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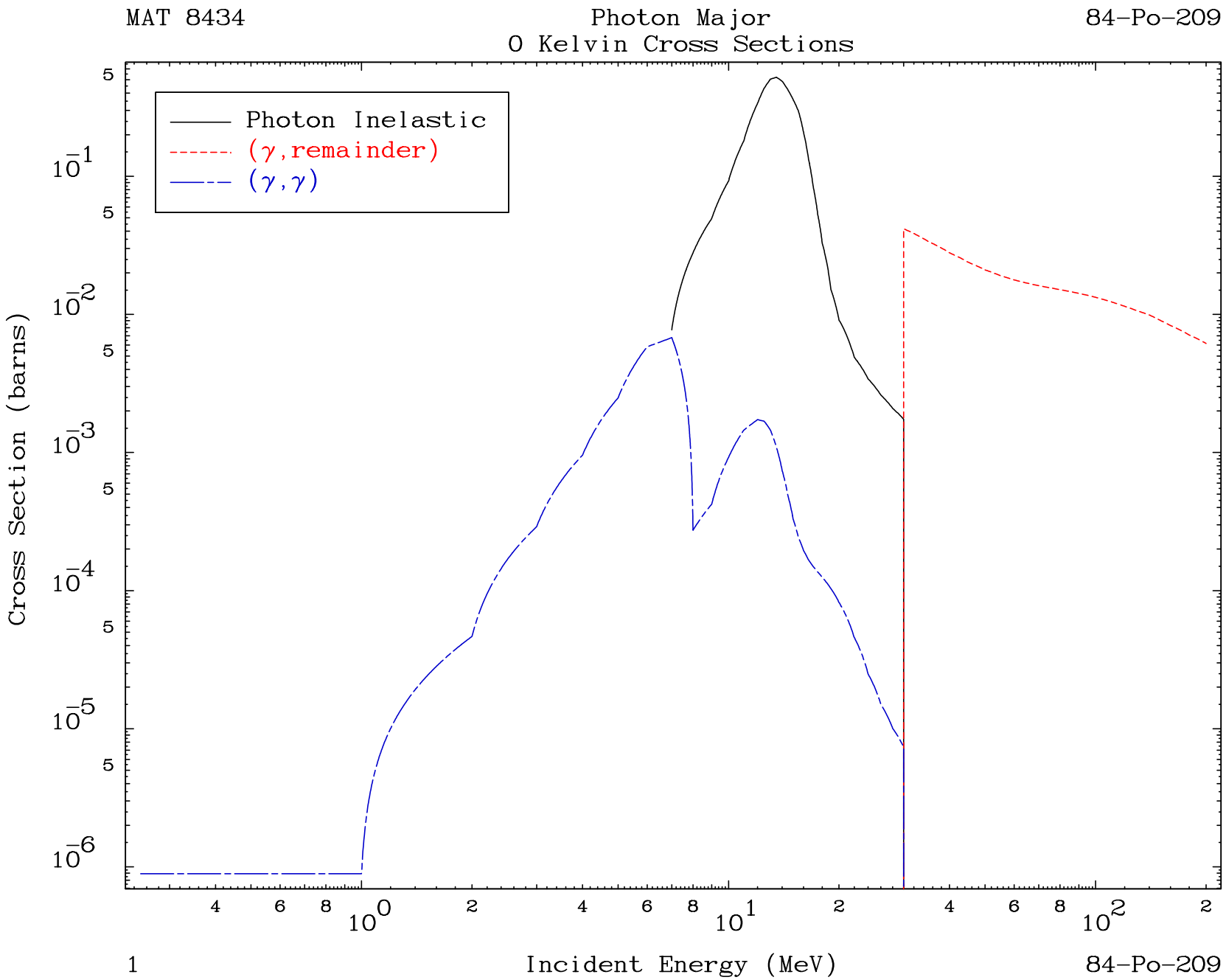
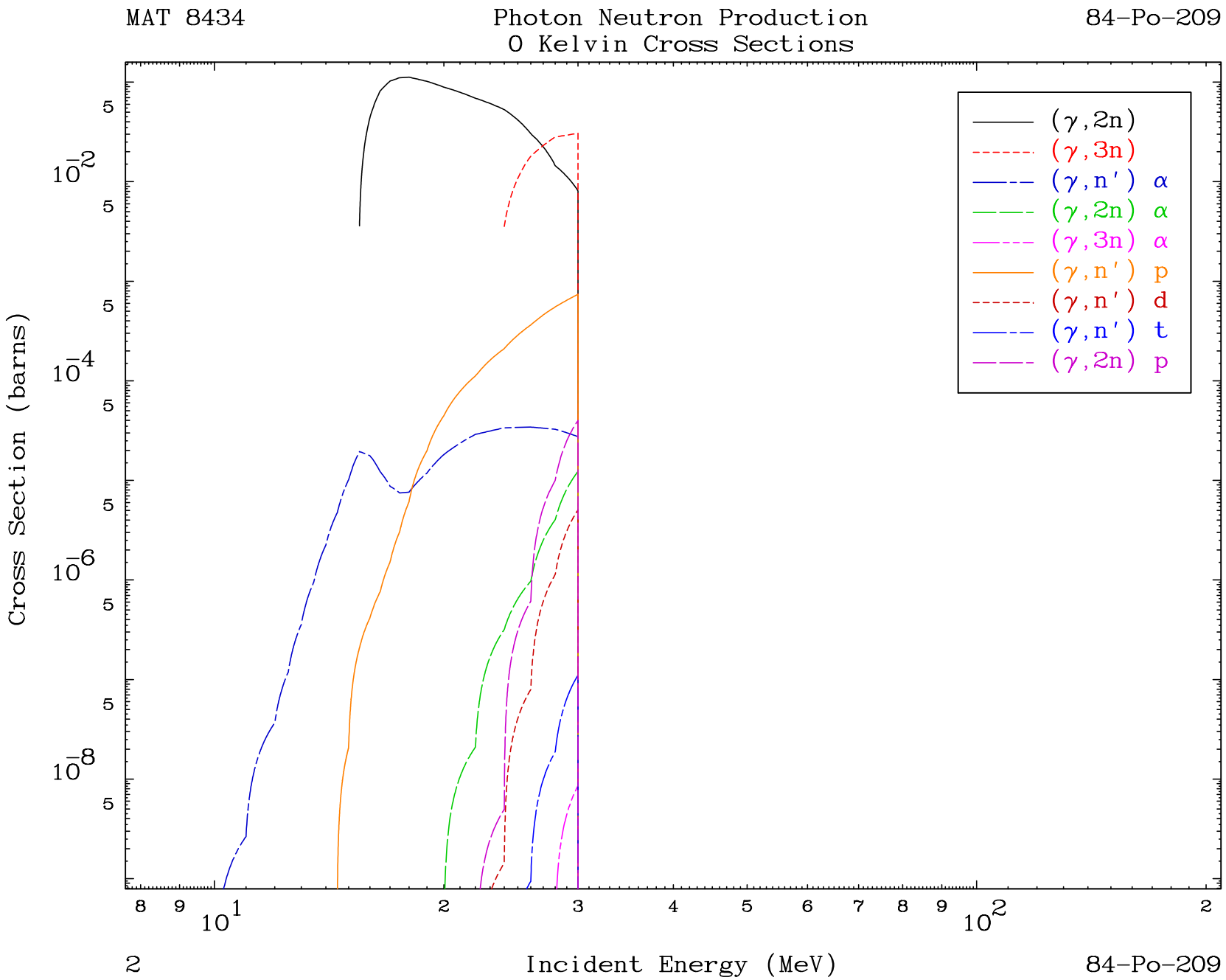
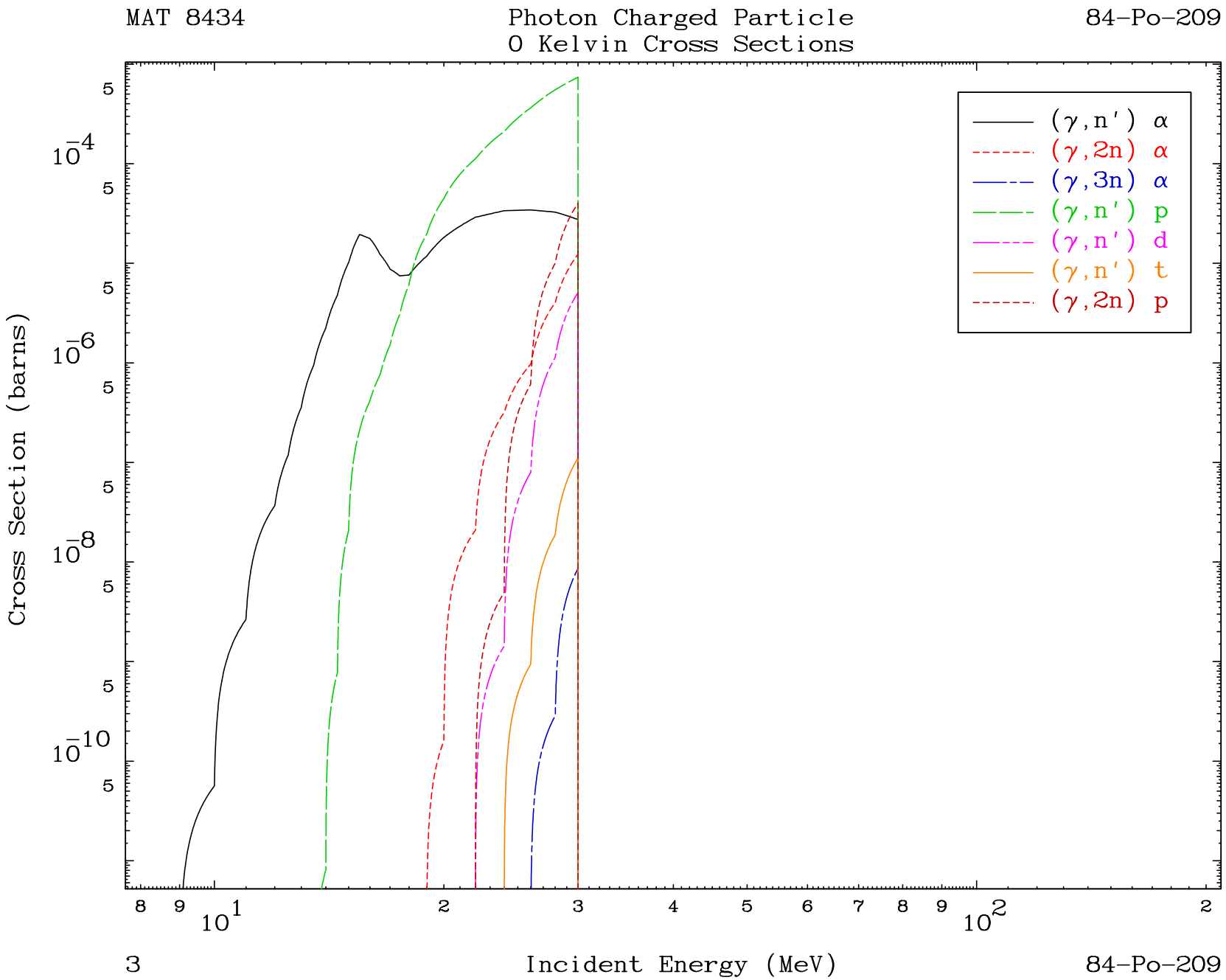
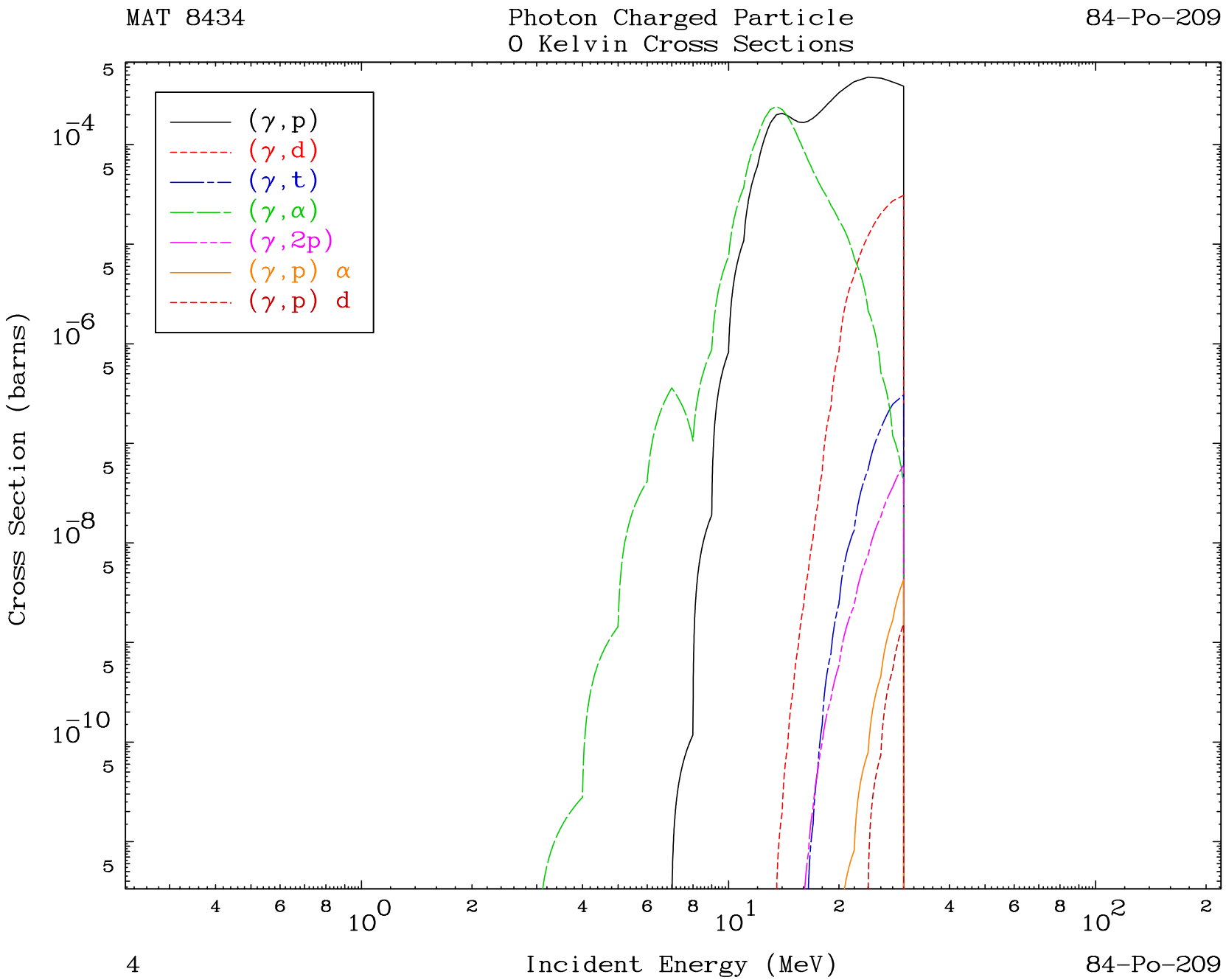
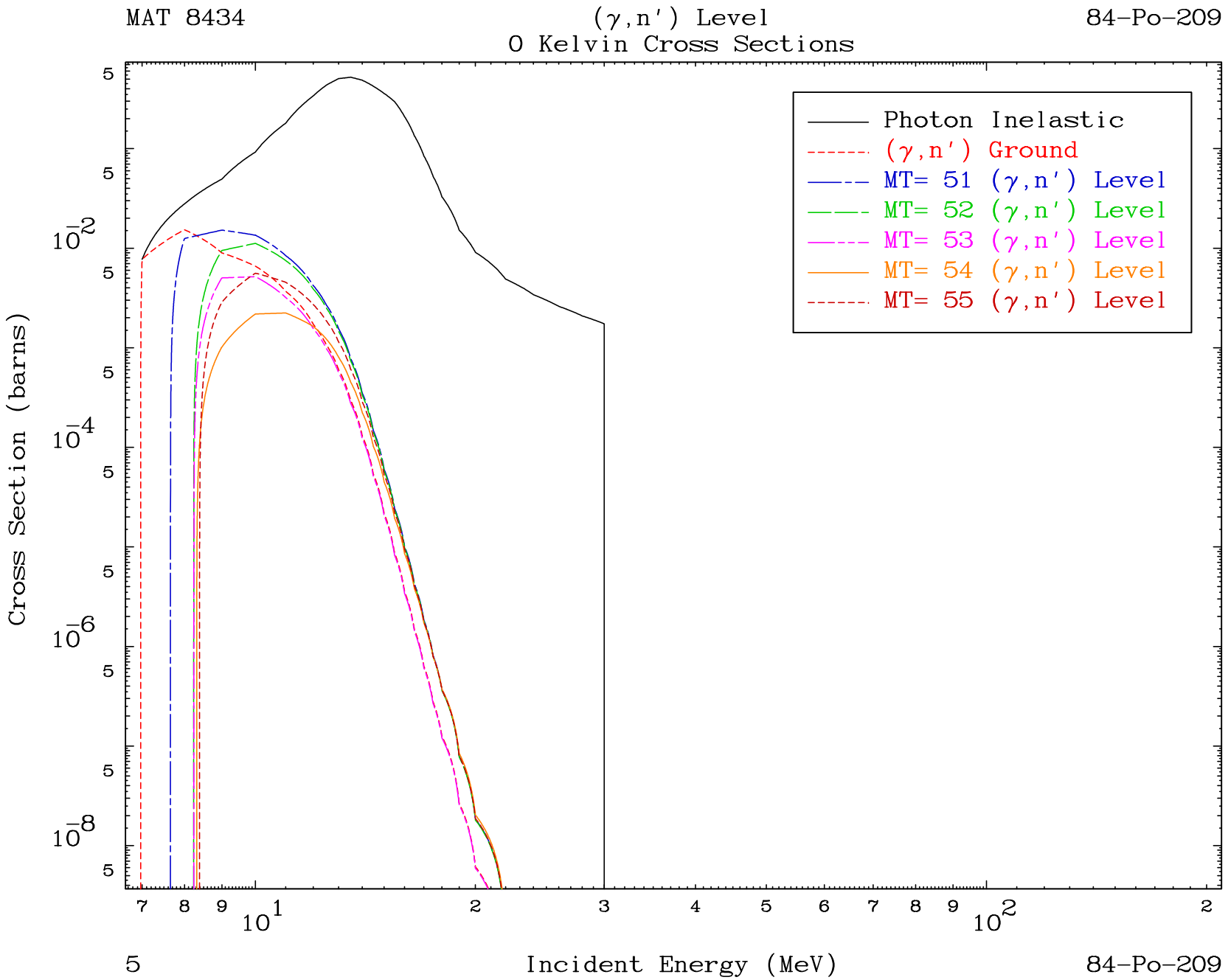
Press Mouse Button to Start

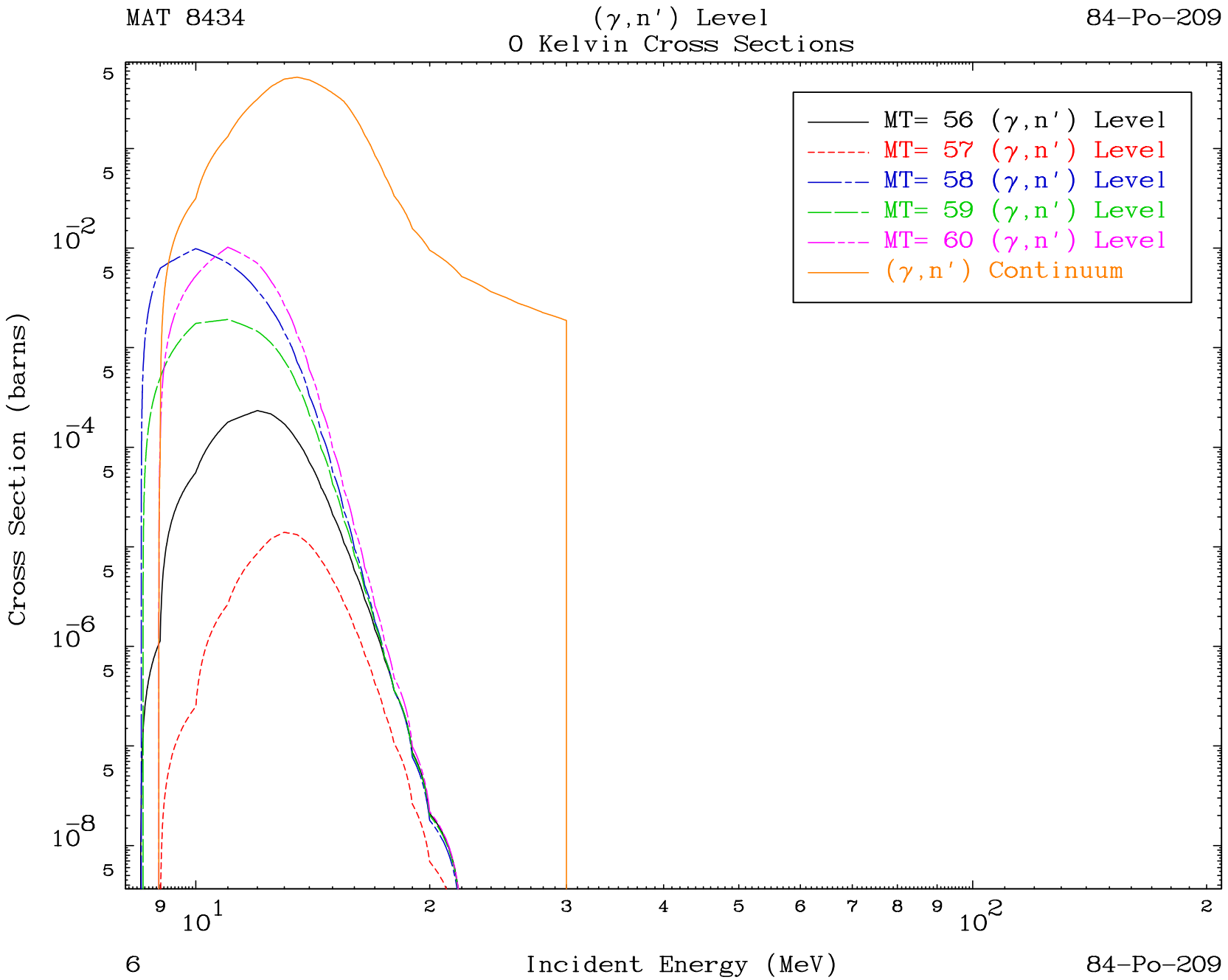

MAT 8434
Photon Major
84-Po-209
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
84-Po-209
1

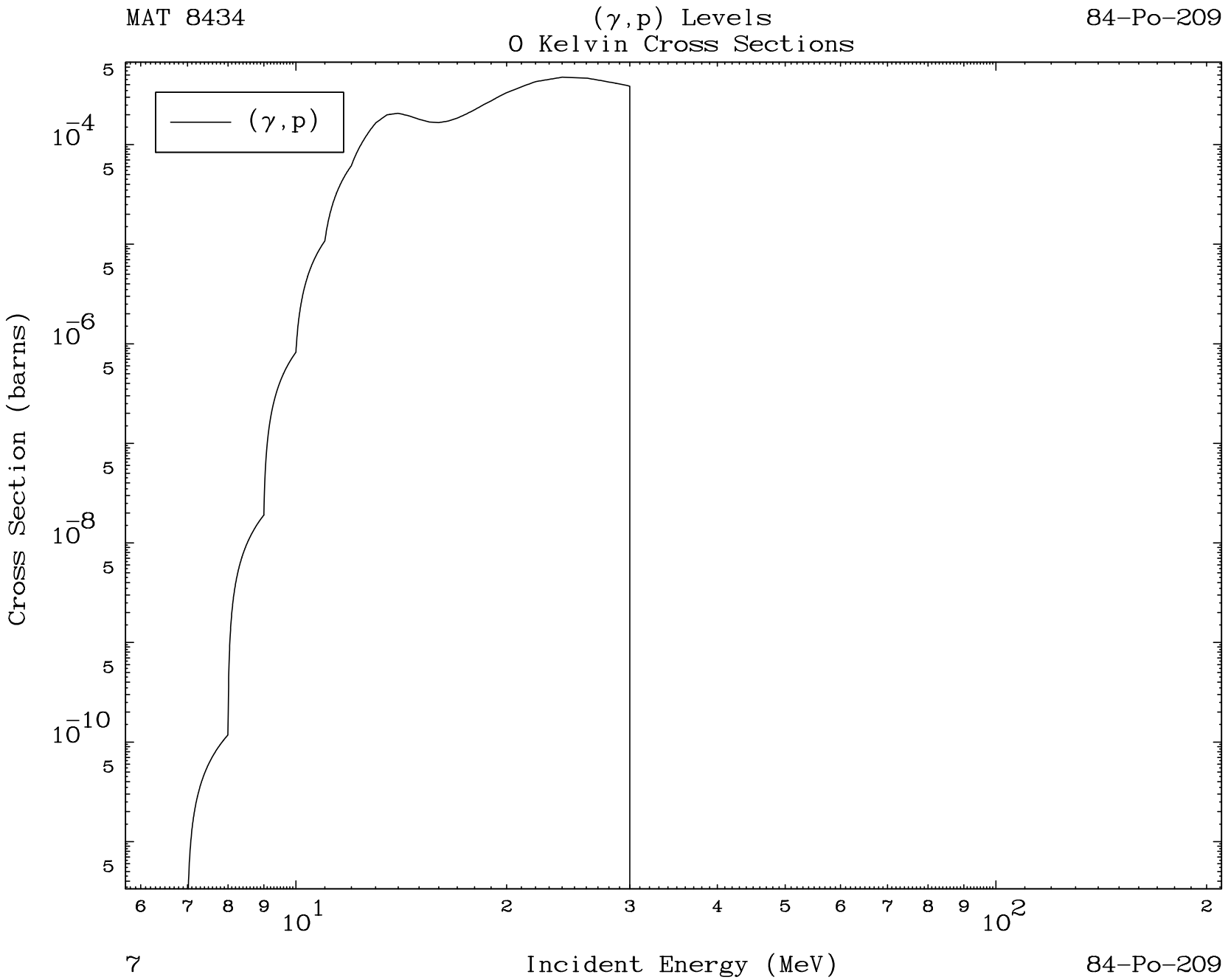

MAT 8434
Photon Neutron Production
0 Kelvin Cross Sections
84-Po-209
Cross Section (barns)
Incident Energy (MeV)
84-Po-209
2
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p

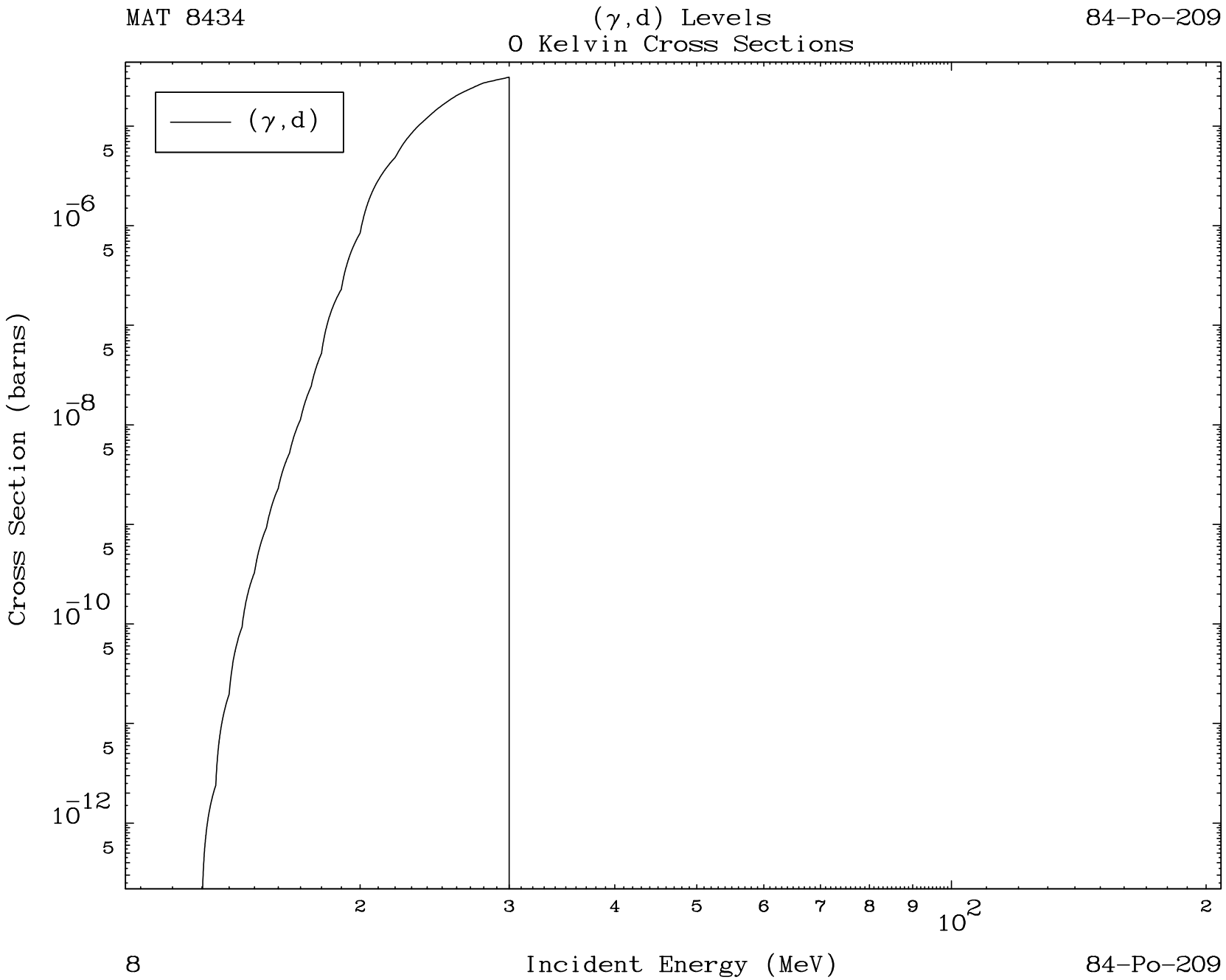

MAT 8434
Photon Charged Particle
0 Kelvin Cross Sections
84-Po-209
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
3
84-Po-209

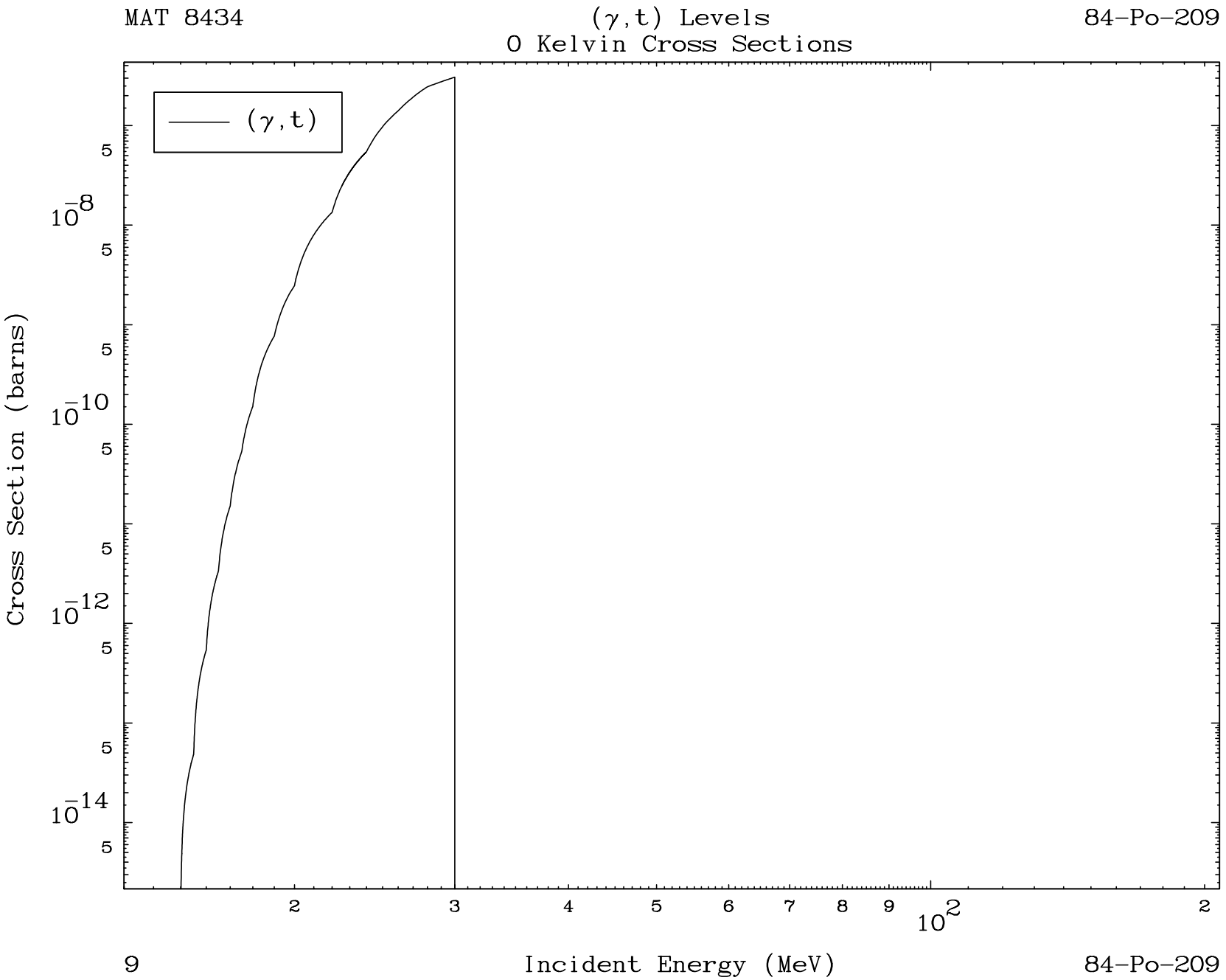

MAT 8434
Photon Charged Particle
0 Kelvin Cross Sections
84-Po-209
(γ,p)
(γ,d)
(γ,t)
(γ,α)
(γ,2p)
(γ,p) α
(γ,p) d
Cross Section (barns)
Incident Energy (MeV)
84-Po-209
4

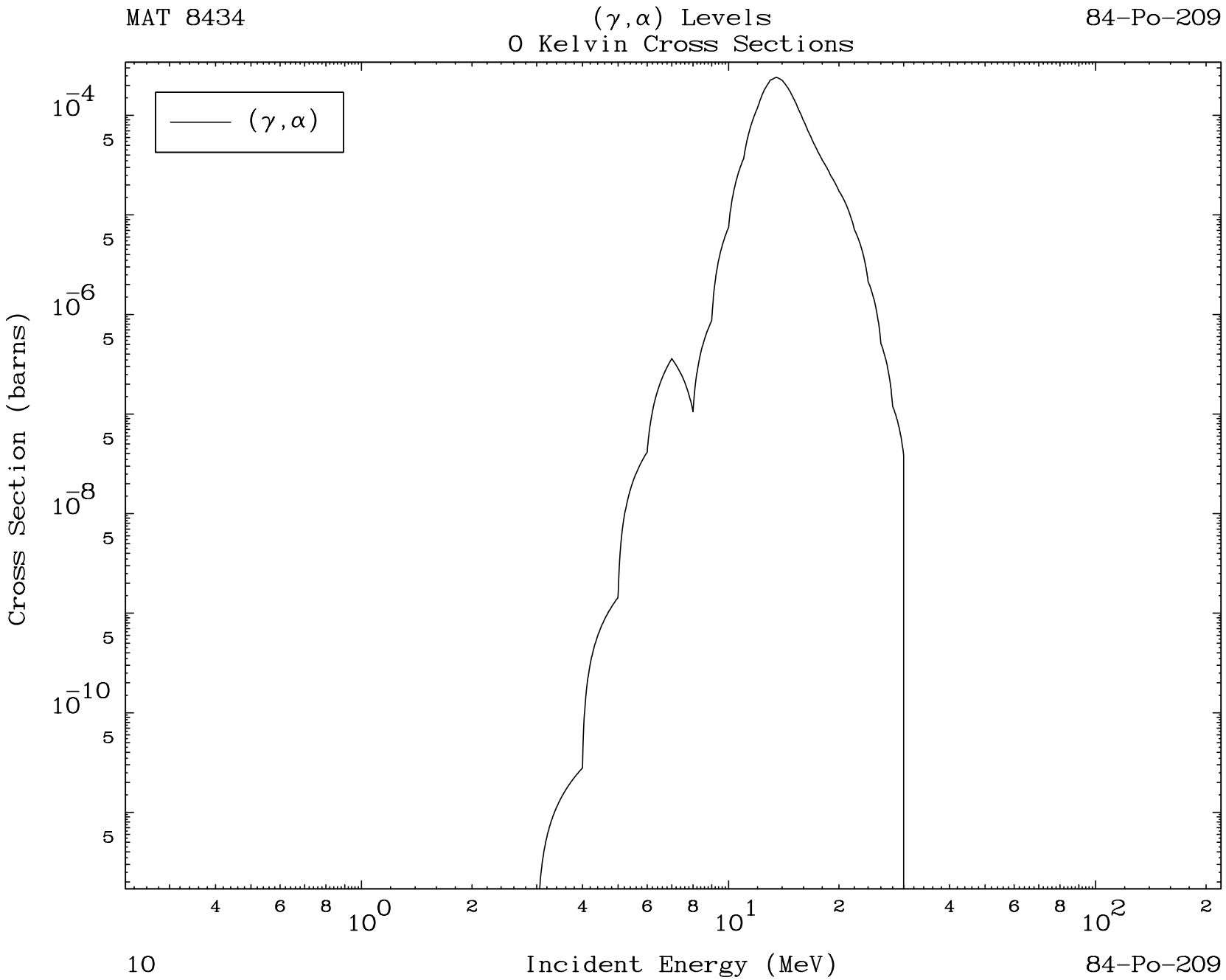

MAT 8434
(γ,n') Level
84-Po-209
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
MT= 52 (γ,n') Level
MT= 53 (γ,n') Level
MT= 54 (γ,n') Level
MT= 55 (γ,n') Level
Cross Section (barns)
Incident Energy (MeV)
84-Po-209

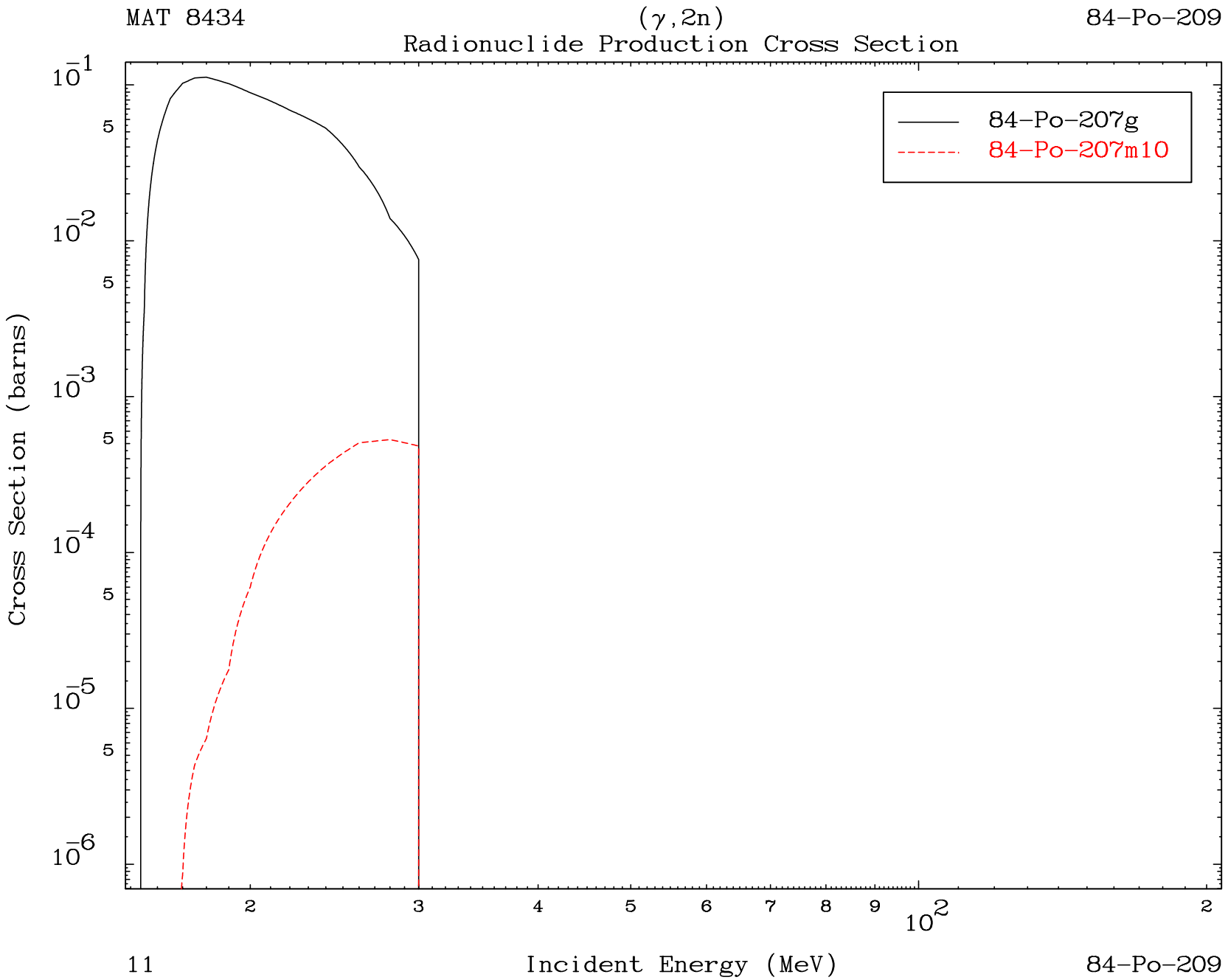

MAT 8434
(γ,n') Level
84-Po-209
0 Kelvin Cross Sections
MT= 56 (γ,n') Level
MT= 57 (γ,n') Level
MT= 58 (γ,n') Level
MT= 59 (γ,n') Level
MT= 60 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
6
84-Po-209

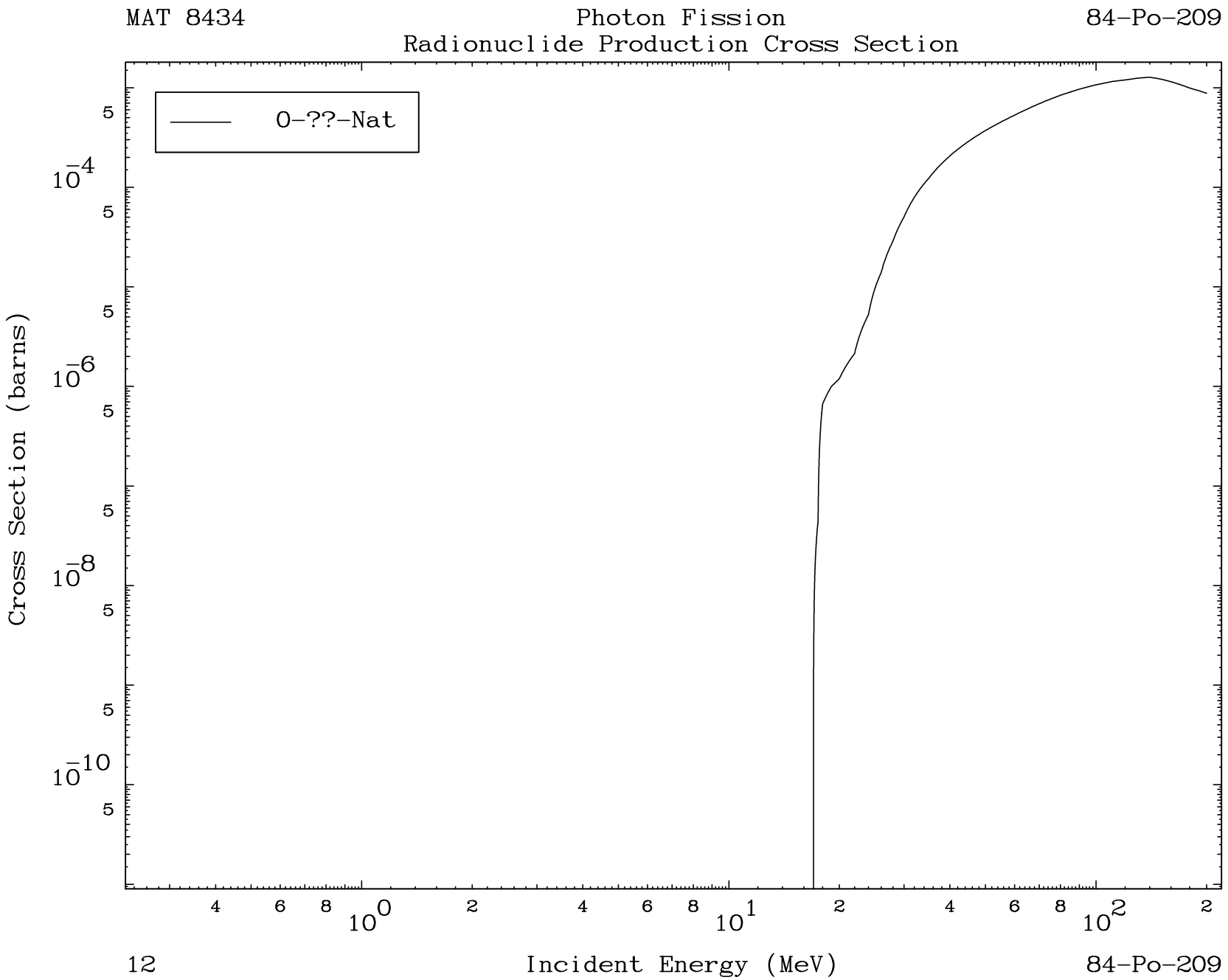

MAT 8434
(γ,p) Levels
84-Po-209
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
Incident Energy (MeV)
84-Po-209
7

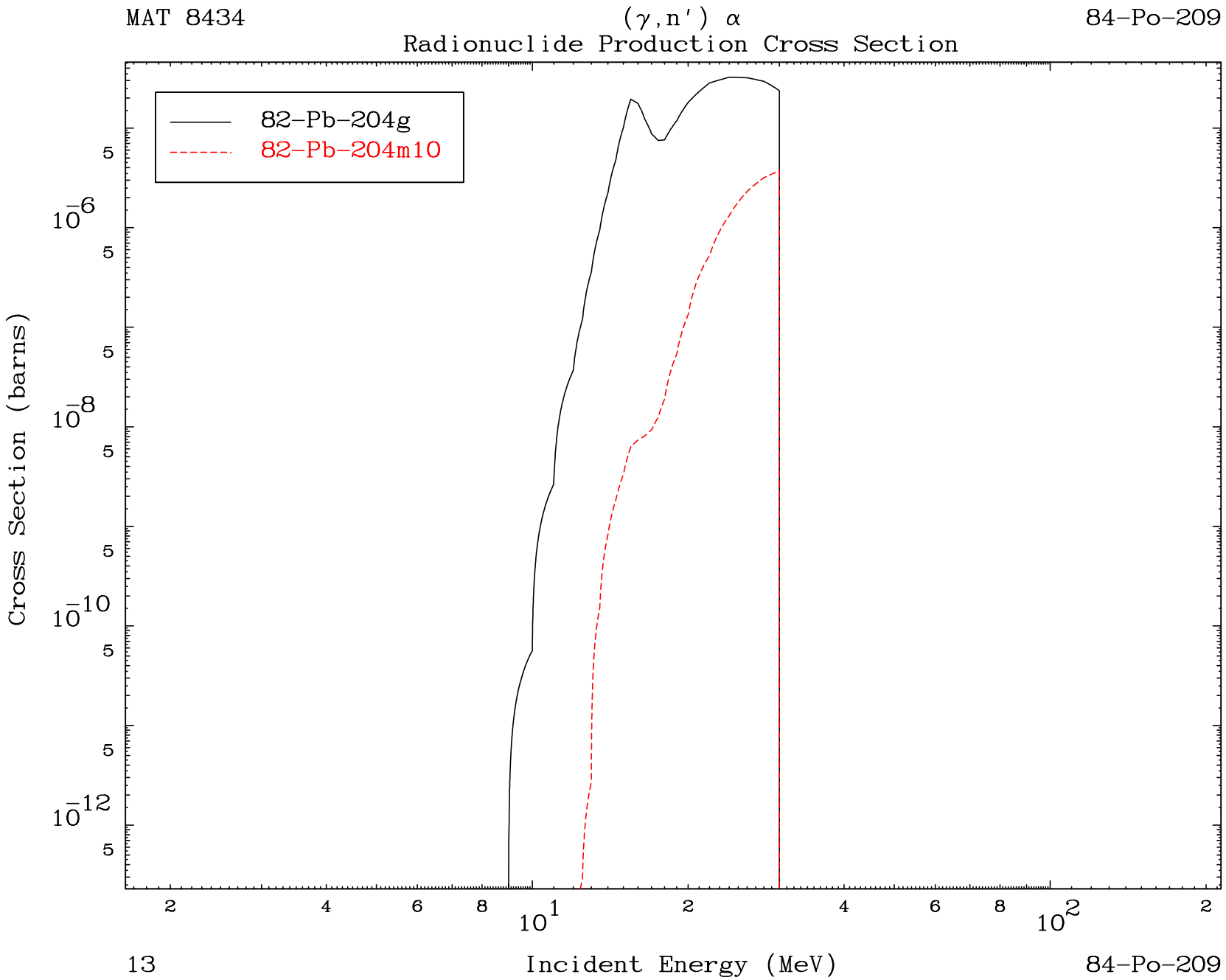

MAT 8434
(γ,d) Levels
84-Po-209
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
8
Incident Energy (MeV)
84-Po-209

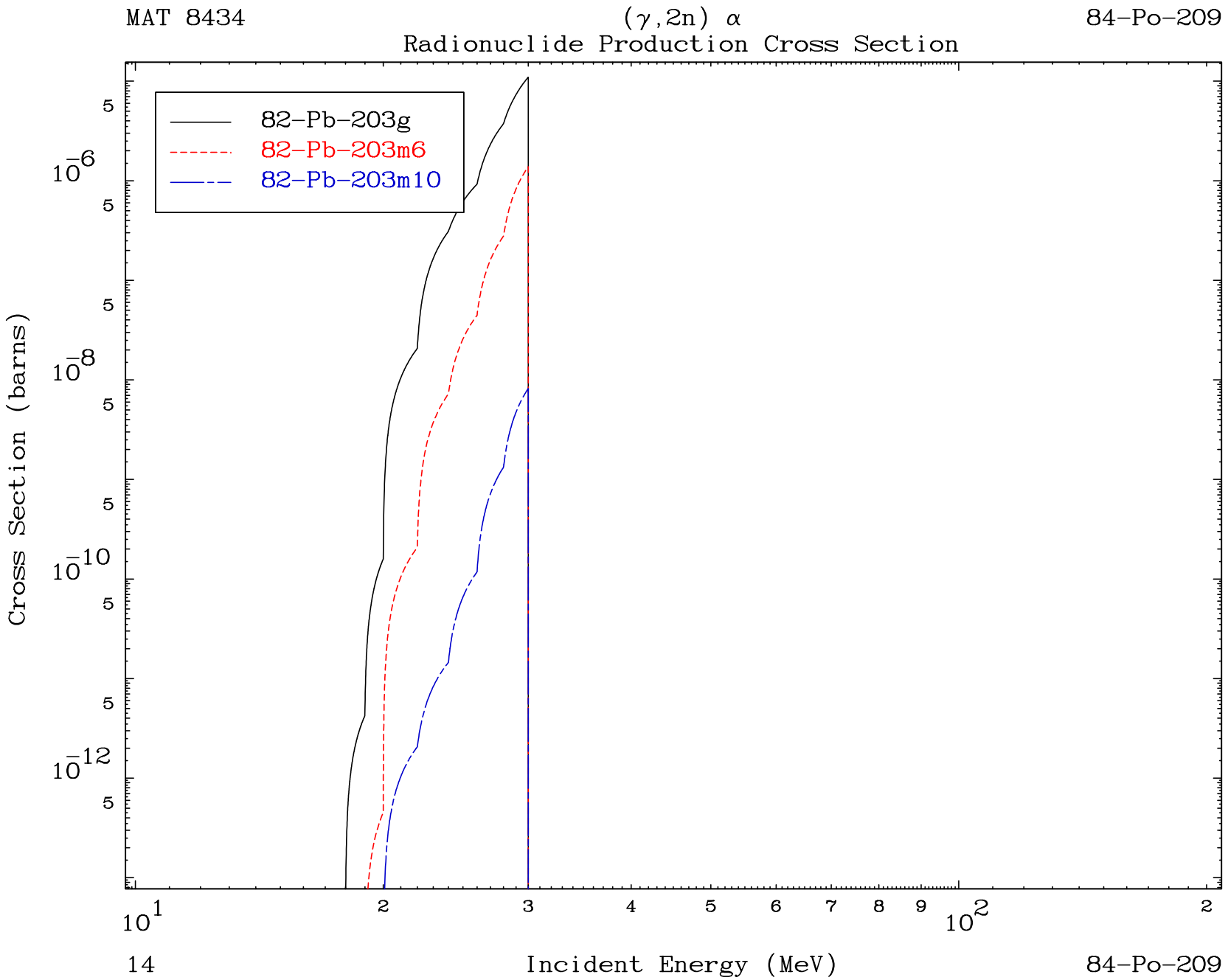

MAT 8434
(γ,t) Levels
84-Po-209
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
84-Po-209

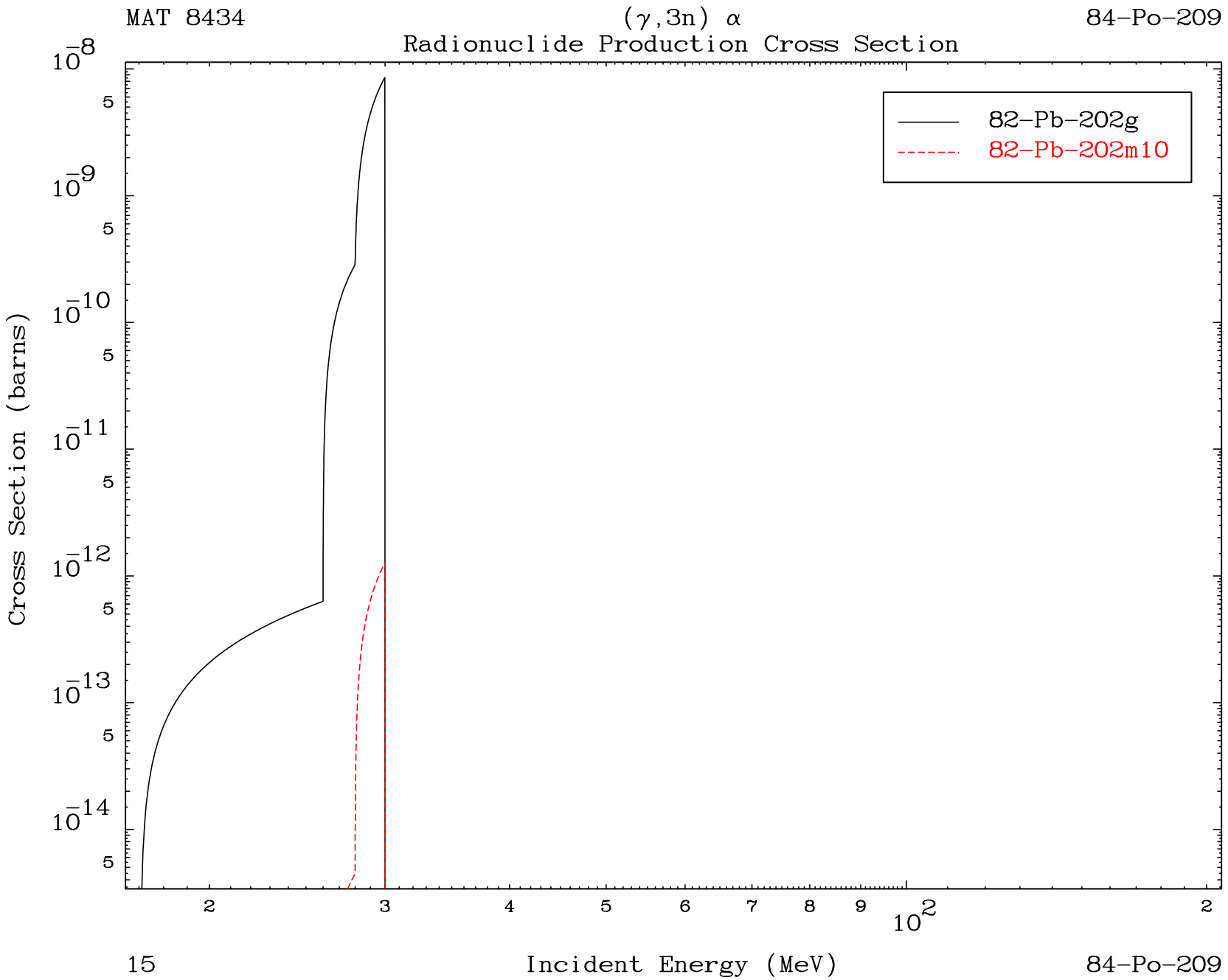

MAT 8434
(γ,α) Levels
84-Po-209
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
84-Po-209

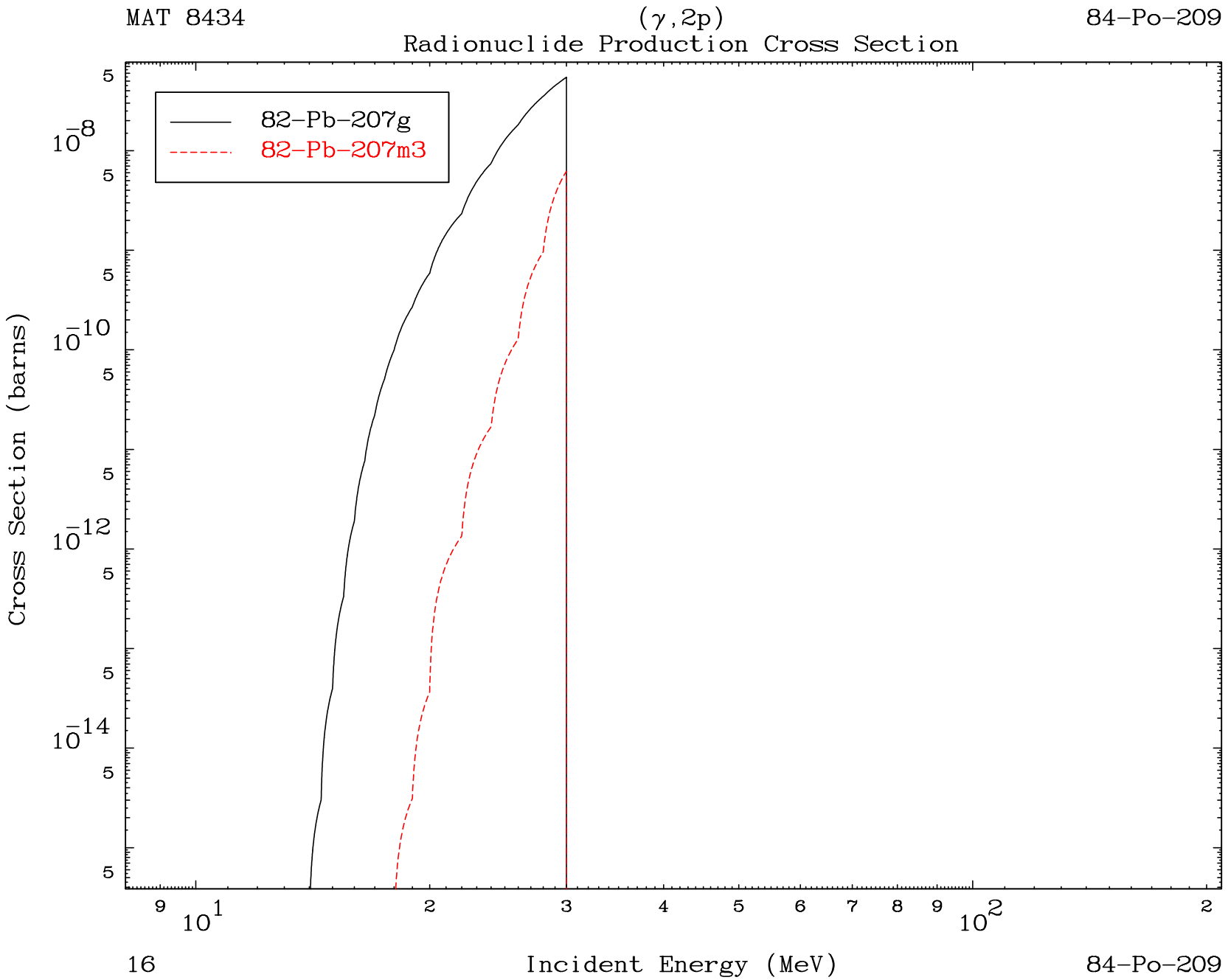

MAT 8434
(γ,2n)
84-Po-209
Radionuclide Production Cross Section
84-Po-207g
84-Po-207m10
Cross Section (barns)
Incident Energy (MeV)
11
84-Po-209


MAT 8434
Photon Fission
84-Po-209
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
12
84-Po-209


MAT 8434
(γ,n') α
84-Po-209
Radionuclide Production Cross Section
82-Pb-204g
82-Pb-204m10
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
4
6
8
10^1
10^2
13
Incident Energy (MeV)
84-Po-209


MAT 8434
(γ,2n) α
84-Po-209
Radionuclide Production Cross Section
82-Pb-203g
82-Pb-203m6
82-Pb-203m10
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^1
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
84-Po-209


MAT 8434
(γ,3n) α
84-Po-209
Radionuclide Production Cross Section
82-Pb-202g
82-Pb-202m10
Cross Section (barns)
Incident Energy (MeV)
15
84-Po-209


MAT 8434
(γ,2p)
84-Po-209
Radionuclide Production Cross Section
82-Pb-207g
82-Pb-207m3
Cross Section (barns)
Incident Energy (MeV)
16
84-Po-209