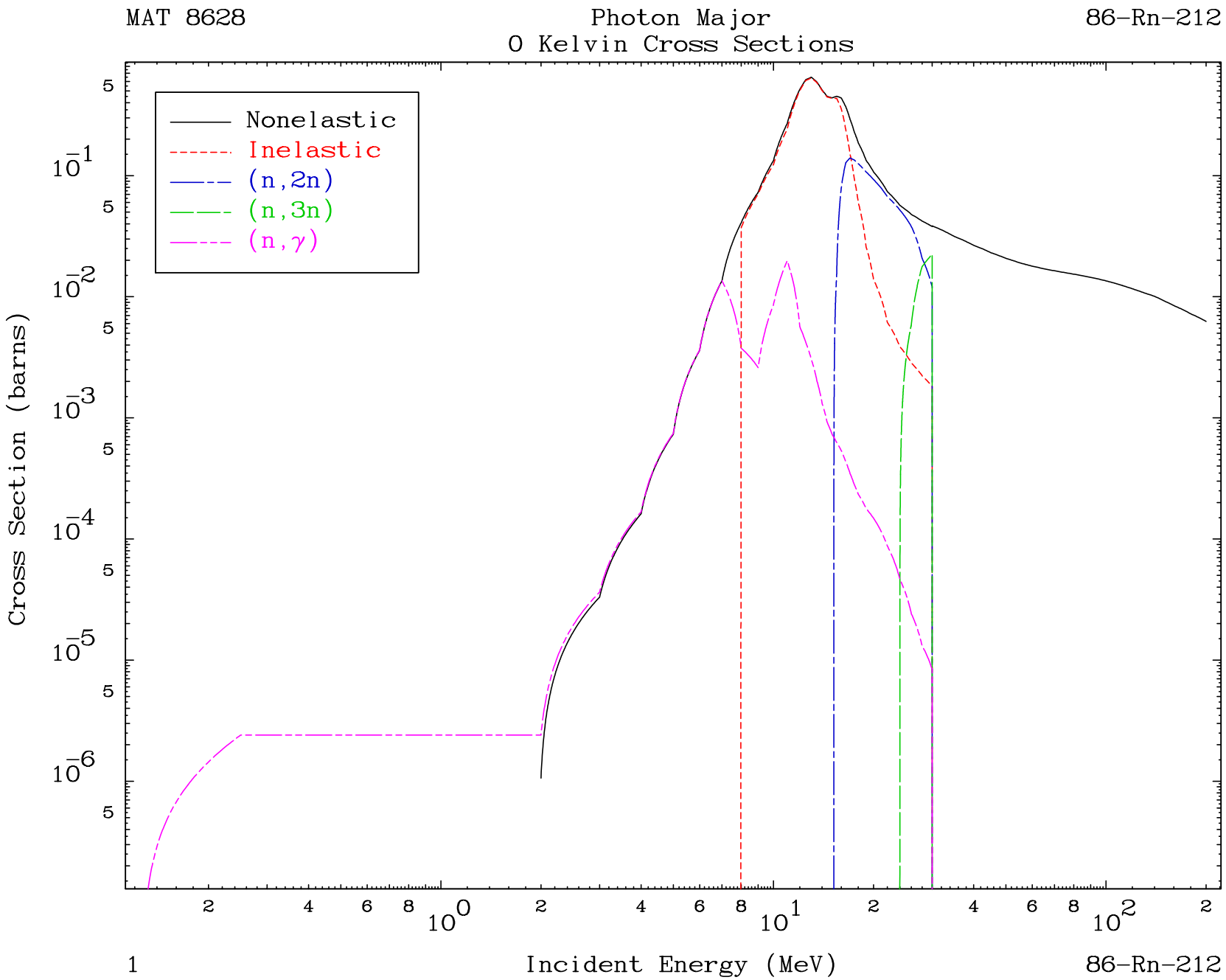
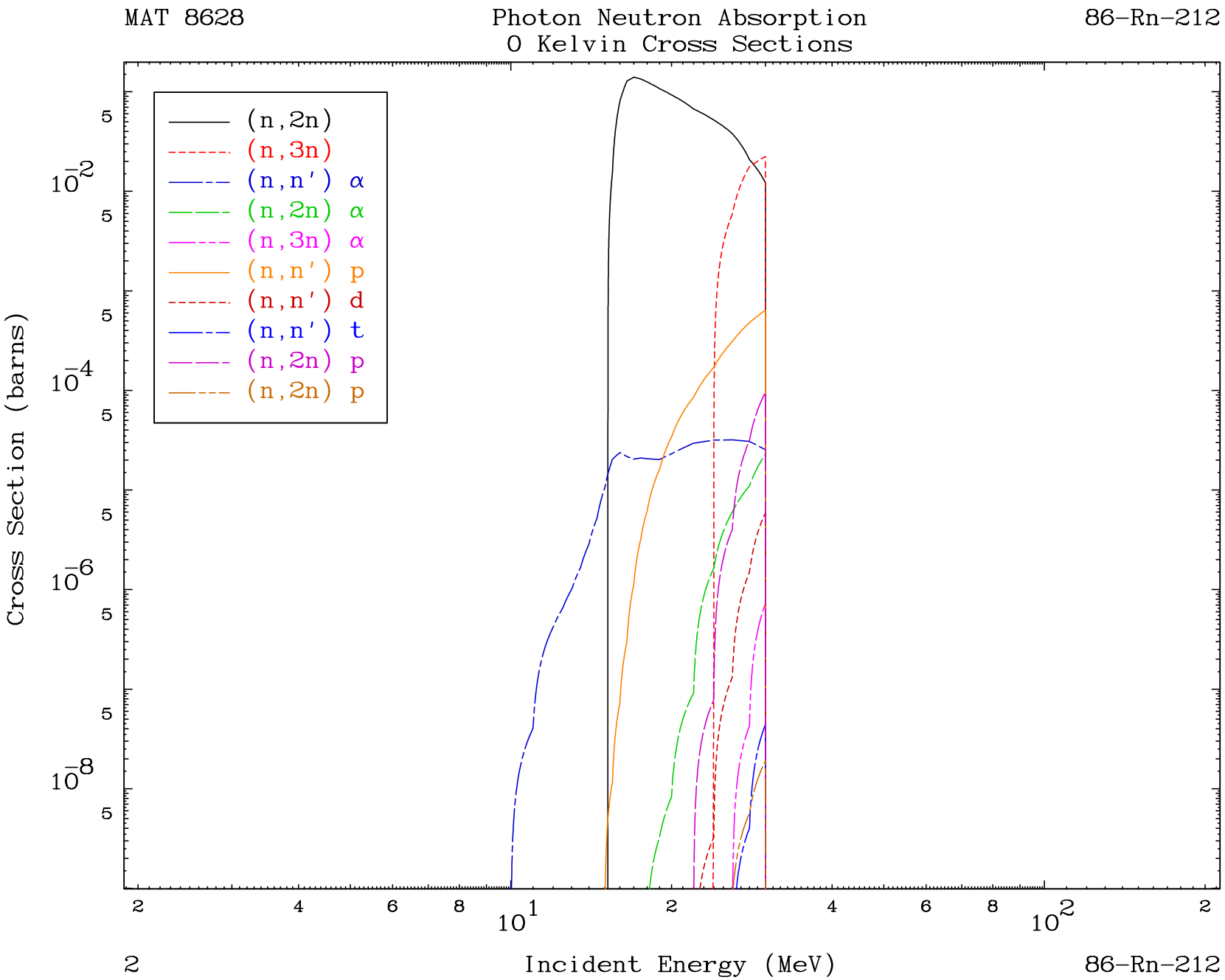
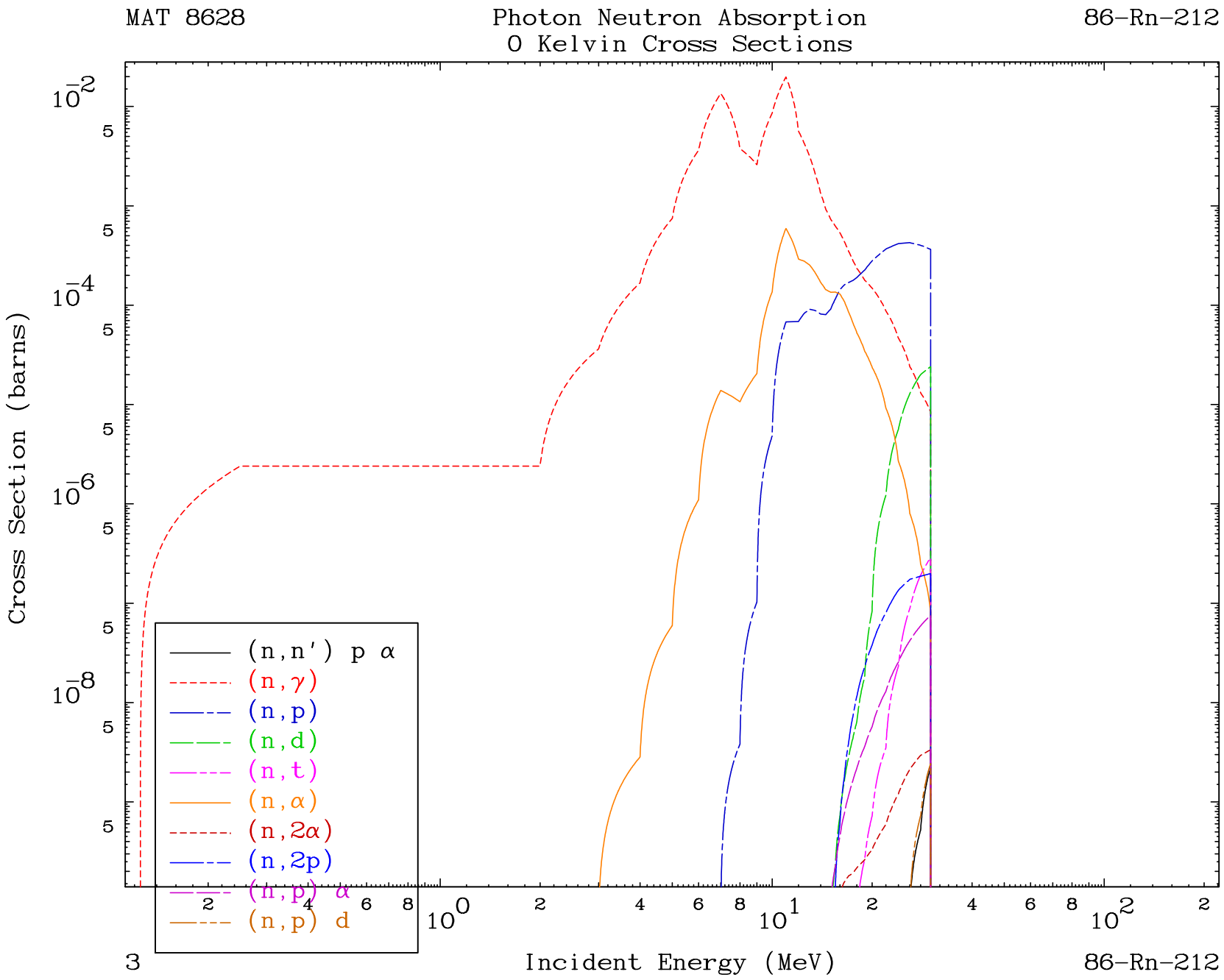
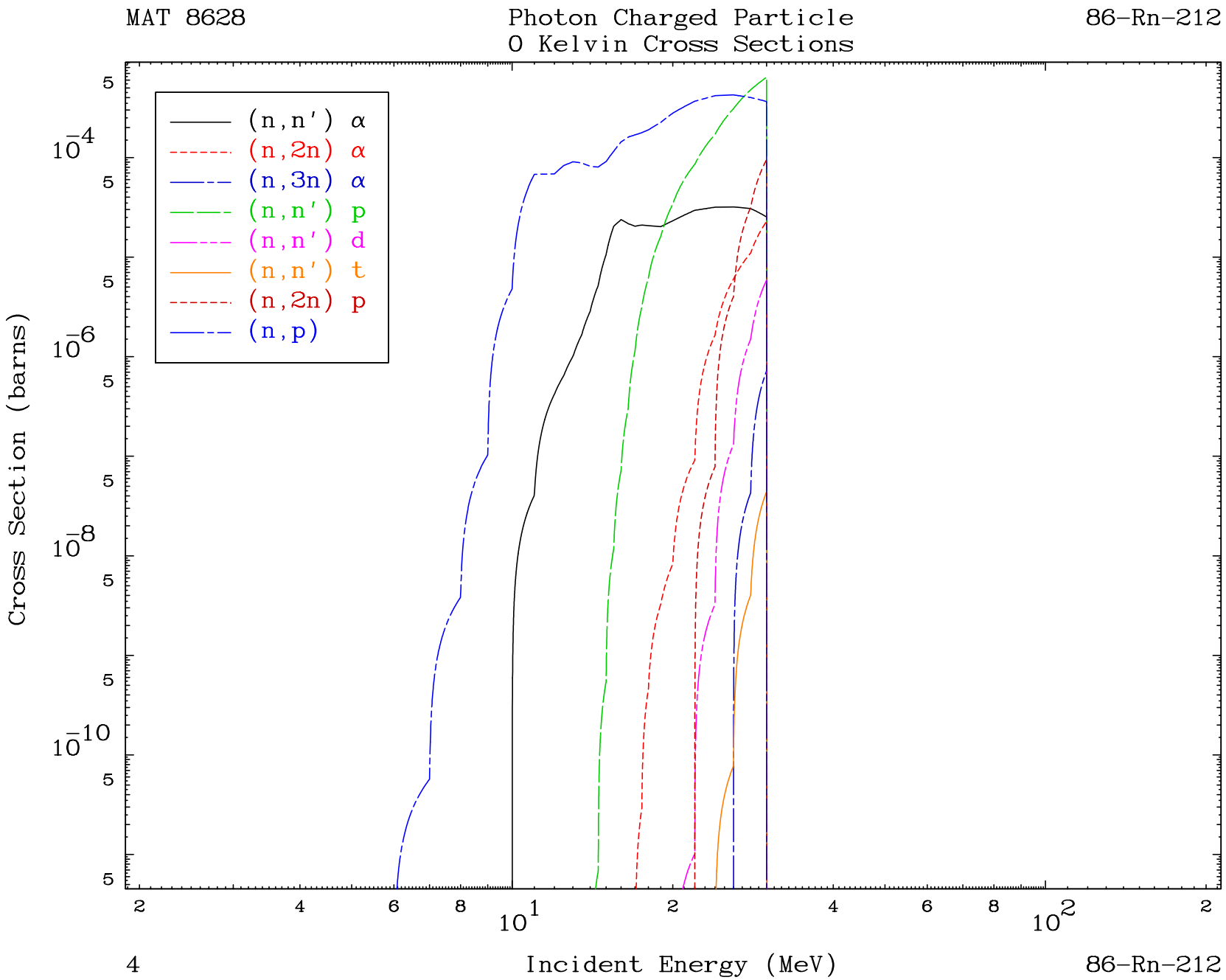
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

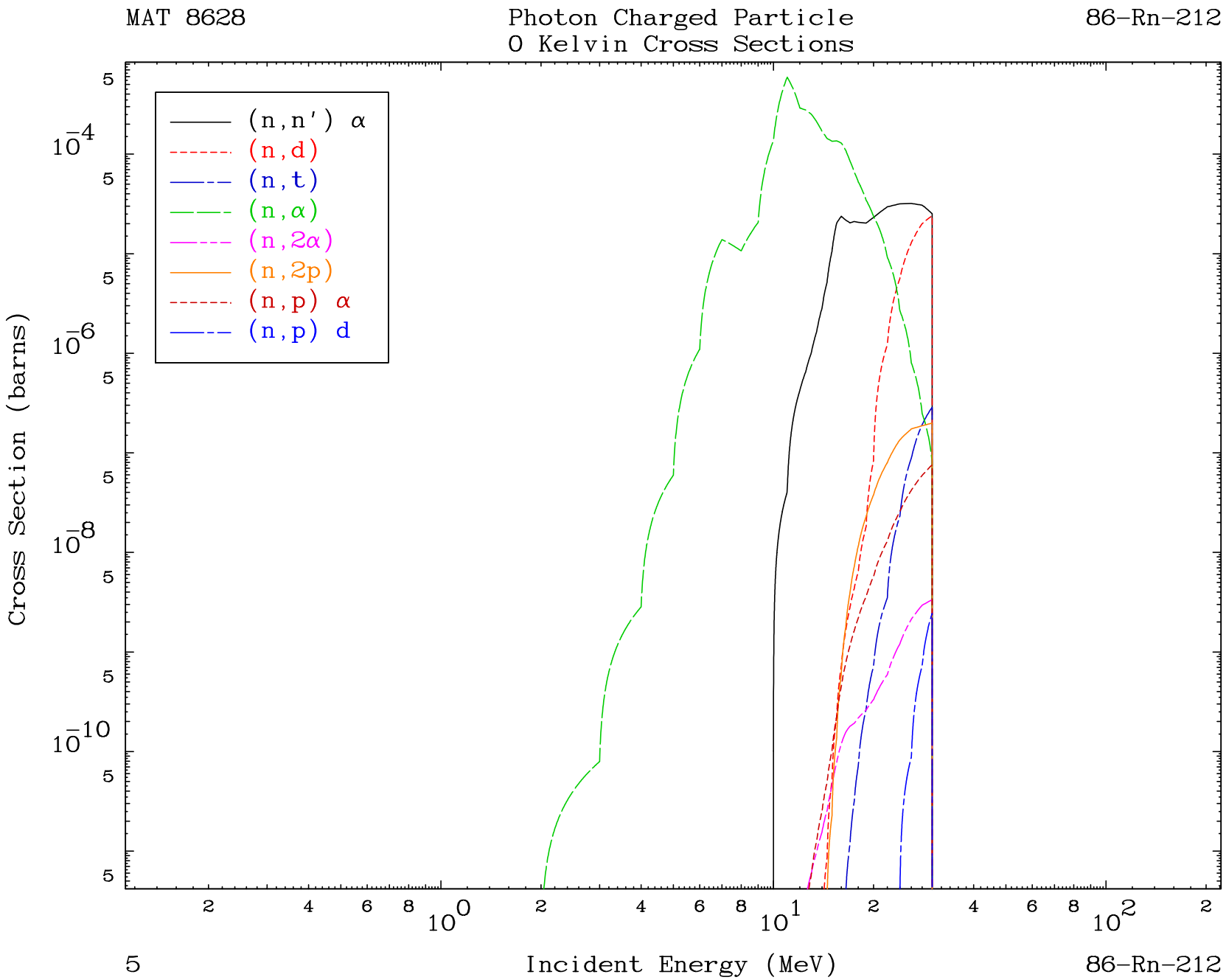
Press Mouse Button to Start

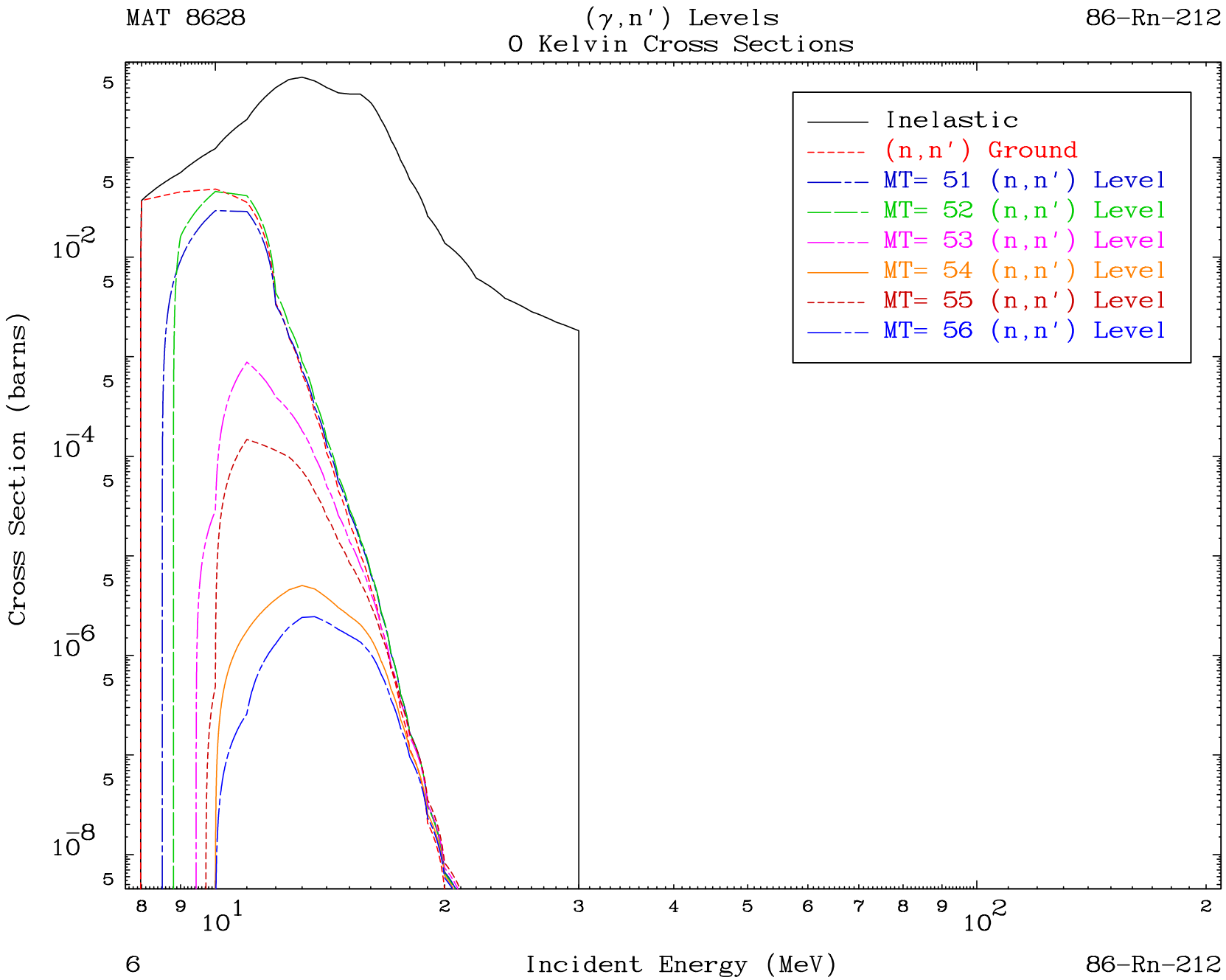

MAT 8628
Photon Major
86-Rn-212
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
86-Rn-212
1

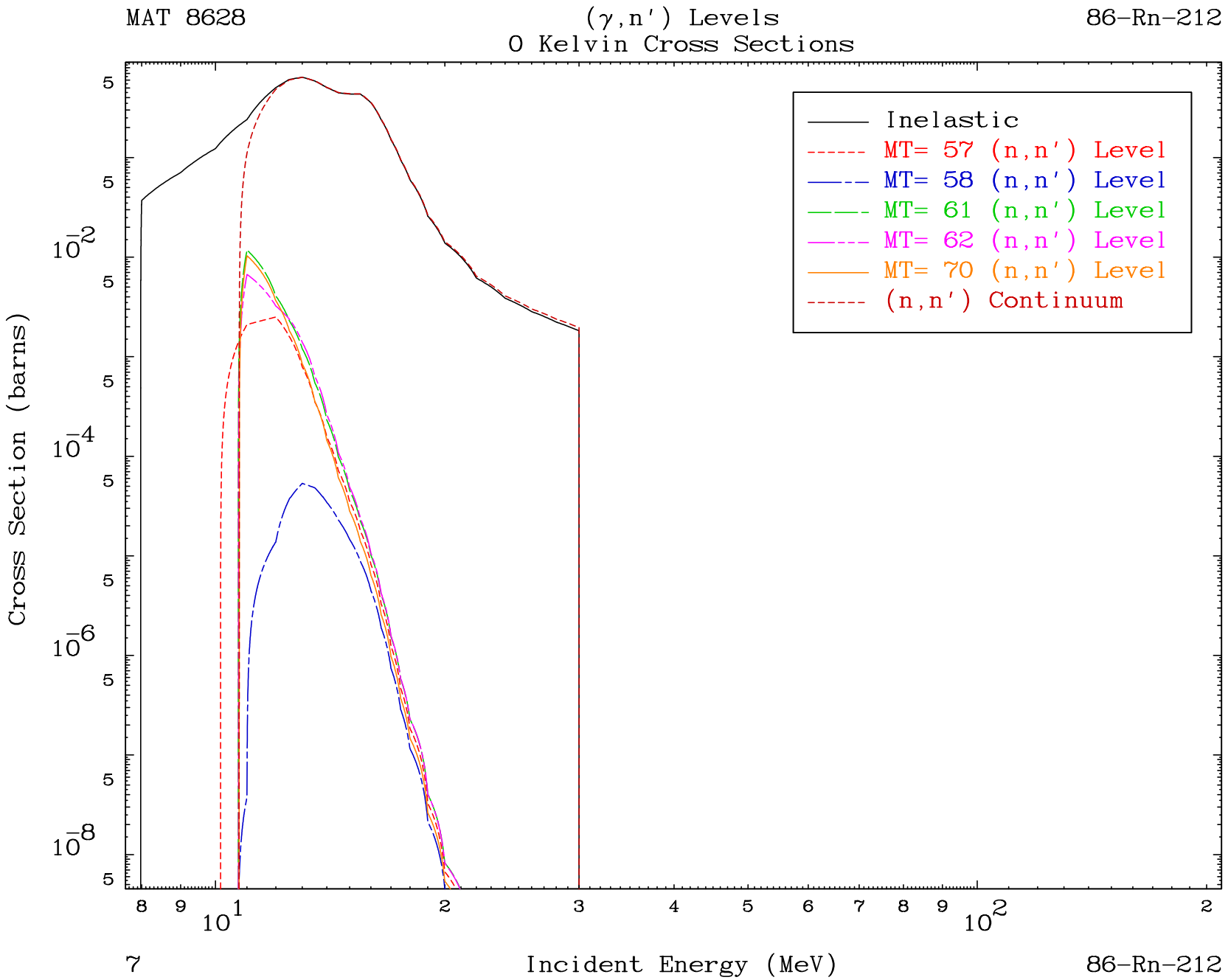

MAT 8628
Photon Neutron Absorption
0 Kelvin Cross Sections
86-Rn-212
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
86-Rn-212

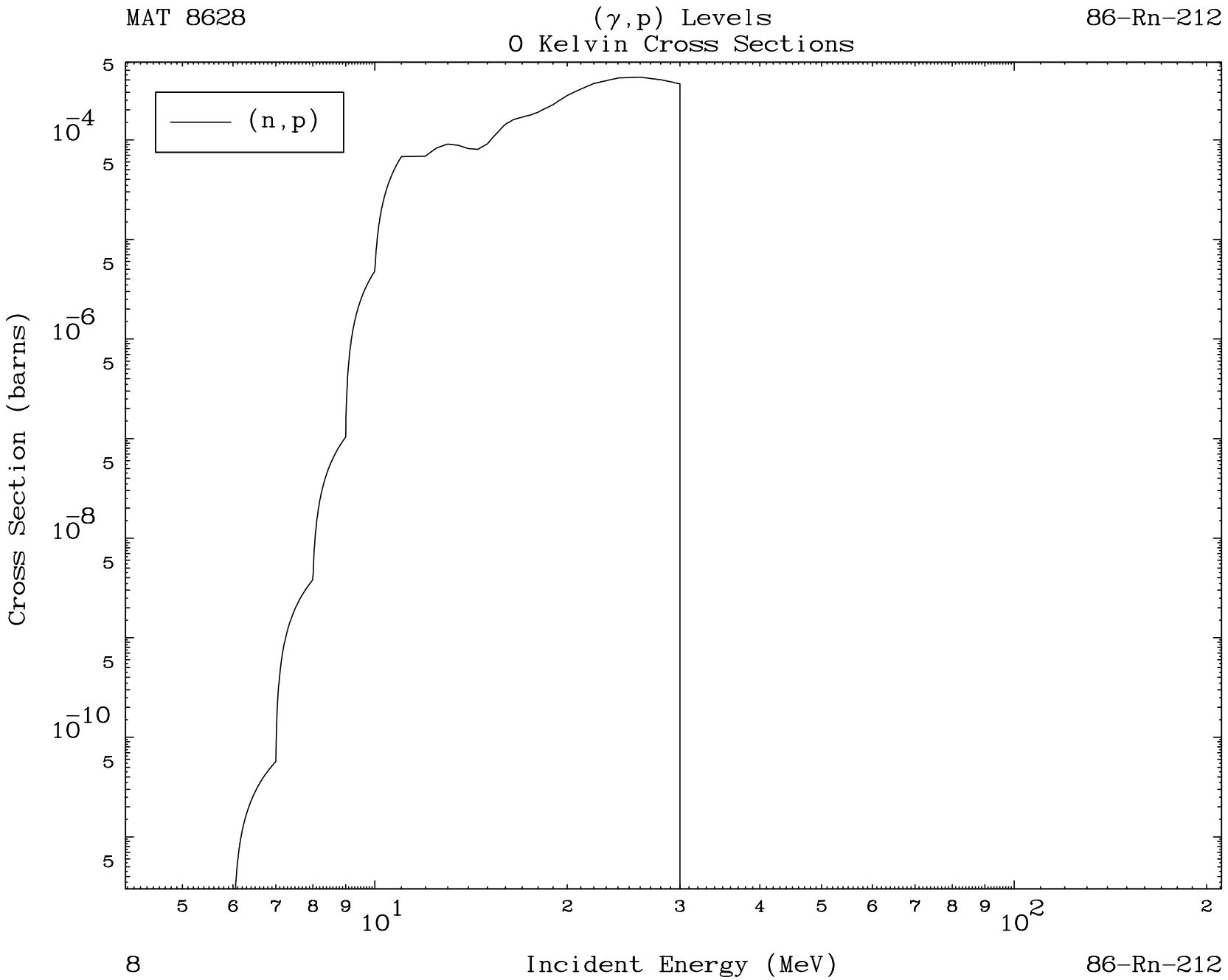

MAT 8628
Photon Neutron Absorption
0 Kelvin Cross Sections
86-Rn-212
Cross Section (barns)
Incident Energy (MeV)
86-Rn-212
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d

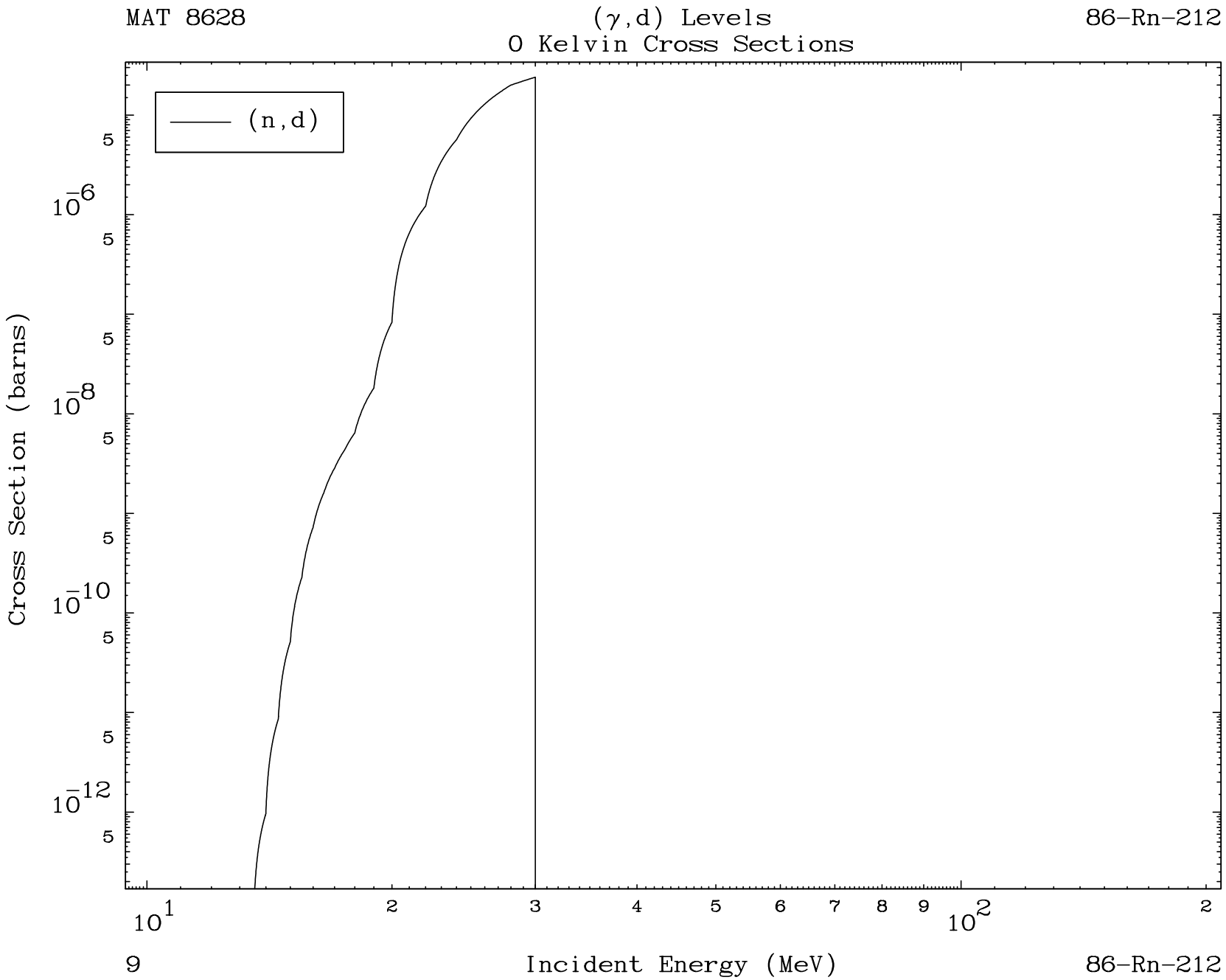

MAT 8628
Photon Charged Particle
0 Kelvin Cross Sections
86-Rn-212
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
86-Rn-212
4

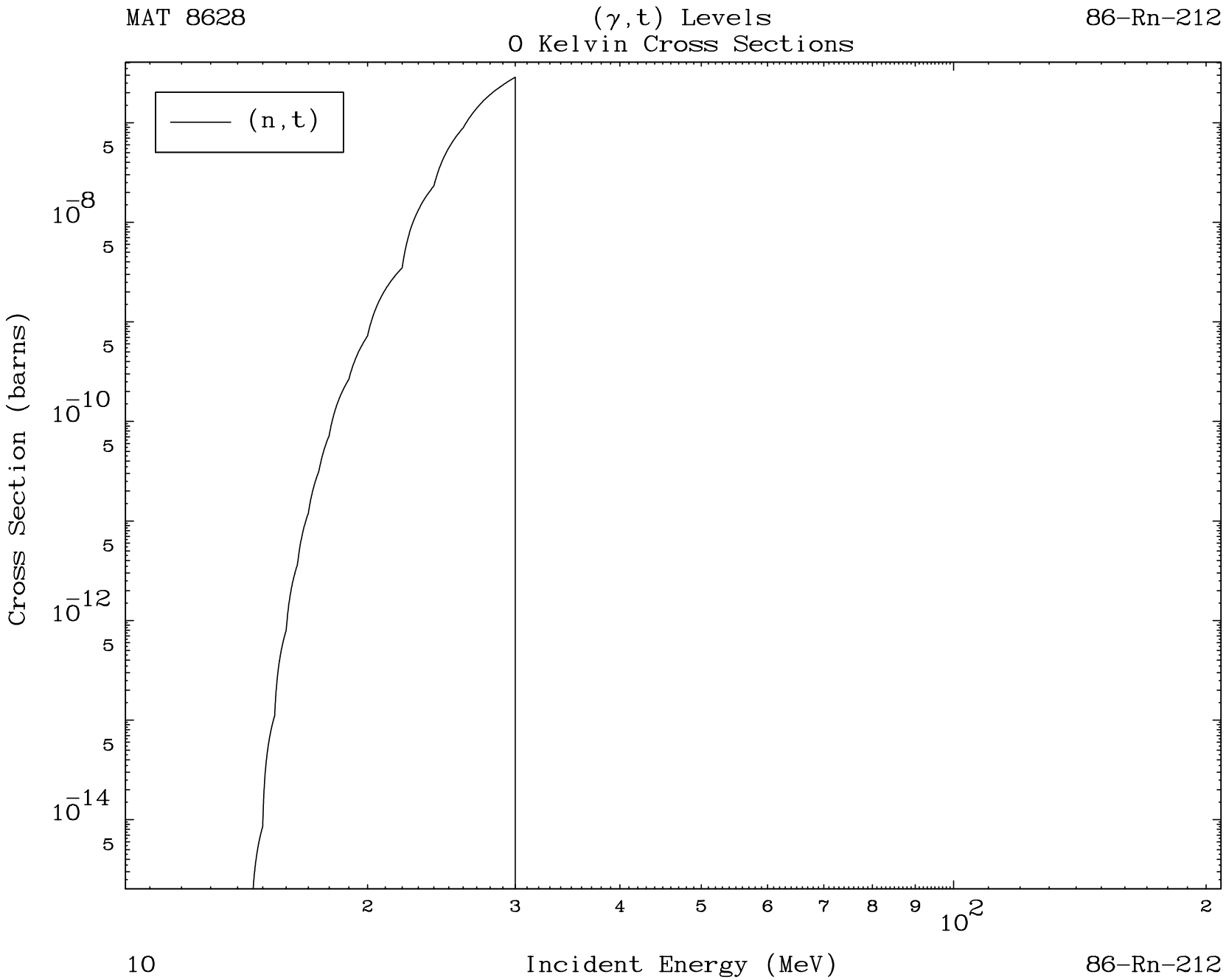

MAT 8628
Photon Charged Particle
0 Kelvin Cross Sections
86-Rn-212
(n,n') α
(n,d)
(n,t)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
86-Rn-212

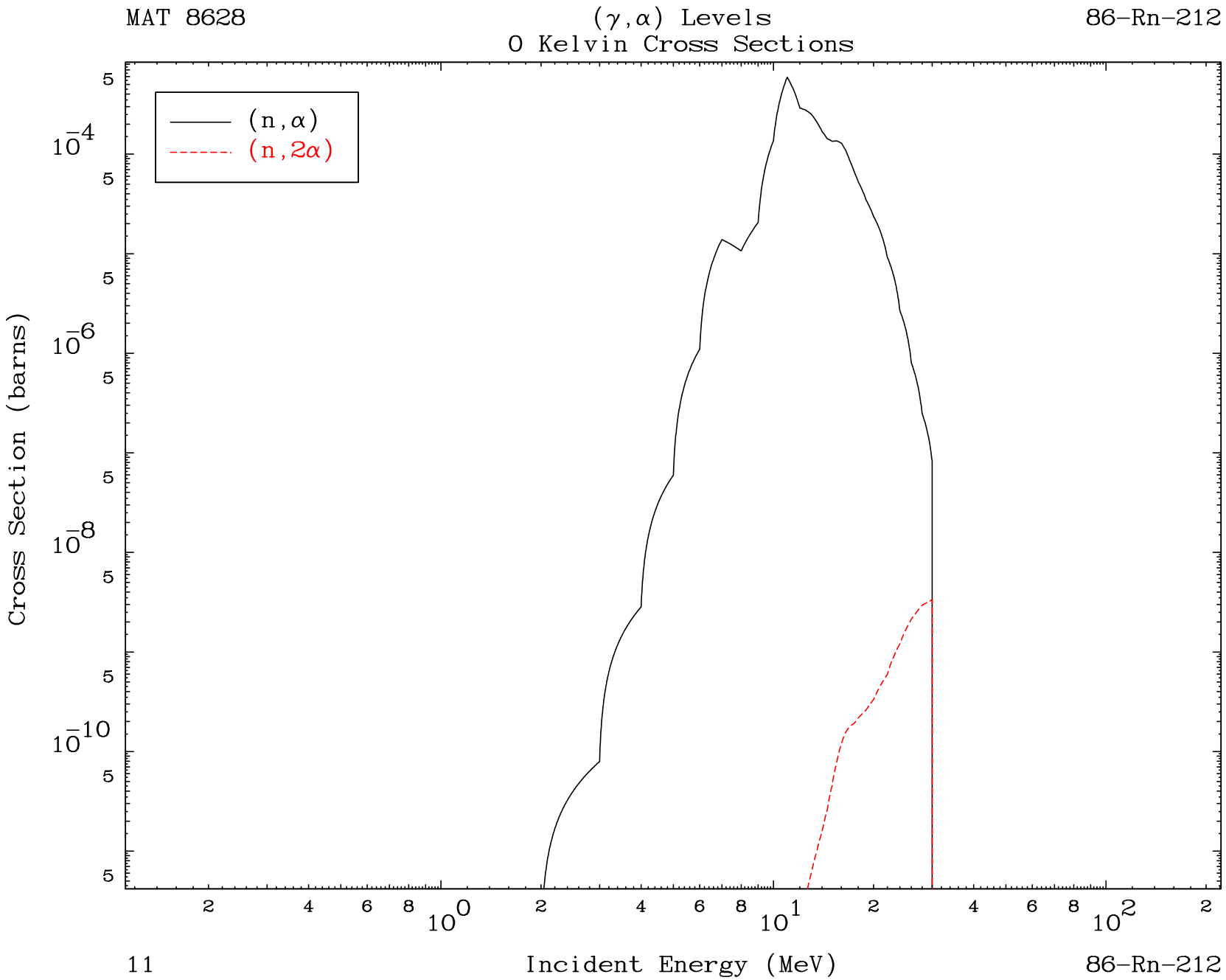

MAT 8628
(γ,n') Levels
0 Kelvin Cross Sections
86-Rn-212
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
6
86-Rn-212

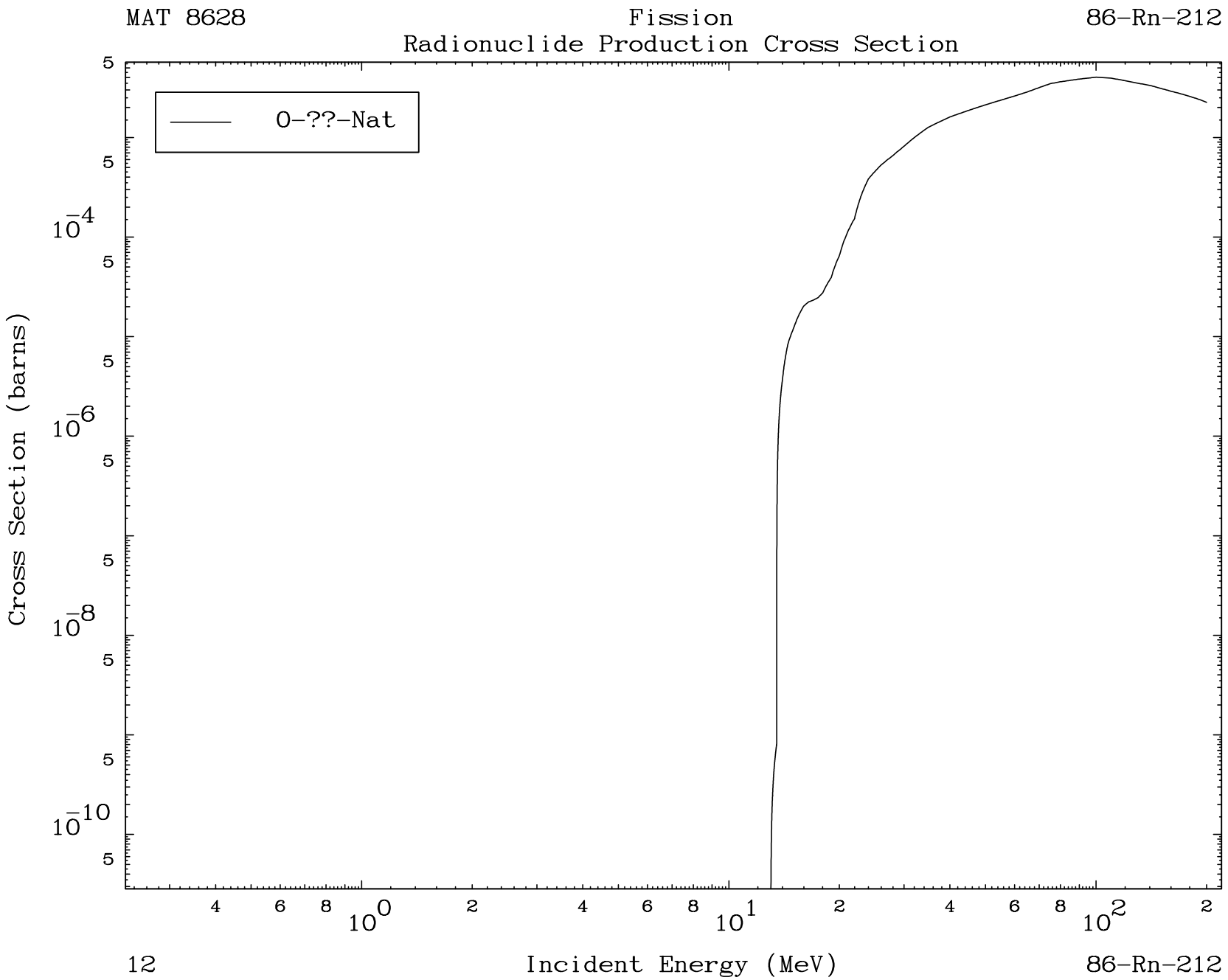

MAT 8628
(γ,n') Levels
0 Kelvin Cross Sections
86-Rn-212
Inelastic
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 70 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
86-Rn-212
7

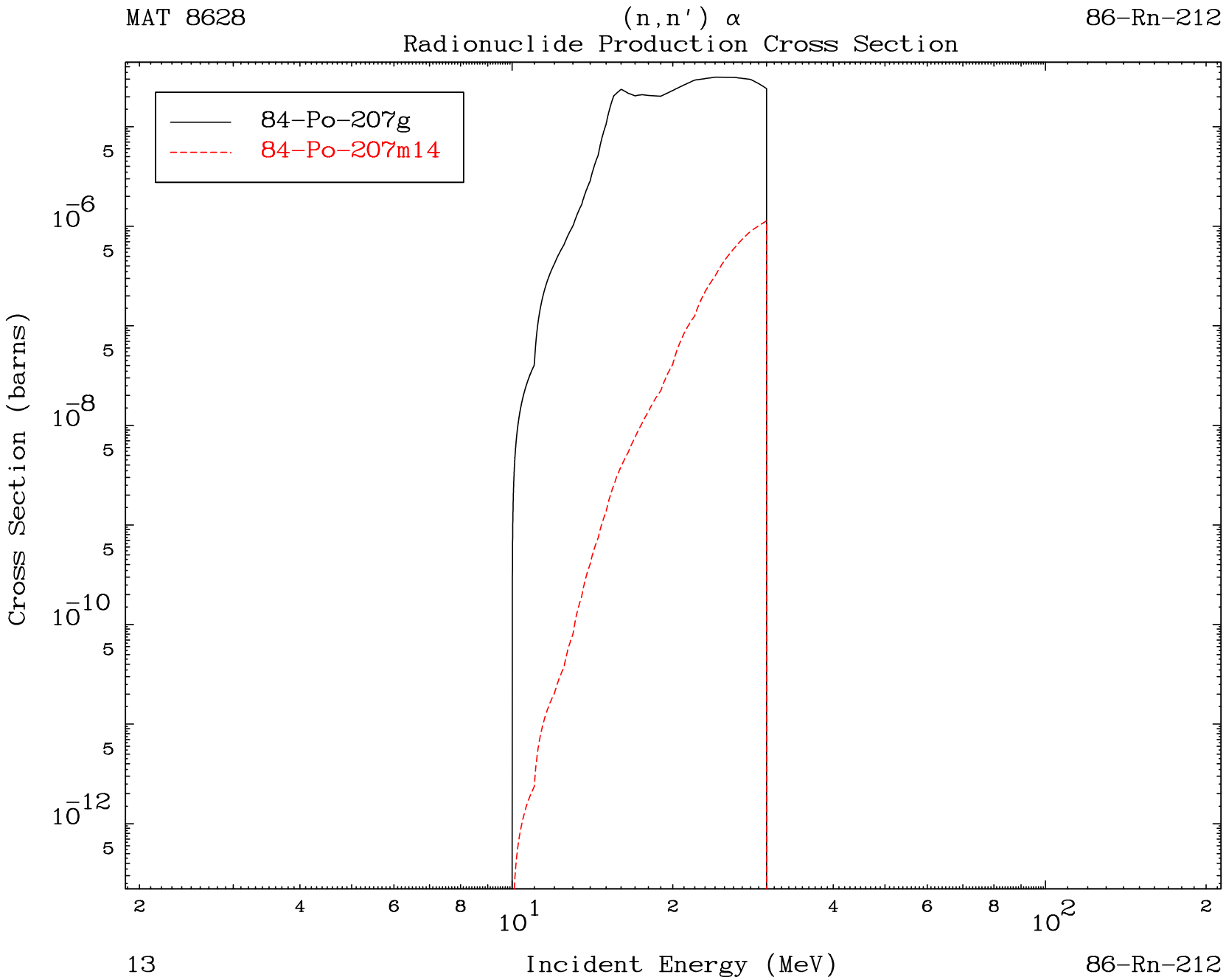

MAT 8628
(γ,p) Levels
0 Kelvin Cross Sections
86-Rn-212
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
86-Rn-212

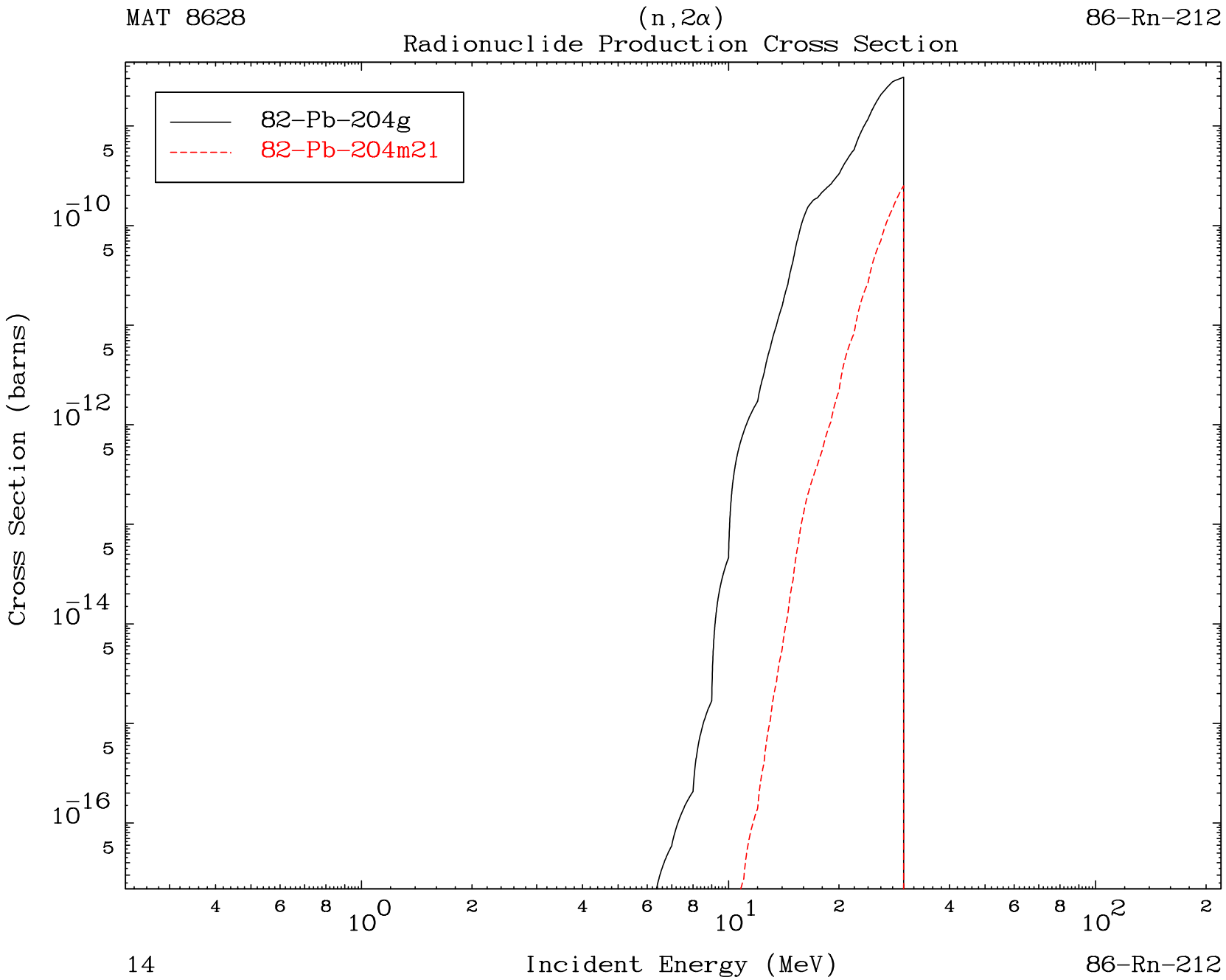

MAT 8628
(γ,d) Levels
86-Rn-212
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
86-Rn-212


MAT 8628
(γ,t) Levels
86-Rn-212
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)
86-Rn-212


MAT 8628
(γ,α) Levels
86-Rn-212
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
4
6
8
100
101
102
11
Incident Energy (MeV)
86-Rn-212


MAT 8628
Fission
86-Rn-212
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
86-Rn-212


MAT 8628
(n,n') α
86-Rn-212
Radionuclide Production Cross Section
84-Po-207g
84-Po-207m14
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
4
6
8
10^1
10^2
13
Incident Energy (MeV)
86-Rn-212


MAT 8628
(n,2α)
86-Rn-212
Radionuclide Production Cross Section
82-Pb-204g
82-Pb-204m21
Cross Section (barns)
Incident Energy (MeV)
14
86-Rn-212