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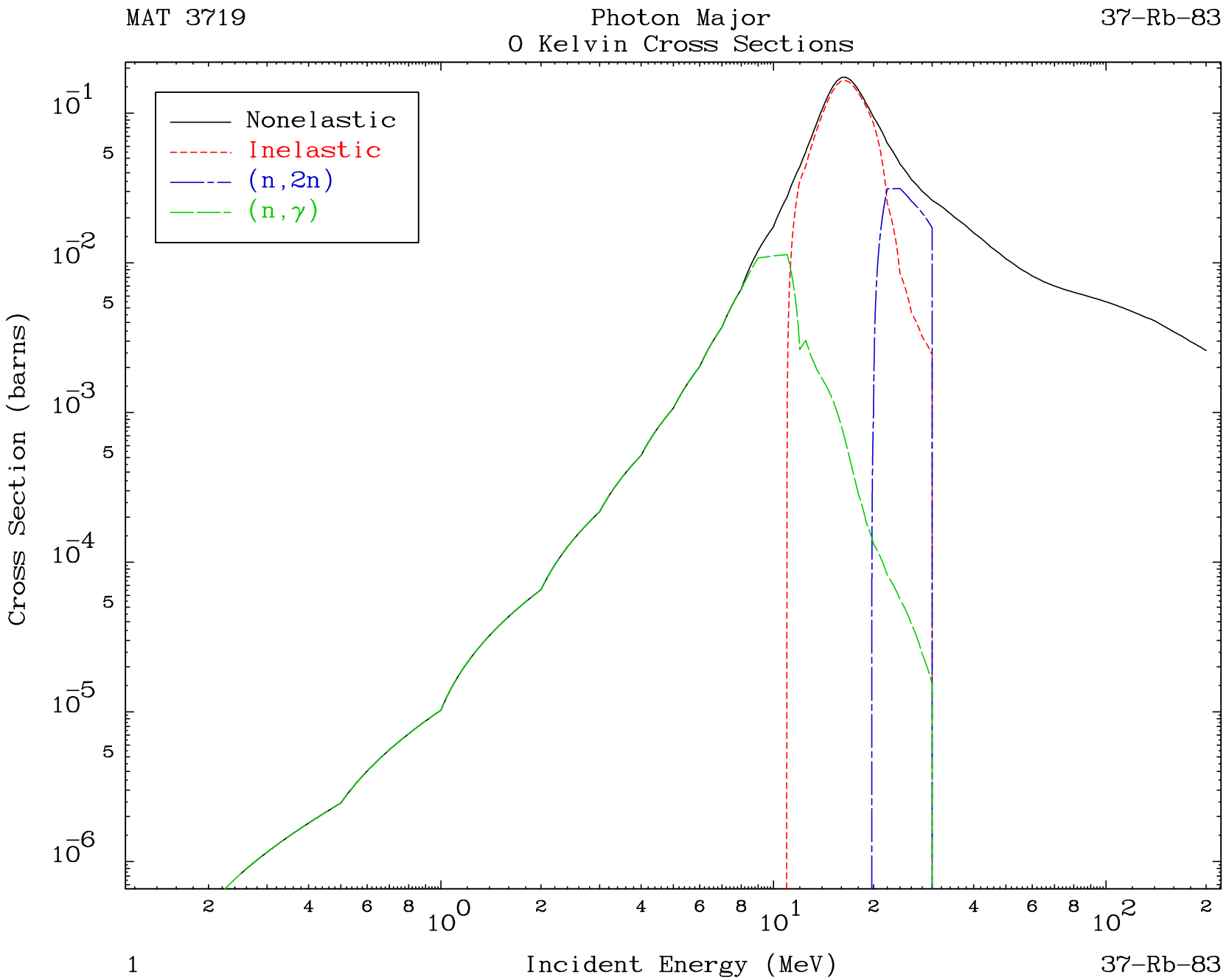
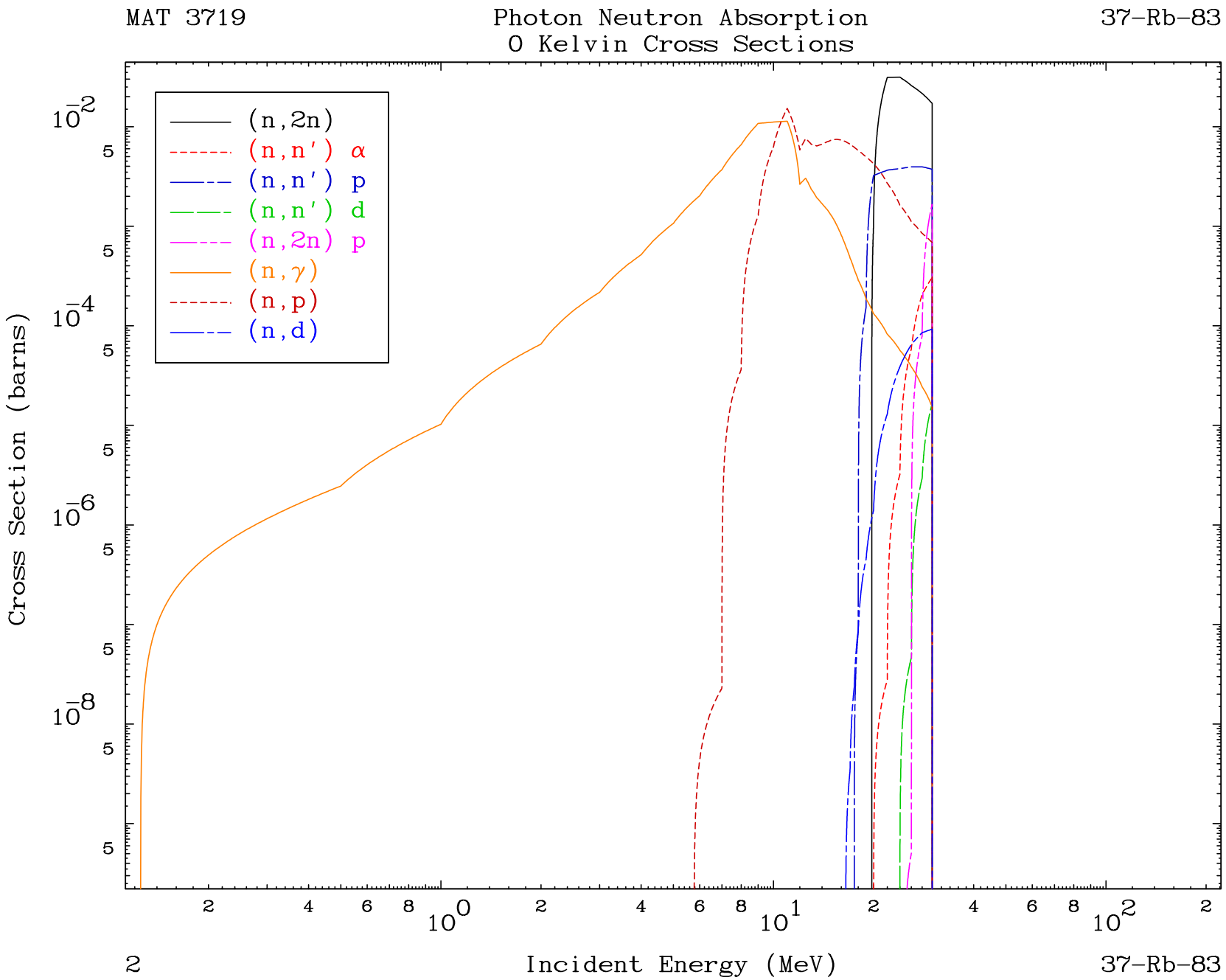
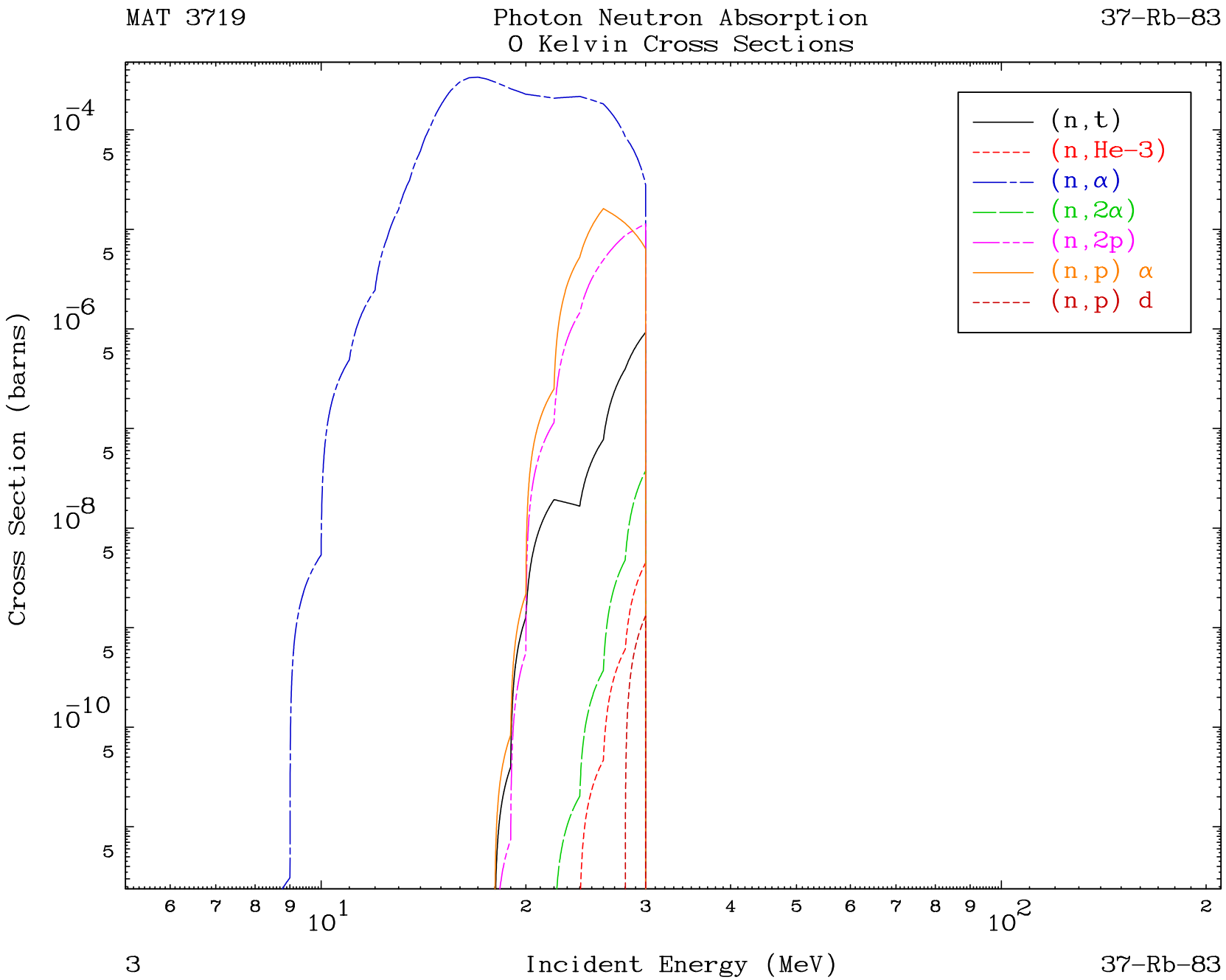
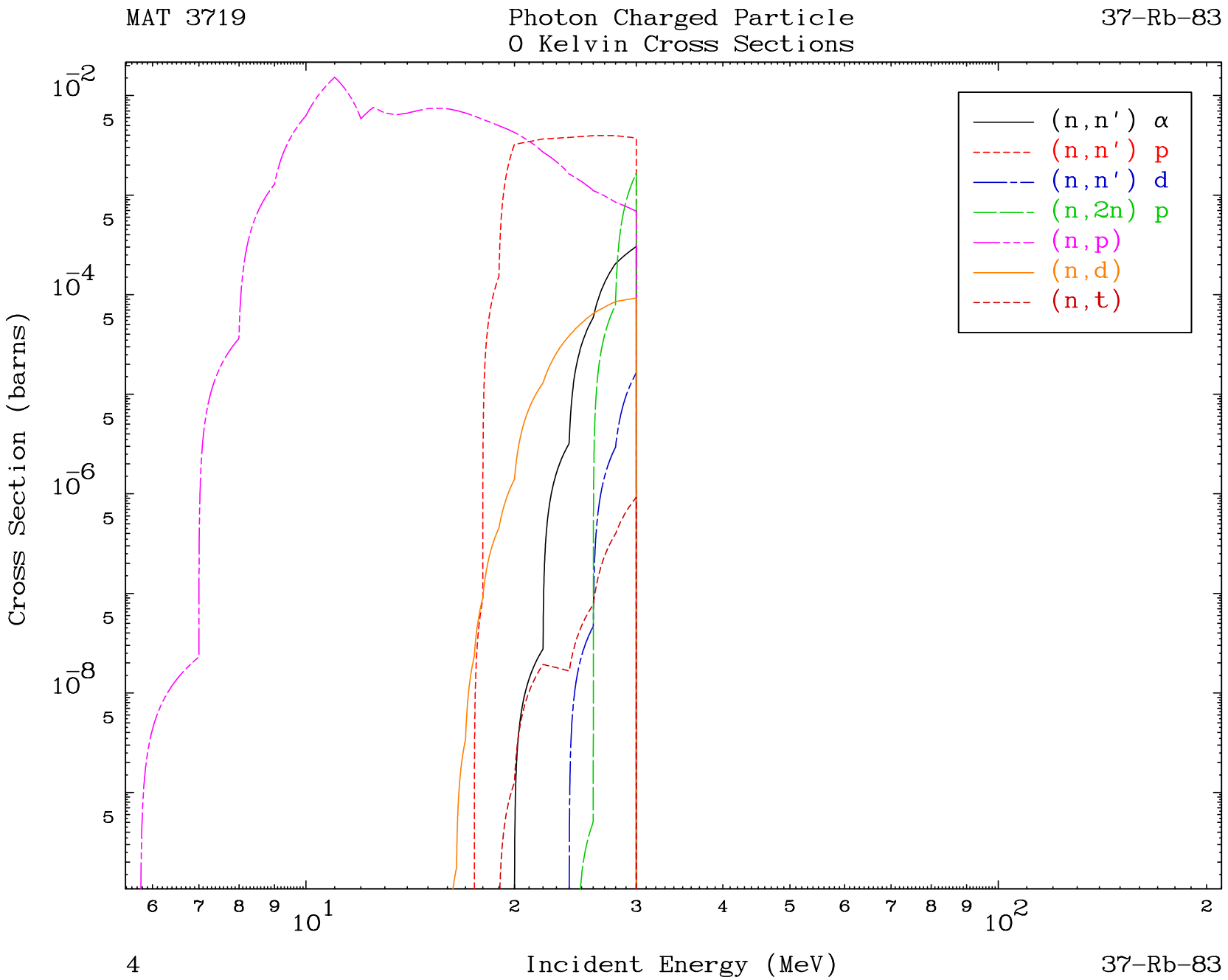
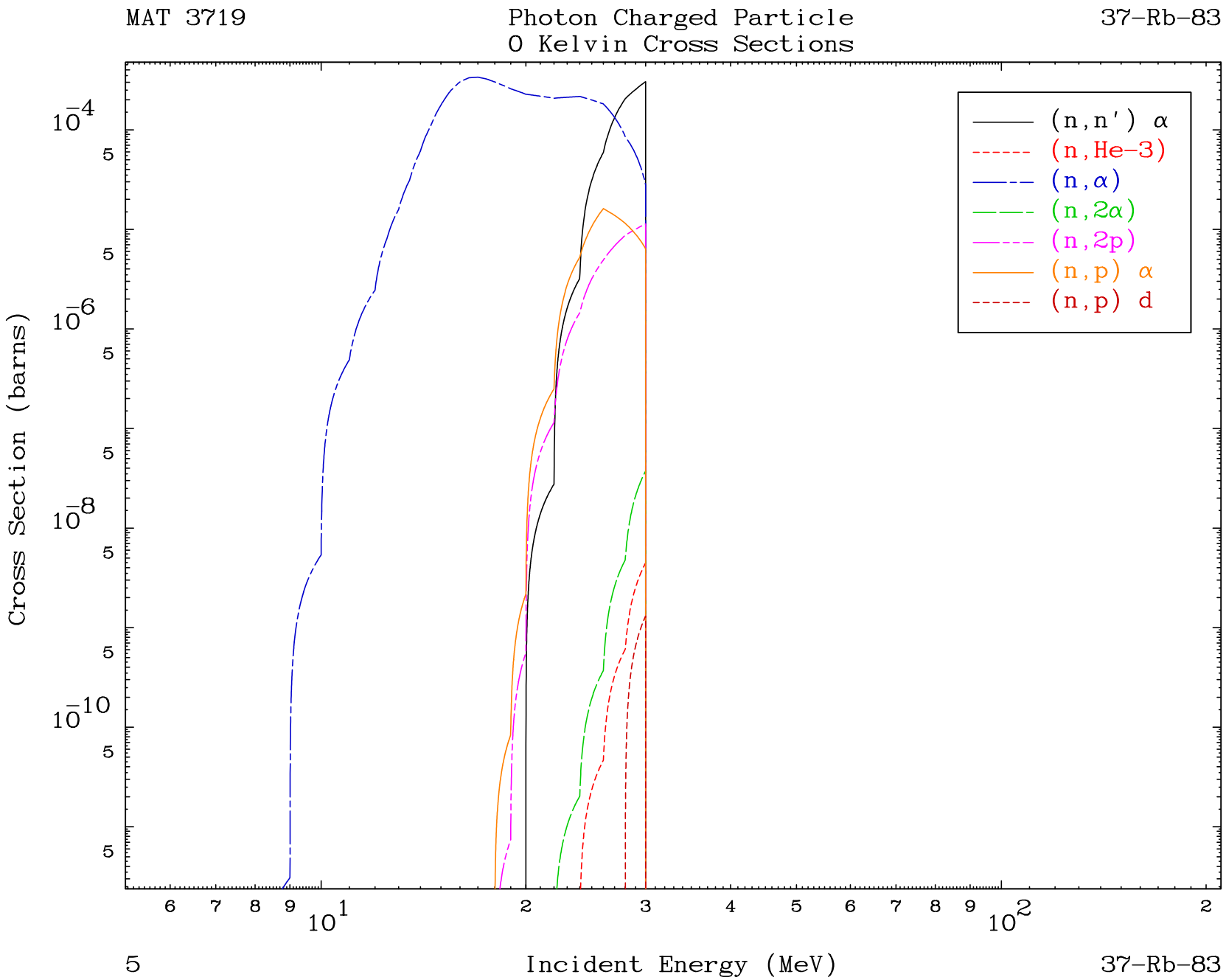
Press Mouse Button to Start

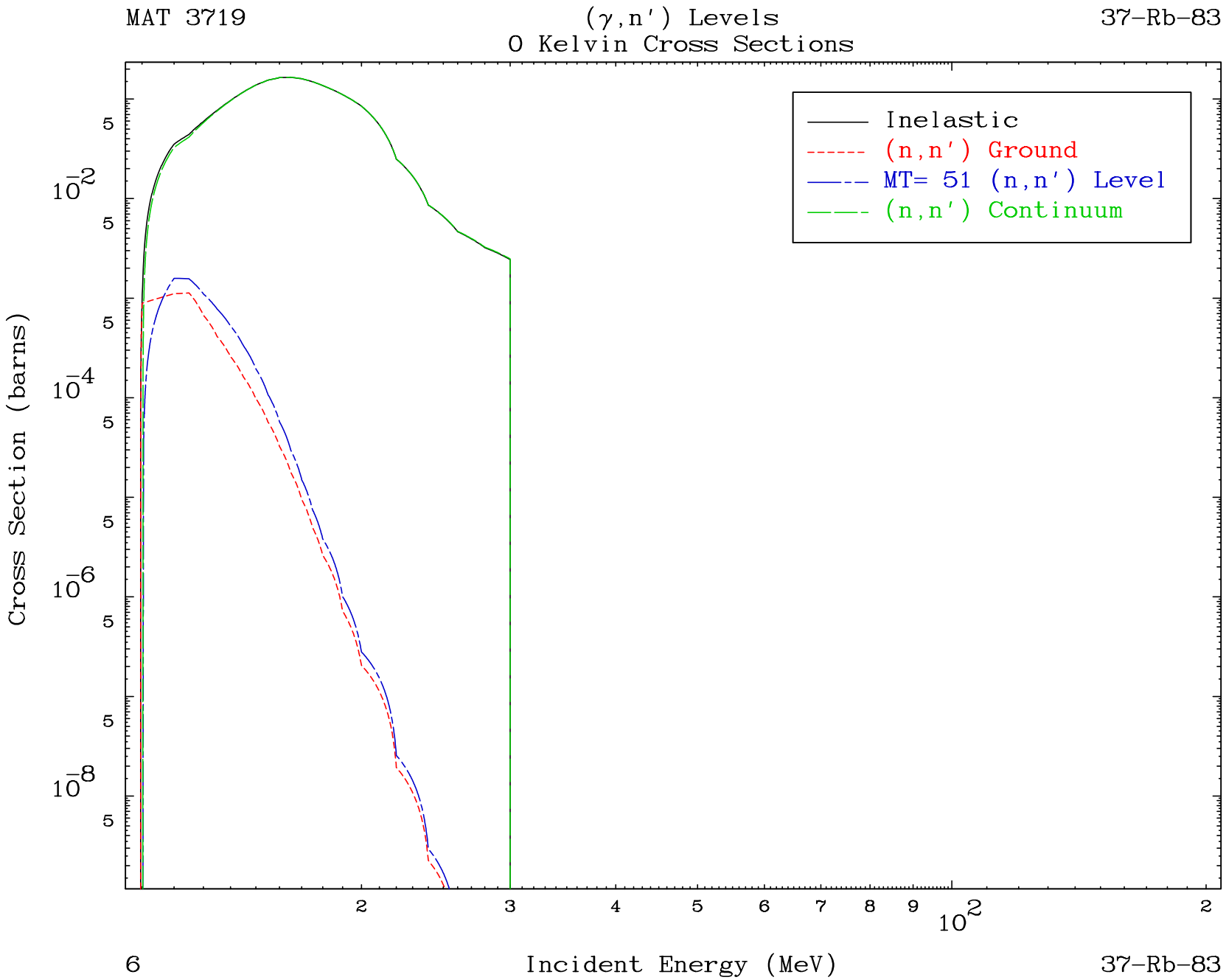

MAT 3719
Photon Major
37-Rb-83
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-83
1

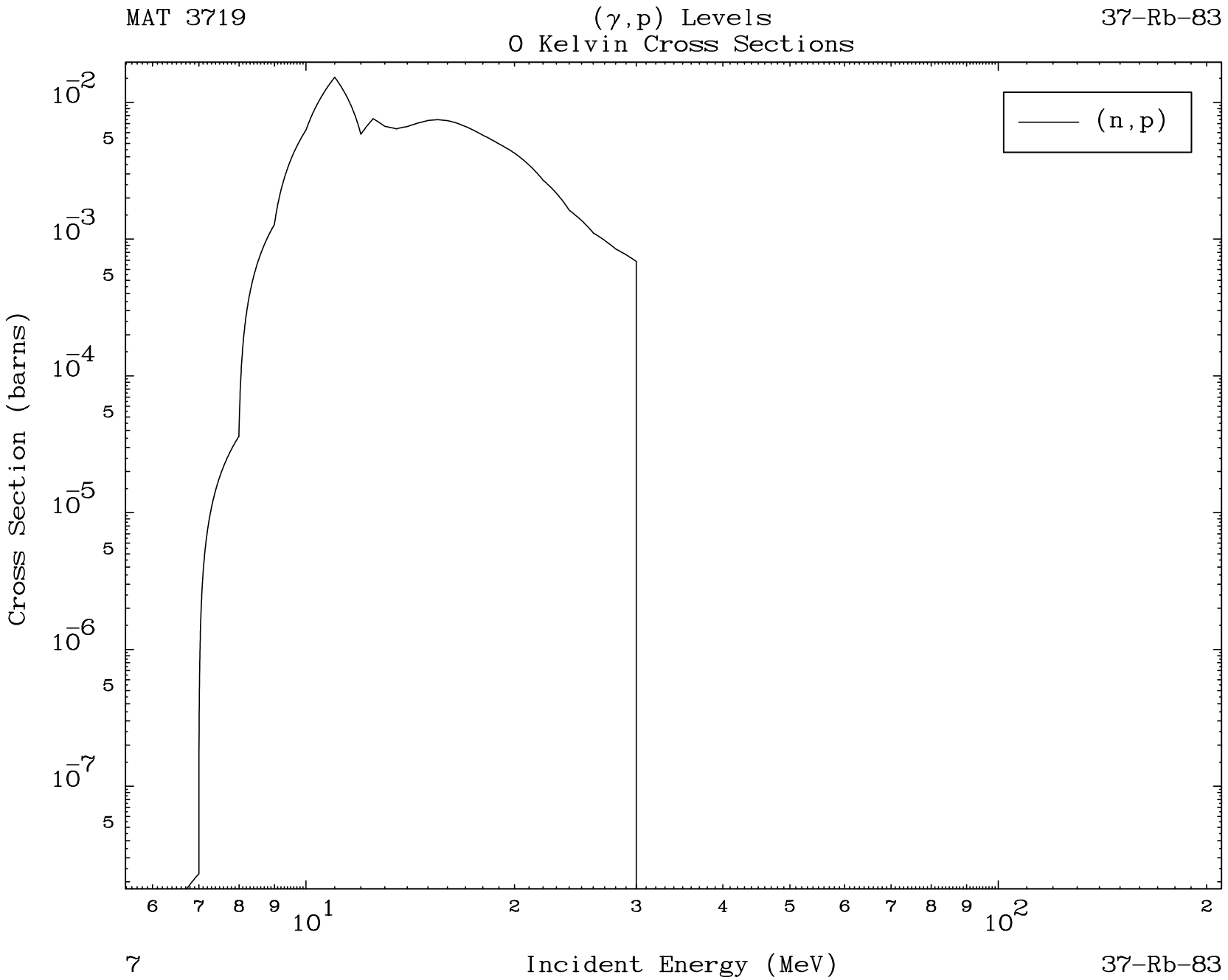

MAT 3719
Photon Neutron Absorption
0 Kelvin Cross Sections
37-Rb-83
(n,2n)
(n,n') α
(n,n') p
(n,n') d
(n,2n) p
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
37-Rb-83
2

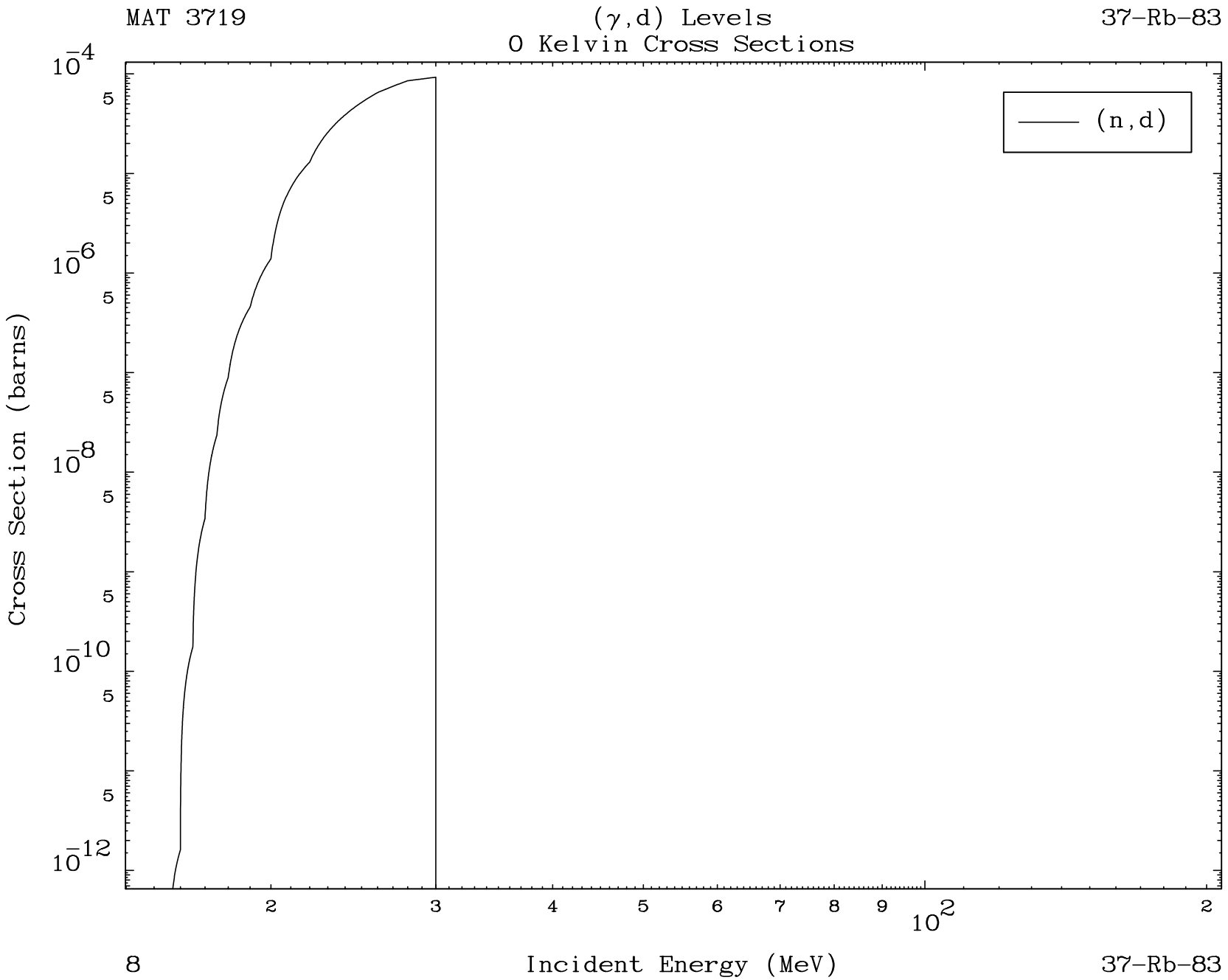

MAT 3719
Photon Neutron Absorption
0 Kelvin Cross Sections
37-Rb-83
Cross Section (barns)
10-4
10-6
10-8
10-10
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2
Incident Energy (MeV)
3
37-Rb-83

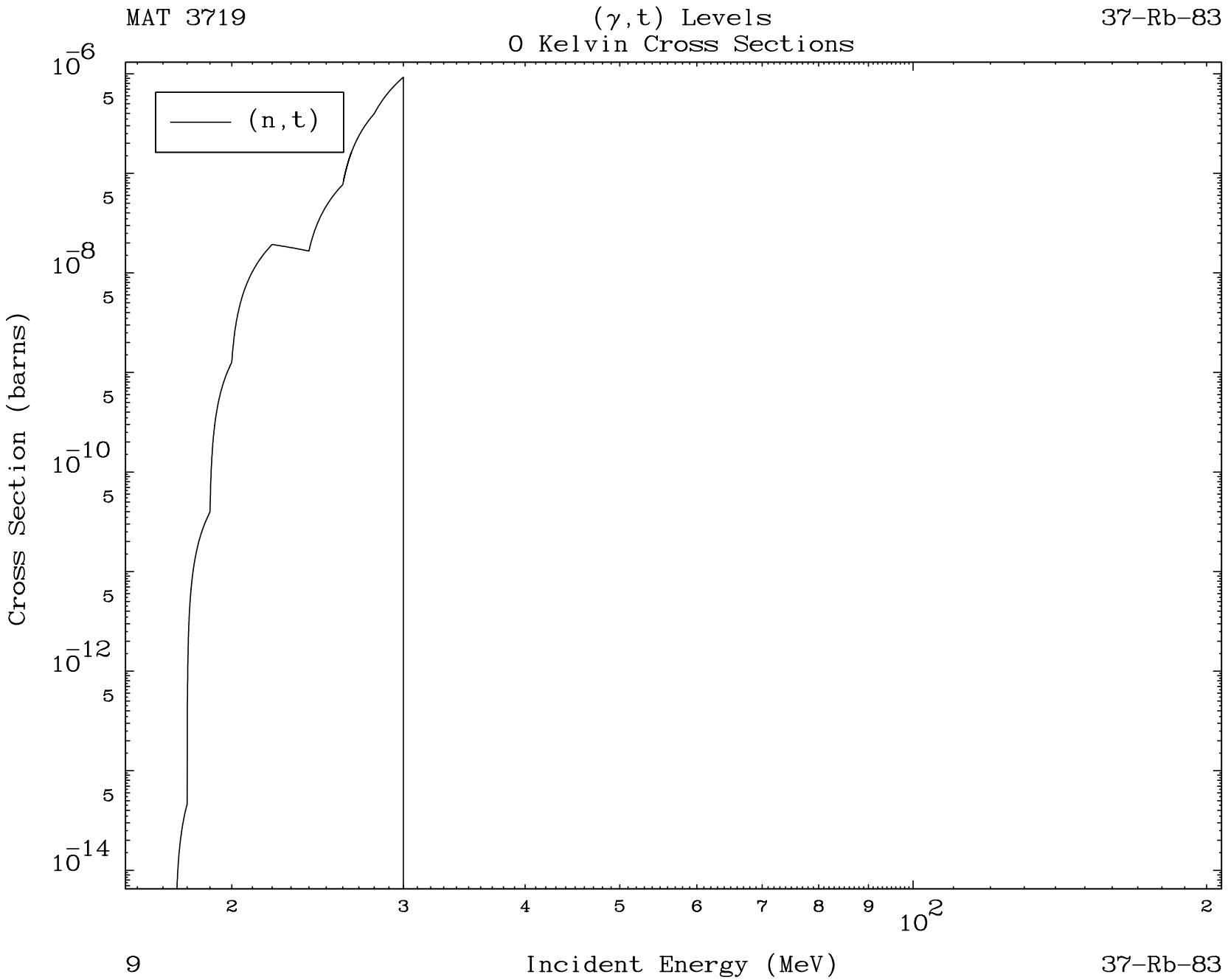

MAT 3719
Photon Charged Particle
0 Kelvin Cross Sections
37-Rb-83
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,n') p
(n,n') d
(n,2n) p
(n,p)
(n,d)
(n,t)
4
37-Rb-83

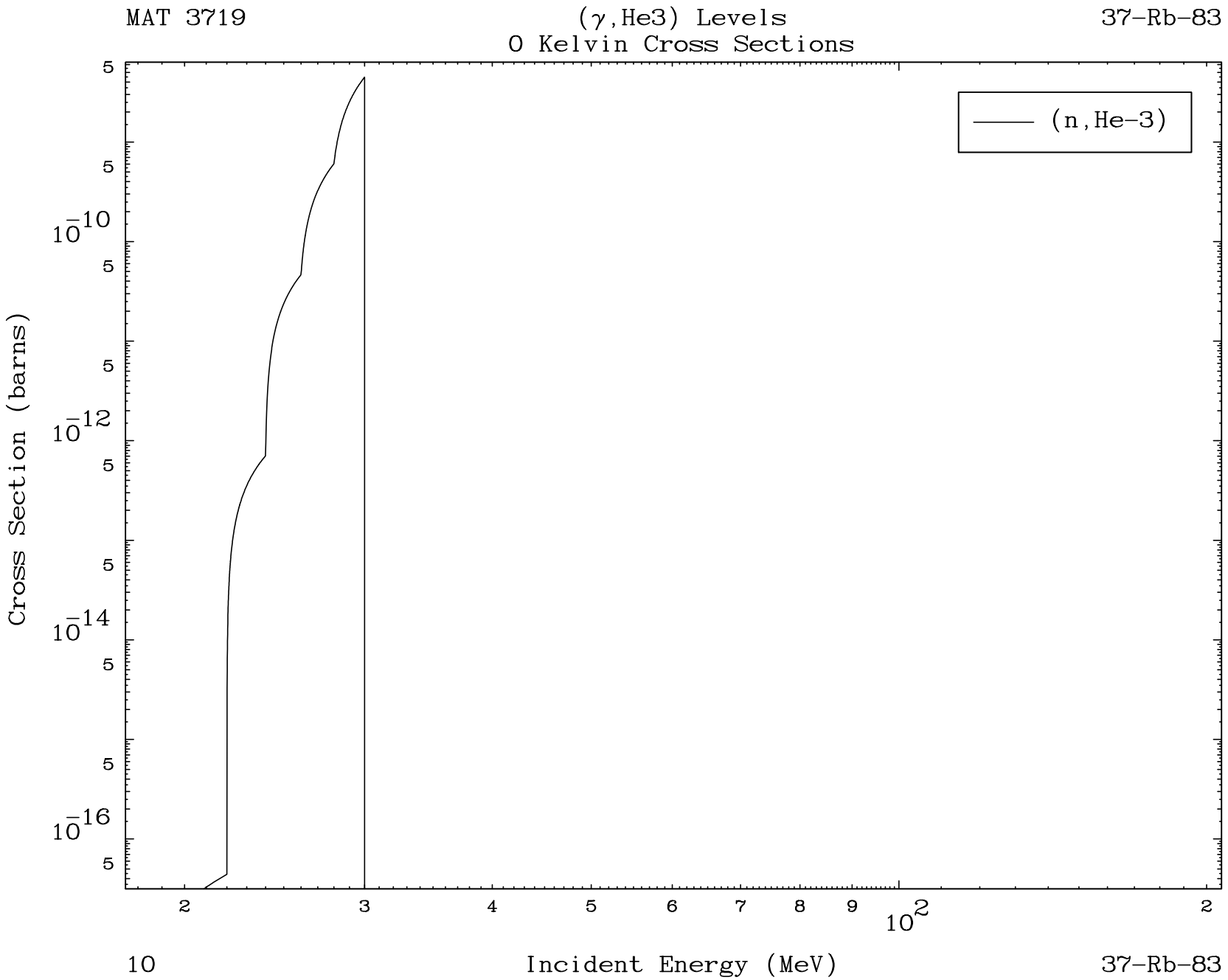

MAT 3719
Photon Charged Particle
0 Kelvin Cross Sections
37-Rb-83
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
37-Rb-83

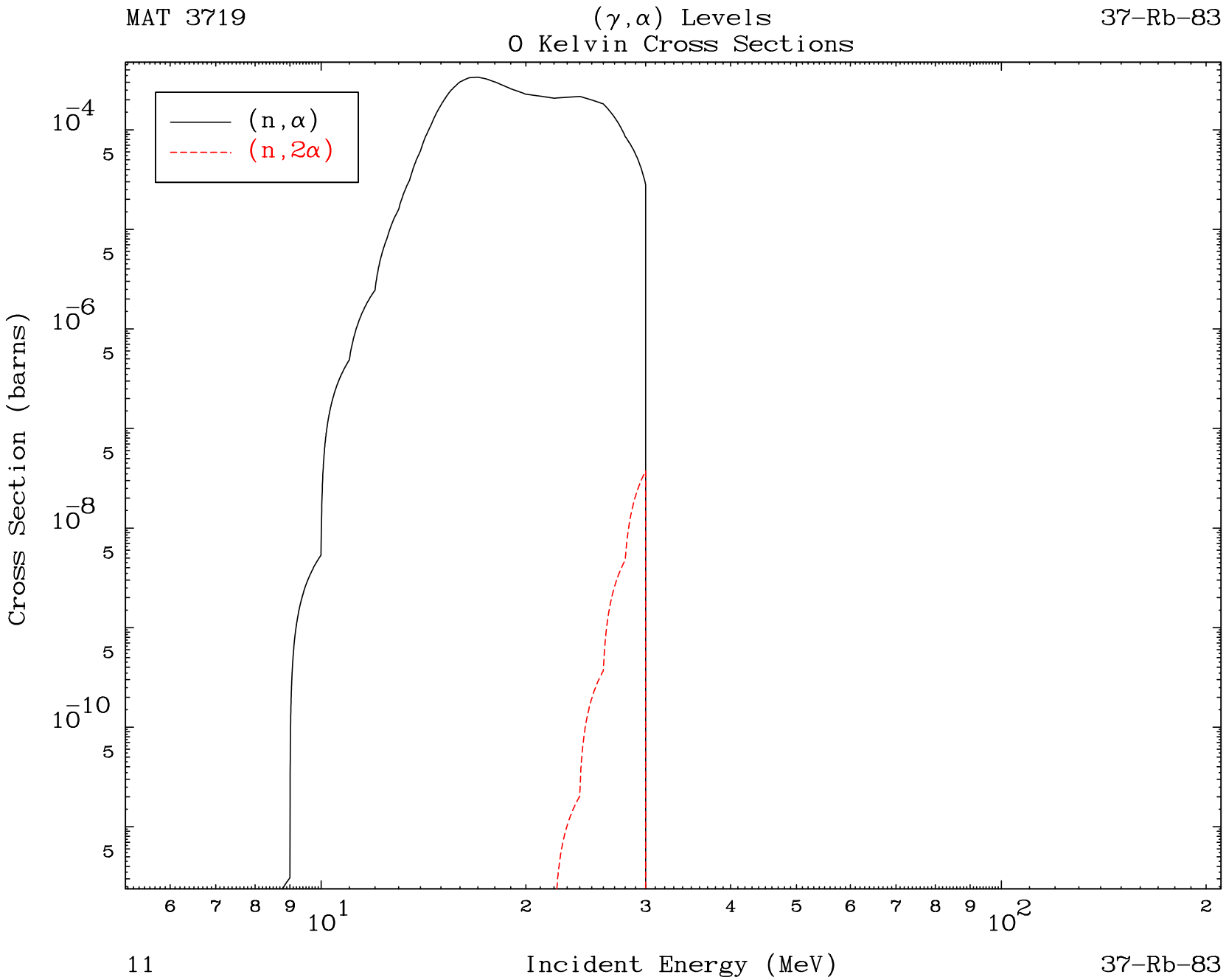

MAT 3719
(γ,n') Levels
37-Rb-83
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10+2
2
6
Incident Energy (MeV)
37-Rb-83

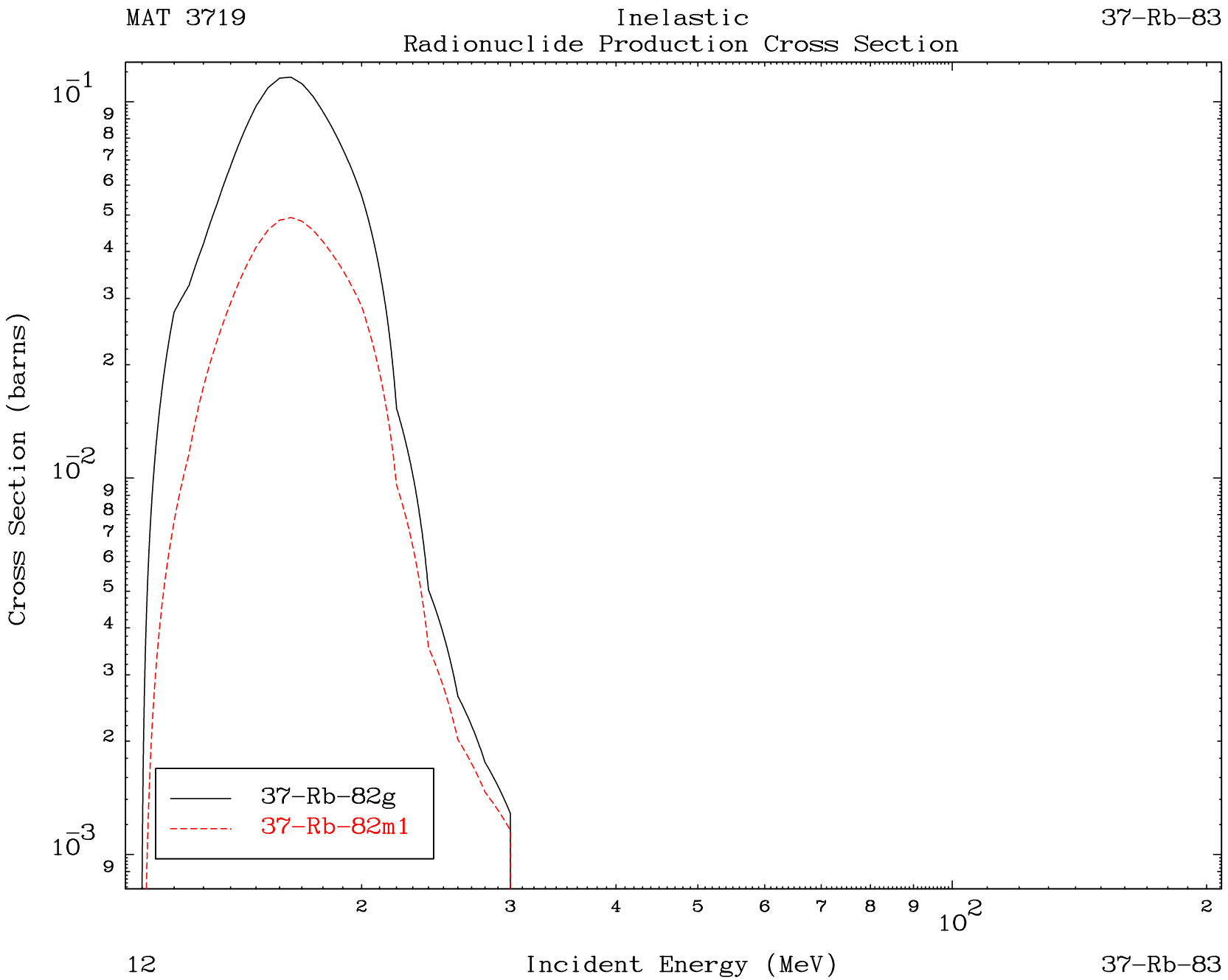

MAT 3719
(γ,p) Levels
37-Rb-83
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
37-Rb-83

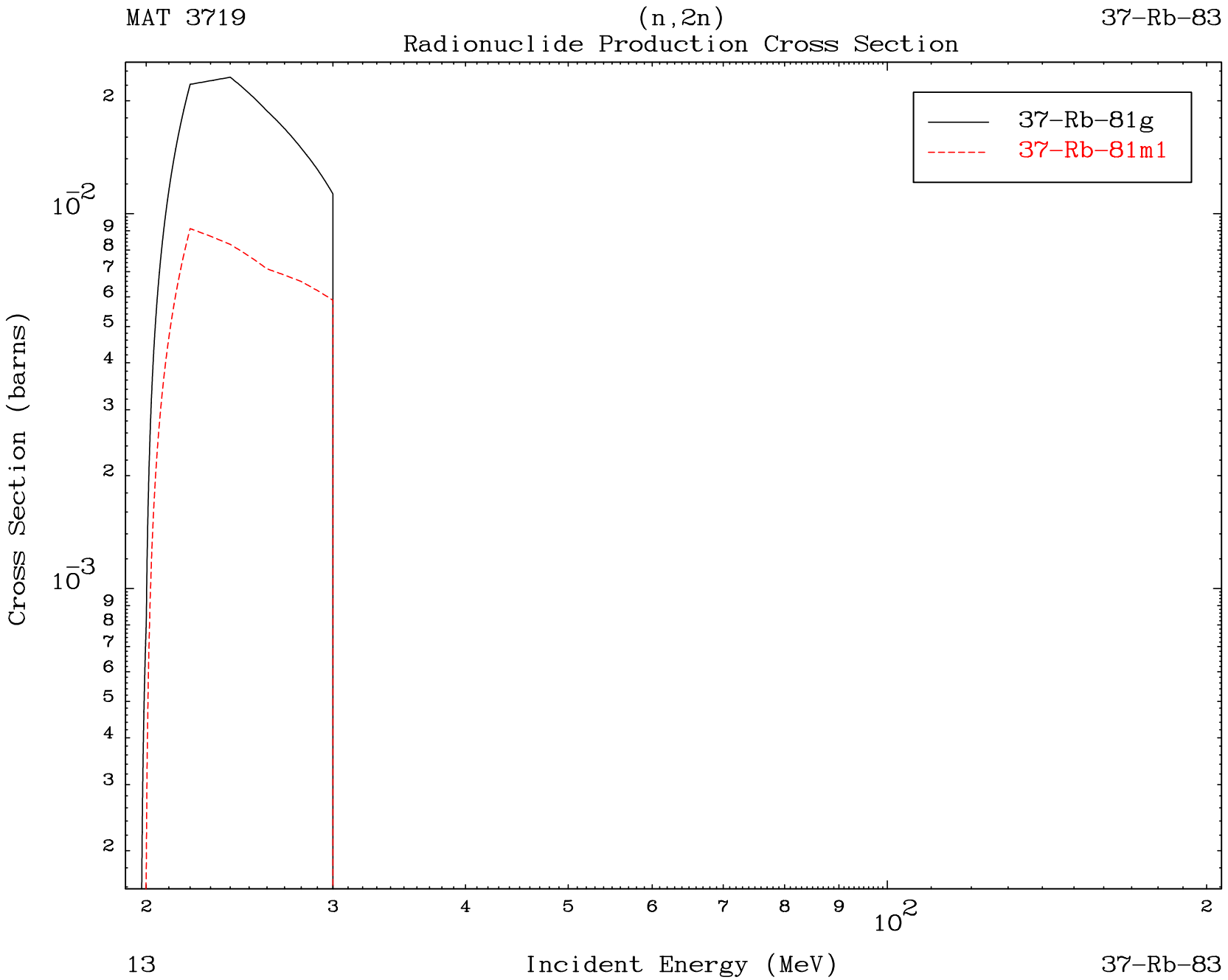

MAT 3719
(γ,d) Levels
37-Rb-83
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
37-Rb-83

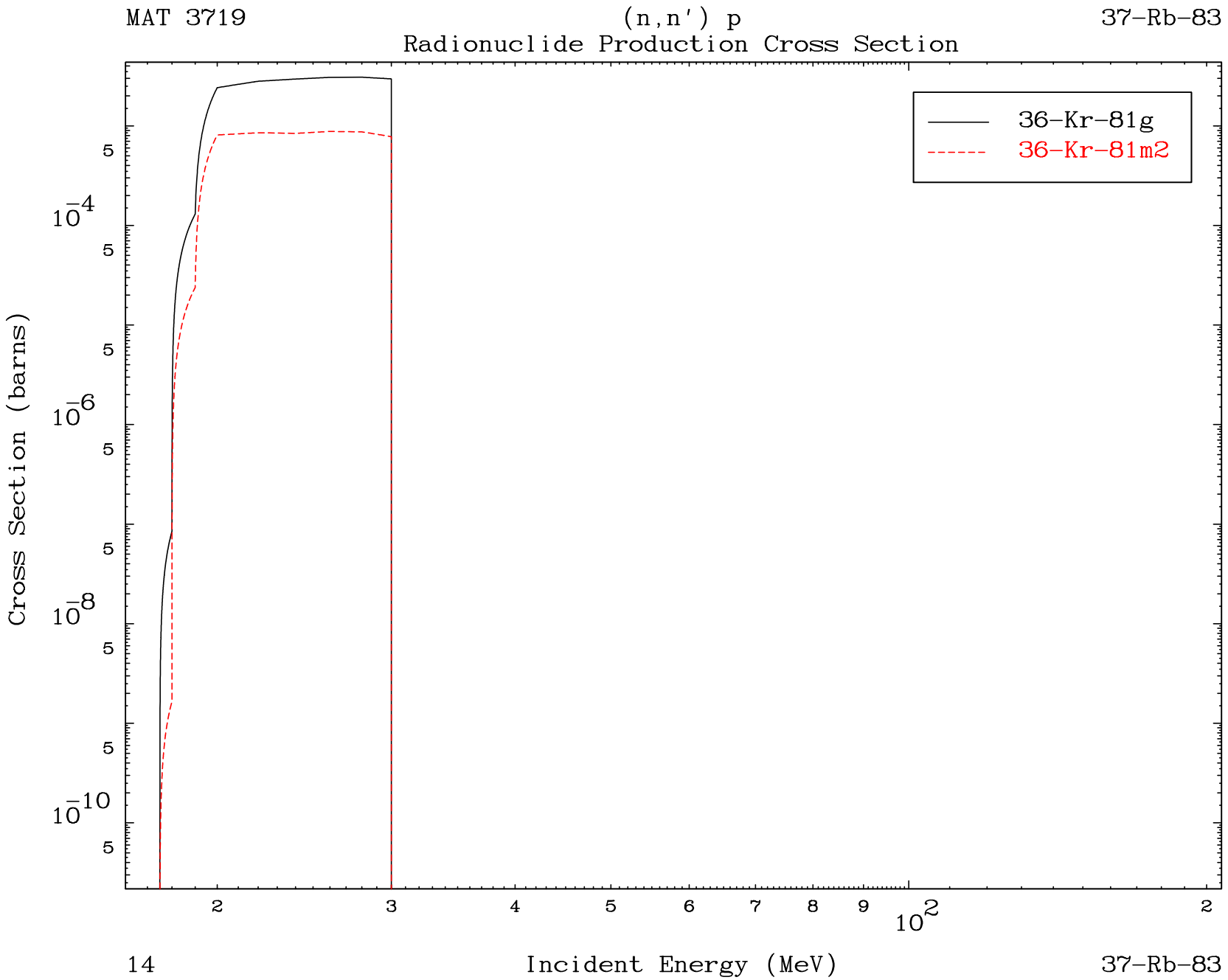

MAT 3719
(γ,t) Levels
37-Rb-83
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^-14
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
37-Rb-83

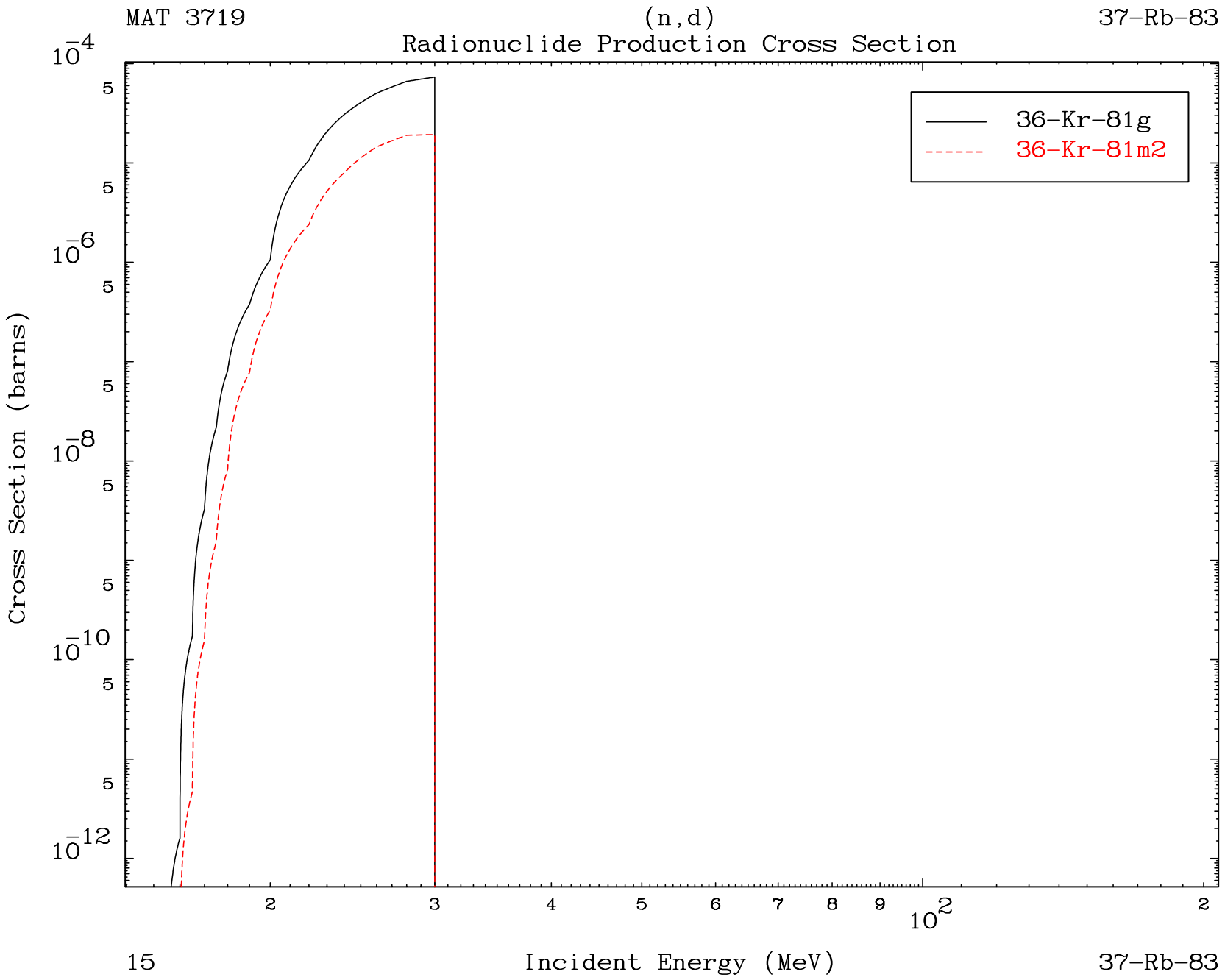

MAT 3719
(γ,He3) Levels
37-Rb-83
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
Incident Energy (MeV)
10
10^2
37-Rb-83

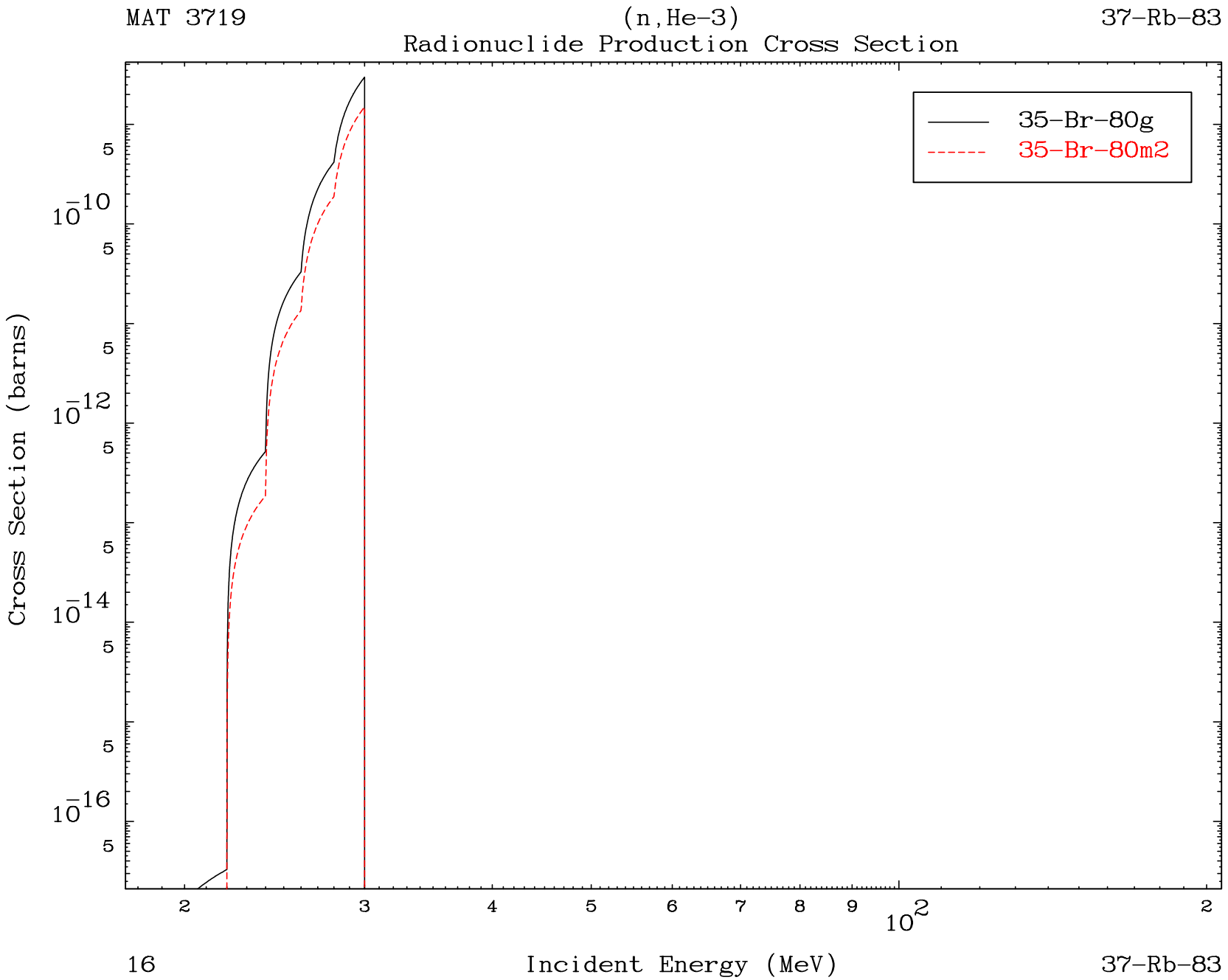

MAT 3719
(γ,α) Levels
37-Rb-83
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
11
Incident Energy (MeV)
37-Rb-83

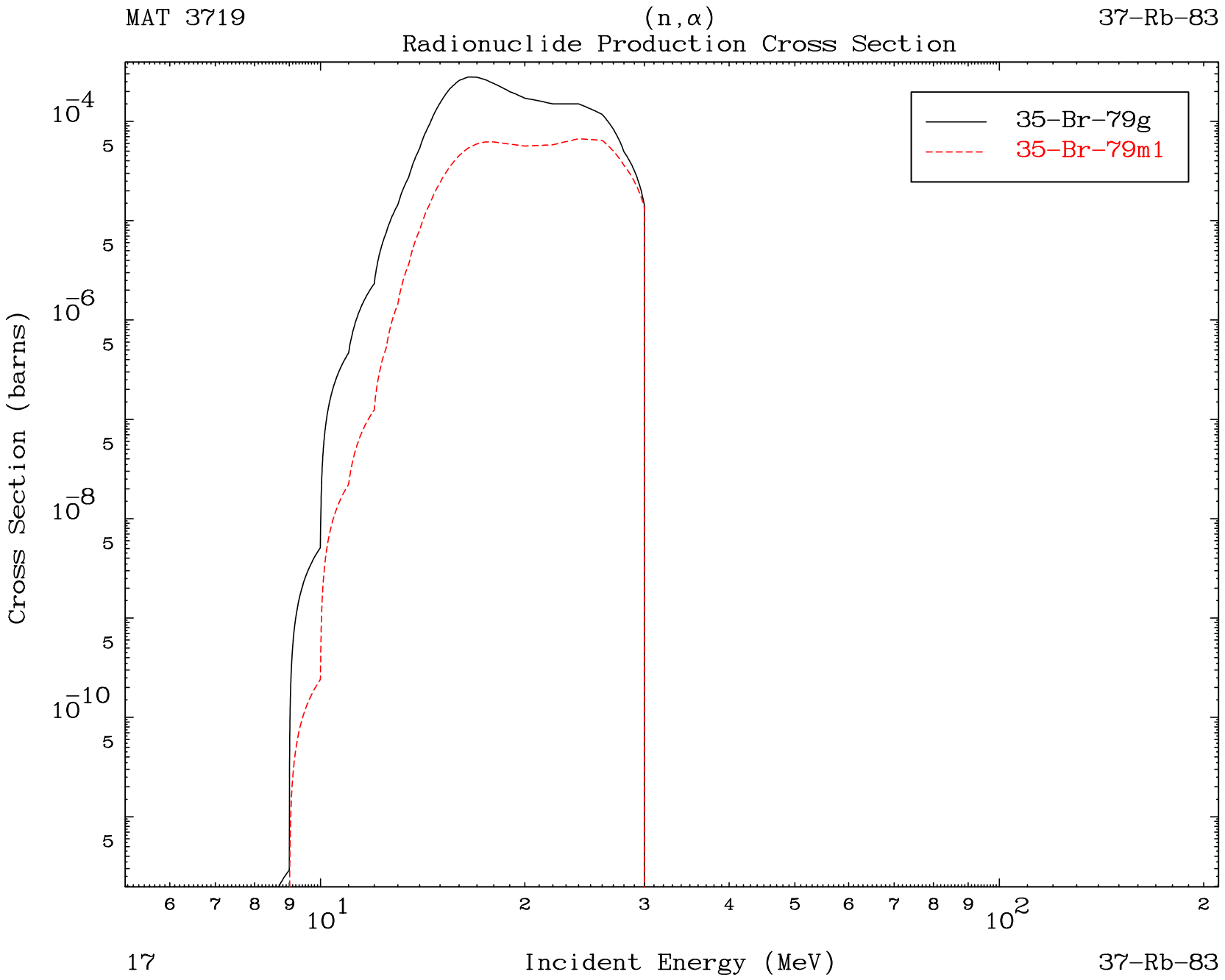

MAT 3719
Inelastic
37-Rb-83
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
37-Rb-82g
37-Rb-82m1
12
37-Rb-83

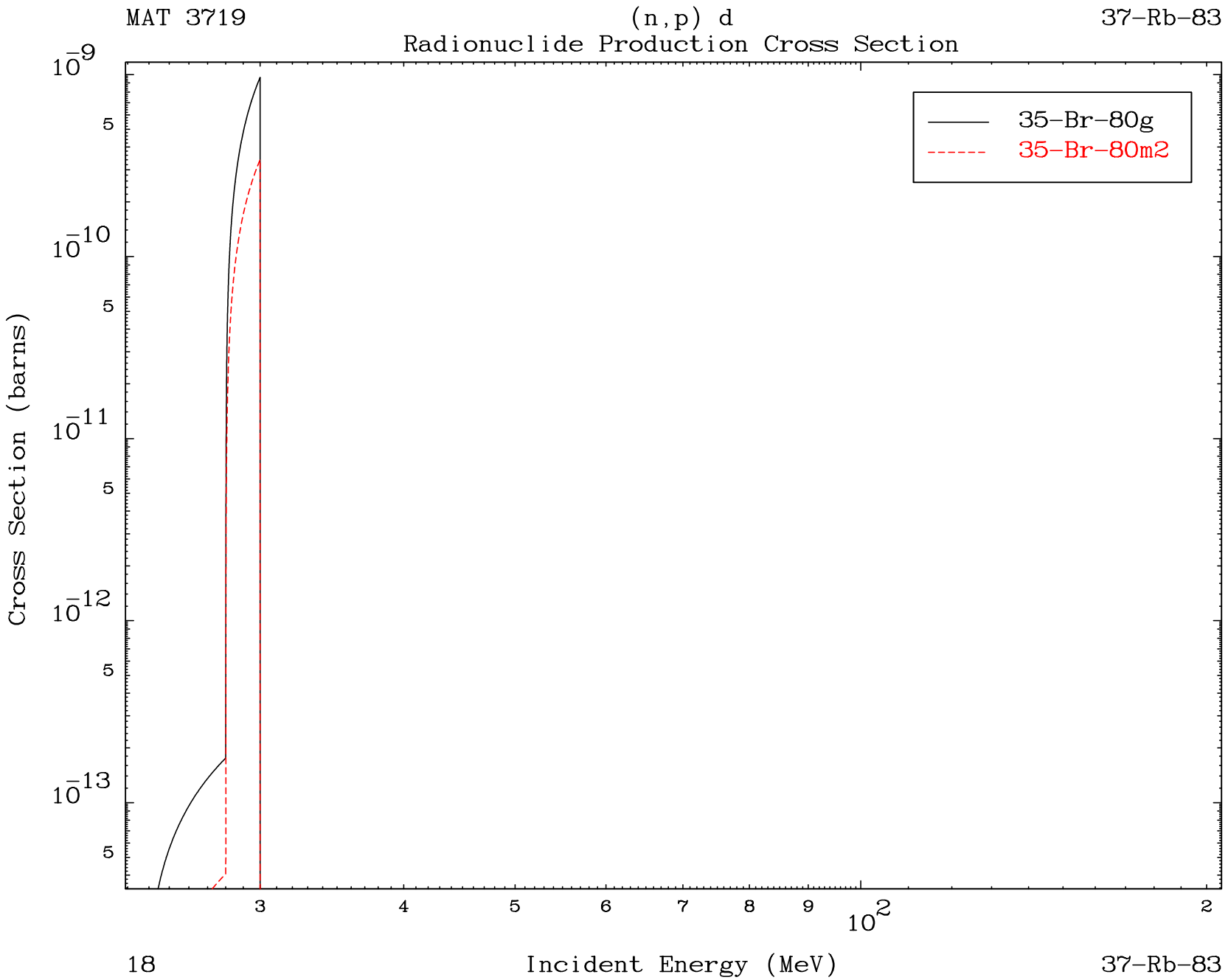

MAT 3719
(n,2n)
37-Rb-83
Radionuclide Production Cross Section
37-Rb-81g
37-Rb-81m1
Cross Section (barns)
Incident Energy (MeV)
13
37-Rb-83


MAT 3719
(n,n') p
37-Rb-83
Radionuclide Production Cross Section
36-Kr-81g
36-Kr-81m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
37-Rb-83


MAT 3719
(n,d)
37-Rb-83
Radionuclide Production Cross Section
36-Kr-81g
36-Kr-81m2
Cross Section (barns)
Incident Energy (MeV)
15
37-Rb-83


MAT 3719
(n,He-3)
37-Rb-83
Radionuclide Production Cross Section
35-Br-80g
35-Br-80m2
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
37-Rb-83


MAT 3719
(n,α)
37-Rb-83
Radionuclide Production Cross Section
35-Br-79g
35-Br-79m1
Cross Section (barns)
Incident Energy (MeV)
17
37-Rb-83


MAT 3719
(n,p) d
37-Rb-83
Radionuclide Production Cross Section
35-Br-80g
35-Br-80m2
Cross Section (barns)
Incident Energy (MeV)
18
37-Rb-83