Program EVALPLOT
(Version 2017-1)
by
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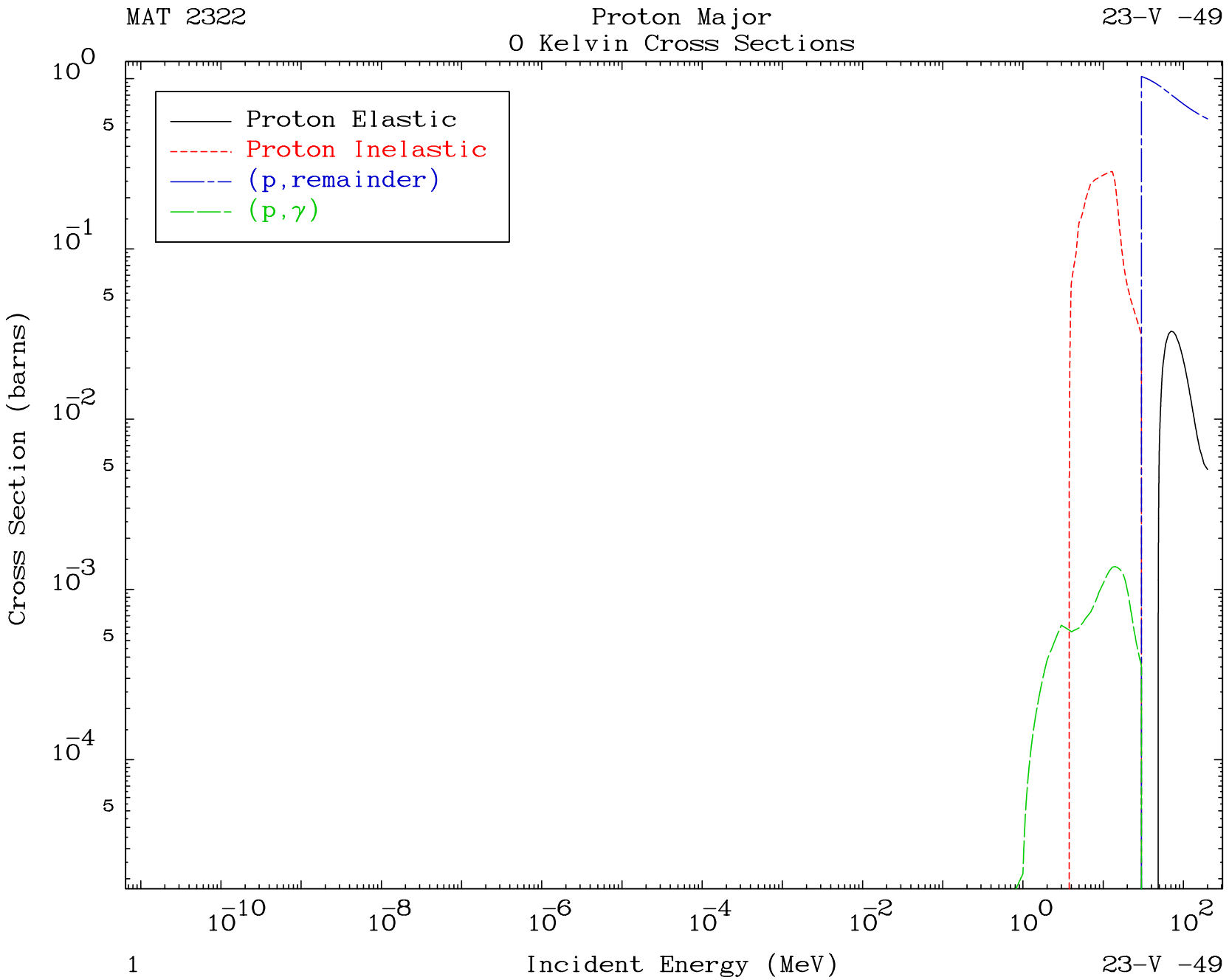
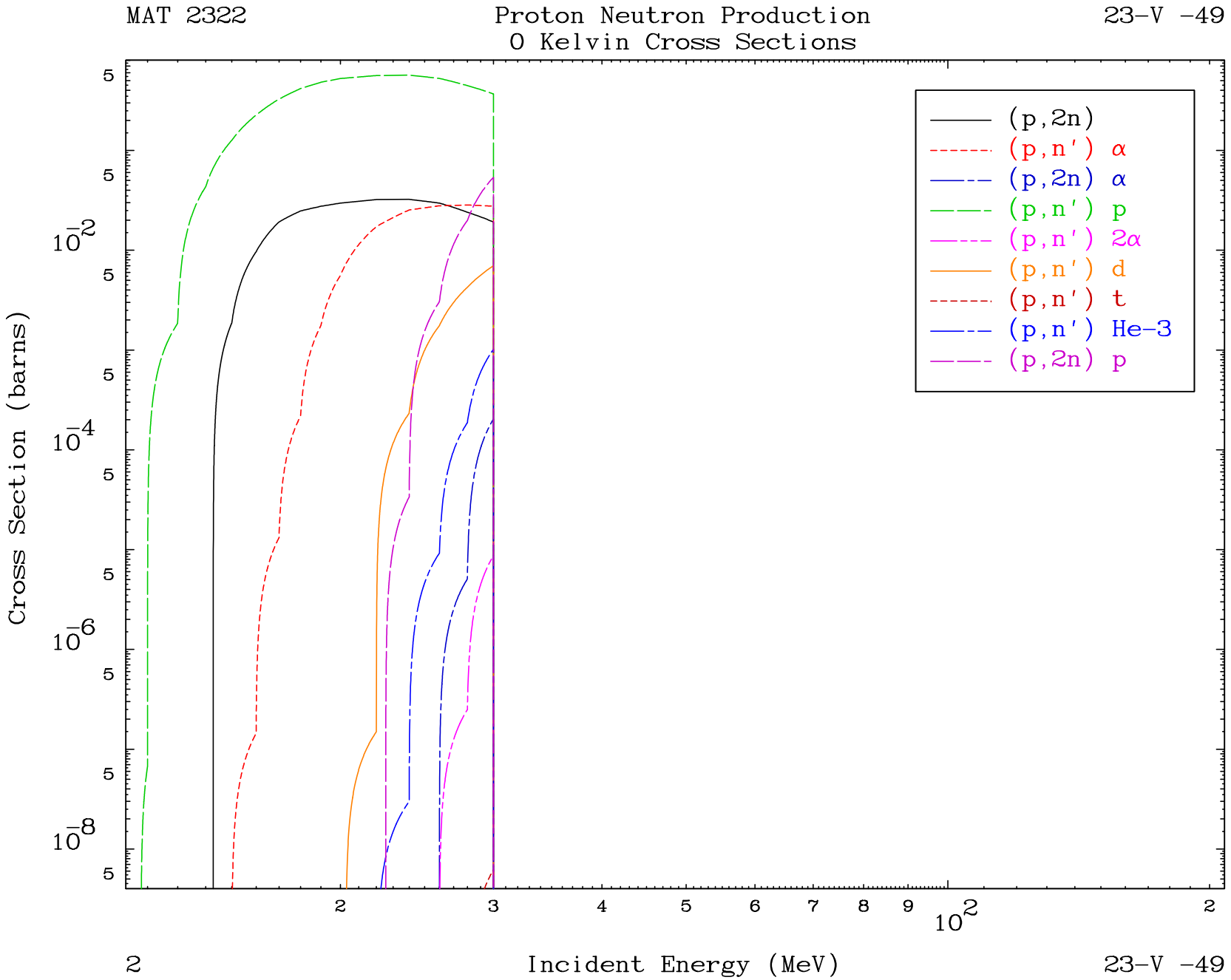
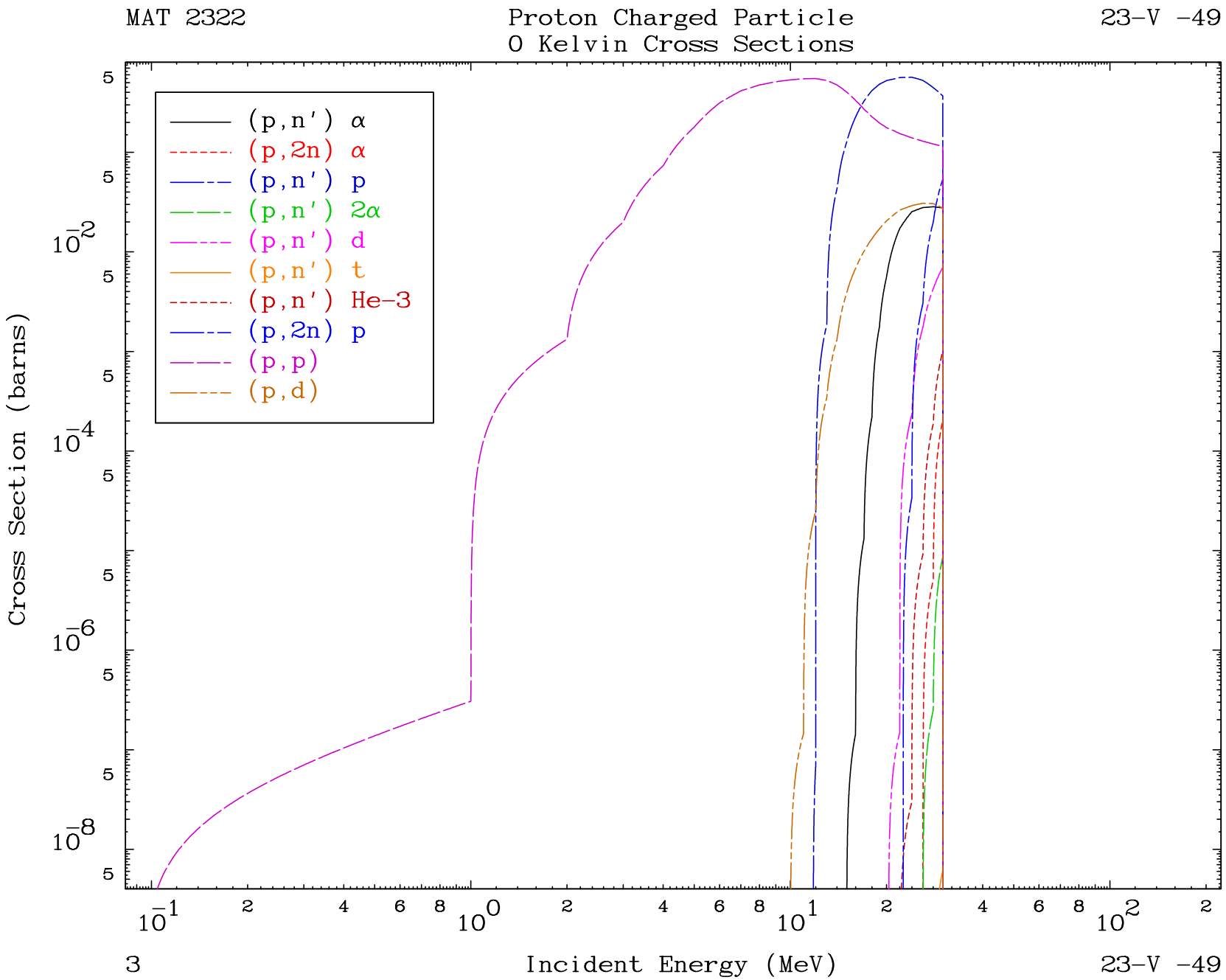
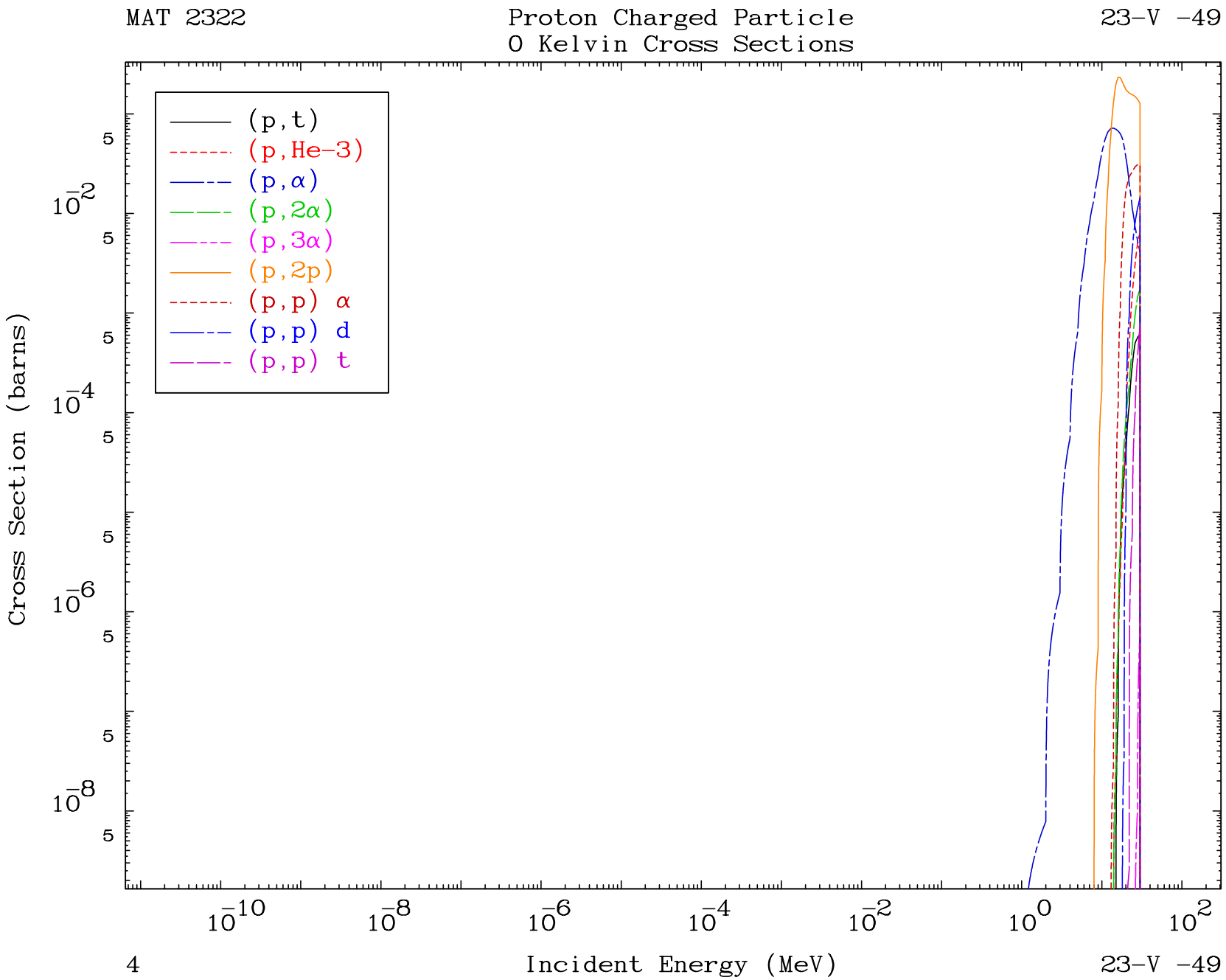
Press Mouse Button to Start

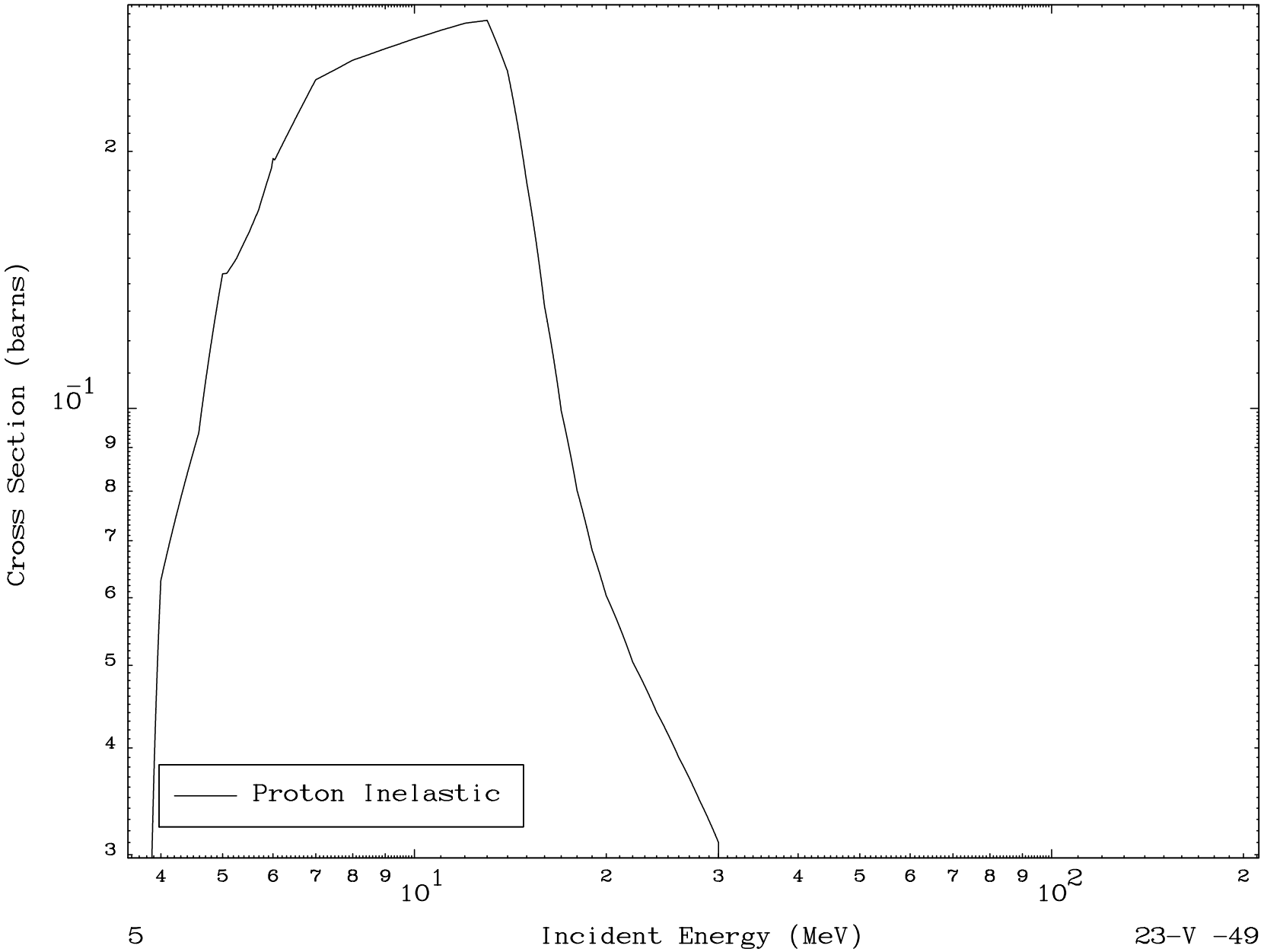

MAT 2322
Proton Major
23-V -49
0 Kelvin Cross Sections
Proton Elastic
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
1
23-V -49

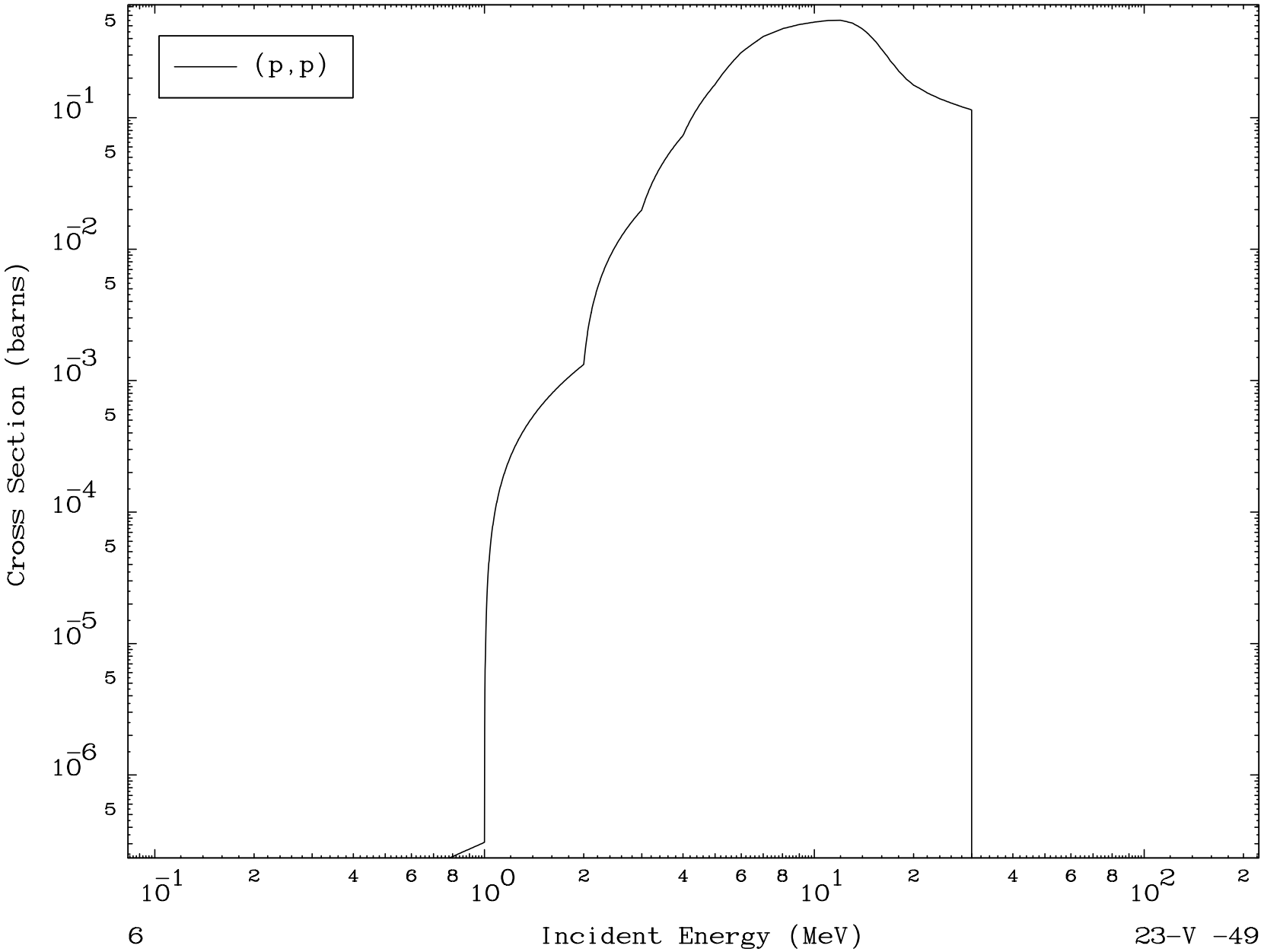

MAT 2322
Proton Neutron Production
0 Kelvin Cross Sections
23-V -49
Cross Section (barns)
Incident Energy (MeV)
(p,2n)
(p,n') α
(p,2n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
23-V -49

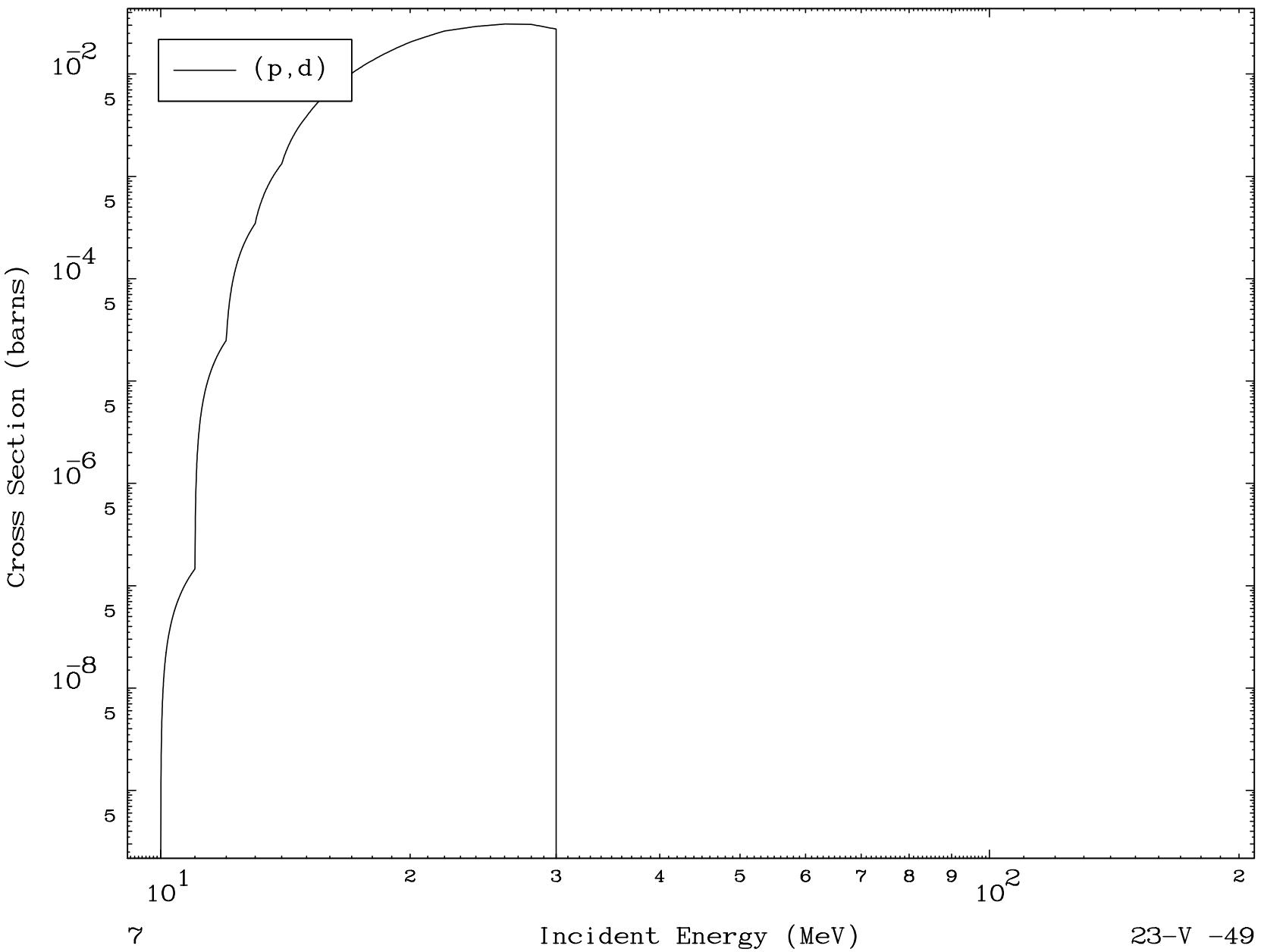

MAT 2322
Proton Charged Particle
0 Kelvin Cross Sections
23-V -49
(p,n') α
(p,2n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,p)
(p,d)
Cross Section (barns)
Incident Energy (MeV)
3
23-V -49


MAT 2322
Proton Charged Particle
0 Kelvin Cross Sections
23-V -49
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,3α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
4
23-V -49

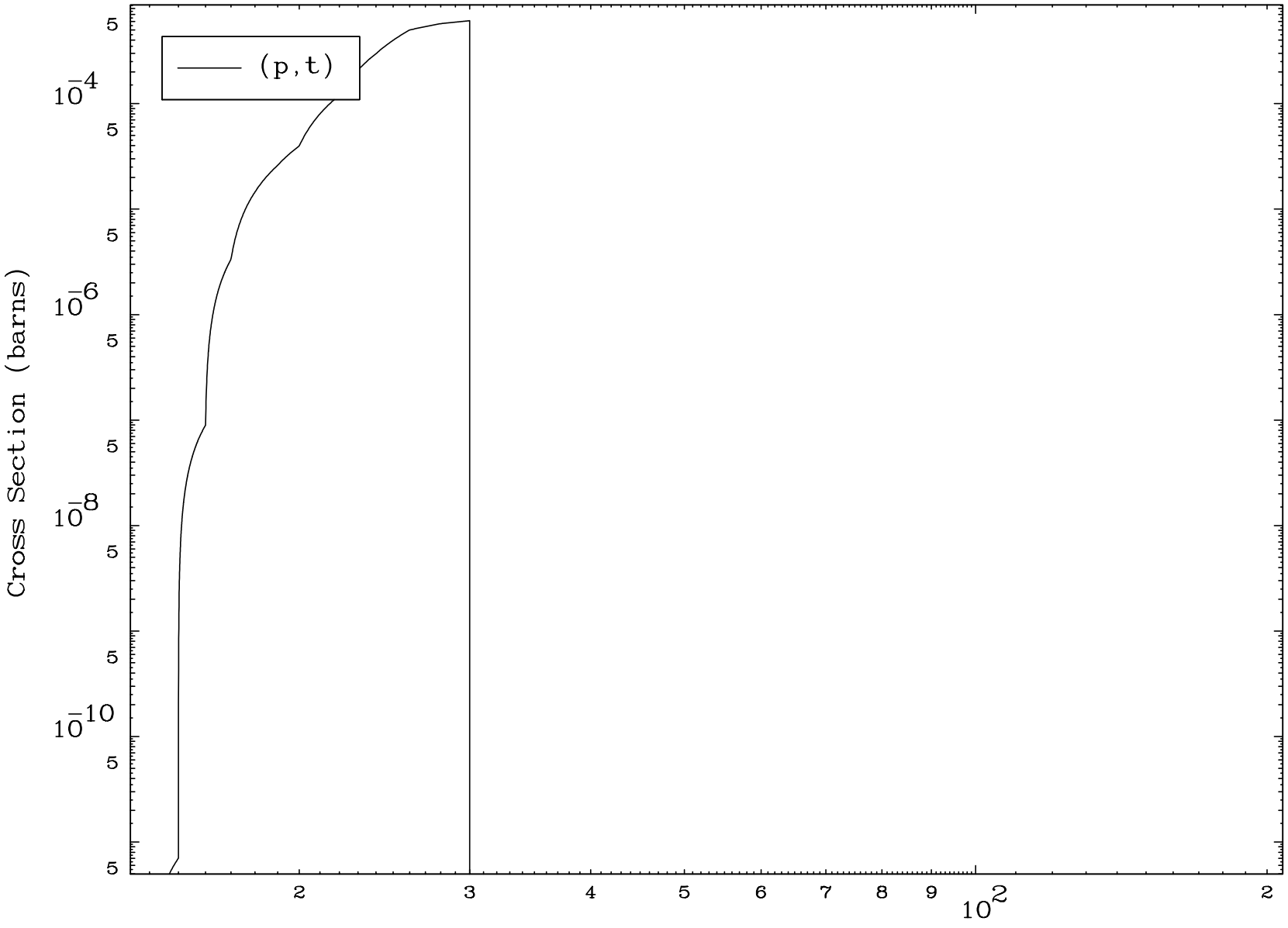
0 Kelvin Cross Sections



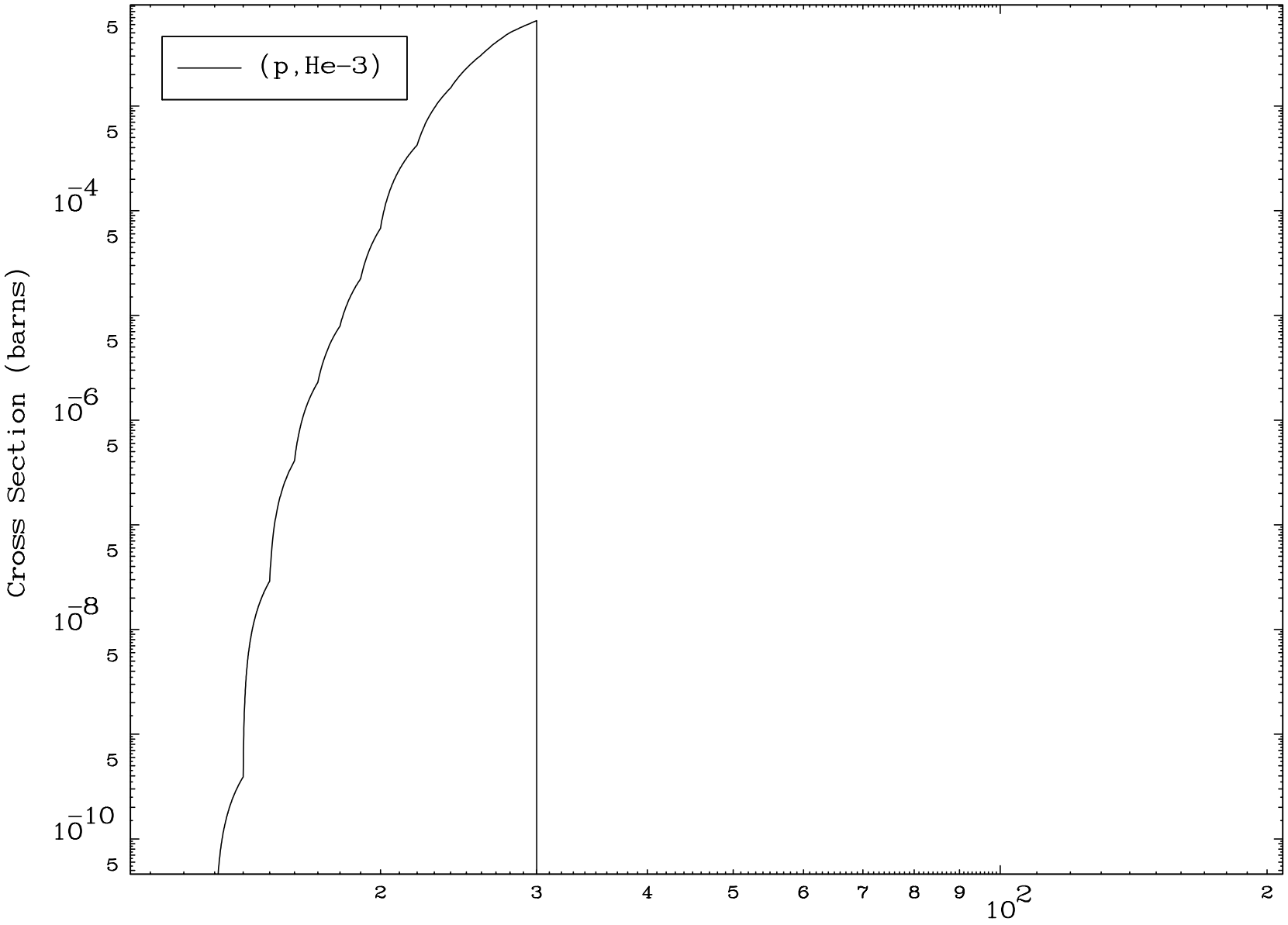

0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)

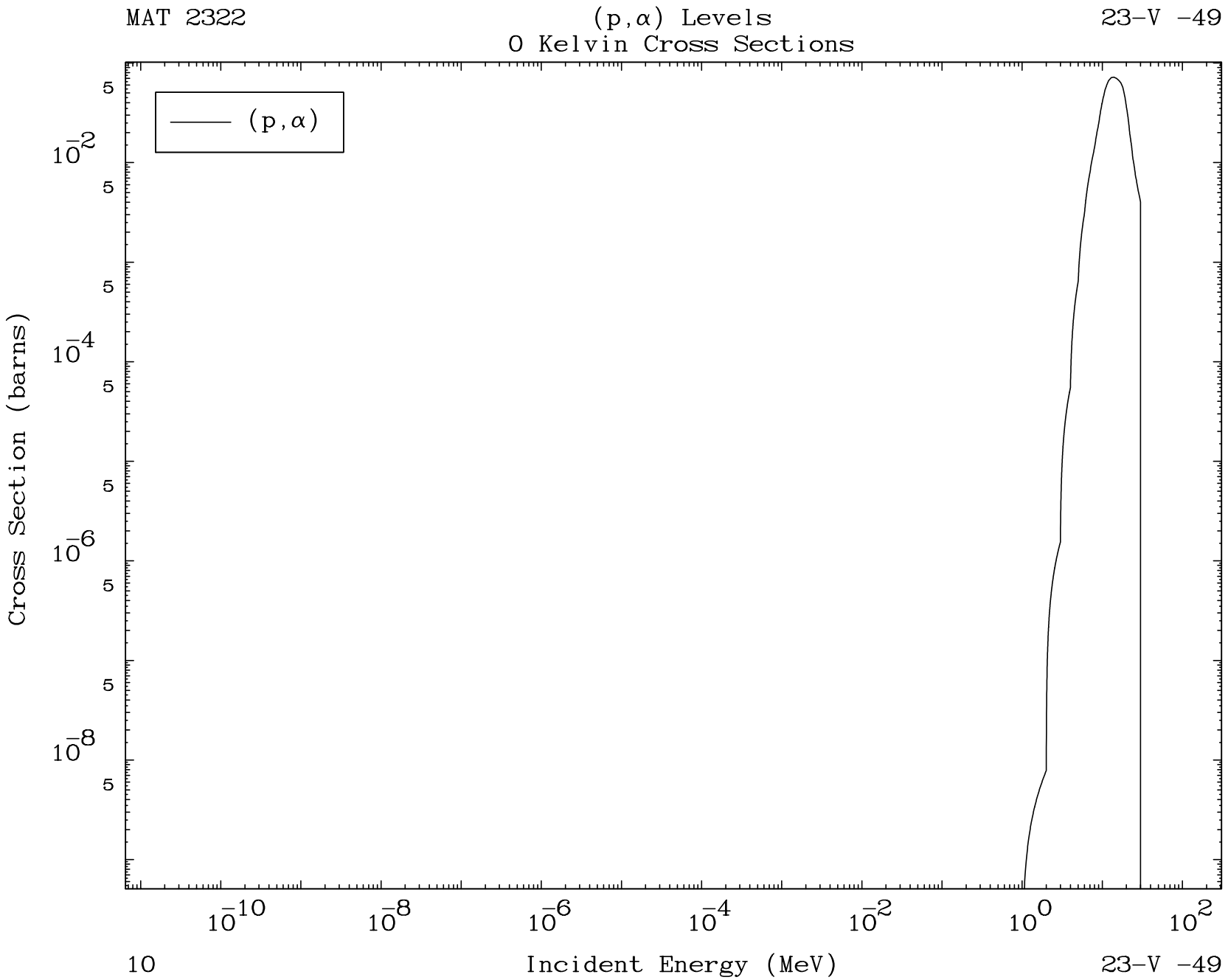

0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
5
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

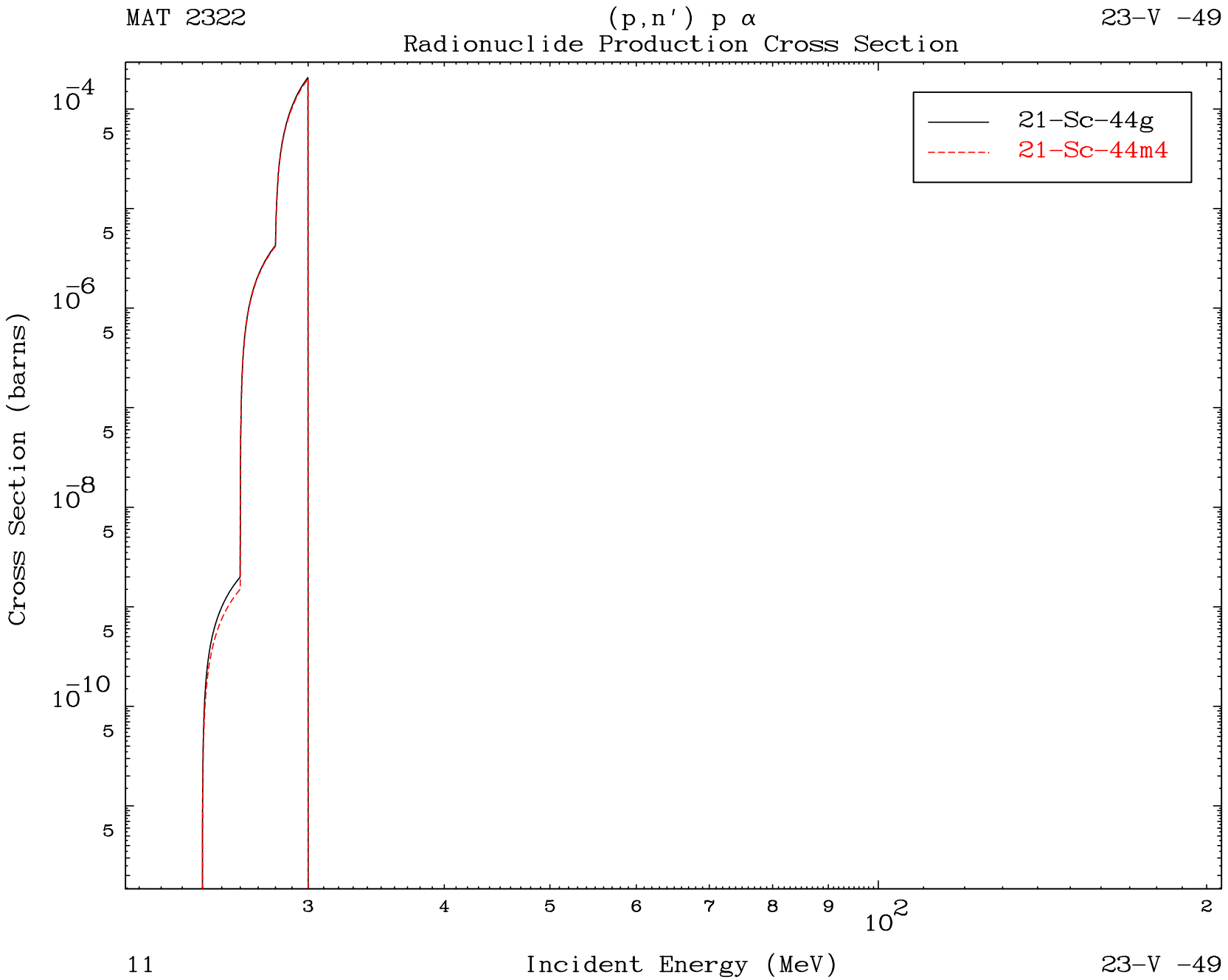
0 Kelvin Cross Sections

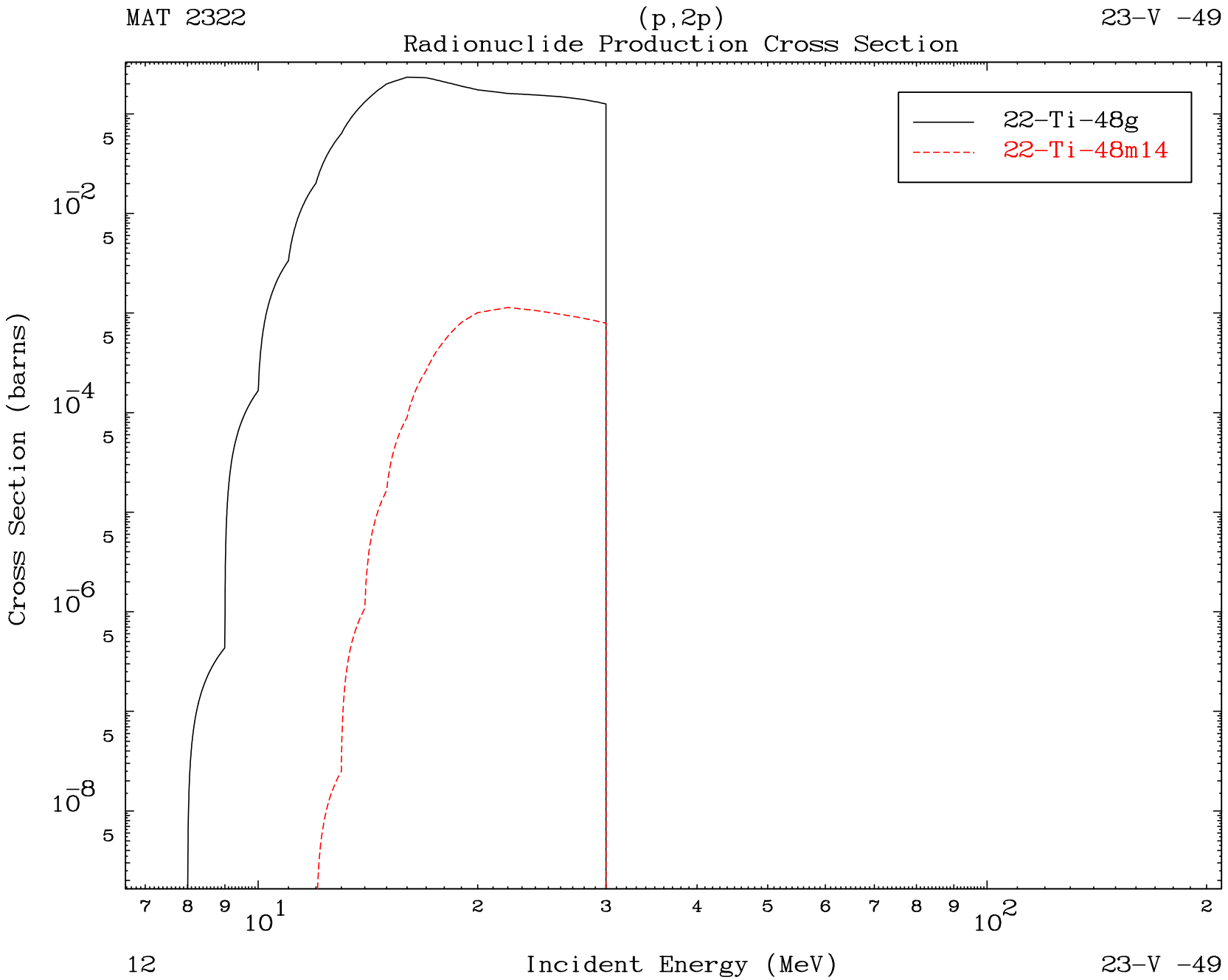


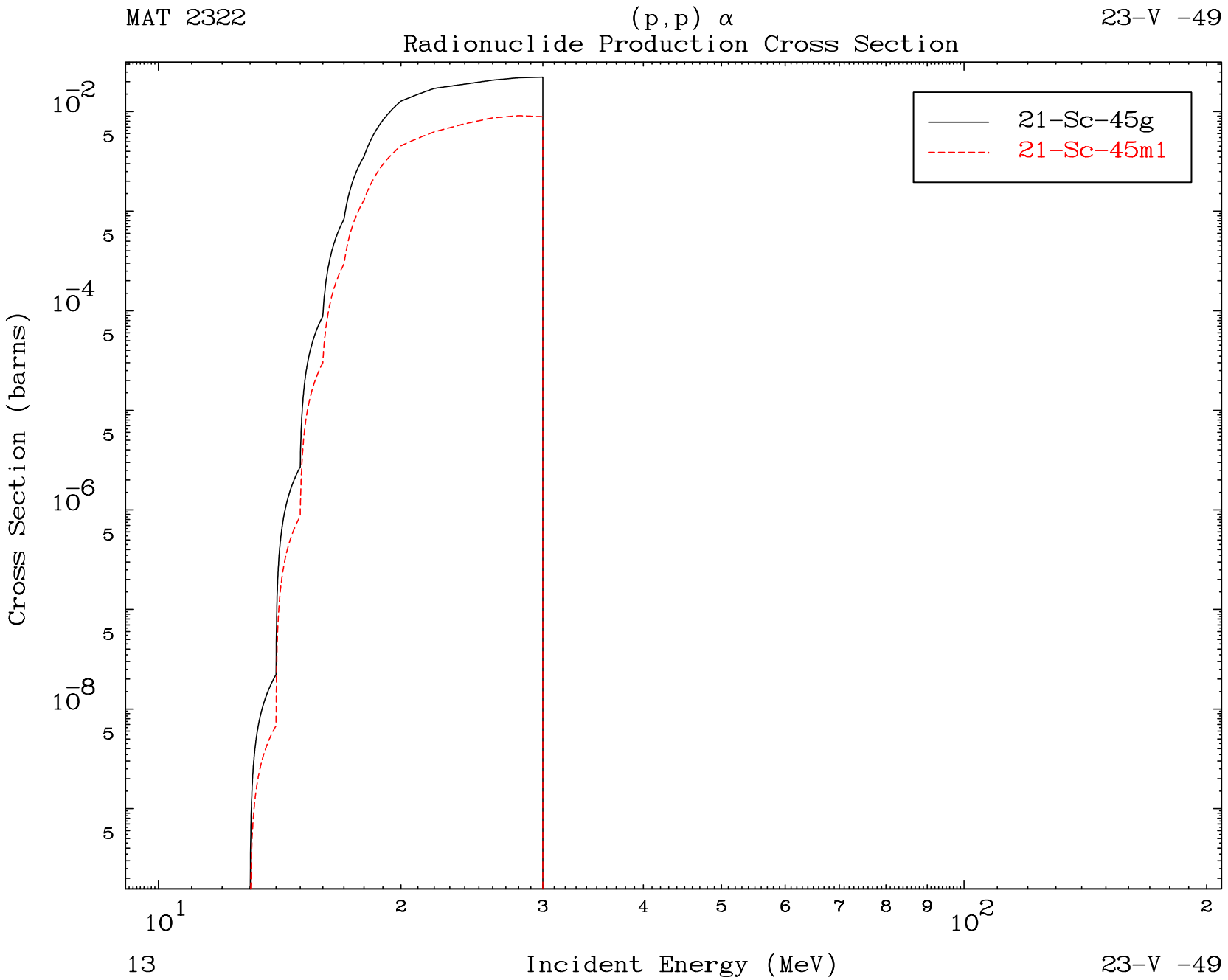
0 Kelvin Cross Sections

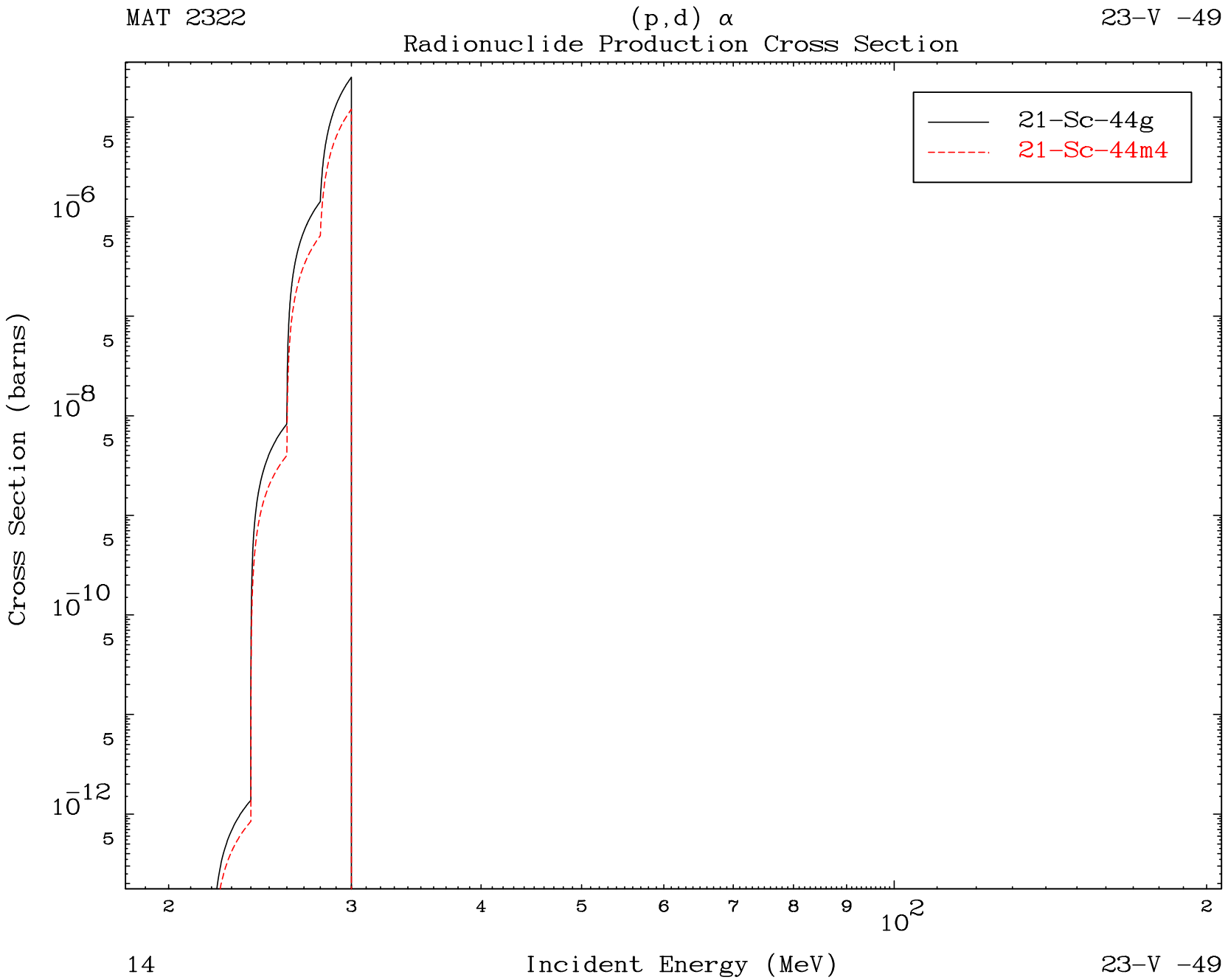



MAT 2322
(p,α) Levels
23-V -49
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
10
23-V -49


MAT 2322
(p,n') p α
23-V -49
Radionuclide Production Cross Section
21-Sc-44g
21-Sc-44m4
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
23-V -49


MAT 2322
(p,2p)
23-V -49
Radionuclide Production Cross Section
22-Ti-48g
22-Ti-48m14
Cross Section (barns)
Incident Energy (MeV)
12
23-V -49


MAT 2322
(p,p) α
23-V -49
Radionuclide Production Cross Section
21-Sc-45g
21-Sc-45m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
101
2
3
4
5
6
7
8
9
102
2
13
Incident Energy (MeV)
23-V -49


MAT 2322
(p,d) α
23-V -49
Radionuclide Production Cross Section
21-Sc-44g
21-Sc-44m4
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
23-V -49