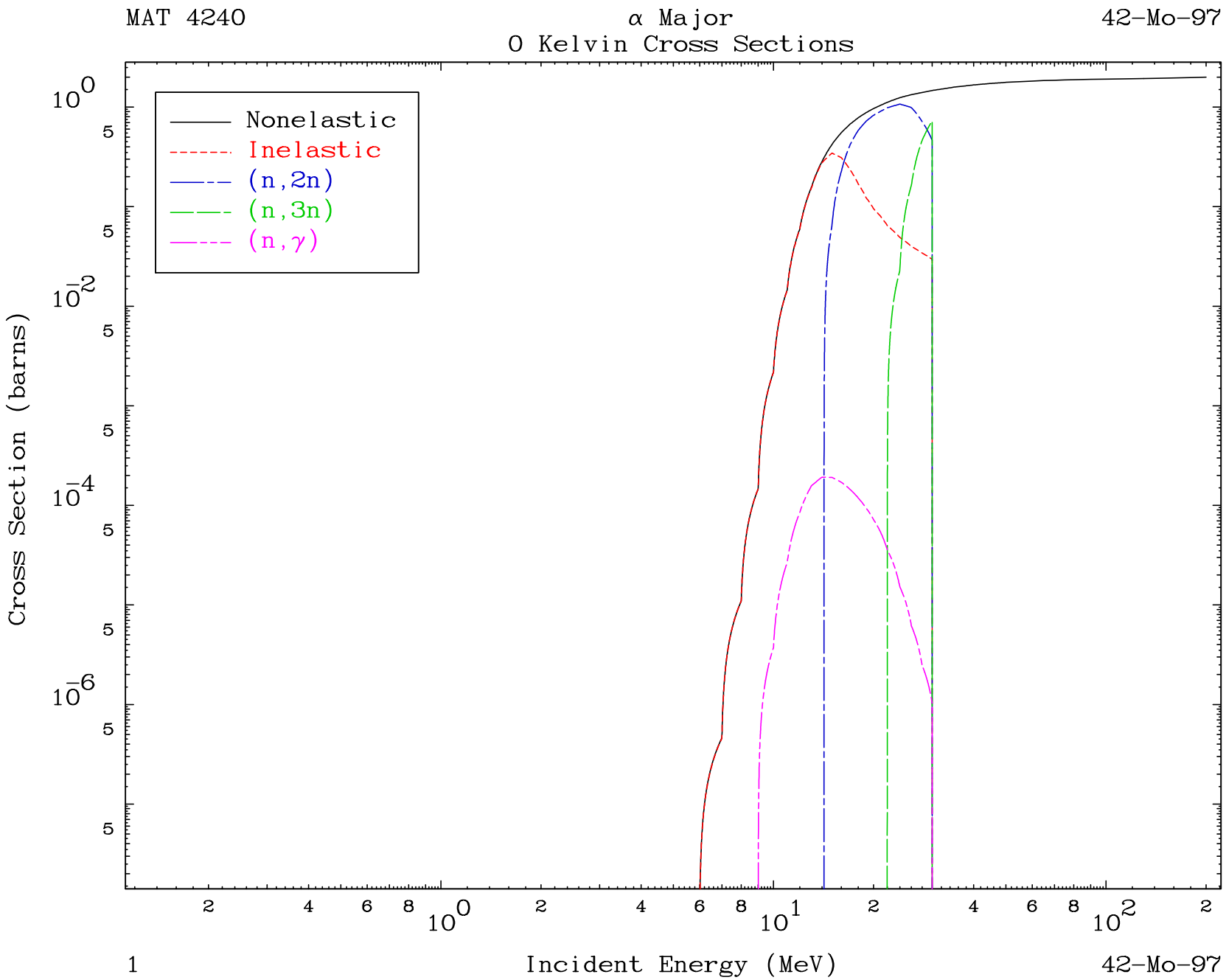
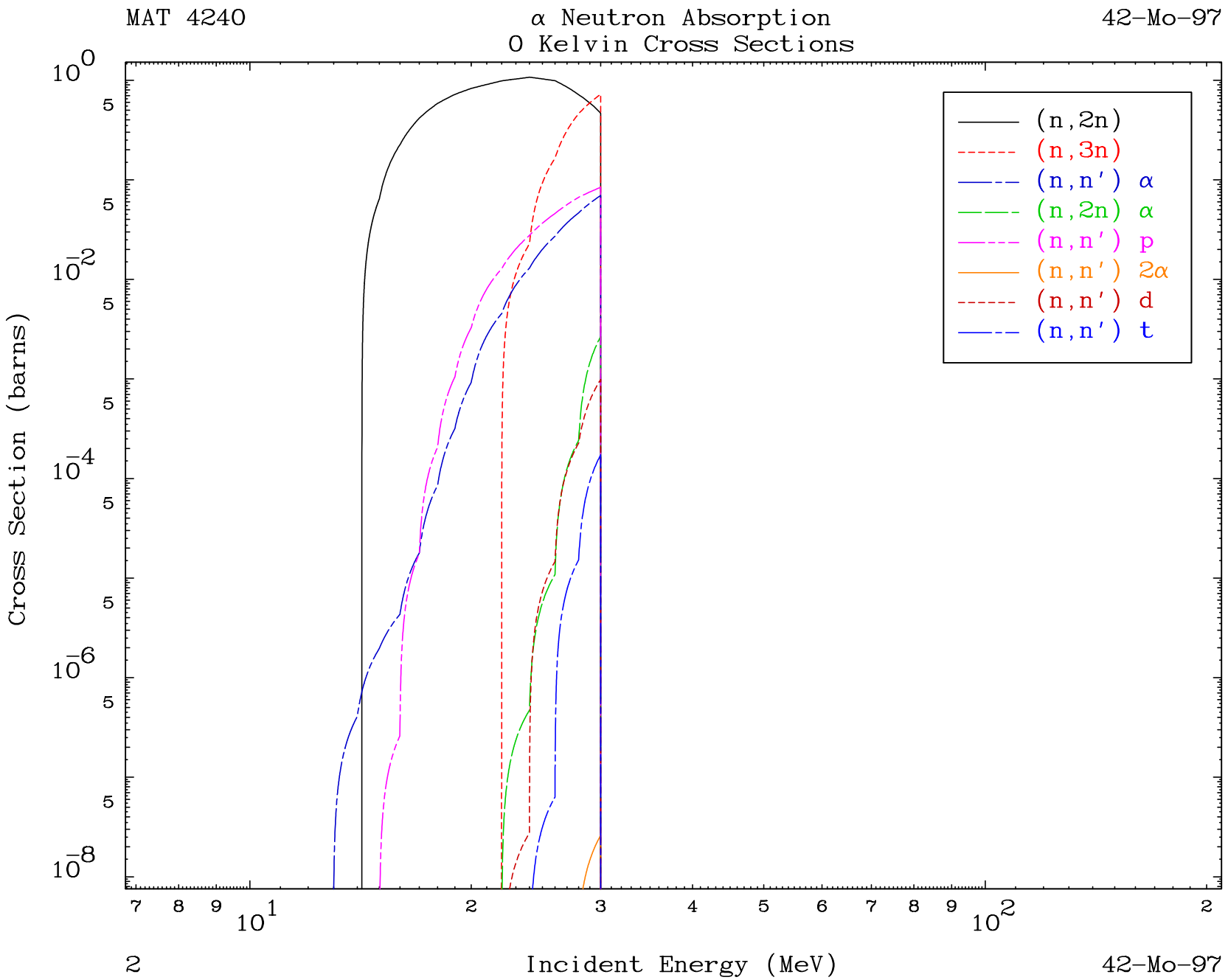
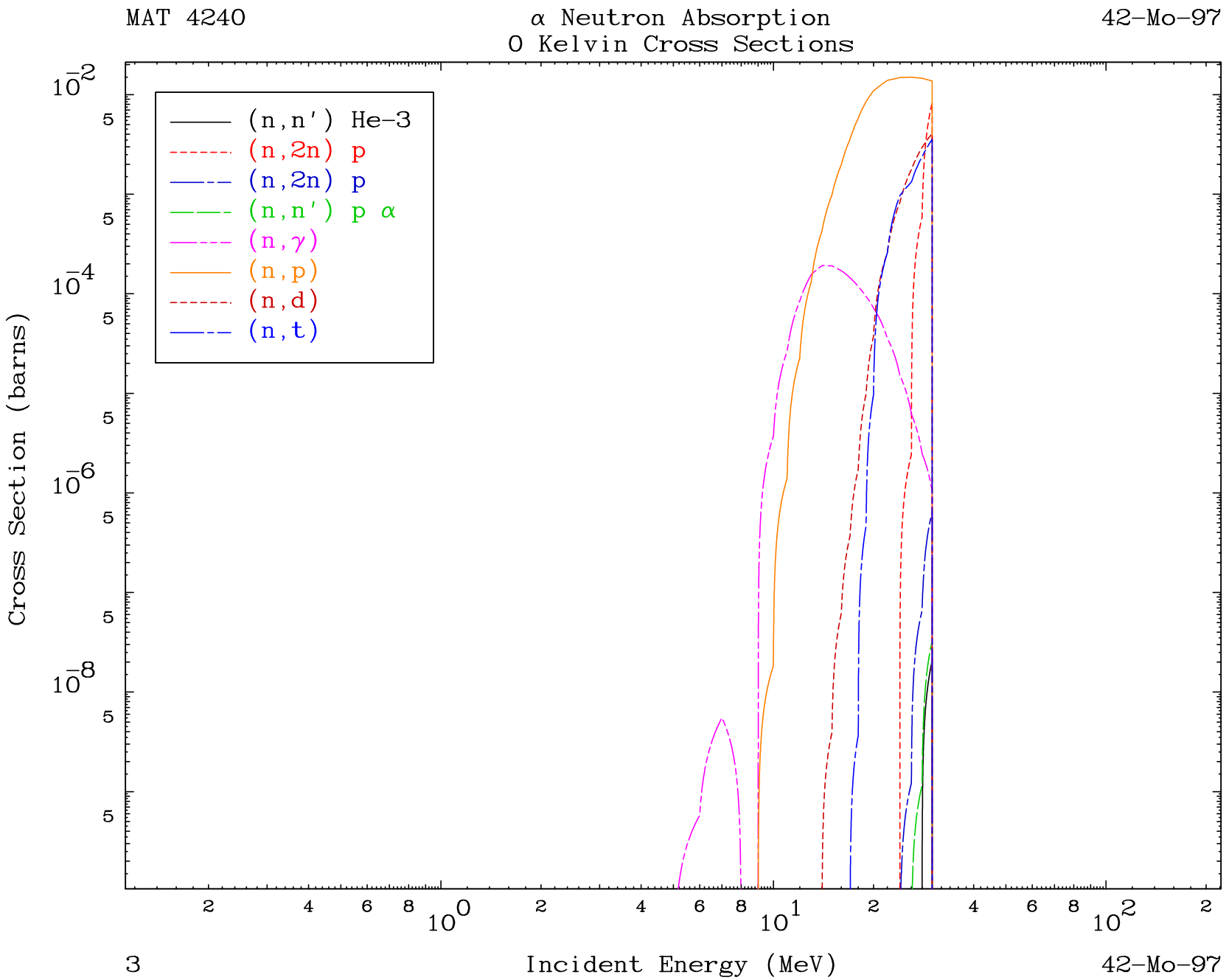
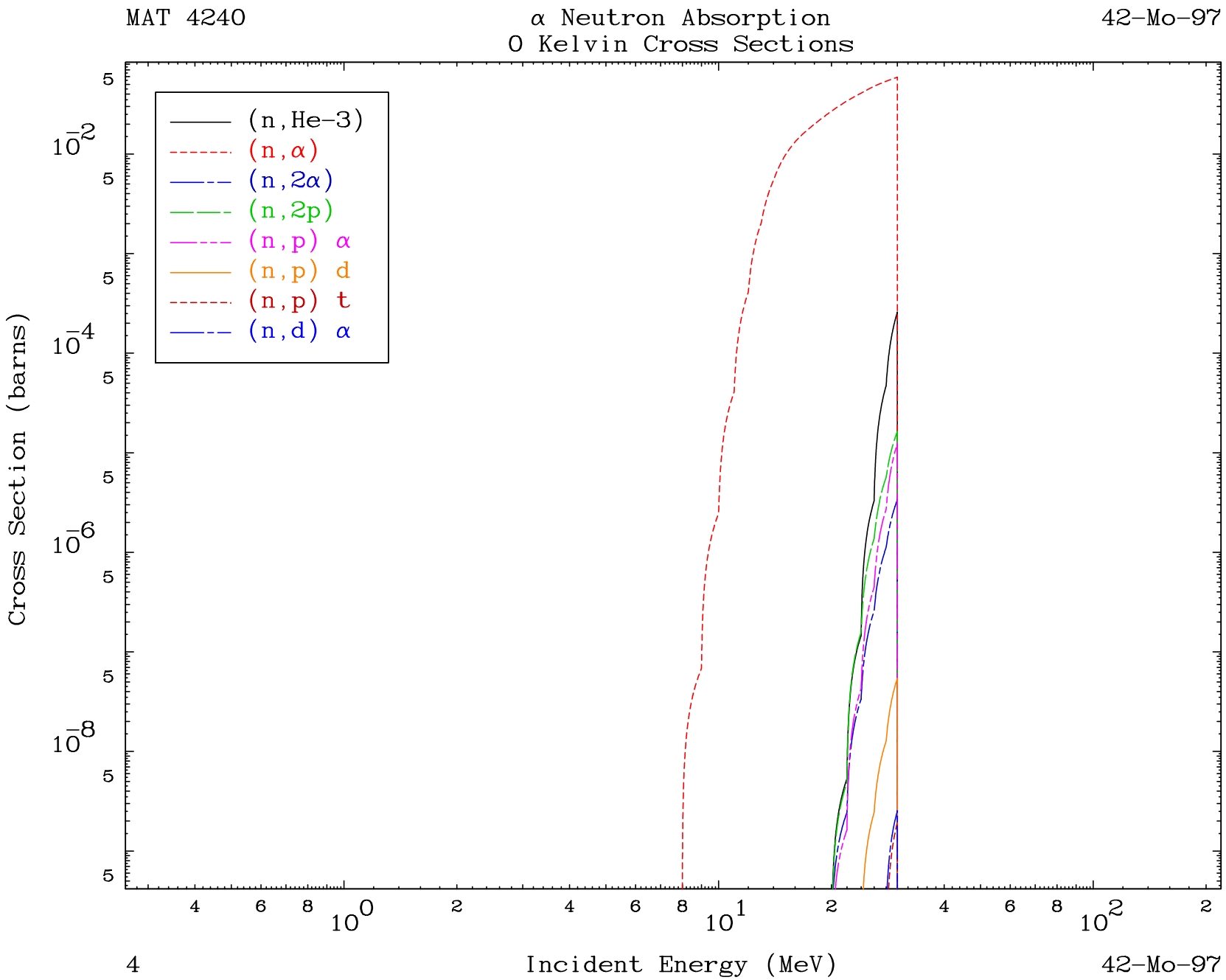
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

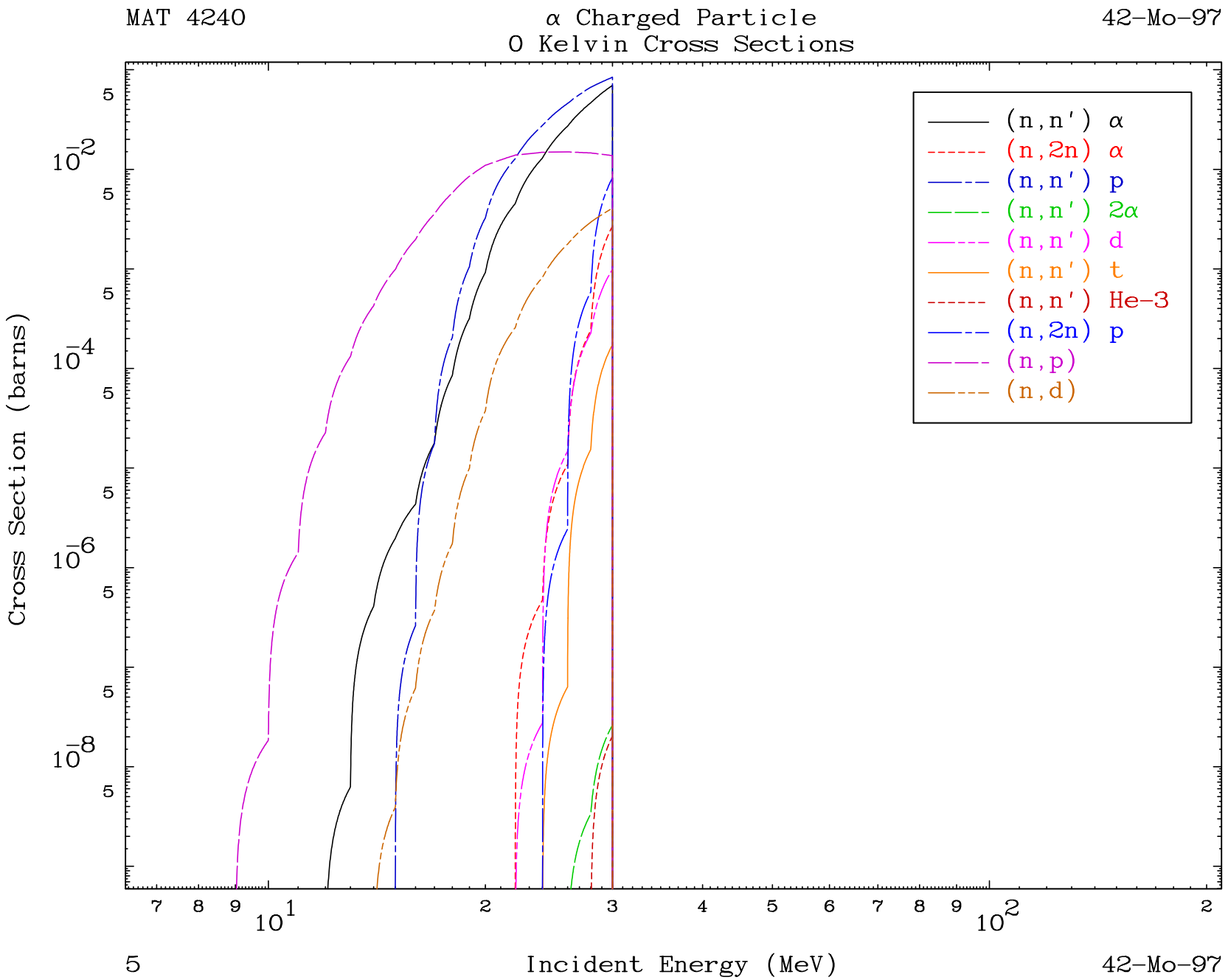
Press Mouse Button to Start

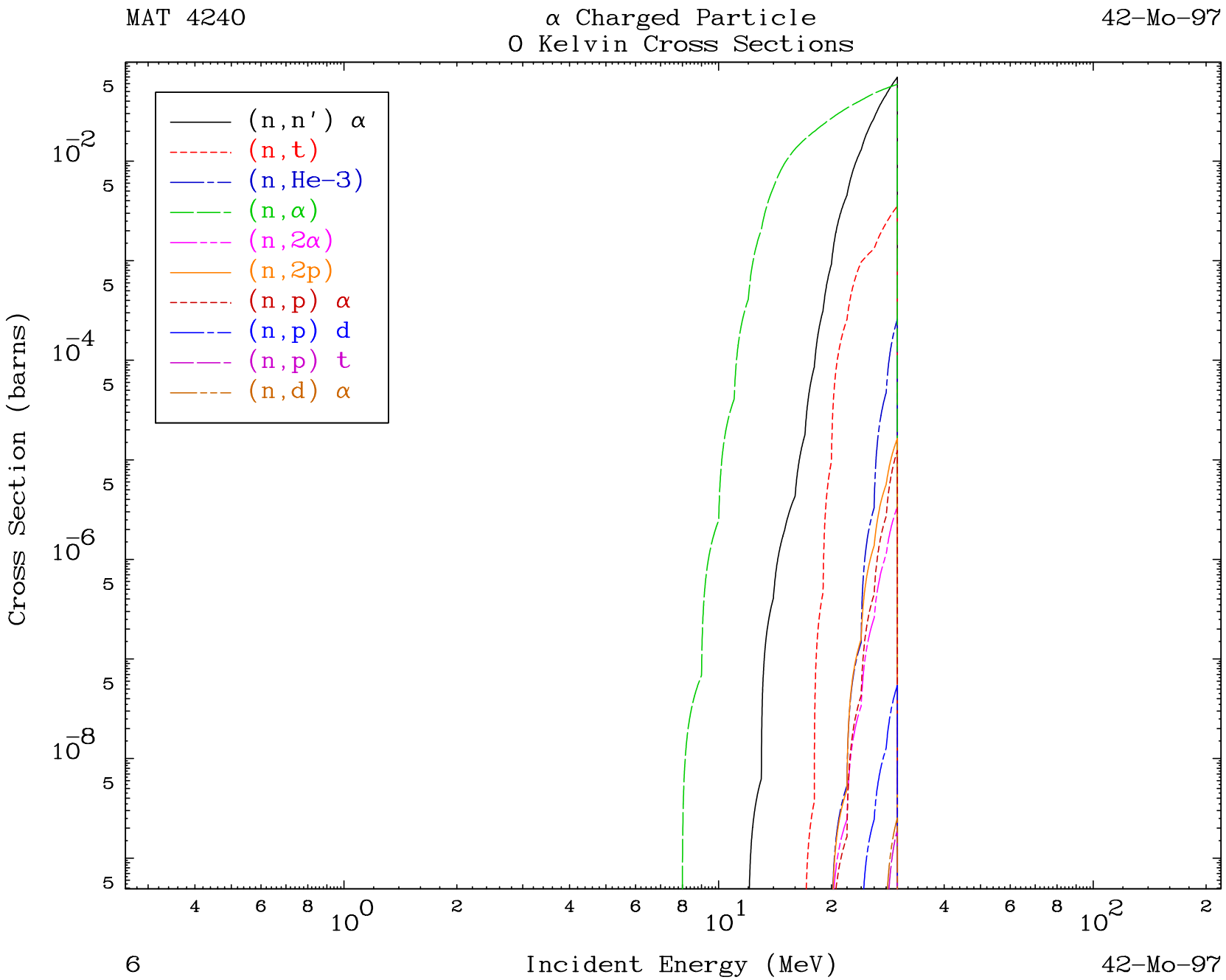

MAT 4240
α Major
42-Mo-97
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
42-Mo-97
1

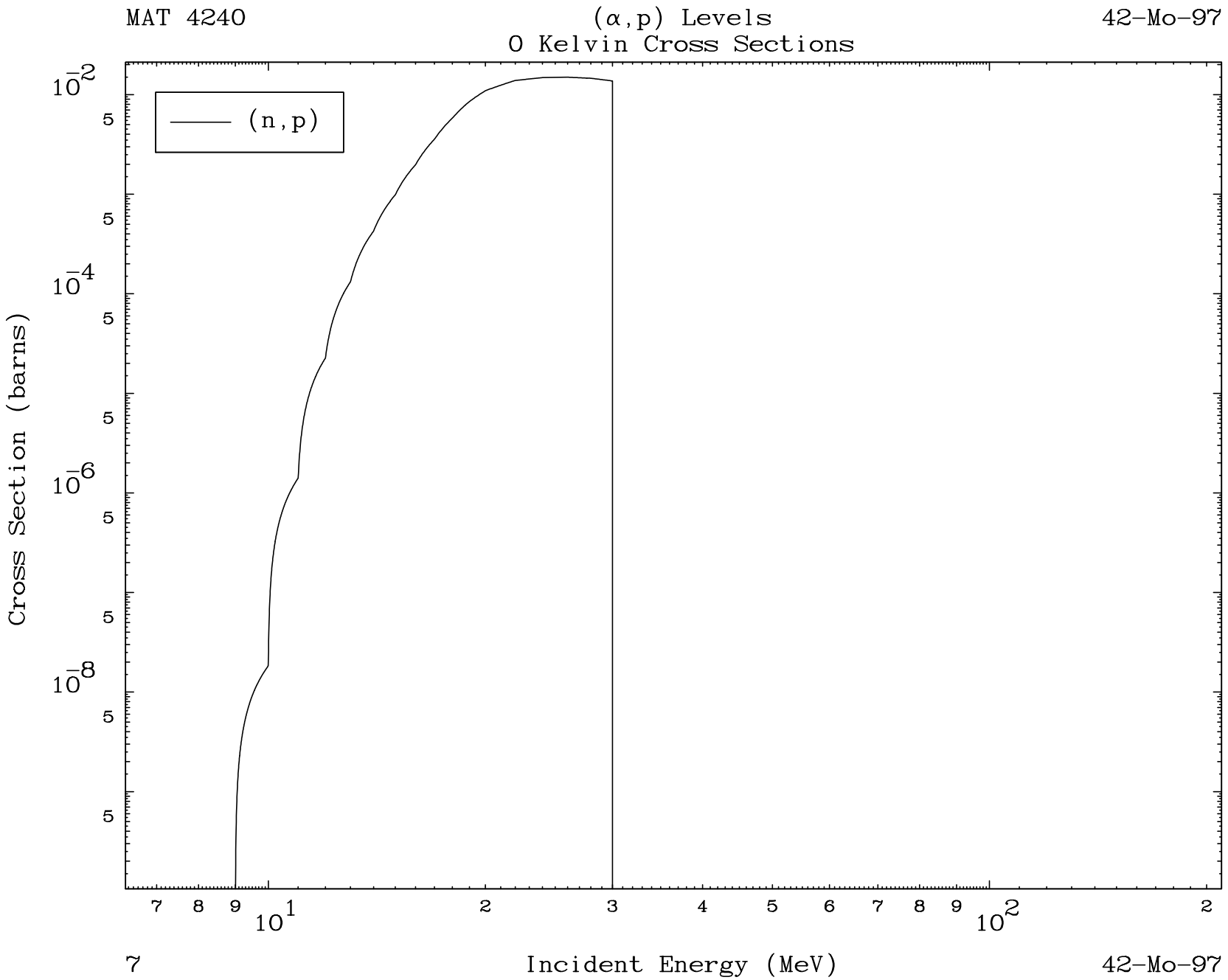

MAT 4240
α Neutron Absorption
0 Kelvin Cross Sections
42-Mo-97
Cross Section (barns)
Incident Energy (MeV)
42-Mo-97
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t

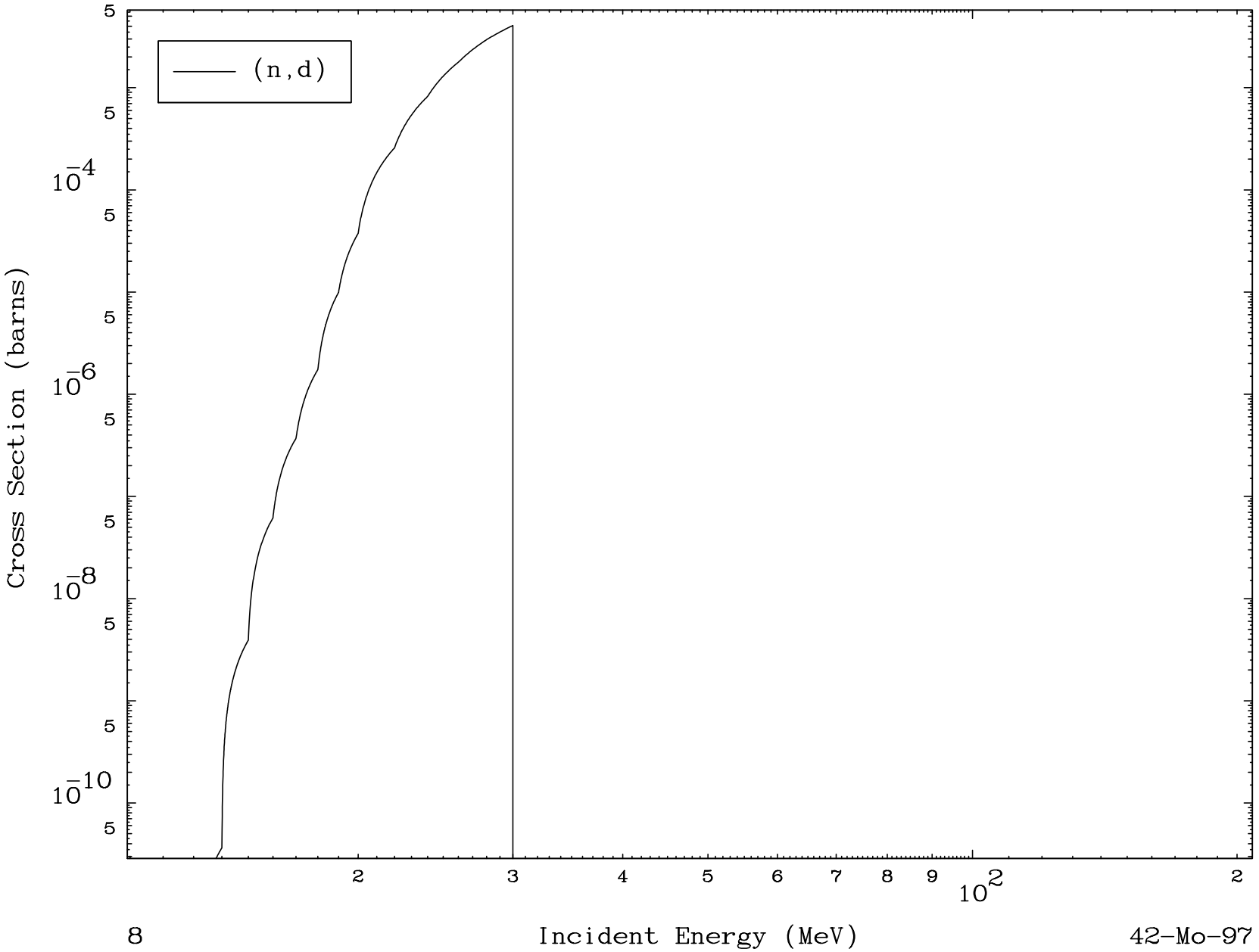

MAT 4240
α Neutron Absorption
0 Kelvin Cross Sections
42-Mo-97
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
42-Mo-97

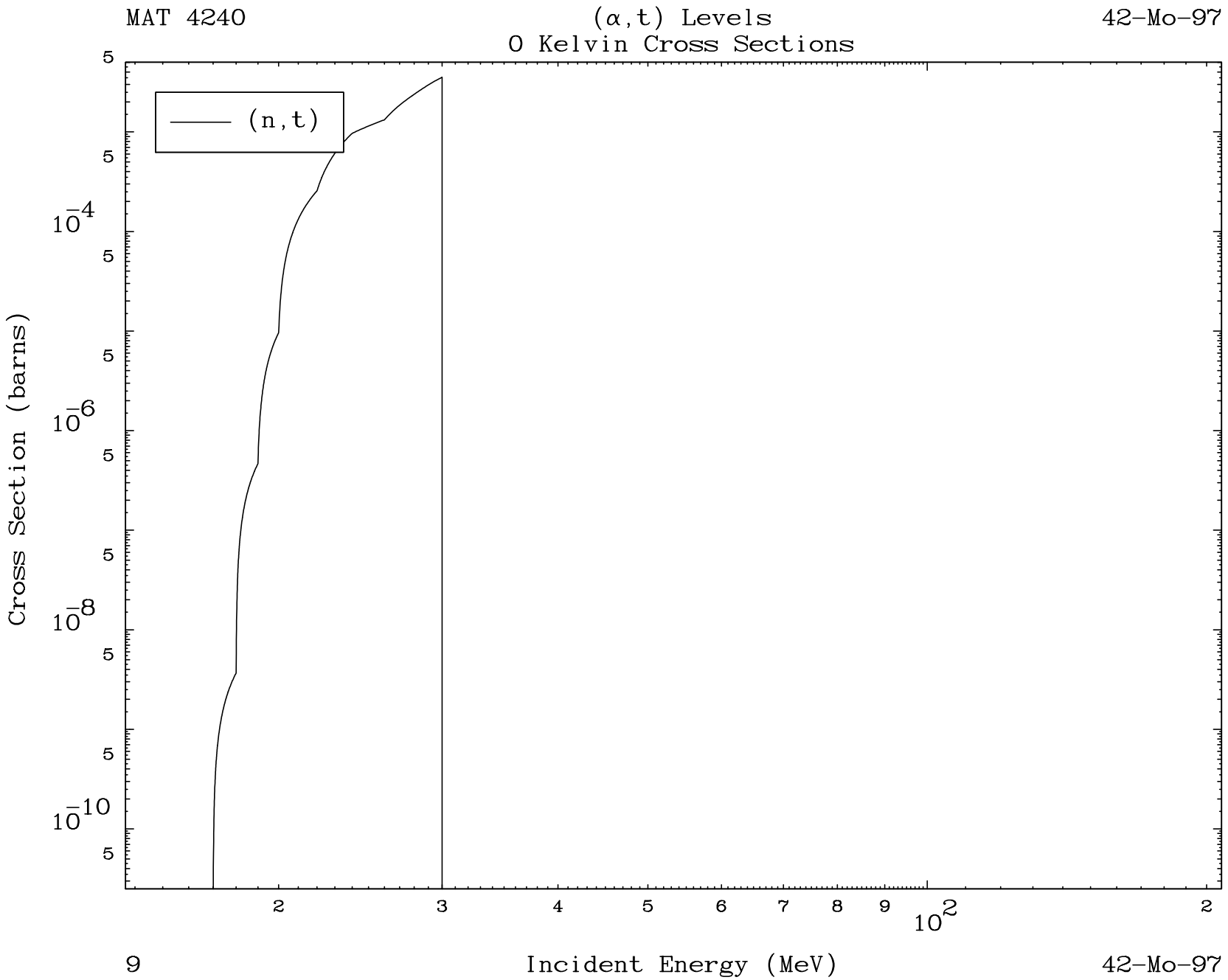

MAT 4240
α Neutron Absorption
0 Kelvin Cross Sections
42-Mo-97
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
42-Mo-97

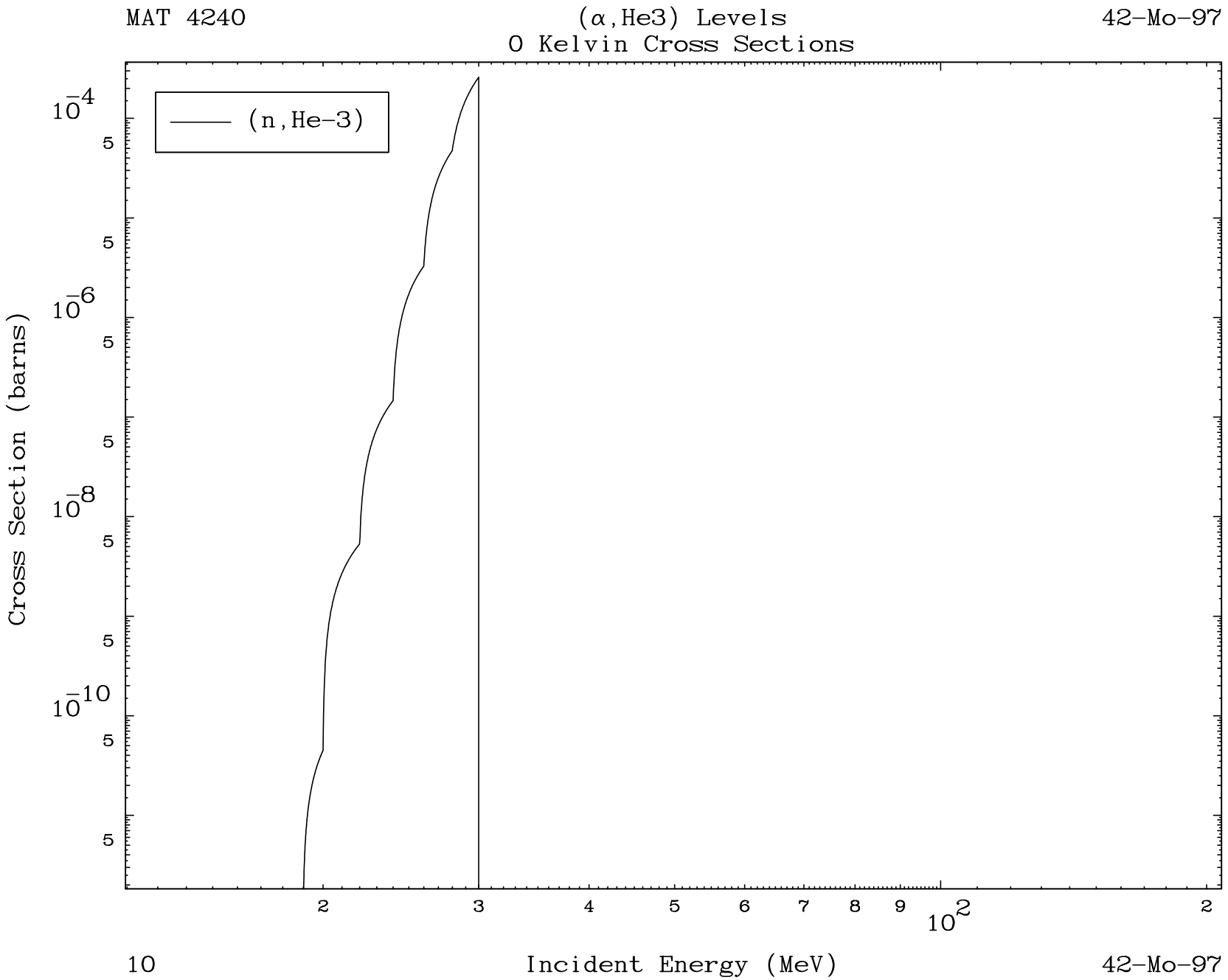

MAT 4240
α Charged Particle
0 Kelvin Cross Sections
42-Mo-97
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)

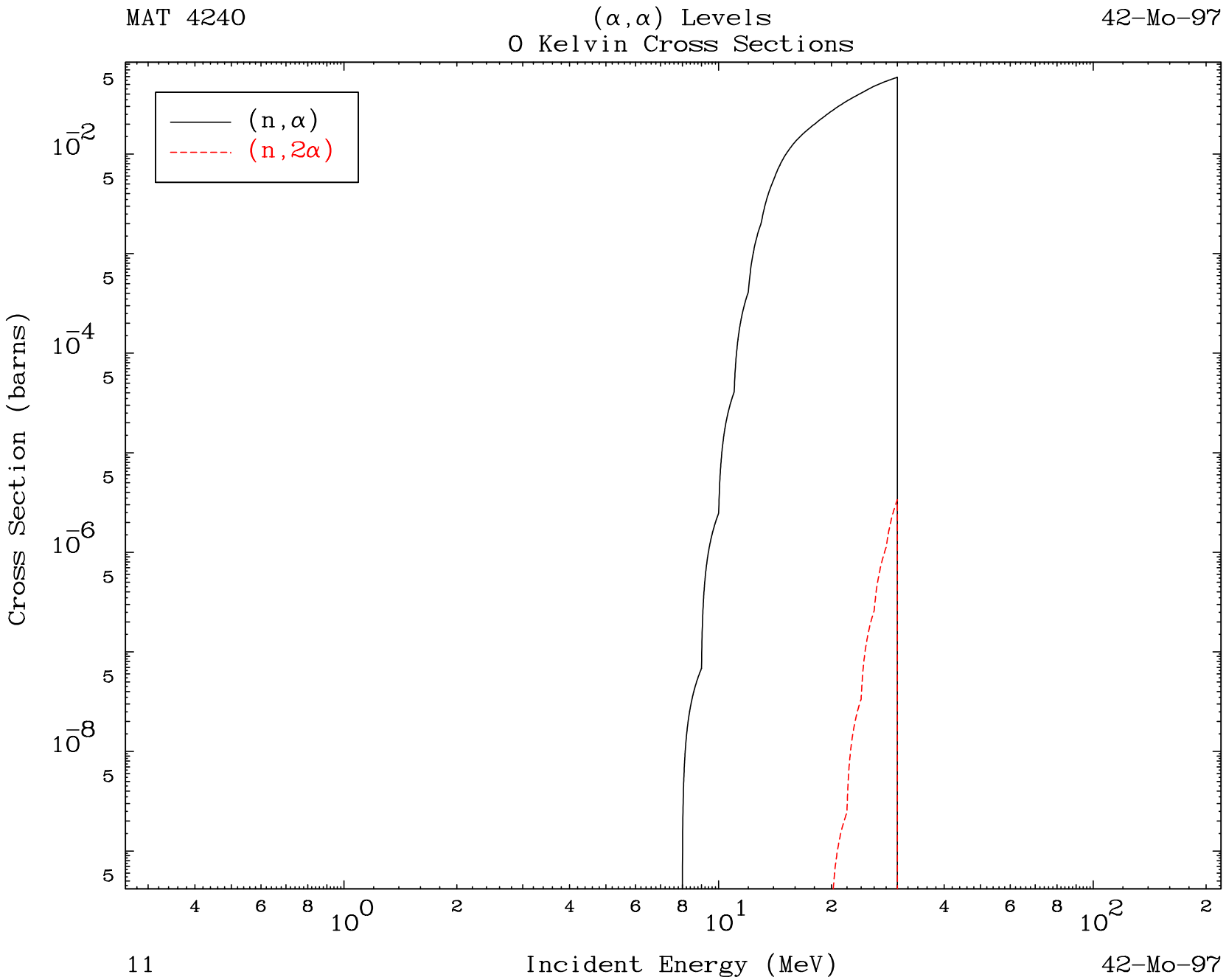

MAT 4240
α Charged Particle
0 Kelvin Cross Sections
42-Mo-97
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
42-Mo-97

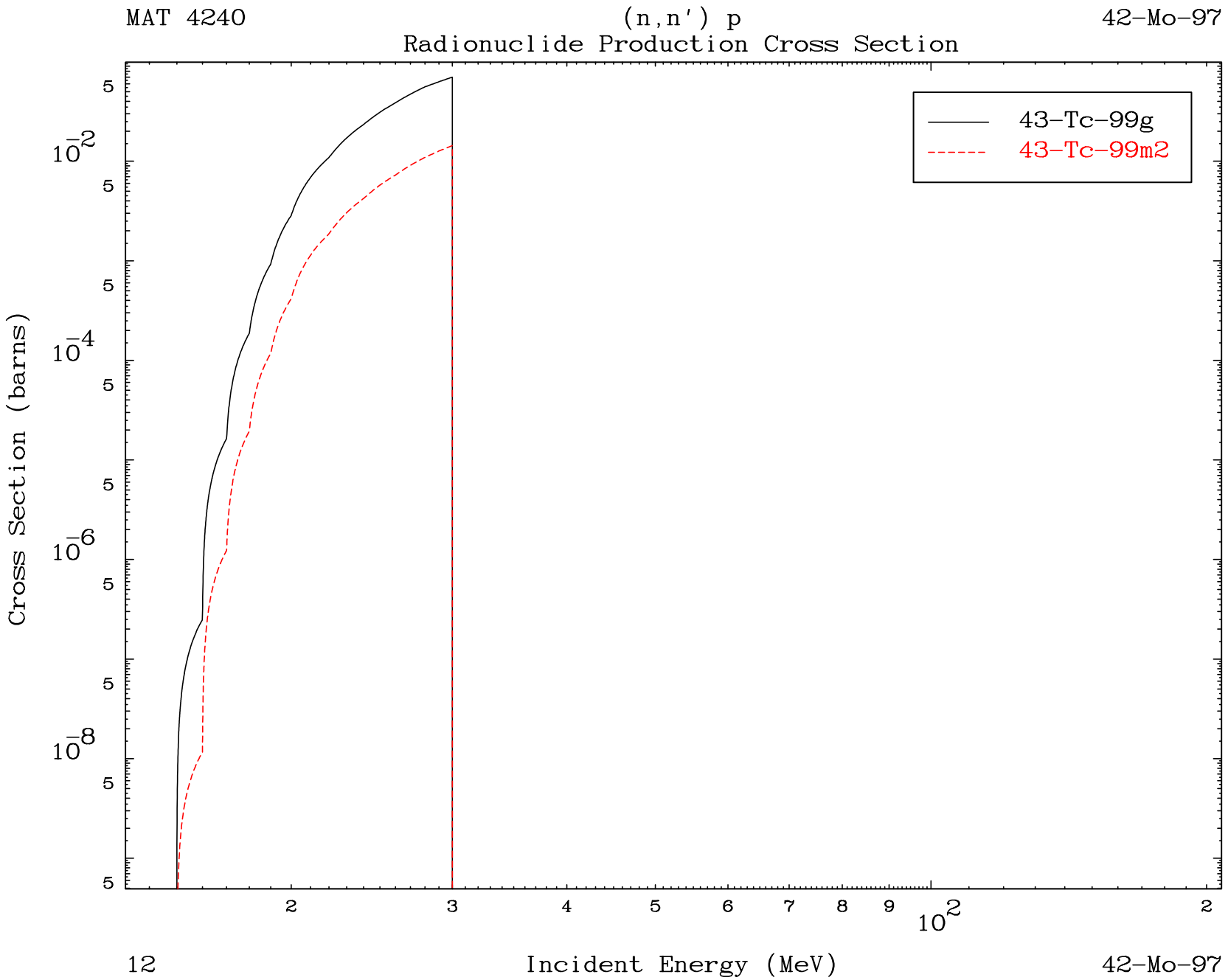

MAT 4240
(α,p) Levels
42-Mo-97
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
42-Mo-97

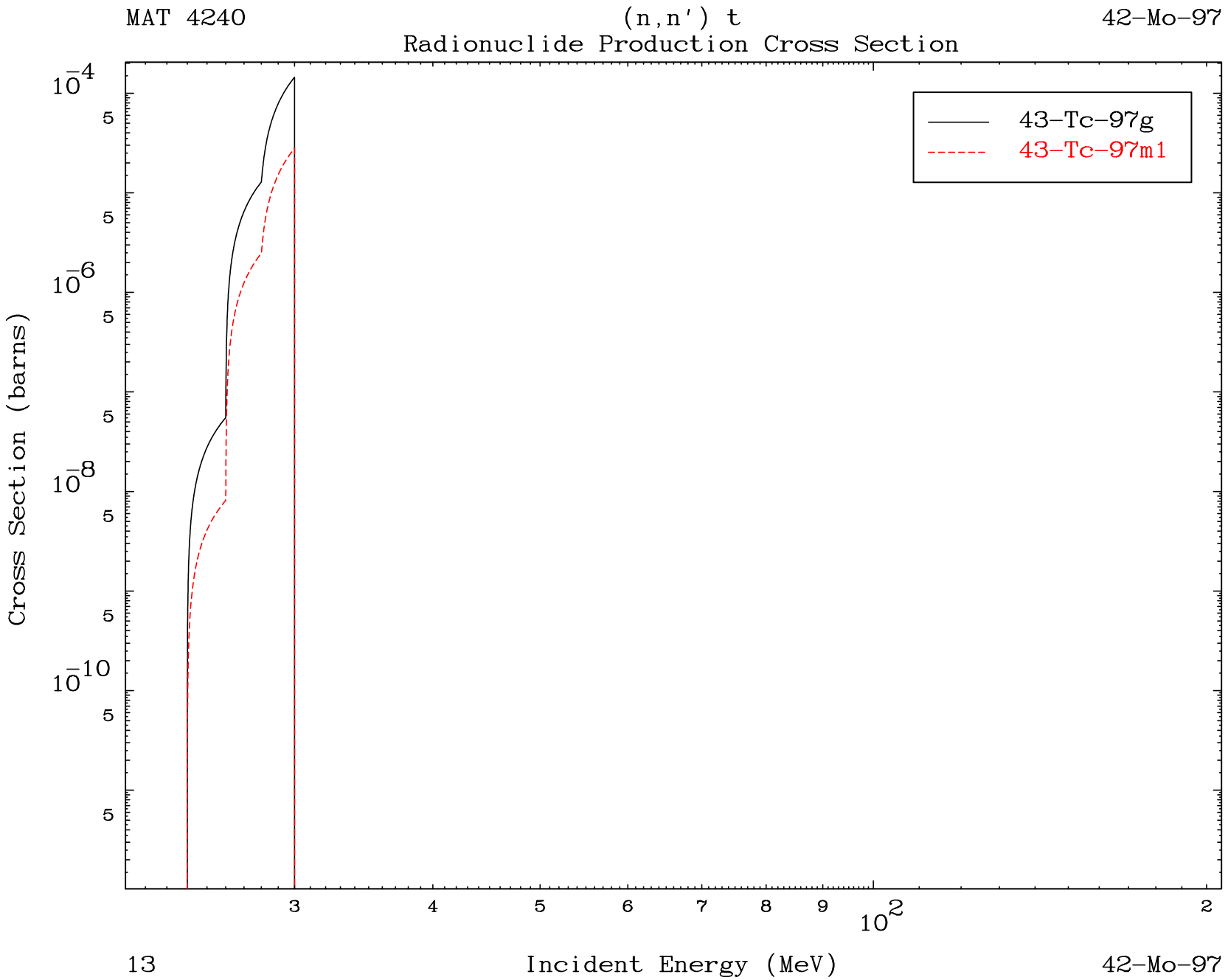

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

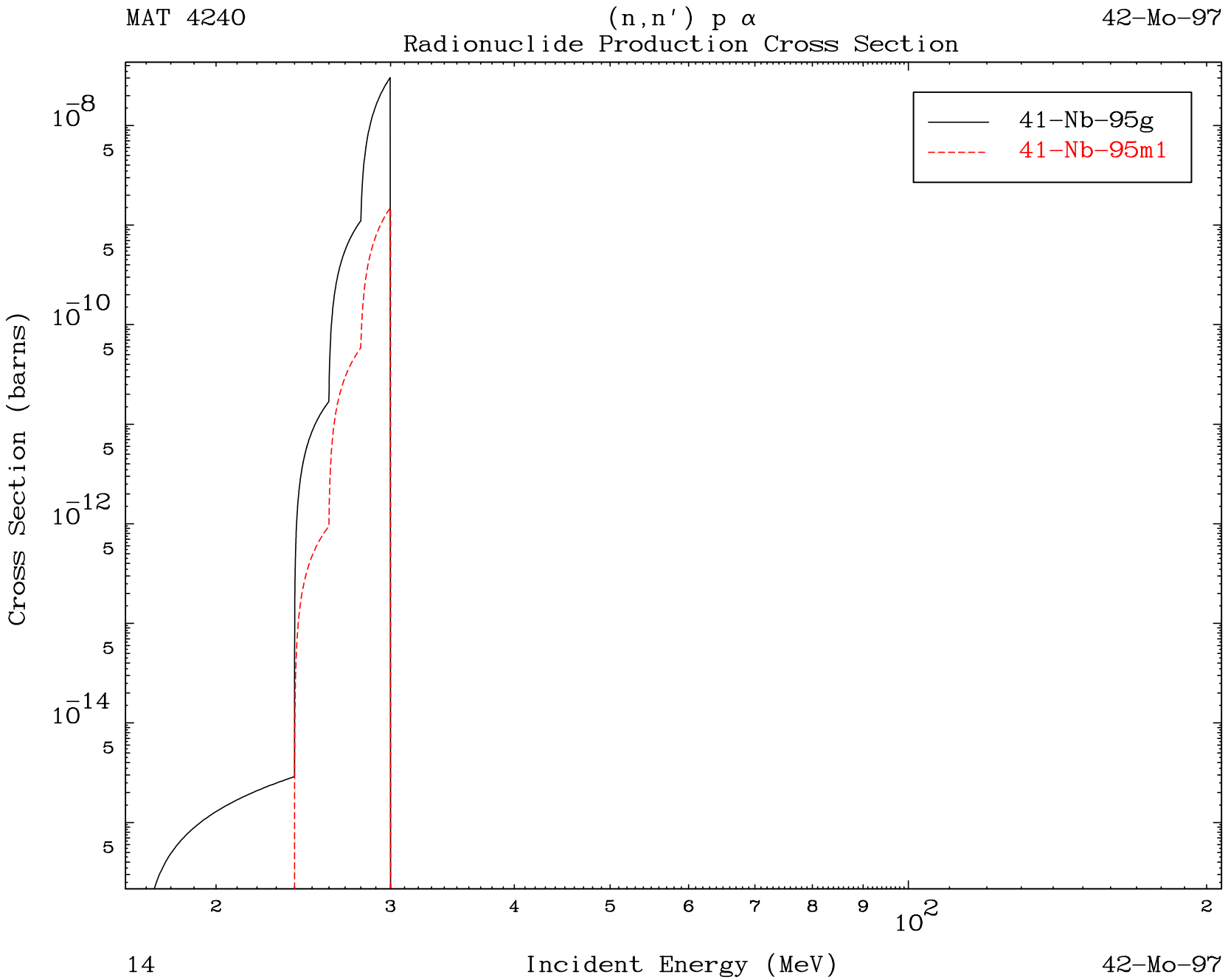

MAT 4240
(α,t) Levels
42-Mo-97
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
9
42-Mo-97

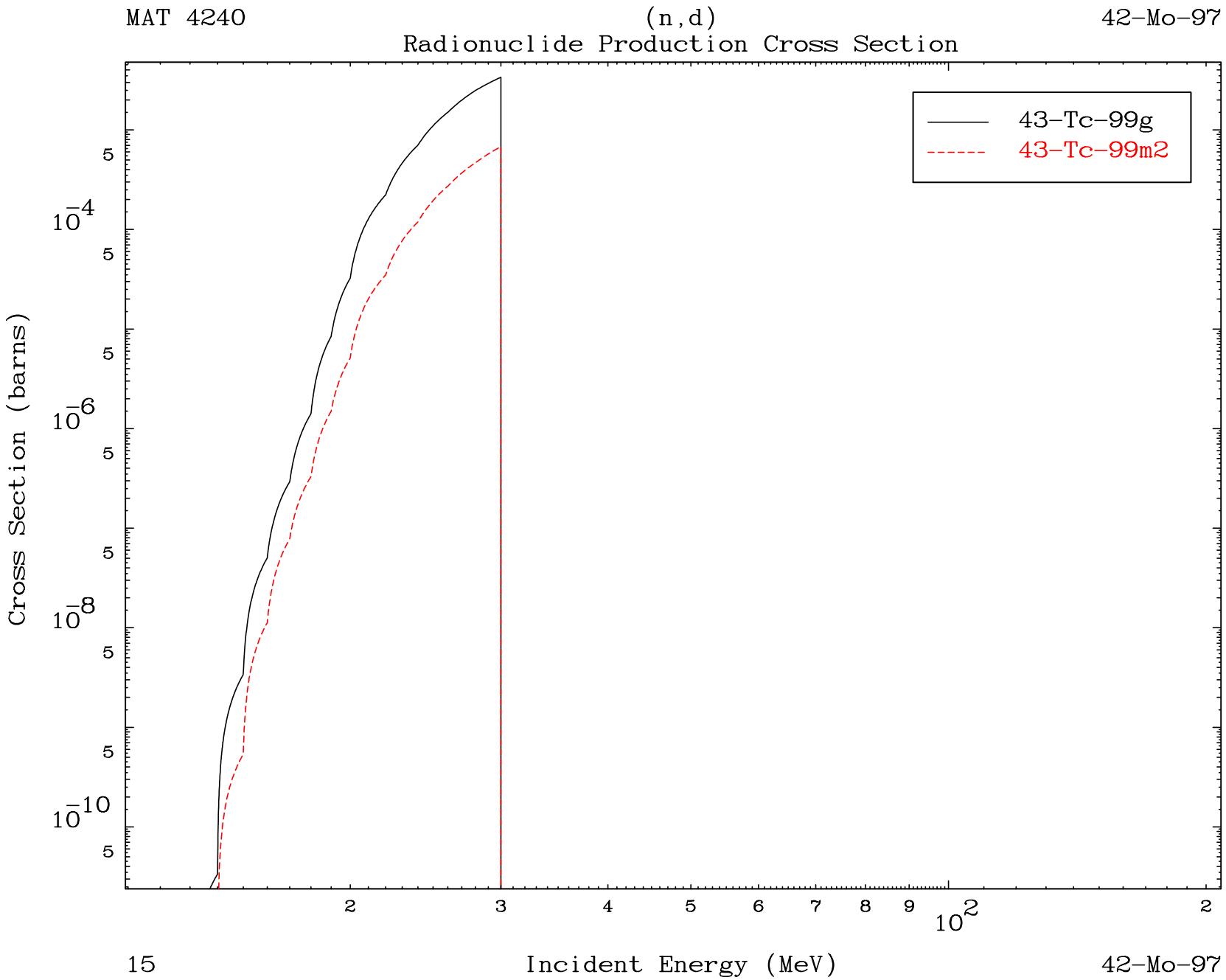

MAT 4240
(α,He3) Levels
42-Mo-97
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^2
42-Mo-97

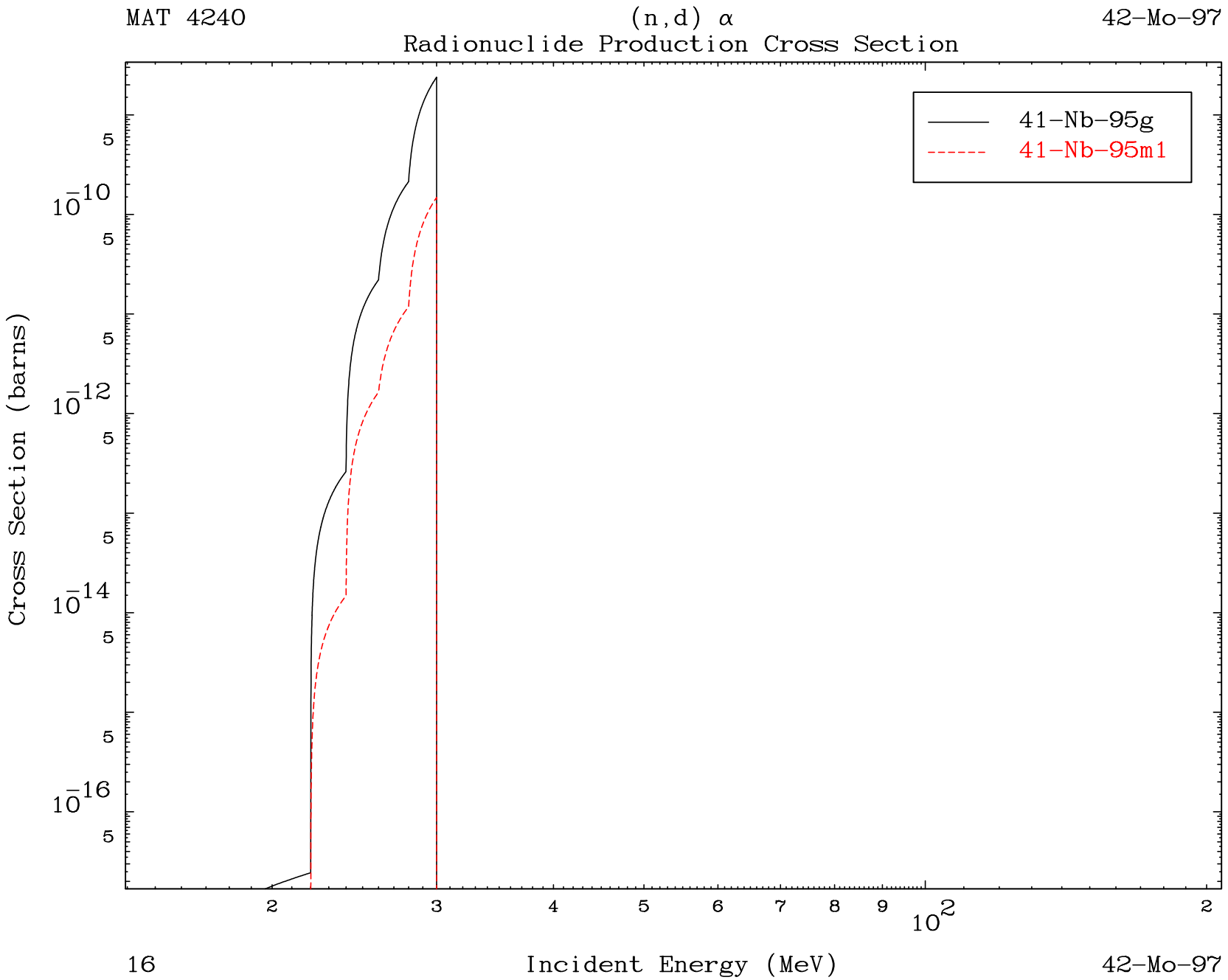

MAT 4240
(α,α) Levels
42-Mo-97
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
42-Mo-97


MAT 4240
(n,n') p
42-Mo-97
Radionuclide Production Cross Section
43-Tc-99g
43-Tc-99m2
Cross Section (barns)
Incident Energy (MeV)
12
42-Mo-97


MAT 4240
(n,n') t
42-Mo-97
Radionuclide Production Cross Section
43-Tc-97g
43-Tc-97m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
13
42-Mo-97


MAT 4240
(n,n') p α
42-Mo-97
Radionuclide Production Cross Section
41-Nb-95g
41-Nb-95m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
42-Mo-97


MAT 4240
(n,d)
42-Mo-97
Radionuclide Production Cross Section
43-Tc-99g
43-Tc-99m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
42-Mo-97


MAT 4240
(n,d) α
42-Mo-97
Radionuclide Production Cross Section
41-Nb-95g
41-Nb-95m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
42-Mo-97