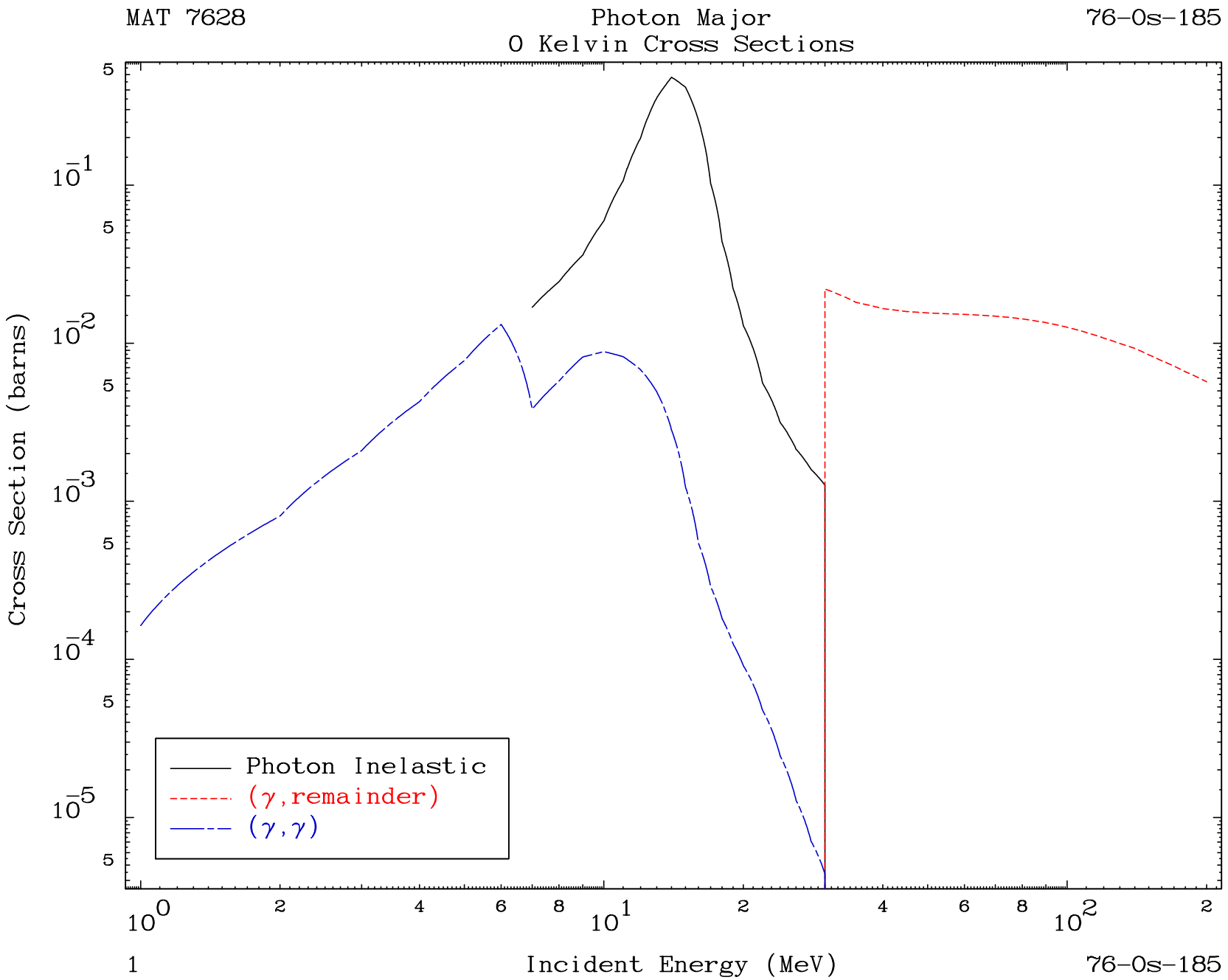
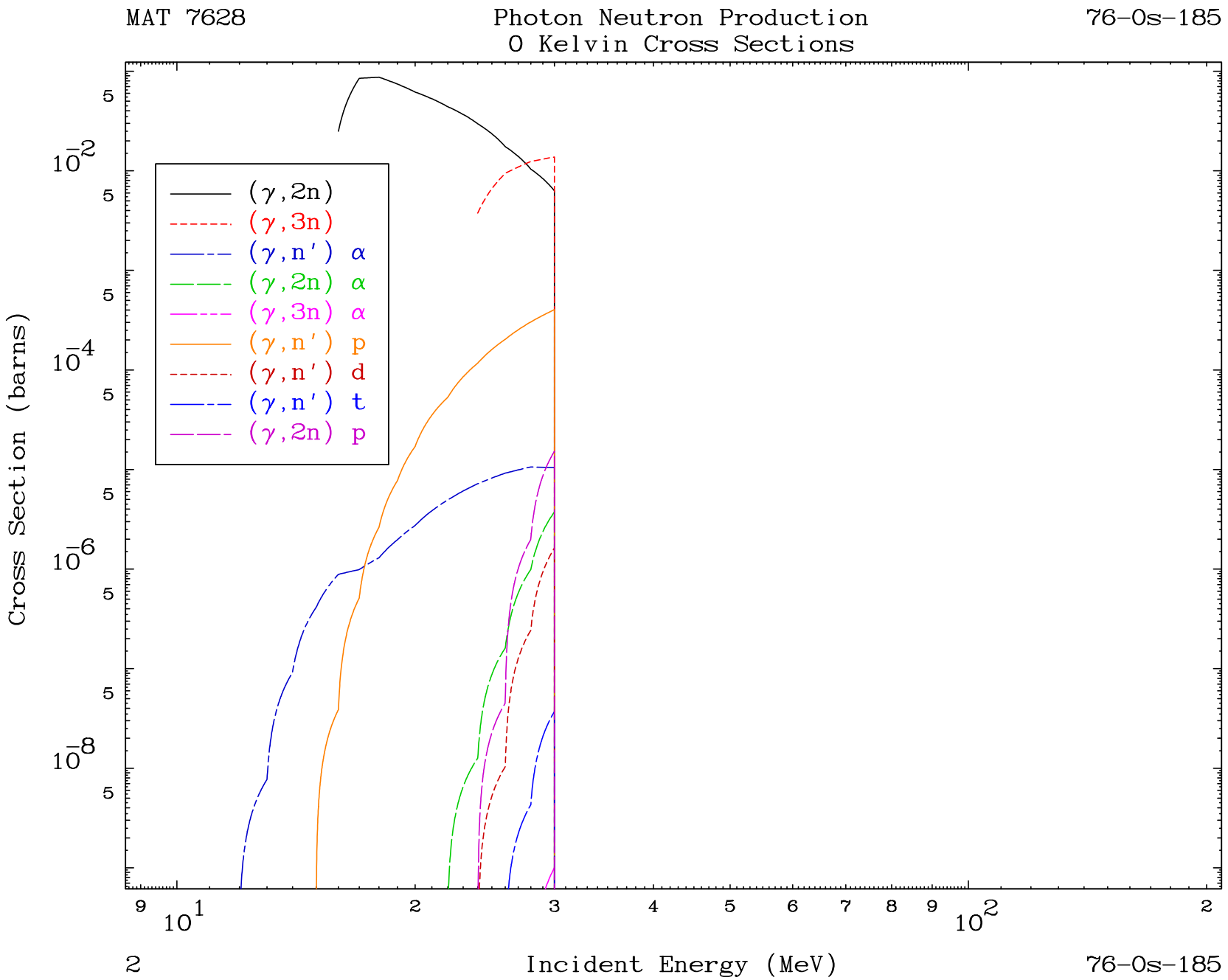
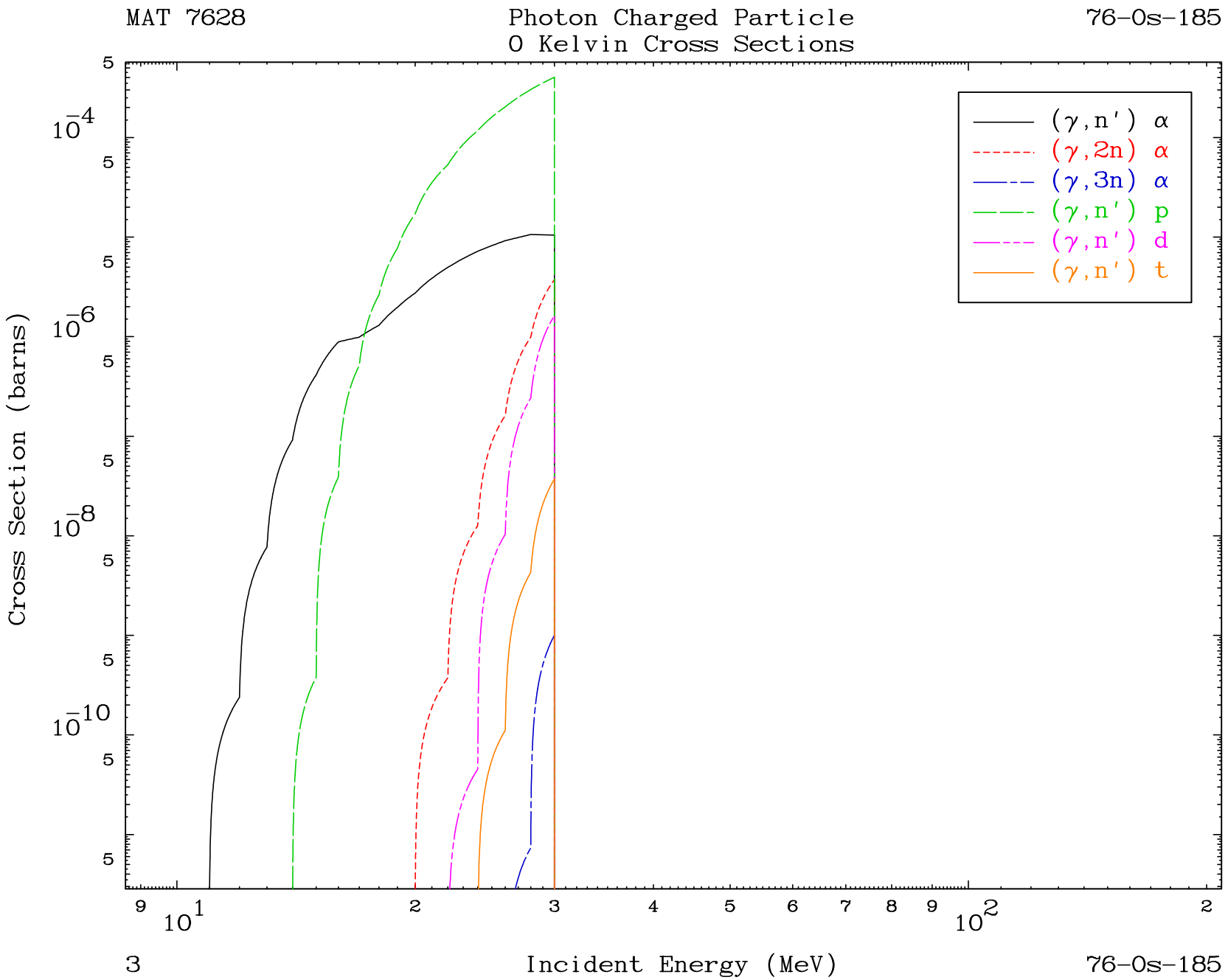
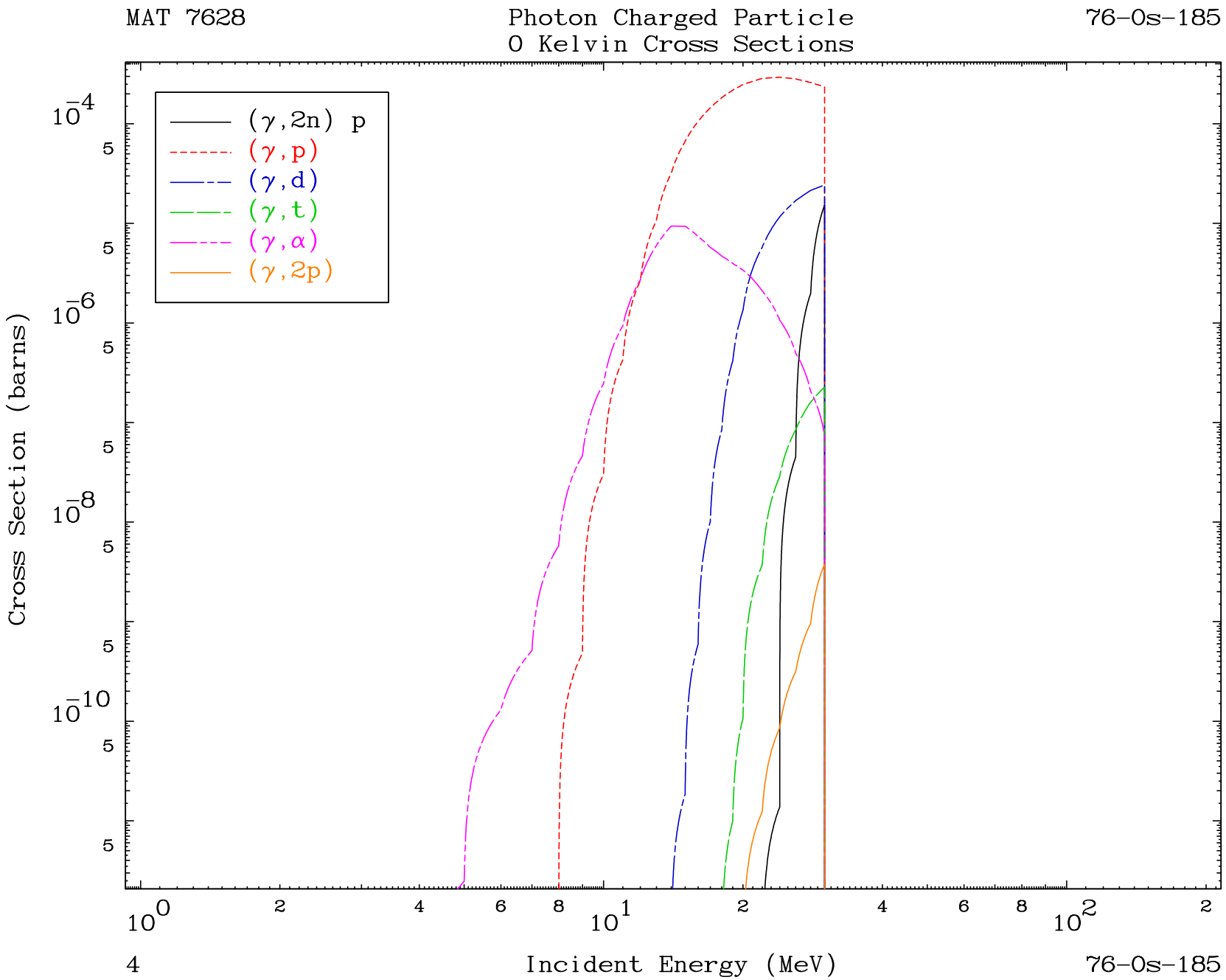
Program EVALPLOT
(Version 2017-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

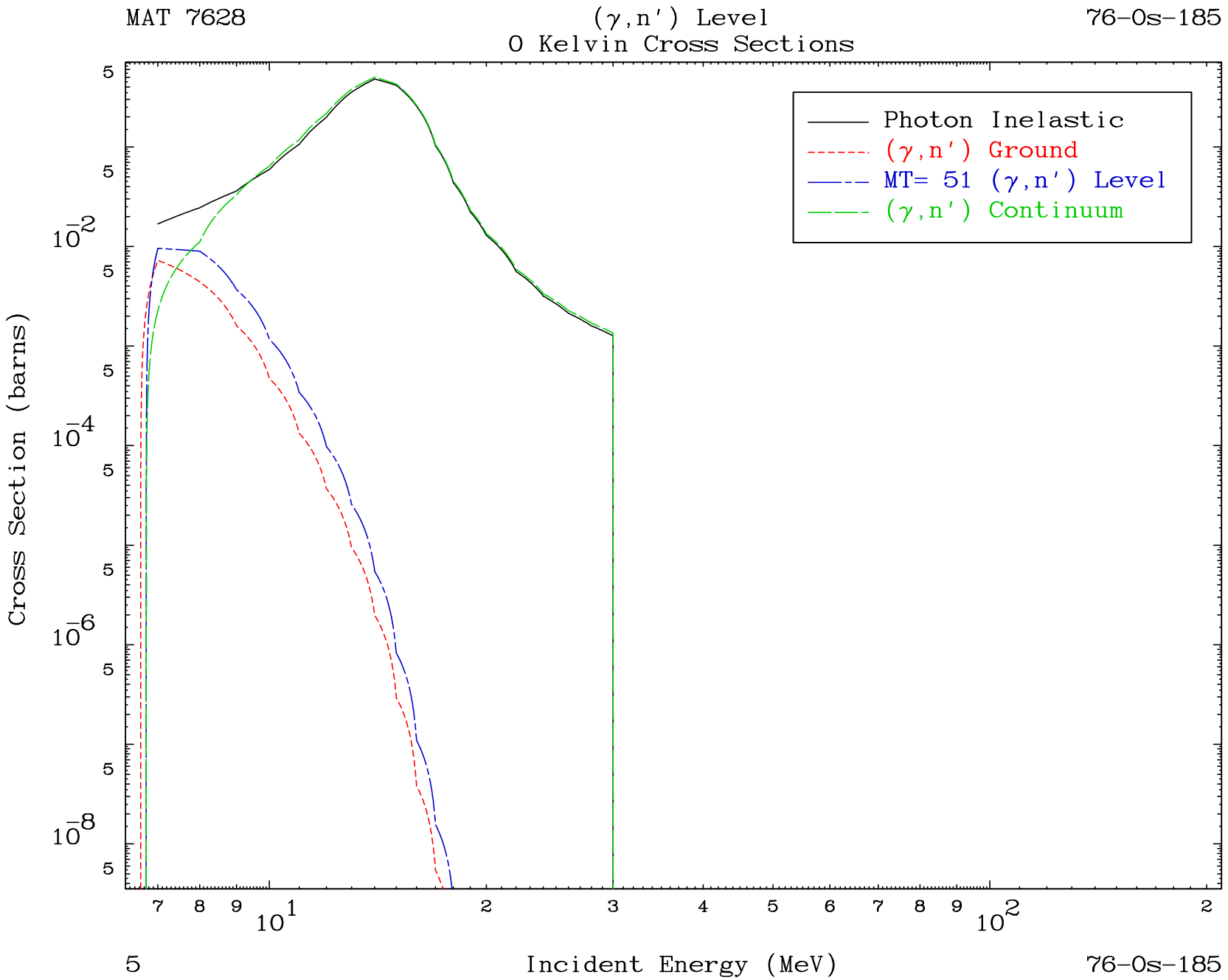
Press Mouse Button to Start

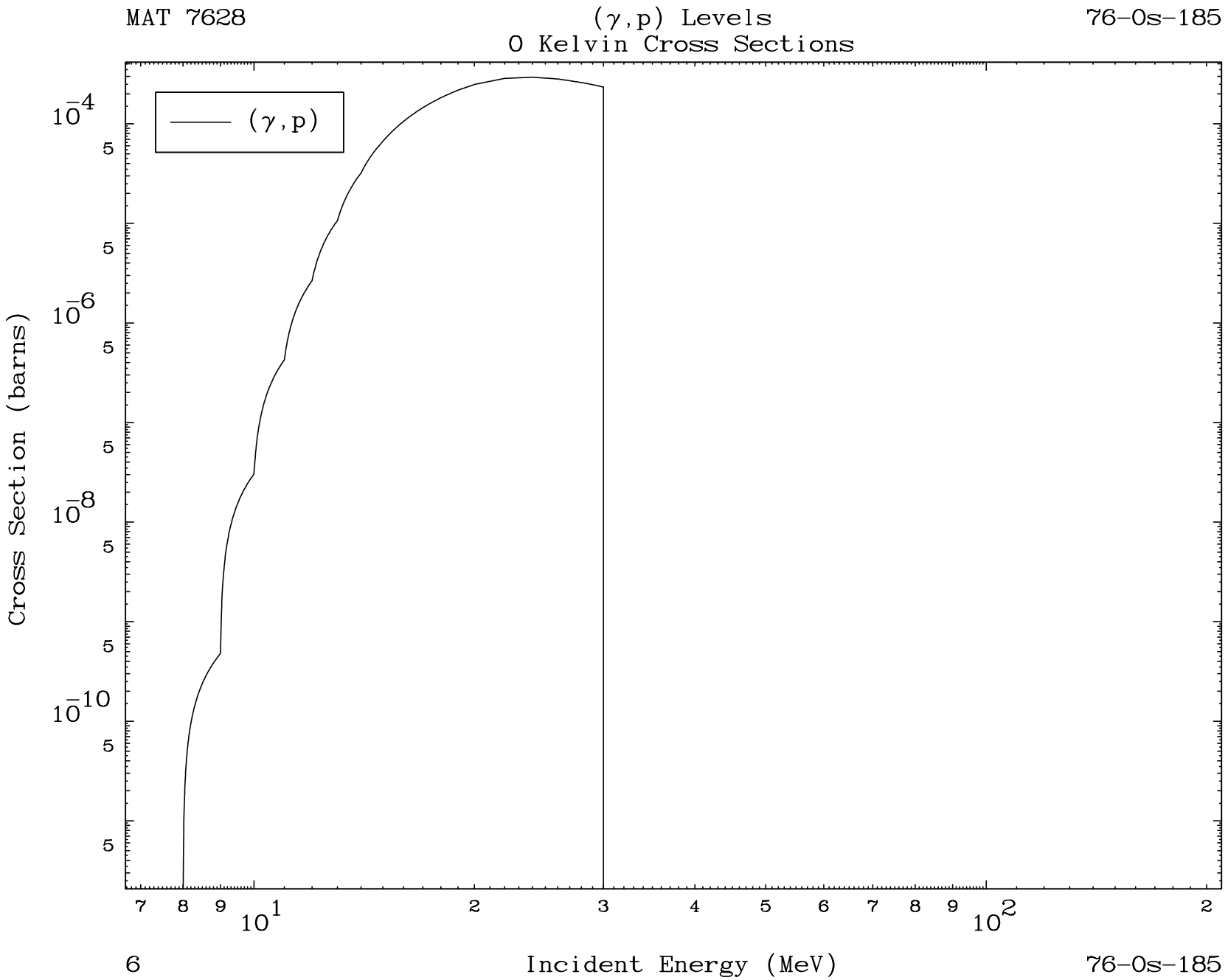

MAT 7628
Photon Major
76-0s-185
0 Kelvin Cross Sections
Cross Section (barns)
Photon Inelastic
(γ,remainder)
(γ,γ)
Incident Energy (MeV)
76-0s-185

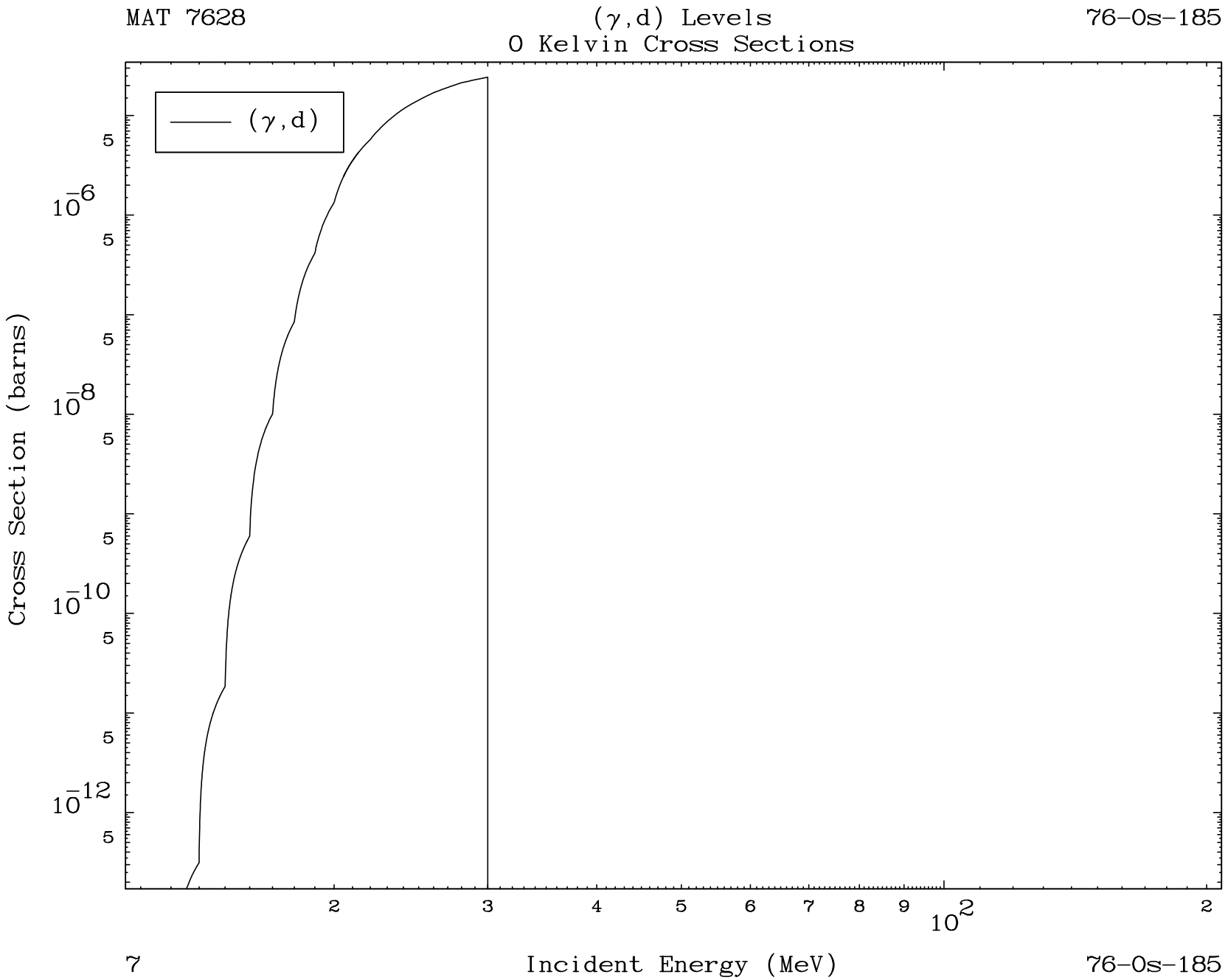

MAT 7628
Photon Neutron Production
0 Kelvin Cross Sections
76-0s-185
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
Cross Section (barns)
Incident Energy (MeV)
76-0s-185
2

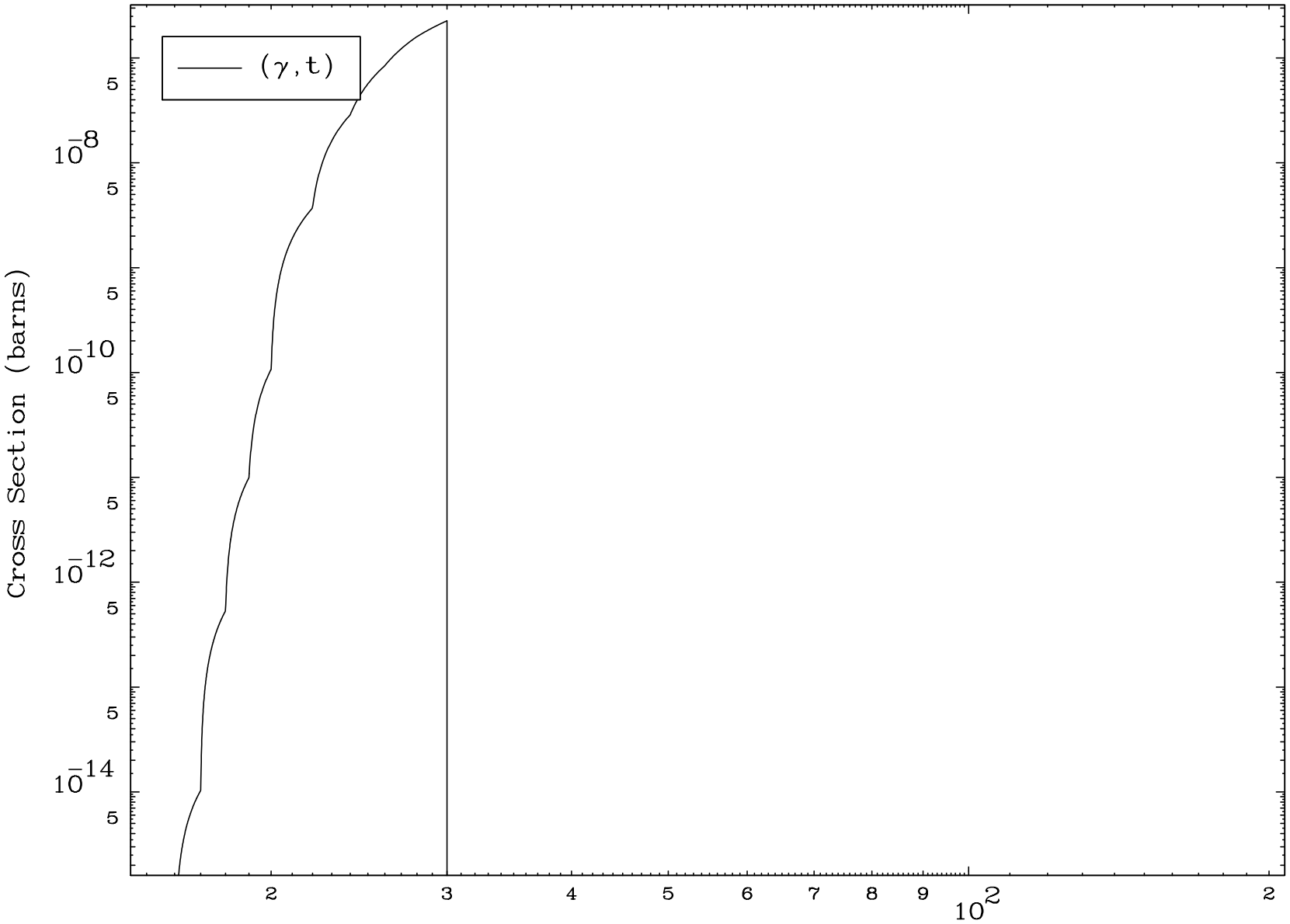

MAT 7628
Photon Charged Particle
0 Kelvin Cross Sections
76-0s-185
(γ,n') α
(γ,2n) α
(γ,3n) α
(γ,n') p
(γ,n') d
(γ,n') t
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10 1
10 2
3
76-0s-185

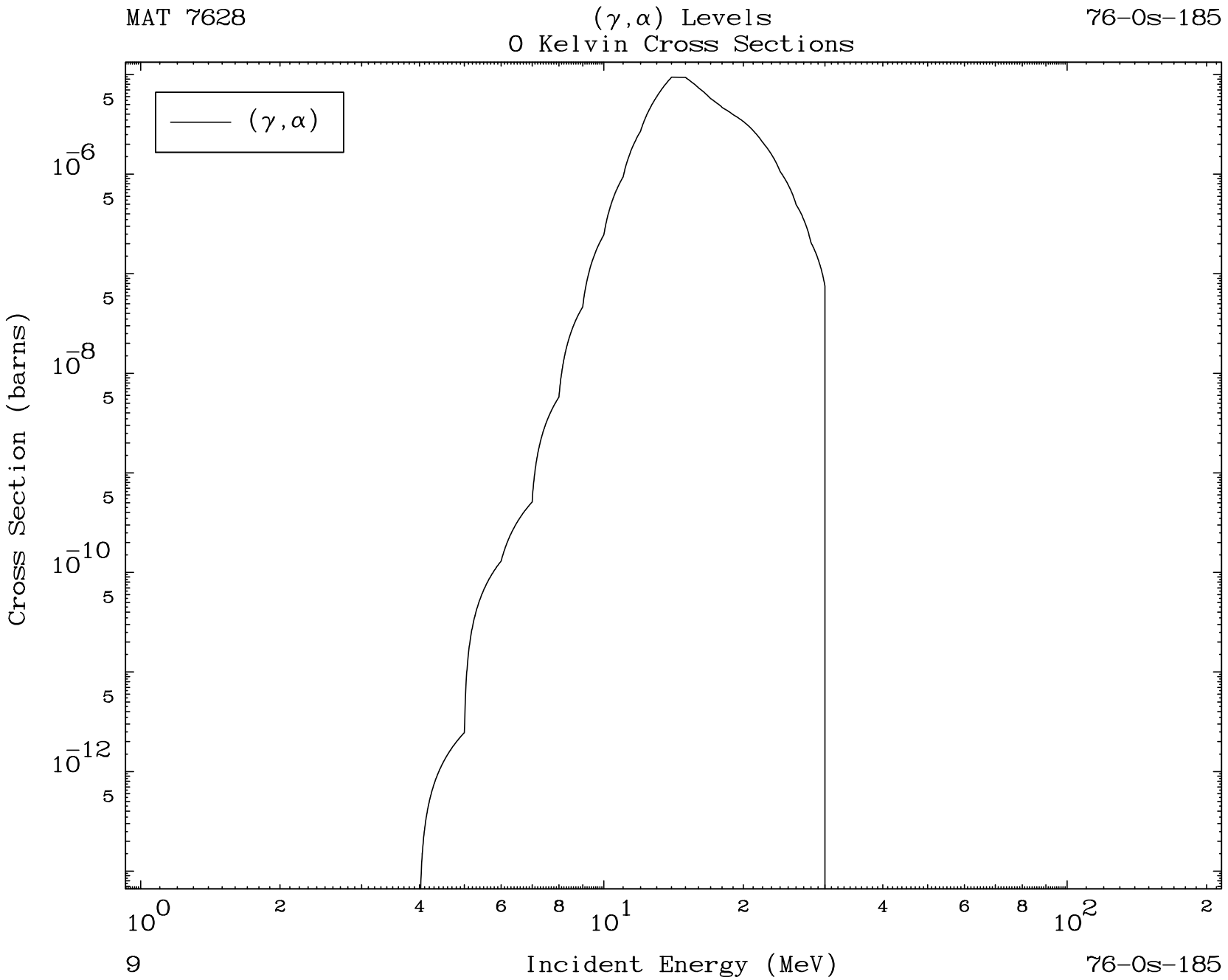

MAT 7628
Photon Charged Particle
0 Kelvin Cross Sections
76-0s-185
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
(γ,2p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
4
76-0s-185

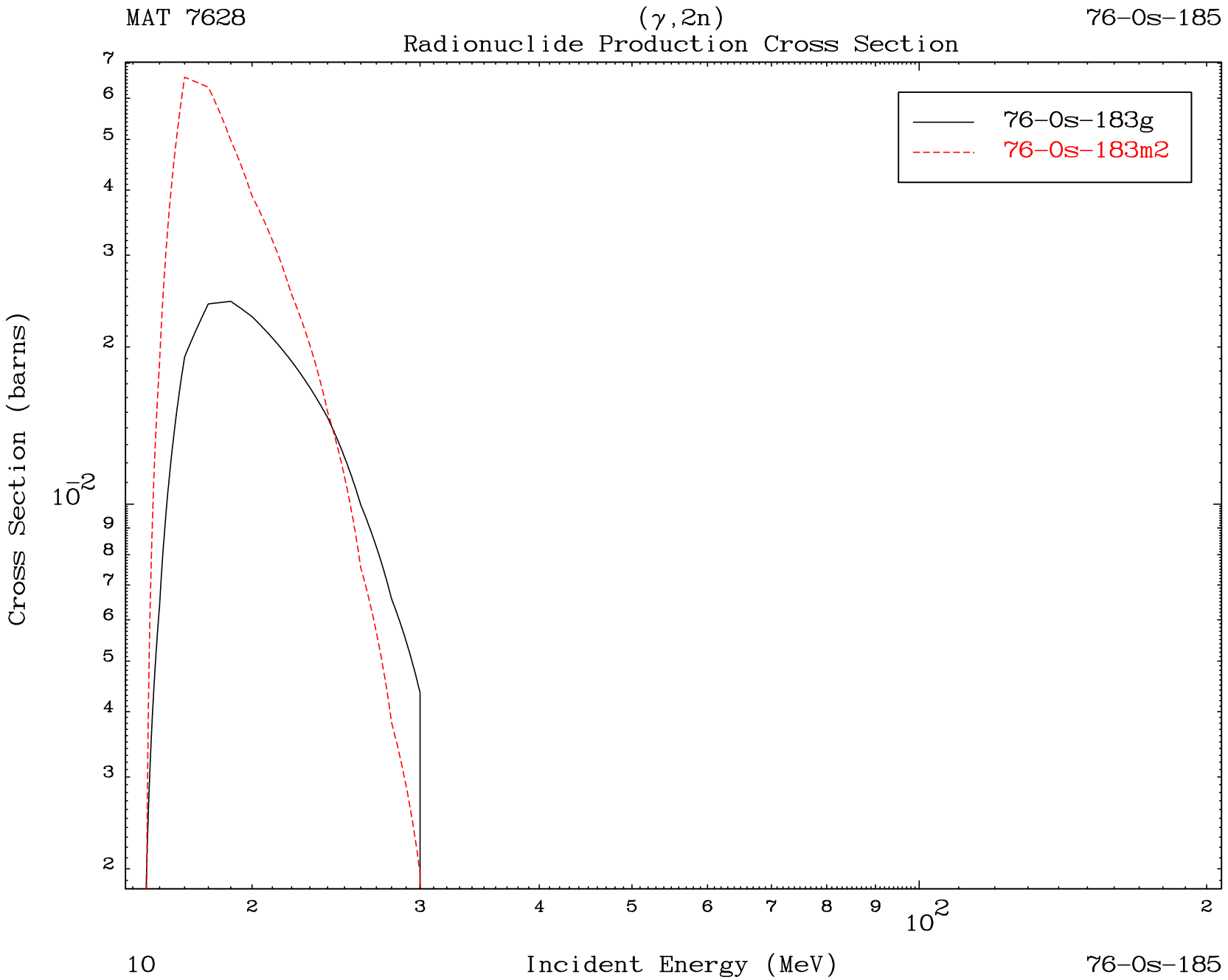

MAT 7628
(γ,n') Level
76-0s-185
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
76-0s-185

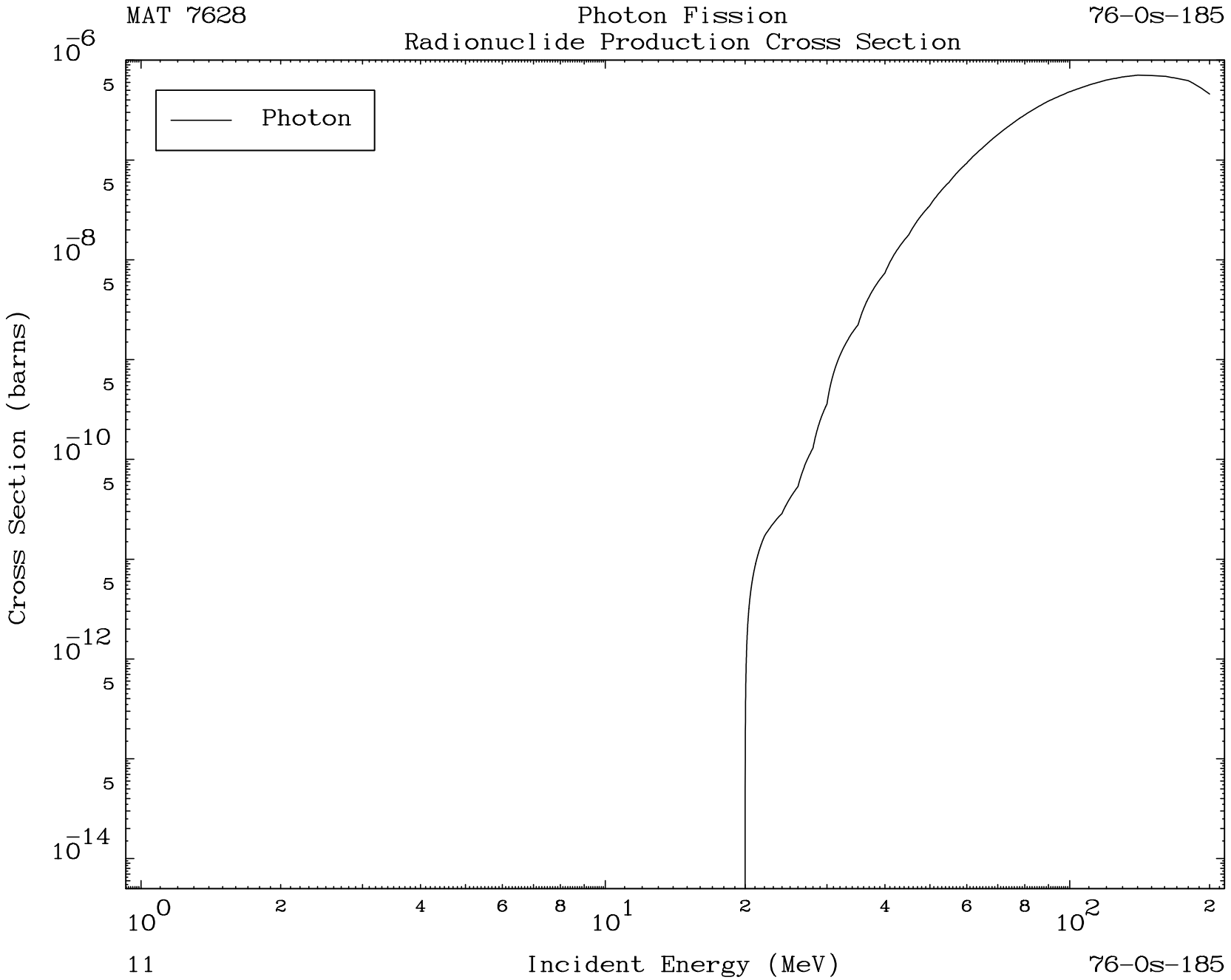

MAT 7628
(γ,p) Levels
76-0s-185
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
76-0s-185

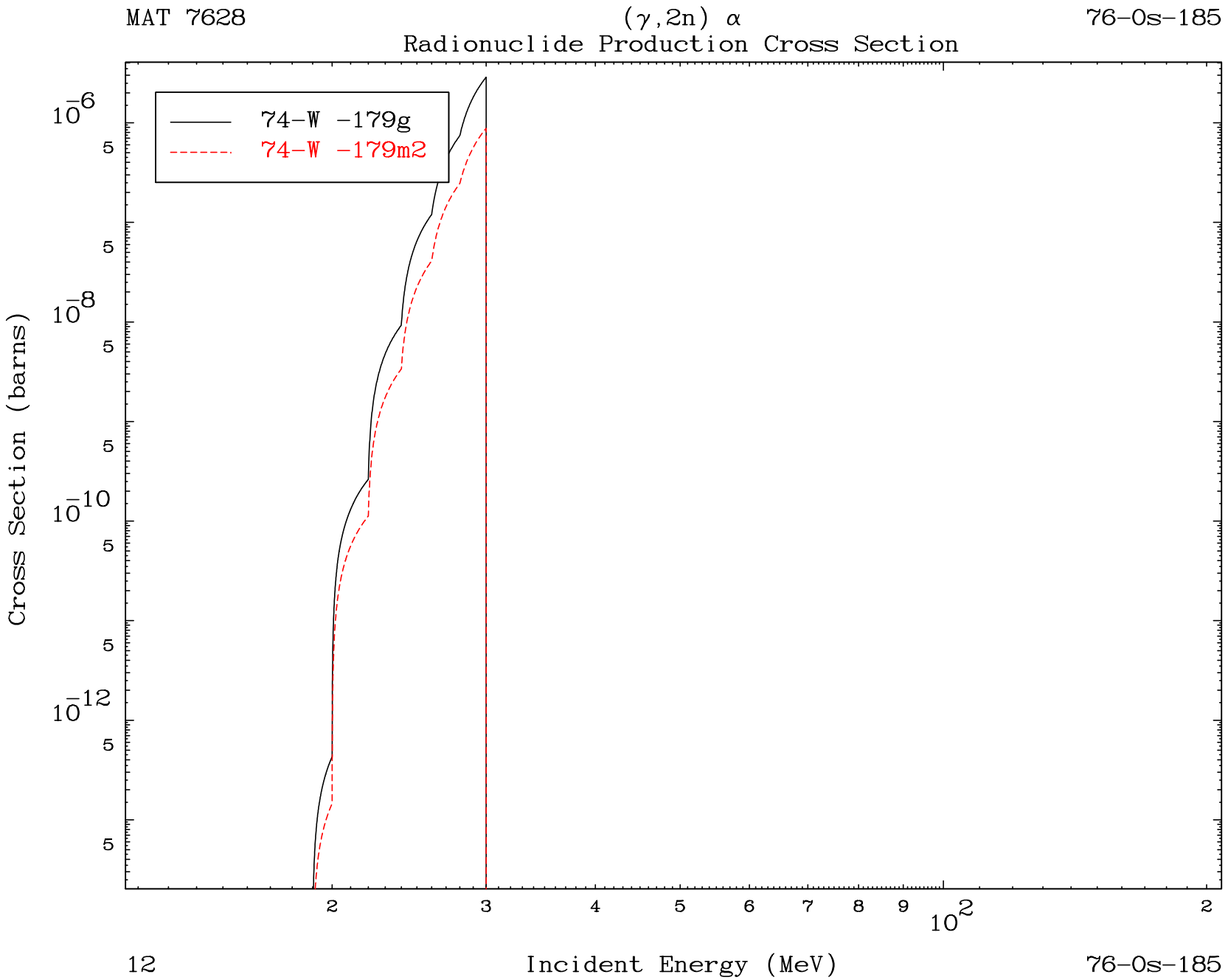

MAT 7628
(γ,d) Levels
76-0s-185
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
76-0s-185

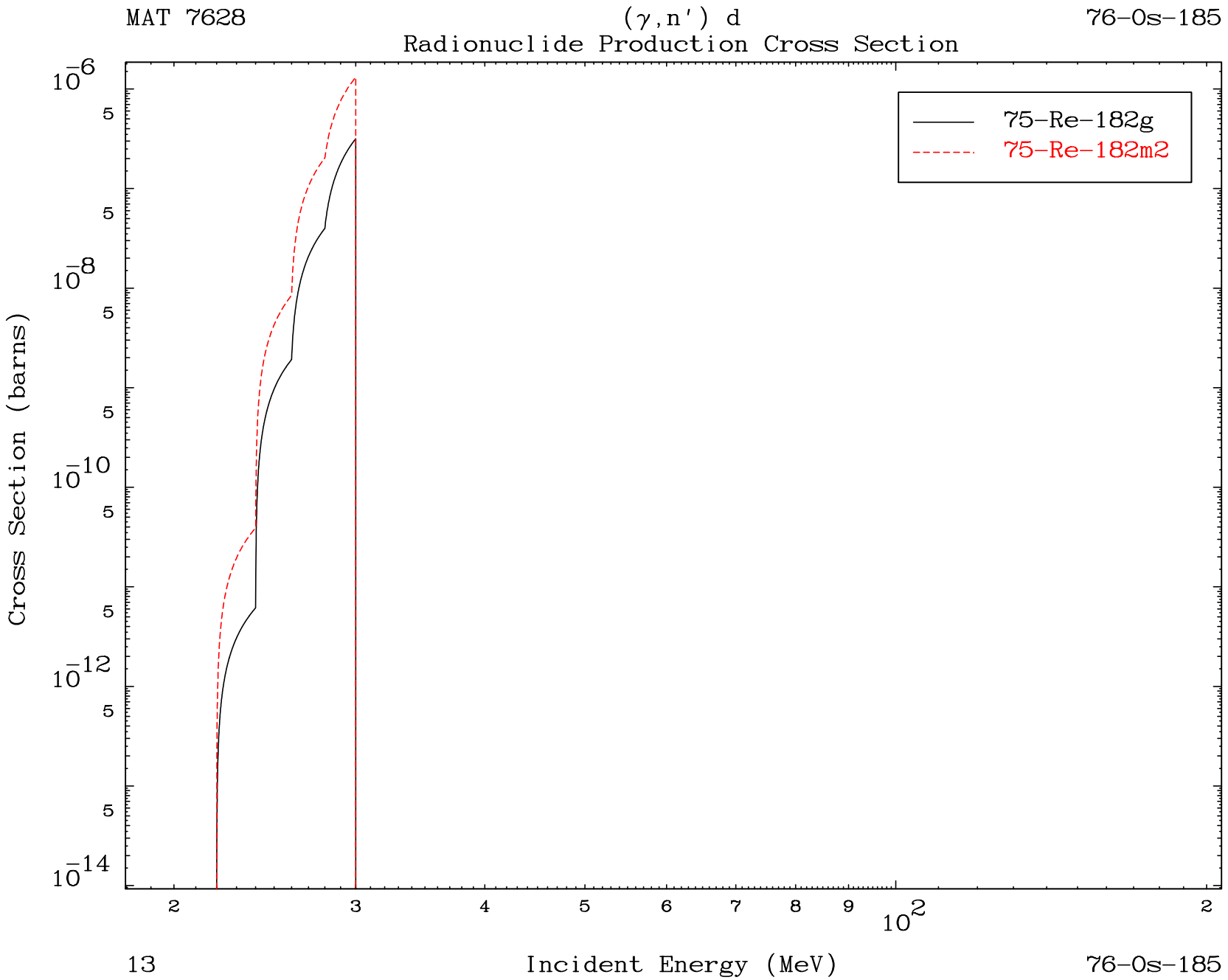

0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

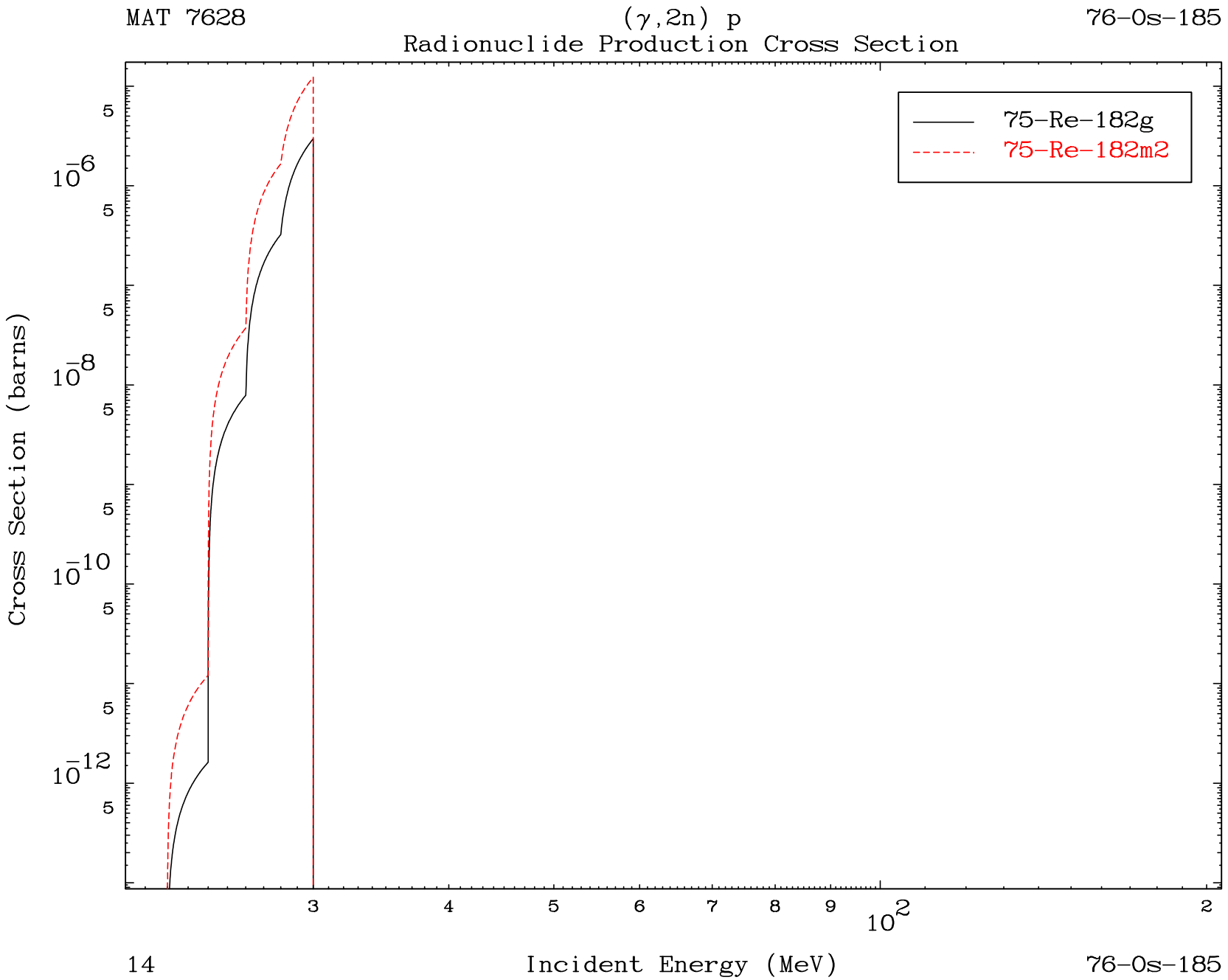

MAT 7628
(γ,α) Levels
76-0s-185
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
100
2
4
6
8
101
102
Incident Energy (MeV)
9
76-0s-185

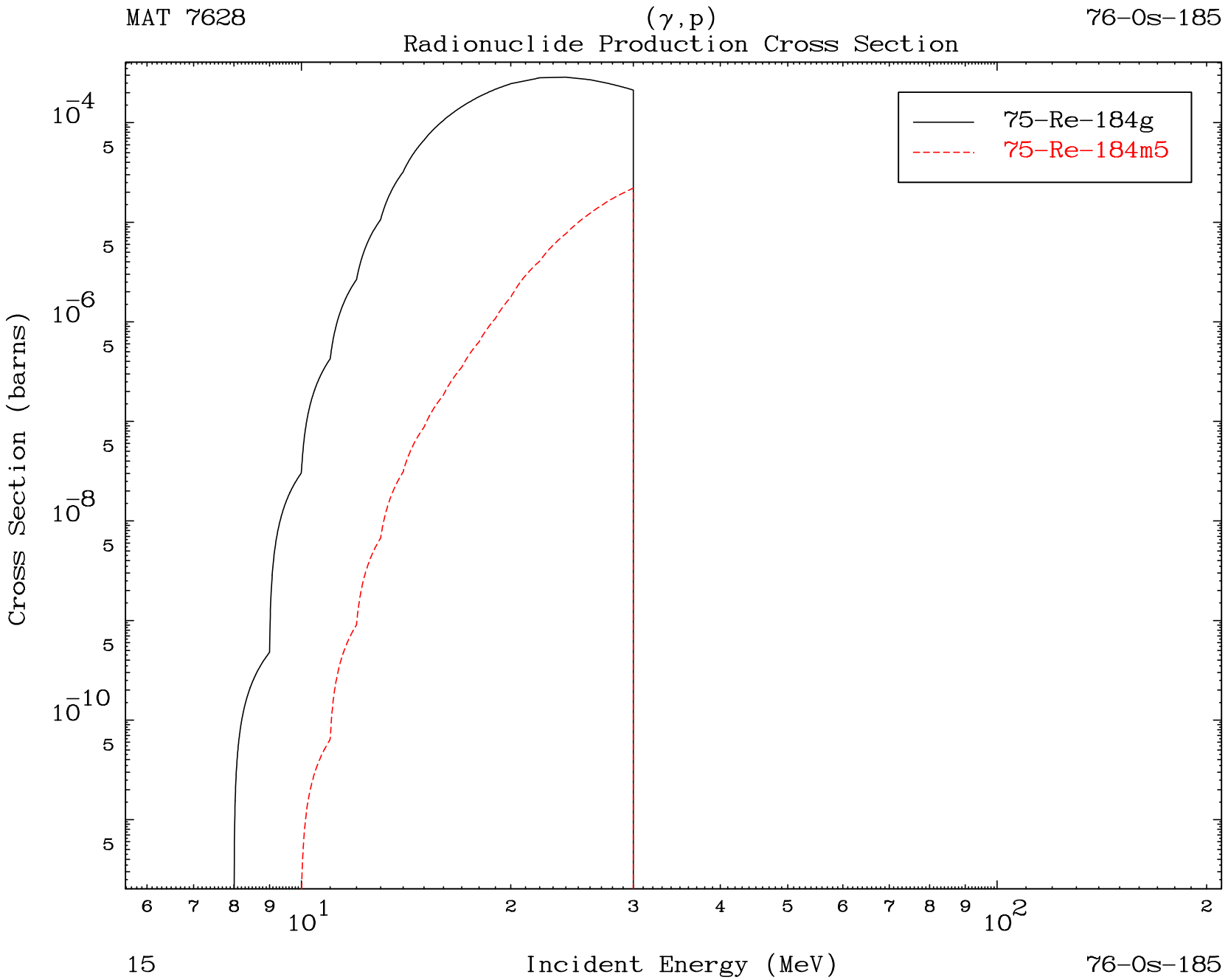

MAT 7628
(γ,2n)
76-0s-185
Radionuclide Production Cross Section
76-0s-183g
76-0s-183m2
Cross Section (barns)
10
Incident Energy (MeV)
76-0s-185

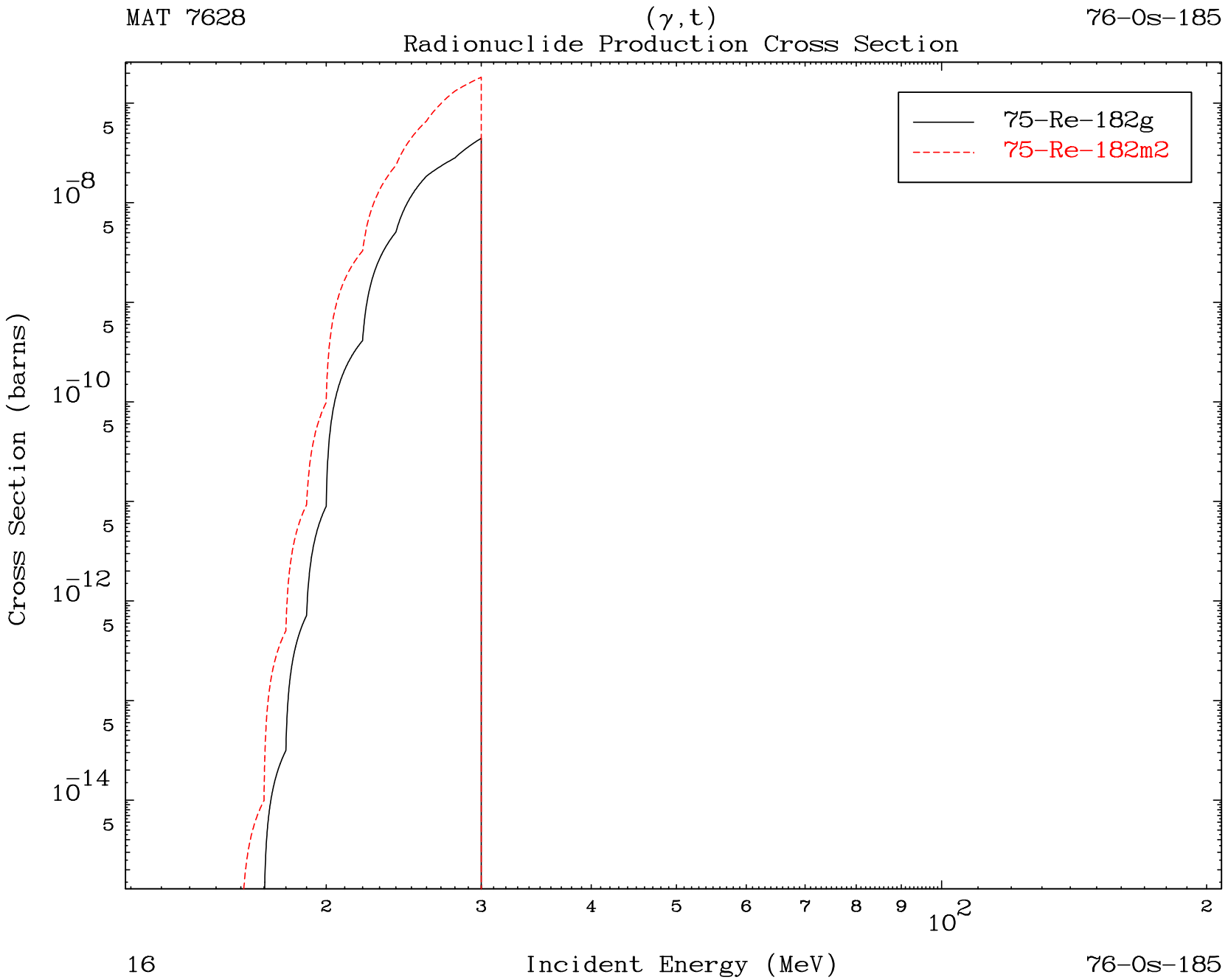

MAT 7628
Photon Fission
76-0s-185
Radionuclide Production Cross Section
Photon
Cross Section (barns)
Incident Energy (MeV)
11
76-0s-185

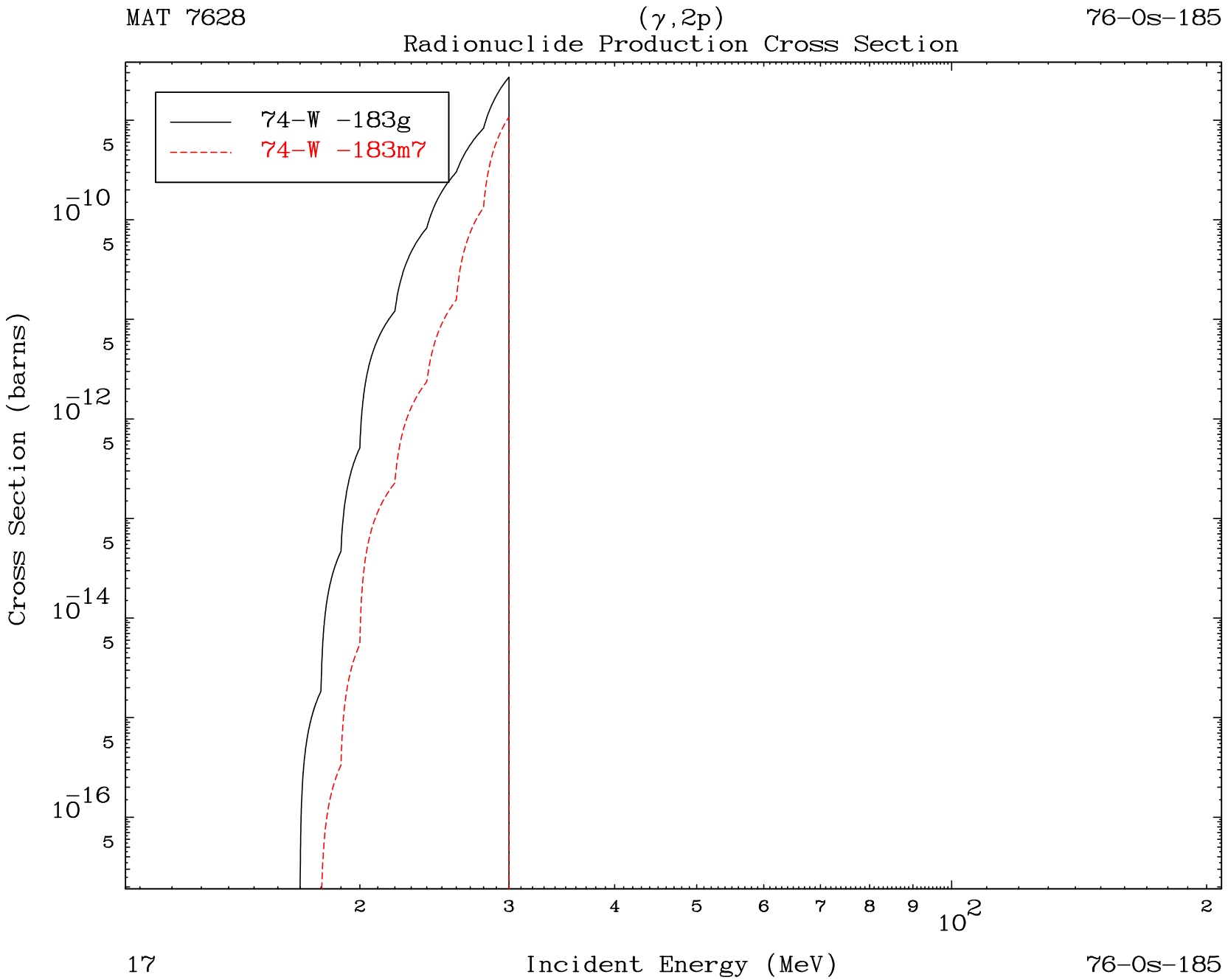

MAT 7628
(γ,2n) α
76-0s-185
Radionuclide Production Cross Section
74-W -179g
74-W -179m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
76-0s-185


MAT 7628
(γ,n') d
76-0s-185
Radionuclide Production Cross Section
75-Re-182g
75-Re-182m2
Cross Section (barns)
10-6
10-8
10-10
10-12
10-14
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
76-0s-185


MAT 7628
(γ,2n) p
76-Os-185
Radionuclide Production Cross Section
75-Re-182g
75-Re-182m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
76-Os-185


MAT 7628
(γ,p)
76-0s-185
Radionuclide Production Cross Section
75-Re-184g
75-Re-184m5
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
15
76-0s-185


MAT 7628
(γ,t)
76-0s-185
Radionuclide Production Cross Section
75-Re-182g
75-Re-182m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
16
76-0s-185


MAT 7628
(γ,2p)
76-0s-185
Radionuclide Production Cross Section
74-W -183g
74-W -183m7
Cross Section (barns)
10-10
10-12
10-14
10-16
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
76-0s-185