Program EVALPLOT
(Version 2017-1)
by
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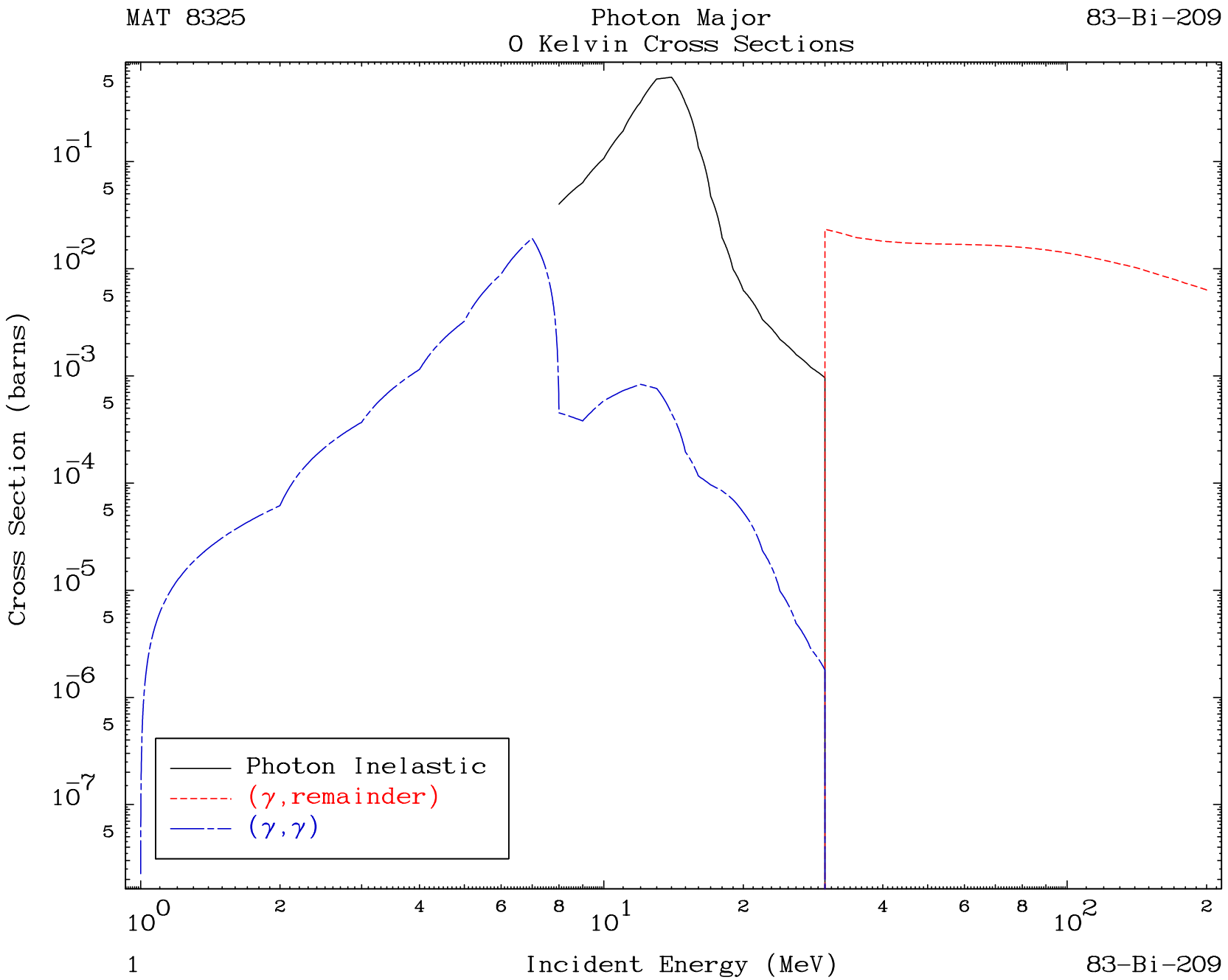
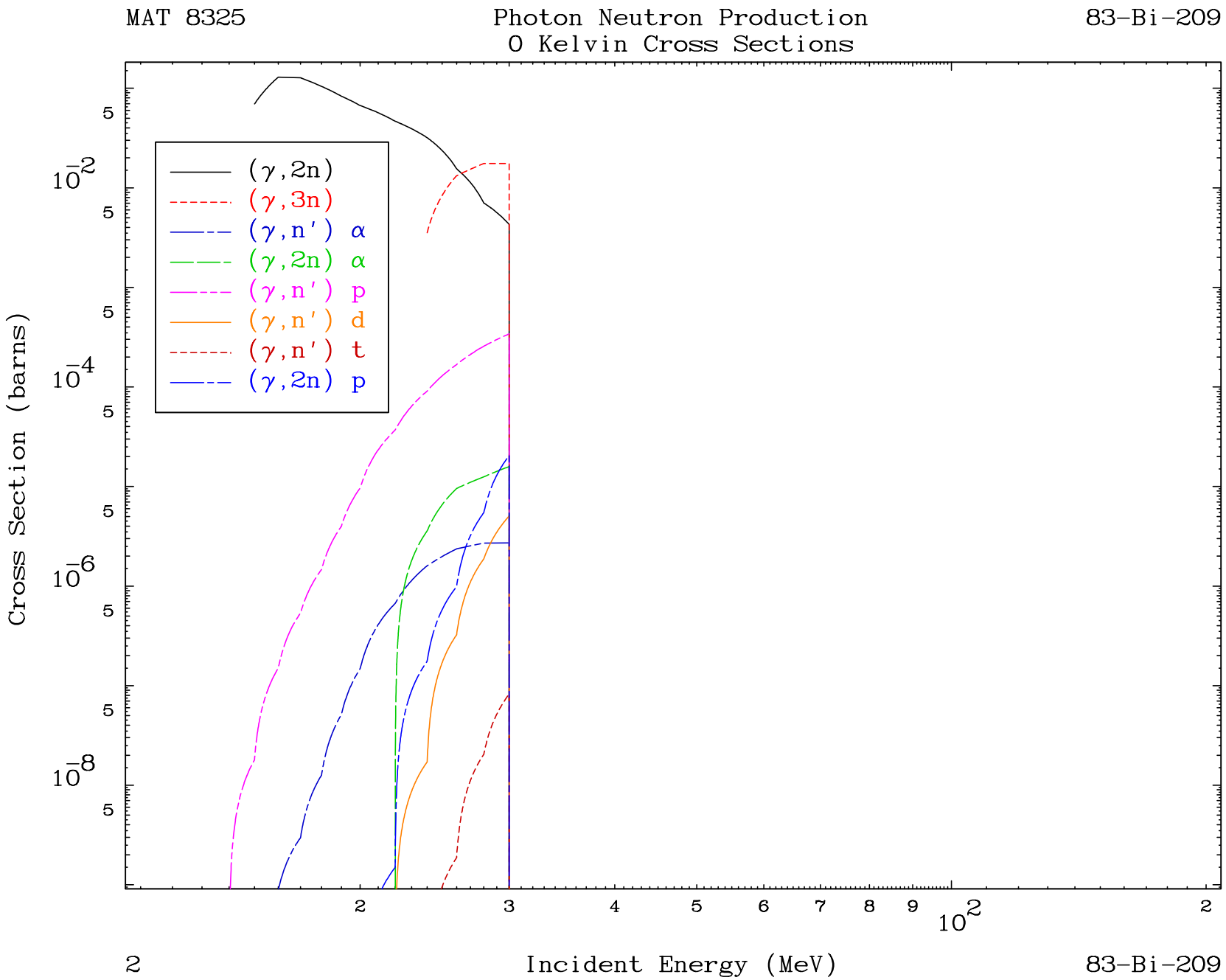
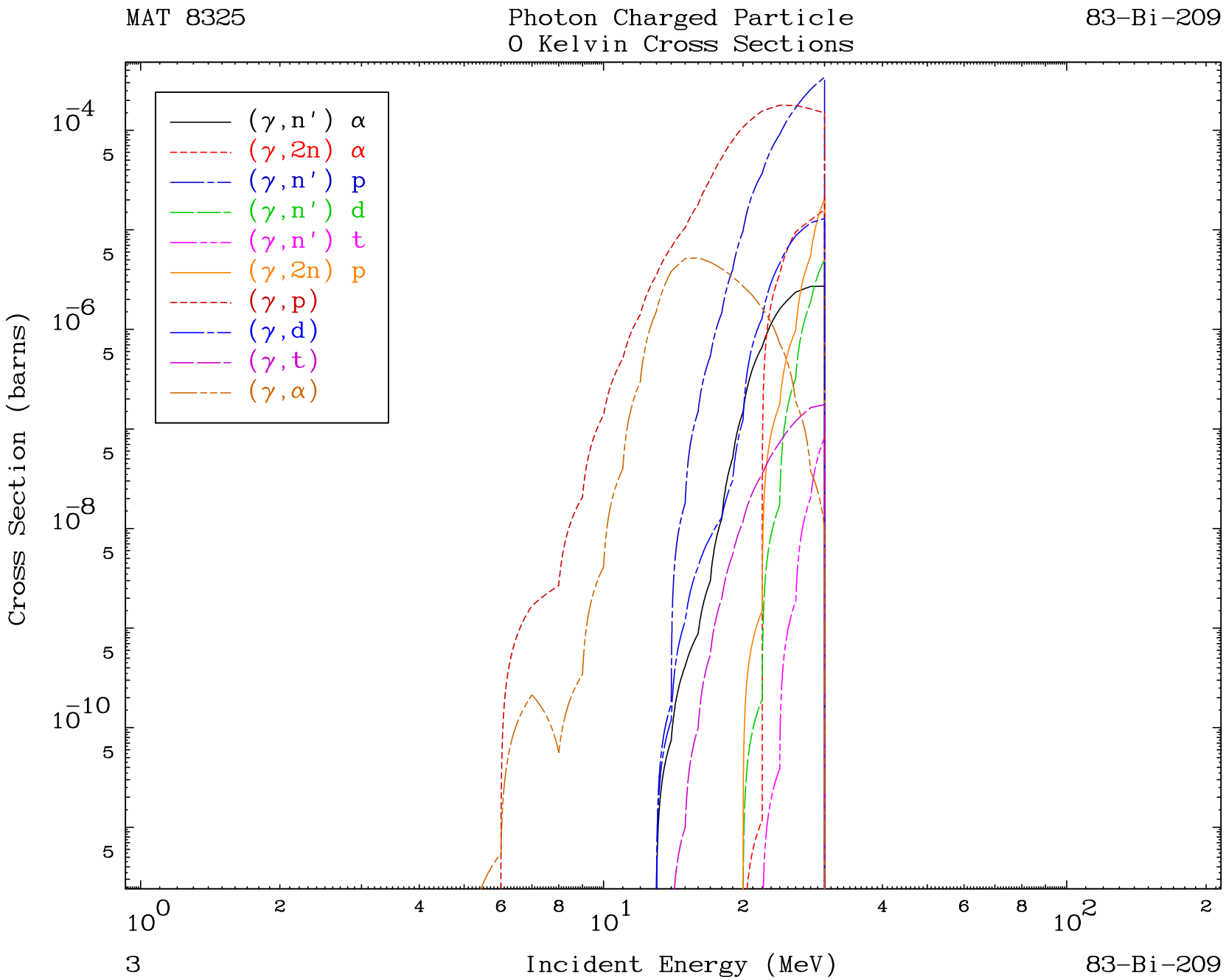
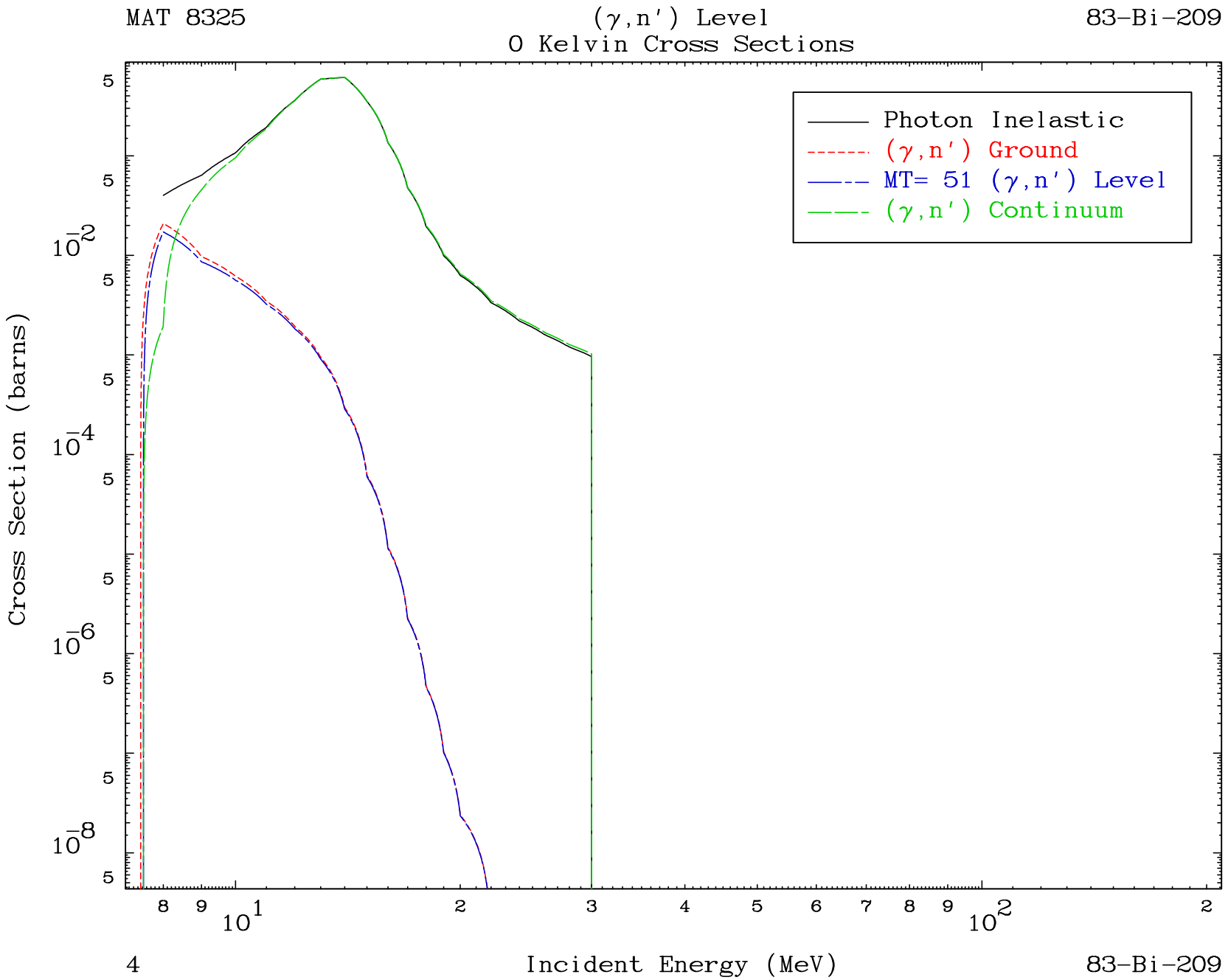
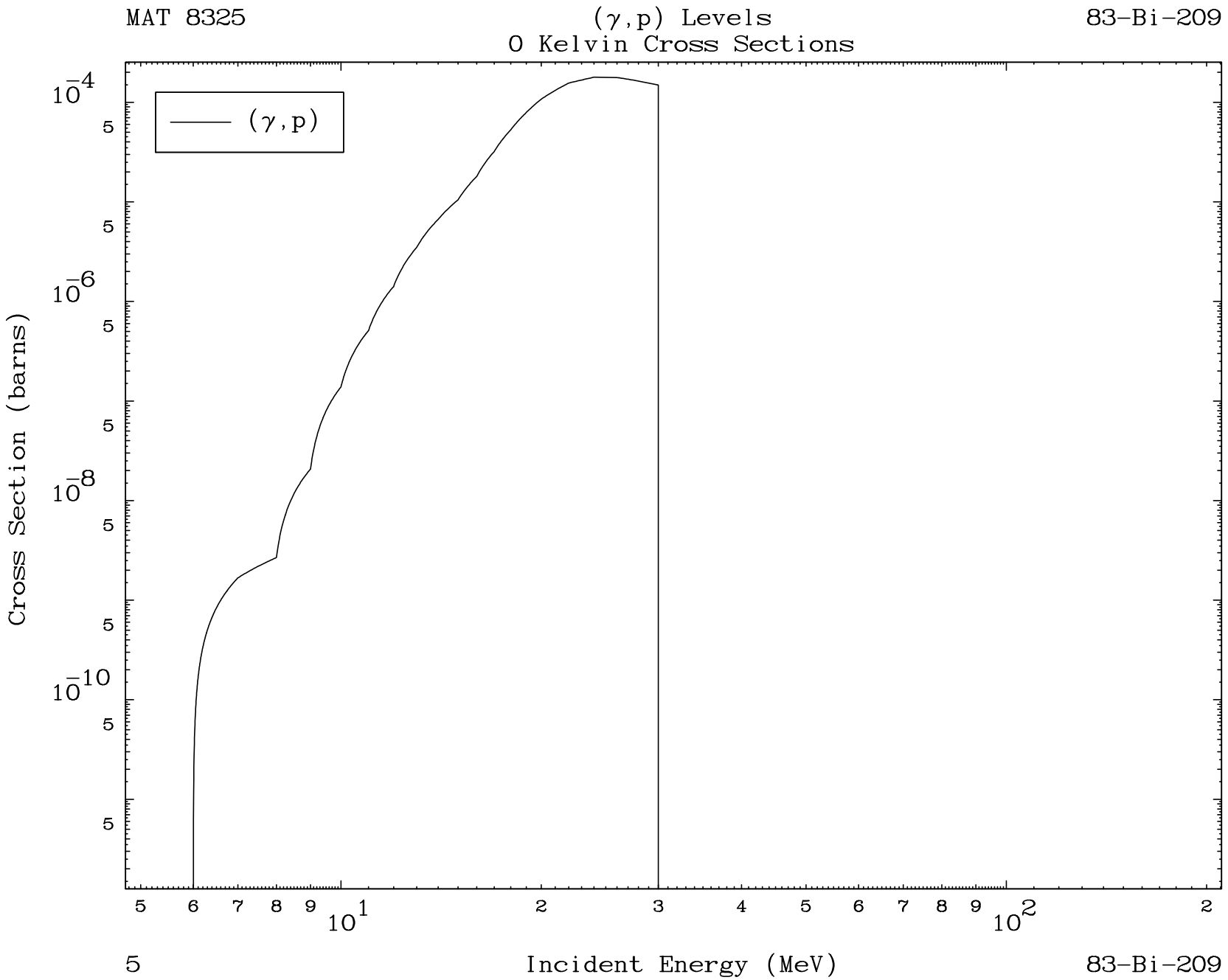
Press Mouse Button to Start

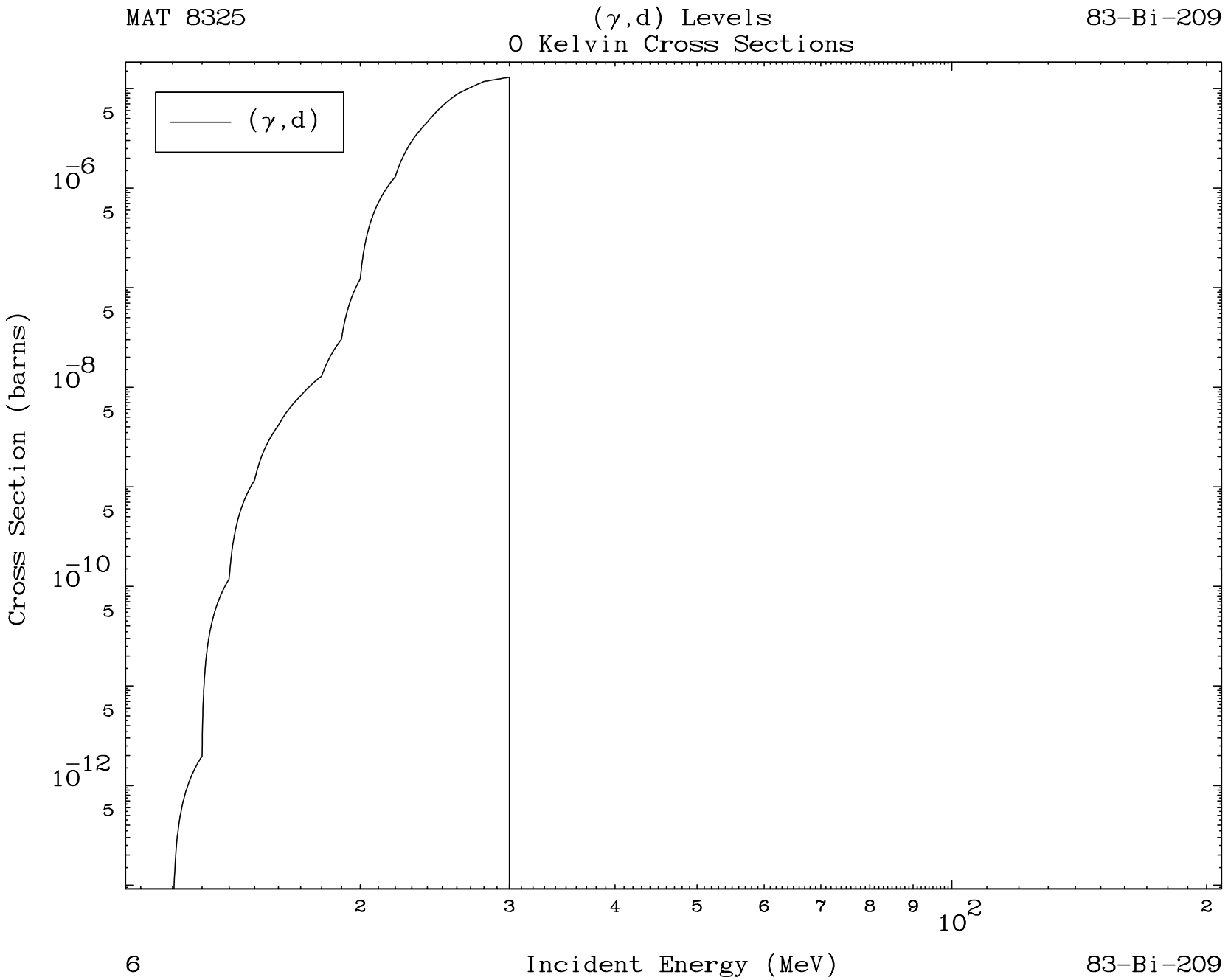

MAT 8325
Photon Major
83-Bi-209
0 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
83-Bi-209
Photon Inelastic
(γ,remainder)
(γ,γ)

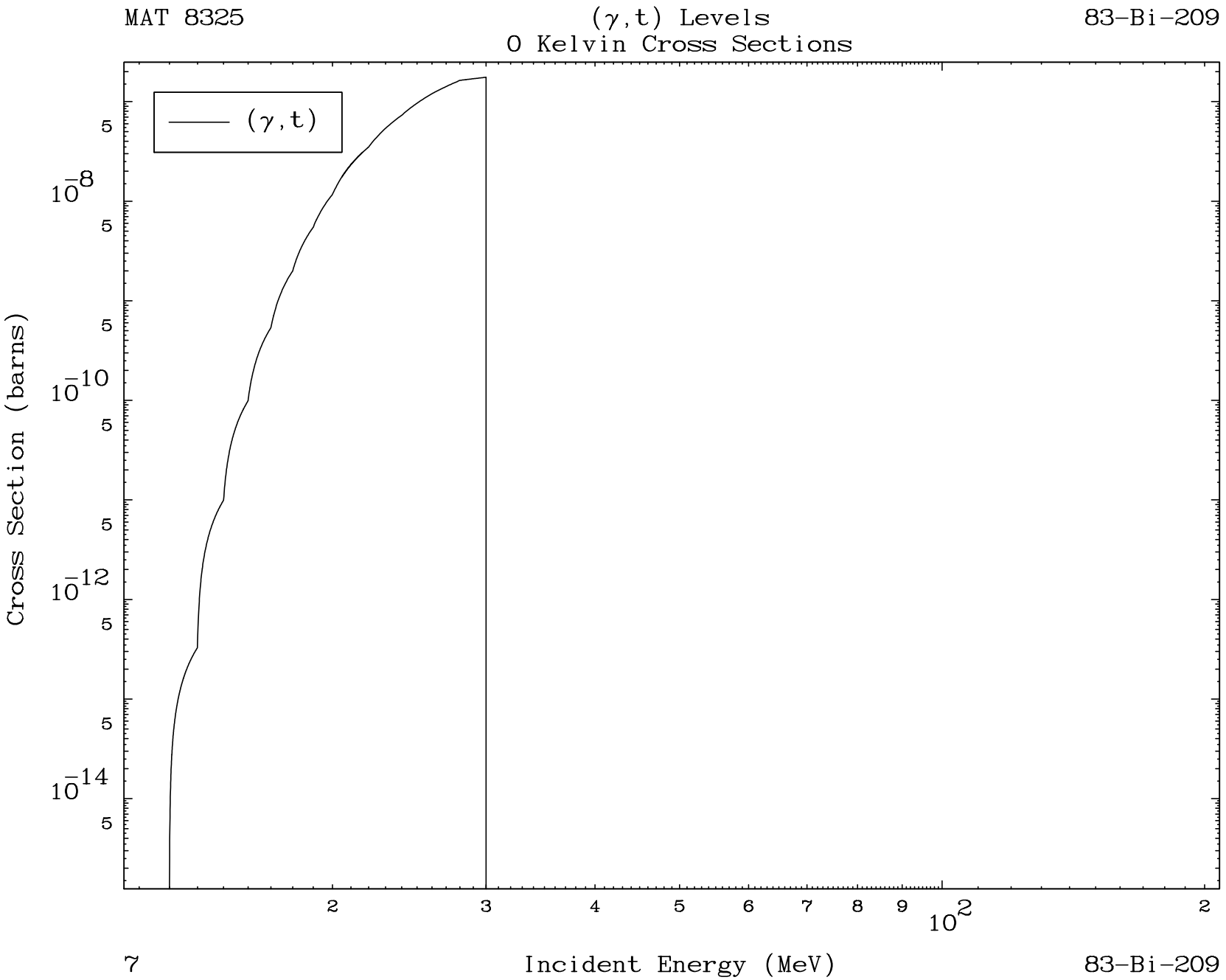

MAT 8325
Photon Neutron Production
0 Kelvin Cross Sections
83-Bi-209
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
83-Bi-209

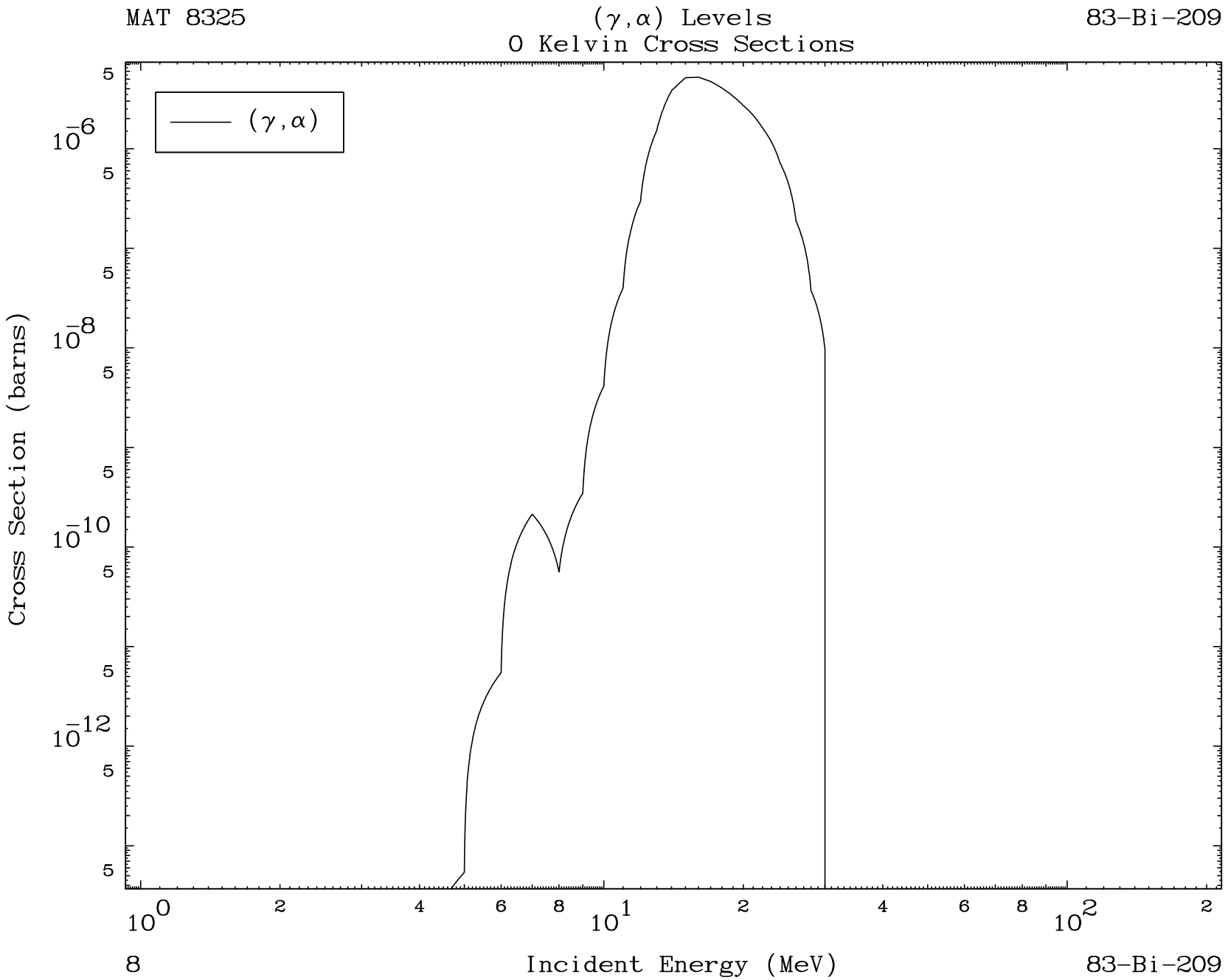

MAT 8325
Photon Charged Particle
0 Kelvin Cross Sections
83-Bi-209
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
3
83-Bi-209

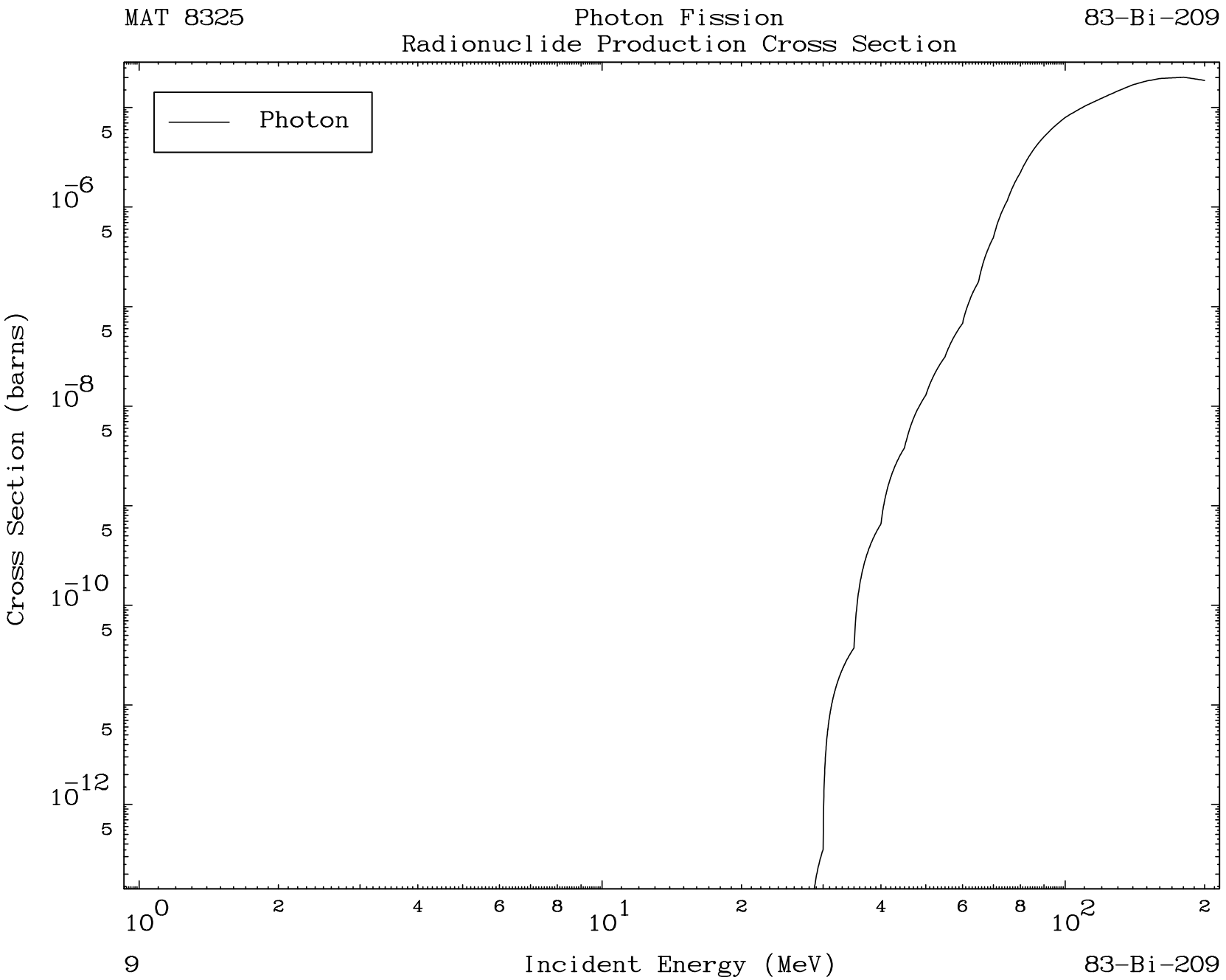

MAT 8325
(γ,n') Level
83-Bi-209
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
4
83-Bi-209

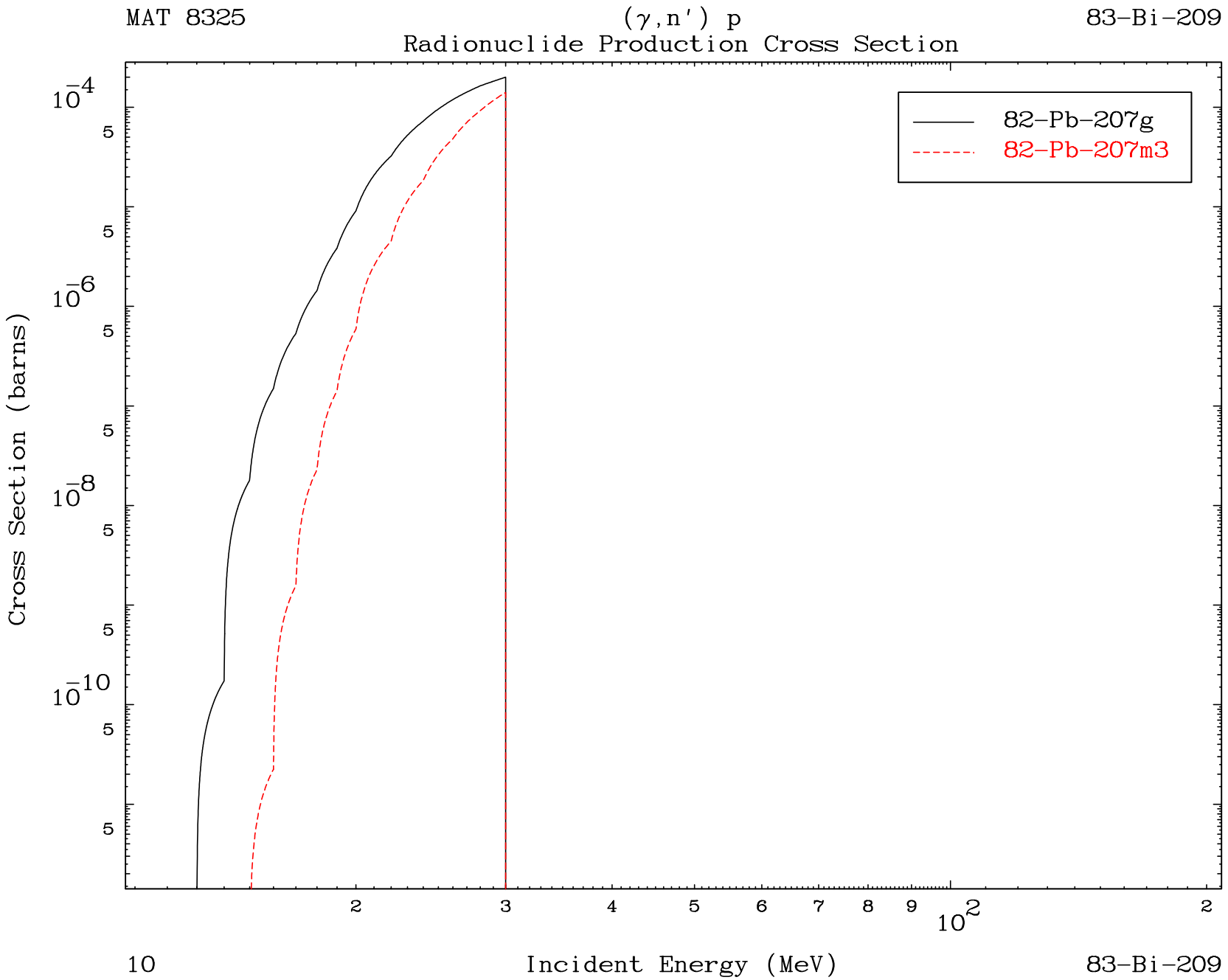

MAT 8325
(γ,p) Levels
83-Bi-209
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
83-Bi-209

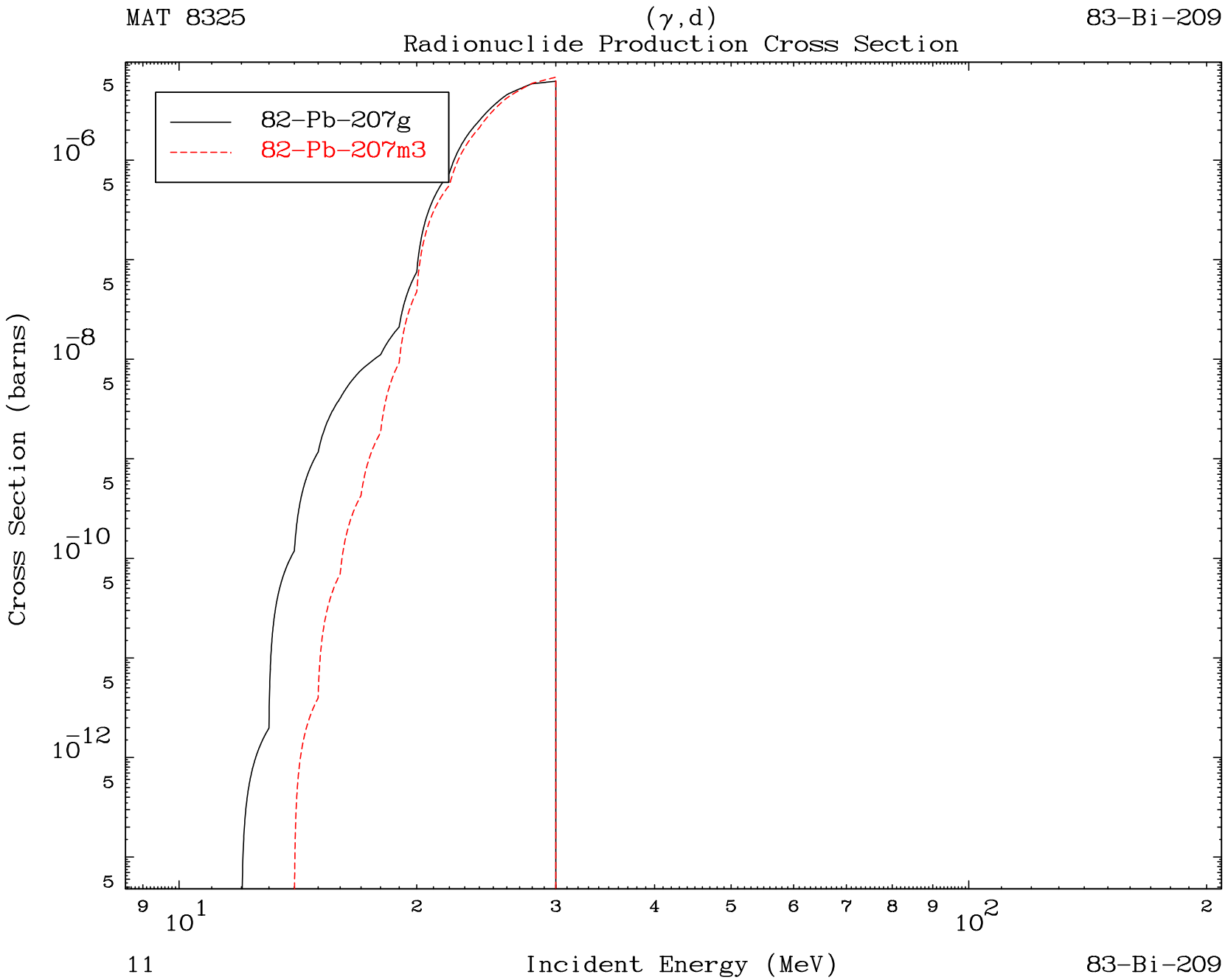

MAT 8325
(γ,d) Levels
83-Bi-209
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
6
Incident Energy (MeV)
83-Bi-209


MAT 8325
(γ,t) Levels
83-Bi-209
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
83-Bi-209


MAT 8325
(γ,α) Levels
83-Bi-209
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
83-Bi-209
8


MAT 8325
Photon Fission
83-Bi-209
Radionuclide Production Cross Section
Photon
Cross Section (barns)
10-6
10-8
10-10
10-12
100
101
102
Incident Energy (MeV)
9
83-Bi-209


MAT 8325
(γ,n') p
83-Bi-209
Radionuclide Production Cross Section
82-Pb-207g
82-Pb-207m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
83-Bi-209


MAT 8325
(γ,d)
83-Bi-209
Radionuclide Production Cross Section
82-Pb-207g
82-Pb-207m3
Cross Section (barns)
Incident Energy (MeV)
11
83-Bi-209