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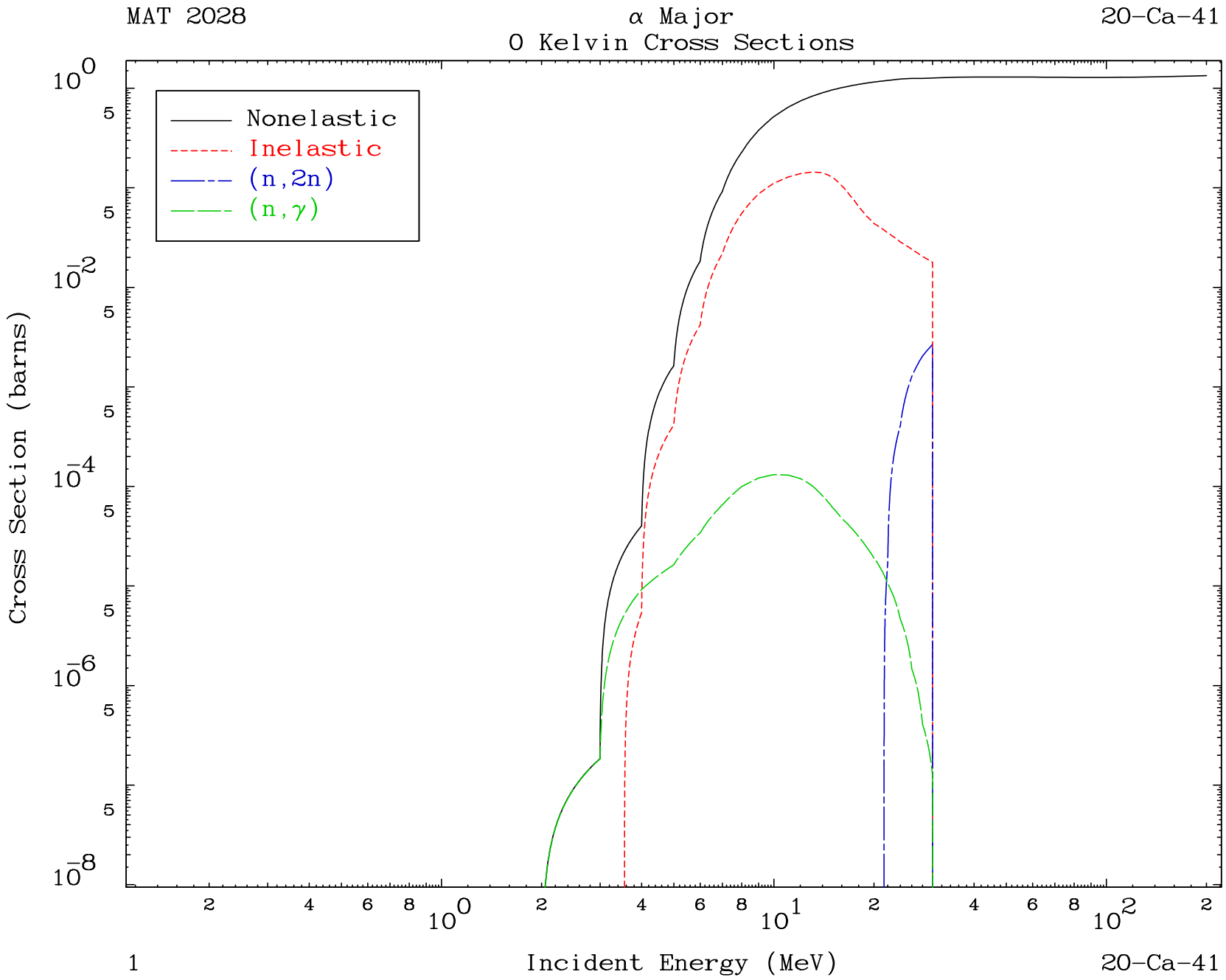
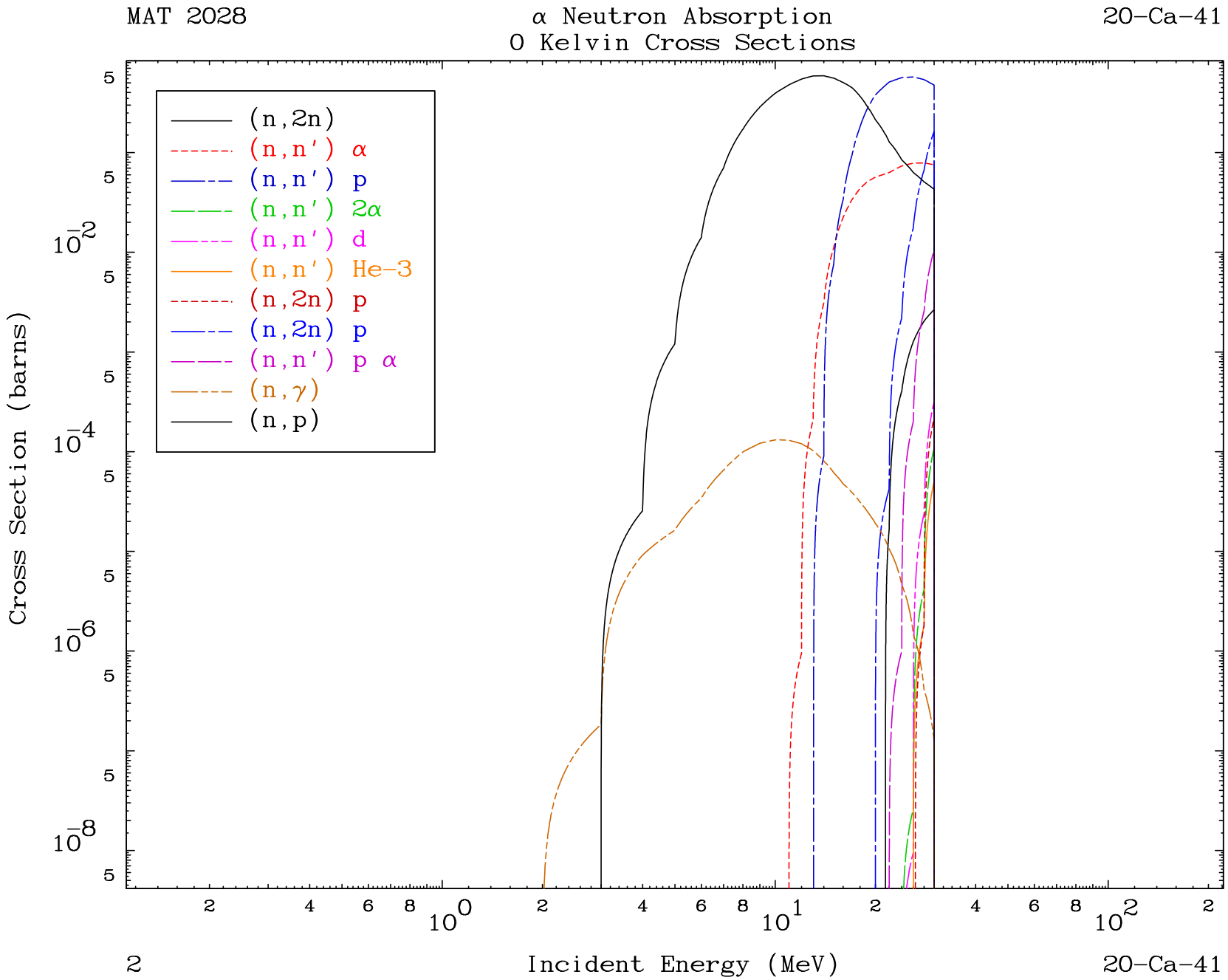
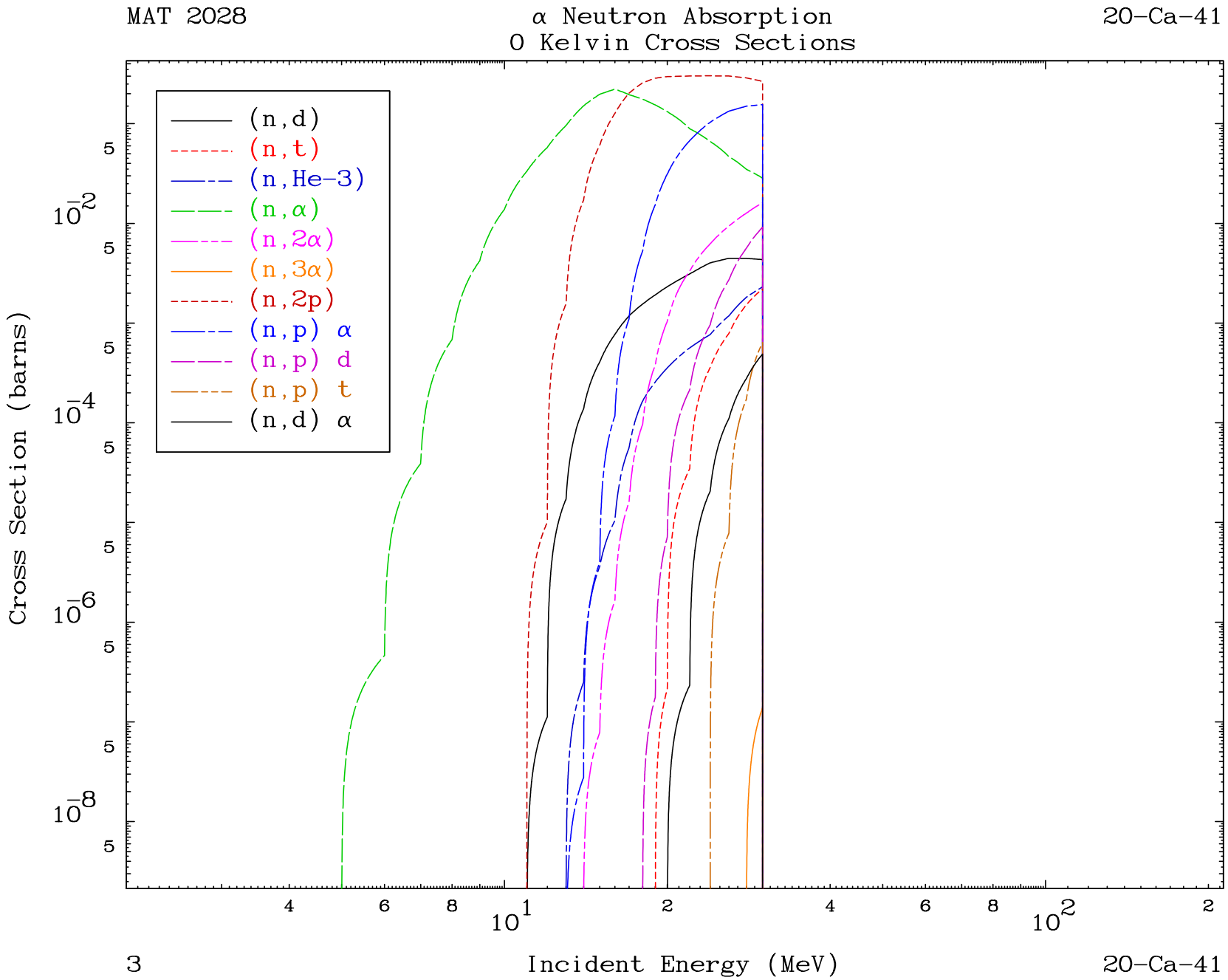
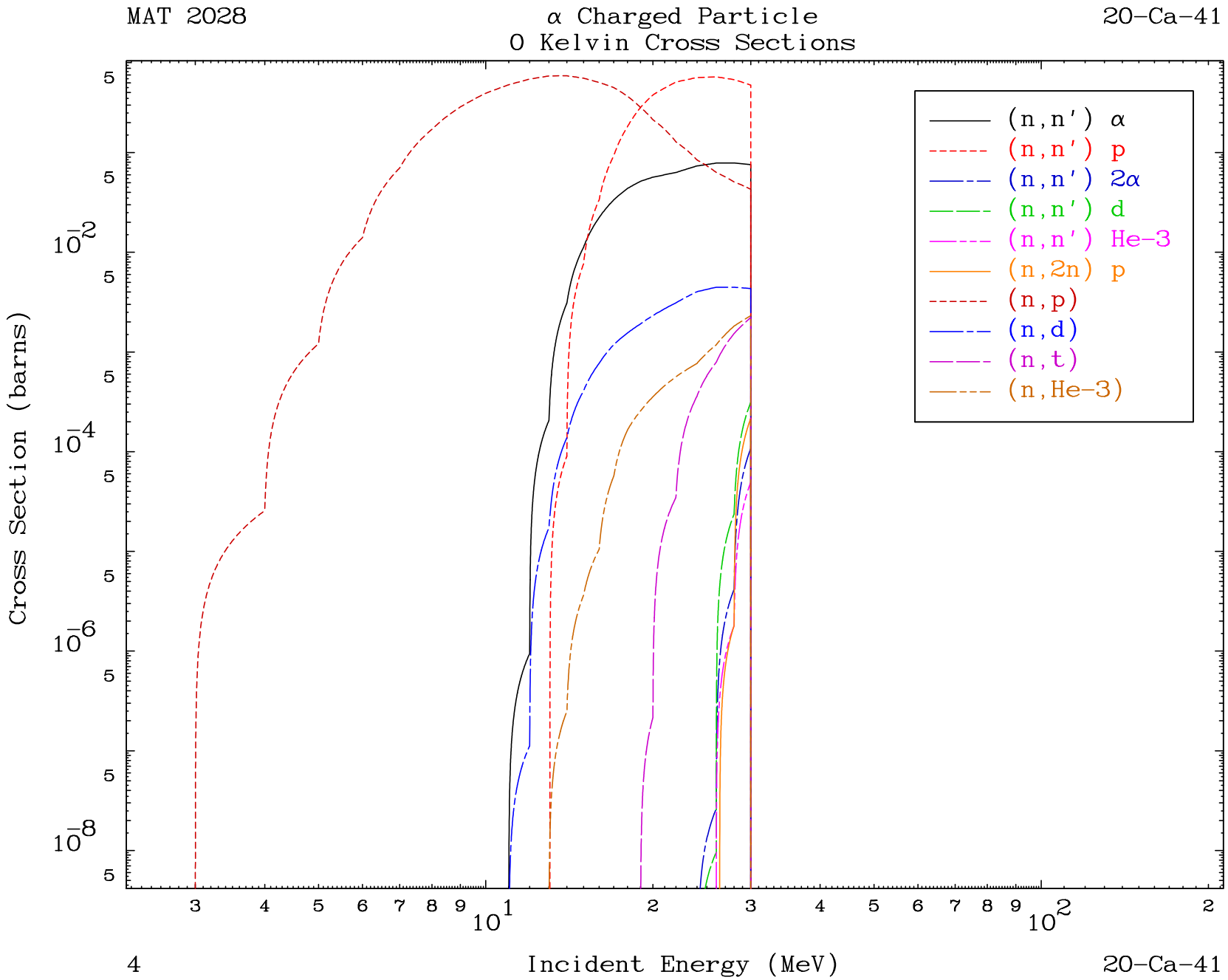
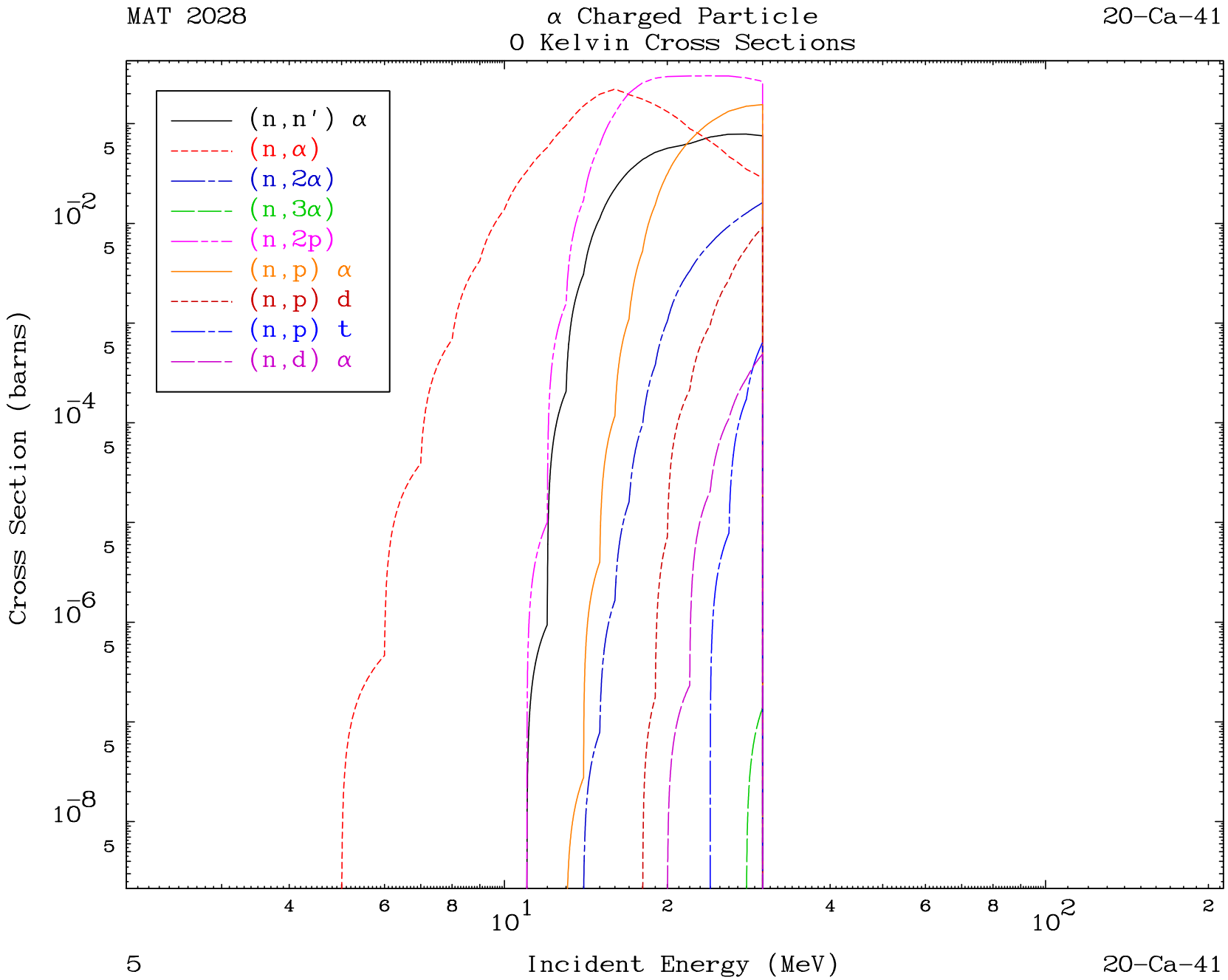
Press Mouse Button to Start

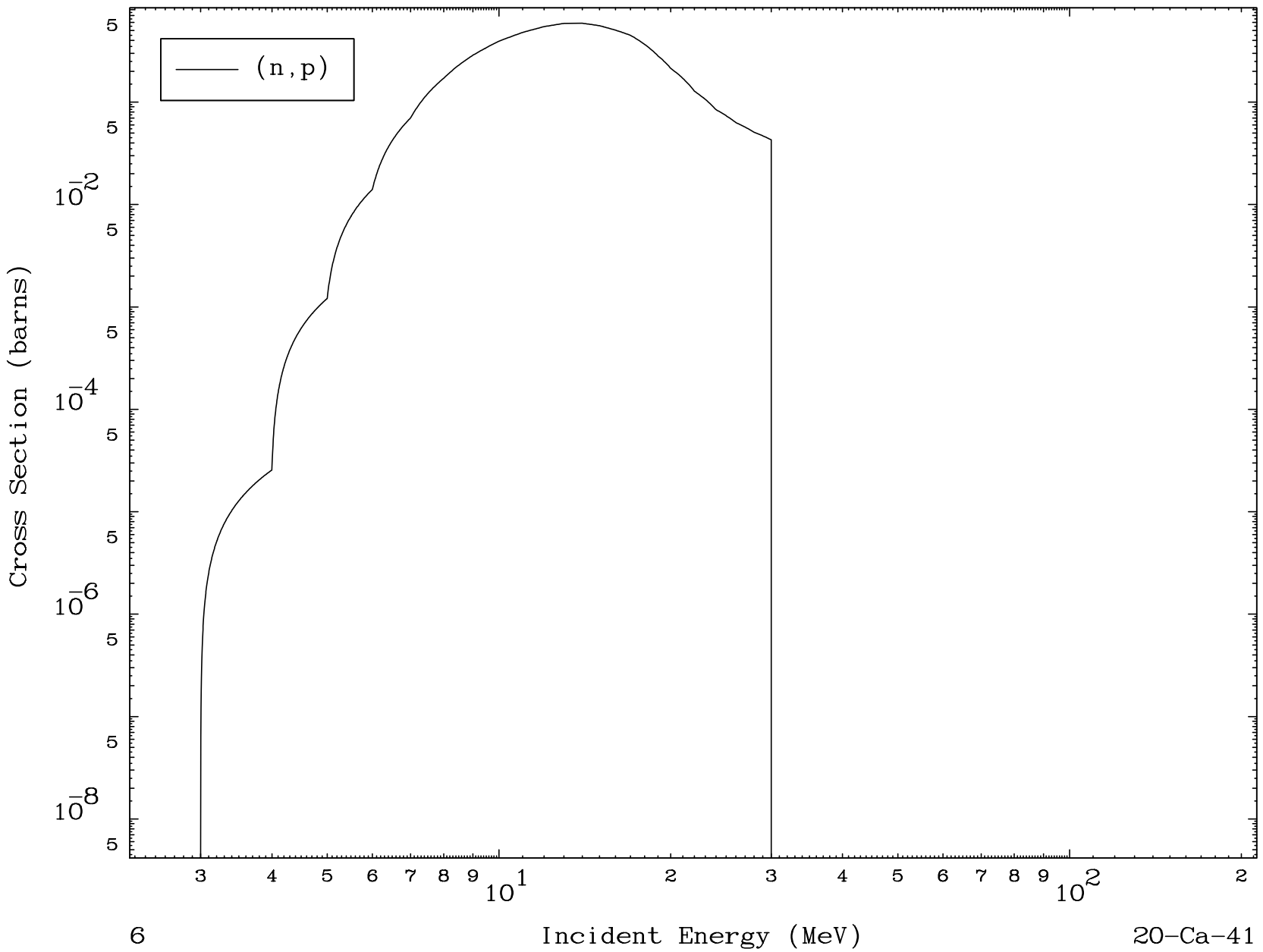

MAT 2028
α Major
20-Ca-41
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
20-Ca-41
1

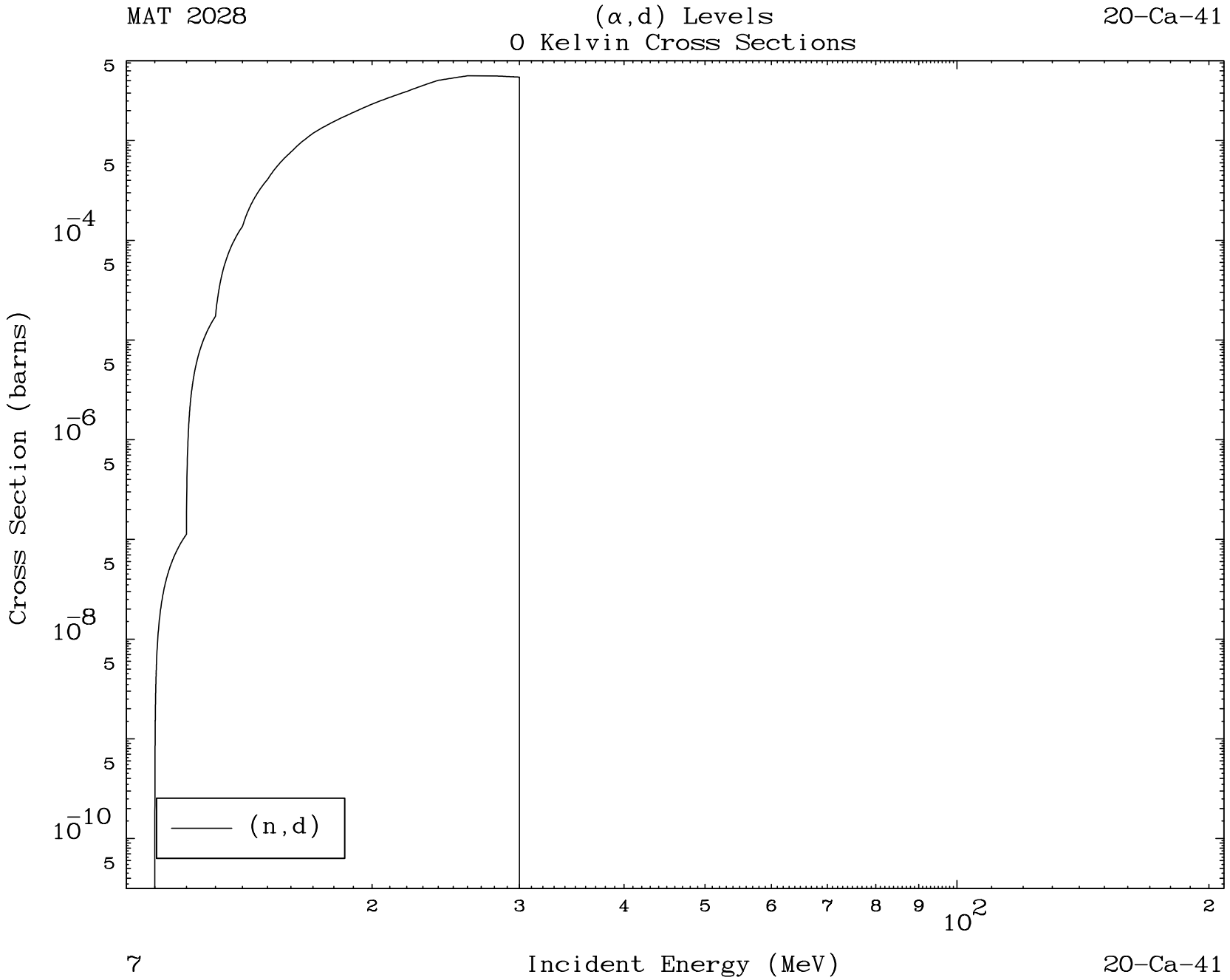

MAT 2028
α Neutron Absorption
0 Kelvin Cross Sections
20-Ca-41
(n,2n)
(n,n') α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
2
20-Ca-41

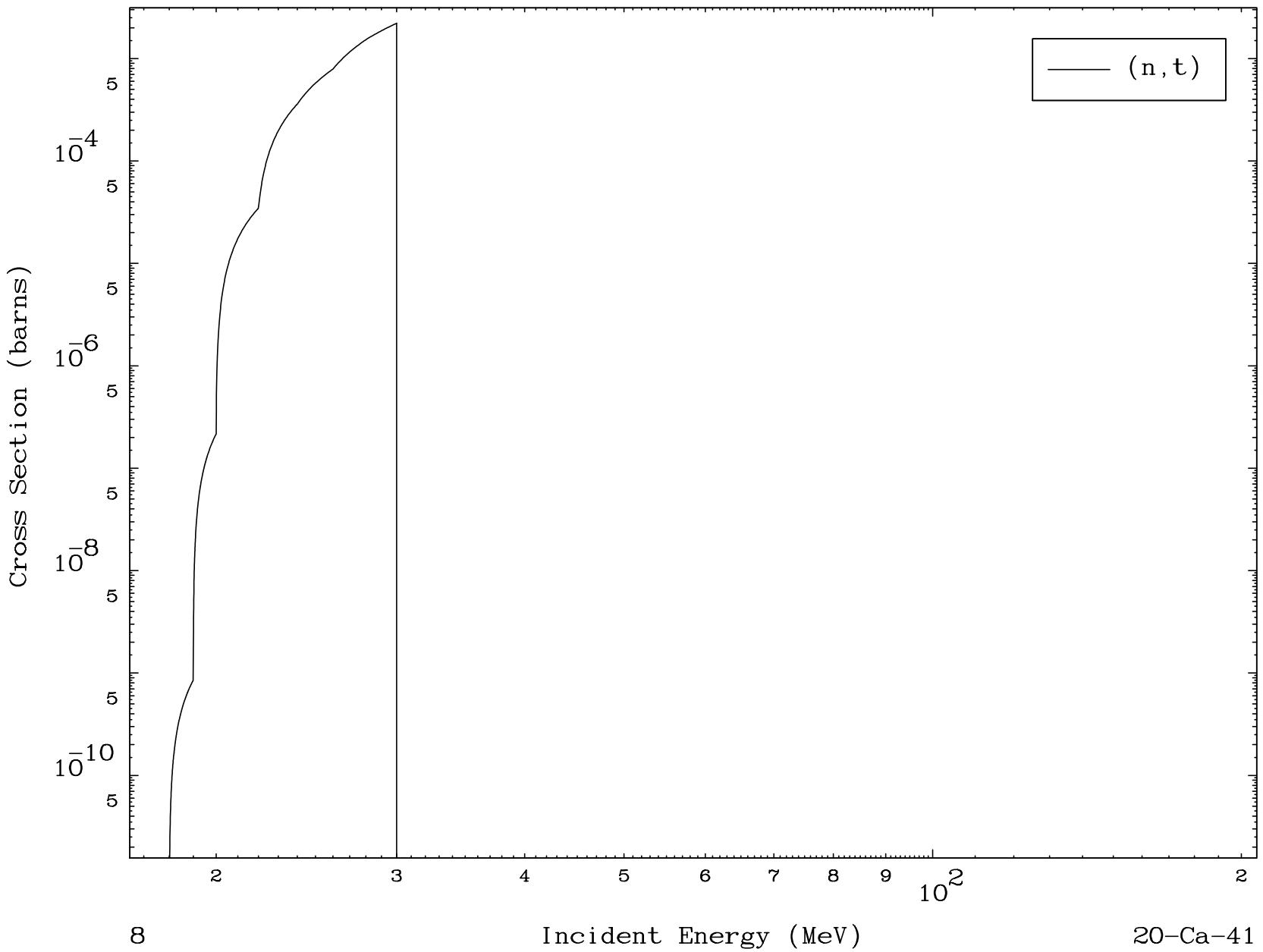

MAT 2028
α Neutron Absorption
0 Kelvin Cross Sections
20-Ca-41
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
20-Ca-41

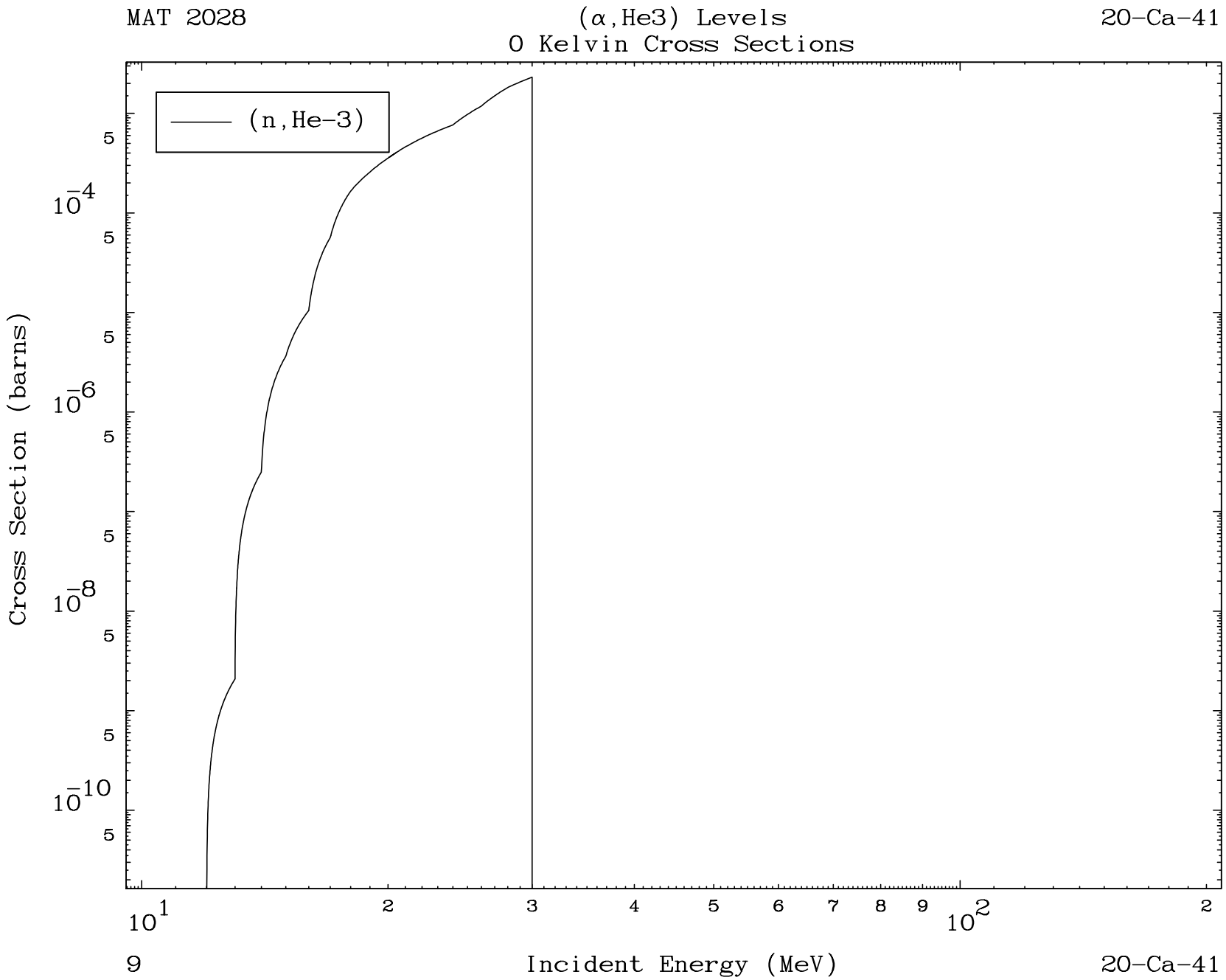

MAT 2028
α Charged Particle
0 Kelvin Cross Sections
20-Ca-41
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)


MAT 2028
α Charged Particle
0 Kelvin Cross Sections
20-Ca-41
(n,n') α
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
20-Ca-41

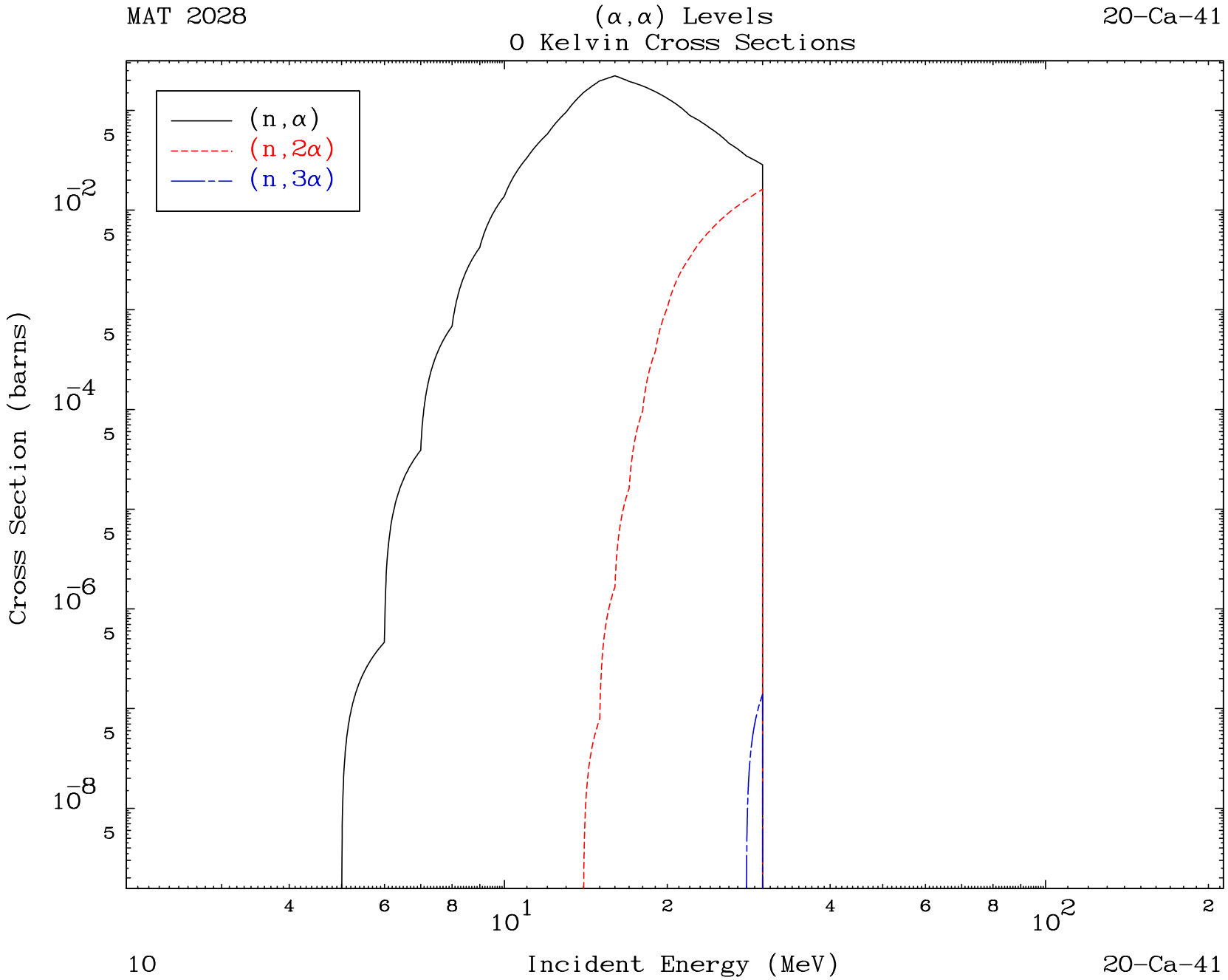

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^1
10^2
Incident Energy (MeV)

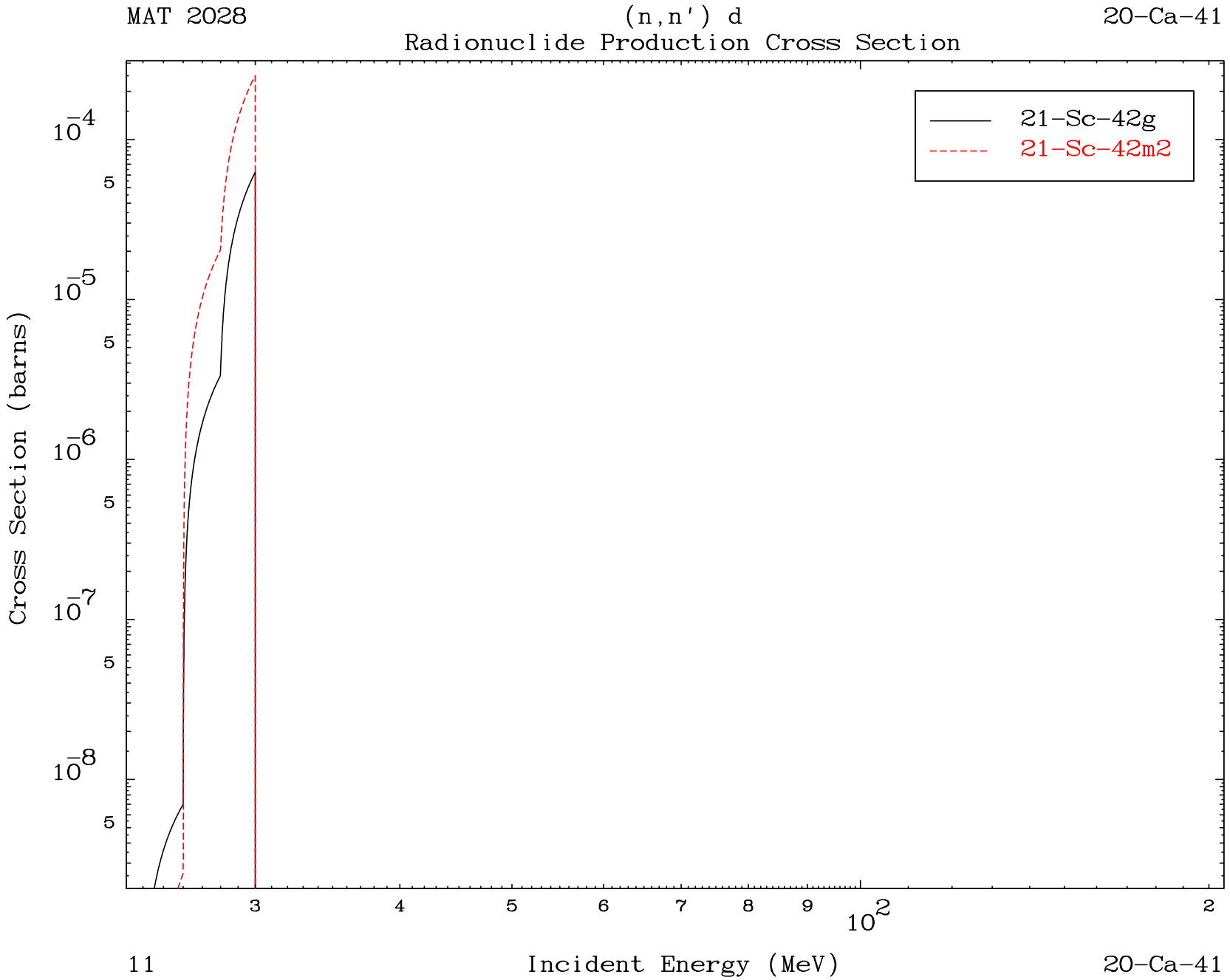

MAT 2028
(α,d) Levels
20-Ca-41
0 Kelvin Cross Sections
Cross Section (barns)
10-4
10-6
10-8
10-10
(n,d)
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
7
20-Ca-41

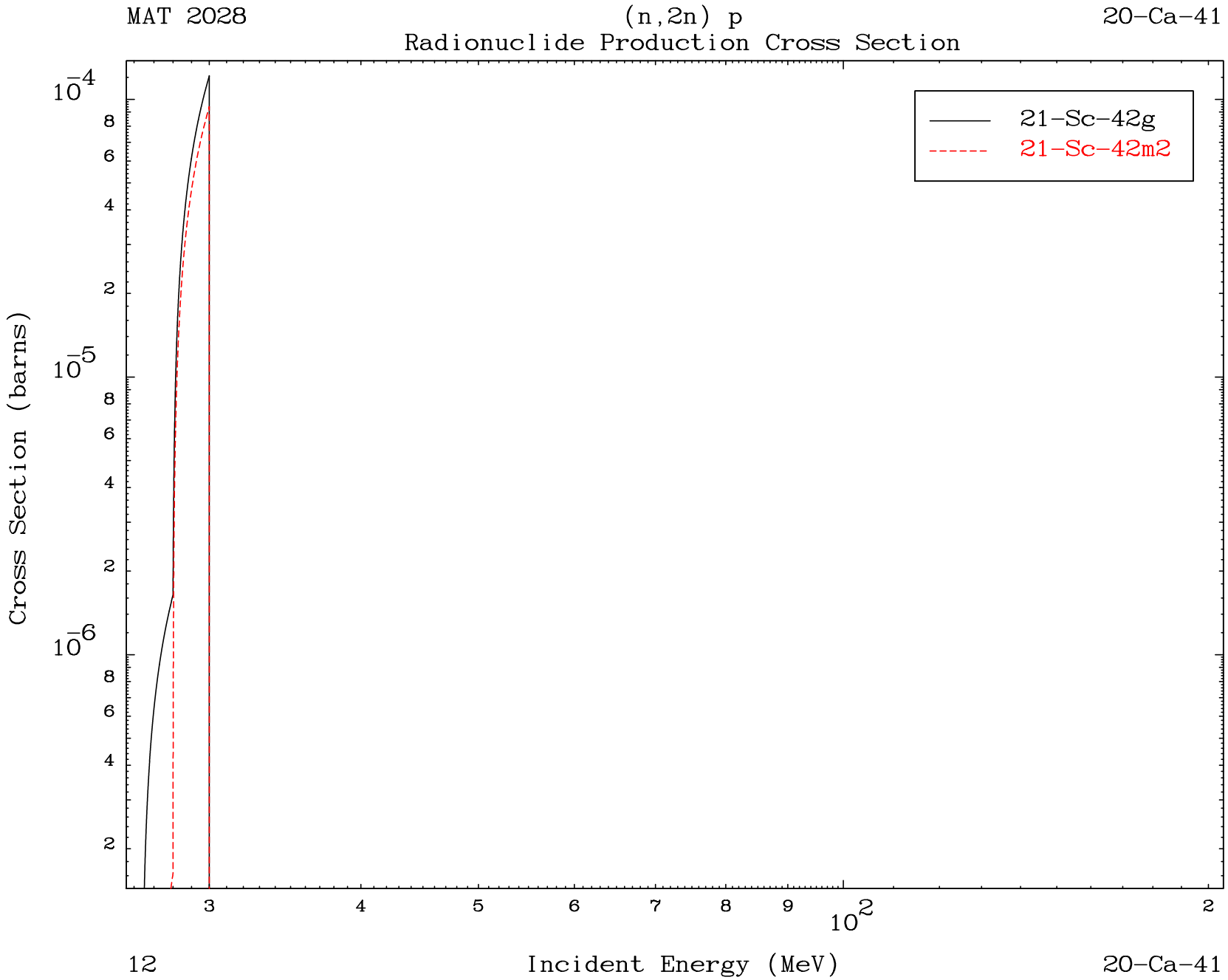

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

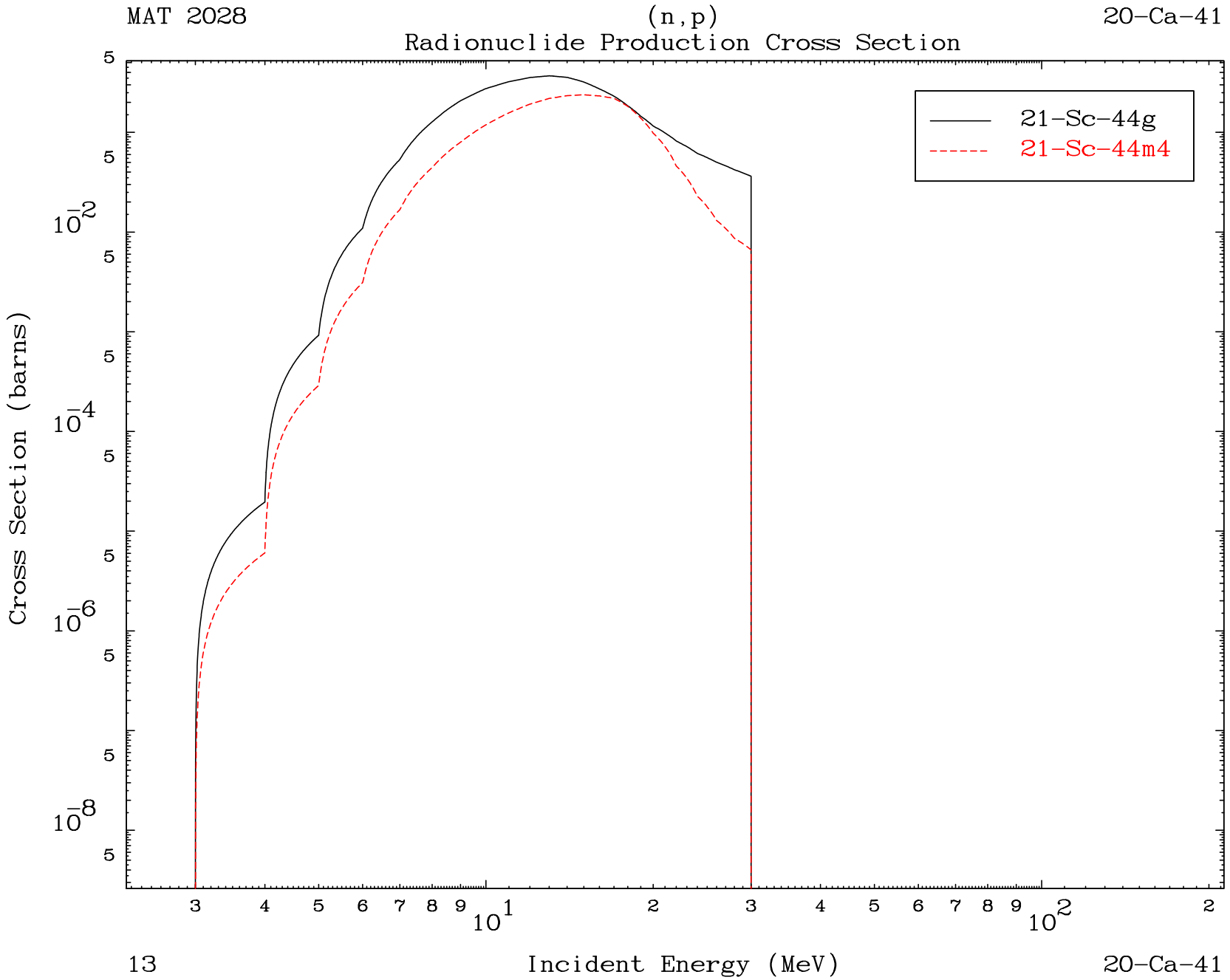

MAT 2028
(α,He3) Levels
20-Ca-41
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
Incident Energy (MeV)
10^1
10^2
2
3
4
5
6
7
8
9

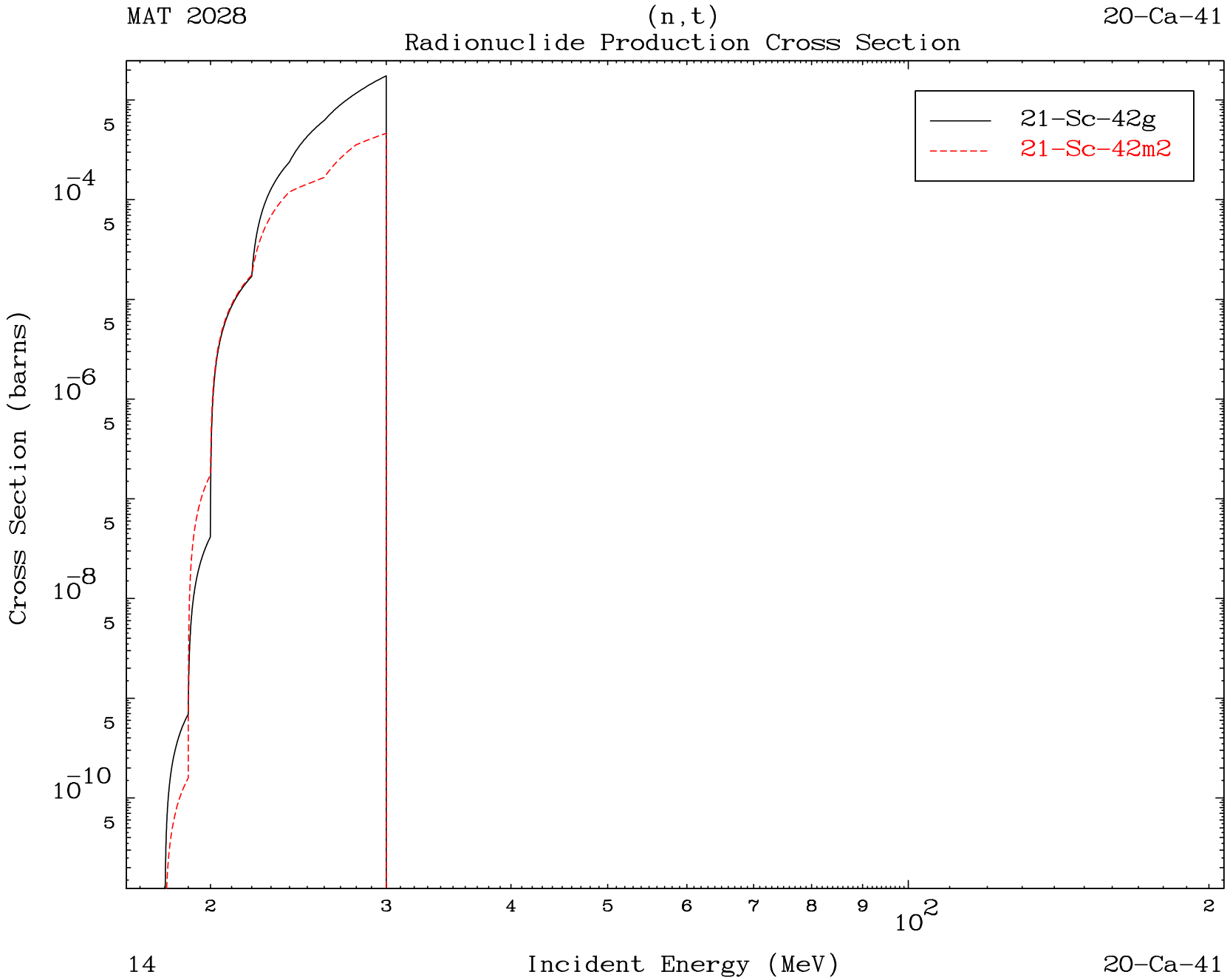
20-Ca-41


MAT 2028
(α,α) Levels
20-Ca-41
0 Kelvin Cross Sections
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
10
Incident Energy (MeV)
20-Ca-41


MAT 2028
(n,n') d
20-Ca-41
Radionuclide Production Cross Section
21-Sc-42g
21-Sc-42m2
Cross Section (barns)
10-4
5
10-5
5
10-6
5
10-7
5
10-8
5
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
20-Ca-41


MAT 2028
(n,2n) p
20-Ca-41
Radionuclide Production Cross Section
21-Sc-42g
21-Sc-42m2
Cross Section (barns)
Incident Energy (MeV)
12
20-Ca-41


MAT 2028
(n,p)
20-Ca-41
Radionuclide Production Cross Section
21-Sc-44g
21-Sc-44m4
Cross Section (barns)
Incident Energy (MeV)
13
20-Ca-41


MAT 2028
(n,t)
20-Ca-41
Radionuclide Production Cross Section
21-Sc-42g
21-Sc-42m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
6
7
8
9
10 2
14
Incident Energy (MeV)
20-Ca-41