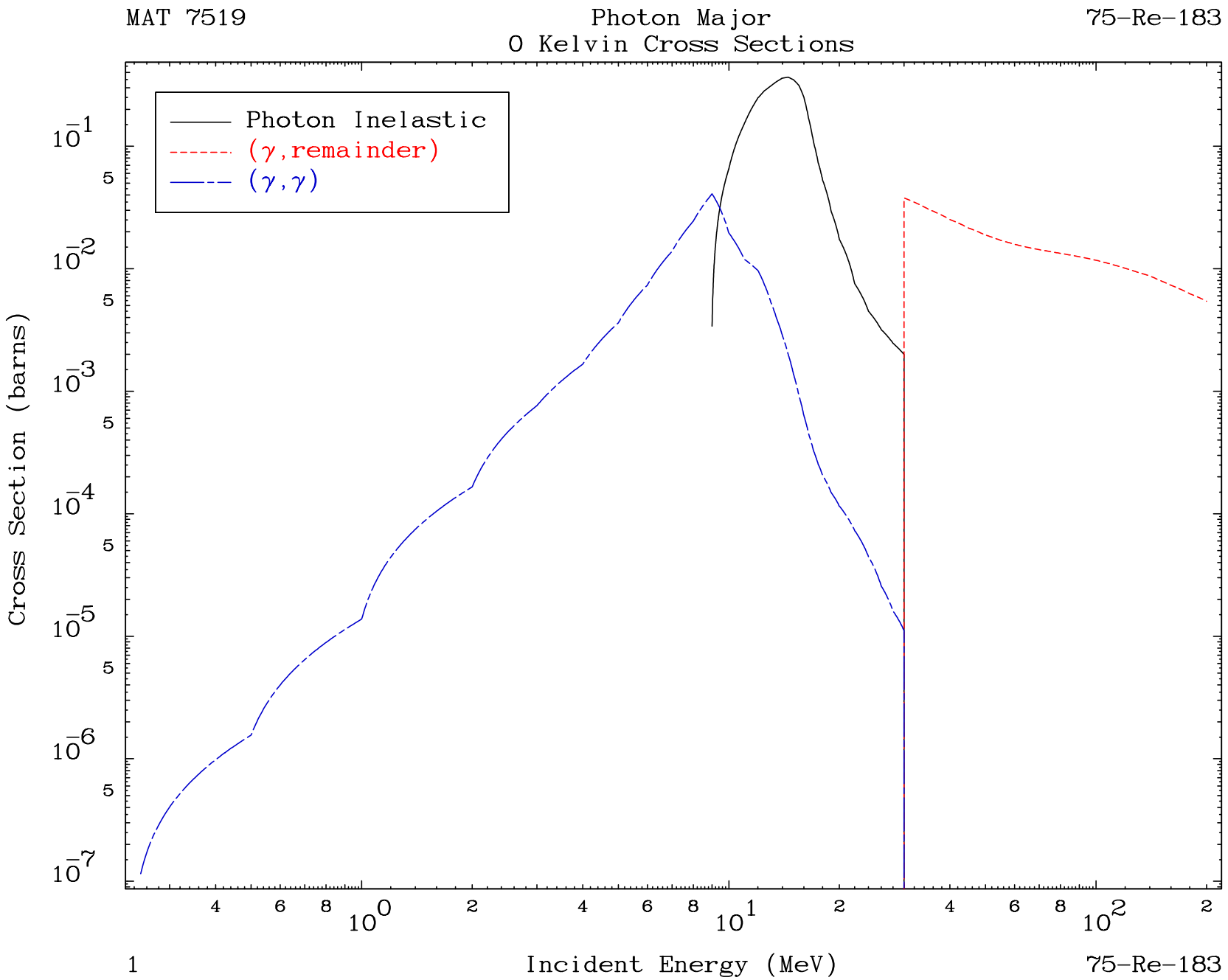
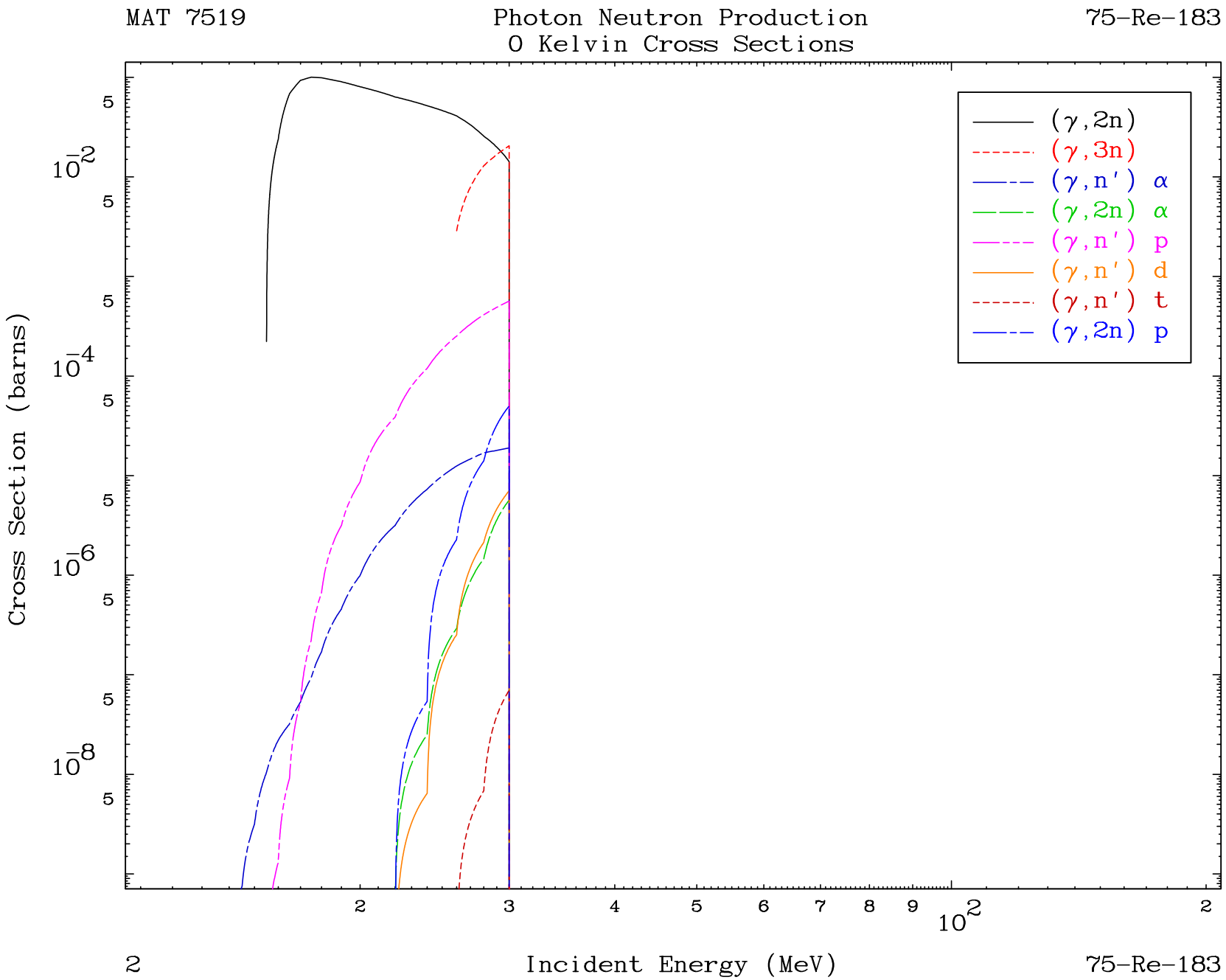
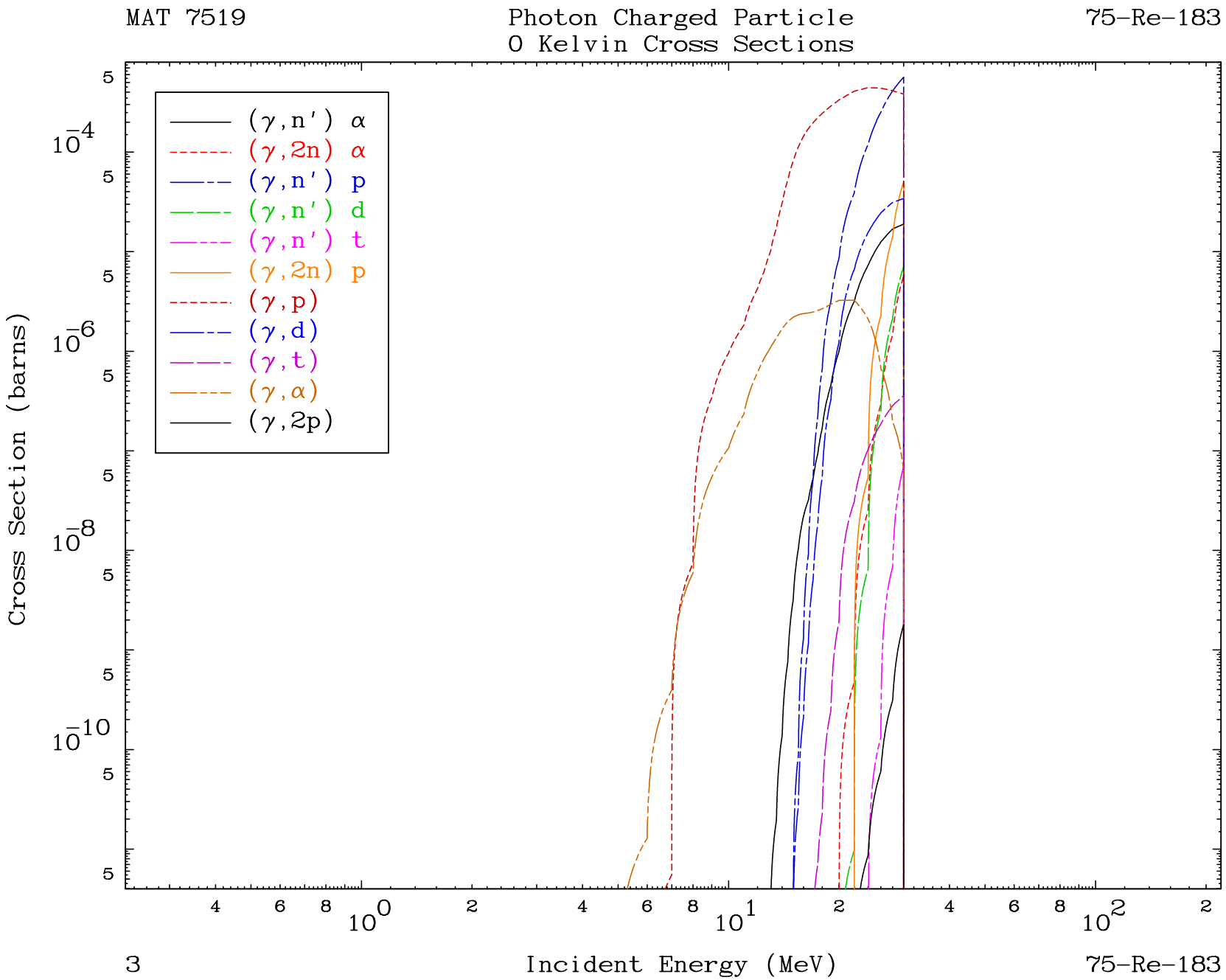
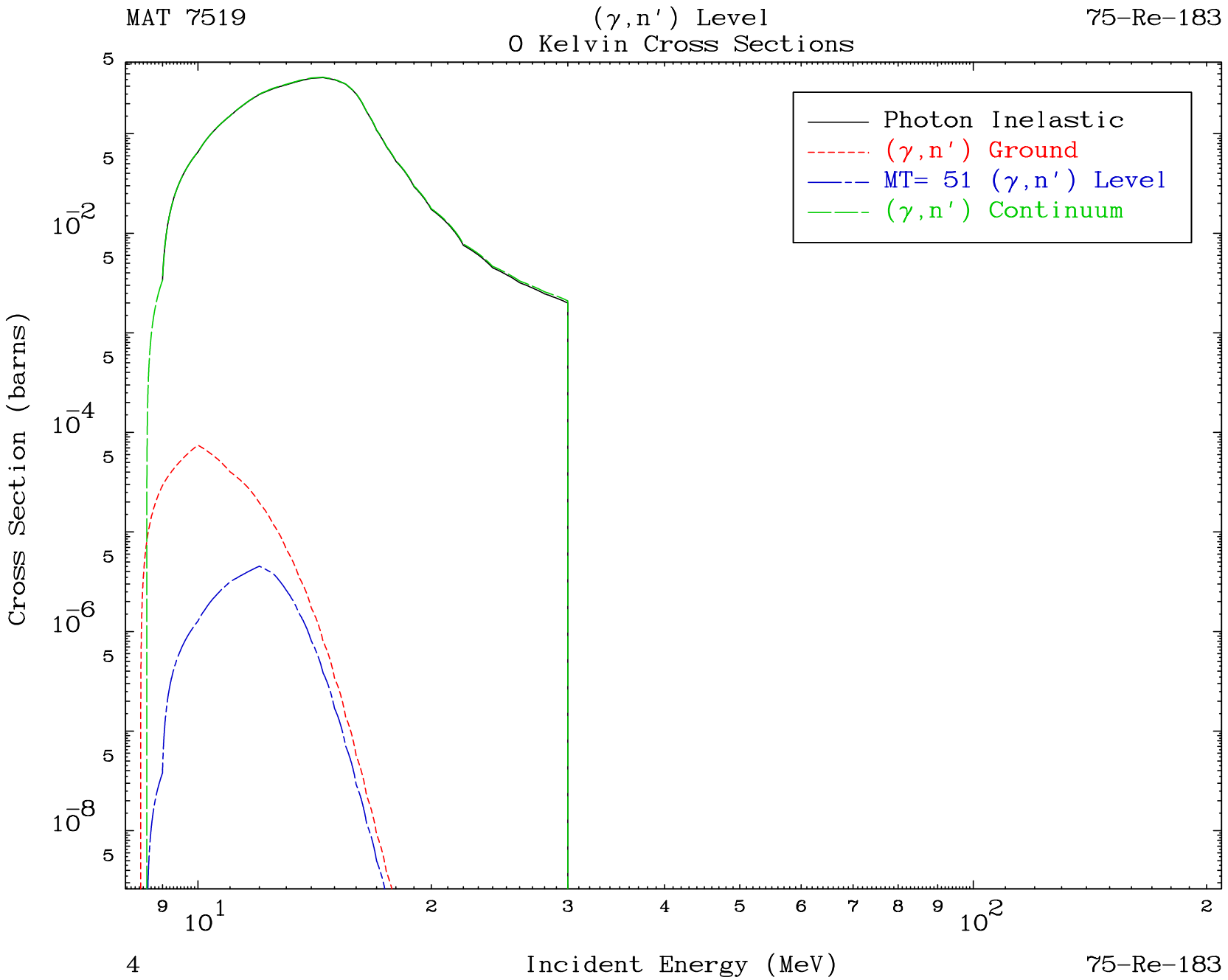
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

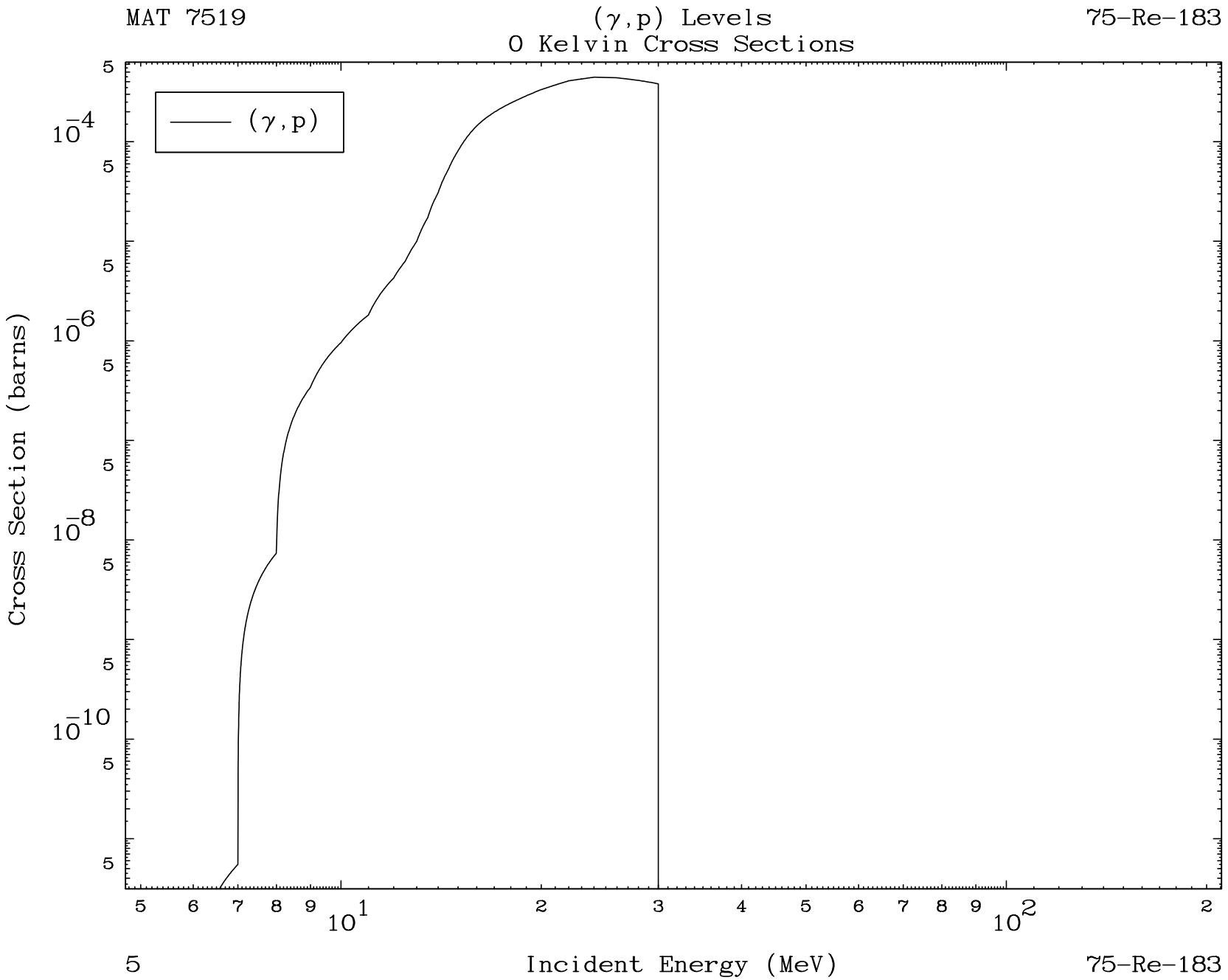
Press Mouse Button to Start

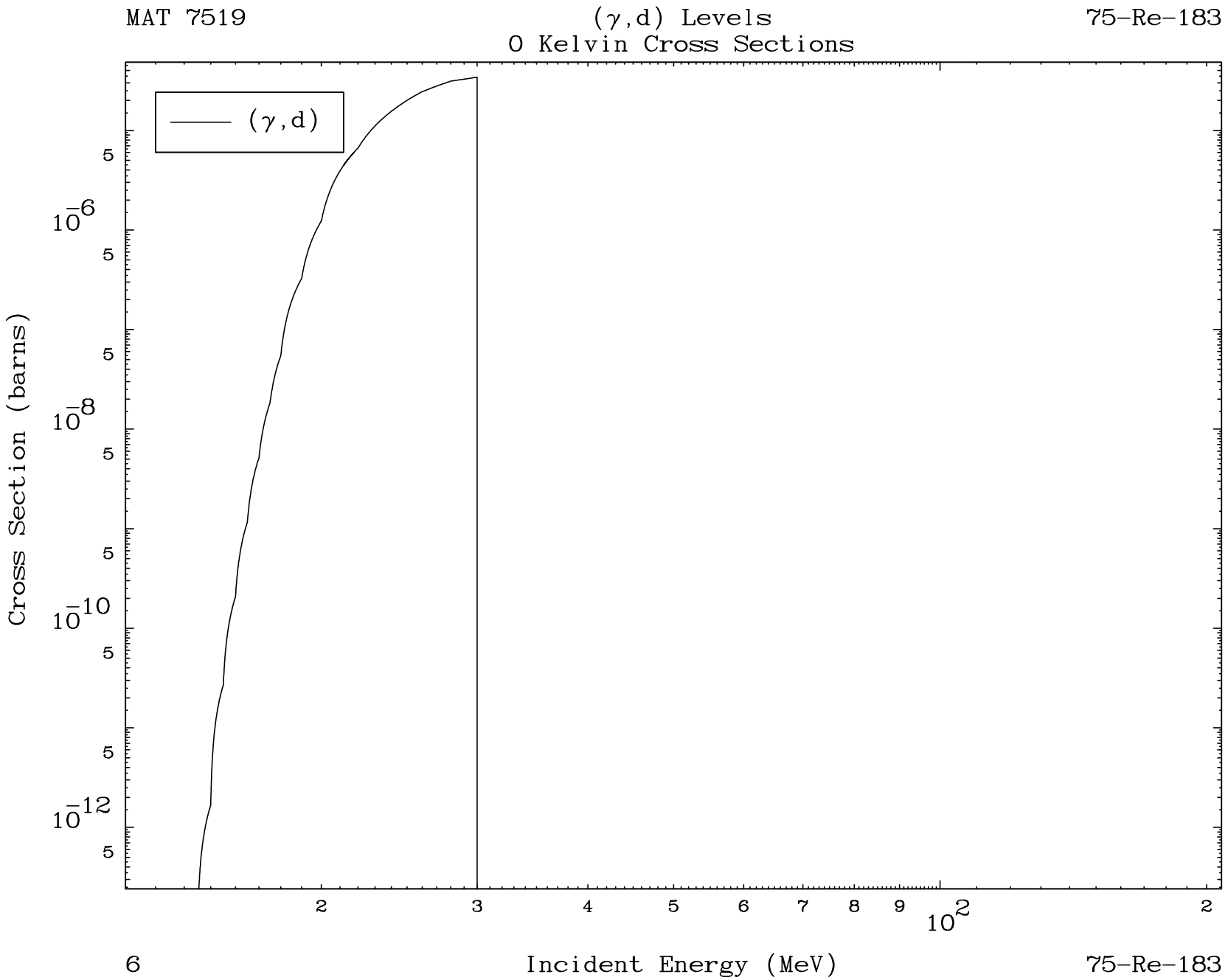

MAT 7519
Photon Major
75-Re-183
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
75-Re-183
1

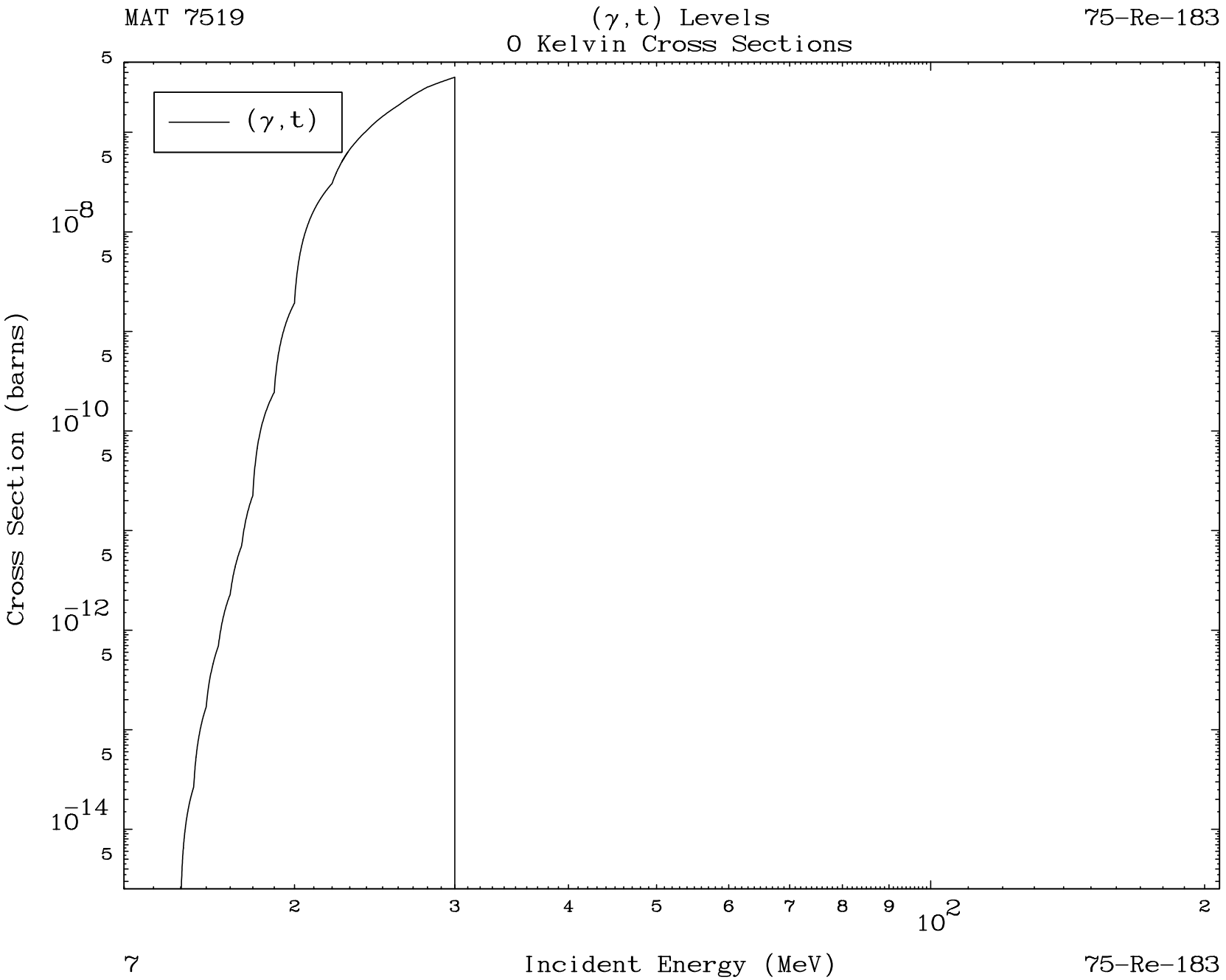

MAT 7519
Photon Neutron Production
0 Kelvin Cross Sections
75-Re-183
Cross Section (barns)
Incident Energy (MeV)
75-Re-183
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p

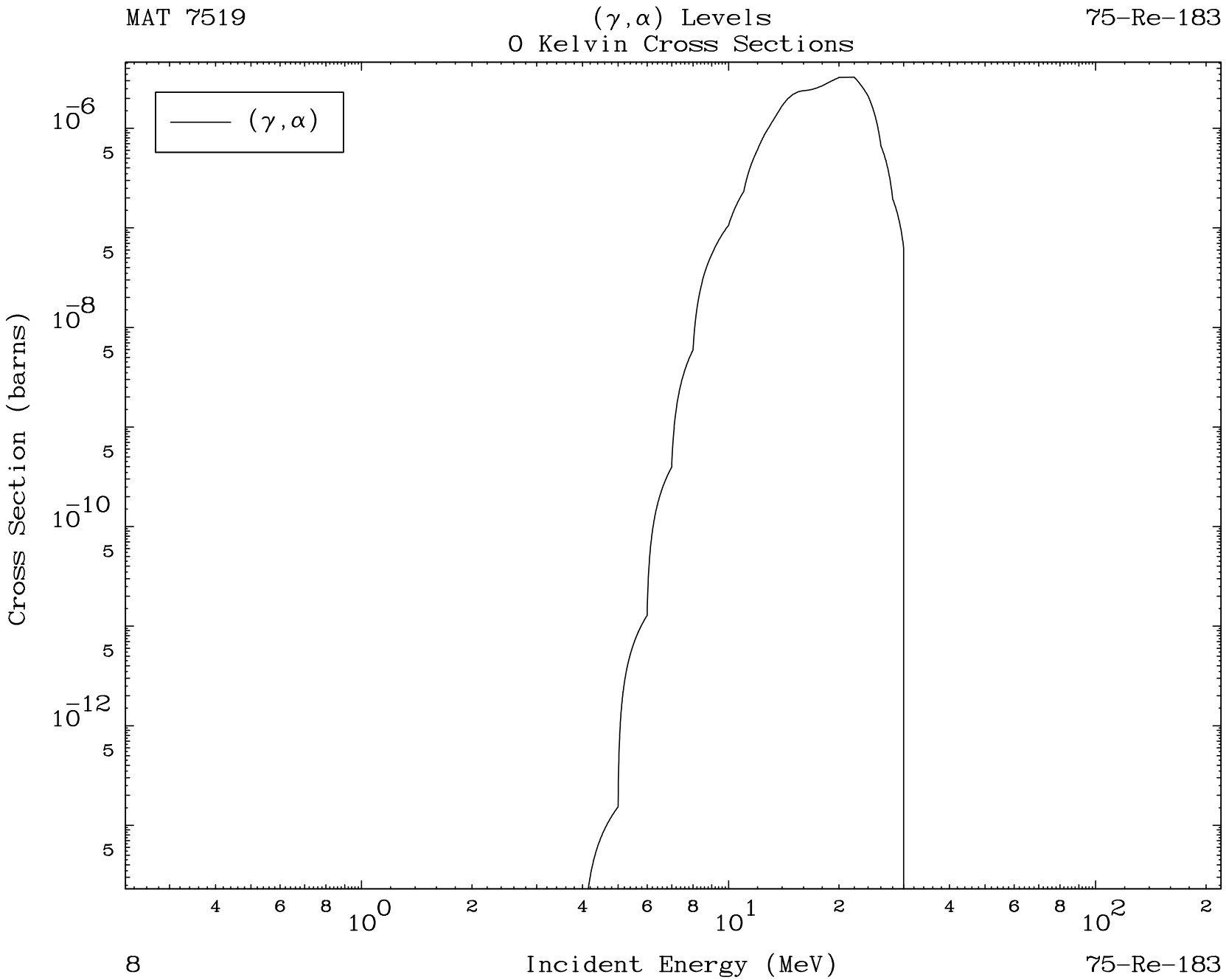

MAT 7519
Photon Charged Particle
0 Kelvin Cross Sections
75-Re-183
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
(γ,2p)
Cross Section (barns)
Incident Energy (MeV)
3
75-Re-183

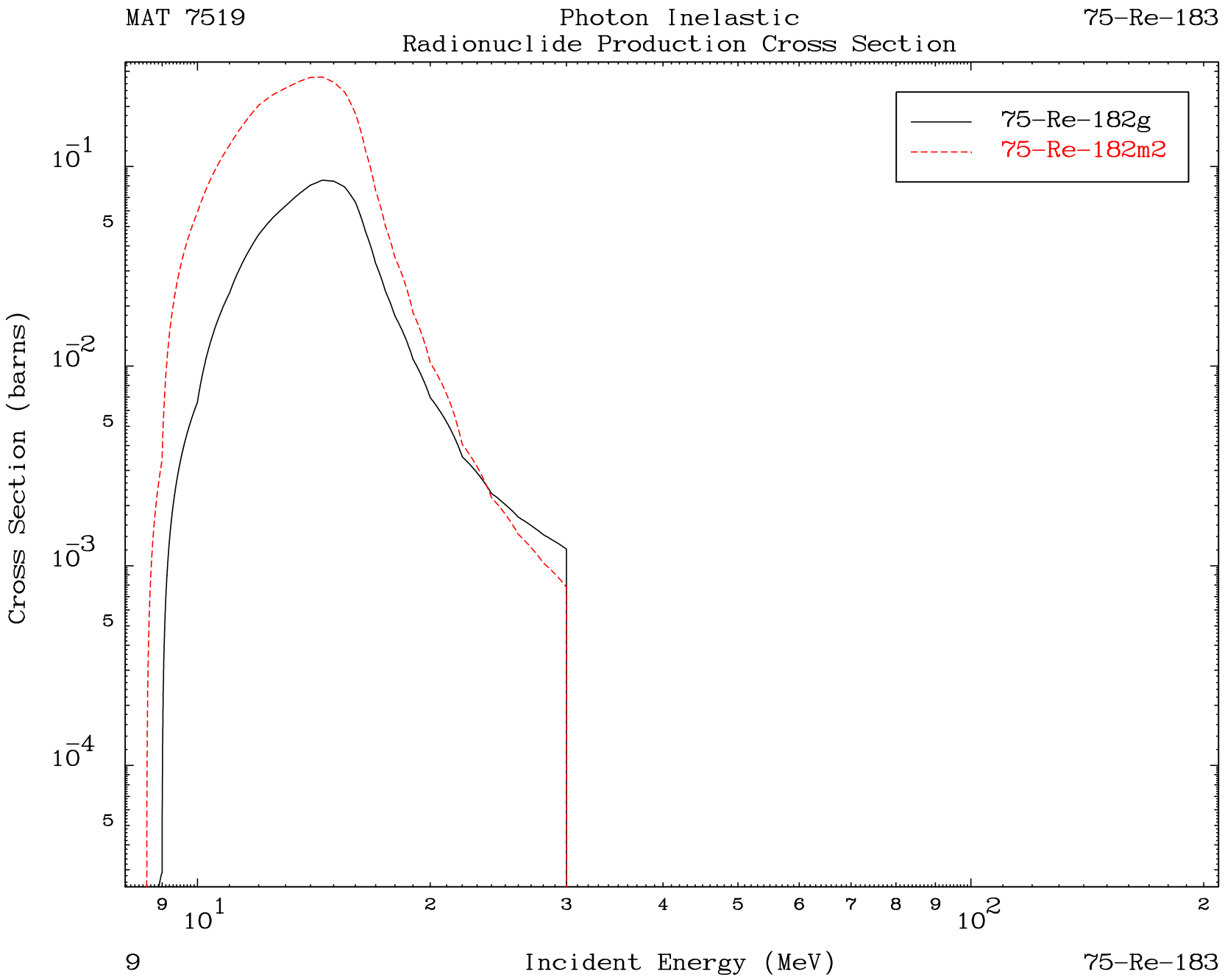

MAT 7519
(γ,n') Level
75-Re-183
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
4
75-Re-183

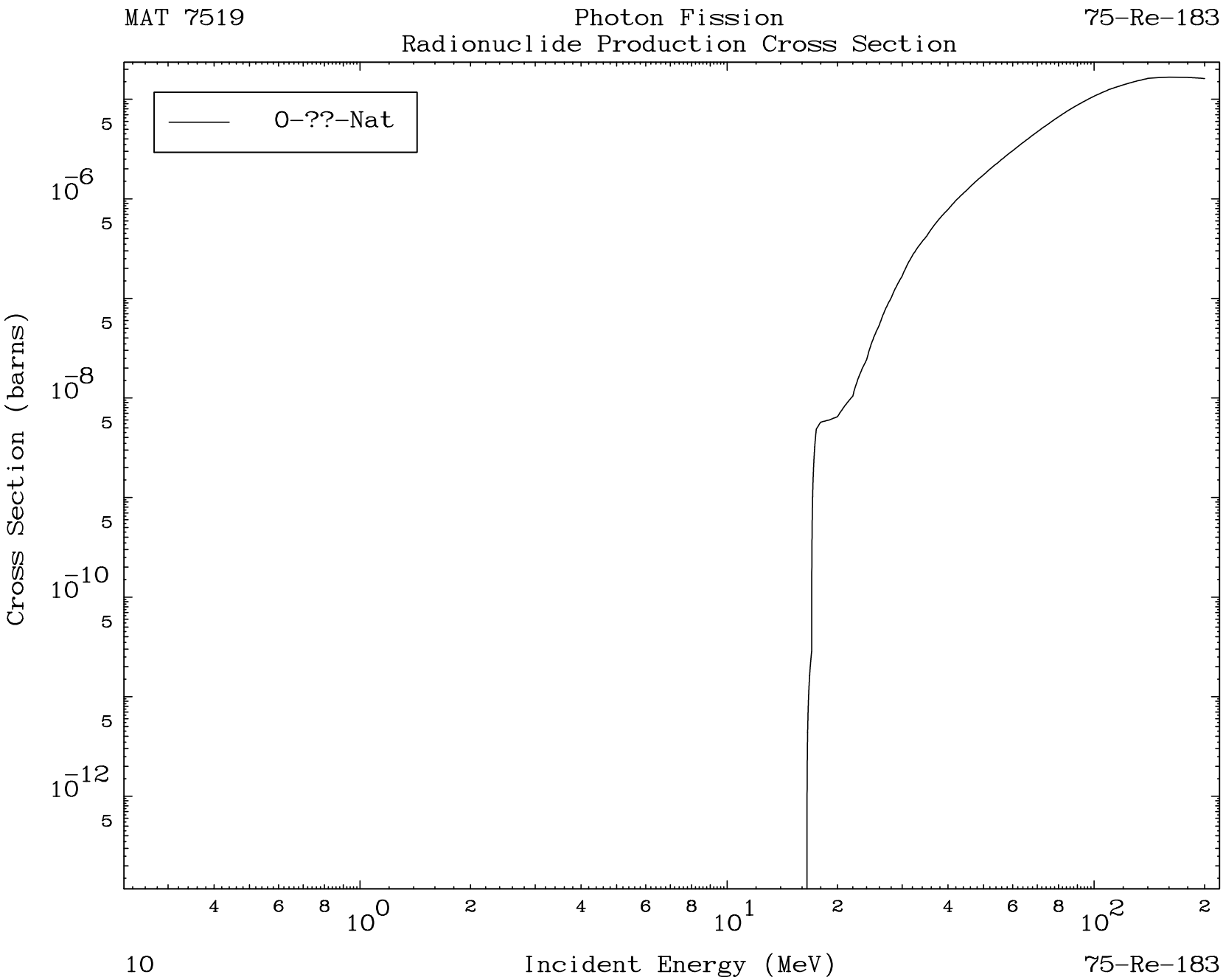

MAT 7519
(γ,p) Levels
75-Re-183
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
5
Incident Energy (MeV)
75-Re-183

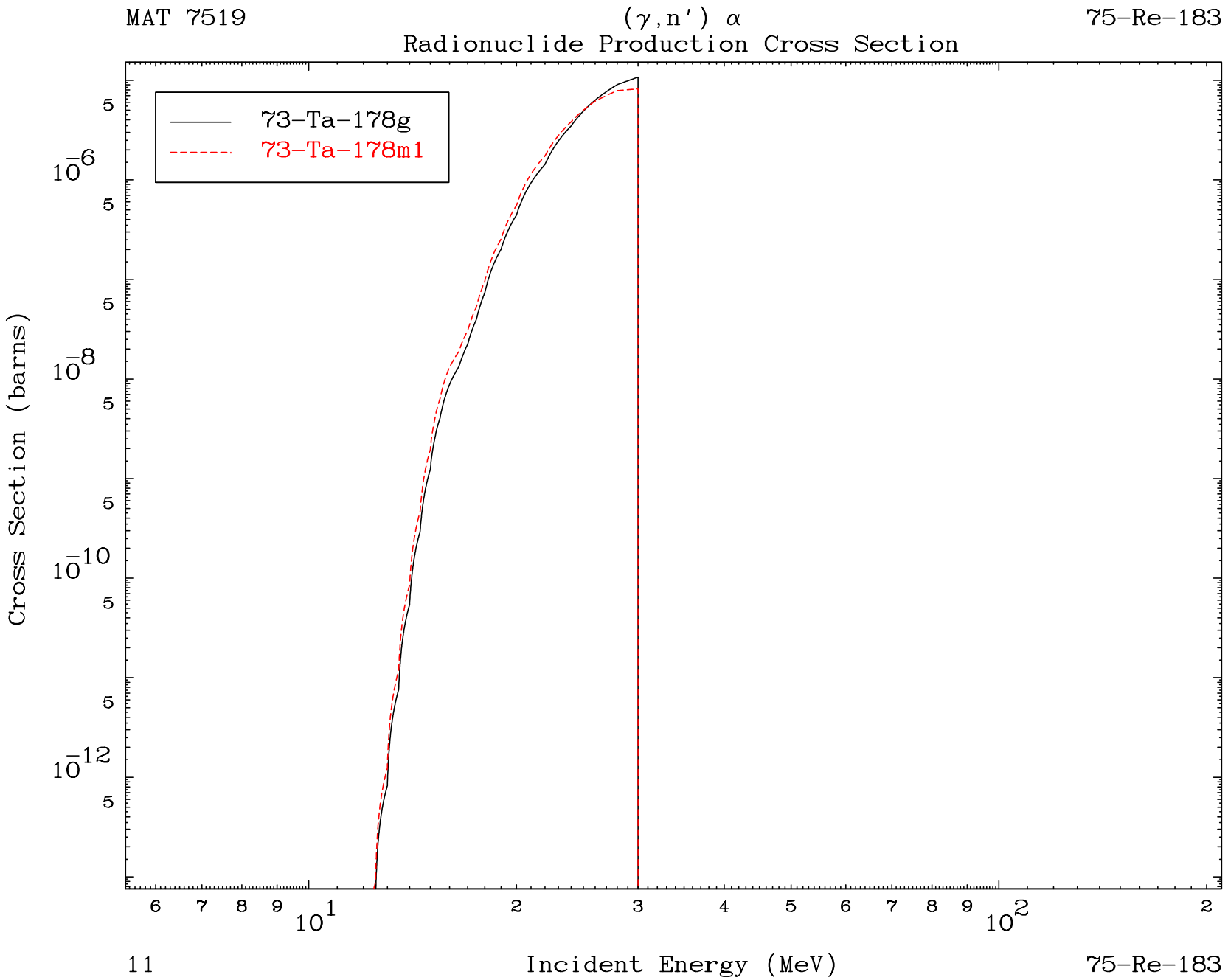

MAT 7519
(γ,d) Levels
75-Re-183
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
6
Incident Energy (MeV)
75-Re-183

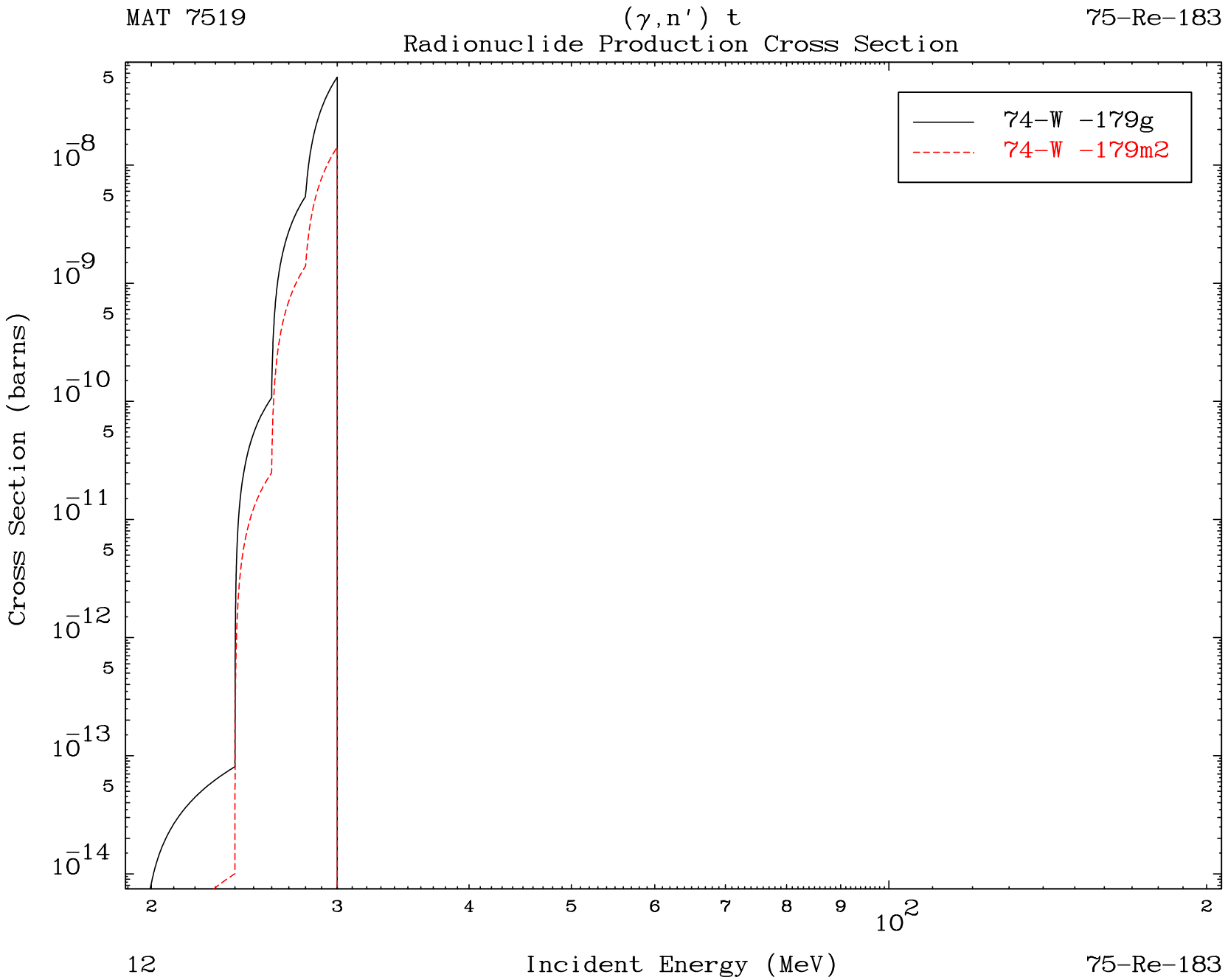

MAT 7519
(γ,t) Levels
75-Re-183
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
5
5
10^-8
5
5
10^-10
5
5
10^-12
5
5
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
75-Re-183


MAT 7519
(γ,α) Levels
0 Kelvin Cross Sections
75-Re-183
(γ,α)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
4
6
8
10^0
2
10^1
10^2
Incident Energy (MeV)
8
75-Re-183


MAT 7519
Photon Inelastic
75-Re-183
Radionuclide Production Cross Section
75-Re-182g
75-Re-182m2
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
9
75-Re-183


MAT 7519
Photon Fission
75-Re-183
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
75-Re-183


MAT 7519
(γ,n') α
75-Re-183
Radionuclide Production Cross Section
73-Ta-178g
73-Ta-178m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
11
75-Re-183


MAT 7519
(γ,n') t
75-Re-183
Radionuclide Production Cross Section
74-W -179g
74-W -179m2
Cross Section (barns)
10^-8
10^-9
10^-10
10^-11
10^-12
10^-13
10^-14
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
75-Re-183