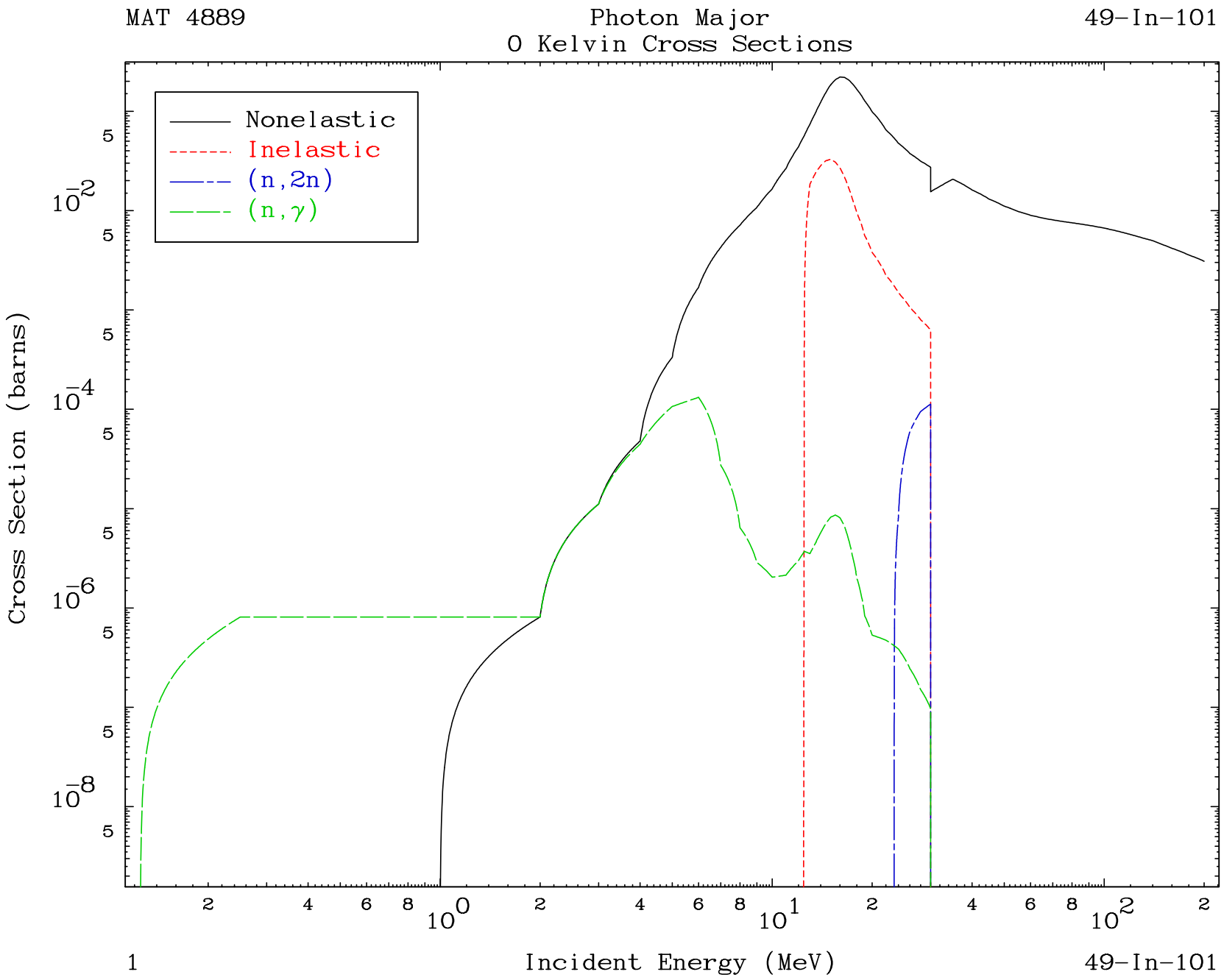
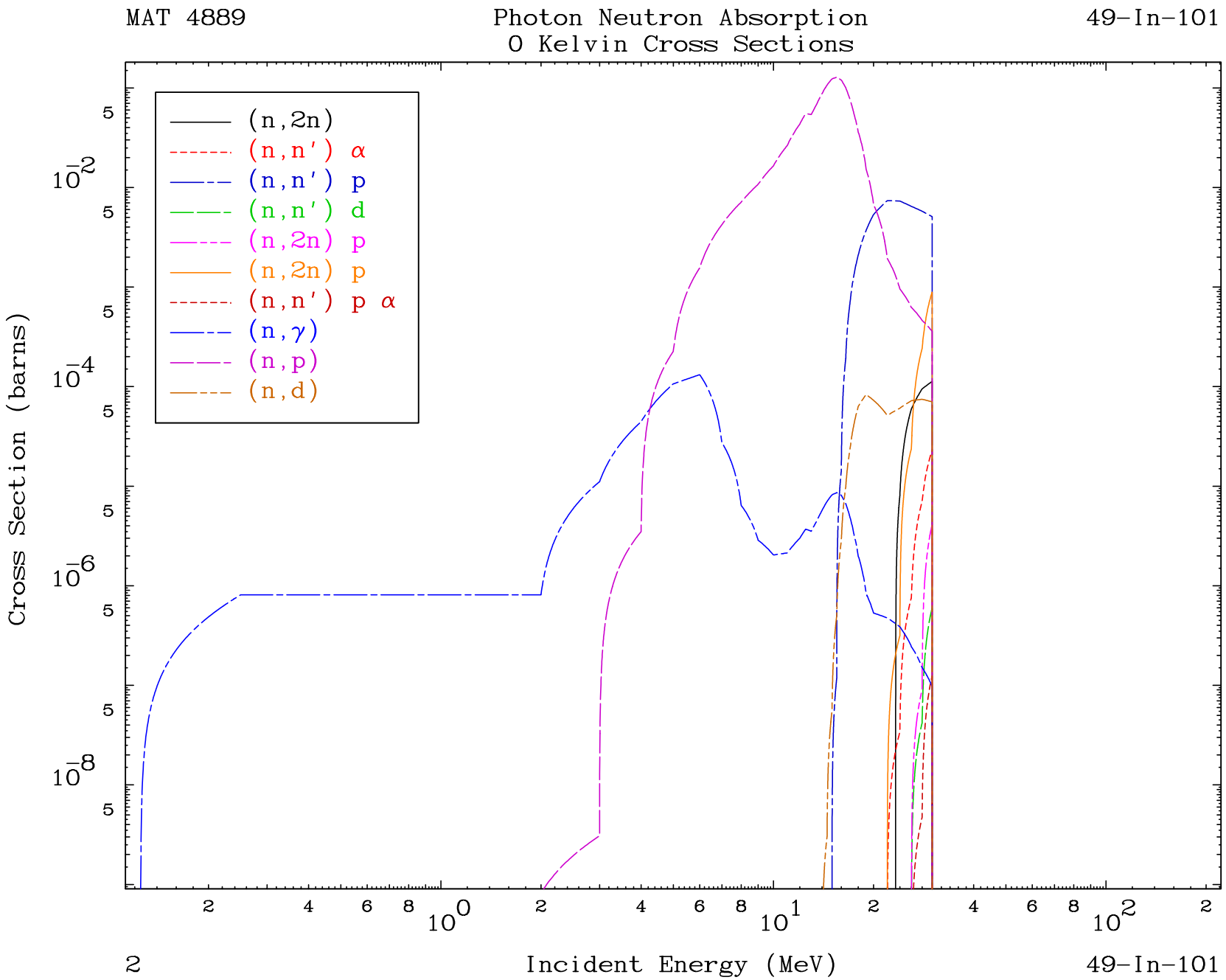
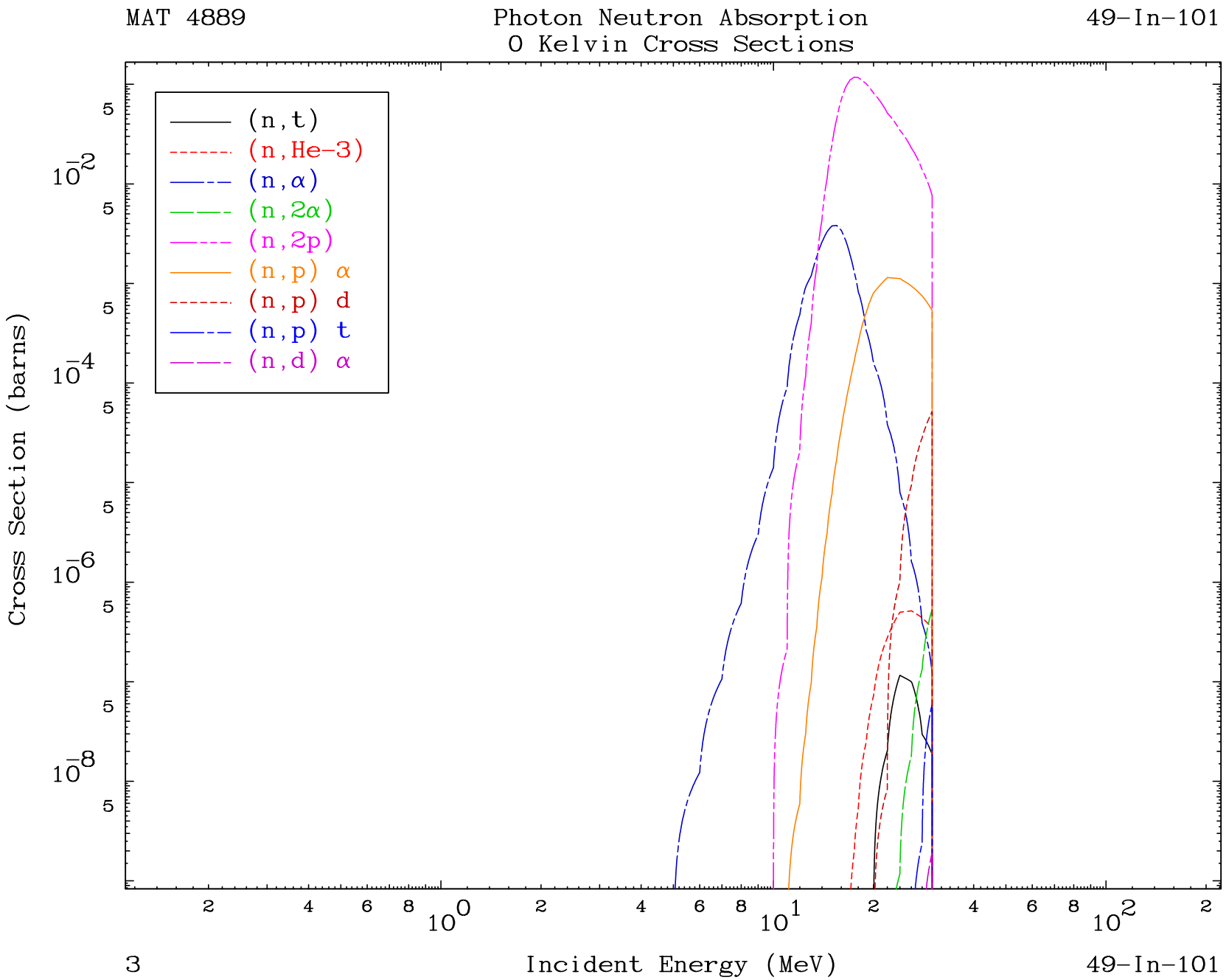
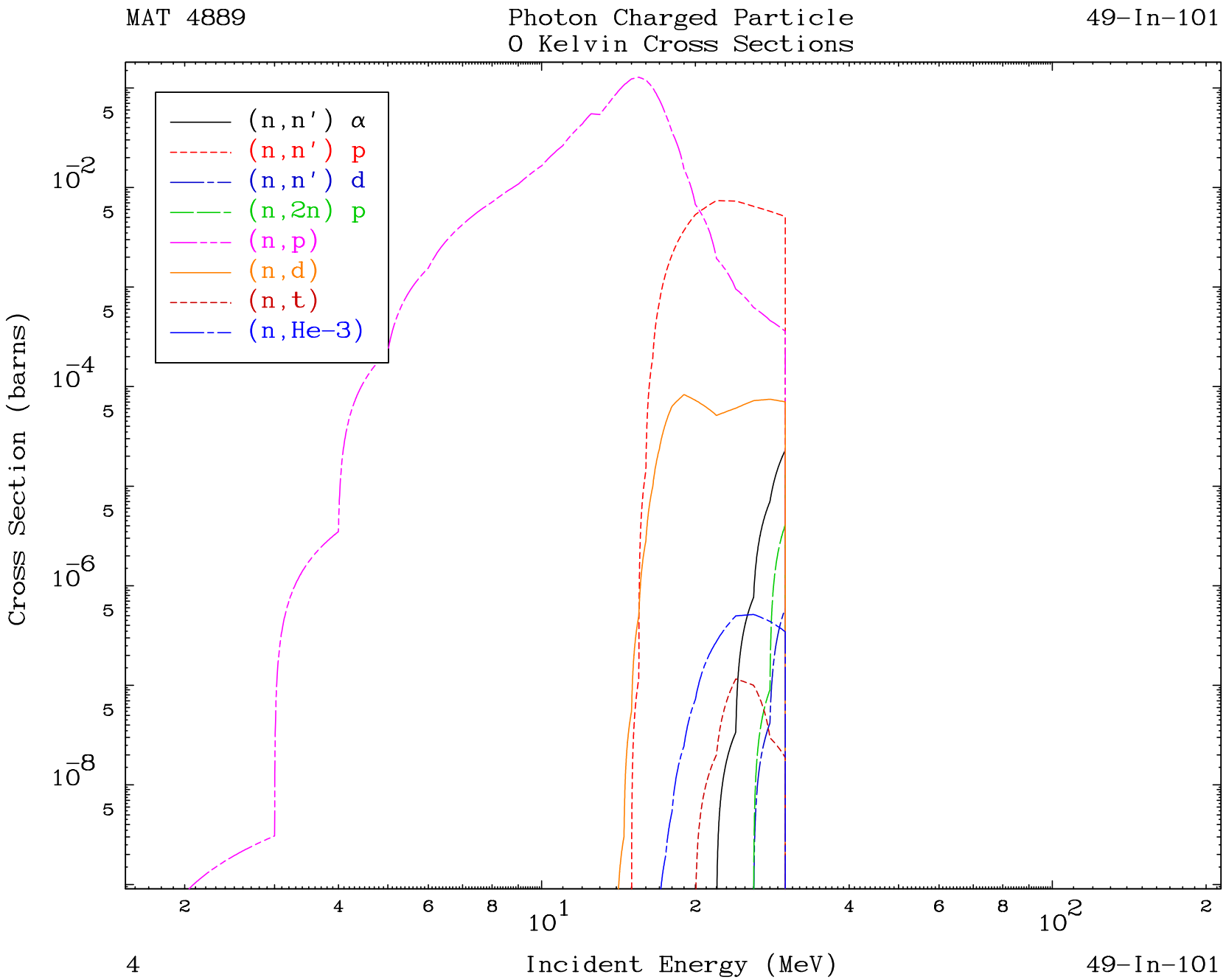
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

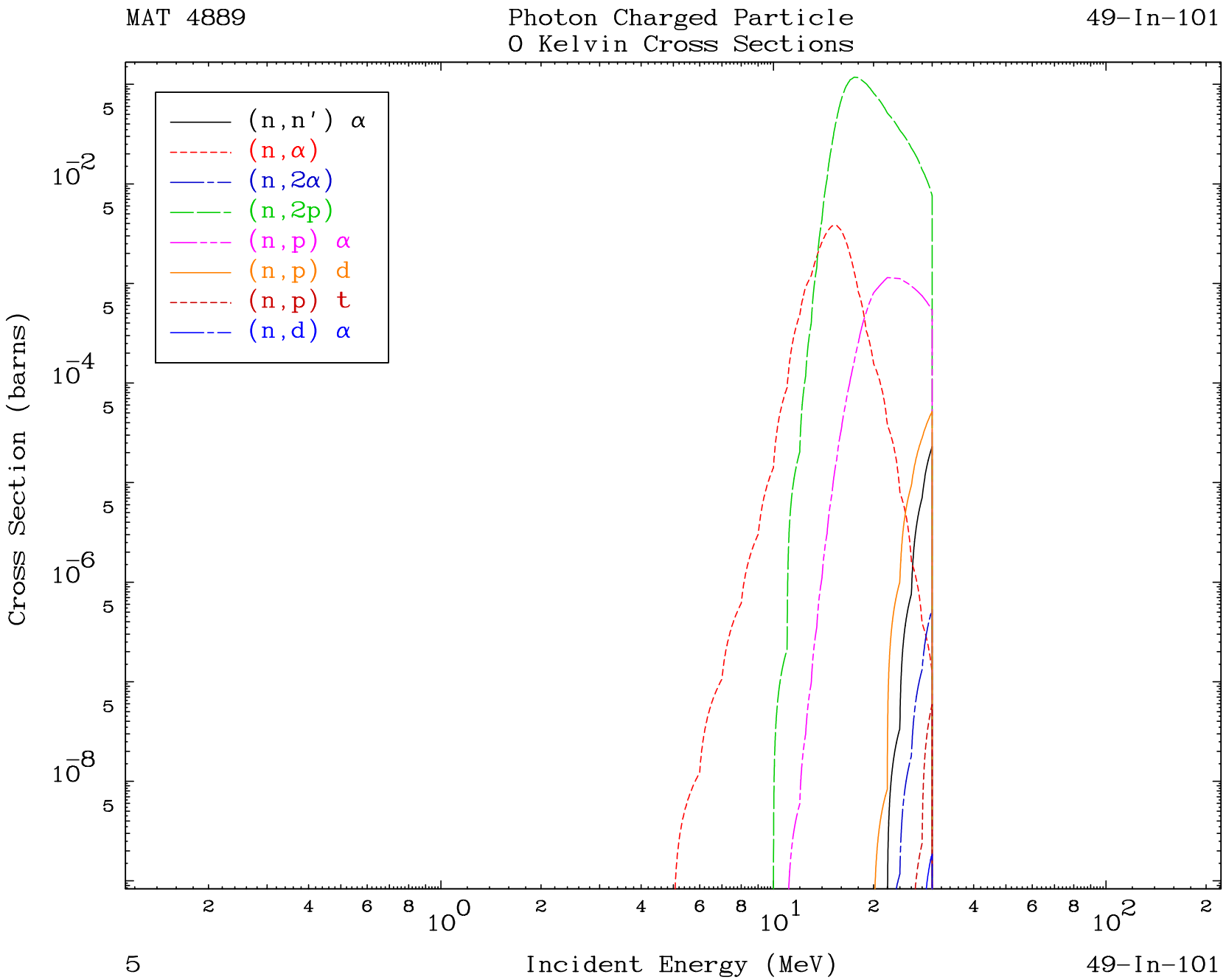
Press Mouse Button to Start

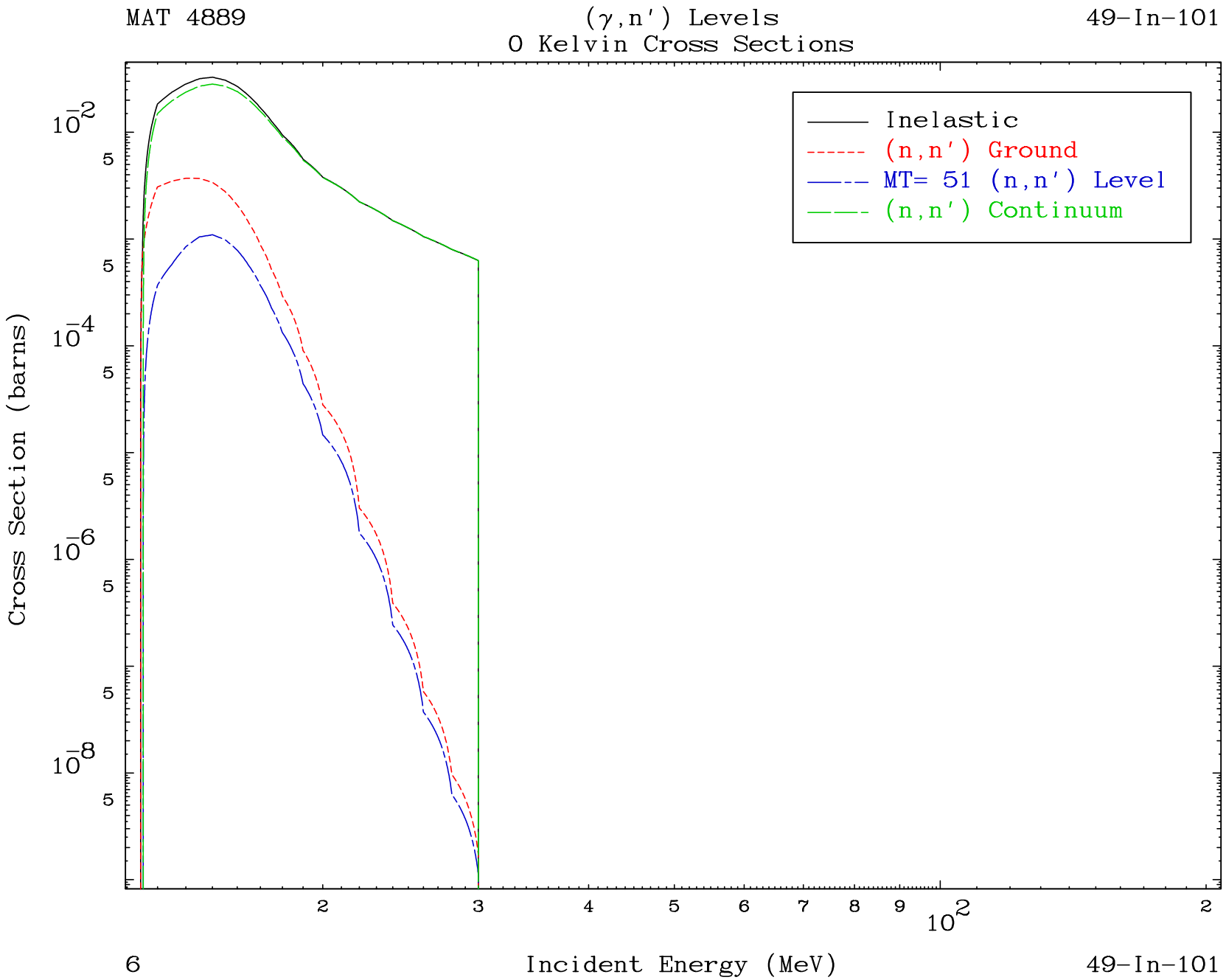

MAT 4889
Photon Major
49-In-101
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
1
Incident Energy (MeV)
49-In-101

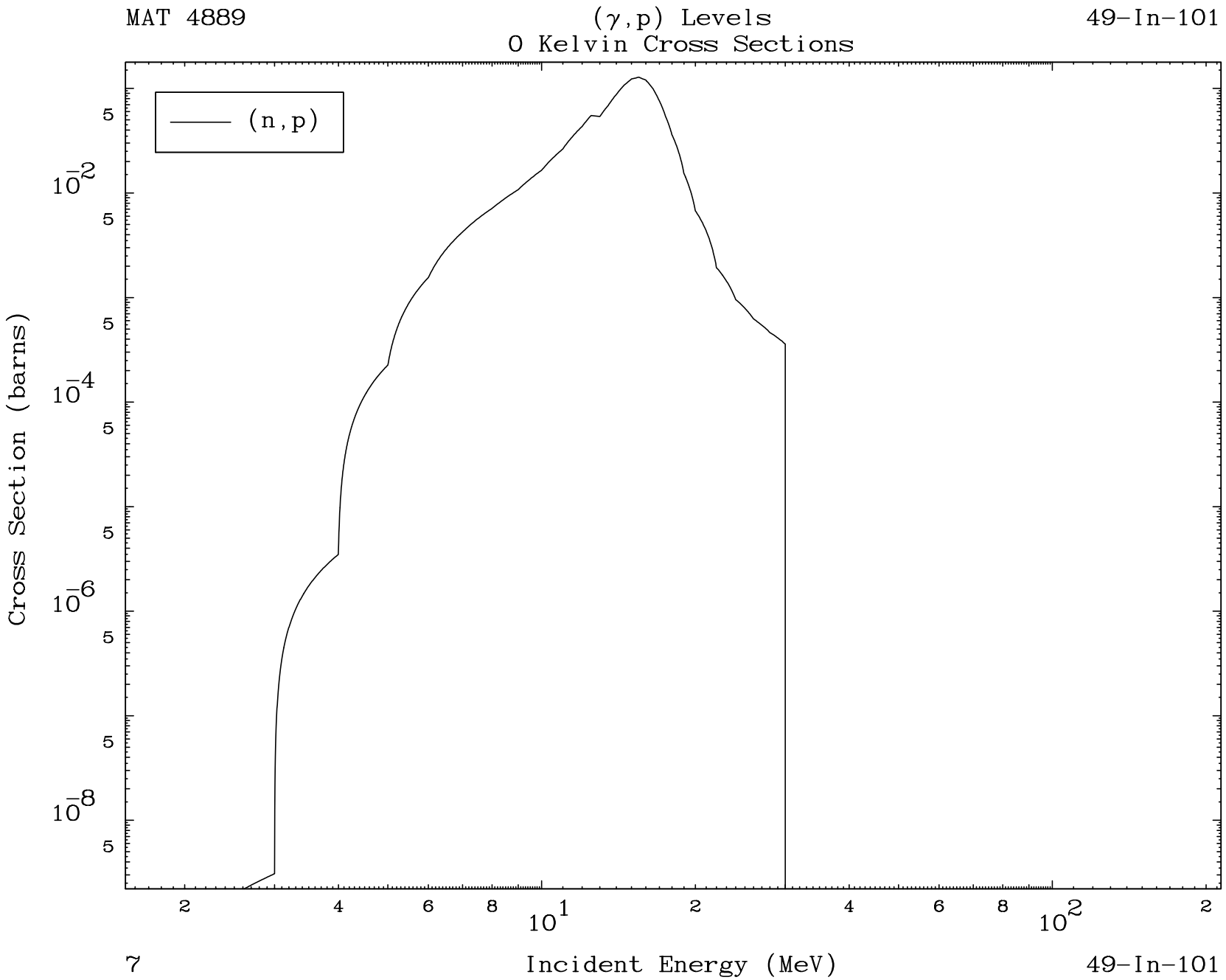

MAT 4889
Photon Neutron Absorption
0 Kelvin Cross Sections
49-In-101
(n,2n)
(n,n') α
(n,n') p
(n,n') d
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
2
49-In-101

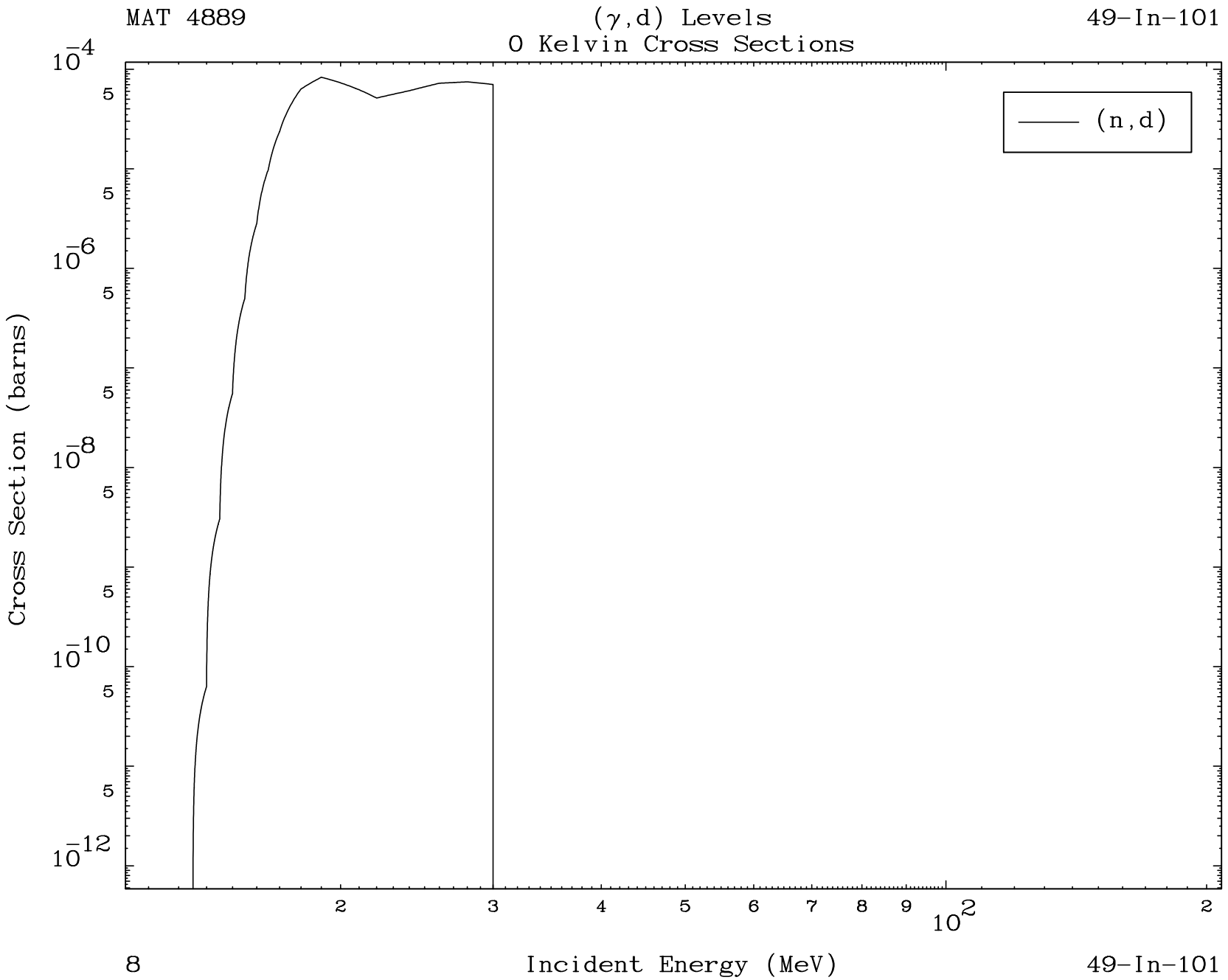

MAT 4889
Photon Neutron Absorption
0 Kelvin Cross Sections
49-In-101
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
49-In-101

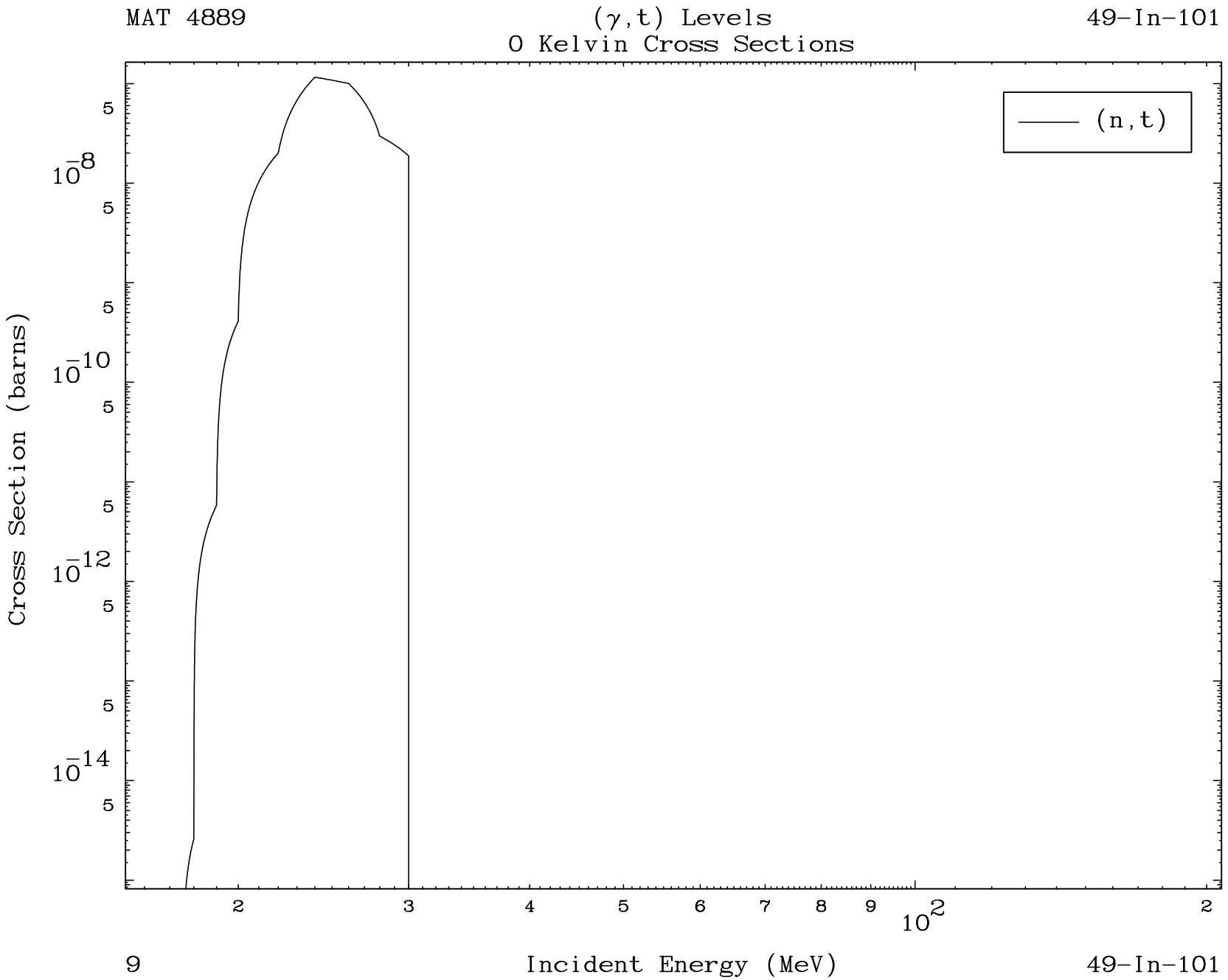

MAT 4889
Photon Charged Particle
0 Kelvin Cross Sections
49-In-101
(n,n') α
(n,n') p
(n,n') d
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
4
49-In-101

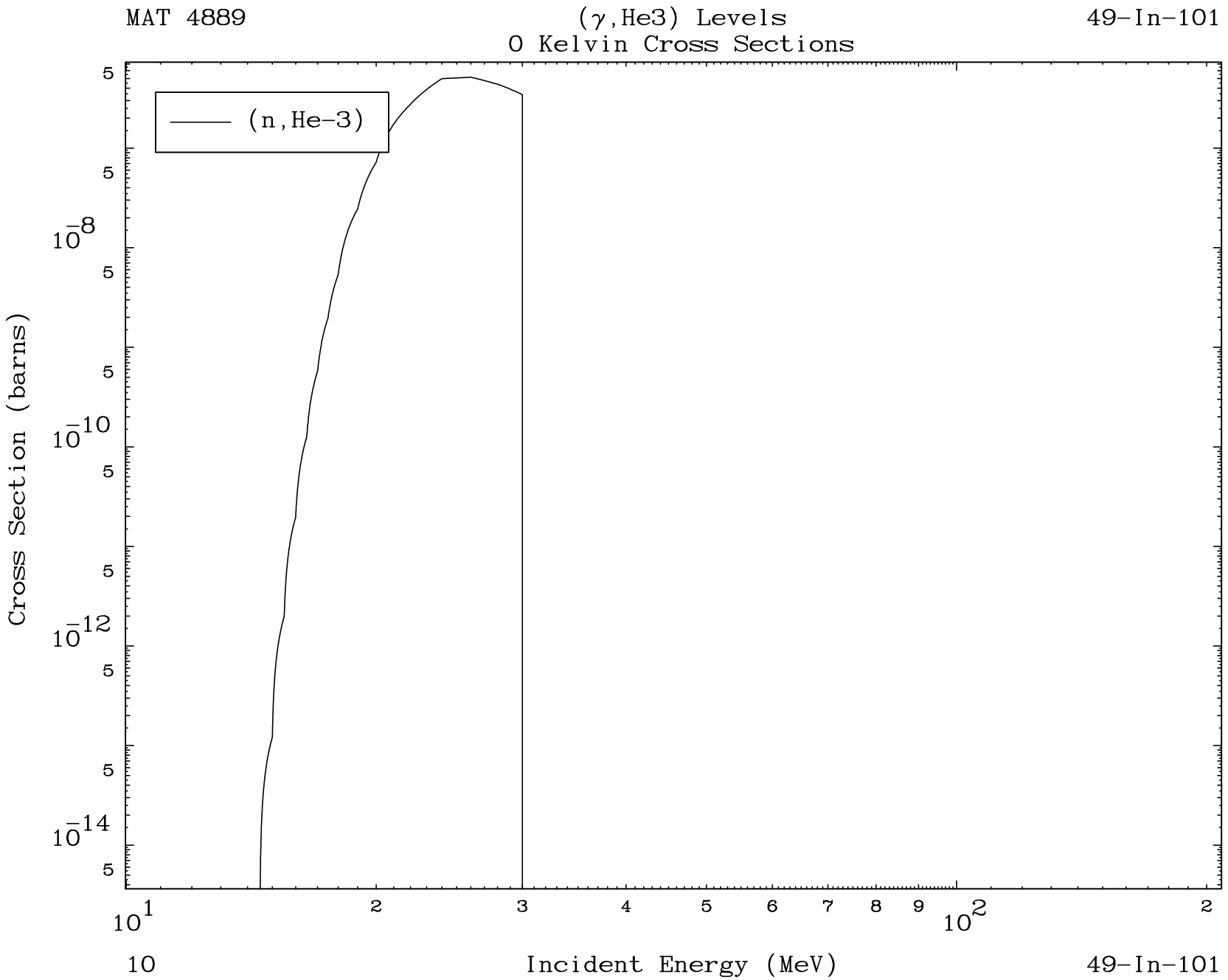

MAT 4889
Photon Charged Particle
0 Kelvin Cross Sections
49-In-101
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
5
49-In-101

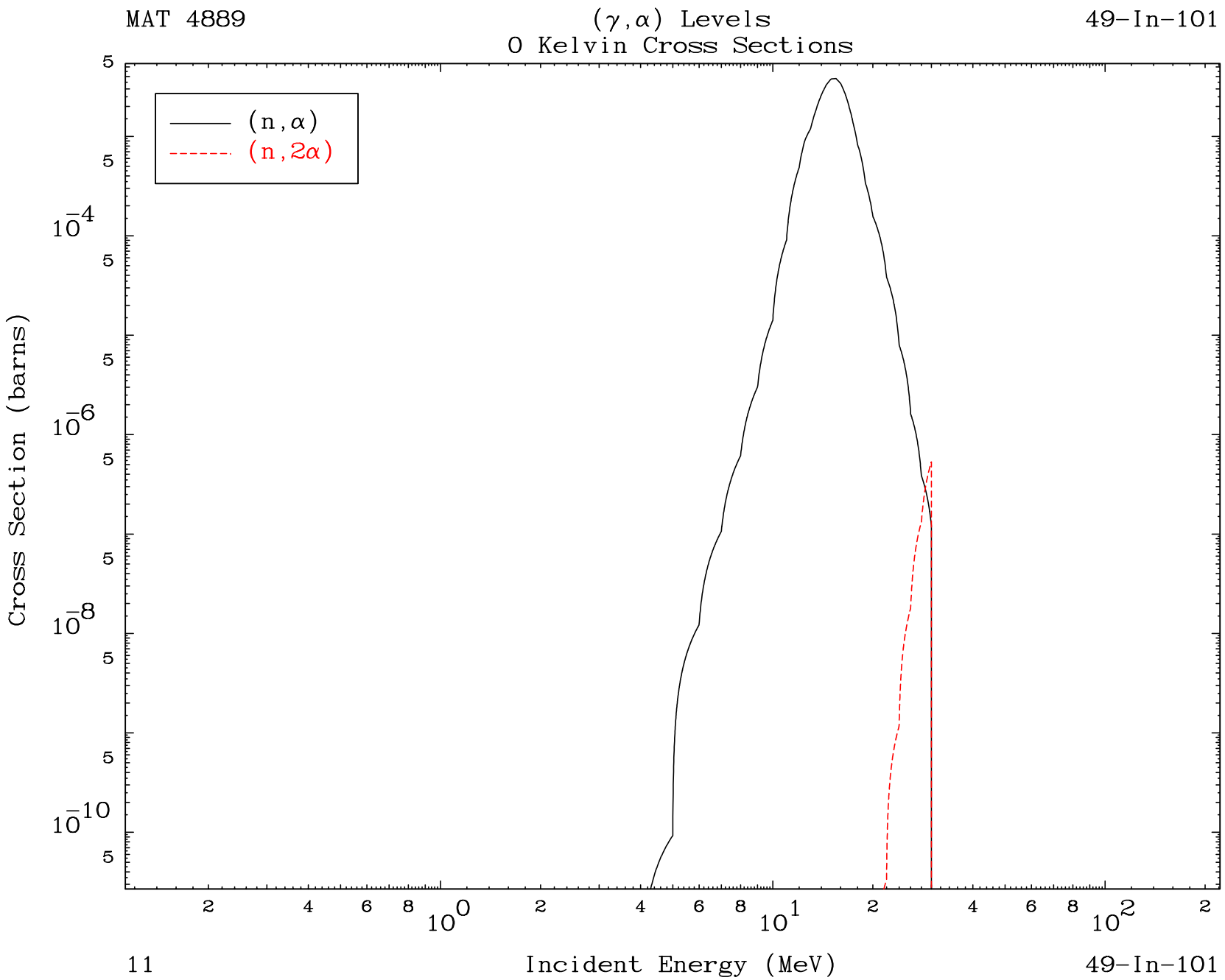

MAT 4889
(γ,n') Levels
0 Kelvin Cross Sections
49-In-101
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
6
49-In-101

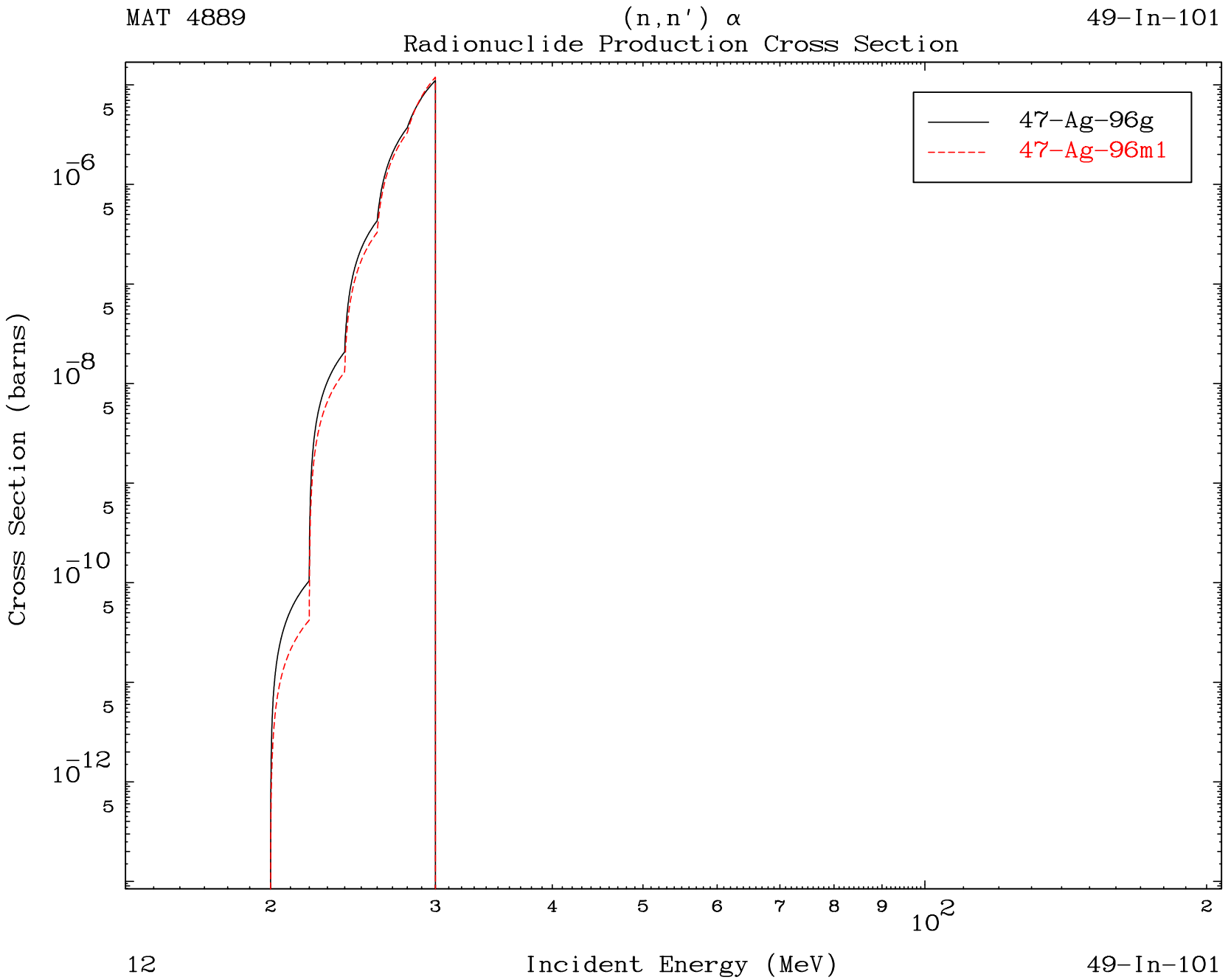

MAT 4889
(γ,p) Levels
49-In-101
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
10^1
10^2
7
49-In-101

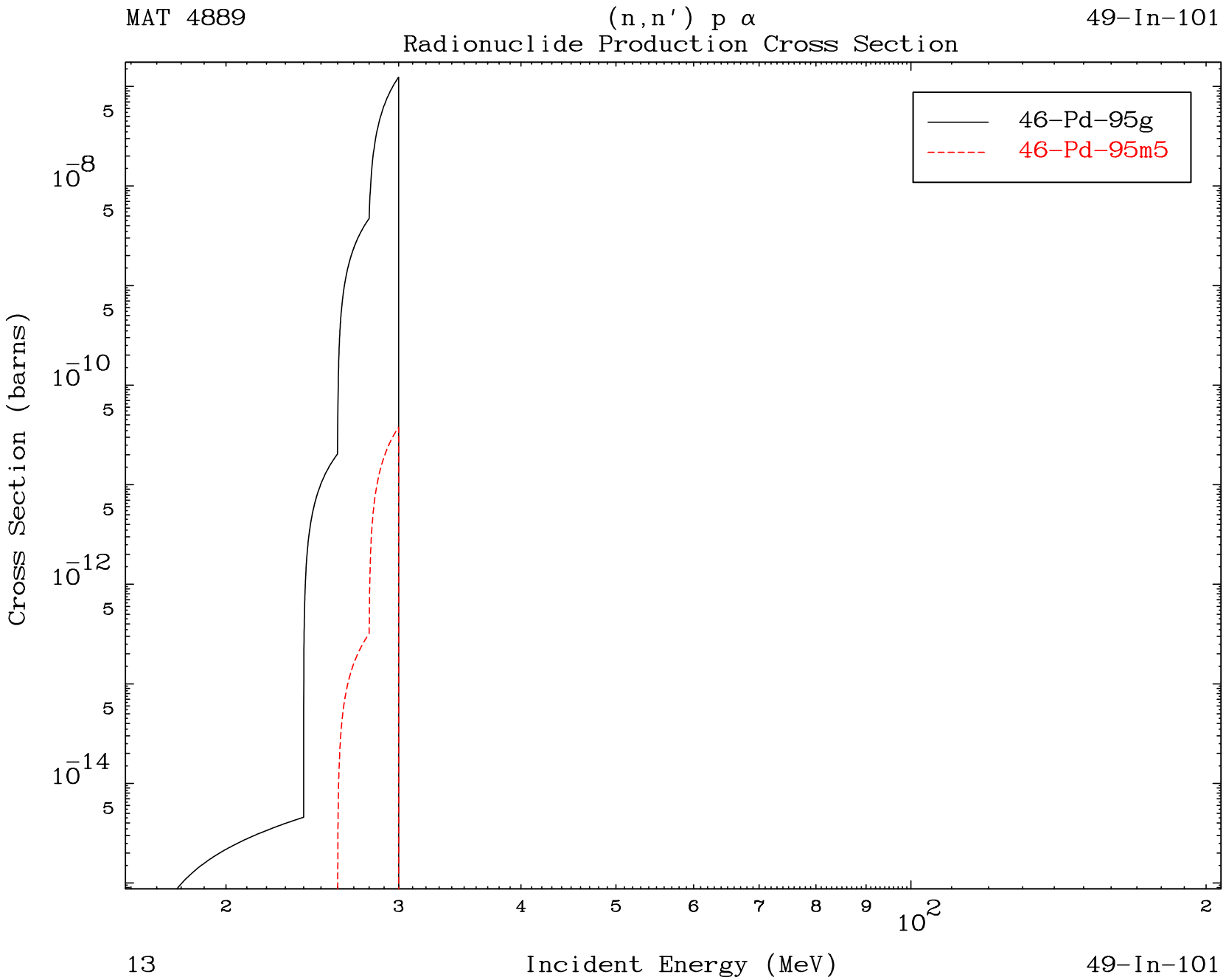

MAT 4889
(γ,d) Levels
49-In-101
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
49-In-101

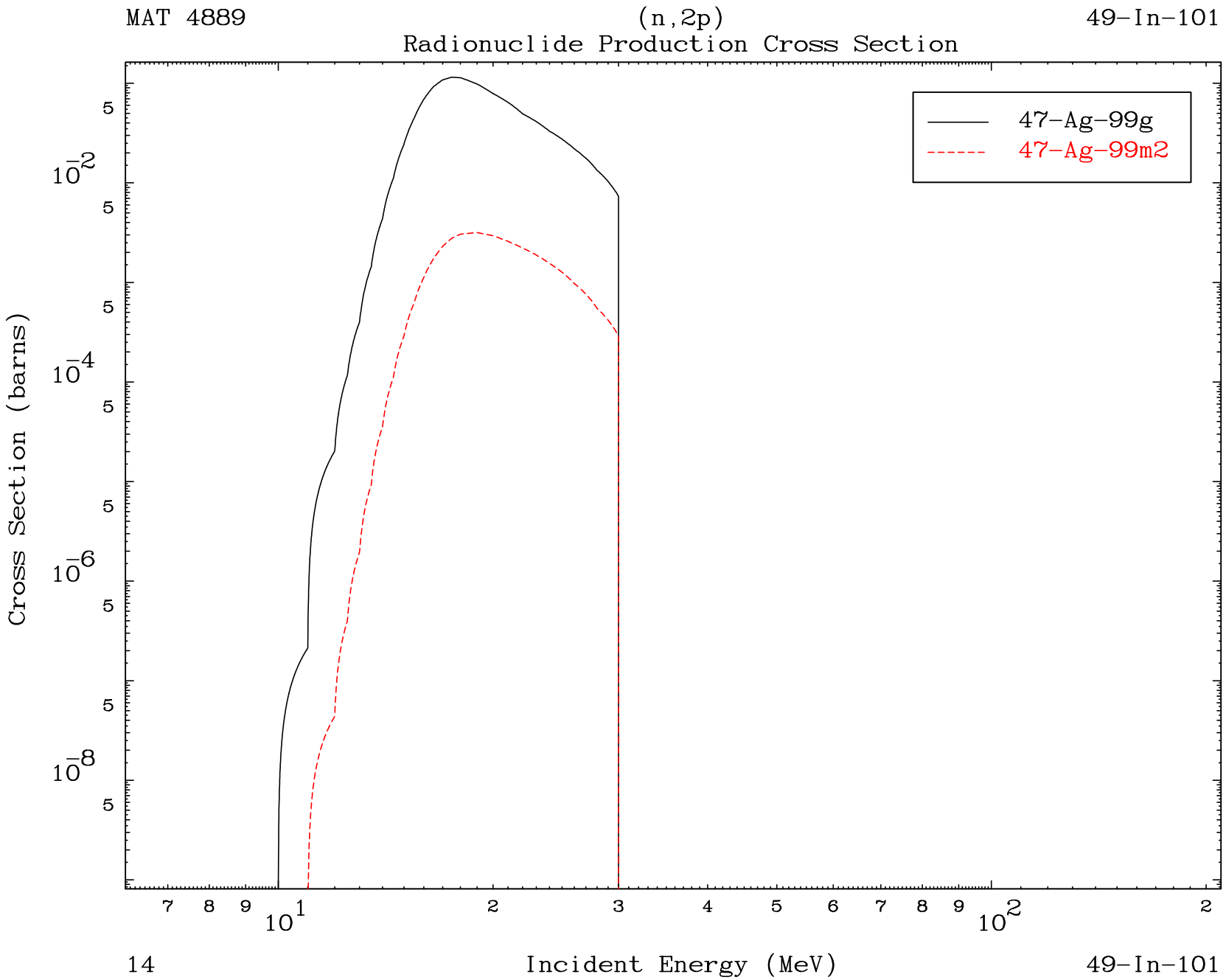

MAT 4889
(γ,t) Levels
49-In-101
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
49-In-101

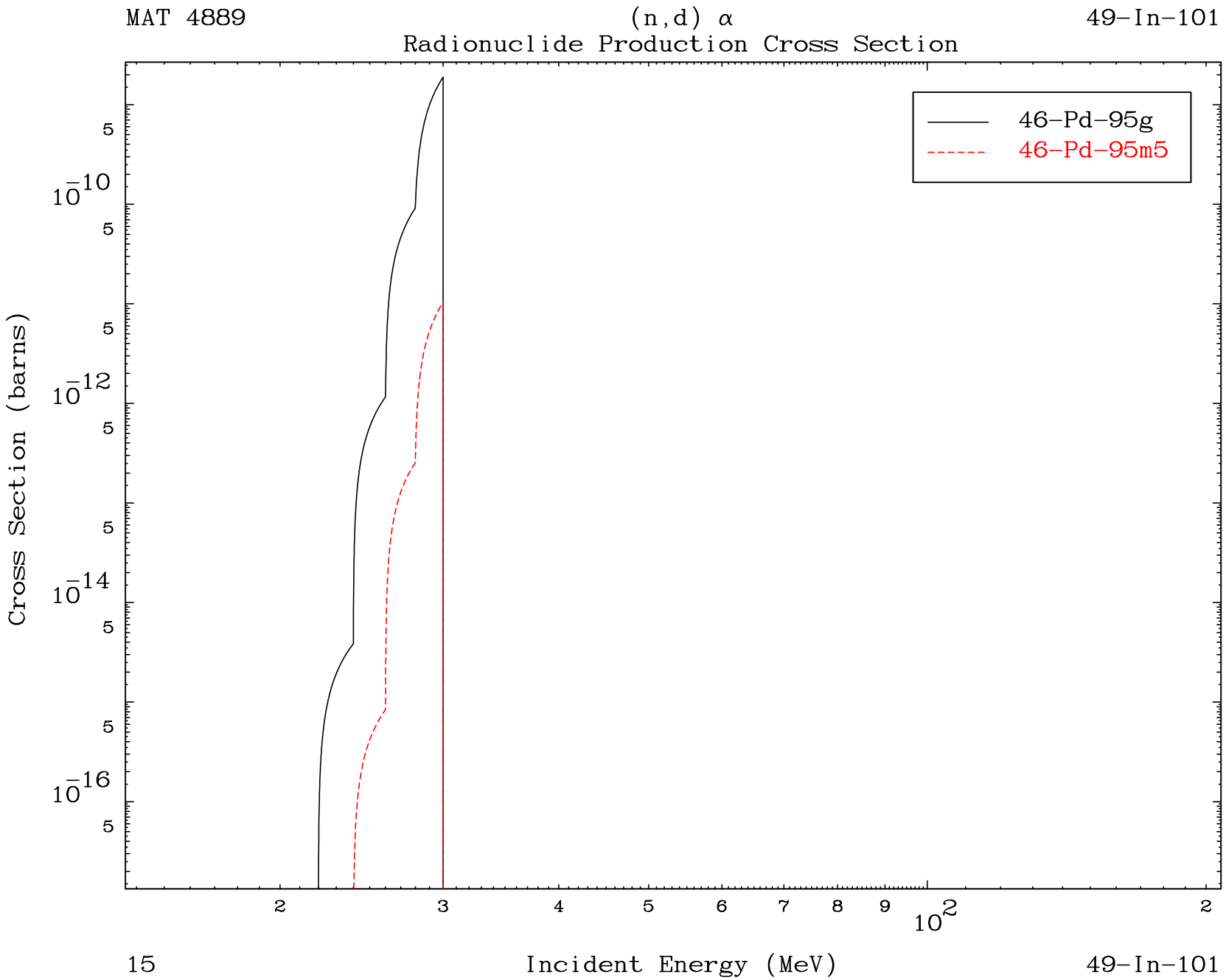

MAT 4889
(γ,He3) Levels
49-In-101
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
49-In-101


MAT 4889
(γ,α) Levels
49-In-101
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
49-In-101


MAT 4889
(n,n') α
49-In-101
Radionuclide Production Cross Section
47-Ag-96g
47-Ag-96m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
12
49-In-101


MAT 4889
(n,n') p α
49-In-101
Radionuclide Production Cross Section
46-Pd-95g
46-Pd-95m5
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
13
Incident Energy (MeV)
49-In-101


MAT 4889
(n,2p)
49-In-101
Radionuclide Production Cross Section
47-Ag-99g
47-Ag-99m2
Cross Section (barns)
Incident Energy (MeV)
14
49-In-101


MAT 4889
(n,d) α
49-In-101
Radionuclide Production Cross Section
46-Pd-95g
46-Pd-95m5
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
2
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
49-In-101