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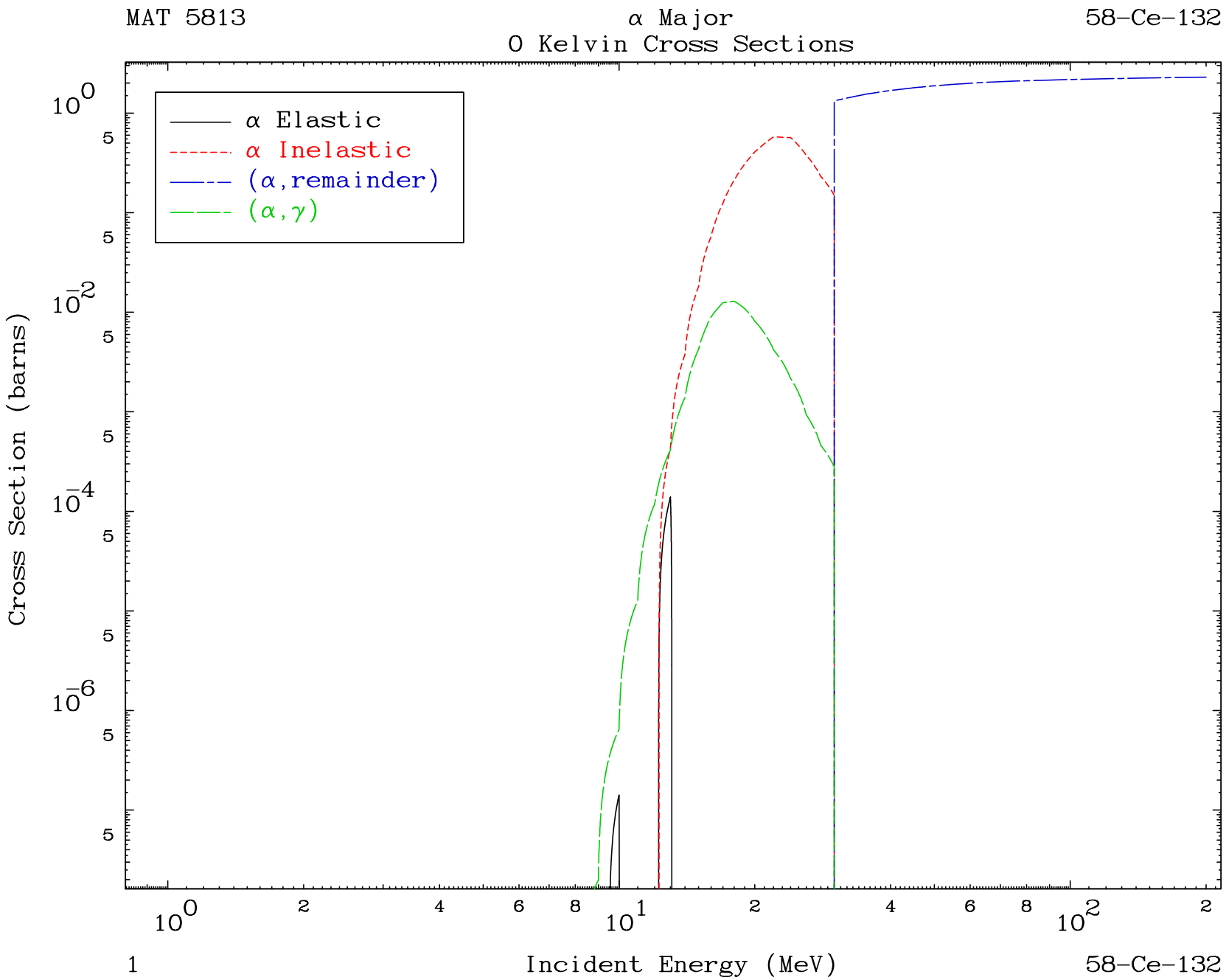
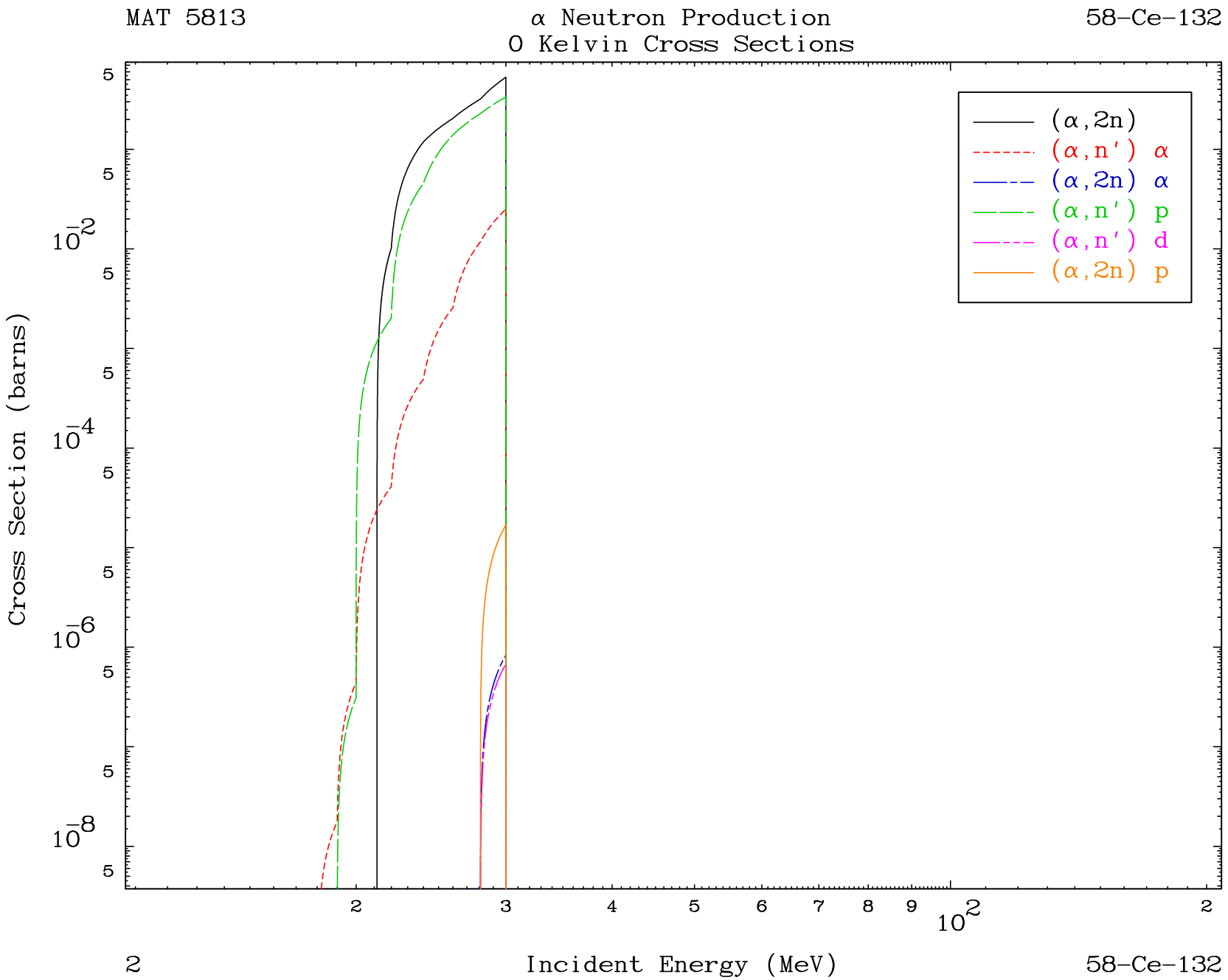
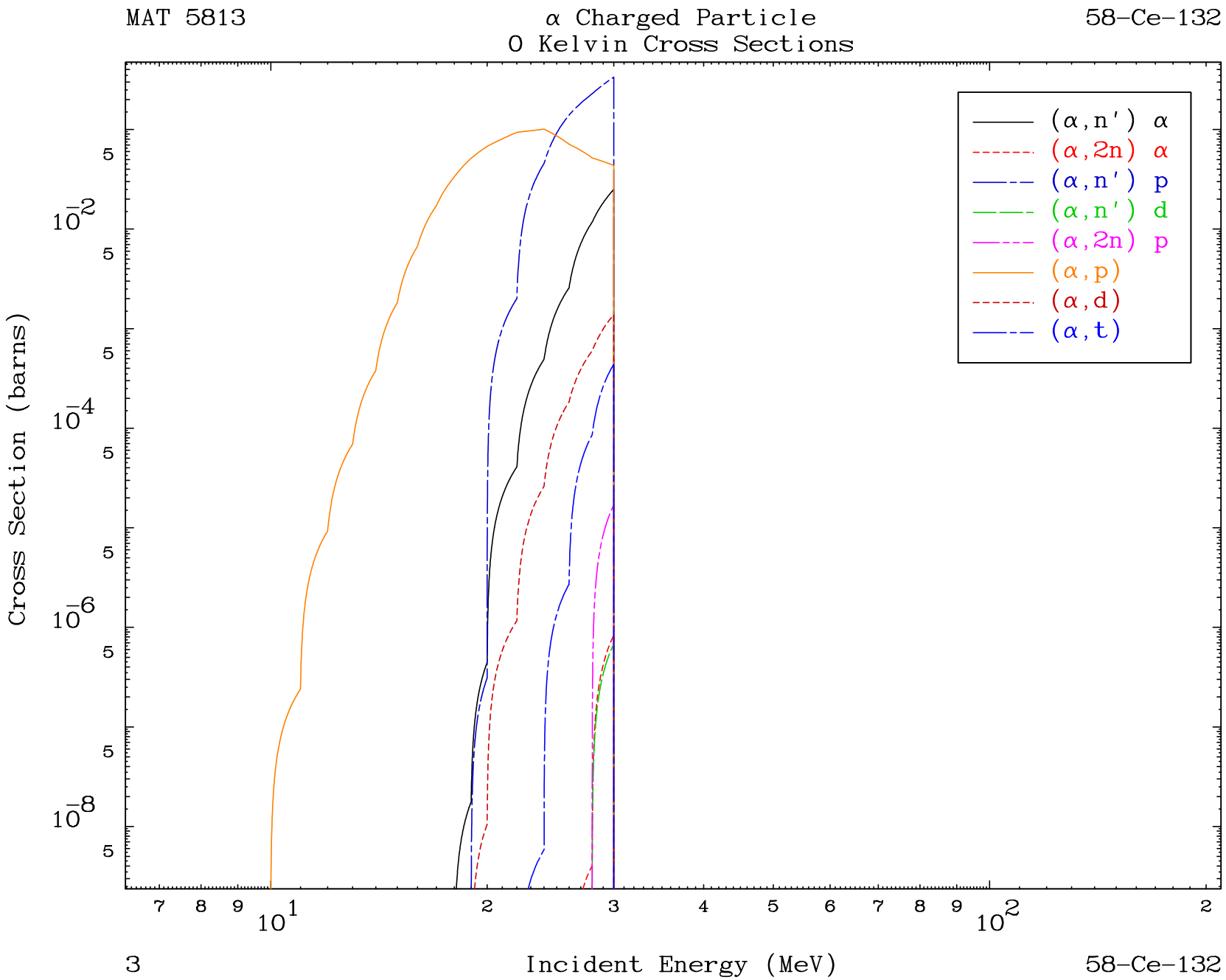
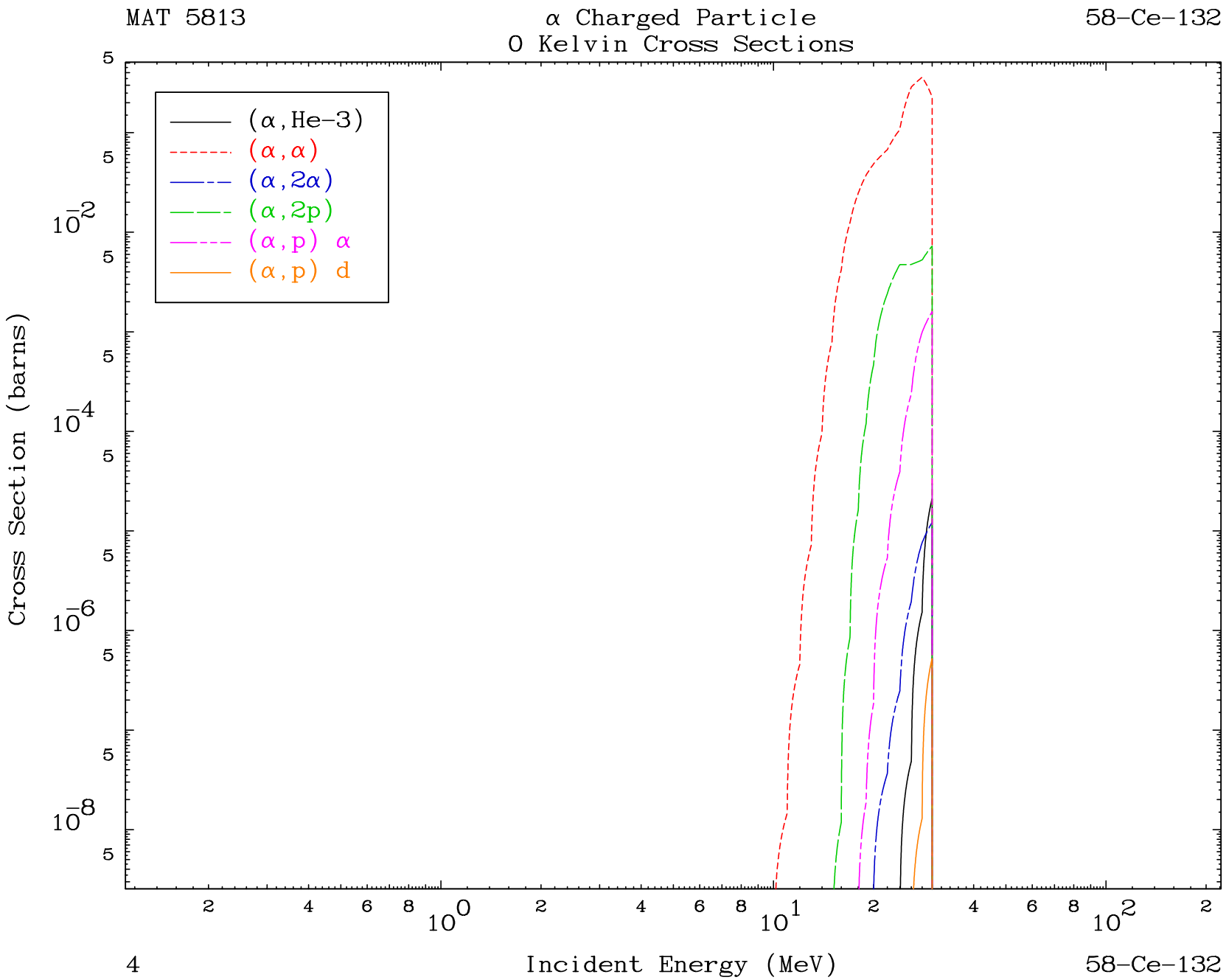
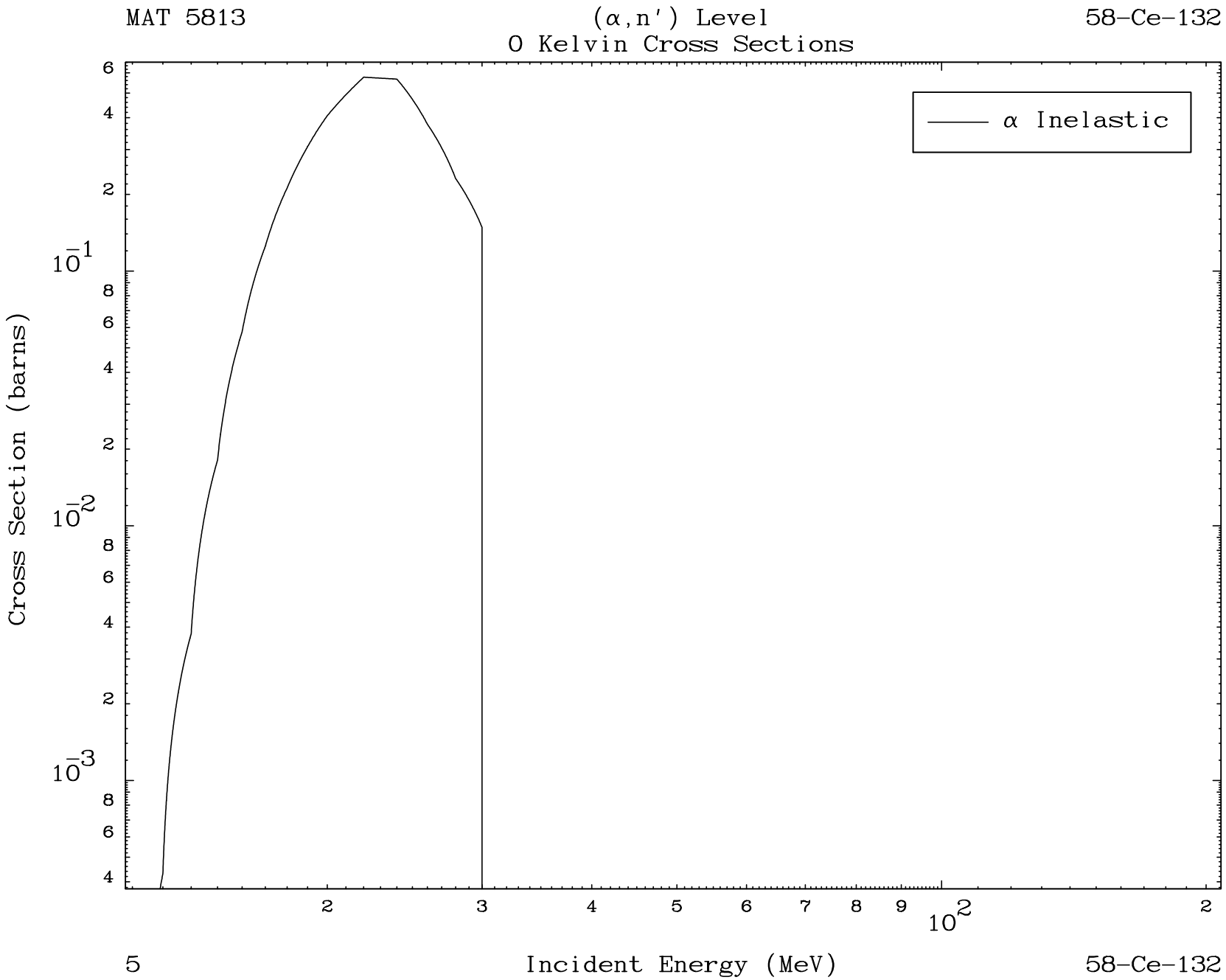
Press Mouse Button to Start

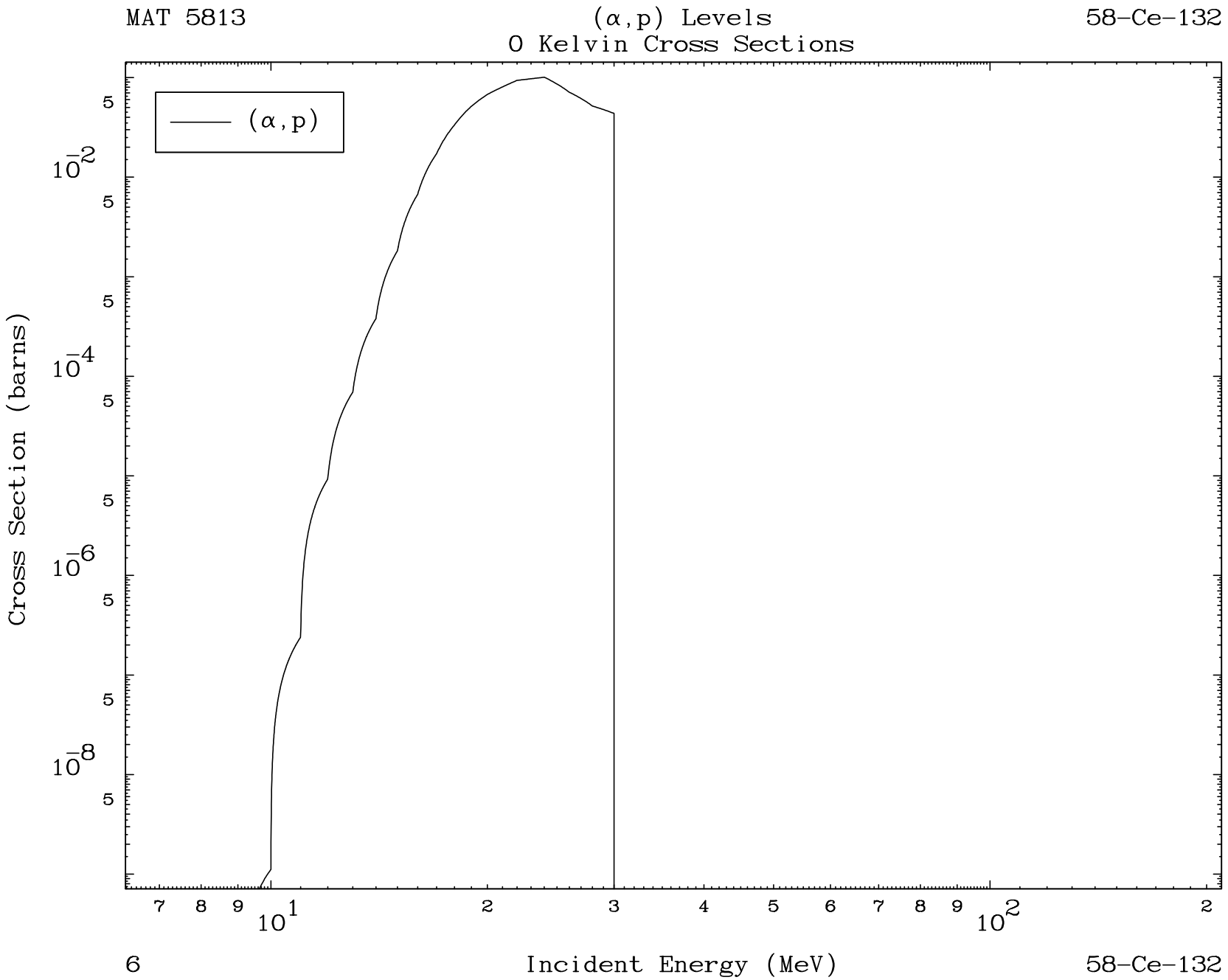

MAT 5813
α Major
58-Ce-132
0 Kelvin Cross Sections
α Elastic
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-132
1

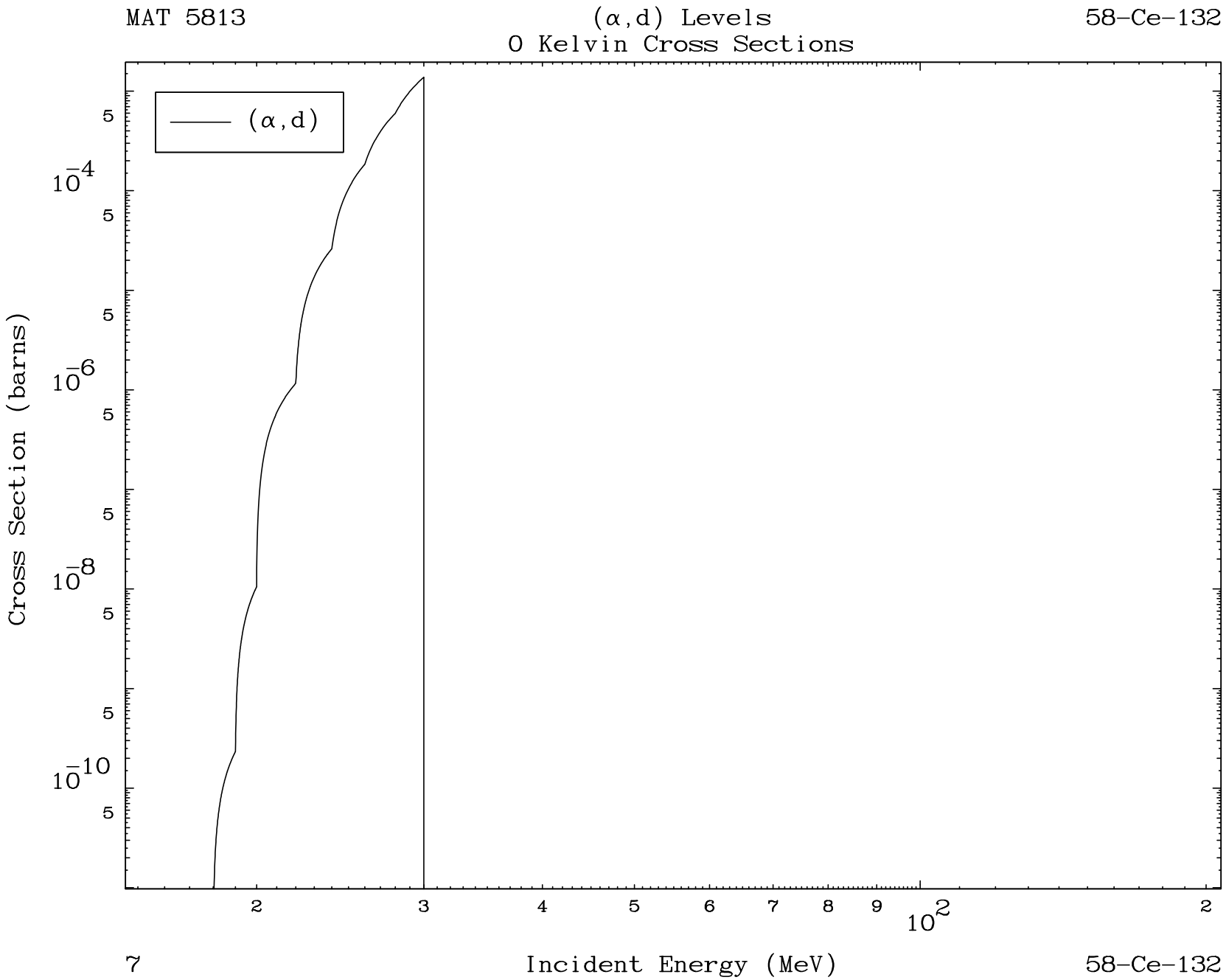

MAT 5813
α Neutron Production
0 Kelvin Cross Sections
58-Ce-132
Cross Section (barns)
Incident Energy (MeV)
58-Ce-132
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,2n) p

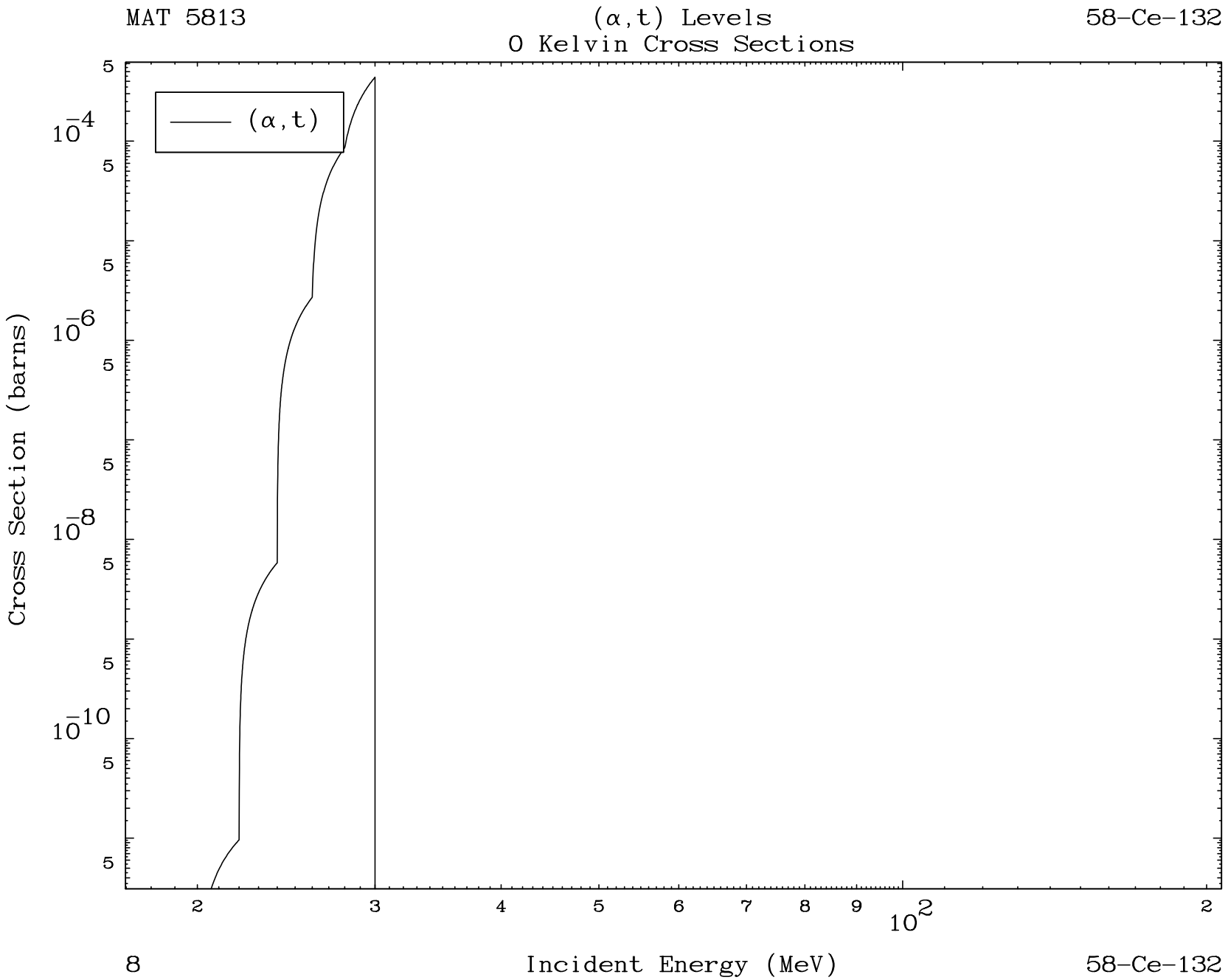

MAT 5813
α Charged Particle
0 Kelvin Cross Sections
58-Ce-132
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
(α,n') α
(α,2n) α
(α,n') p
(α,n') d
(α,2n) p
(α,p)
(α,d)
(α,t)
3
58-Ce-132


MAT 5813
α Charged Particle
0 Kelvin Cross Sections
58-Ce-132
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
Cross Section (barns)
Incident Energy (MeV)
4
58-Ce-132

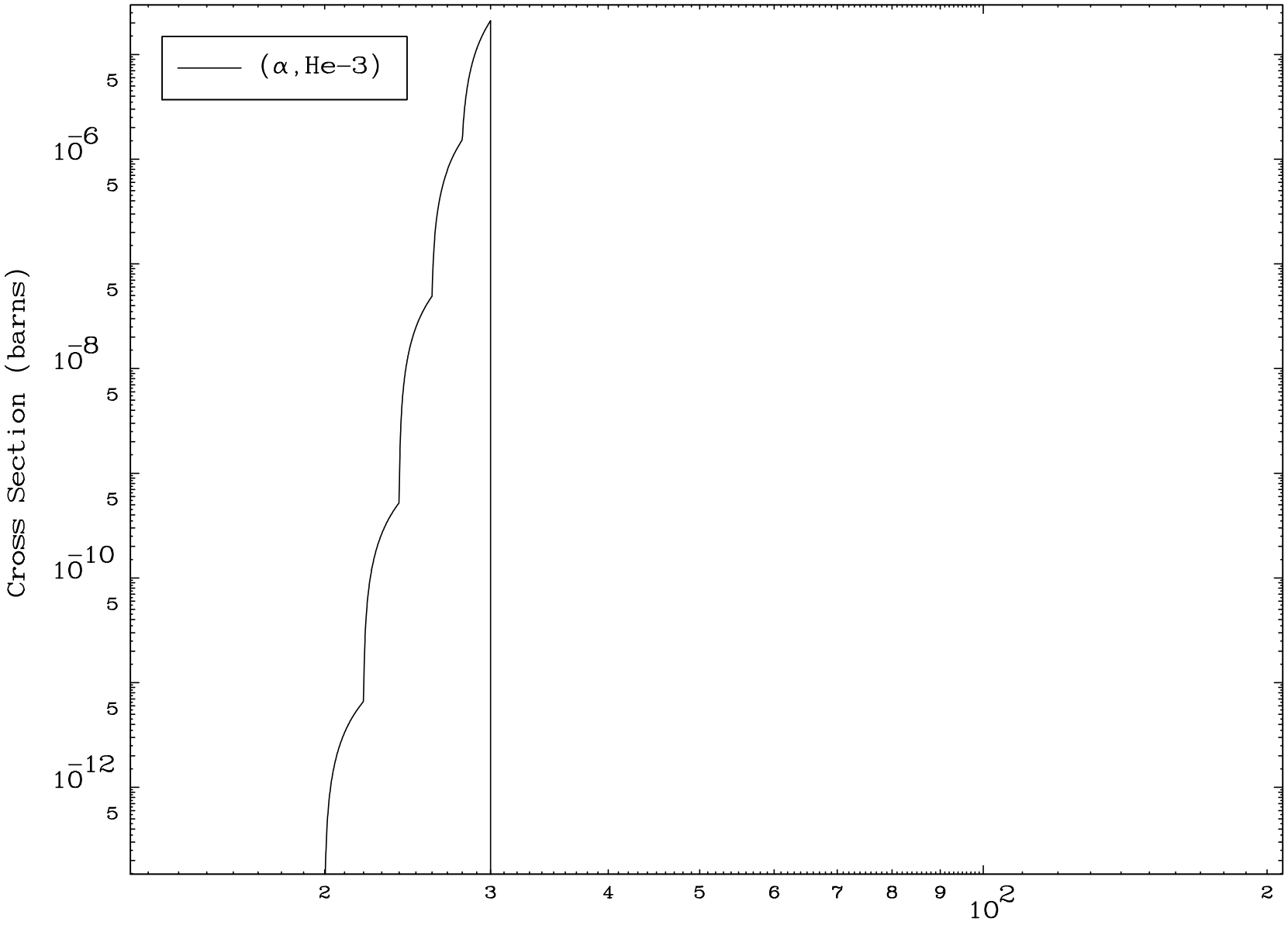

MAT 5813
(α,n') Level
58-Ce-132
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
5
58-Ce-132

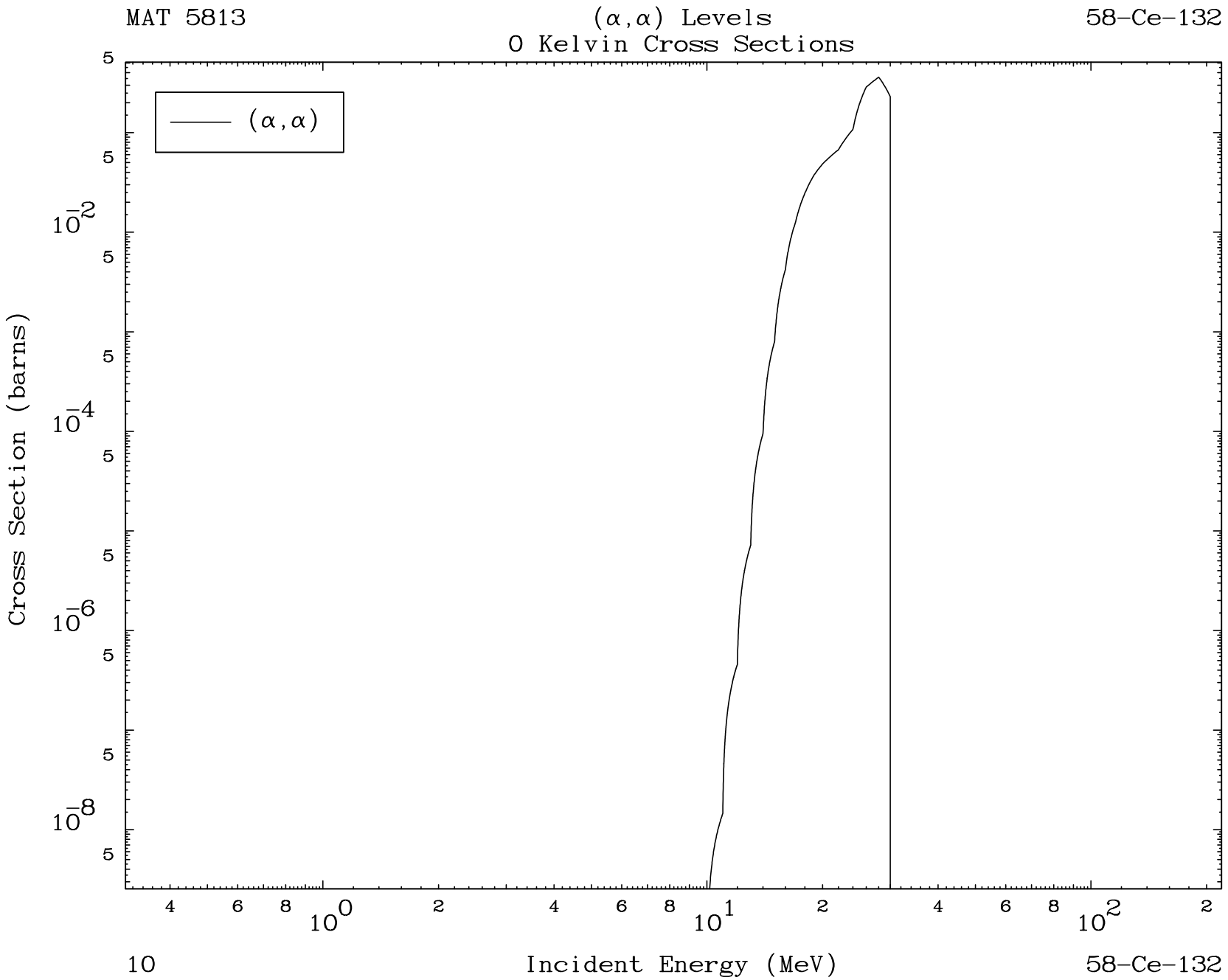

MAT 5813
(α,p) Levels
58-Ce-132
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
58-Ce-132

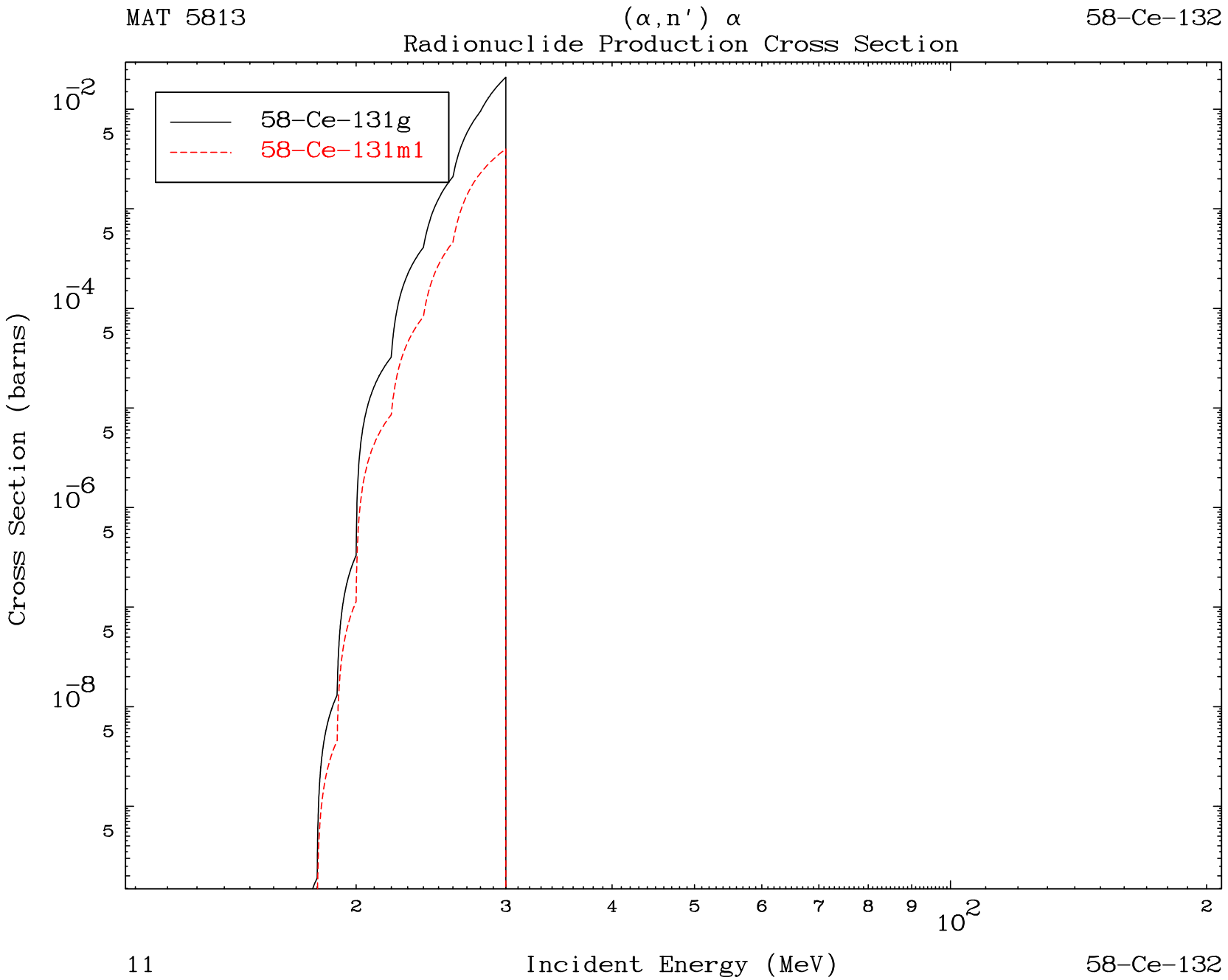

MAT 5813
(α,d) Levels
58-Ce-132
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
58-Ce-132

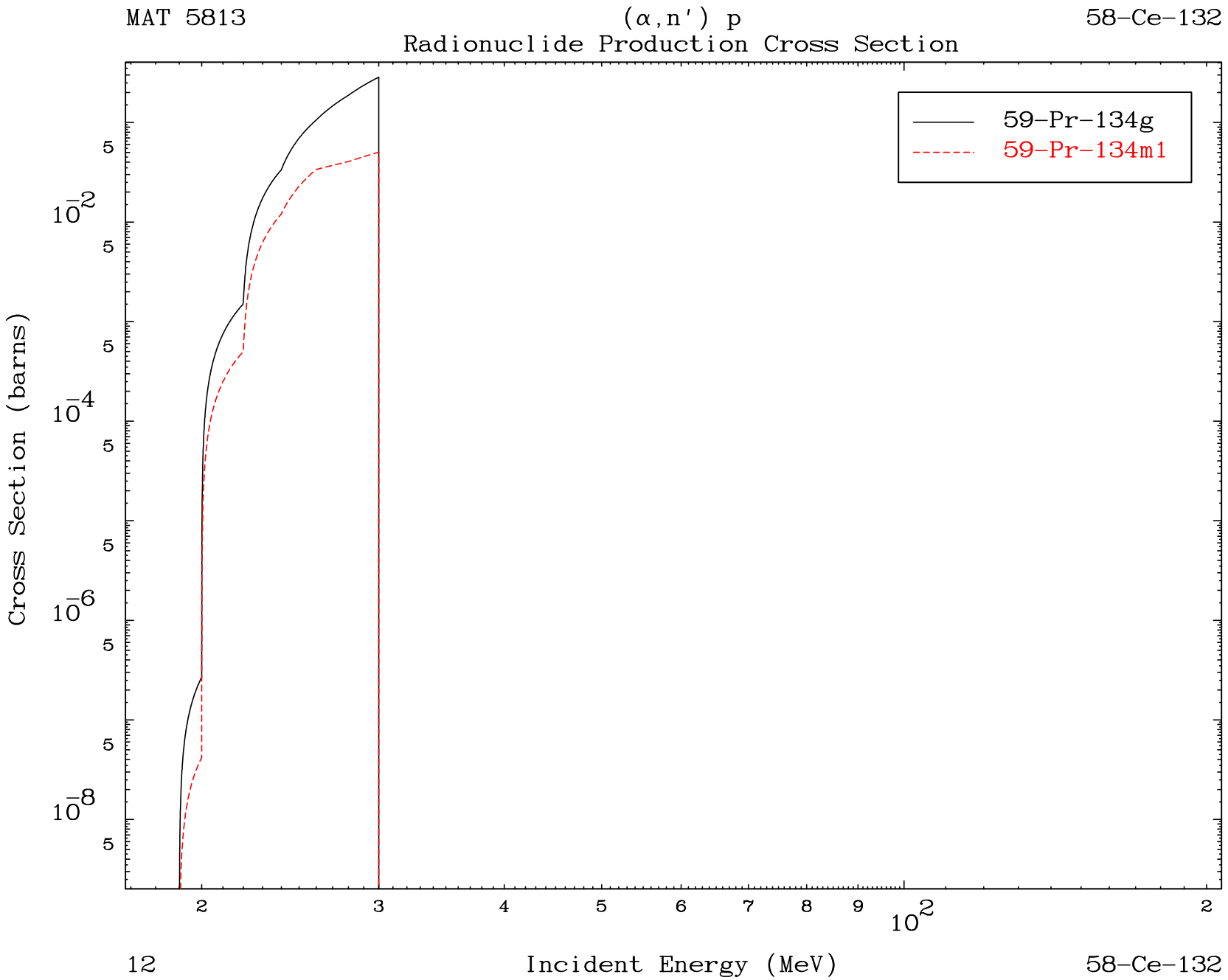

MAT 5813
(α,t) Levels
58-Ce-132
0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
8
58-Ce-132

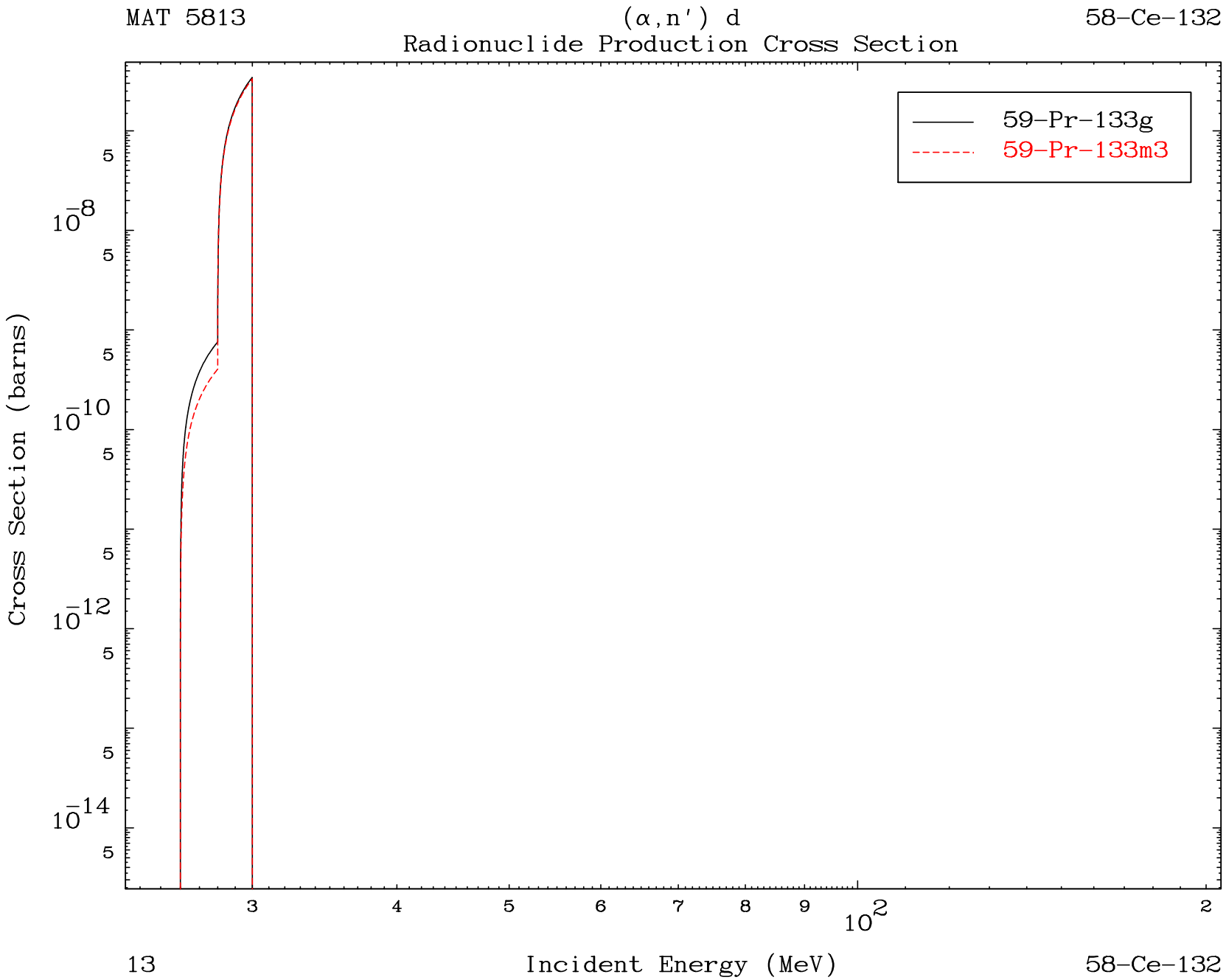
0 Kelvin Cross Sections

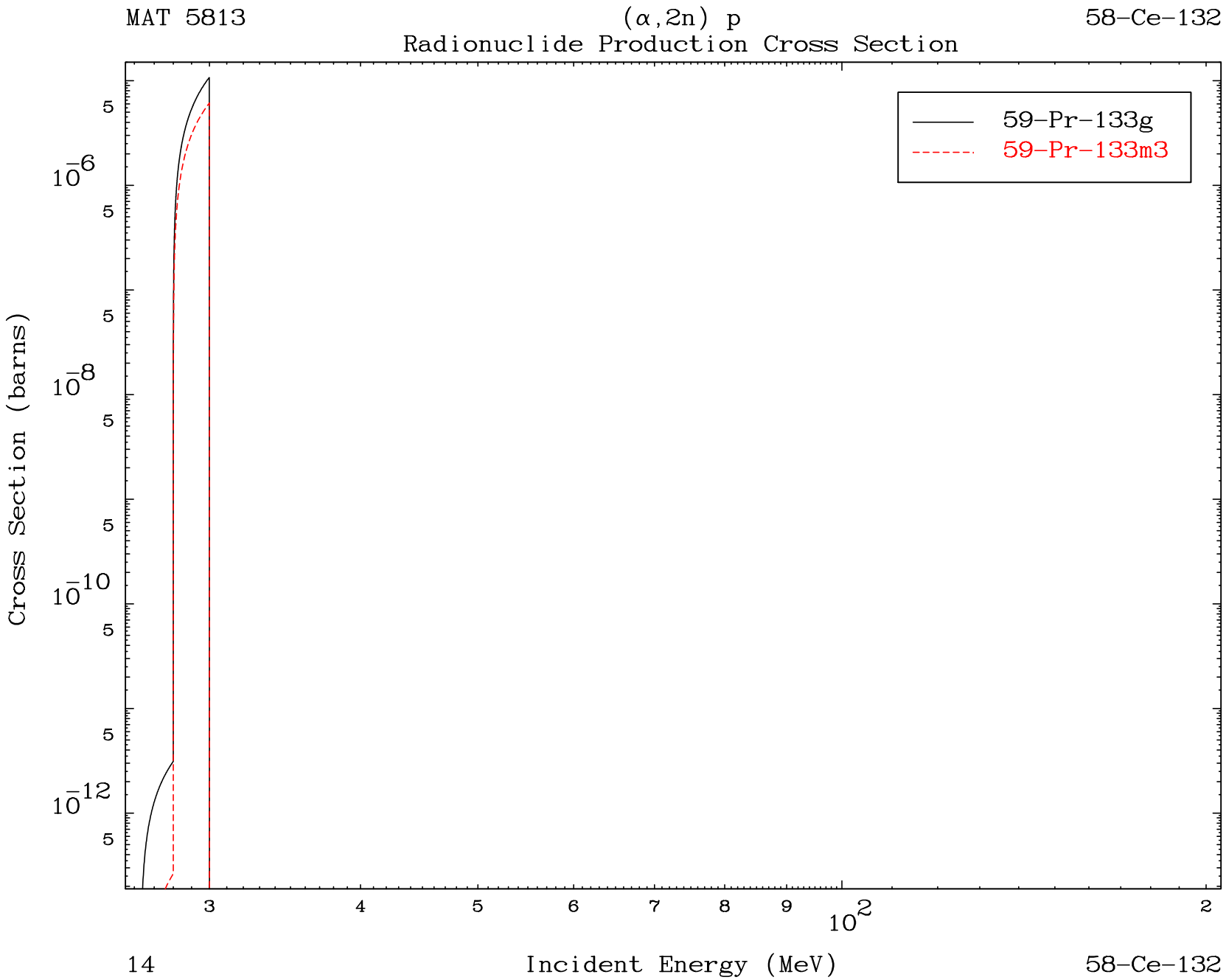


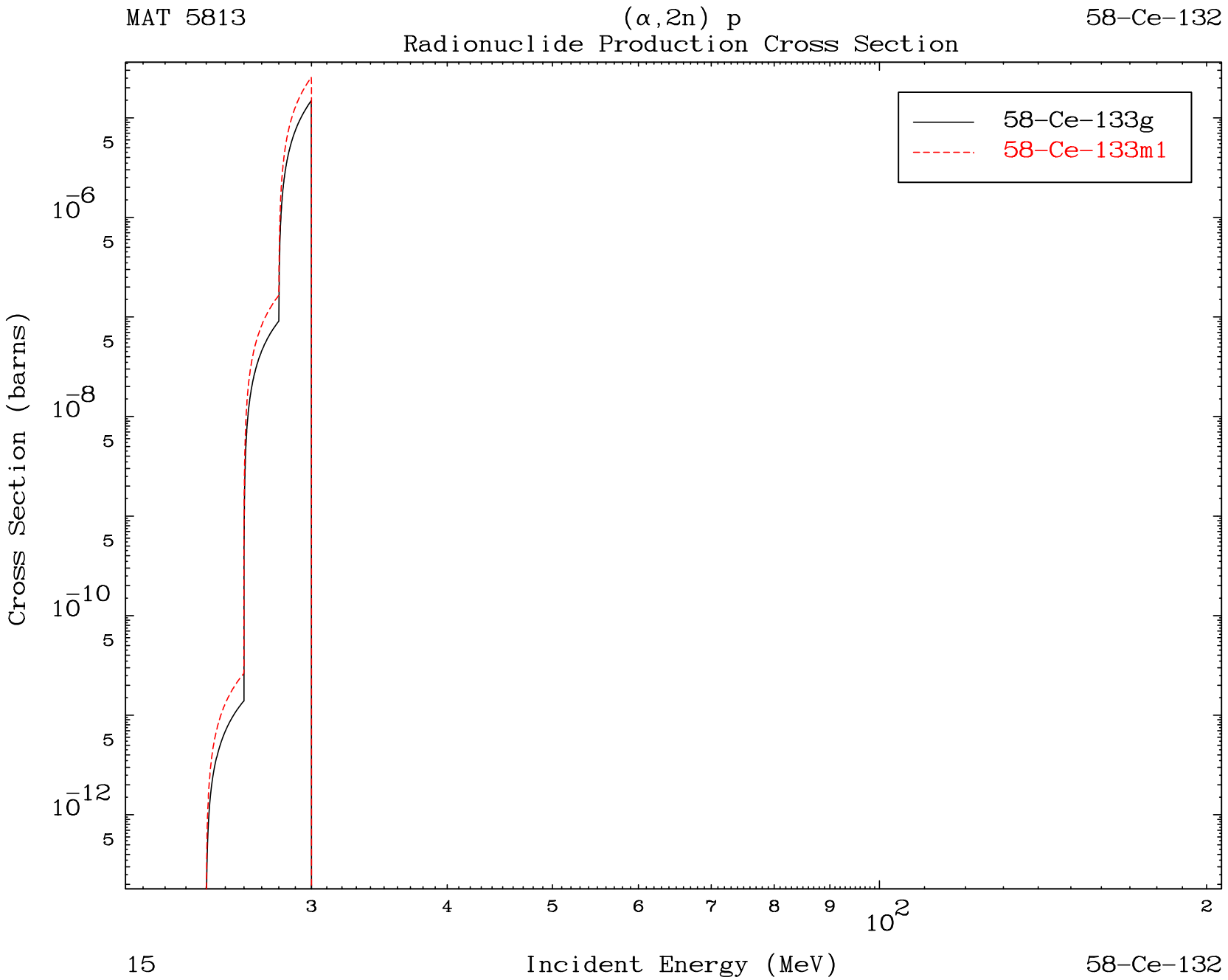

MAT 5813
(α,α) Levels
58-Ce-132
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-132

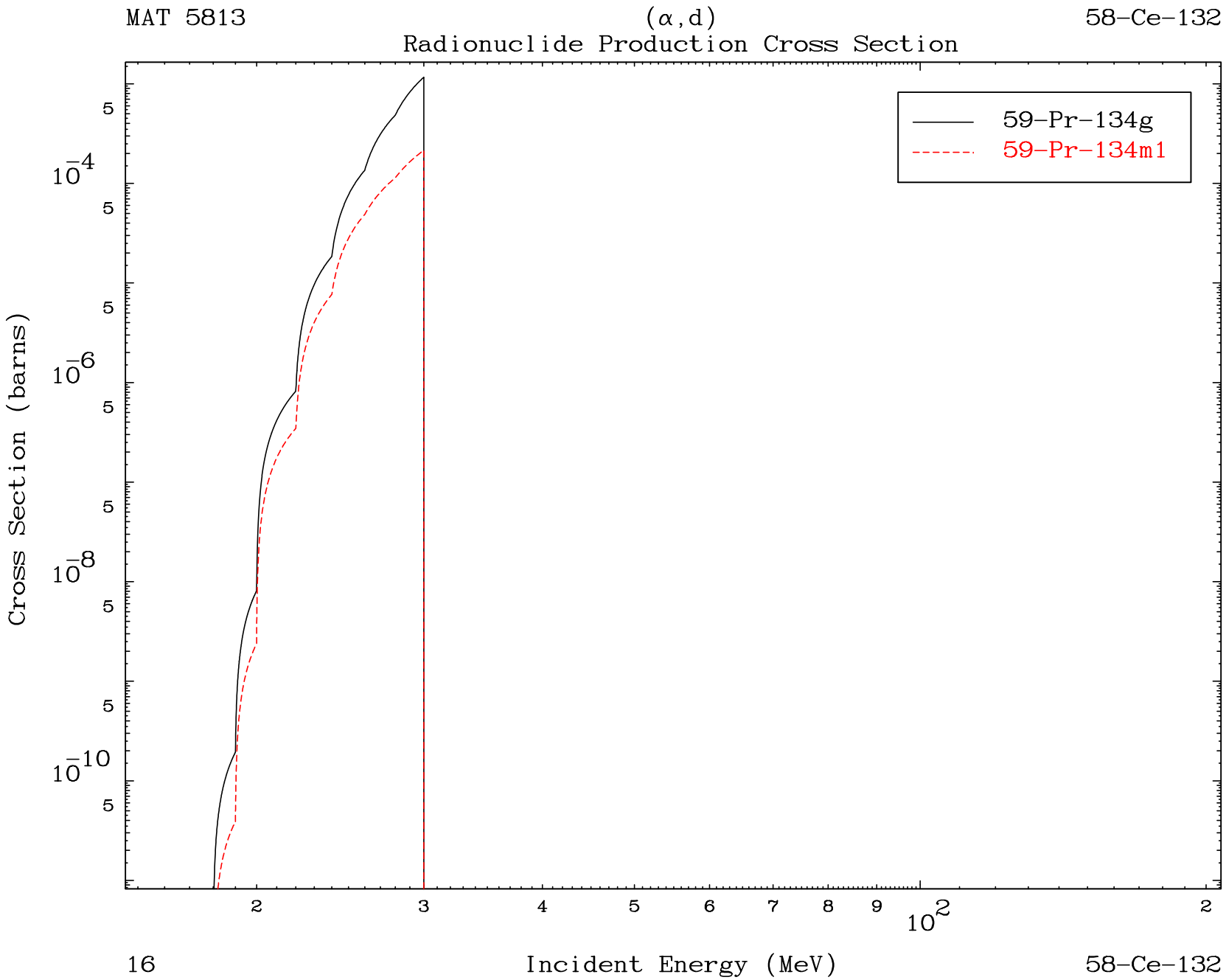

MAT 5813
(α,n') α
58-Ce-132
Radionuclide Production Cross Section
58-Ce-131g
58-Ce-131m1
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
2
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
58-Ce-132

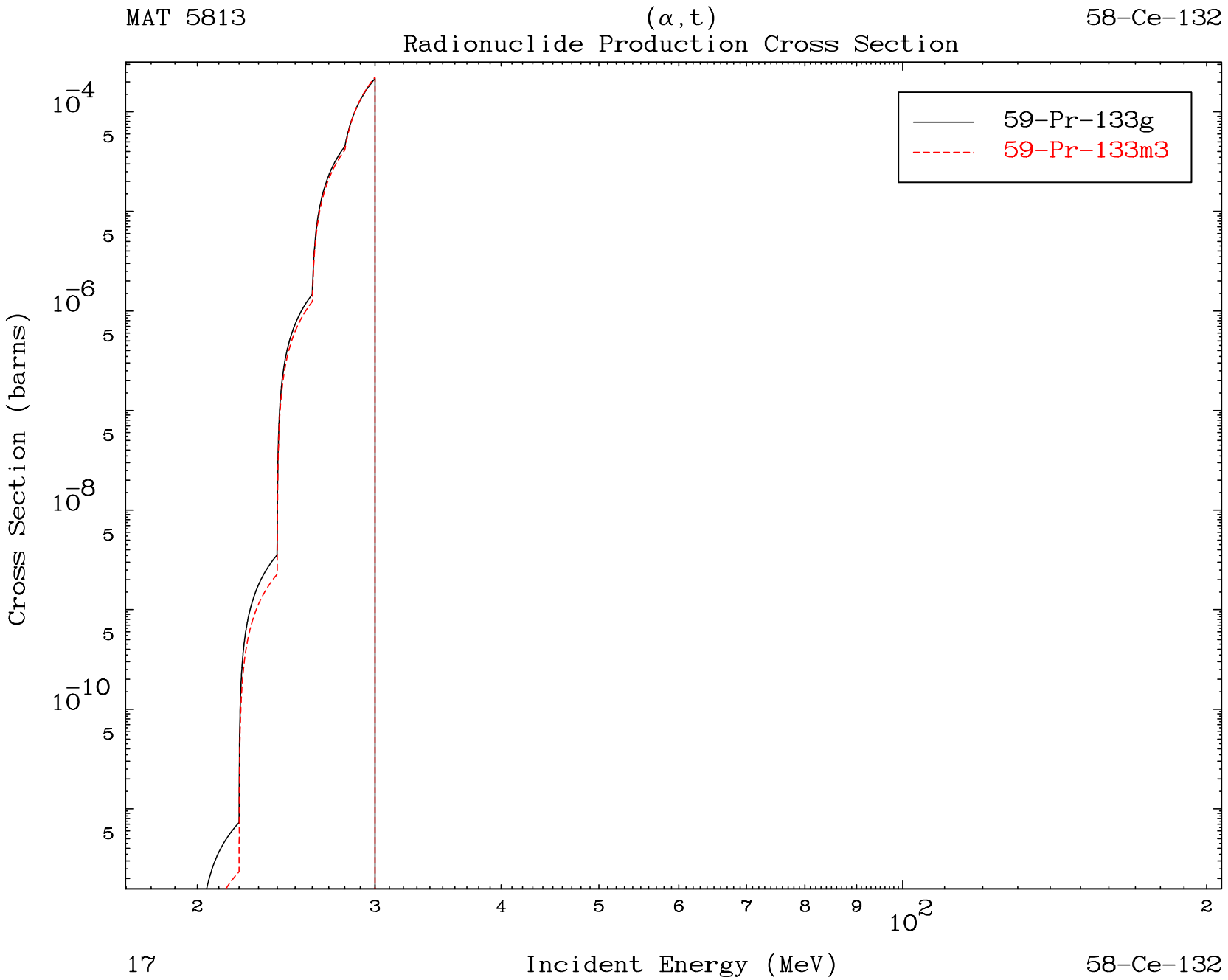

MAT 5813
(α,n') p
58-Ce-132
Radionuclide Production Cross Section
59-Pr-134g
59-Pr-134m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
58-Ce-132

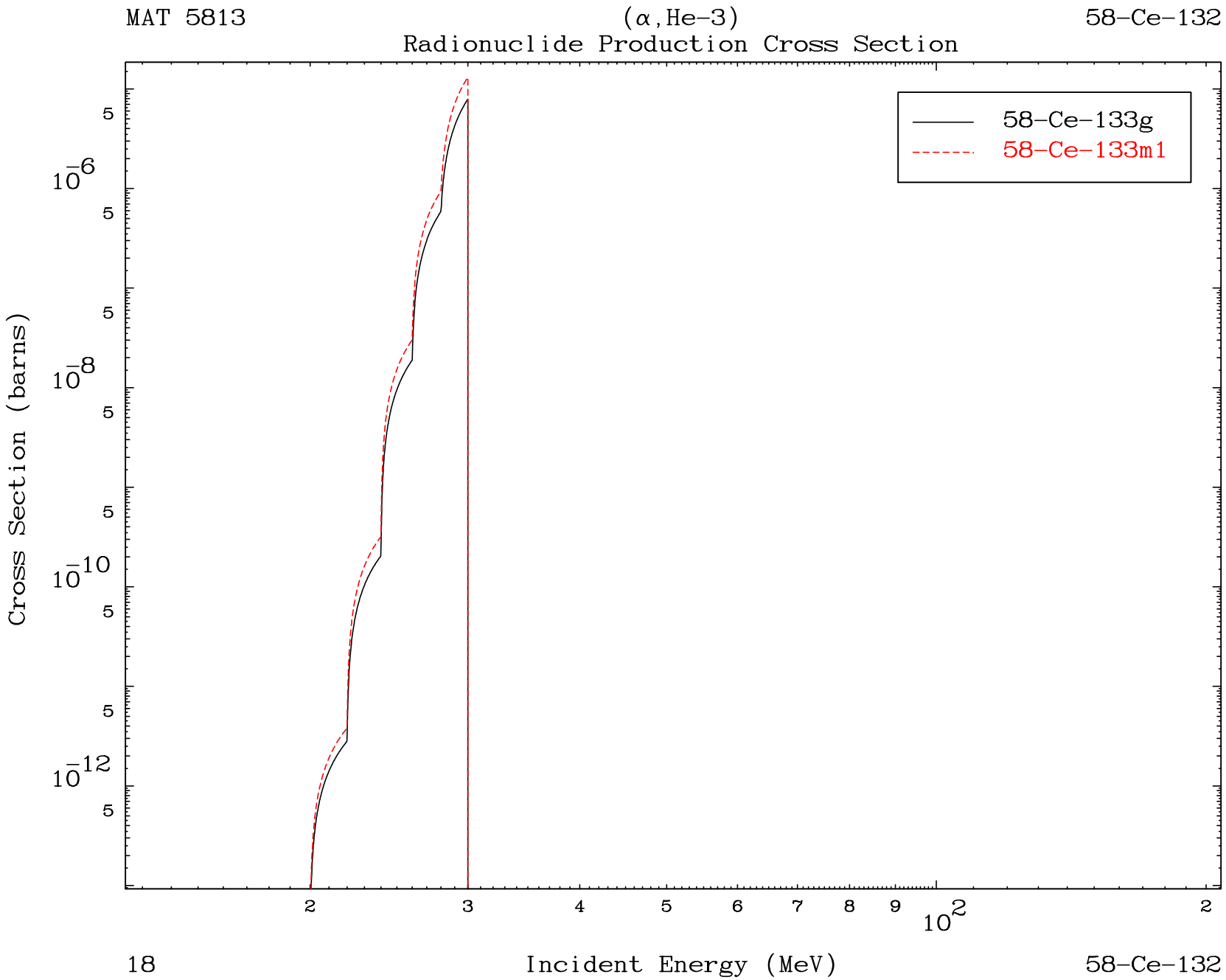

MAT 5813
(α,n') d
58-Ce-132
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
58-Ce-132

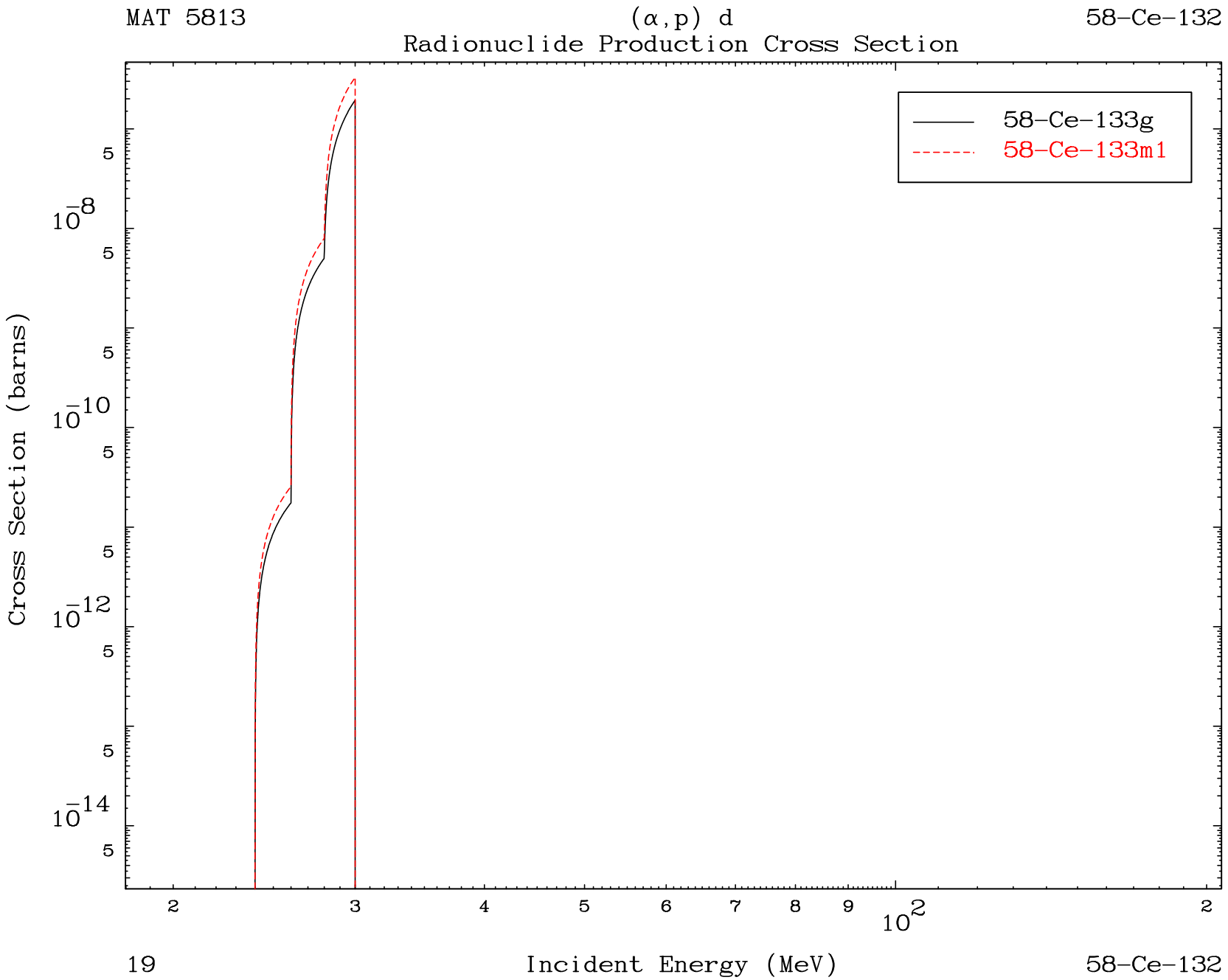

MAT 5813
(α,2n) p
58-Ce-132
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
58-Ce-132


MAT 5813
(α,2n) p
58-Ce-132
Radionuclide Production Cross Section
58-Ce-133g
58-Ce-133m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
6
7
8
9
10^2
2
15
Incident Energy (MeV)
58-Ce-132


MAT 5813
(α,d)
58-Ce-132
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
16
Incident Energy (MeV)
58-Ce-132


MAT 5813
(α,t)
58-Ce-132
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
17
58-Ce-132


MAT 5813
(α,He-3)
58-Ce-132
Radionuclide Production Cross Section
58-Ce-133g
58-Ce-133m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
58-Ce-132


MAT 5813
(α,p) d
58-Ce-132
Radionuclide Production Cross Section
58-Ce-133g
58-Ce-133m1
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)
58-Ce-132