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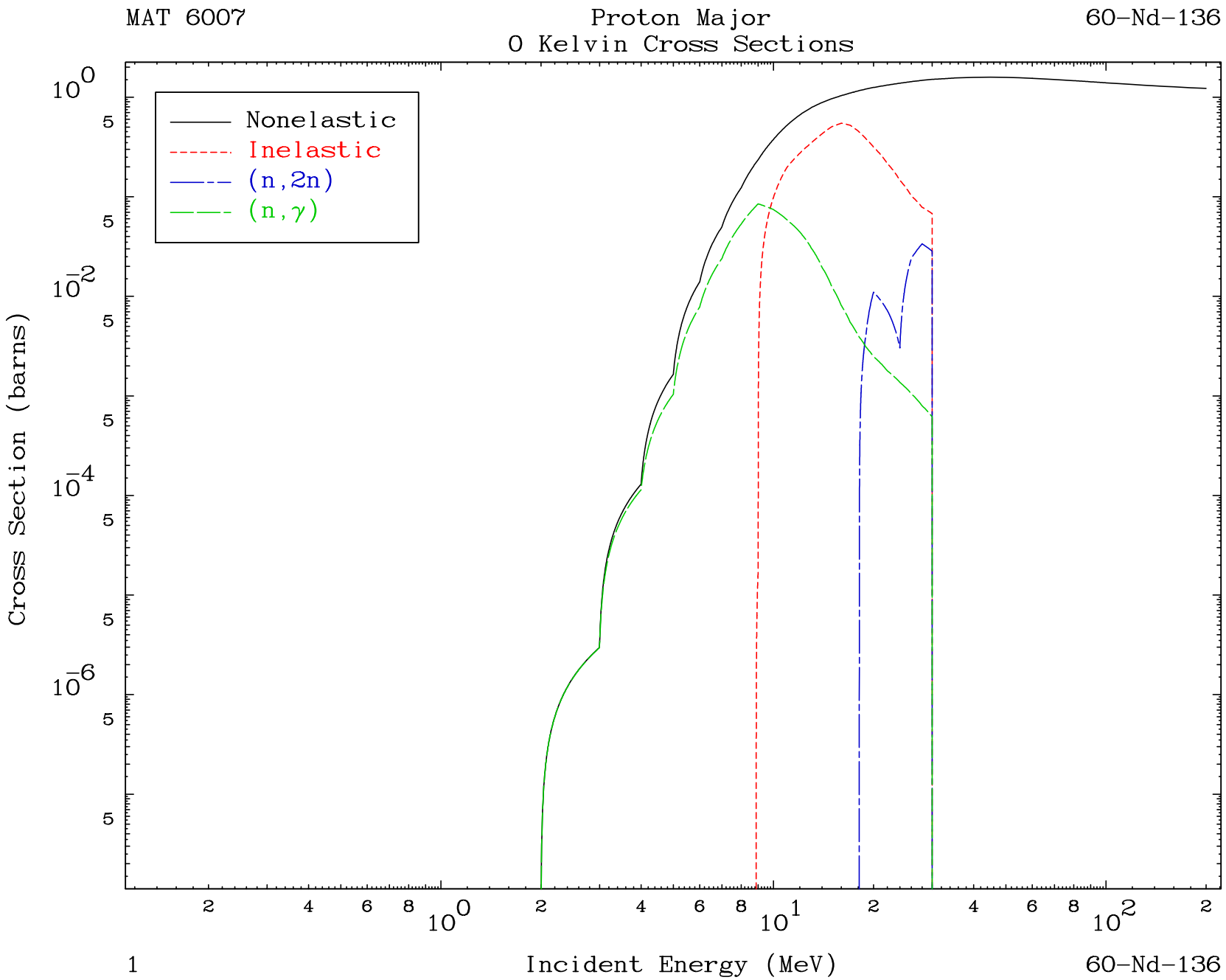
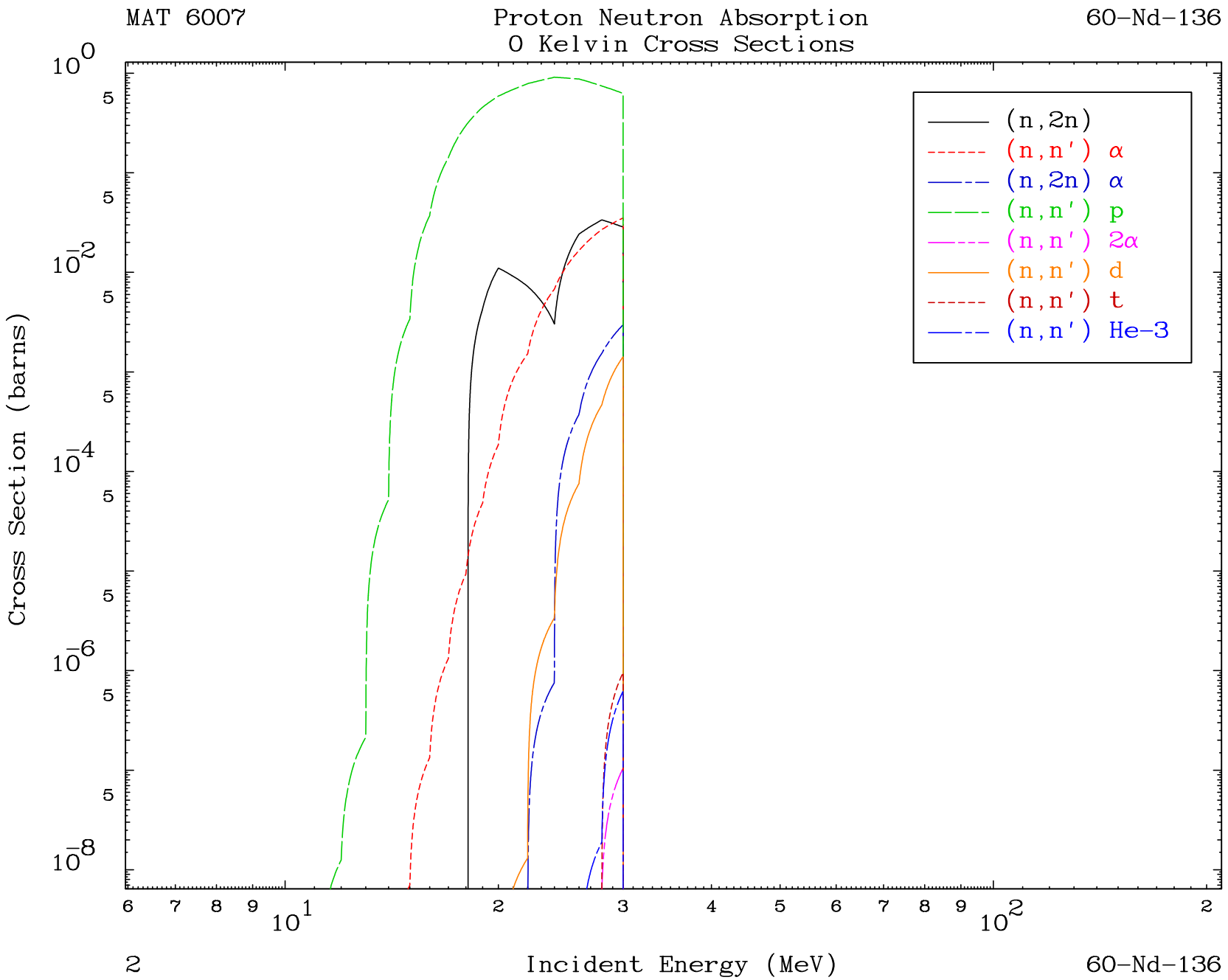
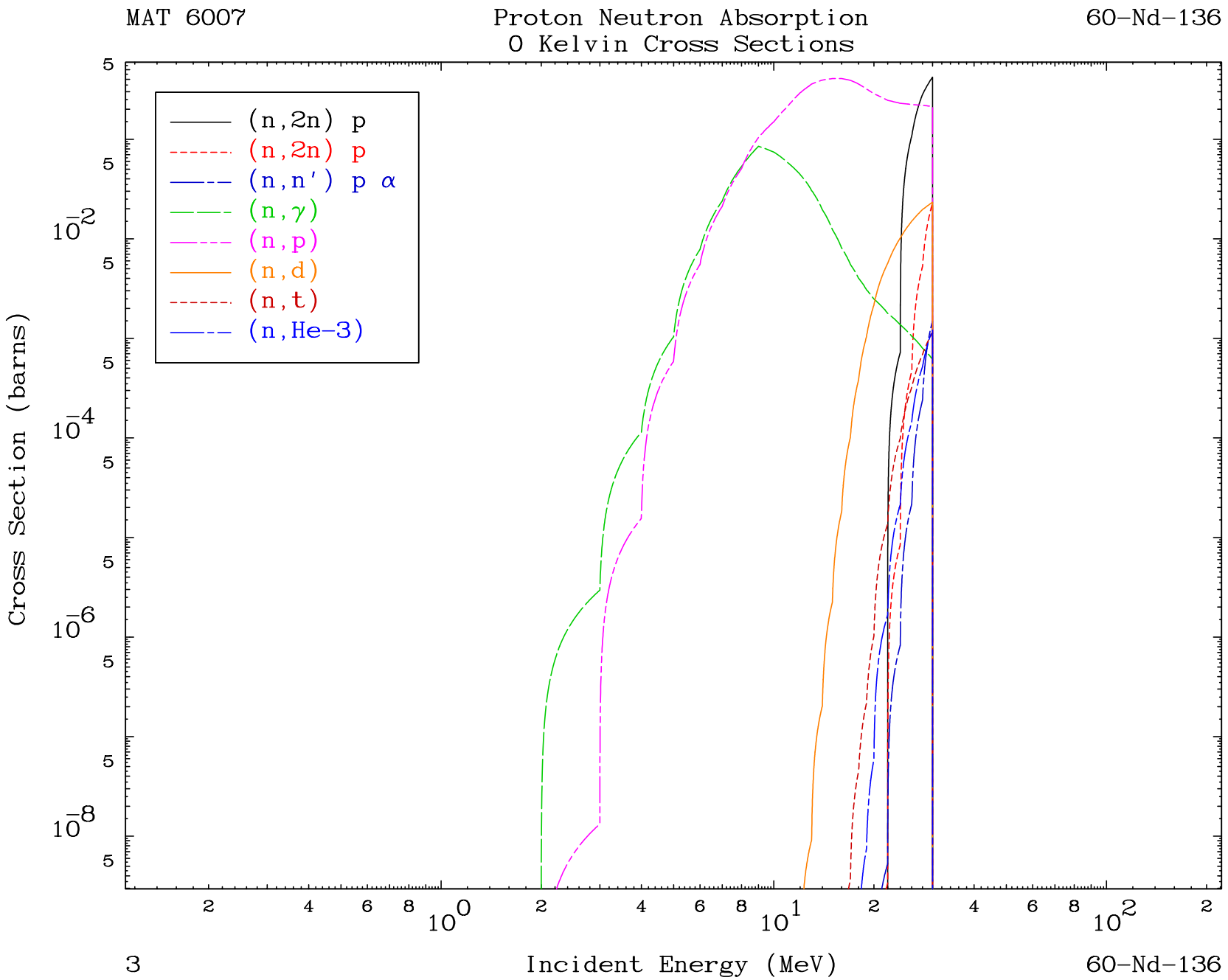
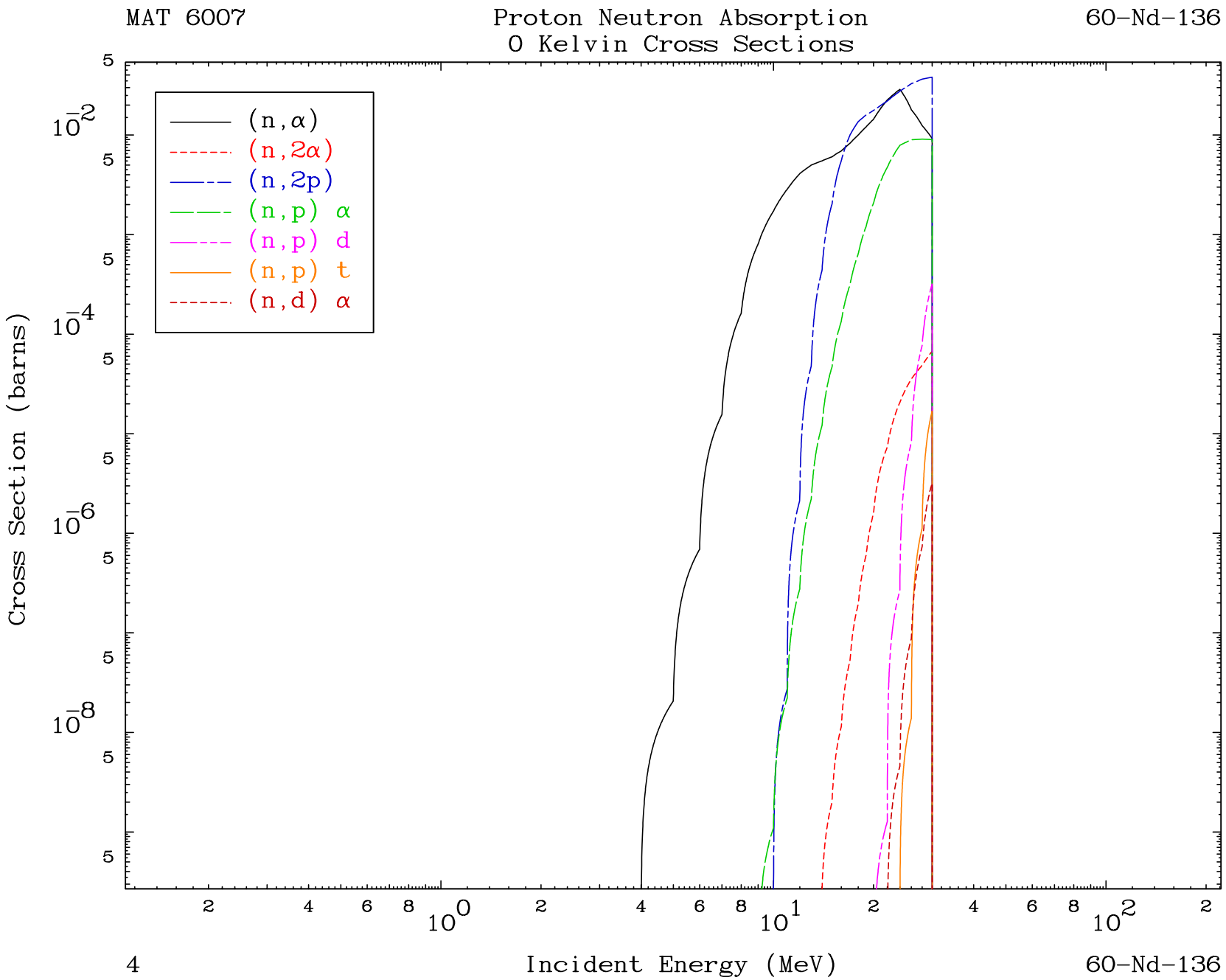
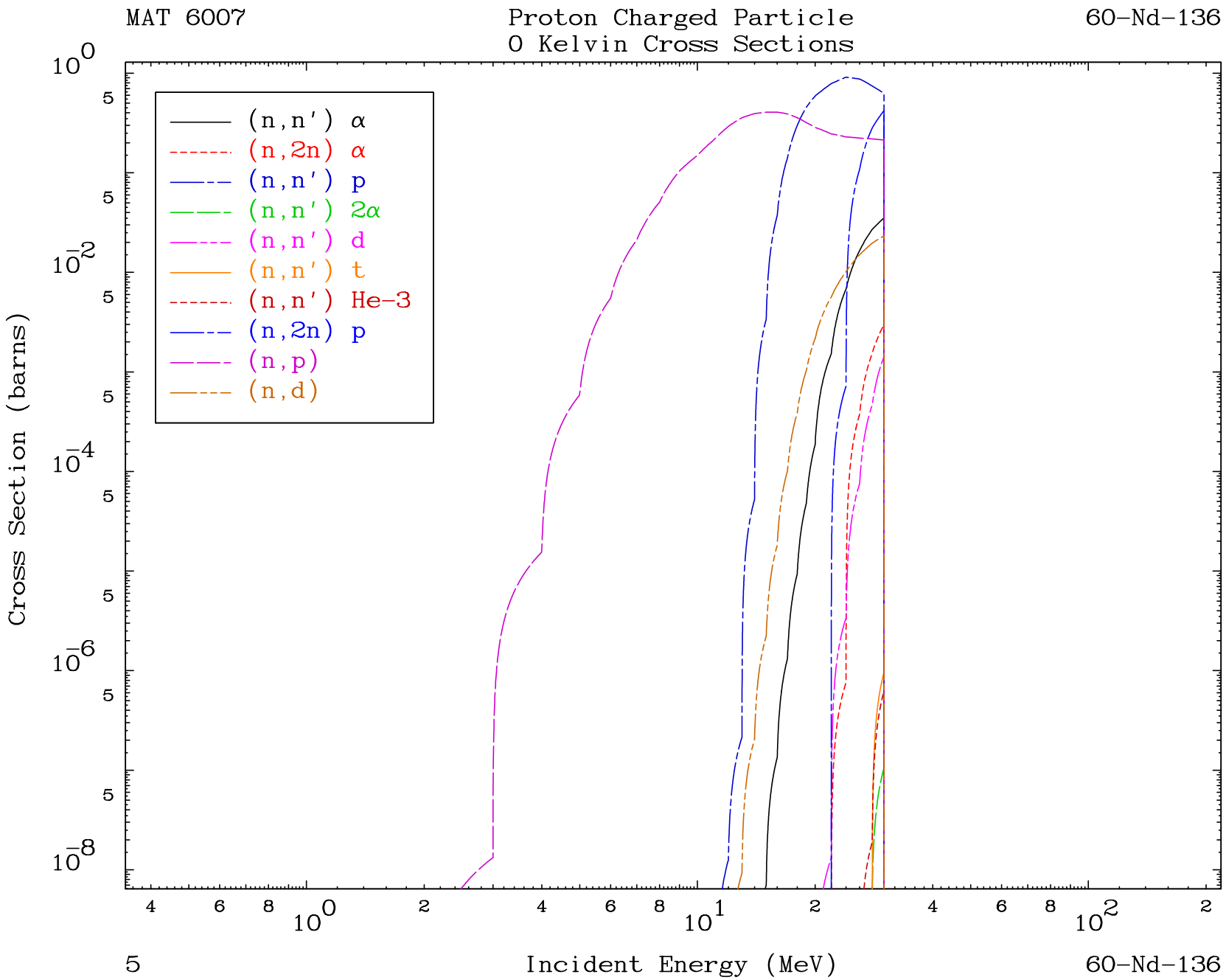
Press Mouse Button to Start

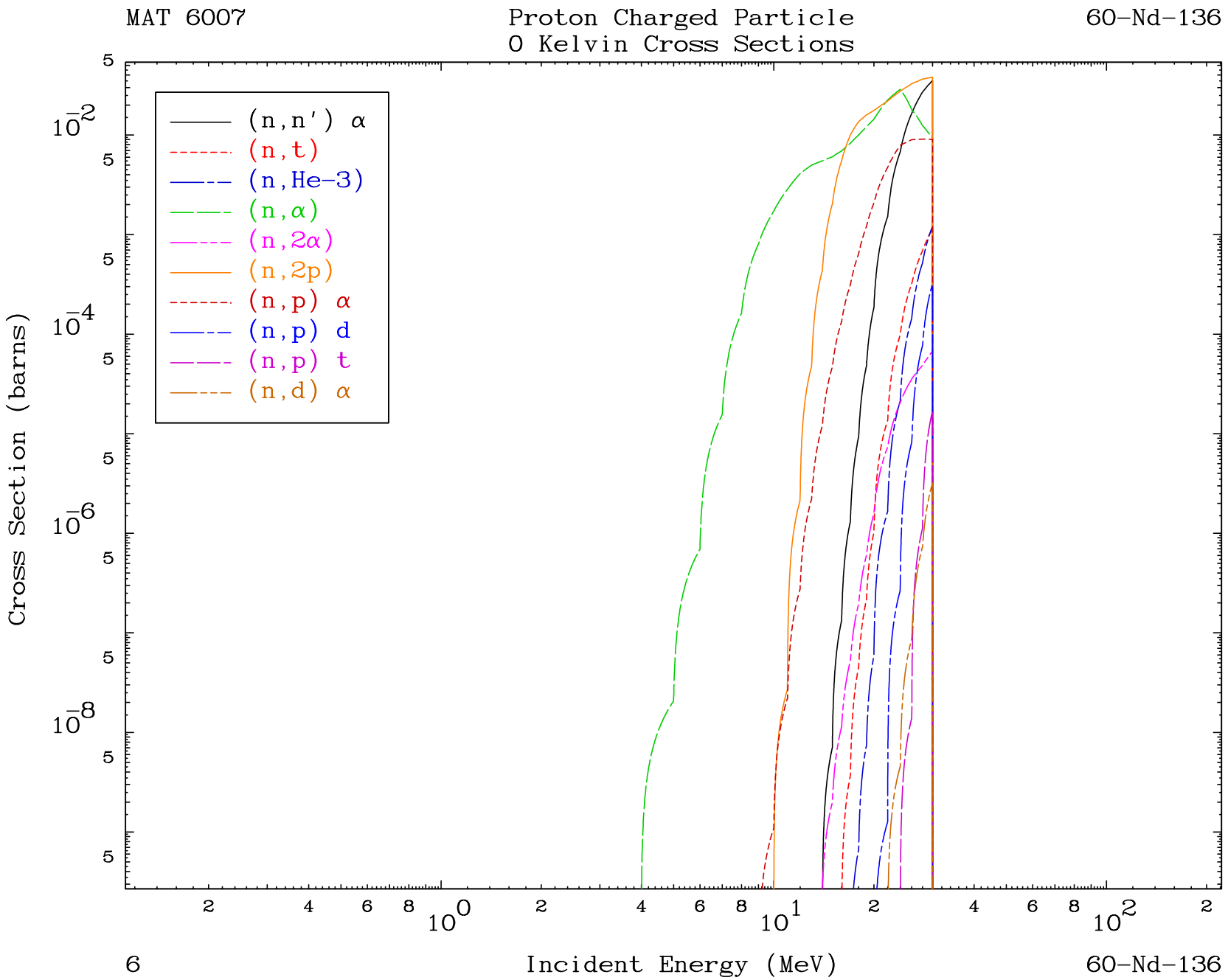

MAT 6007
Proton Major
60-Nd-136
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-136
1

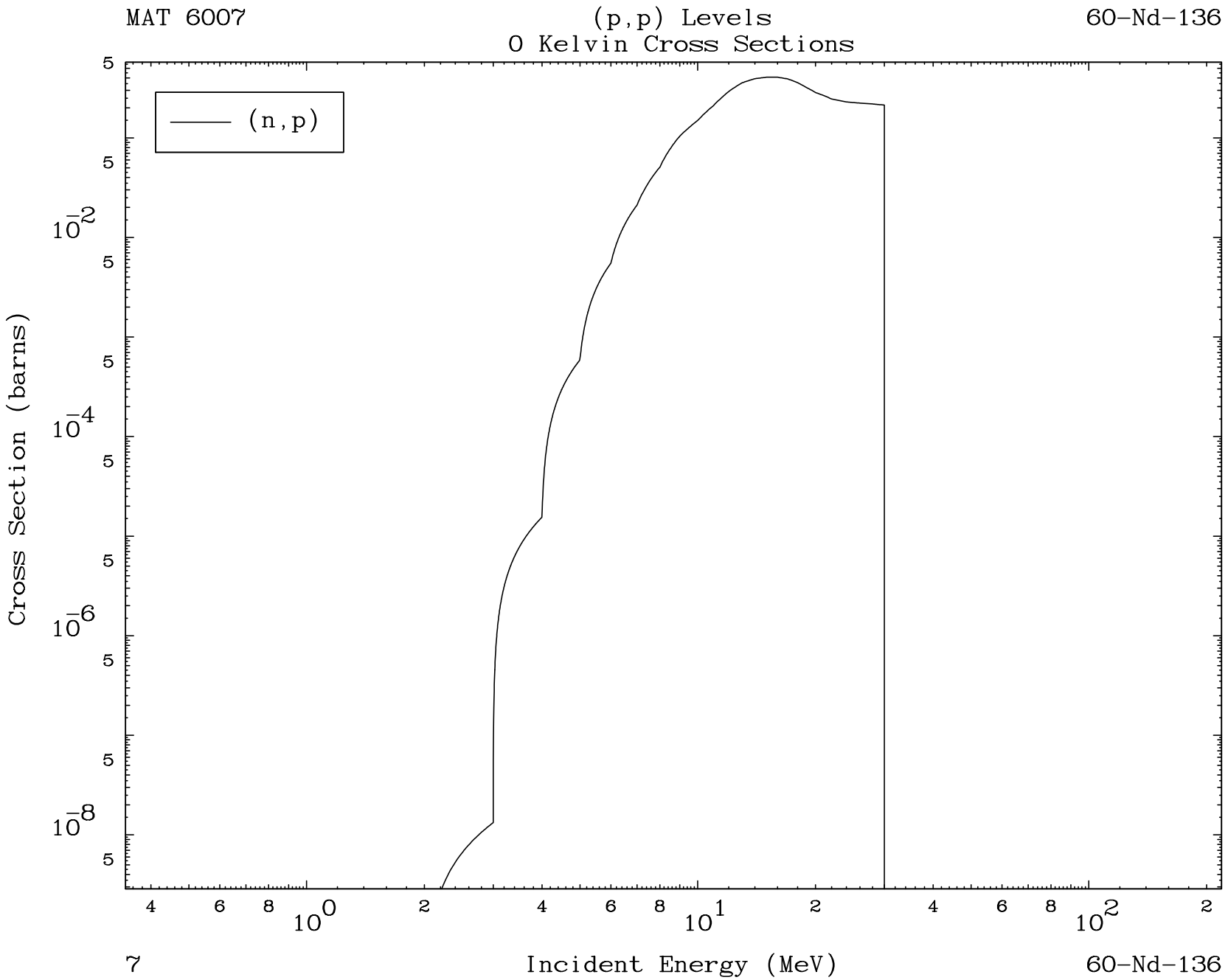

MAT 6007
Proton Neutron Absorption
0 Kelvin Cross Sections
60-Nd-136
Cross Section (barns)
Incident Energy (MeV)
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
60-Nd-136
2

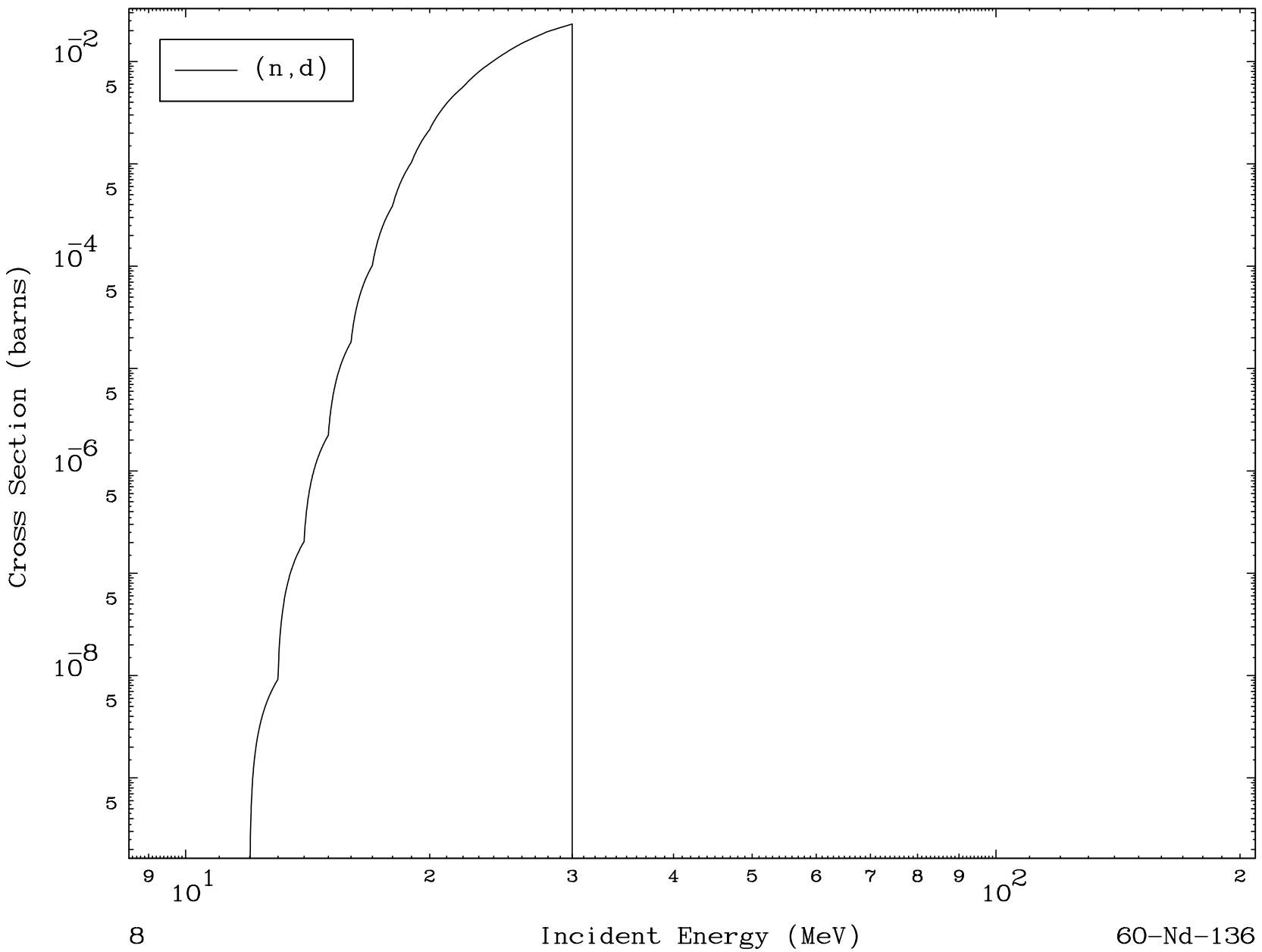

MAT 6007
Proton Neutron Absorption
0 Kelvin Cross Sections
60-Nd-136
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
3
60-Nd-136

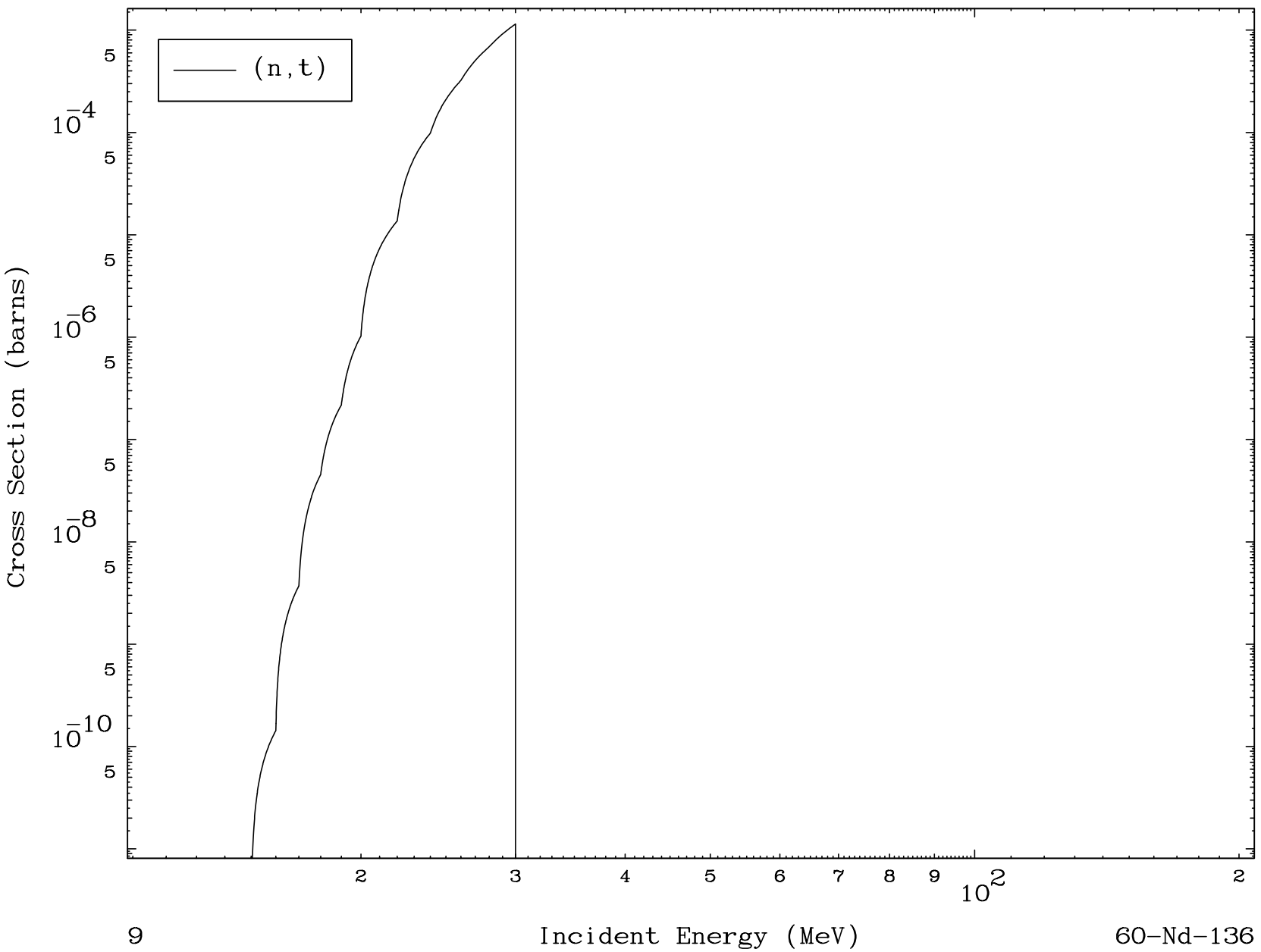

MAT 6007
Proton Neutron Absorption
0 Kelvin Cross Sections
60-Nd-136
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
60-Nd-136

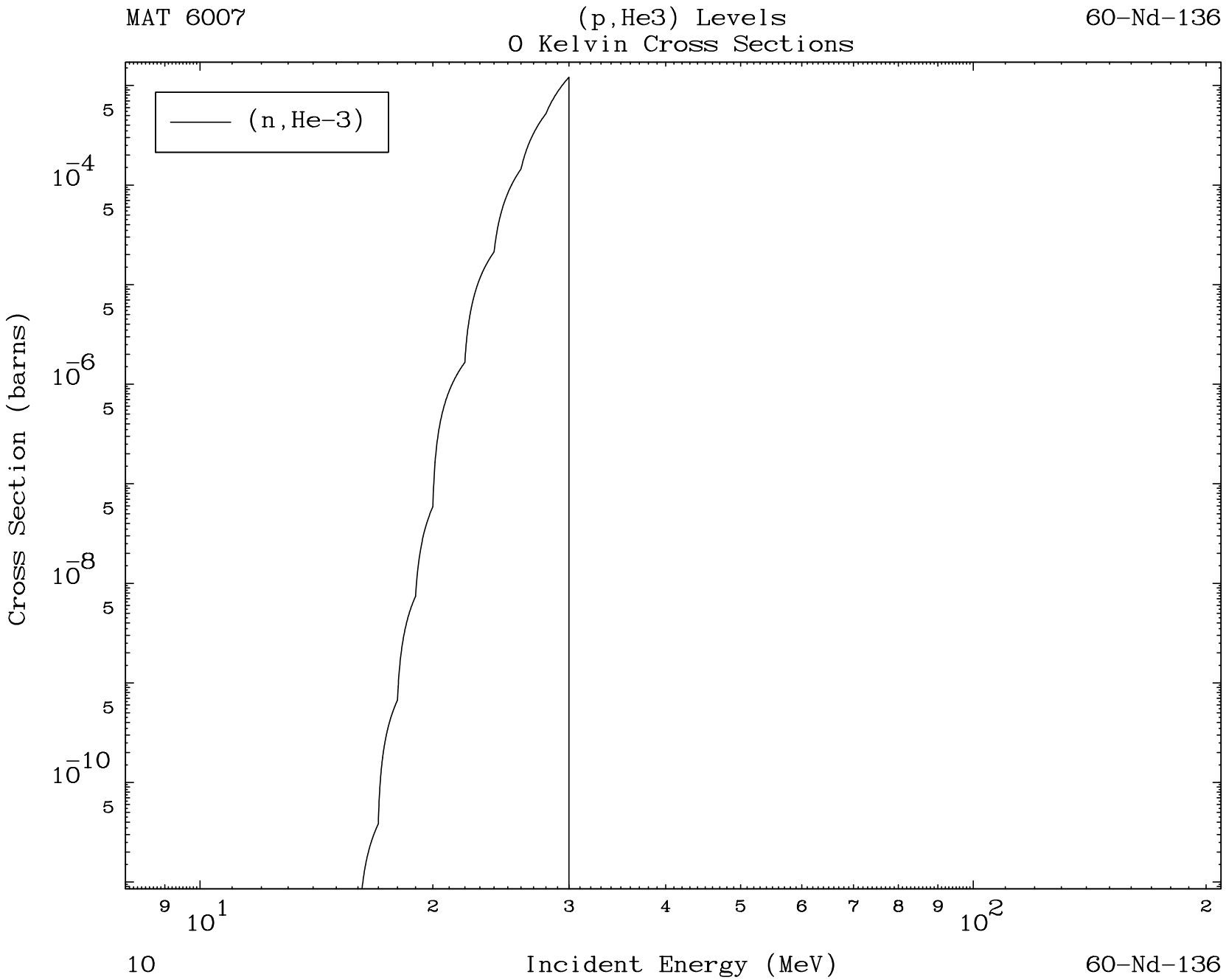

MAT 6007
Proton Charged Particle
0 Kelvin Cross Sections
60-Nd-136
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-136
5

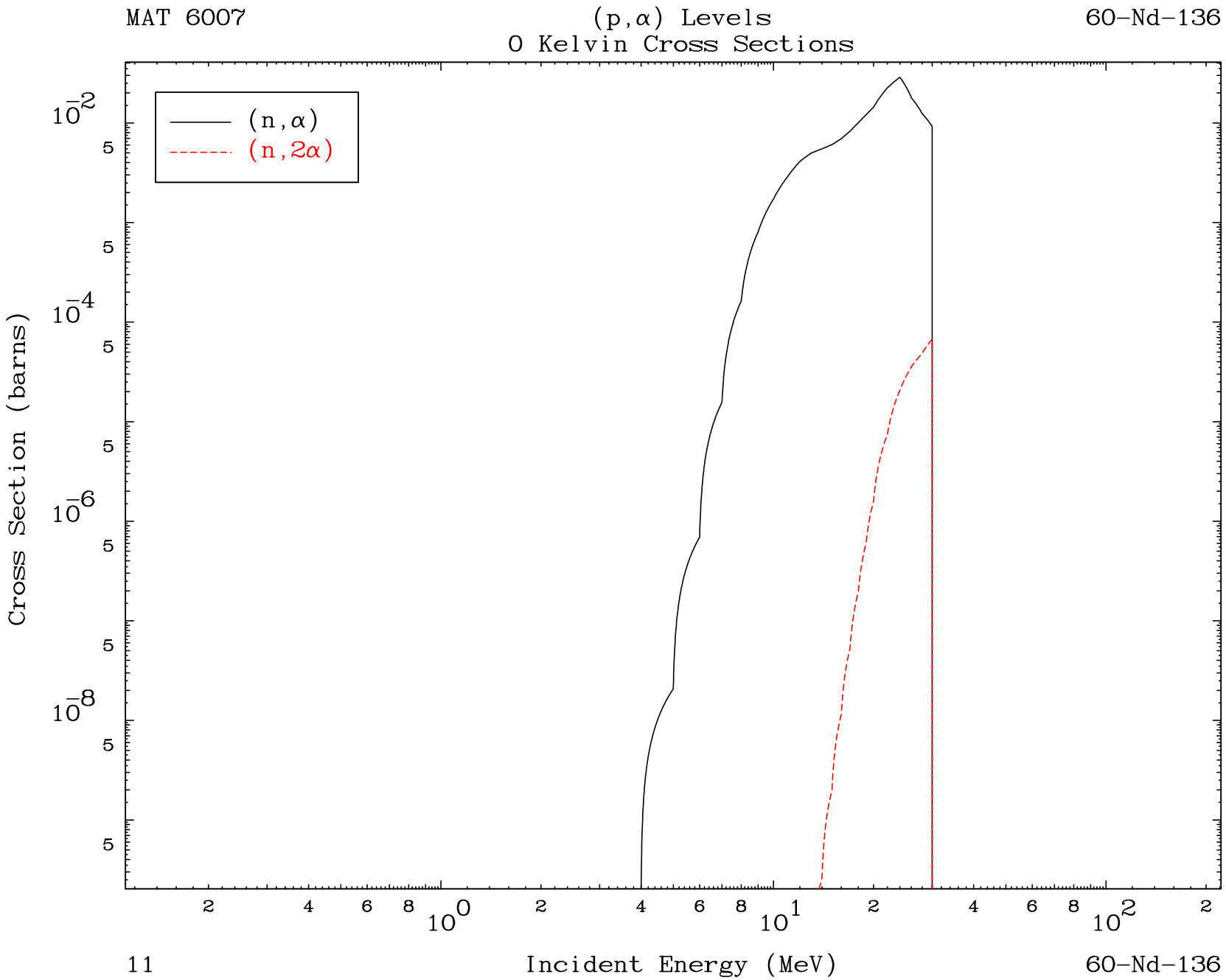

MAT 6007
Proton Charged Particle
0 Kelvin Cross Sections
60-Nd-136
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
60-Nd-136

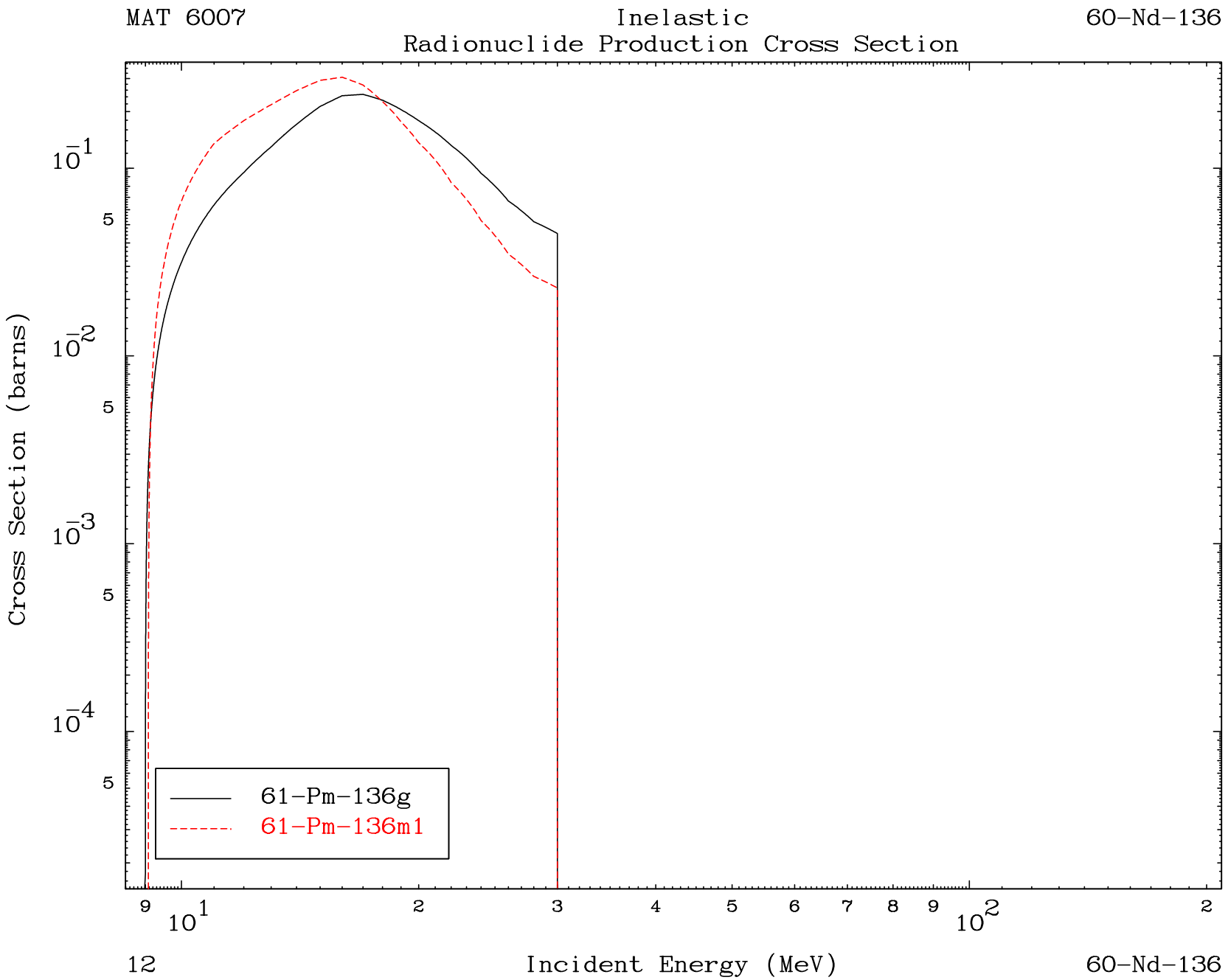

MAT 6007
(p,p) Levels
60-Nd-136
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
7
60-Nd-136

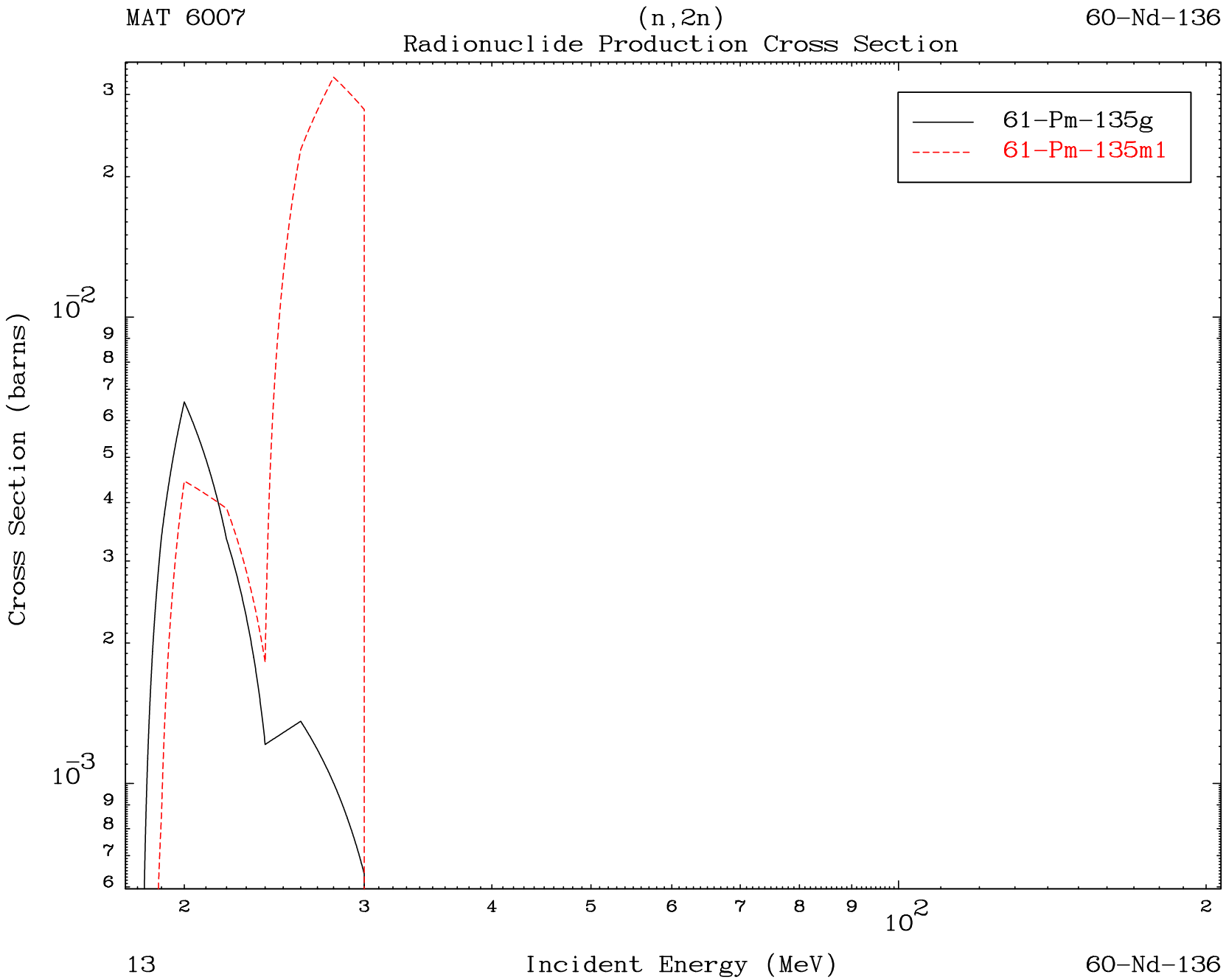

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

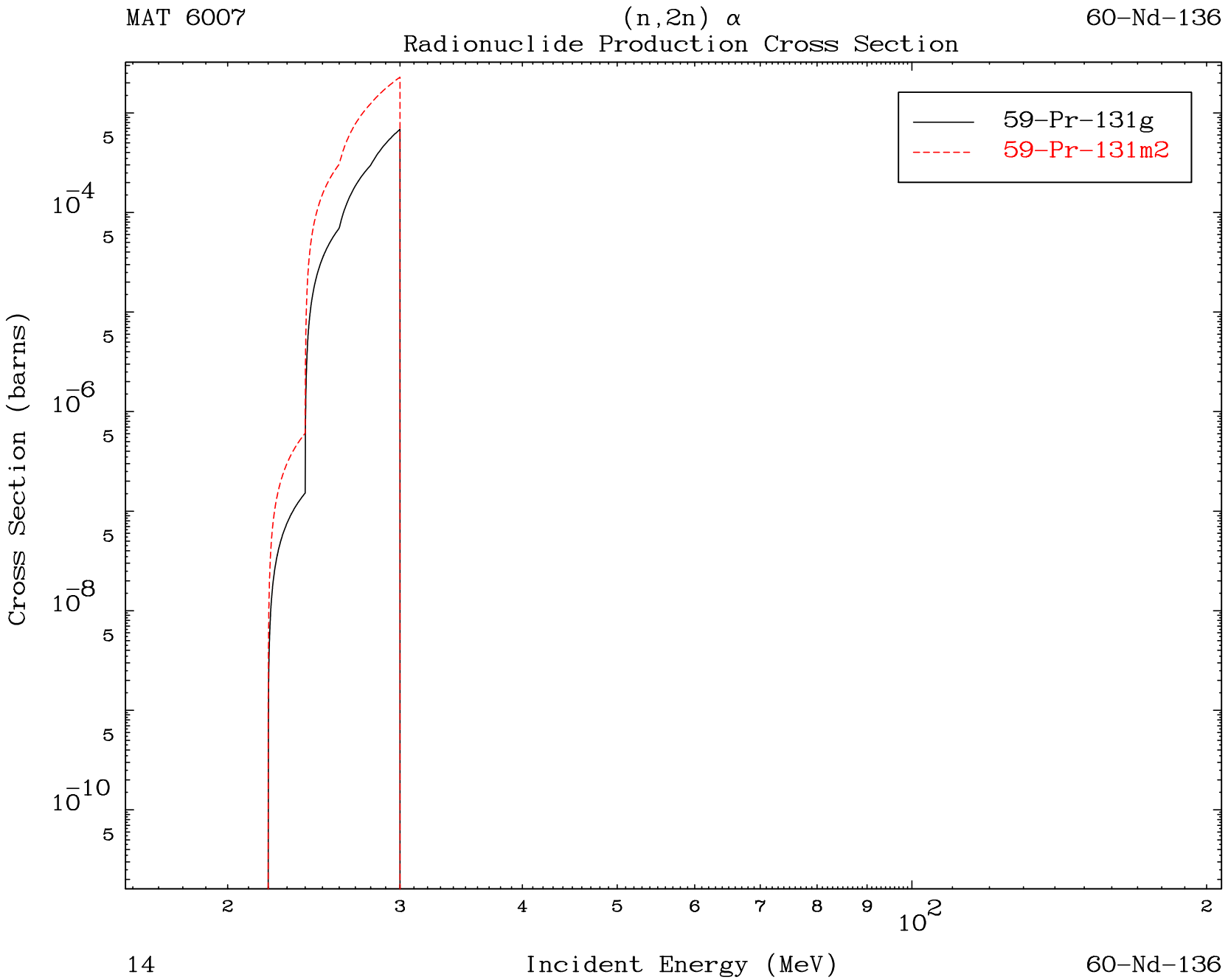

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

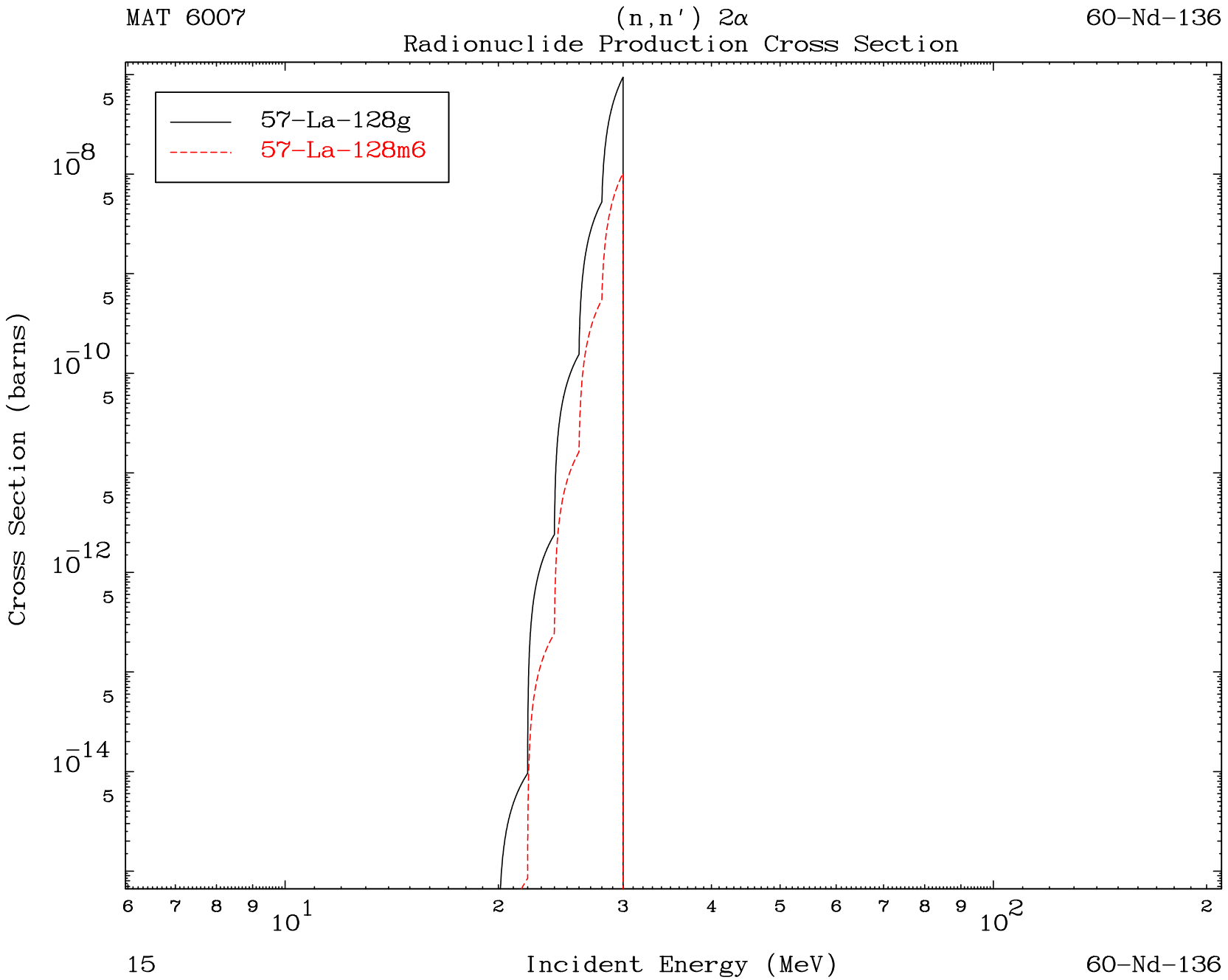

MAT 6007
(p,He3) Levels
60-Nd-136
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^1
10^2
60-Nd-136

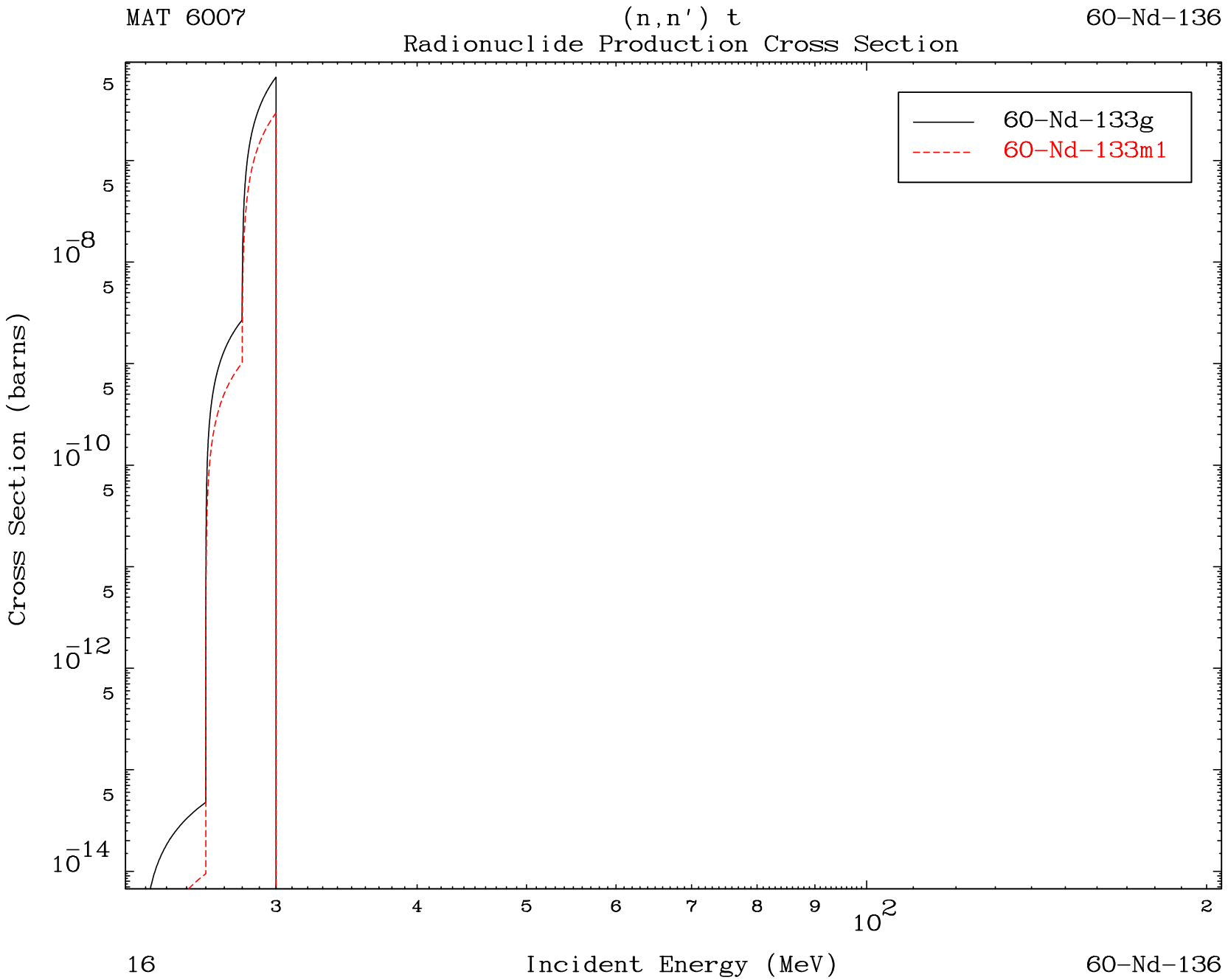

MAT 6007
(p,α) Levels
60-Nd-136
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
100
101
102
2
4
6
8
Incident Energy (MeV)
11
60-Nd-136

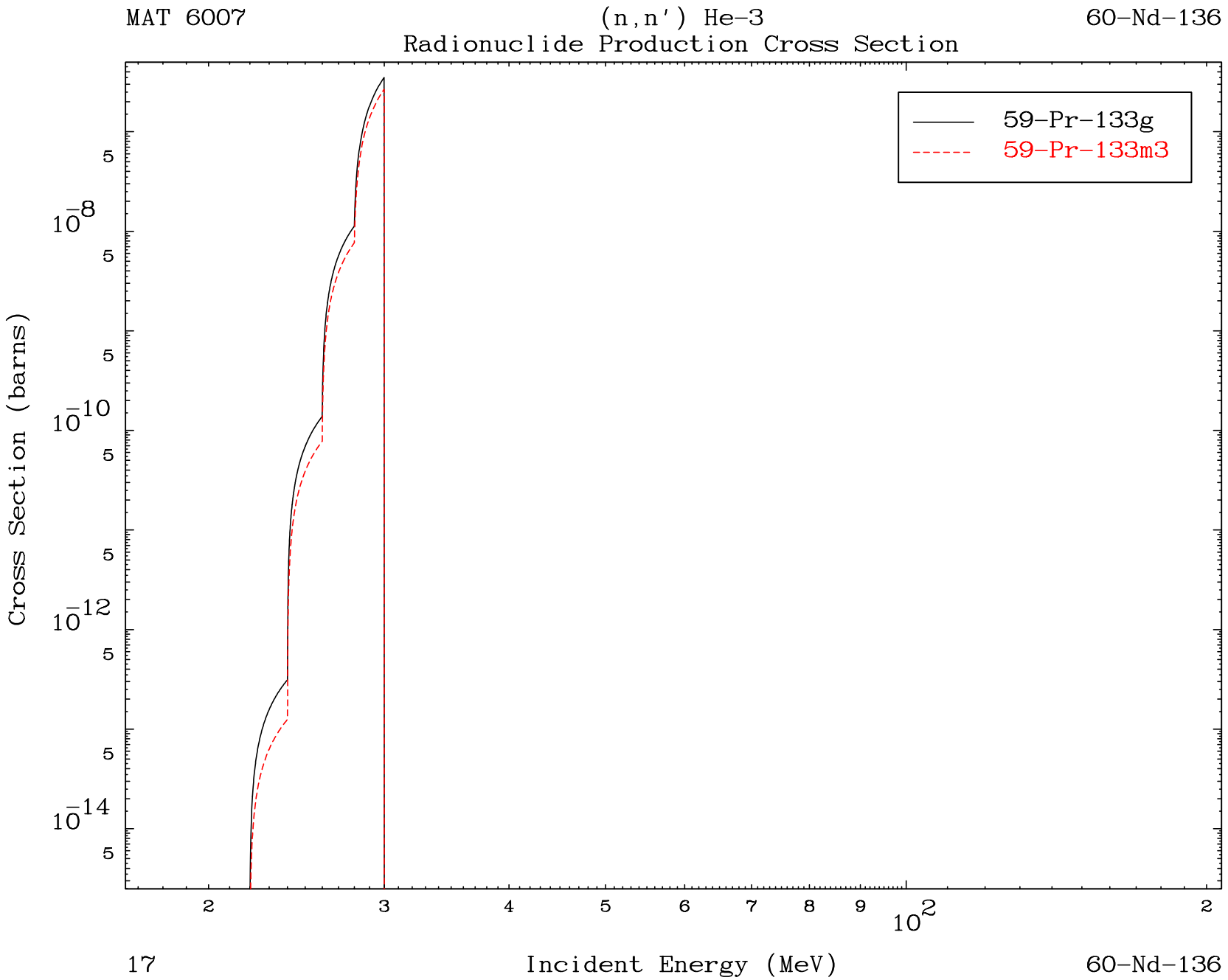

MAT 6007
Inelastic
60-Nd-136
Radionuclide Production Cross Section
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
61-Pm-136g
61-Pm-136m1
9
10 1
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
60-Nd-136

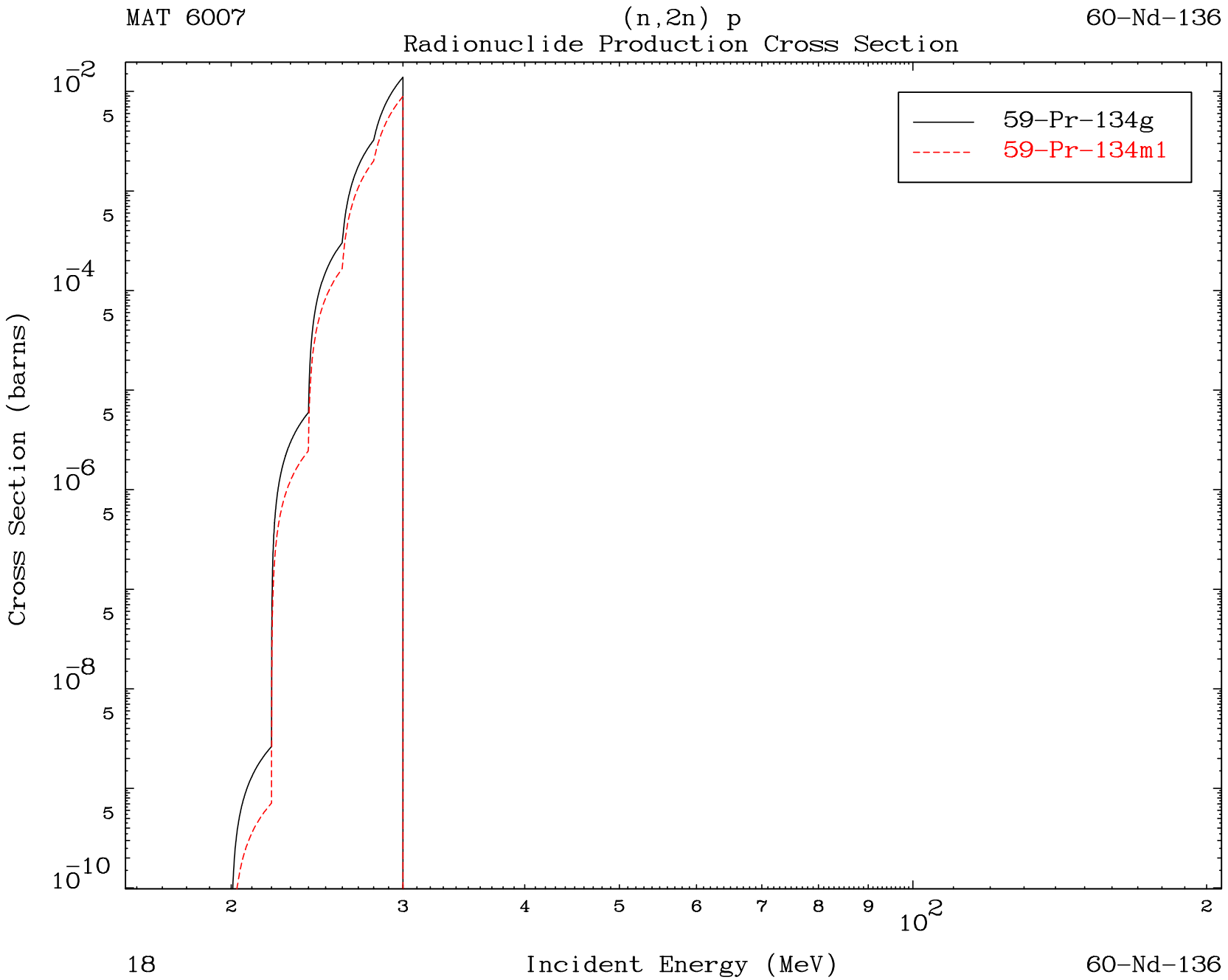

MAT 6007
(n,2n)
60-Nd-136
Radionuclide Production Cross Section
61-Pm-135g
61-Pm-135m1
Cross Section (barns)
Incident Energy (MeV)
13
60-Nd-136

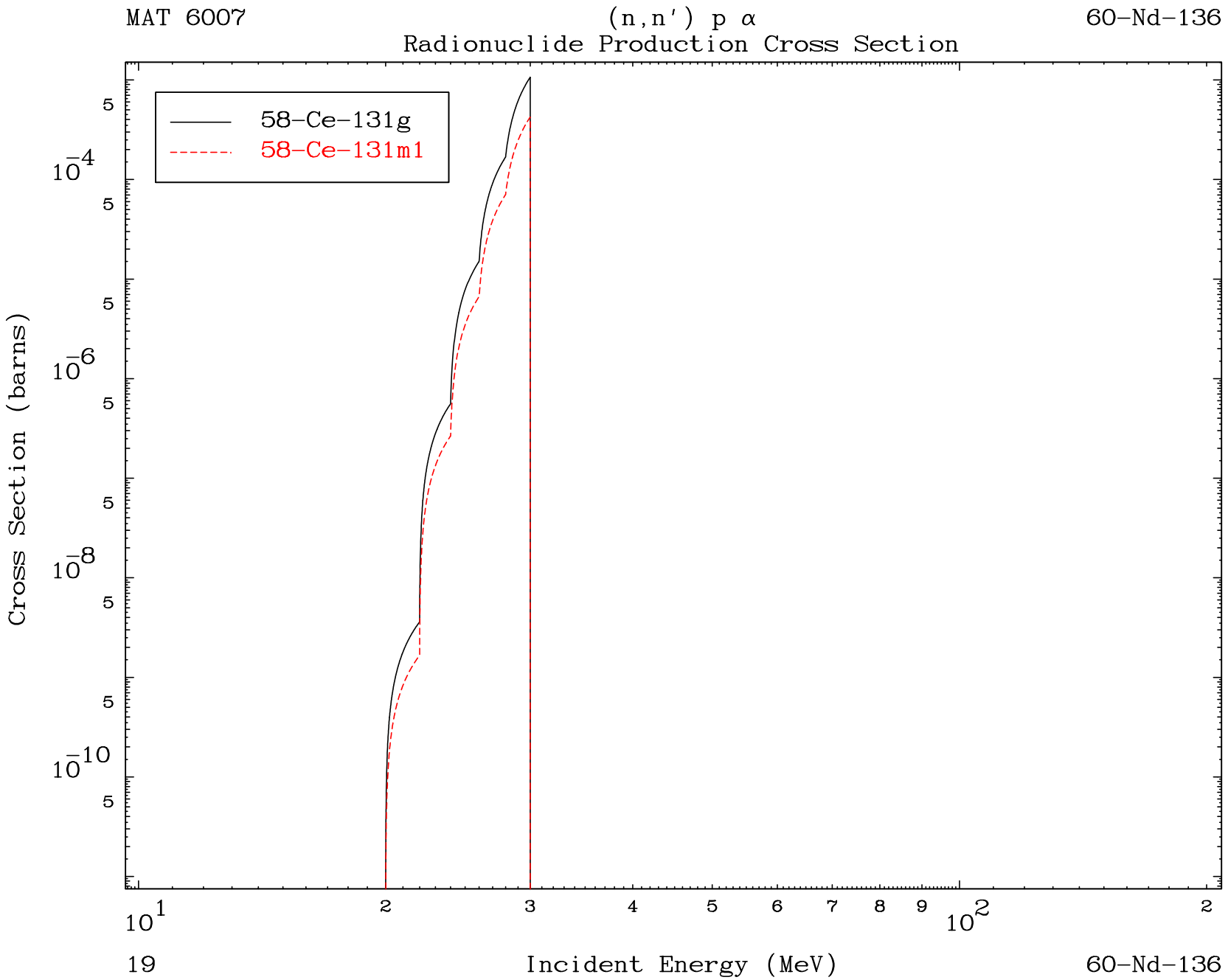

MAT 6007
(n,2n) α
60-Nd-136
Radionuclide Production Cross Section
59-Pr-131g
59-Pr-131m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
60-Nd-136

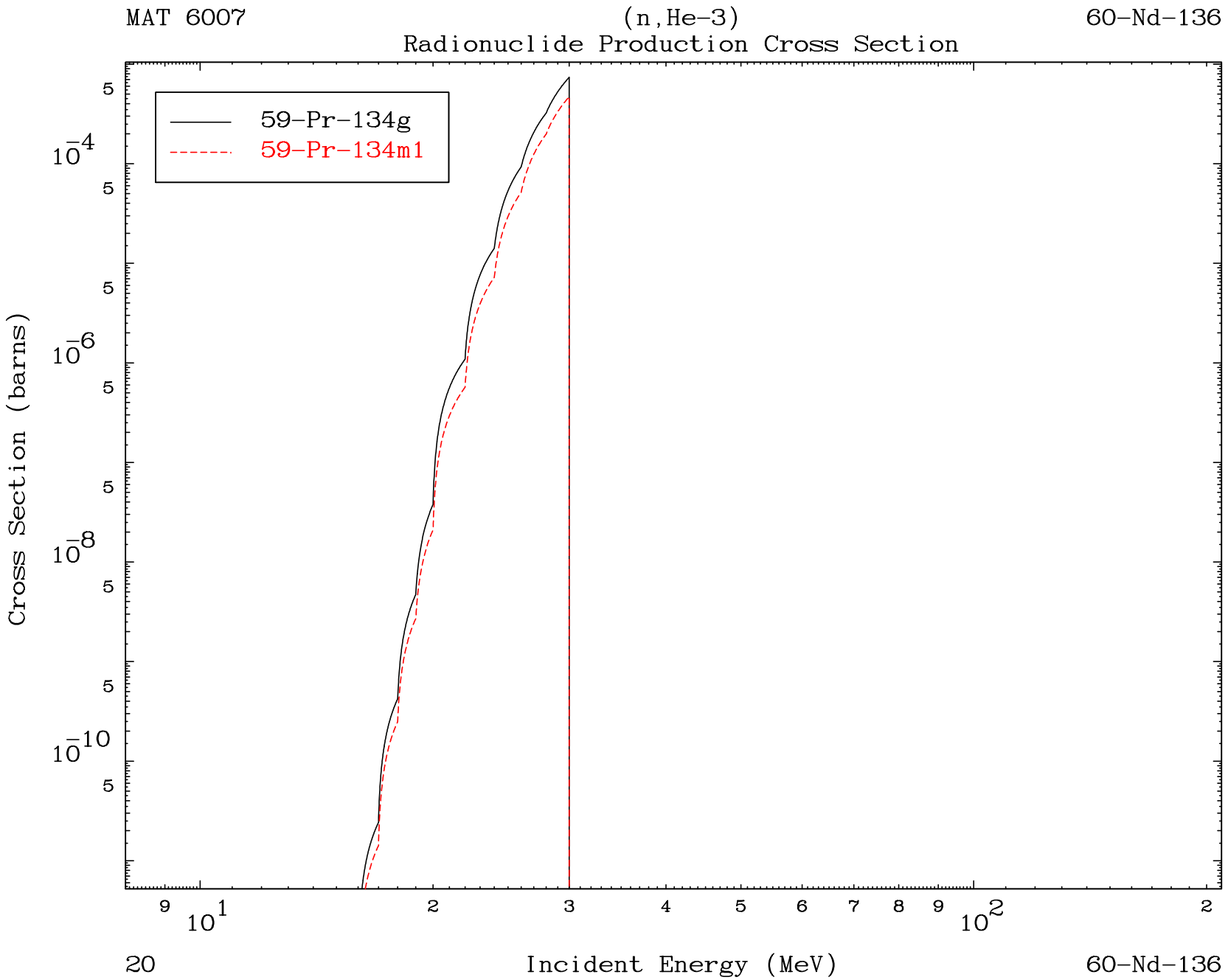

MAT 6007
(n,n') 2α
60-Nd-136
Radionuclide Production Cross Section
57-La-128g
57-La-128m6
Cross Section (barns)
10-8
10-10
10-12
10-14
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
15
Incident Energy (MeV)
60-Nd-136

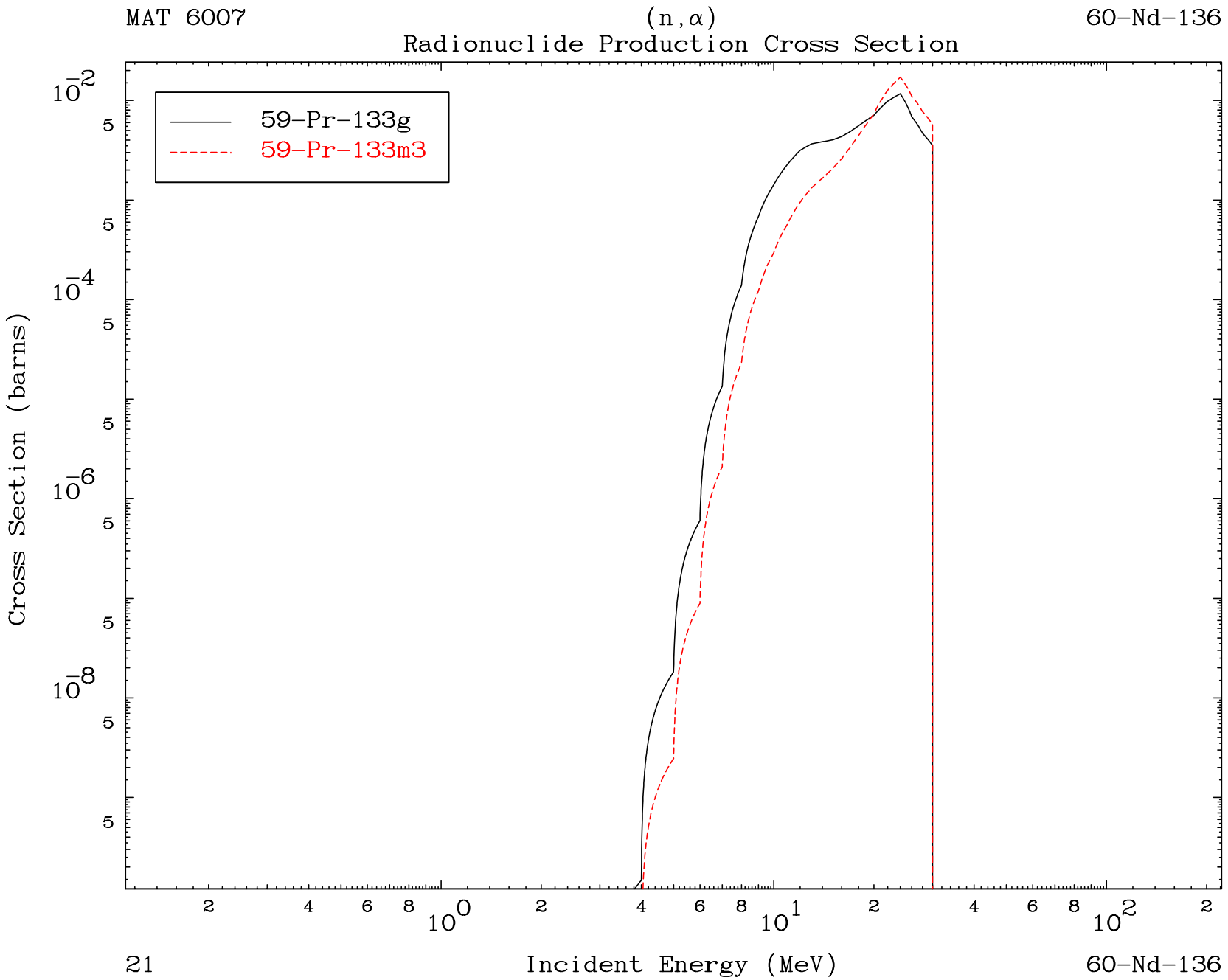

MAT 6007
(n,n') t
60-Nd-136
Radionuclide Production Cross Section
60-Nd-133g
60-Nd-133m1
Cross Section (barns)
Incident Energy (MeV)
16
60-Nd-136

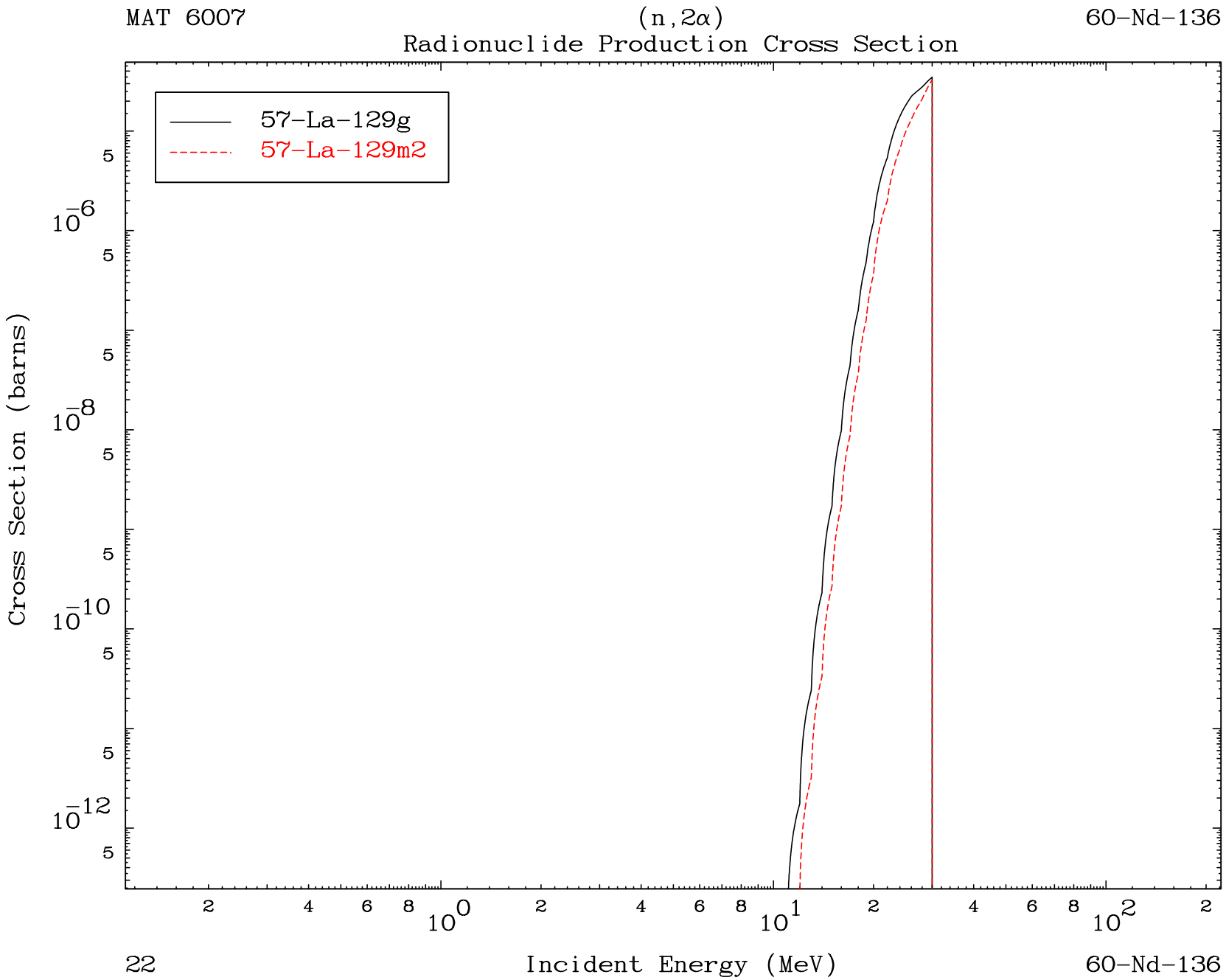

MAT 6007
(n,n') He-3
60-Nd-136
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
60-Nd-136

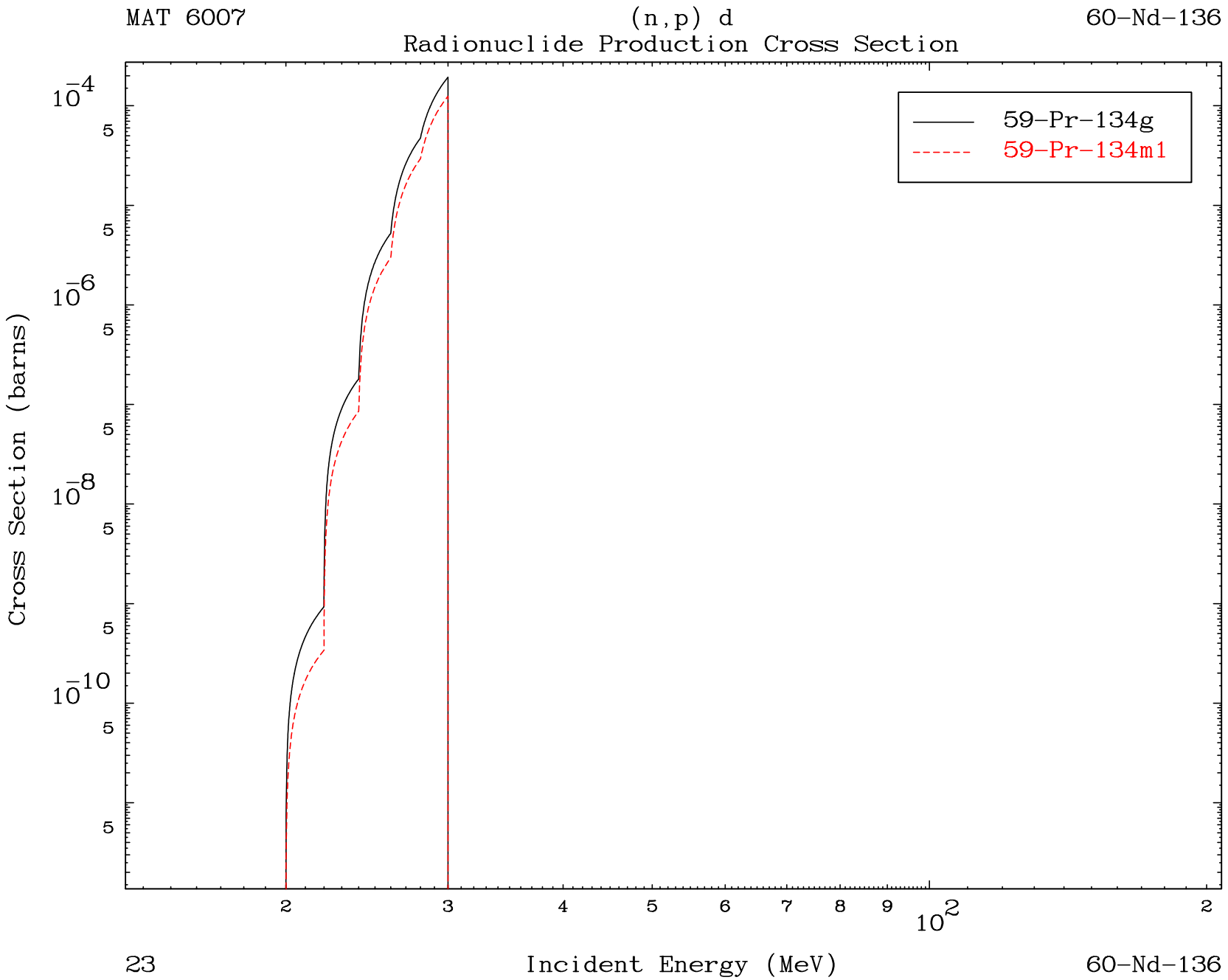

MAT 6007
(n,2n) p
60-Nd-136
Radionuclide Production Cross Section
59-Pr-134g
59-Pr-134m1
Cross Section (barns)
Incident Energy (MeV)
18
60-Nd-136

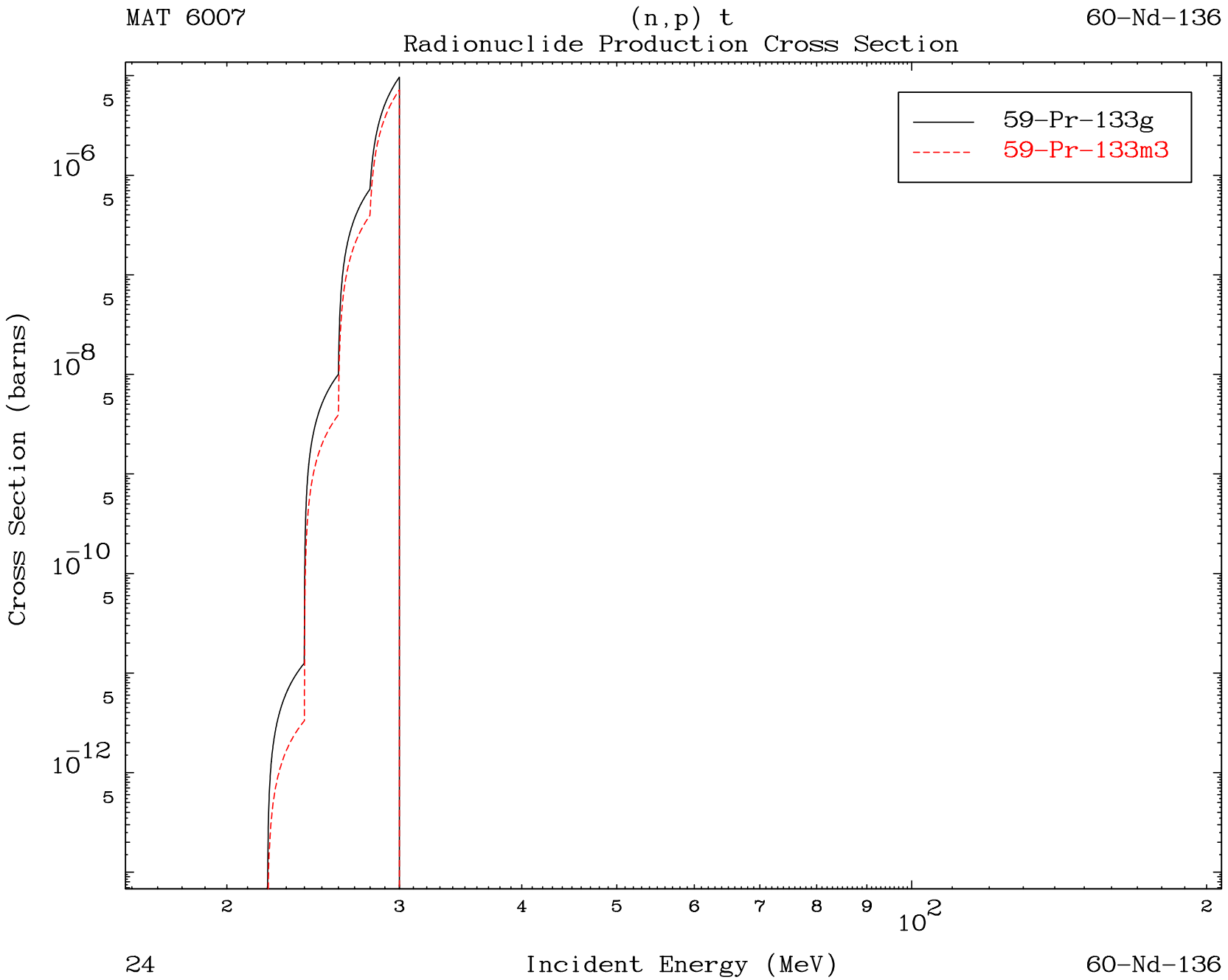

MAT 6007
(n,n') p α
60-Nd-136
Radionuclide Production Cross Section
58-Ce-131g
58-Ce-131m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
19
Incident Energy (MeV)
60-Nd-136

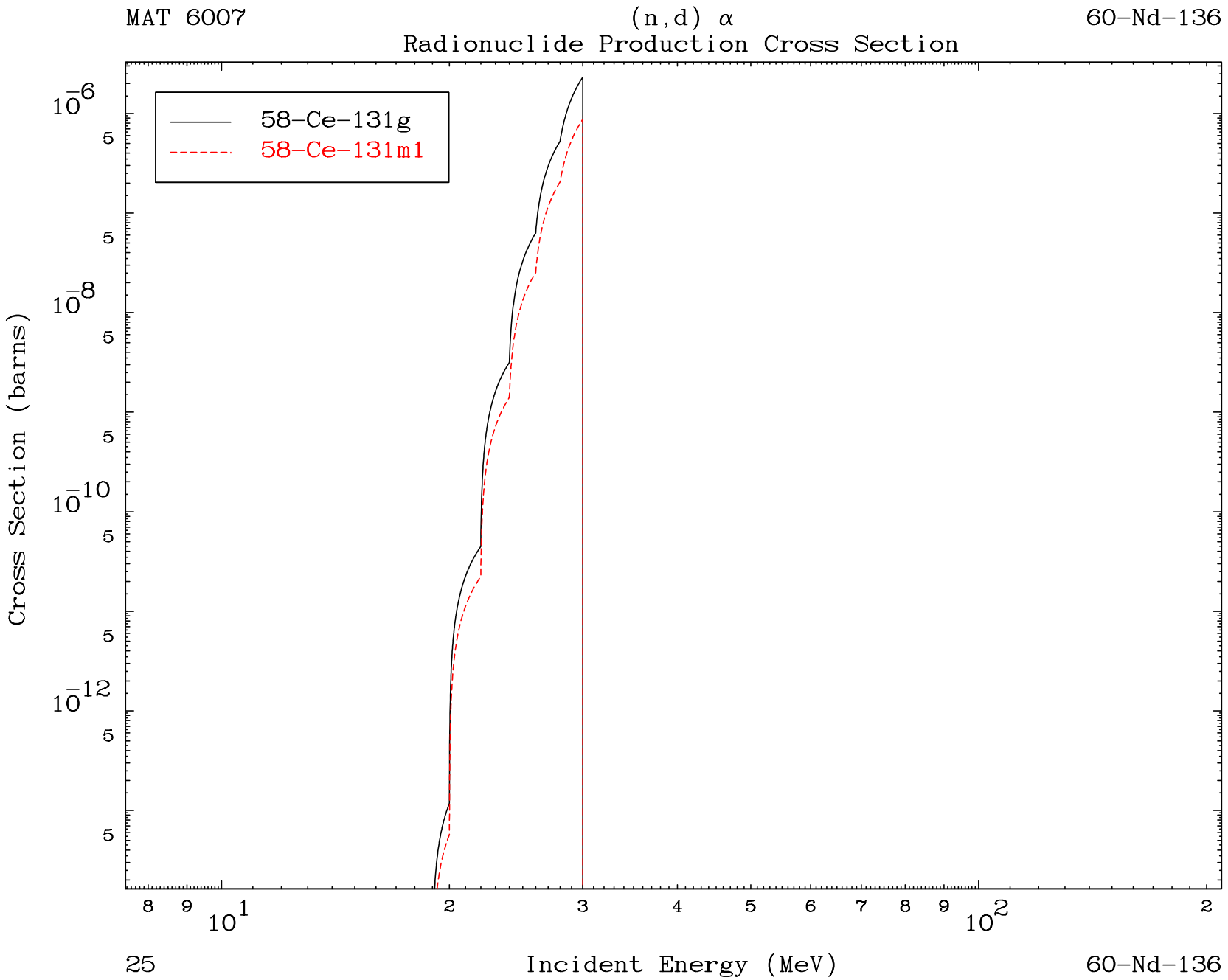

MAT 6007
(n,He-3)
60-Nd-136
Radionuclide Production Cross Section
59-Pr-134g
59-Pr-134m1
Cross Section (barns)
Incident Energy (MeV)
20
60-Nd-136


MAT 6007
(n,α)
60-Nd-136
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
Incident Energy (MeV)
21
60-Nd-136


MAT 6007
(n,2α)
60-Nd-136
Radionuclide Production Cross Section
57-La-129g
57-La-129m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
22
60-Nd-136


MAT 6007
(n,p) d
60-Nd-136
Radionuclide Production Cross Section
59-Pr-134g
59-Pr-134m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
23
Incident Energy (MeV)
60-Nd-136


MAT 6007
(n,p) t
60-Nd-136
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
24
Incident Energy (MeV)
60-Nd-136


MAT 6007
(n,d) α
60-Nd-136
Radionuclide Production Cross Section
58-Ce-131g
58-Ce-131m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
25
60-Nd-136