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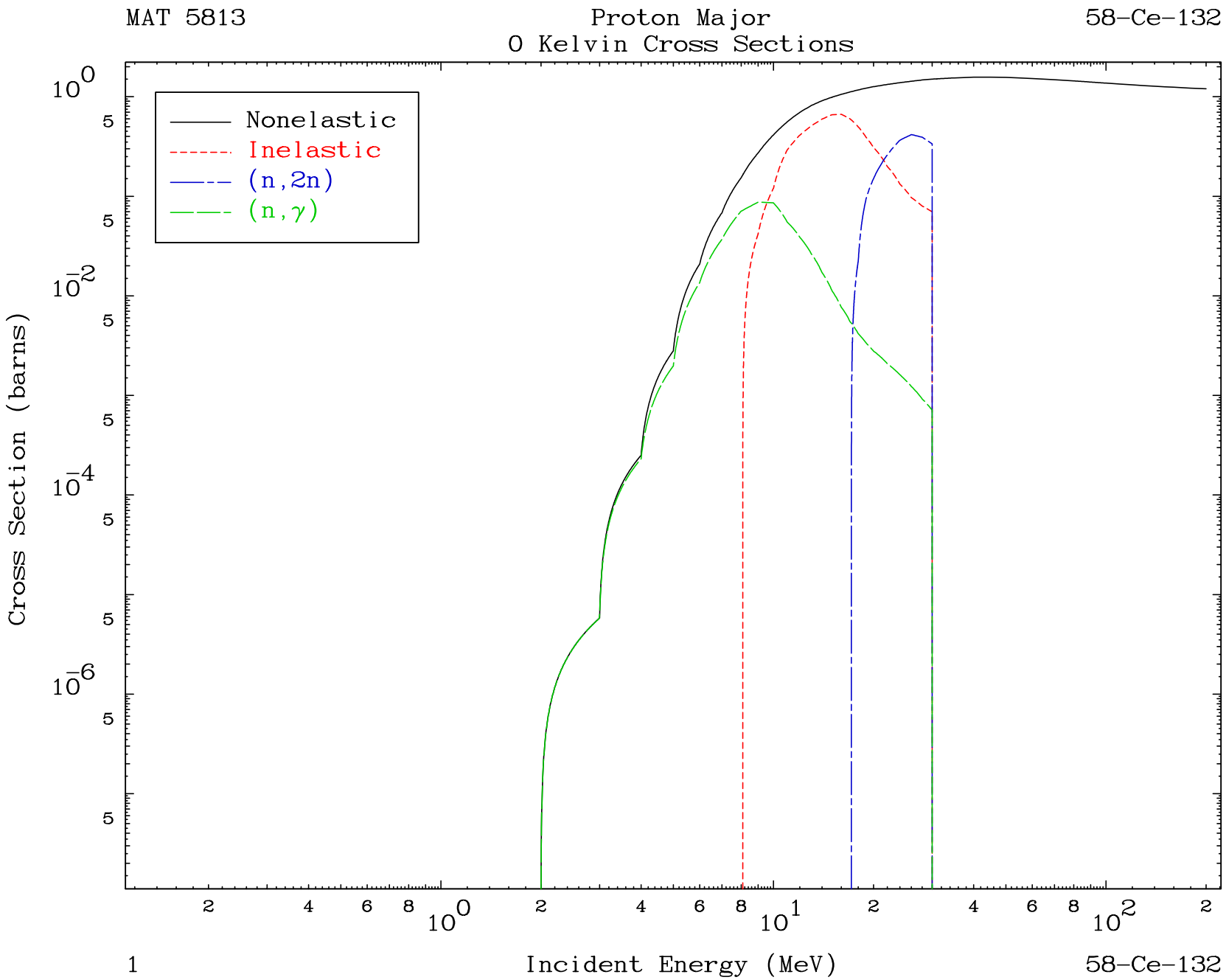
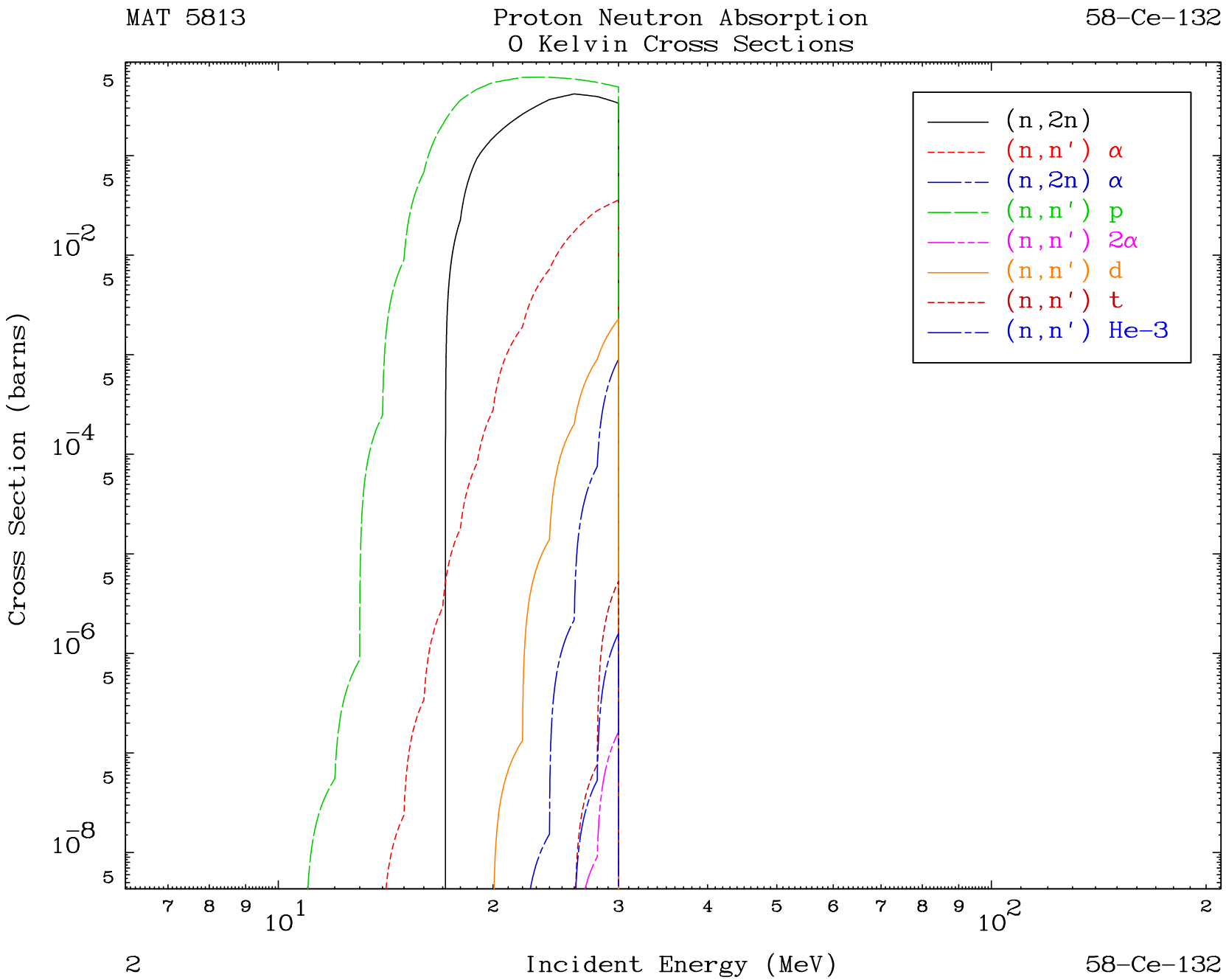
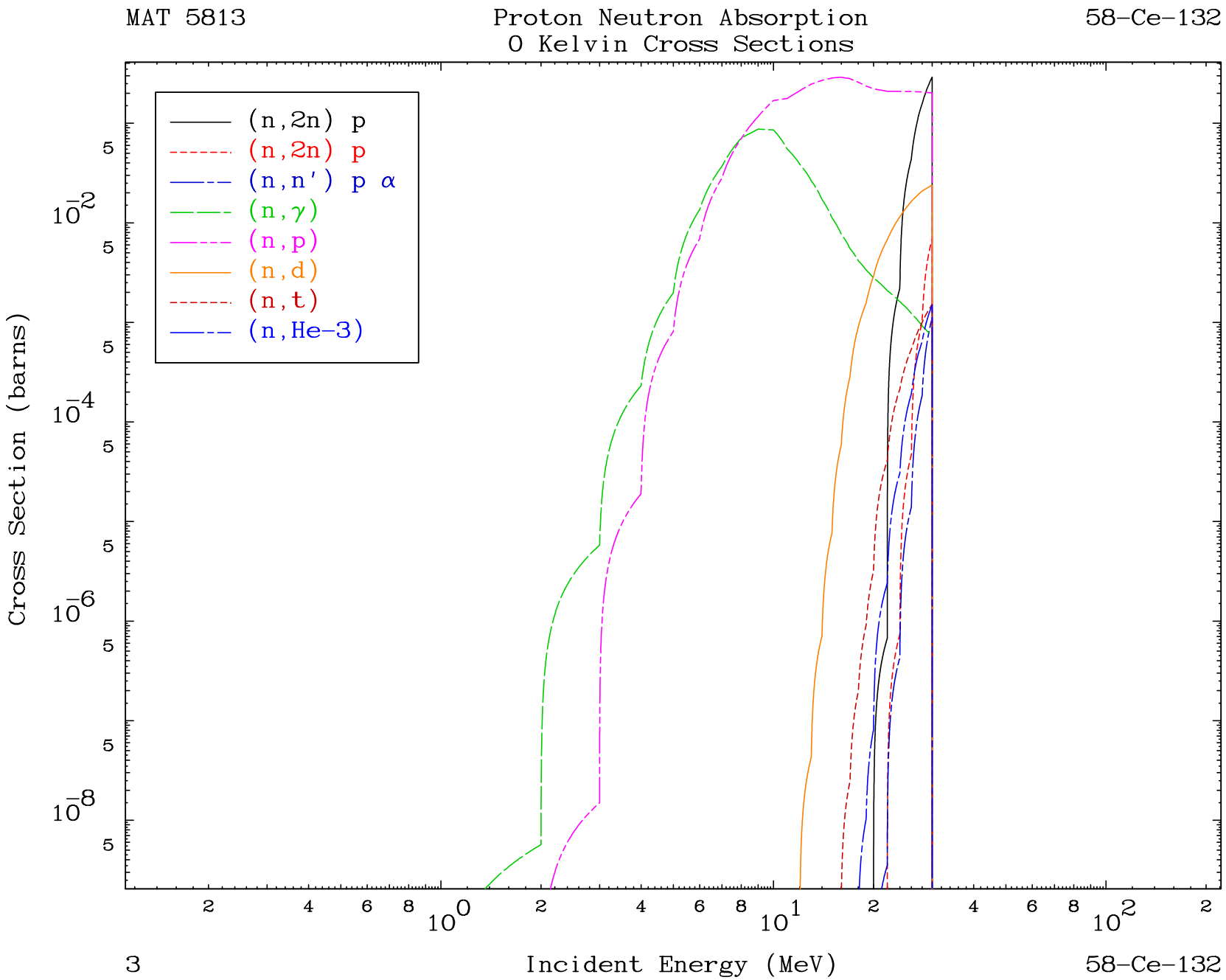
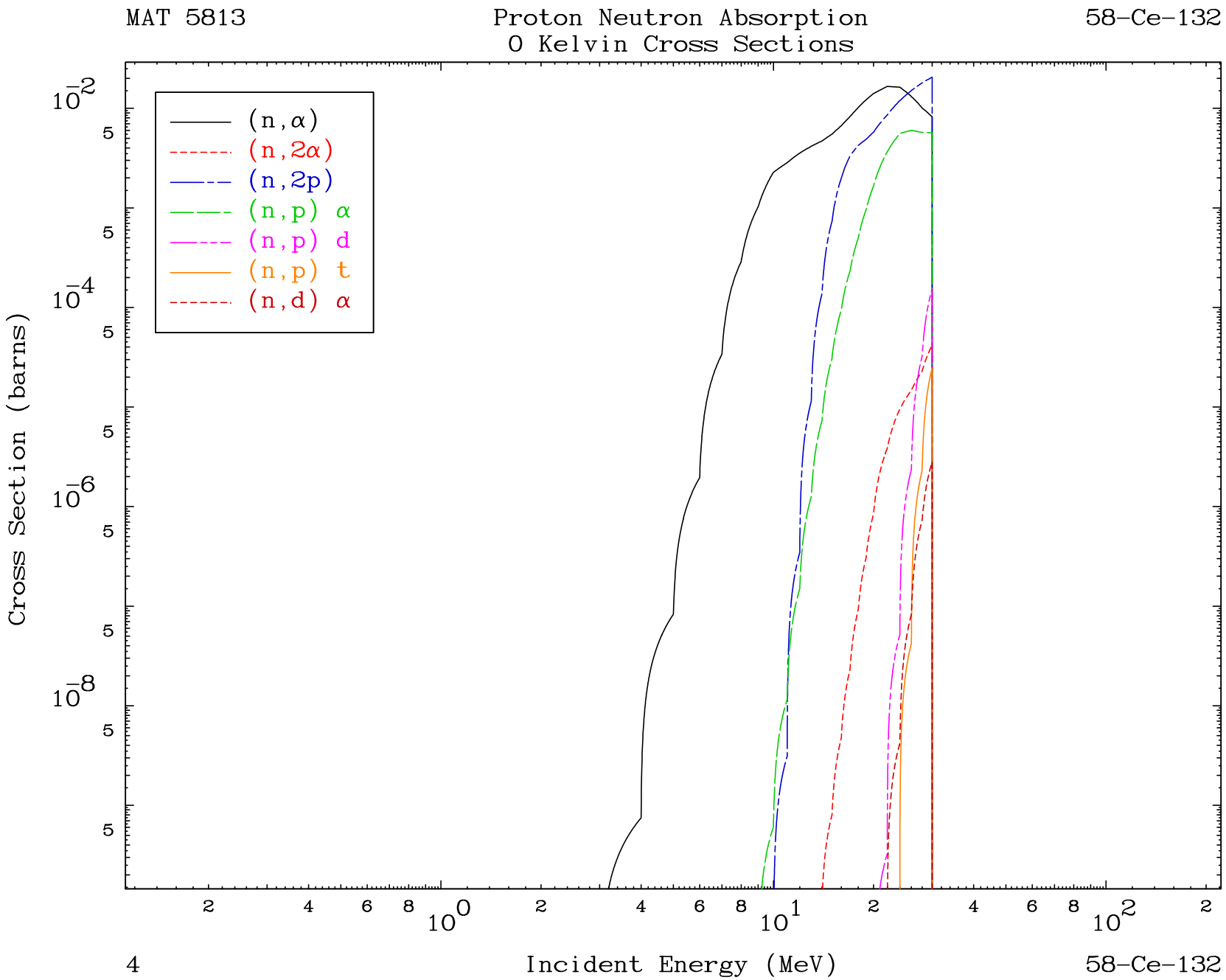
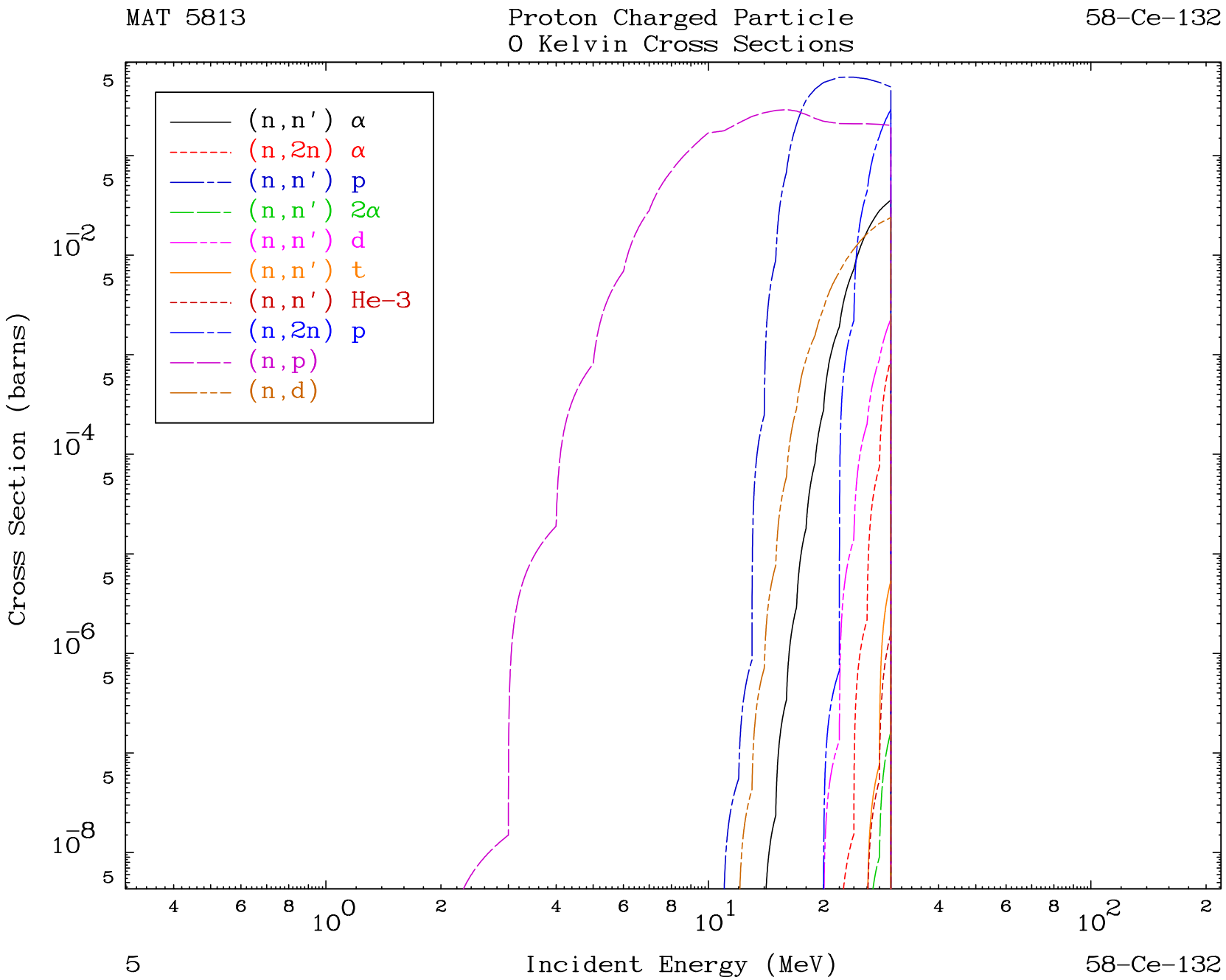
Press Mouse Button to Start

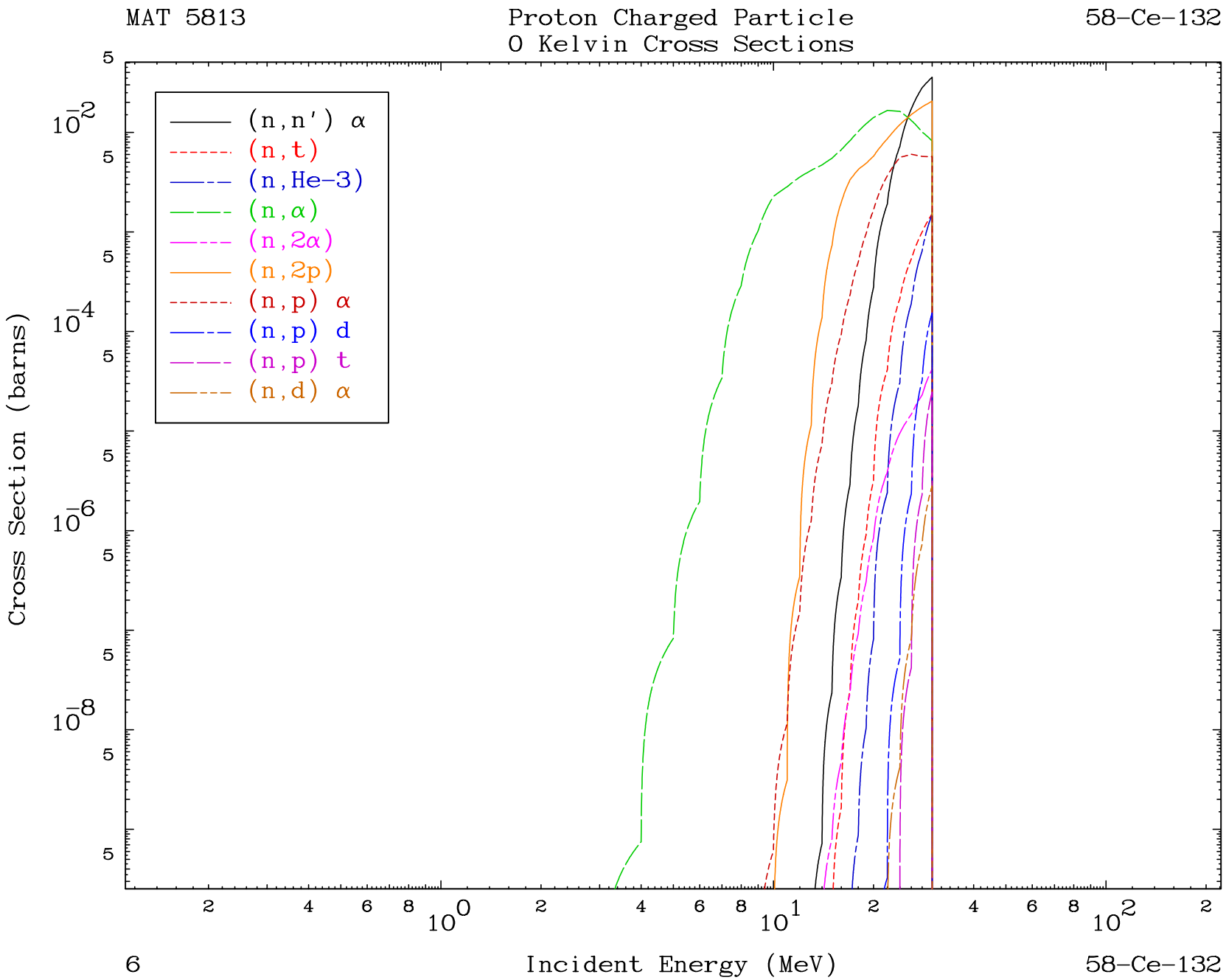

MAT 5813
Proton Major
58-Ce-132
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-132
1

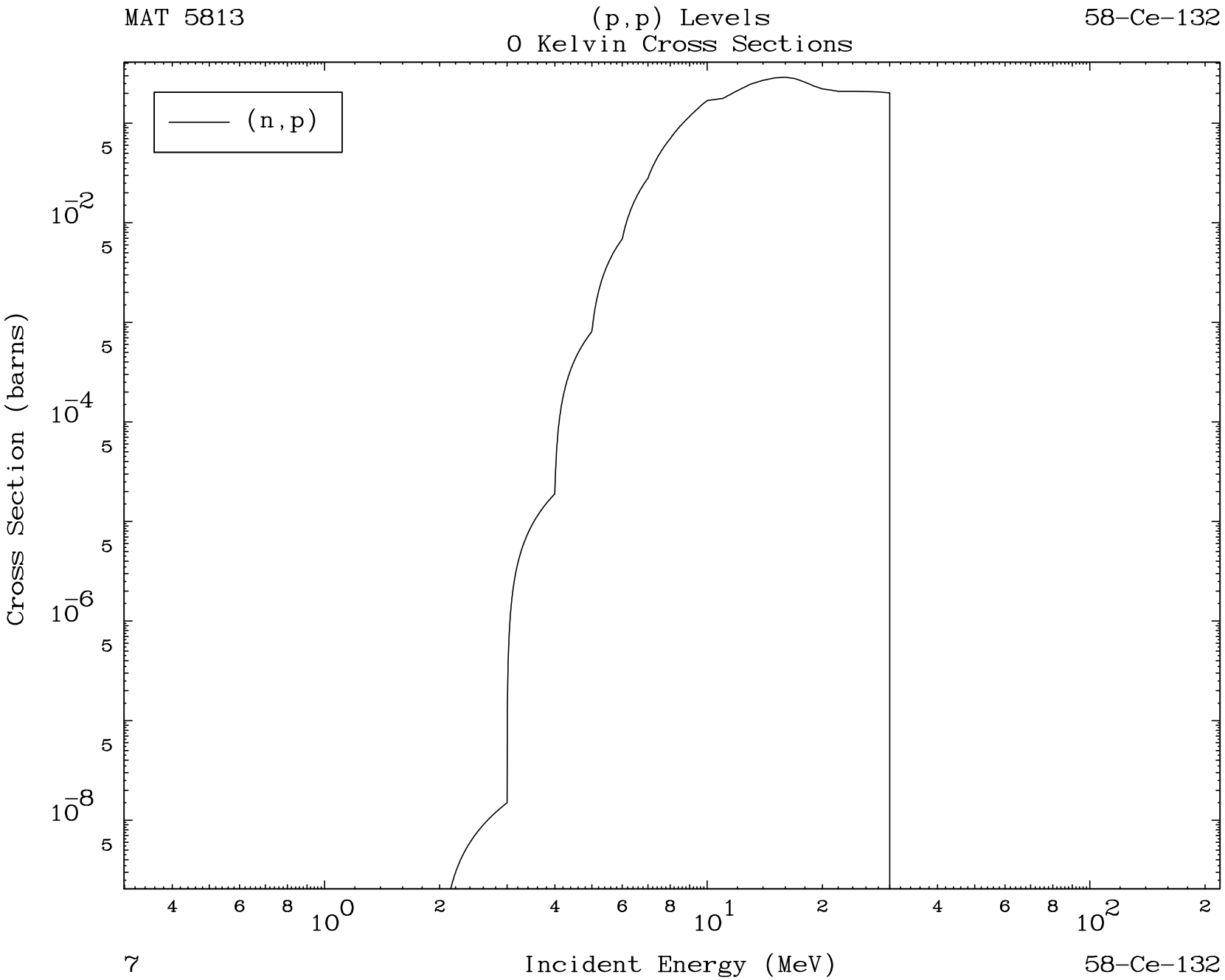

MAT 5813
Proton Neutron Absorption
0 Kelvin Cross Sections
58-Ce-132
Cross Section (barns)
Incident Energy (MeV)
58-Ce-132
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3

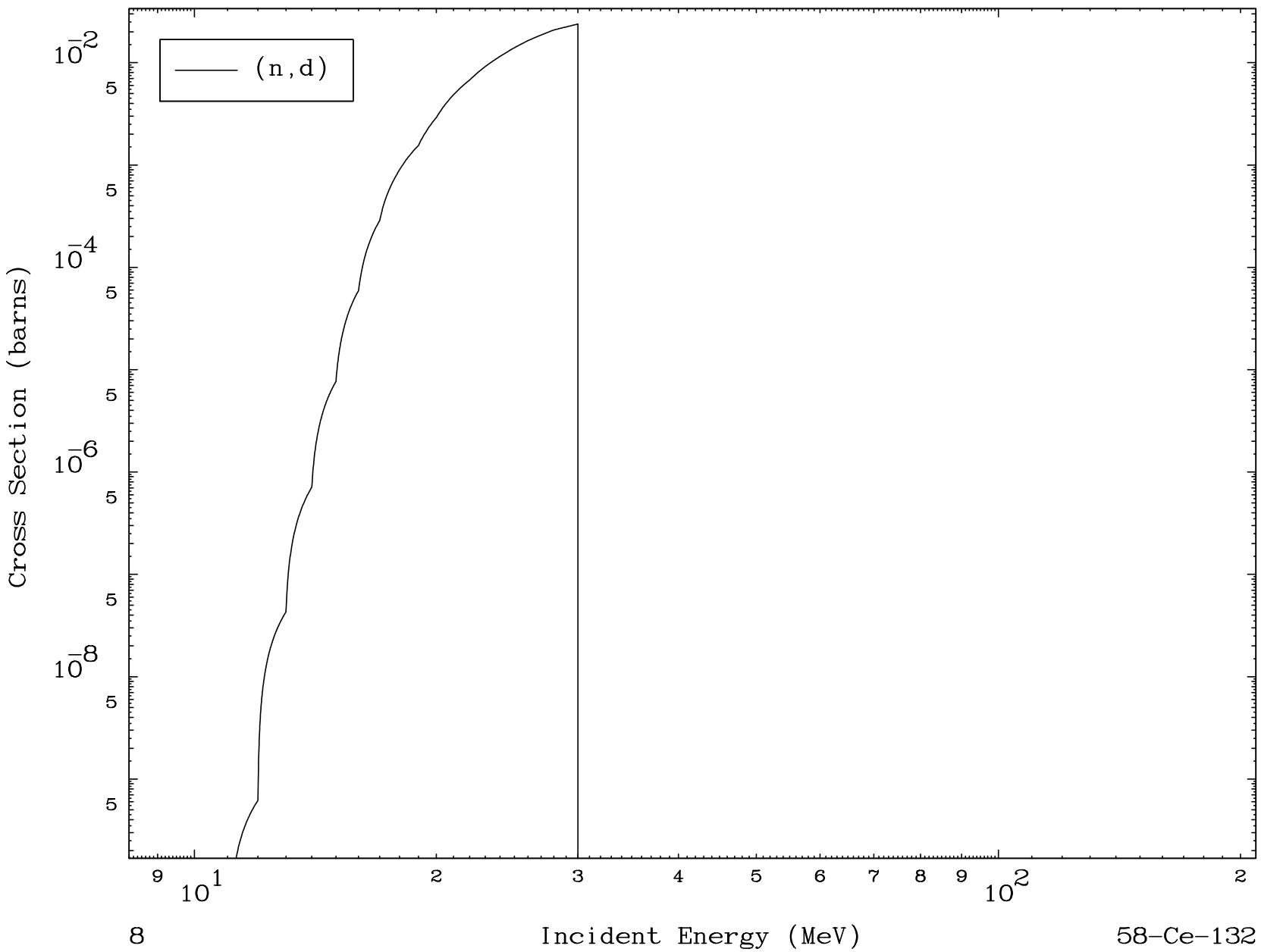

MAT 5813
Proton Neutron Absorption
0 Kelvin Cross Sections
58-Ce-132
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
3
58-Ce-132

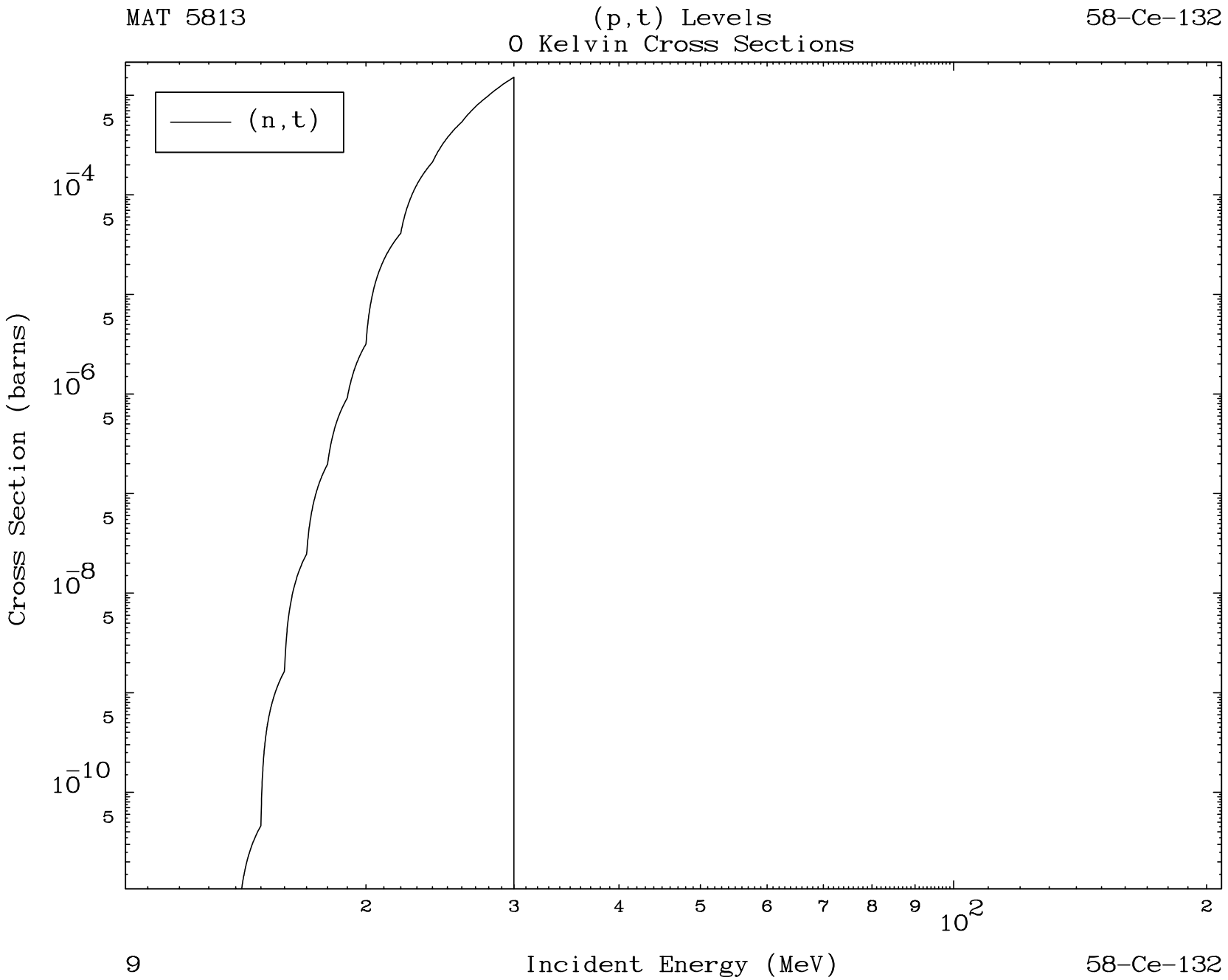

MAT 5813
Proton Neutron Absorption
0 Kelvin Cross Sections
58-Ce-132
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
58-Ce-132

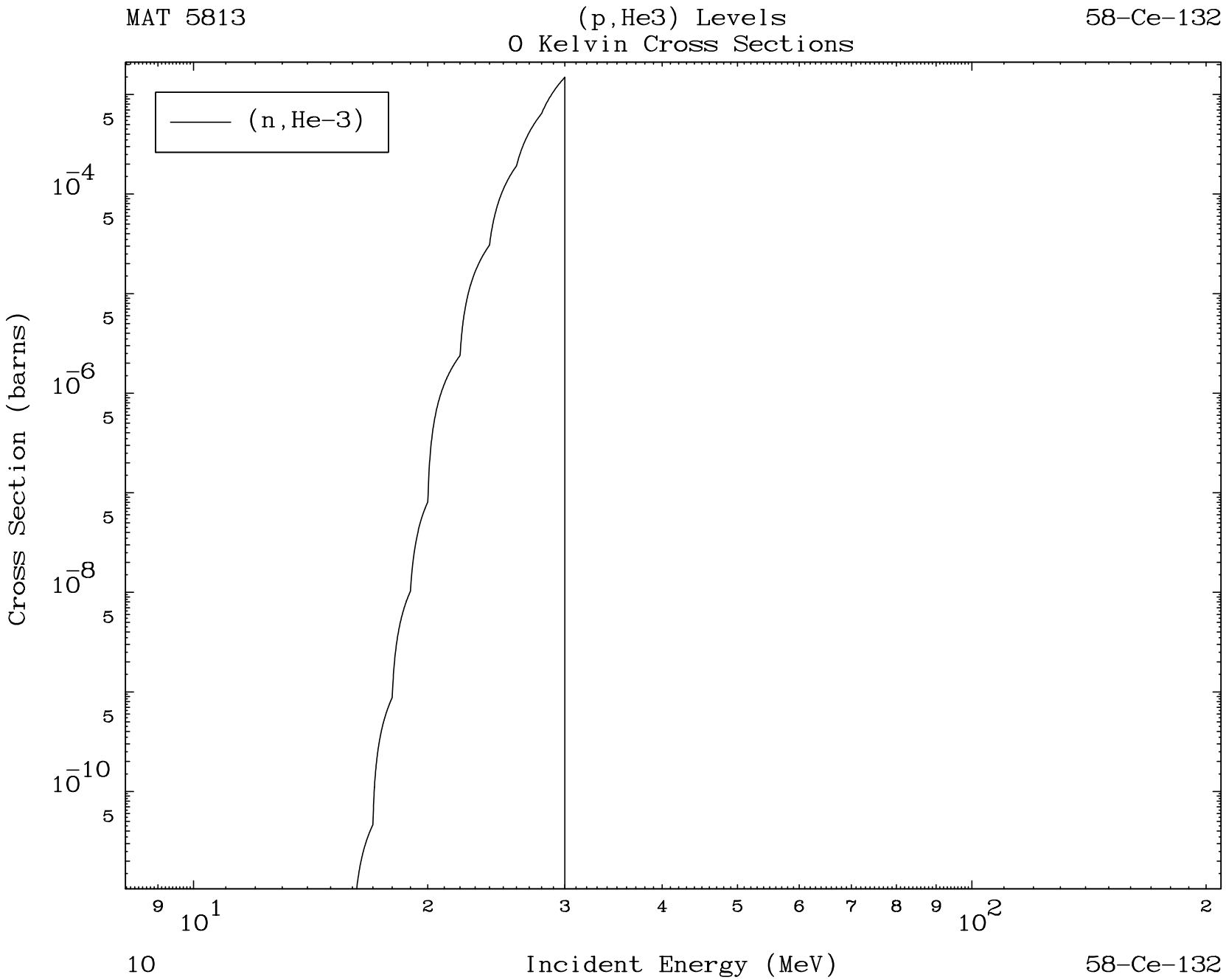

MAT 5813
Proton Charged Particle
0 Kelvin Cross Sections
58-Ce-132
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
58-Ce-132

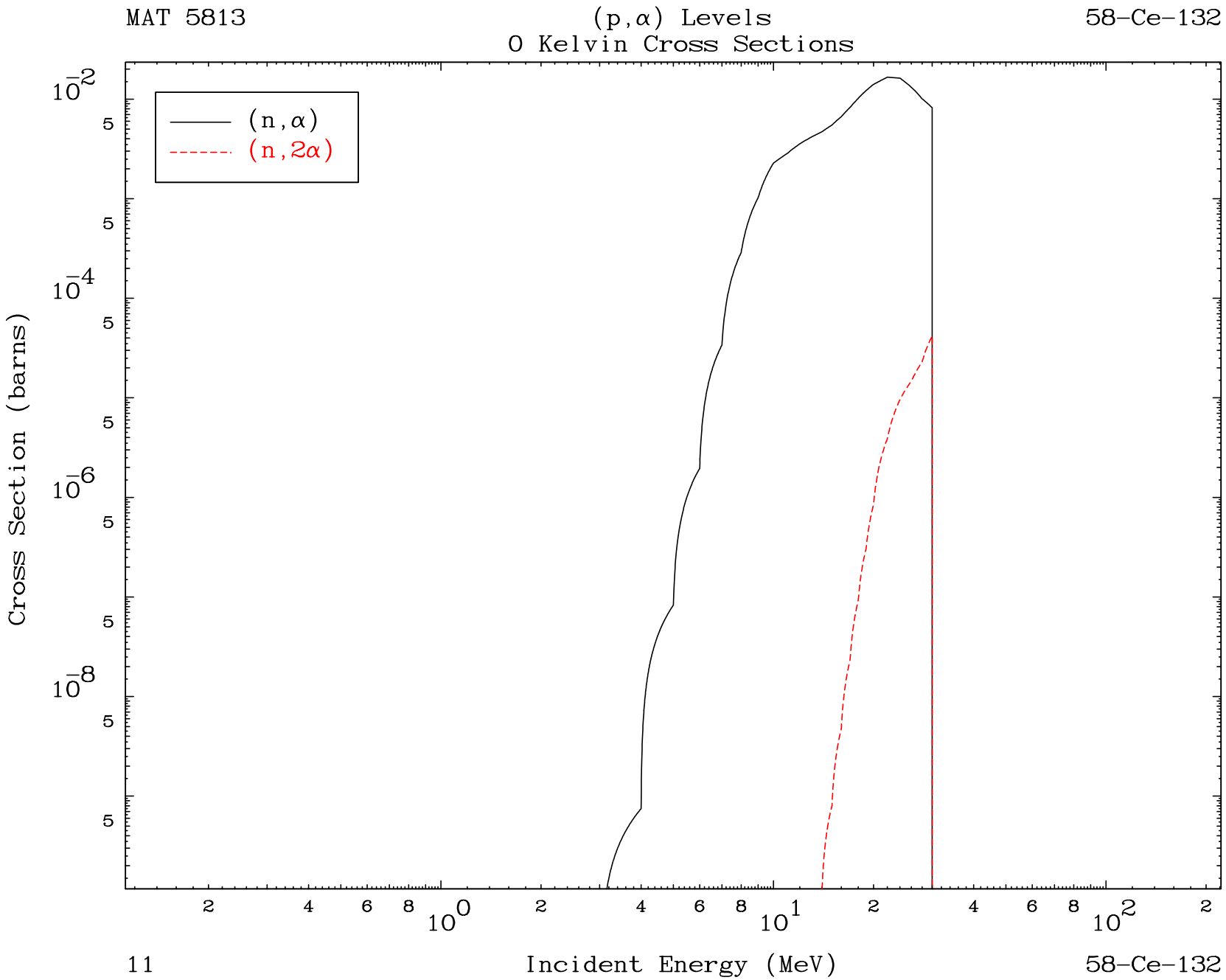

MAT 5813
Proton Charged Particle
0 Kelvin Cross Sections
58-Ce-132
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
58-Ce-132

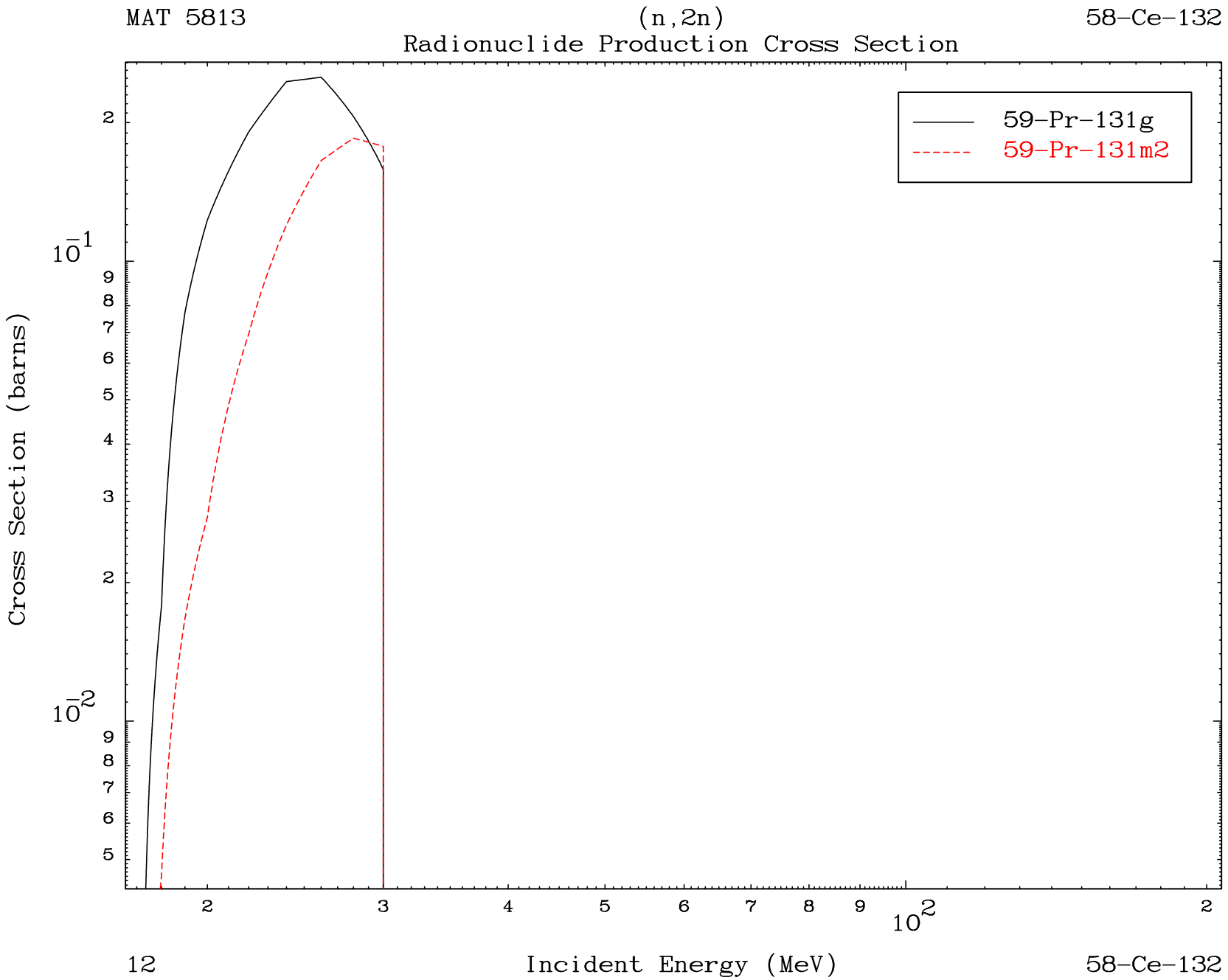

MAT 5813
(p,p) Levels
58-Ce-132
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
58-Ce-132

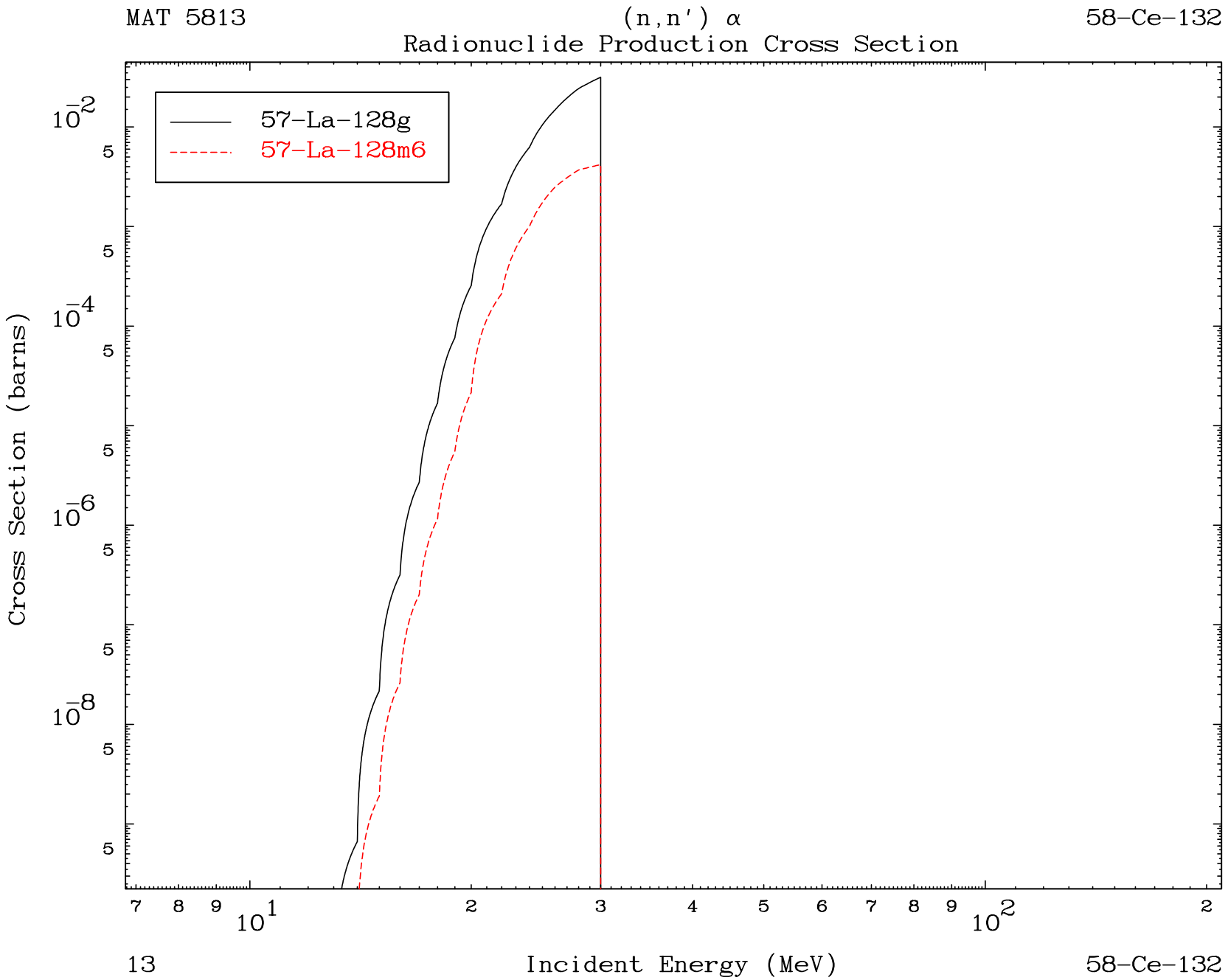

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)

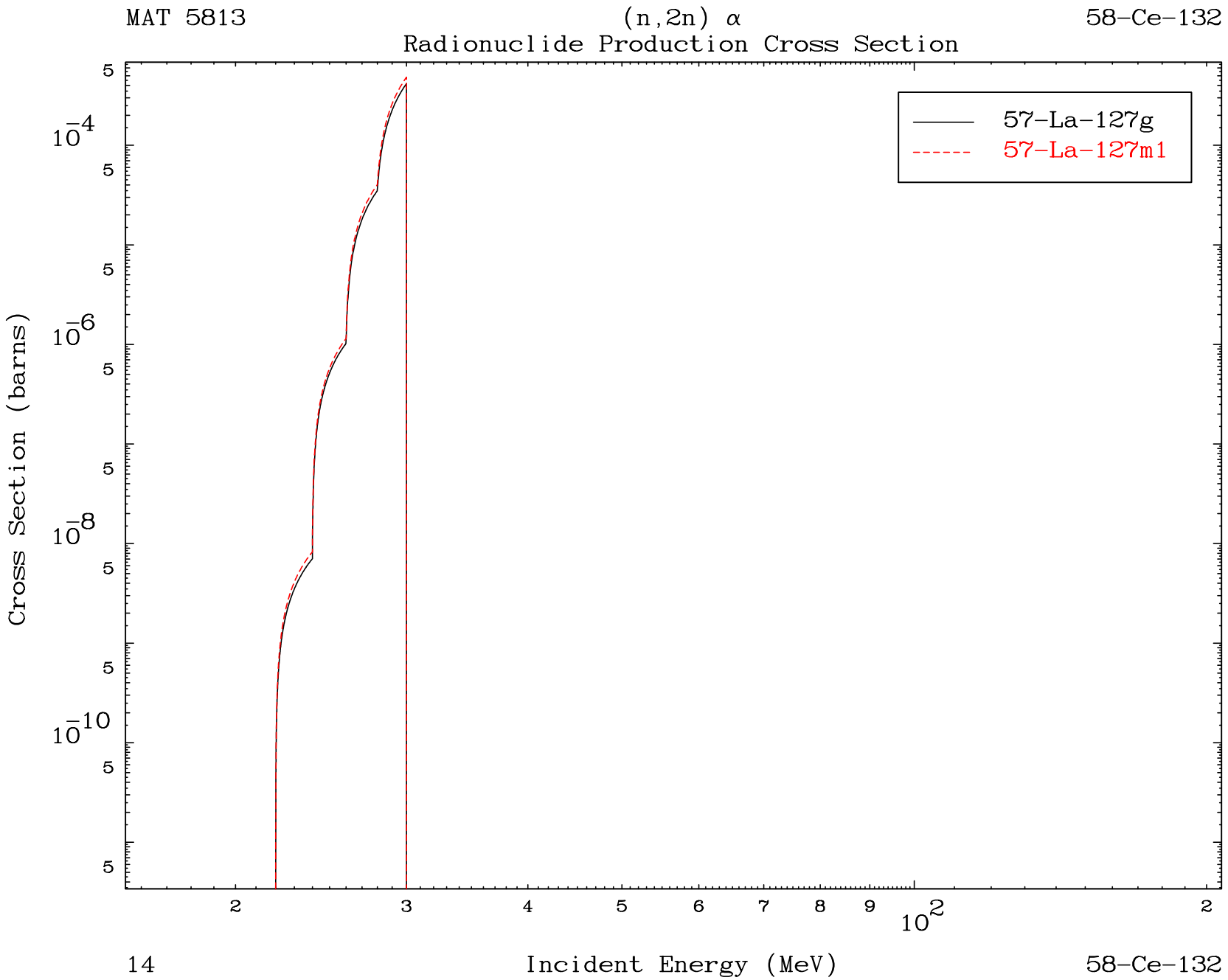

MAT 5813
(p,t) Levels
58-Ce-132
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
58-Ce-132

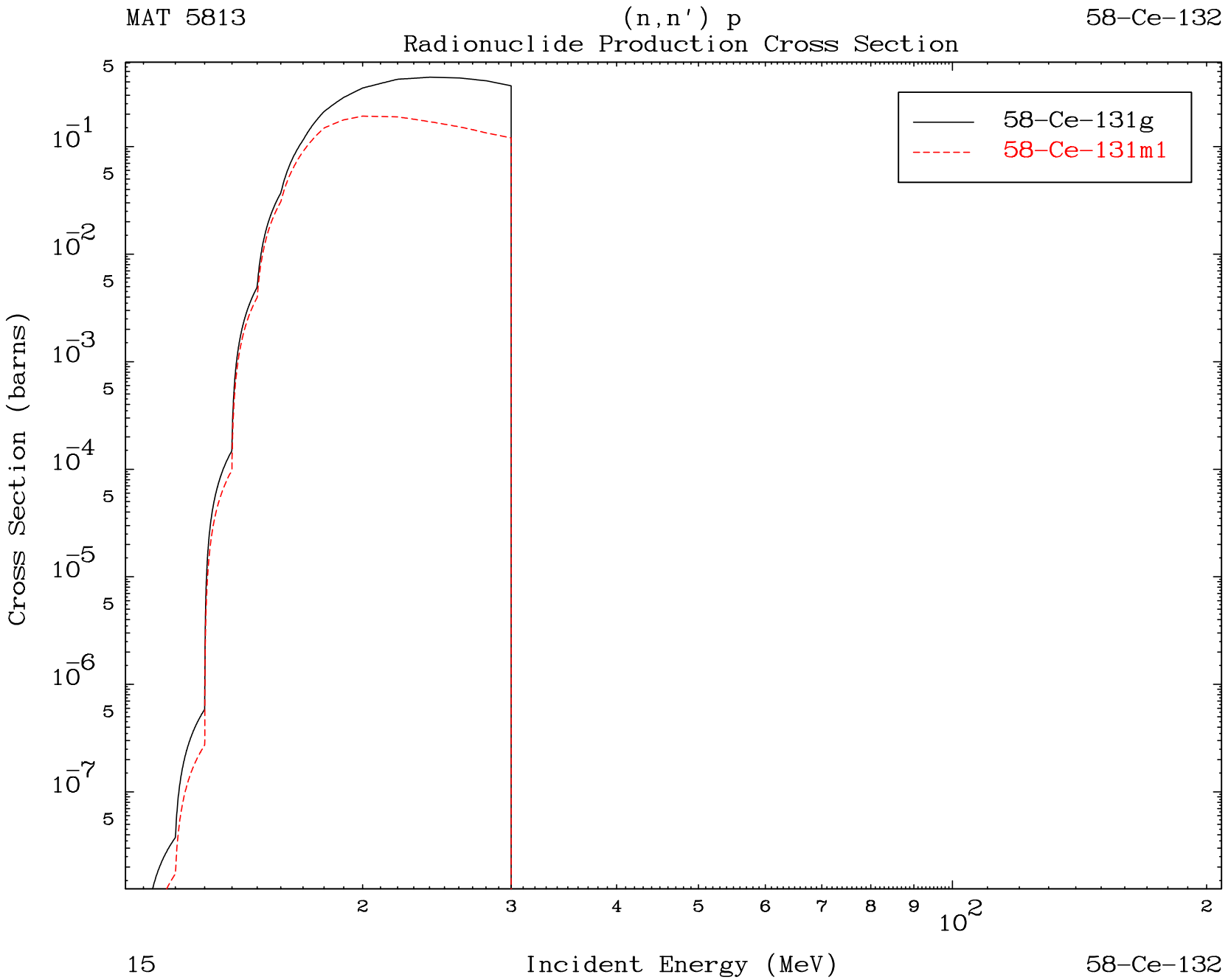

MAT 5813
(p,He3) Levels
58-Ce-132
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^1
10^2
58-Ce-132

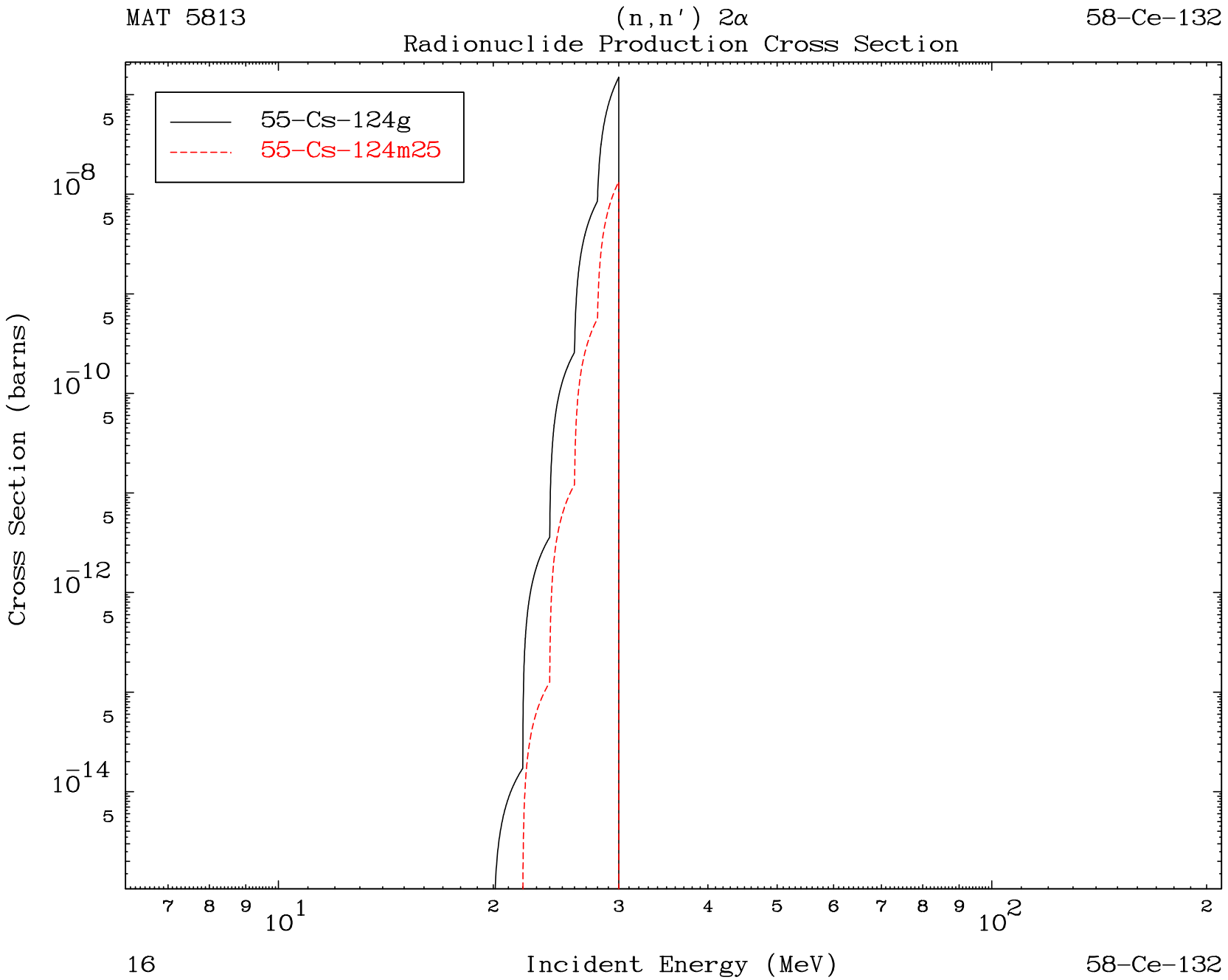

MAT 5813
(p,α) Levels
58-Ce-132
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
58-Ce-132

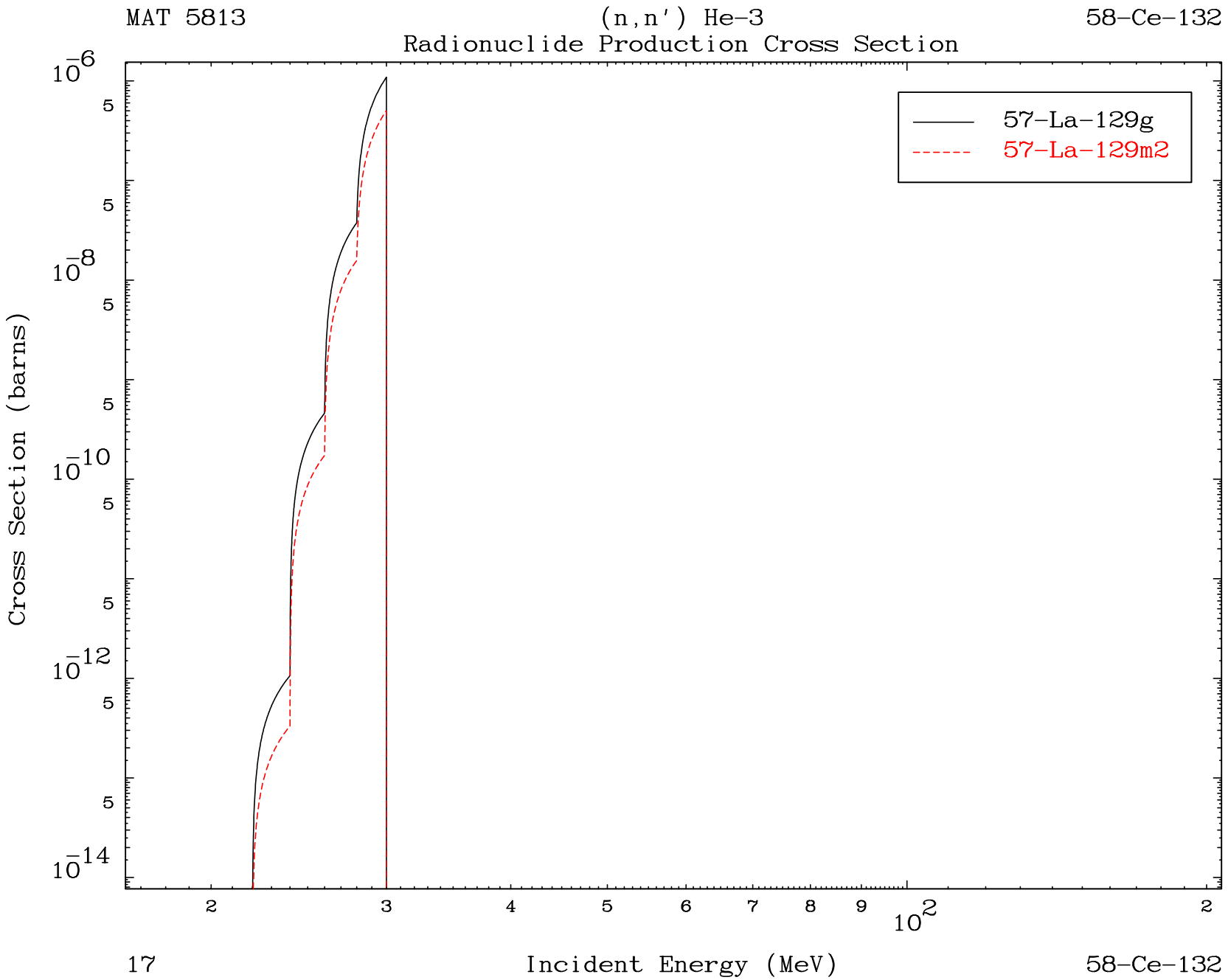

MAT 5813
(n,2n)
58-Ce-132
Radionuclide Production Cross Section
59-Pr-131g
59-Pr-131m2
Cross Section (barns)
Incident Energy (MeV)
12
58-Ce-132

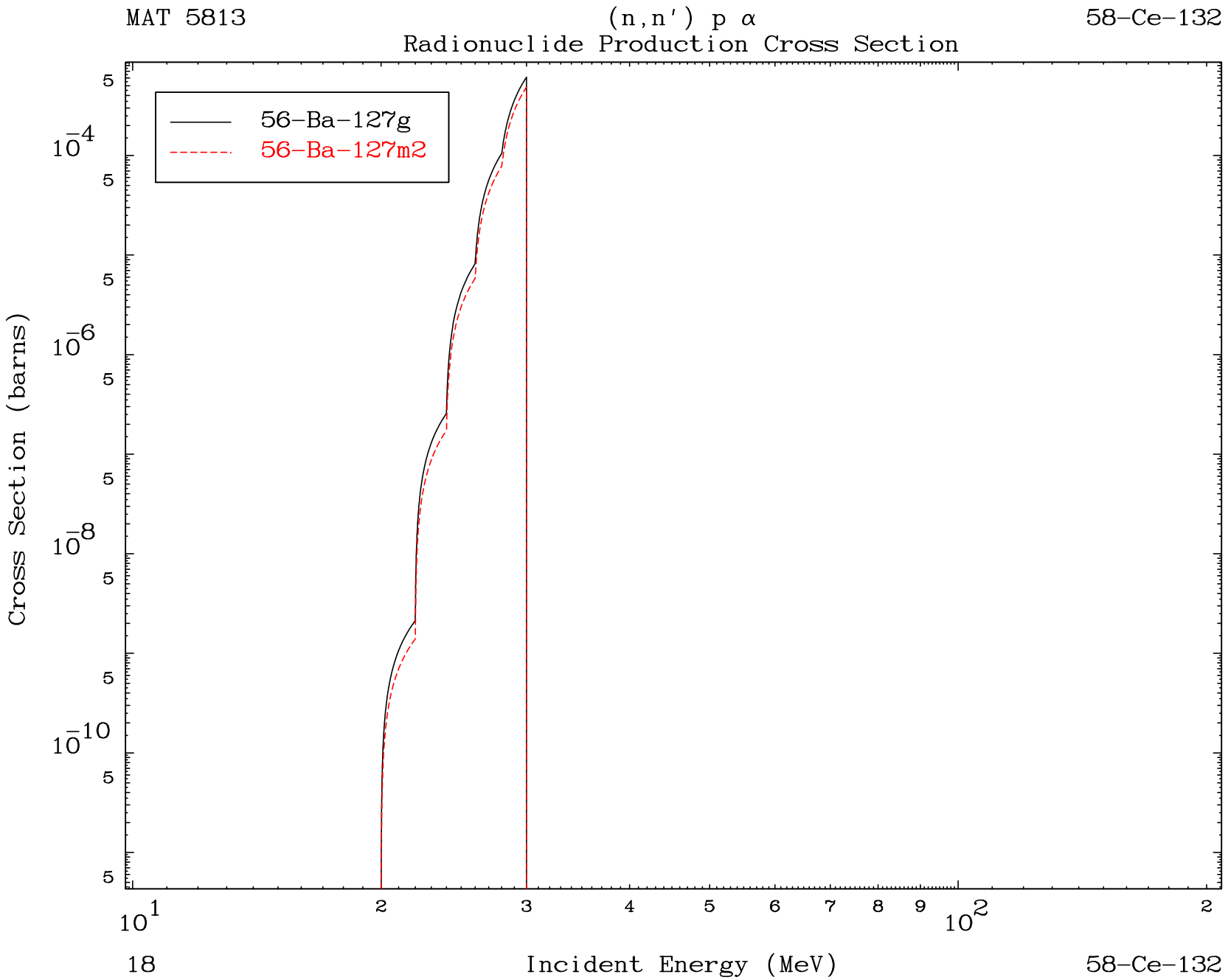

MAT 5813
(n,n') α
58-Ce-132
Radionuclide Production Cross Section
57-La-128g
57-La-128m6
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
13
Incident Energy (MeV)
58-Ce-132

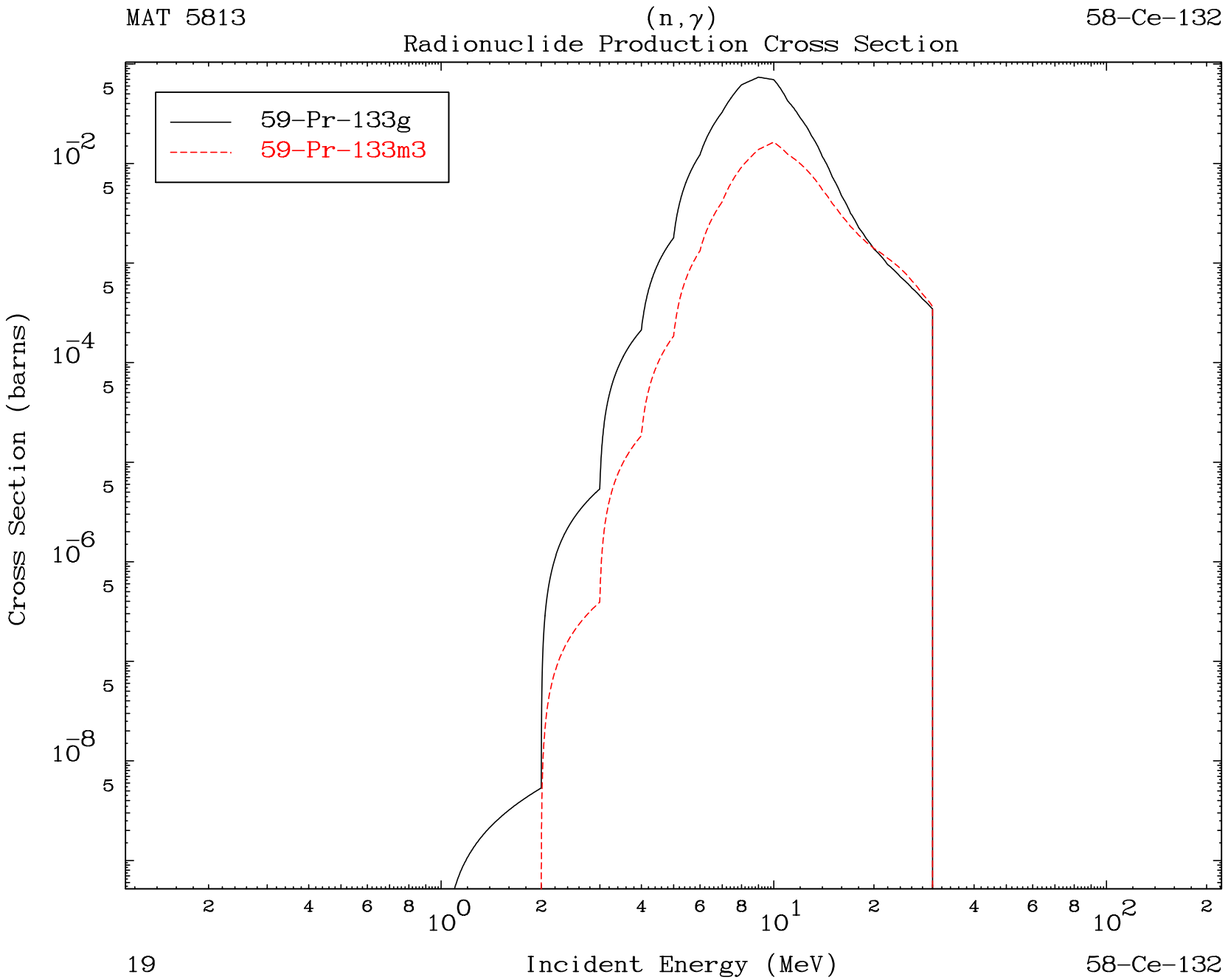

MAT 5813
(n,2n) α
58-Ce-132
Radionuclide Production Cross Section
57-La-127g
57-La-127m1
Cross Section (barns)
Incident Energy (MeV)
14
58-Ce-132

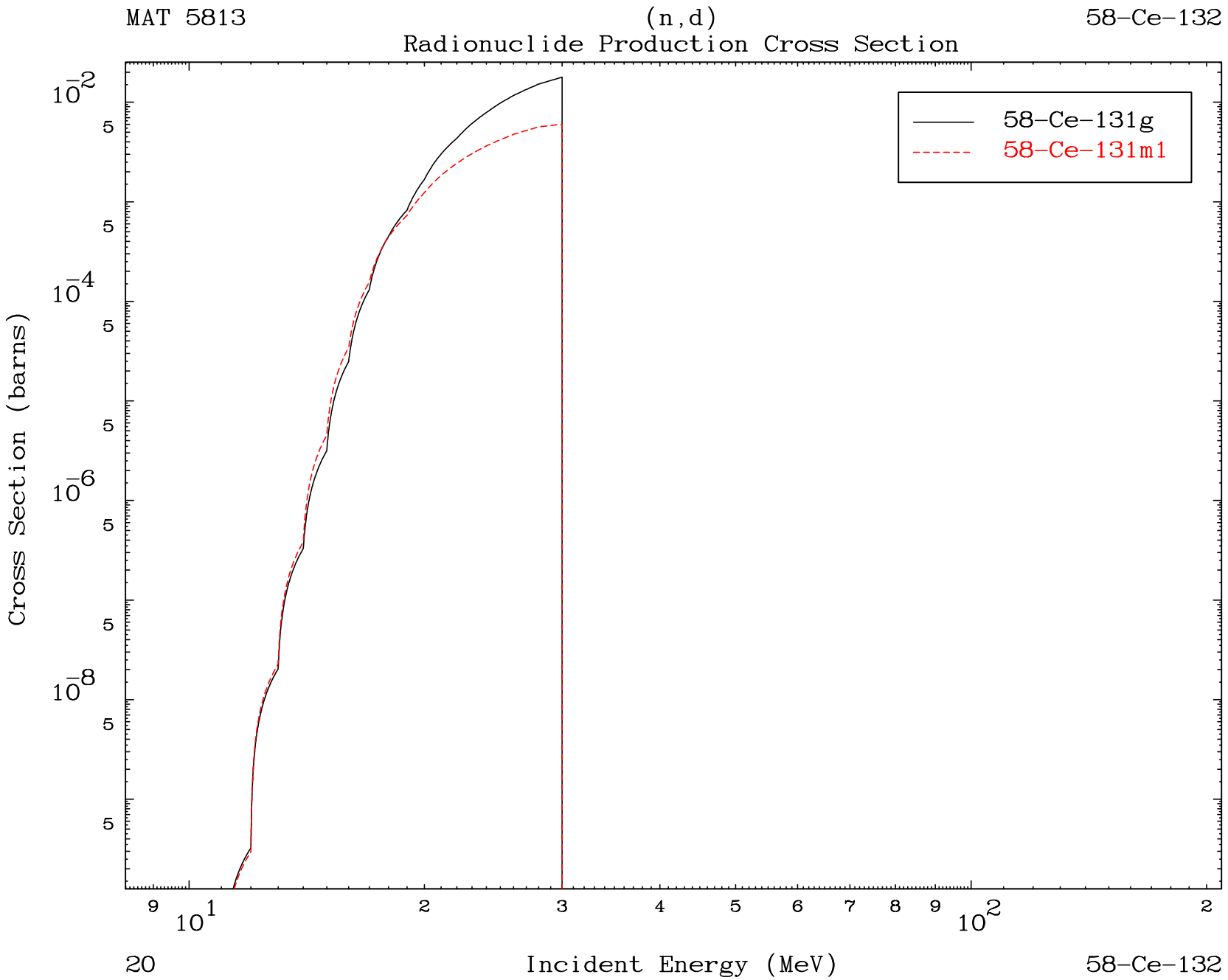

MAT 5813
(n,n') p
58-Ce-132
Radionuclide Production Cross Section
58-Ce-131g
58-Ce-131m1
Cross Section (barns)
Incident Energy (MeV)
15
58-Ce-132

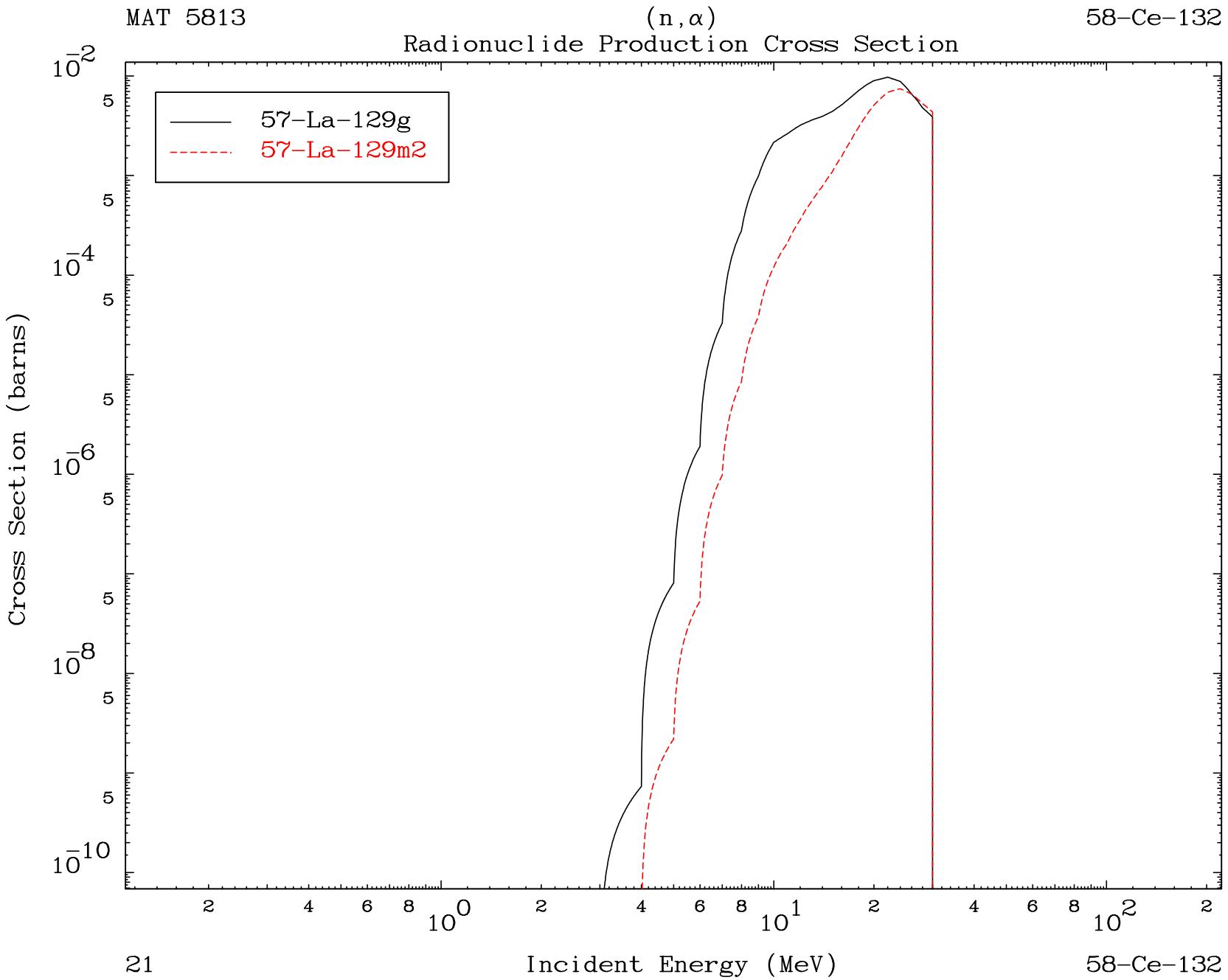

MAT 5813
(n,n') 2α
58-Ce-132
Radionuclide Production Cross Section
55-Cs-124g
55-Cs-124m25
Cross Section (barns)
Incident Energy (MeV)
16
58-Ce-132

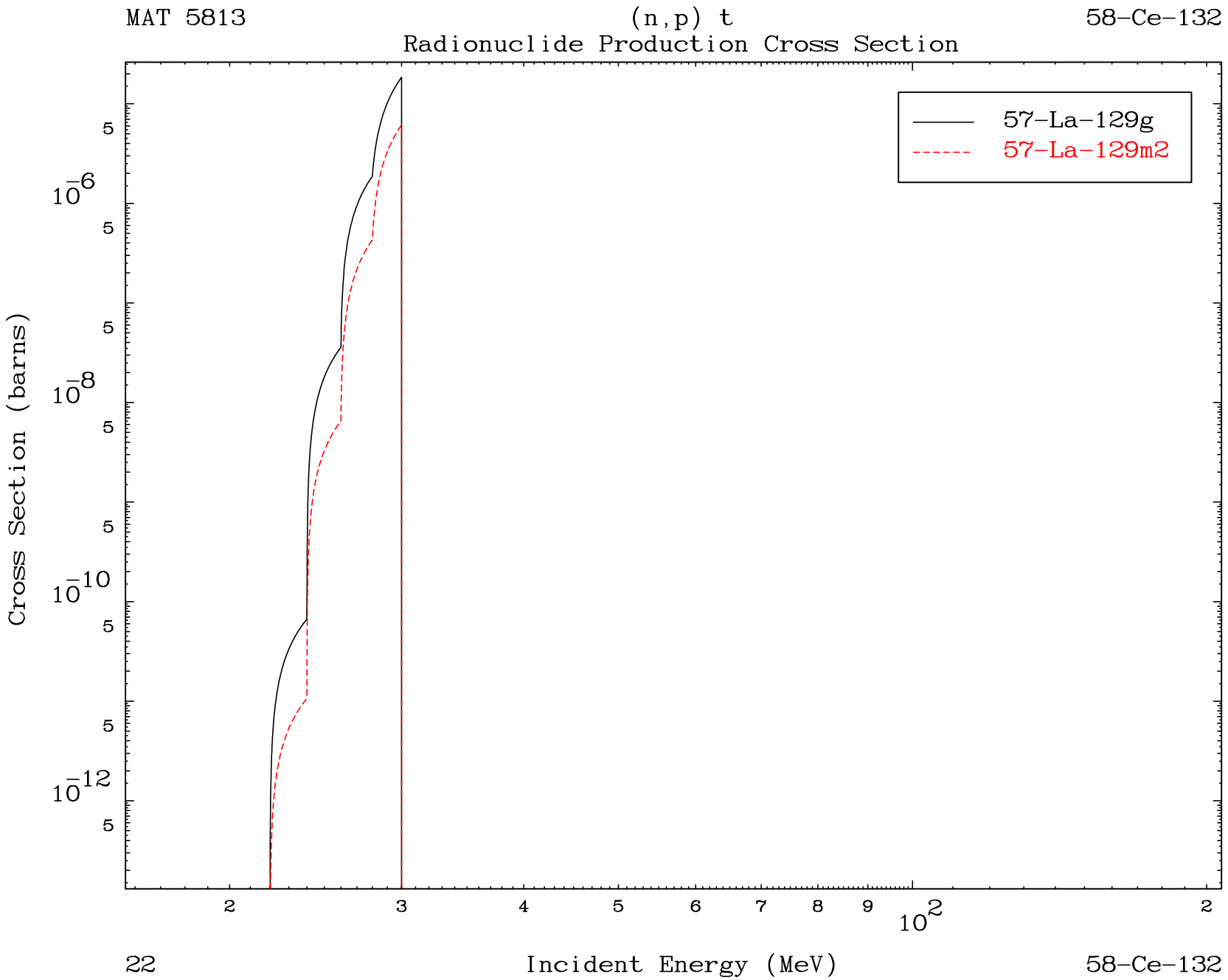

MAT 5813
(n,n') He-3
58-Ce-132
Radionuclide Production Cross Section
57-La-129g
57-La-129m2
Cross Section (barns)
Incident Energy (MeV)
17
58-Ce-132

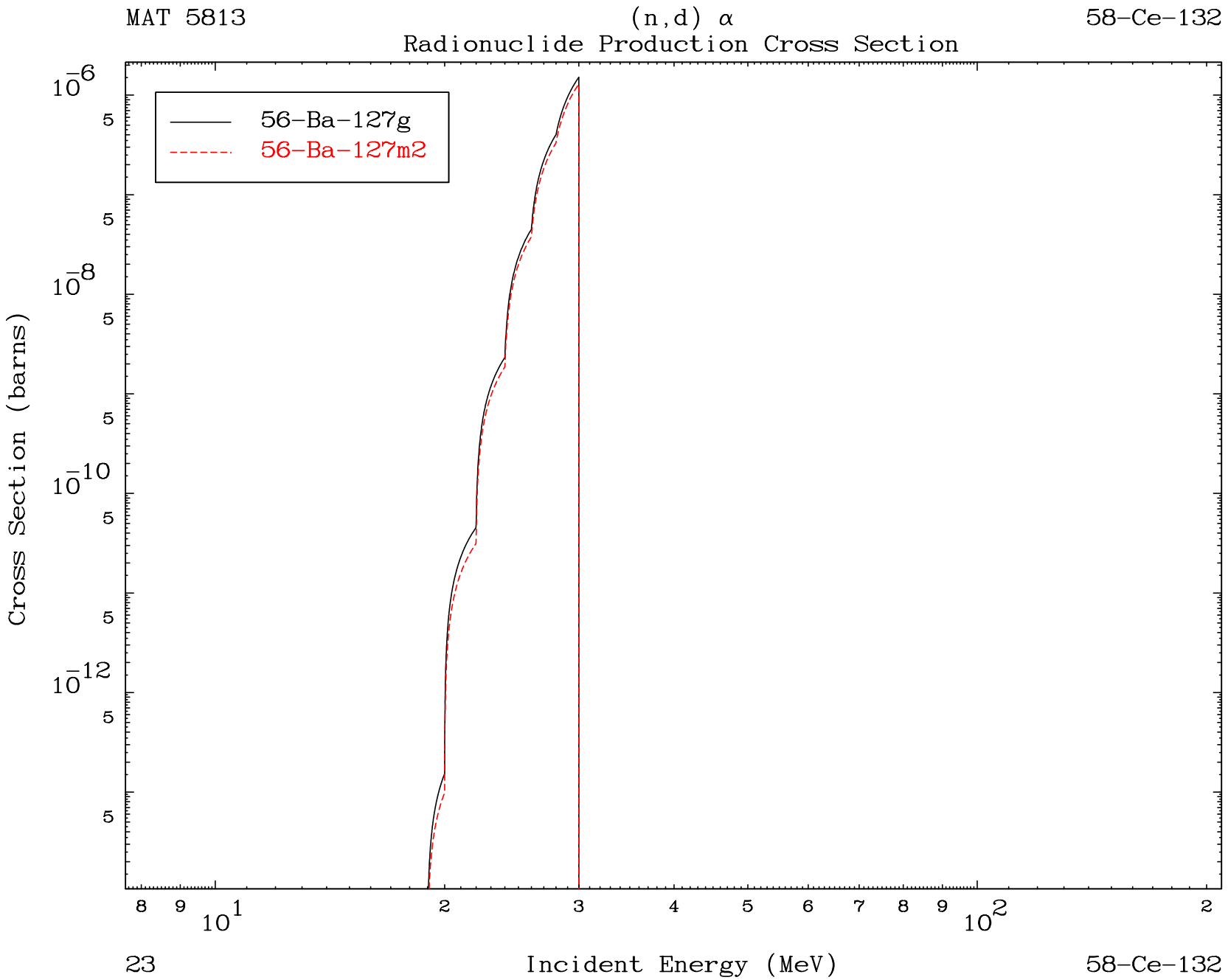

MAT 5813
(n,n') p α
58-Ce-132
Radionuclide Production Cross Section
56-Ba-127g
56-Ba-127m2
Cross Section (barns)
Incident Energy (MeV)
18
58-Ce-132


MAT 5813
(n,γ)
58-Ce-132
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
Incident Energy (MeV)
19
58-Ce-132


MAT 5813
(n,d)
58-Ce-132
Radionuclide Production Cross Section
58-Ce-131g
58-Ce-131m1
Cross Section (barns)
Incident Energy (MeV)
20
58-Ce-132


MAT 5813
(n,α)
58-Ce-132
Radionuclide Production Cross Section
57-La-129g
57-La-129m2
Cross Section (barns)
Incident Energy (MeV)
21
58-Ce-132


MAT 5813
(n,p) t
58-Ce-132
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
22
Incident Energy (MeV)
58-Ce-132


MAT 5813
(n,d) α
58-Ce-132
Radionuclide Production Cross Section
56-Ba-127g
56-Ba-127m2
Cross Section (barns)
Incident Energy (MeV)
23
58-Ce-132