Program EVALPLOT
(Version 2021-1)
by
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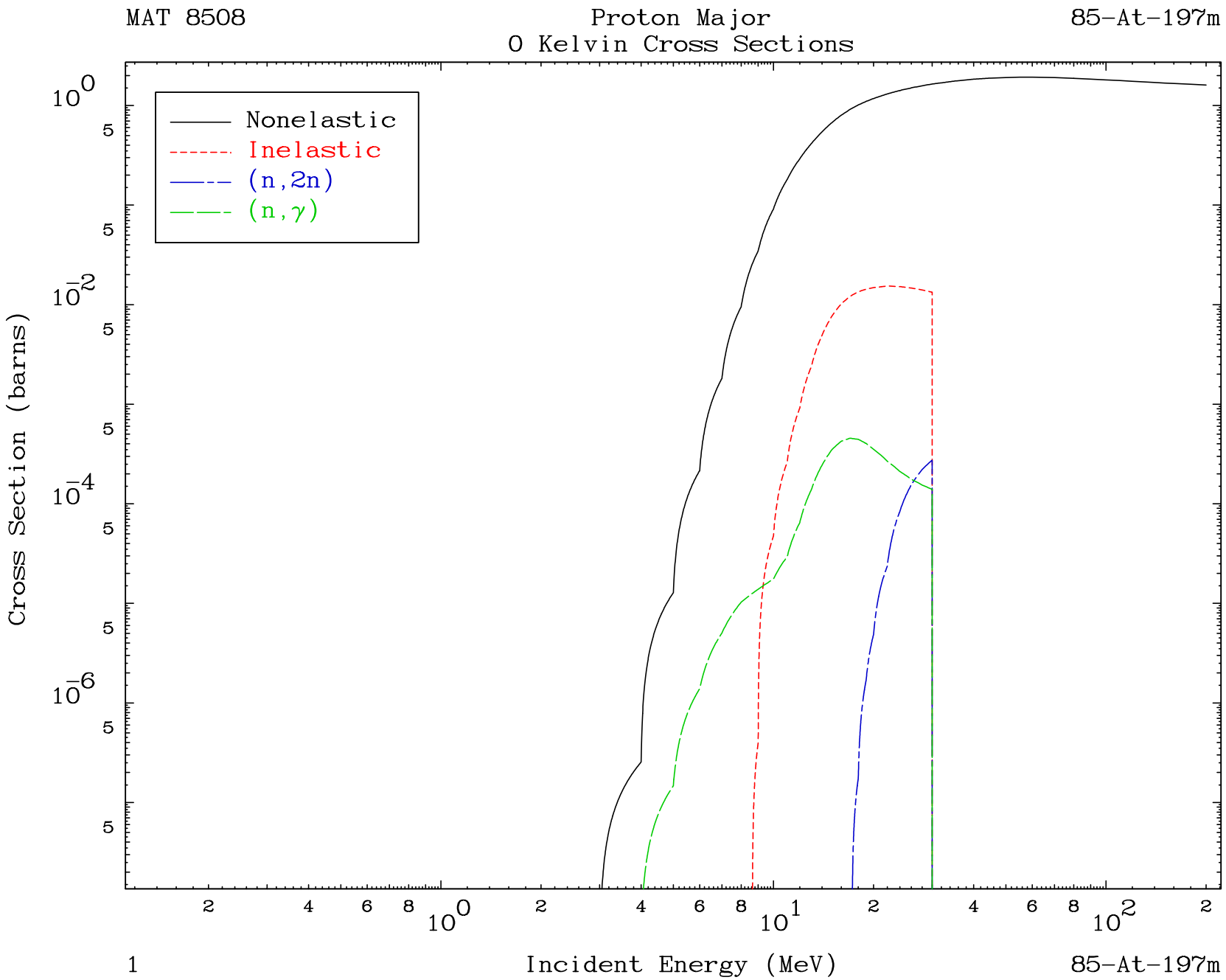
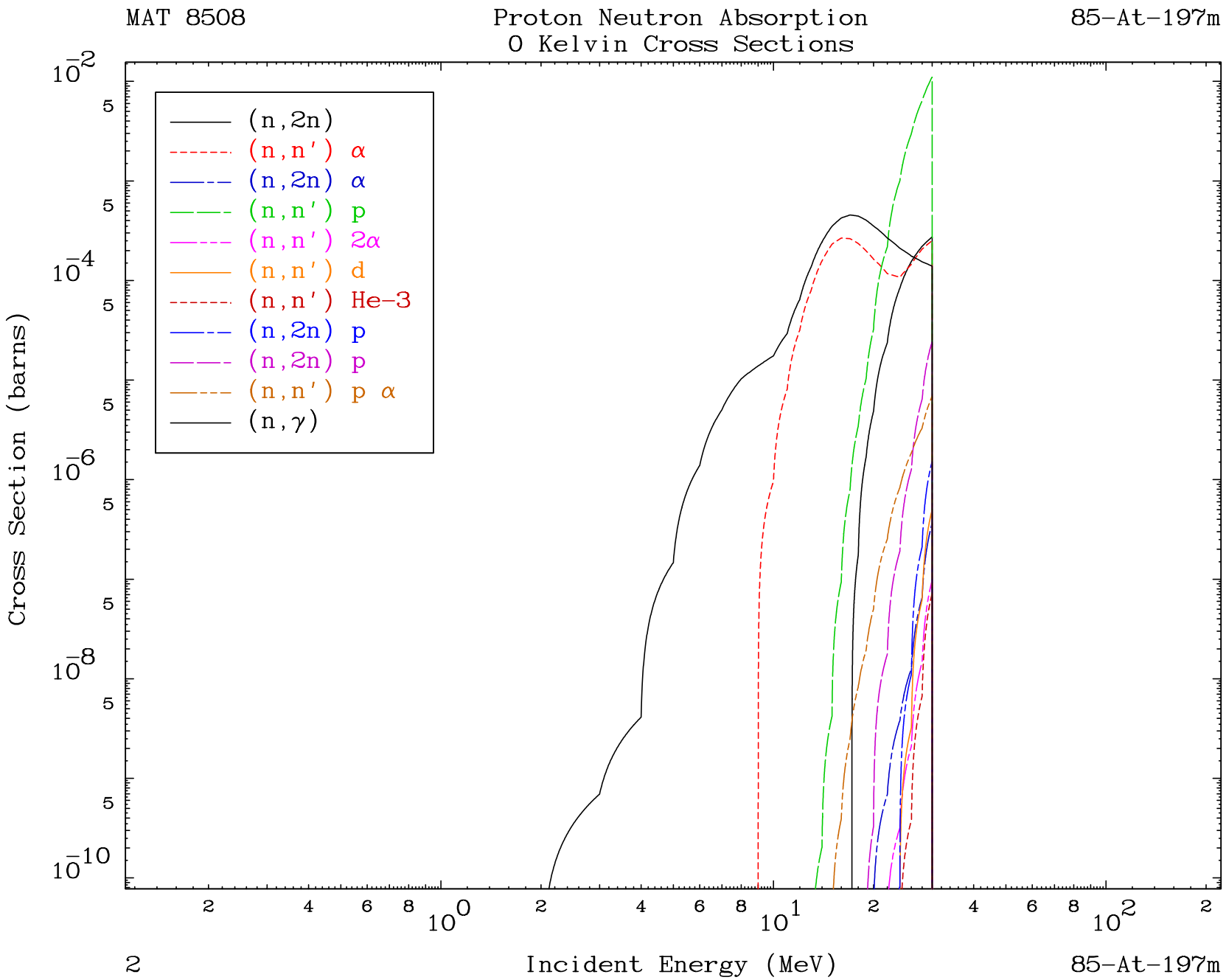
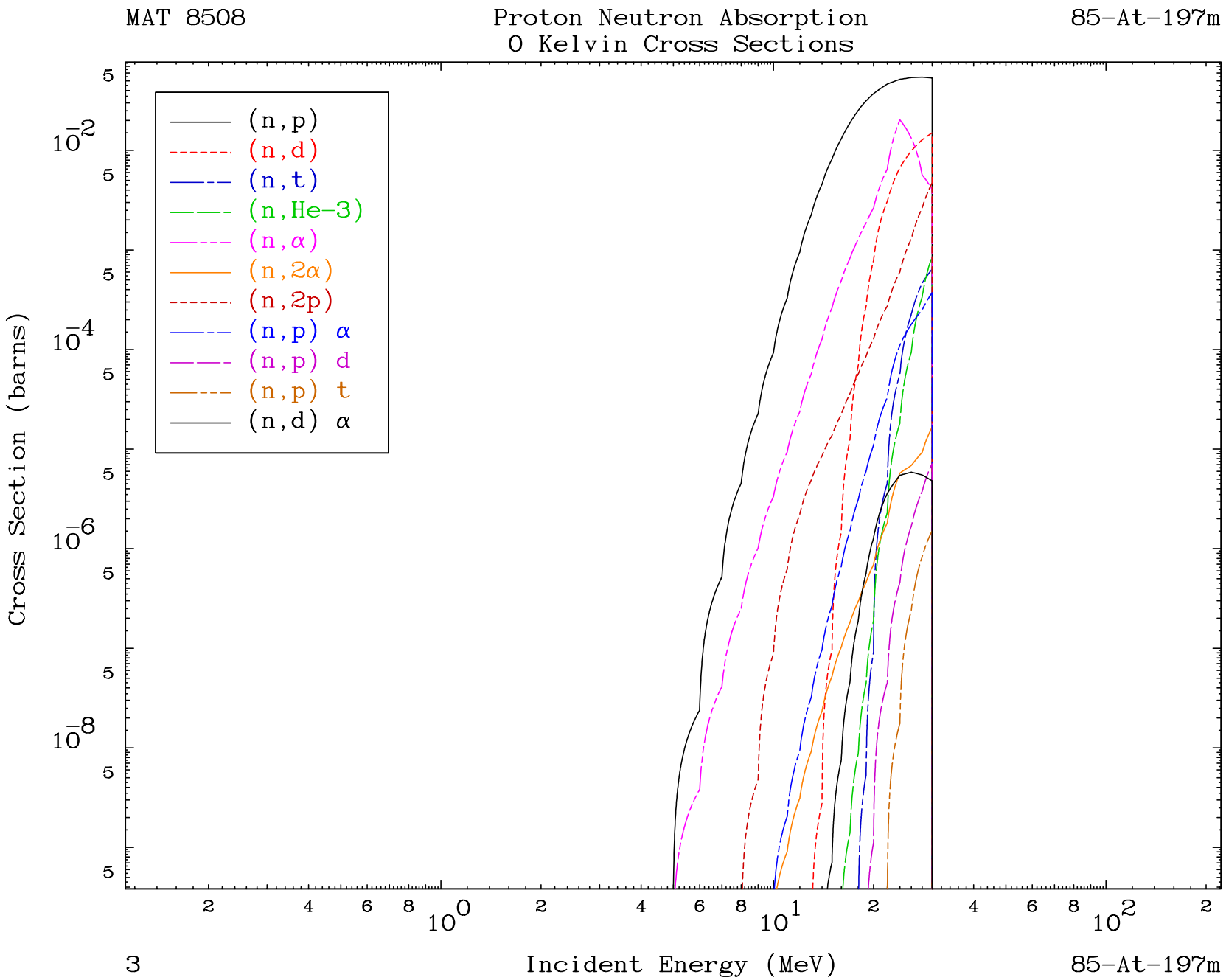
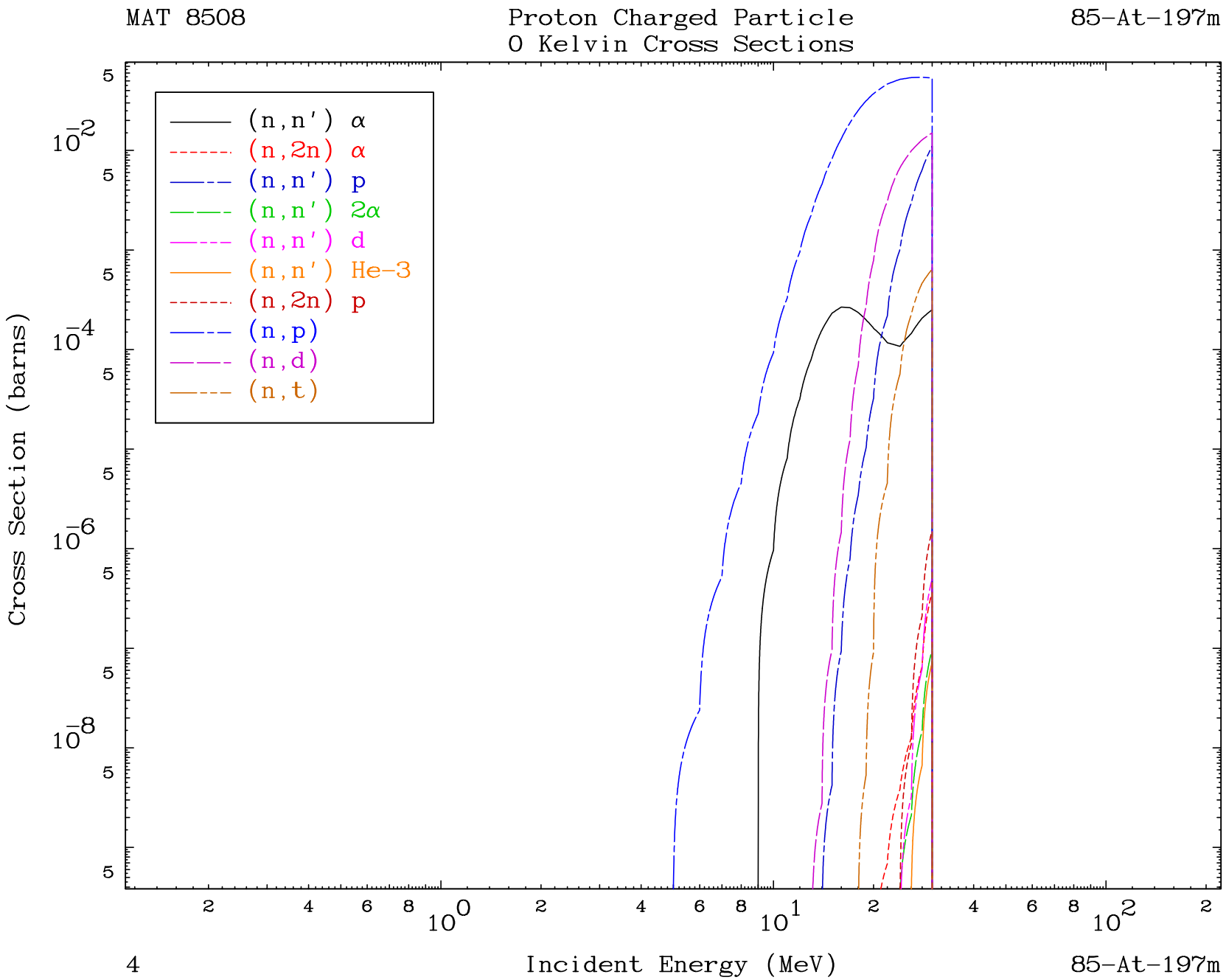
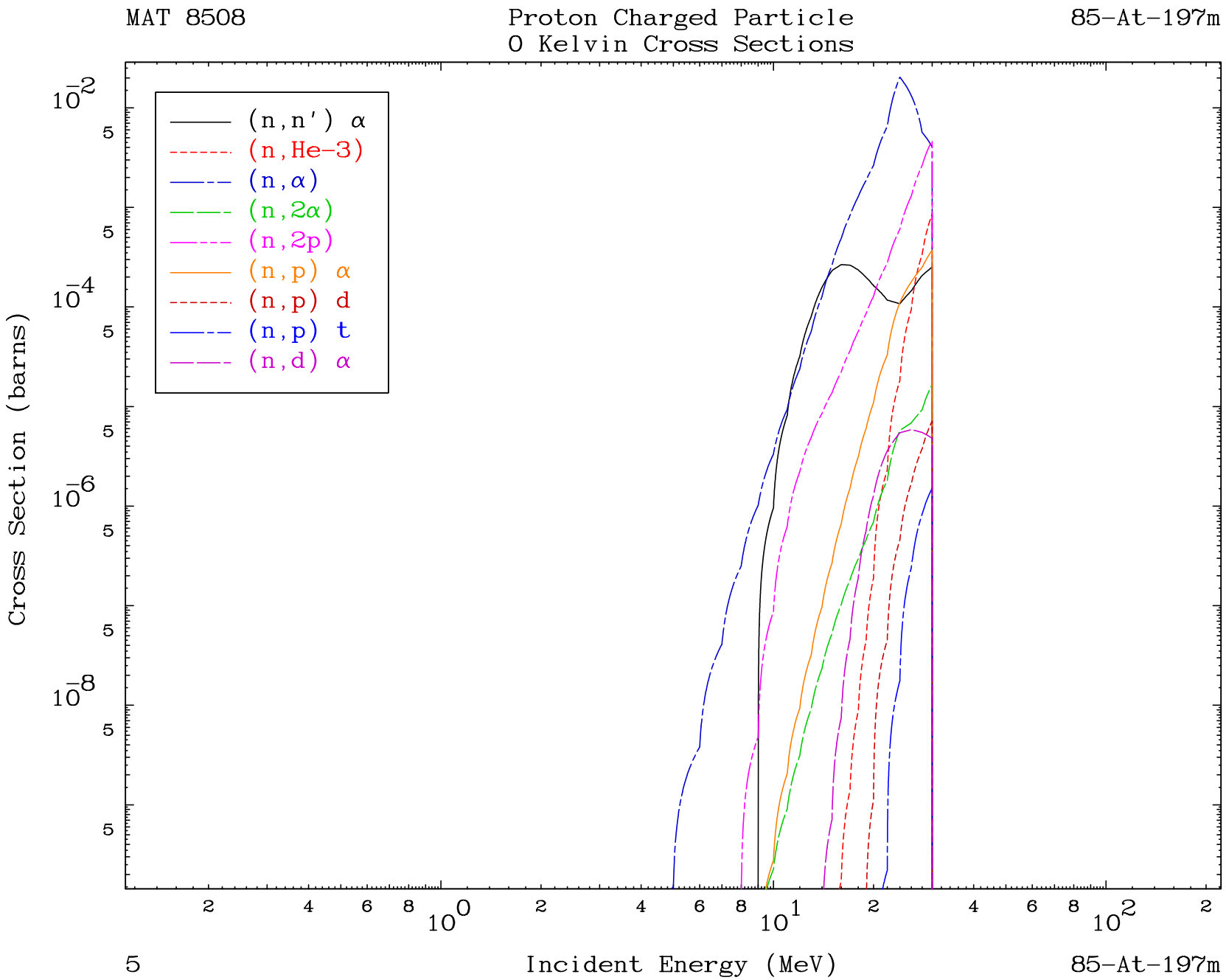
Press Mouse Button to Start

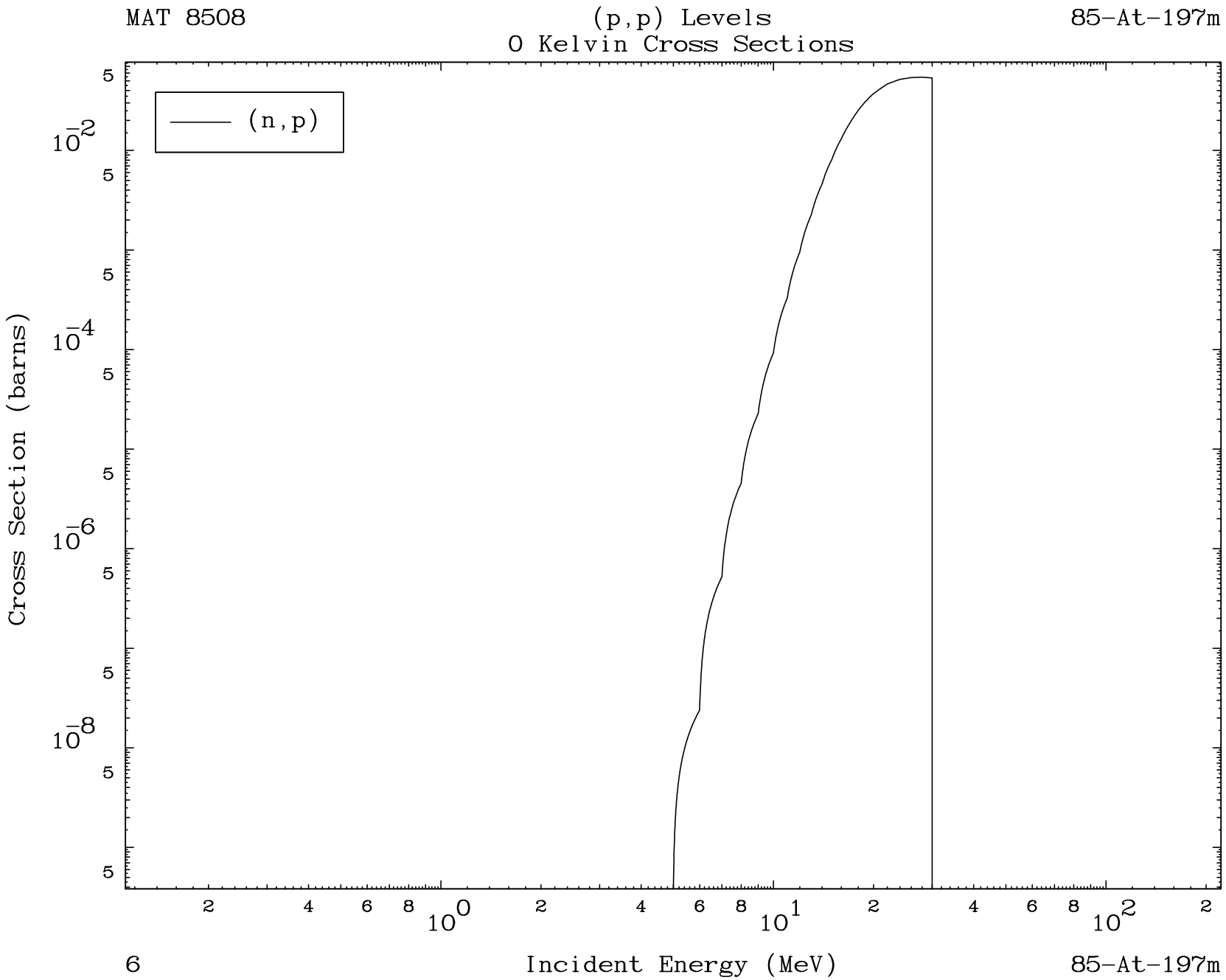

MAT 8508
Proton Major
85-At-197m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
85-At-197m
1

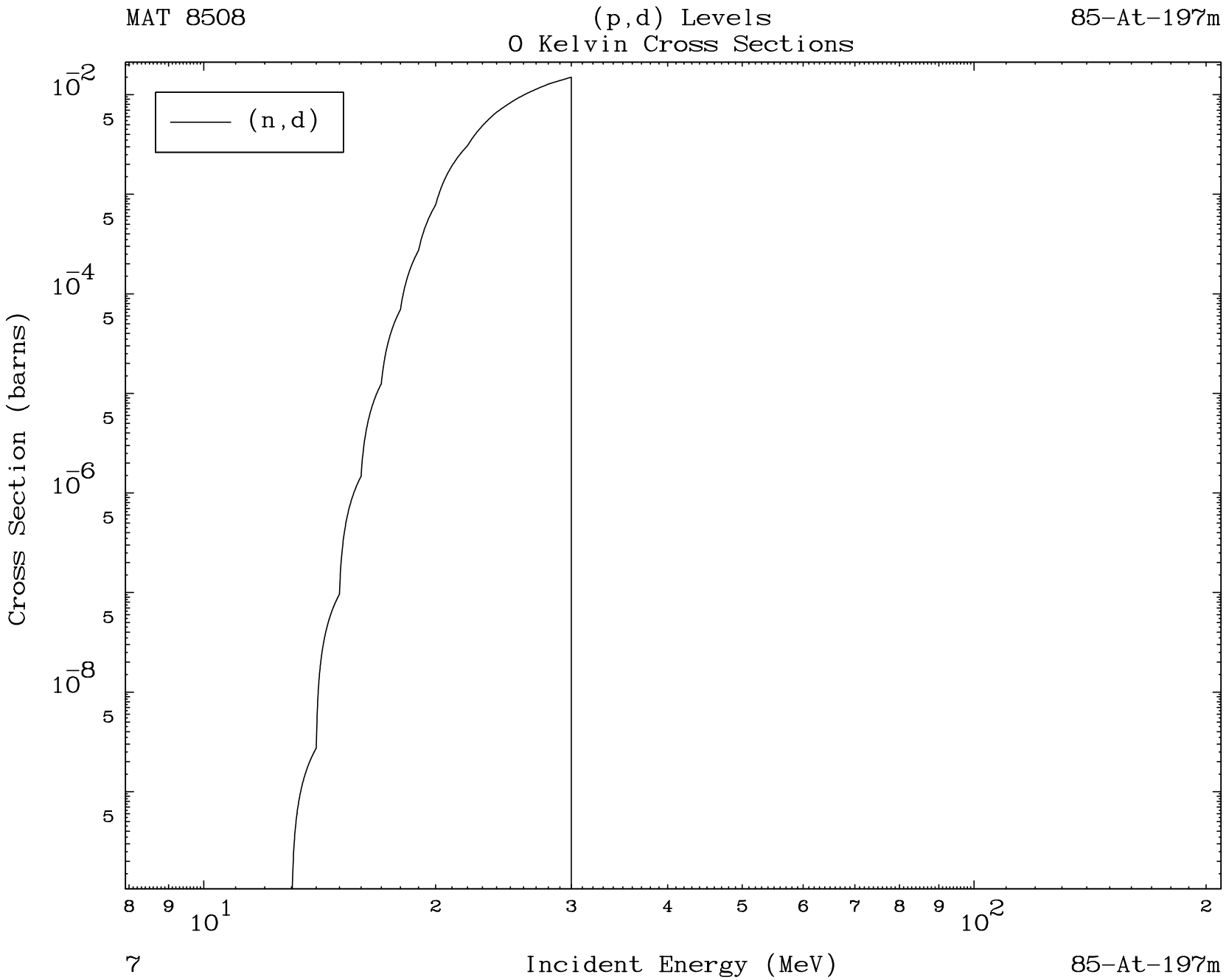

MAT 8508
Proton Neutron Absorption
0 Kelvin Cross Sections
85-At-197m
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
85-At-197m

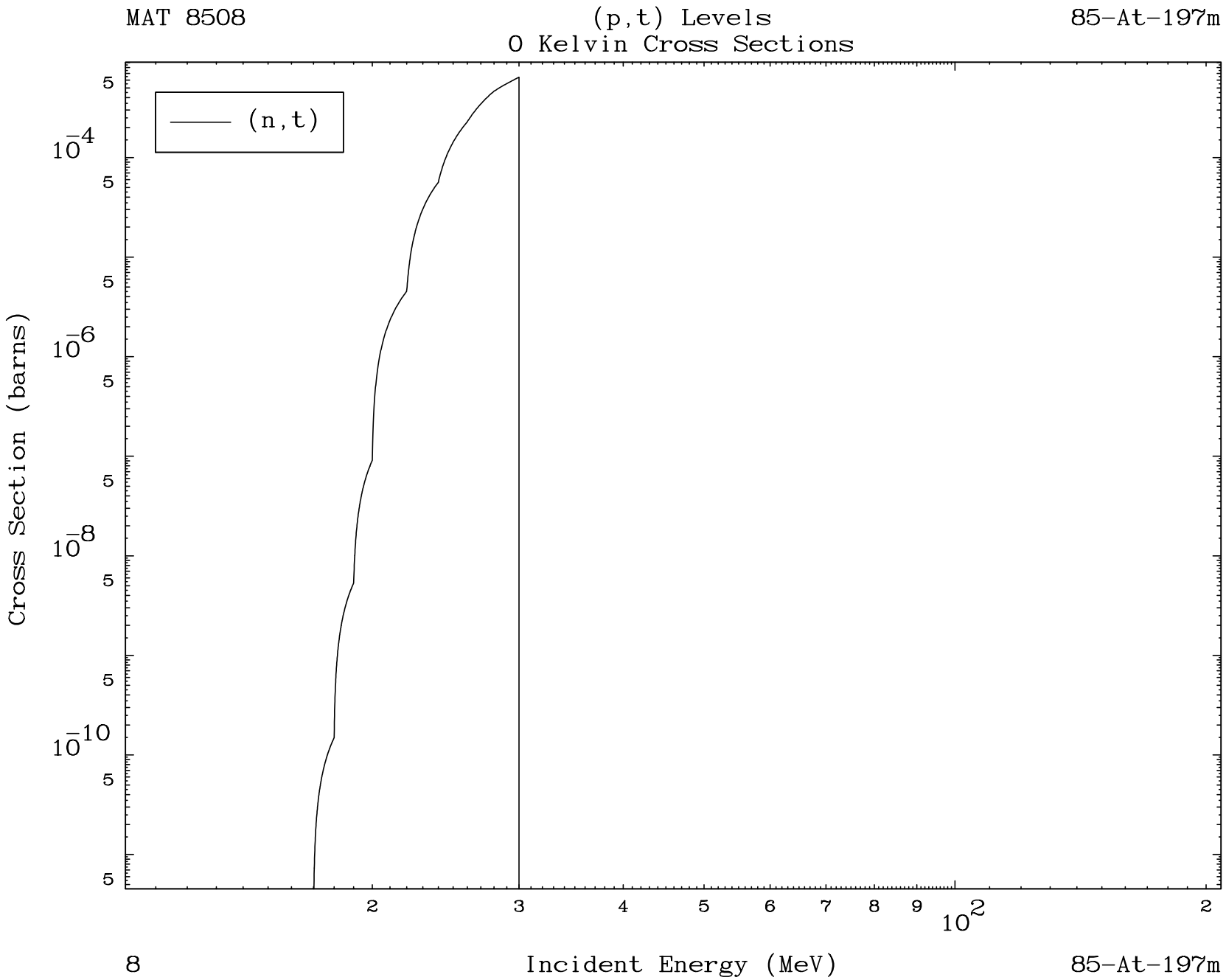

MAT 8508
Proton Neutron Absorption
0 Kelvin Cross Sections
85-At-197m
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
85-At-197m

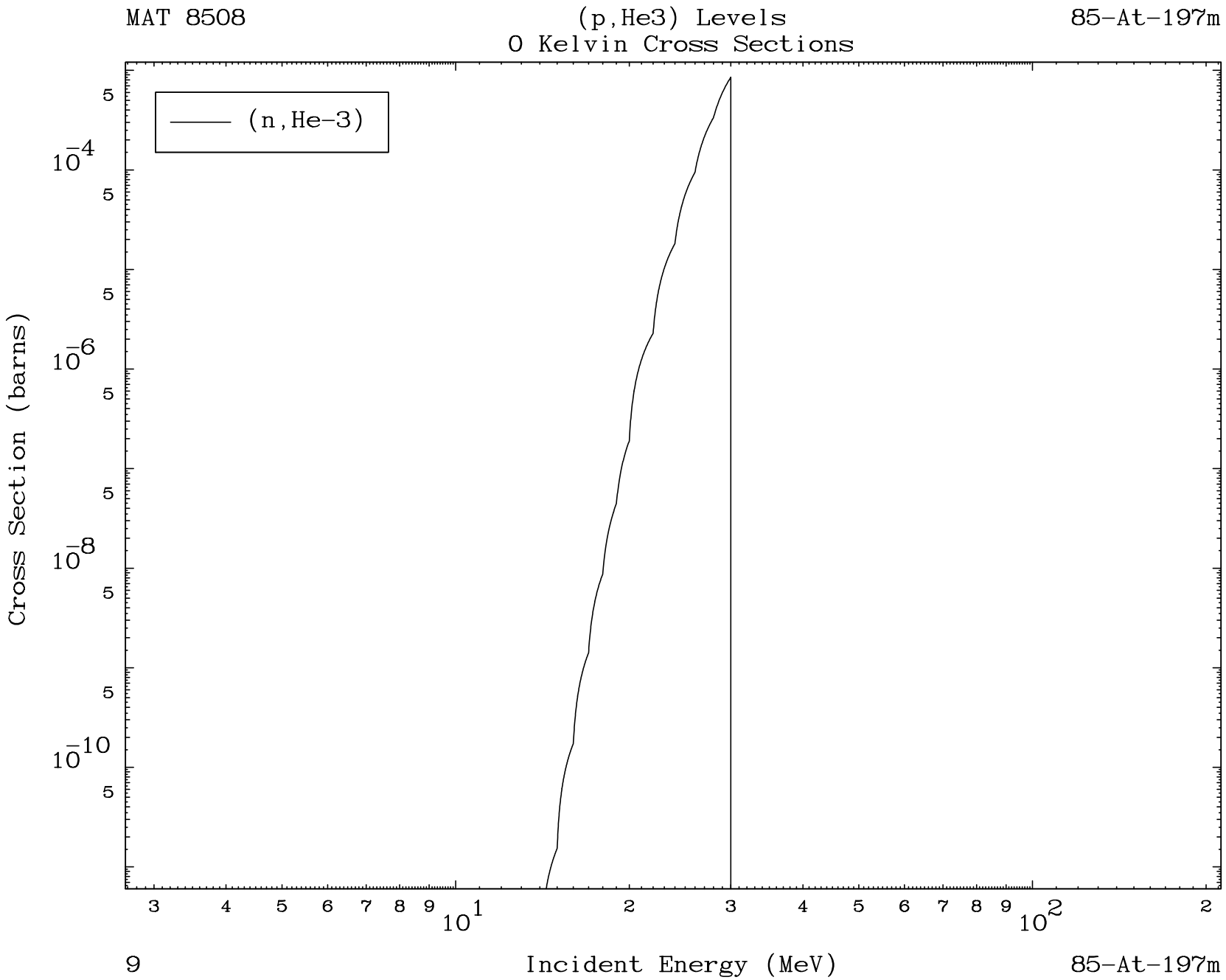

MAT 8508
Proton Charged Particle
0 Kelvin Cross Sections
85-At-197m
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
4
85-At-197m

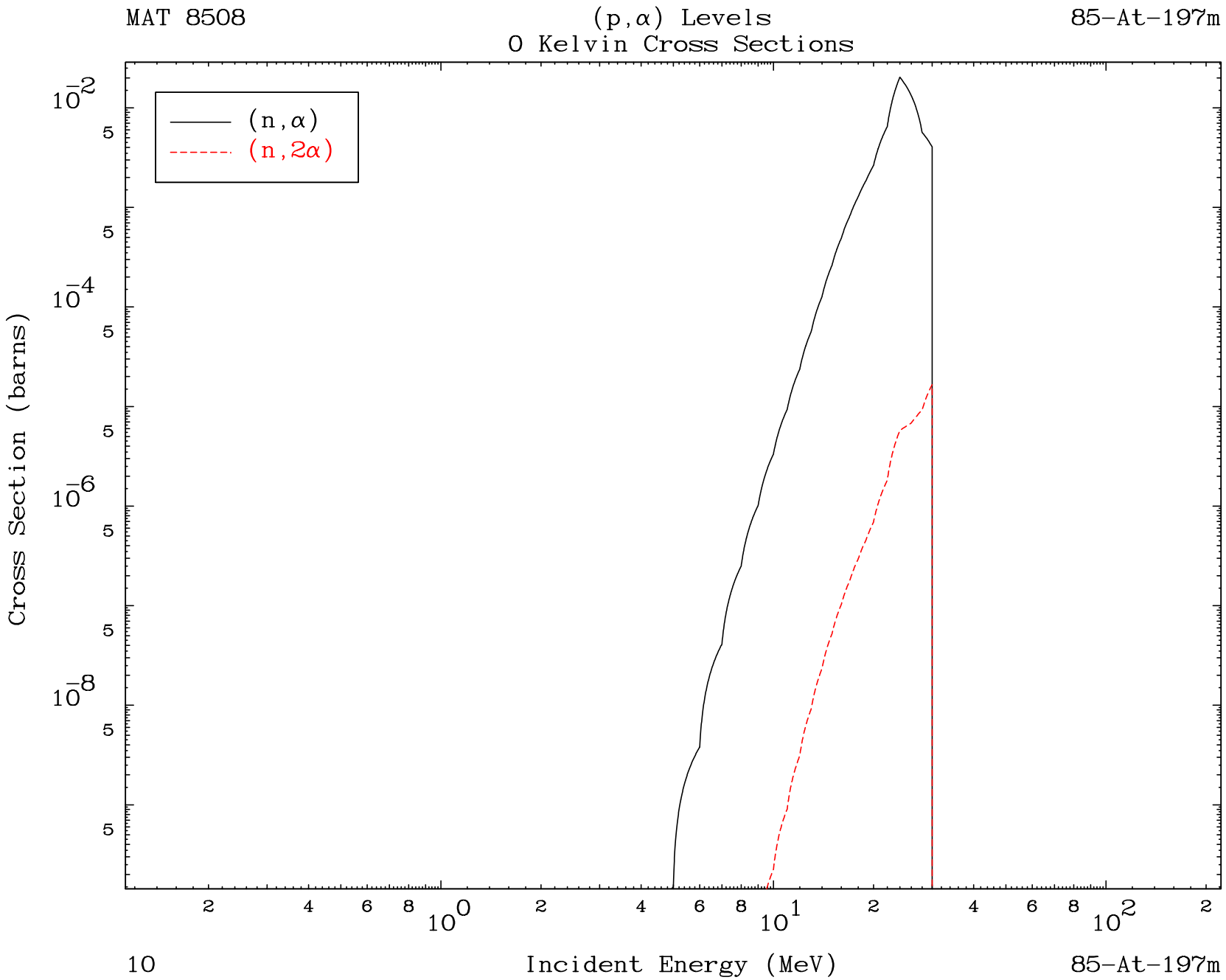

MAT 8508
Proton Charged Particle
0 Kelvin Cross Sections
85-At-197m
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
85-At-197m

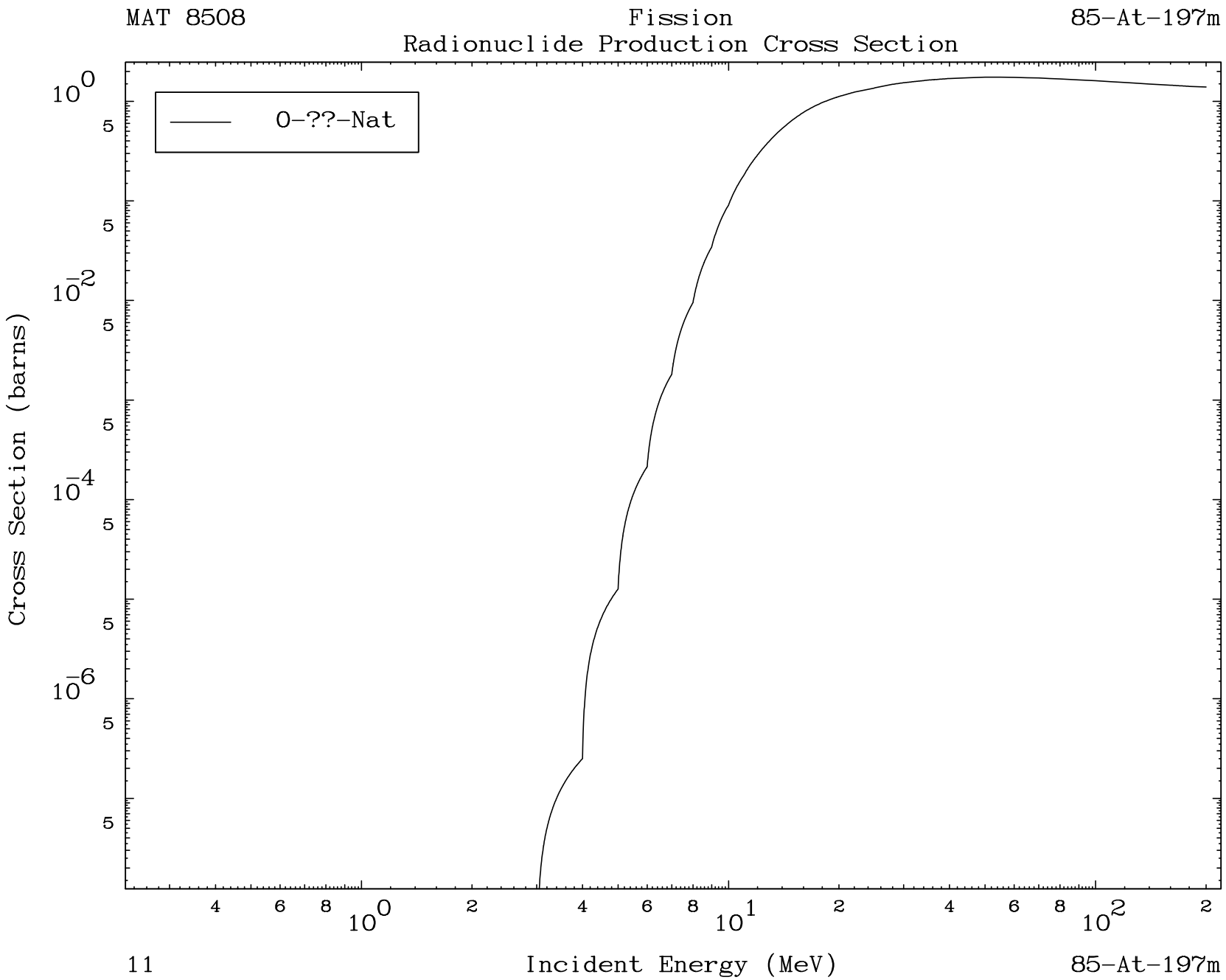

MAT 8508
(p,p) Levels
85-At-197m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
6
85-At-197m

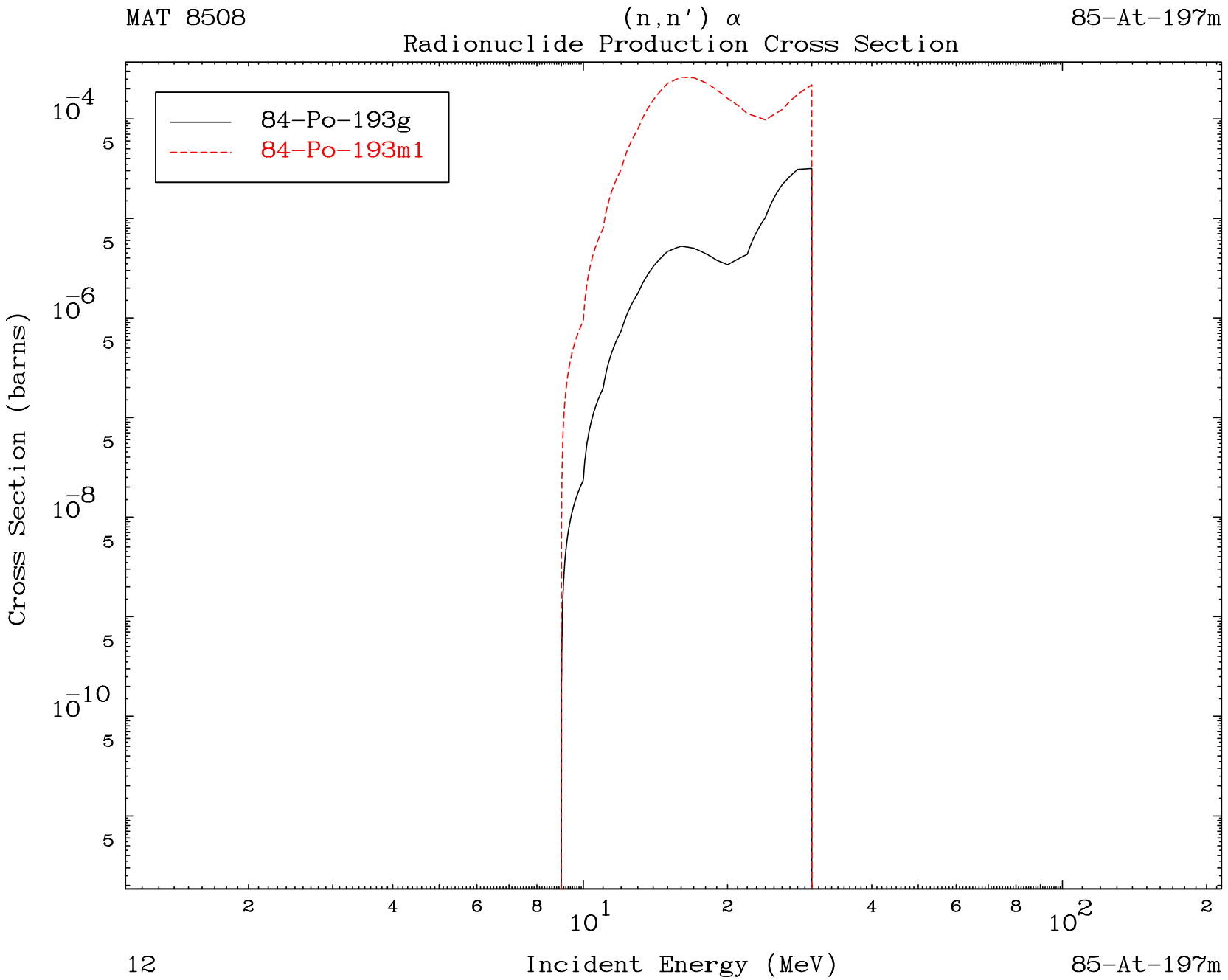

MAT 8508
(p,d) Levels
85-At-197m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
10 1
10 2
7
85-At-197m

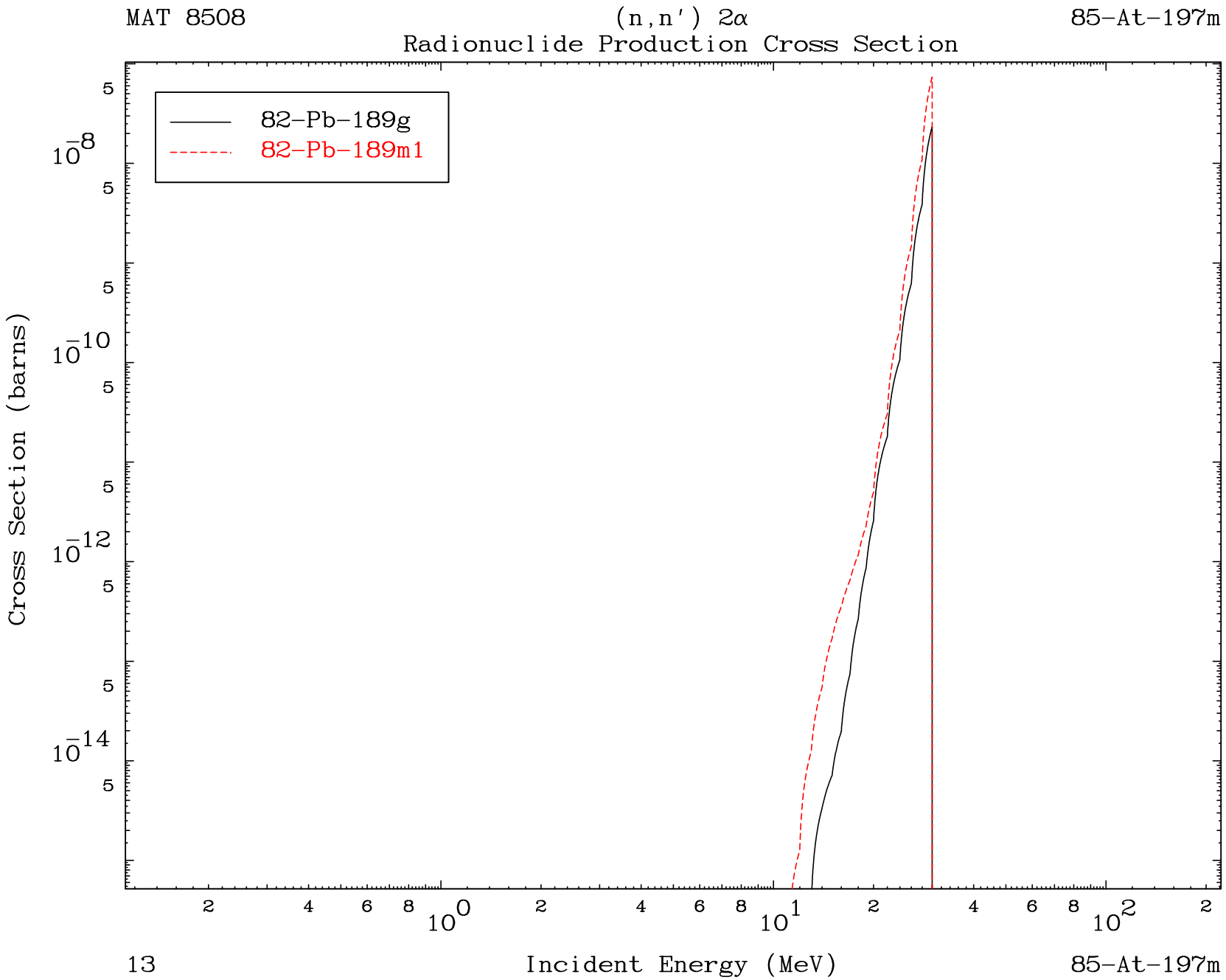

MAT 8508
(p,t) Levels
85-At-197m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
8
85-At-197m

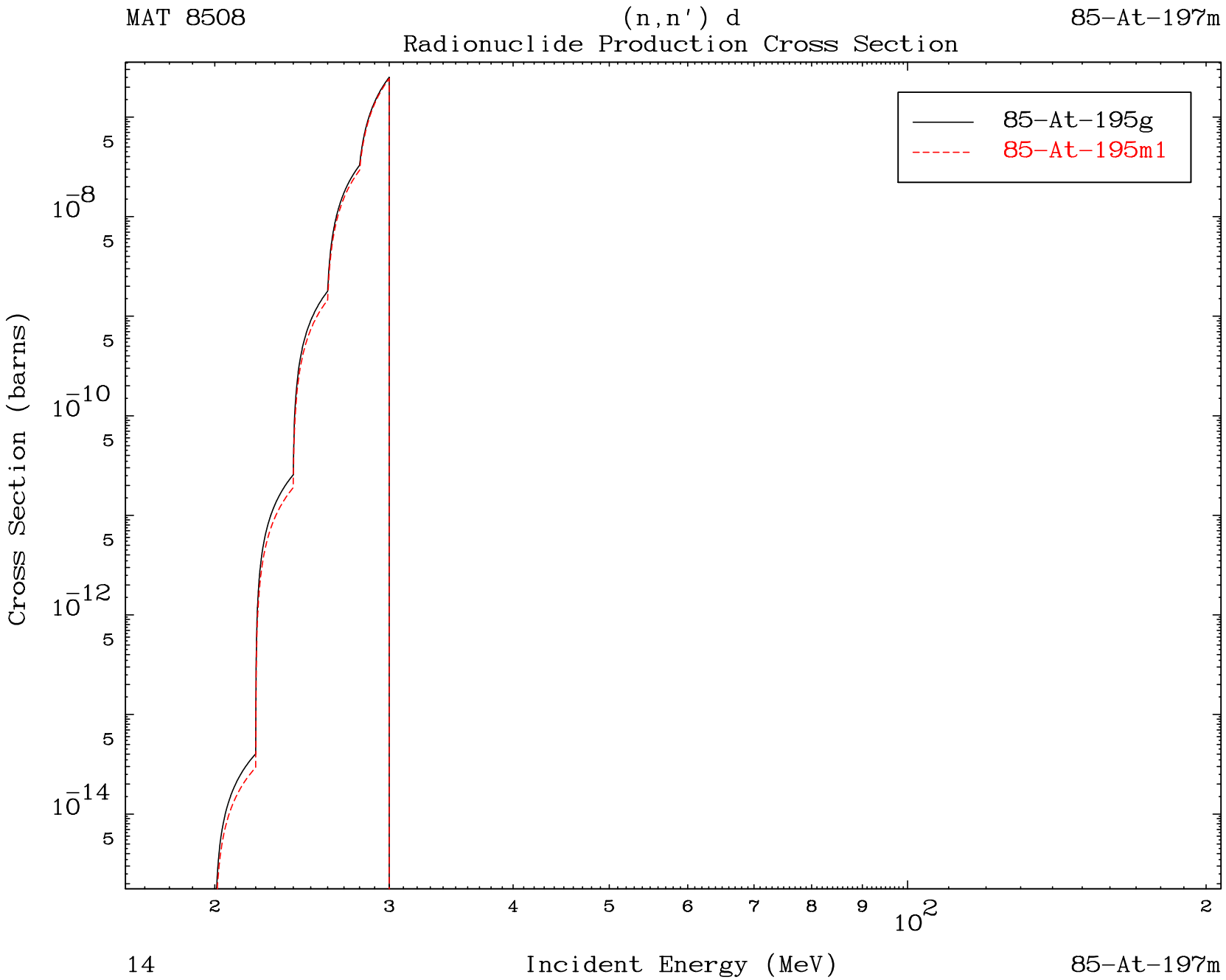

MAT 8508
(p,He3) Levels
85-At-197m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
85-At-197m

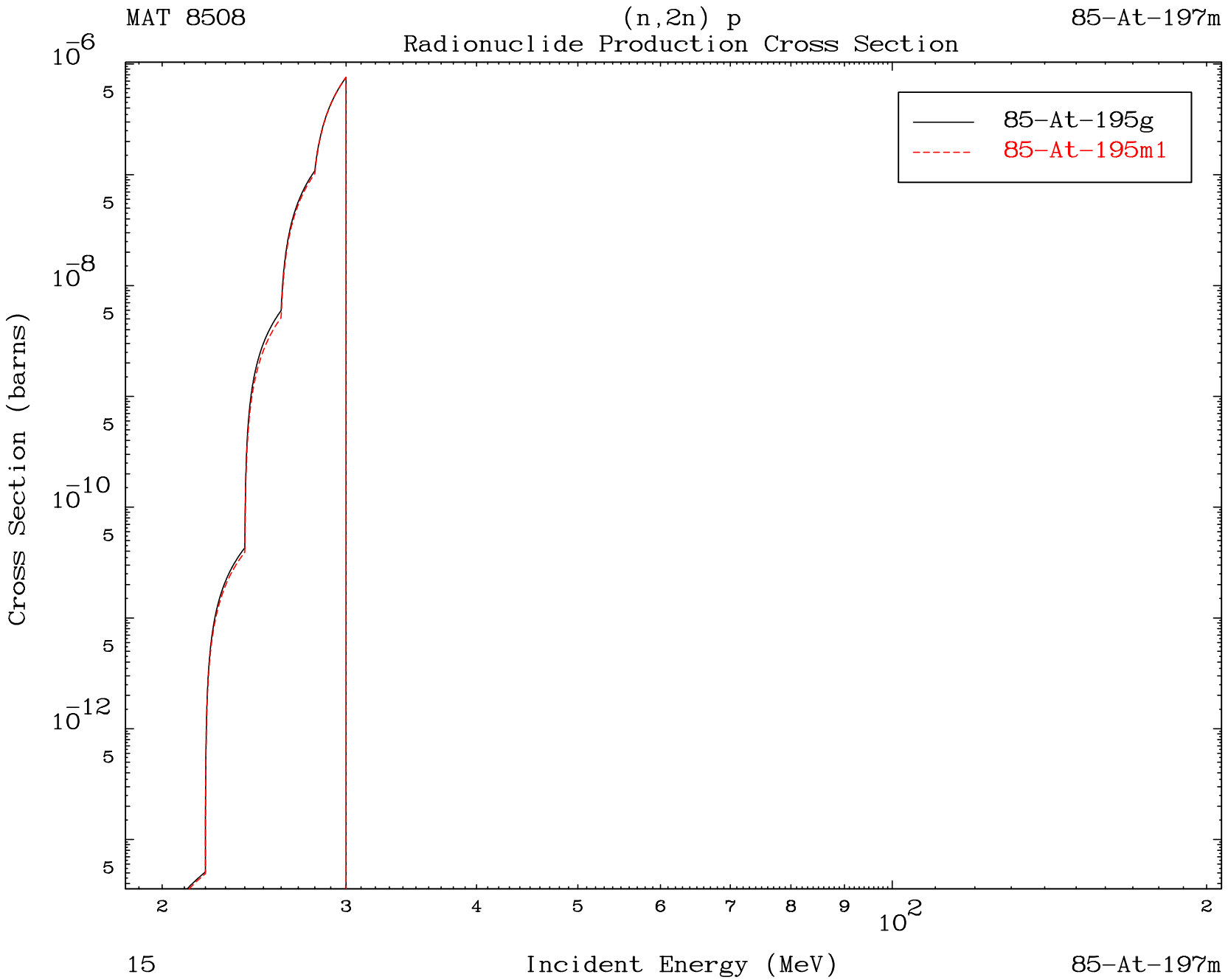

MAT 8508
(p,α) Levels
85-At-197m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
85-At-197m

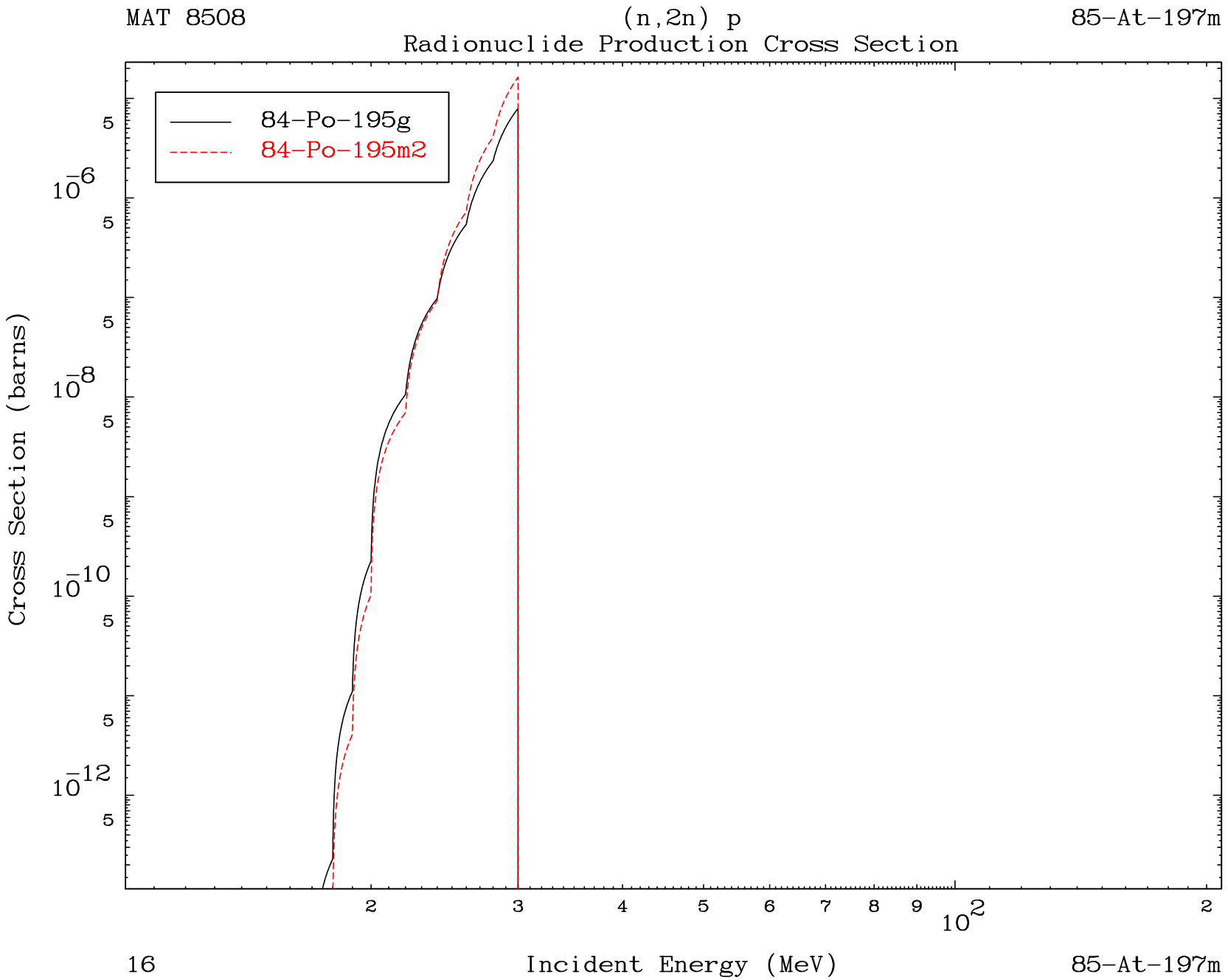

MAT 8508
Fission
85-At-197m
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
11
85-At-197m

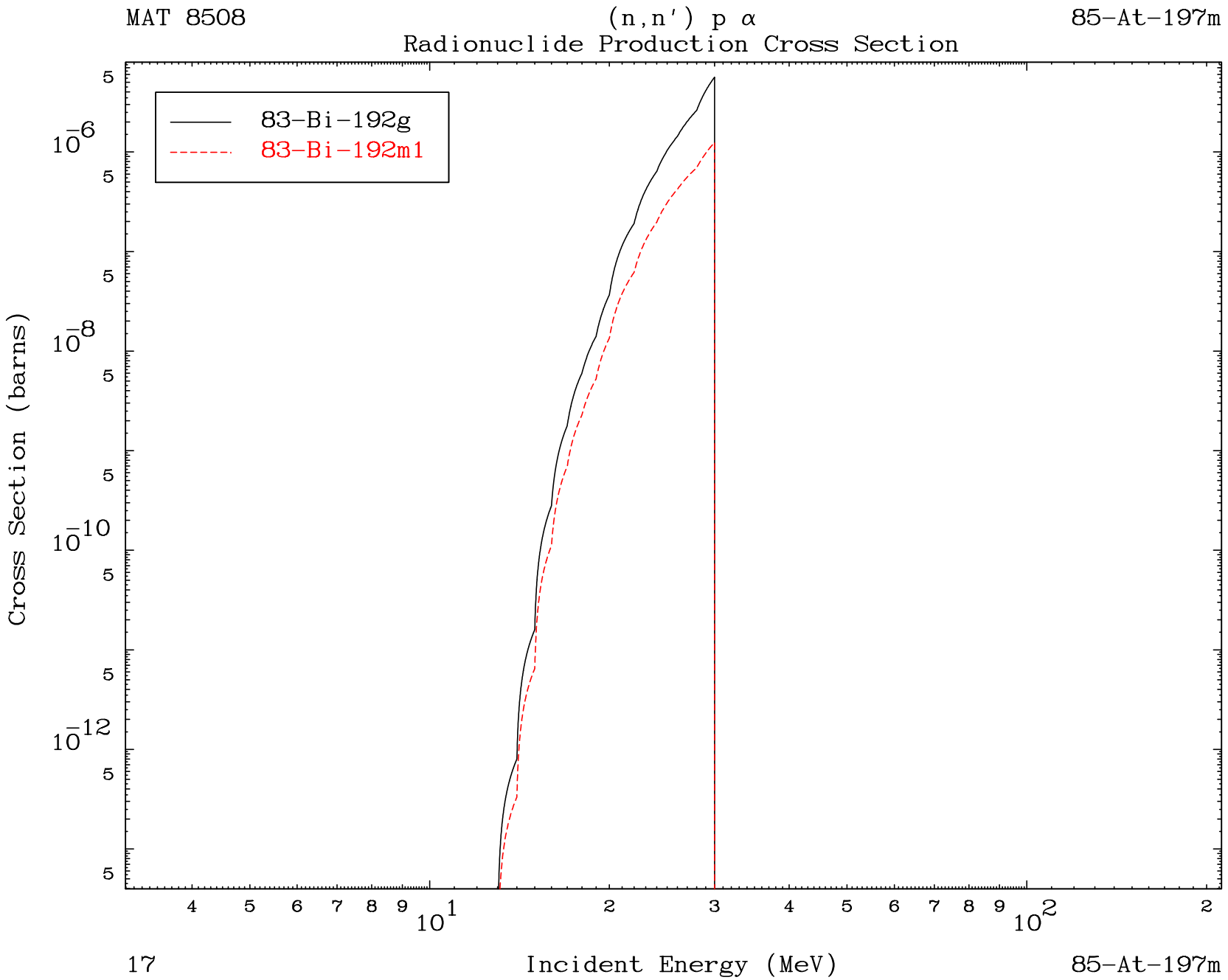

MAT 8508
(n,n') α
85-At-197m
Radionuclide Production Cross Section
84-Po-193g
84-Po-193m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
4
6
8
10^1
10^2
12
Incident Energy (MeV)
85-At-197m

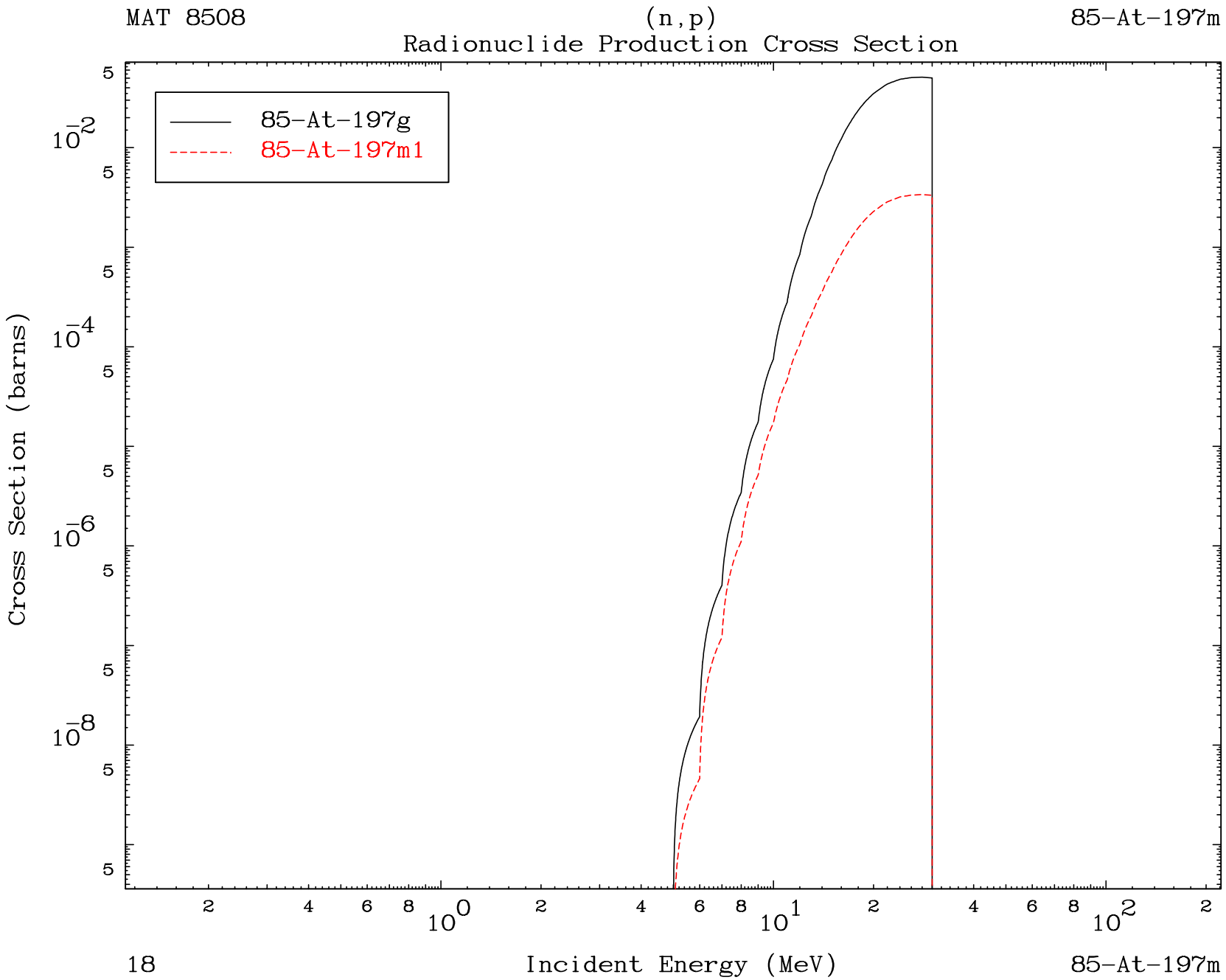

MAT 8508
(n,n') 2α
85-At-197m
Radionuclide Production Cross Section
82-Pb-189g
82-Pb-189m1
Cross Section (barns)
Incident Energy (MeV)
13
85-At-197m

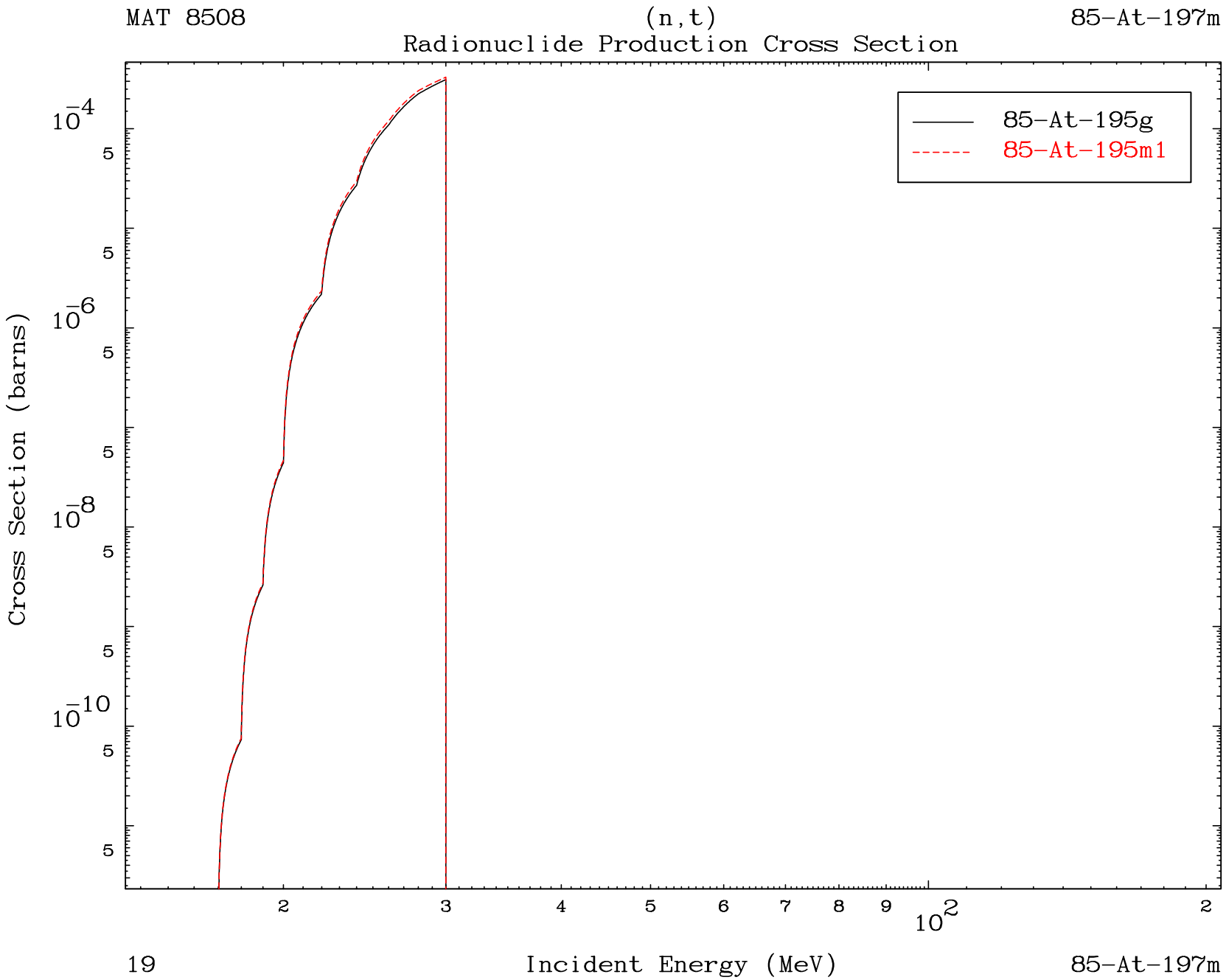

MAT 8508
(n,n') d
85-At-197m
Radionuclide Production Cross Section
85-At-195g
85-At-195m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
85-At-197m

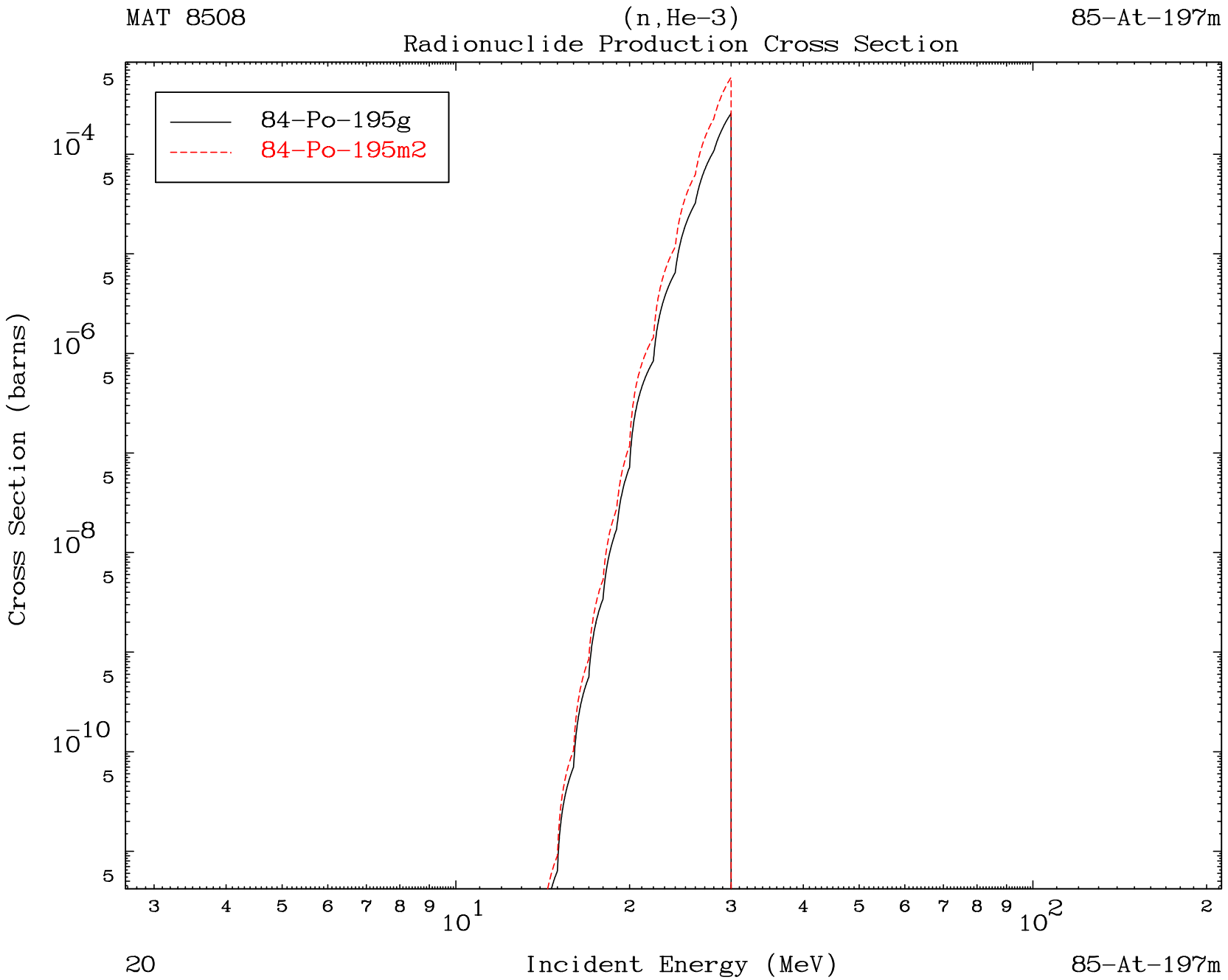

MAT 8508
(n,2n) p
85-At-197m
Radionuclide Production Cross Section
85-At-195g
85-At-195m1
Cross Section (barns)
Incident Energy (MeV)
15
85-At-197m

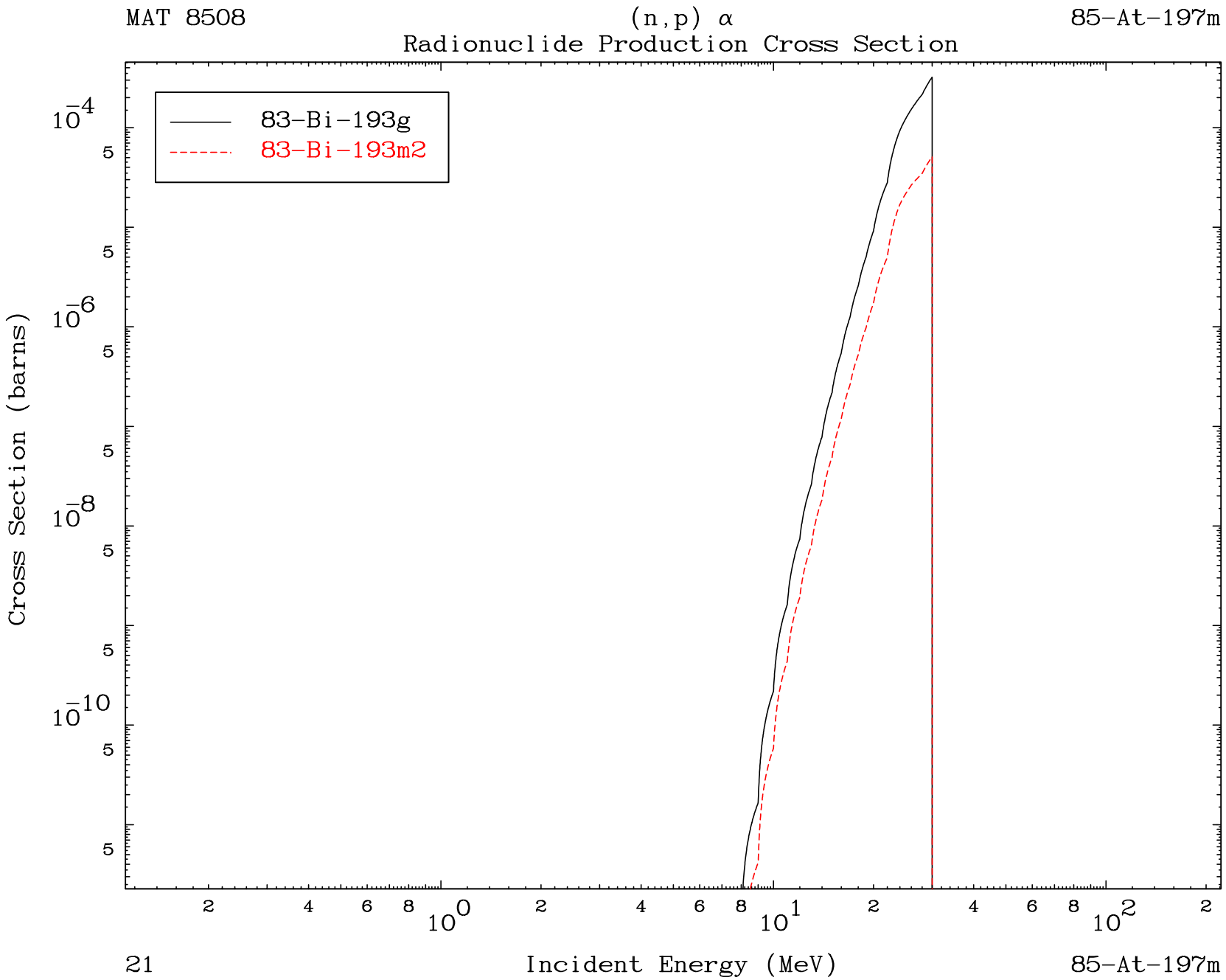

MAT 8508
(n,2n) p
85-At-197m
Radionuclide Production Cross Section
84-Po-195g
84-Po-195m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
85-At-197m

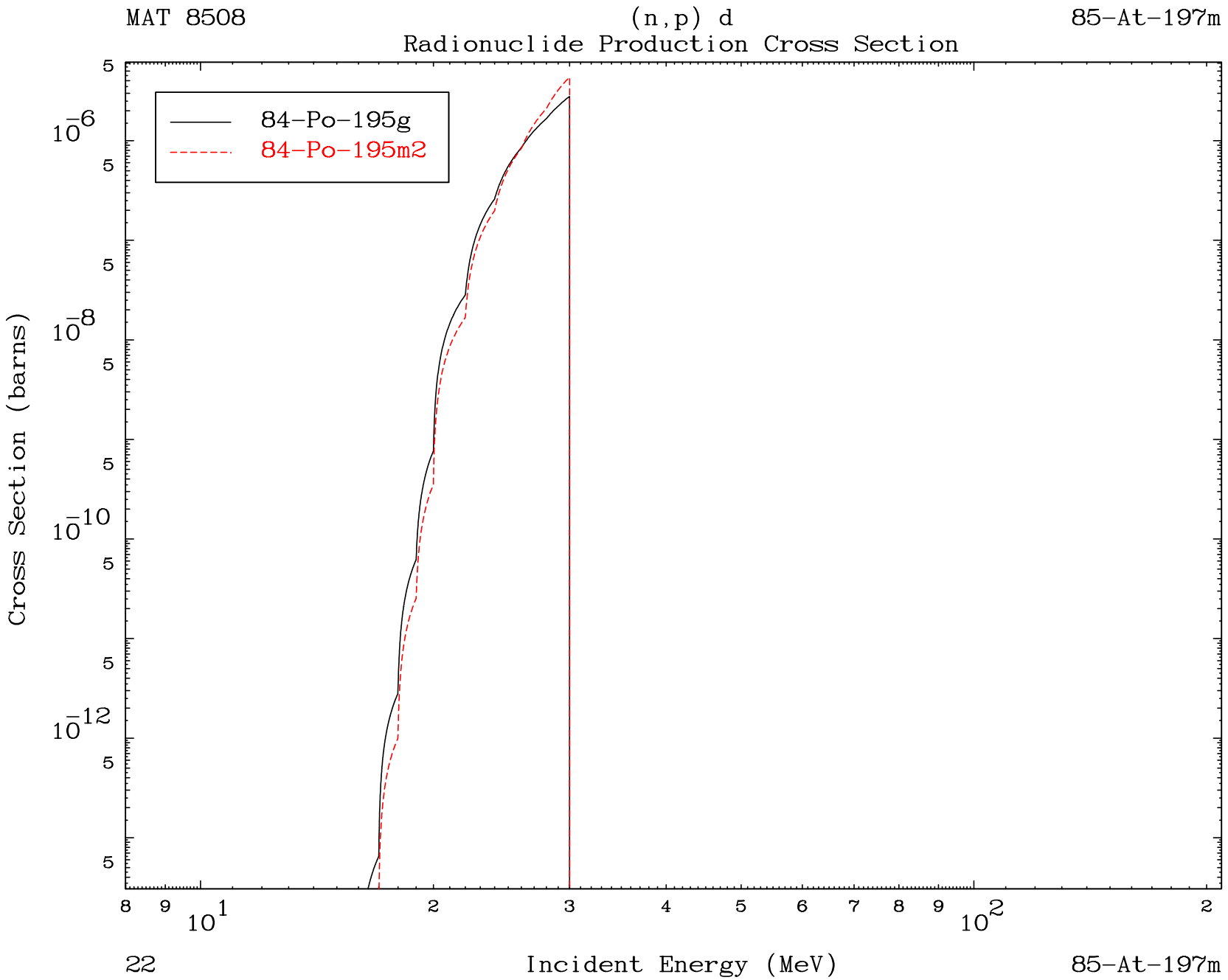

MAT 8508
(n,n') p α
85-At-197m
Radionuclide Production Cross Section
83-Bi-192g
83-Bi-192m1
Cross Section (barns)
Incident Energy (MeV)
17
85-At-197m

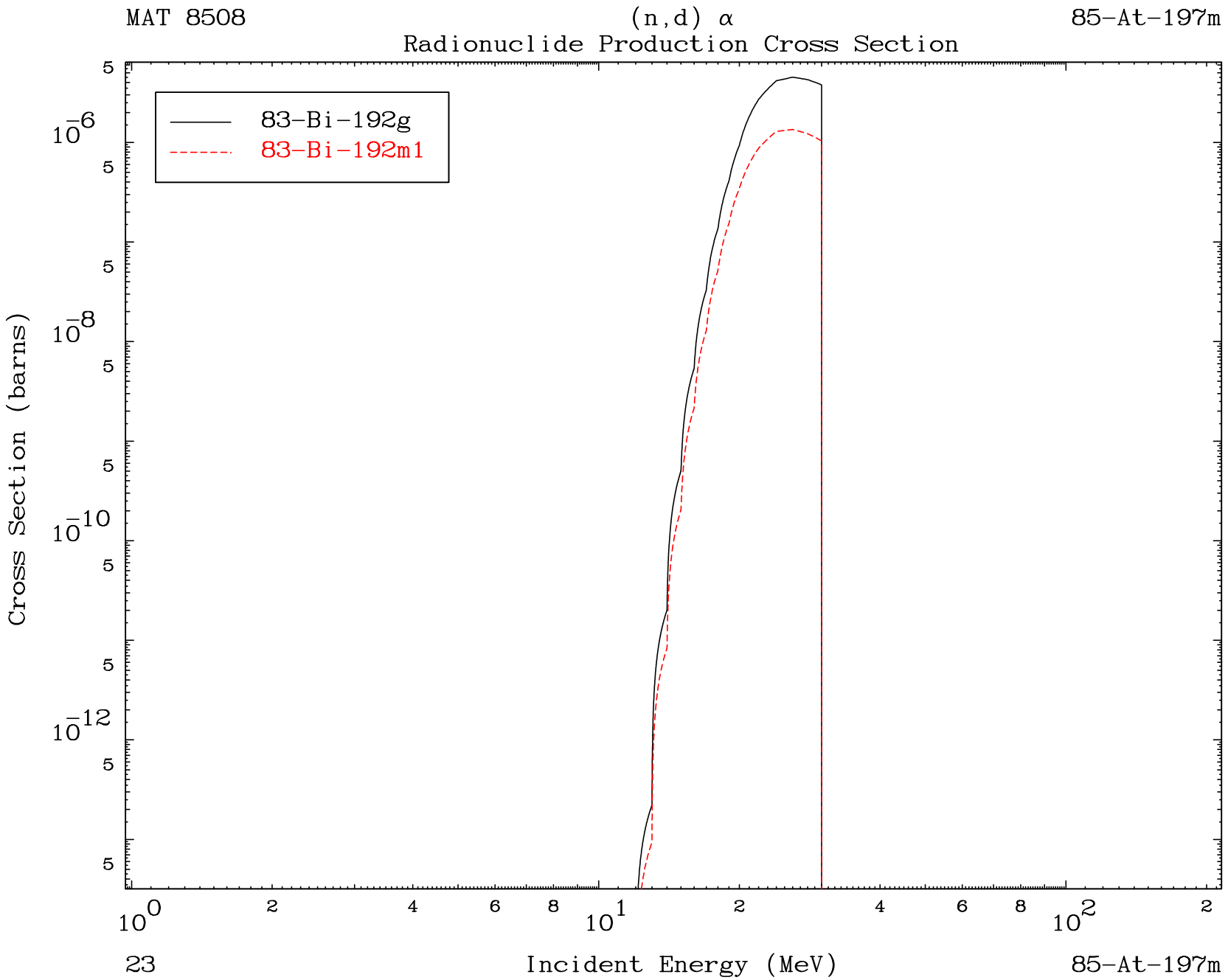

MAT 8508
(n,p)
85-At-197m
Radionuclide Production Cross Section
85-At-197g
85-At-197m1
Cross Section (barns)
Incident Energy (MeV)
18
85-At-197m


MAT 8508
(n,t)
85-At-197m
Radionuclide Production Cross Section
85-At-195g
85-At-195m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
102
2
19
Incident Energy (MeV)
85-At-197m


MAT 8508
(n,He-3)
85-At-197m
Radionuclide Production Cross Section
84-Po-195g
84-Po-195m2
Cross Section (barns)
Incident Energy (MeV)
20
85-At-197m


MAT 8508
(n,p) α
85-At-197m
Radionuclide Production Cross Section
83-Bi-193g
83-Bi-193m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
21
85-At-197m


MAT 8508
(n,p) d
85-At-197m
Radionuclide Production Cross Section
84-Po-195g
84-Po-195m2
Cross Section (barns)
Incident Energy (MeV)
22
85-At-197m


MAT 8508
(n,d) α
85-At-197m
Radionuclide Production Cross Section
83-Bi-192g
83-Bi-192m1
Cross Section (barns)
Incident Energy (MeV)
23
85-At-197m