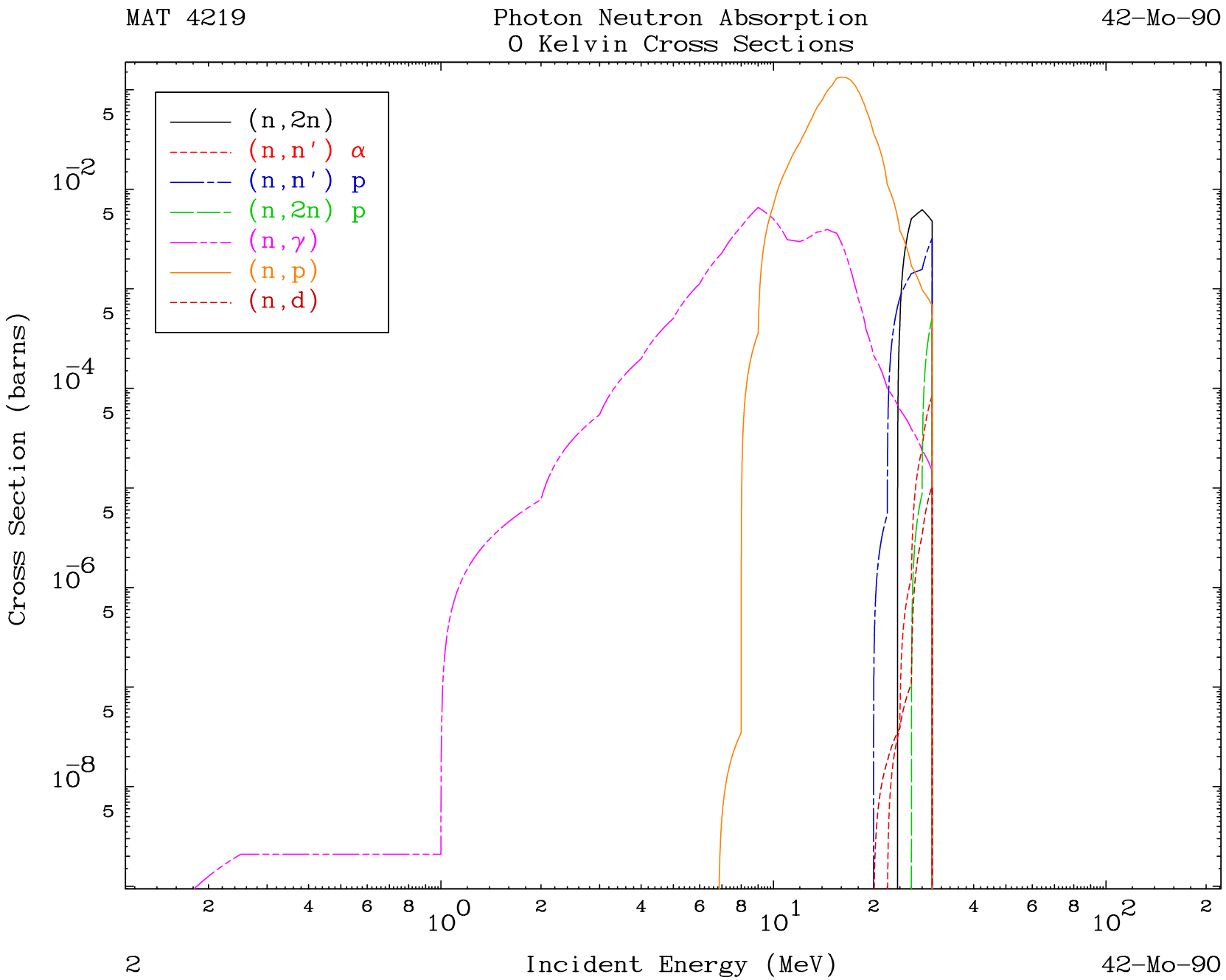
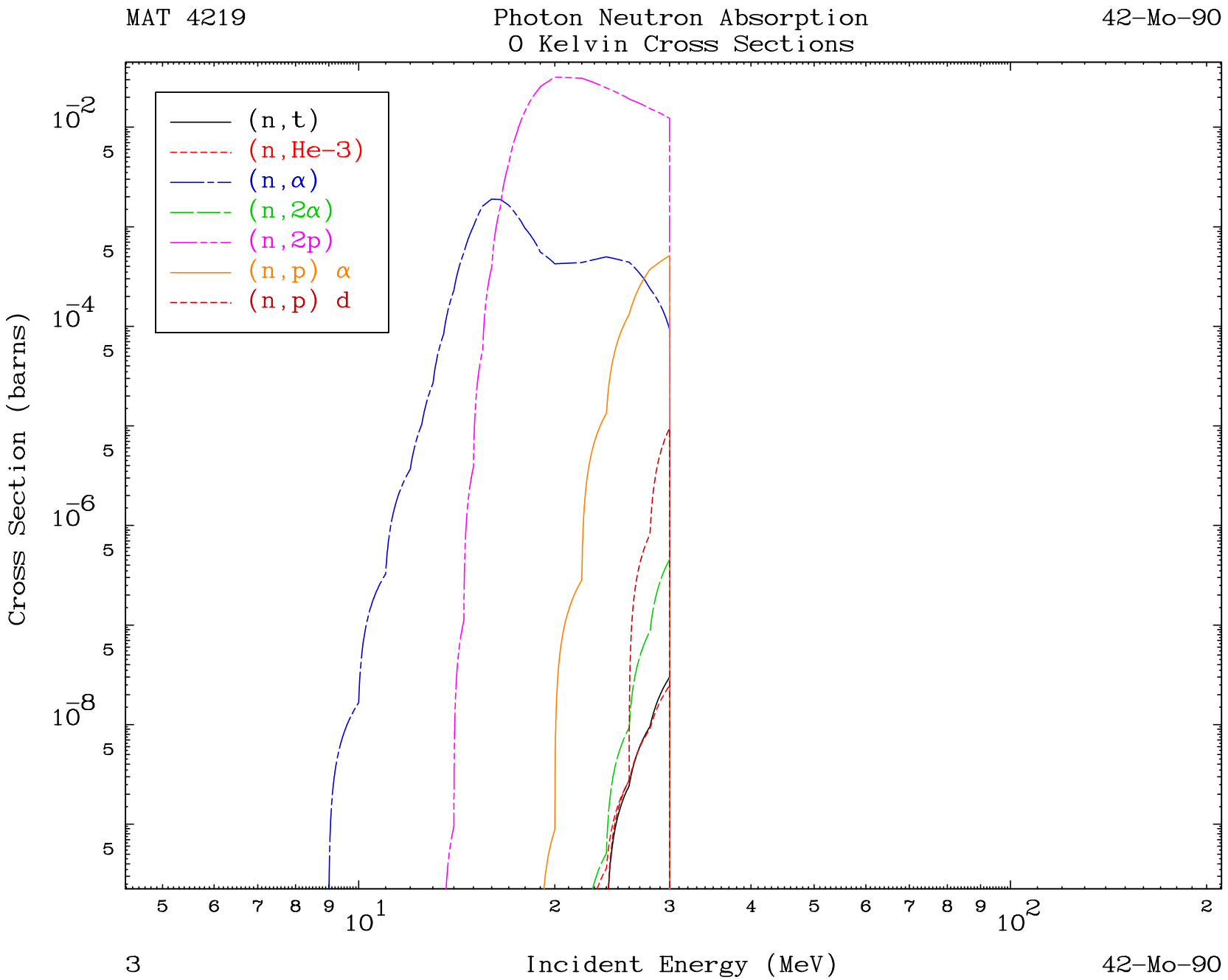
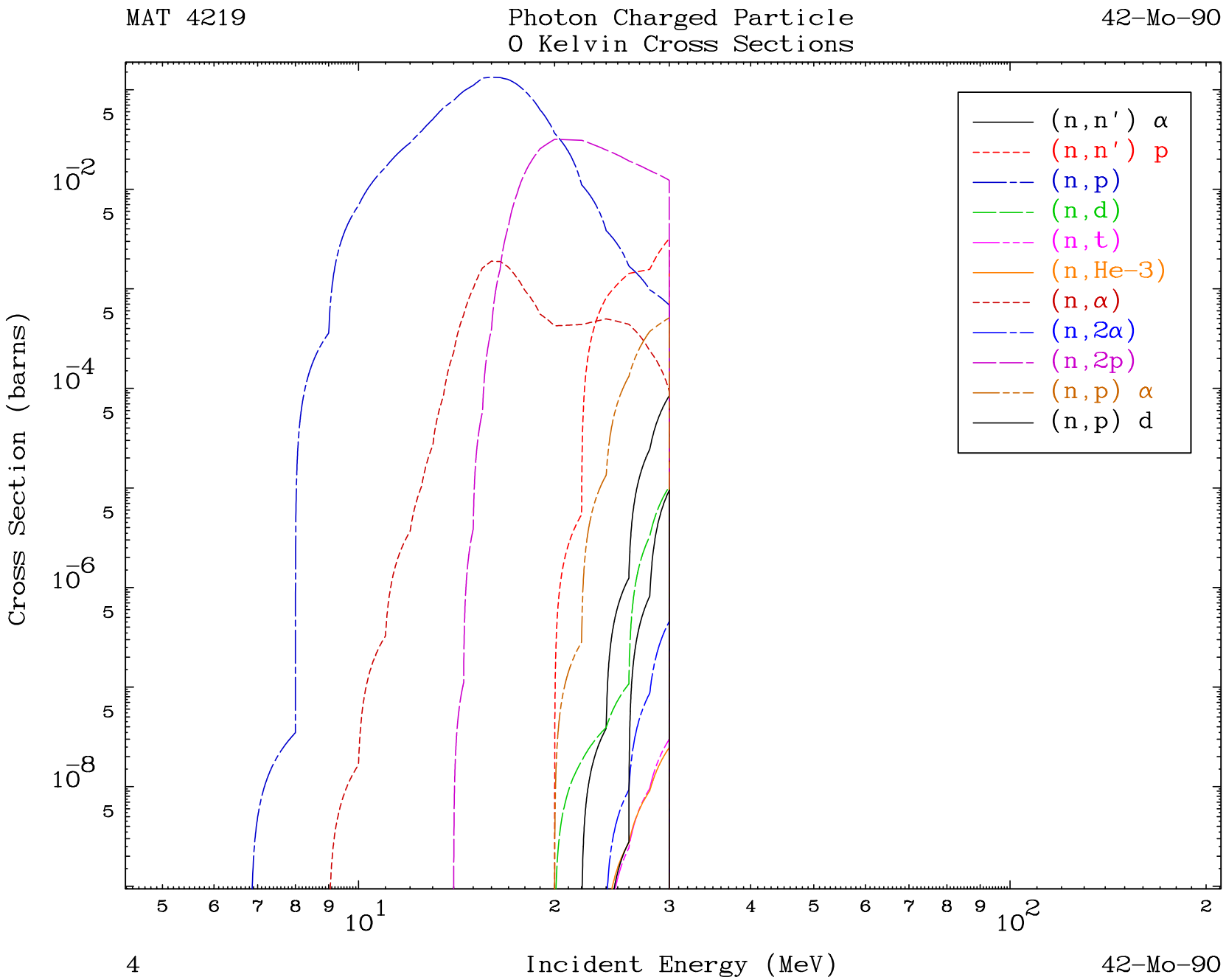
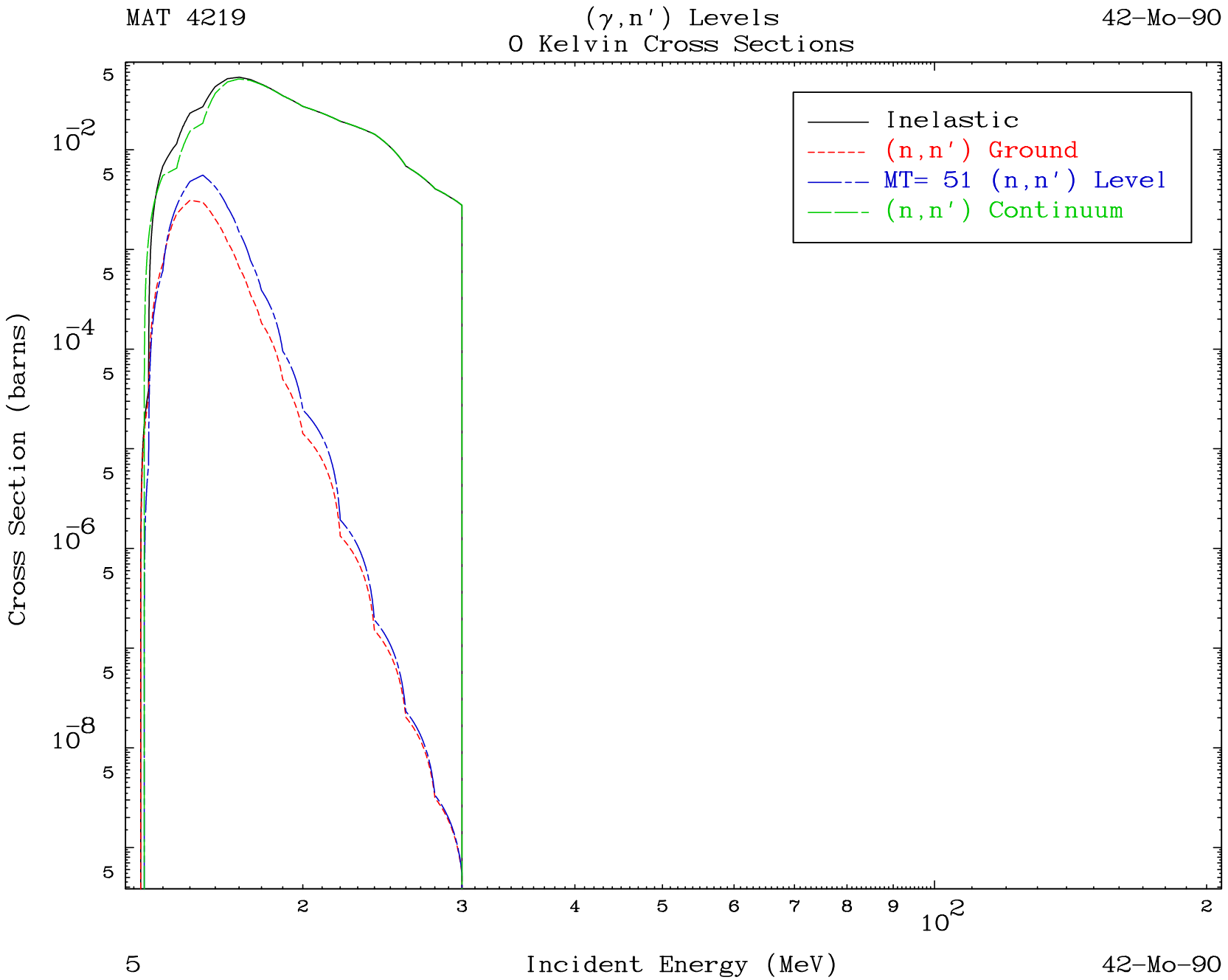
Press Mouse Button to Start

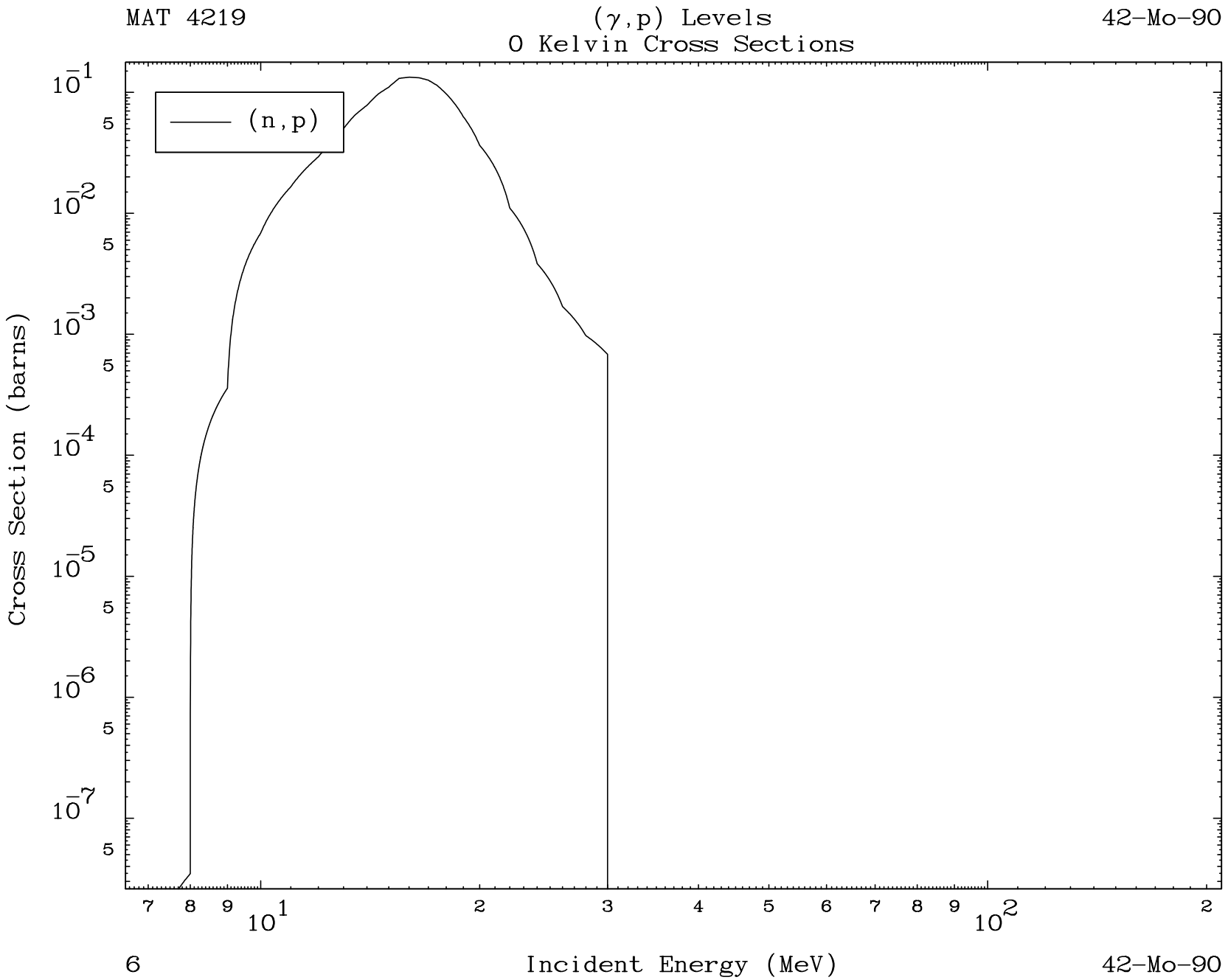

MAT 4219
Photon Major
42-Mo-90
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
42-Mo-90

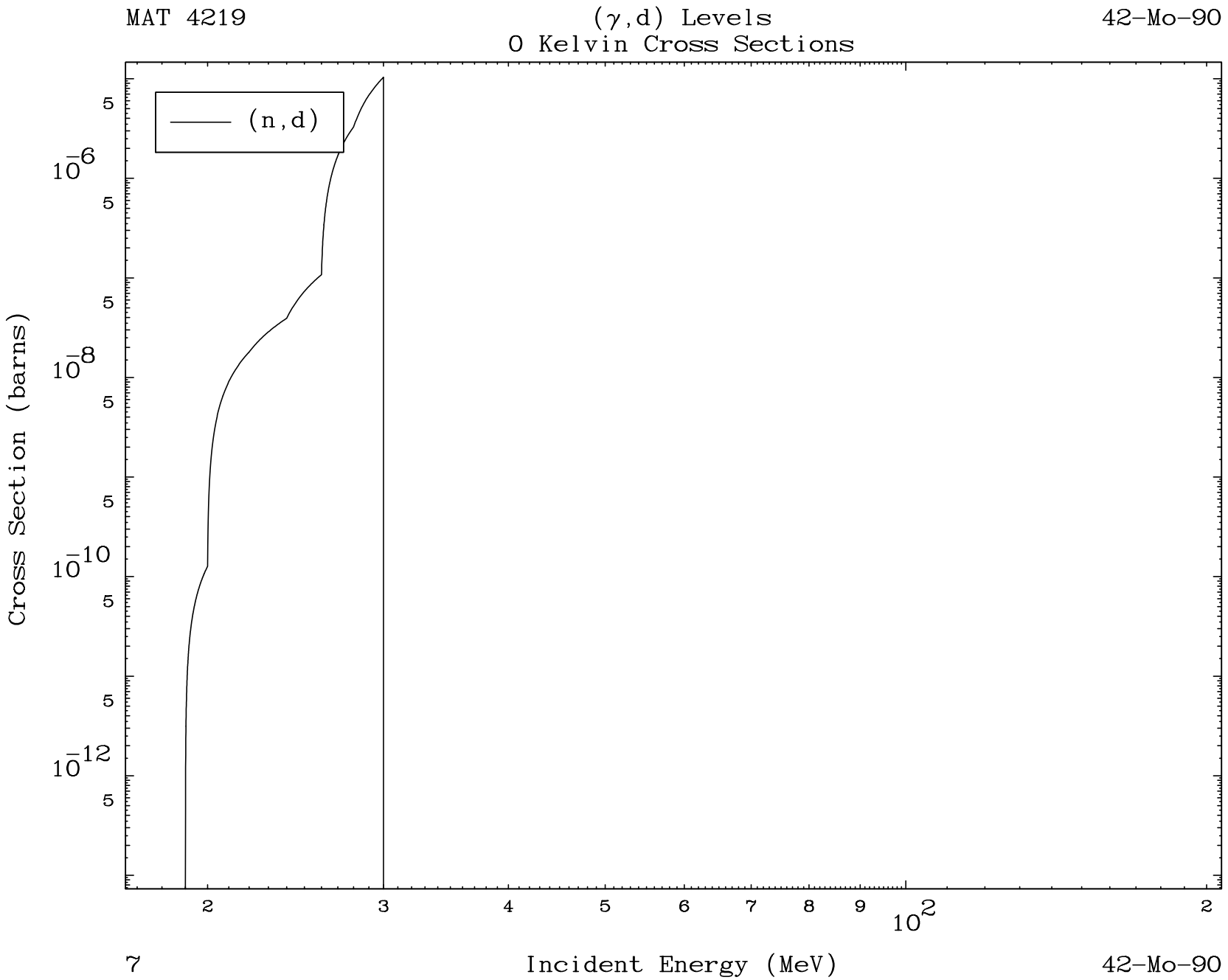

MAT 4219
Photon Neutron Absorption
0 Kelvin Cross Sections
42-Mo-90
(n,2n)
(n,n') α
(n,n') p
(n,2n) p
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
2
42-Mo-90

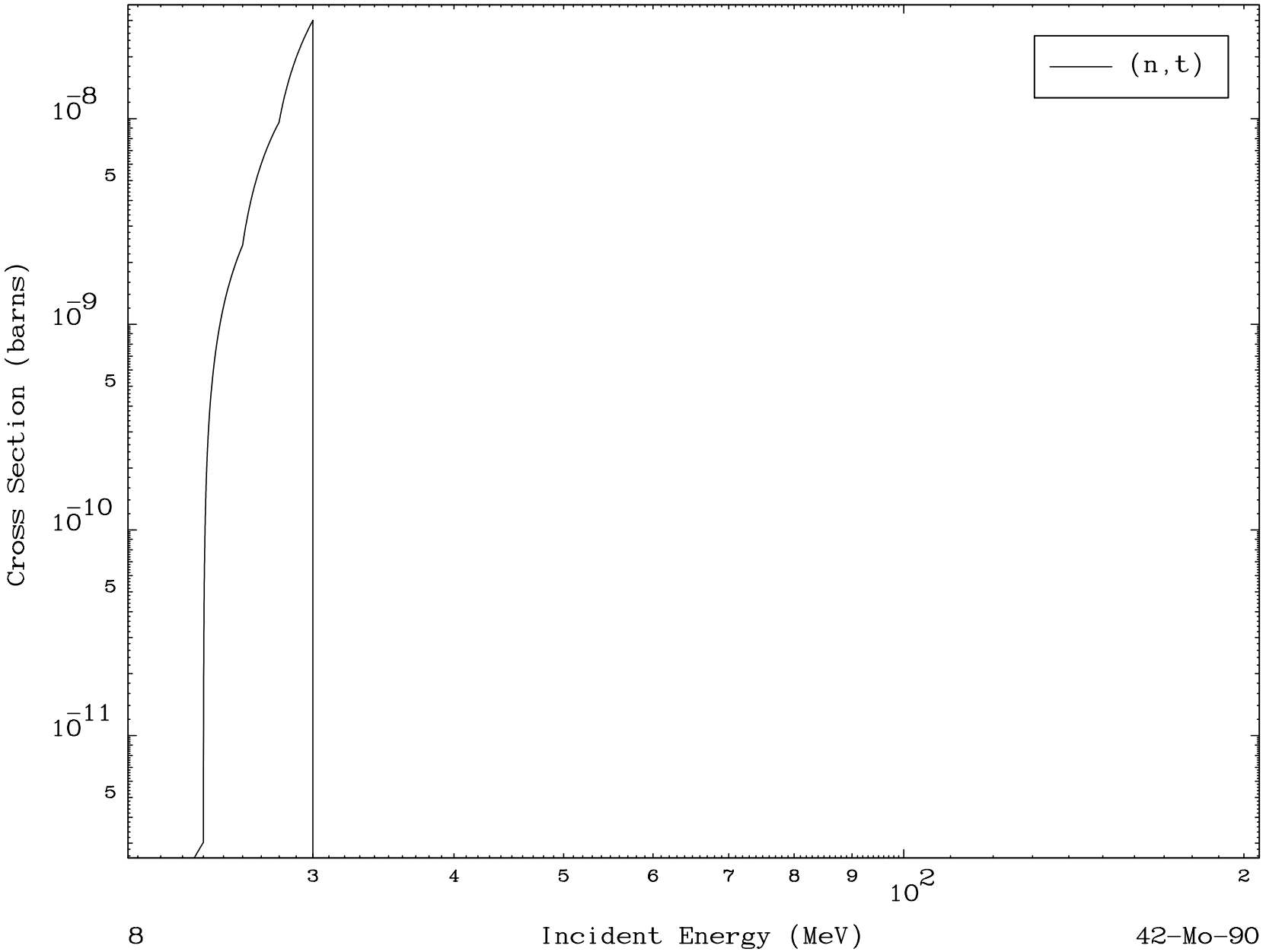

MAT 4219
Photon Neutron Absorption
0 Kelvin Cross Sections
42-Mo-90
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
3
42-Mo-90

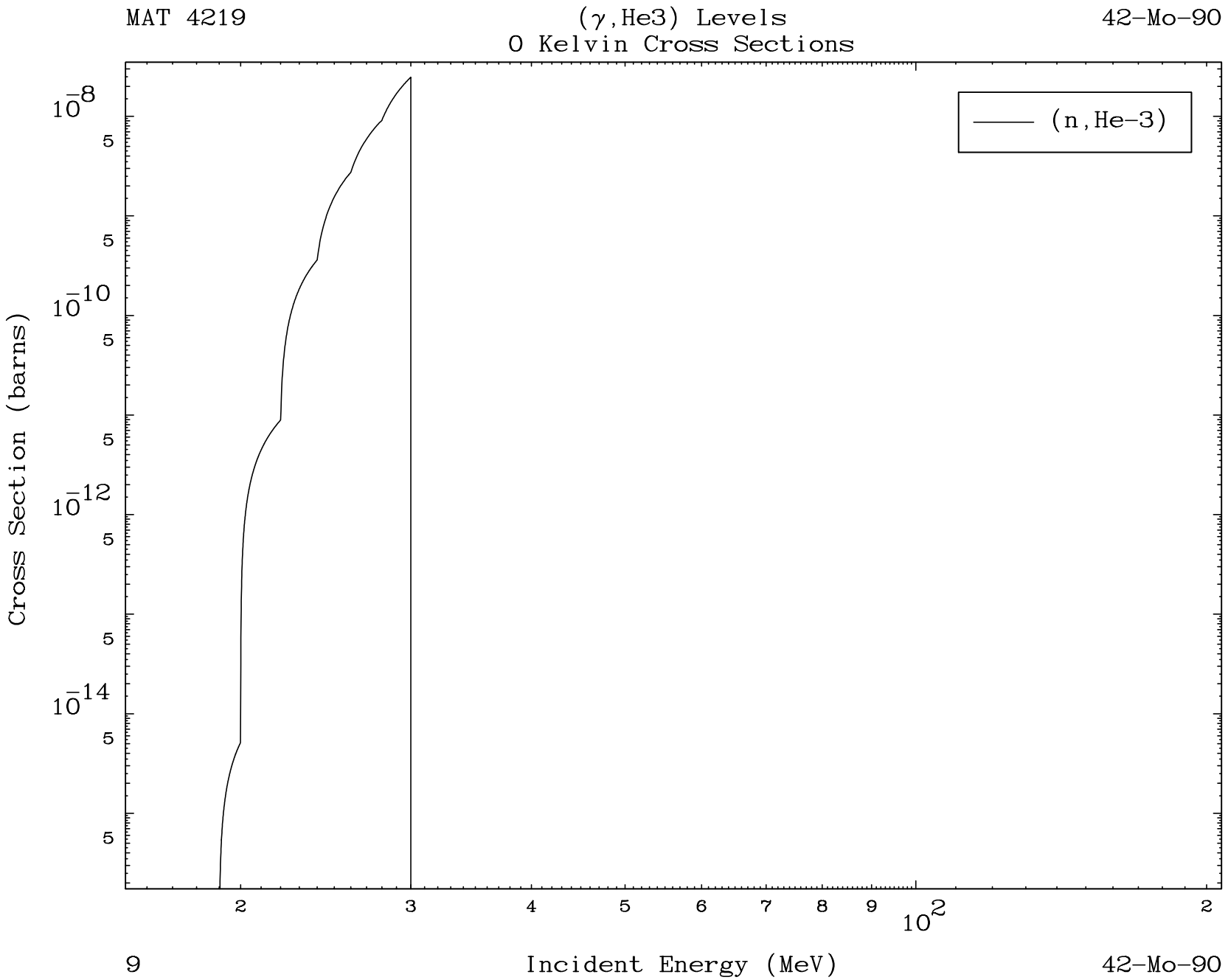

MAT 4219
Photon Charged Particle
0 Kelvin Cross Sections
42-Mo-90
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
4
42-Mo-90

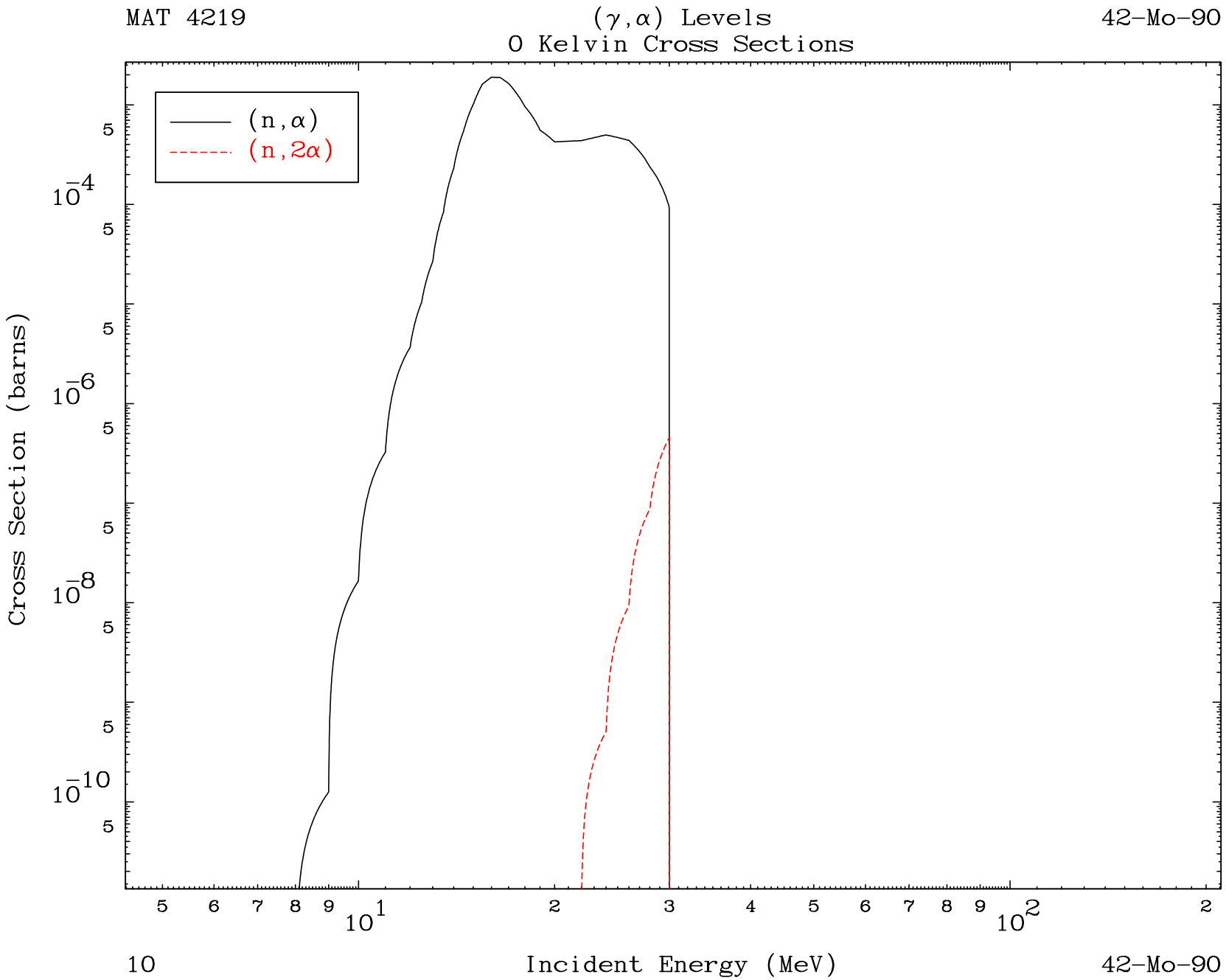

MAT 4219
(γ,n') Levels
42-Mo-90
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
42-Mo-90

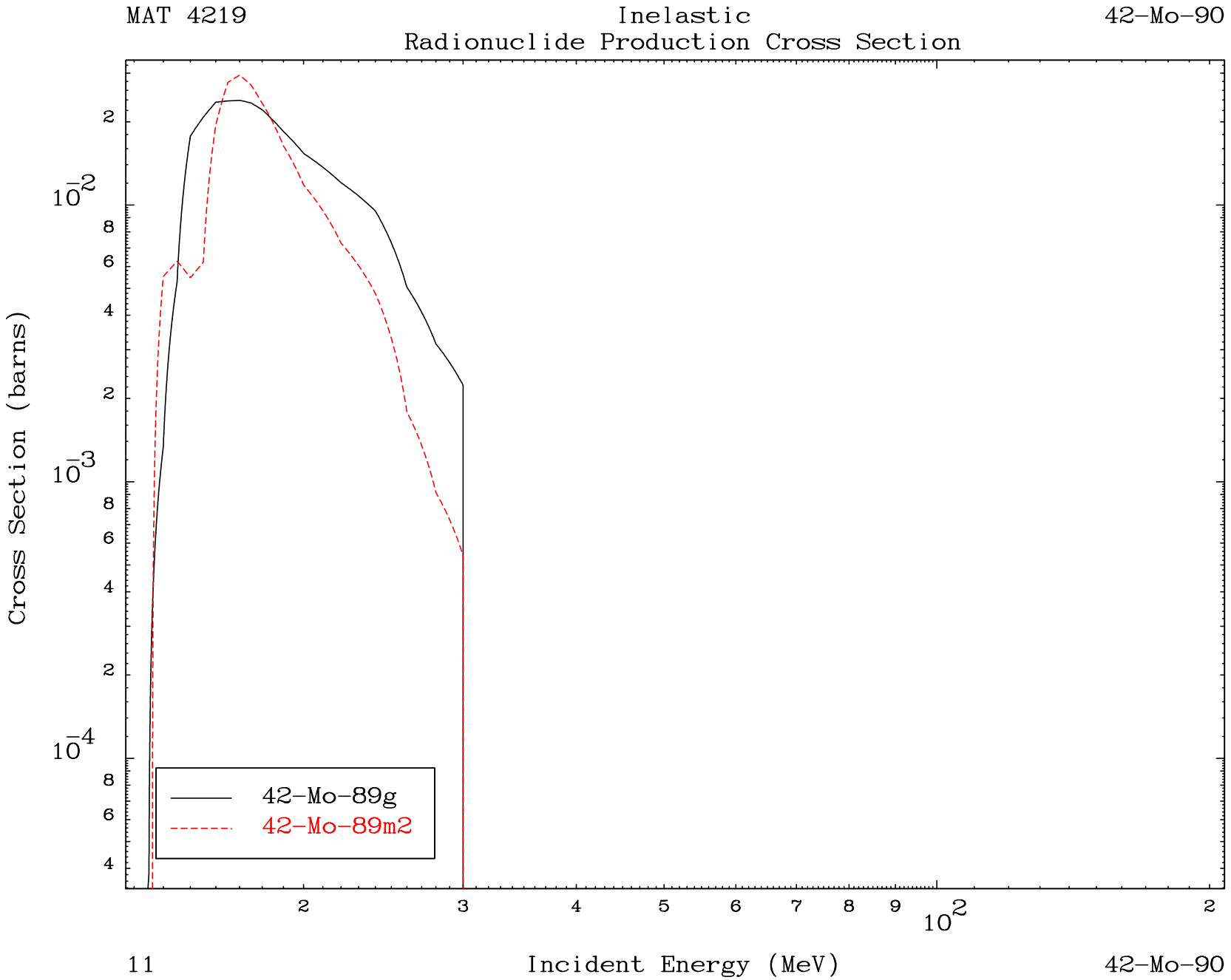

MAT 4219
(γ,p) Levels
42-Mo-90
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
6
42-Mo-90

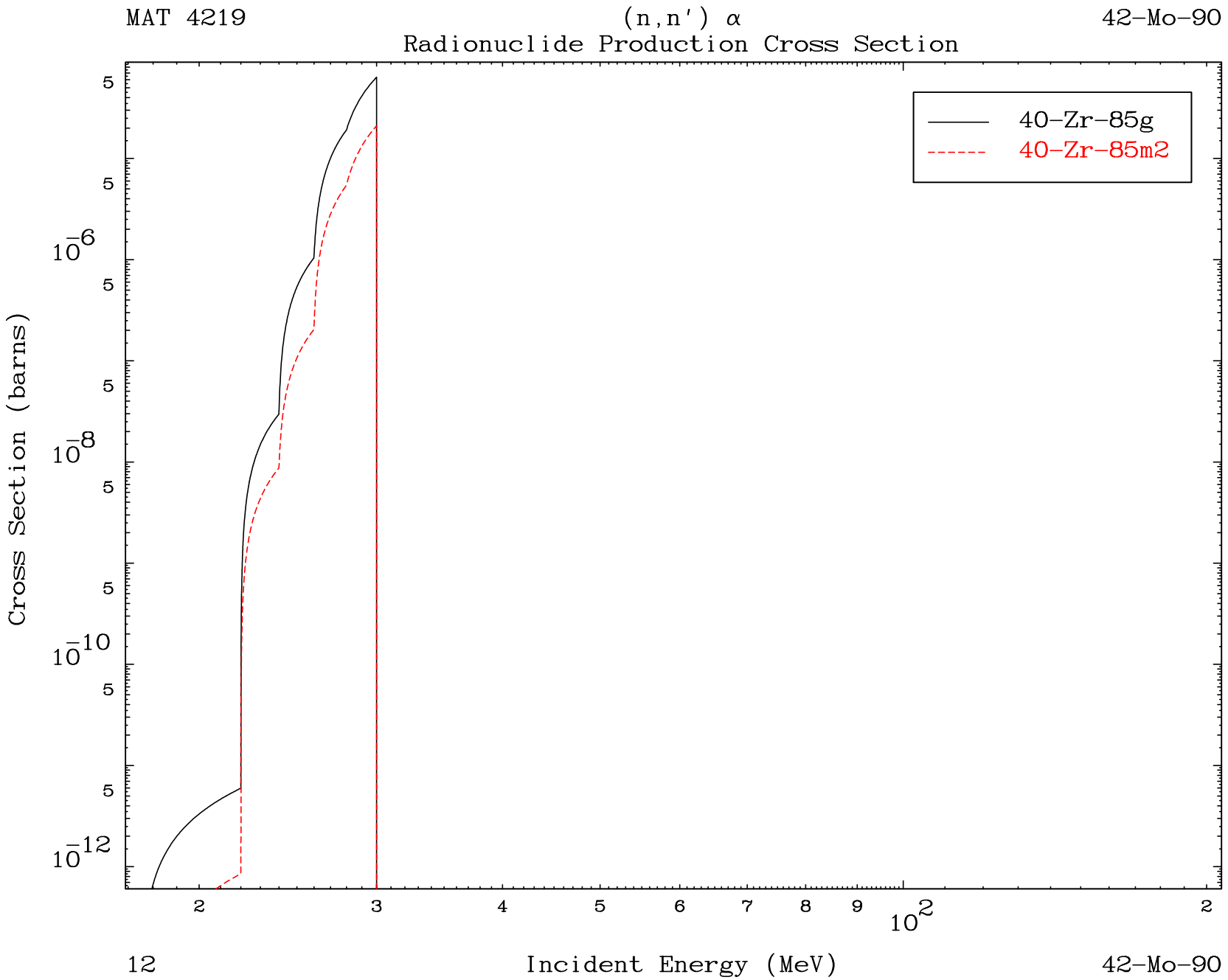

MAT 4219
(γ,d) Levels
42-Mo-90
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
42-Mo-90

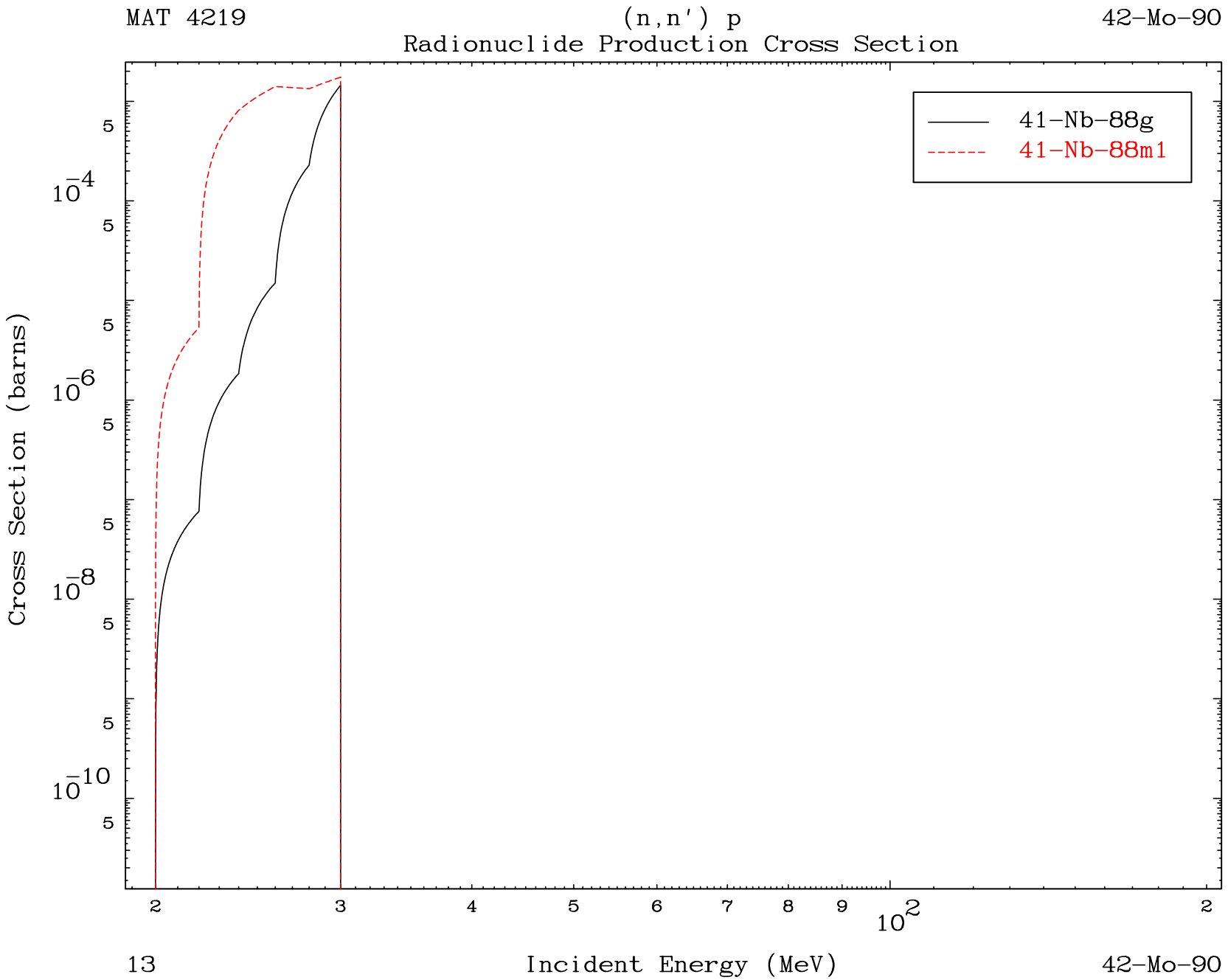

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
5
10^-9
5
10^-10
5
10^-11
5
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

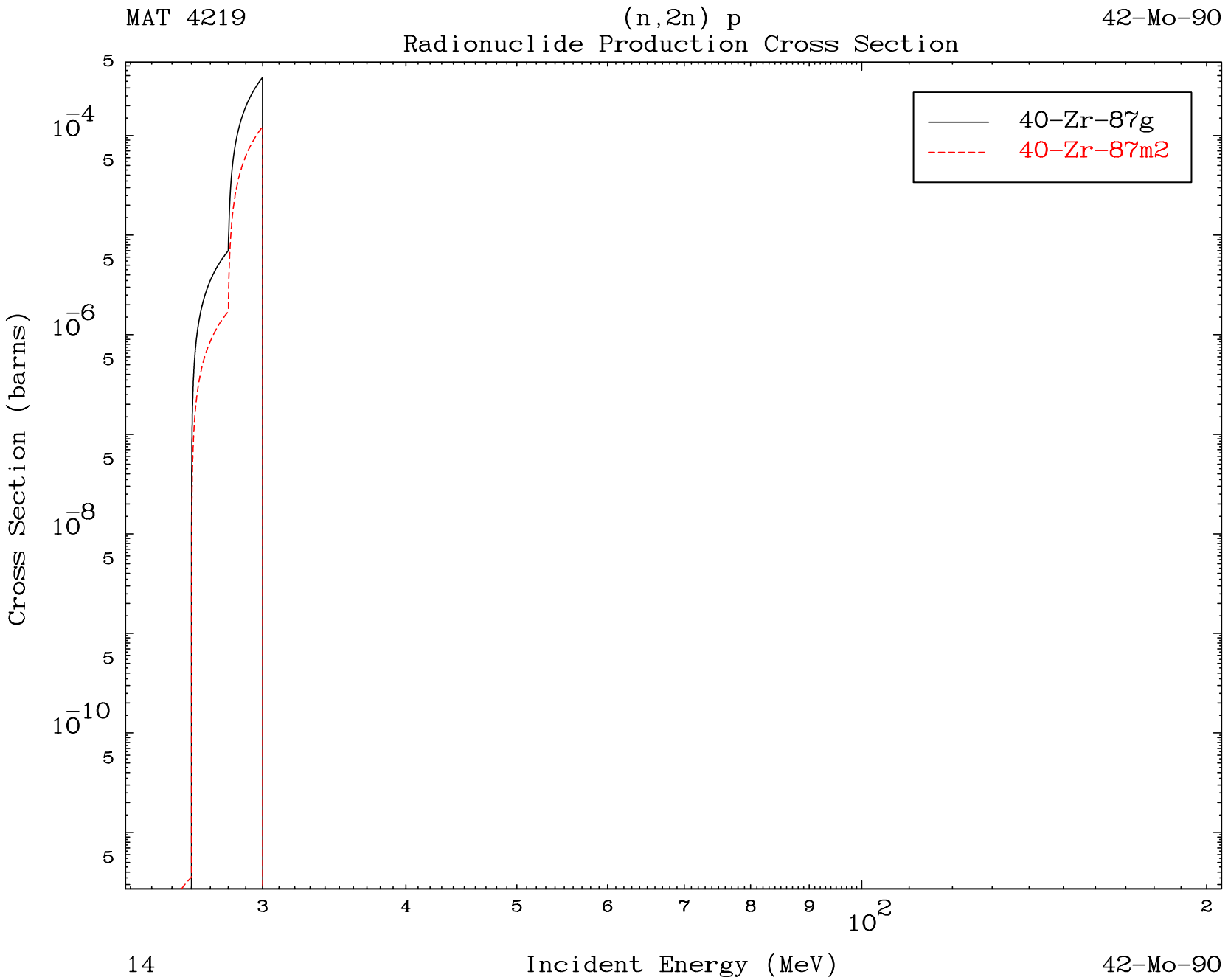

MAT 4219
(γ,He3) Levels
42-Mo-90
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
42-Mo-90

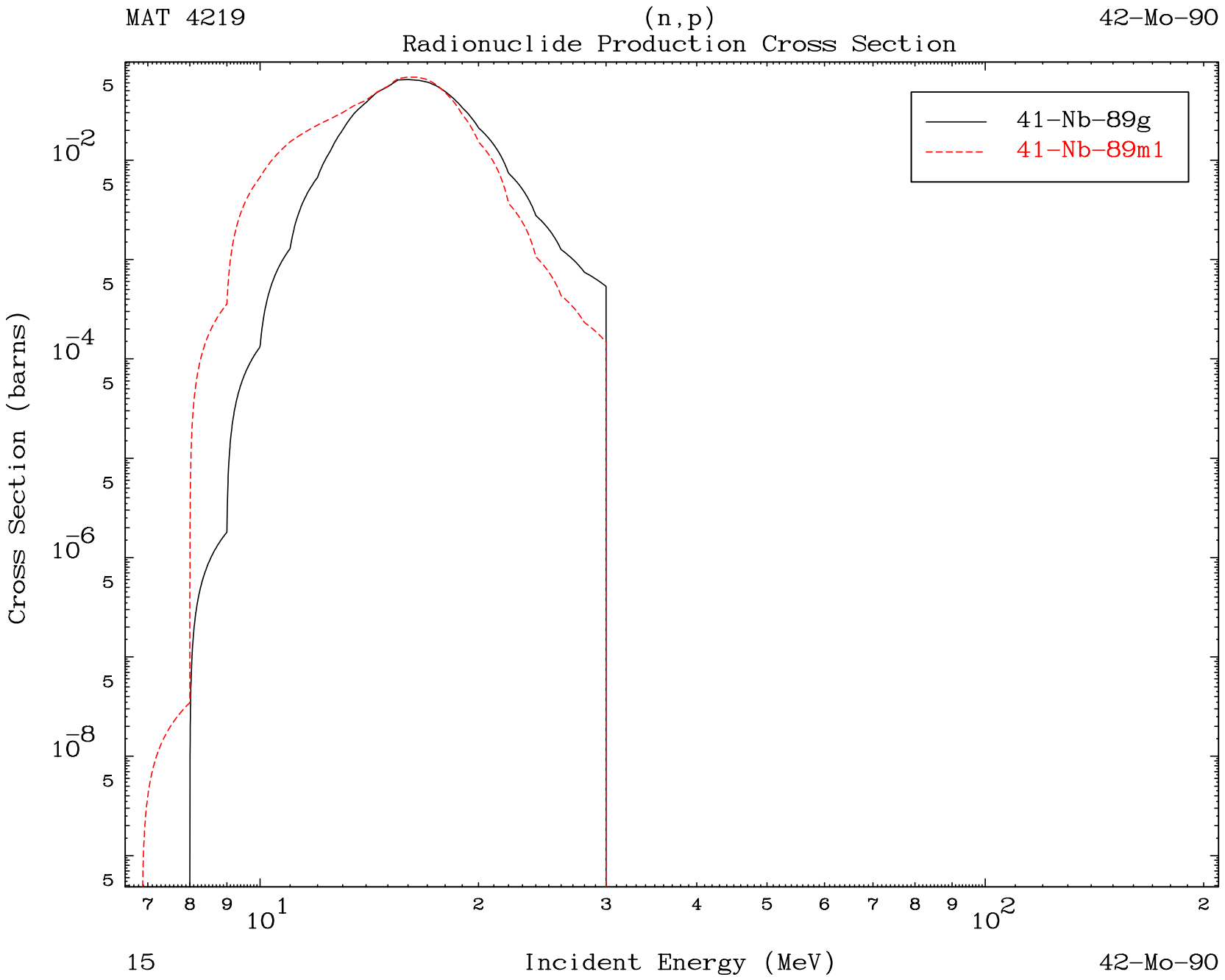

MAT 4219
(γ,α) Levels
42-Mo-90
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
10
Incident Energy (MeV)
42-Mo-90

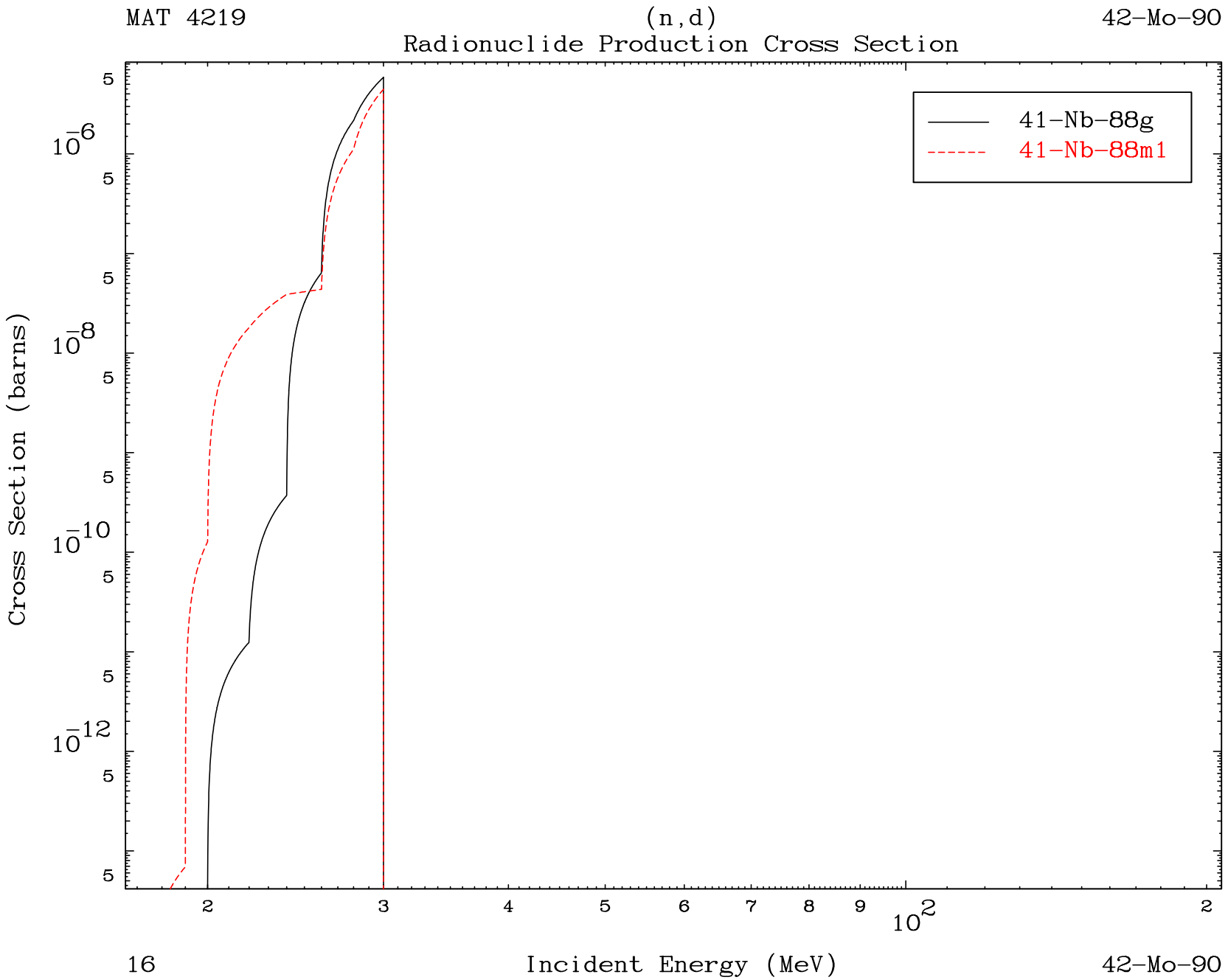

MAT 4219
Inelastic
42-Mo-90
Radionuclide Production Cross Section
Cross Section (barns)
10^-2
10^-3
10^-4
42-Mo-89g
42-Mo-89m2
10^2
Incident Energy (MeV)
11
42-Mo-90

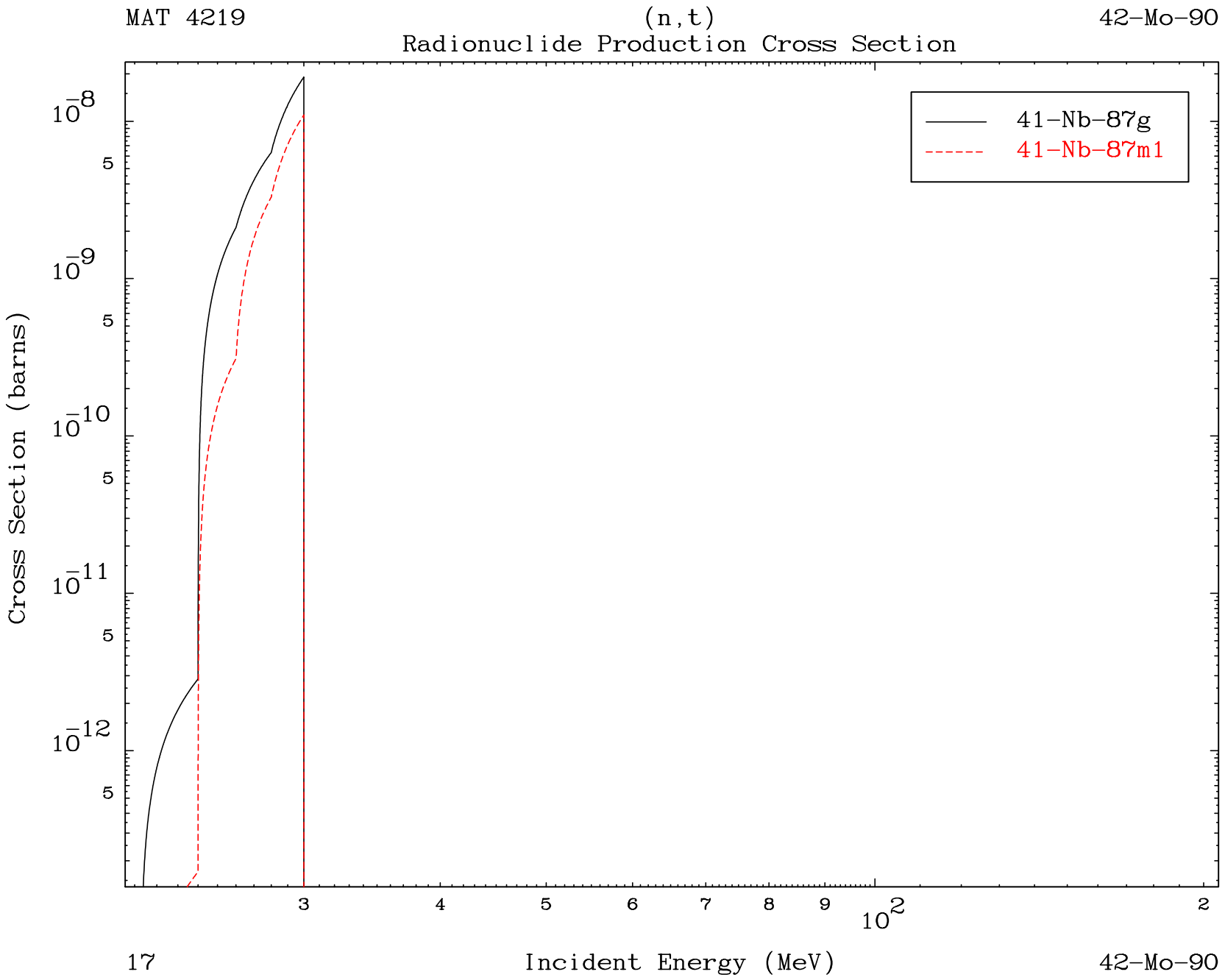

MAT 4219
(n,n') α
42-Mo-90
Radionuclide Production Cross Section
40-Zr-85g
40-Zr-85m2
Cross Section (barns)
10-6
10-8
10-10
10-12
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
42-Mo-90

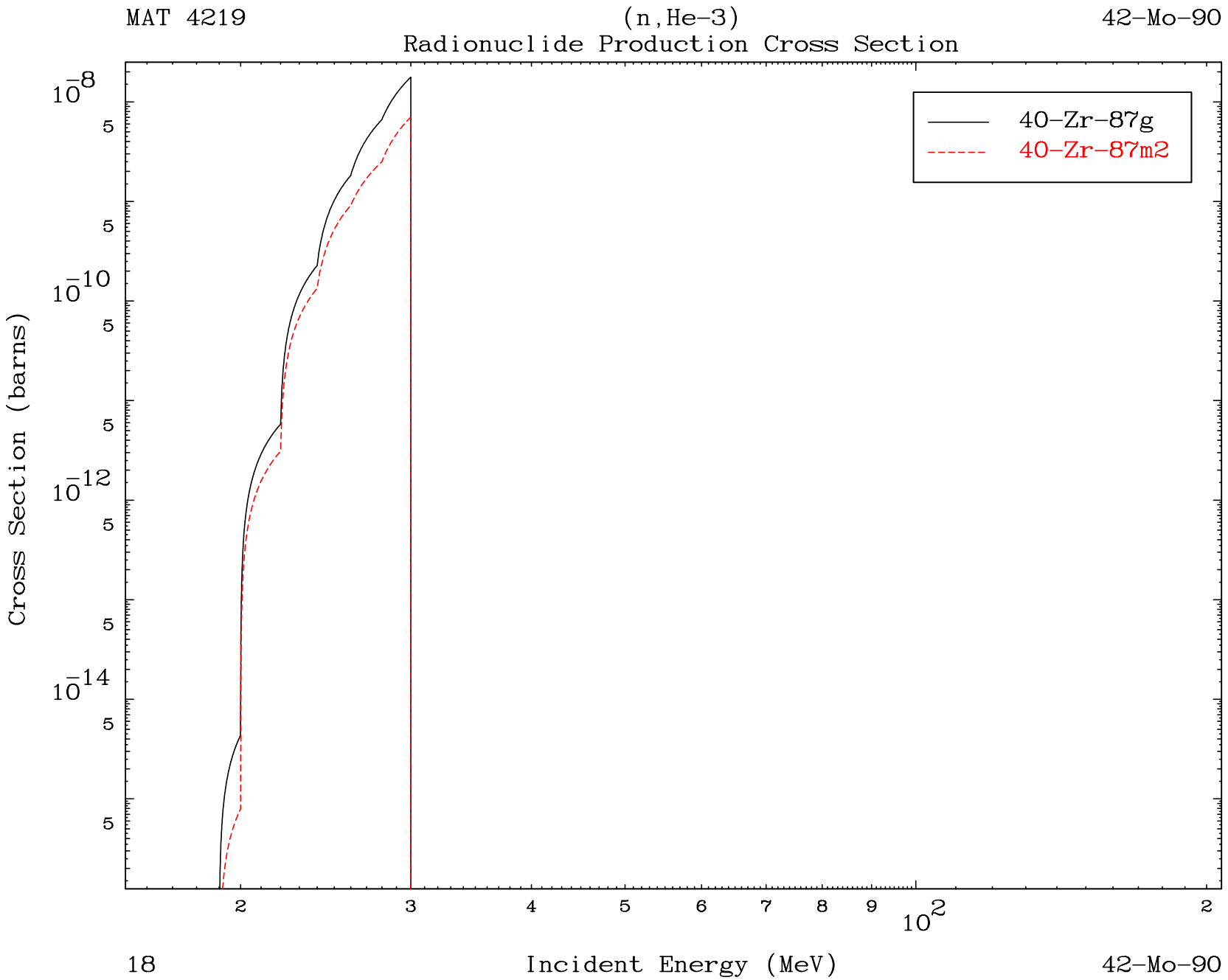

MAT 4219
(n,n') p
42-Mo-90
Radionuclide Production Cross Section
41-Nb-88g
41-Nb-88m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
42-Mo-90

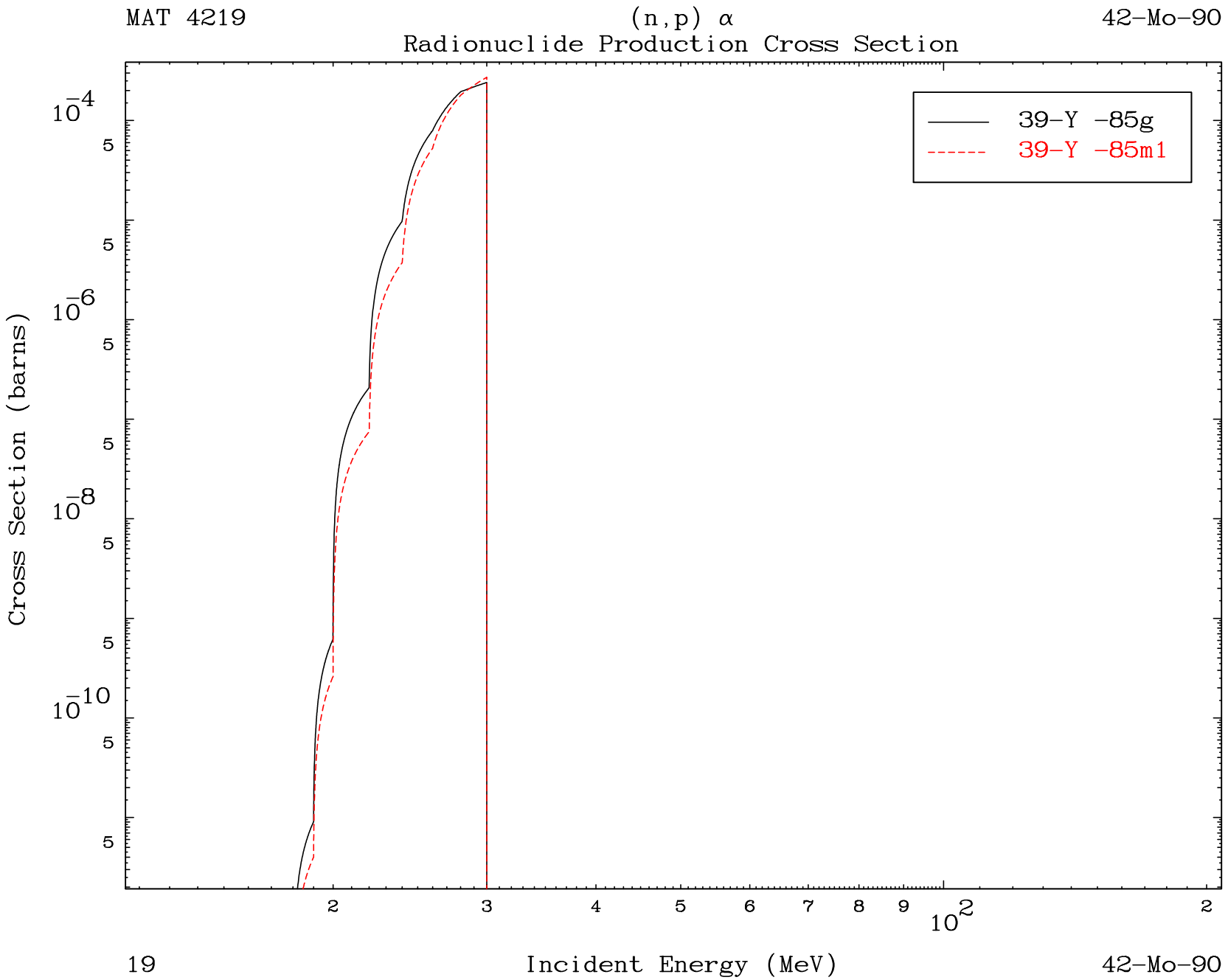

MAT 4219
(n,2n) p
42-Mo-90
Radionuclide Production Cross Section
40-Zr-87g
40-Zr-87m2
Cross Section (barns)
Incident Energy (MeV)
14
42-Mo-90

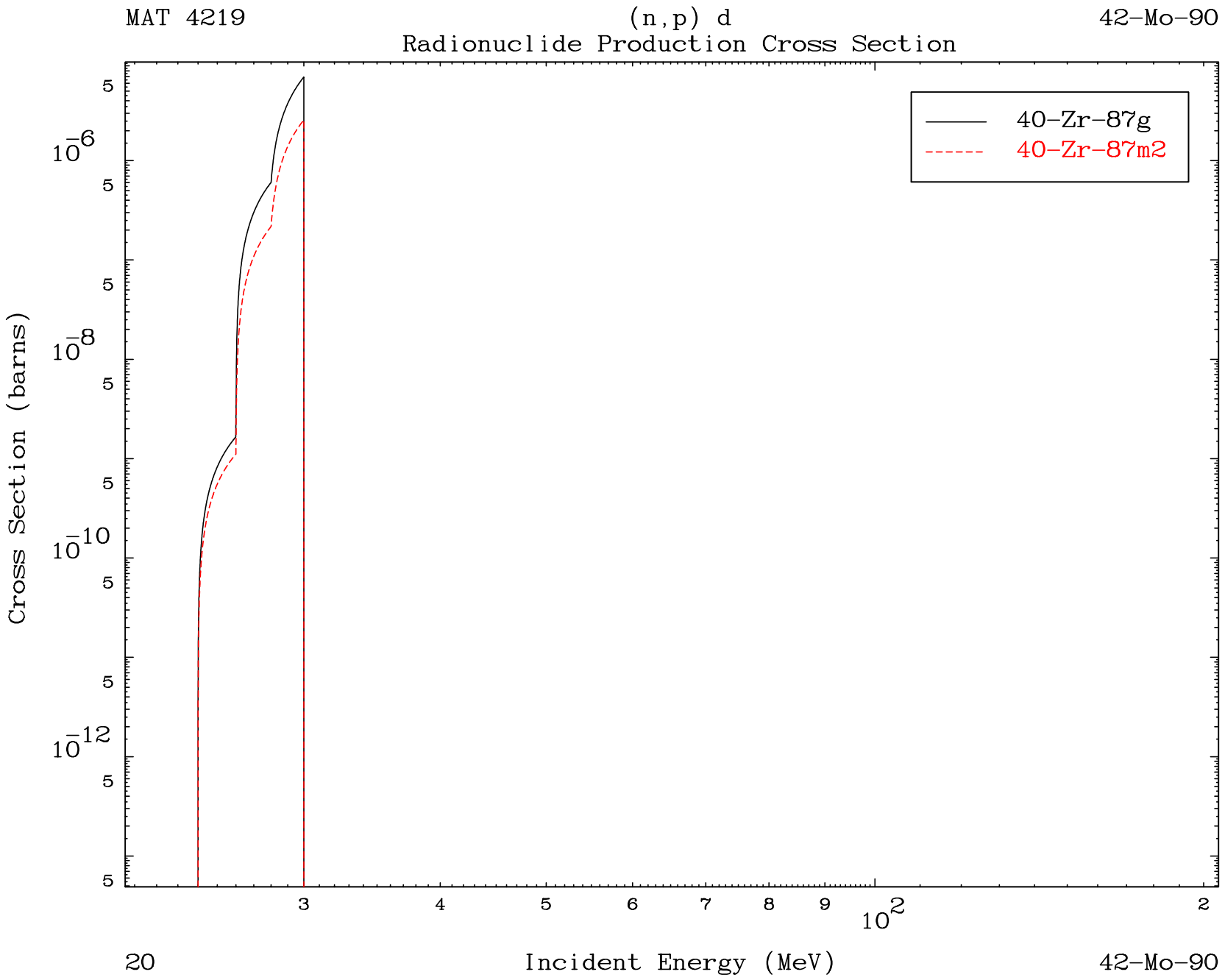

MAT 4219
(n,p)
42-Mo-90
Radionuclide Production Cross Section
41-Nb-89g
41-Nb-89m1
Cross Section (barns)
Incident Energy (MeV)
15
42-Mo-90


MAT 4219
(n,d)
42-Mo-90
Radionuclide Production Cross Section
41-Nb-88g
41-Nb-88m1
Cross Section (barns)
Incident Energy (MeV)
16
42-Mo-90


MAT 4219
(n,t)
42-Mo-90
Radionuclide Production Cross Section
41-Nb-87g
41-Nb-87m1
Cross Section (barns)
10-8
5
10-9
5
10-10
5
10-11
5
10-12
5
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
42-Mo-90


MAT 4219
(n,He-3)
42-Mo-90
Radionuclide Production Cross Section
40-Zr-87g
40-Zr-87m2
Cross Section (barns)
10-8
5
10-10
5
10-12
5
10-14
5
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
42-Mo-90


MAT 4219
(n,p) α
42-Mo-90
Radionuclide Production Cross Section
39-Y -85g
39-Y -85m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
42-Mo-90


MAT 4219
(n,p) d
42-Mo-90
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
20
Incident Energy (MeV)
42-Mo-90