Program EVALPLOT
(Version 2018-1)
by
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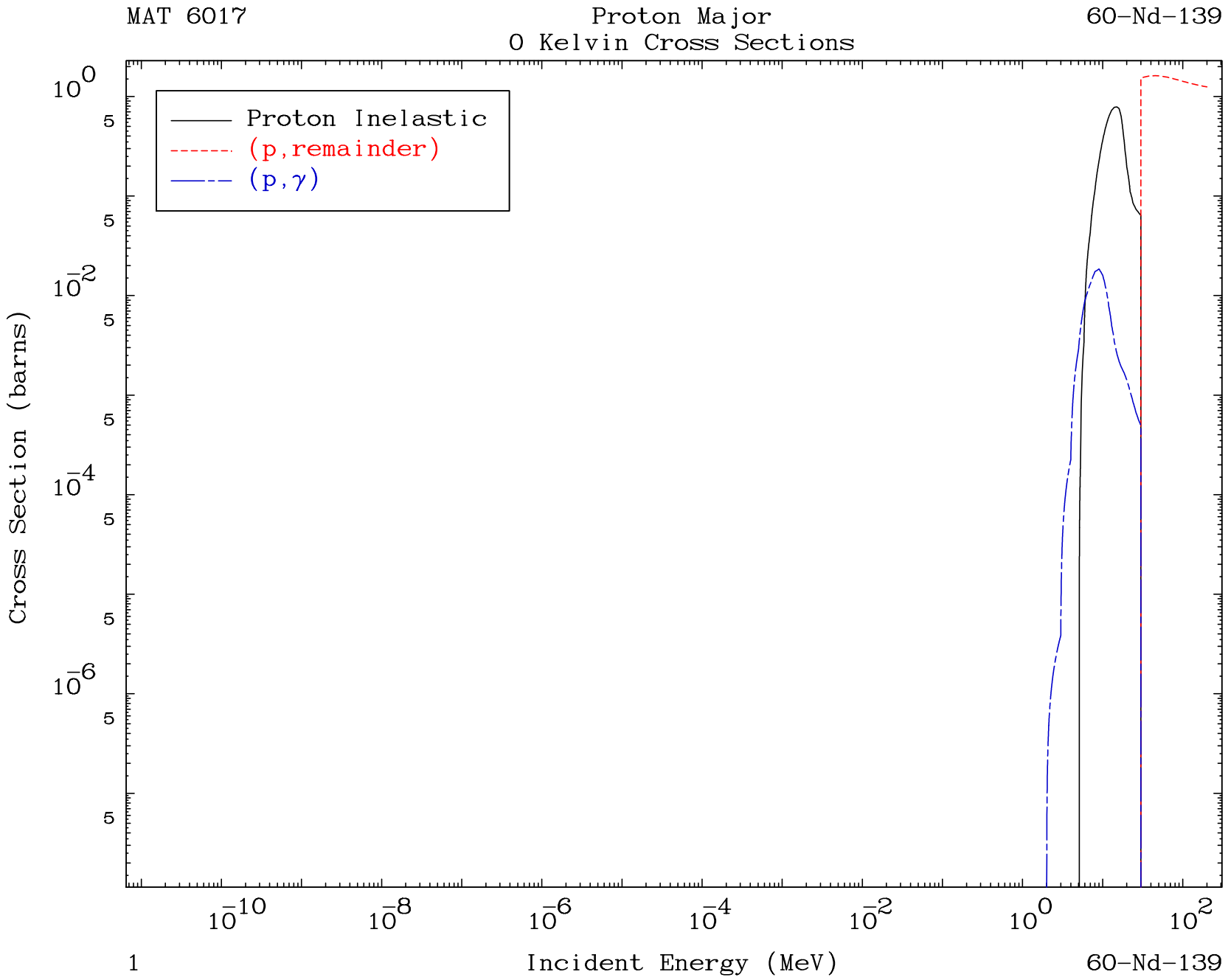
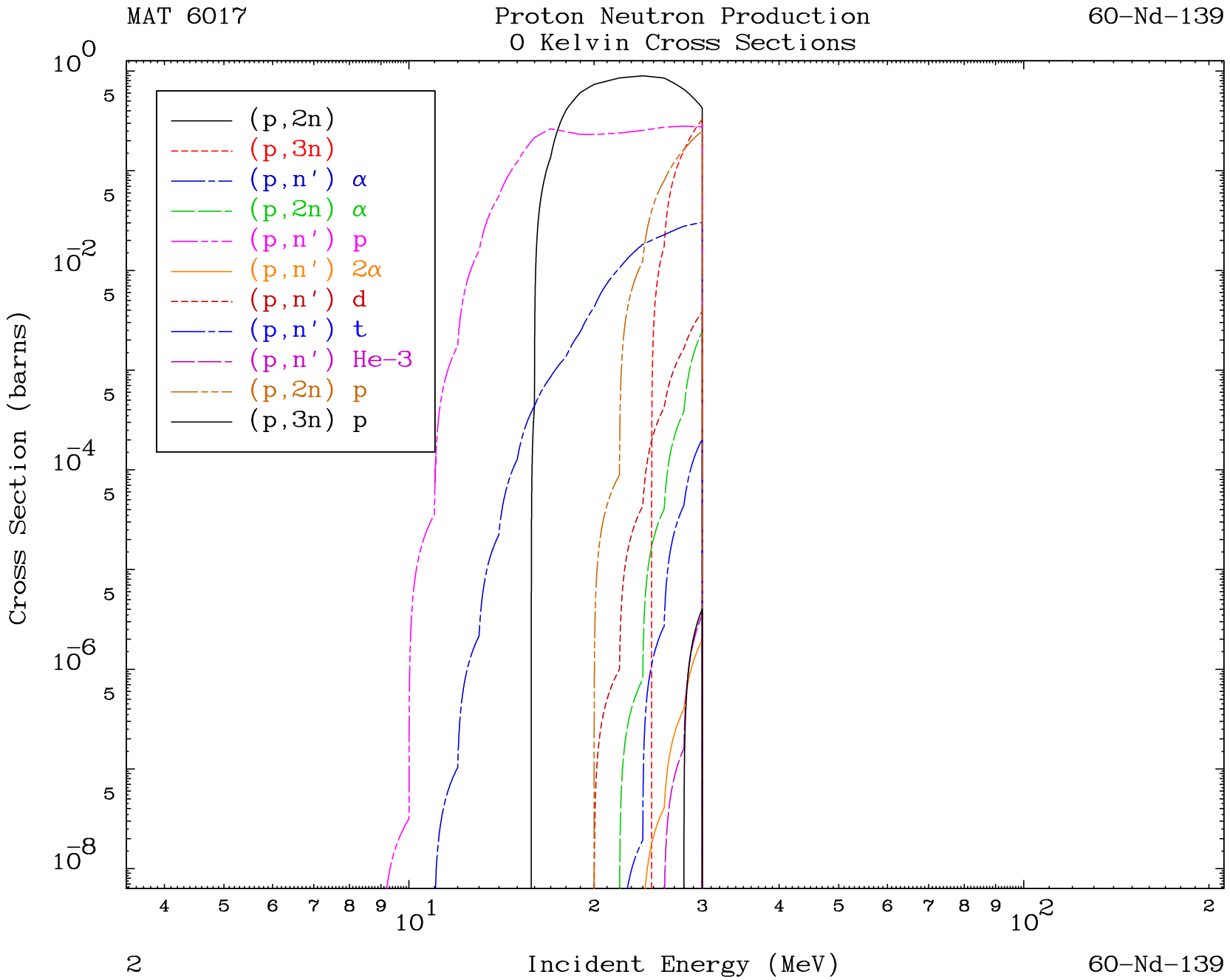
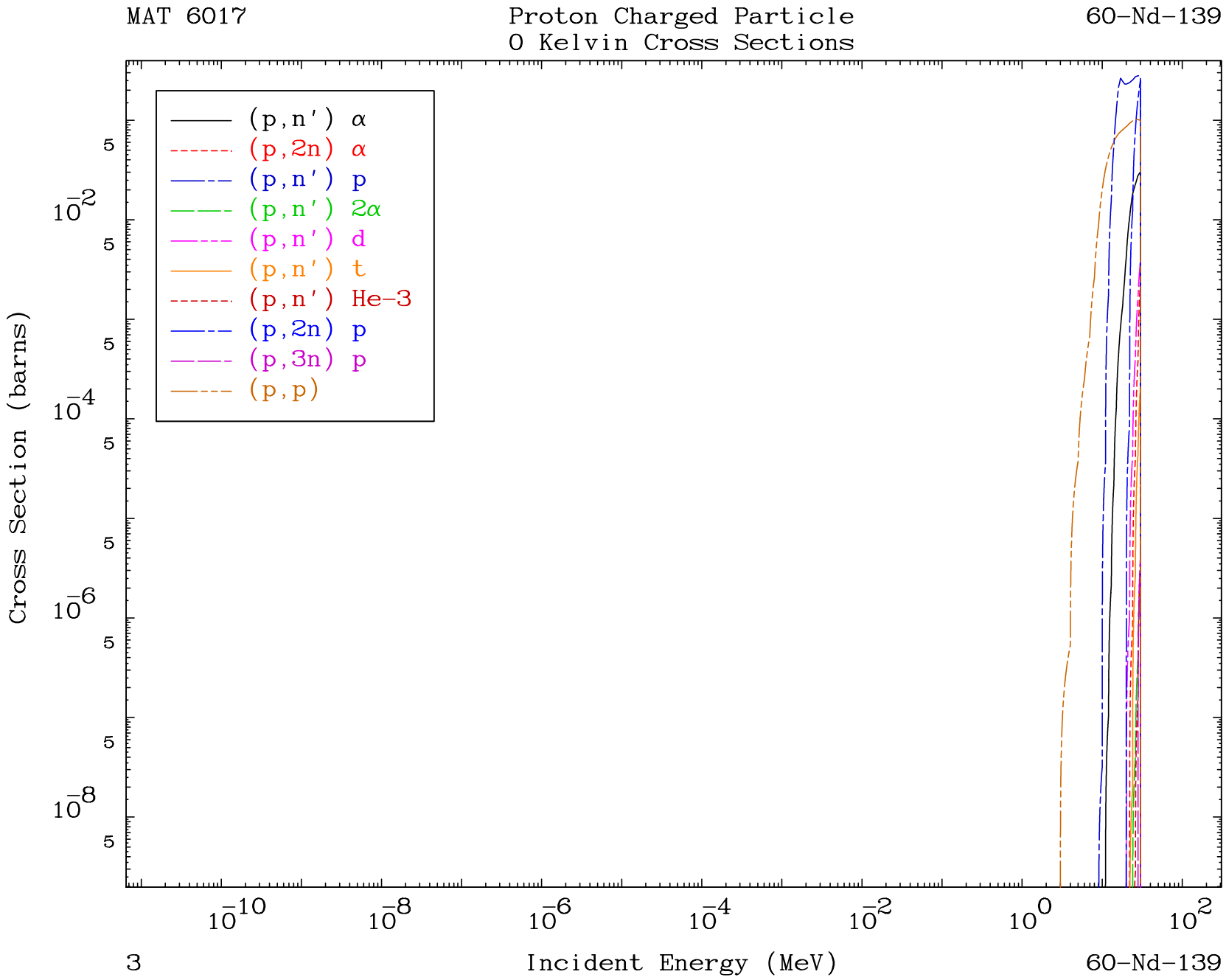
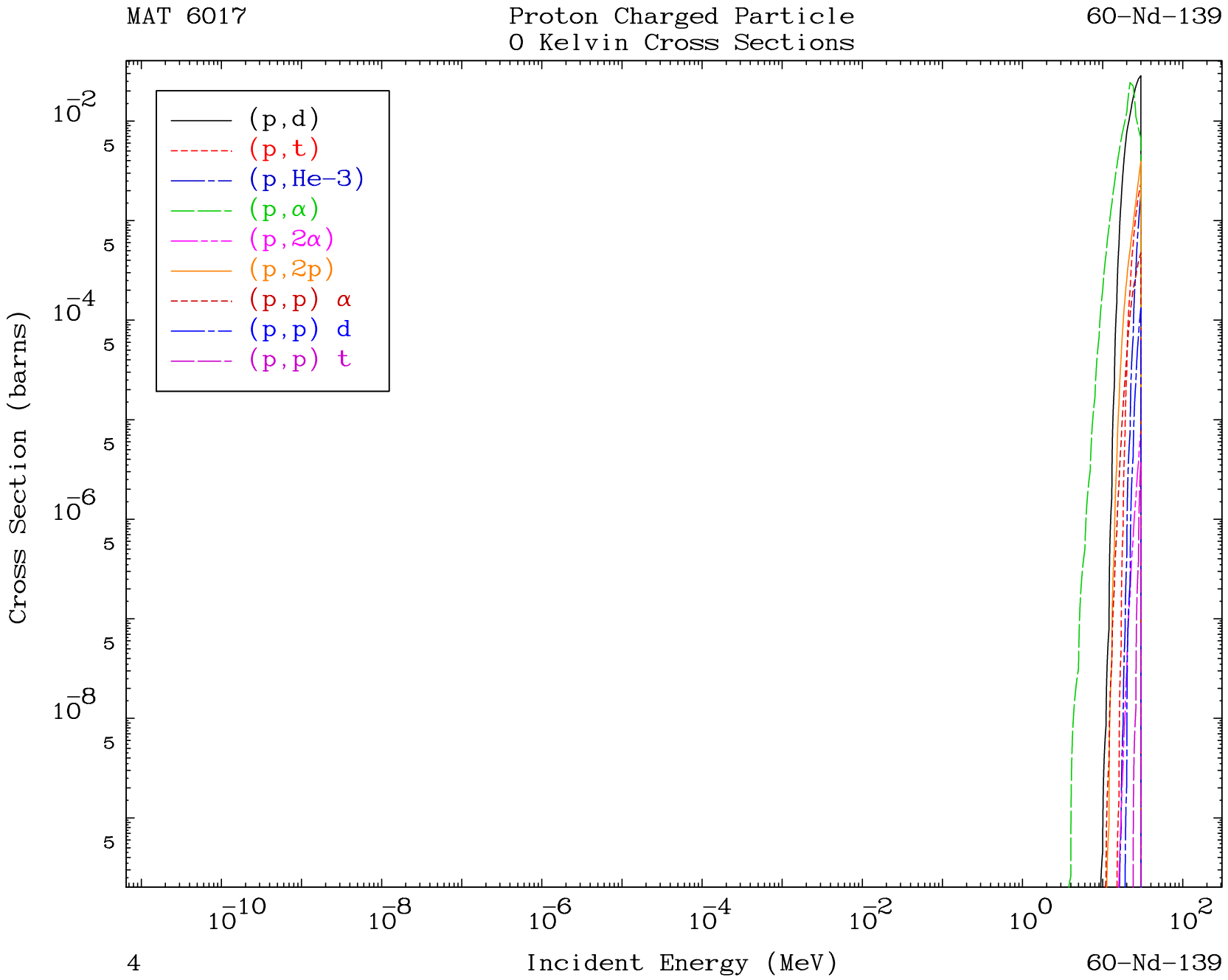
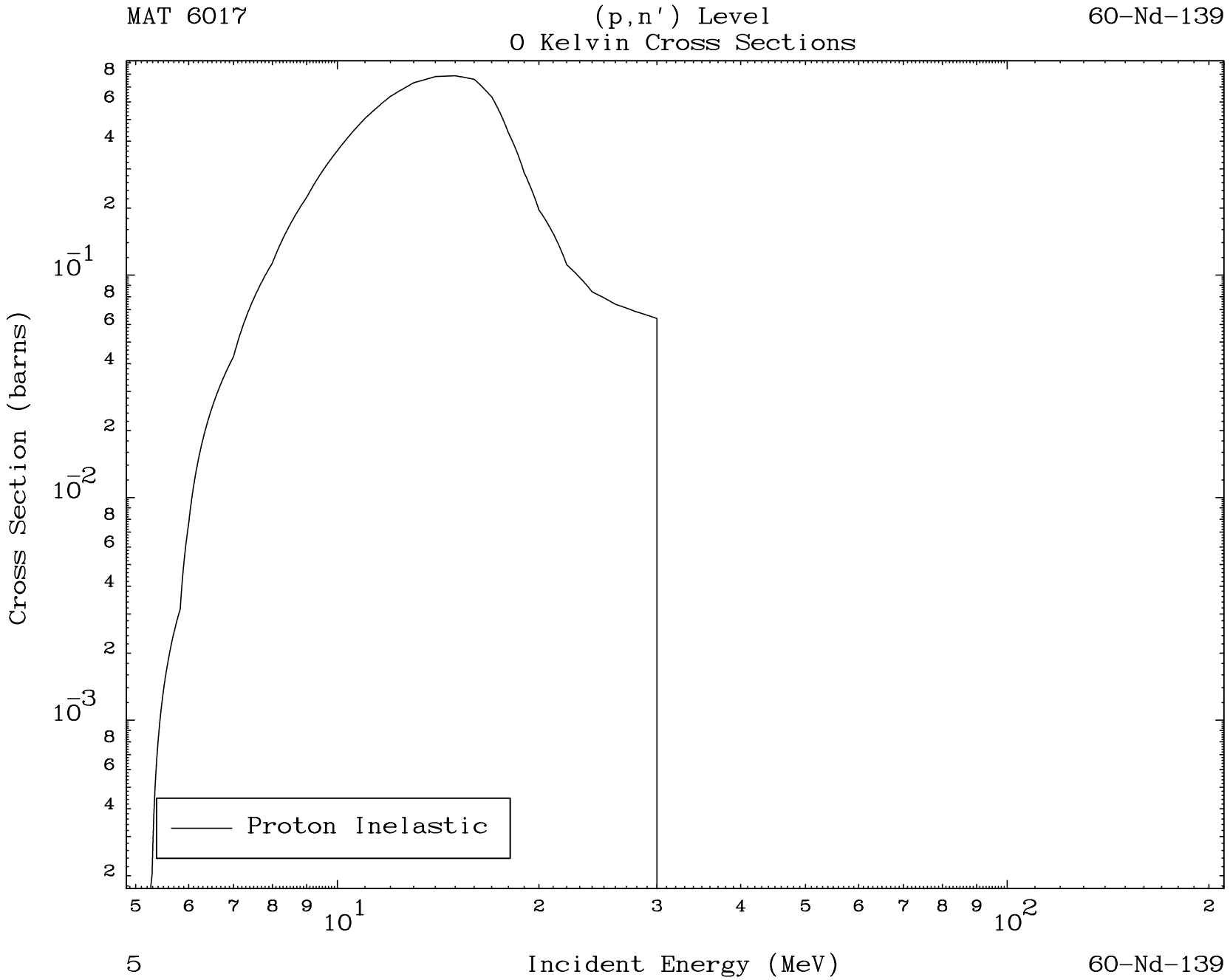
Press Mouse Button to Start

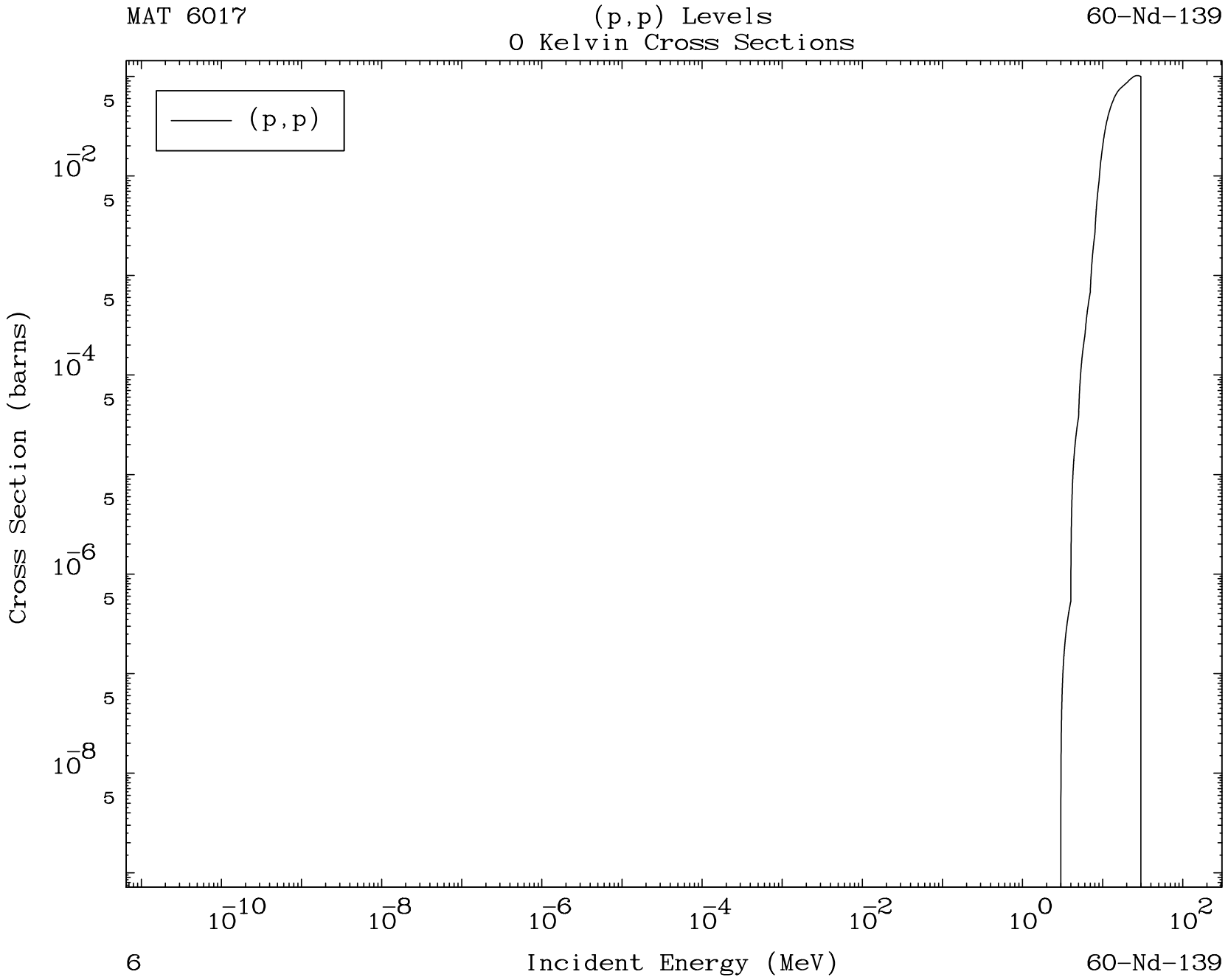

MAT 6017
Proton Major
60-Nd-139
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-139
1

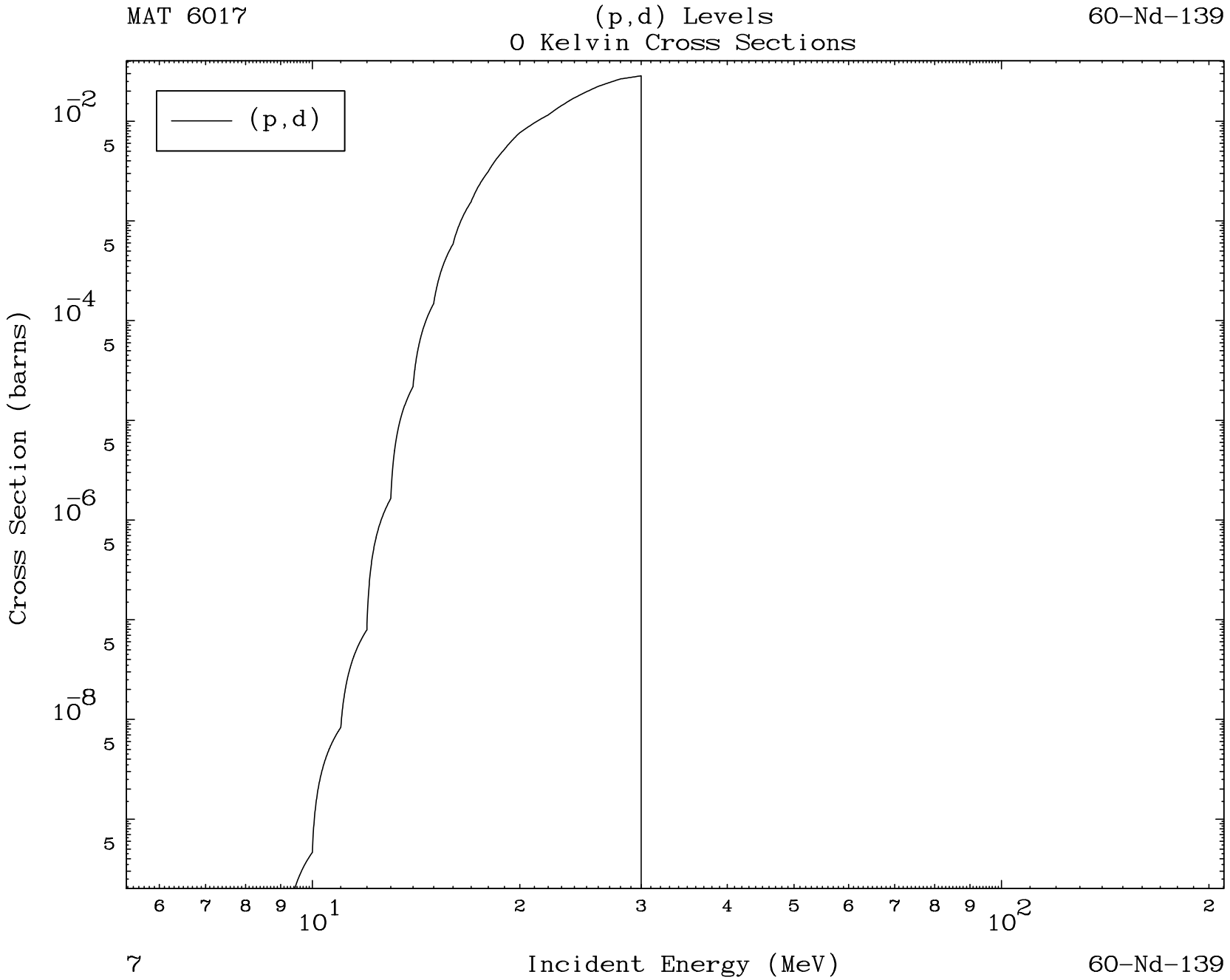

MAT 6017
Proton Neutron Production
0 Kelvin Cross Sections
60-Nd-139
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
60-Nd-139

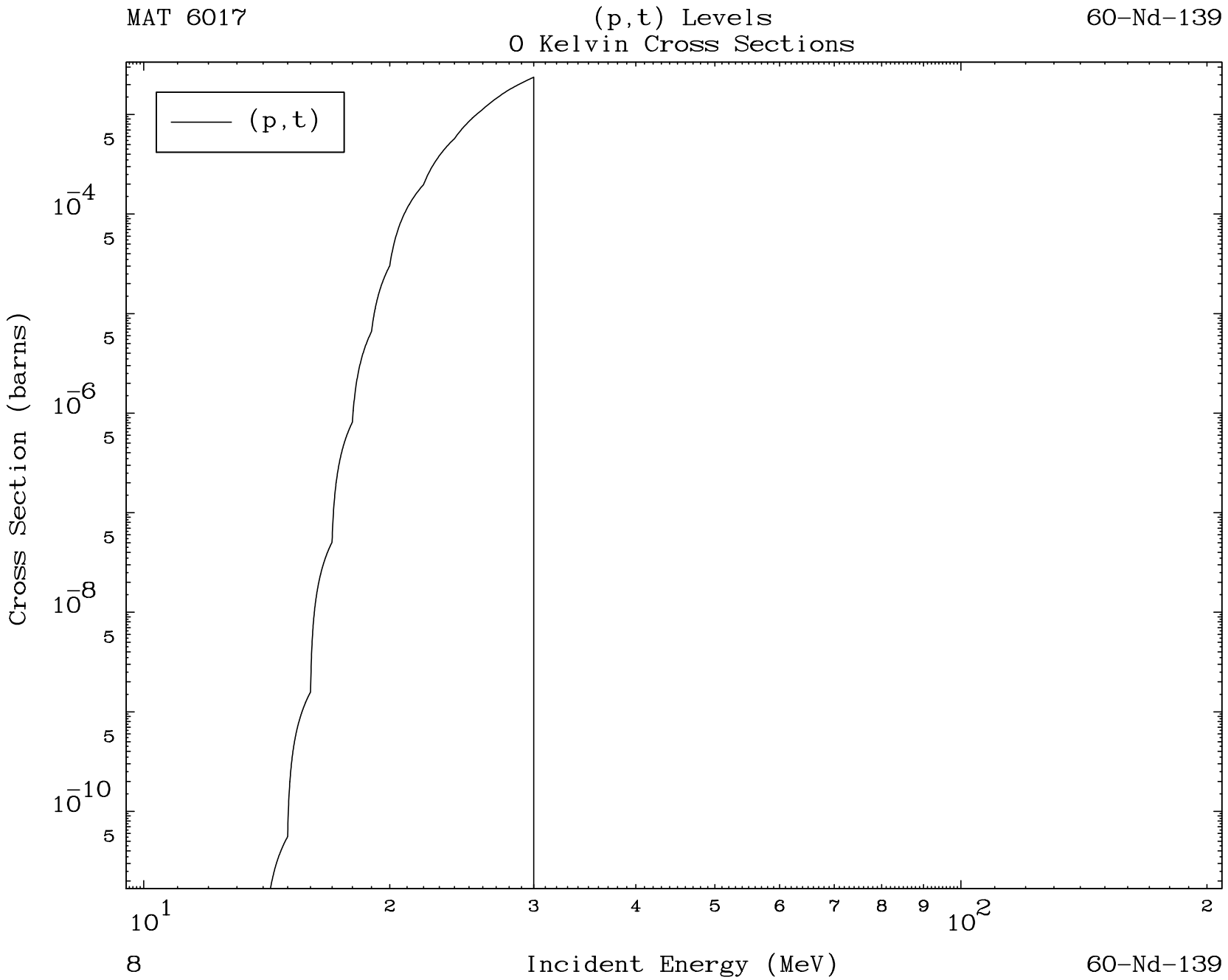

MAT 6017
Proton Charged Particle
0 Kelvin Cross Sections
60-Nd-139
(p,n') α
(p,2n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
(p,p)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
3
60-Nd-139

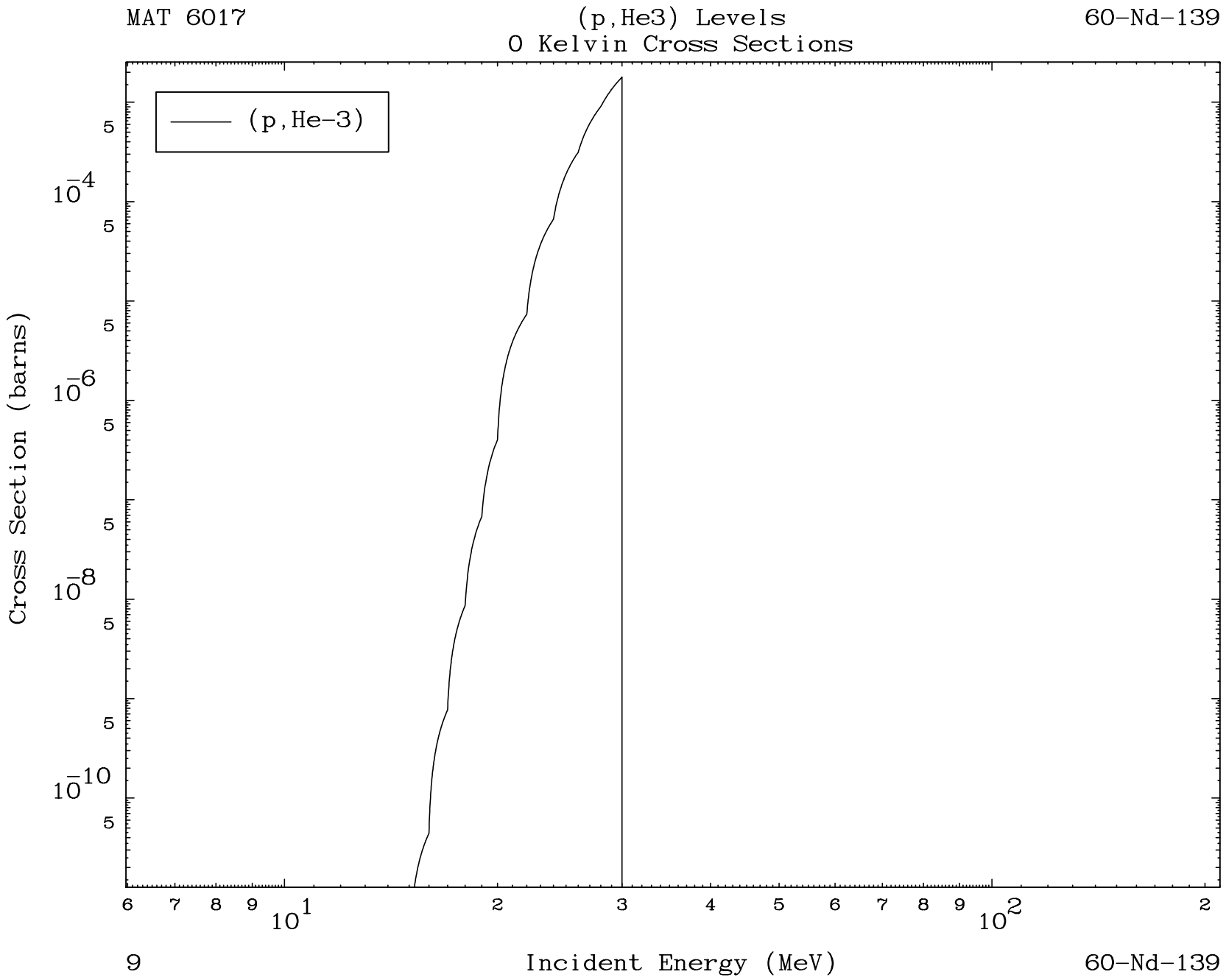

MAT 6017
Proton Charged Particle
0 Kelvin Cross Sections
60-Nd-139
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
4
60-Nd-139

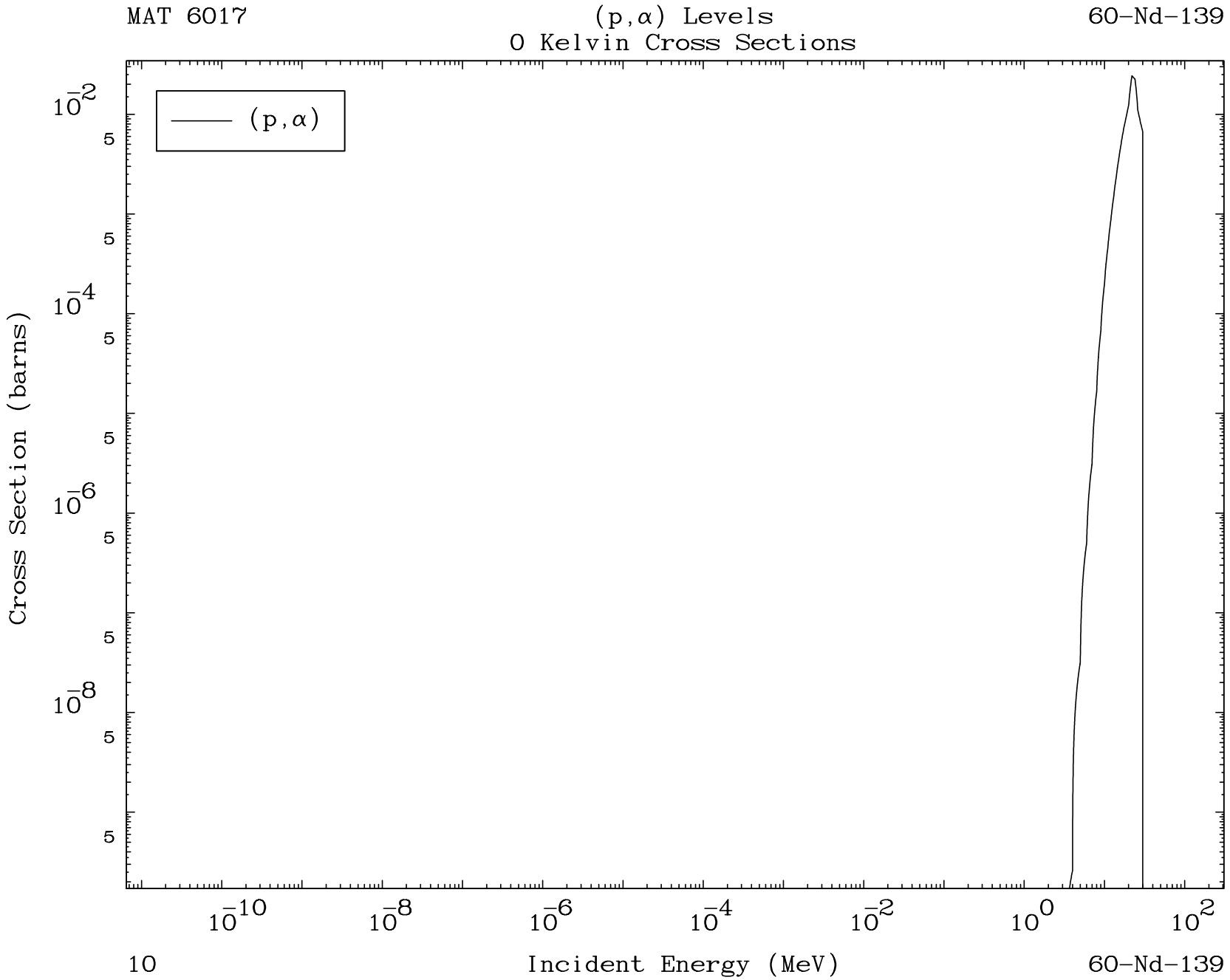

MAT 6017
(p,n') Level
60-Nd-139
0 Kelvin Cross Sections
Cross Section (barns)
Proton Inelastic
Incident Energy (MeV)
60-Nd-139

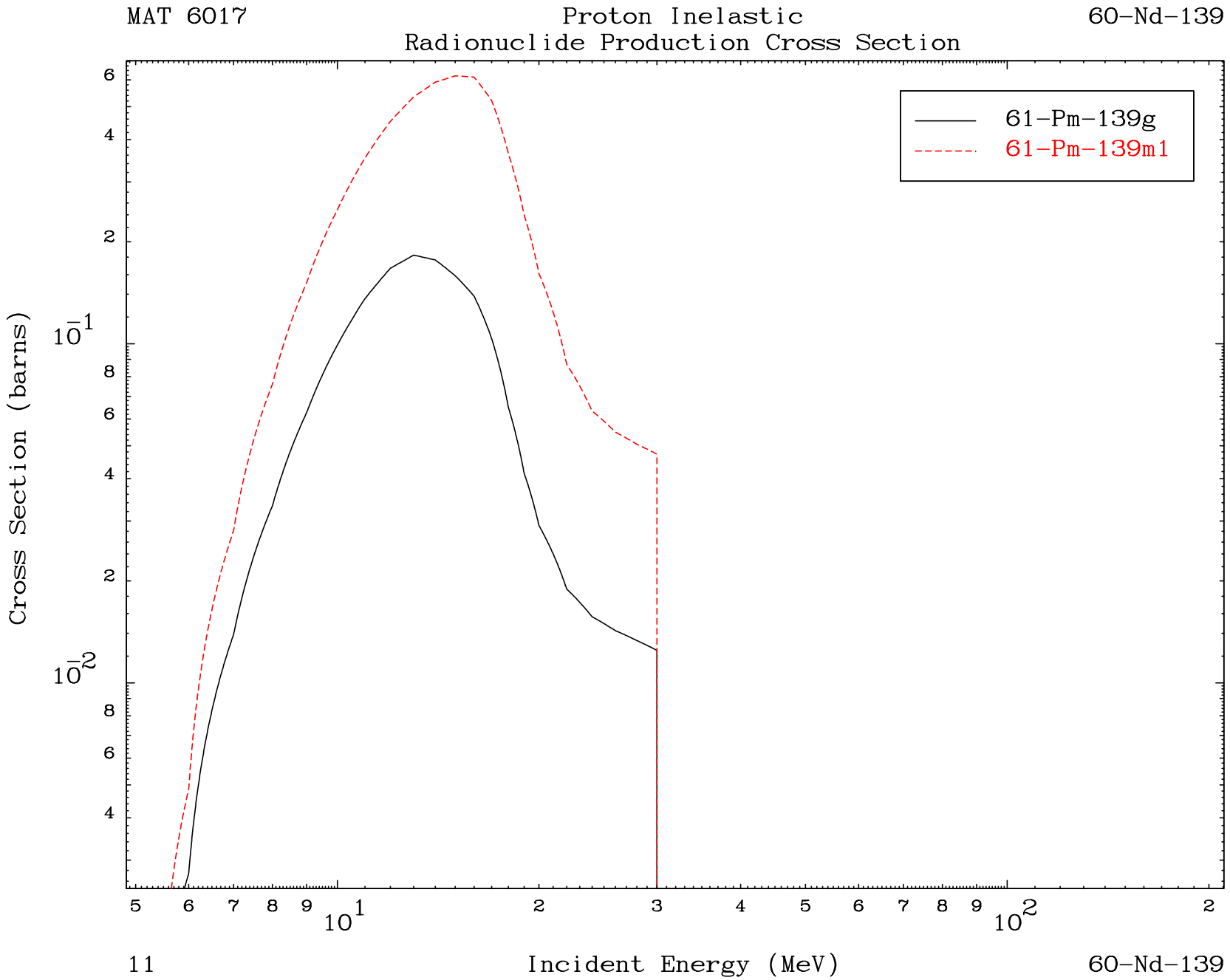

MAT 6017
(p,p) Levels
60-Nd-139
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
6
60-Nd-139

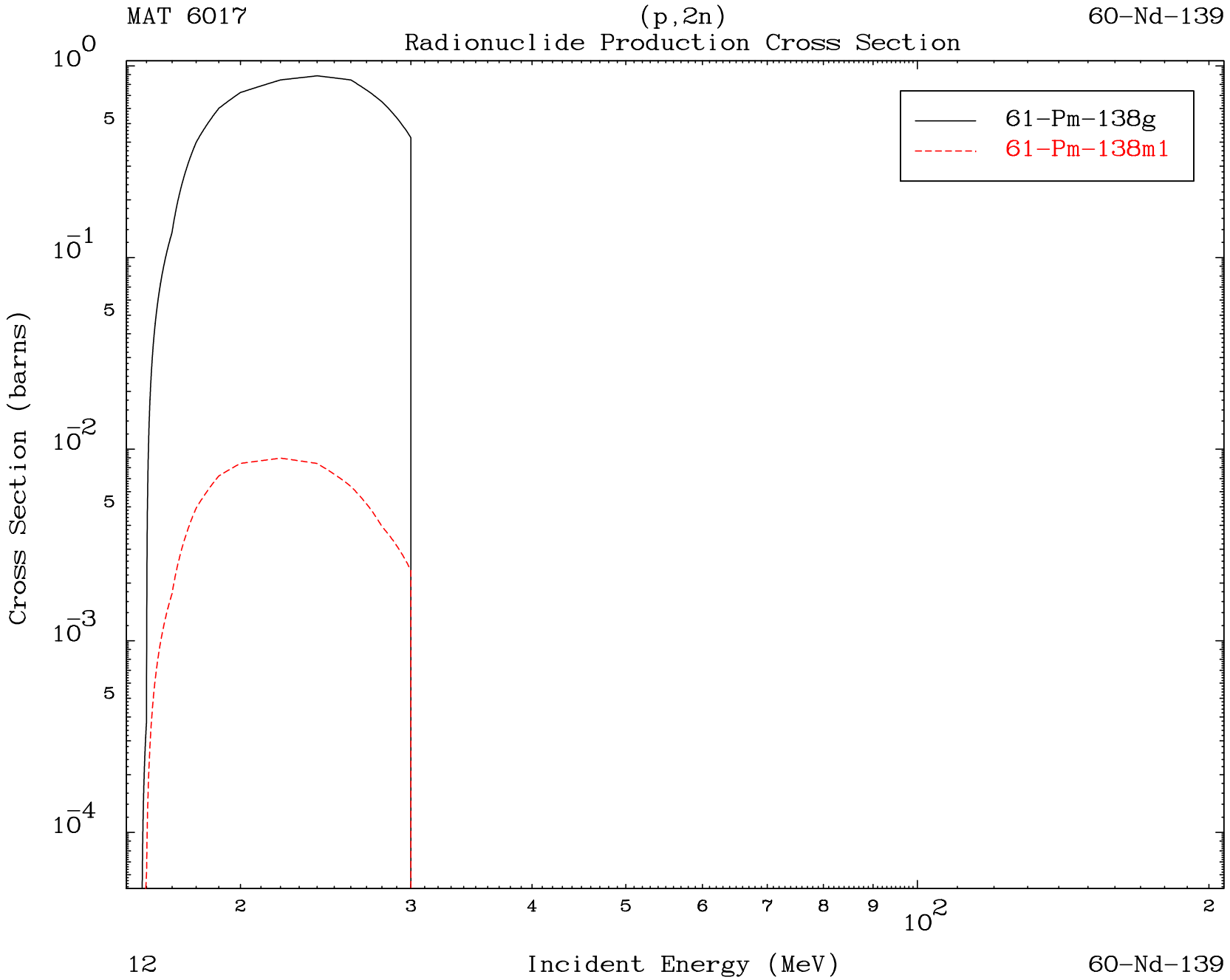

MAT 6017
(p,d) Levels
60-Nd-139
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
10 1
10 2
7
60-Nd-139

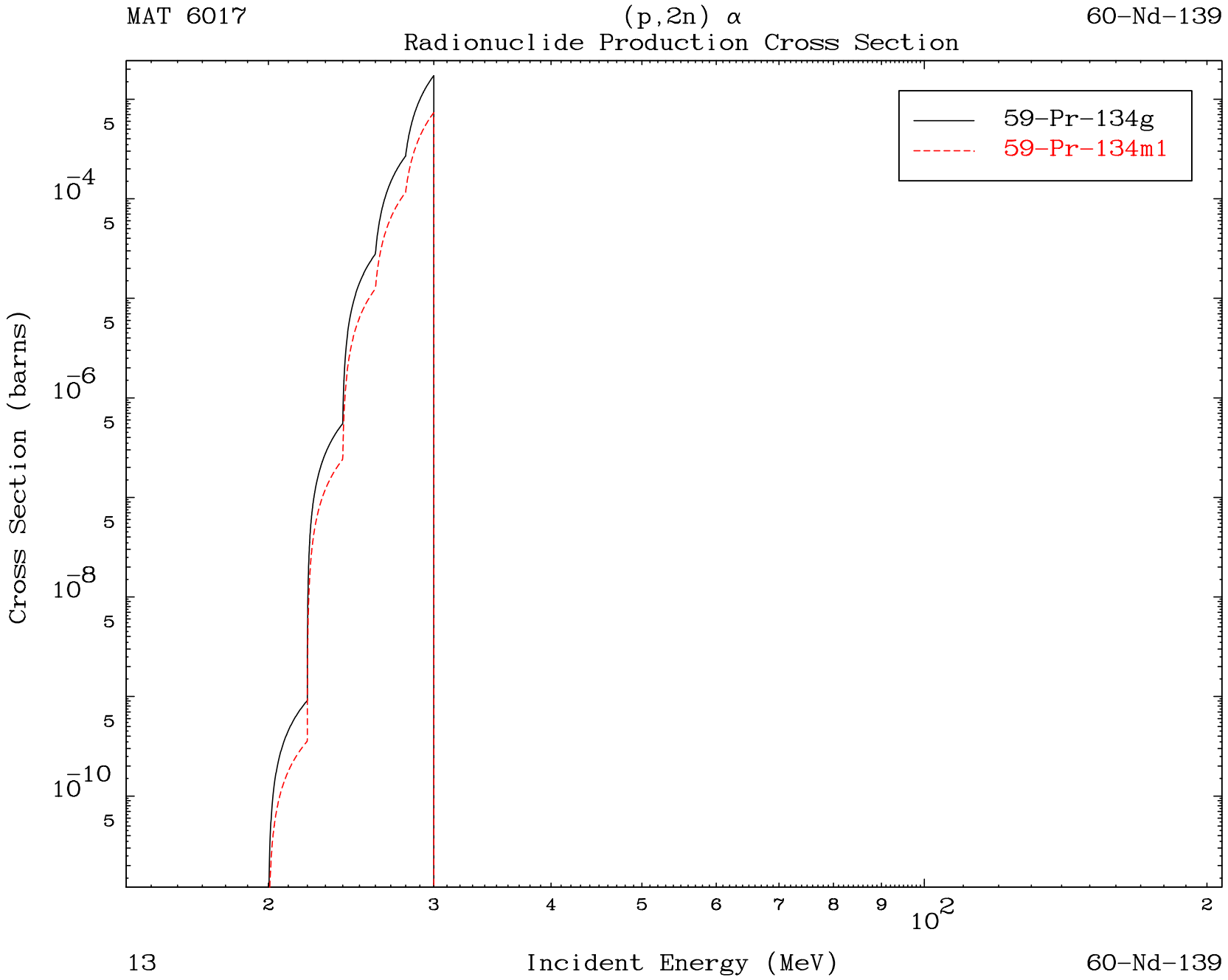

MAT 6017
(p,t) Levels
60-Nd-139
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
60-Nd-139

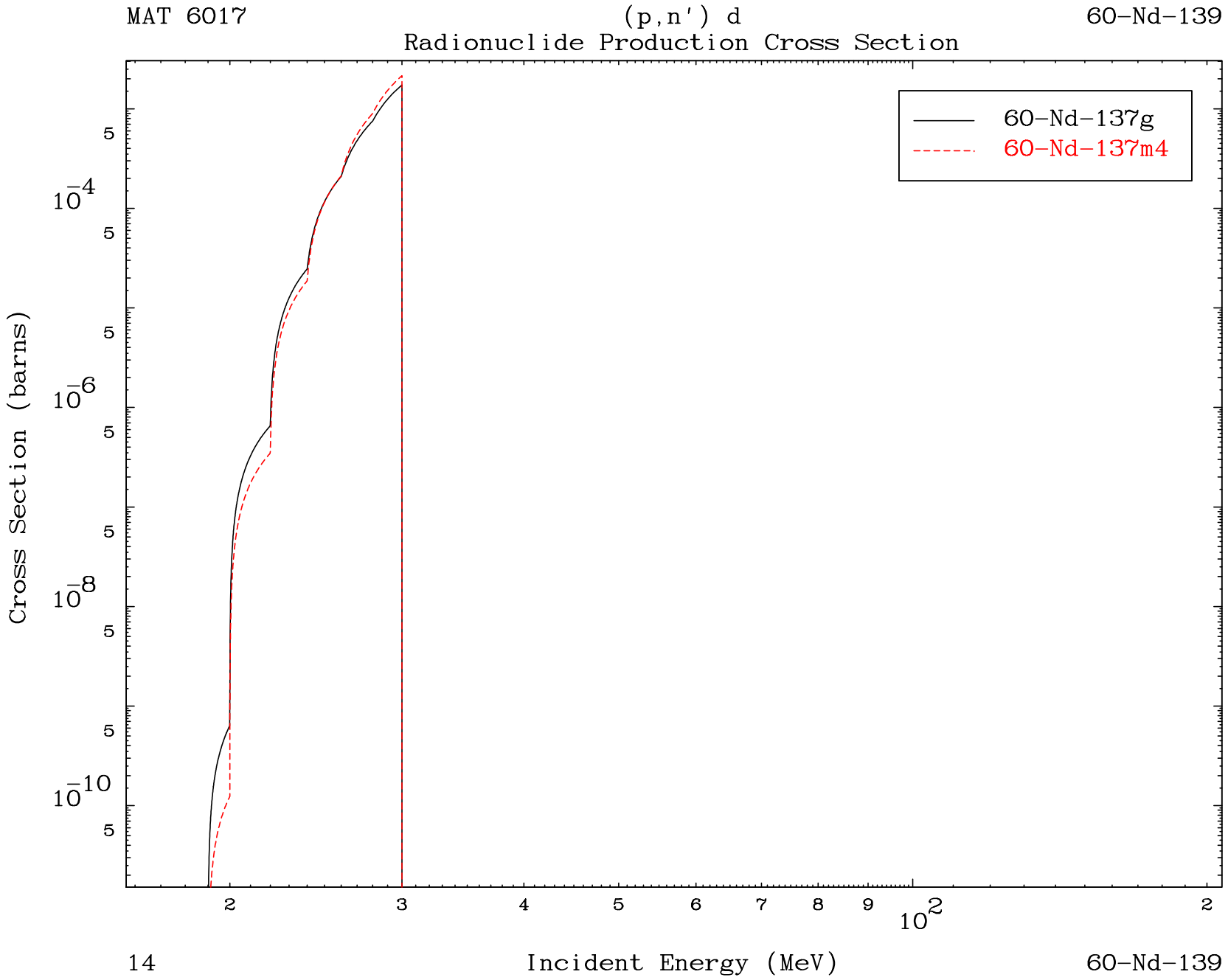

MAT 6017
(p,He3) Levels
60-Nd-139
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
9
60-Nd-139

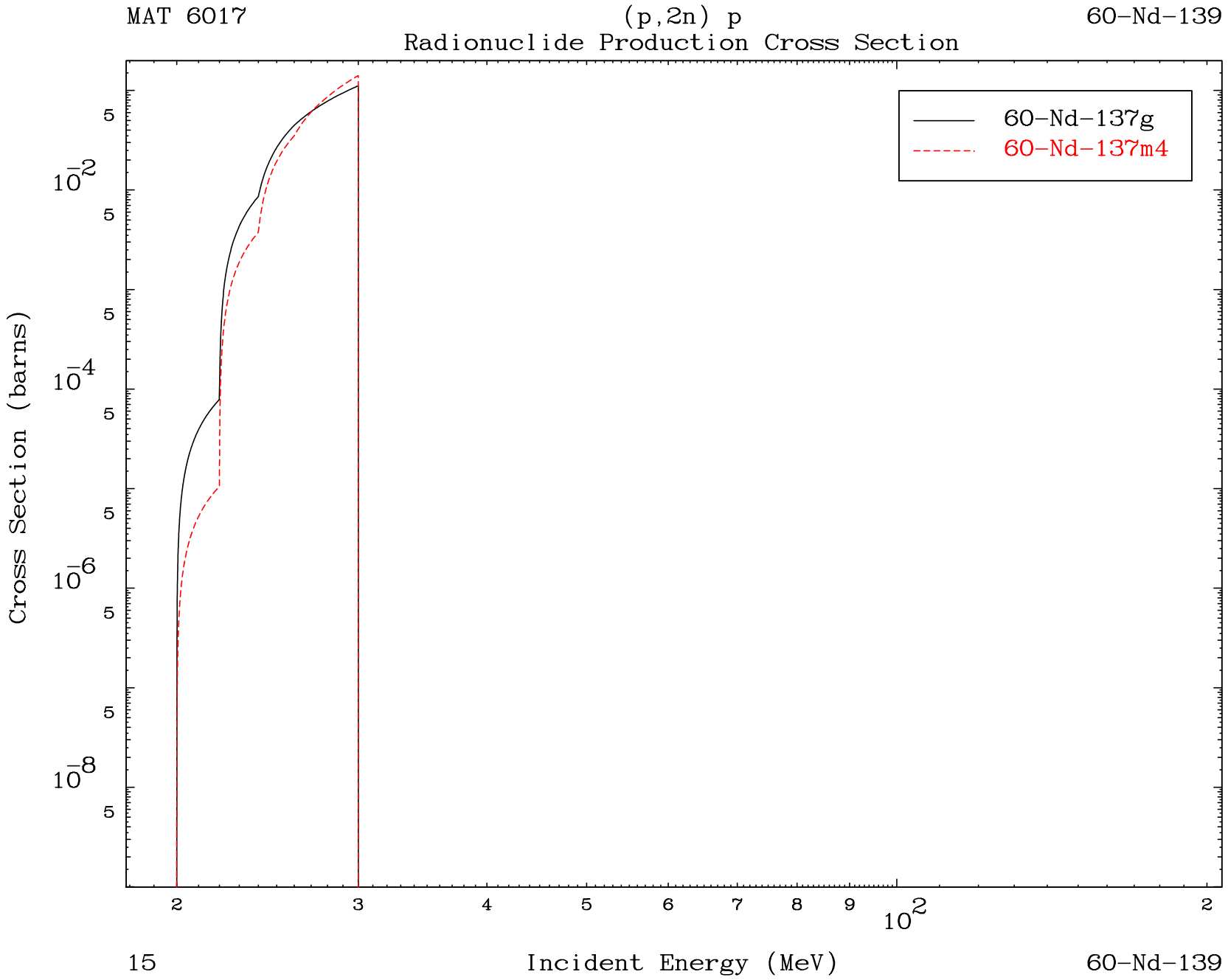

MAT 6017
(p,α) Levels
60-Nd-139
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-139
10

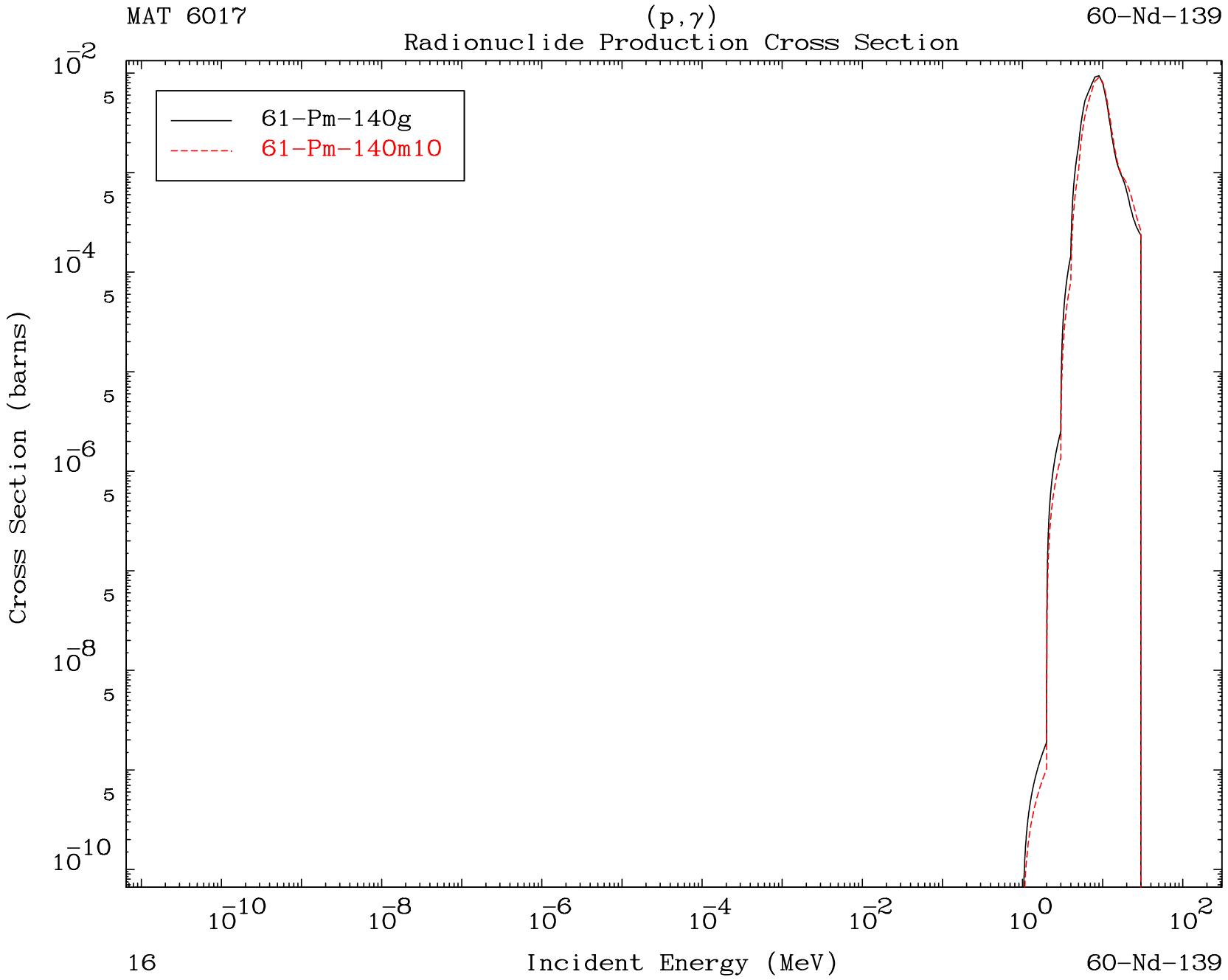

MAT 6017
Proton Inelastic
60-Nd-139
Radionuclide Production Cross Section
61-Pm-139g
61-Pm-139m1
Cross Section (barns)
Incident Energy (MeV)
11
60-Nd-139

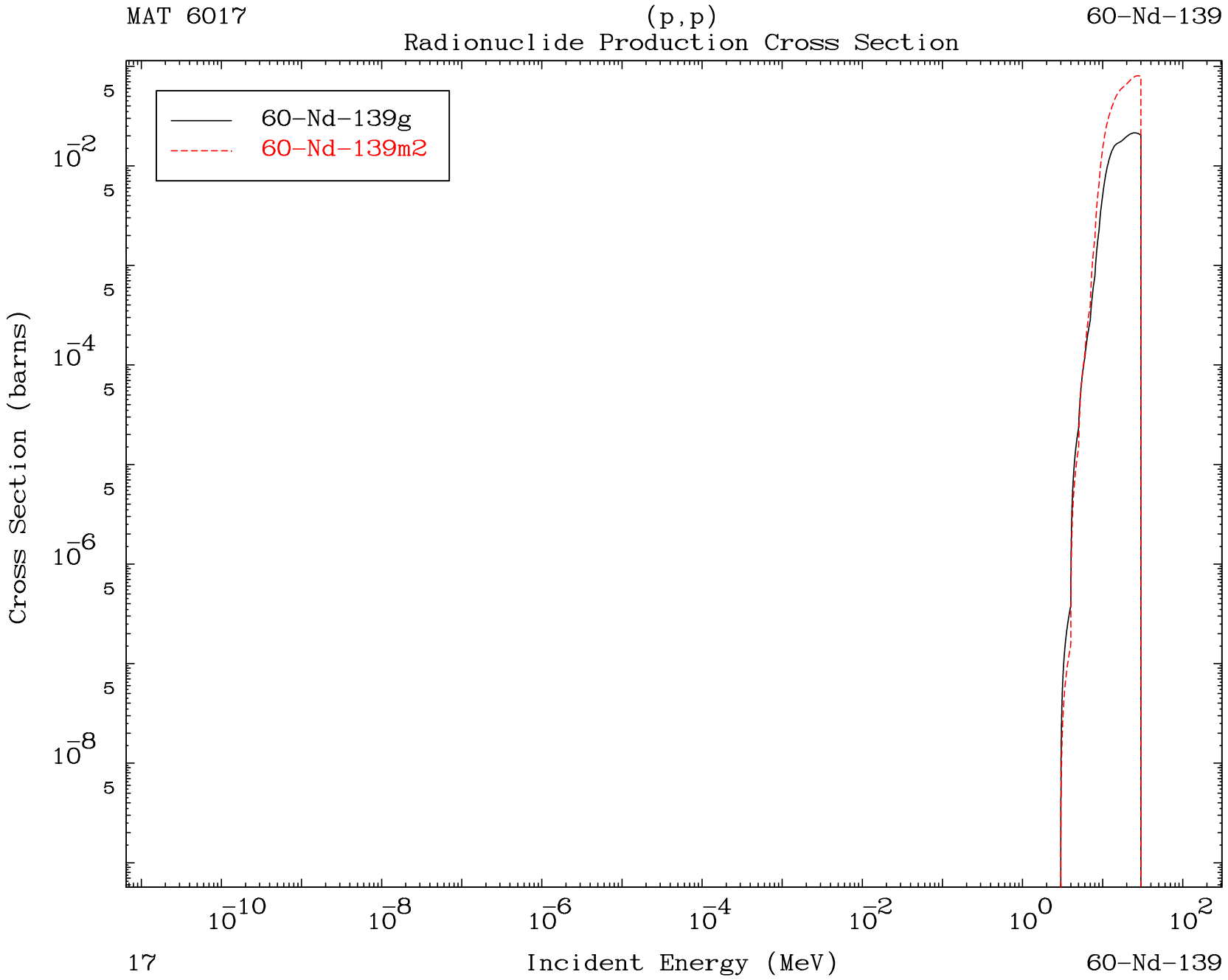

MAT 6017
(p,2n)
60-Nd-139
Radionuclide Production Cross Section
61-Pm-138g
61-Pm-138m1
Cross Section (barns)
Incident Energy (MeV)
12
60-Nd-139

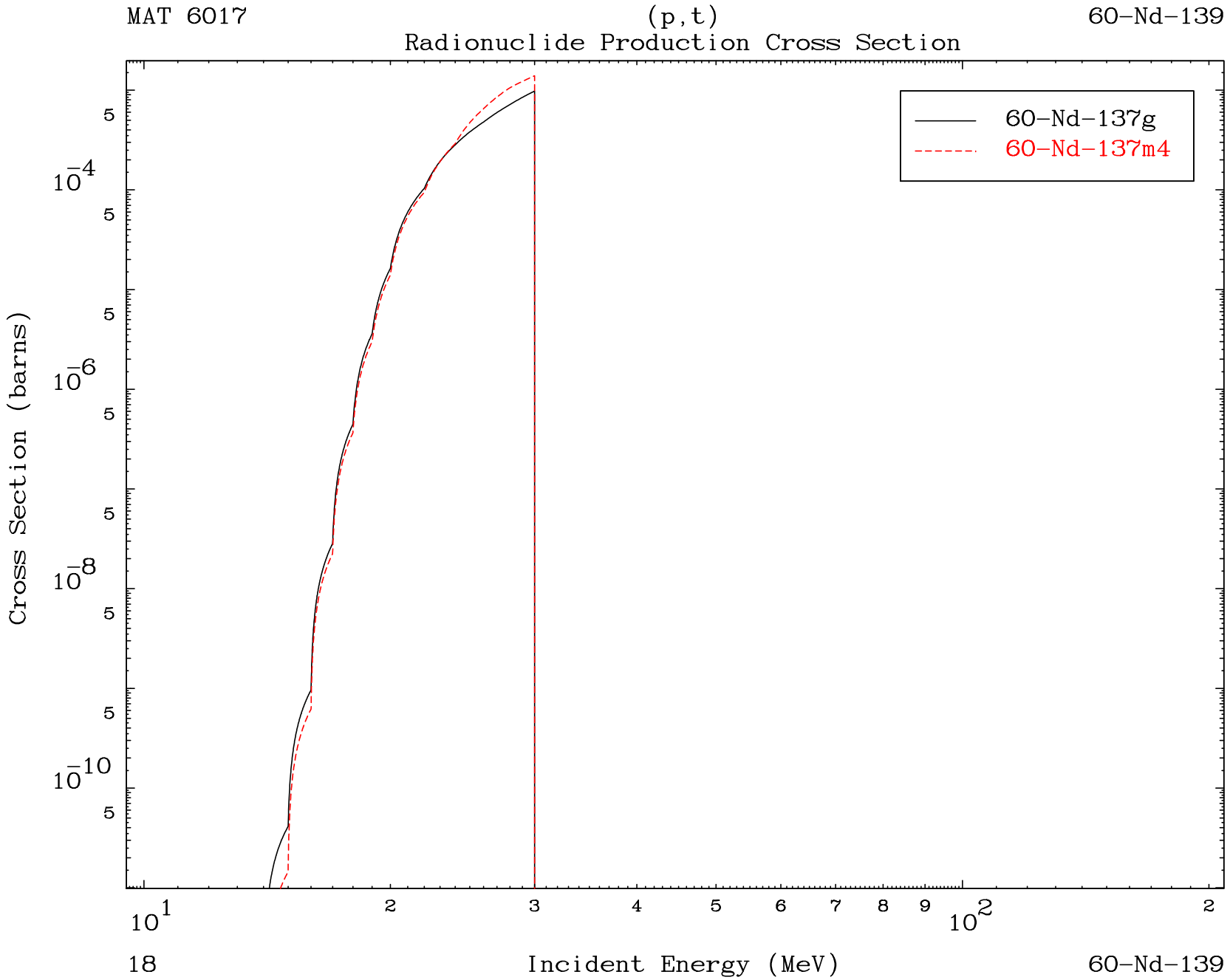

MAT 6017
(p,2n) α
60-Nd-139
Radionuclide Production Cross Section
59-Pr-134g
59-Pr-134m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
60-Nd-139

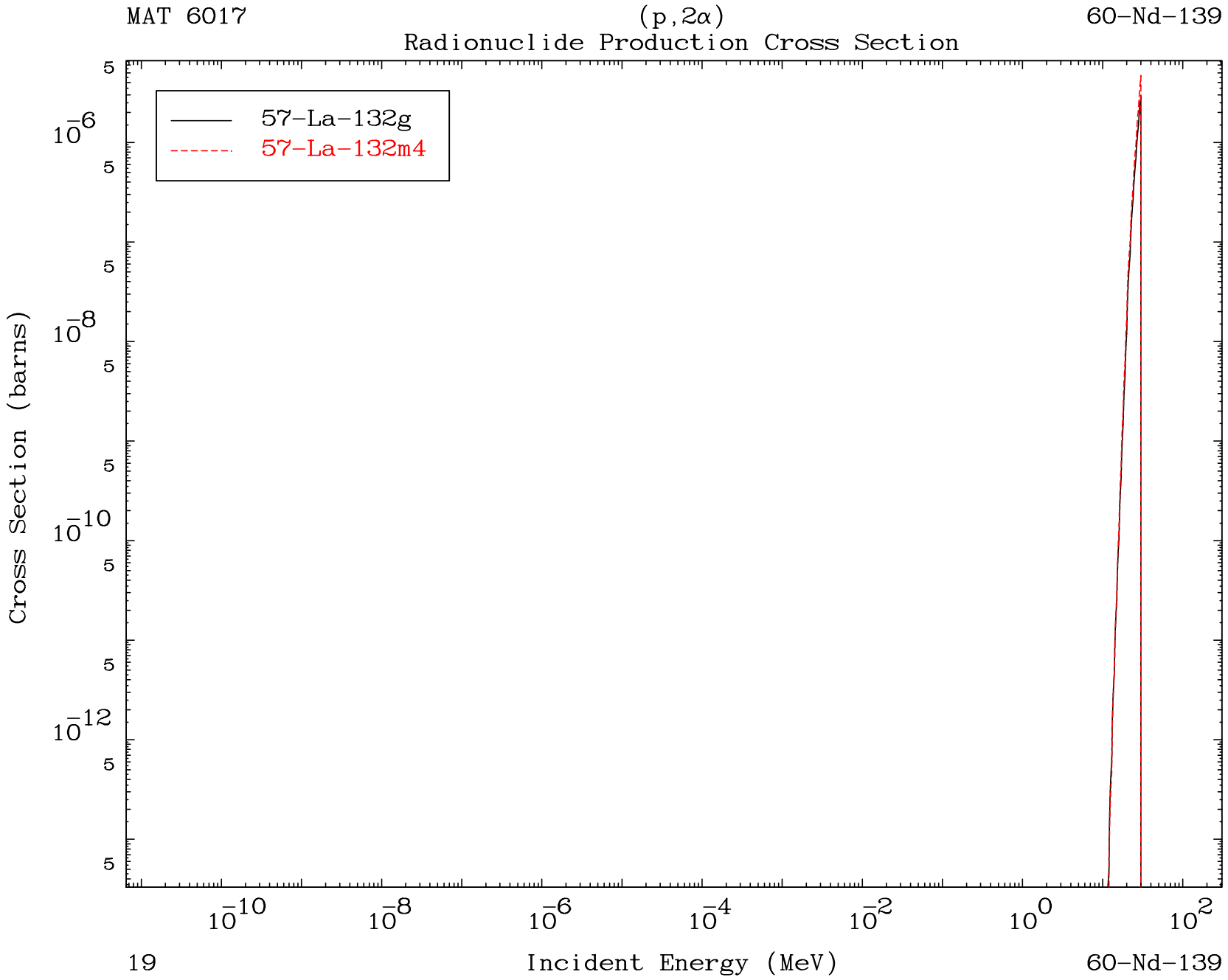

MAT 6017
(p,n') d
60-Nd-139
Radionuclide Production Cross Section
60-Nd-137g
60-Nd-137m4
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
60-Nd-139

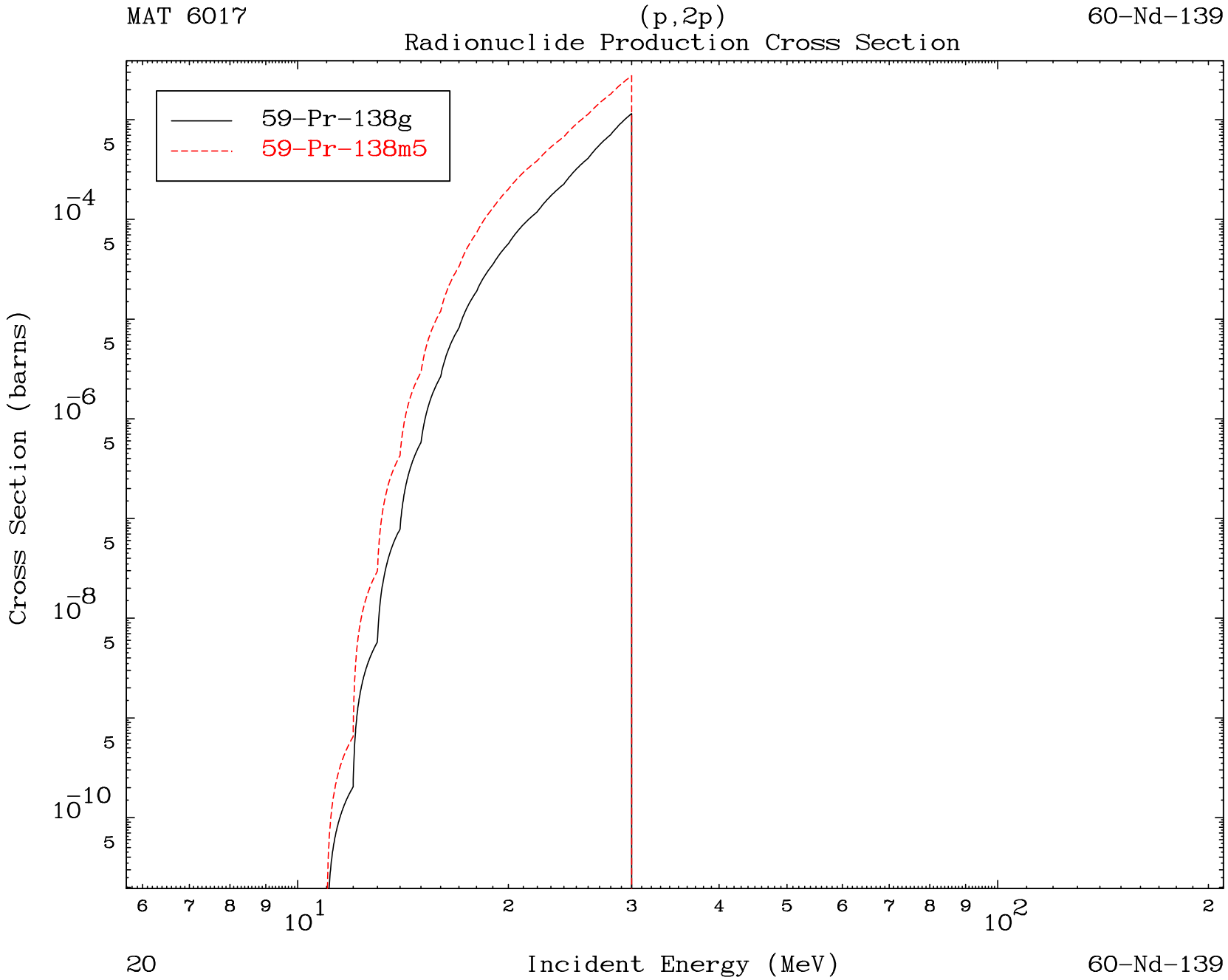

MAT 6017
(p,2n) p
60-Nd-139
Radionuclide Production Cross Section
60-Nd-137g
60-Nd-137m4
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
60-Nd-139

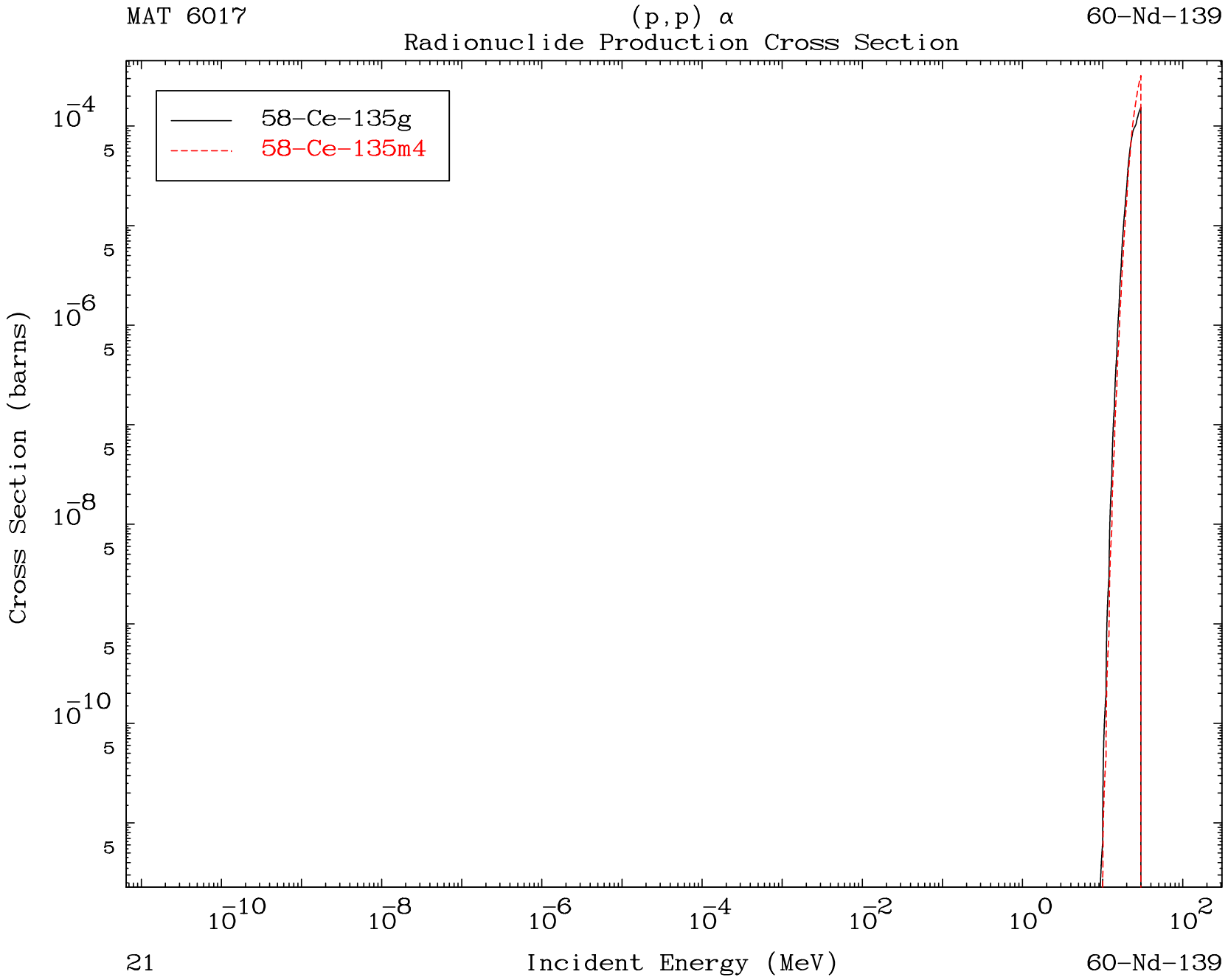

MAT 6017
(p,γ)
60-Nd-139
Radionuclide Production Cross Section
61-Pm-140g
61-Pm-140m10
Cross Section (barns)
Incident Energy (MeV)
16
60-Nd-139


MAT 6017
(p,p)
60-Nd-139
Radionuclide Production Cross Section
60-Nd-139g
60-Nd-139m2
Cross Section (barns)
Incident Energy (MeV)
17
60-Nd-139


MAT 6017
(p,t)
60-Nd-139
Radionuclide Production Cross Section
60-Nd-137g
60-Nd-137m4
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
18
60-Nd-139


MAT 6017
(p,2α)
60-Nd-139
Radionuclide Production Cross Section
57-La-132g
57-La-132m4
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
19
Incident Energy (MeV)
60-Nd-139


MAT 6017
(p,2p)
60-Nd-139
Radionuclide Production Cross Section
59-Pr-138g
59-Pr-138m5
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
20
60-Nd-139


MAT 6017
(p,p) α
60-Nd-139
Radionuclide Production Cross Section
58-Ce-135g
58-Ce-135m4
Cross Section (barns)
Incident Energy (MeV)
21
60-Nd-139