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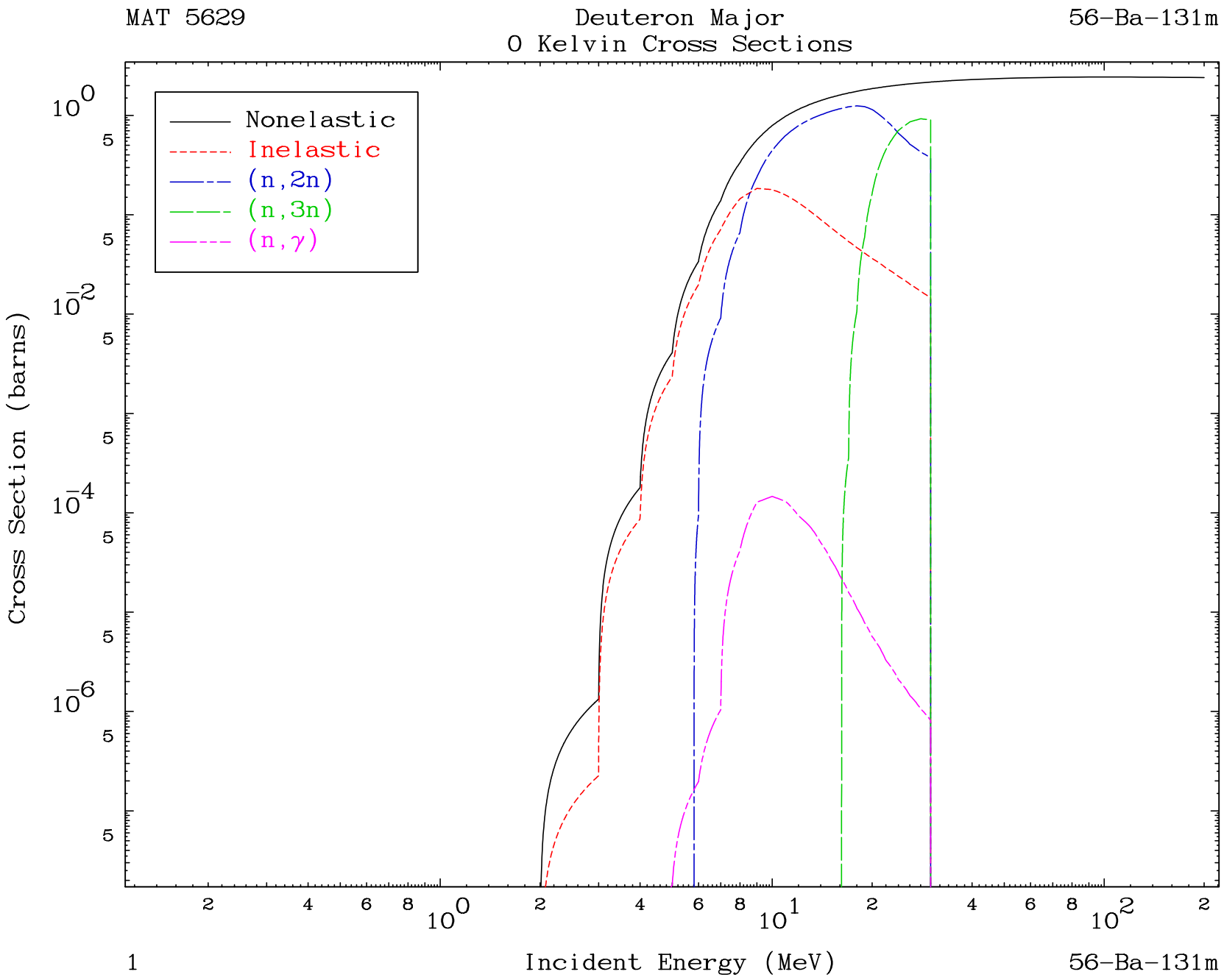
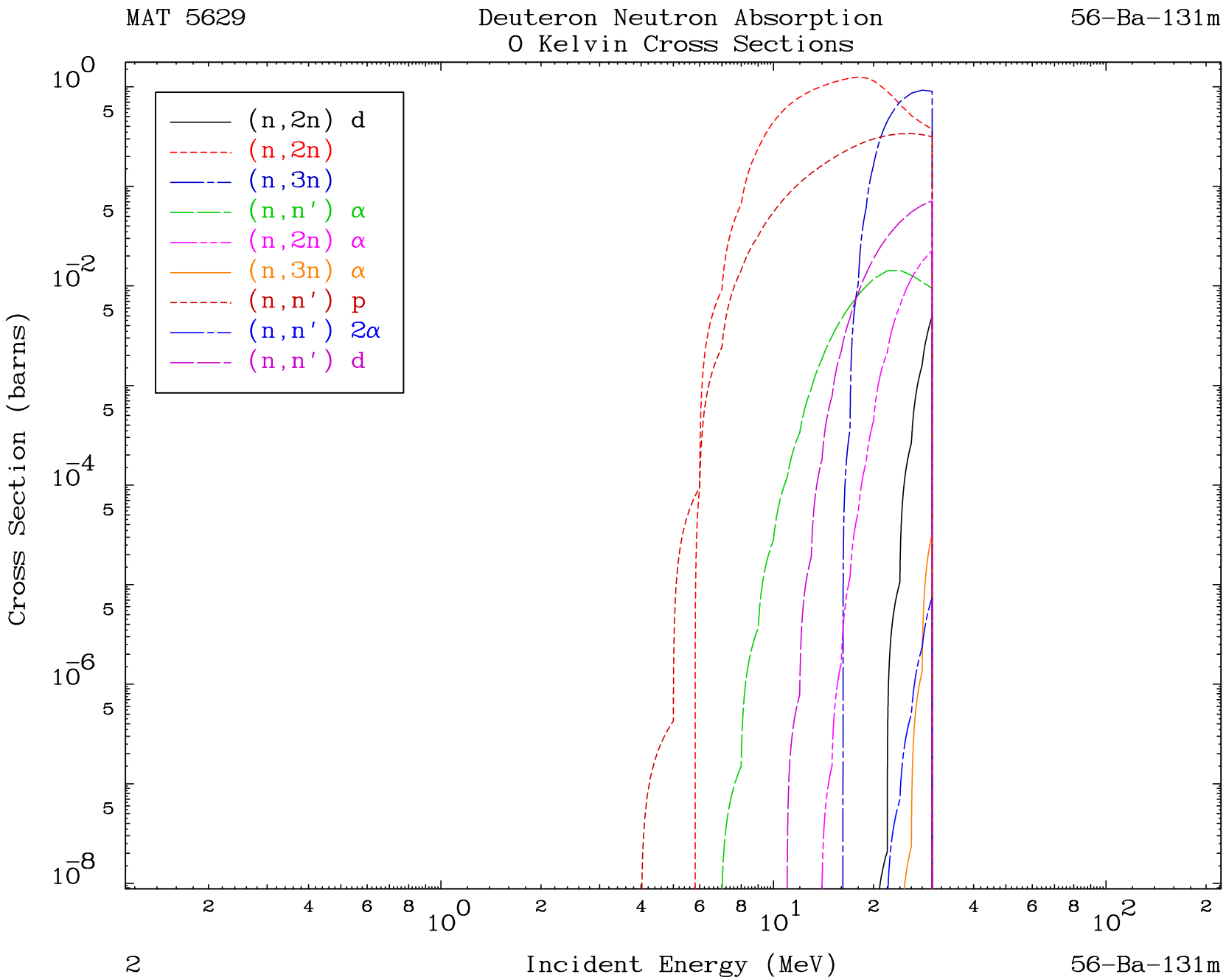
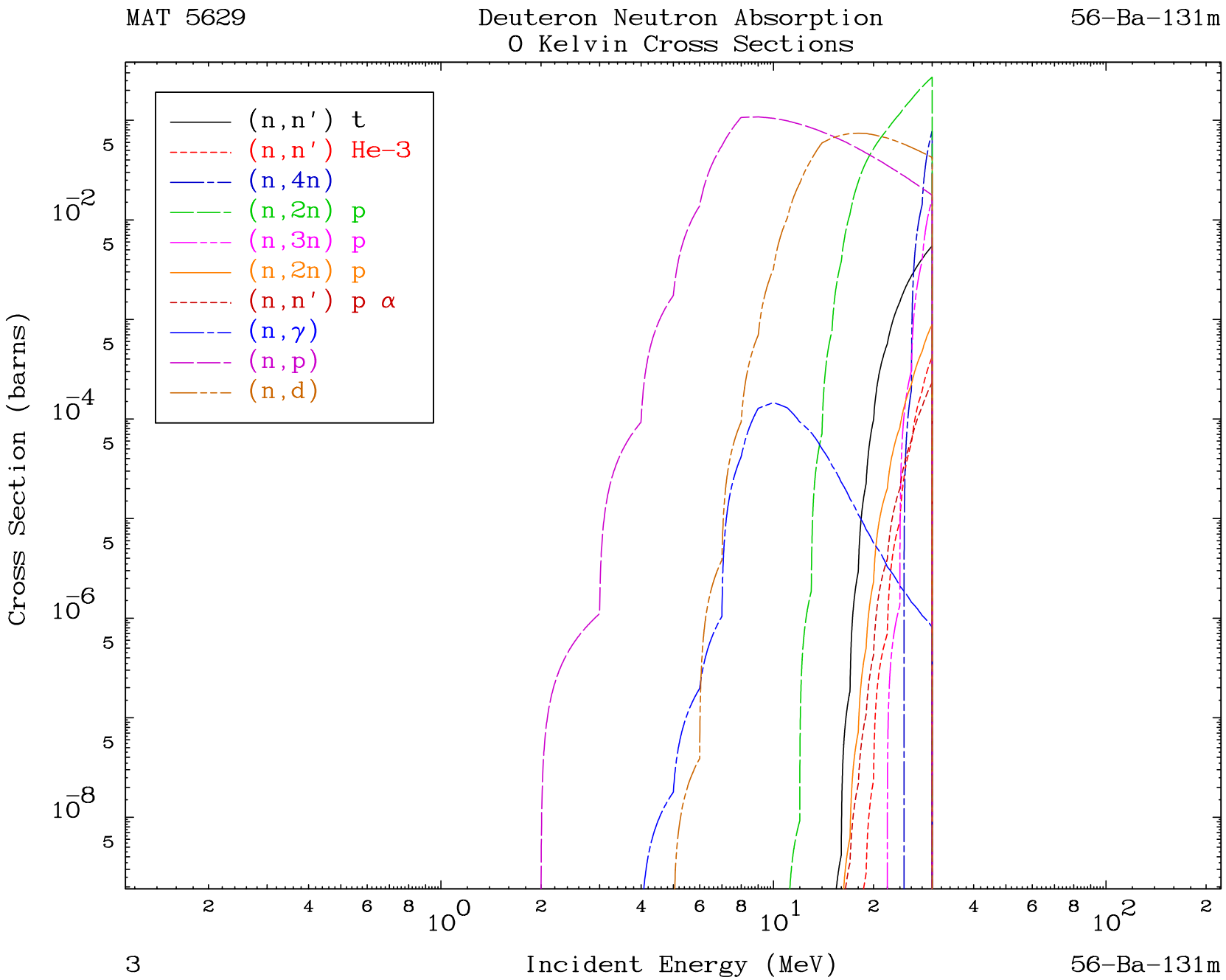
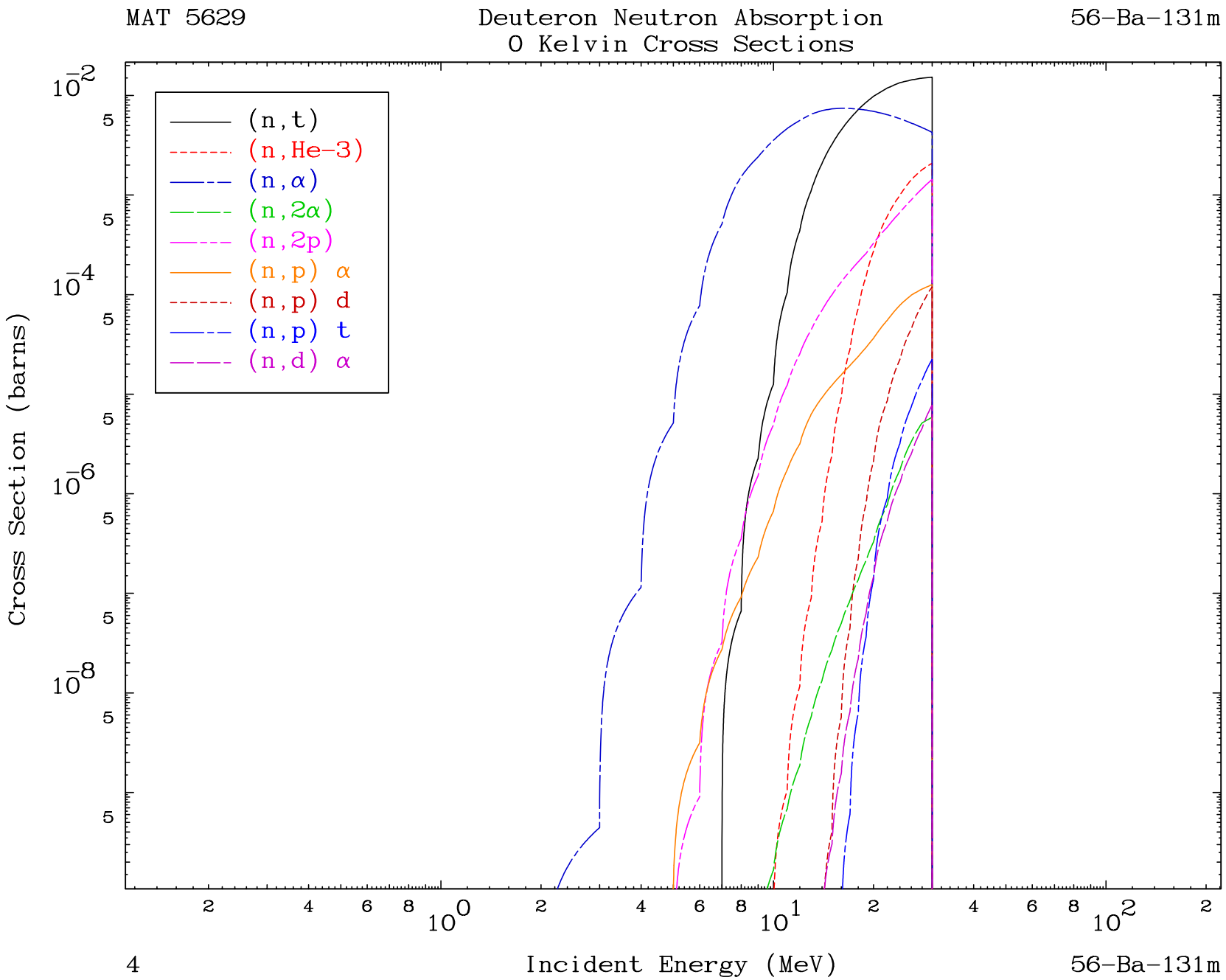
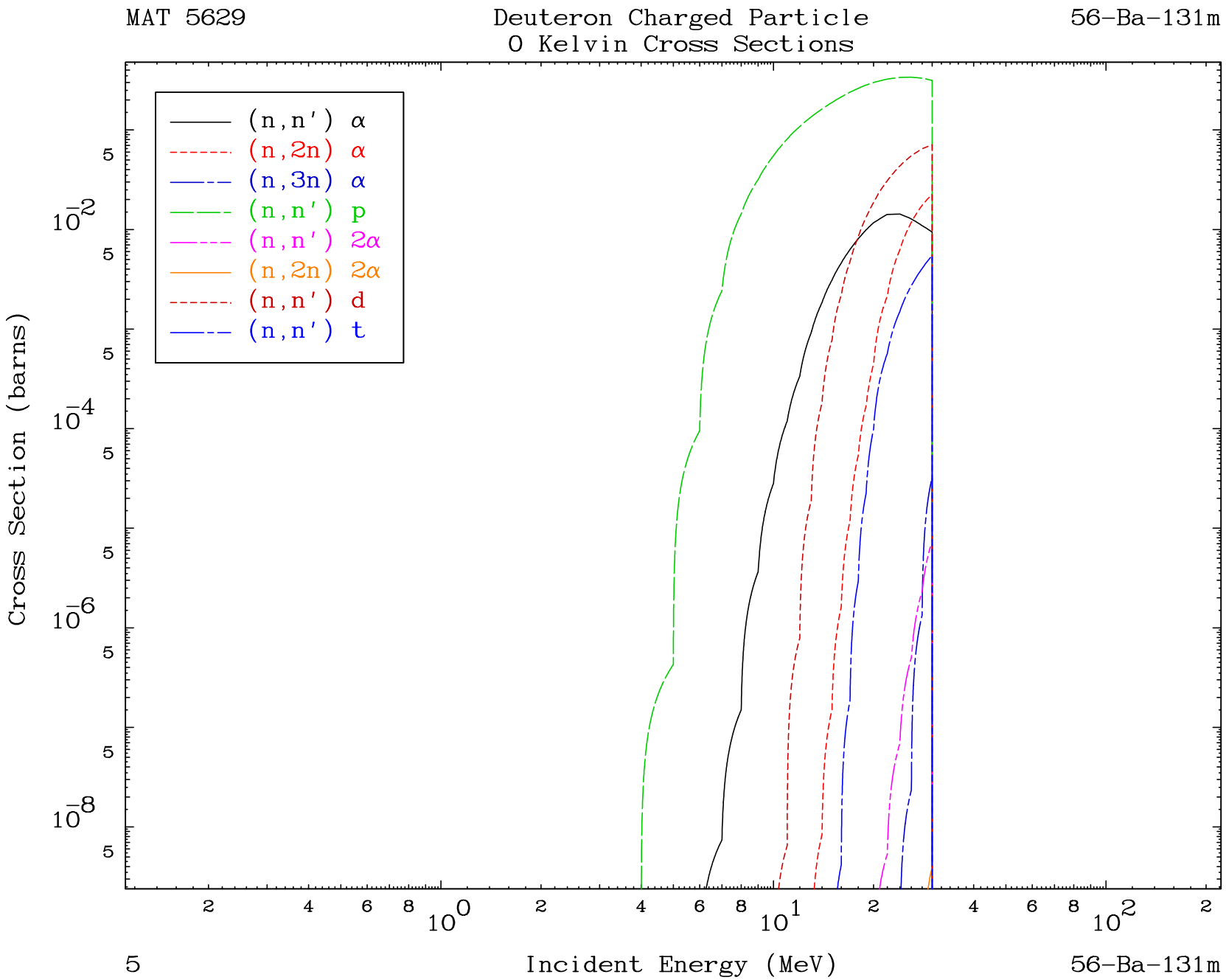
Press Mouse Button to Start

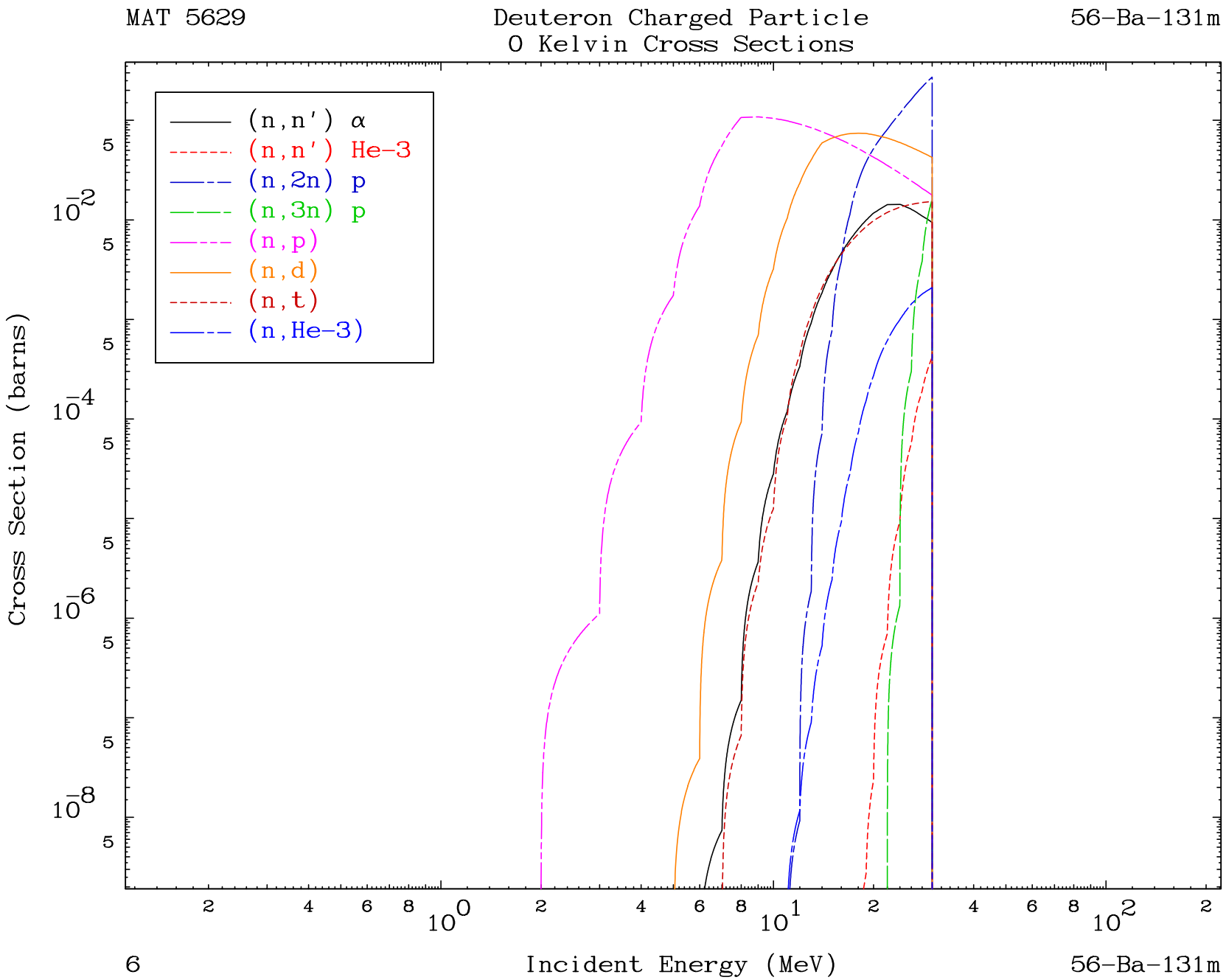

MAT 5629
Deuteron Major
0 Kelvin Cross Sections
56-Ba-131m
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
56-Ba-131m

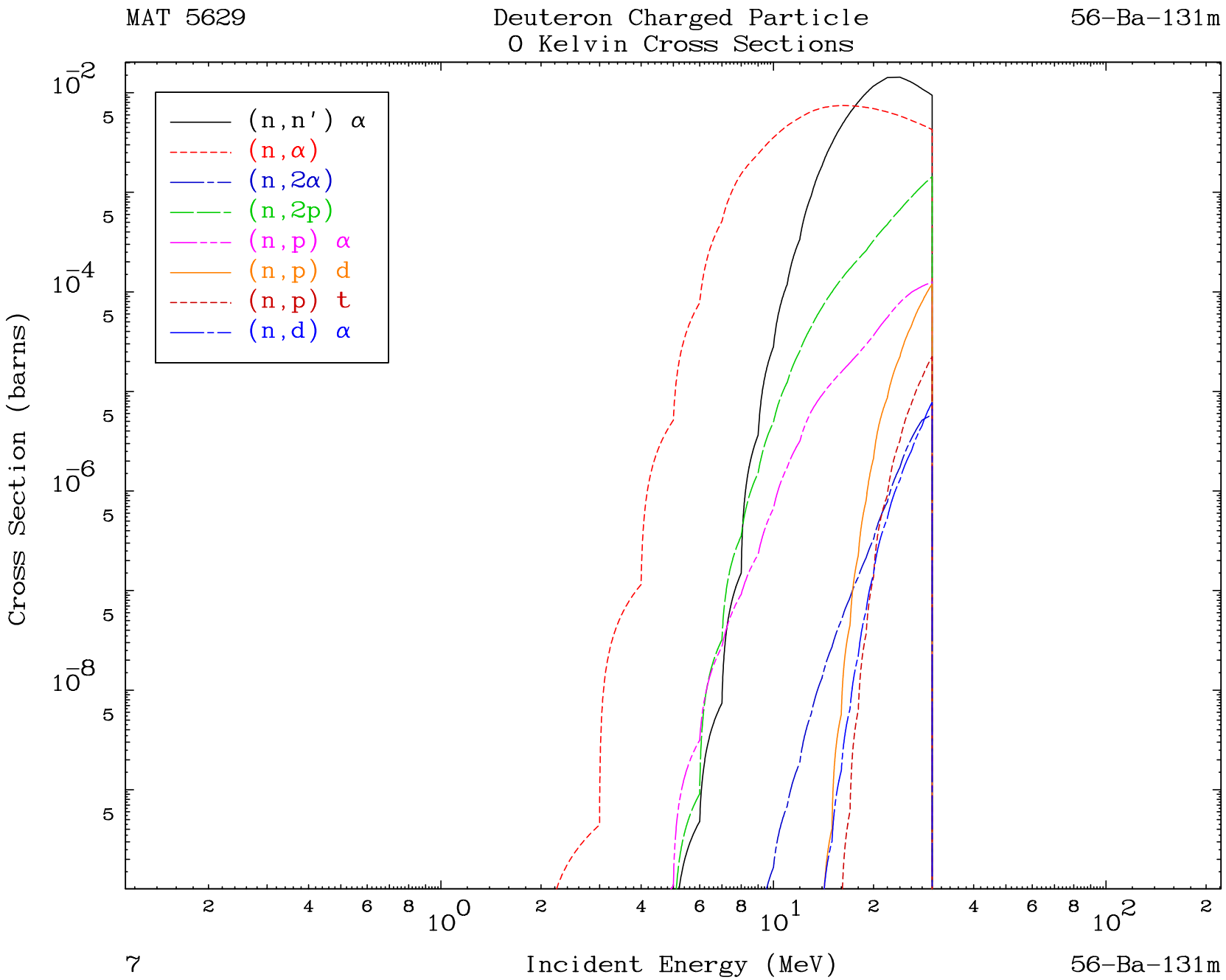

MAT 5629
Deuteron Neutron Absorption
0 Kelvin Cross Sections
56-Ba-131m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
56-Ba-131m

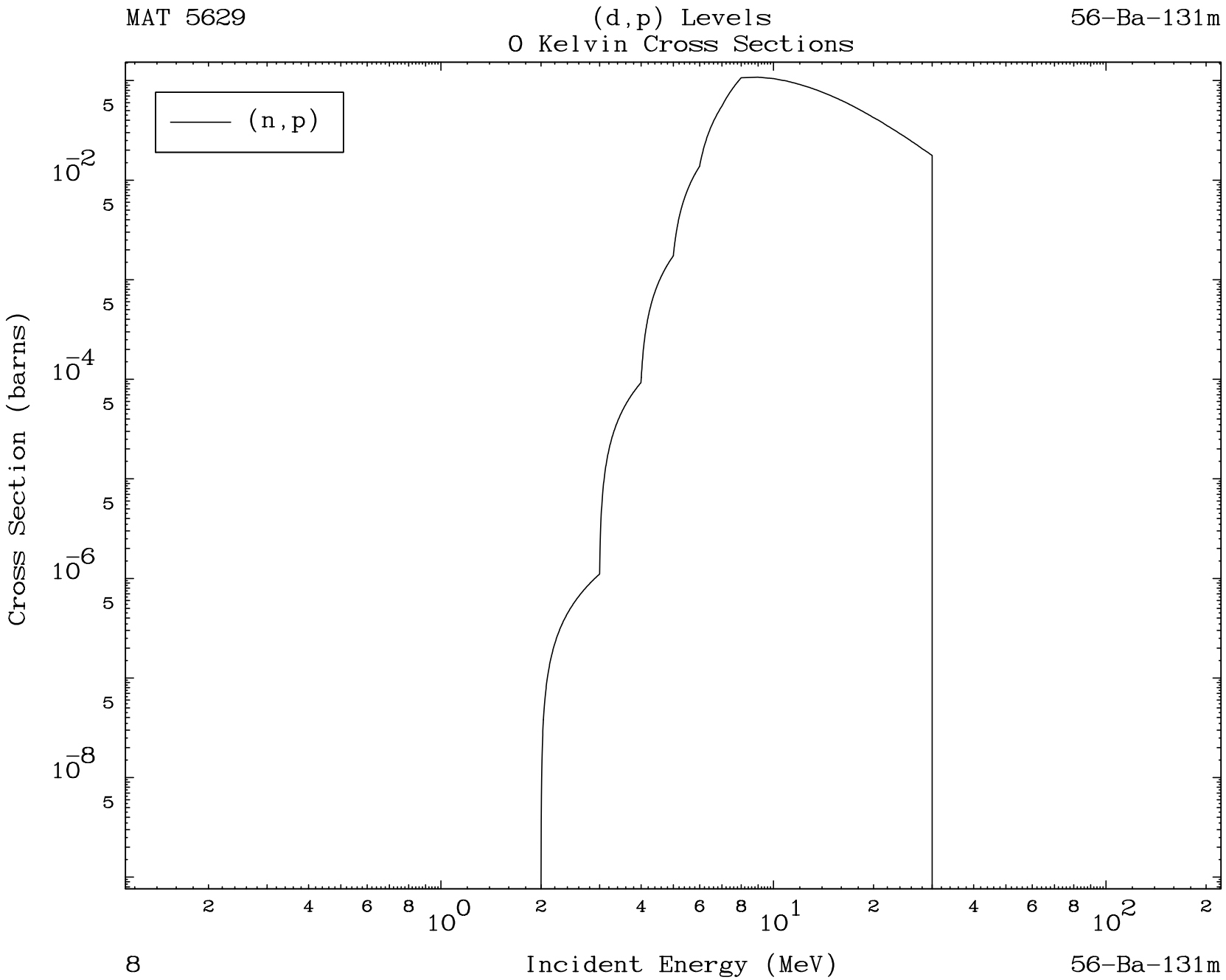

MAT 5629
Deuteron Neutron Absorption
0 Kelvin Cross Sections
56-Ba-131m
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
56-Ba-131m

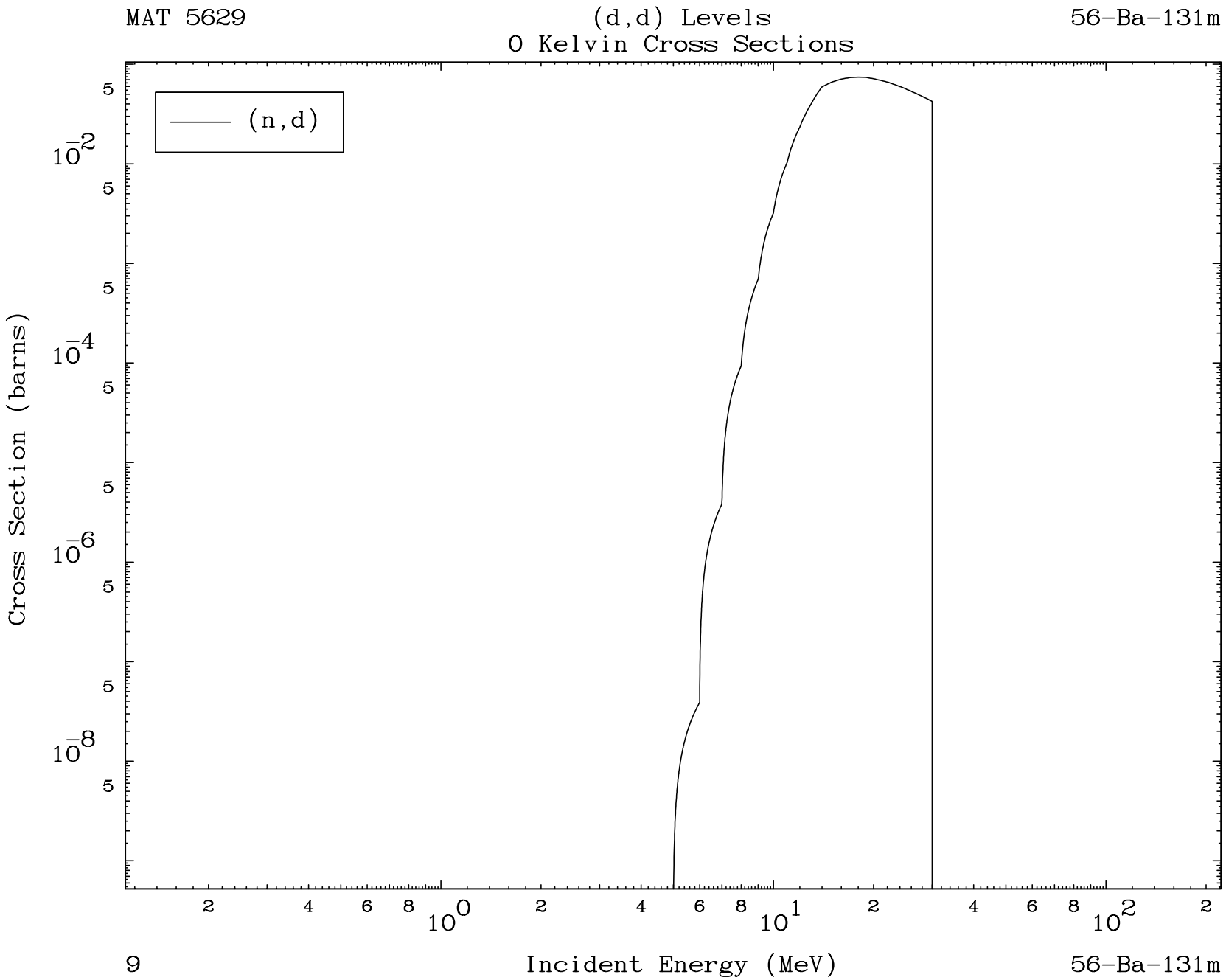

MAT 5629
Deuteron Neutron Absorption
0 Kelvin Cross Sections
56-Ba-131m
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
56-Ba-131m

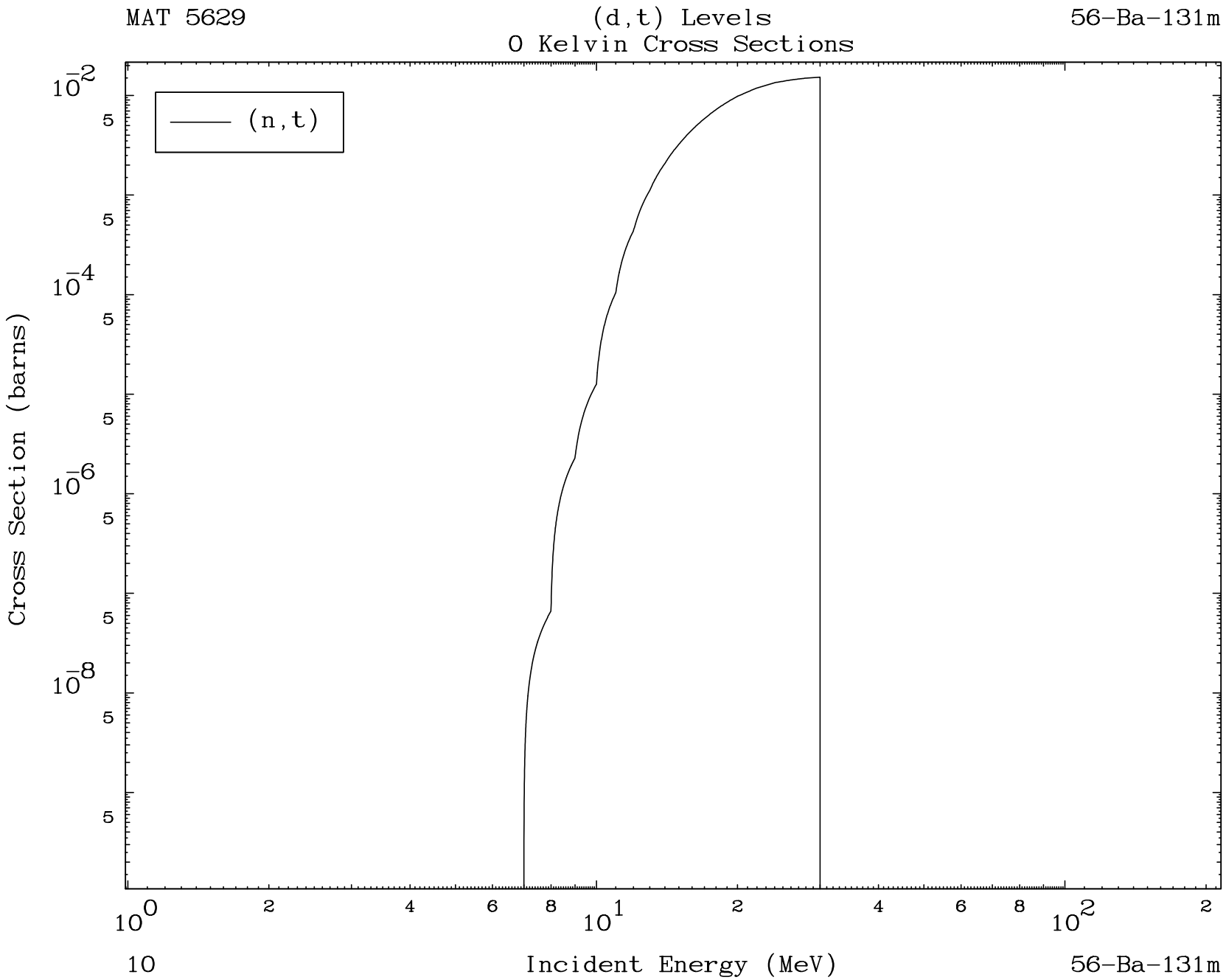

MAT 5629
Deuteron Charged Particle
0 Kelvin Cross Sections
56-Ba-131m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
5
56-Ba-131m

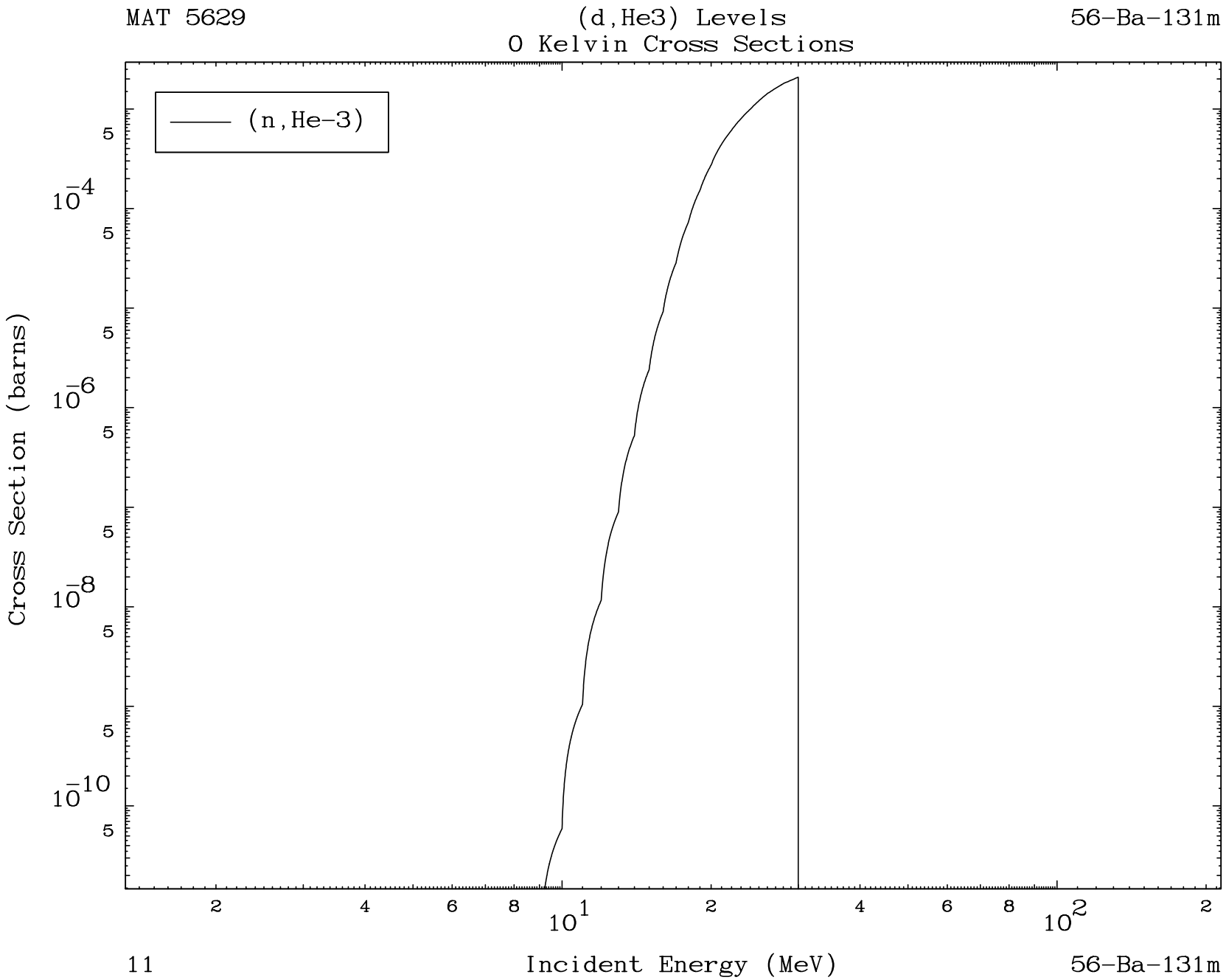

MAT 5629
Deuteron Charged Particle
0 Kelvin Cross Sections
56-Ba-131m
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
56-Ba-131m

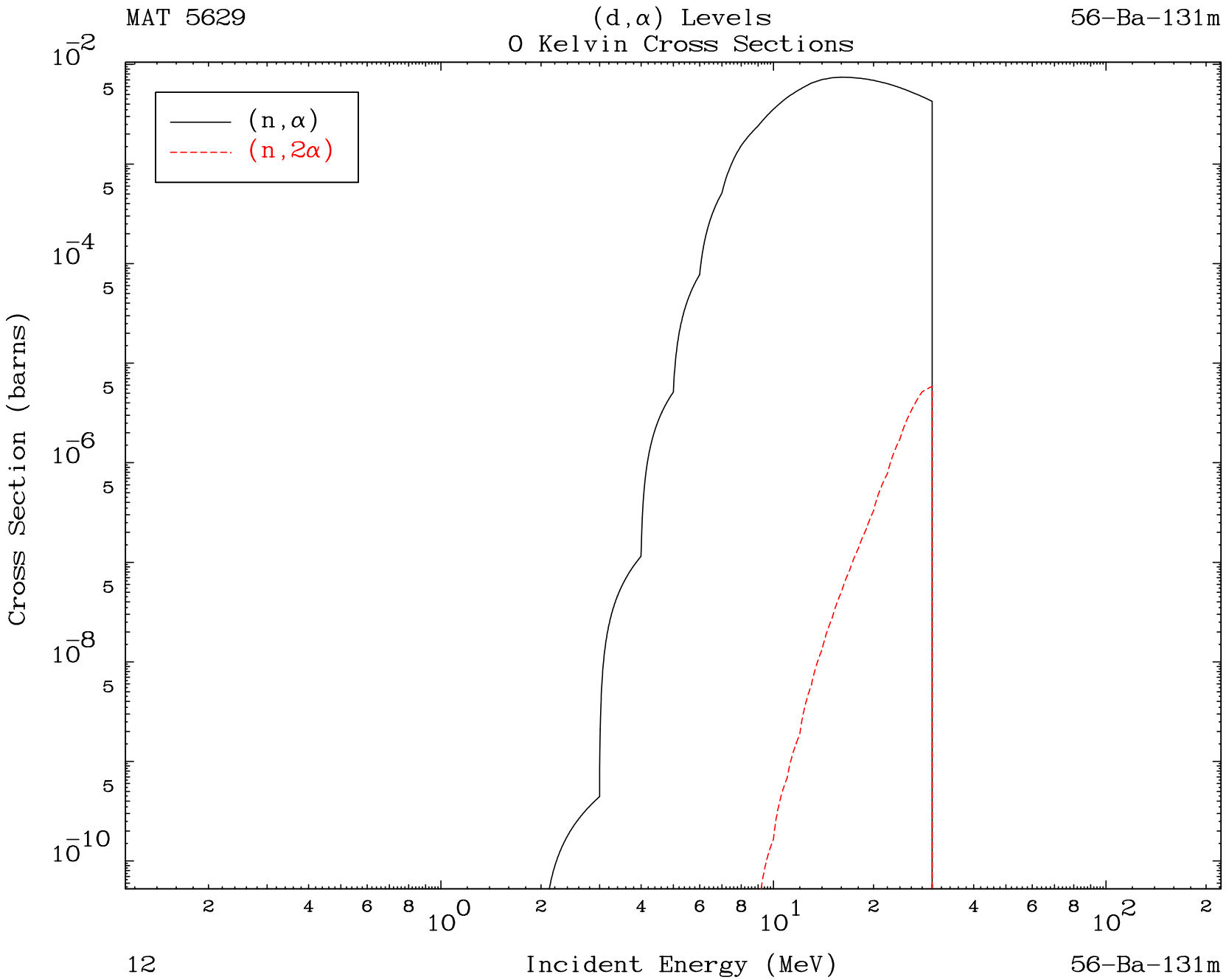

MAT 5629
Deuteron Charged Particle
0 Kelvin Cross Sections
56-Ba-131m
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
56-Ba-131m

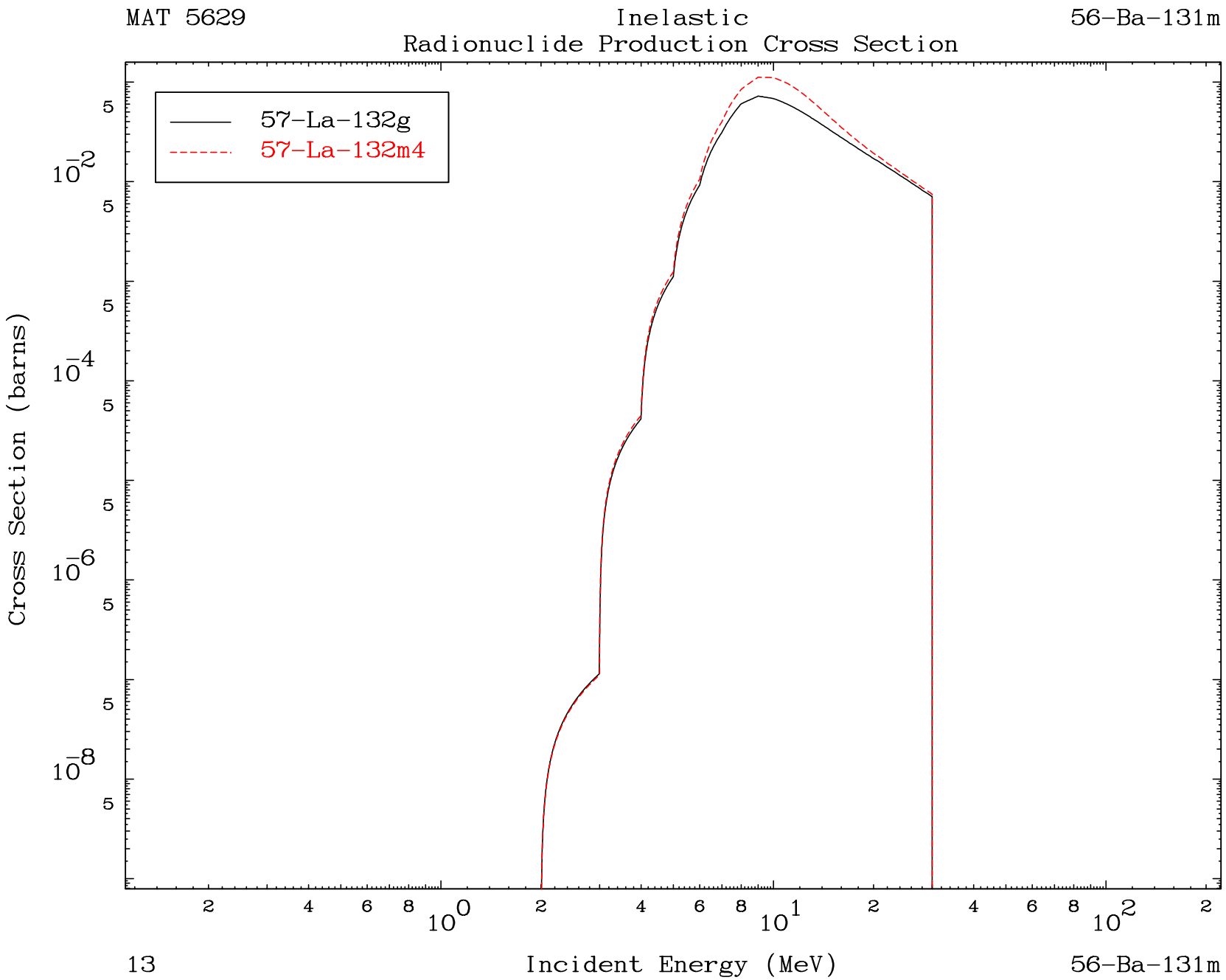

MAT 5629
(d,p) Levels
56-Ba-131m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)
8
56-Ba-131m

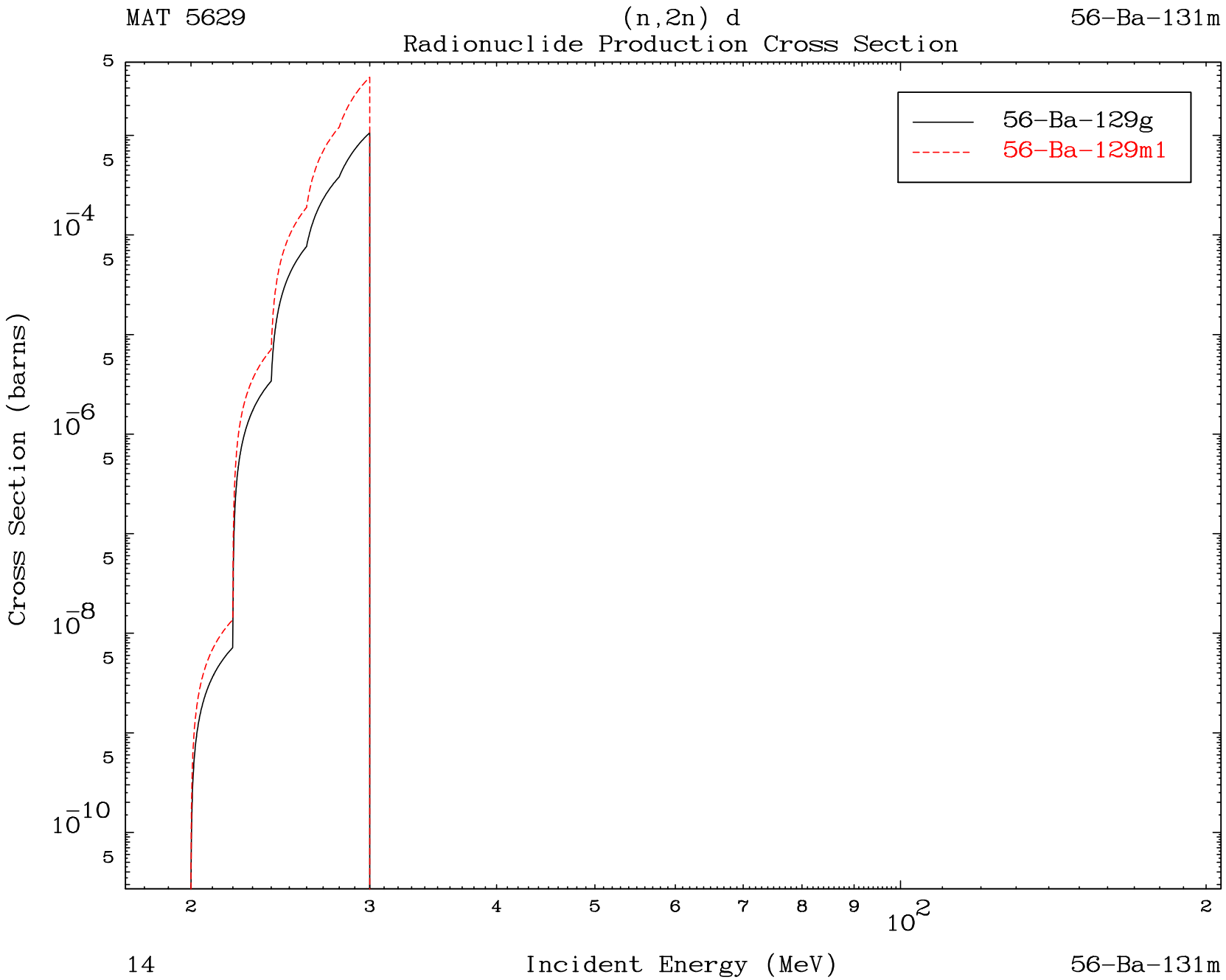

MAT 5629
(d,d) Levels
56-Ba-131m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
56-Ba-131m

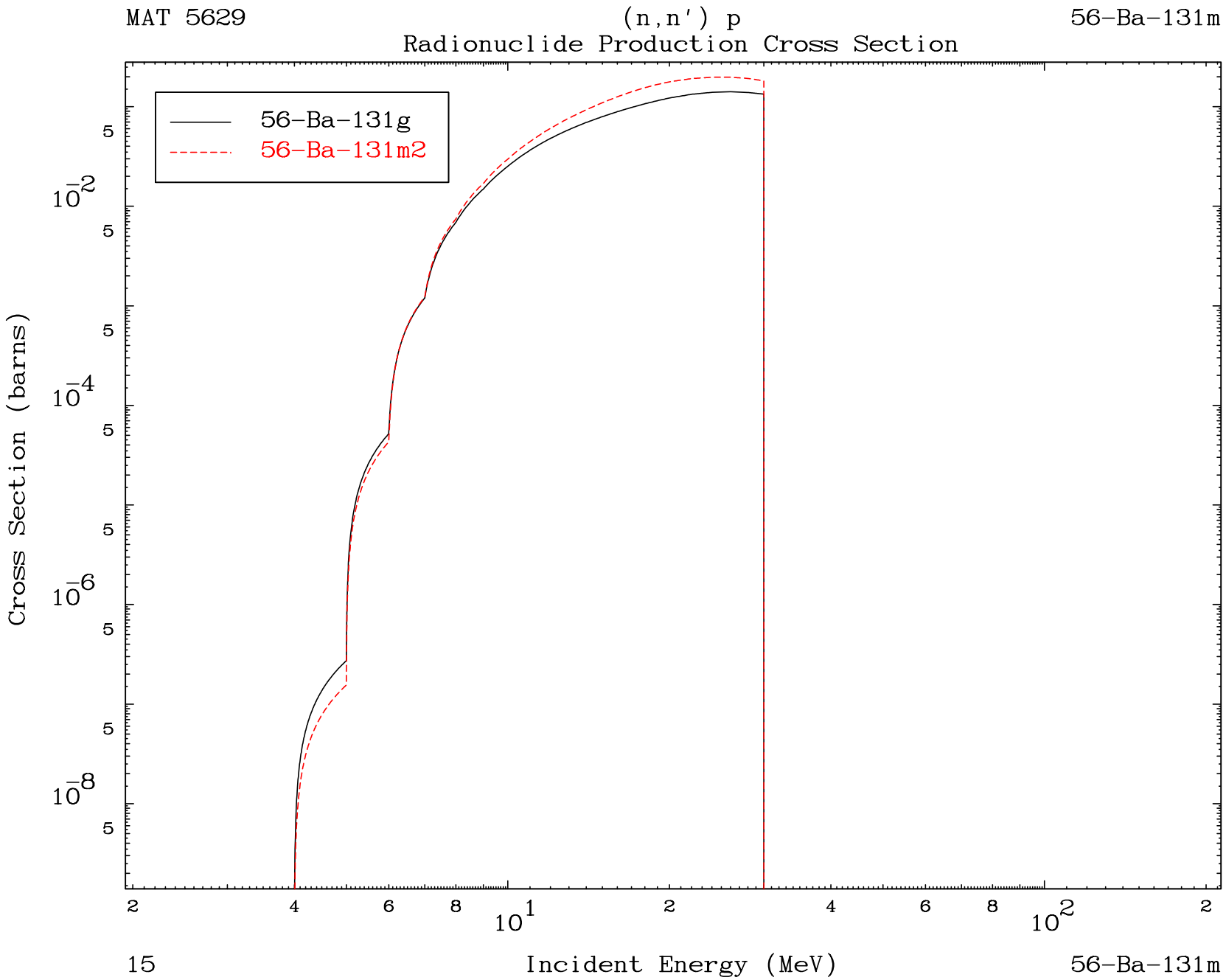

MAT 5629
(d,t) Levels
56-Ba-131m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
56-Ba-131m

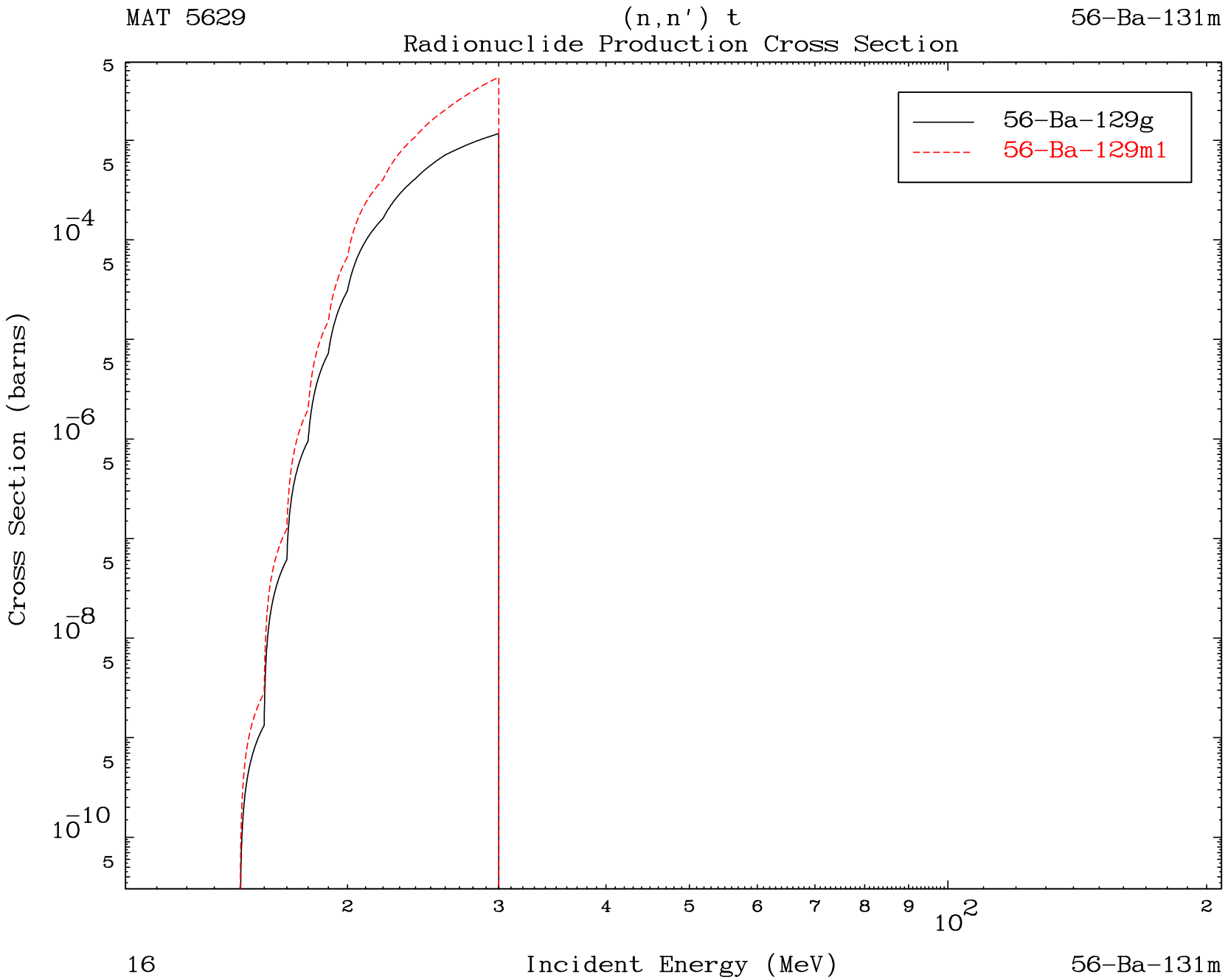

MAT 5629
(d,He3) Levels
56-Ba-131m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
11
56-Ba-131m

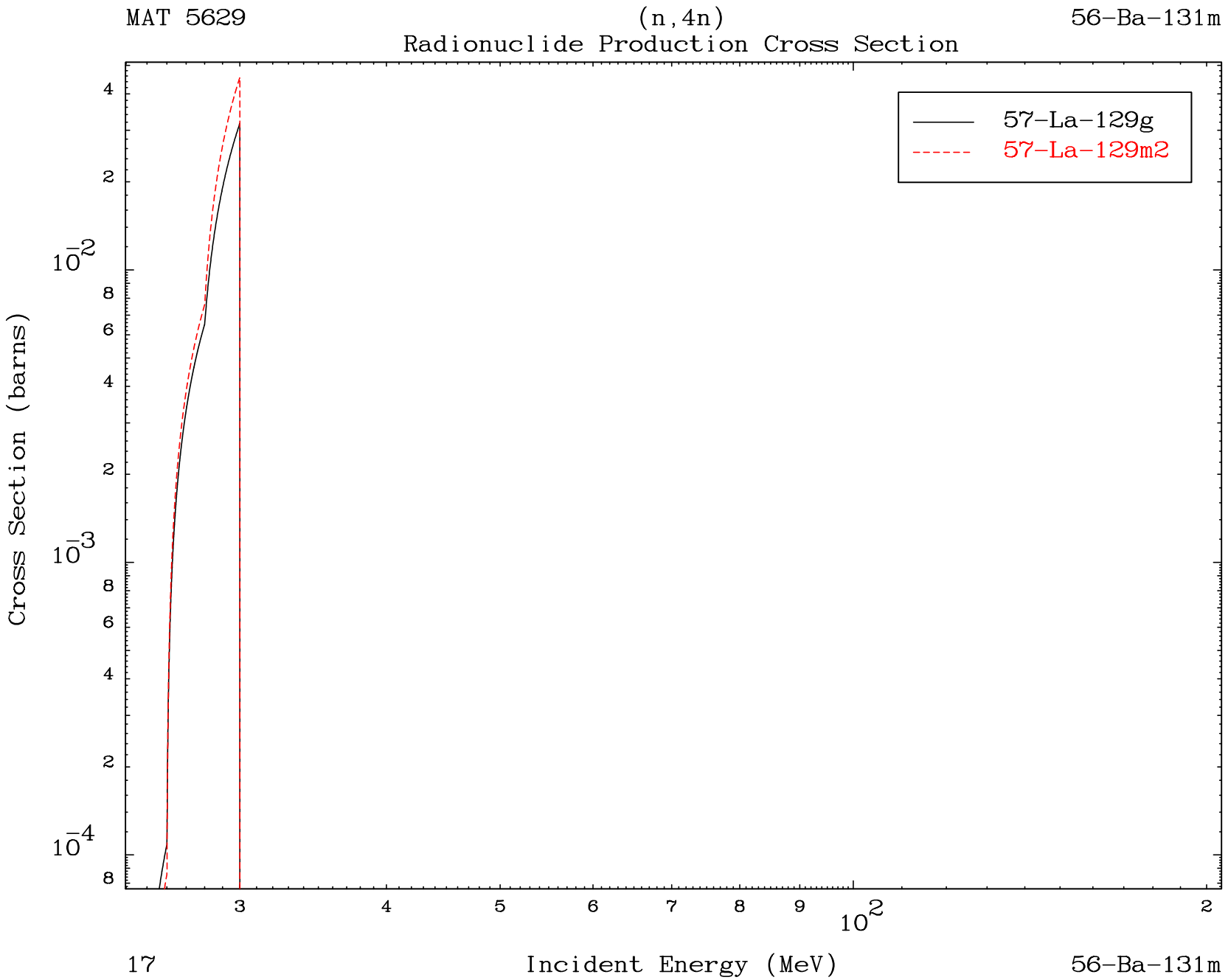

MAT 5629
(d,α) Levels
56-Ba-131m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
12
56-Ba-131m

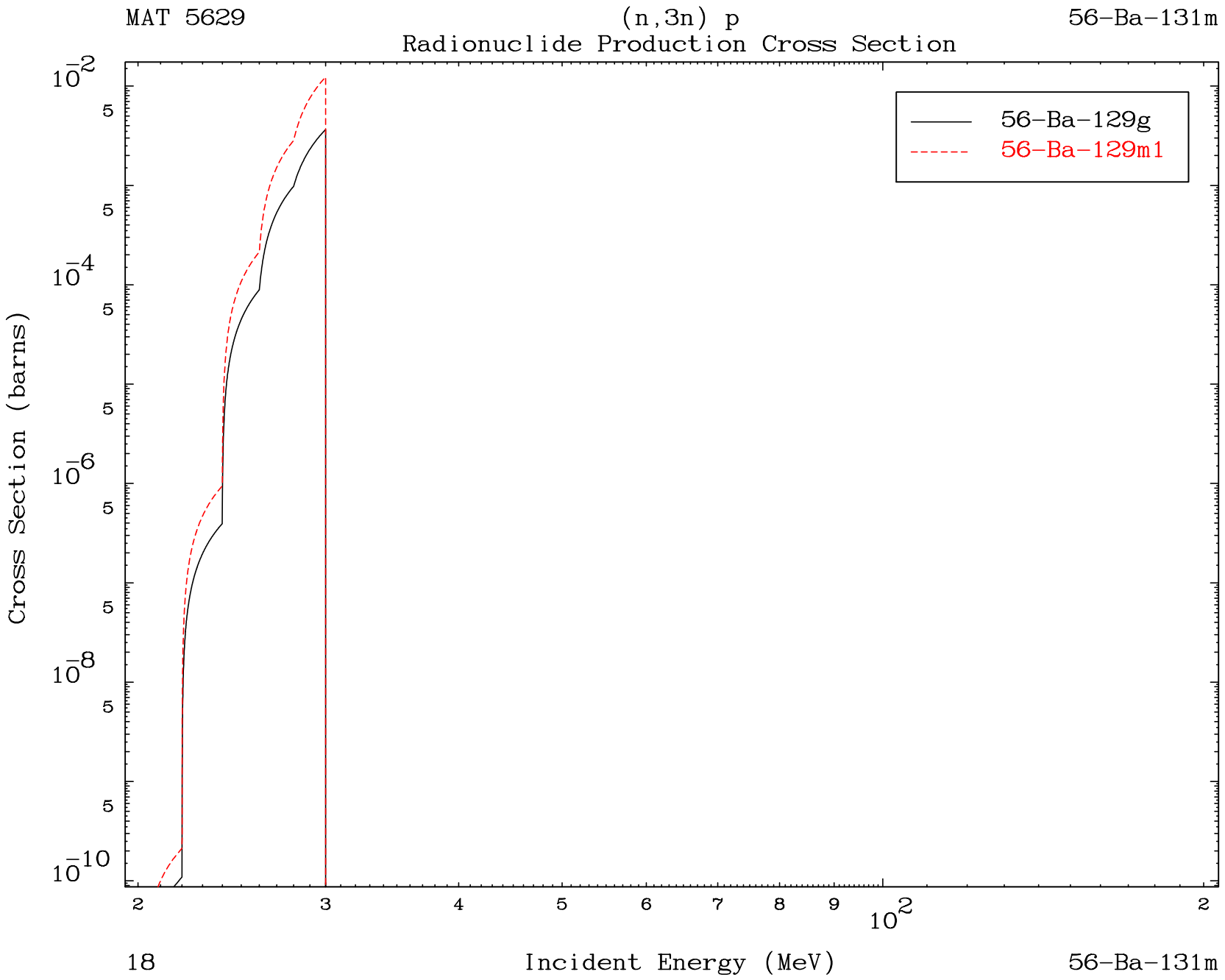

MAT 5629
Inelastic
56-Ba-131m
Radionuclide Production Cross Section
57-La-132g
57-La-132m4
Cross Section (barns)
Incident Energy (MeV)
13
56-Ba-131m

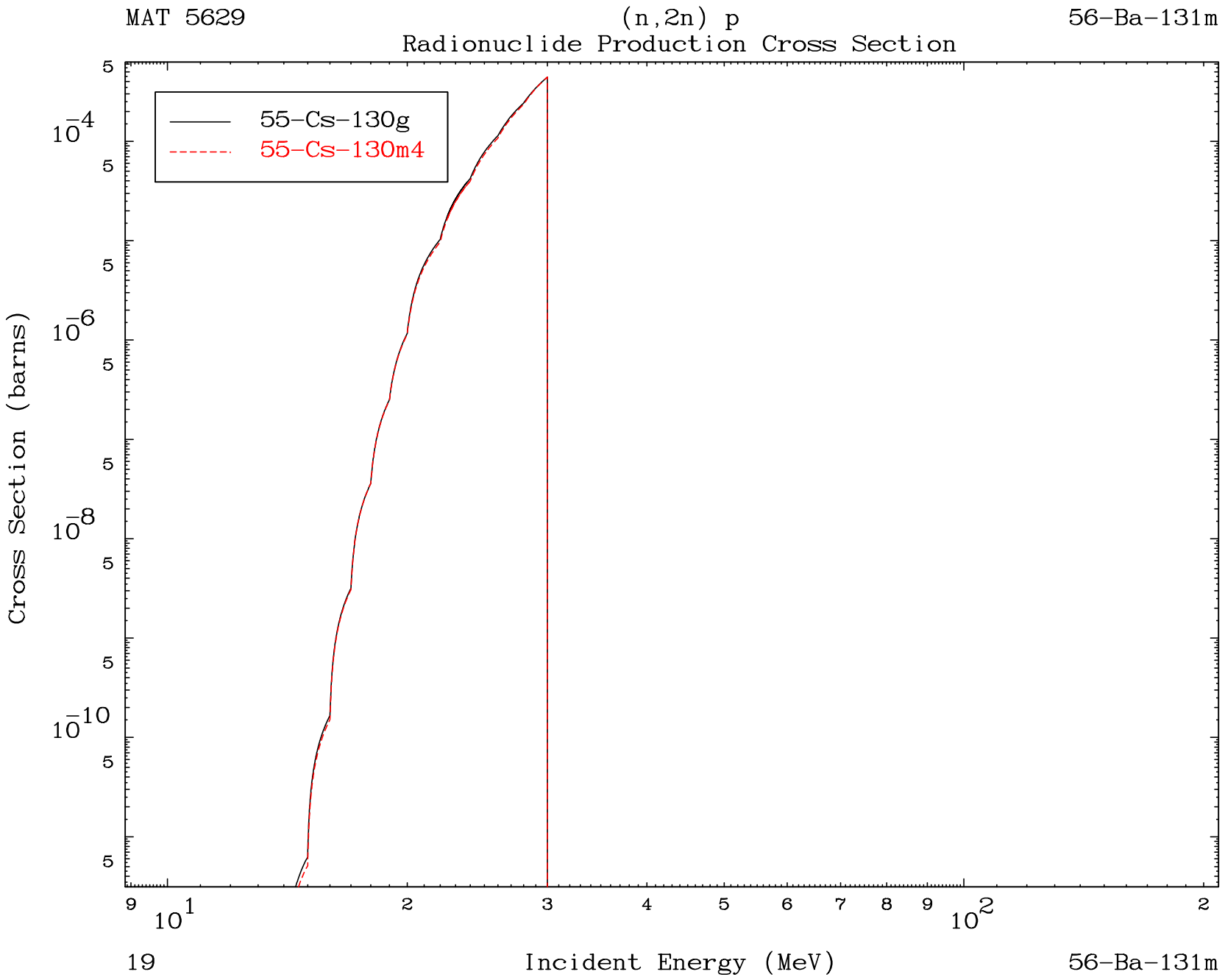

MAT 5629
(n,2n) d
56-Ba-131m
Radionuclide Production Cross Section
56-Ba-129g
56-Ba-129m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
56-Ba-131m

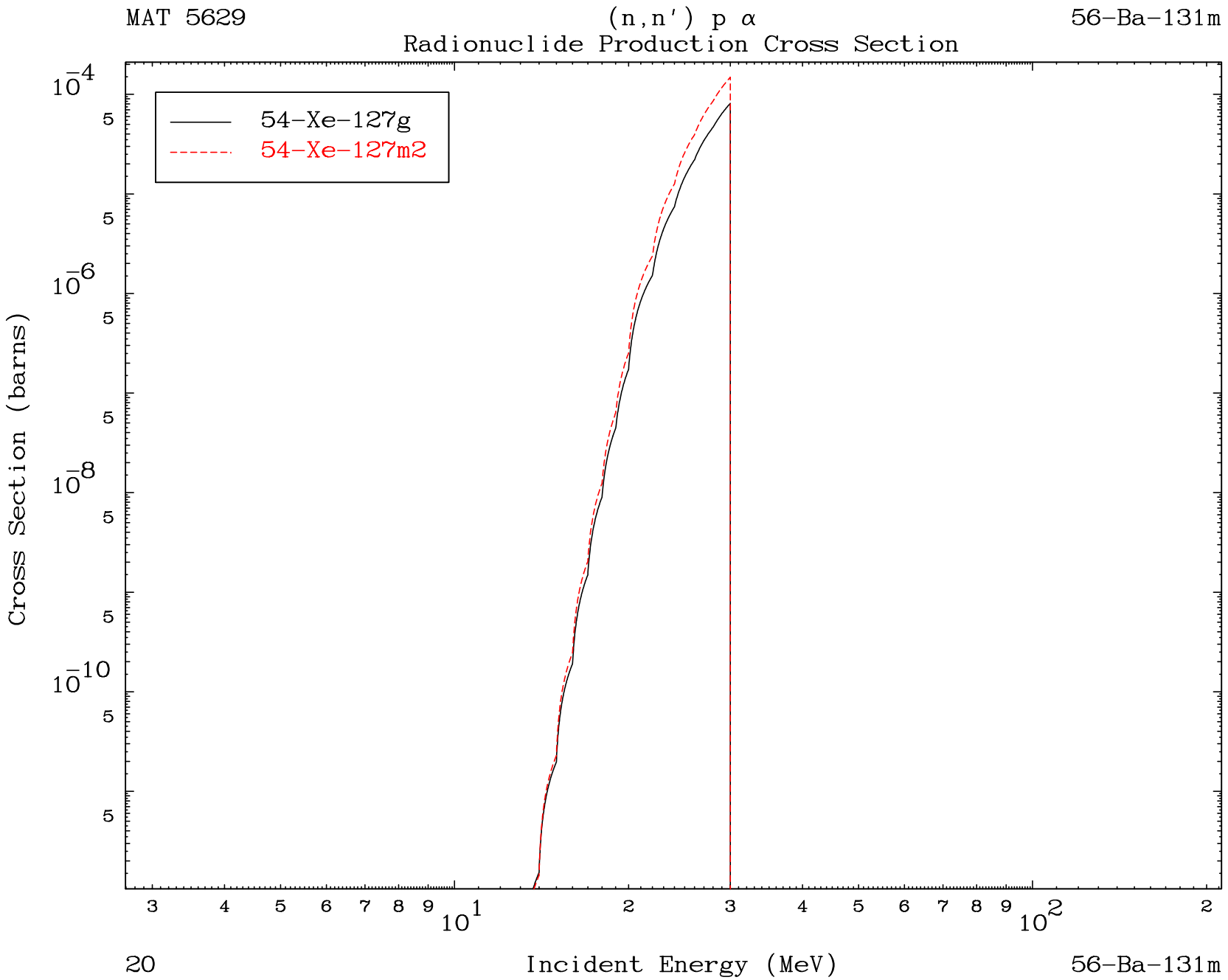

MAT 5629
(n,n') p
56-Ba-131m
Radionuclide Production Cross Section
56-Ba-131g
56-Ba-131m2
Cross Section (barns)
Incident Energy (MeV)
15
56-Ba-131m

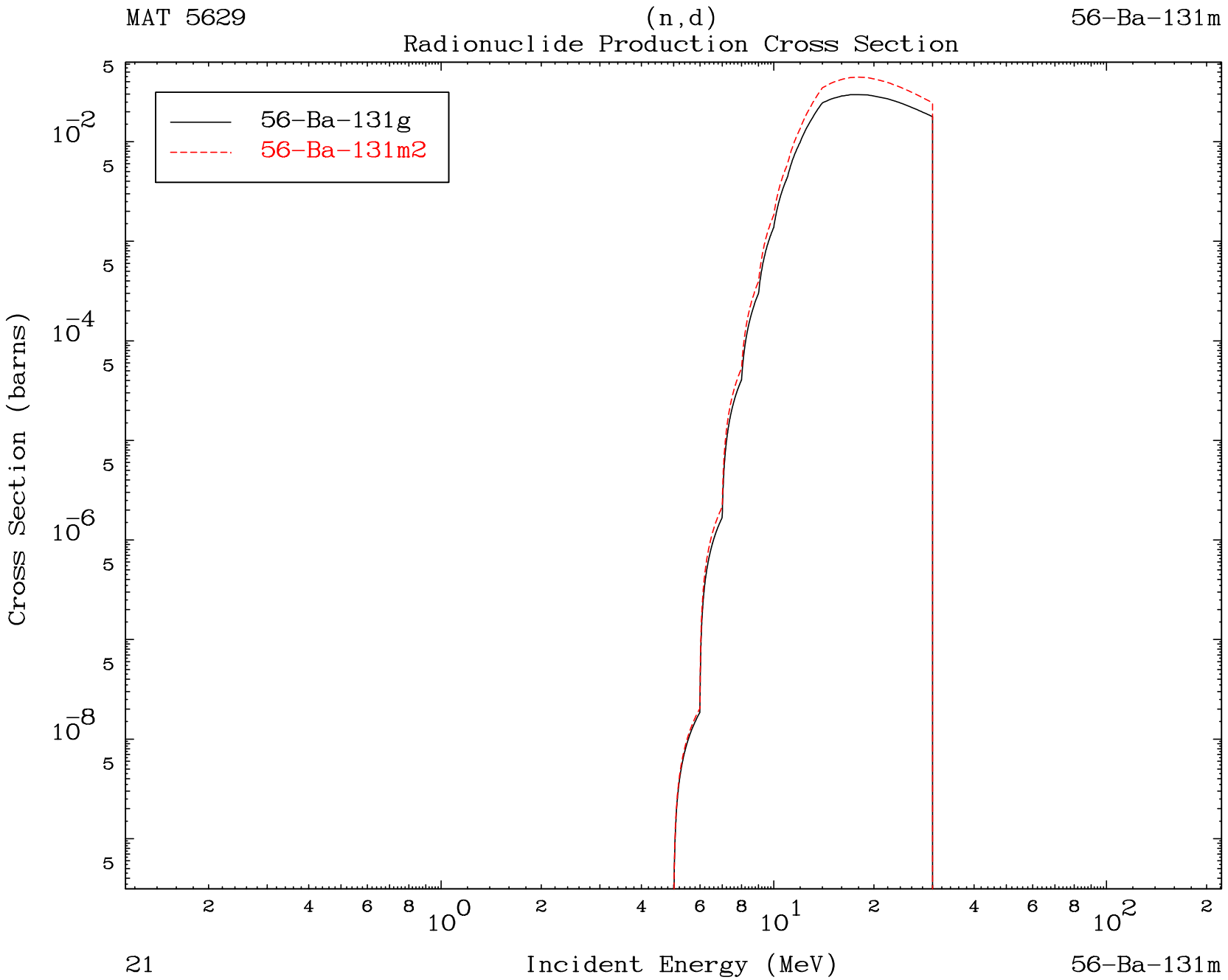

MAT 5629
(n,n') t
56-Ba-131m
Radionuclide Production Cross Section
56-Ba-129g
56-Ba-129m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
56-Ba-131m

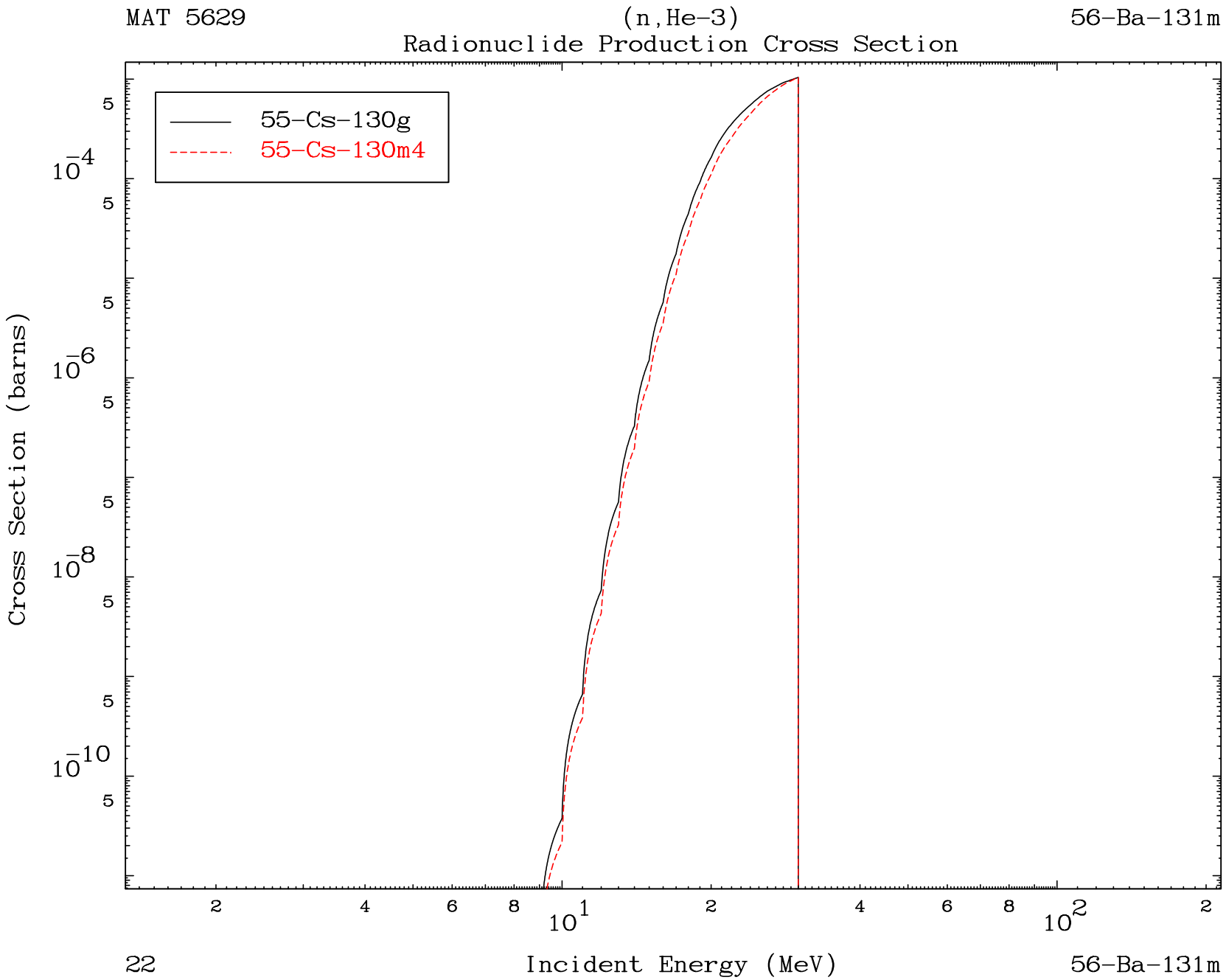

MAT 5629
(n,4n)
56-Ba-131m
Radionuclide Production Cross Section
57-La-129g
57-La-129m2
Cross Section (barns)
Incident Energy (MeV)
17
56-Ba-131m

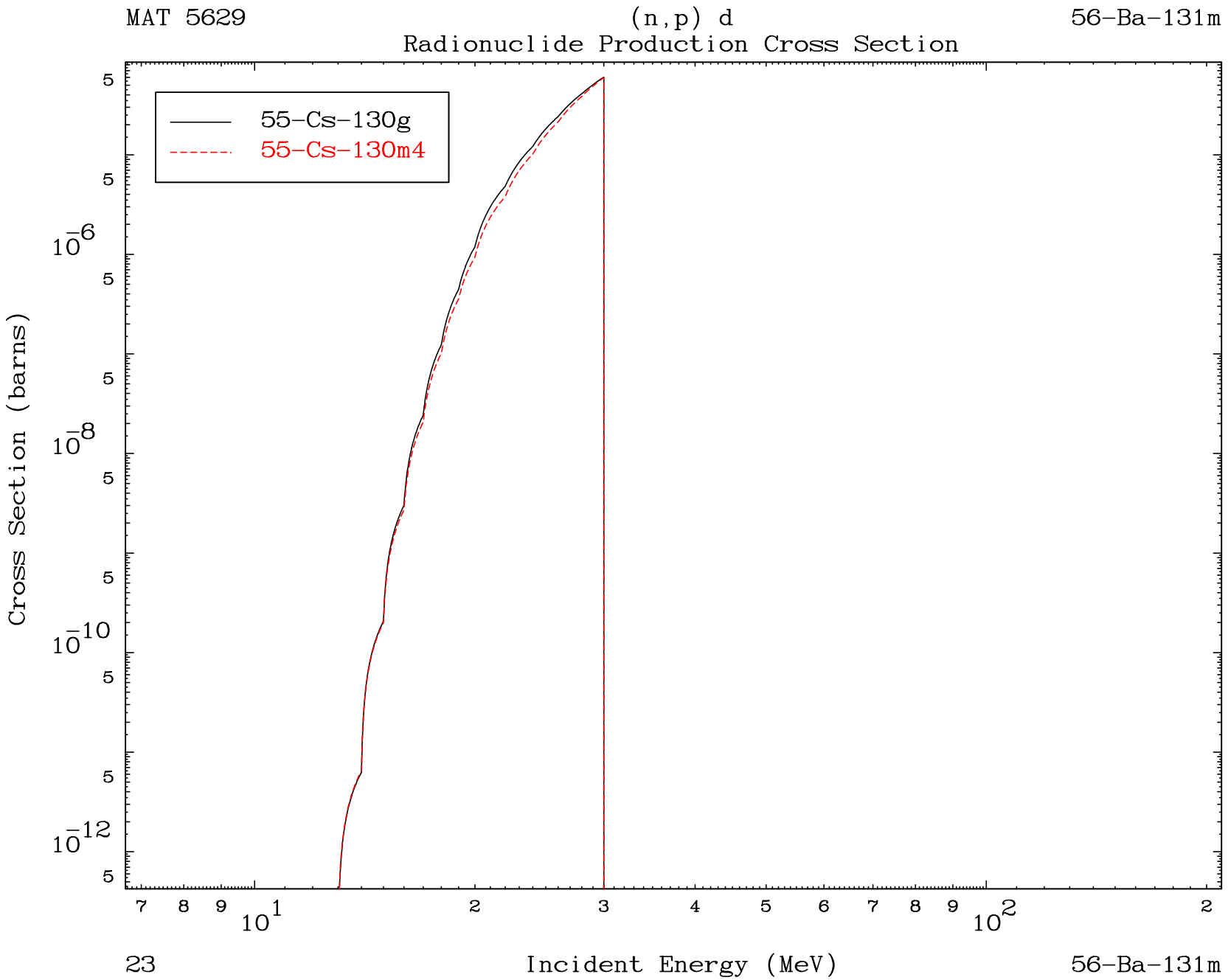

MAT 5629
(n,3n) p
56-Ba-131m
Radionuclide Production Cross Section
56-Ba-129g
56-Ba-129m1
Cross Section (barns)
Incident Energy (MeV)
18
56-Ba-131m

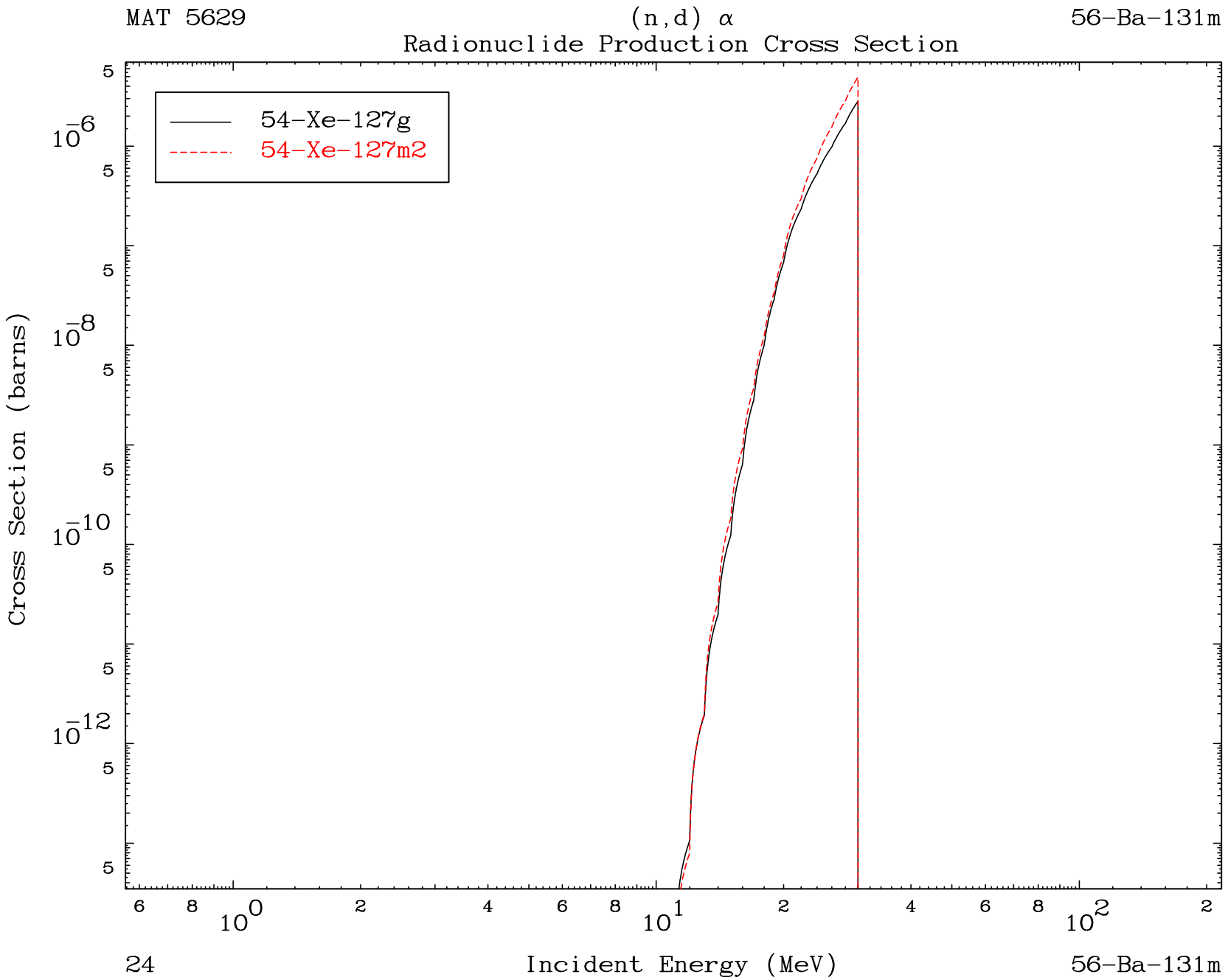

MAT 5629
(n,2n) p
56-Ba-131m
Radionuclide Production Cross Section
55-Cs-130g
55-Cs-130m4
Cross Section (barns)
Incident Energy (MeV)
19
56-Ba-131m


MAT 5629
(n,n') p α
56-Ba-131m
Radionuclide Production Cross Section
54-Xe-127g
54-Xe-127m2
Cross Section (barns)
Incident Energy (MeV)
20
56-Ba-131m


MAT 5629
(n,d)
56-Ba-131m
Radionuclide Production Cross Section
56-Ba-131g
56-Ba-131m2
Cross Section (barns)
Incident Energy (MeV)
21
56-Ba-131m


MAT 5629
(n,He-3)
56-Ba-131m
Radionuclide Production Cross Section
55-Cs-130g
55-Cs-130m4
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
22
56-Ba-131m


MAT 5629
(n,p) d
56-Ba-131m
Radionuclide Production Cross Section
55-Cs-130g
55-Cs-130m4
Cross Section (barns)
Incident Energy (MeV)
23
56-Ba-131m


MAT 5629
(n,d) α
56-Ba-131m
Radionuclide Production Cross Section
54-Xe-127g
54-Xe-127m2
Cross Section (barns)
Incident Energy (MeV)
24
56-Ba-131m