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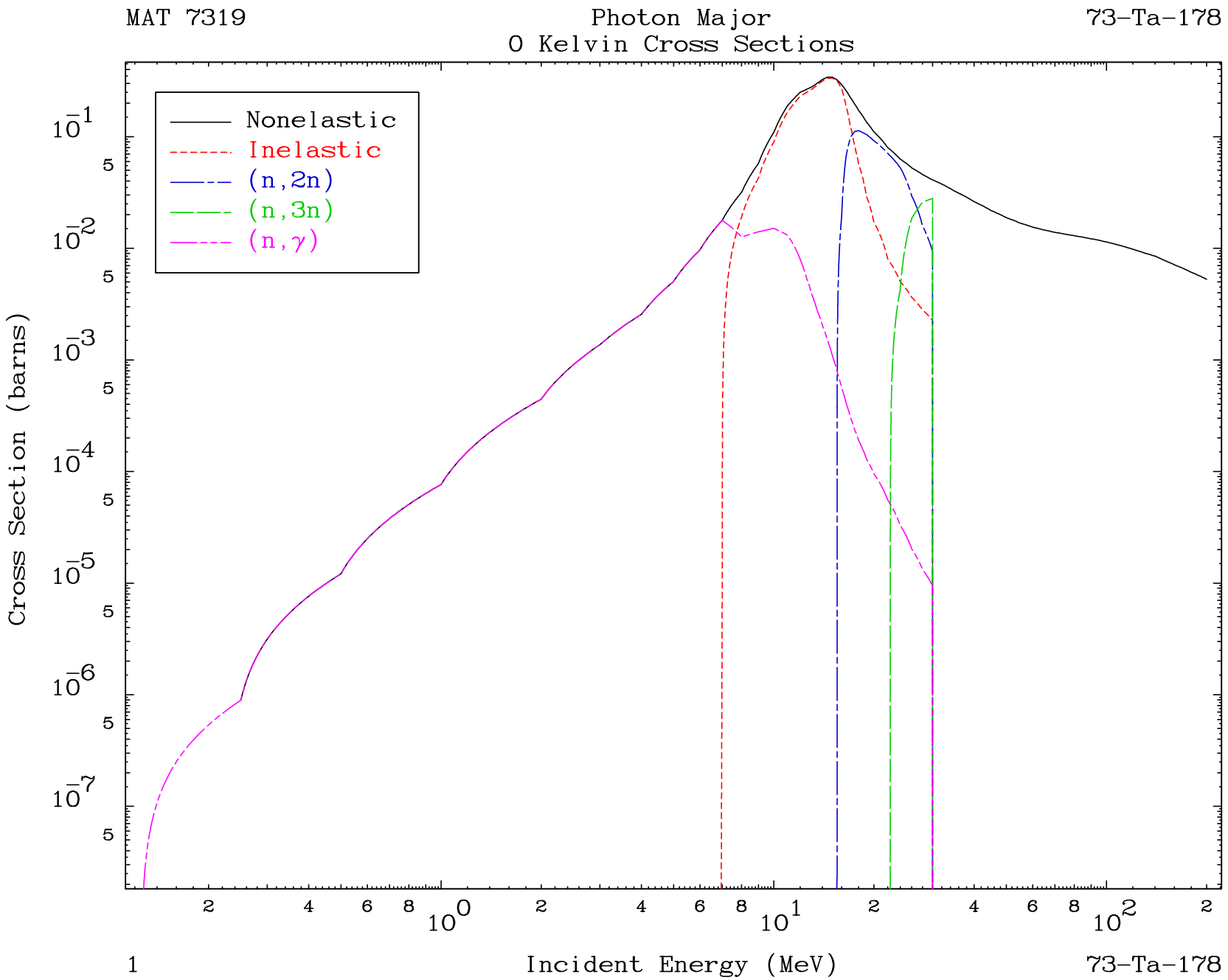
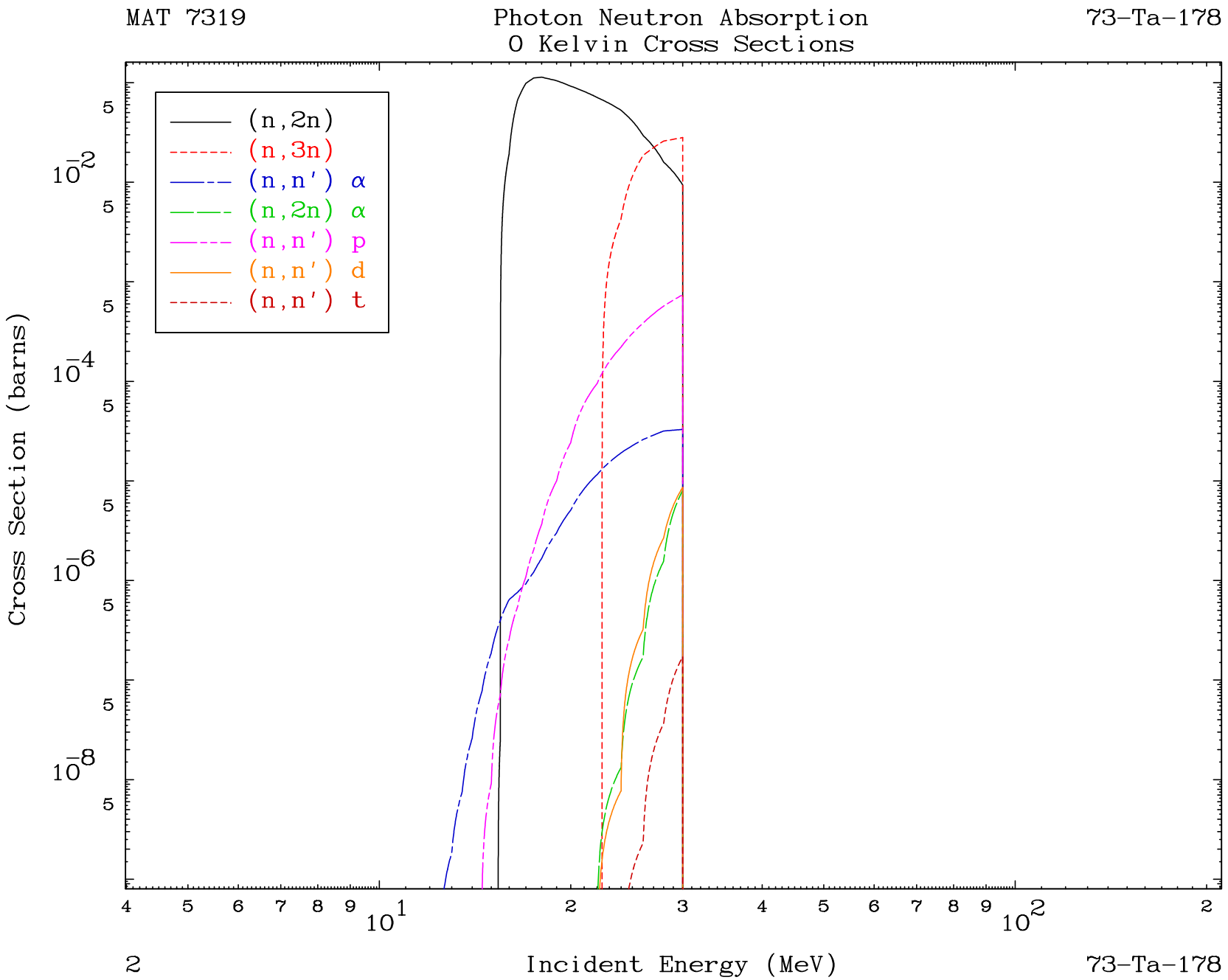
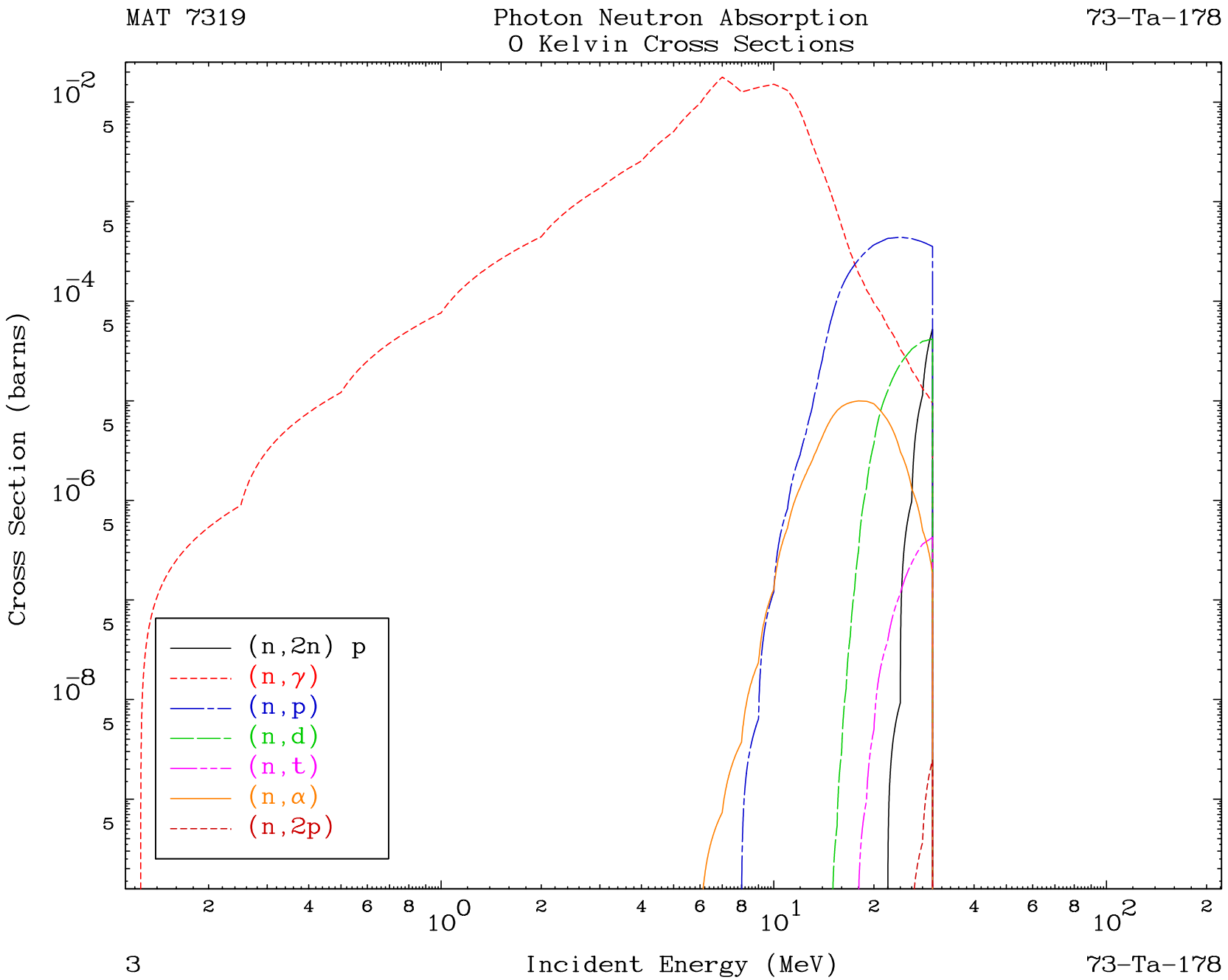
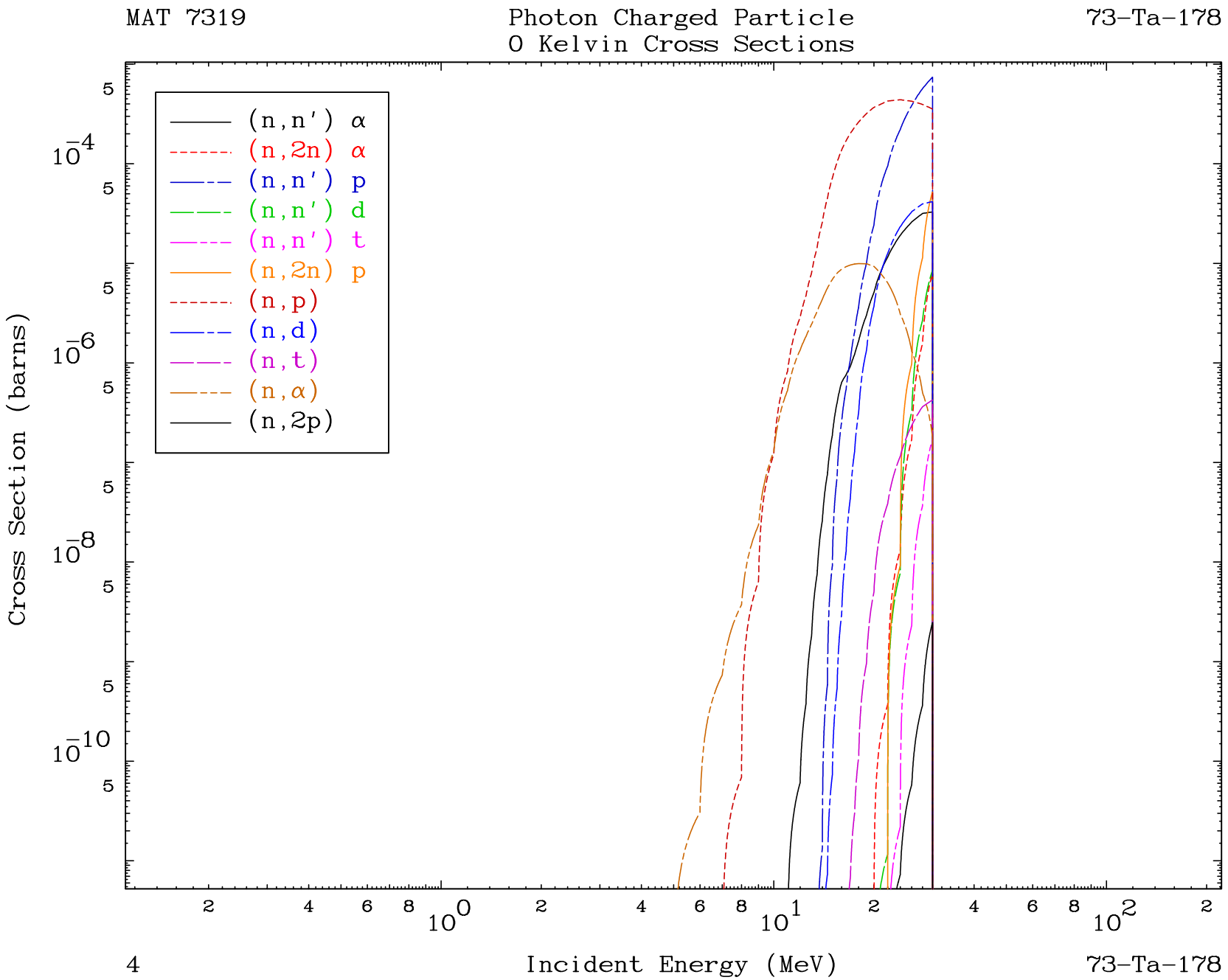
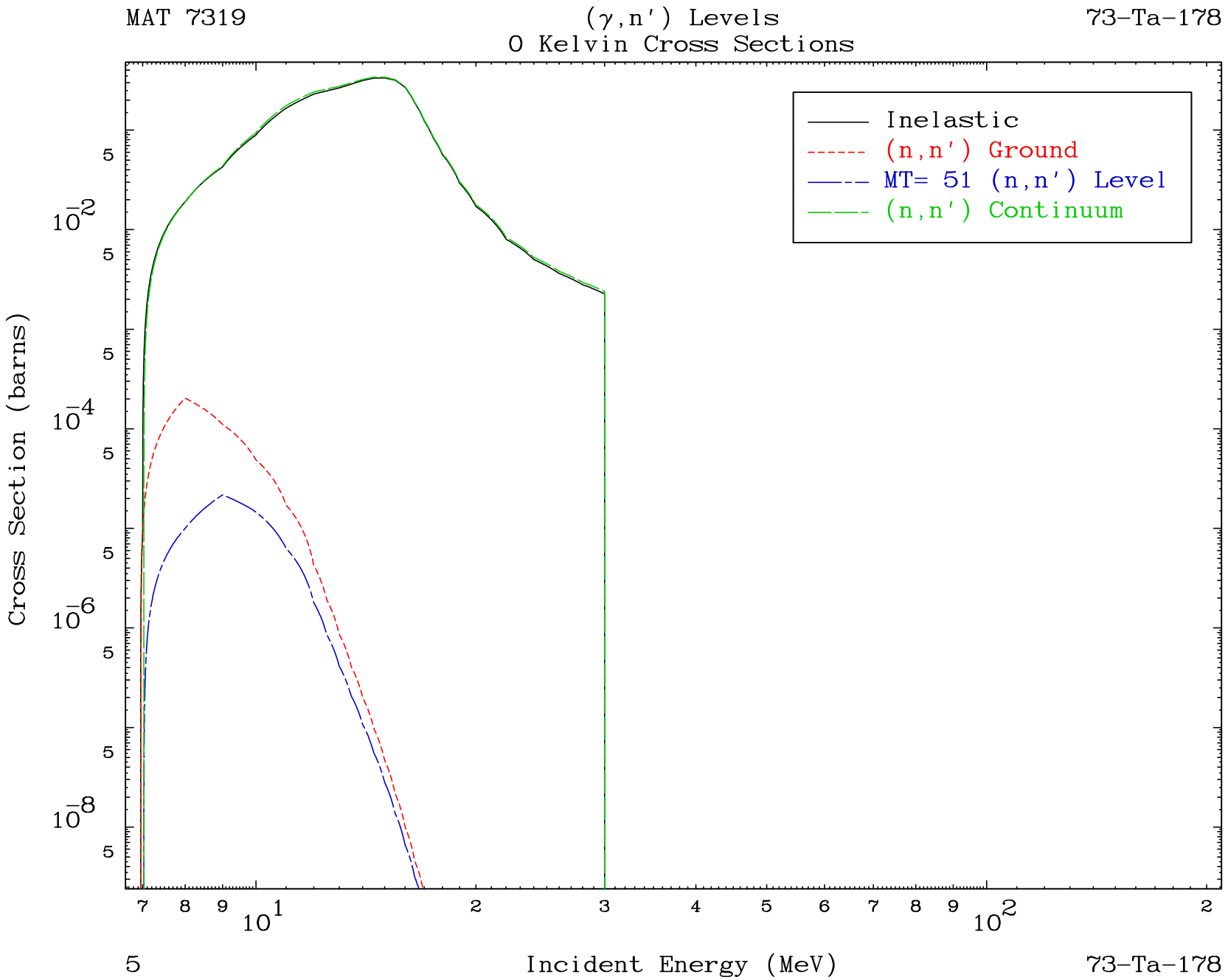
Press Mouse Button to Start

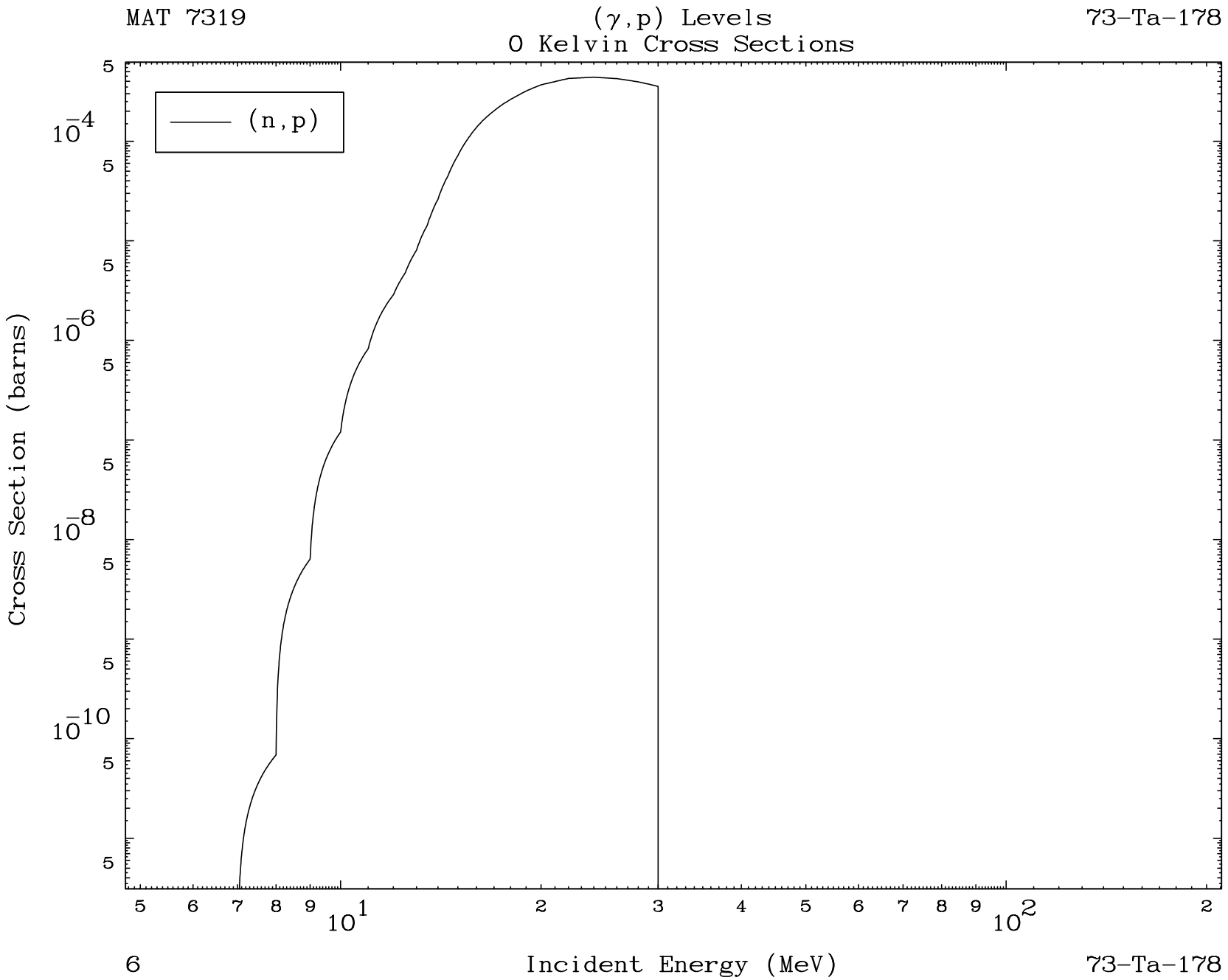

MAT 7319
Photon Major
73-Ta-178
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
73-Ta-178

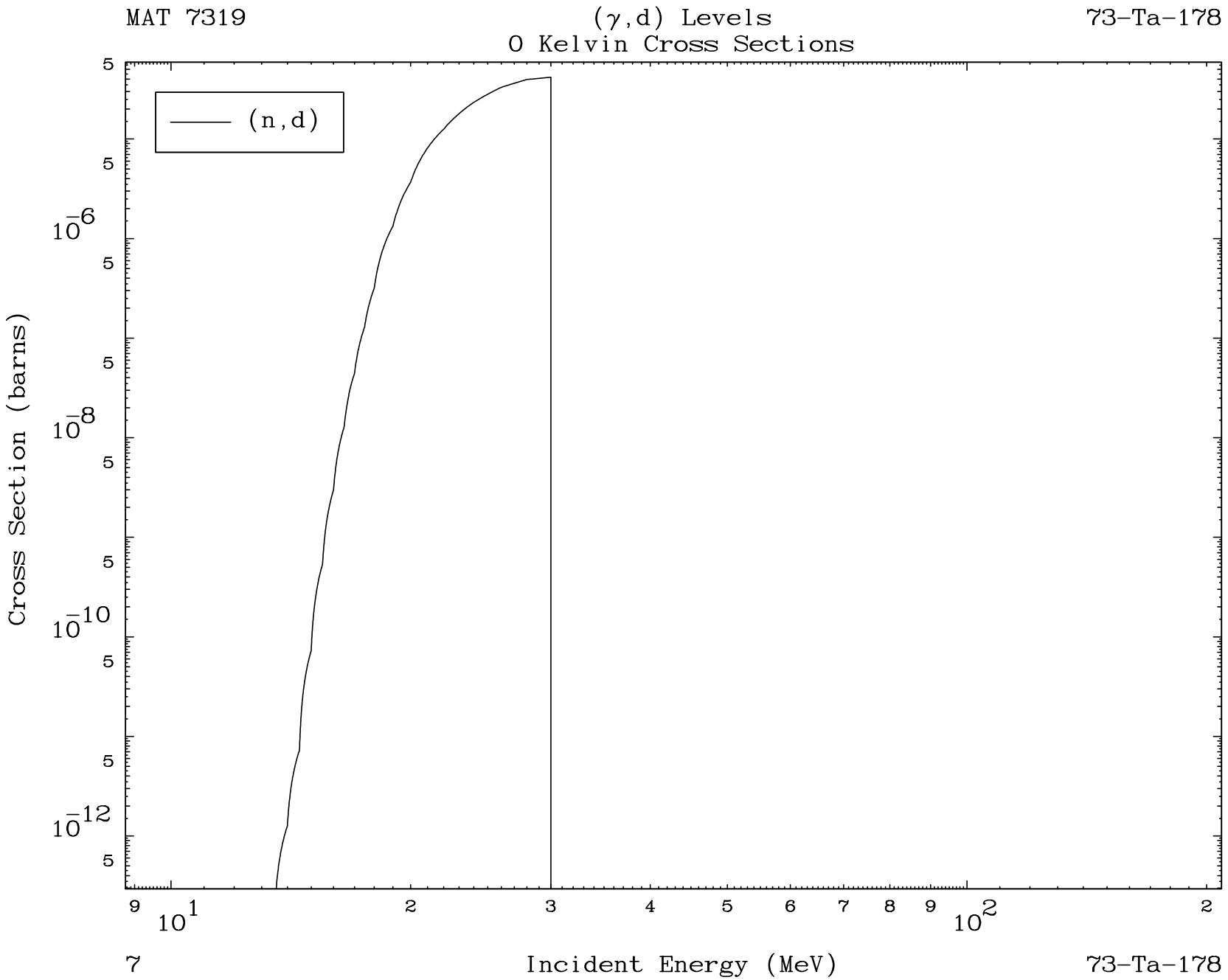

MAT 7319
Photon Neutron Absorption
0 Kelvin Cross Sections
73-Ta-178
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
73-Ta-178

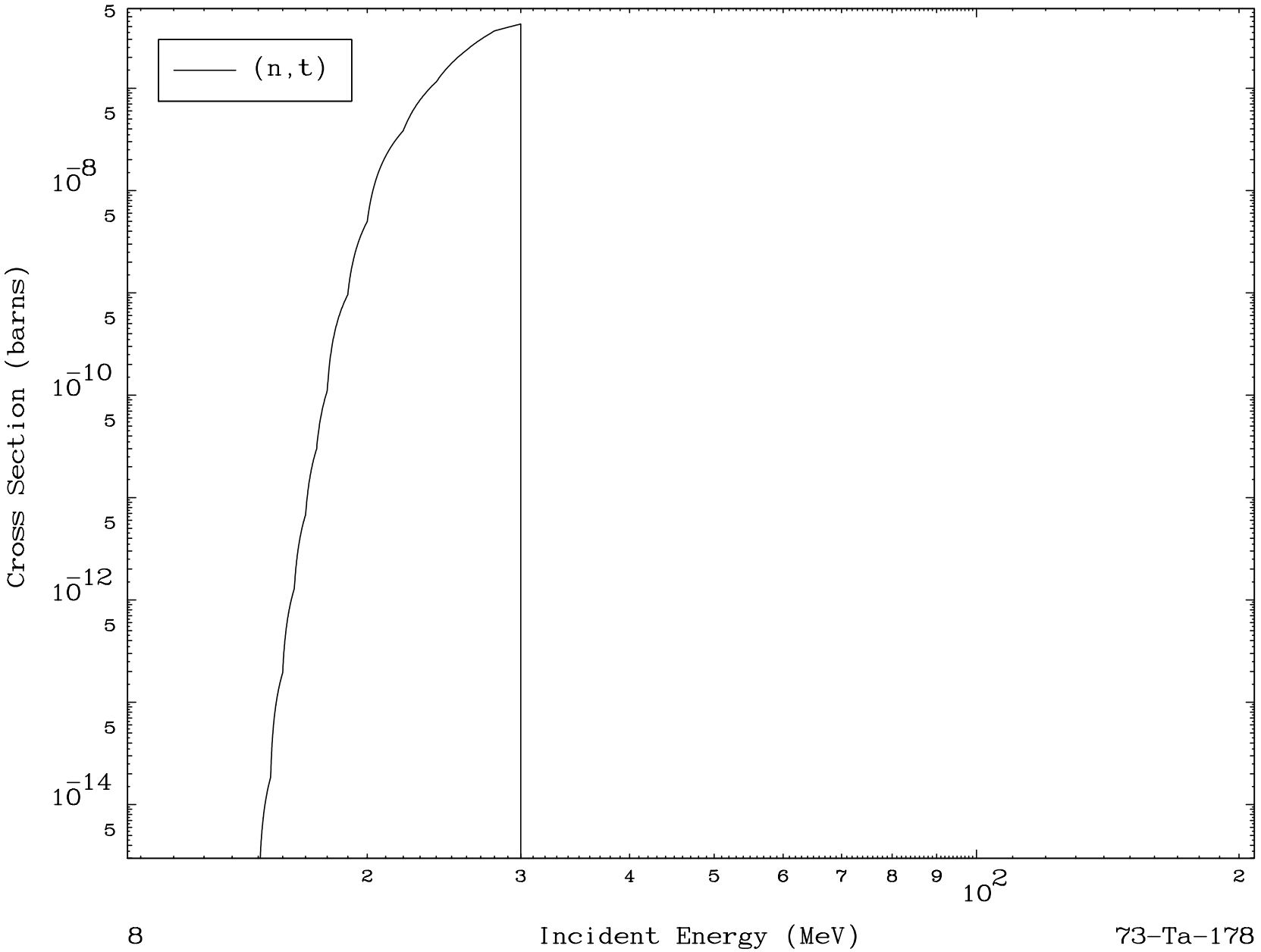

MAT 7319
Photon Neutron Absorption
0 Kelvin Cross Sections
73-Ta-178
Cross Section (barns)
Incident Energy (MeV)
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
(n,2p)
3
73-Ta-178

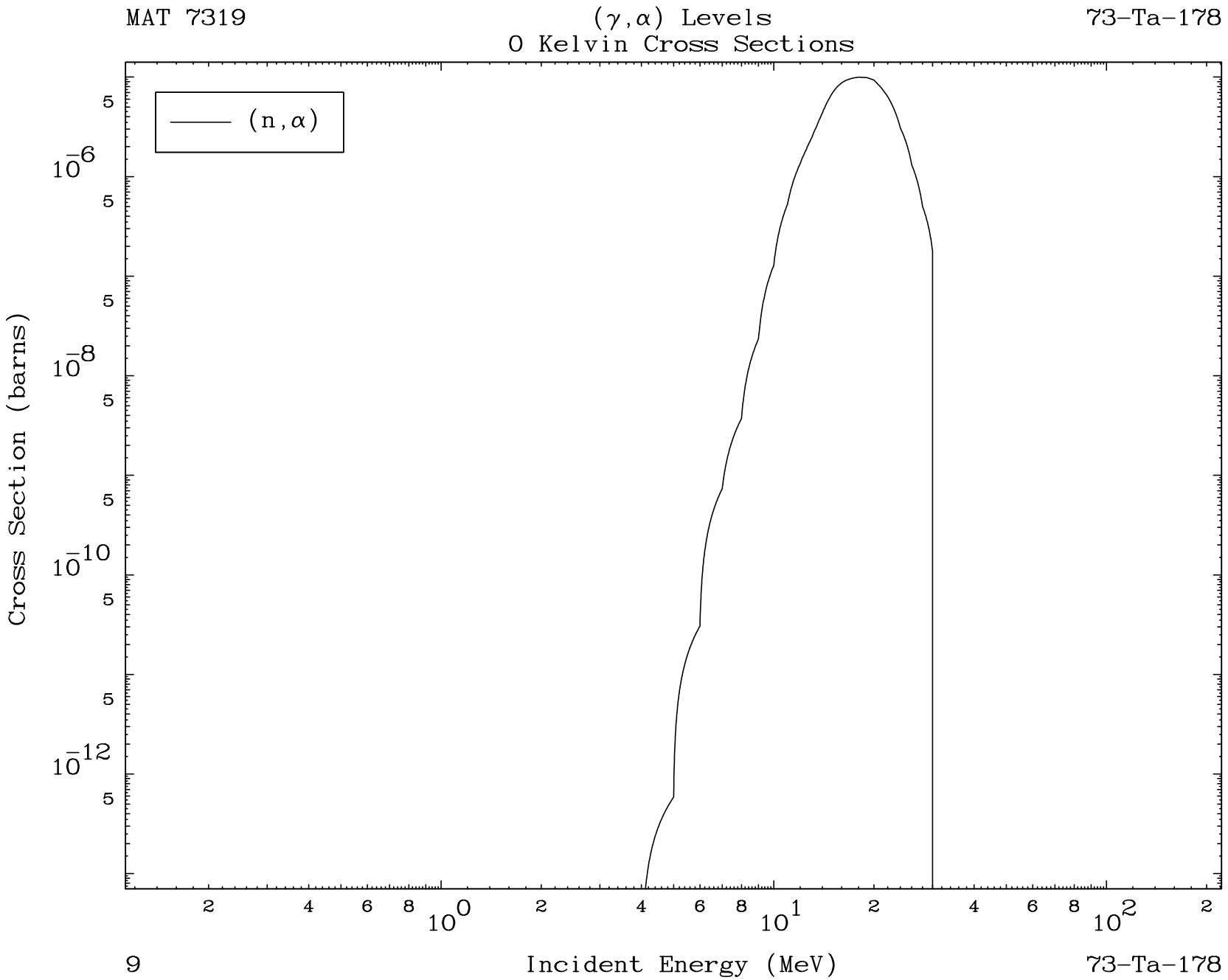

MAT 7319
Photon Charged Particle
0 Kelvin Cross Sections
73-Ta-178
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
(n,2p)
Cross Section (barns)
Incident Energy (MeV)
4
73-Ta-178

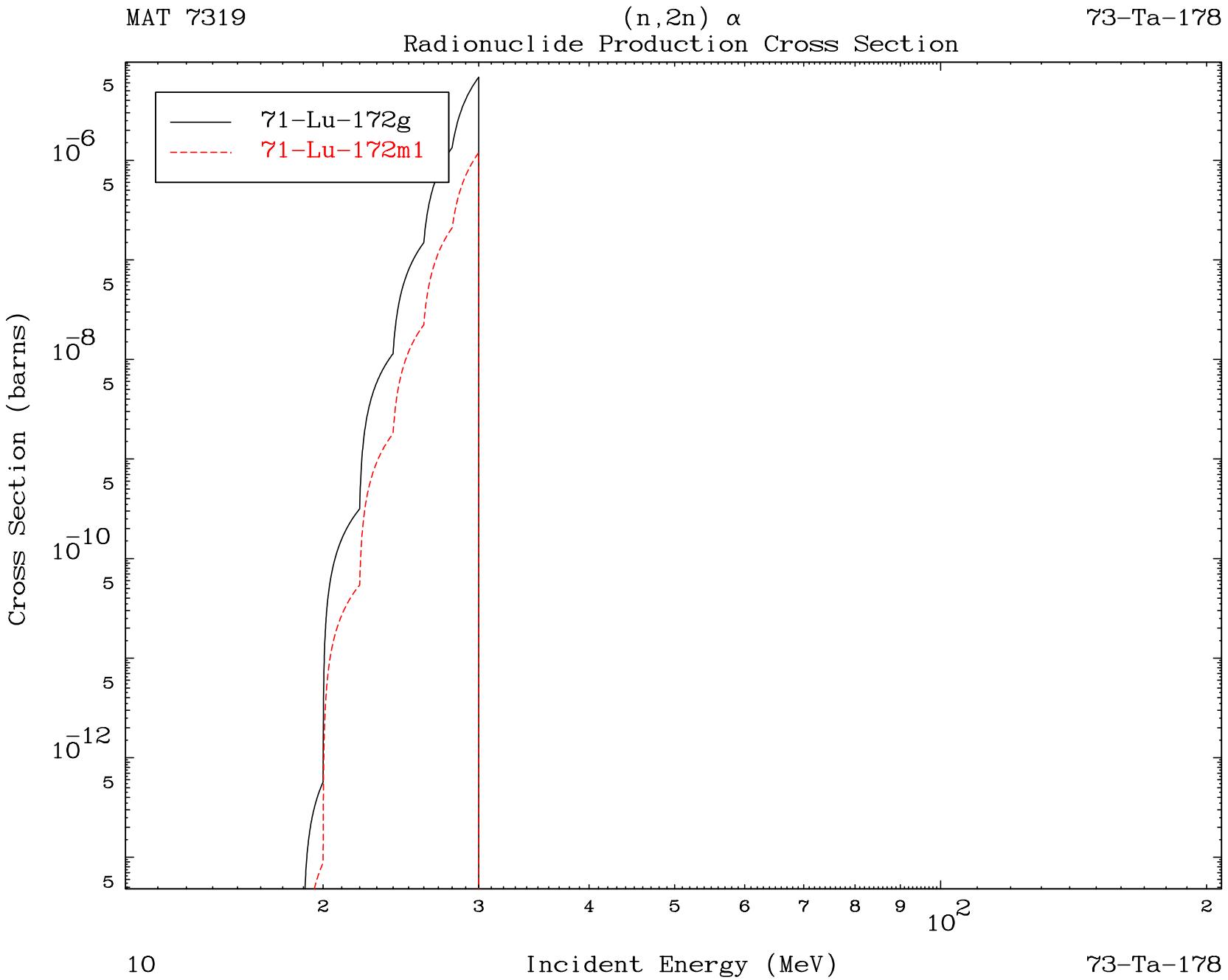

MAT 7319
(γ,n') Levels
0 Kelvin Cross Sections
73-Ta-178
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
5
73-Ta-178

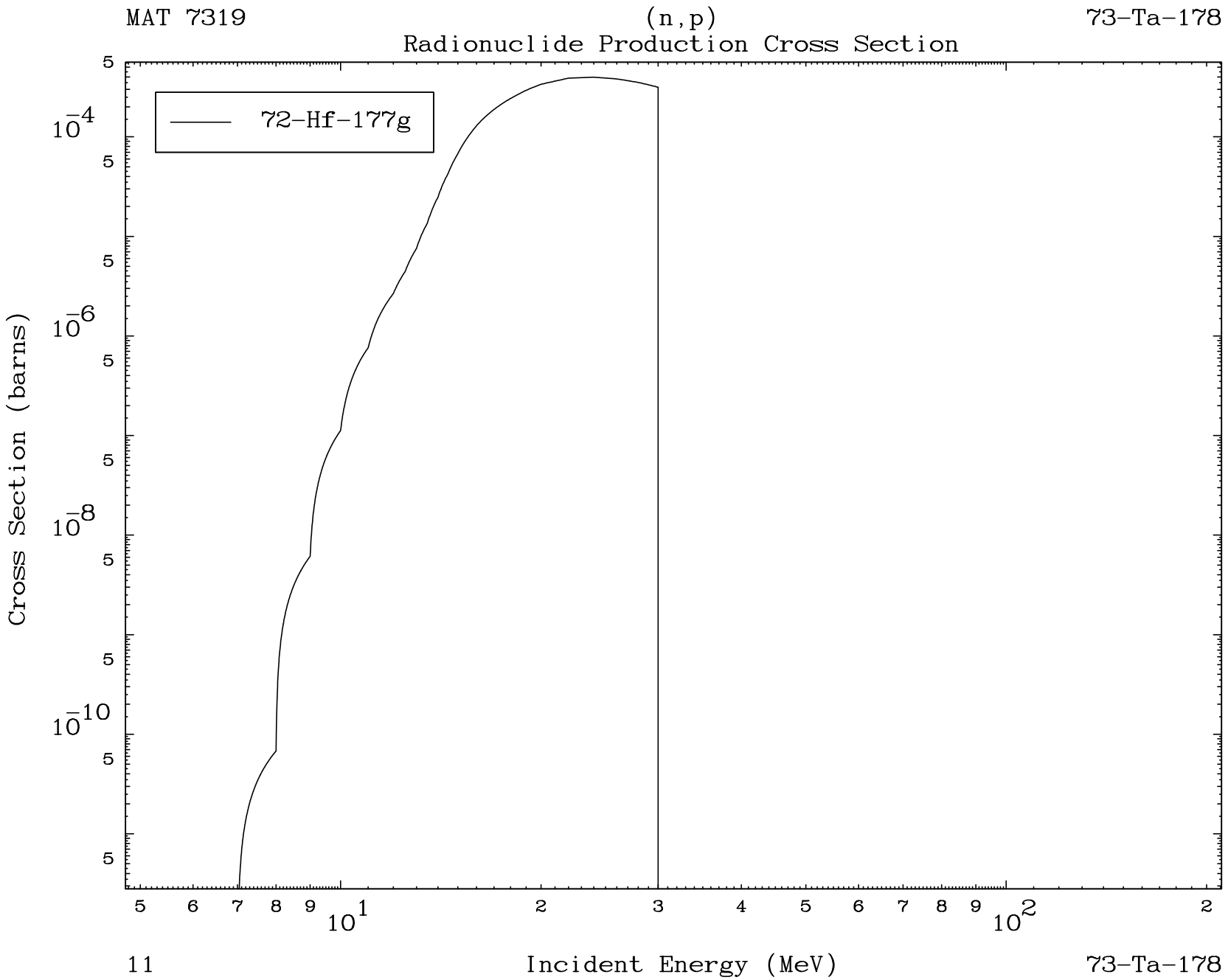

MAT 7319
(γ,p) Levels
73-Ta-178
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
6
7
8
9
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
6
73-Ta-178

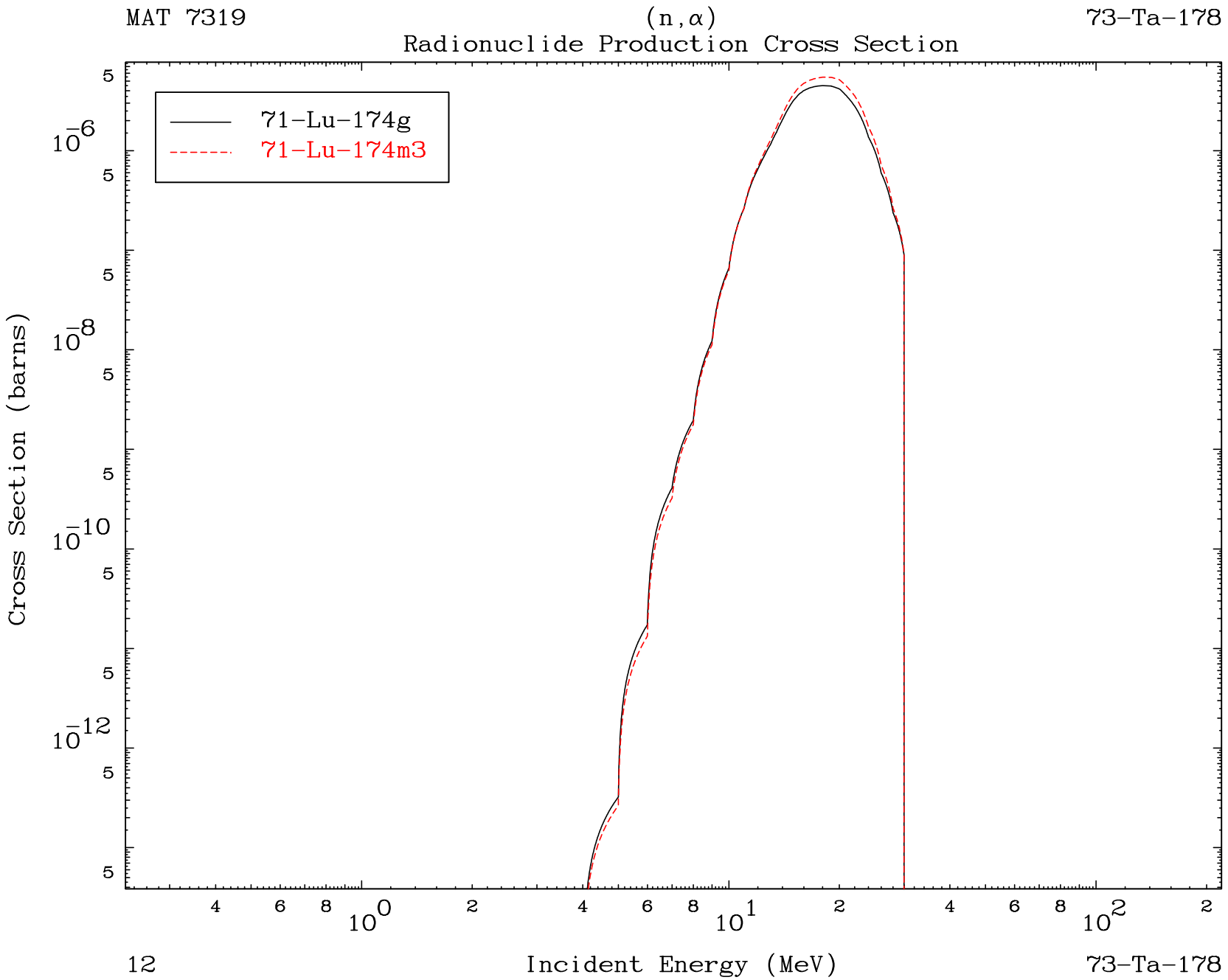

MAT 7319
(γ,d) Levels
73-Ta-178
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
73-Ta-178

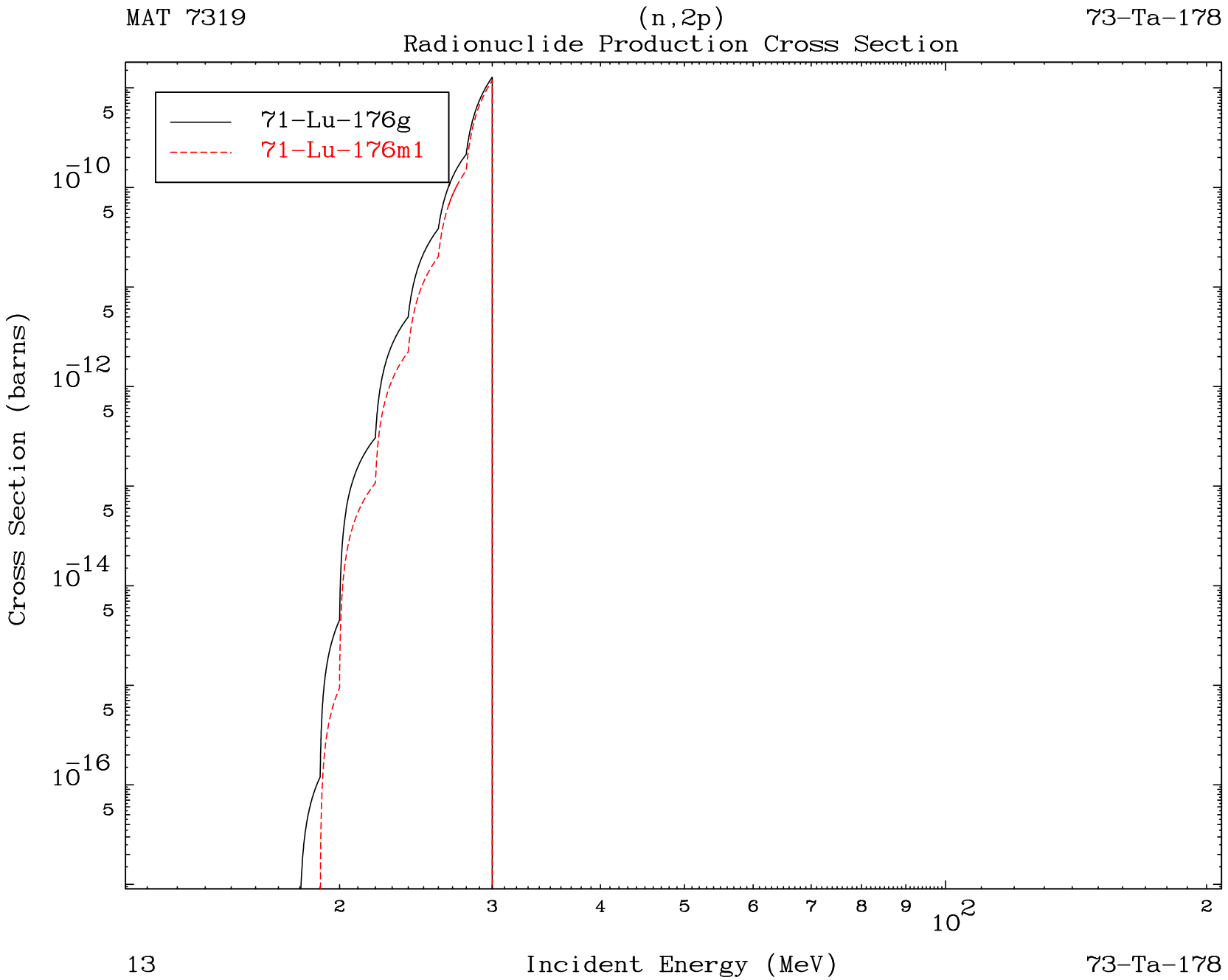

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)


MAT 7319
(γ,α) Levels
73-Ta-178
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
100
101
102
2
4
6
8
Incident Energy (MeV)
9
73-Ta-178


MAT 7319
(n,2n) α
73-Ta-178
Radionuclide Production Cross Section
71-Lu-172g
71-Lu-172m1
Cross Section (barns)
Incident Energy (MeV)
10
73-Ta-178


MAT 7319
(n,p)
73-Ta-178
Radionuclide Production Cross Section
72-Hf-177g
Cross Section (barns)
Incident Energy (MeV)
11
73-Ta-178


MAT 7319
(n,α)
73-Ta-178
Radionuclide Production Cross Section
71-Lu-174g
71-Lu-174m3
Cross Section (barns)
Incident Energy (MeV)
12
73-Ta-178


MAT 7319
(n,2p)
73-Ta-178
Radionuclide Production Cross Section
71-Lu-176g
71-Lu-176m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
73-Ta-178