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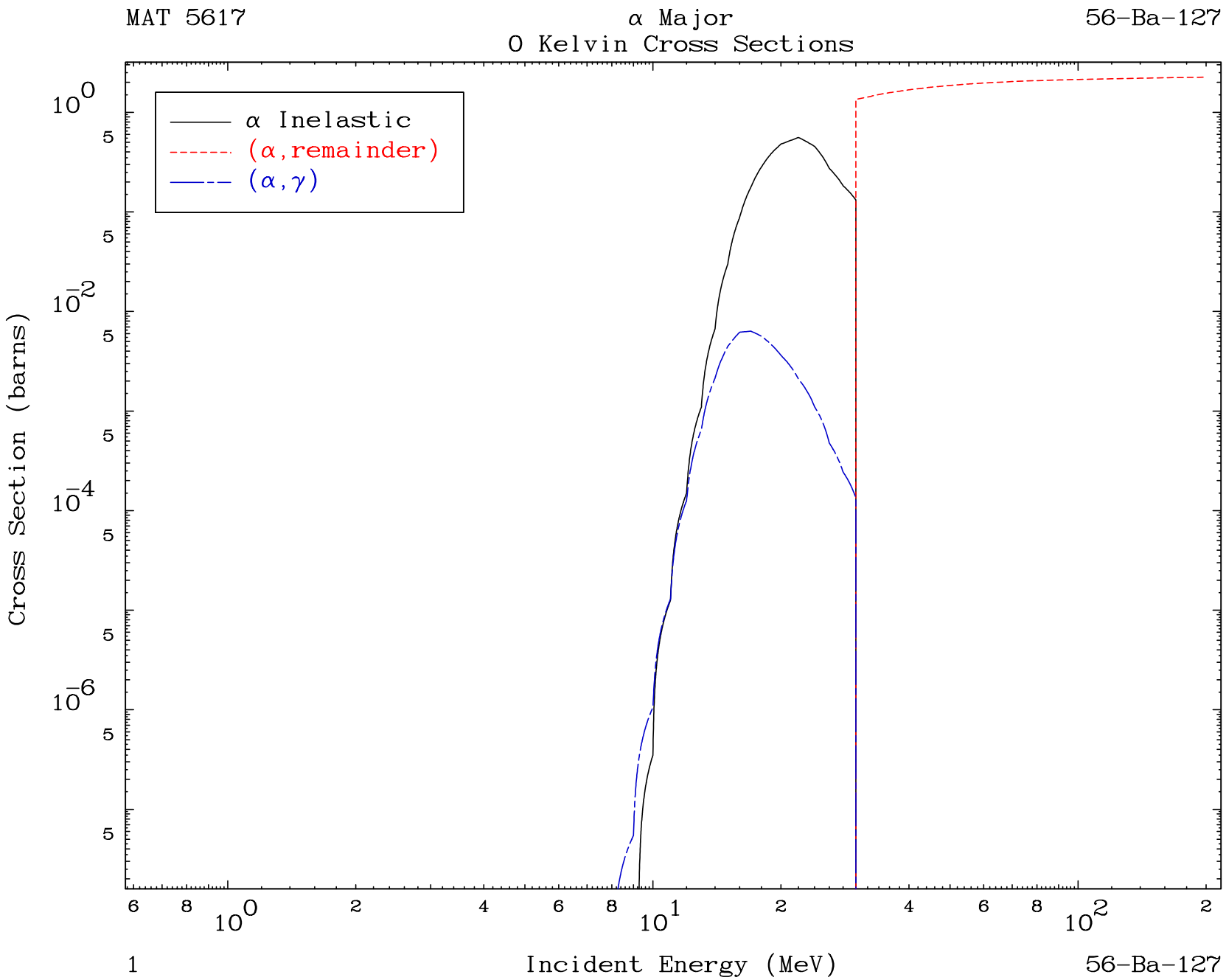
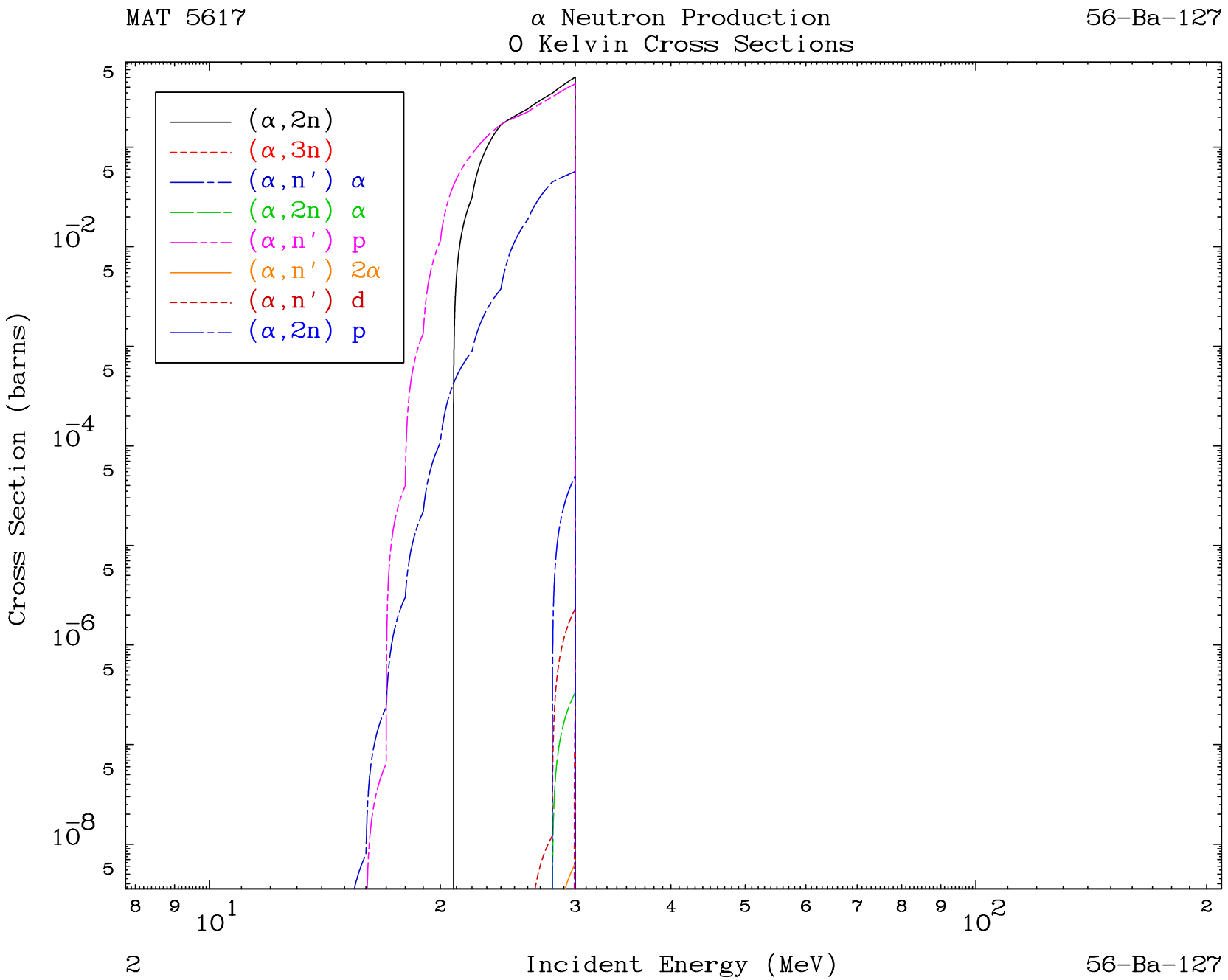
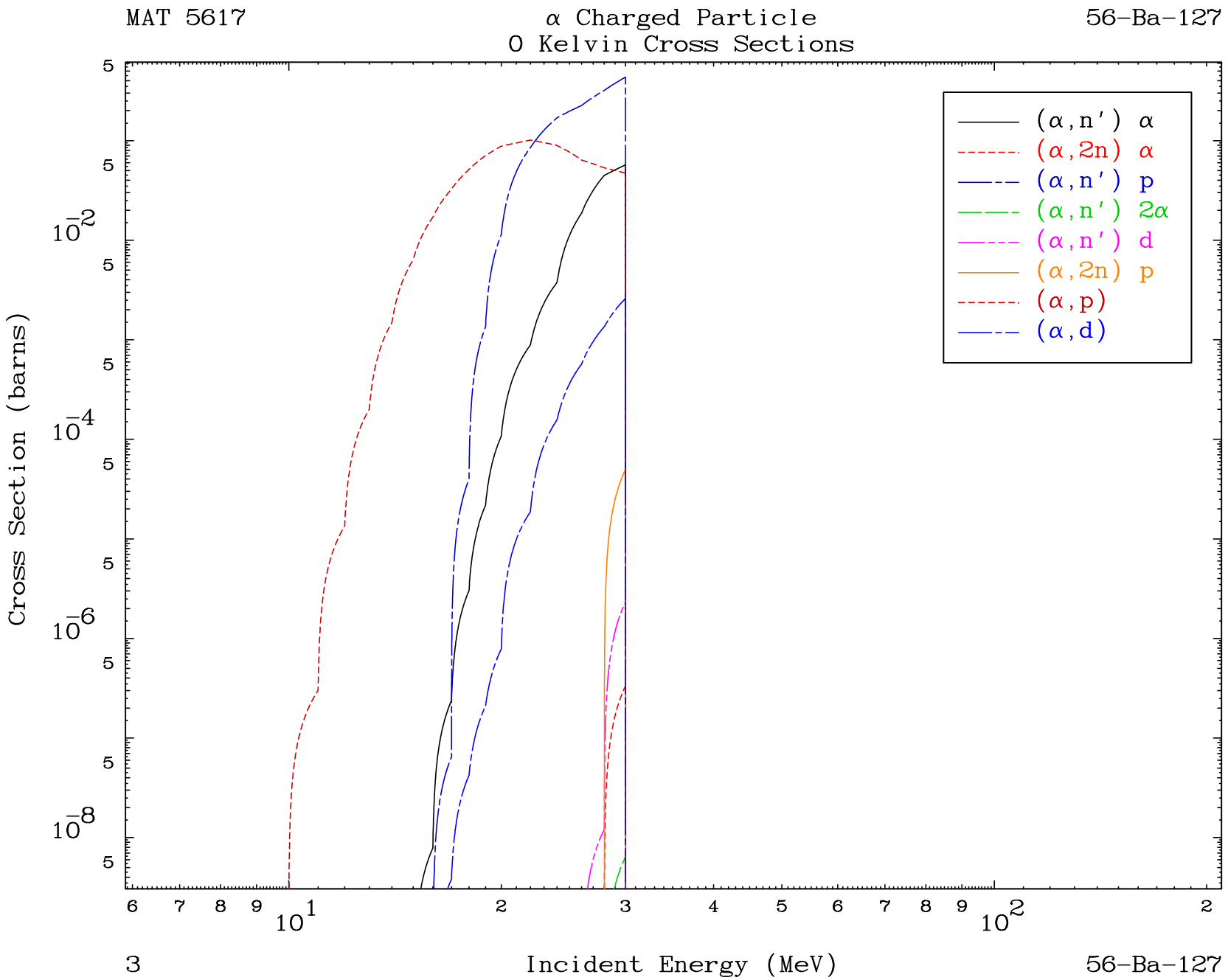
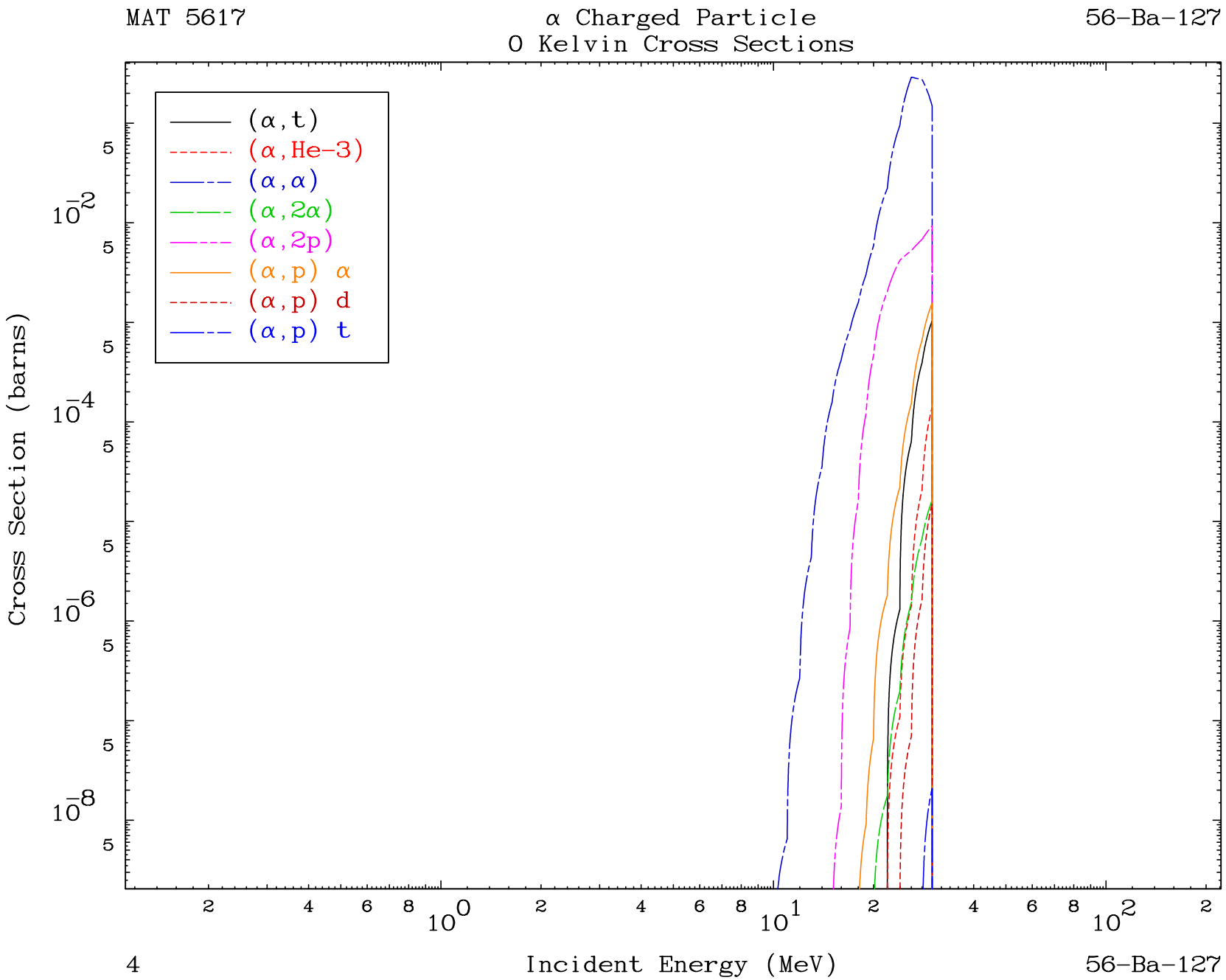
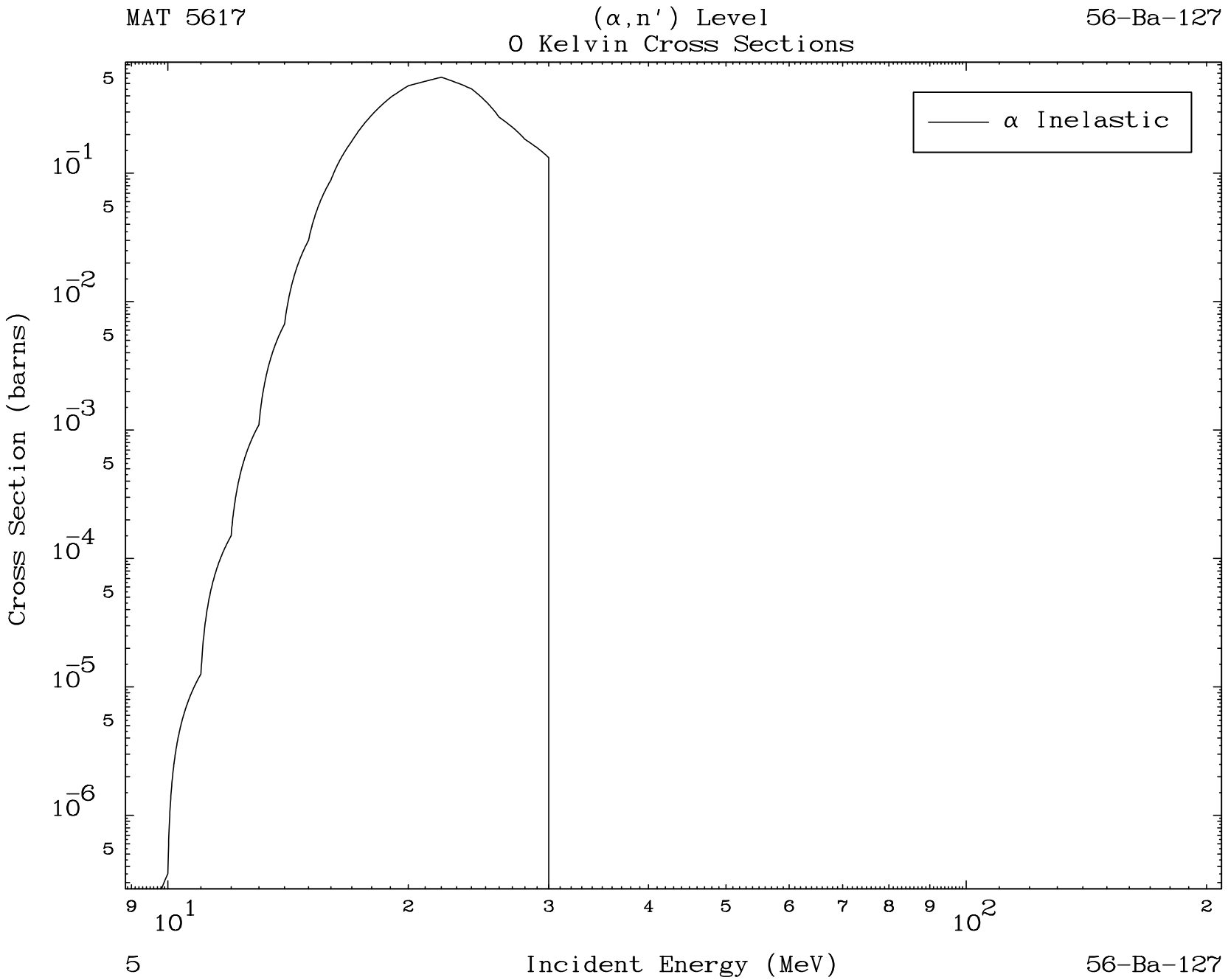
Press Mouse Button to Start

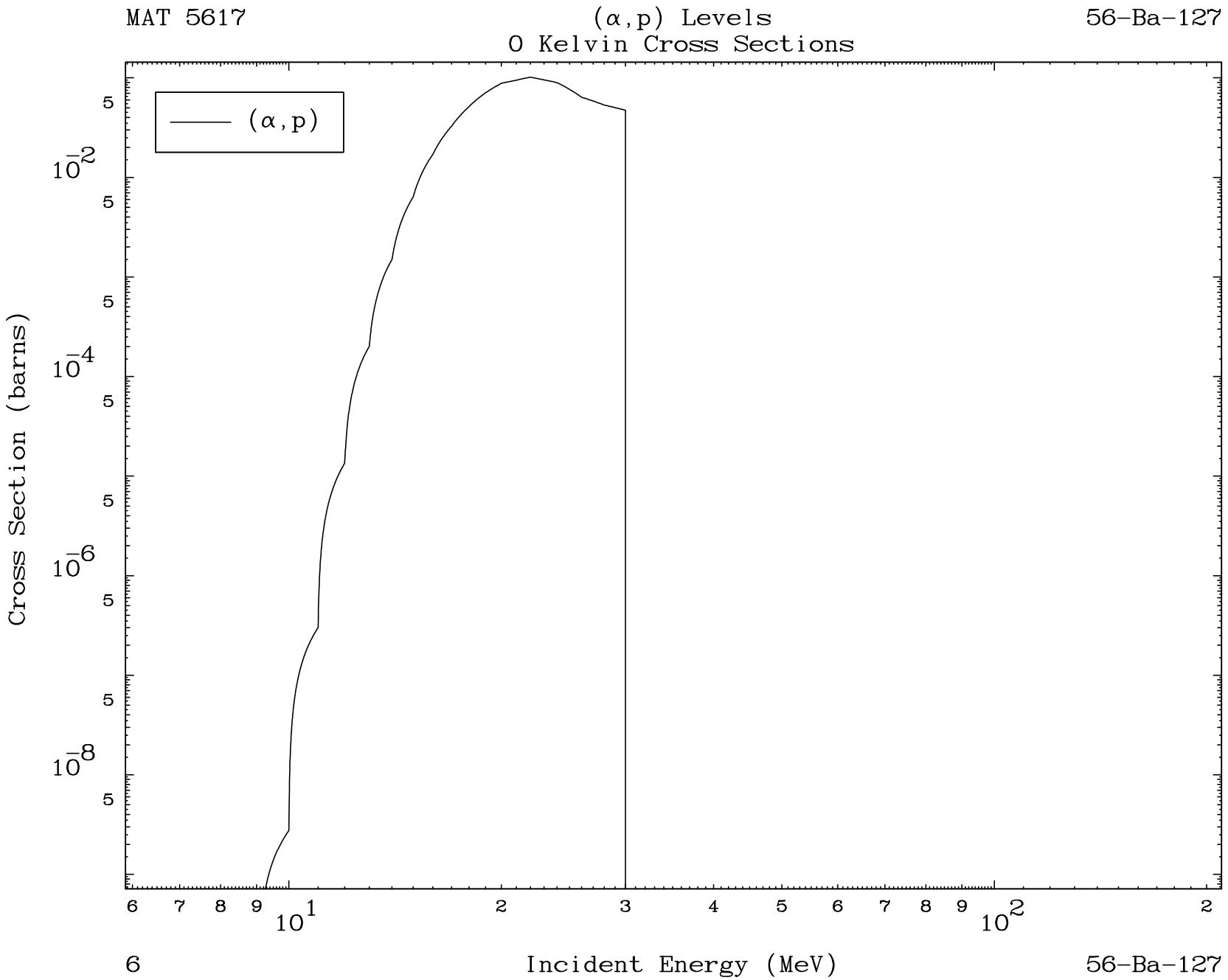

MAT 5617
α Major
56-Ba-127
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-127

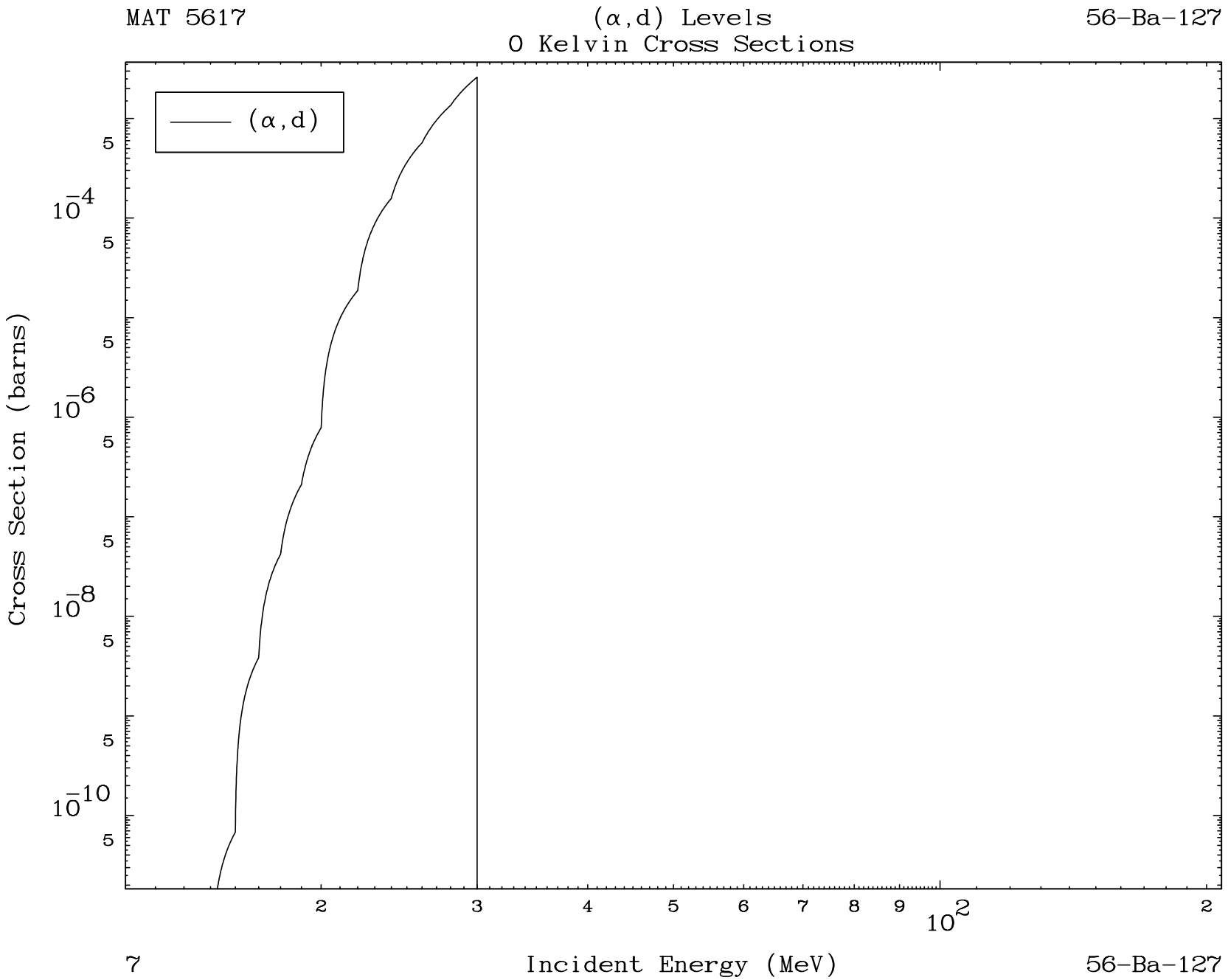

MAT 5617
α Neutron Production
0 Kelvin Cross Sections
56-Ba-127
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
56-Ba-127

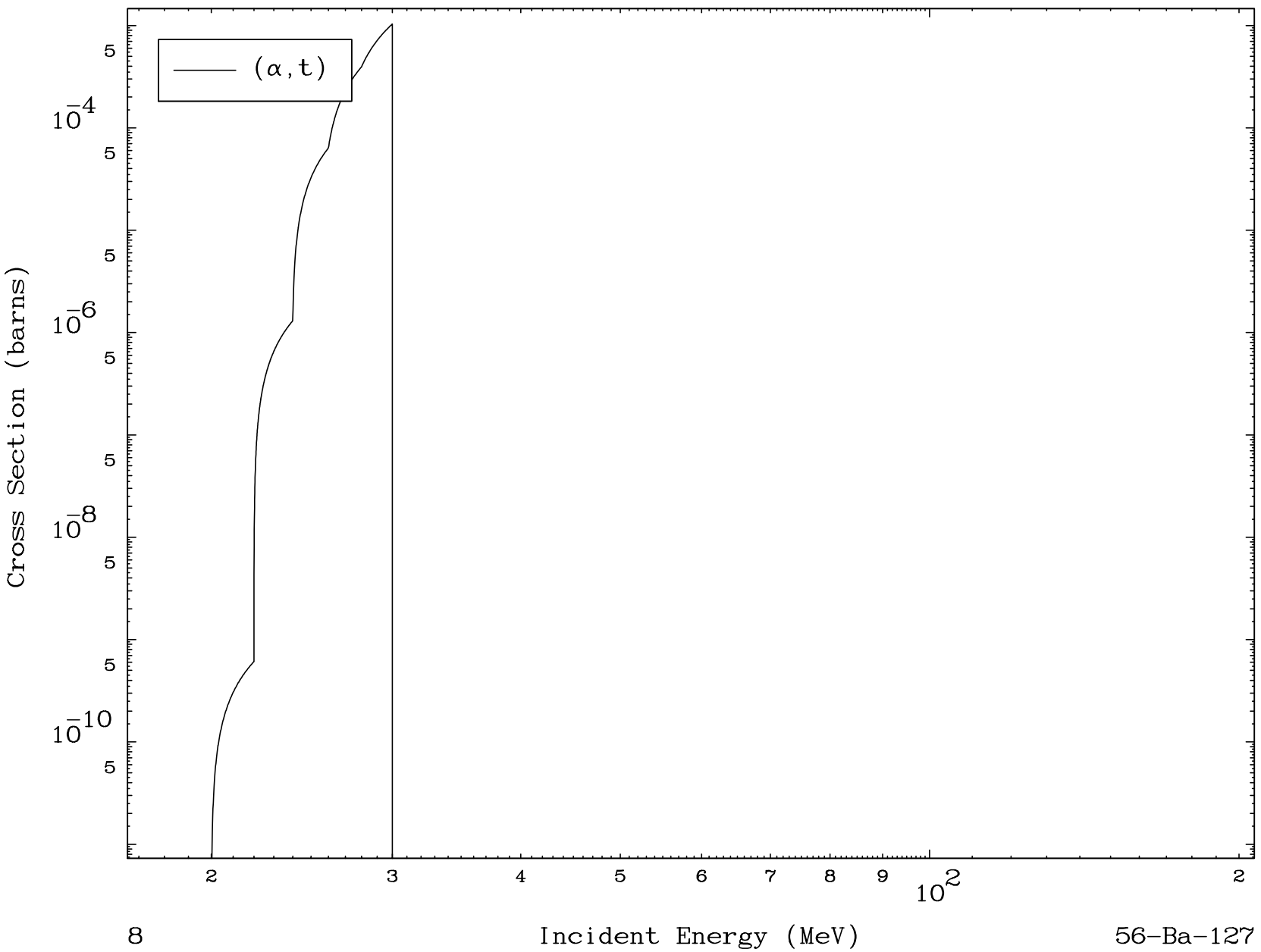

MAT 5617
α Charged Particle
0 Kelvin Cross Sections
56-Ba-127
Cross Section (barns)
Incident Energy (MeV)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,n') d
(α,2n) p
(α,p)
(α,d)
3
56-Ba-127

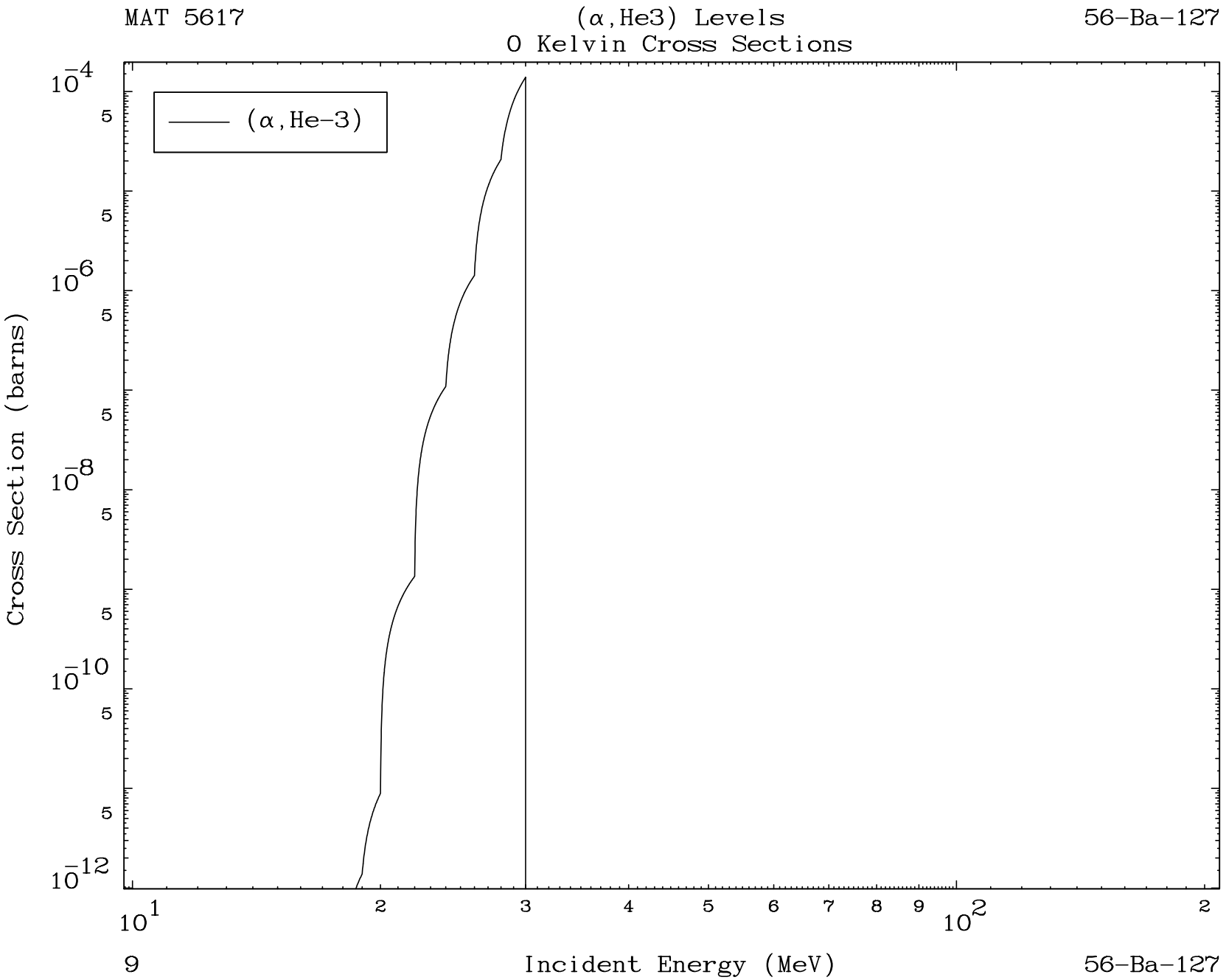

MAT 5617
α Charged Particle
0 Kelvin Cross Sections
56-Ba-127
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
(α,p) t
Cross Section (barns)
Incident Energy (MeV)
4
56-Ba-127

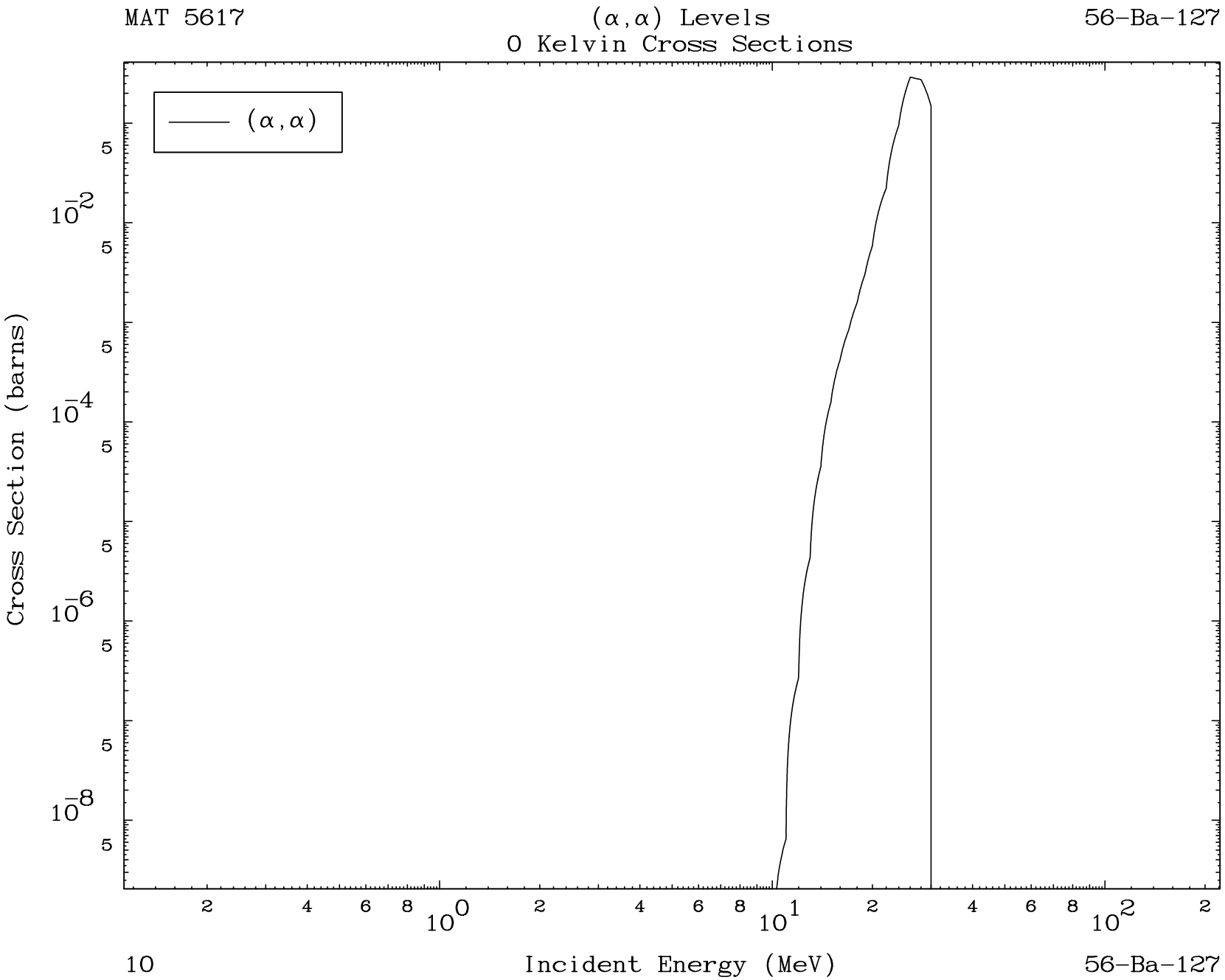

MAT 5617
(α,n') Level
56-Ba-127
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
56-Ba-127

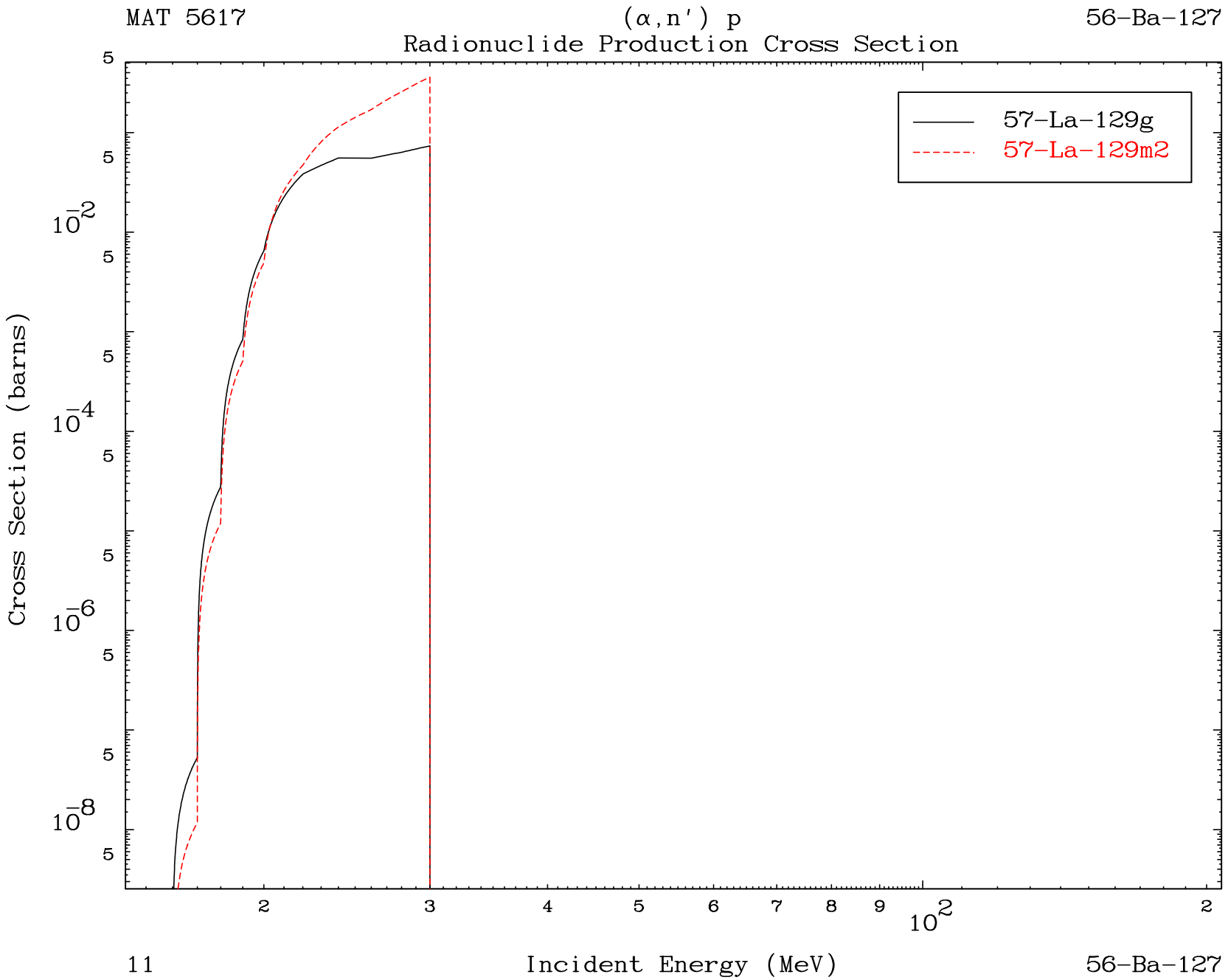

MAT 5617
(α,p) Levels
56-Ba-127
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
6
56-Ba-127

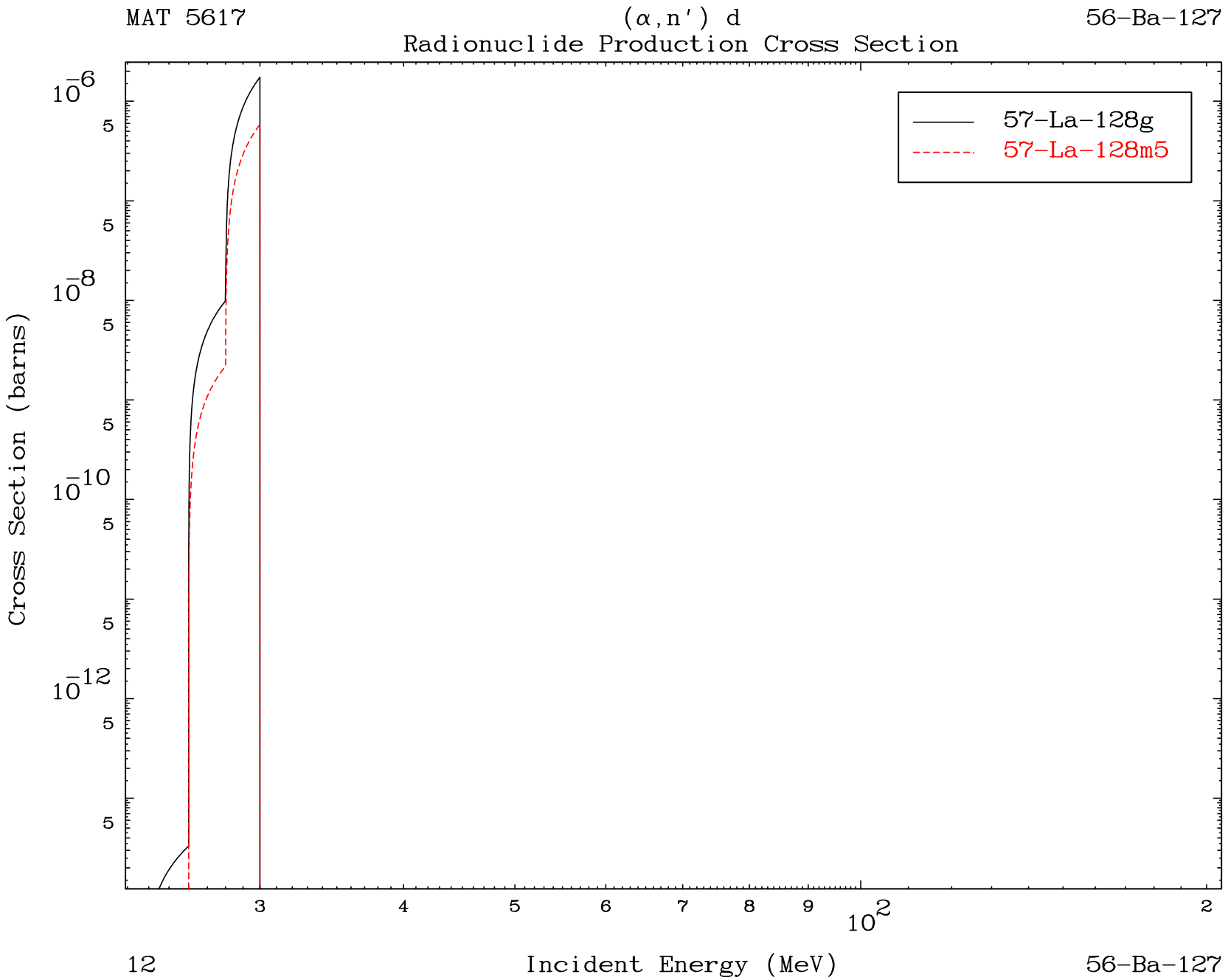

MAT 5617
(α,d) Levels
56-Ba-127
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
56-Ba-127

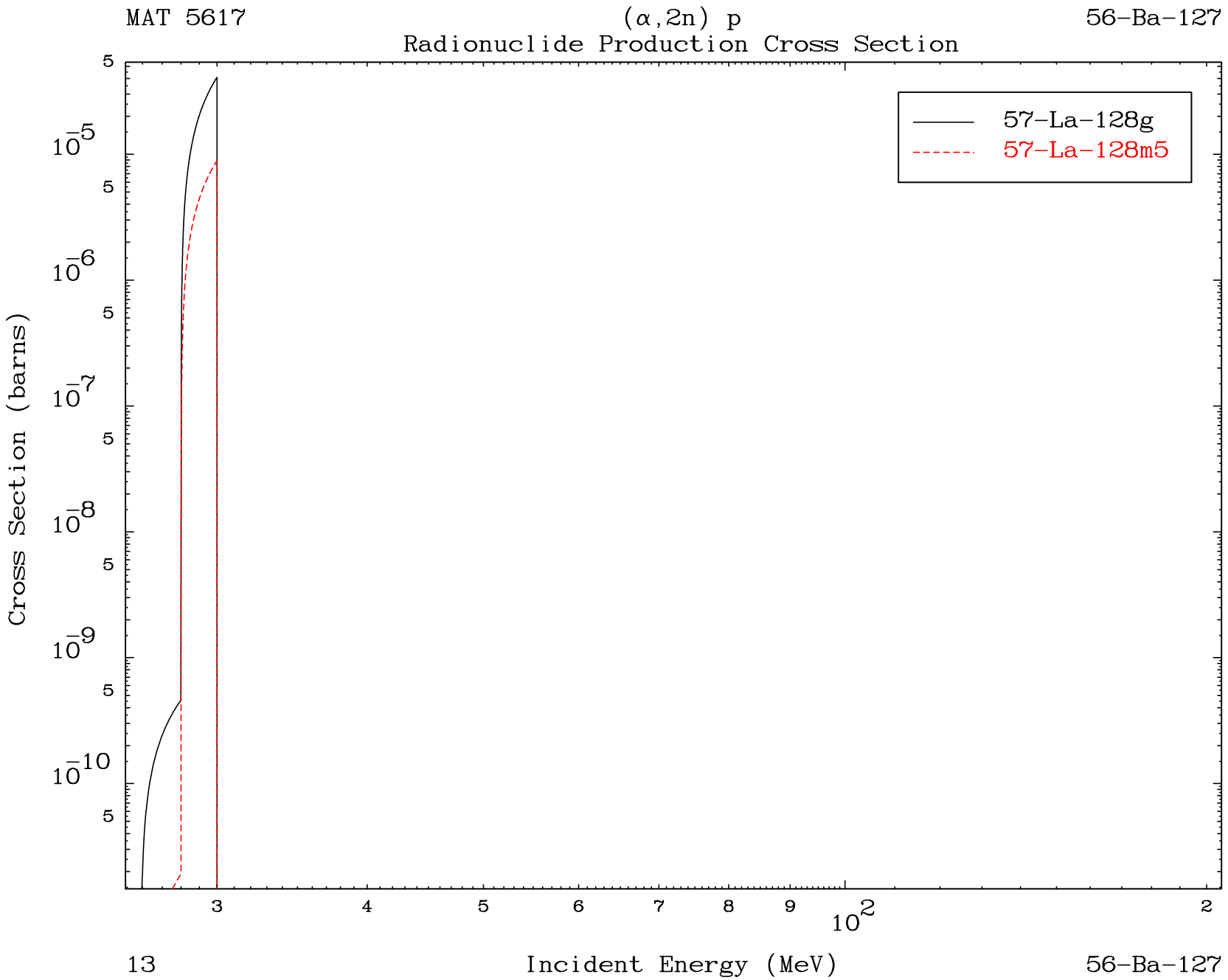

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

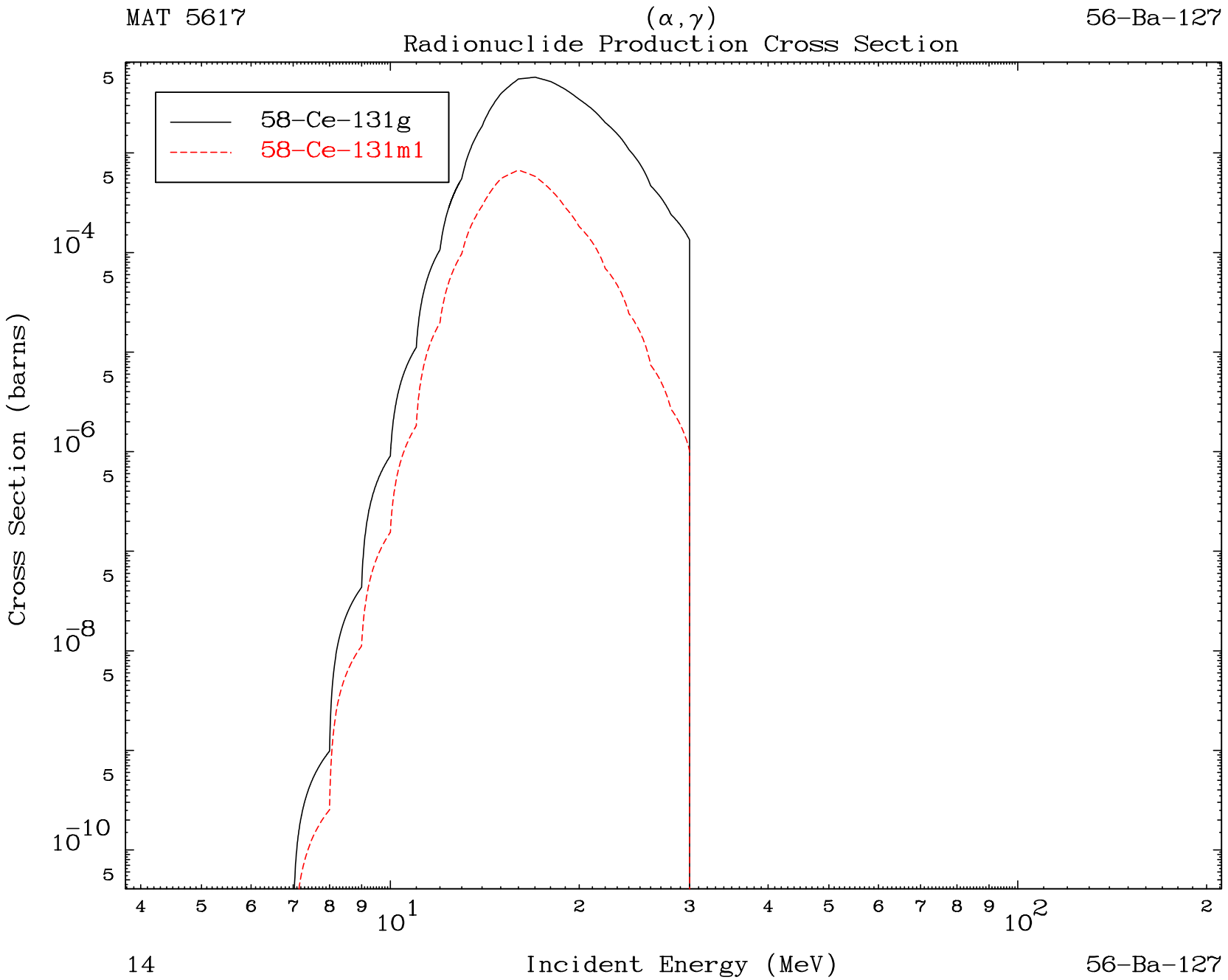

MAT 5617
(α,He3) Levels
56-Ba-127
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-127

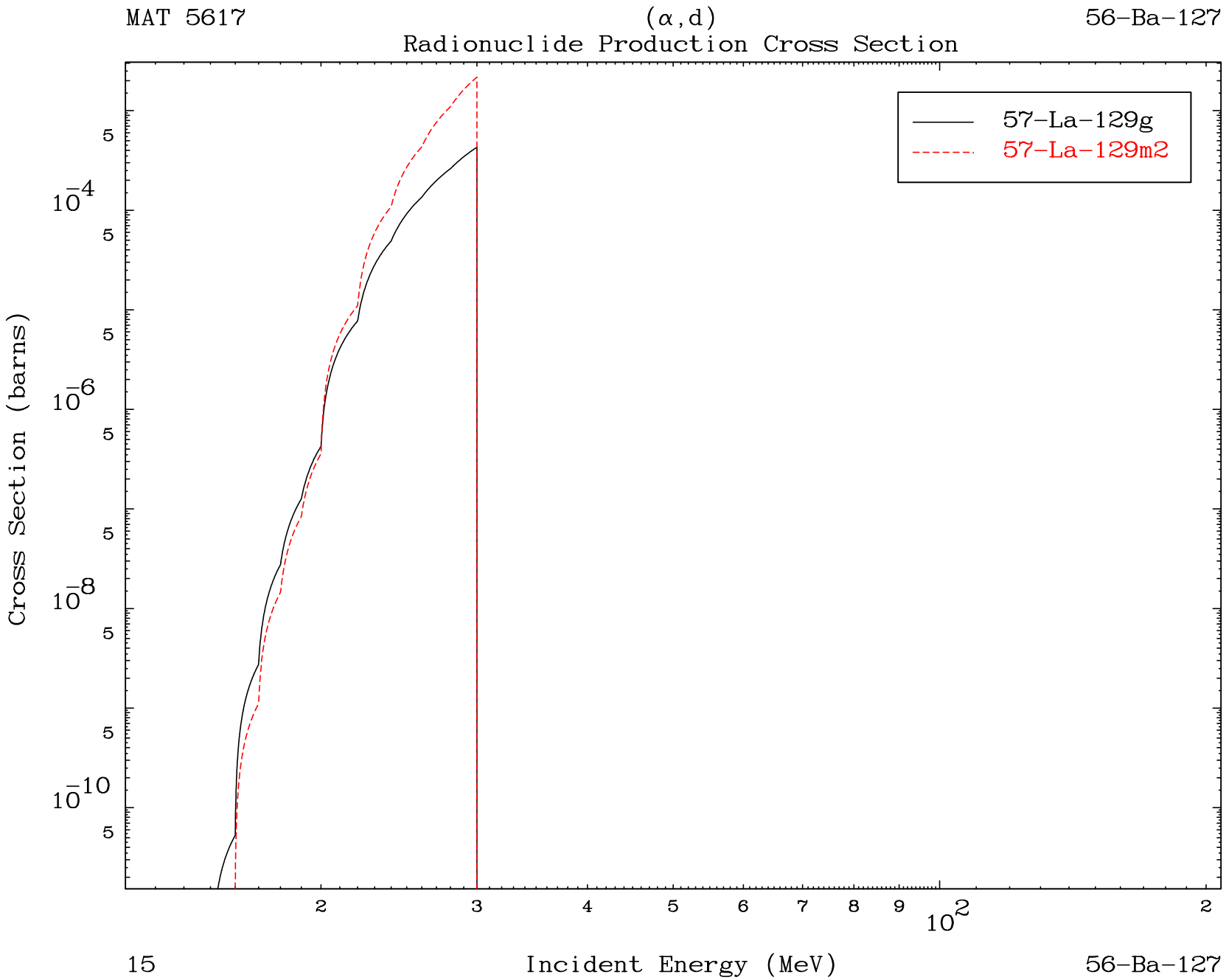

MAT 5617
(α,α) Levels
56-Ba-127
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
56-Ba-127

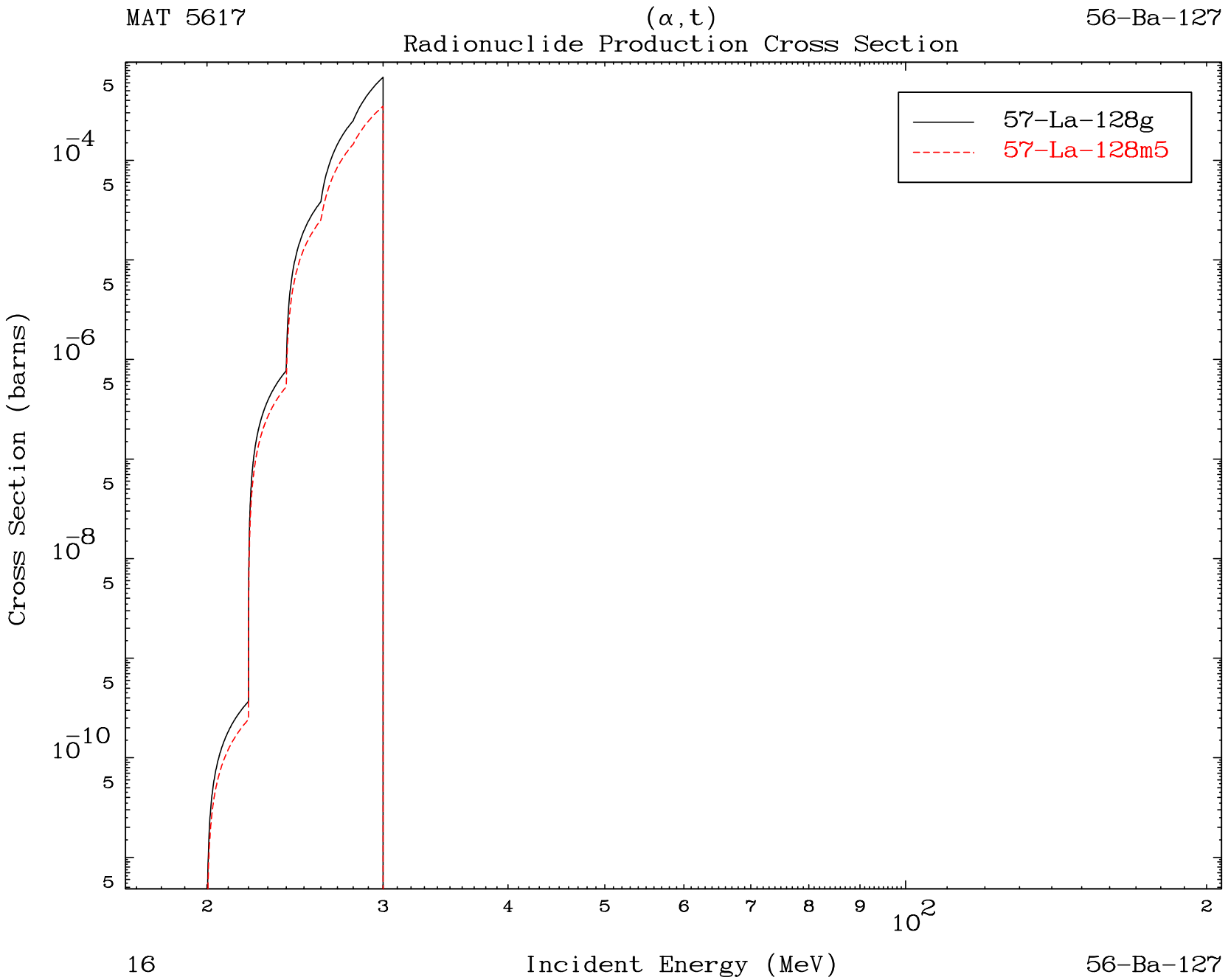

MAT 5617
(α,n') p
56-Ba-127
Radionuclide Production Cross Section
57-La-129g
57-La-129m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
56-Ba-127

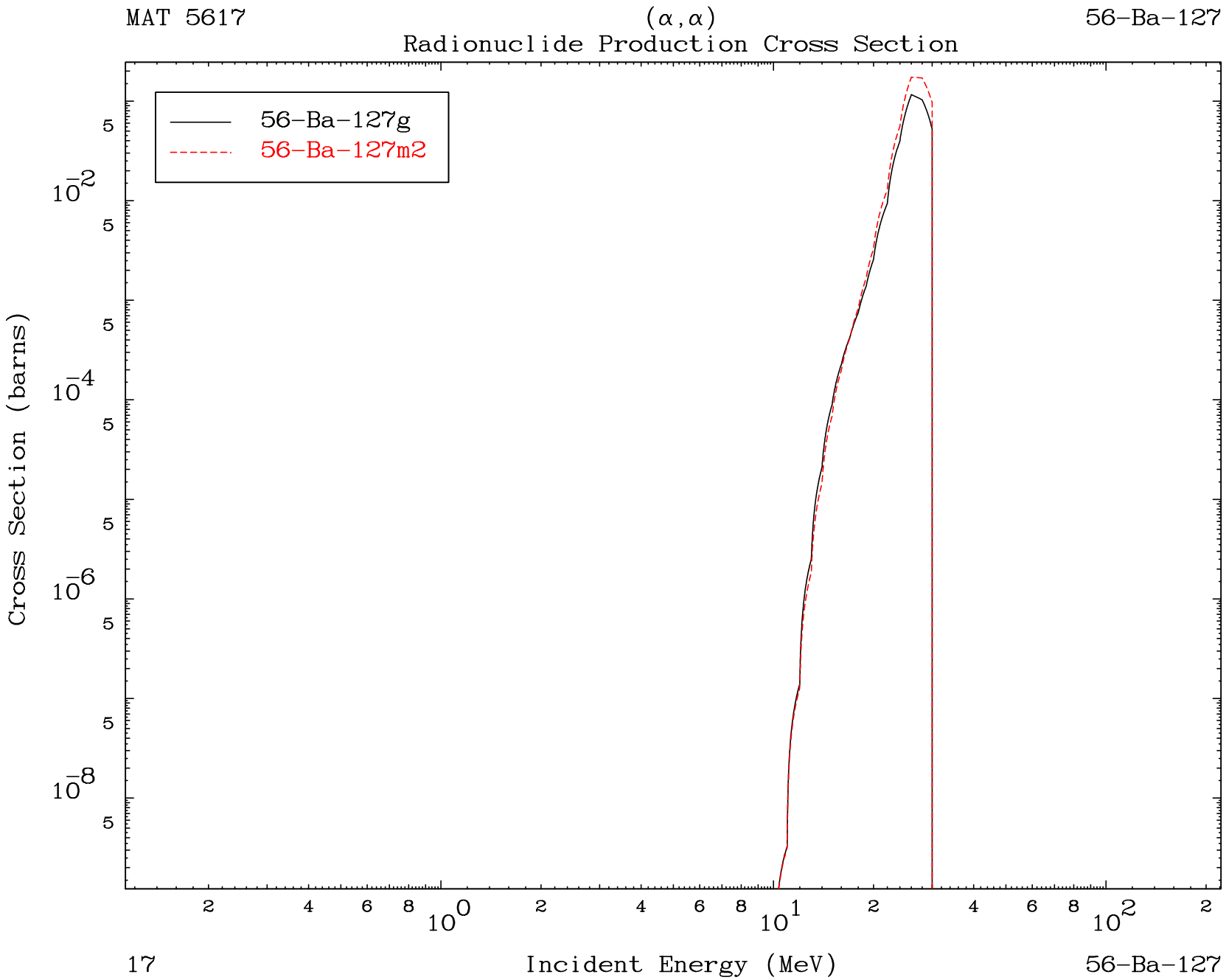

MAT 5617
(α,n') d
56-Ba-127
Radionuclide Production Cross Section
57-La-128g
57-La-128m5
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
56-Ba-127

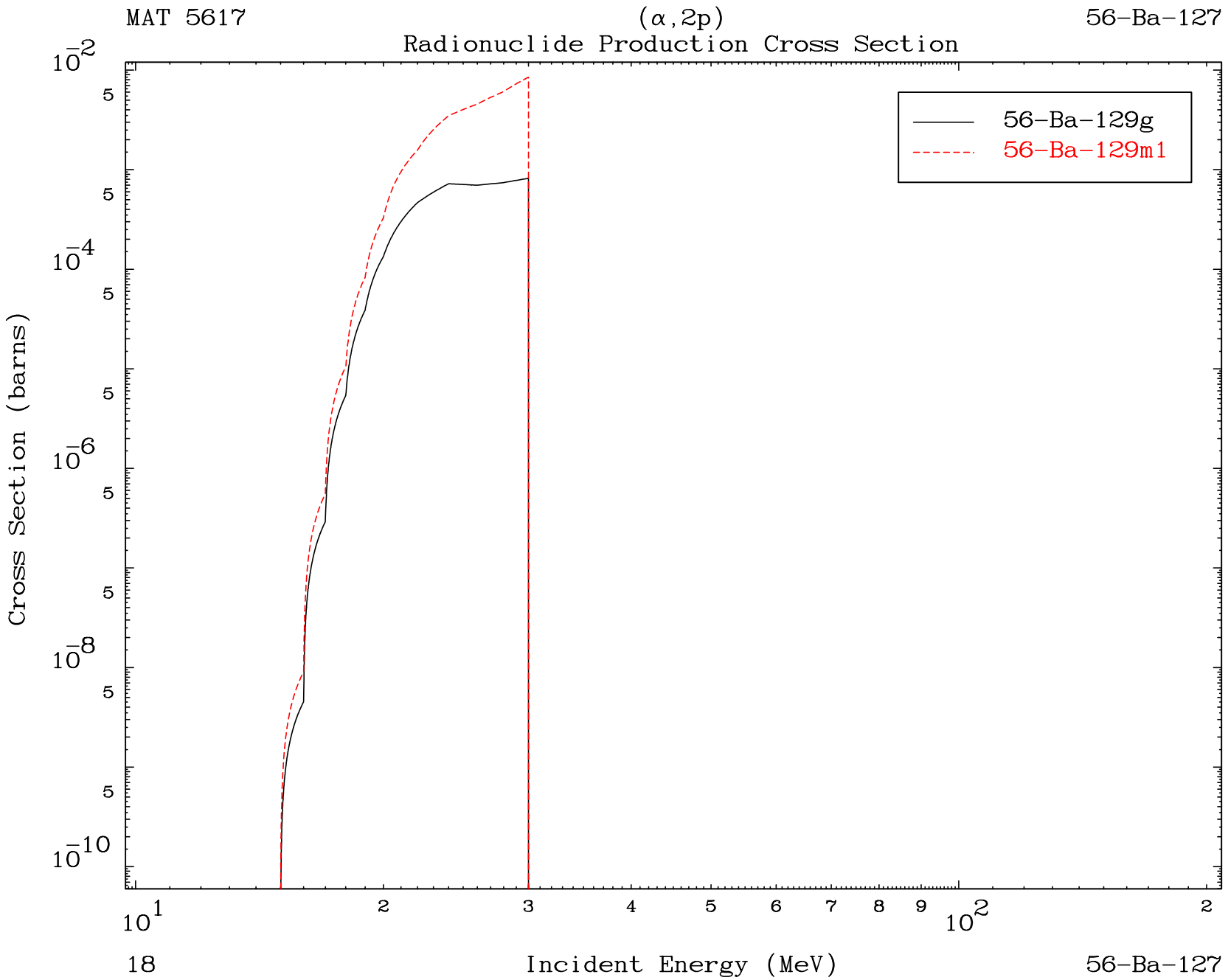

MAT 5617
(α,2n) p
56-Ba-127
Radionuclide Production Cross Section
57-La-128g
57-La-128m5
Cross Section (barns)
Incident Energy (MeV)
13
56-Ba-127

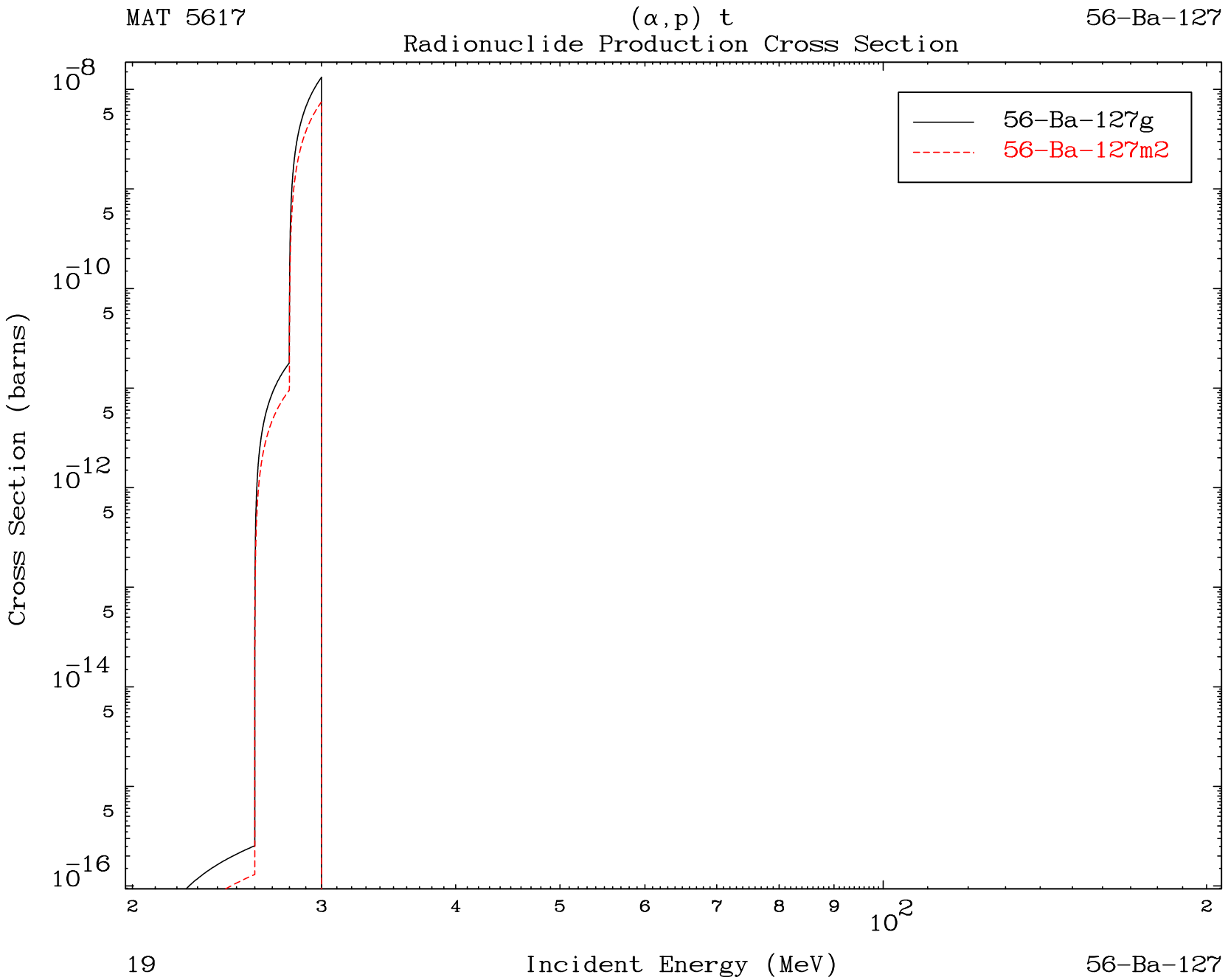

MAT 5617
(α,γ)
56-Ba-127
Radionuclide Production Cross Section
58-Ce-131g
58-Ce-131m1
Cross Section (barns)
Incident Energy (MeV)
14
56-Ba-127


MAT 5617
(α,d)
56-Ba-127
Radionuclide Production Cross Section
57-La-129g
57-La-129m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
15
56-Ba-127


MAT 5617
(α,t)
56-Ba-127
Radionuclide Production Cross Section
57-La-128g
57-La-128m5
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
16
56-Ba-127


MAT 5617
(α,α)
56-Ba-127
Radionuclide Production Cross Section
56-Ba-127g
56-Ba-127m2
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
17
56-Ba-127


MAT 5617
(α,2p)
56-Ba-127
Radionuclide Production Cross Section
56-Ba-129g
56-Ba-129m1
Cross Section (barns)
Incident Energy (MeV)
18
56-Ba-127


MAT 5617
(α,p) t
56-Ba-127
Radionuclide Production Cross Section
56-Ba-127g
56-Ba-127m2
Cross Section (barns)
Incident Energy (MeV)
19
56-Ba-127