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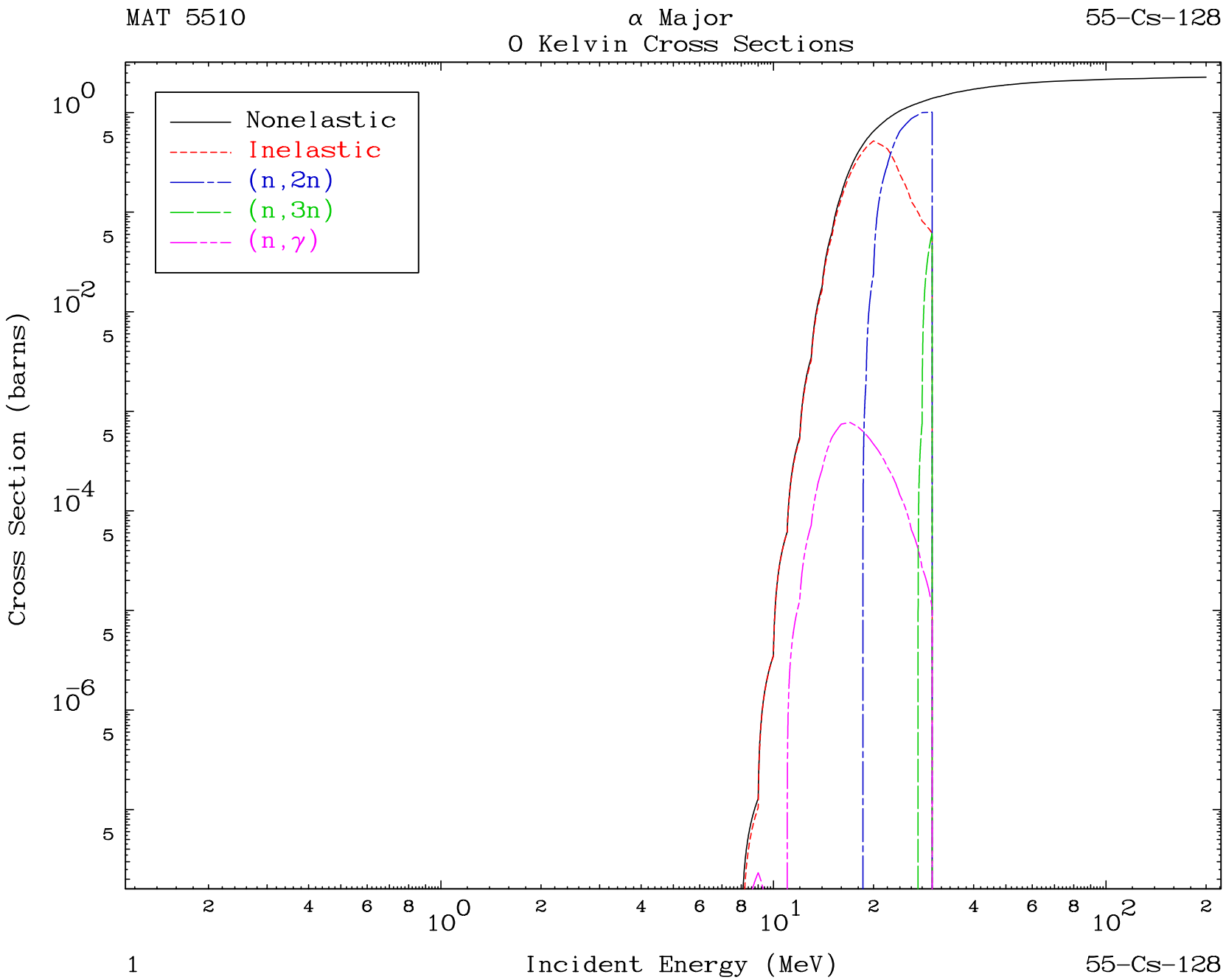
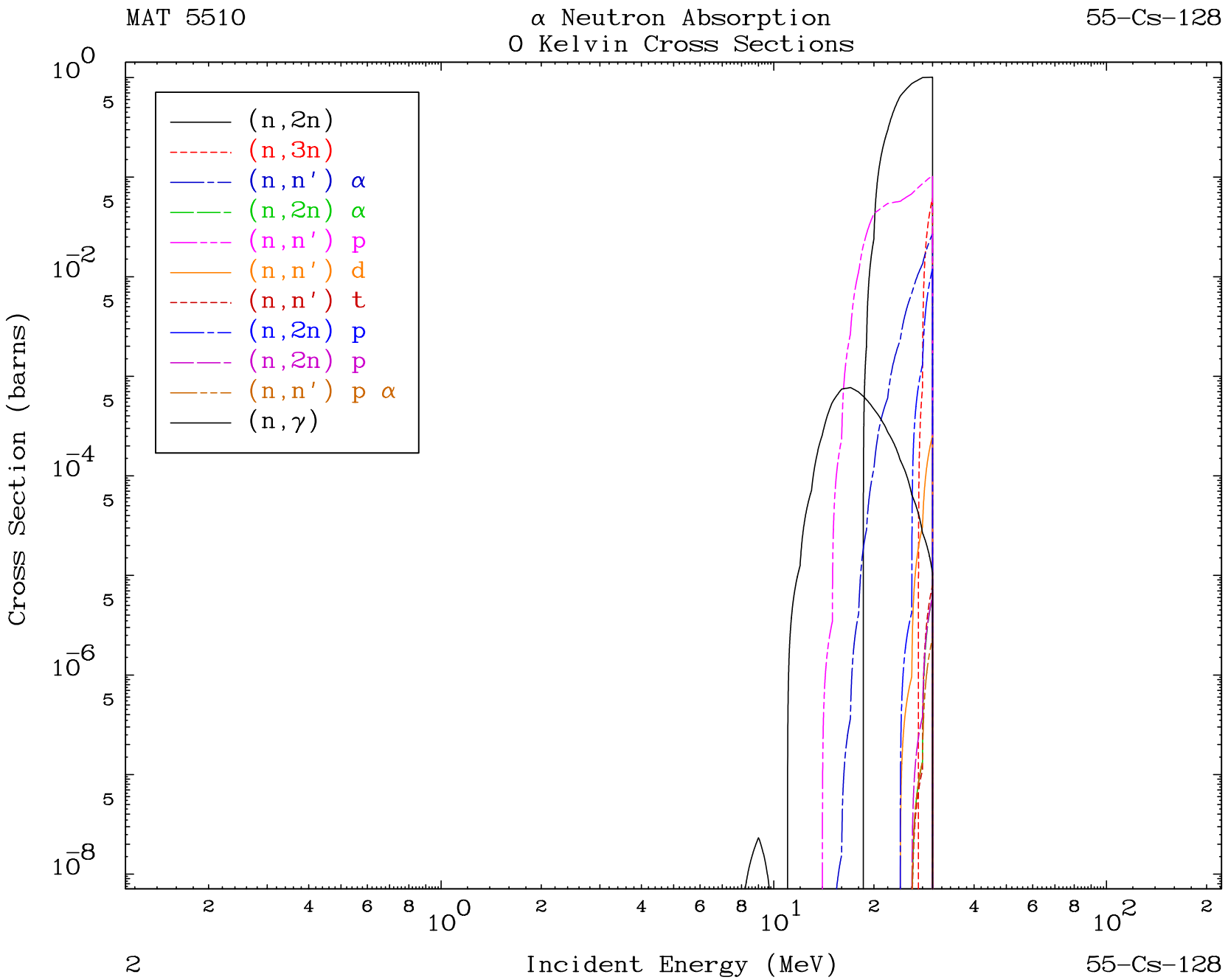
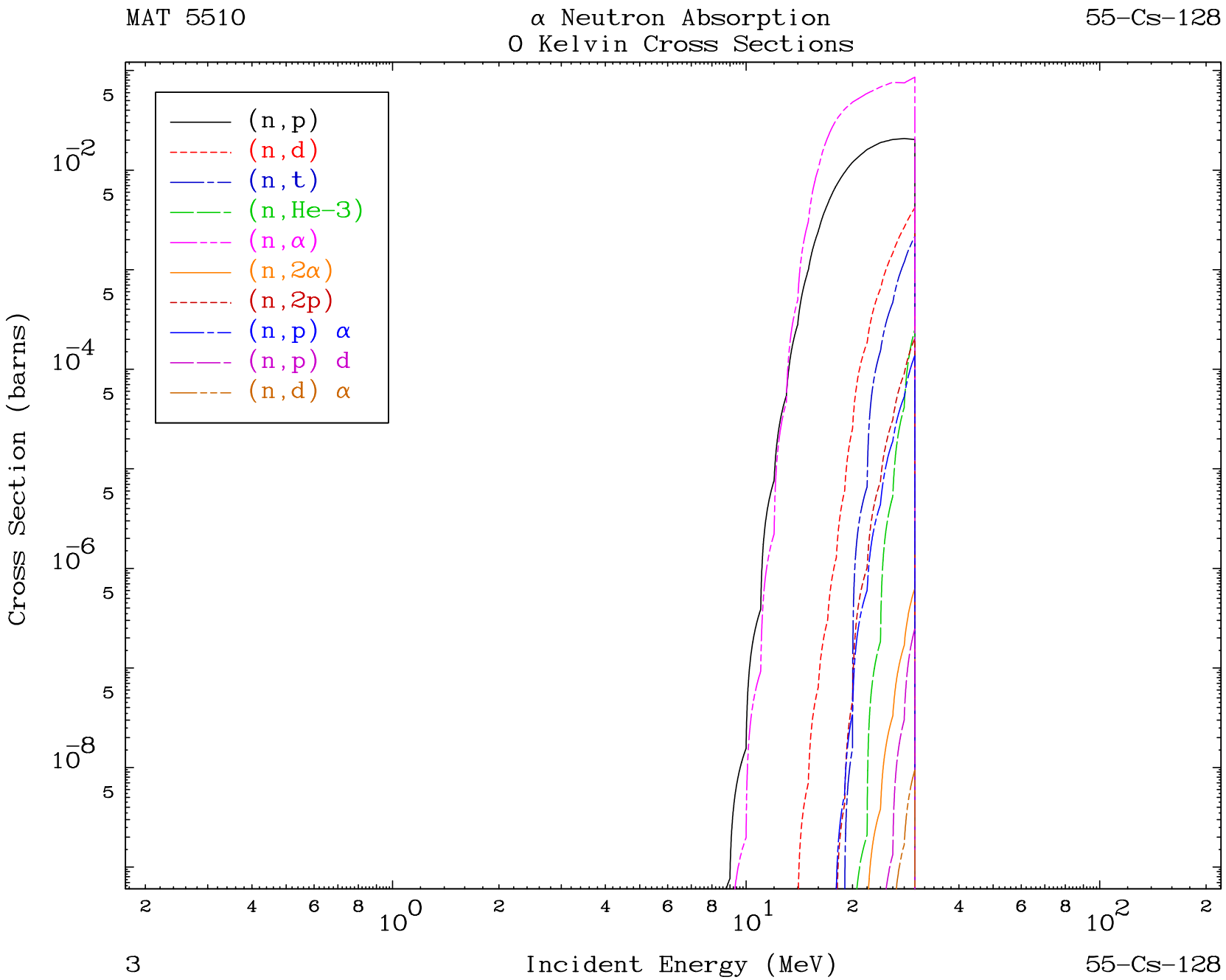
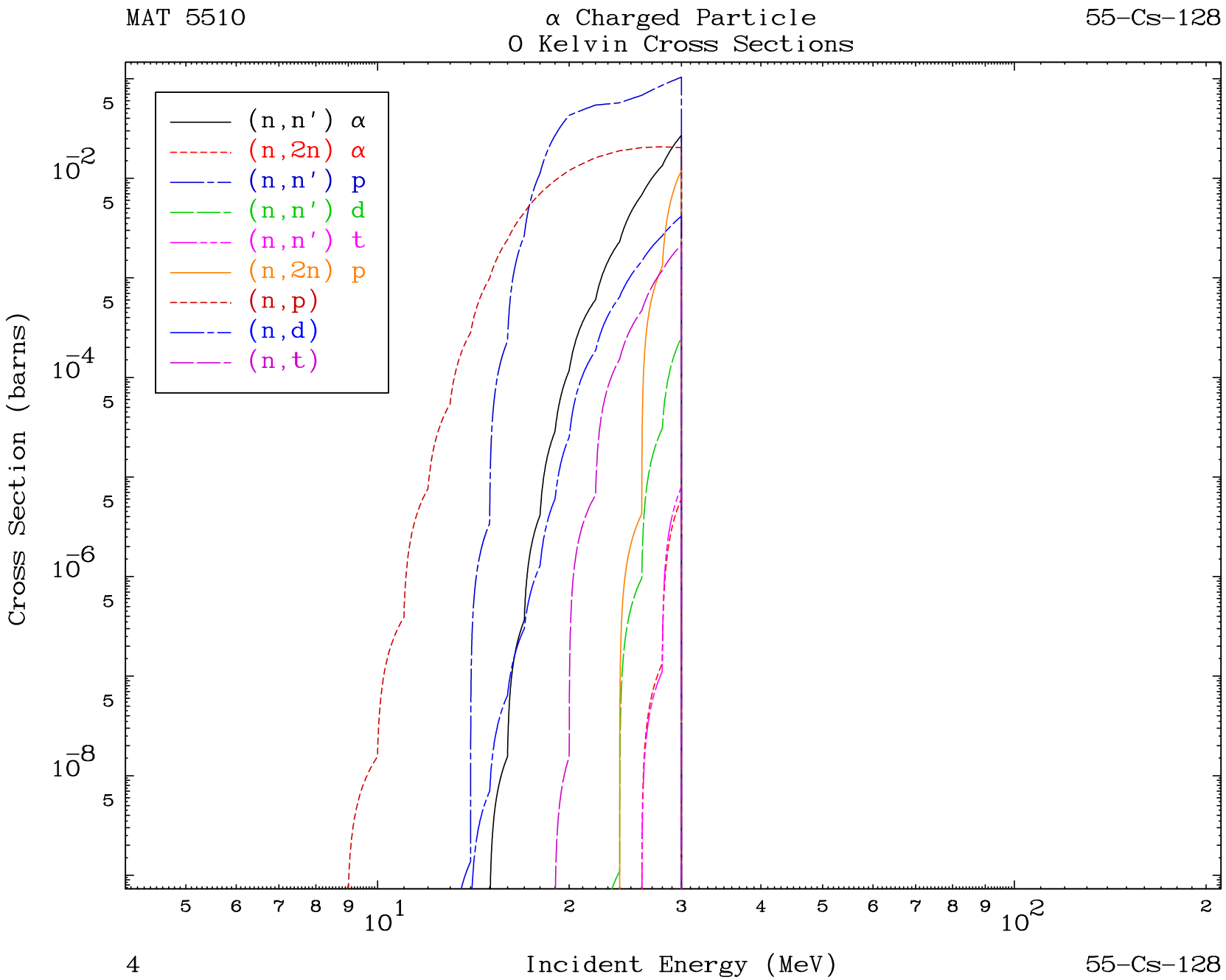
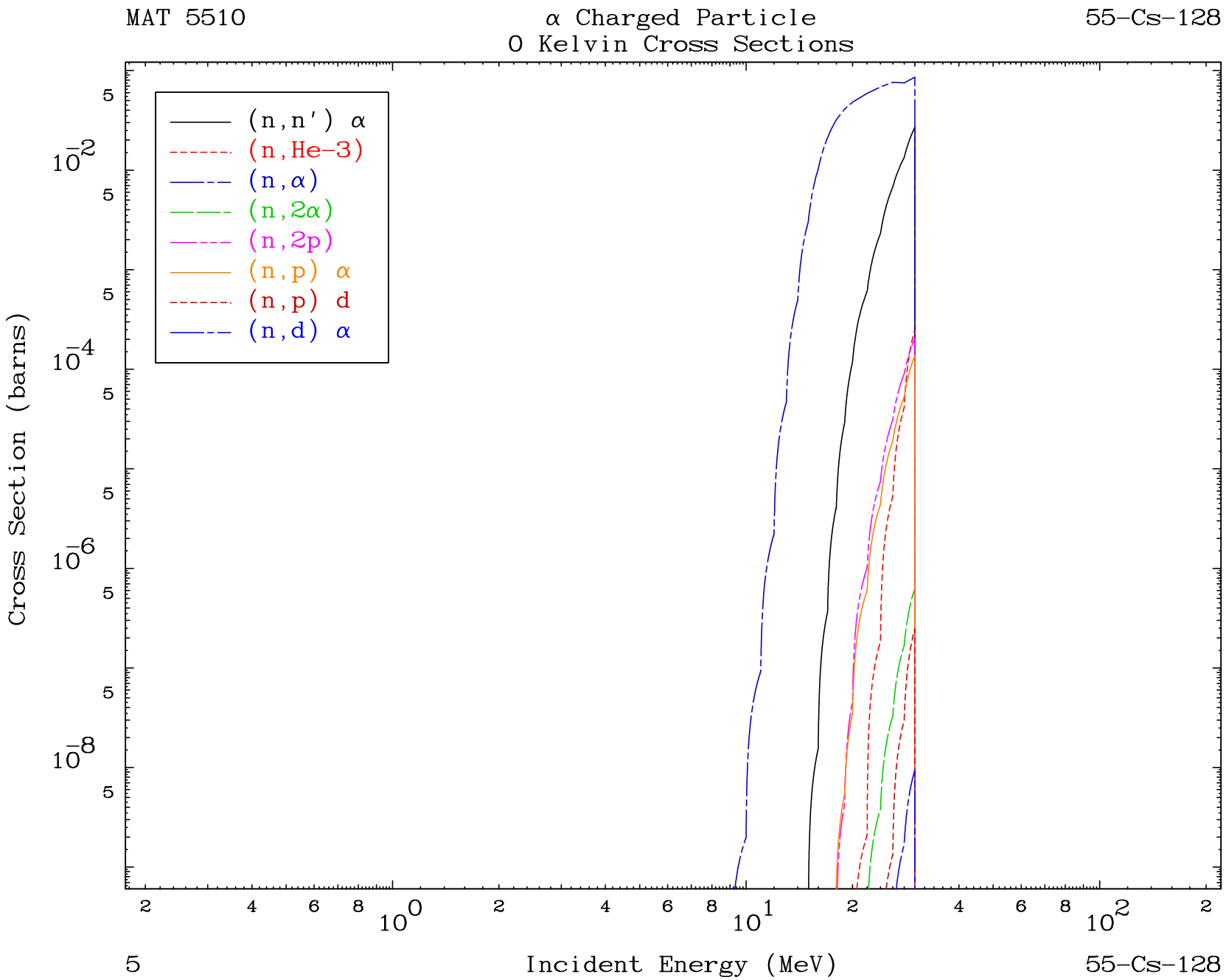
Press Mouse Button to Start

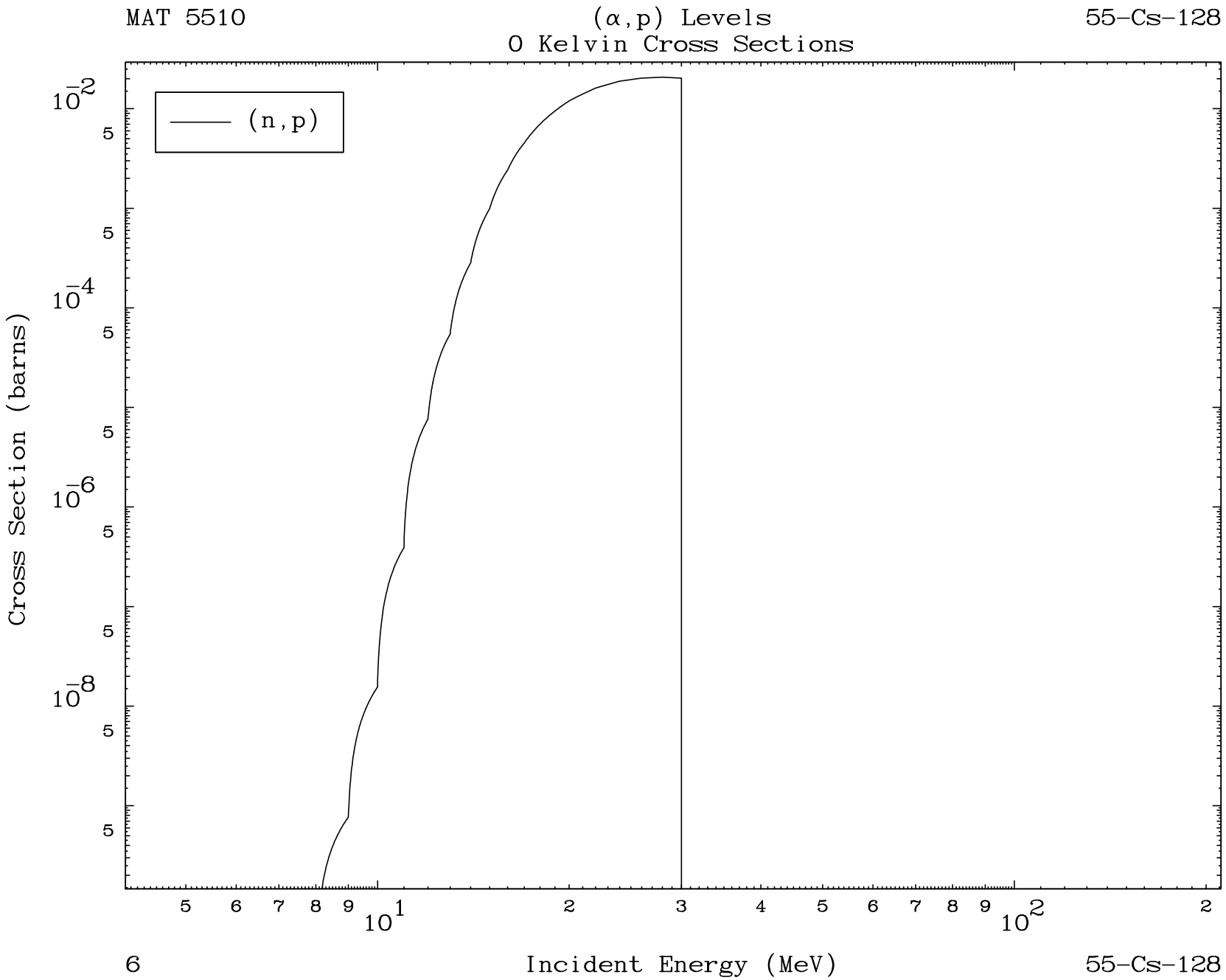

MAT 5510
α Major
55-Cs-128
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
55-Cs-128
1

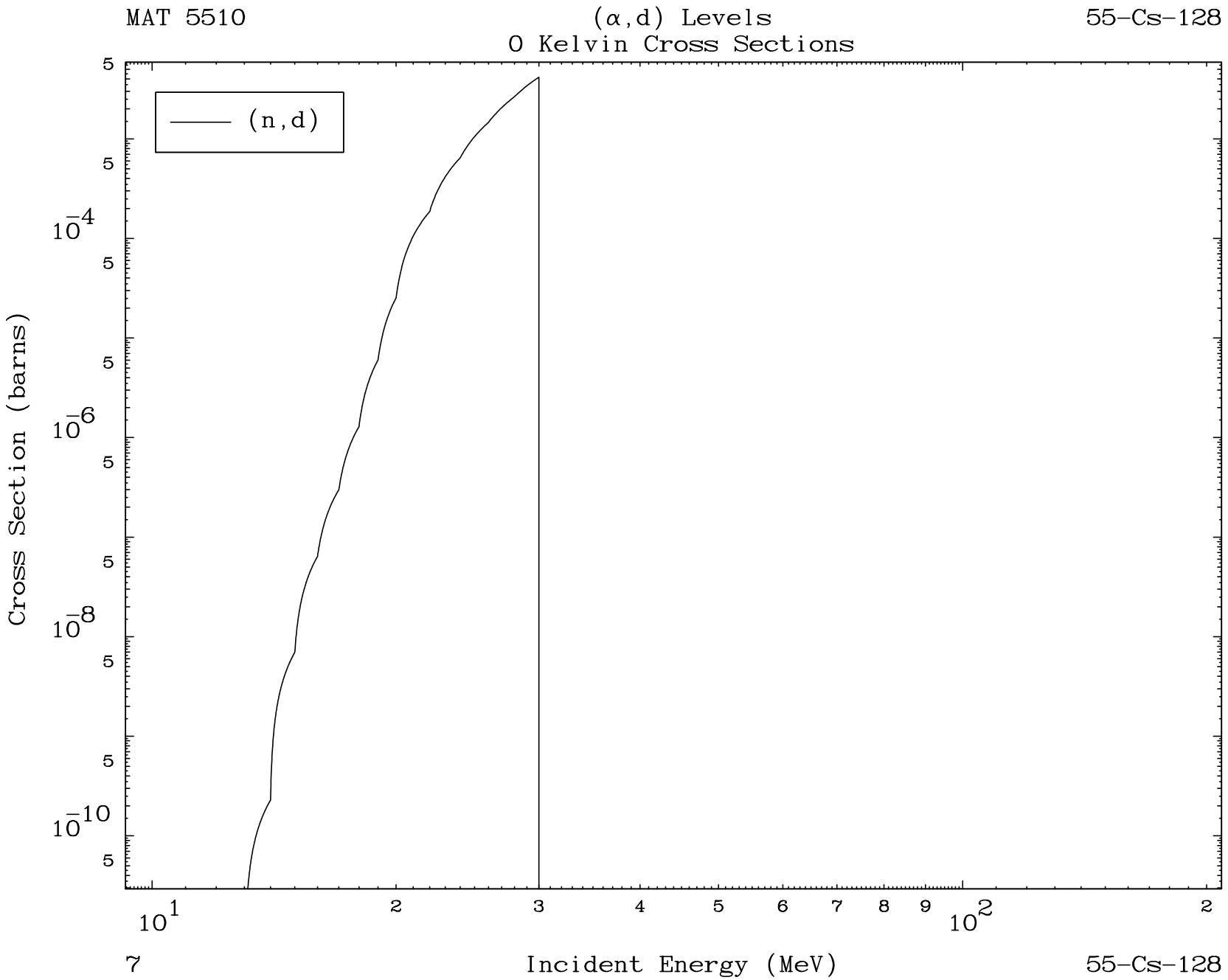

MAT 5510
α Neutron Absorption
0 Kelvin Cross Sections
55-Cs-128
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
55-Cs-128

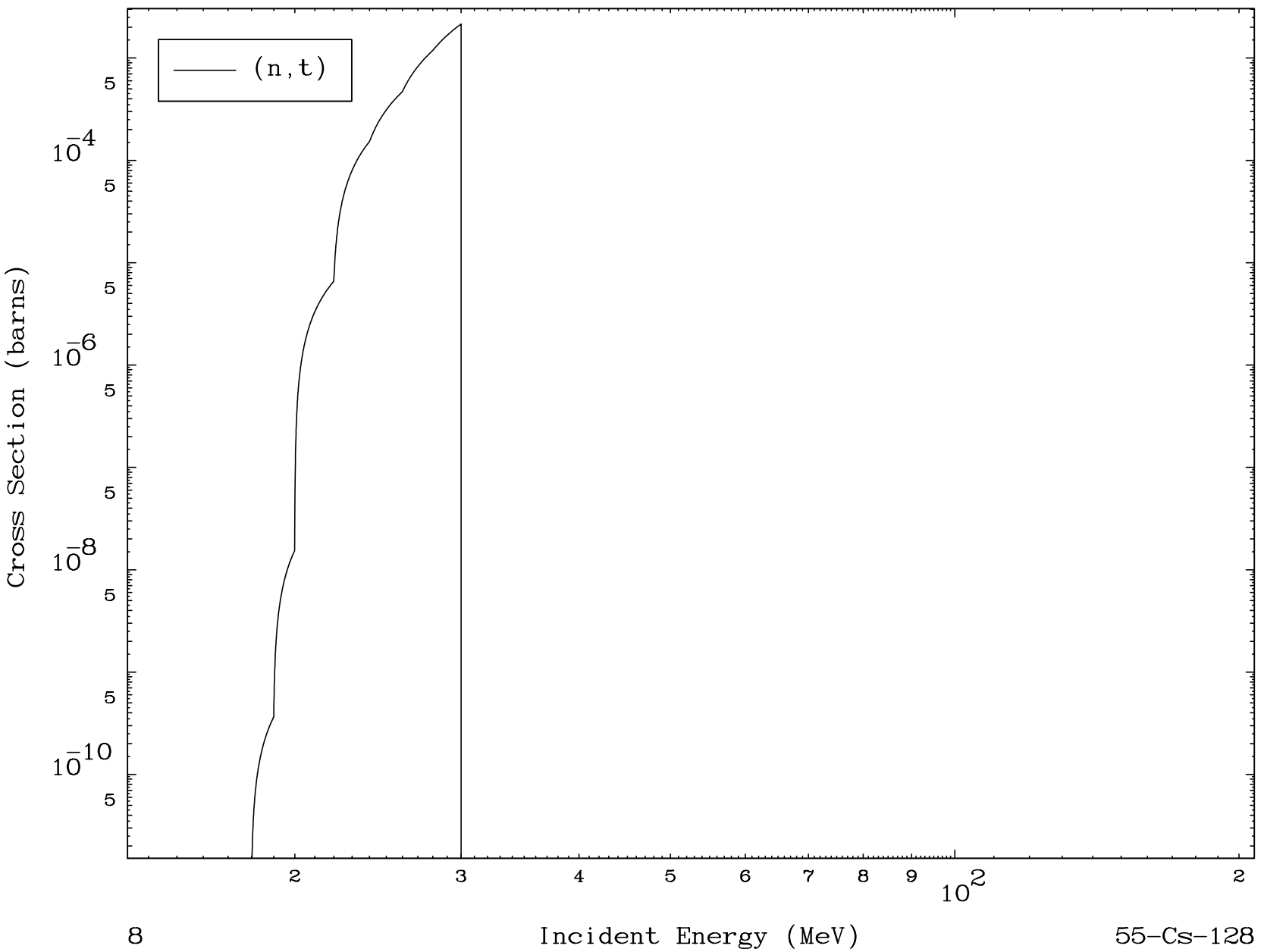

MAT 5510
α Neutron Absorption
0 Kelvin Cross Sections
55-Cs-128
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
55-Cs-128

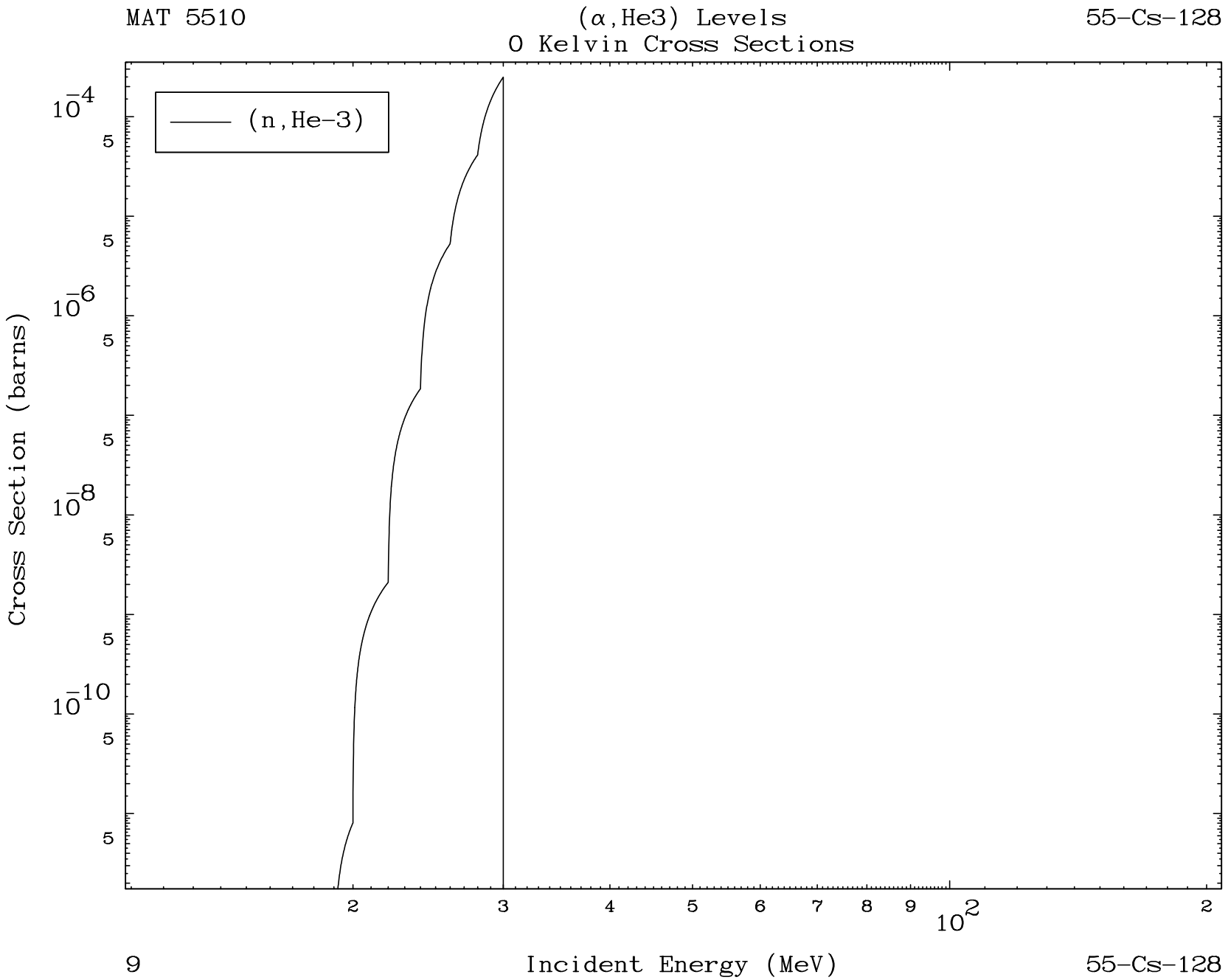

MAT 5510
α Charged Particle
0 Kelvin Cross Sections
55-Cs-128
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
4
55-Cs-128

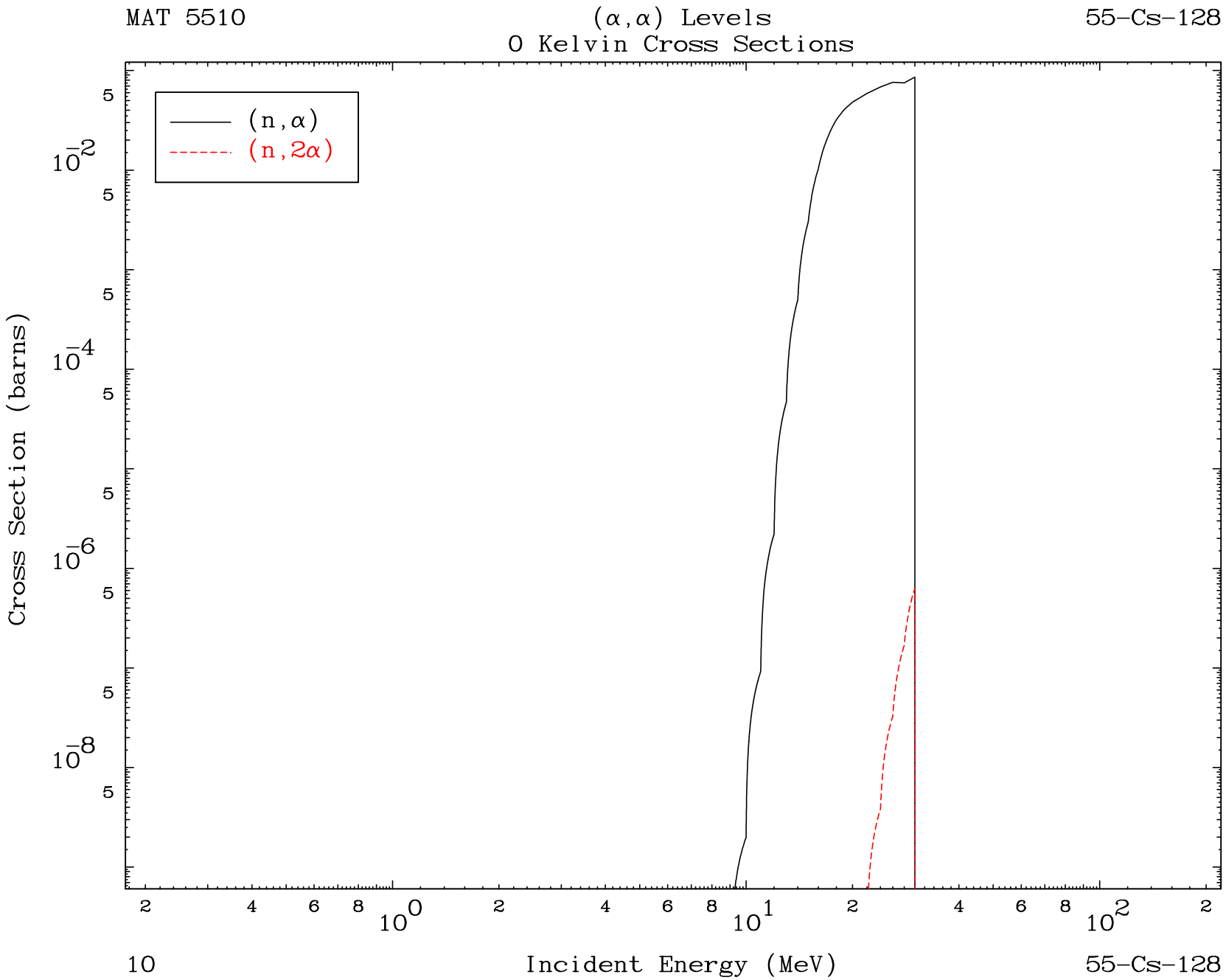

MAT 5510
α Charged Particle
0 Kelvin Cross Sections
55-Cs-128
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
55-Cs-128

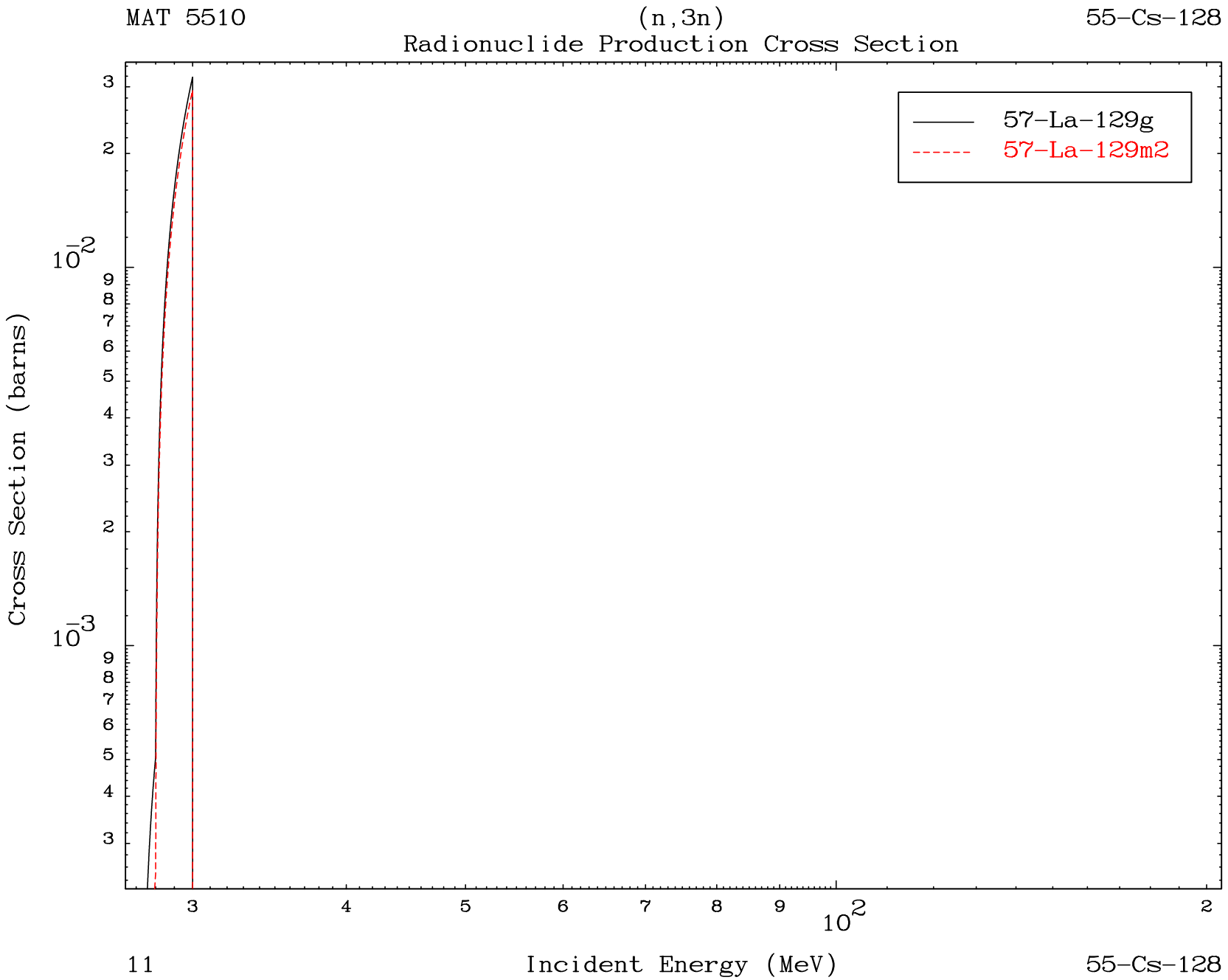

MAT 5510
(α,p) Levels
0 Kelvin Cross Sections
55-Cs-128
(n,p)
Cross Section (barns)
Incident Energy (MeV)
6
55-Cs-128

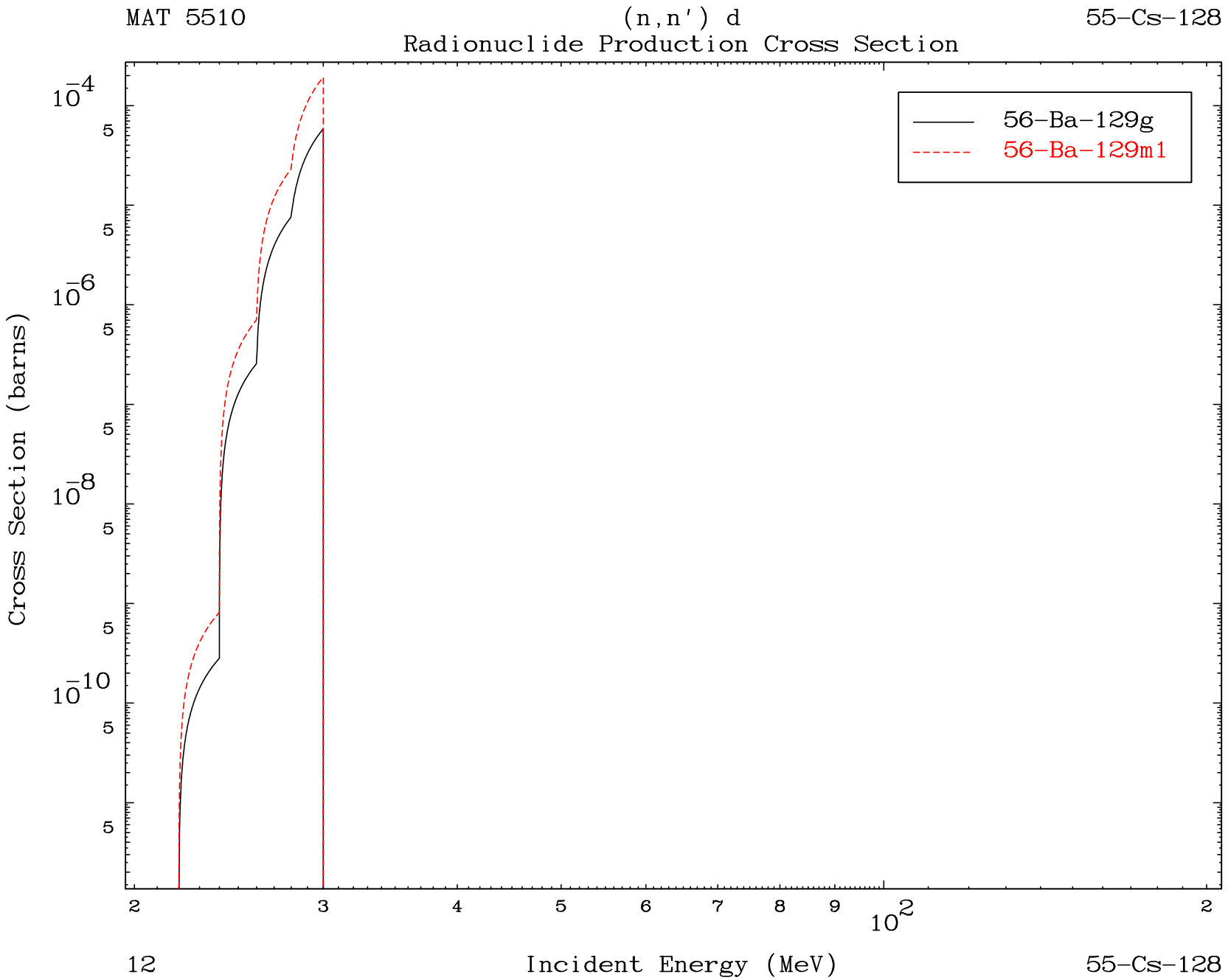

MAT 5510
(α,d) Levels
55-Cs-128
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
7
55-Cs-128

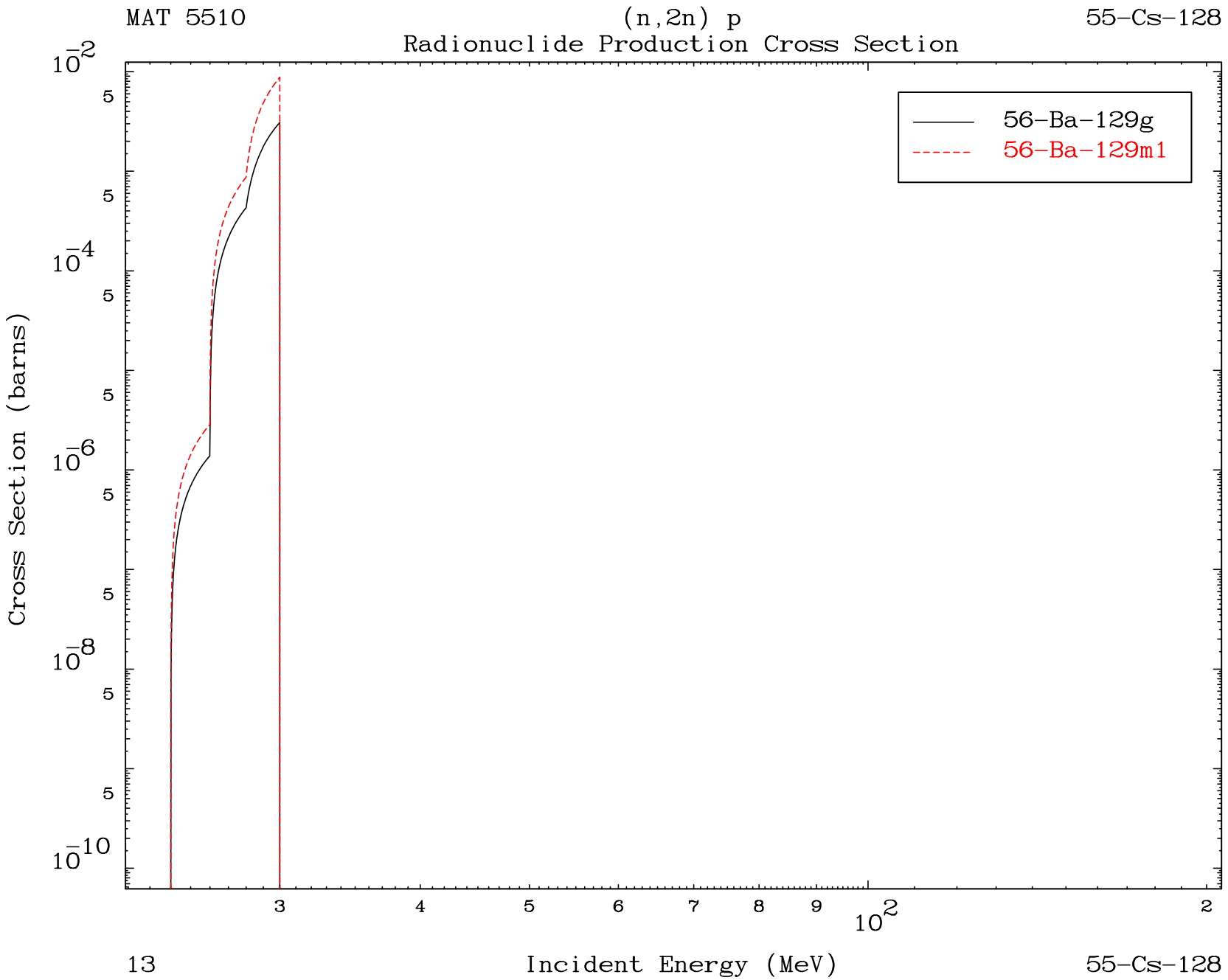

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

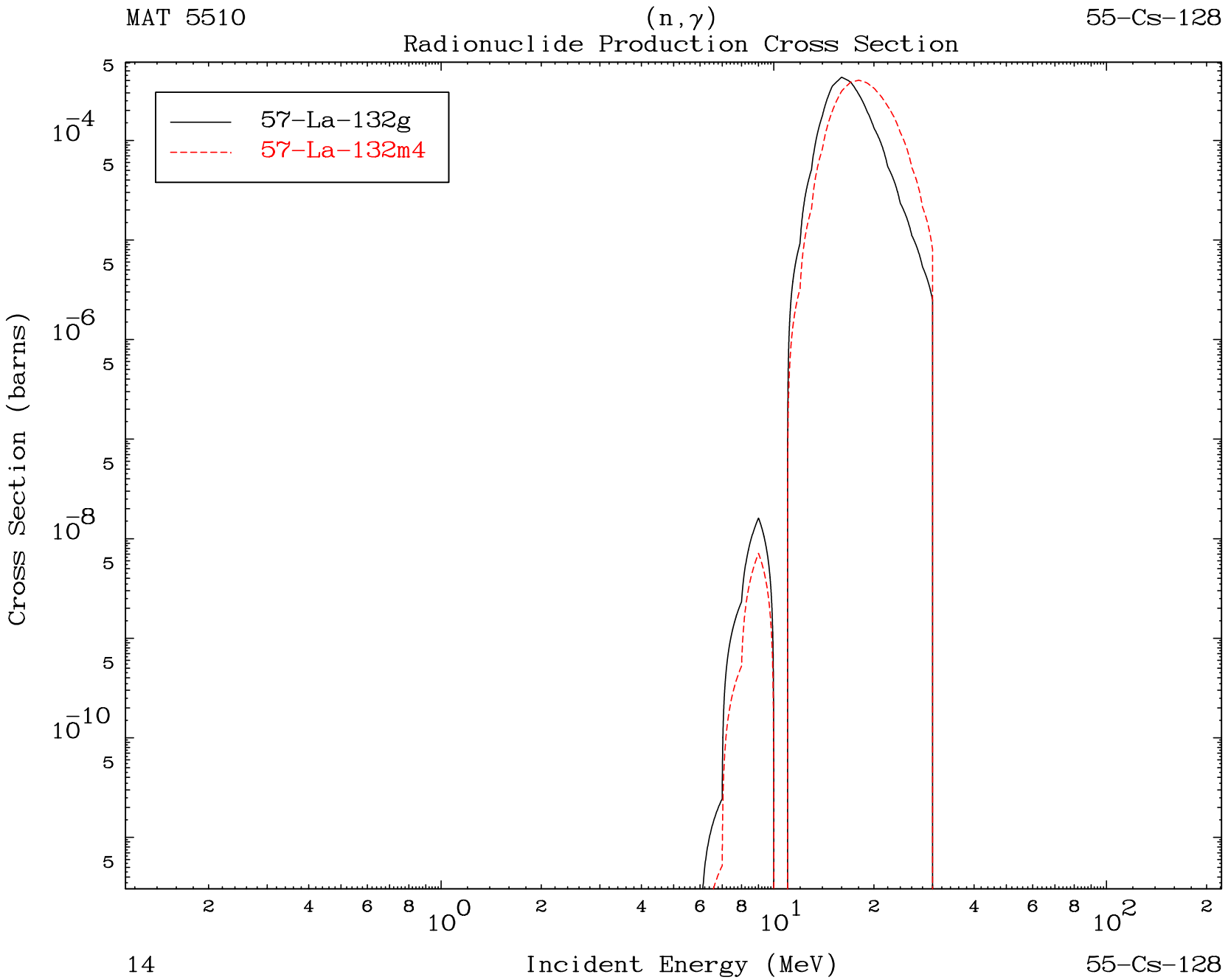

MAT 5510
(α,He3) Levels
55-Cs-128
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
2
3
4
5
6
7
8
9
10 2
9
55-Cs-128

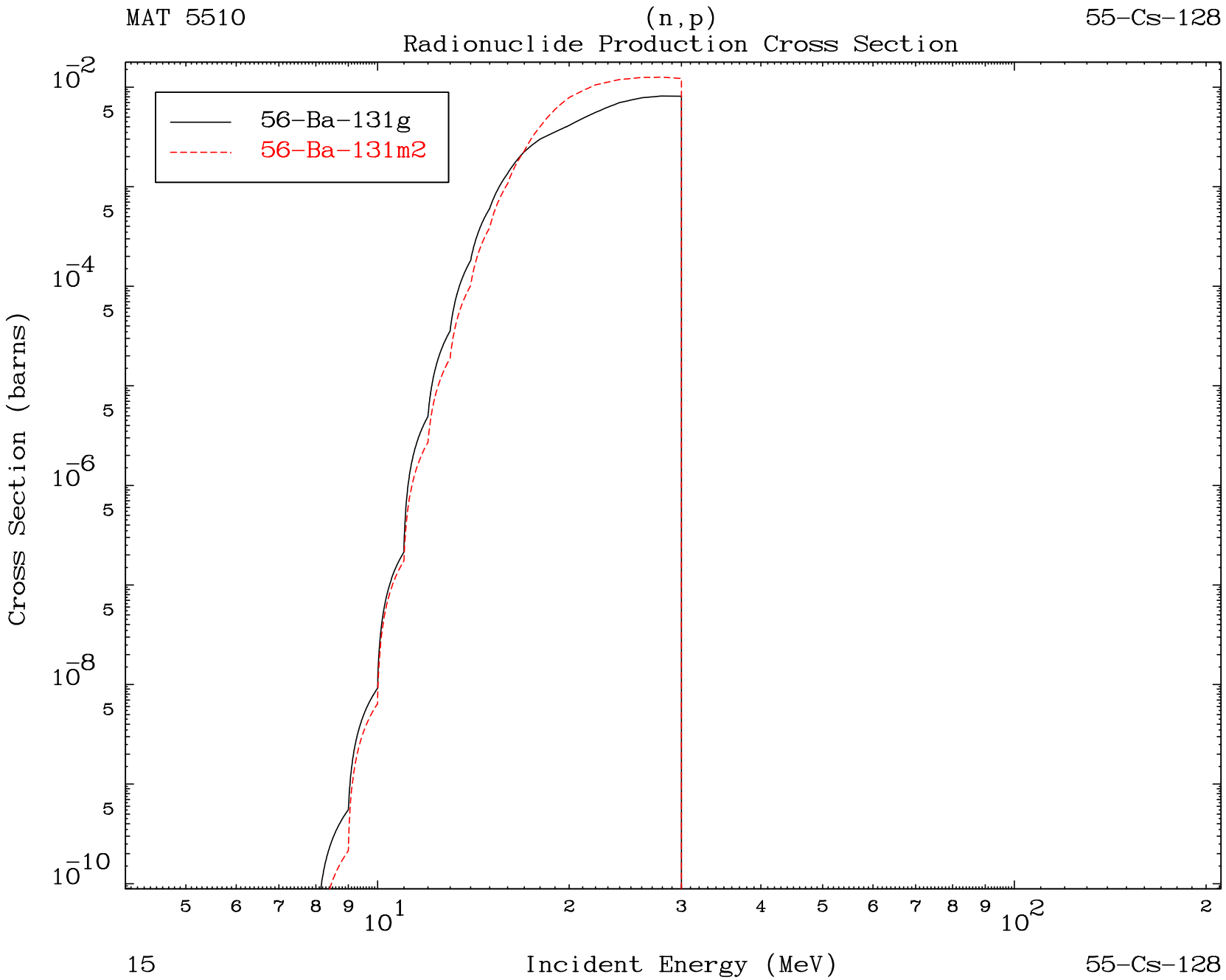

MAT 5510
(α,α) Levels
55-Cs-128
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
55-Cs-128

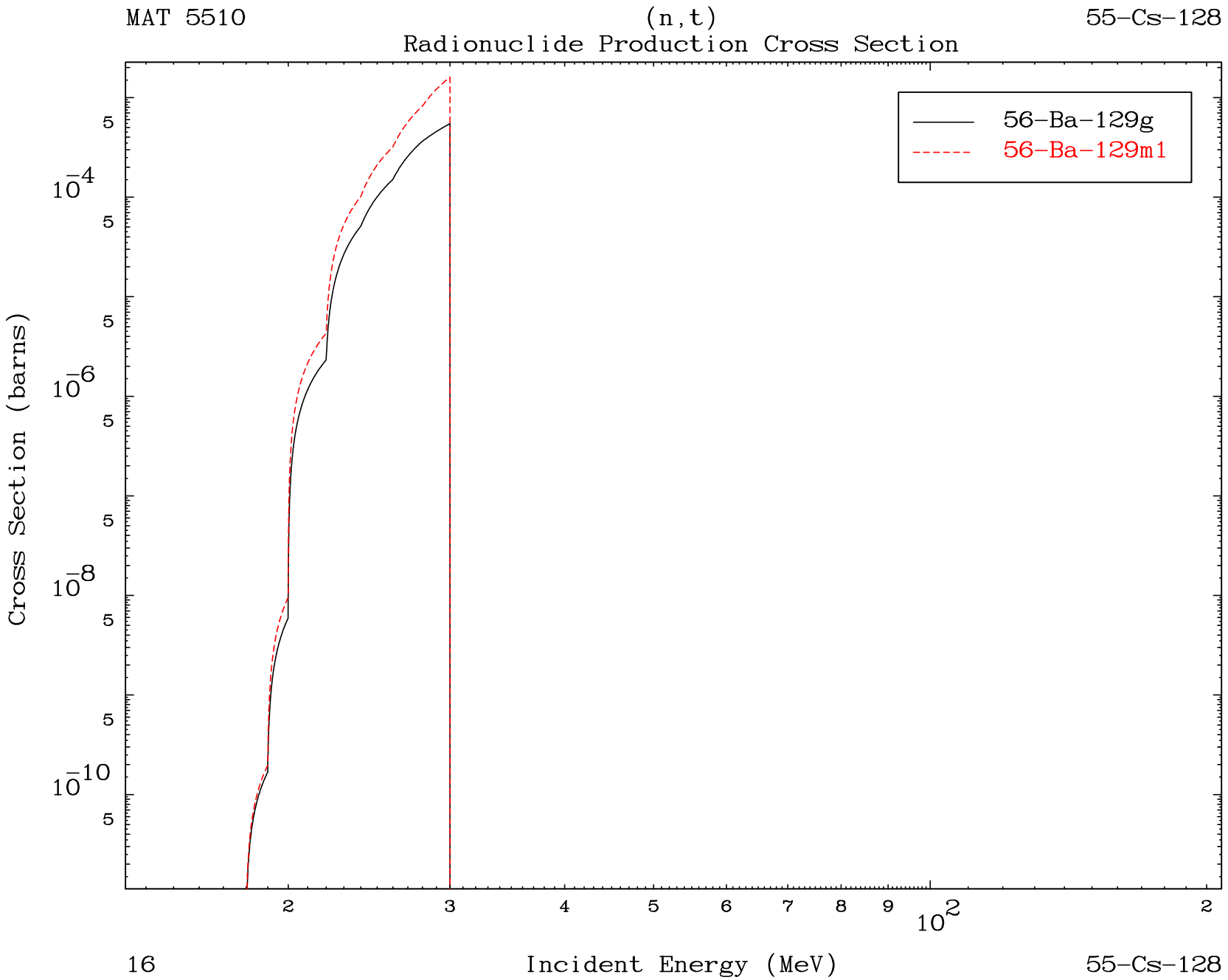

MAT 5510
(n,3n)
55-Cs-128
Radionuclide Production Cross Section
57-La-129g
57-La-129m2
Cross Section (barns)
Incident Energy (MeV)
11
55-Cs-128

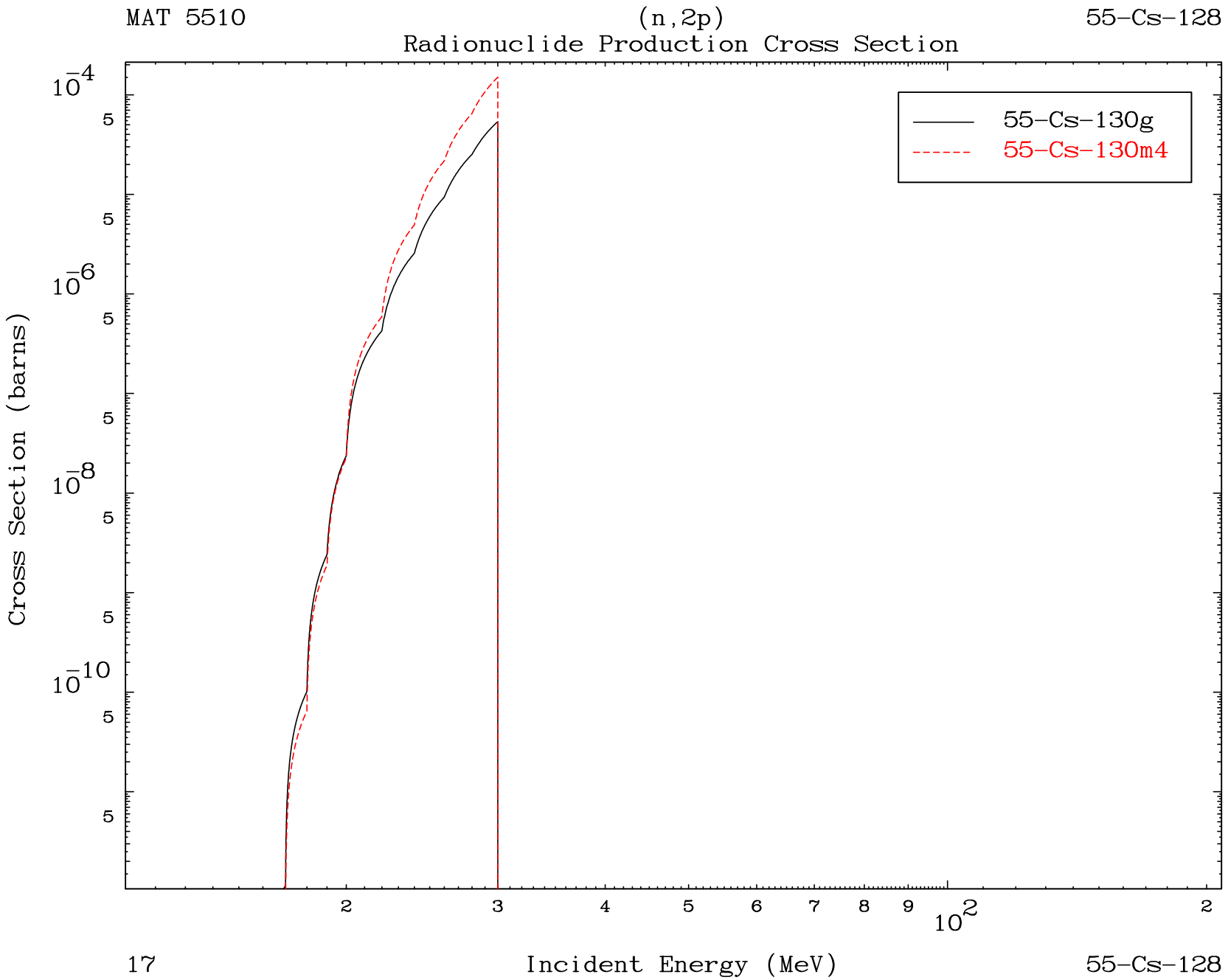

MAT 5510
(n,n') d
55-Cs-128
Radionuclide Production Cross Section
56-Ba-129g
56-Ba-129m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
55-Cs-128

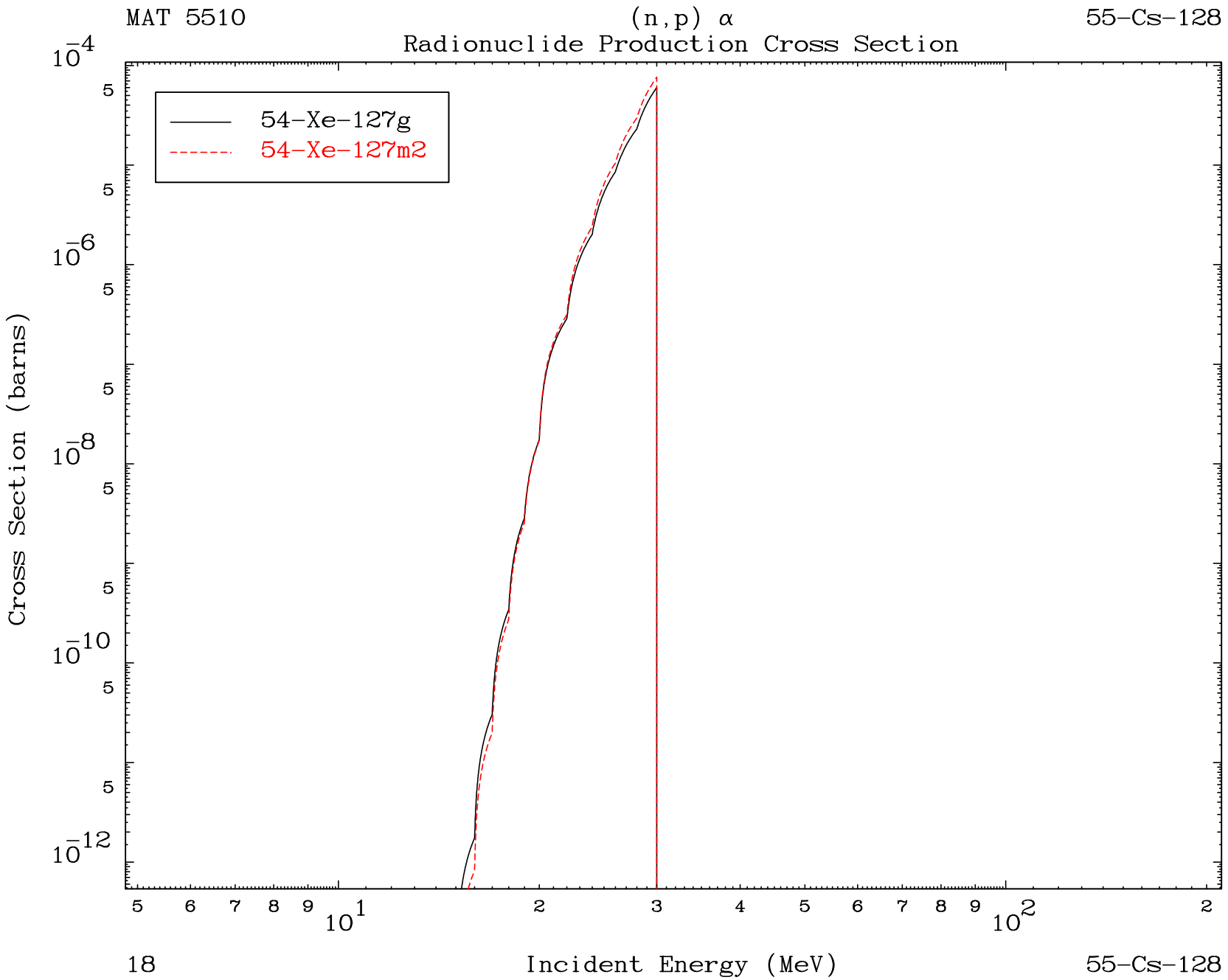

MAT 5510
(n,2n) p
55-Cs-128
Radionuclide Production Cross Section
56-Ba-129g
56-Ba-129m1
Cross Section (barns)
Incident Energy (MeV)
13
55-Cs-128


MAT 5510
(n,γ)
55-Cs-128
Radionuclide Production Cross Section
57-La-132g
57-La-132m4
Cross Section (barns)
Incident Energy (MeV)
14
55-Cs-128


MAT 5510
(n,p)
55-Cs-128
Radionuclide Production Cross Section
56-Ba-131g
56-Ba-131m2
Cross Section (barns)
Incident Energy (MeV)
15
55-Cs-128


MAT 5510
(n,t)
55-Cs-128
Radionuclide Production Cross Section
56-Ba-129g
56-Ba-129m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
16
55-Cs-128


MAT 5510
(n,2p)
55-Cs-128
Radionuclide Production Cross Section
55-Cs-130g
55-Cs-130m4
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
2
3
4
5
6
7
8
9
10 2
17
55-Cs-128


MAT 5510
(n,p) α
55-Cs-128
Radionuclide Production Cross Section
54-Xe-127g
54-Xe-127m2
Cross Section (barns)
Incident Energy (MeV)
18
55-Cs-128