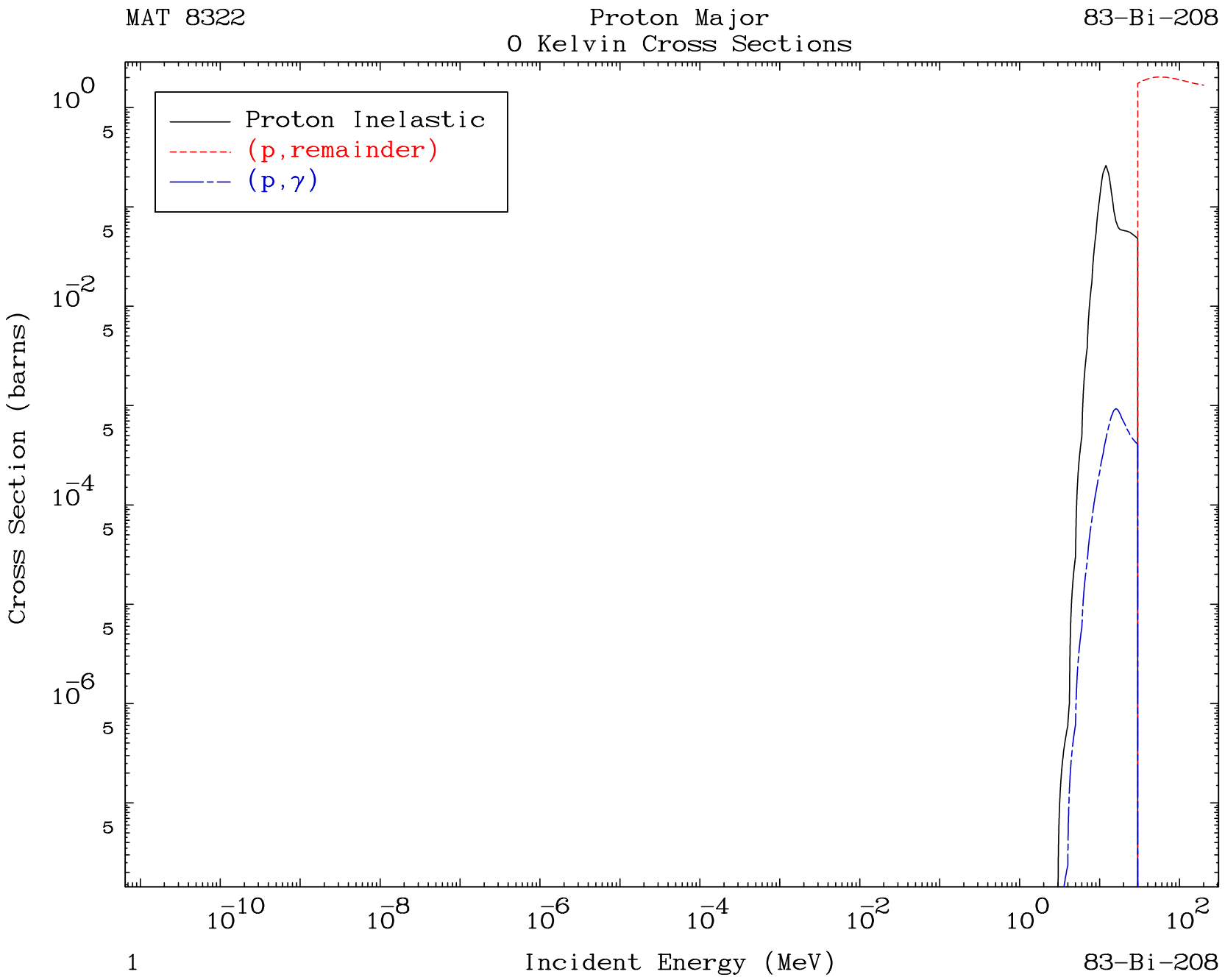
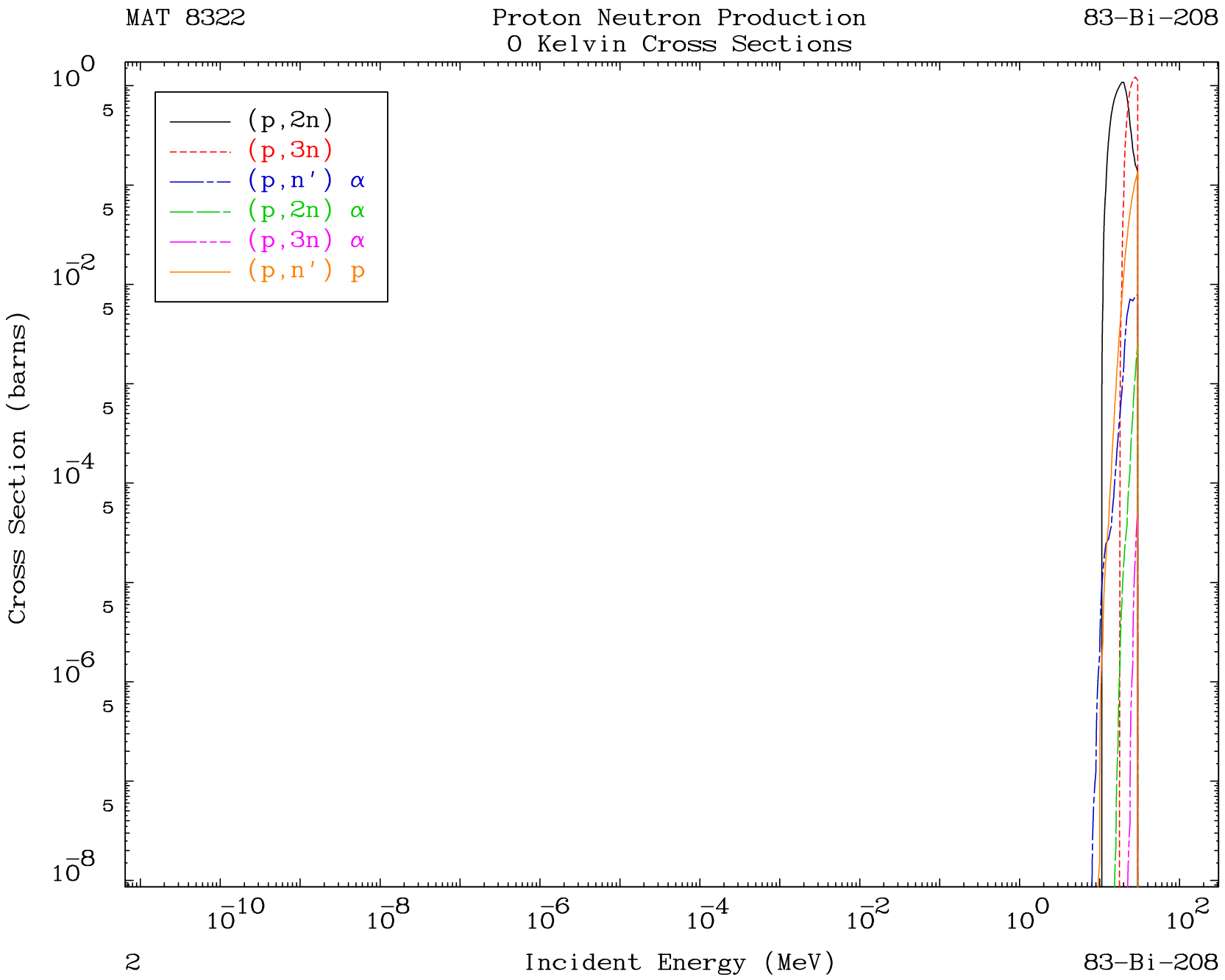
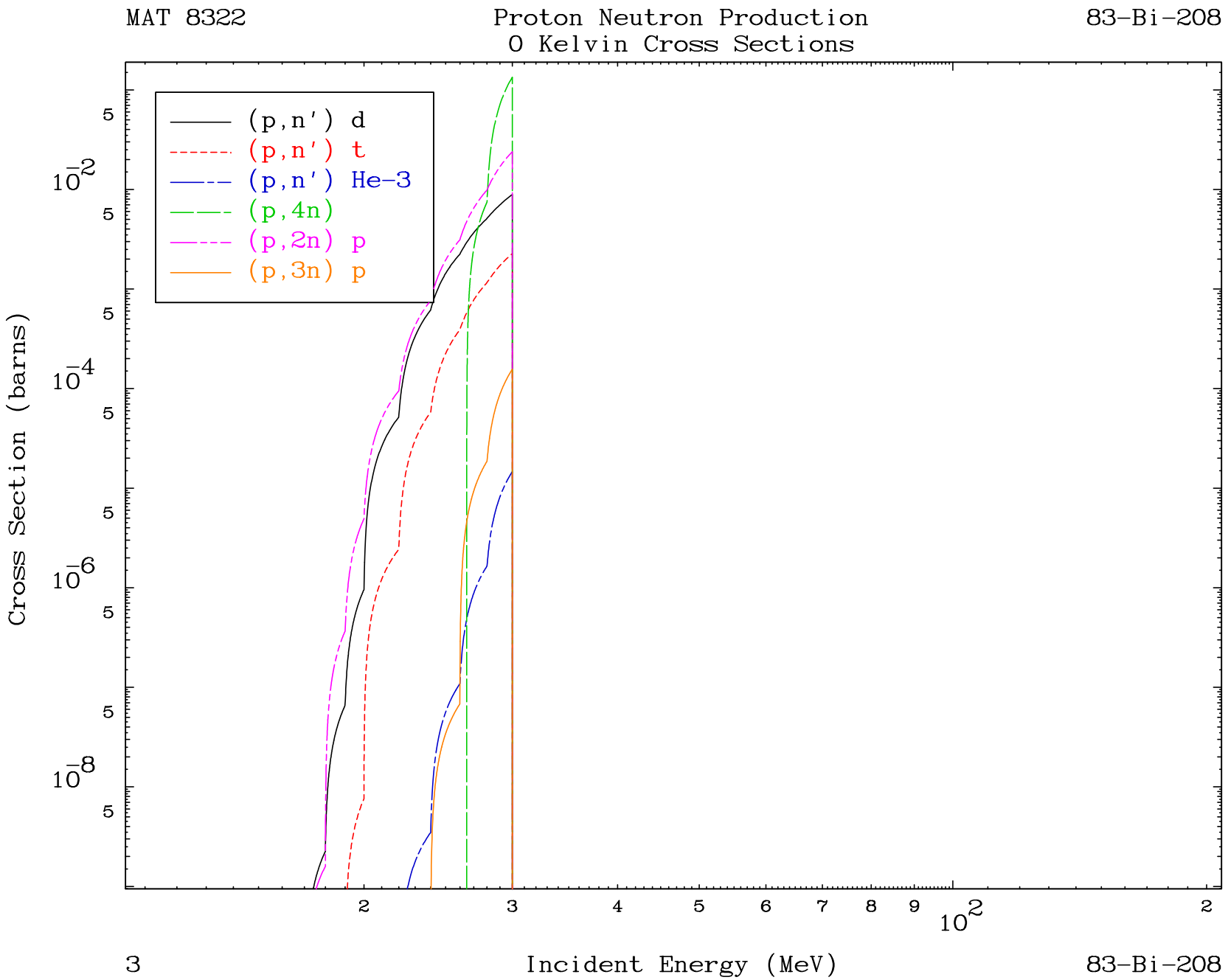
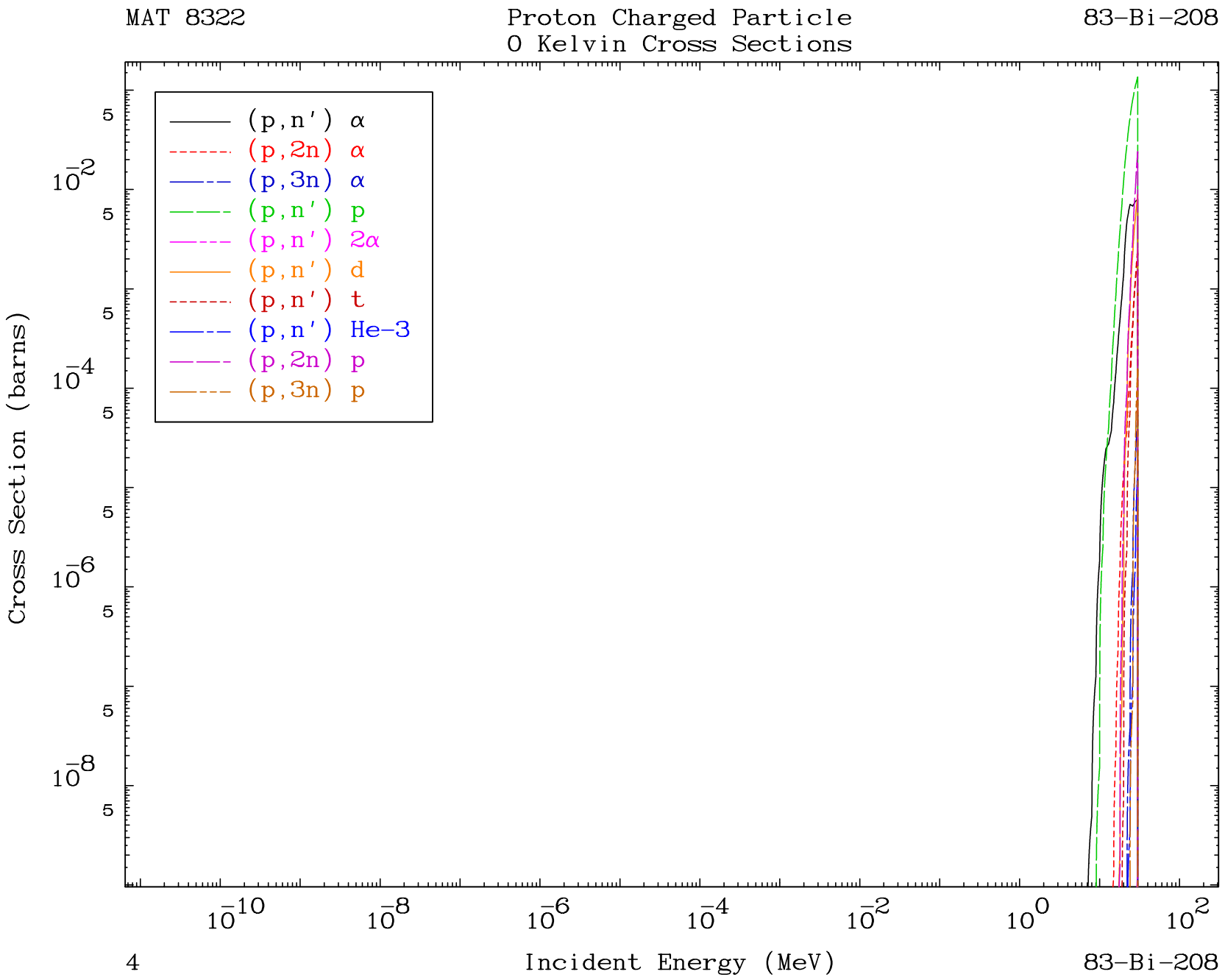
Program EVALPLOT
(Version 2017-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

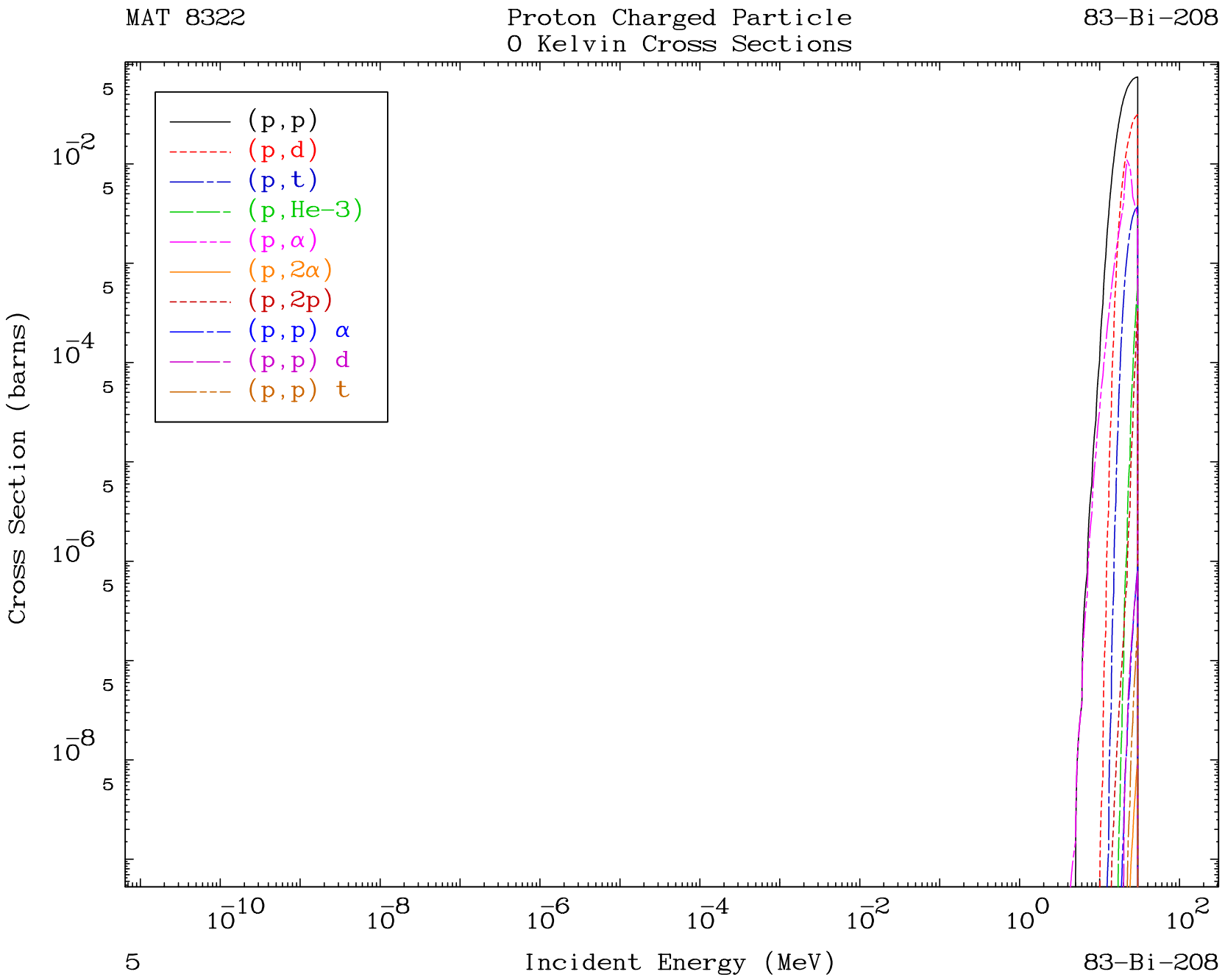
Press Mouse Button to Start

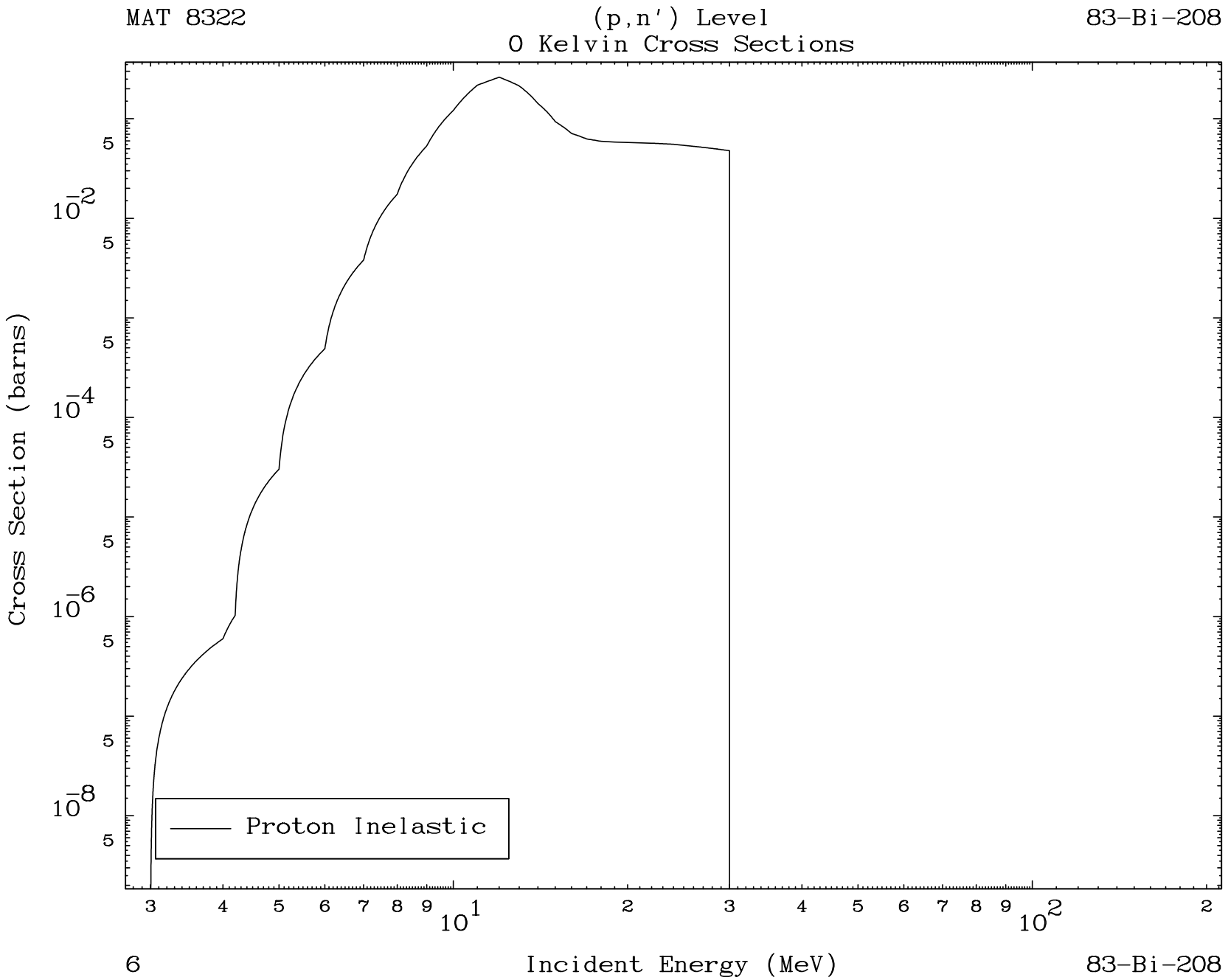

MAT 8322
Proton Major
83-Bi-208
0 Kelvin Cross Sections
Proton Inelastic
(p,remainder)
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
83-Bi-208
1

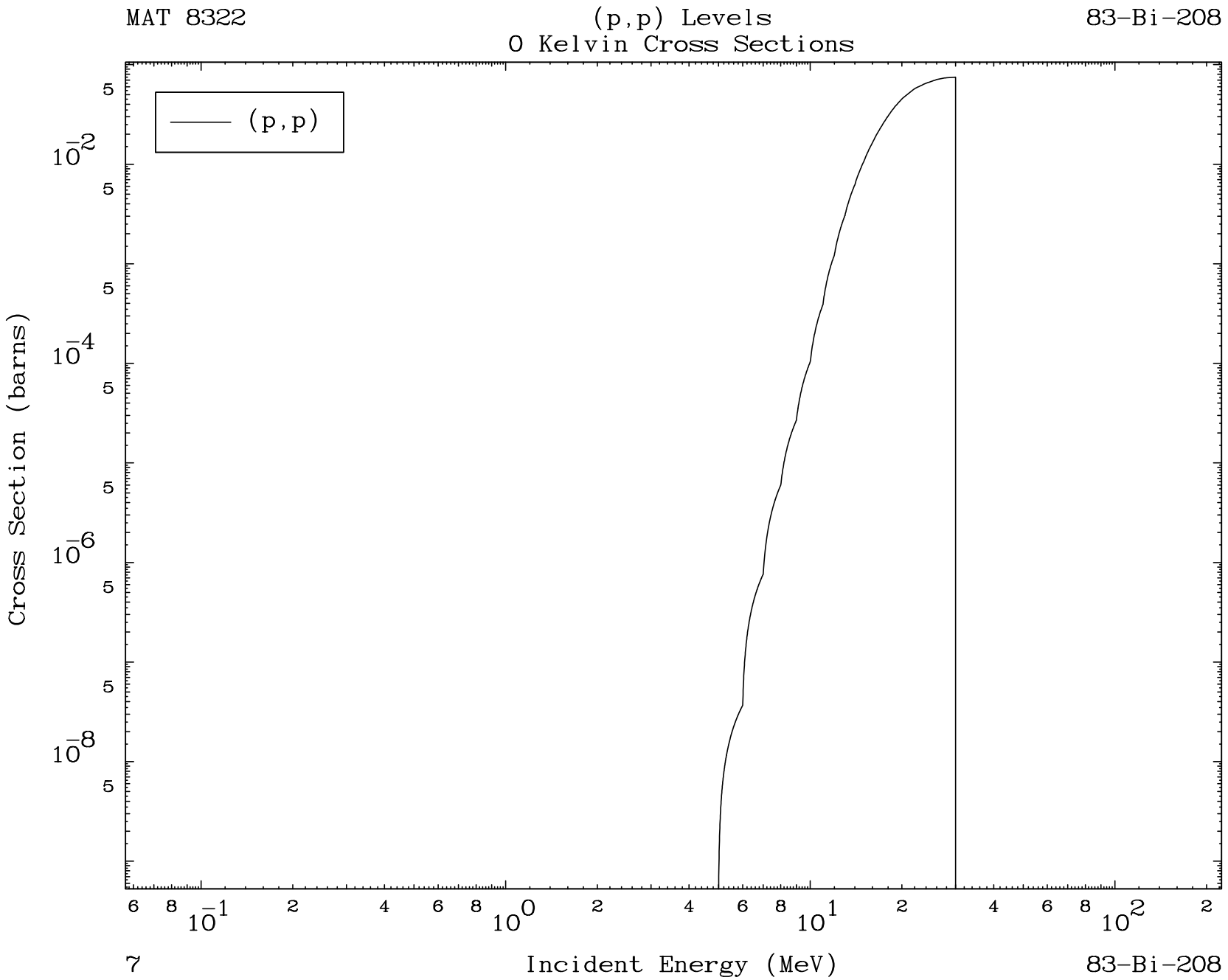

MAT 8322
Proton Neutron Production
0 Kelvin Cross Sections
83-Bi-208
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
Cross Section (barns)
Incident Energy (MeV)
2
83-Bi-208

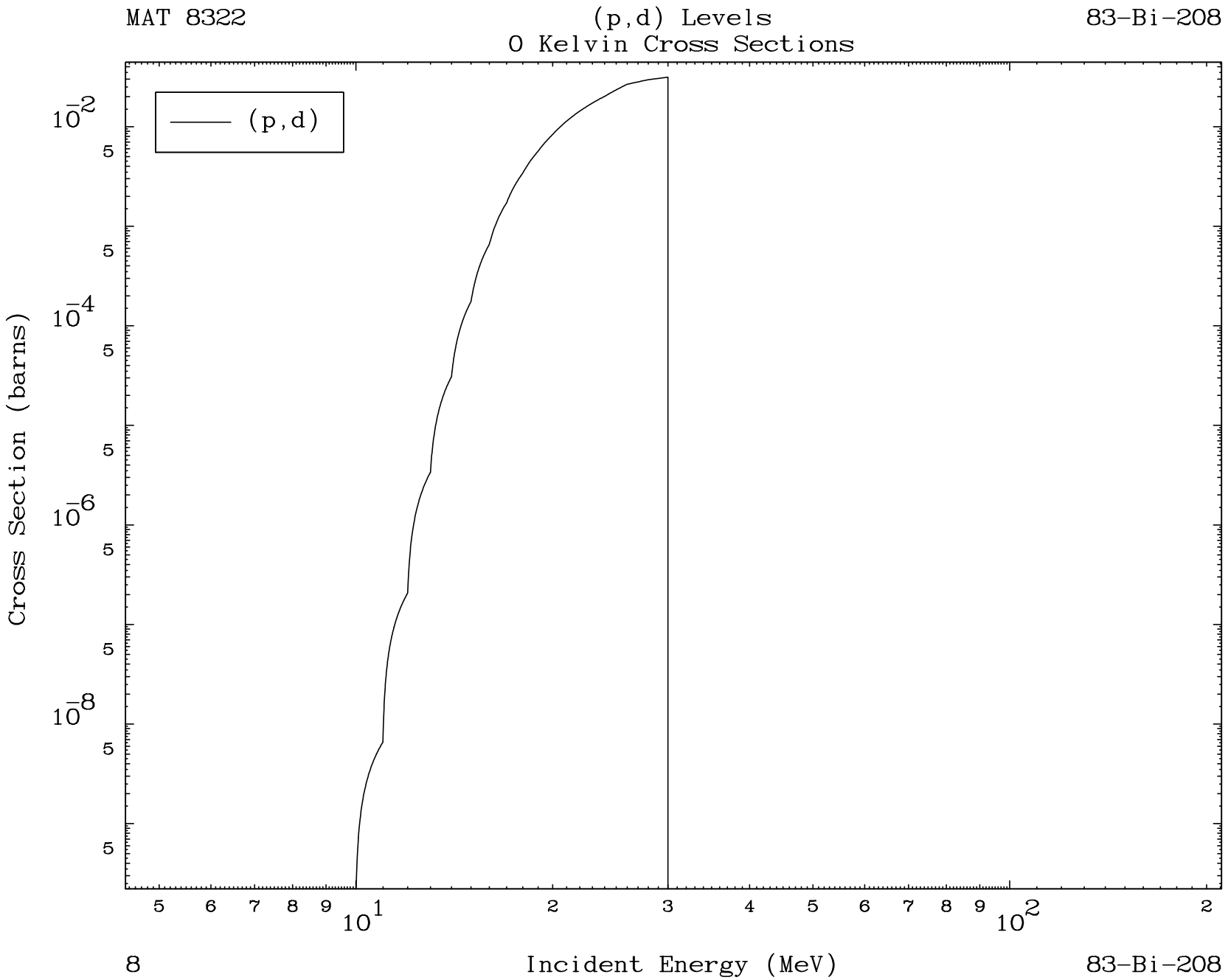

MAT 8322
Proton Neutron Production
0 Kelvin Cross Sections
83-Bi-208
(p,n') d
(p,n') t
(p,n') He-3
(p,4n)
(p,2n) p
(p,3n) p
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
3
83-Bi-208

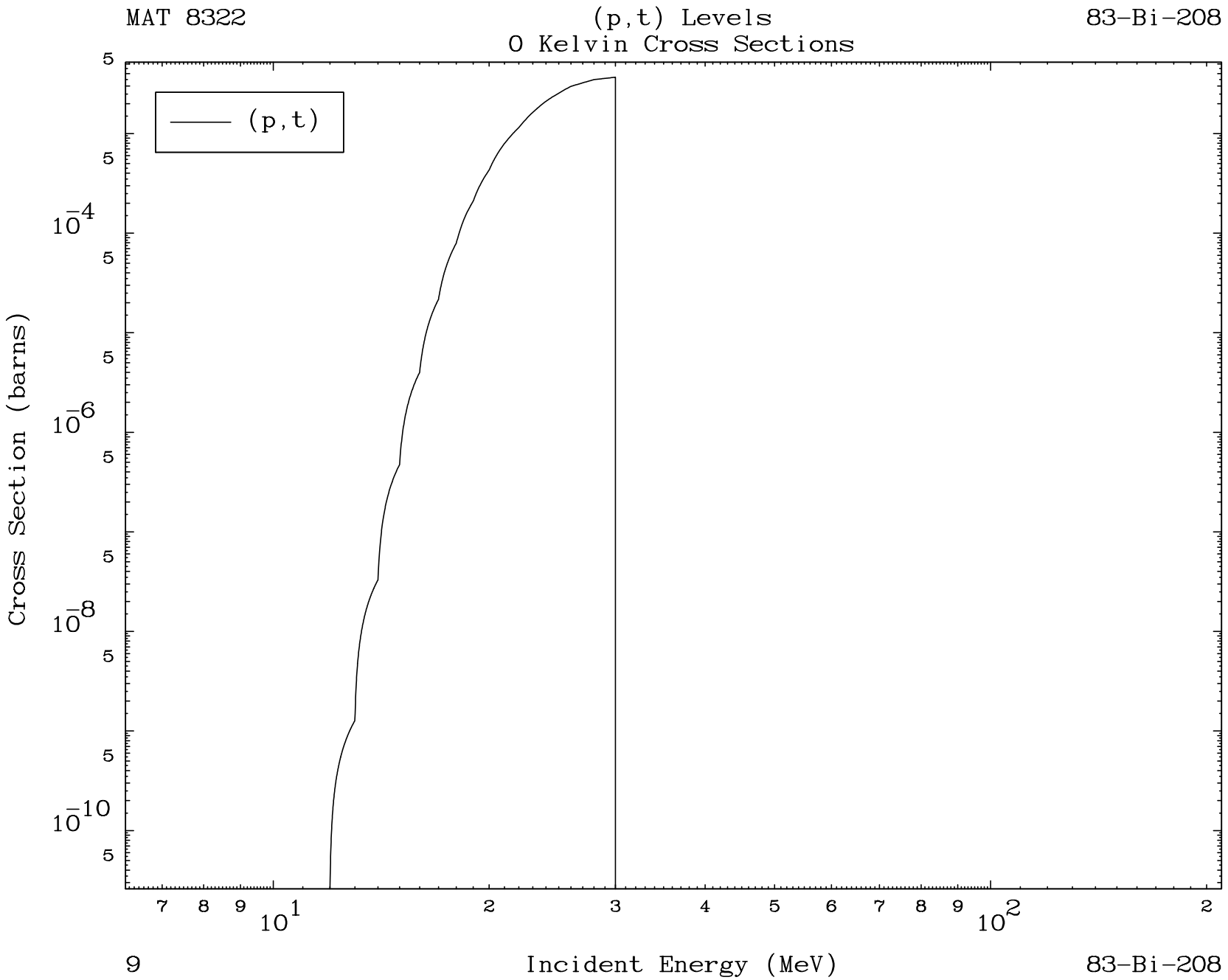

MAT 8322
Proton Charged Particle
0 Kelvin Cross Sections
83-Bi-208
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') 2α
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
83-Bi-208

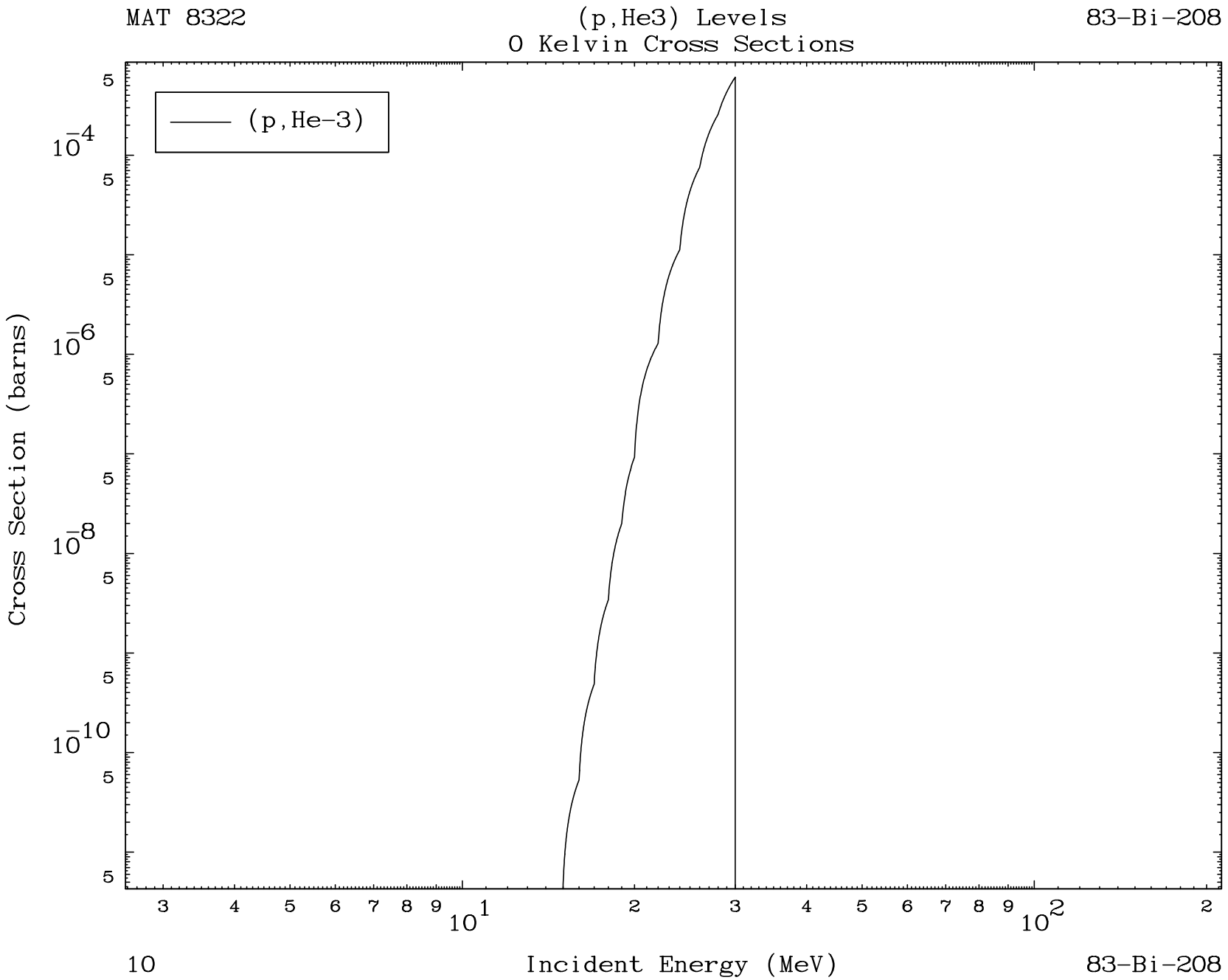

MAT 8322
Proton Charged Particle
0 Kelvin Cross Sections
83-Bi-208
(p,p)
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
83-Bi-208

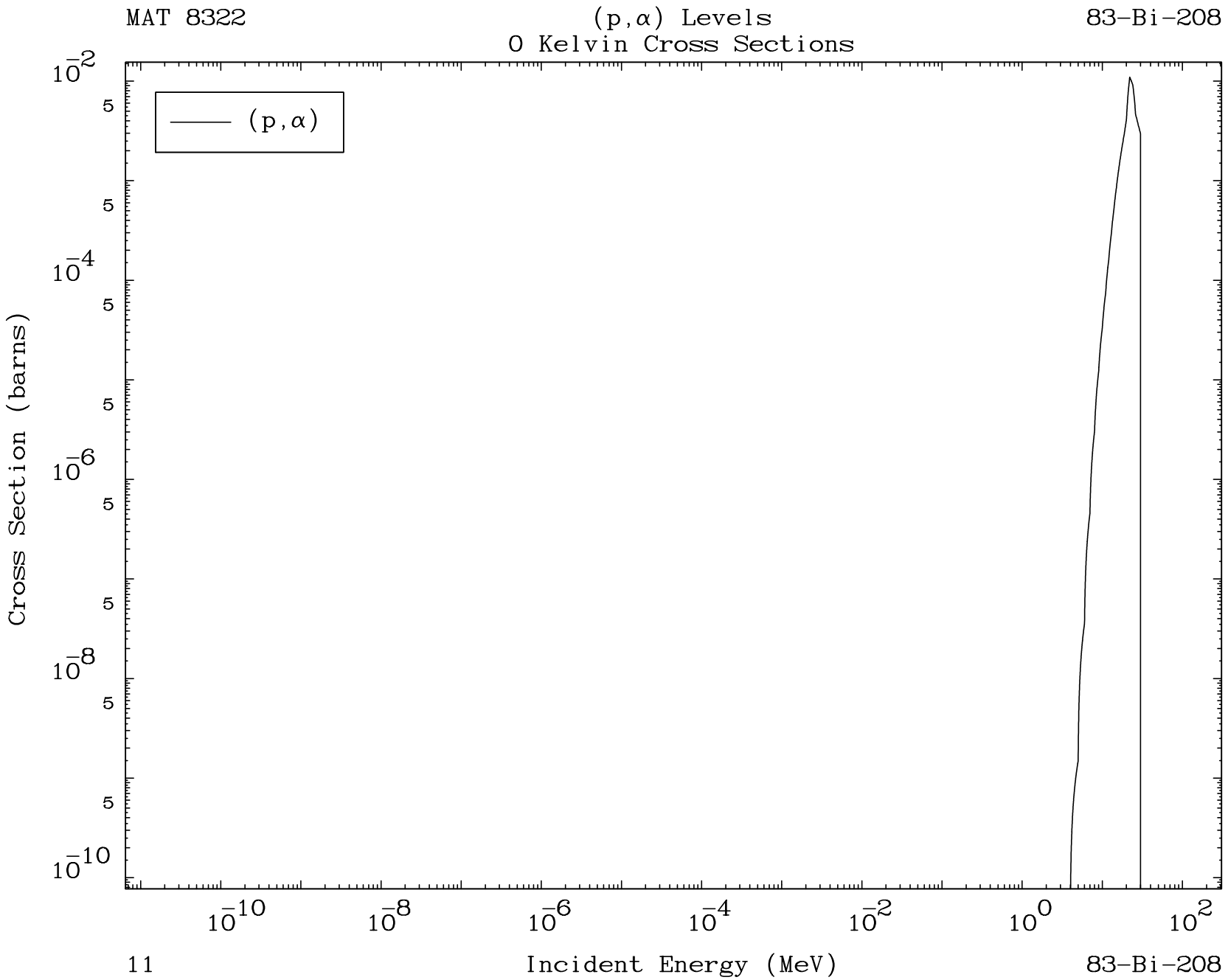

MAT 8322
(p,n') Level
83-Bi-208
0 Kelvin Cross Sections
Cross Section (barns)
10-2
10-4
10-6
10-8
Proton Inelastic
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
83-Bi-208

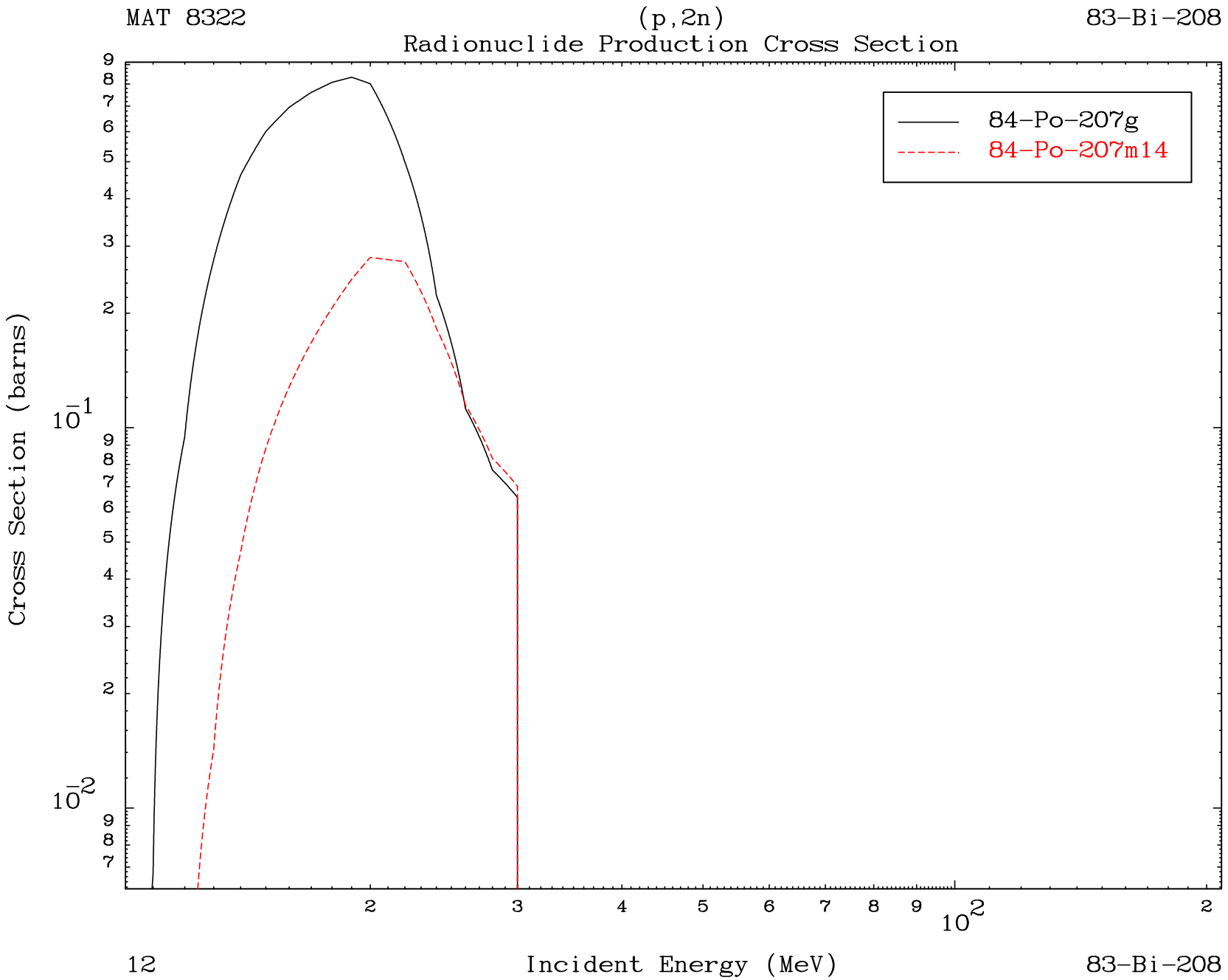

MAT 8322
(p,p) Levels
83-Bi-208
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
Incident Energy (MeV)
7
83-Bi-208

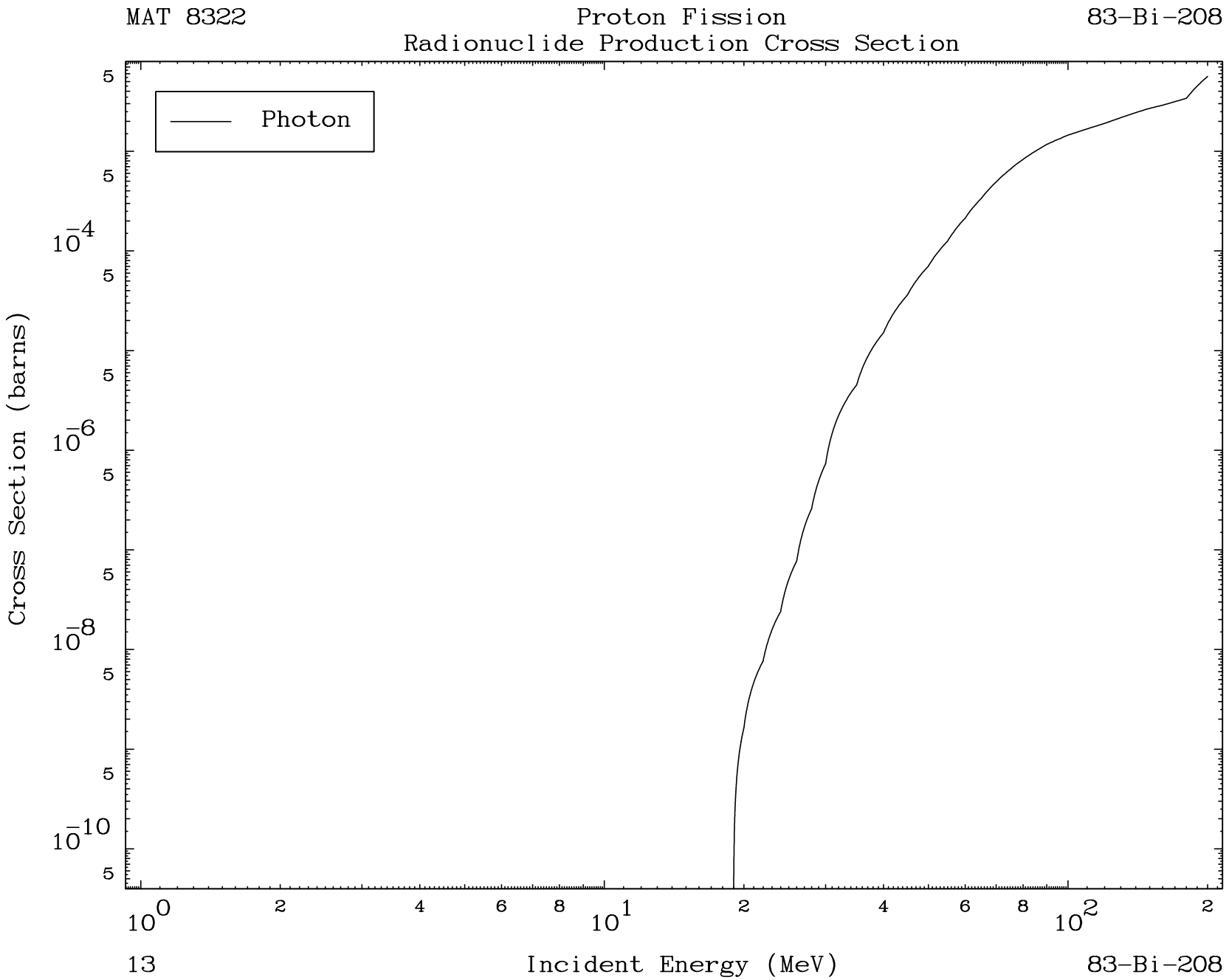

MAT 8322
(p,d) Levels
83-Bi-208
0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
5
5
5
5
5
5
5
5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
8
83-Bi-208

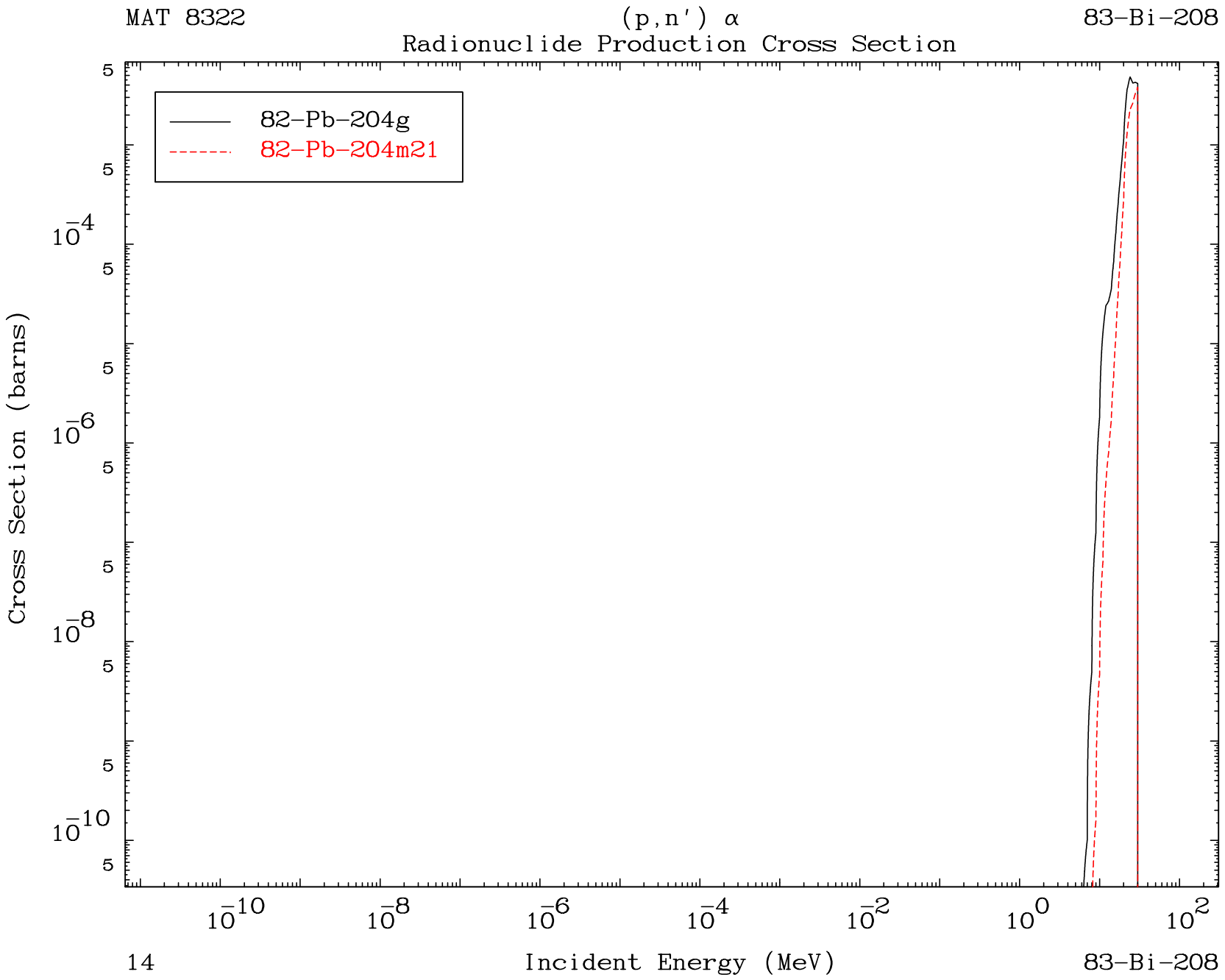

MAT 8322
(p,t) Levels
83-Bi-208
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
Incident Energy (MeV)
9
83-Bi-208

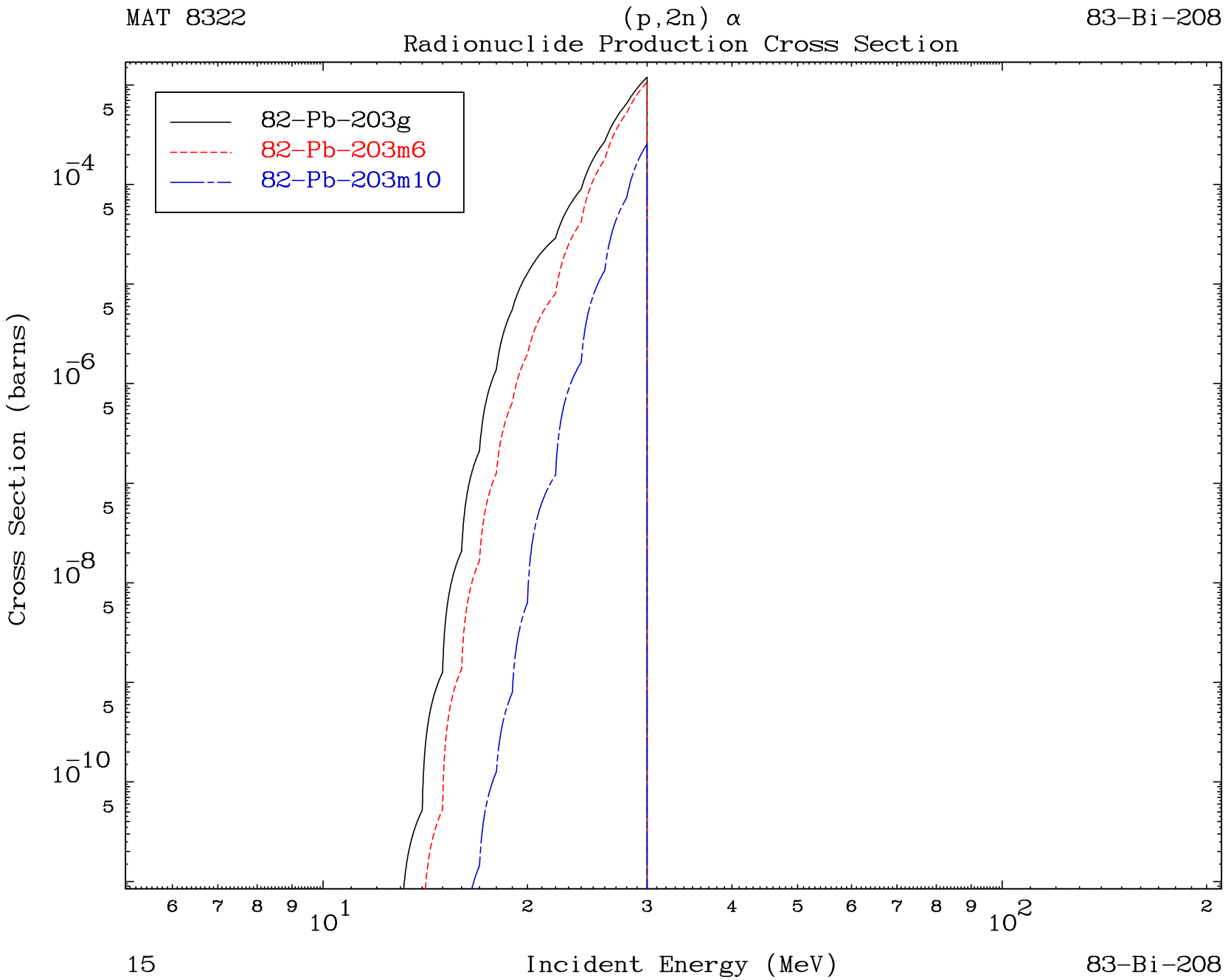

MAT 8322
(p,He3) Levels
83-Bi-208
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
83-Bi-208

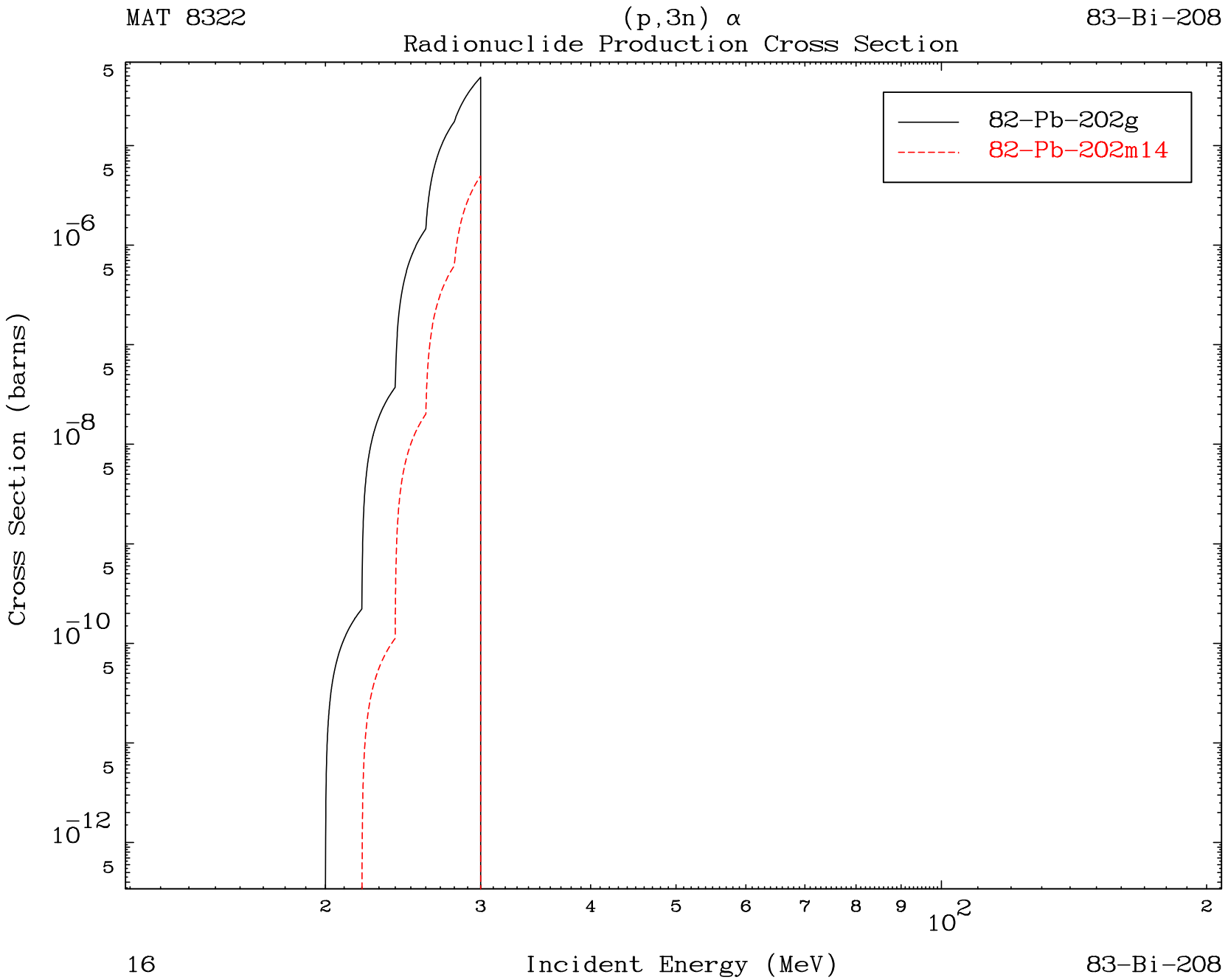

MAT 8322
(p,α) Levels
83-Bi-208
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
11
83-Bi-208

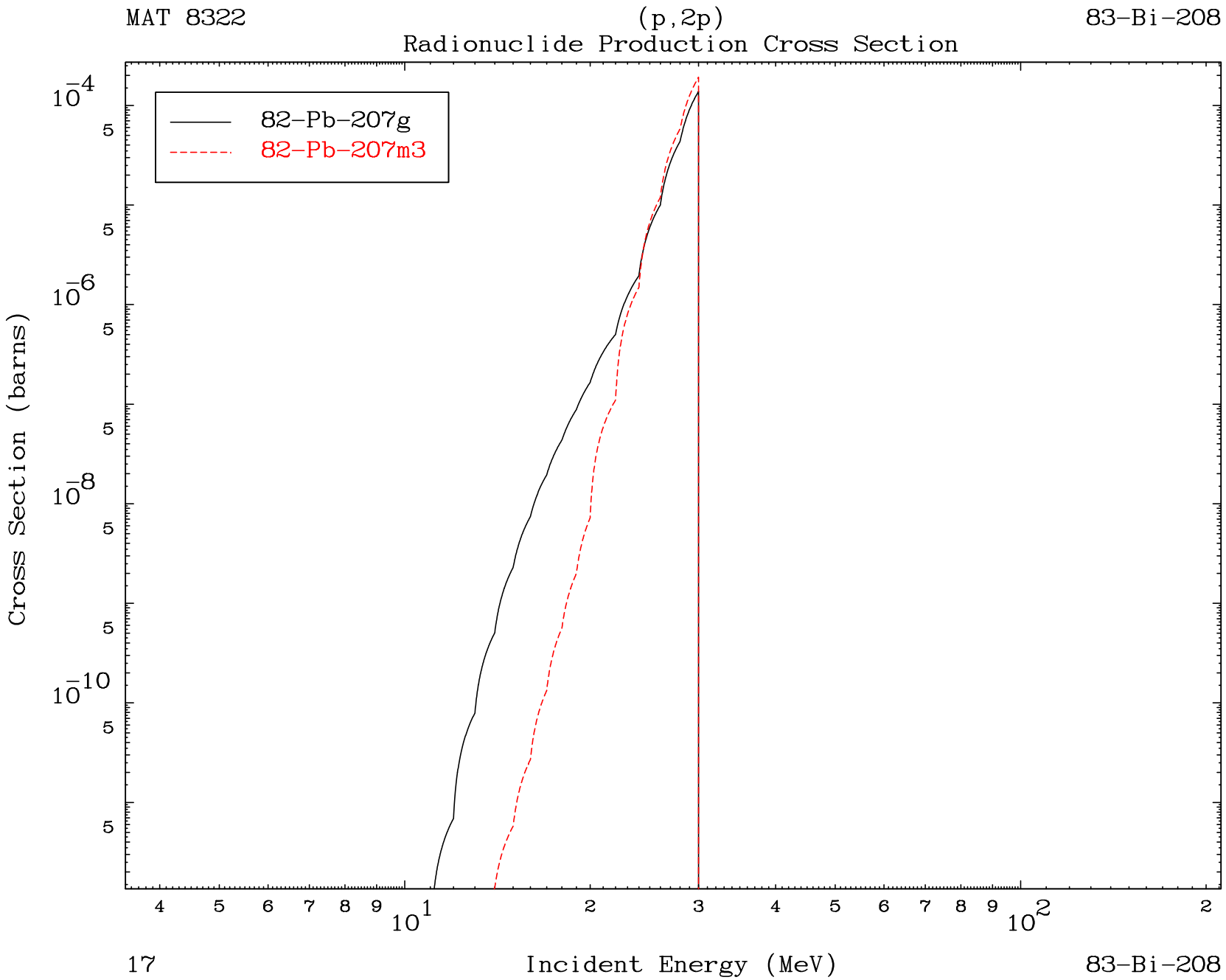

MAT 8322
(p,2n)
83-Bi-208
Radionuclide Production Cross Section
84-Po-207g
84-Po-207m14
Cross Section (barns)
Incident Energy (MeV)
12
83-Bi-208


MAT 8322
Proton Fission
83-Bi-208
Radionuclide Production Cross Section
Photon
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
13
83-Bi-208


MAT 8322
(p,n') α
83-Bi-208
Radionuclide Production Cross Section
82-Pb-204g
82-Pb-204m21
Cross Section (barns)
Incident Energy (MeV)
14
83-Bi-208


MAT 8322
(p,2n) α
83-Bi-208
Radionuclide Production Cross Section
82-Pb-203g
82-Pb-203m6
82-Pb-203m10
Cross Section (barns)
Incident Energy (MeV)
15
83-Bi-208


MAT 8322
(p,3n) α
83-Bi-208
Radionuclide Production Cross Section
82-Pb-202g
82-Pb-202m14
Cross Section (barns)
Incident Energy (MeV)
16
83-Bi-208


MAT 8322
(p,2p)
83-Bi-208
Radionuclide Production Cross Section
82-Pb-207g
82-Pb-207m3
Cross Section (barns)
Incident Energy (MeV)
17
83-Bi-208