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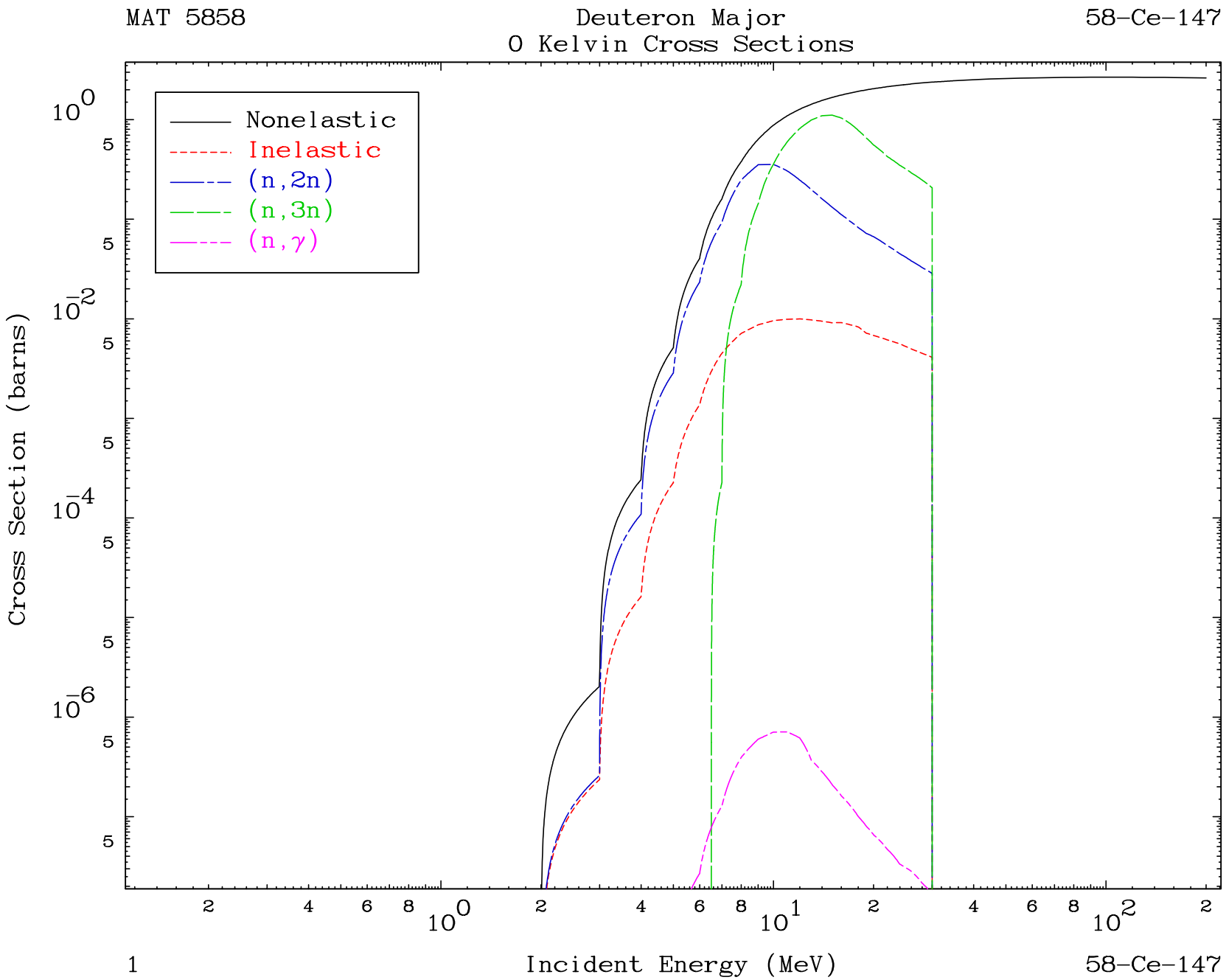
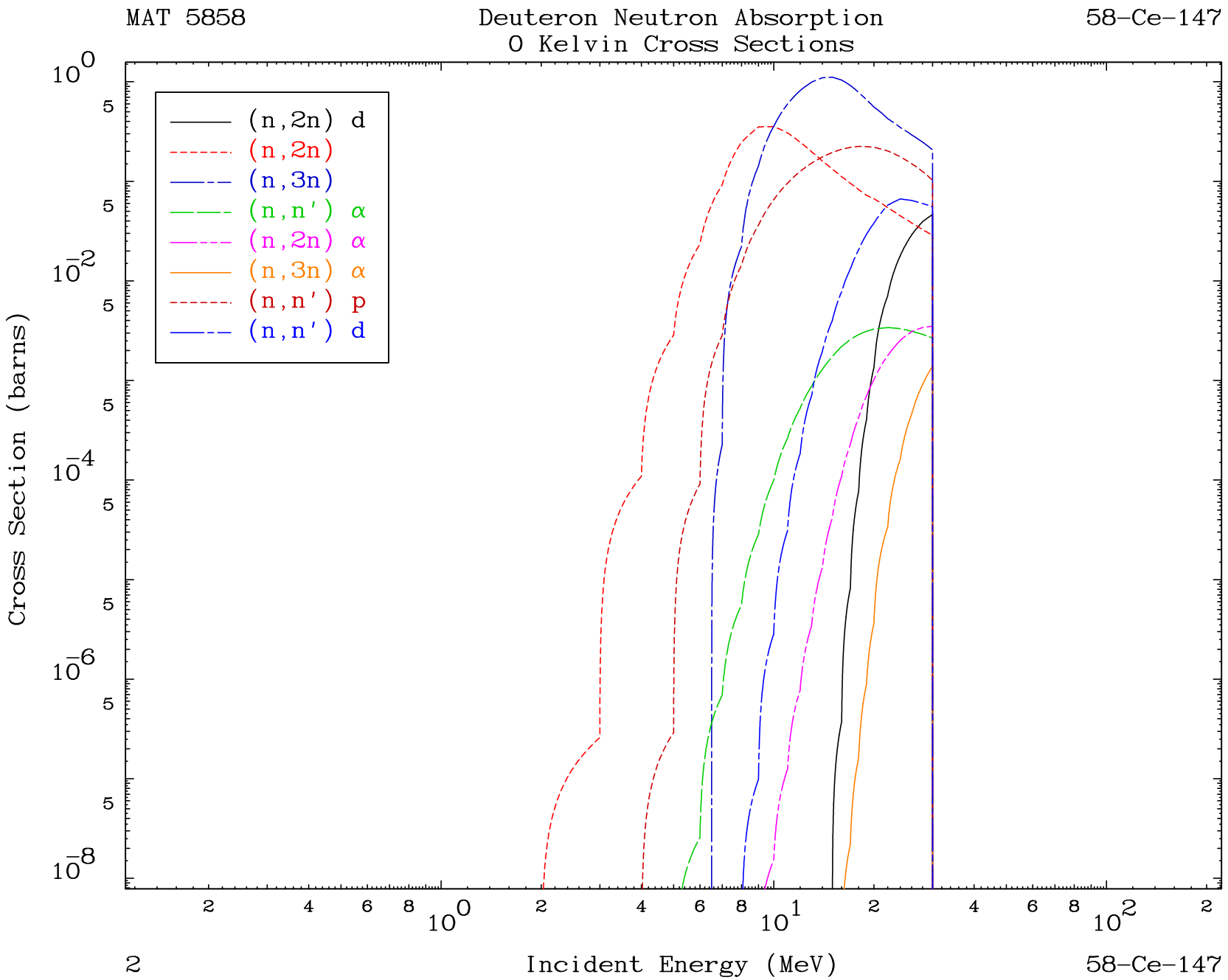
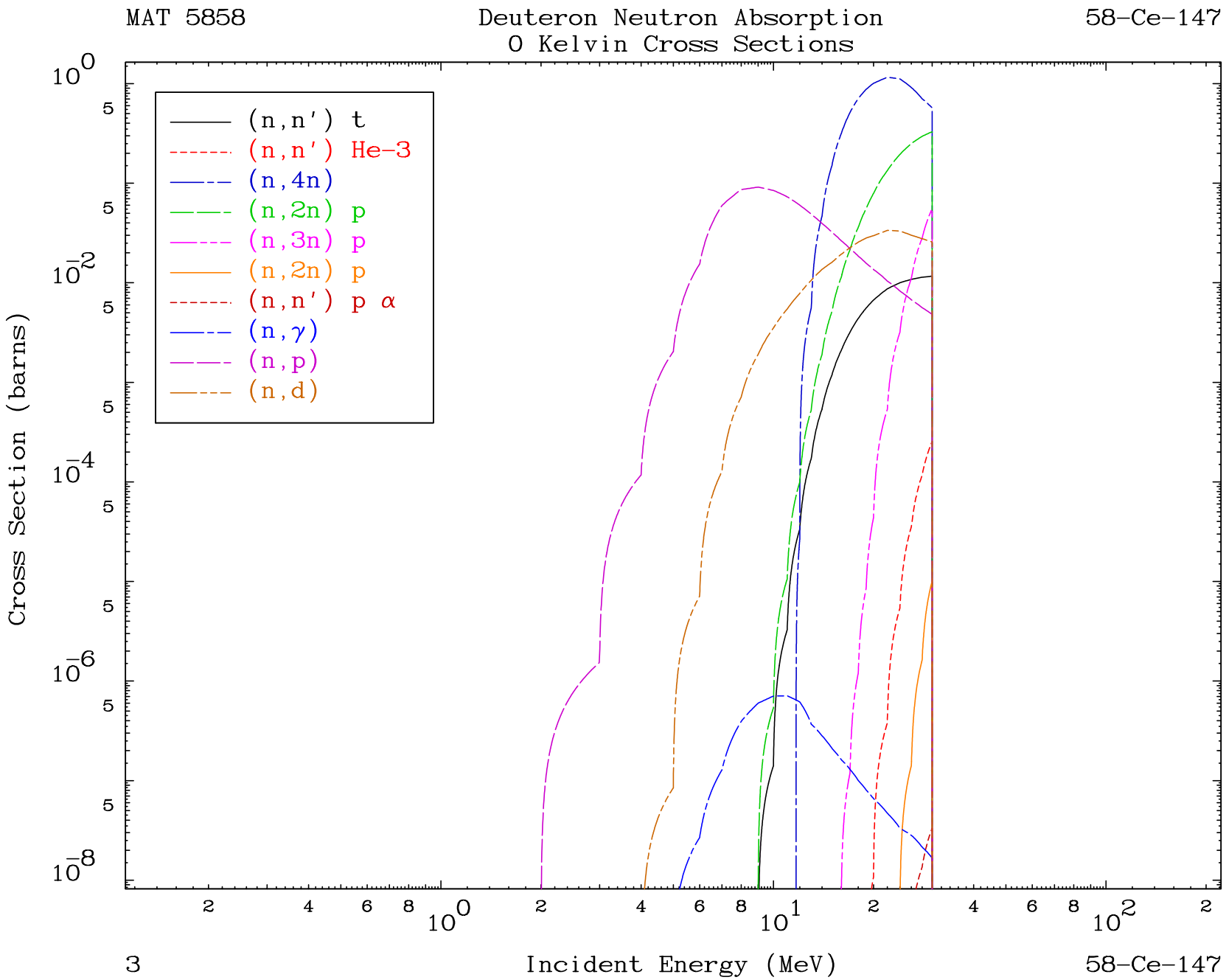
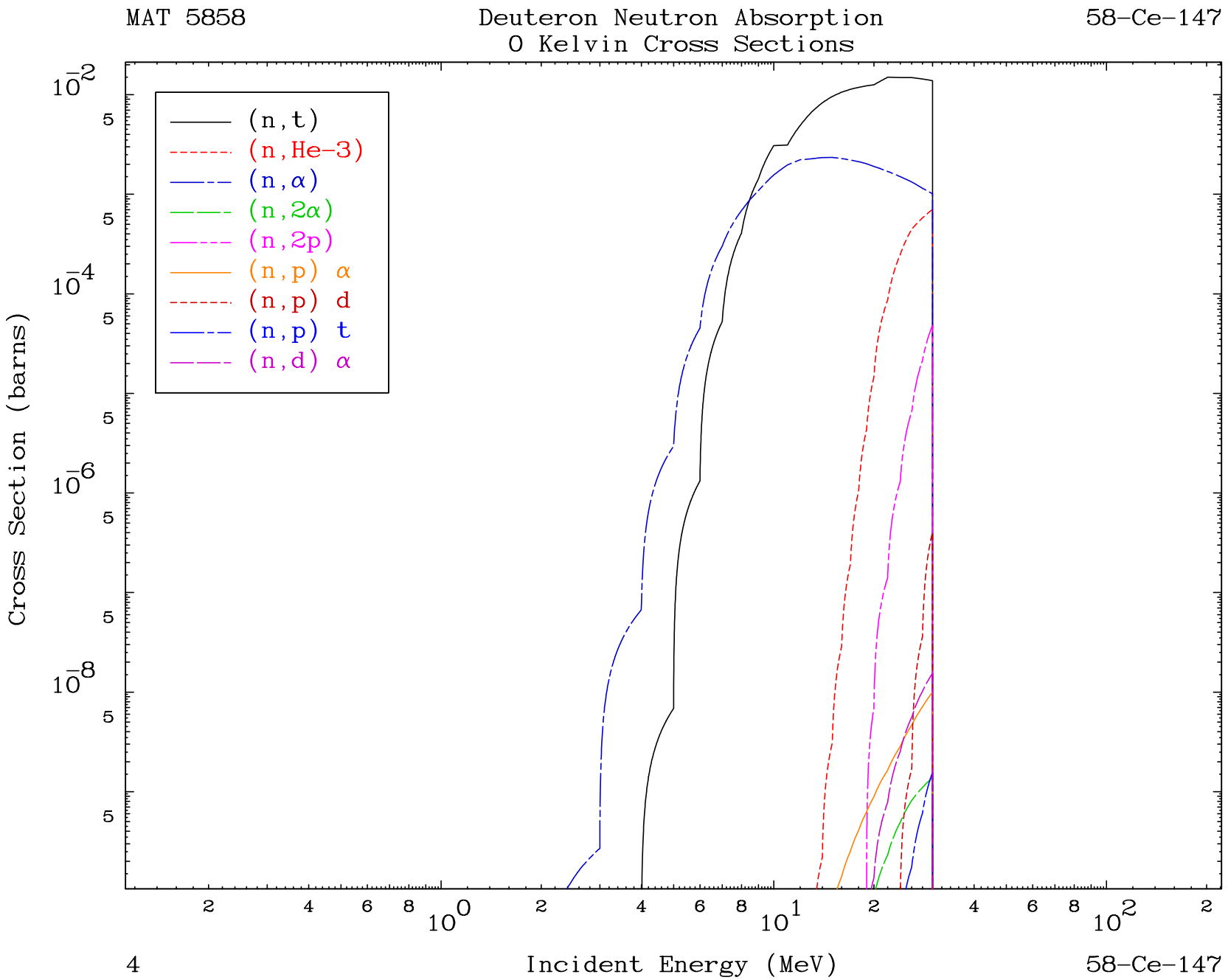
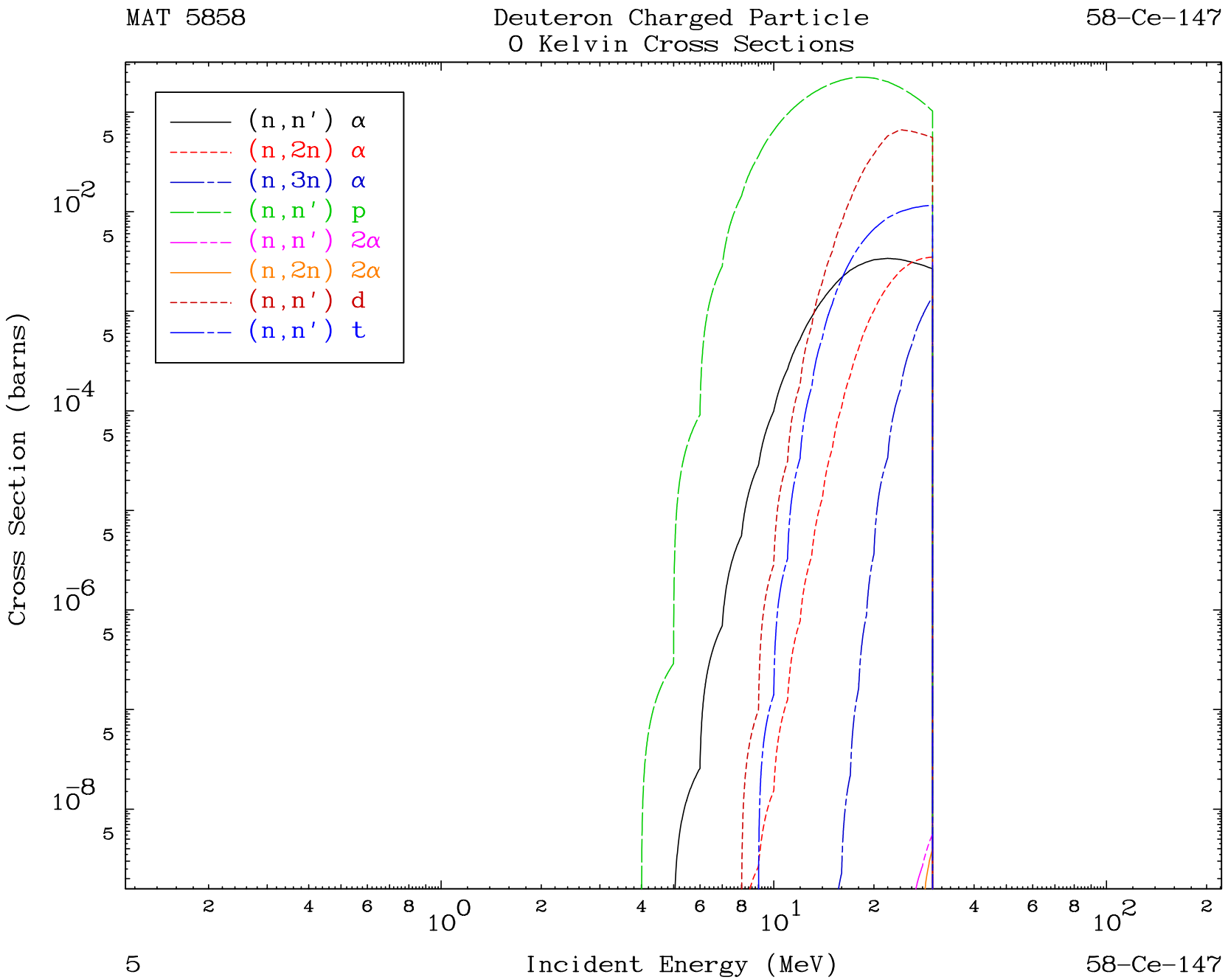
Press Mouse Button to Start

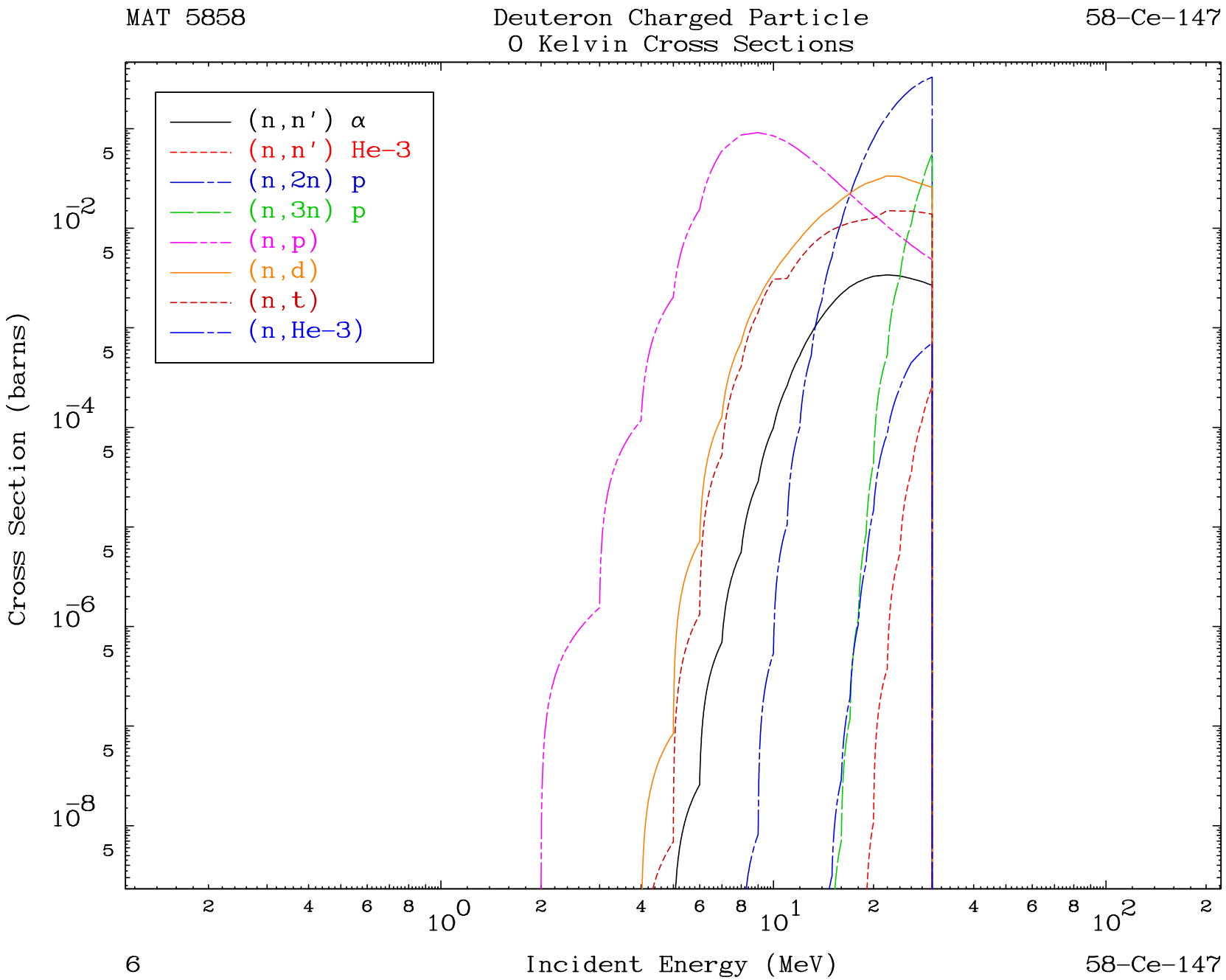

MAT 5858
Deuteron Major
58-Ce-147
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-147
1

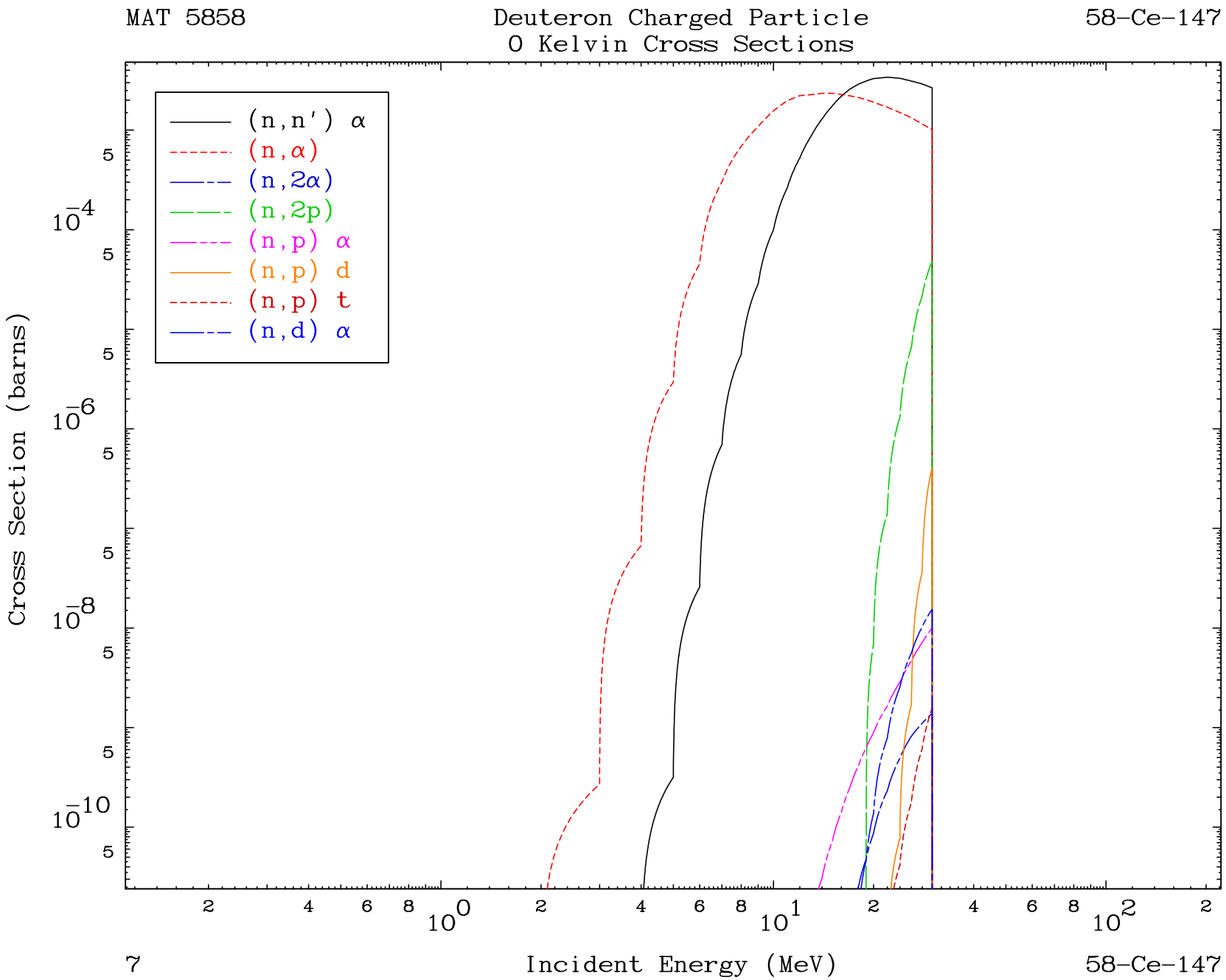

MAT 5858
Deuteron Neutron Absorption
0 Kelvin Cross Sections
58-Ce-147
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
58-Ce-147
2

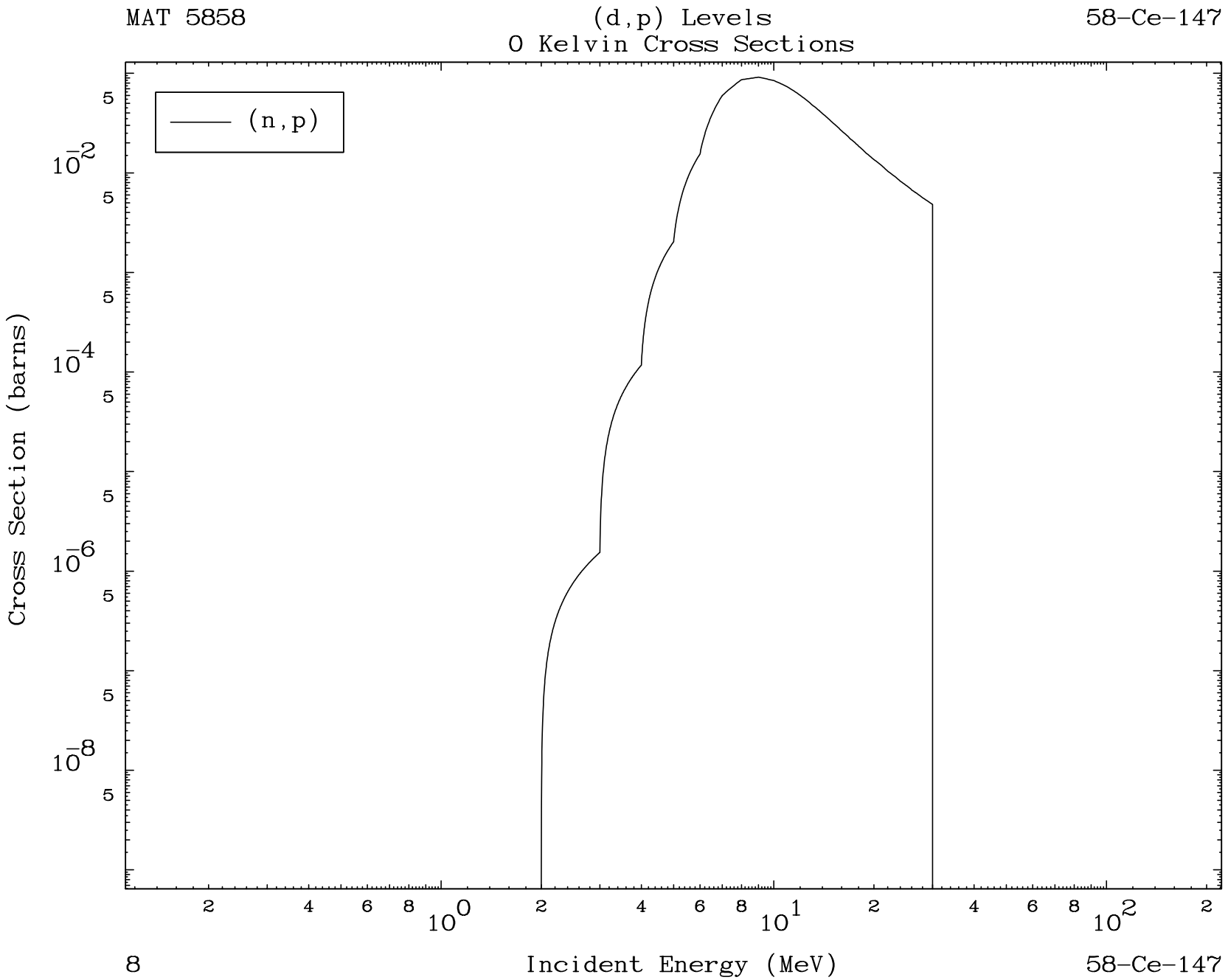

MAT 5858
Deuteron Neutron Absorption
0 Kelvin Cross Sections
58-Ce-147
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
58-Ce-147

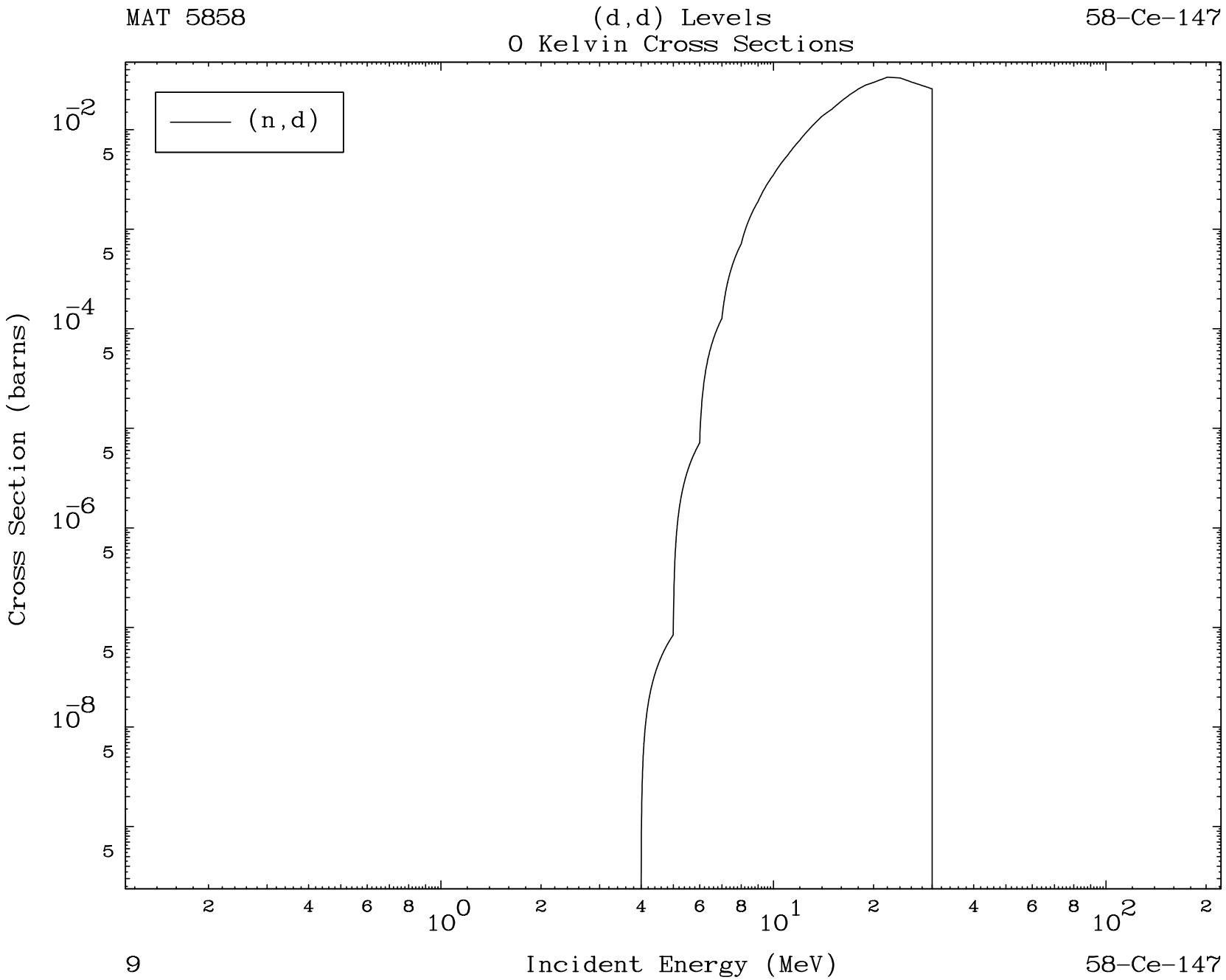

MAT 5858
Deuteron Neutron Absorption
0 Kelvin Cross Sections
58-Ce-147
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
58-Ce-147

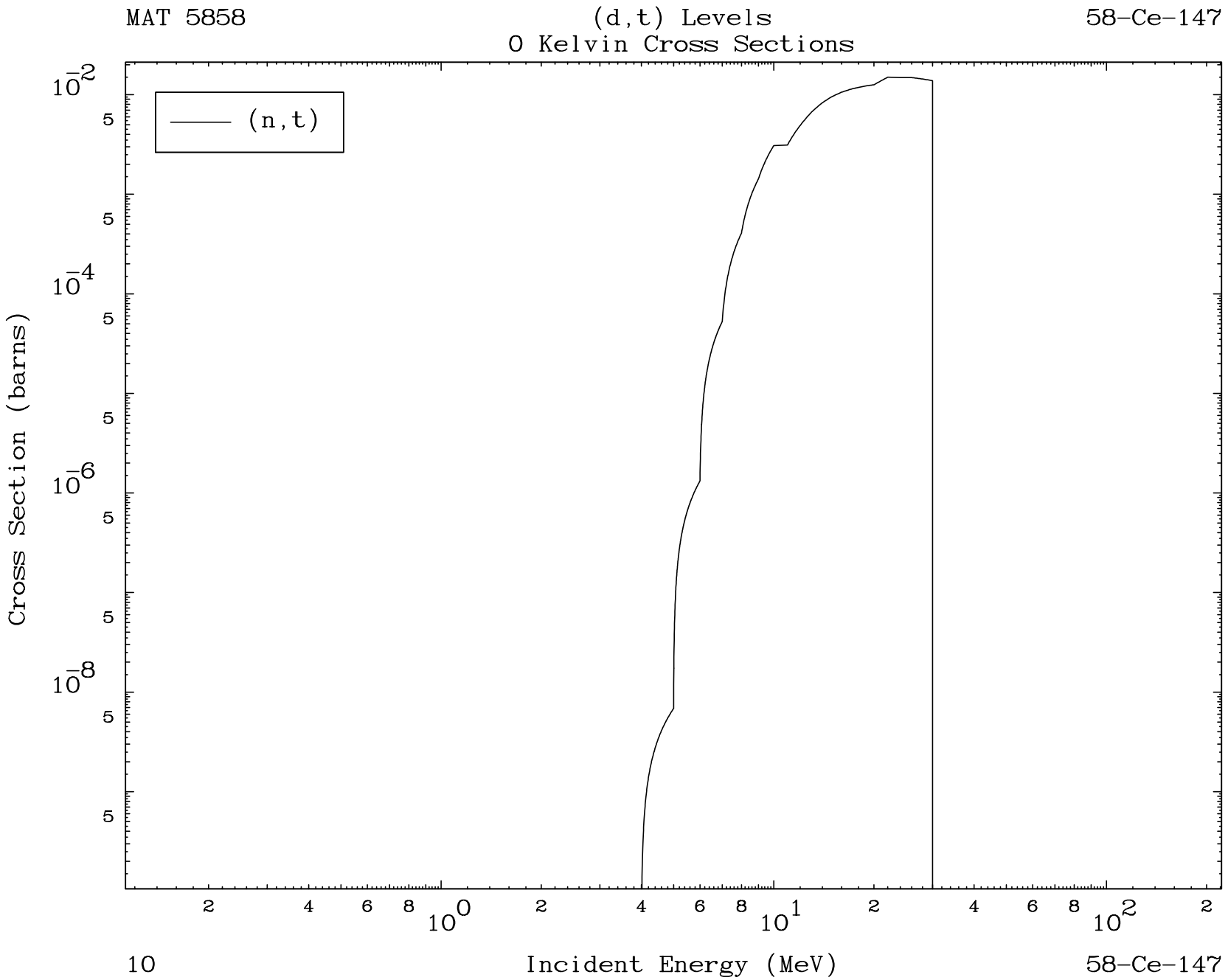

MAT 5858
Deuteron Charged Particle
0 Kelvin Cross Sections
58-Ce-147
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
58-Ce-147
5

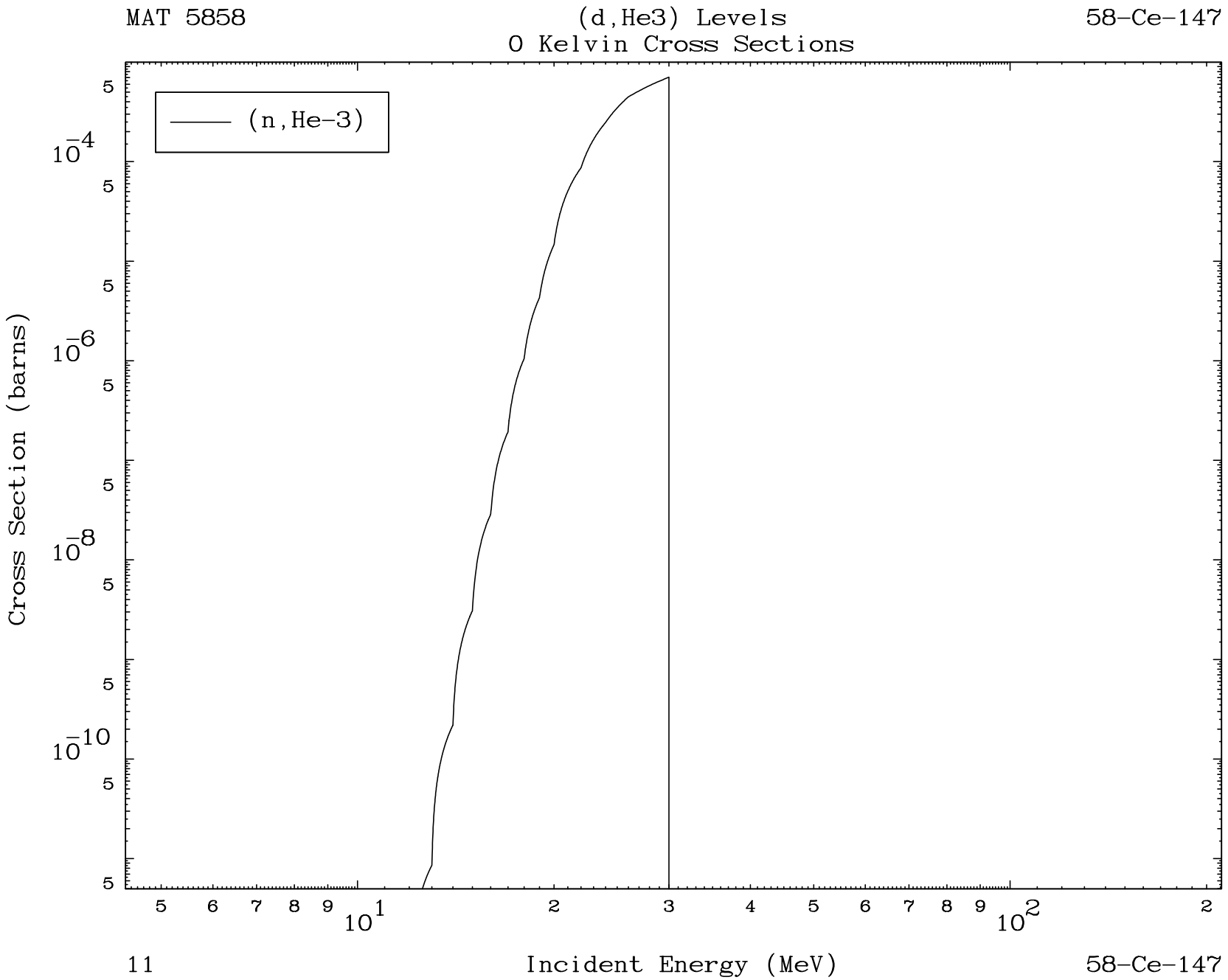

MAT 5858
Deuteron Charged Particle
0 Kelvin Cross Sections
58-Ce-147
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
58-Ce-147

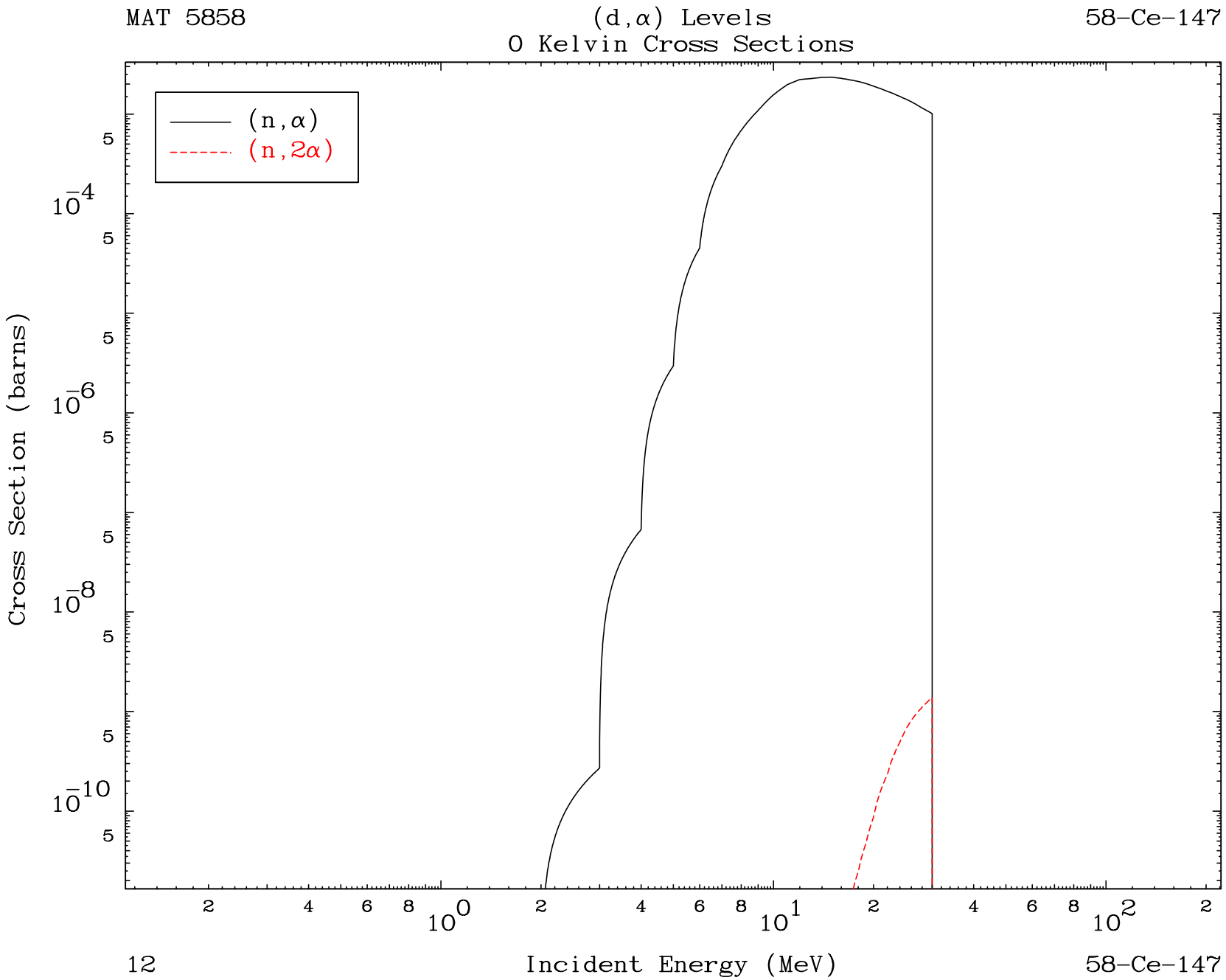

MAT 5858
Deuteron Charged Particle
0 Kelvin Cross Sections
58-Ce-147
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
58-Ce-147

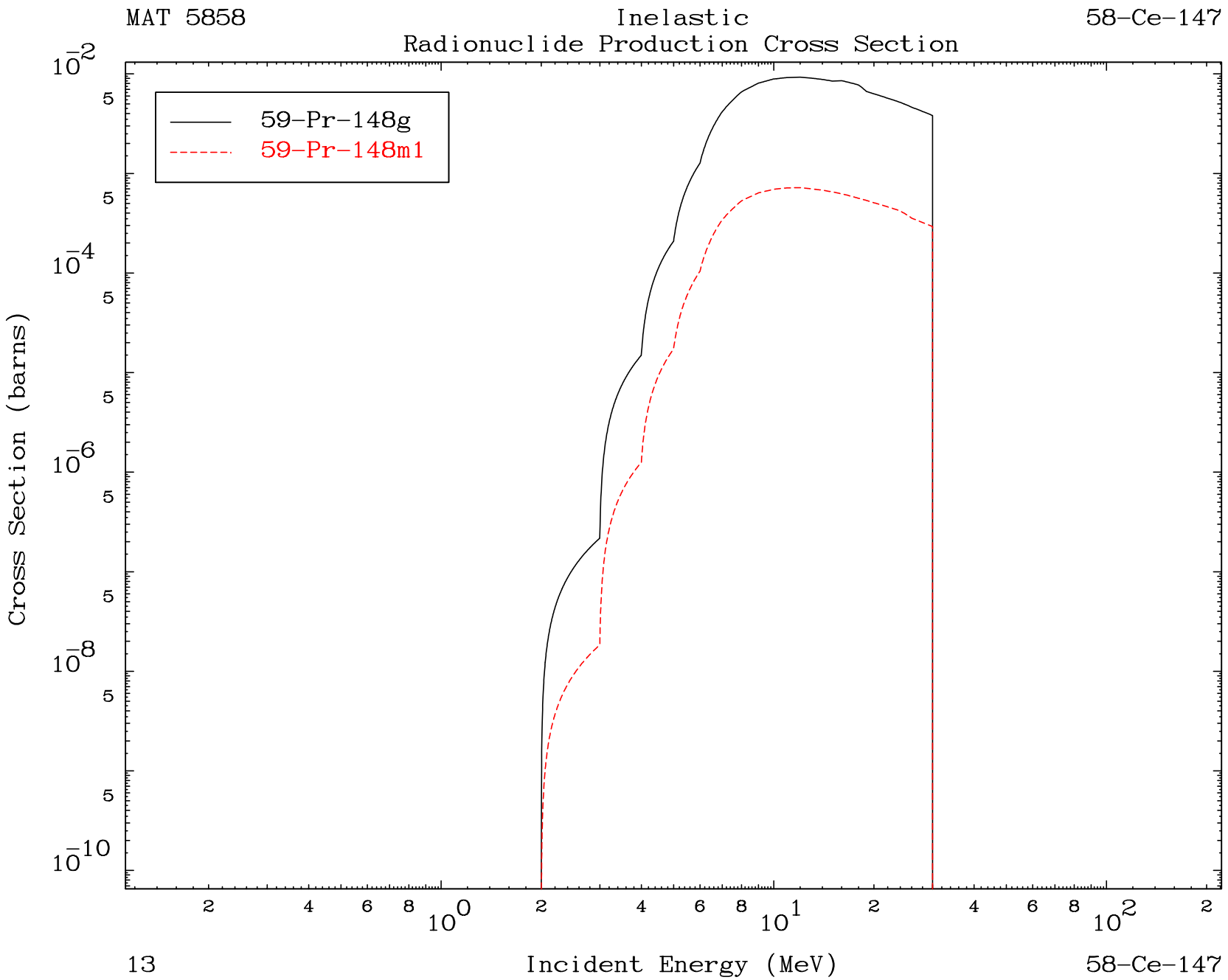

MAT 5858
(d,p) Levels
58-Ce-147
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
58-Ce-147

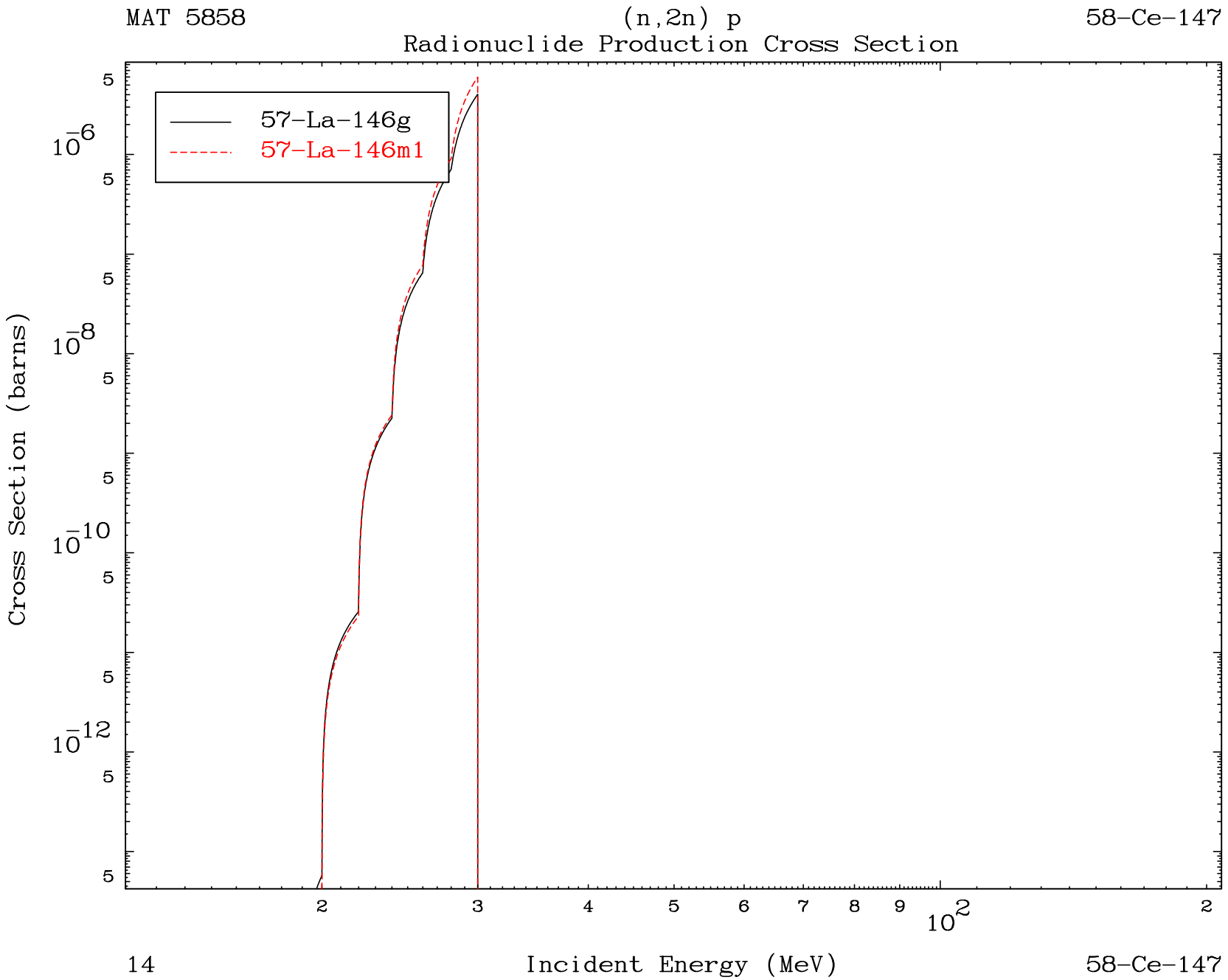

MAT 5858
(d,d) Levels
58-Ce-147
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
58-Ce-147

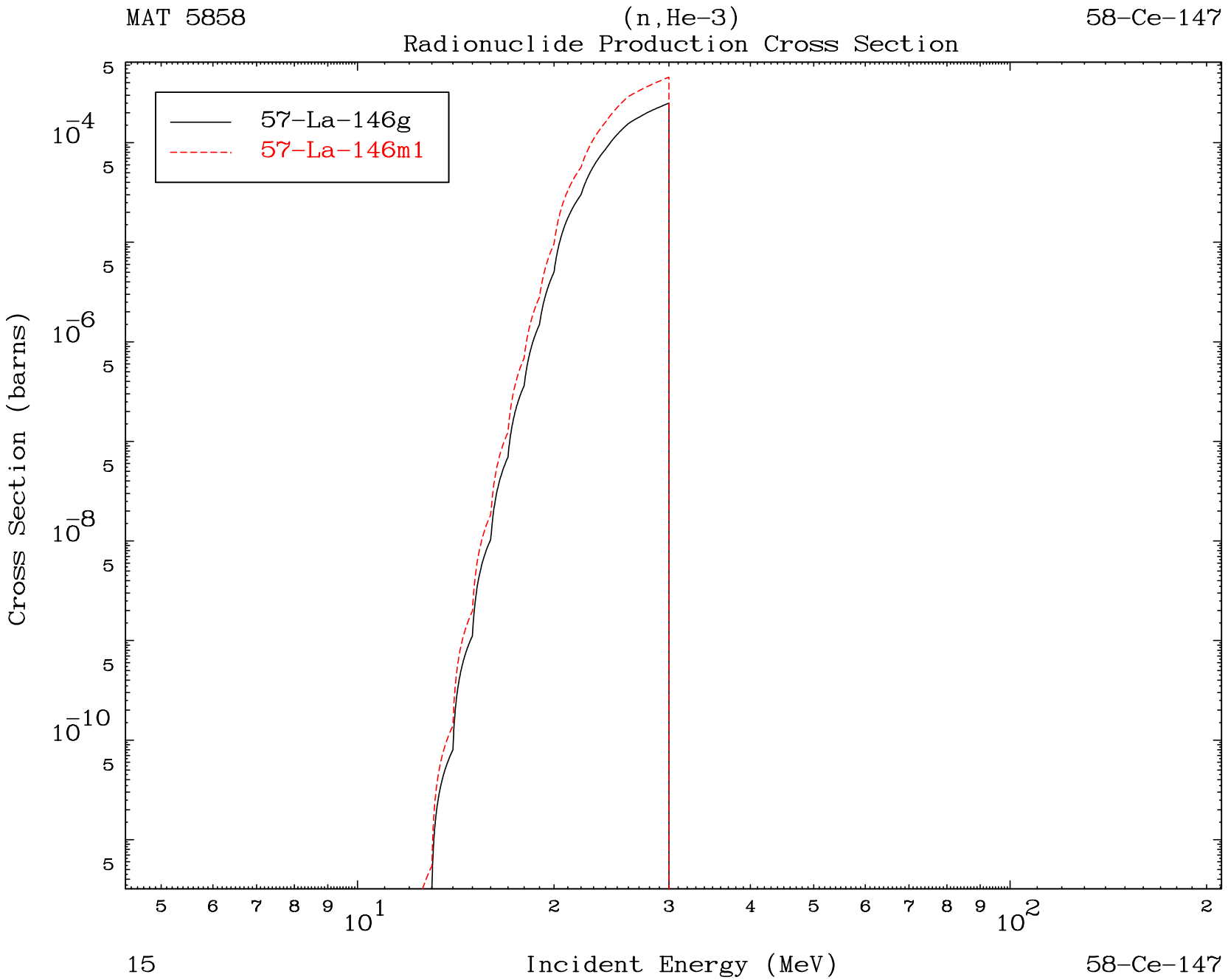

MAT 5858
(d,t) Levels
58-Ce-147
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-147

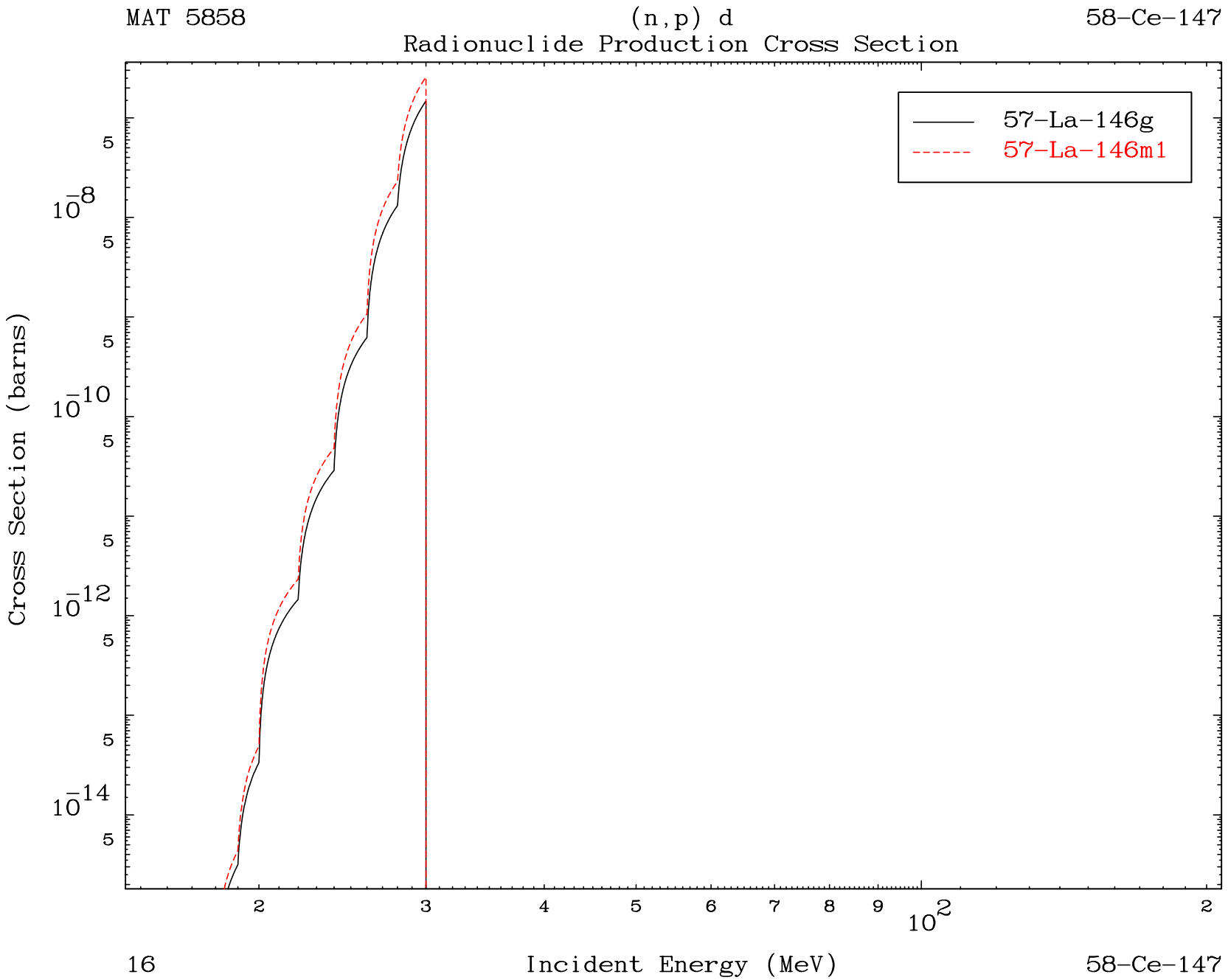

MAT 5858
(d,He3) Levels
58-Ce-147
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
58-Ce-147


MAT 5858
(d,α) Levels
58-Ce-147
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
12
58-Ce-147


MAT 5858
Inelastic
58-Ce-147
Radionuclide Production Cross Section
59-Pr-148g
59-Pr-148m1
Cross Section (barns)
Incident Energy (MeV)
13
58-Ce-147


MAT 5858
(n,2n) p
58-Ce-147
Radionuclide Production Cross Section
57-La-146g
57-La-146m1
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)
58-Ce-147


MAT 5858
(n,He-3)
58-Ce-147
Radionuclide Production Cross Section
57-La-146g
57-La-146m1
Cross Section (barns)
Incident Energy (MeV)
15
58-Ce-147


MAT 5858
(n,p) d
58-Ce-147
Radionuclide Production Cross Section
57-La-146g
57-La-146m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
58-Ce-147