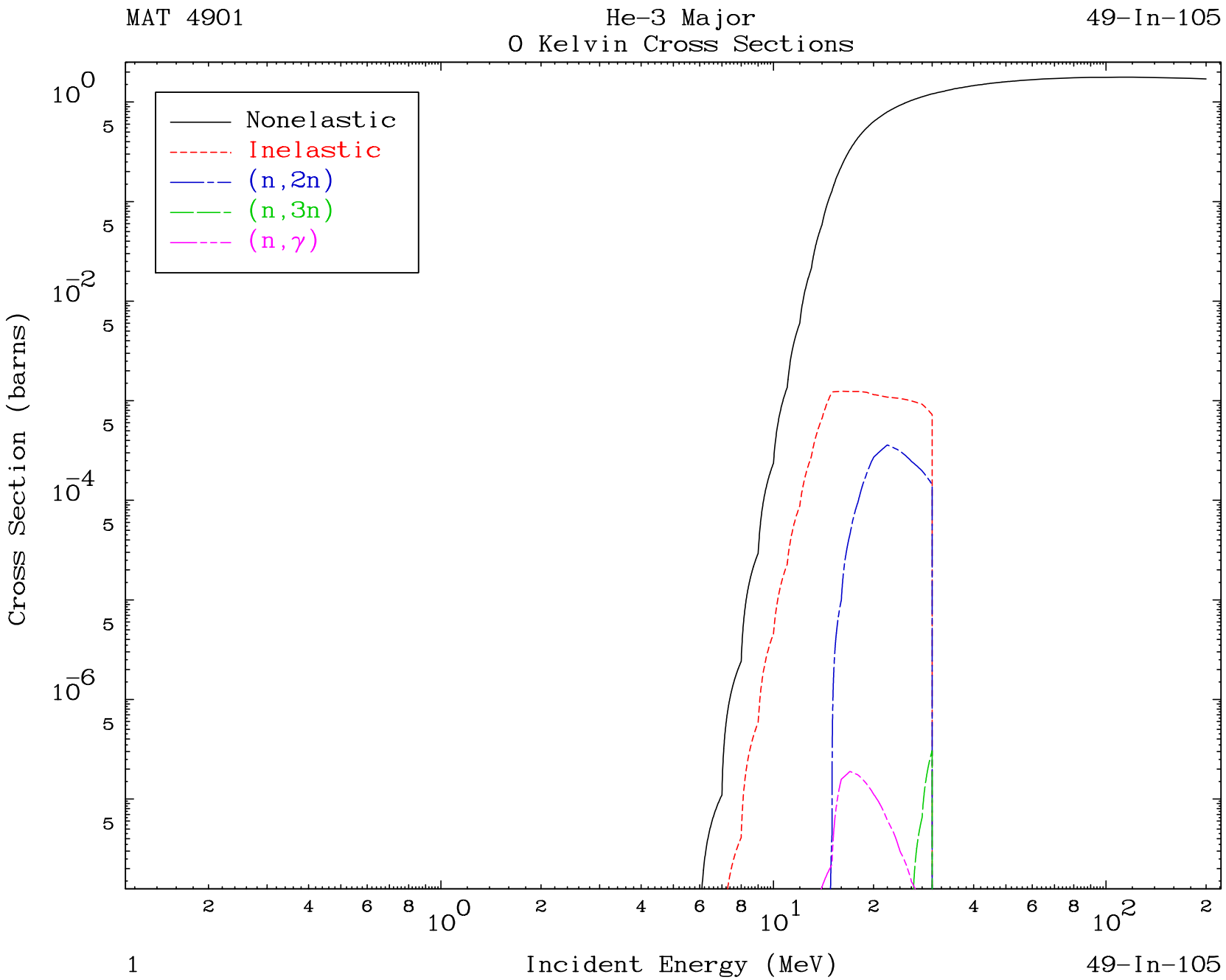
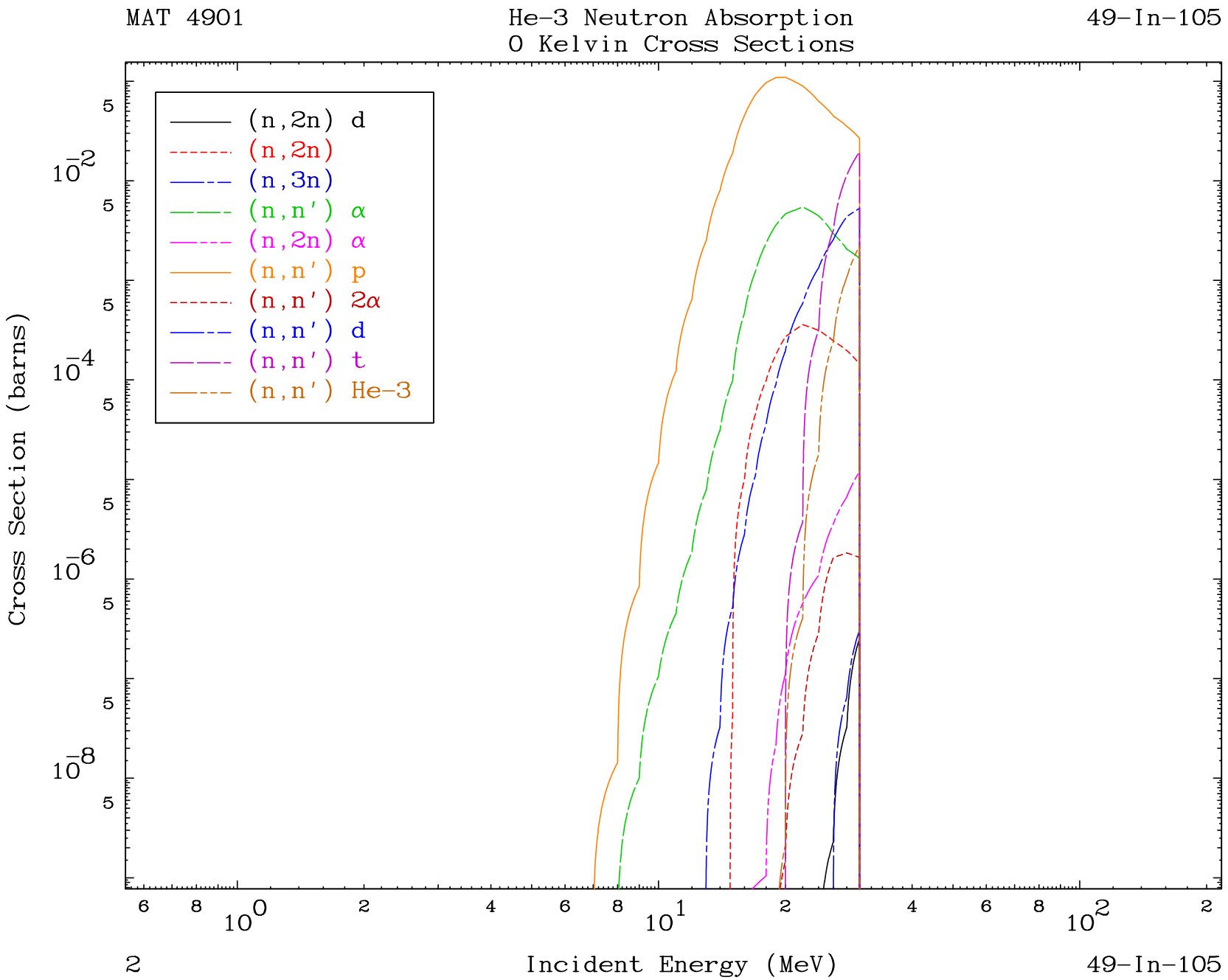
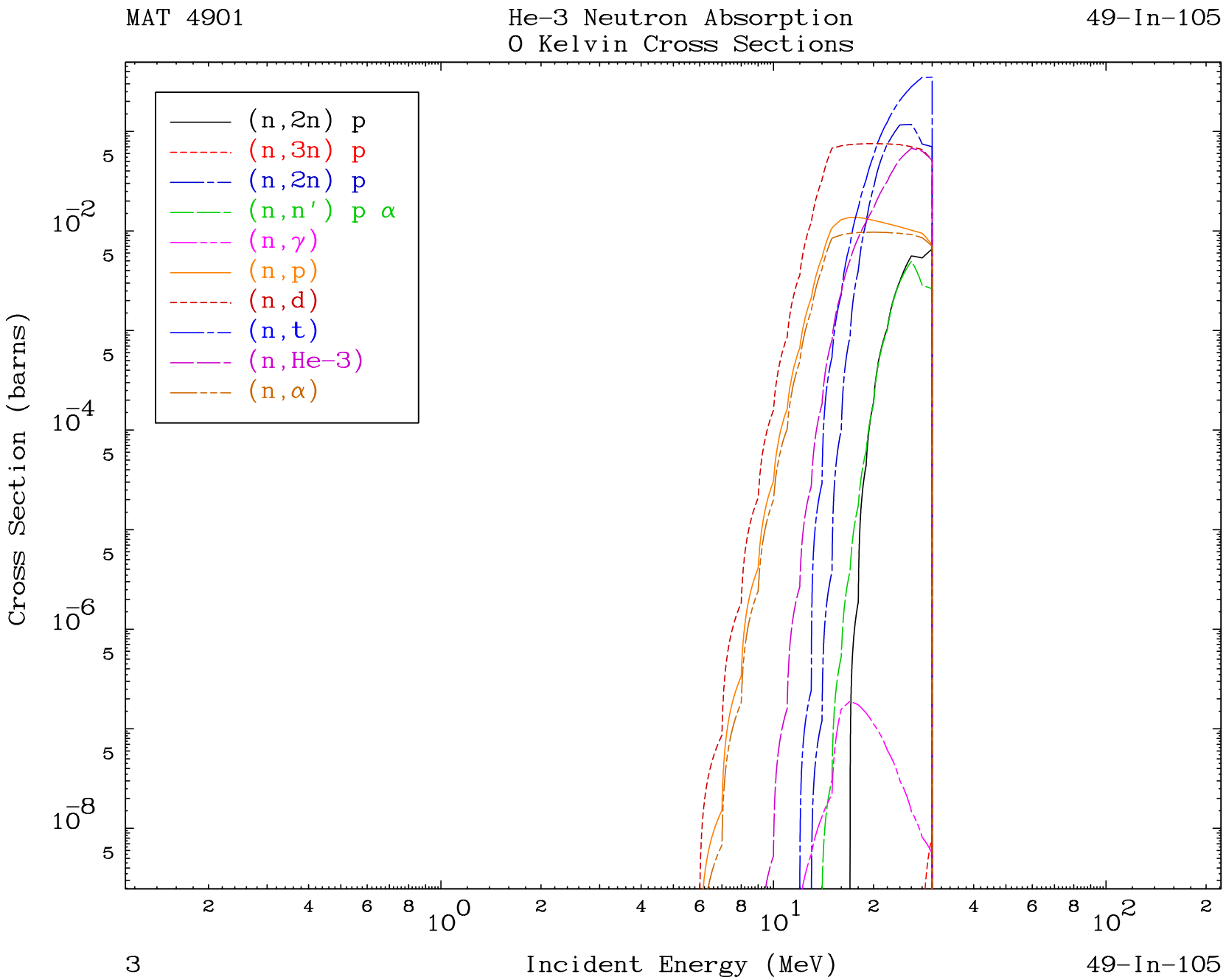
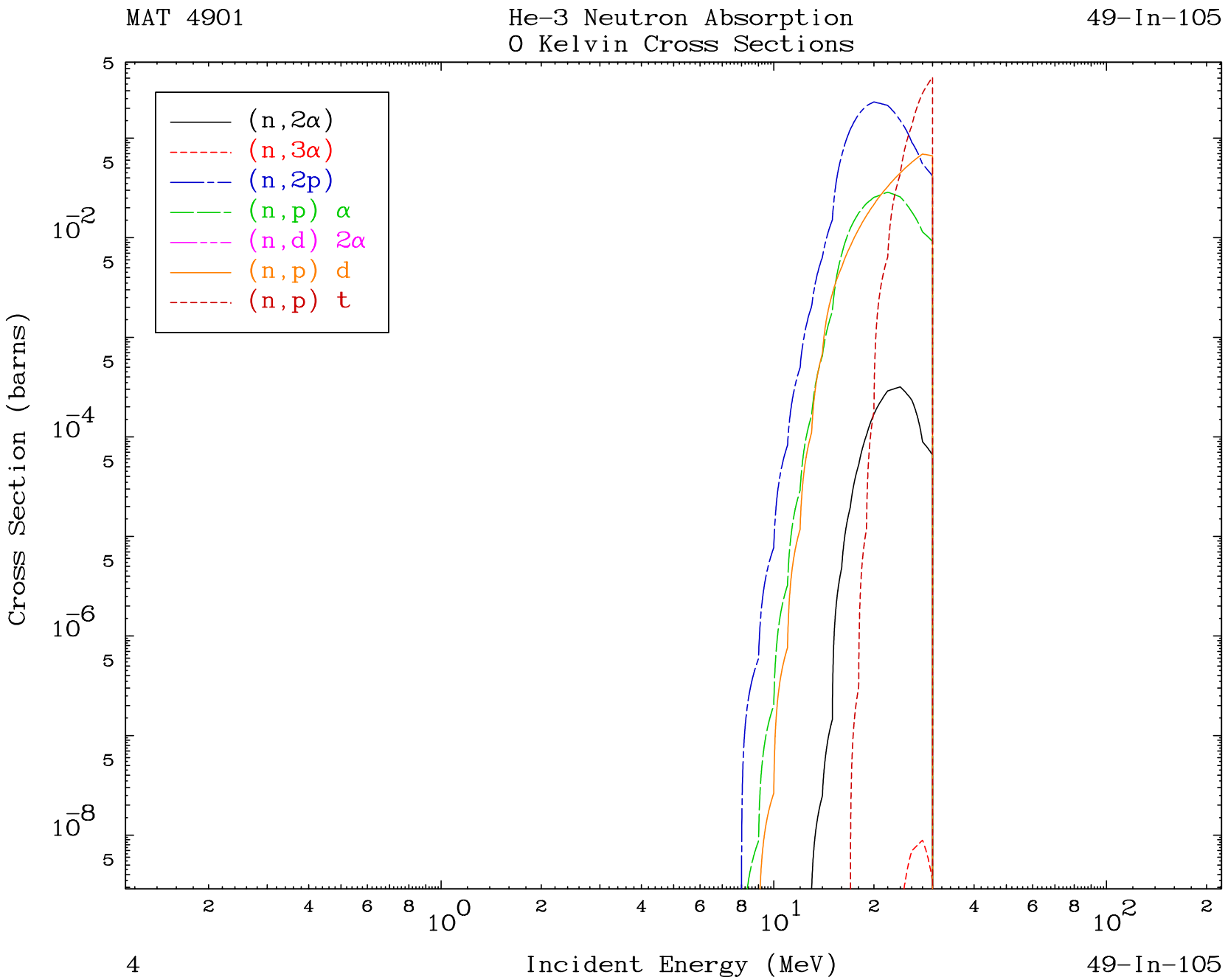
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

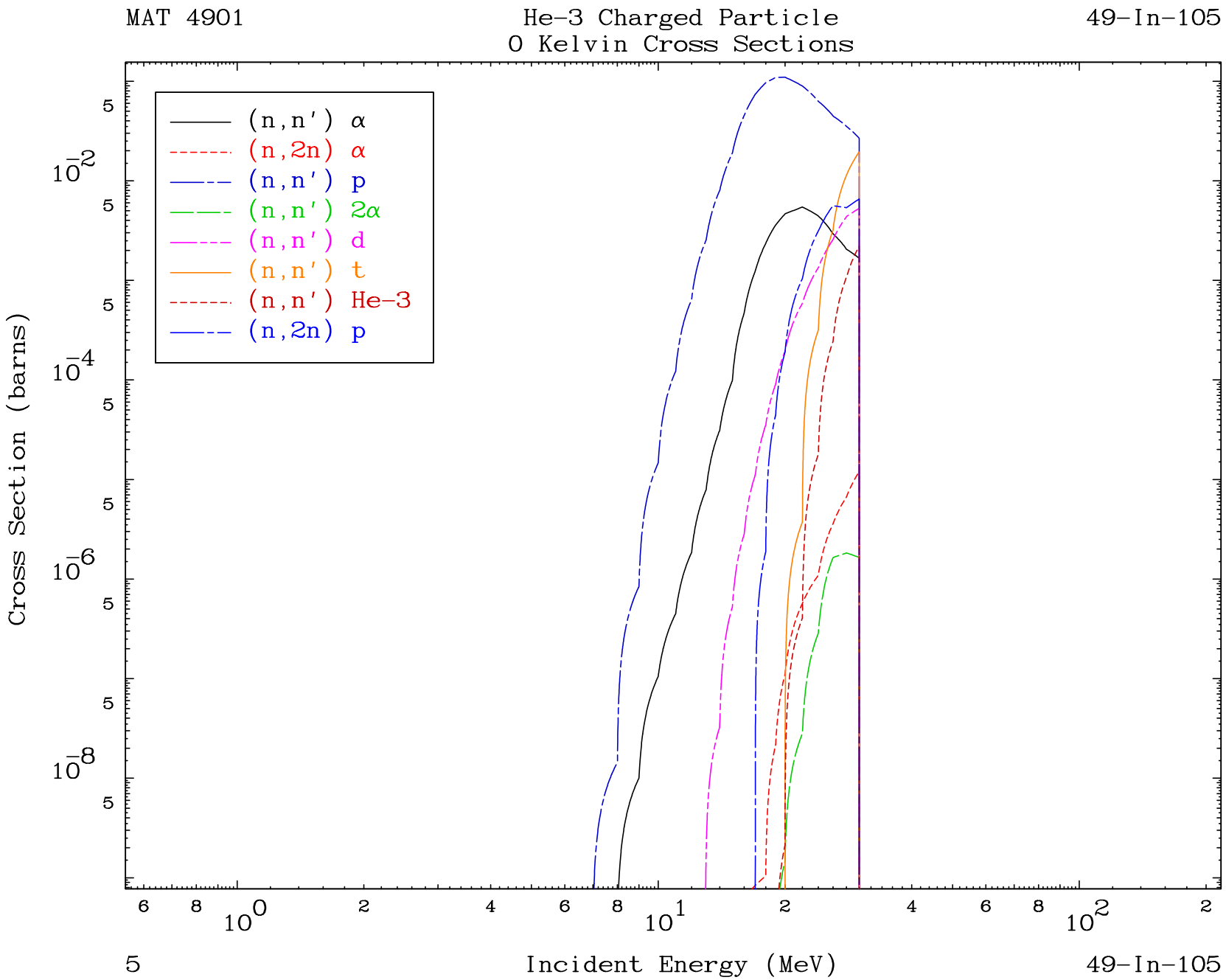
Press Mouse Button to Start

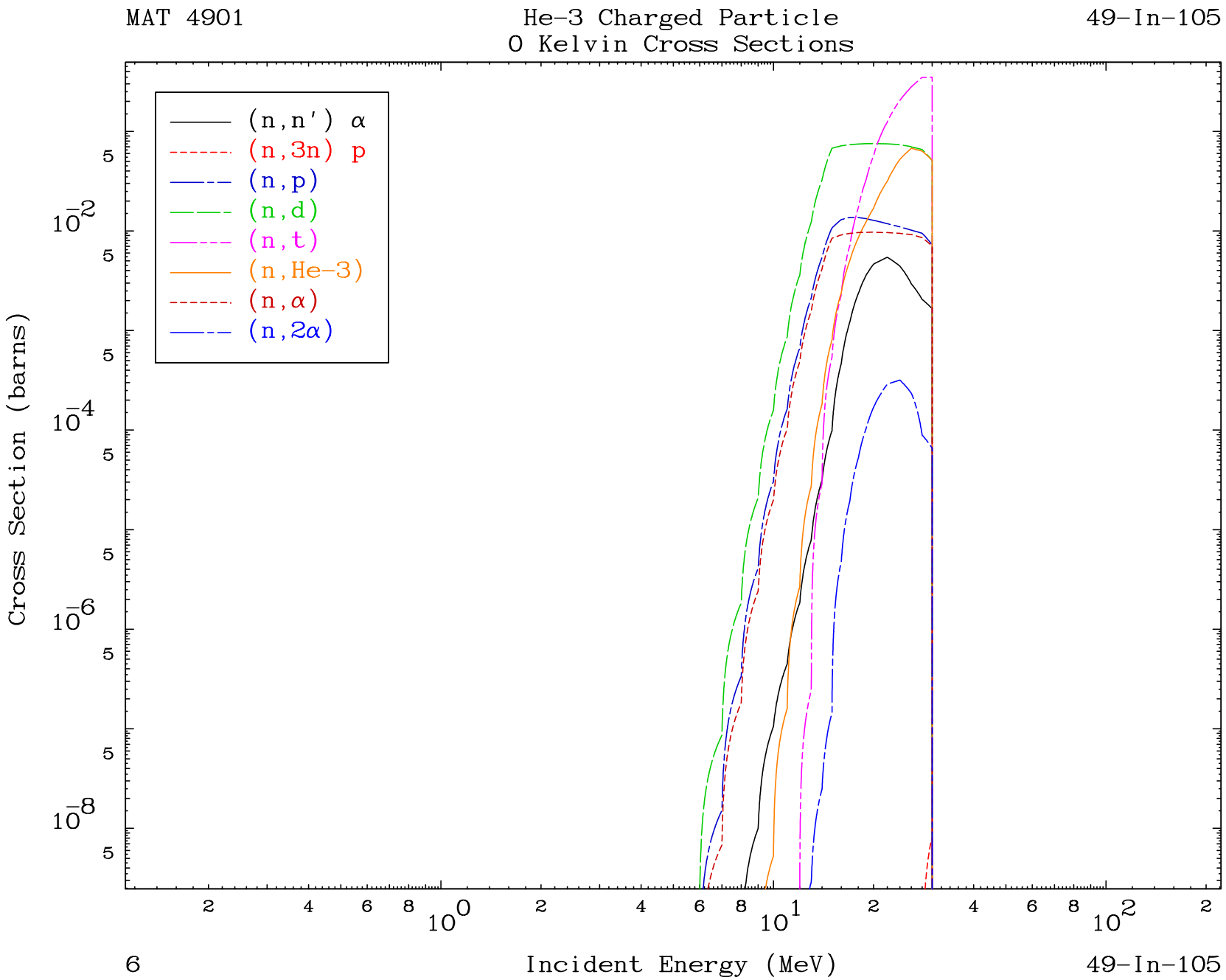

MAT 4901
He-3 Major
49-In-105
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
49-In-105
1

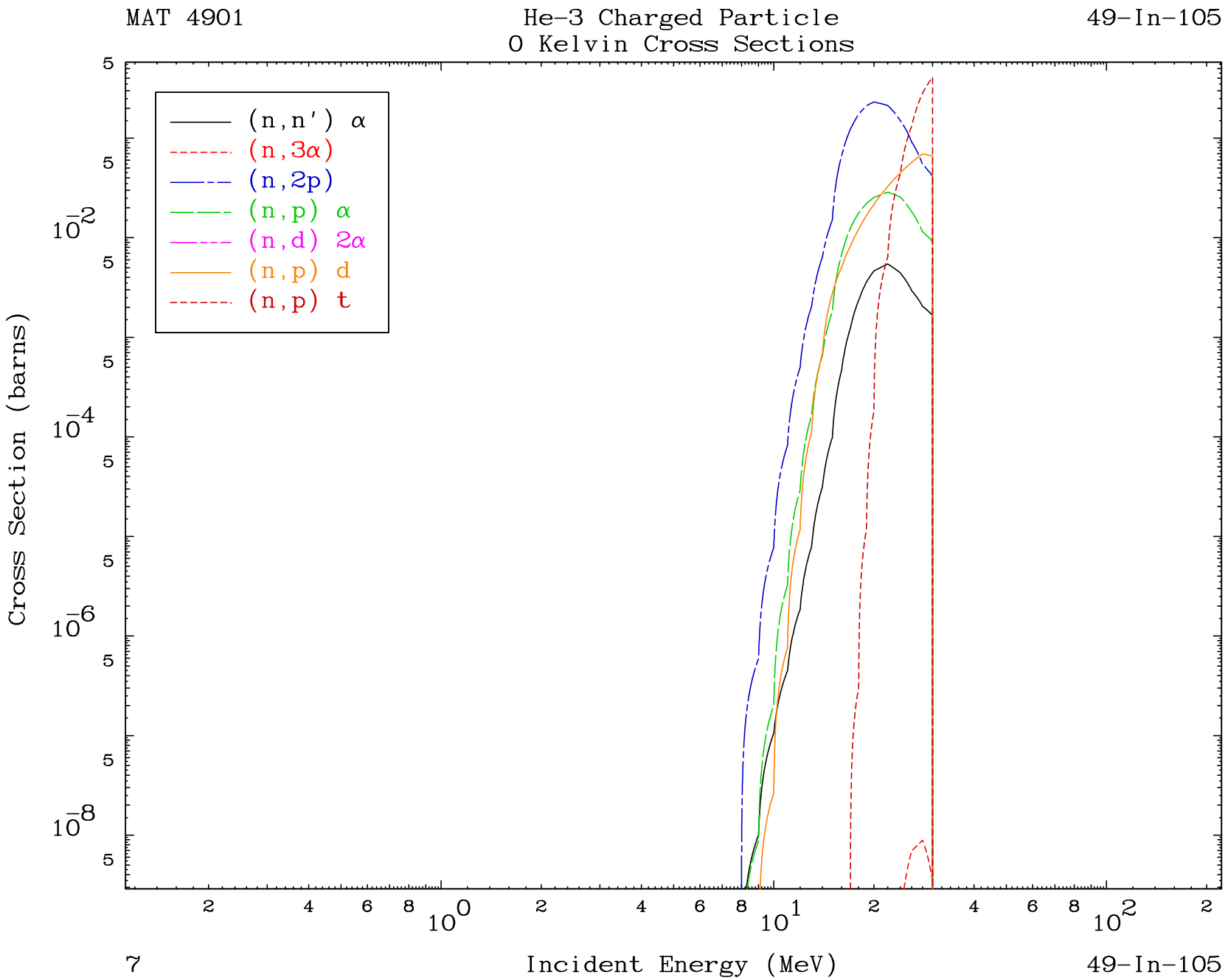

MAT 4901
He-3 Neutron Absorption
0 Kelvin Cross Sections
49-In-105
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
49-In-105
2

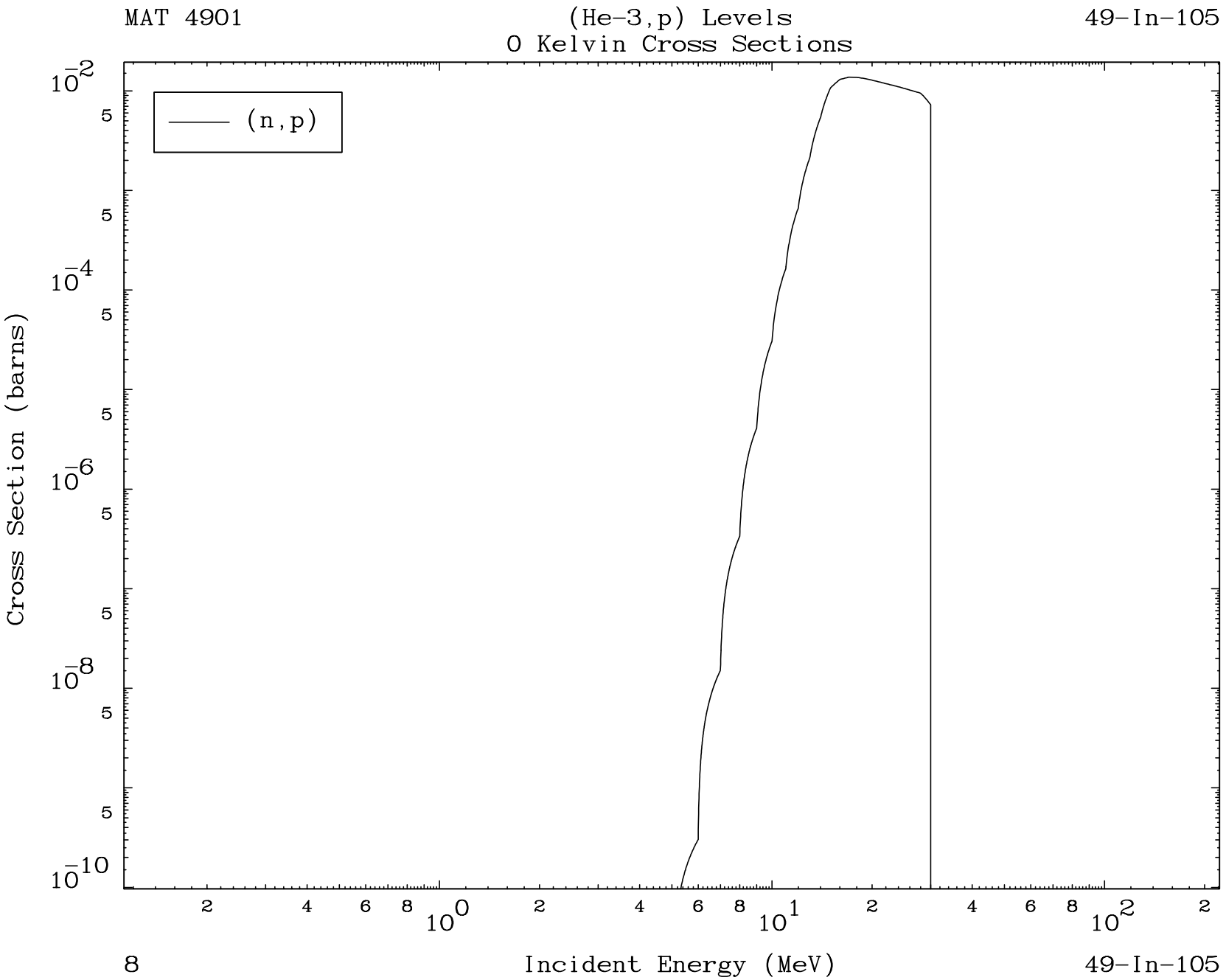

MAT 4901
He-3 Neutron Absorption
0 Kelvin Cross Sections
49-In-105
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
49-In-105

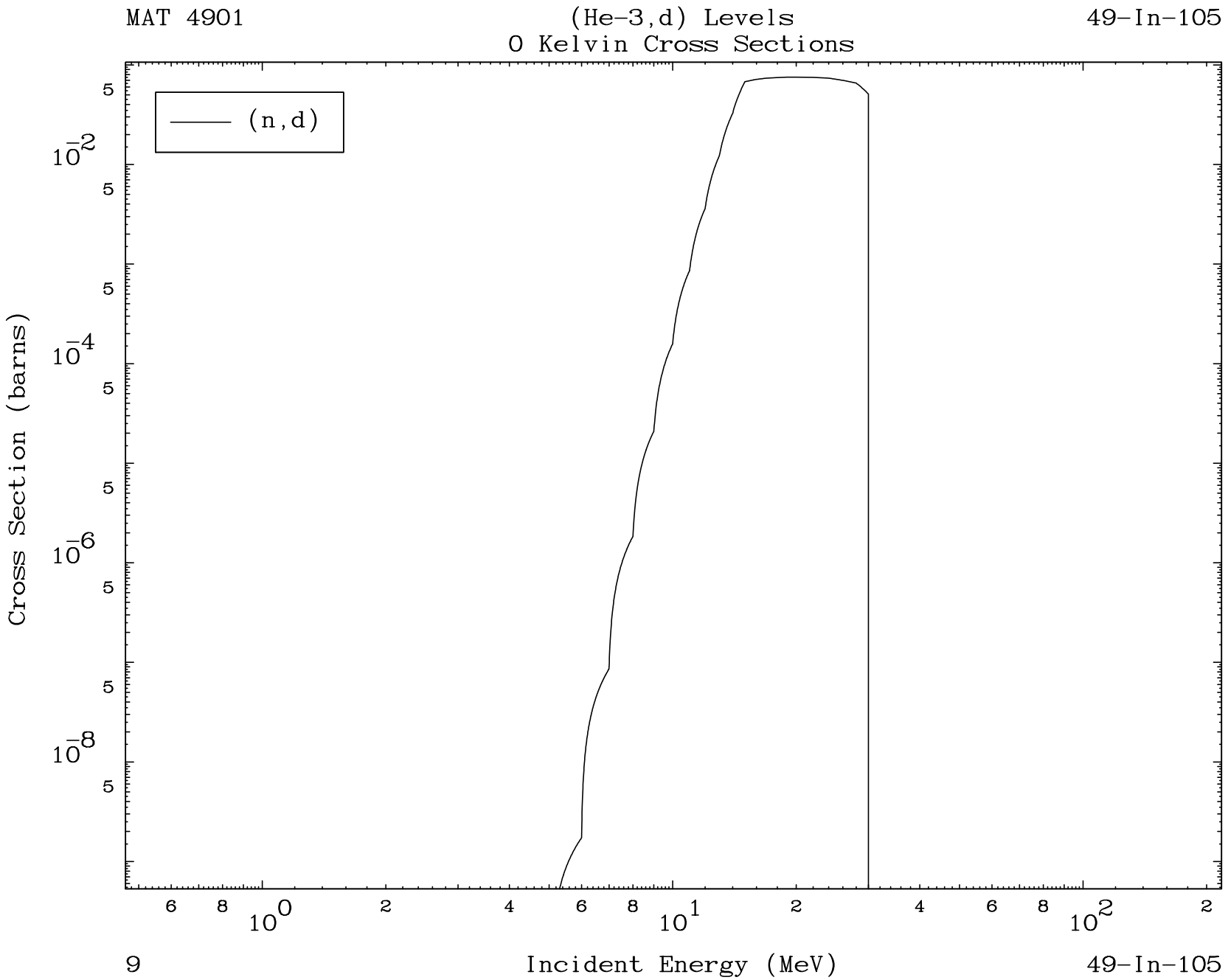

MAT 4901
He-3 Neutron Absorption
0 Kelvin Cross Sections
49-In-105
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
4
49-In-105

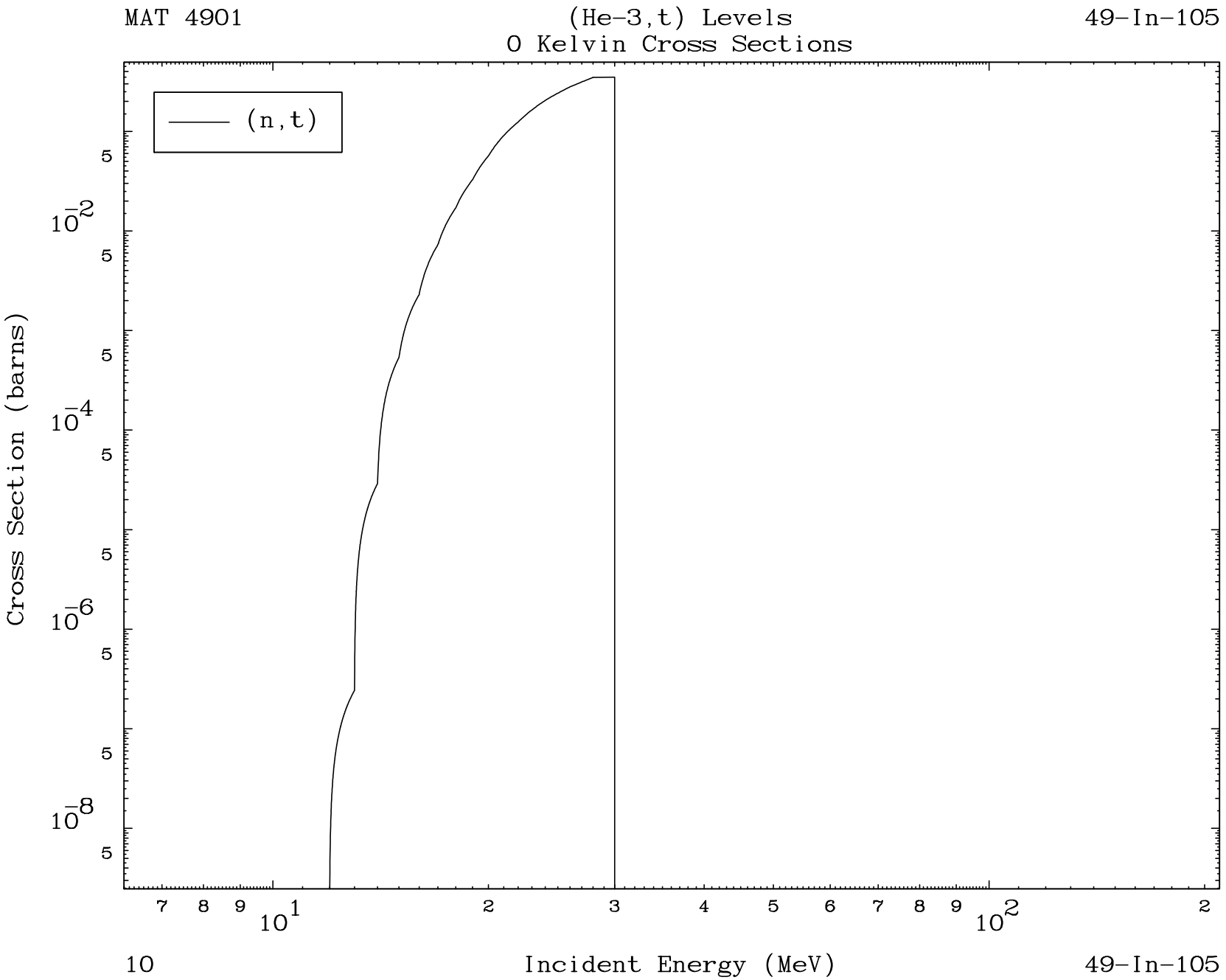

MAT 4901
He-3 Charged Particle
0 Kelvin Cross Sections
49-In-105
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
49-In-105
5

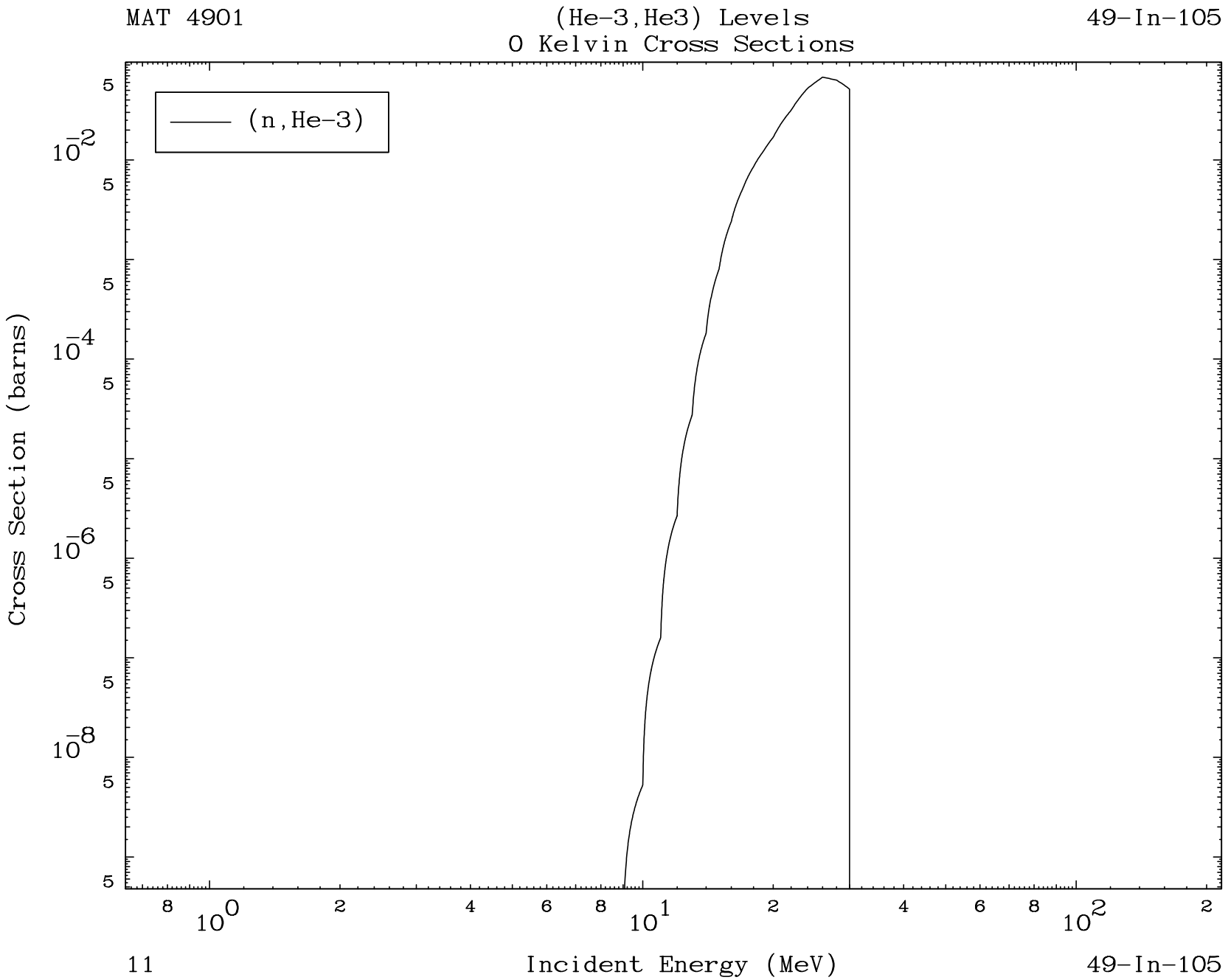

MAT 4901
He-3 Charged Particle
0 Kelvin Cross Sections
49-In-105
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
6
49-In-105

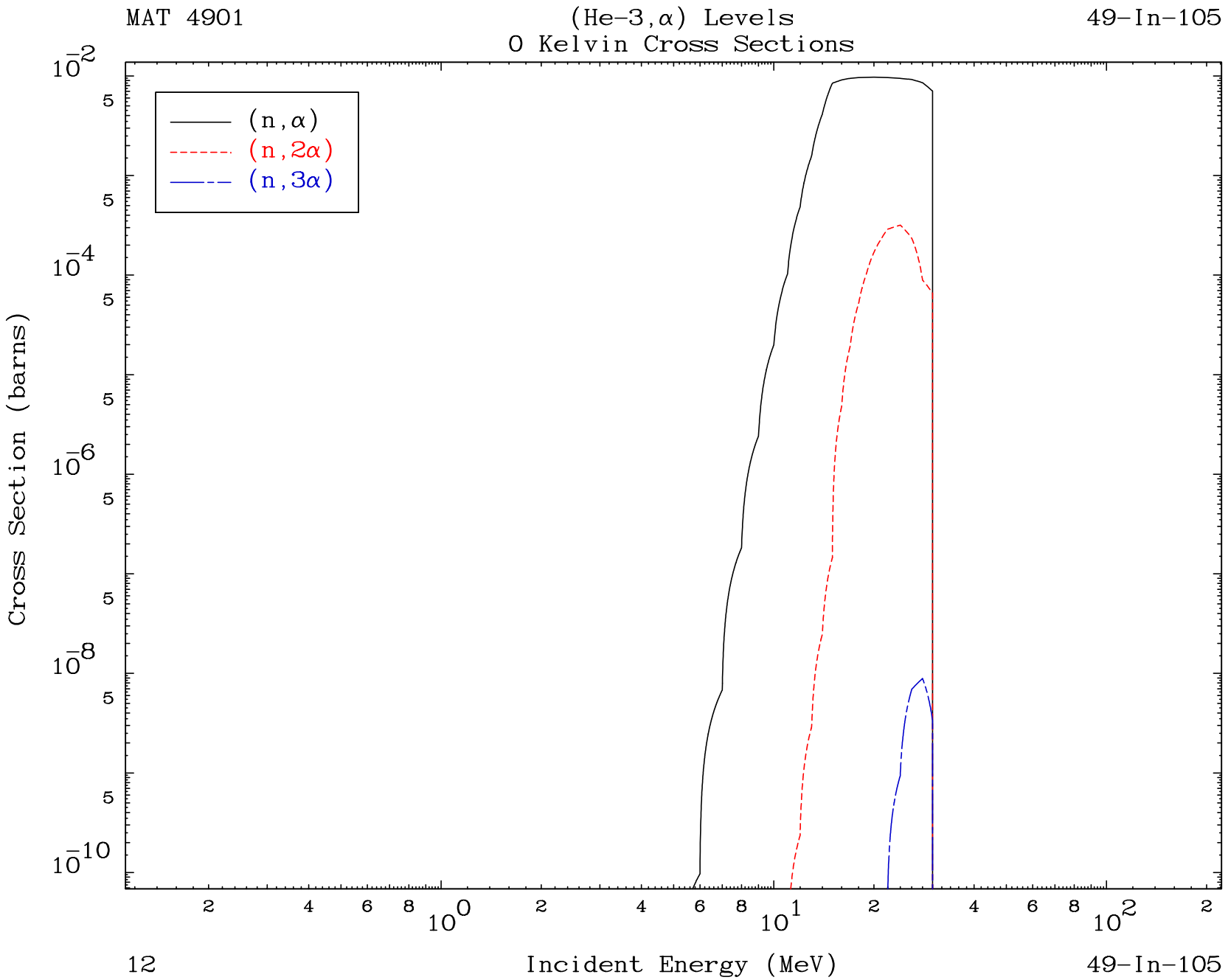

MAT 4901
He-3 Charged Particle
0 Kelvin Cross Sections
49-In-105
(n,n') α
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
7
49-In-105

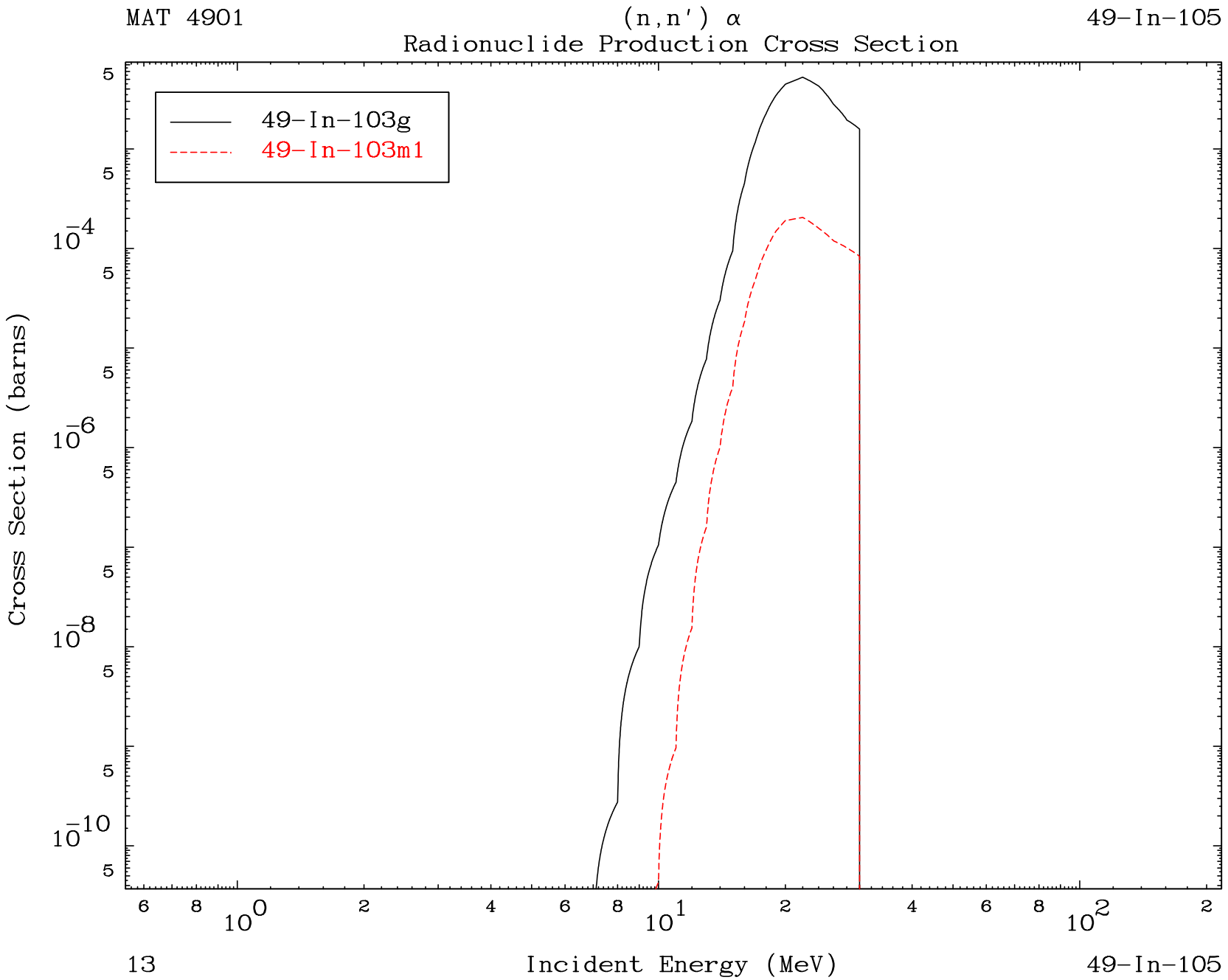

MAT 4901
(He-3,p) Levels
0 Kelvin Cross Sections
49-In-105
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
49-In-105

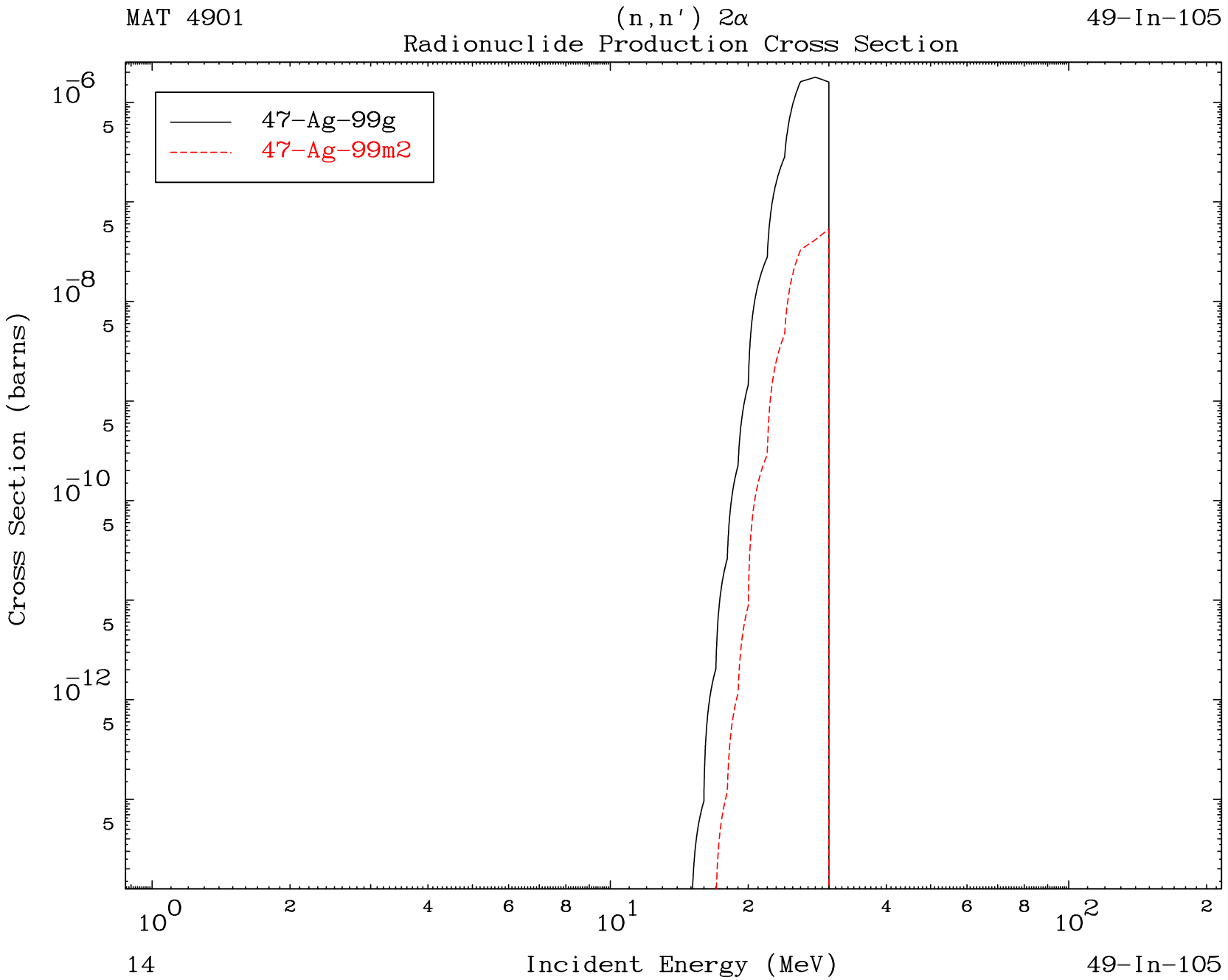

MAT 4901
(He-3,d) Levels
49-In-105
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
49-In-105

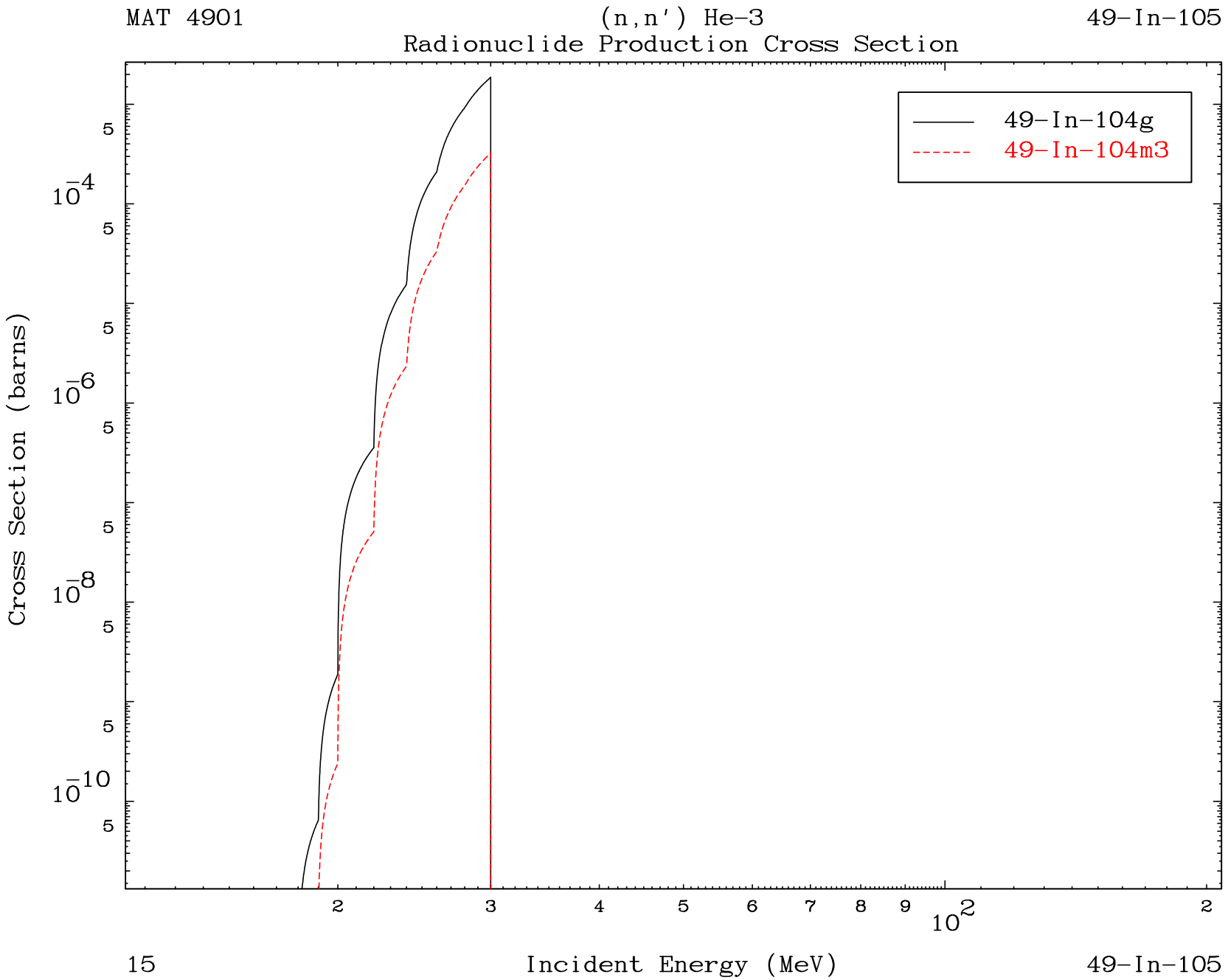

MAT 4901
(He-3,t) Levels
49-In-105
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
10
Incident Energy (MeV)
49-In-105

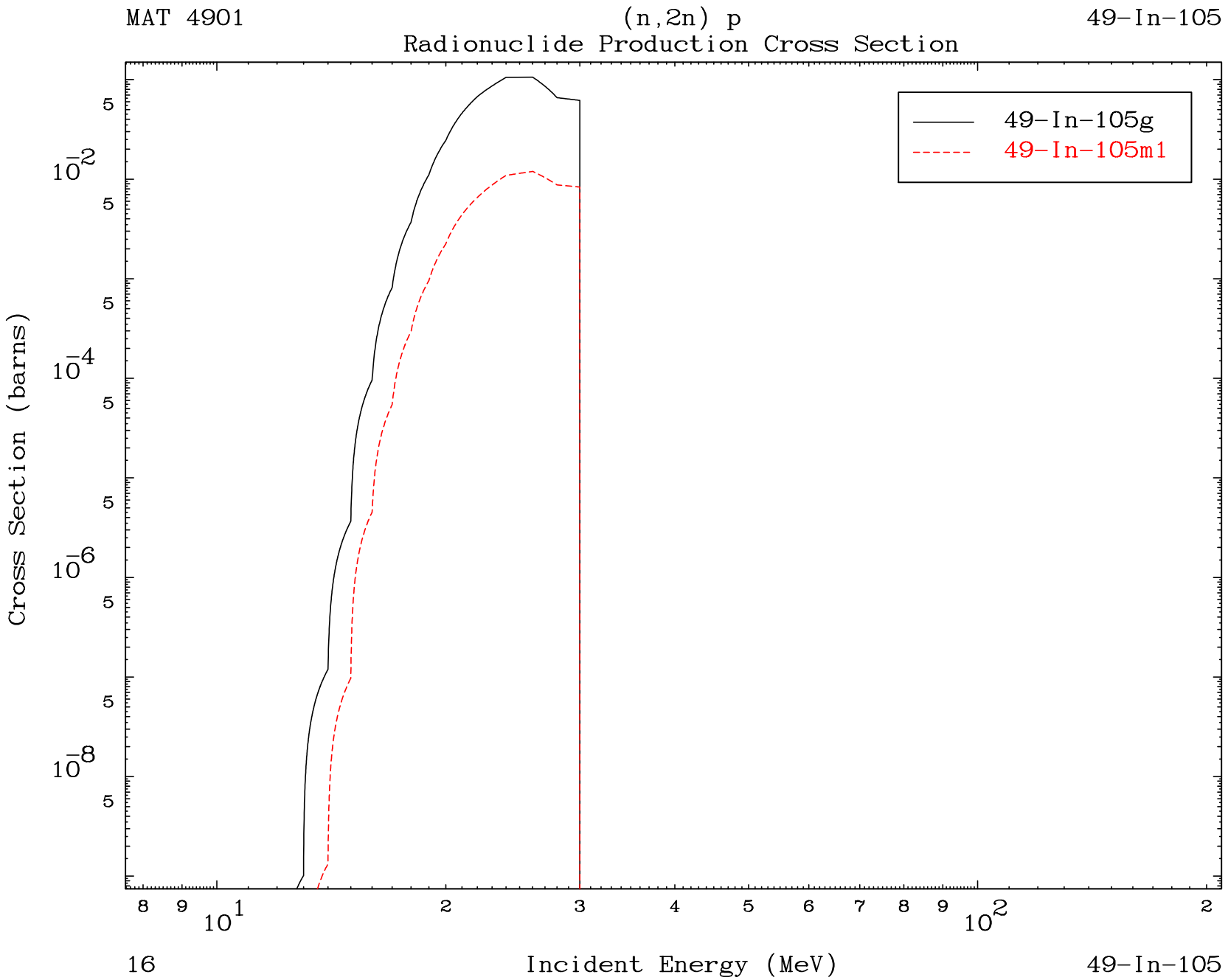

MAT 4901
(He-3,He3) Levels
49-In-105
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
49-In-105

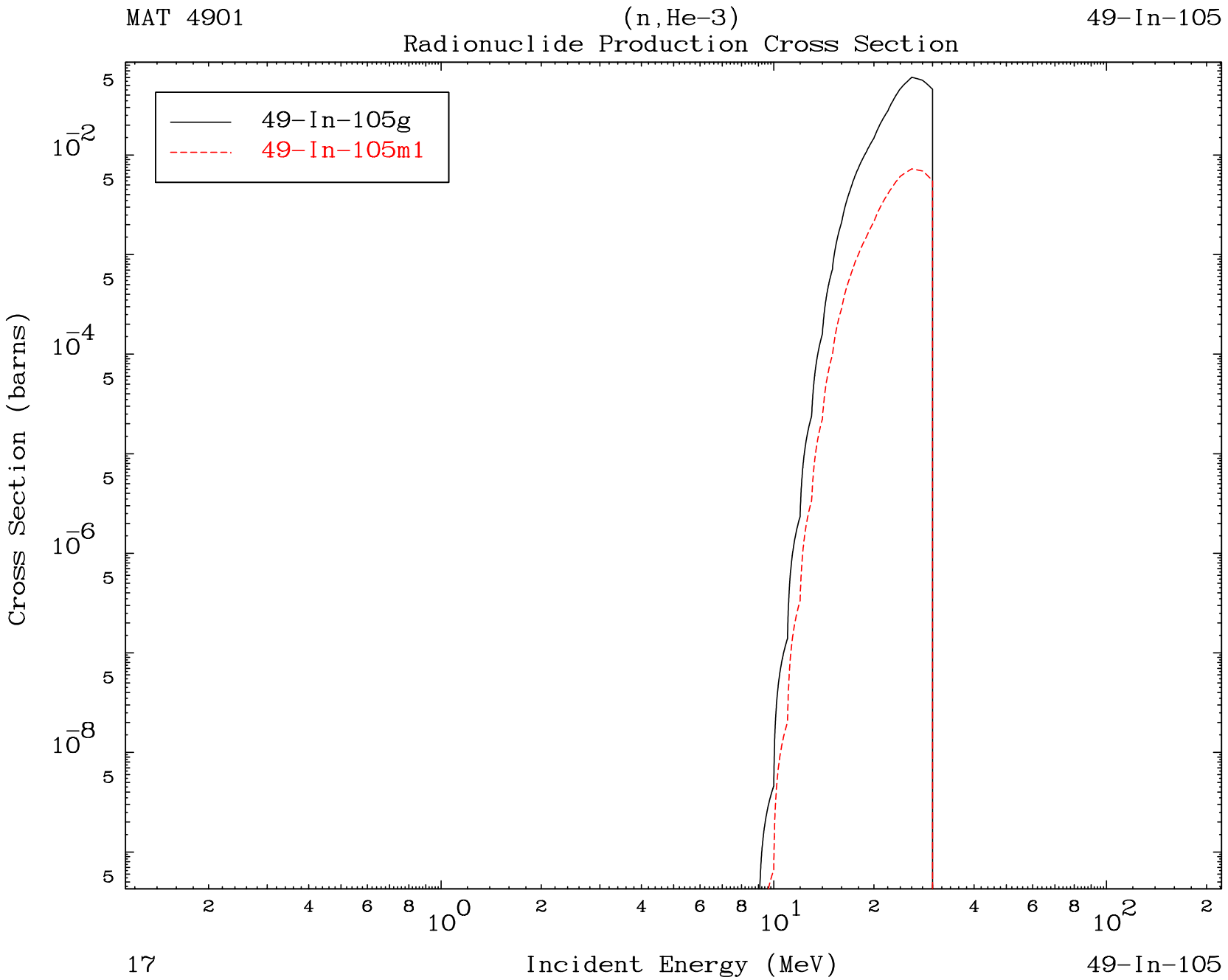

MAT 4901
(He-3,α) Levels
0 Kelvin Cross Sections
49-In-105
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
Incident Energy (MeV)
12
49-In-105

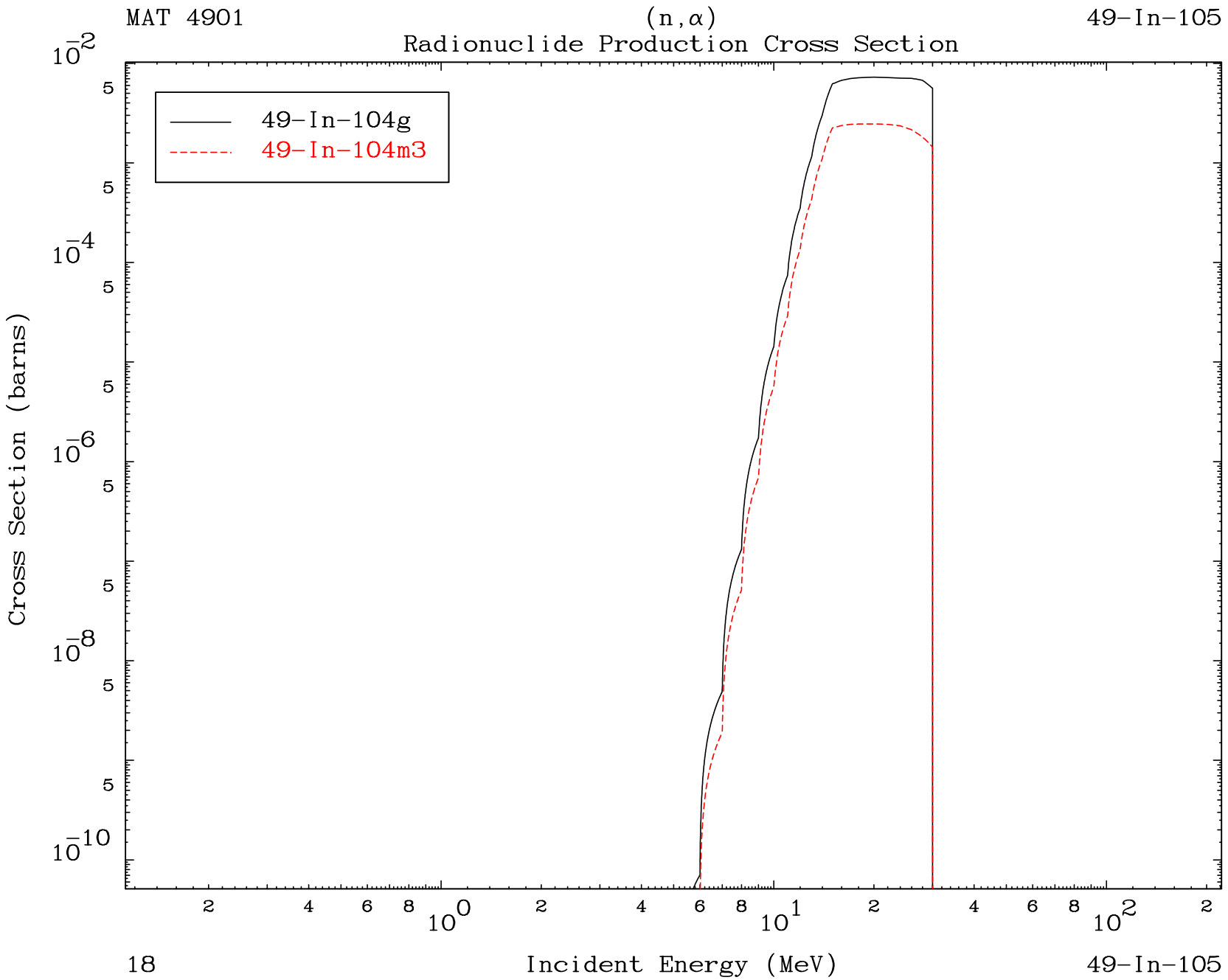

MAT 4901
(n,n') α
49-In-105
Radionuclide Production Cross Section
49-In-103g
49-In-103m1
Cross Section (barns)
Incident Energy (MeV)
13
49-In-105

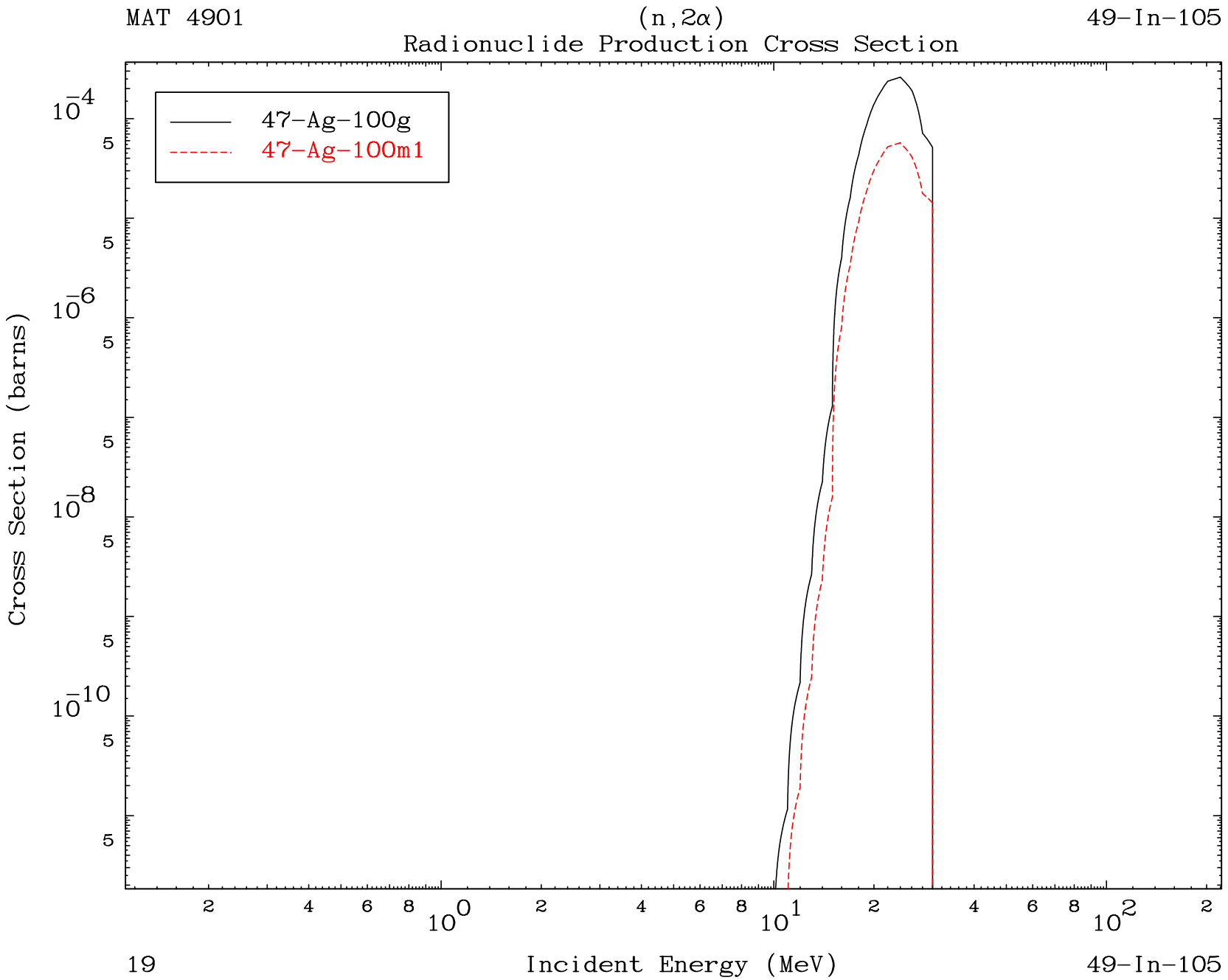

MAT 4901
(n,n') 2α
49-In-105
Radionuclide Production Cross Section
47-Ag-99g
47-Ag-99m2
Cross Section (barns)
Incident Energy (MeV)
14
49-In-105

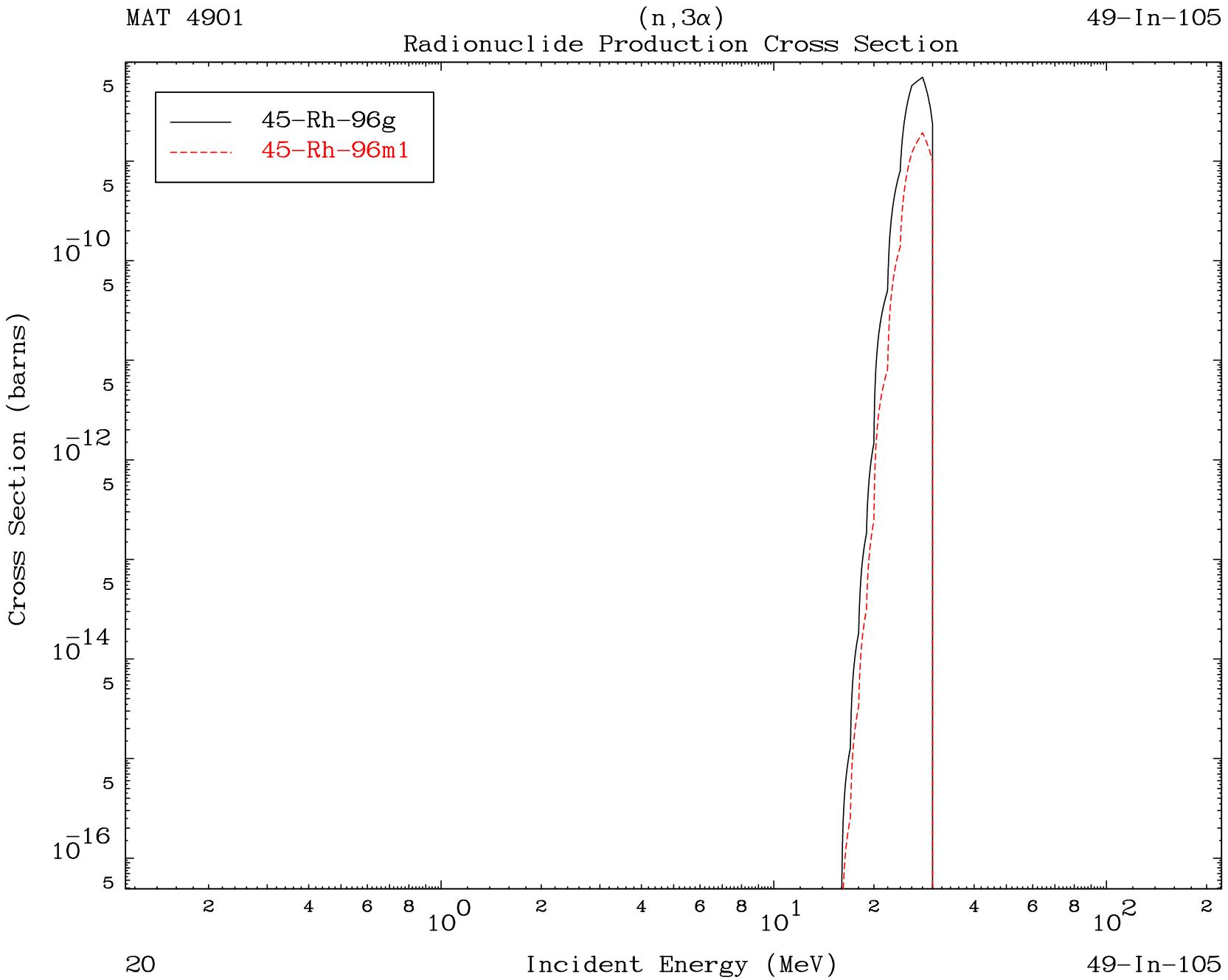

MAT 4901
(n,n') He-3
49-In-105
Radionuclide Production Cross Section
49-In-104g
49-In-104m3
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
49-In-105

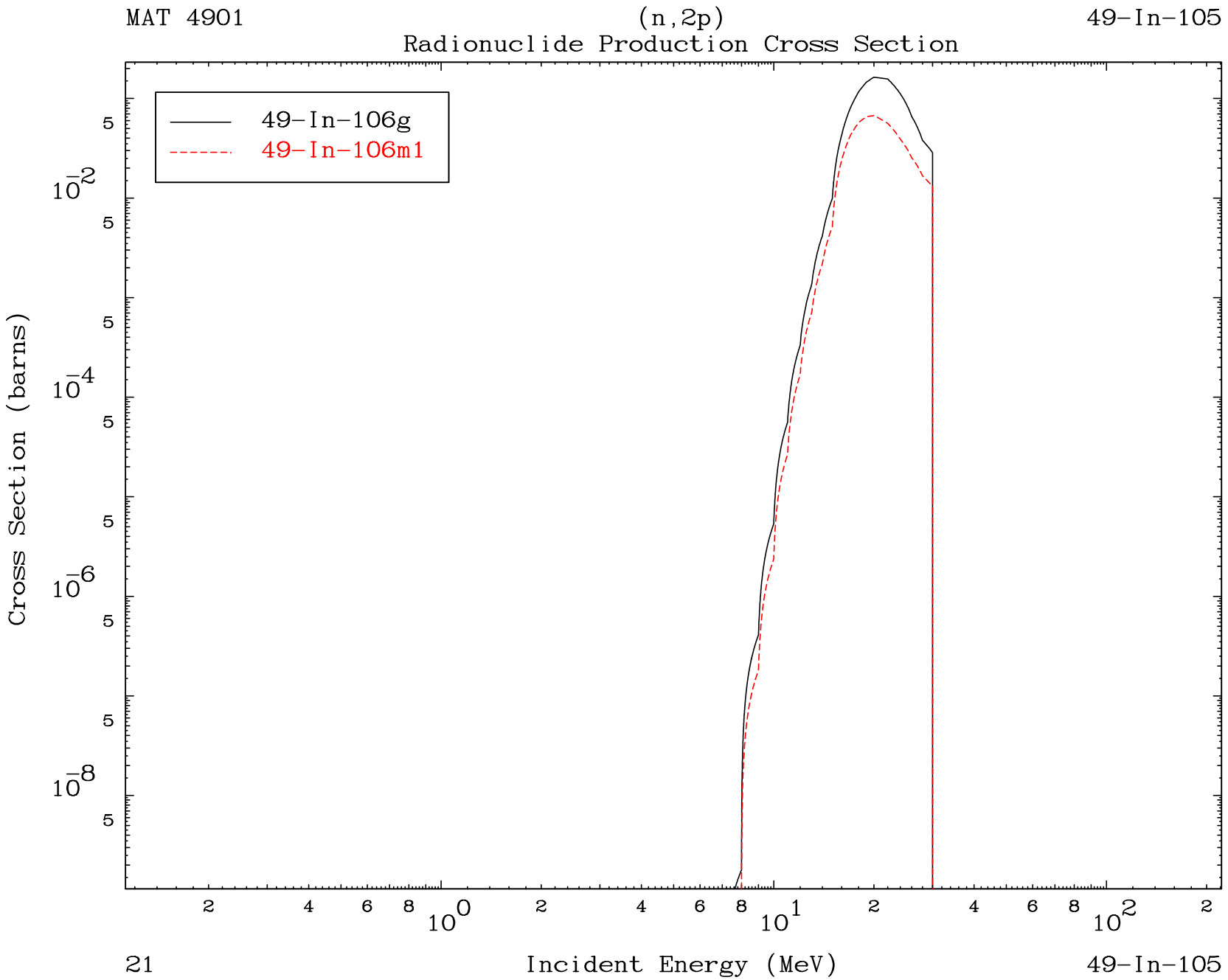

MAT 4901
(n,2n) p
49-In-105
Radionuclide Production Cross Section
49-In-105g
49-In-105m1
Cross Section (barns)
Incident Energy (MeV)
16
49-In-105

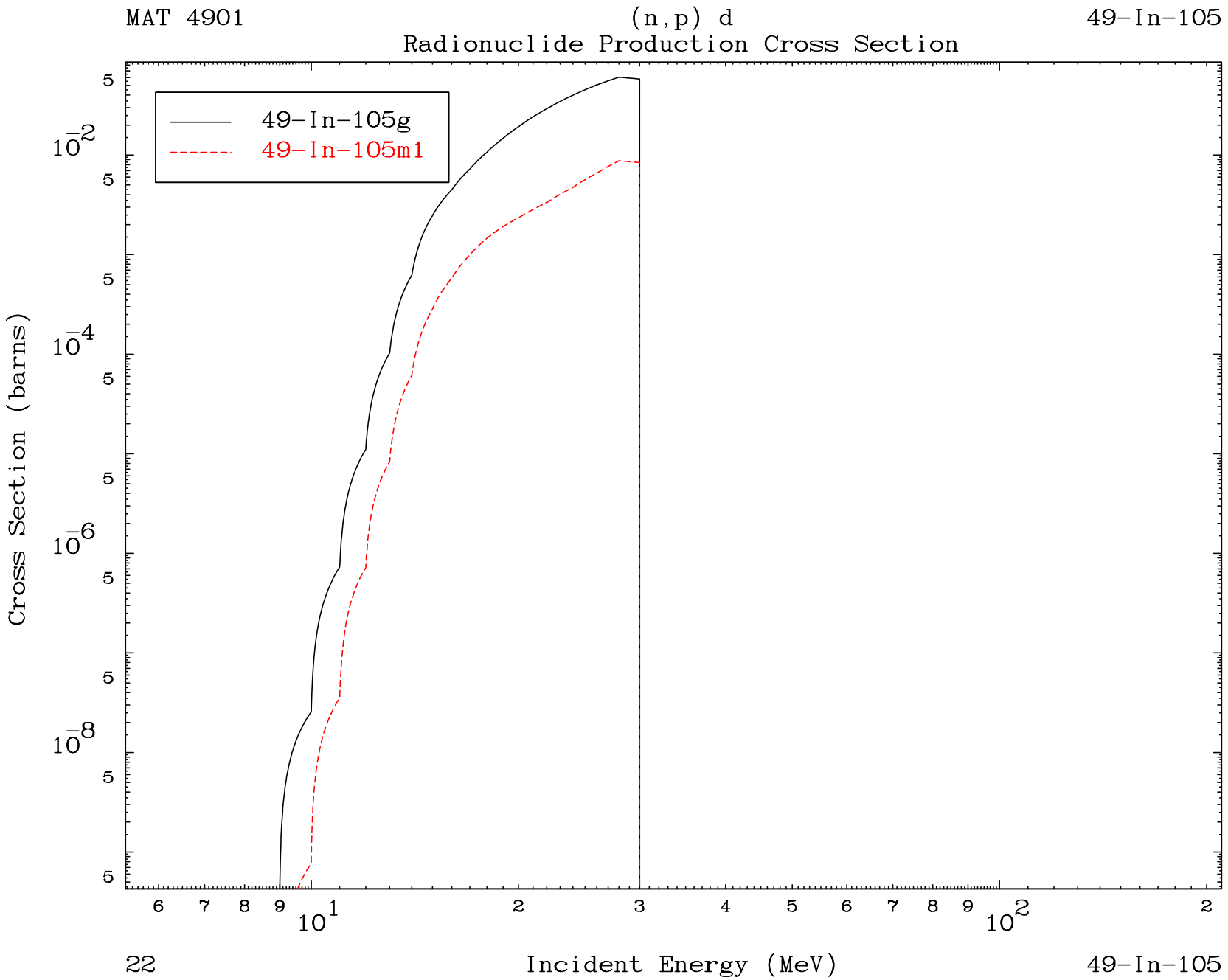

MAT 4901
(n,He-3)
49-In-105
Radionuclide Production Cross Section
49-In-105g
49-In-105m1
Cross Section (barns)
Incident Energy (MeV)
17
49-In-105

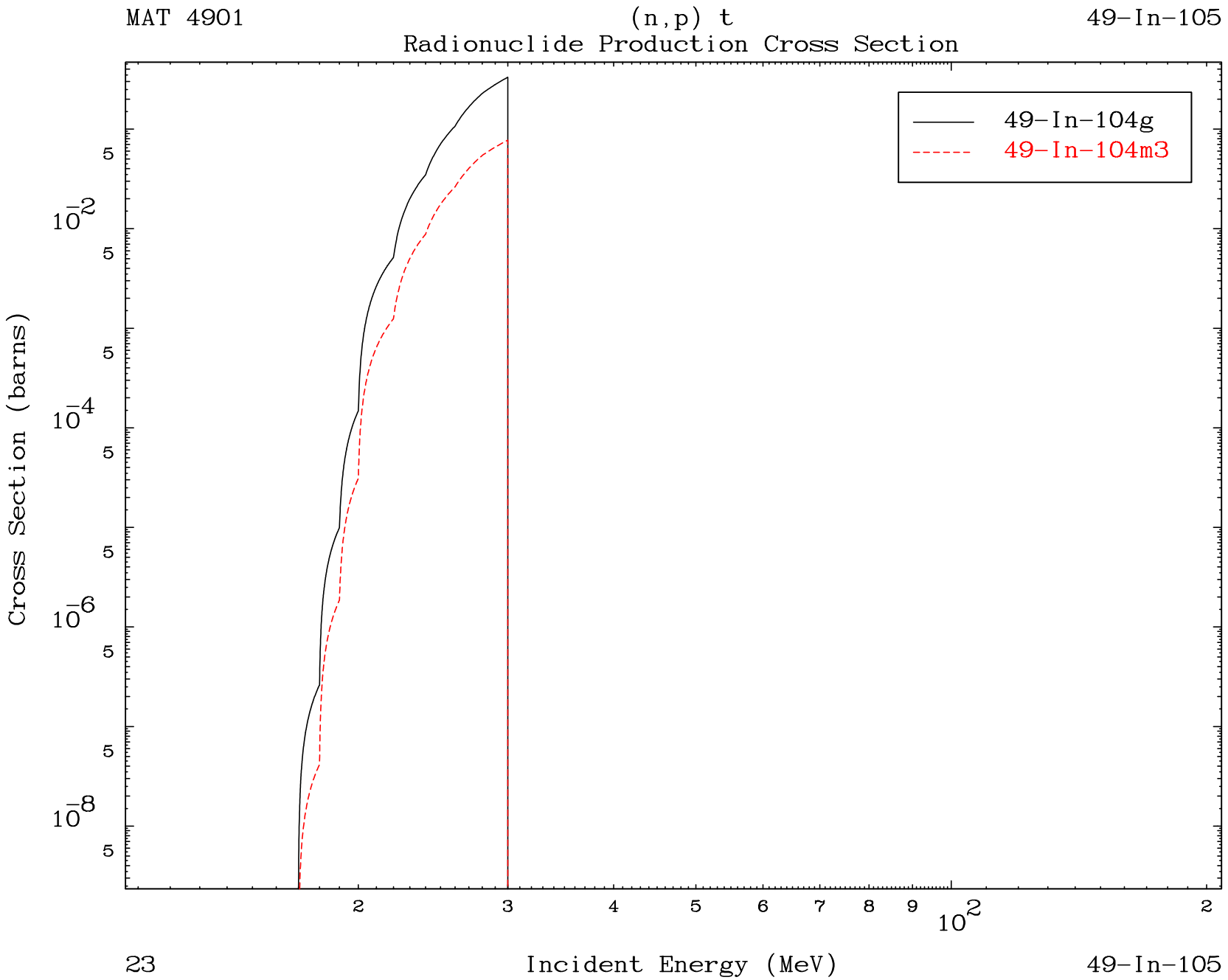

MAT 4901
(n,α)
49-In-105
Radionuclide Production Cross Section
49-In-104g
49-In-104m3
Cross Section (barns)
Incident Energy (MeV)
18
49-In-105


MAT 4901
(n,2α)
49-In-105
Radionuclide Production Cross Section
47-Ag-100g
47-Ag-100m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
19
49-In-105


MAT 4901
(n,3α)
49-In-105
Radionuclide Production Cross Section
45-Rh-96g
45-Rh-96m1
Cross Section (barns)
Incident Energy (MeV)
20
49-In-105


MAT 4901
(n,2p)
49-In-105
Radionuclide Production Cross Section
49-In-106g
49-In-106m1
Cross Section (barns)
10-2
10-4
10-6
10-8
10 0
10 1
10 2
Incident Energy (MeV)
21
49-In-105


MAT 4901
(n,p) d
49-In-105
Radionuclide Production Cross Section
49-In-105g
49-In-105m1
Cross Section (barns)
Incident Energy (MeV)
22
49-In-105


MAT 4901
(n,p) t
49-In-105
Radionuclide Production Cross Section
49-In-104g
49-In-104m3
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
23
Incident Energy (MeV)
49-In-105