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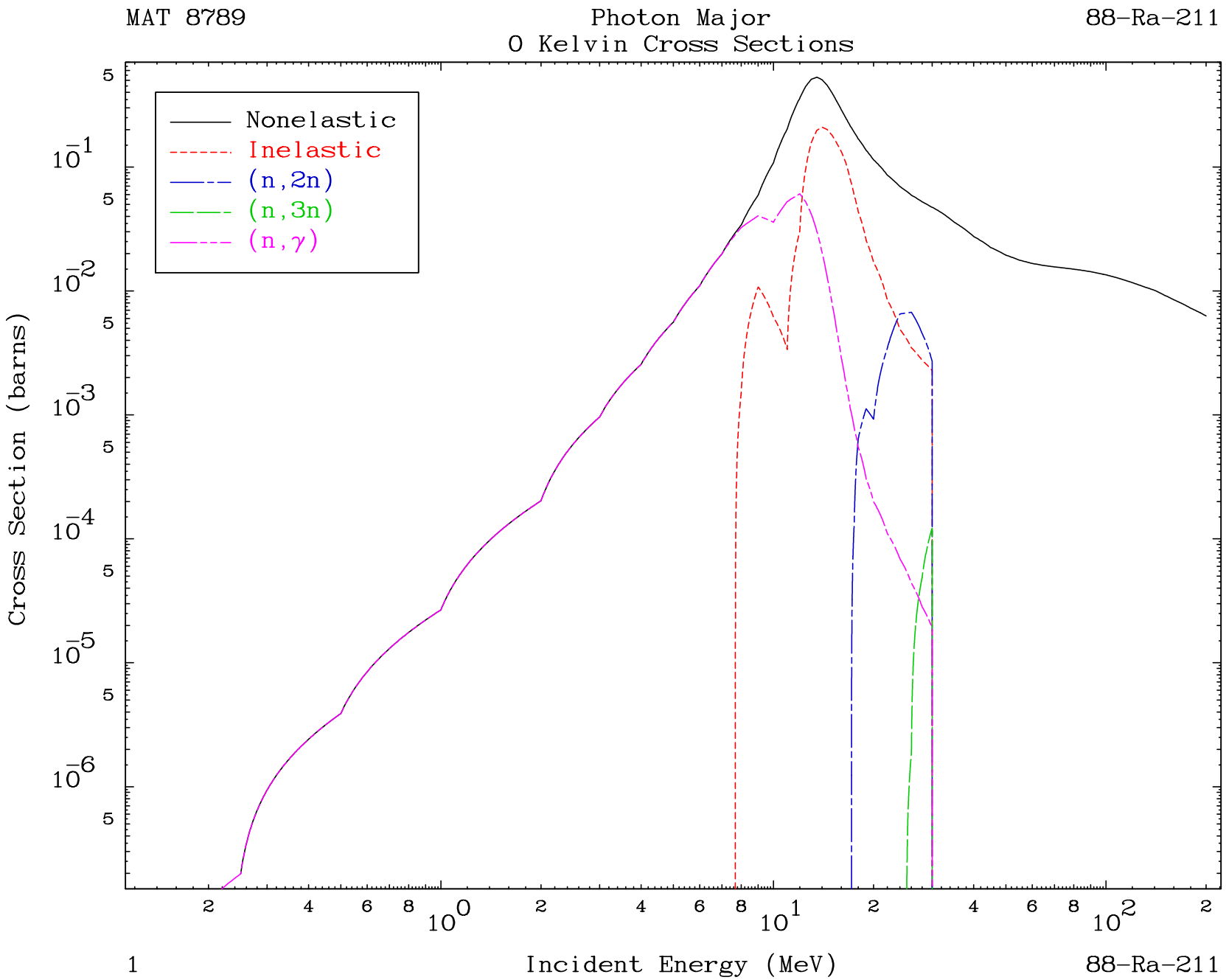
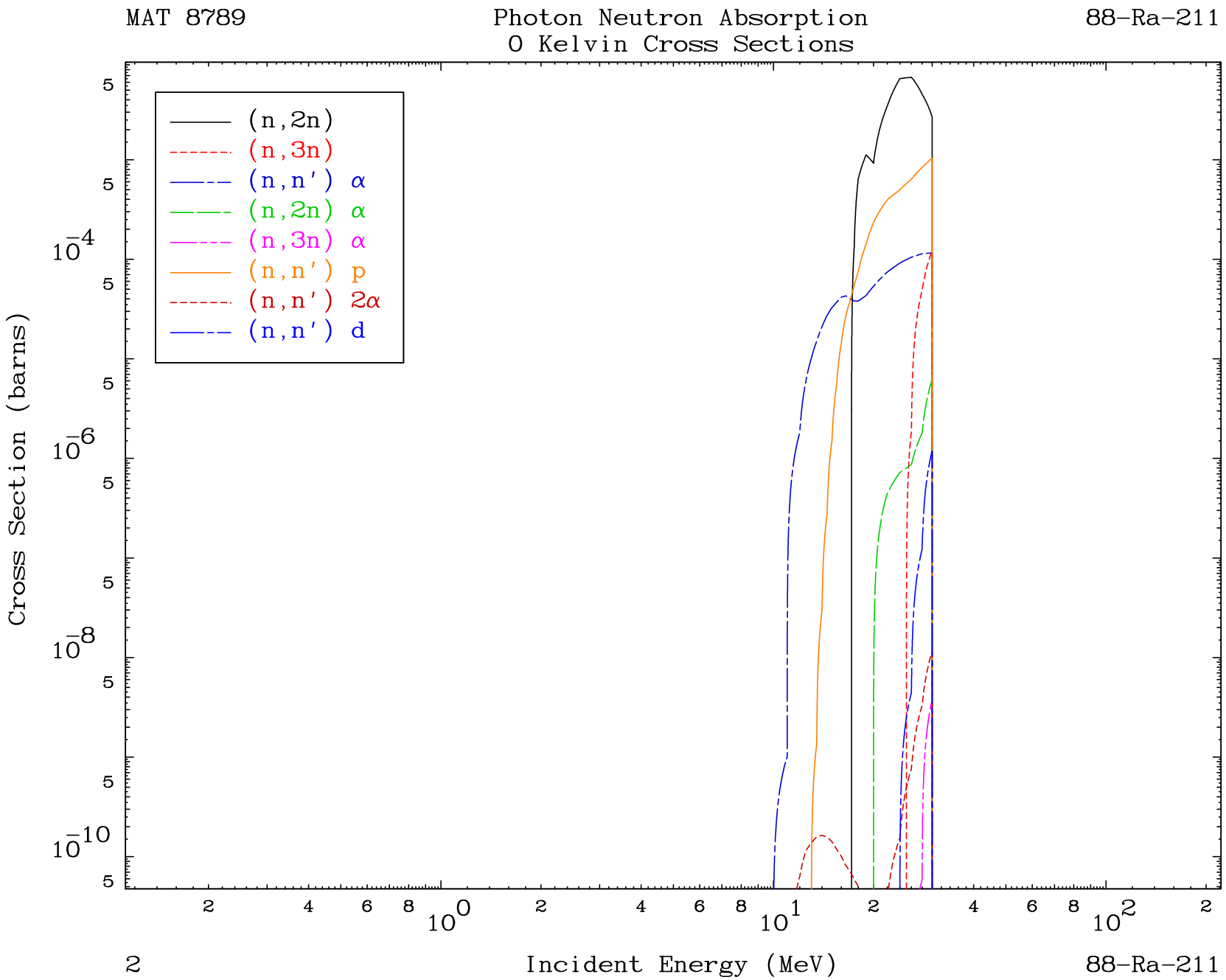
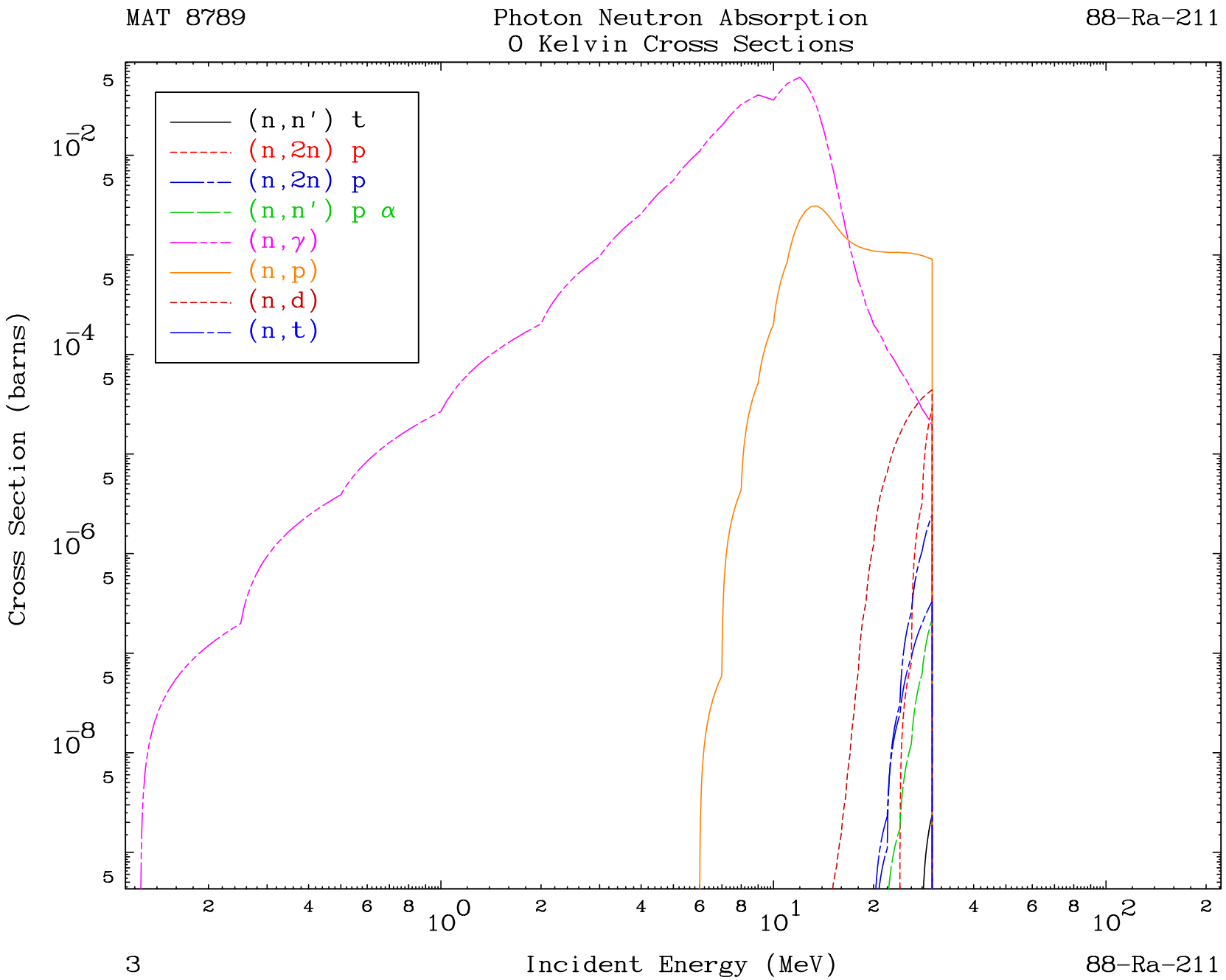
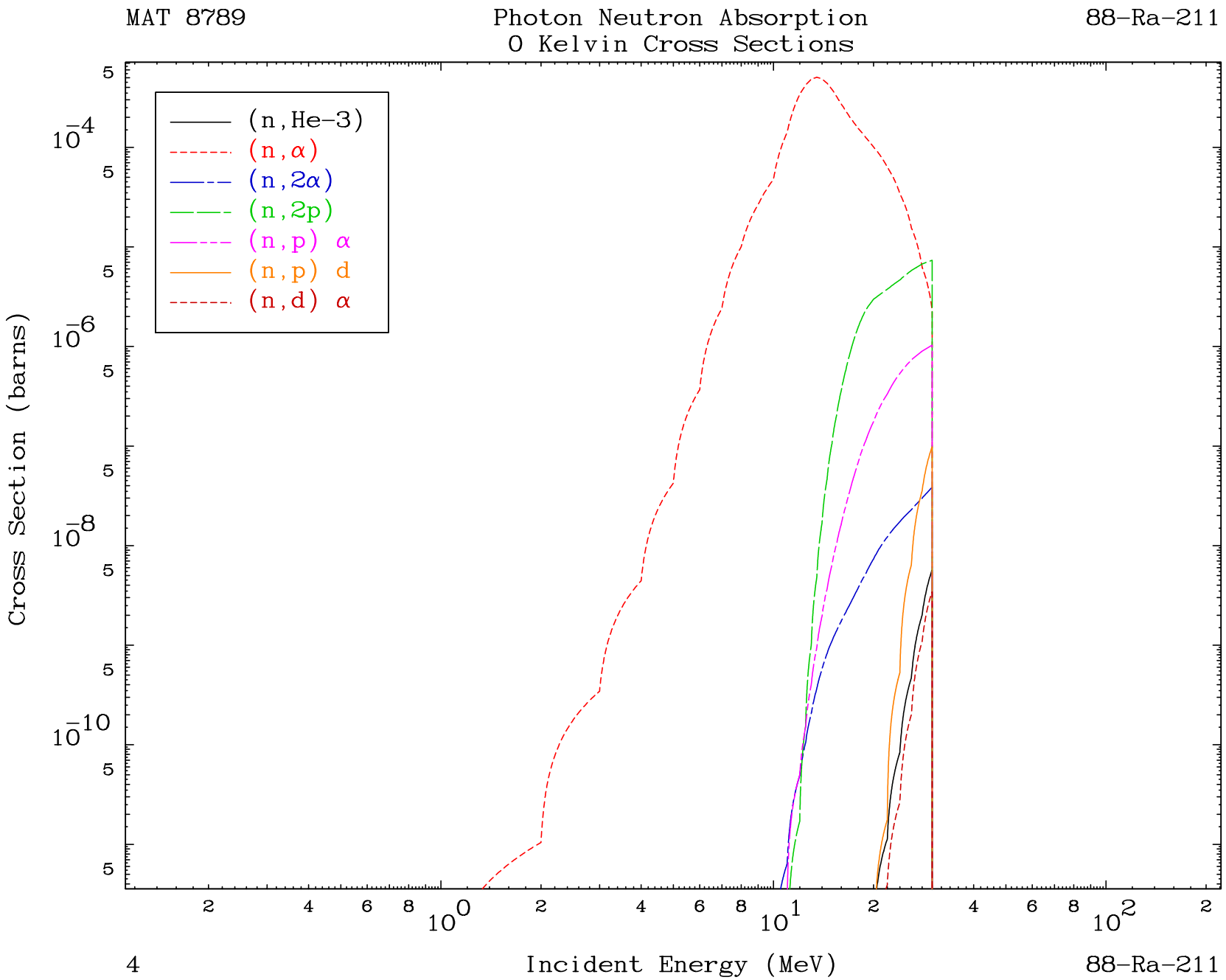
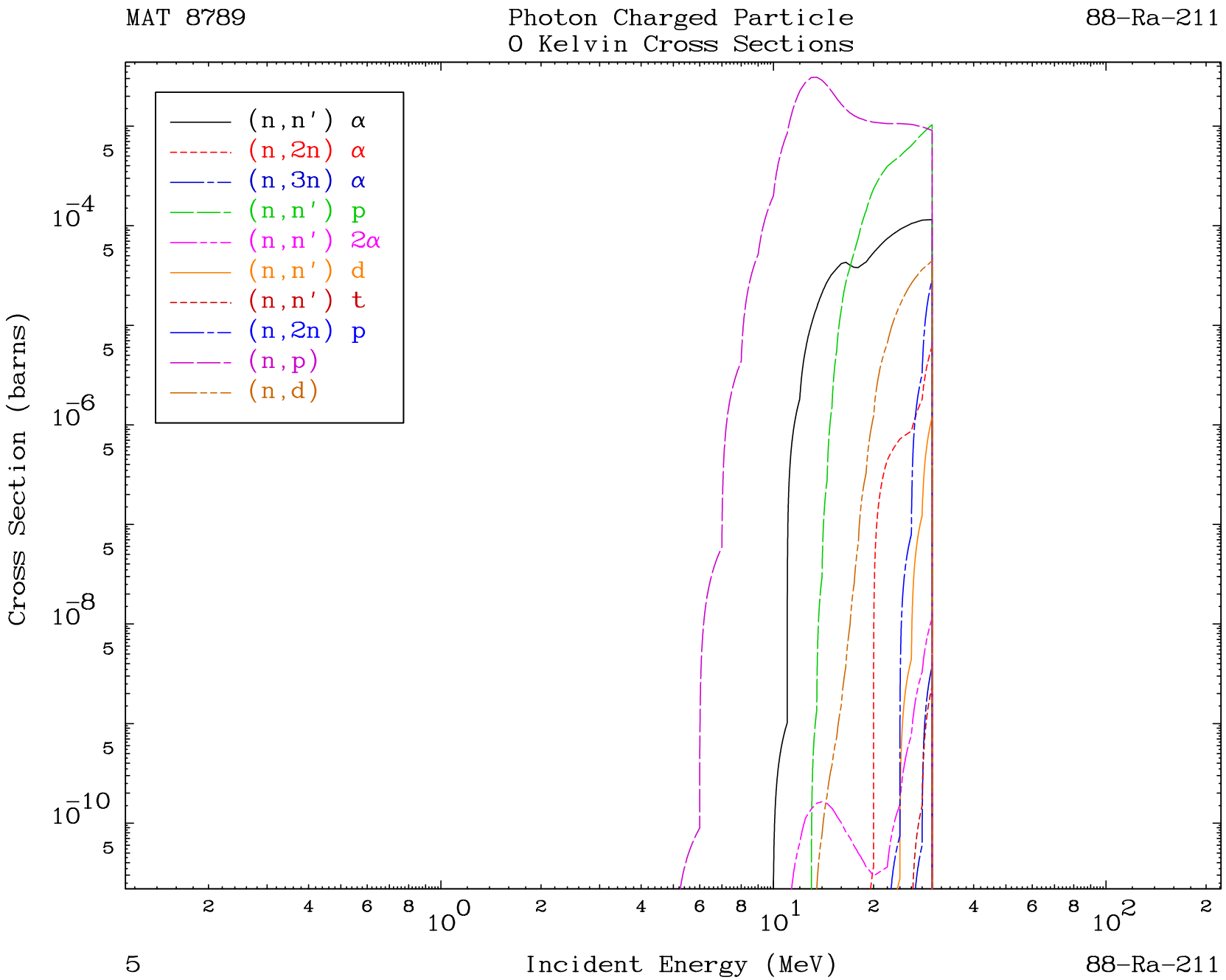
Press Mouse Button to Start

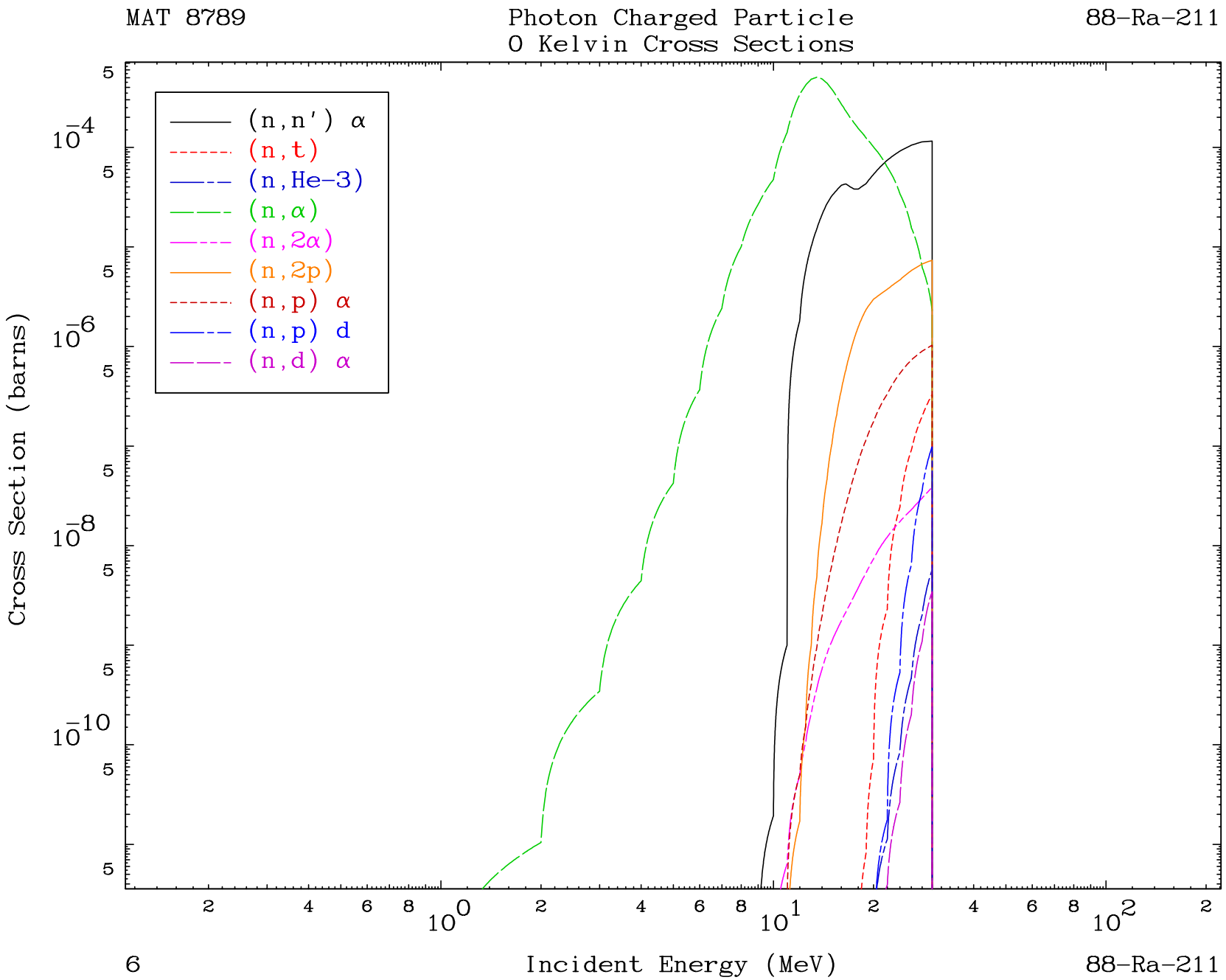

MAT 8789
Photon Major
88-Ra-211
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
88-Ra-211

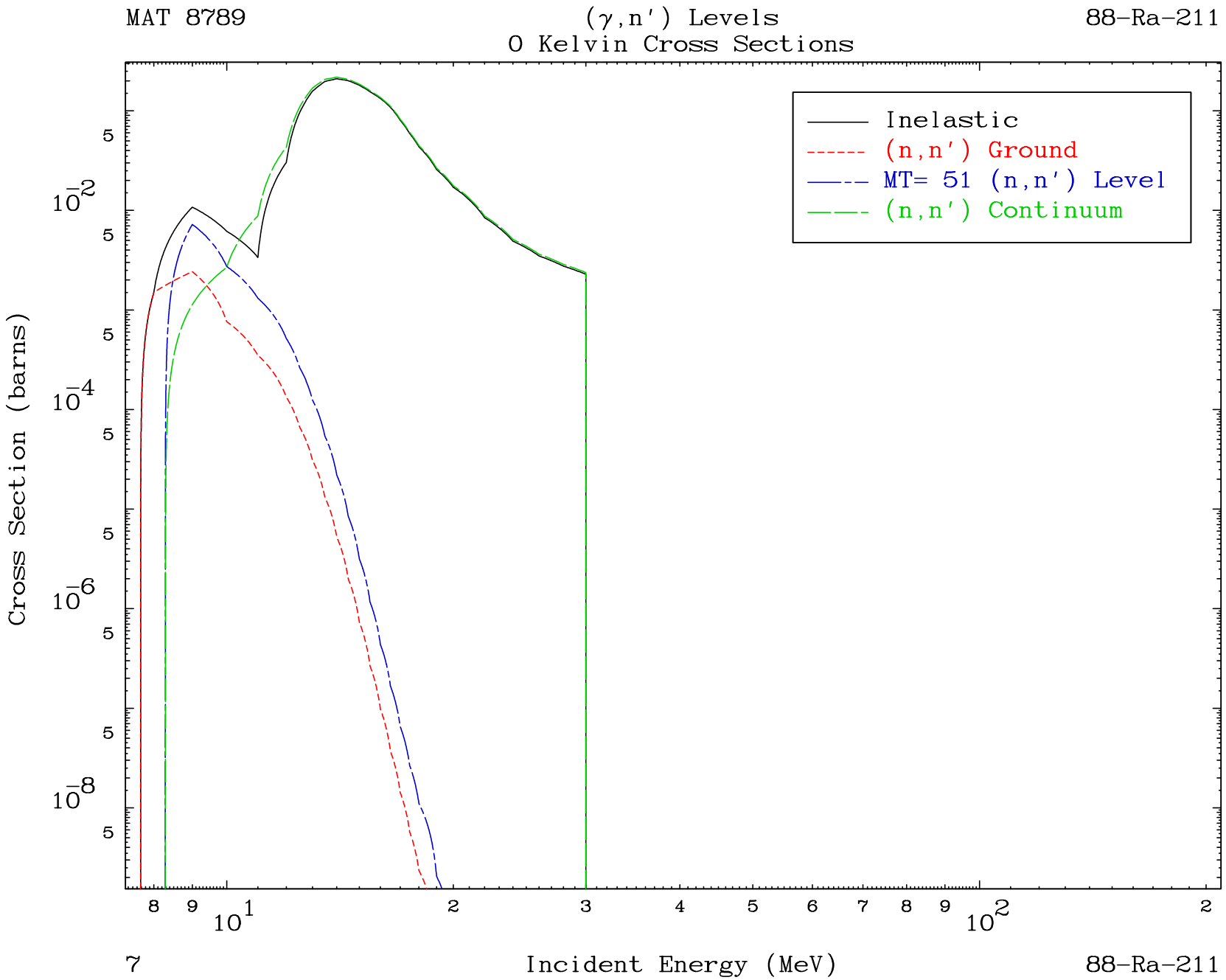

MAT 8789
Photon Neutron Absorption
0 Kelvin Cross Sections
88-Ra-211
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
88-Ra-211

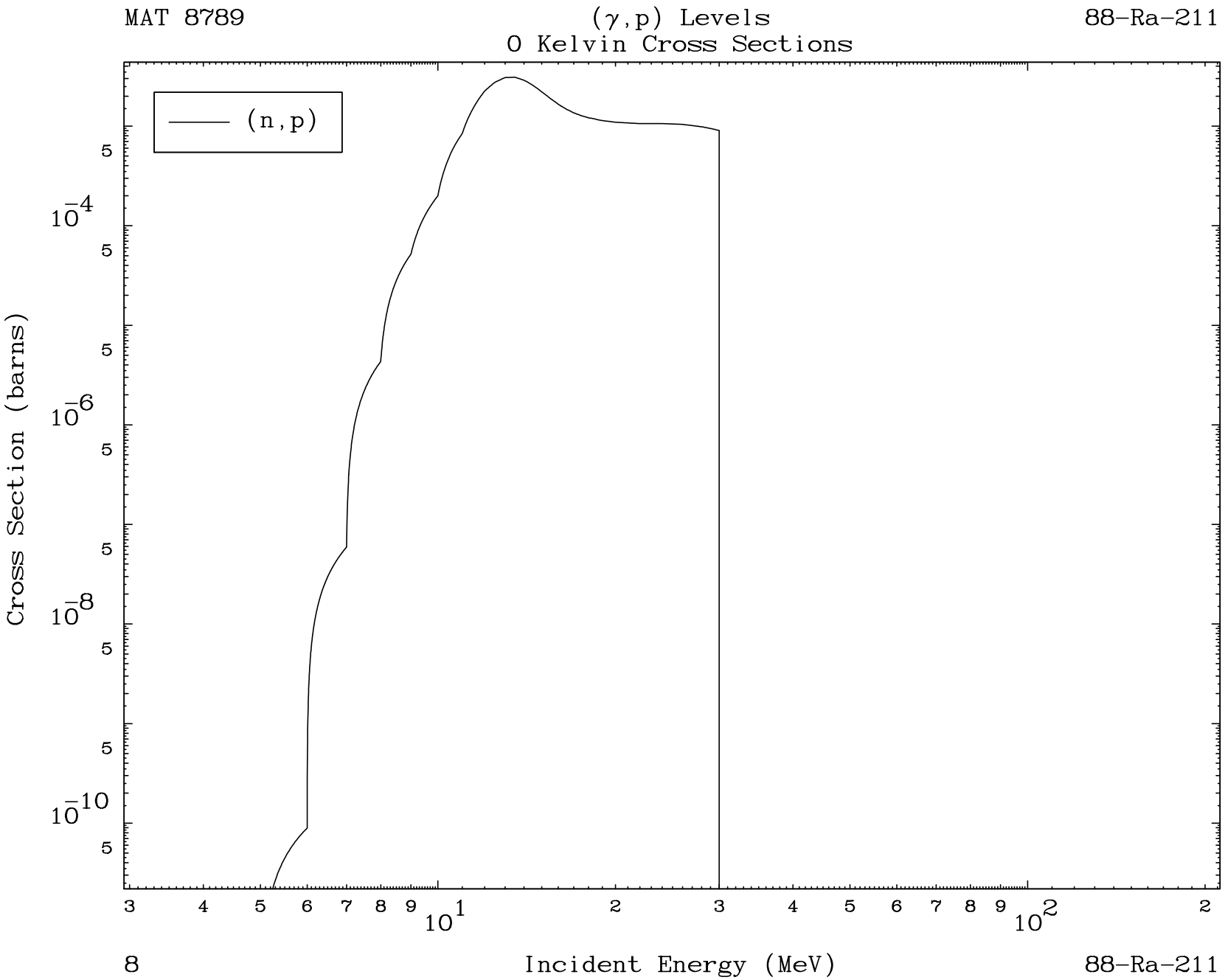

MAT 8789
Photon Neutron Absorption
0 Kelvin Cross Sections
88-Ra-211
(n,n') t
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
88-Ra-211

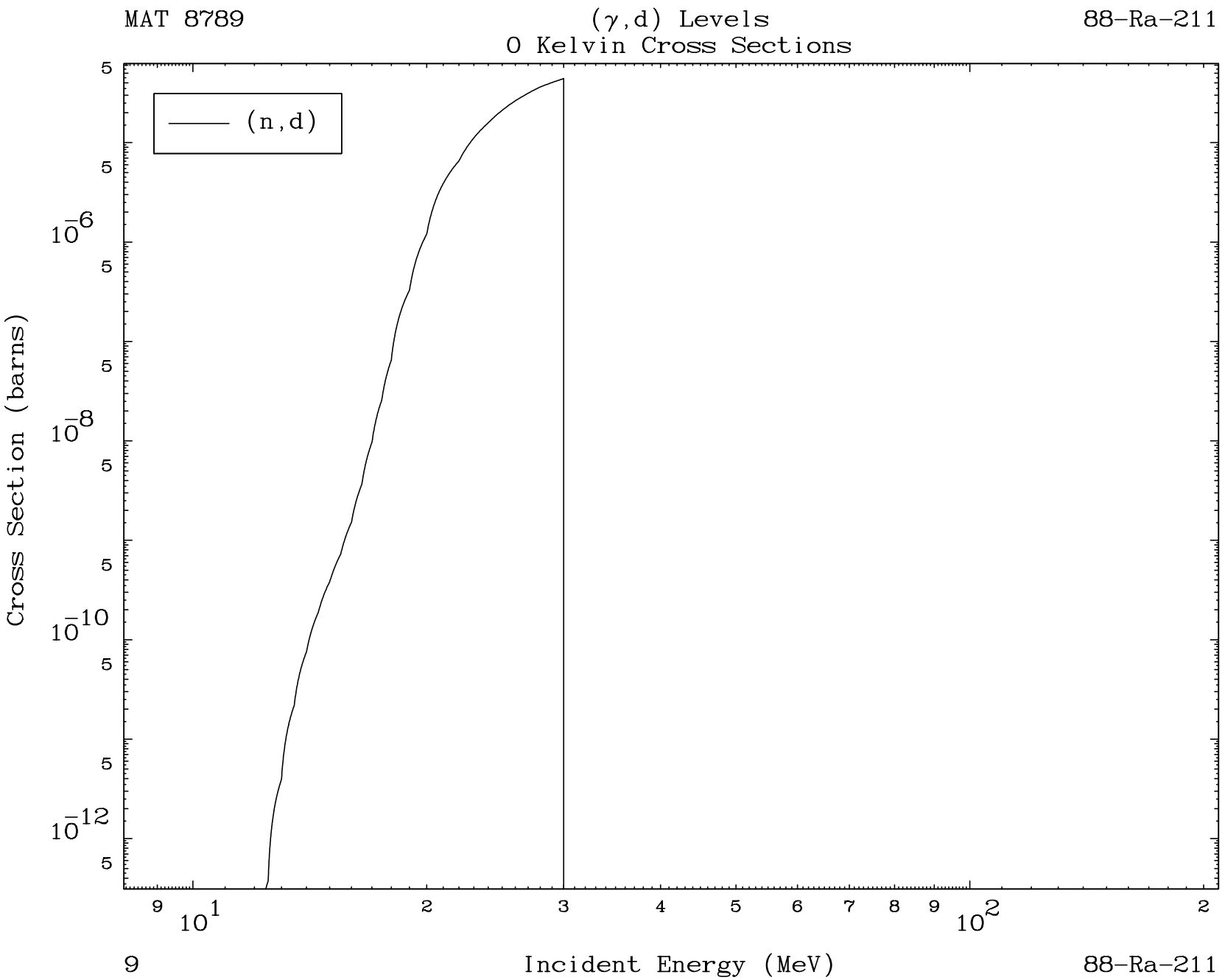

MAT 8789
Photon Neutron Absorption
0 Kelvin Cross Sections
88-Ra-211
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
88-Ra-211

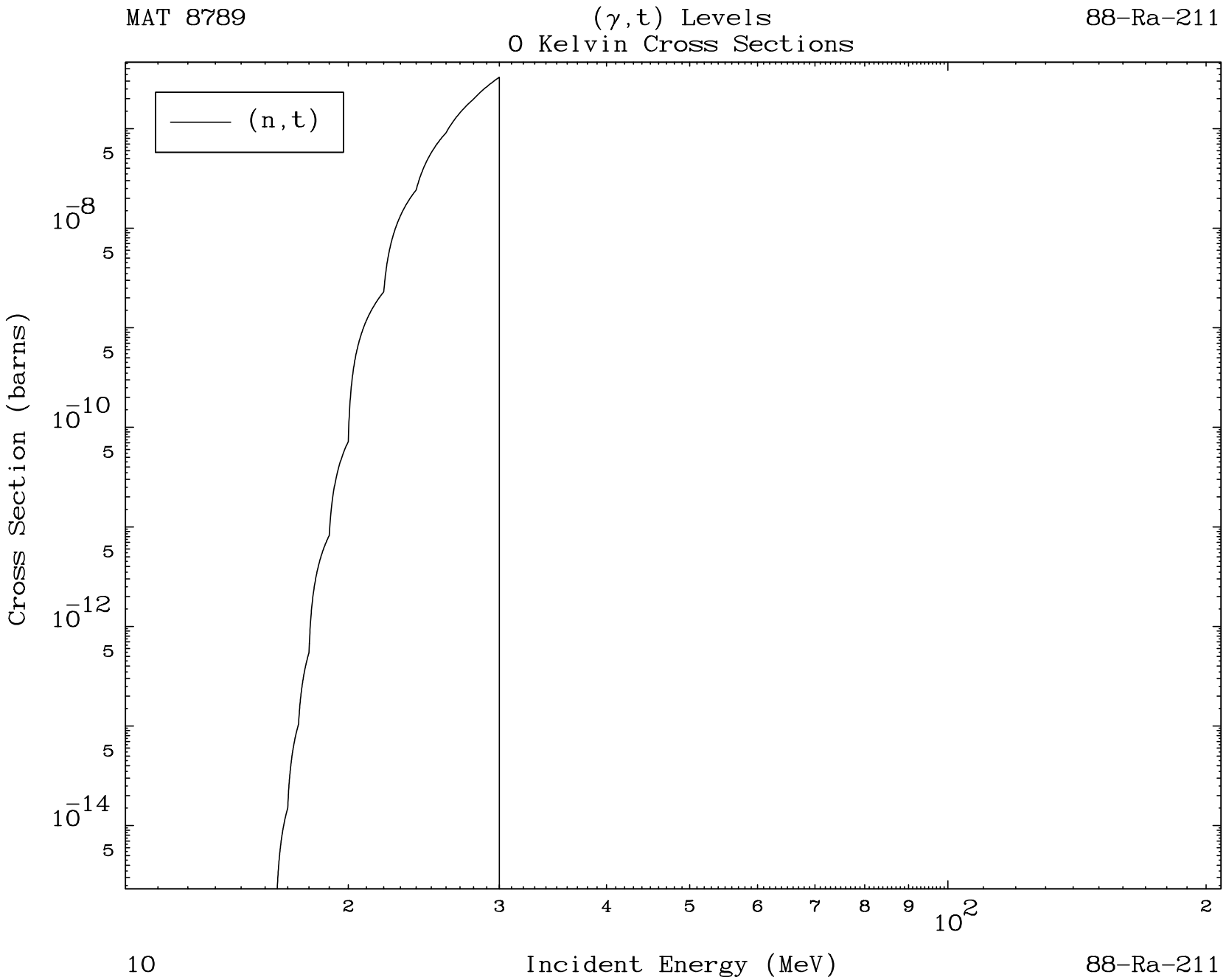

MAT 8789
Photon Charged Particle
0 Kelvin Cross Sections
88-Ra-211
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
88-Ra-211

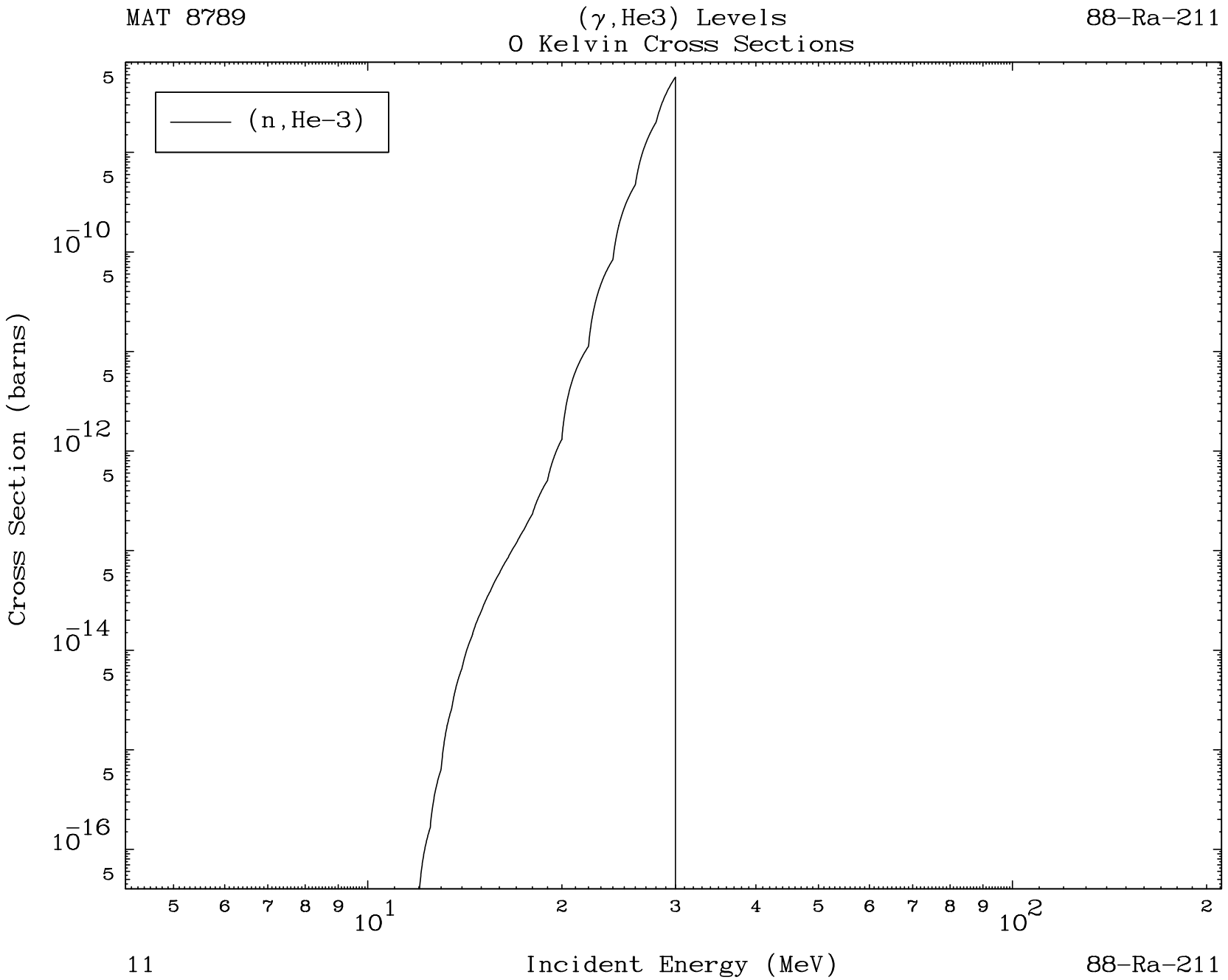

MAT 8789
Photon Charged Particle
0 Kelvin Cross Sections
88-Ra-211
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
88-Ra-211

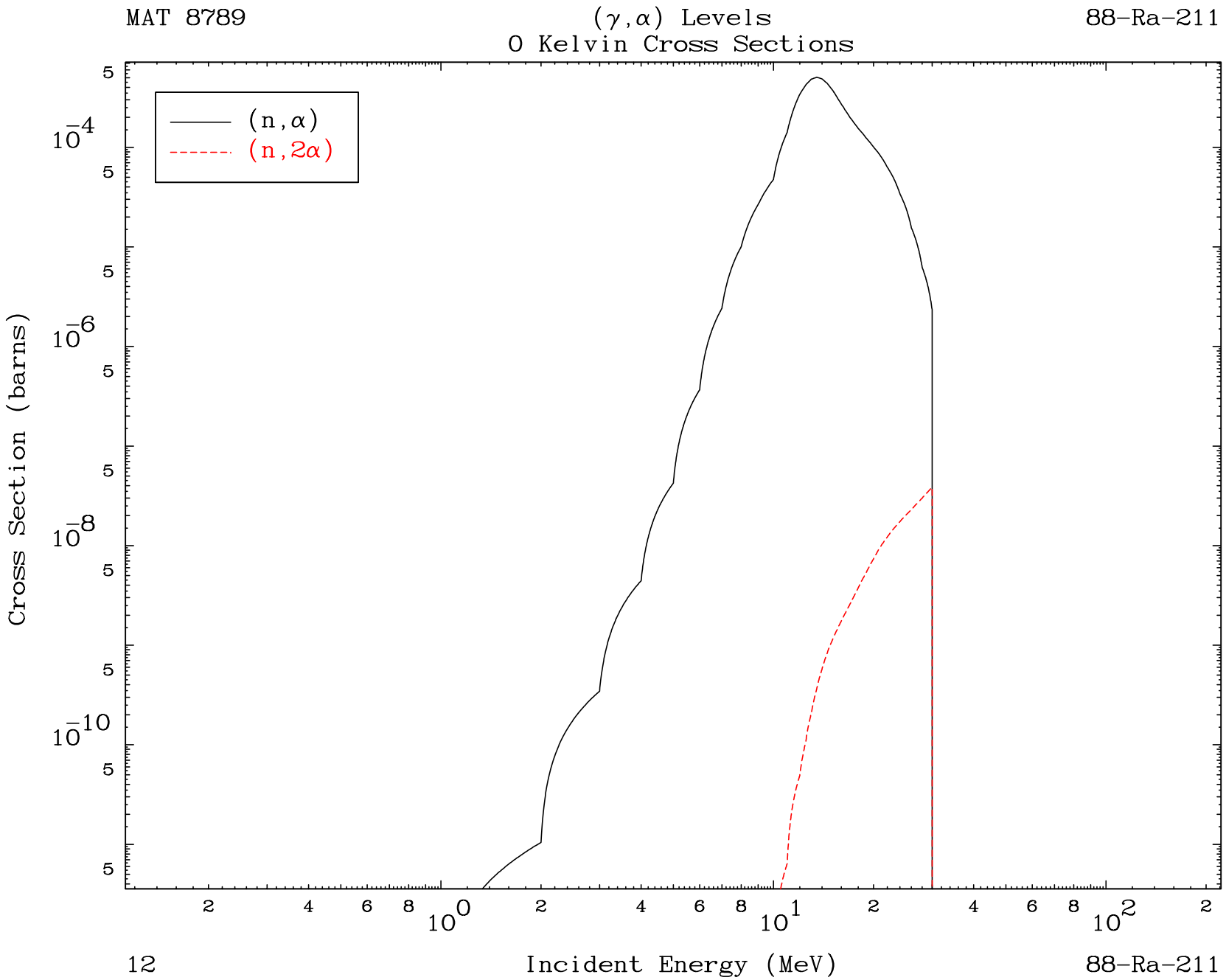

MAT 8789
(γ,n') Levels
0 Kelvin Cross Sections
88-Ra-211
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
7
88-Ra-211


MAT 8789
(γ,p) Levels
88-Ra-211
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
8
88-Ra-211


MAT 8789
(γ,d) Levels
88-Ra-211
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
88-Ra-211

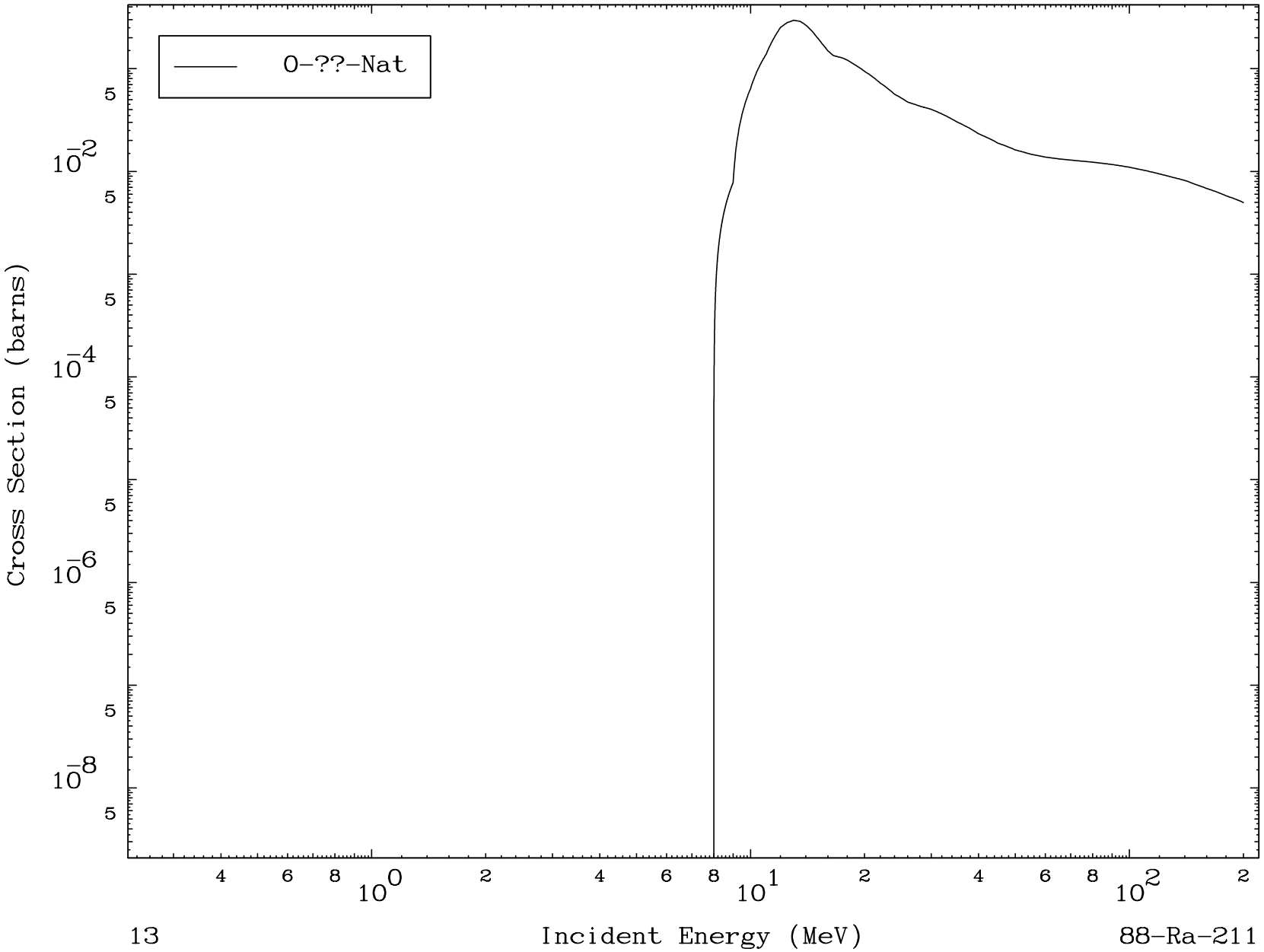

MAT 8789
(γ,t) Levels
88-Ra-211
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
88-Ra-211


MAT 8789
(γ,He3) Levels
88-Ra-211
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
88-Ra-211

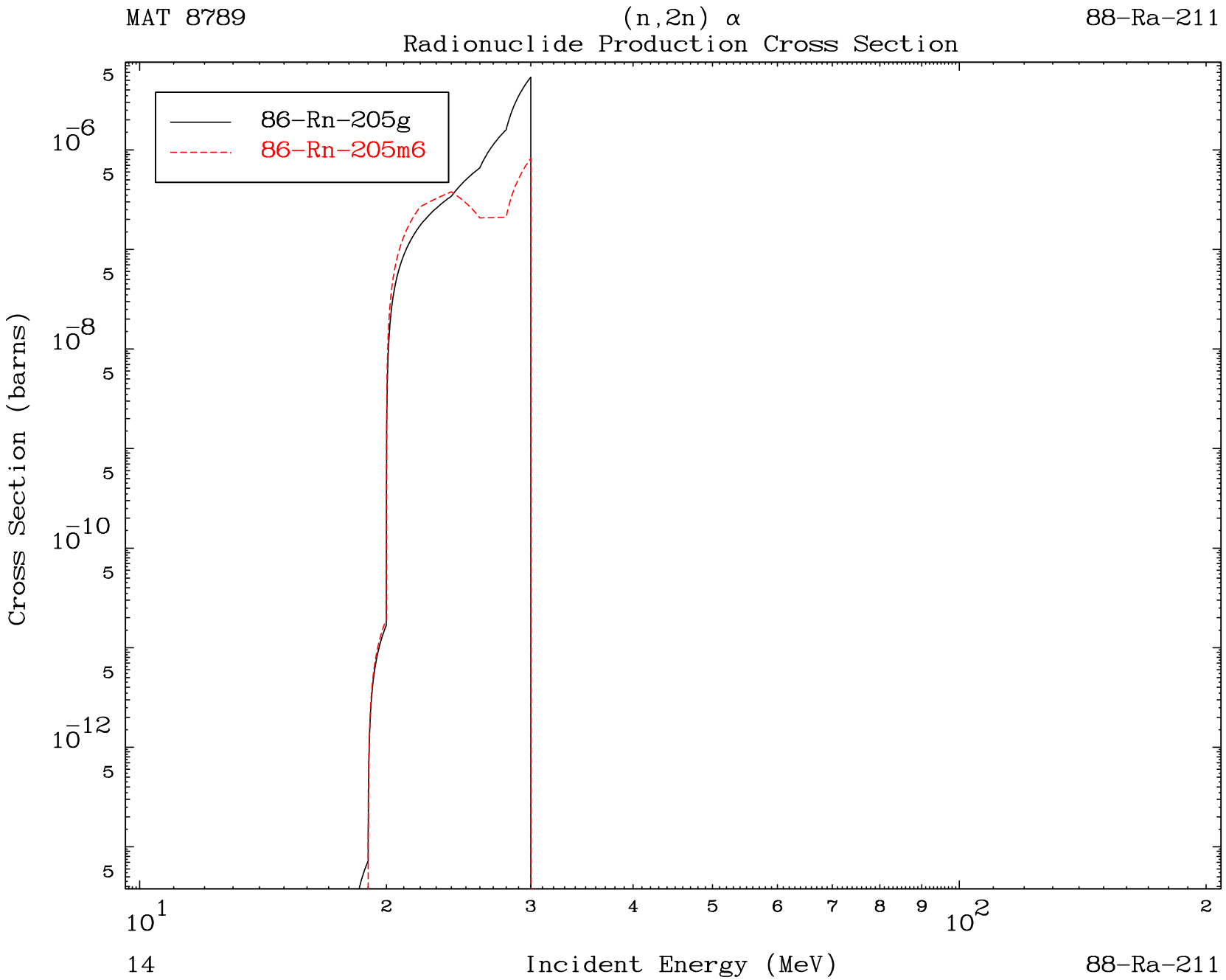

MAT 8789
(γ,α) Levels
88-Ra-211
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
12
88-Ra-211

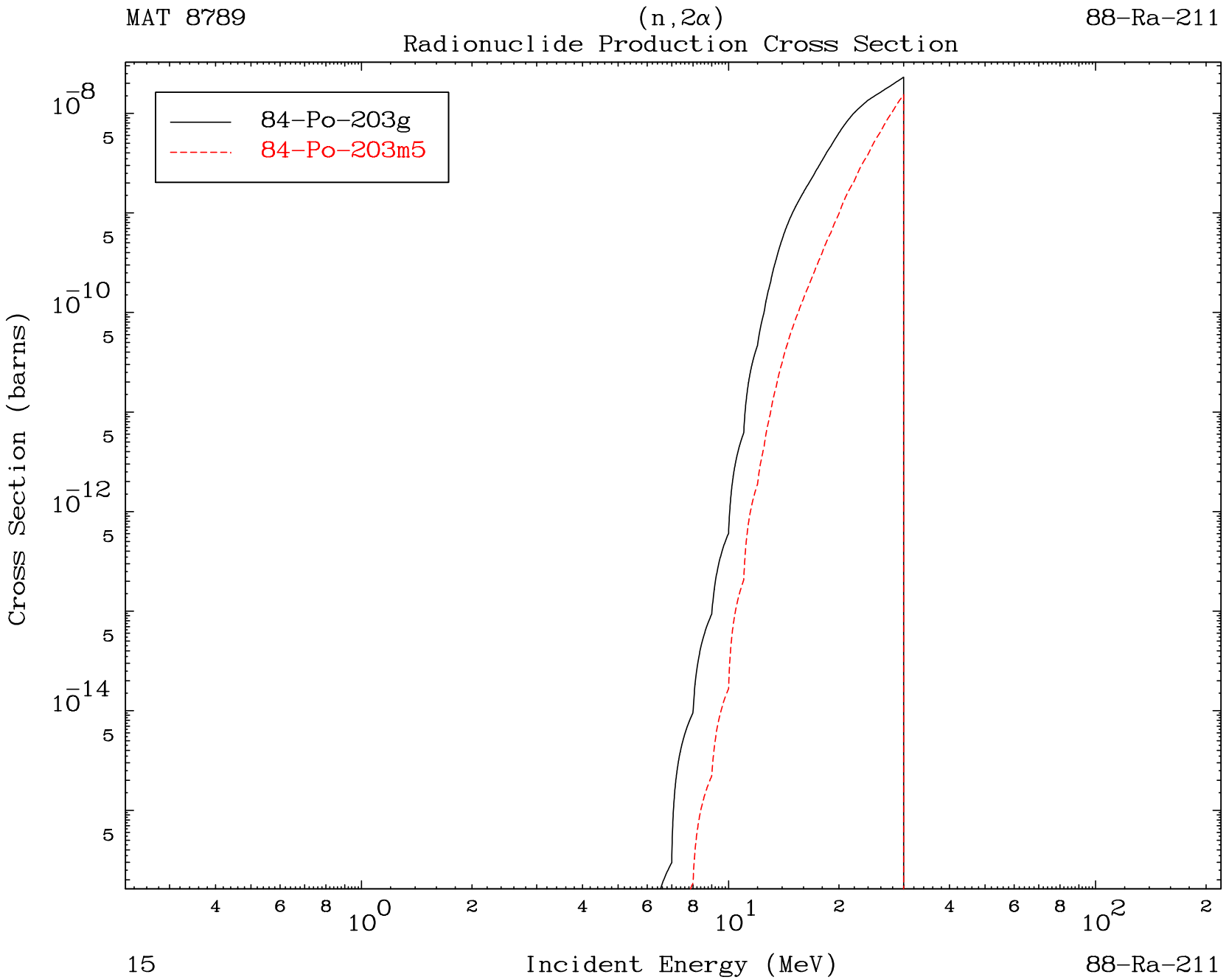
MAT 8789 Fission 88-Ra-211

Radionuclide Production Cross Section




13 88-Ra-211


MAT 8789
(n,2n) α
88-Ra-211
Radionuclide Production Cross Section
86-Rn-205g
86-Rn-205m6
Cross Section (barns)
Incident Energy (MeV)
14
88-Ra-211


MAT 8789
(n,2α)
88-Ra-211
Radionuclide Production Cross Section
84-Po-203g
84-Po-203m5
Cross Section (barns)
Incident Energy (MeV)
15
88-Ra-211