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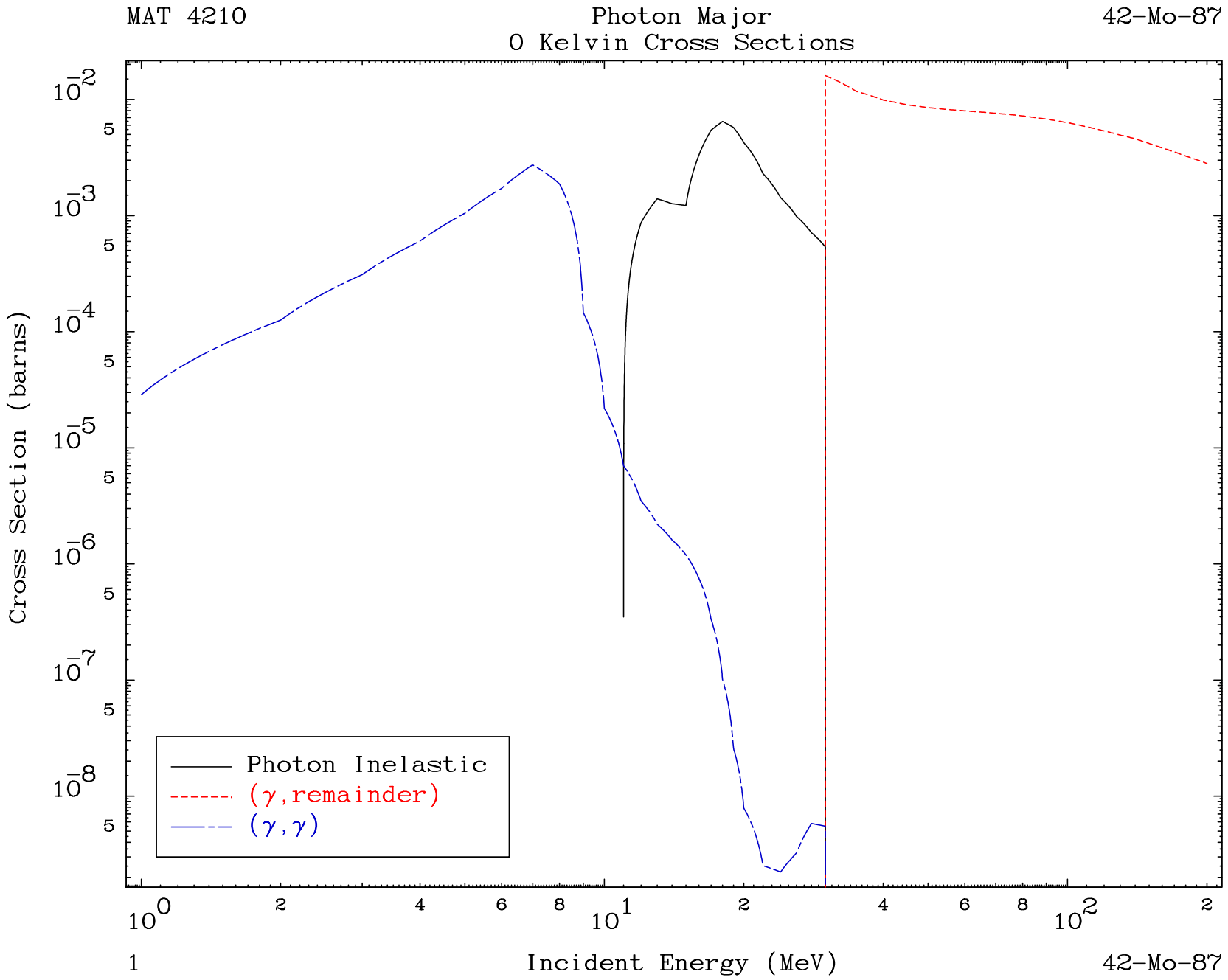
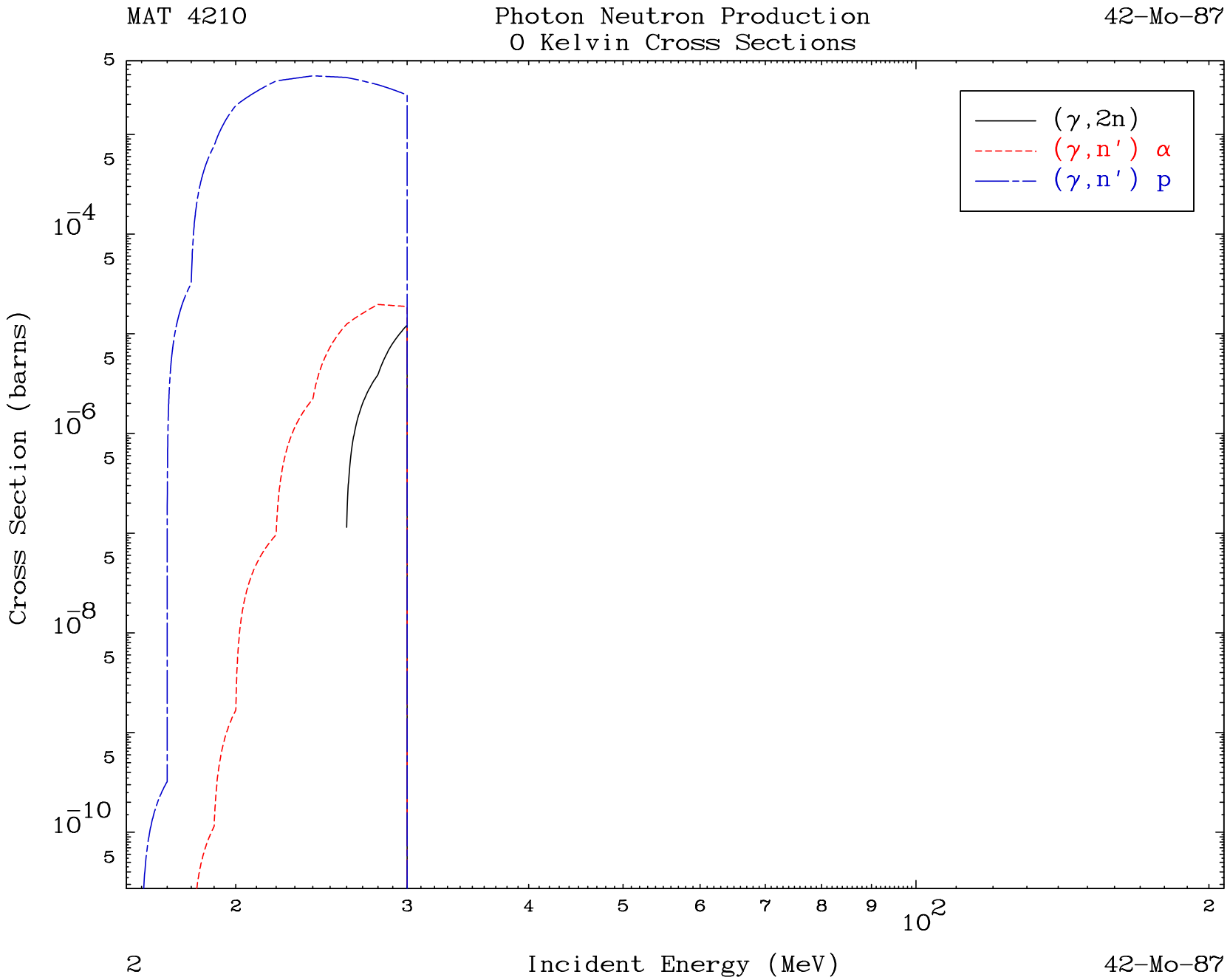
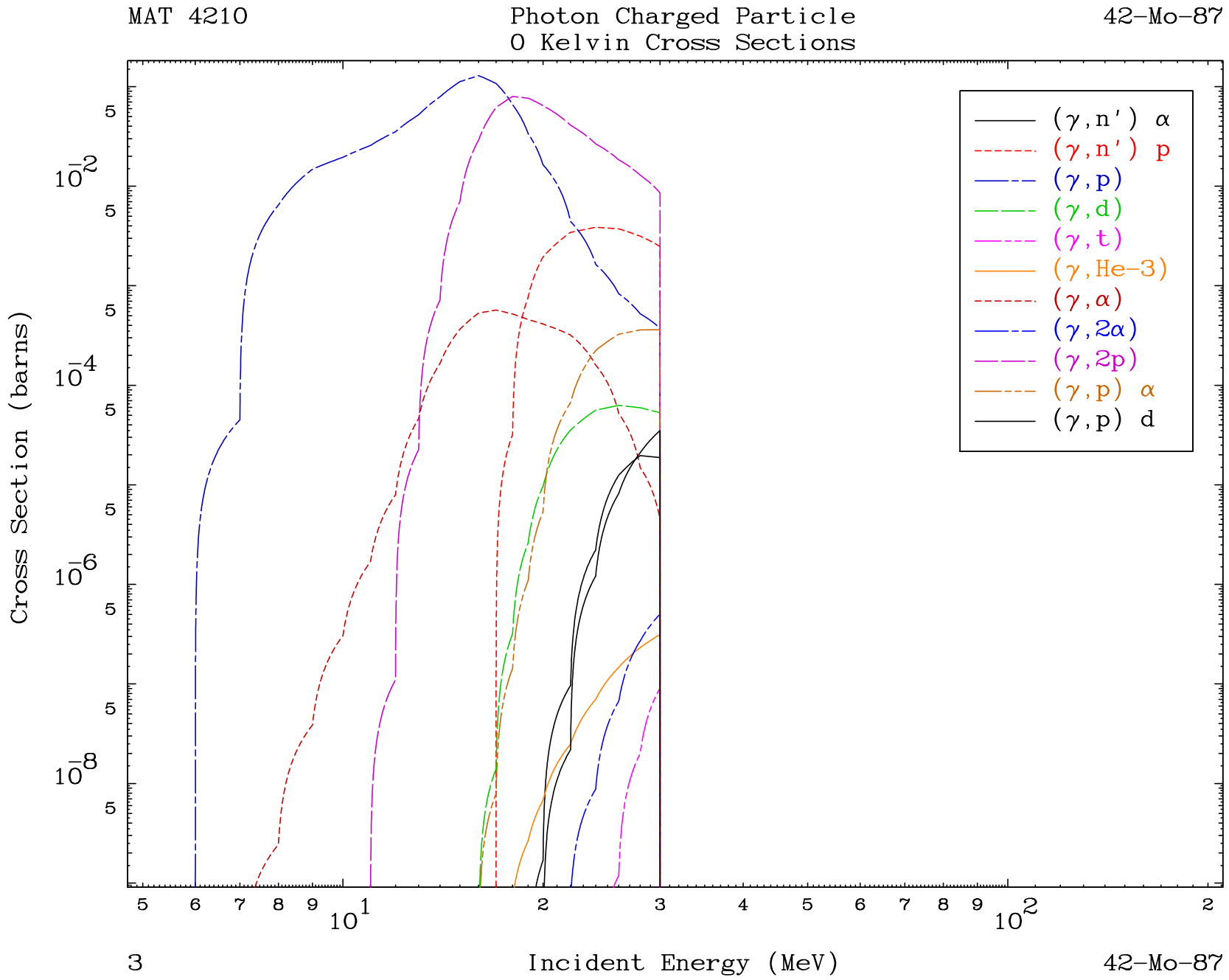
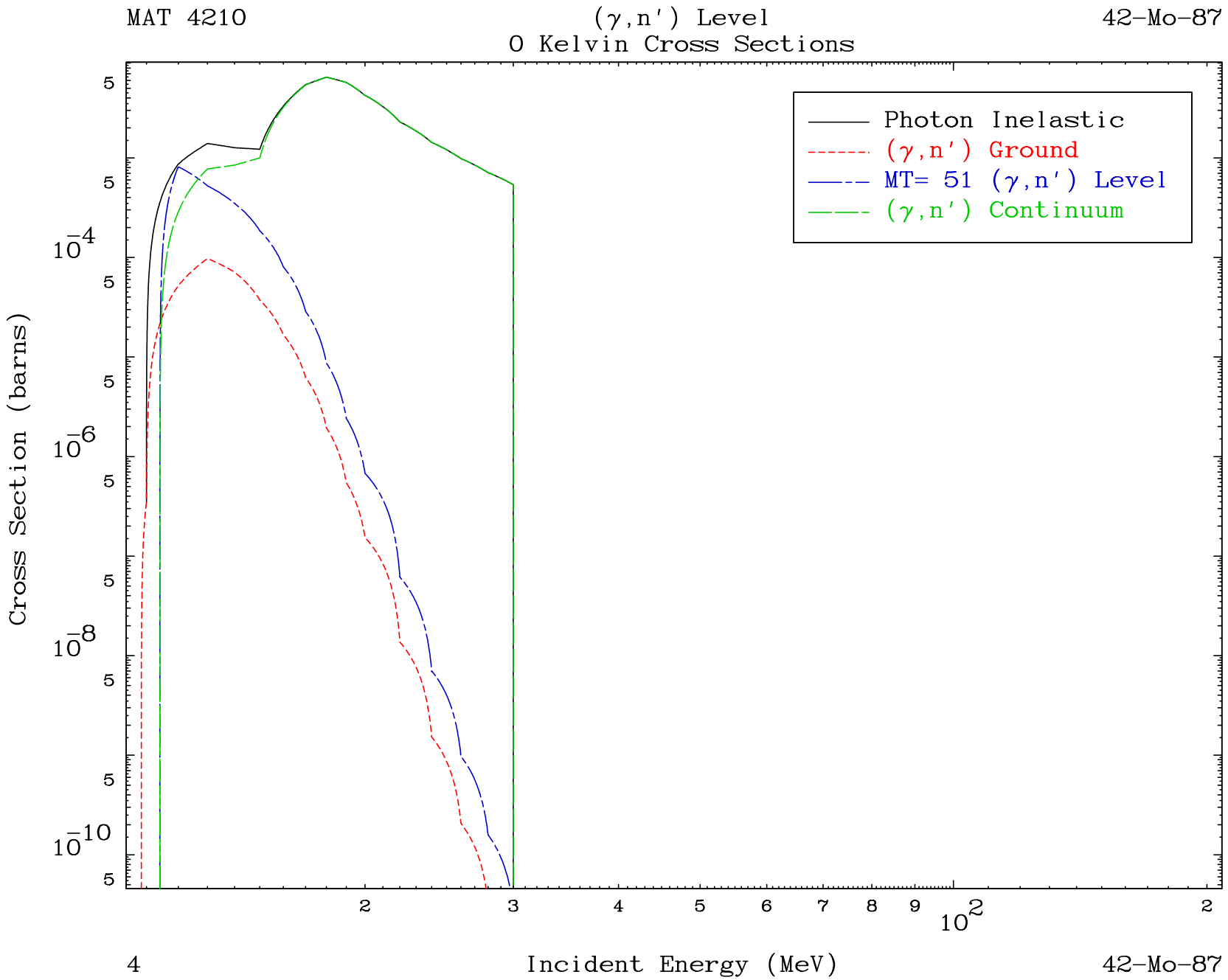
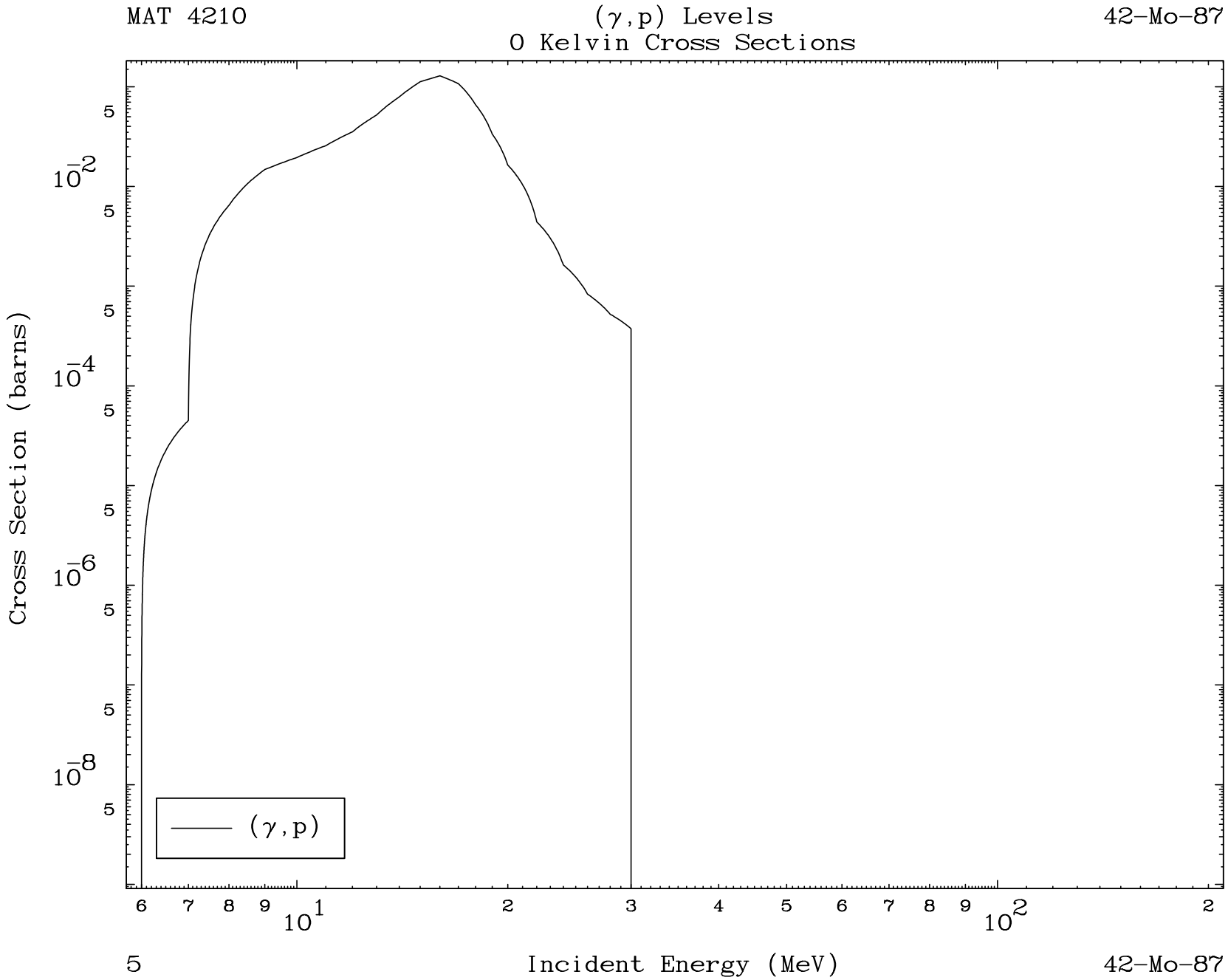
Press Mouse Button to Start

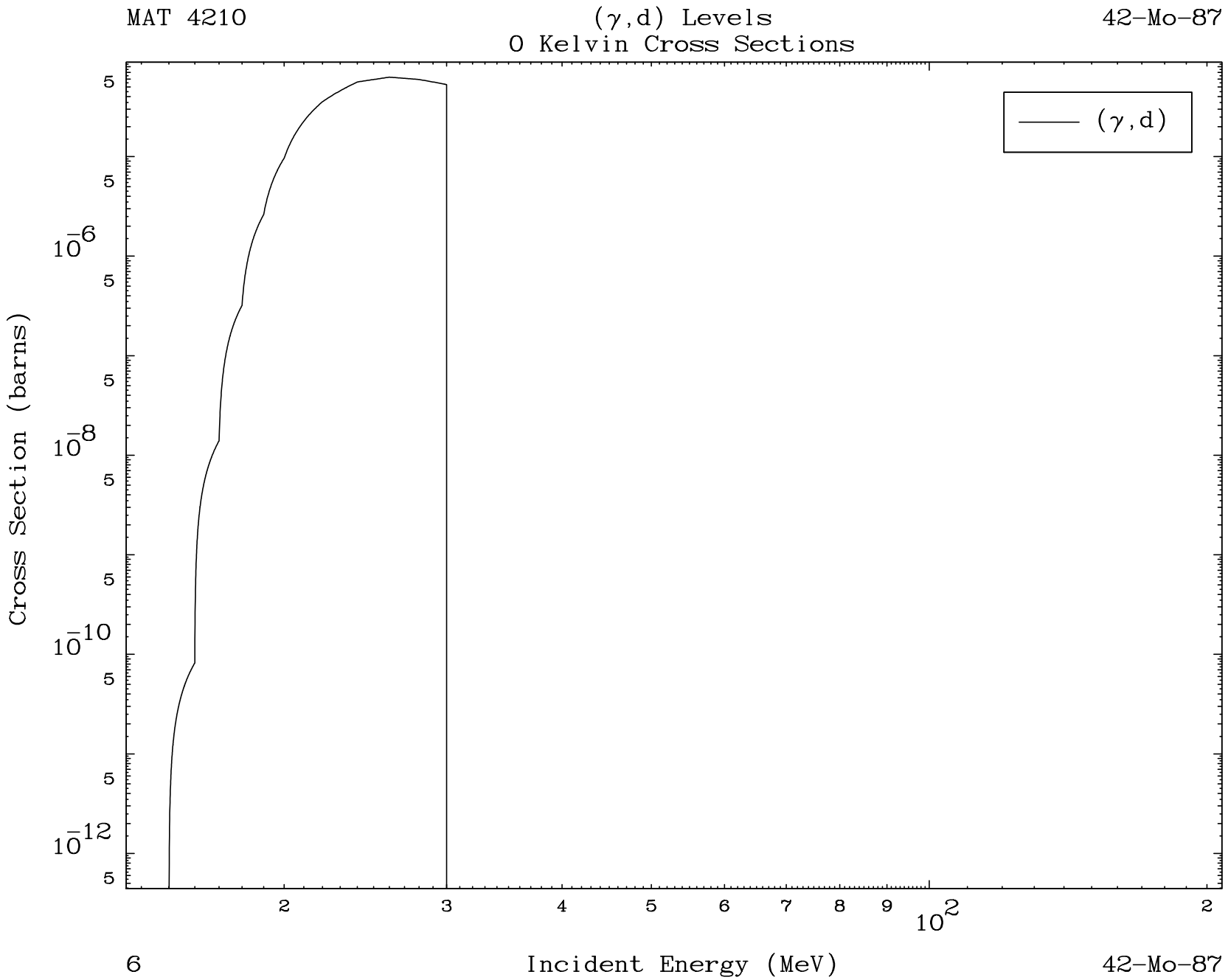

MAT 4210
Photon Major
42-Mo-87
0 Kelvin Cross Sections
Cross Section (barns)
Photon Inelastic
(γ,remainder)
(γ,γ)
Incident Energy (MeV)
42-Mo-87

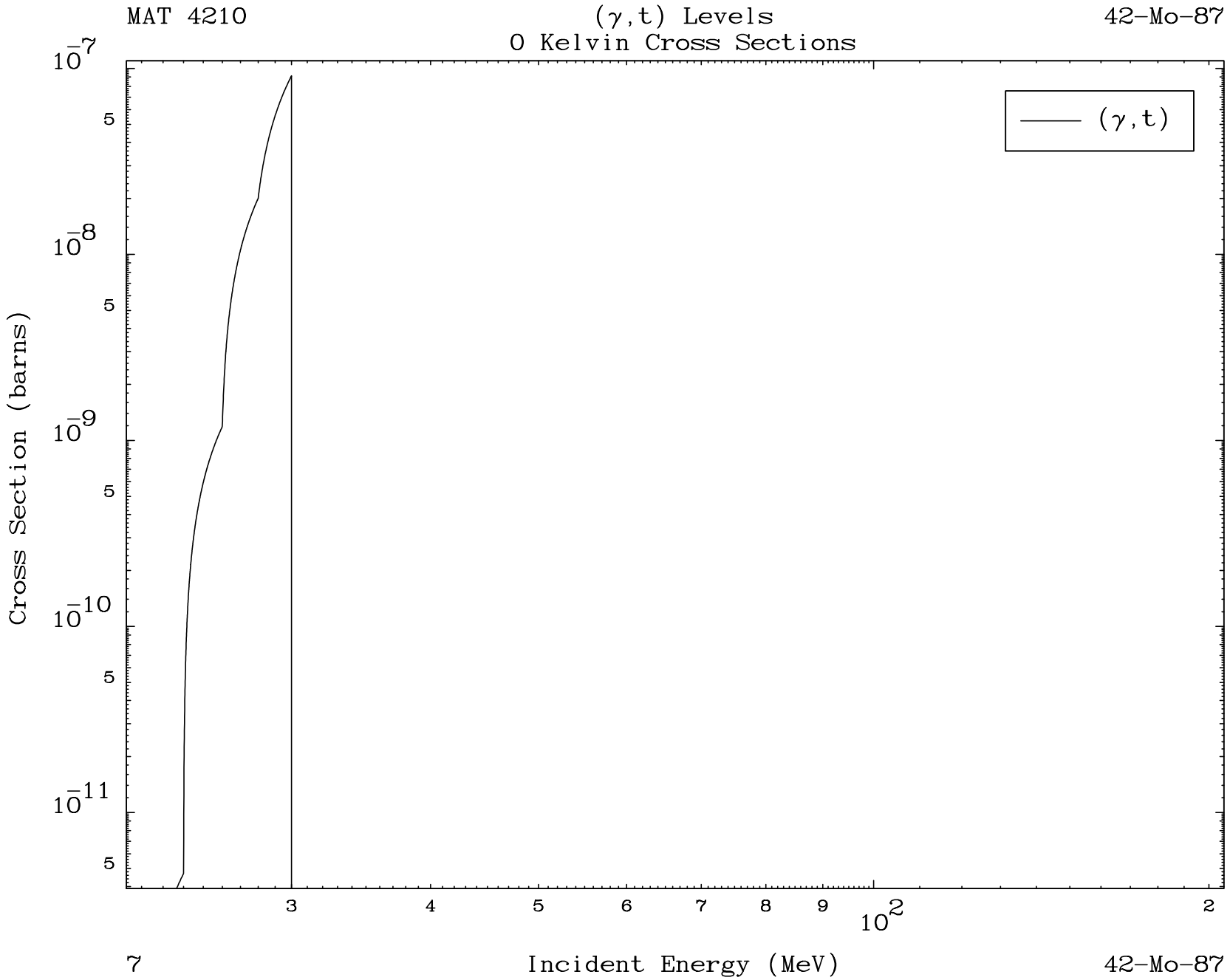

MAT 4210
Photon Neutron Production
0 Kelvin Cross Sections
42-Mo-87
(γ,2n)
(γ,n') α
(γ,n') p
Cross Section (barns)
Incident Energy (MeV)
42-Mo-87

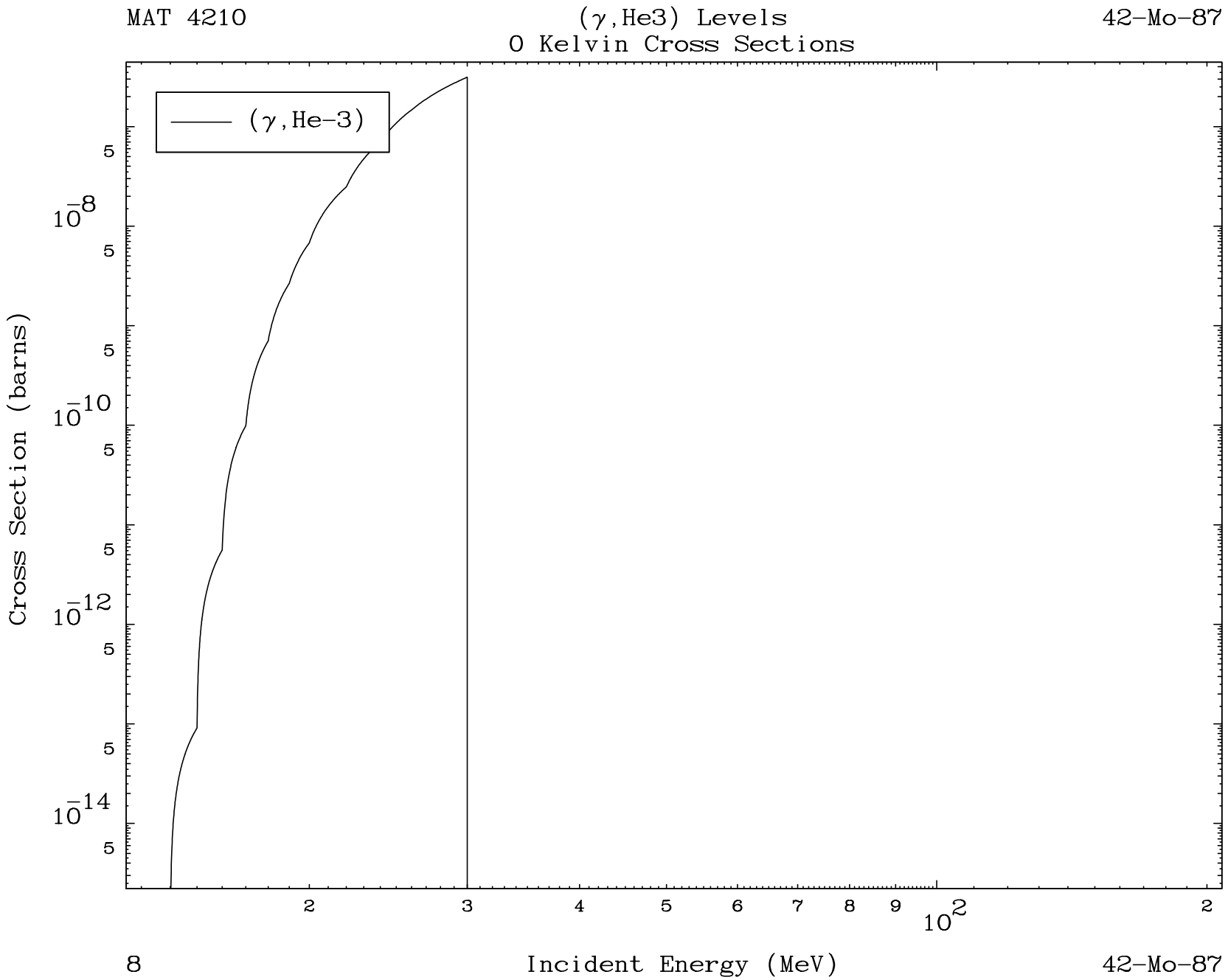

MAT 4210
Photon Charged Particle
0 Kelvin Cross Sections
42-Mo-87
(γ,n') α
(γ,n') p
(γ,p)
(γ,d)
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
Cross Section (barns)
Incident Energy (MeV)
3
42-Mo-87

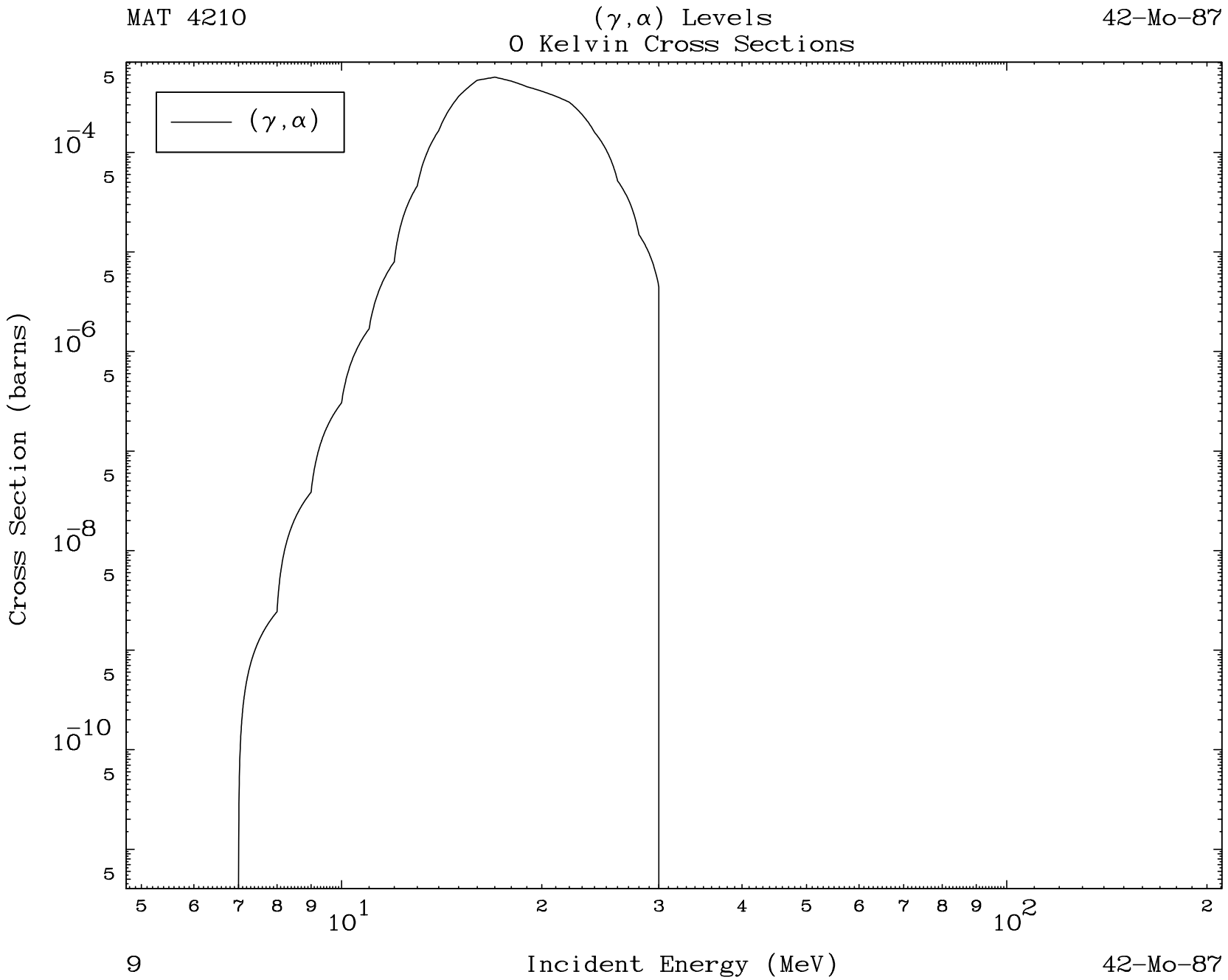

MAT 4210
(γ,n') Level
42-Mo-87
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
4
42-Mo-87

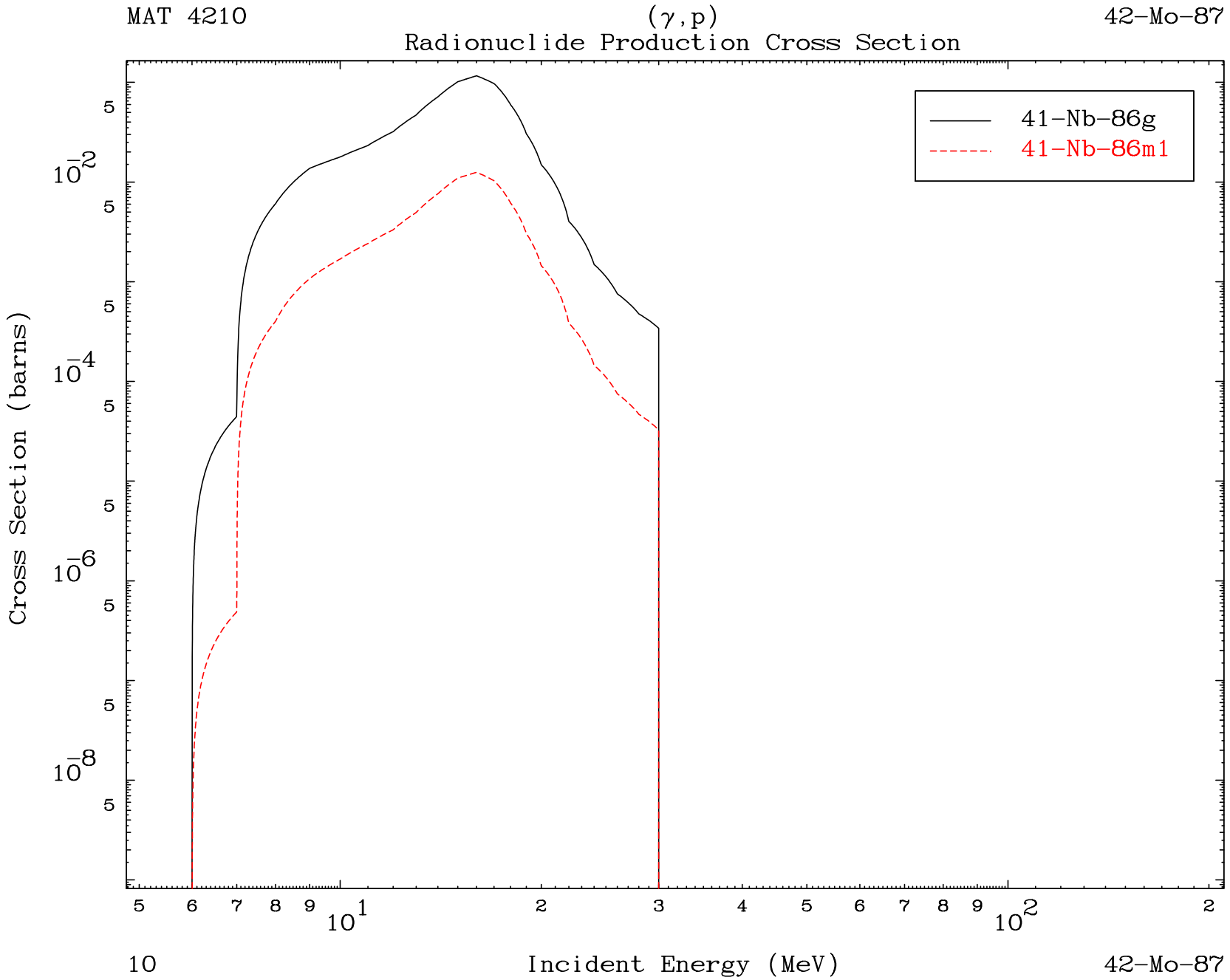

MAT 4210
(γ,p) Levels
42-Mo-87
0 Kelvin Cross Sections
Cross Section (barns)
10-2
10-4
10-6
10-8
(γ,p)
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
5
Incident Energy (MeV)
42-Mo-87

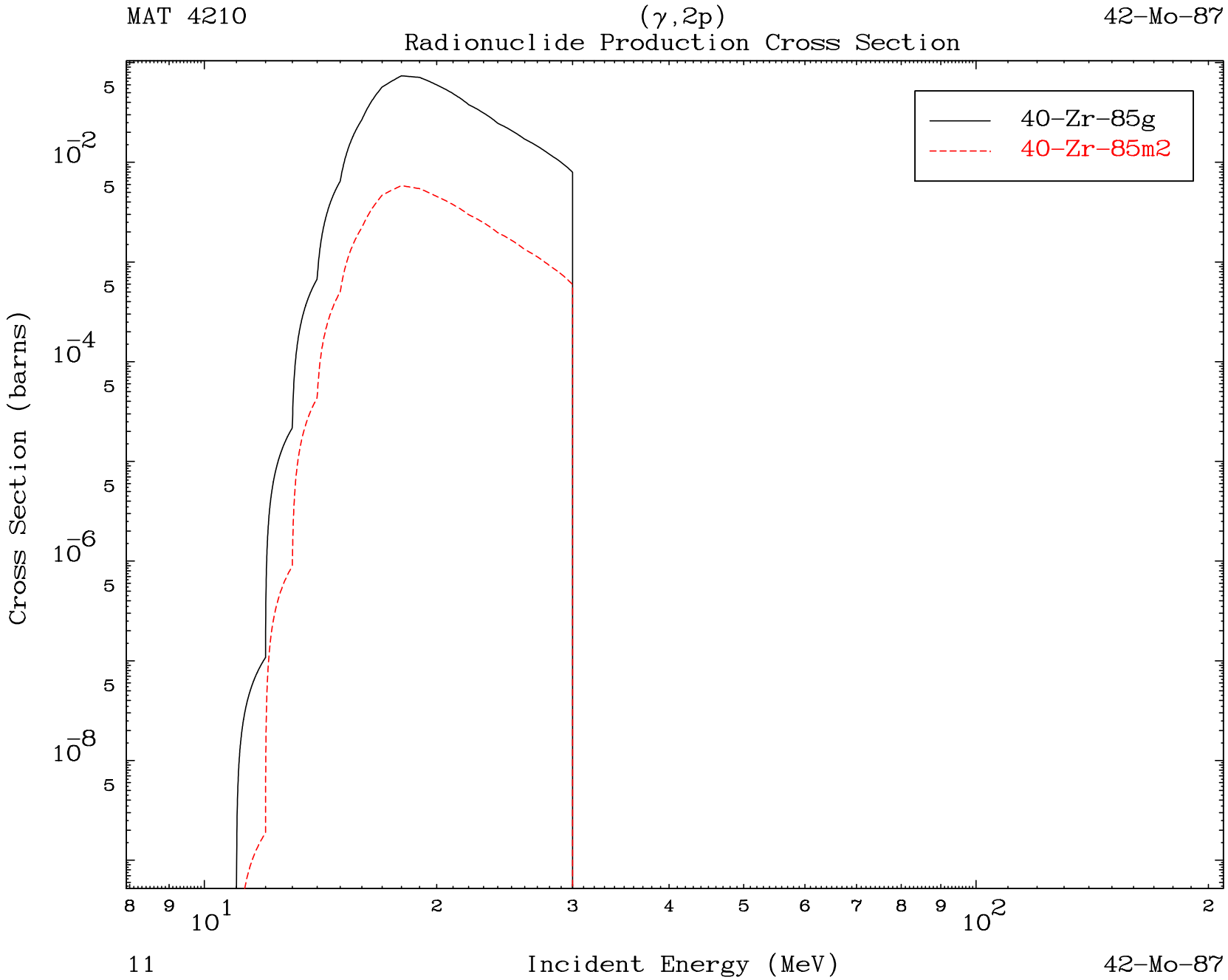

MAT 4210
(γ,d) Levels
42-Mo-87
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
6
Incident Energy (MeV)
42-Mo-87


MAT 4210
(γ,t) Levels
42-Mo-87
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-7
5
10^-8
5
10^-9
5
10^-10
5
10^-11
5
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
42-Mo-87


MAT 4210
(γ,He3) Levels
42-Mo-87
0 Kelvin Cross Sections
(γ,He-3)
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)
8
42-Mo-87


MAT 4210
(γ,α) Levels
0 Kelvin Cross Sections
42-Mo-87
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
9
42-Mo-87


MAT 4210
(γ,p)
42-Mo-87
Radionuclide Production Cross Section
41-Nb-86g
41-Nb-86m1
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^1
10^2
Incident Energy (MeV)
10
42-Mo-87


MAT 4210
(γ,2p)
42-Mo-87
Radionuclide Production Cross Section
40-Zr-85g
40-Zr-85m2
Cross Section (barns)
Incident Energy (MeV)
11
42-Mo-87