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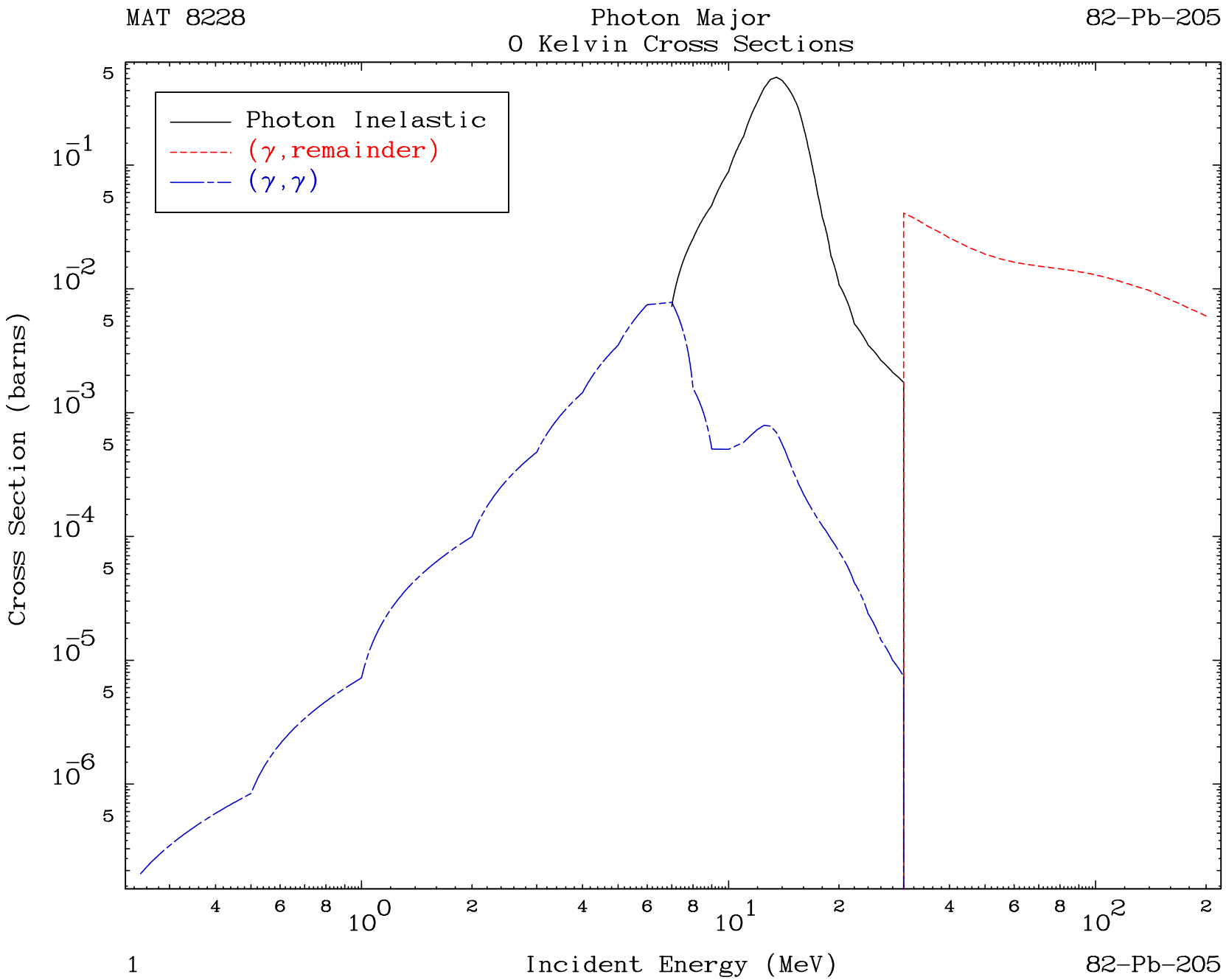
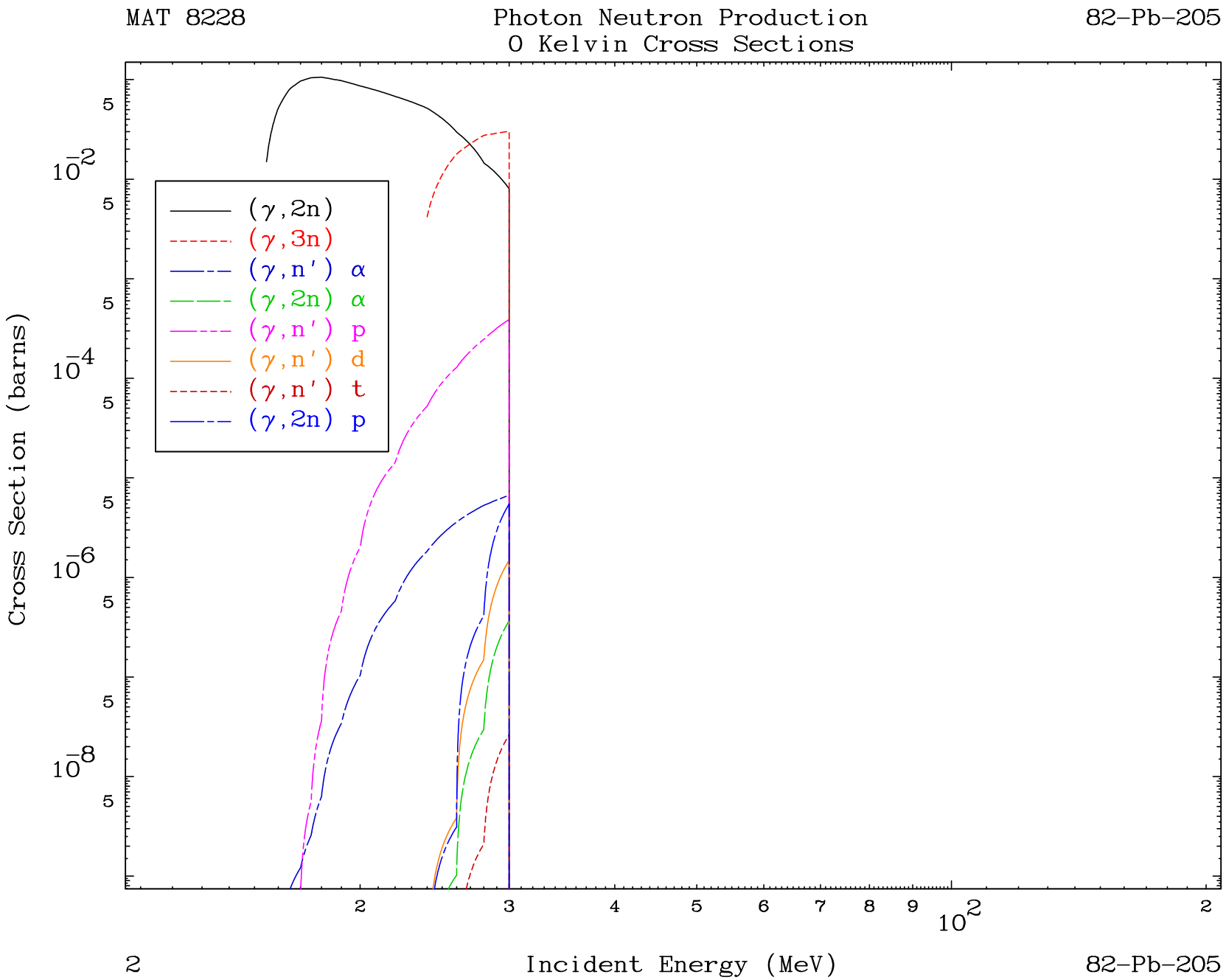
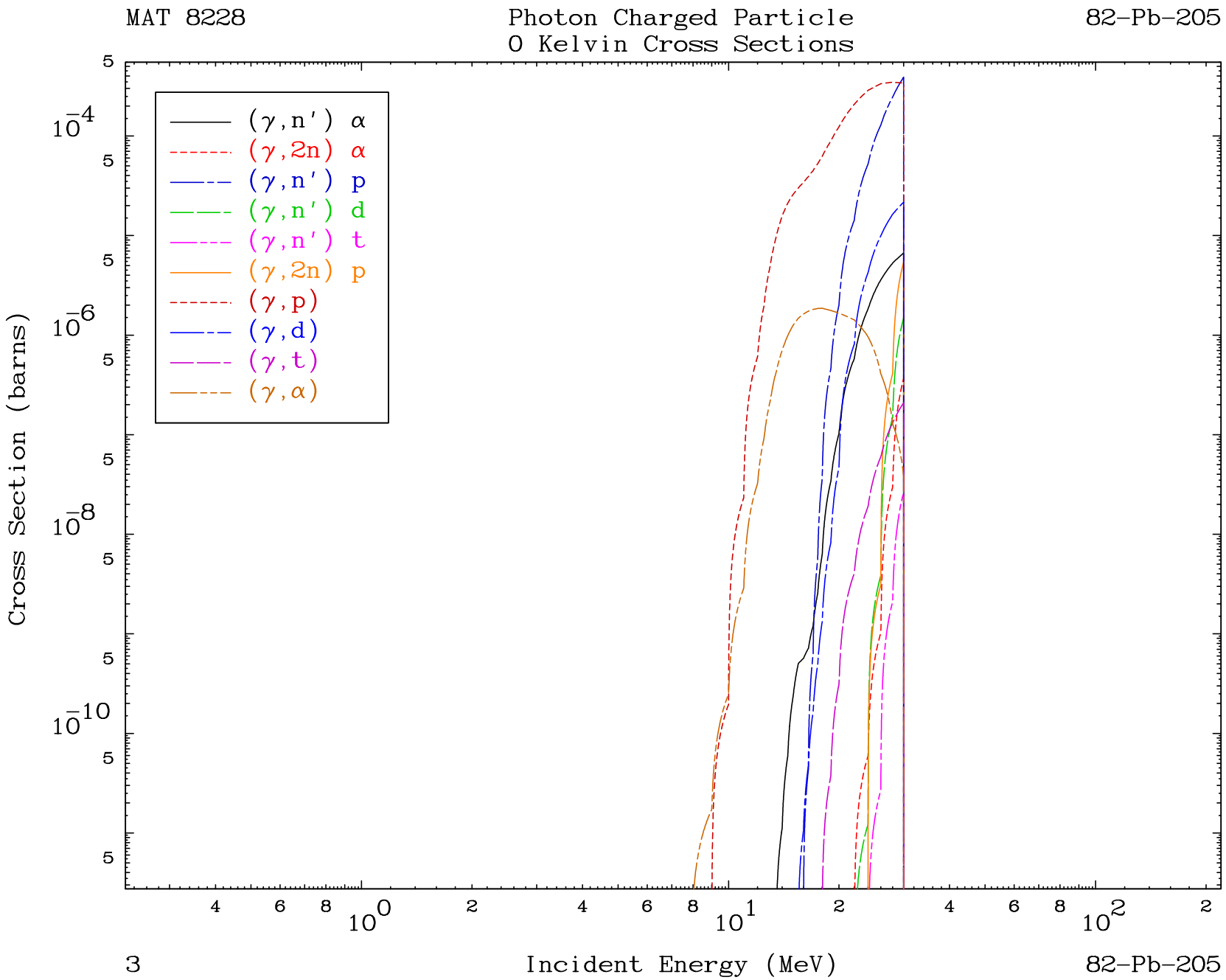
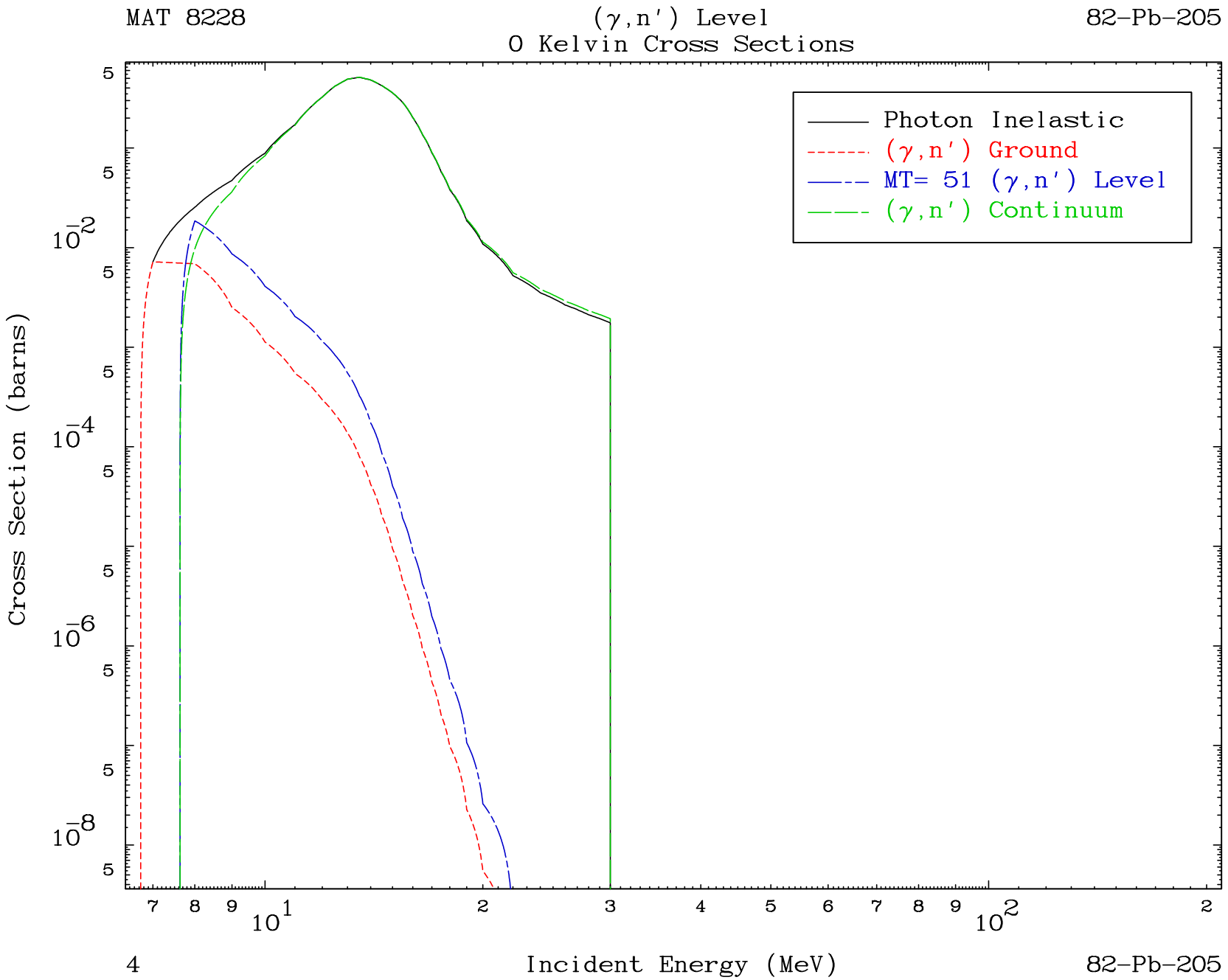
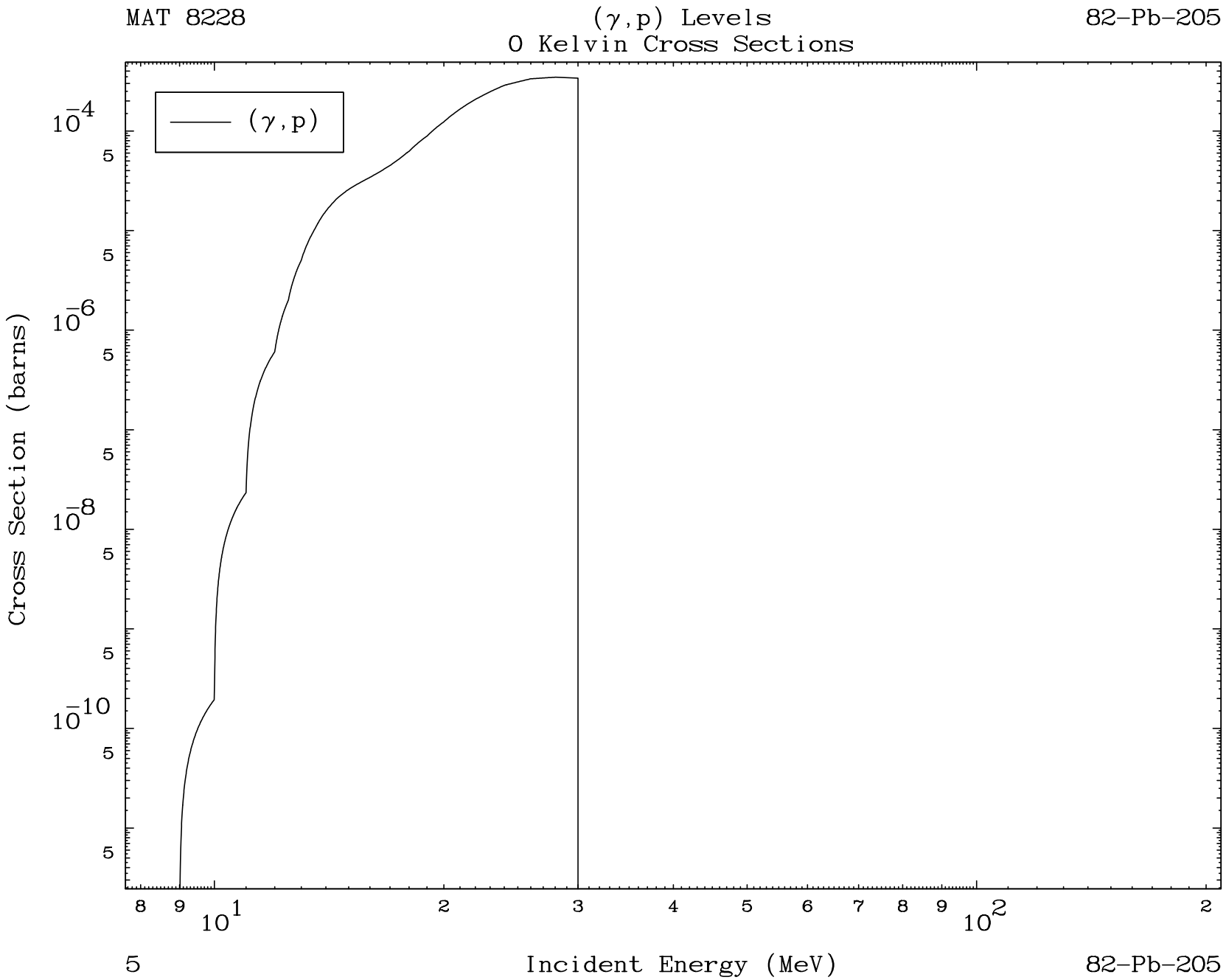
Press Mouse Button to Start

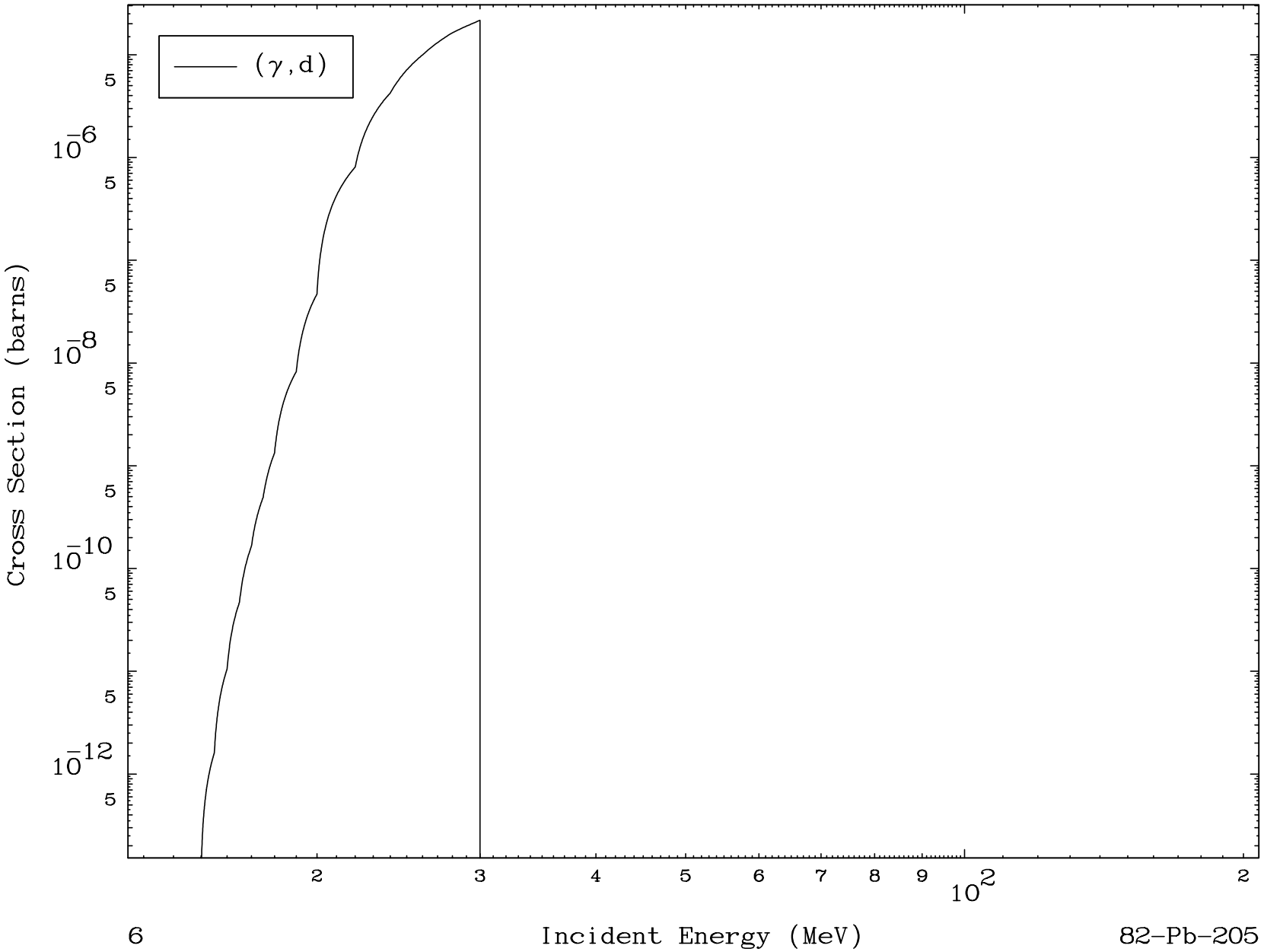

MAT 8228
Photon Major
82-Pb-205
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
82-Pb-205
1

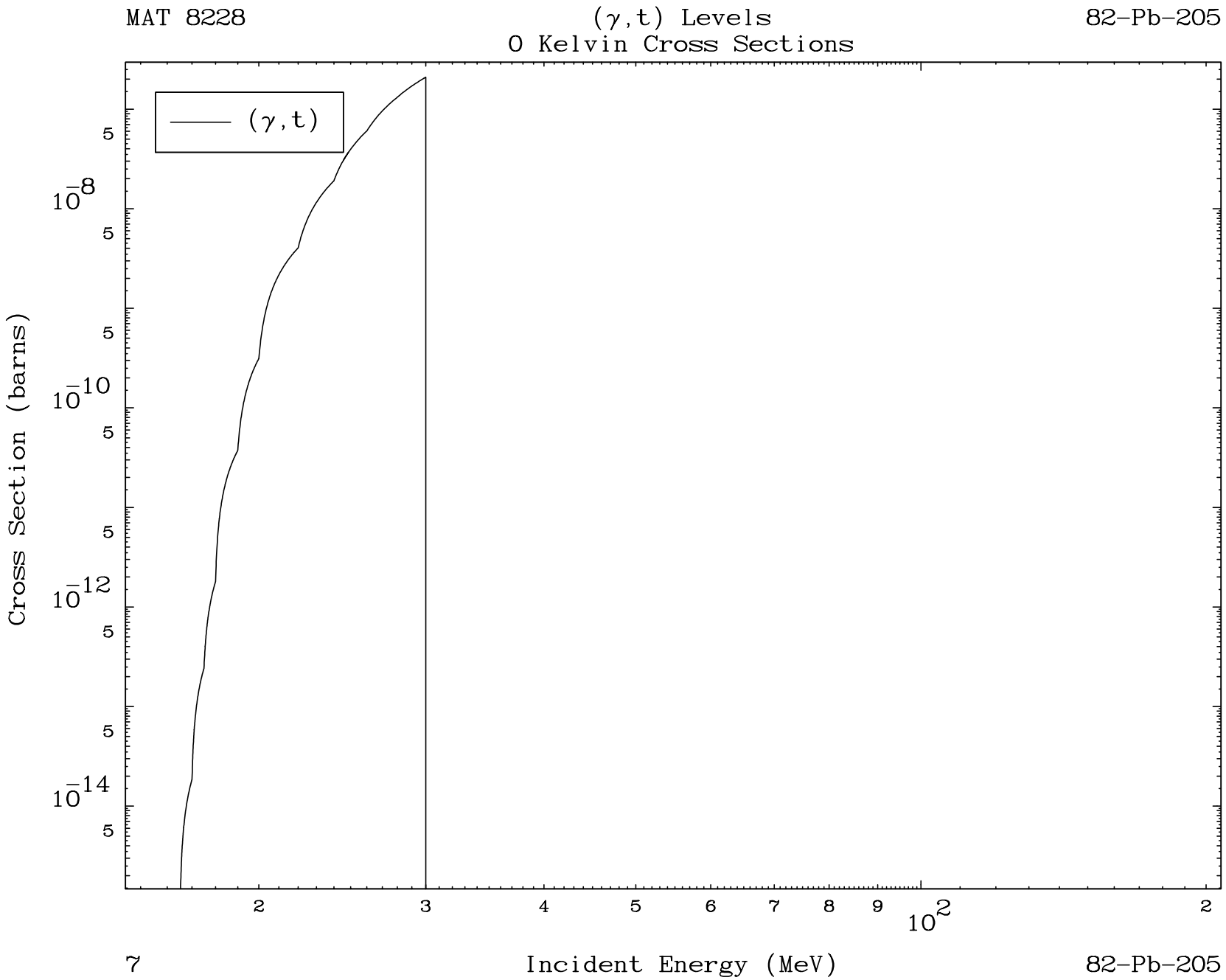

MAT 8228
Photon Neutron Production
0 Kelvin Cross Sections
82-Pb-205
Cross Section (barns)
Incident Energy (MeV)
82-Pb-205
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p

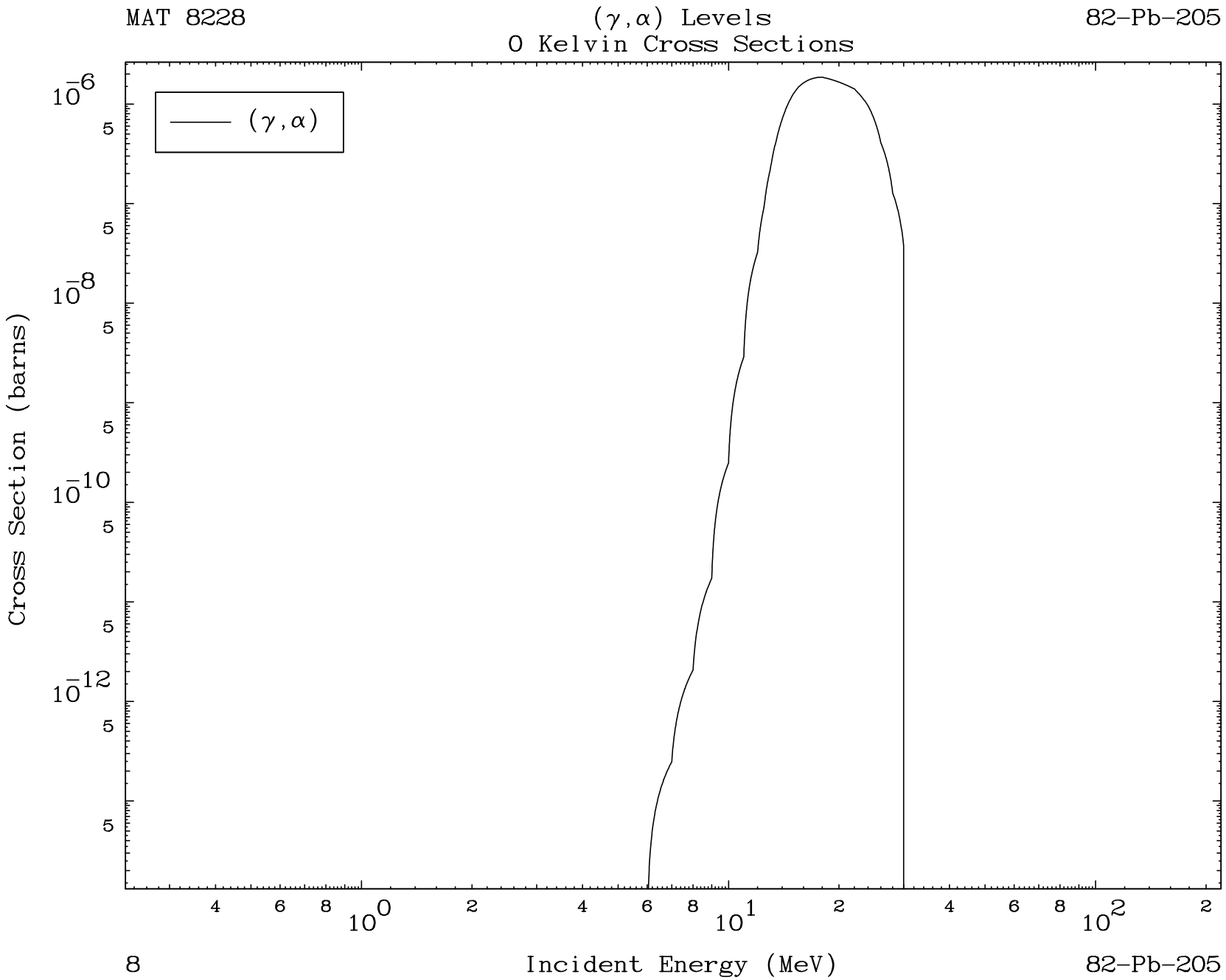

MAT 8228
Photon Charged Particle
0 Kelvin Cross Sections
82-Pb-205
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
3
82-Pb-205

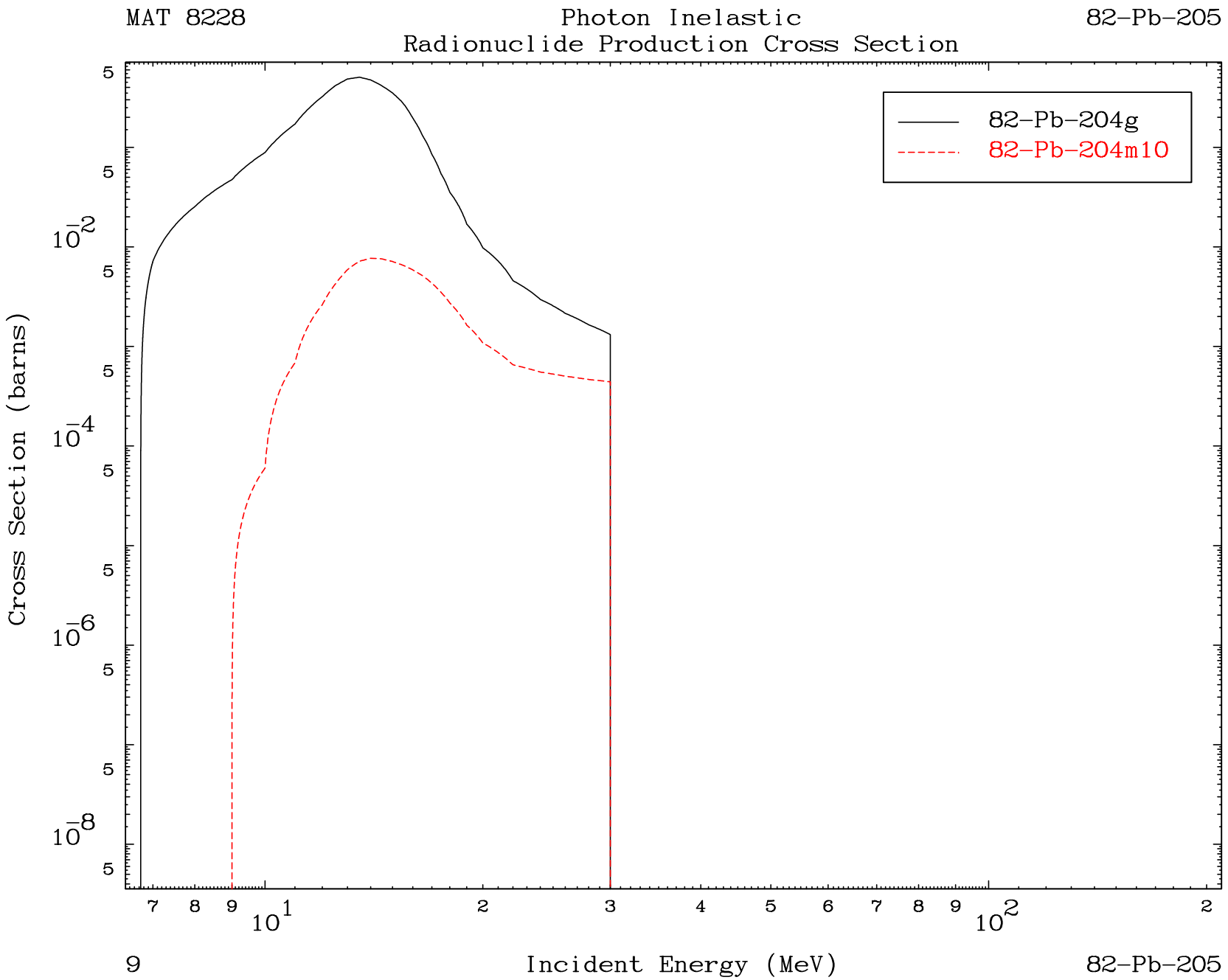

MAT 8228
(γ,n') Level
82-Pb-205
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
4
82-Pb-205

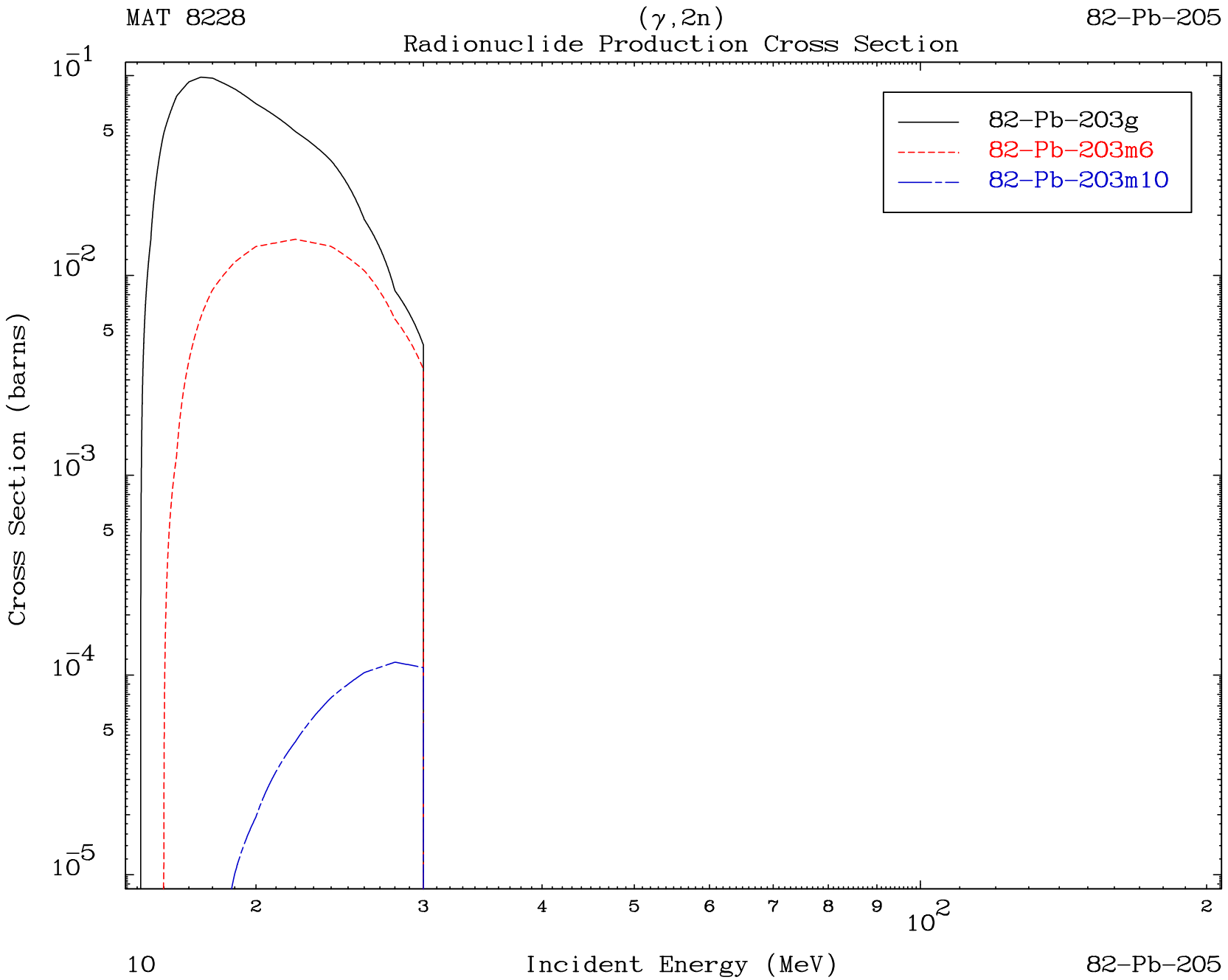

MAT 8228
(γ,p) Levels
82-Pb-205
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
82-Pb-205

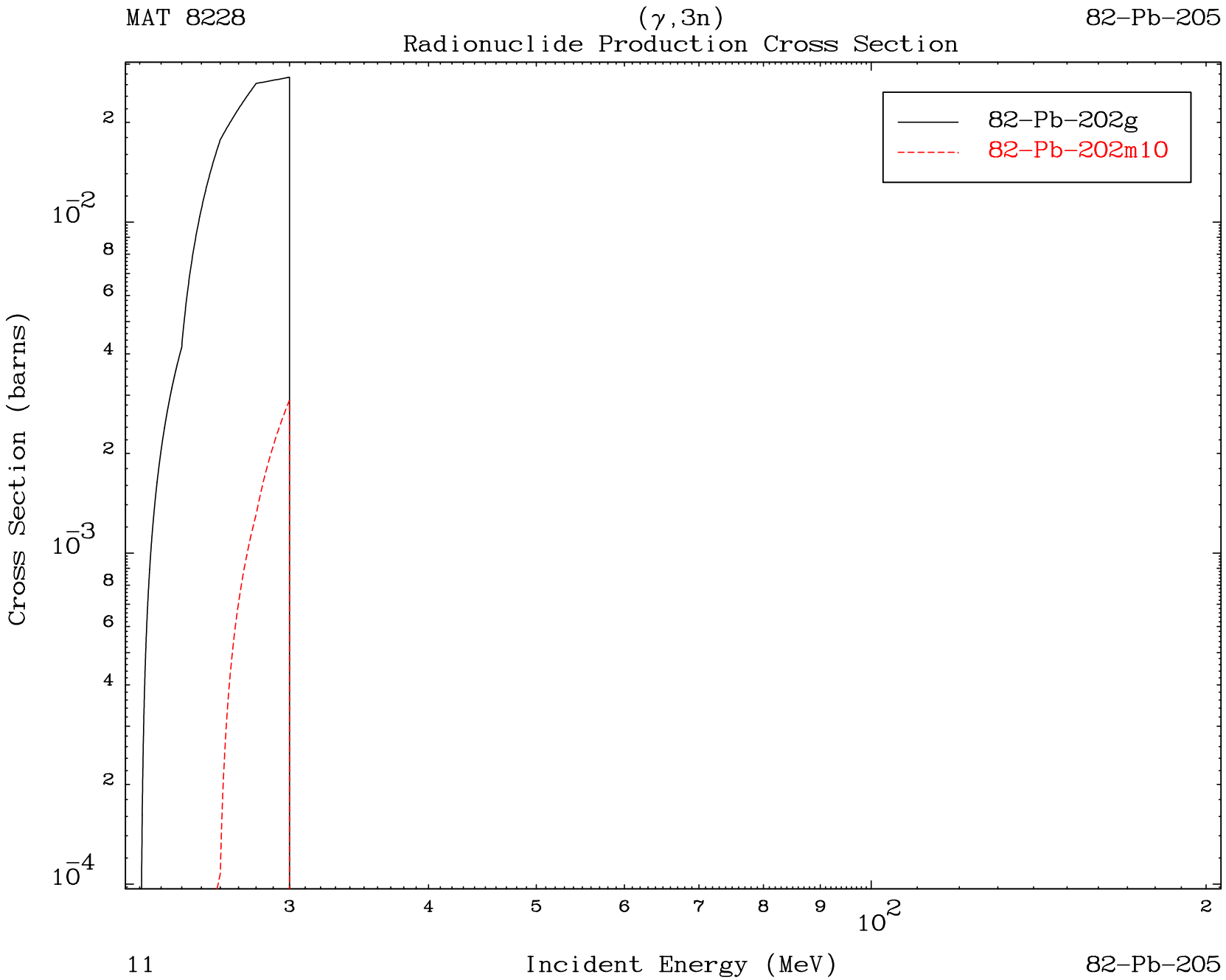

0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

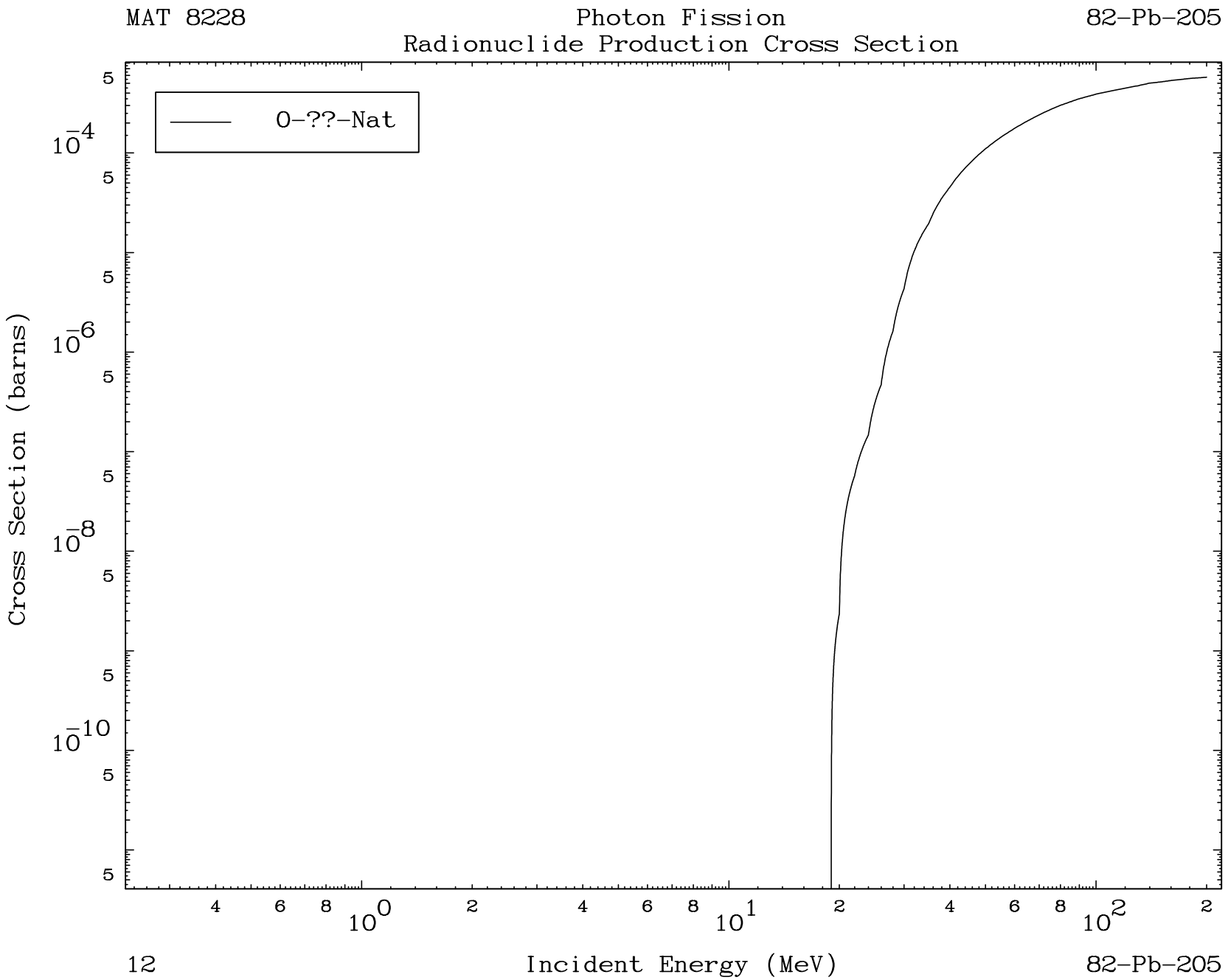

MAT 8228
(γ,t) Levels
82-Pb-205
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
82-Pb-205

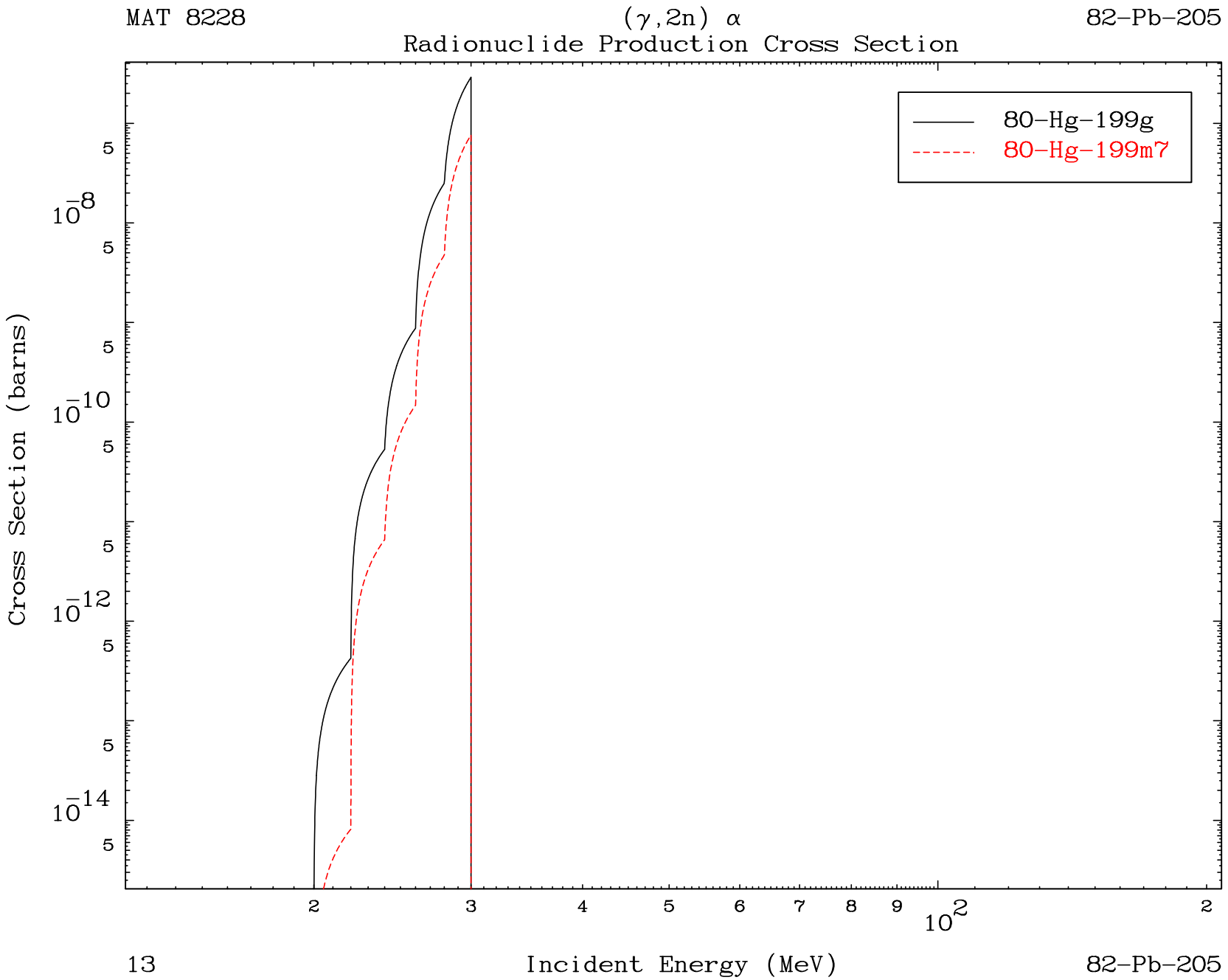

MAT 8228
(γ,α) Levels
82-Pb-205
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10-6
10-8
10-10
10-12
Incident Energy (MeV)
100
101
102
8
82-Pb-205


MAT 8228
Photon Inelastic
82-Pb-205
Radionuclide Production Cross Section
82-Pb-204g
82-Pb-204m10
Cross Section (barns)
Incident Energy (MeV)
82-Pb-205
9


MAT 8228
(γ,2n)
82-Pb-205
Radionuclide Production Cross Section
82-Pb-203g
82-Pb-203m6
82-Pb-203m10
Cross Section (barns)
10^-1
5
10^-2
5
10^-3
5
10^-4
5
10^-5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
82-Pb-205


MAT 8228
(γ,3n)
82-Pb-205
Radionuclide Production Cross Section
82-Pb-202g
82-Pb-202m10
Cross Section (barns)
10-2
10-3
10-4
2
8
6
4
2
8
6
4
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
82-Pb-205


MAT 8228
Photon Fission
82-Pb-205
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
82-Pb-205


MAT 8228
(γ,2n) α
82-Pb-205
Radionuclide Production Cross Section
80-Hg-199g
80-Hg-199m7
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
82-Pb-205