Program EVALPLOT
(Version 2021-1)
by
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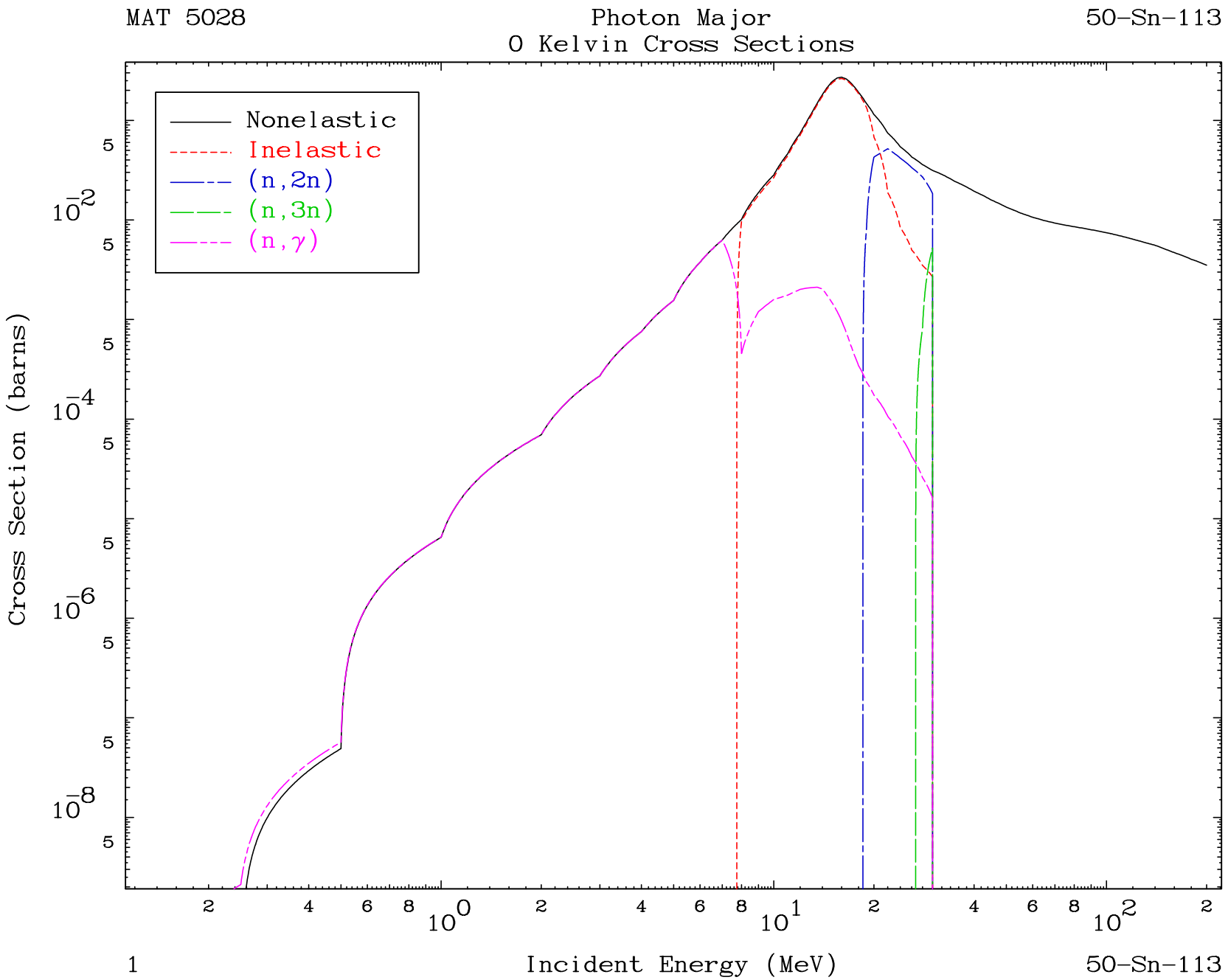
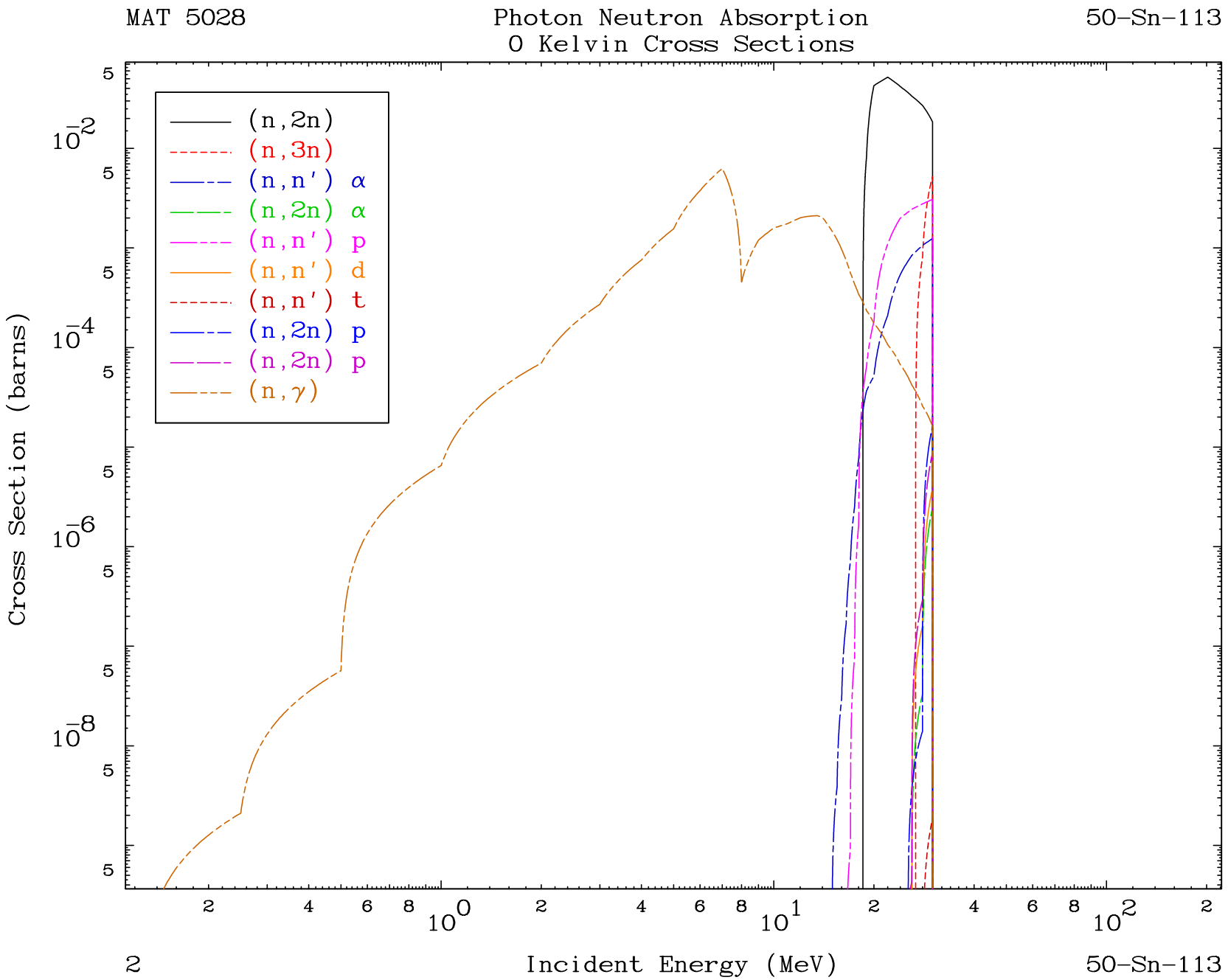
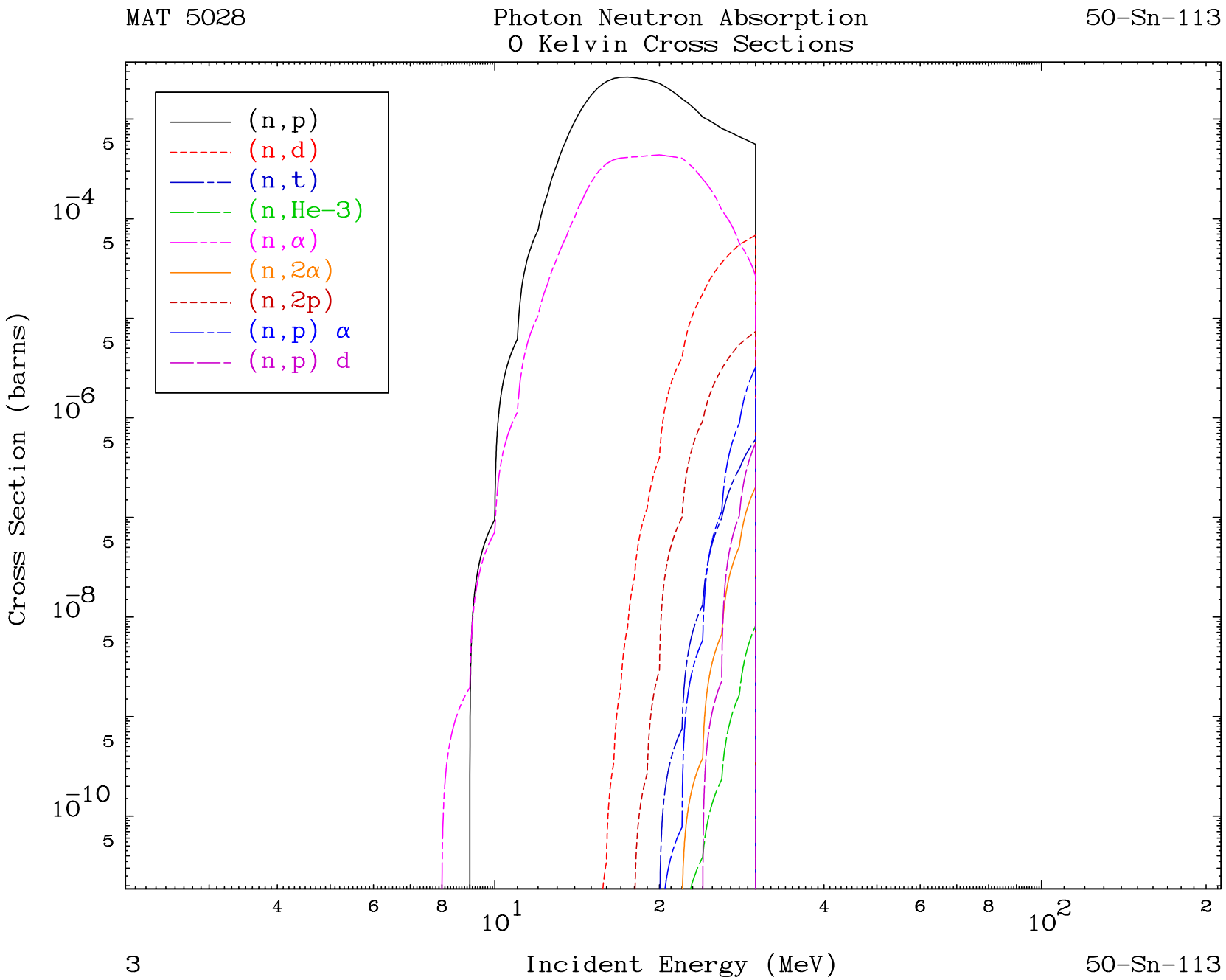
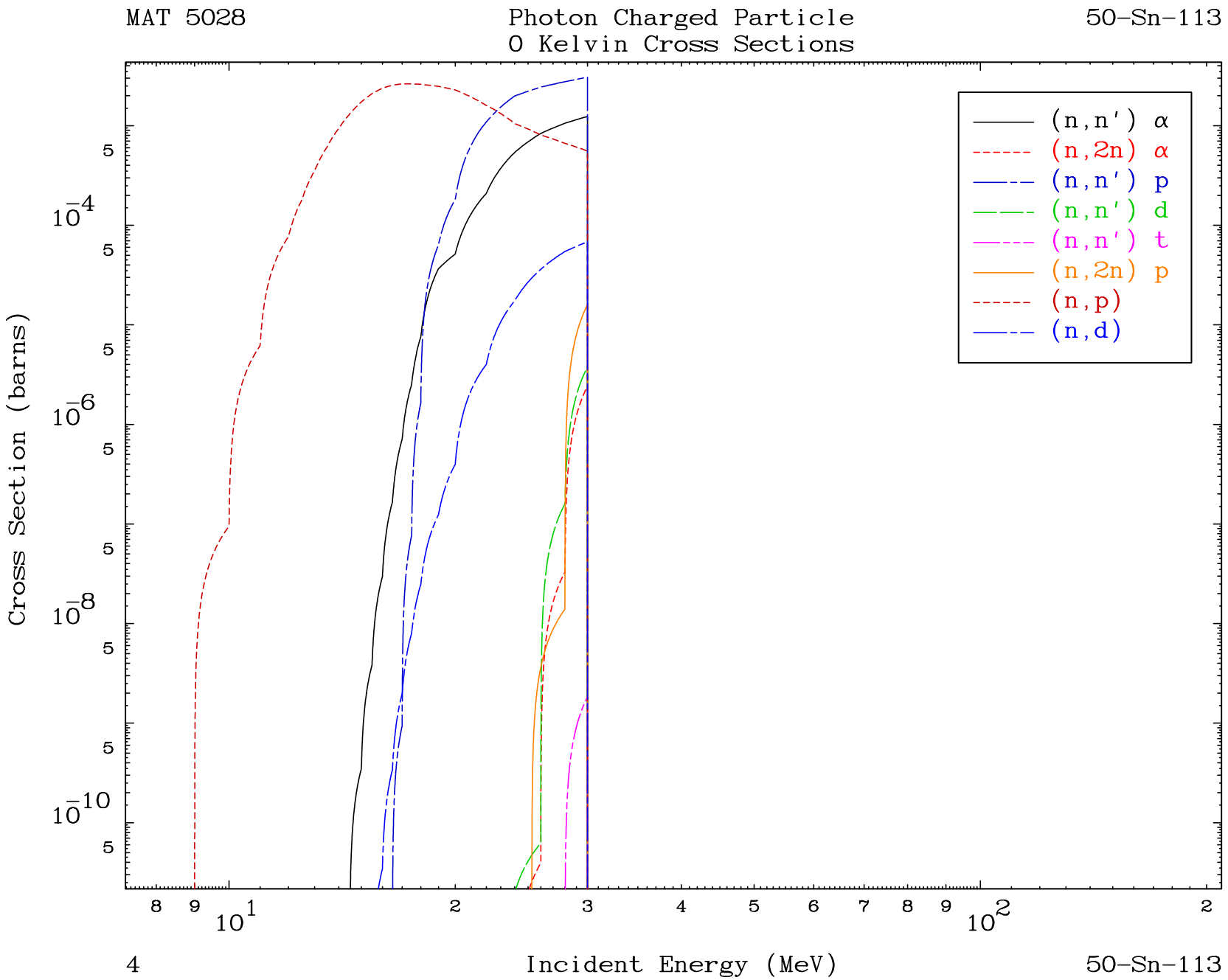
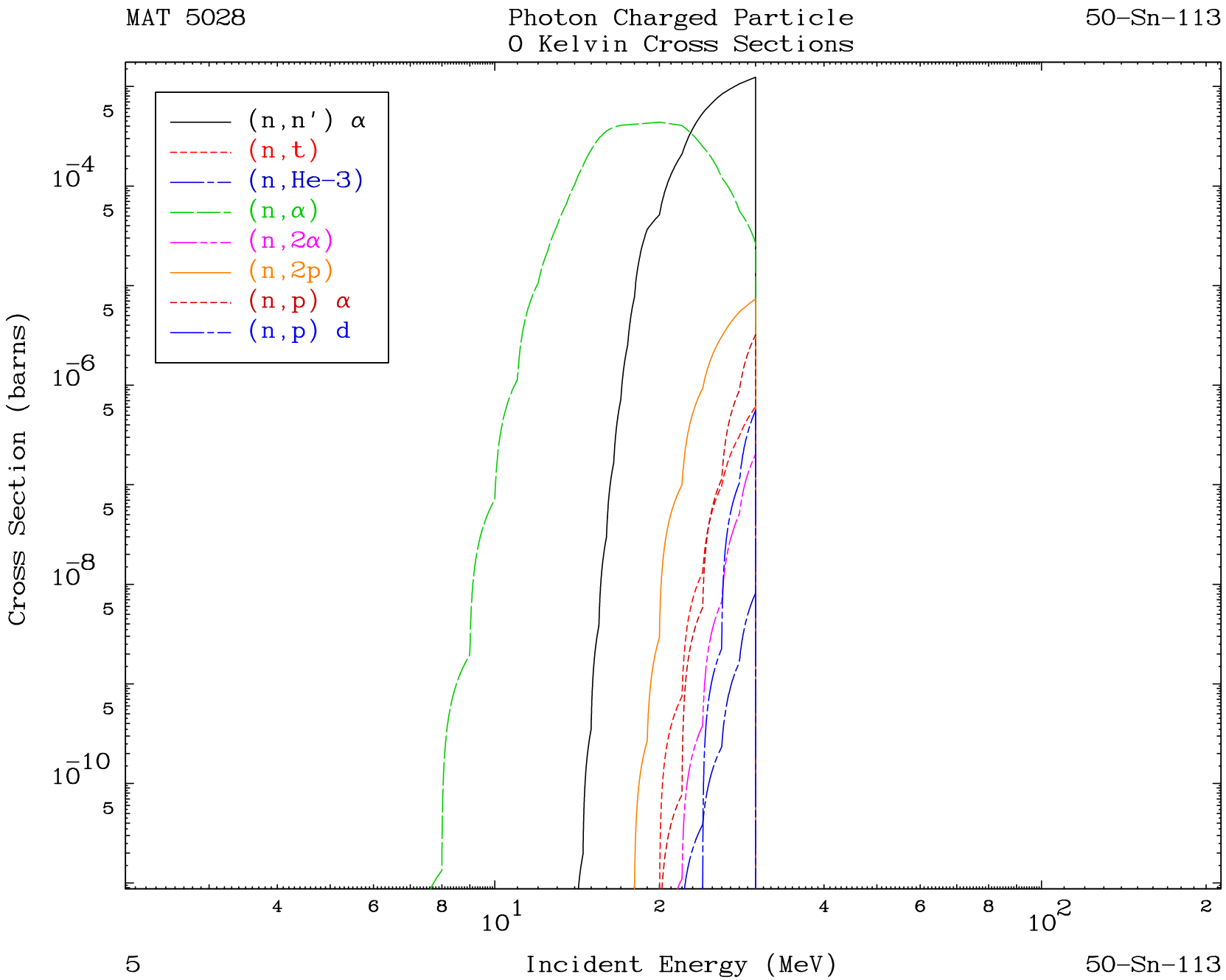
Press Mouse Button to Start

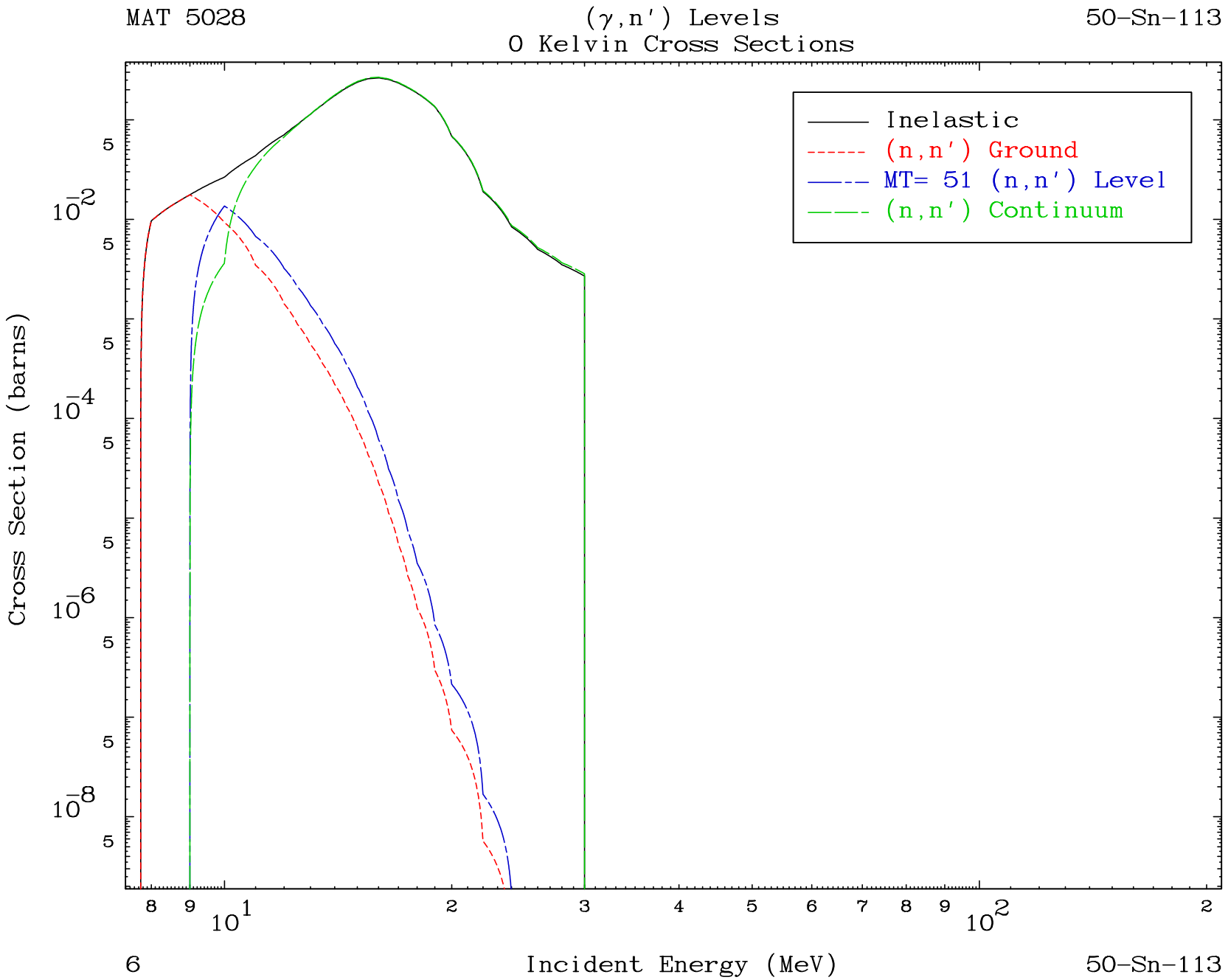

MAT 5028
Photon Major
50-Sn-113
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
1
50-Sn-113

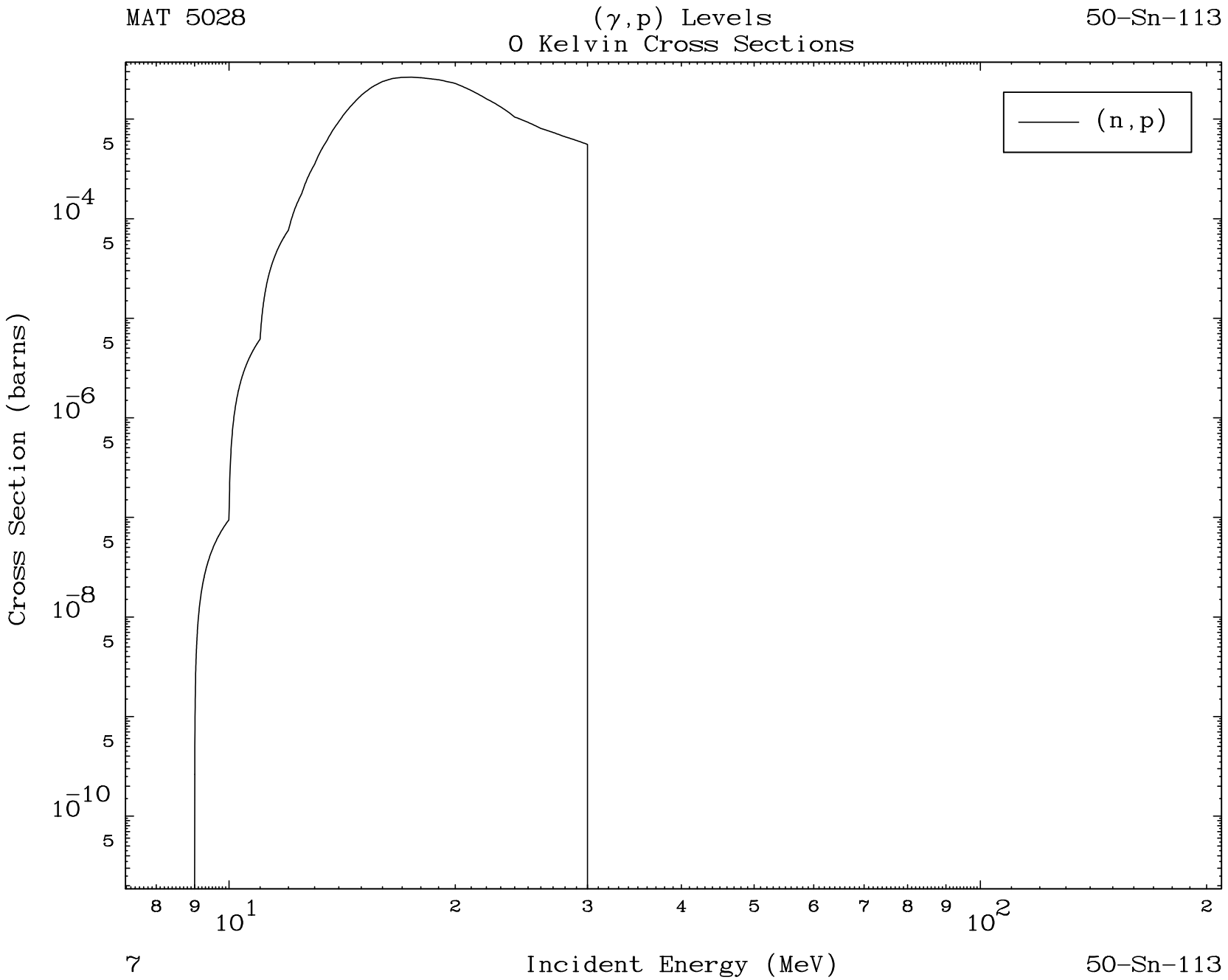

MAT 5028
Photon Neutron Absorption
0 Kelvin Cross Sections
50-Sn-113
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,2n) p
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
50-Sn-113
2

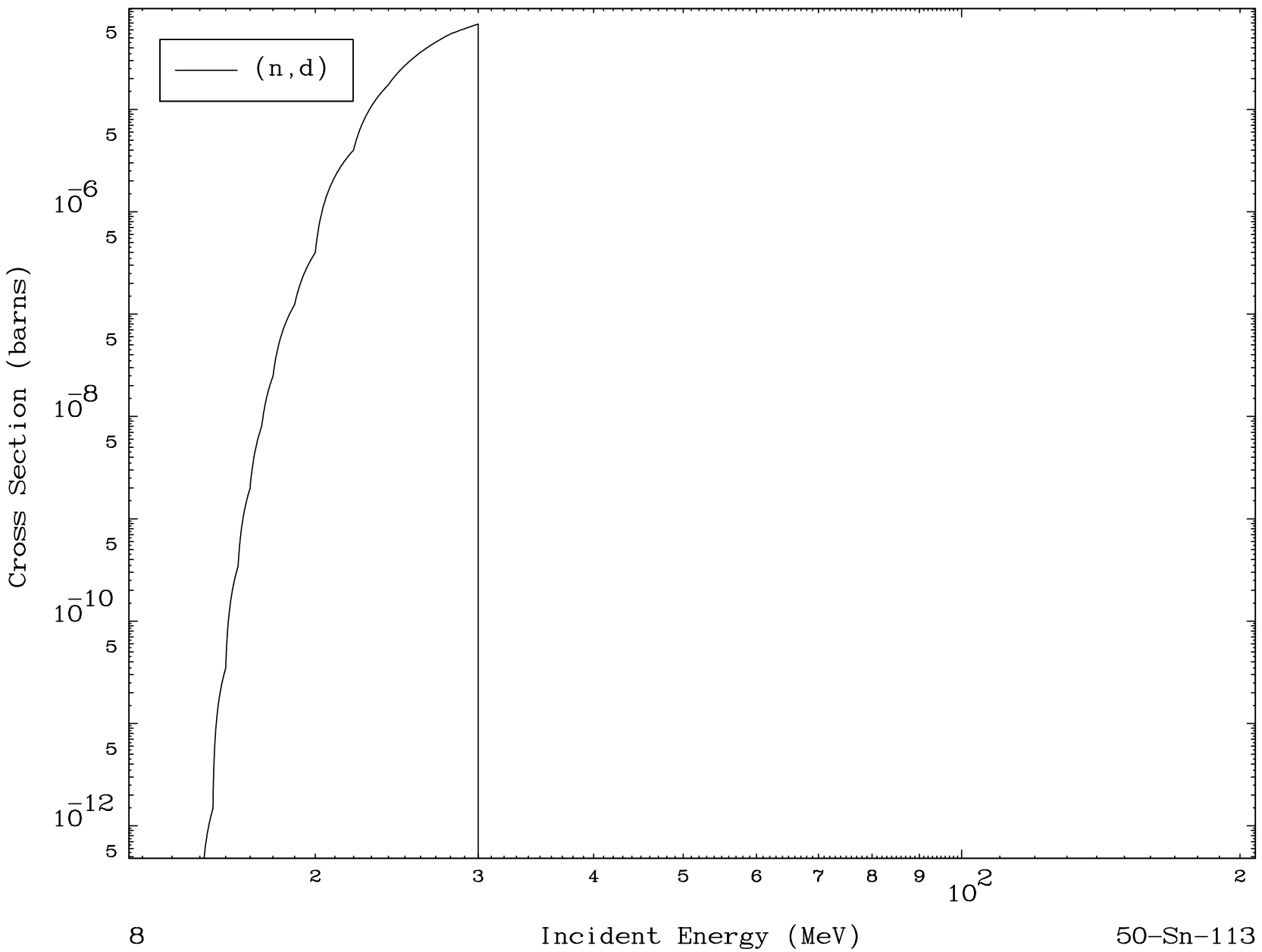

MAT 5028
Photon Neutron Absorption
0 Kelvin Cross Sections
50-Sn-113
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
3
50-Sn-113

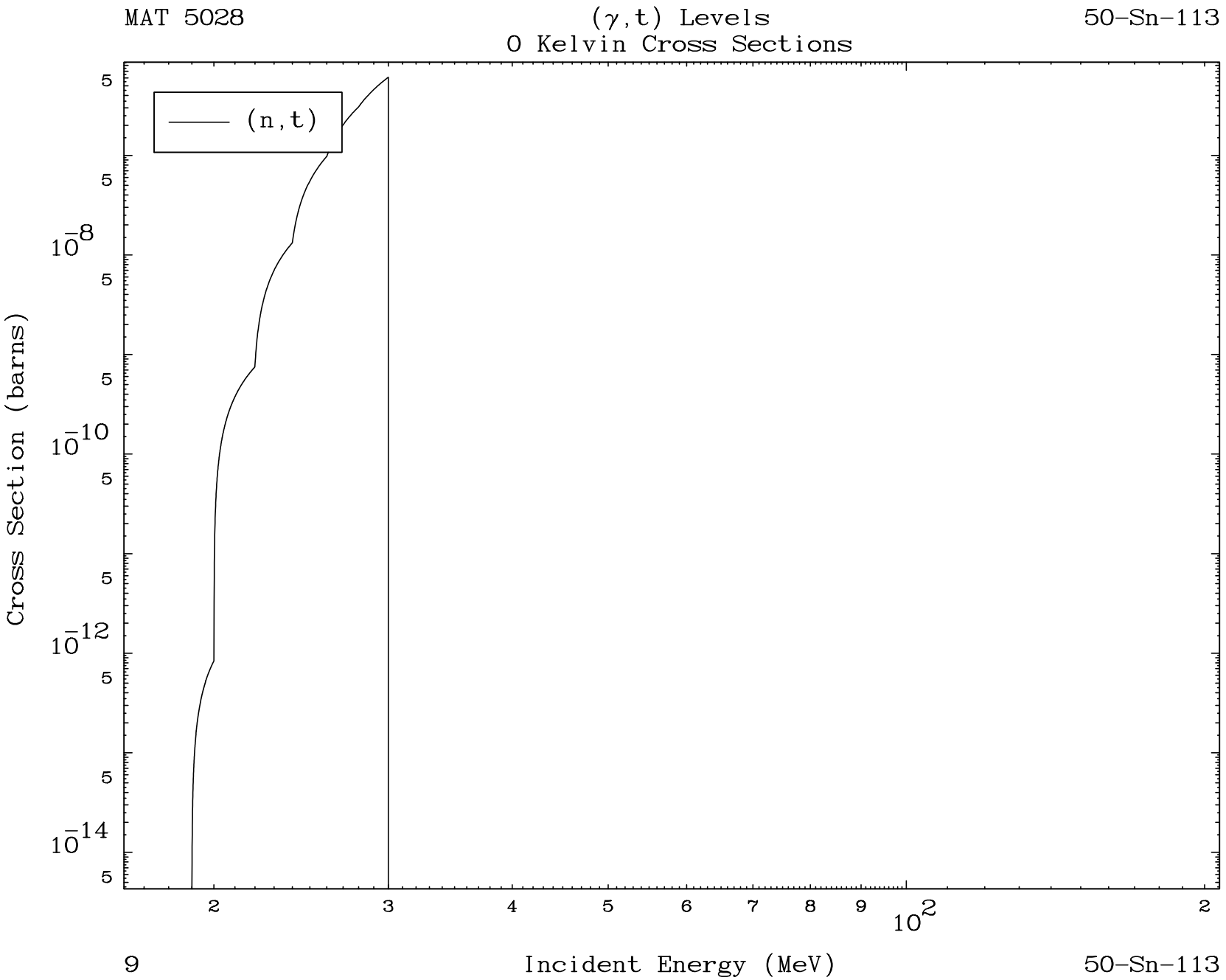

MAT 5028
Photon Charged Particle
0 Kelvin Cross Sections
50-Sn-113
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
4
50-Sn-113

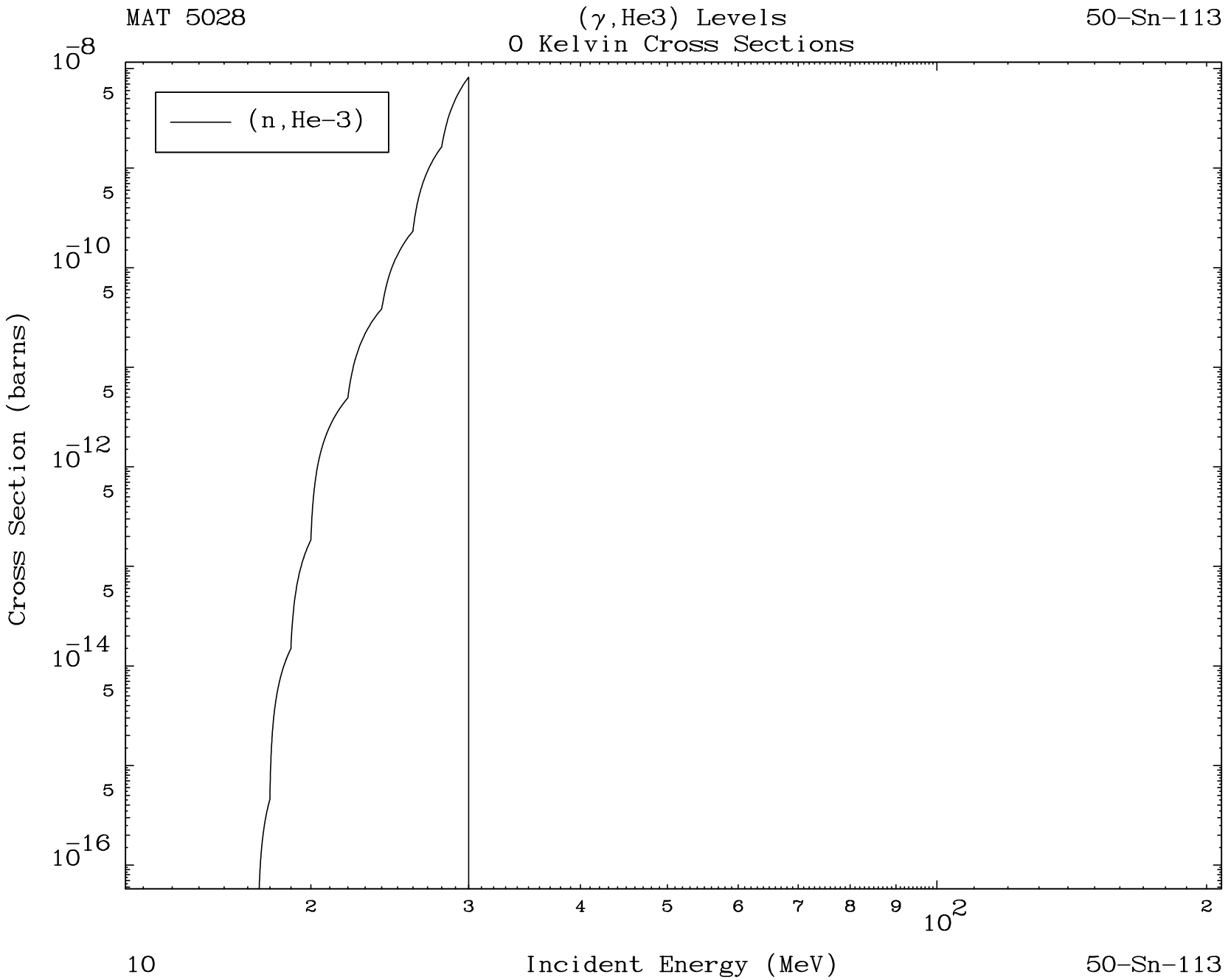

MAT 5028
Photon Charged Particle
0 Kelvin Cross Sections
50-Sn-113
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
4
6
8
10^1
2
4
6
8
10^2
2
Incident Energy (MeV)
50-Sn-113

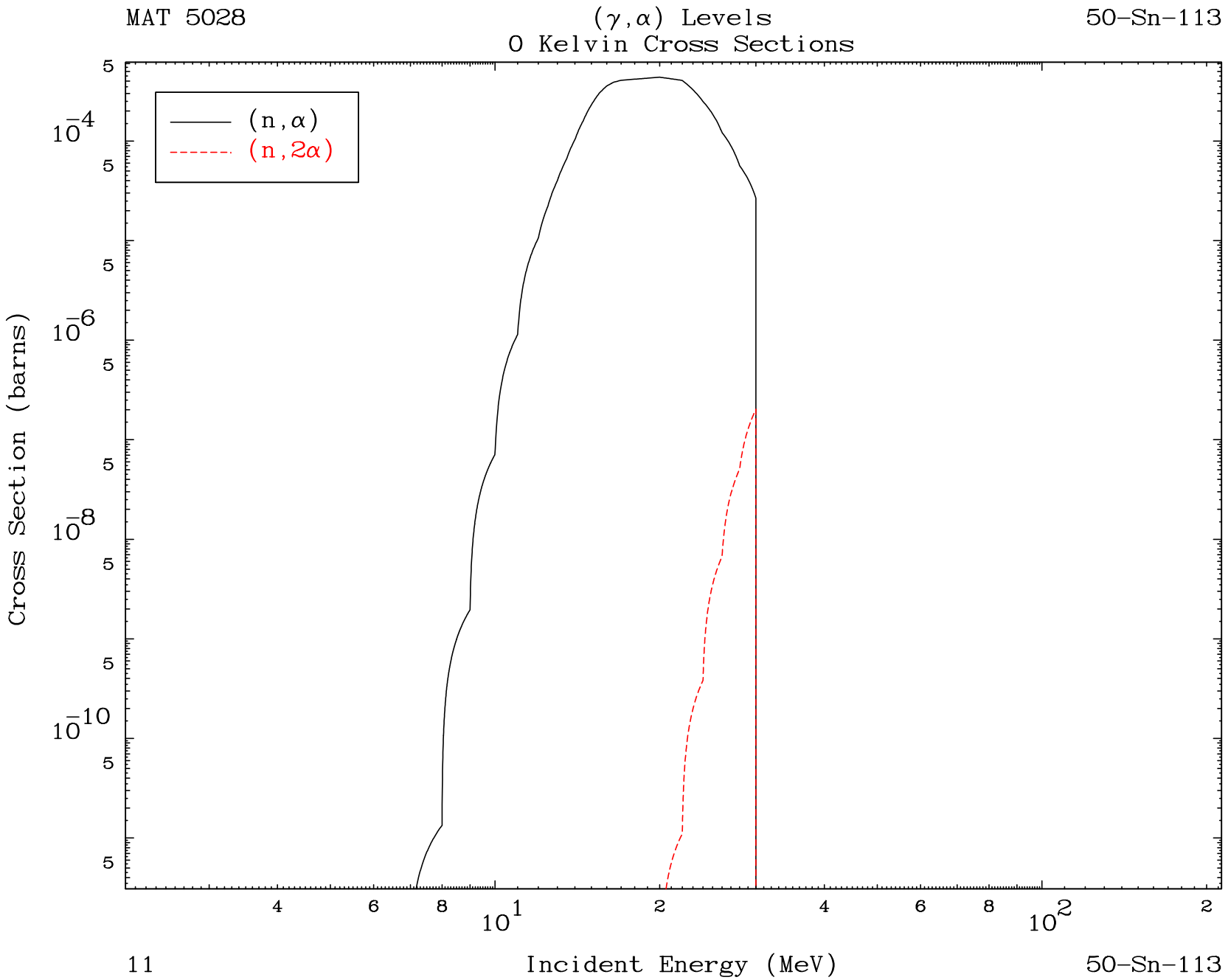

MAT 5028
(γ,n') Levels
0 Kelvin Cross Sections
50-Sn-113
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
6
50-Sn-113

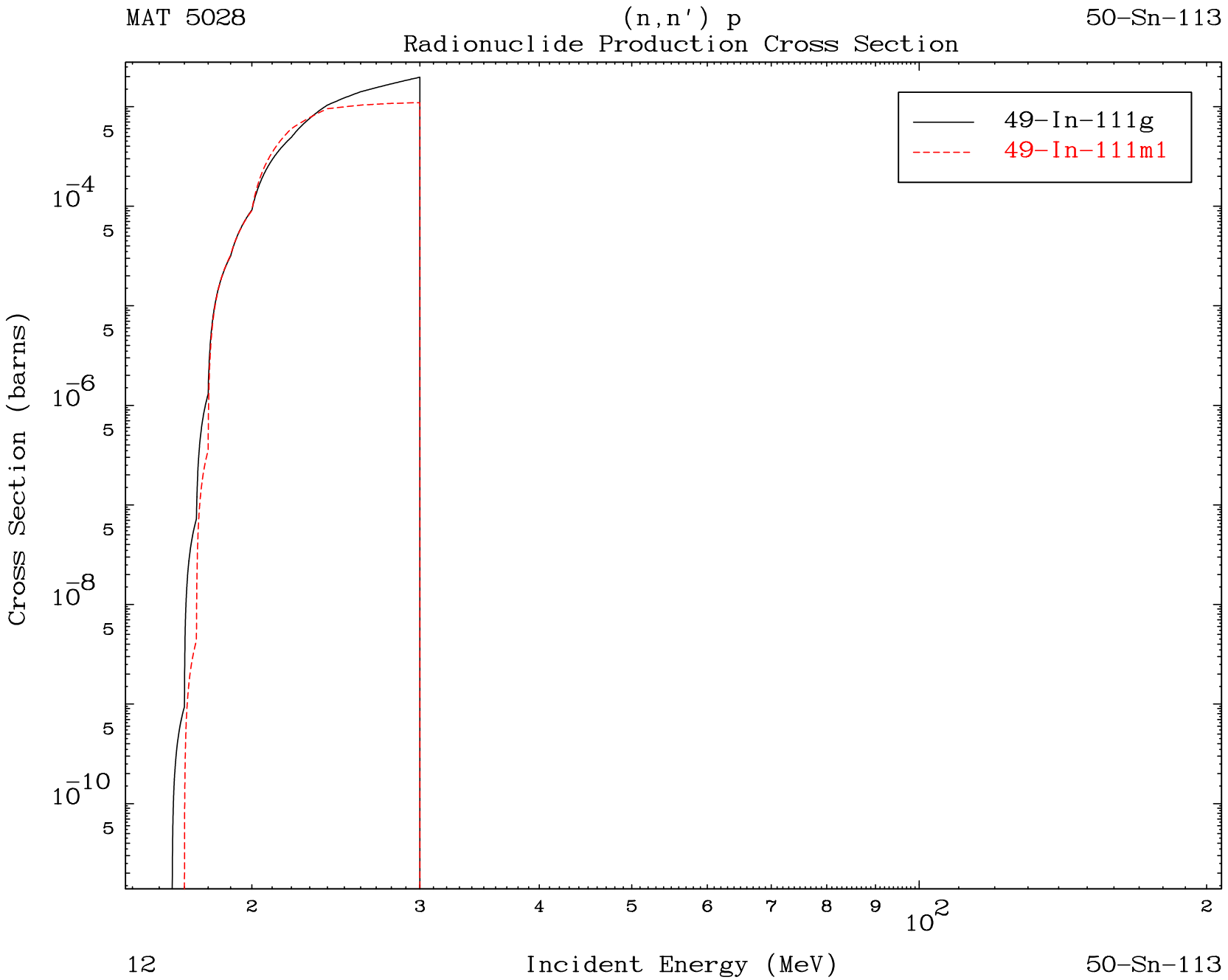

MAT 5028
(γ,p) Levels
50-Sn-113
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
7
50-Sn-113

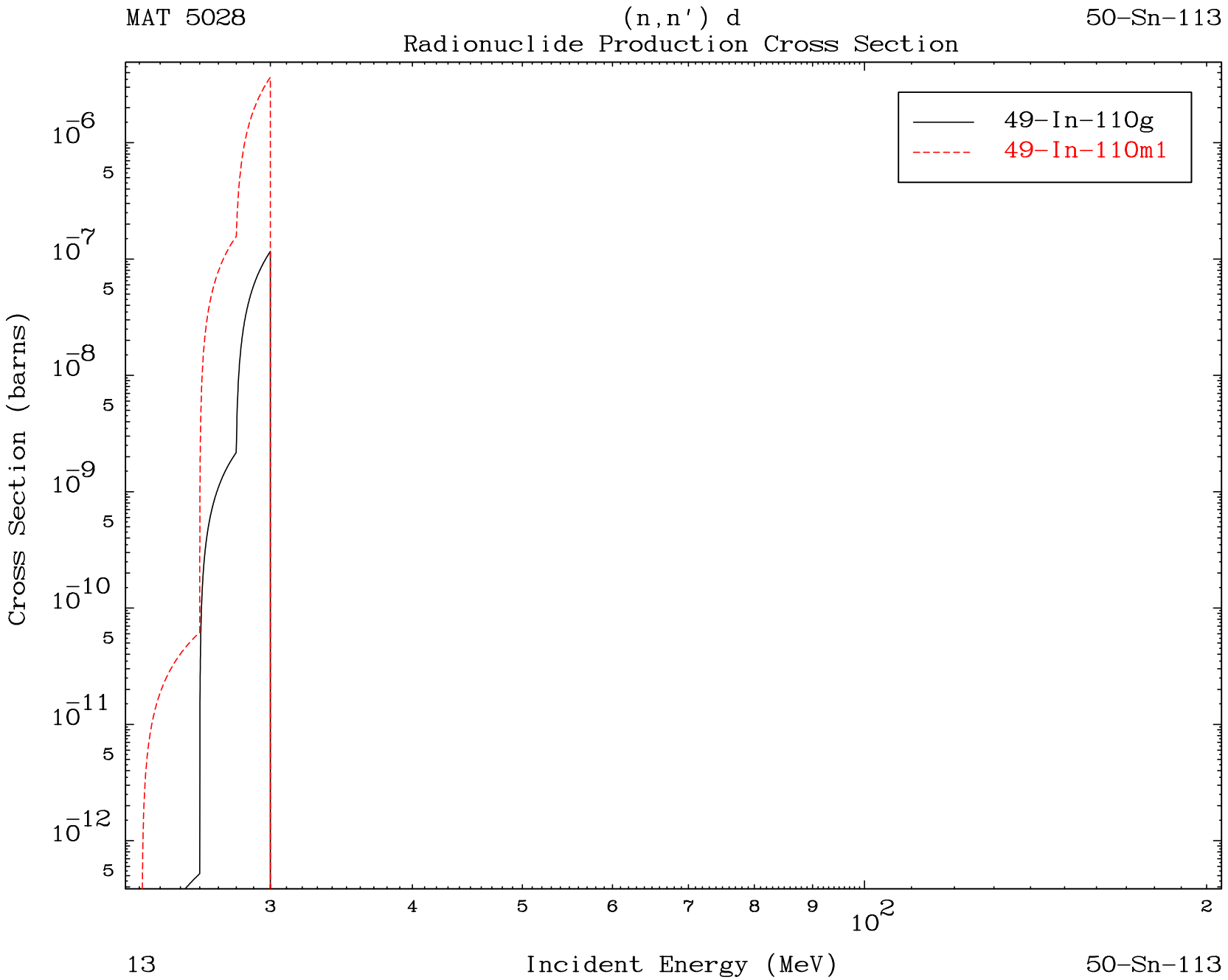

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)

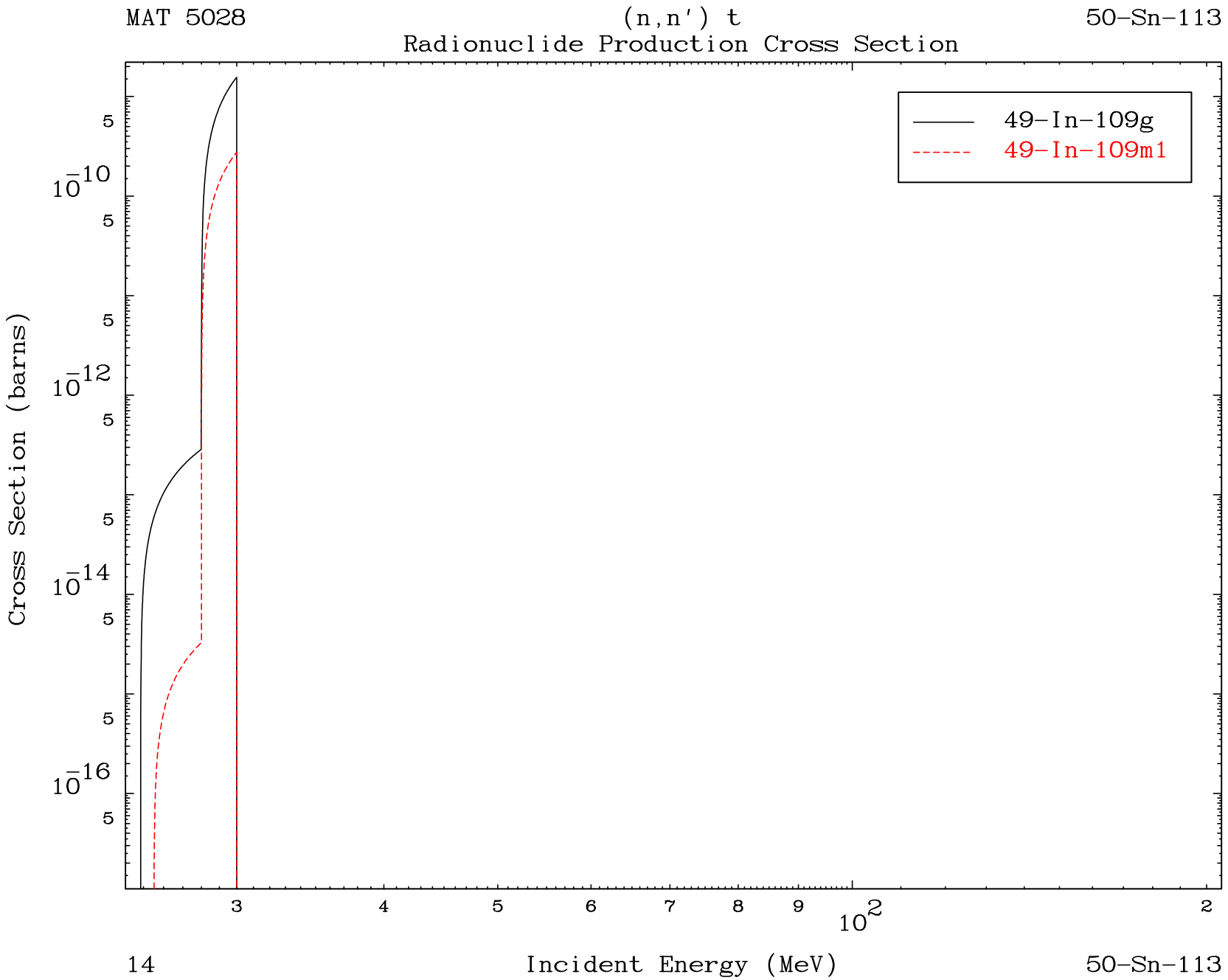

MAT 5028
(γ,t) Levels
50-Sn-113
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
50-Sn-113

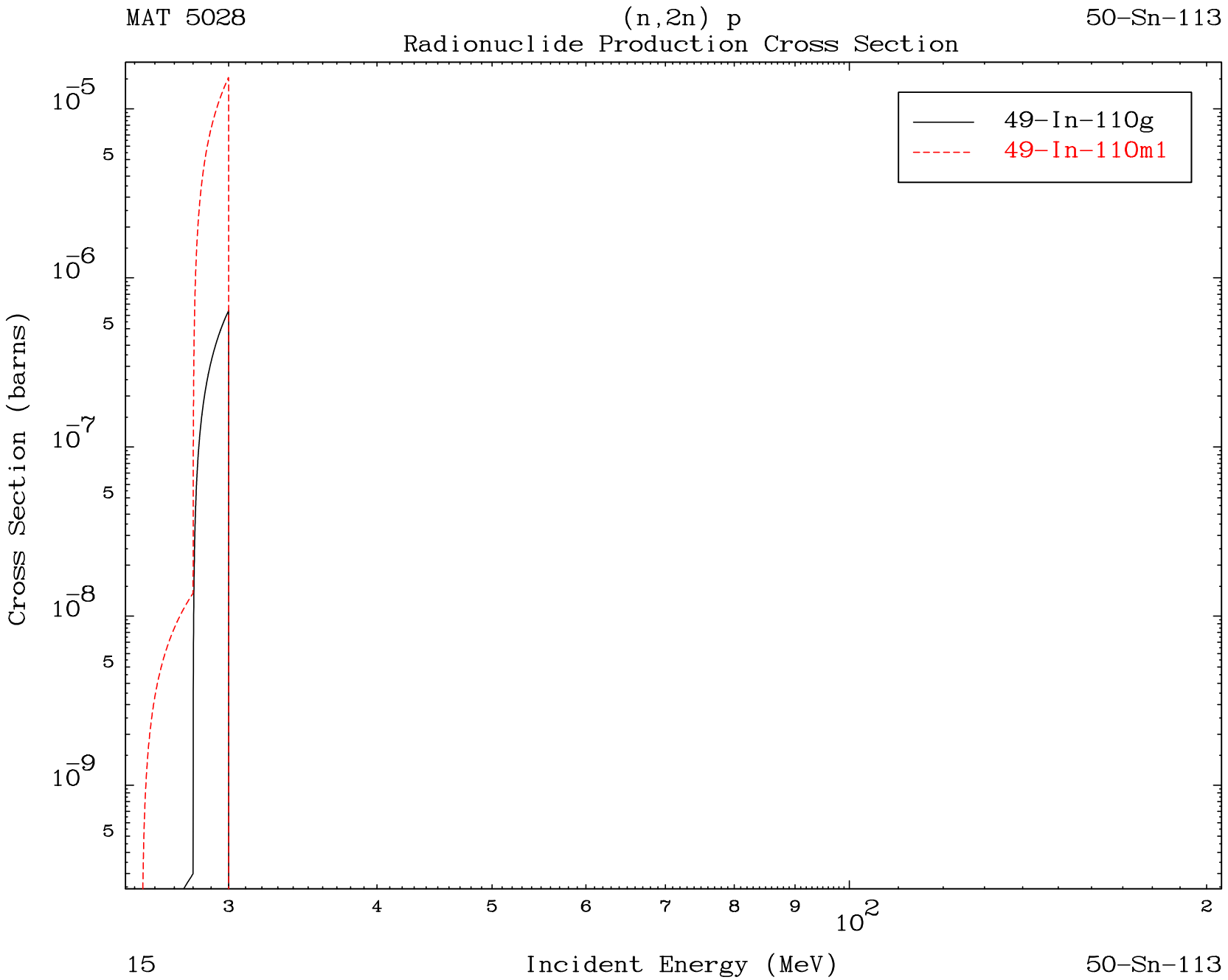

MAT 5028
(γ,He3) Levels
50-Sn-113
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-8
5
10^-10
5
10^-12
5
10^-14
5
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
50-Sn-113

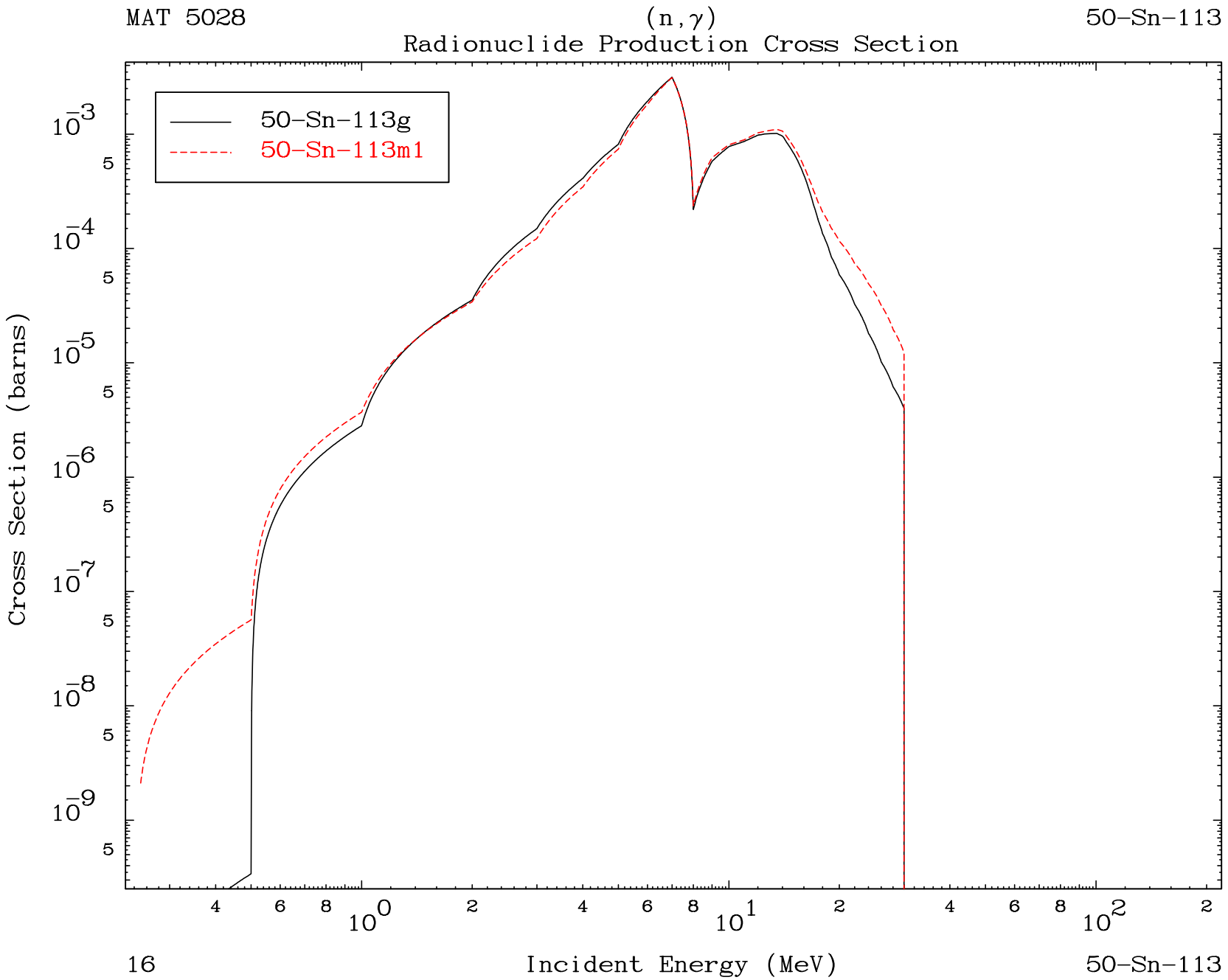

MAT 5028
(γ,α) Levels
50-Sn-113
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
11
50-Sn-113

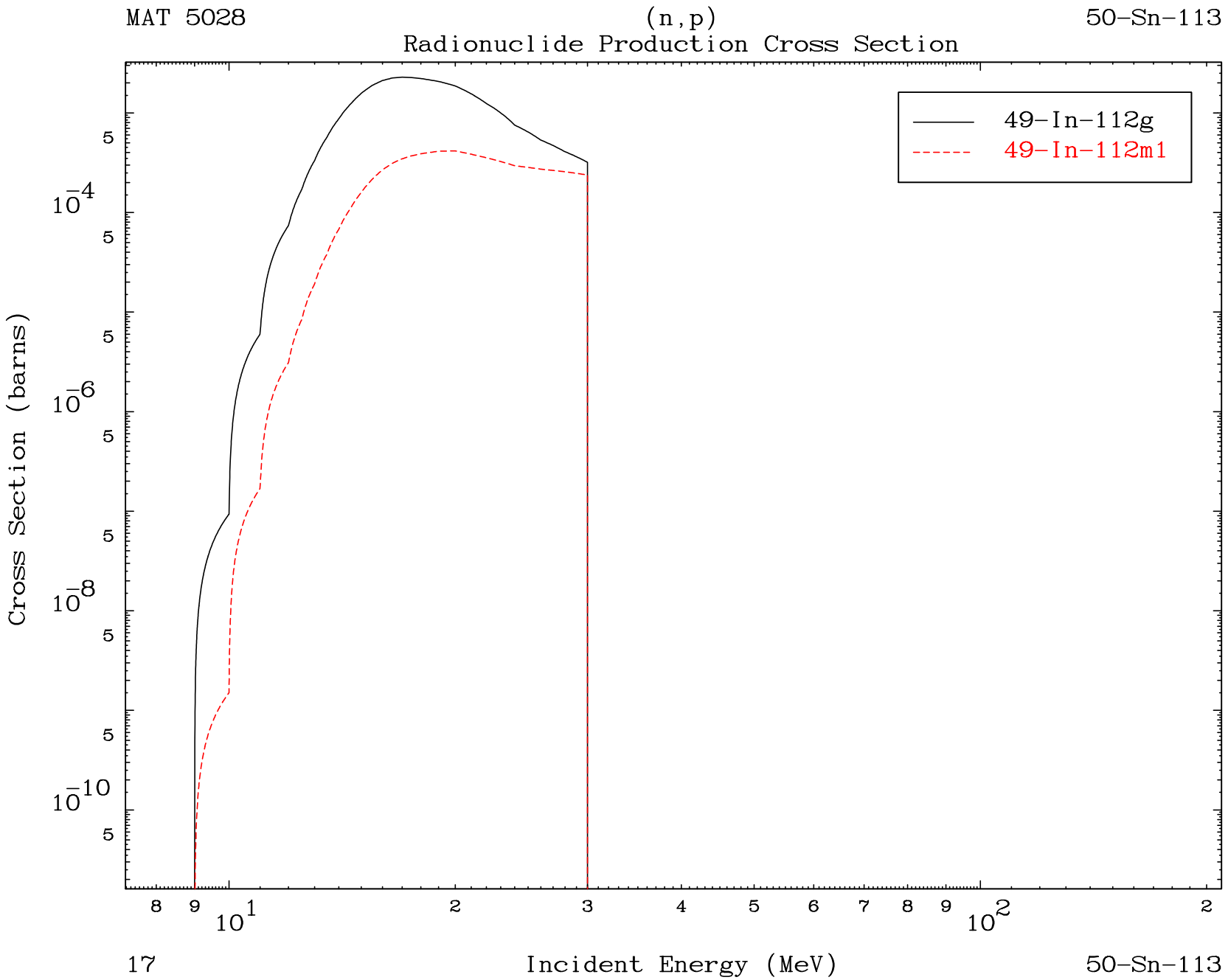

MAT 5028
(n,n') p
50-Sn-113
Radionuclide Production Cross Section
49-In-111g
49-In-111m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
50-Sn-113

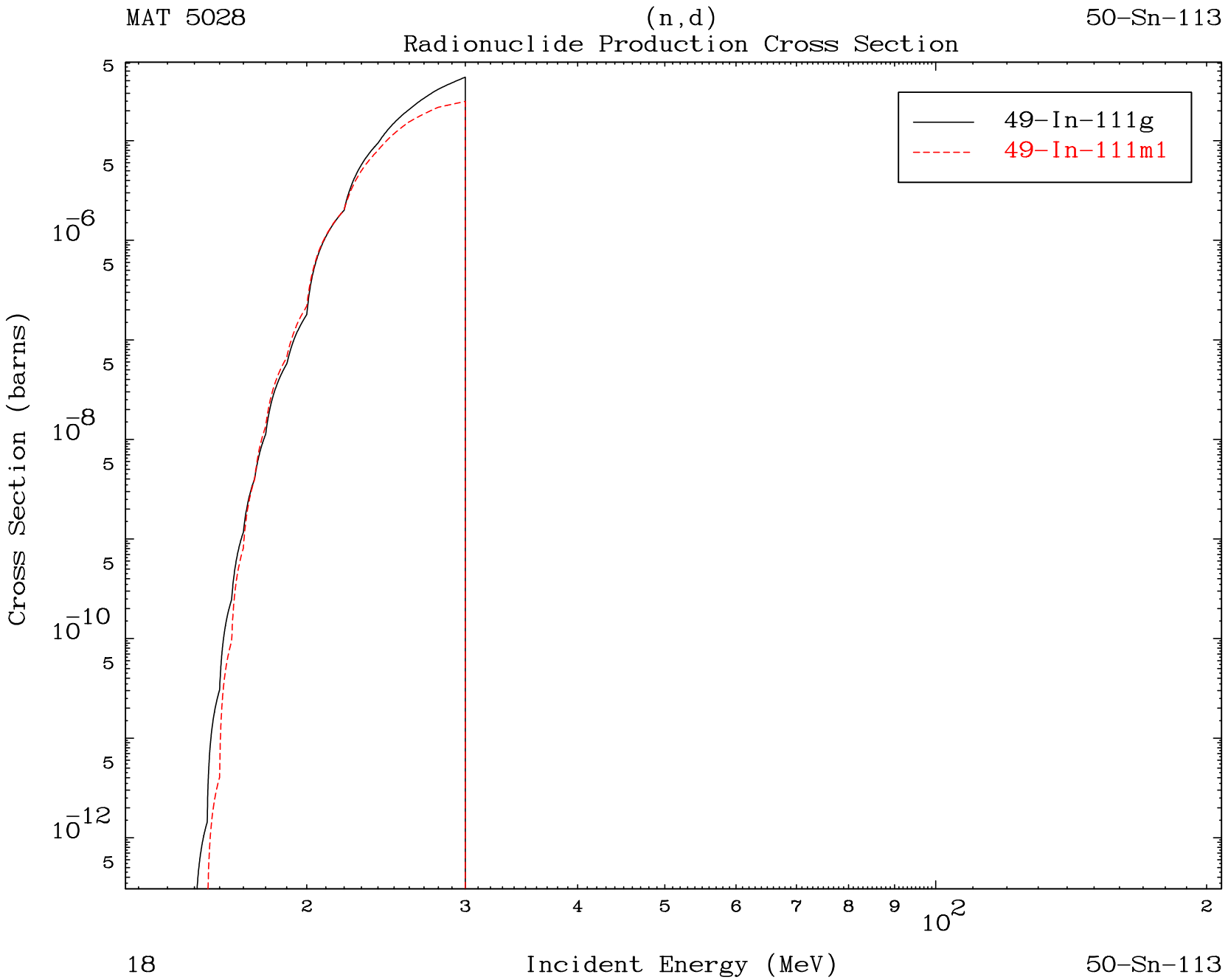

MAT 5028
(n,n') d
50-Sn-113
Radionuclide Production Cross Section
49-In-110g
49-In-110m1
Cross Section (barns)
10^-6
10^-7
10^-8
10^-9
10^-10
10^-11
10^-12
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
50-Sn-113

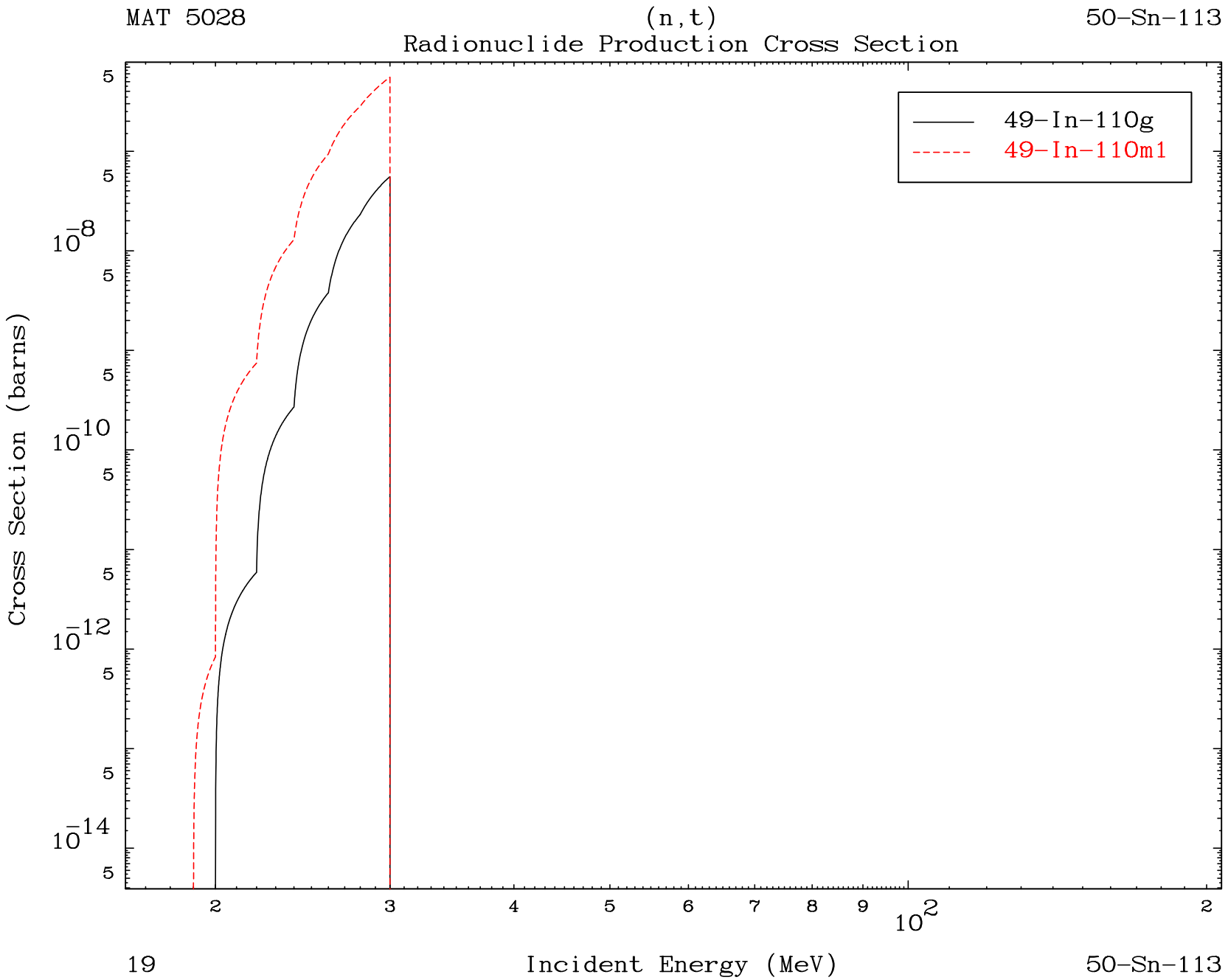

MAT 5028
(n,n') t
50-Sn-113
Radionuclide Production Cross Section
49-In-109g
49-In-109m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
14
50-Sn-113

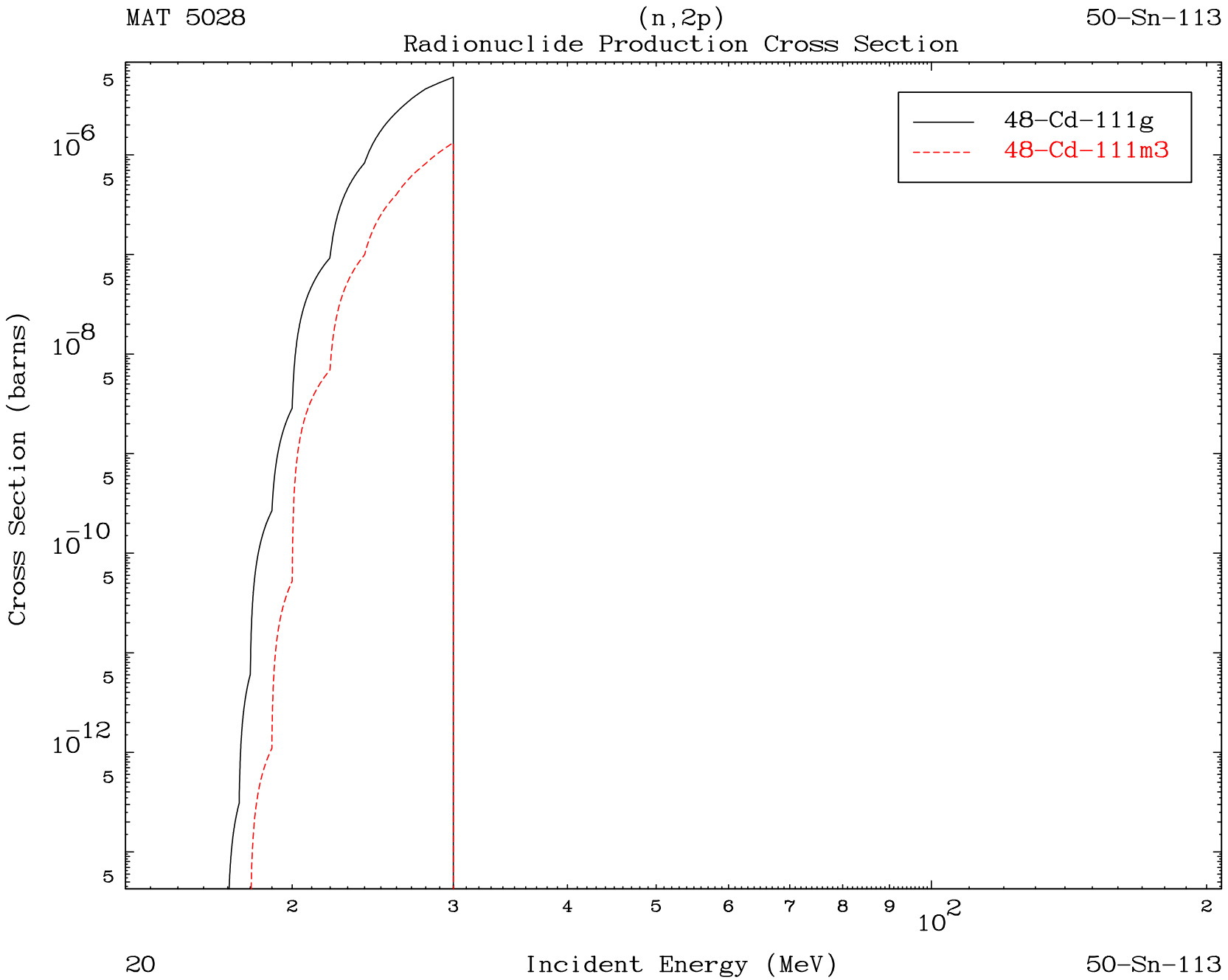

MAT 5028
(n,2n) p
50-Sn-113
Radionuclide Production Cross Section
49-In-110g
49-In-110m1
Cross Section (barns)
Incident Energy (MeV)
15
50-Sn-113

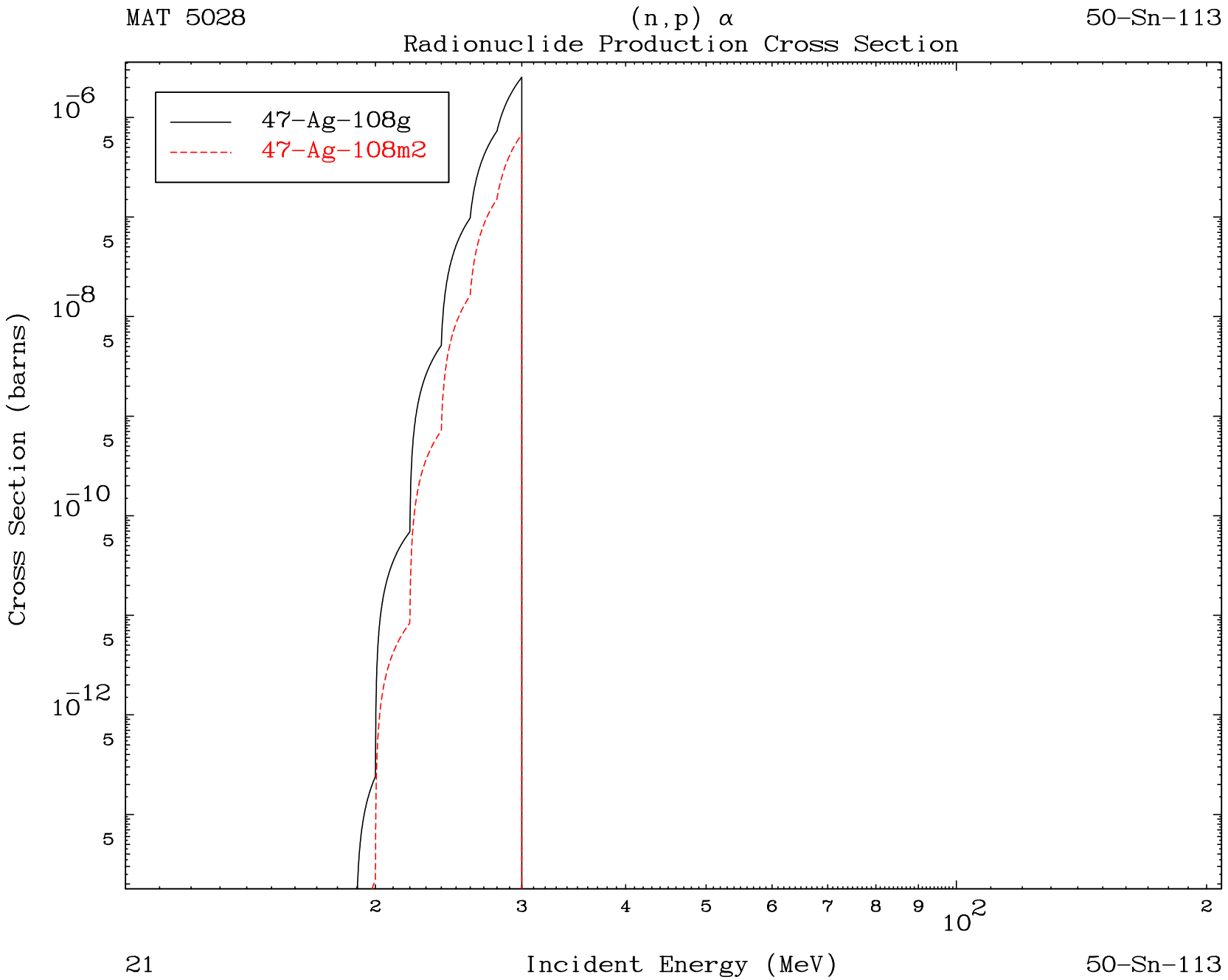

MAT 5028
(n,γ)
50-Sn-113
Radionuclide Production Cross Section
50-Sn-113g
50-Sn-113m1
Cross Section (barns)
Incident Energy (MeV)
16
50-Sn-113


MAT 5028
(n,p)
50-Sn-113
Radionuclide Production Cross Section
49-In-112g
49-In-112m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
17
50-Sn-113


MAT 5028
(n,d)
50-Sn-113
Radionuclide Production Cross Section
49-In-111g
49-In-111m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
50-Sn-113


MAT 5028
(n,t)
50-Sn-113
Radionuclide Production Cross Section
49-In-110g
49-In-110m1
Cross Section (barns)
Incident Energy (MeV)
19
50-Sn-113


MAT 5028
(n,2p)
50-Sn-113
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
20
50-Sn-113


MAT 5028
(n,p) α
50-Sn-113
Radionuclide Production Cross Section
47-Ag-108g
47-Ag-108m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
50-Sn-113