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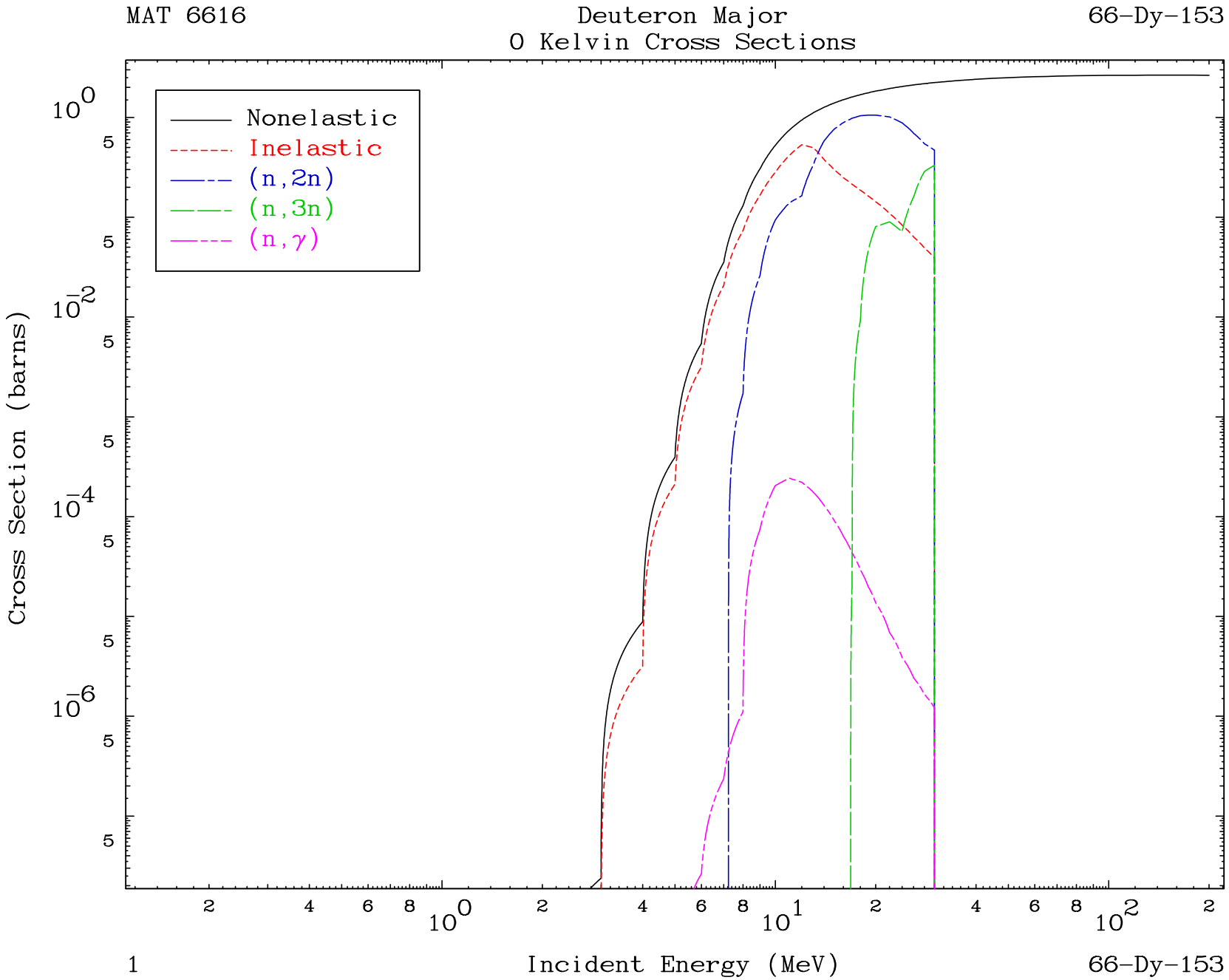
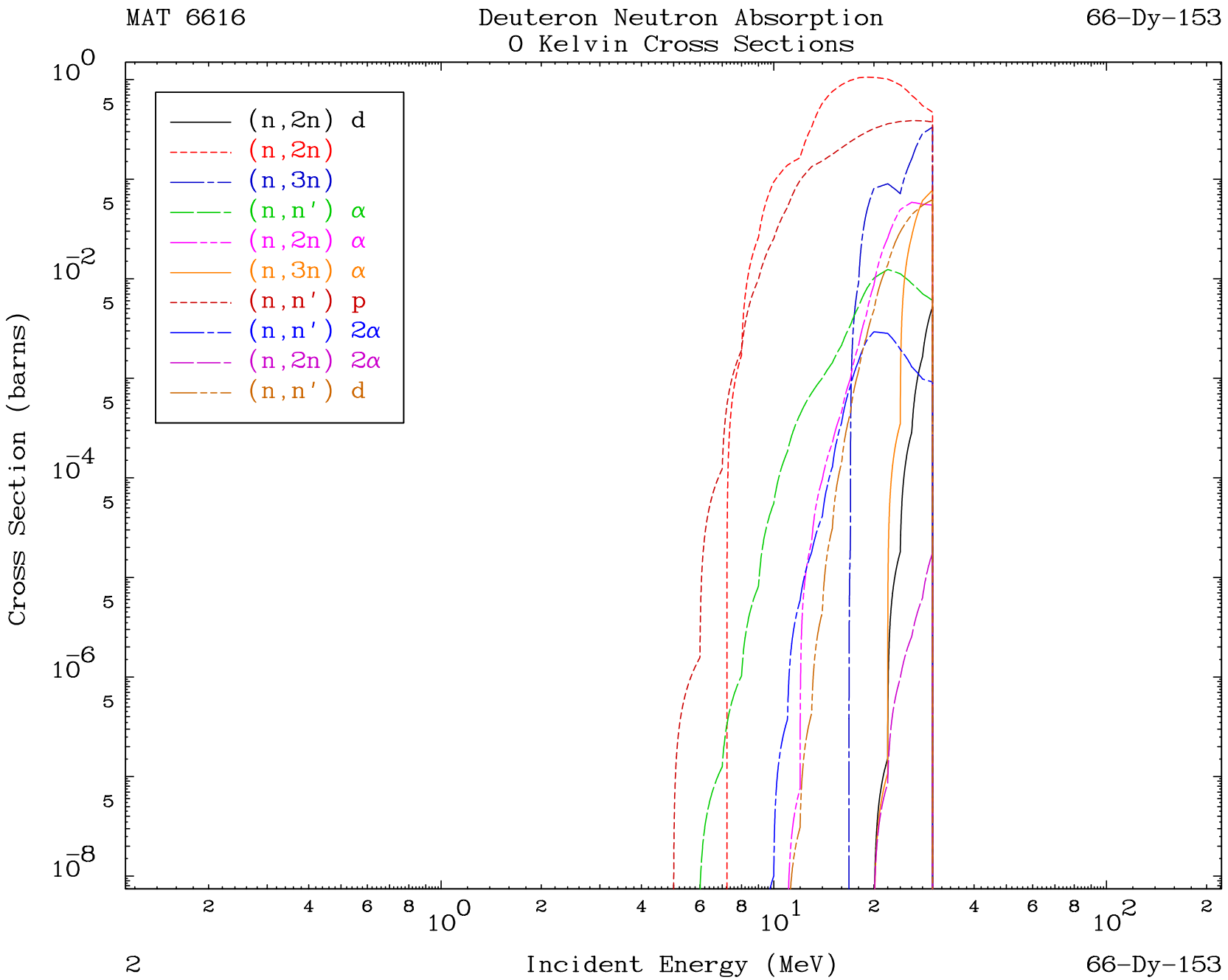
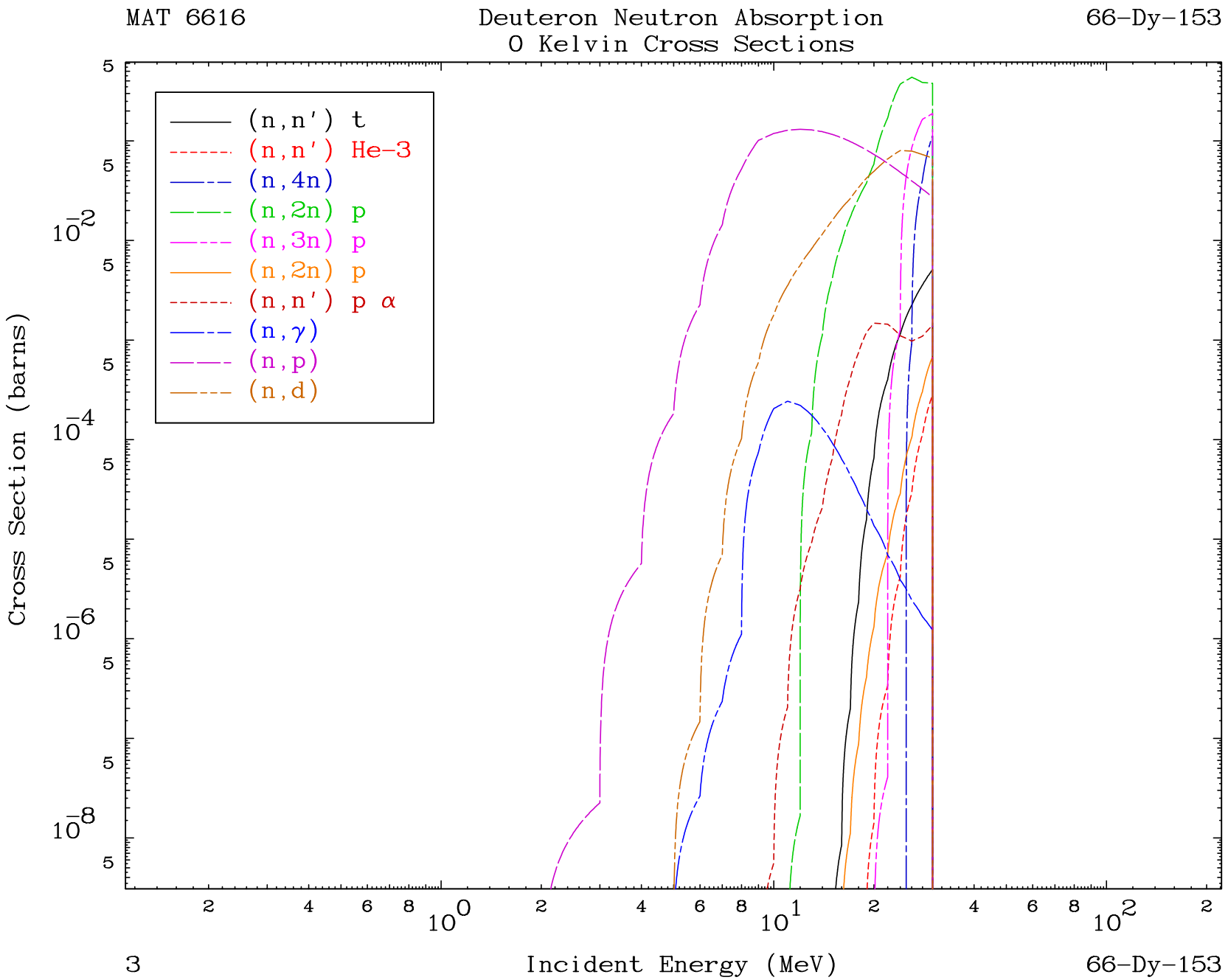
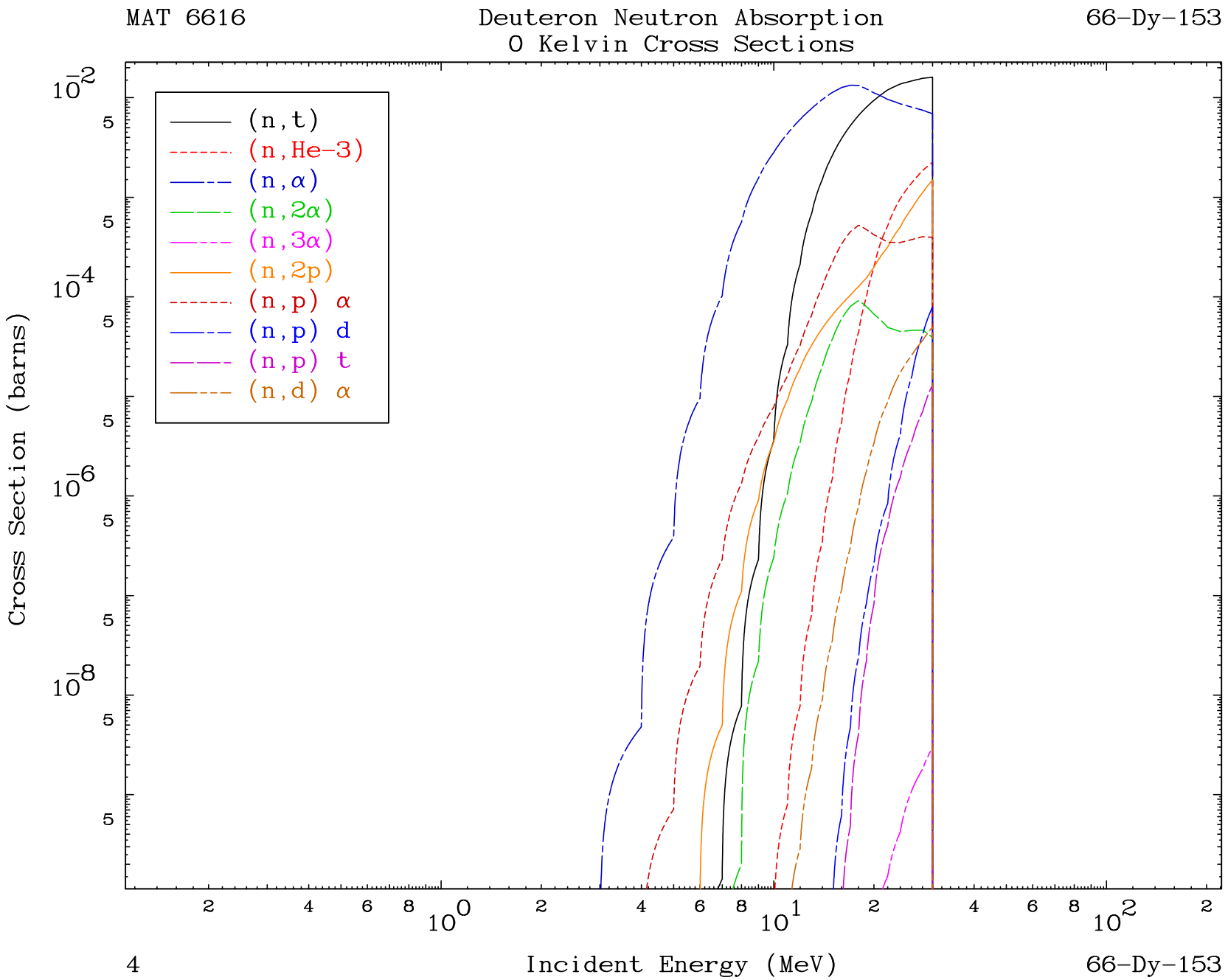
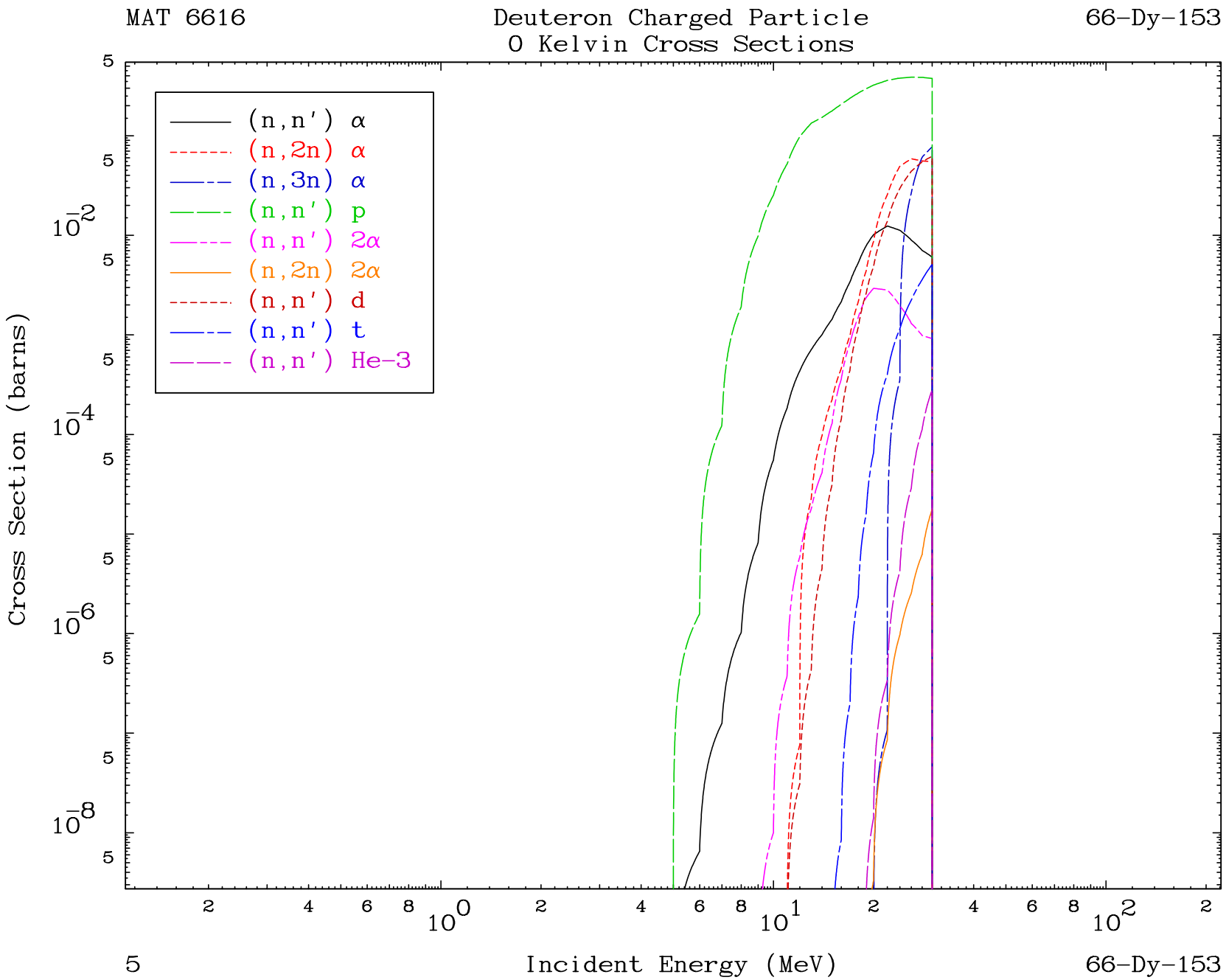
Press Mouse Button to Start

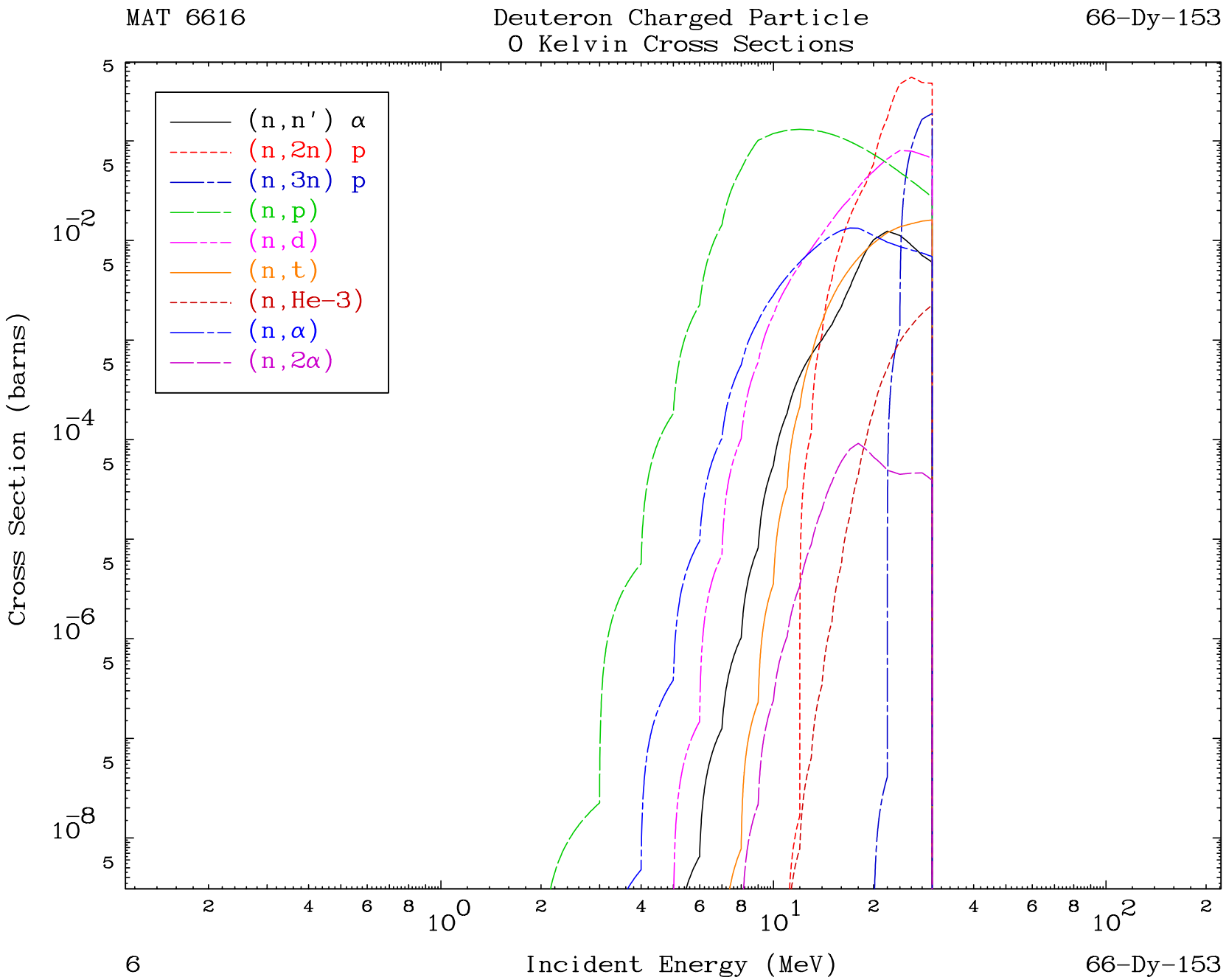

MAT 6616
Deuteron Major
66-Dy-153
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
66-Dy-153
1

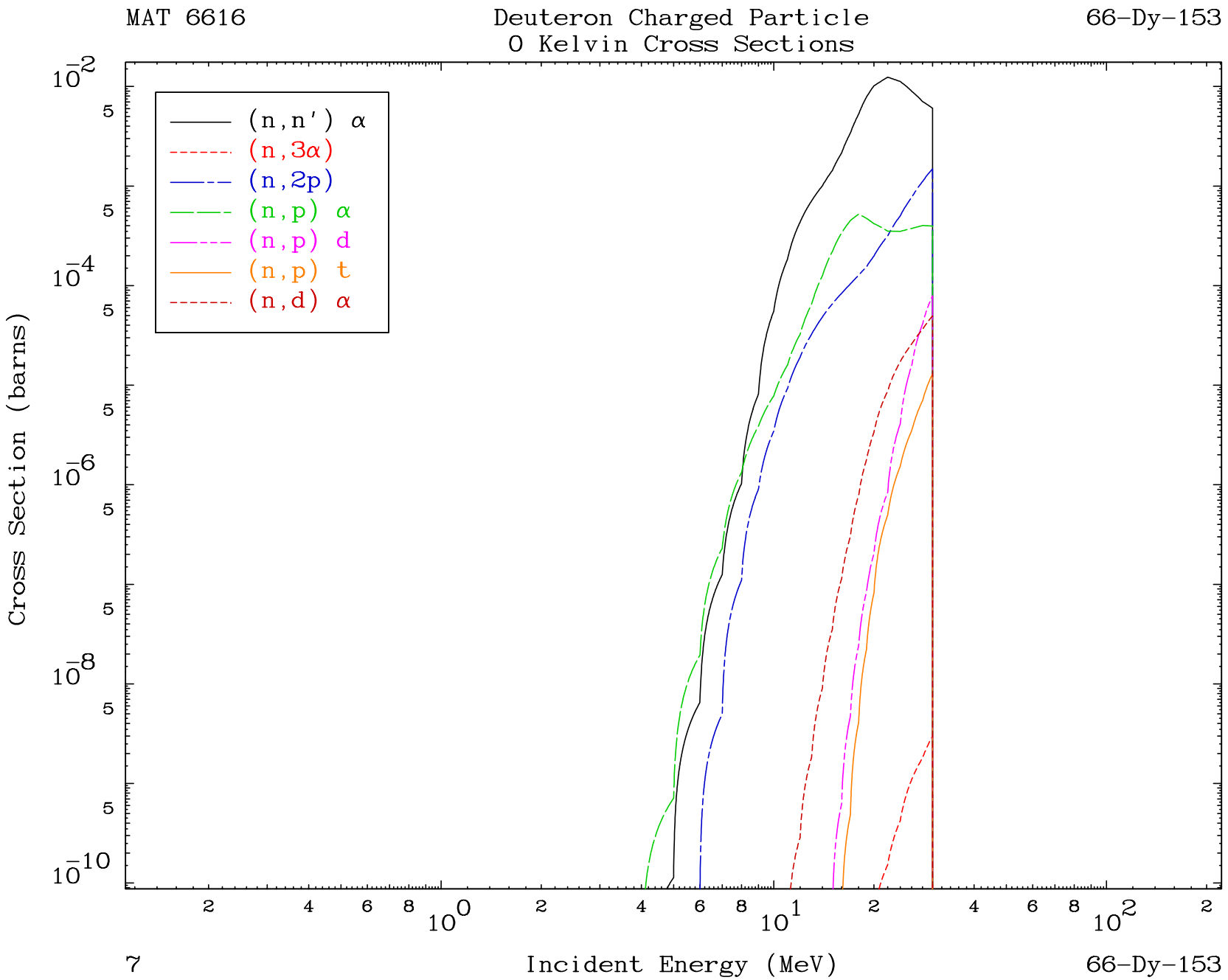

MAT 6616
Deuteron Neutron Absorption
0 Kelvin Cross Sections
66-Dy-153
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
66-Dy-153

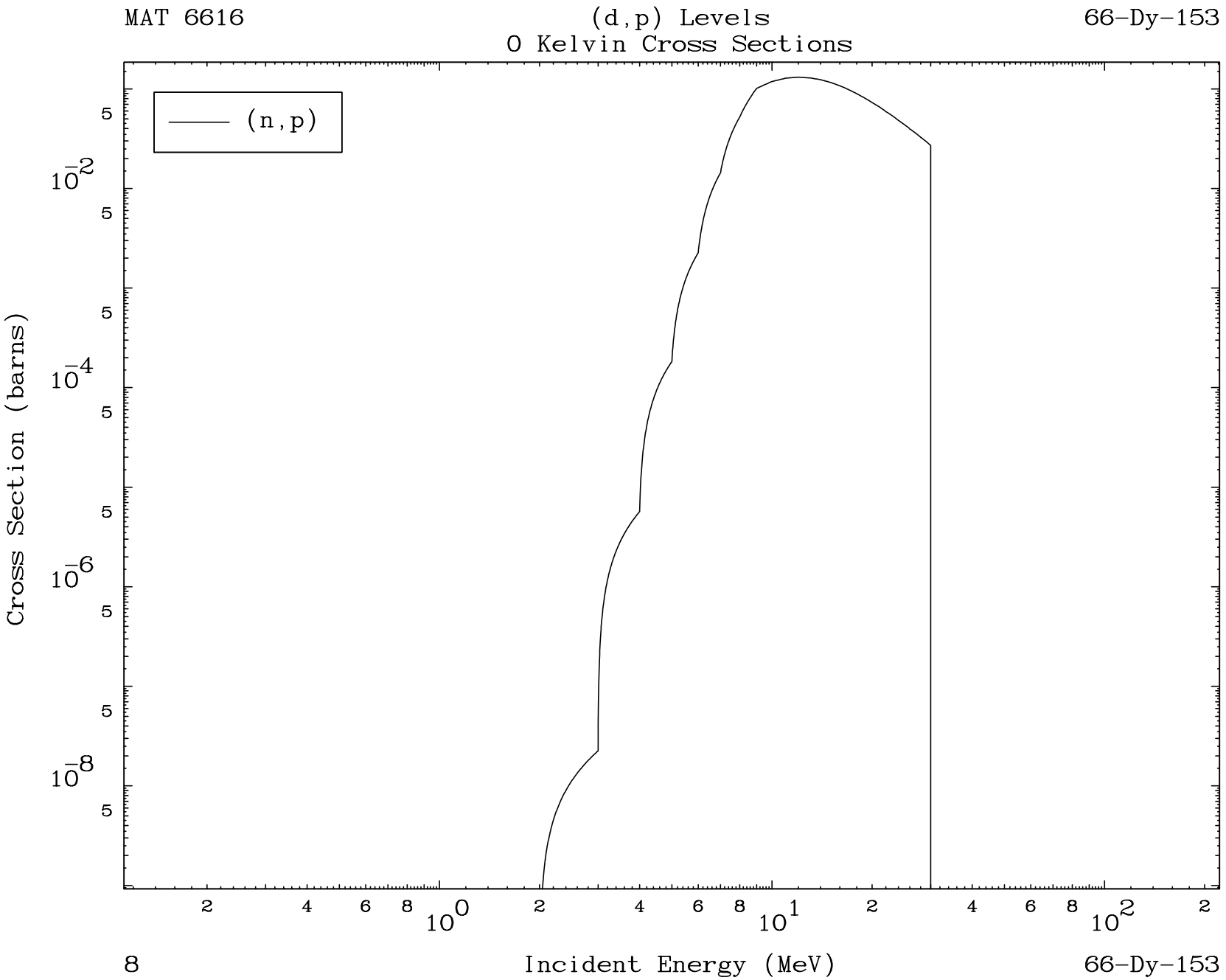

MAT 6616
Deuteron Neutron Absorption
0 Kelvin Cross Sections
66-Dy-153
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
66-Dy-153

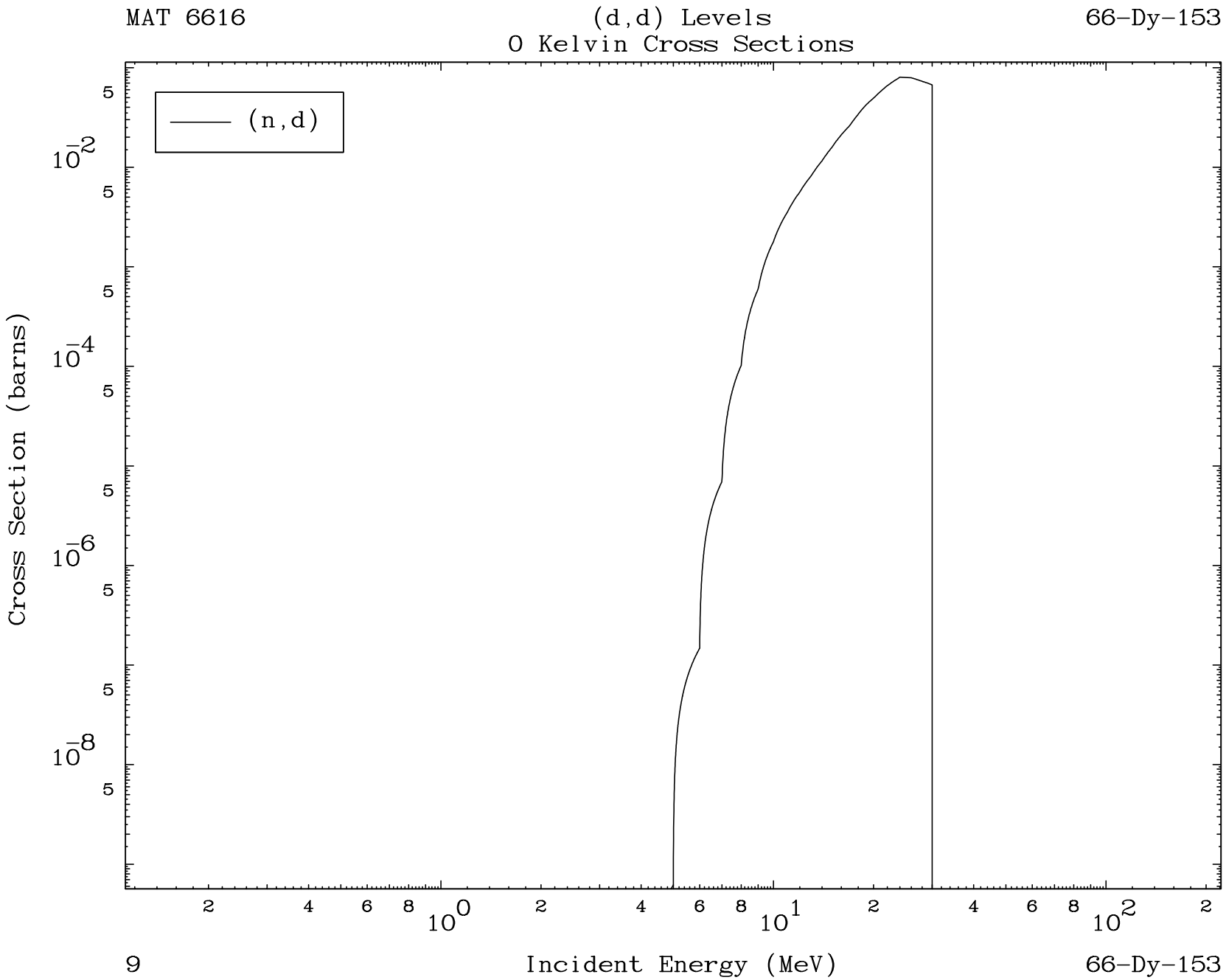

MAT 6616
Deuteron Neutron Absorption
0 Kelvin Cross Sections
66-Dy-153
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
66-Dy-153

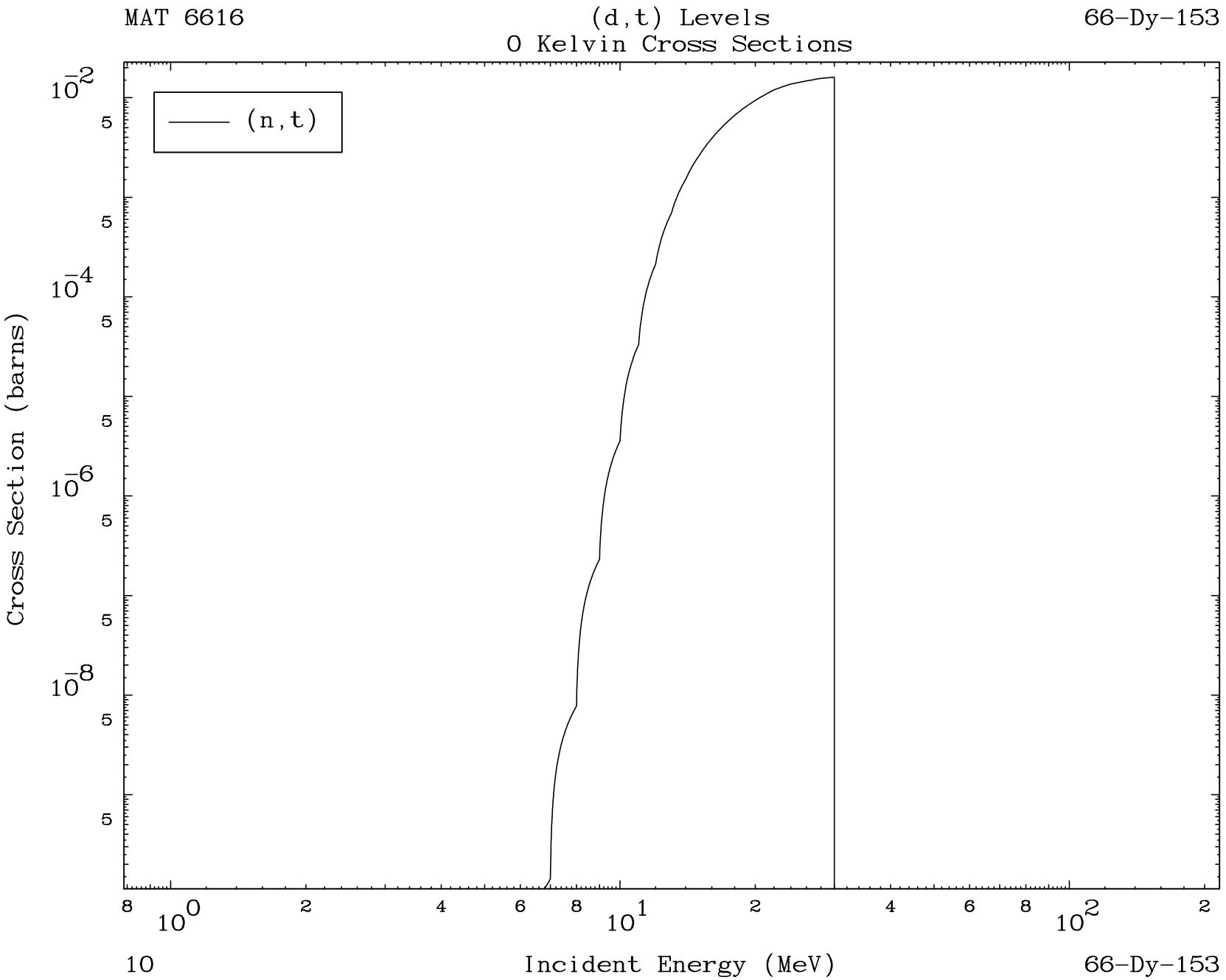

MAT 6616
Deuteron Charged Particle
0 Kelvin Cross Sections
66-Dy-153
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
66-Dy-153


MAT 6616
Deuteron Charged Particle
0 Kelvin Cross Sections
66-Dy-153
(n,n') α
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
6
66-Dy-153

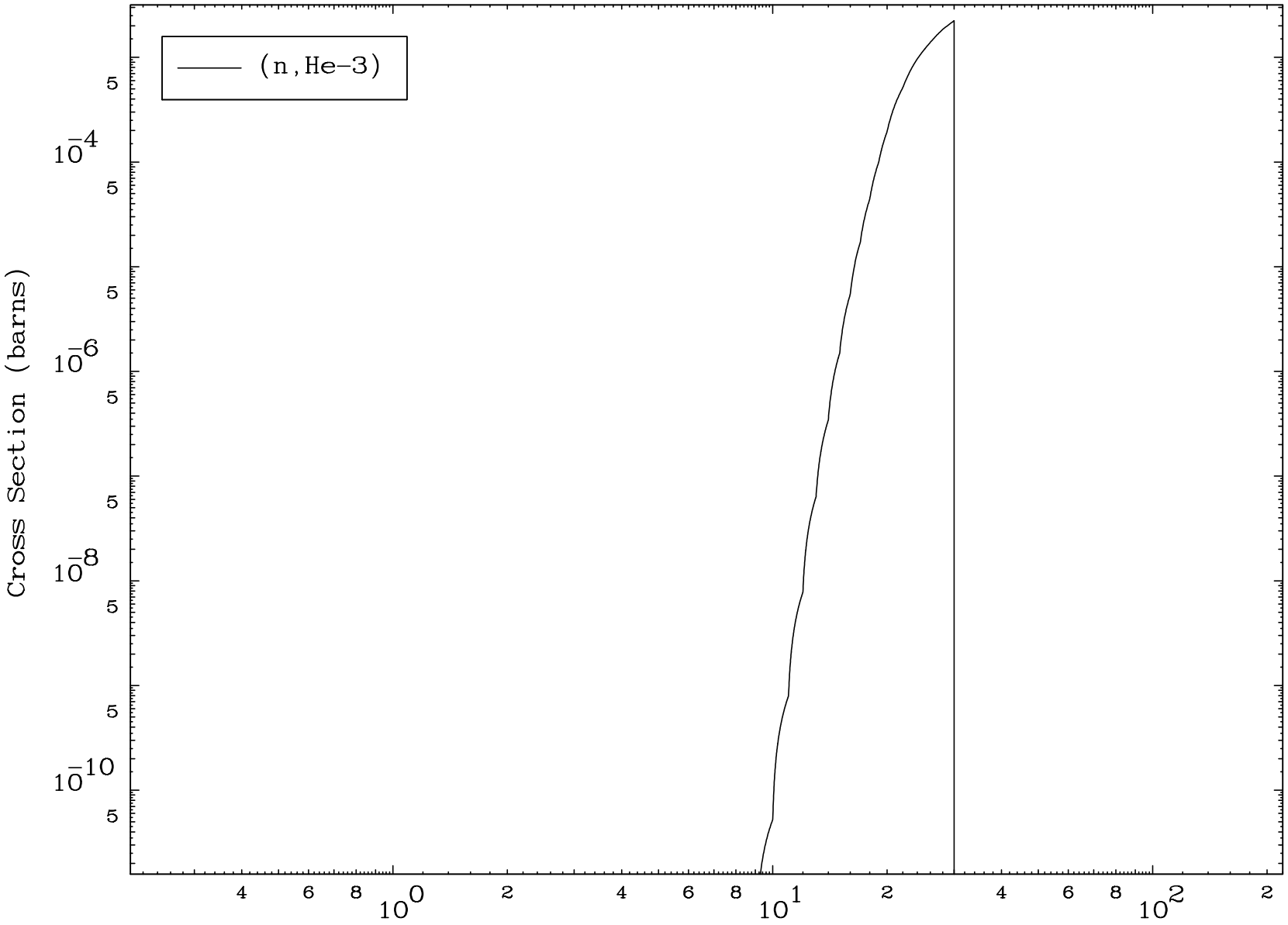

MAT 6616
Deuteron Charged Particle
0 Kelvin Cross Sections
66-Dy-153
(n,n') α
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
66-Dy-153

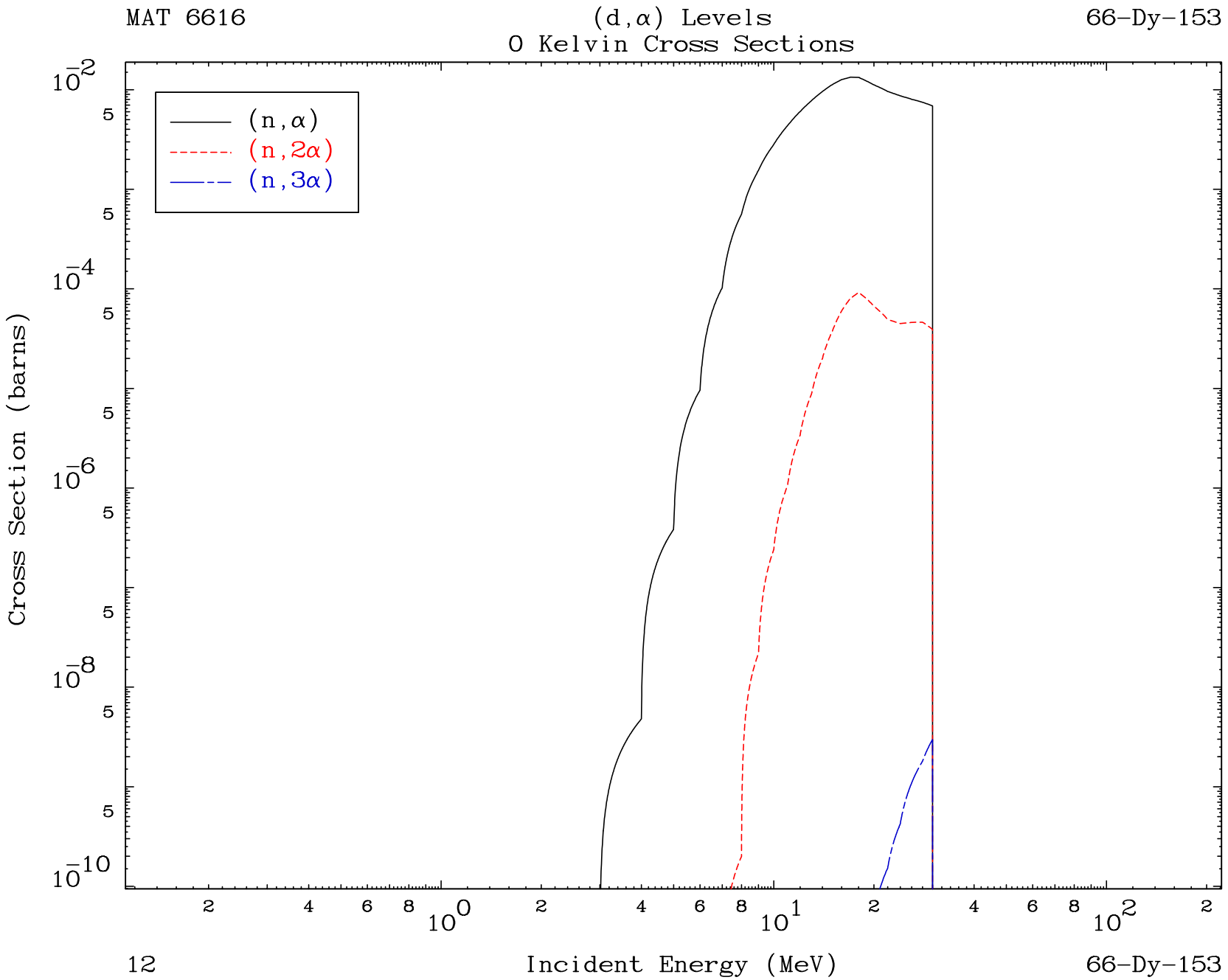

MAT 6616
(d,p) Levels
66-Dy-153
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
66-Dy-153

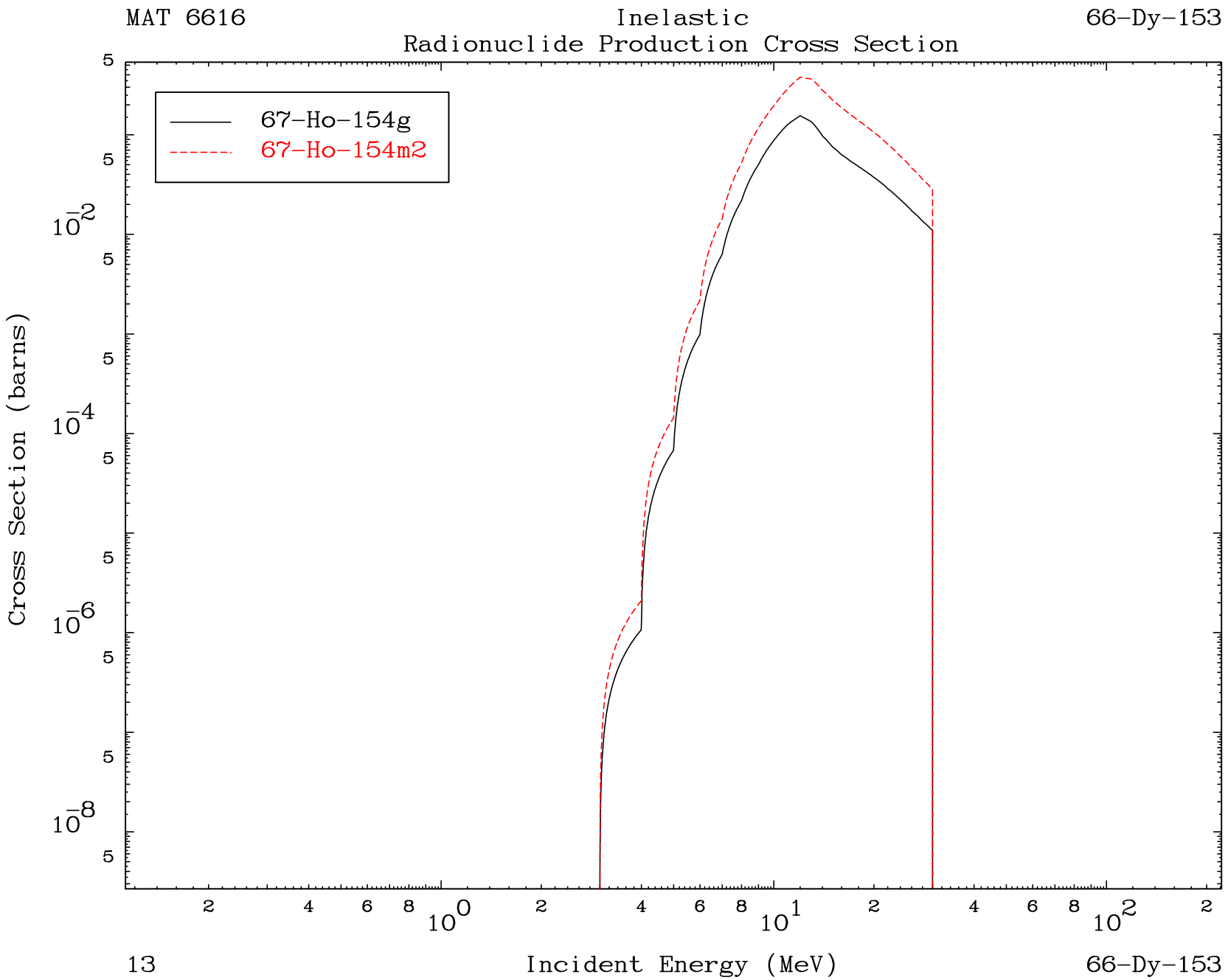

MAT 6616
(d,d) Levels
66-Dy-153
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
66-Dy-153

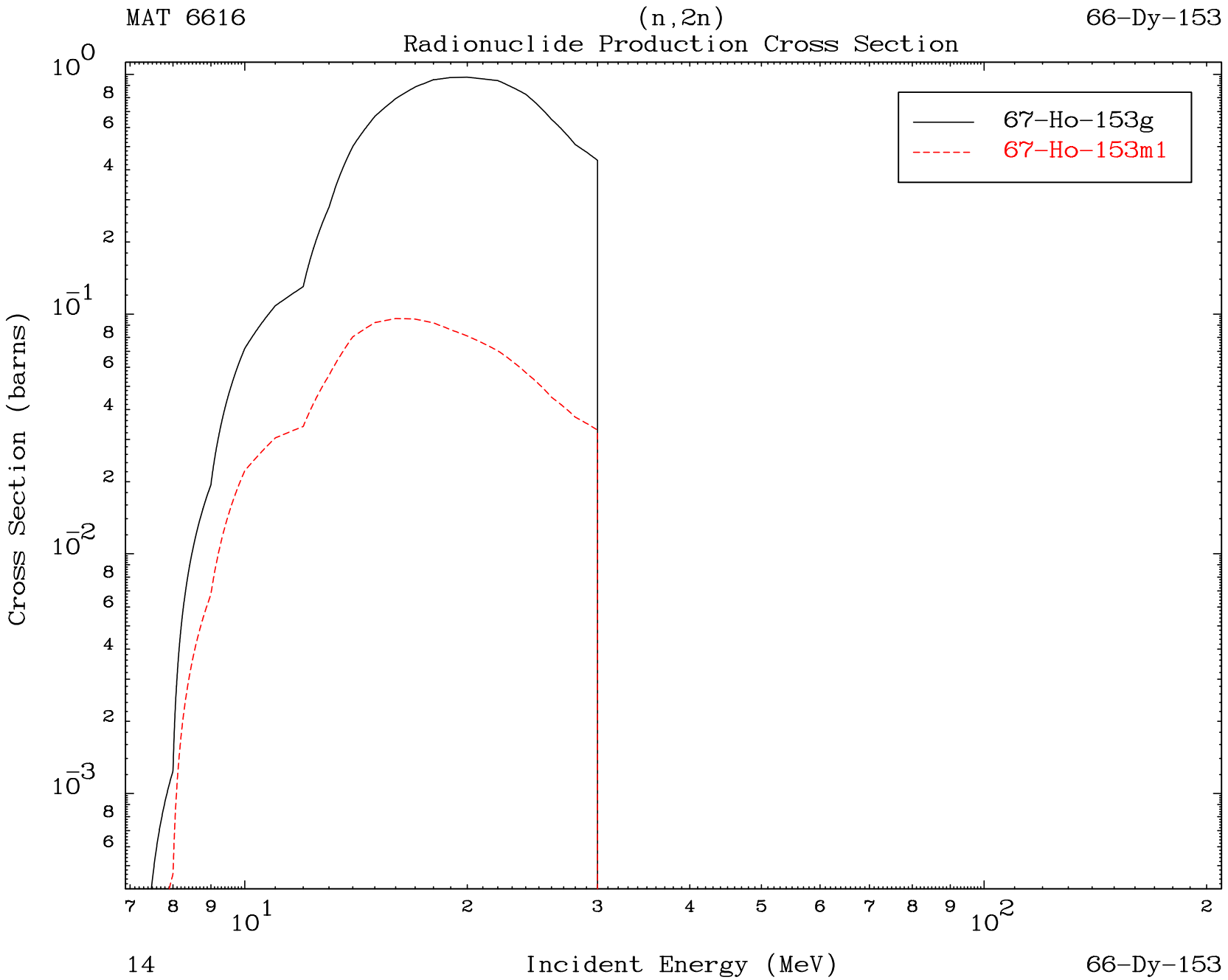

MAT 6616
(d,t) Levels
66-Dy-153
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
66-Dy-153

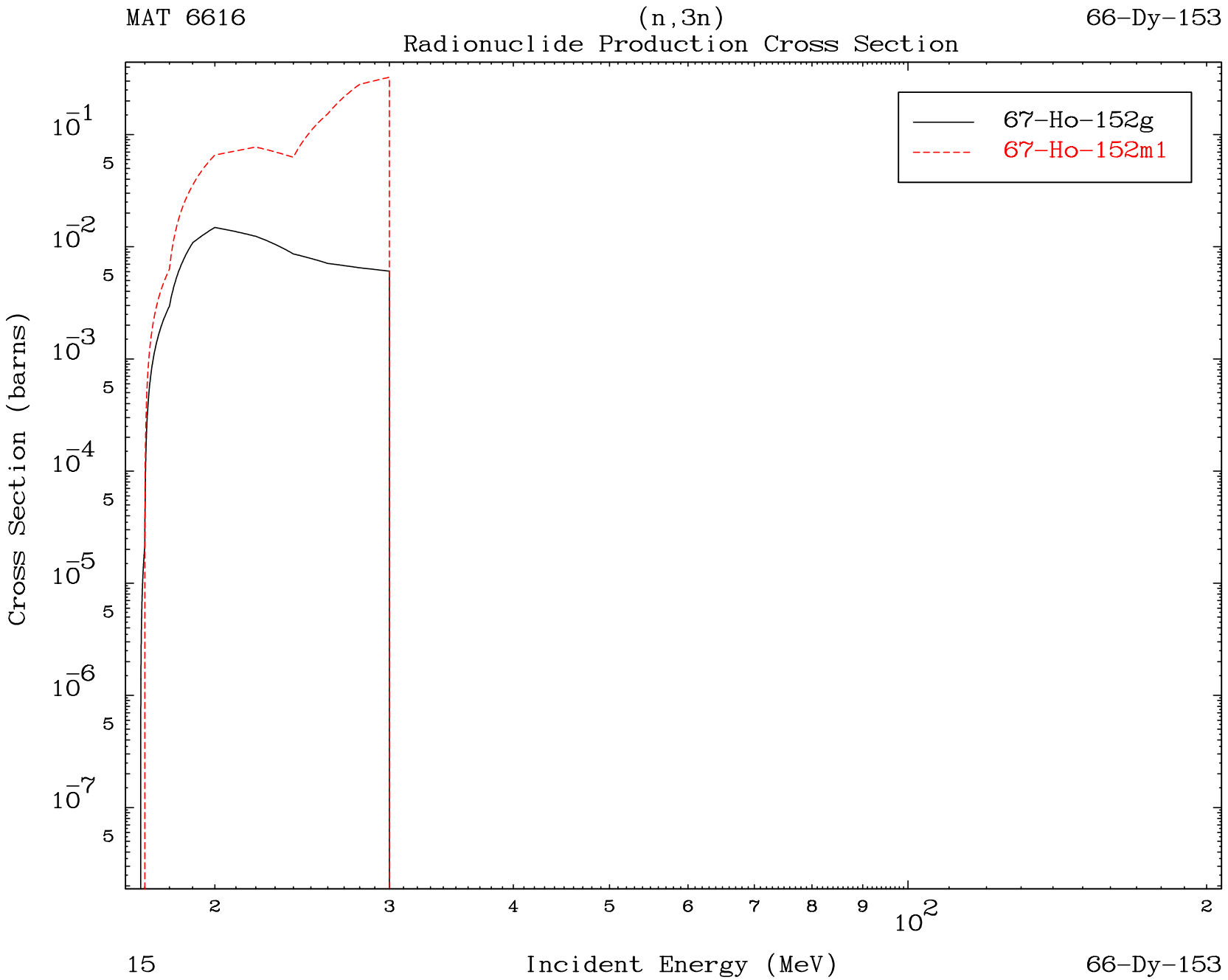
0 Kelvin Cross Sections

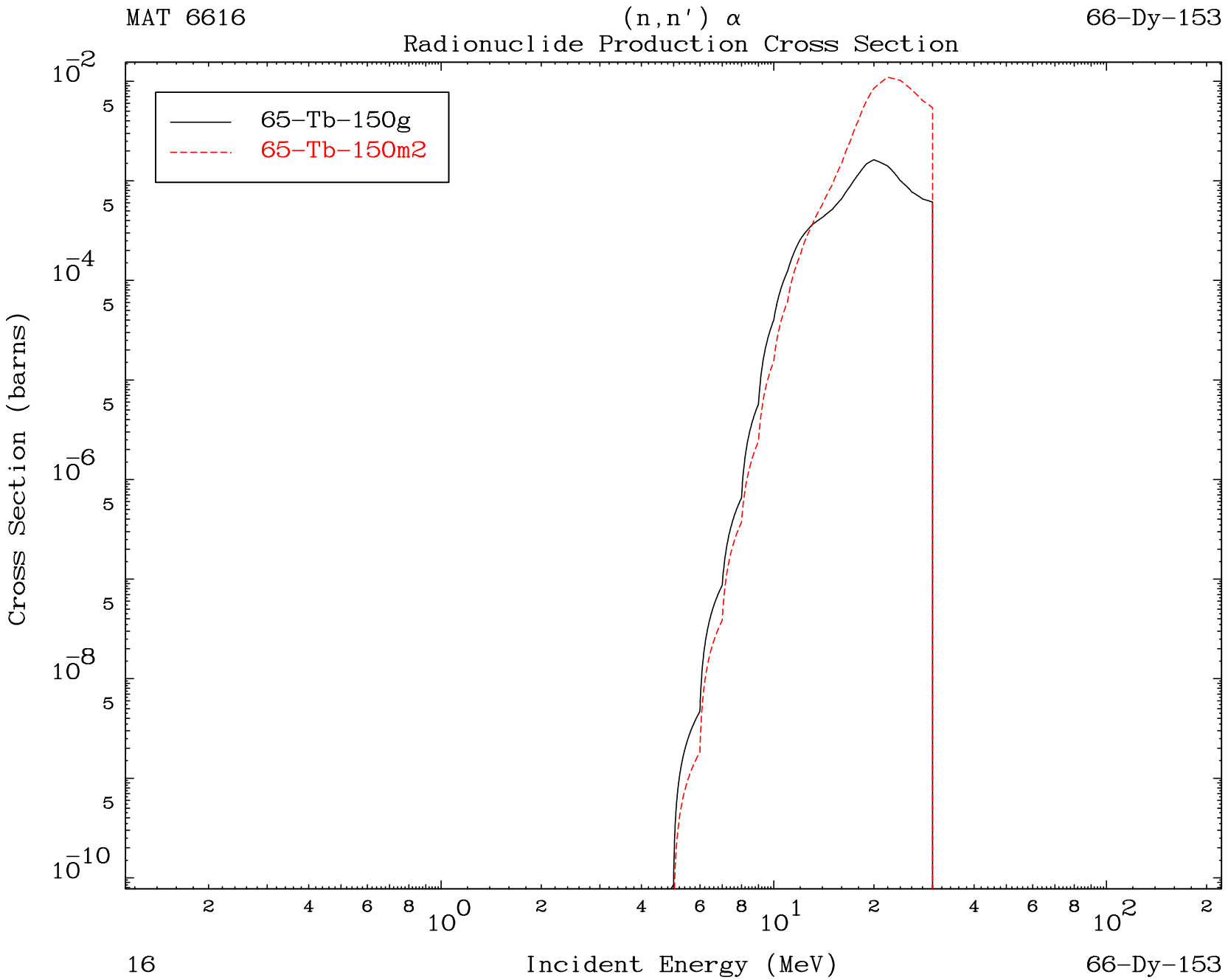


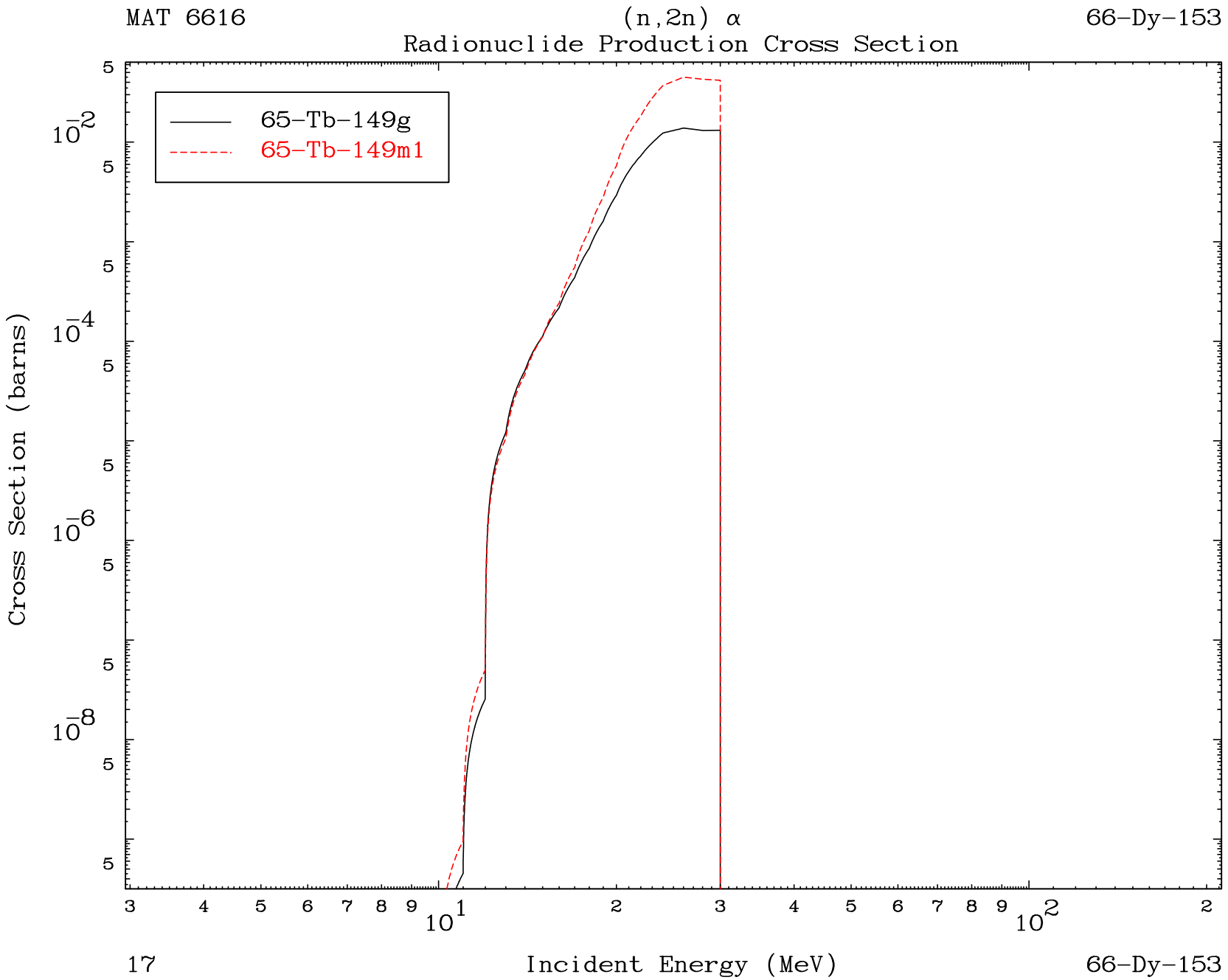

MAT 6616
(d,α) Levels
66-Dy-153
0 Kelvin Cross Sections
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
10^0
10^1
10^2
Incident Energy (MeV)
12
66-Dy-153

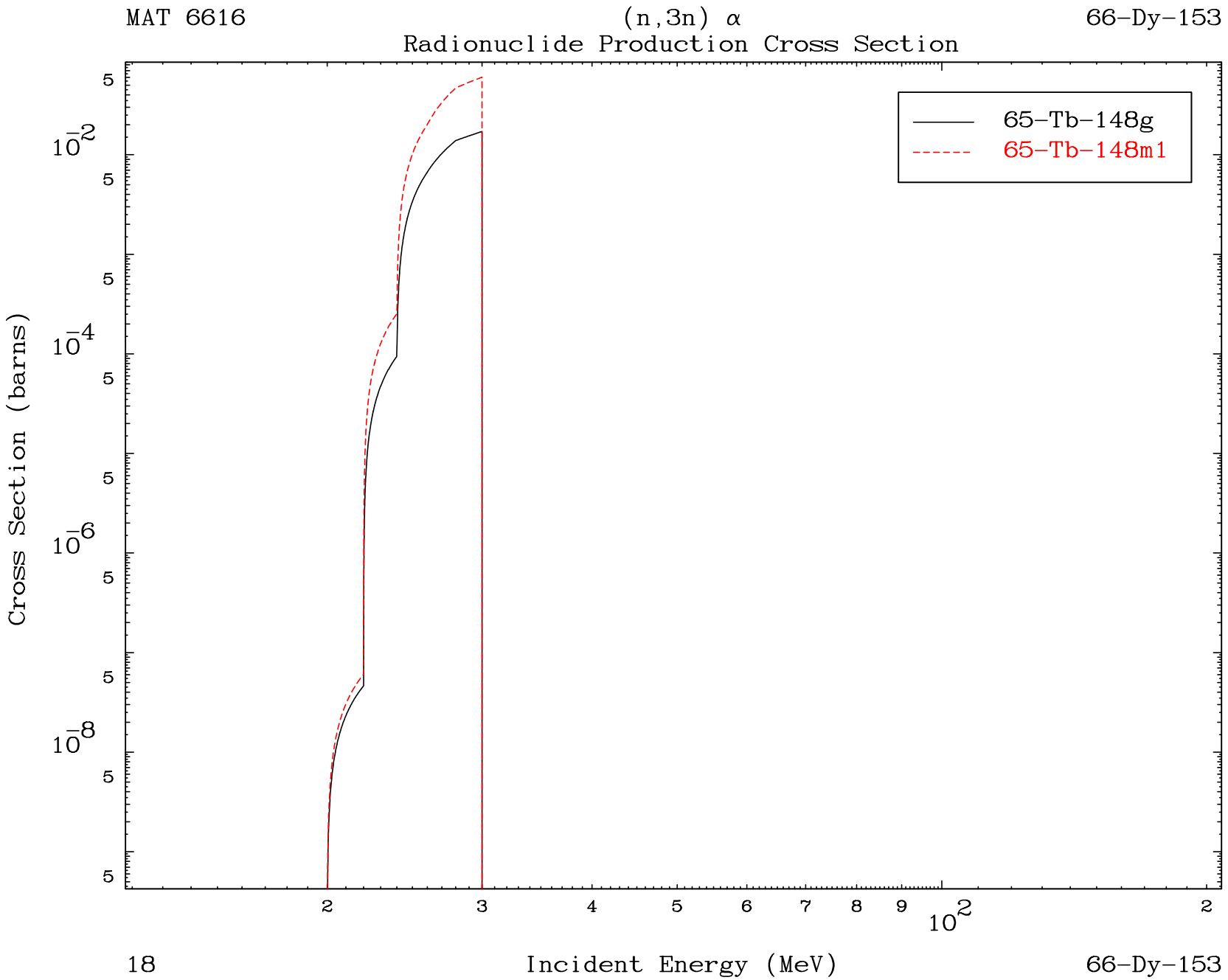

MAT 6616
Inelastic
66-Dy-153
Radionuclide Production Cross Section
67-Ho-154g
67-Ho-154m2
Cross Section (barns)
Incident Energy (MeV)
13
66-Dy-153

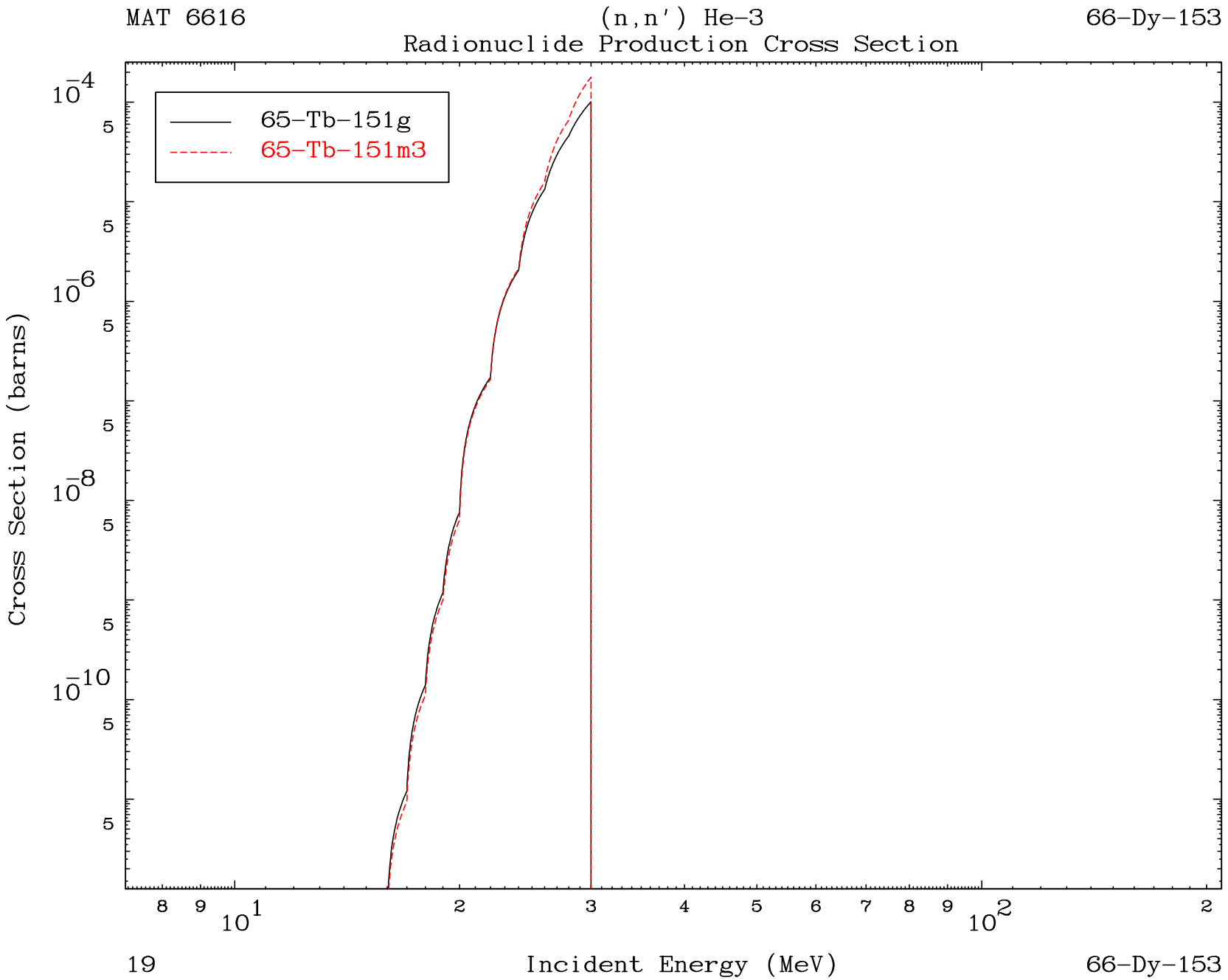

MAT 6616
(n,2n)
66-Dy-153
Radionuclide Production Cross Section
67-Ho-153g
67-Ho-153m1
Cross Section (barns)
Incident Energy (MeV)
14
66-Dy-153

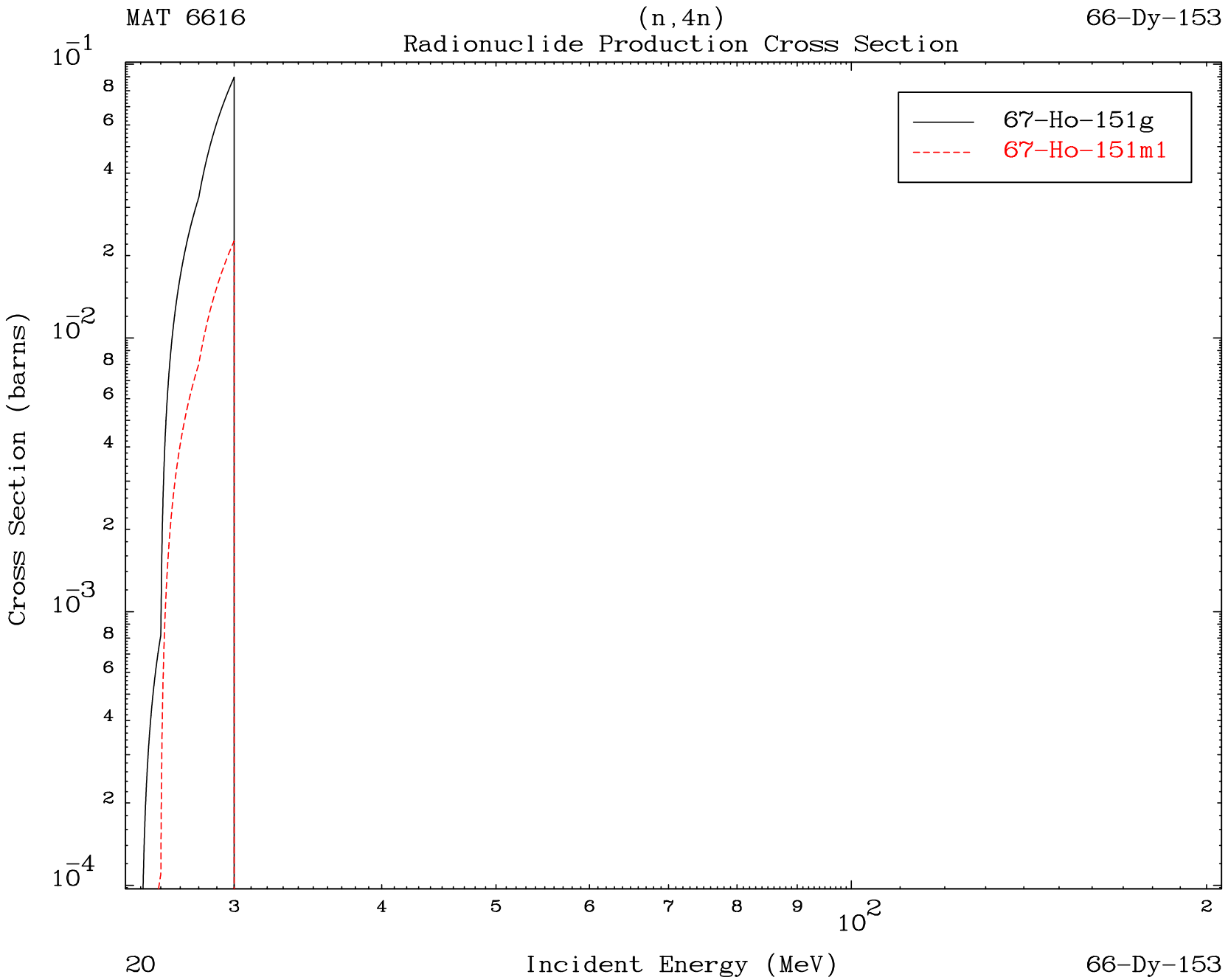

MAT 6616
(n,3n)
66-Dy-153
Radionuclide Production Cross Section
67-Ho-152g
67-Ho-152m1
Cross Section (barns)
Incident Energy (MeV)
15
66-Dy-153

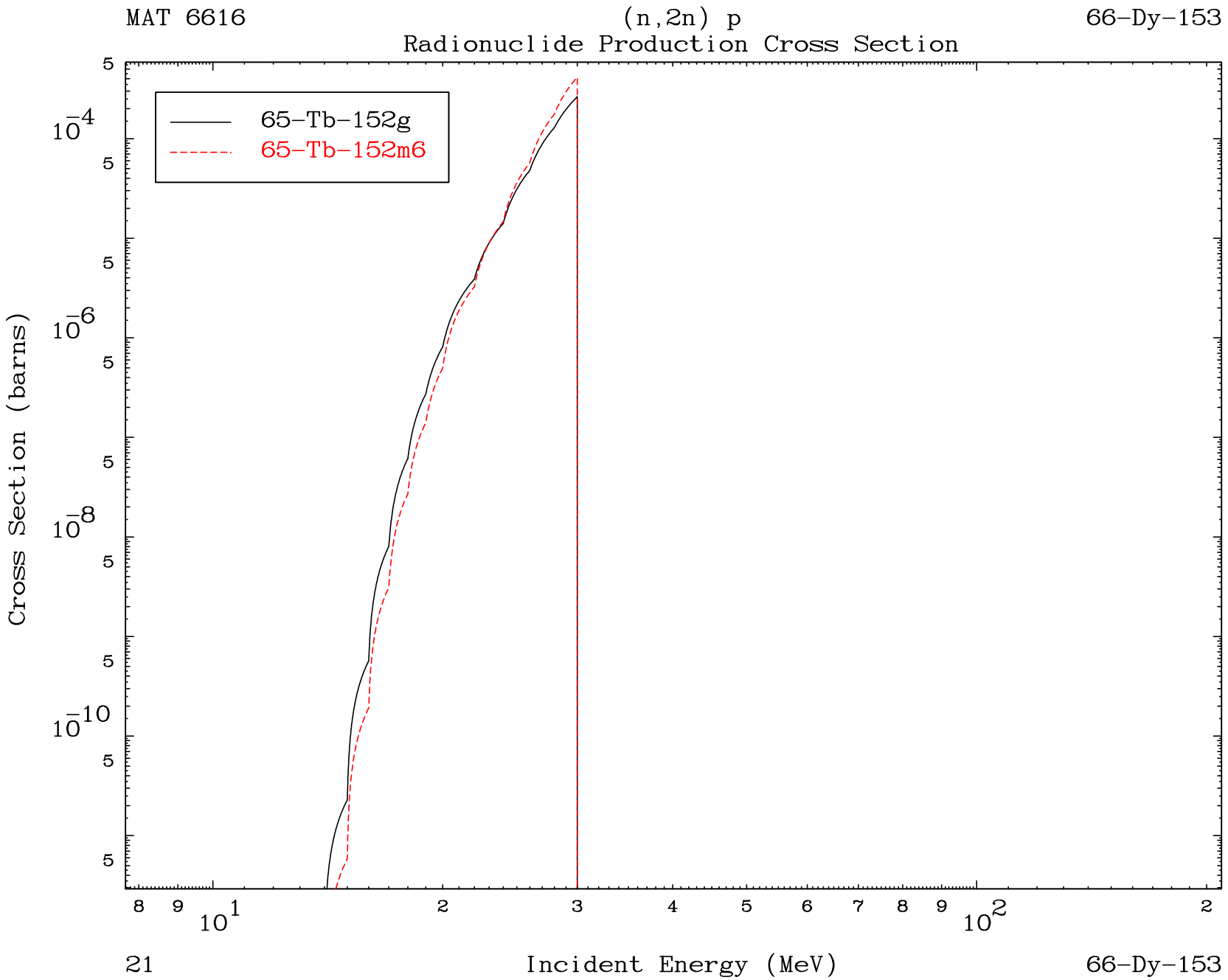

MAT 6616
(n,n') α
66-Dy-153
Radionuclide Production Cross Section
65-Tb-150g
65-Tb-150m2
Cross Section (barns)
Incident Energy (MeV)
16
66-Dy-153

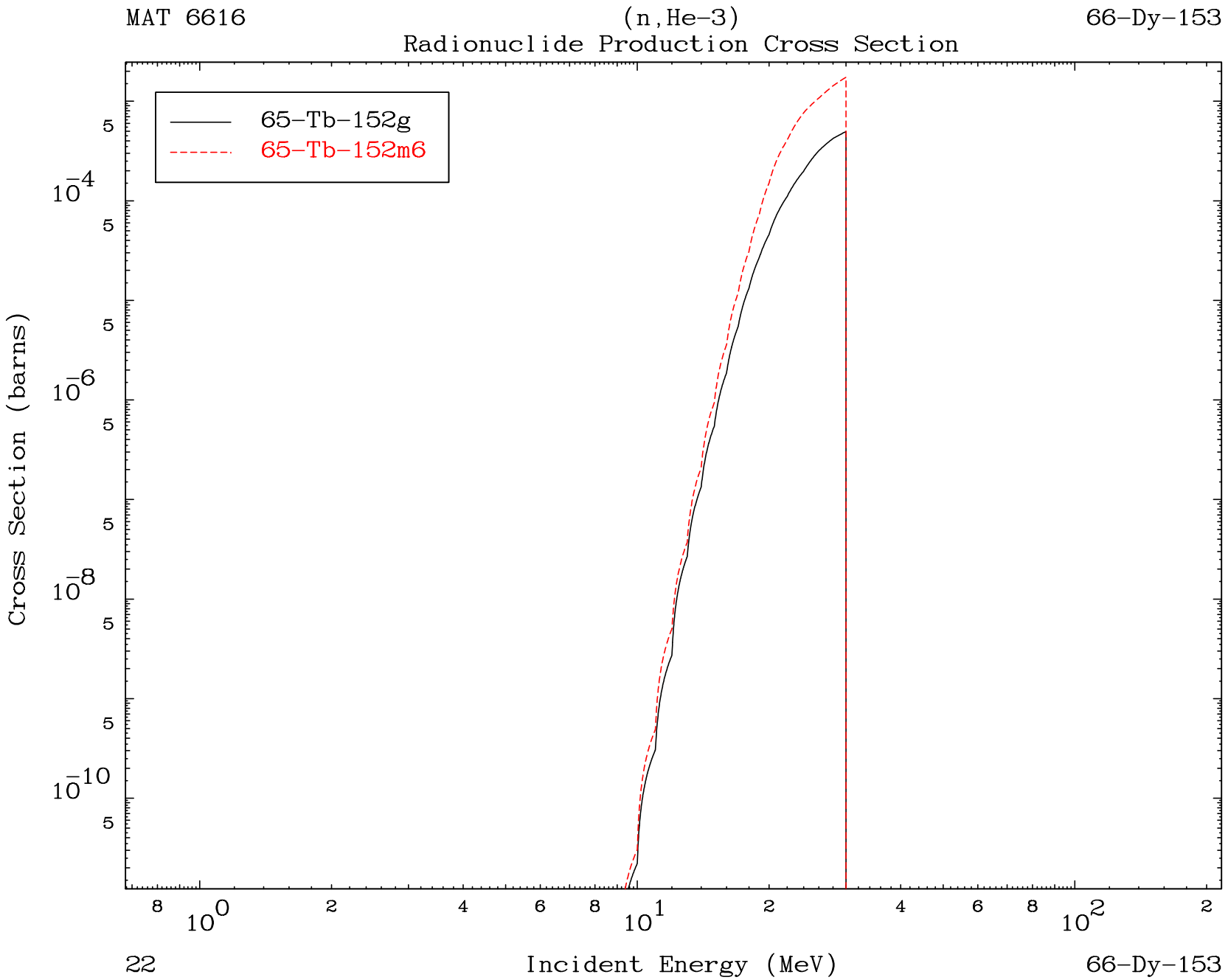

MAT 6616
(n,2n) α
66-Dy-153
Radionuclide Production Cross Section
65-Tb-149g
65-Tb-149m1
Cross Section (barns)
Incident Energy (MeV)
17
66-Dy-153

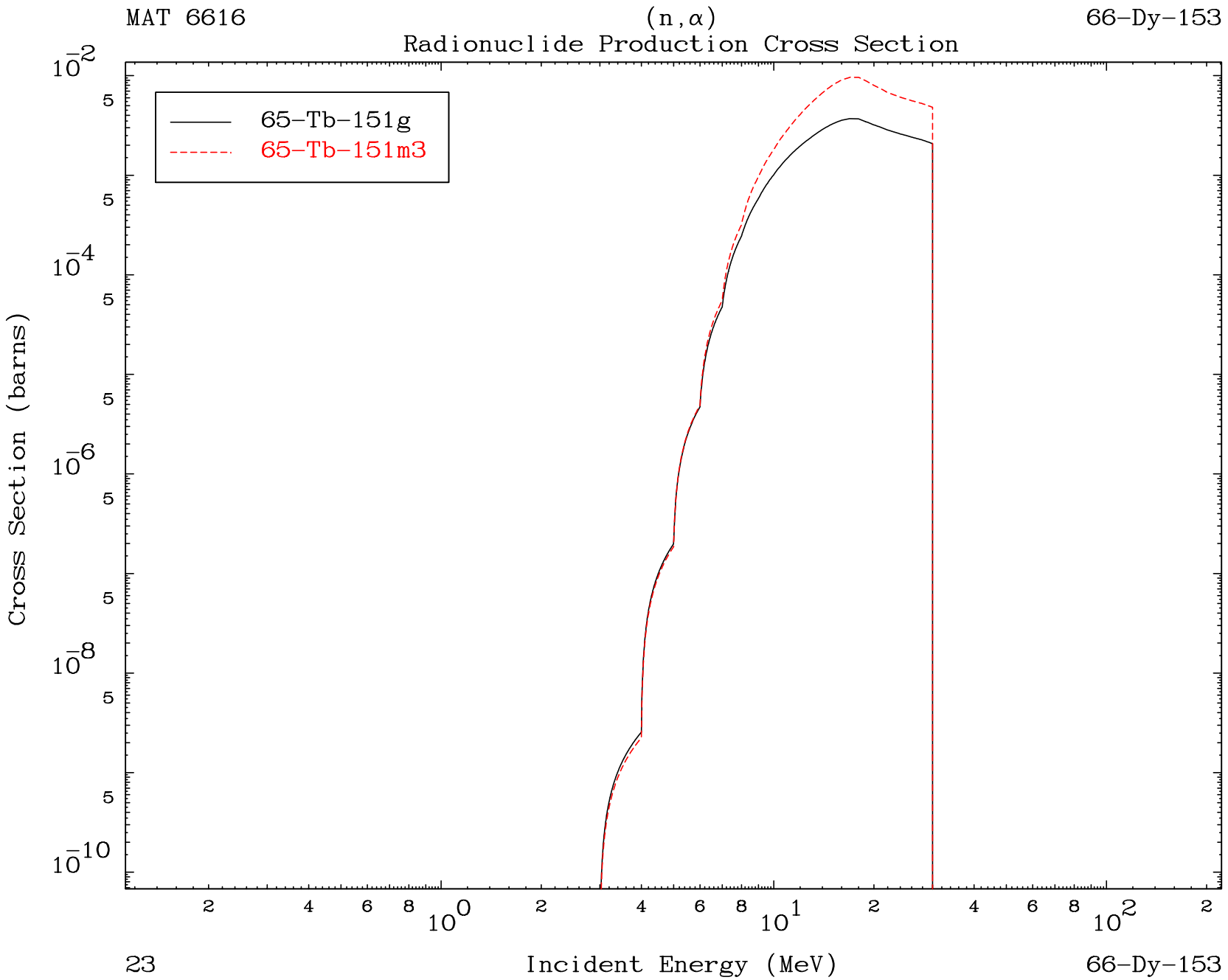

MAT 6616
(n,3n) α
66-Dy-153
Radionuclide Production Cross Section
65-Tb-148g
65-Tb-148m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
66-Dy-153

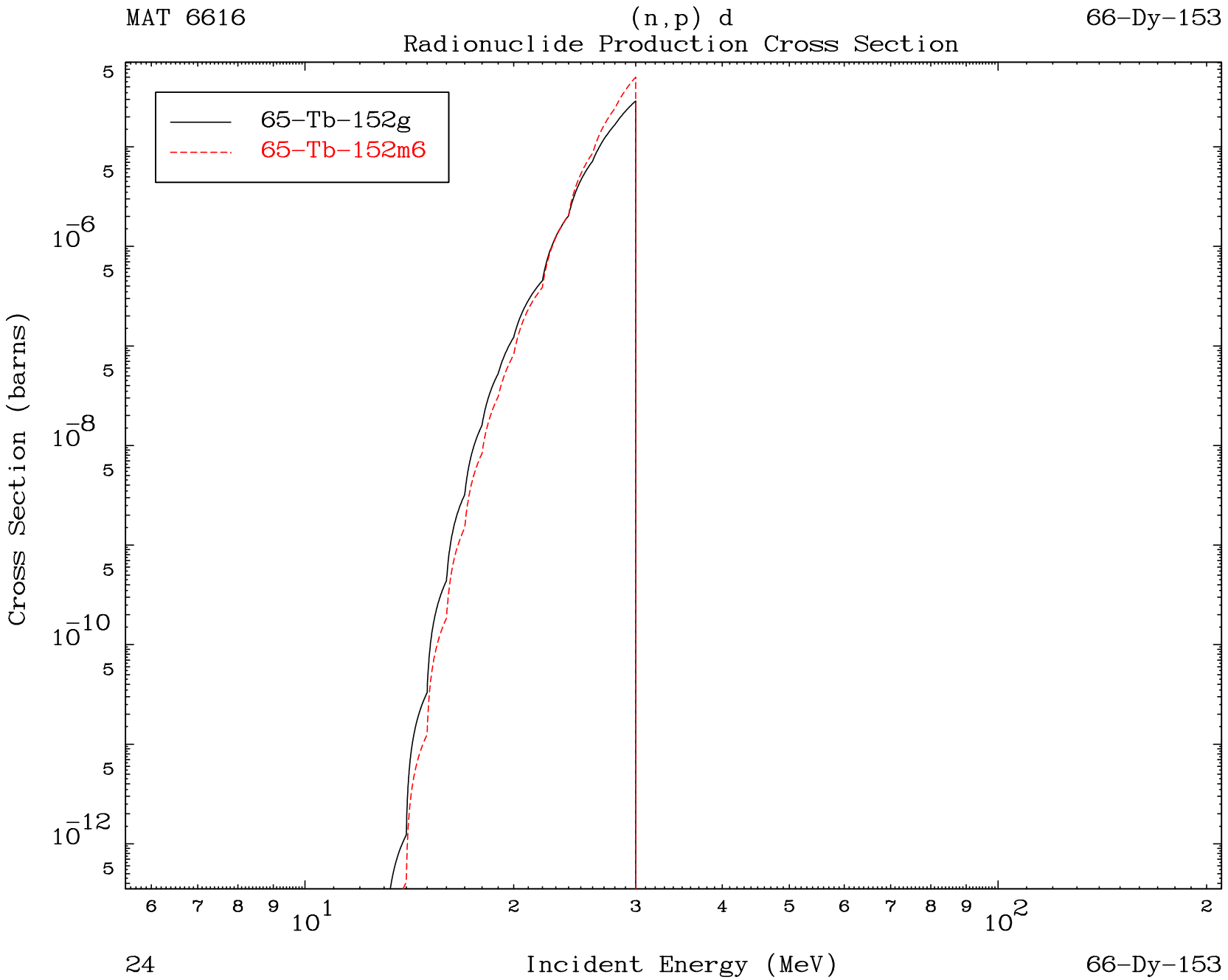

MAT 6616
(n,n') He-3
66-Dy-153
Radionuclide Production Cross Section
65-Tb-151g
65-Tb-151m3
Cross Section (barns)
Incident Energy (MeV)
19
66-Dy-153


MAT 6616
(n,4n)
66-Dy-153
Radionuclide Production Cross Section
67-Ho-151g
67-Ho-151m1
Cross Section (barns)
Incident Energy (MeV)
20
66-Dy-153


MAT 6616
(n,2n) p
66-Dy-153
Radionuclide Production Cross Section
65-Tb-152g
65-Tb-152m6
Cross Section (barns)
Incident Energy (MeV)
21
66-Dy-153


MAT 6616
(n,He-3)
66-Dy-153
Radionuclide Production Cross Section
65-Tb-152g
65-Tb-152m6
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
22
66-Dy-153


MAT 6616
(n,α)
66-Dy-153
Radionuclide Production Cross Section
65-Tb-151g
65-Tb-151m3
Cross Section (barns)
Incident Energy (MeV)
23
66-Dy-153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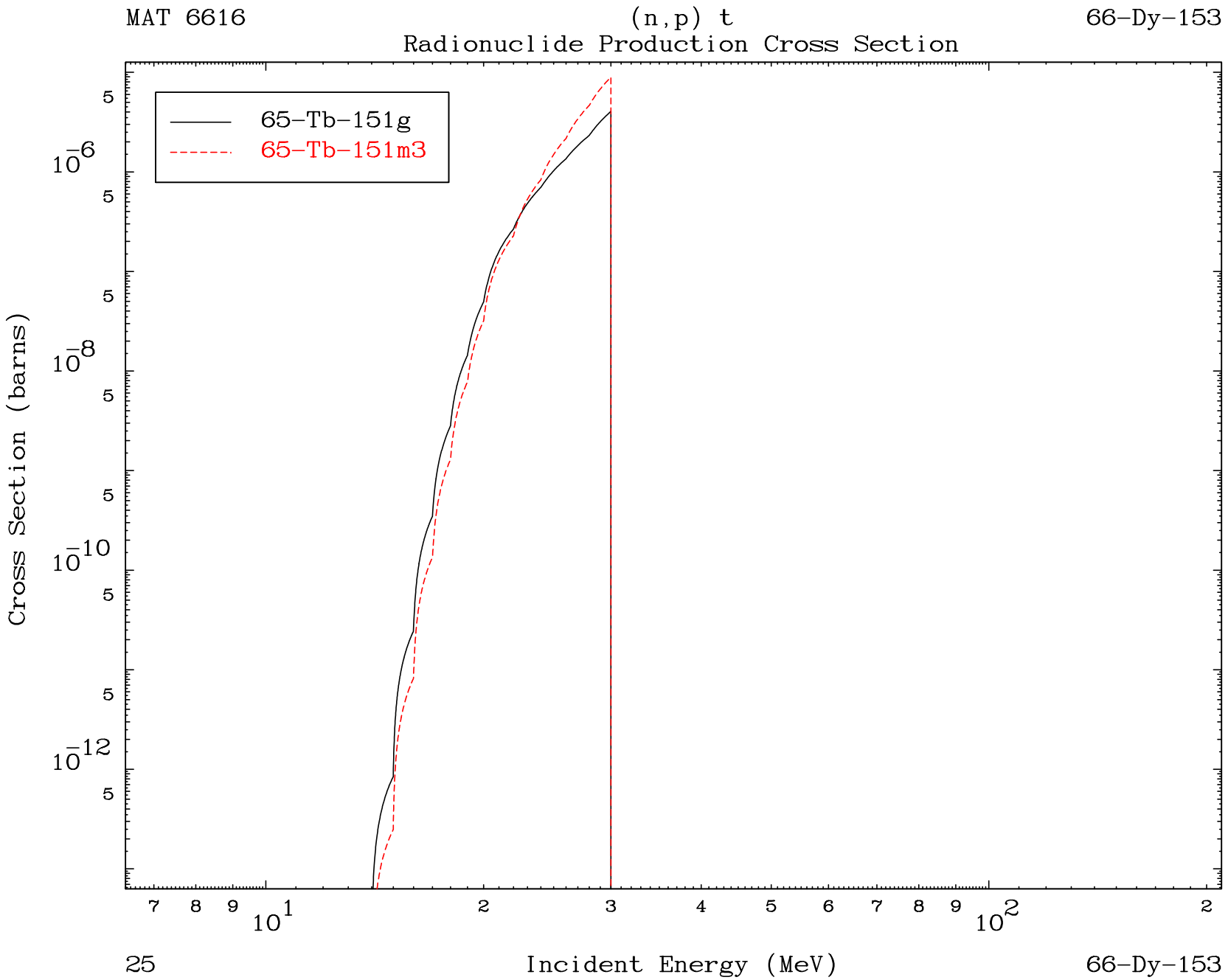
(n,p) d
66-Dy-153
Radionuclide Production Cross Section
65-Tb-152g
65-Tb-152m6
Cross Section (barns)
Incident Energy (MeV)
24
66-Dy-153


MAT 6616
(n,p) t
66-Dy-153
Radionuclide Production Cross Section
65-Tb-151g
65-Tb-151m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
25
66-Dy-153