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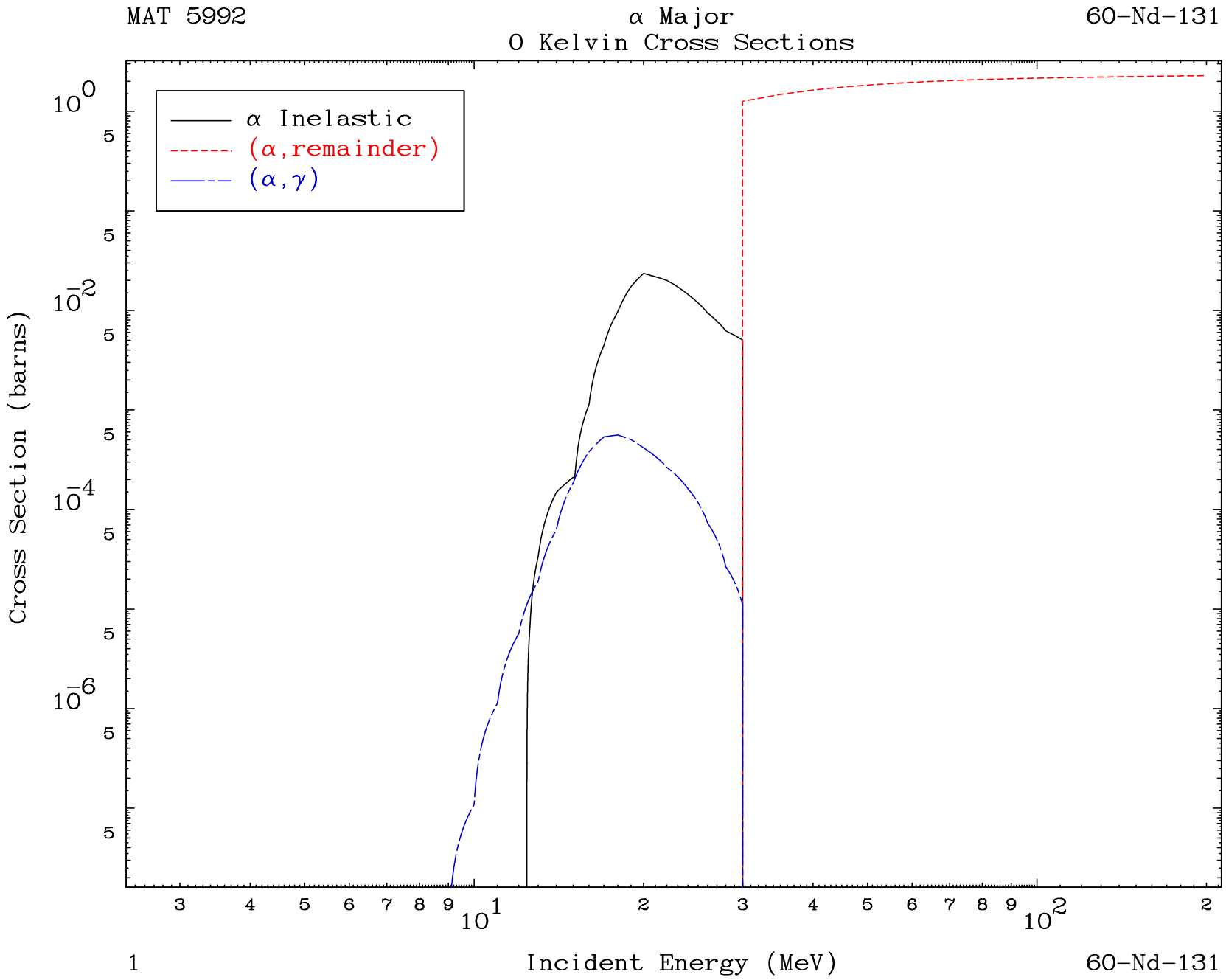
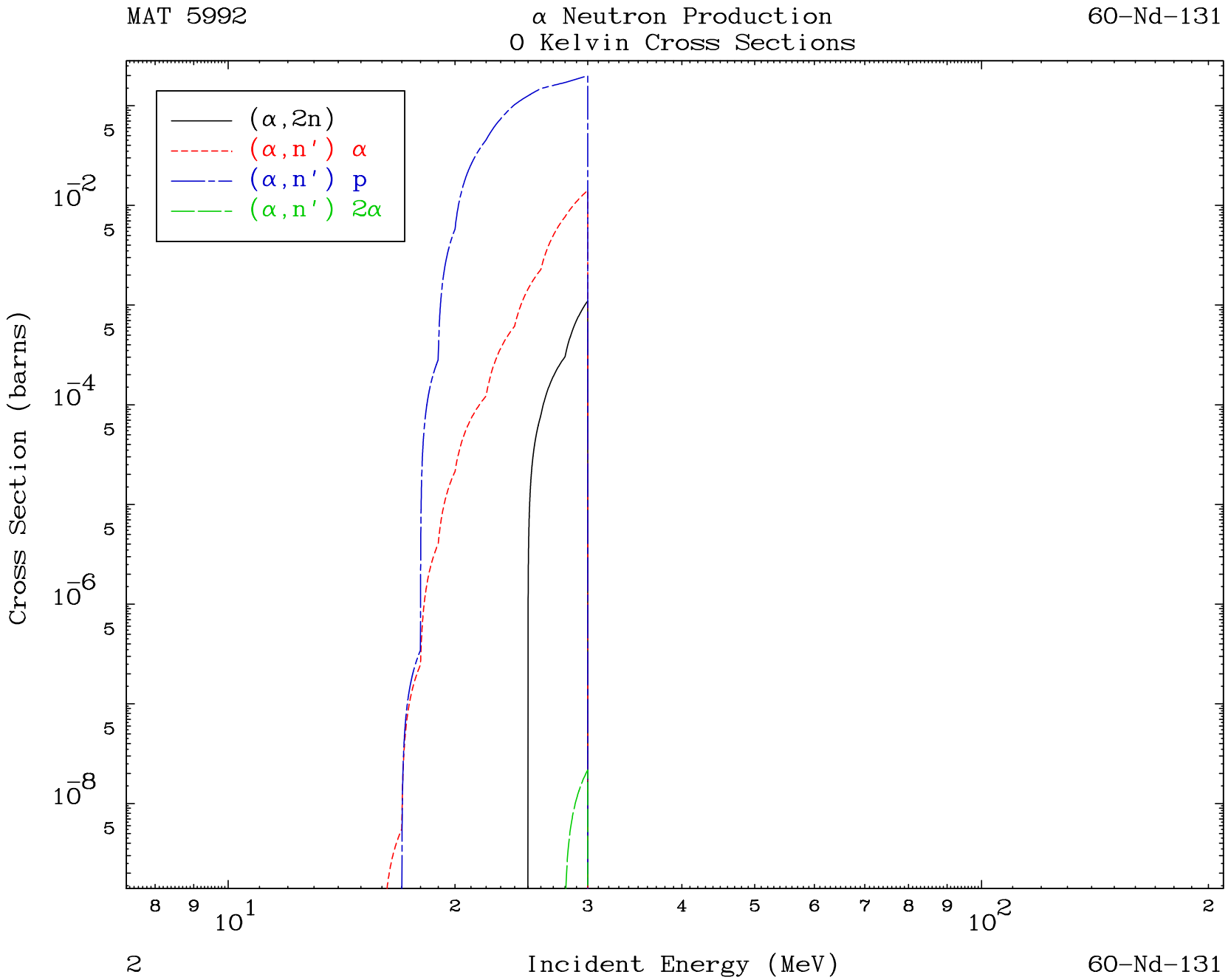
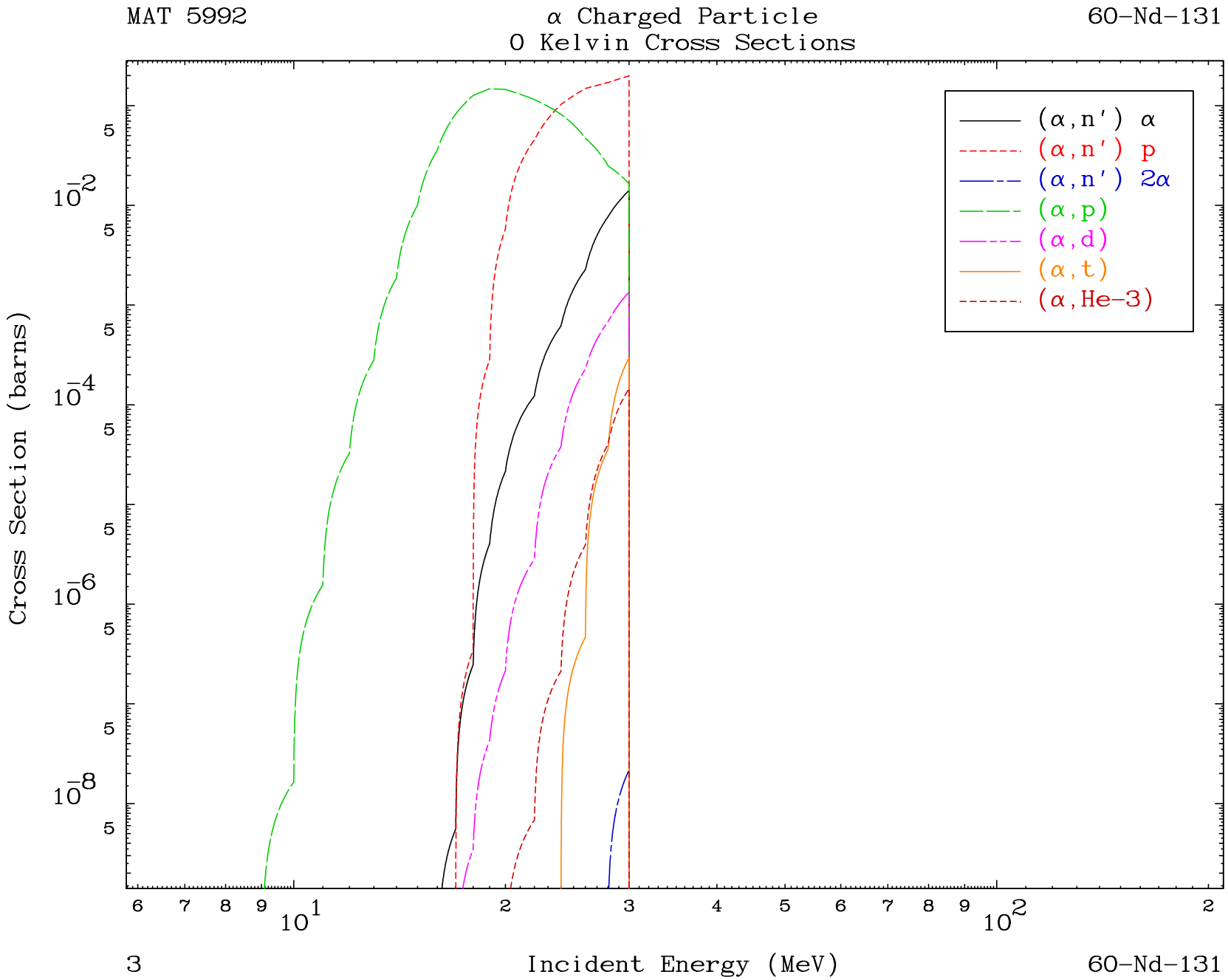
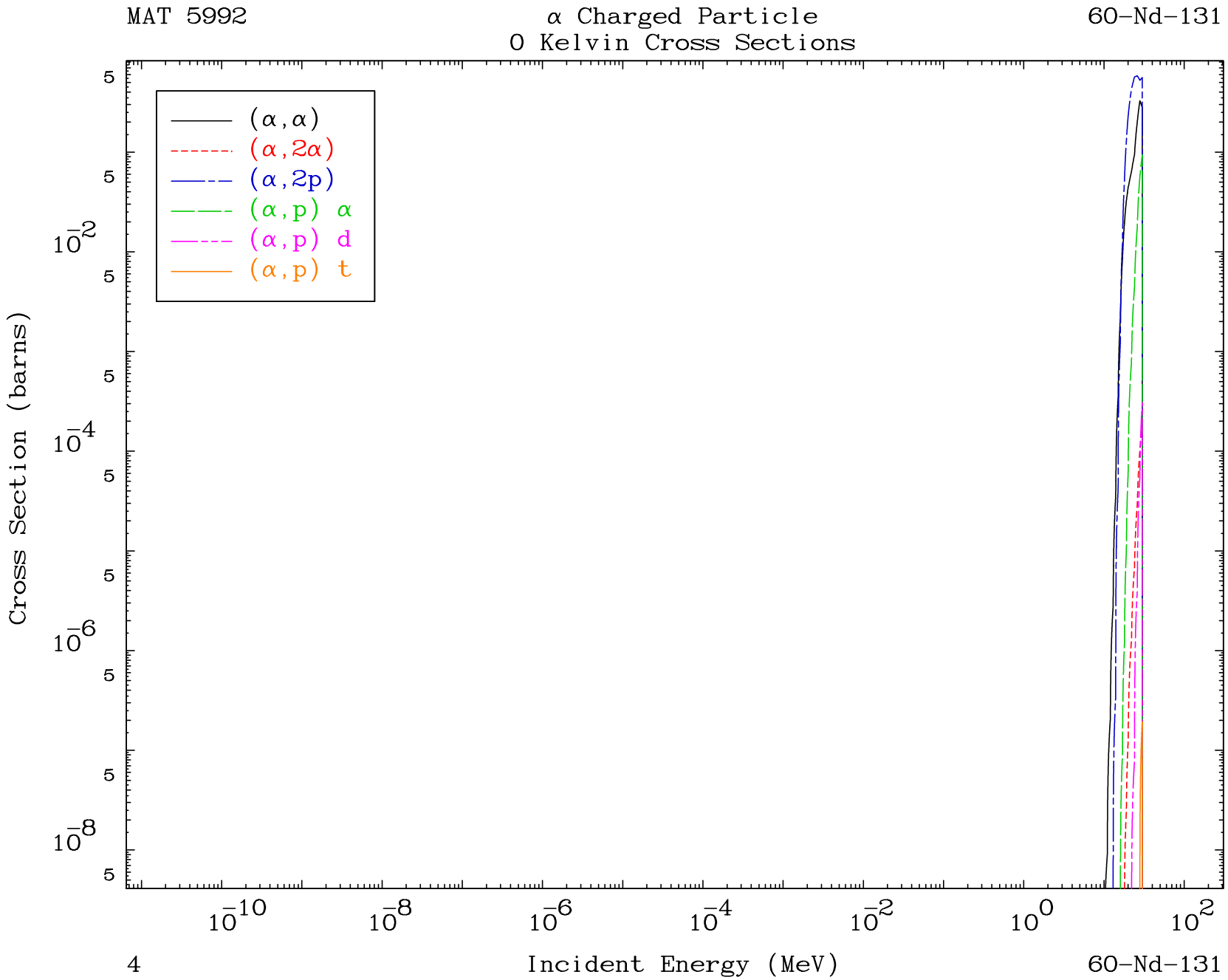
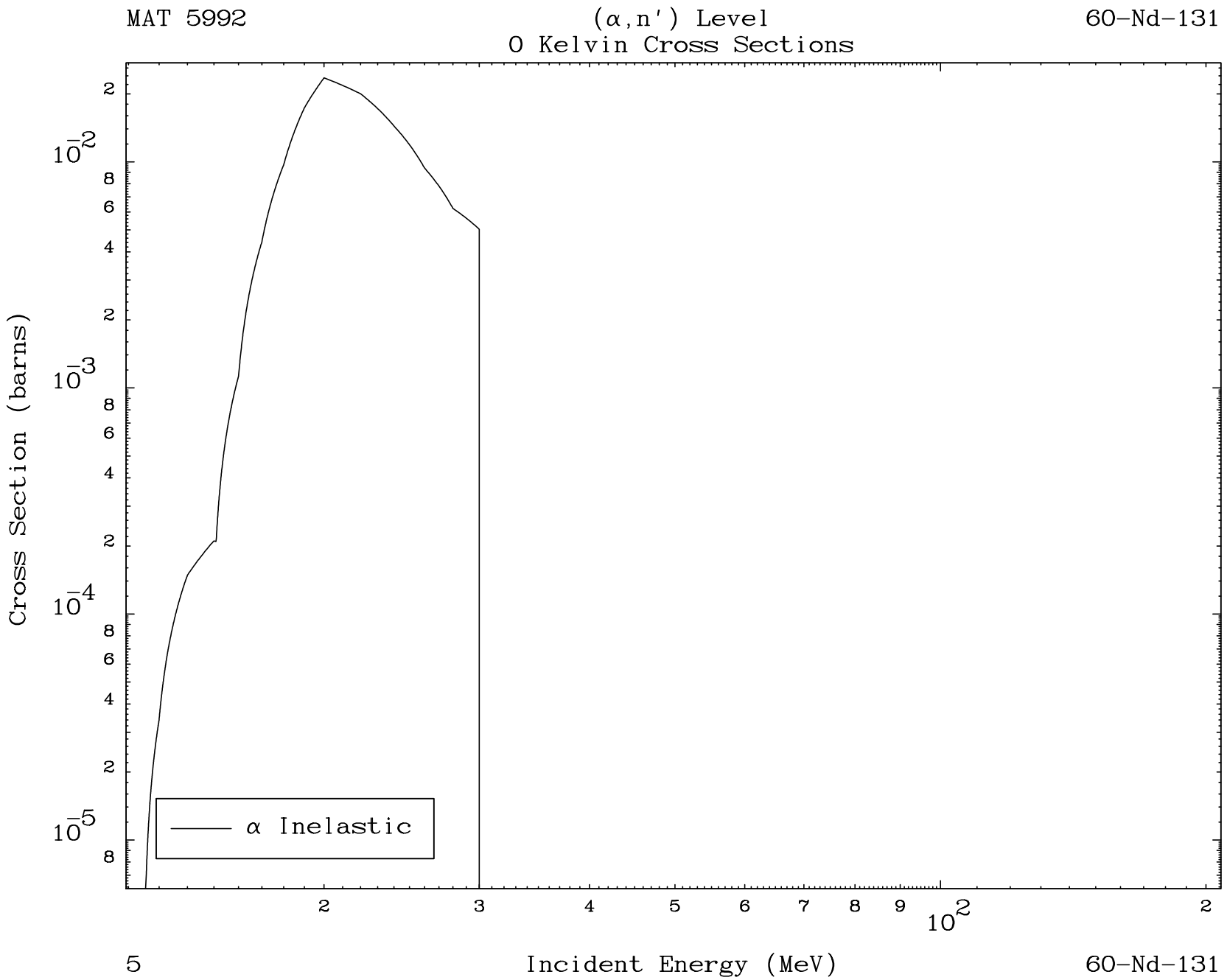
Press Mouse Button to Start

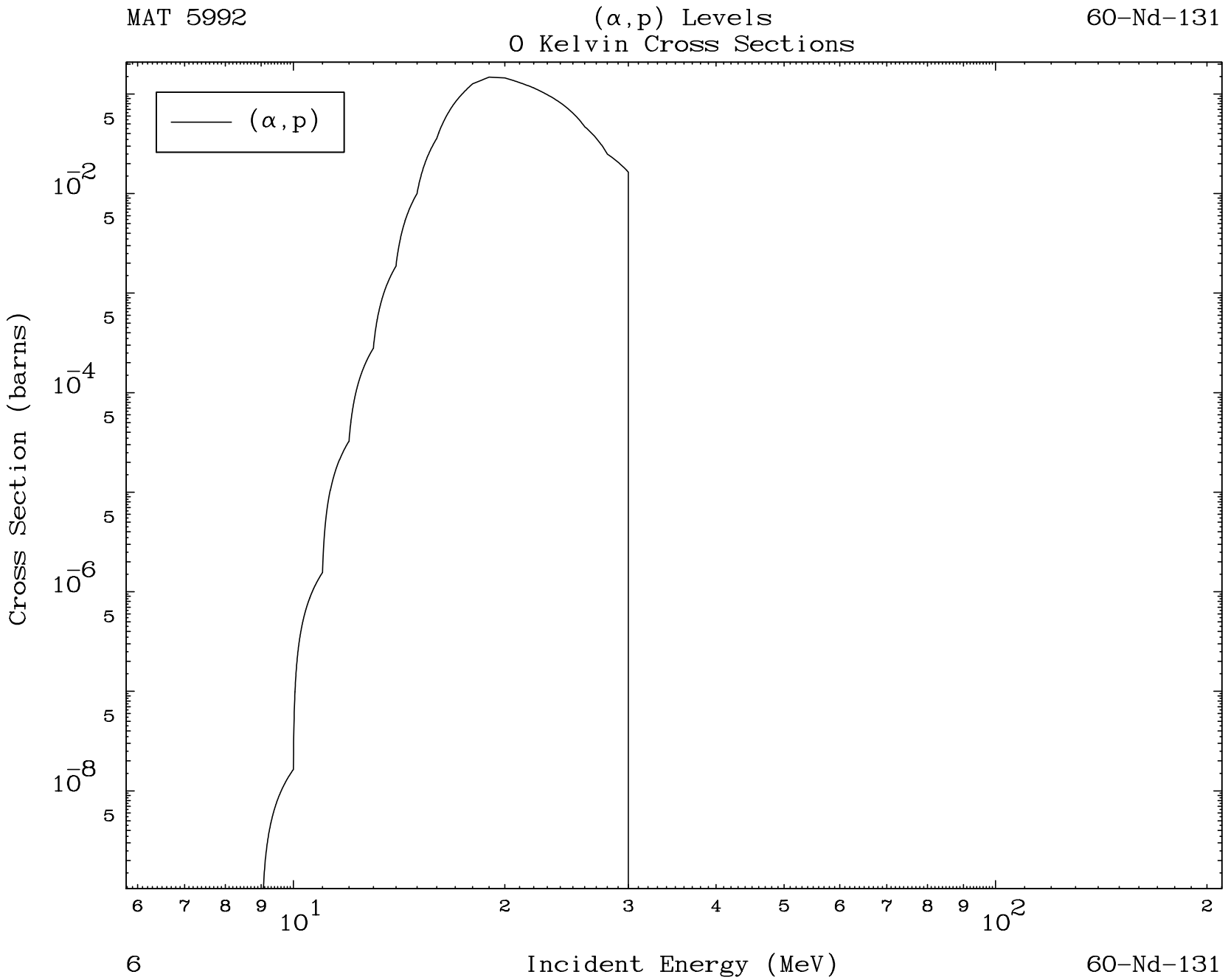

MAT 5992
α Major
60-Nd-131
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-131

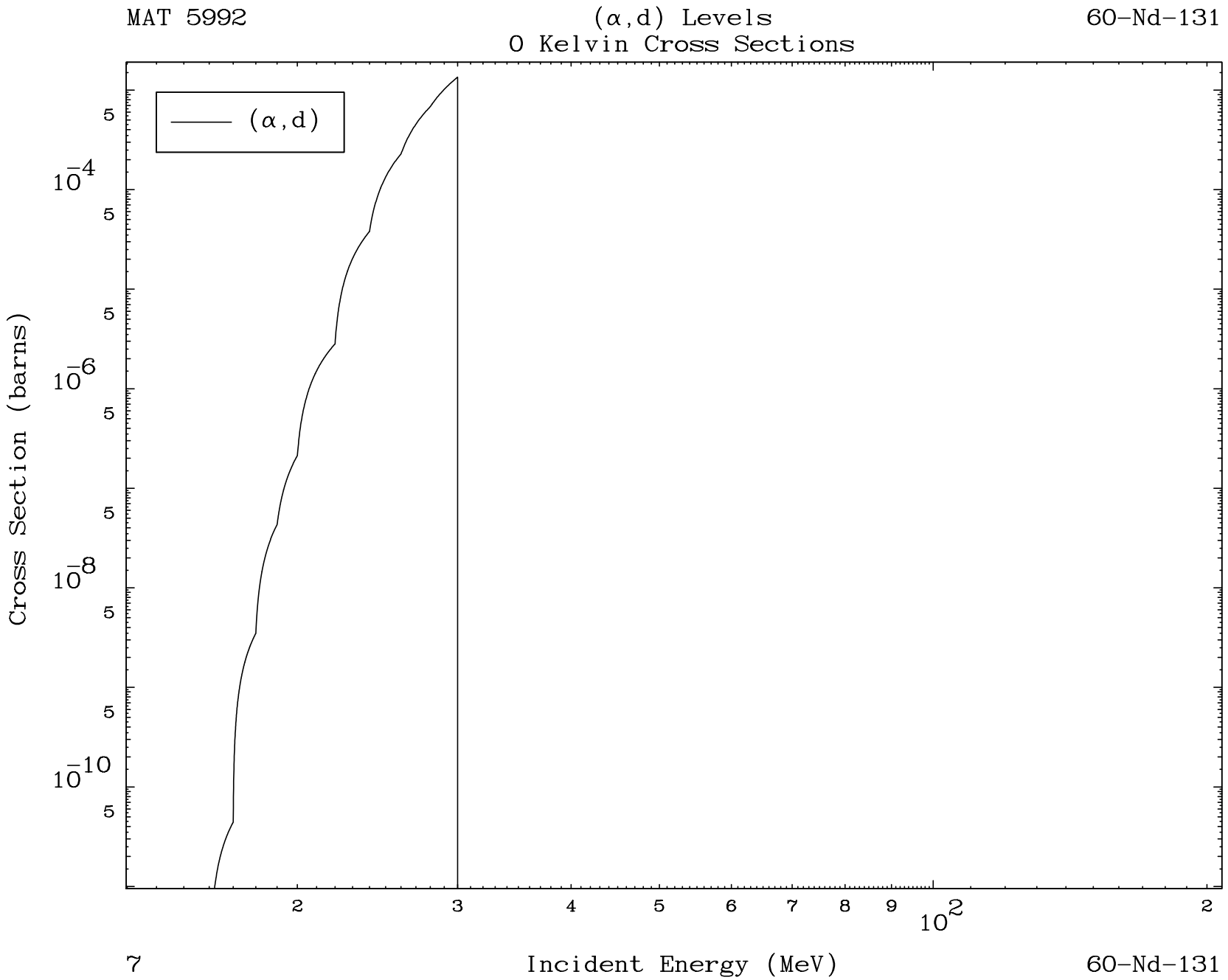

MAT 5992
α Neutron Production
0 Kelvin Cross Sections
60-Nd-131
(α,2n)
(α,n') α
(α,n') p
(α,n') 2α
Cross Section (barns)
10-2
10-4
10-6
10-8
5
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
60-Nd-131

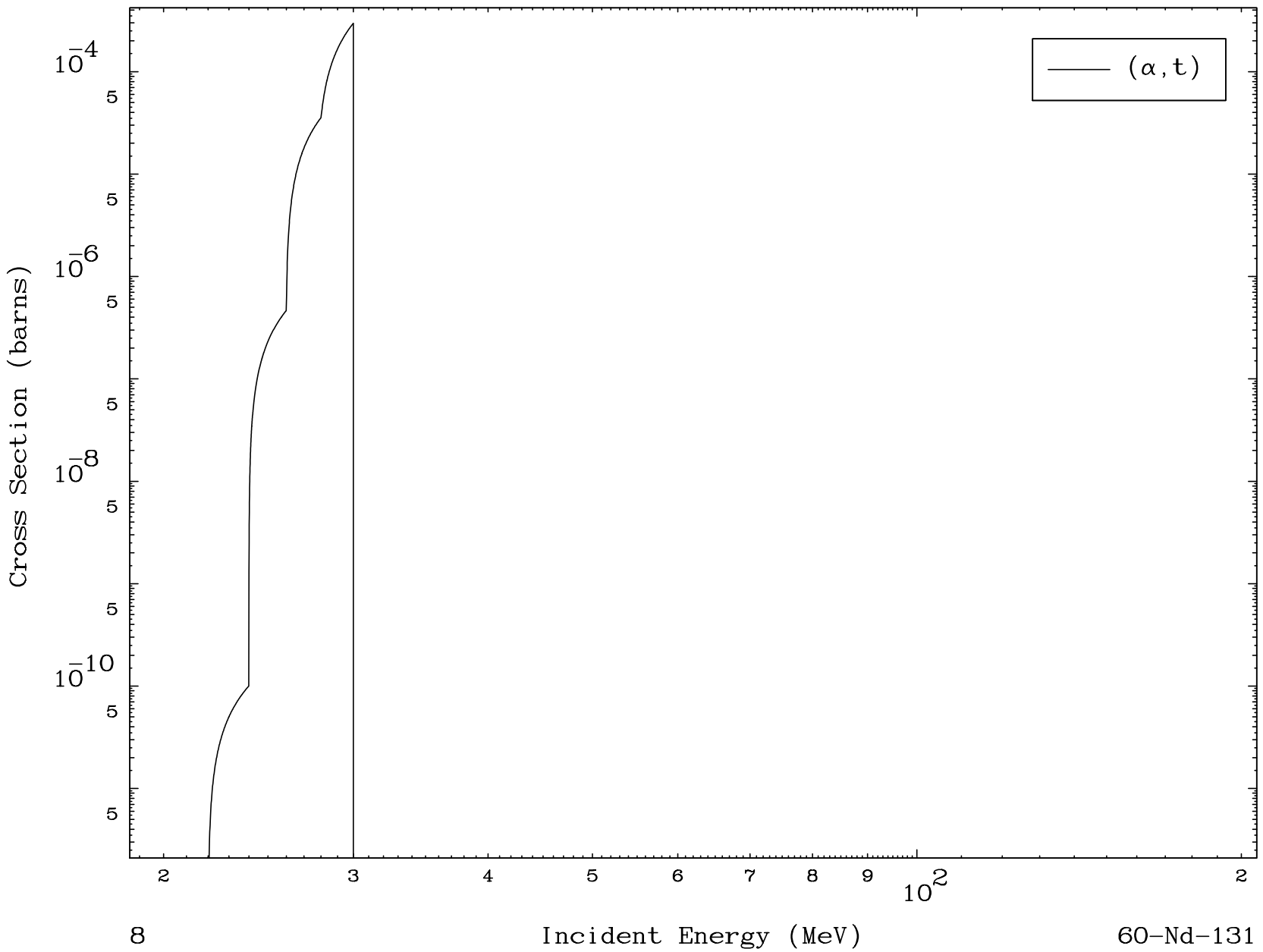

MAT 5992
α Charged Particle
0 Kelvin Cross Sections
60-Nd-131
Cross Section (barns)
10-2
10-4
10-6
10-8
(α,n') α
(α,n') p
(α,n') 2α
(α,p)
(α,d)
(α,t)
(α,He-3)
6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
3
60-Nd-131

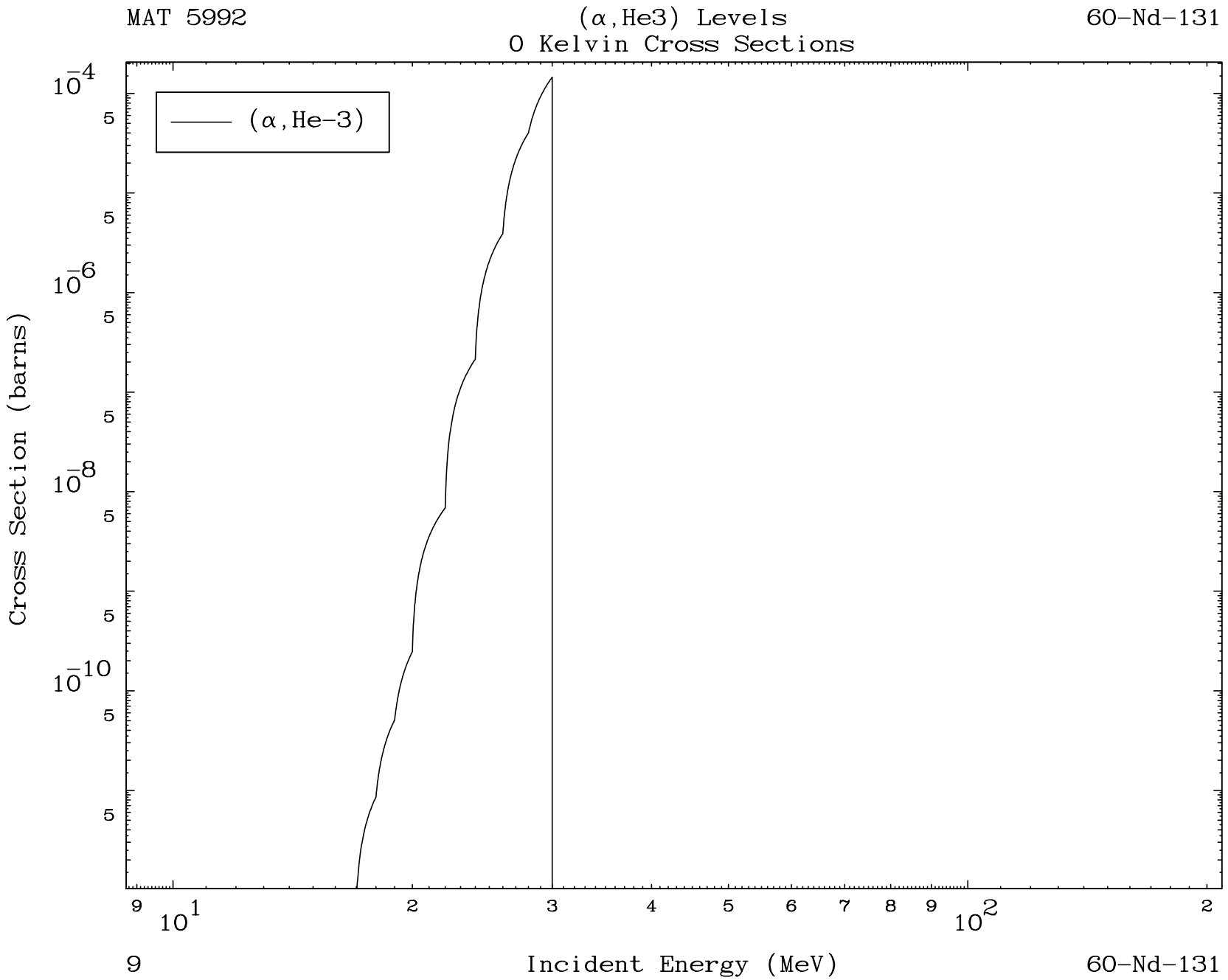

MAT 5992
α Charged Particle
0 Kelvin Cross Sections
60-Nd-131
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
60-Nd-131

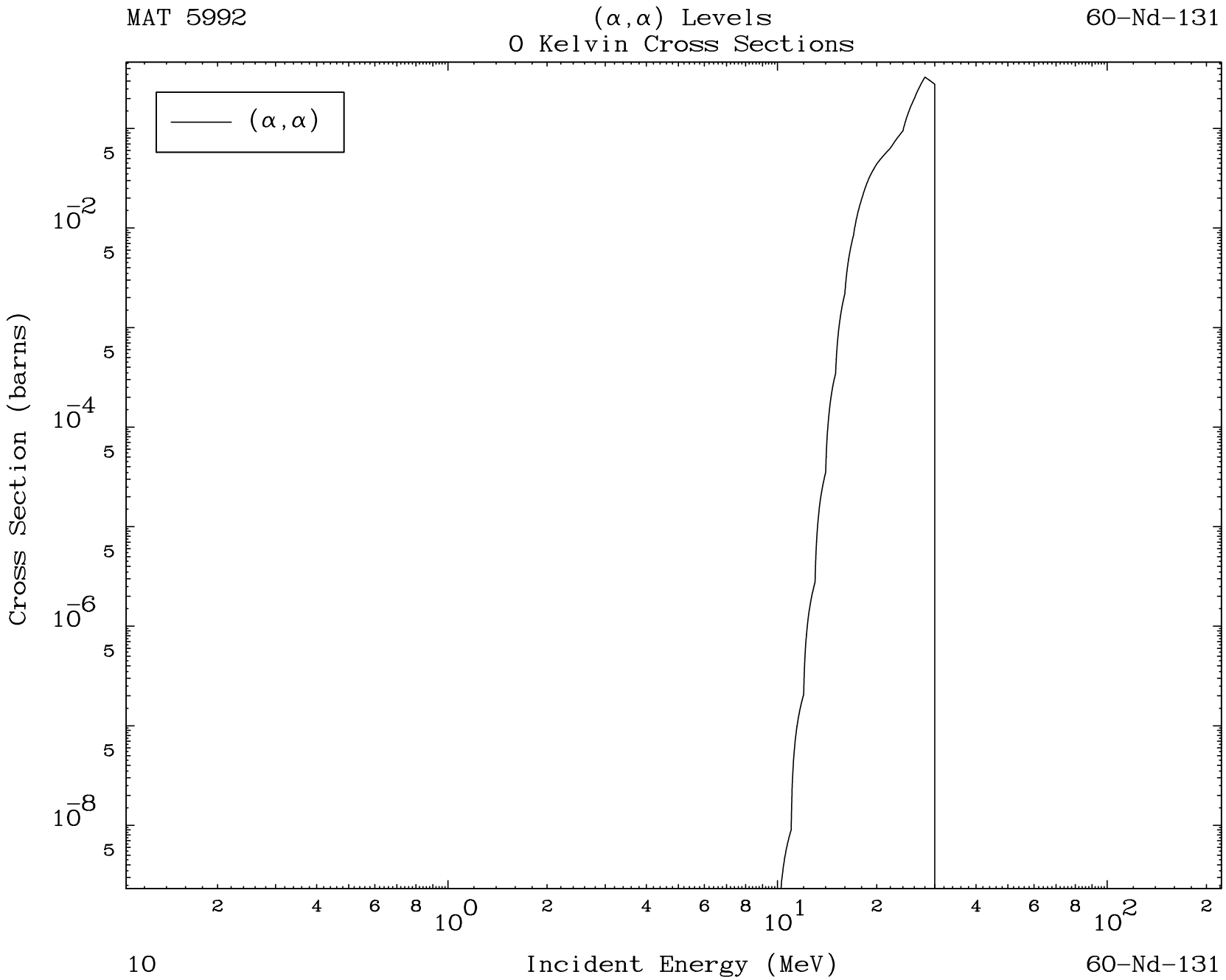

MAT 5992
(α,n') Level
60-Nd-131
0 Kelvin Cross Sections
Cross Section (barns)
10-2
10-3
10-4
10-5
α Inelastic
2
3
4
5
6
7
8
9
10^2
Incident Energy (MeV)
5
60-Nd-131

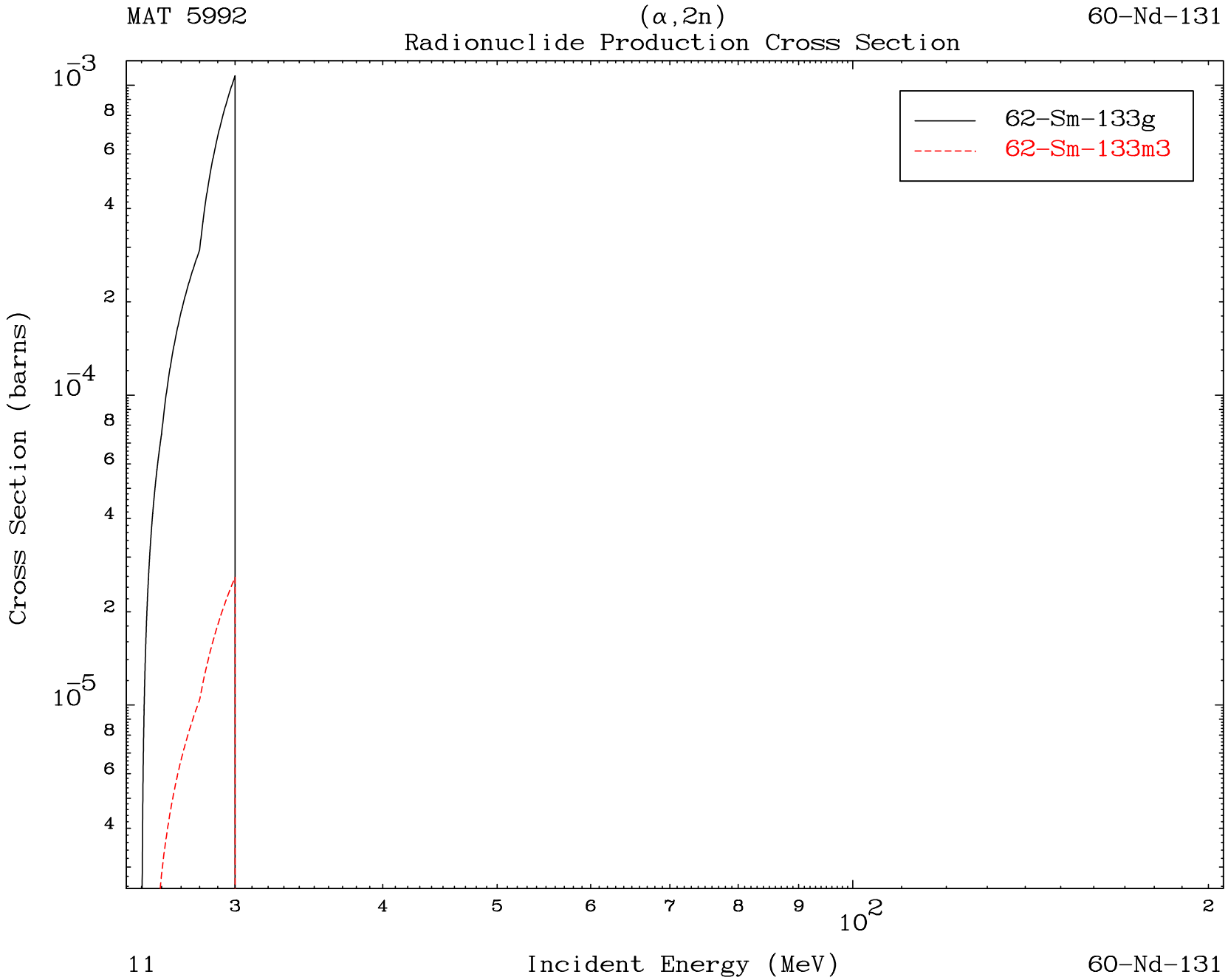

MAT 5992
(α,p) Levels
60-Nd-131
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
10^1
10^2
6
60-Nd-131

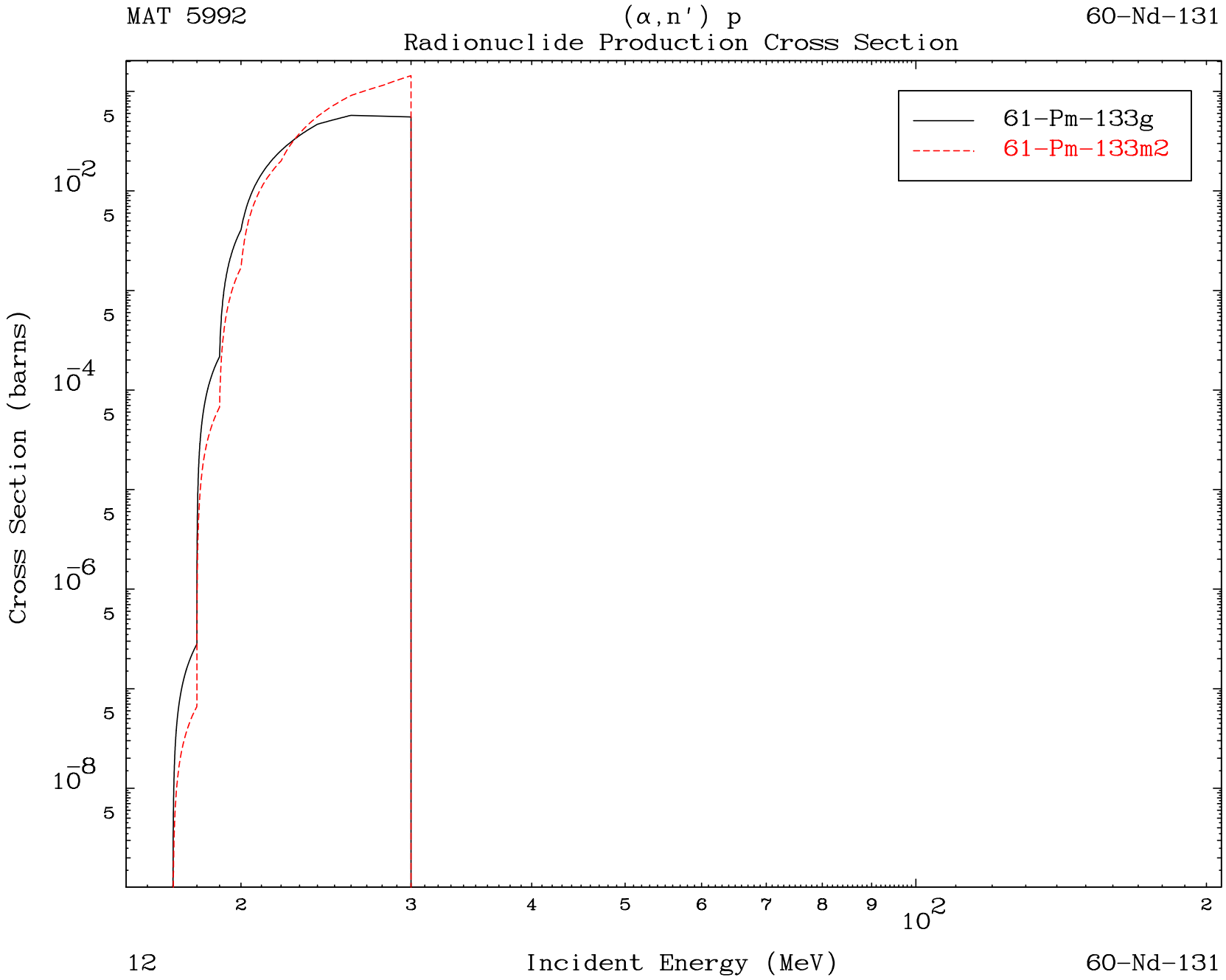

MAT 5992
(α,d) Levels
60-Nd-131
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
60-Nd-131

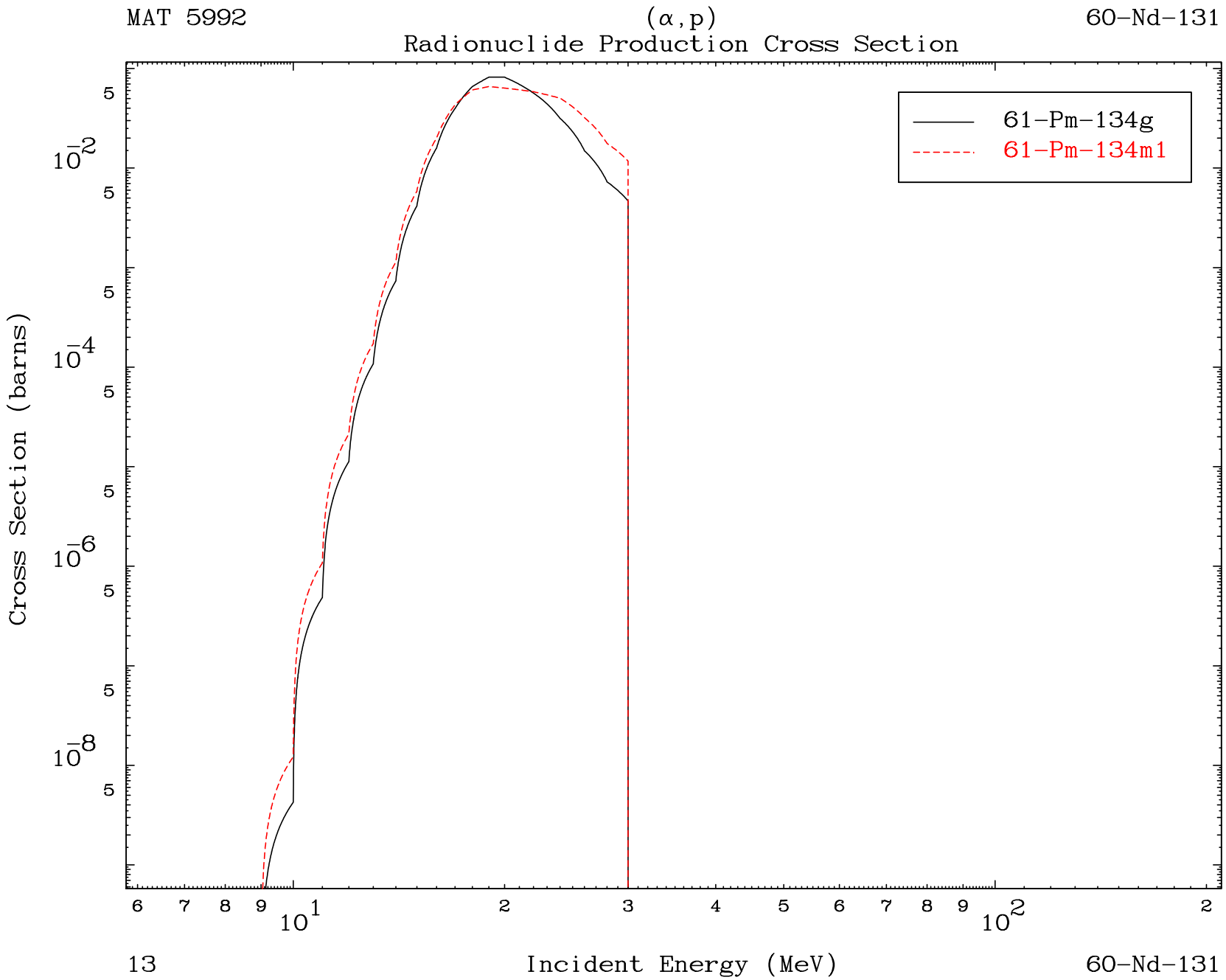

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

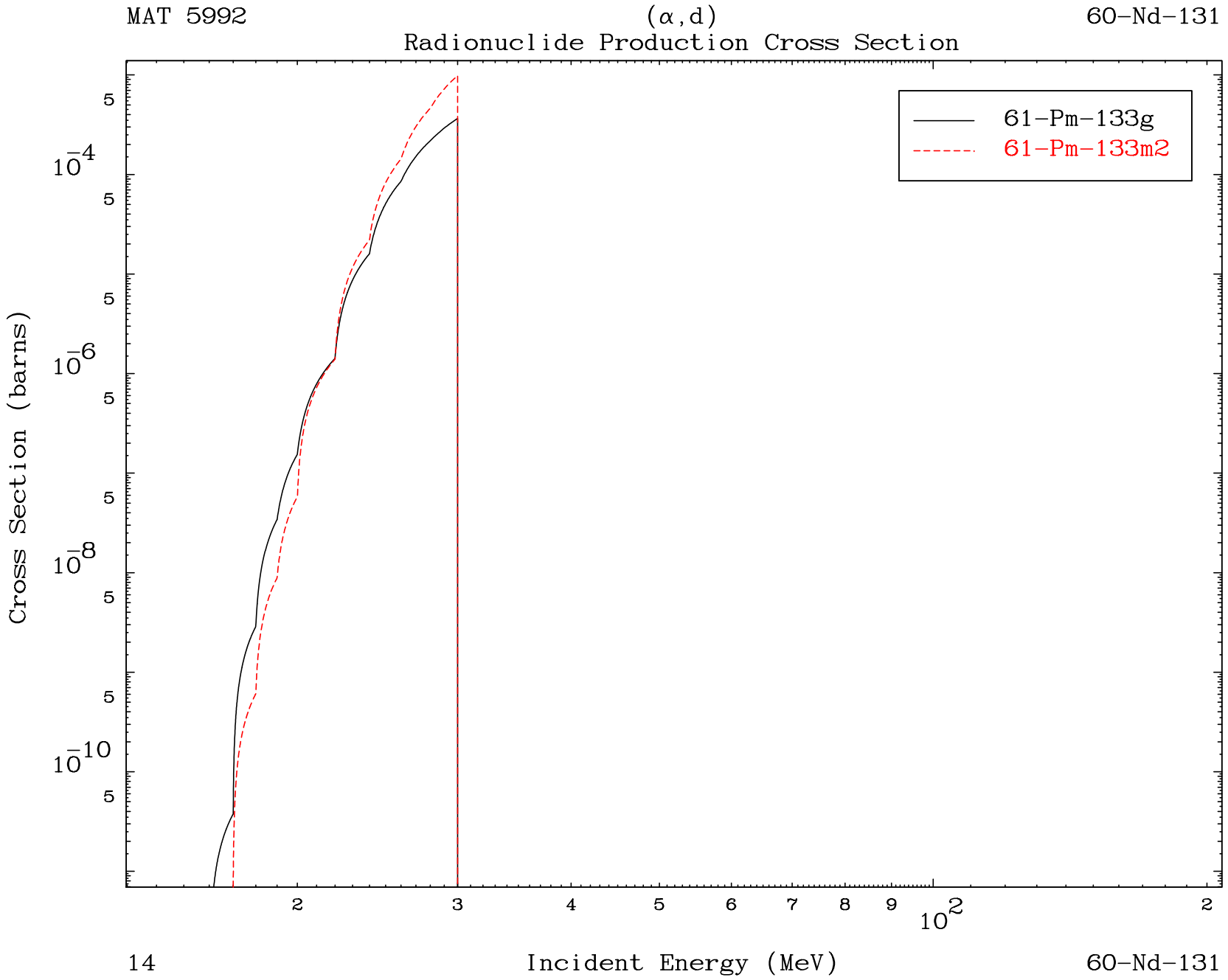

MAT 5992
(α,He3) Levels
60-Nd-131
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
60-Nd-131
9

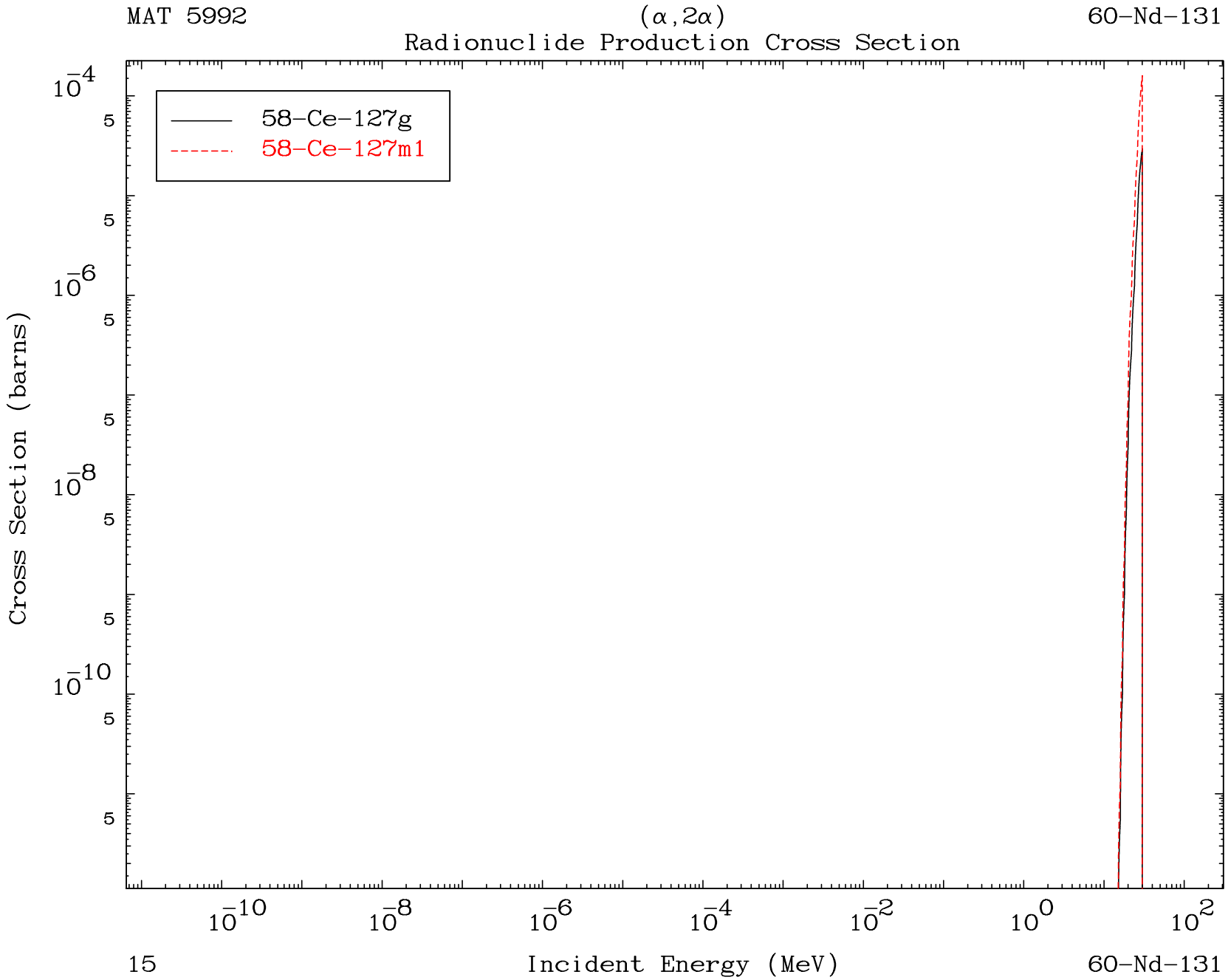

MAT 5992
(α,α) Levels
60-Nd-131
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
60-Nd-131

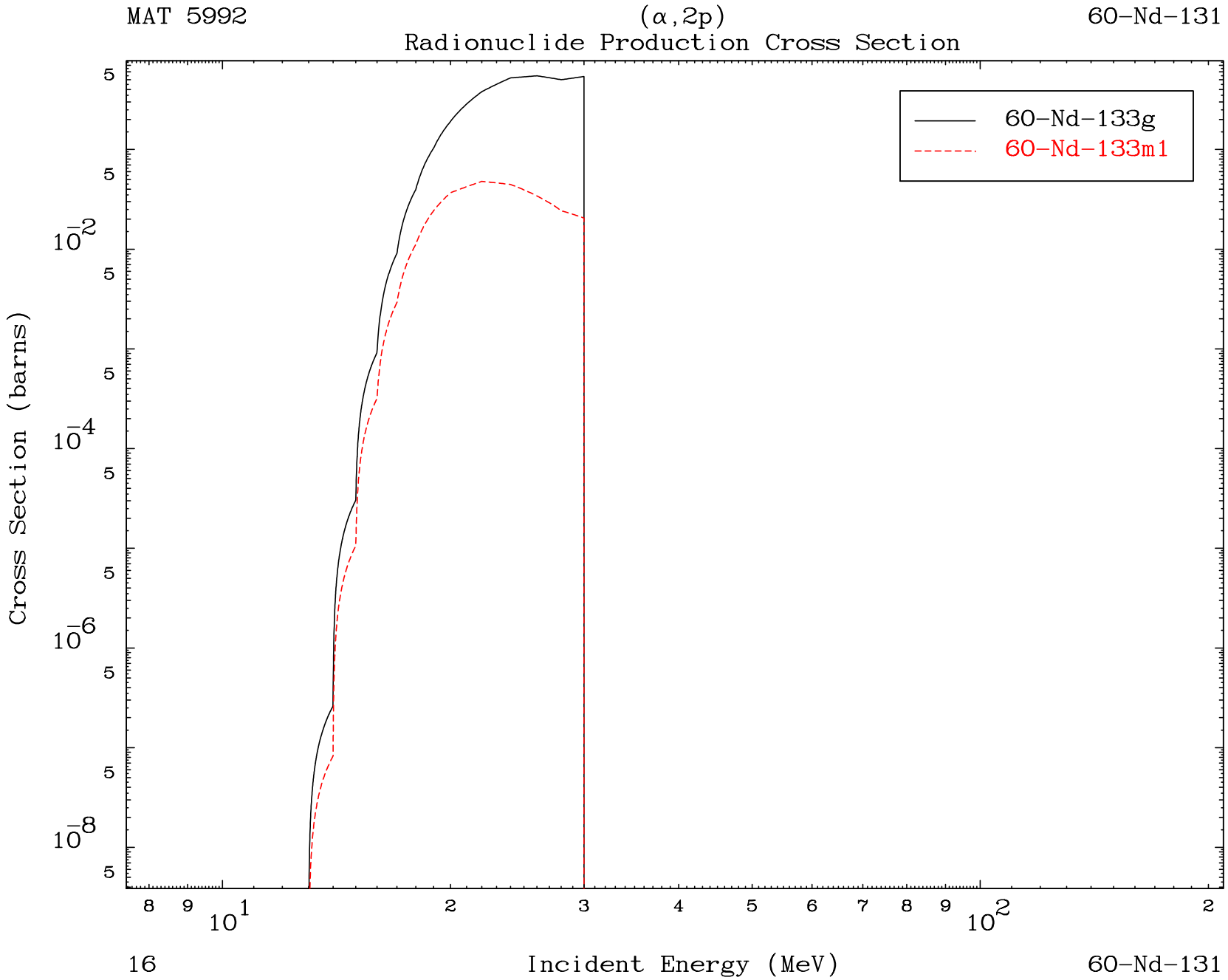

MAT 5992
(α,2n)
60-Nd-131
Radionuclide Production Cross Section
62-Sm-133g
62-Sm-133m3
Cross Section (barns)
10-3
10-4
10-5
8
6
4
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
60-Nd-131


MAT 5992
(α,n') p
60-Nd-131
Radionuclide Production Cross Section
61-Pm-133g
61-Pm-133m2
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
60-Nd-131


MAT 5992
(α,p)
60-Nd-131
Radionuclide Production Cross Section
61-Pm-134g
61-Pm-134m1
Cross Section (barns)
10-2
10-4
10-6
10-8
10 1
10 2
Incident Energy (MeV)
13
60-Nd-131


MAT 5992
(α,d)
60-Nd-131
Radionuclide Production Cross Section
61-Pm-133g
61-Pm-133m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
60-Nd-131


MAT 5992
(α,2α)
60-Nd-131
Radionuclide Production Cross Section
58-Ce-127g
58-Ce-127m1
Cross Section (barns)
Incident Energy (MeV)
15
60-Nd-131


MAT 5992
(α,2p)
60-Nd-131
Radionuclide Production Cross Section
60-Nd-133g
60-Nd-133m1
Cross Section (barns)
Incident Energy (MeV)
16
60-Nd-131