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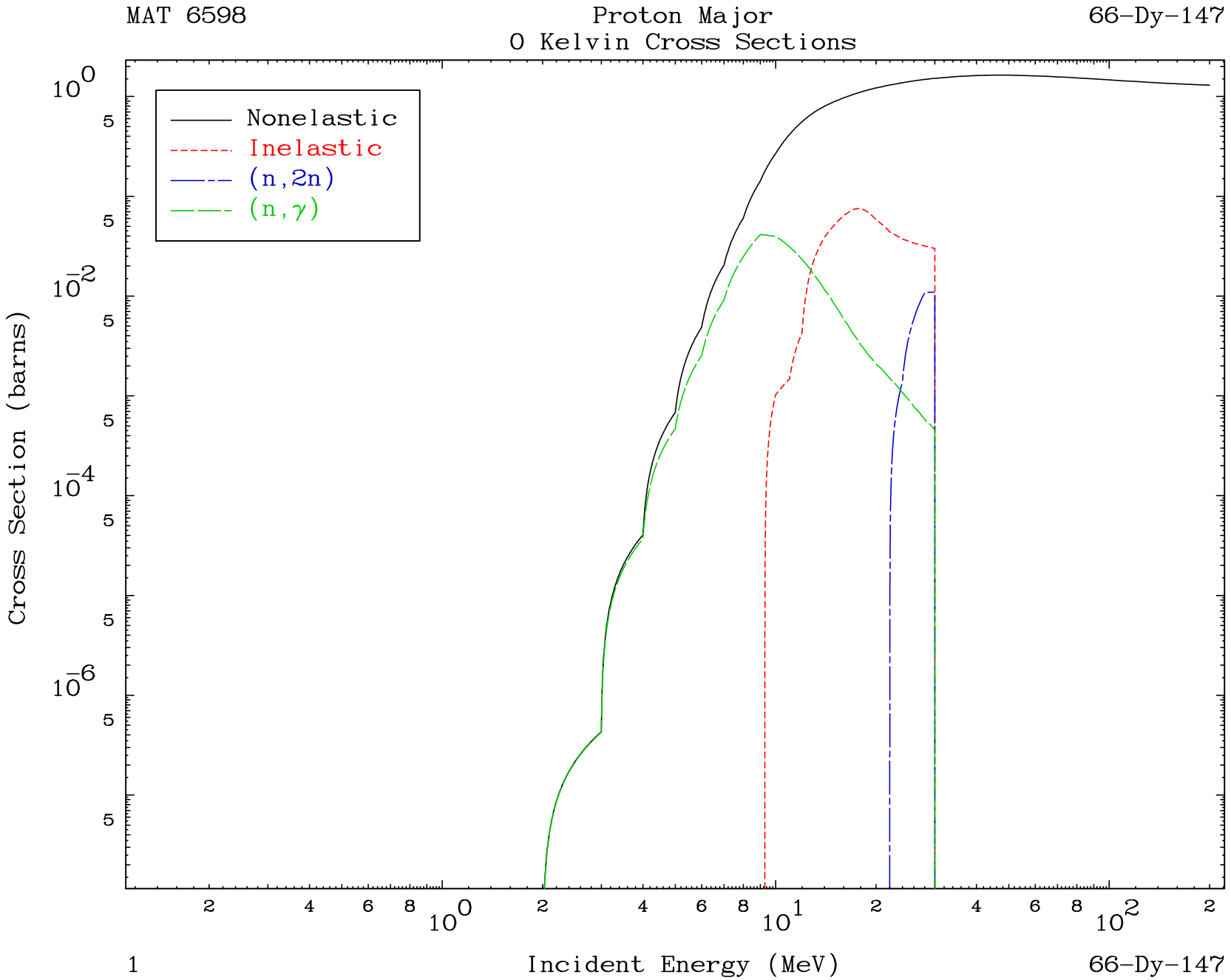
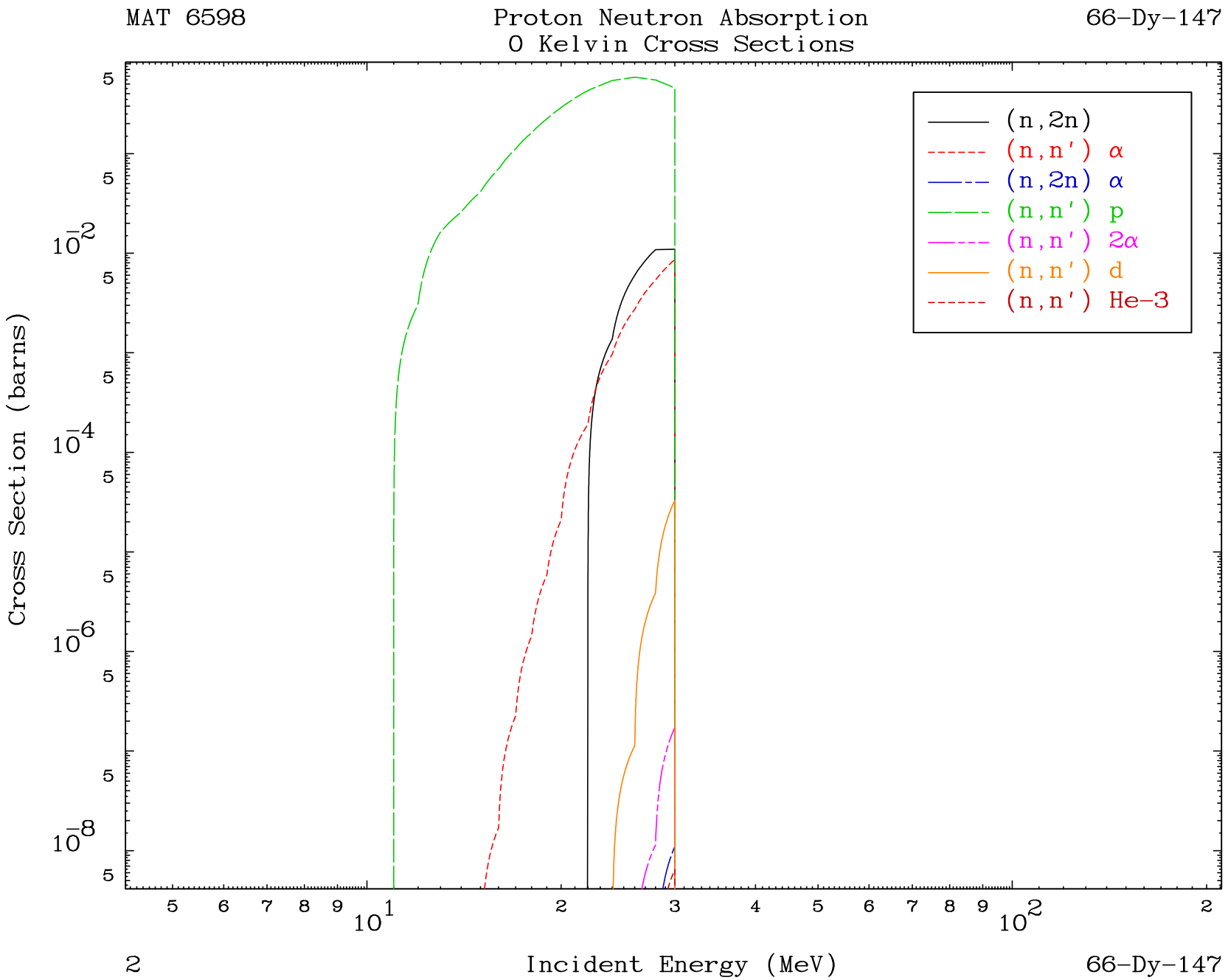
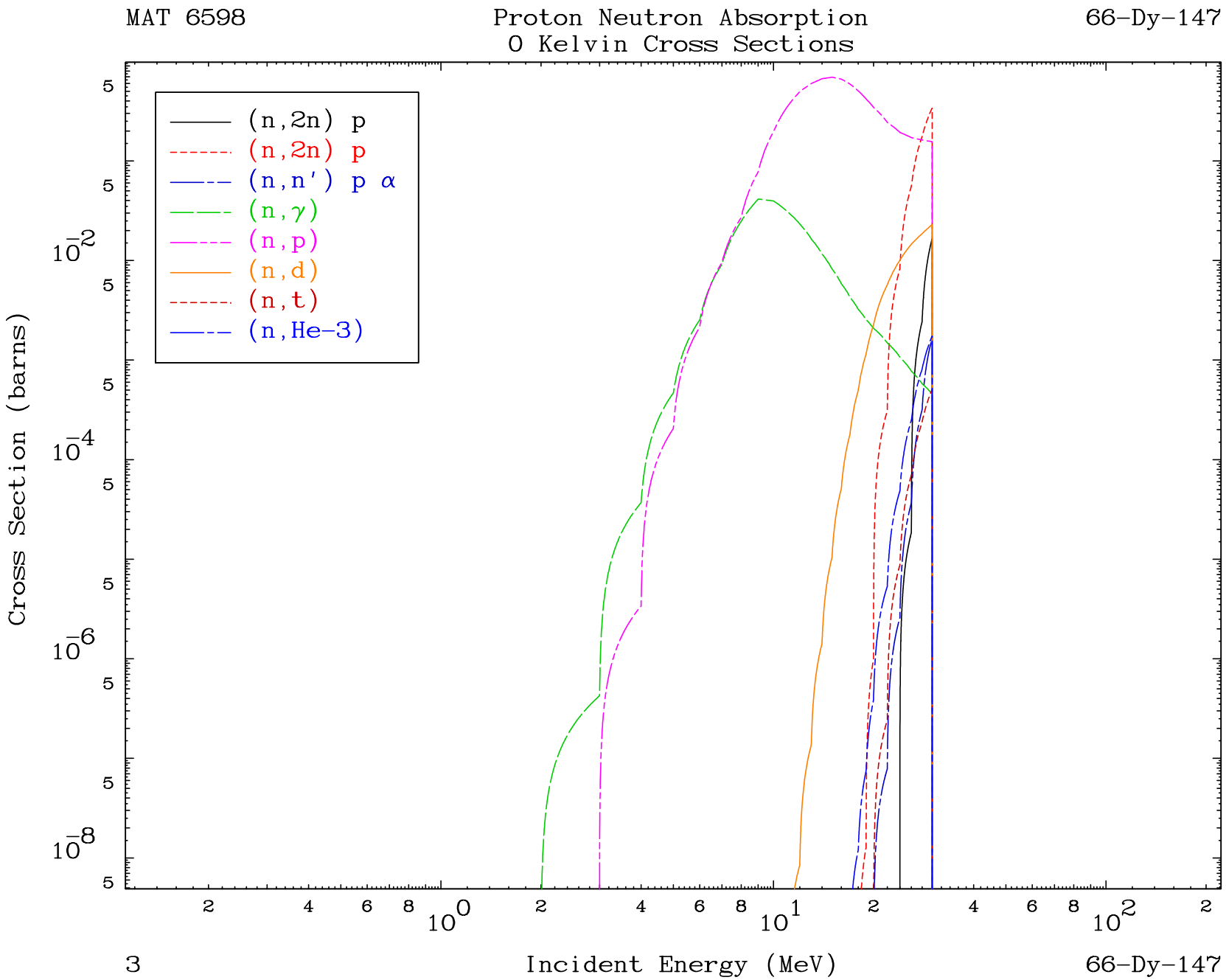
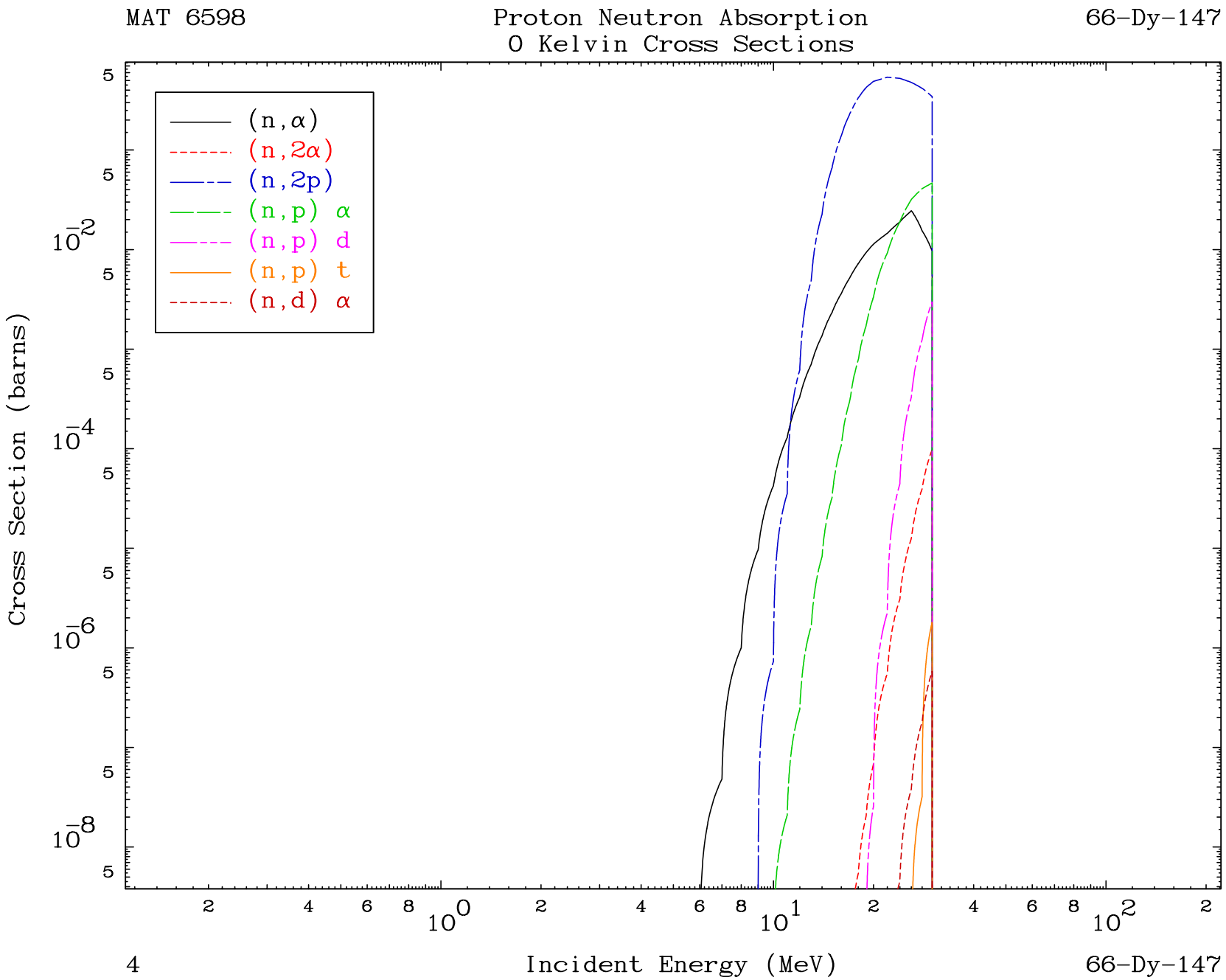
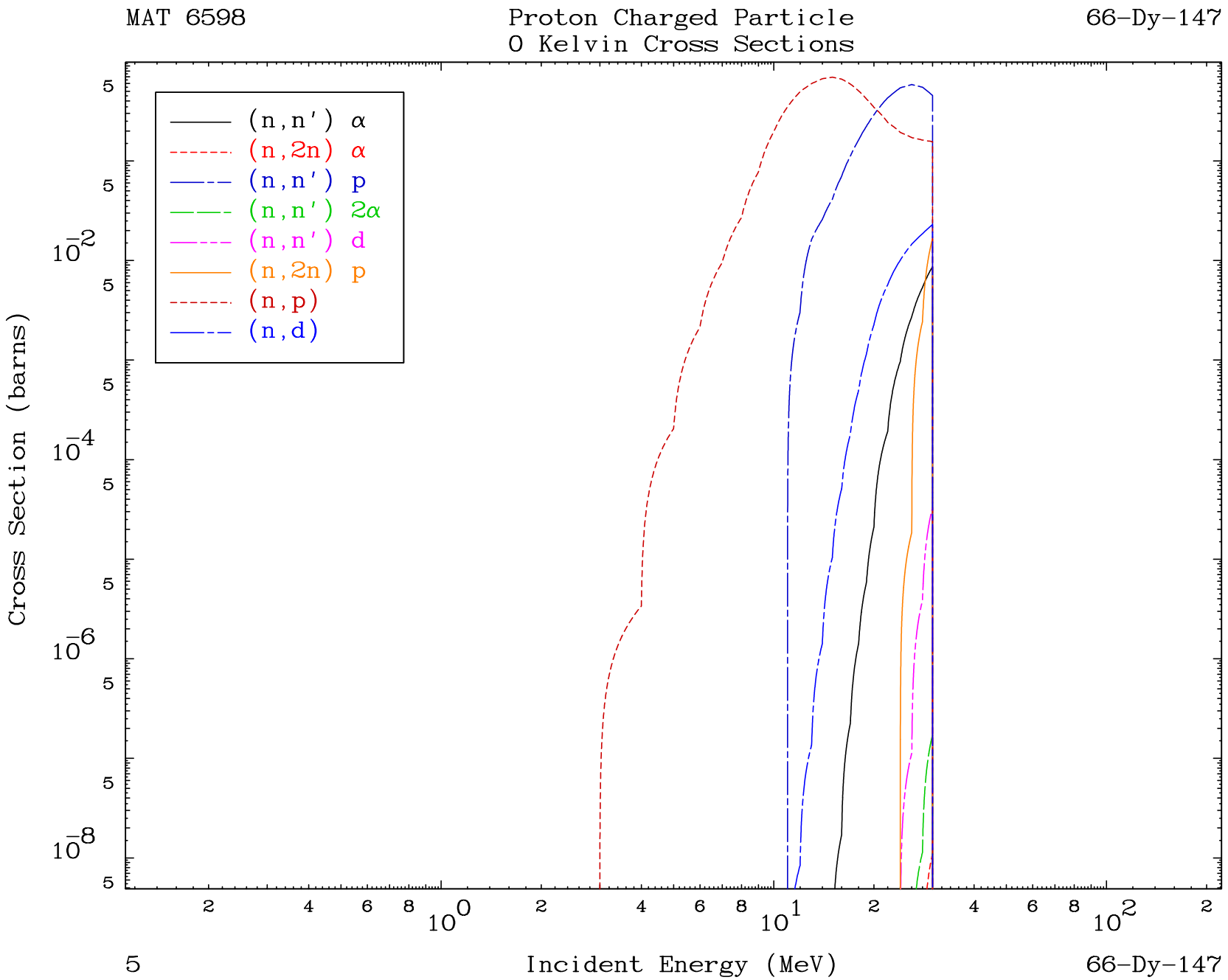
Press Mouse Button to Start

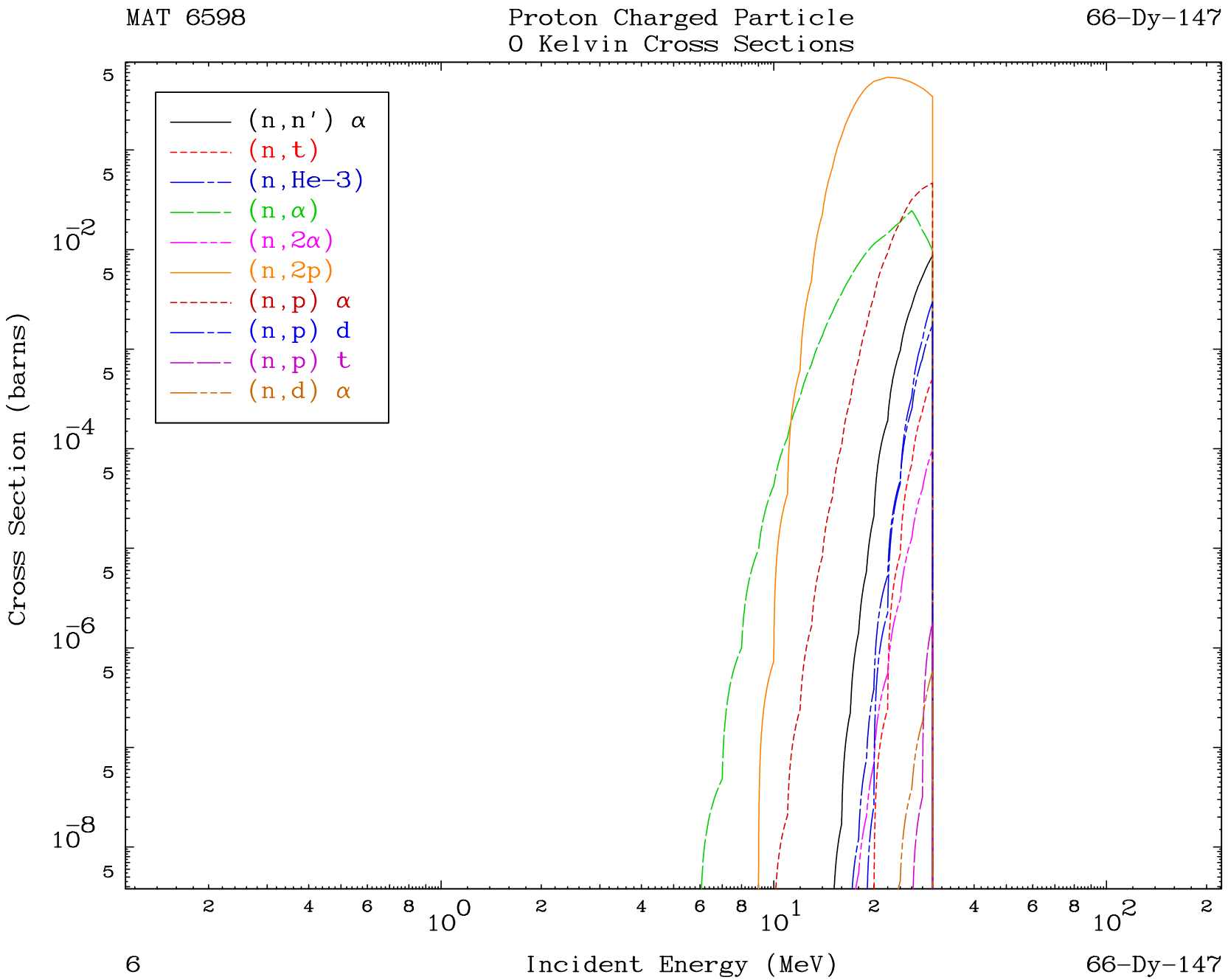

MAT 6598
Proton Major
66-Dy-147
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
66-Dy-147
1

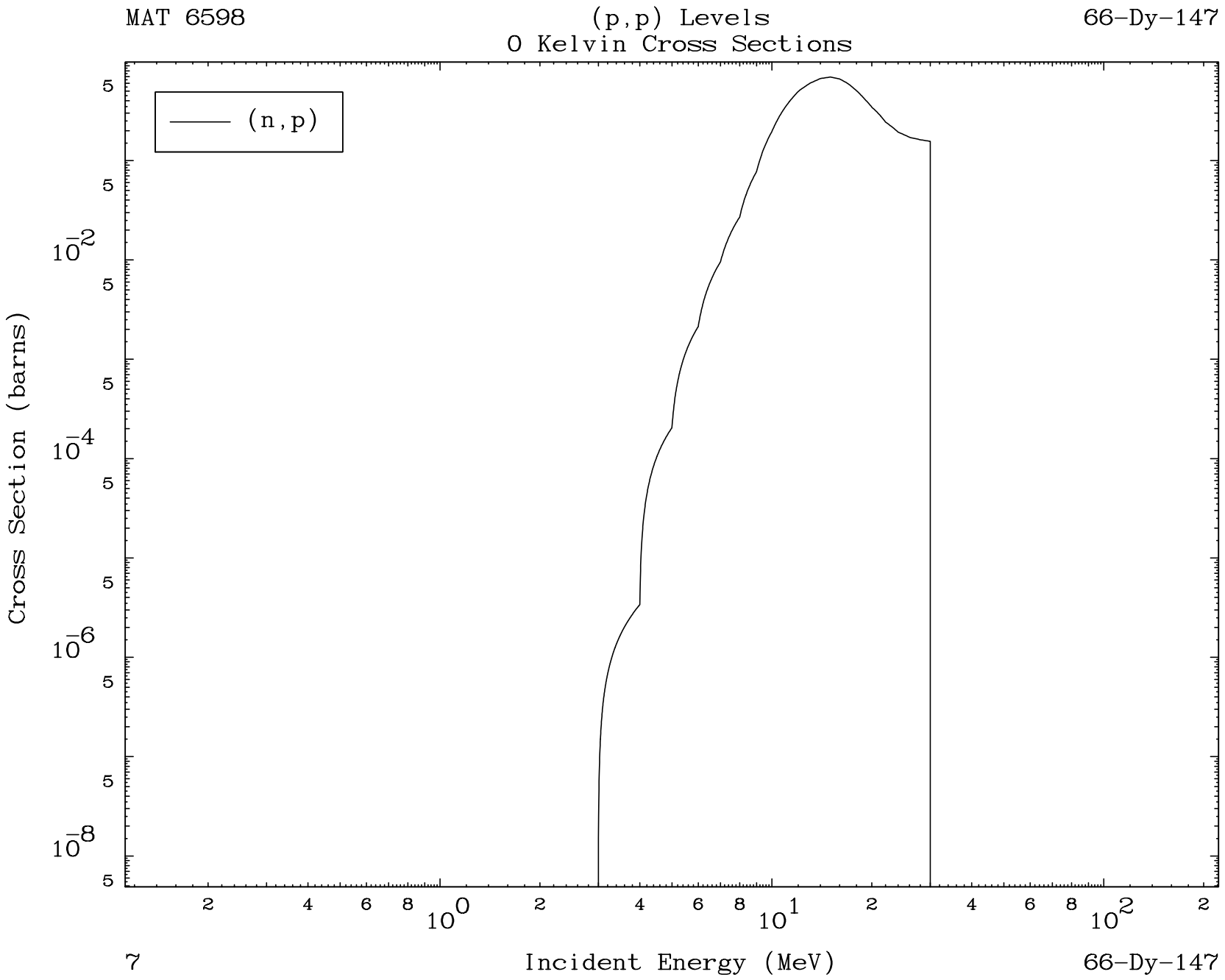

MAT 6598
Proton Neutron Absorption
0 Kelvin Cross Sections
66-Dy-147
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
66-Dy-147
2

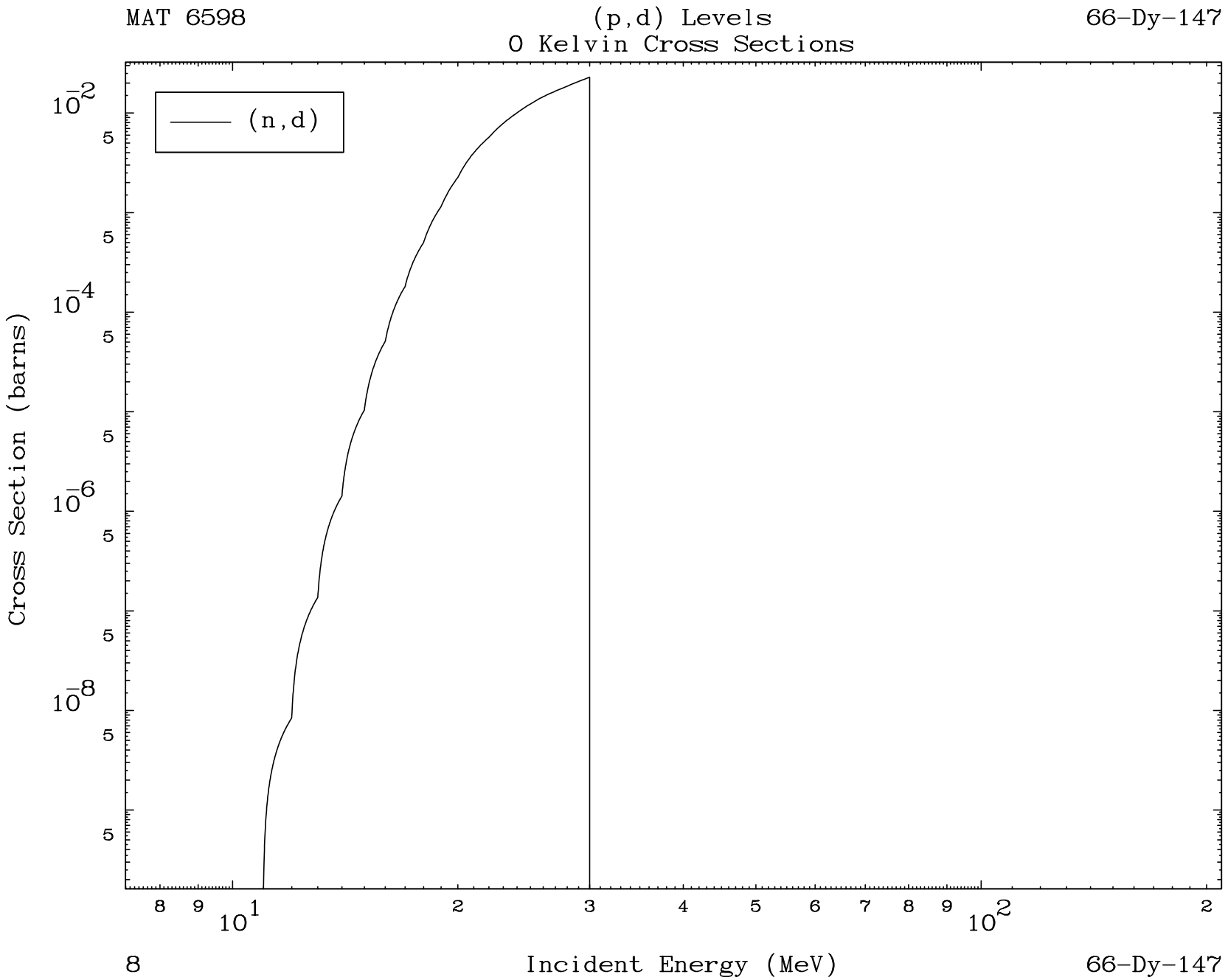

MAT 6598
Proton Neutron Absorption
0 Kelvin Cross Sections
66-Dy-147
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
3
66-Dy-147

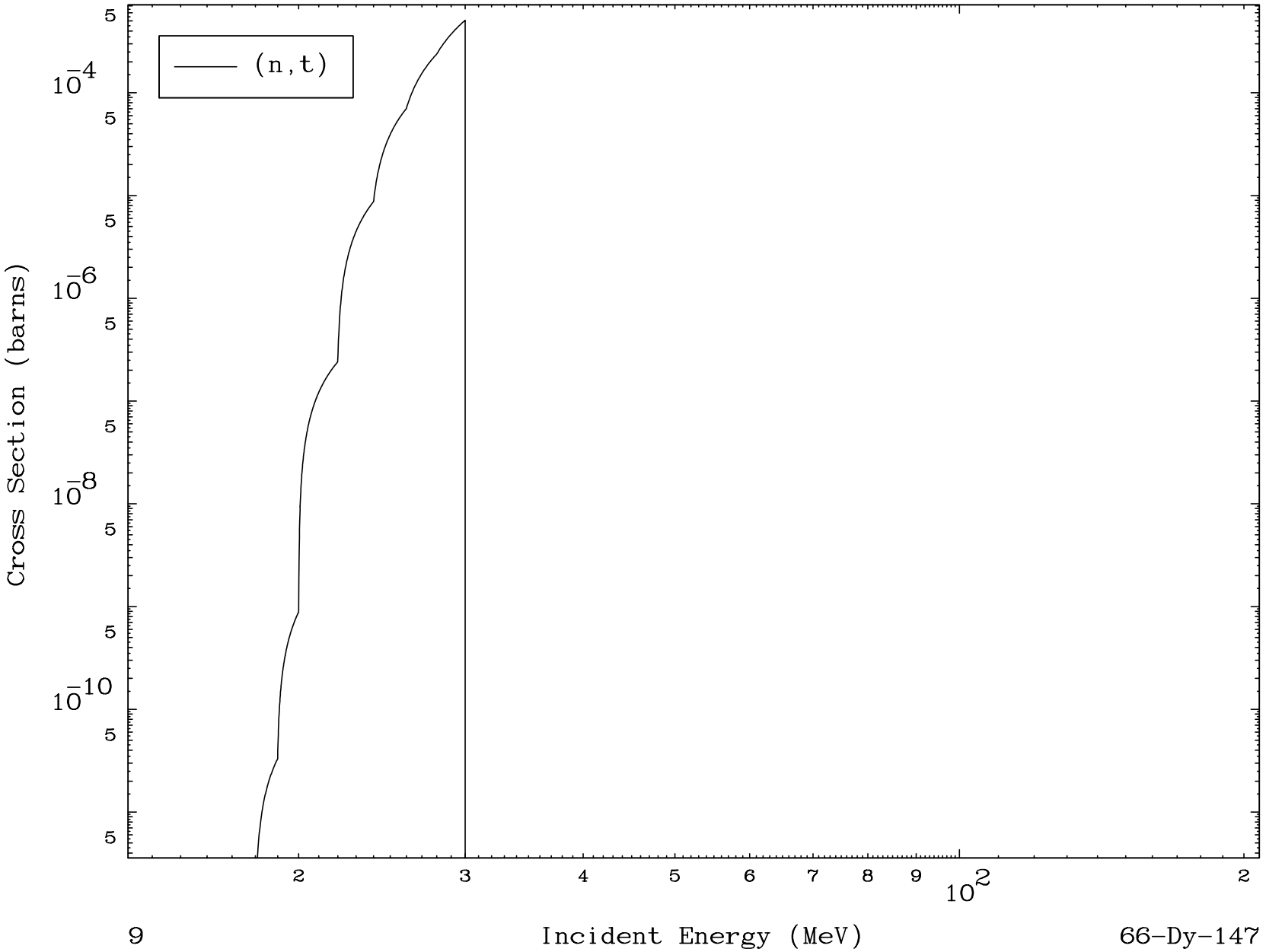

MAT 6598
Proton Neutron Absorption
0 Kelvin Cross Sections
66-Dy-147
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
66-Dy-147

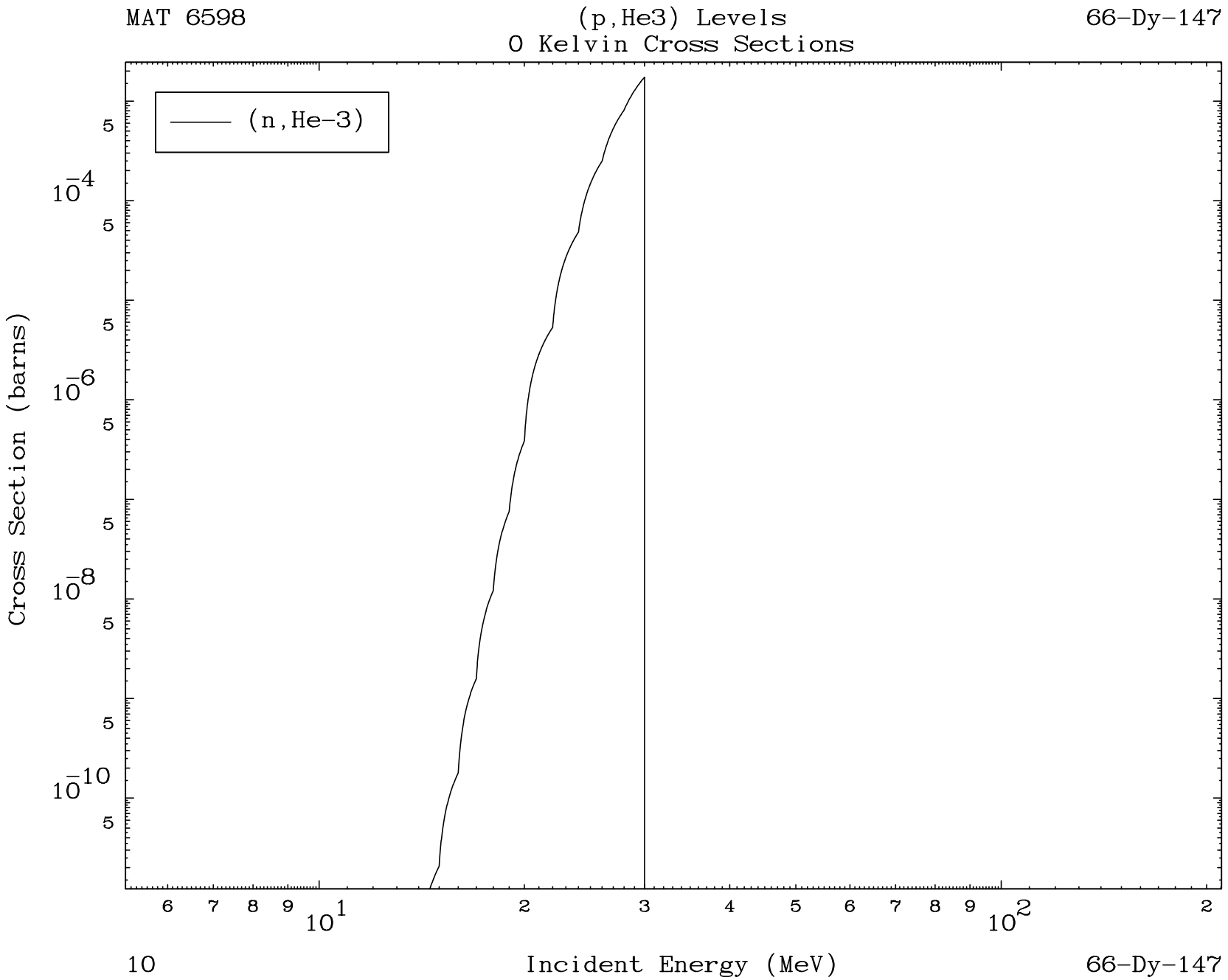

MAT 6598
Proton Charged Particle
0 Kelvin Cross Sections
66-Dy-147
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
66-Dy-147

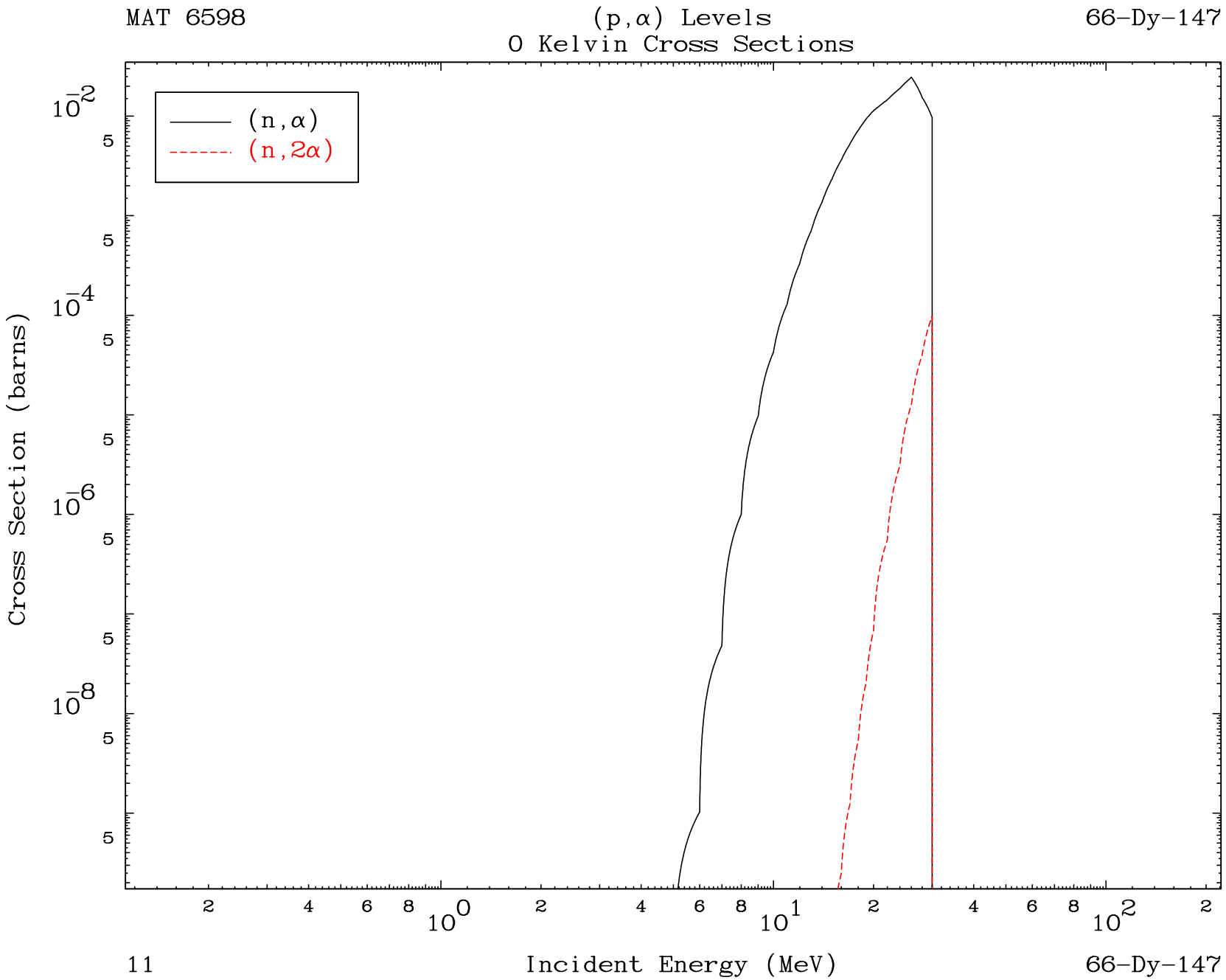

MAT 6598
Proton Charged Particle
0 Kelvin Cross Sections
66-Dy-147
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
66-Dy-147

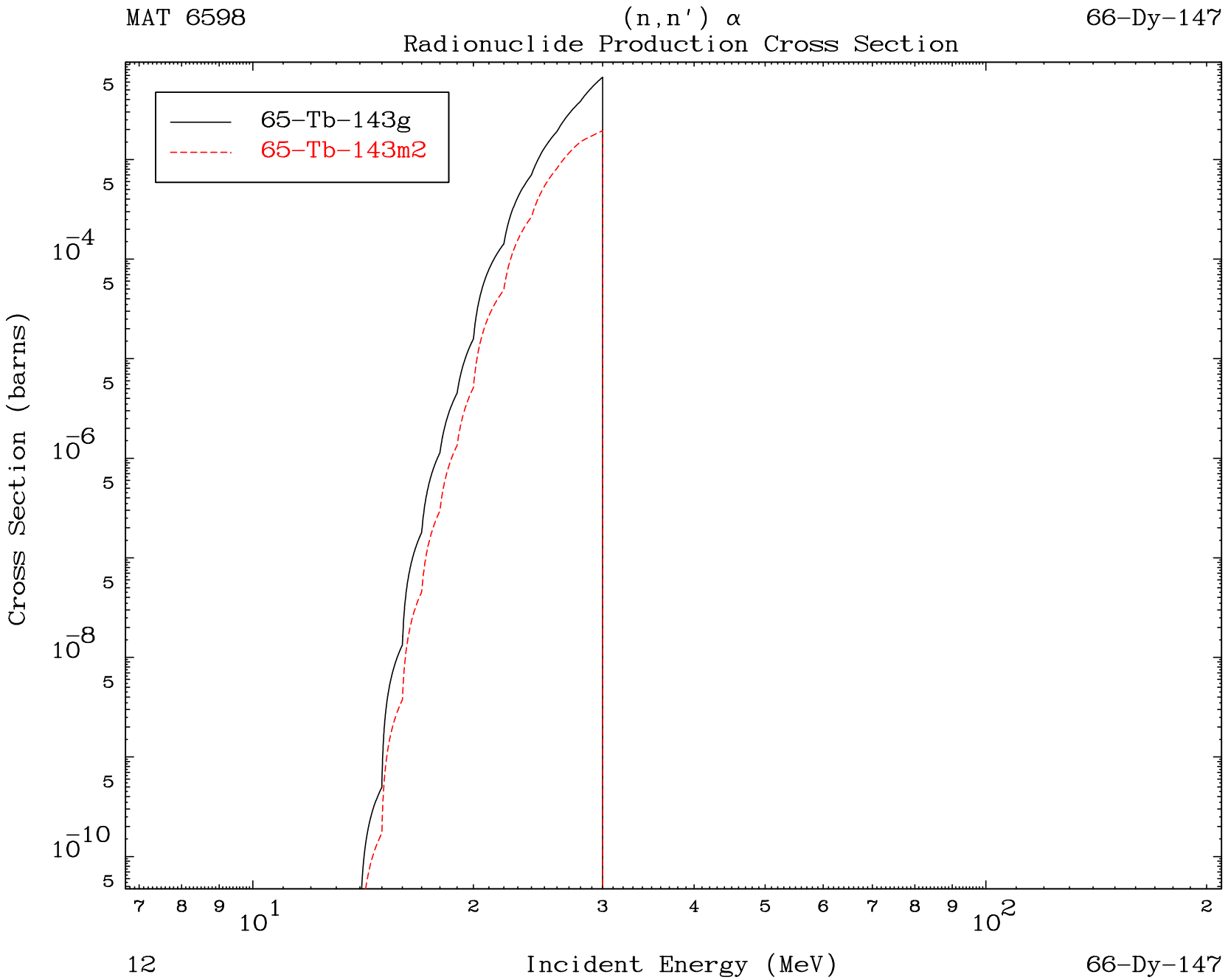

MAT 6598
(p,p) Levels
66-Dy-147
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
66-Dy-147

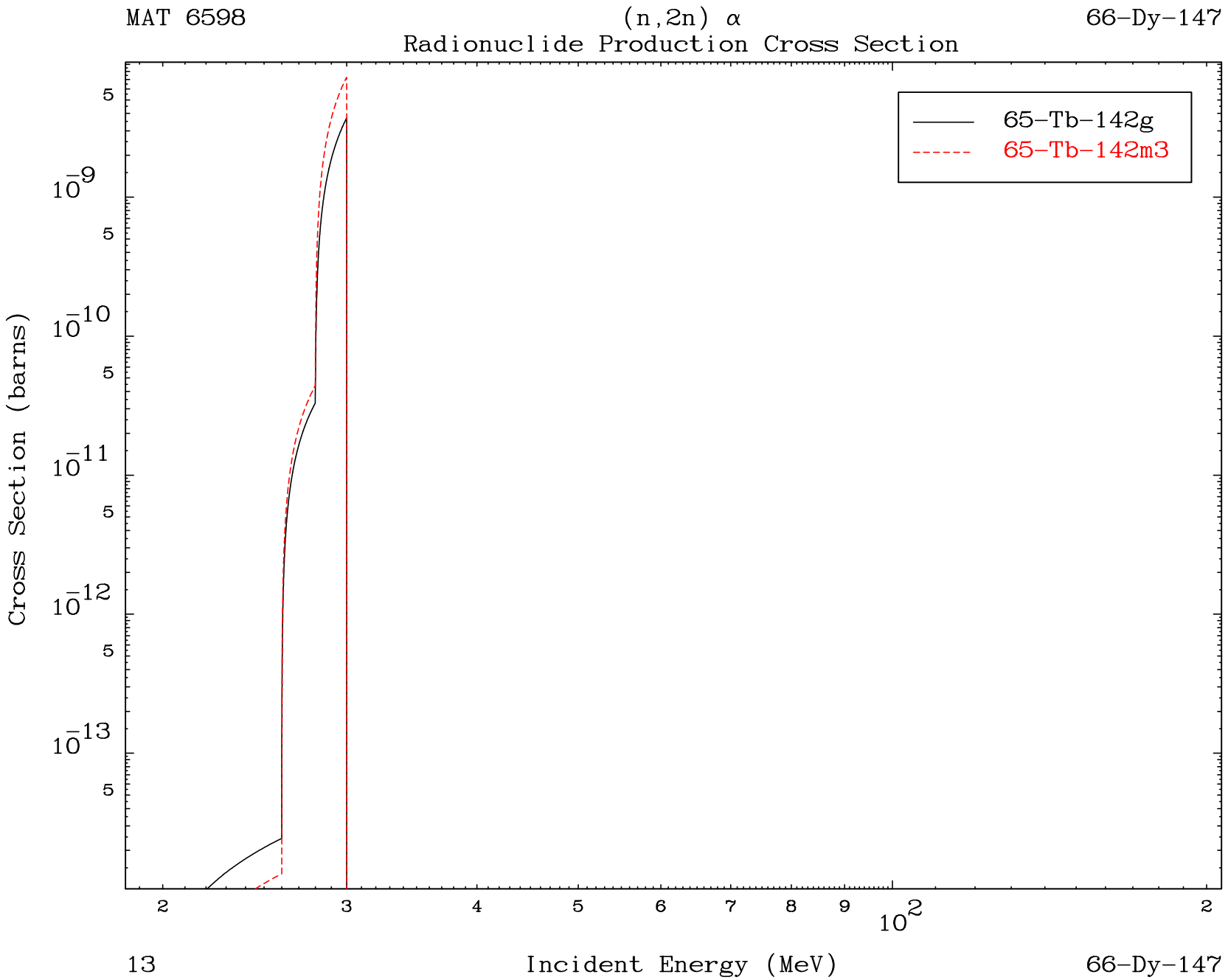

MAT 6598
(p,d) Levels
66-Dy-147
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
66-Dy-147
8

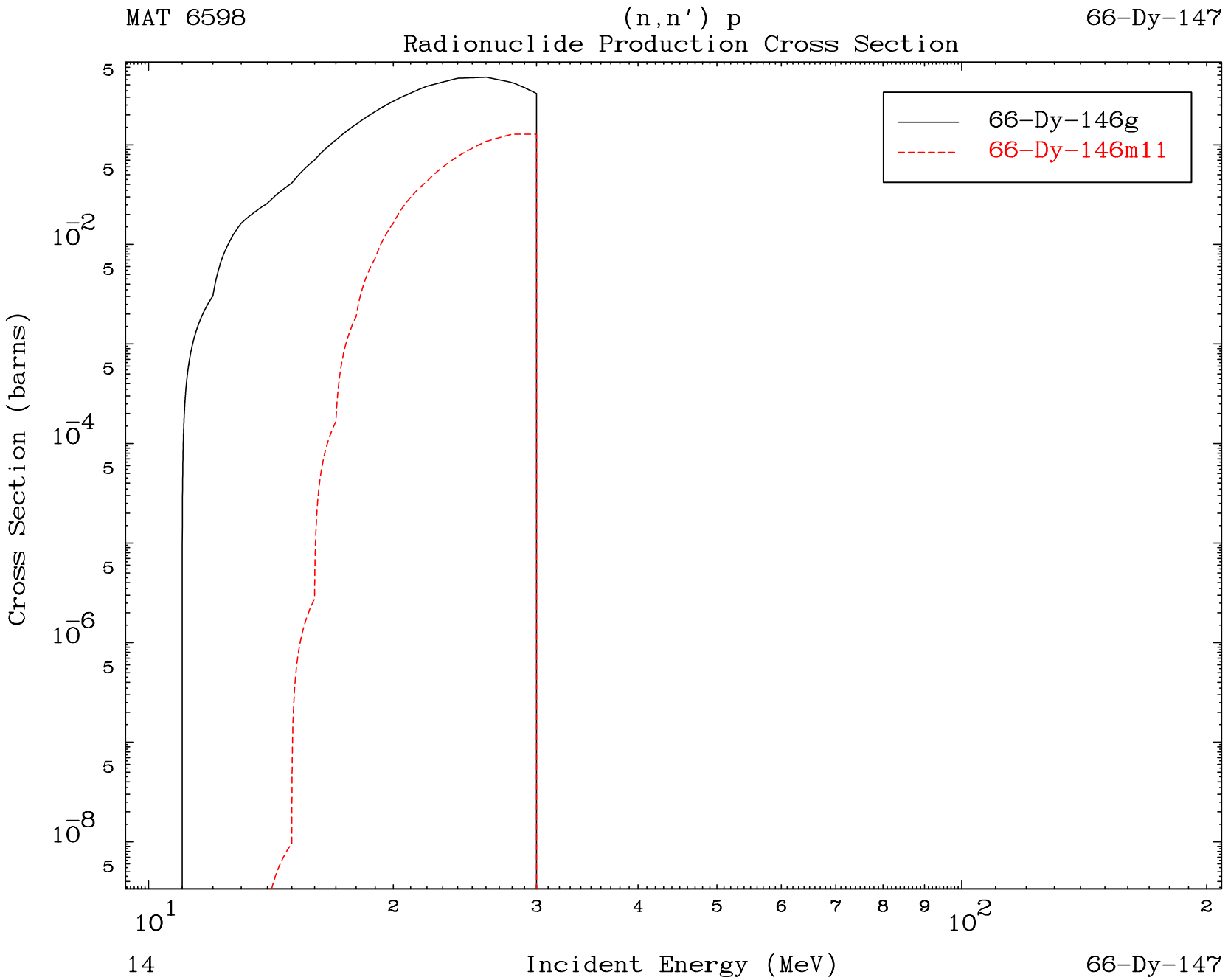

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

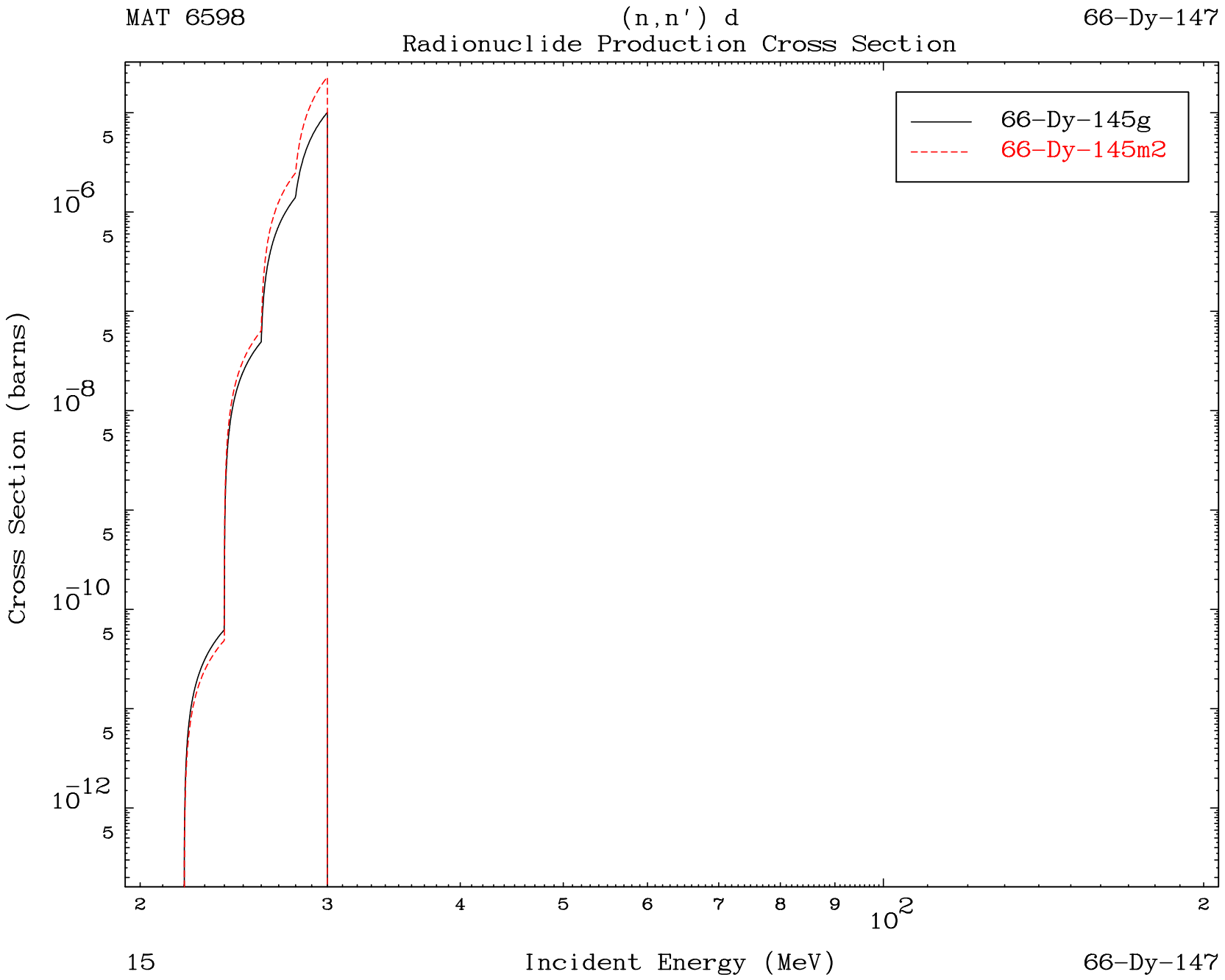

MAT 6598
(p,He3) Levels
66-Dy-147
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
10
Incident Energy (MeV)
66-Dy-147

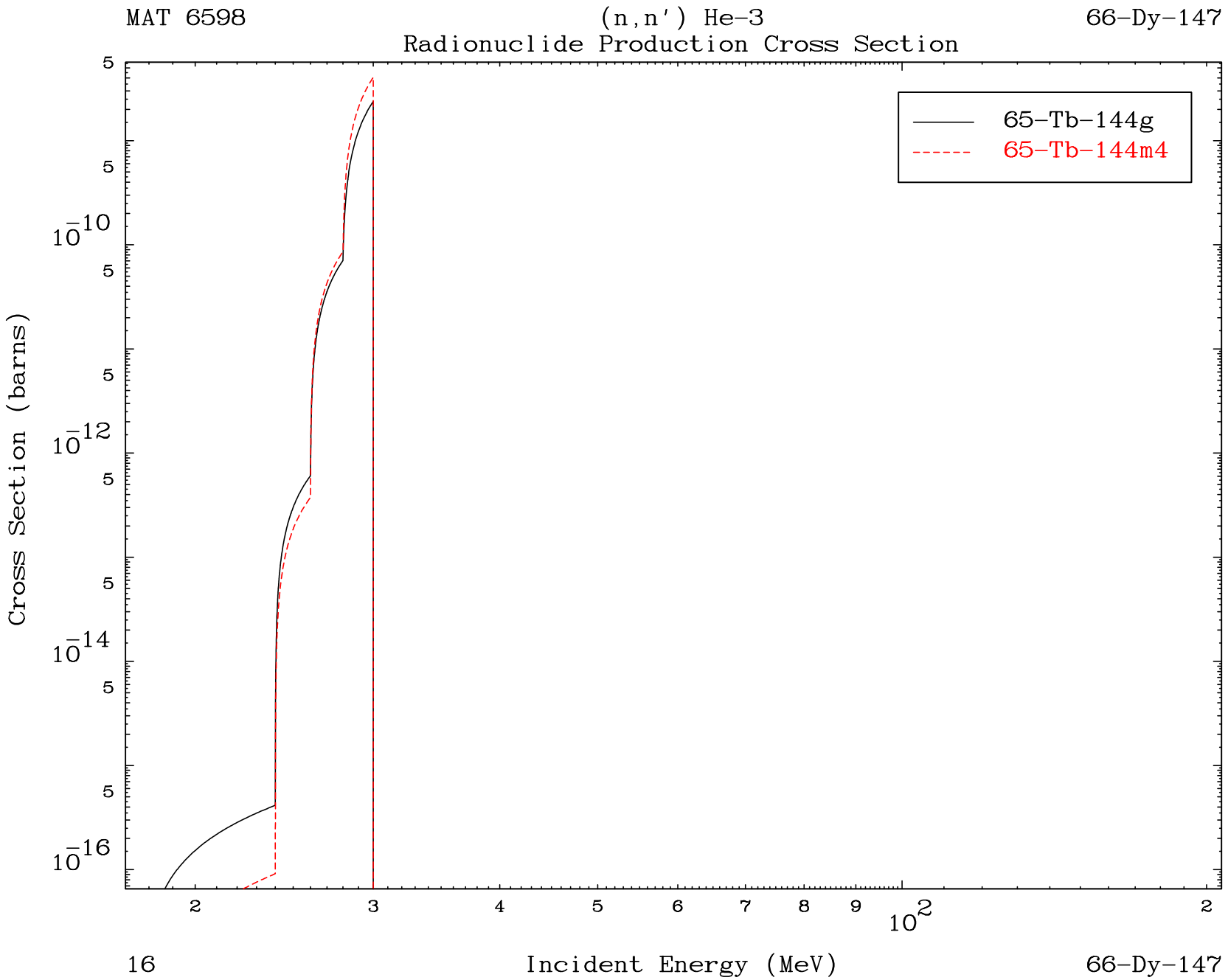

MAT 6598
(p,α) Levels
66-Dy-147
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
11
66-Dy-147

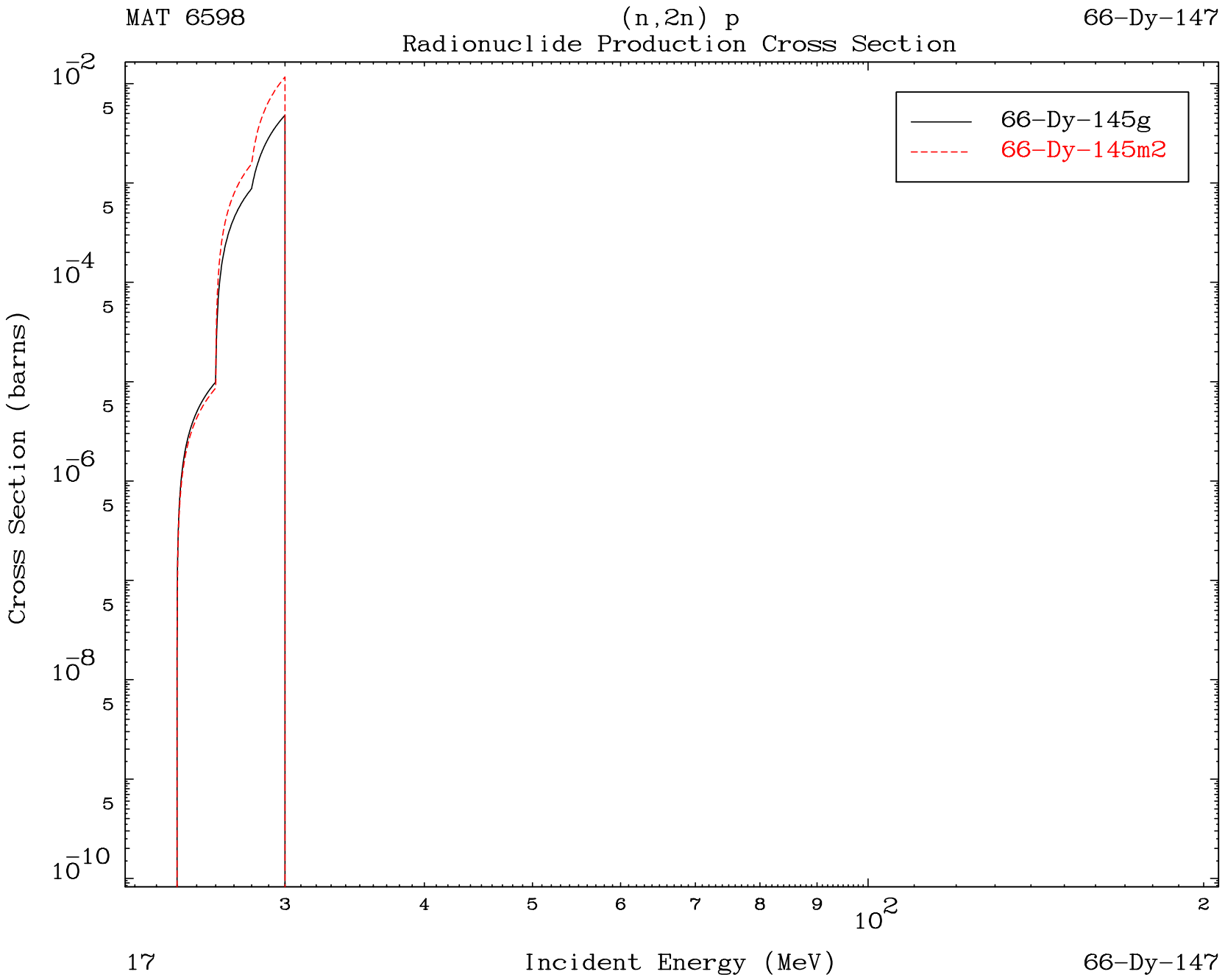

MAT 6598
(n,n') α
66-Dy-147
Radionuclide Production Cross Section
65-Tb-143g
65-Tb-143m2
Cross Section (barns)
Incident Energy (MeV)
12
66-Dy-147

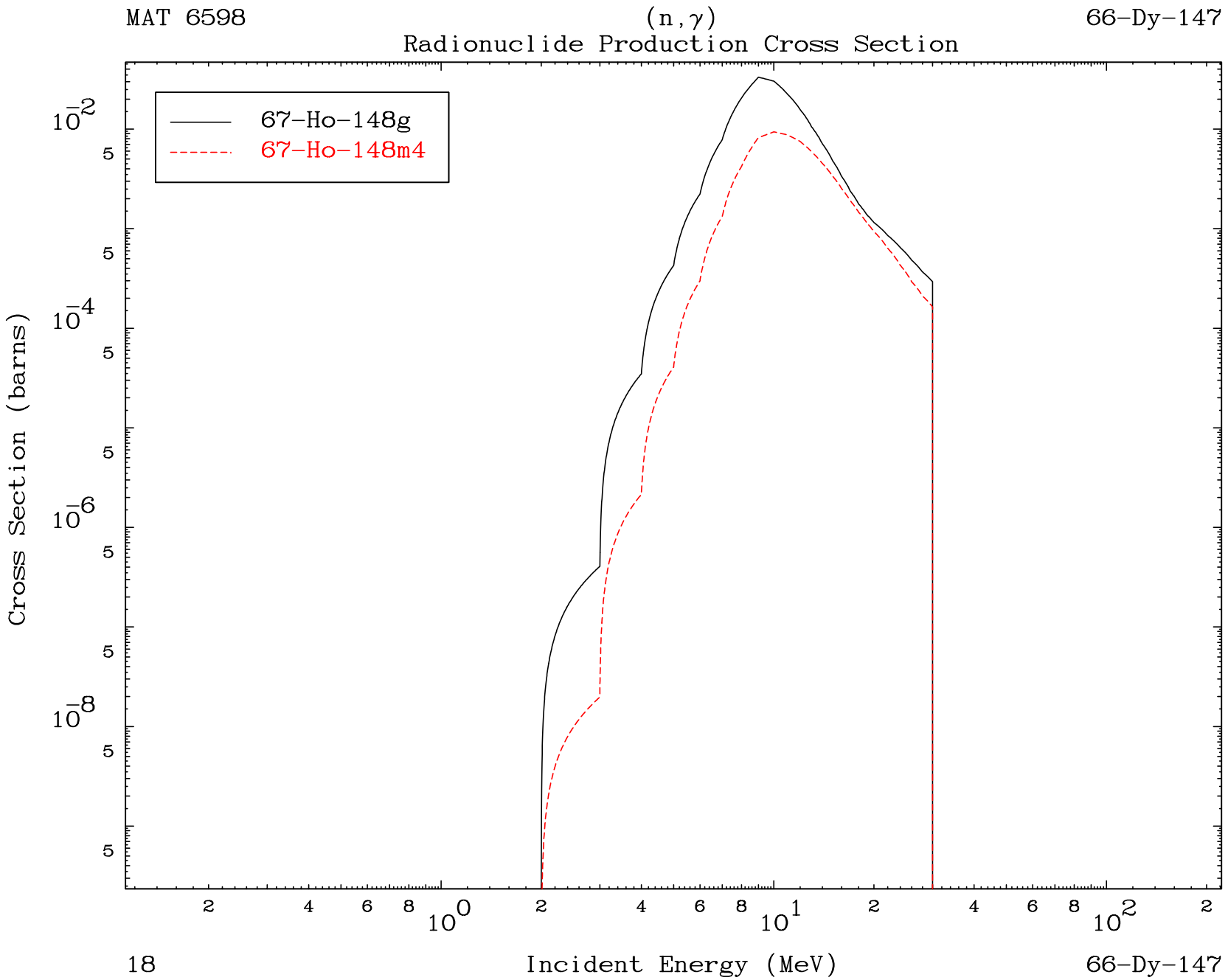

MAT 6598
(n,2n) α
66-Dy-147
Radionuclide Production Cross Section
65-Tb-142g
65-Tb-142m3
Cross Section (barns)
10-9
10-10
10-11
10-12
10-13
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
66-Dy-147

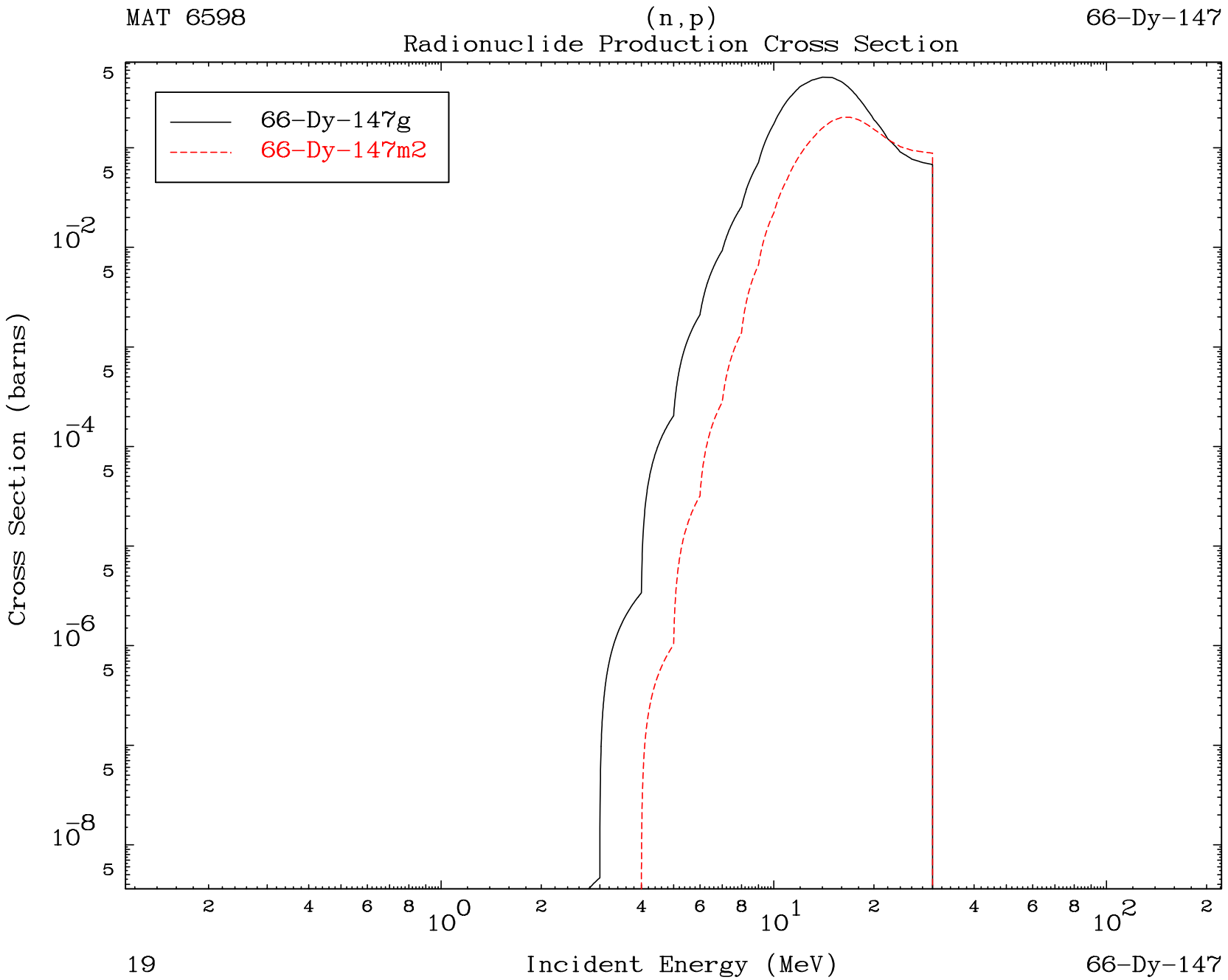

MAT 6598
(n,n') p
66-Dy-147
Radionuclide Production Cross Section
66-Dy-146g
66-Dy-146m11
Cross Section (barns)
Incident Energy (MeV)
14
66-Dy-147

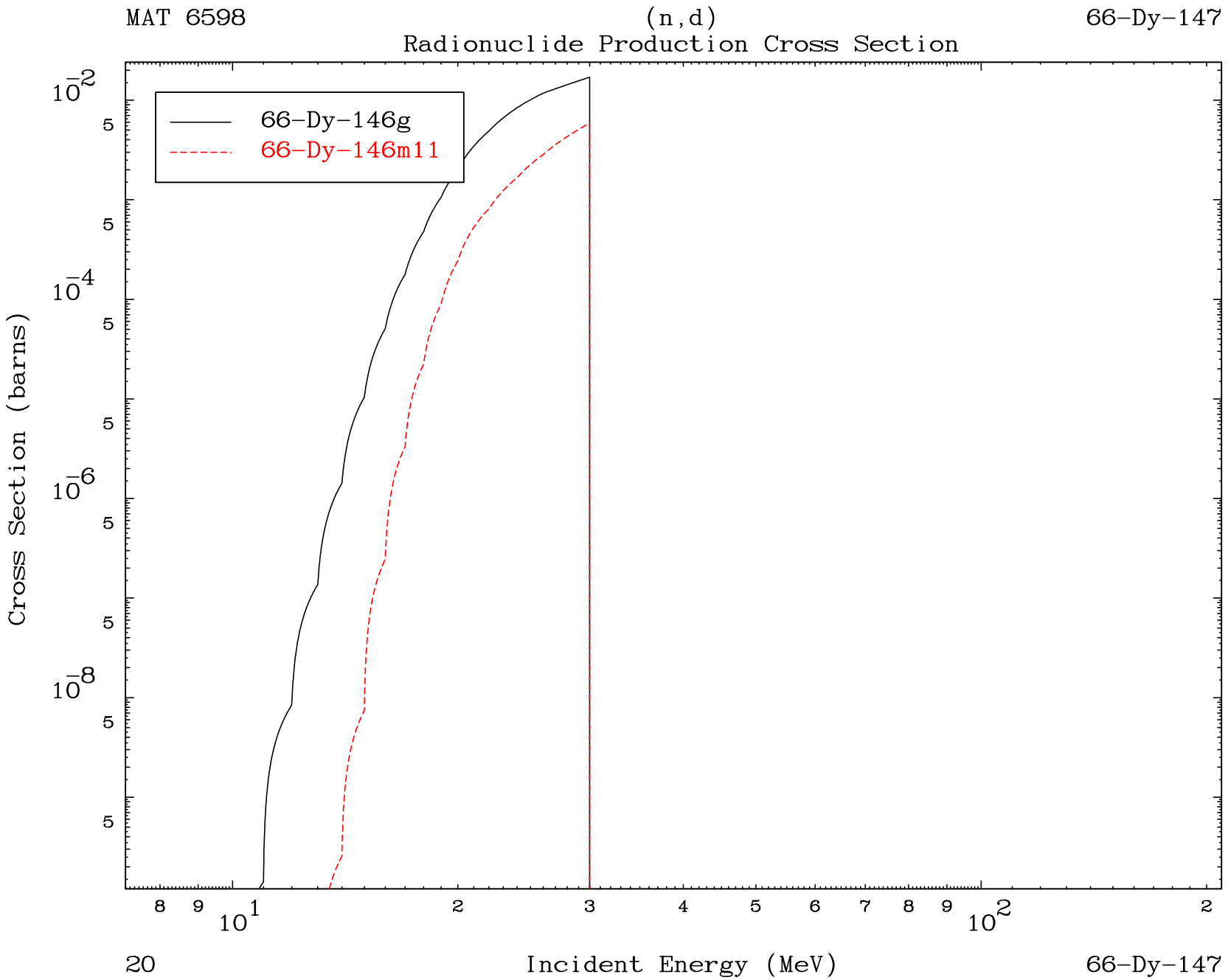

MAT 6598
(n,n') d
66-Dy-147
Radionuclide Production Cross Section
66-Dy-145g
66-Dy-145m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
66-Dy-147

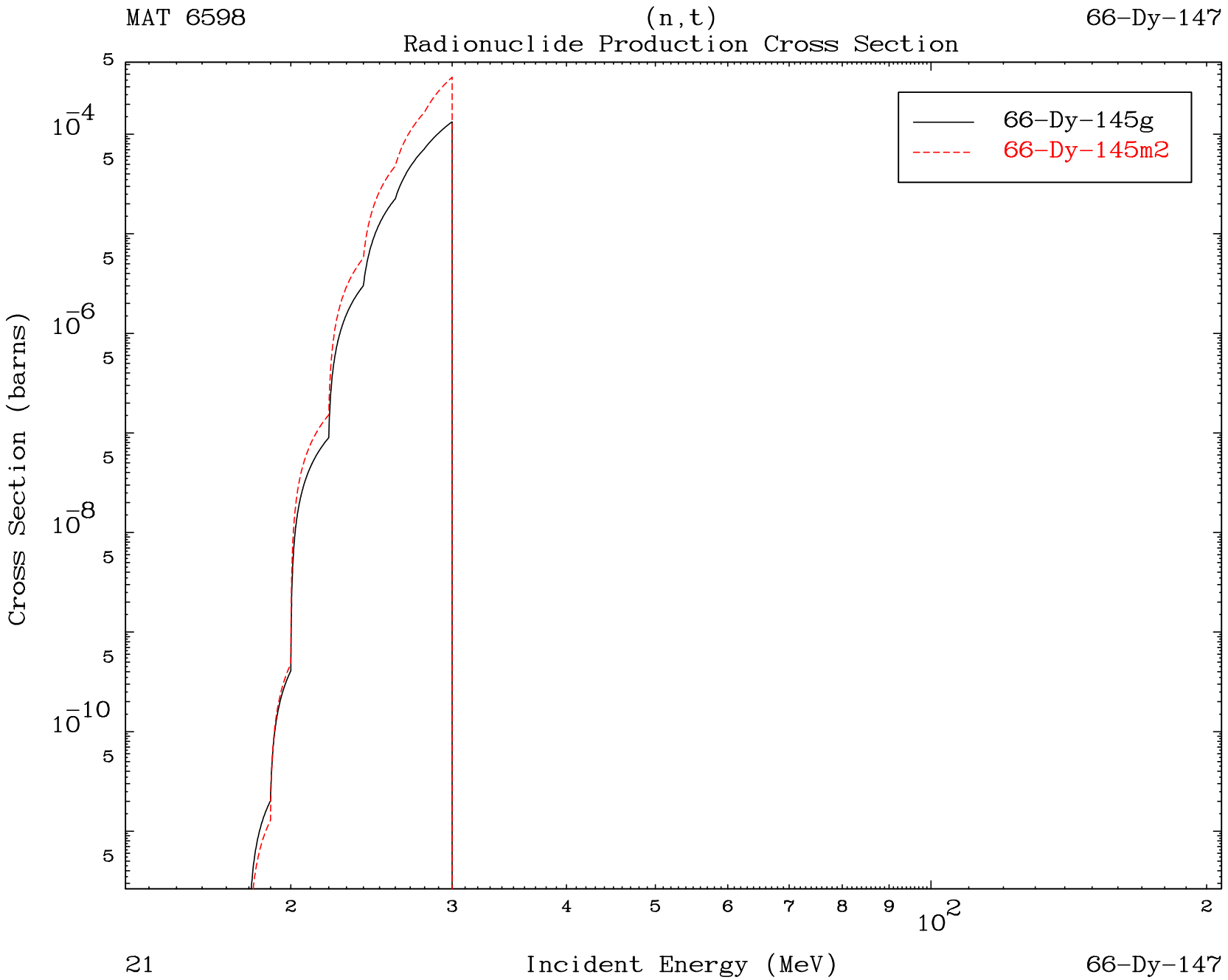

MAT 6598
(n,n') He-3
66-Dy-147
Radionuclide Production Cross Section
65-Tb-144g
65-Tb-144m4
Cross Section (barns)
Incident Energy (MeV)
16
66-Dy-147

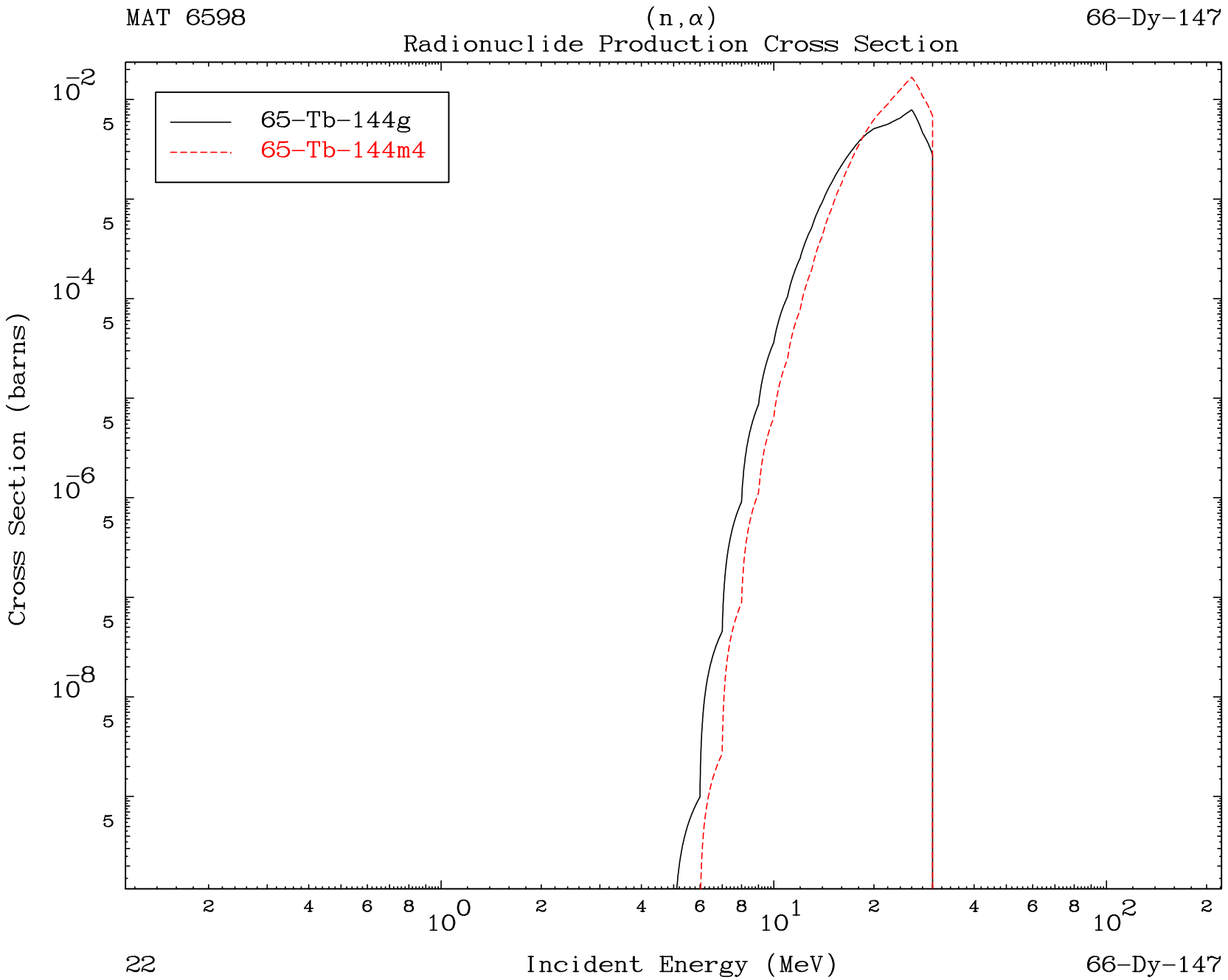

MAT 6598
(n,2n) p
66-Dy-147
Radionuclide Production Cross Section
66-Dy-145g
66-Dy-145m2
Cross Section (barns)
Incident Energy (MeV)
17
66-Dy-147

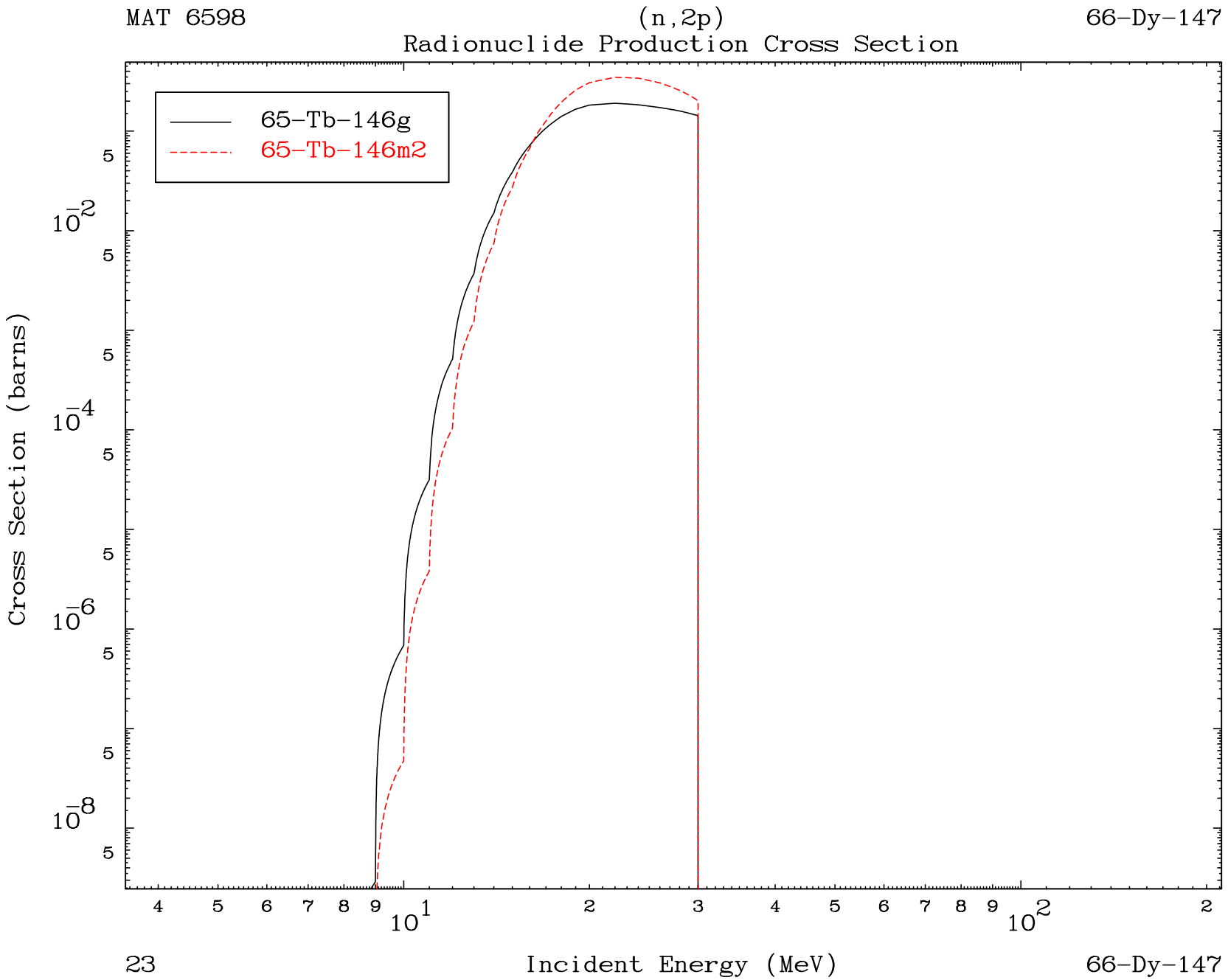

MAT 6598
(n,γ)
66-Dy-147
Radionuclide Production Cross Section
67-Ho-148g
67-Ho-148m4
Cross Section (barns)
Incident Energy (MeV)
18
66-Dy-147

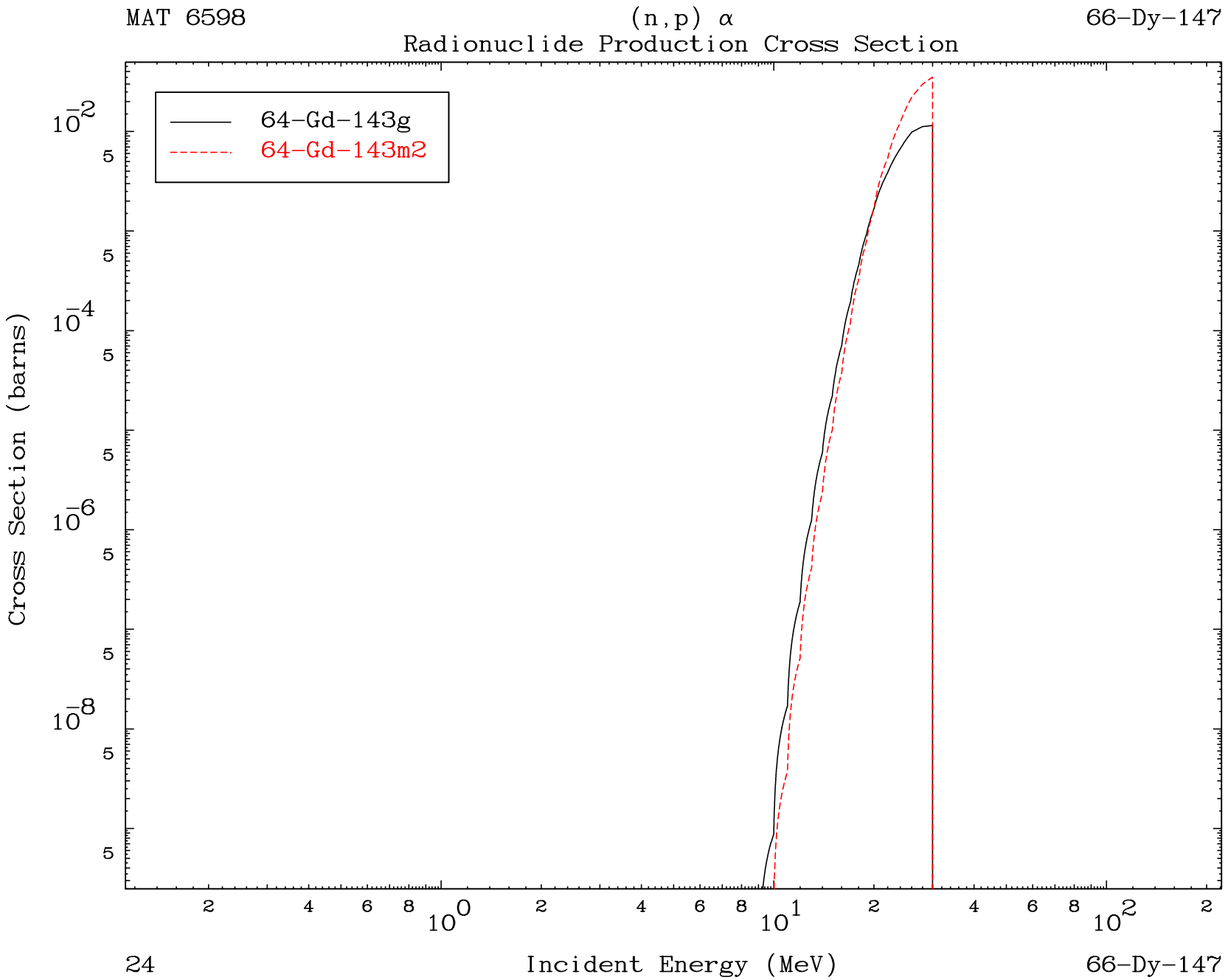

MAT 6598
(n,p)
66-Dy-147
Radionuclide Production Cross Section
66-Dy-147g
66-Dy-147m2
Cross Section (barns)
Incident Energy (MeV)
19
66-Dy-147

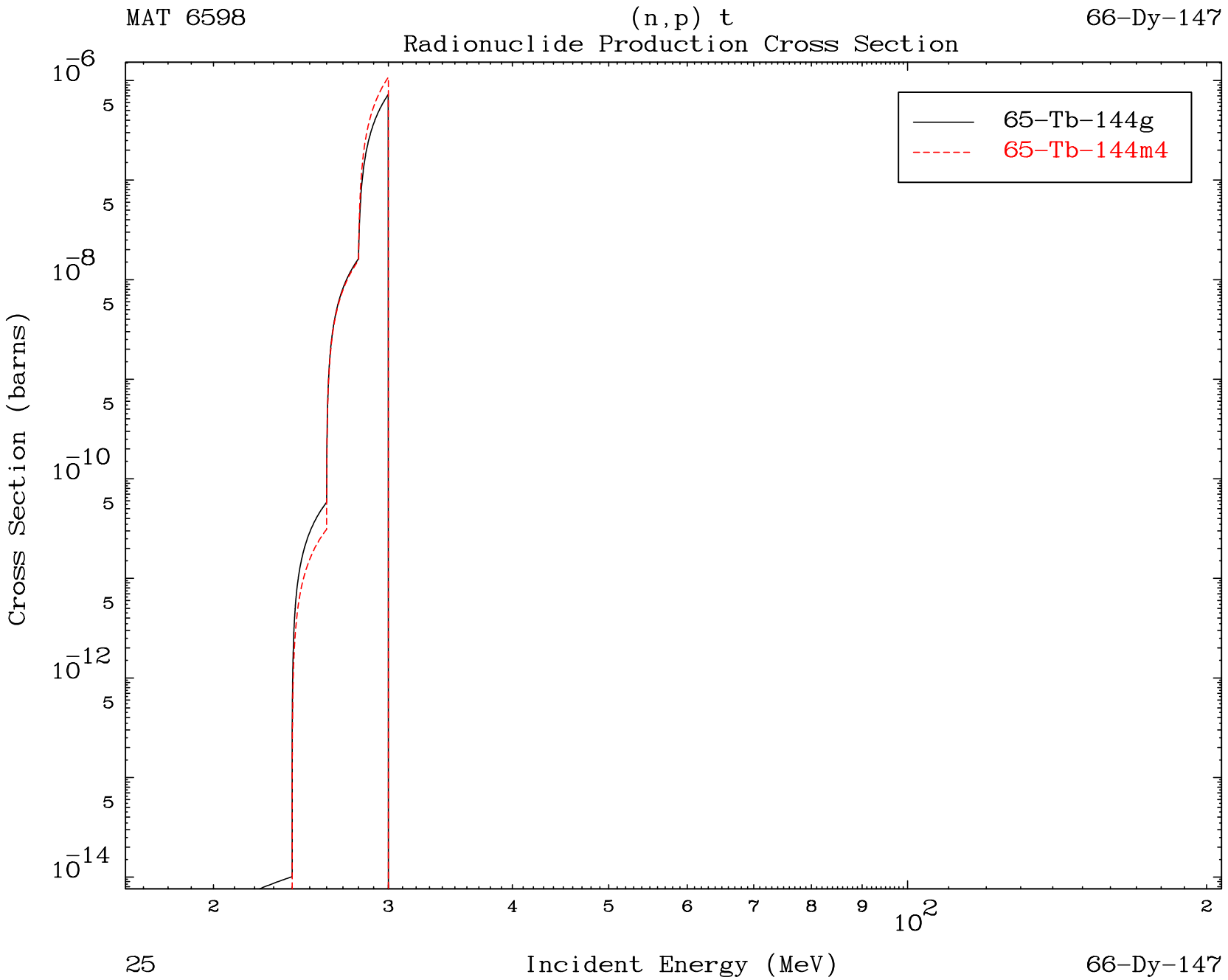

MAT 6598
(n,d)
66-Dy-147
Radionuclide Production Cross Section
66-Dy-146g
66-Dy-146m11
Cross Section (barns)
Incident Energy (MeV)
20
66-Dy-147


MAT 6598
(n,t)
66-Dy-147
Radionuclide Production Cross Section
66-Dy-145g
66-Dy-145m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^2
21
66-Dy-147


MAT 6598
(n,α)
66-Dy-147
Radionuclide Production Cross Section
65-Tb-144g
65-Tb-144m4
Cross Section (barns)
10-2
10-4
10-6
10-8
5
100
101
102
2
4
6
8
22
Incident Energy (MeV)
66-Dy-147


MAT 6598
(n,2p)
66-Dy-147
Radionuclide Production Cross Section
65-Tb-146g
65-Tb-146m2
Cross Section (barns)
Incident Energy (MeV)
23
66-Dy-147


MAT 6598
(n,p) α
66-Dy-147
Radionuclide Production Cross Section
64-Gd-143g
64-Gd-143m2
Cross Section (barns)
Incident Energy (MeV)
24
66-Dy-147


MAT 6598
(n,p) t
66-Dy-147
Radionuclide Production Cross Section
65-Tb-144g
65-Tb-144m4
Cross Section (barns)
Incident Energy (MeV)
25
66-Dy-147