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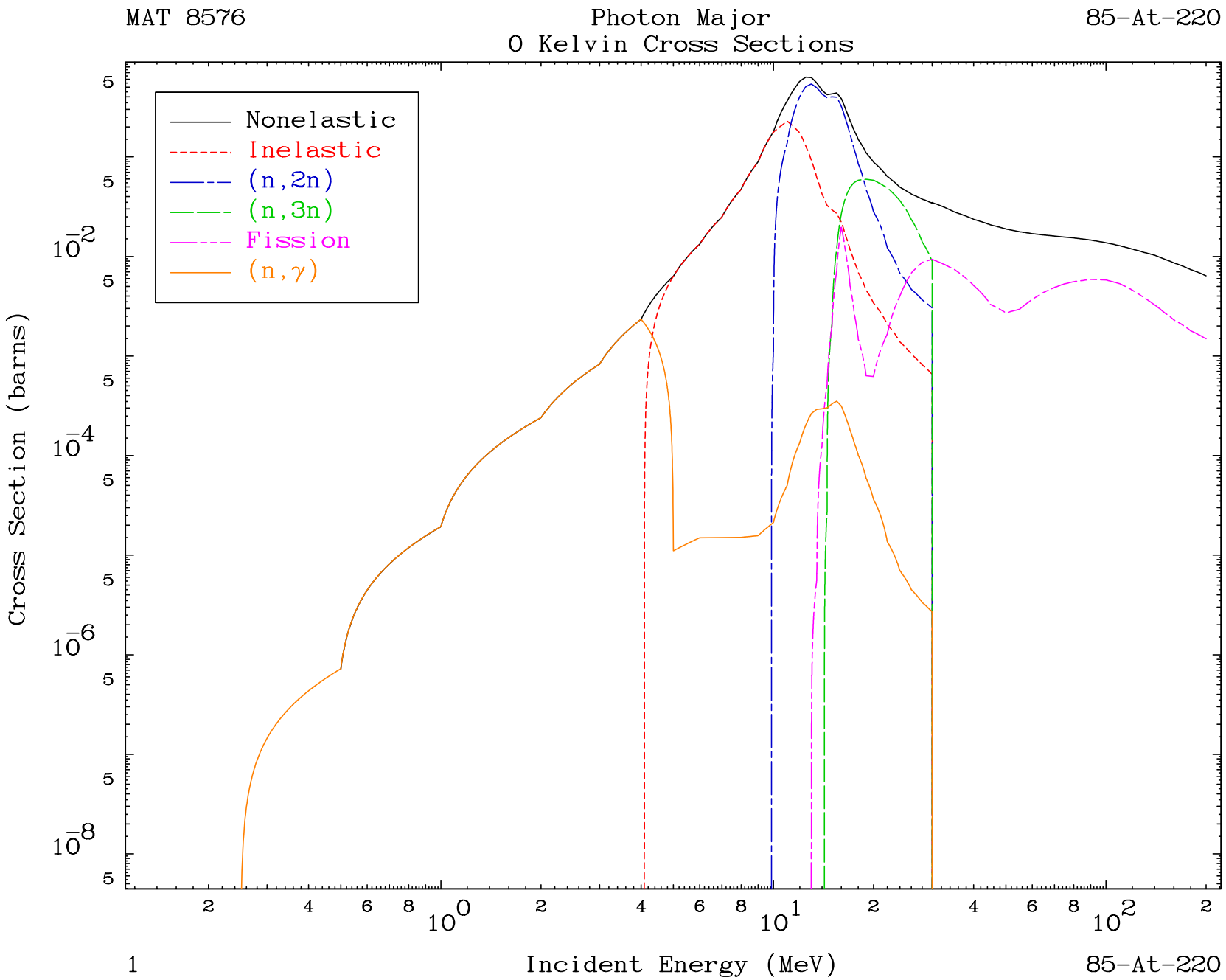
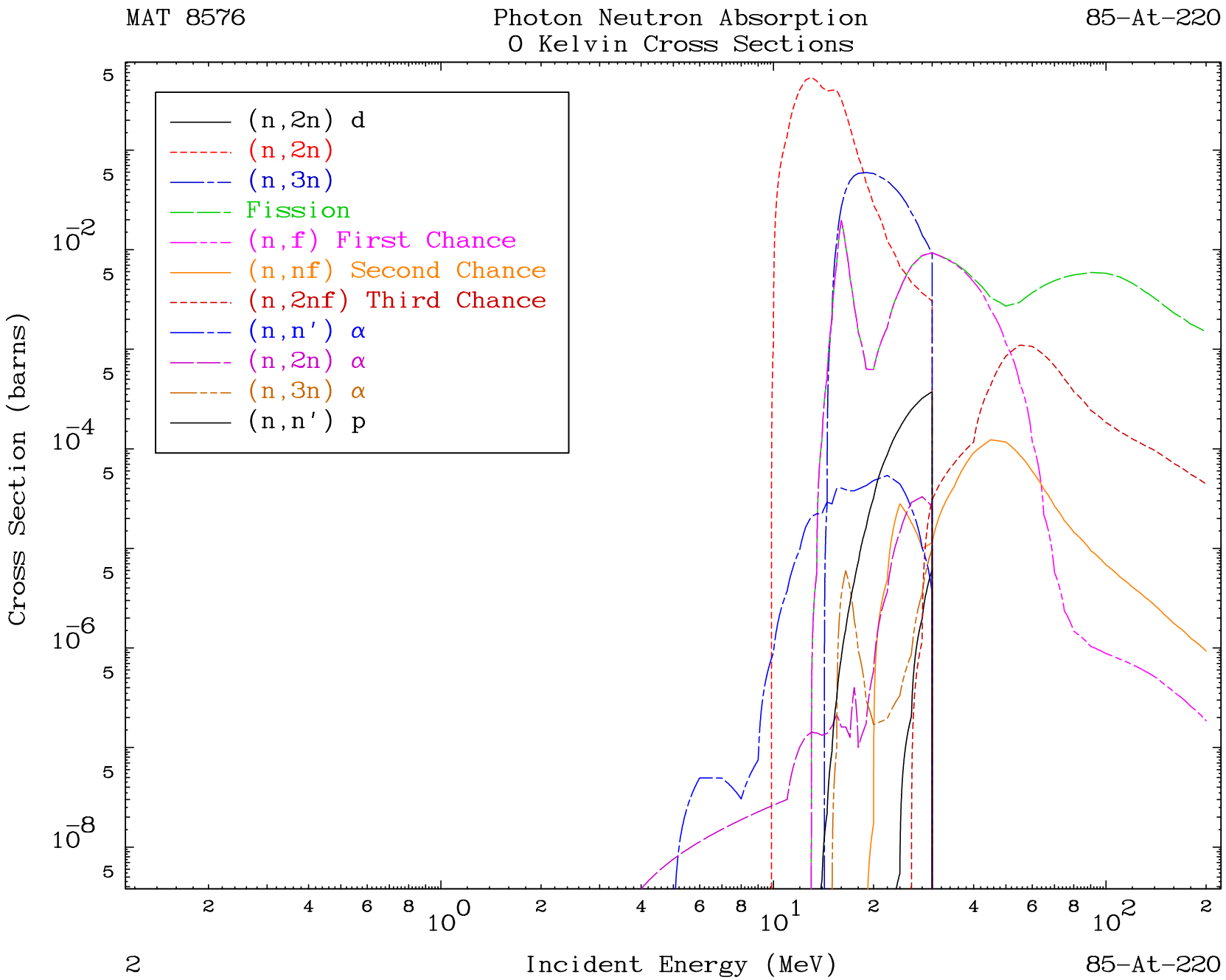
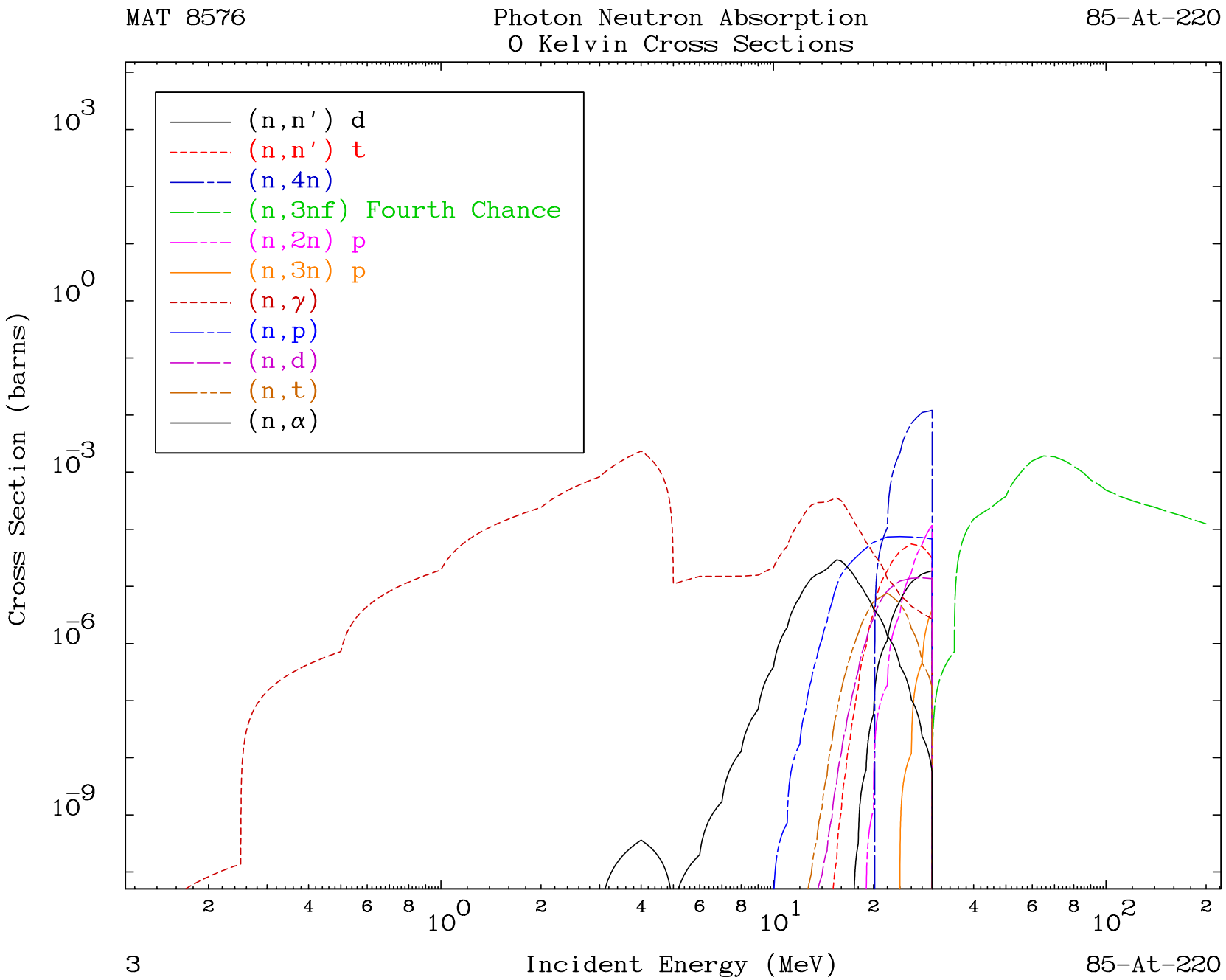
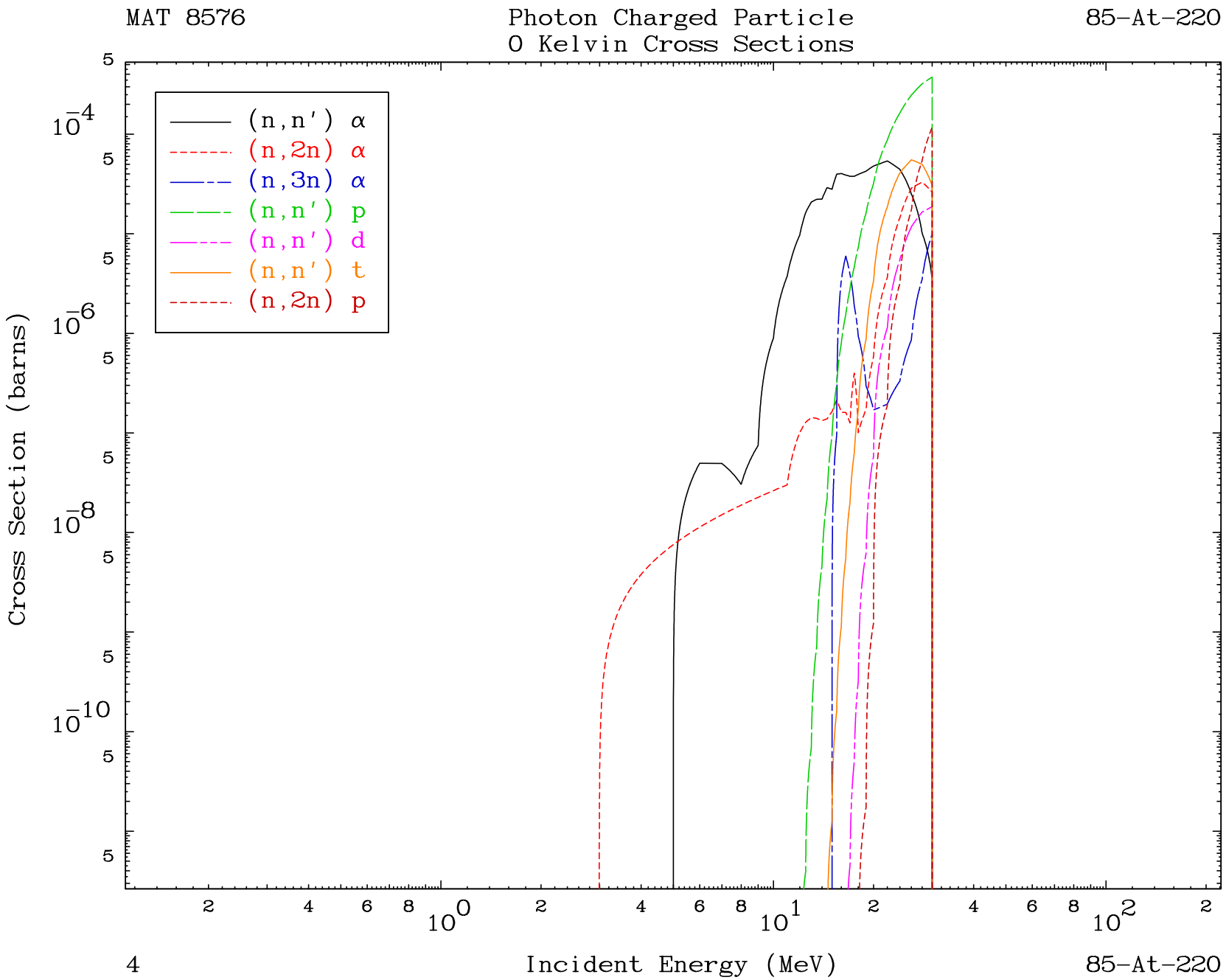
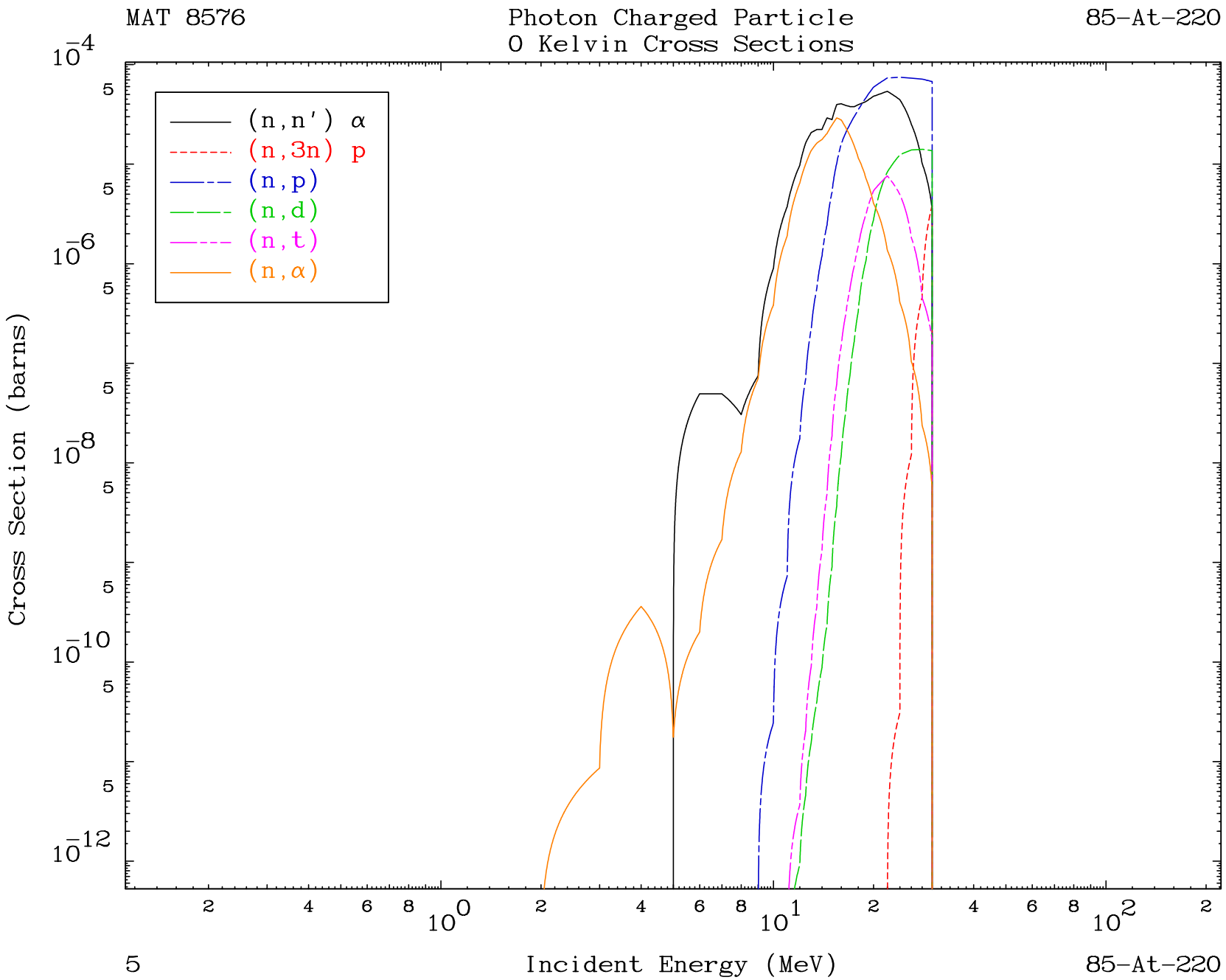
Press Mouse Button to Start

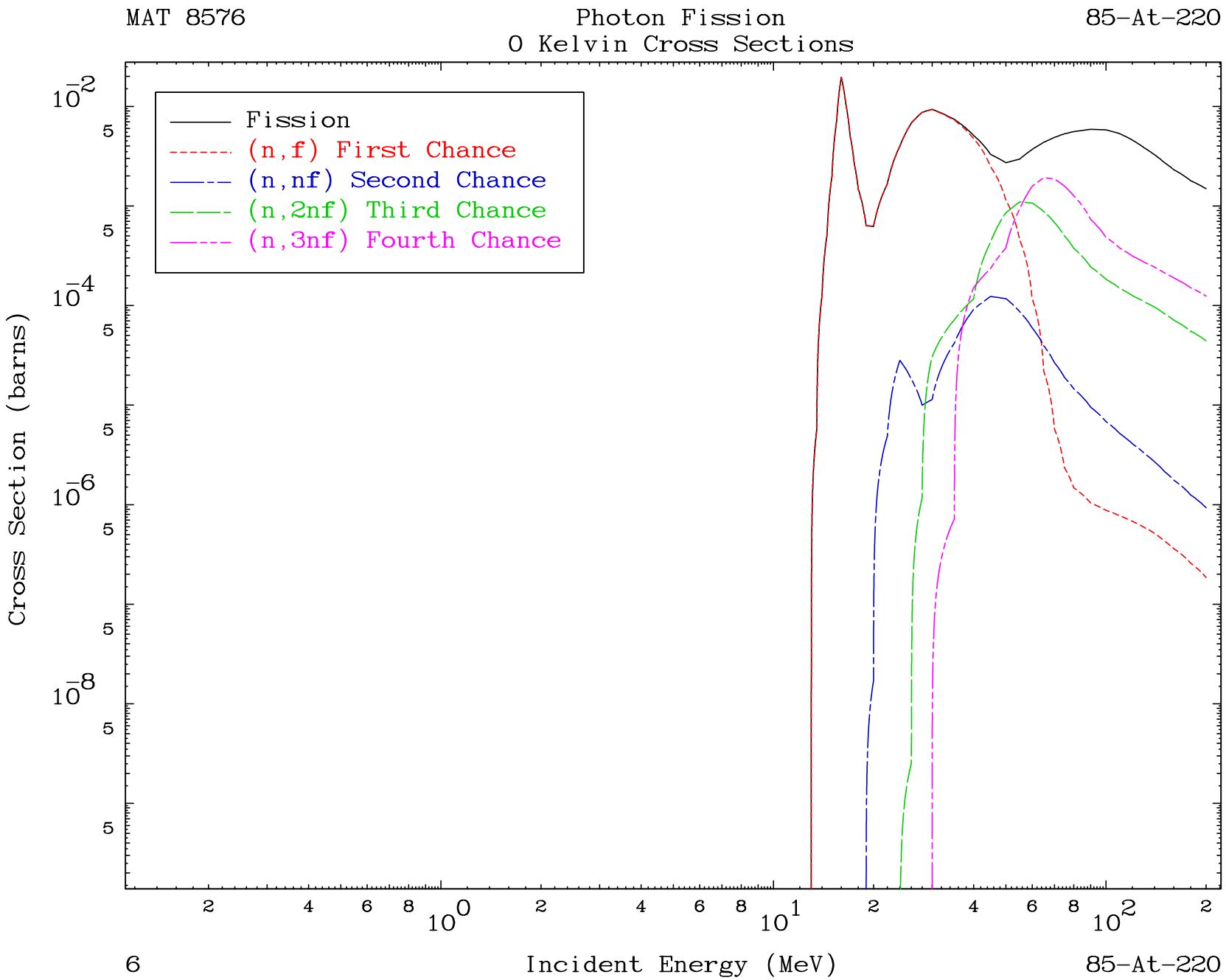

MAT 8576
Photon Major
85-At-220
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
Fission
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
85-At-220

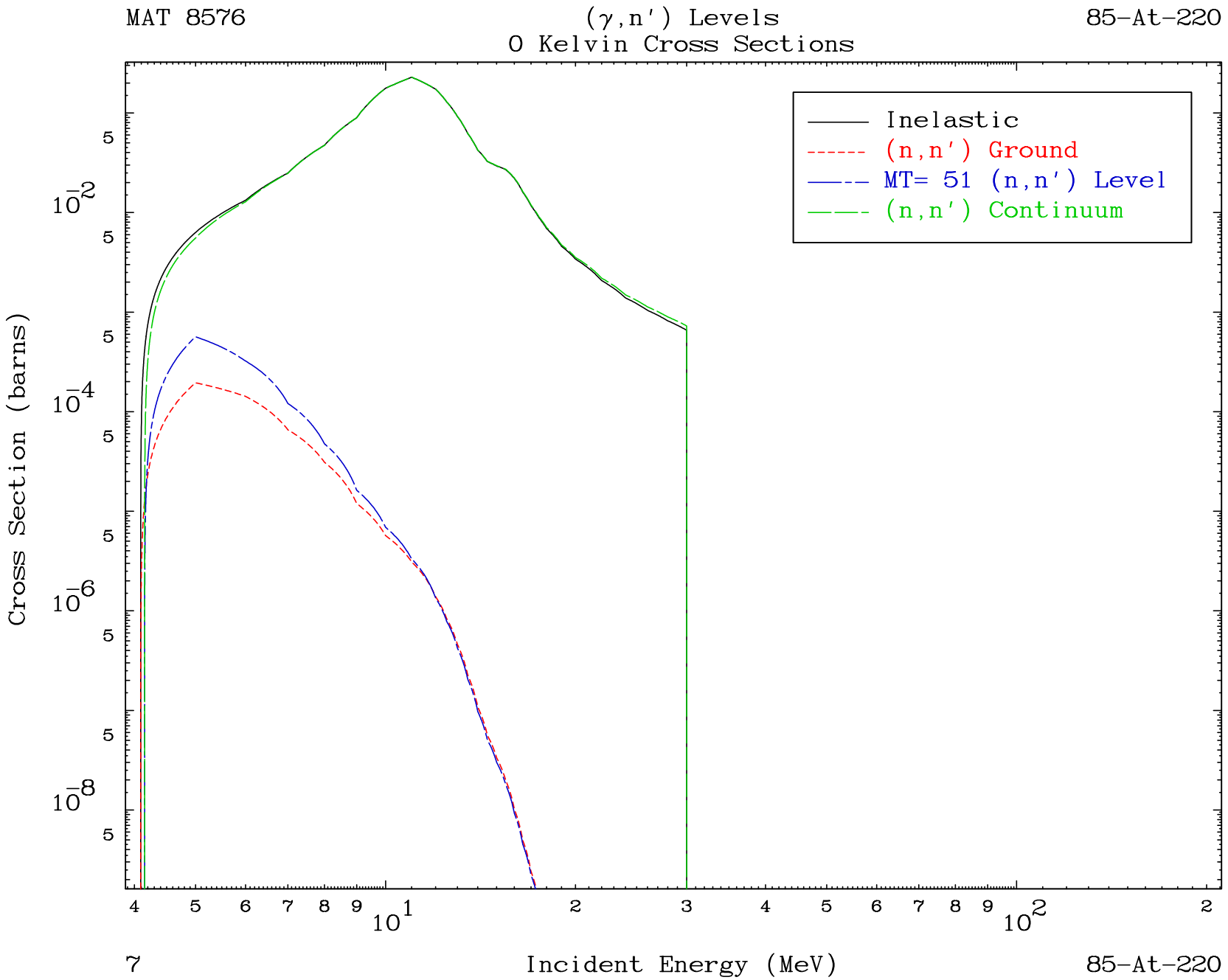

MAT 8576
Photon Neutron Absorption
0 Kelvin Cross Sections
85-At-220
(n,2n) d
(n,2n)
(n,3n)
Fission
(n,f) First Chance
(n,nf) Second Chance
(n,2nf) Third Chance
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
Cross Section (barns)
Incident Energy (MeV)
85-At-220

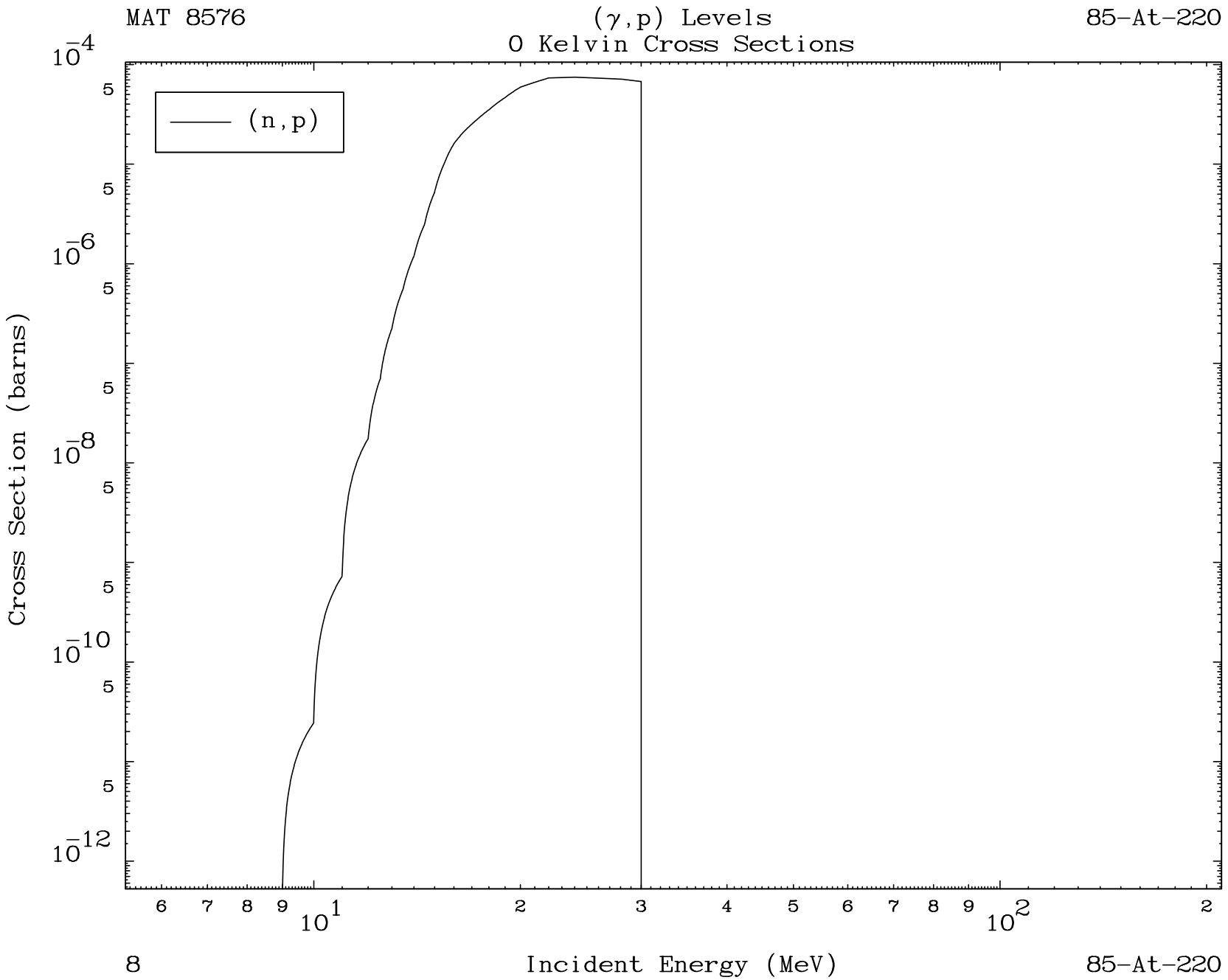

MAT 8576
Photon Neutron Absorption
0 Kelvin Cross Sections
85-At-220
(n,n') d
(n,n') t
(n,4n)
(n,3nf) Fourth Chance
(n,2n) p
(n,3n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
10^3
10^0
10^-3
10^-6
10^-9
10^0
10^1
10^2
Incident Energy (MeV)
3
85-At-220

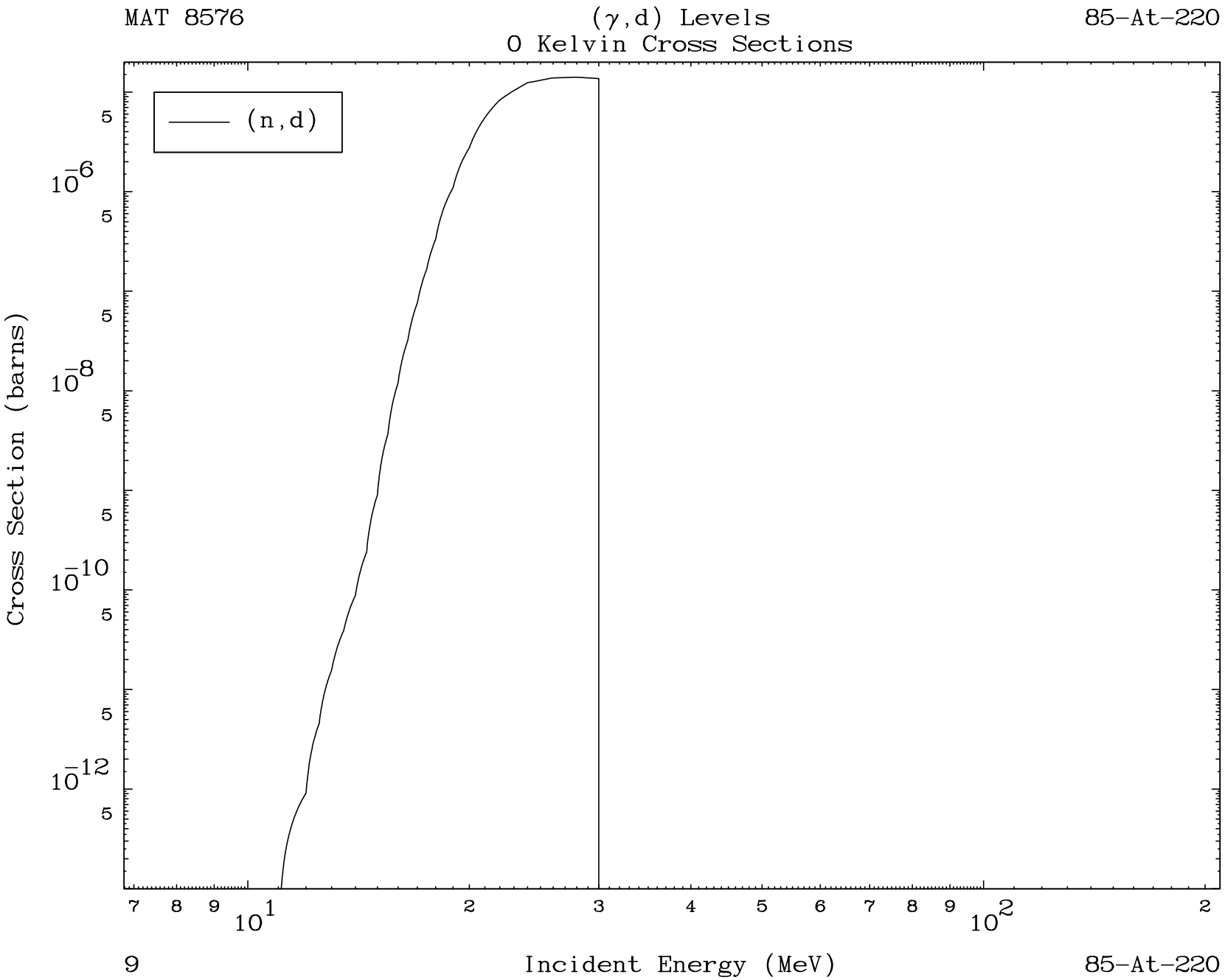

MAT 8576
Photon Charged Particle
0 Kelvin Cross Sections
85-At-220
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
4
85-At-220

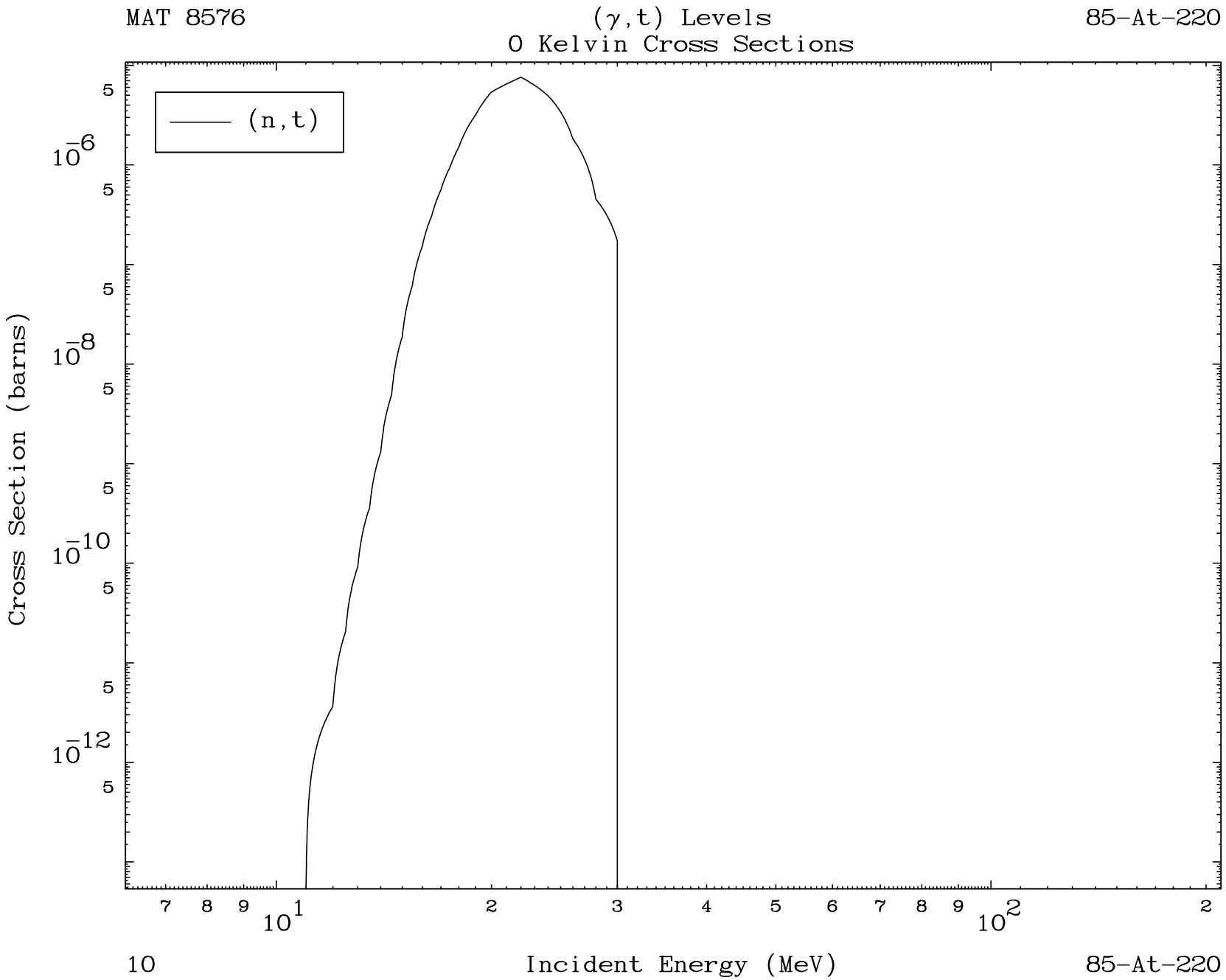

MAT 8576
Photon Charged Particle
0 Kelvin Cross Sections
85-At-220
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
85-At-220

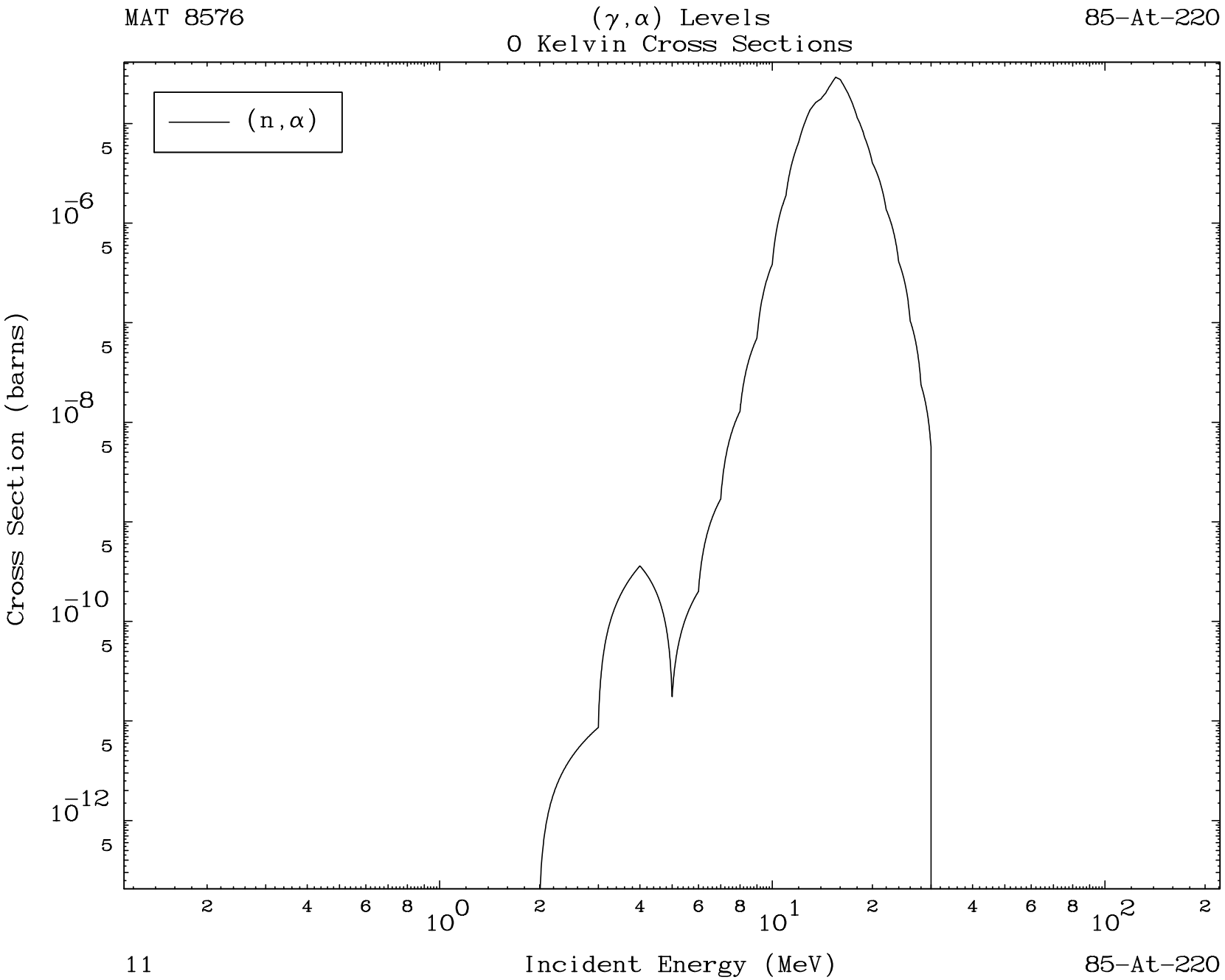

MAT 8576
Photon Fission
85-At-220
0 Kelvin Cross Sections
Fission
(n,f) First Chance
(n,nf) Second Chance
(n,2nf) Third Chance
(n,3nf) Fourth Chance
Cross Section (barns)
Incident Energy (MeV)
6
85-At-220

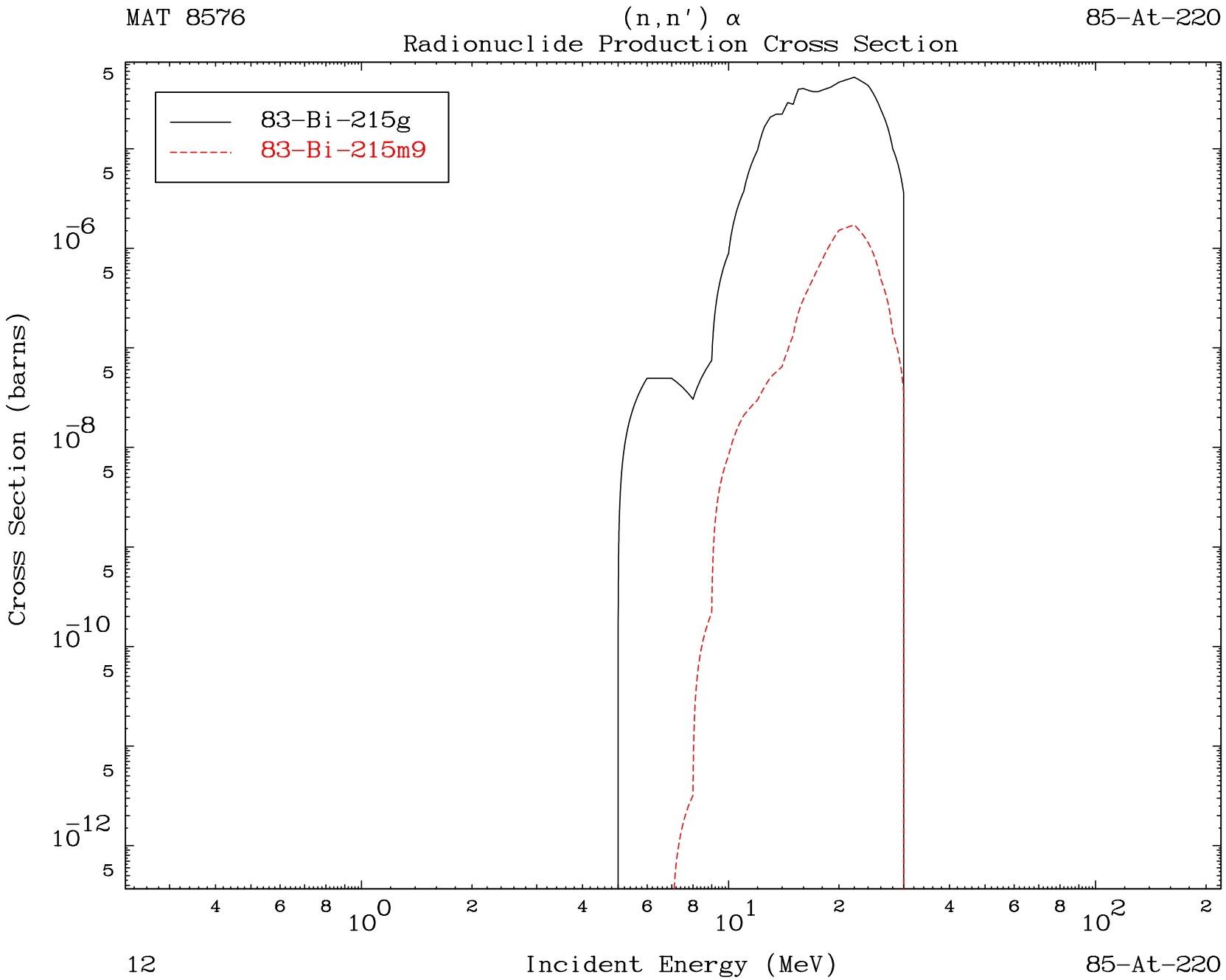

MAT 8576
(γ,n') Levels
85-At-220
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
85-At-220
7

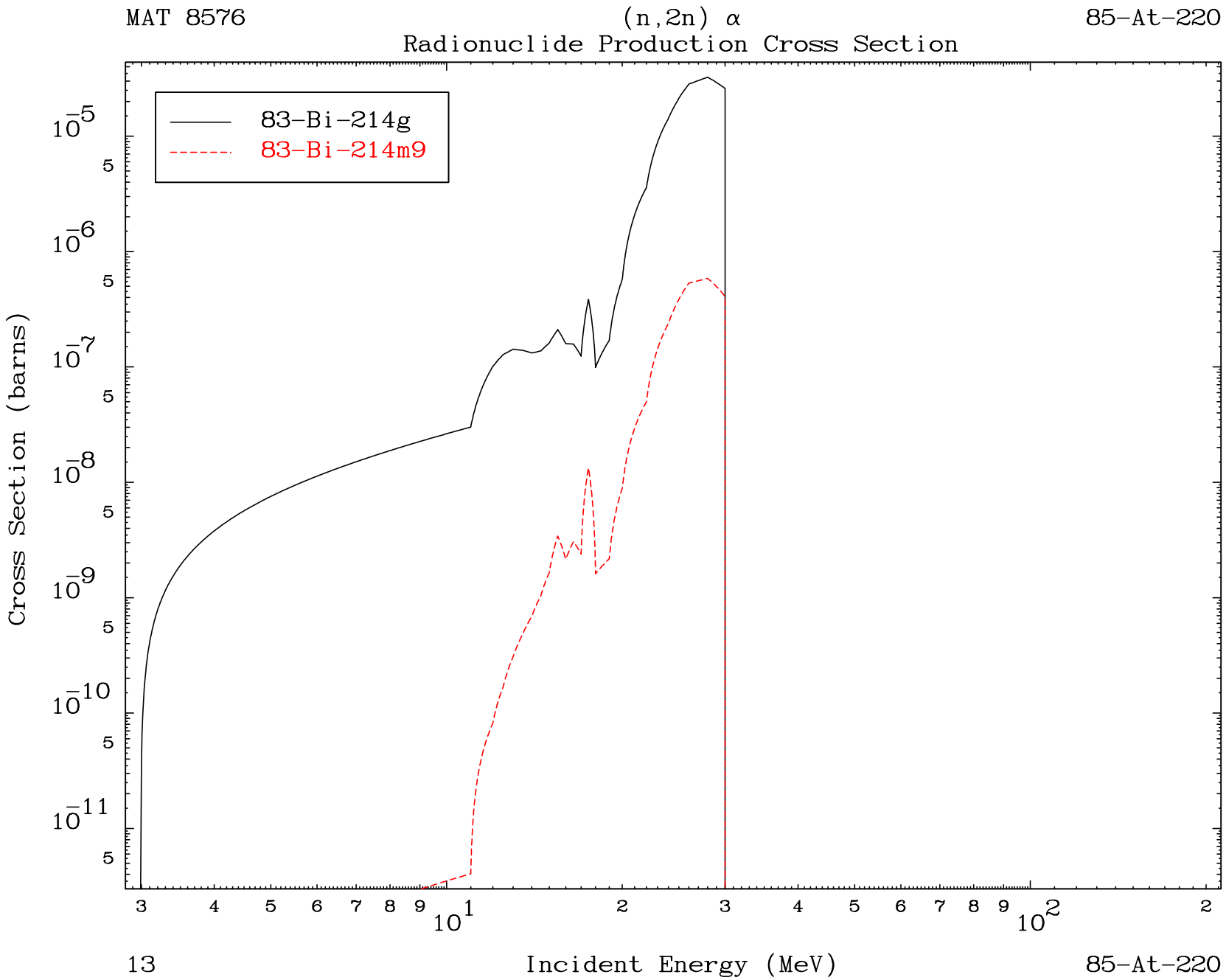

MAT 8576
(γ,p) Levels
85-At-220
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
8
85-At-220

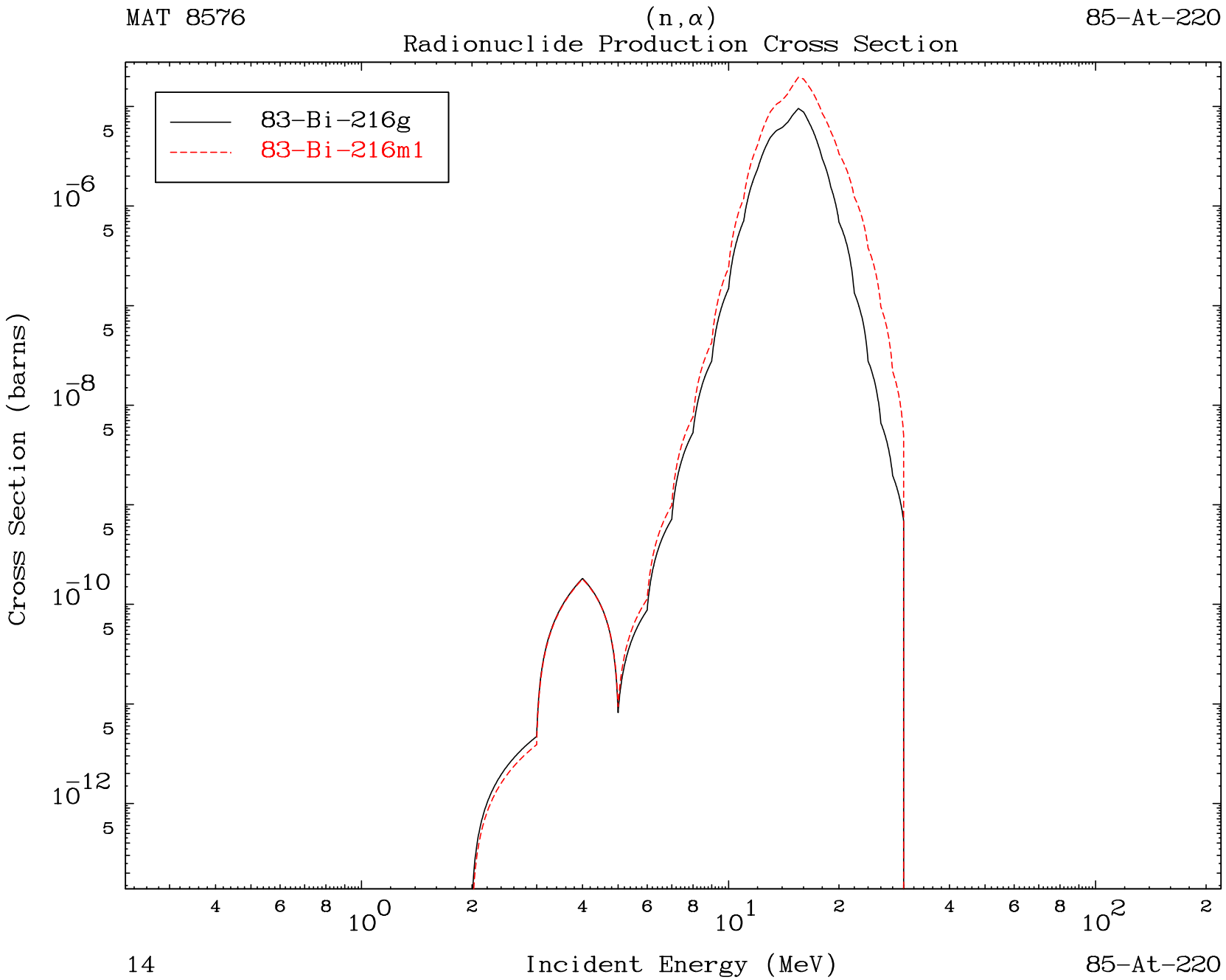

MAT 8576
(γ,d) Levels
85-At-220
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
9
85-At-220


MAT 8576
(γ,t) Levels
85-At-220
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
10
Incident Energy (MeV)
85-At-220


MAT 8576
(γ,α) Levels
85-At-220
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
4
6
8
100
101
102
11
Incident Energy (MeV)
85-At-220


MAT 8576
(n,n') α
85-At-220
Radionuclide Production Cross Section
83-Bi-215g
83-Bi-215m9
Cross Section (barns)
Incident Energy (MeV)
12
85-At-220


MAT 8576
(n,2n) α
85-At-220
Radionuclide Production Cross Section
83-Bi-214g
83-Bi-214m9
Cross Section (barns)
Incident Energy (MeV)
13
85-At-220


MAT 8576
(n,α)
85-At-220
Radionuclide Production Cross Section
83-Bi-216g
83-Bi-216m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
14
85-At-220