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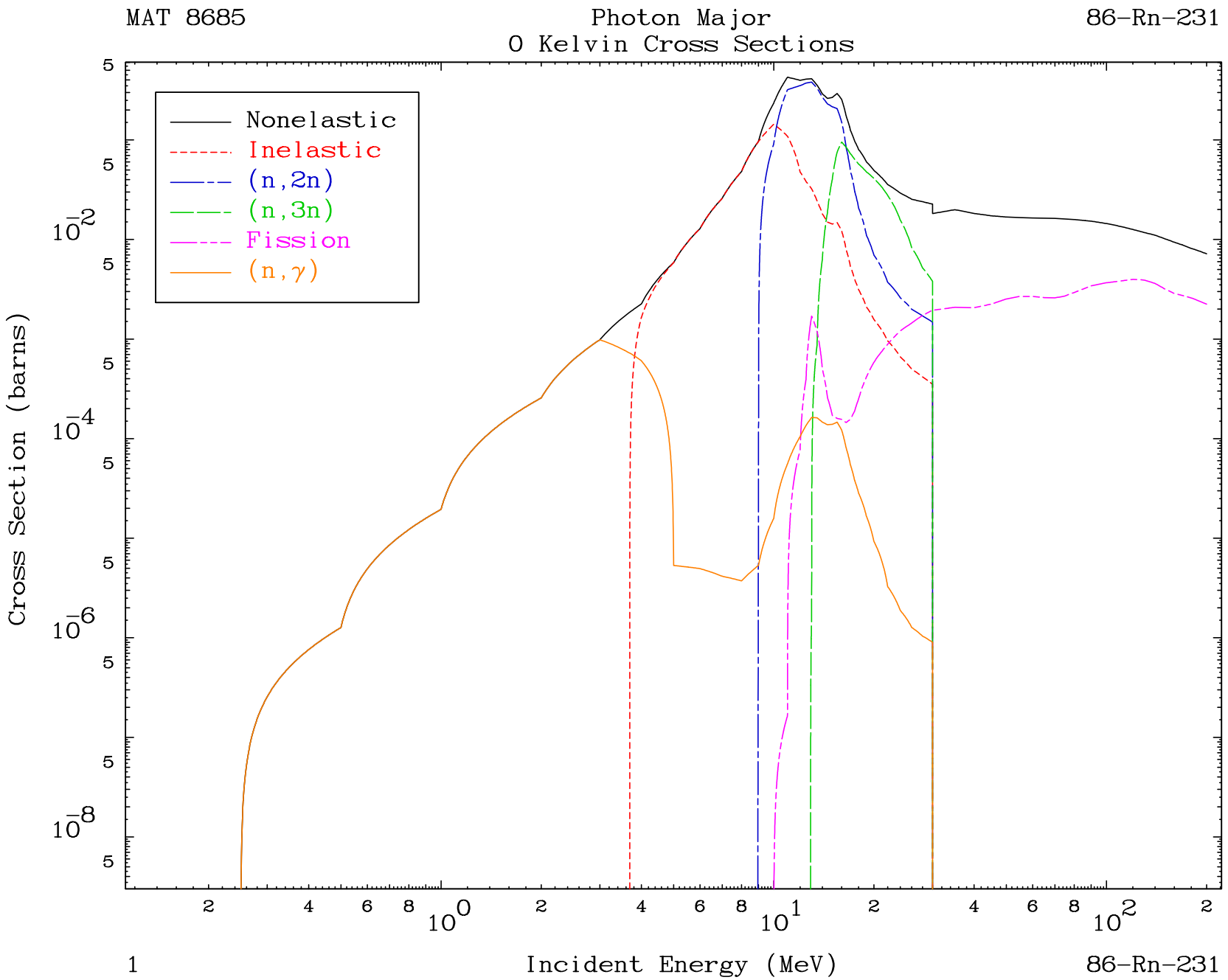
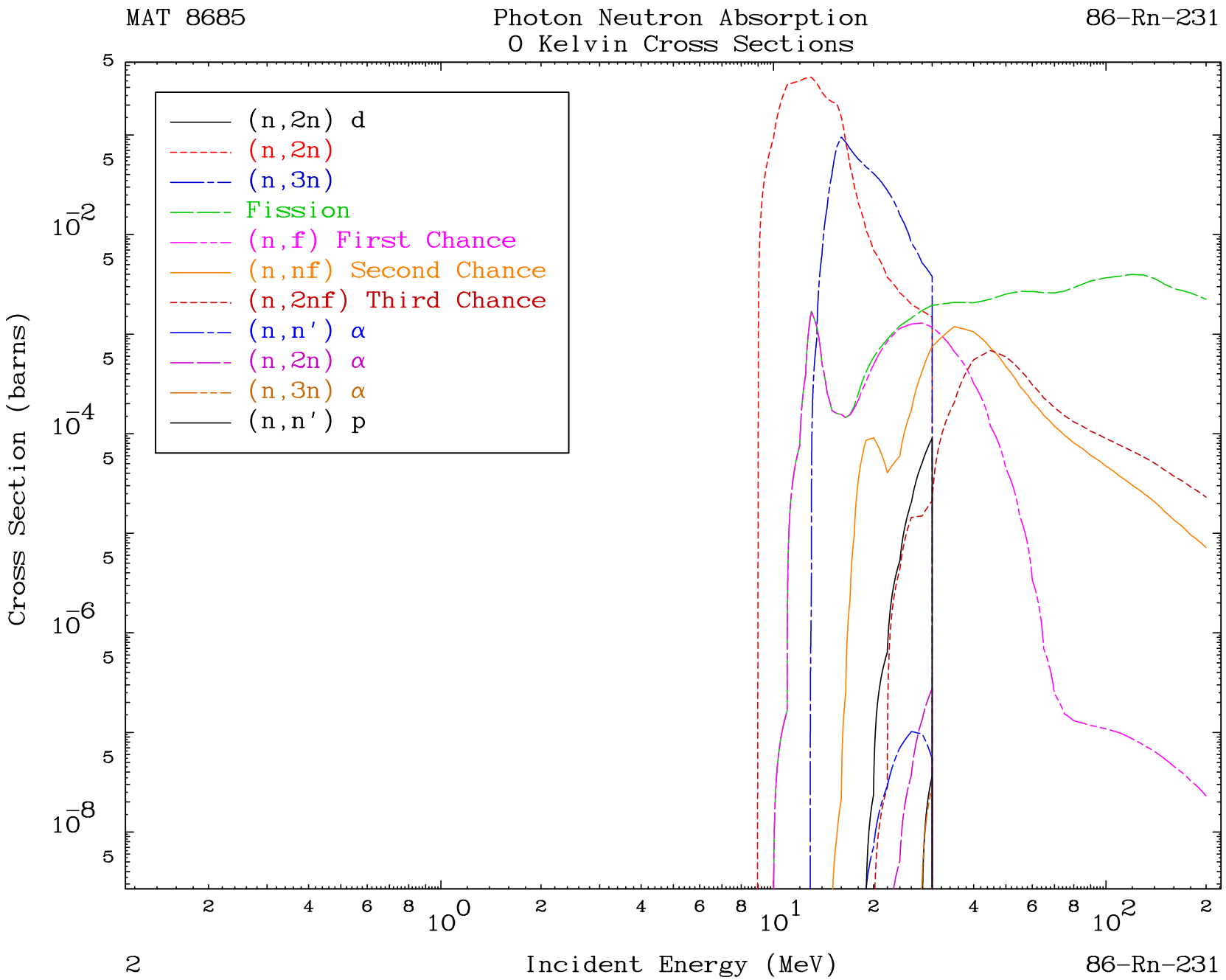
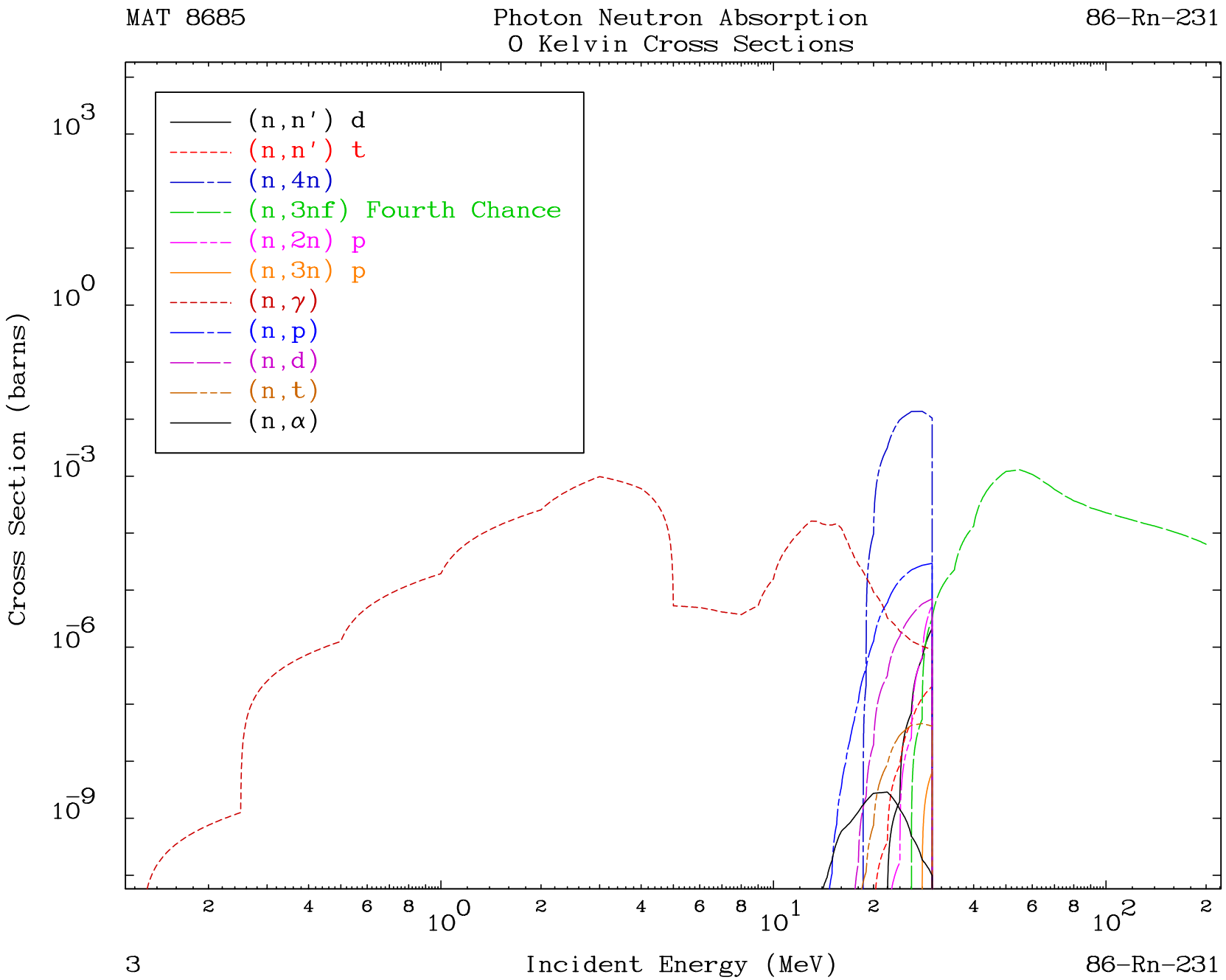
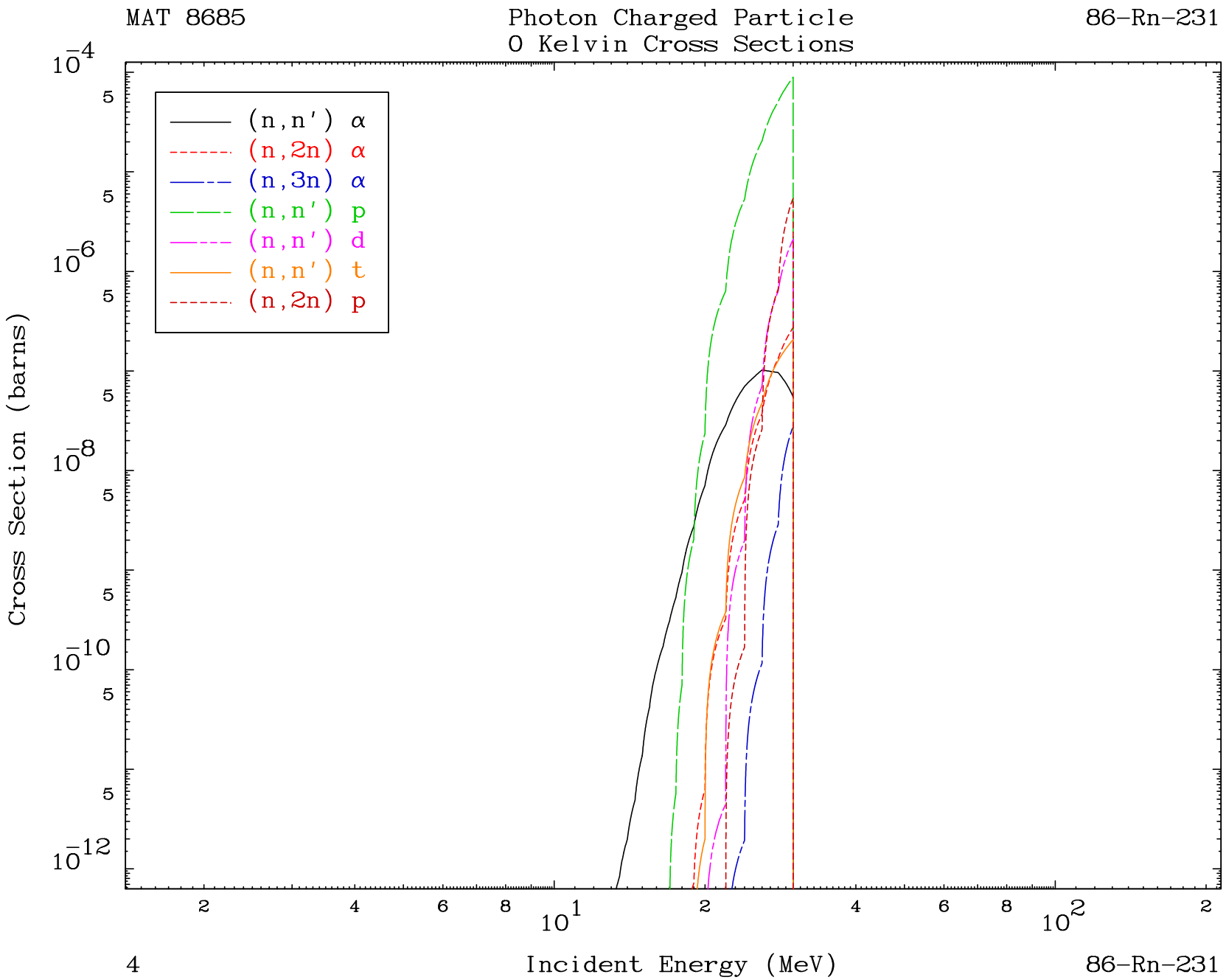
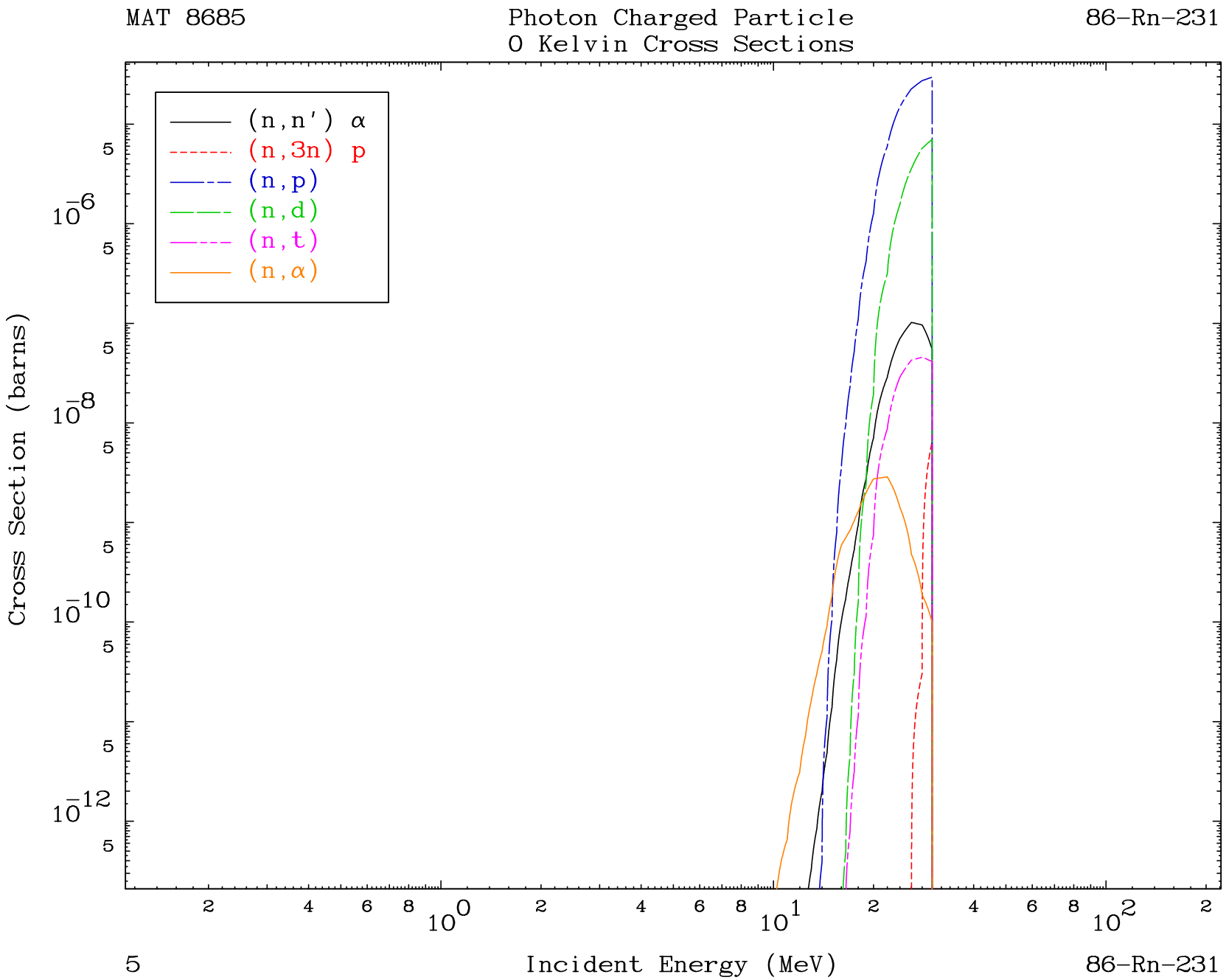
Press Mouse Button to Start

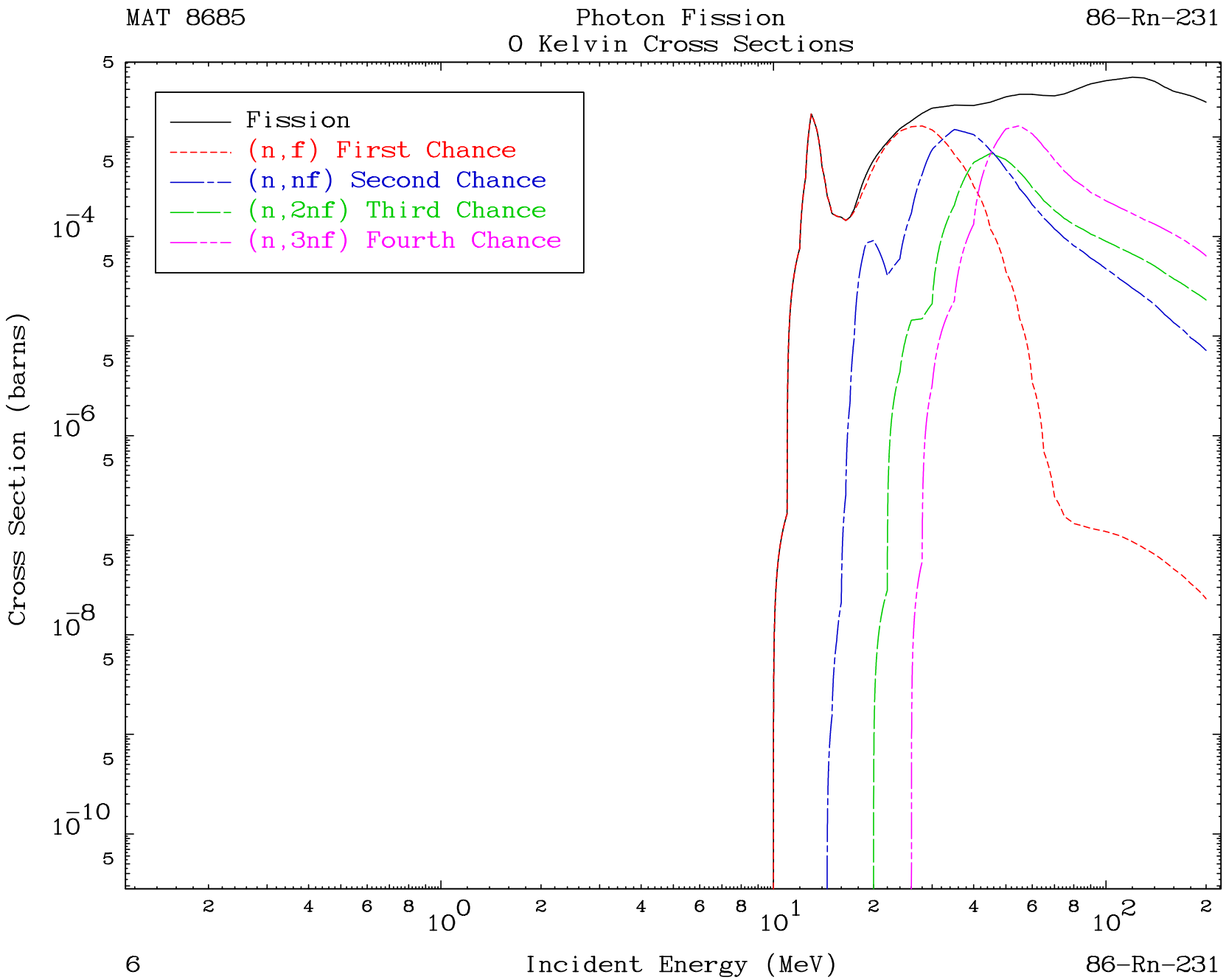

MAT 8685
Photon Major
86-Rn-231
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
Fission
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
86-Rn-231

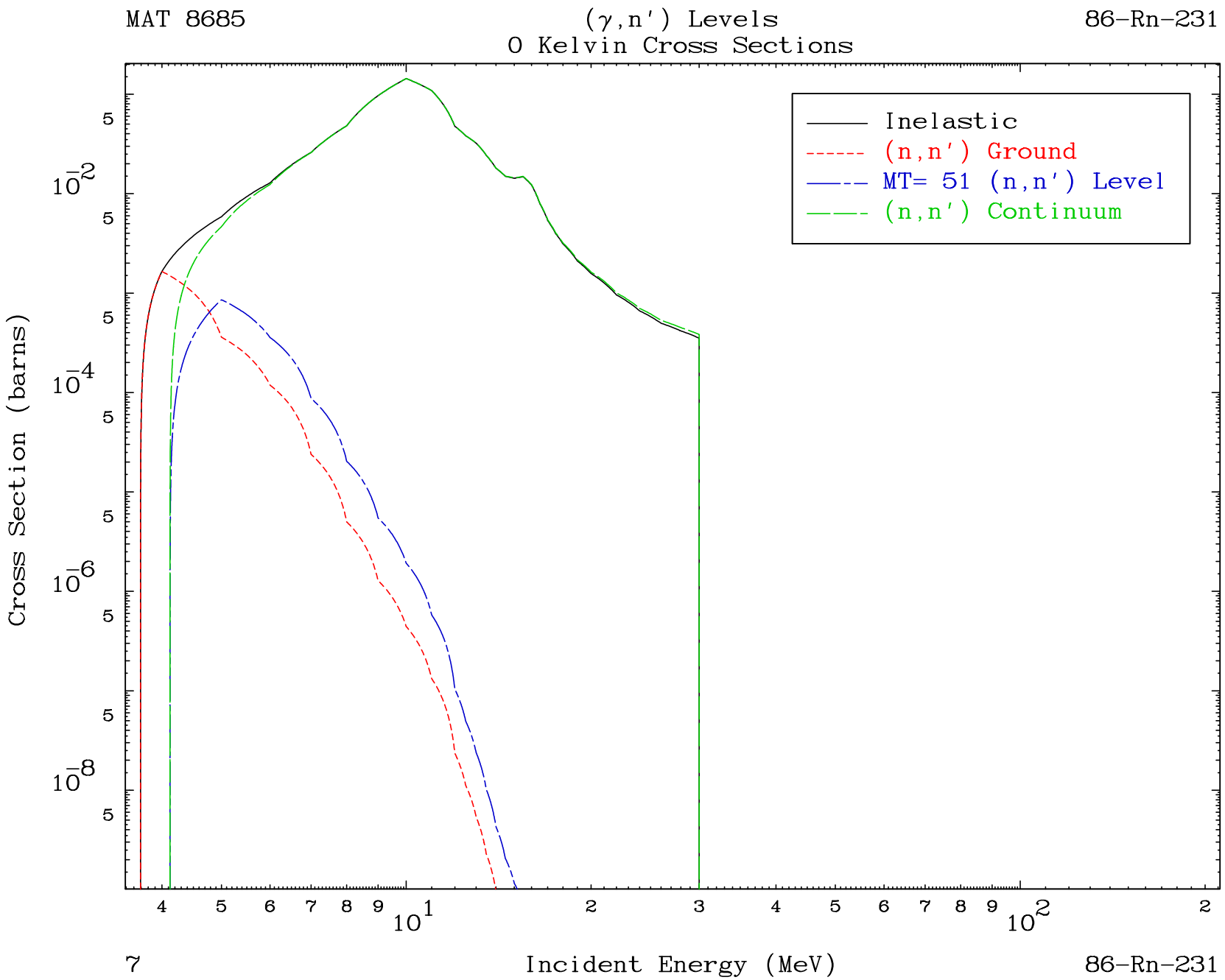

MAT 8685
Photon Neutron Absorption
0 Kelvin Cross Sections
86-Rn-231
(n,2n) d
(n,2n)
(n,3n)
Fission
(n,f) First Chance
(n,nf) Second Chance
(n,2nf) Third Chance
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
Cross Section (barns)
Incident Energy (MeV)
86-Rn-231
2

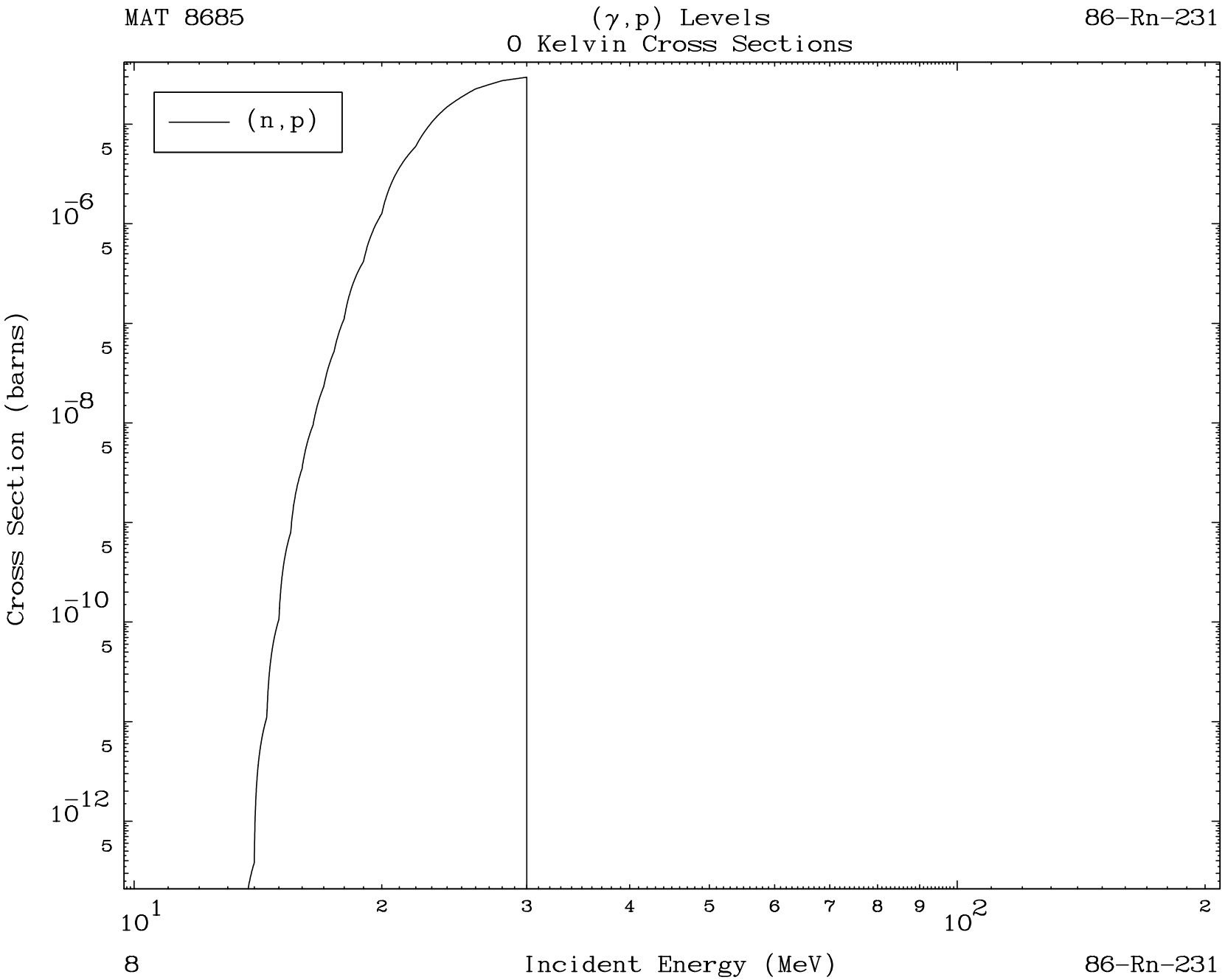

MAT 8685
Photon Neutron Absorption
0 Kelvin Cross Sections
86-Rn-231
(n,n') d
(n,n') t
(n,4n)
(n,3nf) Fourth Chance
(n,2n) p
(n,3n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
10^3
10^0
10^-3
10^-6
10^-9
2
4
6
8
10^0
10^1
10^2
Incident Energy (MeV)
3
86-Rn-231

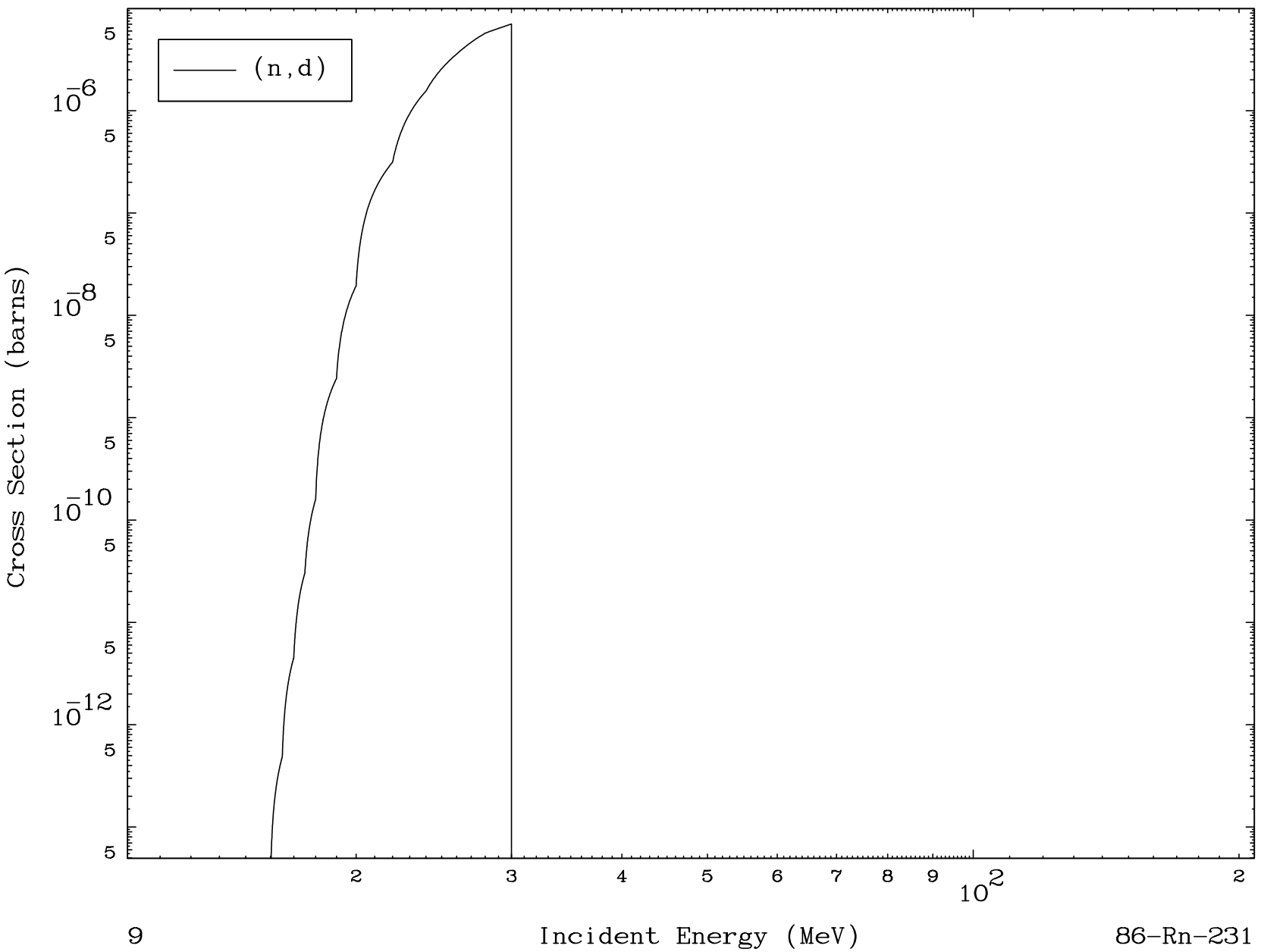

MAT 8685
Photon Charged Particle
0 Kelvin Cross Sections
86-Rn-231
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
4
86-Rn-231

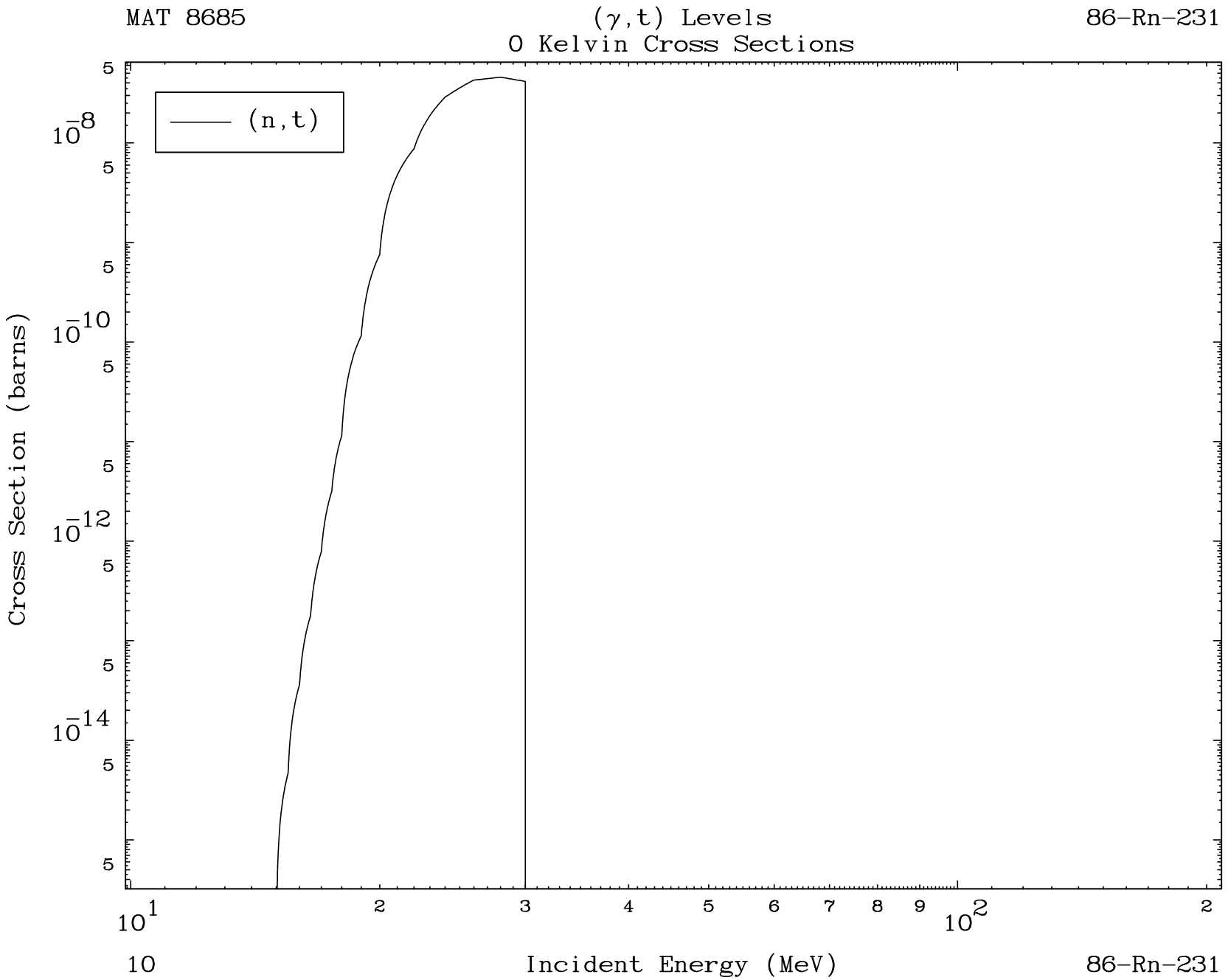

MAT 8685
Photon Charged Particle
0 Kelvin Cross Sections
86-Rn-231
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
86-Rn-231
5

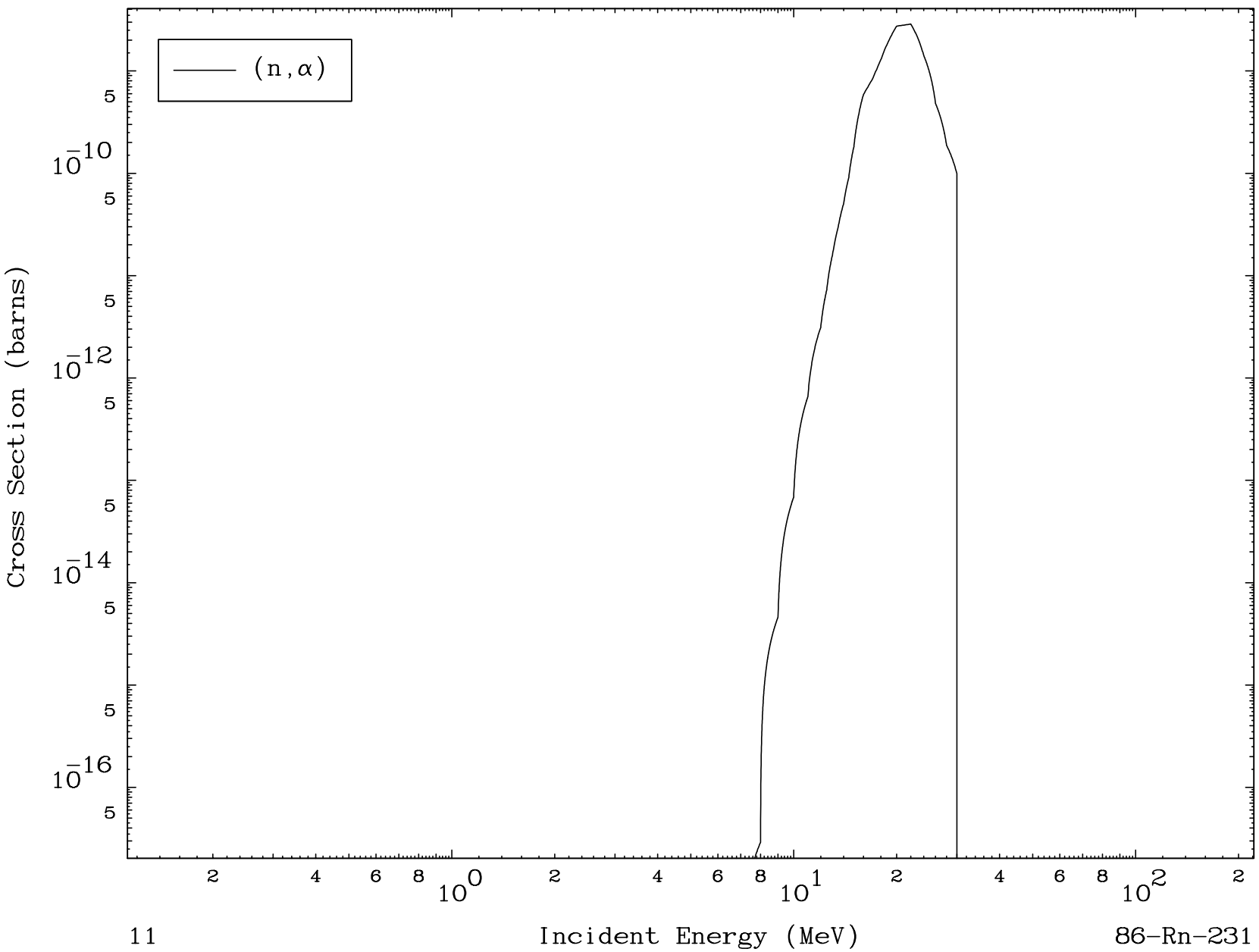

MAT 8685
Photon Fission
86-Rn-231
0 Kelvin Cross Sections
Fission
(n,f) First Chance
(n,nf) Second Chance
(n,2nf) Third Chance
(n,3nf) Fourth Chance
Cross Section (barns)
Incident Energy (MeV)
6
86-Rn-231


MAT 8685
(γ,n') Levels
0 Kelvin Cross Sections
86-Rn-231
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
86-Rn-231
7


MAT 8685
(γ,p) Levels
86-Rn-231
0 Kelvin Cross Sections
(n,p)
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
Incident Energy (MeV)
8
86-Rn-231


0 Kelvin Cross Sections
(n,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 8685
(γ,t) Levels
86-Rn-231
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^1
10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
86-Rn-231


0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
10^0
10^1
10^2
Incident Energy (MeV)