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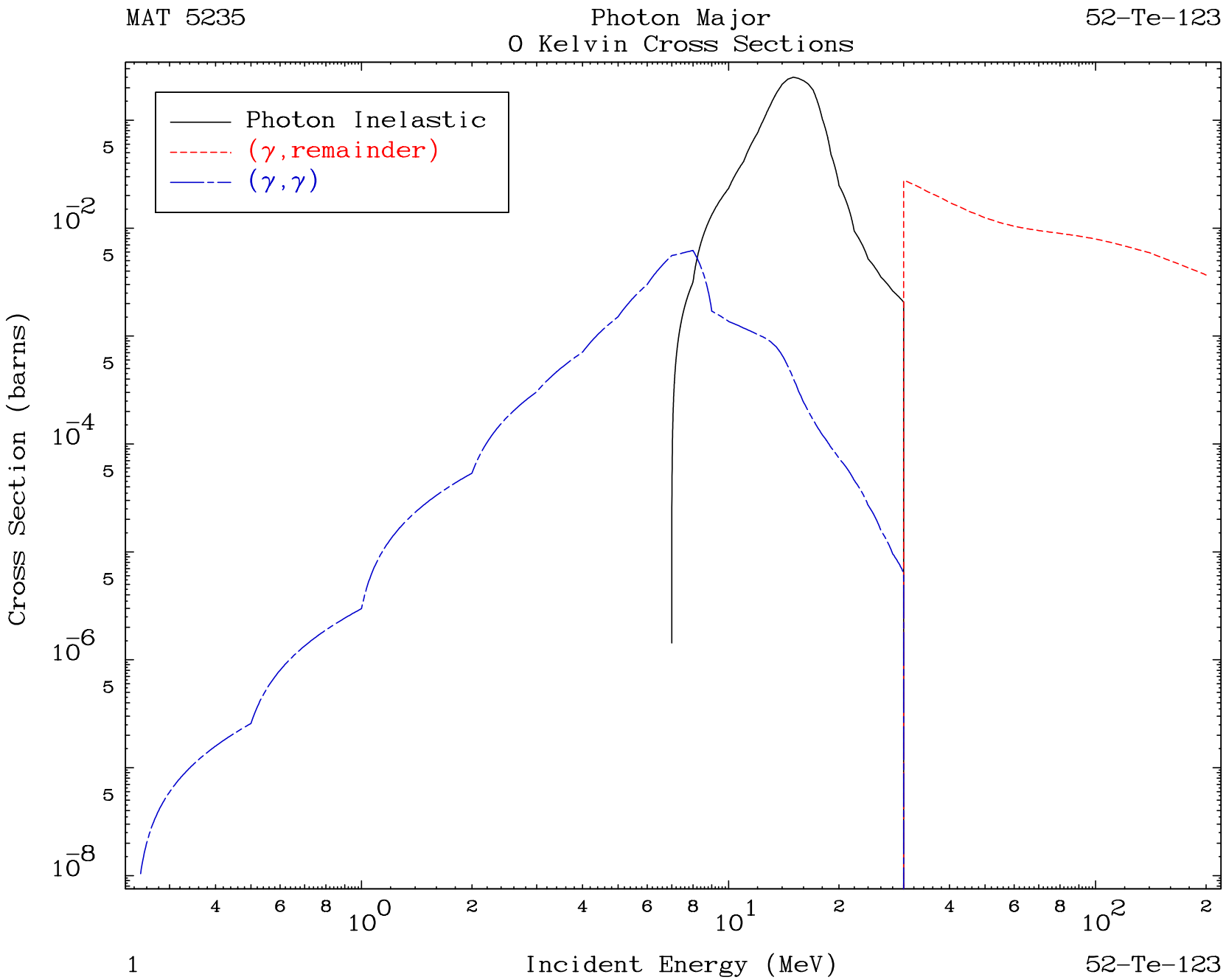
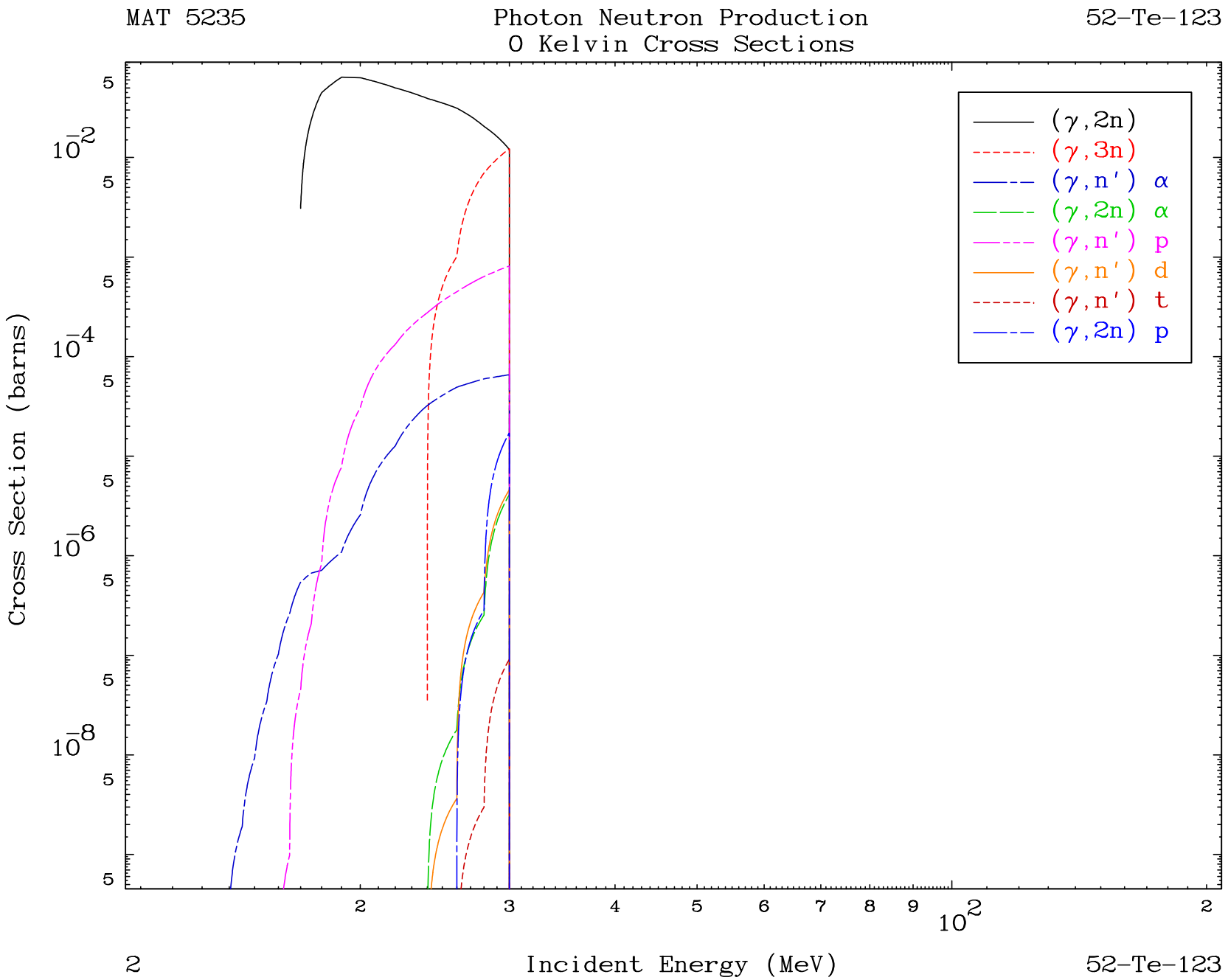
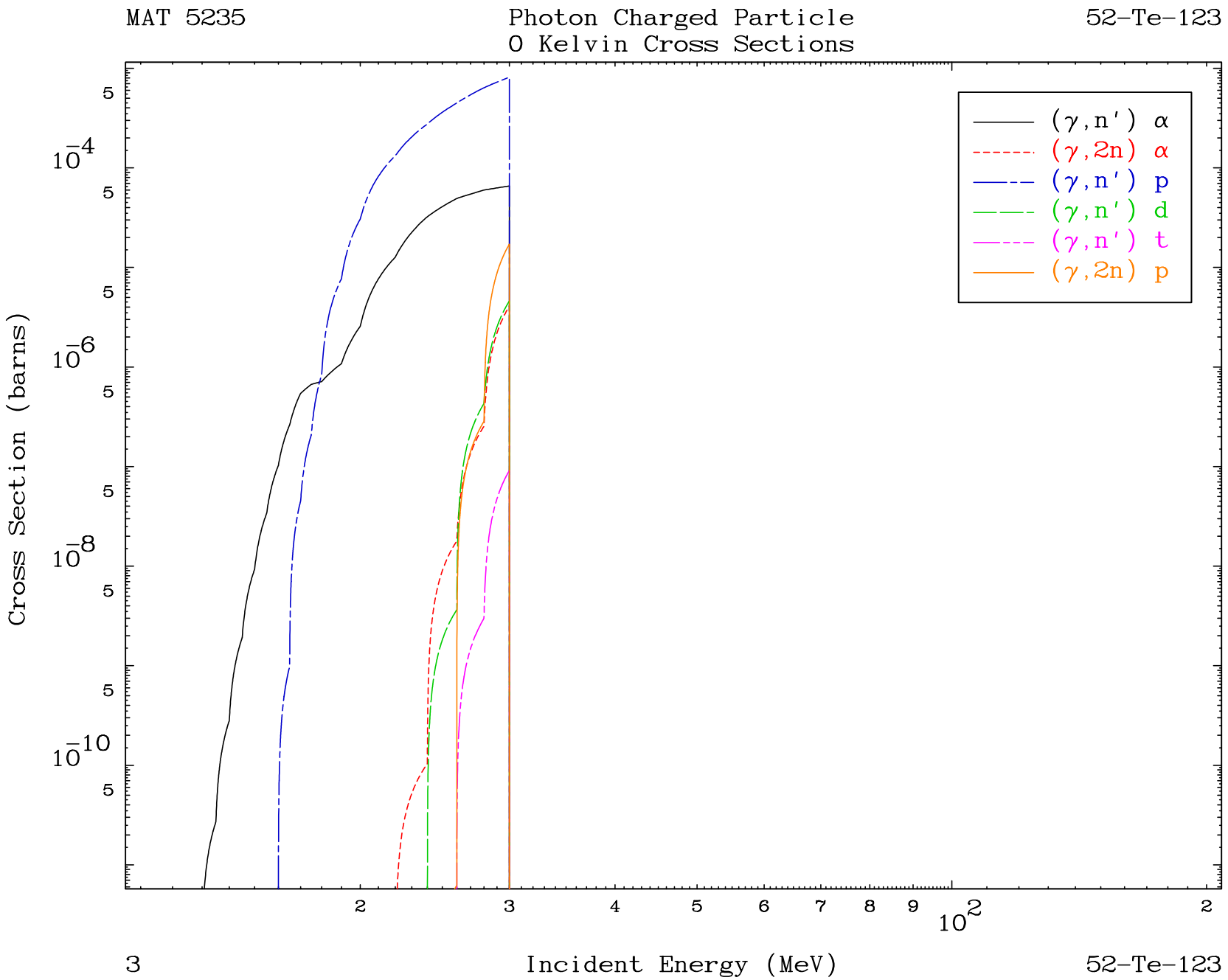
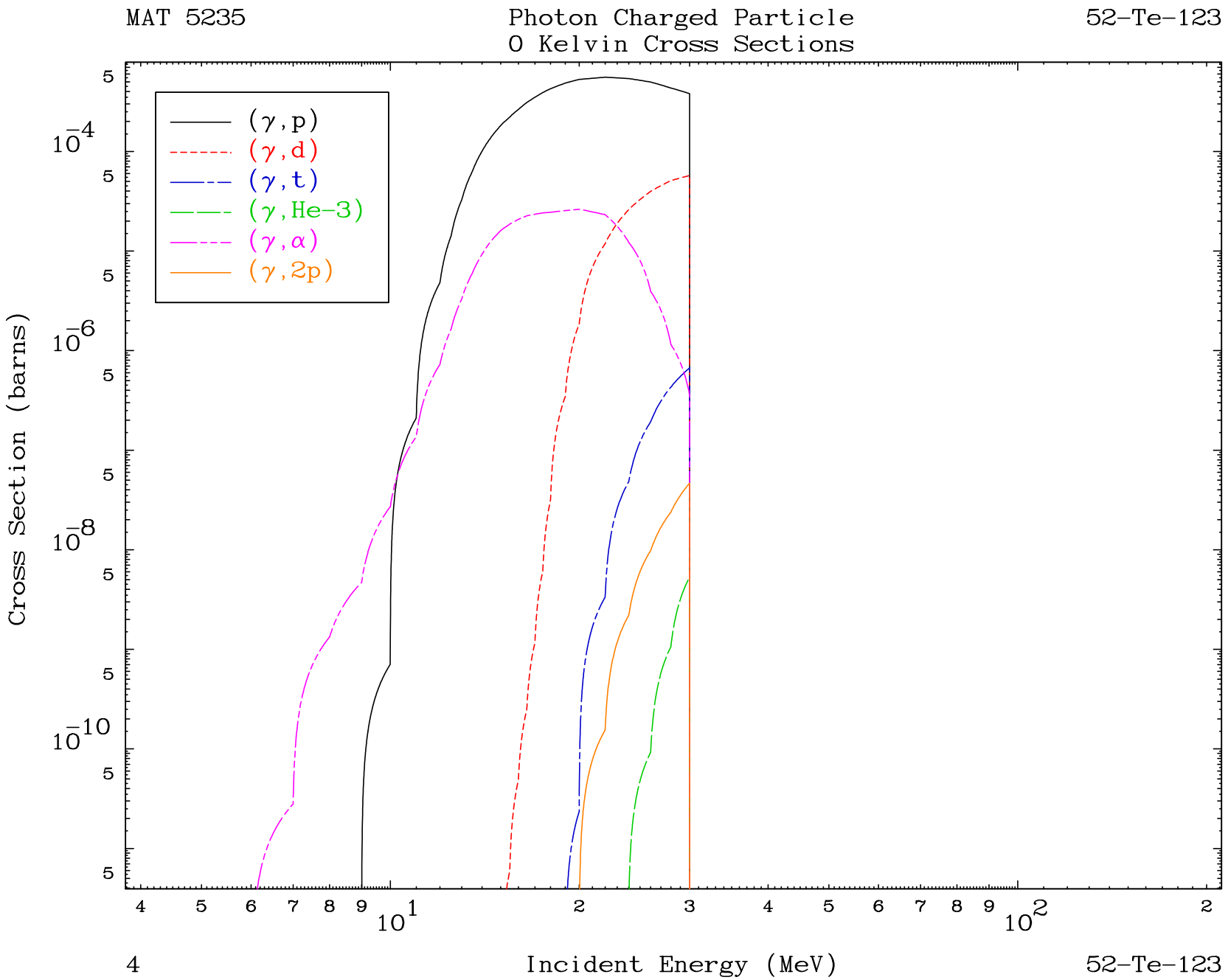
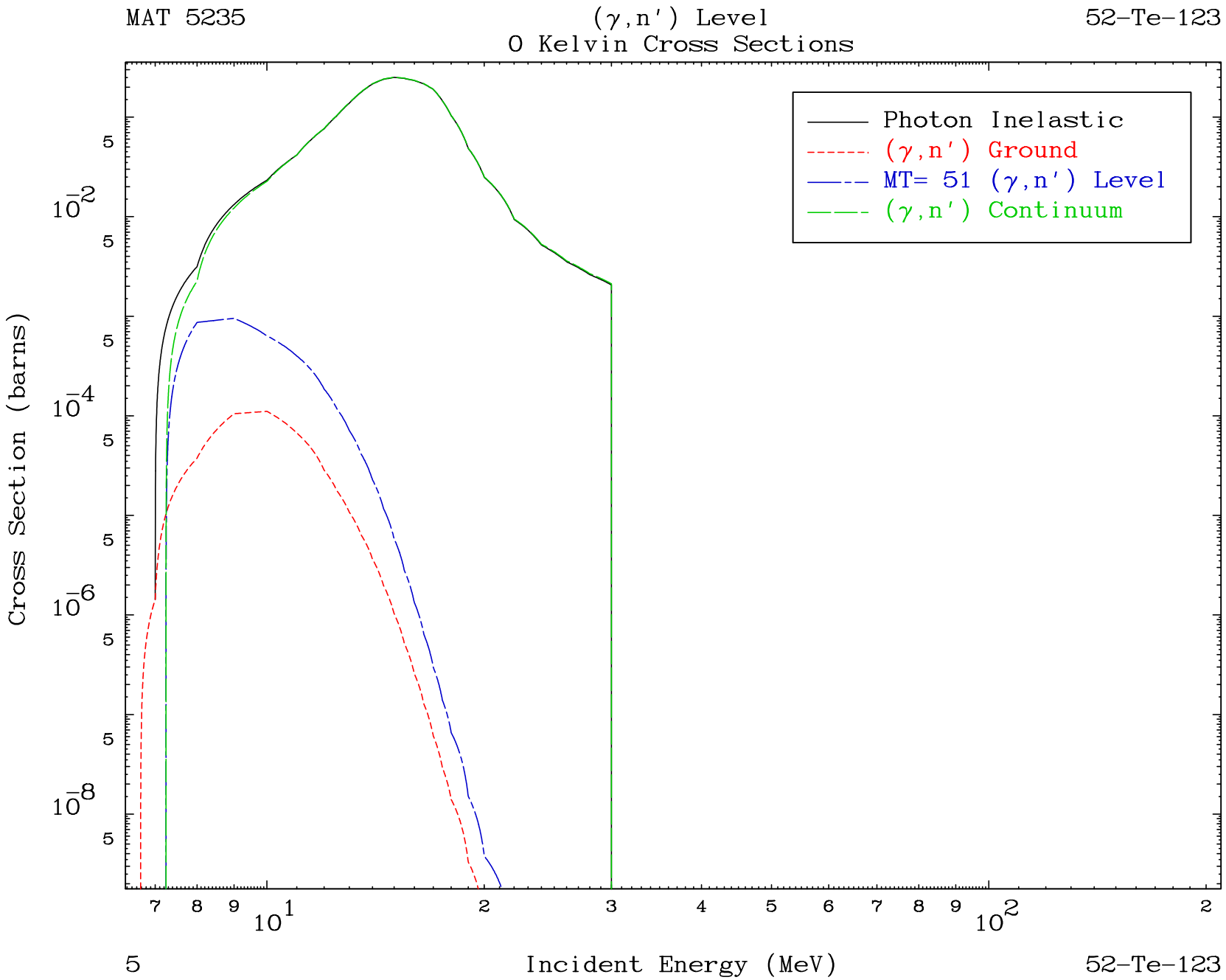
Press Mouse Button to Start

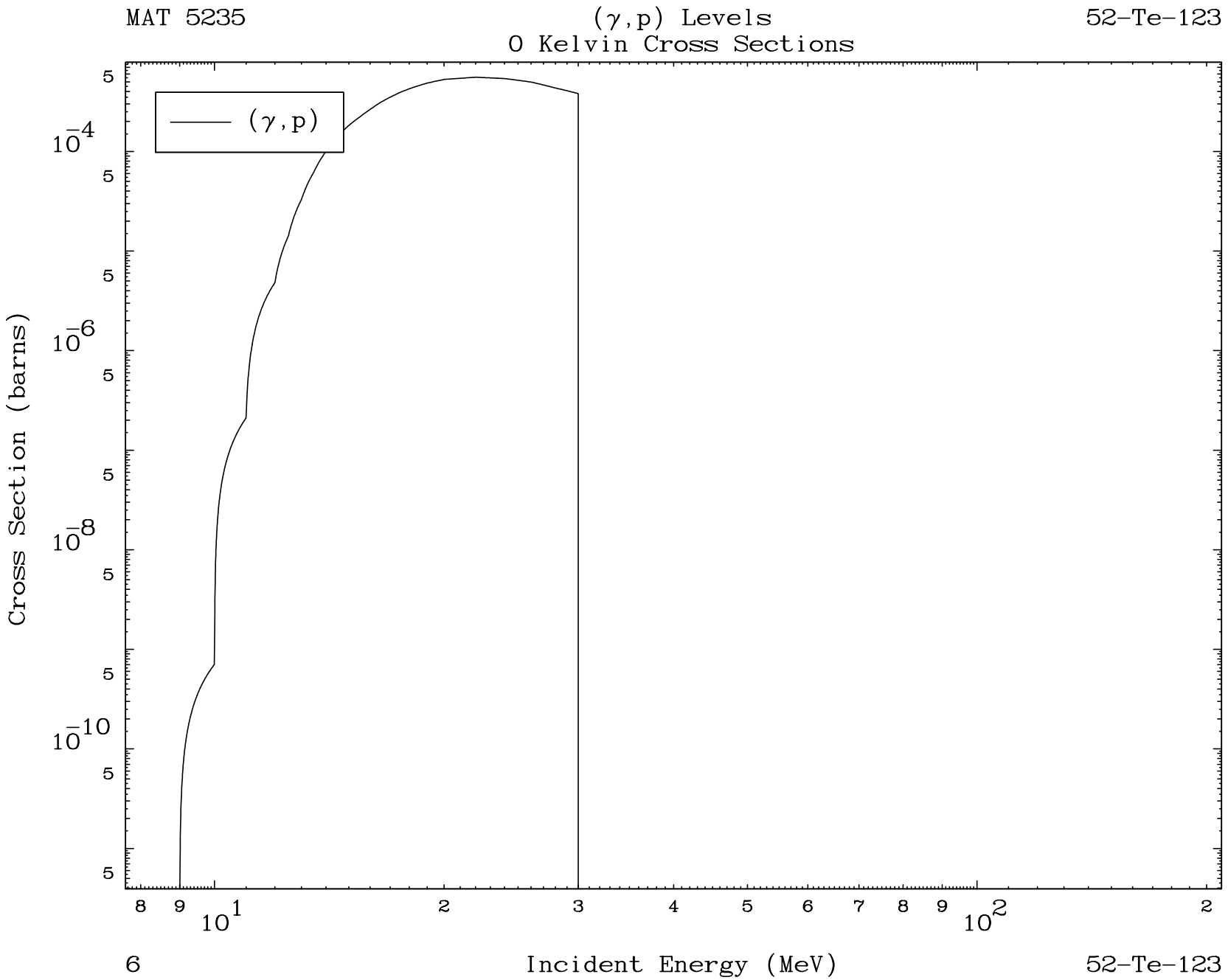

MAT 5235
Photon Major
52-Te-123
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
52-Te-123
1

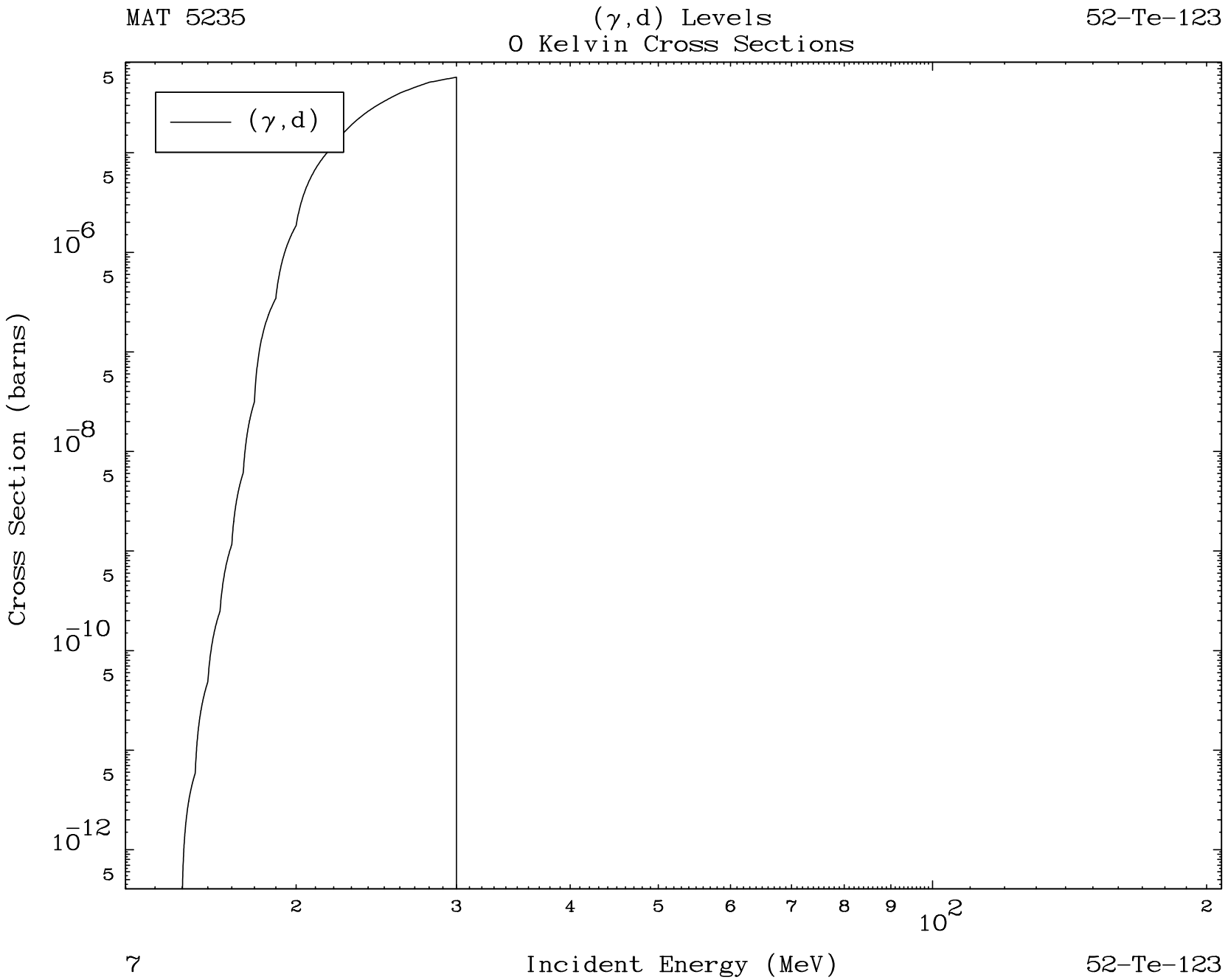

MAT 5235
Photon Neutron Production
0 Kelvin Cross Sections
52-Te-123
Cross Section (barns)
Incident Energy (MeV)
52-Te-123
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p

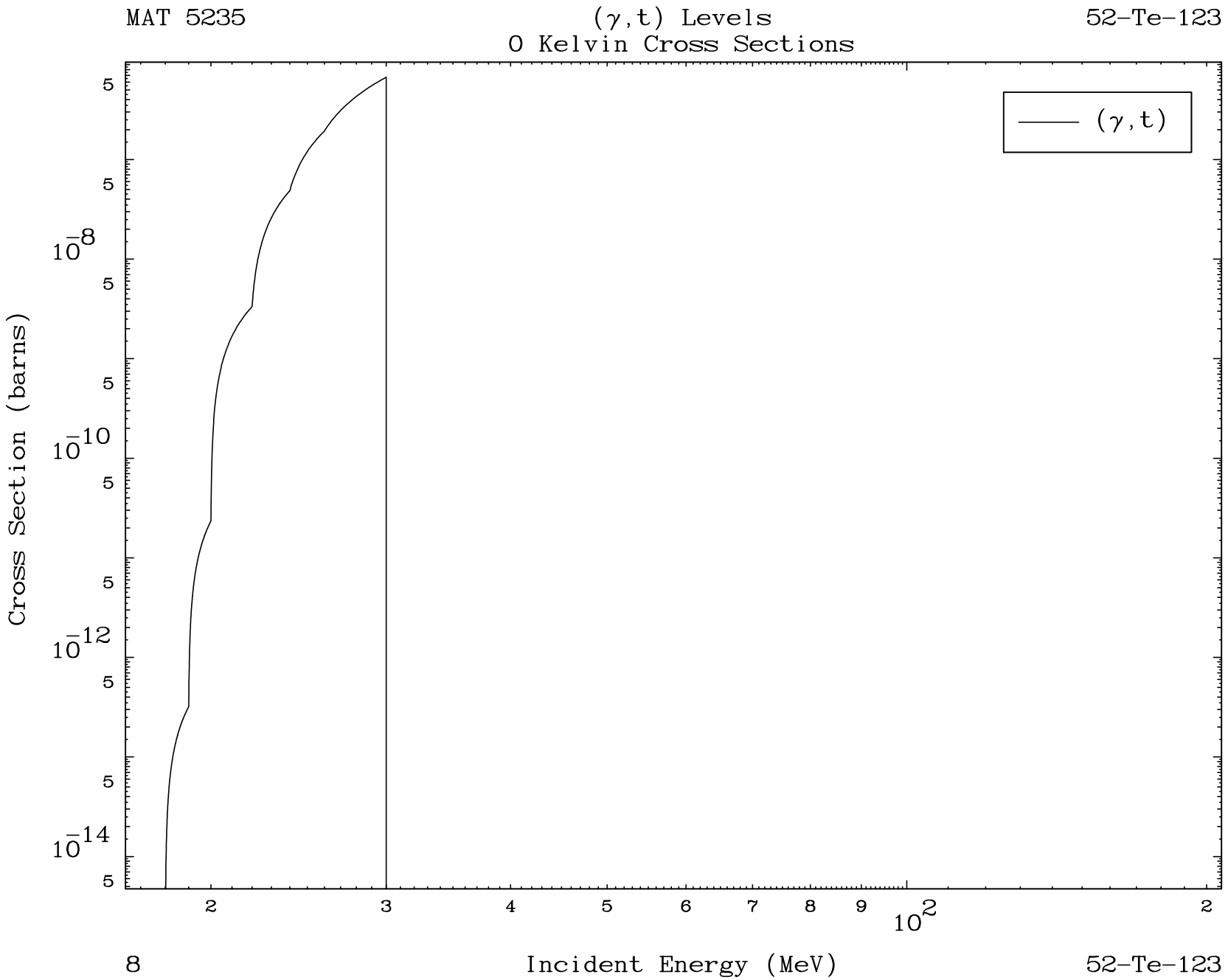

MAT 5235
Photon Charged Particle
0 Kelvin Cross Sections
52-Te-123
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
3
52-Te-123

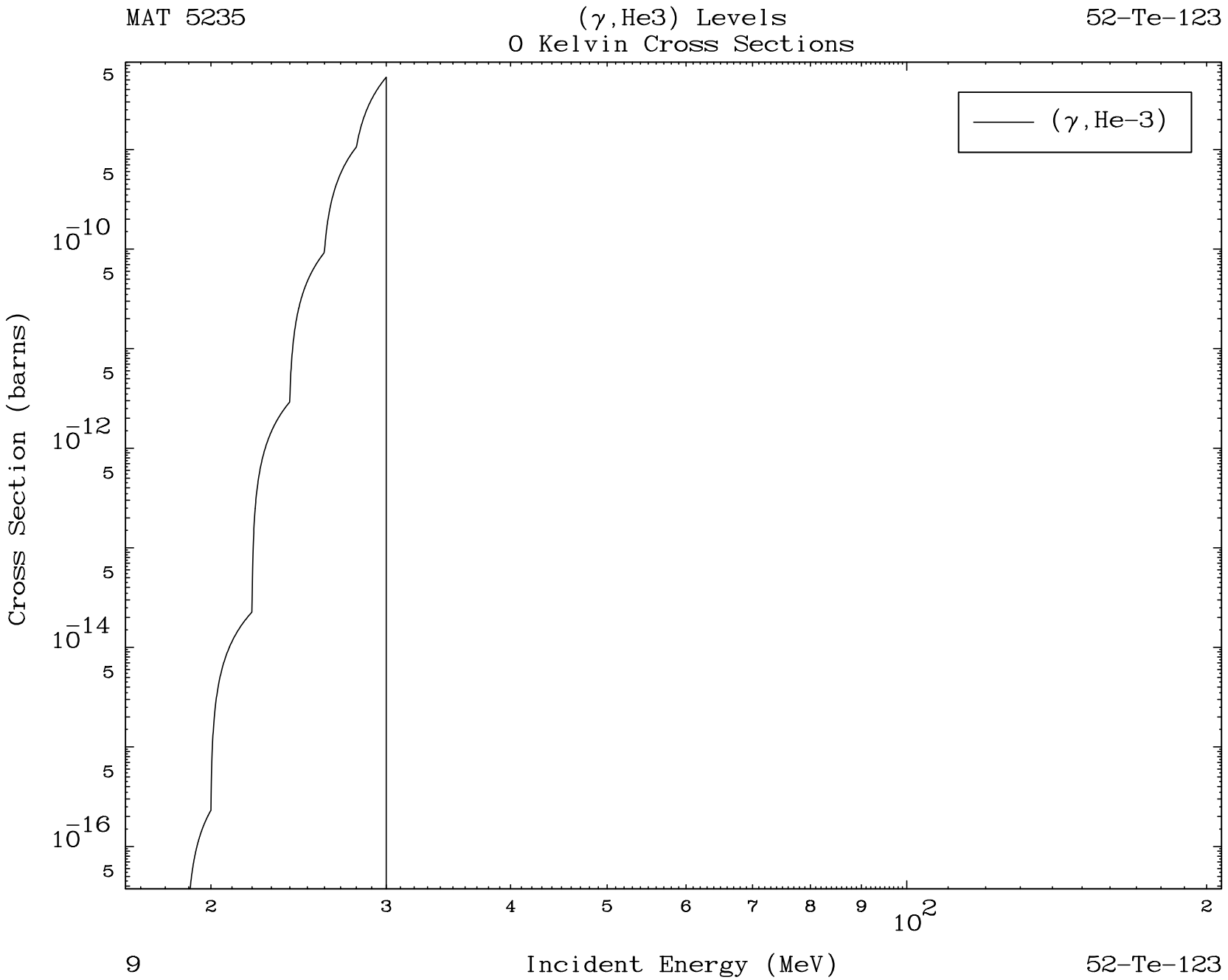

MAT 5235
Photon Charged Particle
0 Kelvin Cross Sections
52-Te-123
(γ,p)
(γ,d)
(γ,t)
(γ,He-3)
(γ,α)
(γ,2p)
Cross Section (barns)
Incident Energy (MeV)
4
52-Te-123

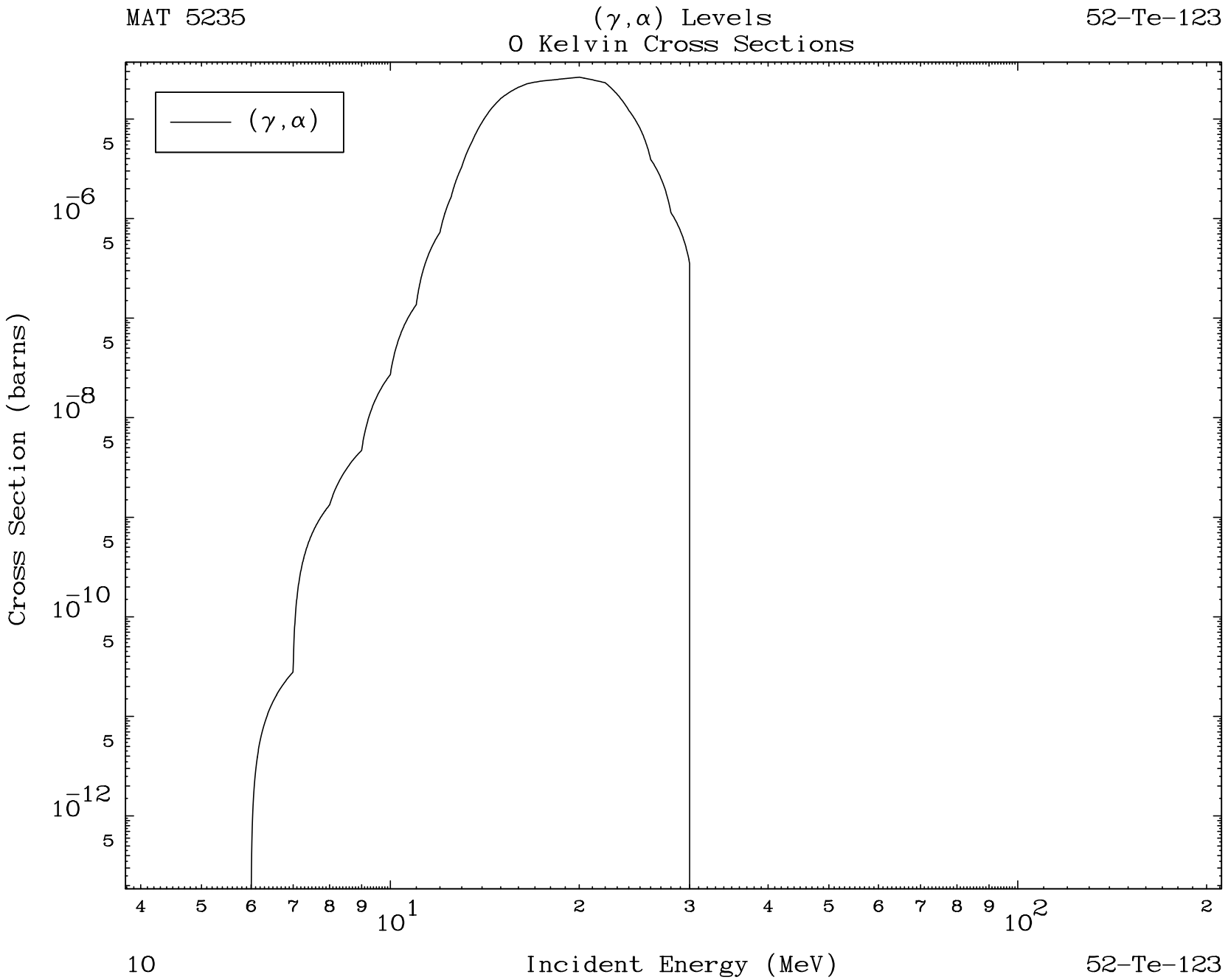

MAT 5235
(γ,n') Level
52-Te-123
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
5
52-Te-123

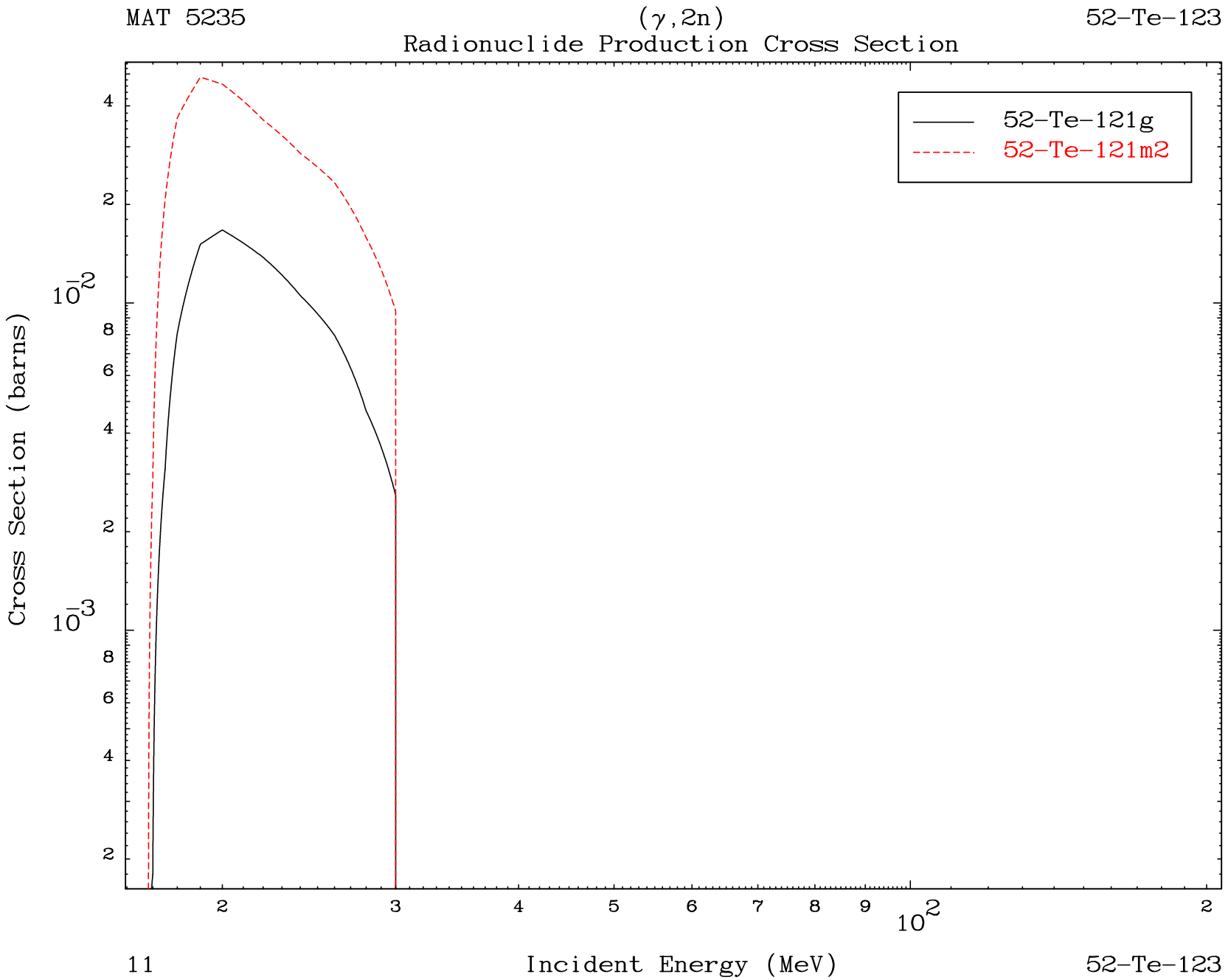

MAT 5235
(γ,p) Levels
52-Te-123
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
Incident Energy (MeV)
6
52-Te-123

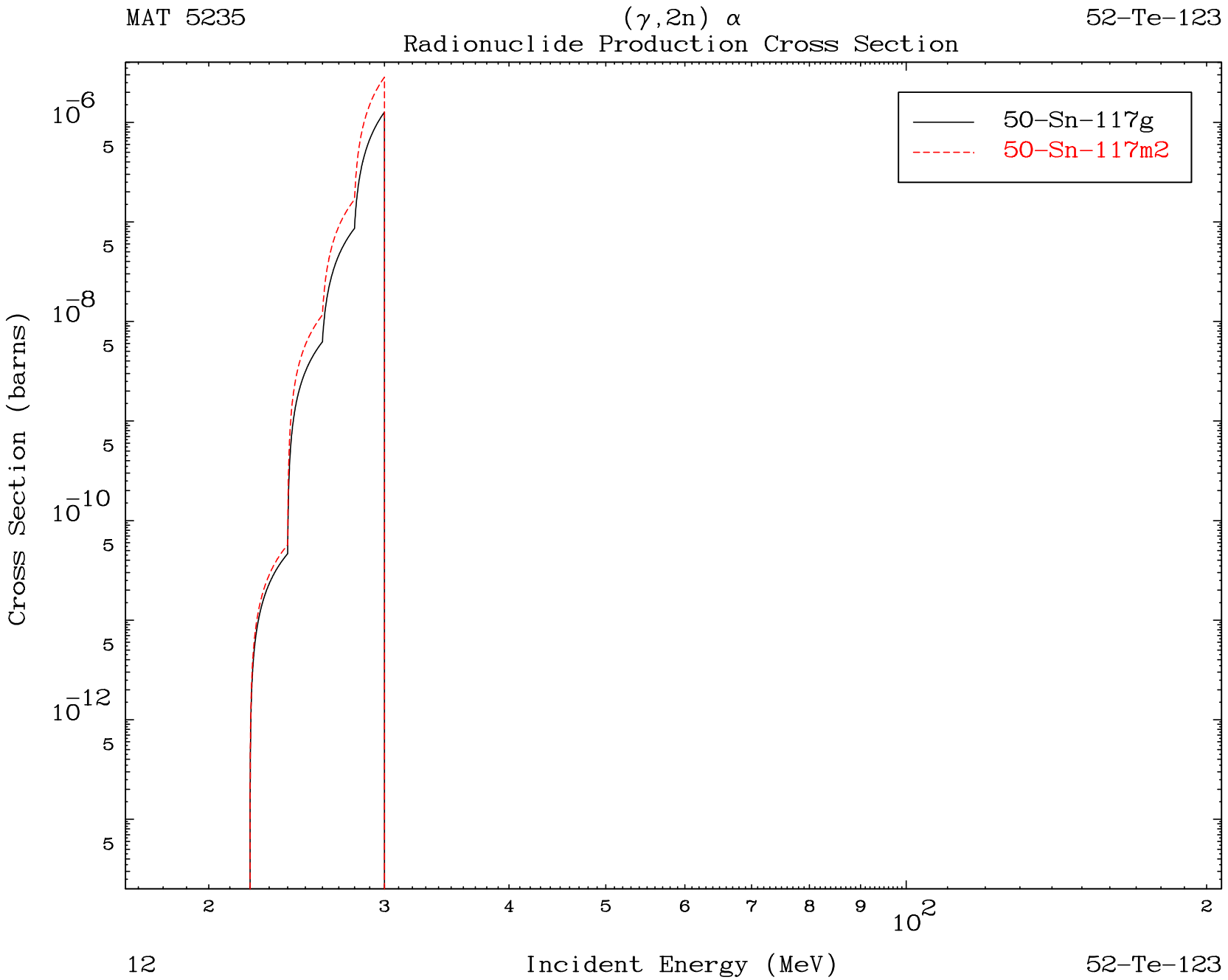

MAT 5235
(γ,d) Levels
52-Te-123
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
52-Te-123

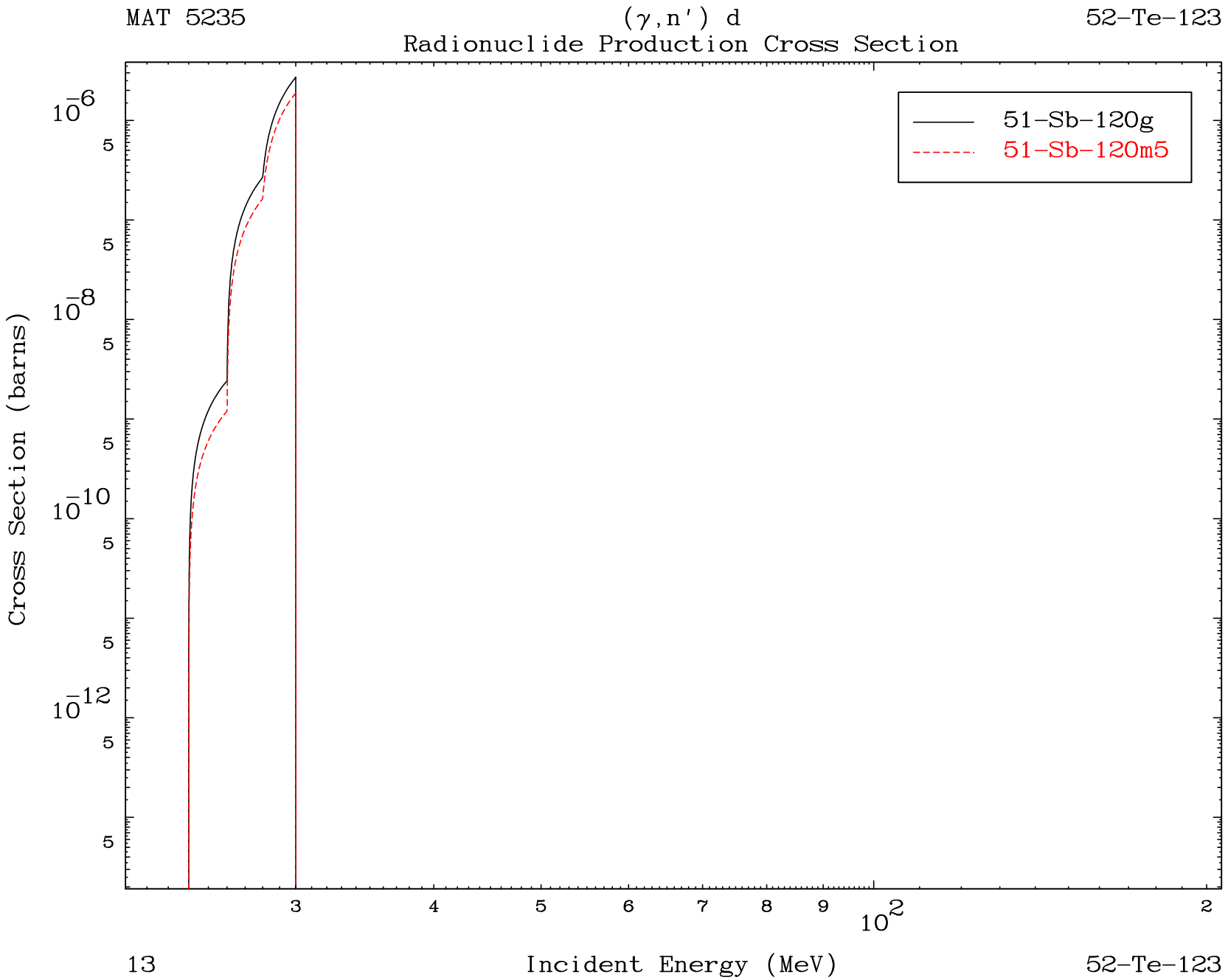

MAT 5235
(γ,t) Levels
52-Te-123
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
8
52-Te-123

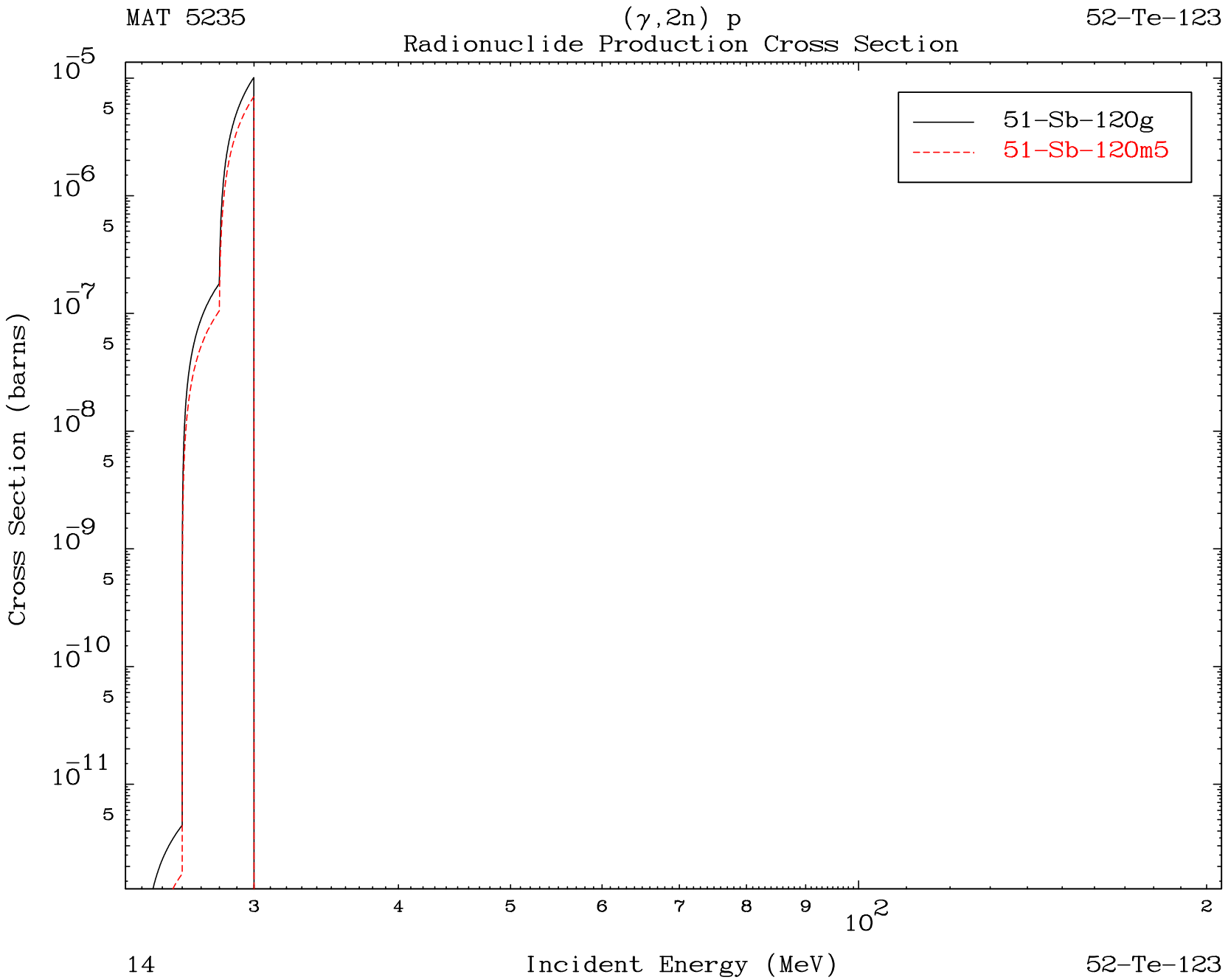

MAT 5235
(γ,He3) Levels
52-Te-123
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
Incident Energy (MeV)
10^2
9
52-Te-123

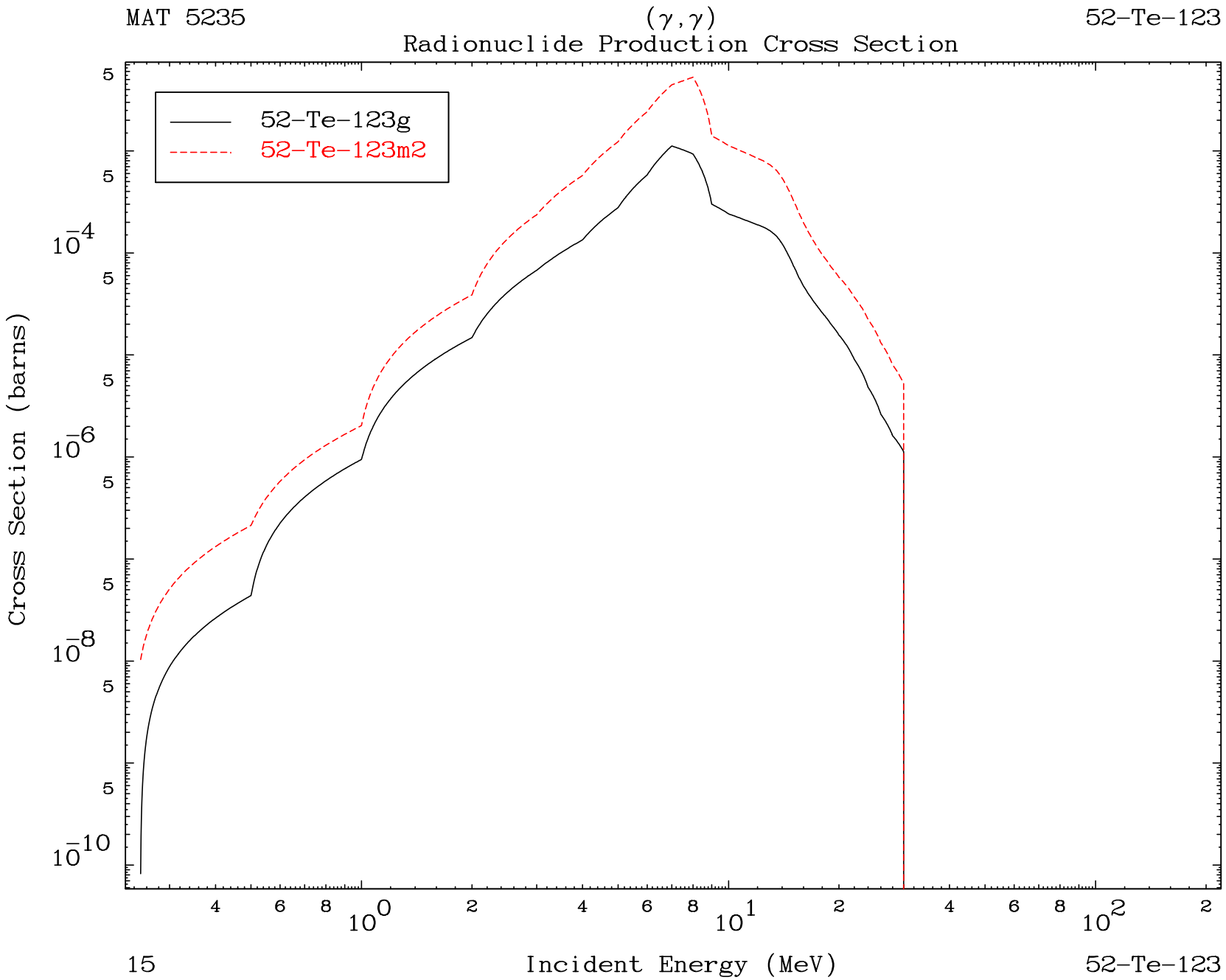

MAT 5235
(γ,α) Levels
52-Te-123
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
Incident Energy (MeV)
10
52-Te-123

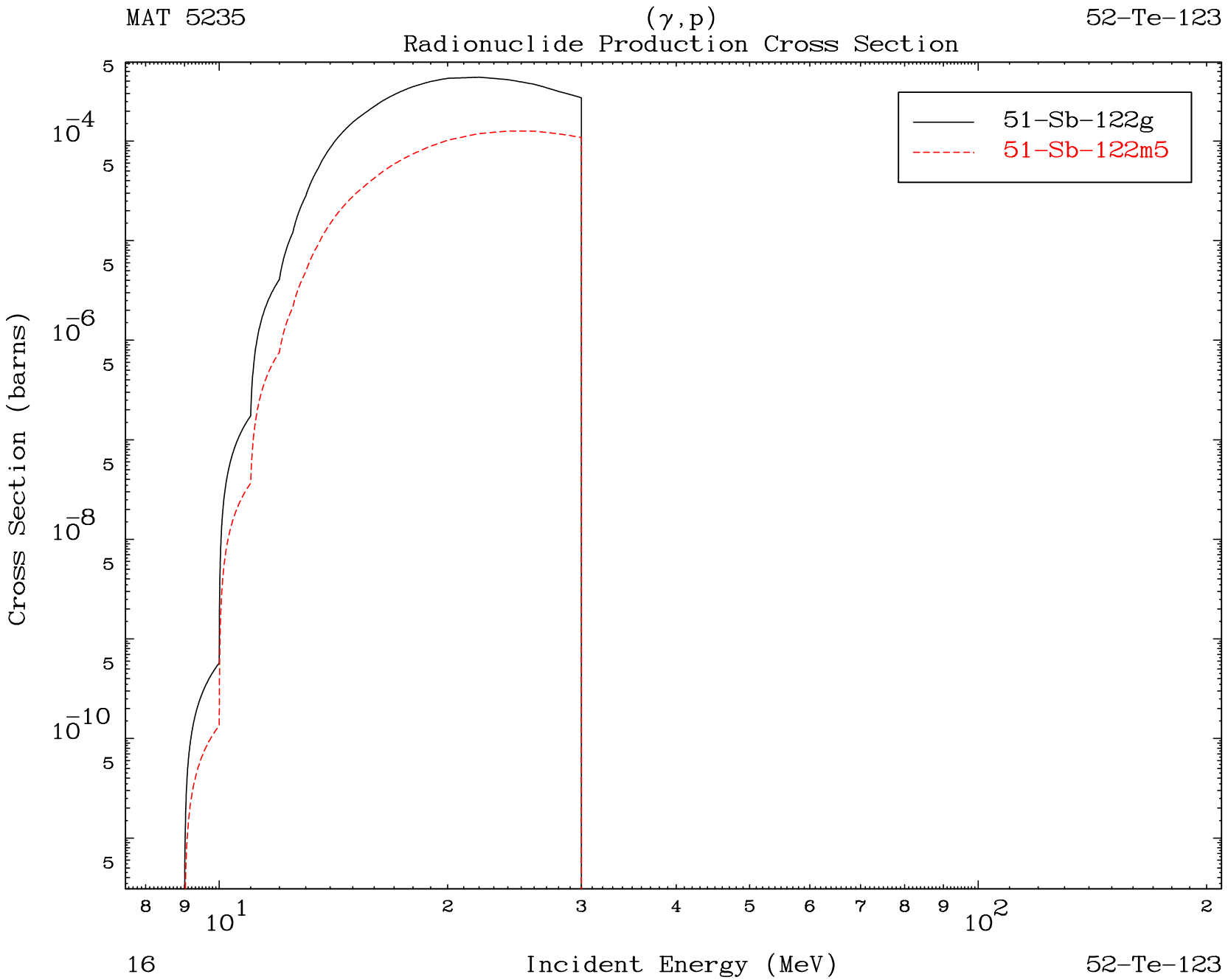

MAT 5235
(γ,2n)
52-Te-123
Radionuclide Production Cross Section
52-Te-121g
52-Te-121m2
Cross Section (barns)
10-2
10-3
4
2
8
6
4
2
8
6
4
2
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
52-Te-123

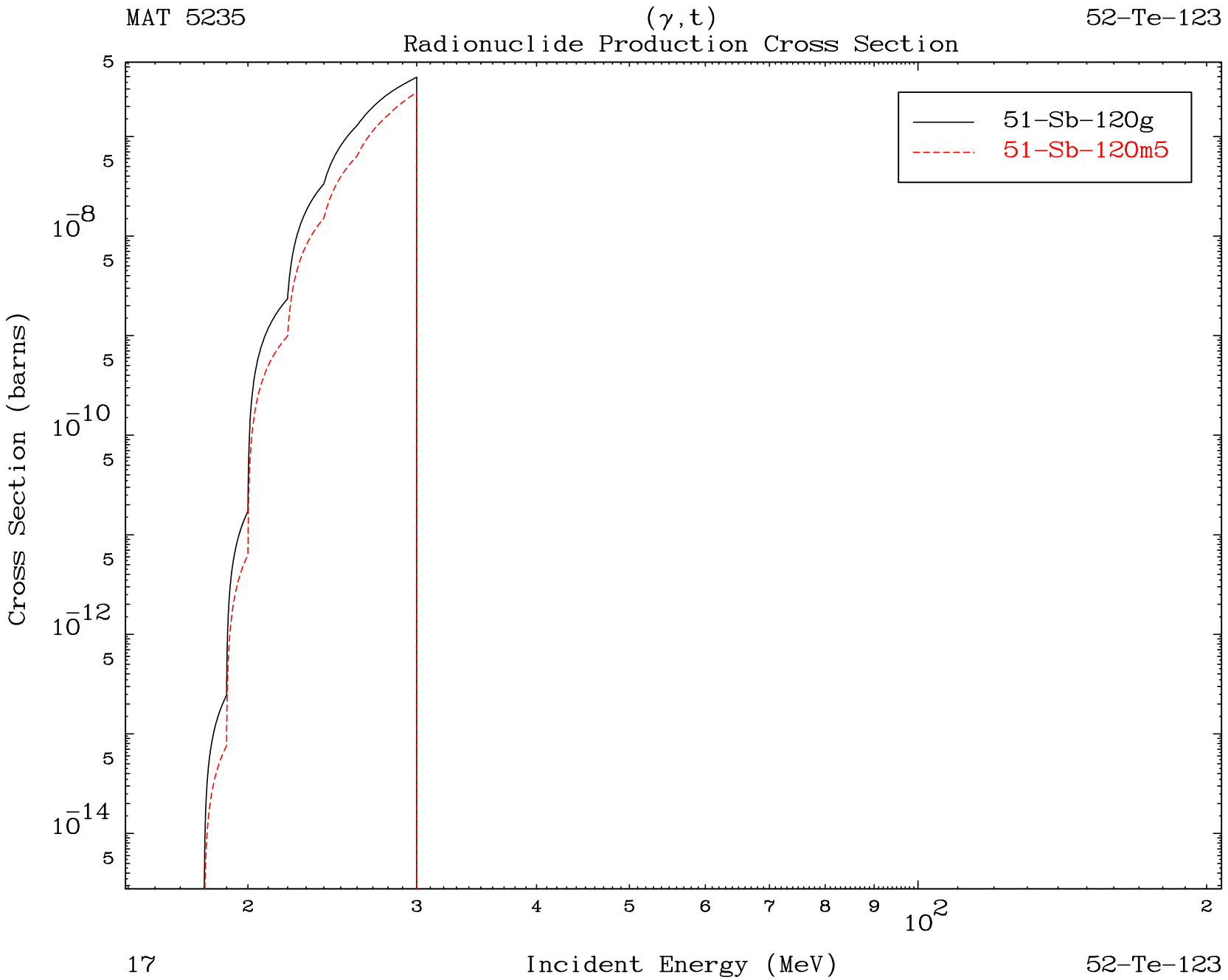

MAT 5235
(γ,2n) α
52-Te-123
Radionuclide Production Cross Section
50-Sn-117g
50-Sn-117m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
12
Incident Energy (MeV)
52-Te-123

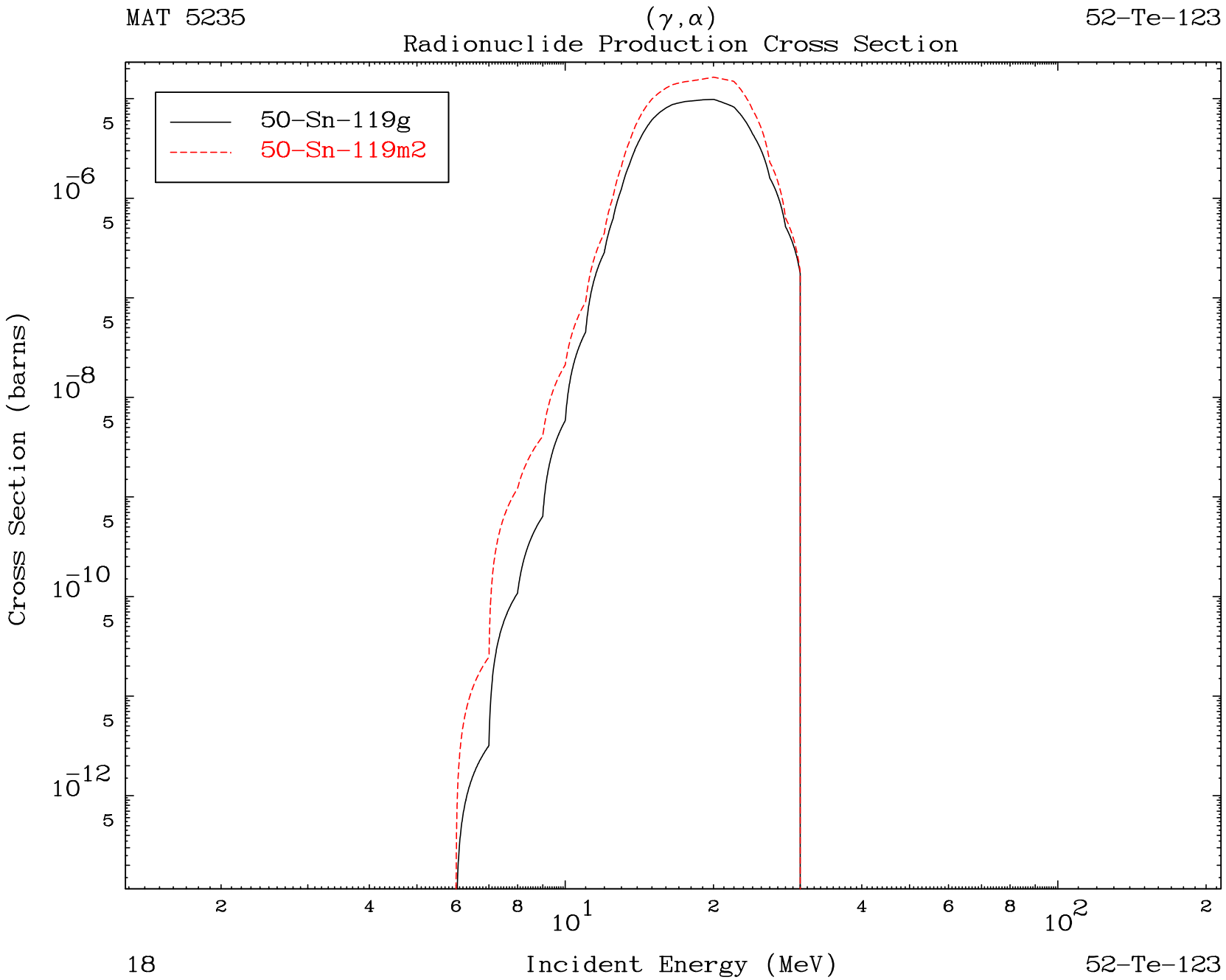

MAT 5235
(γ,n') d
52-Te-123
Radionuclide Production Cross Section
51-Sb-120g
51-Sb-120m5
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
52-Te-123

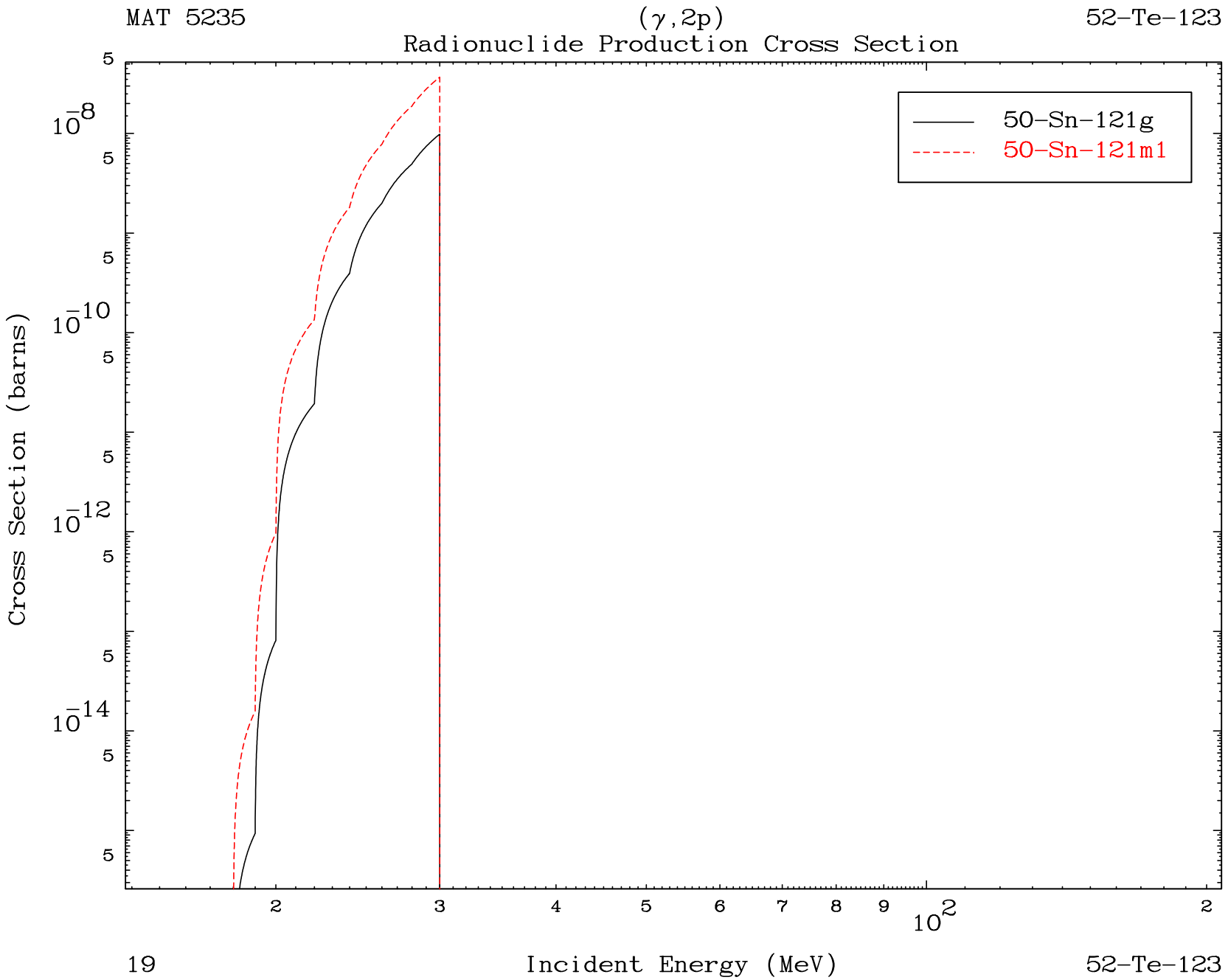

MAT 5235
(γ,2n) p
52-Te-123
Radionuclide Production Cross Section
51-Sb-120g
51-Sb-120m5
Cross Section (barns)
Incident Energy (MeV)
14
52-Te-123


MAT 5235
(γ,γ)
52-Te-123
Radionuclide Production Cross Section
52-Te-123g
52-Te-123m2
Cross Section (barns)
Incident Energy (MeV)
15
52-Te-123


MAT 5235
(γ,p)
52-Te-123
Radionuclide Production Cross Section
51-Sb-122g
51-Sb-122m5
Cross Section (barns)
Incident Energy (MeV)
16
52-Te-123


MAT 5235
(γ,t)
52-Te-123
Radionuclide Production Cross Section
51-Sb-120g
51-Sb-120m5
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
52-Te-123


MAT 5235
(γ,α)
52-Te-123
Radionuclide Production Cross Section
50-Sn-119g
50-Sn-119m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
4
6
8
10^1
2
4
6
8
10^2
2
18
Incident Energy (MeV)
52-Te-123


MAT 5235
(γ,2p)
52-Te-123
Radionuclide Production Cross Section
50-Sn-121g
50-Sn-121m1
Cross Section (barns)
Incident Energy (MeV)
19
52-Te-123