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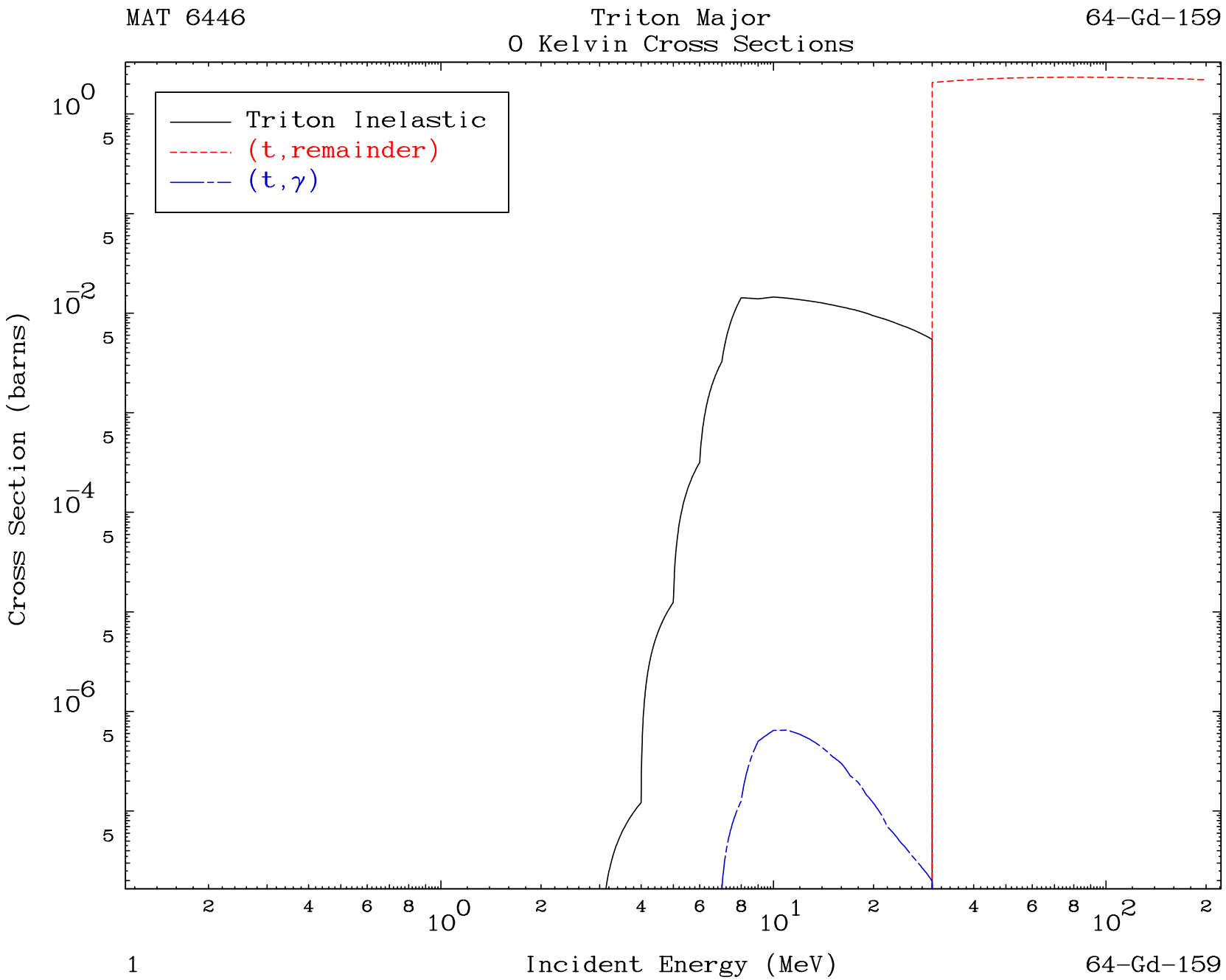
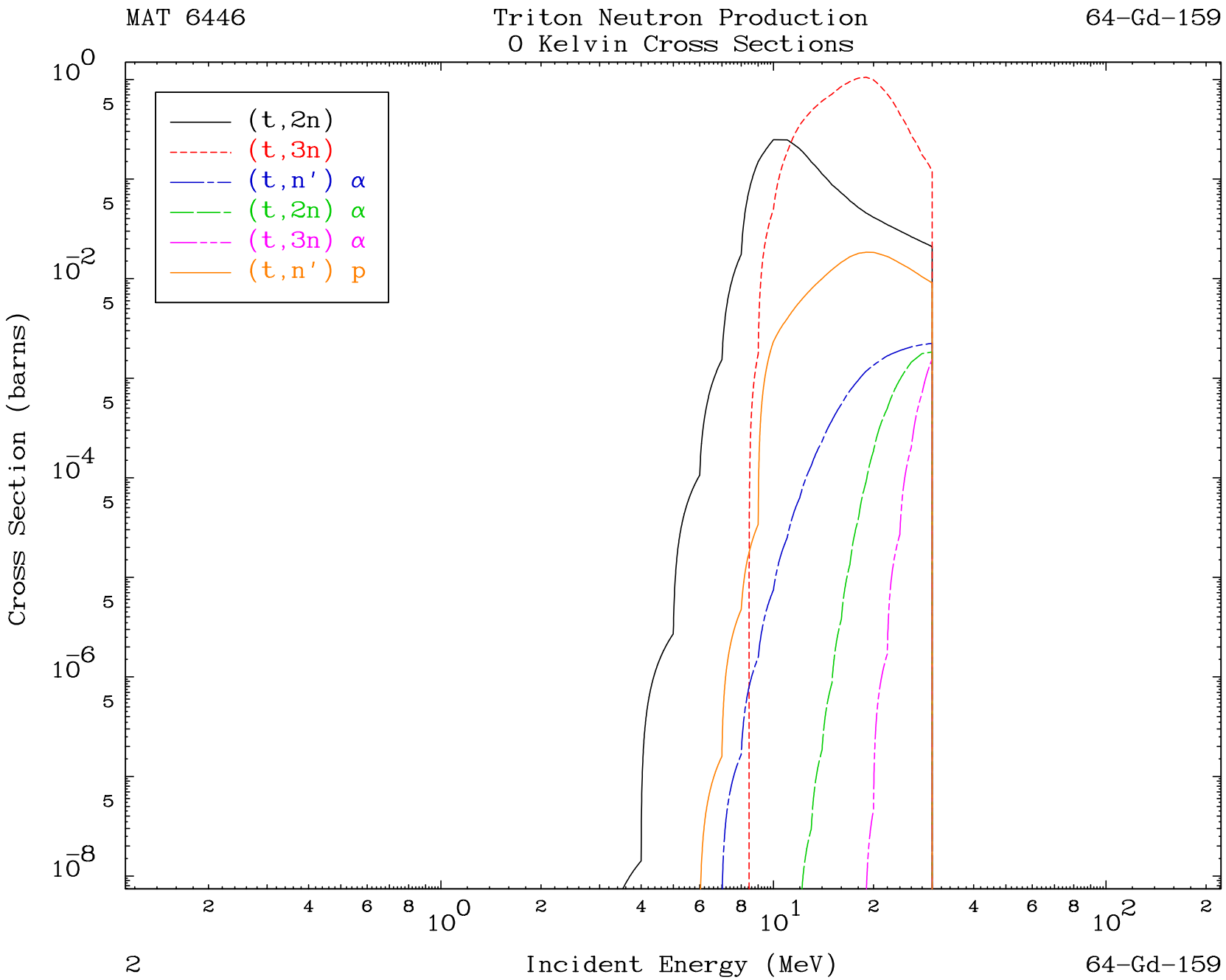
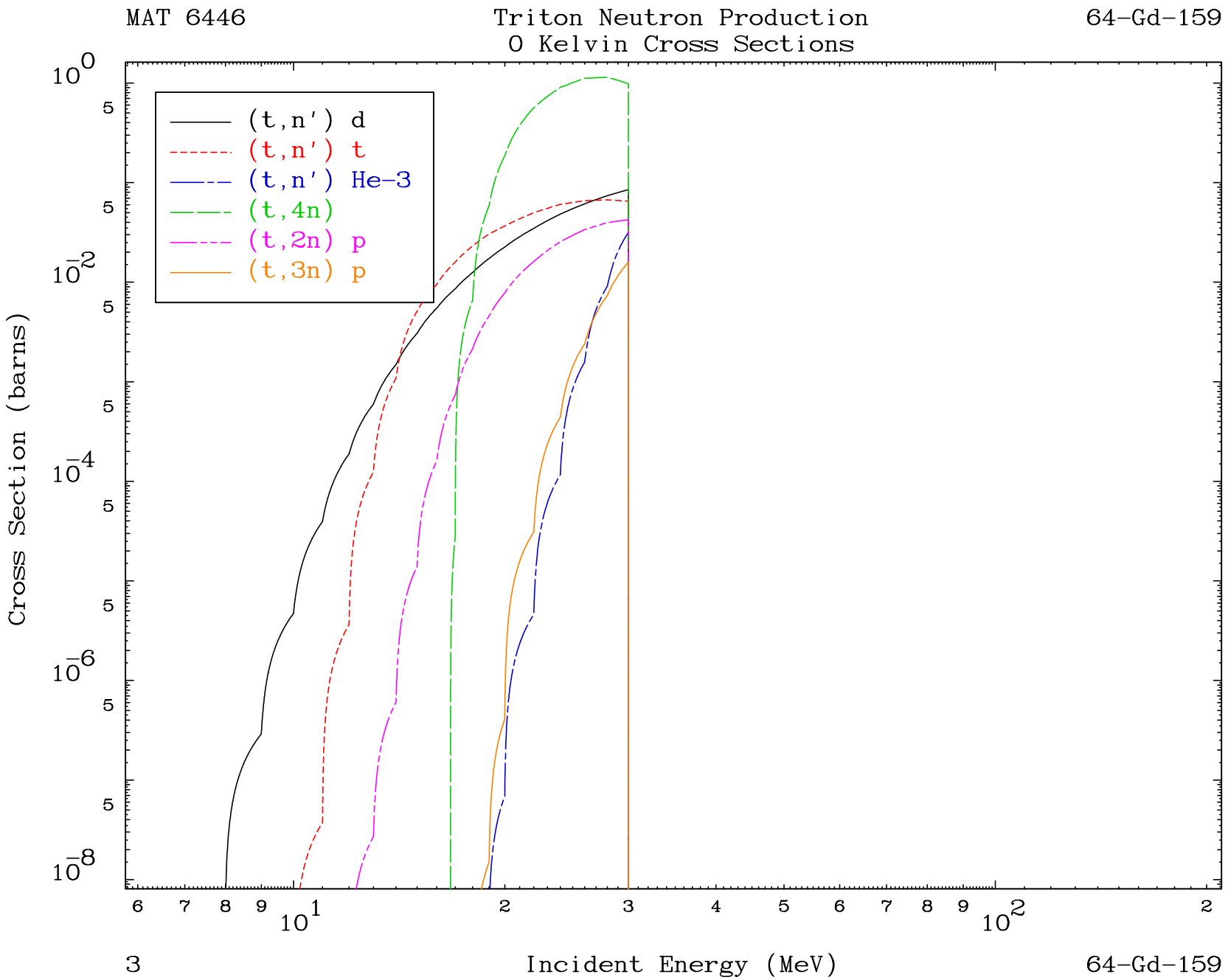
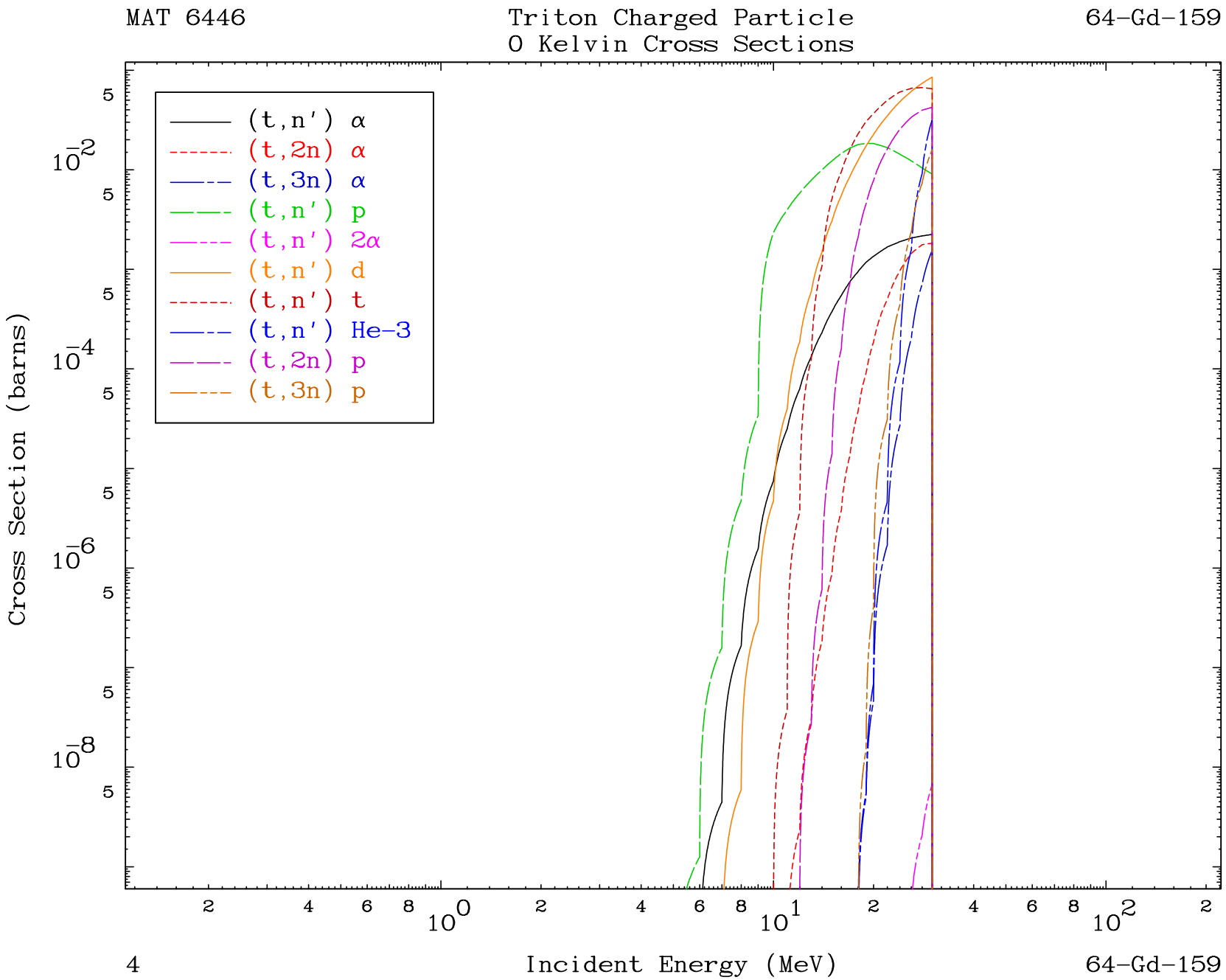
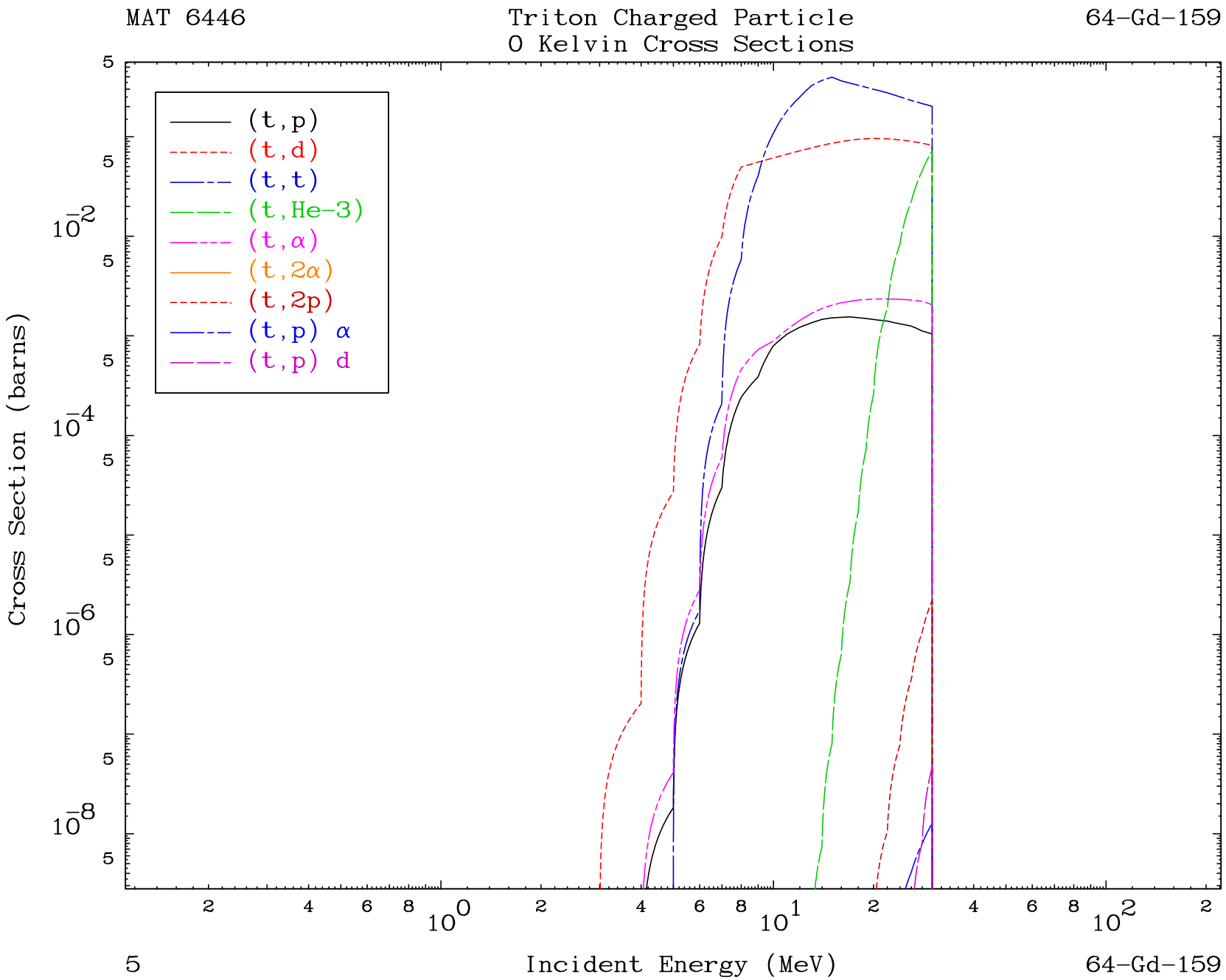
Press Mouse Button to Start

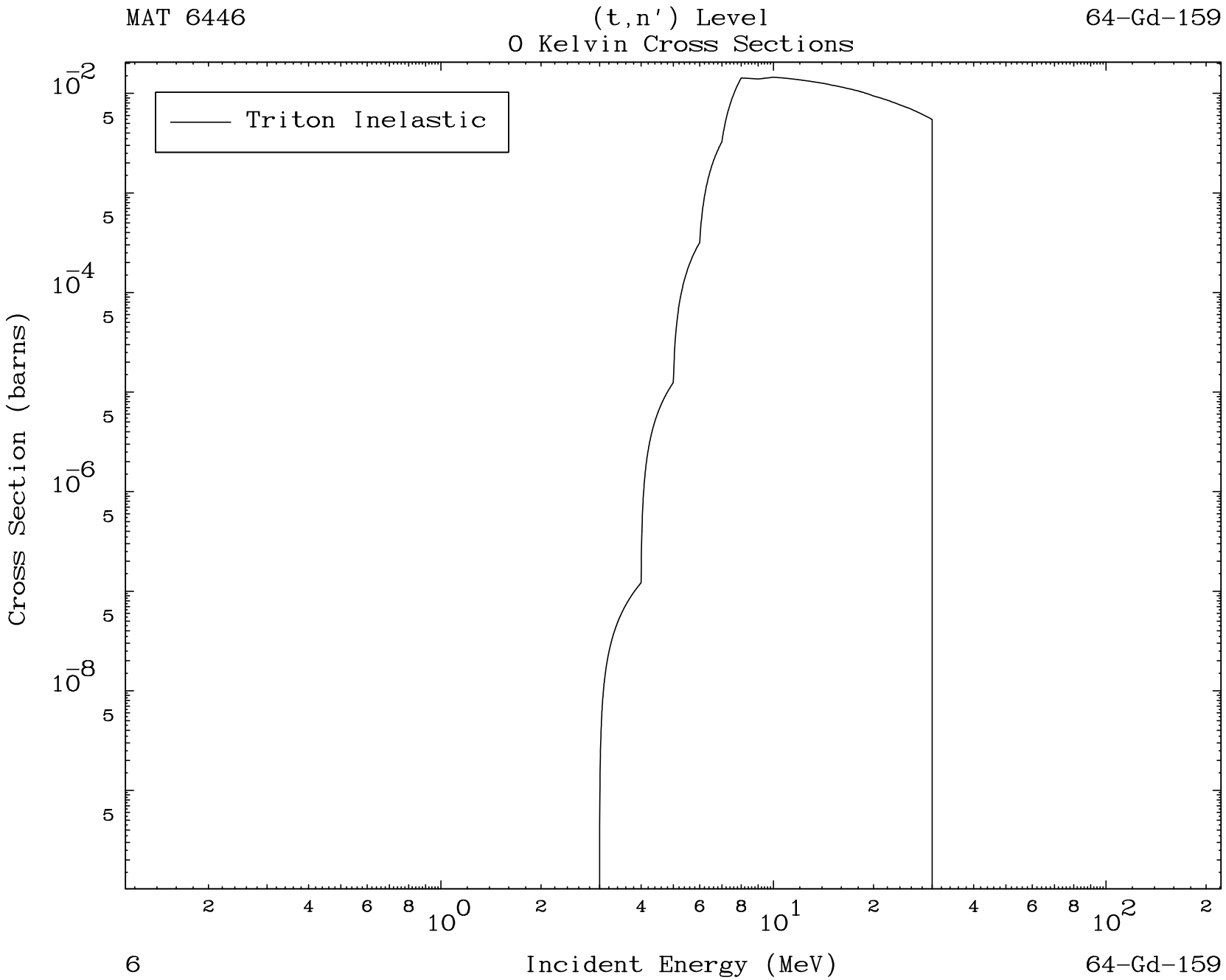

MAT 6446
Triton Major
64-Gd-159
0 Kelvin Cross Sections
Triton Inelastic
(t,remainder)
(t,γ)
Cross Section (barns)
Incident Energy (MeV)
64-Gd-159
1

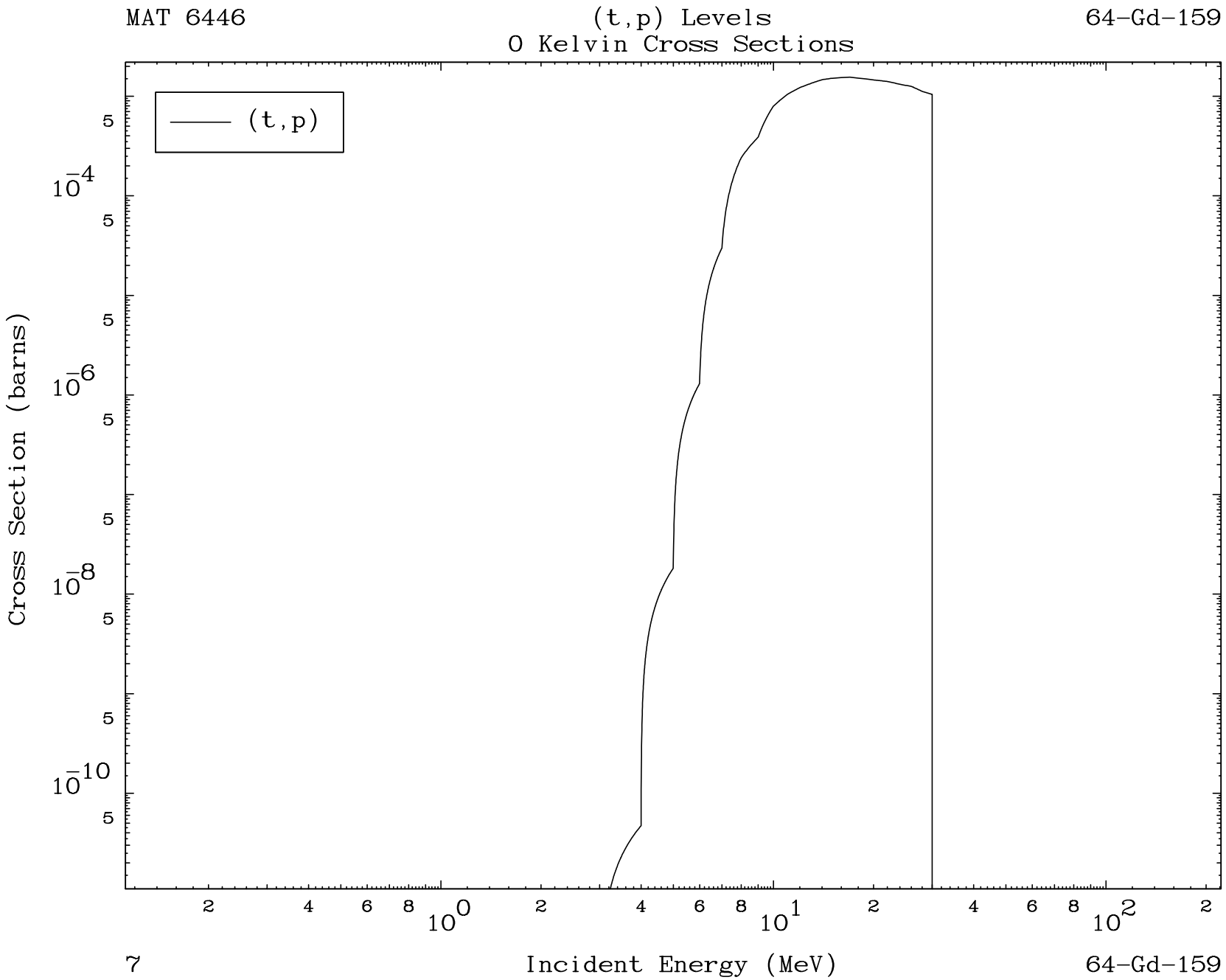

MAT 6446
Triton Neutron Production
0 Kelvin Cross Sections
64-Gd-159
(t,2n)
(t,3n)
(t,n') α
(t,2n) α
(t,3n) α
(t,n') p
Cross Section (barns)
Incident Energy (MeV)
64-Gd-159
2

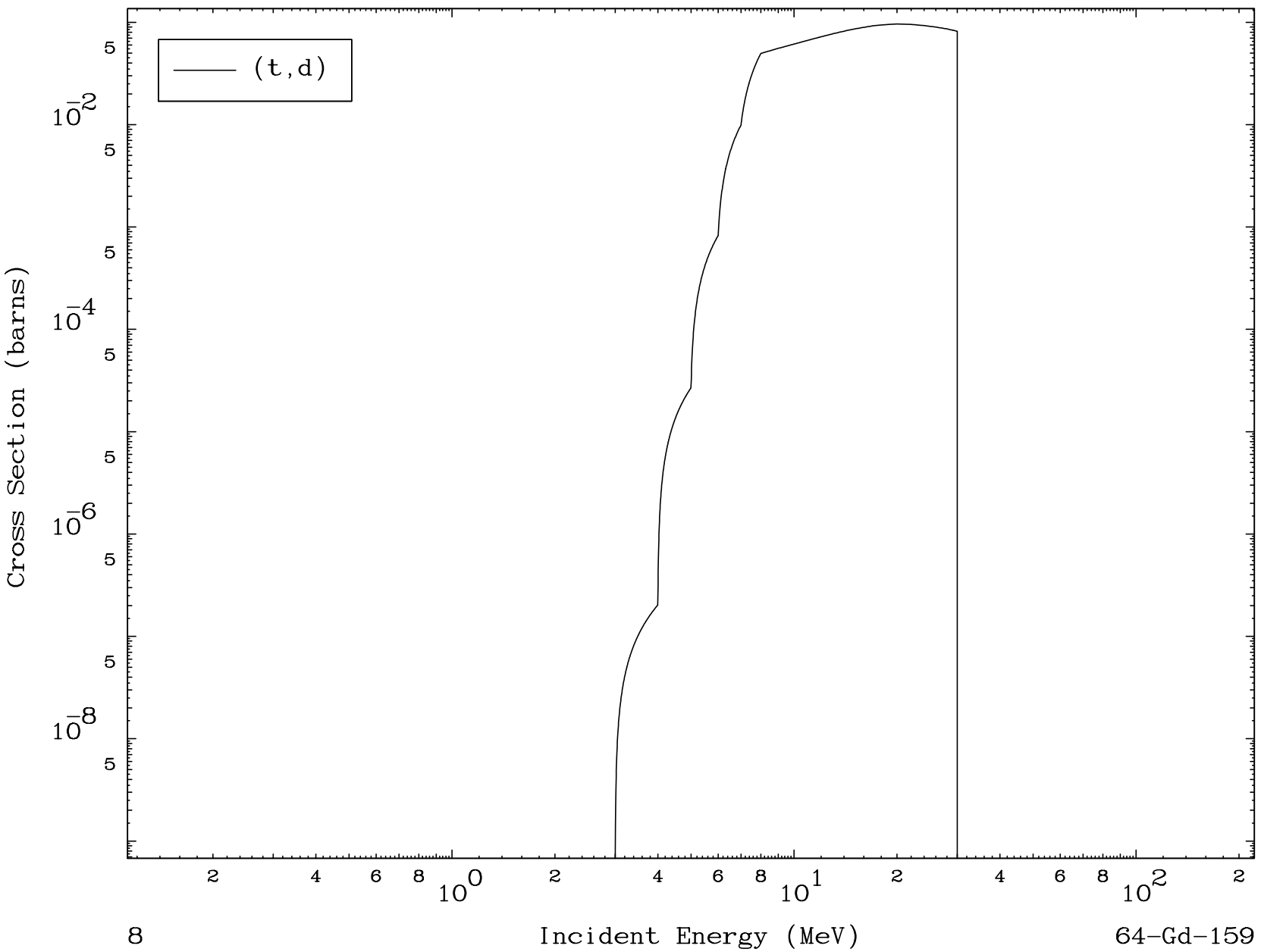

MAT 6446
Triton Neutron Production
0 Kelvin Cross Sections
64-Gd-159
(t,n') d
(t,n') t
(t,n') He-3
(t,4n)
(t,2n) p
(t,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
64-Gd-159

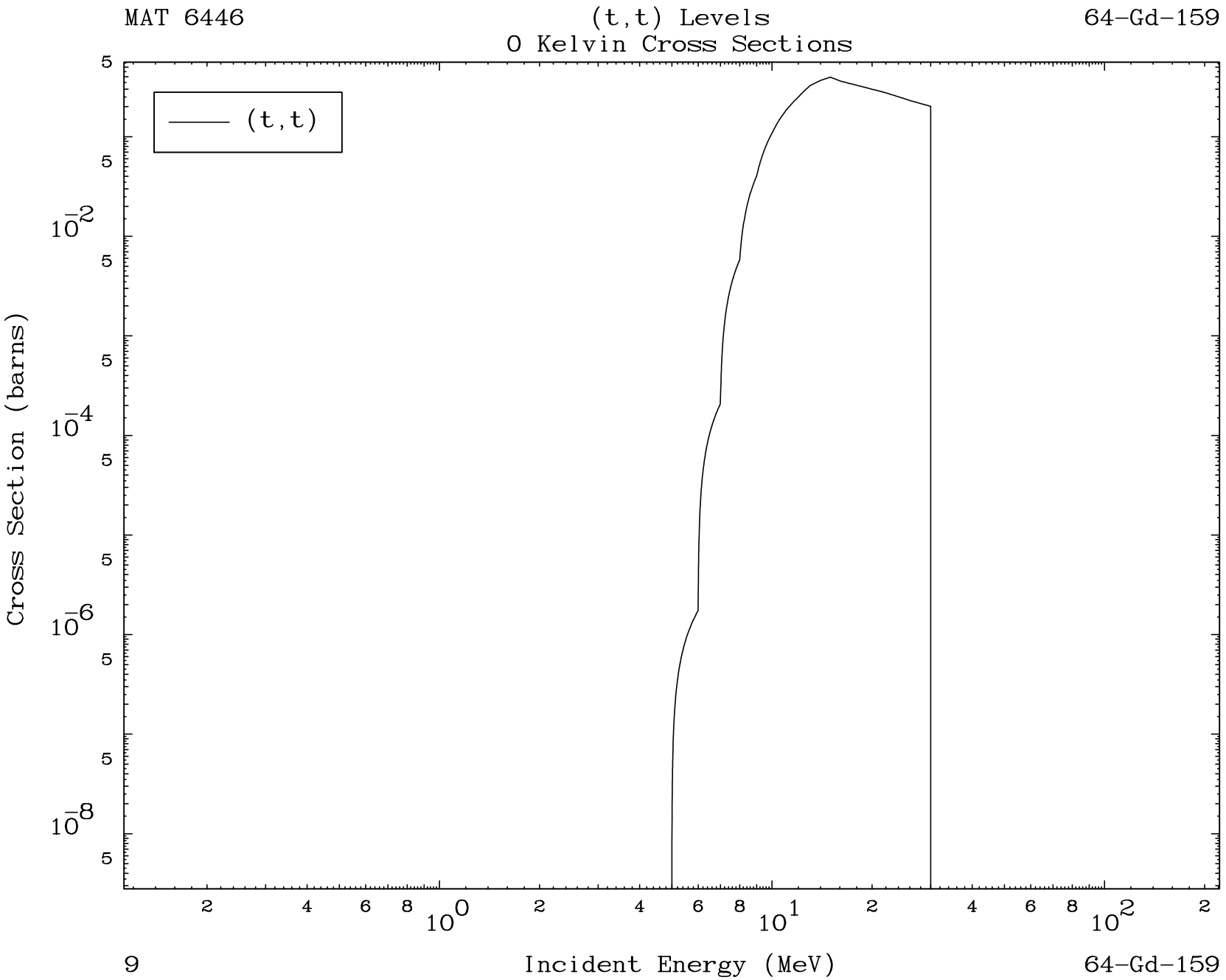

MAT 6446
Triton Charged Particle
0 Kelvin Cross Sections
64-Gd-159
(t,n') α
(t,2n) α
(t,3n) α
(t,n') p
(t,n') 2α
(t,n') d
(t,n') t
(t,n') He-3
(t,2n) p
(t,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
64-Gd-159

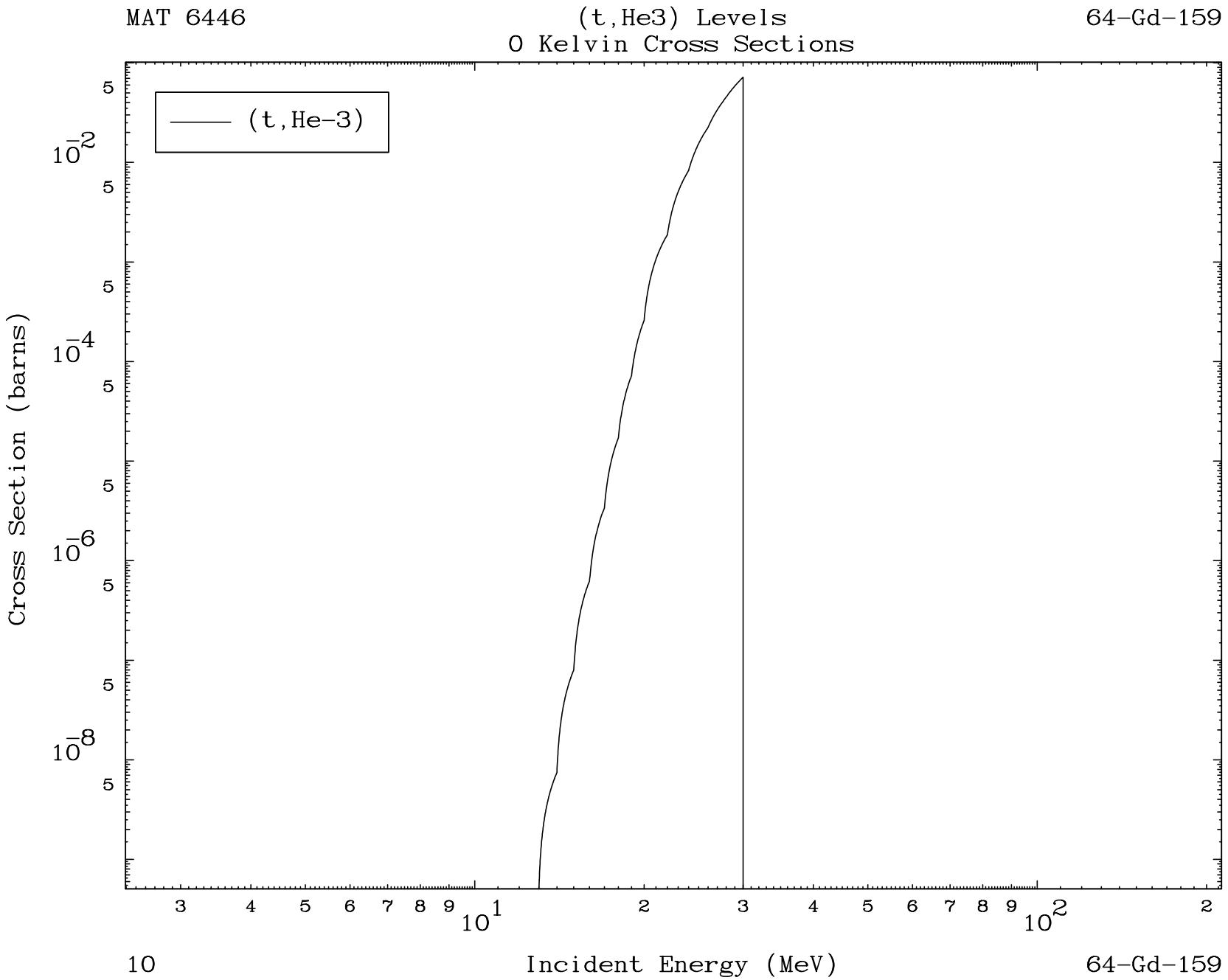

MAT 6446
Triton Charged Particle
0 Kelvin Cross Sections
64-Gd-159
(t,p)
(t,d)
(t,t)
(t,He-3)
(t,α)
(t,2α)
(t,2p)
(t,p) α
(t,p) d
Cross Section (barns)
Incident Energy (MeV)
64-Gd-159

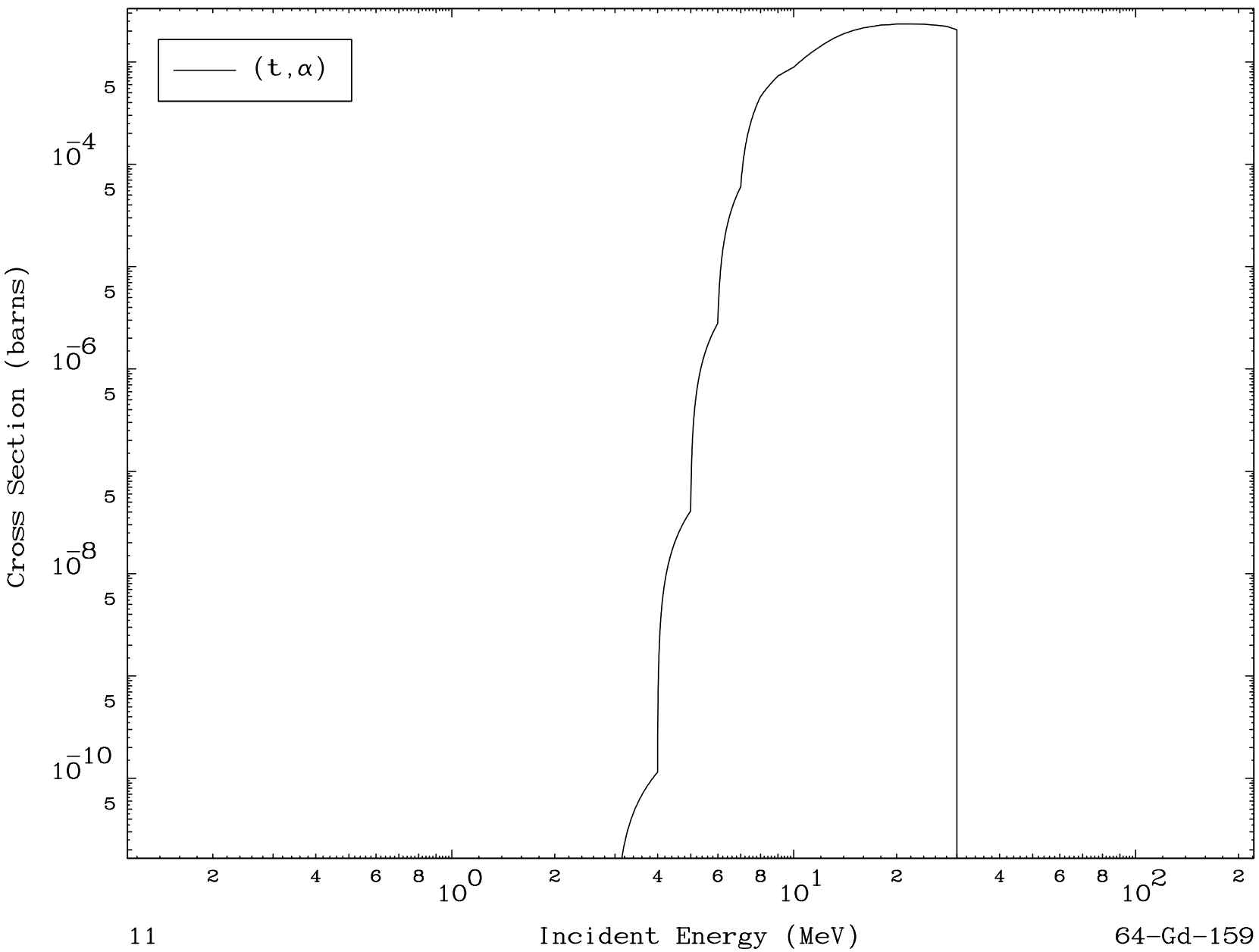

MAT 6446
(t,n') Level
64-Gd-159
0 Kelvin Cross Sections
Triton Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
64-Gd-159

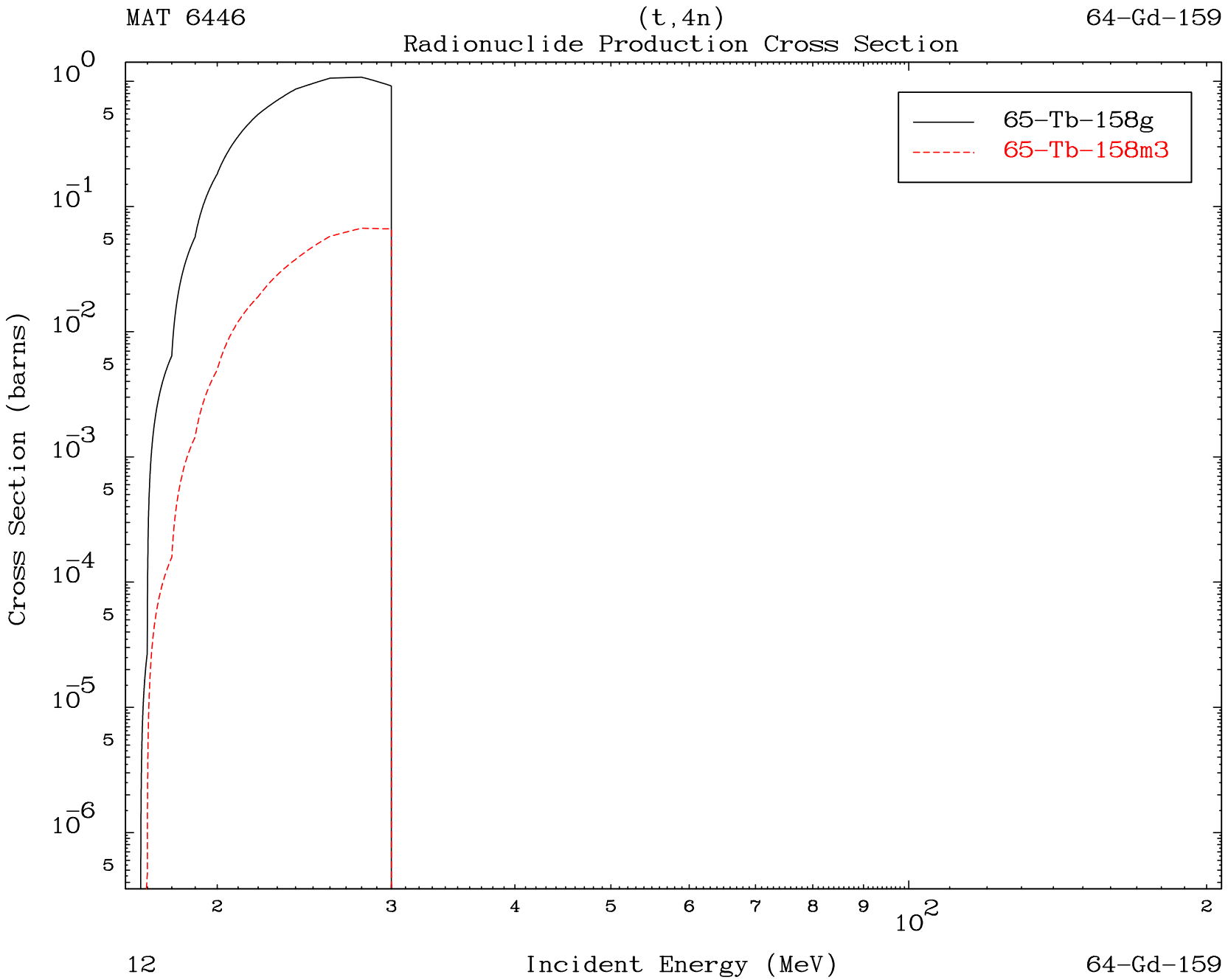

MAT 6446
(t,p) Levels
64-Gd-159
0 Kelvin Cross Sections
(t,p)
Cross Section (barns)
Incident Energy (MeV)
7
64-Gd-159

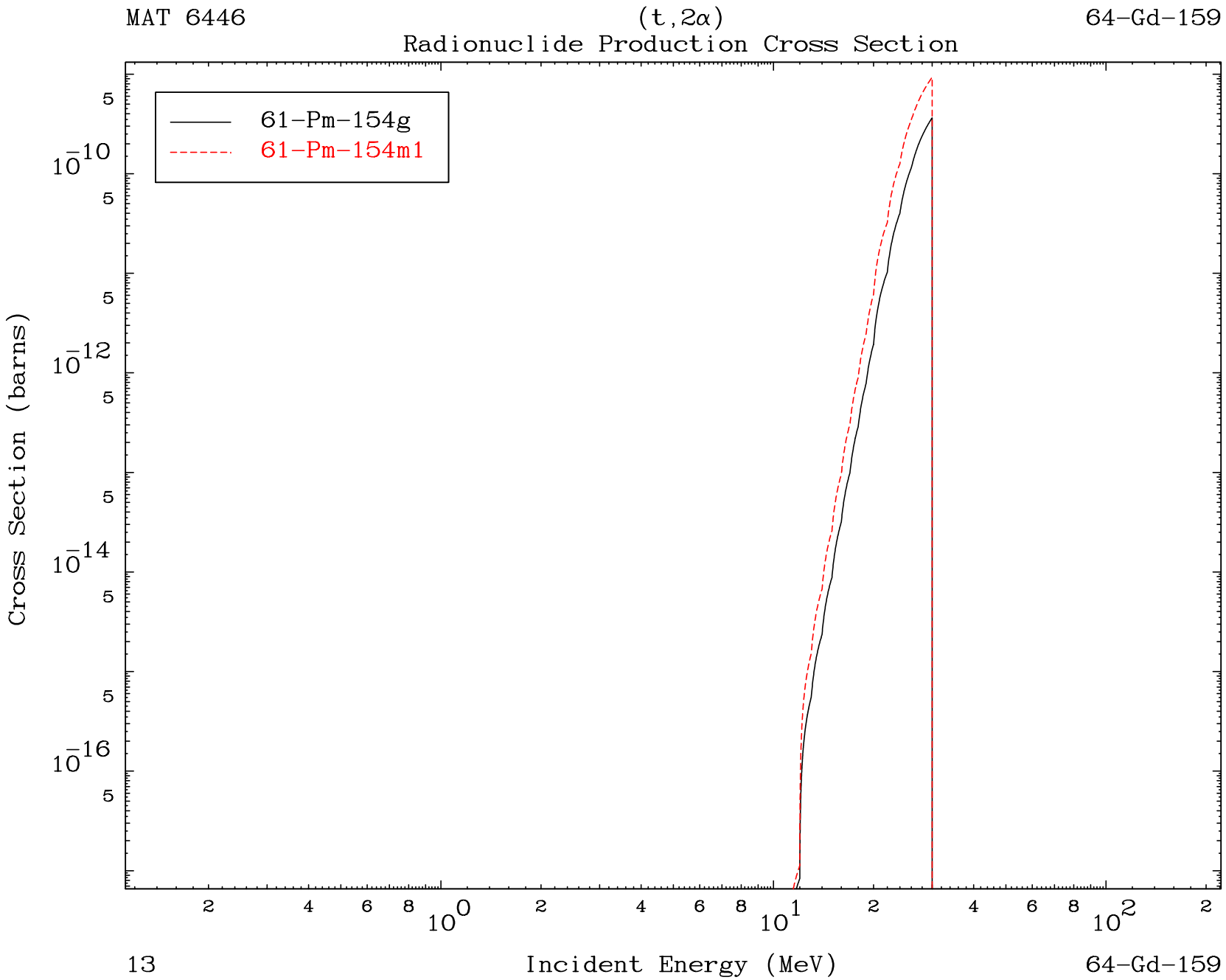

0 Kelvin Cross Sections
(t,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)


MAT 6446
(t,t) Levels
64-Gd-159
0 Kelvin Cross Sections
(t,t)
Cross Section (barns)
Incident Energy (MeV)
9
64-Gd-159


MAT 6446
(t,He3) Levels
64-Gd-159
0 Kelvin Cross Sections
(t,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
64-Gd-159


0 Kelvin Cross Sections
(t,α)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
4
6
8
100
101
102
Incident Energy (MeV)


MAT 6446
(t,4n)
64-Gd-159
Radionuclide Production Cross Section
65-Tb-158g
65-Tb-158m3
Cross Section (barns)
Incident Energy (MeV)
12
64-Gd-159


MAT 6446
(t,2α)
64-Gd-159
Radionuclide Production Cross Section
61-Pm-154g
61-Pm-154m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
10^0
10^1
10^2
Incident Energy (MeV)
13
64-Gd-159