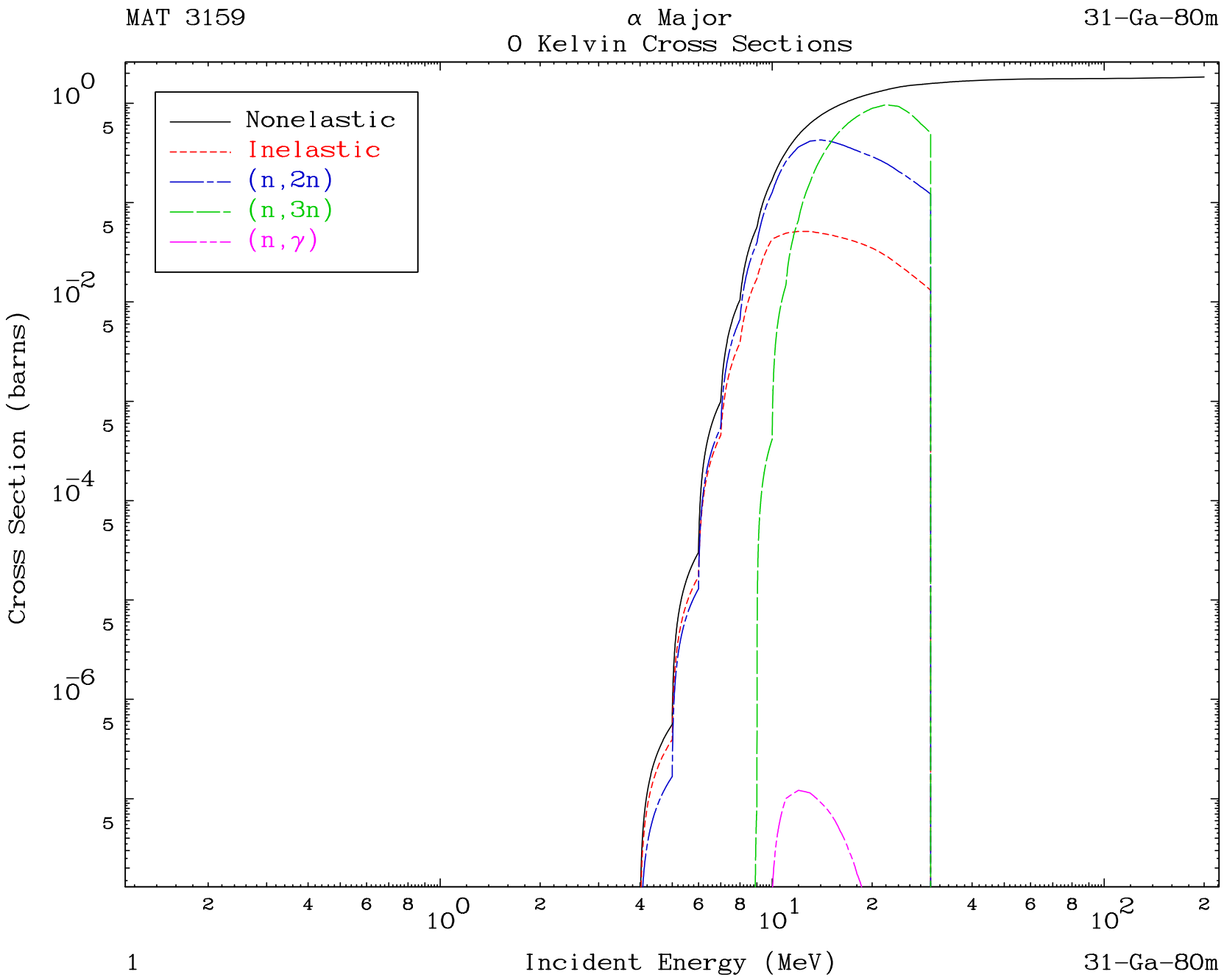
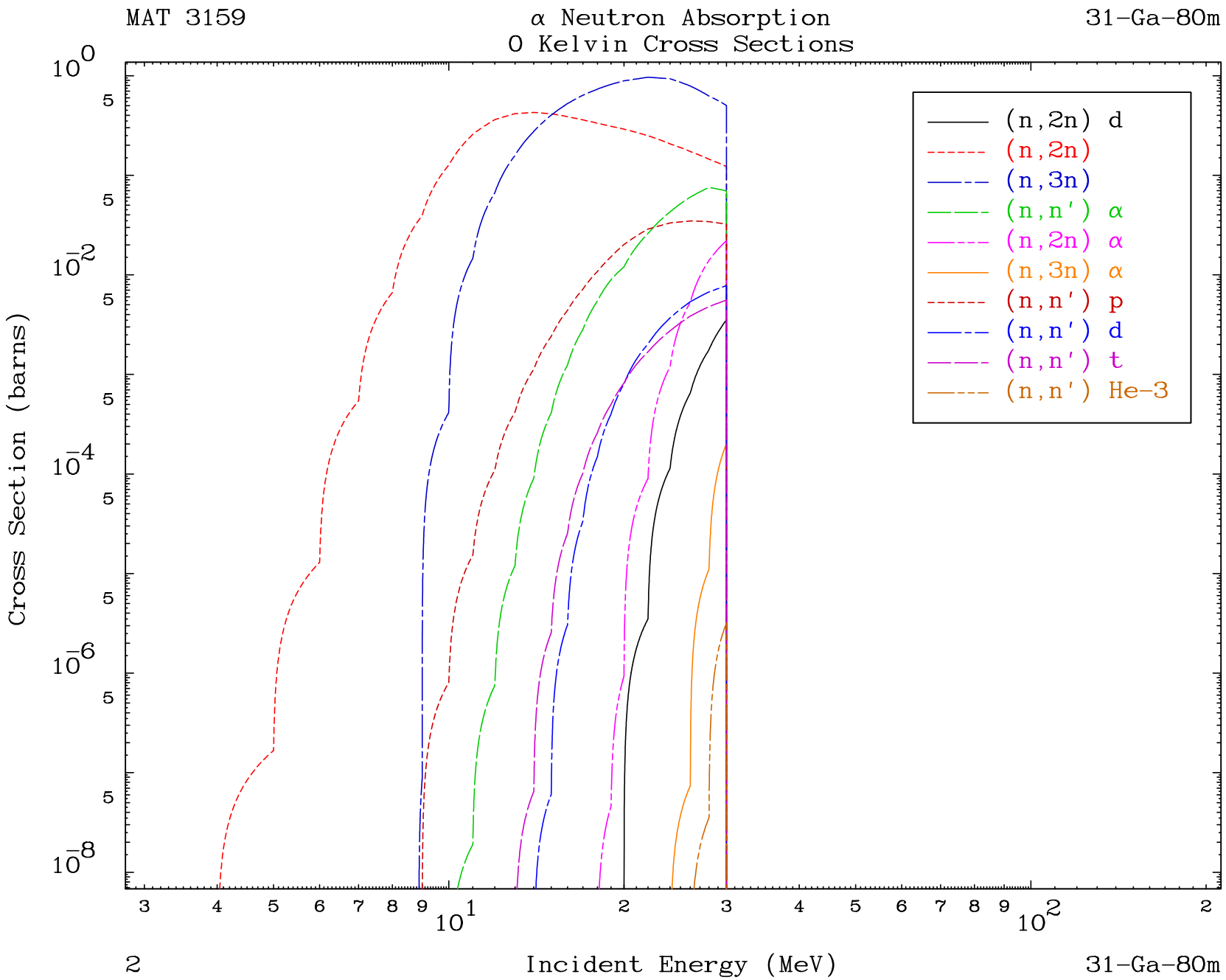
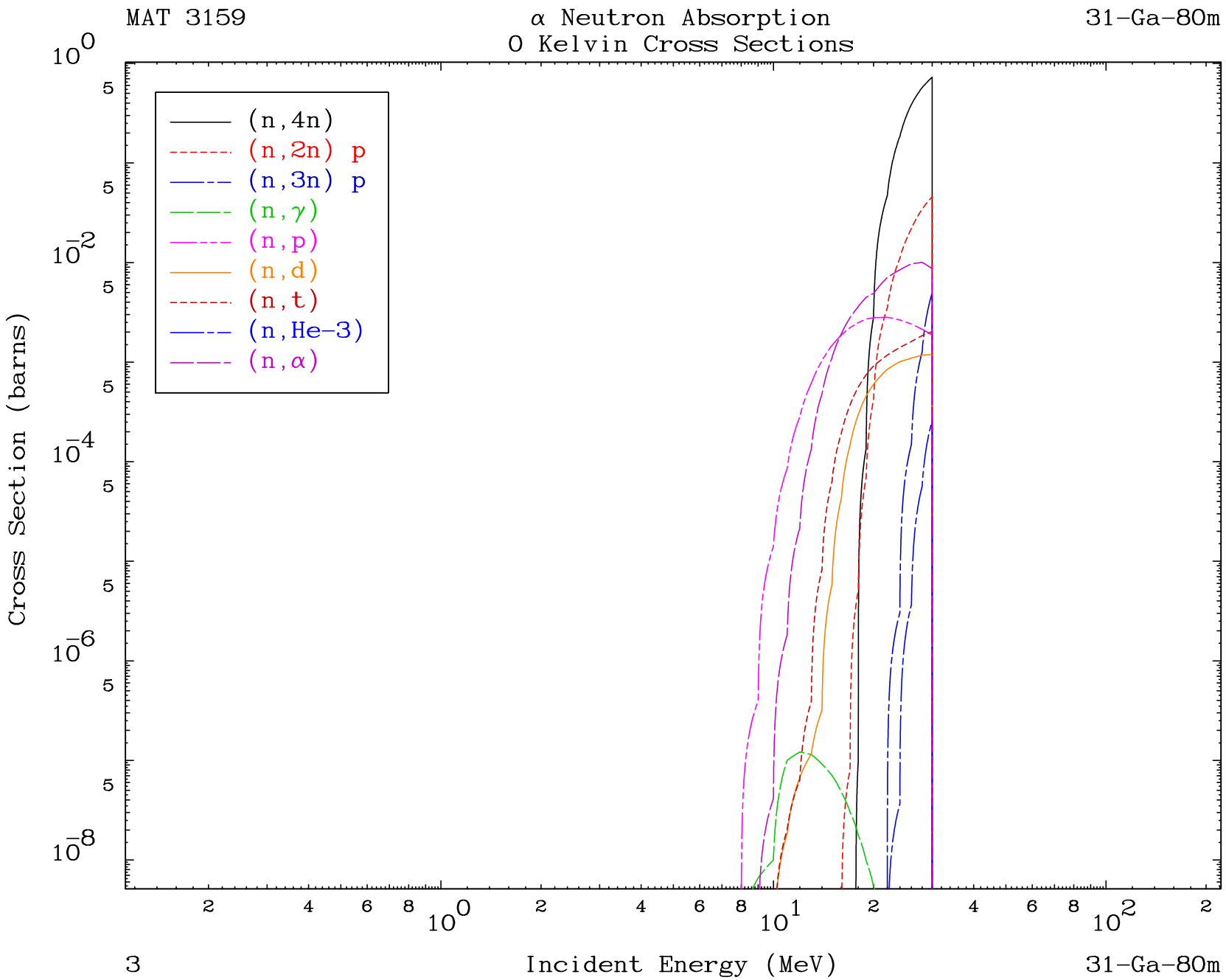
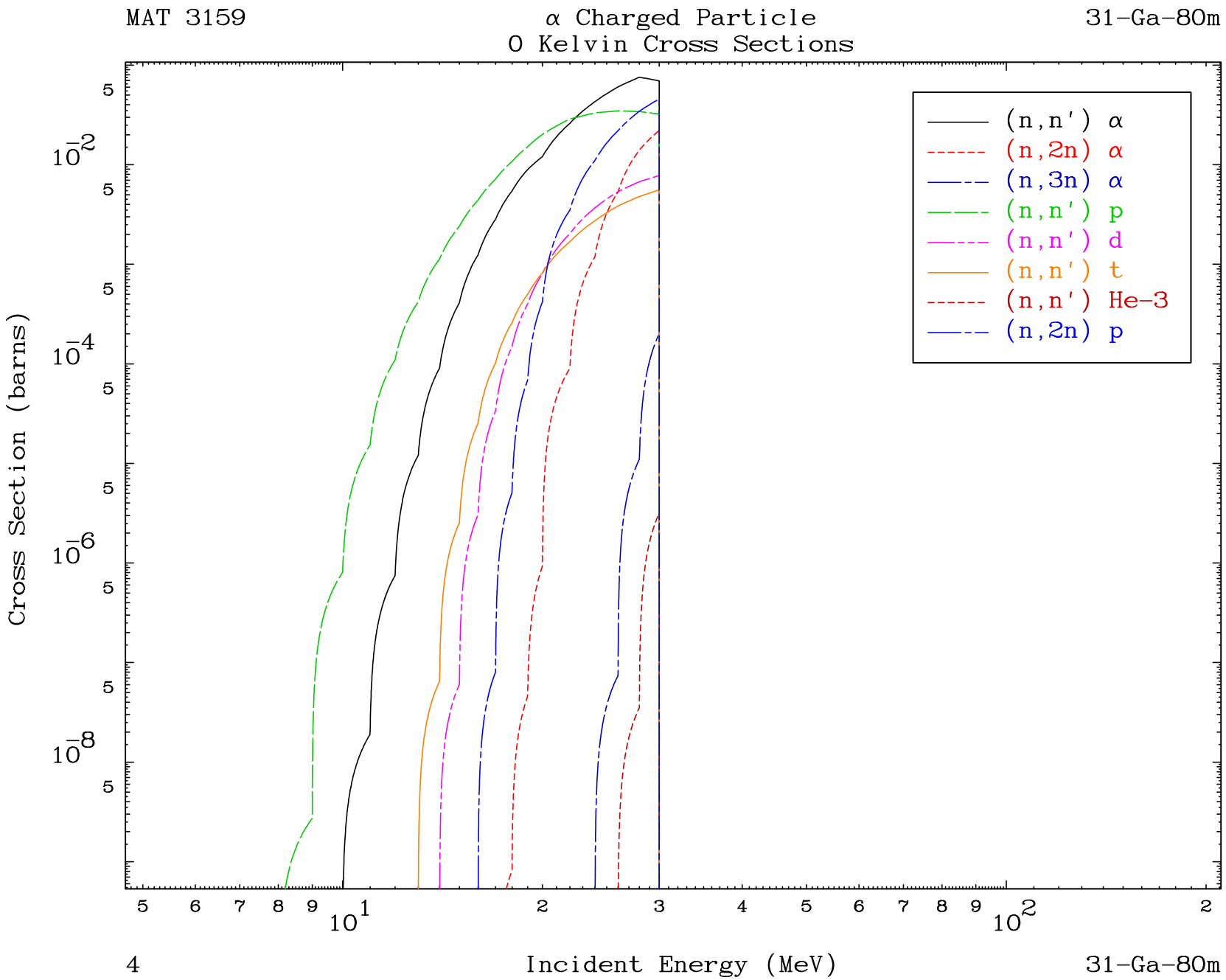
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

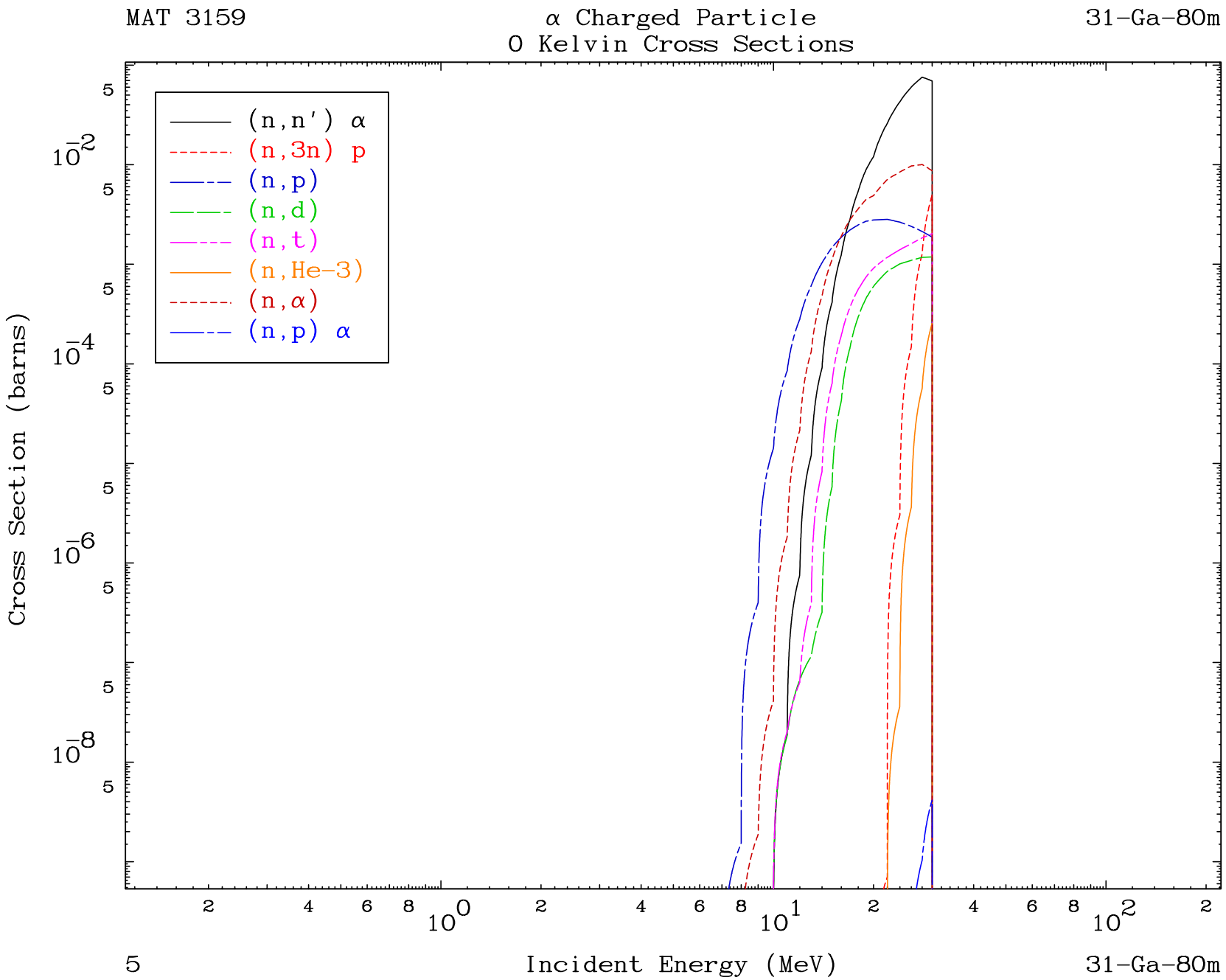
Press Mouse Button to Start

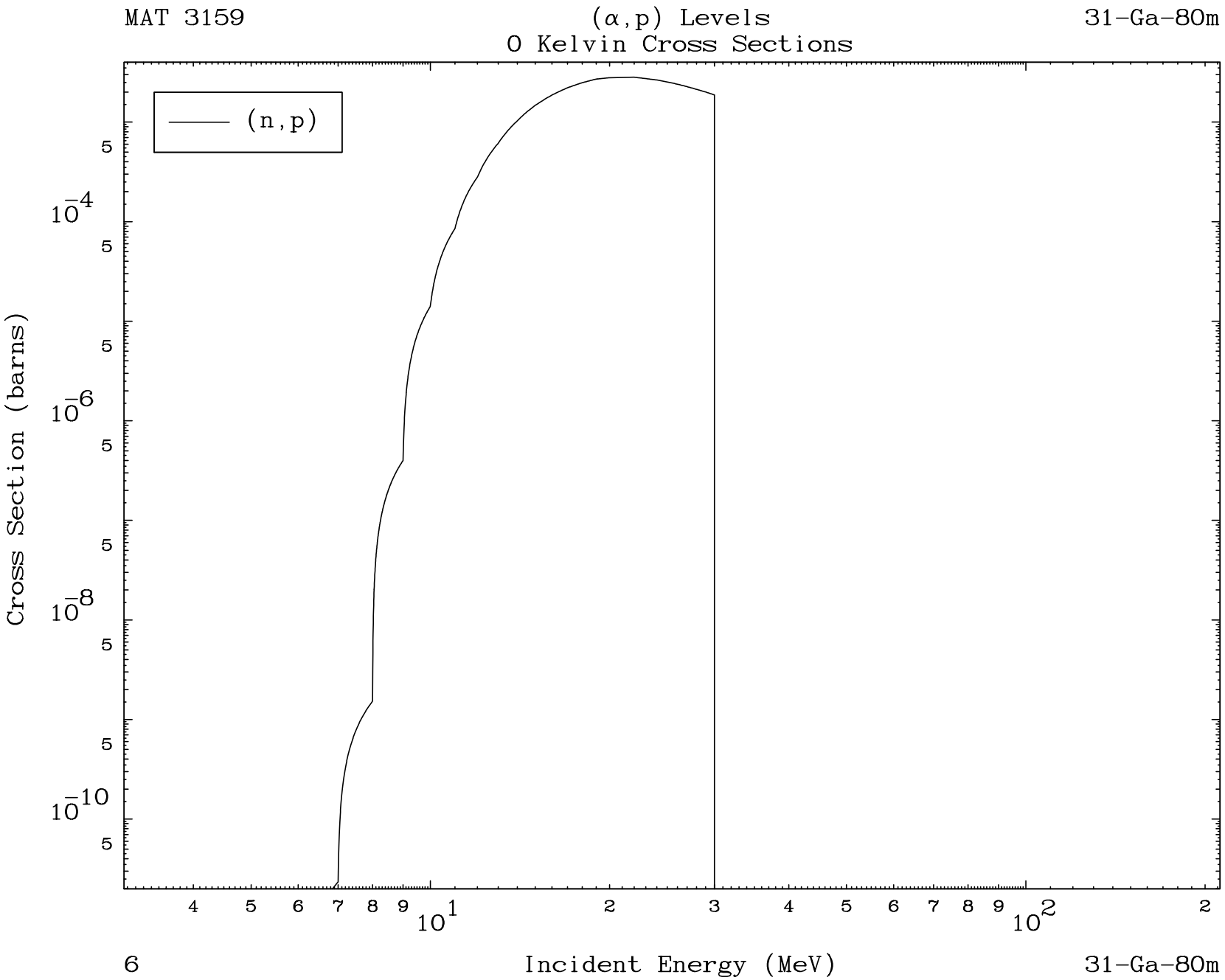

MAT 3159
α Major
31-Ga-80m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
31-Ga-80m

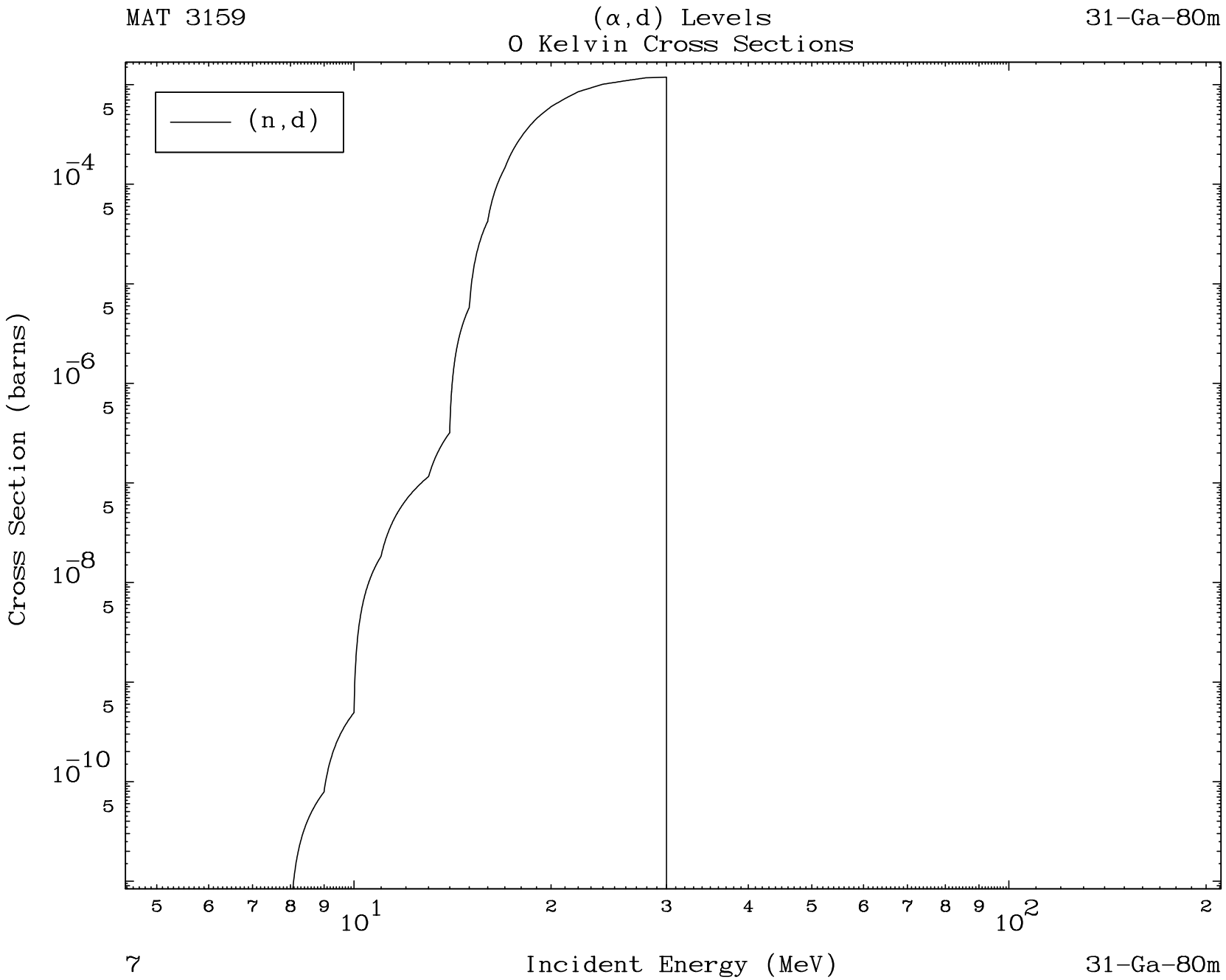

MAT 3159
α Neutron Absorption
0 Kelvin Cross Sections
31-Ga-80m
Cross Section (barns)
Incident Energy (MeV)
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3

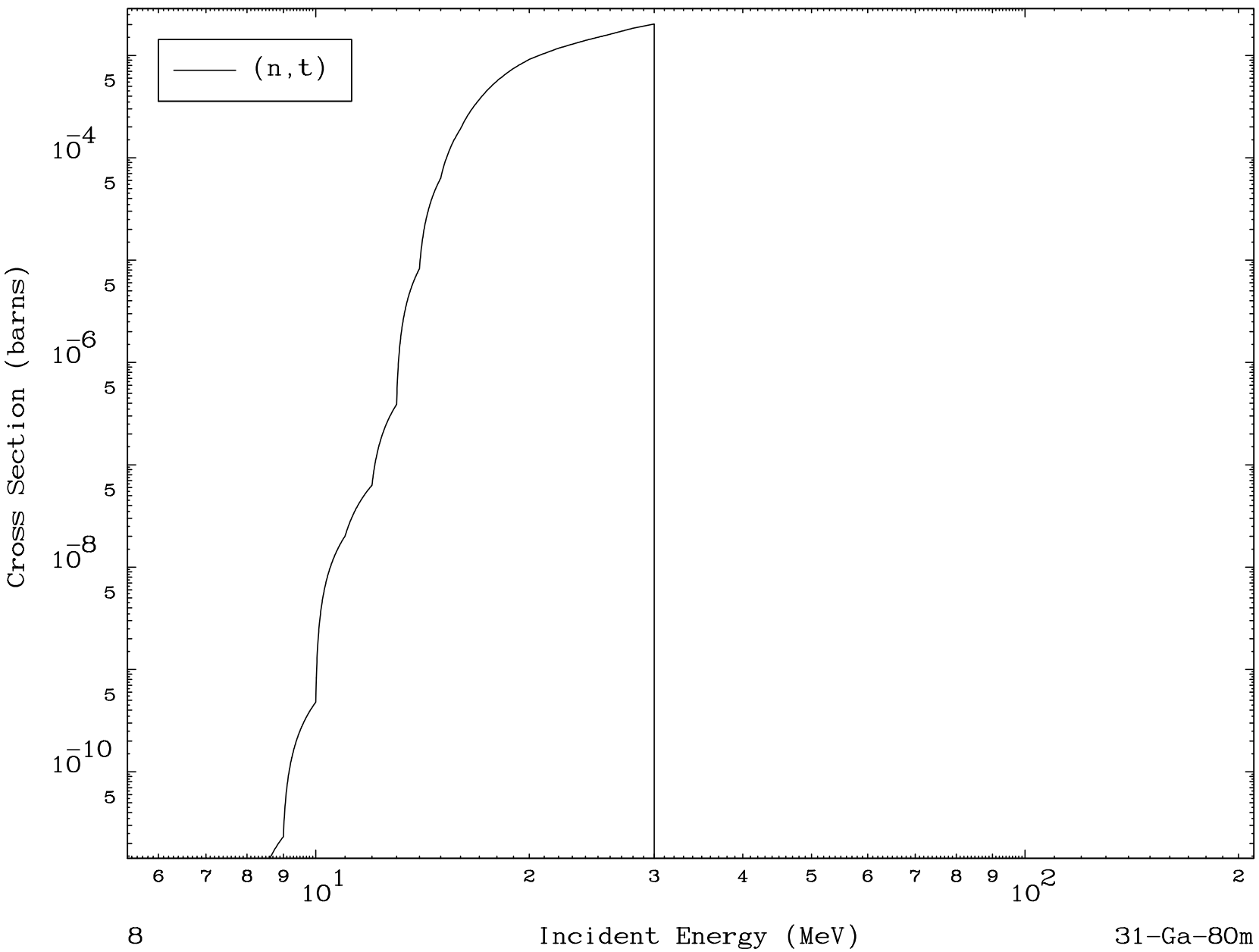

MAT 3159
α Neutron Absorption
0 Kelvin Cross Sections
31-Ga-80m
(n,4n)
(n,2n) p
(n,3n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
31-Ga-80m

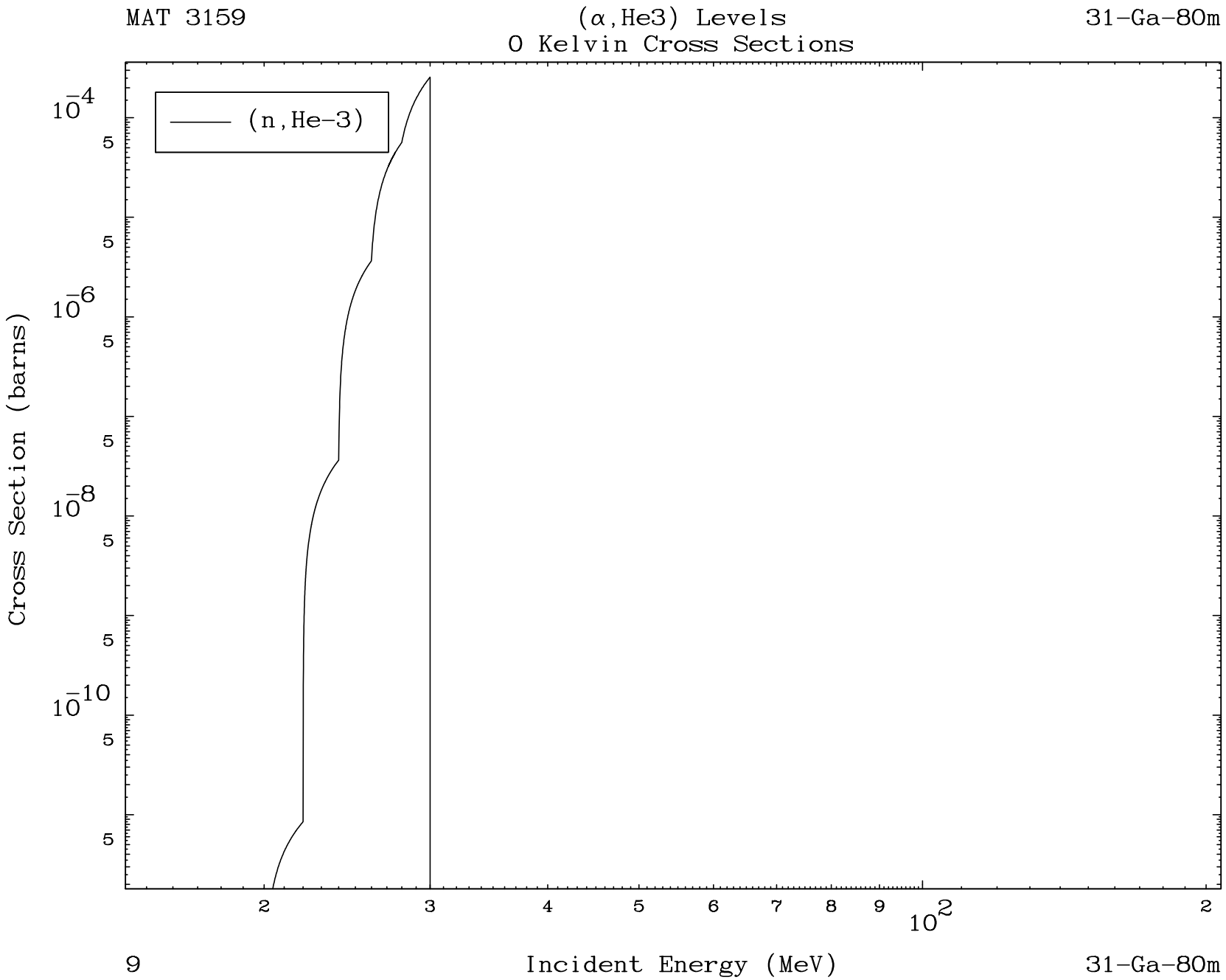

MAT 3159
α Charged Particle
0 Kelvin Cross Sections
31-Ga-80m
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
4
31-Ga-80m

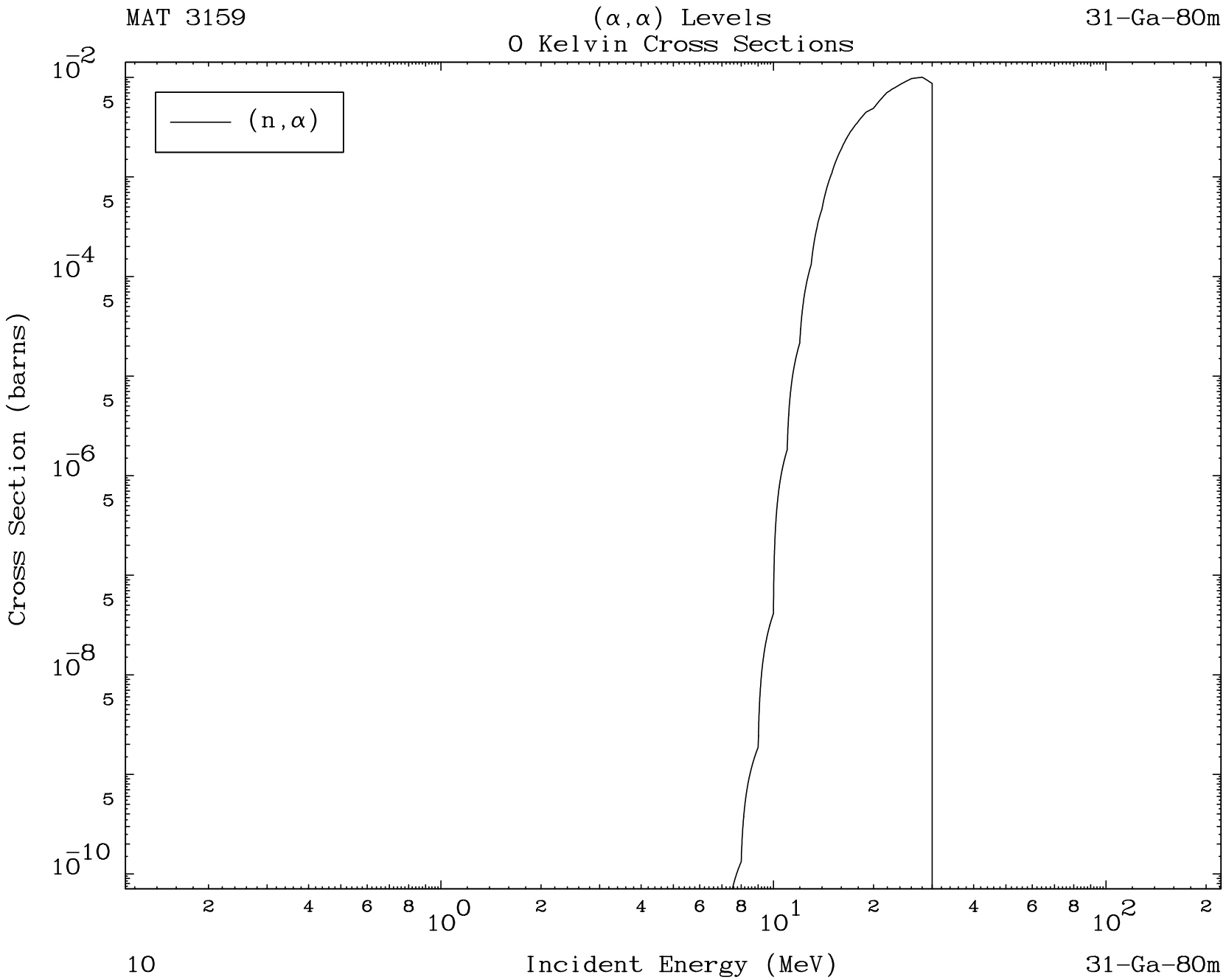

MAT 3159
α Charged Particle
0 Kelvin Cross Sections
31-Ga-80m
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
31-Ga-80m

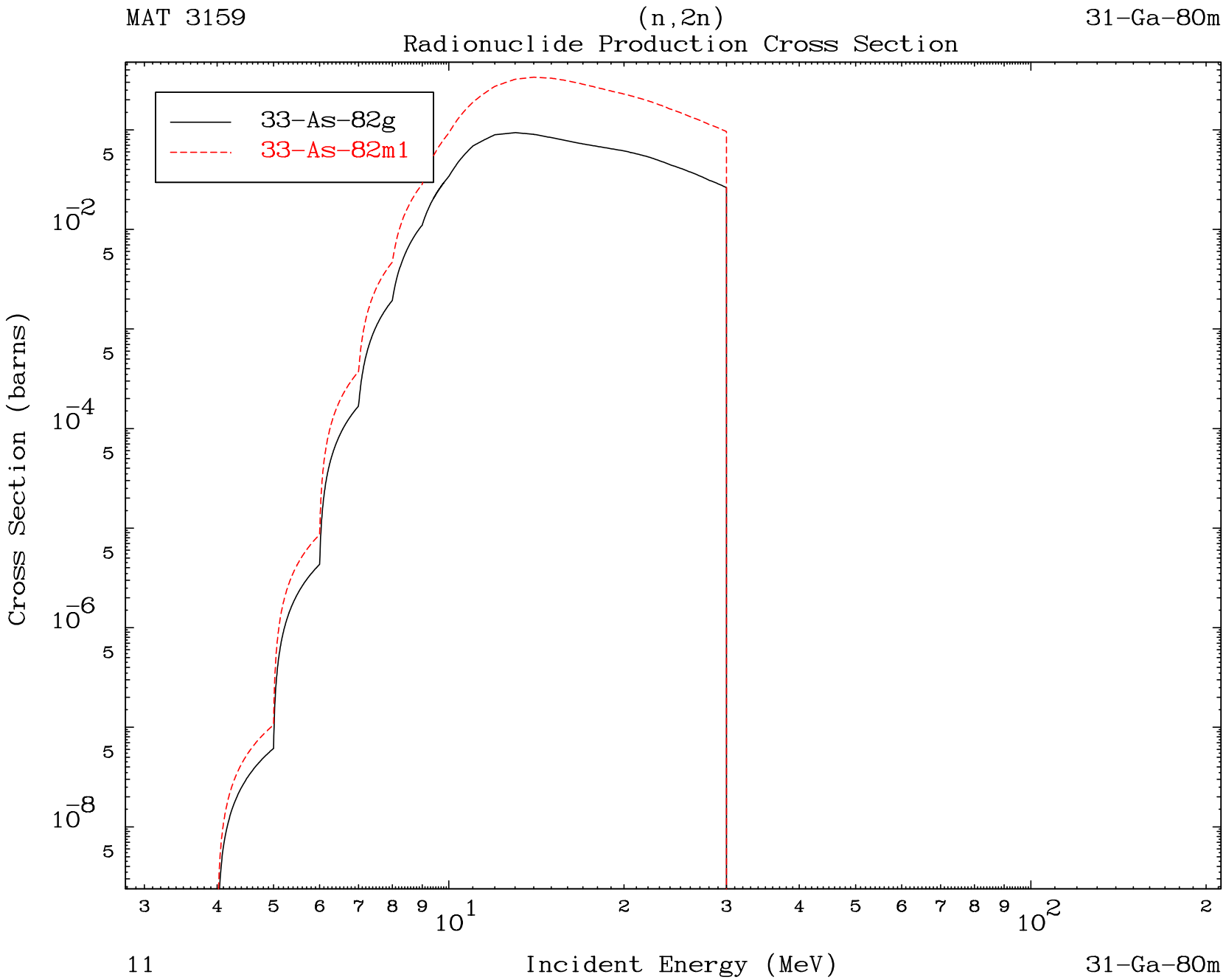

MAT 3159
(α,p) Levels
31-Ga-80m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
31-Ga-80m

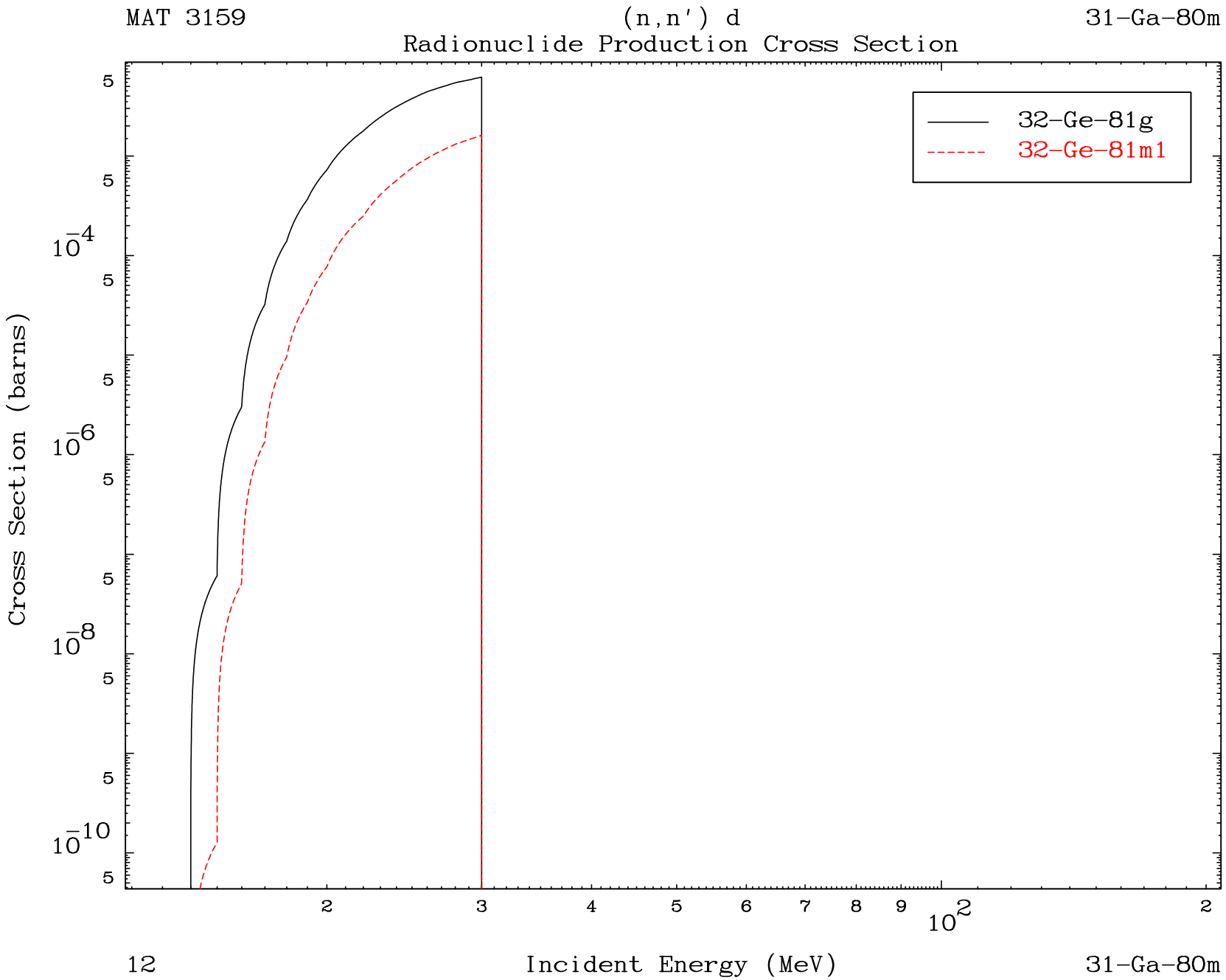

MAT 3159
(α,d) Levels
31-Ga-80m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
7
31-Ga-80m

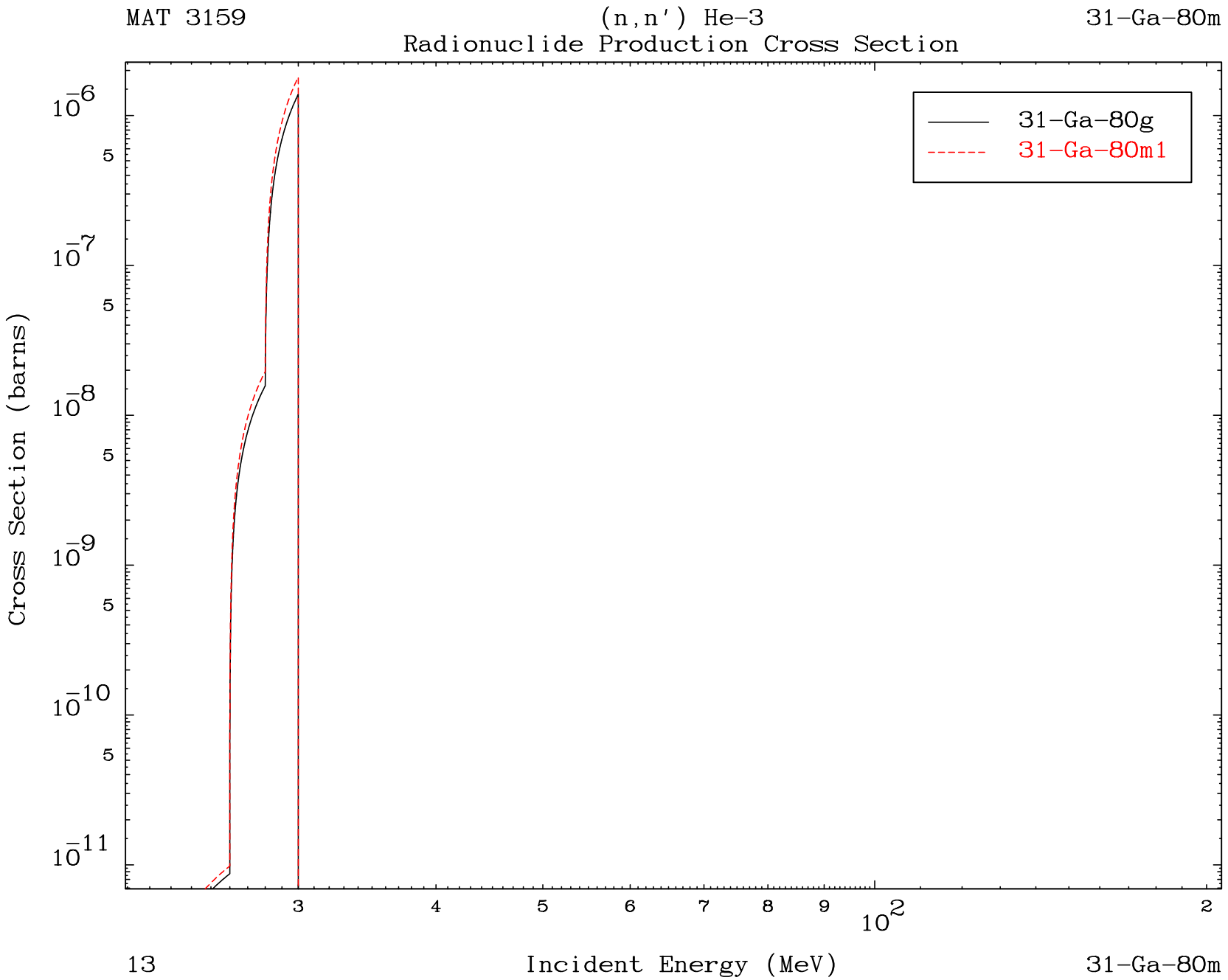

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)

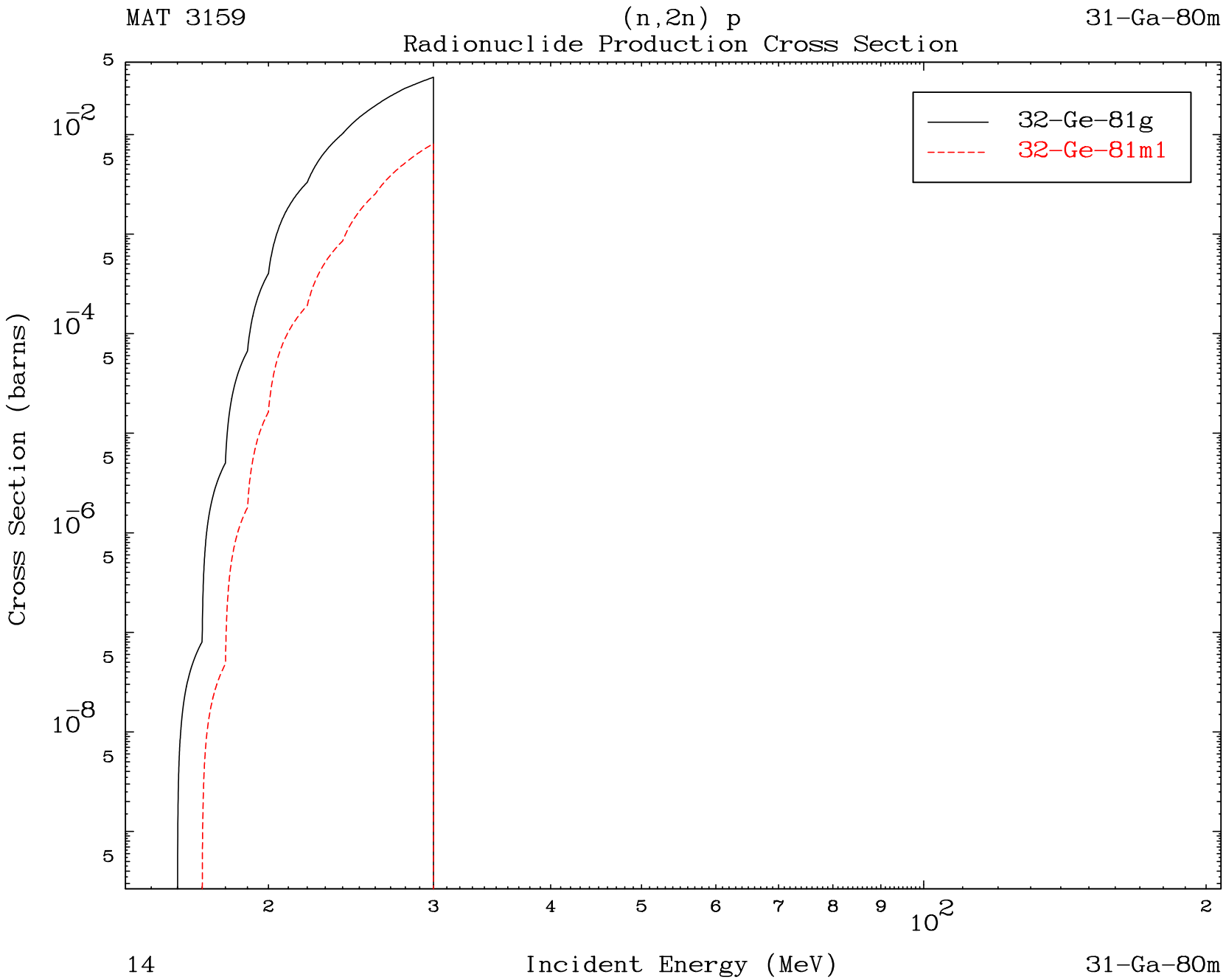

MAT 3159
(α,He3) Levels
31-Ga-80m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
2
3
4
5
6
7
8
9
10 2
9
31-Ga-80m

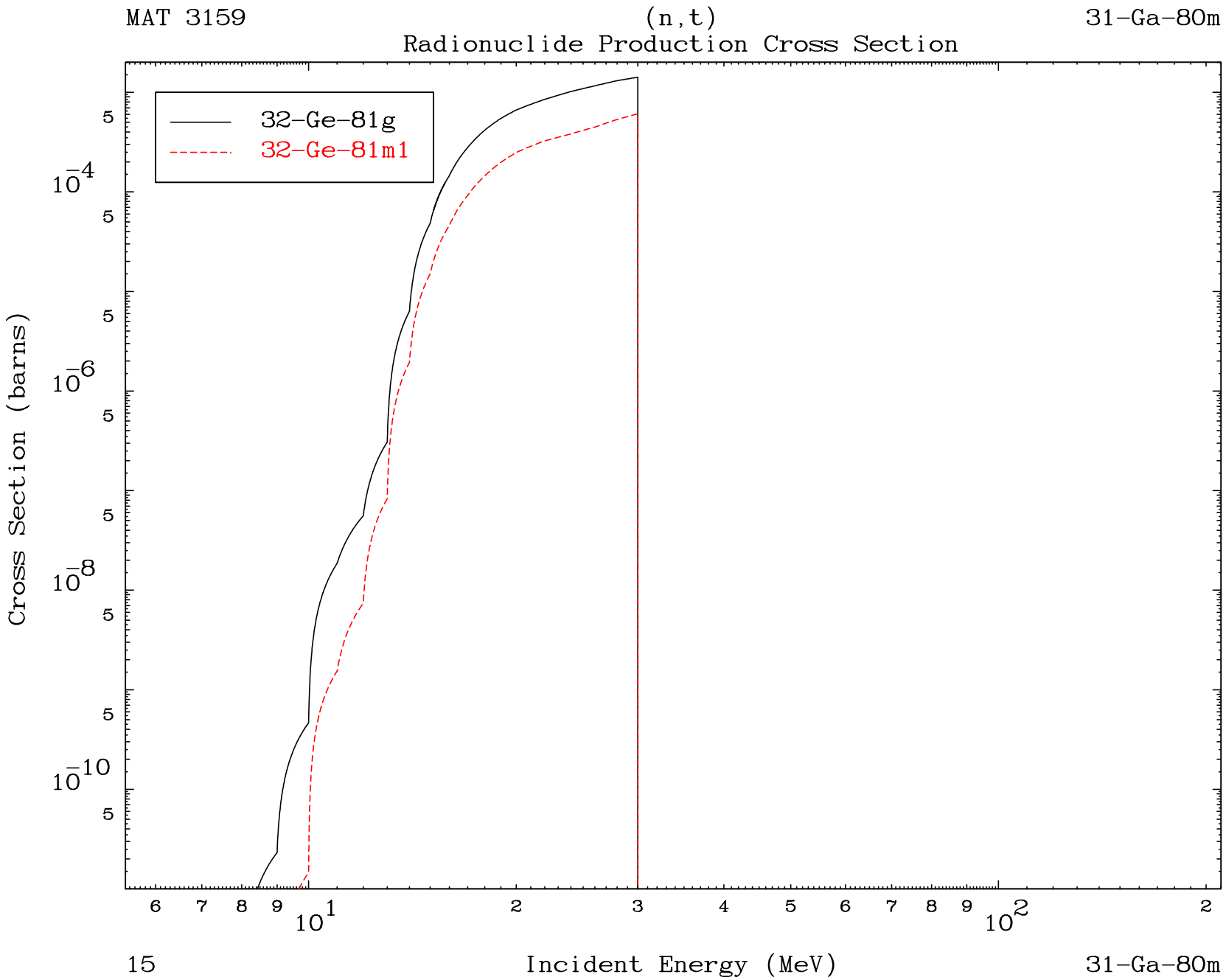

MAT 3159
(α,α) Levels
31-Ga-80m
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
Incident Energy (MeV)
31-Ga-80m

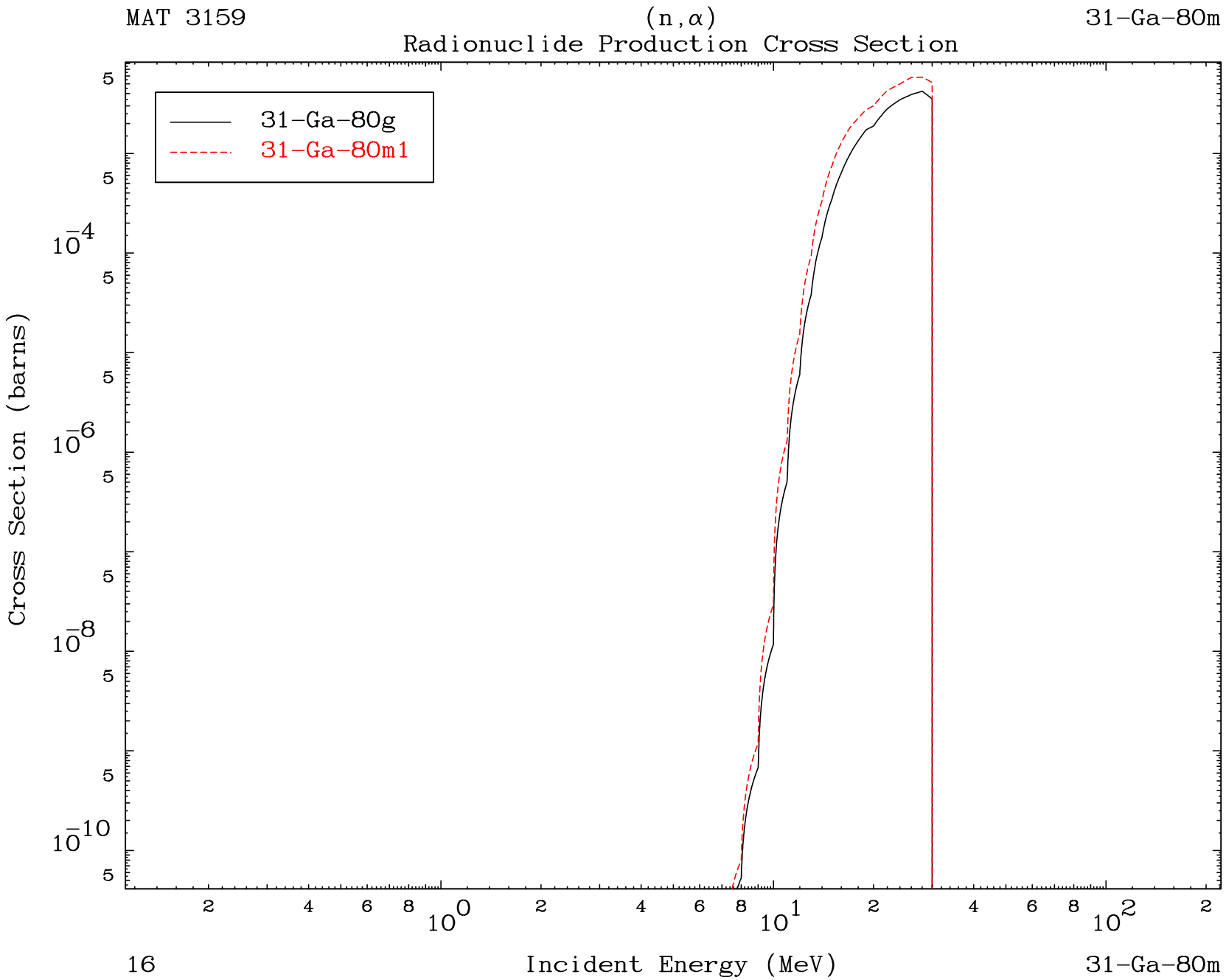

MAT 3159
(n,2n)
31-Ga-80m
Radionuclide Production Cross Section
33-As-82g
33-As-82m1
Cross Section (barns)
Incident Energy (MeV)
11
31-Ga-80m

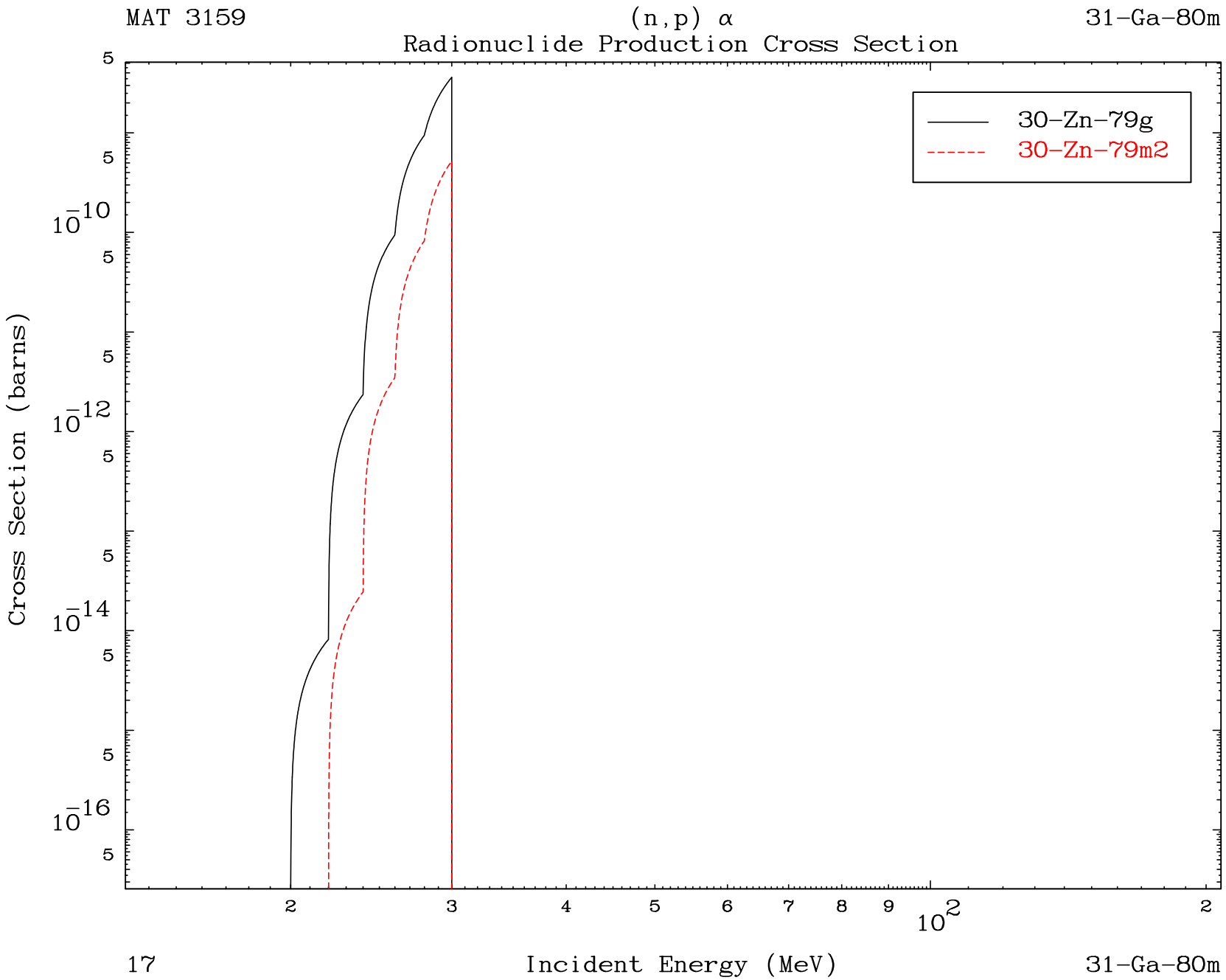

MAT 3159
(n,n') d
31-Ga-80m
Radionuclide Production Cross Section
32-Ge-81g
32-Ge-81m1
Cross Section (barns)
Incident Energy (MeV)
12
31-Ga-80m


MAT 3159
(n,n') He-3
31-Ga-80m
Radionuclide Production Cross Section
31-Ga-80g
31-Ga-80m1
Cross Section (barns)
10-6
10-7
10-8
10-9
10-10
10-11
5
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
31-Ga-80m


MAT 3159
(n,2n) p
31-Ga-80m
Radionuclide Production Cross Section
32-Ge-81g
32-Ge-81m1
Cross Section (barns)
Incident Energy (MeV)
14
31-Ga-80m


MAT 3159
(n,t)
31-Ga-80m
Radionuclide Production Cross Section
32-Ge-81g
32-Ge-81m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10 1
10 2
15
31-Ga-80m


MAT 3159
(n,α)
31-Ga-80m
Radionuclide Production Cross Section
31-Ga-80g
31-Ga-80m1
Cross Section (barns)
Incident Energy (MeV)
16
31-Ga-80m


MAT 3159
(n,p) α
31-Ga-80m
Radionuclide Production Cross Section
30-Zn-79g
30-Zn-79m2
Cross Section (barns)
Incident Energy (MeV)
17
31-Ga-80m