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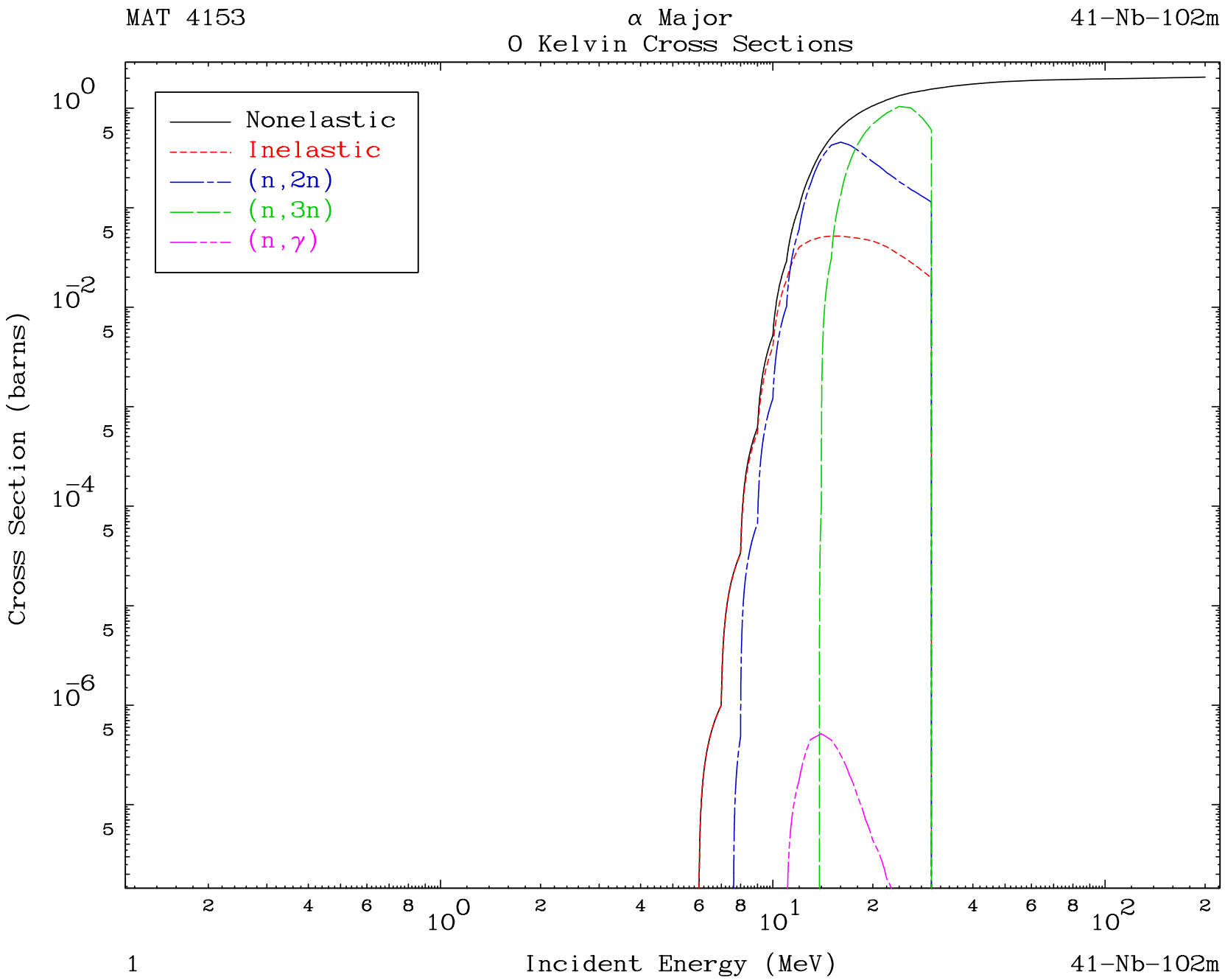
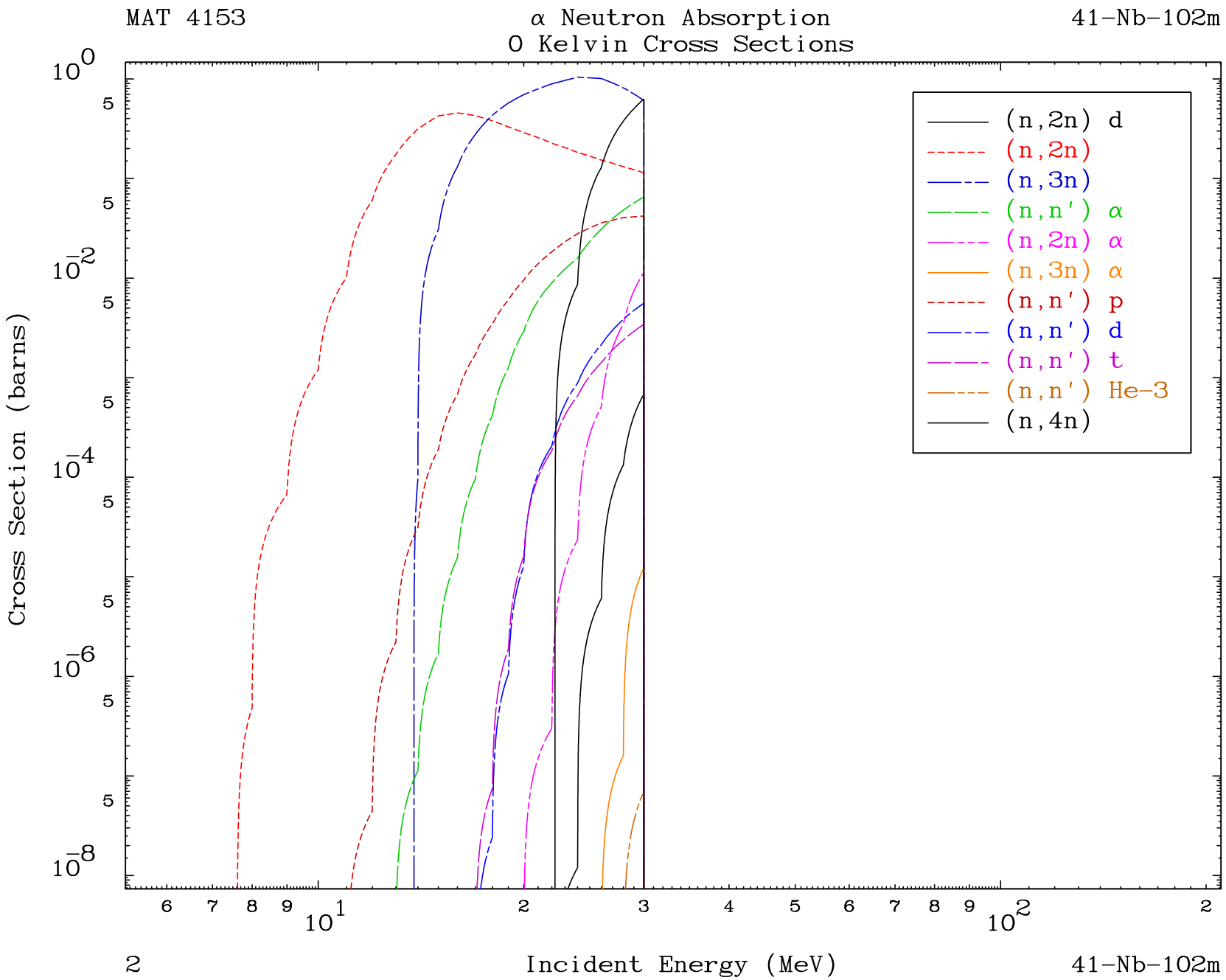
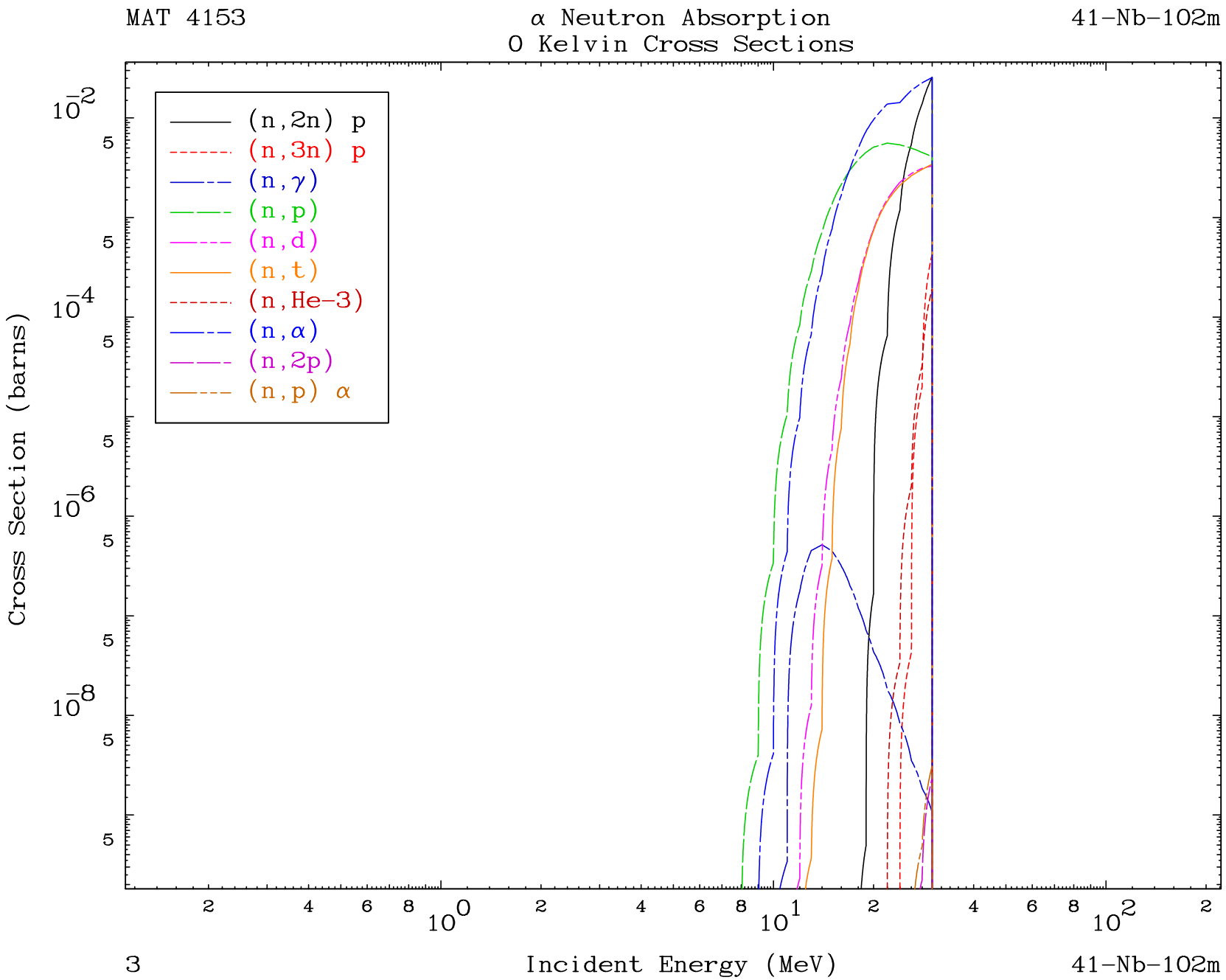
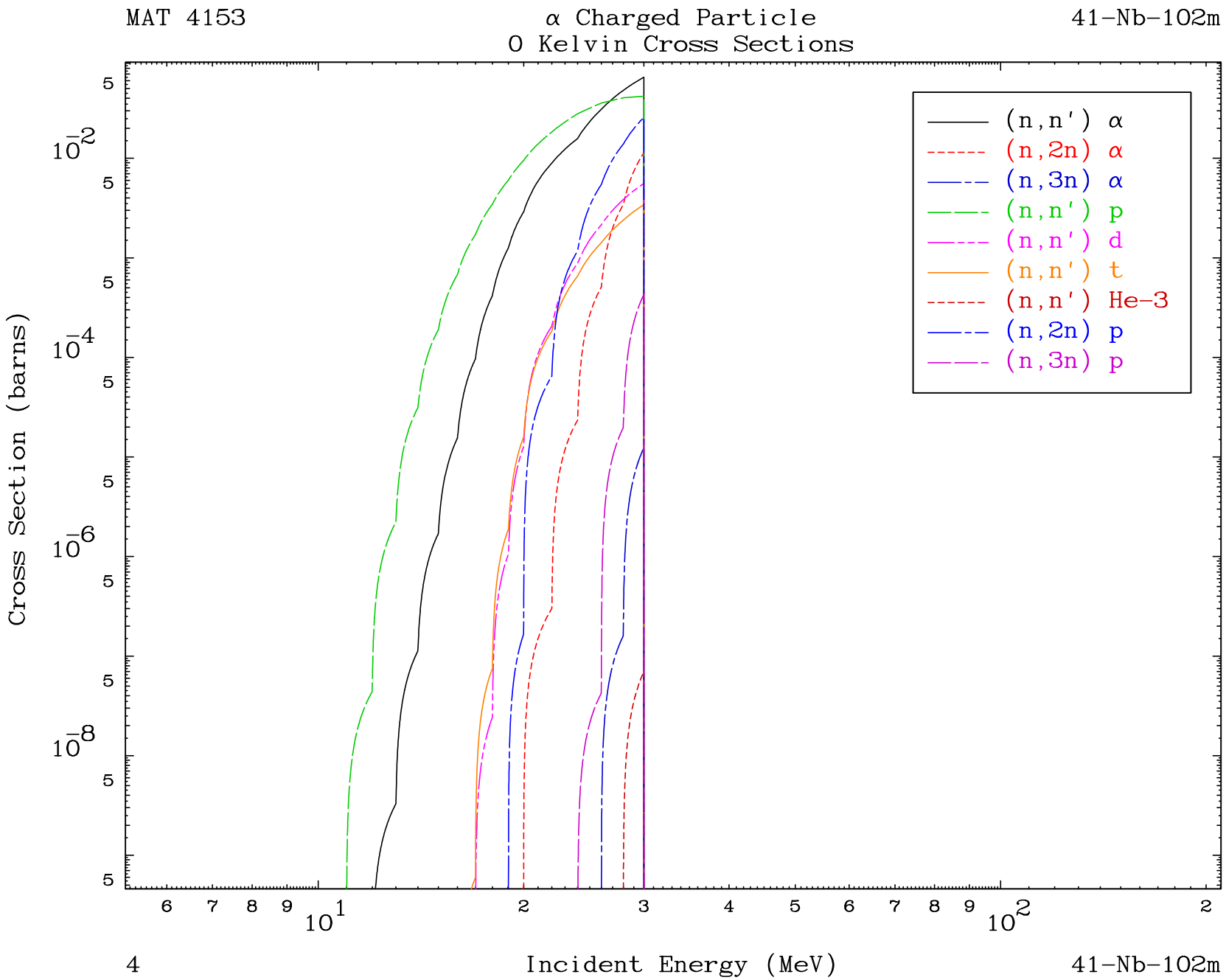
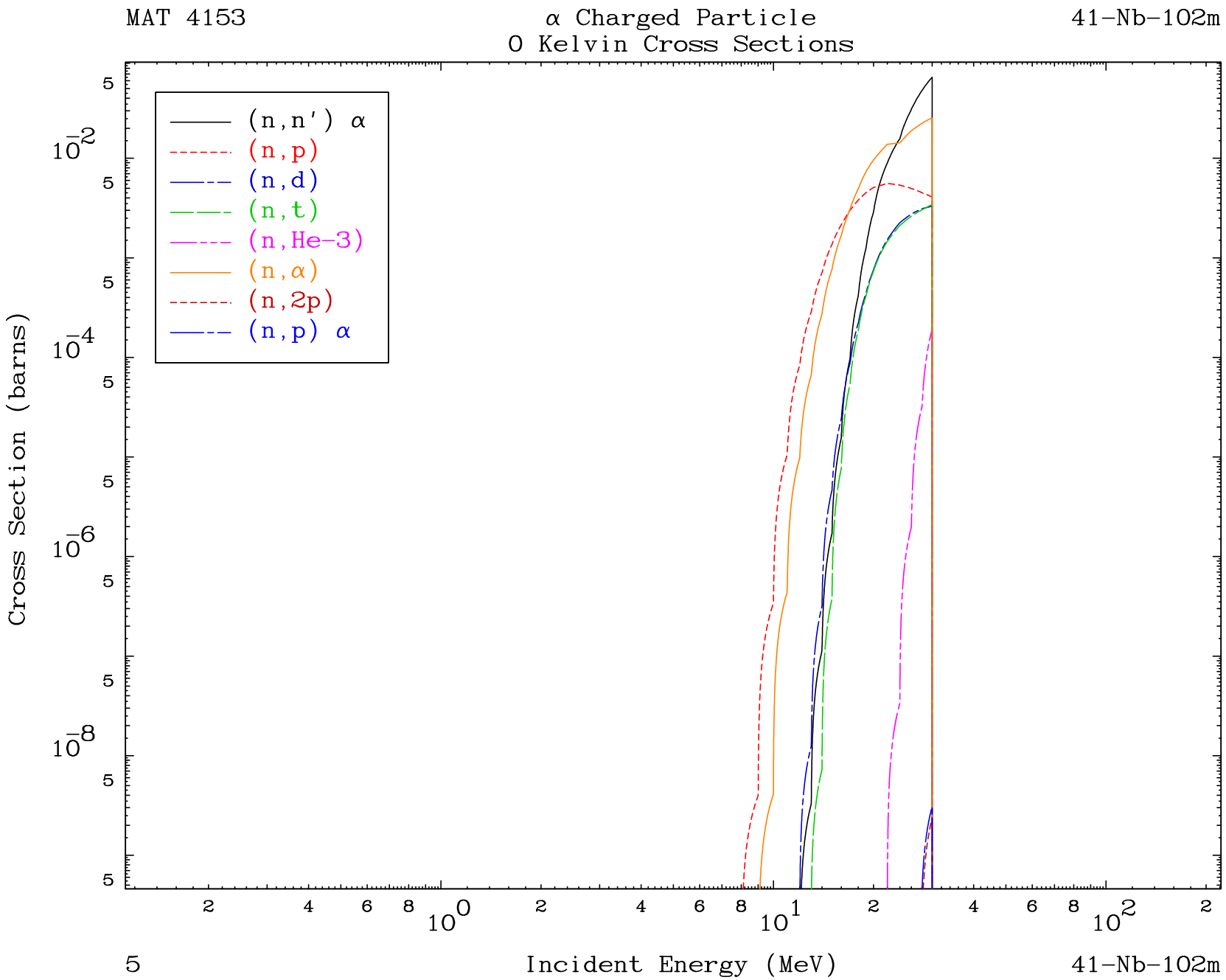
Press Mouse Button to Start

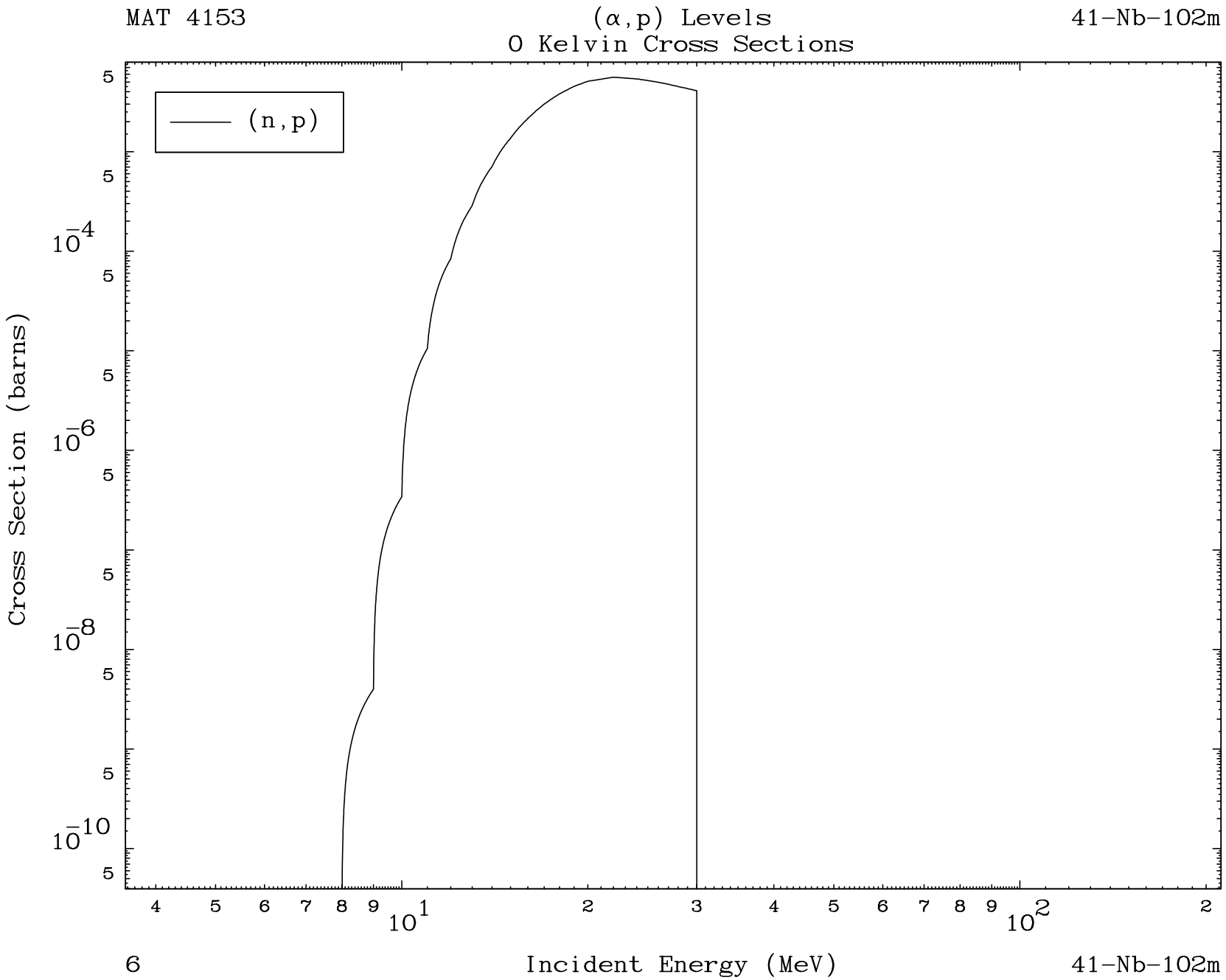

MAT 4153
α Major
41-Nb-102m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
41-Nb-102m

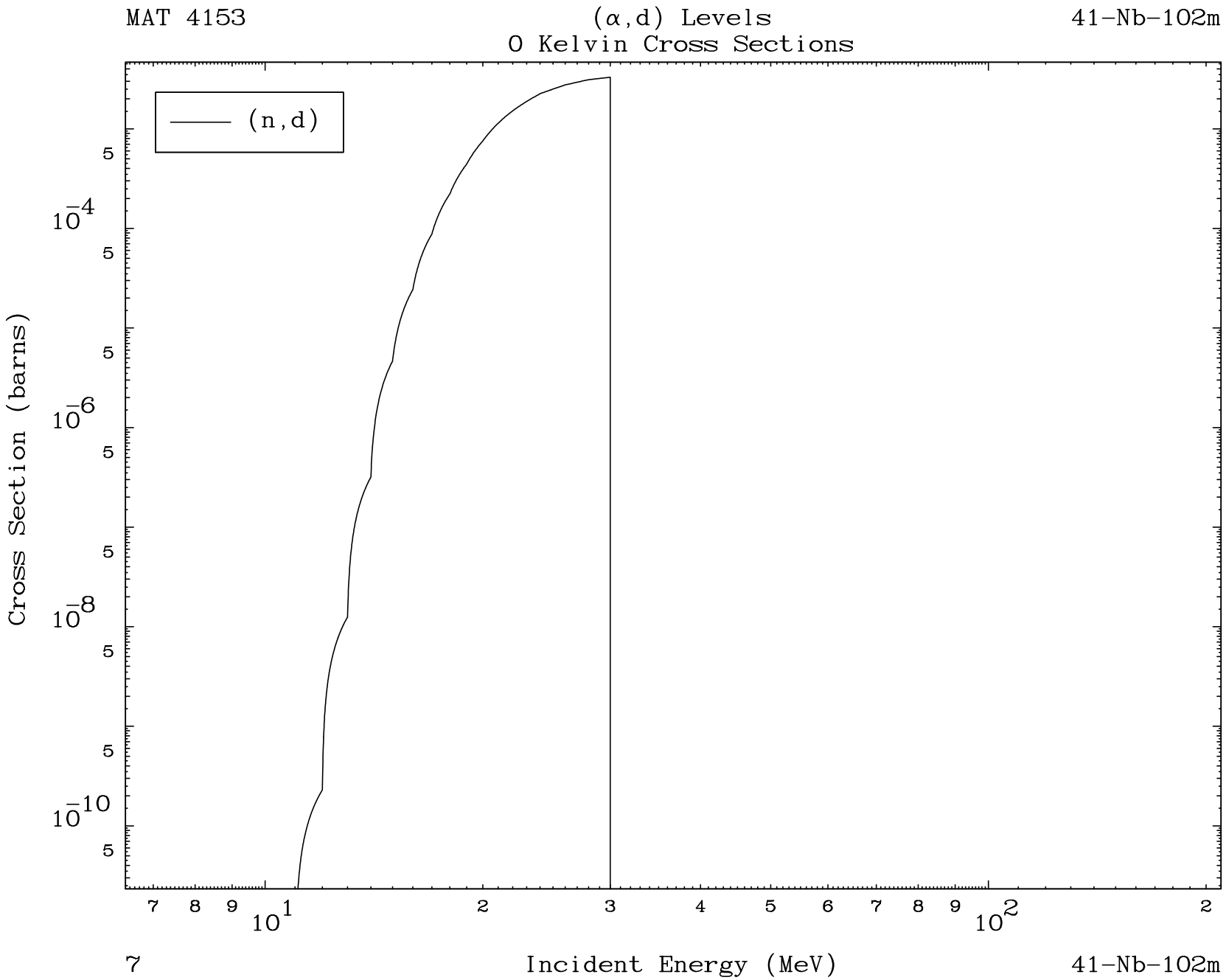

MAT 4153
α Neutron Absorption
0 Kelvin Cross Sections
41-Nb-102m
Cross Section (barns)
Incident Energy (MeV)
41-Nb-102m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)

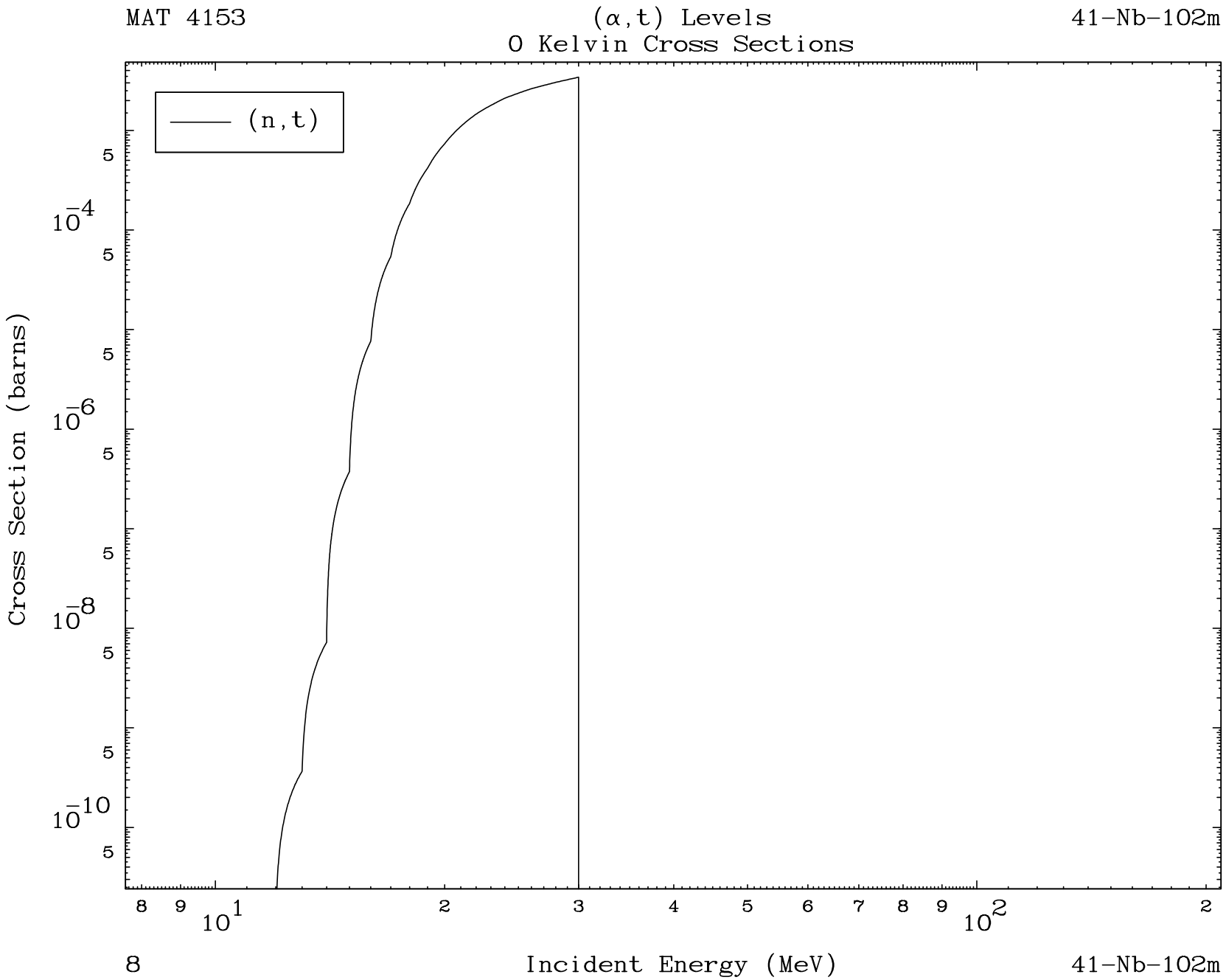

MAT 4153
α Neutron Absorption
0 Kelvin Cross Sections
41-Nb-102m
(n,2n) p
(n,3n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
3
41-Nb-102m

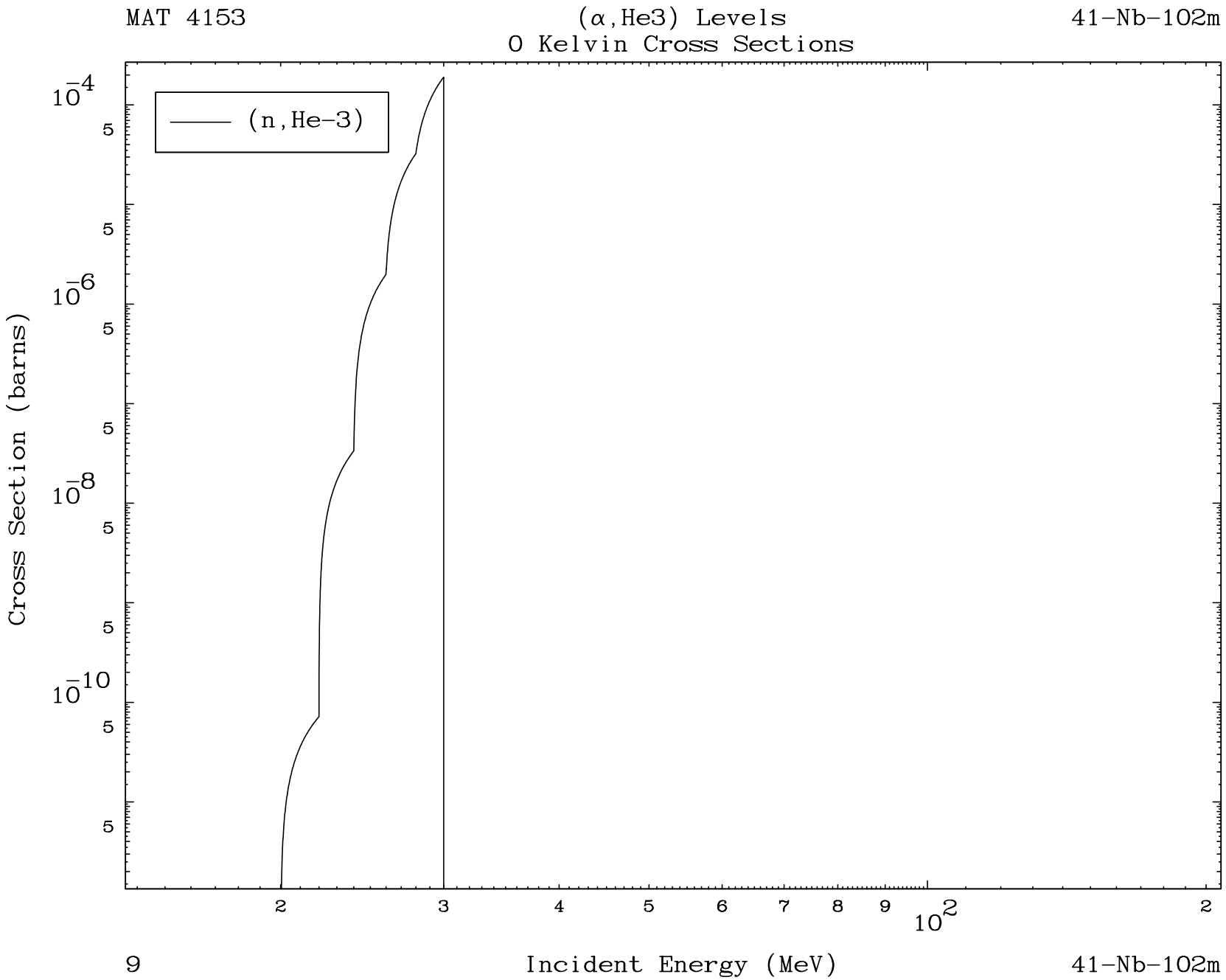

MAT 4153
α Charged Particle
0 Kelvin Cross Sections
41-Nb-102m
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
4
41-Nb-102m

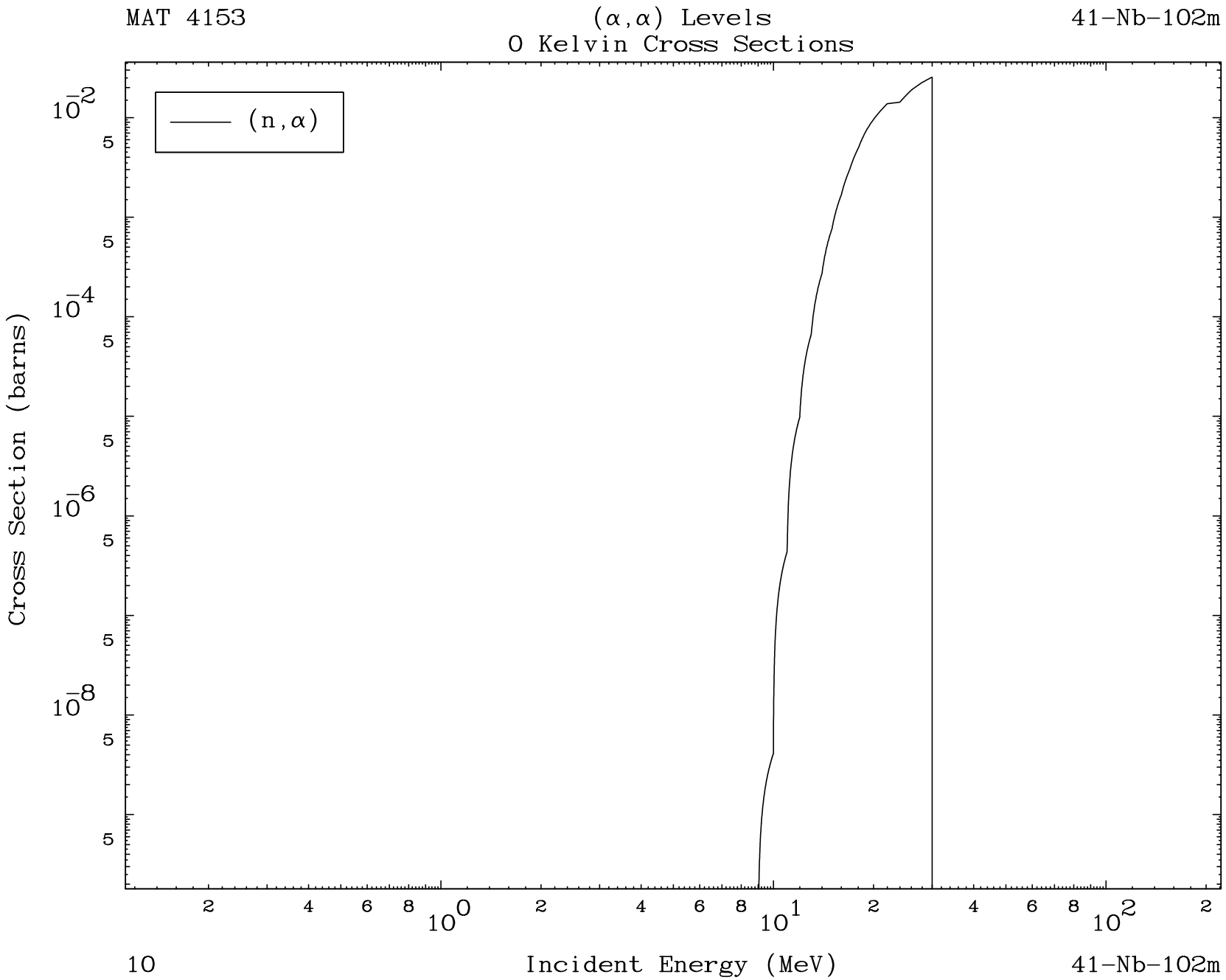

MAT 4153
α Charged Particle
0 Kelvin Cross Sections
41-Nb-102m
(n,n') α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
41-Nb-102m
5

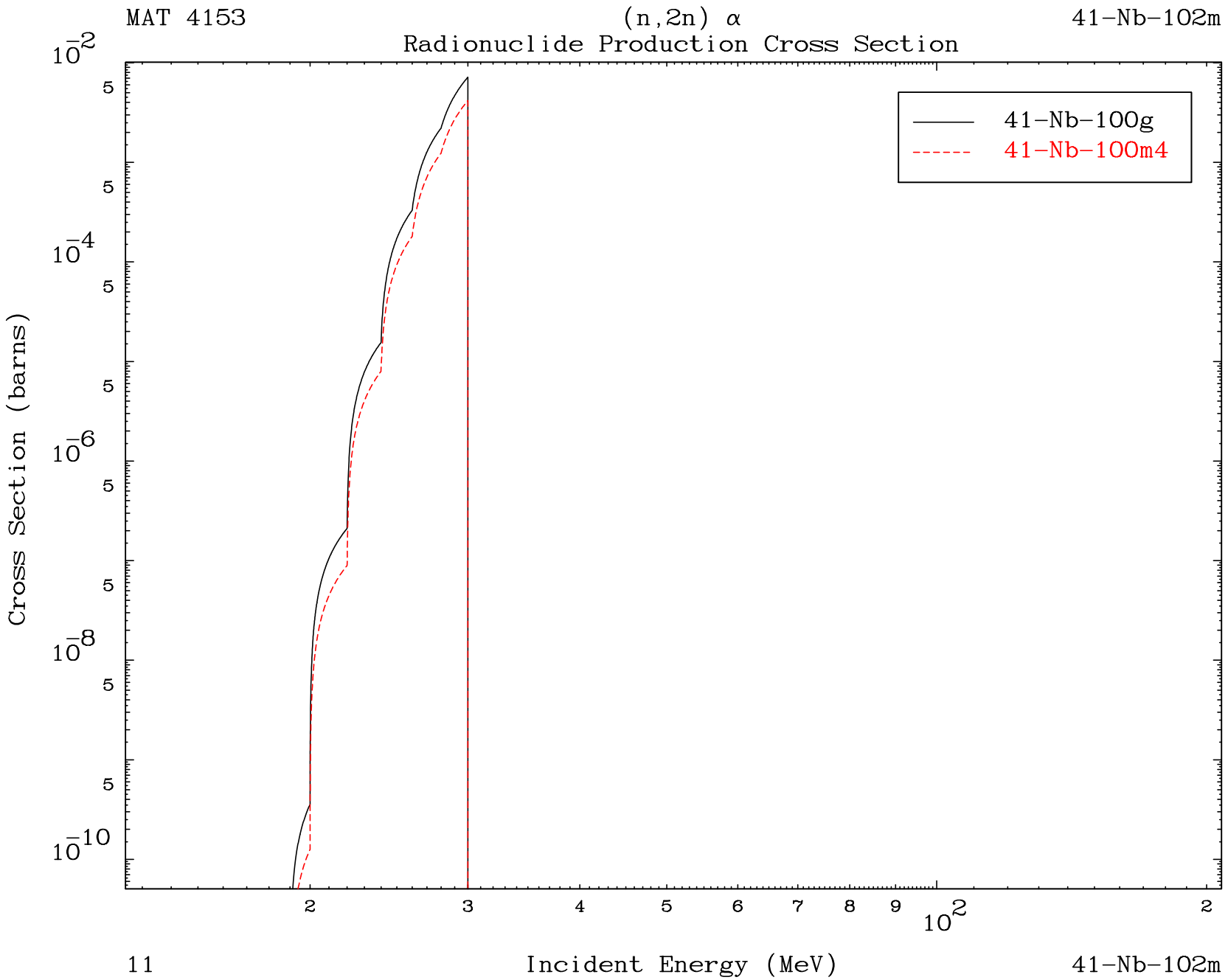

MAT 4153
(α,p) Levels
41-Nb-102m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
6
41-Nb-102m

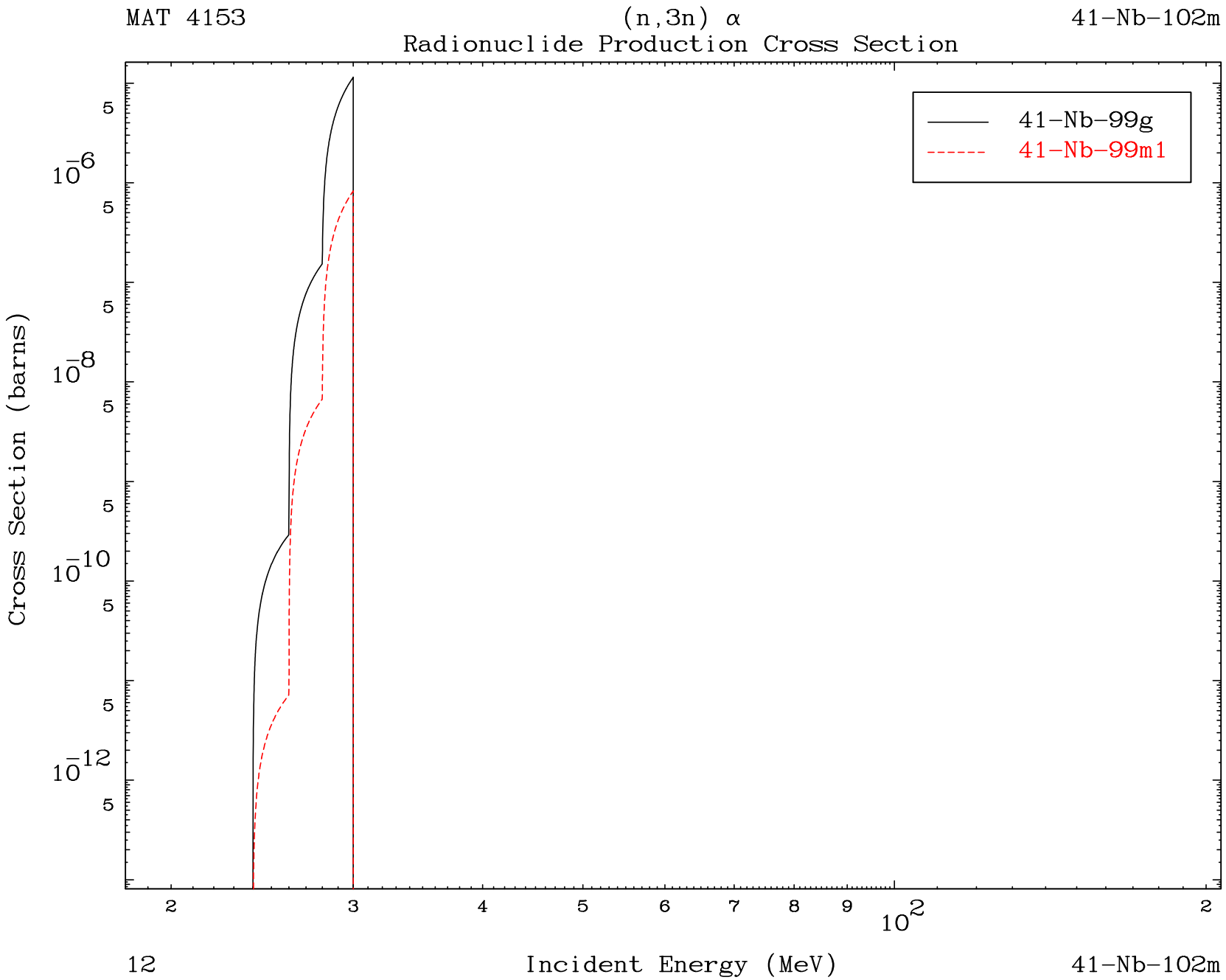

MAT 4153
(α,d) Levels
41-Nb-102m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
7
41-Nb-102m

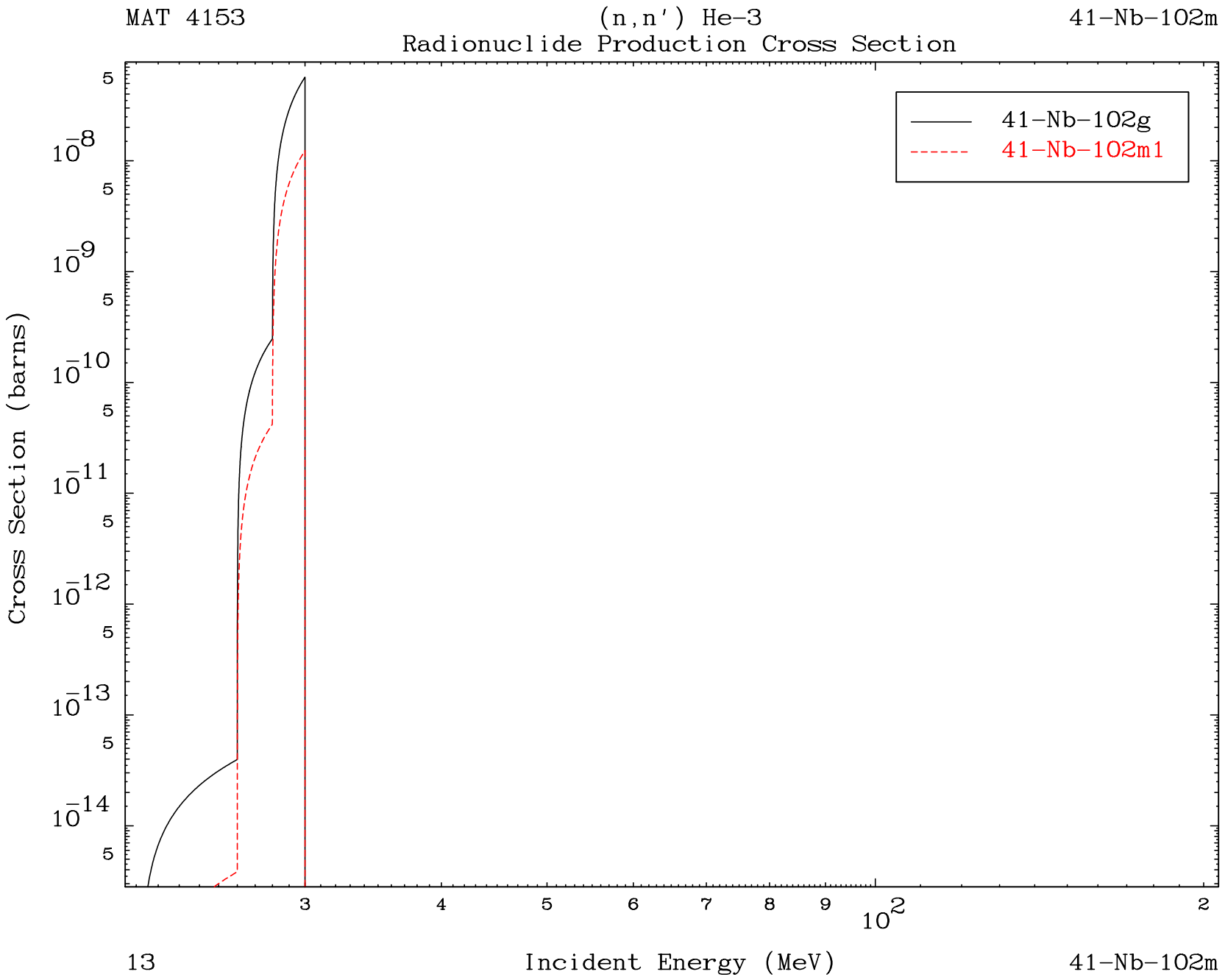

MAT 4153
(α,t) Levels
41-Nb-102m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
8
41-Nb-102m

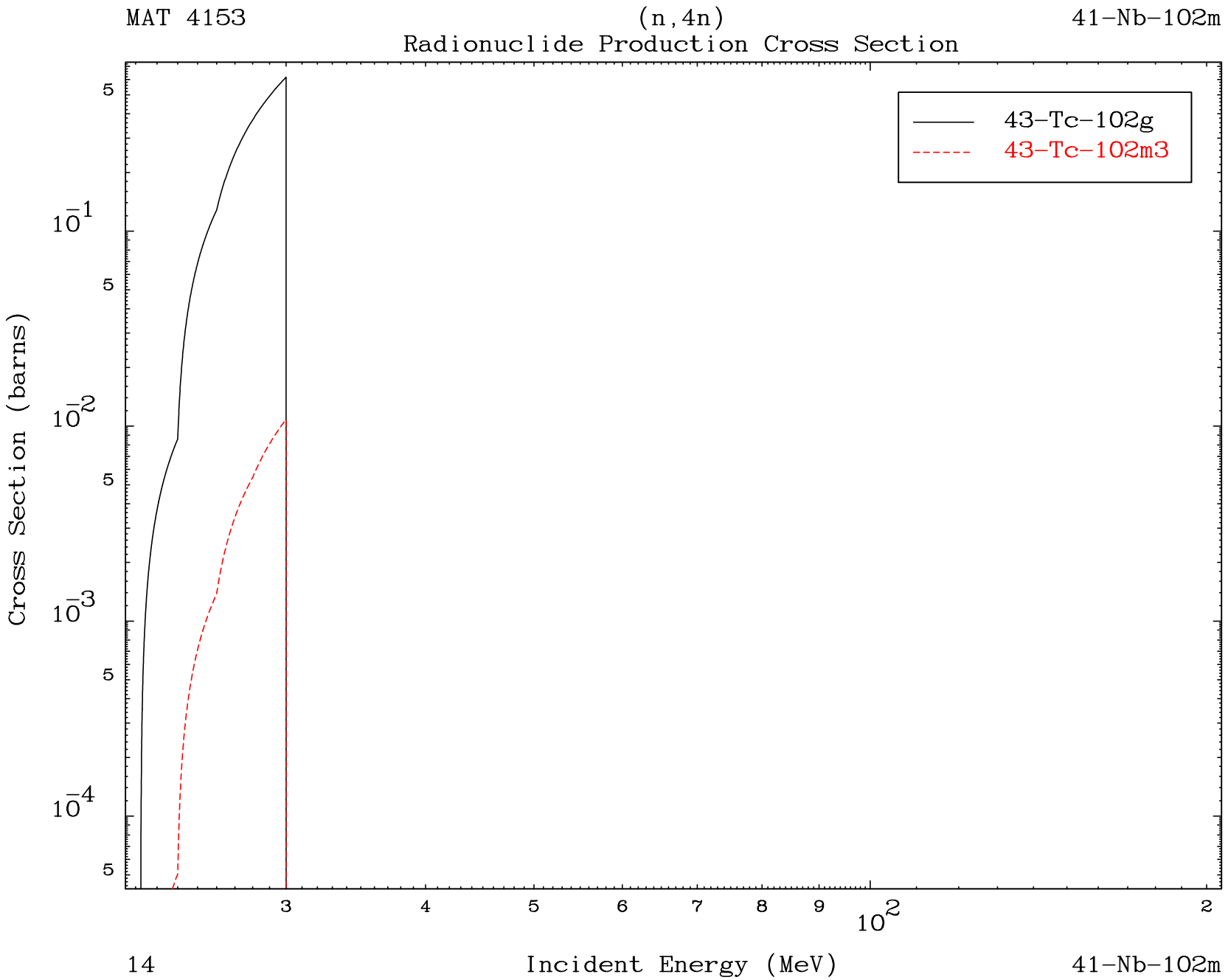

MAT 4153
(α,He3) Levels
41-Nb-102m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
9
41-Nb-102m

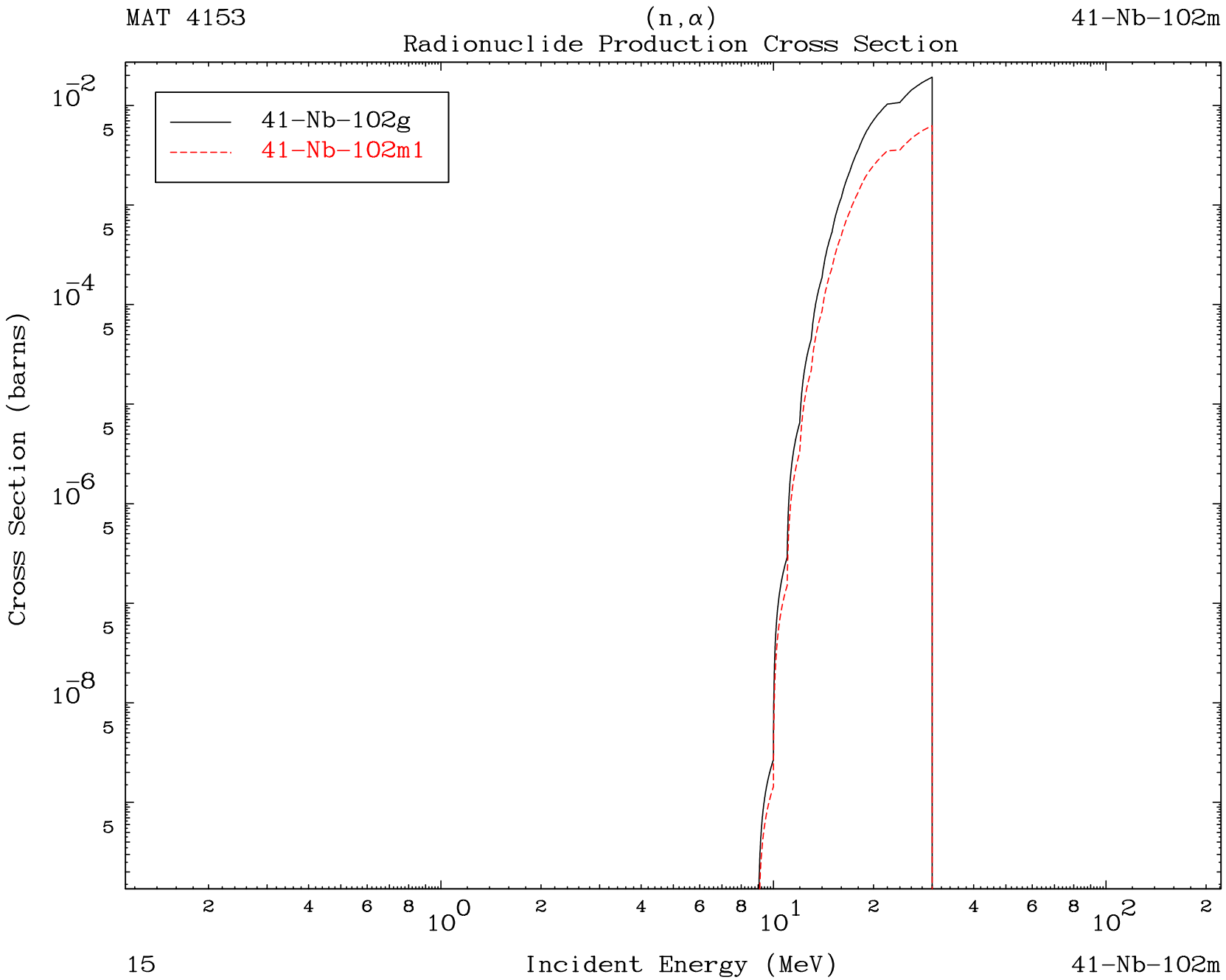

MAT 4153
(α,α) Levels
41-Nb-102m
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
41-Nb-102m

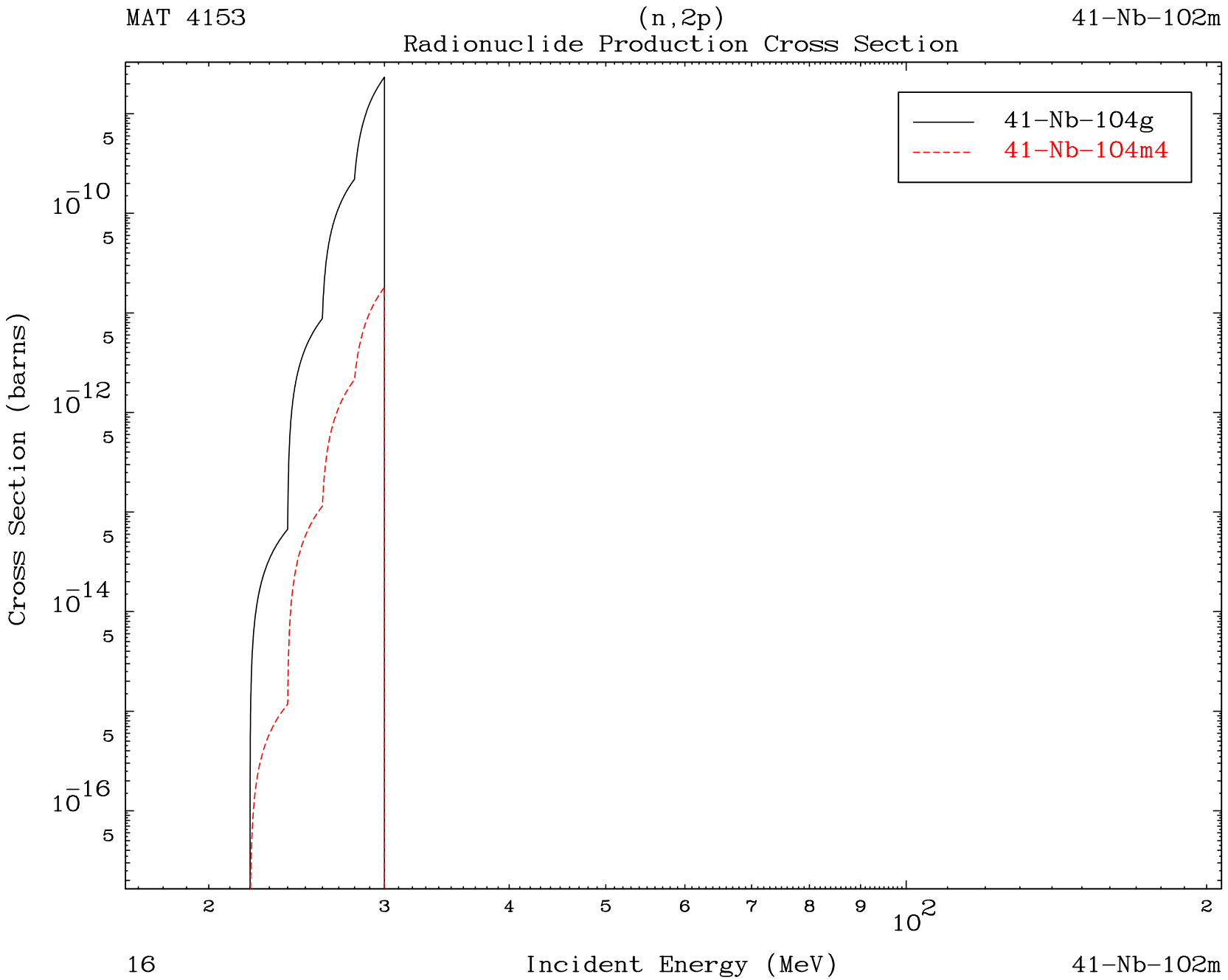

MAT 4153
(n,2n) α
41-Nb-102m
Radionuclide Production Cross Section
41-Nb-100g
41-Nb-100m4
Cross Section (barns)
Incident Energy (MeV)
11
41-Nb-102m


MAT 4153
(n,3n) α
41-Nb-102m
Radionuclide Production Cross Section
41-Nb-99g
41-Nb-99m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
41-Nb-102m


MAT 4153
(n,n') He-3
41-Nb-102m
Radionuclide Production Cross Section
41-Nb-102g
41-Nb-102m1
Cross Section (barns)
Incident Energy (MeV)
13
41-Nb-102m


MAT 4153
(n,4n)
41-Nb-102m
Radionuclide Production Cross Section
43-Tc-102g
43-Tc-102m3
Cross Section (barns)
5
10-1
5
10-2
5
10-3
5
10-4
5
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
41-Nb-102m


MAT 4153
(n,α)
41-Nb-102m
Radionuclide Production Cross Section
41-Nb-102g
41-Nb-102m1
Cross Section (barns)
Incident Energy (MeV)
15
41-Nb-102m


MAT 4153
(n,2p)
41-Nb-102m
Radionuclide Production Cross Section
41-Nb-104g
41-Nb-104m4
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)
41-Nb-102m