Program EVALPLOT
(Version 2018-1)
by
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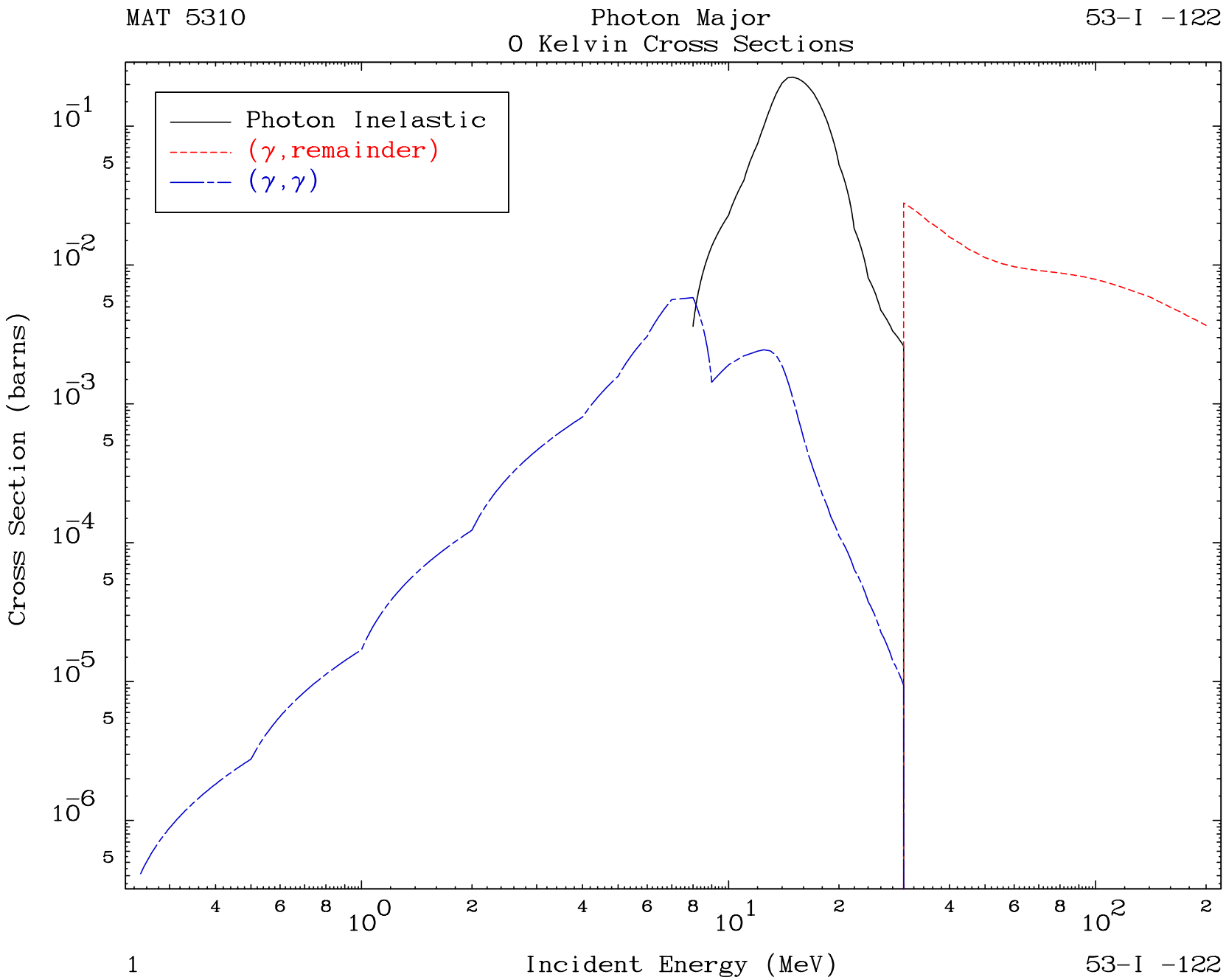
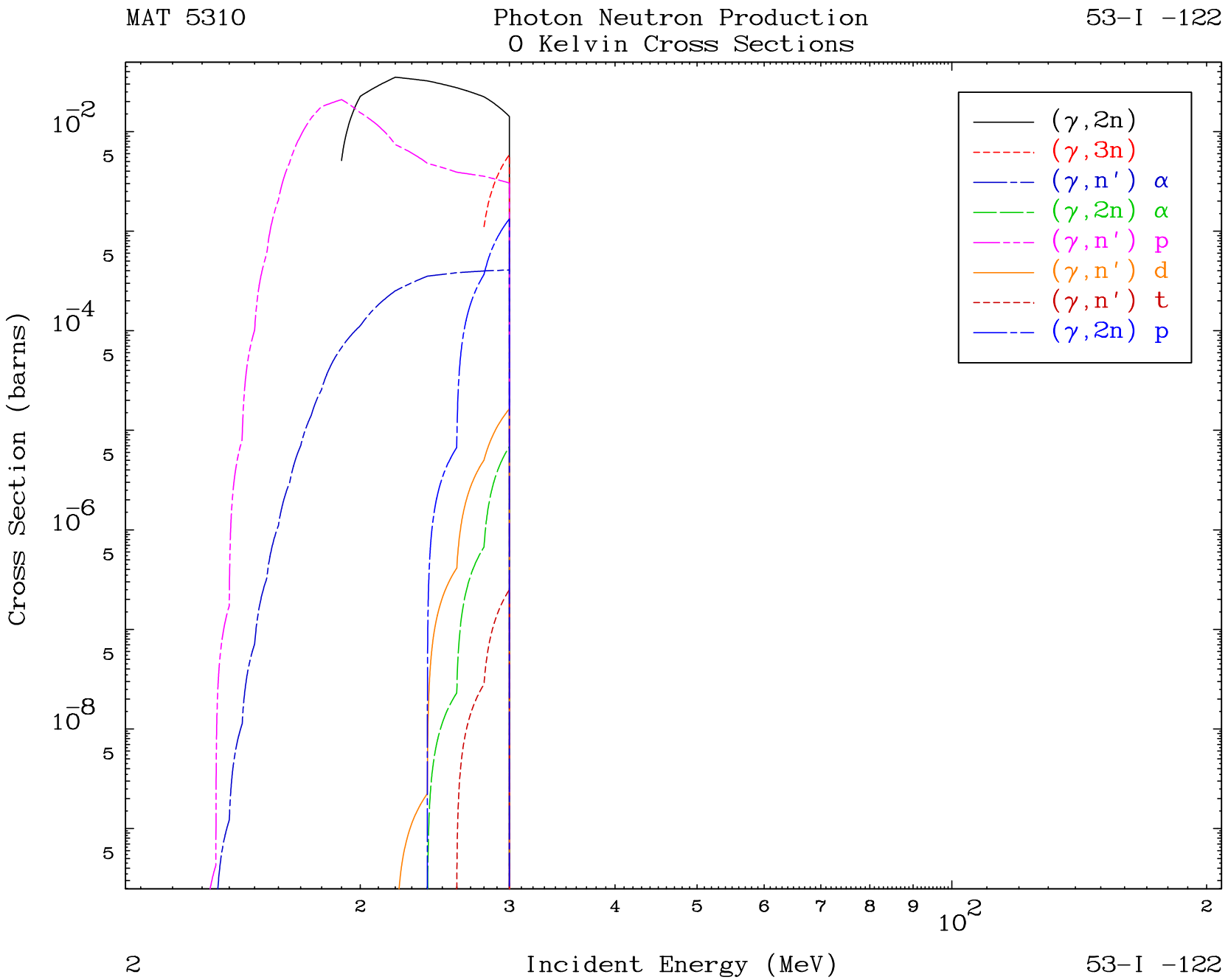
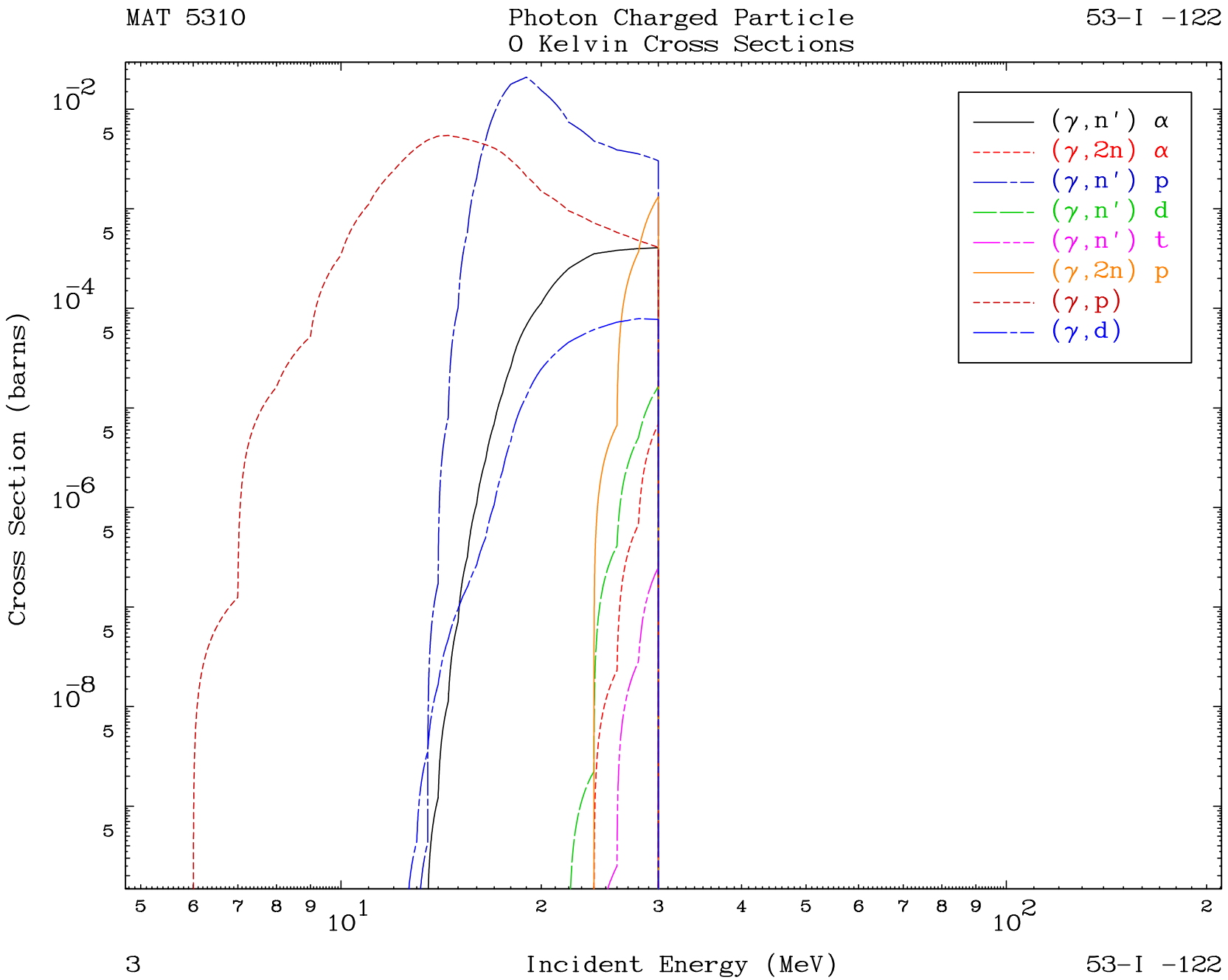
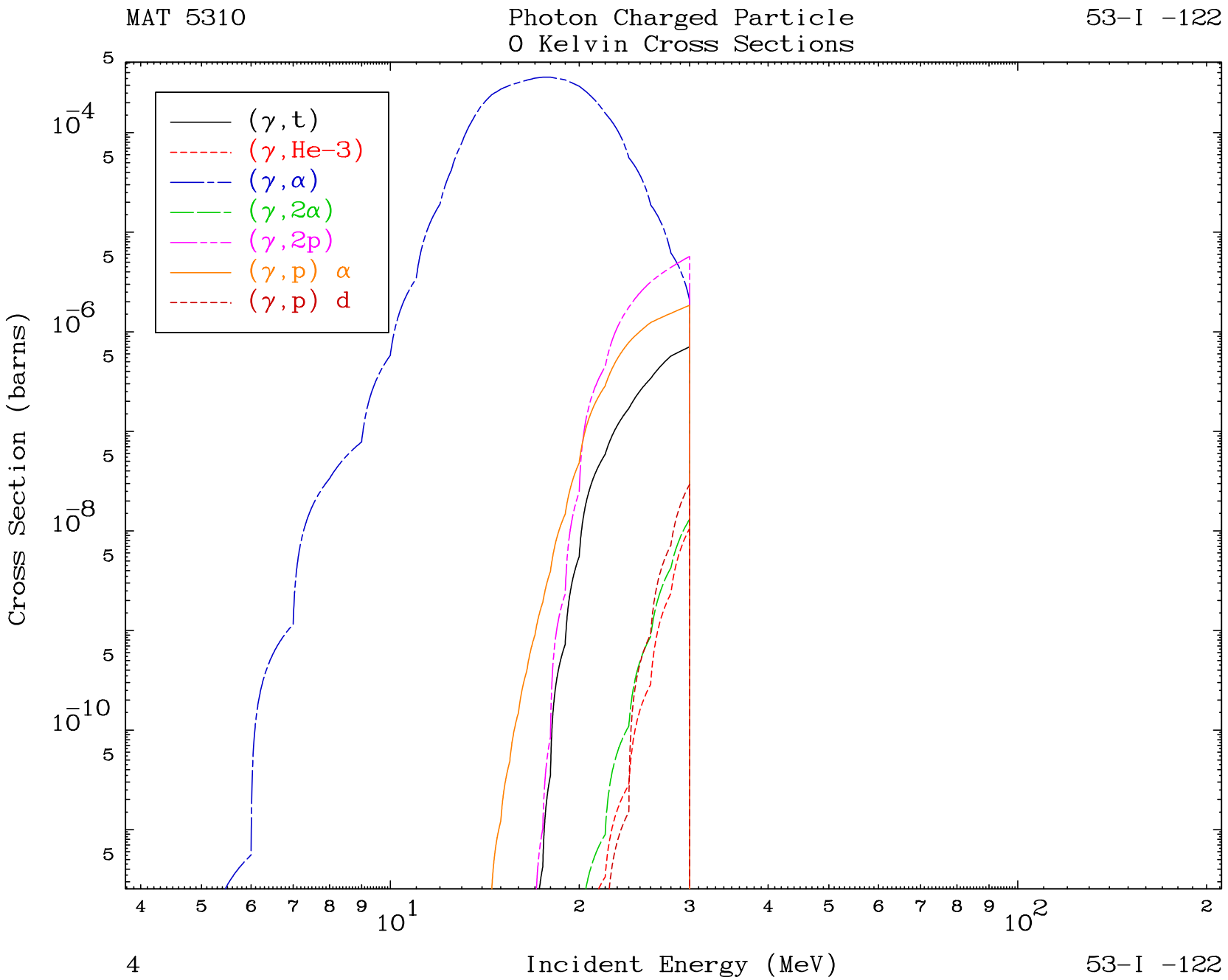
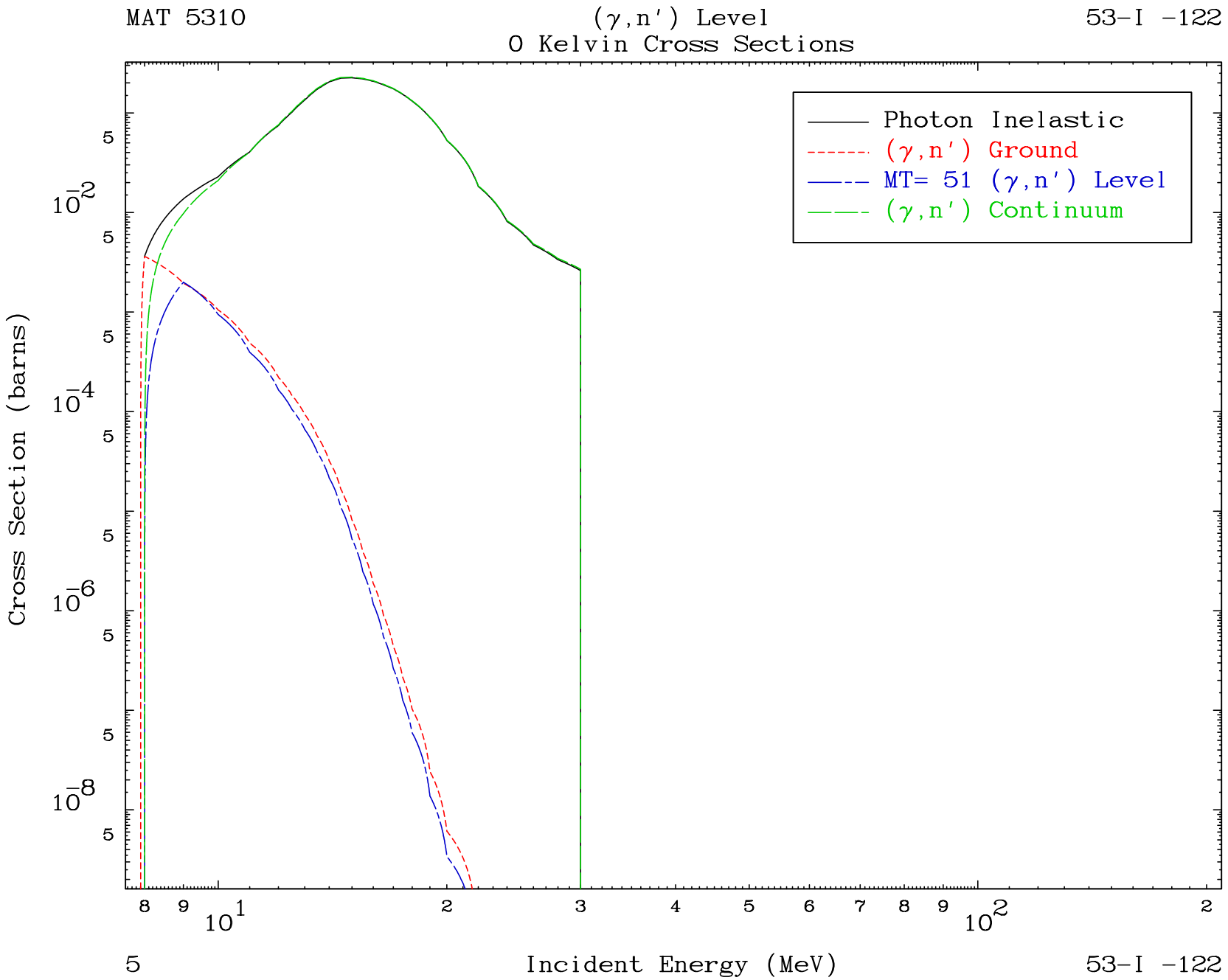
Press Mouse Button to Start

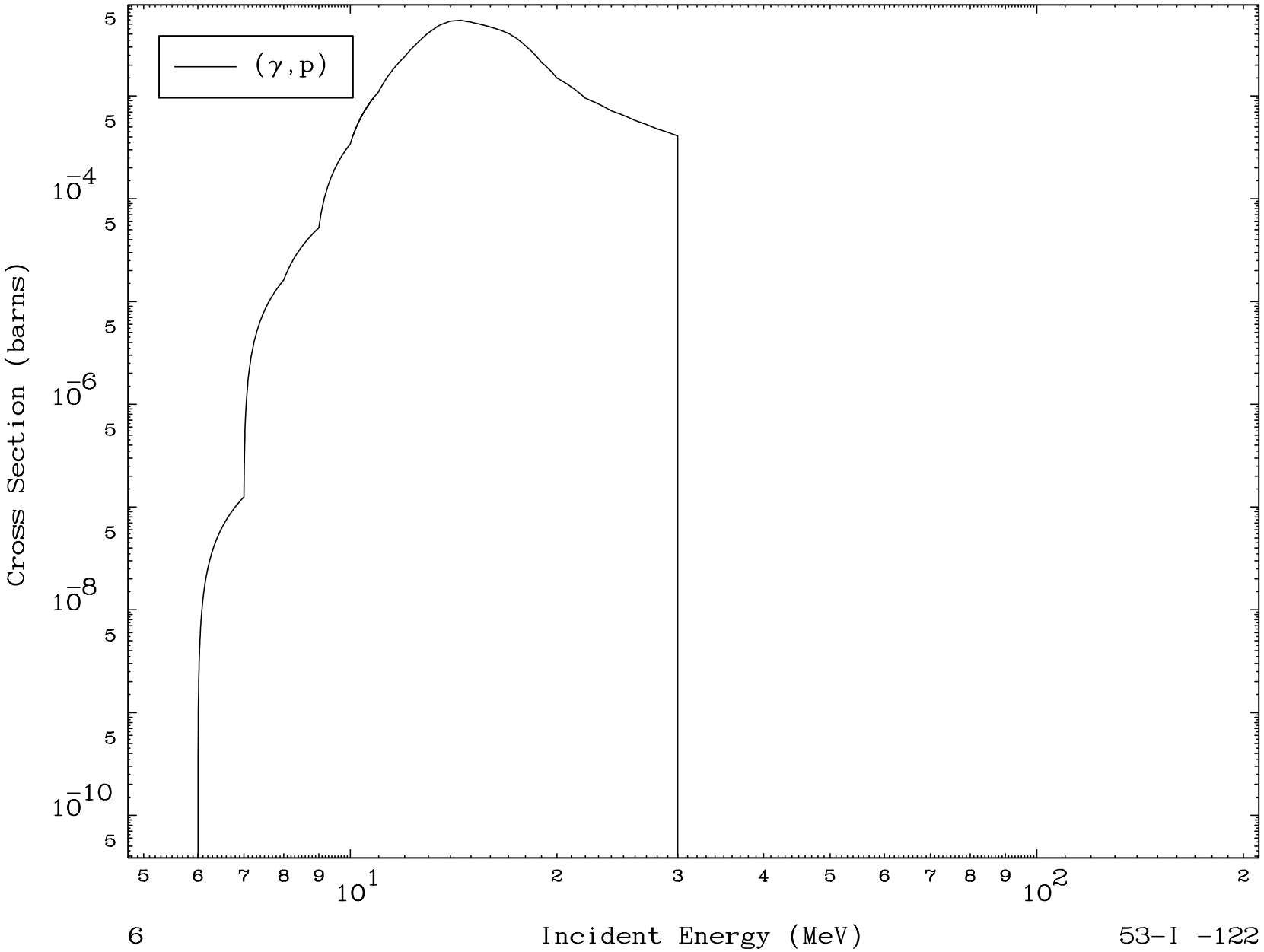

MAT 5310
Photon Major
53-I -122
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
1
53-I -122

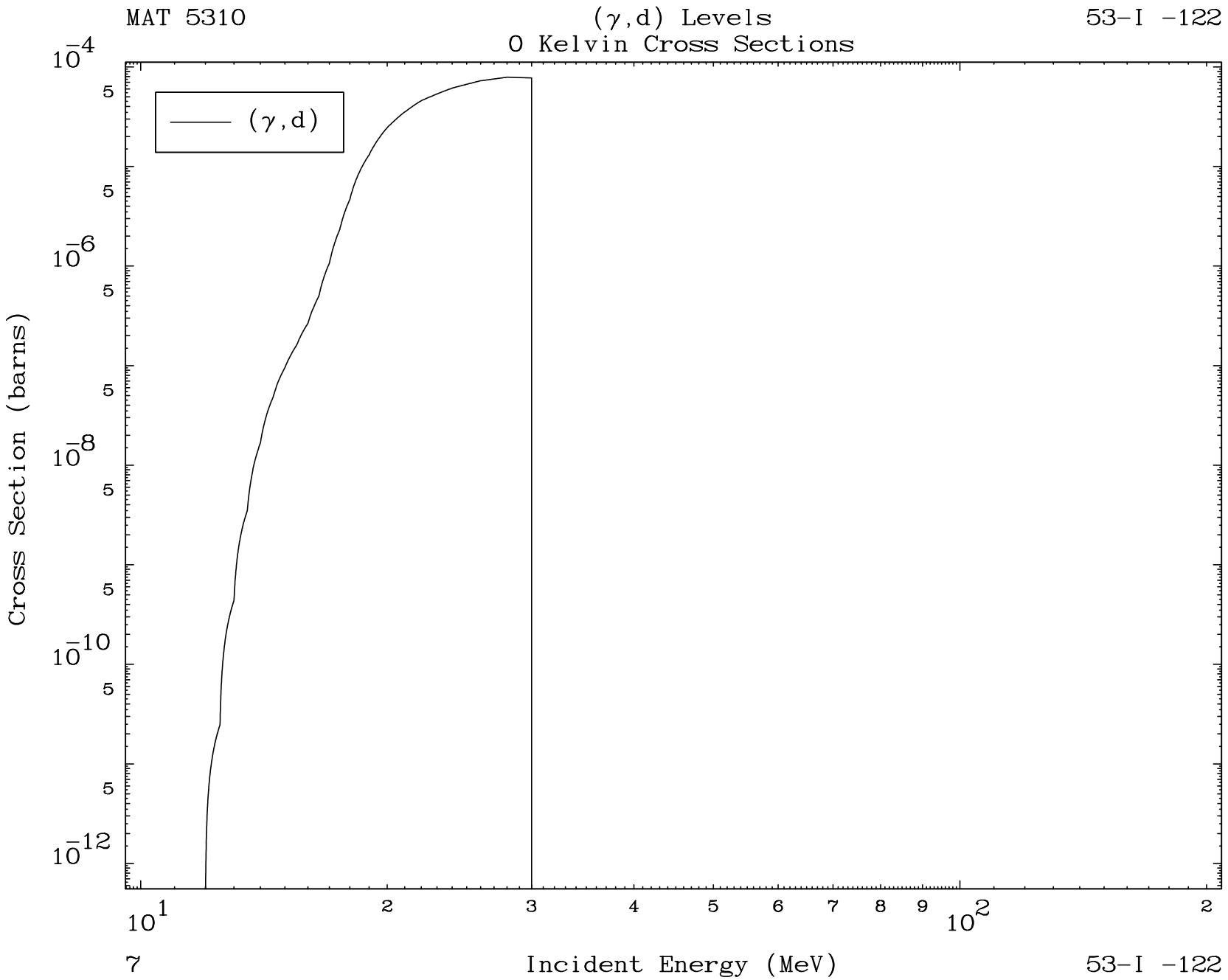

MAT 5310
Photon Neutron Production
0 Kelvin Cross Sections
53-I -122
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
2
53-I -122

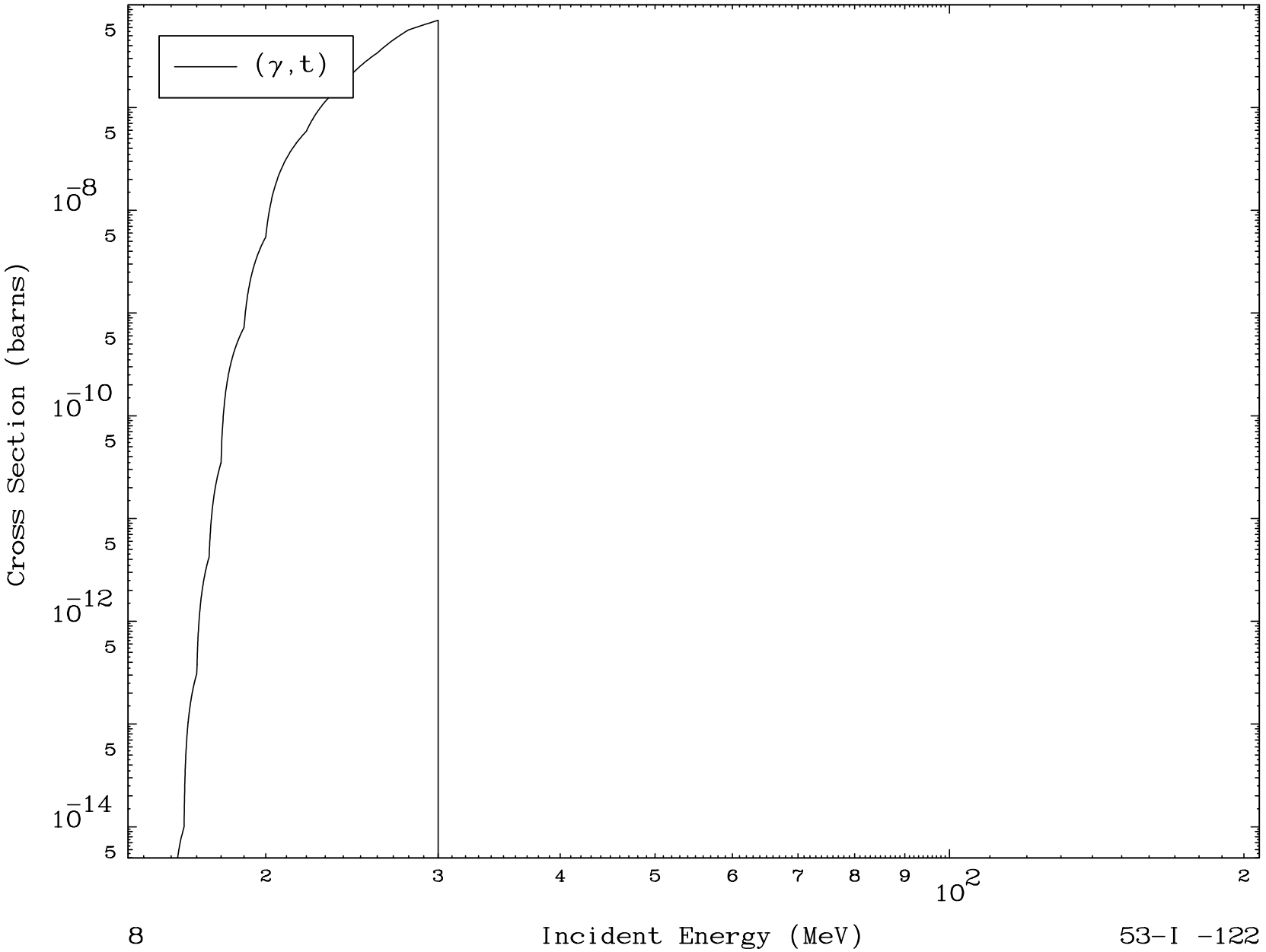

MAT 5310
Photon Charged Particle
0 Kelvin Cross Sections
53-I -122
Cross Section (barns)
Incident Energy (MeV)
3
53-I -122
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)

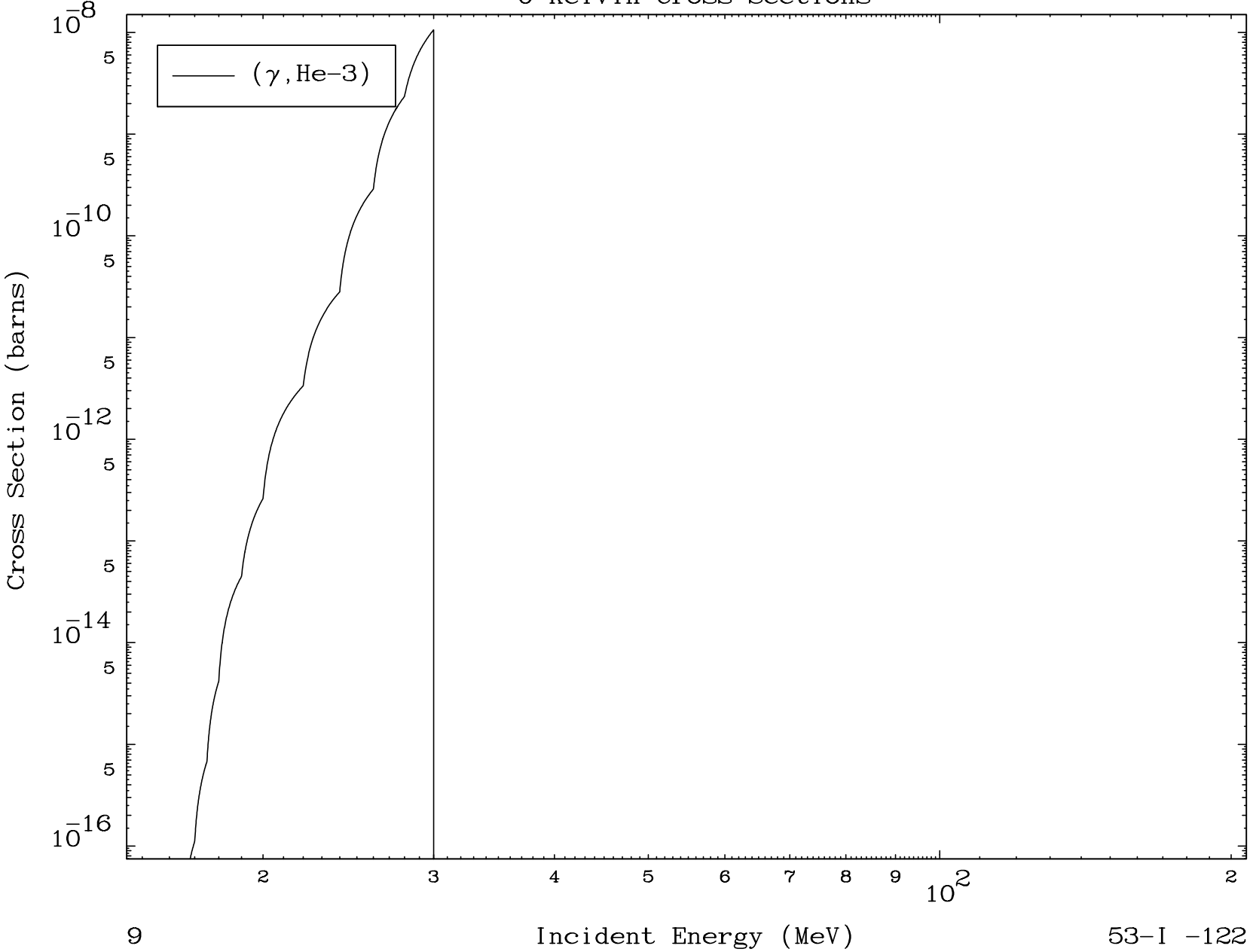

MAT 5310
Photon Charged Particle
0 Kelvin Cross Sections
53-I -122
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
Cross Section (barns)
Incident Energy (MeV)
53-I -122
4

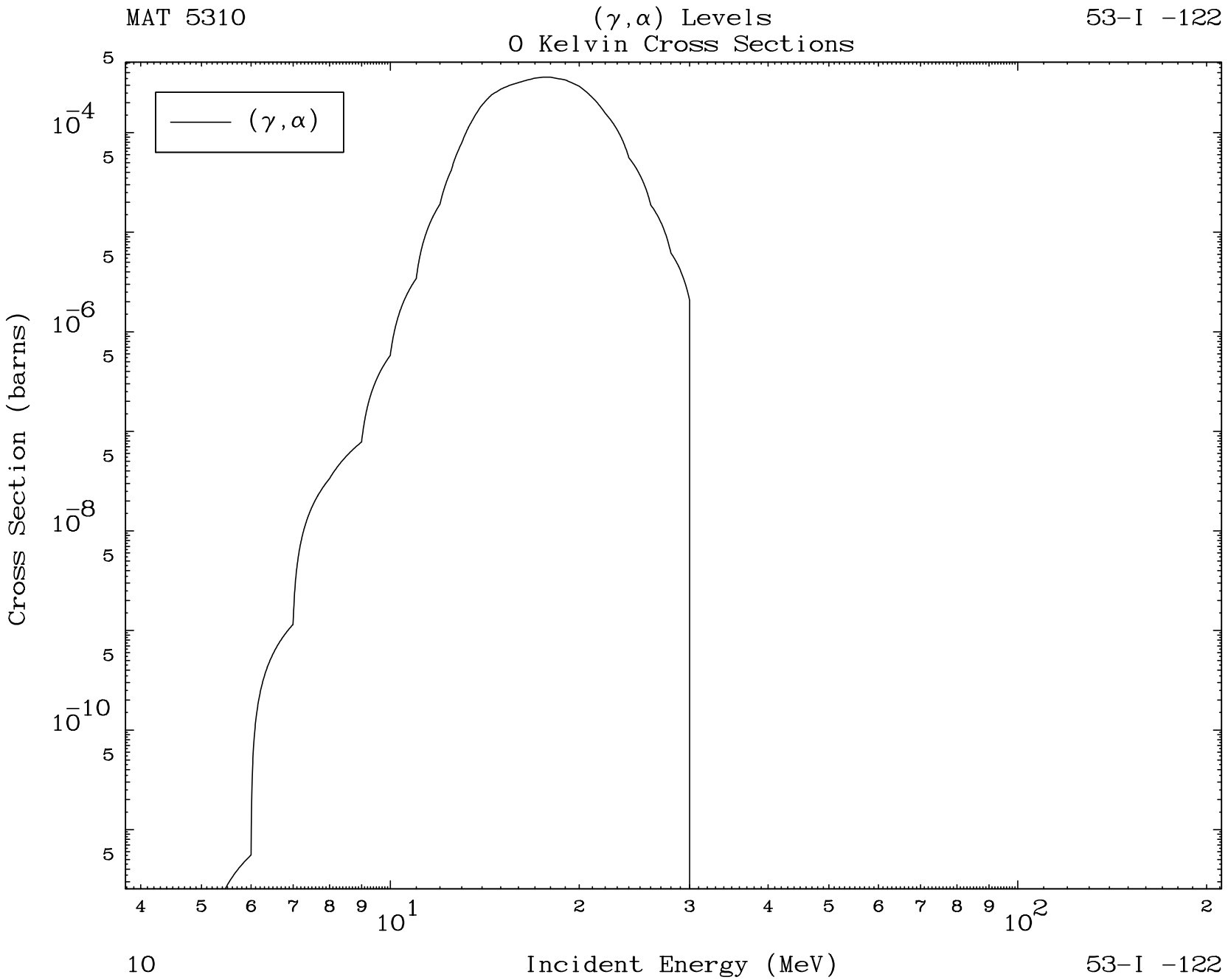

MAT 5310
(γ,n') Level
53-I -122
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
5
Incident Energy (MeV)
53-I -122

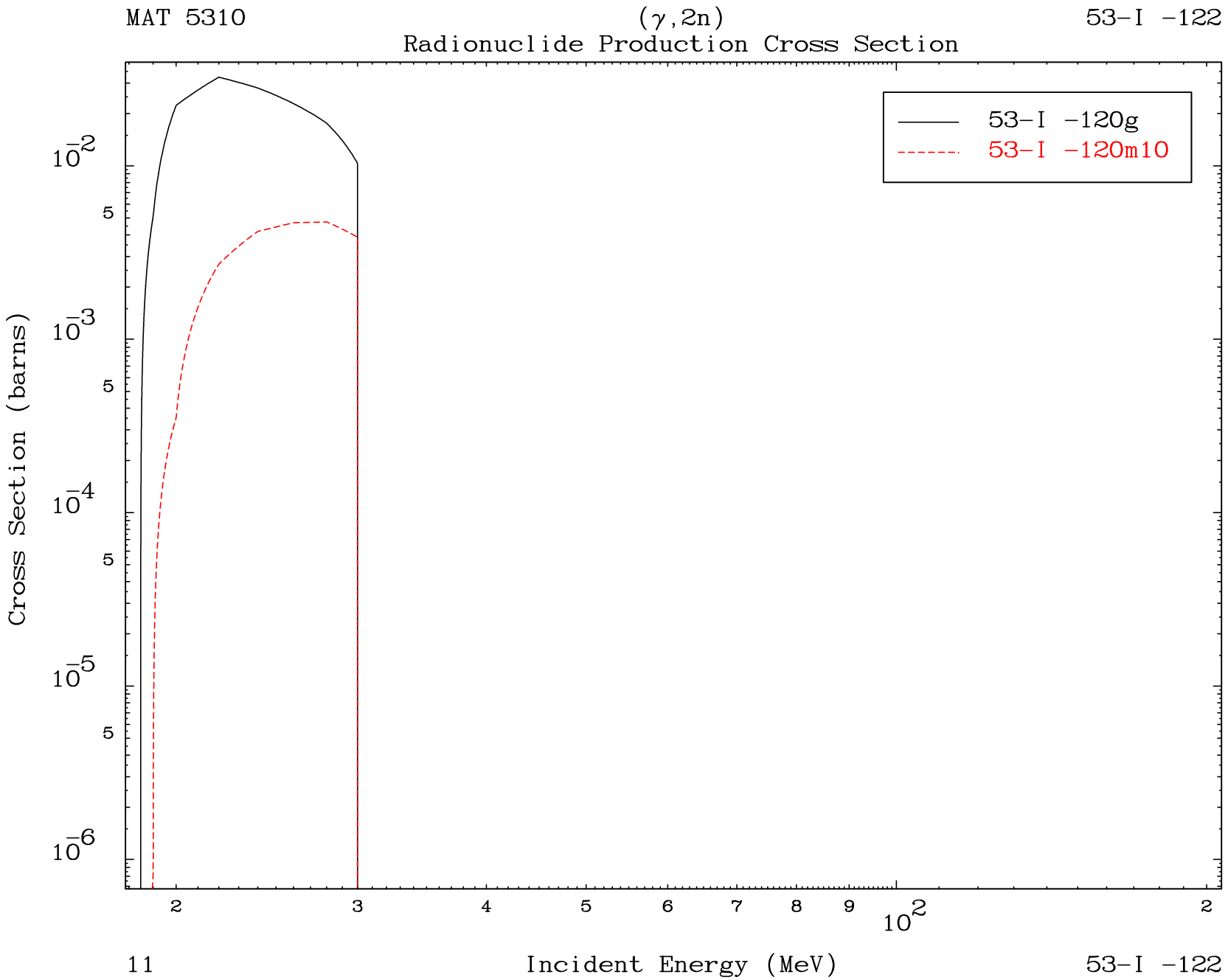

0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10⁻⁴
10⁻⁶
10⁻⁸
10⁻¹⁰
5 6 7 8 9 10¹ 2 3 4 5 6 7 8 9 10² 2
Incident Energy (MeV)

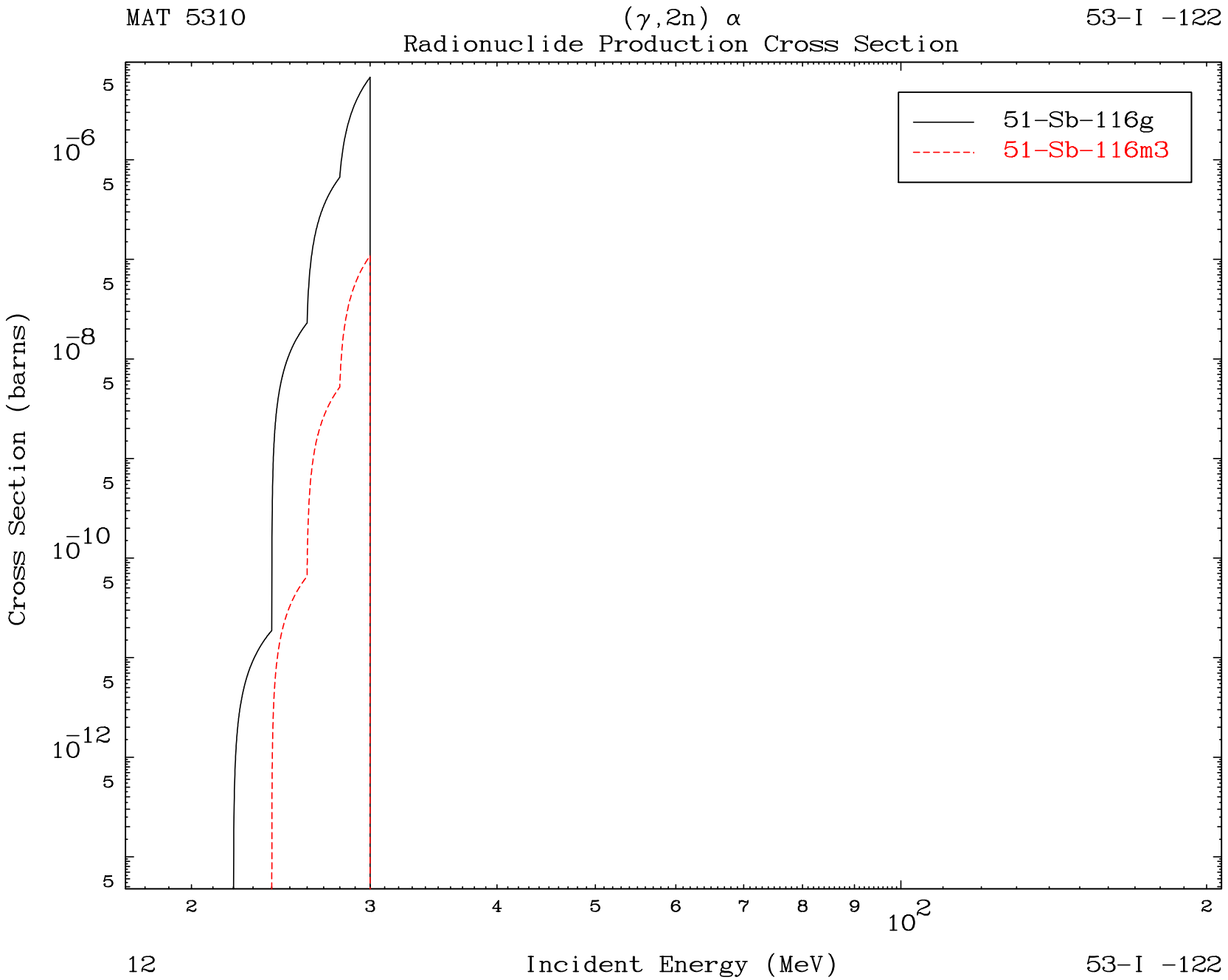

MAT 5310
(γ,d) Levels
53-I -122
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
Incident Energy (MeV)
53-I -122
7

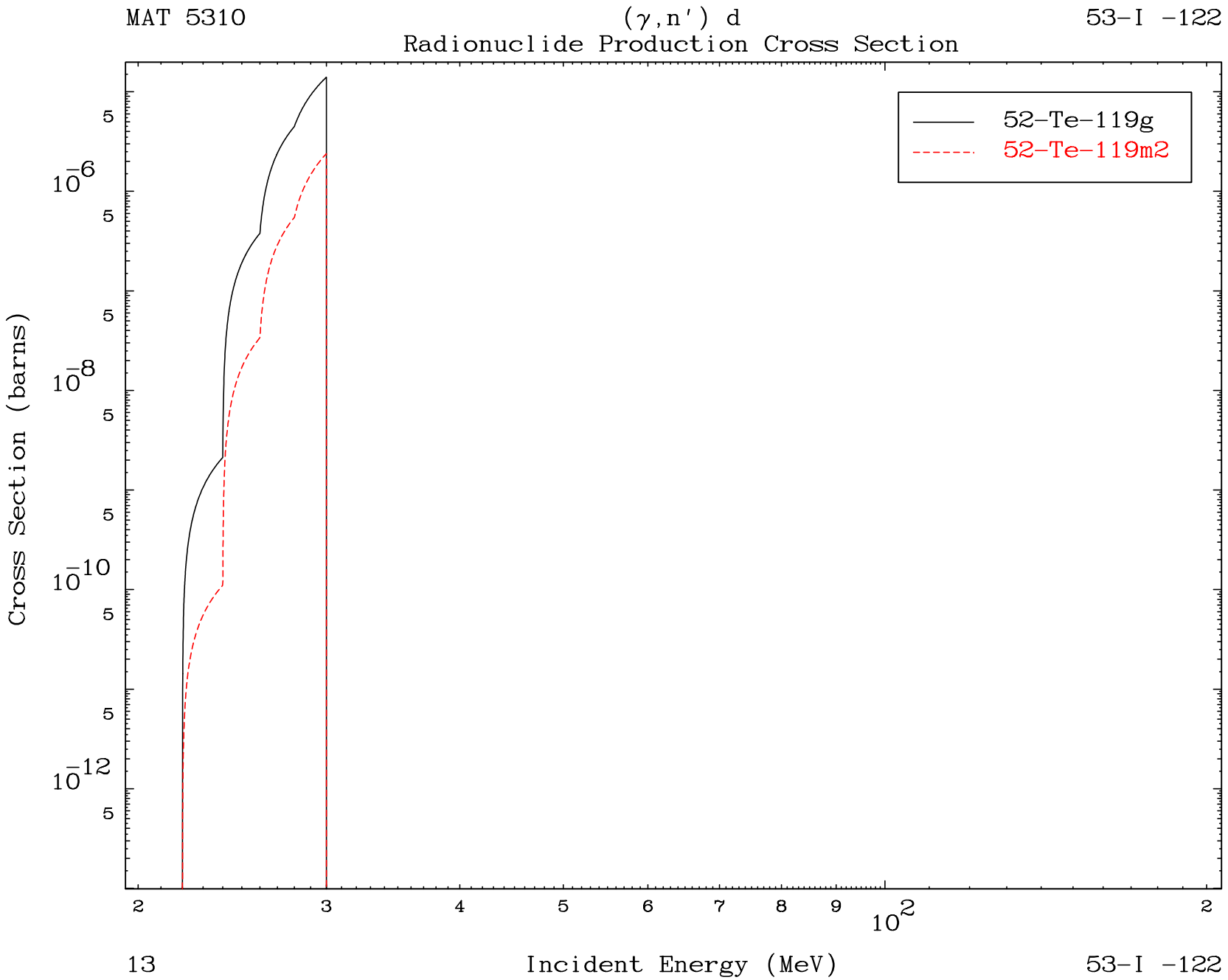

0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
5
5
10-8
5
5
10-10
5
5
10-12
5
5
10-14
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

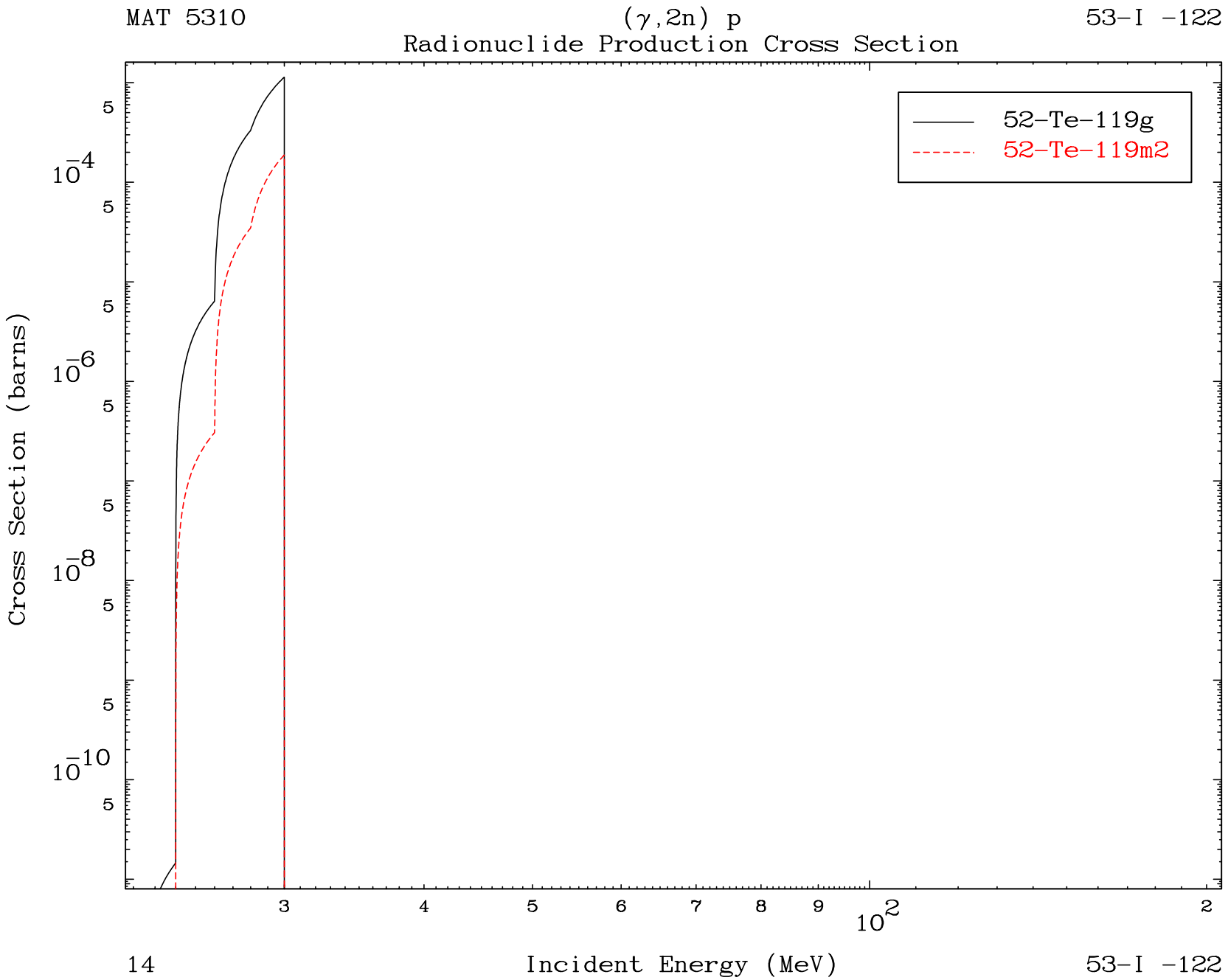

0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10^-8
5
10^-10
5
10^-12
5
10^-14
5
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

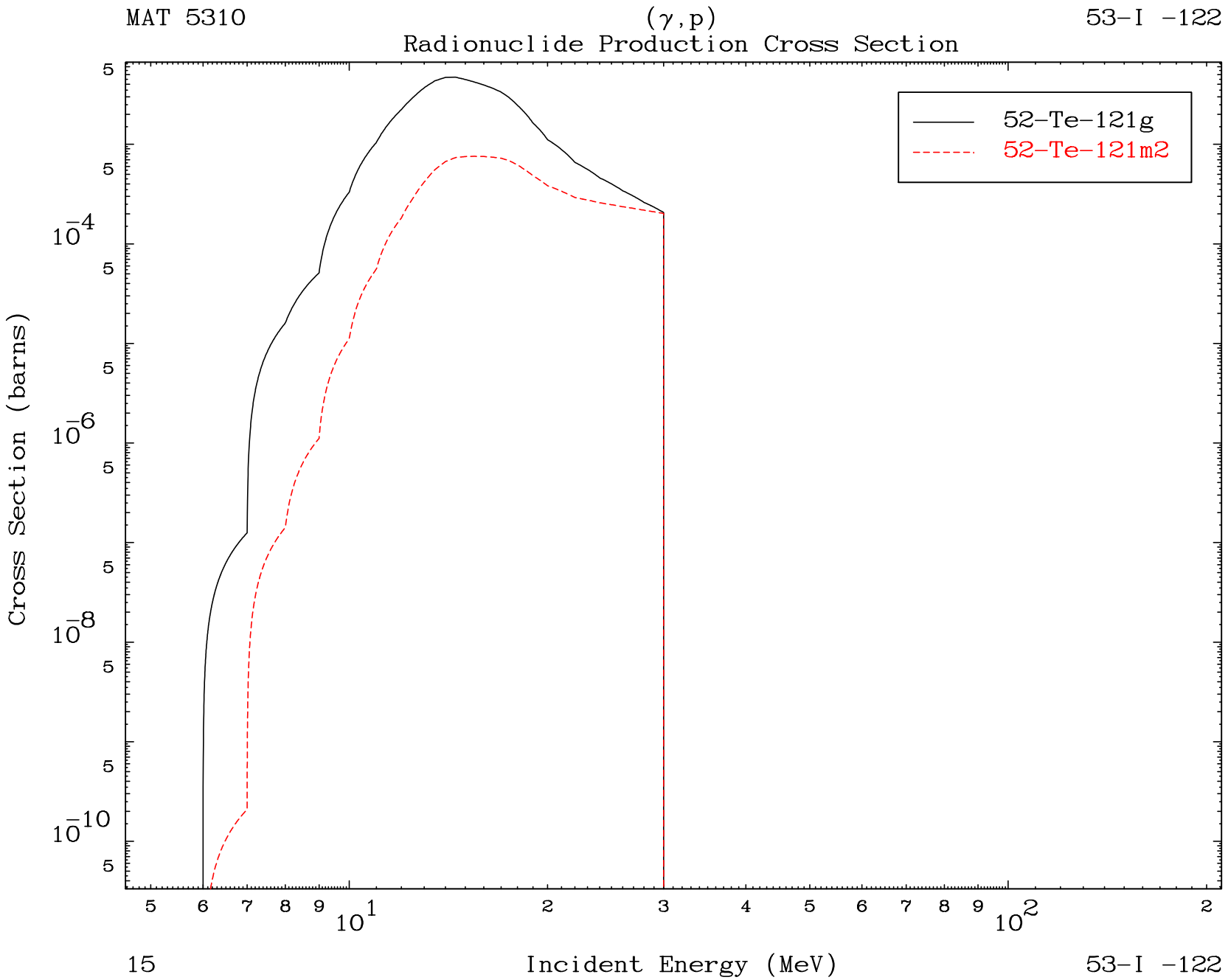

MAT 5310
(γ,α) Levels
53-I -122
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^1
10^2
53-I -122

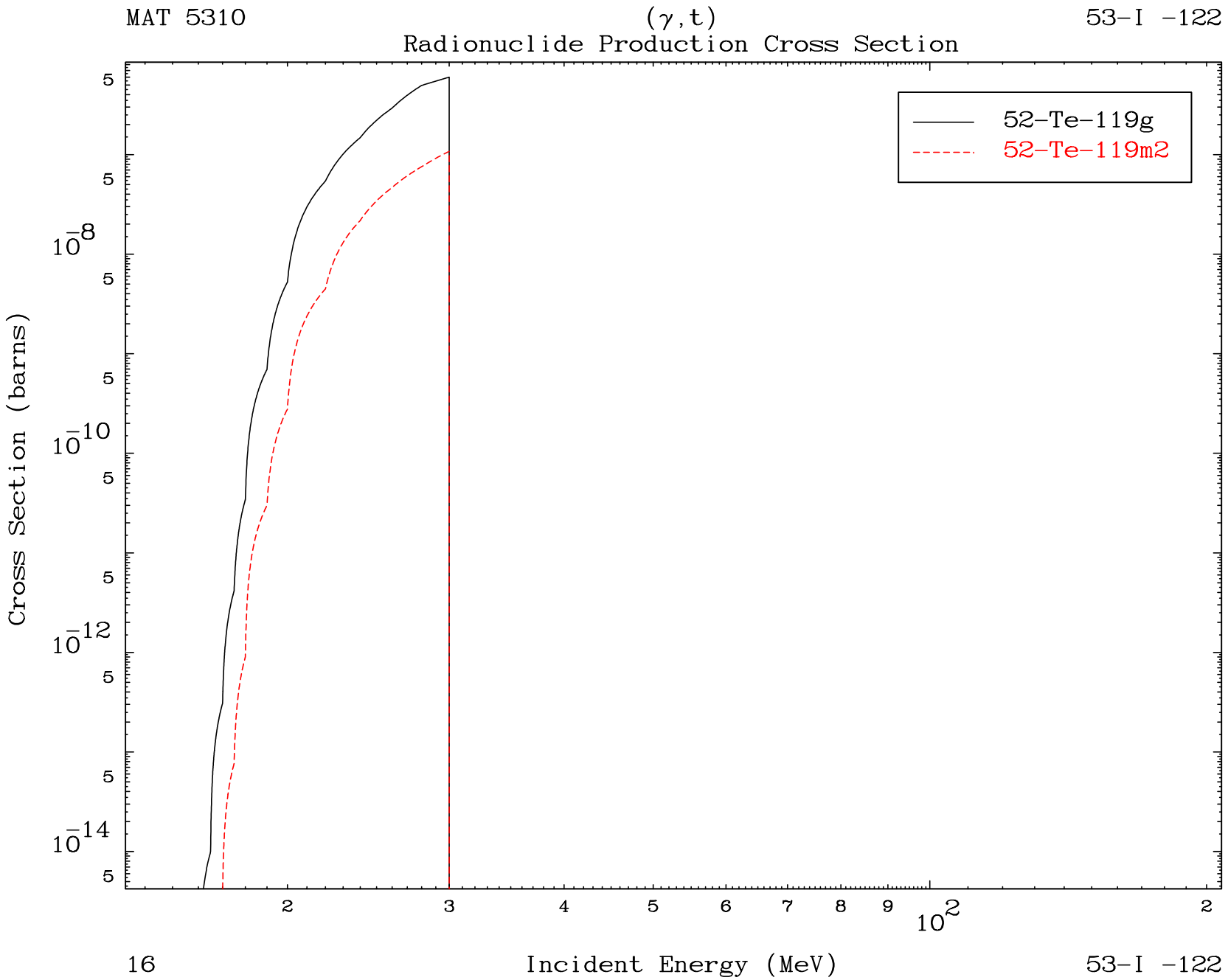

MAT 5310
(γ,2n)
53-I -122
Radionuclide Production Cross Section
53-I -120g
53-I -120m10
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
10-6
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
53-I -122

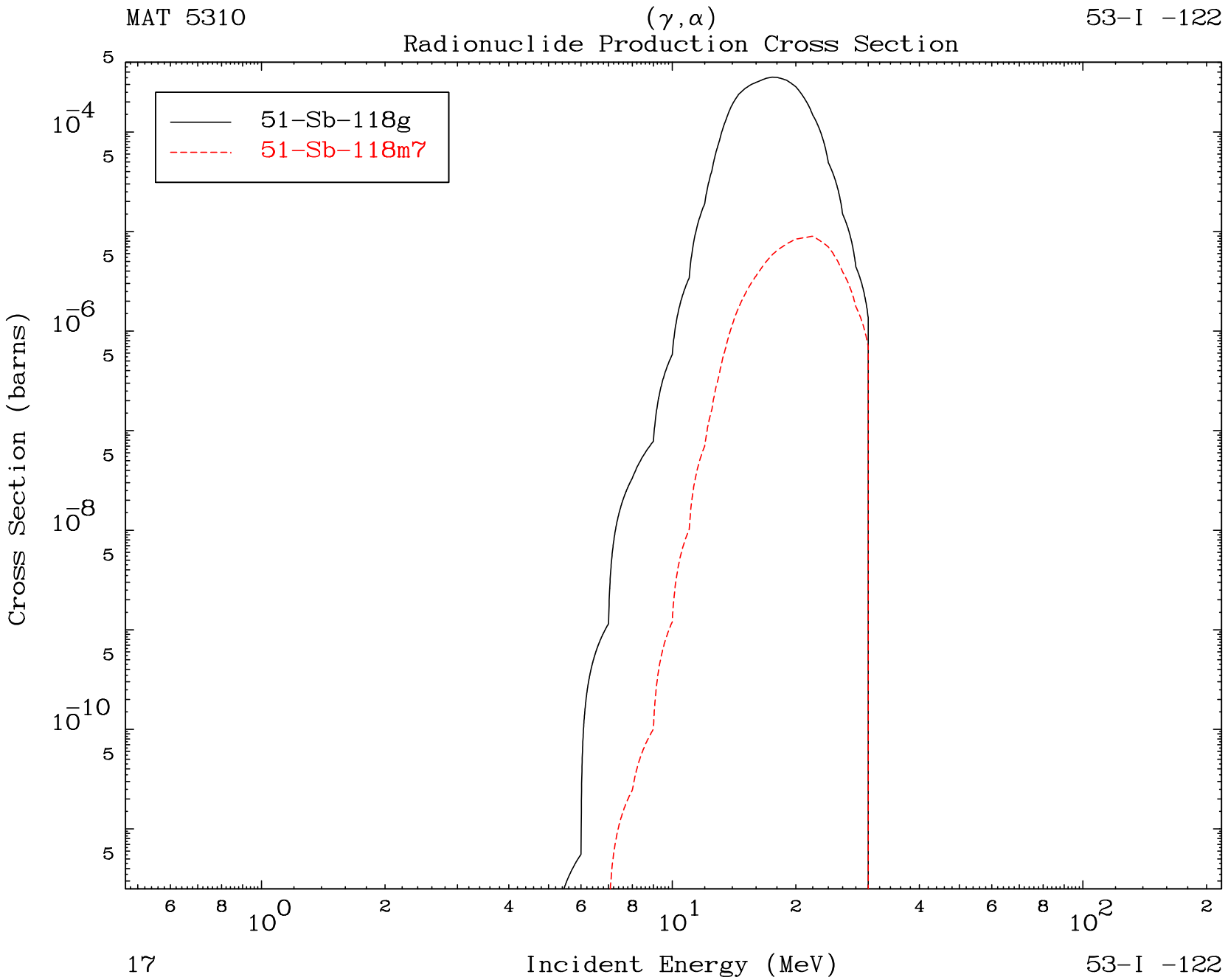

MAT 5310
(γ,2n) α
53-I -122
Radionuclide Production Cross Section
51-Sb-116g
51-Sb-116m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
53-I -122

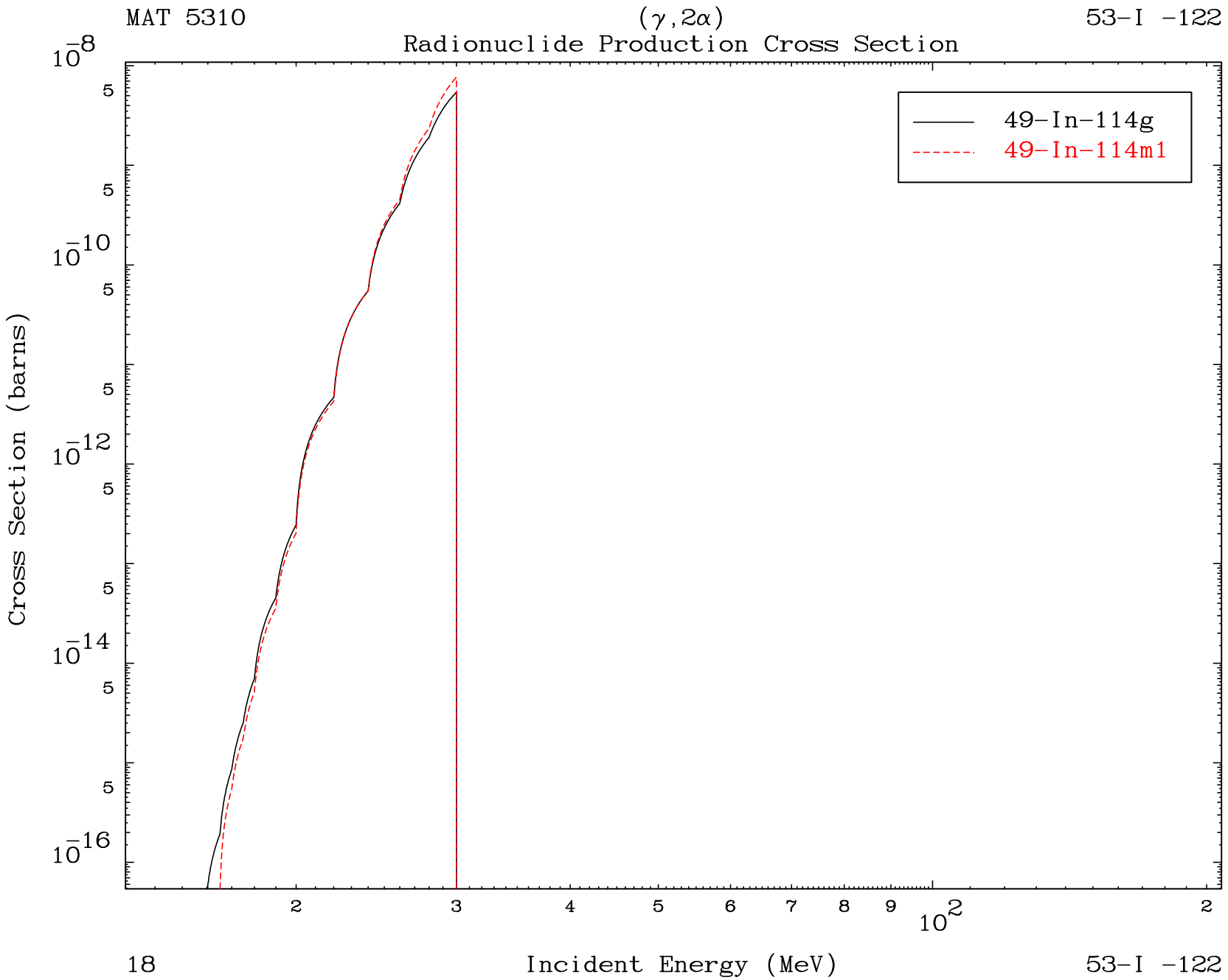

MAT 5310
(γ,n') d
53-I -122
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
13
53-I -122

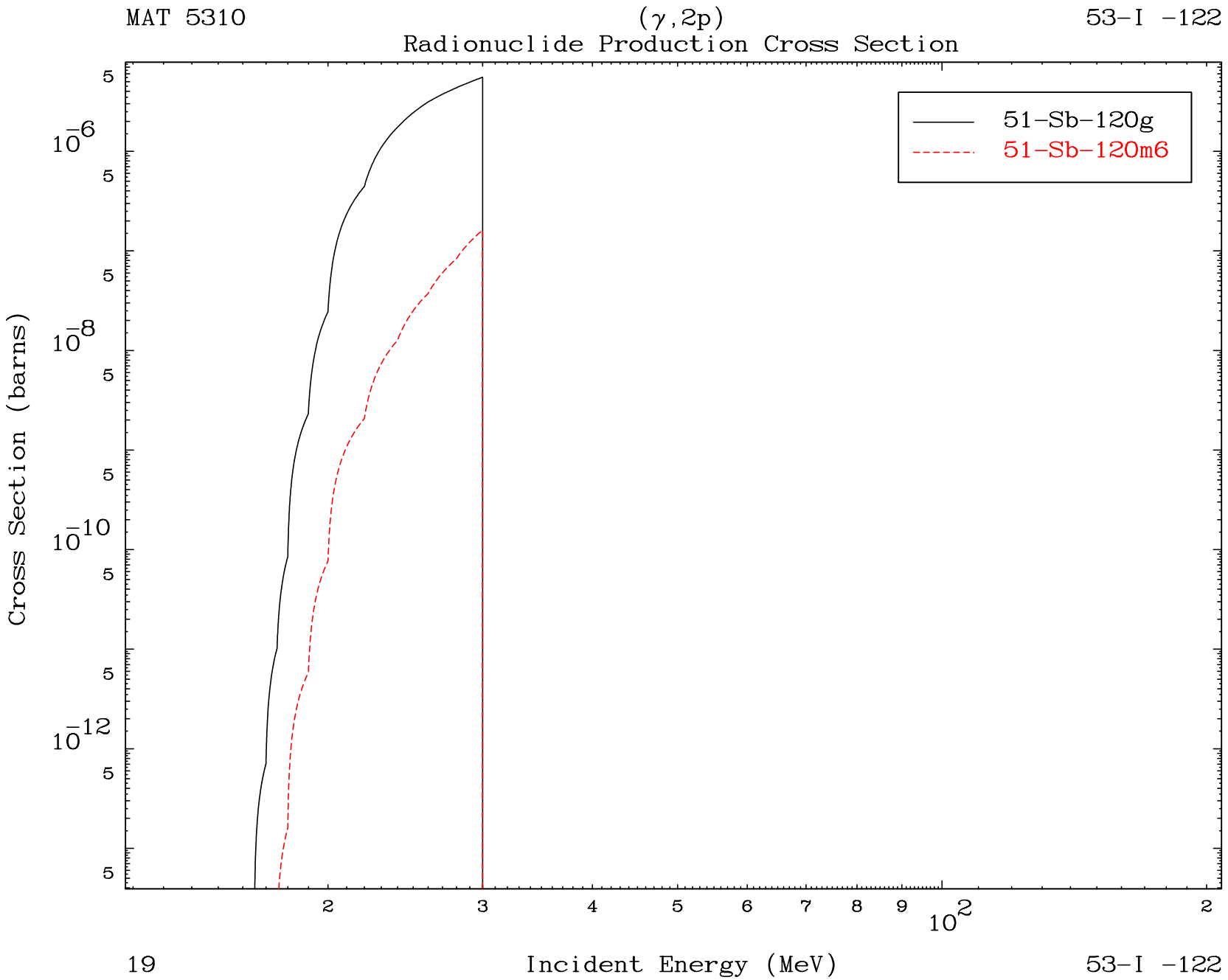

MAT 5310
(γ,2n) p
53-I -122
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
53-I -122

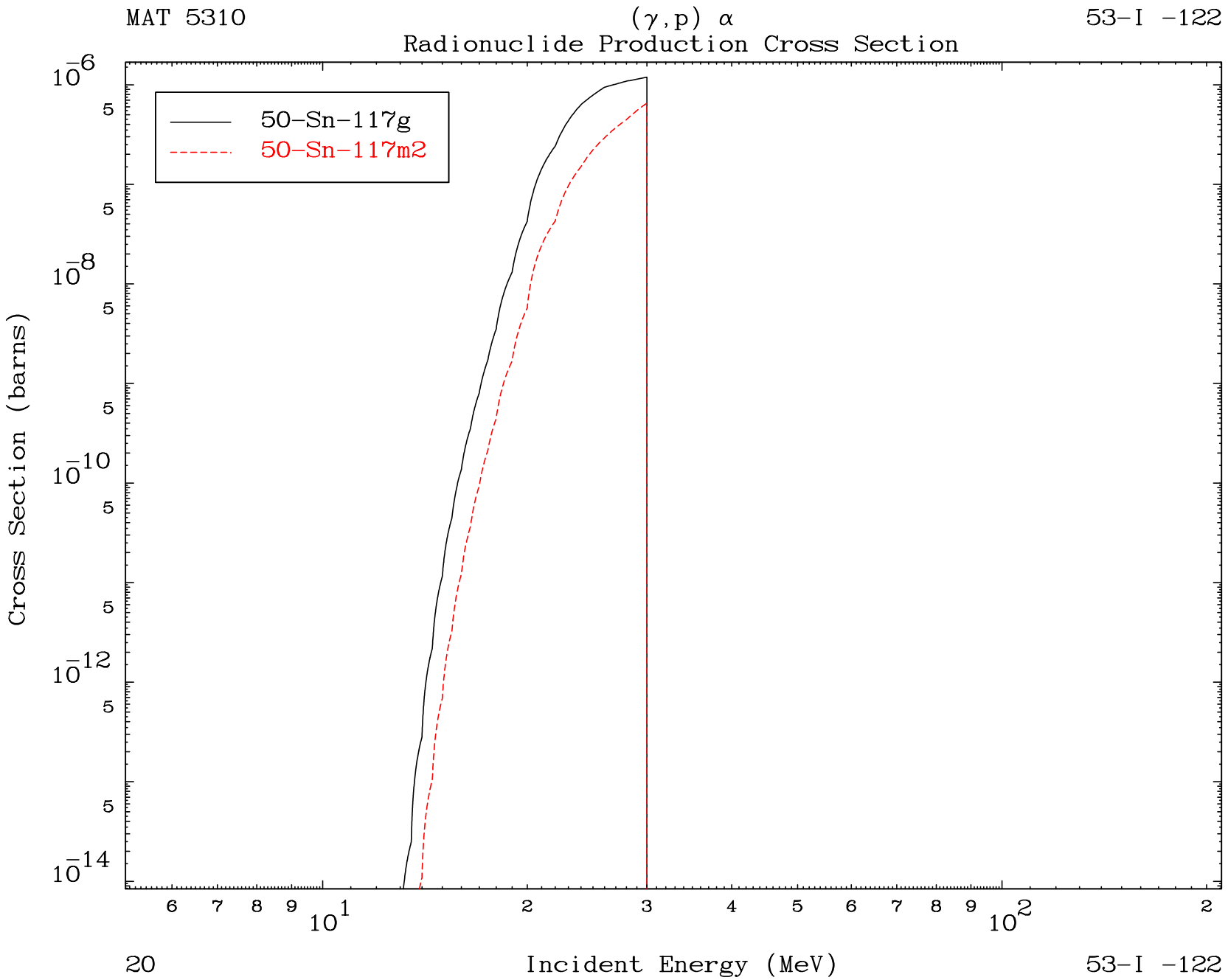

MAT 5310
(γ,p)
53-I -122
Radionuclide Production Cross Section
52-Te-121g
52-Te-121m2
Cross Section (barns)
Incident Energy (MeV)
15
53-I -122


MAT 5310
(γ,t)
53-I -122
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
Incident Energy (MeV)
16
53-I -122


MAT 5310
(γ,α)
53-I -122
Radionuclide Production Cross Section
51-Sb-118g
51-Sb-118m7
Cross Section (barns)
Incident Energy (MeV)
17
53-I -122


MAT 5310
(γ,2α)
53-I -122
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
Cross Section (barns)
Incident Energy (MeV)
18
53-I -122


MAT 5310
(γ,2p)
53-I -122
Radionuclide Production Cross Section
51-Sb-120g
51-Sb-120m6
Cross Section (barns)
Incident Energy (MeV)
19
53-I -122


MAT 5310
(γ,p) α
53-I -122
Radionuclide Production Cross Section
50-Sn-117g
50-Sn-117m2
Cross Section (barns)
Incident Energy (MeV)
20
53-I -122