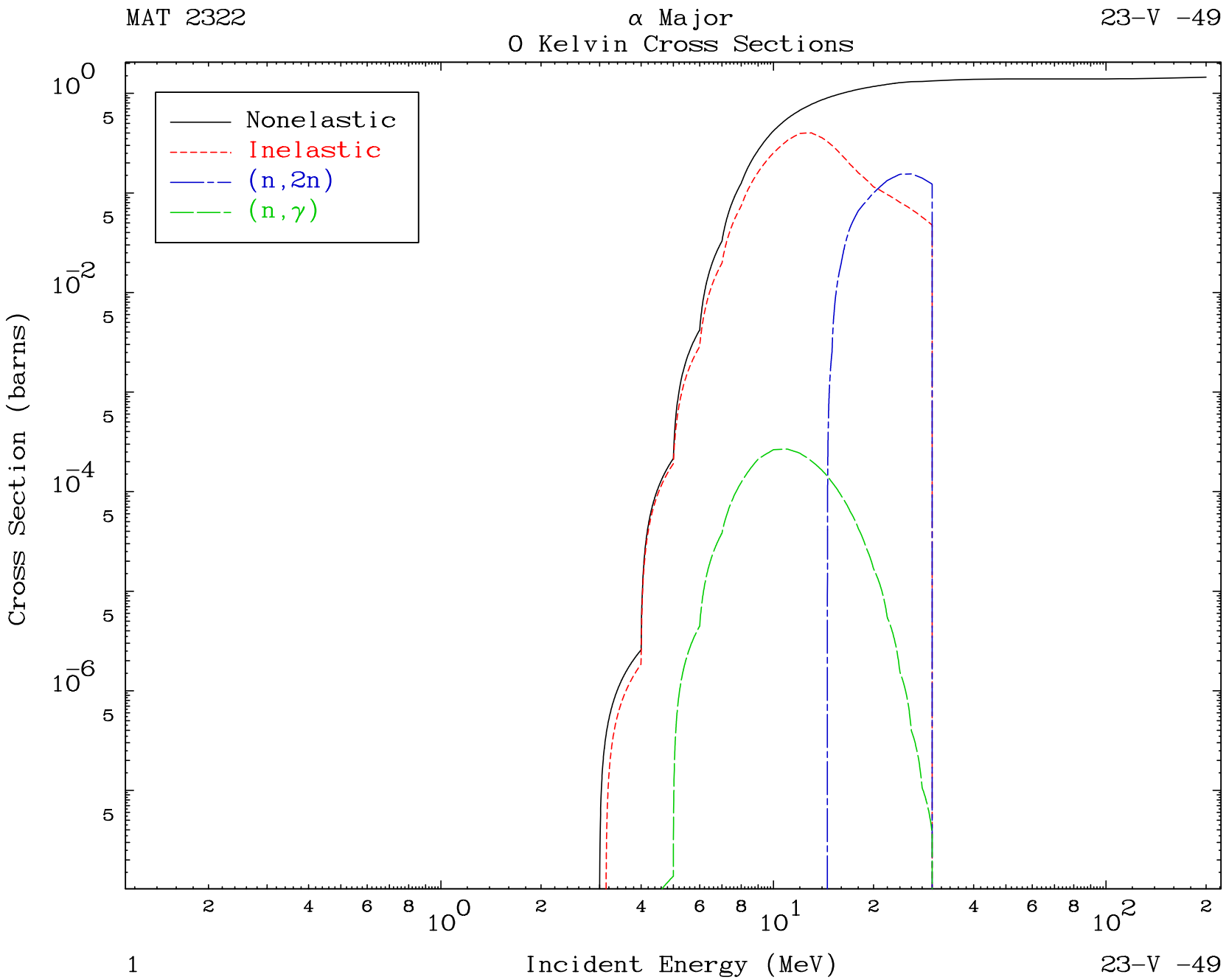
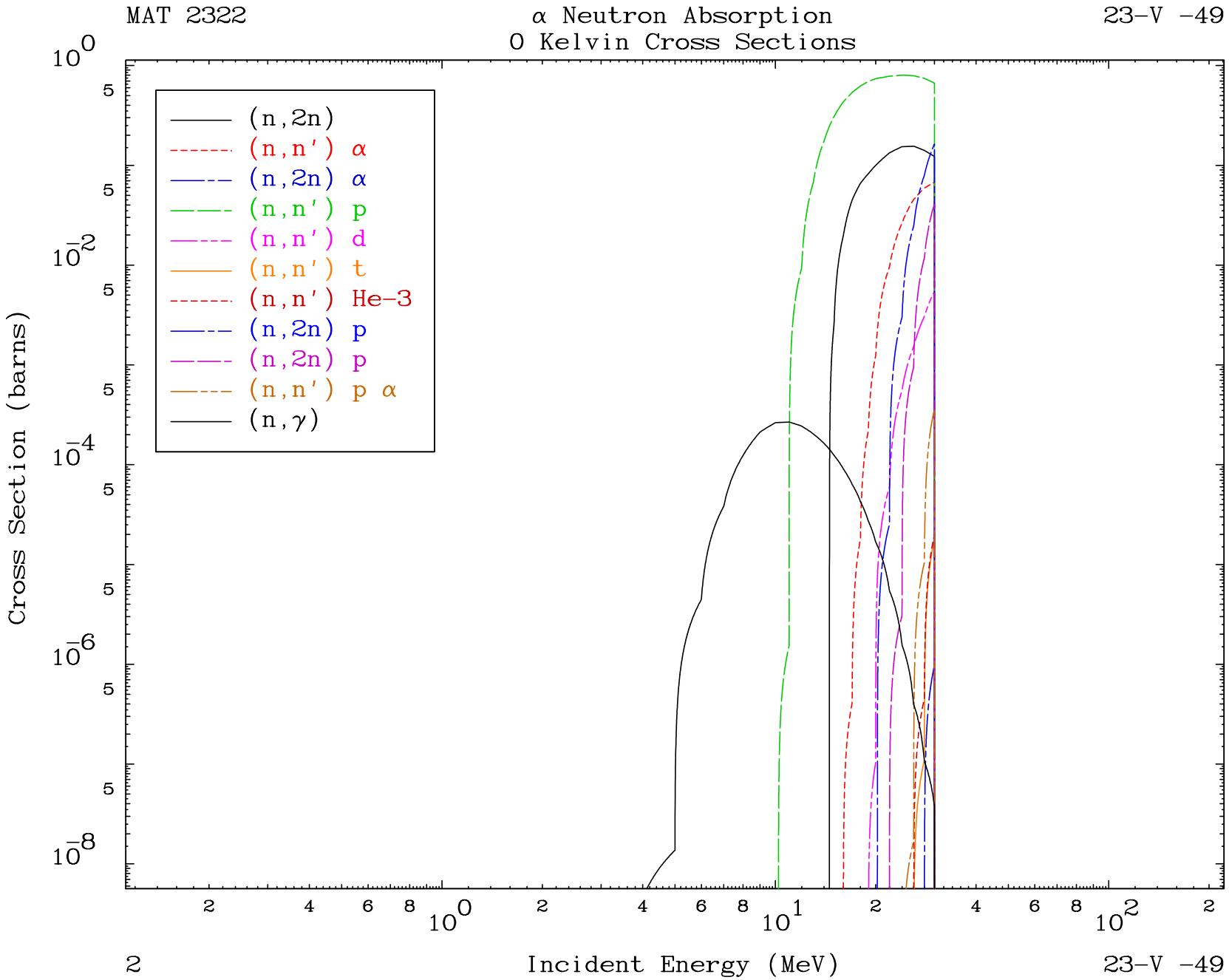
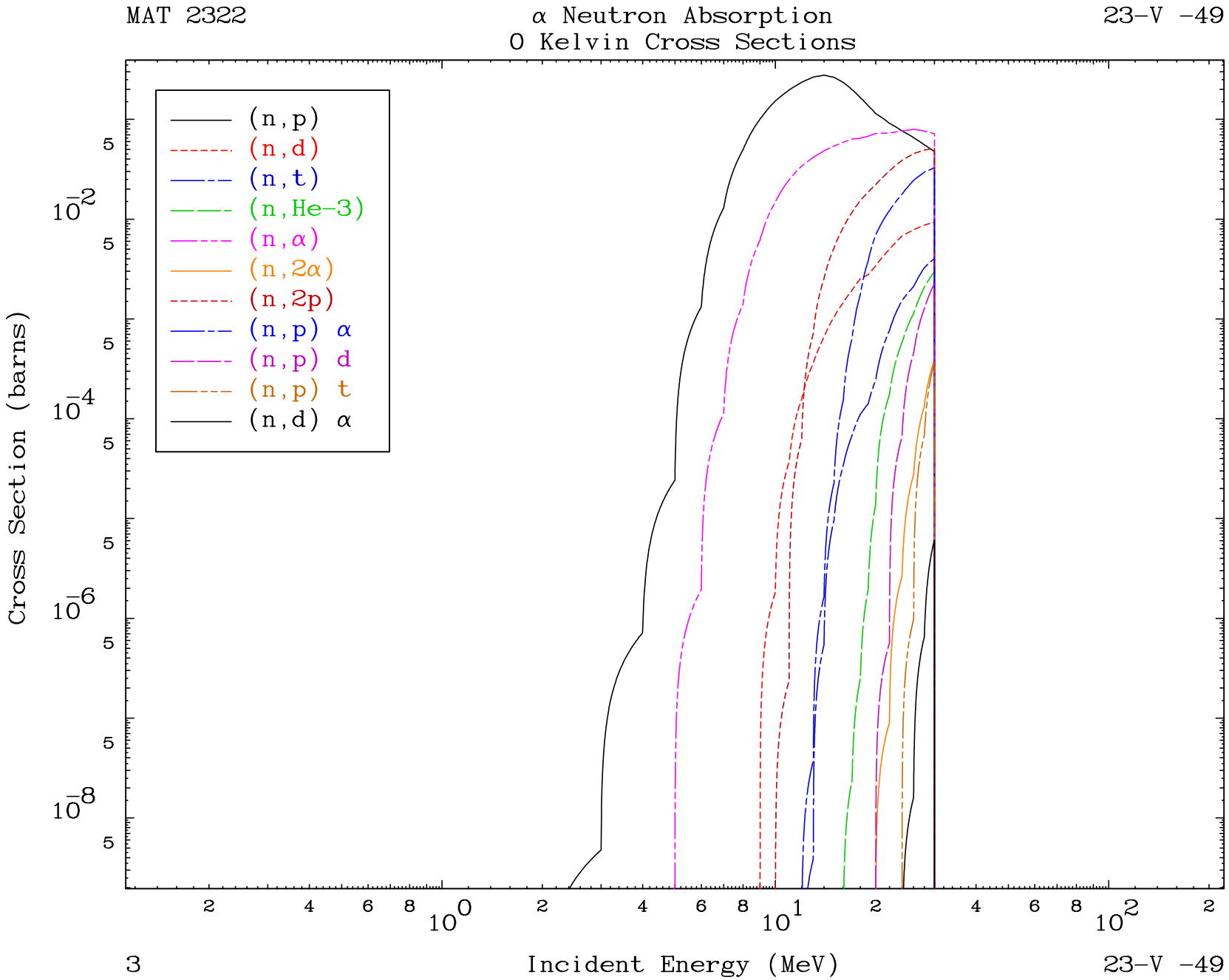
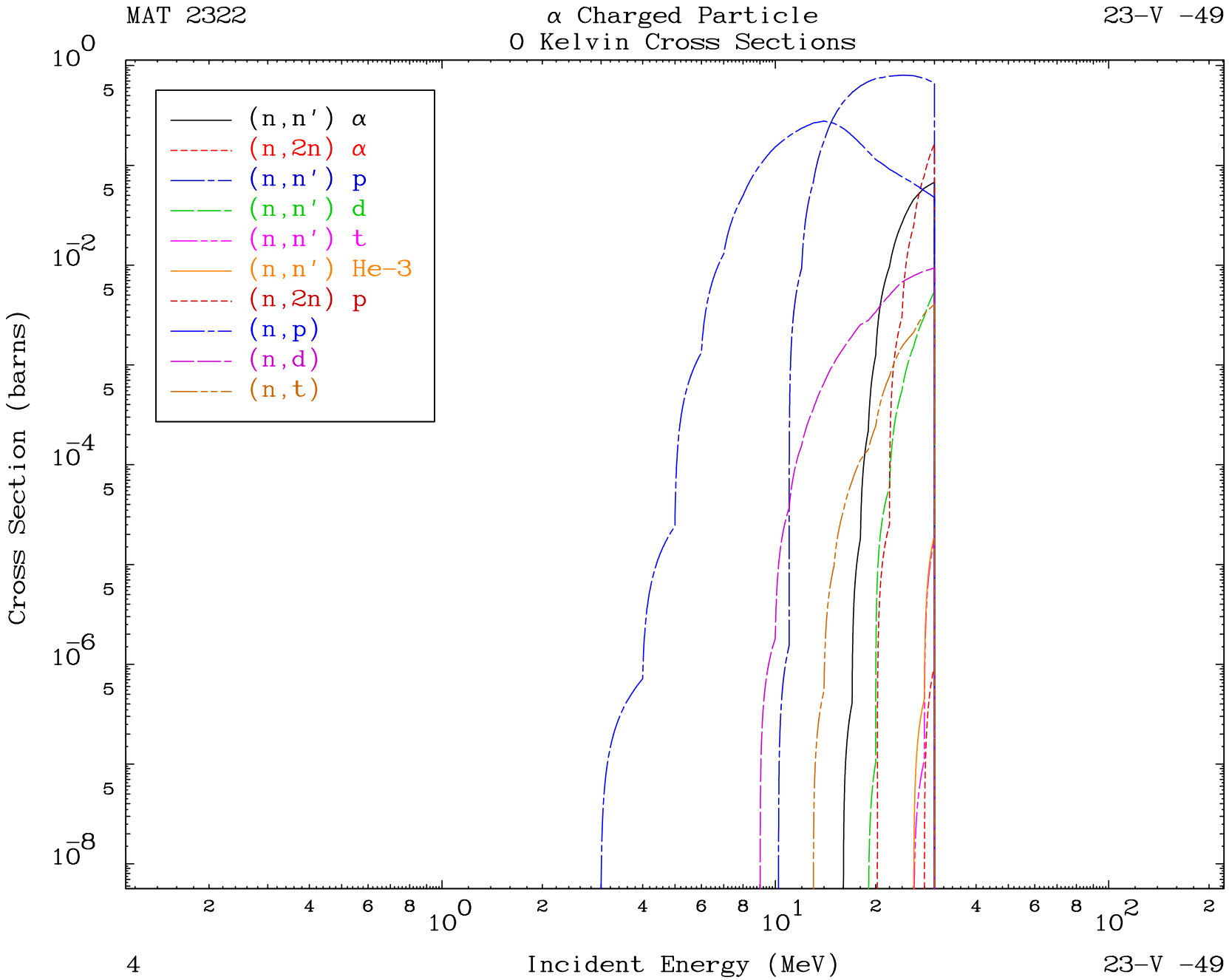
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

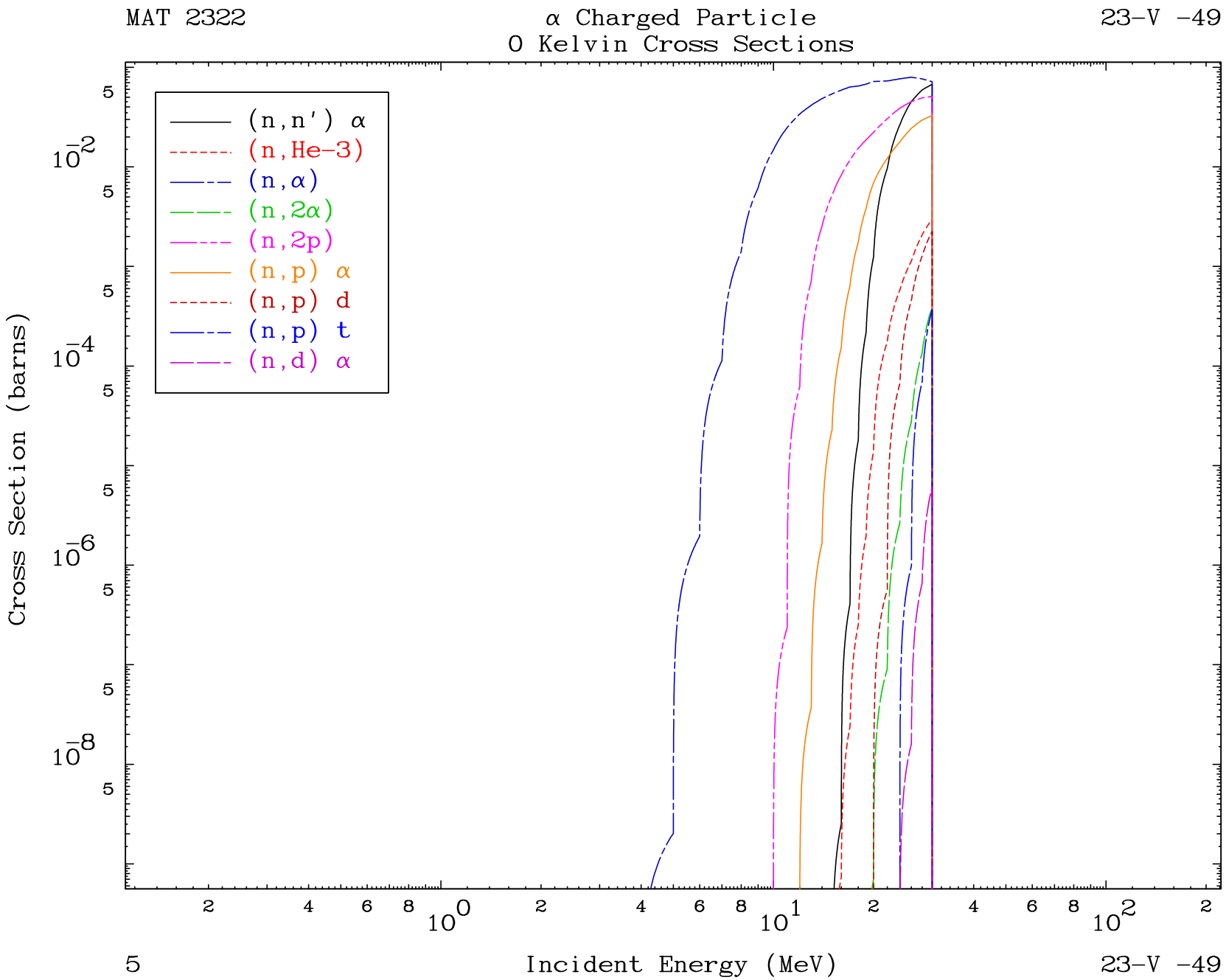
Press Mouse Button to Start


MAT 2322
α Major
23-V -49
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
23-V -49

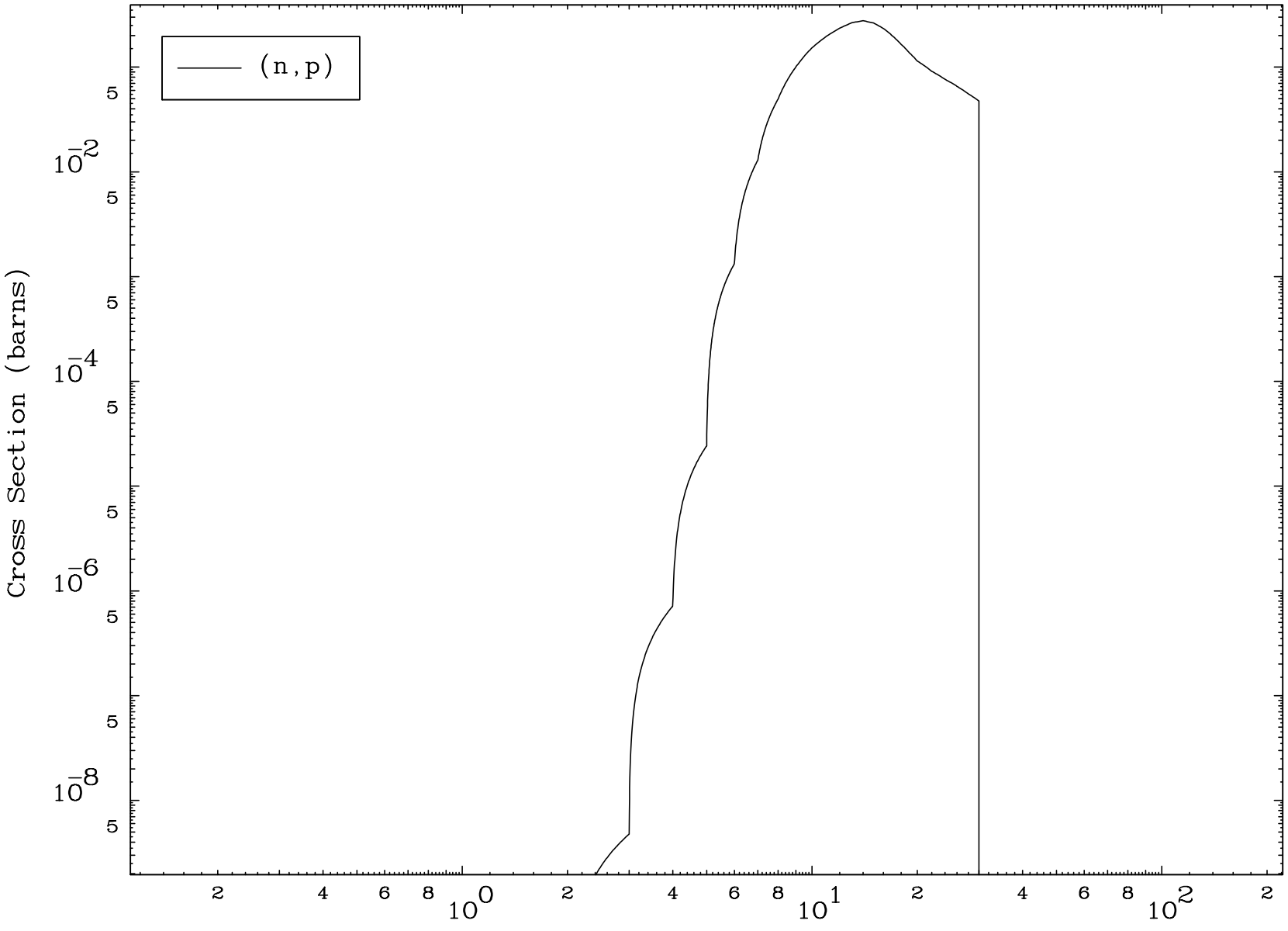

MAT 2322
α Neutron Absorption
0 Kelvin Cross Sections
23-V -49
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
2
23-V -49

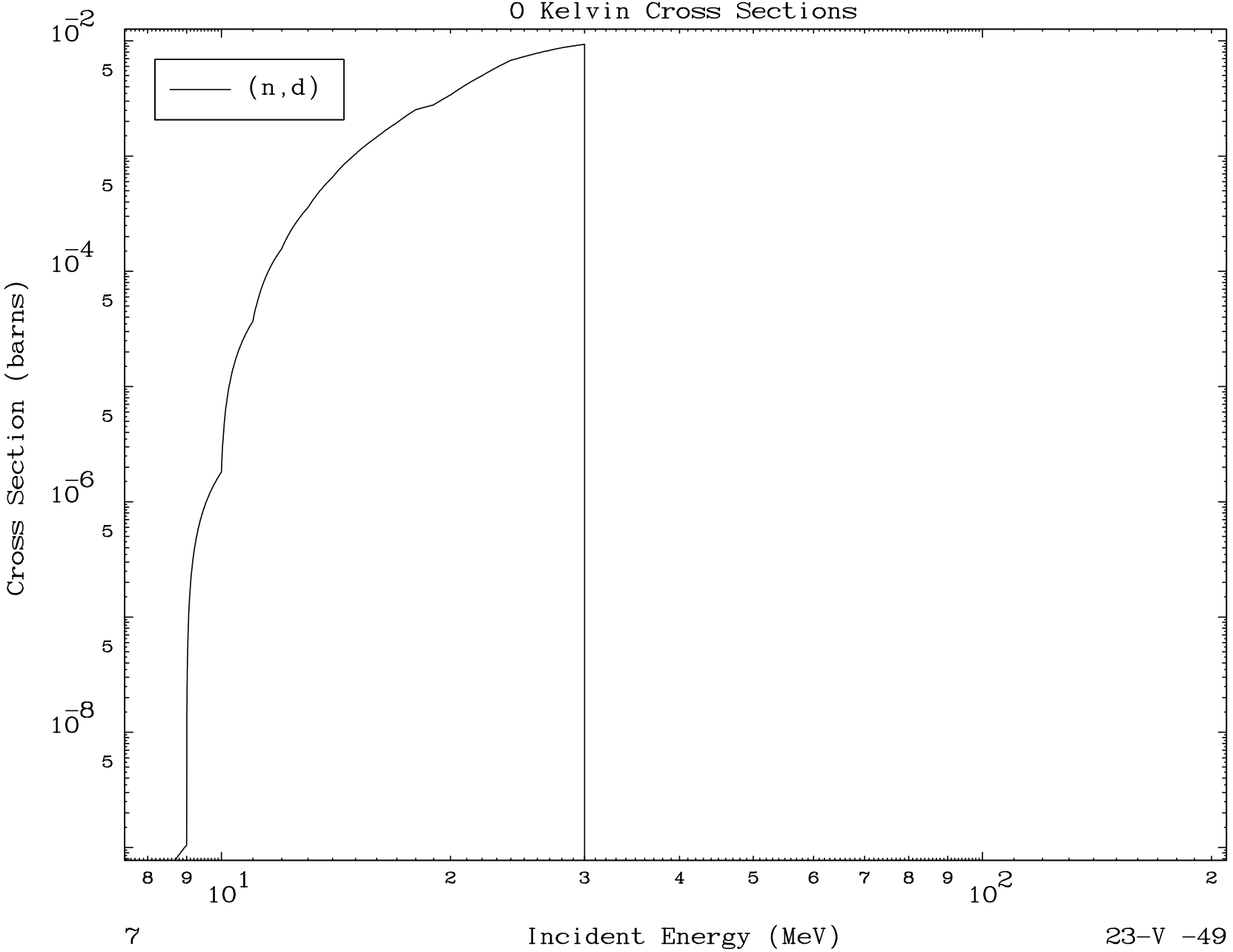

MAT 2322
α Neutron Absorption
0 Kelvin Cross Sections
23-V -49
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
23-V -49


MAT 2322
α Charged Particle
0 Kelvin Cross Sections
23-V -49
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
4
23-V -49

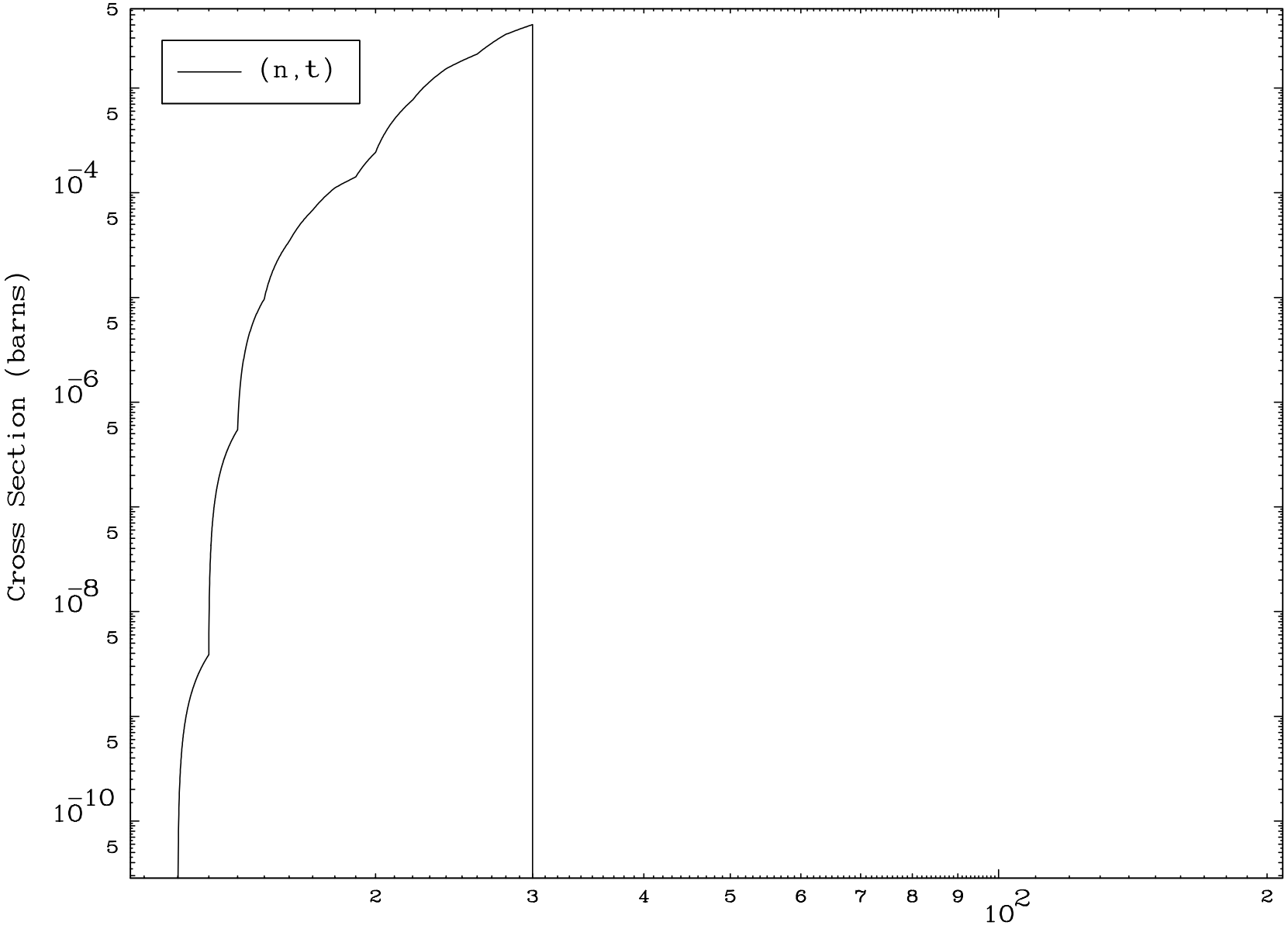

MAT 2322
α Charged Particle
0 Kelvin Cross Sections
23-V -49
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
5
23-V -49

0 Kelvin Cross Sections

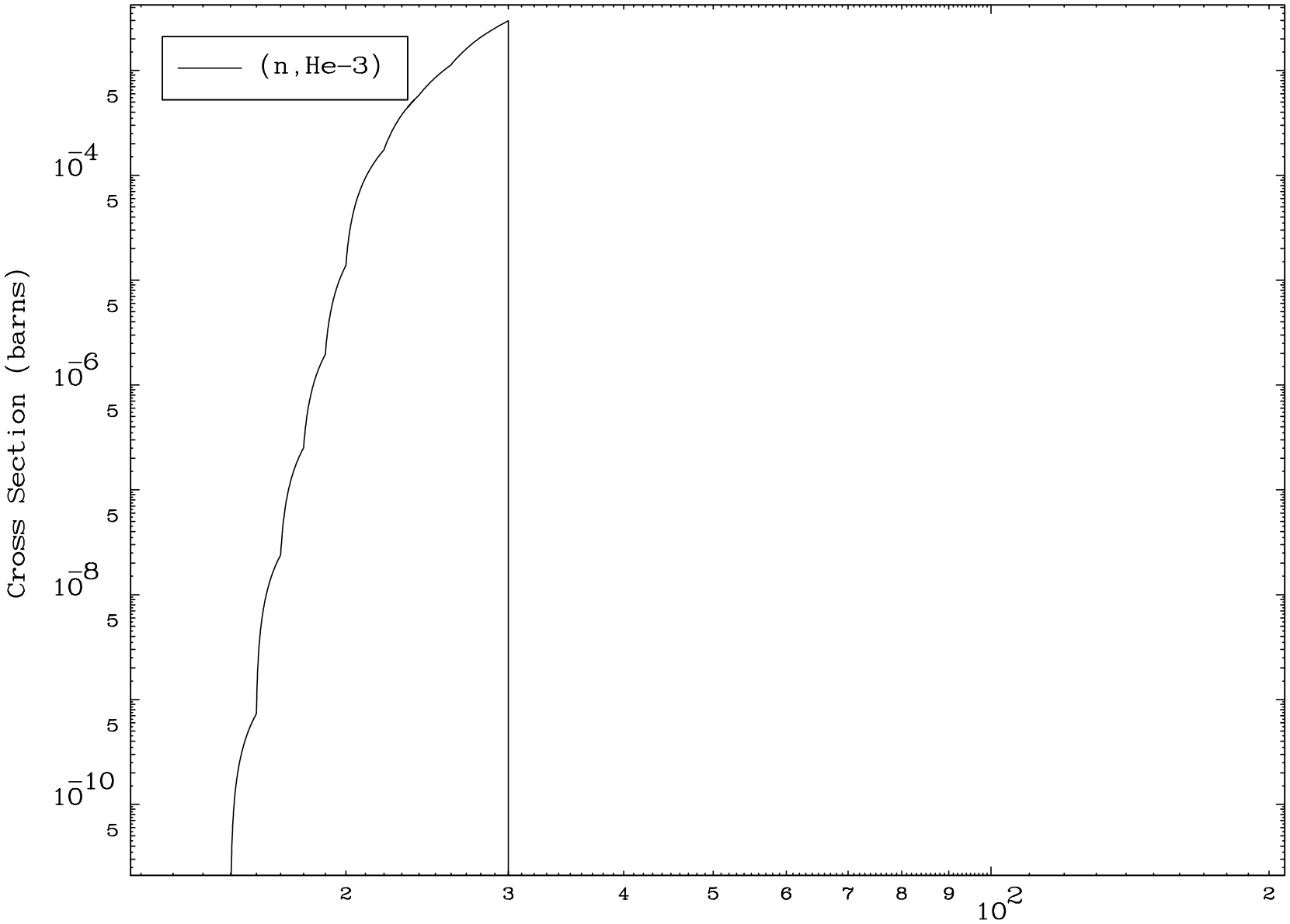


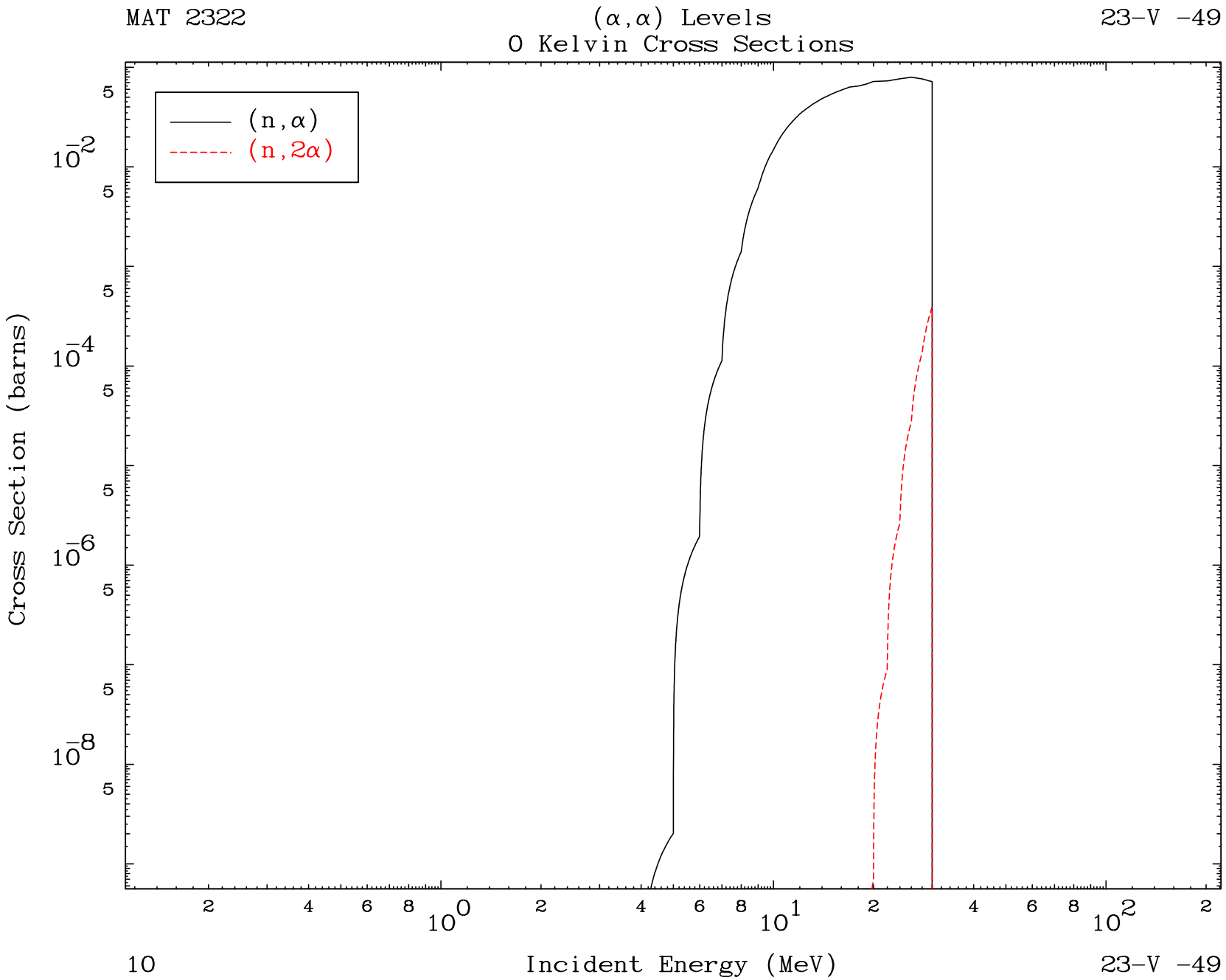

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)

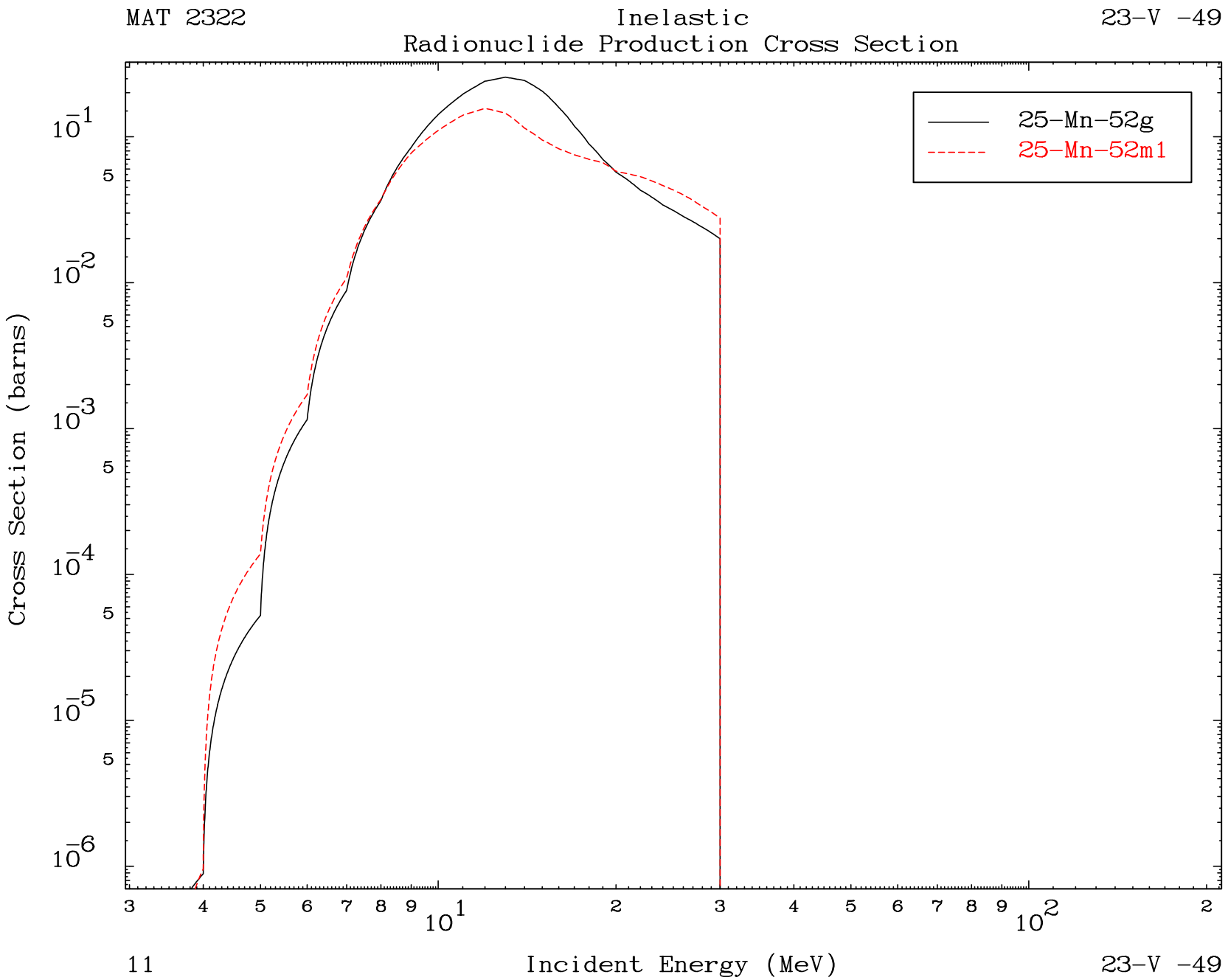
0 Kelvin Cross Sections

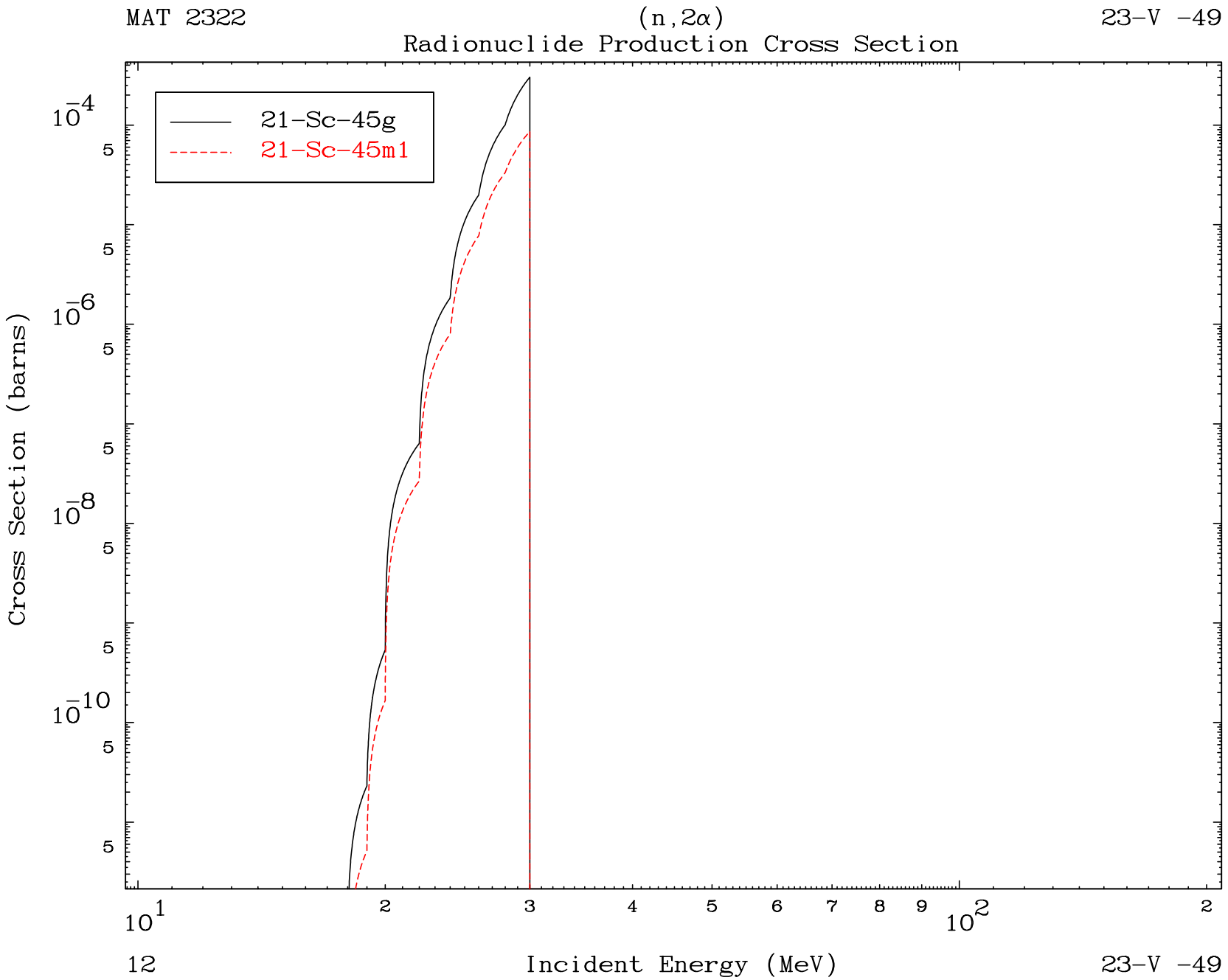


0 Kelvin Cross Sections




MAT 2322
(α,α) Levels
23-V -49
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
23-V -49


MAT 2322
Inelastic
23-V -49
Radionuclide Production Cross Section
25-Mn-52g
25-Mn-52m1
Cross Section (barns)
Incident Energy (MeV)
11
23-V -49


MAT 2322
(n,2α)
23-V -49
Radionuclide Production Cross Section
21-Sc-45g
21-Sc-45m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
23-V -49