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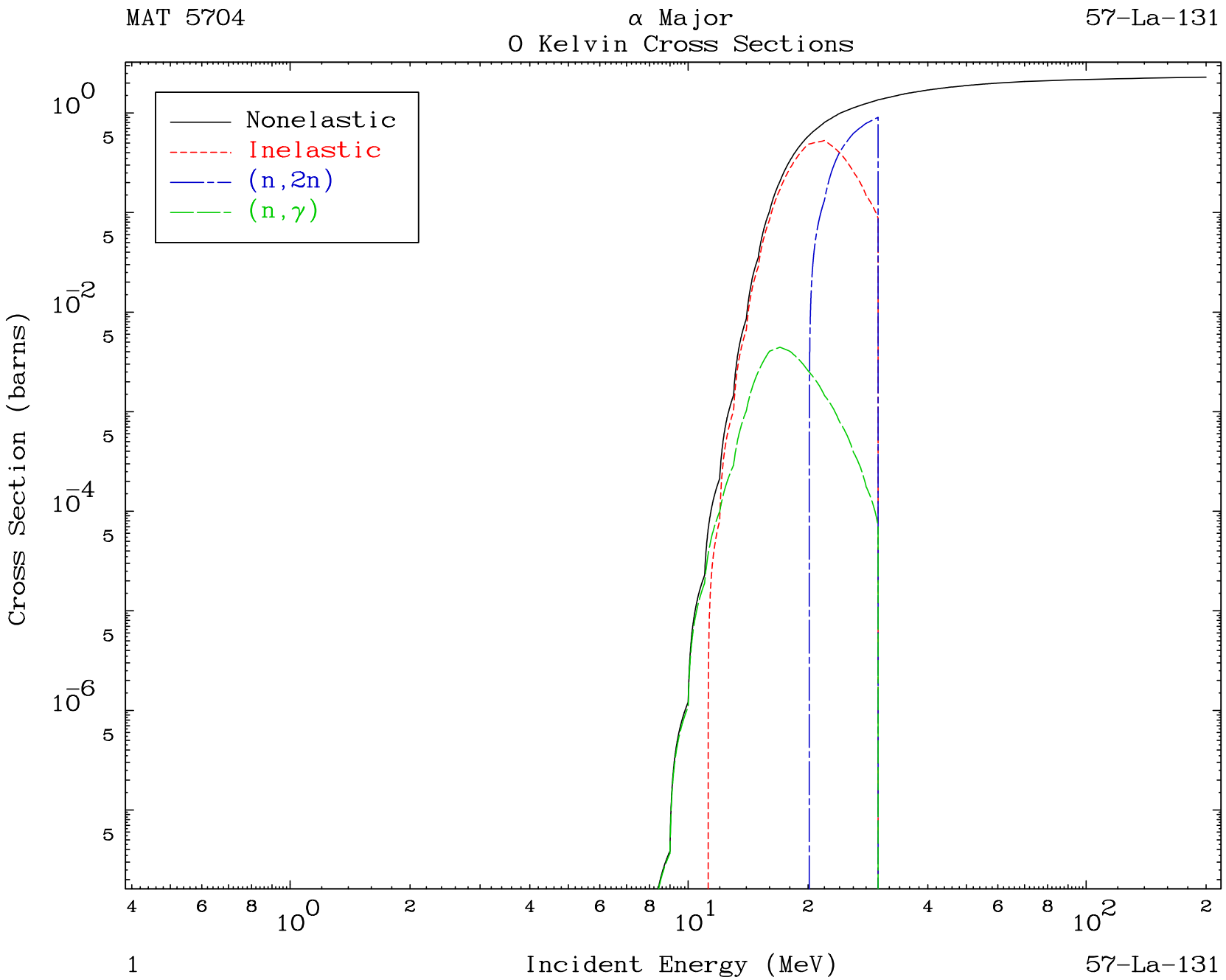
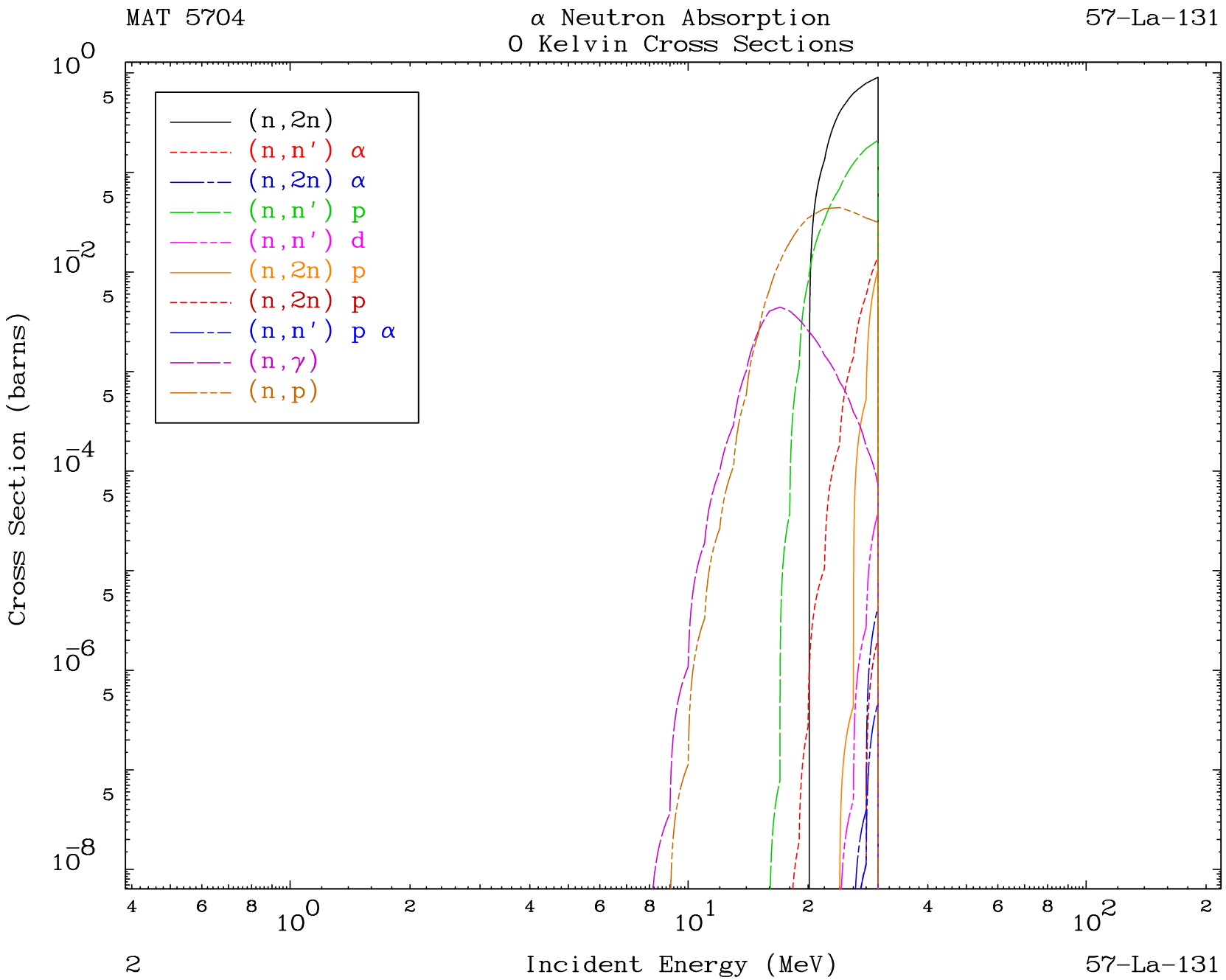
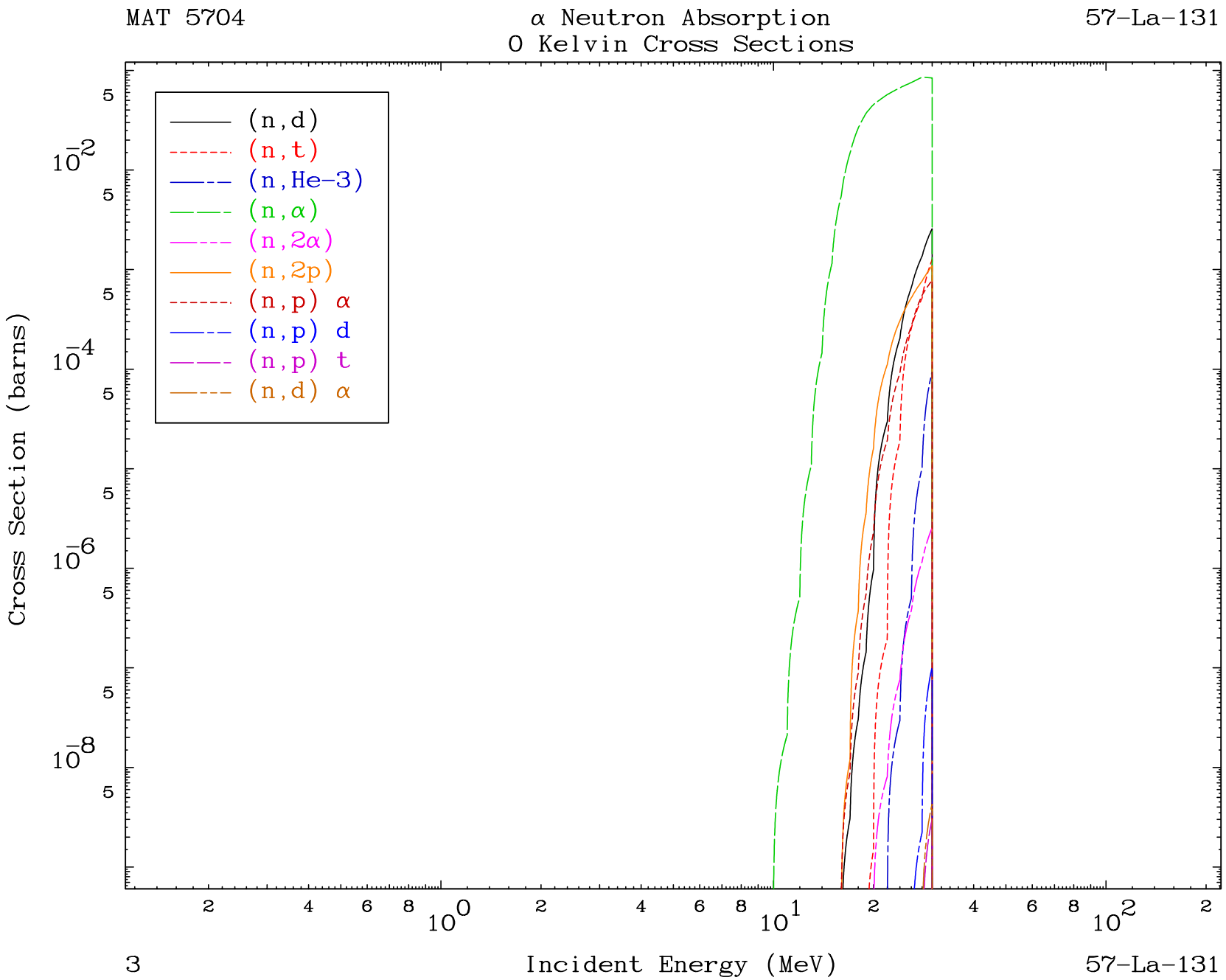
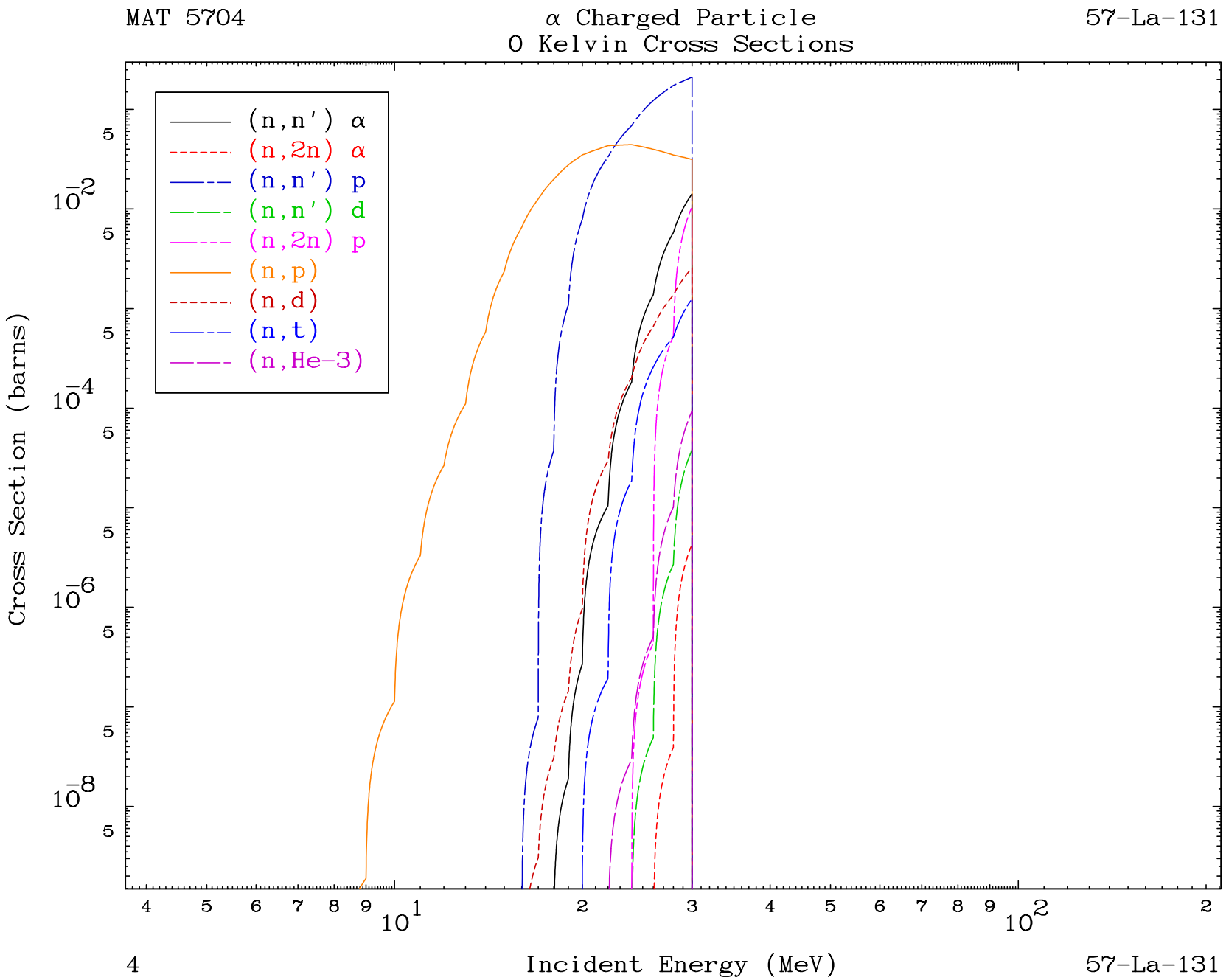
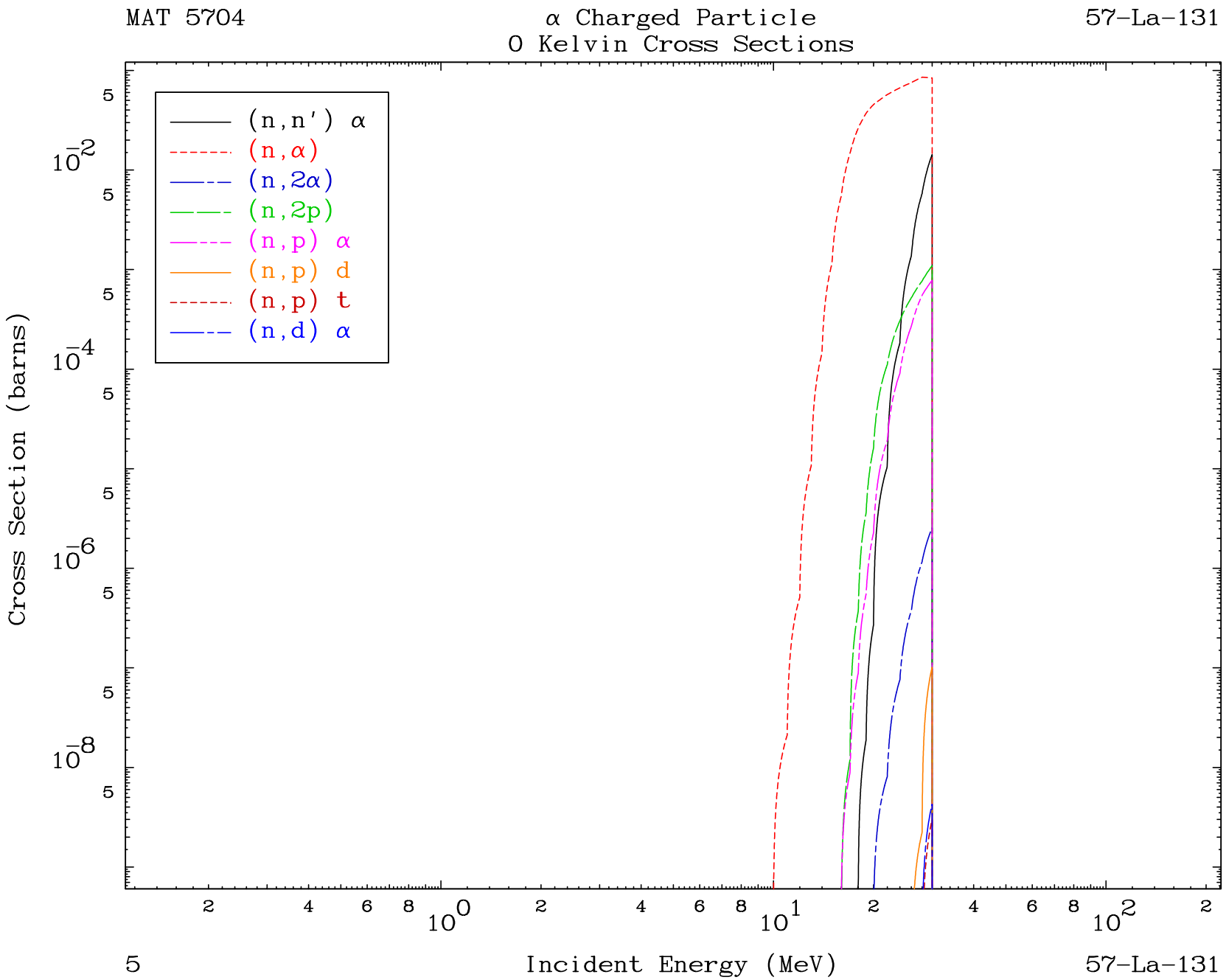
Press Mouse Button to Start

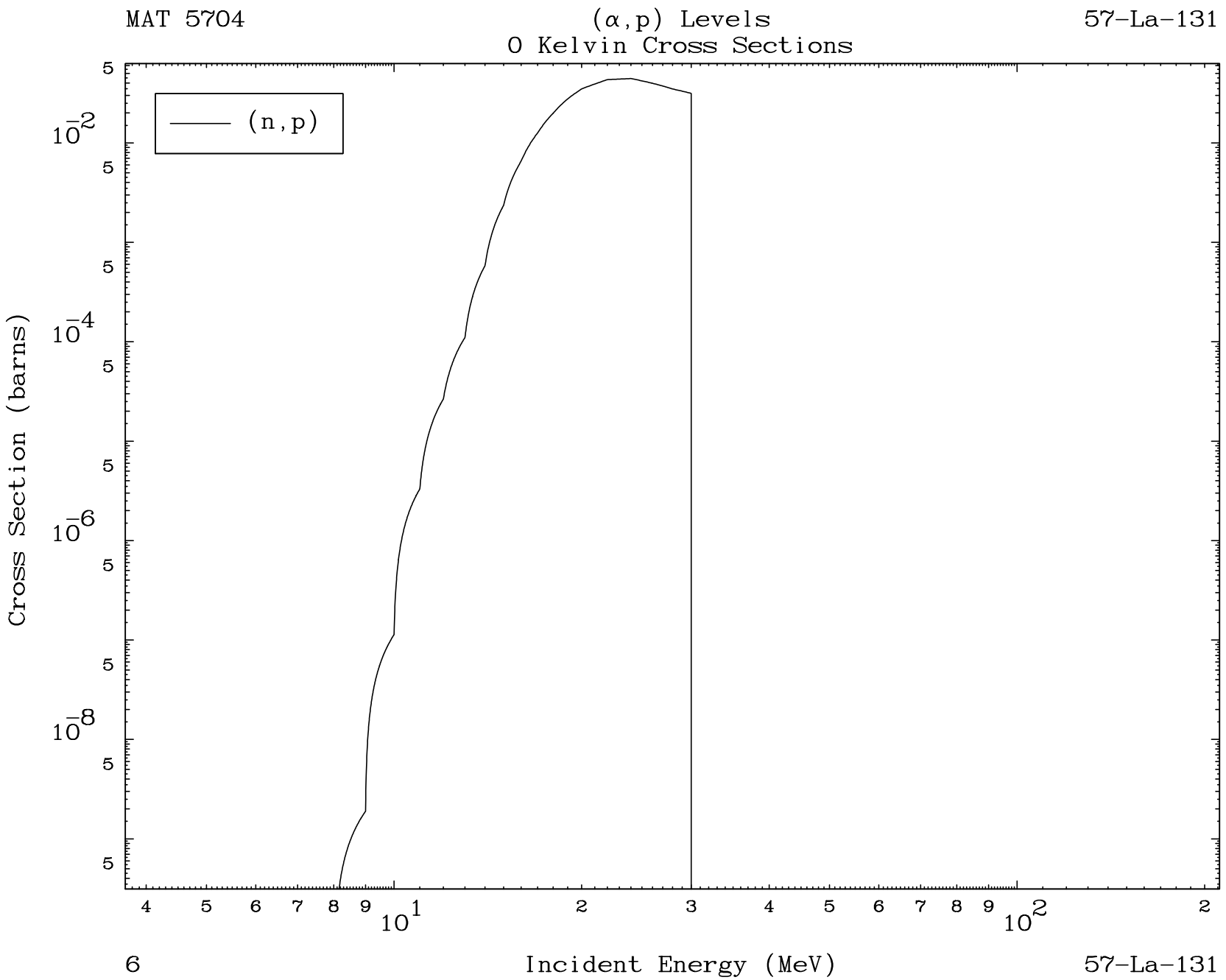

MAT 5704
α Major
57-La-131
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
57-La-131

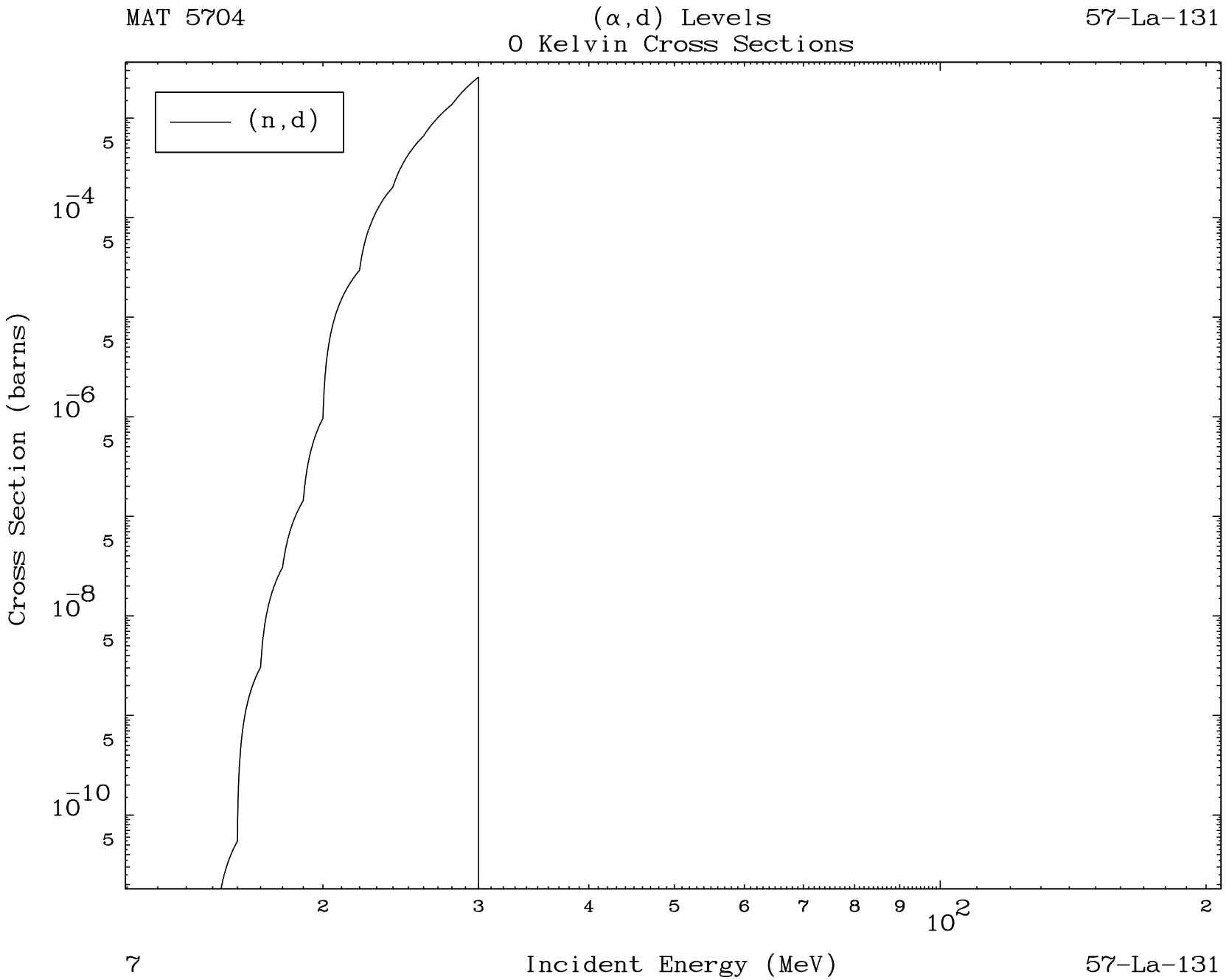

MAT 5704
α Neutron Absorption
0 Kelvin Cross Sections
57-La-131
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
57-La-131

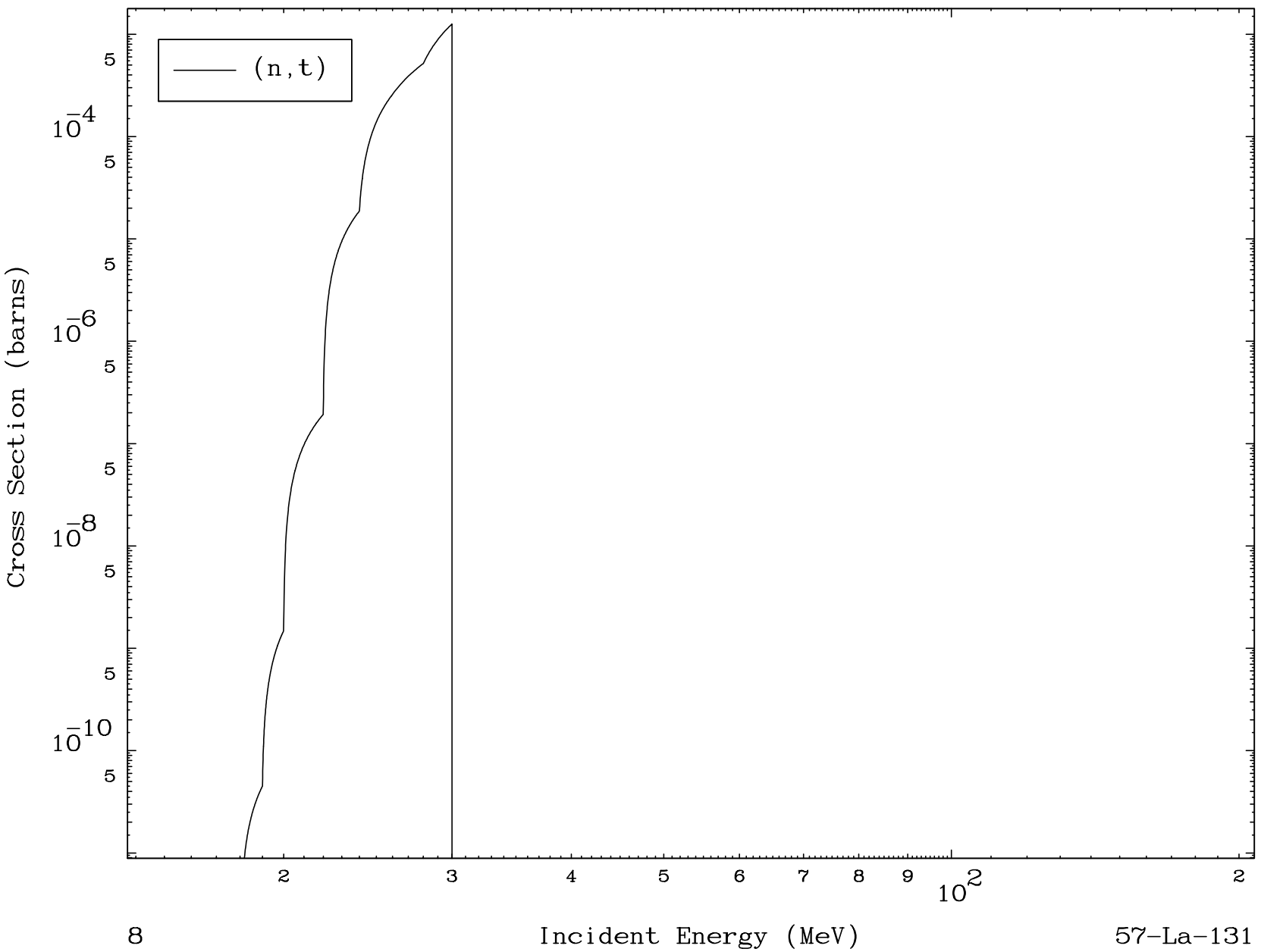

MAT 5704
α Neutron Absorption
0 Kelvin Cross Sections
57-La-131
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
57-La-131

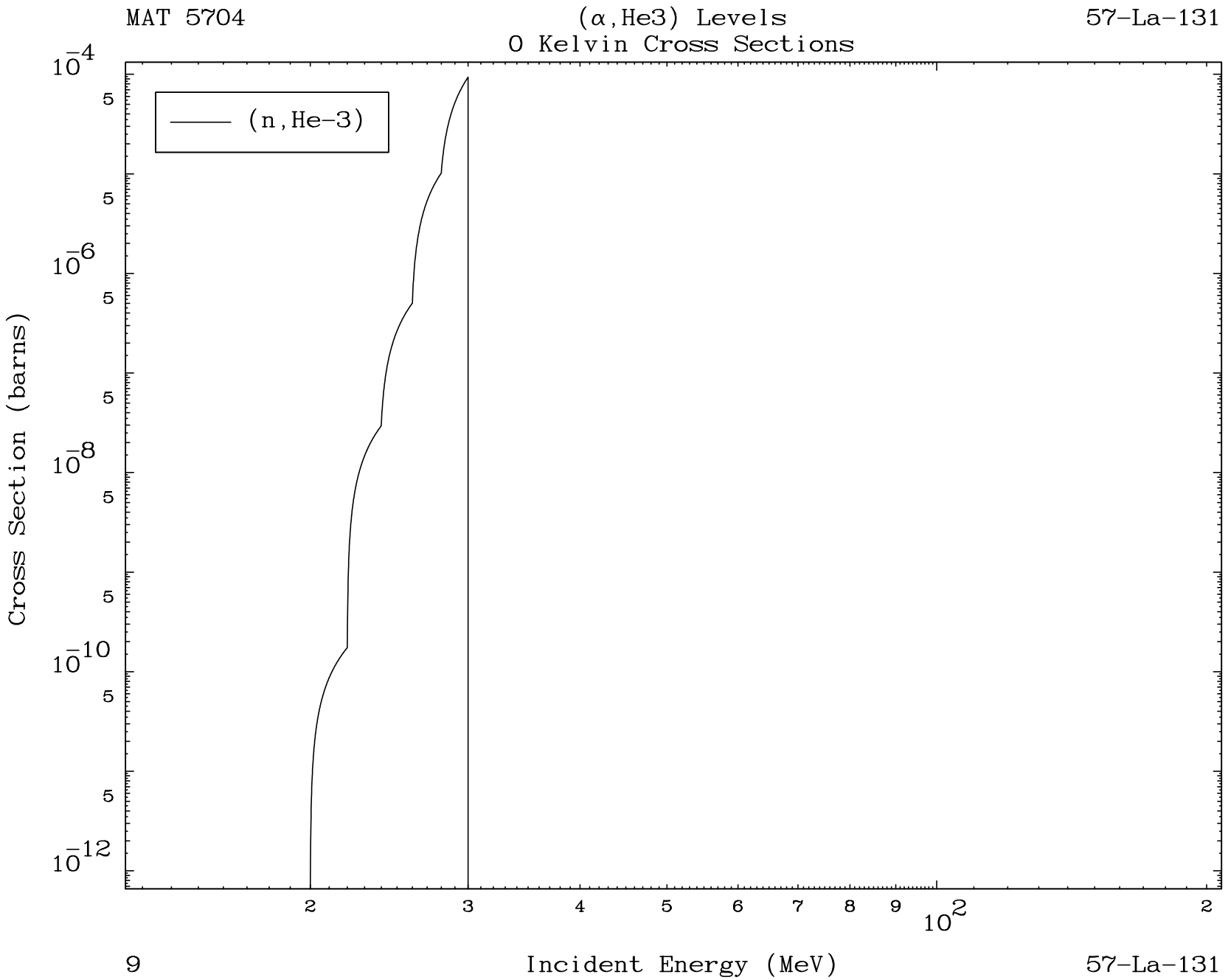

MAT 5704
α Charged Particle
0 Kelvin Cross Sections
57-La-131
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
4
57-La-131

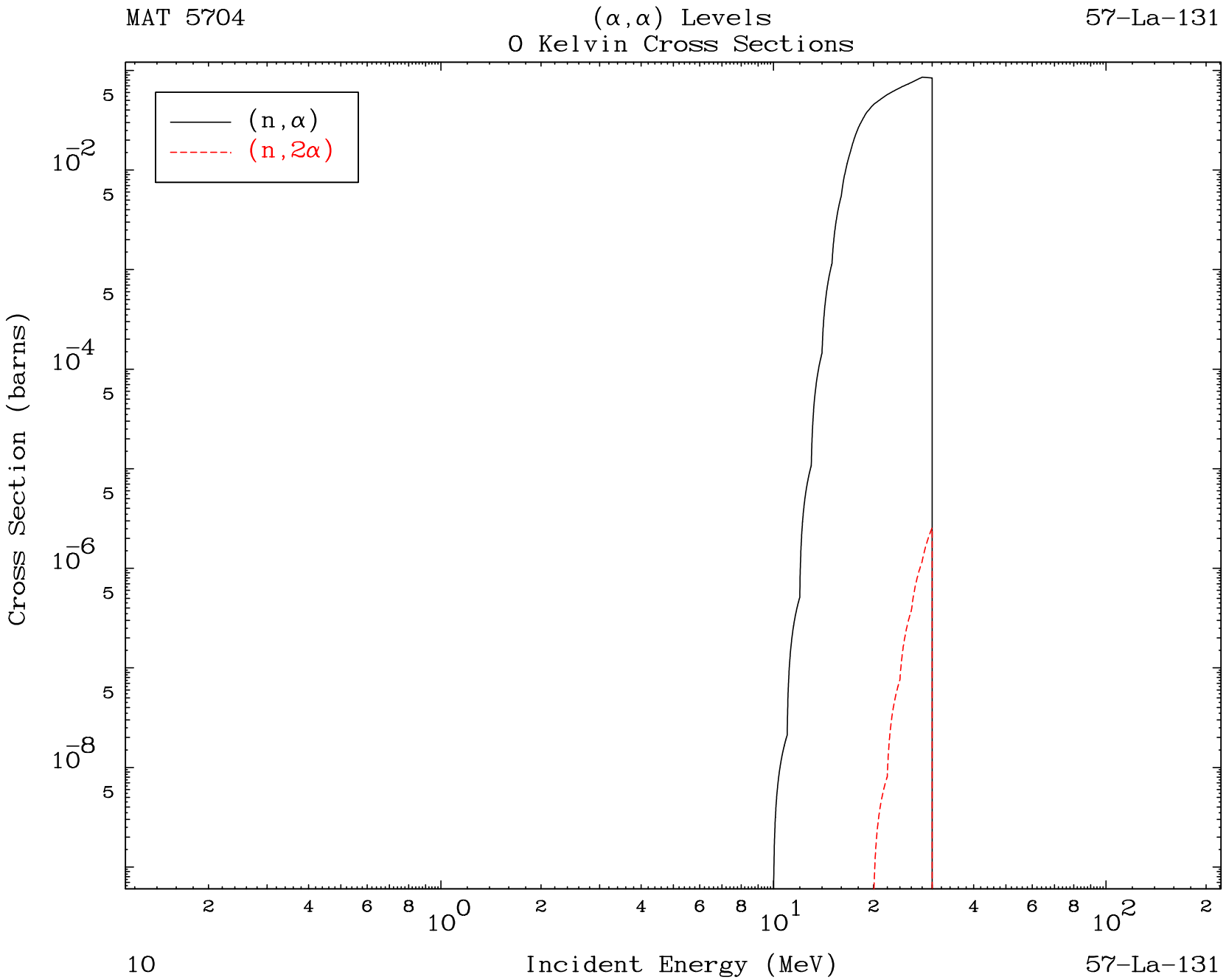

MAT 5704
α Charged Particle
0 Kelvin Cross Sections
57-La-131
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
57-La-131
5

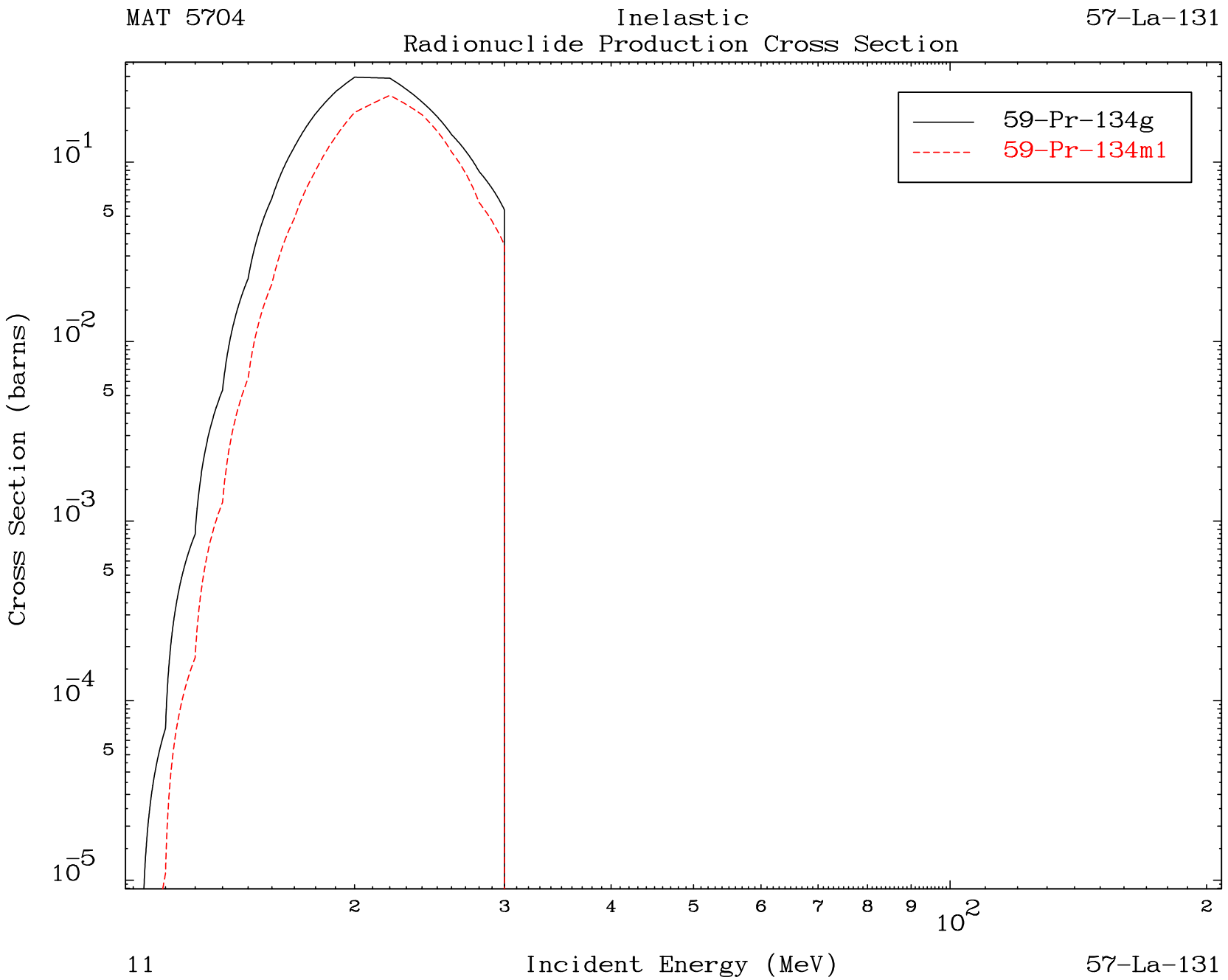

MAT 5704
(α,p) Levels
57-La-131
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
6
57-La-131

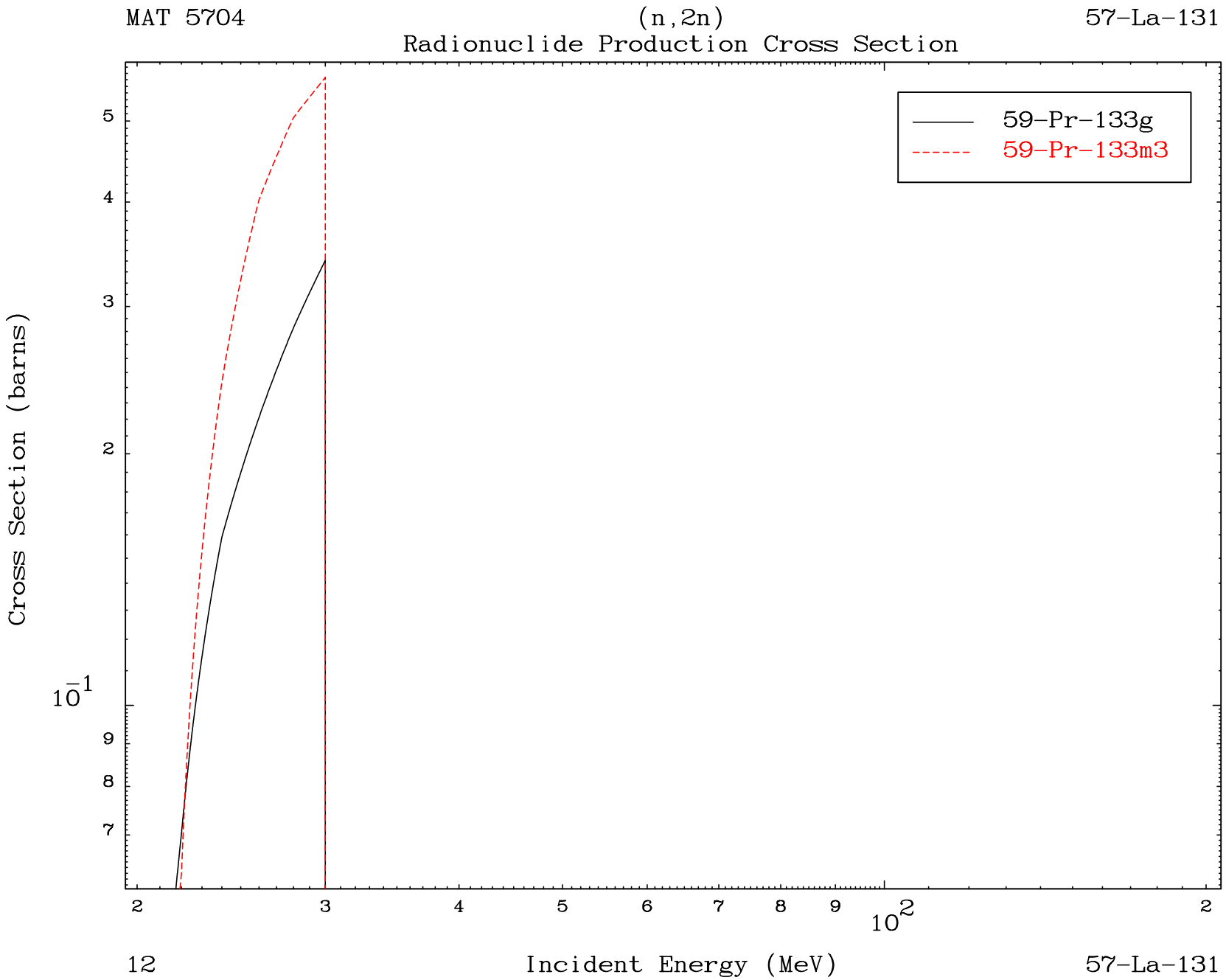

MAT 5704
(α,d) Levels
57-La-131
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
57-La-131

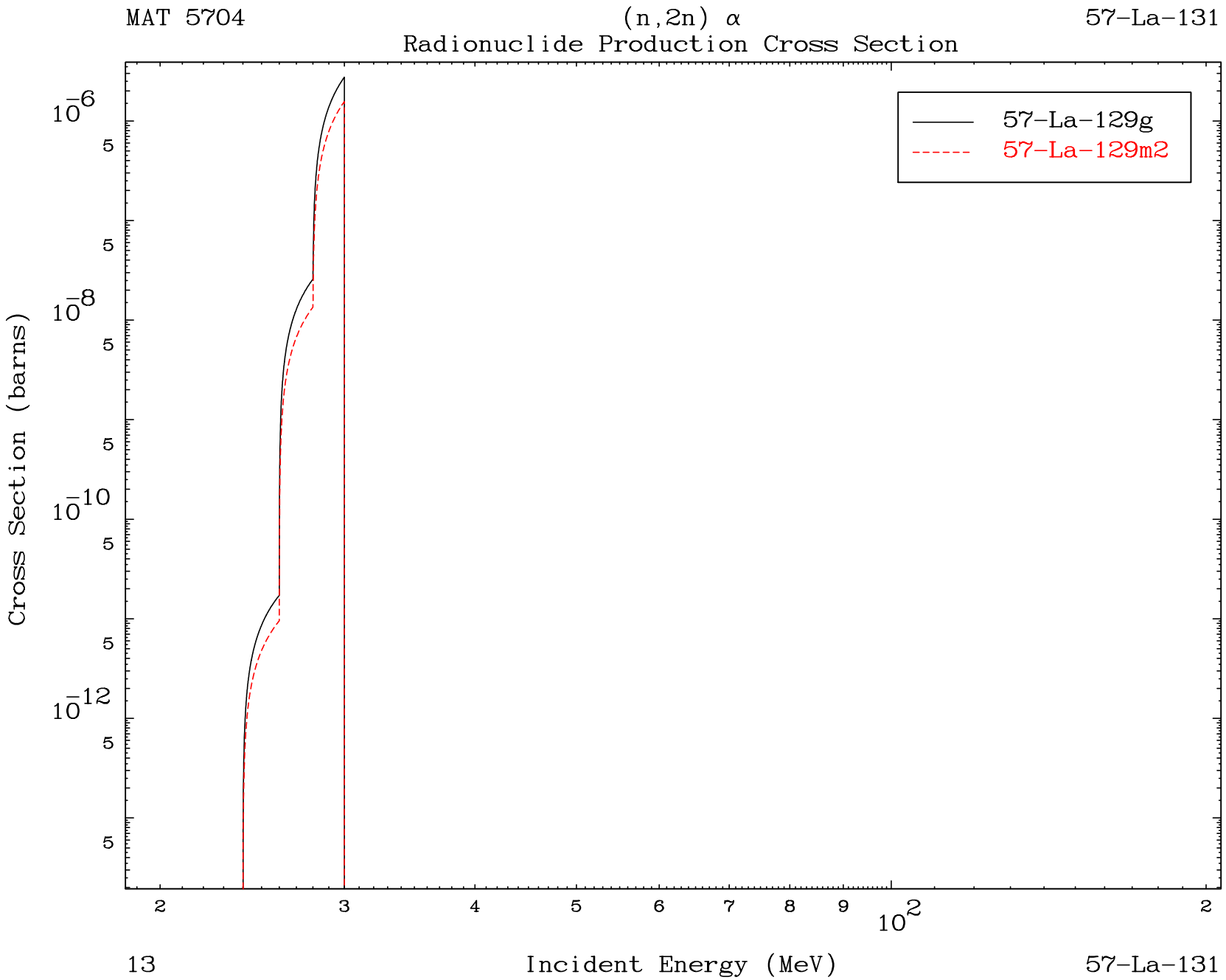

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

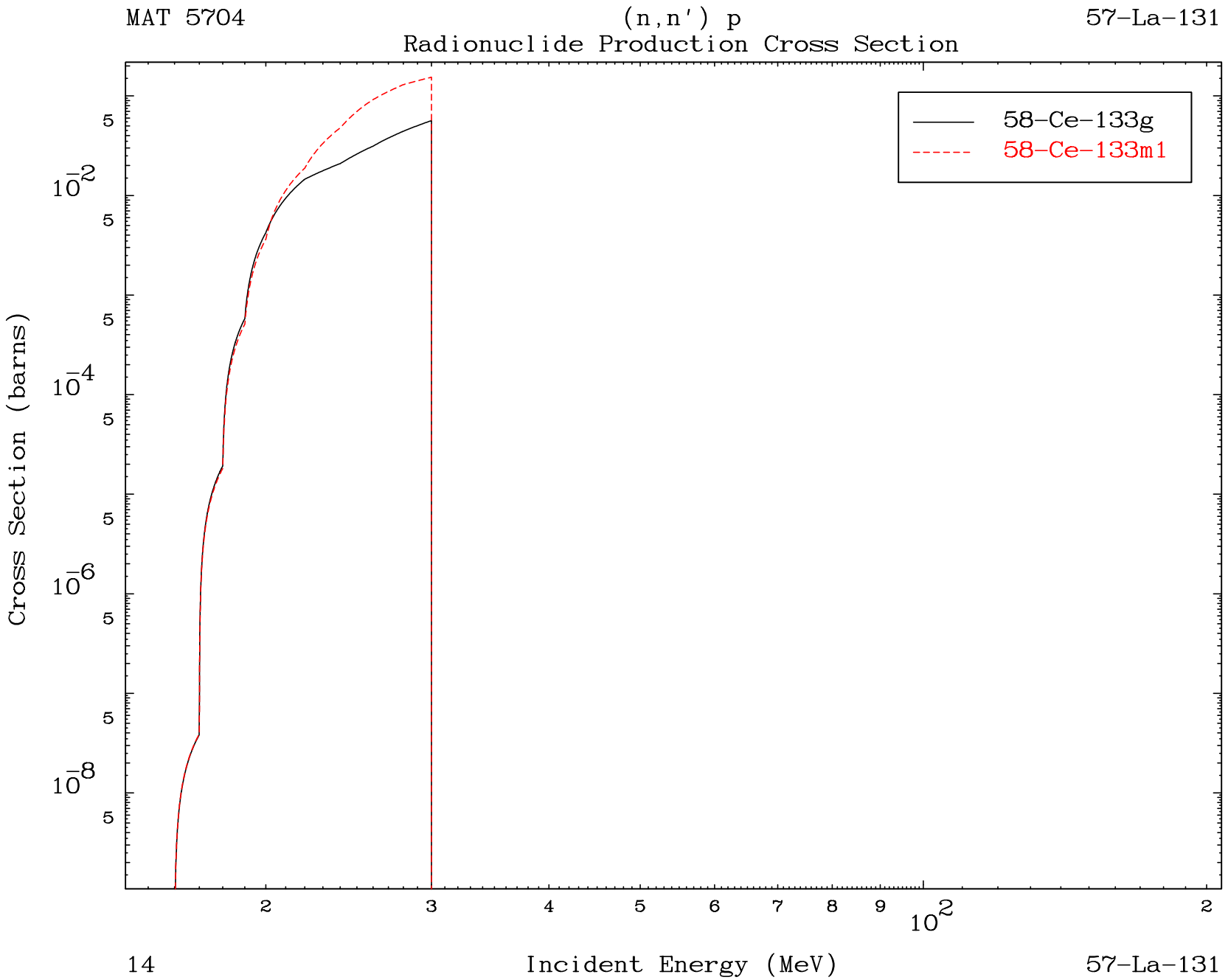

MAT 5704
(α,He3) Levels
57-La-131
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
10-12
5
2
3
4
5
6
7
8
9
10 2
2
9
Incident Energy (MeV)
57-La-131

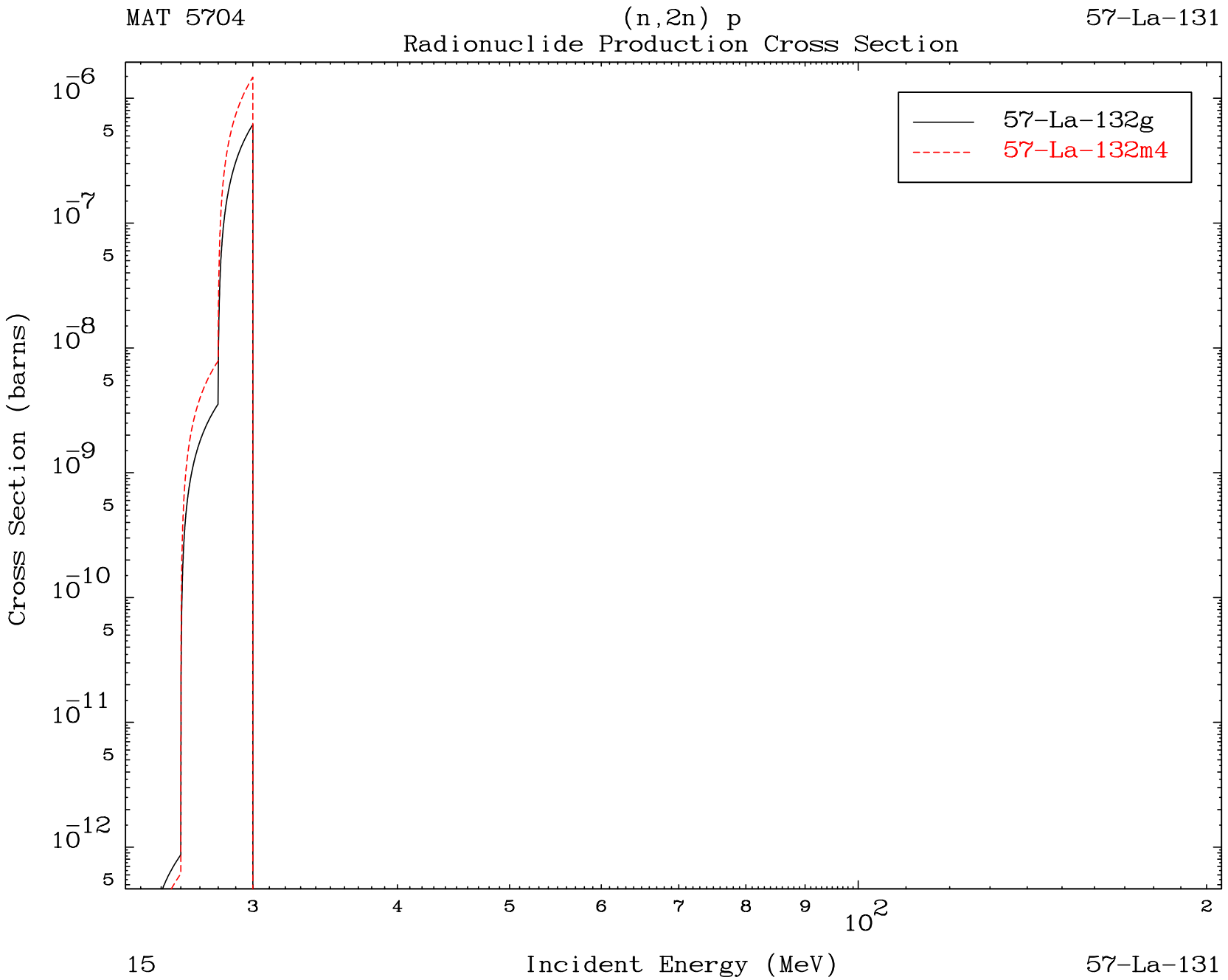

MAT 5704
(α,α) Levels
57-La-131
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
57-La-131

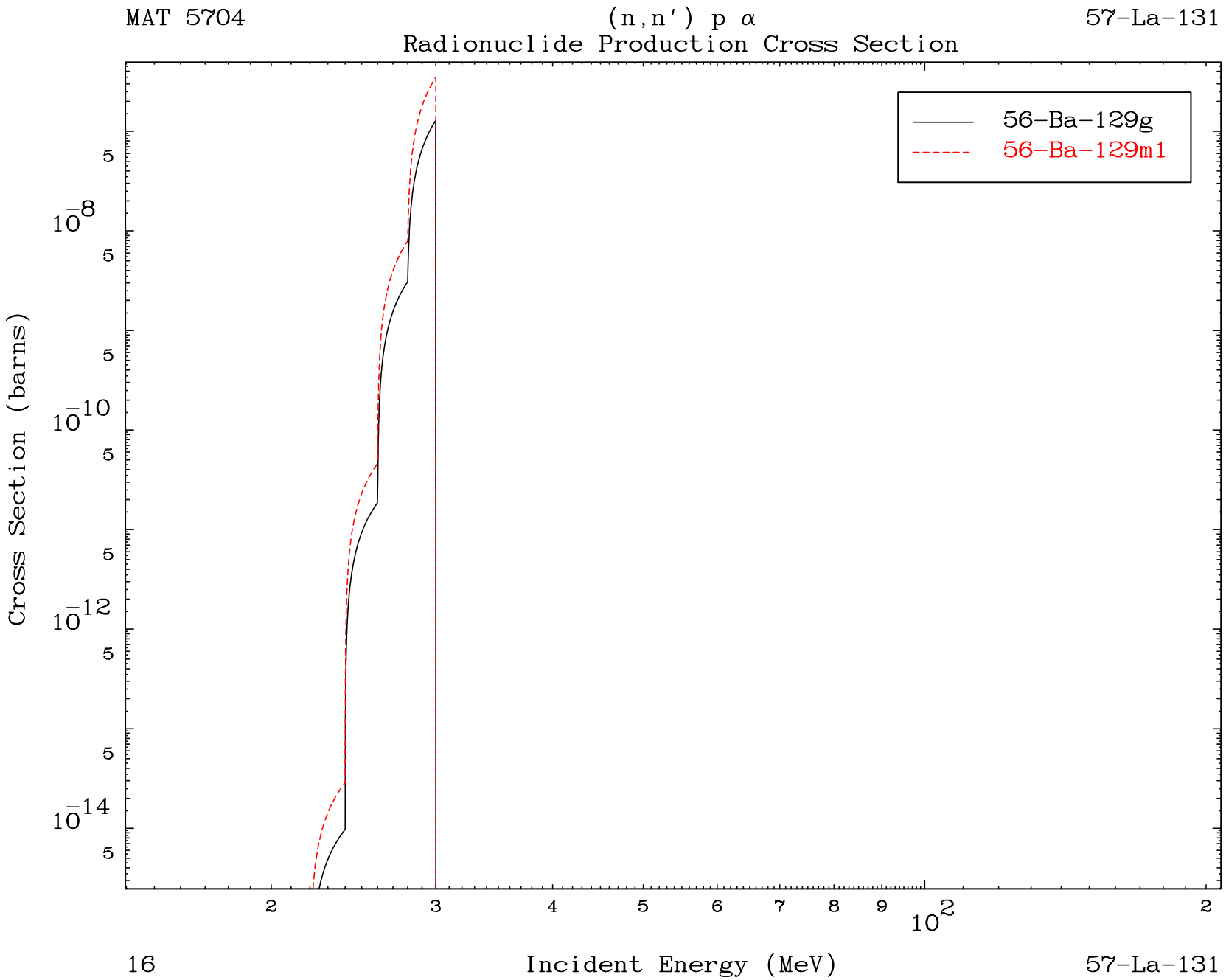

MAT 5704
Inelastic
57-La-131
Radionuclide Production Cross Section
59-Pr-134g
59-Pr-134m1
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
57-La-131

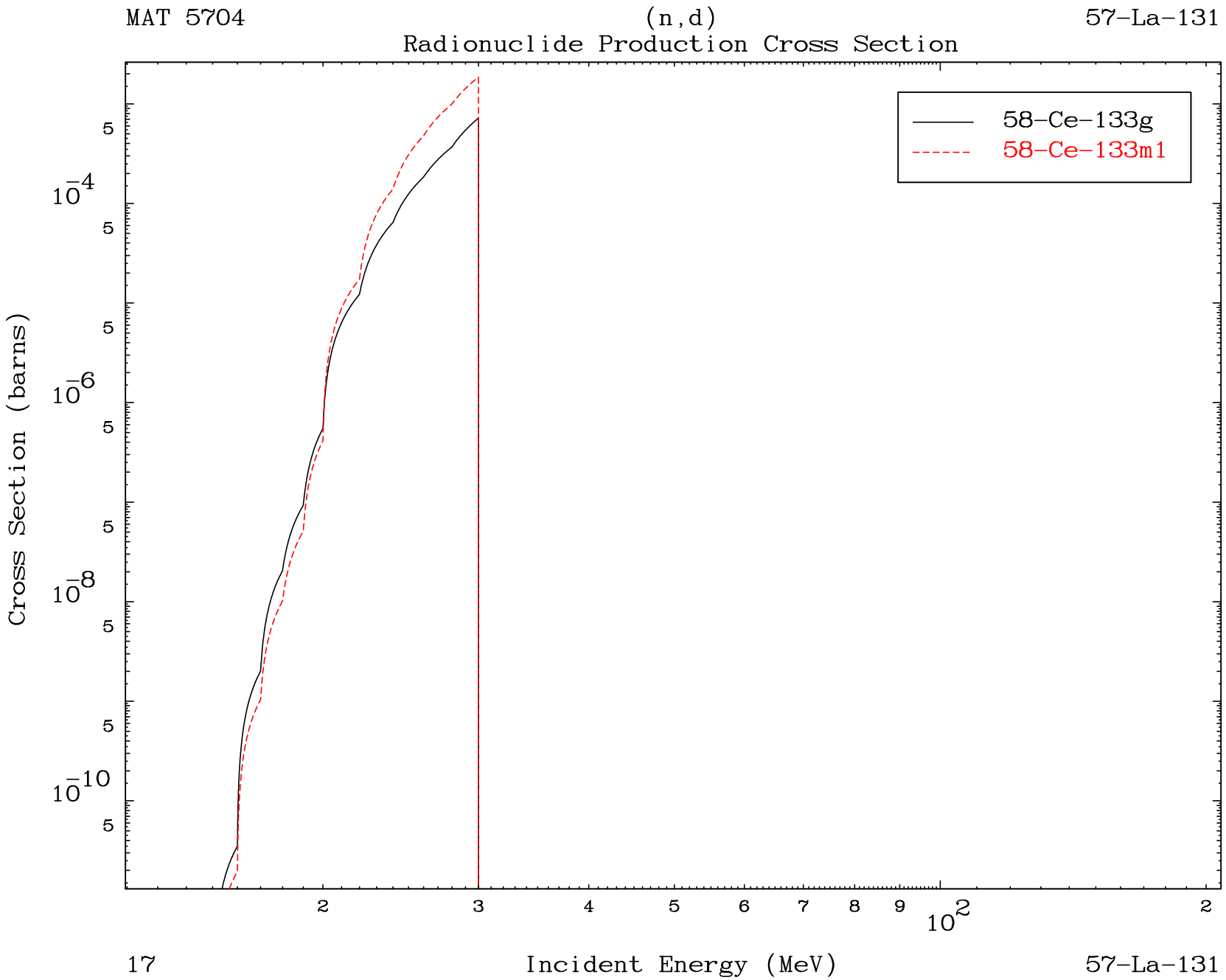

MAT 5704
(n,2n)
57-La-131
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
10^1
5
4
3
2
9
8
7
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
57-La-131

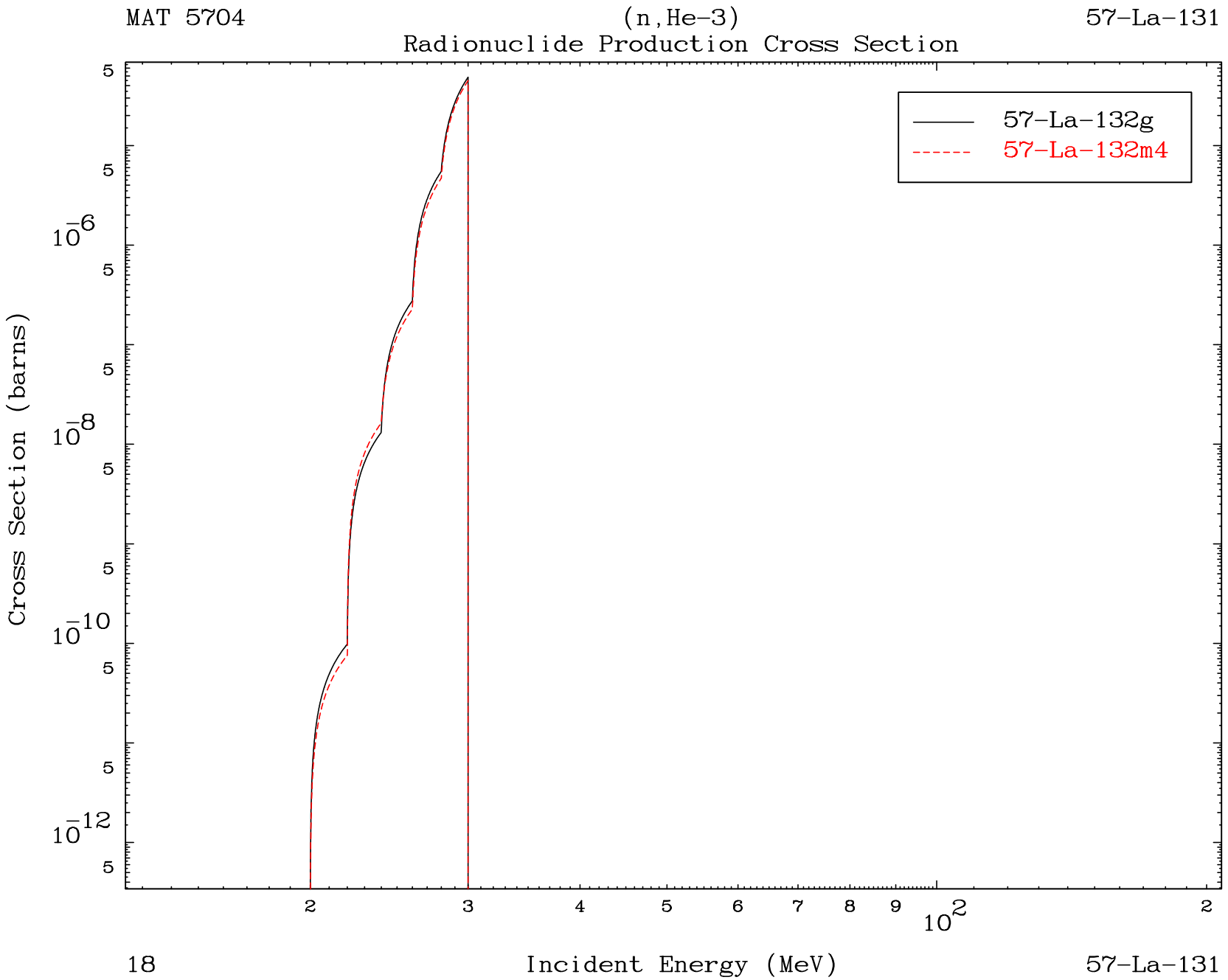

MAT 5704
(n,2n) α
57-La-131
Radionuclide Production Cross Section
57-La-129g
57-La-129m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
57-La-131

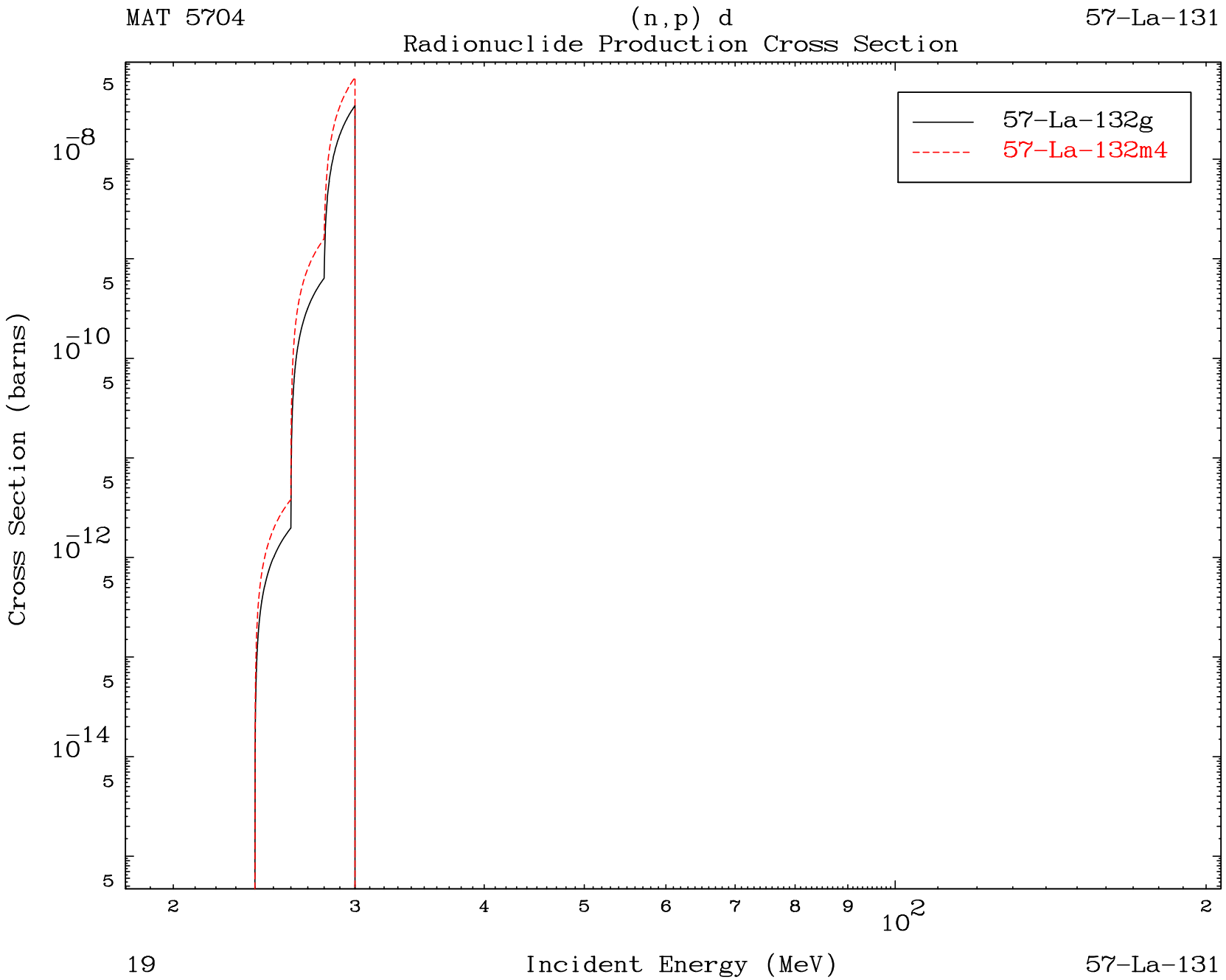

MAT 5704
(n,n') p
57-La-131
Radionuclide Production Cross Section
58-Ce-133g
58-Ce-133m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
57-La-131

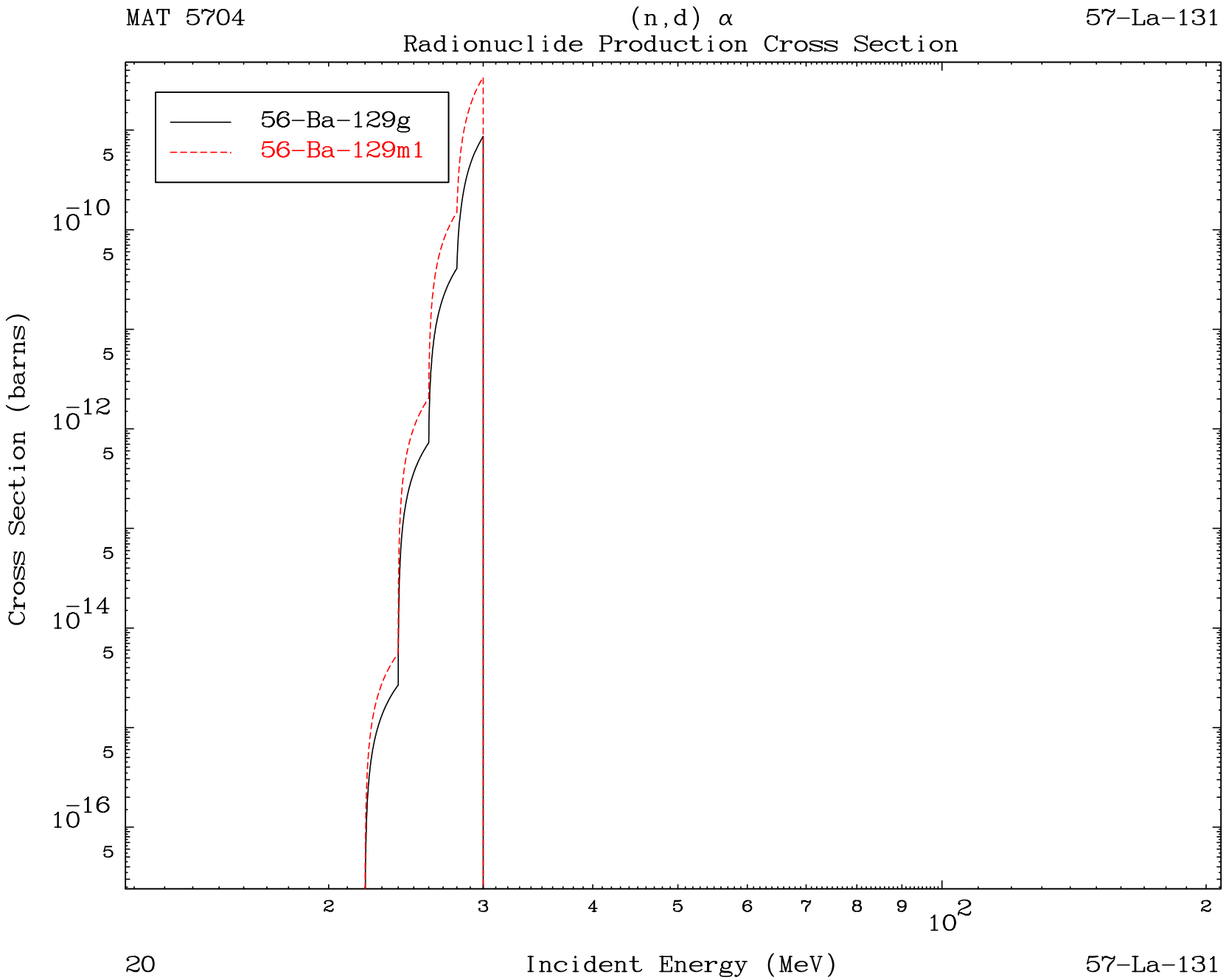

MAT 5704
(n,2n) p
57-La-131
Radionuclide Production Cross Section
57-La-132g
57-La-132m4
Cross Section (barns)
Incident Energy (MeV)
15
57-La-131


MAT 5704
(n,n') p α
57-La-131
Radionuclide Production Cross Section
56-Ba-129g
56-Ba-129m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
57-La-131


MAT 5704
(n,d)
57-La-131
Radionuclide Production Cross Section
58-Ce-133g
58-Ce-133m1
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)
57-La-131


MAT 5704
(n,He-3)
57-La-131
Radionuclide Production Cross Section
57-La-132g
57-La-132m4
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
57-La-131


MAT 5704
(n,p) d
57-La-131
Radionuclide Production Cross Section
57-La-132g
57-La-132m4
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
57-La-131


MAT 5704
(n,d) α
57-La-131
Radionuclide Production Cross Section
56-Ba-129g
56-Ba-129m1
Cross Section (barns)
10-10
10-12
10-14
10-16
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
57-La-131