Program EVALPLOT
(Version 2017-1)
by
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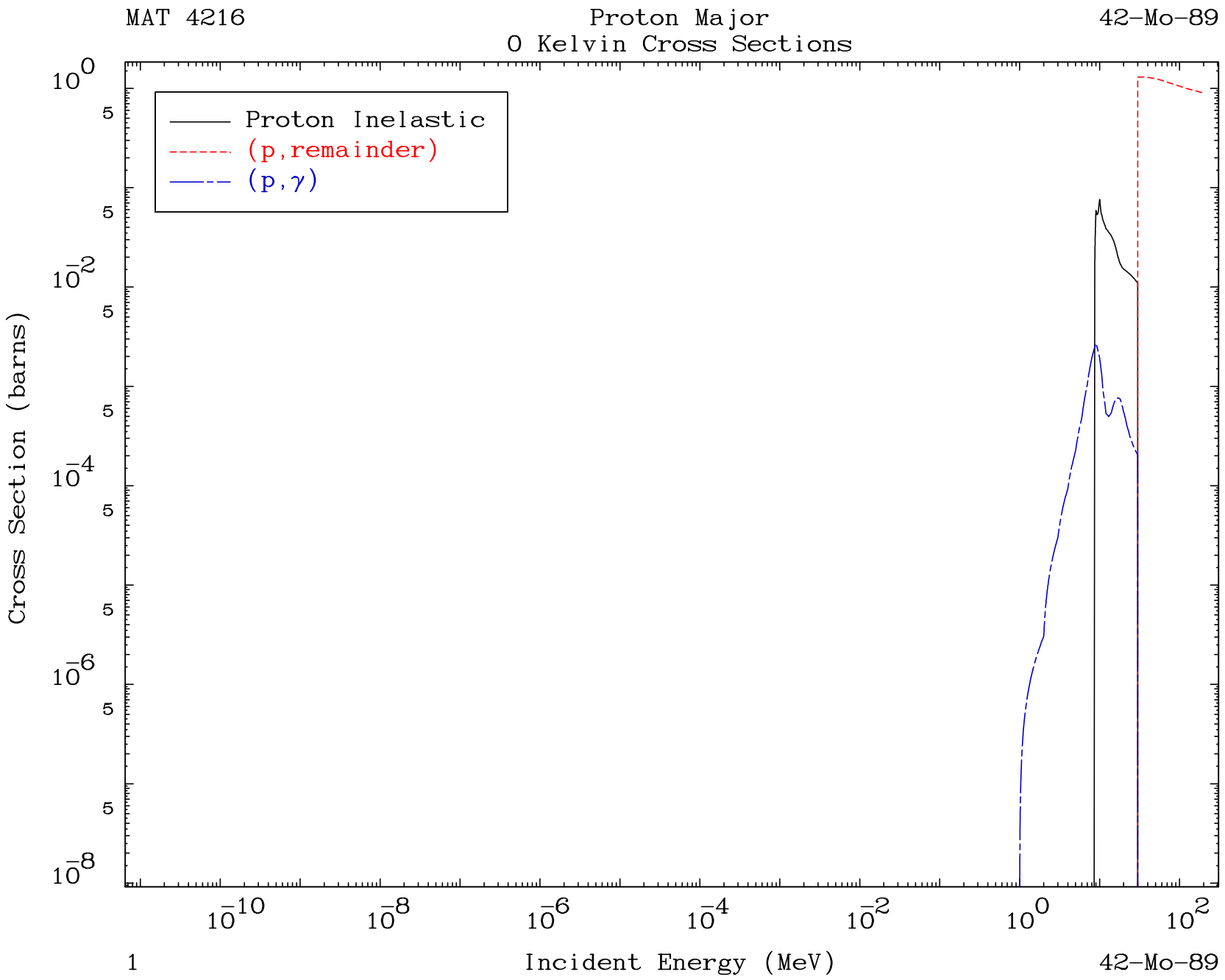
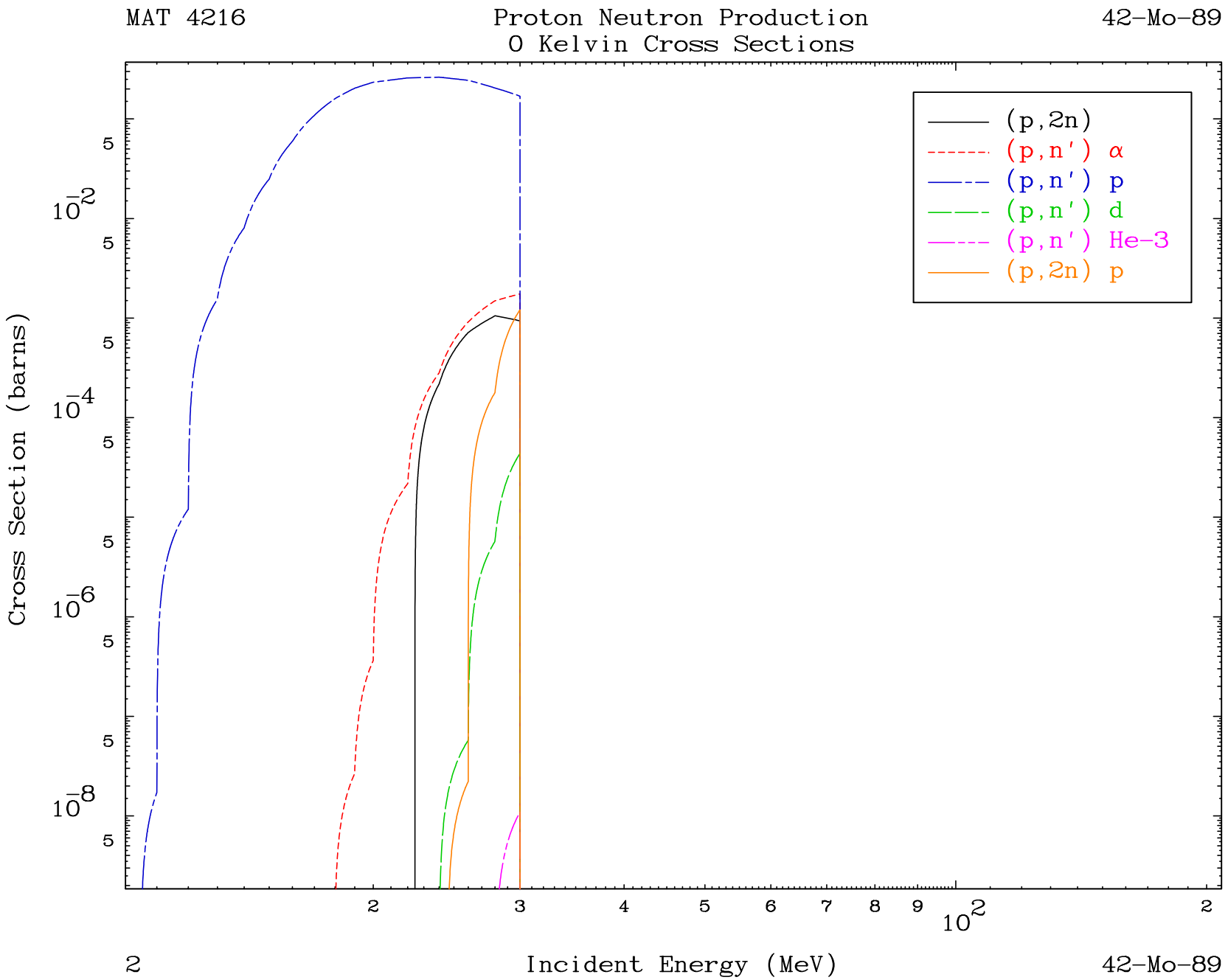
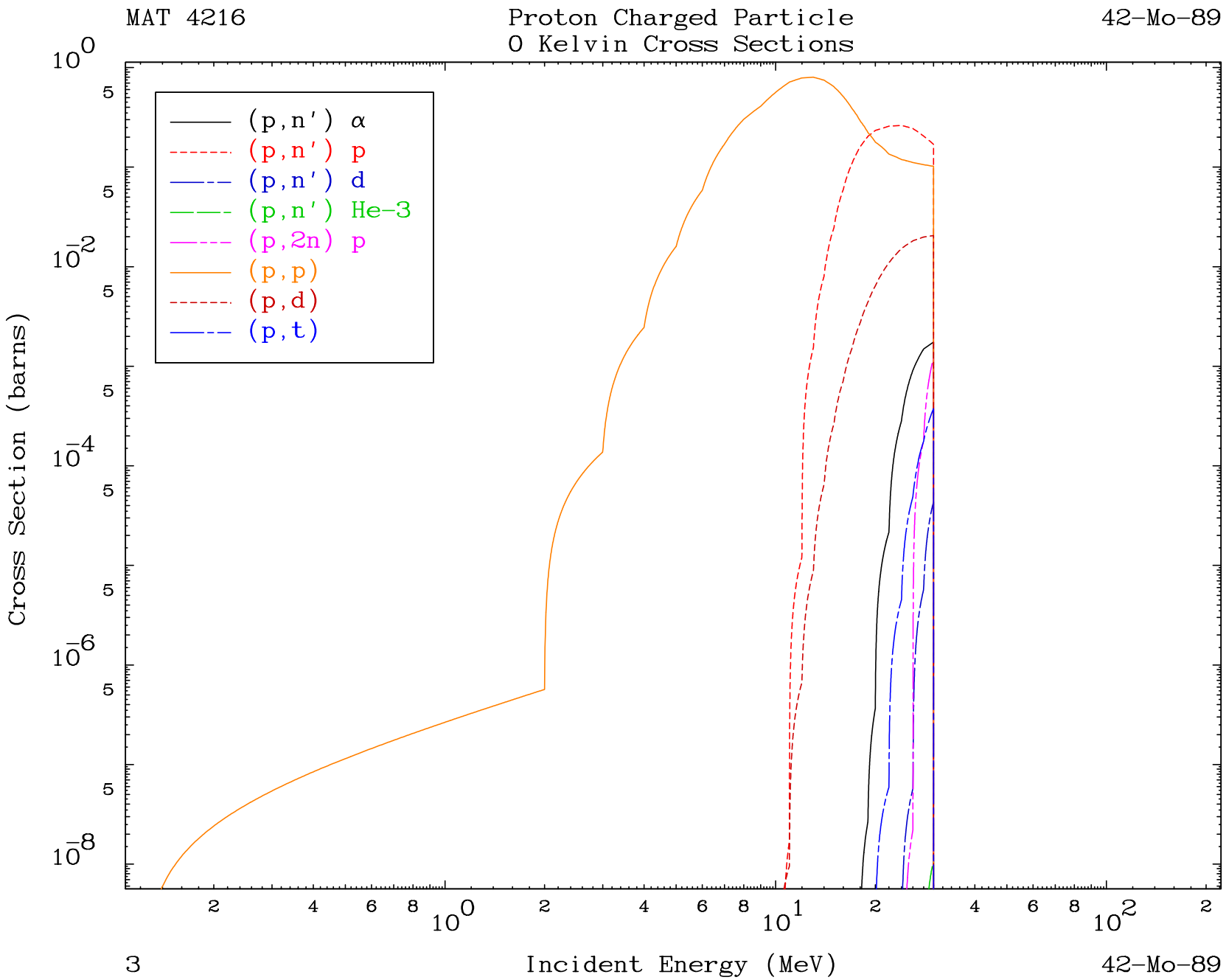
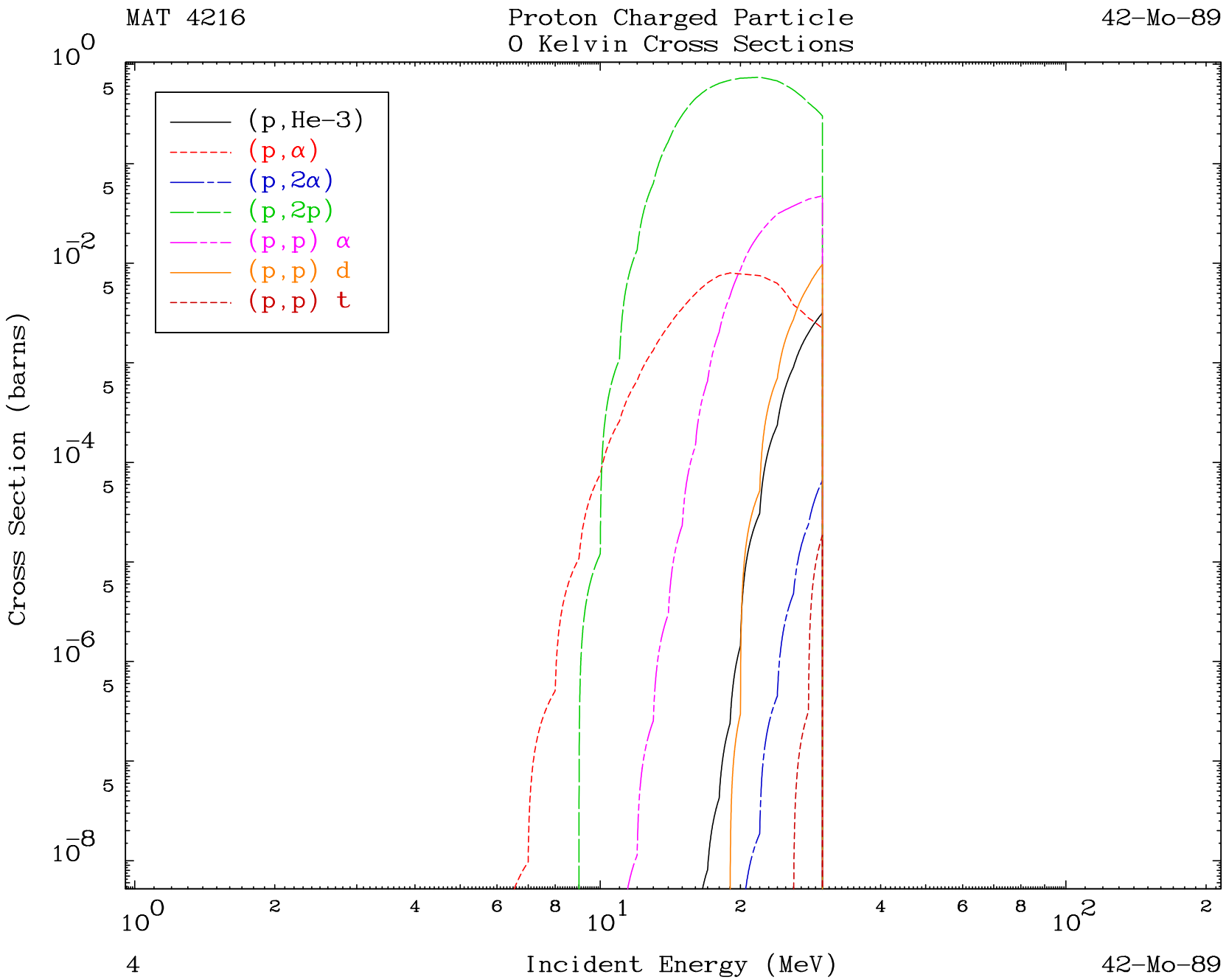
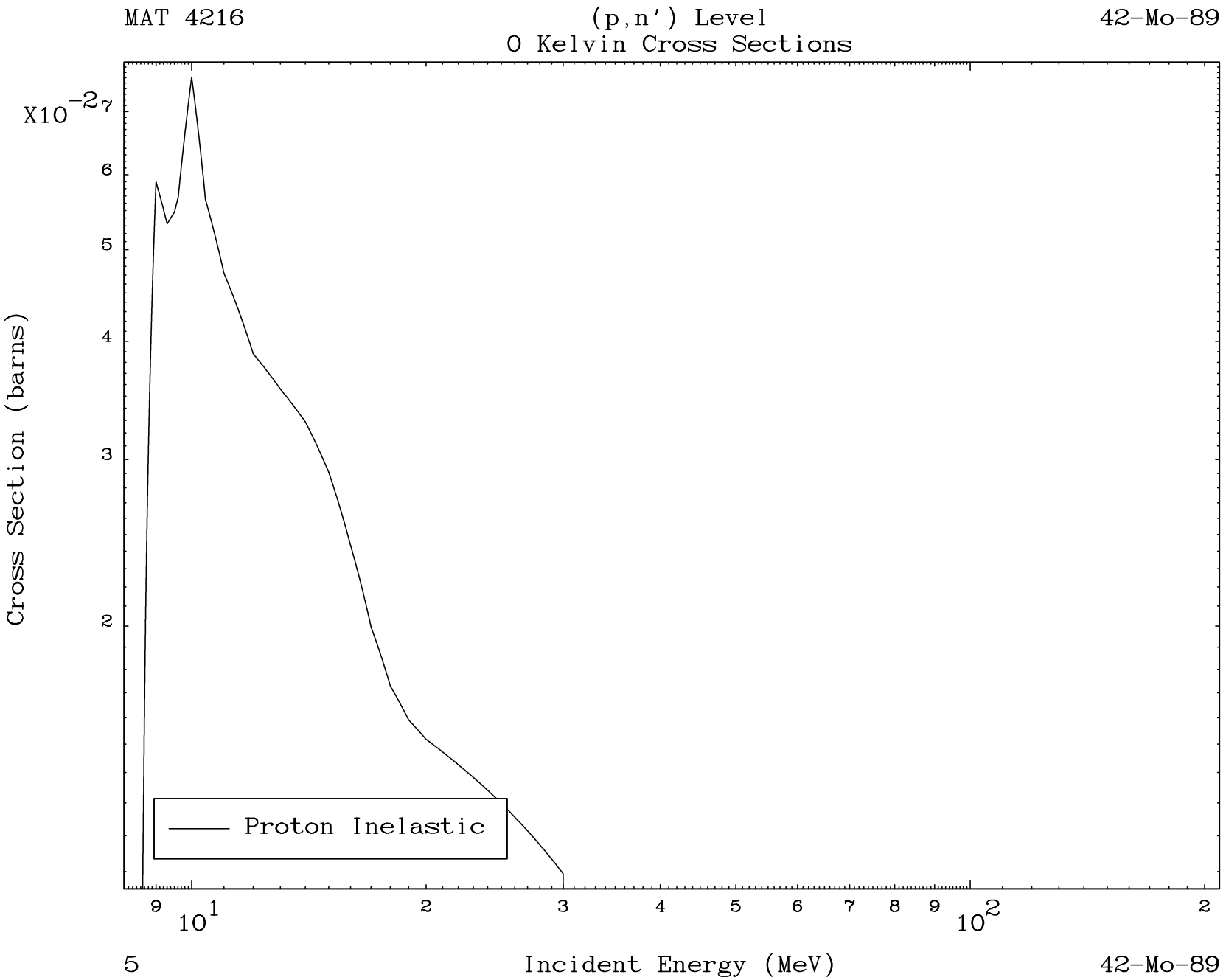
Press Mouse Button to Start

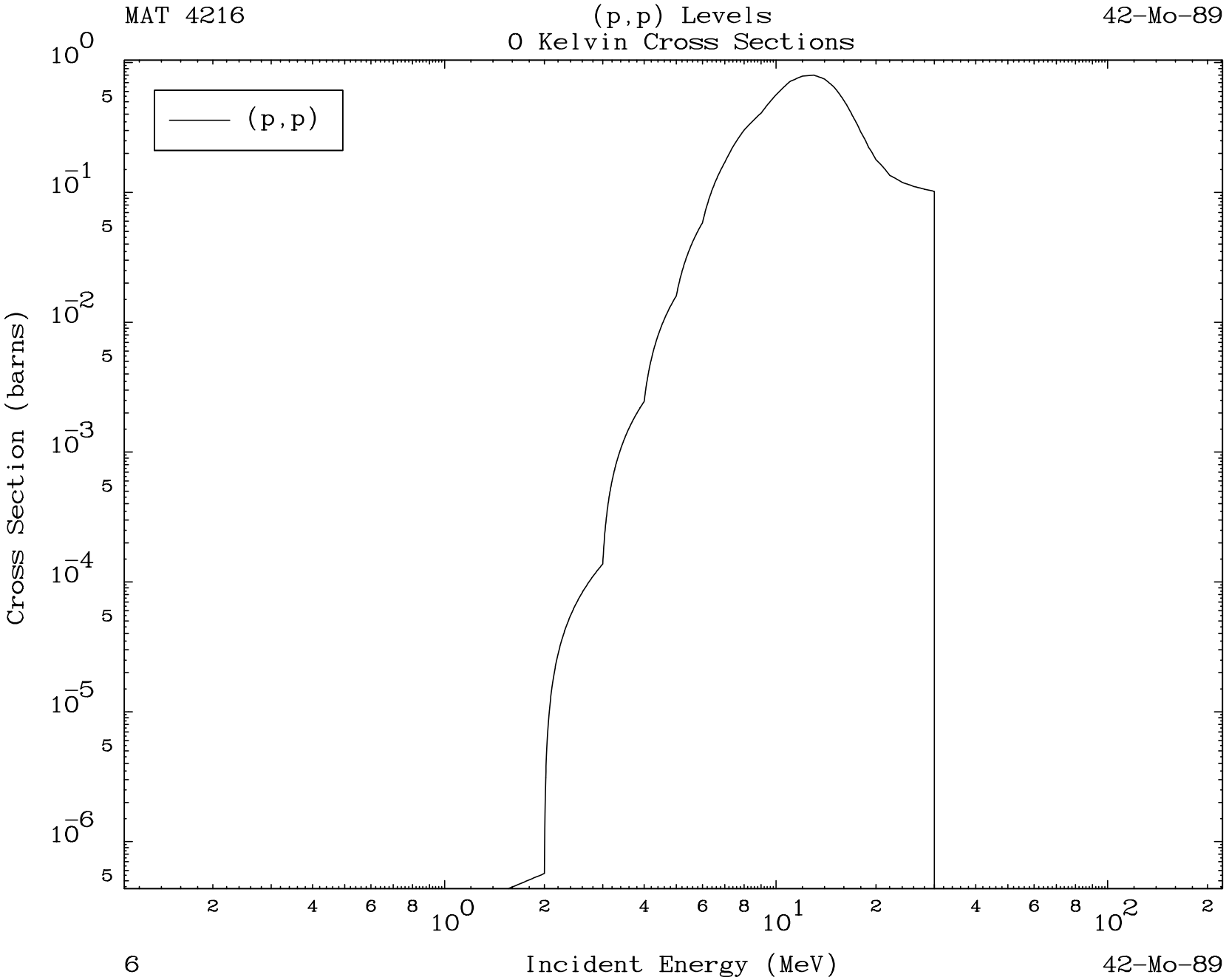

MAT 4216
Proton Major
42-Mo-89
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
1
42-Mo-89

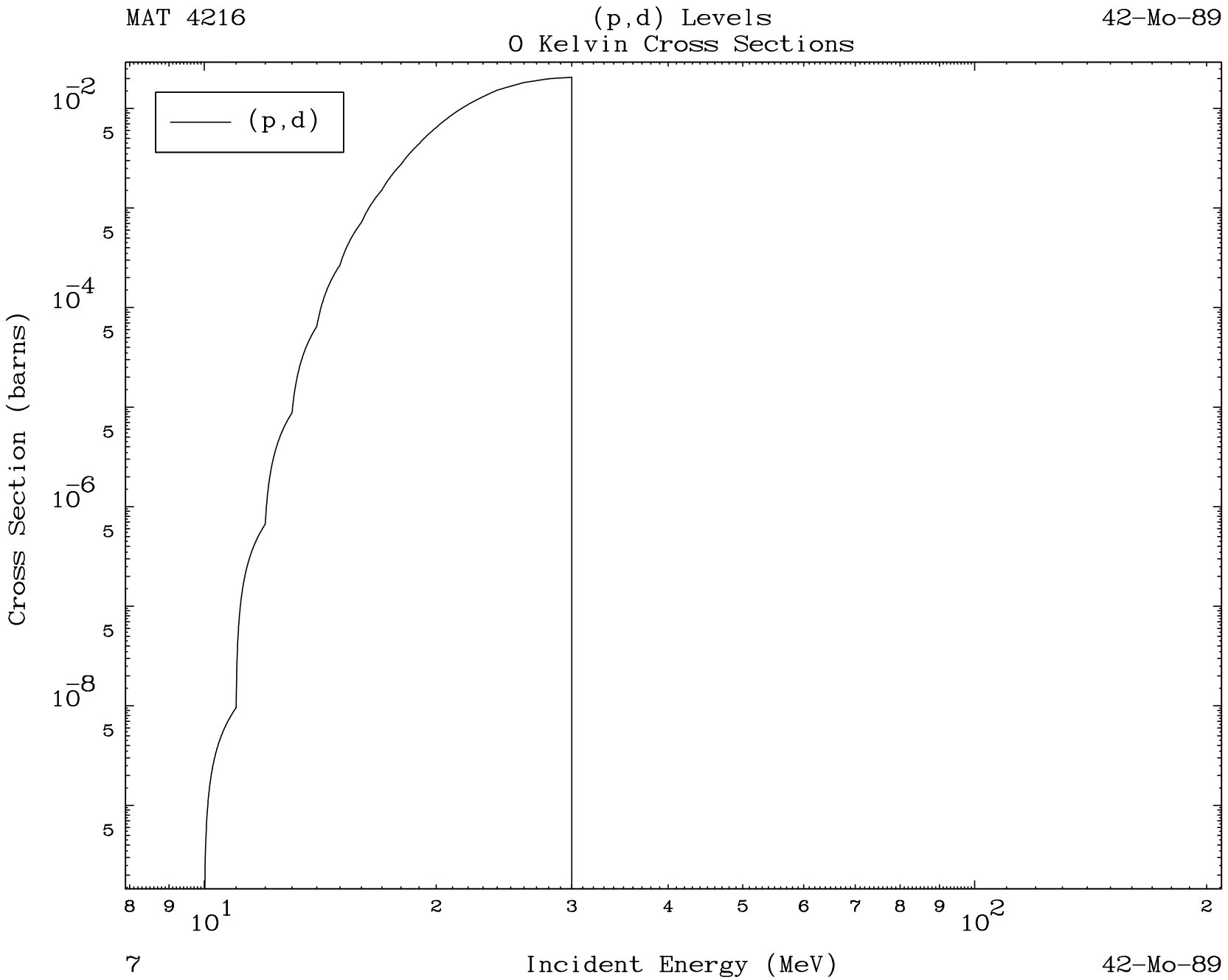

MAT 4216
Proton Neutron Production
0 Kelvin Cross Sections
42-Mo-89
(p,2n)
(p,n') α
(p,n') p
(p,n') d
(p,n') He-3
(p,2n) p
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
42-Mo-89

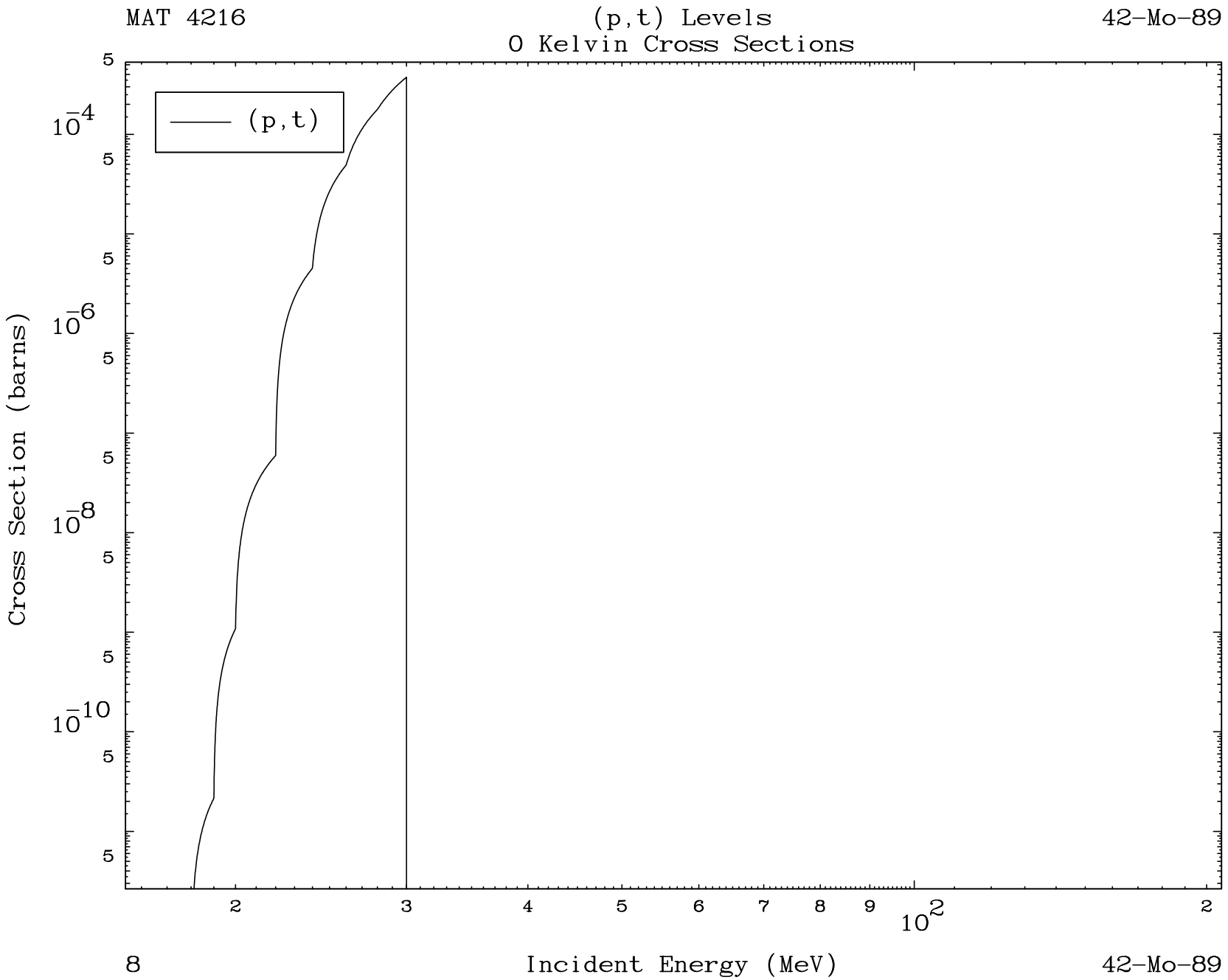

MAT 4216
Proton Charged Particle
0 Kelvin Cross Sections
42-Mo-89
(p,n') α
(p,n') p
(p,n') d
(p,n') He-3
(p,2n) p
(p,p)
(p,d)
(p,t)
Cross Section (barns)
Incident Energy (MeV)
3
42-Mo-89

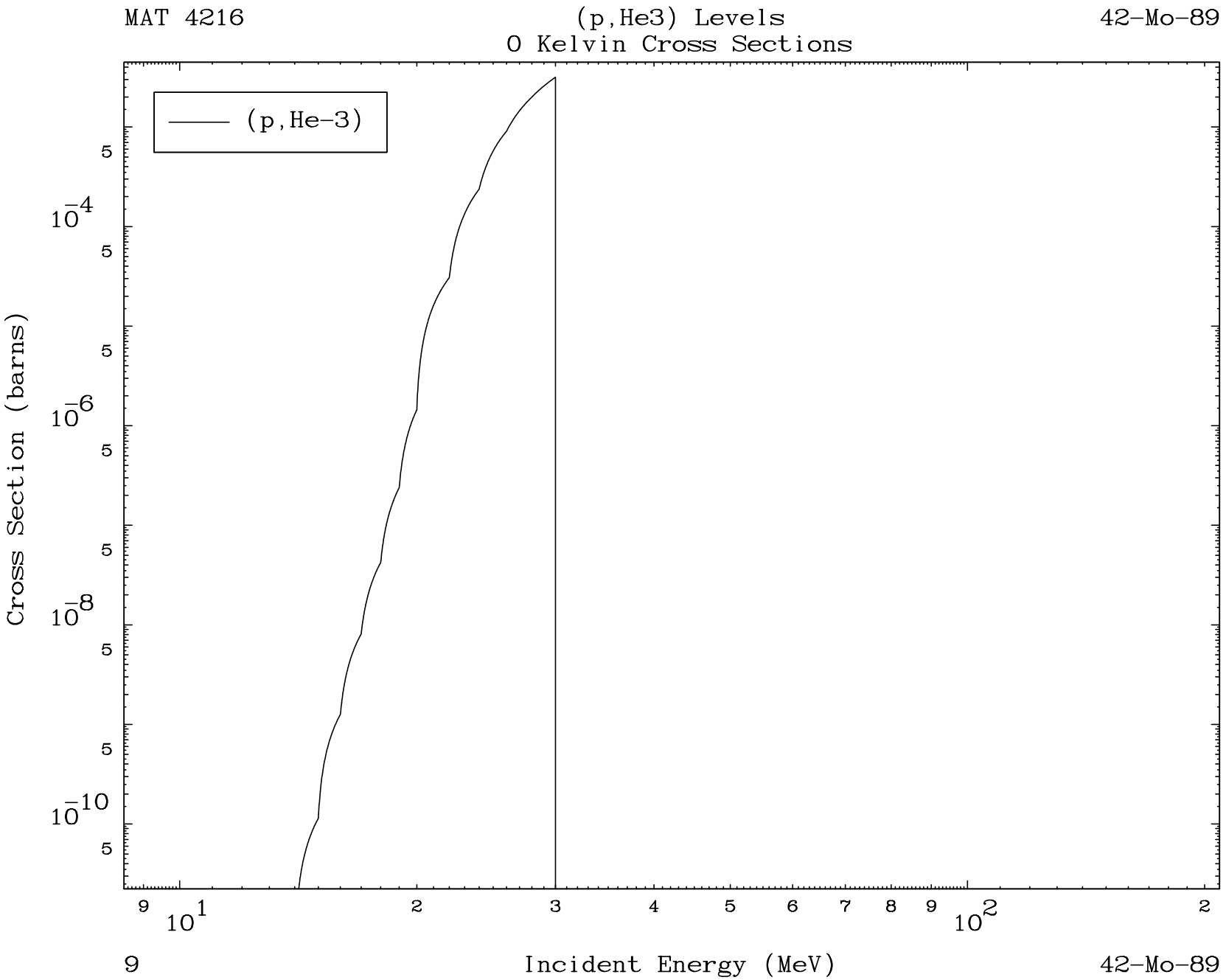

MAT 4216
Proton Charged Particle
0 Kelvin Cross Sections
42-Mo-89
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
42-Mo-89
4

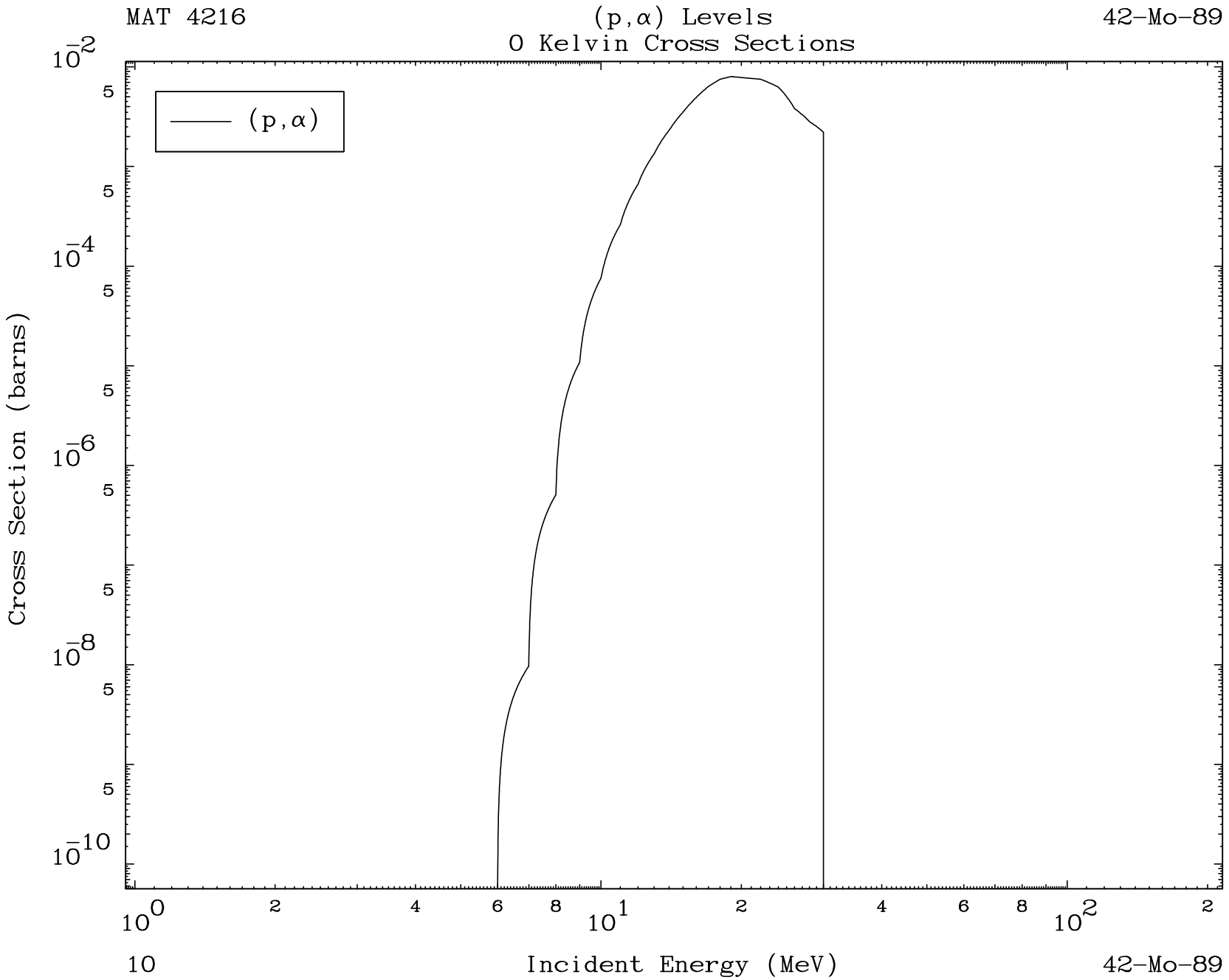

MAT 4216
(p,n') Level
42-Mo-89
0 Kelvin Cross Sections
X10^-2
7
6
5
4
3
2
Cross Section (barns)
Proton Inelastic
9
10^1
2
3
4
5
6
7
8
9
10^2
2
5
Incident Energy (MeV)
42-Mo-89

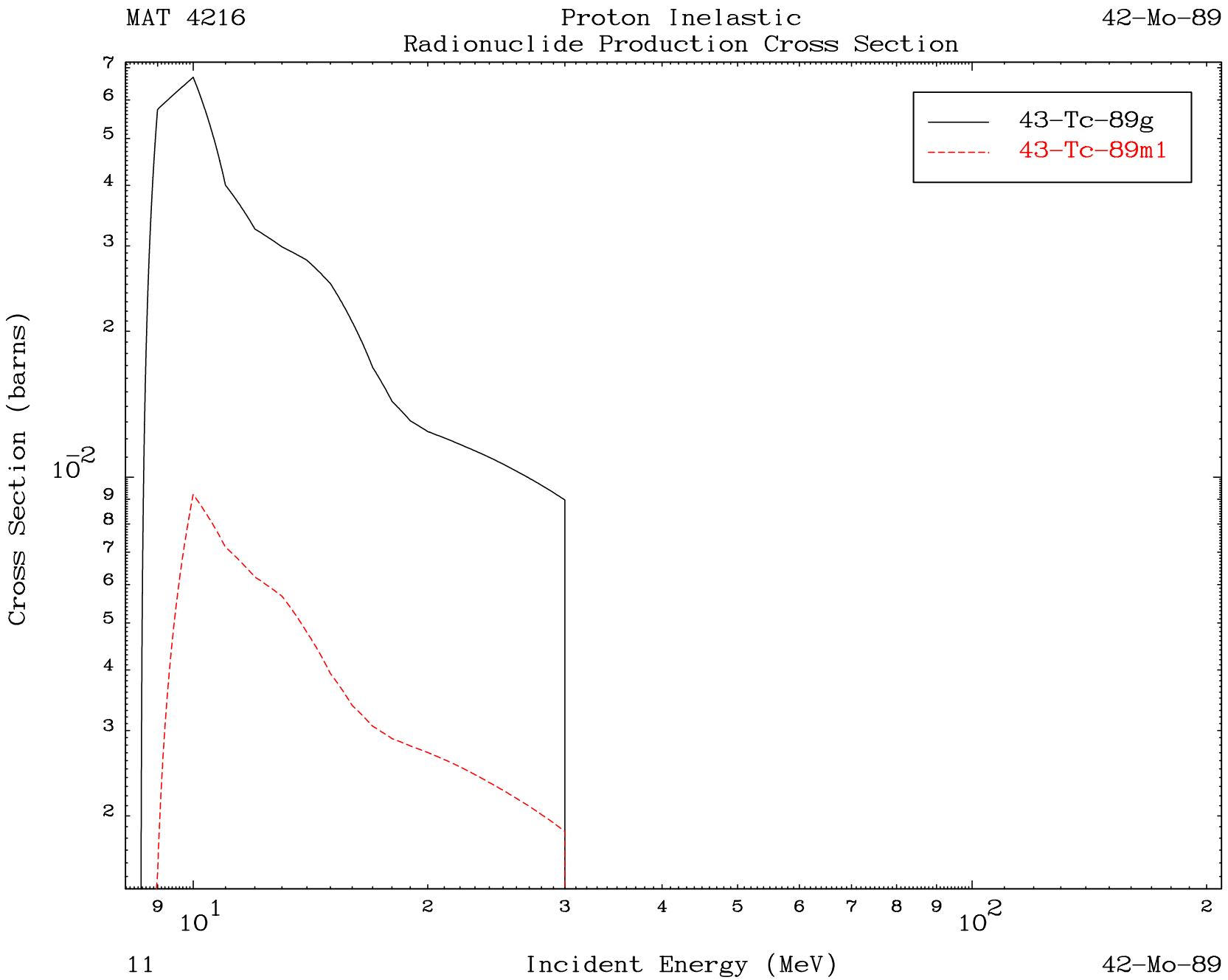

MAT 4216
(p,p) Levels
42-Mo-89
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
6
42-Mo-89

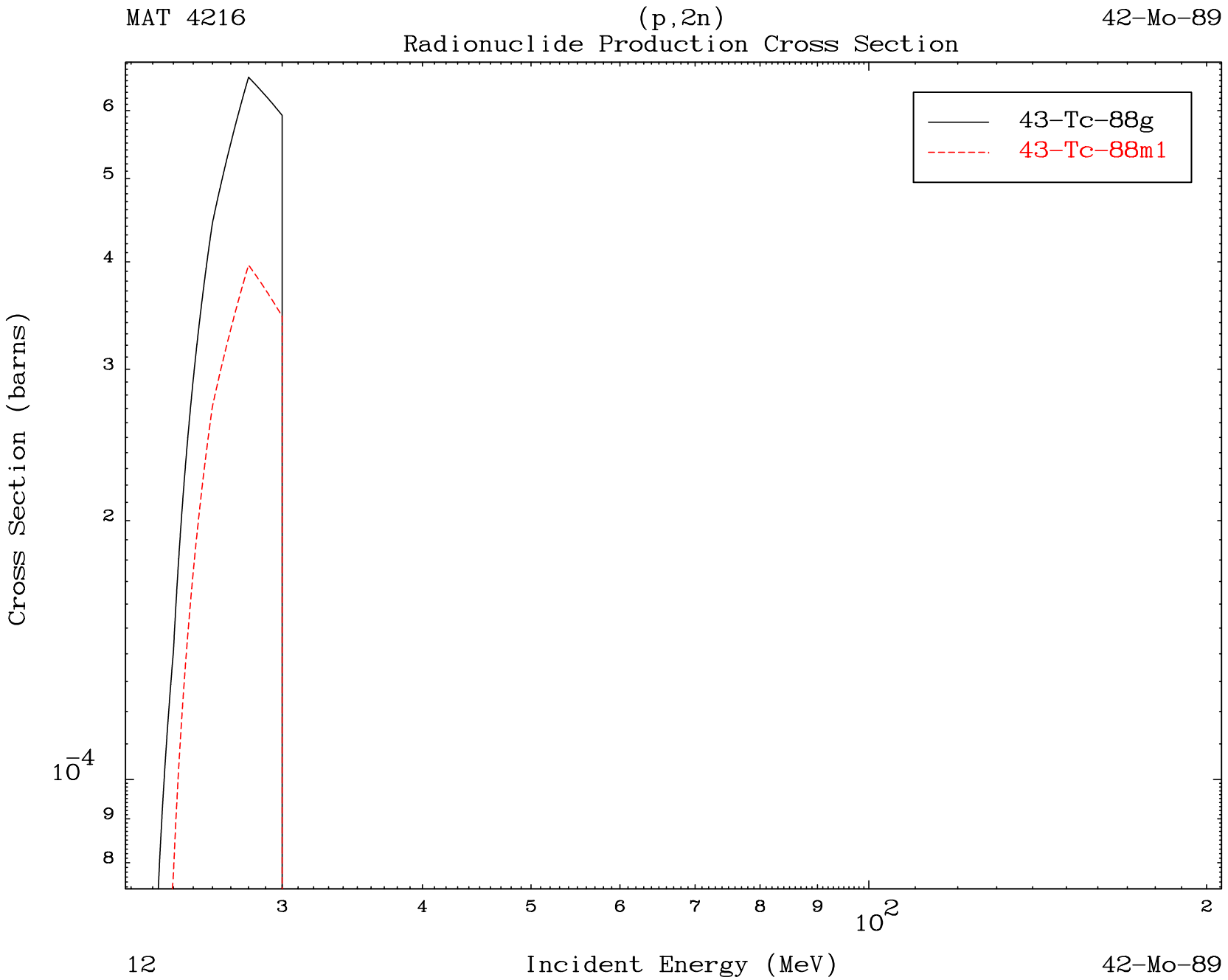

MAT 4216
(p,d) Levels
42-Mo-89
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
Incident Energy (MeV)
7
42-Mo-89

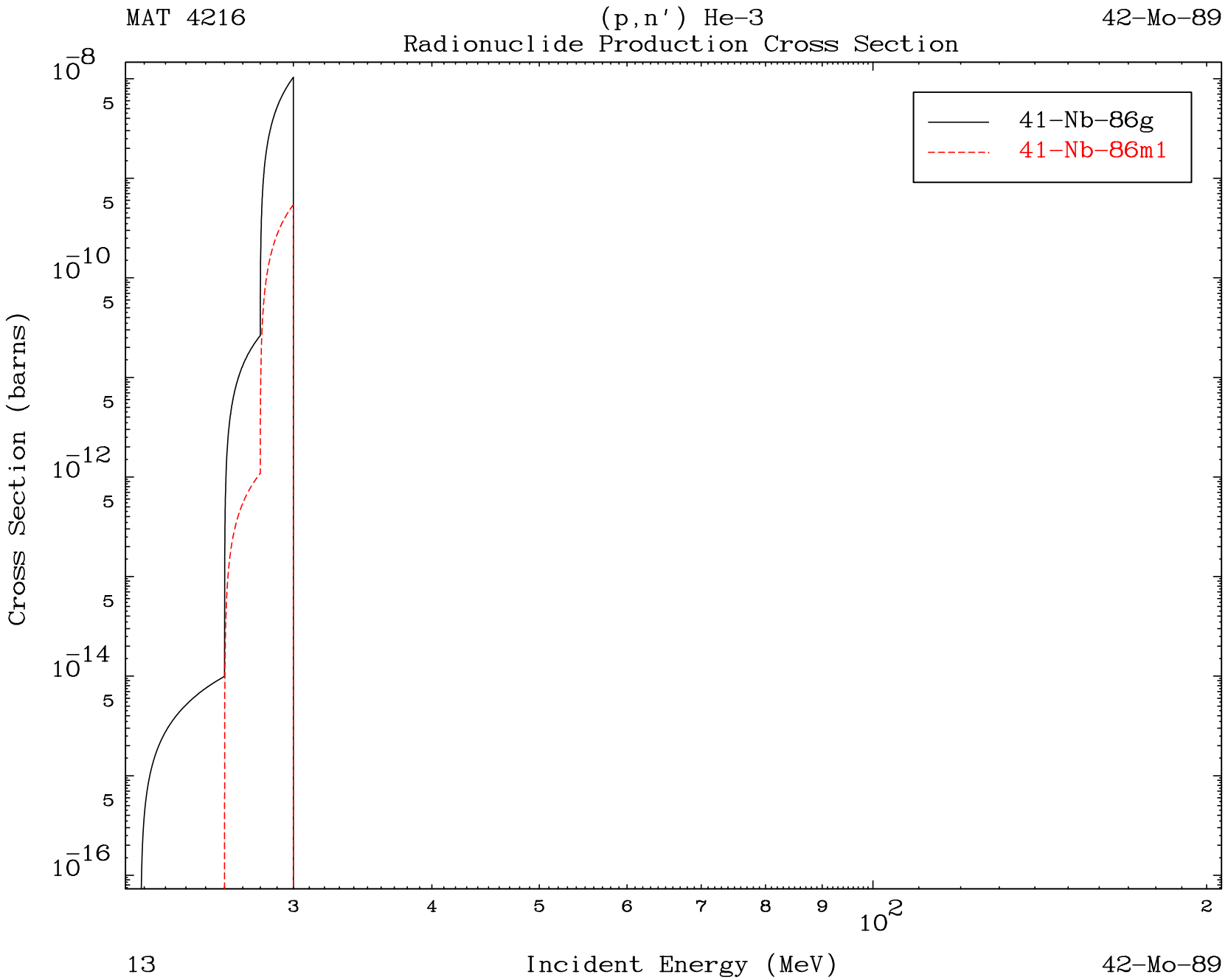

MAT 4216
(p,t) Levels
42-Mo-89
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
Incident Energy (MeV)
8
42-Mo-89

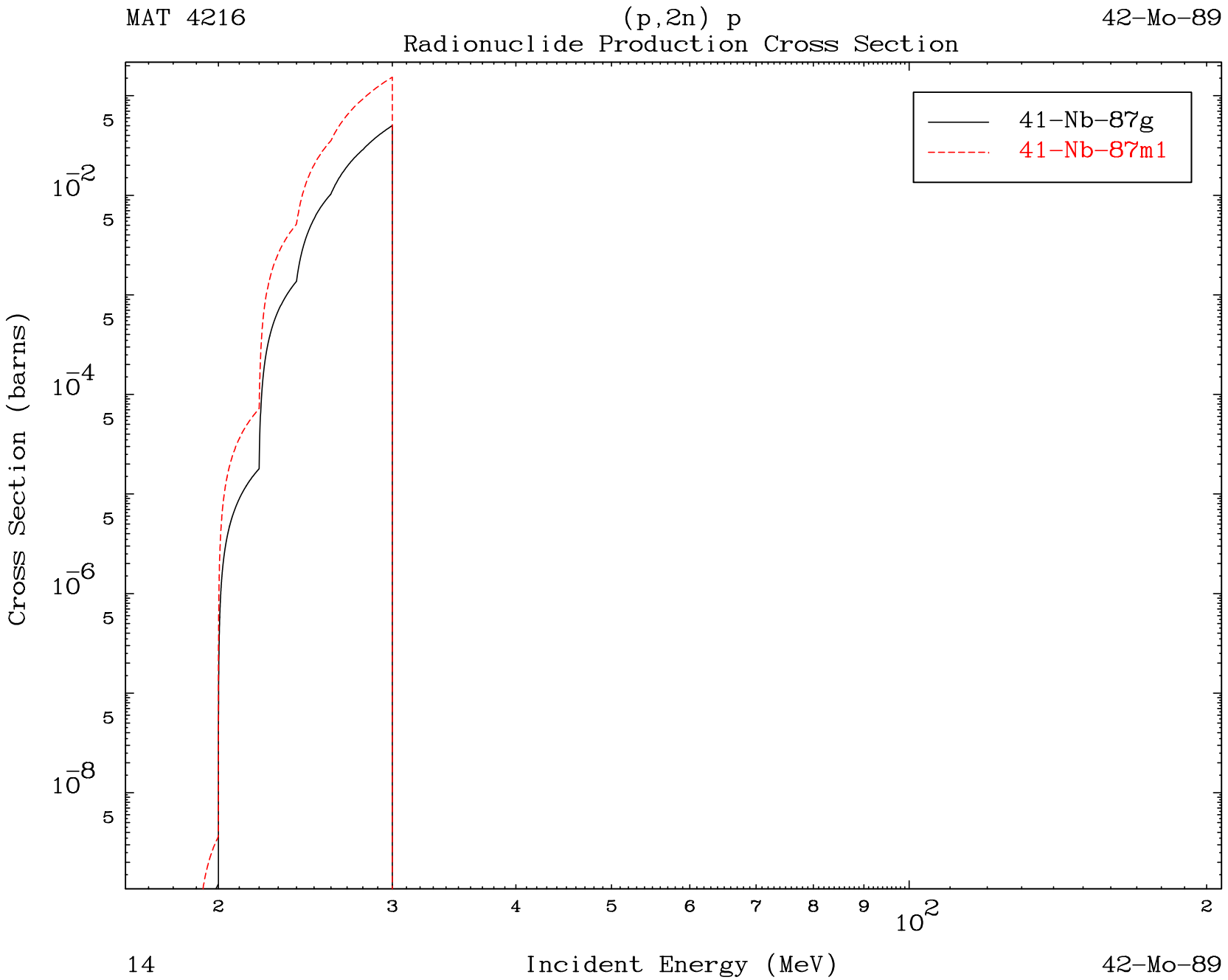

MAT 4216
(p,He3) Levels
42-Mo-89
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
42-Mo-89

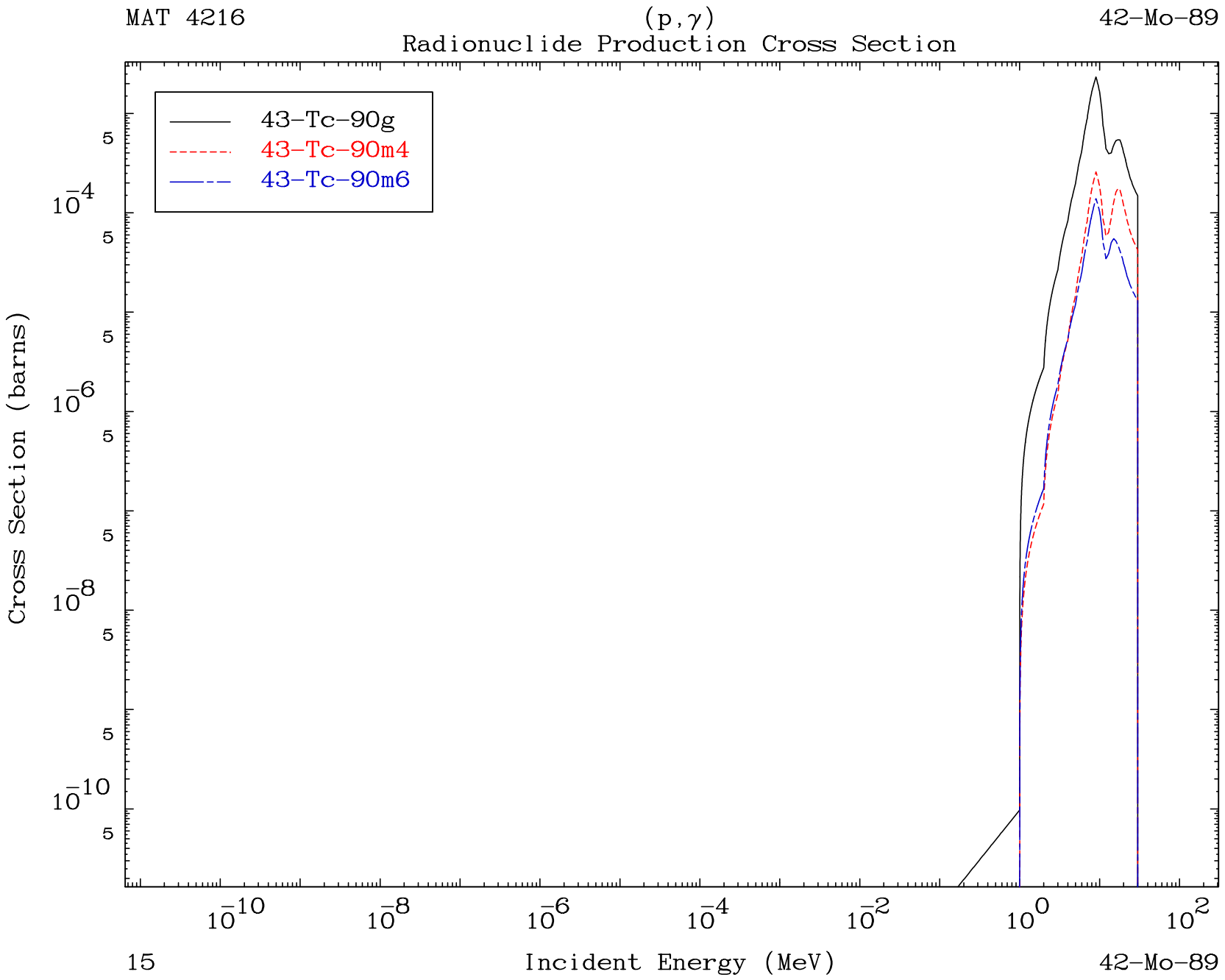

MAT 4216
(p,α) Levels
42-Mo-89
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
42-Mo-89

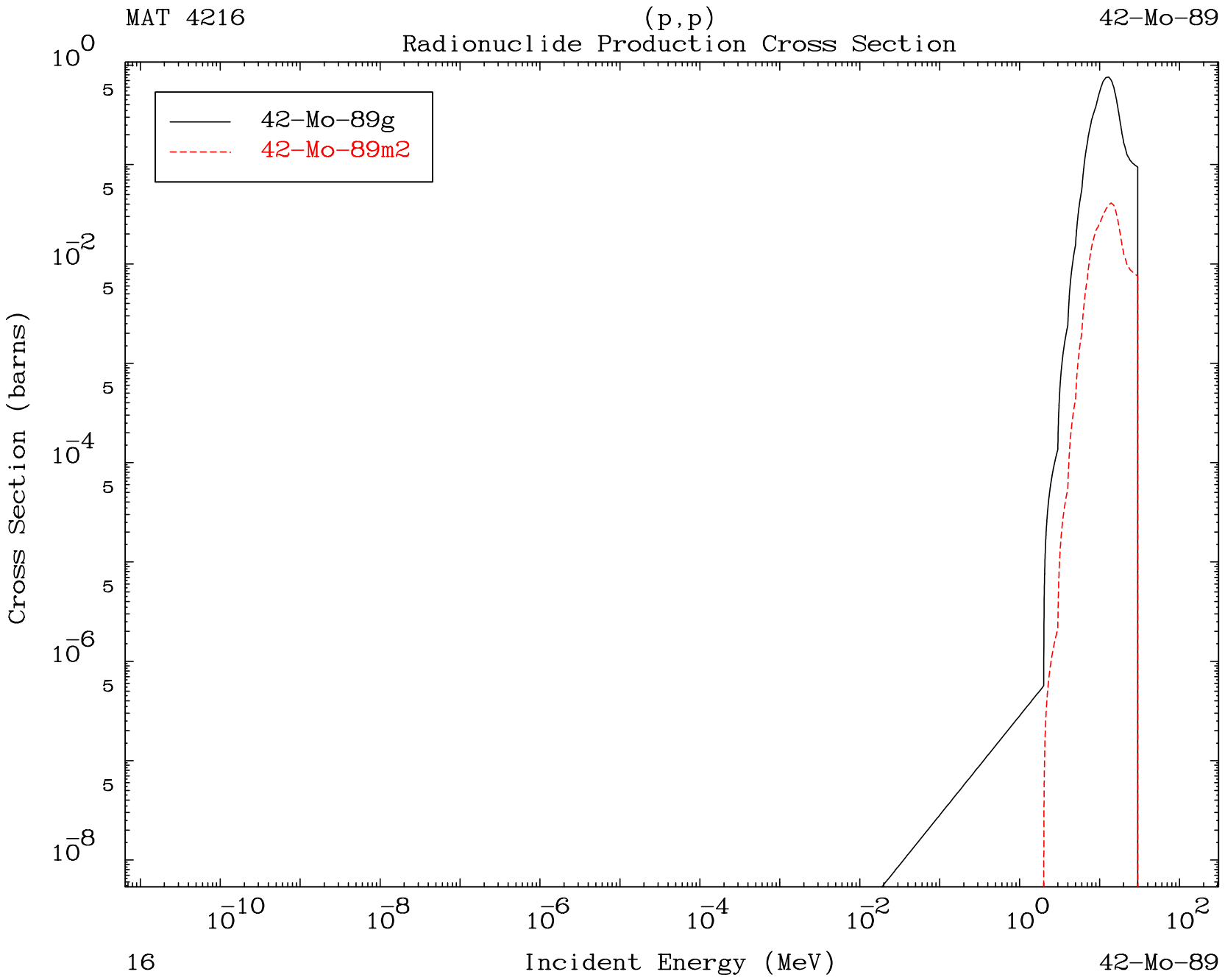

MAT 4216
Proton Inelastic
42-Mo-89
Radionuclide Production Cross Section
43-Tc-89g
43-Tc-89m1
Cross Section (barns)
Incident Energy (MeV)
11
42-Mo-89

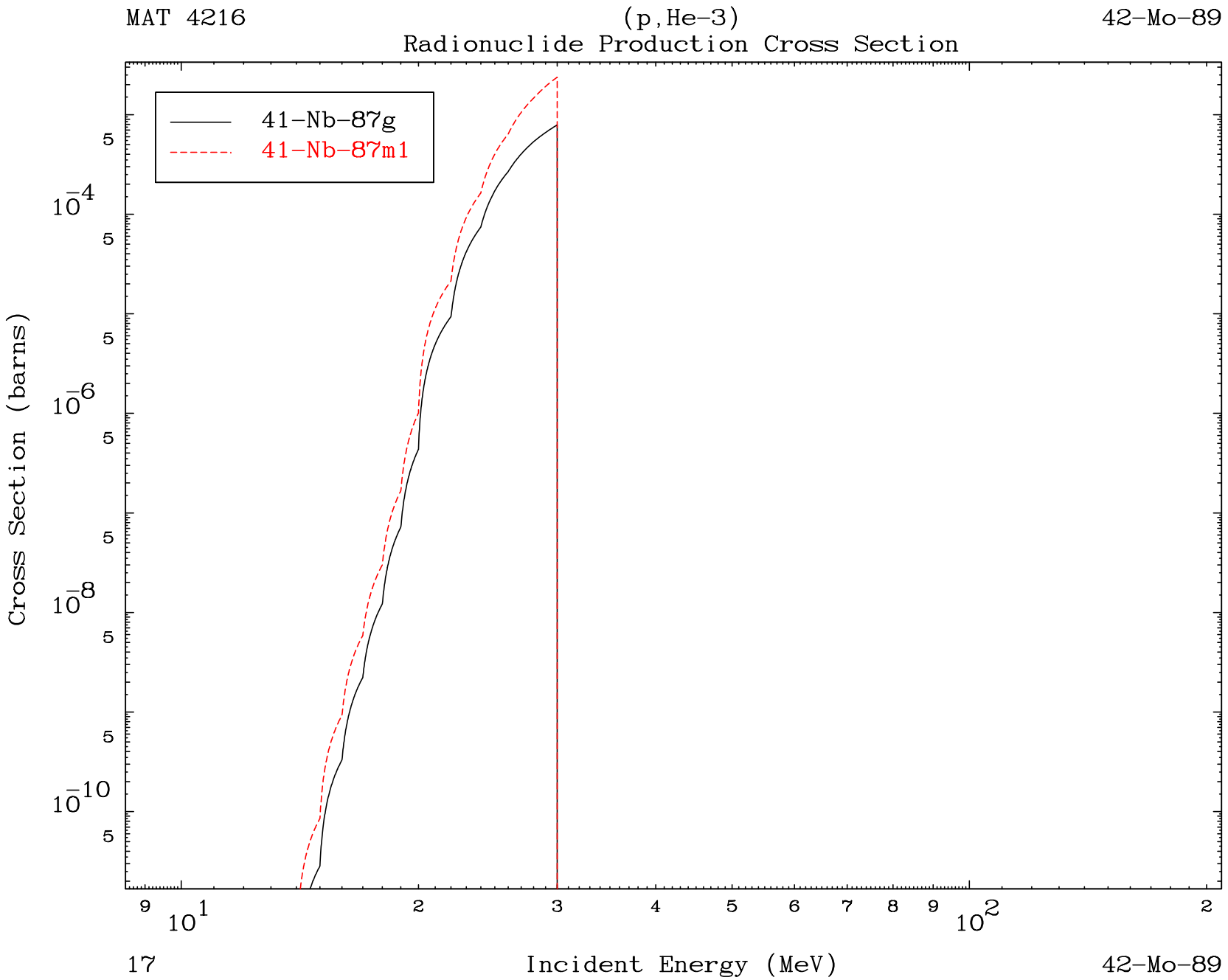

MAT 4216
(p,2n)
42-Mo-89
Radionuclide Production Cross Section
43-Tc-88g
43-Tc-88m1
Cross Section (barns)
6
5
4
3
2
10^-4
9
8
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
42-Mo-89

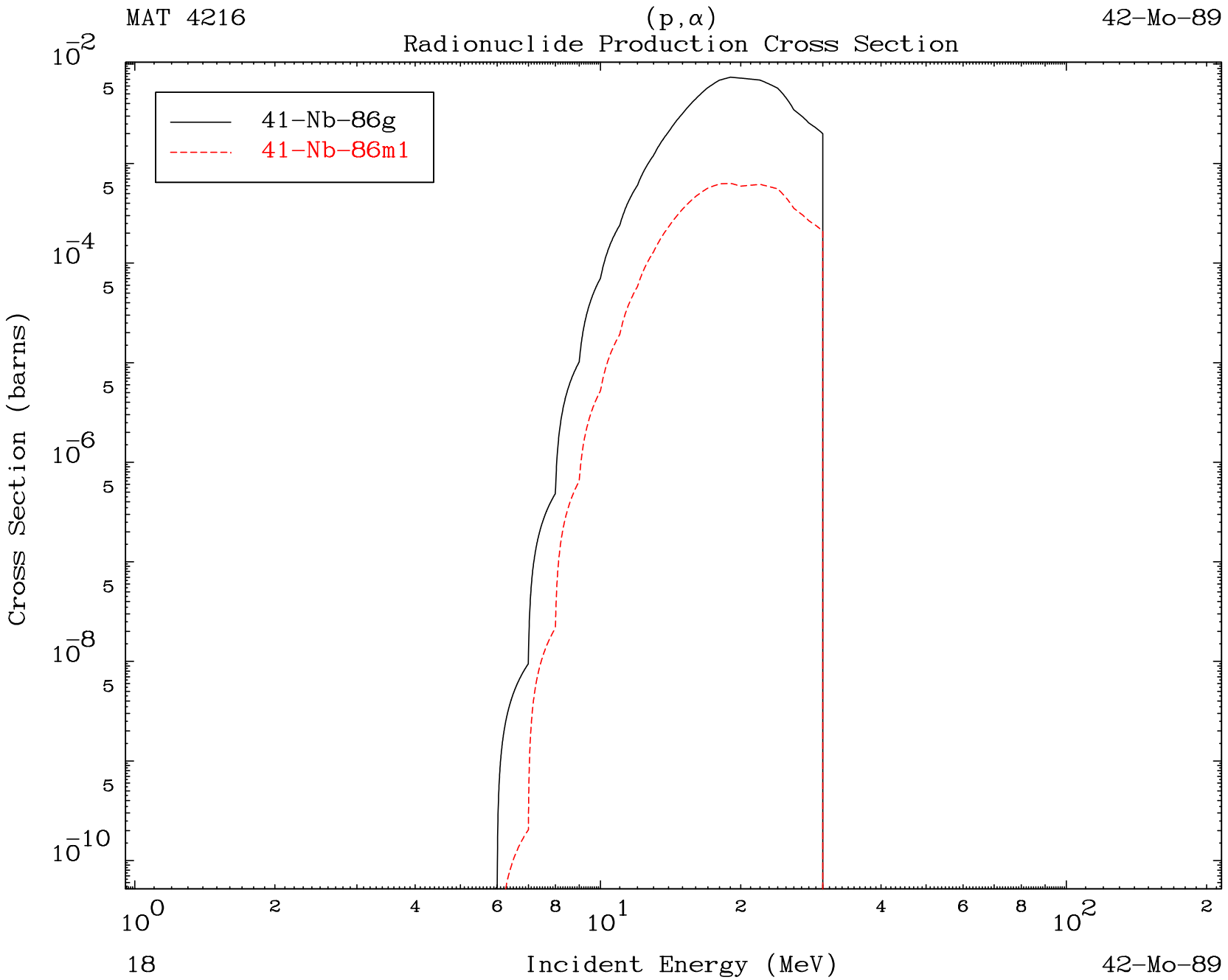

MAT 4216
(p,n') He-3
42-Mo-89
Radionuclide Production Cross Section
41-Nb-86g
41-Nb-86m1
Cross Section (barns)
10-8
10-10
10-12
10-14
10-16
5
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
42-Mo-89

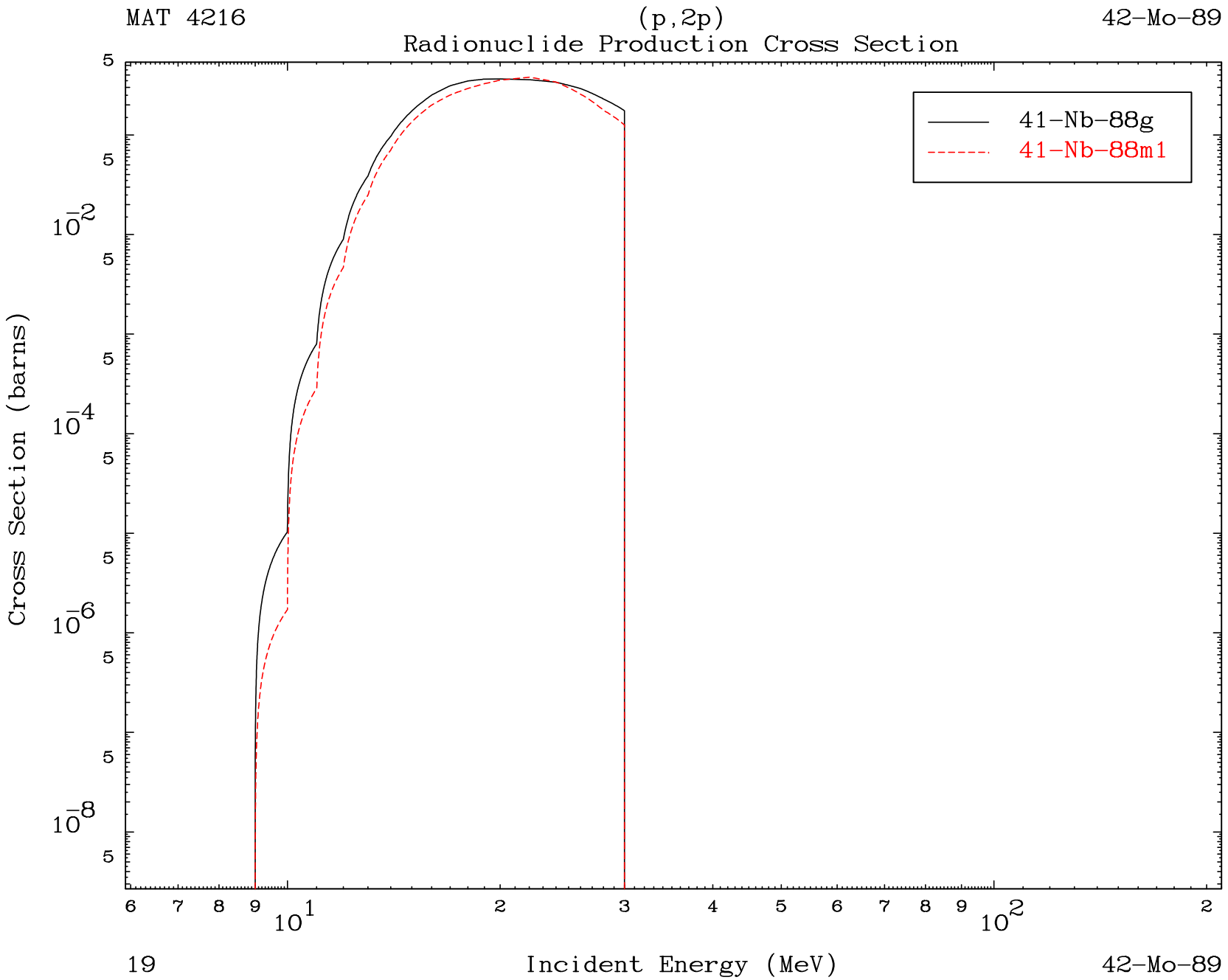

MAT 4216
(p,2n) p
42-Mo-89
Radionuclide Production Cross Section
41-Nb-87g
41-Nb-87m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10+2
Incident Energy (MeV)
14
42-Mo-89

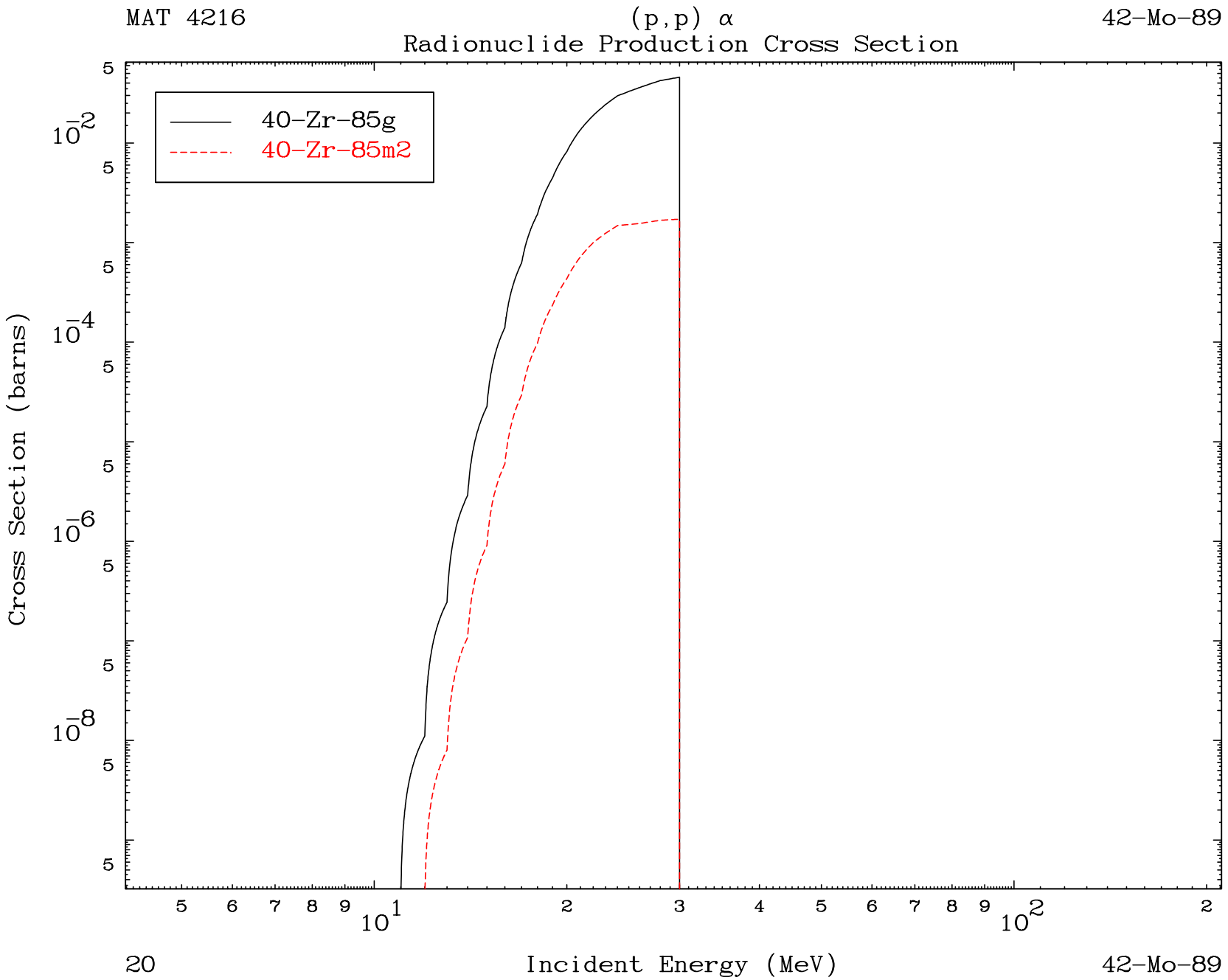

MAT 4216
(p,γ)
42-Mo-89
Radionuclide Production Cross Section
43-Tc-90g
43-Tc-90m4
43-Tc-90m6
Cross Section (barns)
Incident Energy (MeV)
15
42-Mo-89

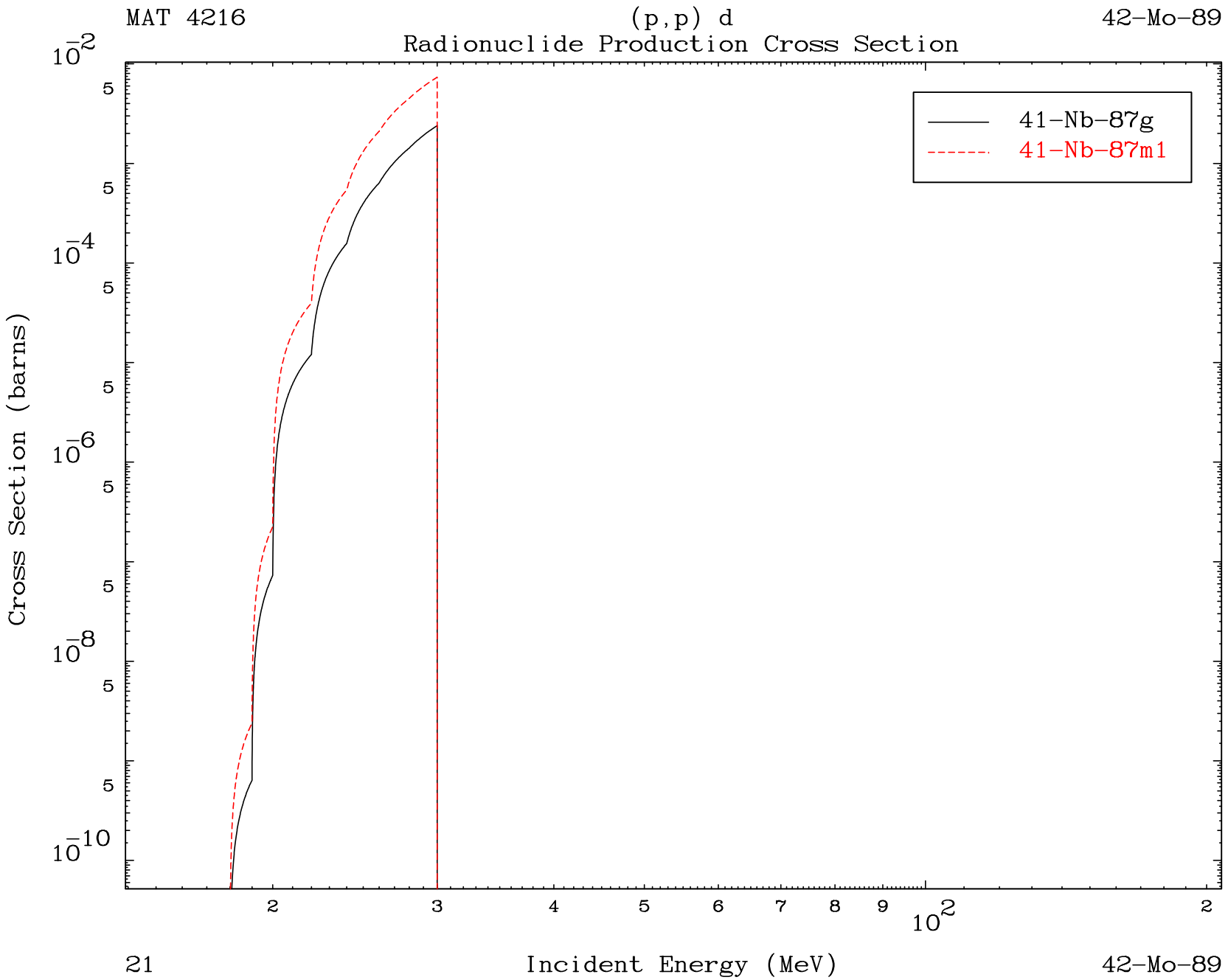

MAT 4216
(p,p)
42-Mo-89
Radionuclide Production Cross Section
42-Mo-89g
42-Mo-89m2
Cross Section (barns)
Incident Energy (MeV)
16
42-Mo-89

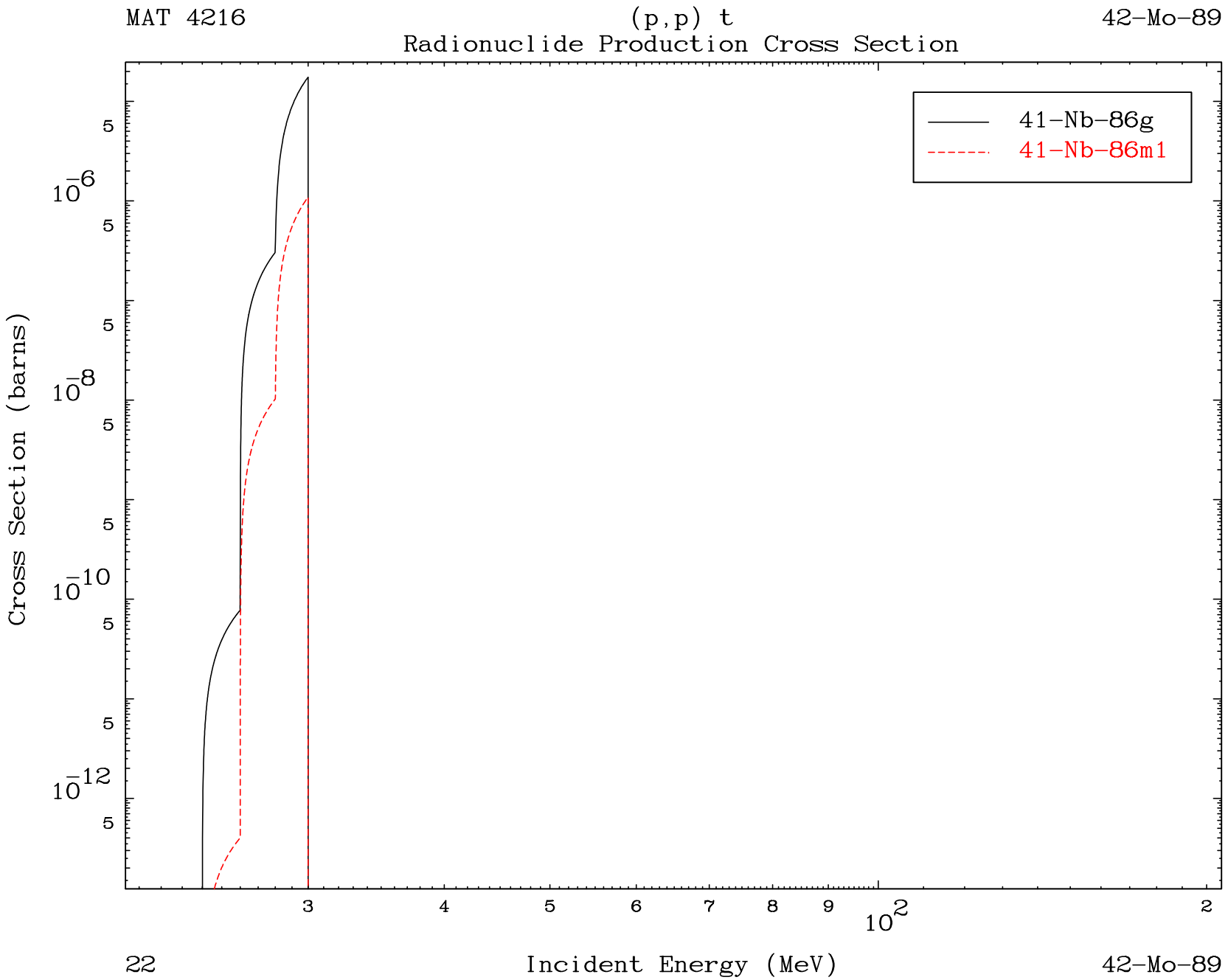

MAT 4216
(p,He-3)
42-Mo-89
Radionuclide Production Cross Section
41-Nb-87g
41-Nb-87m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
42-Mo-89


MAT 4216
(p,α)
42-Mo-89
Radionuclide Production Cross Section
41-Nb-86g
41-Nb-86m1
Cross Section (barns)
Incident Energy (MeV)
18
42-Mo-89


MAT 4216
(p,2p)
42-Mo-89
Radionuclide Production Cross Section
41-Nb-88g
41-Nb-88m1
Cross Section (barns)
Incident Energy (MeV)
19
42-Mo-89


MAT 4216
(p,p) α
42-Mo-89
Radionuclide Production Cross Section
40-Zr-85g
40-Zr-85m2
Cross Section (barns)
Incident Energy (MeV)
20
42-Mo-89


MAT 4216
(p,p) d
42-Mo-89
Radionuclide Production Cross Section
41-Nb-87g
41-Nb-87m1
Cross Section (barns)
Incident Energy (MeV)
21
42-Mo-89


MAT 4216
(p,p) t
42-Mo-89
Radionuclide Production Cross Section
41-Nb-86g
41-Nb-86m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
22
Incident Energy (MeV)
42-Mo-89