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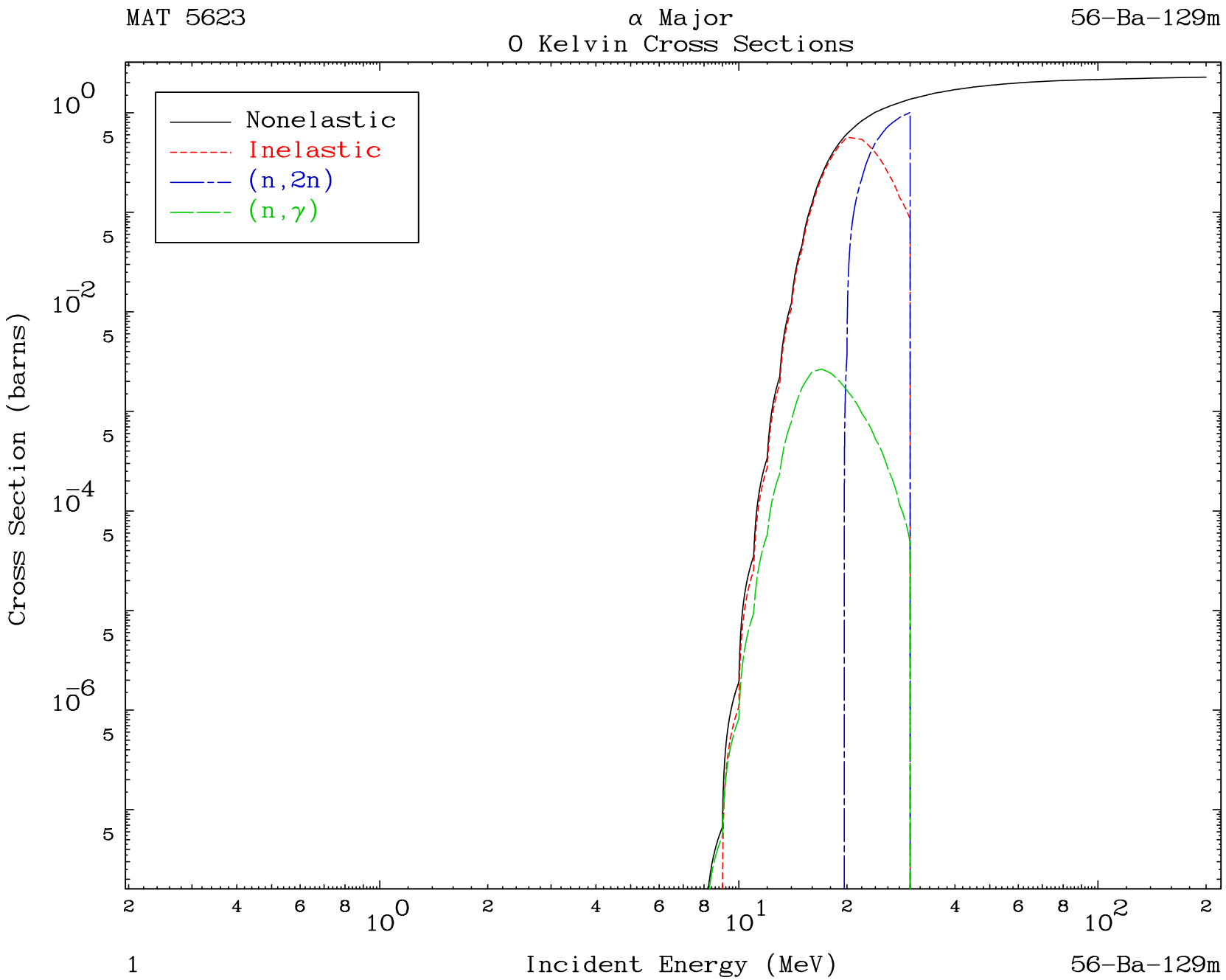
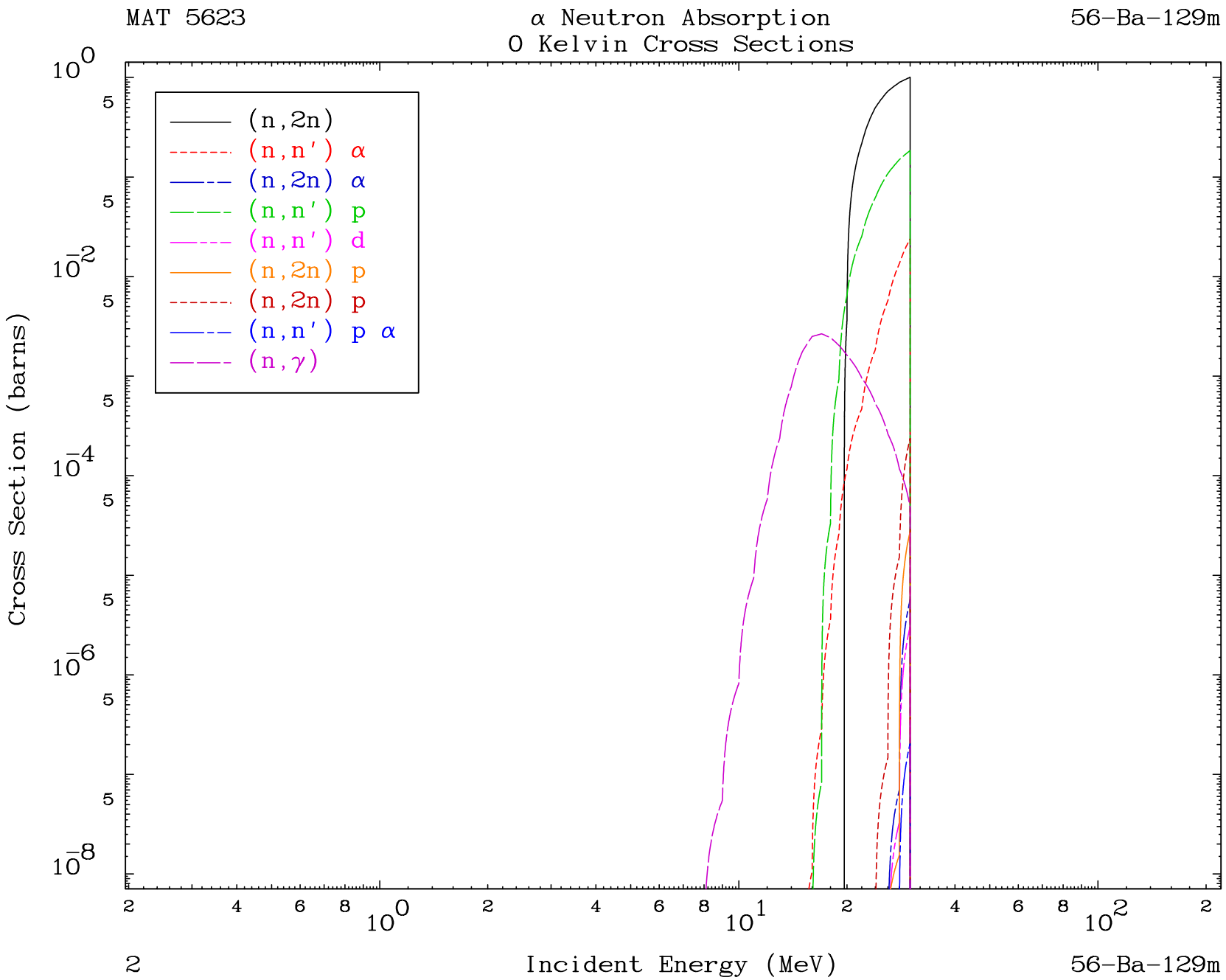
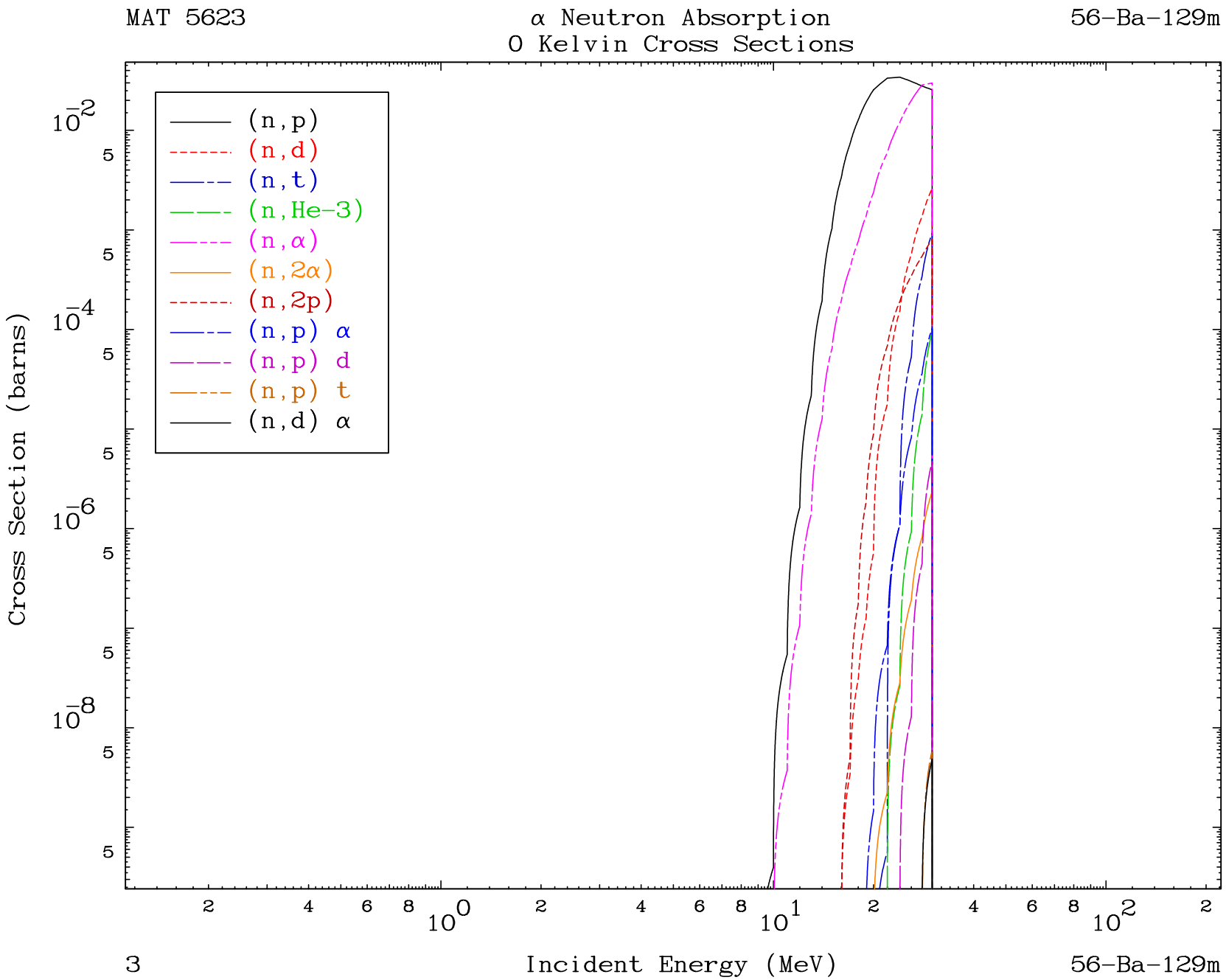
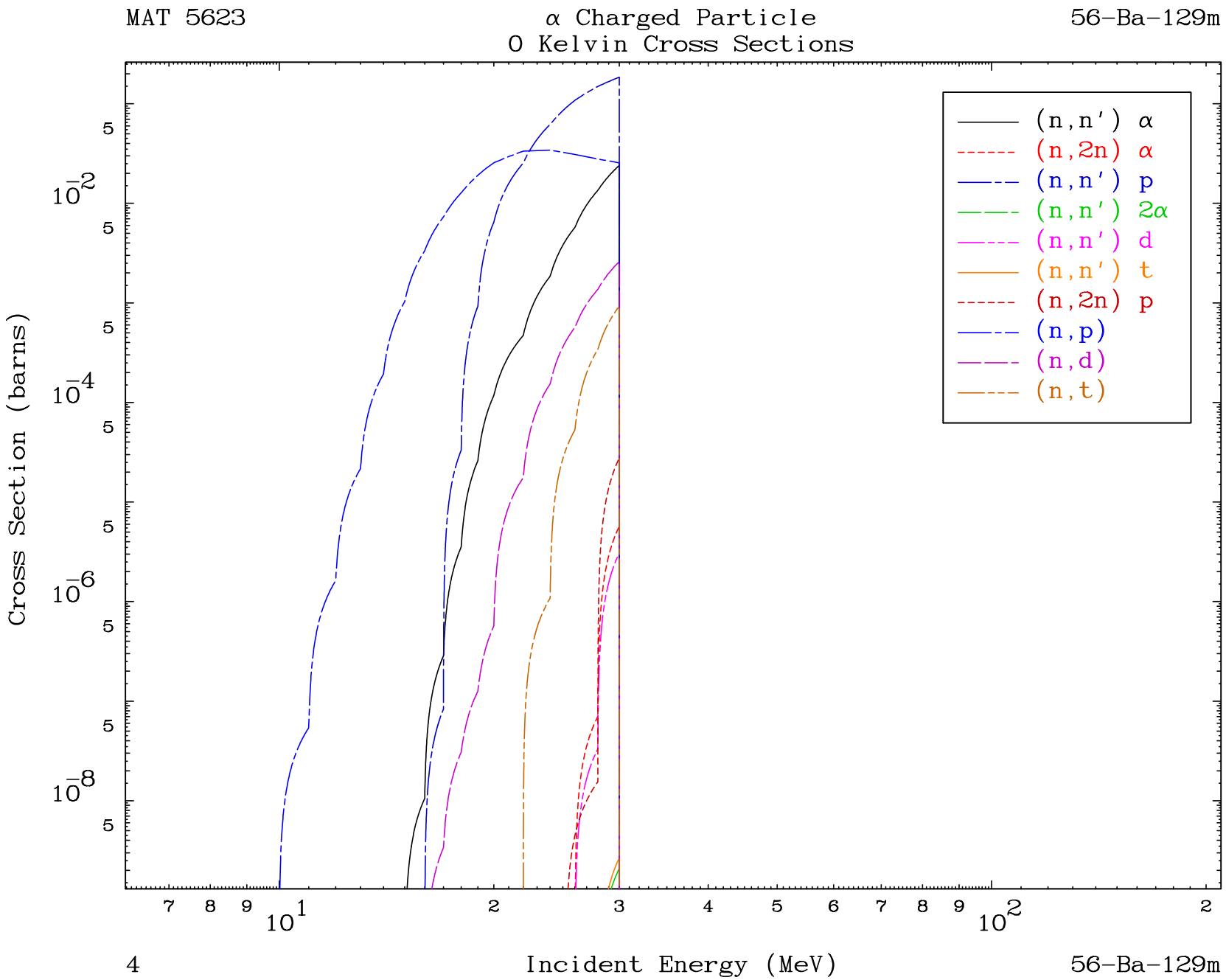
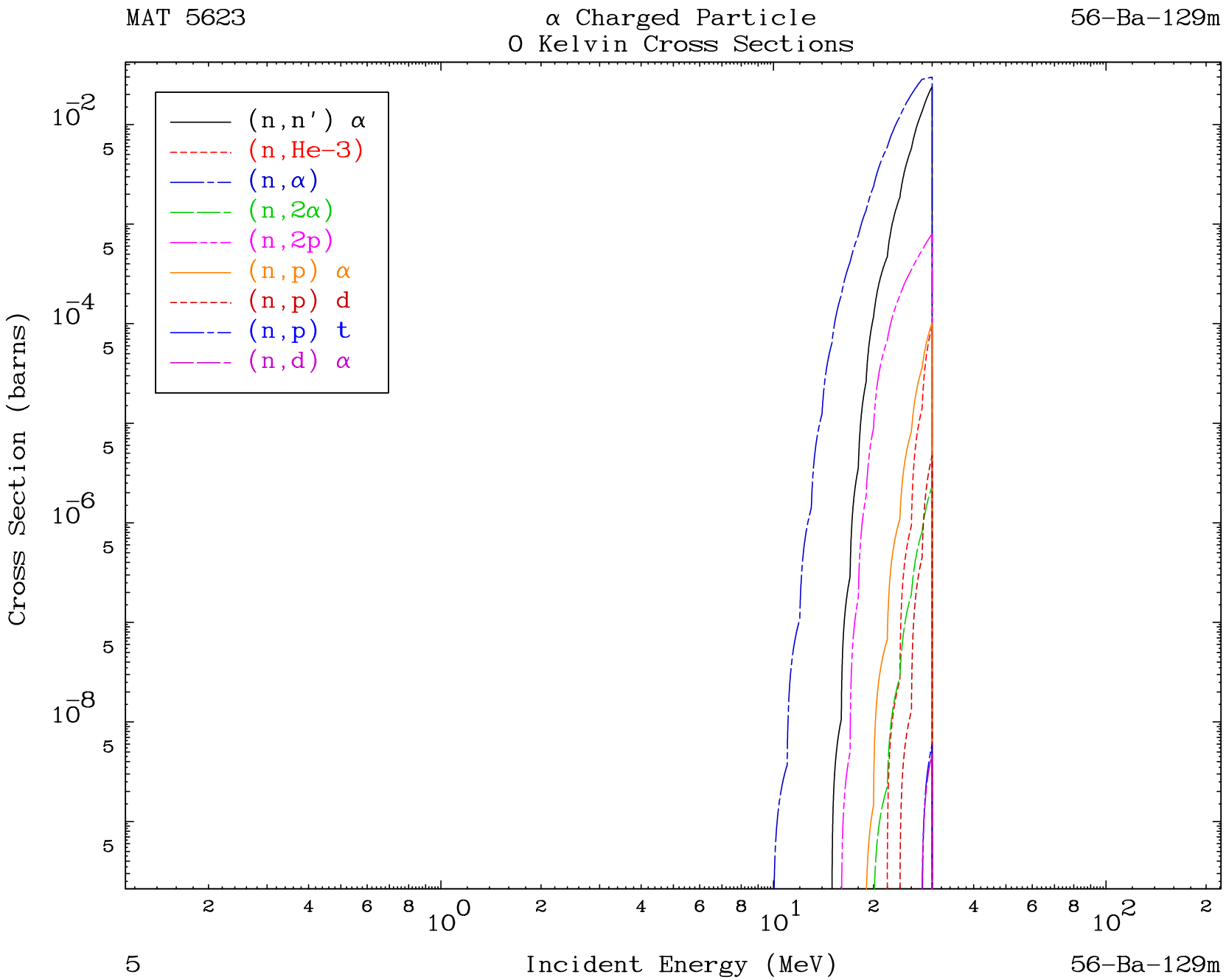
Press Mouse Button to Start

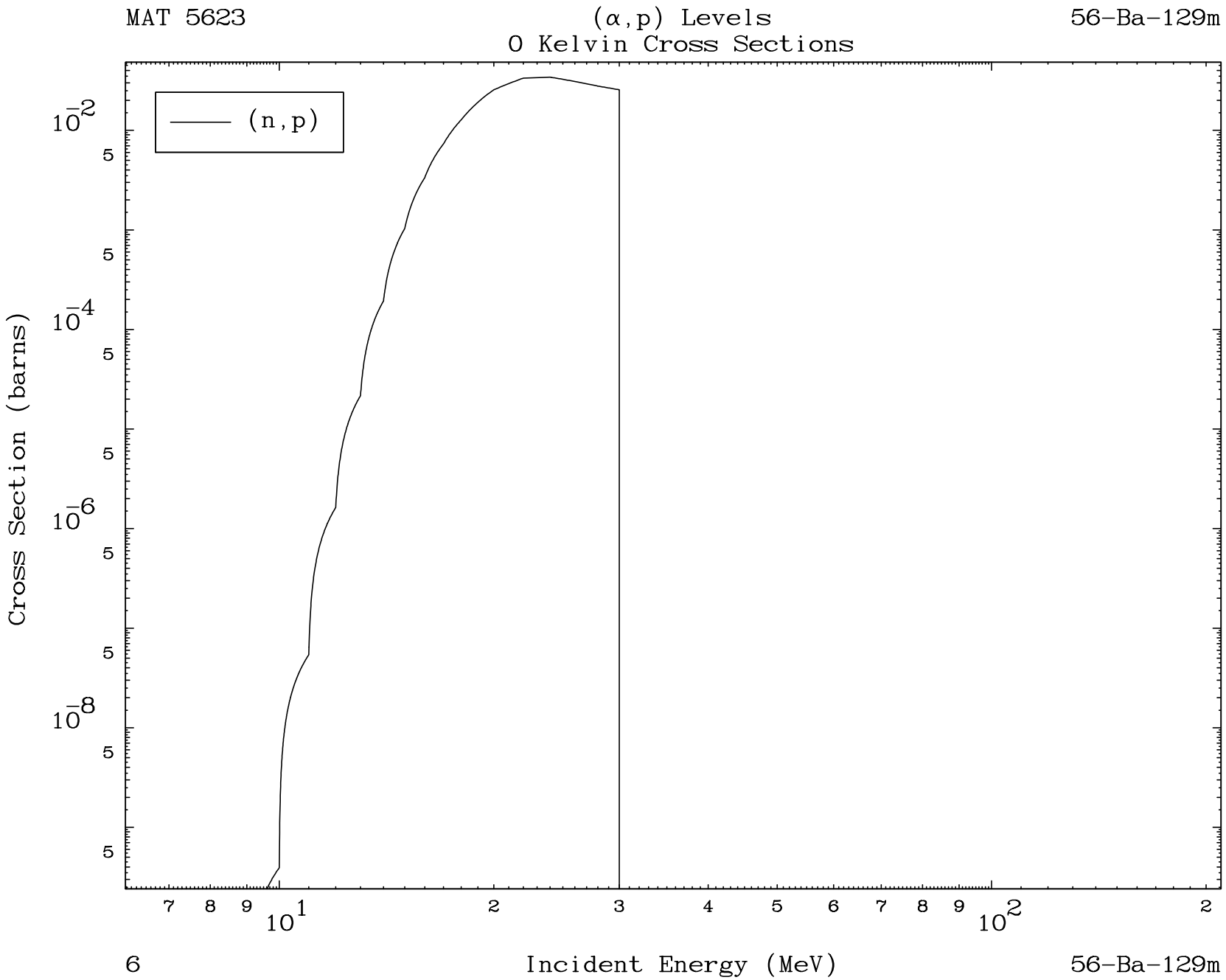

MAT 5623
α Major
56-Ba-129m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-129m
1

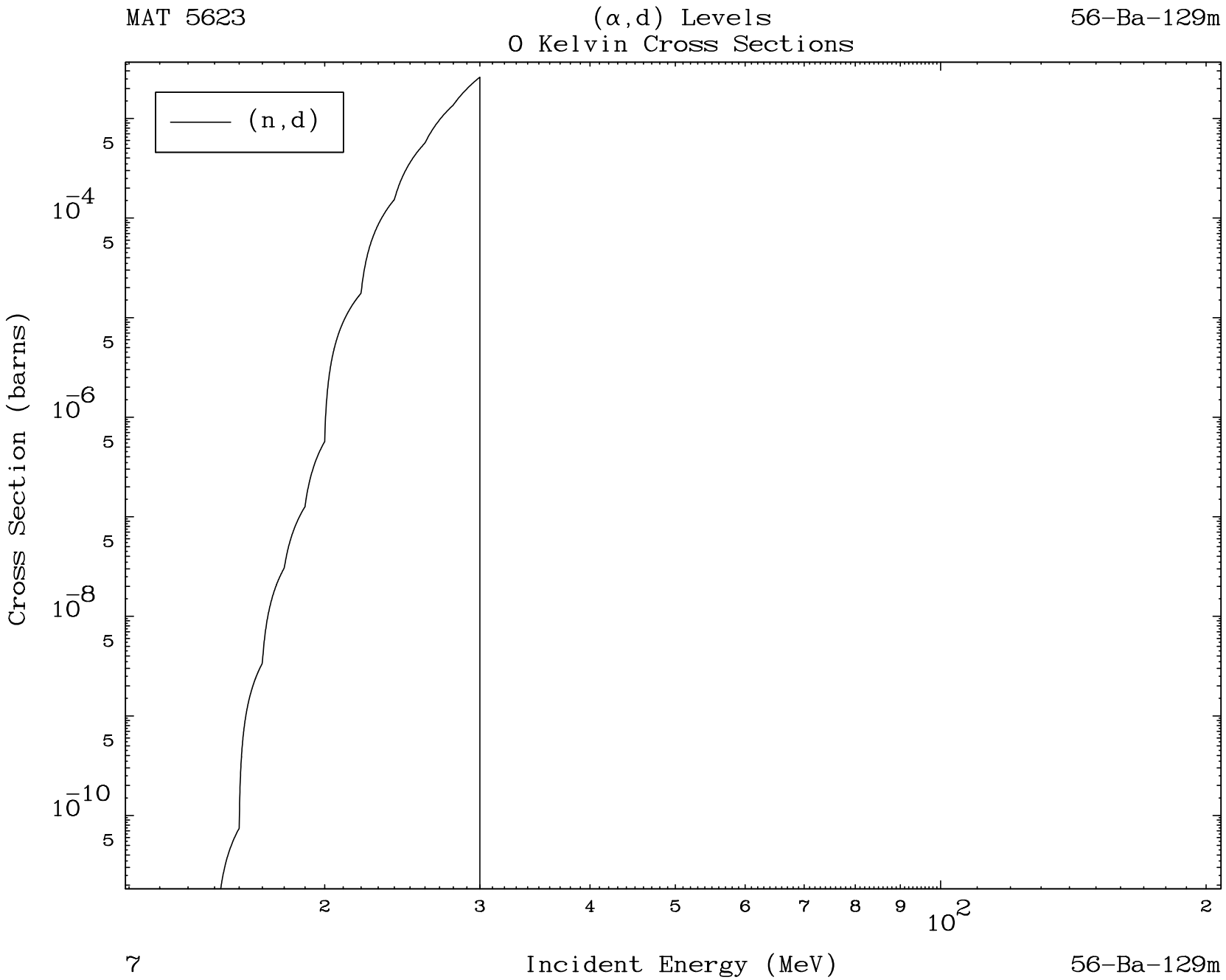

MAT 5623
α Neutron Absorption
0 Kelvin Cross Sections
56-Ba-129m
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-129m


MAT 5623
α Neutron Absorption
0 Kelvin Cross Sections
56-Ba-129m
(n,p)
(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
56-Ba-129m

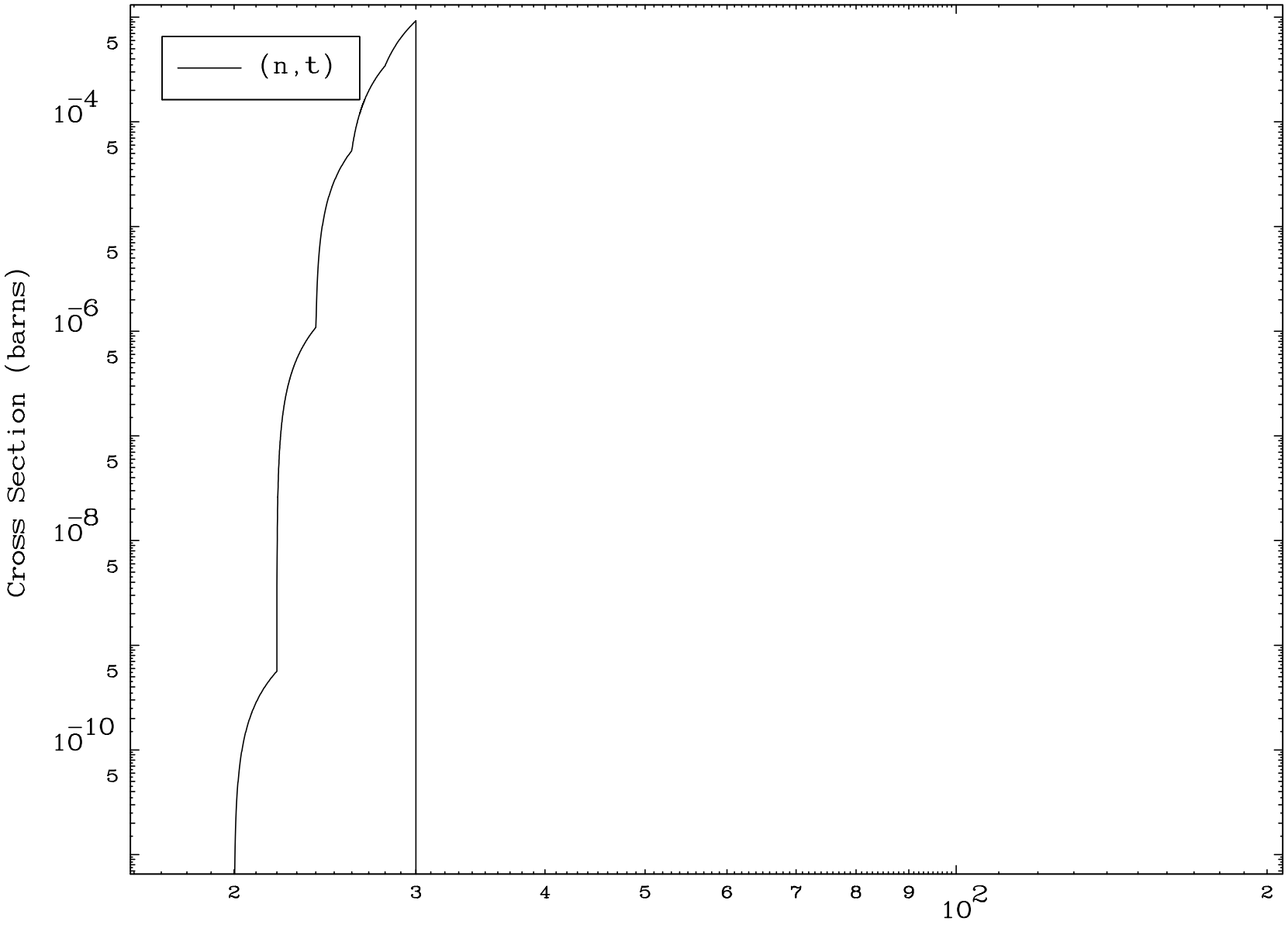

MAT 5623
α Charged Particle
0 Kelvin Cross Sections
56-Ba-129m
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
4
56-Ba-129m

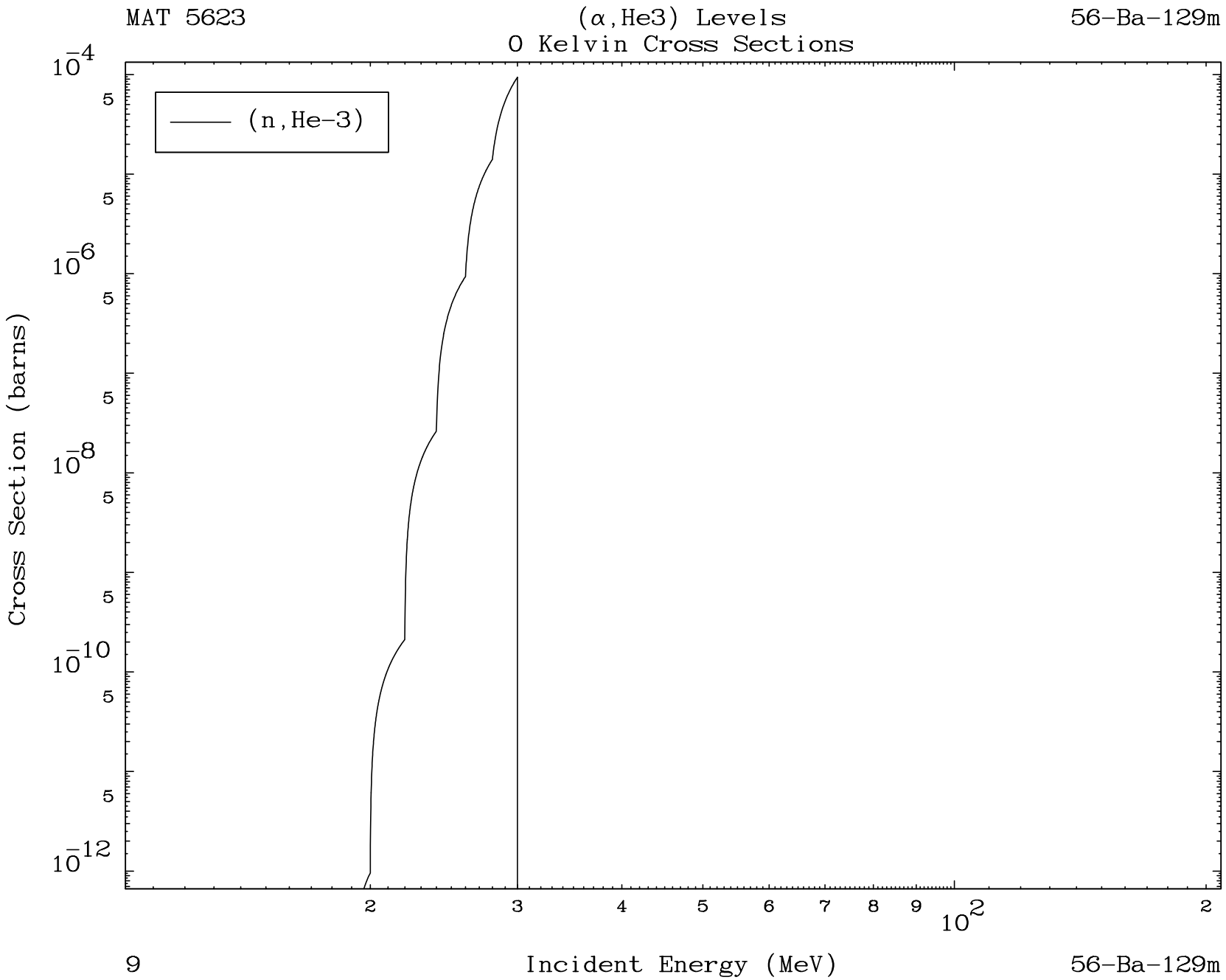

MAT 5623
α Charged Particle
0 Kelvin Cross Sections
56-Ba-129m
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
56-Ba-129m

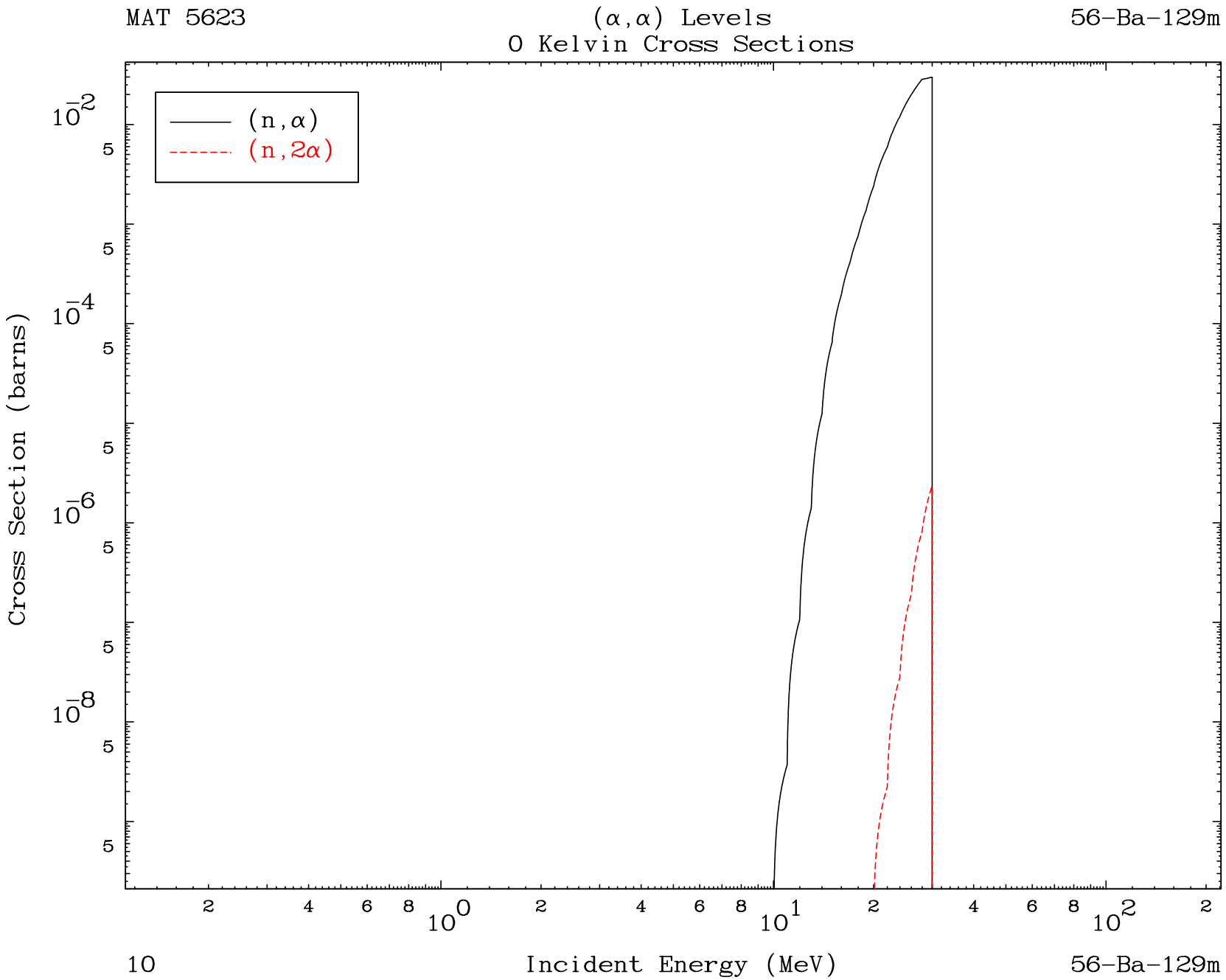

MAT 5623
(α,p) Levels
56-Ba-129m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
56-Ba-129m

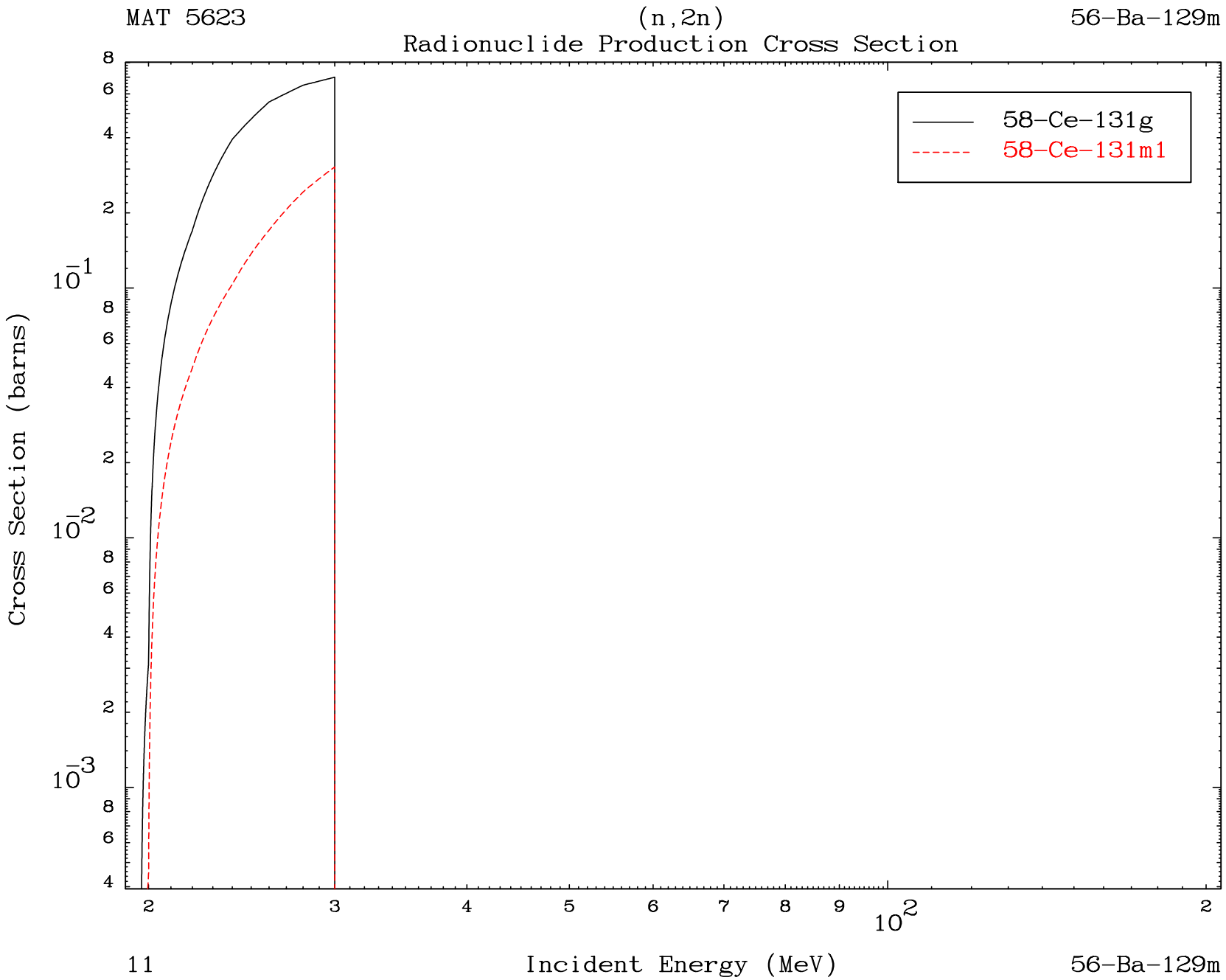

MAT 5623
(α,d) Levels
56-Ba-129m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
7
56-Ba-129m

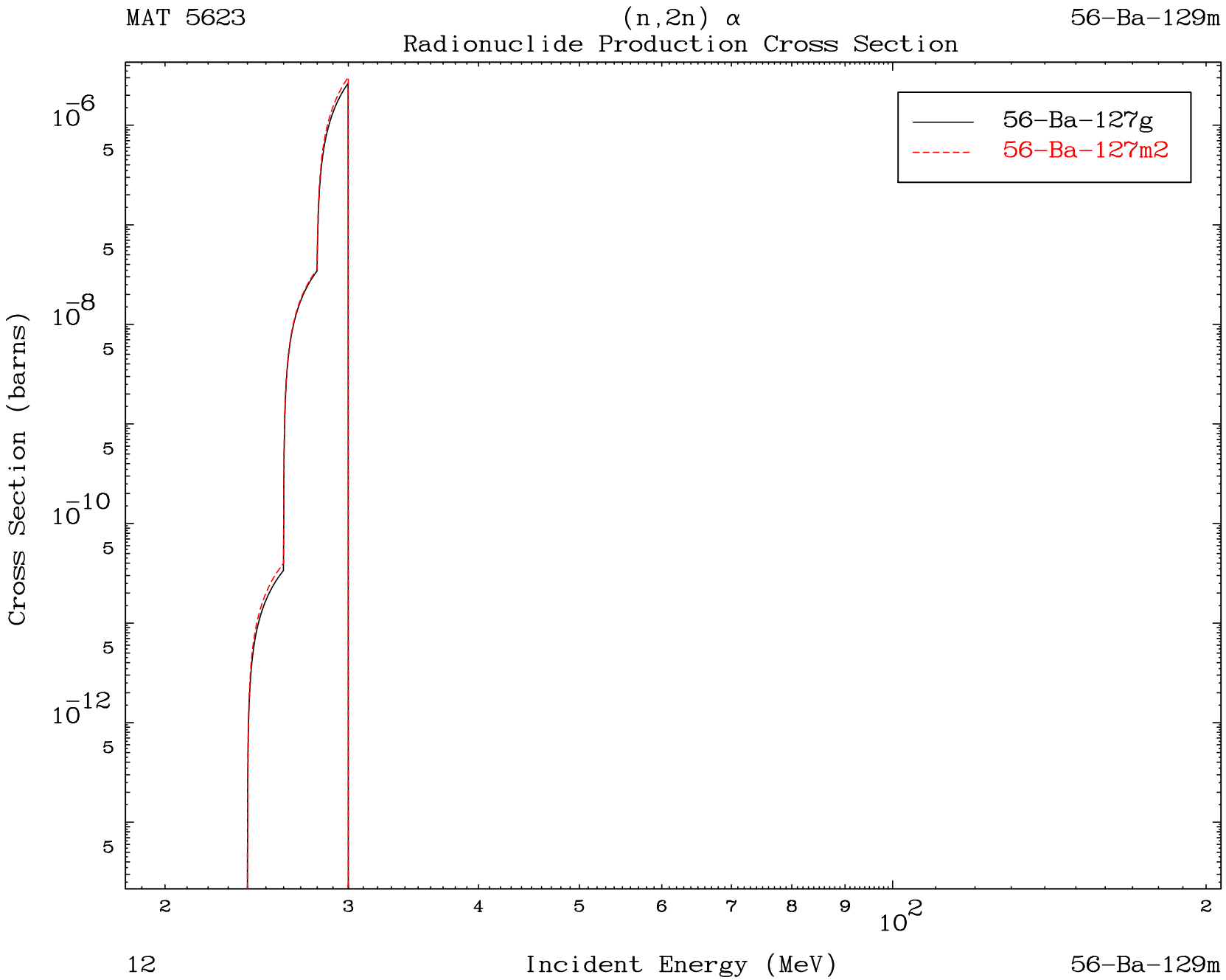
0 Kelvin Cross Sections

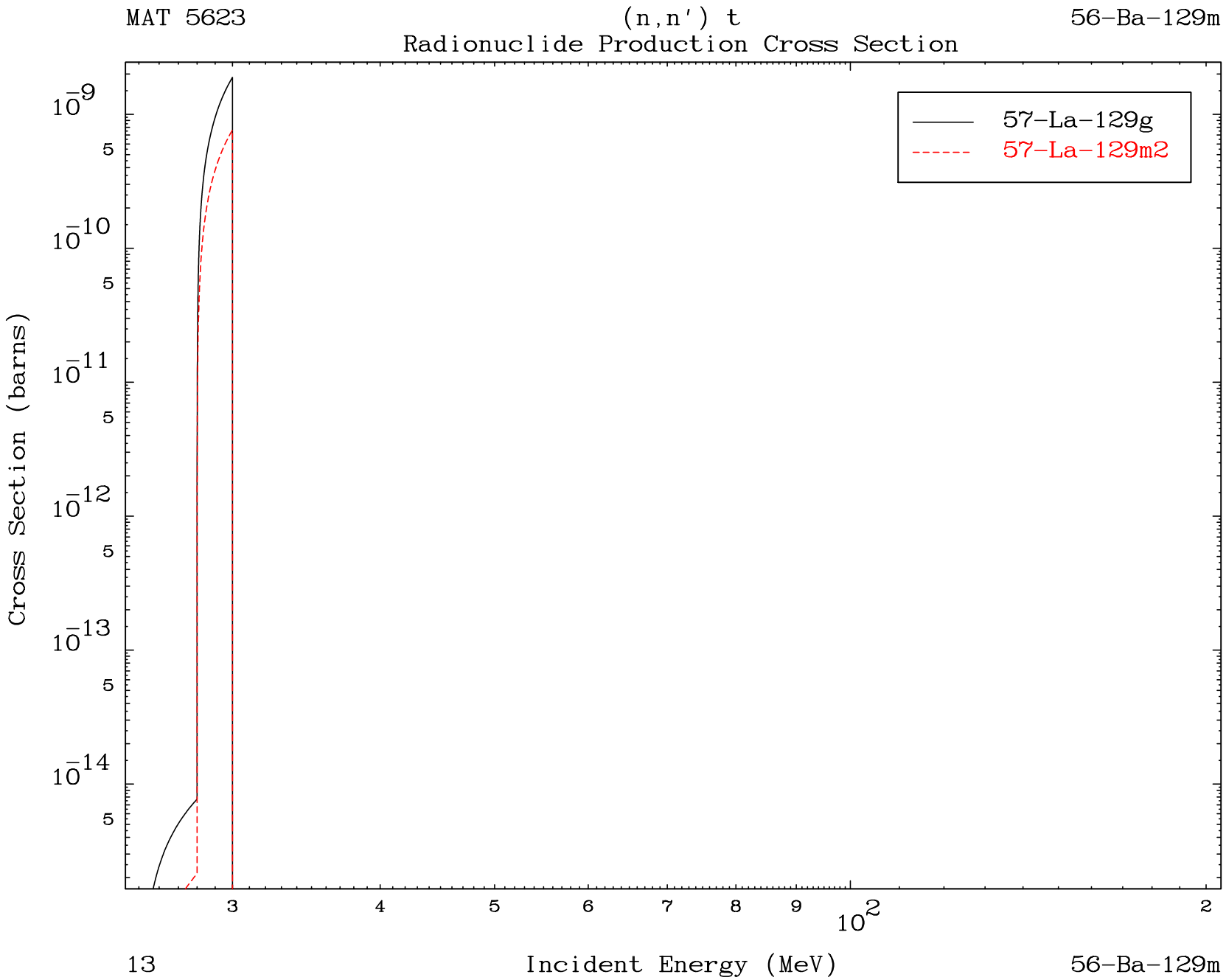


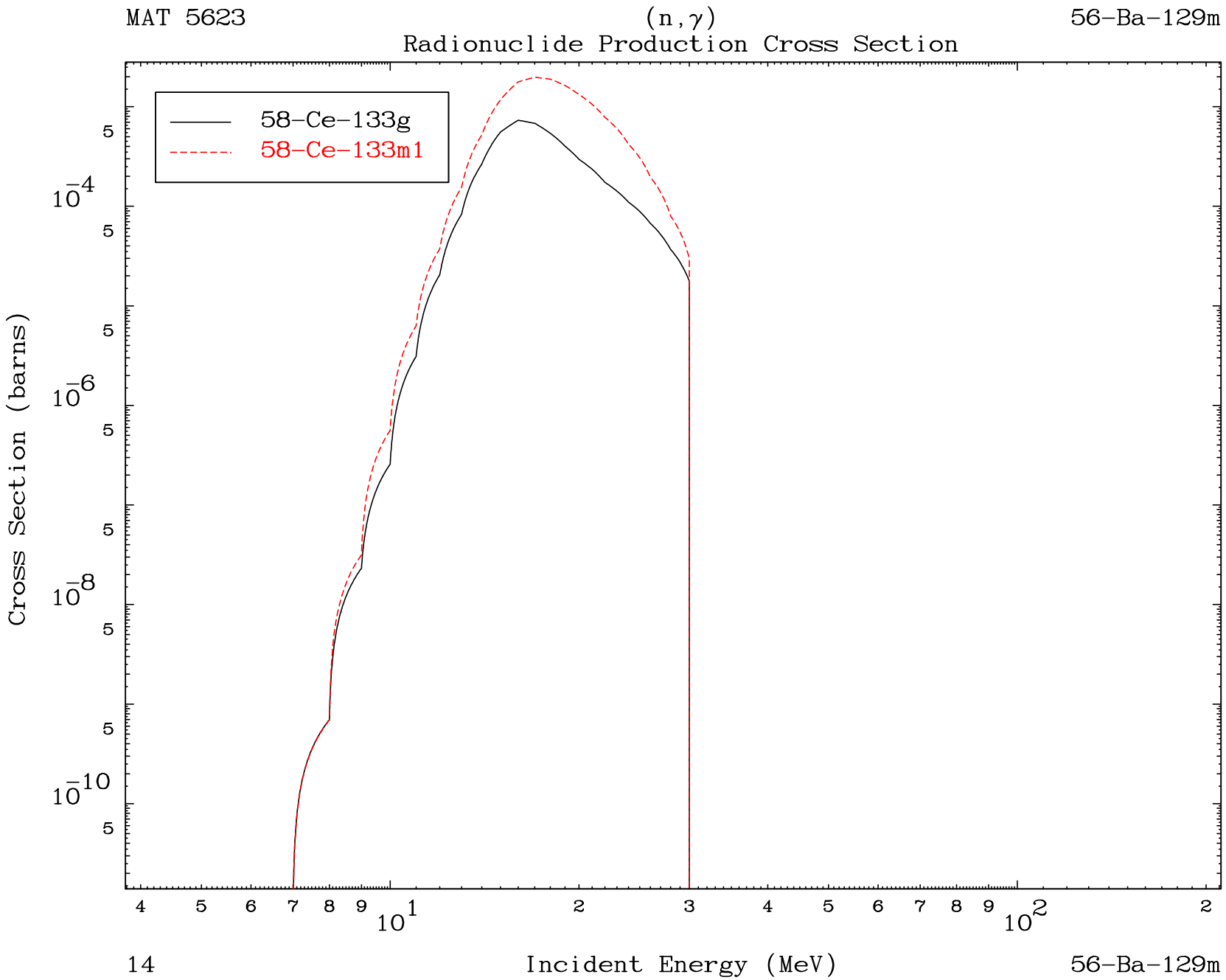

MAT 5623
(α,He3) Levels
56-Ba-129m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
10-12
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
9
56-Ba-129m

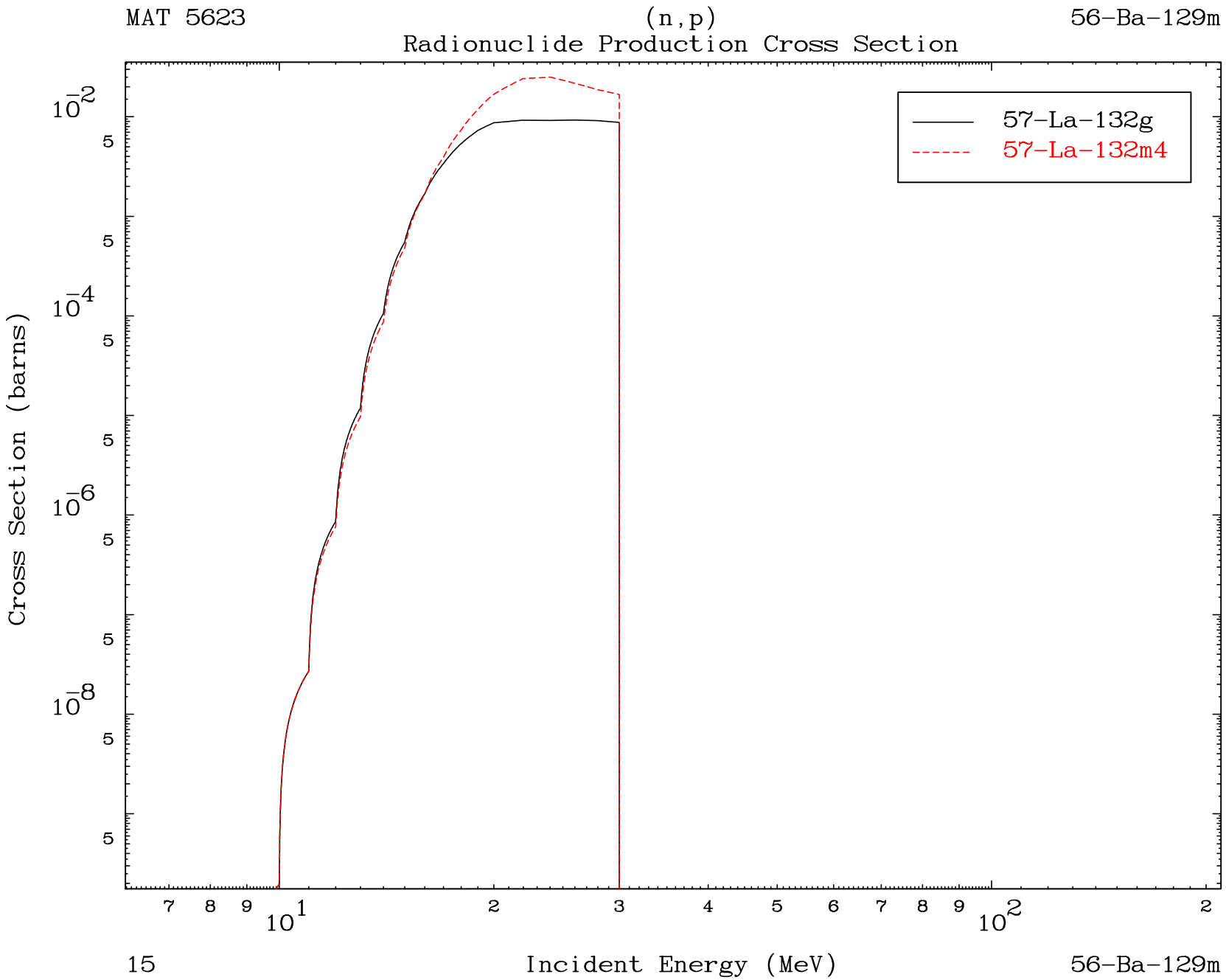

MAT 5623
(α,α) Levels
56-Ba-129m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-129m

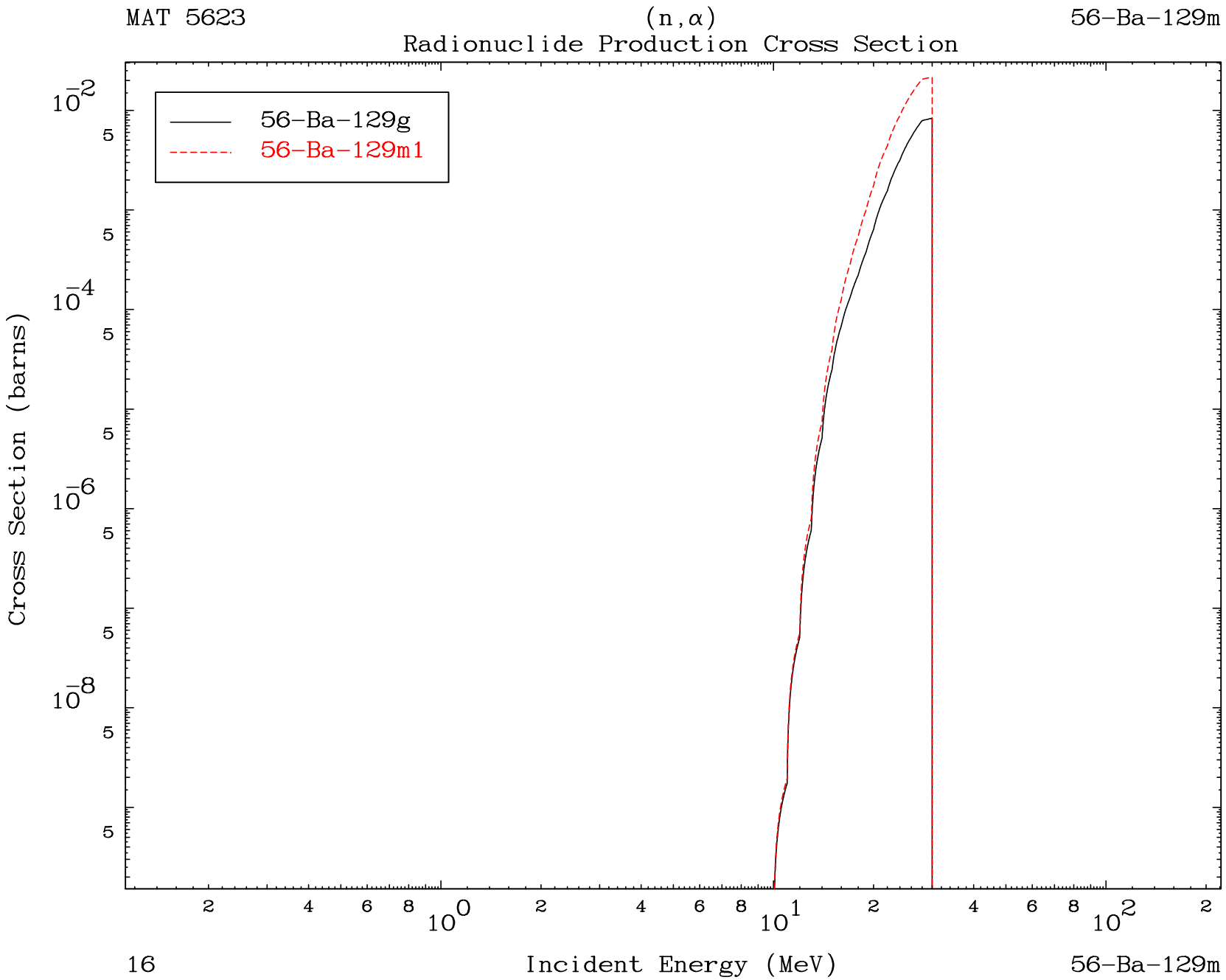

MAT 5623
(n,2n)
56-Ba-129m
Radionuclide Production Cross Section
58-Ce-131g
58-Ce-131m1
Cross Section (barns)
Incident Energy (MeV)
11
56-Ba-129m

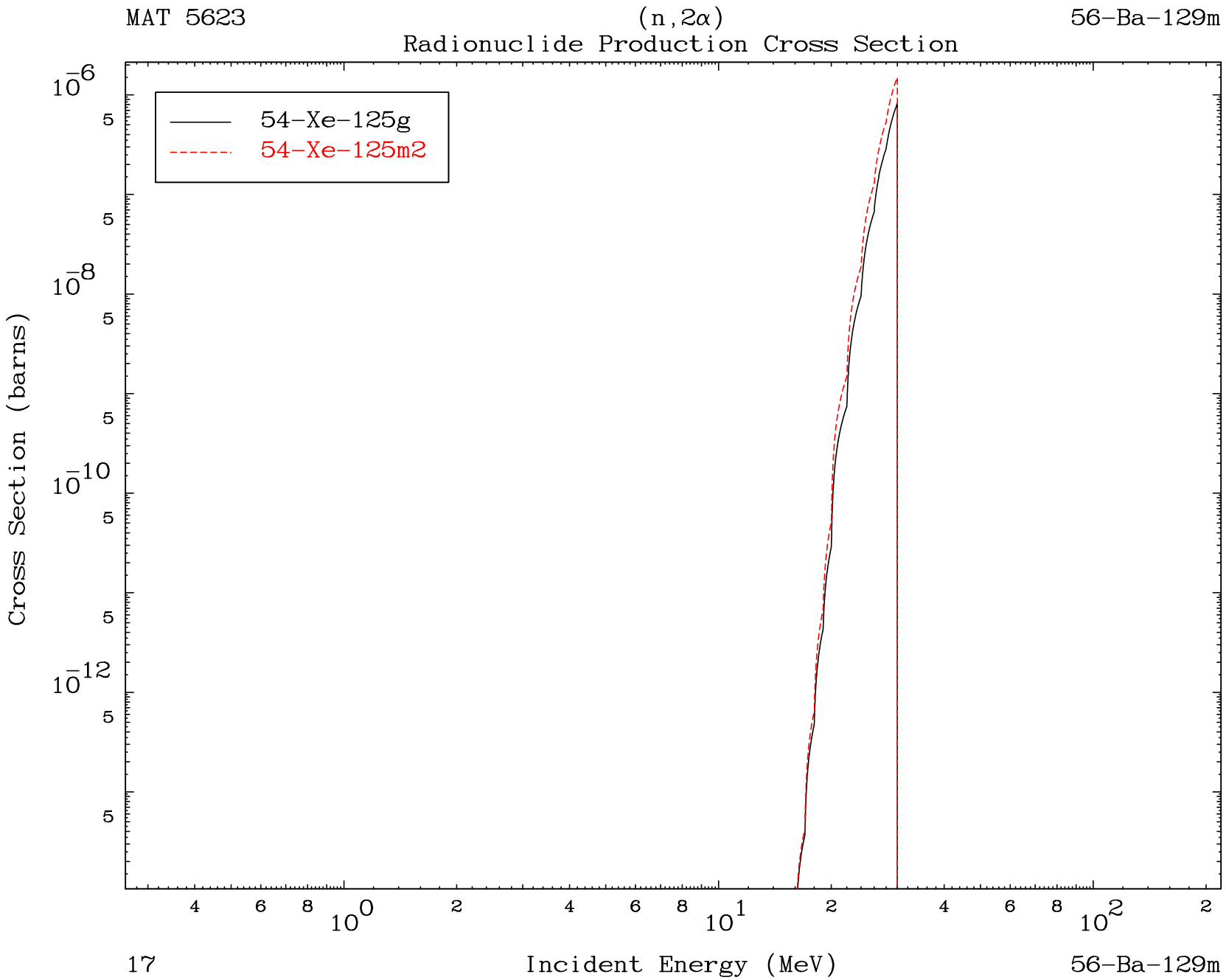

MAT 5623
(n,2n) α
56-Ba-129m
Radionuclide Production Cross Section
56-Ba-127g
56-Ba-127m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
12
56-Ba-129m

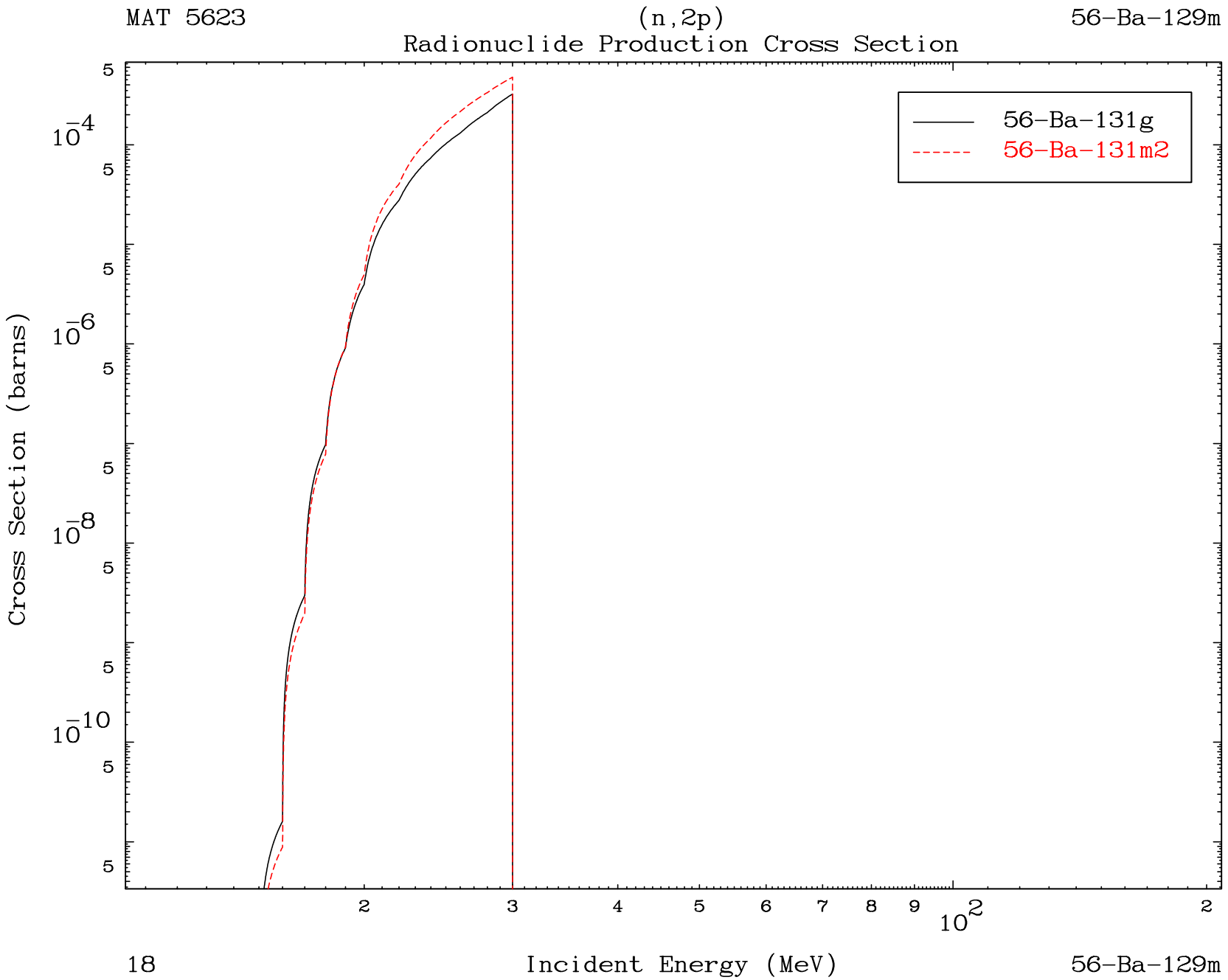

MAT 5623
(n,n') t
56-Ba-129m
Radionuclide Production Cross Section
57-La-129g
57-La-129m2
Cross Section (barns)
10-9
10-10
10-11
10-12
10-13
10-14
5
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
56-Ba-129m

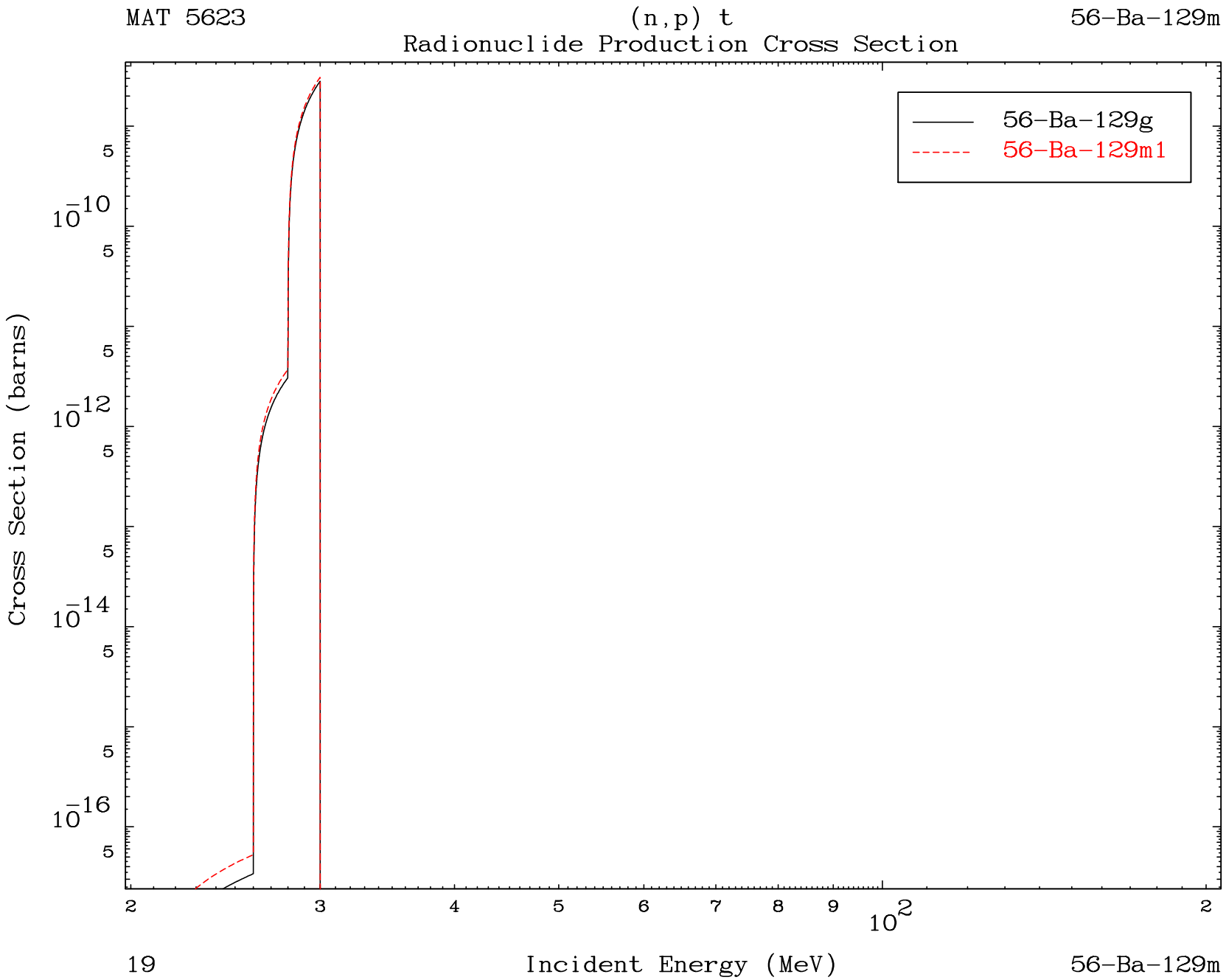

MAT 5623
(n,γ)
56-Ba-129m
Radionuclide Production Cross Section
58-Ce-133g
58-Ce-133m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
14
Incident Energy (MeV)
56-Ba-129m


MAT 5623
(n,p)
56-Ba-129m
Radionuclide Production Cross Section
57-La-132g
57-La-132m4
Cross Section (barns)
Incident Energy (MeV)
15
56-Ba-129m


MAT 5623
(n,α)
56-Ba-129m
Radionuclide Production Cross Section
56-Ba-129g
56-Ba-129m1
Cross Section (barns)
Incident Energy (MeV)
16
56-Ba-129m


MAT 5623
(n,2α)
56-Ba-129m
Radionuclide Production Cross Section
54-Xe-125g
54-Xe-125m2
Cross Section (barns)
Incident Energy (MeV)
17
56-Ba-129m


MAT 5623
(n,2p)
56-Ba-129m
Radionuclide Production Cross Section
56-Ba-131g
56-Ba-131m2
Cross Section (barns)
Incident Energy (MeV)
18
56-Ba-129m


MAT 5623
(n,p) t
56-Ba-129m
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
19
Incident Energy (MeV)
56-Ba-129m