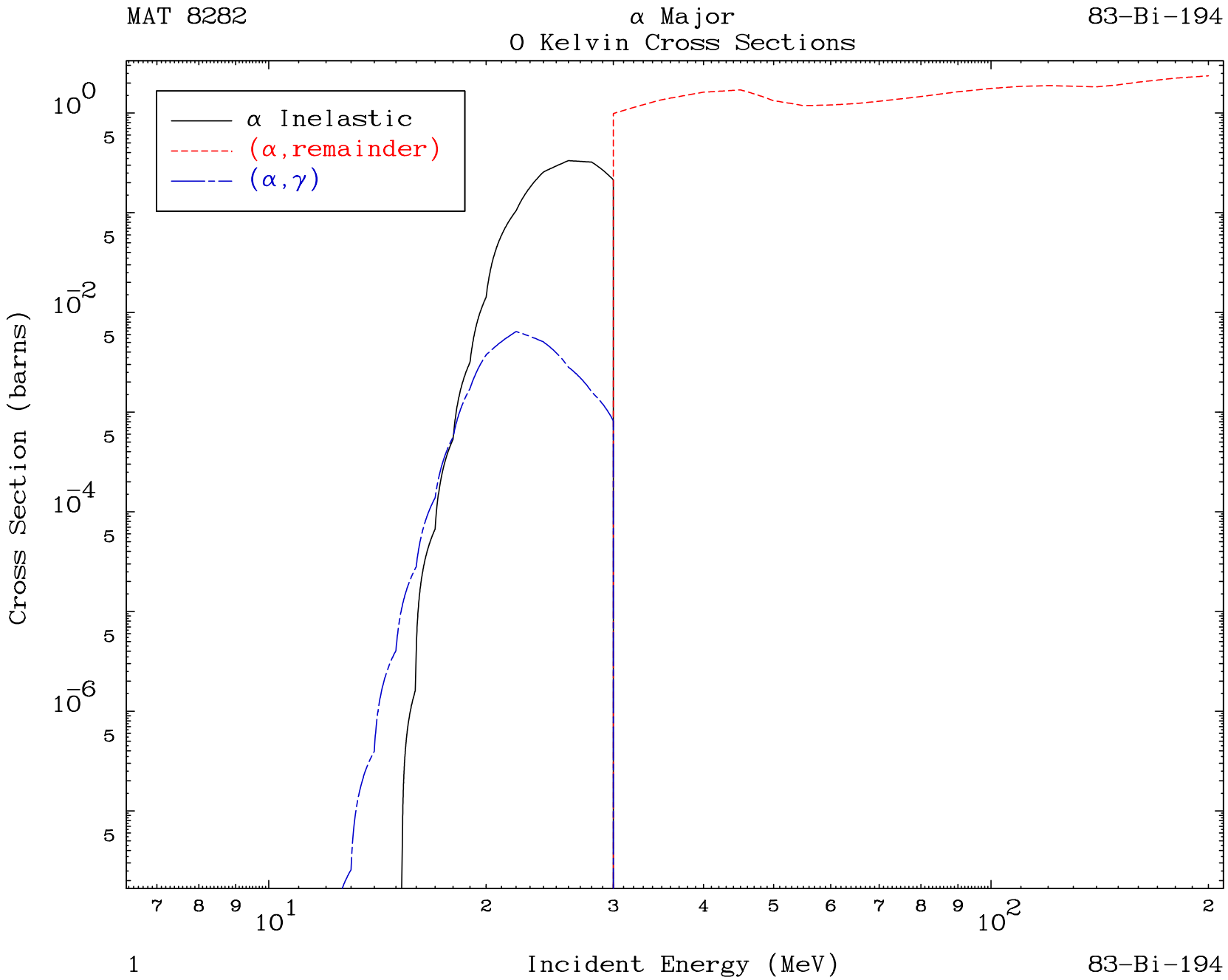
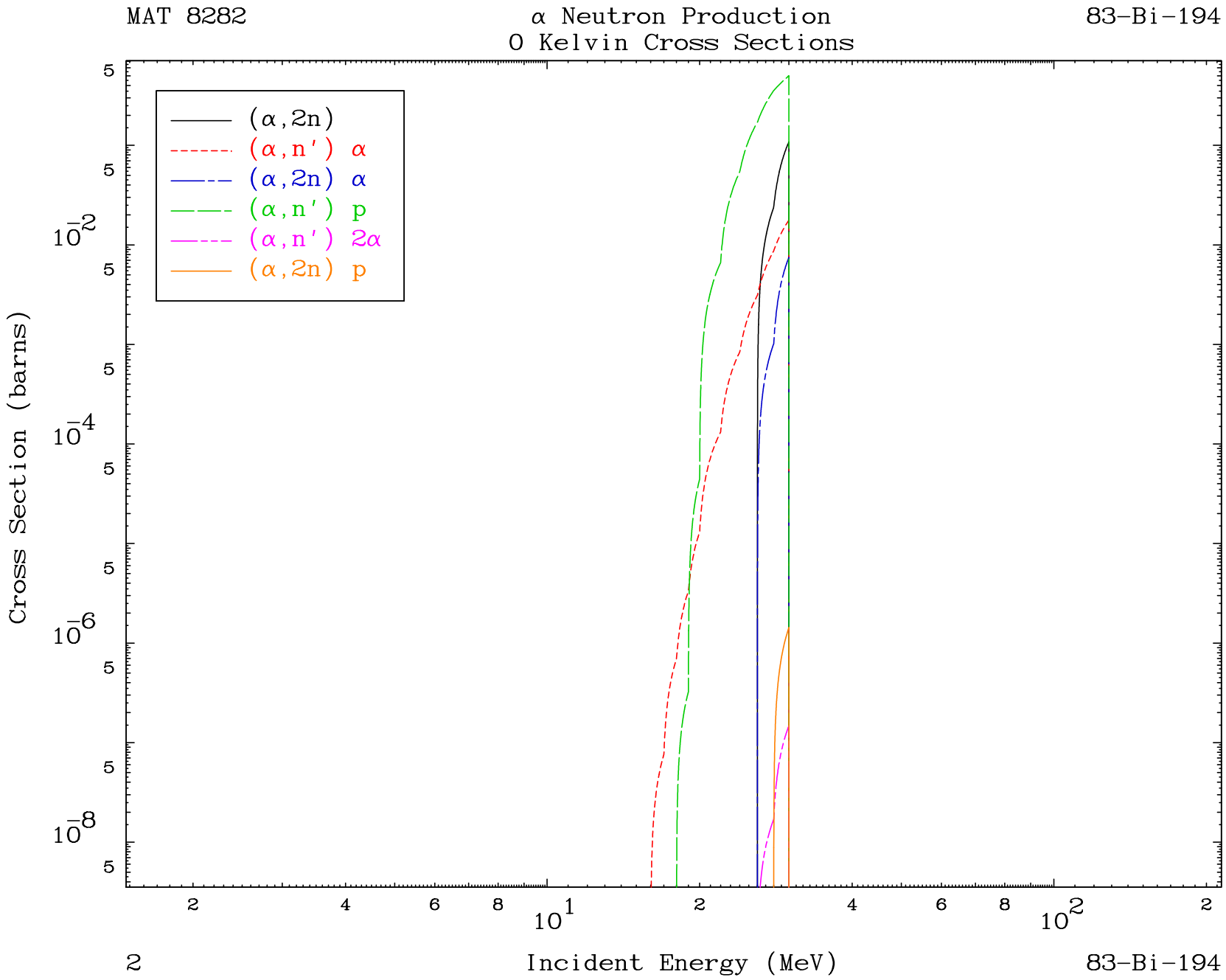
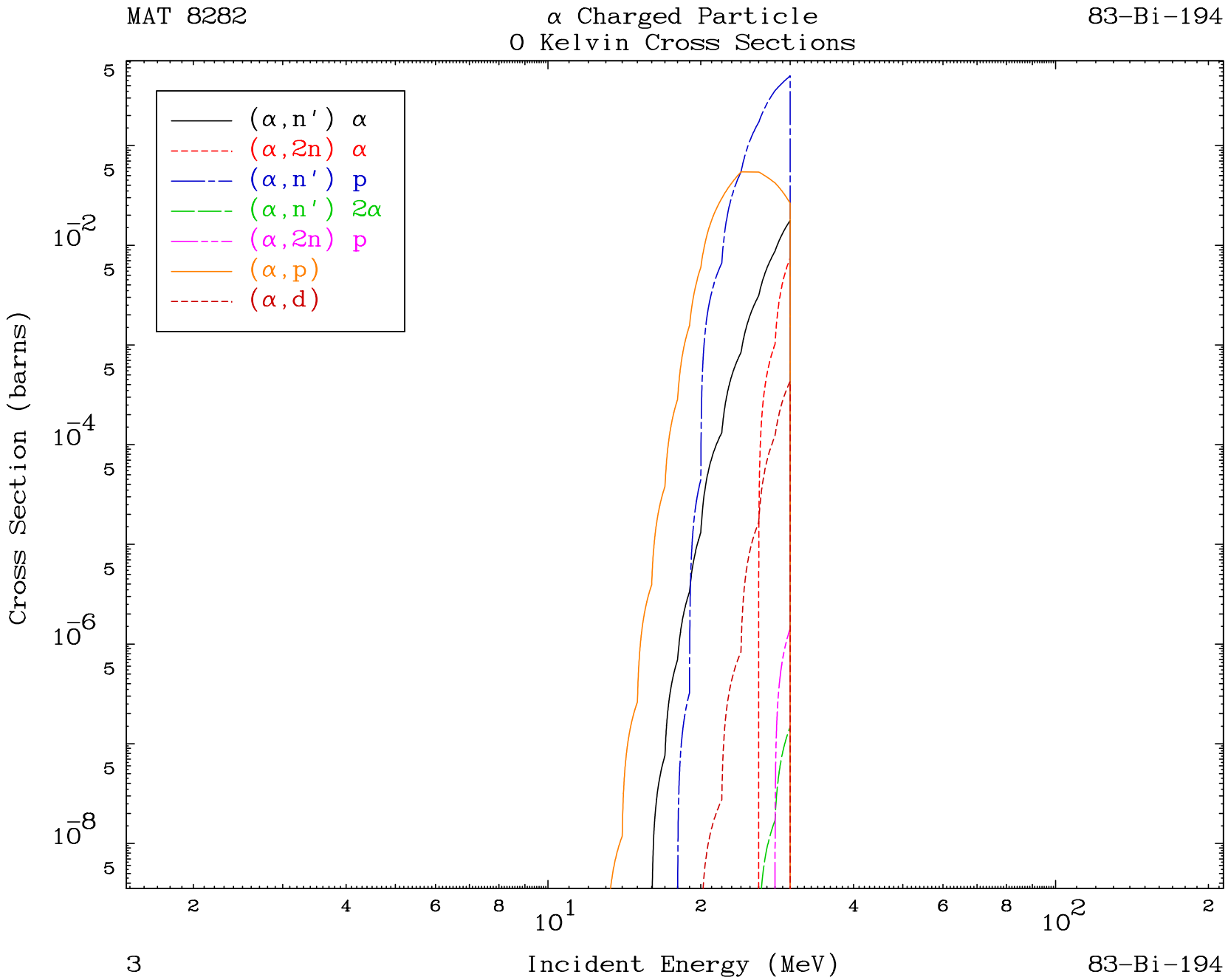
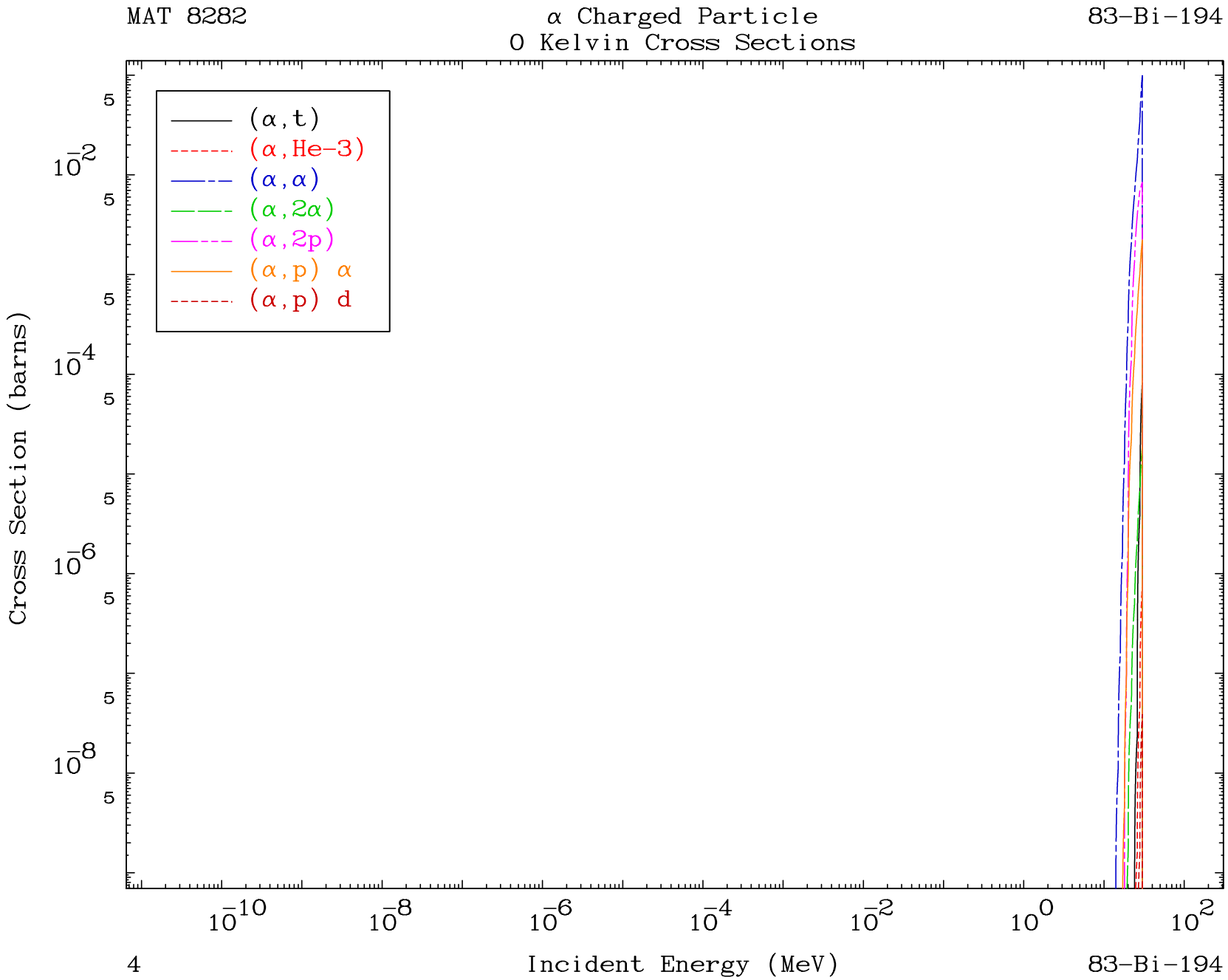
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

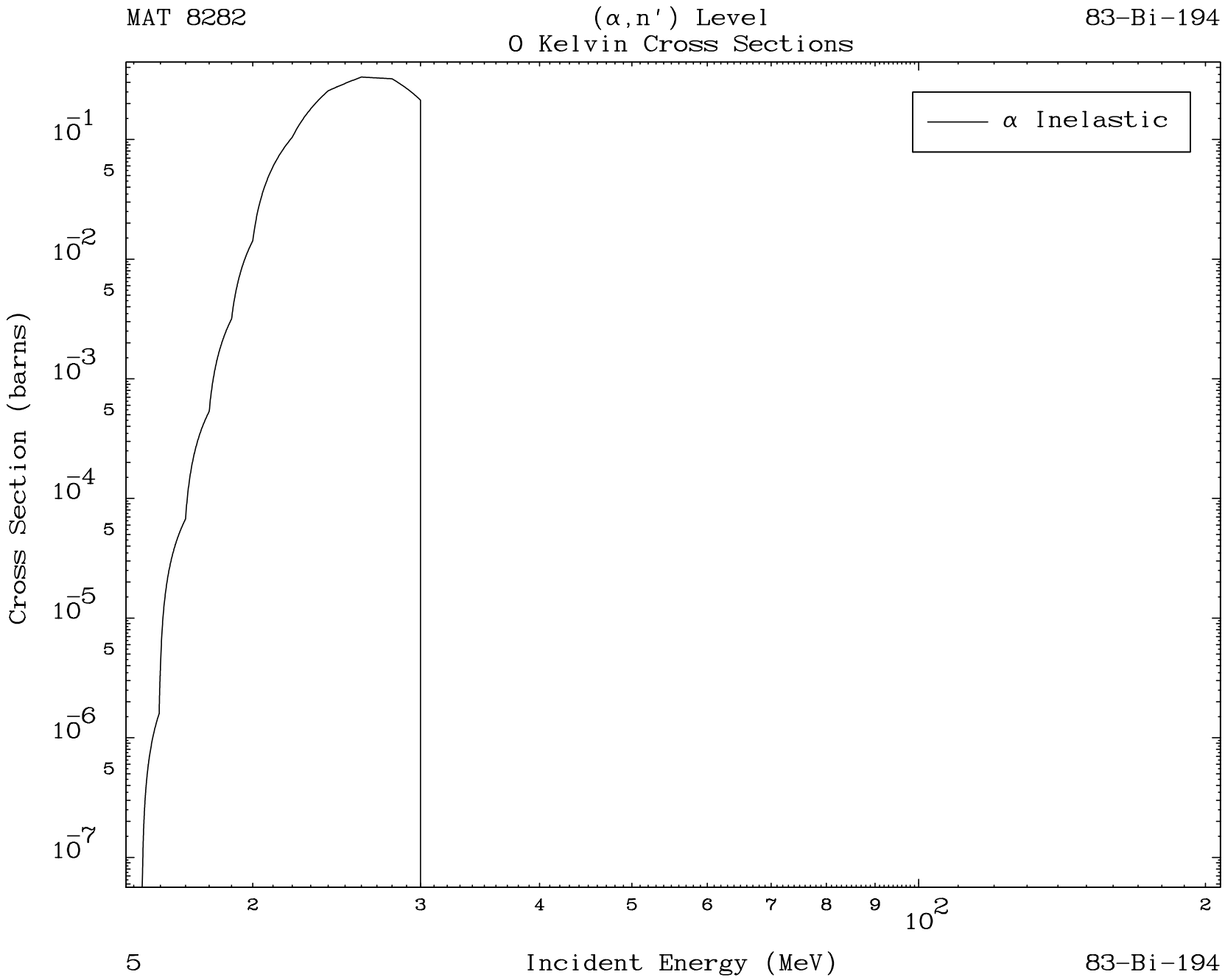
Press Mouse Button to Start

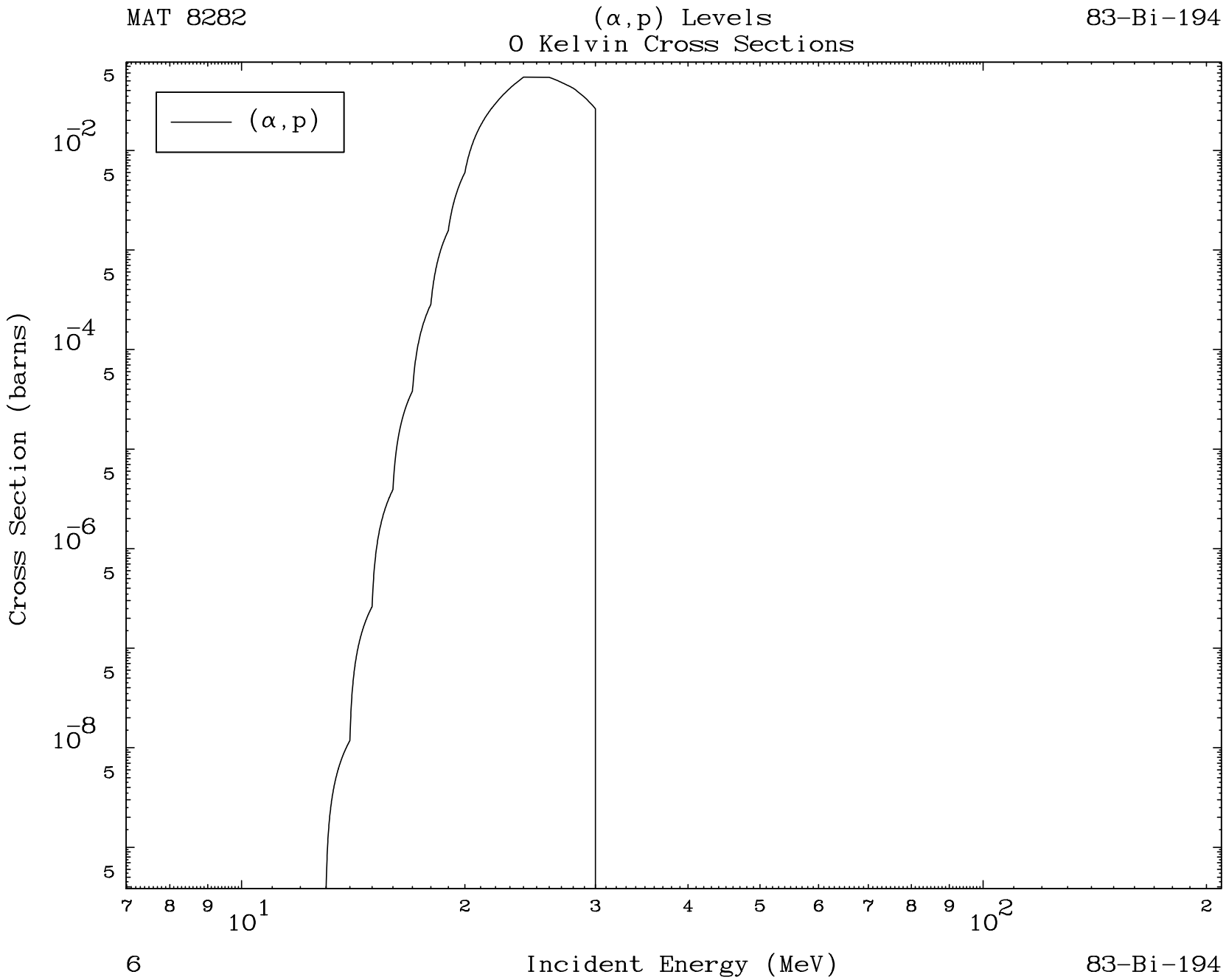

MAT 8282
α Major
83-Bi-194
0 Kelvin Cross Sections
α Inelastic
(α,remainder)
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
83-Bi-194

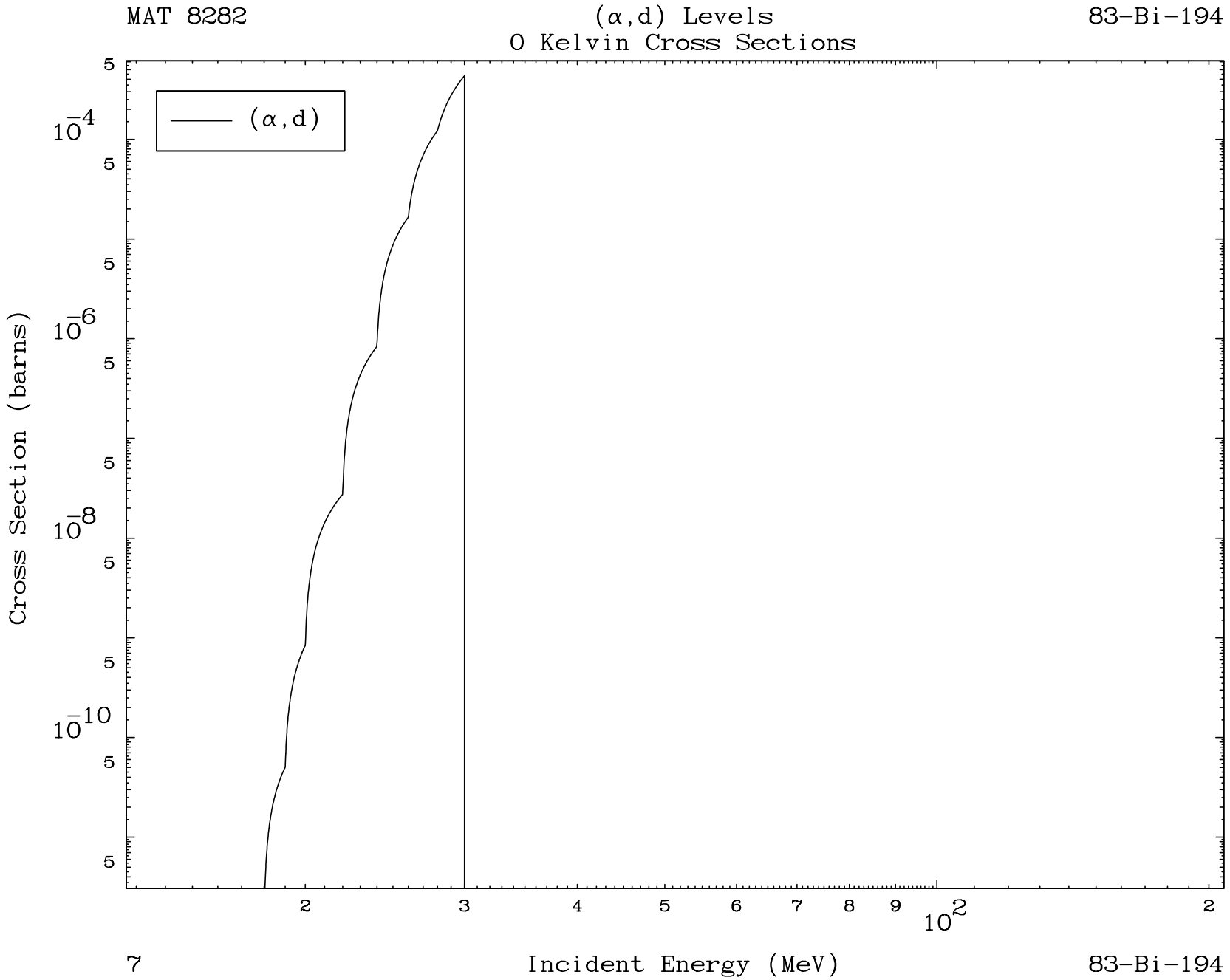

MAT 8282
α Neutron Production
0 Kelvin Cross Sections
83-Bi-194
(α,2n)
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
83-Bi-194

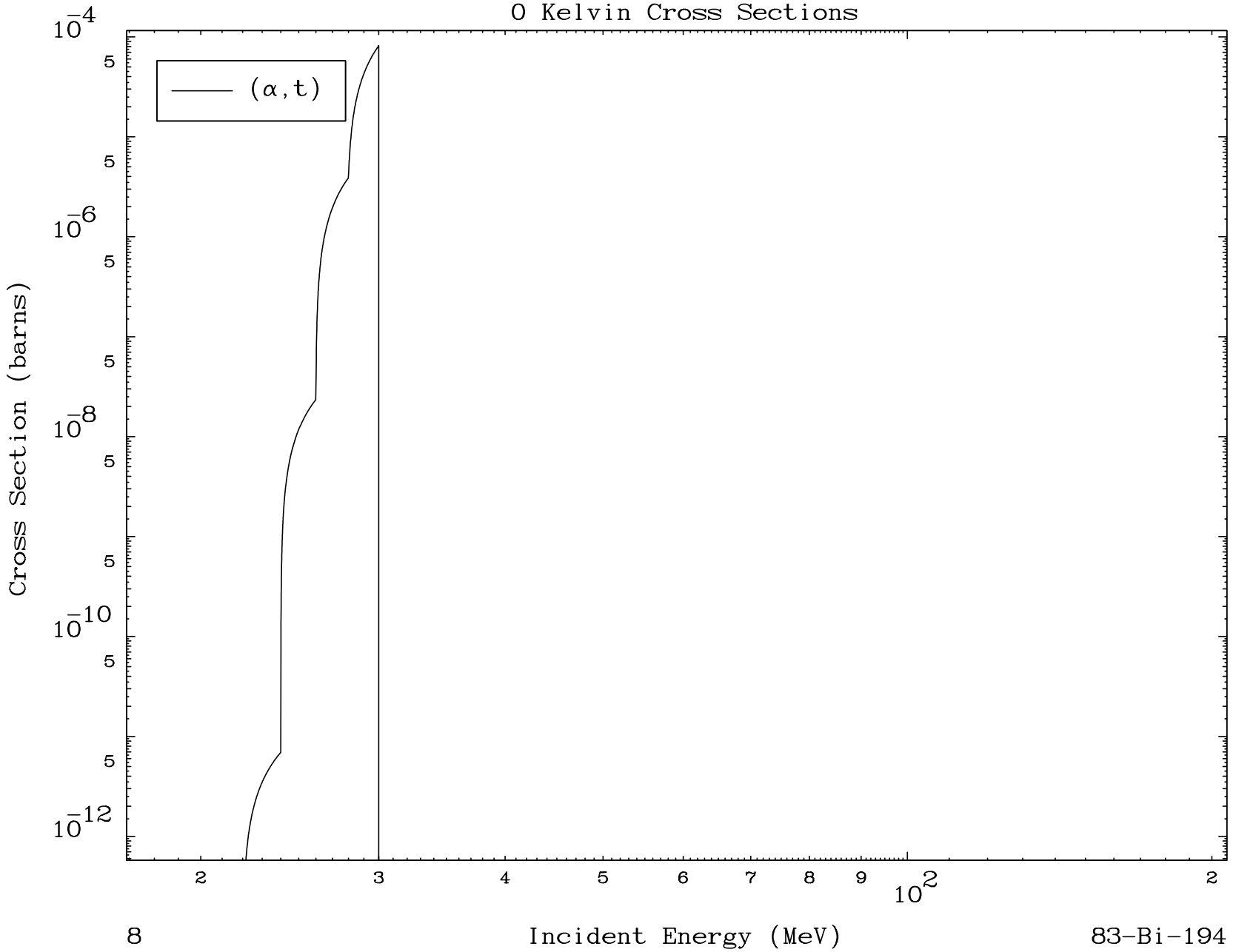

MAT 8282
α Charged Particle
0 Kelvin Cross Sections
83-Bi-194
(α,n') α
(α,2n) α
(α,n') p
(α,n') 2α
(α,2n) p
(α,p)
(α,d)
Cross Section (barns)
Incident Energy (MeV)
3
83-Bi-194

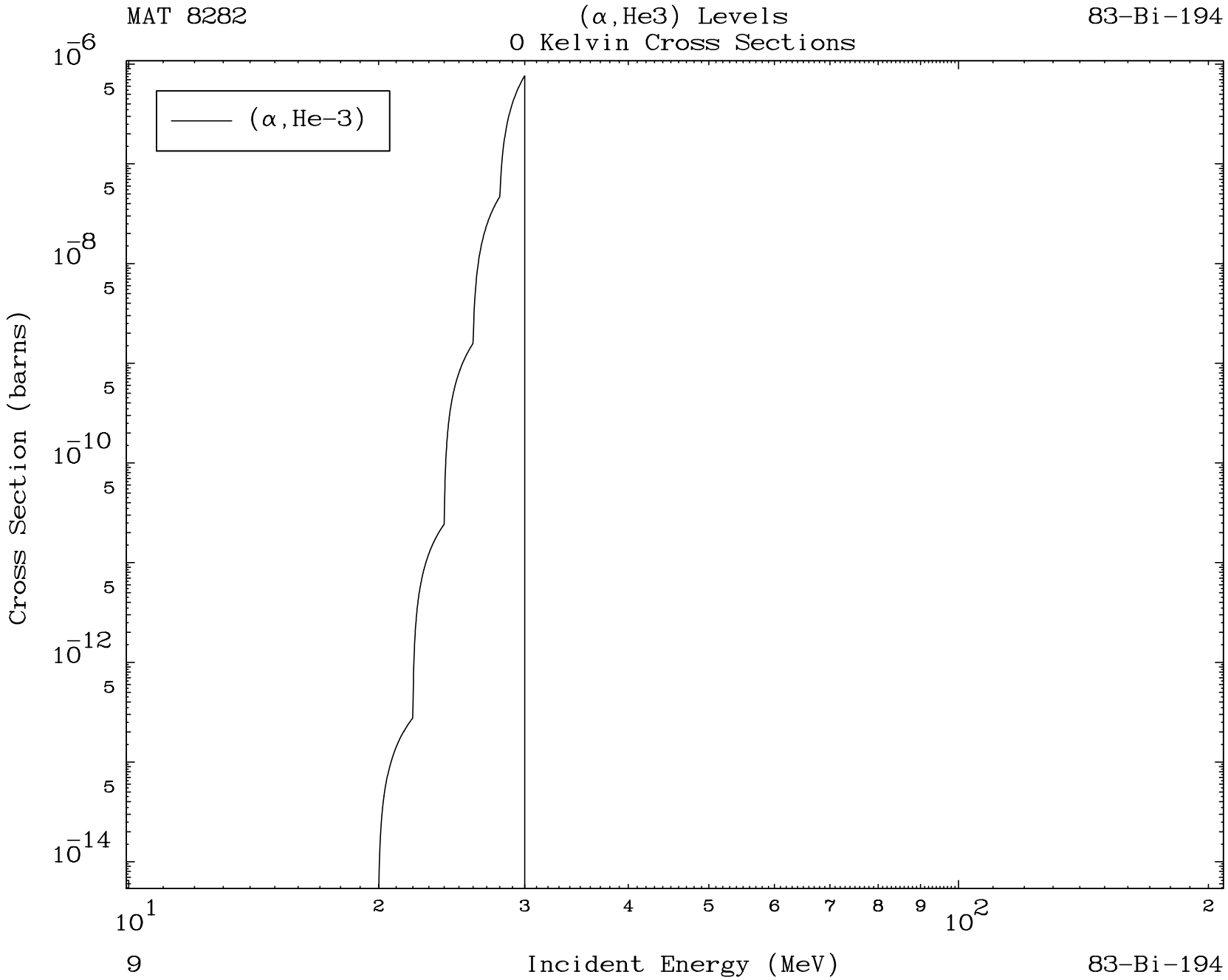

MAT 8282
α Charged Particle
0 Kelvin Cross Sections
83-Bi-194
(α,t)
(α,He-3)
(α,α)
(α,2α)
(α,2p)
(α,p) α
(α,p) d
Cross Section (barns)
Incident Energy (MeV)
4
83-Bi-194

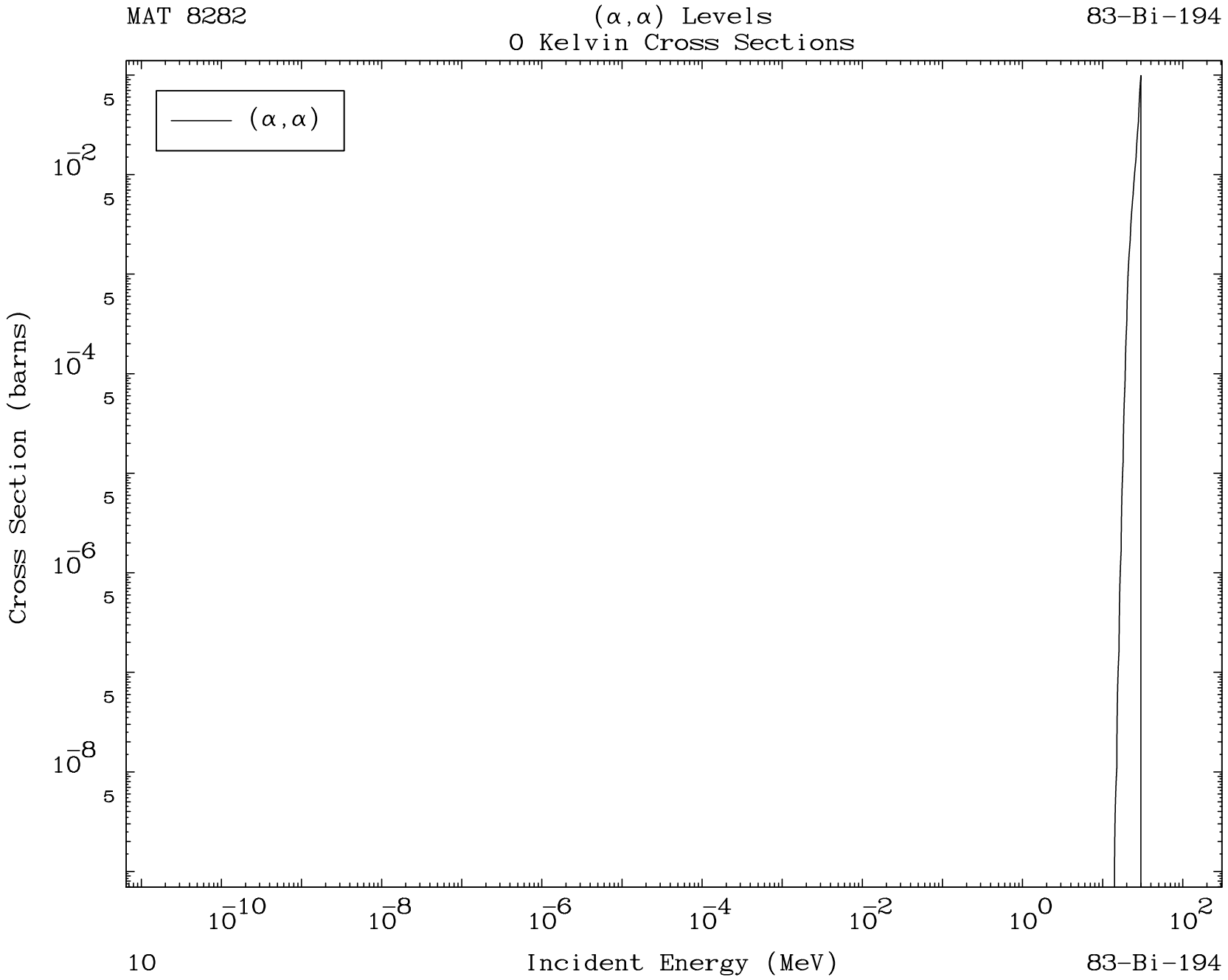

MAT 8282
(α,n') Level
83-Bi-194
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
10-1
10-2
10-3
10-4
10-5
10-6
10-7
2
3
4
5
6
7
8
9
10 2
2
5
Incident Energy (MeV)
83-Bi-194

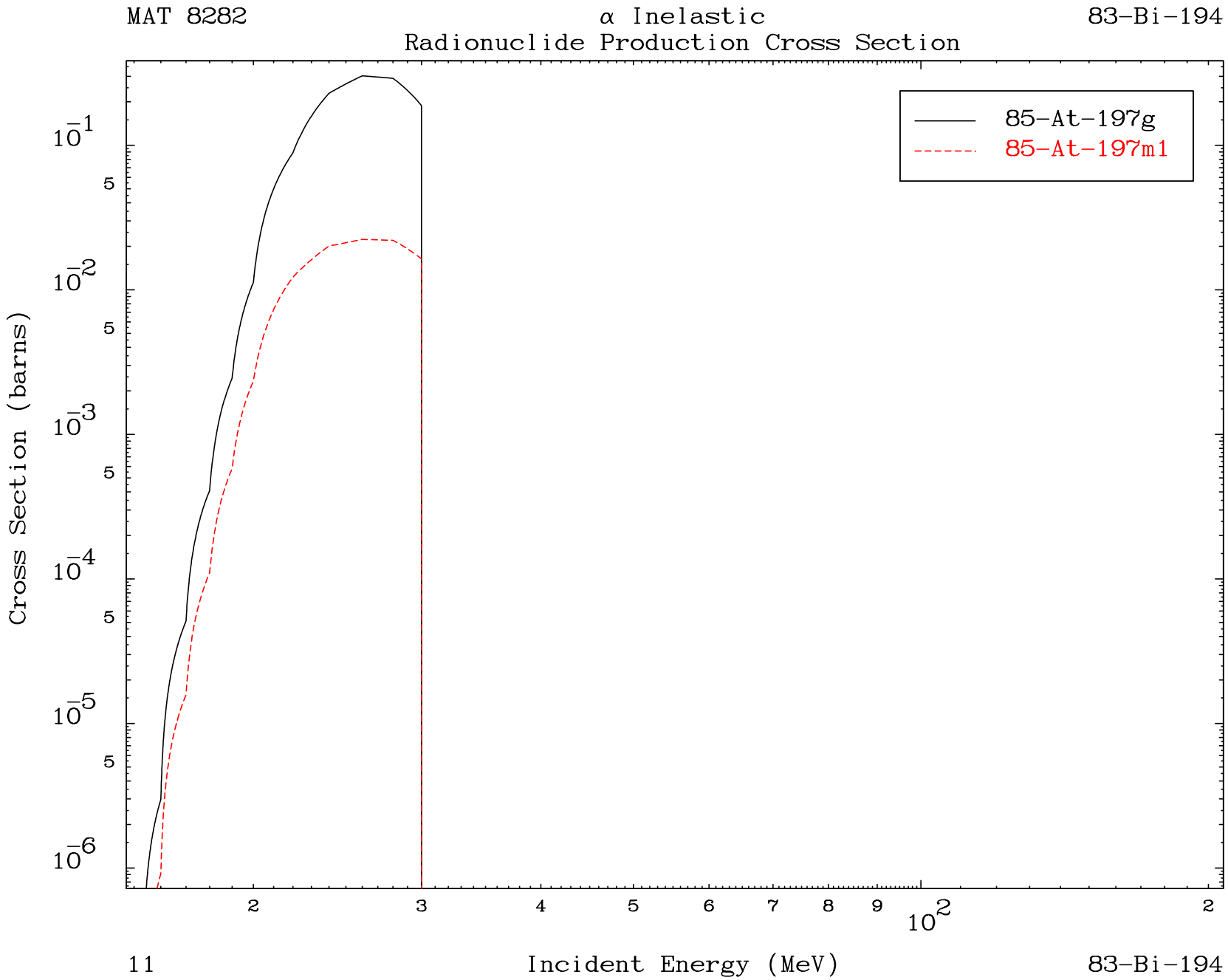

MAT 8282
(α,p) Levels
83-Bi-194
0 Kelvin Cross Sections
(α,p)
Cross Section (barns)
Incident Energy (MeV)
83-Bi-194
6

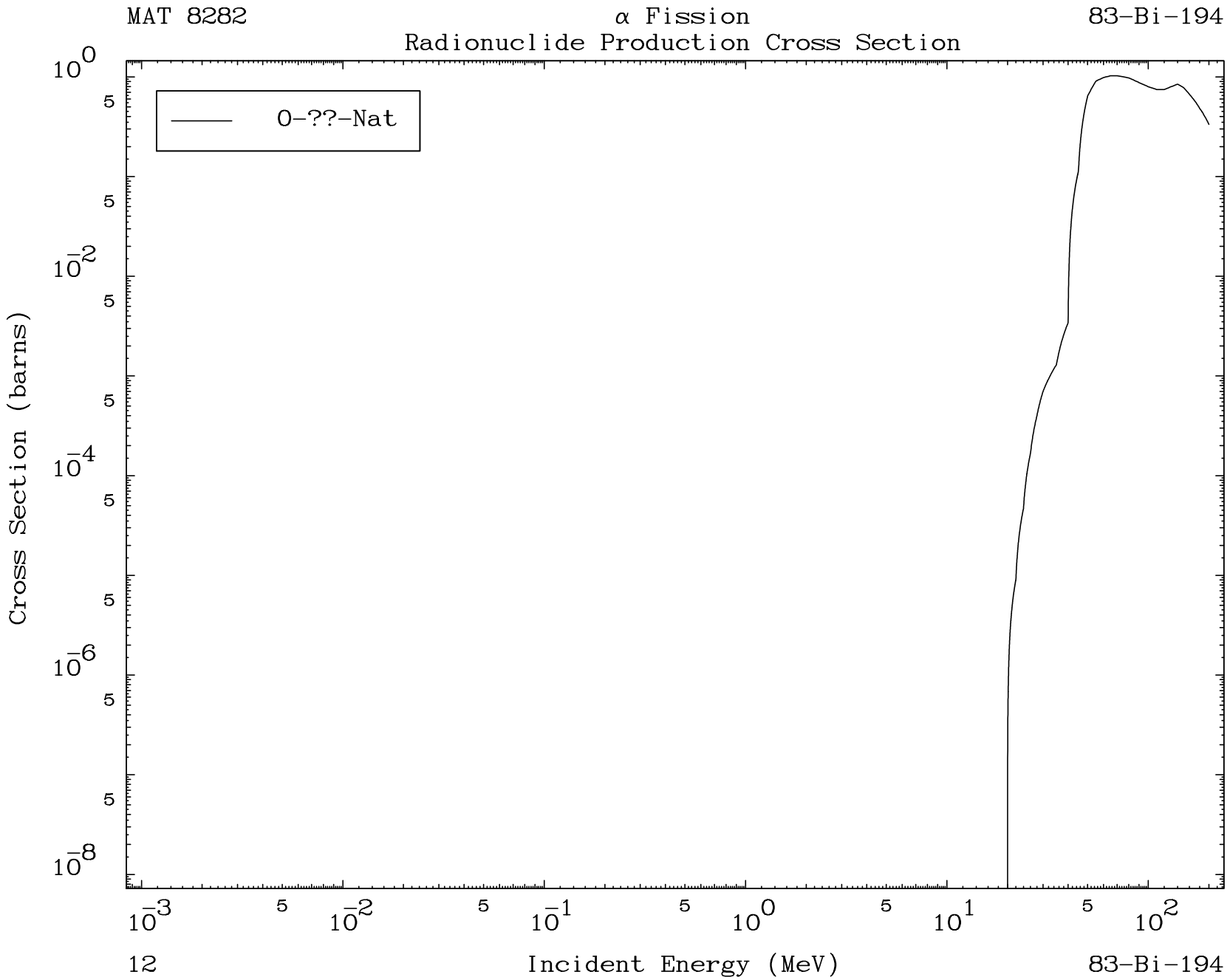

MAT 8282
(α,d) Levels
83-Bi-194
0 Kelvin Cross Sections
(α,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^2
7
83-Bi-194

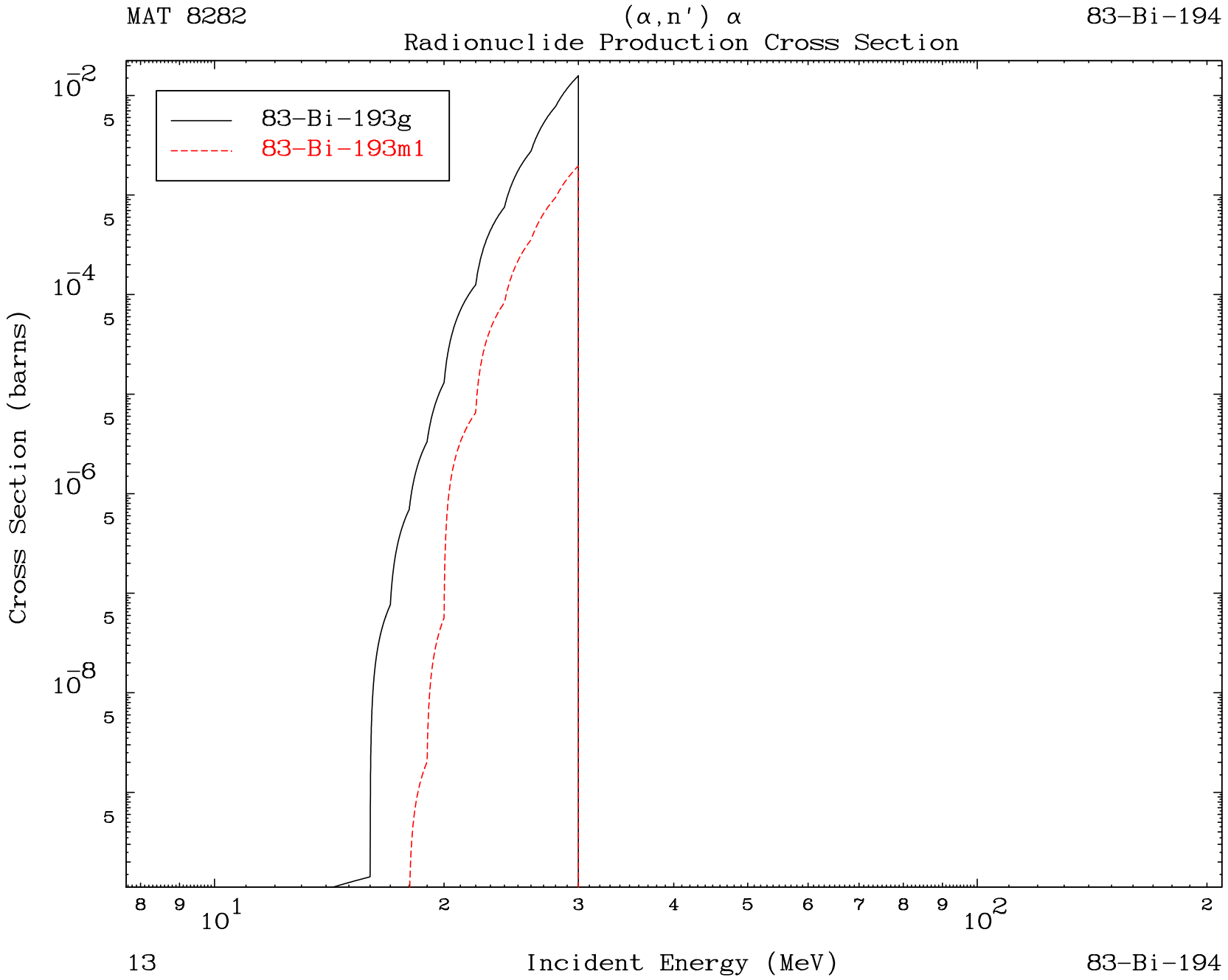

0 Kelvin Cross Sections
(α,t)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
10-12
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

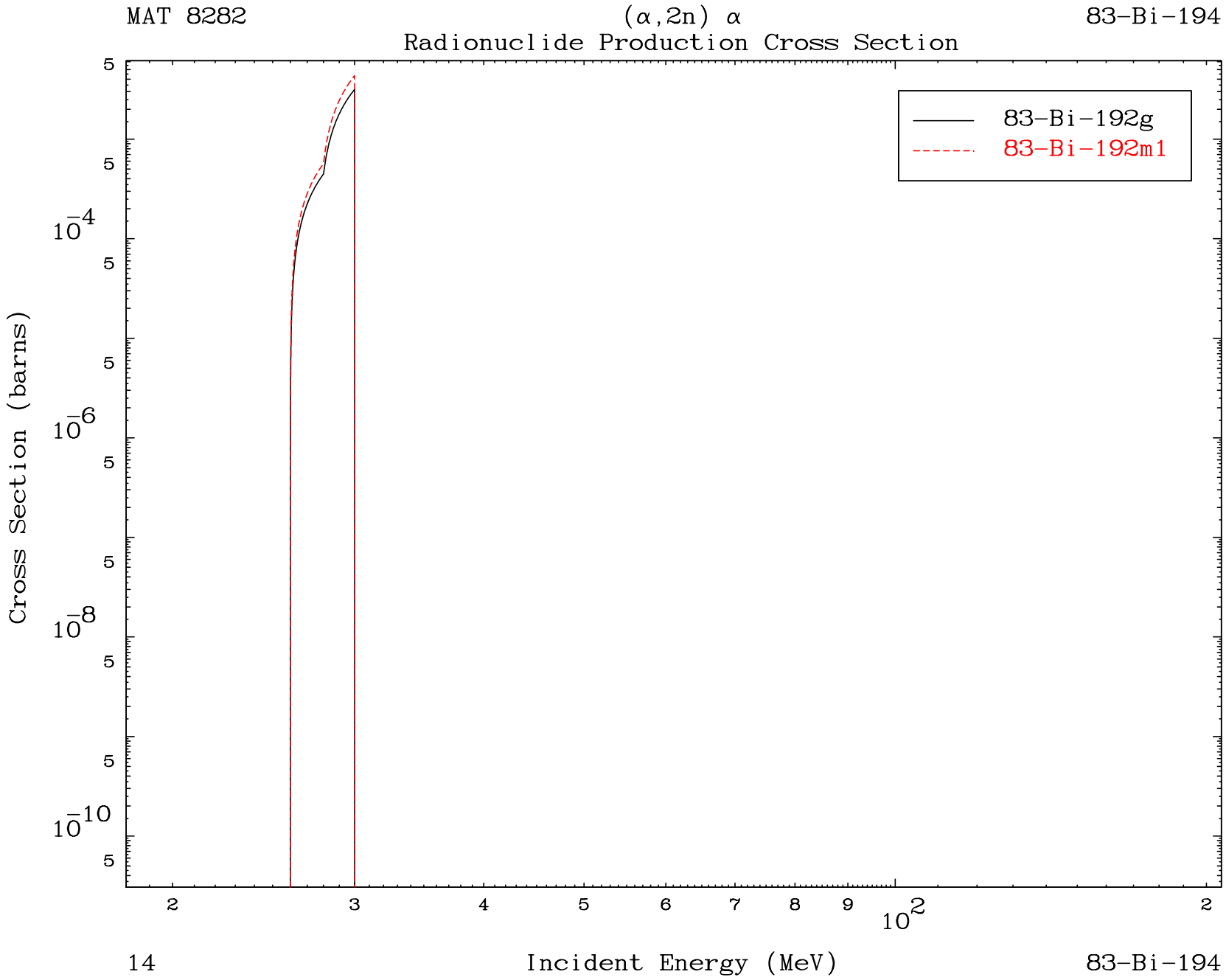

MAT 8282
(α,He3) Levels
83-Bi-194
0 Kelvin Cross Sections
(α,He-3)
Cross Section (barns)
Incident Energy (MeV)
83-Bi-194
9

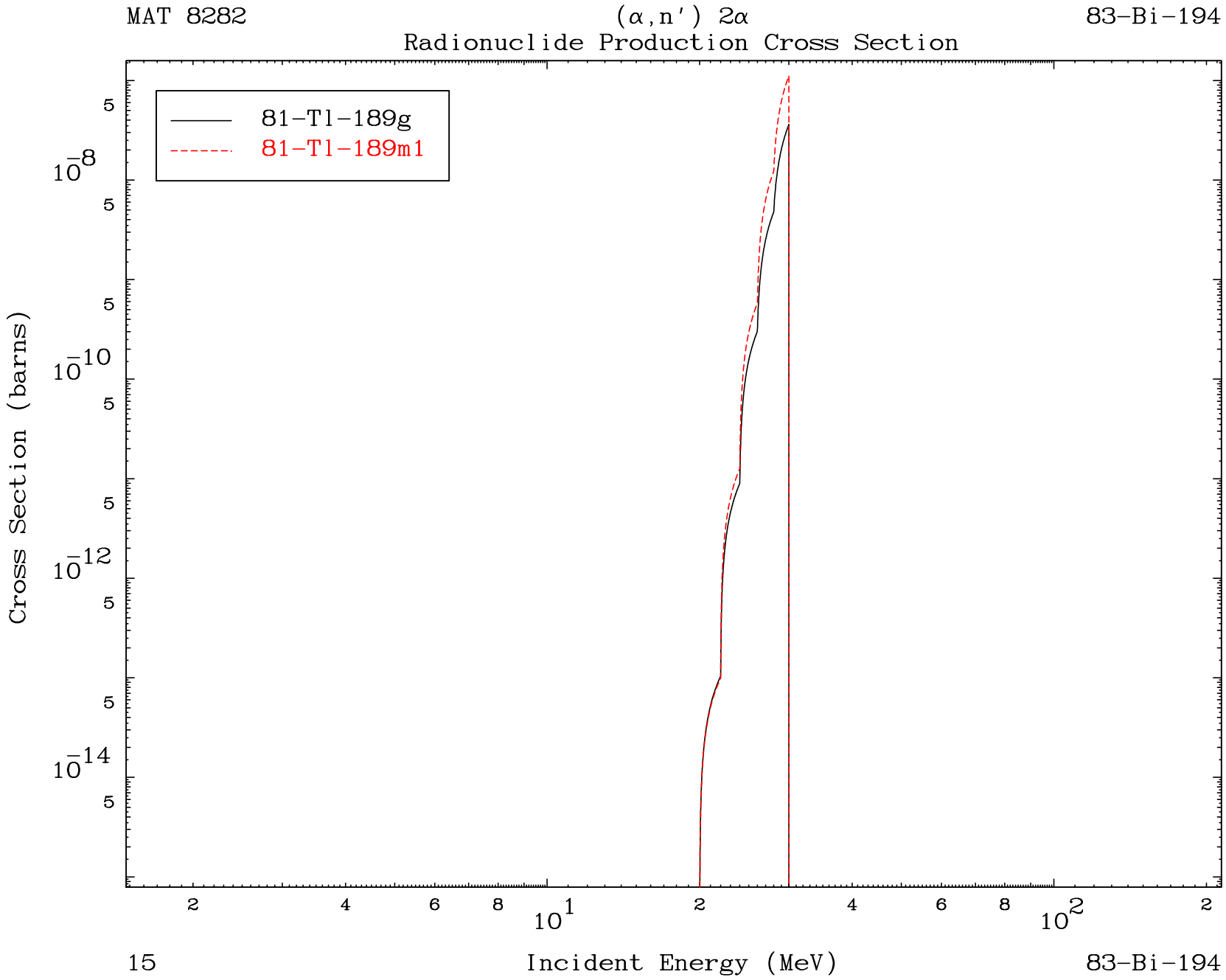

MAT 8282
(α,α) Levels
83-Bi-194
0 Kelvin Cross Sections
(α,α)
Cross Section (barns)
Incident Energy (MeV)
10
83-Bi-194

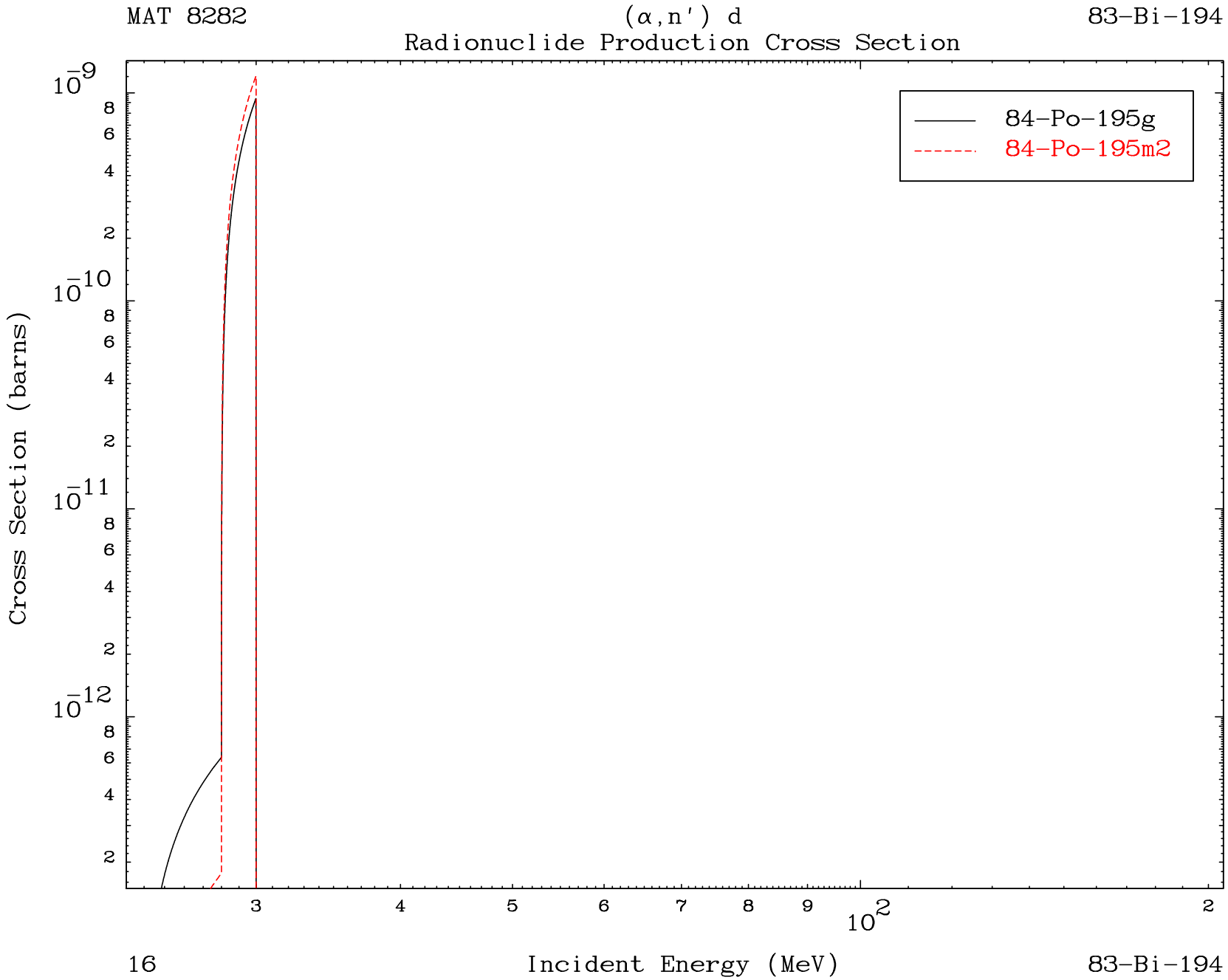

MAT 8282
α Inelastic
83-Bi-194
Radionuclide Production Cross Section
85-At-197g
85-At-197m1
Cross Section (barns)
Incident Energy (MeV)
11
83-Bi-194

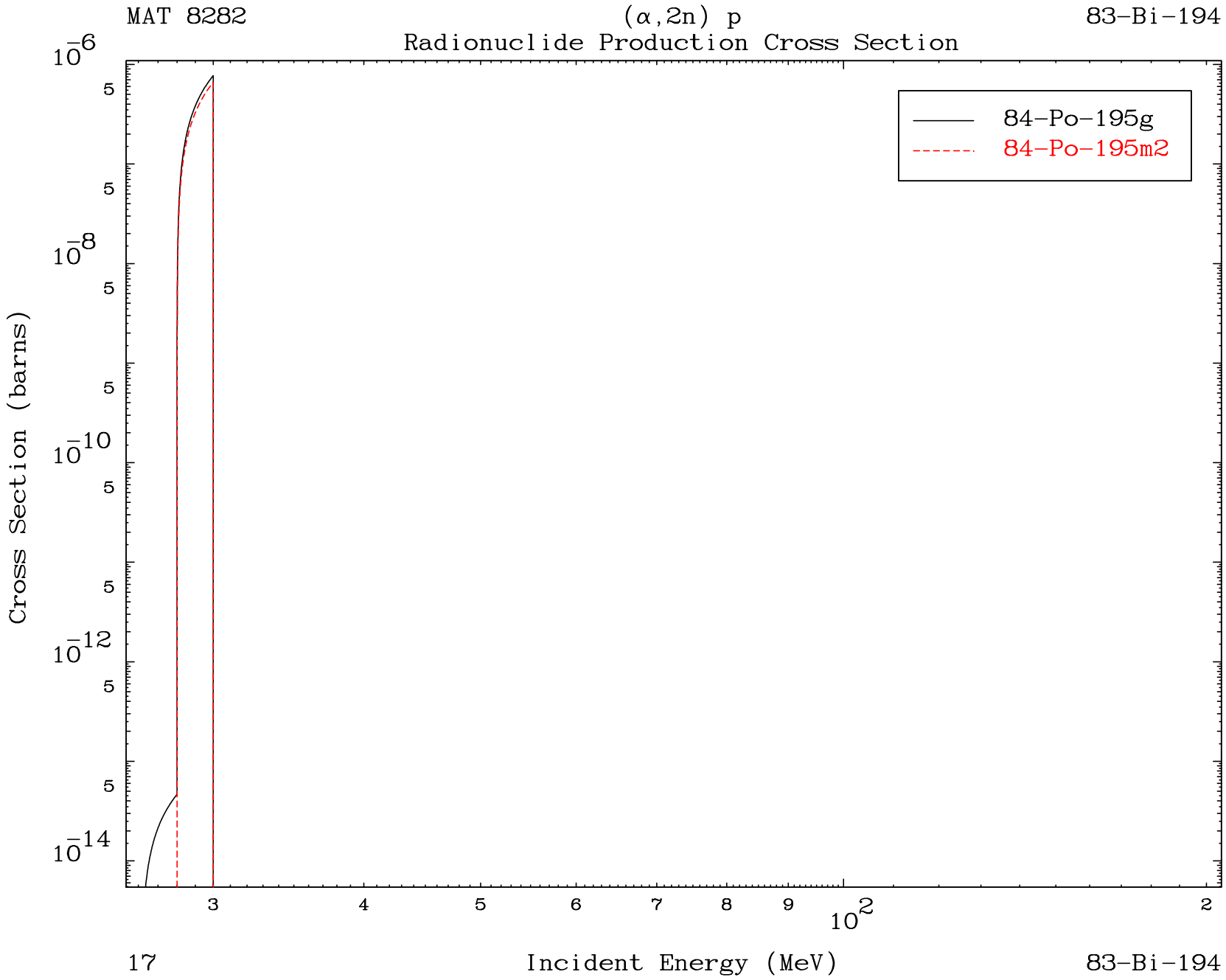

MAT 8282
α Fission
83-Bi-194
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
83-Bi-194

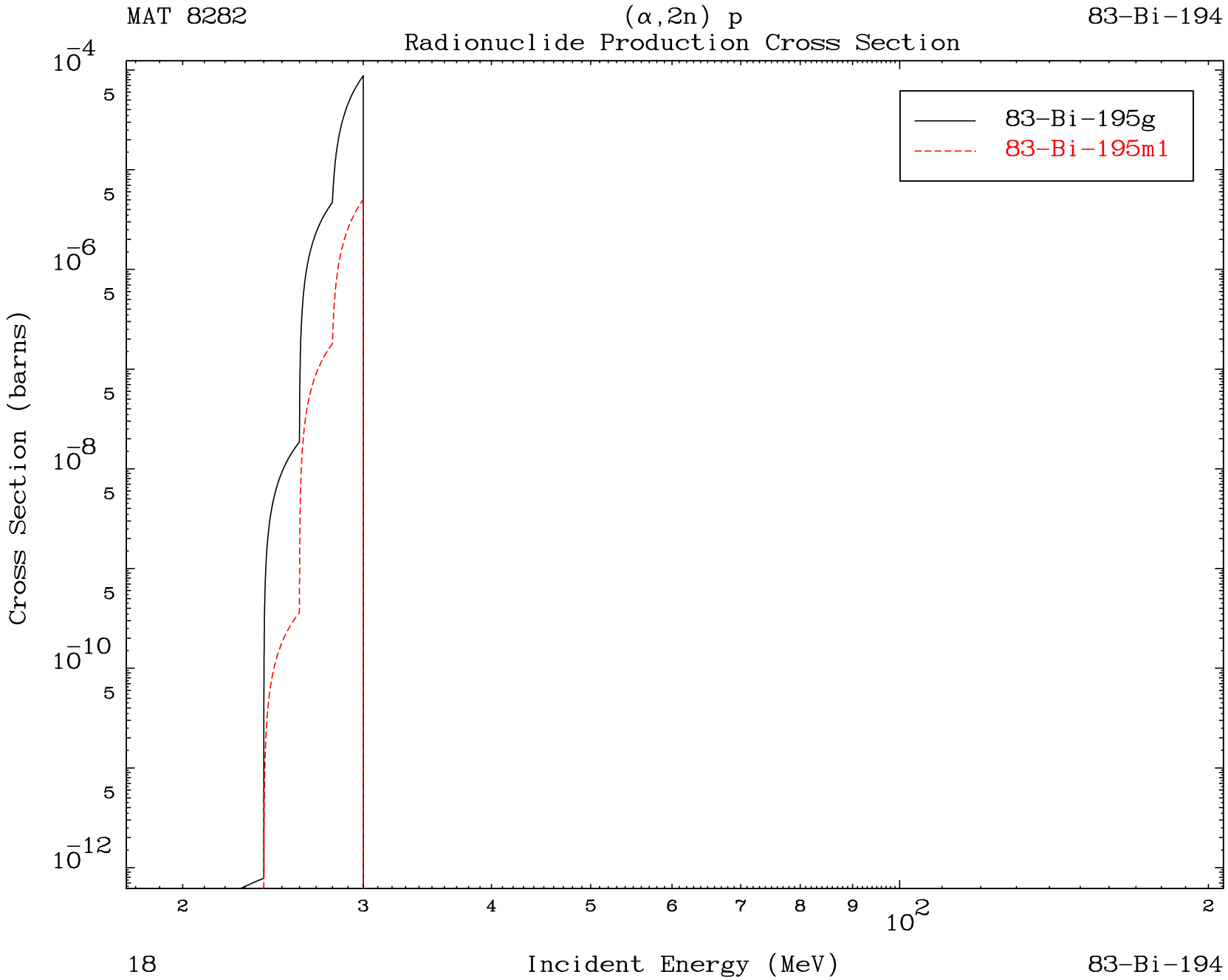

MAT 8282
(α,n') α
83-Bi-194
Radionuclide Production Cross Section
83-Bi-193g
83-Bi-193m1
Cross Section (barns)
10-2
10-4
10-6
10-8
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
13
Incident Energy (MeV)
83-Bi-194

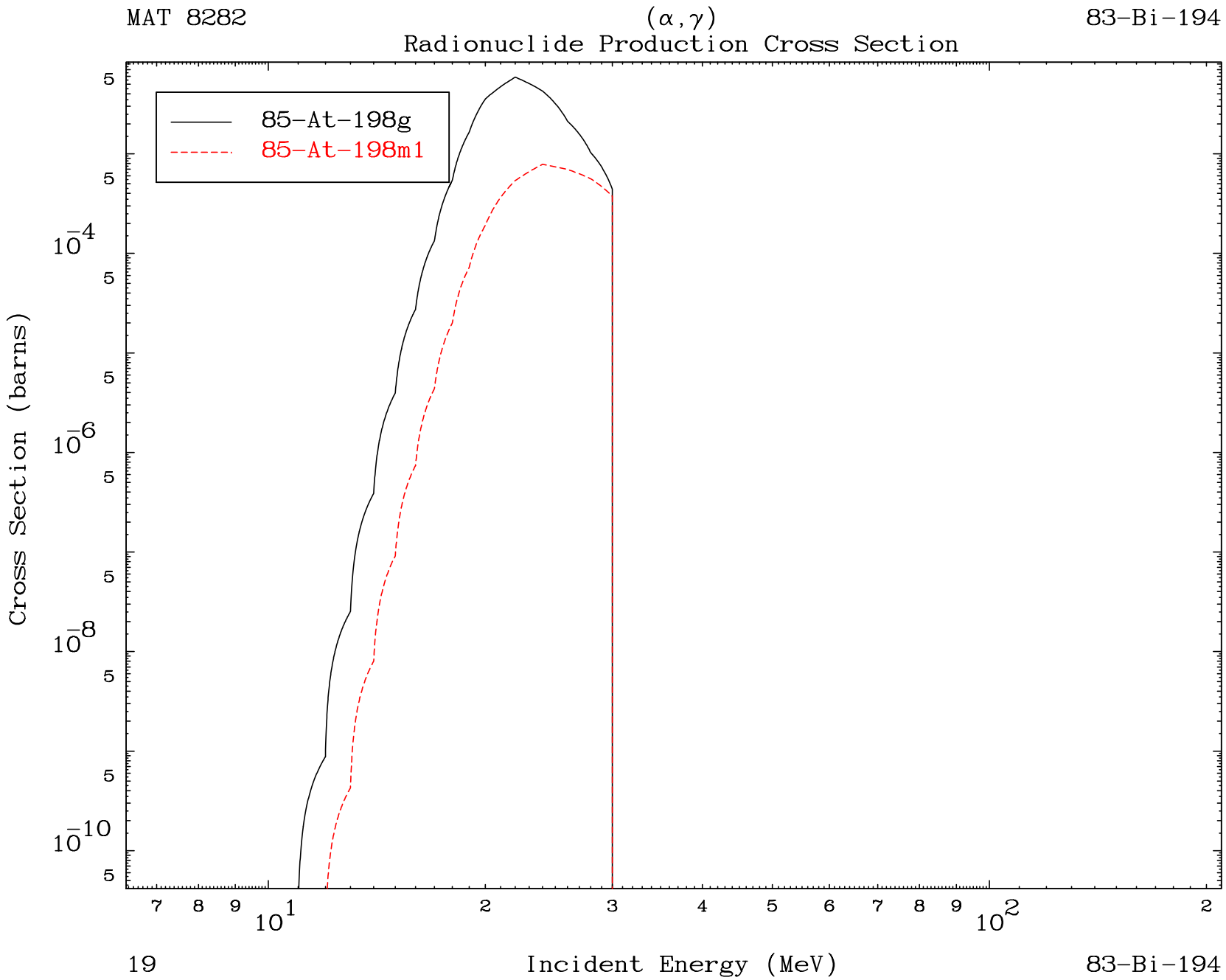

MAT 8282
(α,2n) α
83-Bi-194
Radionuclide Production Cross Section
83-Bi-192g
83-Bi-192m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
14
Incident Energy (MeV)
83-Bi-194

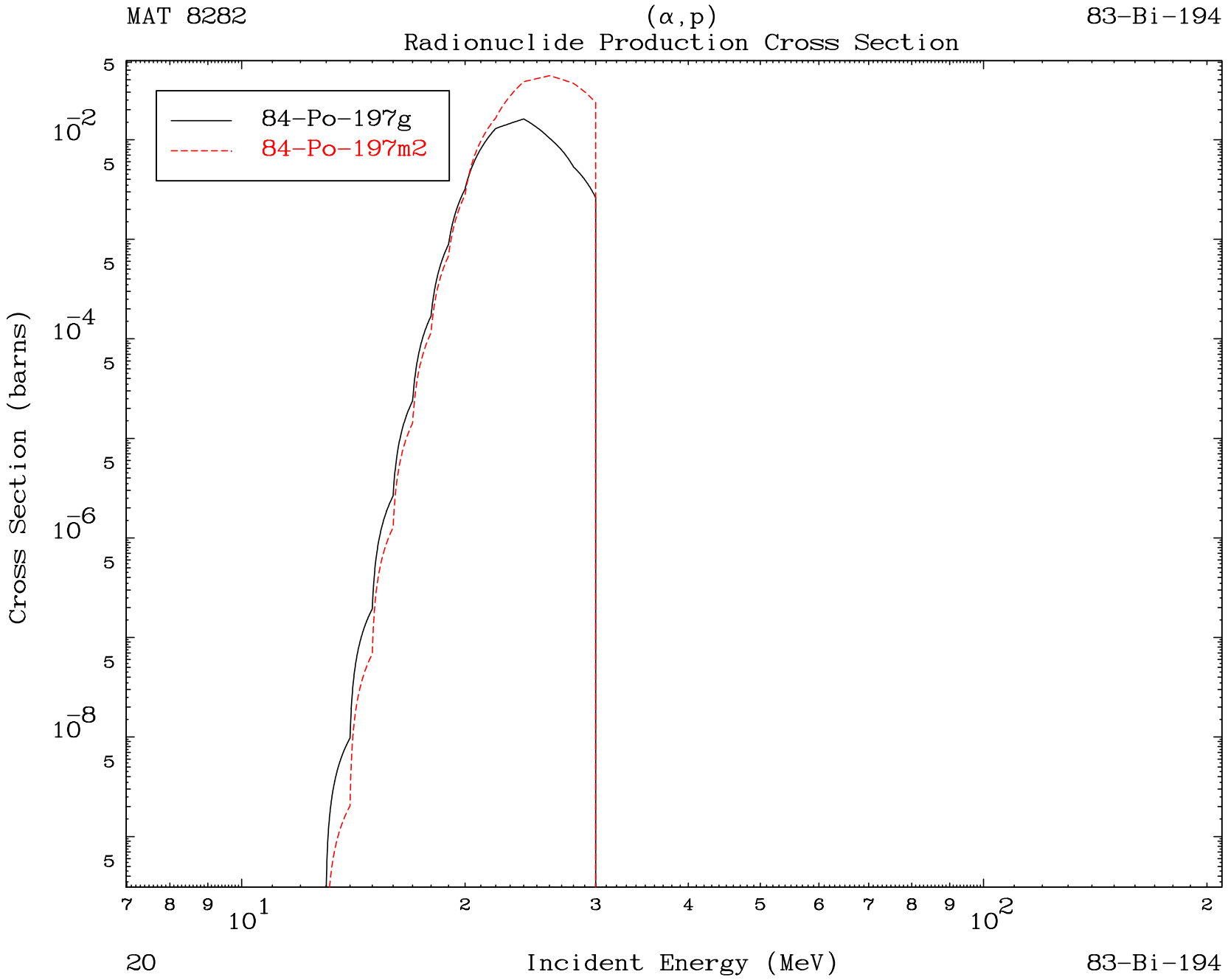

MAT 8282
(α,n') 2α
83-Bi-194
Radionuclide Production Cross Section
81-Tl-189g
81-Tl-189m1
Cross Section (barns)
Incident Energy (MeV)
15
83-Bi-194

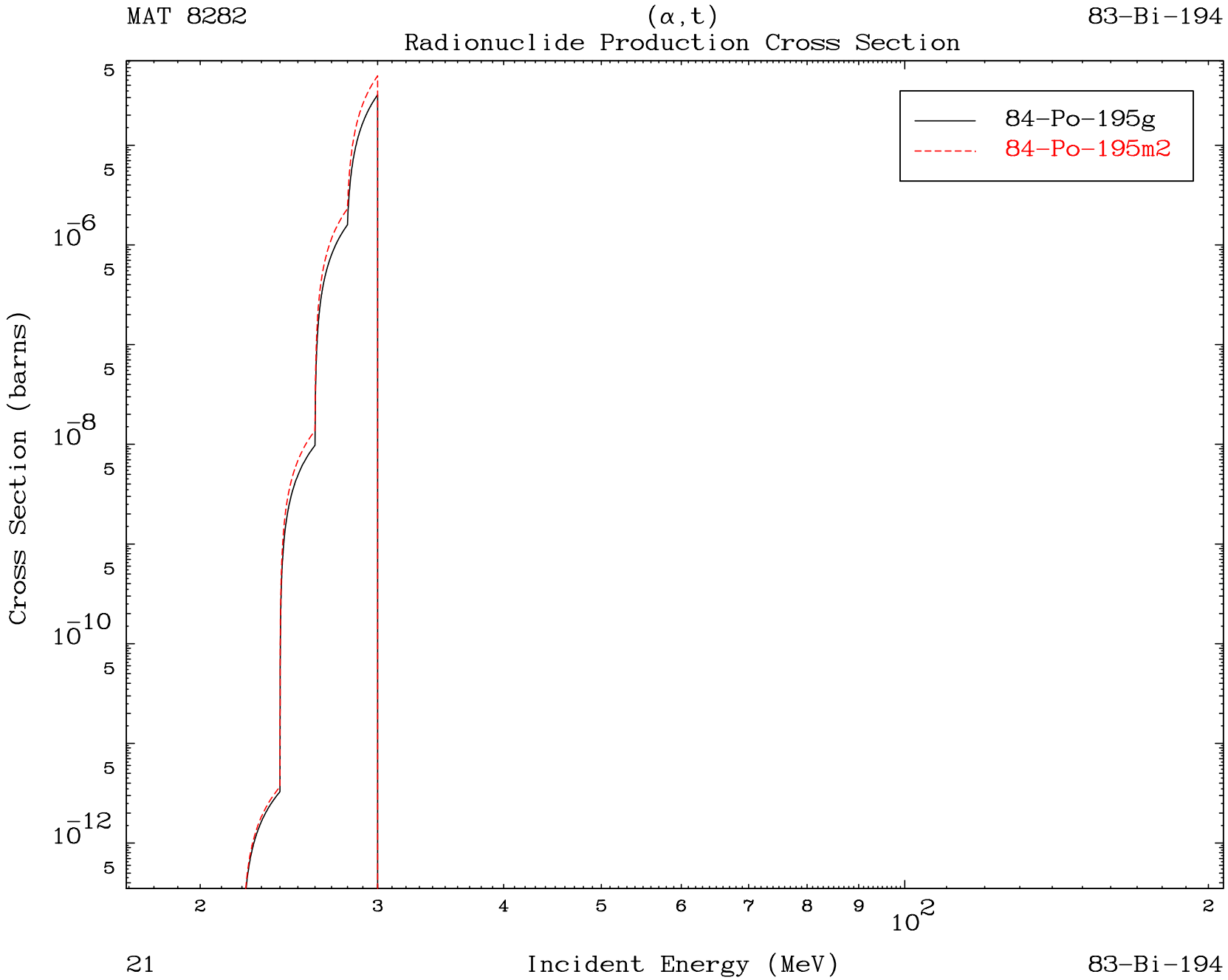

MAT 8282
(α,n') d
83-Bi-194
Radionuclide Production Cross Section
84-Po-195g
84-Po-195m2
Cross Section (barns)
10^-9
10^-10
10^-11
10^-12
8
6
4
2
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
83-Bi-194

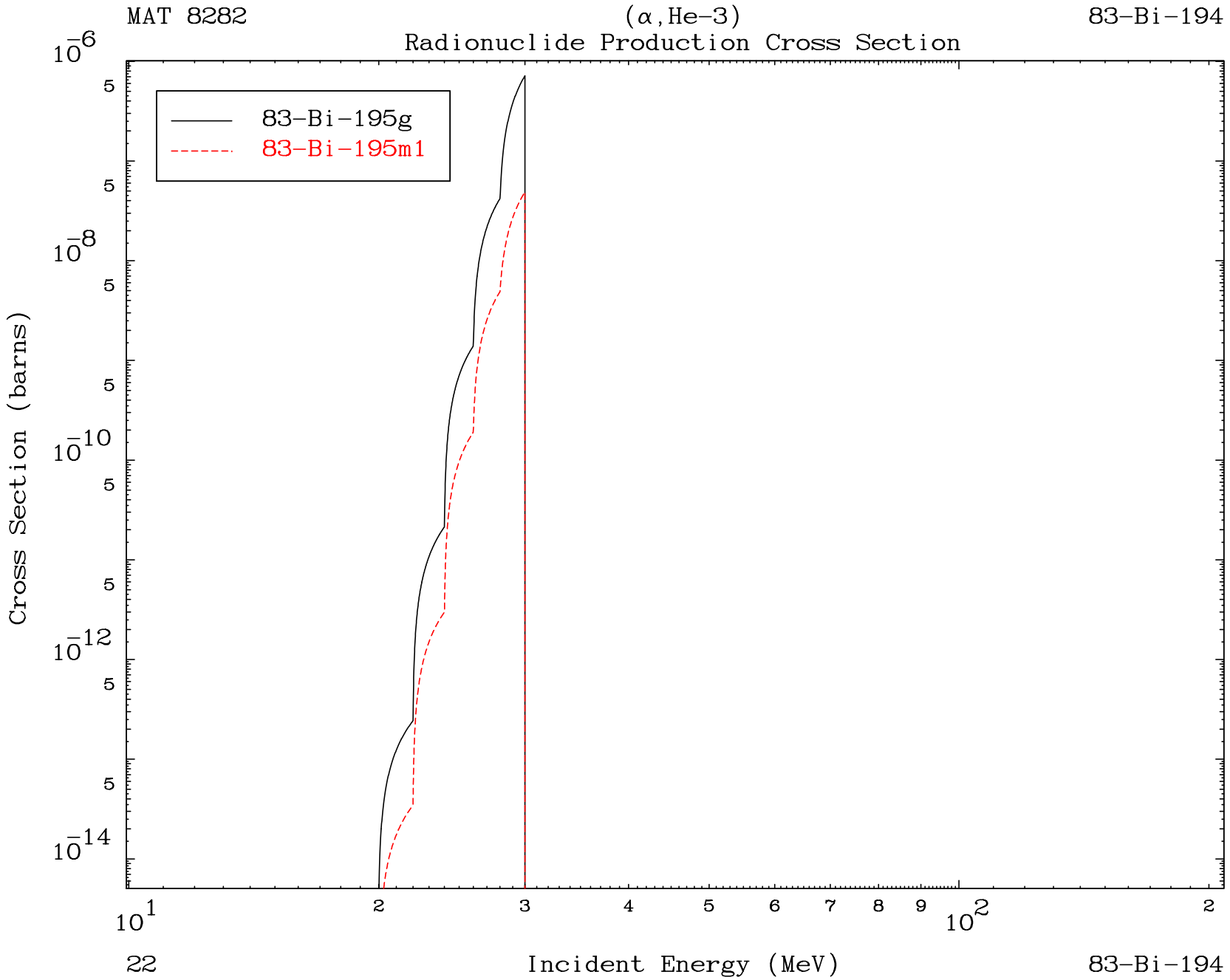

MAT 8282
(α,2n) p
83-Bi-194
Radionuclide Production Cross Section
84-Po-195g
84-Po-195m2
Cross Section (barns)
Incident Energy (MeV)
17
83-Bi-194

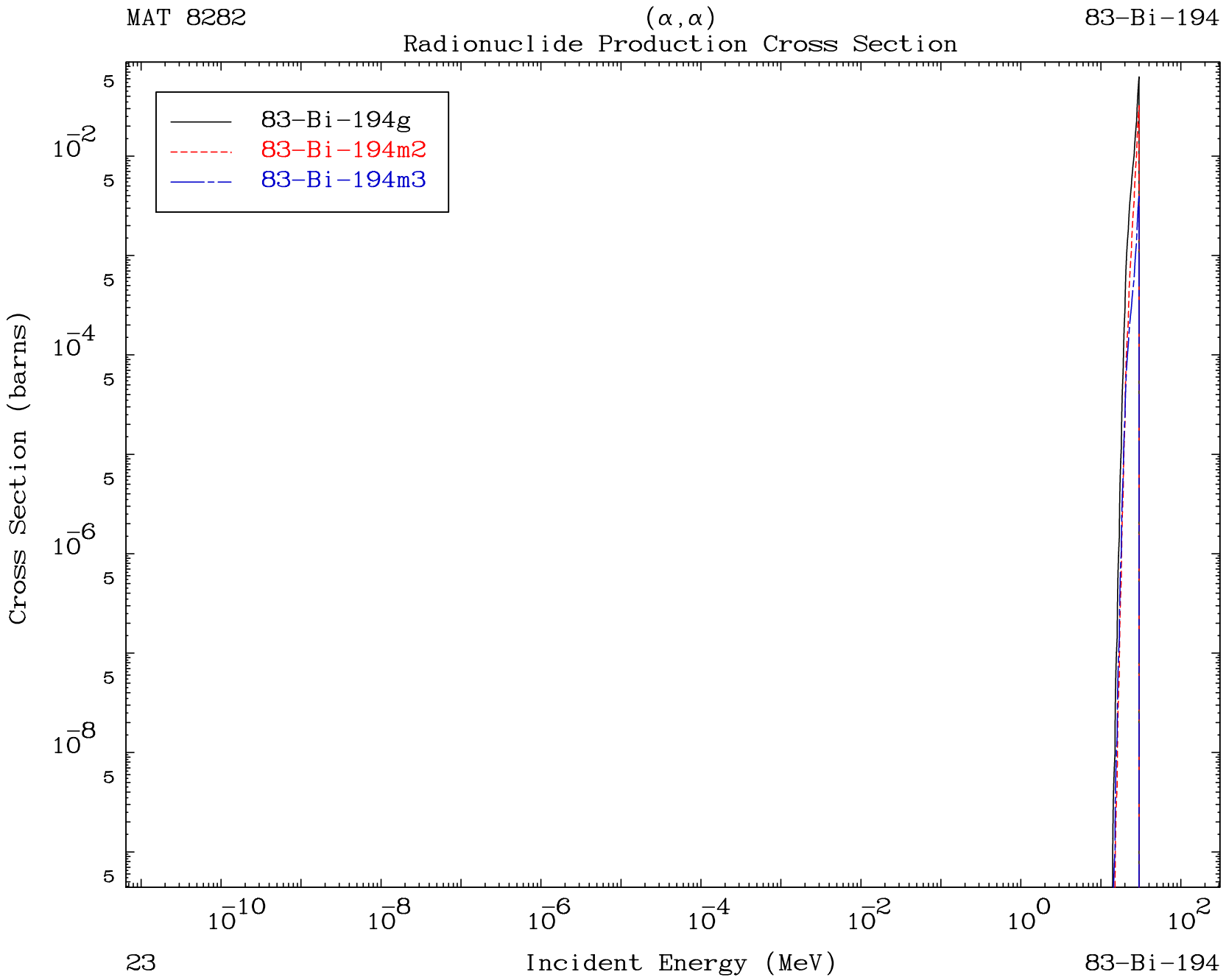

MAT 8282
(α,2n) p
83-Bi-194
Radionuclide Production Cross Section
83-Bi-195g
83-Bi-195m1
Cross Section (barns)
Incident Energy (MeV)
18
83-Bi-194

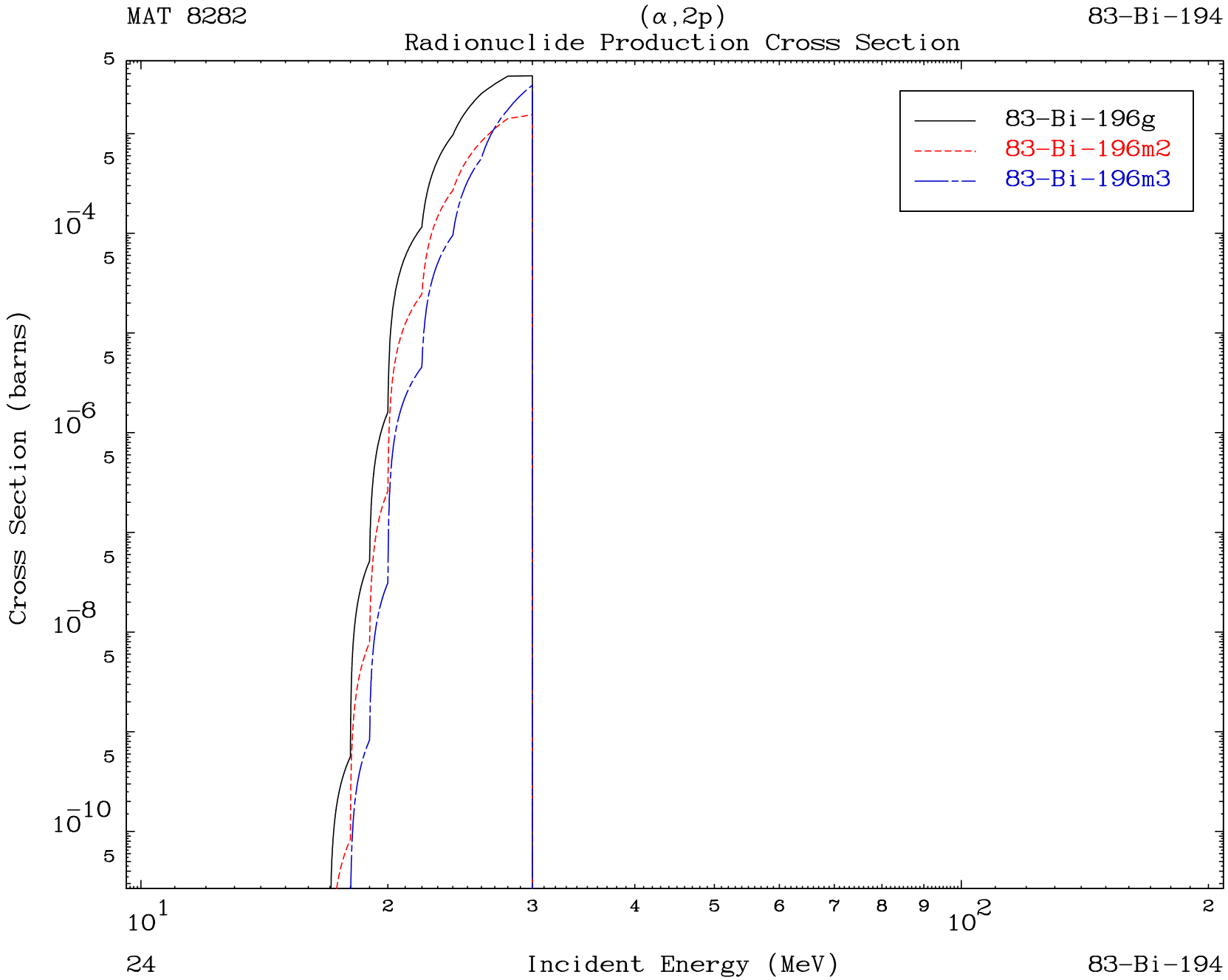

MAT 8282
(α,γ)
83-Bi-194
Radionuclide Production Cross Section
85-At-198g
85-At-198m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
19
Incident Energy (MeV)
83-Bi-194

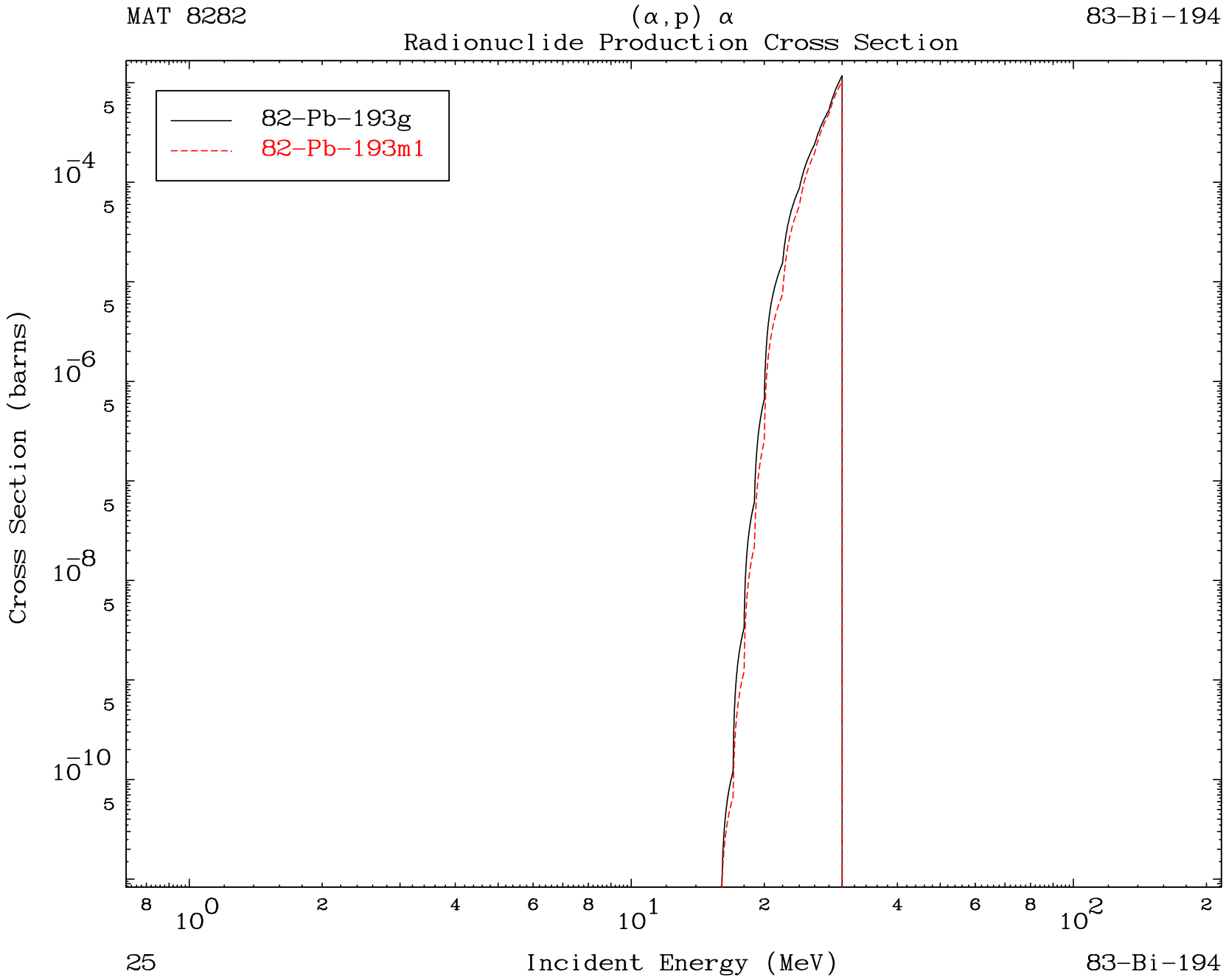

MAT 8282
(α,p)
83-Bi-194
Radionuclide Production Cross Section
84-Po-197g
84-Po-197m2
Cross Section (barns)
Incident Energy (MeV)
20
83-Bi-194

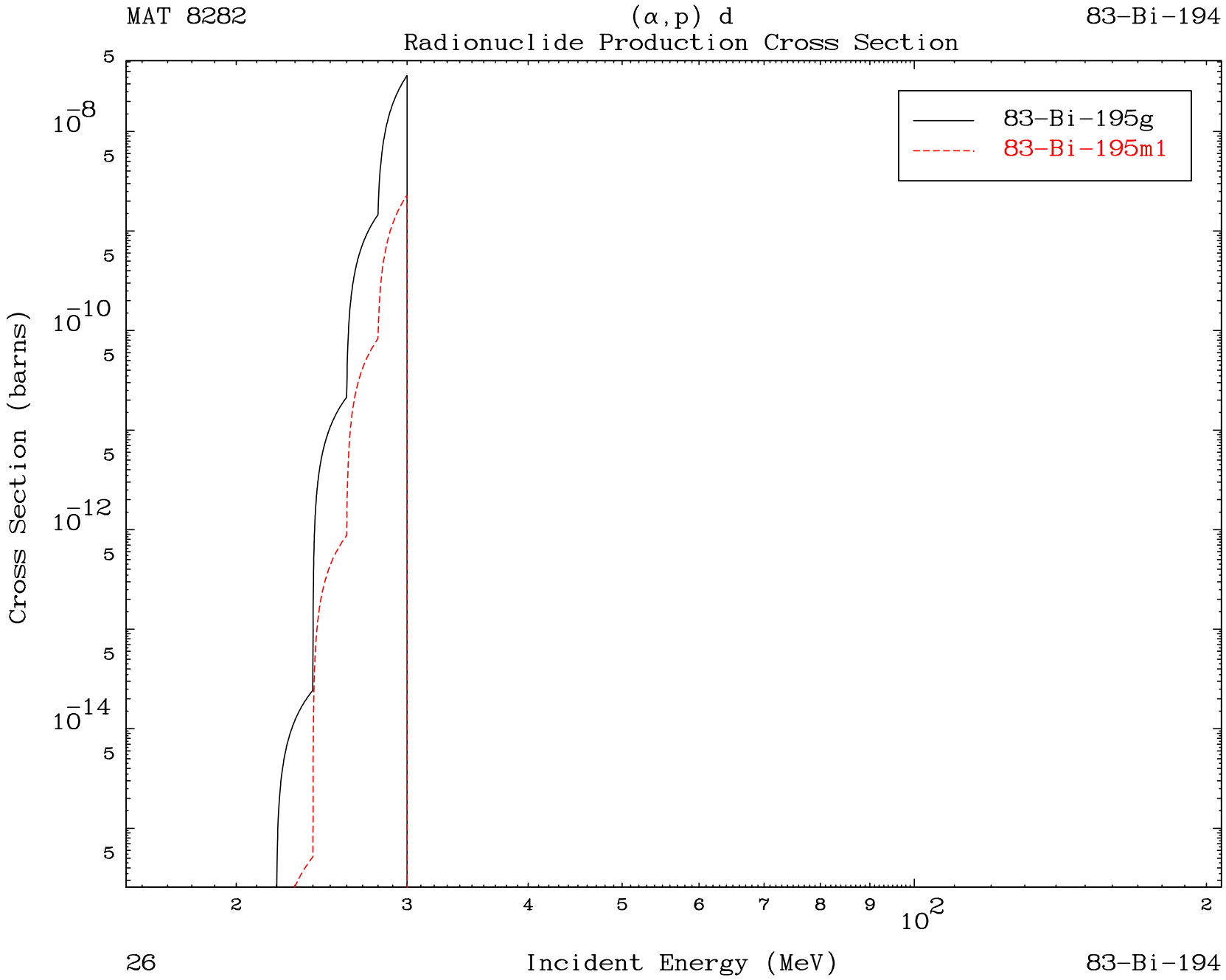

MAT 8282
(α,t)
83-Bi-194
Radionuclide Production Cross Section
84-Po-195g
84-Po-195m2
Cross Section (barns)
Incident Energy (MeV)
21
83-Bi-194


MAT 8282
(α,He-3)
83-Bi-194
Radionuclide Production Cross Section
83-Bi-195g
83-Bi-195m1
Cross Section (barns)
Incident Energy (MeV)
22
83-Bi-194


MAT 8282
(α,α)
83-Bi-194
Radionuclide Production Cross Section
83-Bi-194g
83-Bi-194m2
83-Bi-194m3
Cross Section (barns)
Incident Energy (MeV)
23
83-Bi-194


MAT 8282
(α,2p)
83-Bi-194
Radionuclide Production Cross Section
83-Bi-196g
83-Bi-196m2
83-Bi-196m3
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
24
83-Bi-194


MAT 8282
(α,p) α
83-Bi-194
Radionuclide Production Cross Section
82-Pb-193g
82-Pb-193m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
25
83-Bi-194


MAT 8282
(α,p) d
83-Bi-194
Radionuclide Production Cross Section
83-Bi-195g
83-Bi-195m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
26
Incident Energy (MeV)
83-Bi-194