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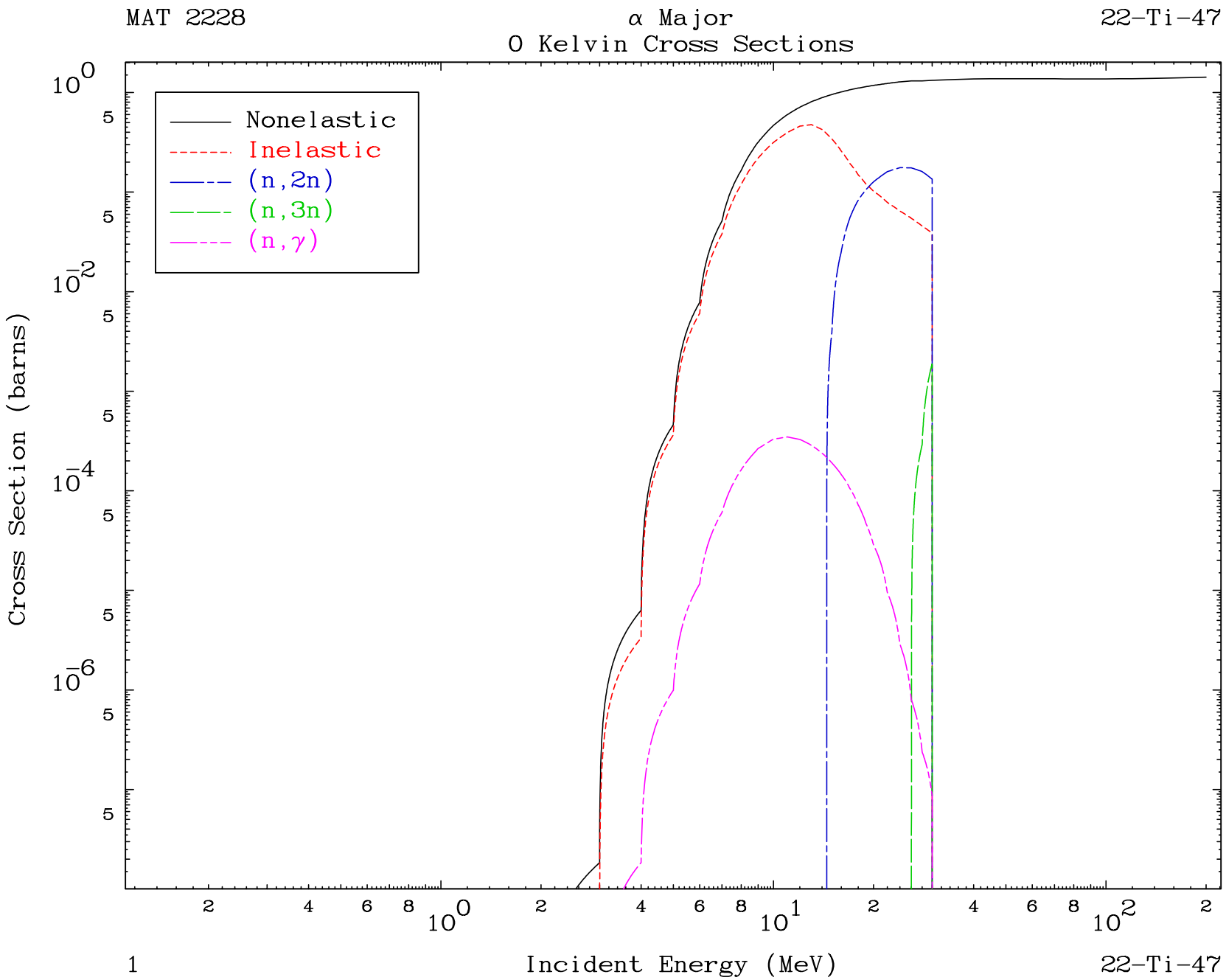
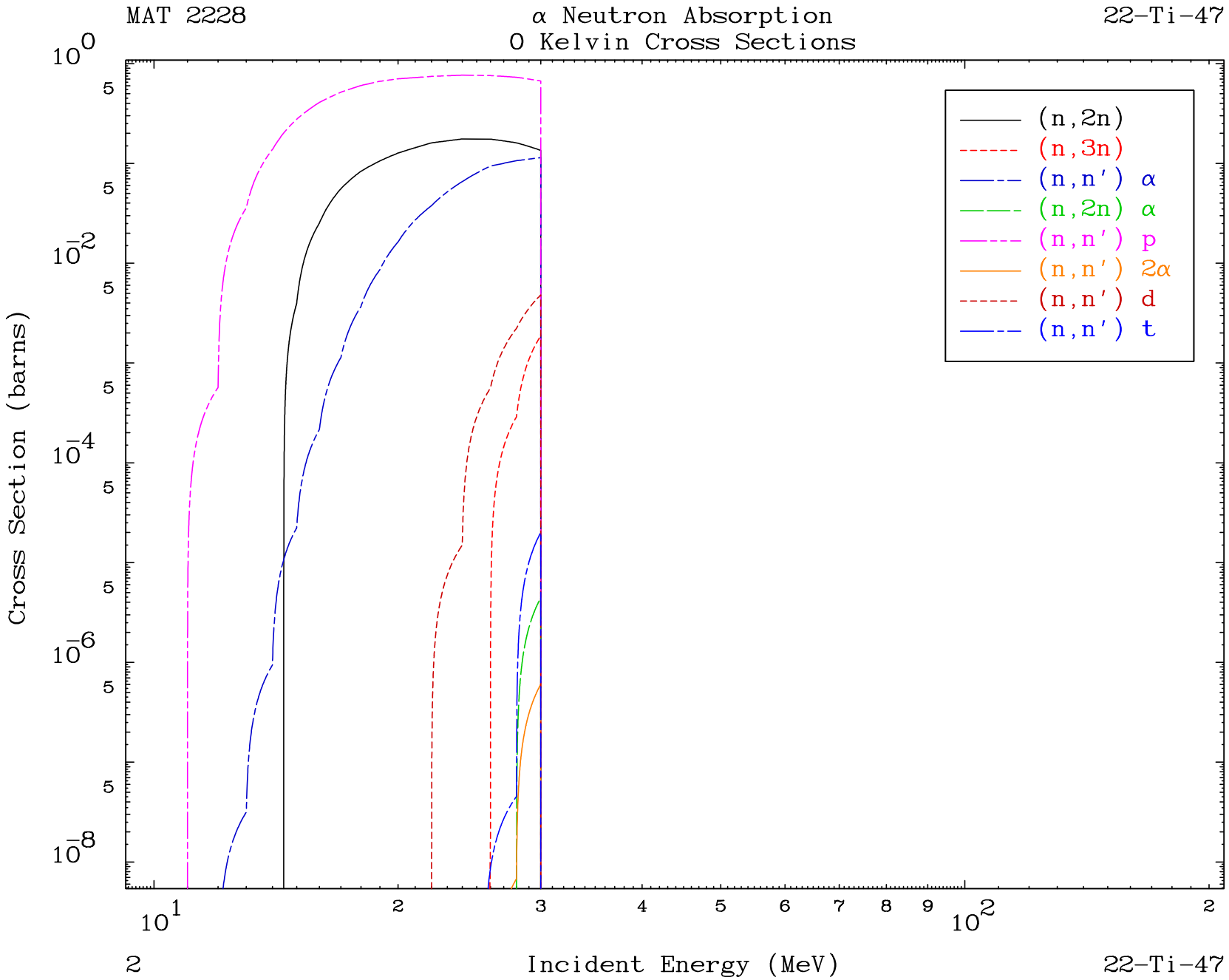
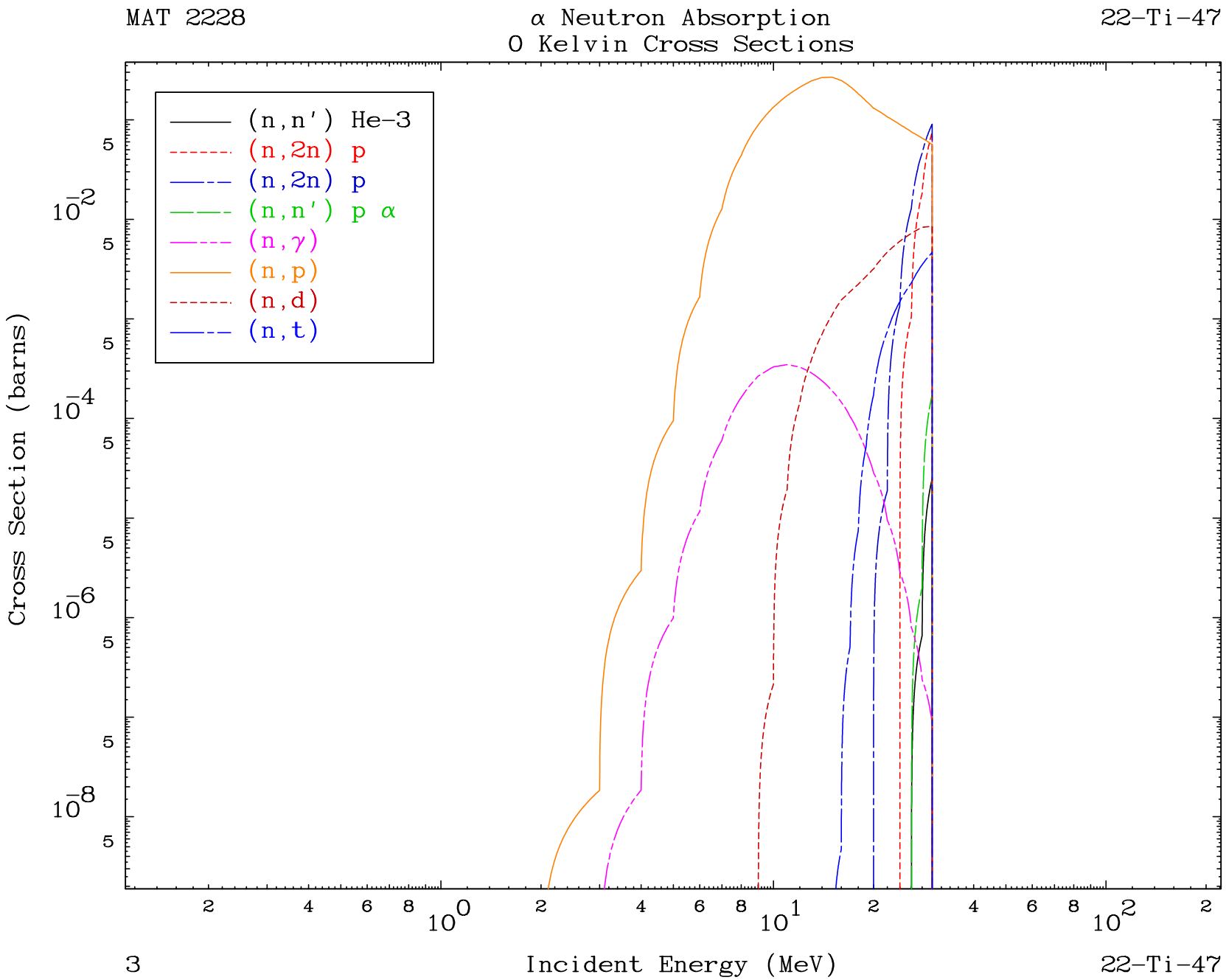
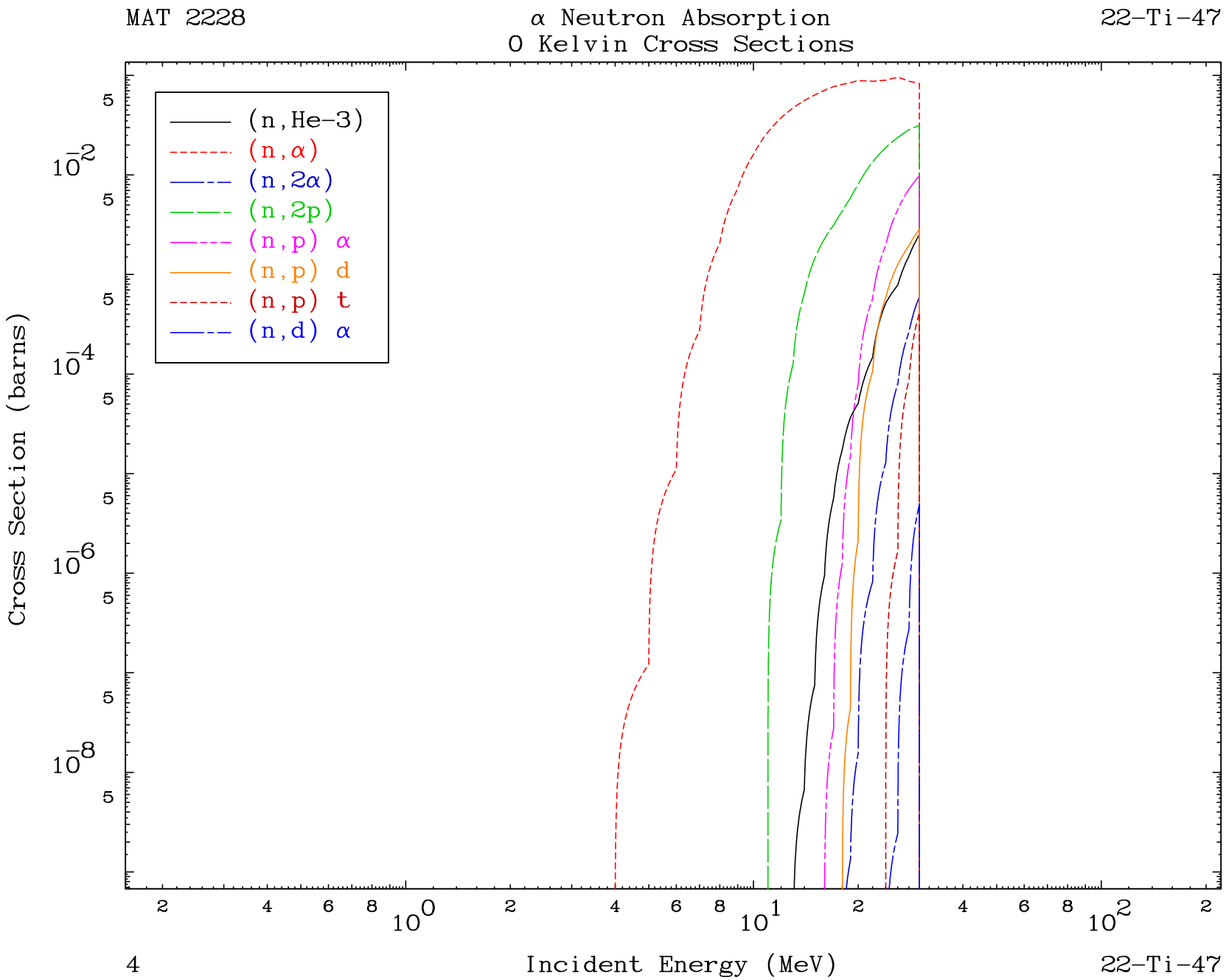
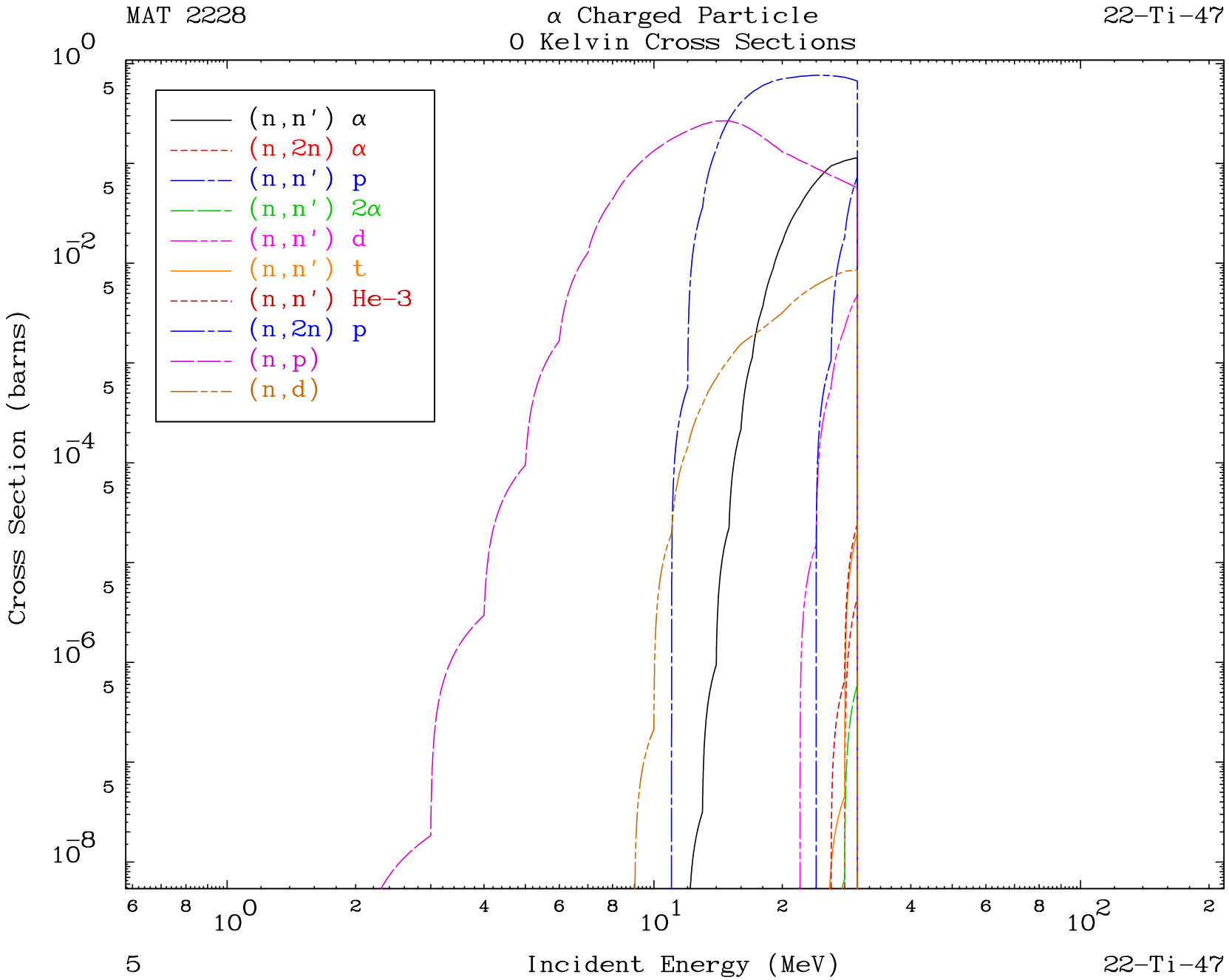
Press Mouse Button to Start

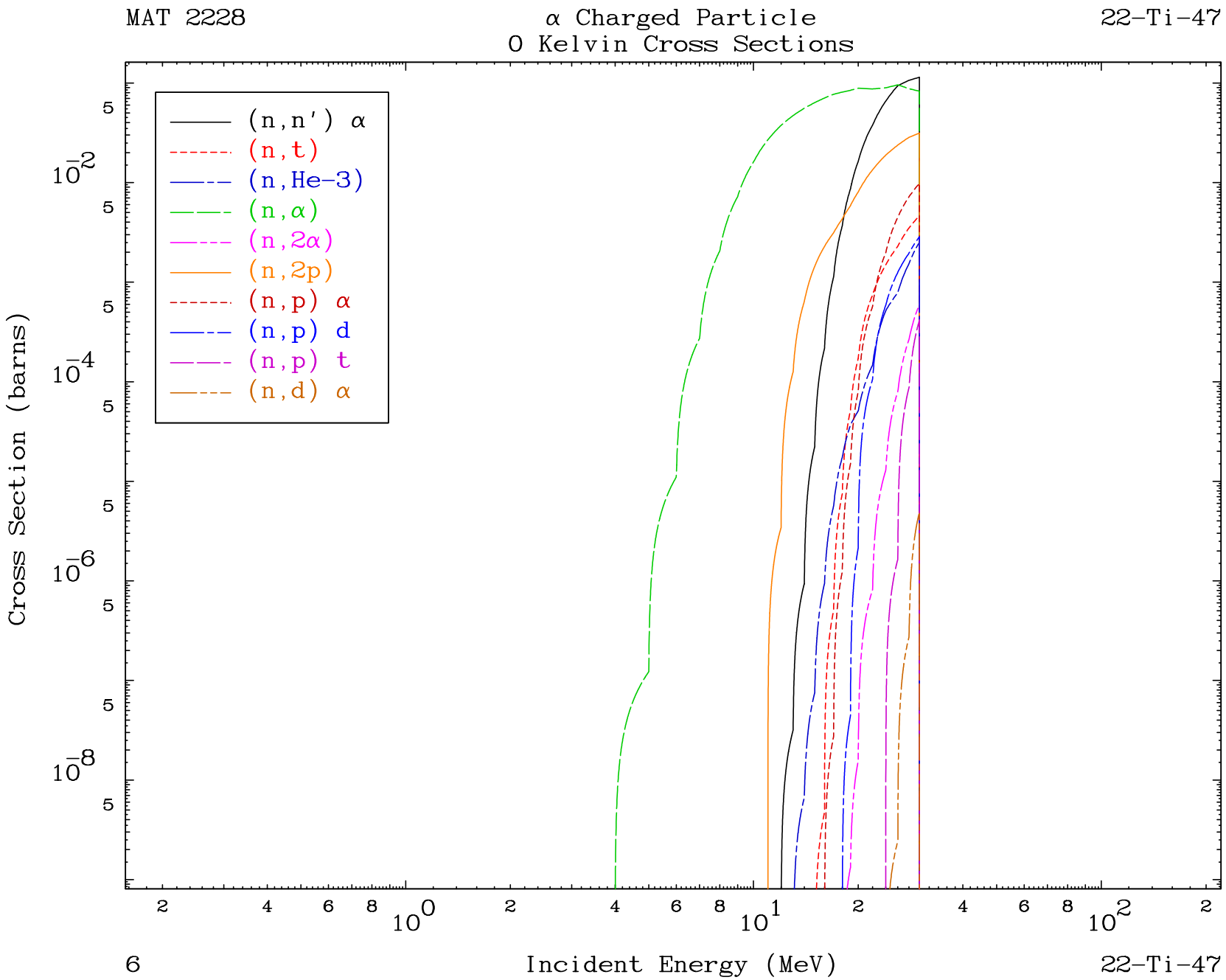

MAT 2228
α Major
22-Ti-47
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
22-Ti-47

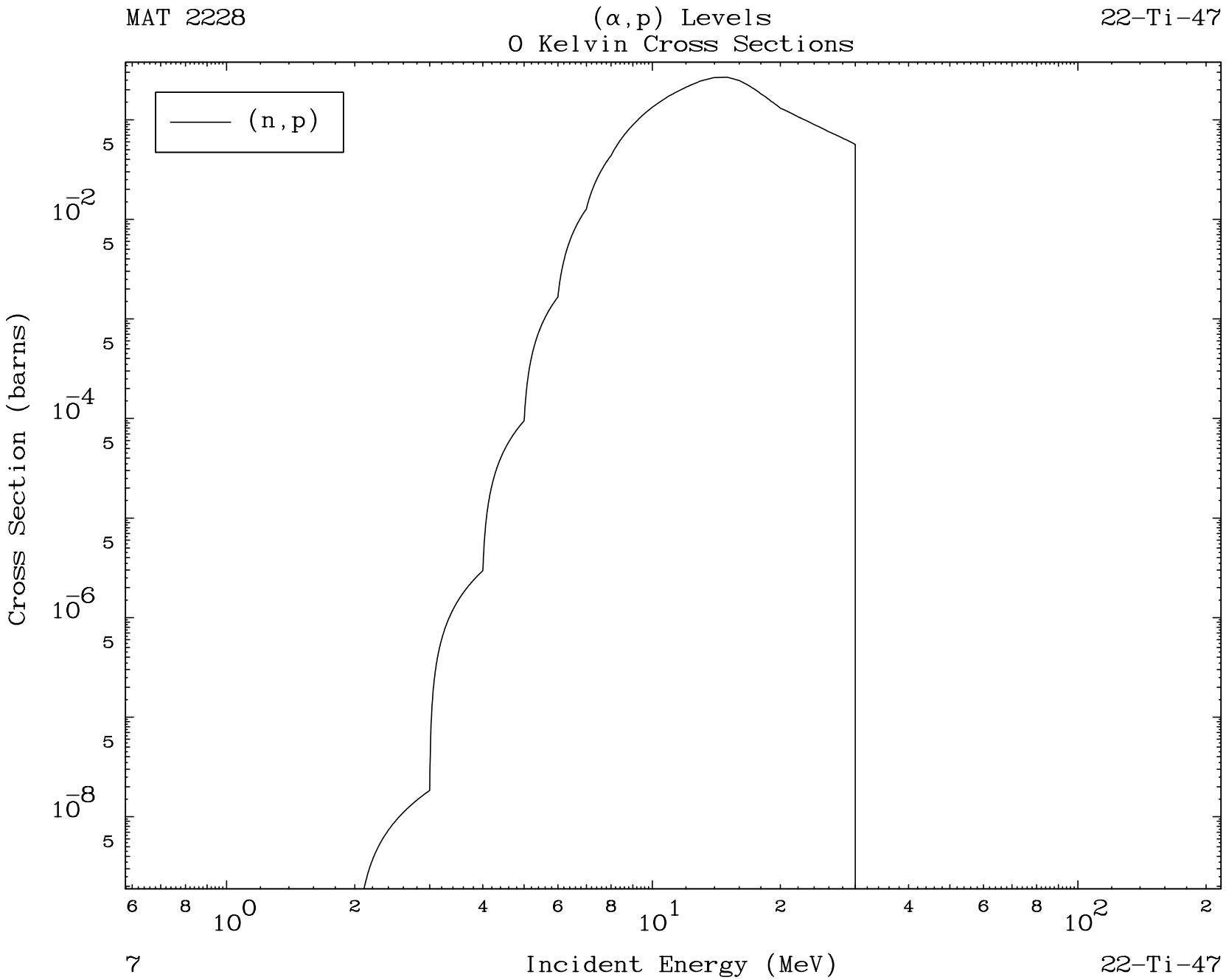

MAT 2228
α Neutron Absorption
0 Kelvin Cross Sections
22-Ti-47
Cross Section (barns)
Incident Energy (MeV)
22-Ti-47
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t

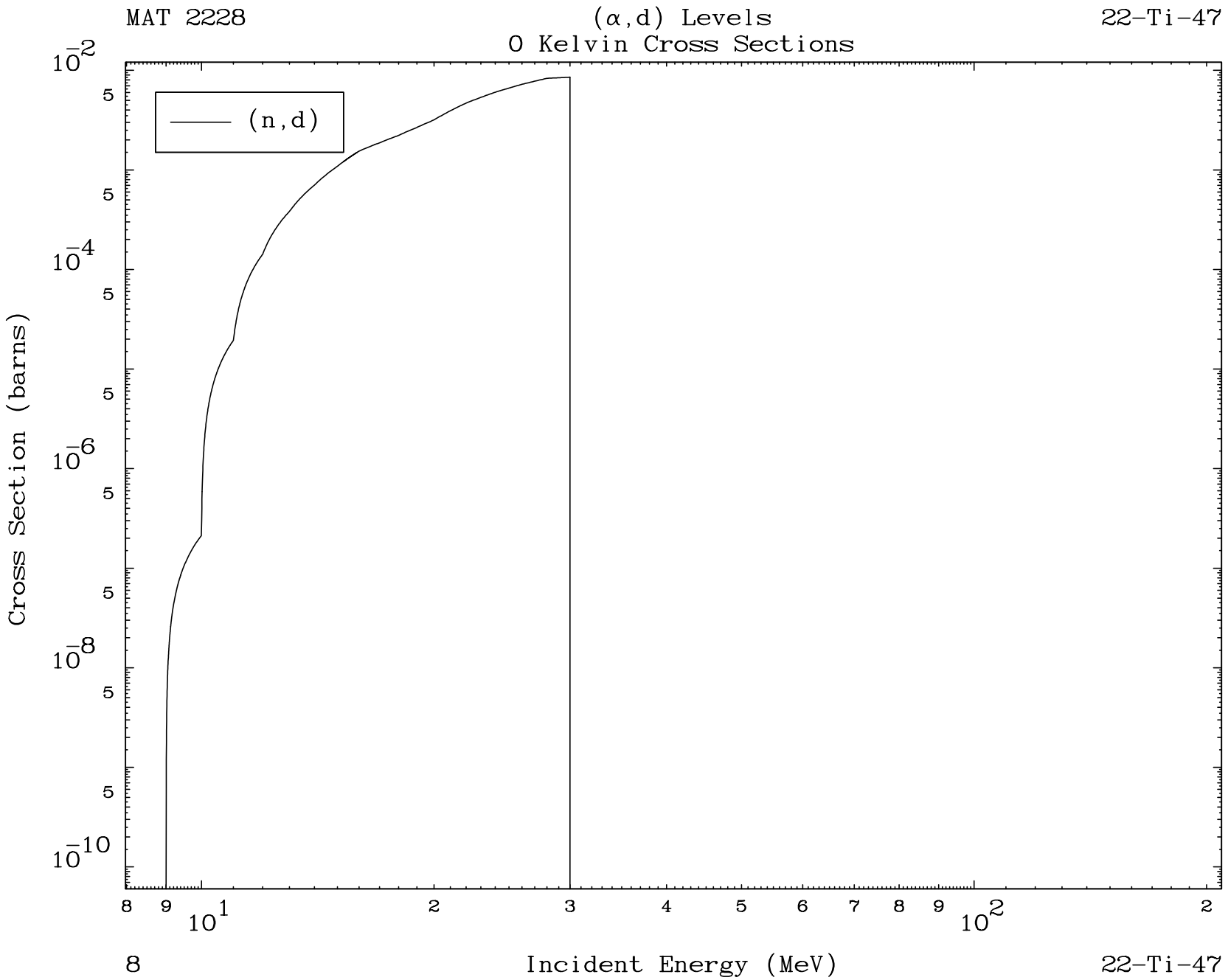

MAT 2228
α Neutron Absorption
0 Kelvin Cross Sections
22-Ti-47
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
22-Ti-47

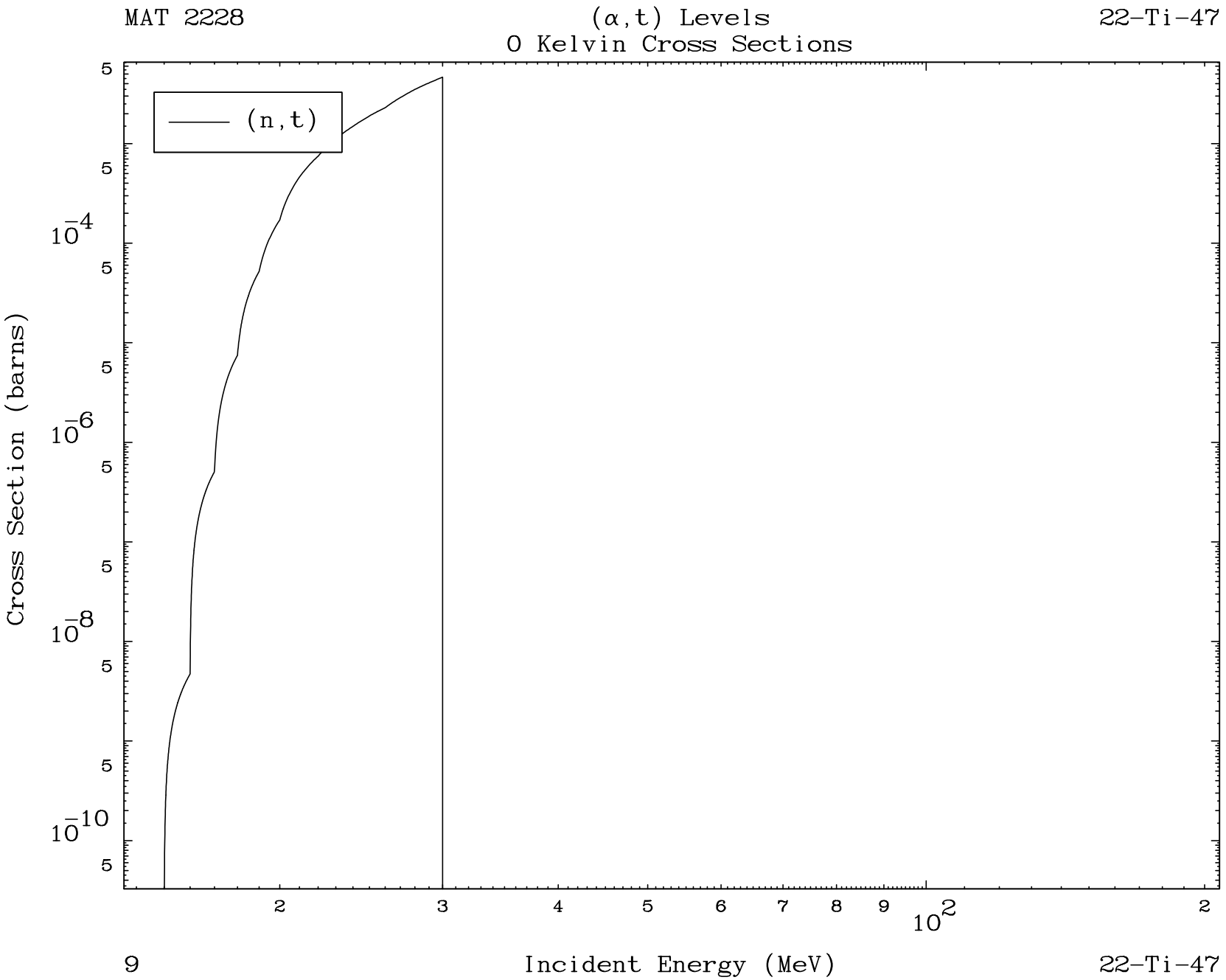

MAT 2228
α Neutron Absorption
0 Kelvin Cross Sections
22-Ti-47
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
22-Ti-47

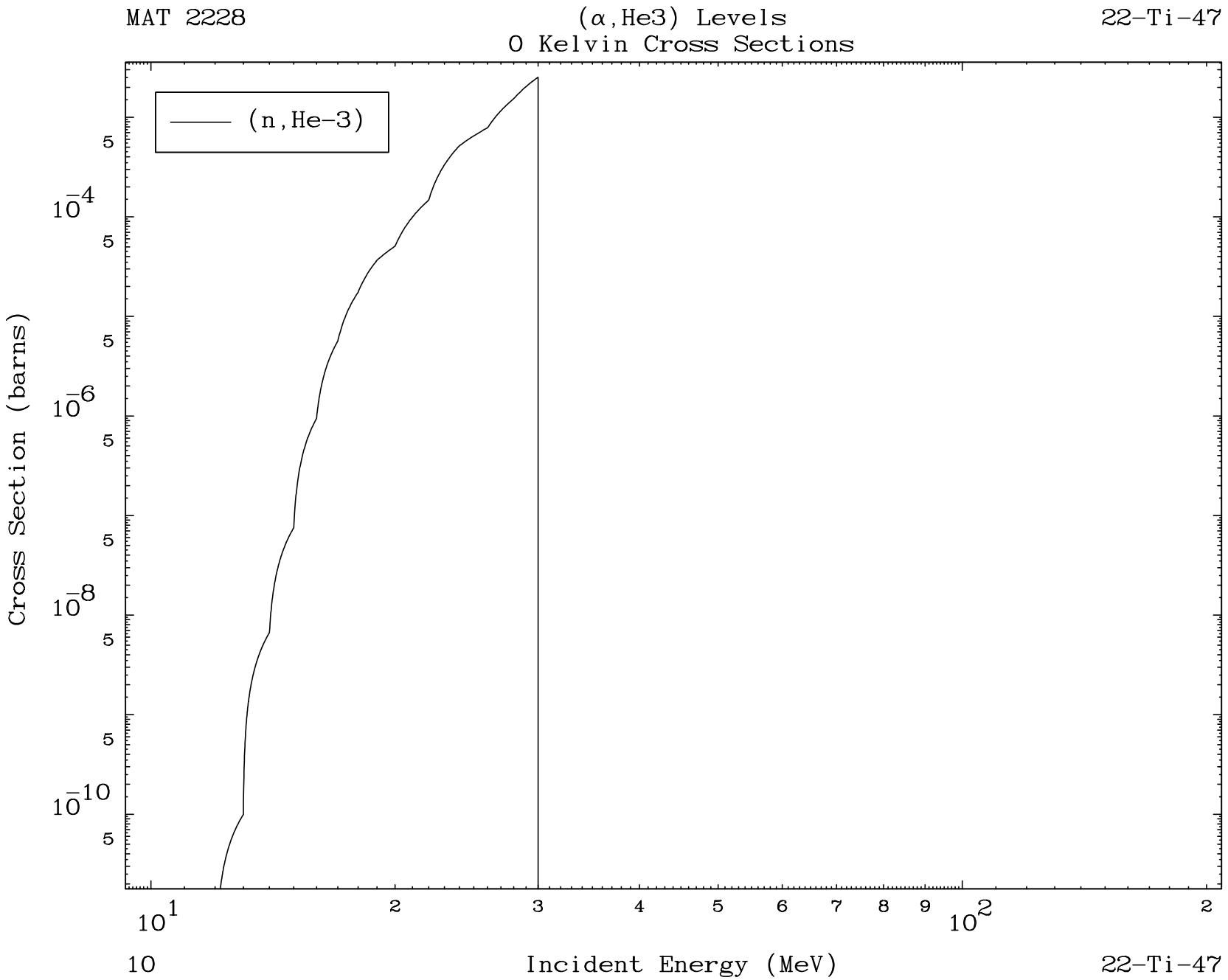

MAT 2228
α Charged Particle
0 Kelvin Cross Sections
22-Ti-47
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
22-Ti-47

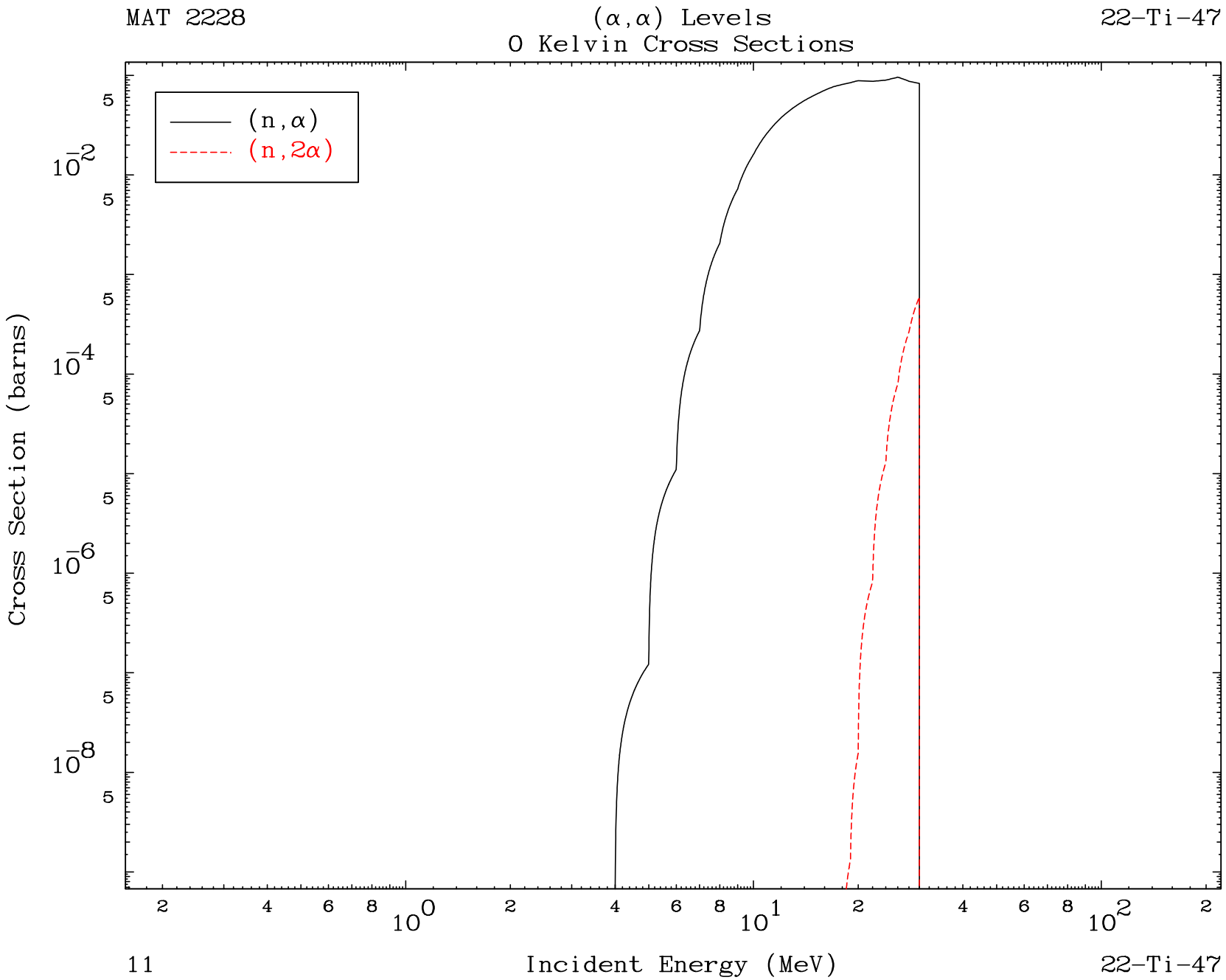

MAT 2228
α Charged Particle
0 Kelvin Cross Sections
22-Ti-47
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
22-Ti-47

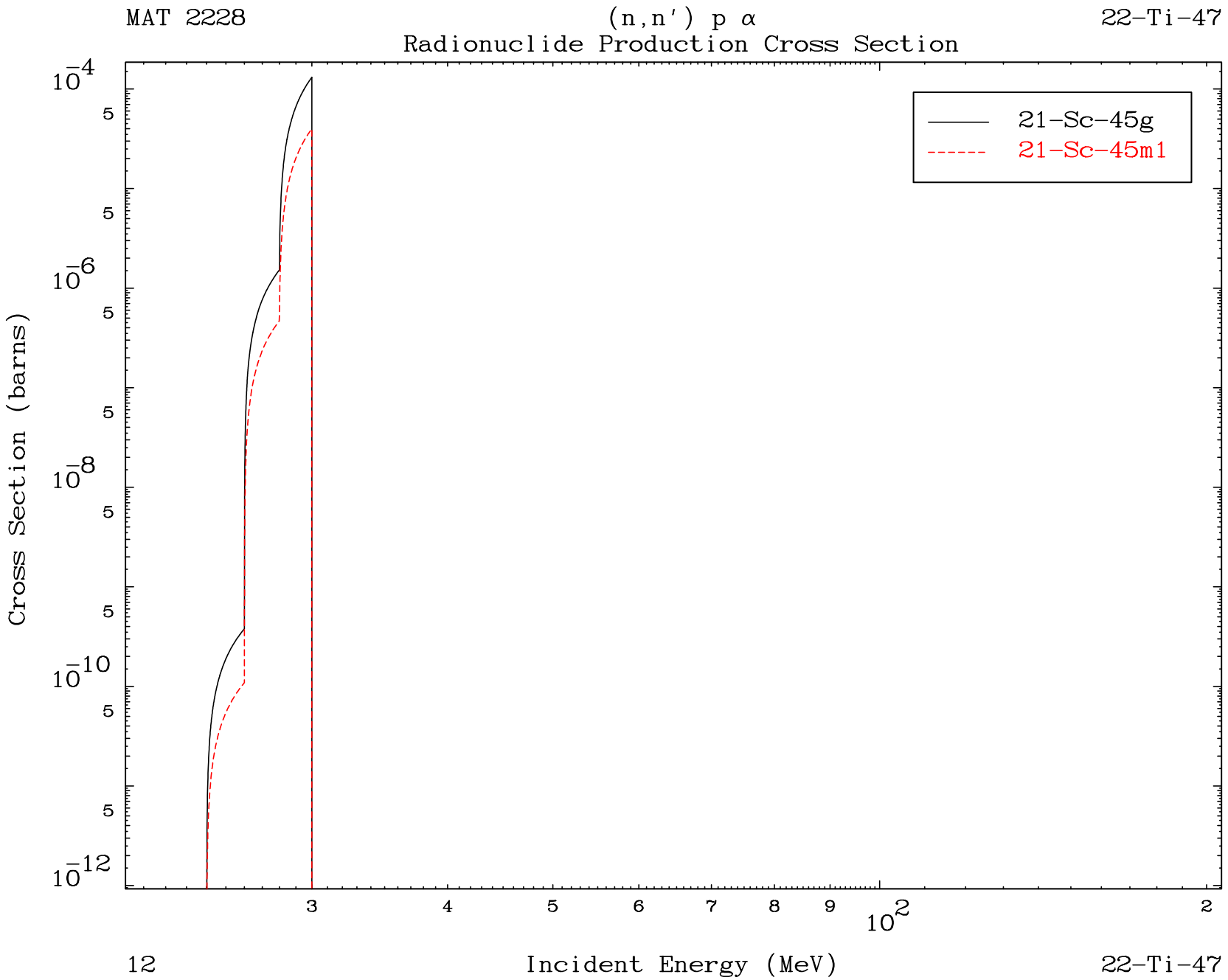

MAT 2228
(α,p) Levels
22-Ti-47
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
22-Ti-47

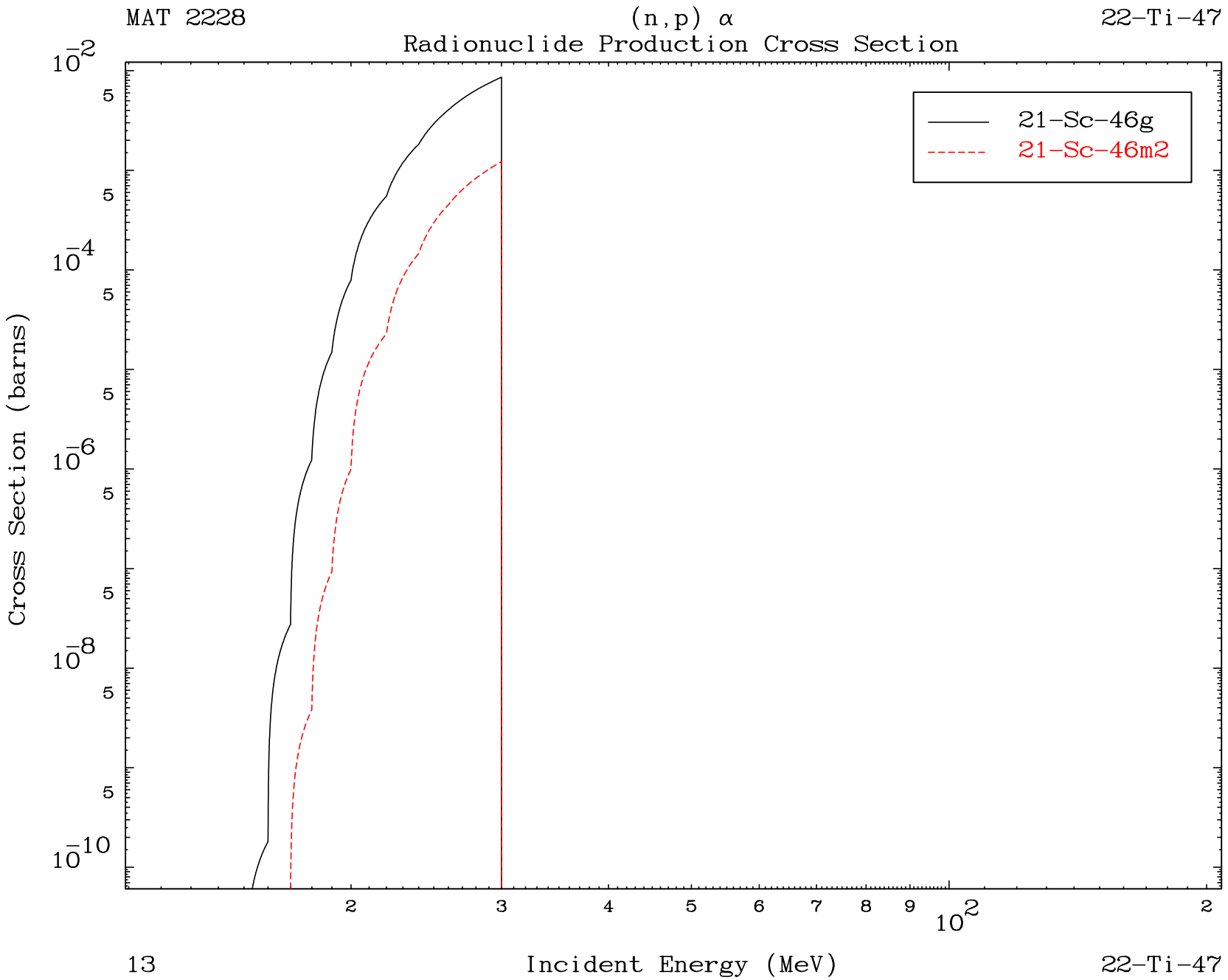

MAT 2228
(α,d) Levels
22-Ti-47
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
22-Ti-47
8

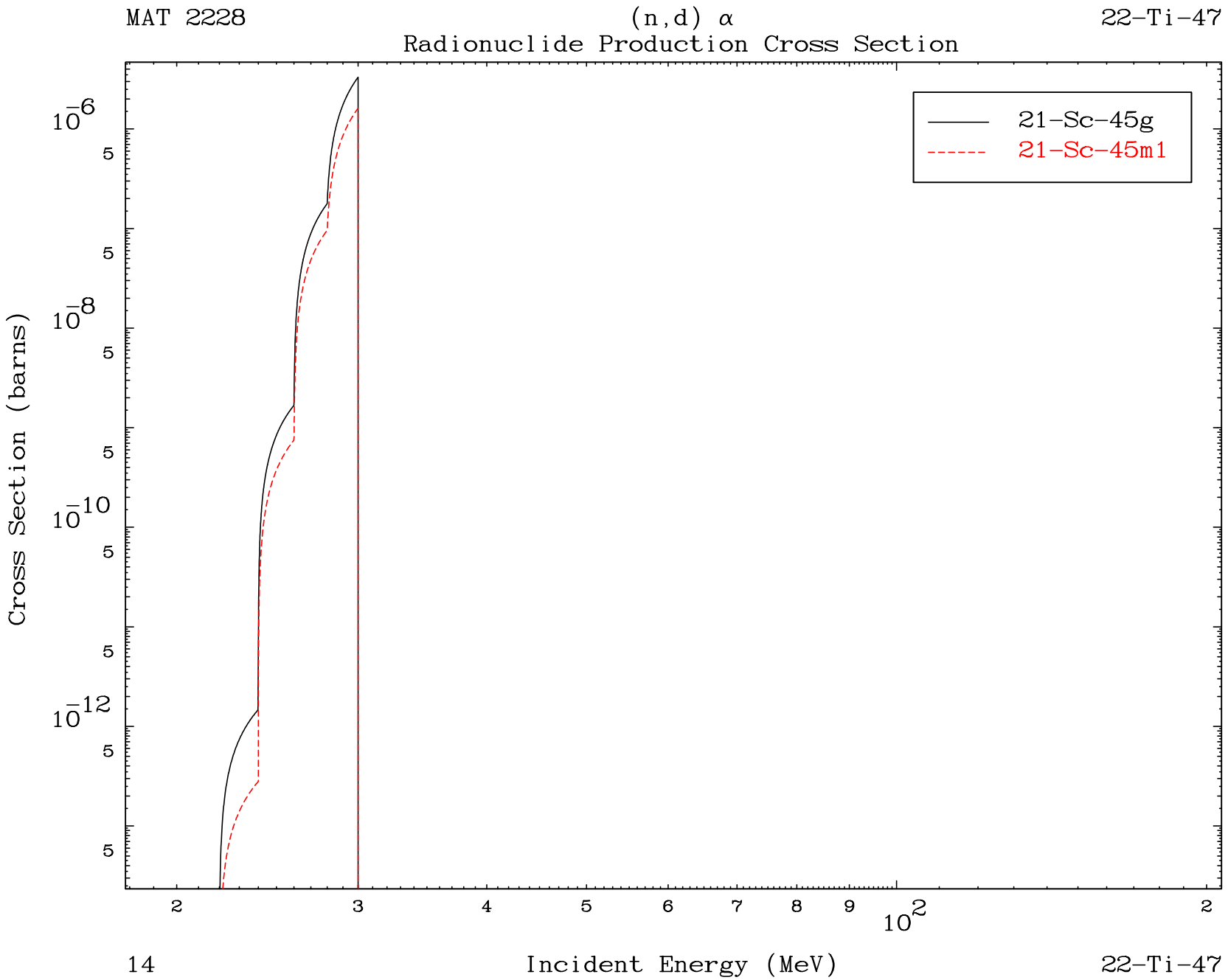

MAT 2228
(α,t) Levels
22-Ti-47
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^2
9
22-Ti-47


MAT 2228
(α,He3) Levels
22-Ti-47
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
22-Ti-47


MAT 2228
(α,α) Levels
22-Ti-47
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
100
101
102
2
4
6
8
Incident Energy (MeV)
11
22-Ti-47


MAT 2228
(n,n') p α
22-Ti-47
Radionuclide Production Cross Section
21-Sc-45g
21-Sc-45m1
Cross Section (barns)
10-4
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
22-Ti-47


MAT 2228
(n,p) α
22-Ti-47
Radionuclide Production Cross Section
21-Sc-46g
21-Sc-46m2
Cross Section (barns)
Incident Energy (MeV)
13
22-Ti-47


MAT 2228
(n,d) α
22-Ti-47
Radionuclide Production Cross Section
21-Sc-45g
21-Sc-45m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
22-Ti-47