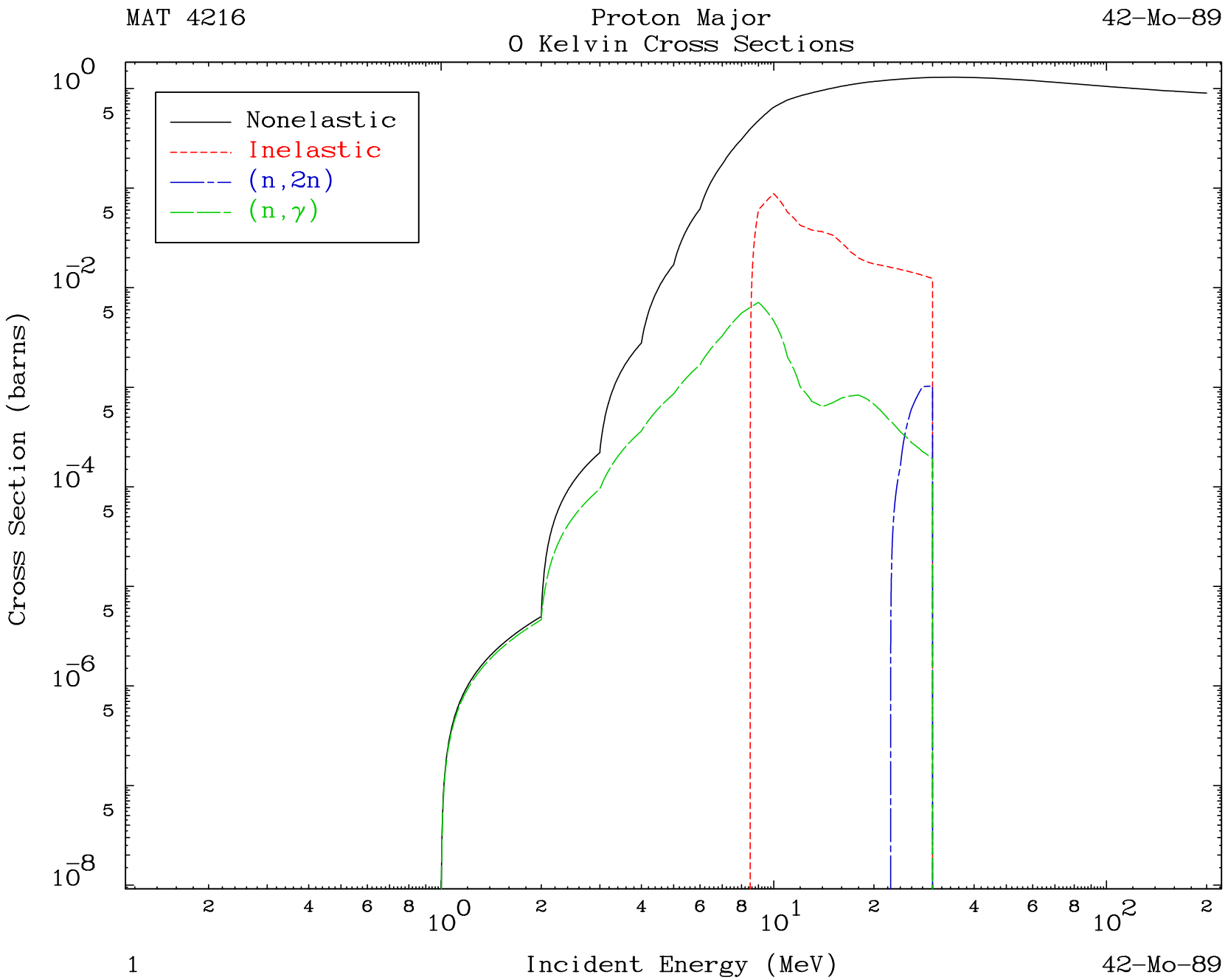
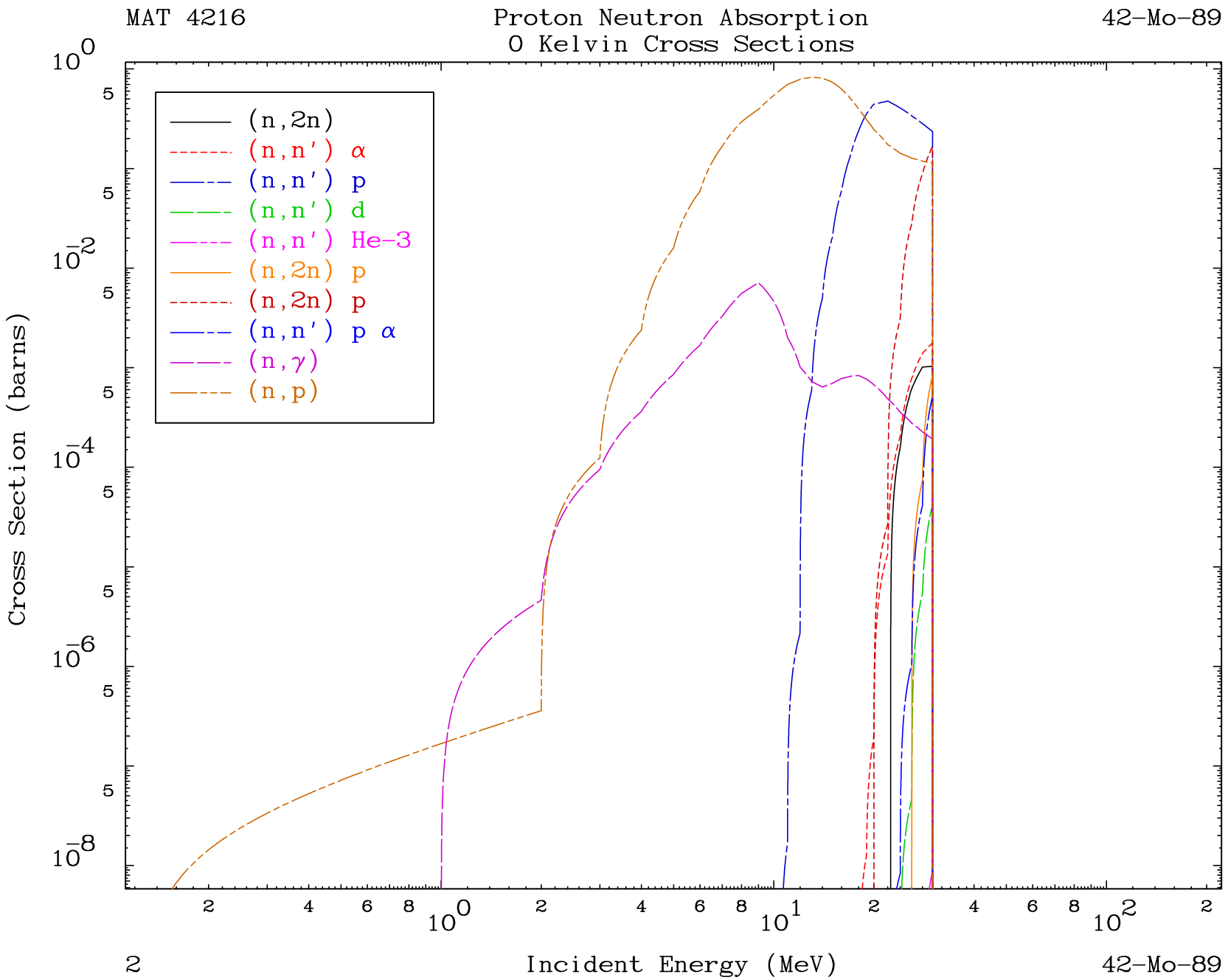
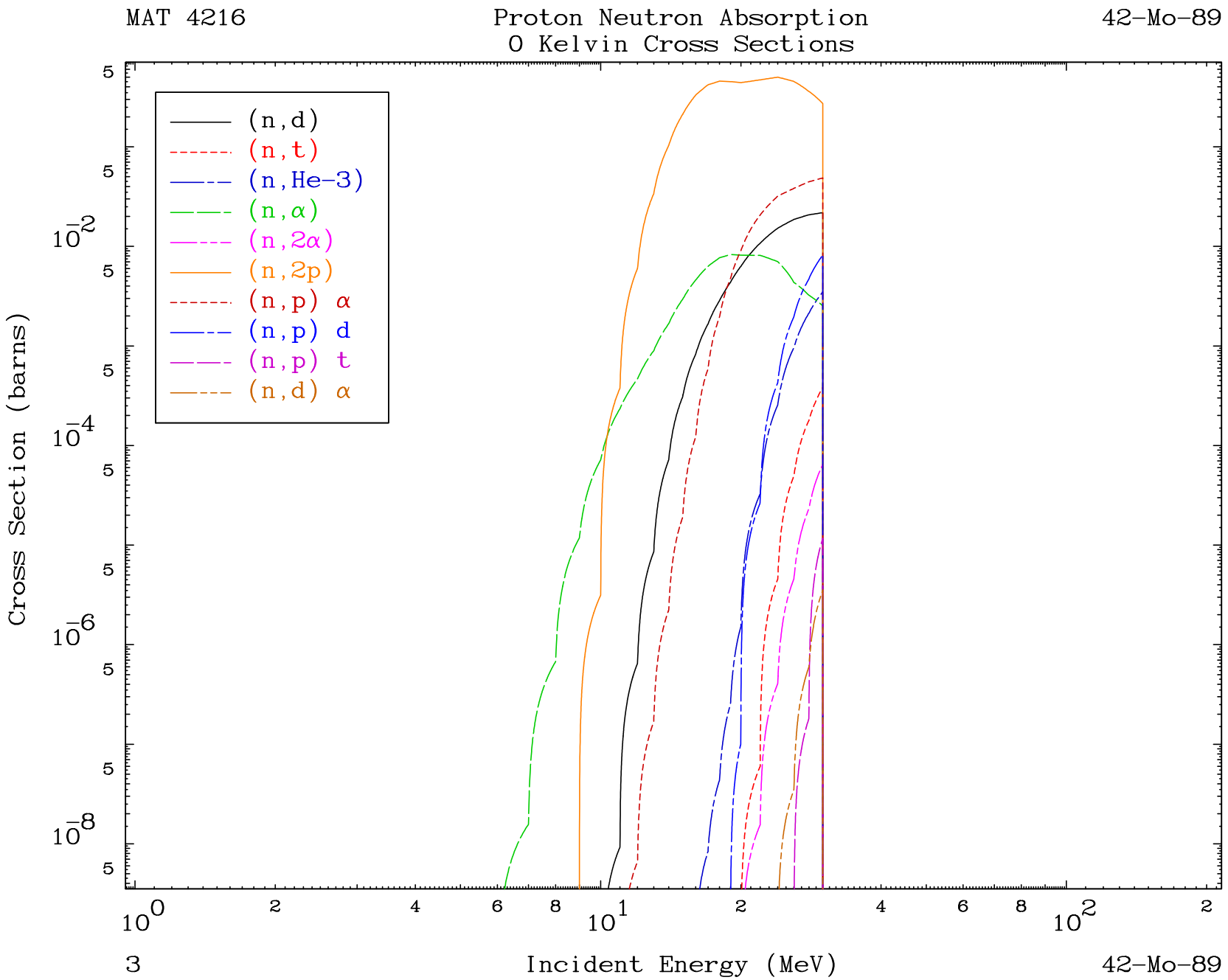
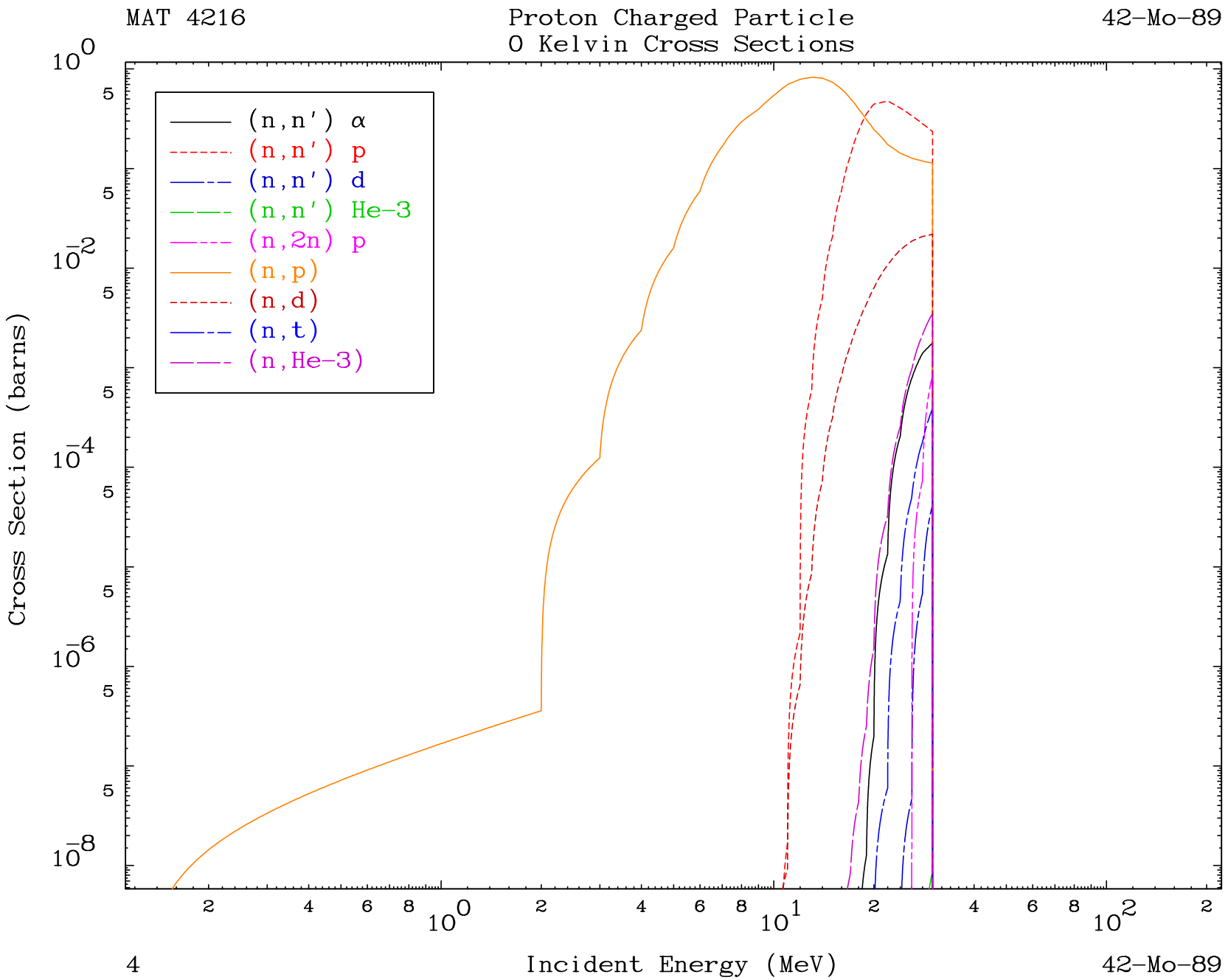
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

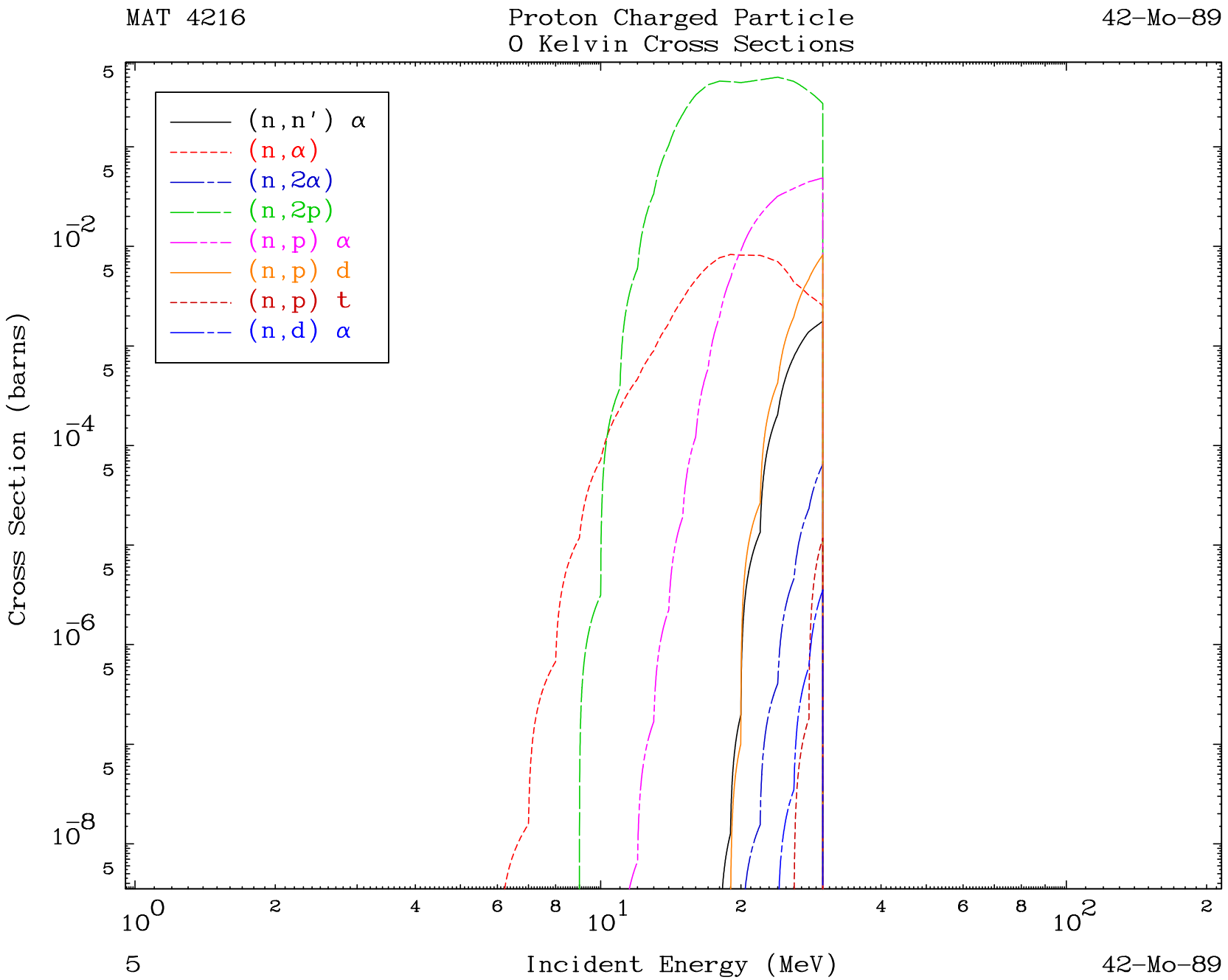
Press Mouse Button to Start

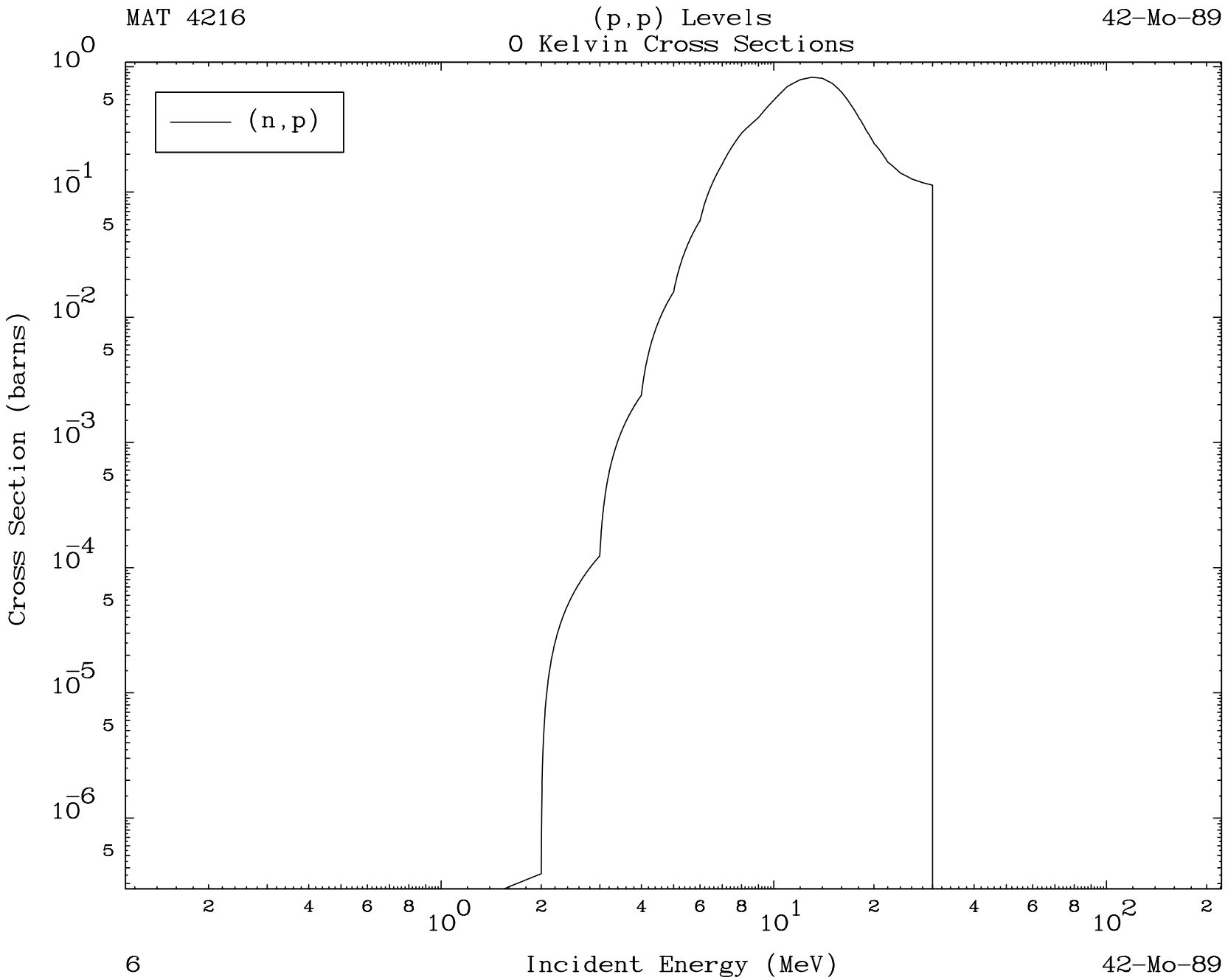

MAT 4216
Proton Major
42-Mo-89
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
42-Mo-89

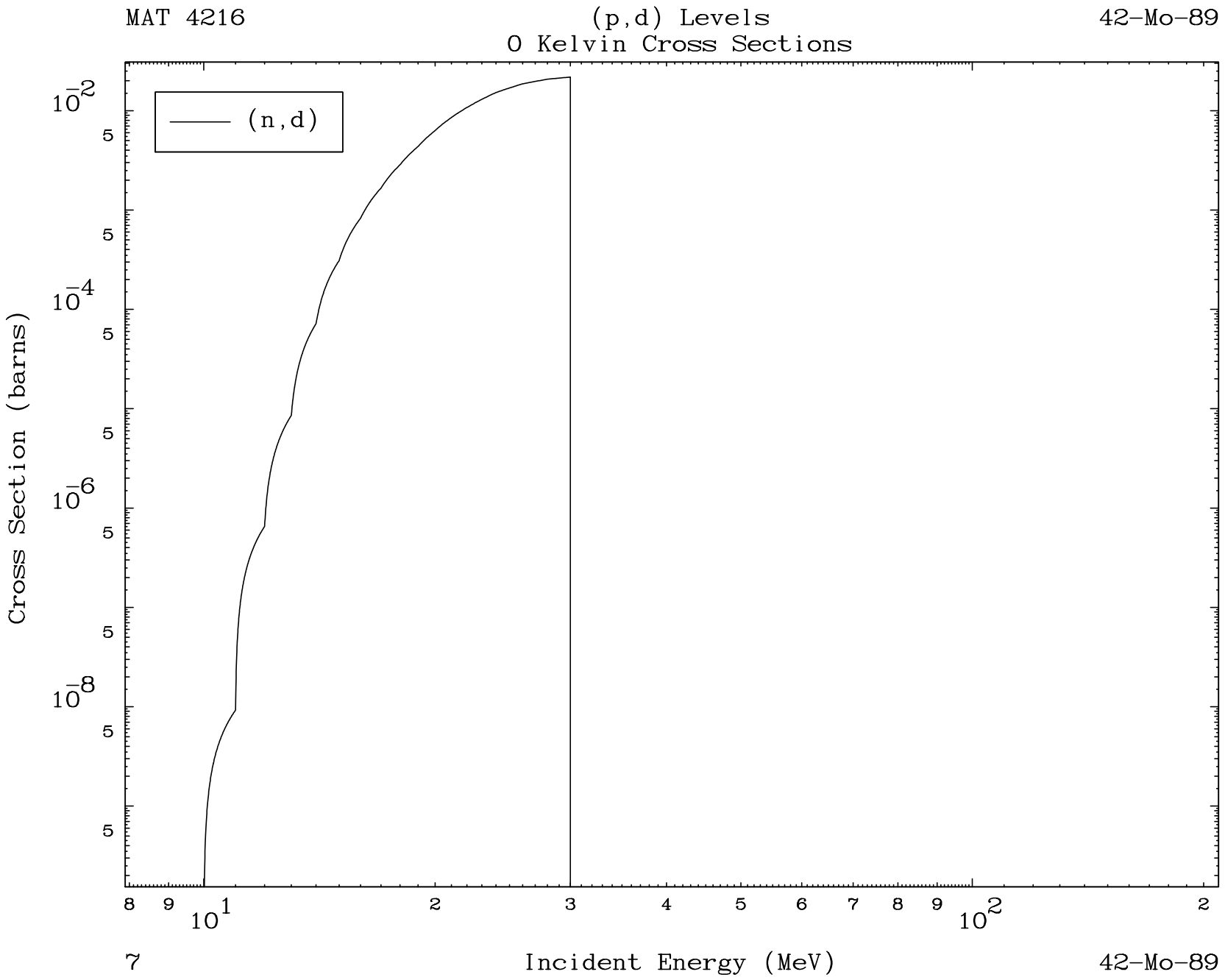

MAT 4216
Proton Neutron Absorption
0 Kelvin Cross Sections
42-Mo-89
(n,2n)
(n,n') α
(n,n') p
(n,n') d
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
42-Mo-89

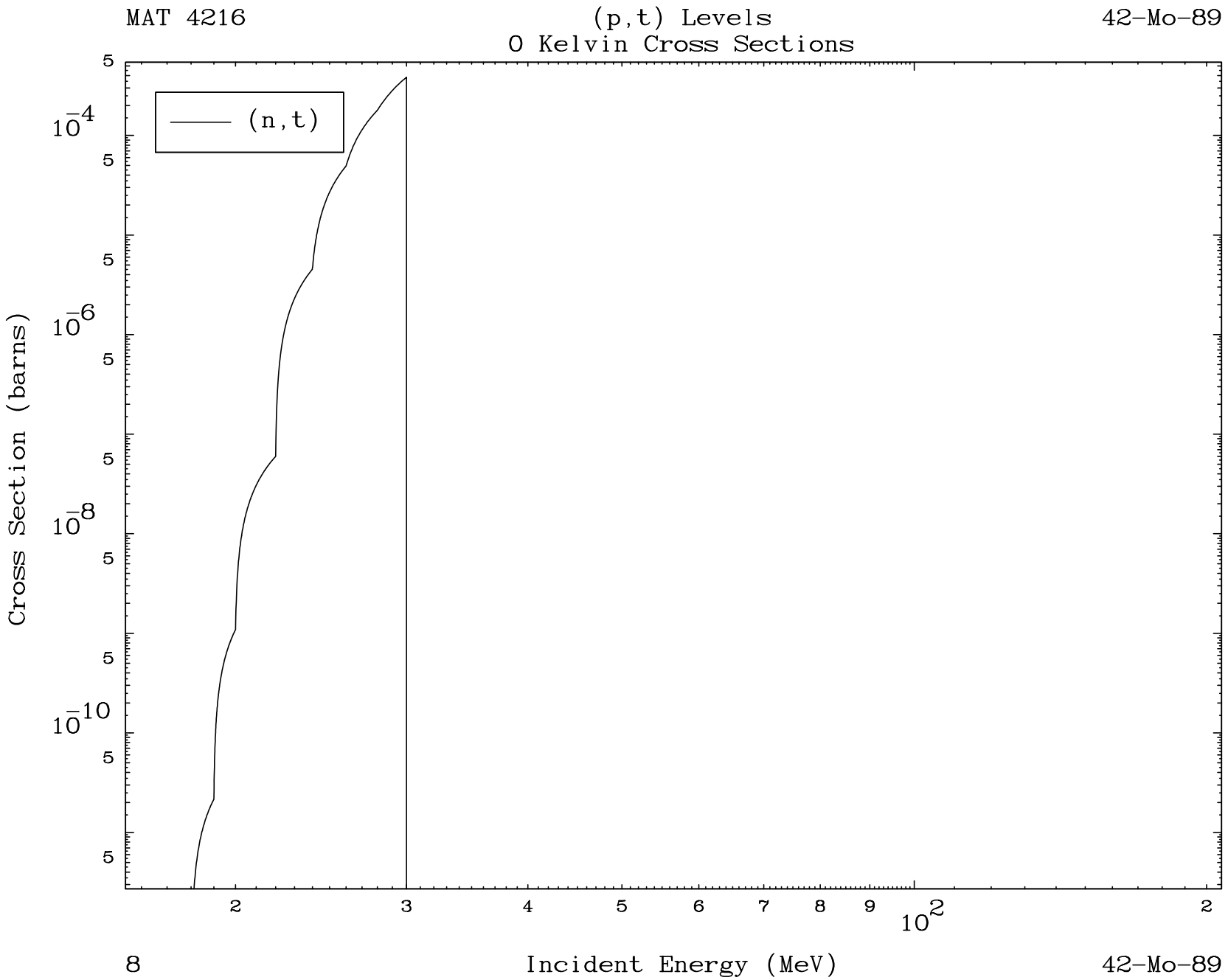

MAT 4216
Proton Neutron Absorption
0 Kelvin Cross Sections
42-Mo-89
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
42-Mo-89
3

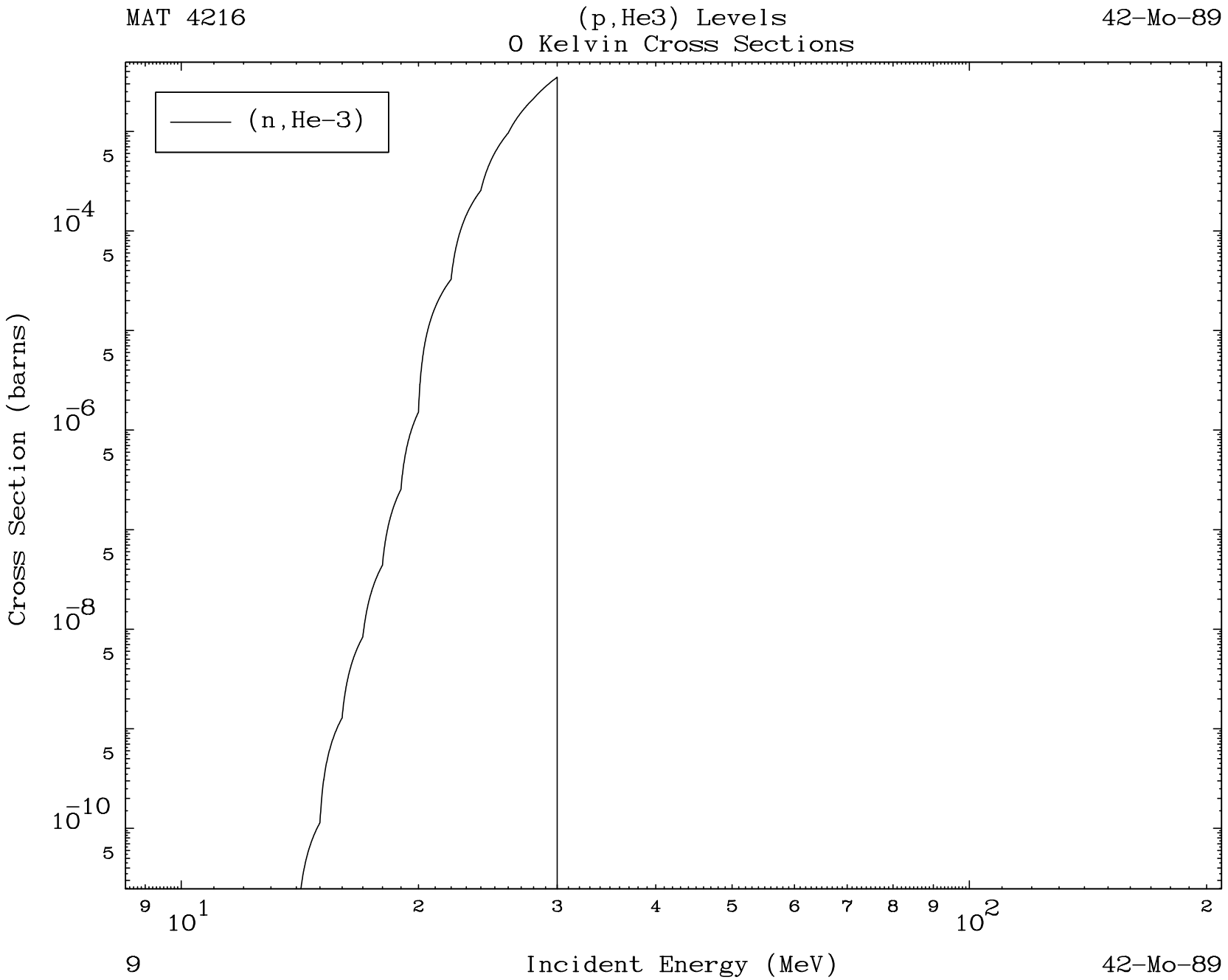

MAT 4216
Proton Charged Particle
0 Kelvin Cross Sections
42-Mo-89
(n,n') α
(n,n') p
(n,n') d
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
4
42-Mo-89

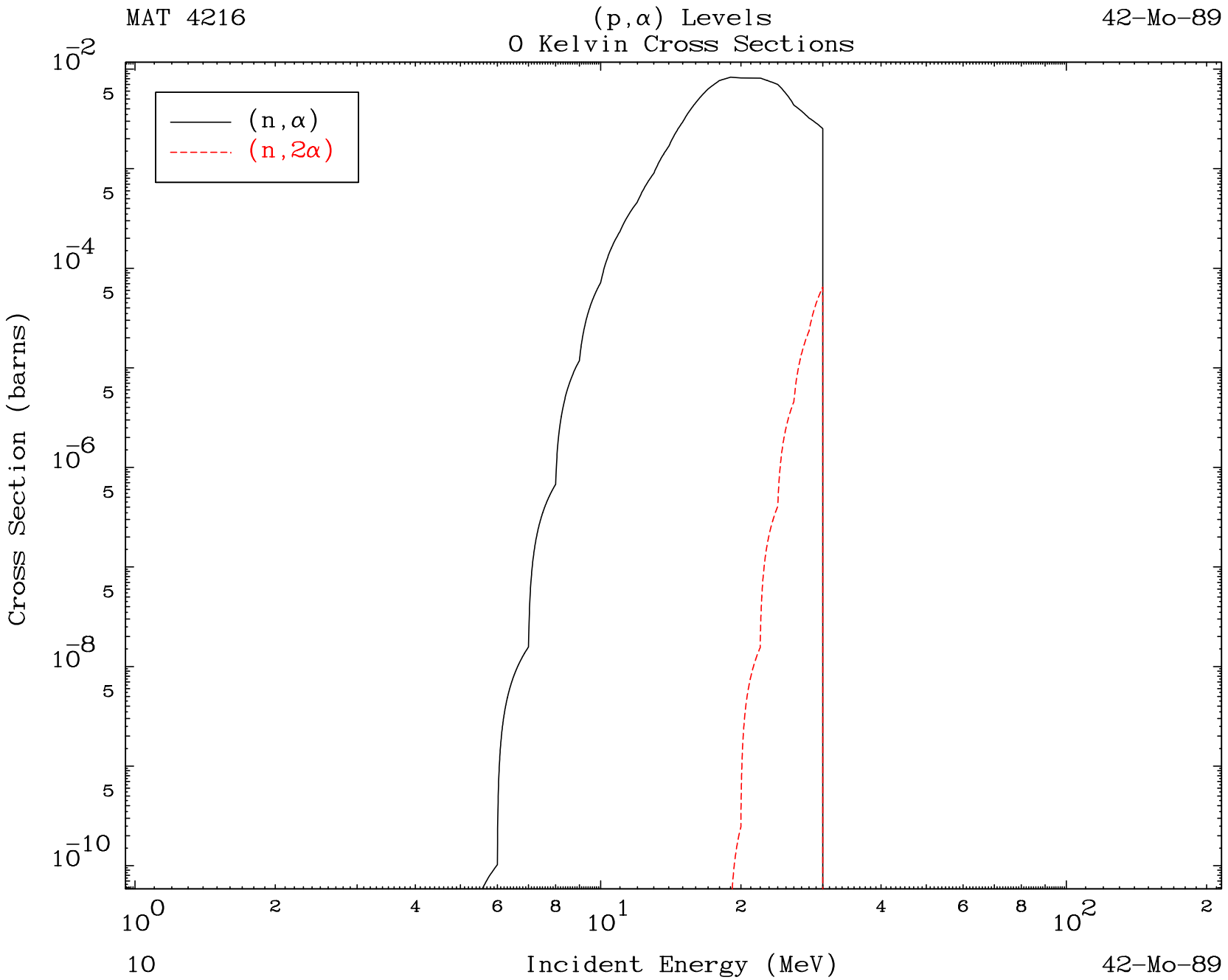

MAT 4216
Proton Charged Particle
0 Kelvin Cross Sections
42-Mo-89
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
42-Mo-89

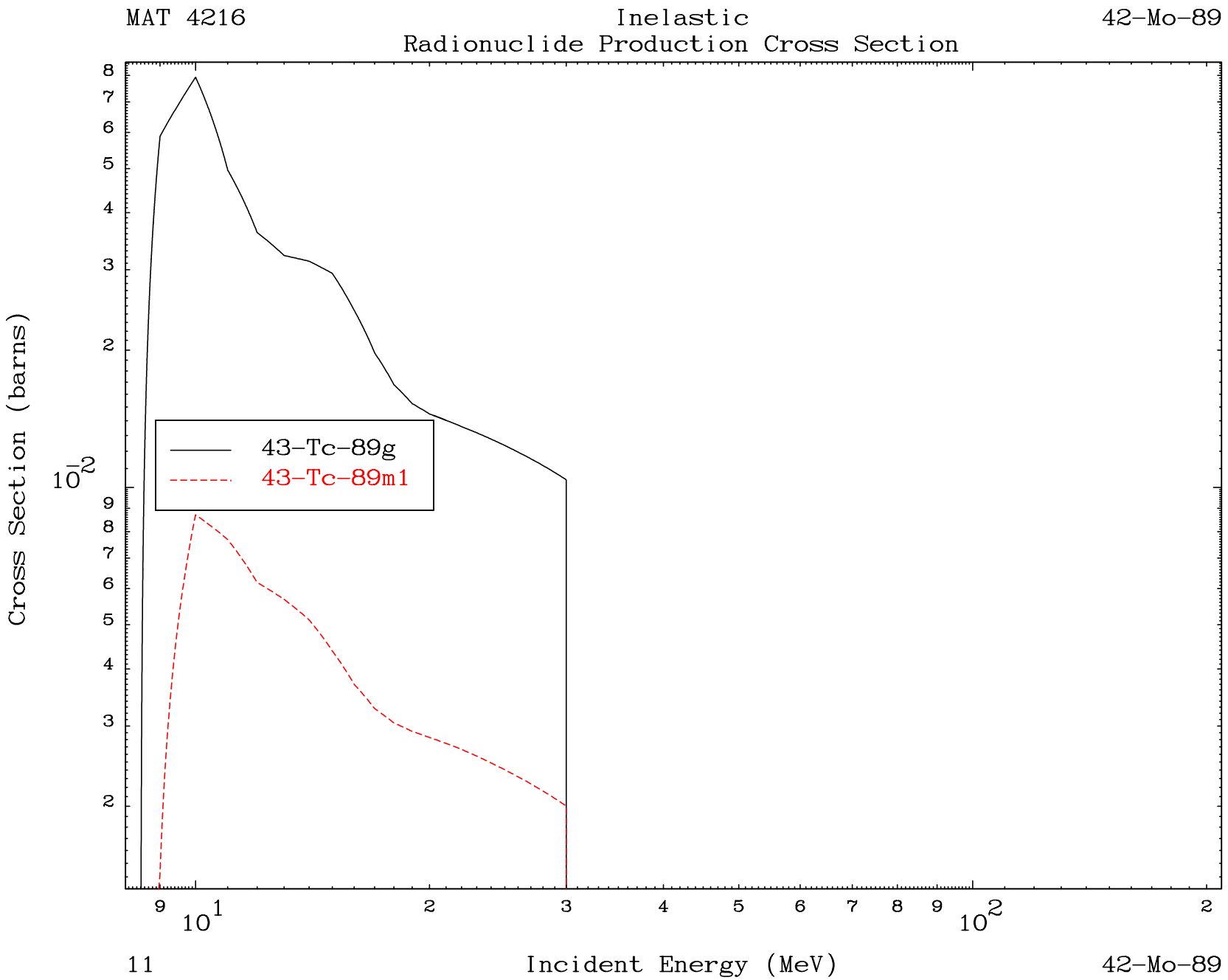

MAT 4216
(p,p) Levels
42-Mo-89
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
6
42-Mo-89

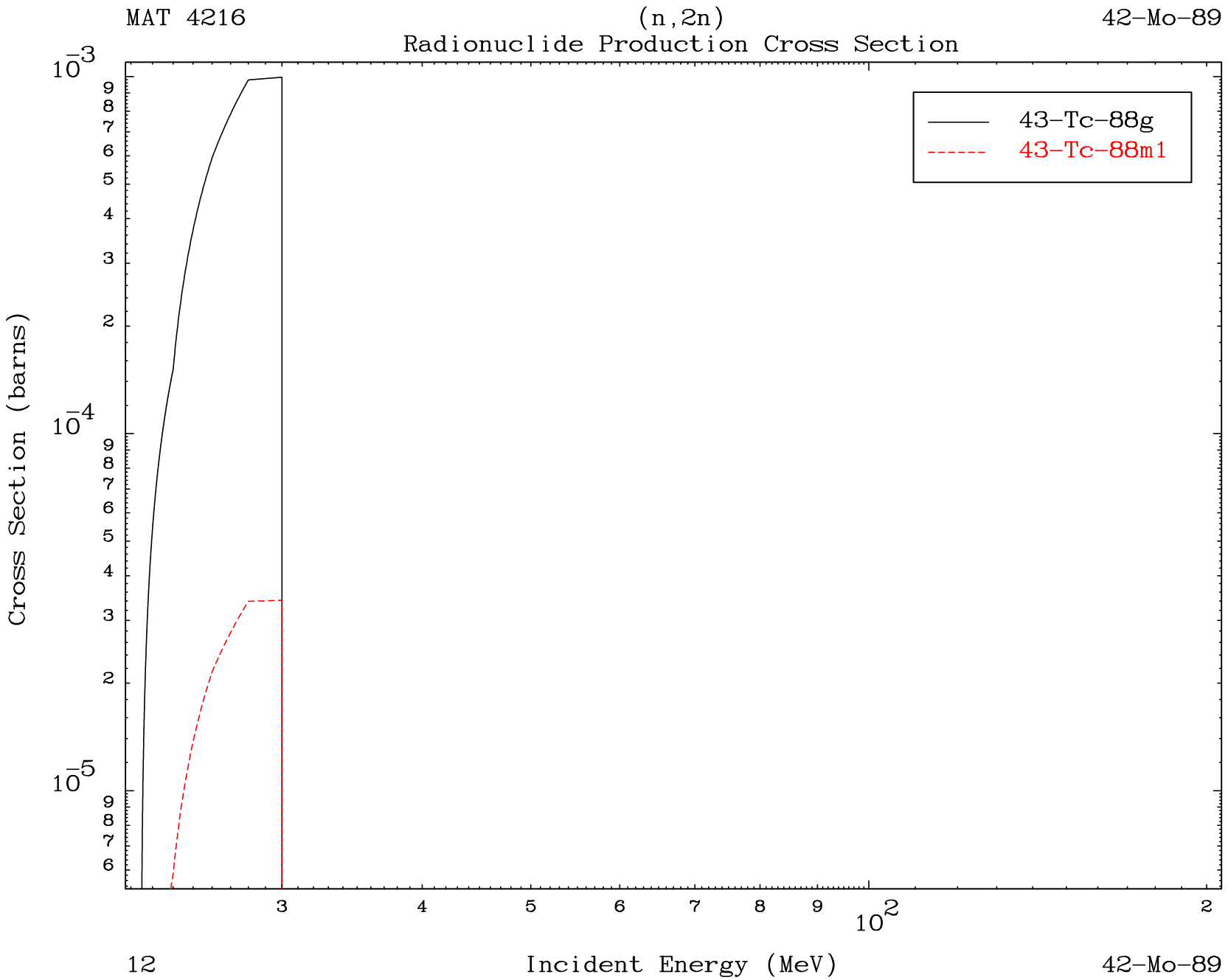

MAT 4216
(p,d) Levels
42-Mo-89
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
7
42-Mo-89

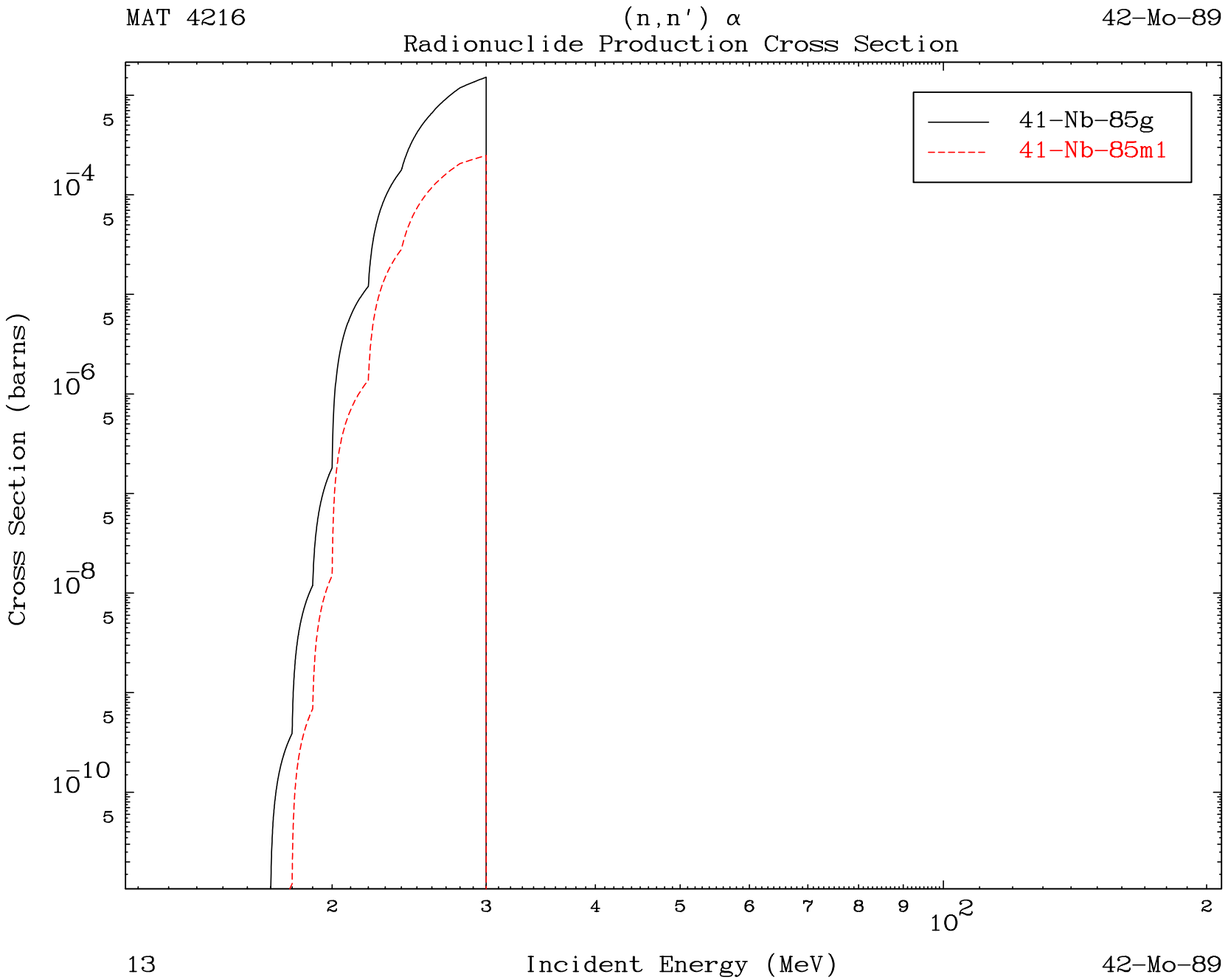

MAT 4216
(p,t) Levels
42-Mo-89
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
8
42-Mo-89

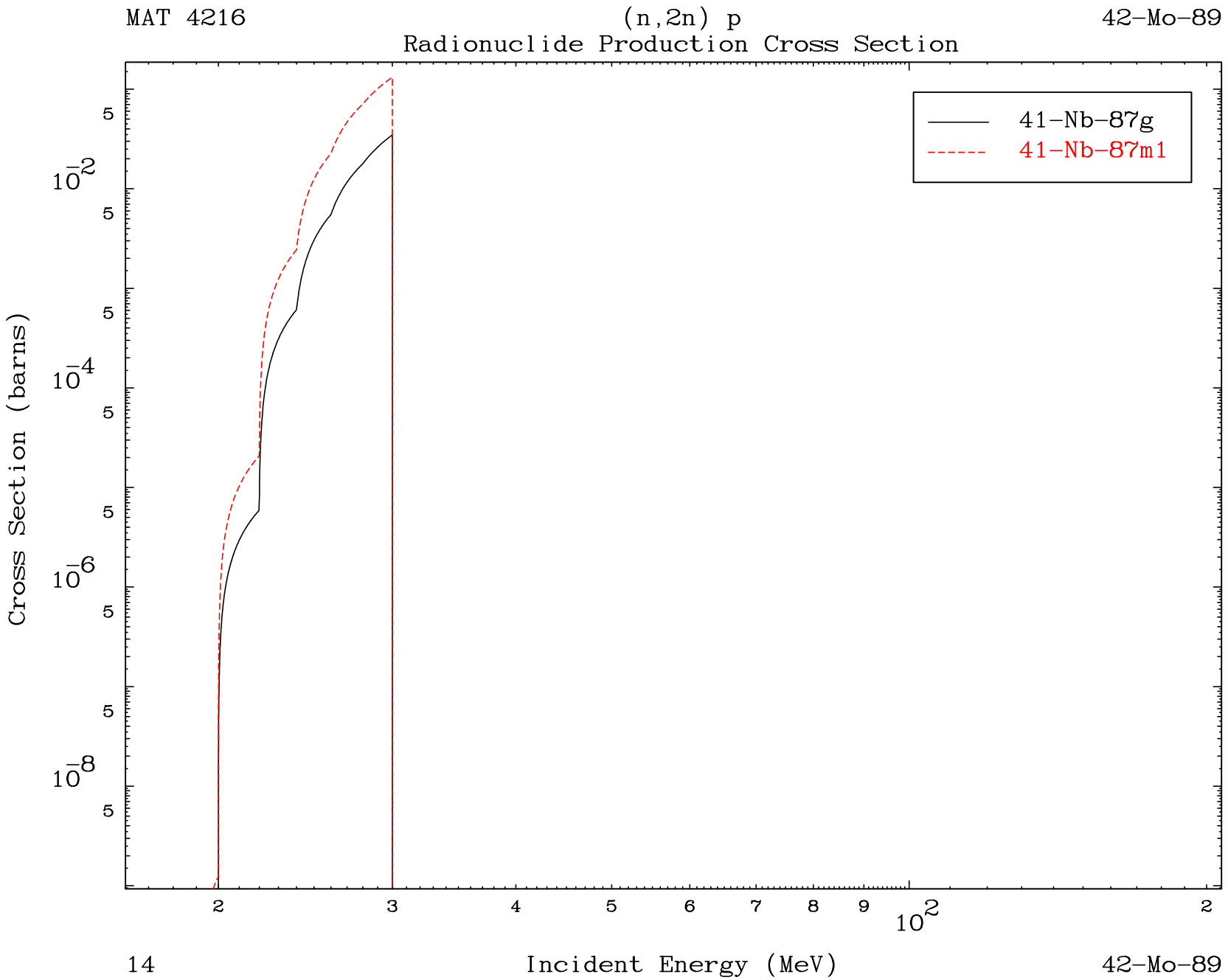

MAT 4216
(p,He3) Levels
42-Mo-89
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
42-Mo-89

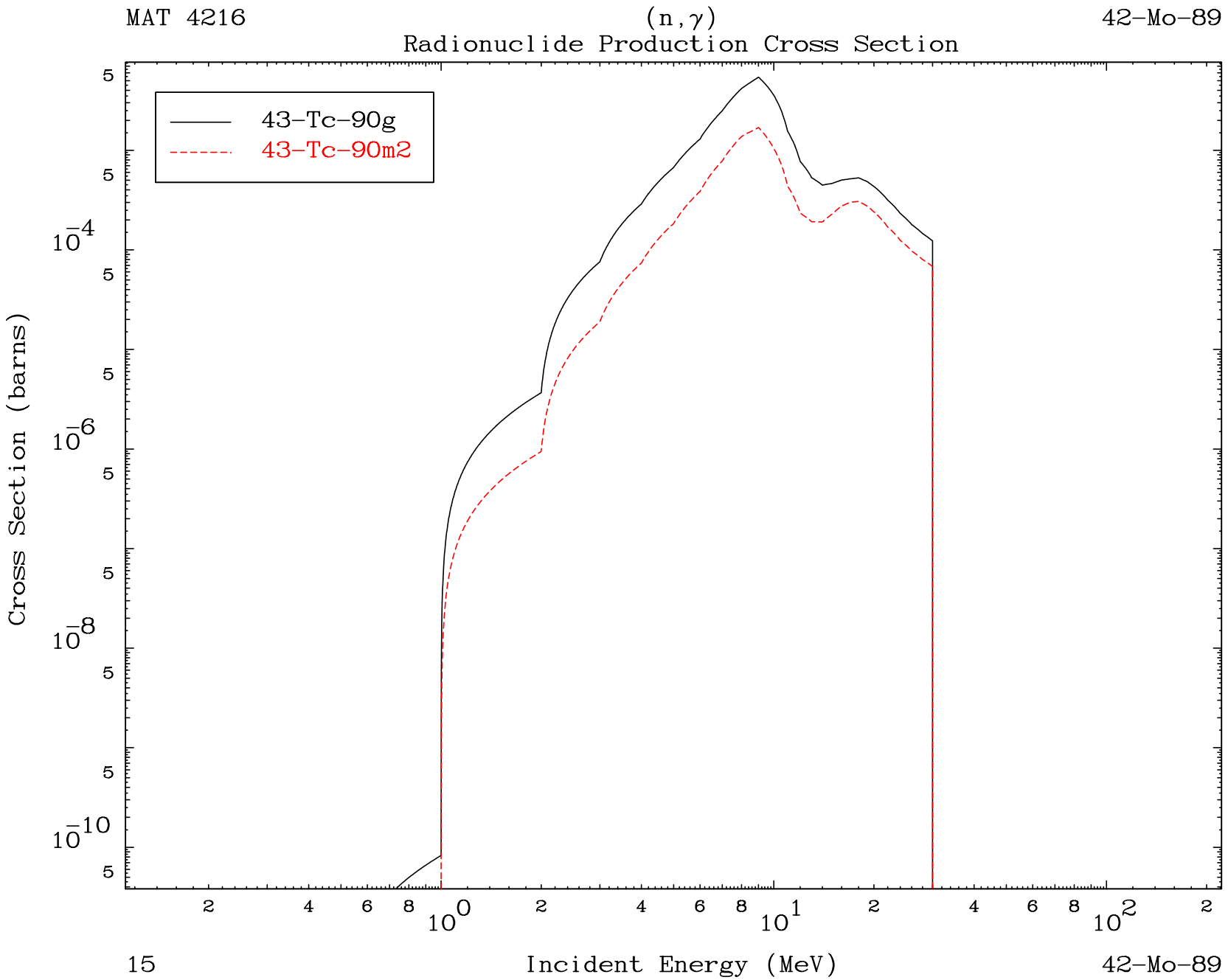

MAT 4216
(p,α) Levels
42-Mo-89
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
42-Mo-89

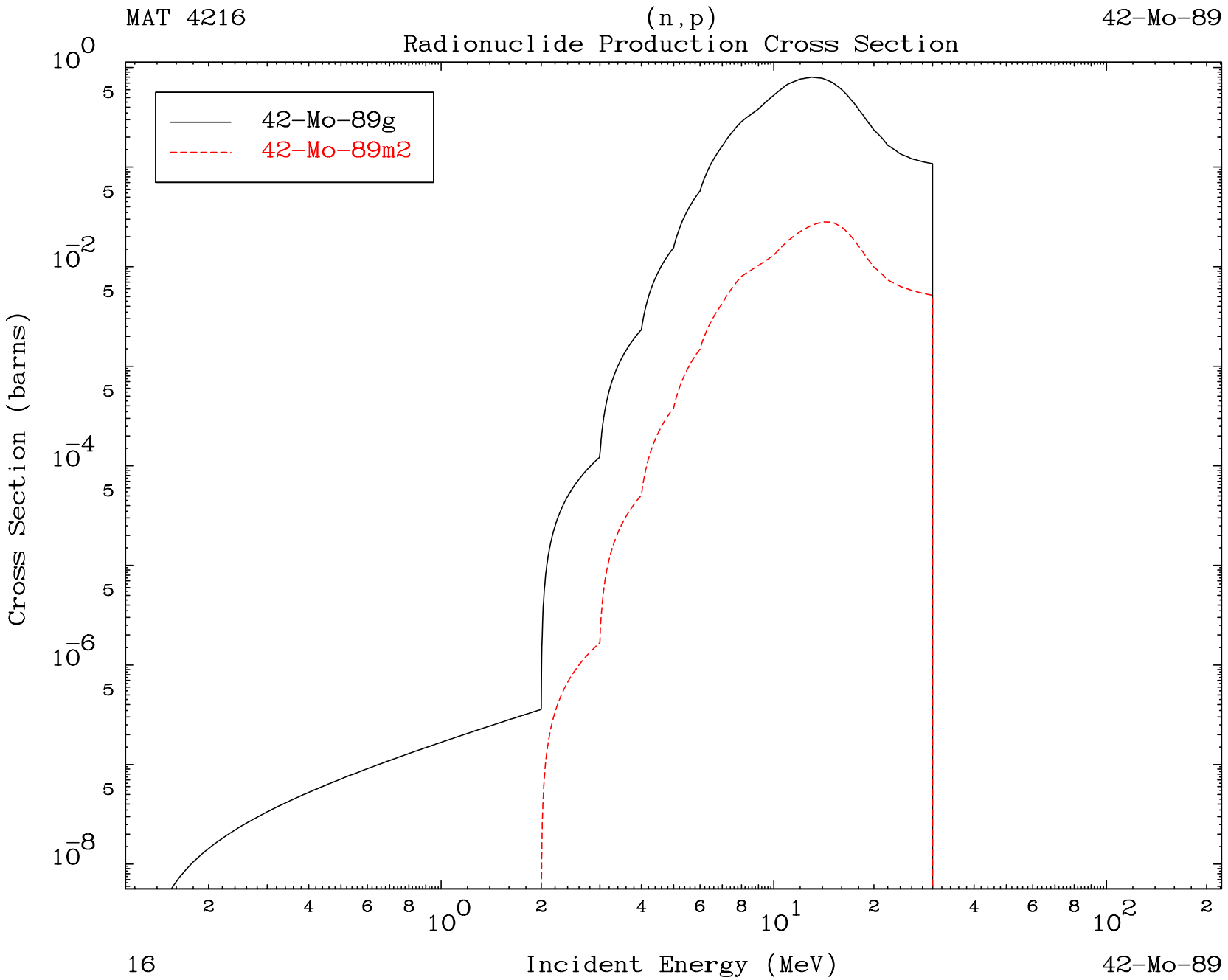

MAT 4216
Inelastic
42-Mo-89
Radionuclide Production Cross Section
Cross Section (barns)
10^{-2}
43-Tc-89g
43-Tc-89m1
10^{1}
10^{2}
11
Incident Energy (MeV)
42-Mo-89

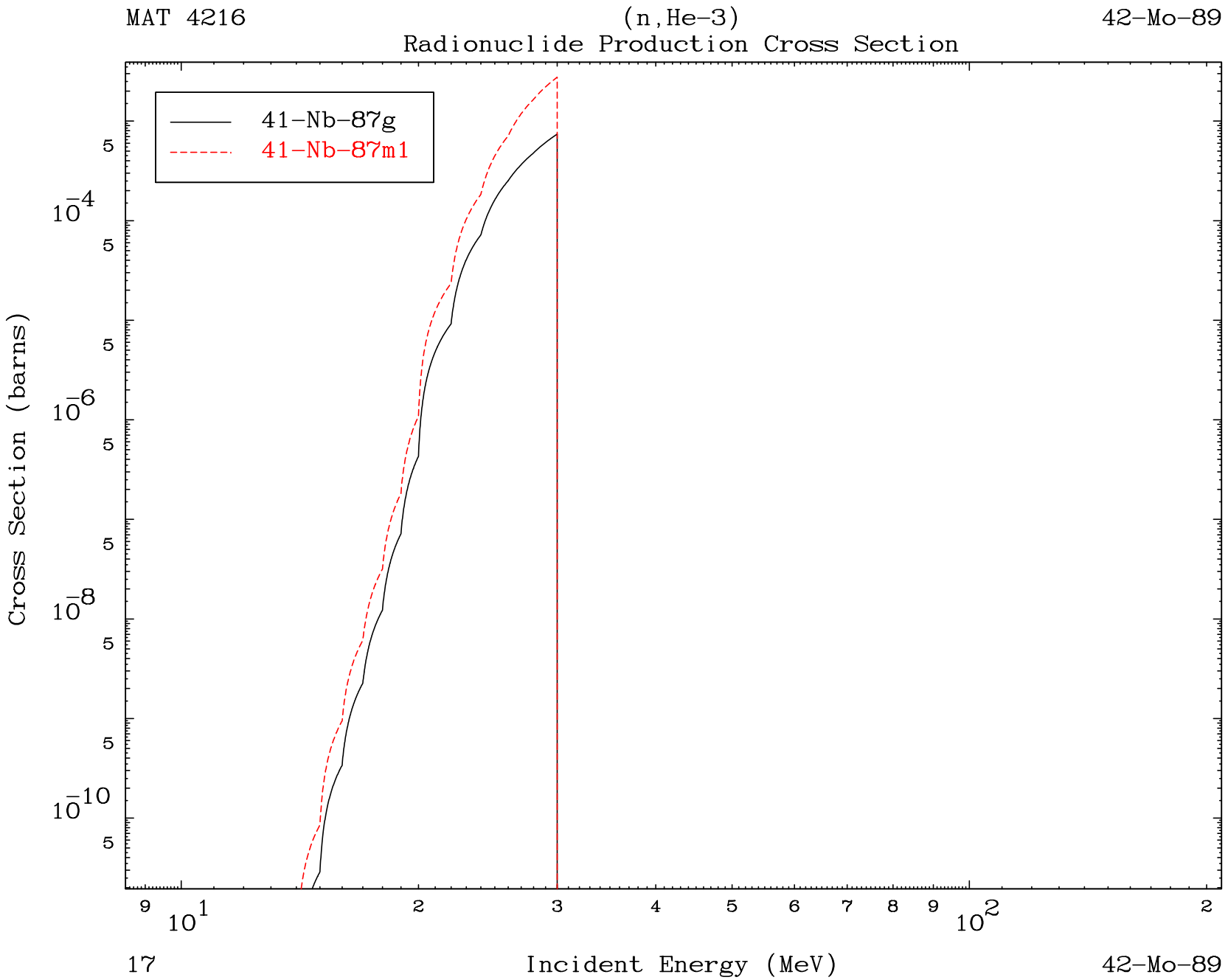

MAT 4216
(n,2n)
42-Mo-89
Radionuclide Production Cross Section
43-Tc-88g
43-Tc-88m1
Cross Section (barns)
Incident Energy (MeV)
12
42-Mo-89

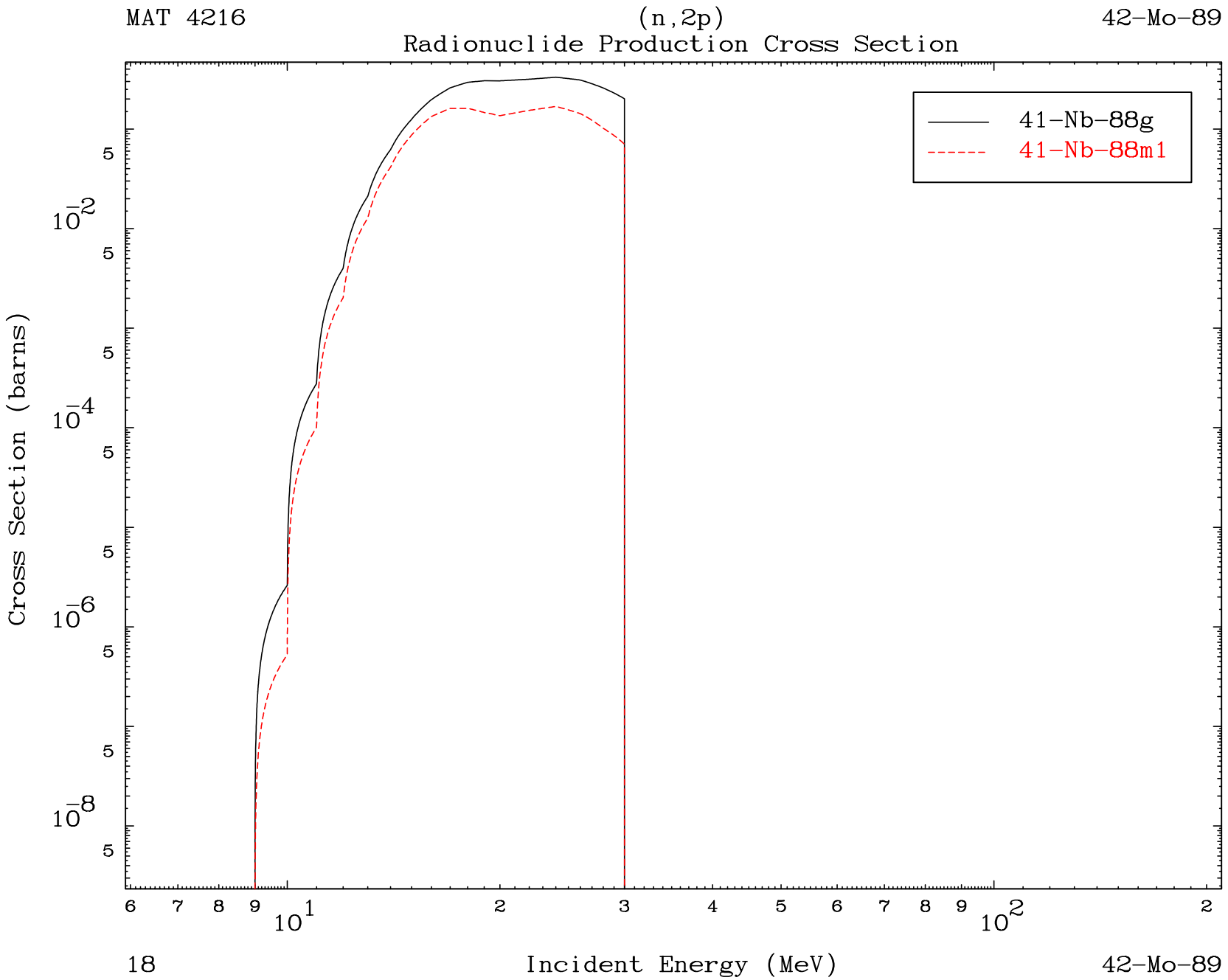

MAT 4216
(n,n') α
42-Mo-89
Radionuclide Production Cross Section
41-Nb-85g
41-Nb-85m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
42-Mo-89

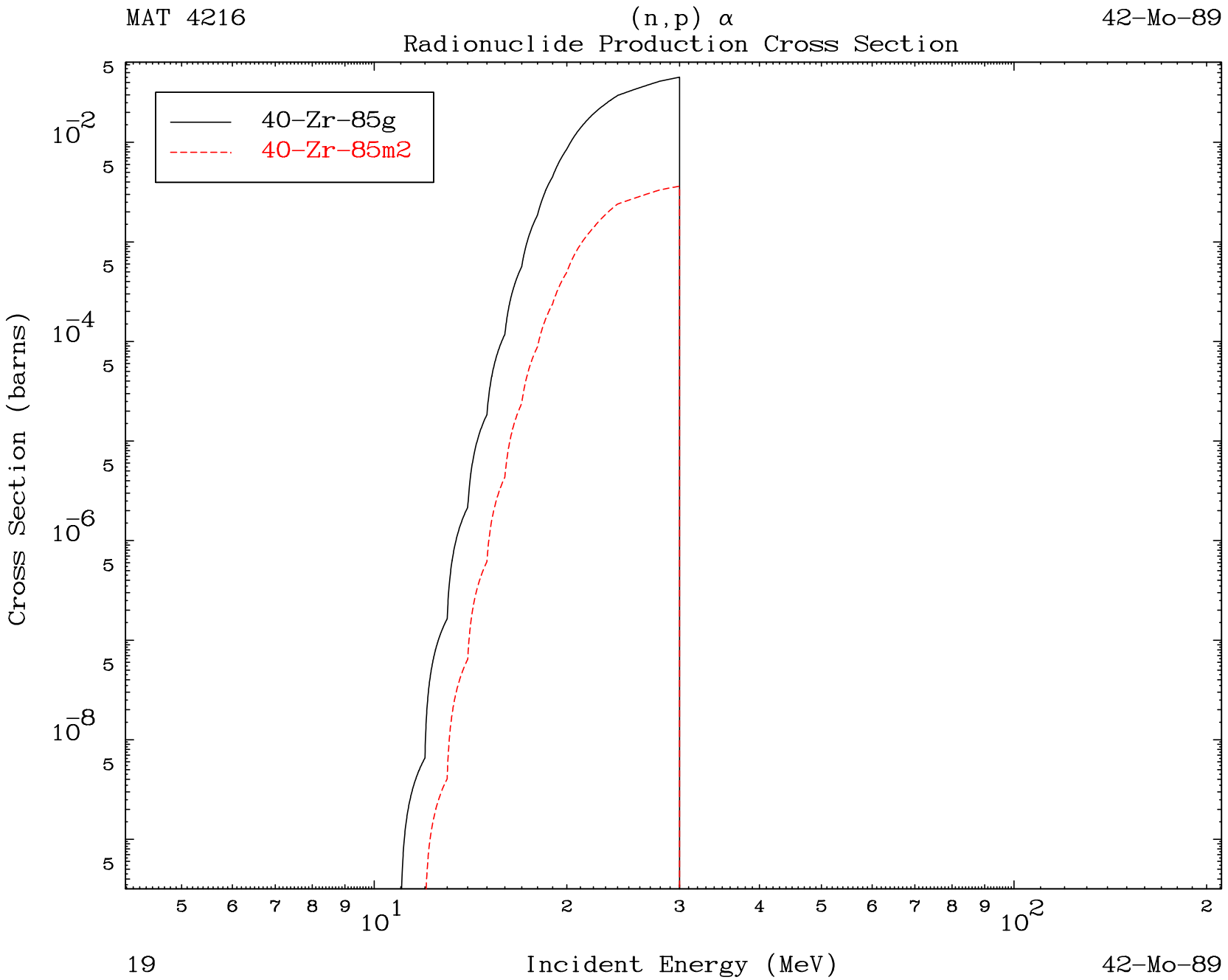

MAT 4216
(n,2n) p
42-Mo-89
Radionuclide Production Cross Section
41-Nb-87g
41-Nb-87m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10+2
Incident Energy (MeV)
14
42-Mo-89

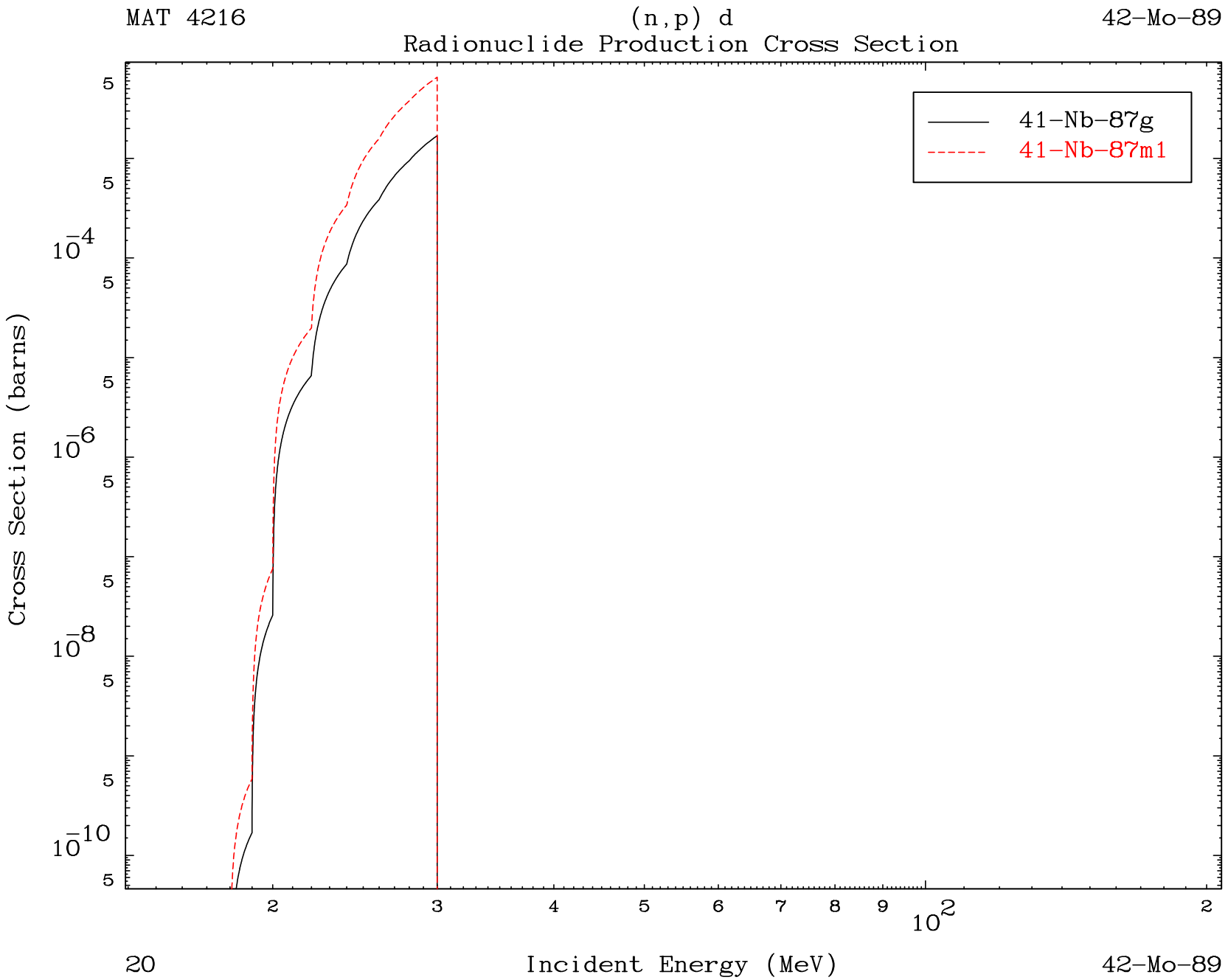

MAT 4216
(n,γ)
42-Mo-89
Radionuclide Production Cross Section
43-Tc-90g
43-Tc-90m2
Cross Section (barns)
Incident Energy (MeV)
15
42-Mo-89


MAT 4216
(n,p)
42-Mo-89
Radionuclide Production Cross Section
42-Mo-89g
42-Mo-89m2
Cross Section (barns)
Incident Energy (MeV)
16
42-Mo-89


MAT 4216
(n,He-3)
42-Mo-89
Radionuclide Production Cross Section
41-Nb-87g
41-Nb-87m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
17
42-Mo-89


MAT 4216
(n,2p)
42-Mo-89
Radionuclide Production Cross Section
41-Nb-88g
41-Nb-88m1
Cross Section (barns)
Incident Energy (MeV)
18
42-Mo-89


MAT 4216
(n,p) α
42-Mo-89
Radionuclide Production Cross Section
40-Zr-85g
40-Zr-85m2
Cross Section (barns)
Incident Energy (MeV)
19
42-Mo-89


MAT 4216
(n,p) d
42-Mo-89
Radionuclide Production Cross Section
41-Nb-87g
41-Nb-87m1
Cross Section (barns)
Incident Energy (MeV)
20
42-Mo-89