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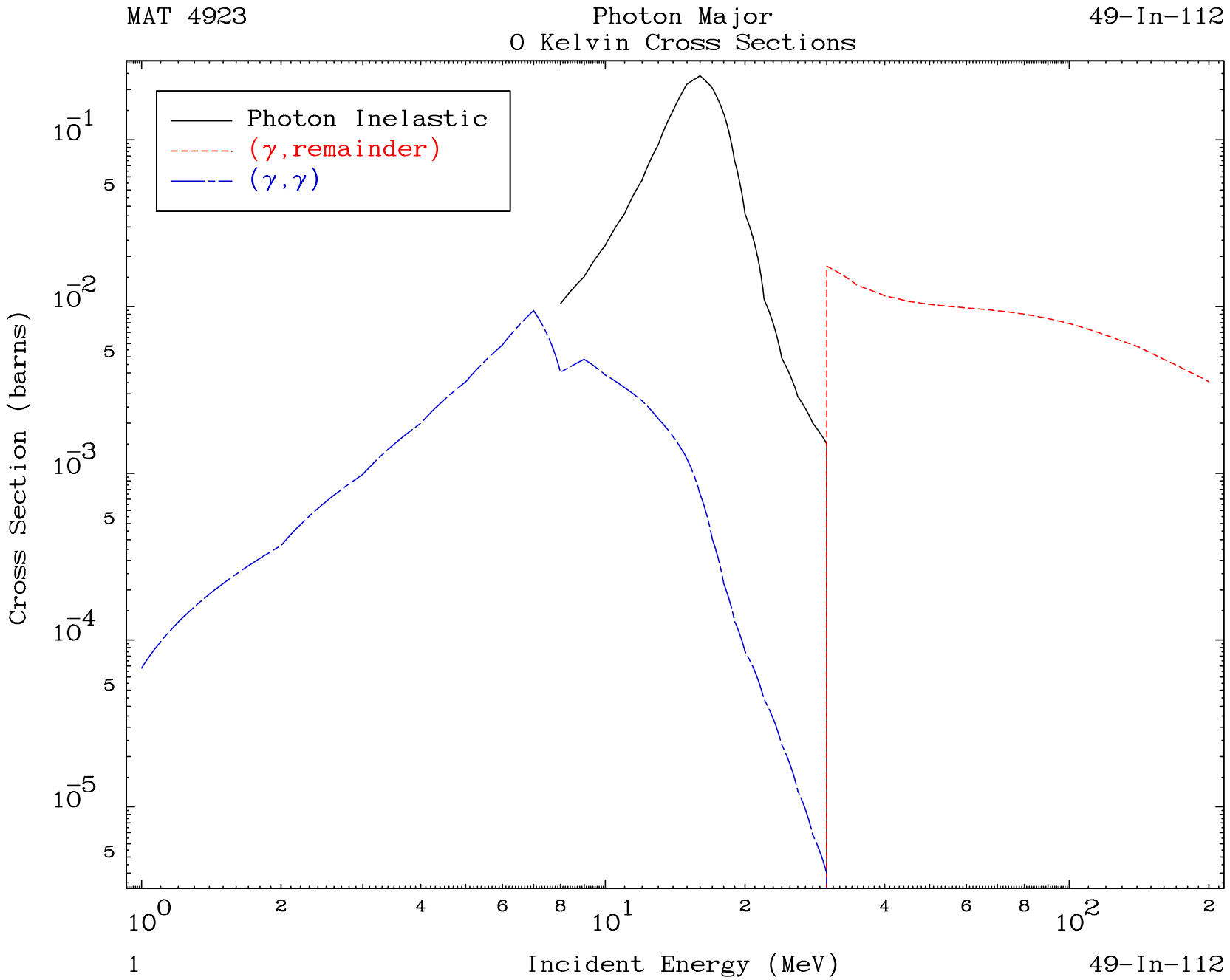
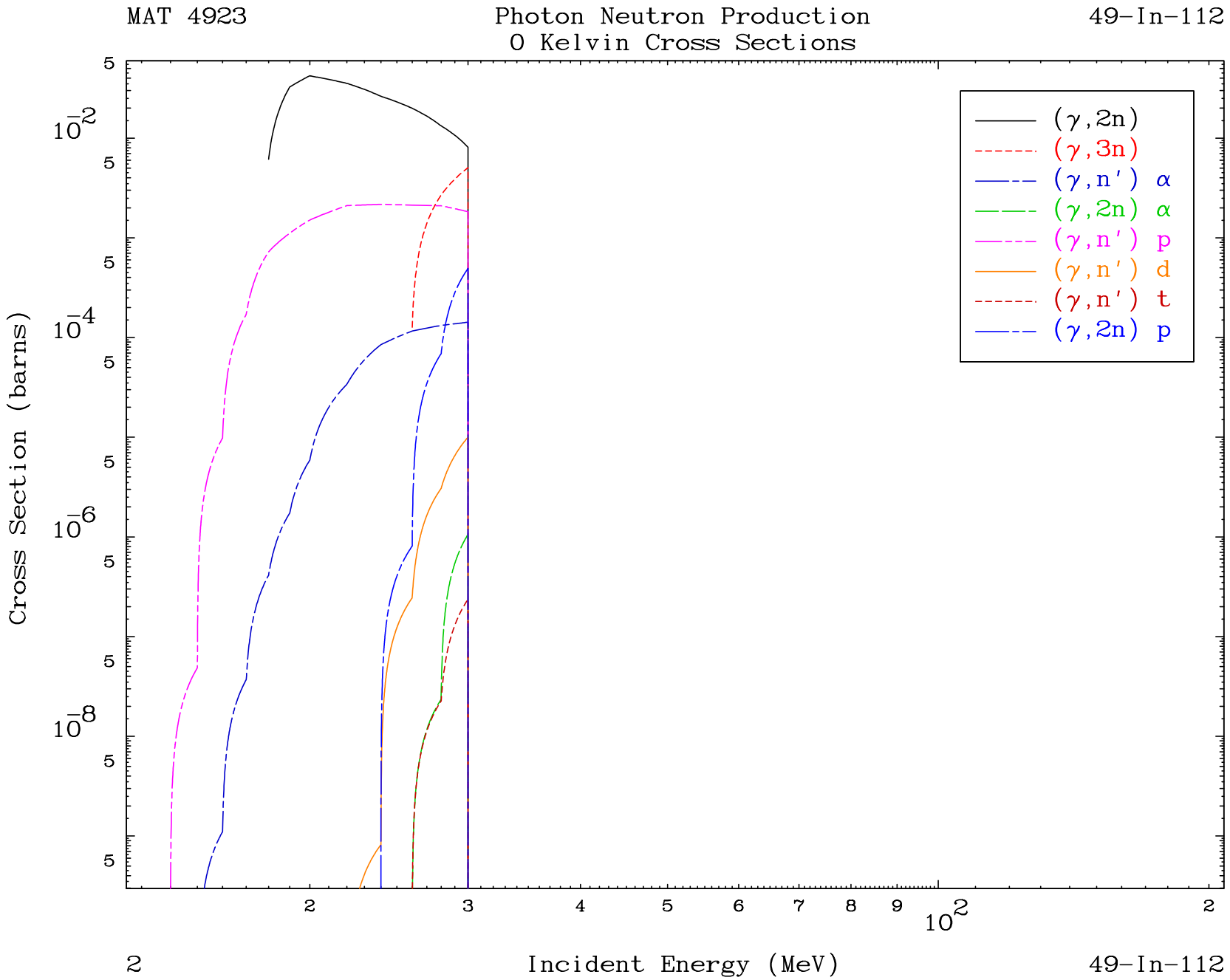
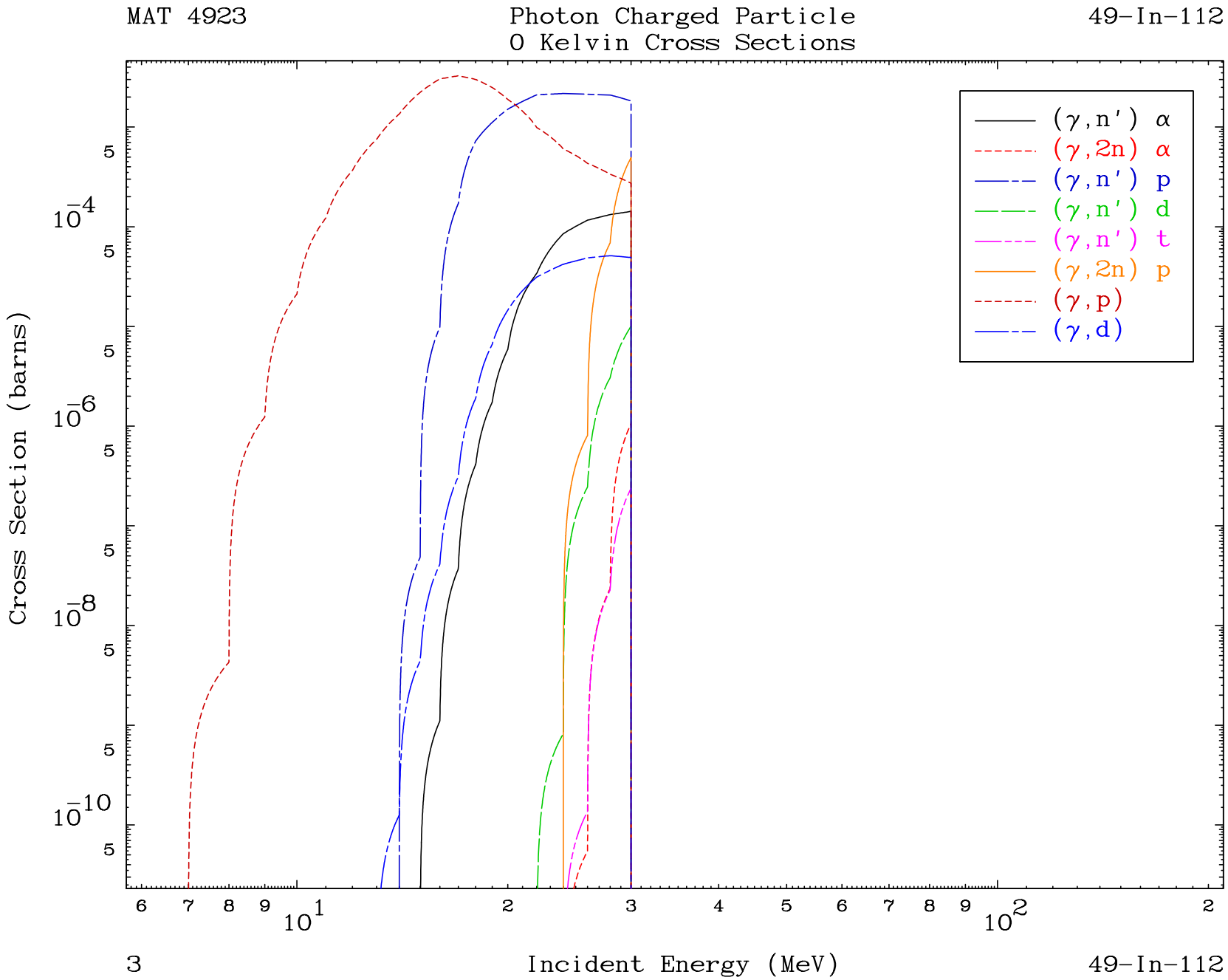
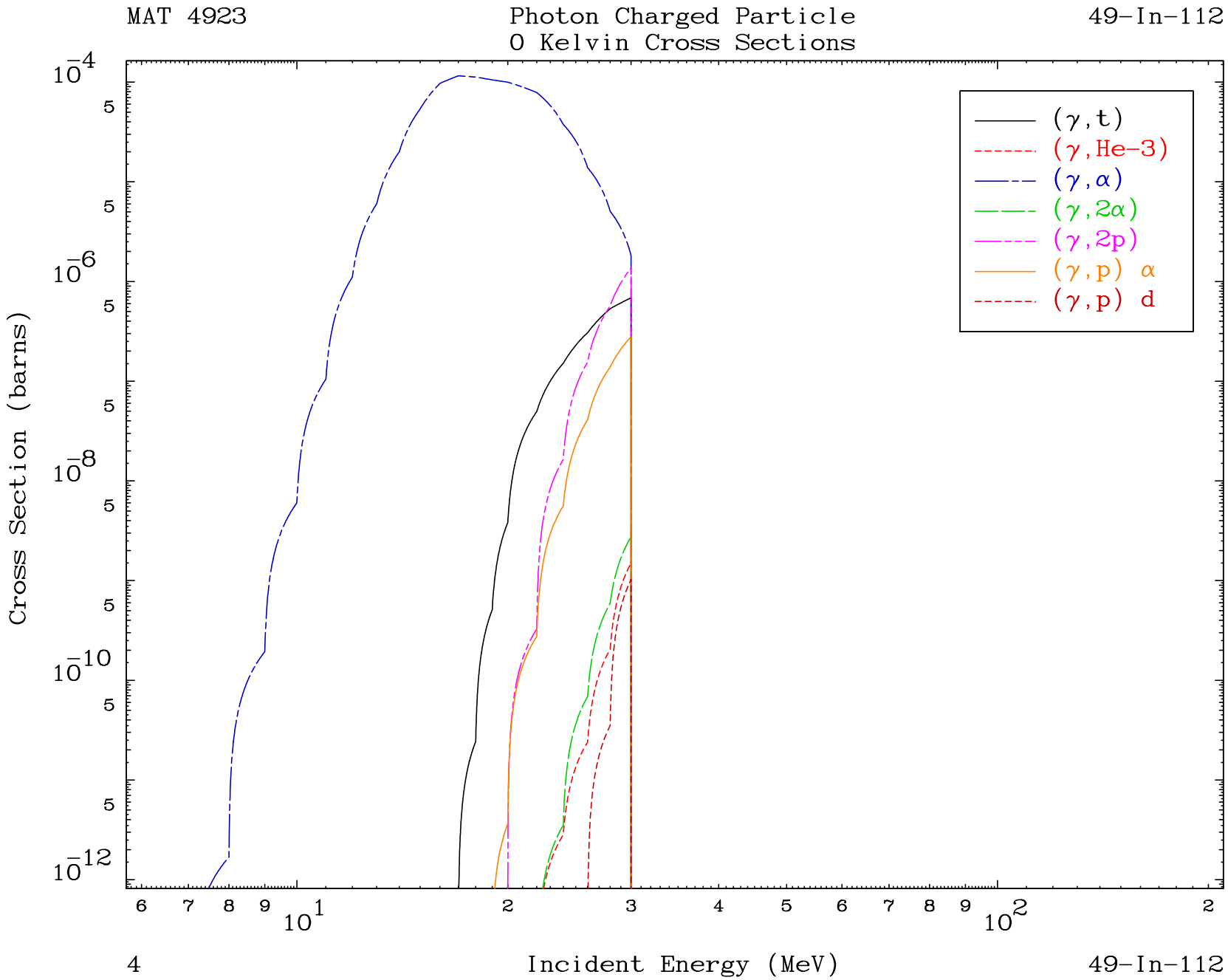
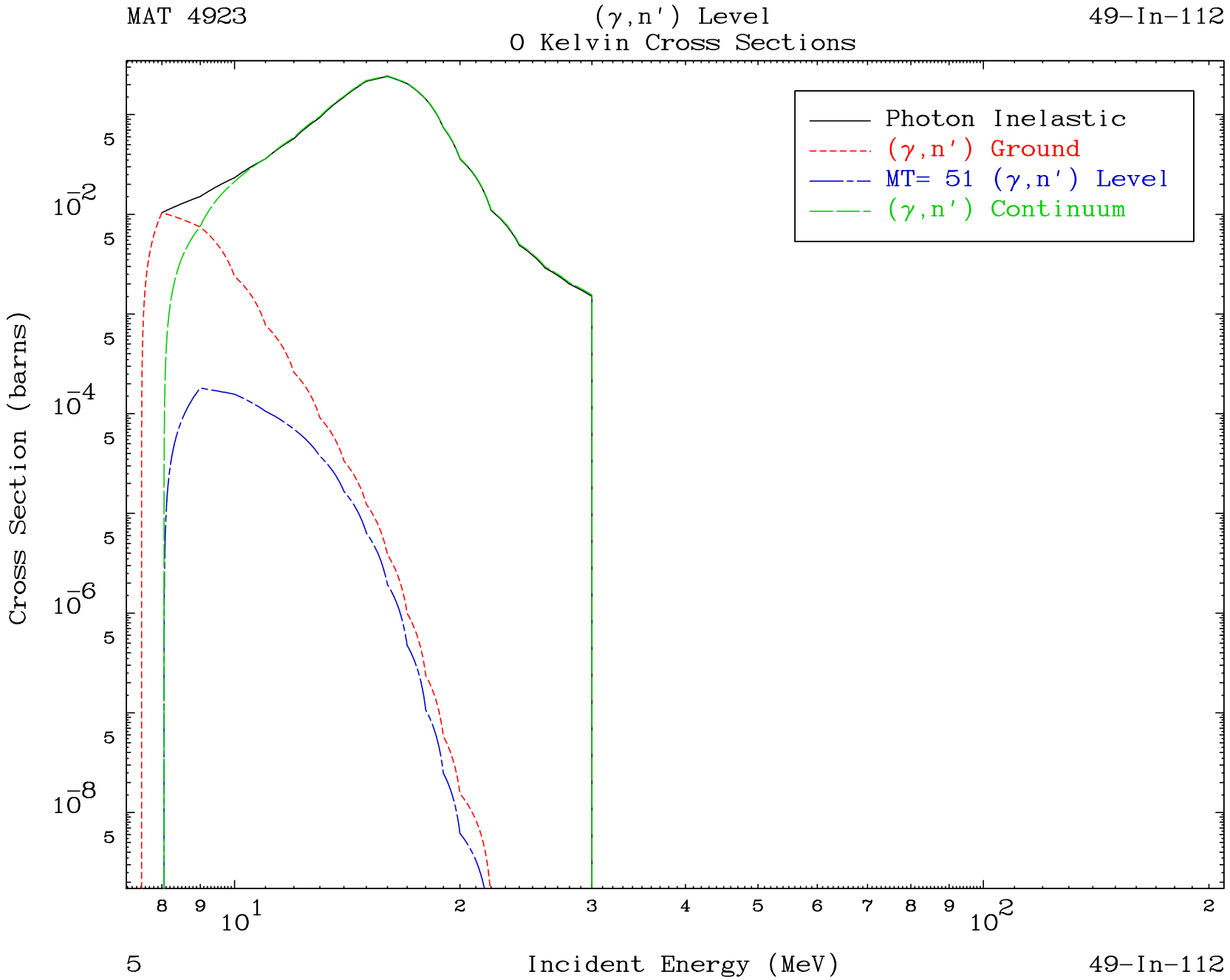
Press Mouse Button to Start

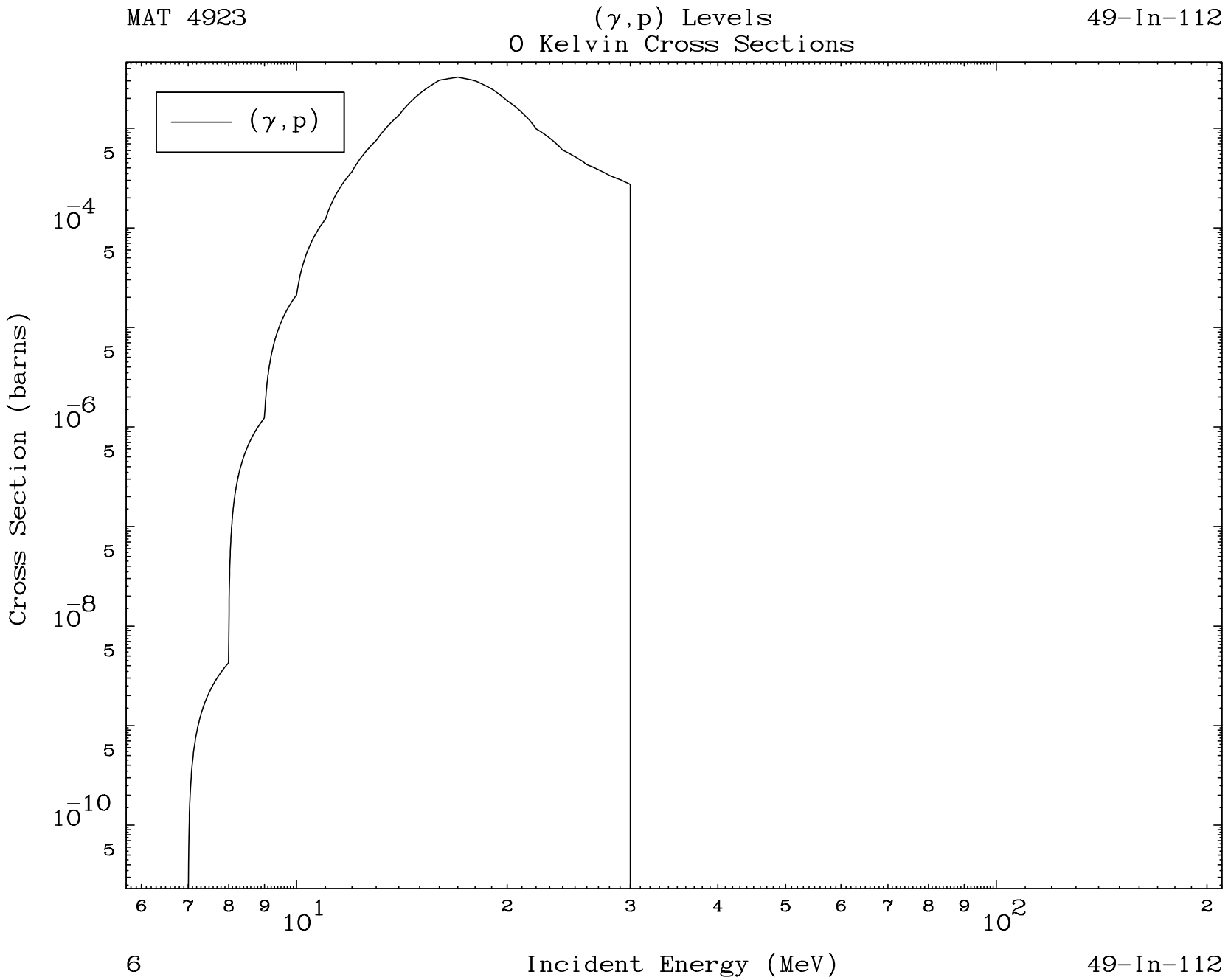

MAT 4923
Photon Major
49-In-112
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
49-In-112

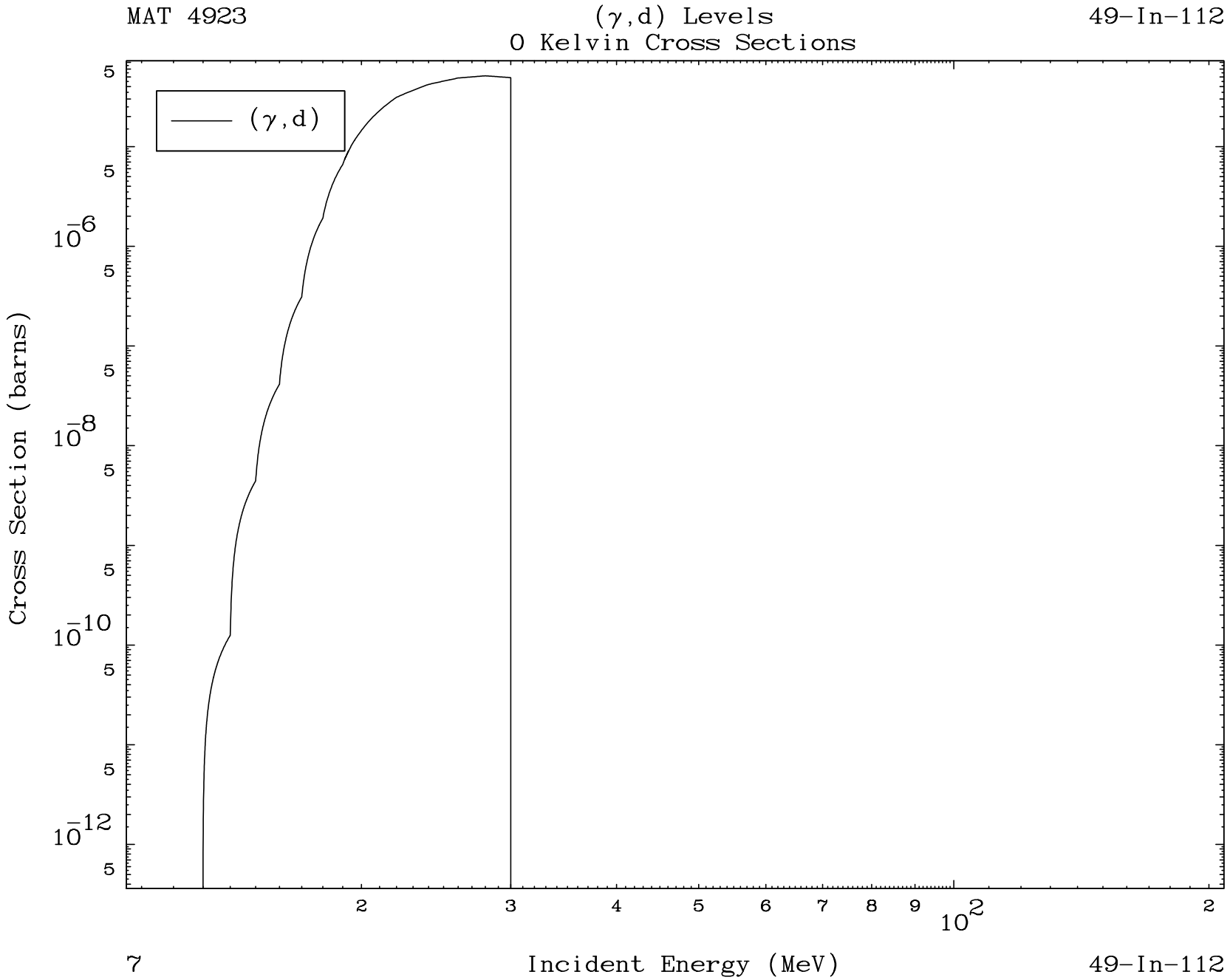

MAT 4923
Photon Neutron Production
0 Kelvin Cross Sections
49-In-112
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
Cross Section (barns)
Incident Energy (MeV)
49-In-112

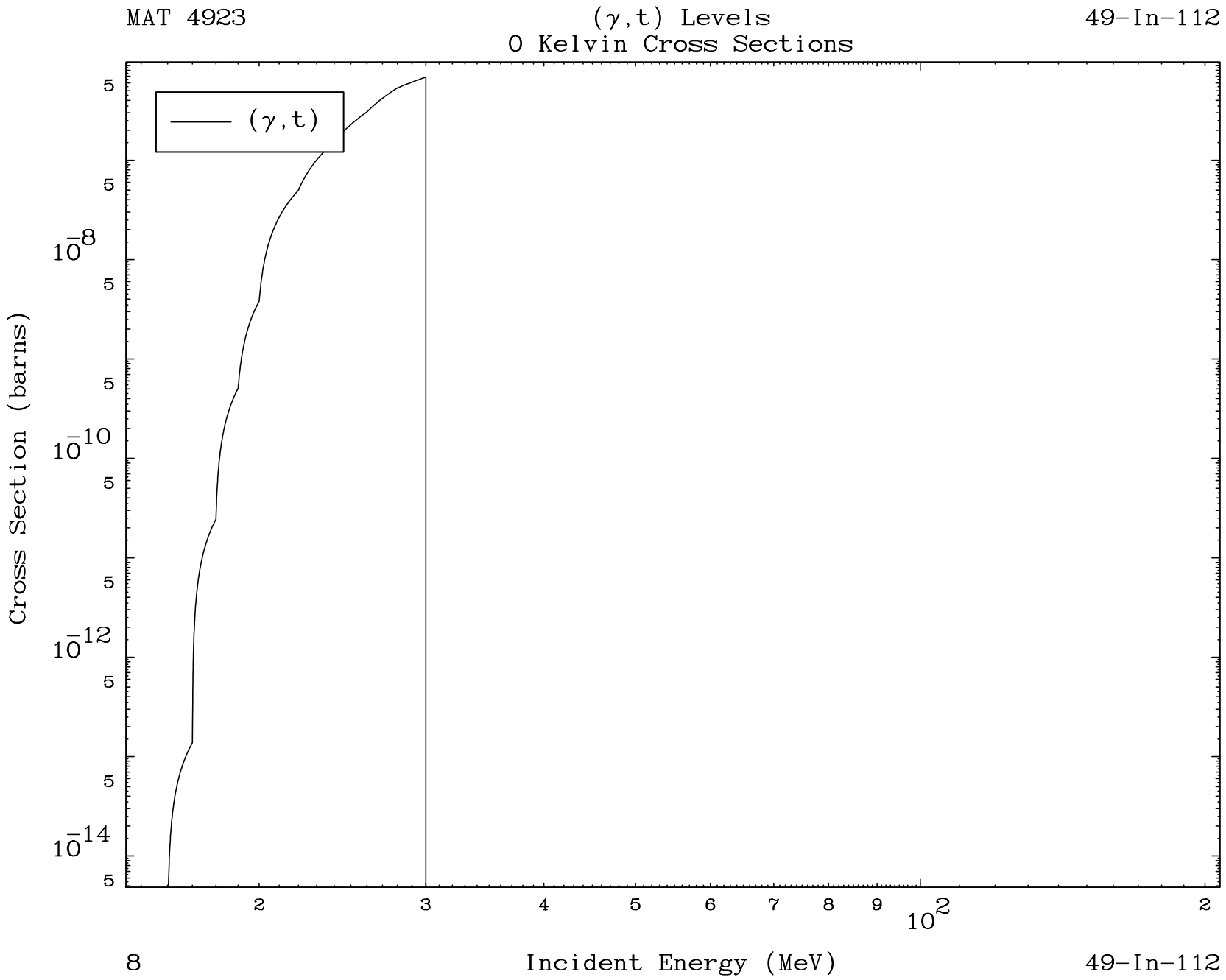

MAT 4923
Photon Charged Particle
0 Kelvin Cross Sections
49-In-112
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
3
49-In-112

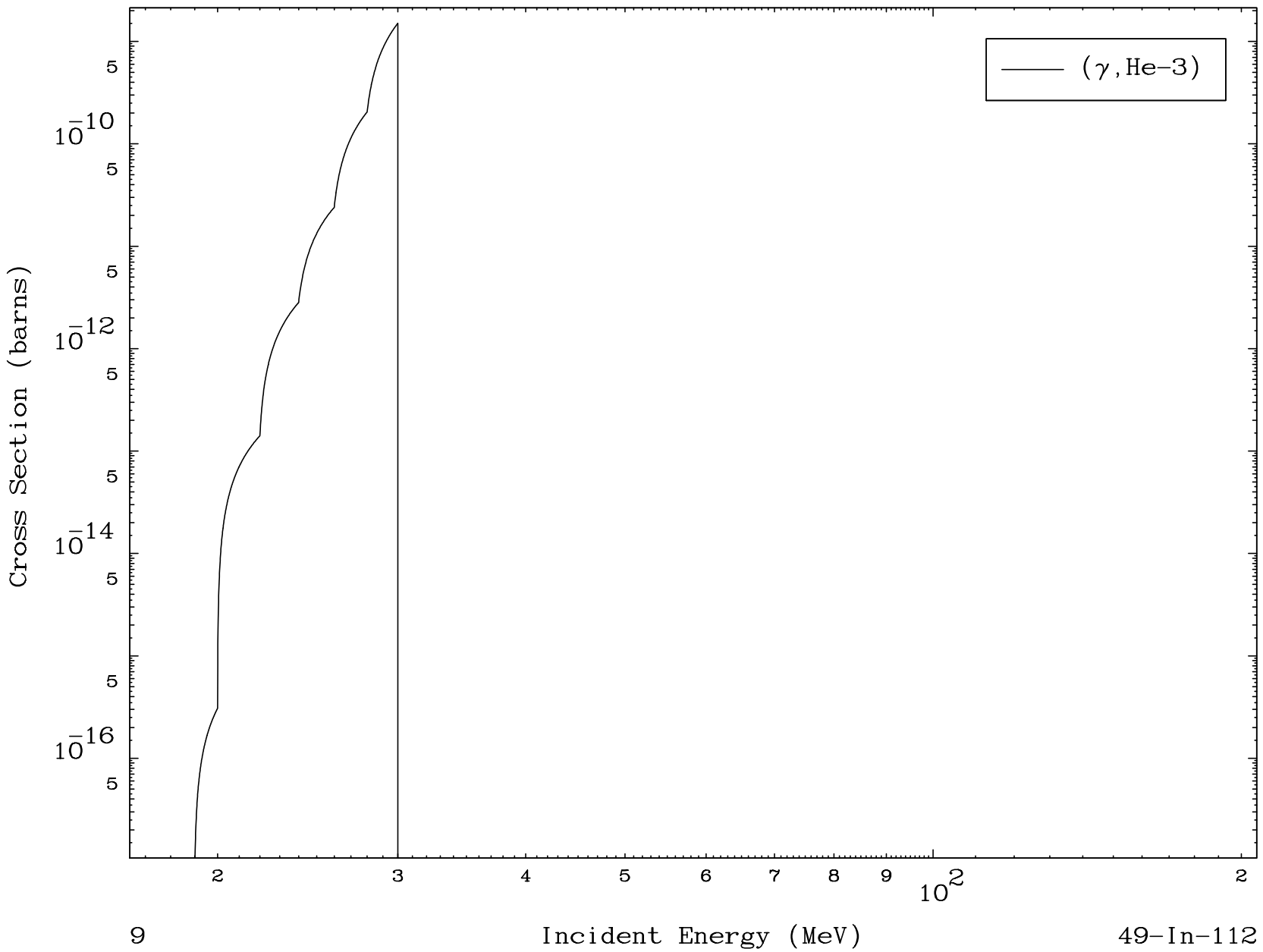

MAT 4923
Photon Charged Particle
0 Kelvin Cross Sections
49-In-112
Cross Section (barns)
Incident Energy (MeV)
(γ,t)
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
4
49-In-112

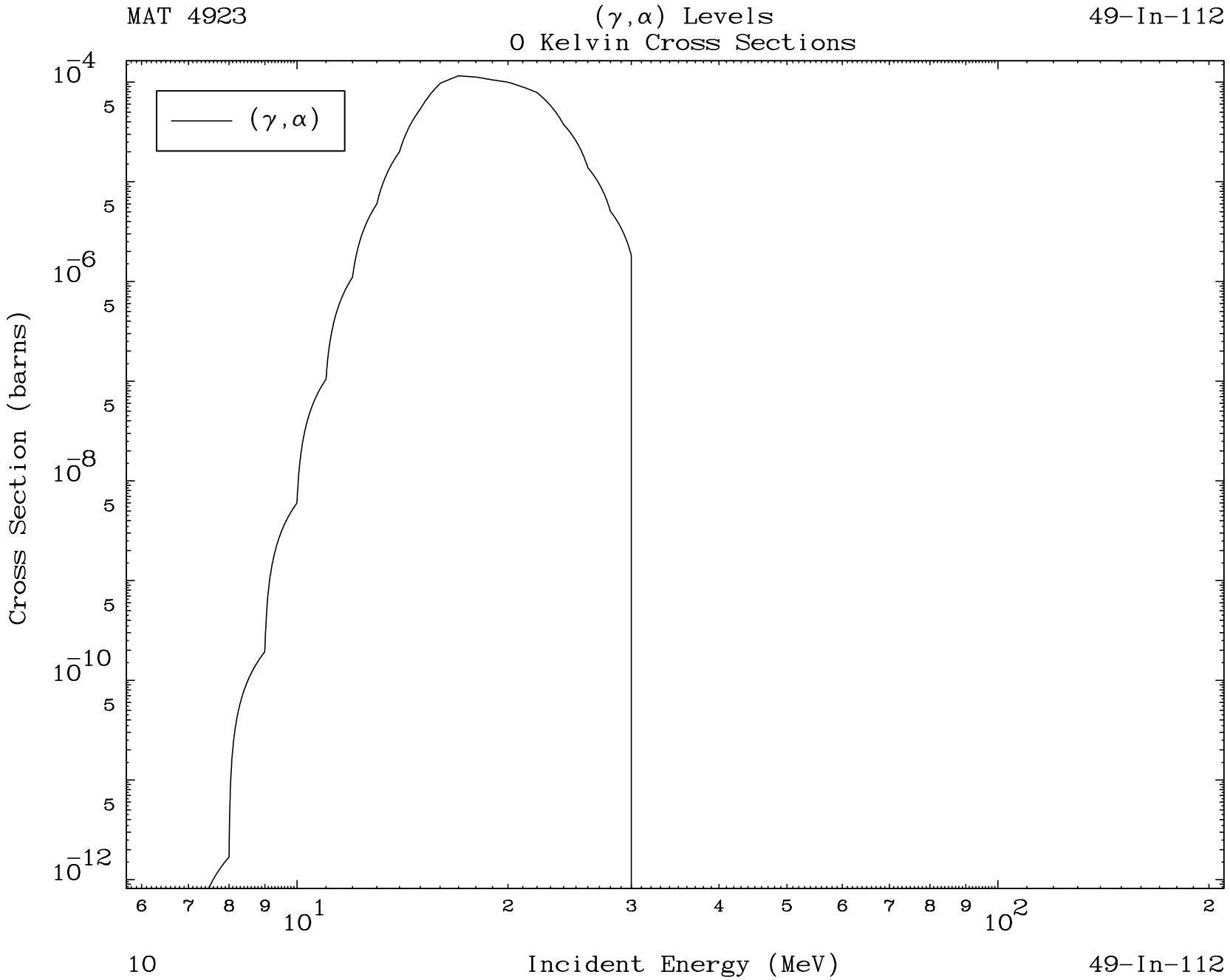

MAT 4923
(γ,n') Level
49-In-112
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
5
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
5
49-In-112

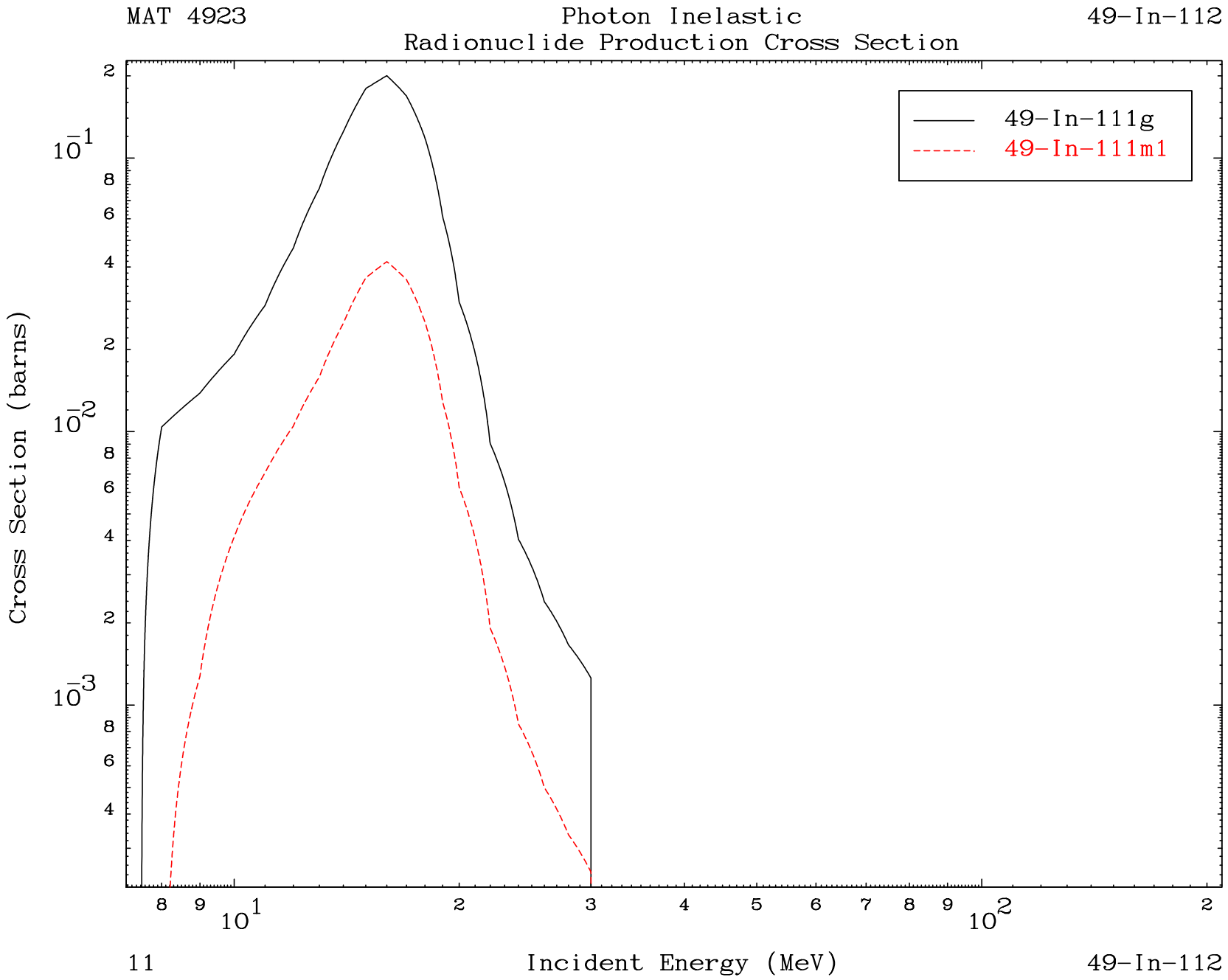

MAT 4923
(γ,p) Levels
49-In-112
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
49-In-112

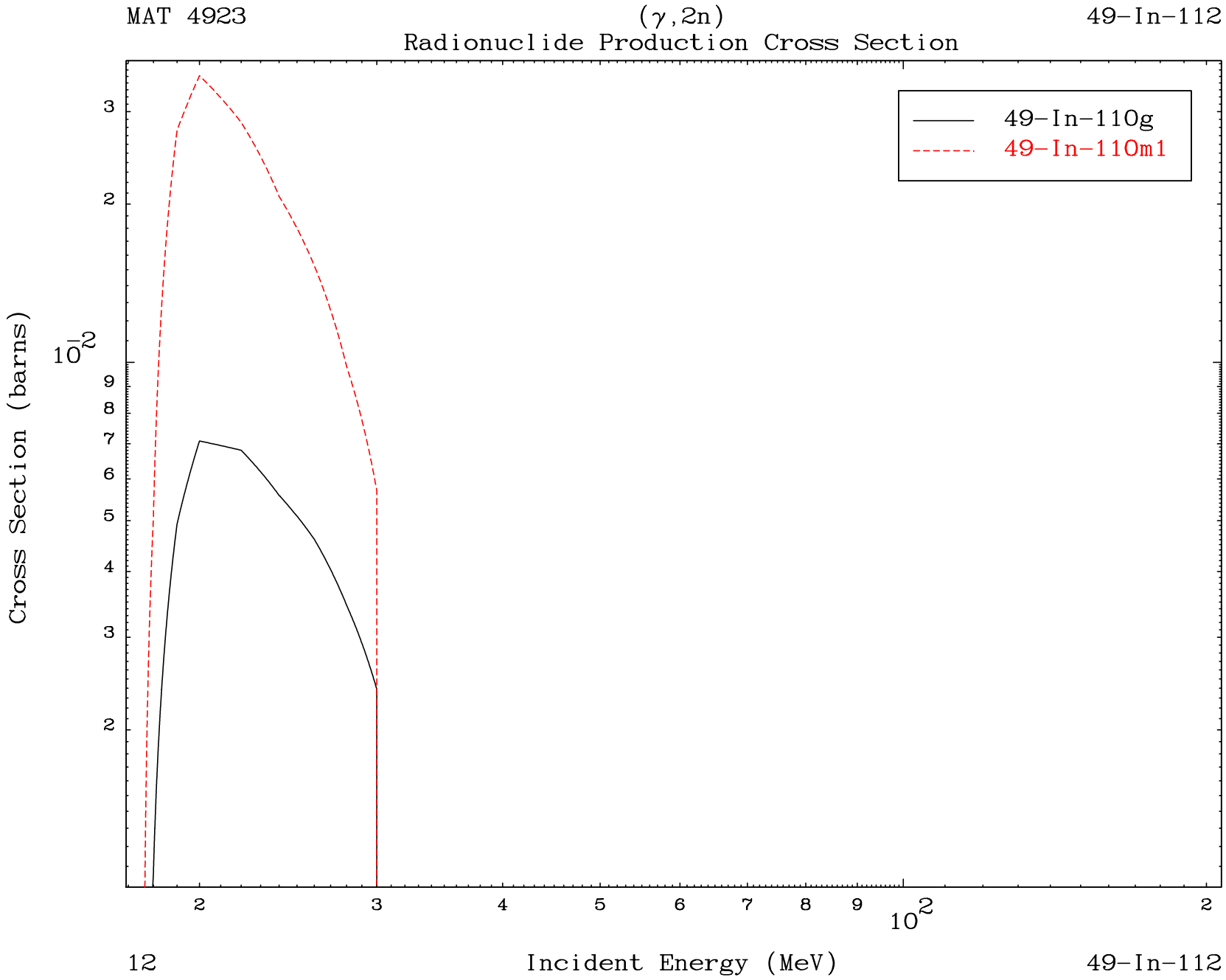

MAT 4923
(γ,d) Levels
49-In-112
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
49-In-112

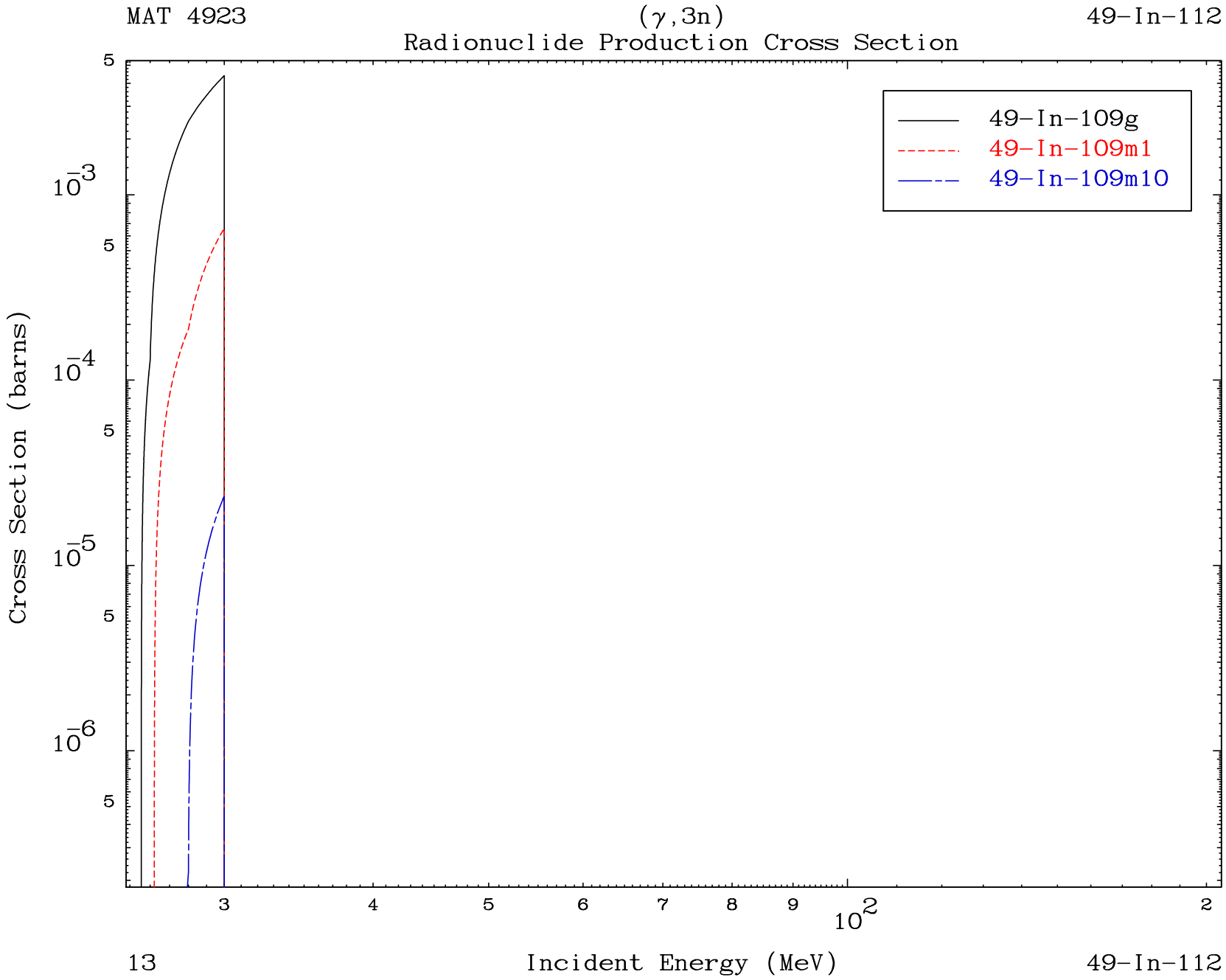

MAT 4923
(γ,t) Levels
49-In-112
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
8
Incident Energy (MeV)
49-In-112

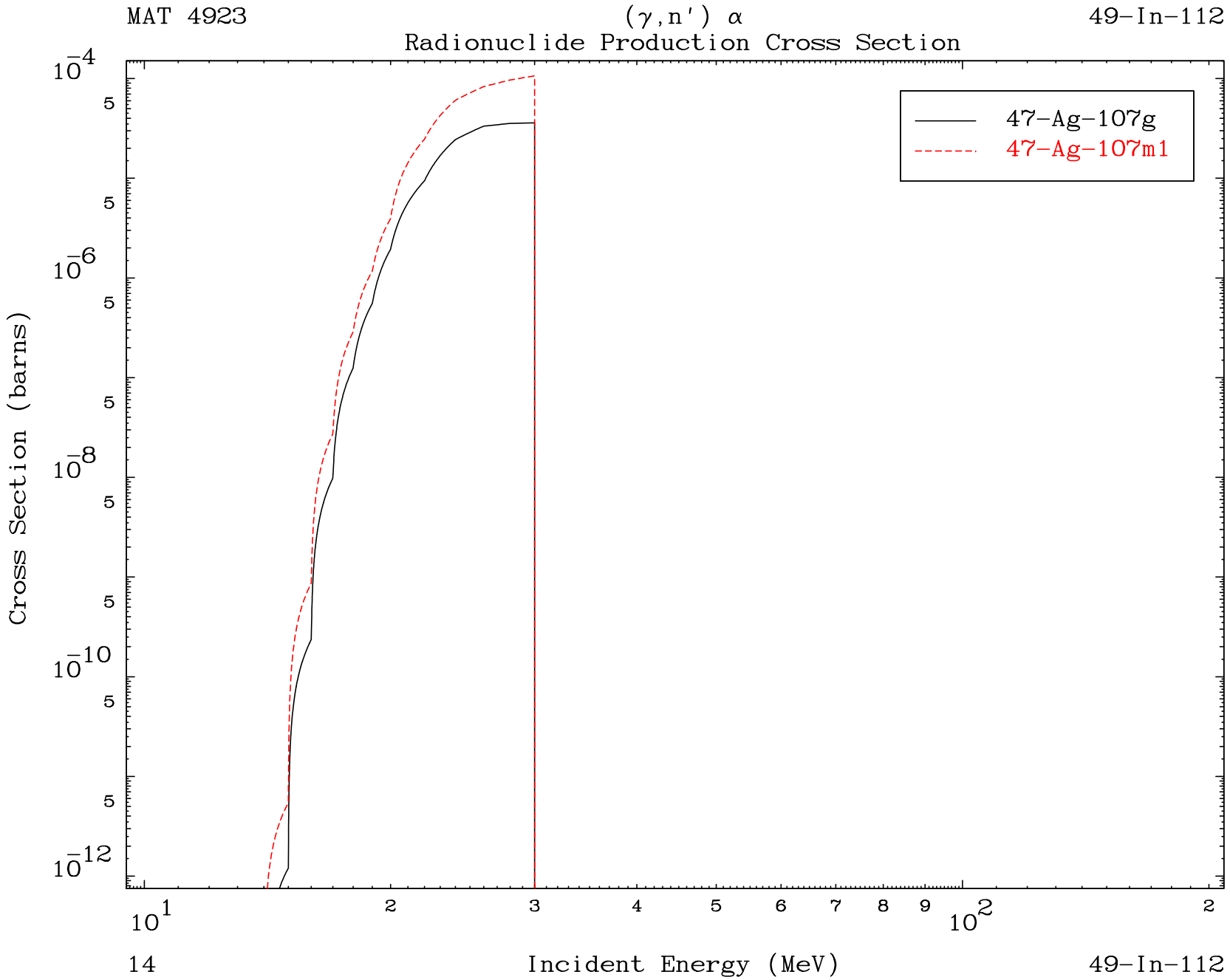

0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

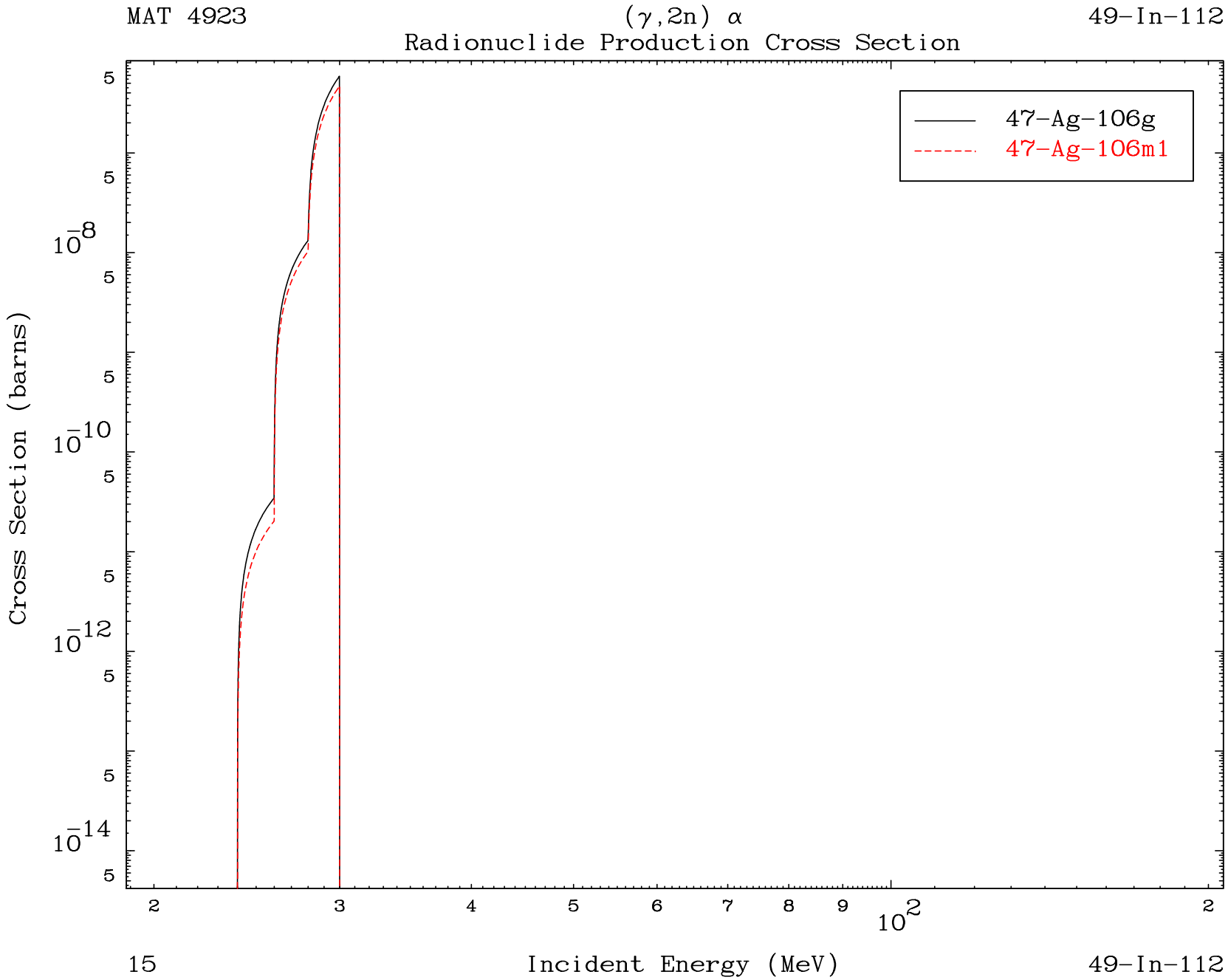

MAT 4923
(γ,α) Levels
49-In-112
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
10^1
10^2
10
Incident Energy (MeV)
49-In-112

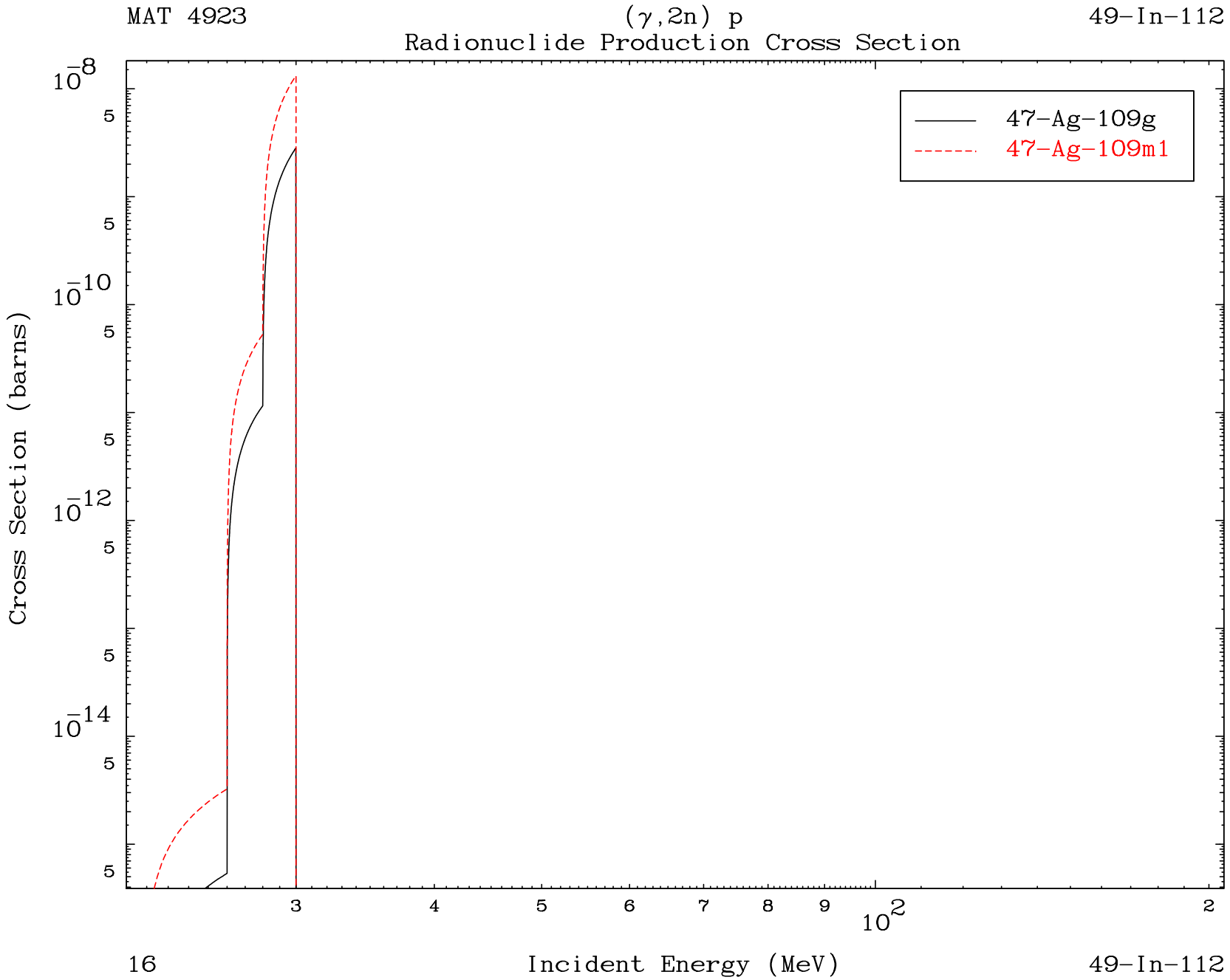

MAT 4923
Photon Inelastic
49-In-112
Radionuclide Production Cross Section
49-In-111g
49-In-111m1
Cross Section (barns)
Incident Energy (MeV)
11
49-In-112

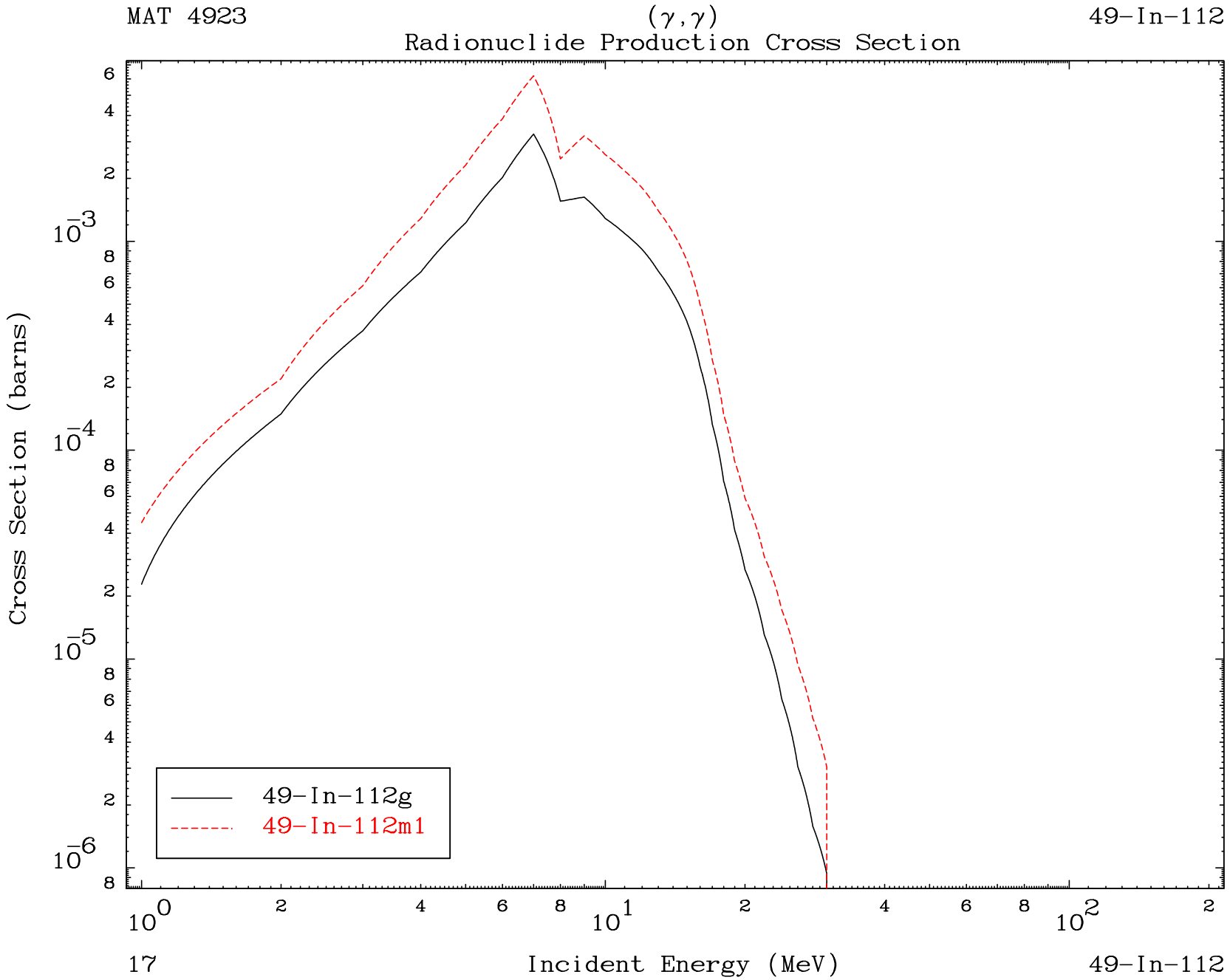

MAT 4923
(γ,2n)
49-In-112
Radionuclide Production Cross Section
49-In-110g
49-In-110m1
Cross Section (barns)
10^-2
3
2
9
8
7
6
5
4
3
2
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
49-In-112

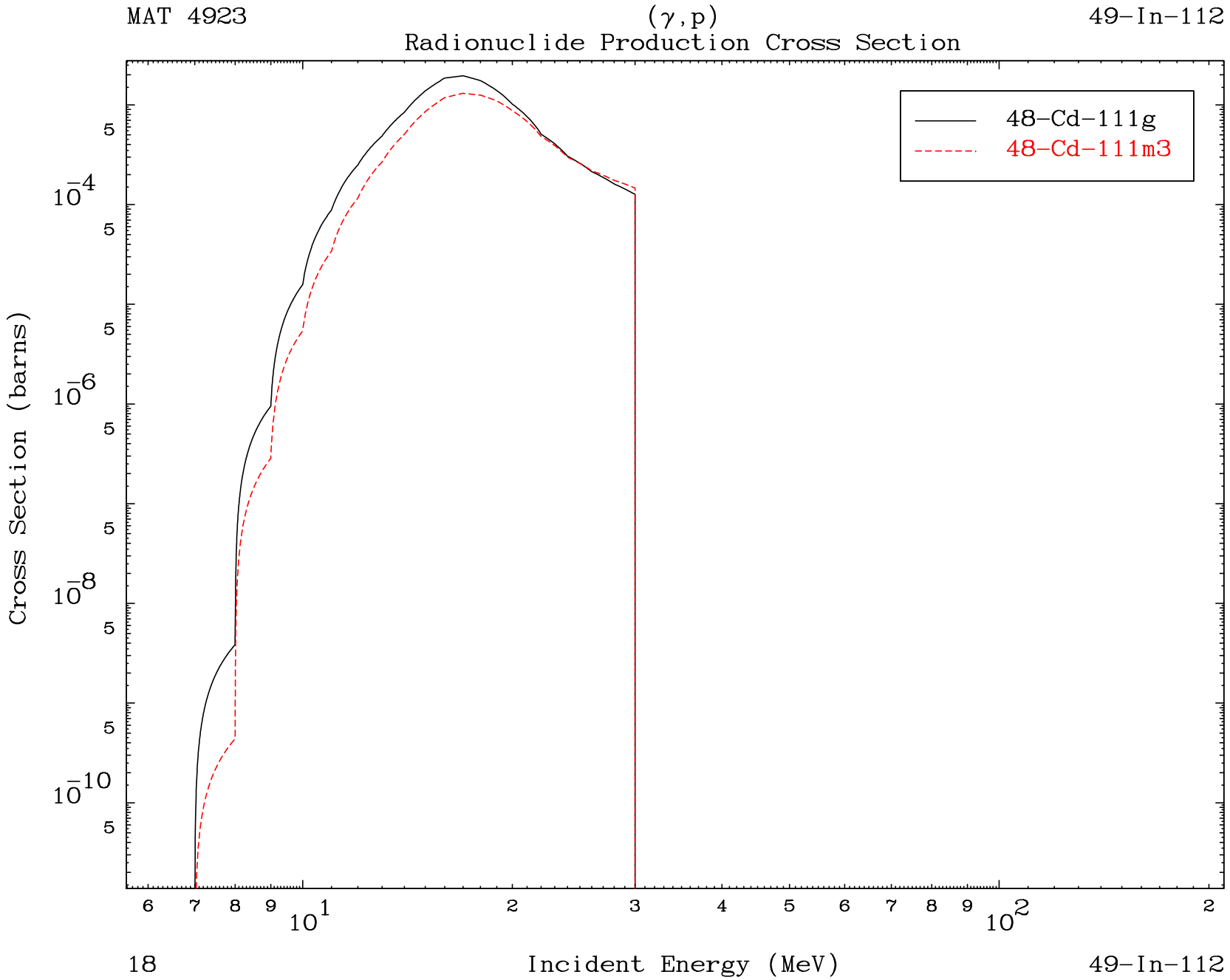

MAT 4923
(γ,3n)
49-In-112
Radionuclide Production Cross Section
49-In-109g
49-In-109m1
49-In-109m10
Cross Section (barns)
10-3
10-4
10-5
10-6
5
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
49-In-112

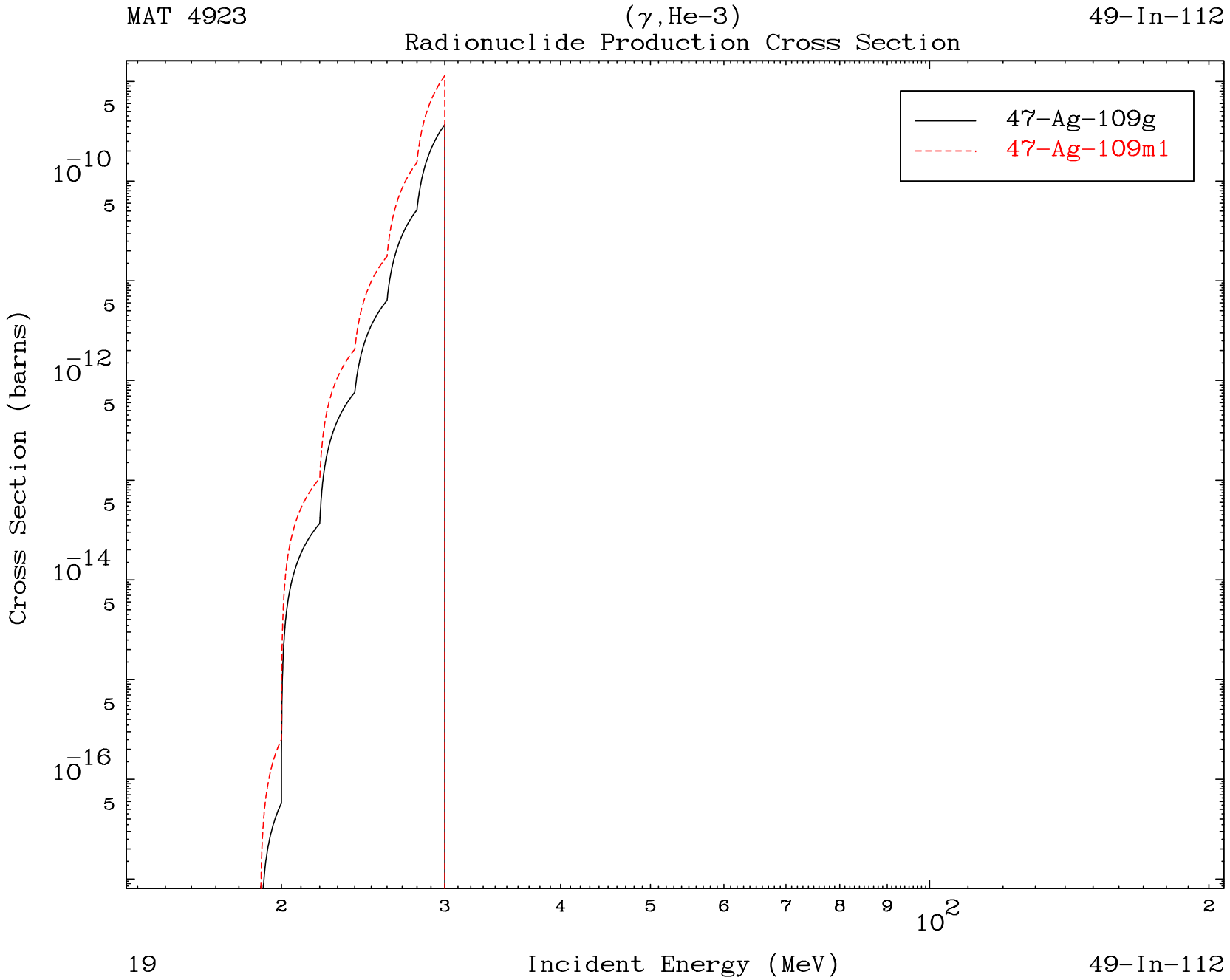

MAT 4923
(γ,n') α
49-In-112
Radionuclide Production Cross Section
47-Ag-107g
47-Ag-107m1
Cross Section (barns)
Incident Energy (MeV)
14
49-In-112

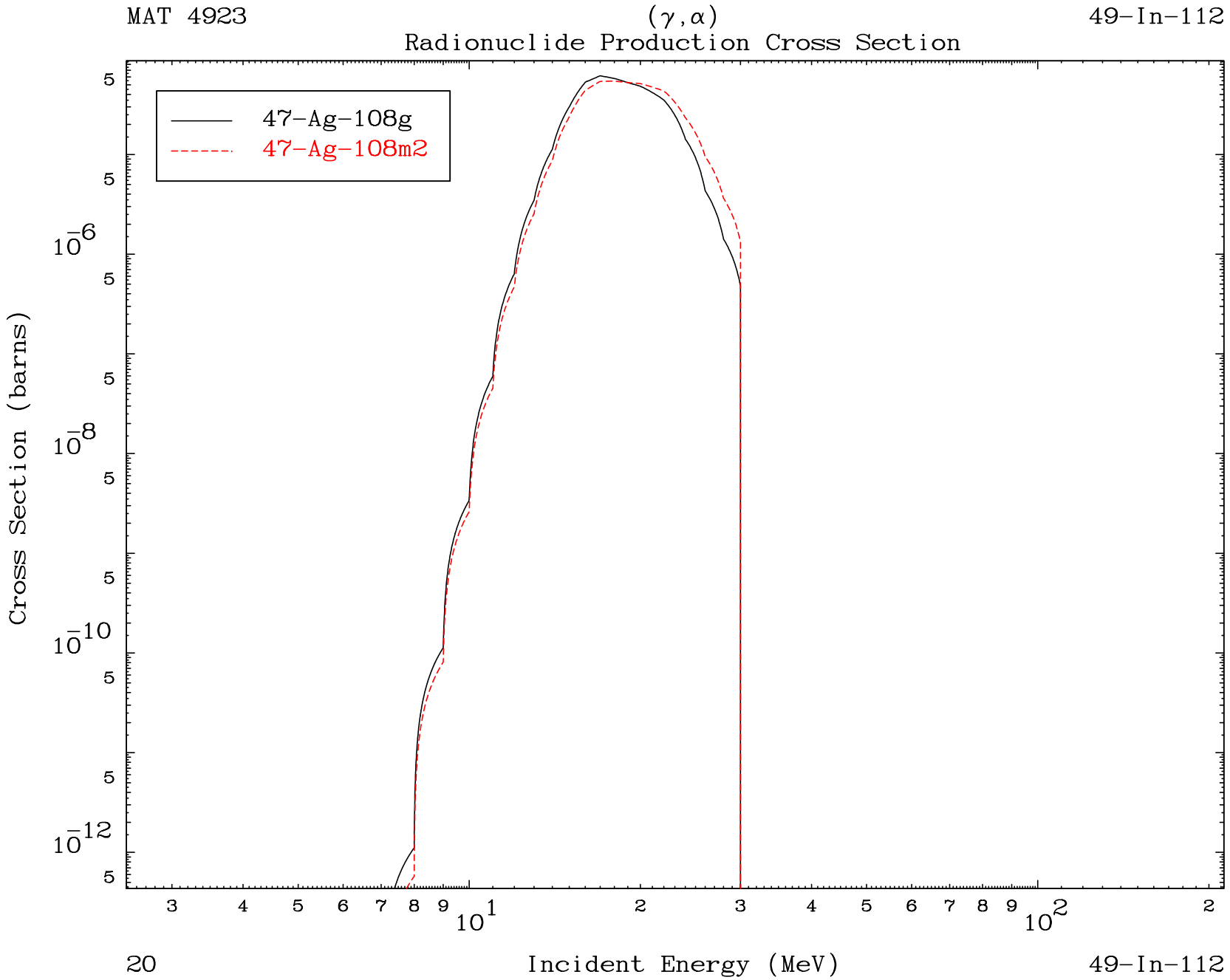

MAT 4923
(γ,2n) α
49-In-112
Radionuclide Production Cross Section
47-Ag-106g
47-Ag-106m1
Cross Section (barns)
Incident Energy (MeV)
15
49-In-112

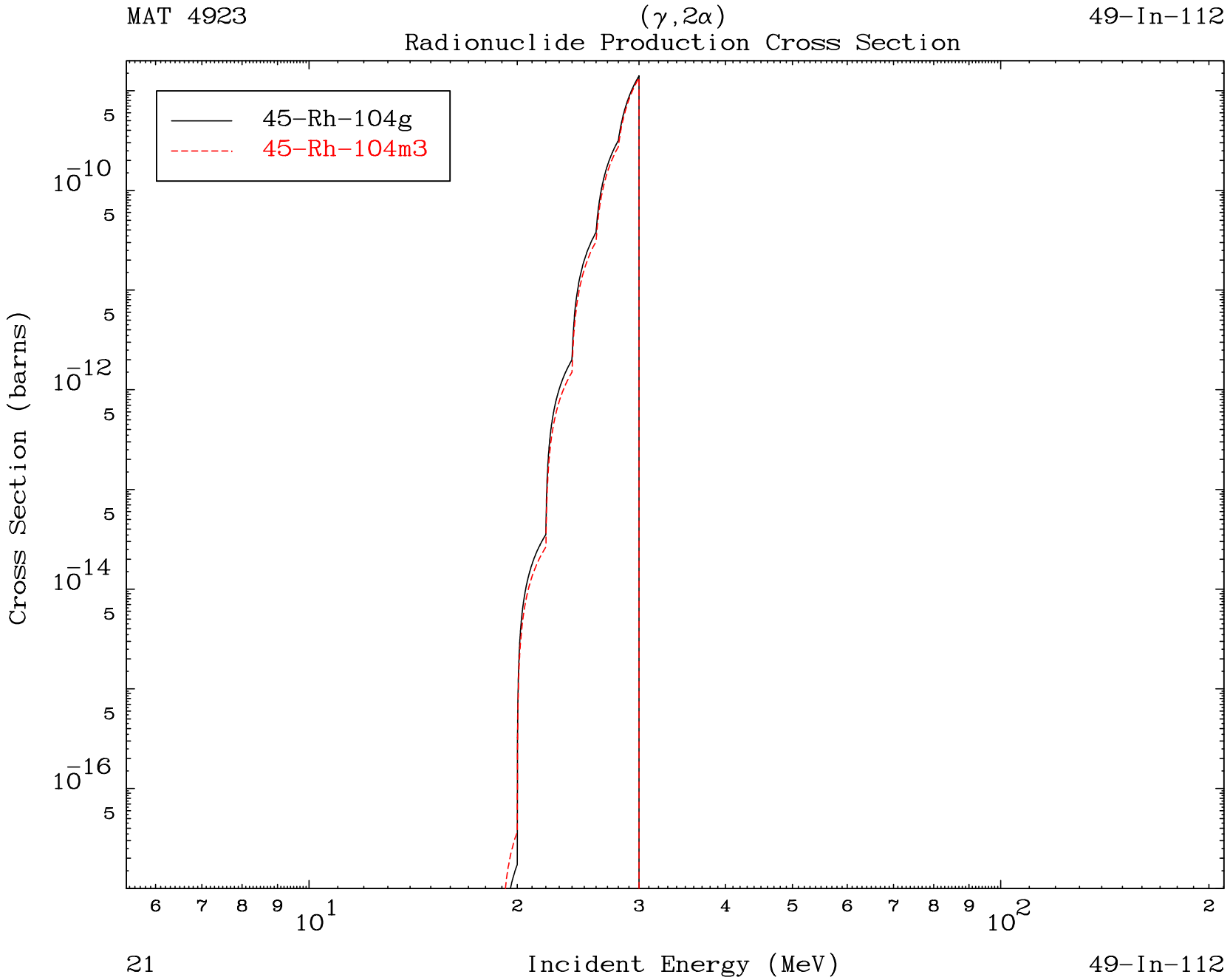

MAT 4923
(γ,2n) p
49-In-112
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
Incident Energy (MeV)
16
49-In-112

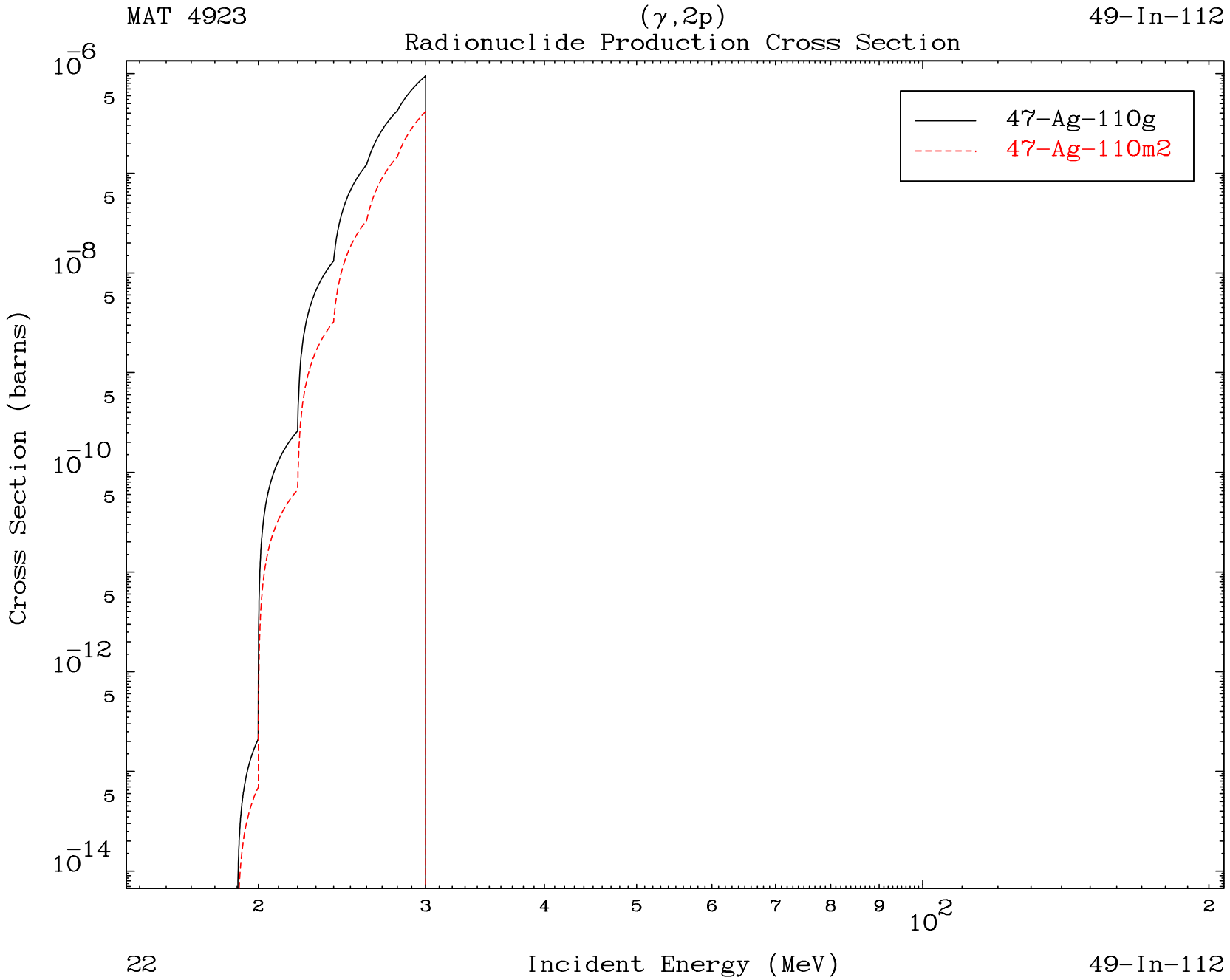

MAT 4923
(γ,γ)
49-In-112
Radionuclide Production Cross Section
Cross Section (barns)
10-3
10-4
10-5
10-6
100
101
102
Incident Energy (MeV)
49-In-112g
49-In-112m1
17
49-In-112

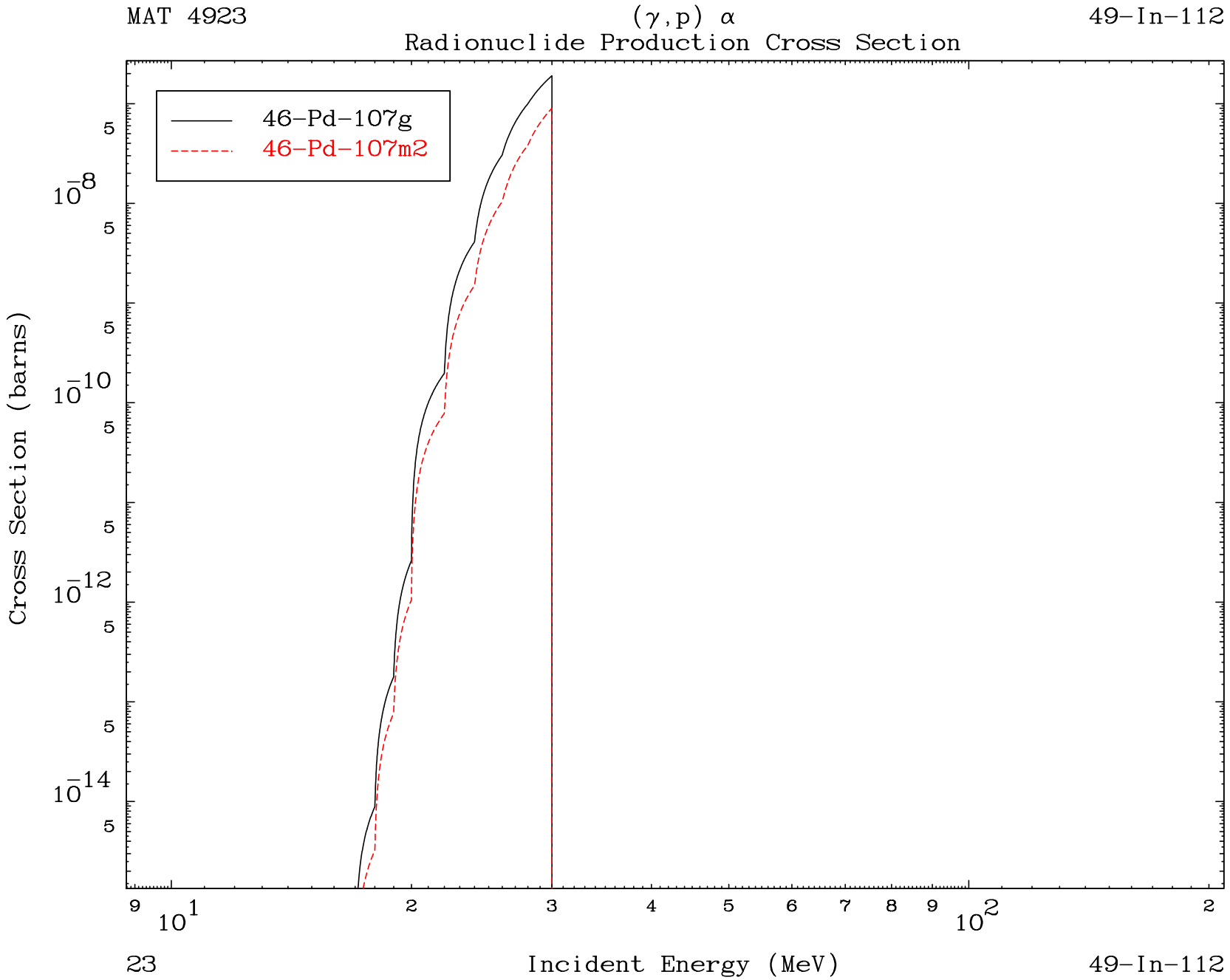

MAT 4923
(γ,p)
49-In-112
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
Incident Energy (MeV)
18
49-In-112

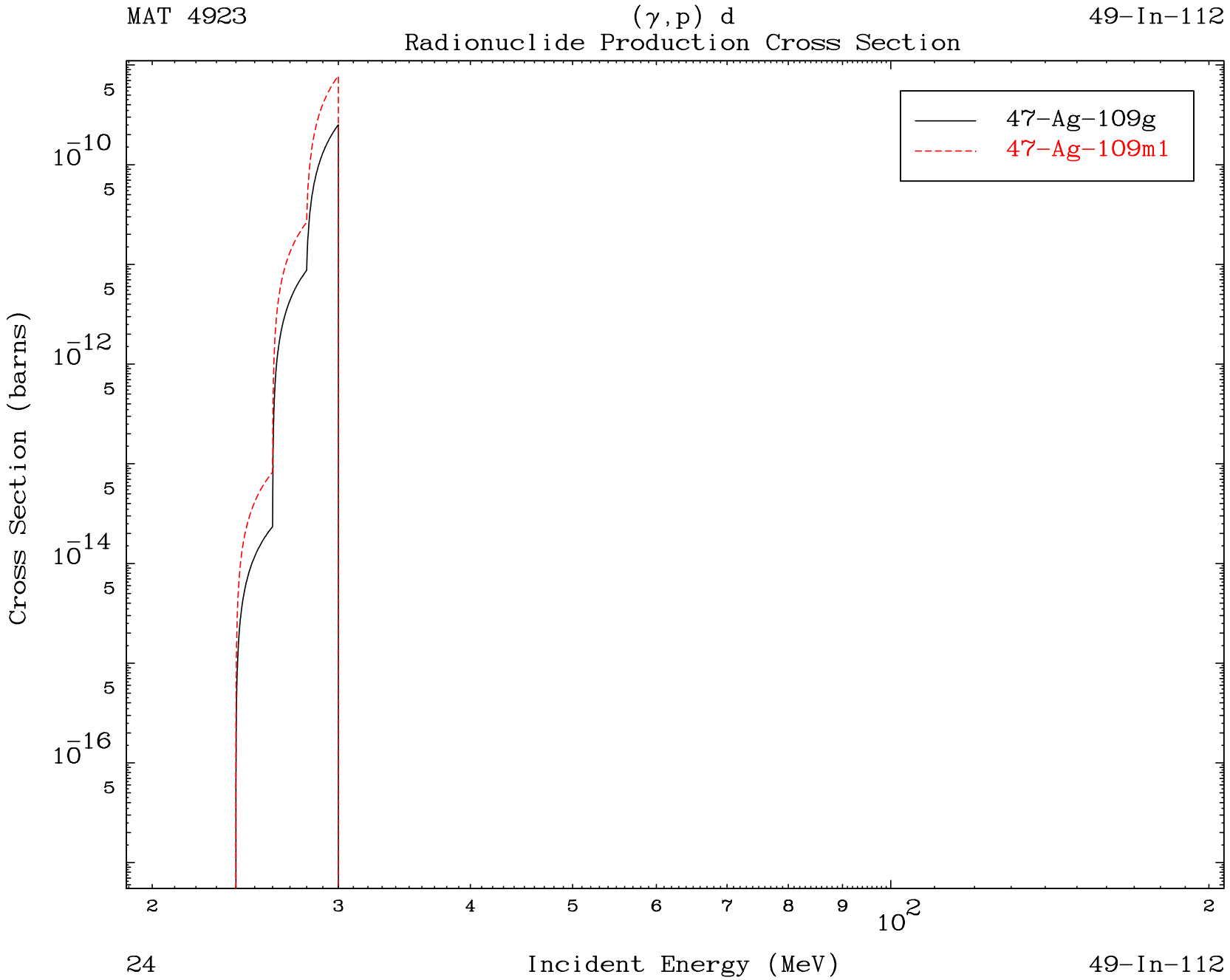

MAT 4923
(γ,He-3)
49-In-112
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
49-In-112


MAT 4923
(γ,α)
49-In-112
Radionuclide Production Cross Section
47-Ag-108g
47-Ag-108m2
Cross Section (barns)
Incident Energy (MeV)
20
49-In-112


MAT 4923
(γ,2α)
49-In-112
Radionuclide Production Cross Section
45-Rh-104g
45-Rh-104m3
Cross Section (barns)
Incident Energy (MeV)
21
49-In-112


MAT 4923
(γ,2p)
49-In-112
Radionuclide Production Cross Section
47-Ag-110g
47-Ag-110m2
Cross Section (barns)
Incident Energy (MeV)
22
49-In-112


MAT 4923
(γ,p) α
49-In-112
Radionuclide Production Cross Section
46-Pd-107g
46-Pd-107m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
23
Incident Energy (MeV)
49-In-112


MAT 4923
(γ,p) d
49-In-112
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
Incident Energy (MeV)
24
49-In-112