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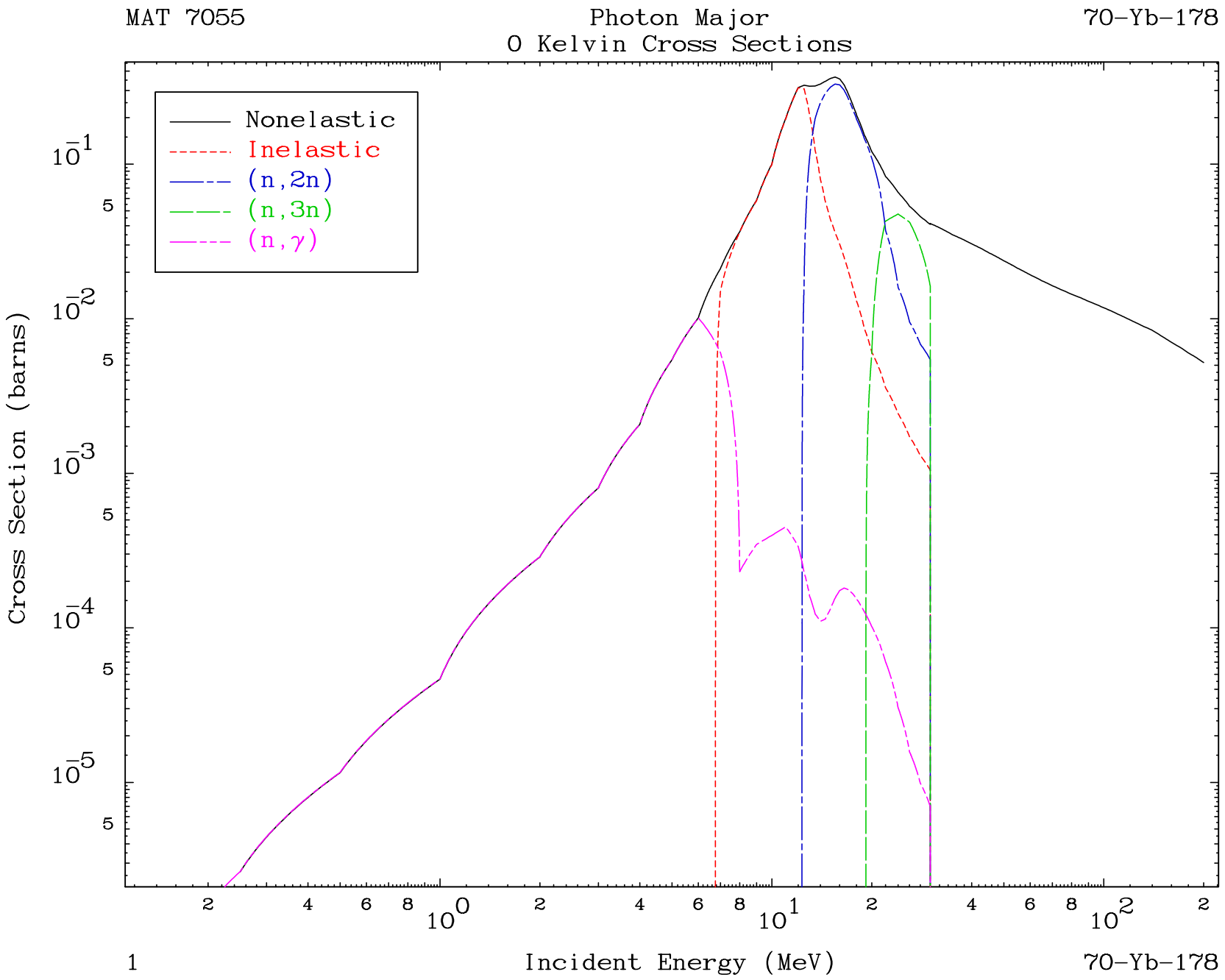
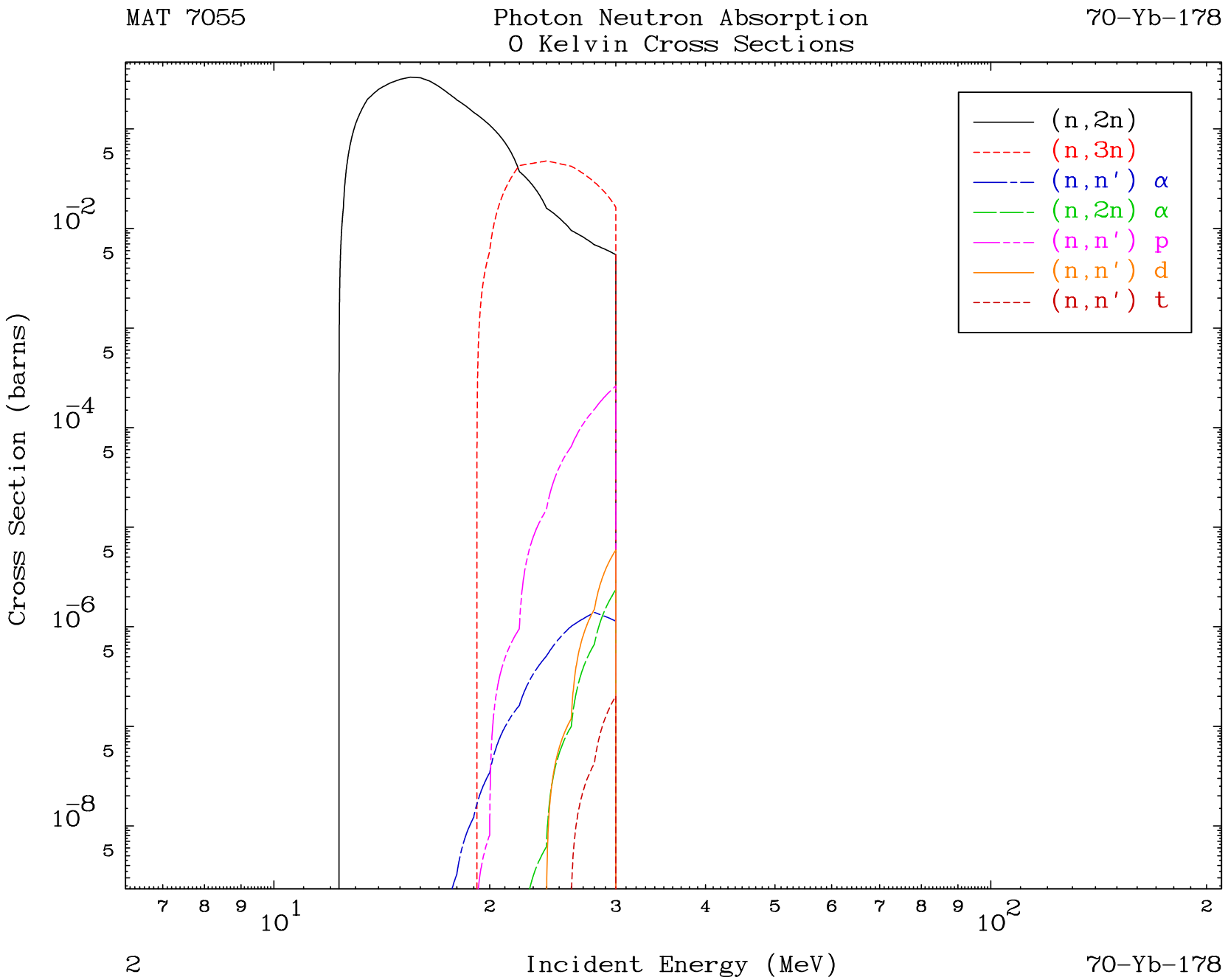
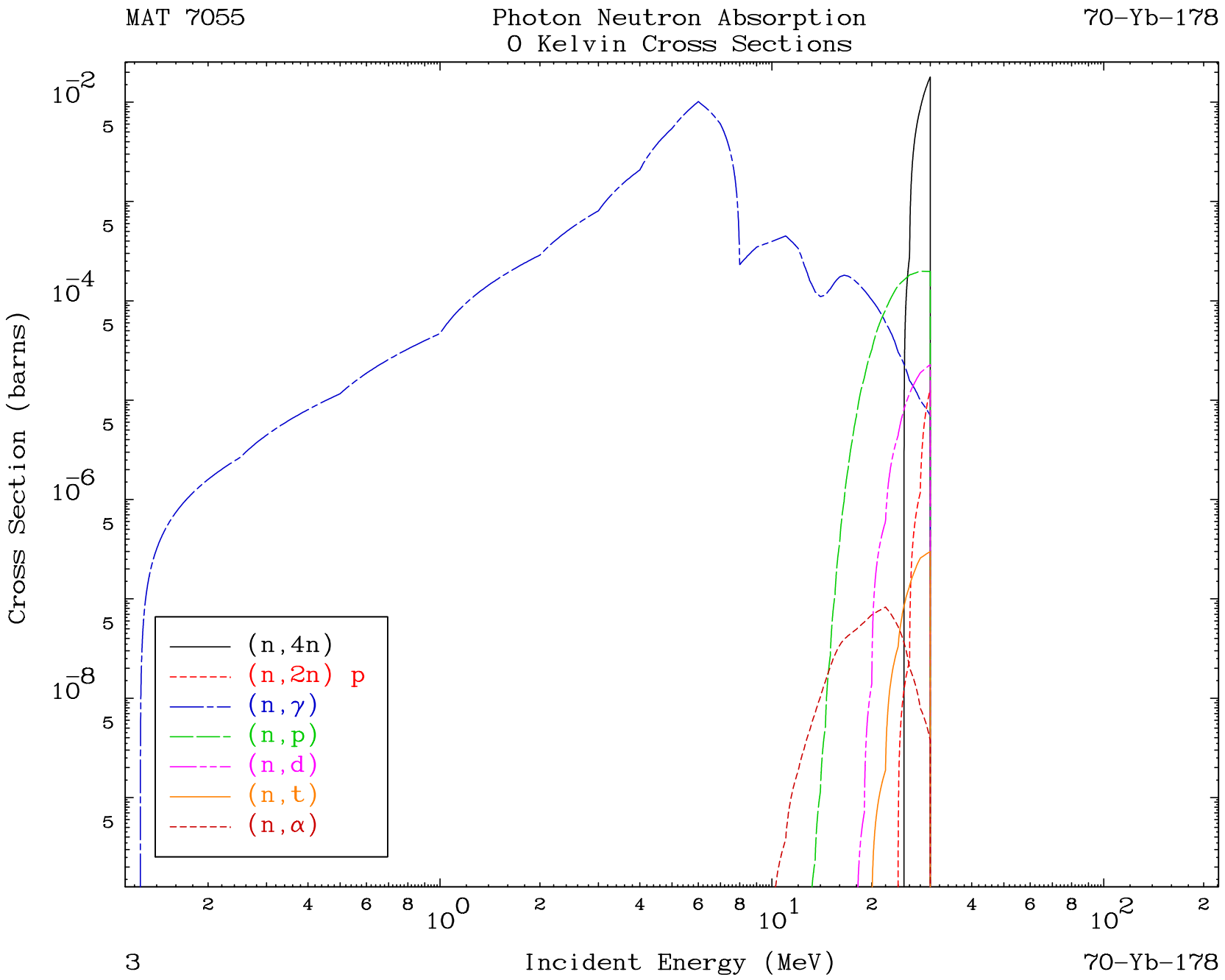
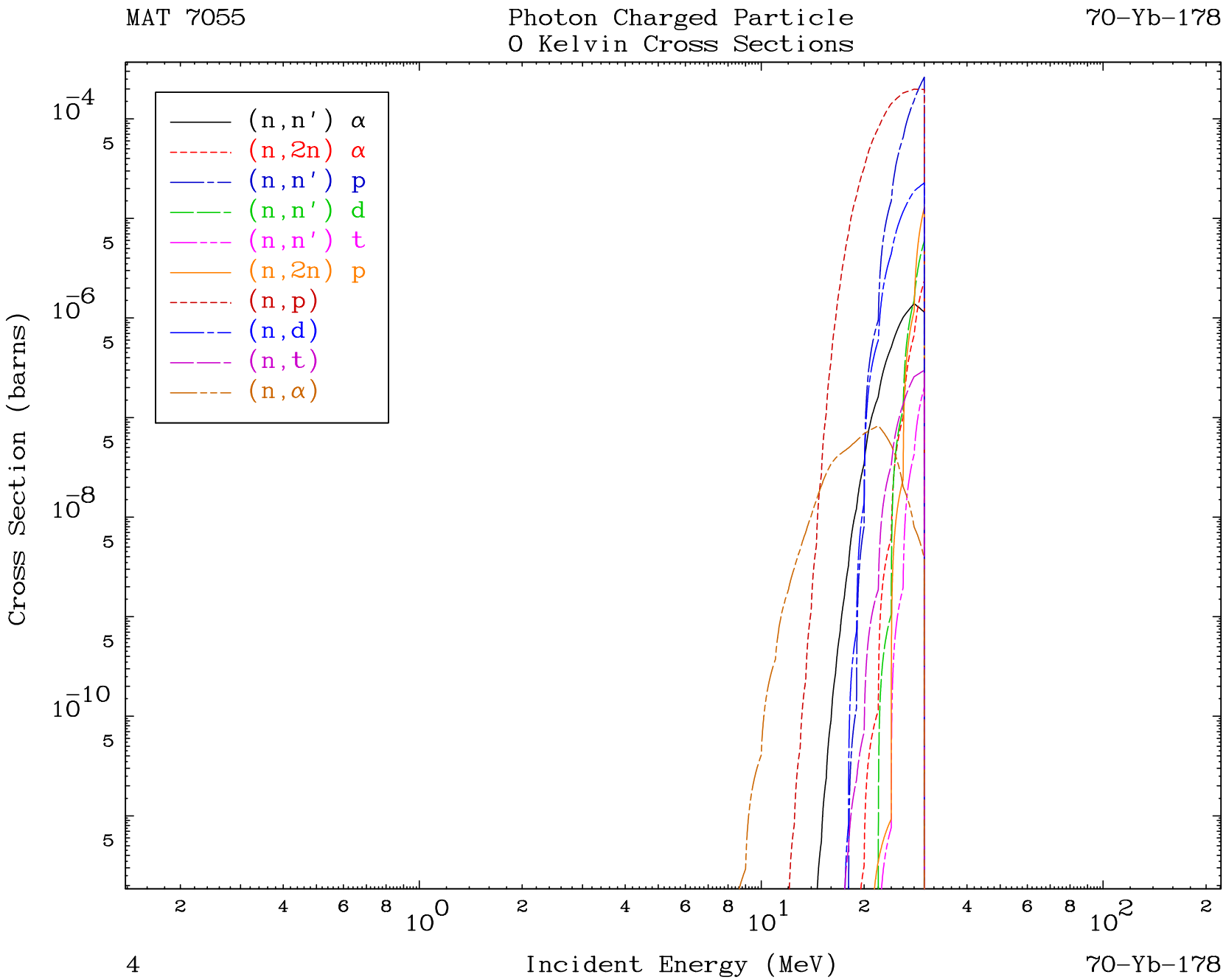
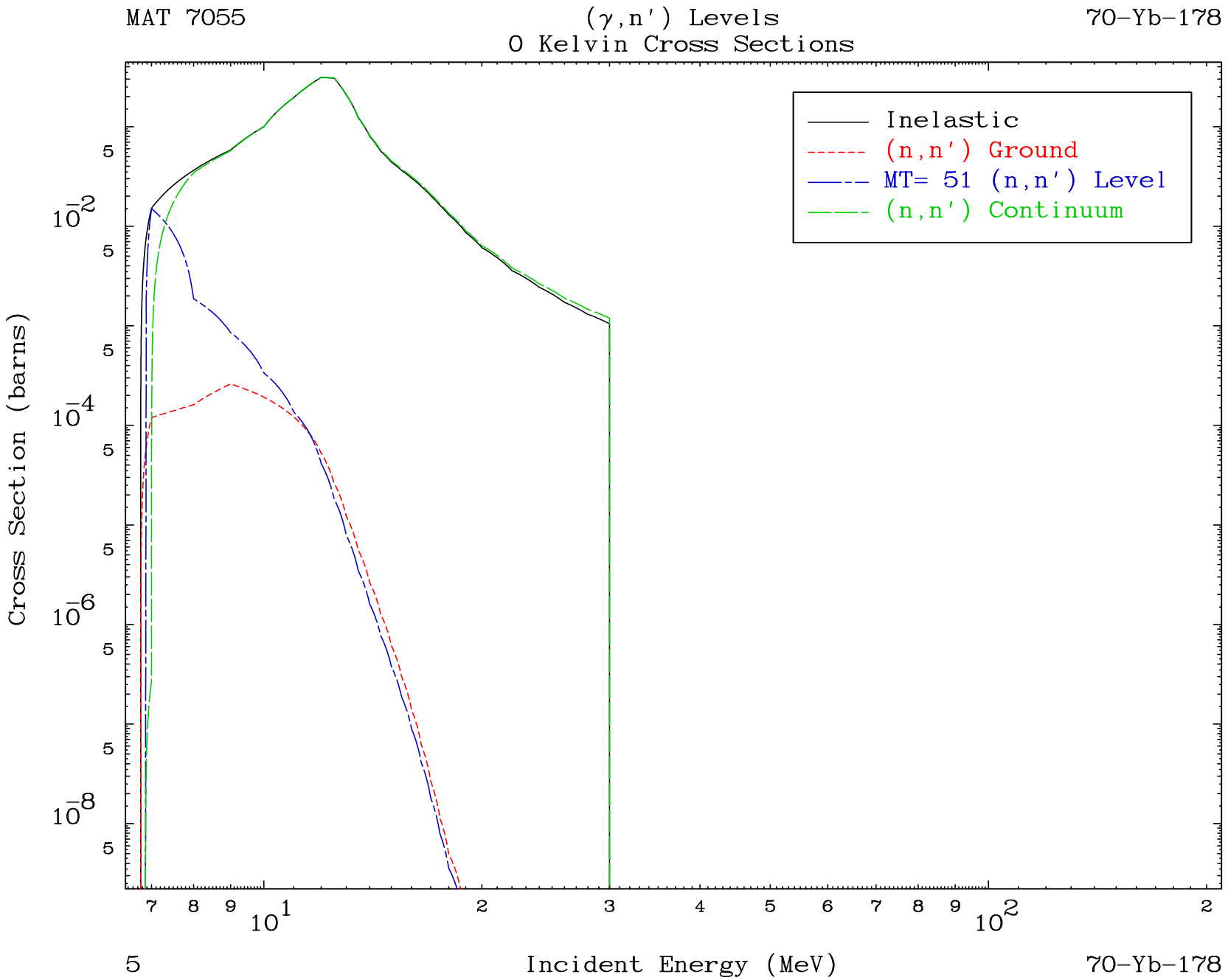
Press Mouse Button to Start

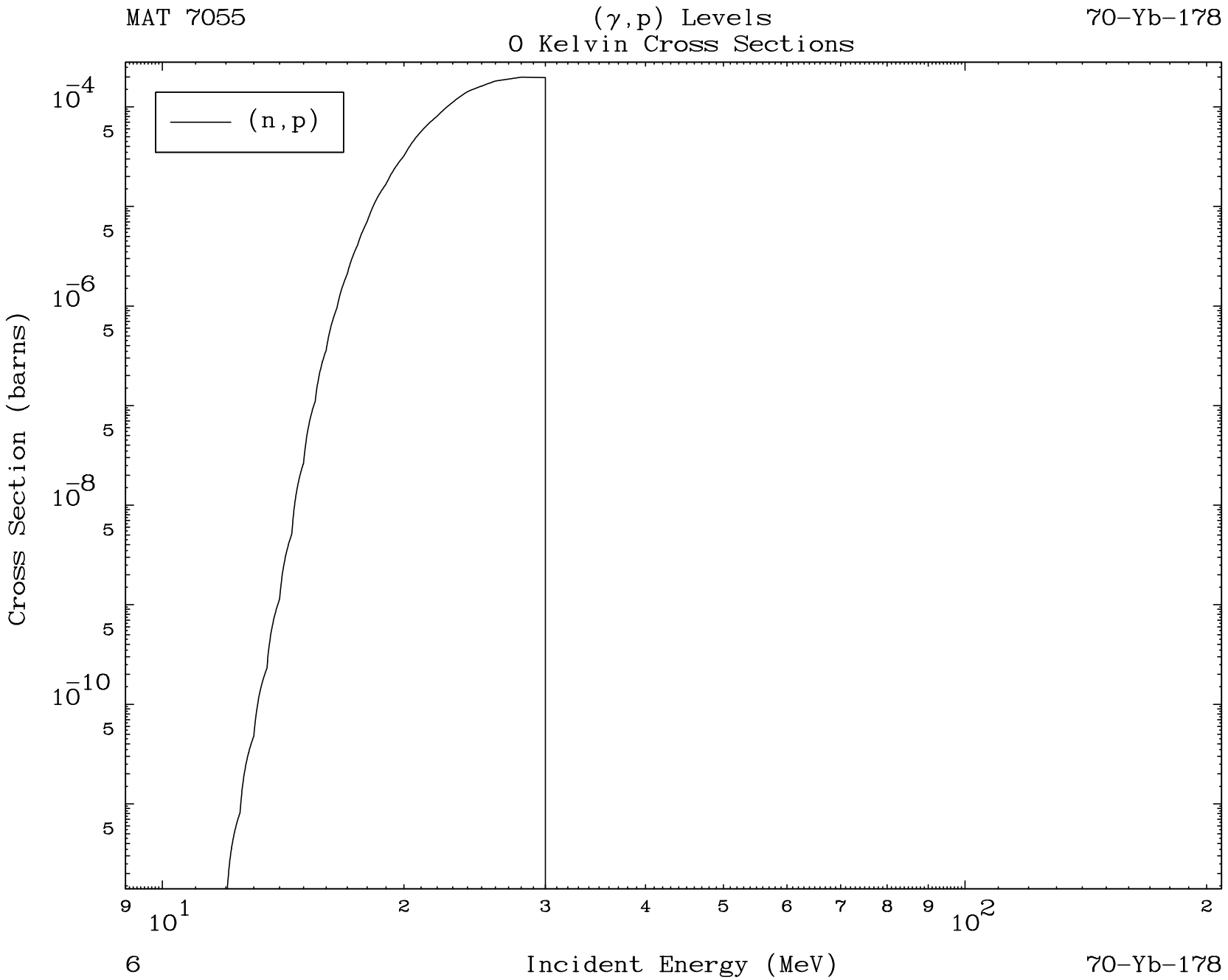

MAT 7055
Photon Major
70-Yb-178
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
70-Yb-178

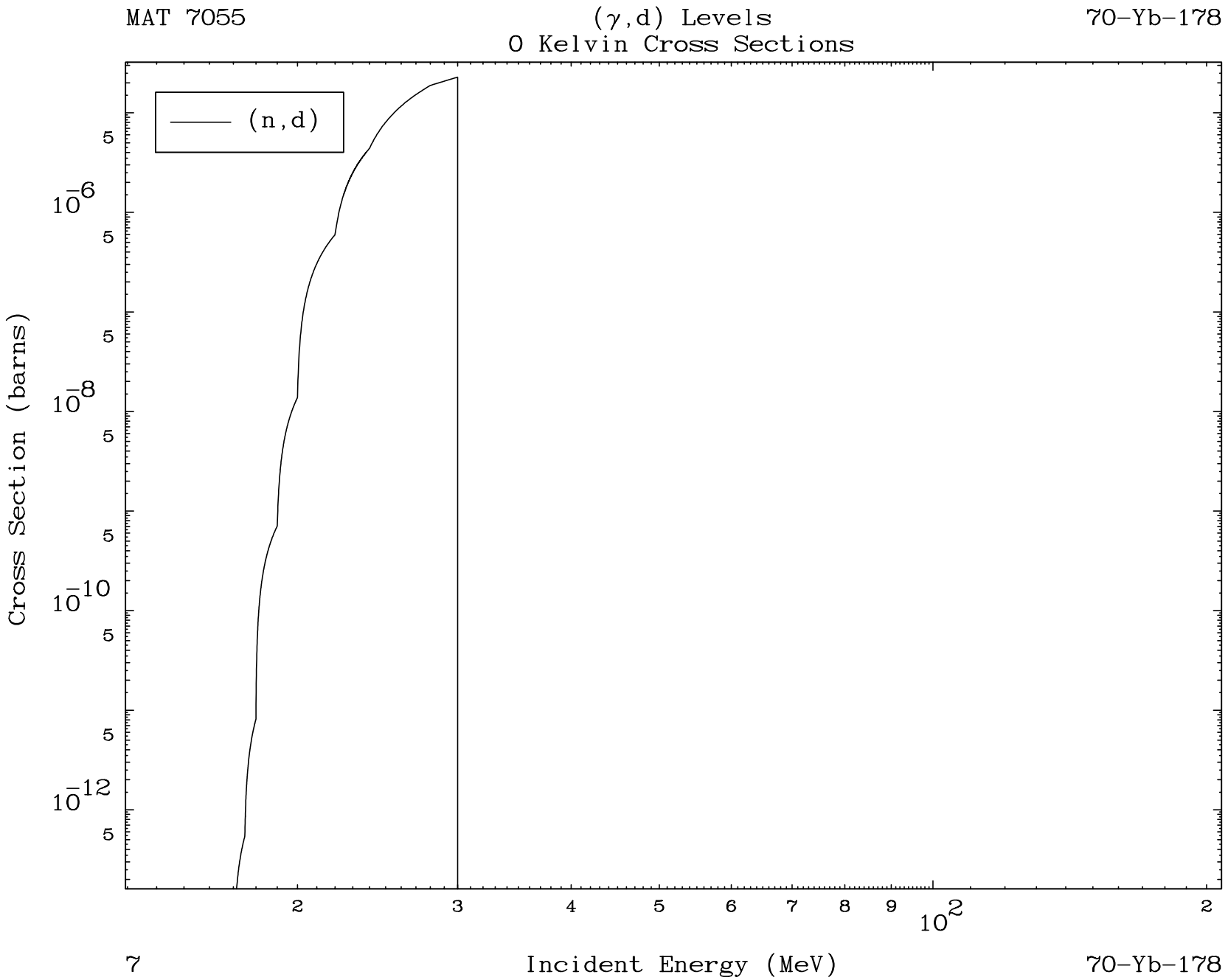

MAT 7055
Photon Neutron Absorption
0 Kelvin Cross Sections
70-Yb-178
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
70-Yb-178
2

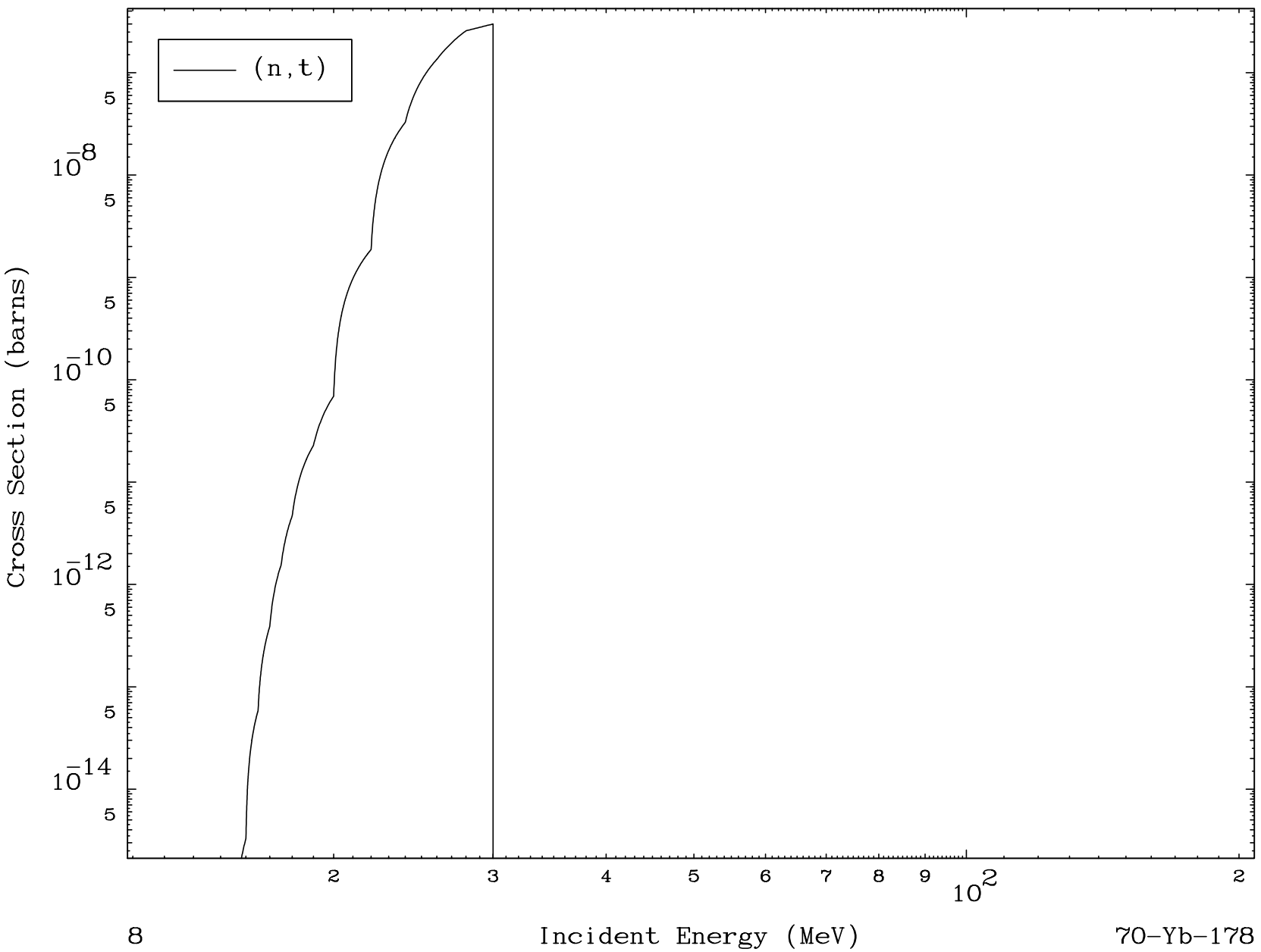

MAT 7055
Photon Neutron Absorption
0 Kelvin Cross Sections
70-Yb-178
Cross Section (barns)
Incident Energy (MeV)
(n,4n)
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
3
70-Yb-178

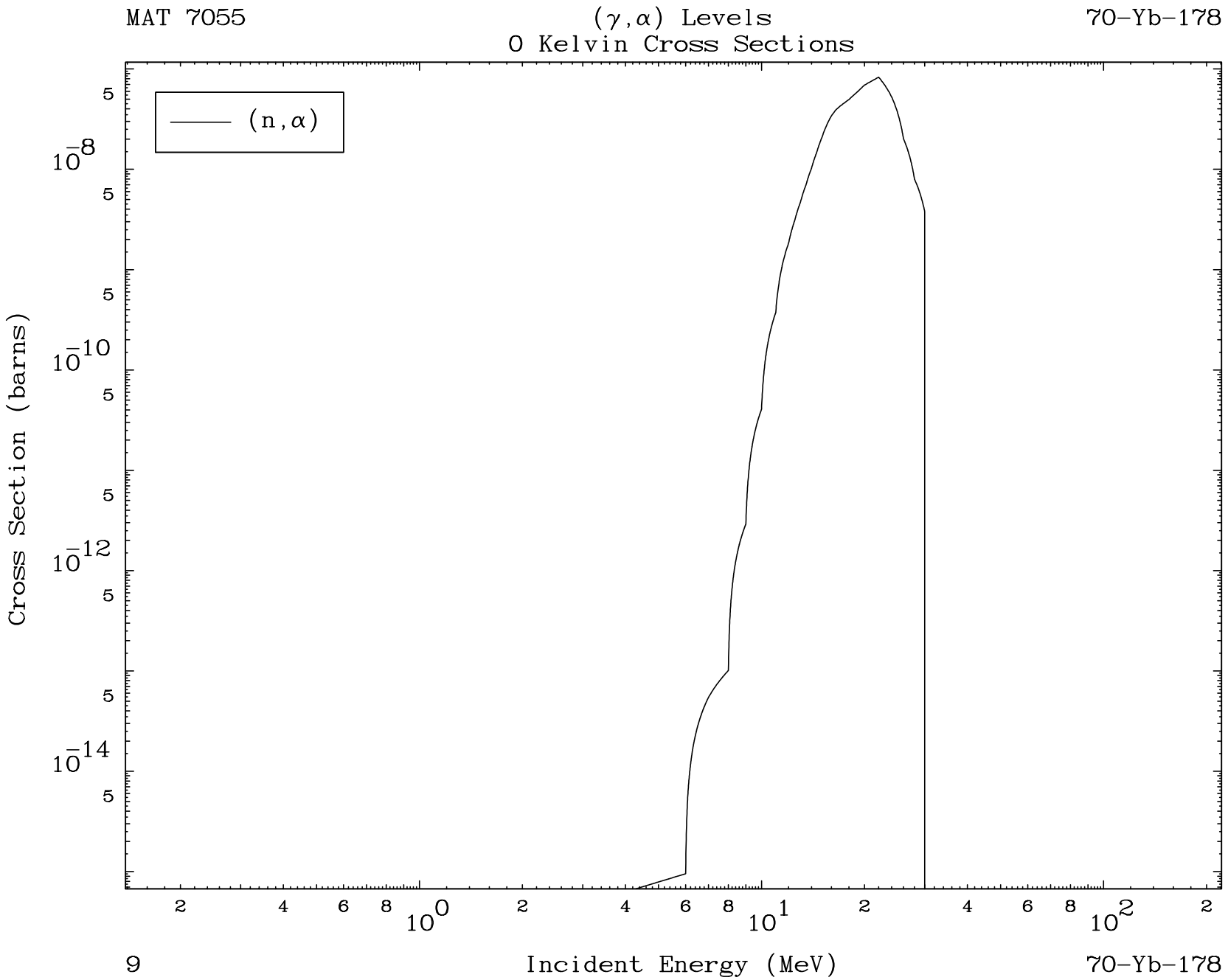

MAT 7055
Photon Charged Particle
0 Kelvin Cross Sections
70-Yb-178
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
4
70-Yb-178

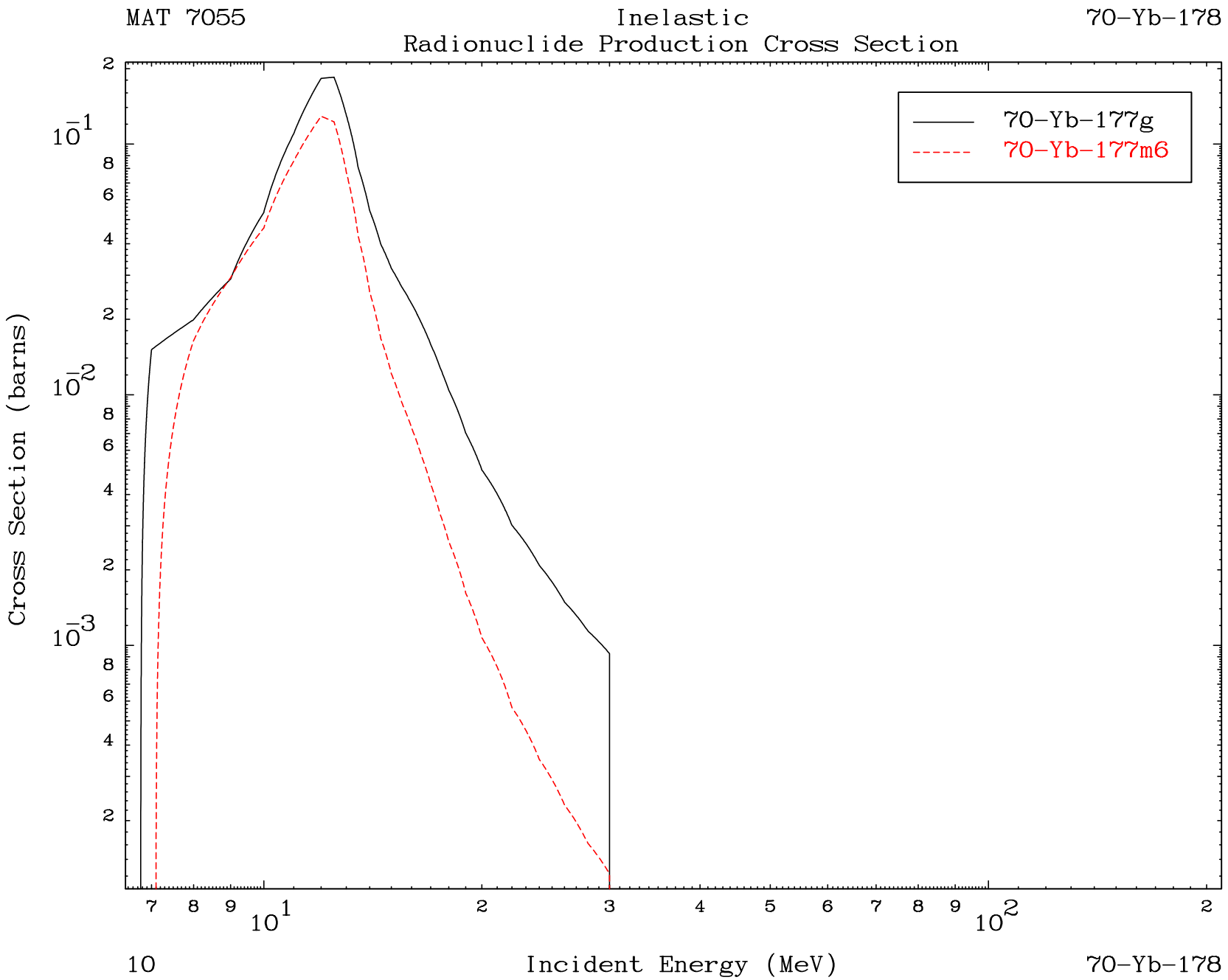

MAT 7055
(γ,n') Levels
0 Kelvin Cross Sections
70-Yb-178
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
5
70-Yb-178

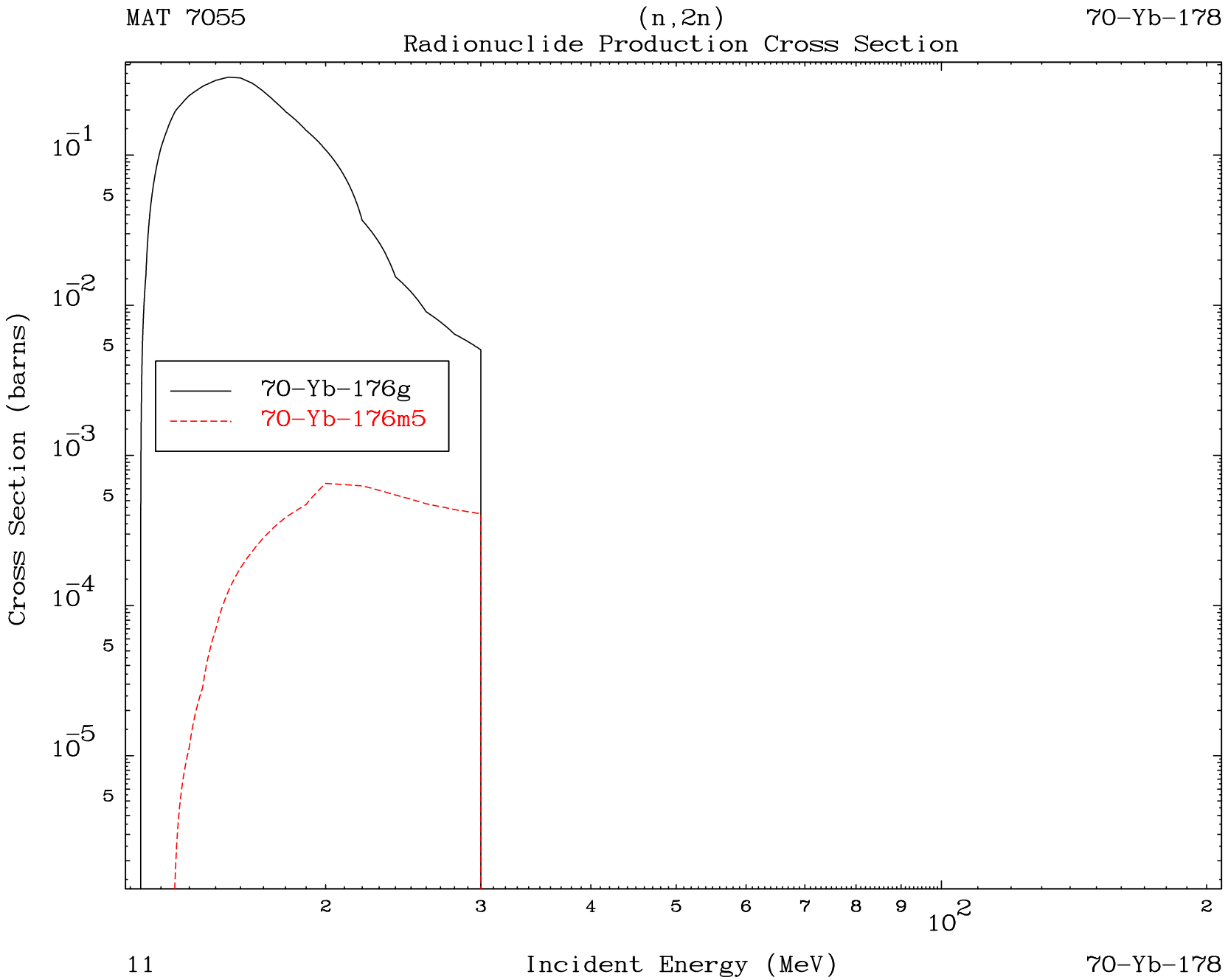

MAT 7055
(γ,p) Levels
70-Yb-178
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
6
70-Yb-178

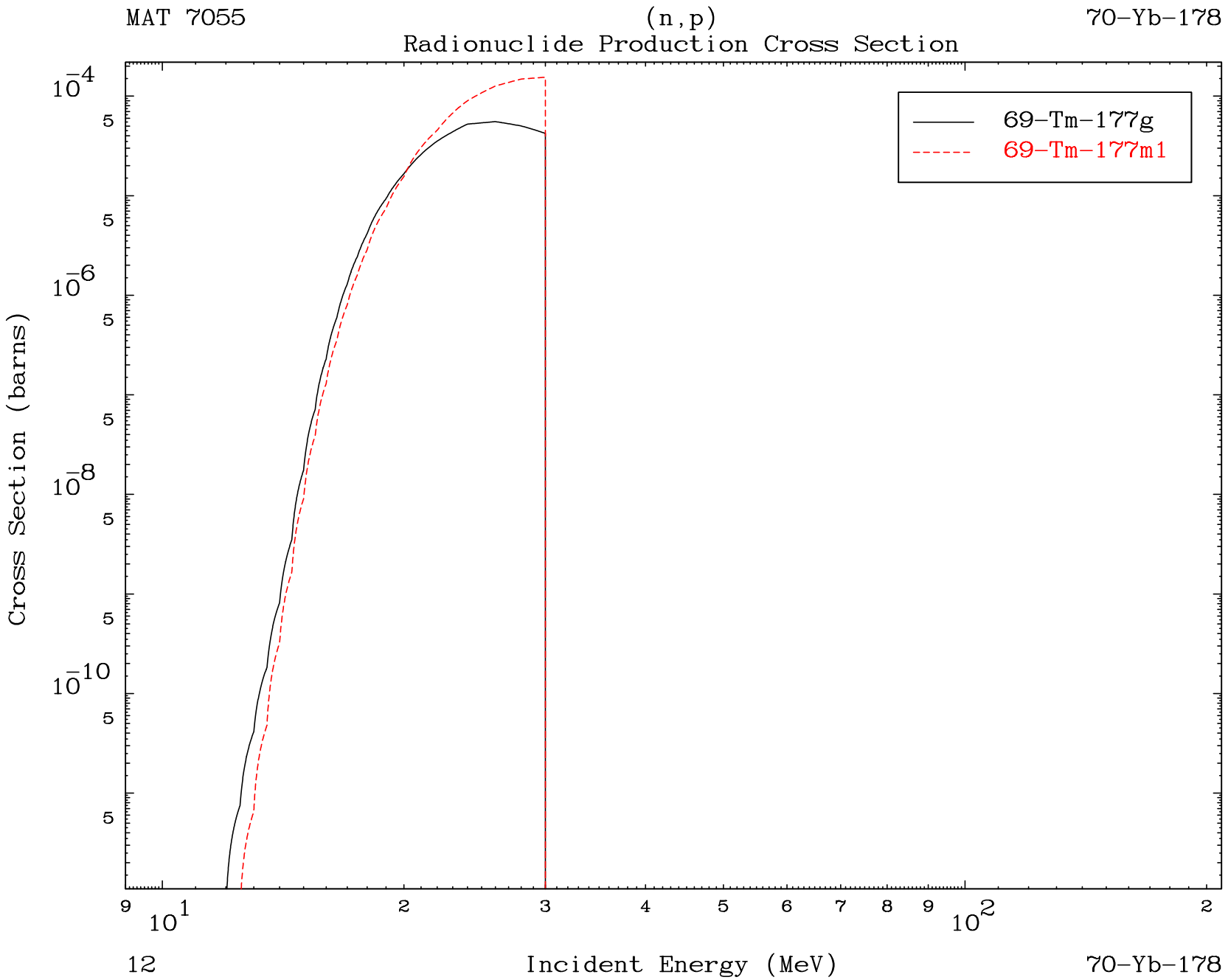

MAT 7055
(γ,d) Levels
70-Yb-178
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
70-Yb-178


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 7055
(γ,α) Levels
70-Yb-178
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
10^0
10^1
10^2
Incident Energy (MeV)
9
70-Yb-178


MAT 7055
Inelastic
70-Yb-178
Radionuclide Production Cross Section
70-Yb-177g
70-Yb-177m6
Cross Section (barns)
Incident Energy (MeV)
70-Yb-178


MAT 7055
(n,2n)
70-Yb-178
Radionuclide Production Cross Section
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
5
70-Yb-176g
70-Yb-176m5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
70-Yb-178


MAT 7055
(n,p)
70-Yb-178
Radionuclide Production Cross Section
69-Tm-177g
69-Tm-177m1
Cross Section (barns)
Incident Energy (MeV)
70-Yb-178
12