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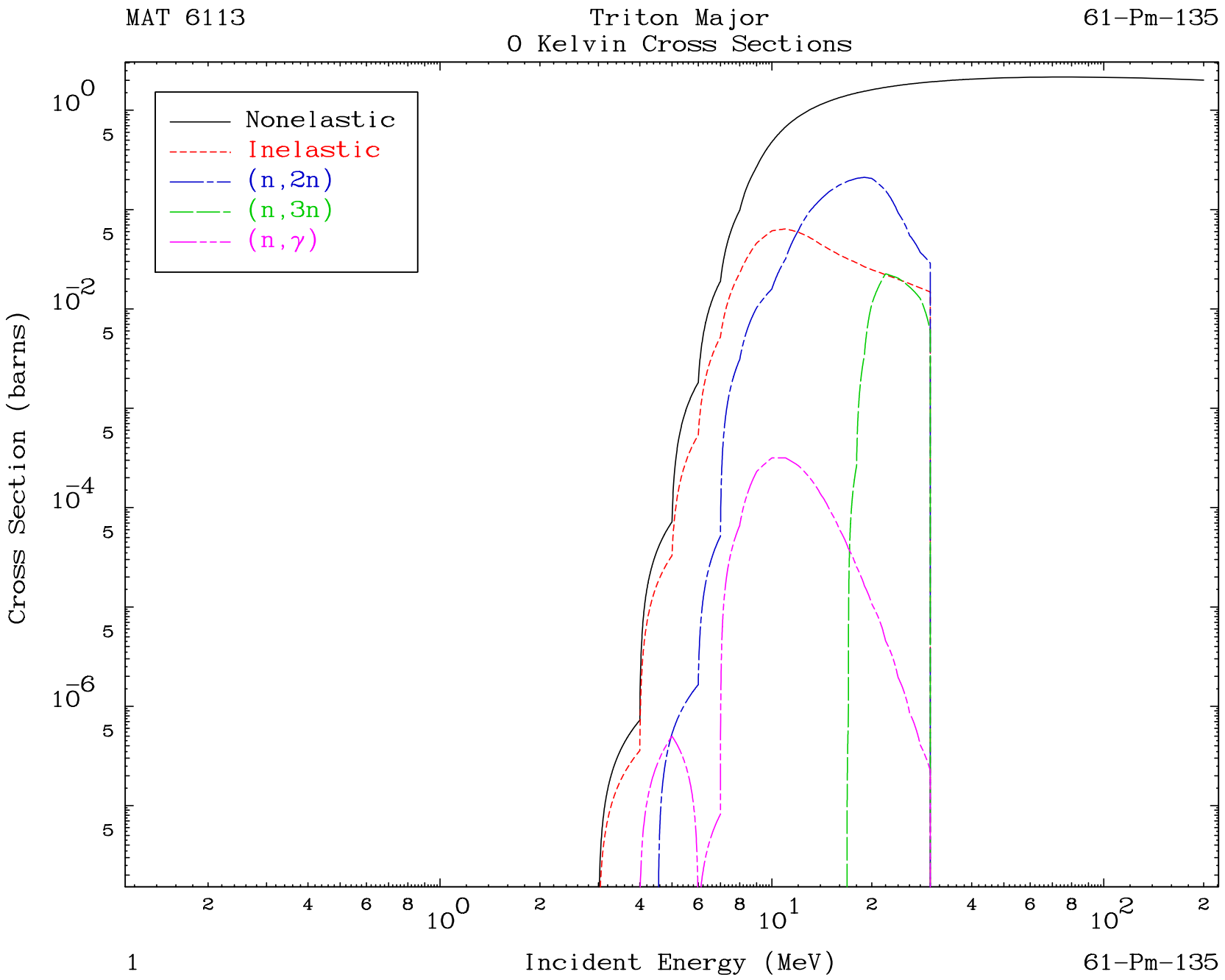
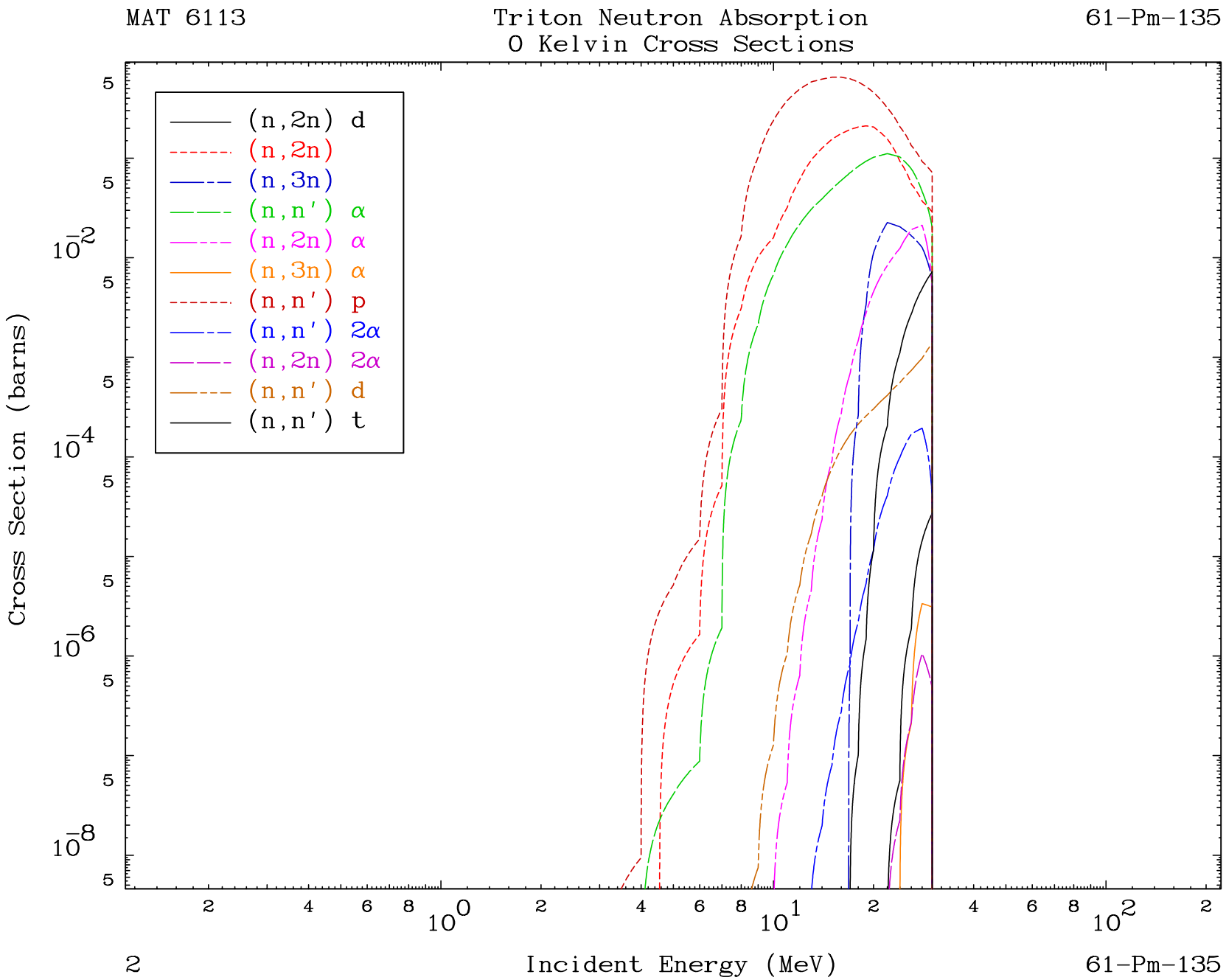
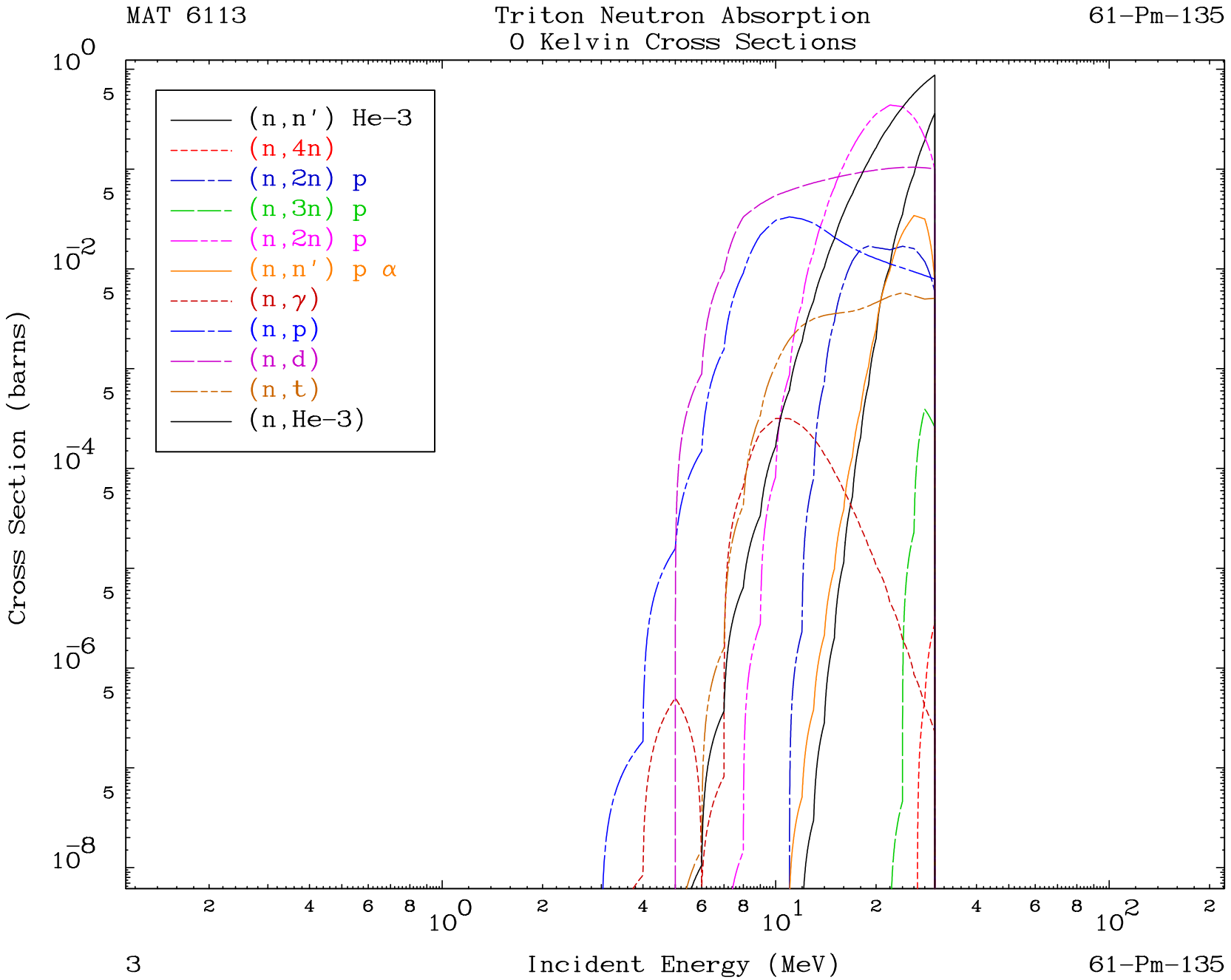
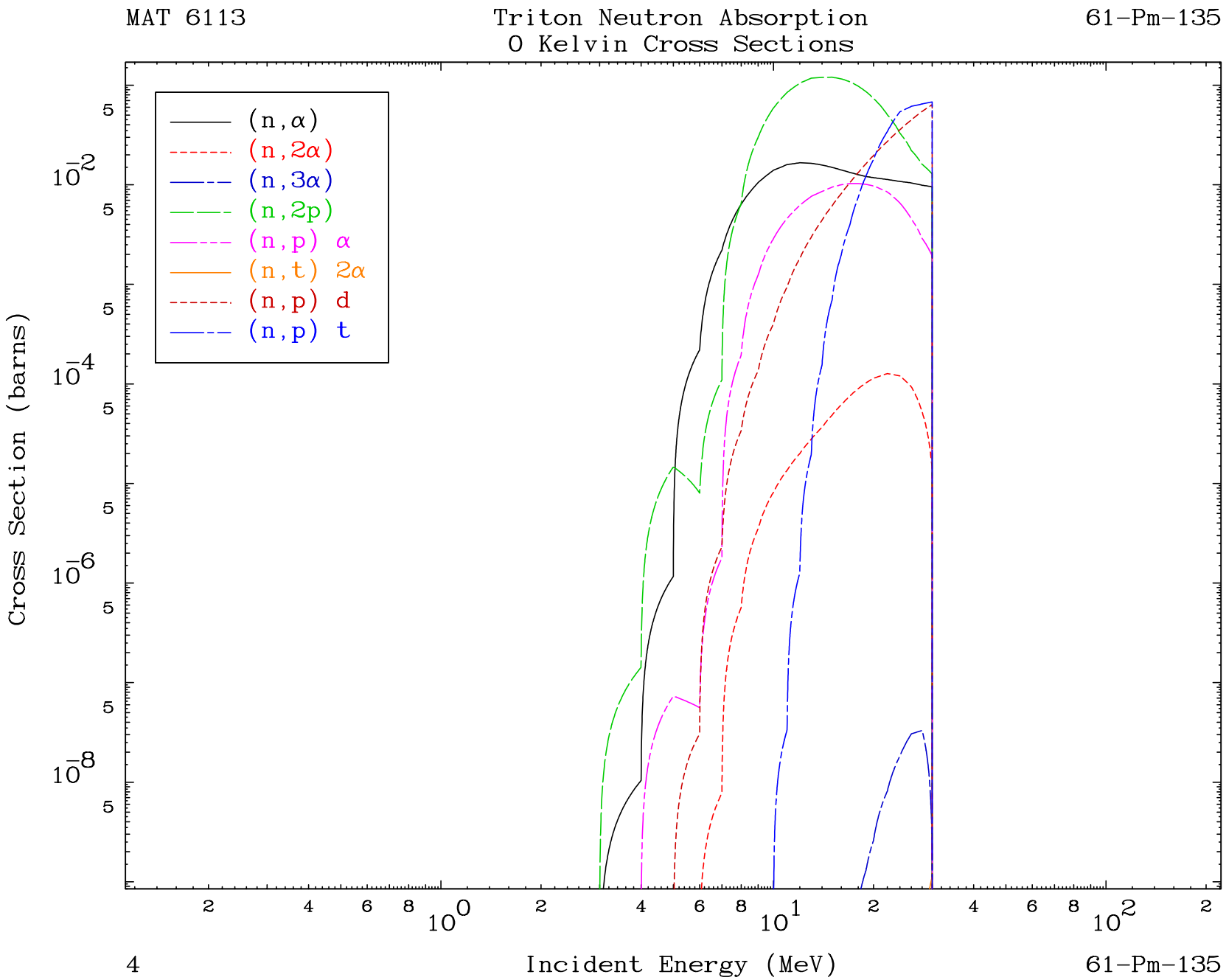
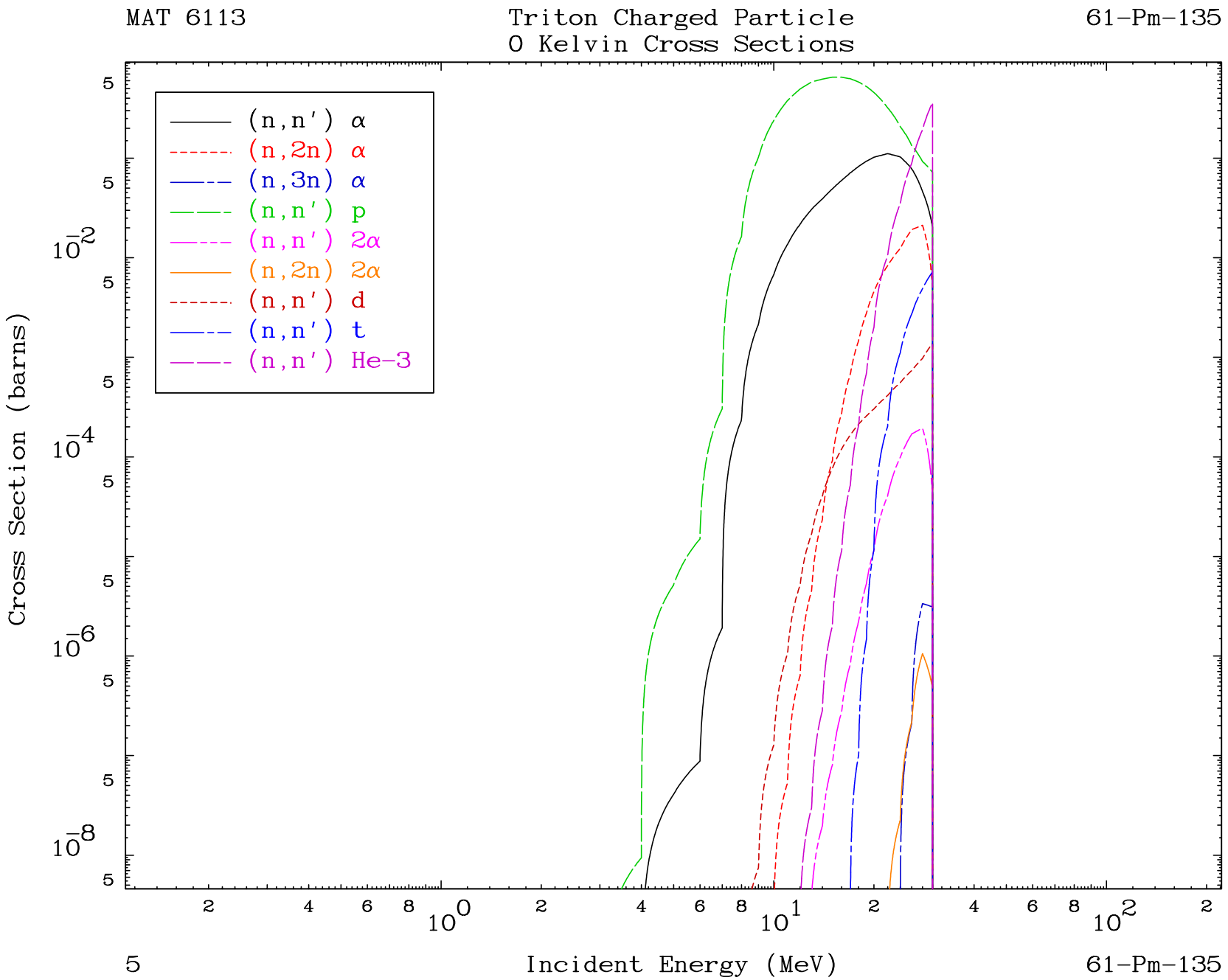
Press Mouse Button to Start

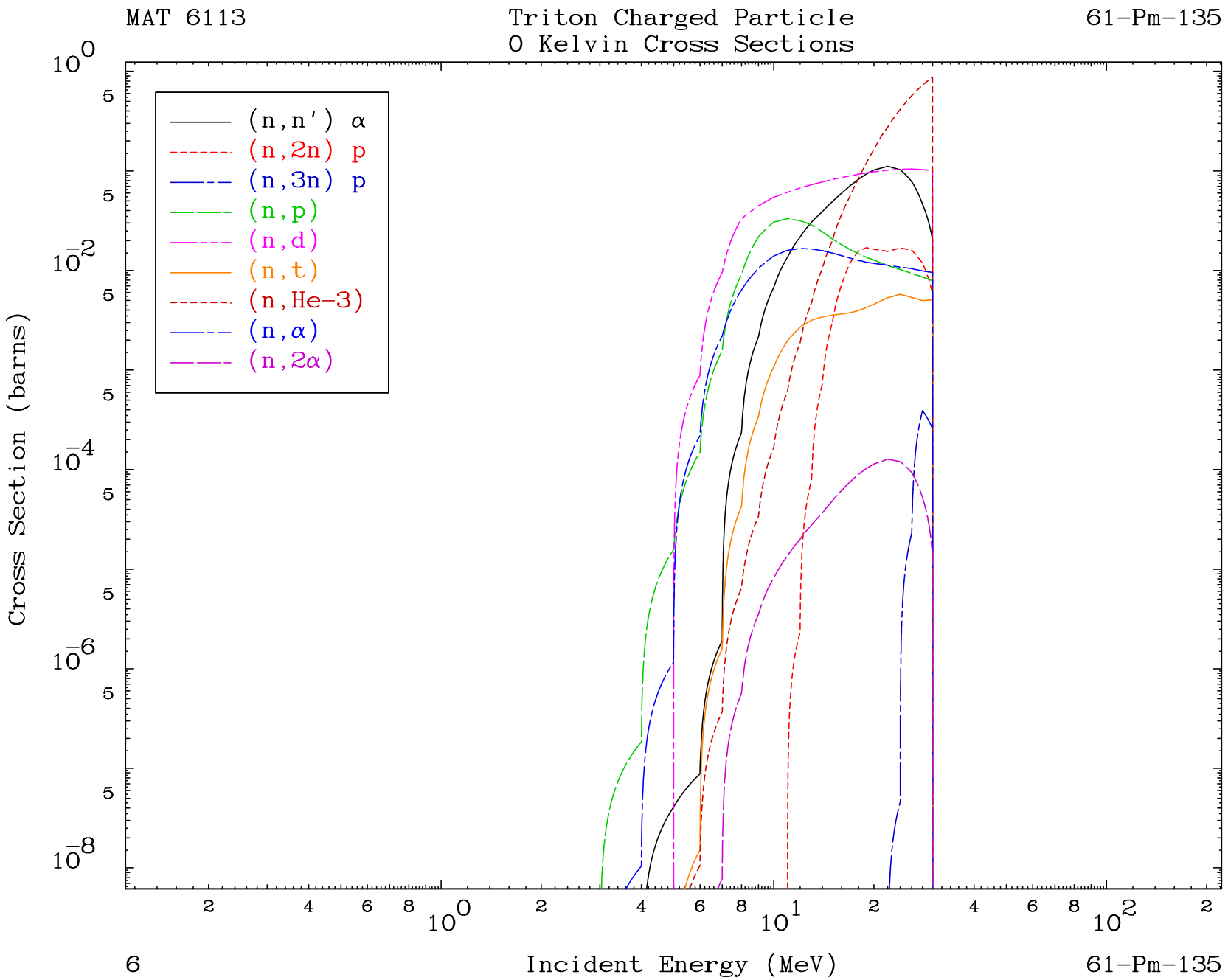

MAT 6113
Triton Major
61-Pm-135
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
61-Pm-135
1

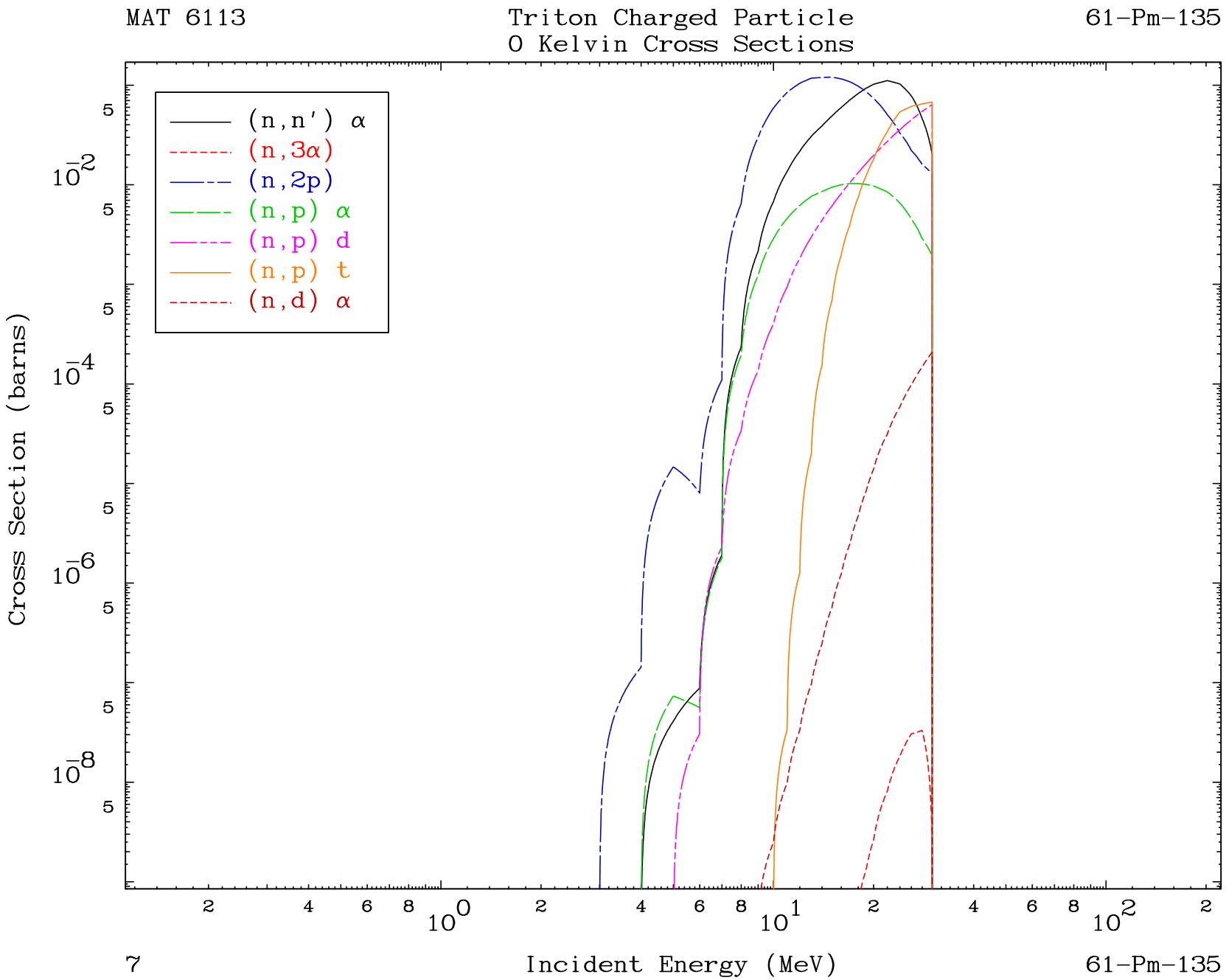

MAT 6113
Triton Neutron Absorption
0 Kelvin Cross Sections
61-Pm-135
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
2
61-Pm-135

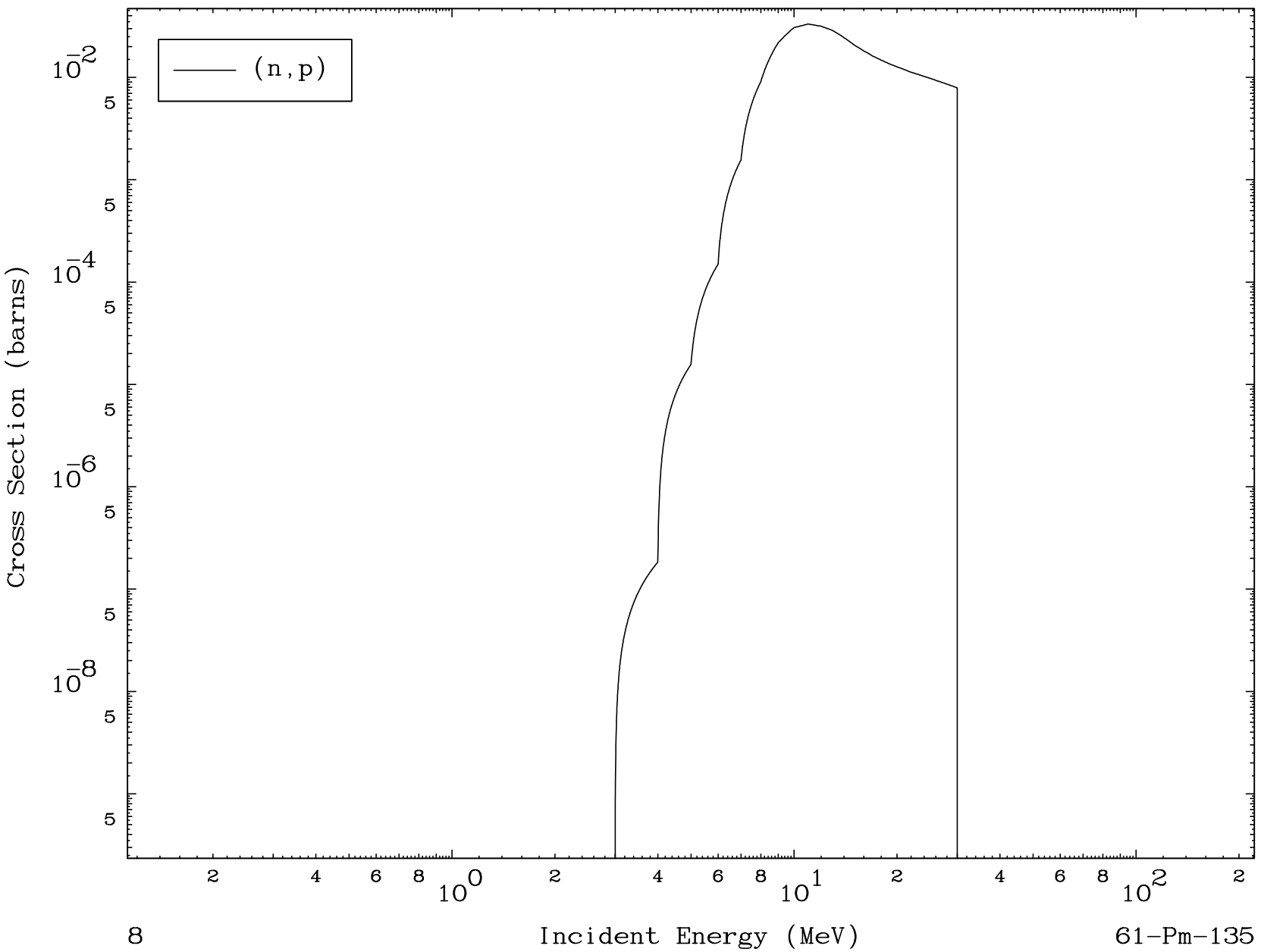

MAT 6113
Triton Neutron Absorption
0 Kelvin Cross Sections
61-Pm-135
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
3
61-Pm-135

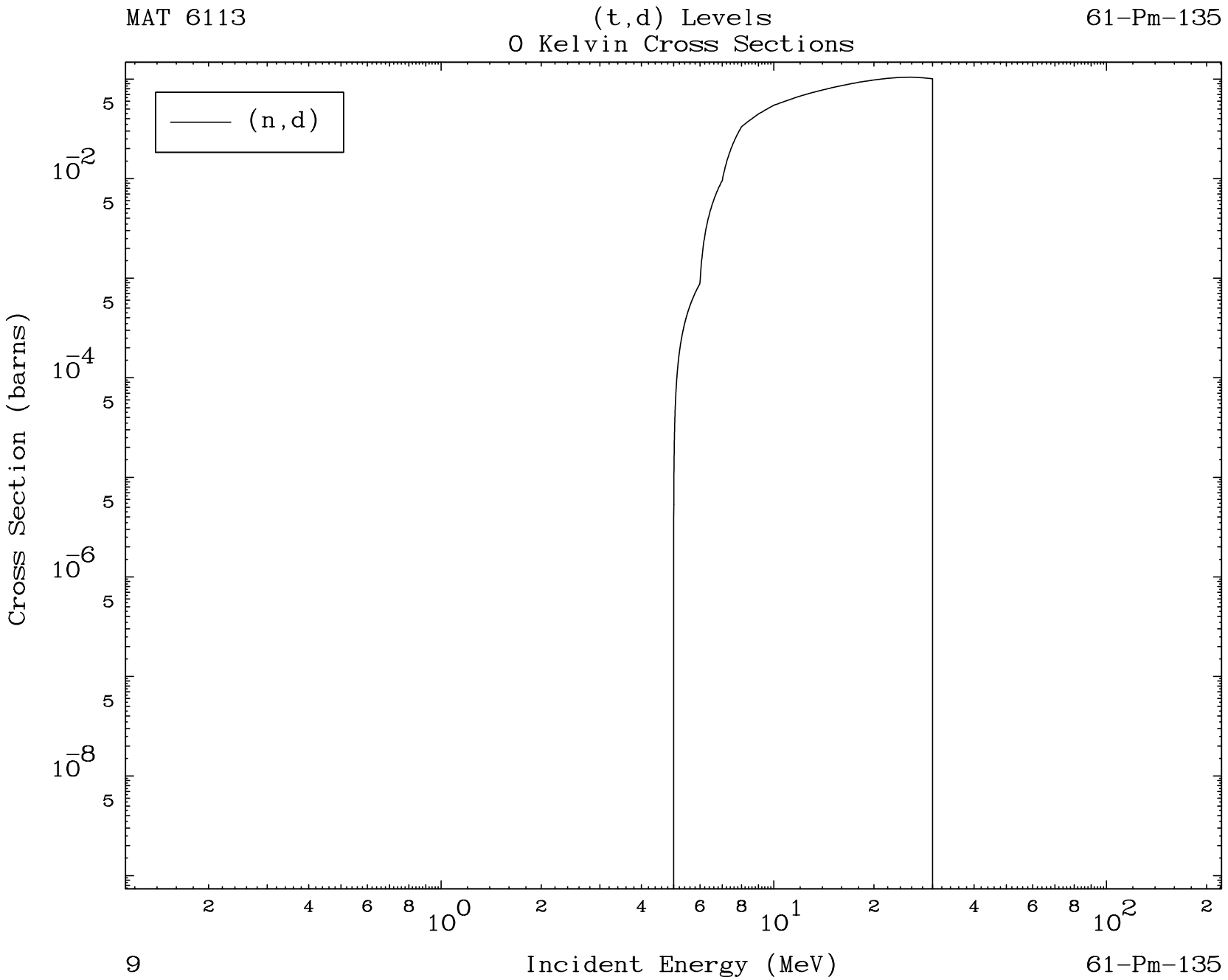

MAT 6113
Triton Neutron Absorption
0 Kelvin Cross Sections
61-Pm-135
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,t) 2α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
4
61-Pm-135

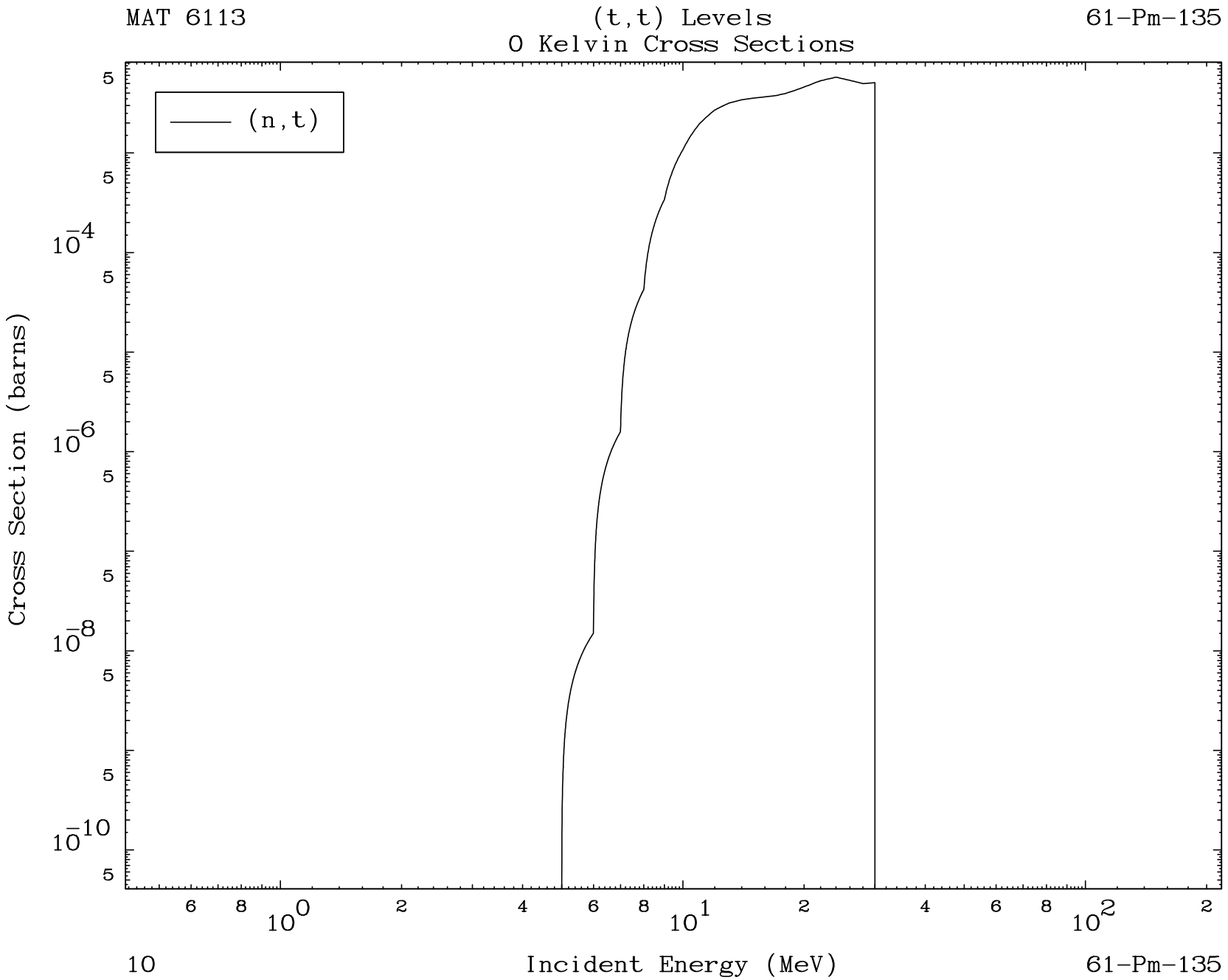

MAT 6113
Triton Charged Particle
0 Kelvin Cross Sections
61-Pm-135
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
61-Pm-135

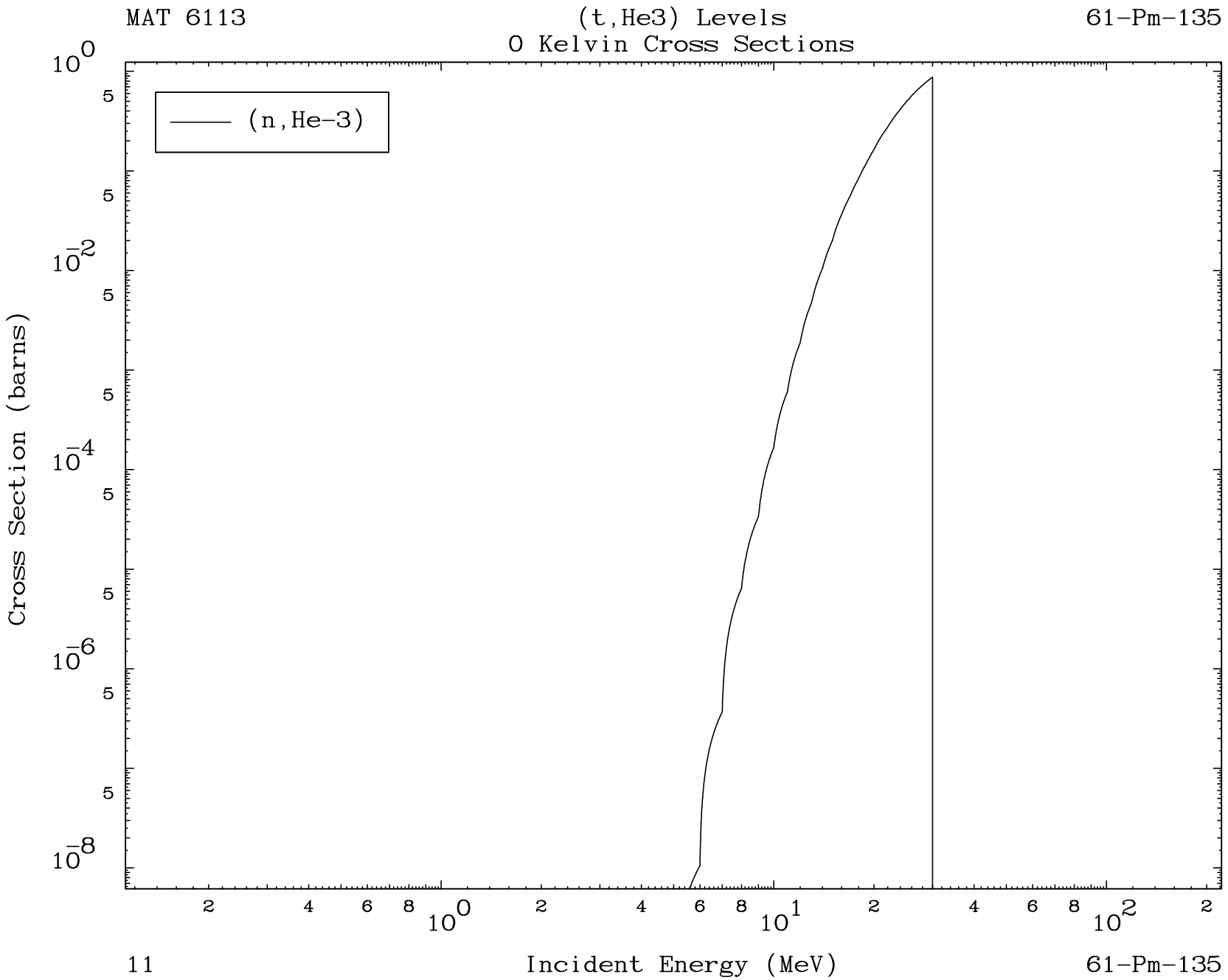

MAT 6113
Triton Charged Particle
0 Kelvin Cross Sections
61-Pm-135
(n,n') α
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
6
61-Pm-135

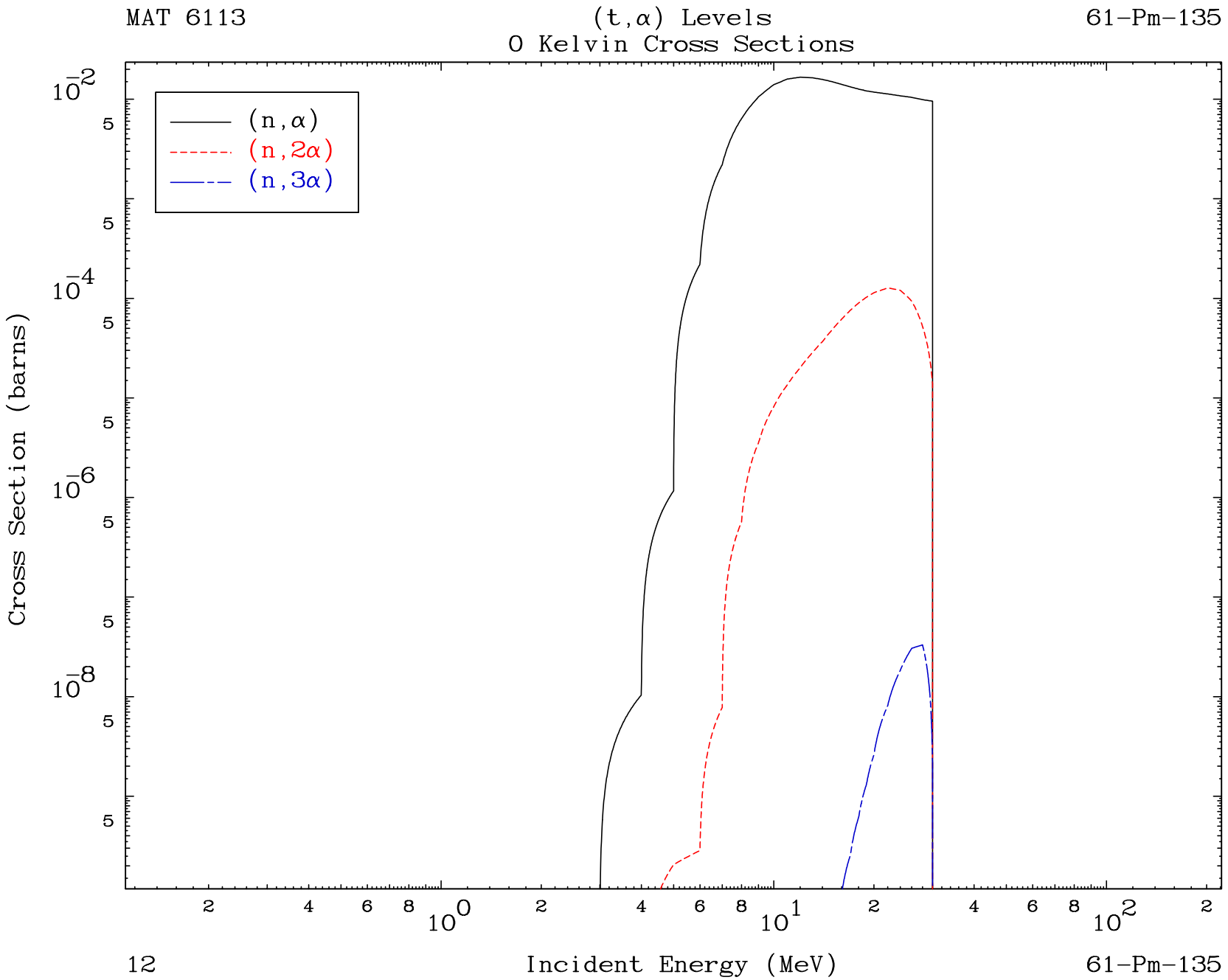

MAT 6113
Triton Charged Particle
0 Kelvin Cross Sections
61-Pm-135
(n,n') α
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
61-Pm-135

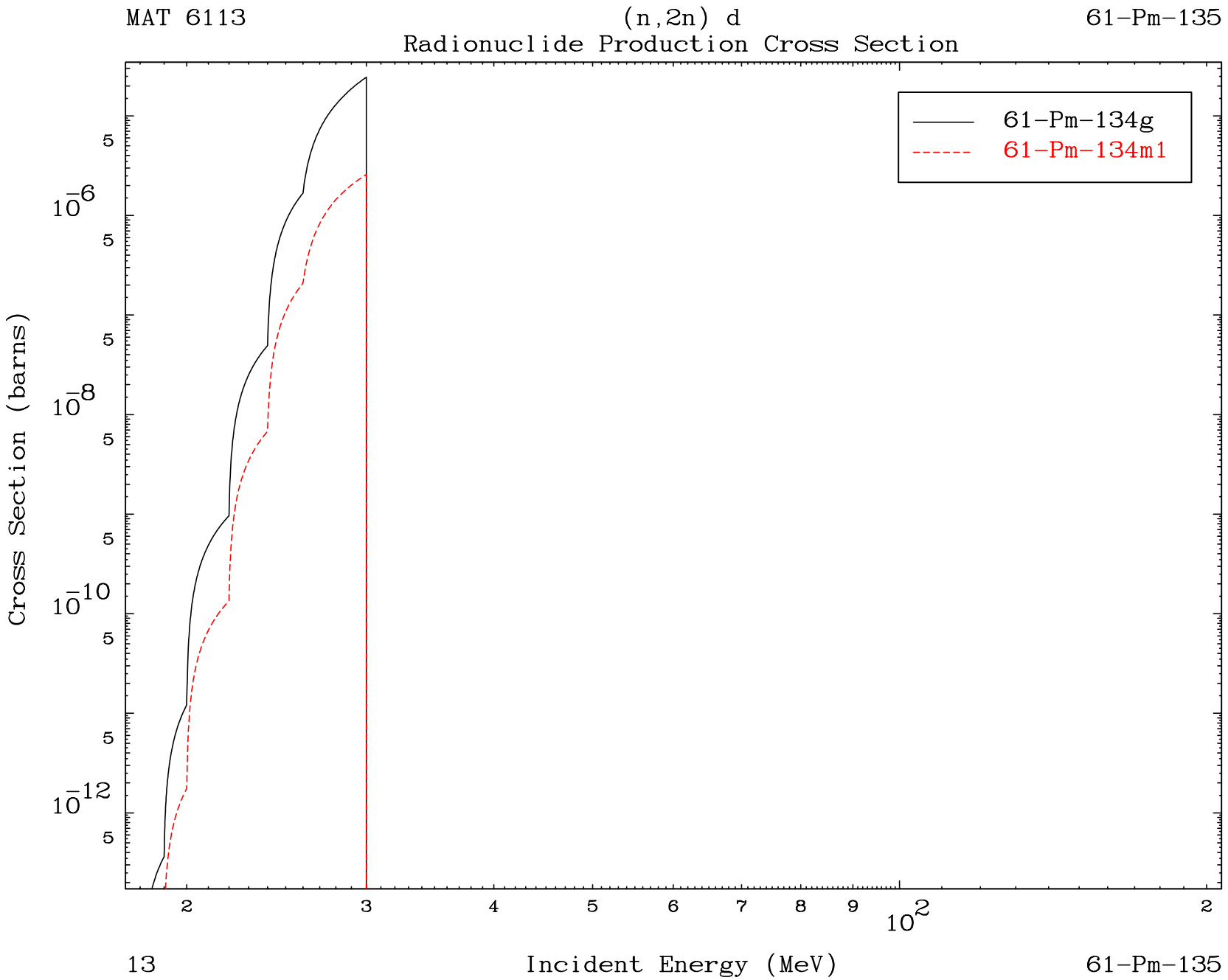

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
2
4
6
8
100
2
4
6
8
101
2
4
6
8
102
2
Incident Energy (MeV)

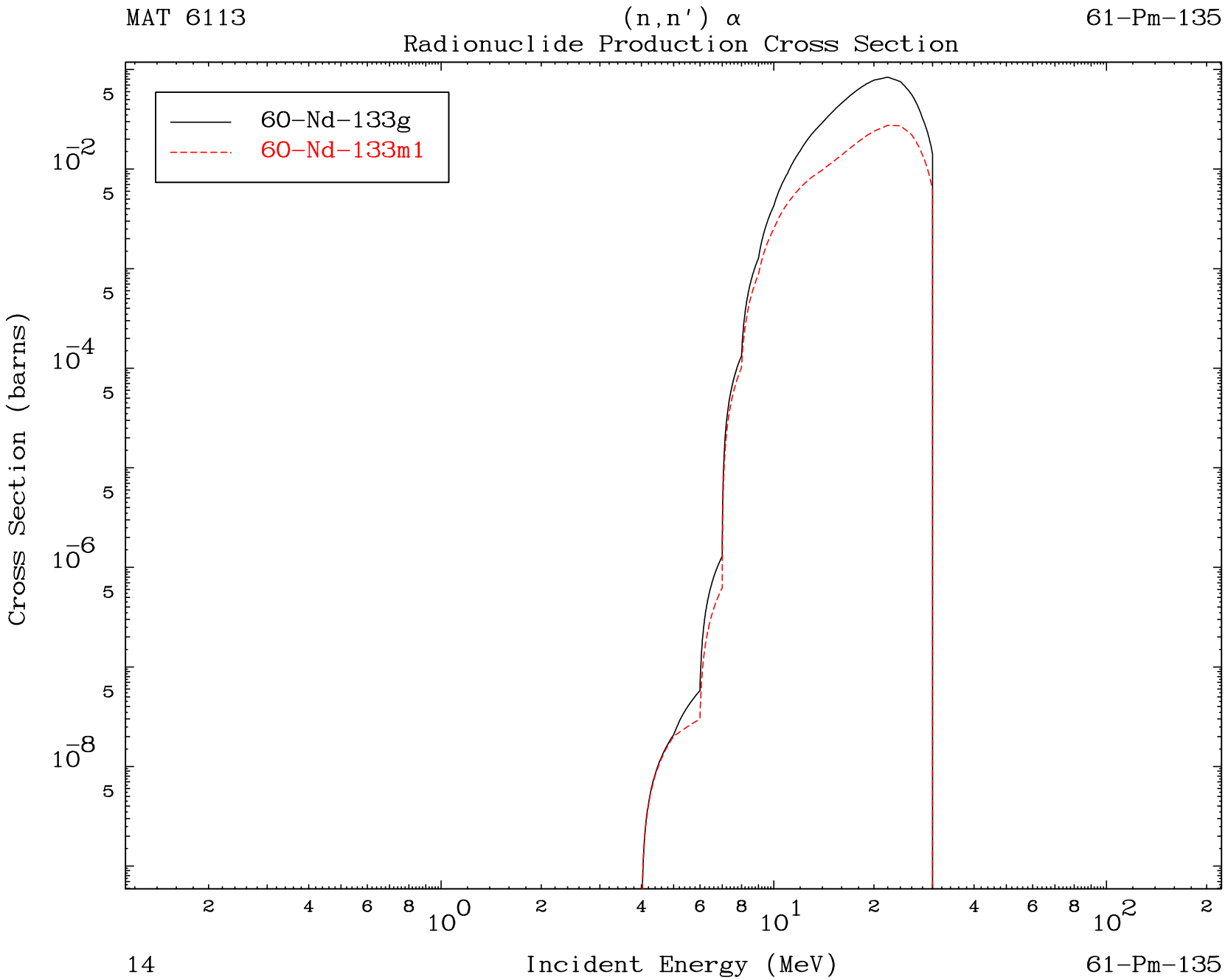

MAT 6113
(t,d) Levels
61-Pm-135
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
9
61-Pm-135

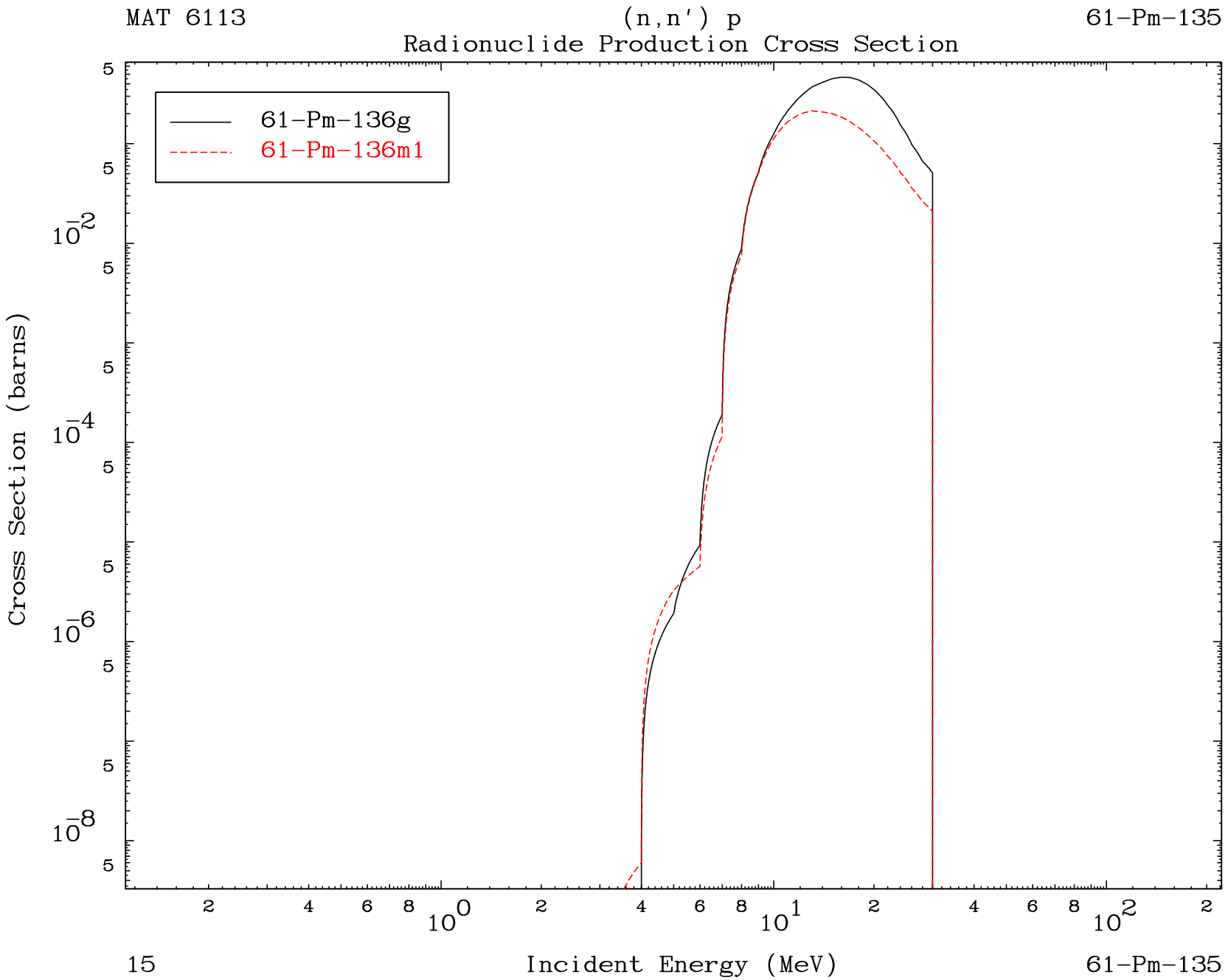

MAT 6113
(t,t) Levels
61-Pm-135
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
61-Pm-135

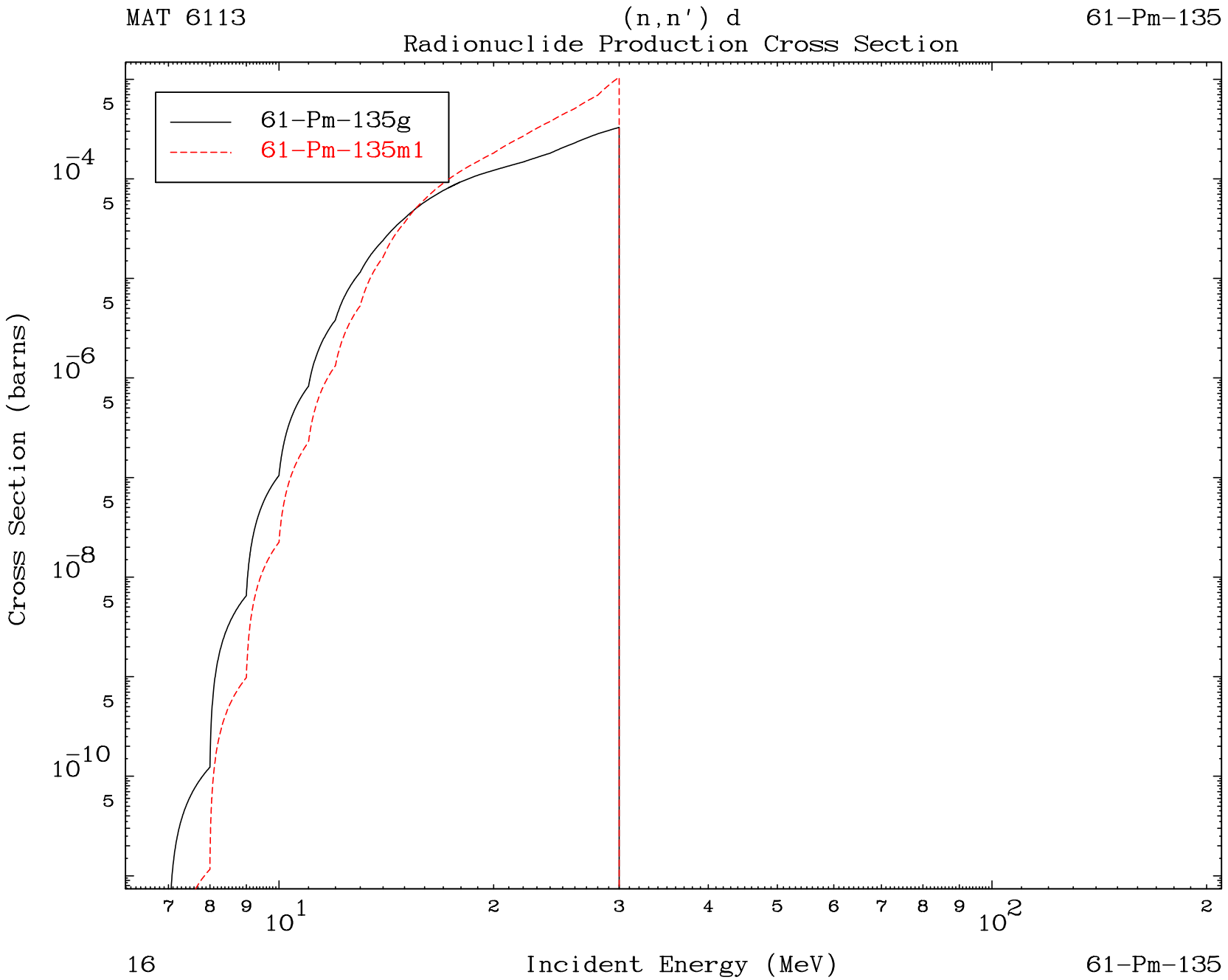

MAT 6113
(t,He3) Levels
61-Pm-135
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
61-Pm-135

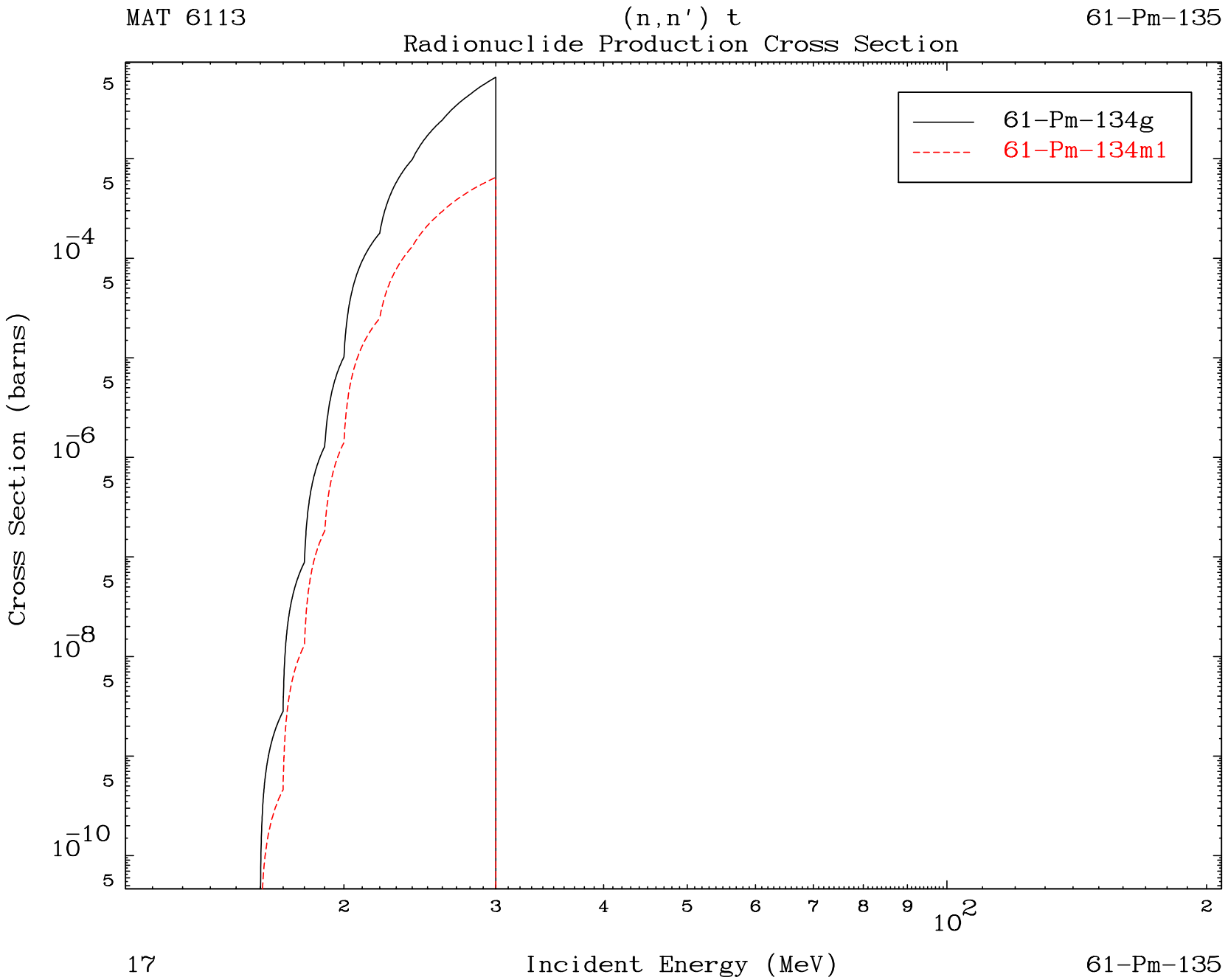

MAT 6113
(t,α) Levels
61-Pm-135
0 Kelvin Cross Sections
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
Incident Energy (MeV)
12
61-Pm-135

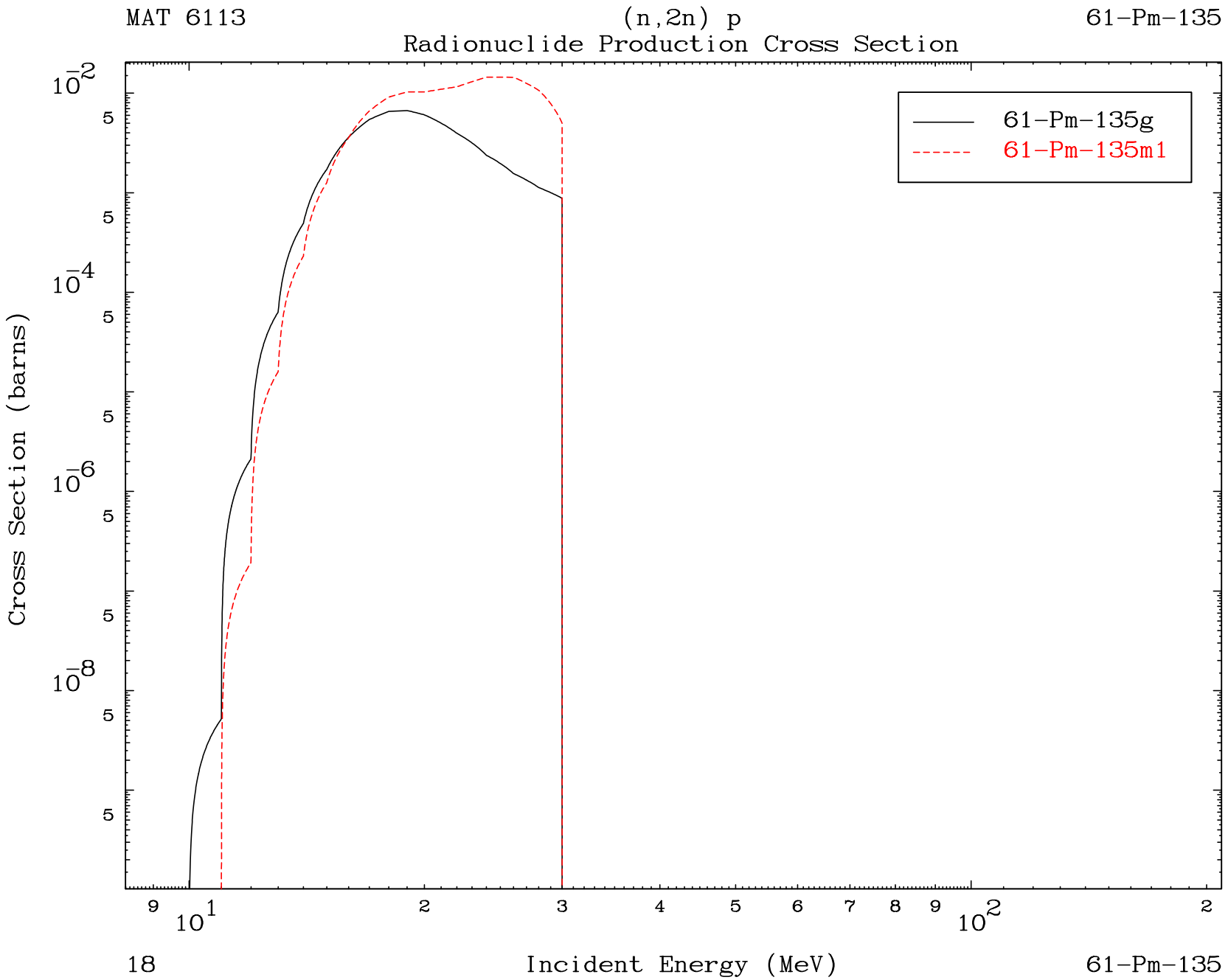

MAT 6113
(n,2n) d
61-Pm-135
Radionuclide Production Cross Section
61-Pm-134g
61-Pm-134m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
61-Pm-135

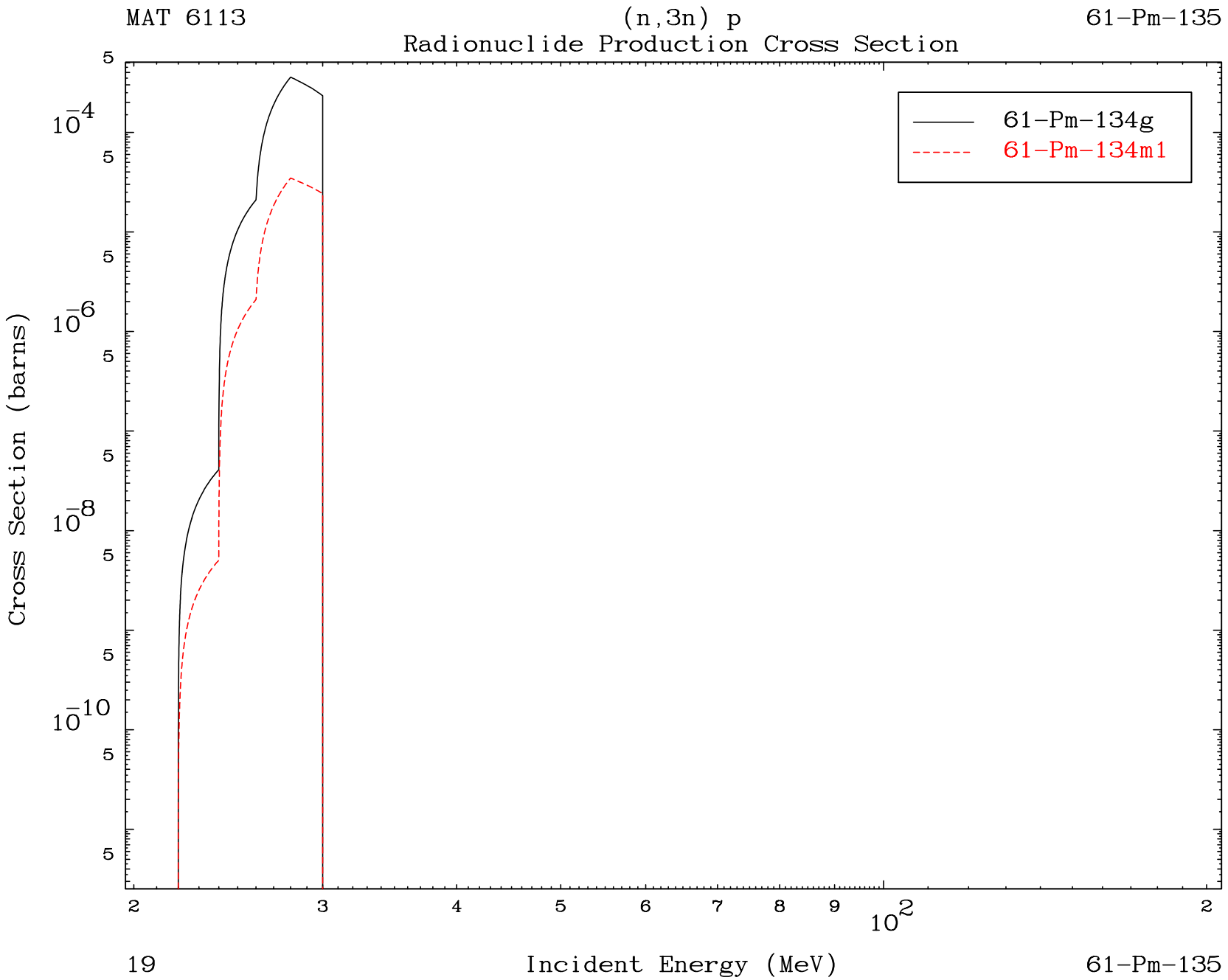

MAT 6113
(n,n') α
61-Pm-135
Radionuclide Production Cross Section
60-Nd-133g
60-Nd-133m1
Cross Section (barns)
Incident Energy (MeV)
14
61-Pm-135

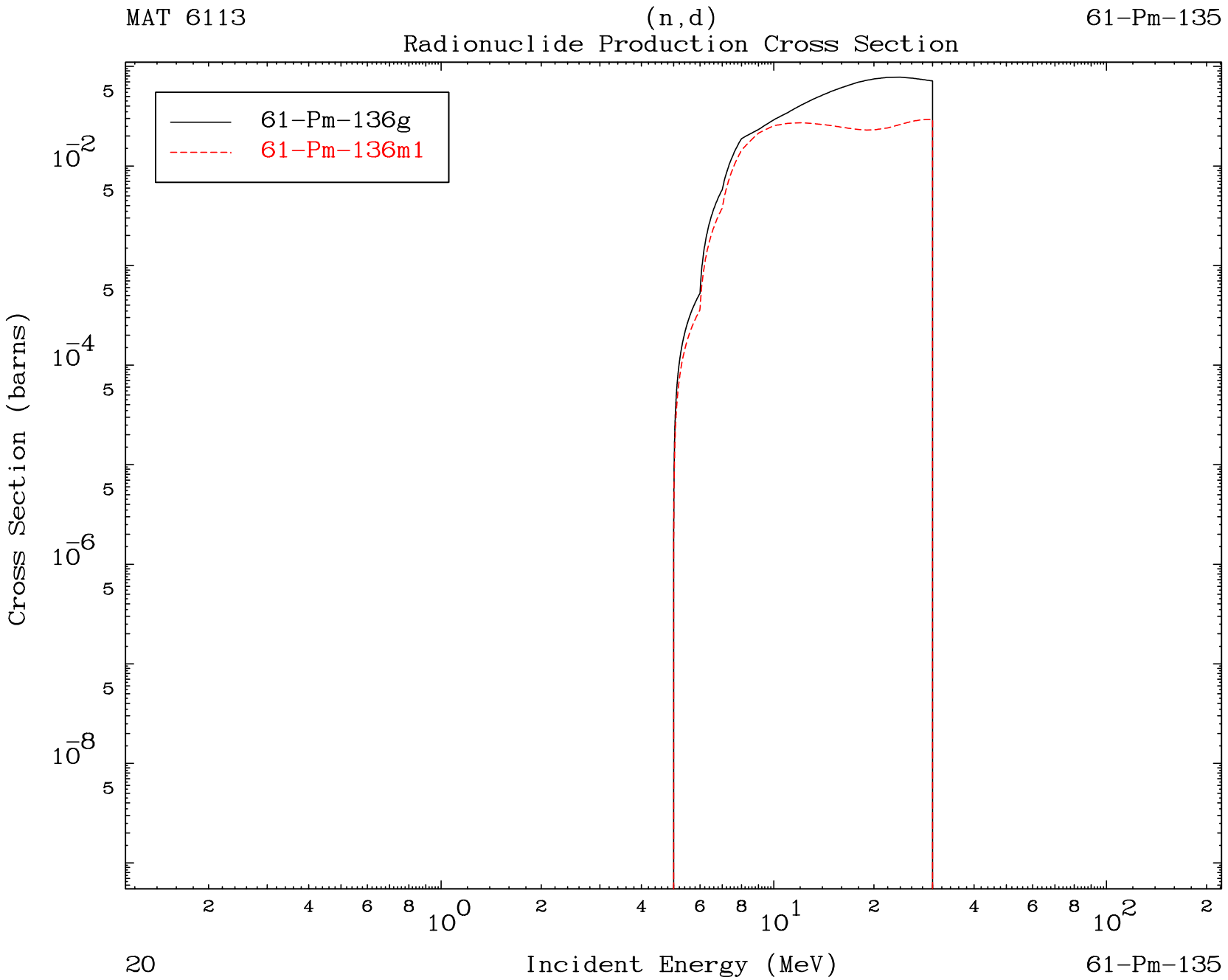

MAT 6113
(n,n') p
61-Pm-135
Radionuclide Production Cross Section
61-Pm-136g
61-Pm-136m1
Cross Section (barns)
Incident Energy (MeV)
15
61-Pm-135

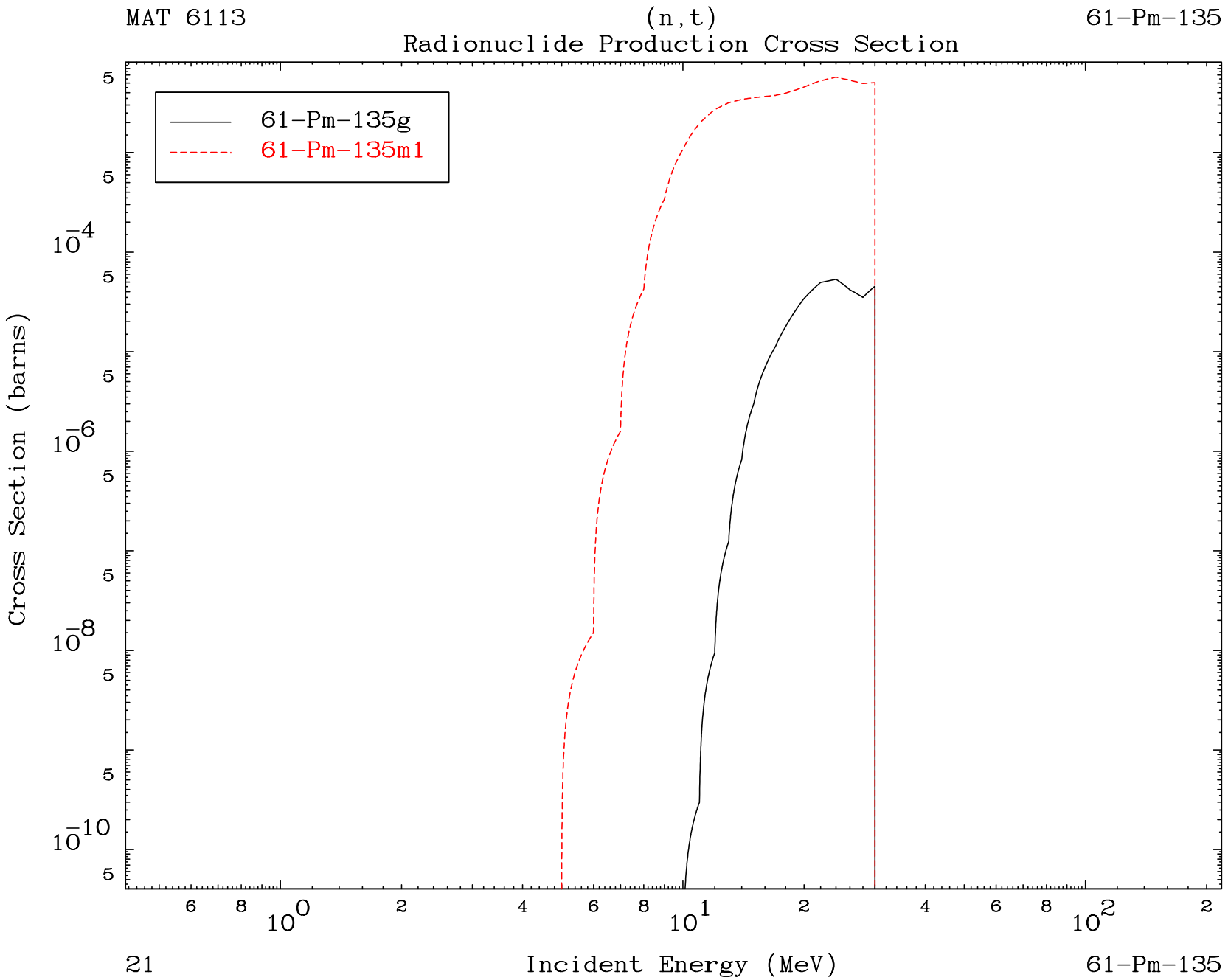

MAT 6113
(n,n') d
61-Pm-135
Radionuclide Production Cross Section
61-Pm-135g
61-Pm-135m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
16
61-Pm-135

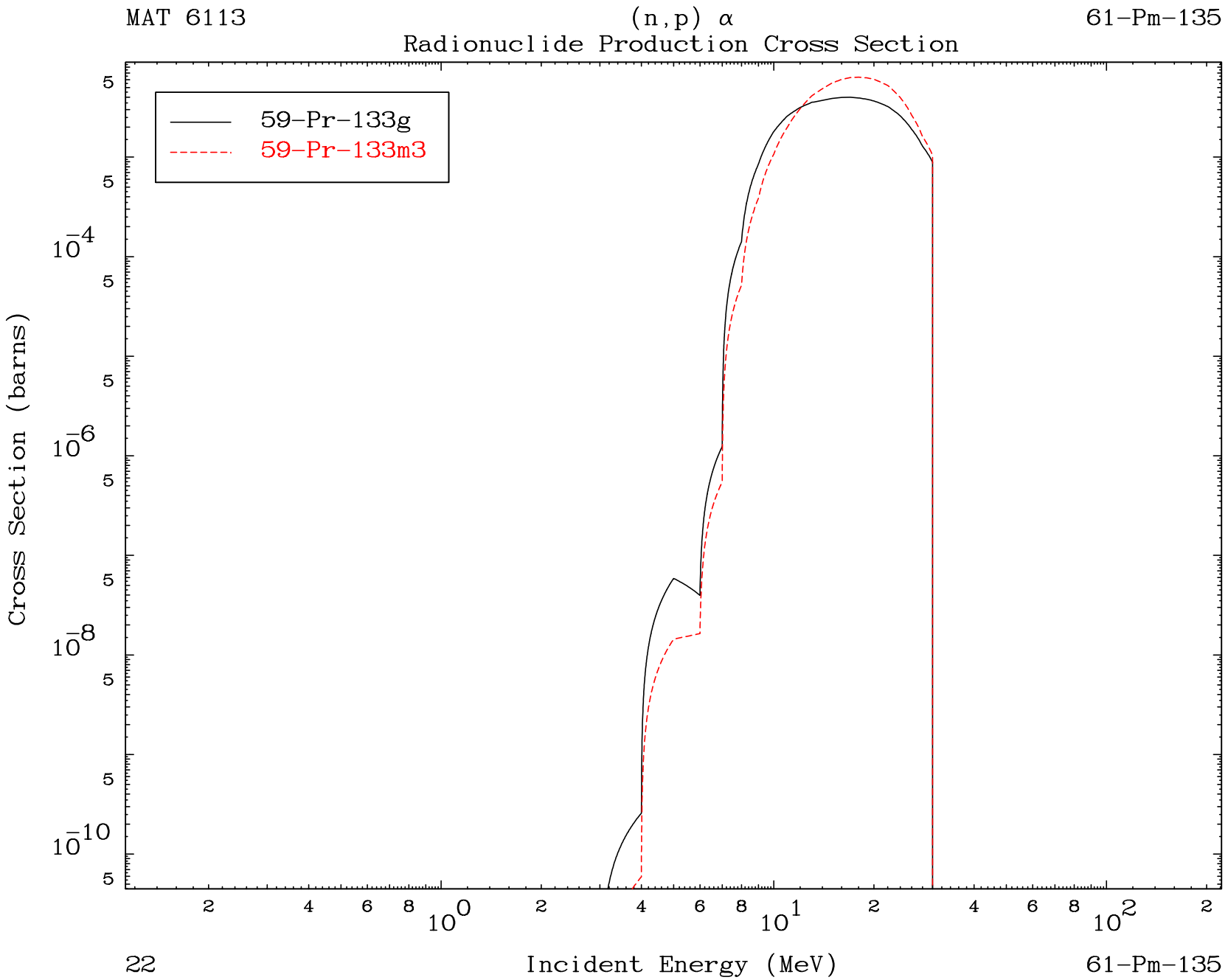

MAT 6113
(n,n') t
61-Pm-135
Radionuclide Production Cross Section
61-Pm-134g
61-Pm-134m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
61-Pm-135

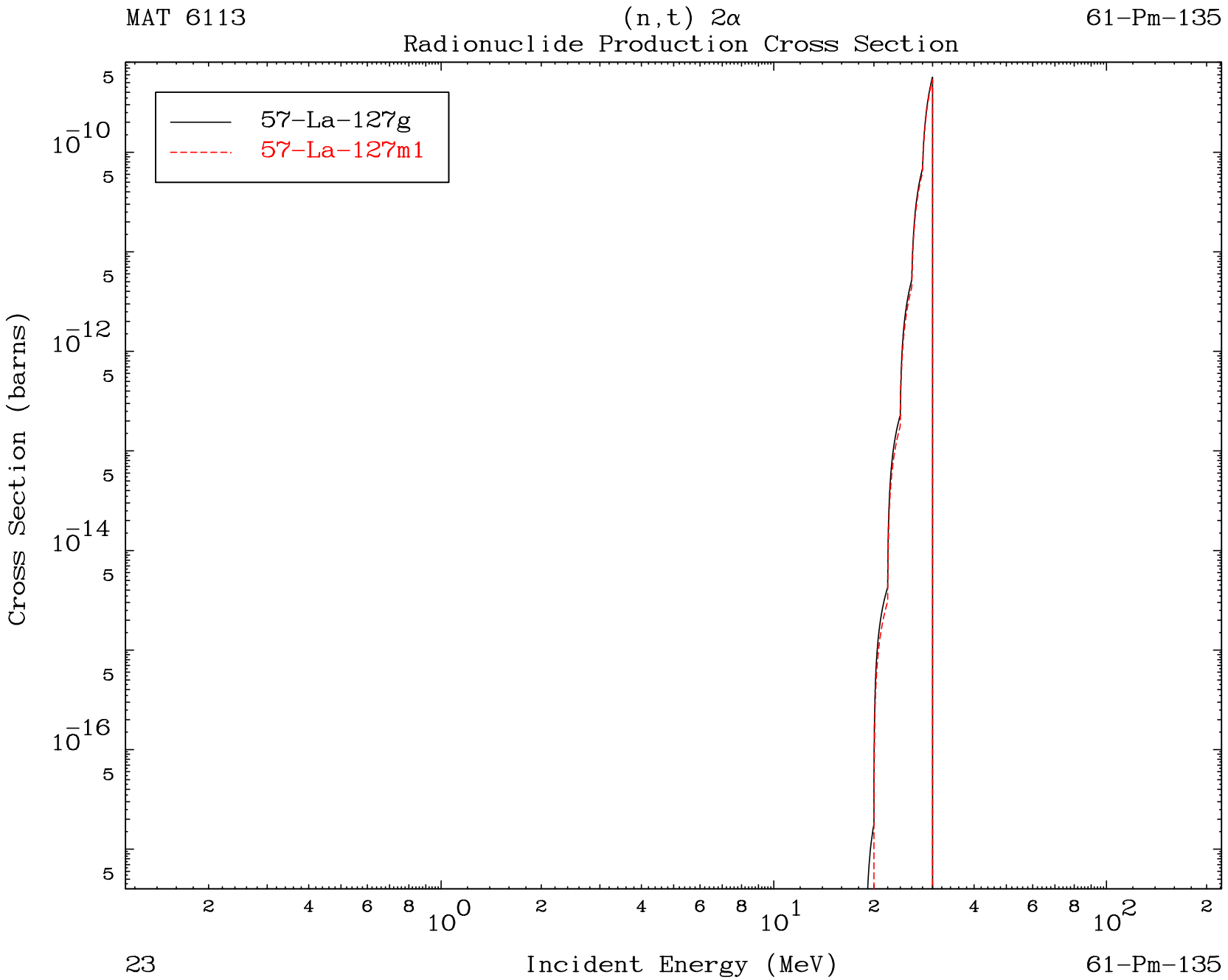

MAT 6113
(n,2n) p
61-Pm-135
Radionuclide Production Cross Section
61-Pm-135g
61-Pm-135m1
Cross Section (barns)
Incident Energy (MeV)
18
61-Pm-135


MAT 6113
(n,3n) p
61-Pm-135
Radionuclide Production Cross Section
61-Pm-134g
61-Pm-134m1
Cross Section (barns)
Incident Energy (MeV)
19
61-Pm-135


MAT 6113
(n,d)
61-Pm-135
Radionuclide Production Cross Section
61-Pm-136g
61-Pm-136m1
Cross Section (barns)
Incident Energy (MeV)
20
61-Pm-135


MAT 6113
(n,t)
61-Pm-135
Radionuclide Production Cross Section
61-Pm-135g
61-Pm-135m1
Cross Section (barns)
Incident Energy (MeV)
21
61-Pm-135


MAT 6113
(n,p) α
61-Pm-135
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
Incident Energy (MeV)
22
61-Pm-135


MAT 6113
(n,t) 2α
61-Pm-135
Radionuclide Production Cross Section
57-La-127g
57-La-127m1
Cross Section (barns)
10-10
10-12
10-14
10-16
100
101
102
Incident Energy (MeV)
23
61-Pm-135