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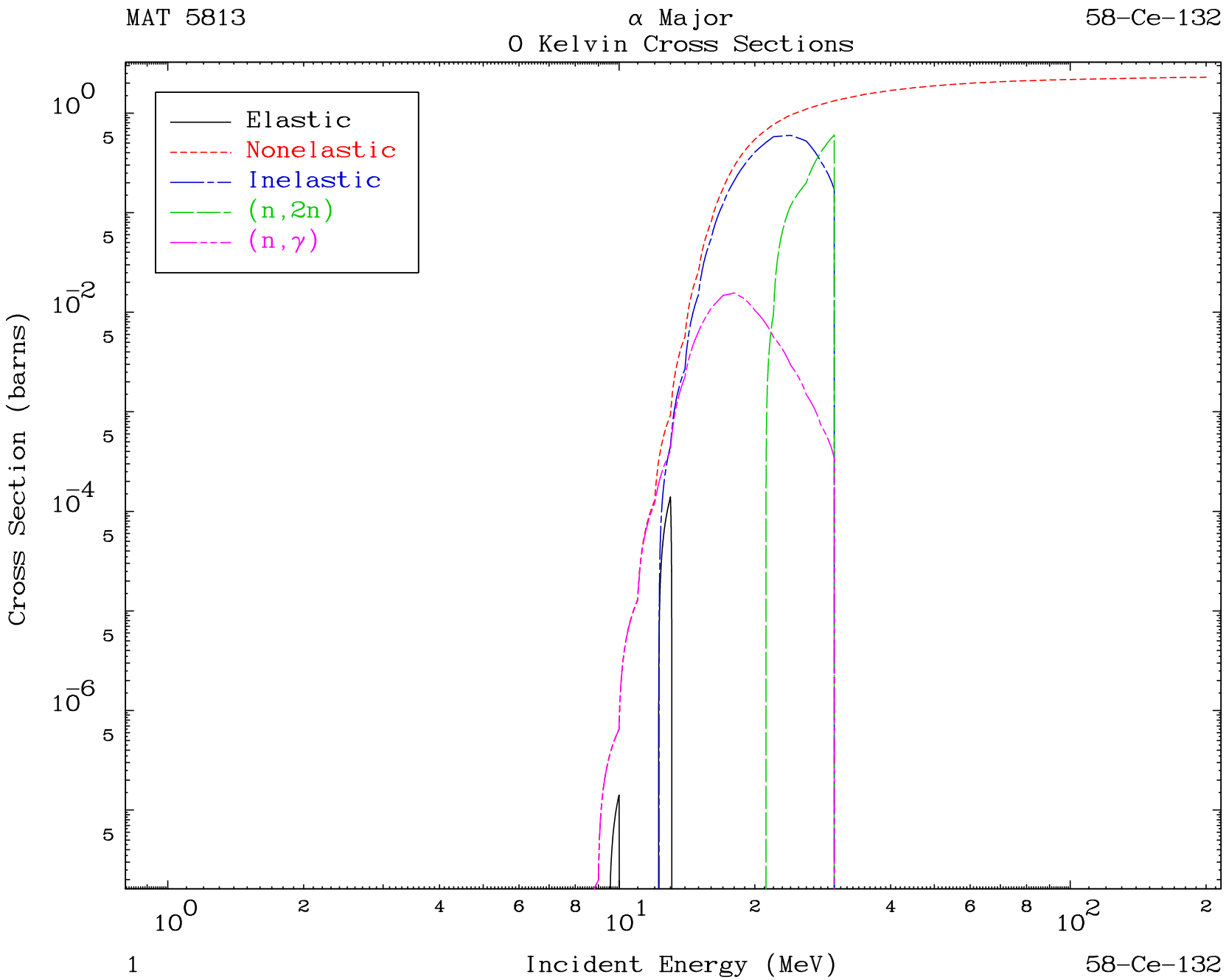
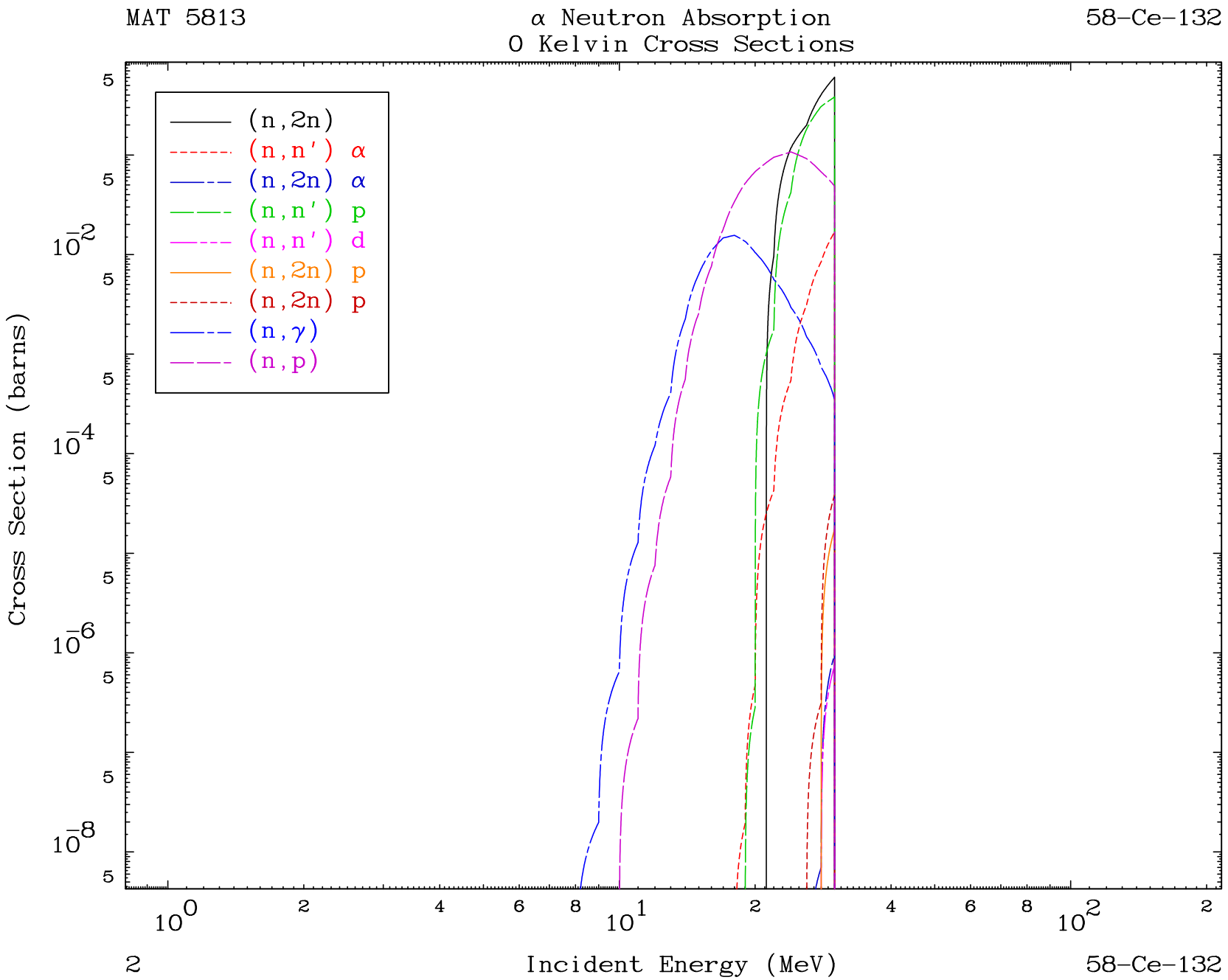
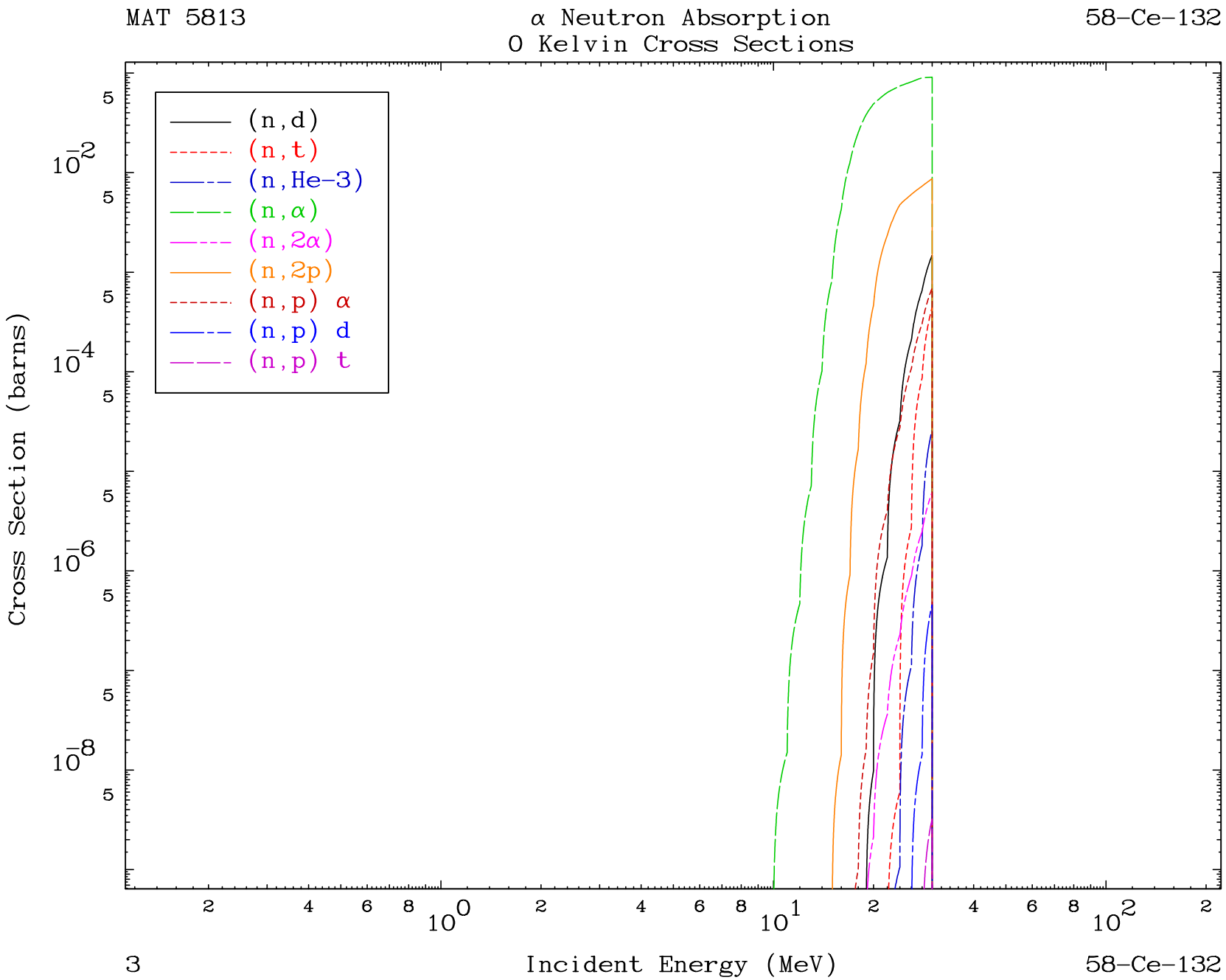
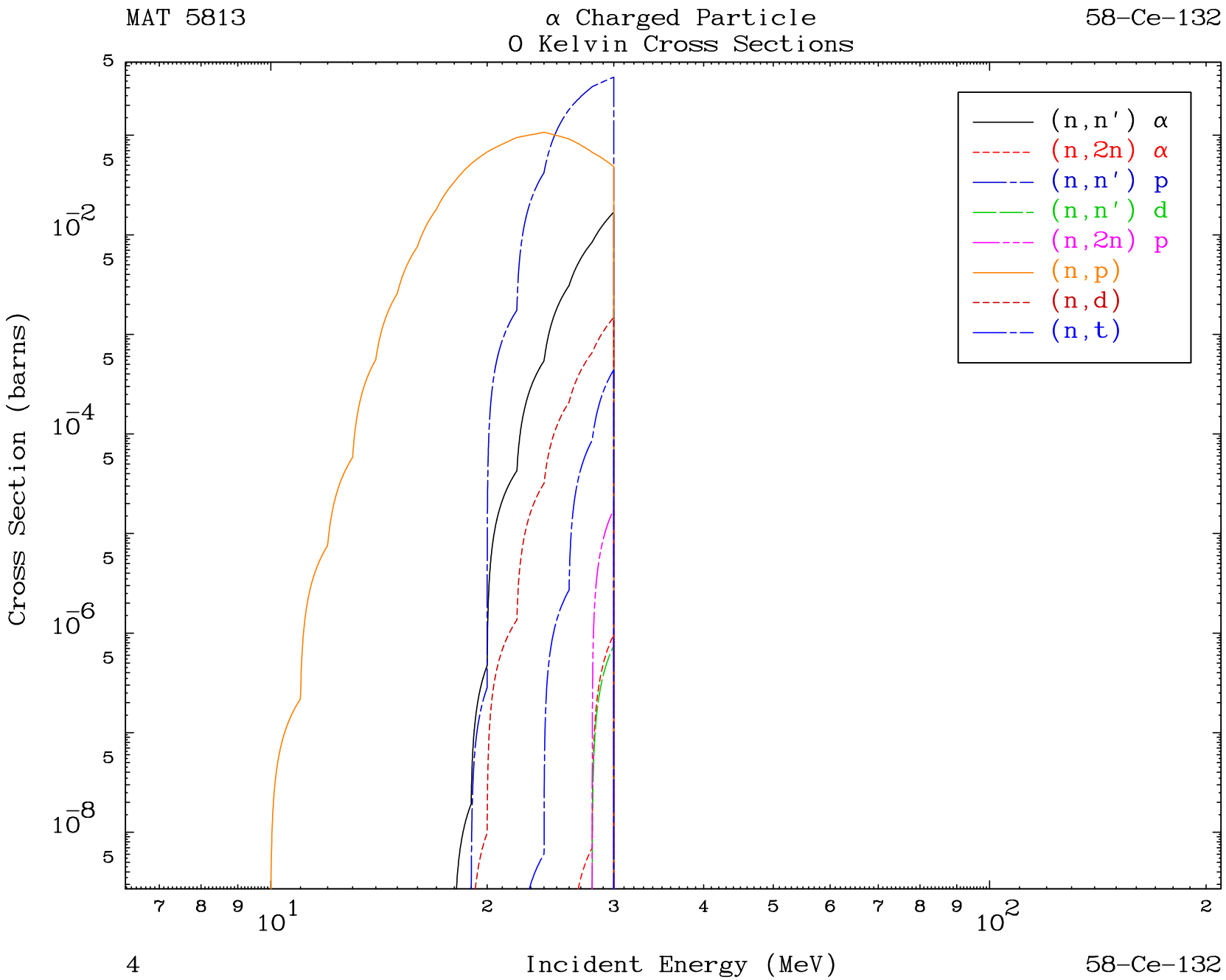
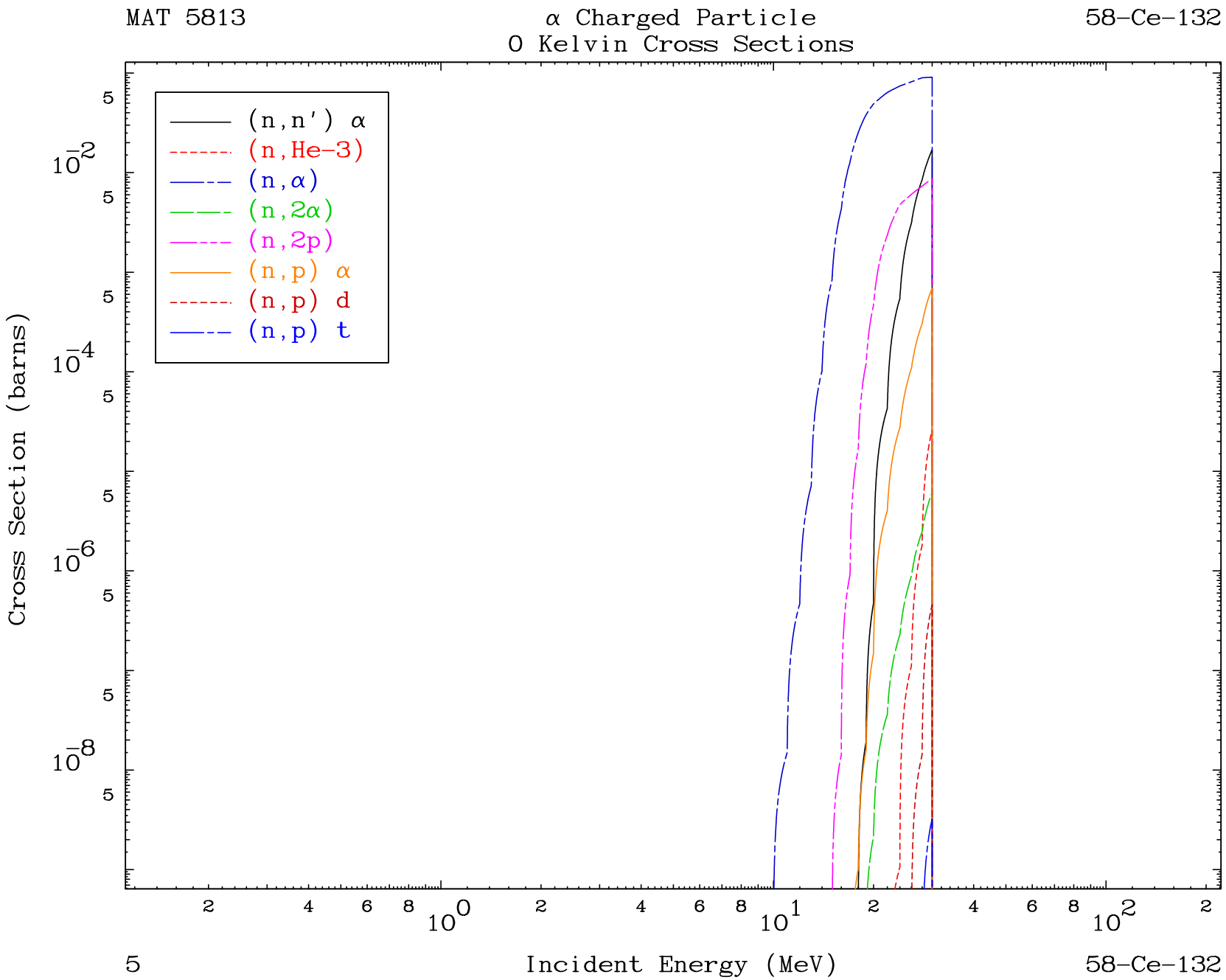
Press Mouse Button to Start

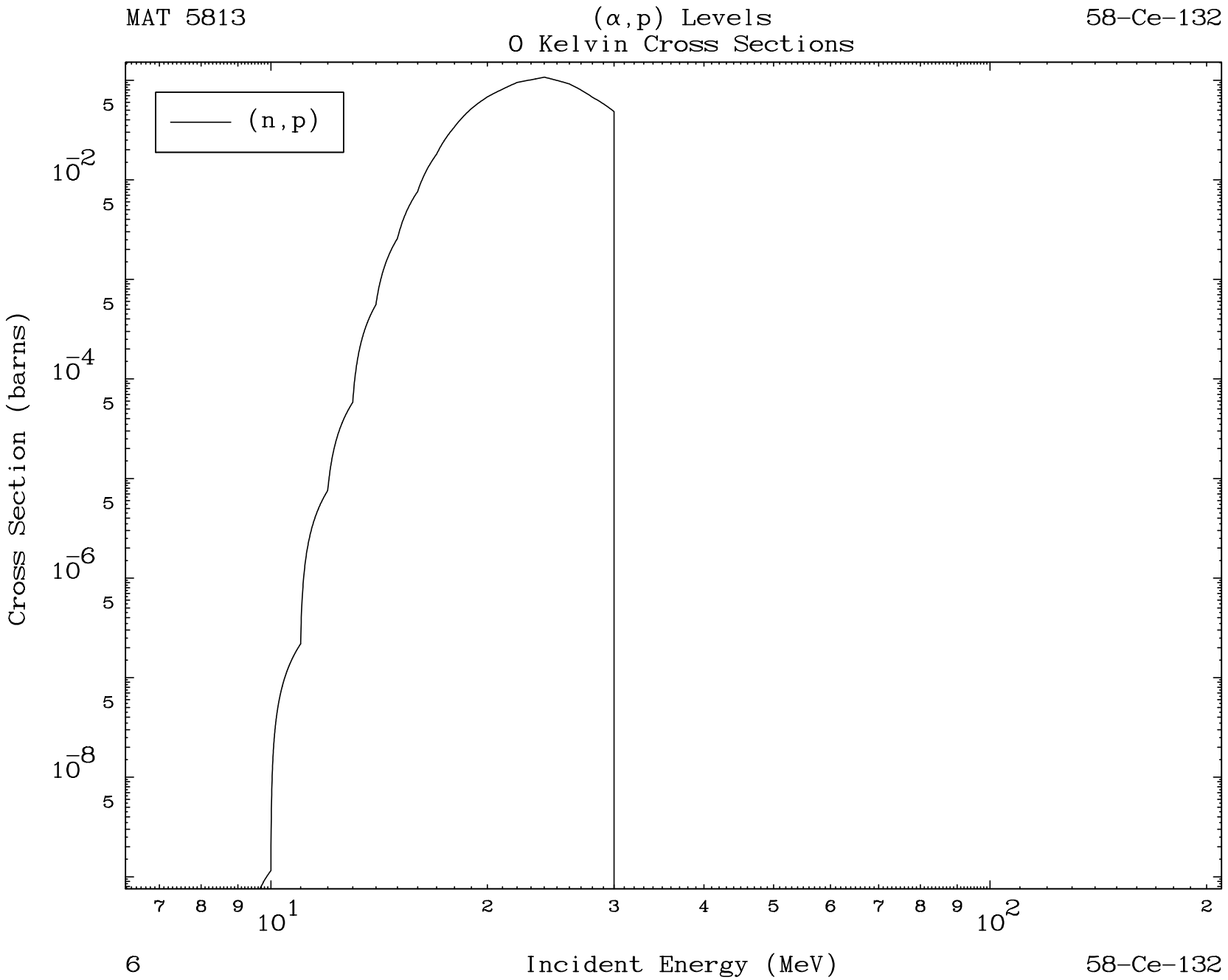

MAT 5813
α Major
58-Ce-132
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-132

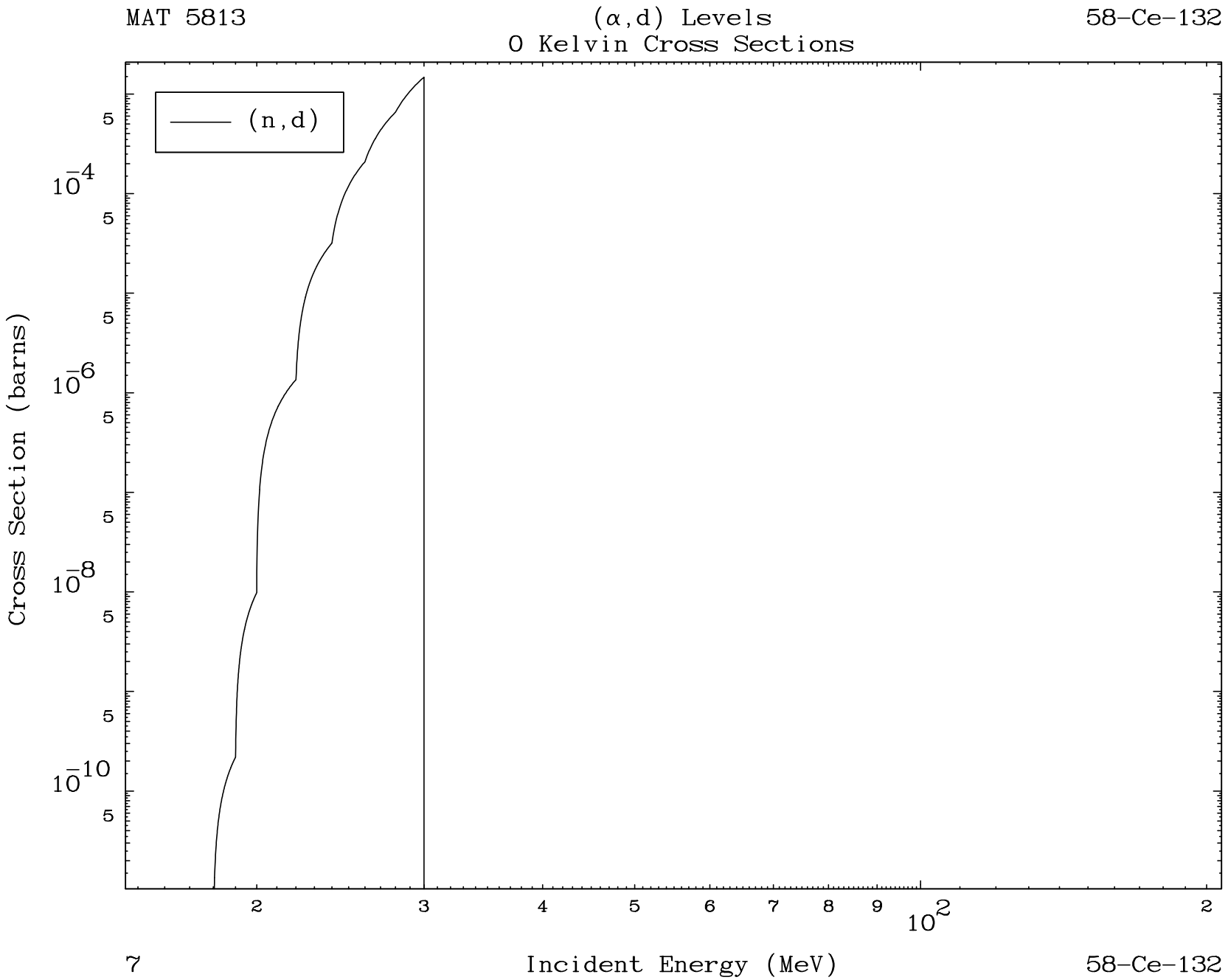

MAT 5813
α Neutron Absorption
0 Kelvin Cross Sections
58-Ce-132
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,2n) p
(n,2n) p
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-132

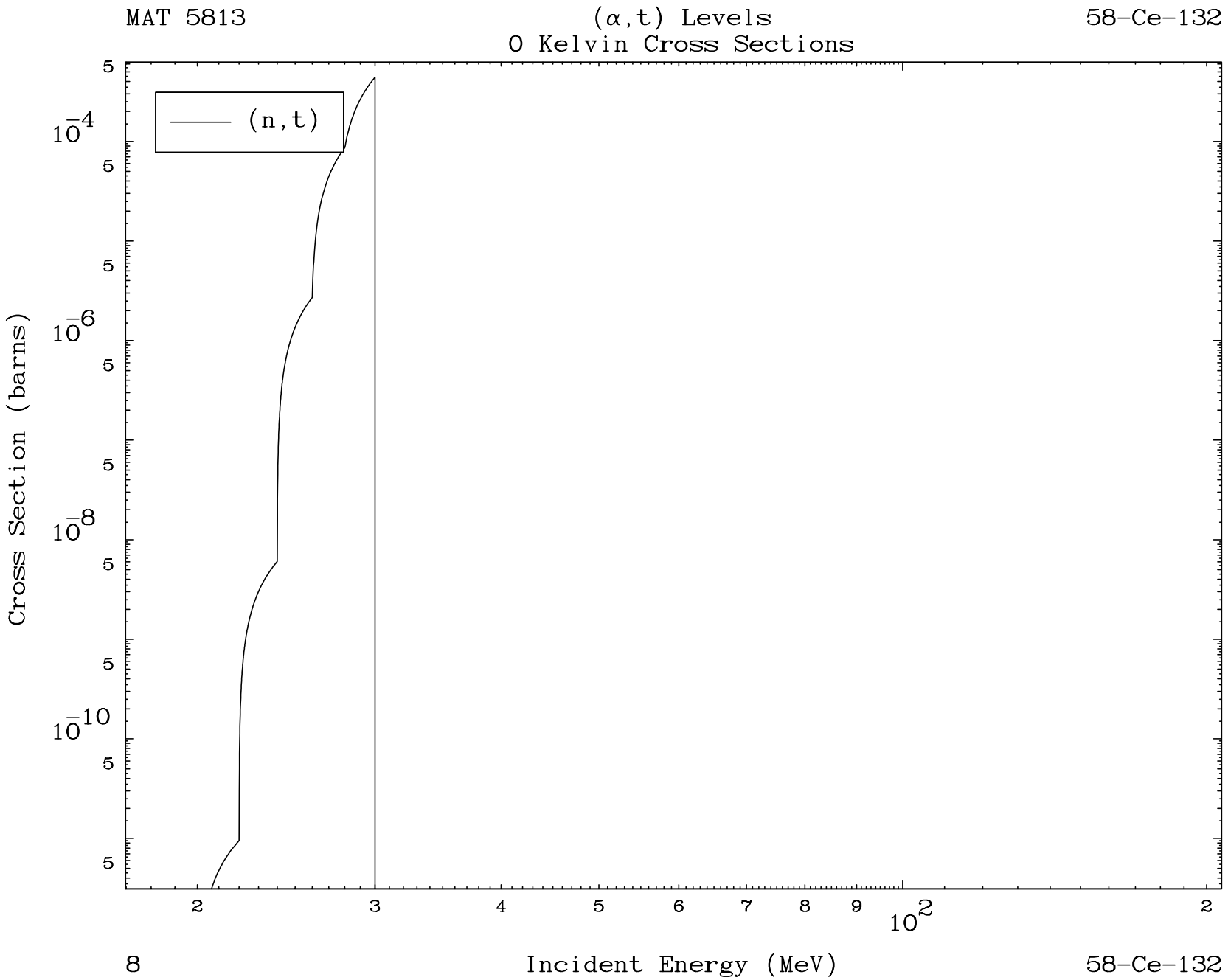

MAT 5813
α Neutron Absorption
0 Kelvin Cross Sections
58-Ce-132
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
3
58-Ce-132

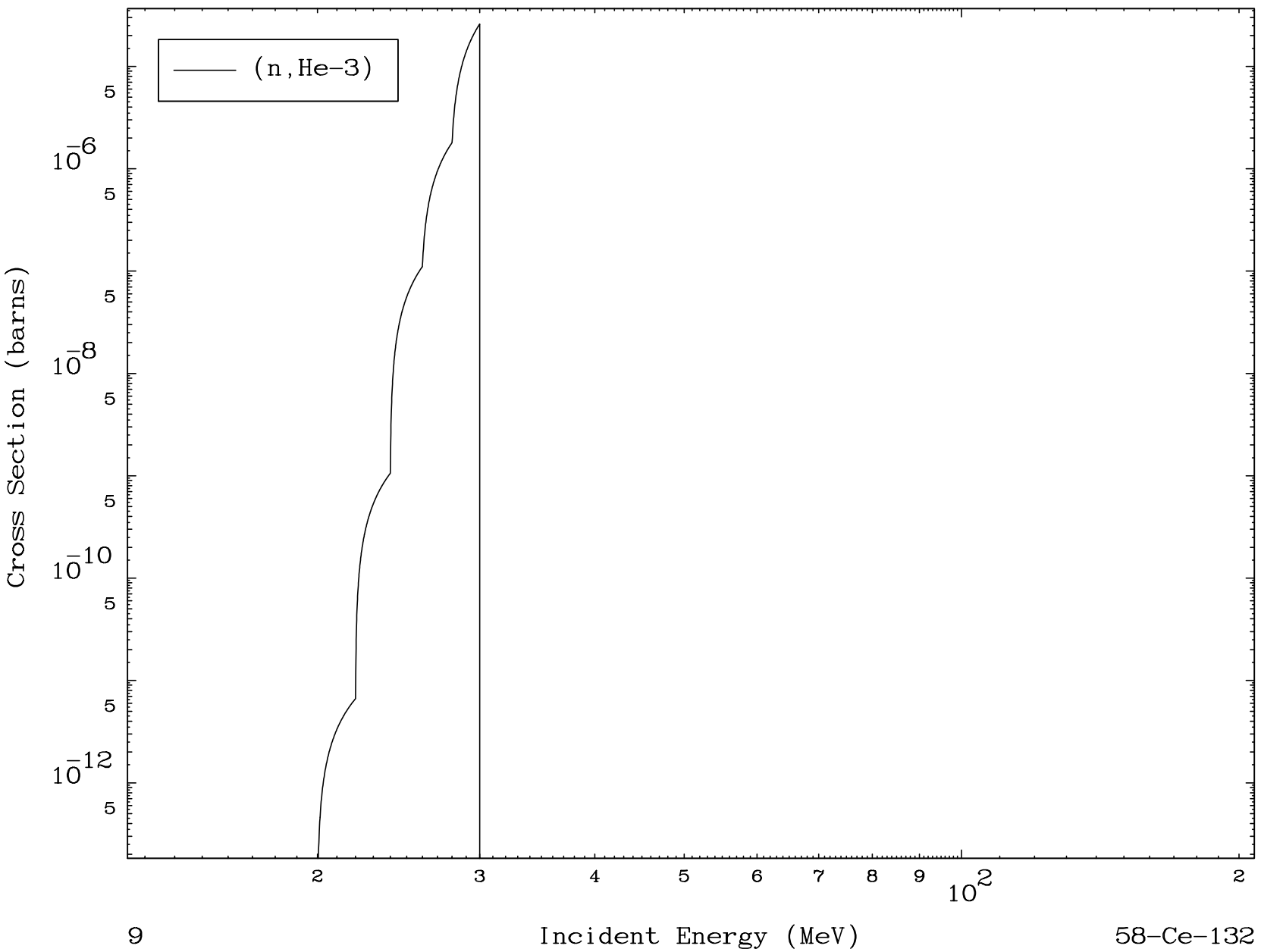

MAT 5813
α Charged Particle
0 Kelvin Cross Sections
58-Ce-132
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,2n) p
(n,p)
(n,d)
(n,t)
4
58-Ce-132

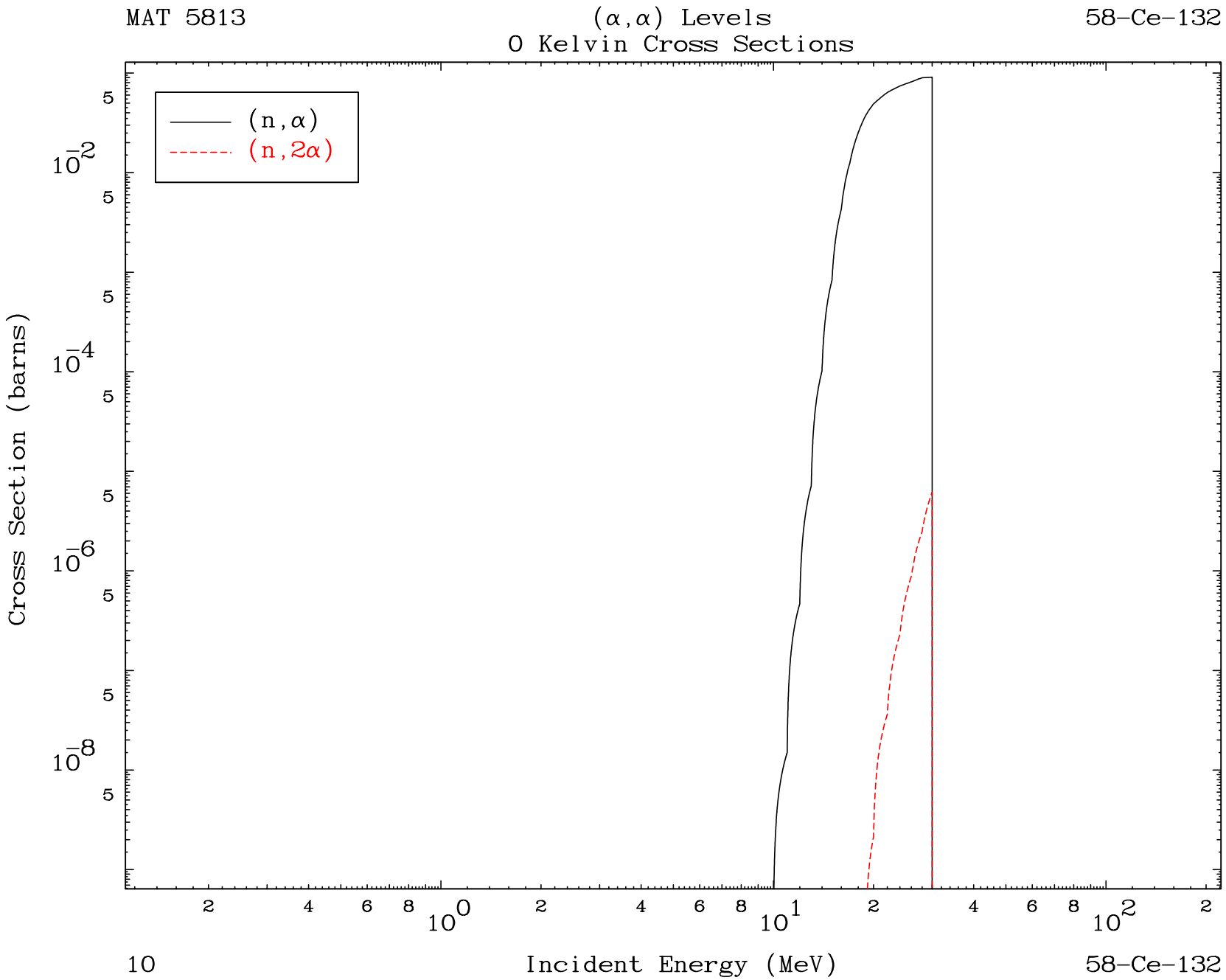

MAT 5813
α Charged Particle
0 Kelvin Cross Sections
58-Ce-132
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
5
58-Ce-132

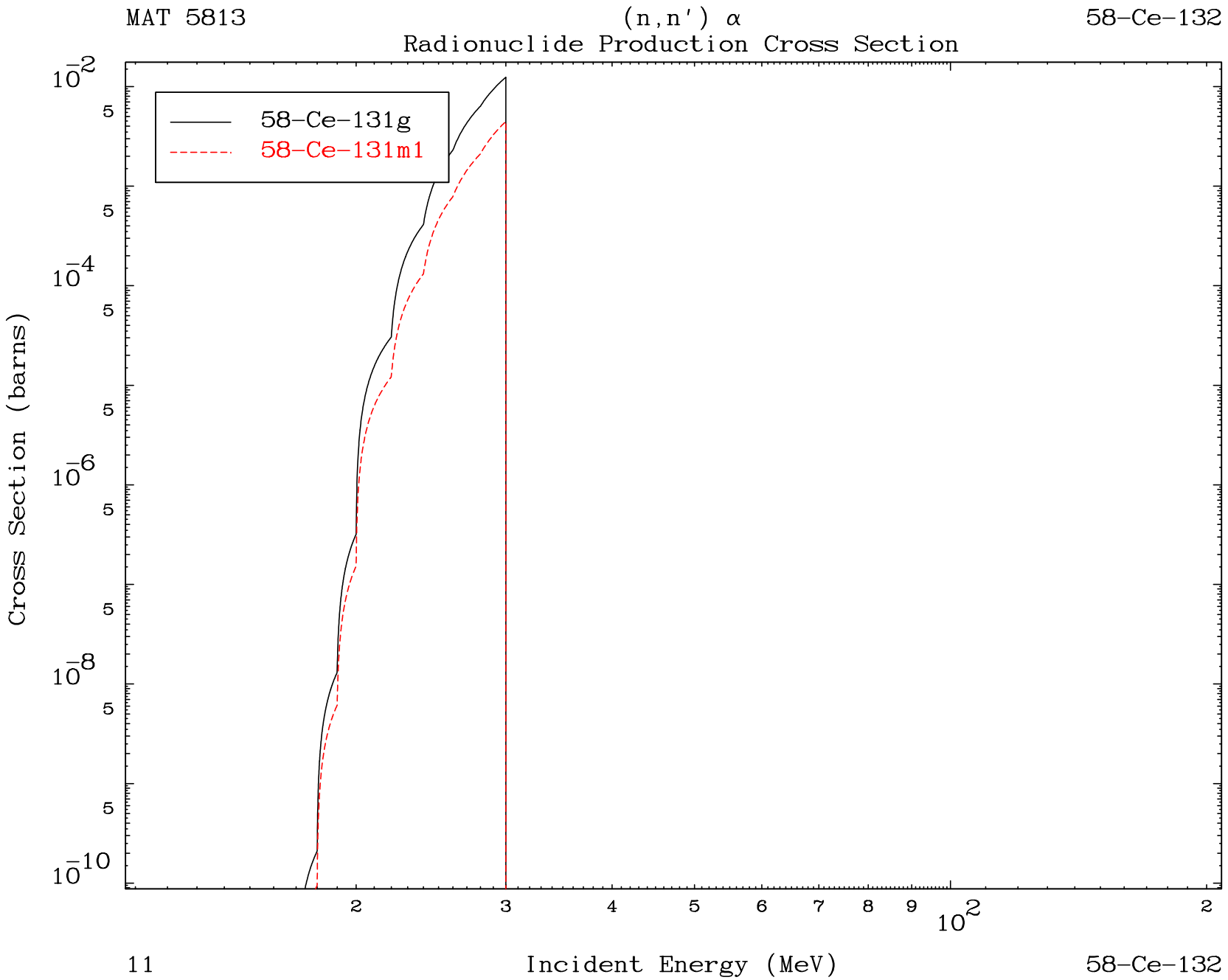

MAT 5813
(α,p) Levels
58-Ce-132
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
6
58-Ce-132

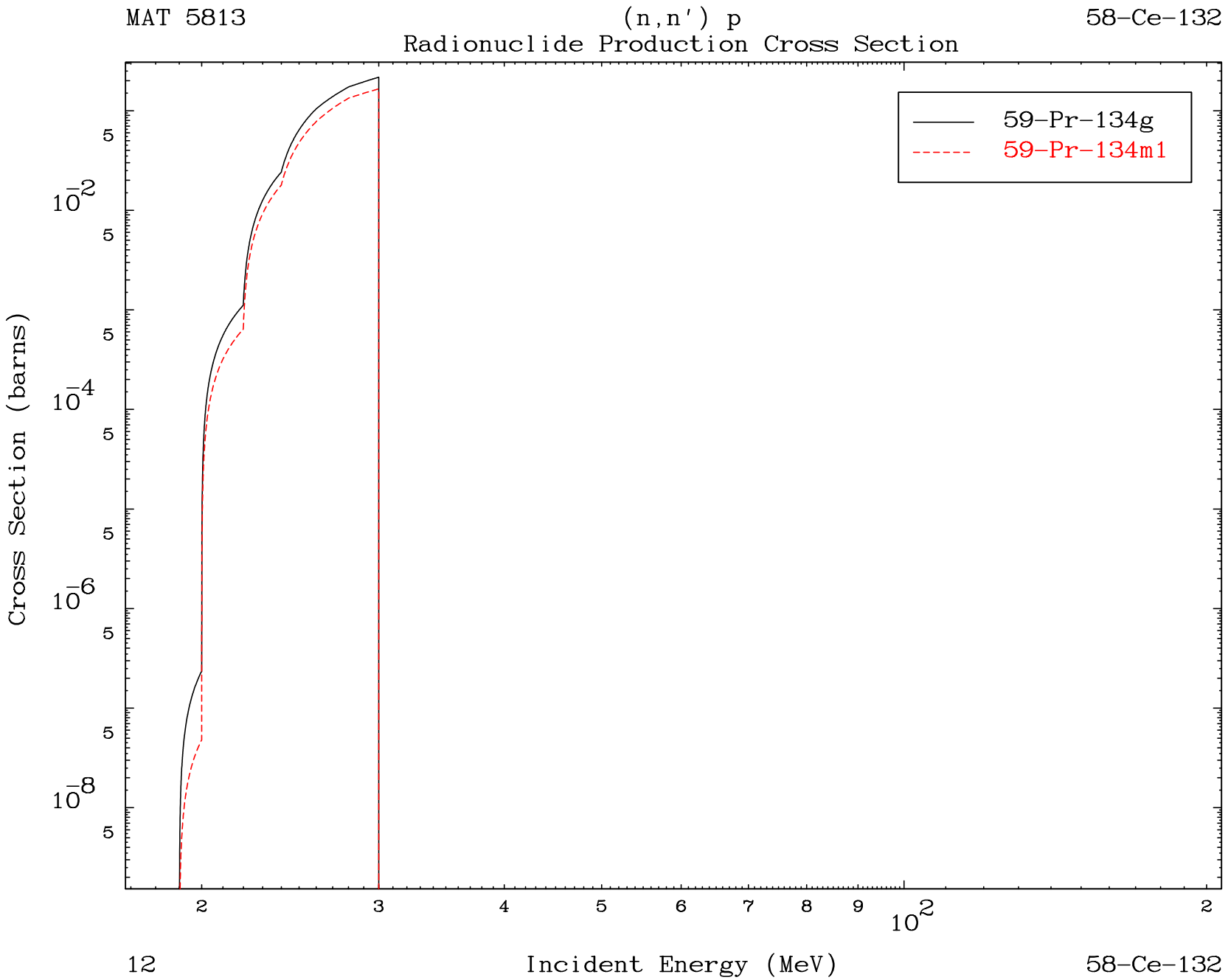

MAT 5813
(α,d) Levels
58-Ce-132
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
58-Ce-132

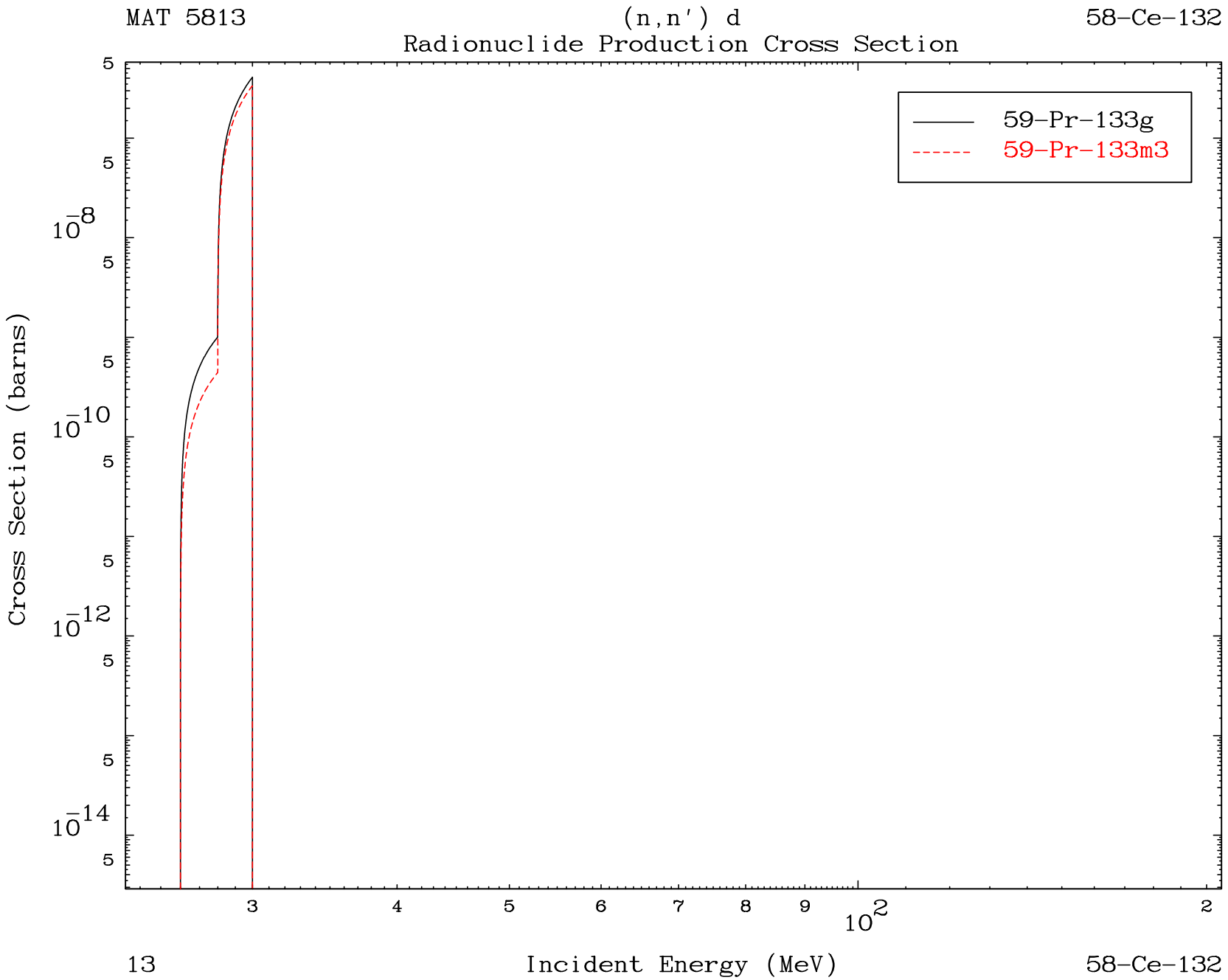

MAT 5813
(α,t) Levels
58-Ce-132
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
8
58-Ce-132

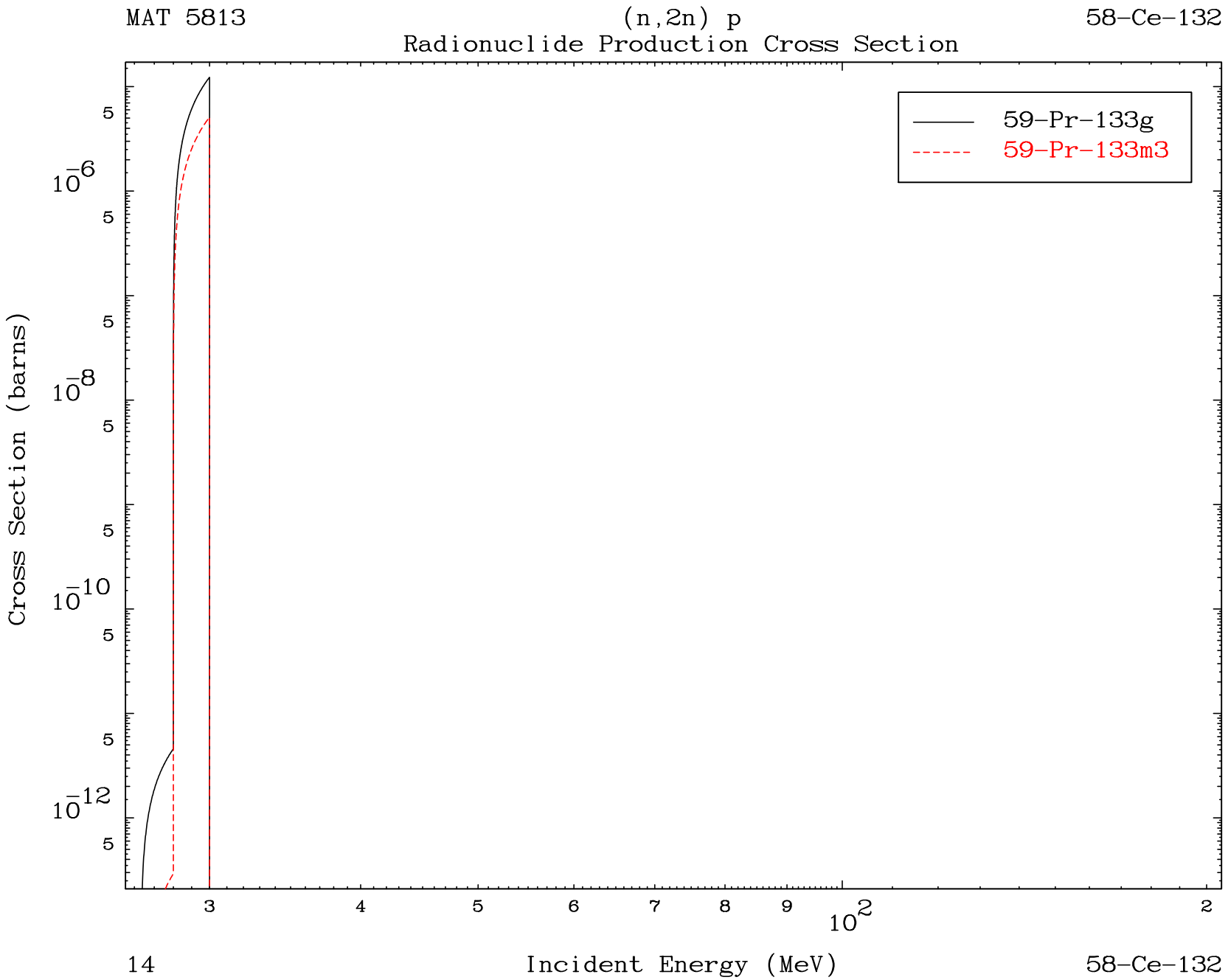

0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

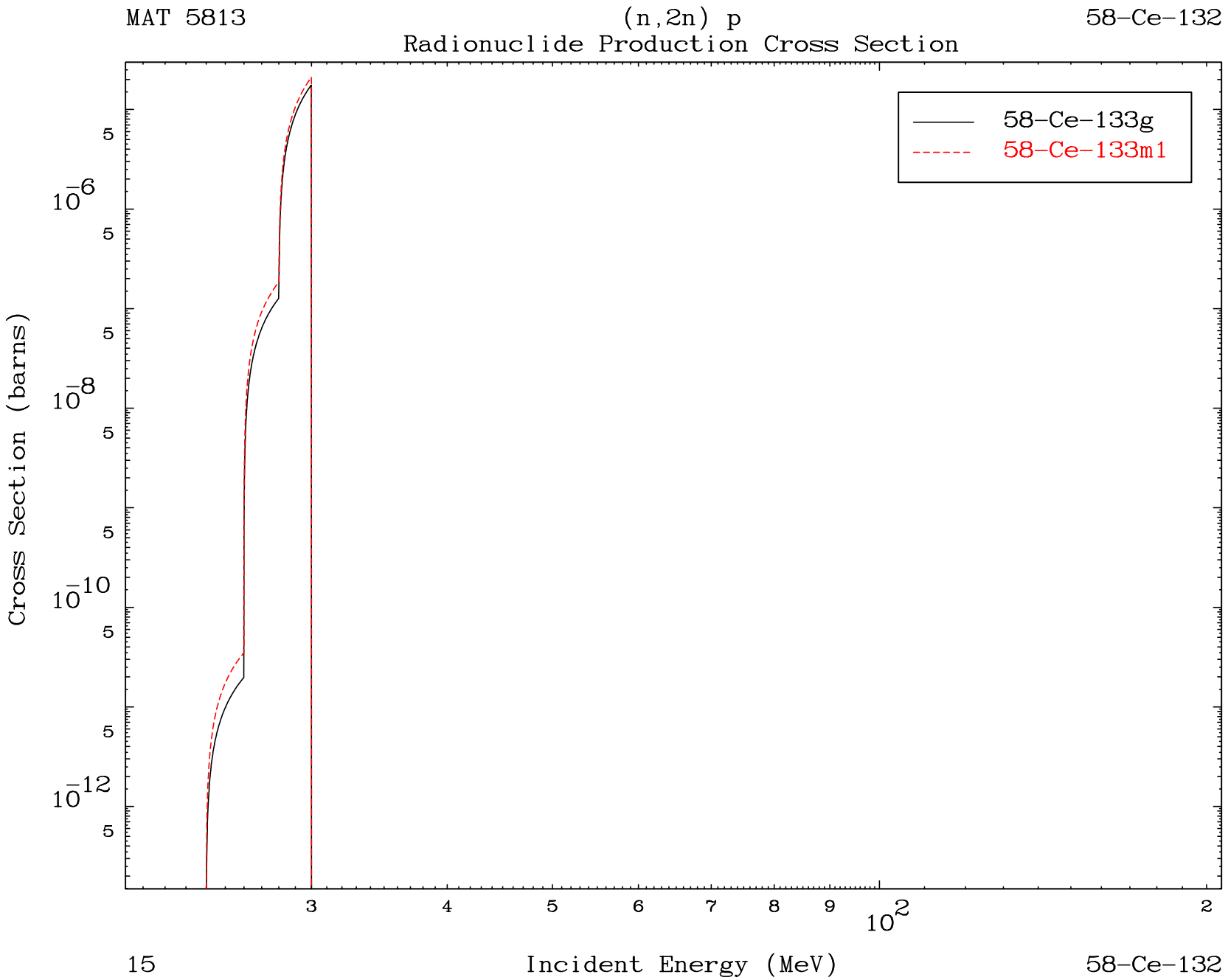

MAT 5813
(α,α) Levels
58-Ce-132
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
58-Ce-132

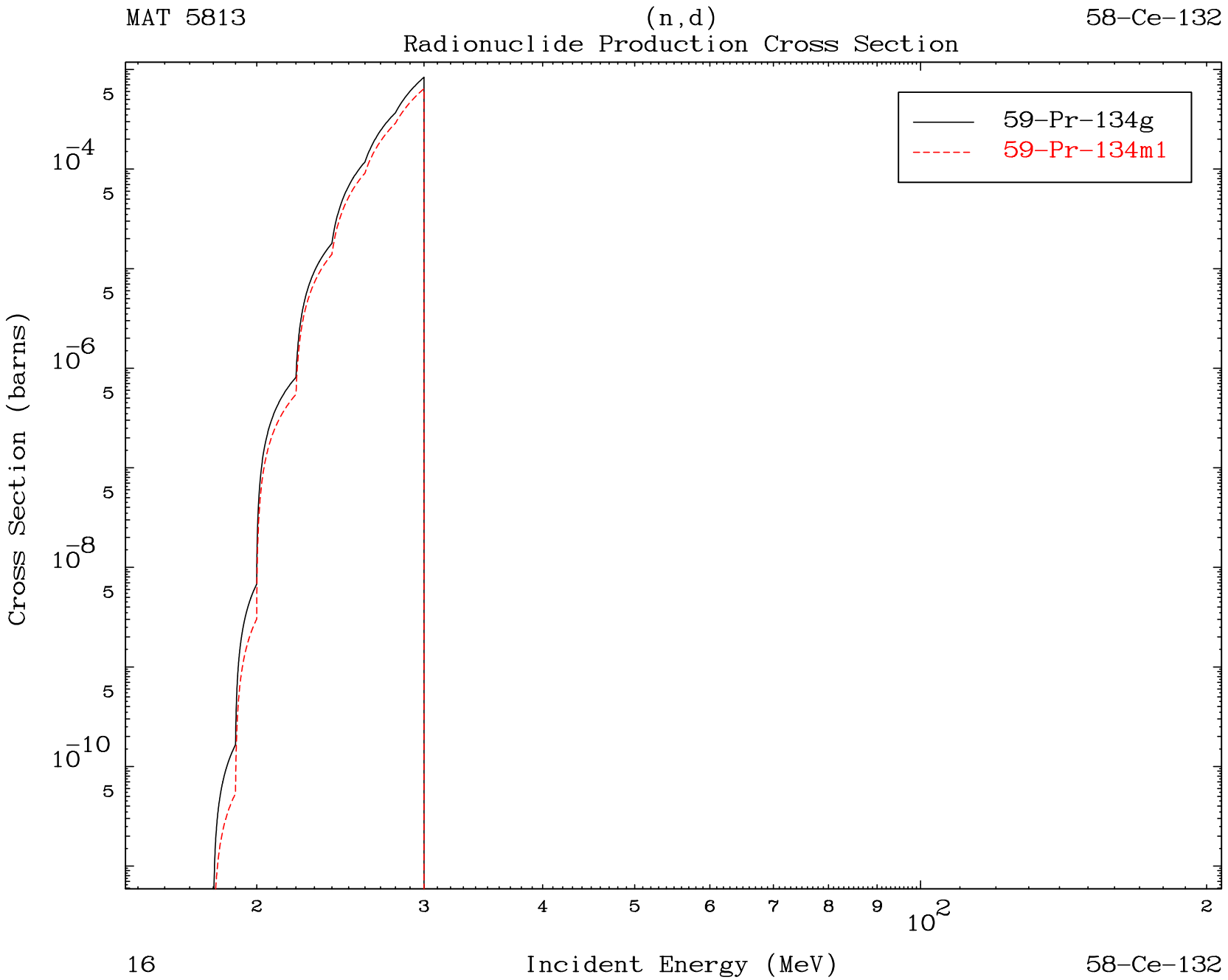

MAT 5813
(n,n') α
58-Ce-132
Radionuclide Production Cross Section
58-Ce-131g
58-Ce-131m1
Cross Section (barns)
Incident Energy (MeV)
11
58-Ce-132

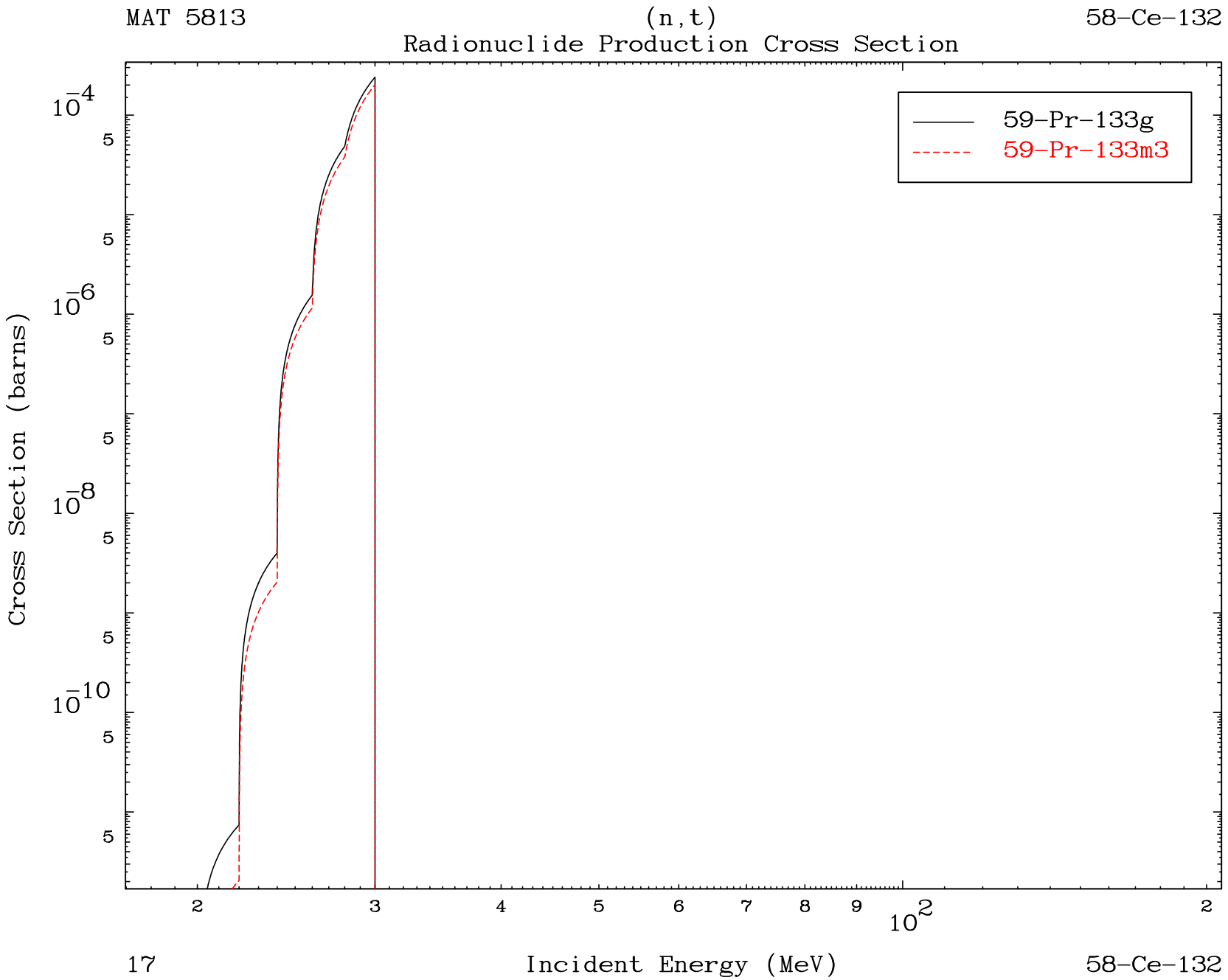

MAT 5813
(n,n') p
58-Ce-132
Radionuclide Production Cross Section
59-Pr-134g
59-Pr-134m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
58-Ce-132

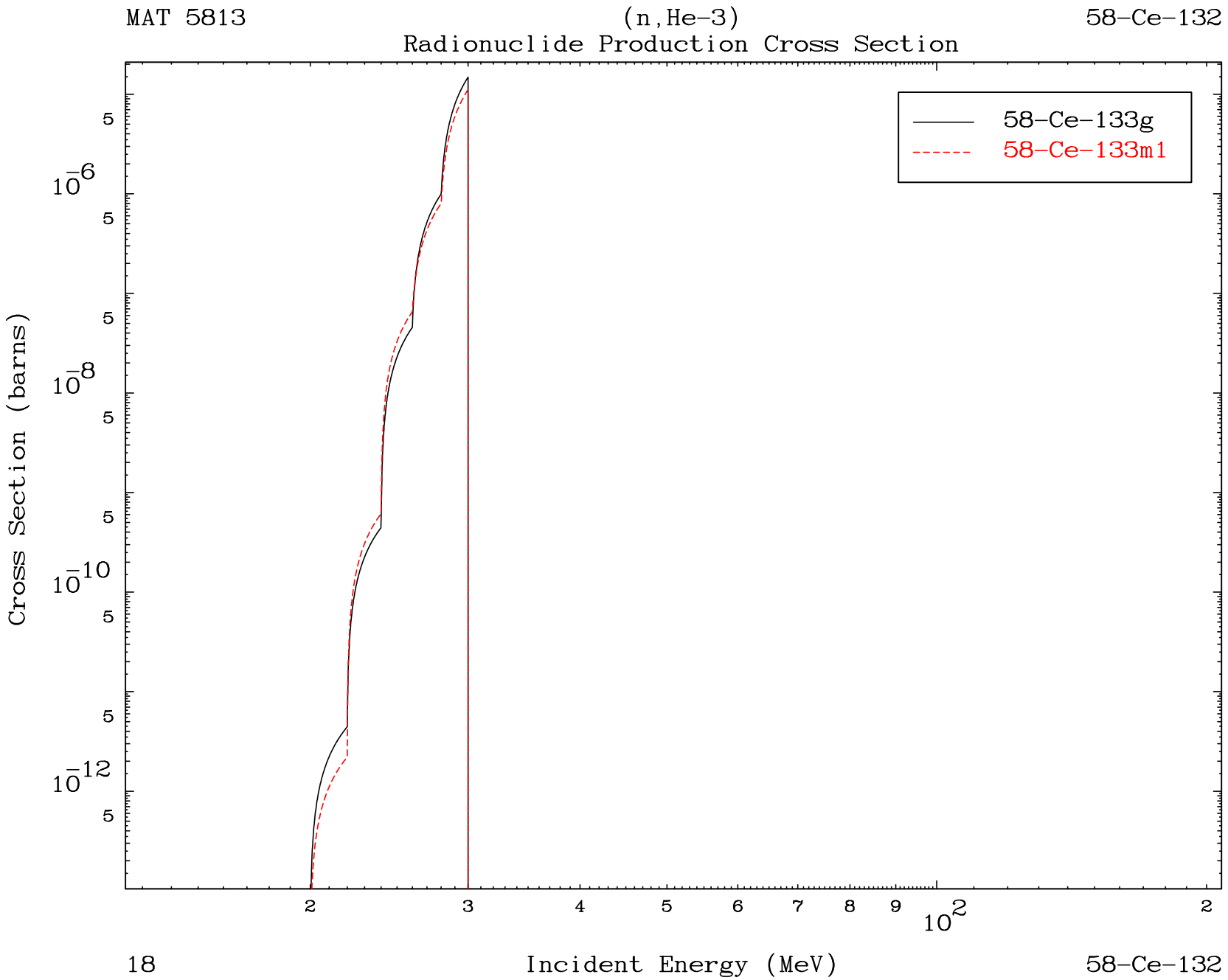

MAT 5813
(n,n') d
58-Ce-132
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
Incident Energy (MeV)
13
58-Ce-132

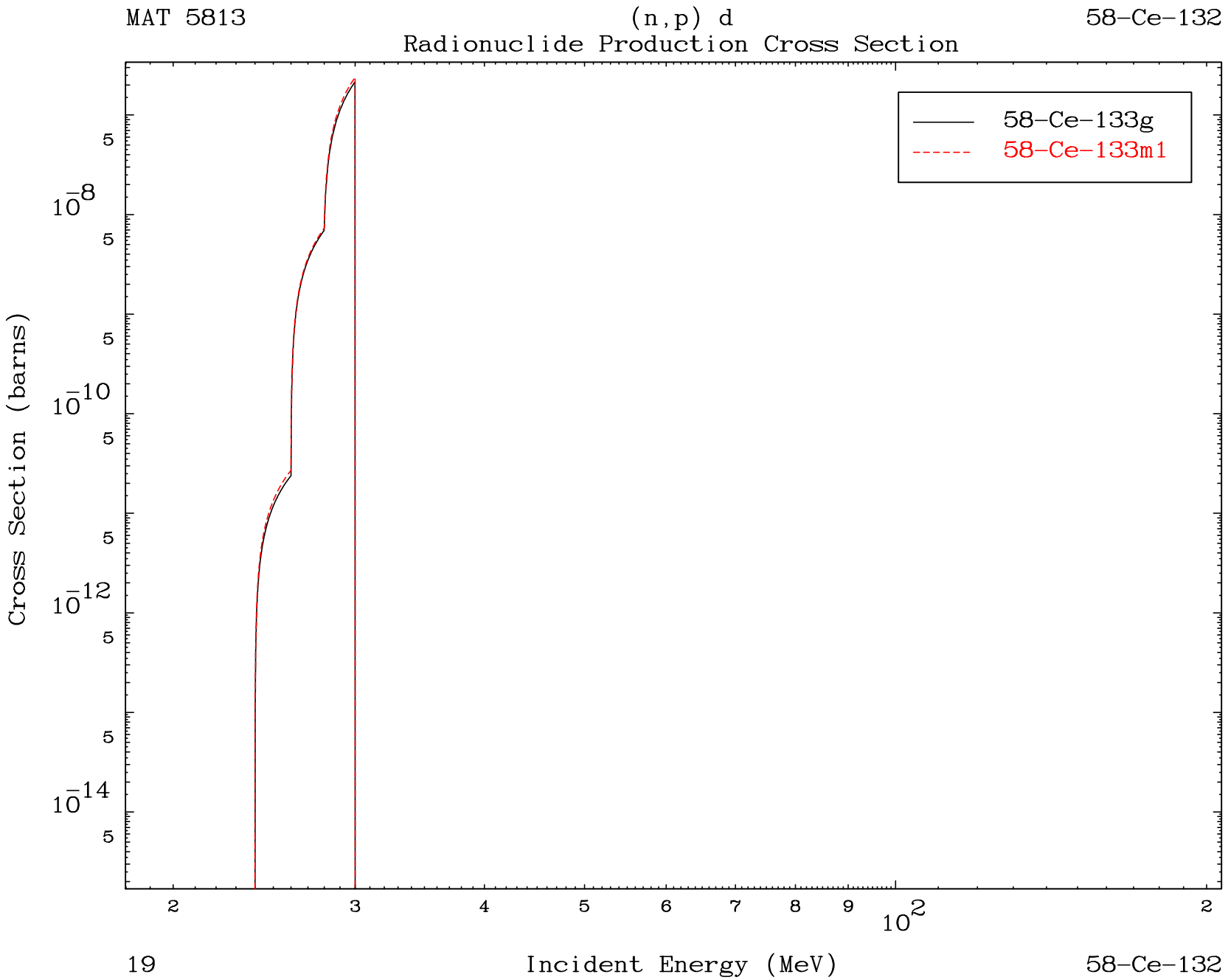

MAT 5813
(n,2n) p
58-Ce-132
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
58-Ce-132


MAT 5813
(n,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
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
58-Ce-132


MAT 5813
(n,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
(n,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
(n,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
(n,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
102
2
19
Incident Energy (MeV)
58-Ce-132