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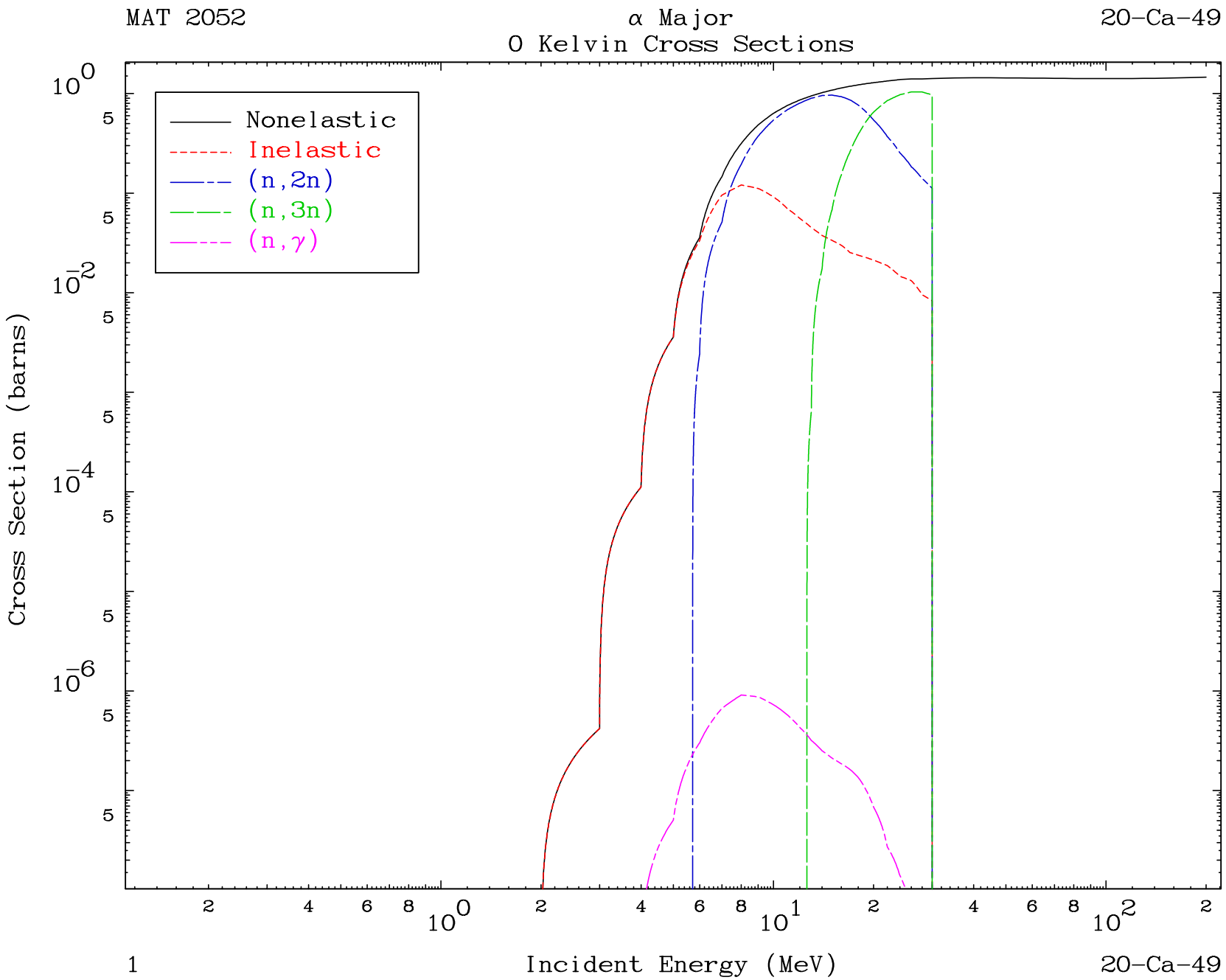
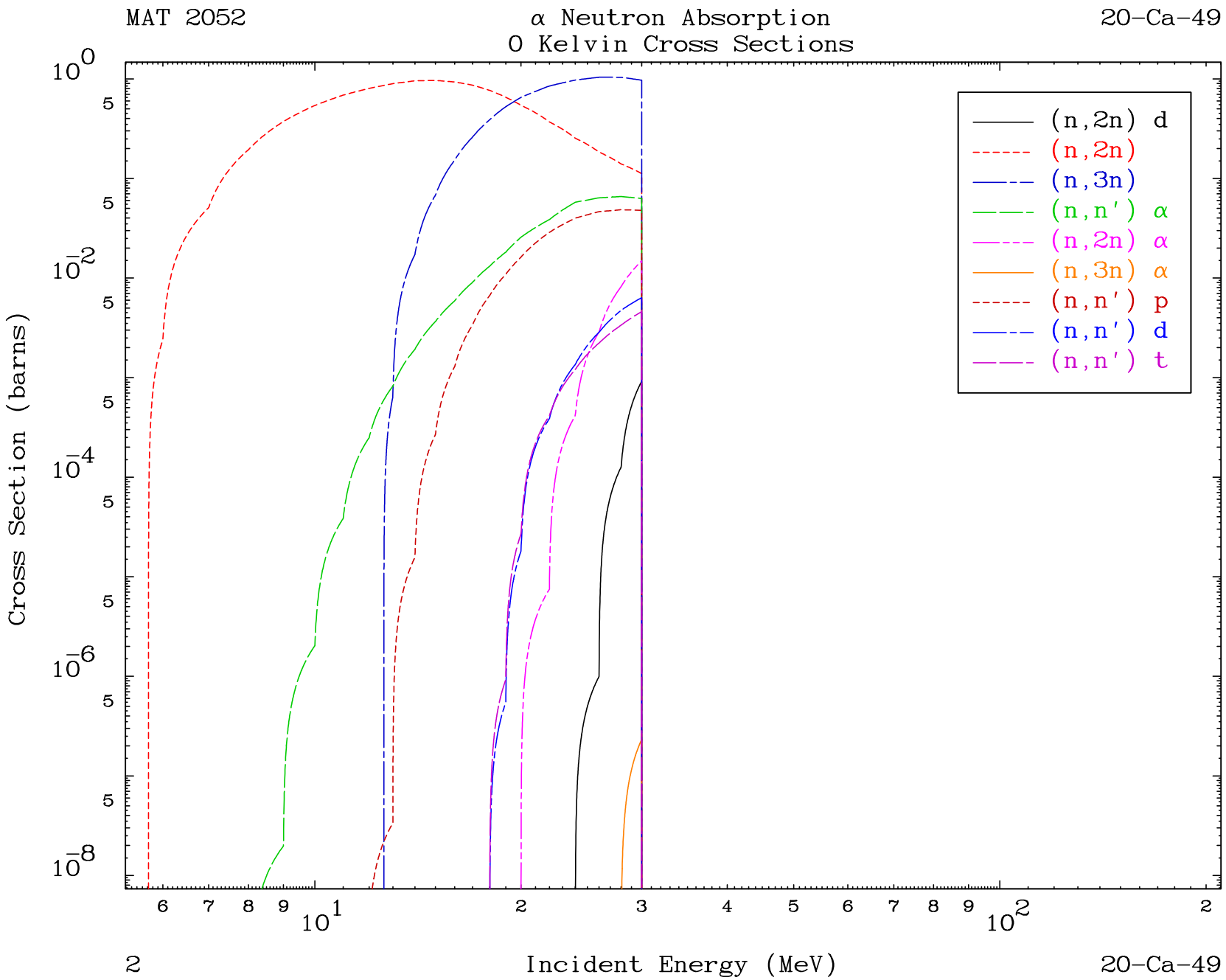
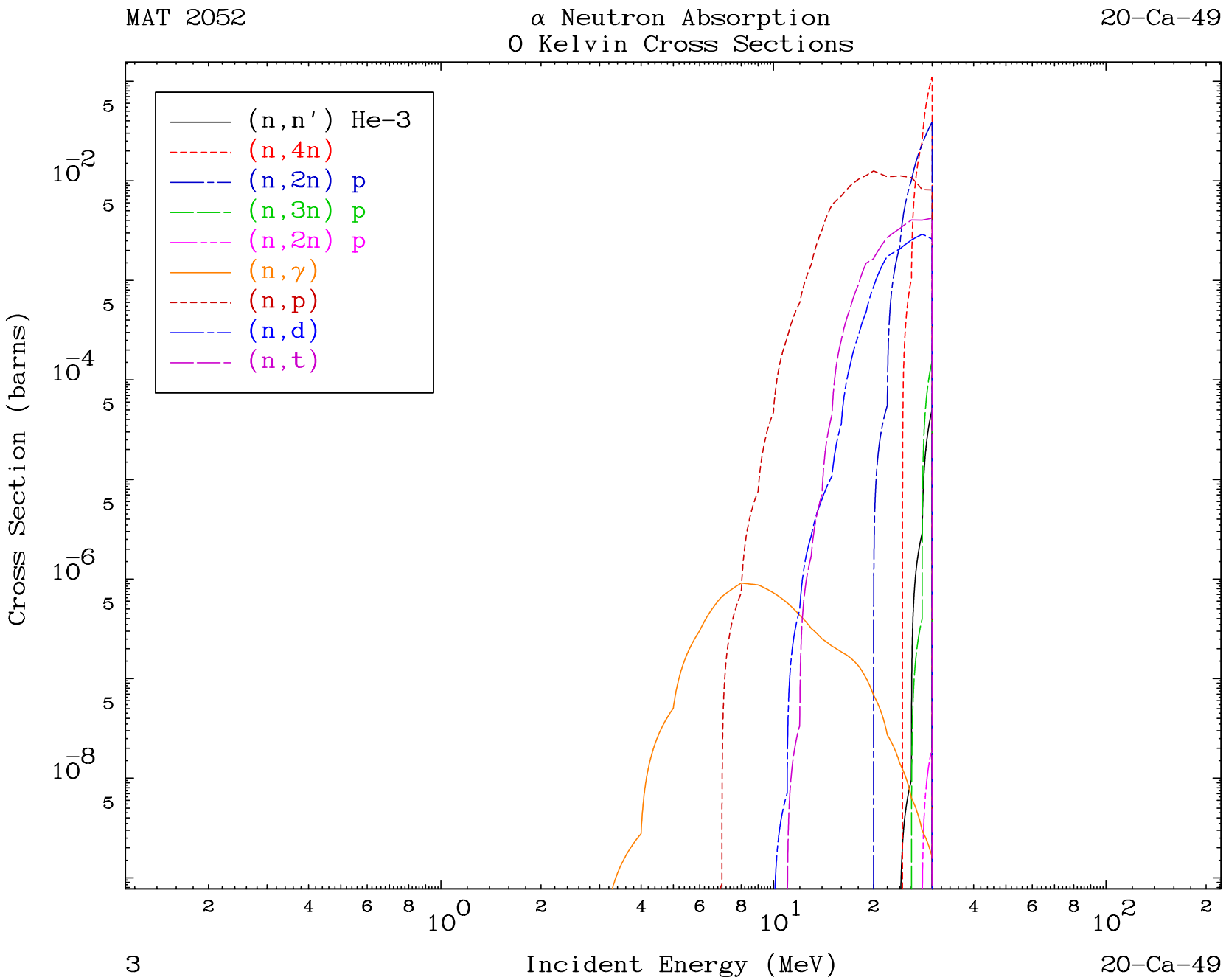
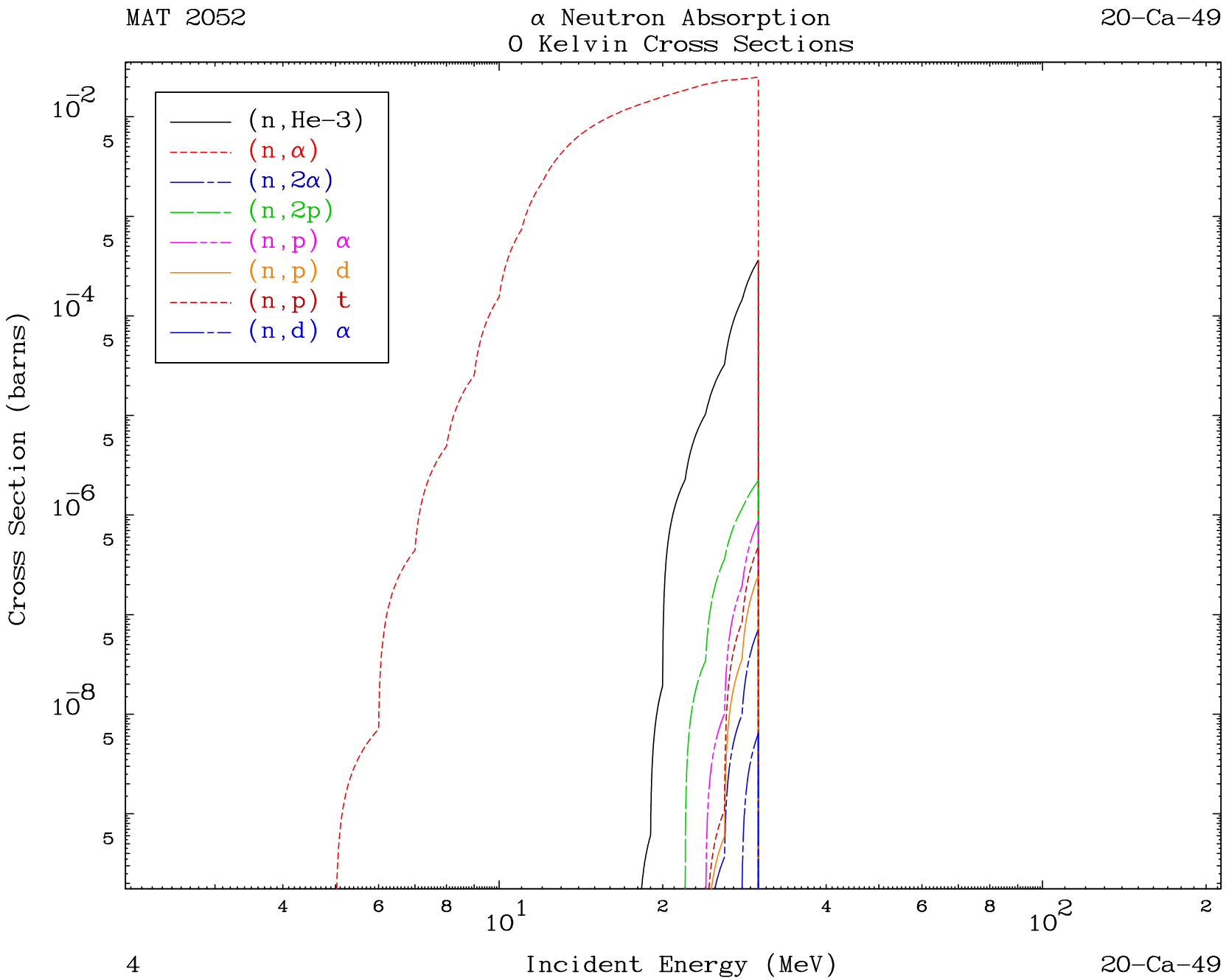
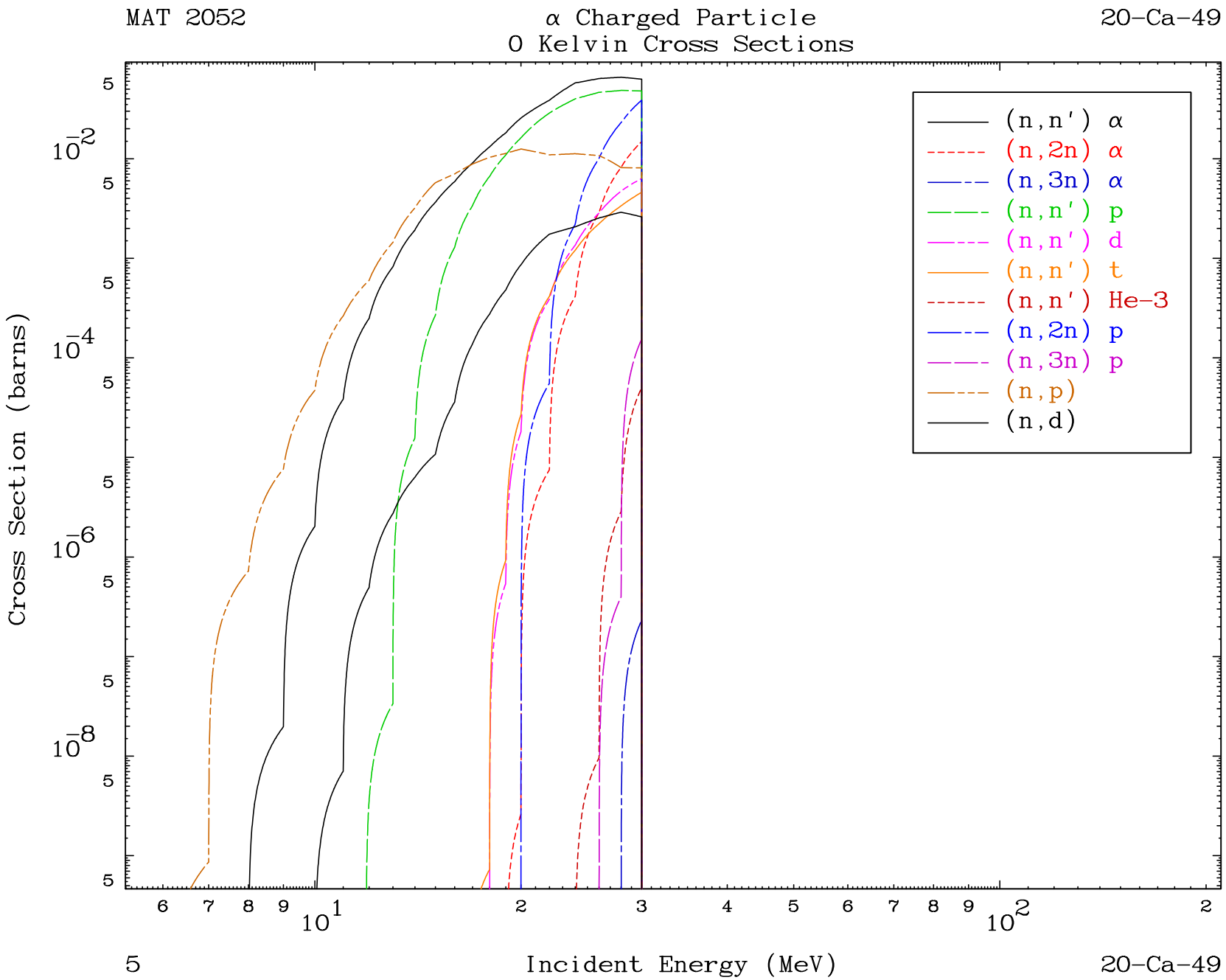
Press Mouse Button to Start

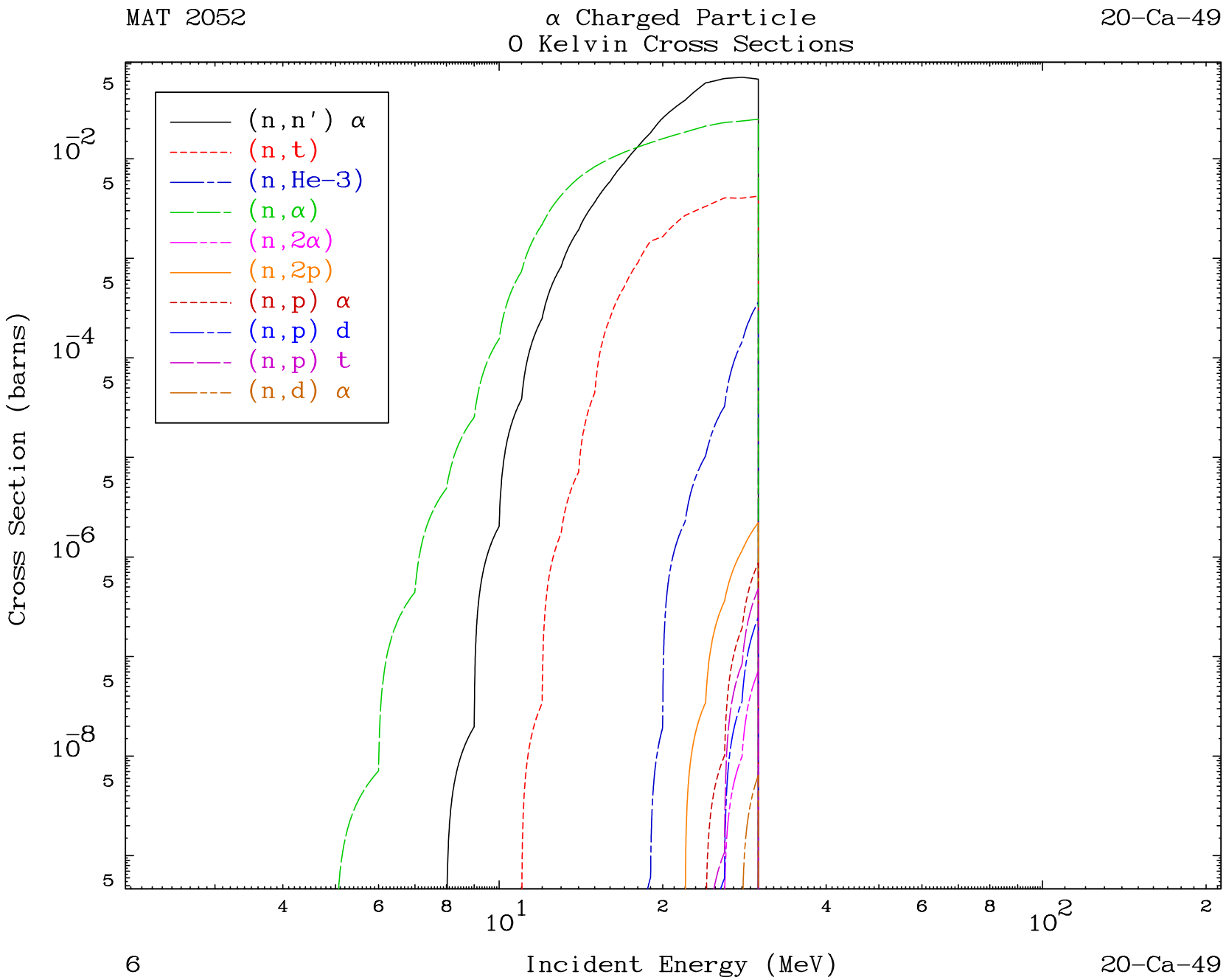

MAT 2052
α Major
20-Ca-49
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
20-Ca-49

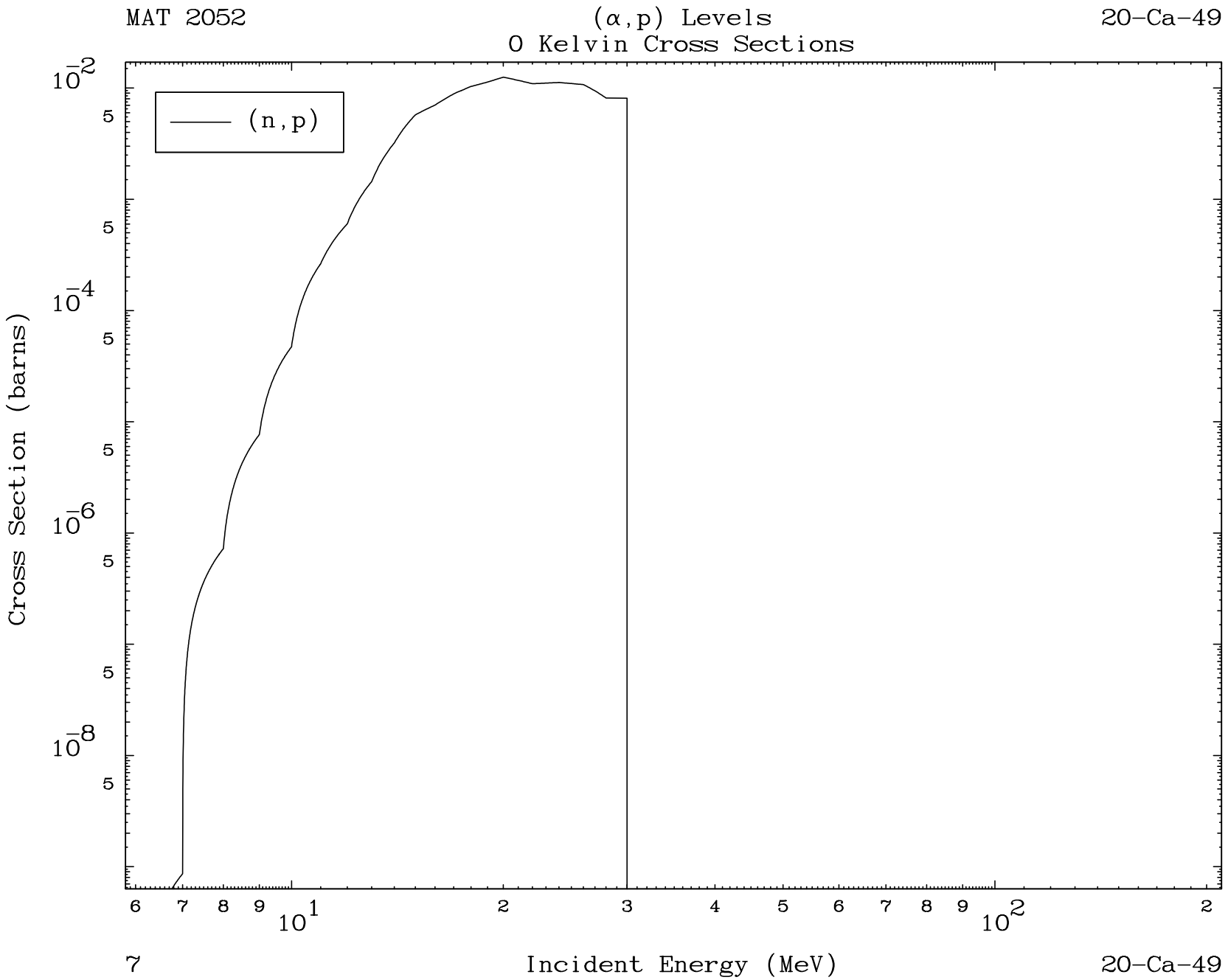

MAT 2052
α Neutron Absorption
0 Kelvin Cross Sections
20-Ca-49
Cross Section (barns)
Incident Energy (MeV)
20-Ca-49
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t

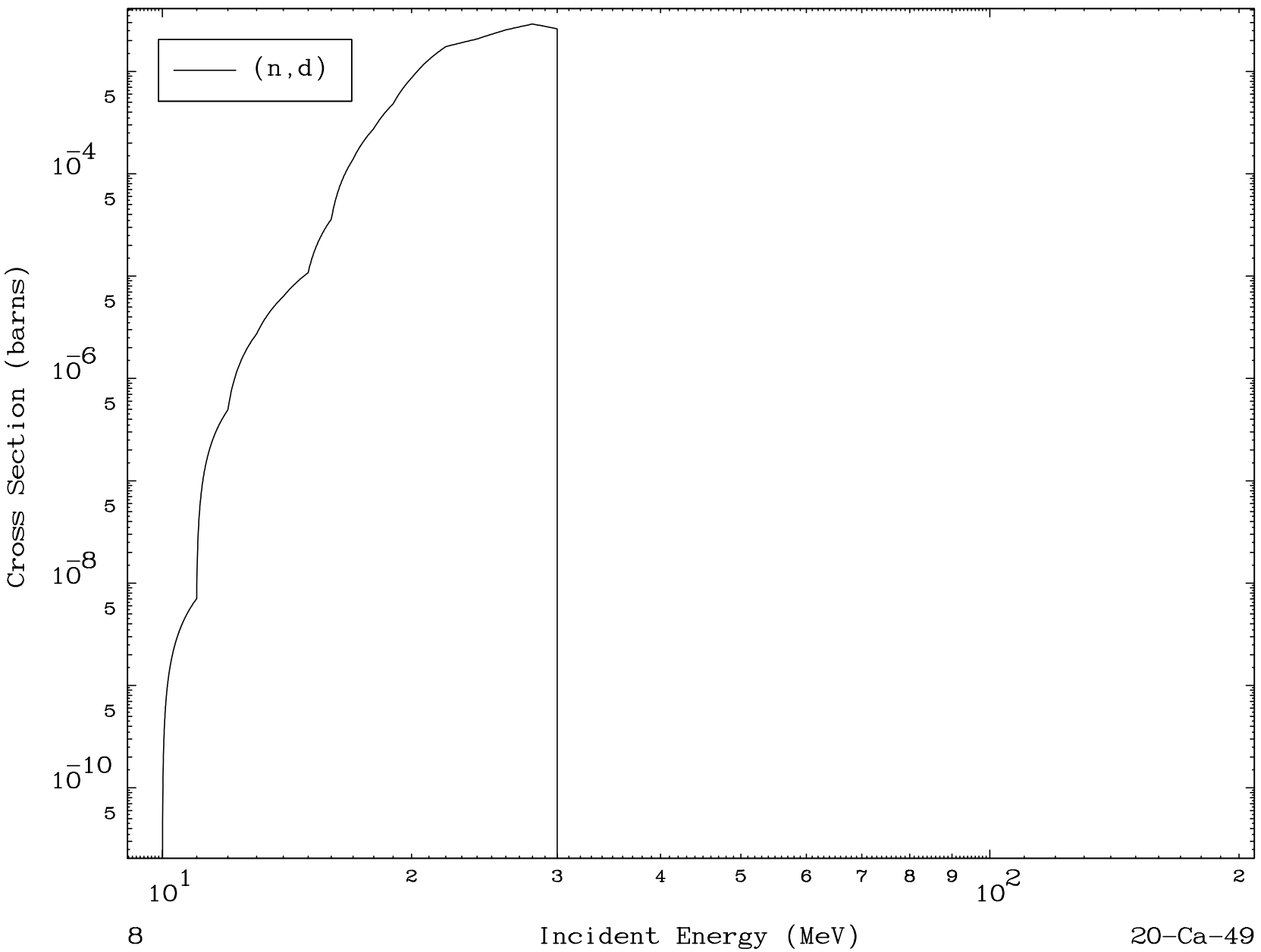

MAT 2052
α Neutron Absorption
0 Kelvin Cross Sections
20-Ca-49
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
10-2
10-4
10-6
10-8
10^0
10^1
10^2
Incident Energy (MeV)
3
20-Ca-49

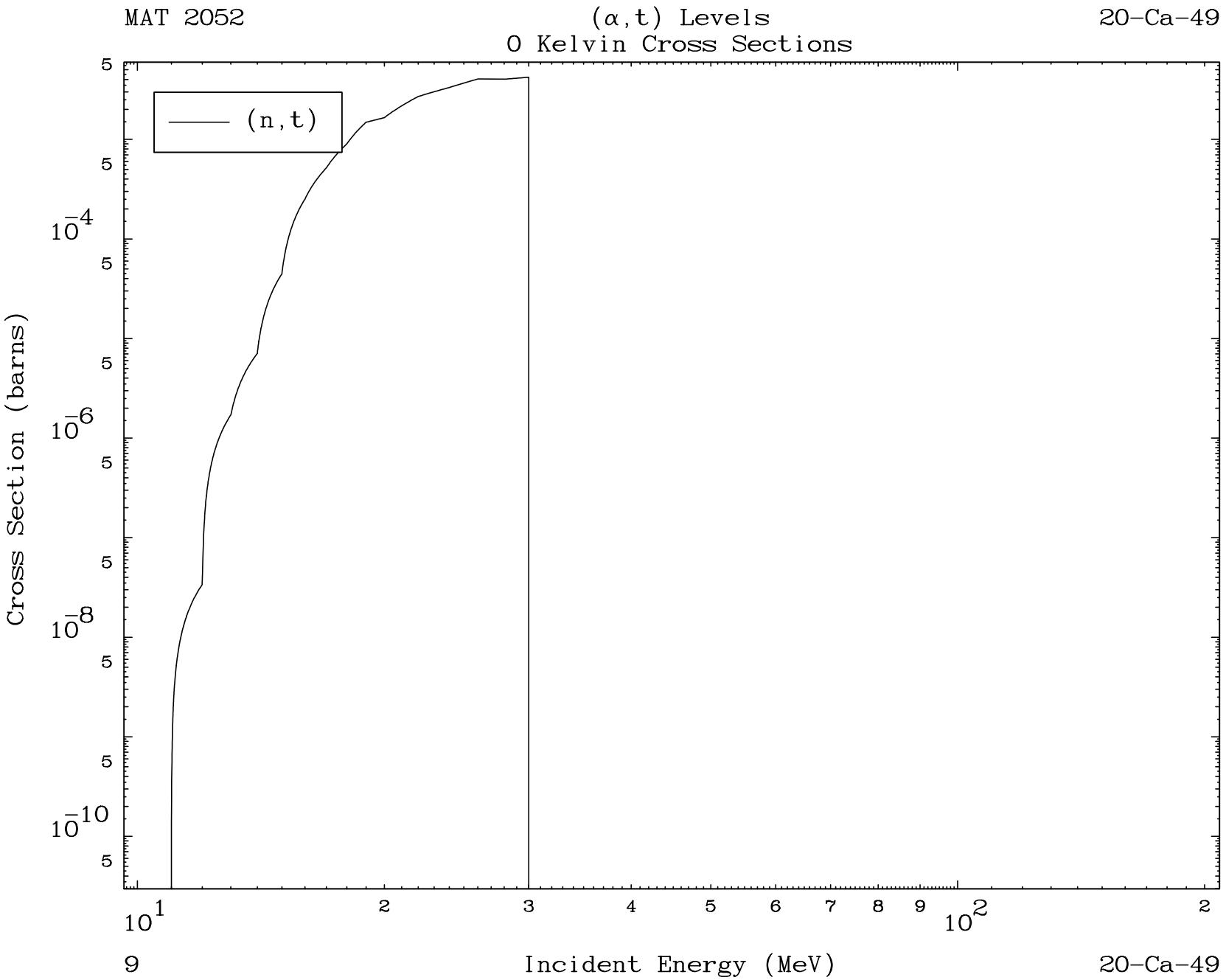

MAT 2052
α Neutron Absorption
0 Kelvin Cross Sections
20-Ca-49
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
20-Ca-49

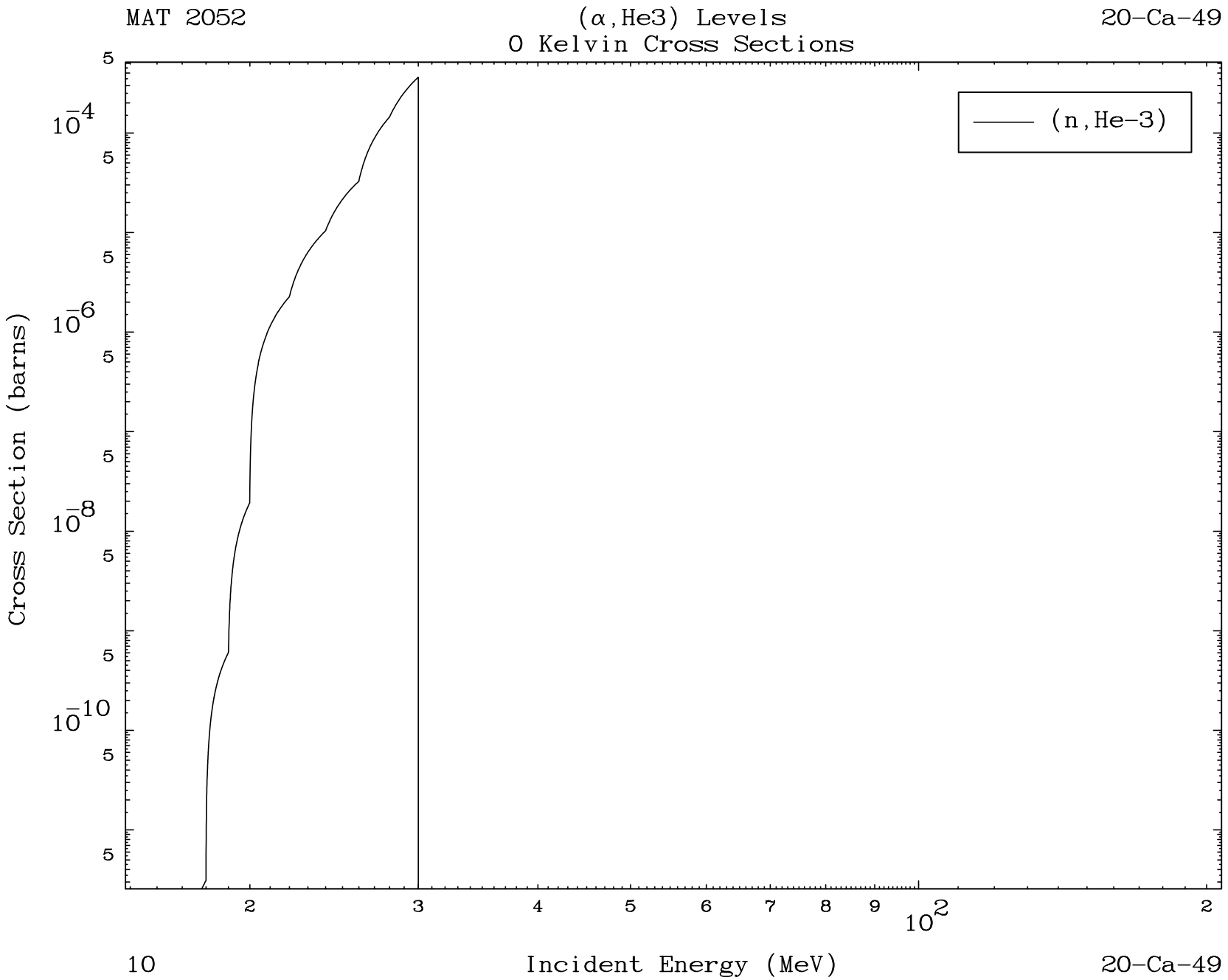

MAT 2052
α Charged Particle
0 Kelvin Cross Sections
20-Ca-49
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)

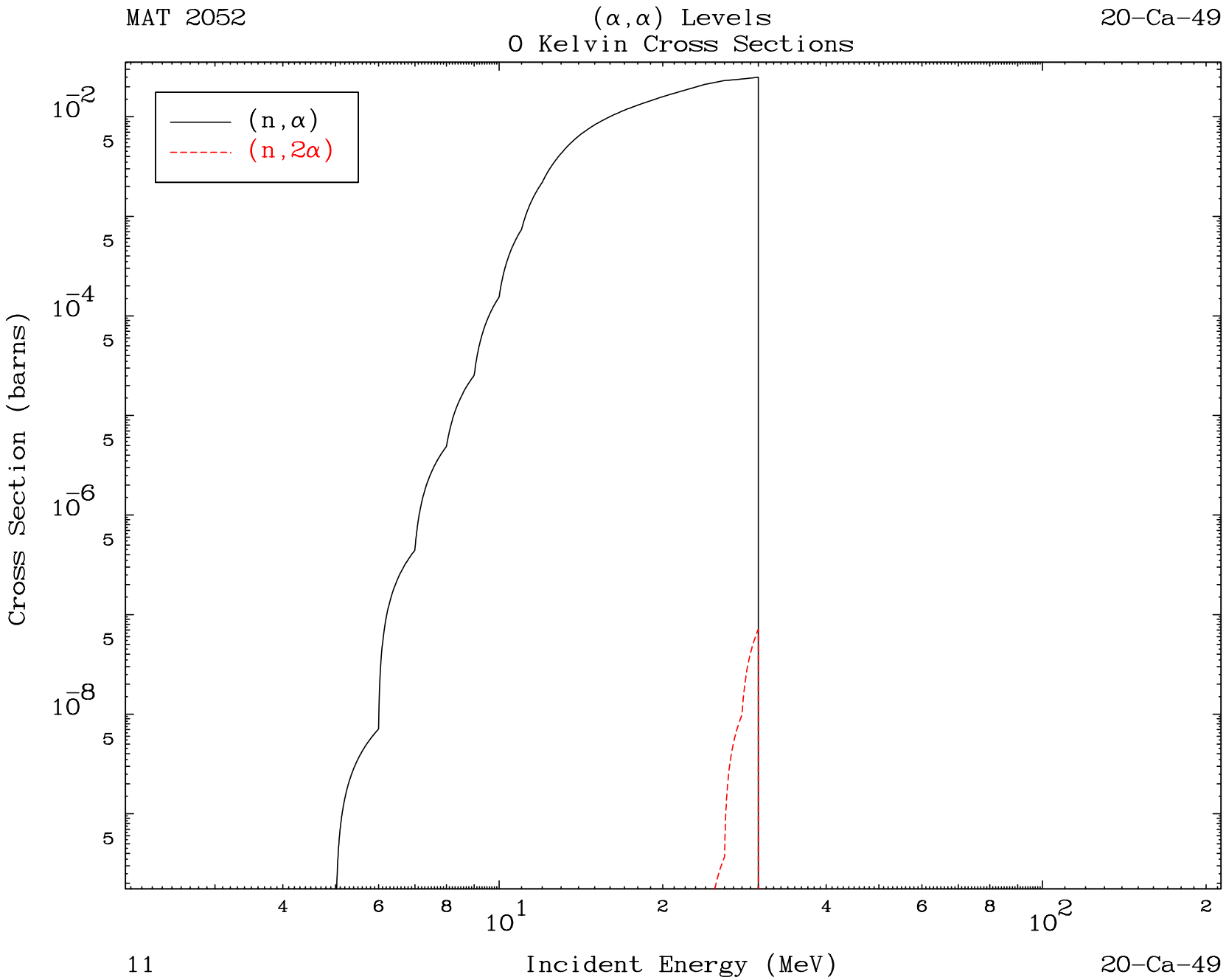

MAT 2052
α Charged Particle
0 Kelvin Cross Sections
20-Ca-49
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
20-Ca-49

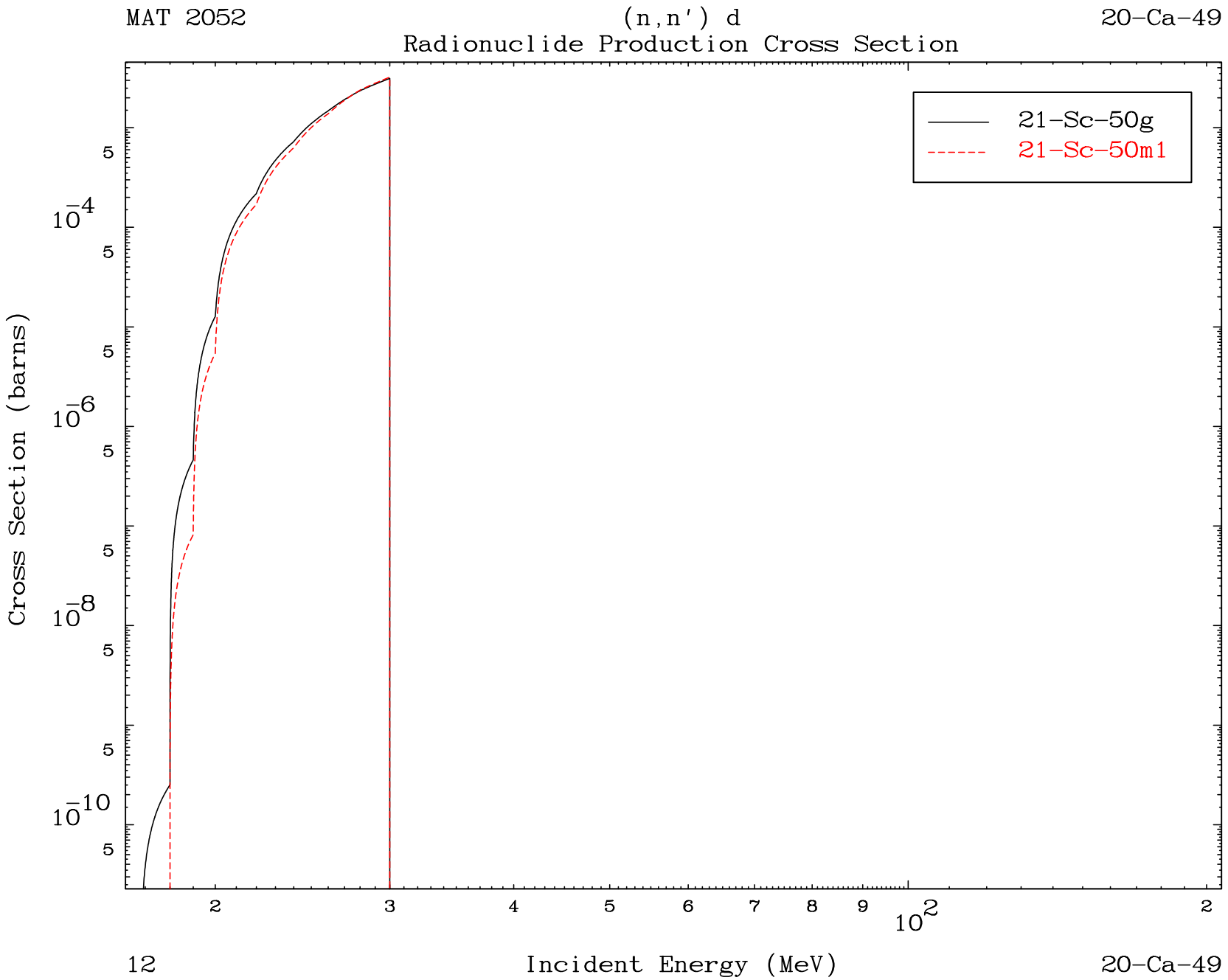

MAT 2052
(α,p) Levels
0 Kelvin Cross Sections
20-Ca-49
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
20-Ca-49

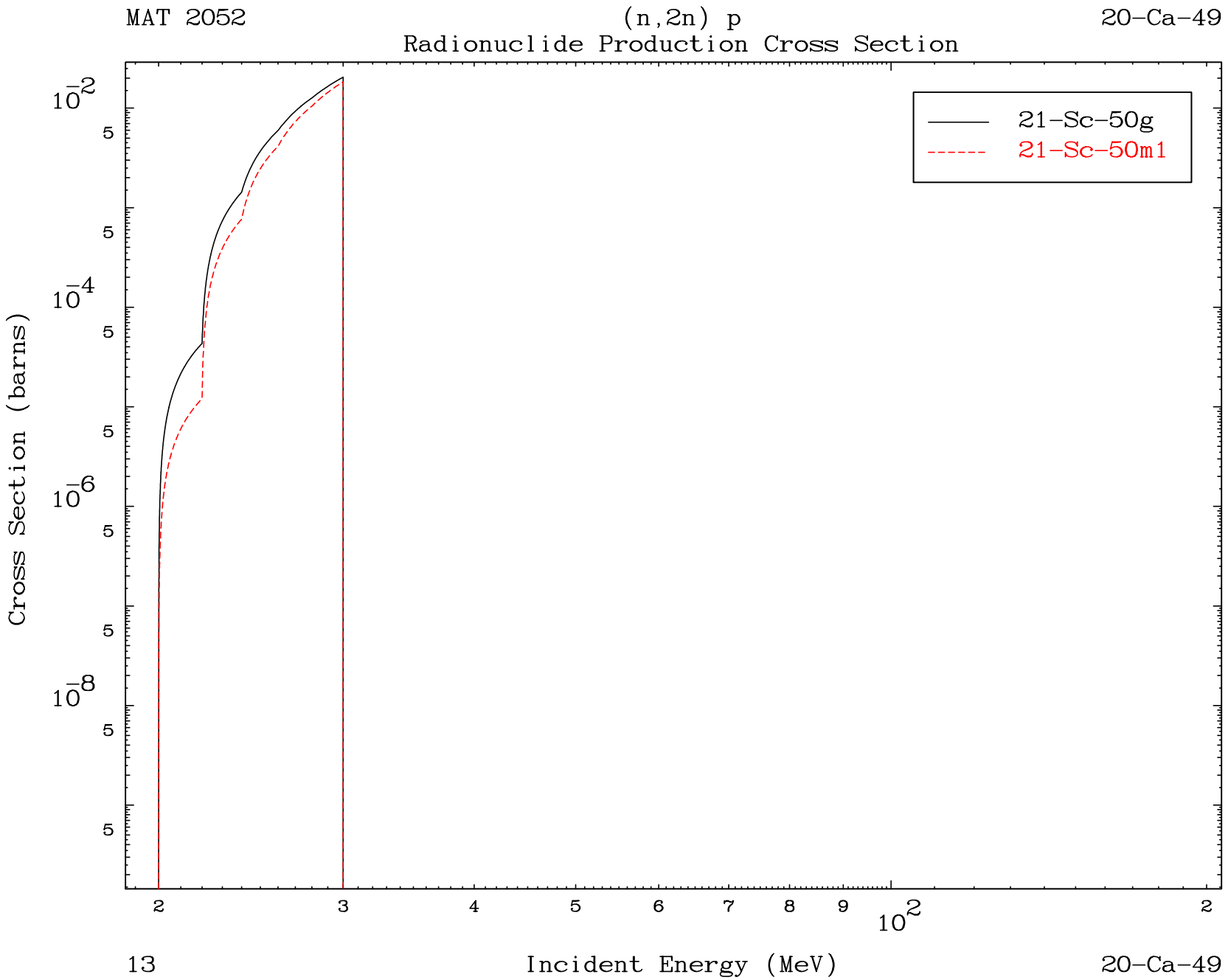

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

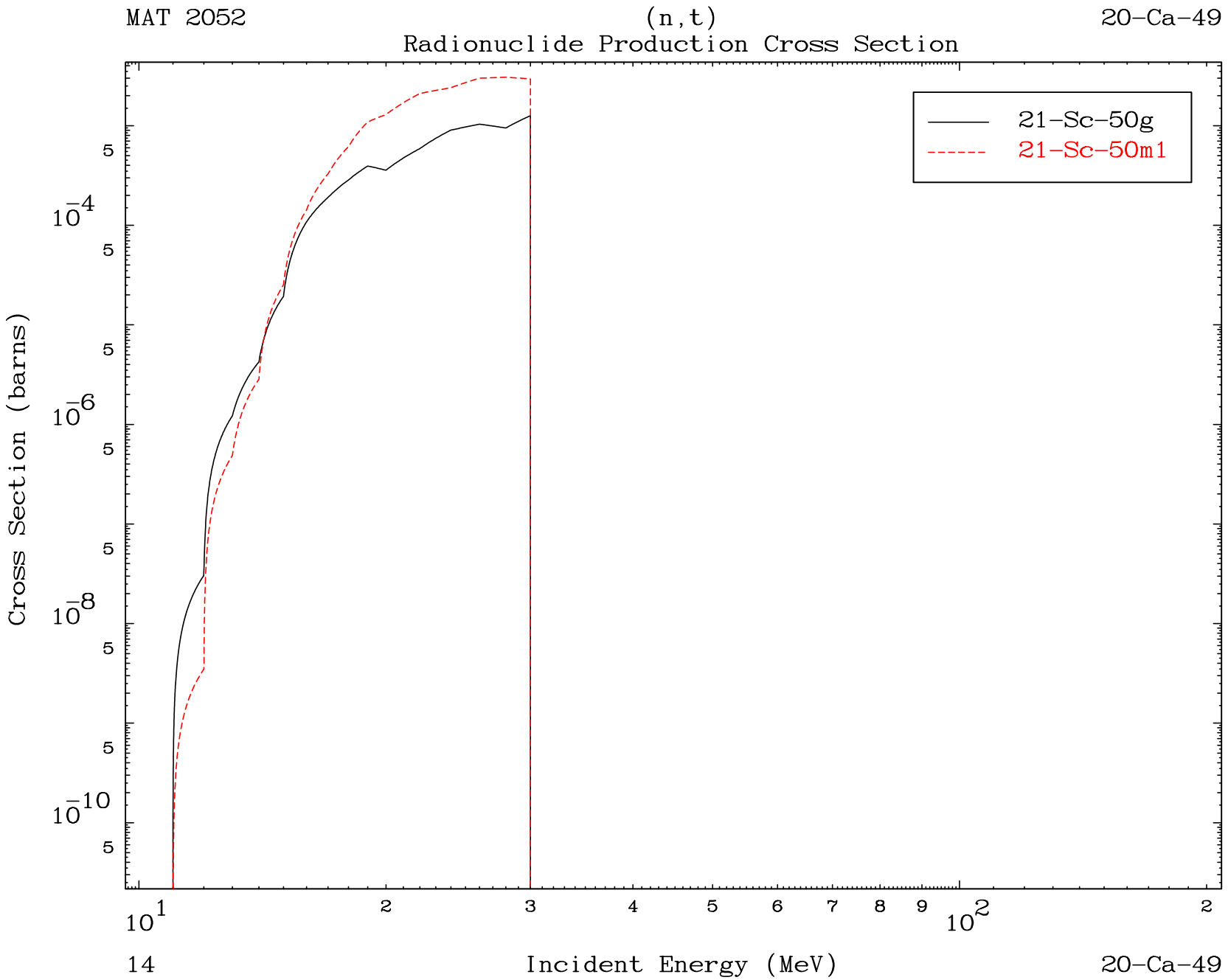

MAT 2052
(α,t) Levels
20-Ca-49
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
20-Ca-49
9


MAT 2052
(α,He3) Levels
20-Ca-49
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^2
20-Ca-49


MAT 2052
(α,α) Levels
20-Ca-49
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
20-Ca-49


MAT 2052
(n,n') d
20-Ca-49
Radionuclide Production Cross Section
21-Sc-50g
21-Sc-50m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
20-Ca-49


MAT 2052
(n,2n) p
20-Ca-49
Radionuclide Production Cross Section
21-Sc-50g
21-Sc-50m1
Cross Section (barns)
Incident Energy (MeV)
13
20-Ca-49


MAT 2052
(n,t)
20-Ca-49
Radionuclide Production Cross Section
21-Sc-50g
21-Sc-50m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
14
20-Ca-49