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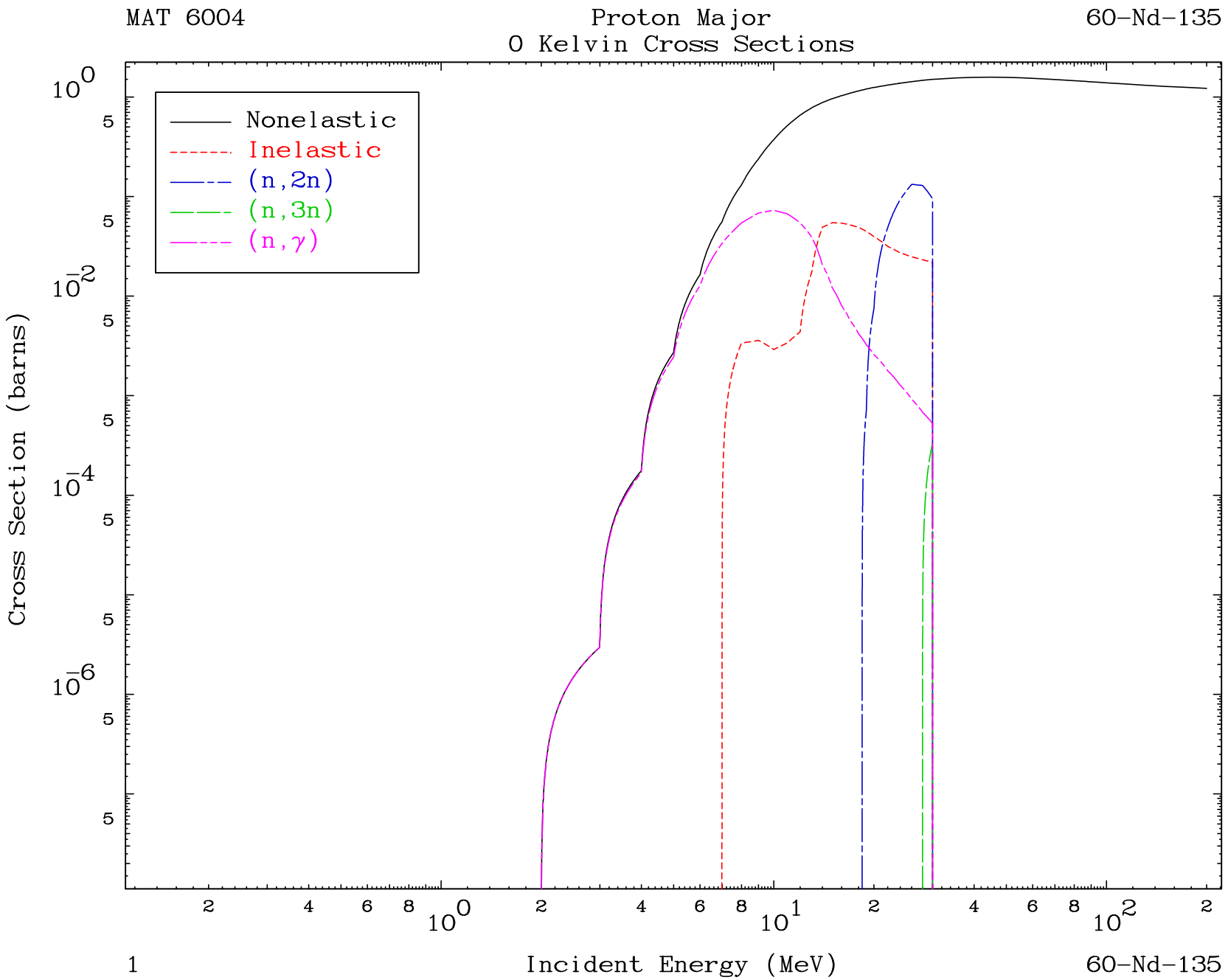
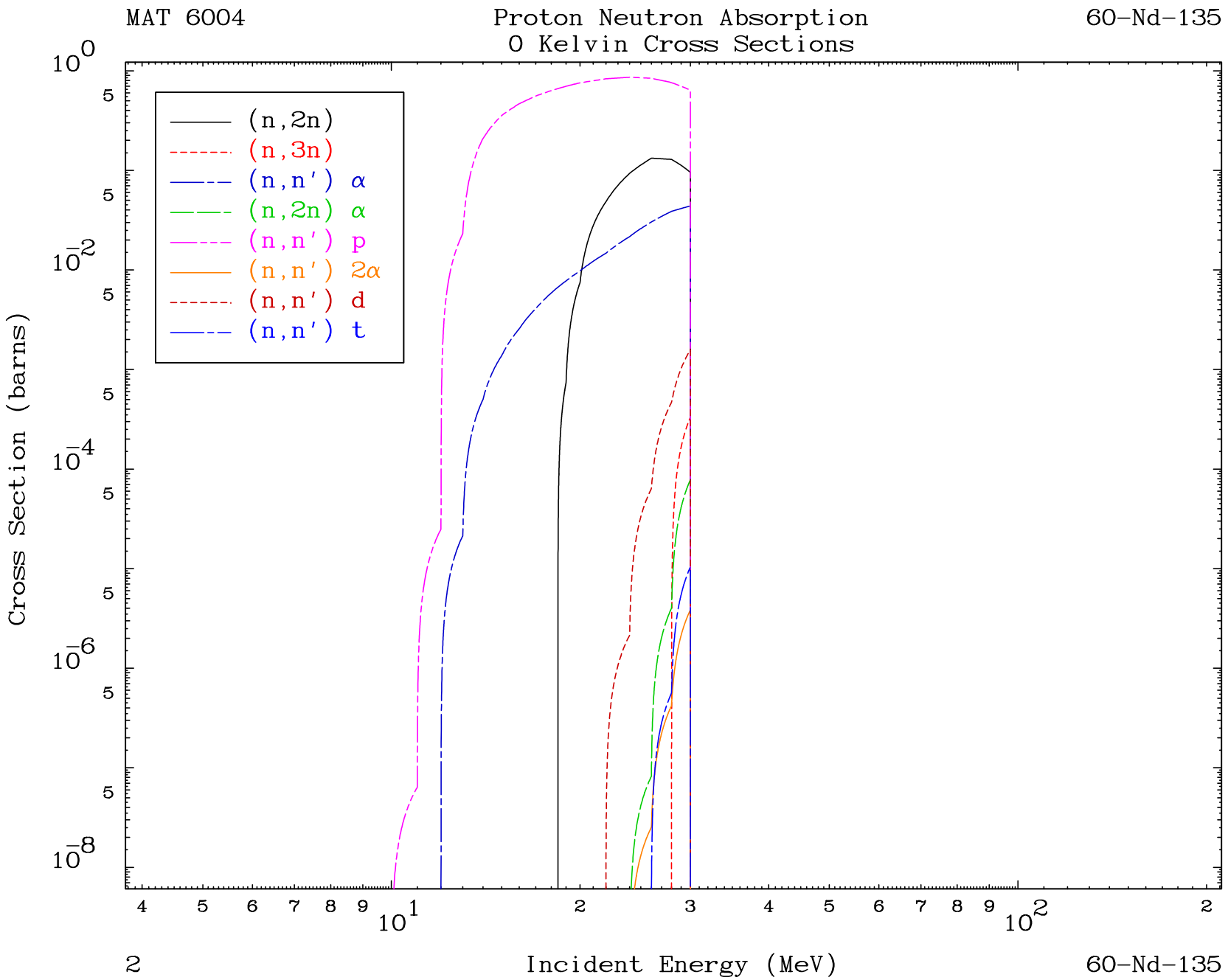
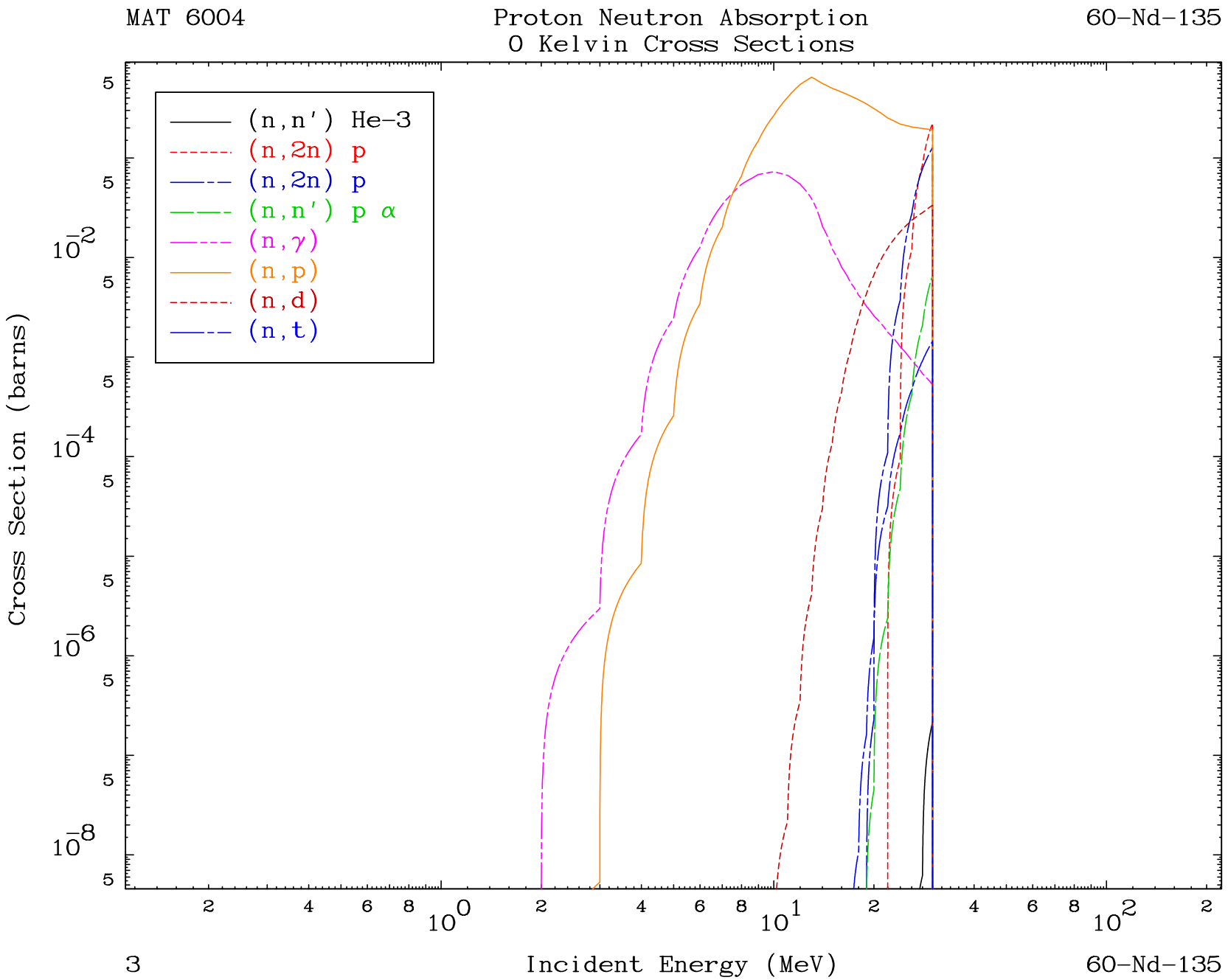
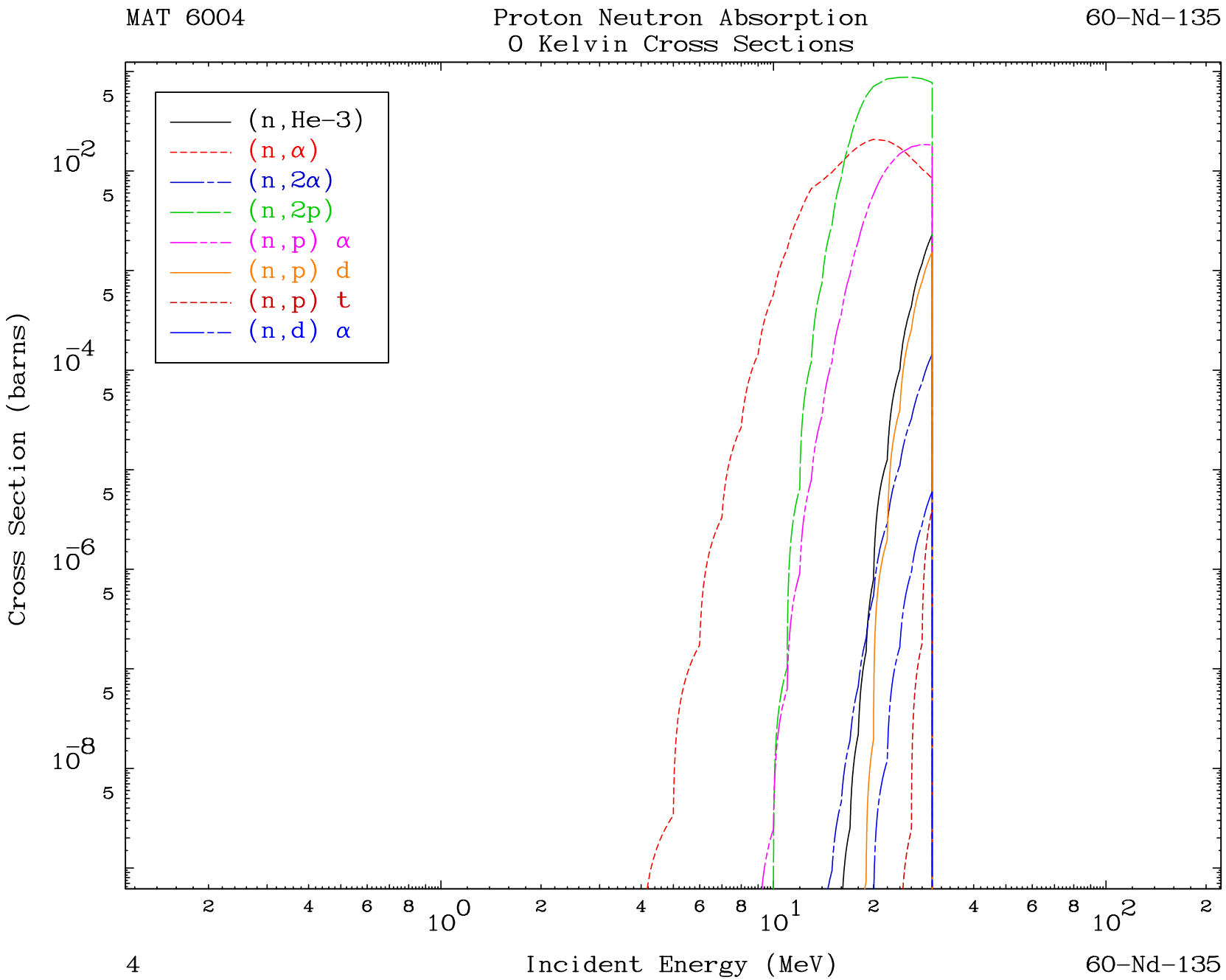
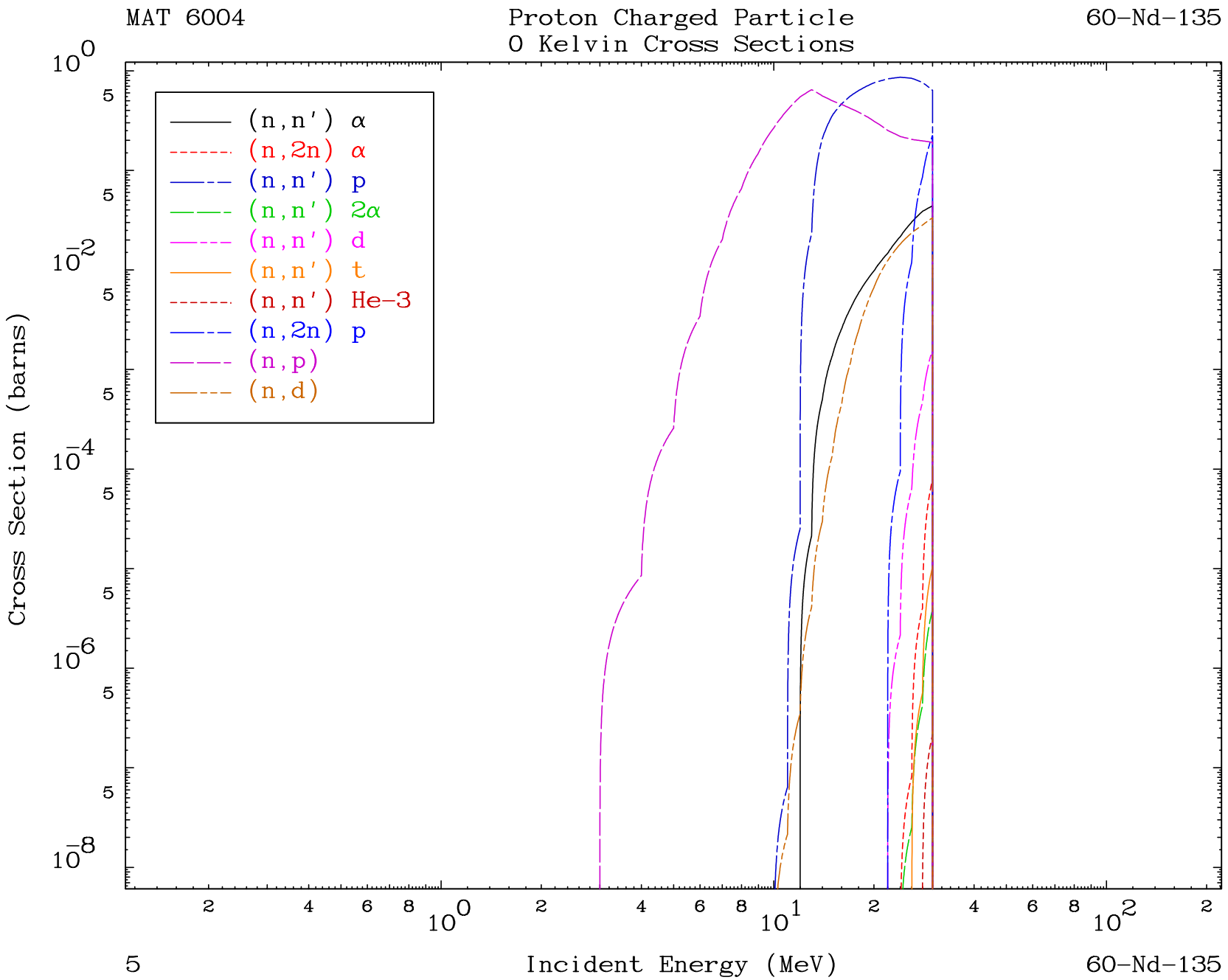
Press Mouse Button to Start

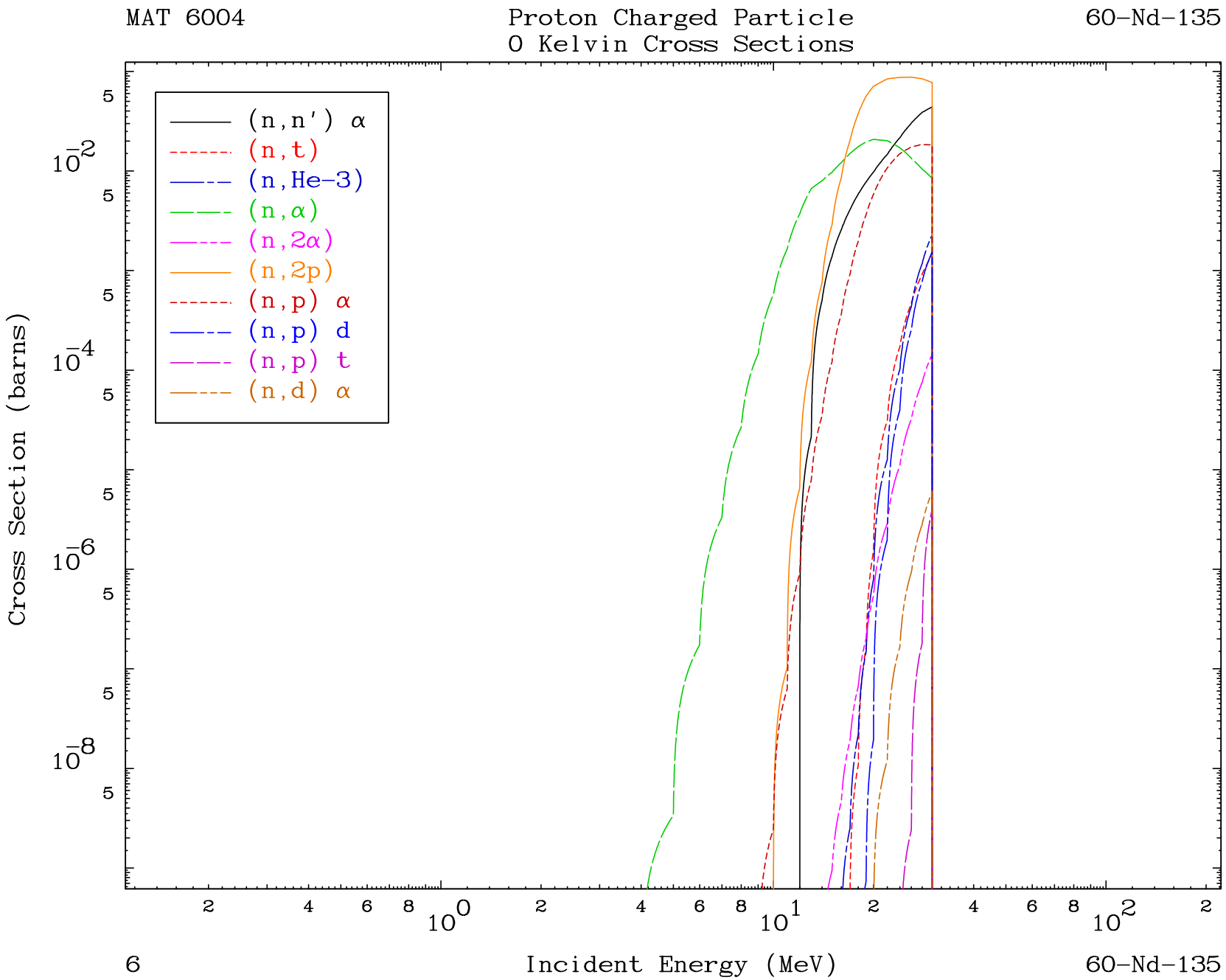

MAT 6004
Proton Major
60-Nd-135
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-135
1

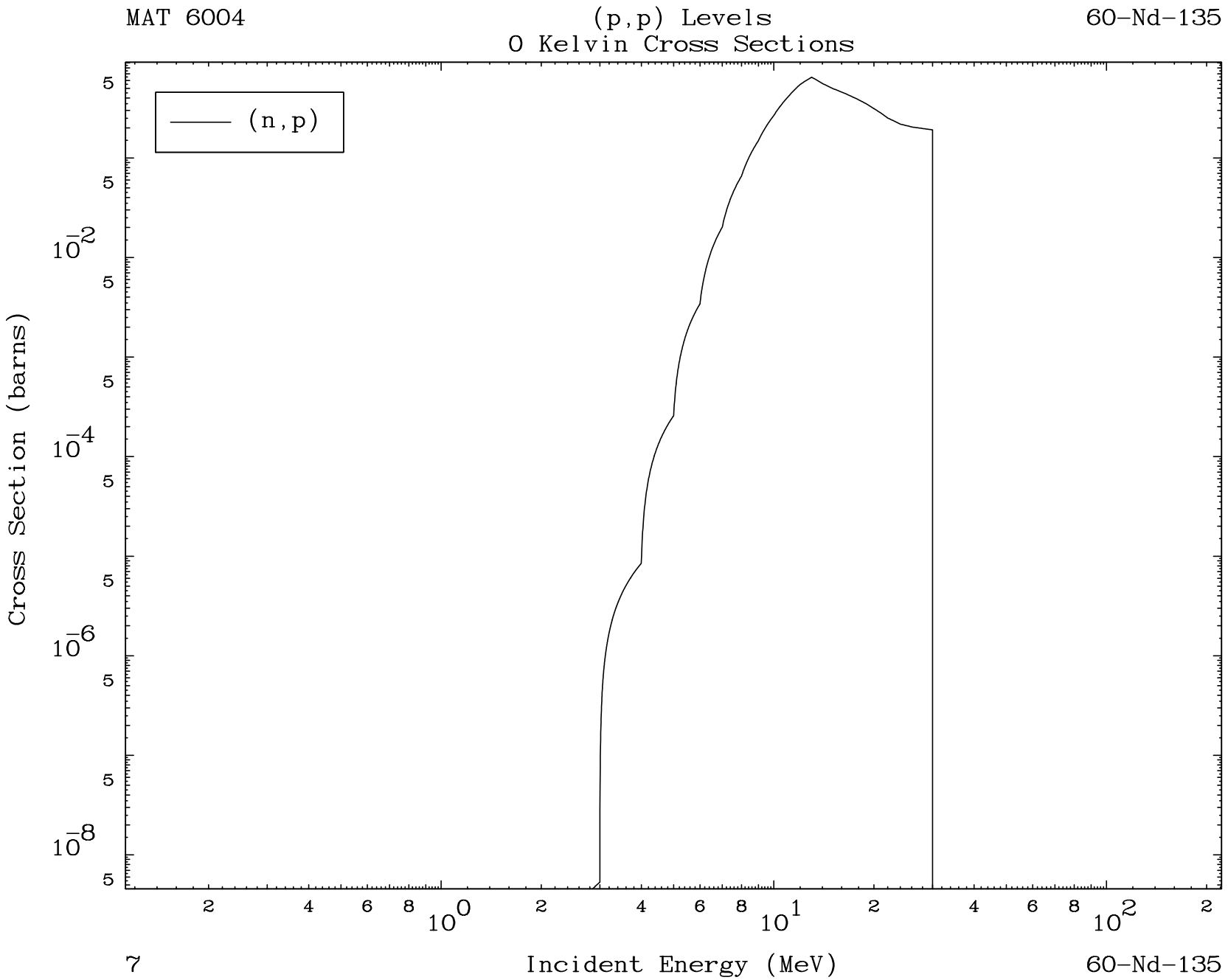

MAT 6004
Proton Neutron Absorption
0 Kelvin Cross Sections
60-Nd-135
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
60-Nd-135
2

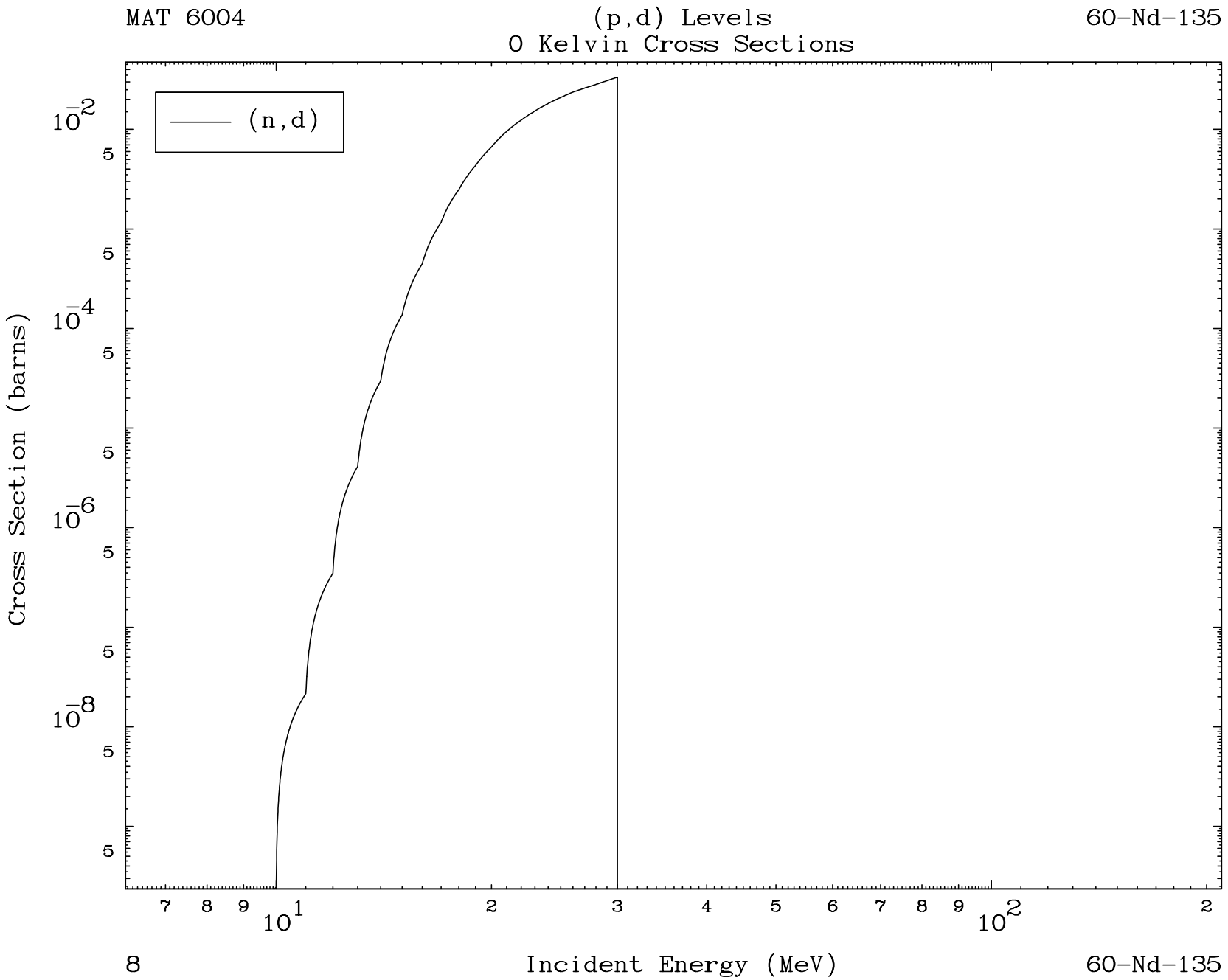

MAT 6004
Proton Neutron Absorption
0 Kelvin Cross Sections
60-Nd-135
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
60-Nd-135

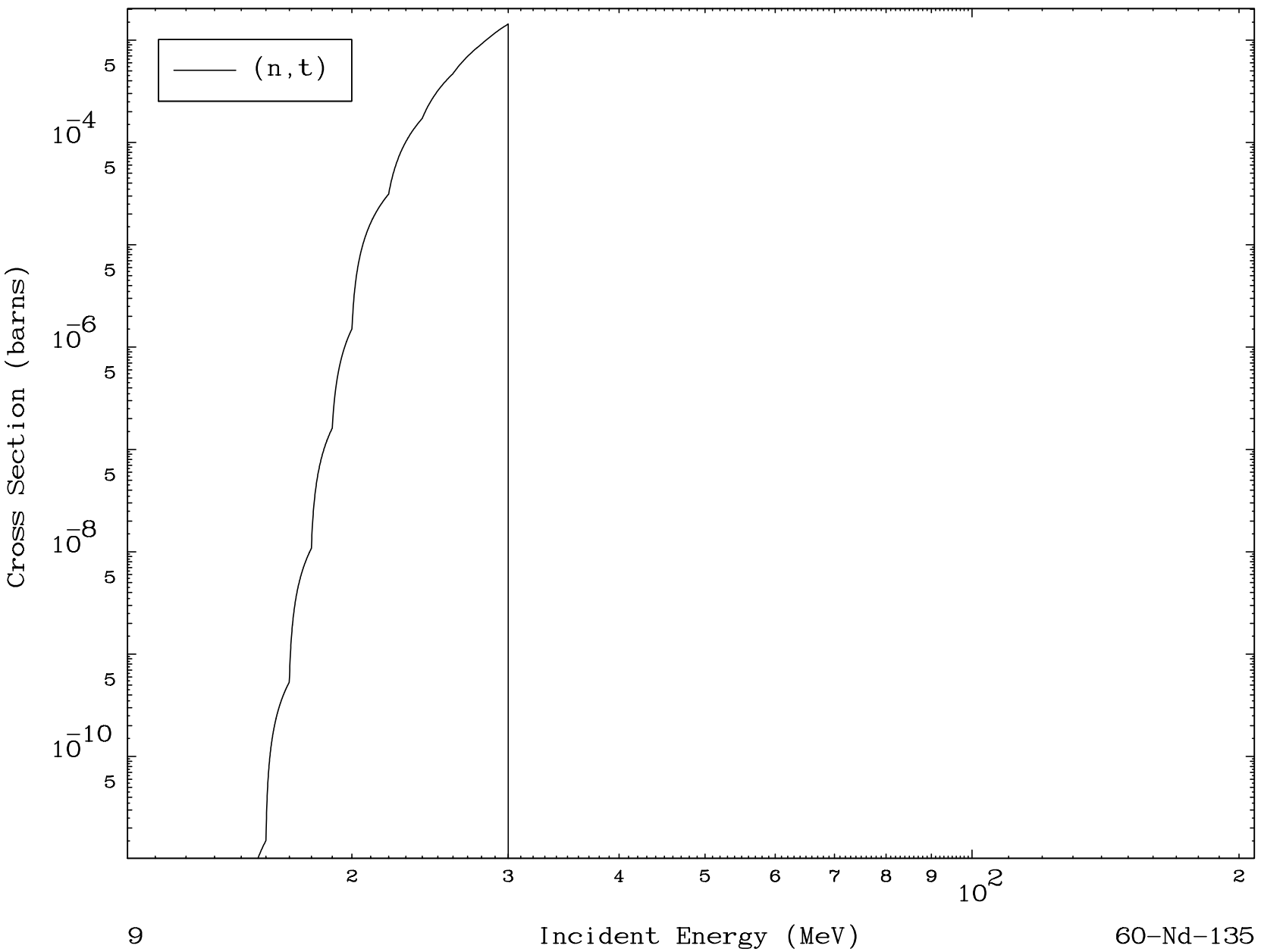

MAT 6004
Proton Neutron Absorption
0 Kelvin Cross Sections
60-Nd-135
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
60-Nd-135

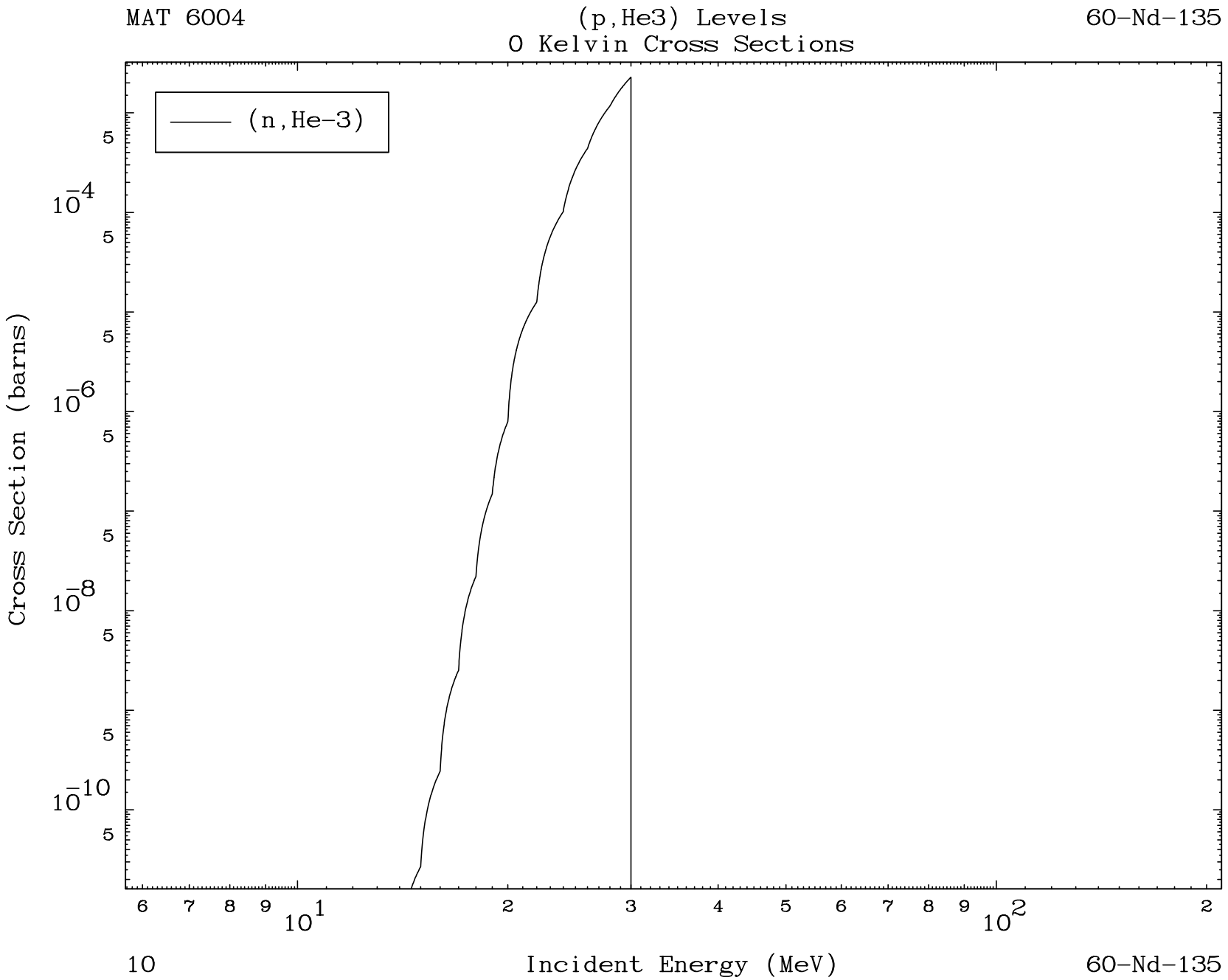

MAT 6004
Proton Charged Particle
0 Kelvin Cross Sections
60-Nd-135
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-135
5

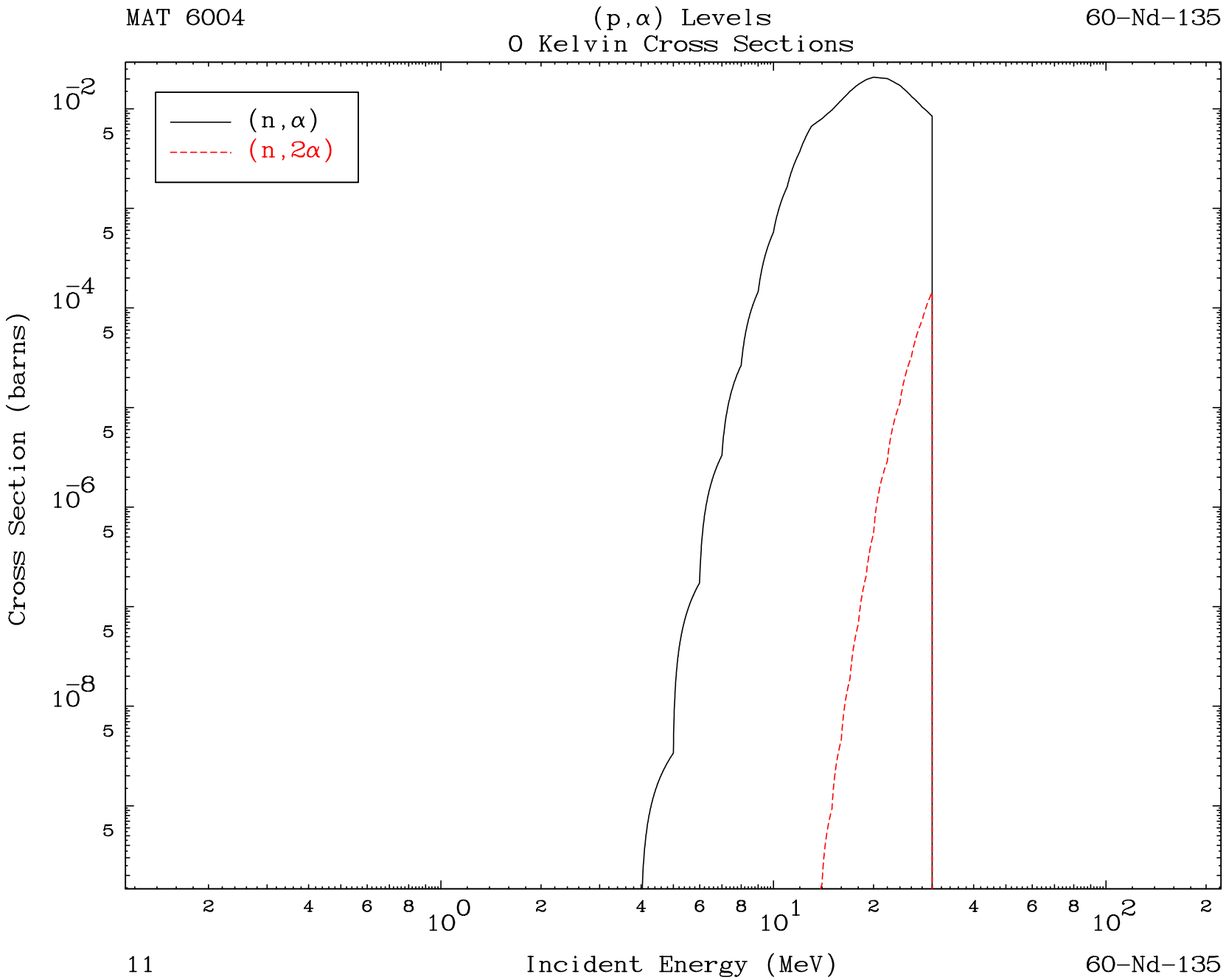

MAT 6004
Proton Charged Particle
0 Kelvin Cross Sections
60-Nd-135
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
60-Nd-135

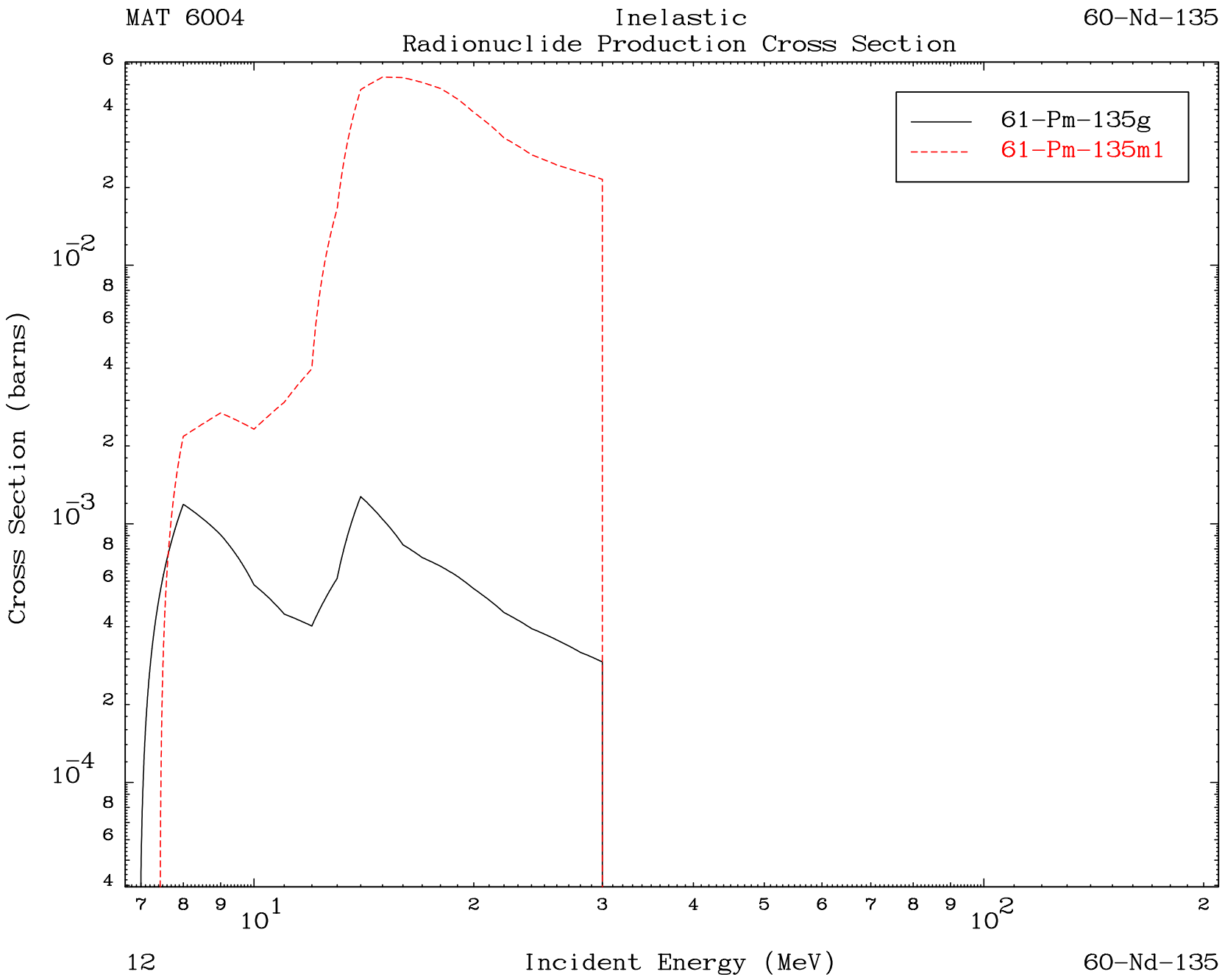

MAT 6004
(p,p) Levels
60-Nd-135
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
60-Nd-135

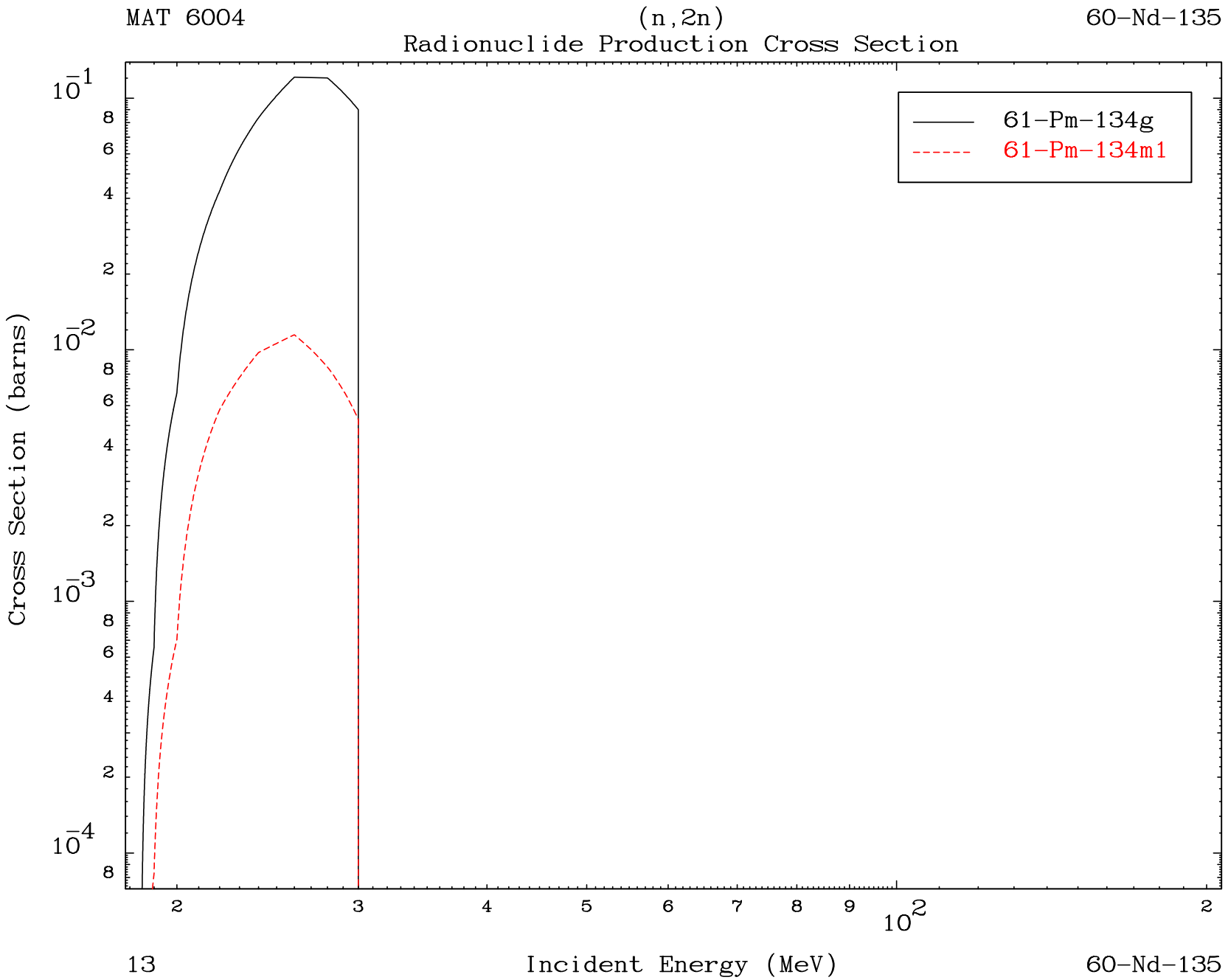

MAT 6004
(p,d) Levels
60-Nd-135
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
8
60-Nd-135

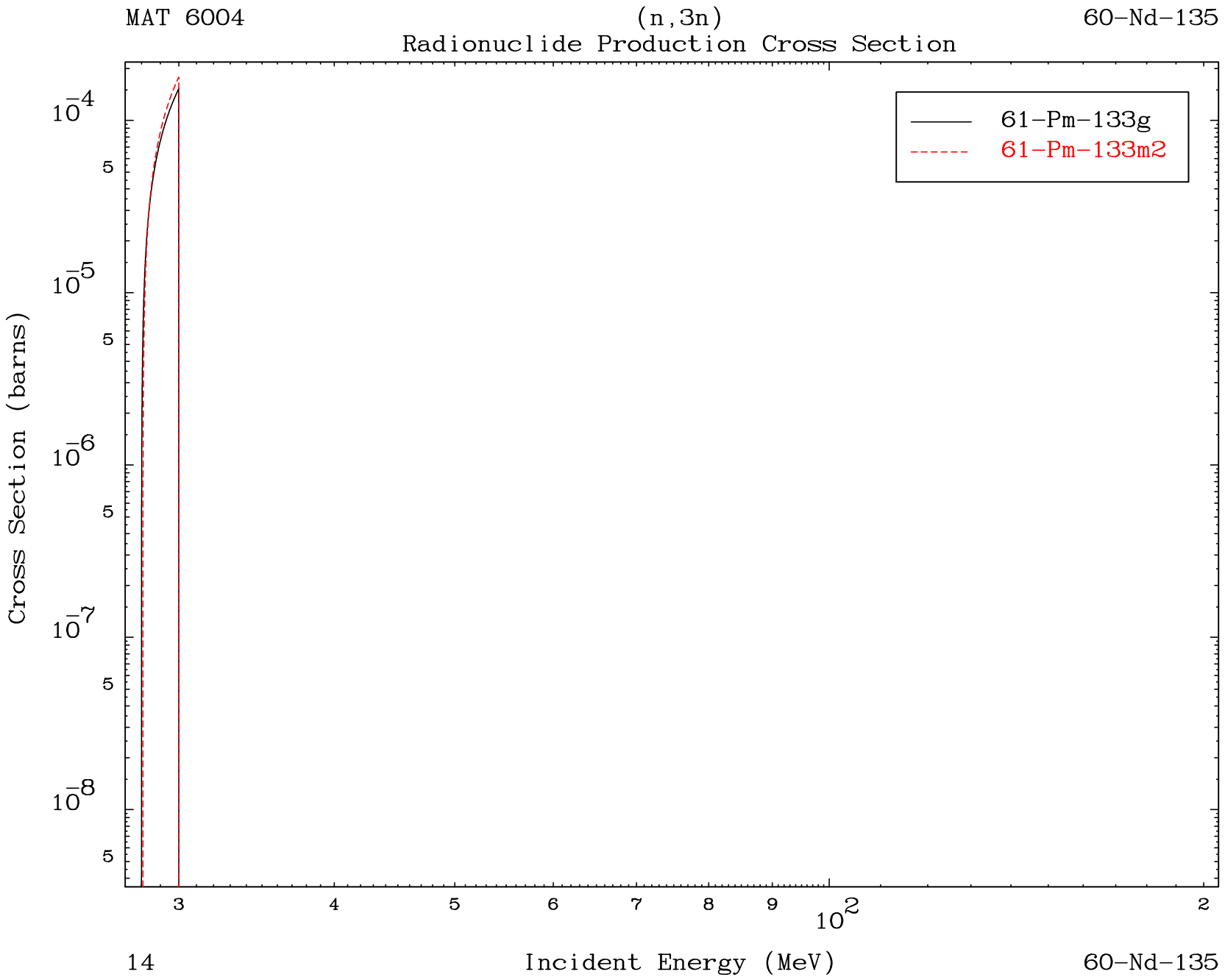

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

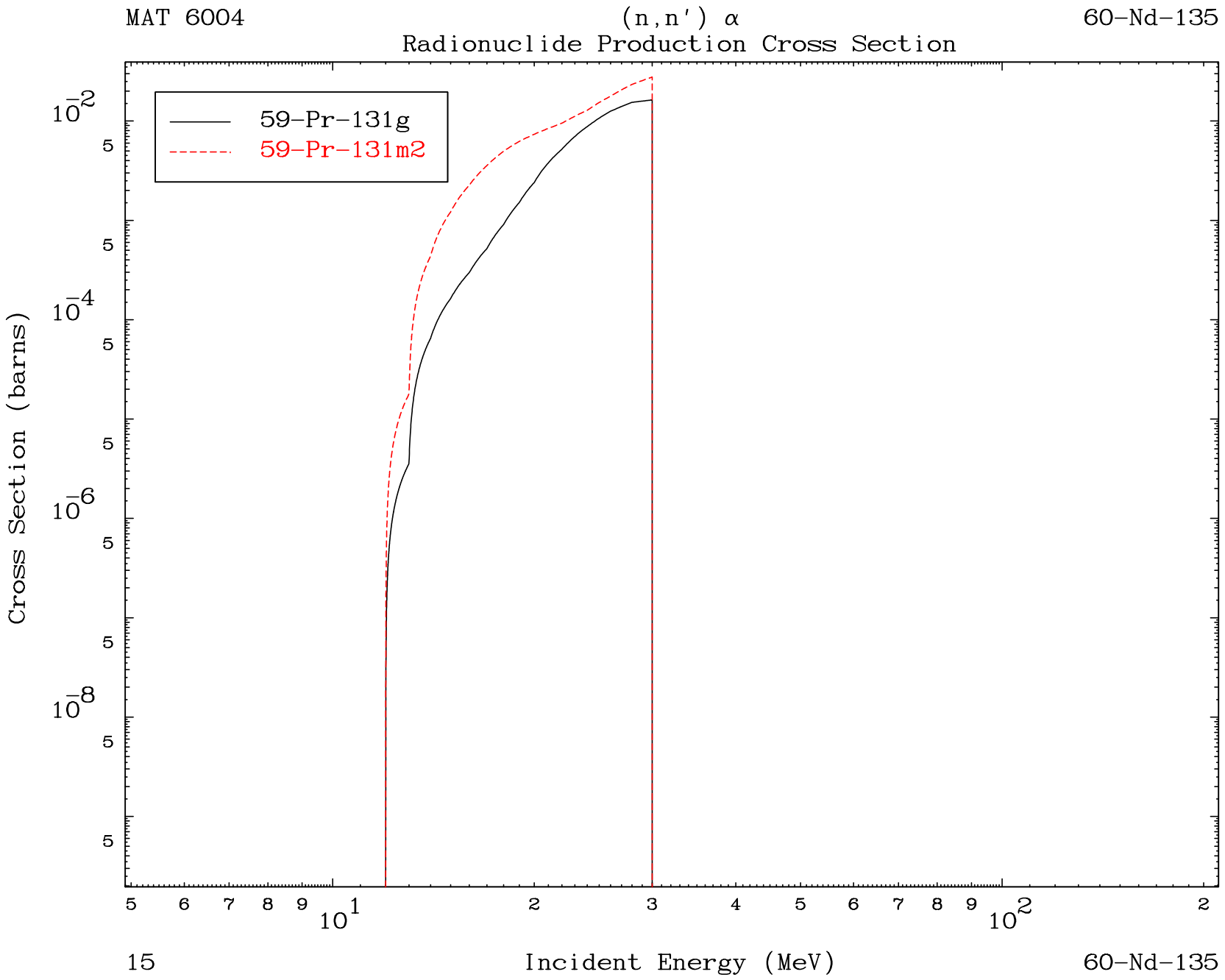

MAT 6004
(p,He3) Levels
60-Nd-135
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
60-Nd-135

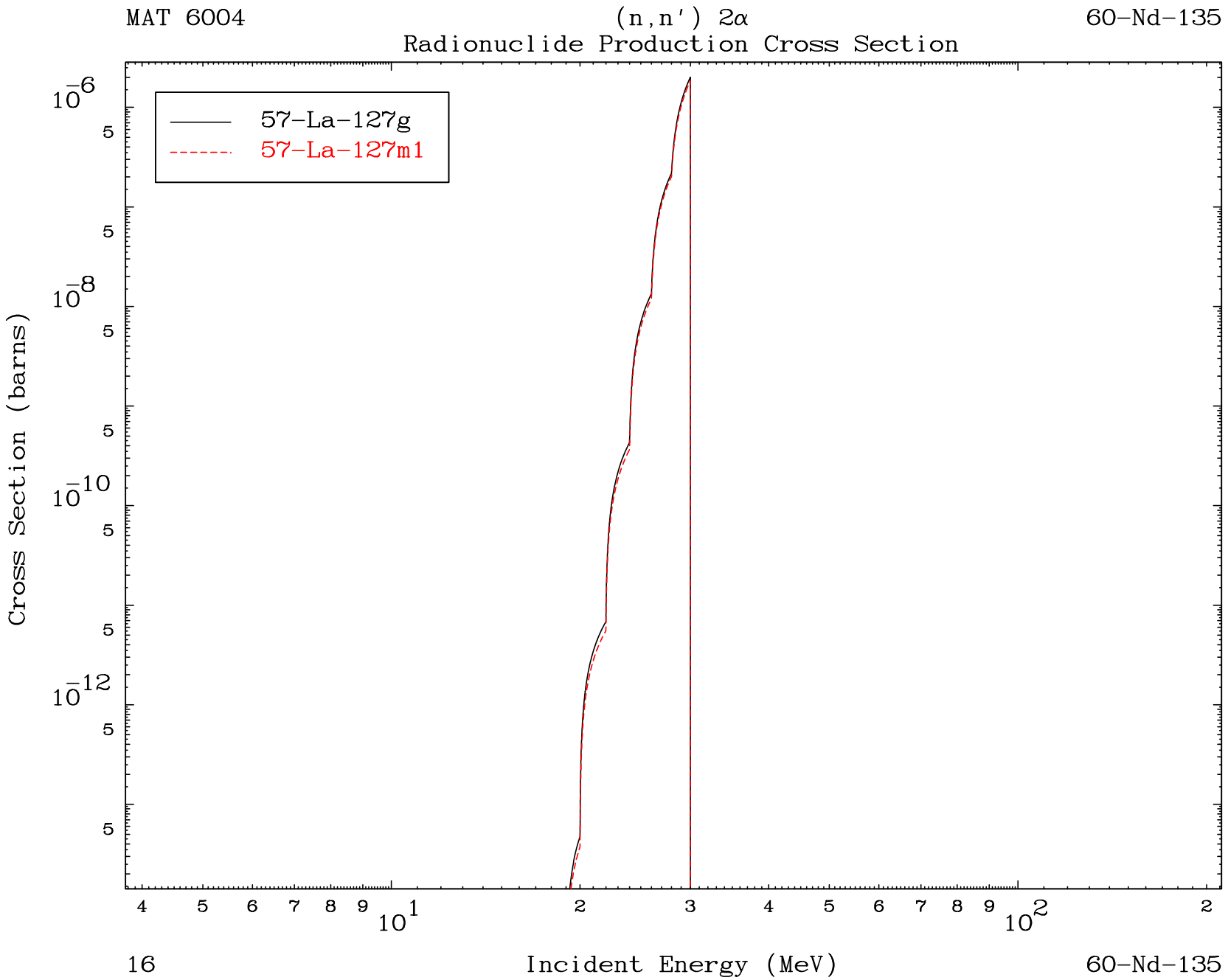

MAT 6004
(p,α) Levels
60-Nd-135
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
11
Incident Energy (MeV)
60-Nd-135

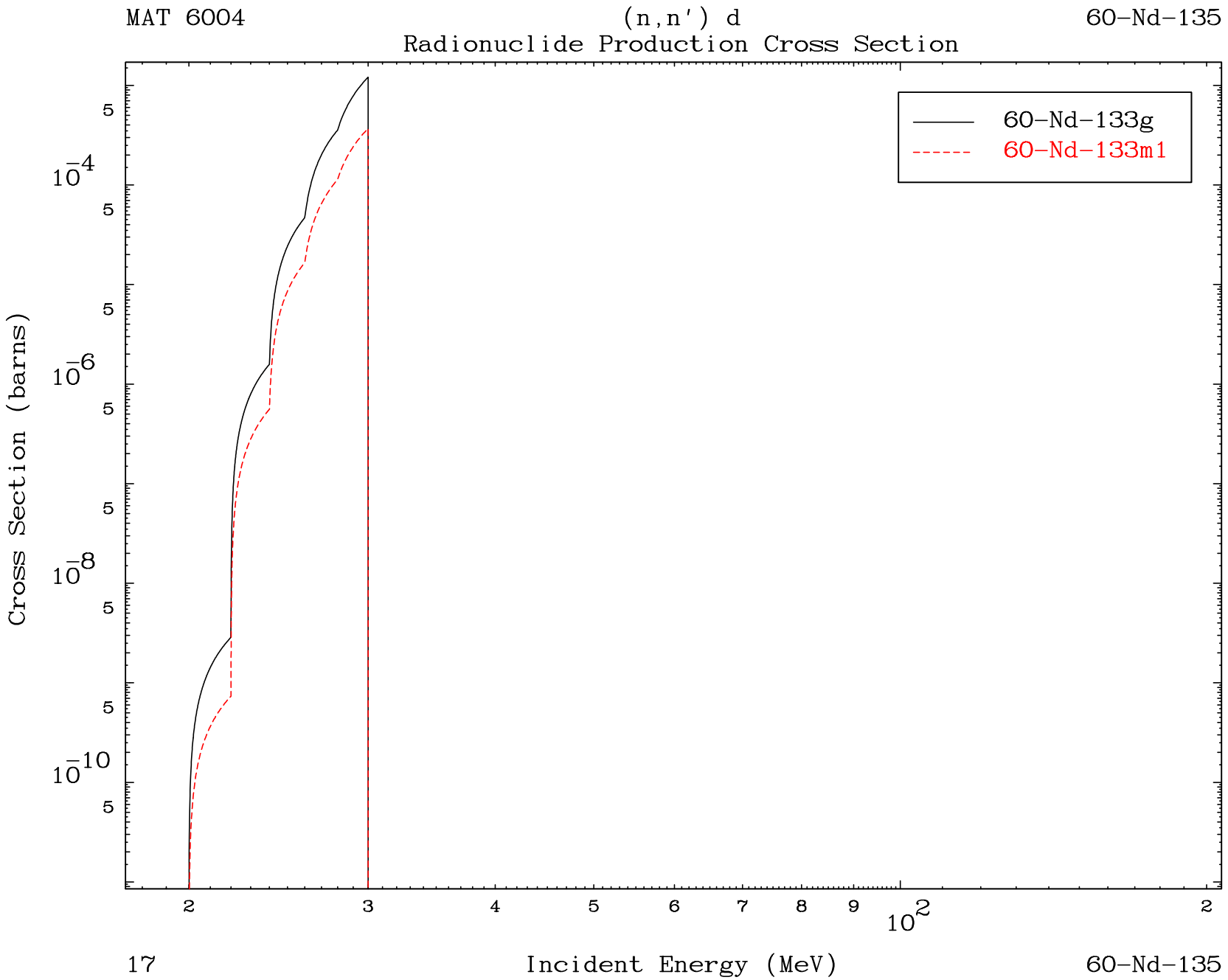

MAT 6004
Inelastic
60-Nd-135
Radionuclide Production Cross Section
61-Pm-135g
61-Pm-135m1
Cross Section (barns)
Incident Energy (MeV)
12
60-Nd-135

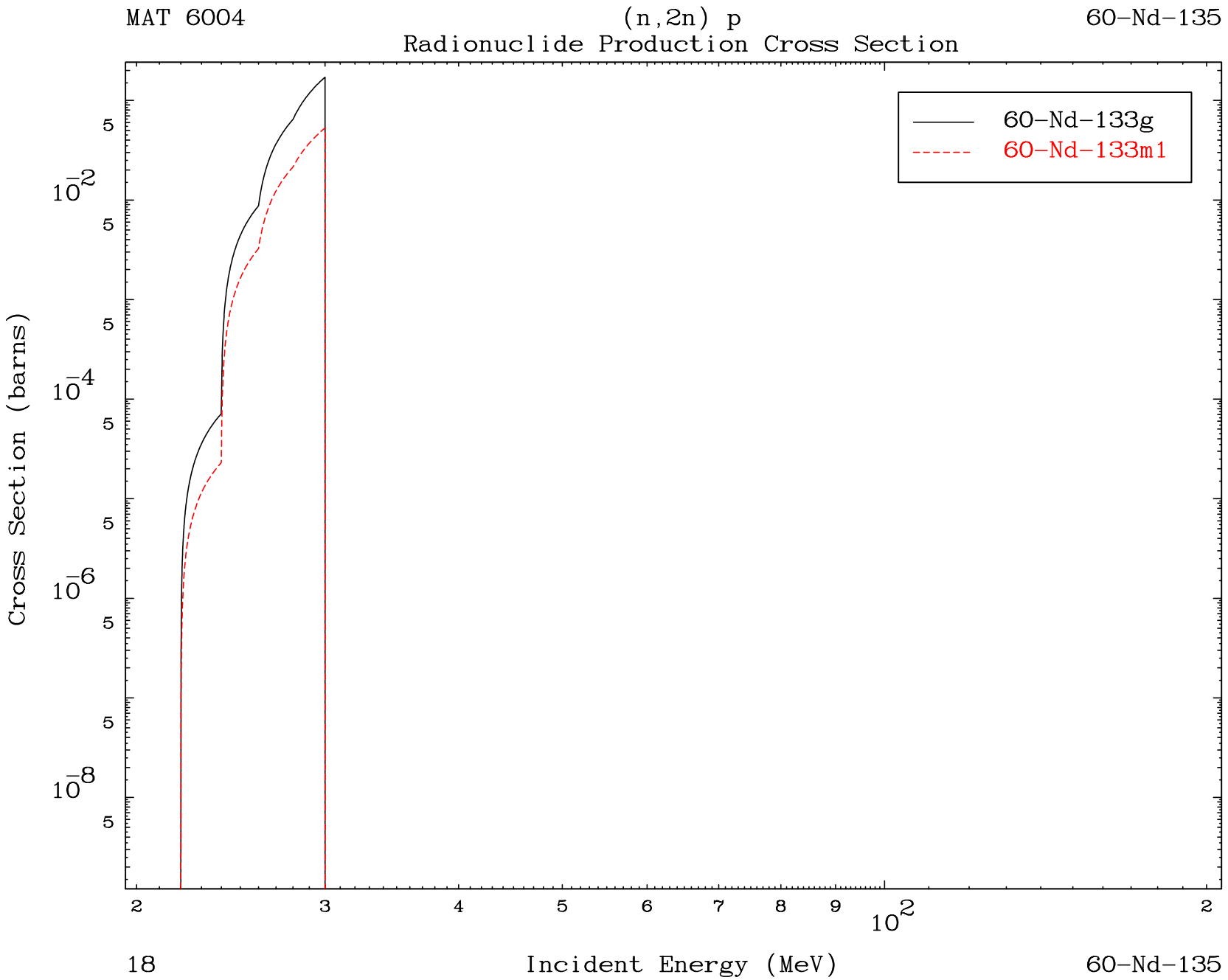

MAT 6004
(n,2n)
60-Nd-135
Radionuclide Production Cross Section
61-Pm-134g
61-Pm-134m1
Cross Section (barns)
Incident Energy (MeV)
13
60-Nd-135

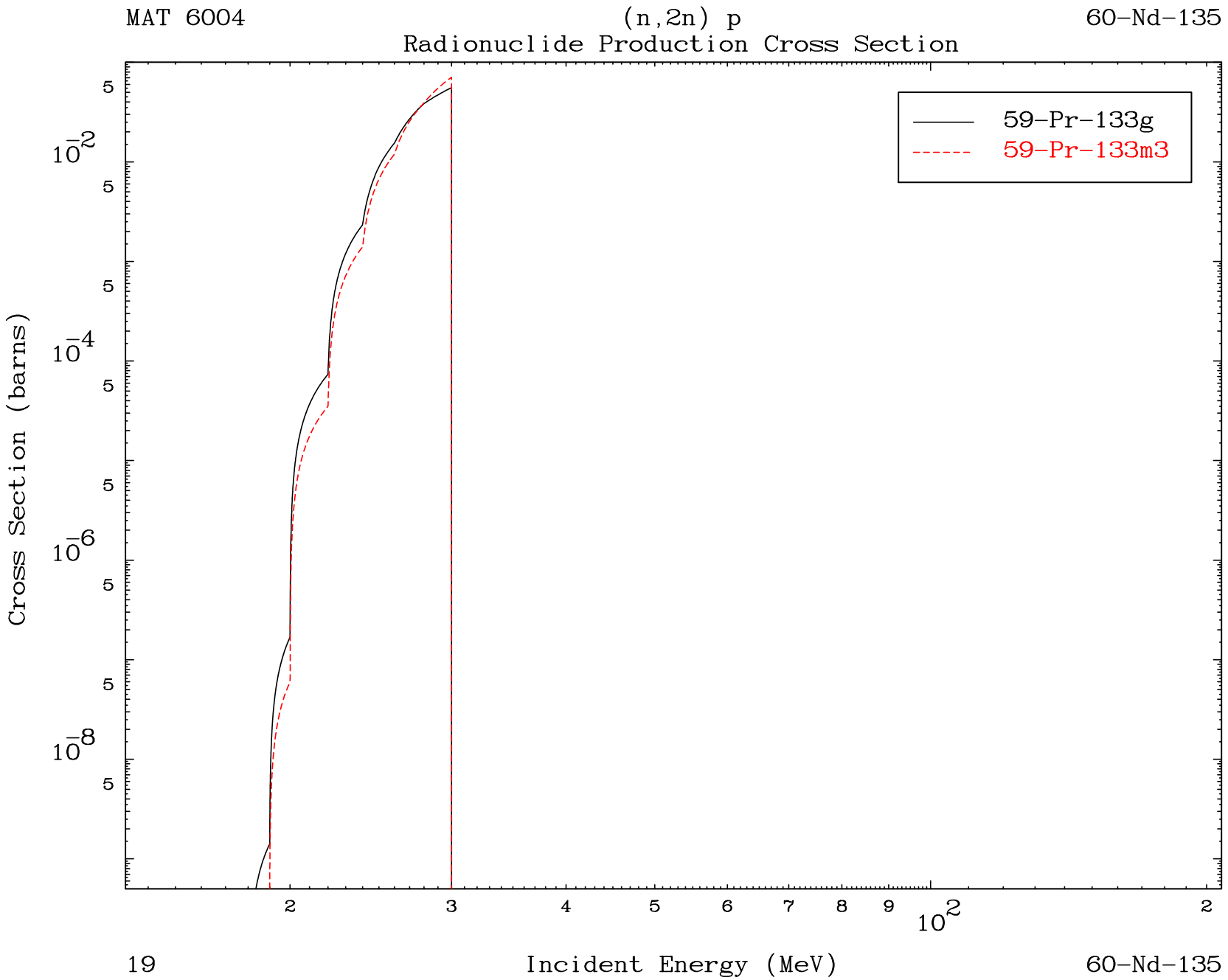

MAT 6004
(n,3n)
60-Nd-135
Radionuclide Production Cross Section
61-Pm-133g
61-Pm-133m2
Cross Section (barns)
10-4
5
10-5
5
10-6
5
10-7
5
10-8
5
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
60-Nd-135

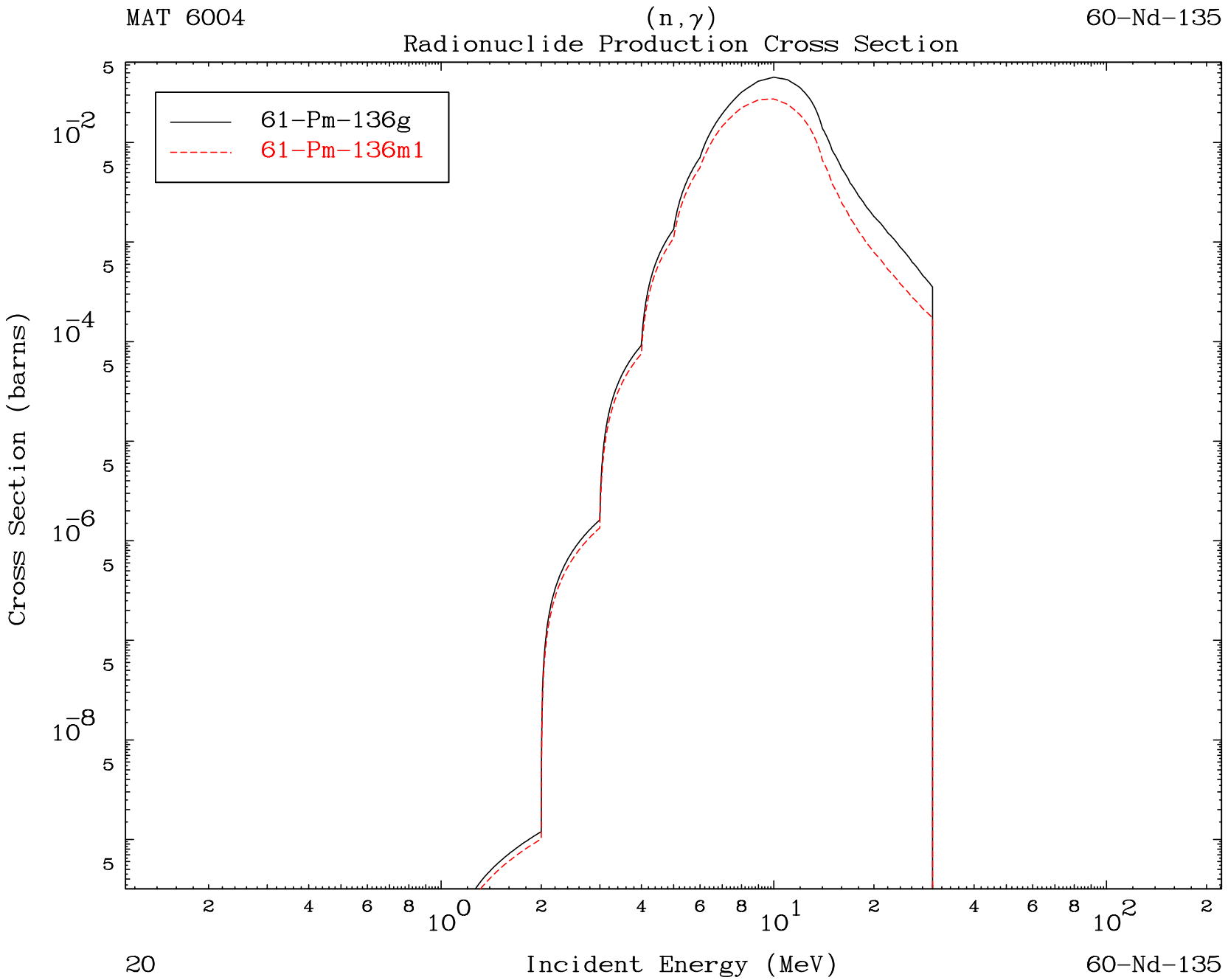

MAT 6004
(n,n') α
60-Nd-135
Radionuclide Production Cross Section
59-Pr-131g
59-Pr-131m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6
7
8
9
10 1
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
60-Nd-135

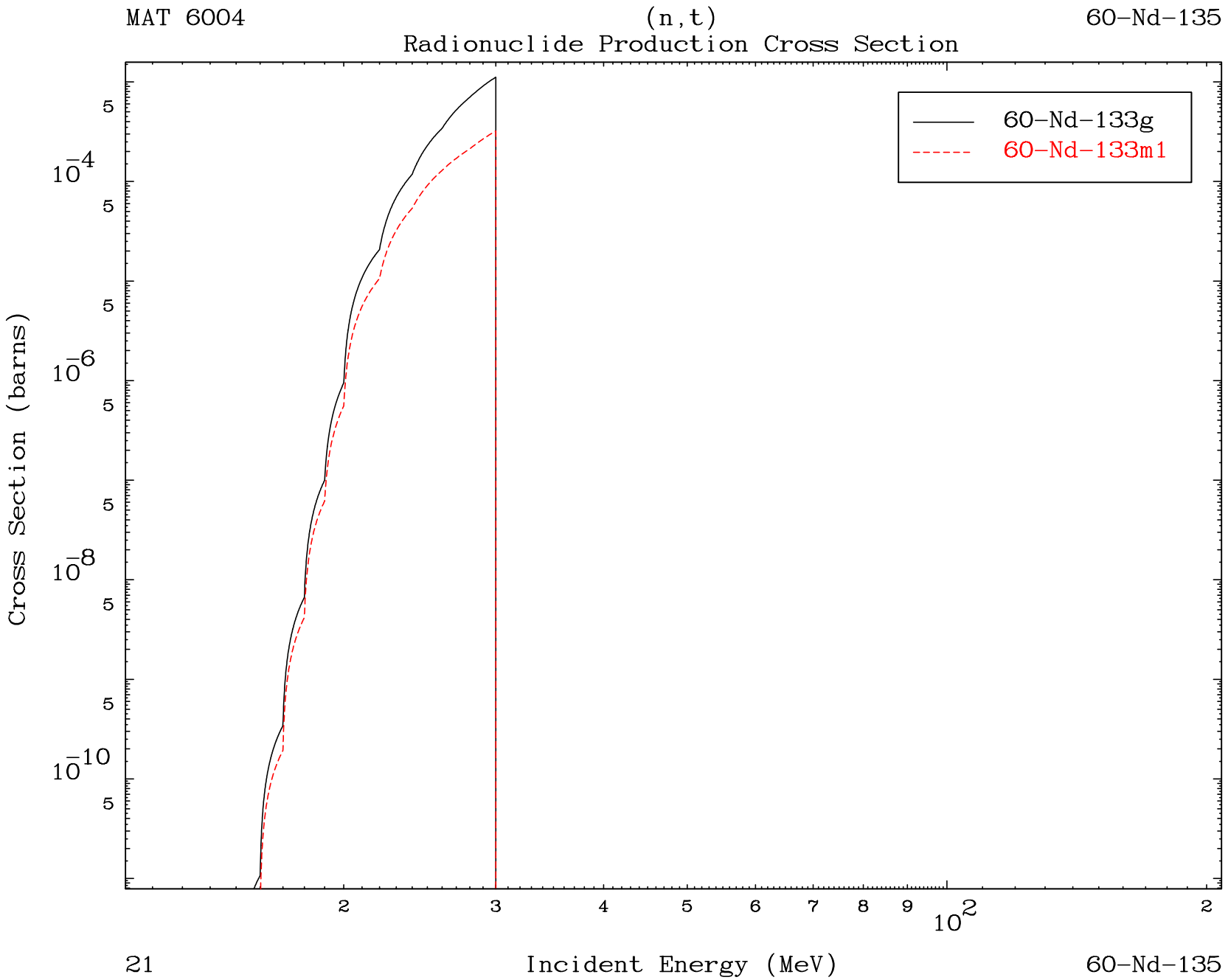

MAT 6004
(n,n') 2α
60-Nd-135
Radionuclide Production Cross Section
57-La-127g
57-La-127m1
Cross Section (barns)
10-6
10-8
10-10
10-12
Incident Energy (MeV)
16
60-Nd-135

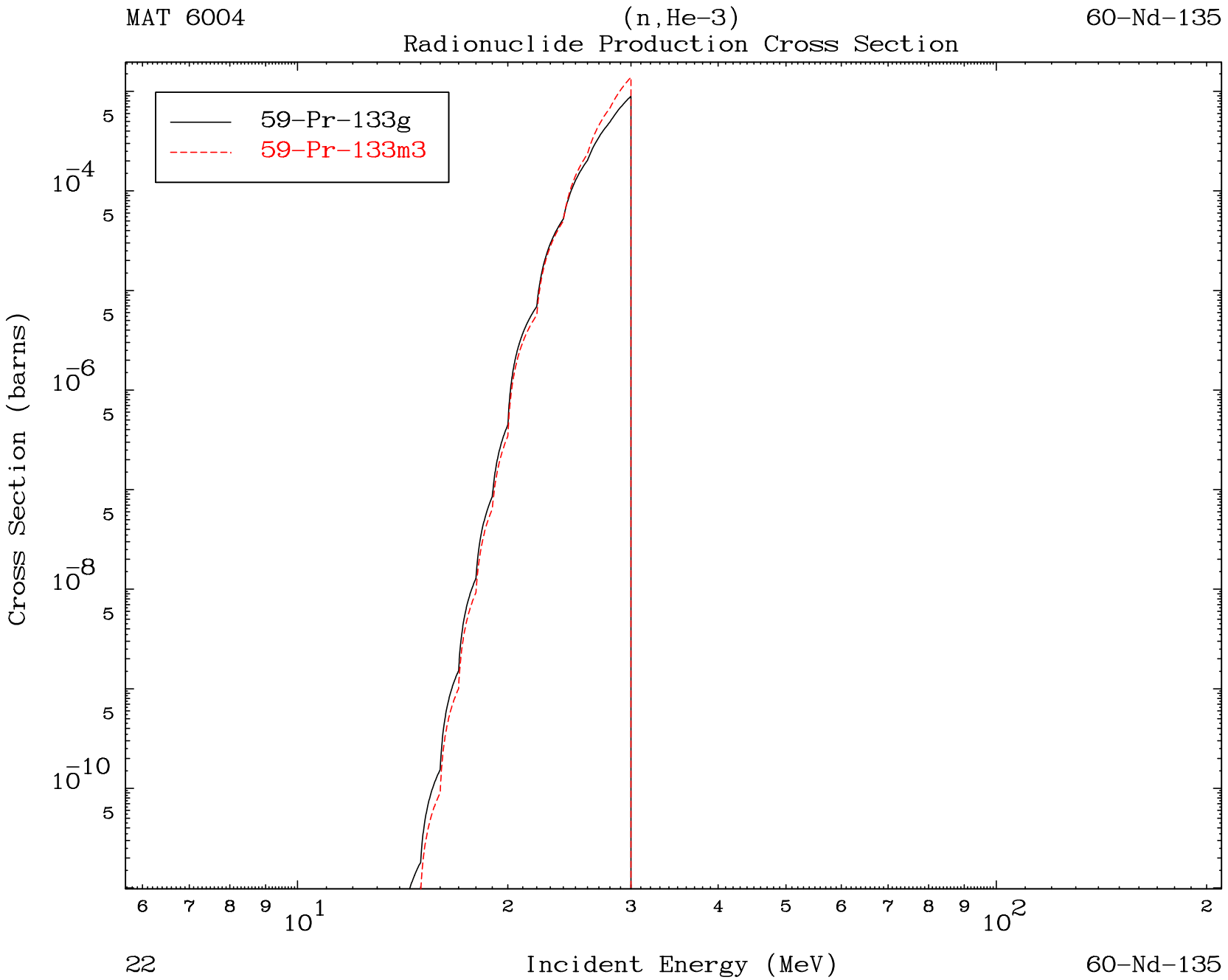

MAT 6004
(n,n') d
60-Nd-135
Radionuclide Production Cross Section
60-Nd-133g
60-Nd-133m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
60-Nd-135

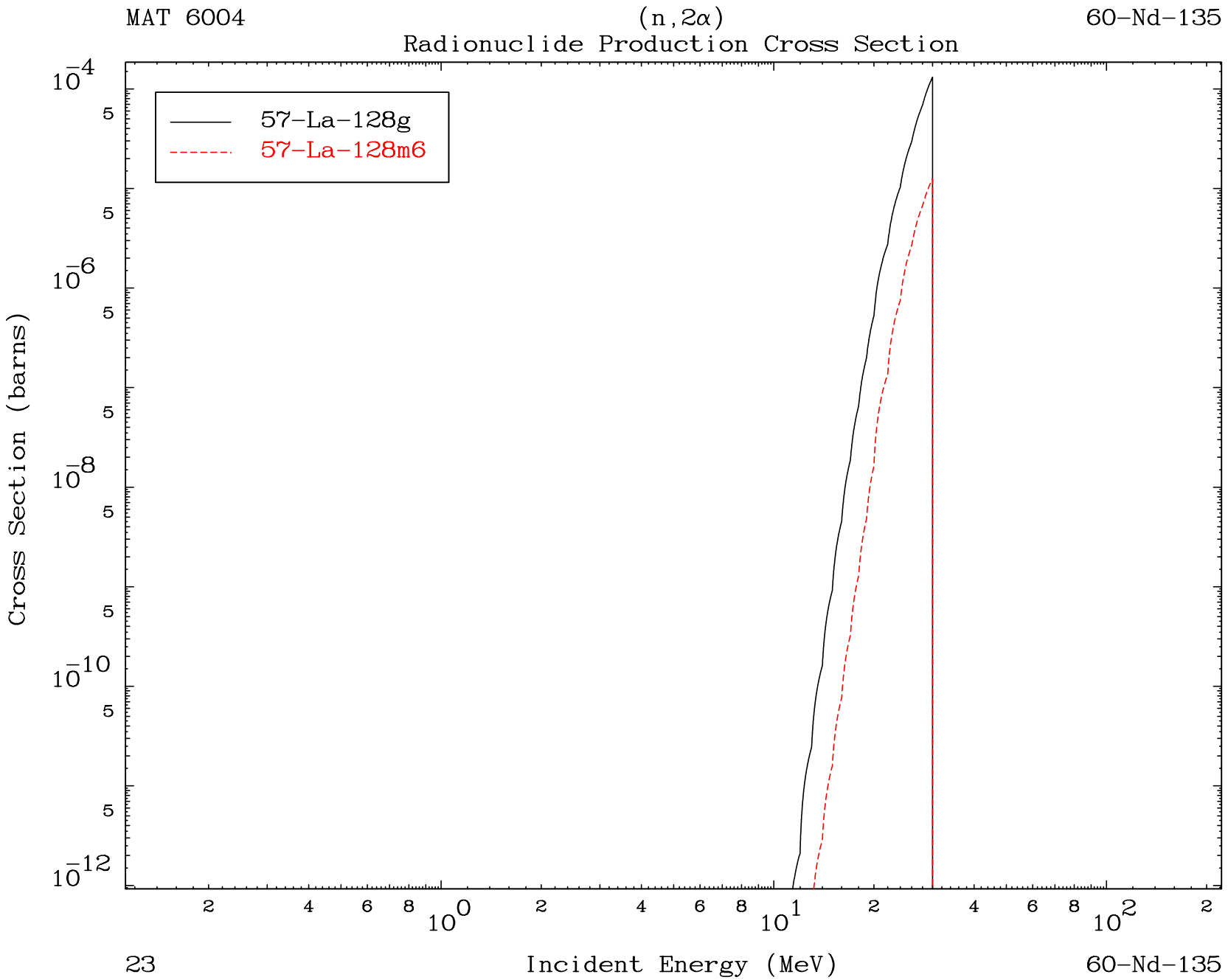

MAT 6004
(n,2n) p
60-Nd-135
Radionuclide Production Cross Section
60-Nd-133g
60-Nd-133m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
60-Nd-135

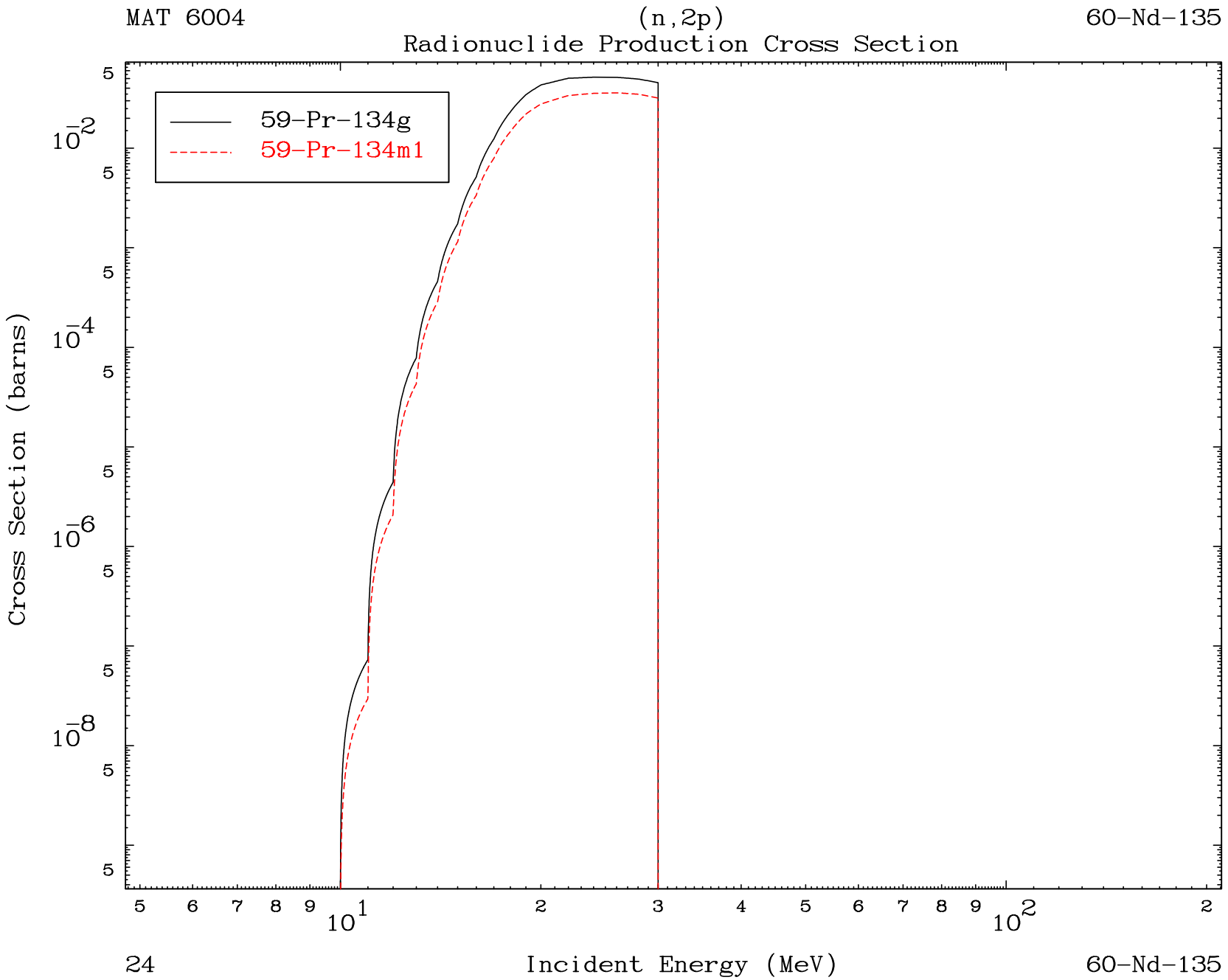

MAT 6004
(n,2n) p
60-Nd-135
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
Incident Energy (MeV)
19
60-Nd-135

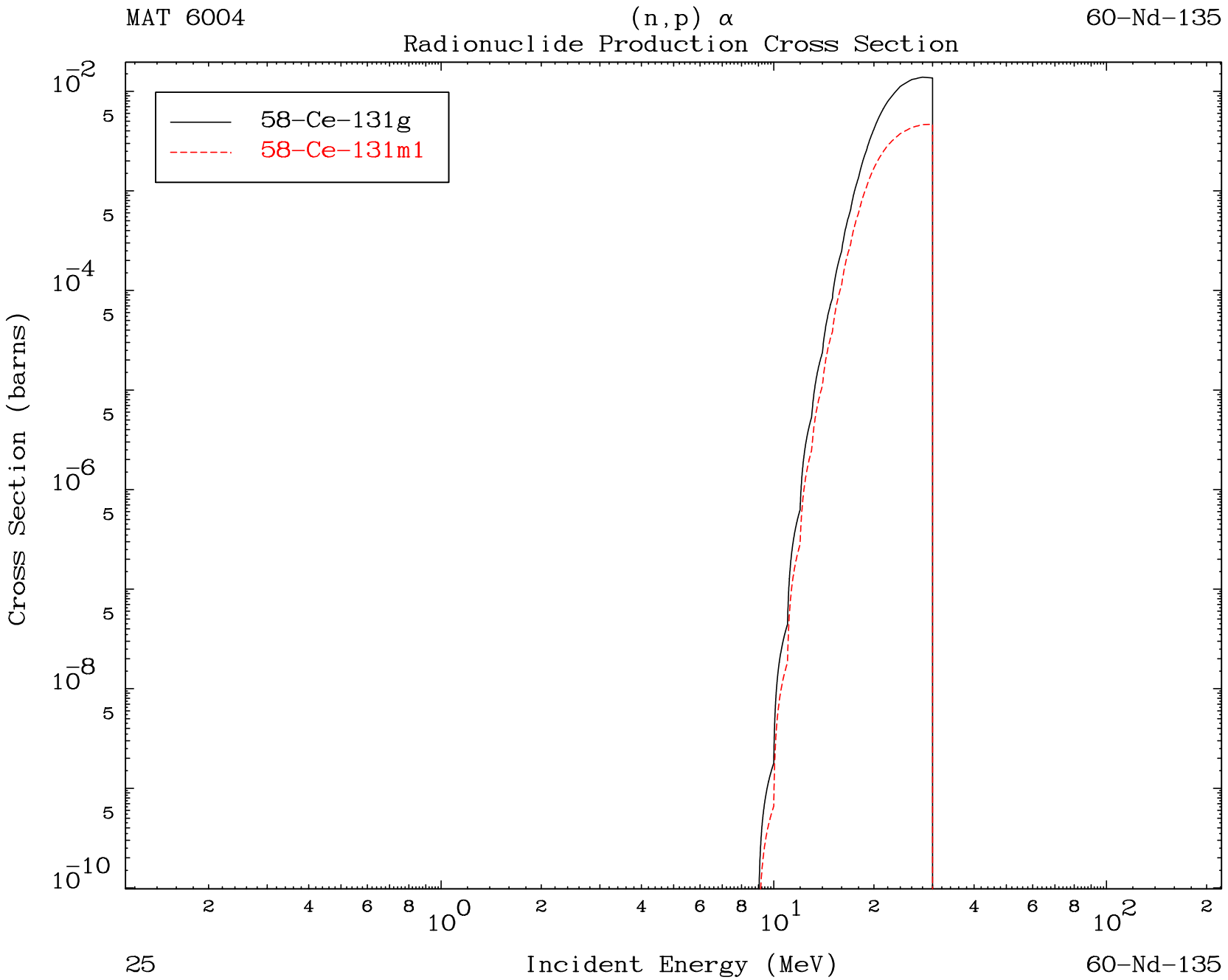

MAT 6004
(n,γ)
60-Nd-135
Radionuclide Production Cross Section
61-Pm-136g
61-Pm-136m1
Cross Section (barns)
Incident Energy (MeV)
20
60-Nd-135

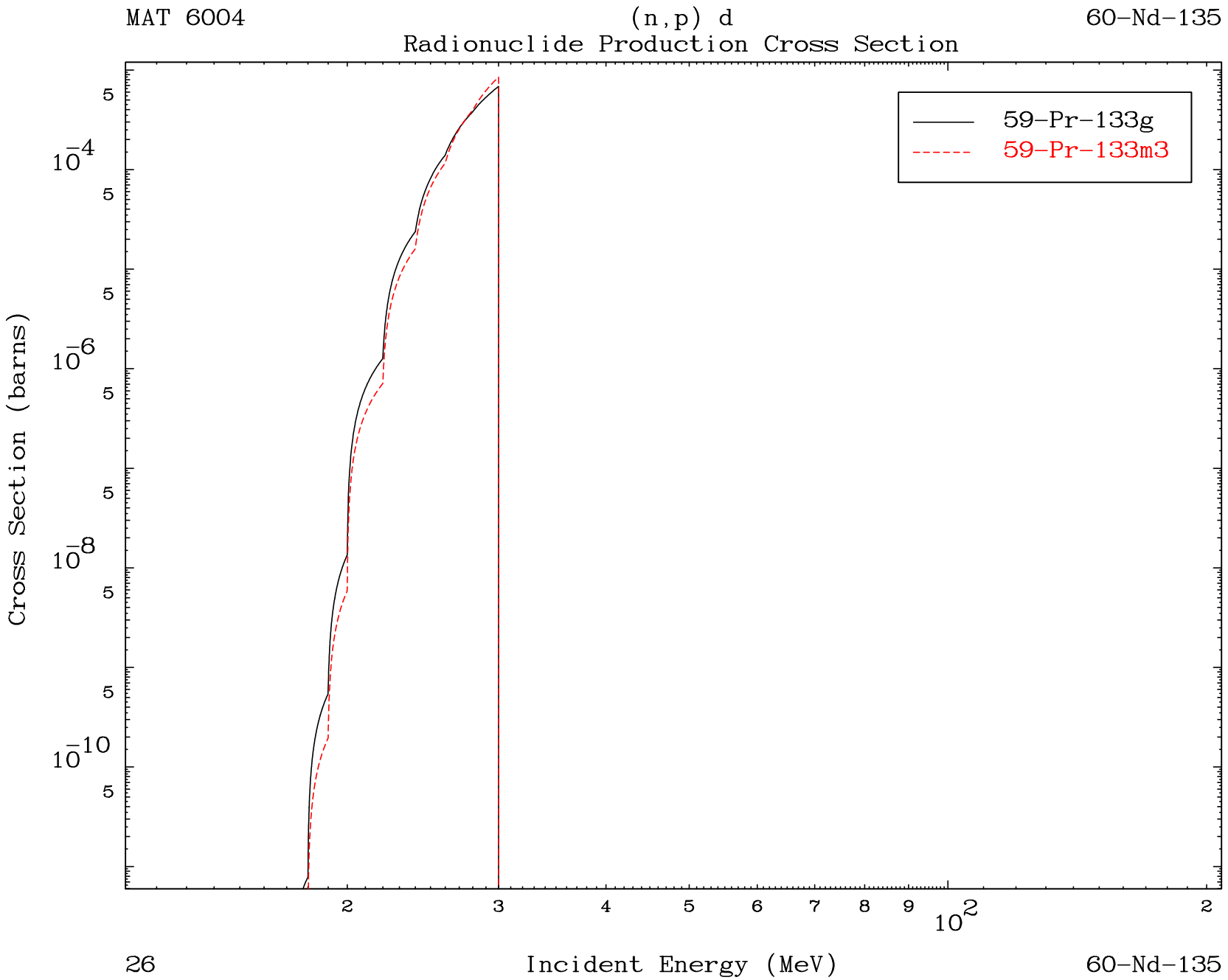

MAT 6004
(n,t)
60-Nd-135
Radionuclide Production Cross Section
60-Nd-133g
60-Nd-133m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
21
Incident Energy (MeV)
60-Nd-135


MAT 6004
(n,He-3)
60-Nd-135
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
Incident Energy (MeV)
22
60-Nd-135


MAT 6004
(n,2α)
60-Nd-135
Radionuclide Production Cross Section
57-La-128g
57-La-128m6
Cross Section (barns)
Incident Energy (MeV)
23
60-Nd-135


MAT 6004
(n,2p)
60-Nd-135
Radionuclide Production Cross Section
59-Pr-134g
59-Pr-134m1
Cross Section (barns)
Incident Energy (MeV)
24
60-Nd-135


MAT 6004
(n,p) α
60-Nd-135
Radionuclide Production Cross Section
58-Ce-131g
58-Ce-131m1
Cross Section (barns)
Incident Energy (MeV)
25
60-Nd-135


MAT 6004
(n,p) d
60-Nd-135
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
26
Incident Energy (MeV)
60-Nd-135