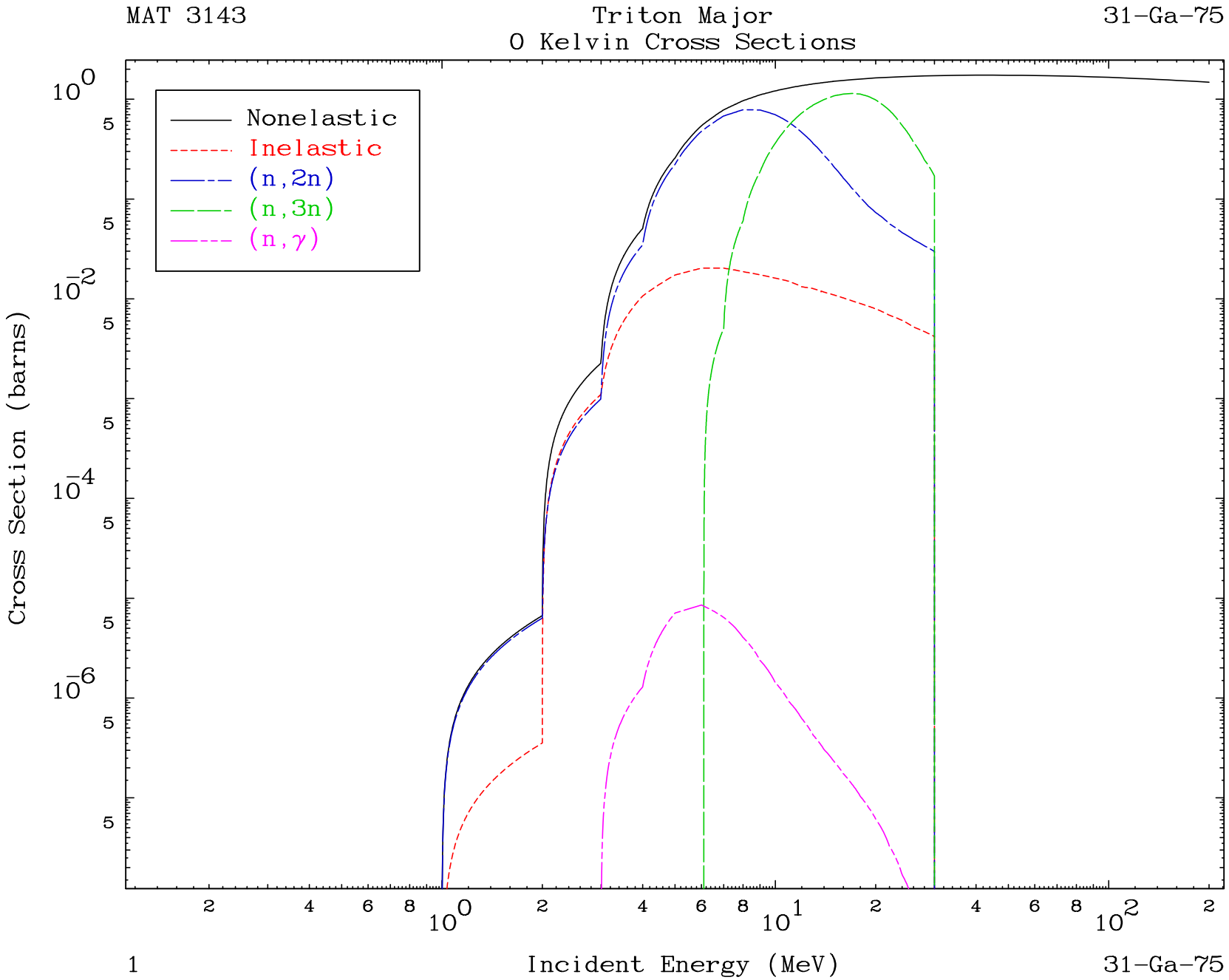
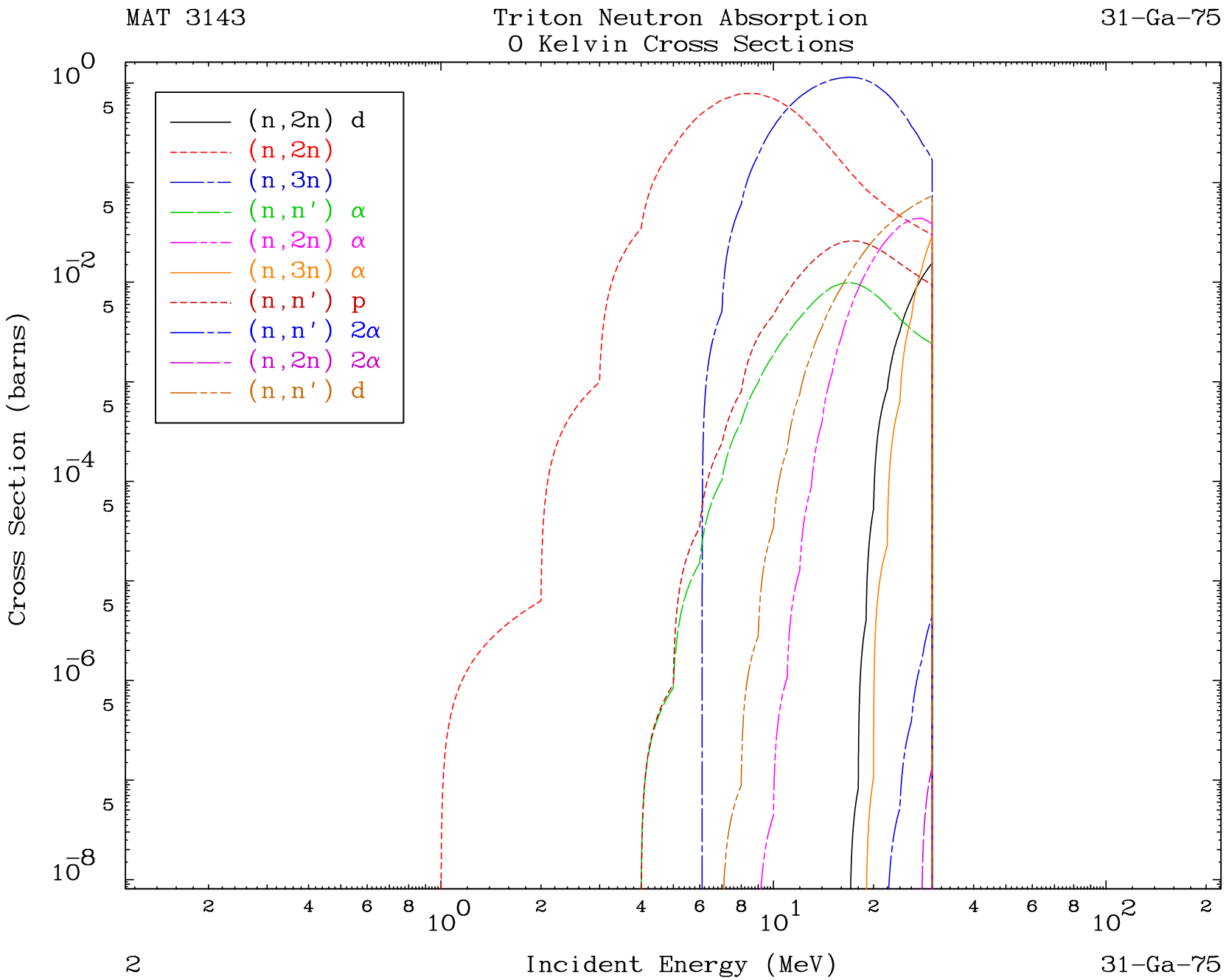
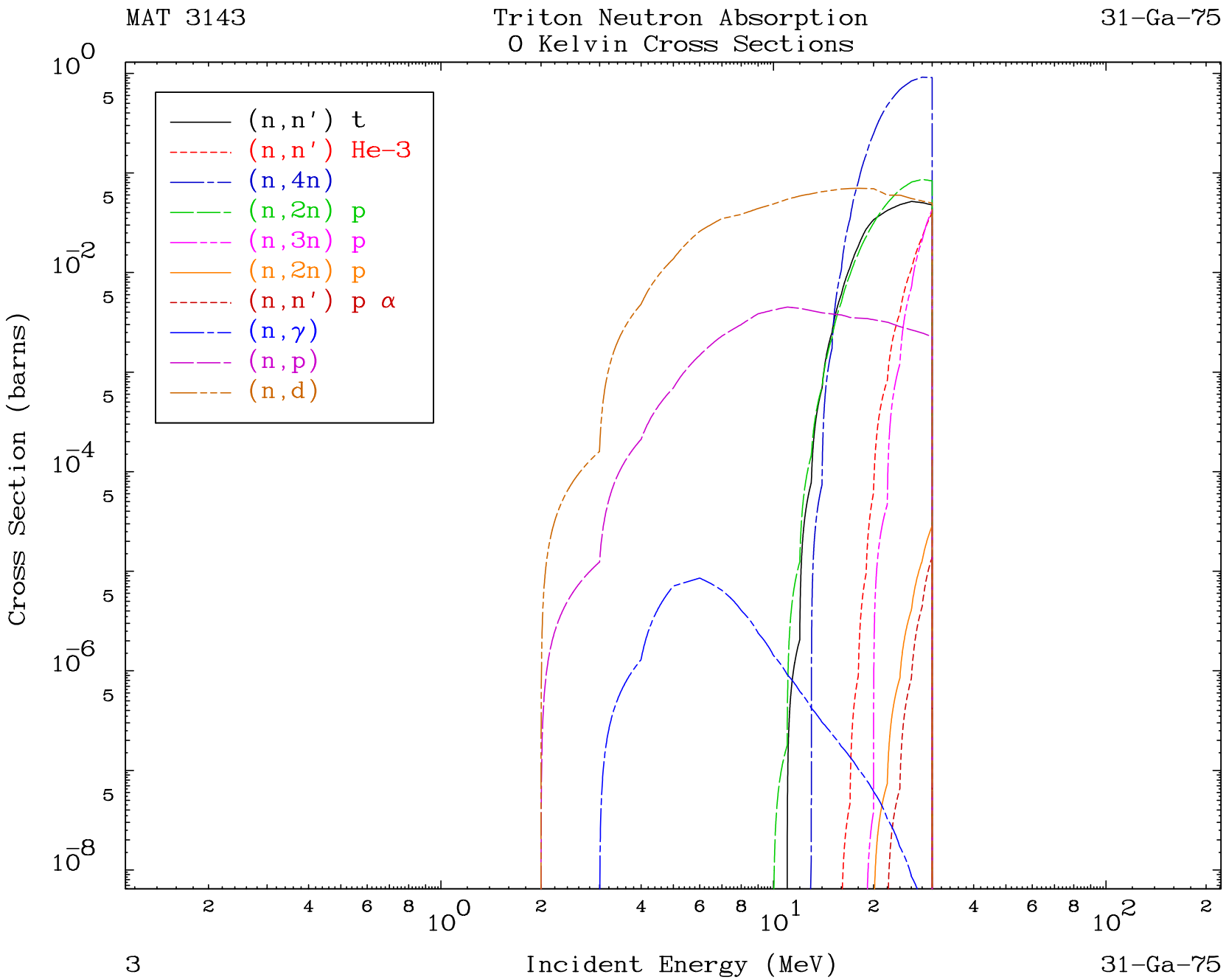
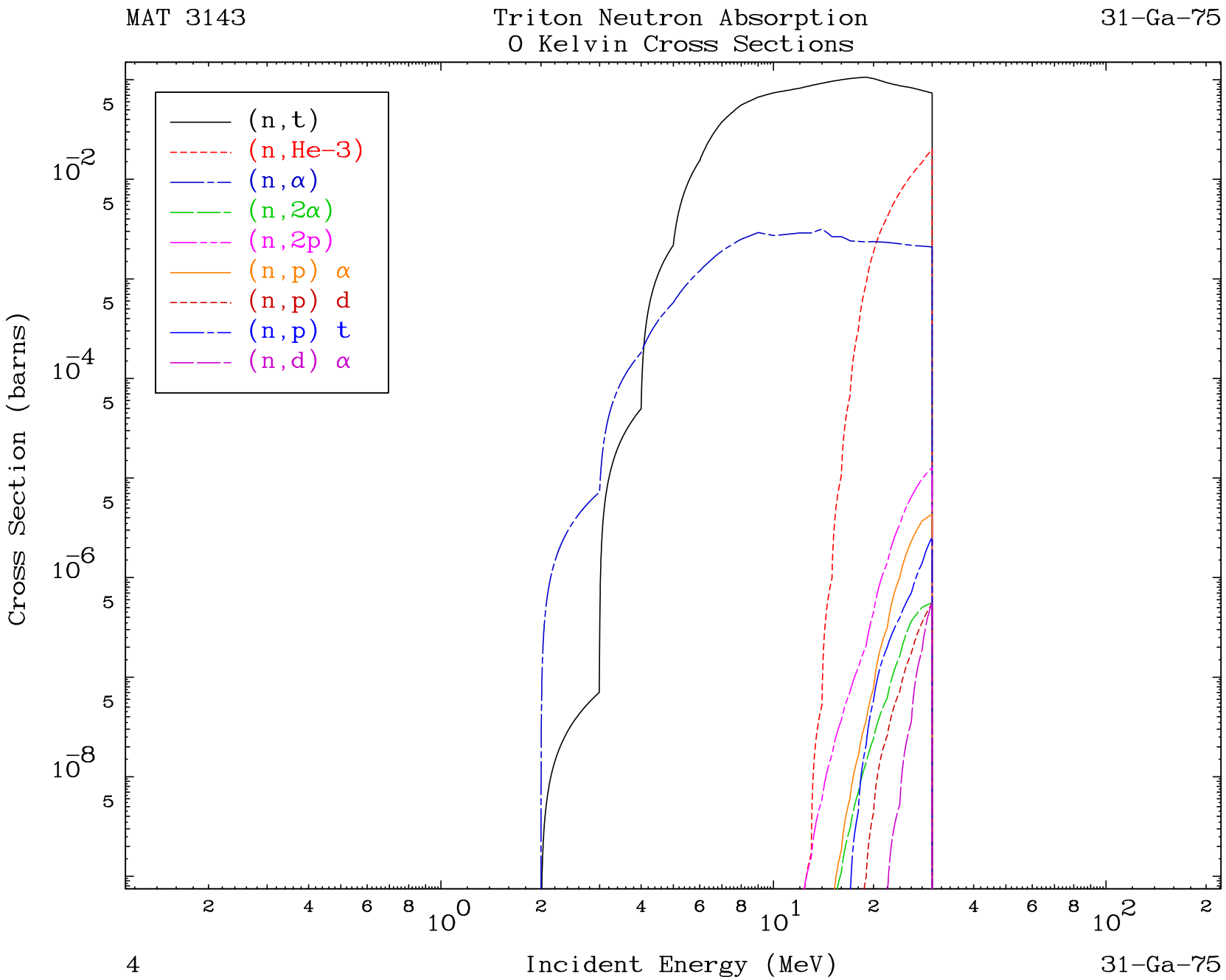
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

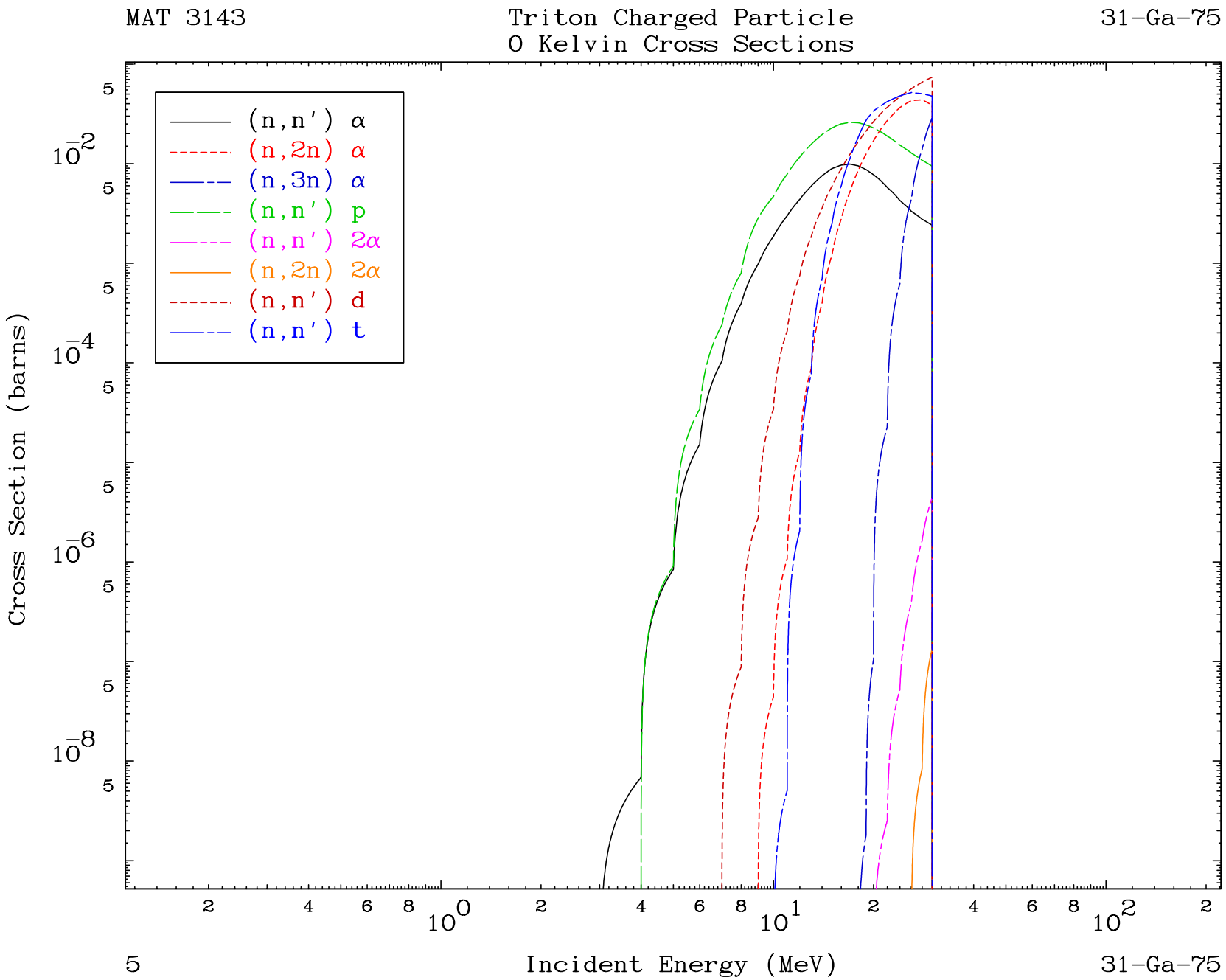
Press Mouse Button to Start

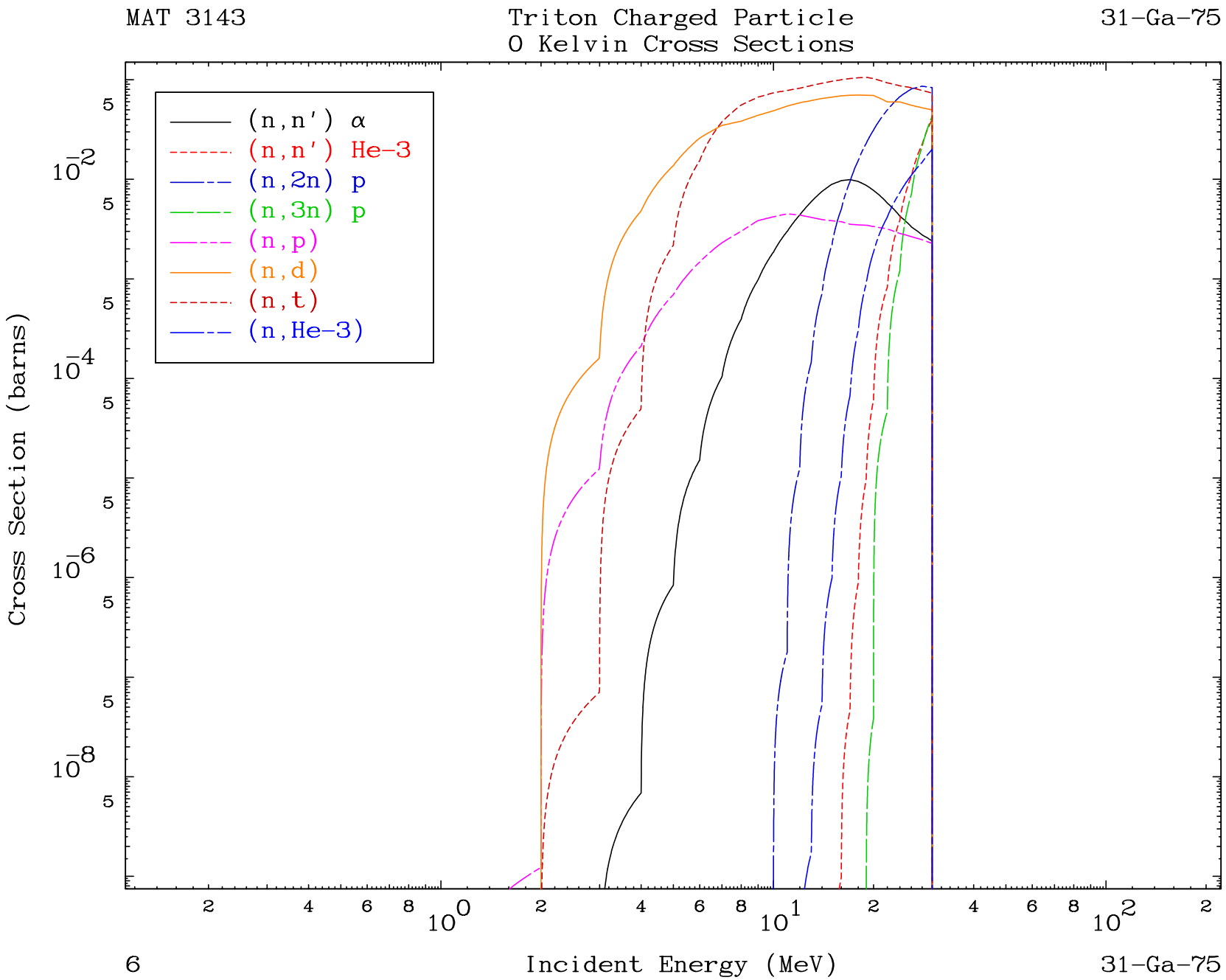

MAT 3143
Triton Major
31-Ga-75
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
31-Ga-75

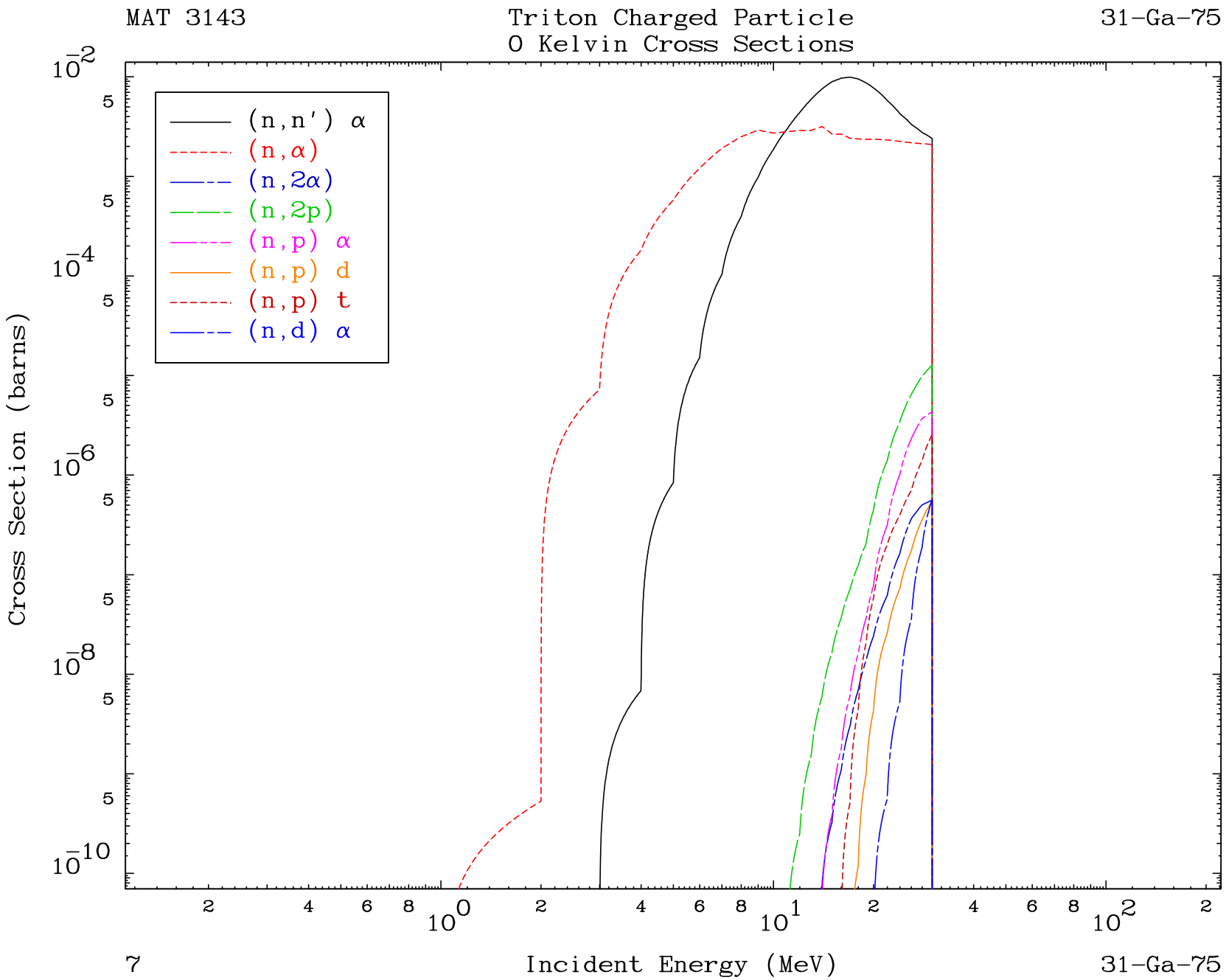

MAT 3143
Triton Neutron Absorption
0 Kelvin Cross Sections
31-Ga-75
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
2
31-Ga-75

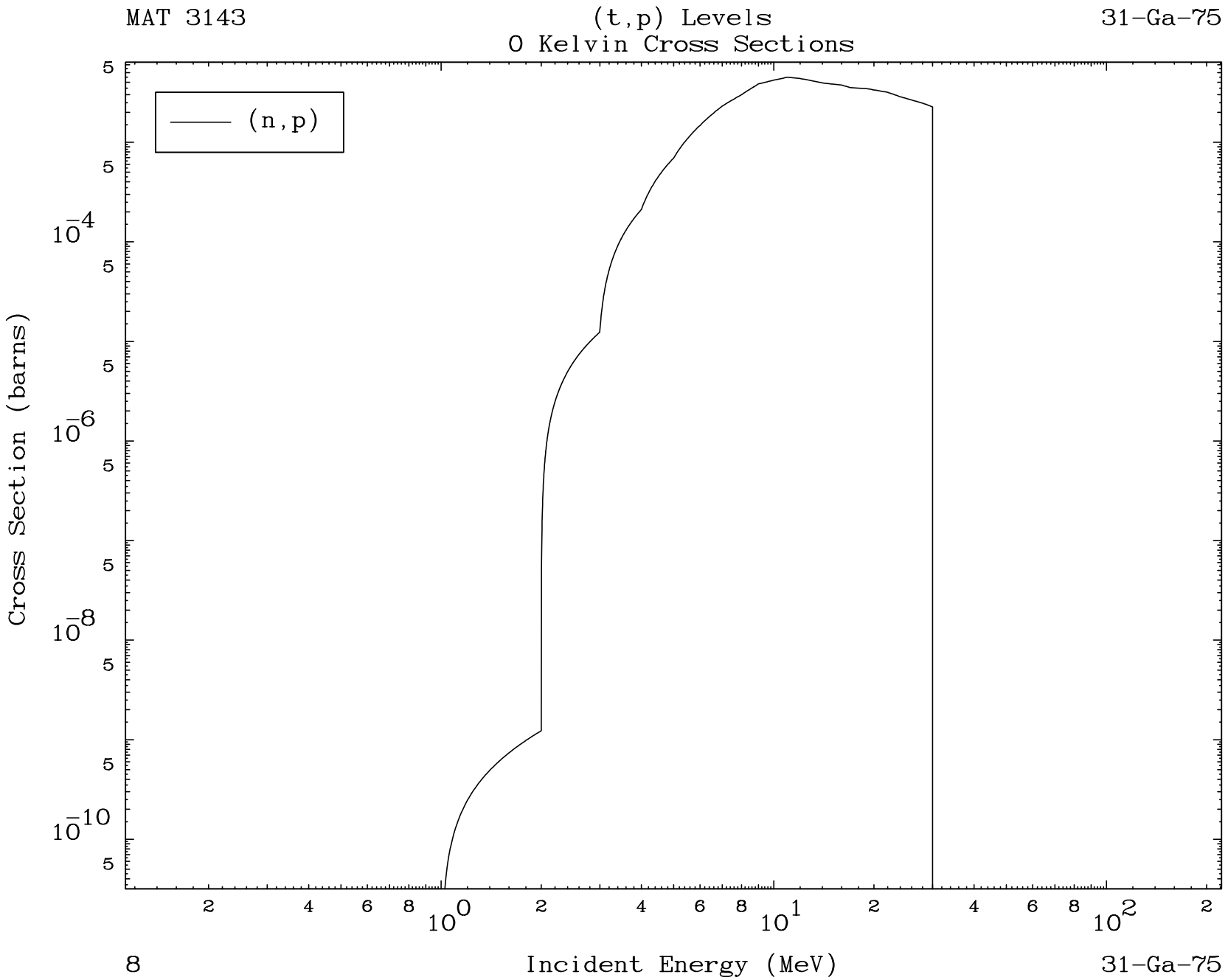

MAT 3143
Triton Neutron Absorption
0 Kelvin Cross Sections
31-Ga-75
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
31-Ga-75

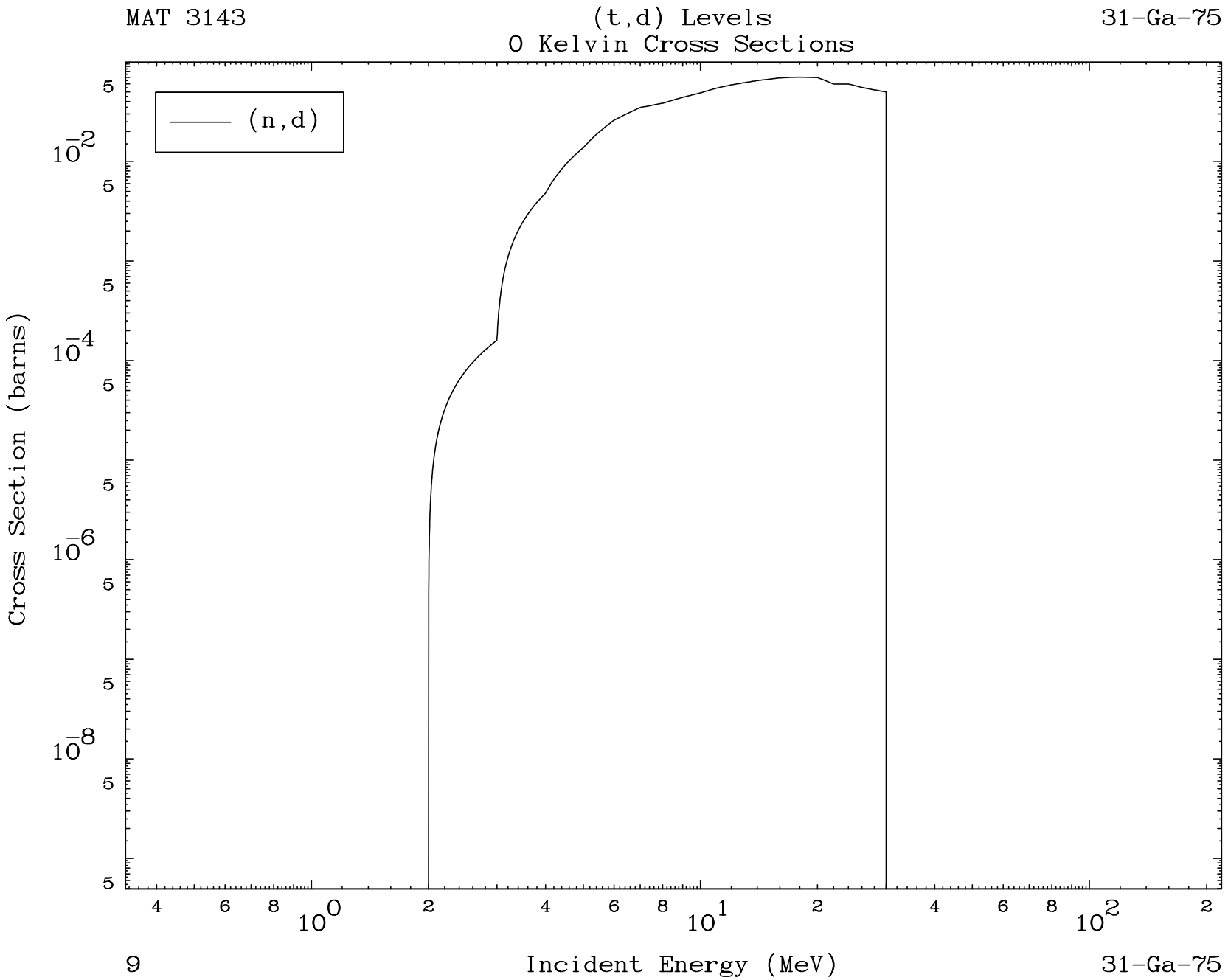

MAT 3143
Triton Neutron Absorption
0 Kelvin Cross Sections
31-Ga-75
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
31-Ga-75

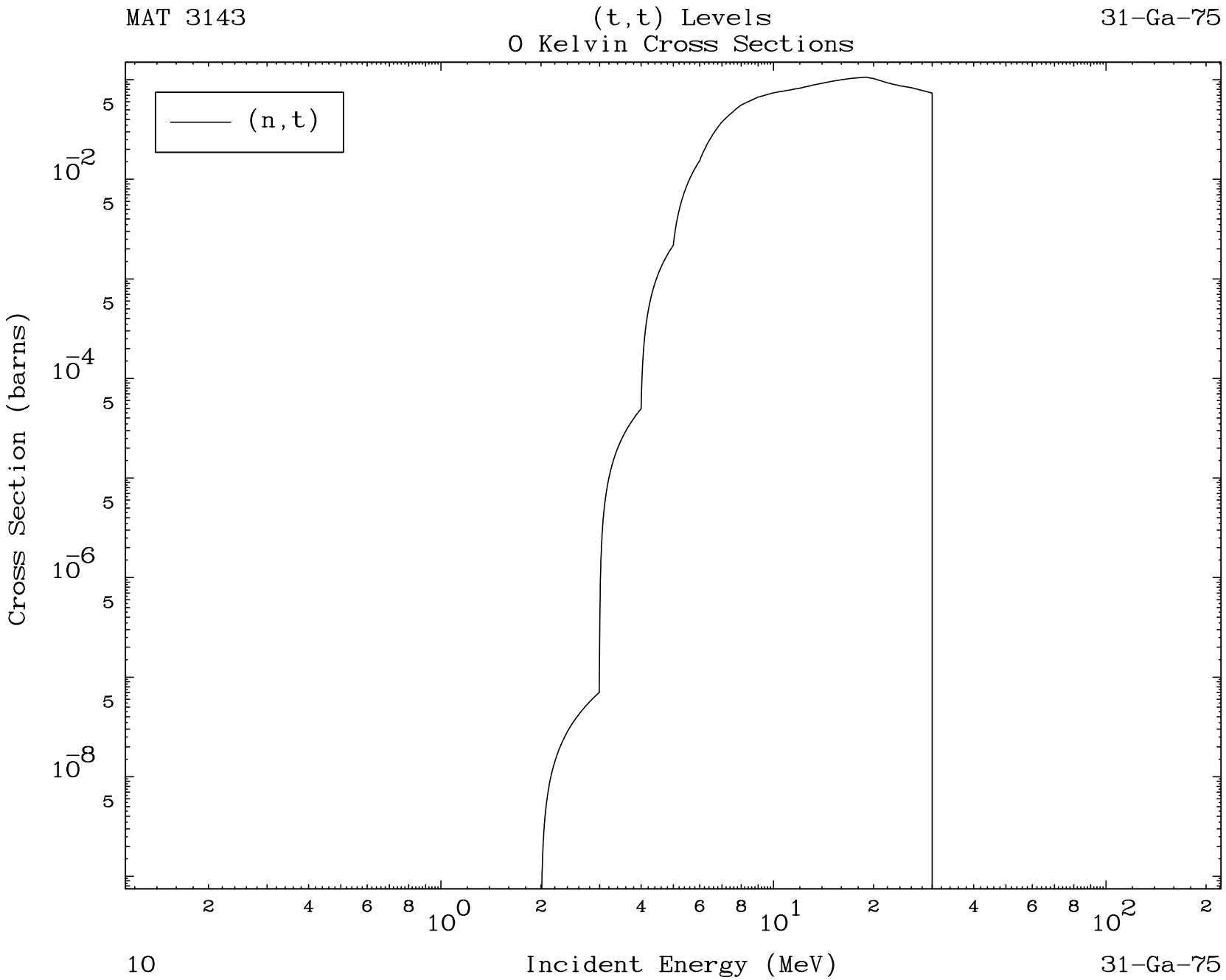

MAT 3143
Triton Charged Particle
0 Kelvin Cross Sections
31-Ga-75
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
5
31-Ga-75

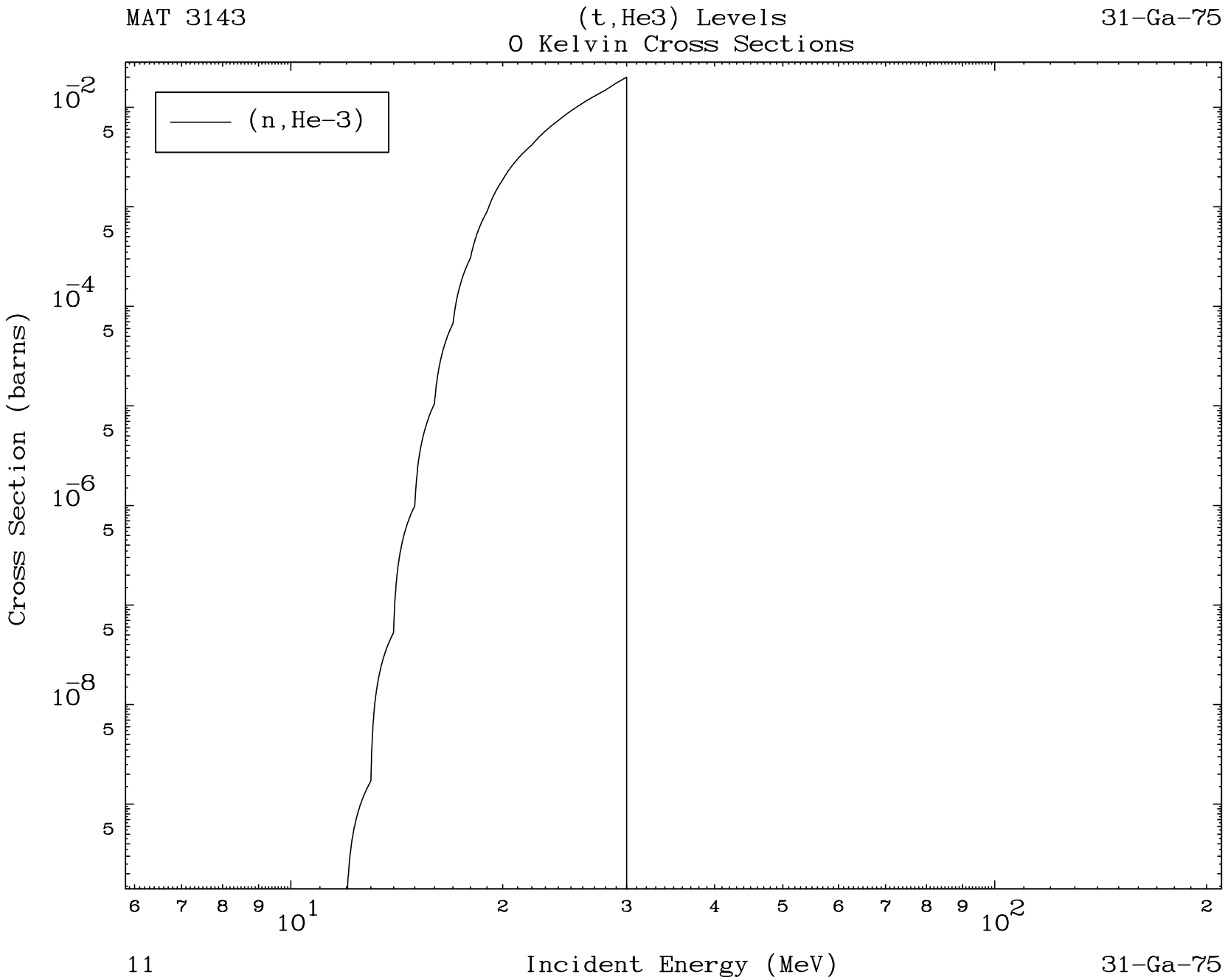

MAT 3143
Triton Charged Particle
0 Kelvin Cross Sections
31-Ga-75
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
31-Ga-75

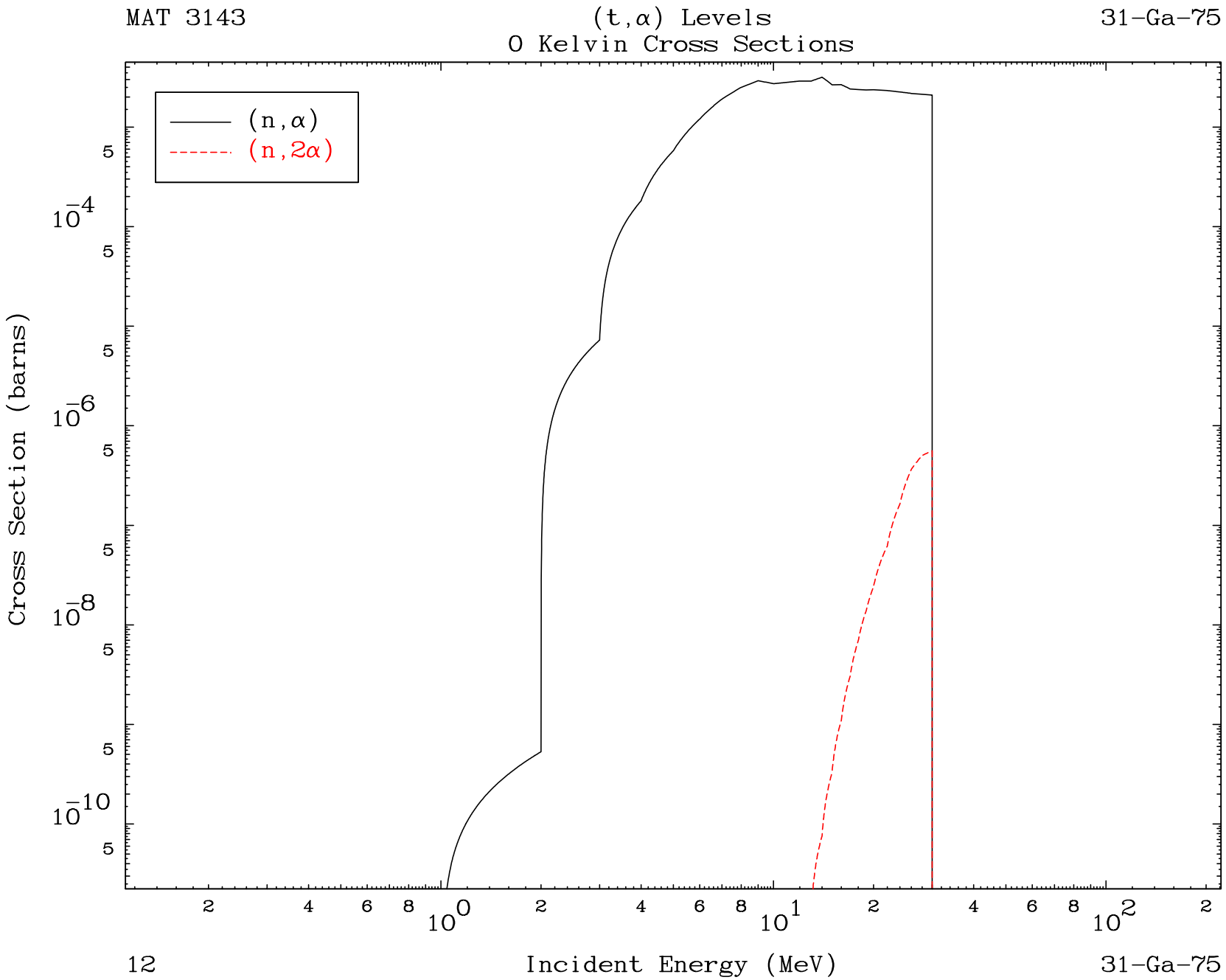

MAT 3143
Triton Charged Particle
0 Kelvin Cross Sections
31-Ga-75
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
31-Ga-75

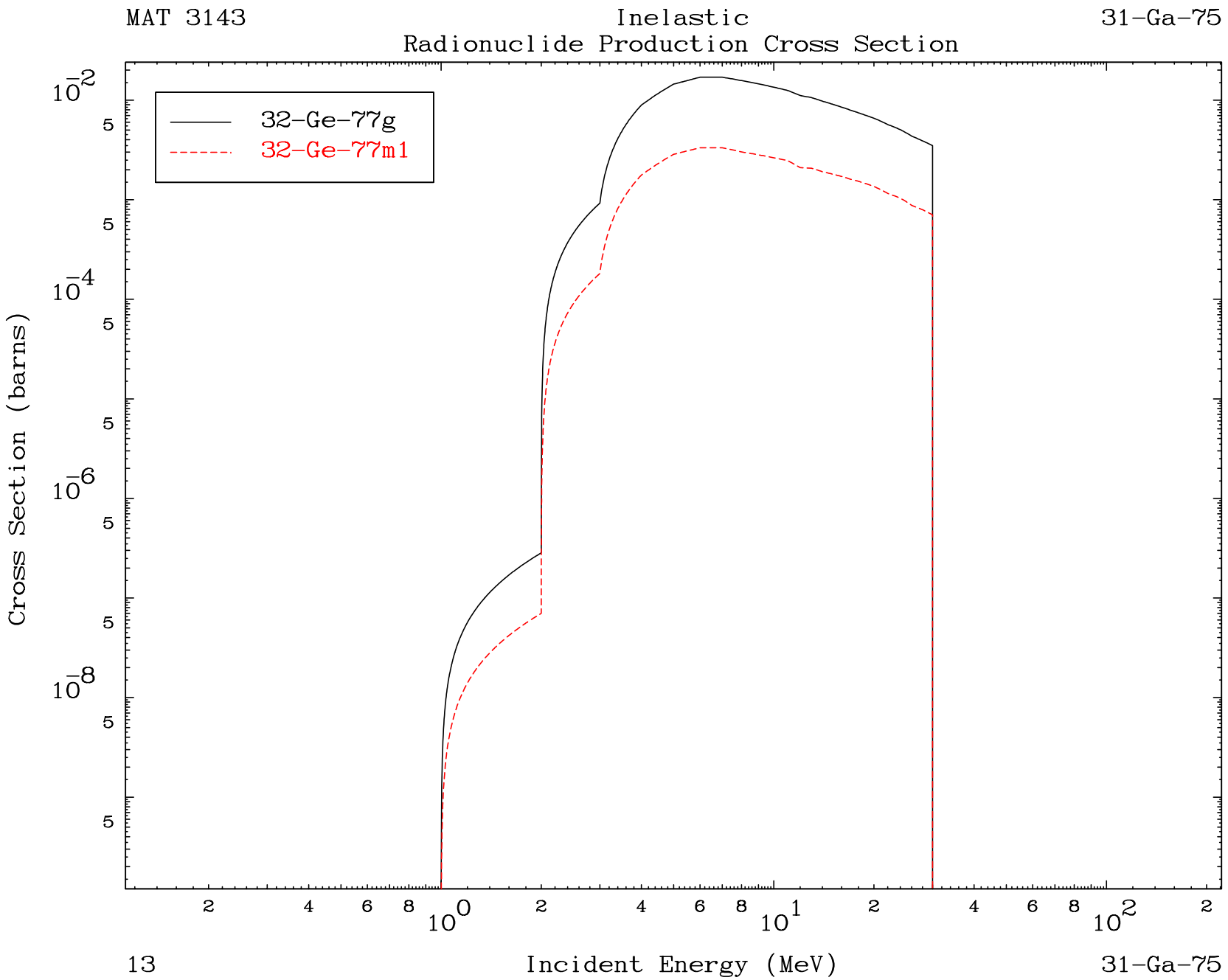

MAT 3143
(t,p) Levels
31-Ga-75
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
31-Ga-75

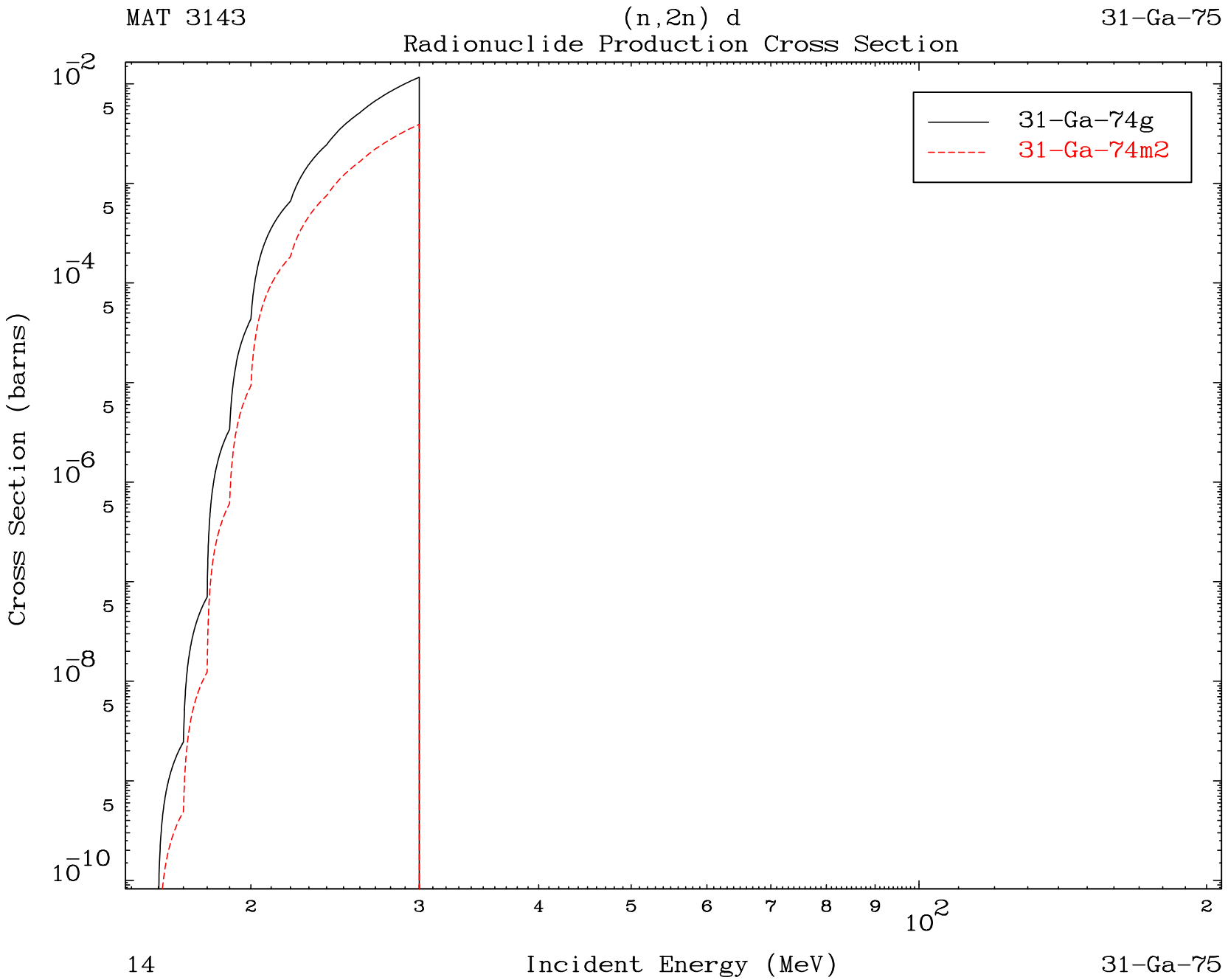

MAT 3143
(t,d) Levels
31-Ga-75
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
31-Ga-75

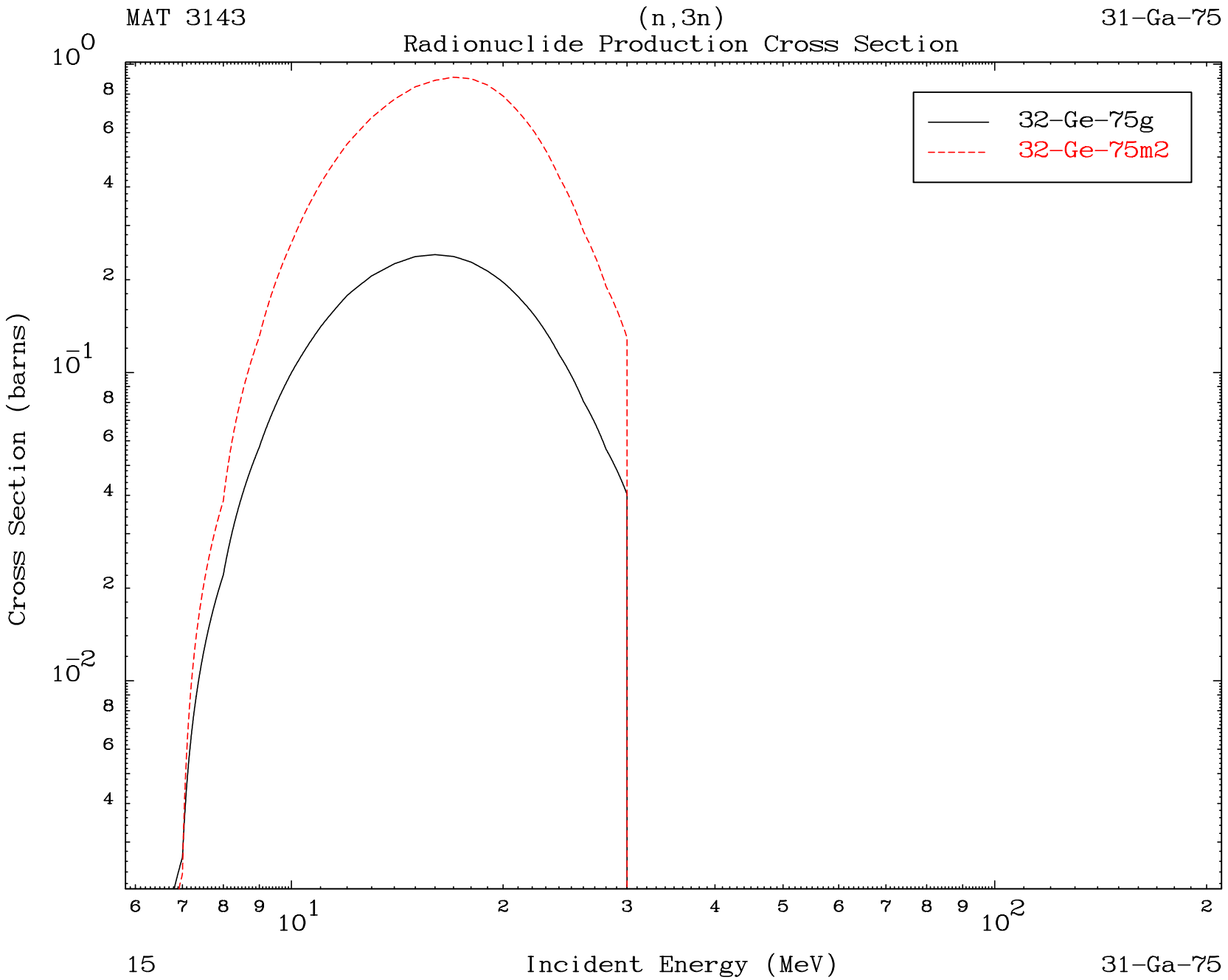

MAT 3143
(t,t) Levels
31-Ga-75
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
31-Ga-75
10

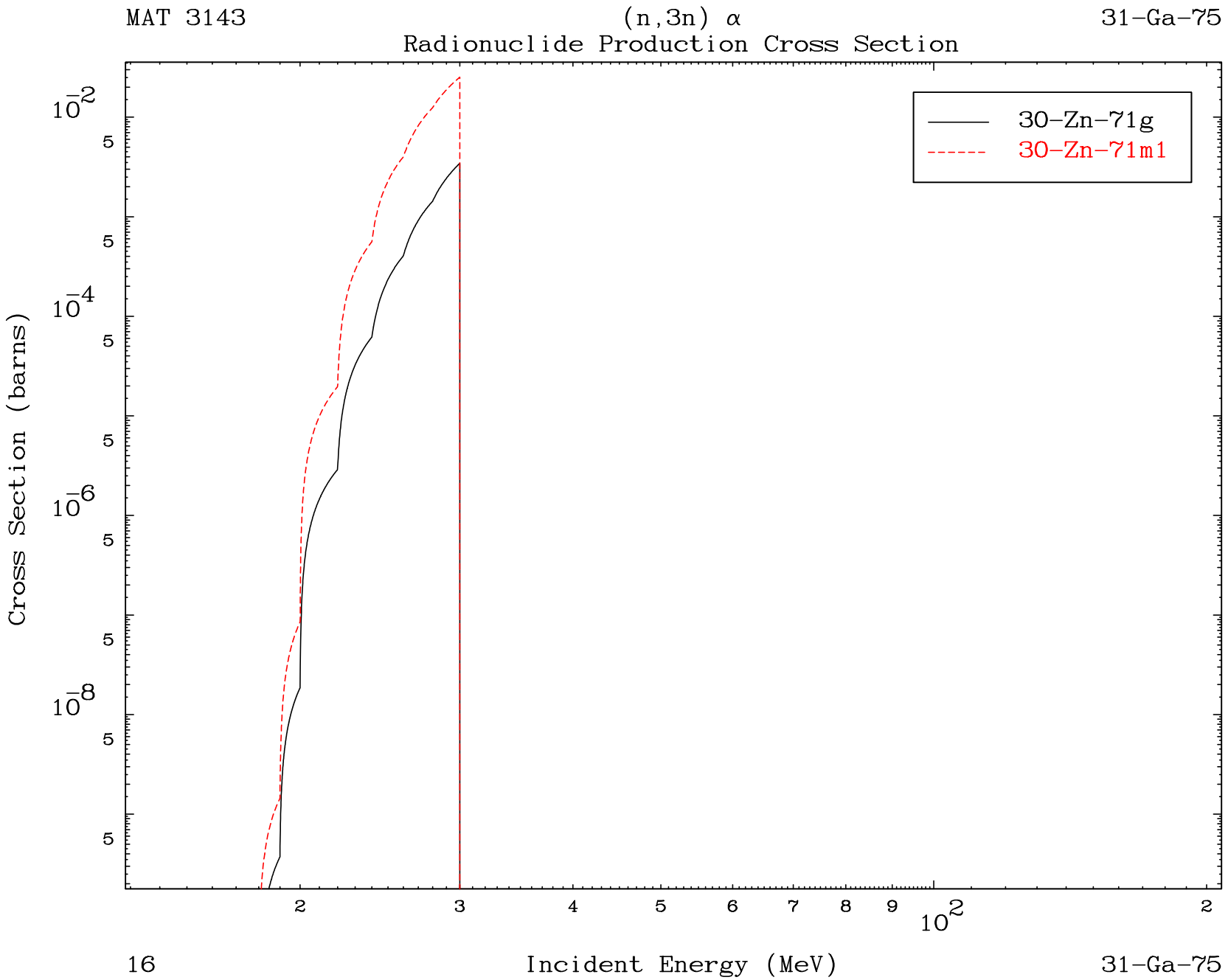

MAT 3143
(t,He3) Levels
31-Ga-75
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
11
31-Ga-75

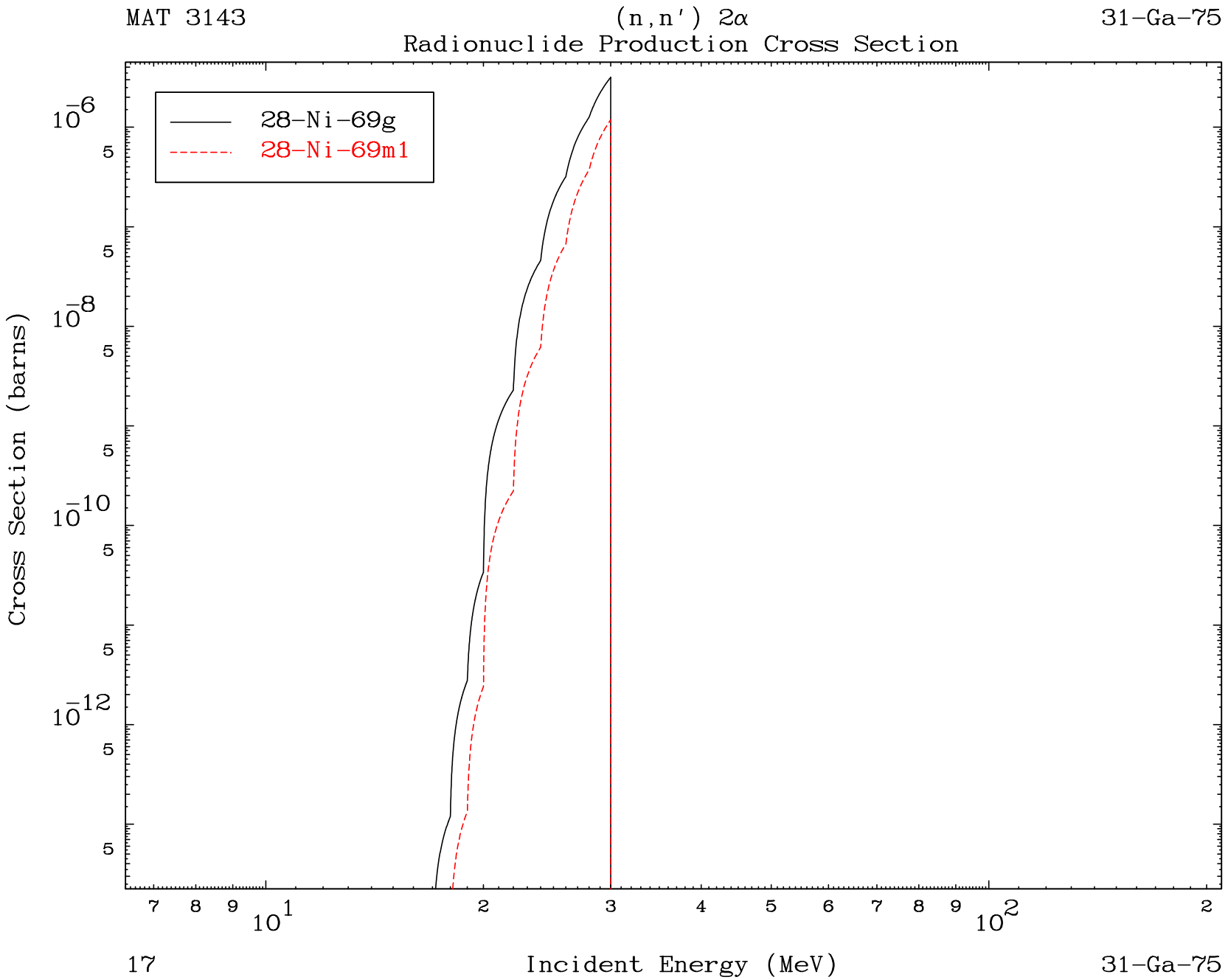

MAT 3143
(t,α) Levels
31-Ga-75
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
12
31-Ga-75

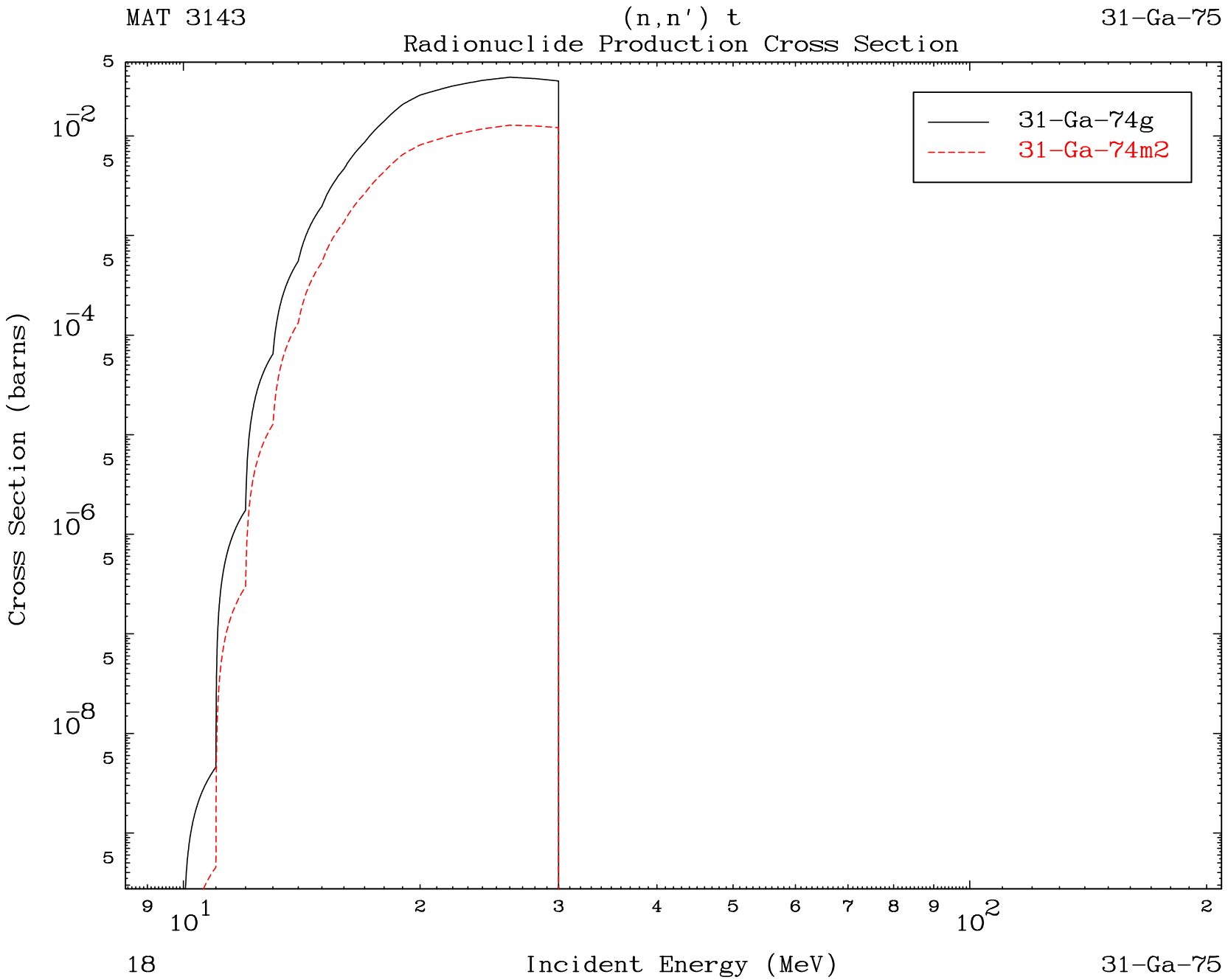

MAT 3143
Inelastic
31-Ga-75
Radionuclide Production Cross Section
32-Ge-77g
32-Ge-77m1
Cross Section (barns)
Incident Energy (MeV)
13
31-Ga-75

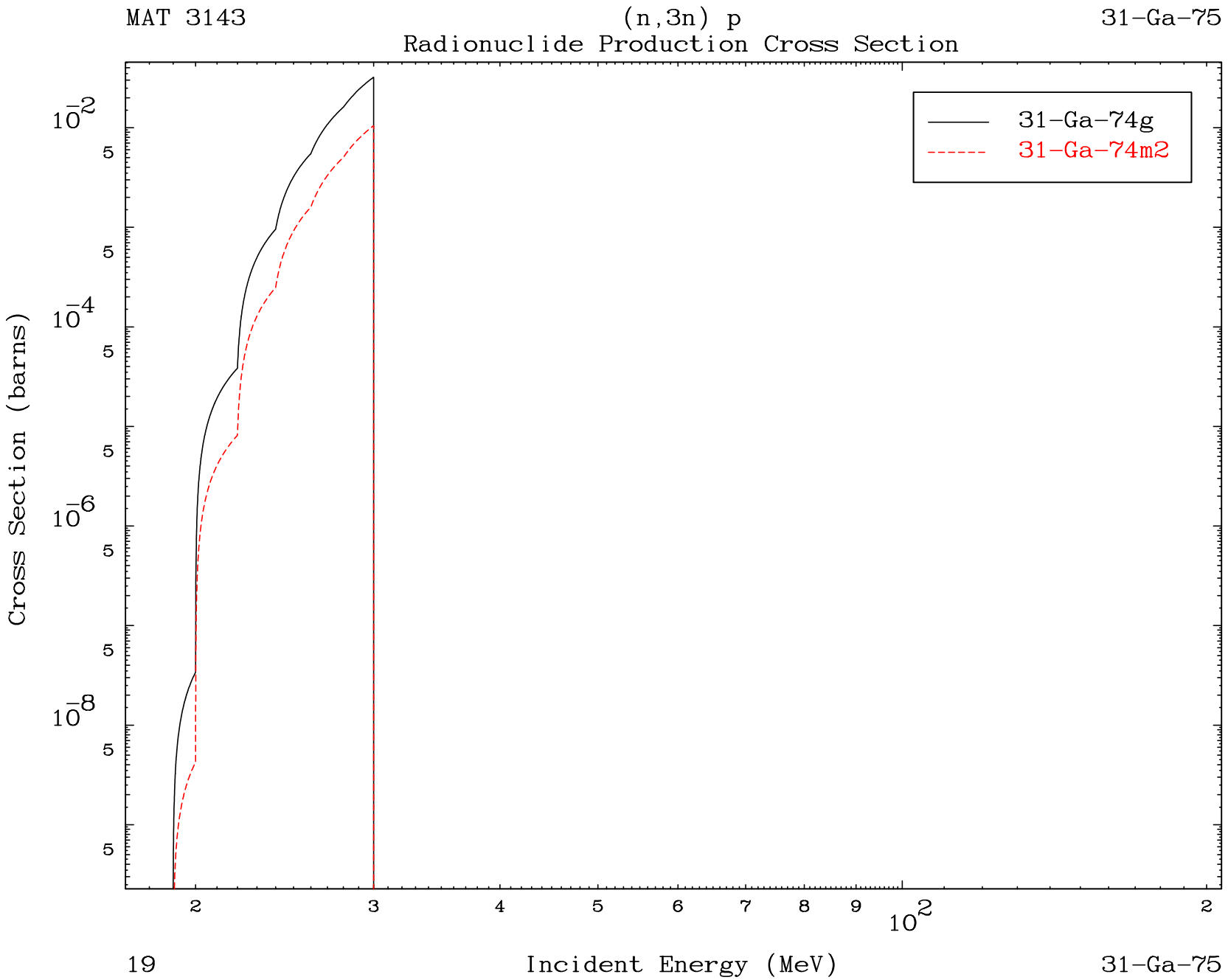

MAT 3143
(n,2n) d
31-Ga-75
Radionuclide Production Cross Section
31-Ga-74g
31-Ga-74m2
Cross Section (barns)
Incident Energy (MeV)
14
31-Ga-75


MAT 3143
(n,3n)
31-Ga-75
Radionuclide Production Cross Section
32-Ge-75g
32-Ge-75m2
Cross Section (barns)
Incident Energy (MeV)
15
31-Ga-75


MAT 3143
(n,3n) α
31-Ga-75
Radionuclide Production Cross Section
30-Zn-71g
30-Zn-71m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
31-Ga-75


MAT 3143
(n,n') 2α
31-Ga-75
Radionuclide Production Cross Section
28-Ni-69g
28-Ni-69m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
17
Incident Energy (MeV)
31-Ga-75


MAT 3143
(n,n') t
31-Ga-75
Radionuclide Production Cross Section
31-Ga-74g
31-Ga-74m2
Cross Section (barns)
Incident Energy (MeV)
18
31-Ga-75


MAT 3143
(n,3n) p
31-Ga-75
Radionuclide Production Cross Section
31-Ga-74g
31-Ga-74m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
31-Ga-75