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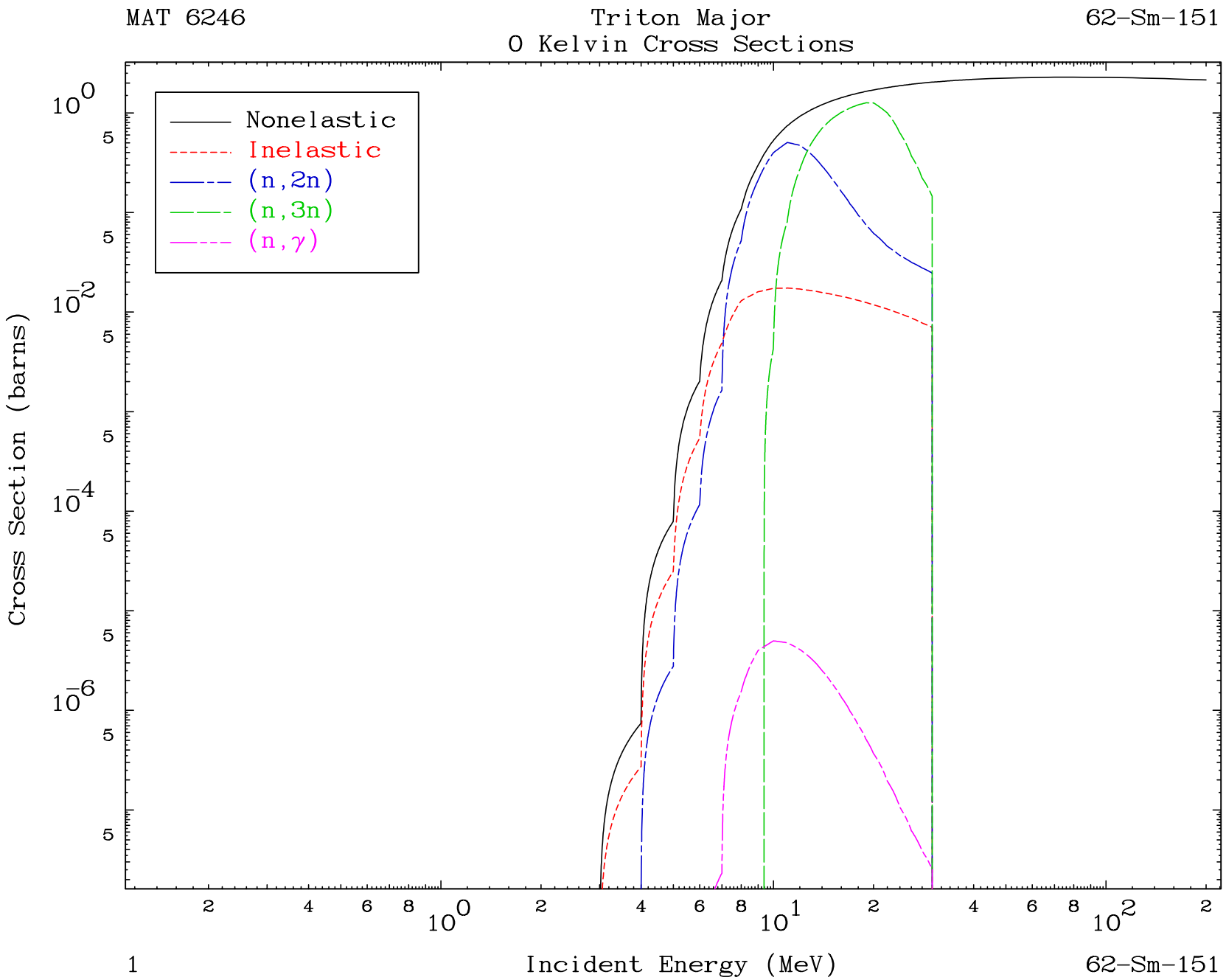
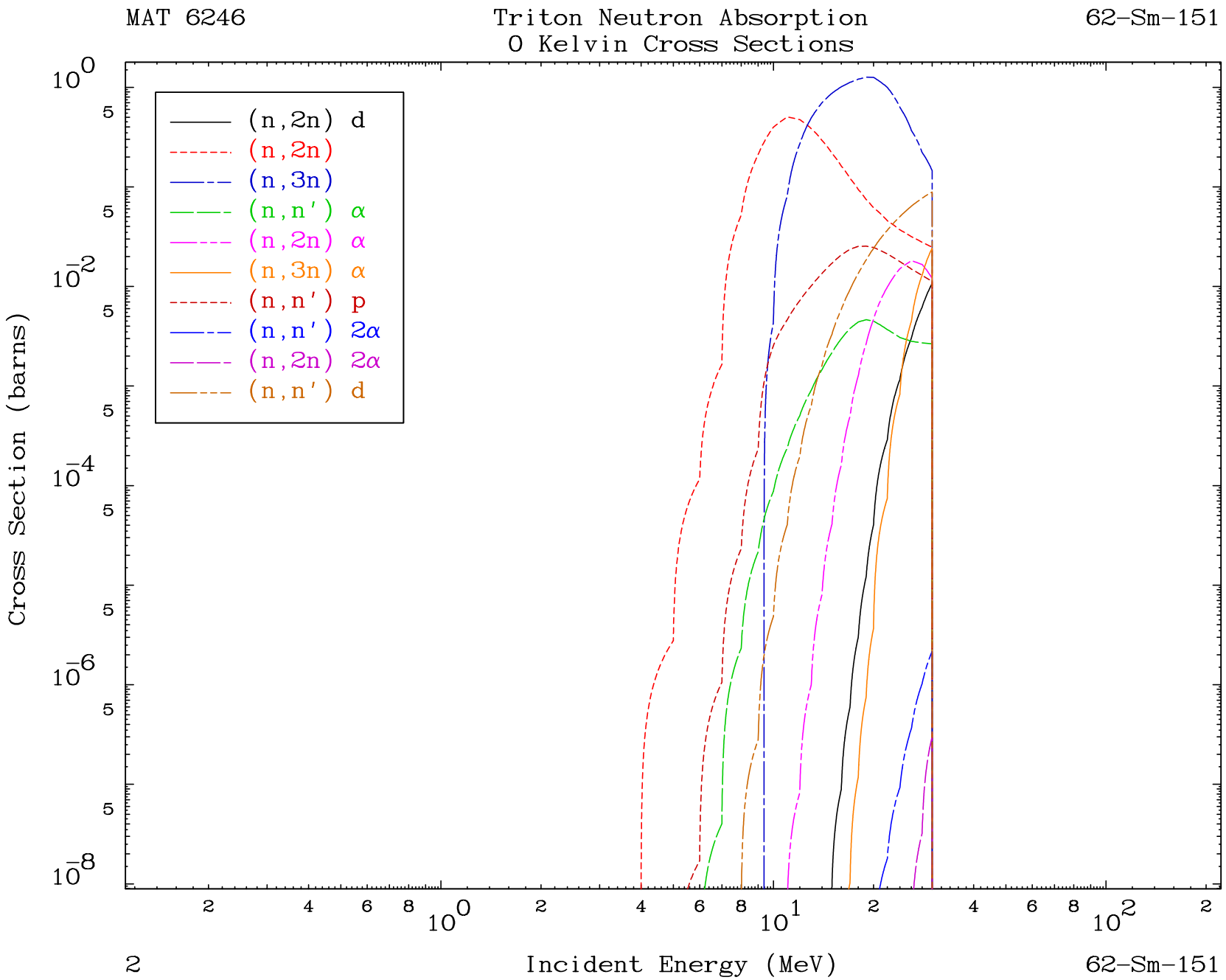
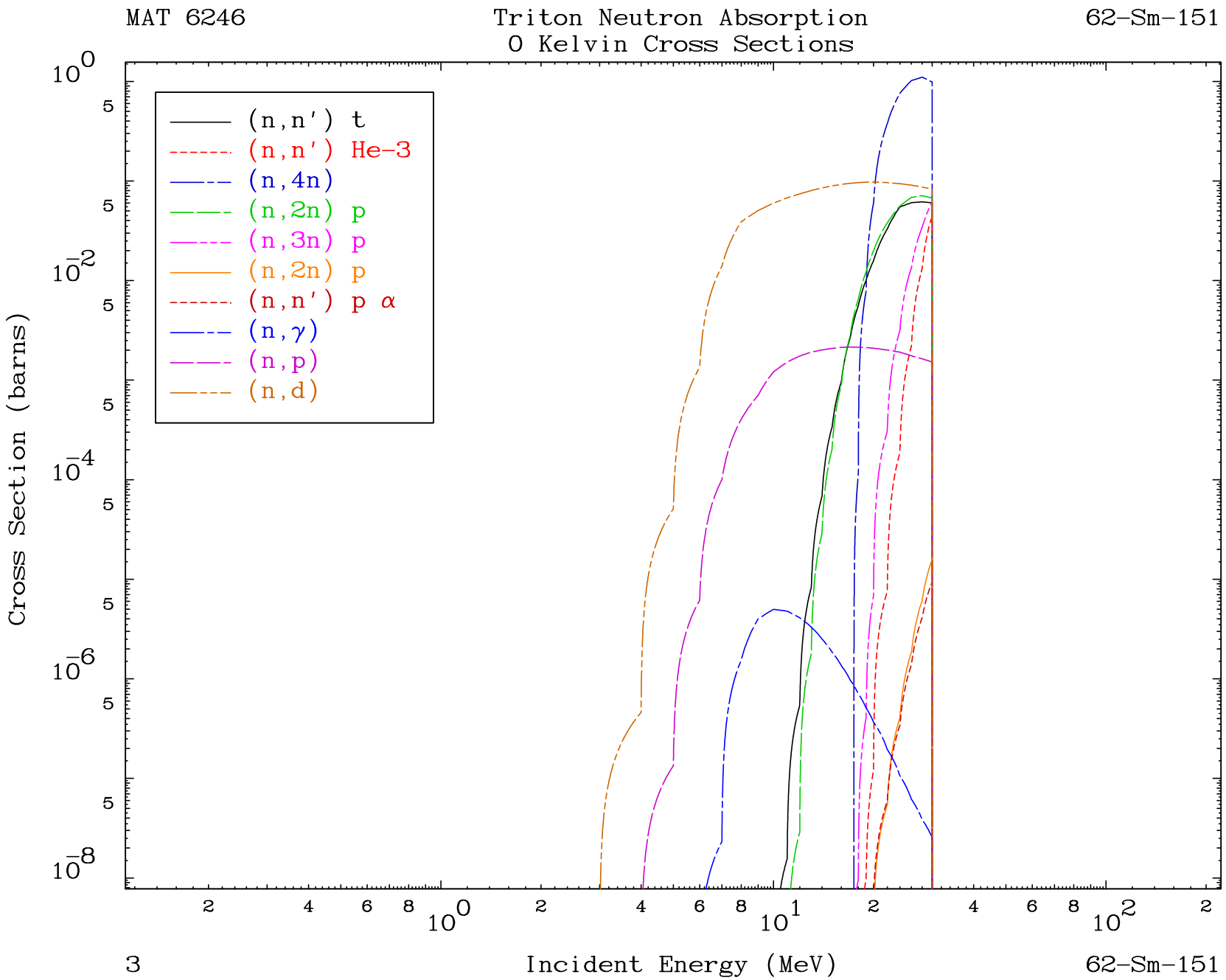
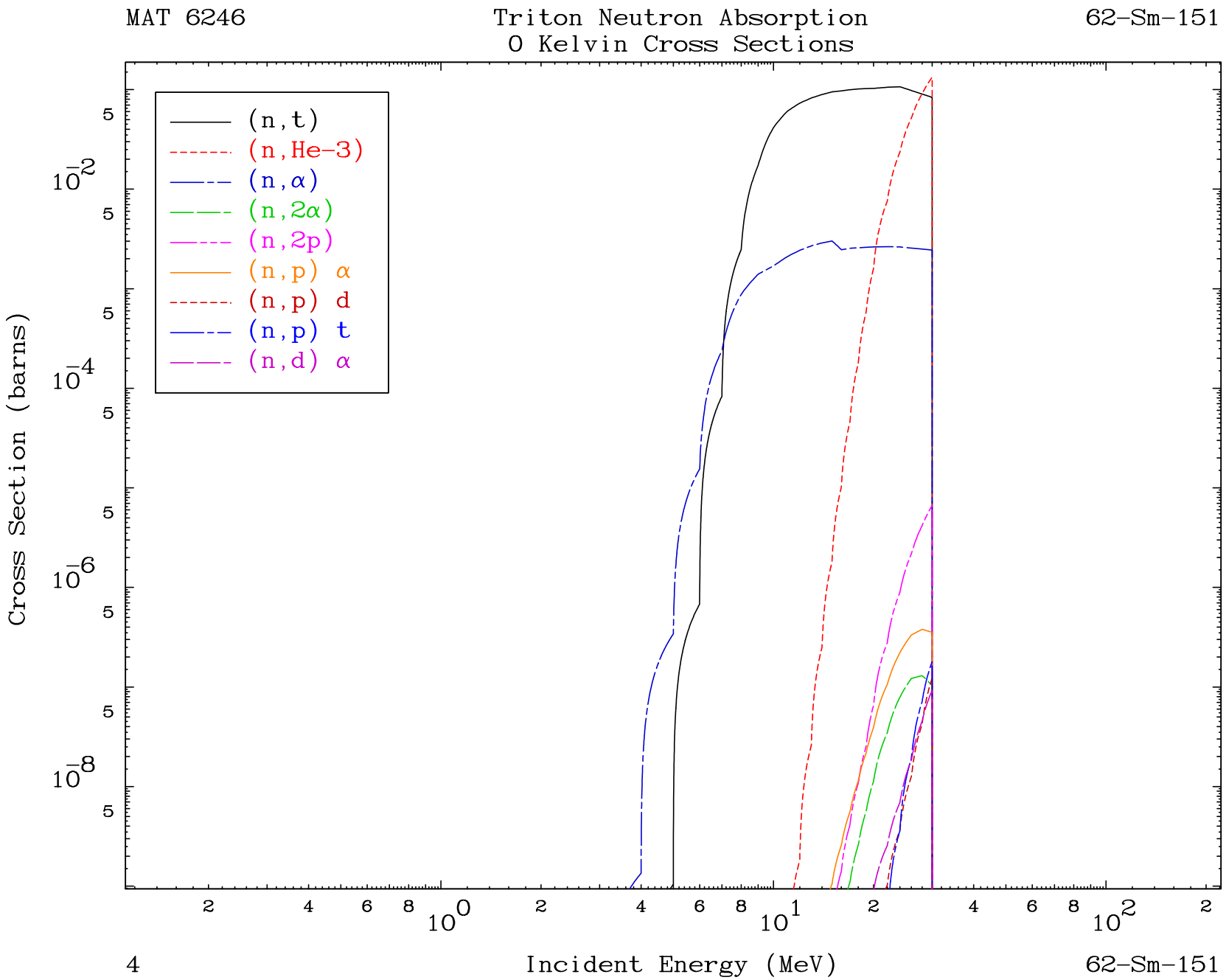
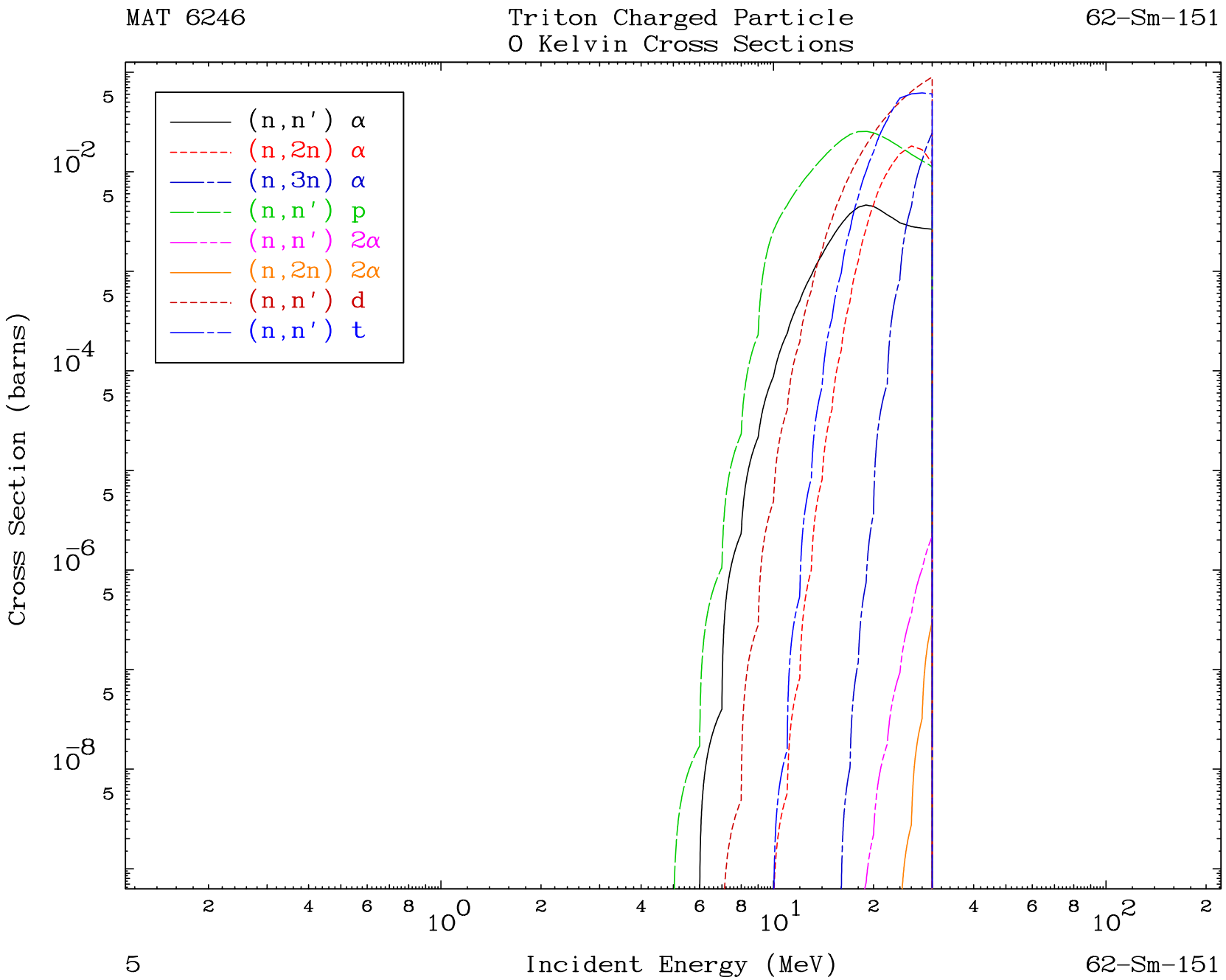
Press Mouse Button to Start

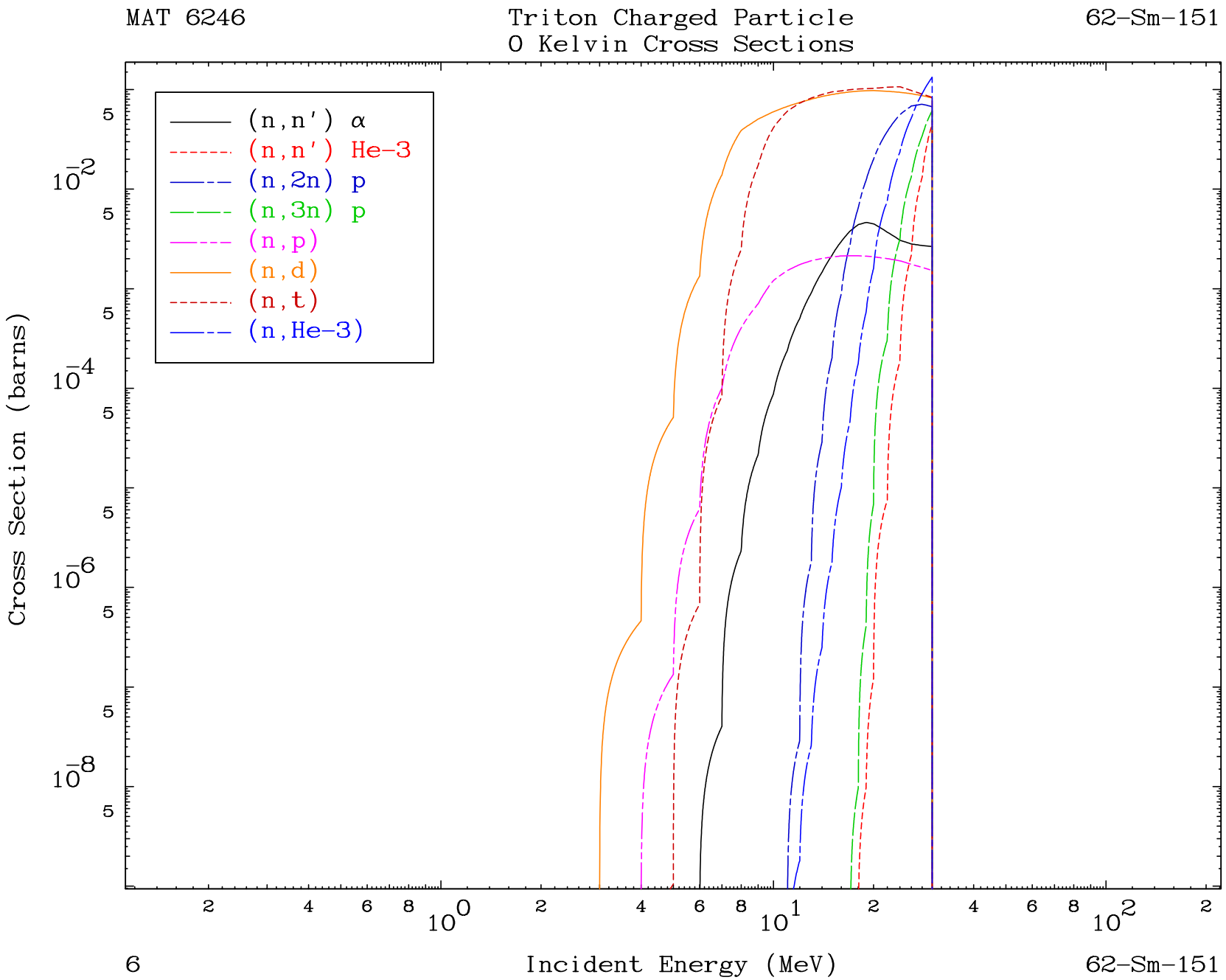

MAT 6246
Triton Major
62-Sm-151
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
62-Sm-151
1

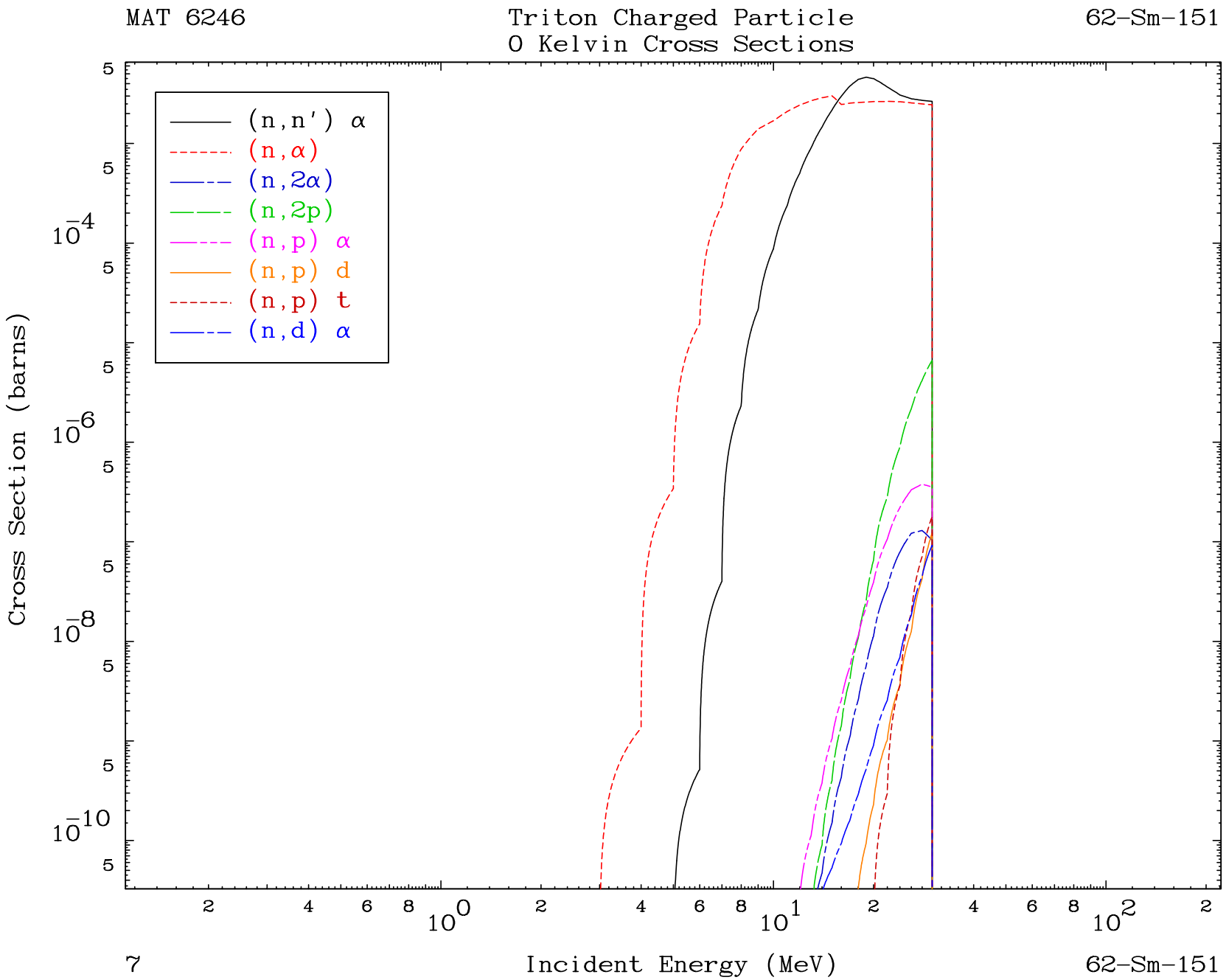

MAT 6246
Triton Neutron Absorption
0 Kelvin Cross Sections
62-Sm-151
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
62-Sm-151
2

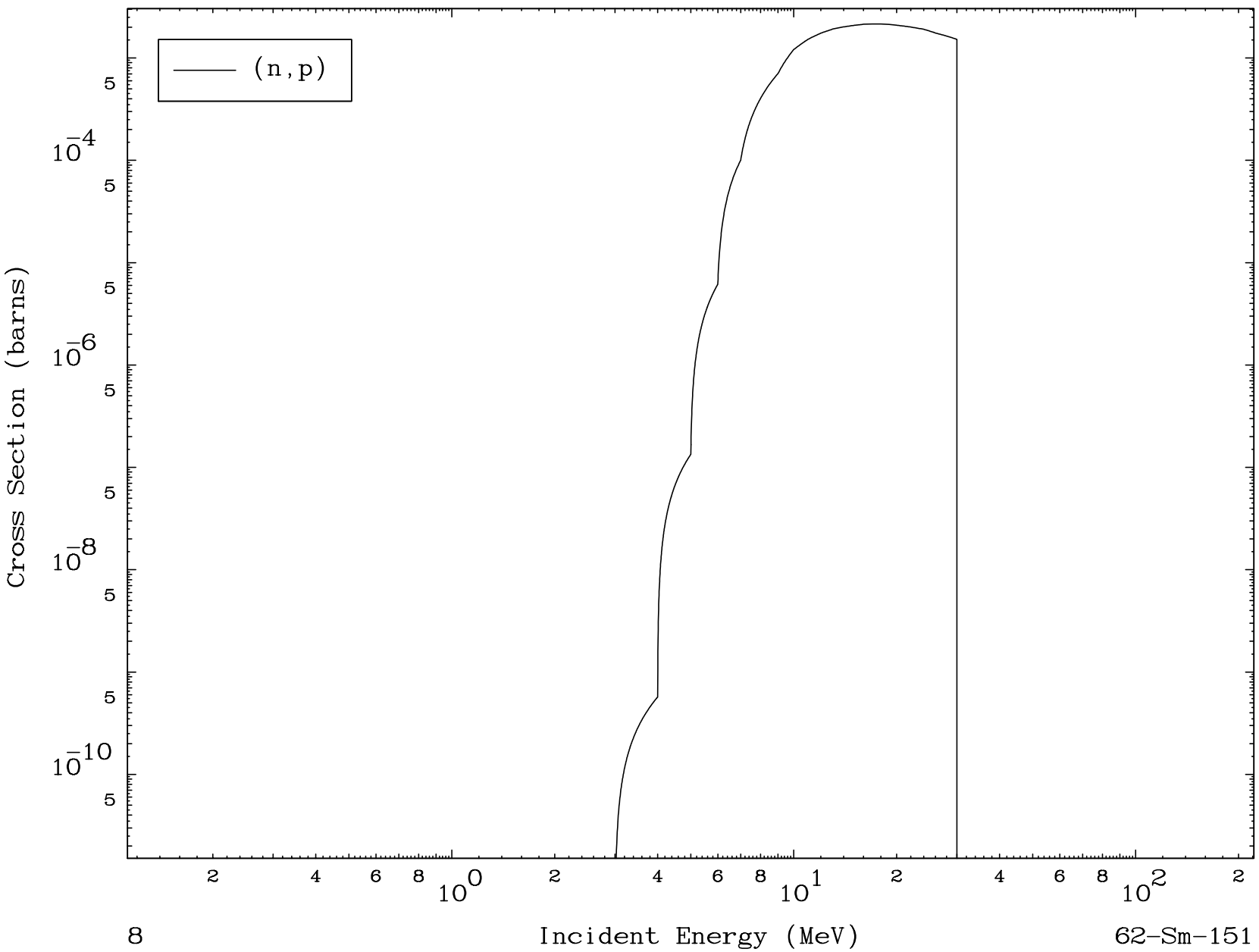

MAT 6246
Triton Neutron Absorption
0 Kelvin Cross Sections
62-Sm-151
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
62-Sm-151

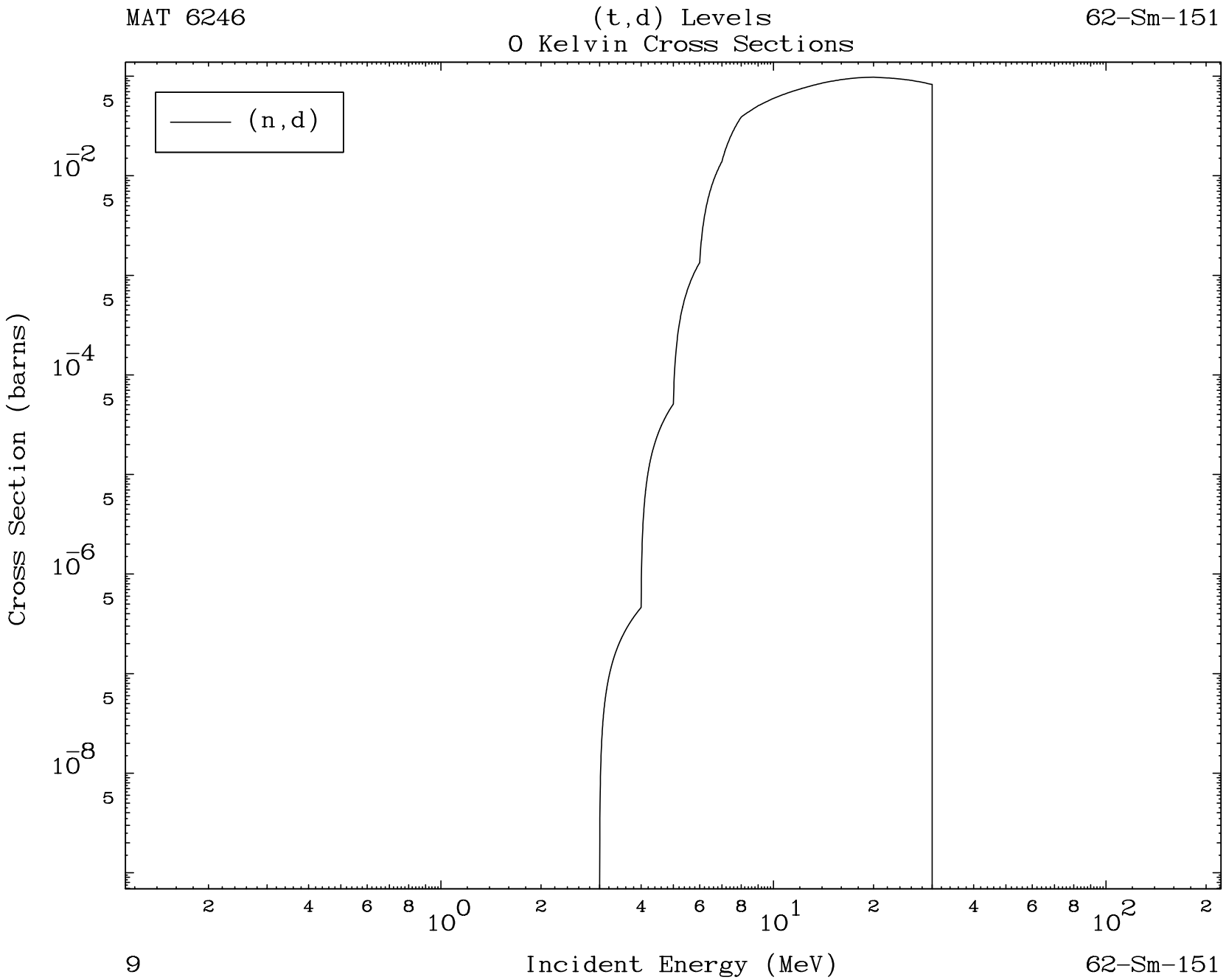

MAT 6246
Triton Neutron Absorption
0 Kelvin Cross Sections
62-Sm-151
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
62-Sm-151

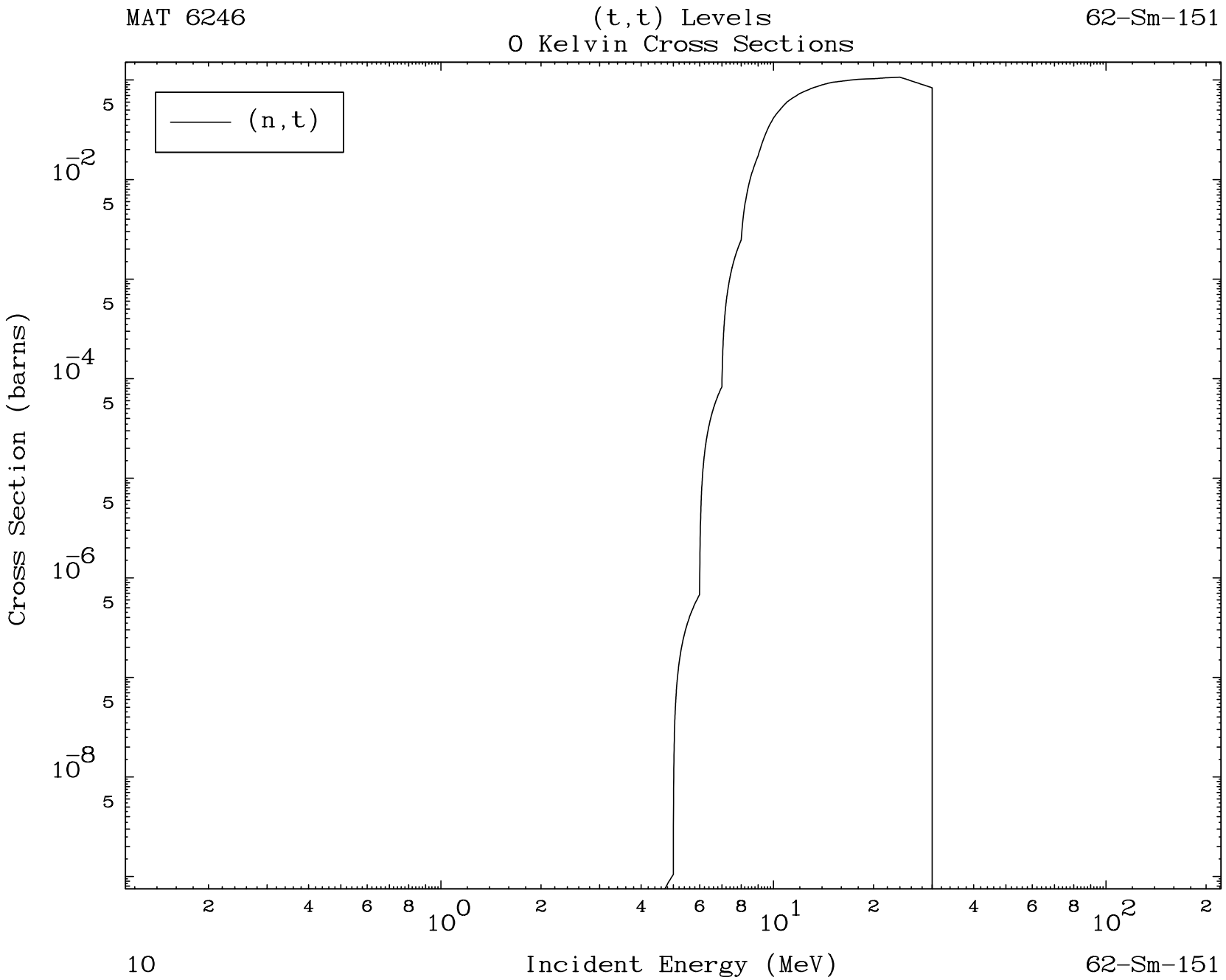

MAT 6246
Triton Charged Particle
0 Kelvin Cross Sections
62-Sm-151
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
5
62-Sm-151

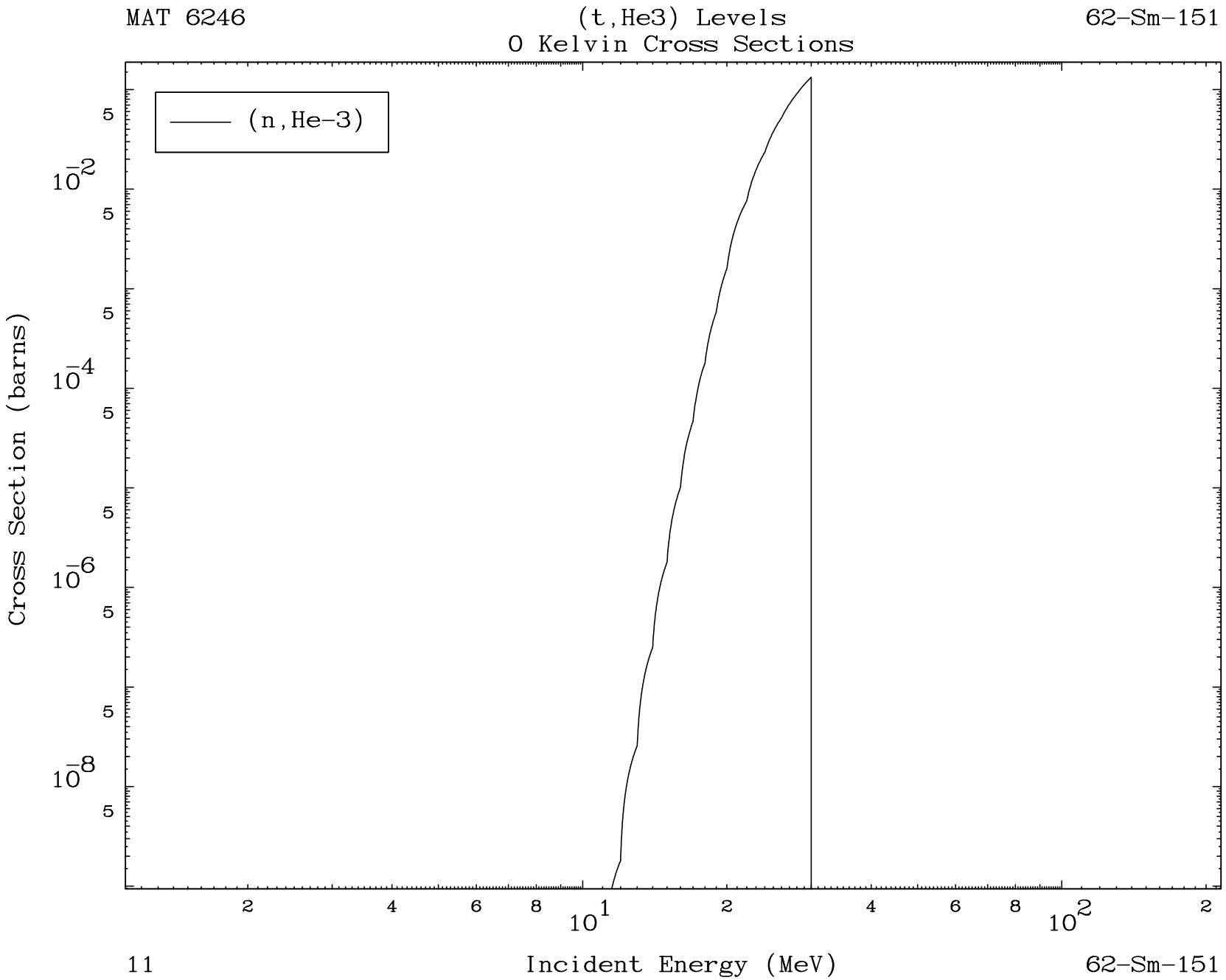

MAT 6246
Triton Charged Particle
0 Kelvin Cross Sections
62-Sm-151
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
62-Sm-151

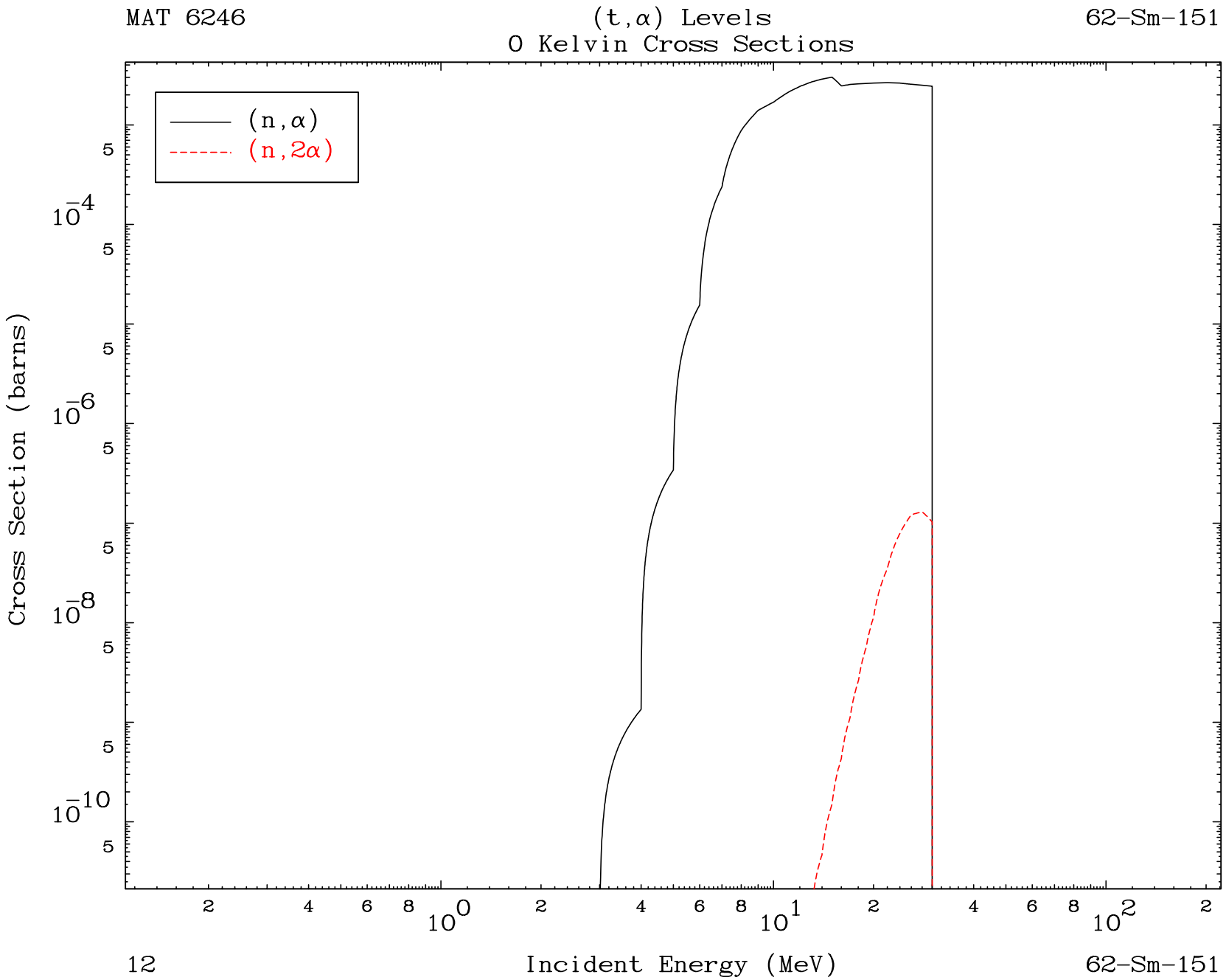

MAT 6246
Triton Charged Particle
0 Kelvin Cross Sections
62-Sm-151
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
62-Sm-151

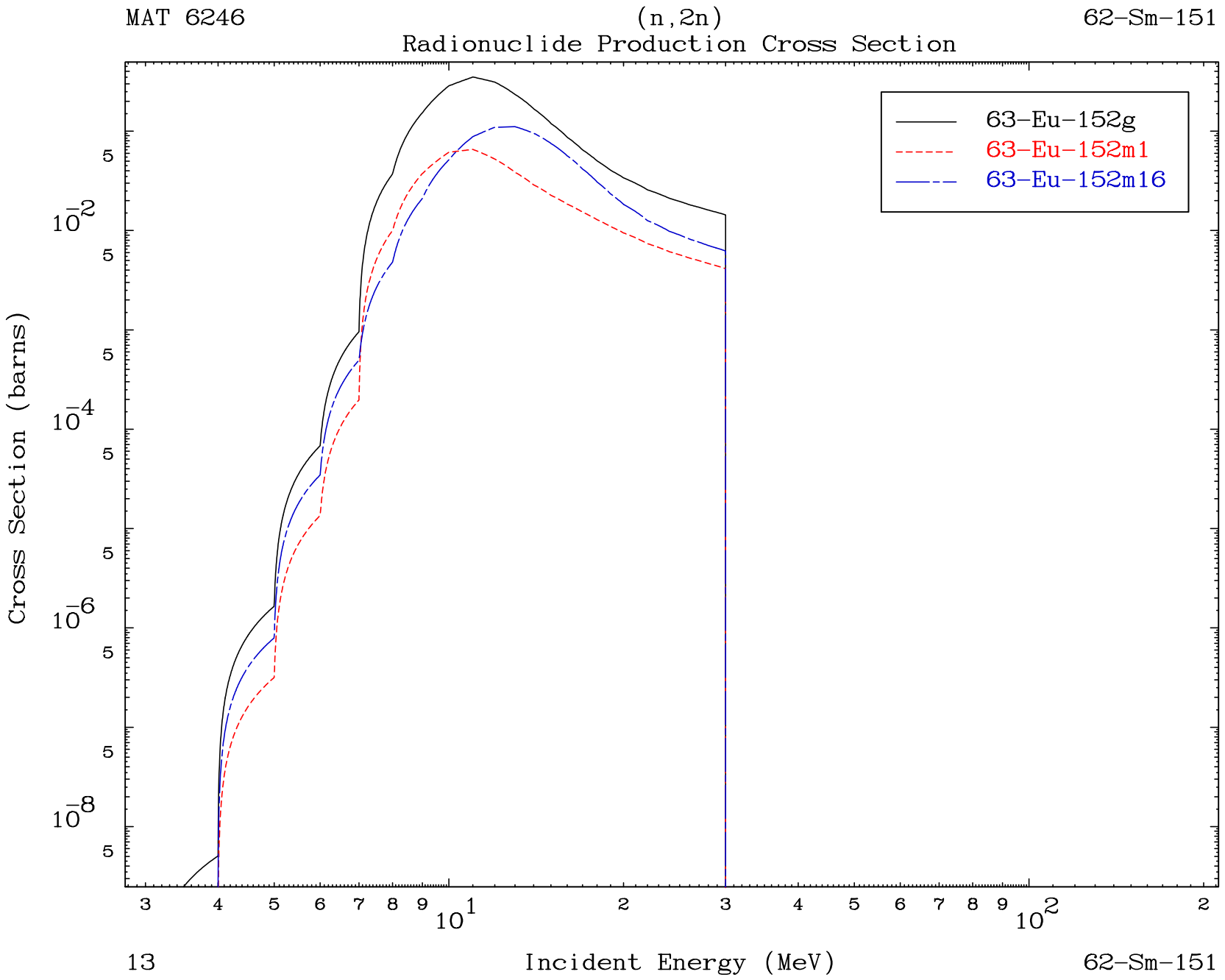

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
100
101
102
2
4
6
8
Incident Energy (MeV)

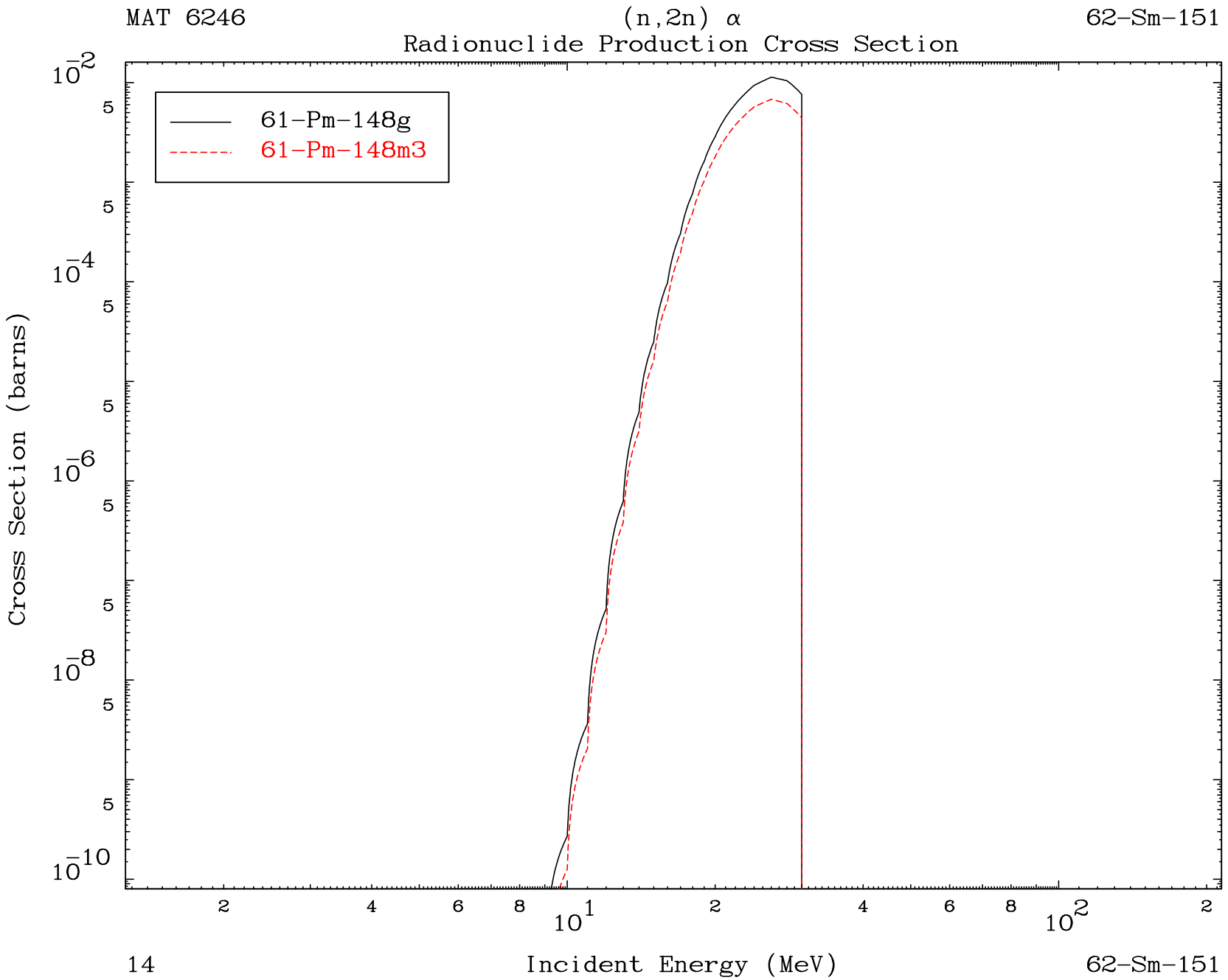

MAT 6246
(t,d) Levels
62-Sm-151
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
62-Sm-151

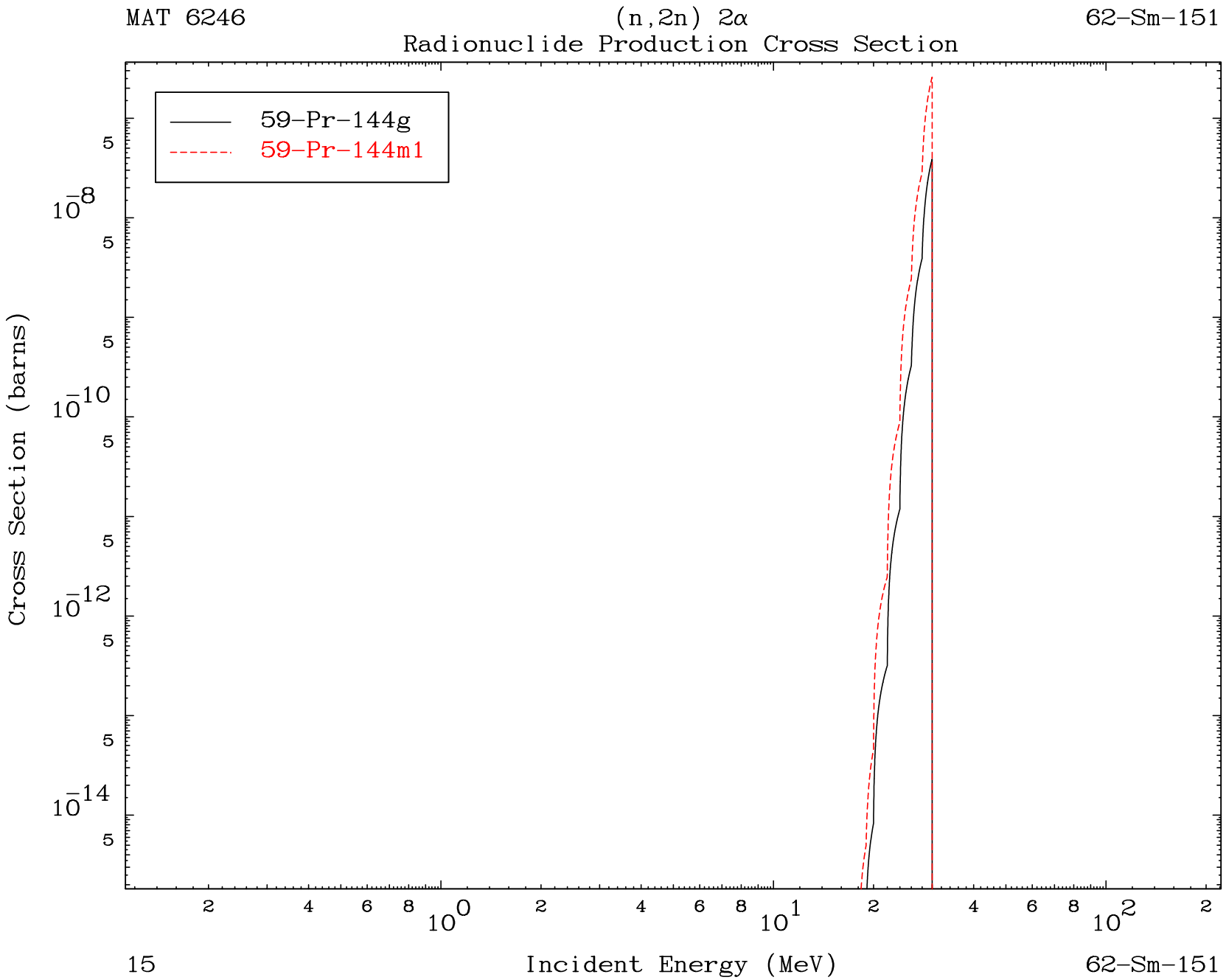

MAT 6246
(t,t) Levels
62-Sm-151
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
62-Sm-151
10

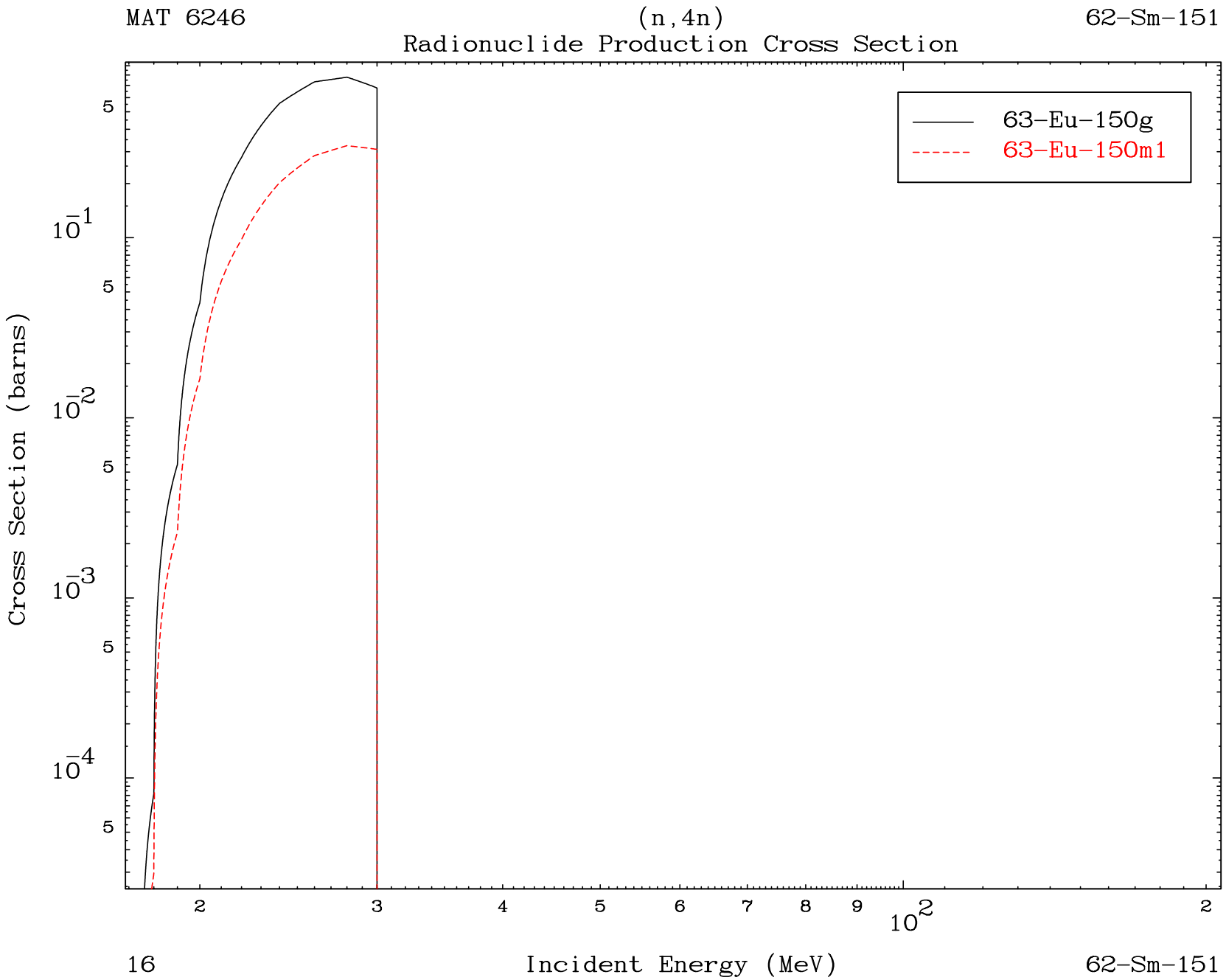

MAT 6246
(t,He3) Levels
62-Sm-151
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
101
102
11
Incident Energy (MeV)
62-Sm-151

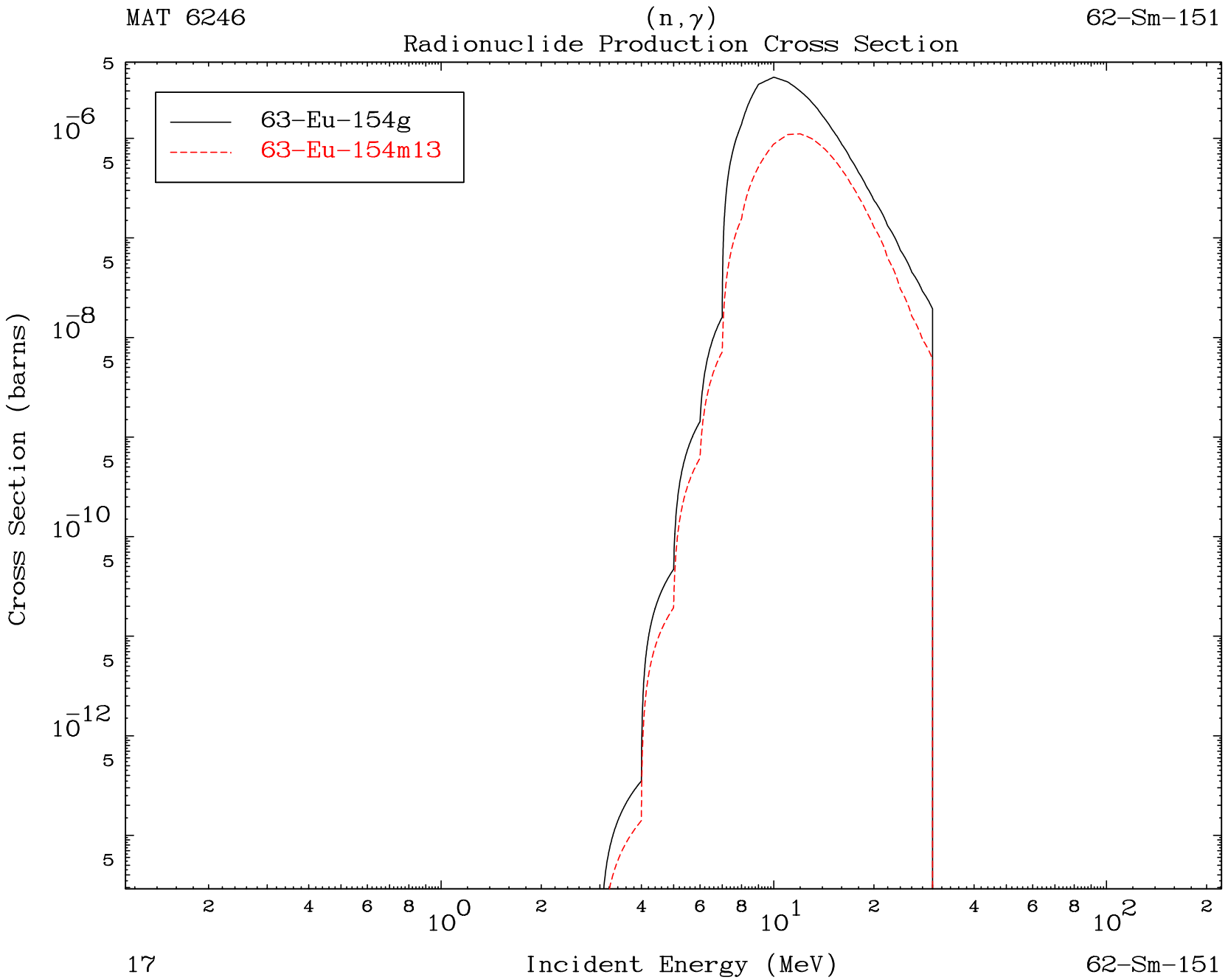

MAT 6246
(t,α) Levels
62-Sm-151
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
12
62-Sm-151

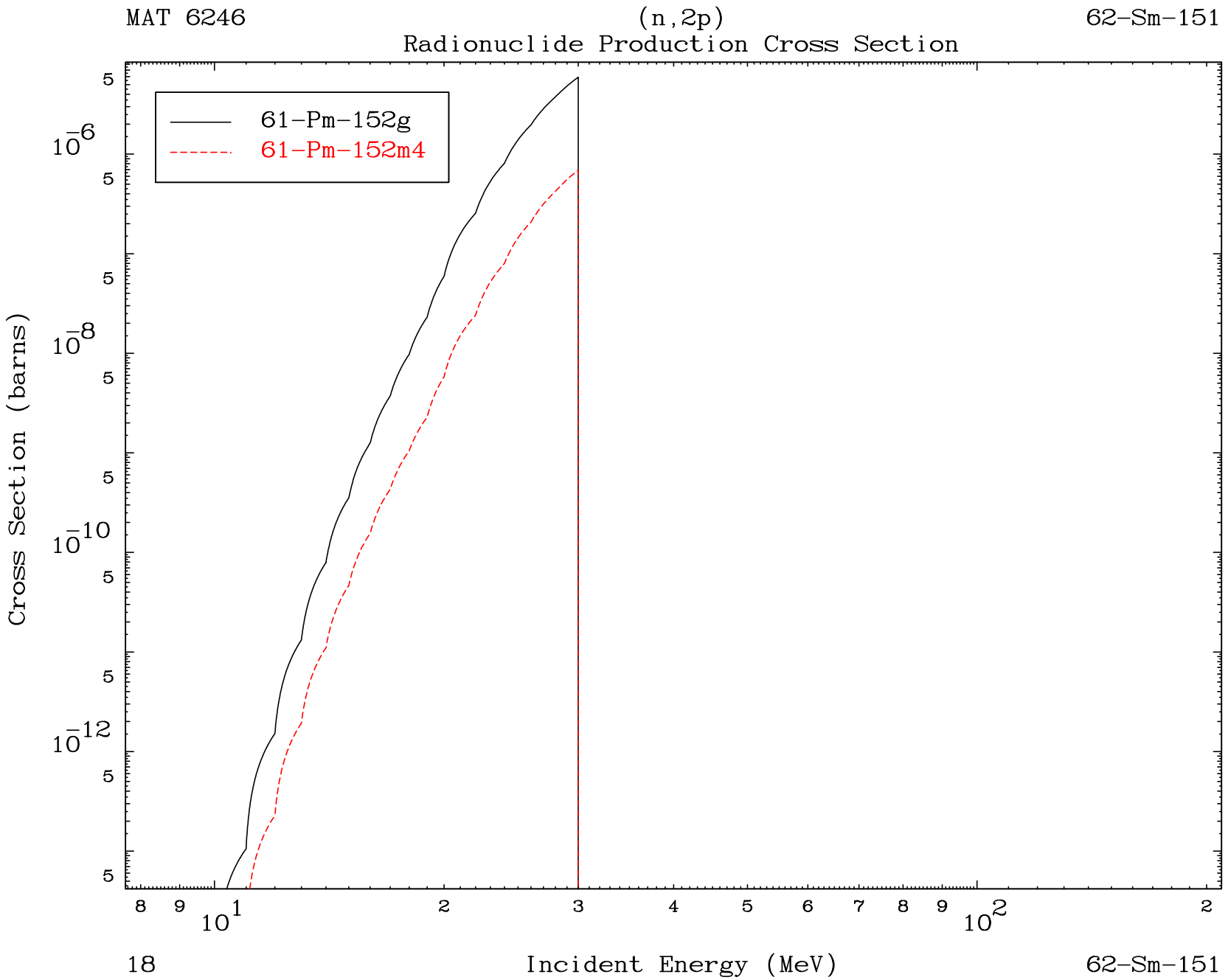

MAT 6246
(n,2n)
62-Sm-151
Radionuclide Production Cross Section
63-Eu-152g
63-Eu-152m1
63-Eu-152m16
Cross Section (barns)
Incident Energy (MeV)
13
62-Sm-151


MAT 6246
(n,2n) α
62-Sm-151
Radionuclide Production Cross Section
61-Pm-148g
61-Pm-148m3
Cross Section (barns)
Incident Energy (MeV)
14
62-Sm-151


MAT 6246
(n,2n) 2α
62-Sm-151
Radionuclide Production Cross Section
59-Pr-144g
59-Pr-144m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
4
6
8
100
101
102
15
Incident Energy (MeV)
62-Sm-151


MAT 6246
(n,4n)
62-Sm-151
Radionuclide Production Cross Section
63-Eu-150g
63-Eu-150m1
Cross Section (barns)
10-1
10-2
10-3
10-4
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
16
62-Sm-151


MAT 6246
(n,γ)
62-Sm-151
Radionuclide Production Cross Section
63-Eu-154g
63-Eu-154m13
Cross Section (barns)
Incident Energy (MeV)
17
62-Sm-151


MAT 6246
(n,2p)
62-Sm-151
Radionuclide Production Cross Section
61-Pm-152g
61-Pm-152m4
Cross Section (barns)
Incident Energy (MeV)
18
62-Sm-151