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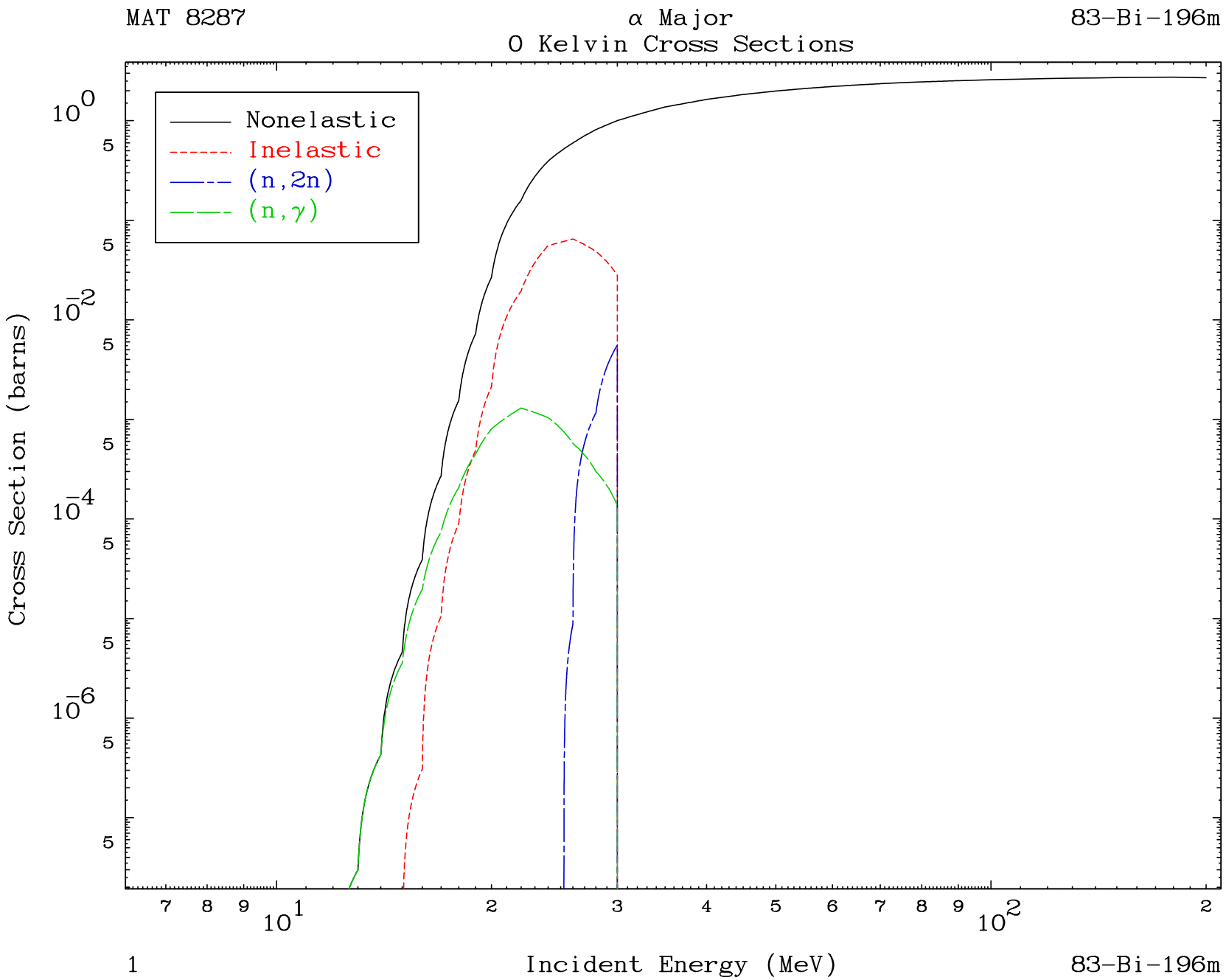
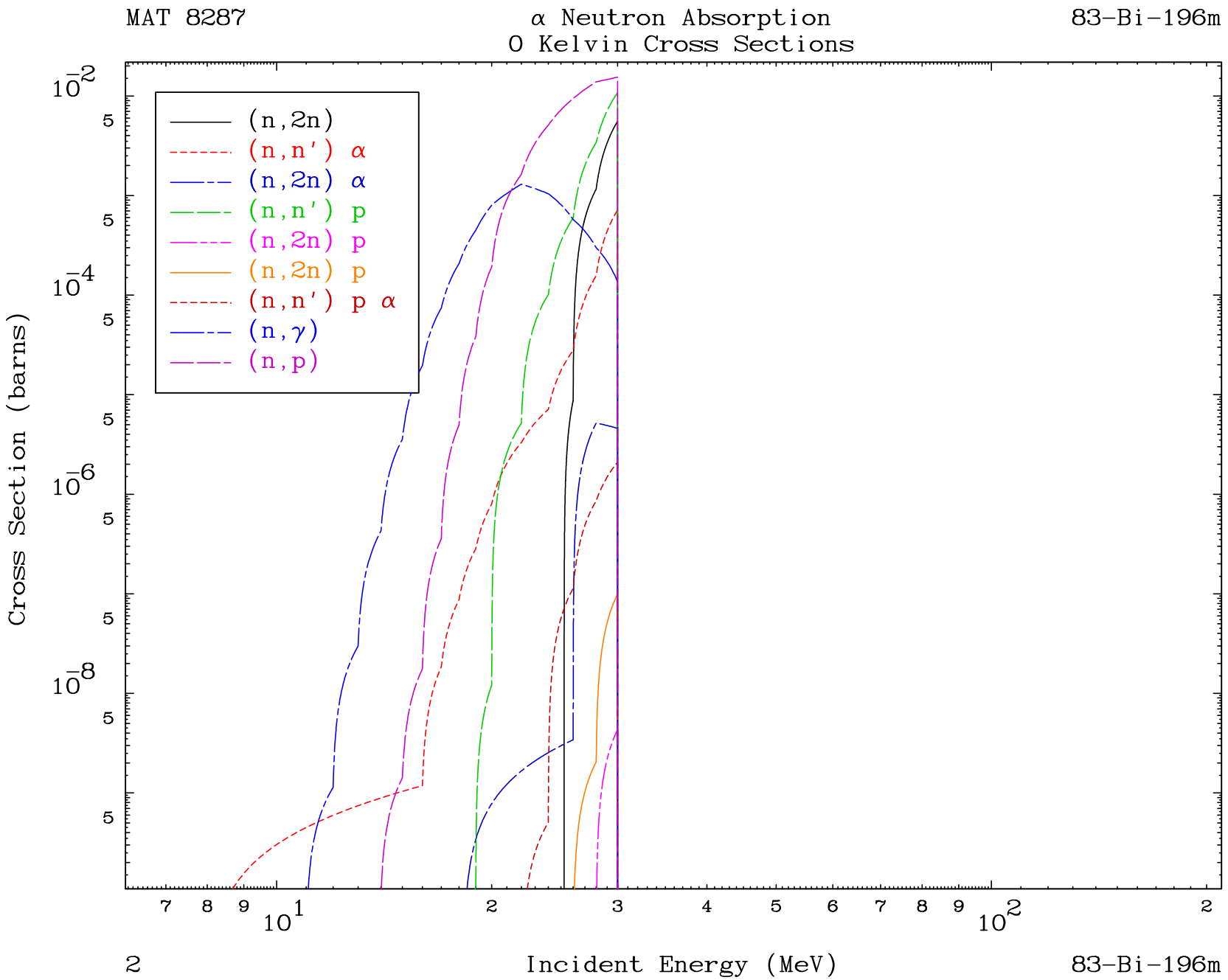
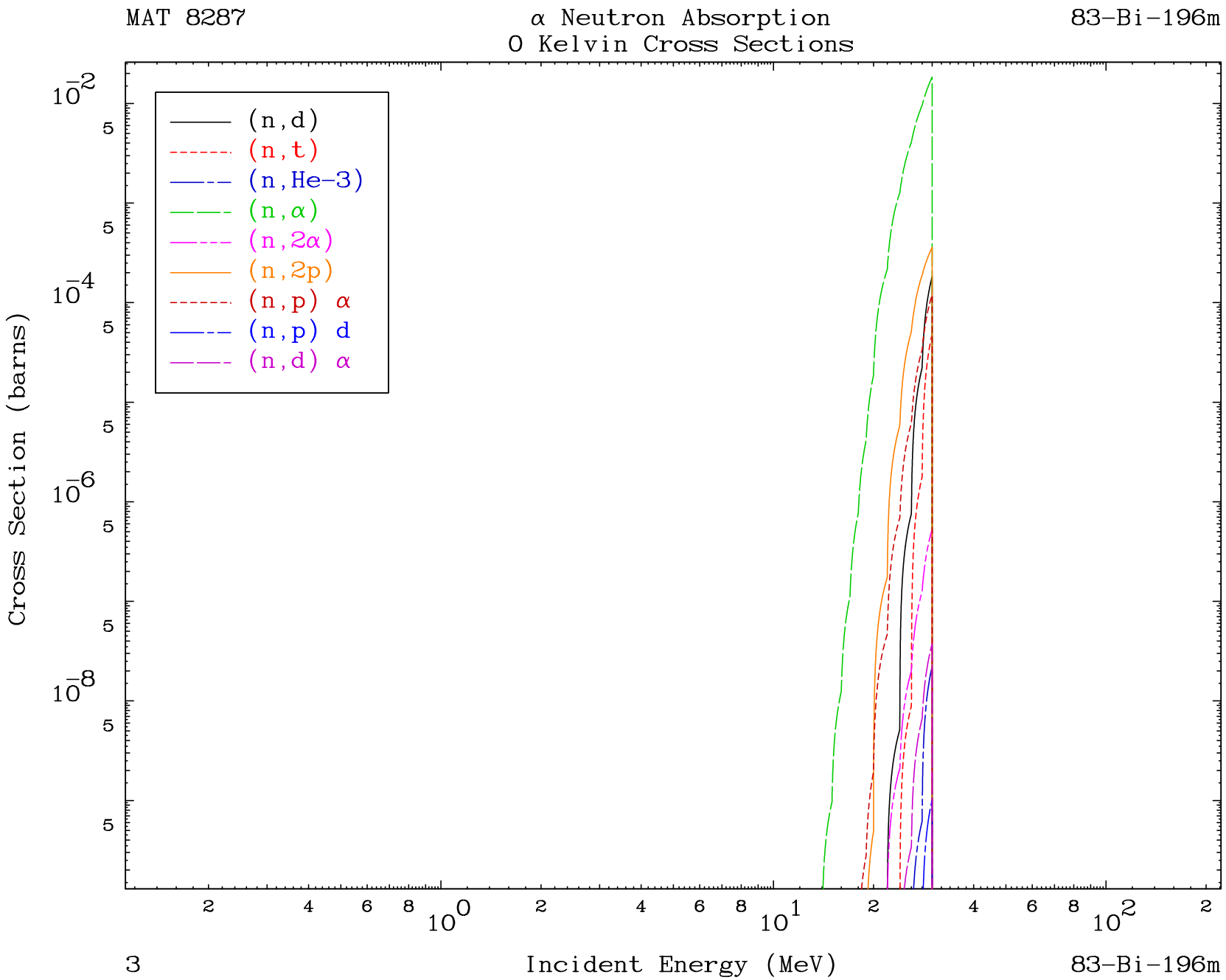
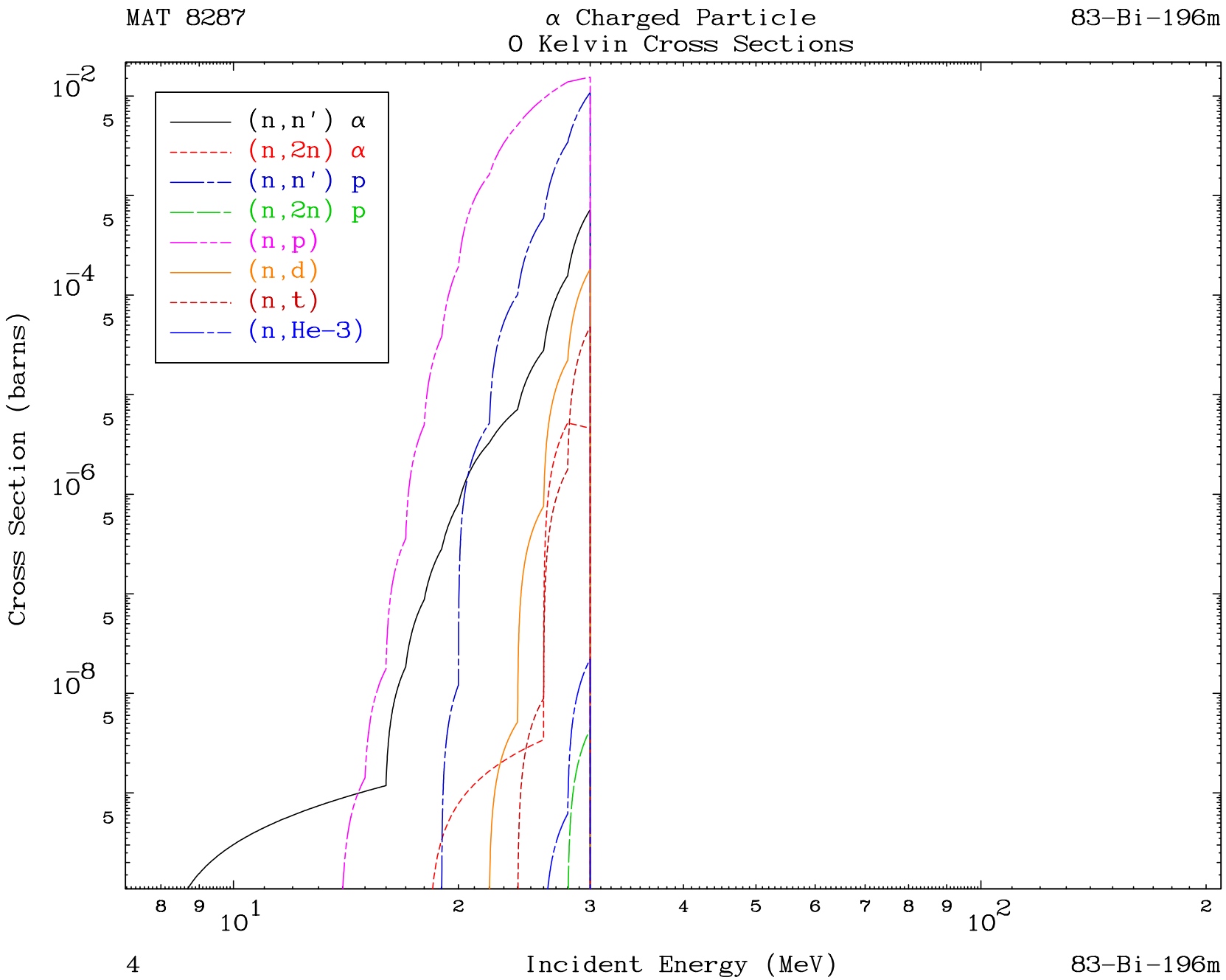
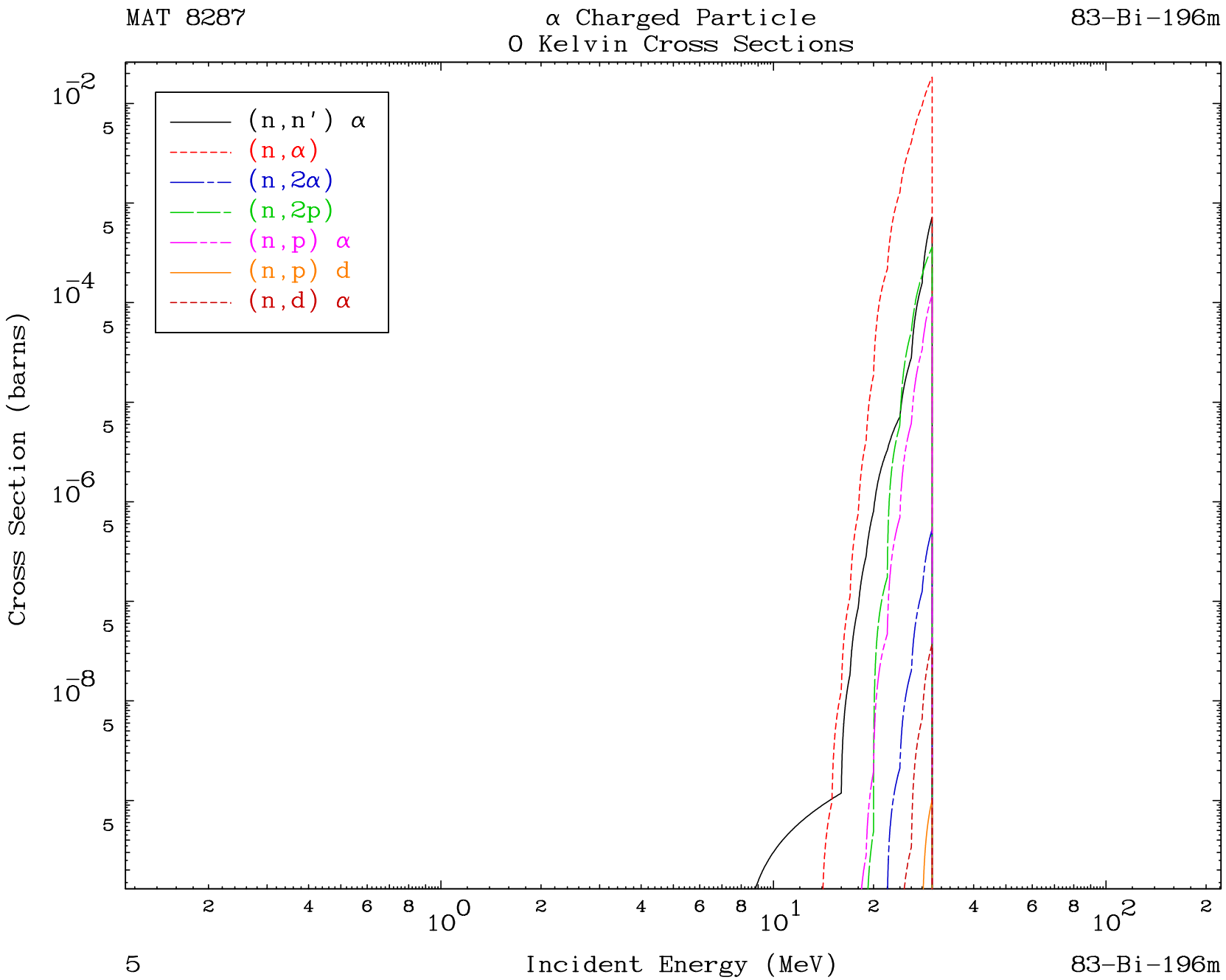
Press Mouse Button to Start

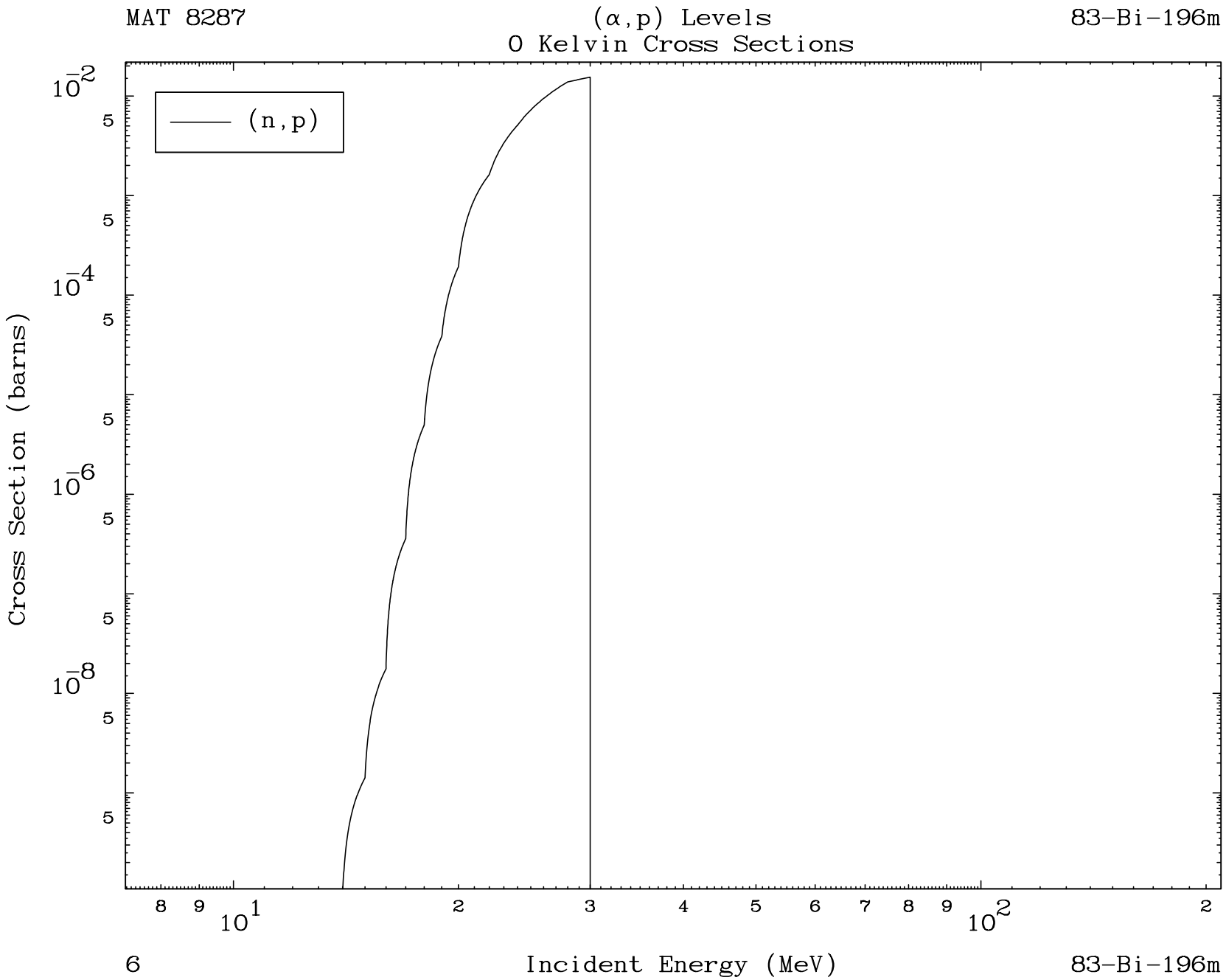

MAT 8287
α Major
83-Bi-196m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
83-Bi-196m

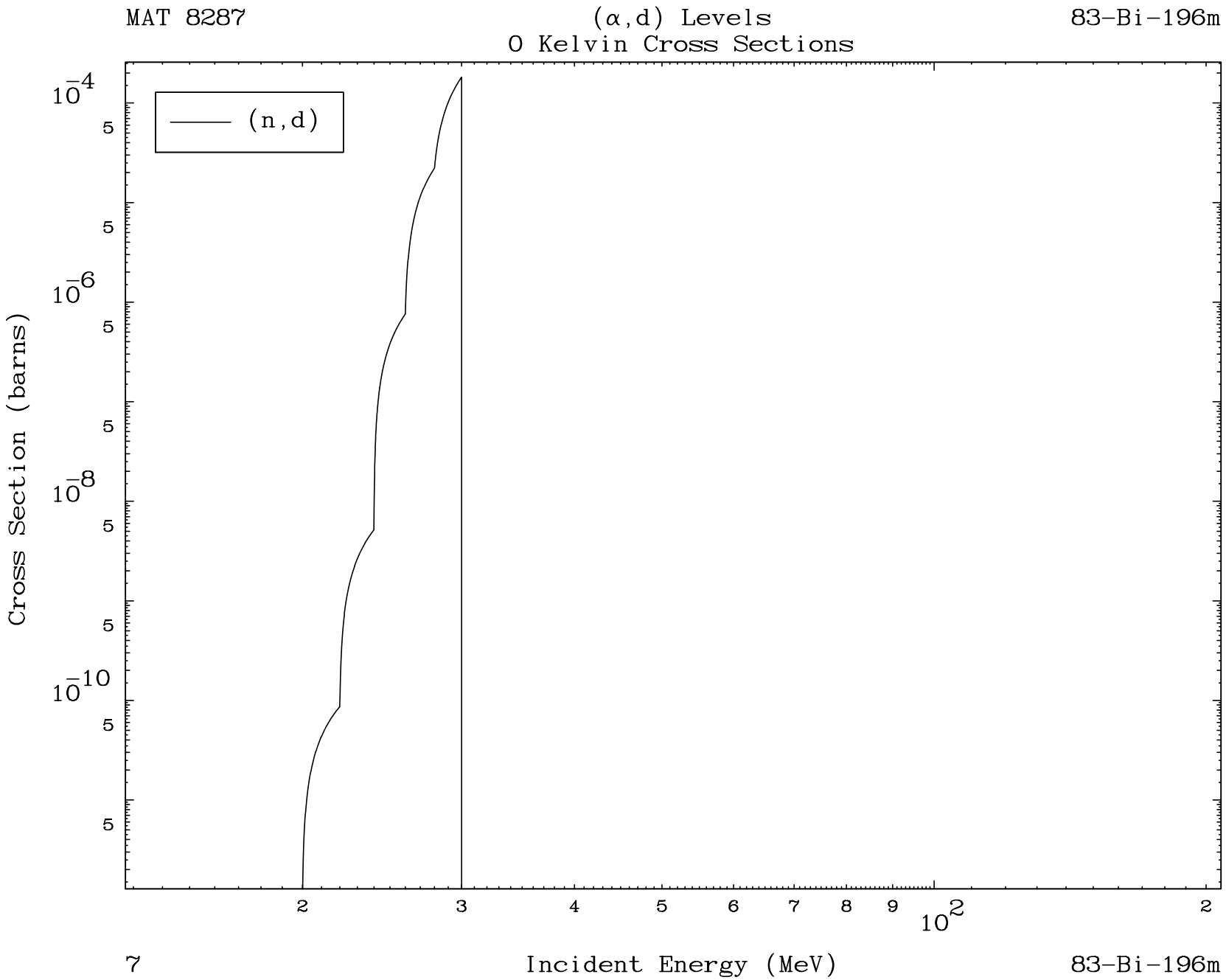

MAT 8287
α Neutron Absorption
0 Kelvin Cross Sections
83-Bi-196m
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
83-Bi-196m

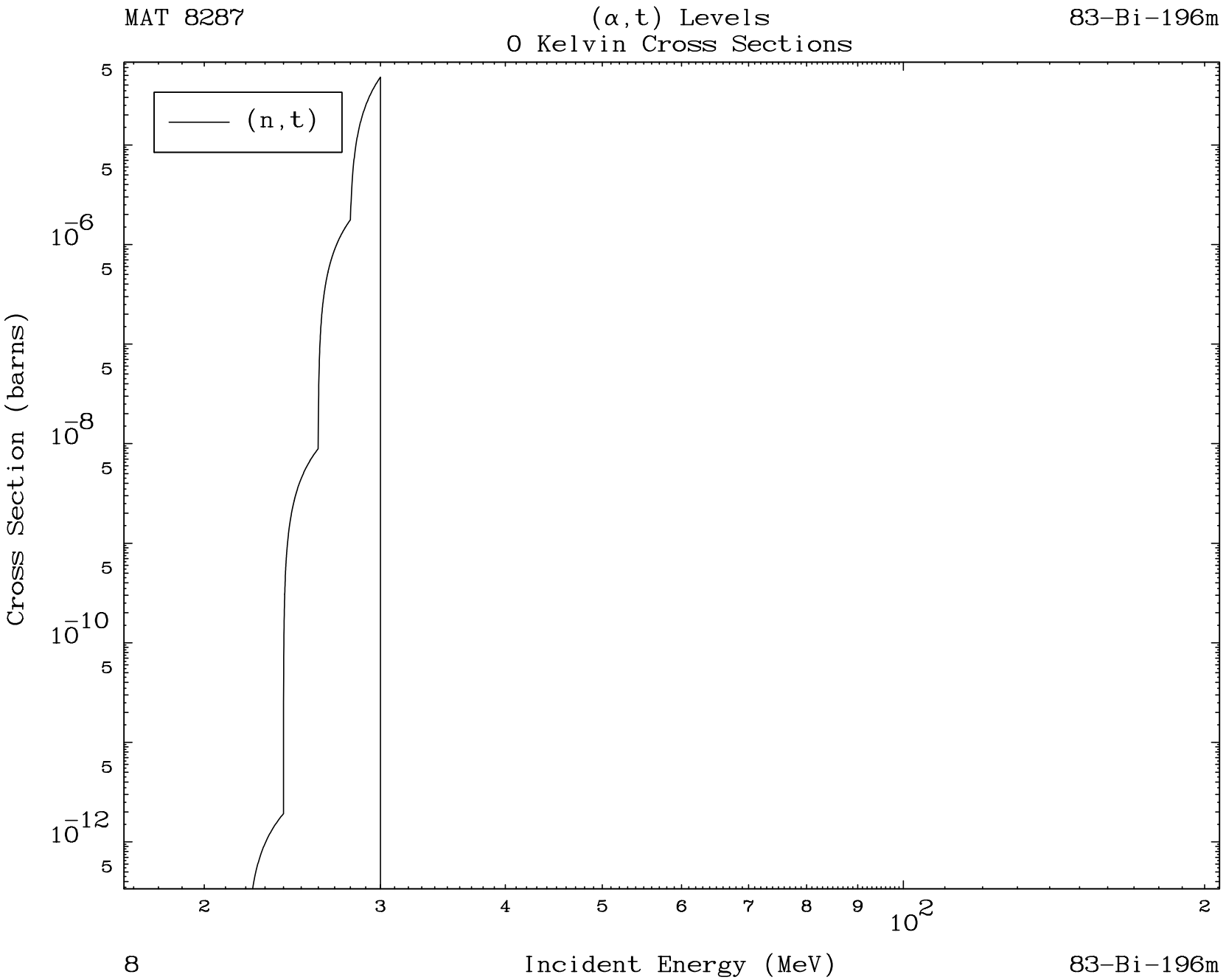

MAT 8287
α Neutron Absorption
0 Kelvin Cross Sections
83-Bi-196m
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
83-Bi-196m

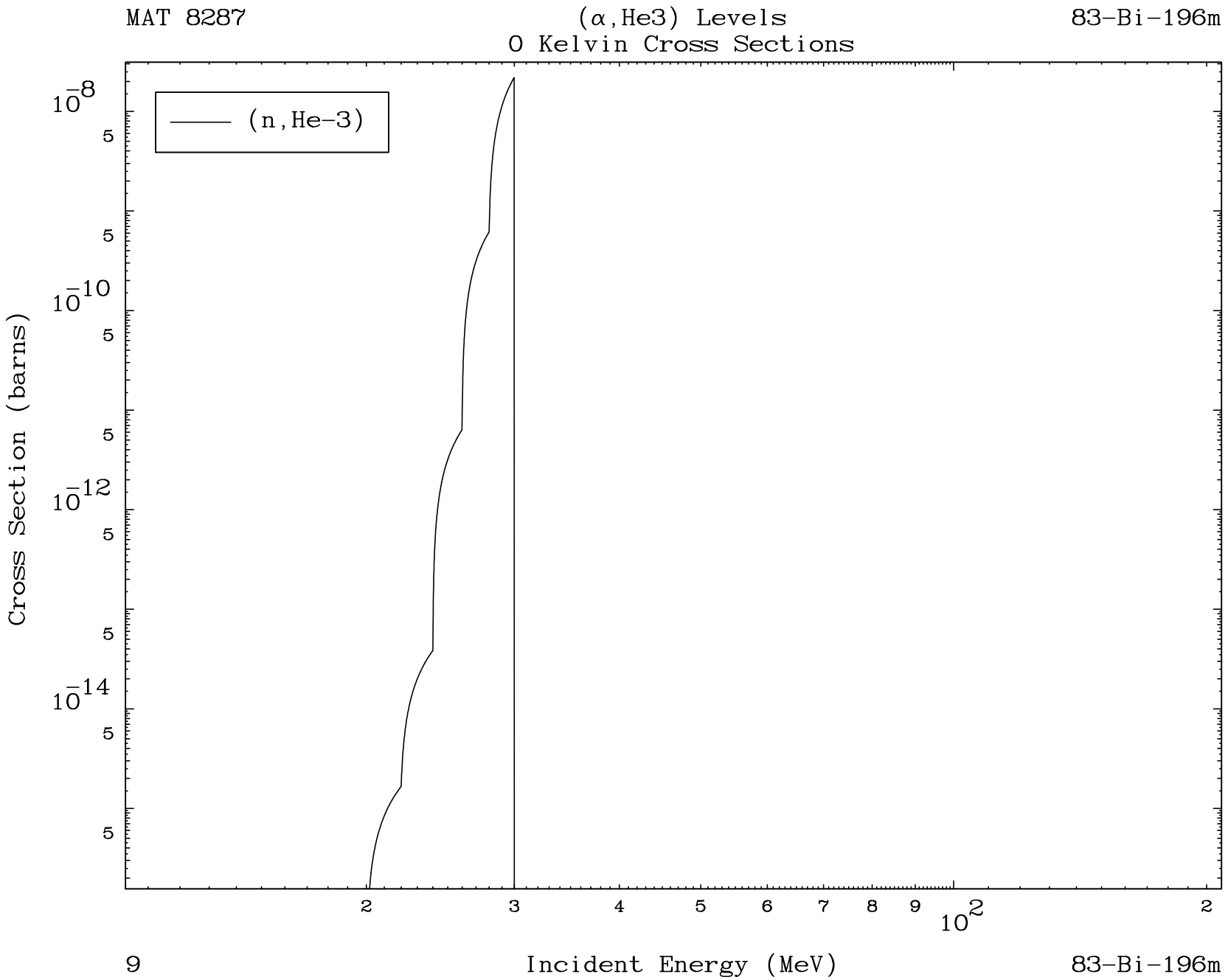

MAT 8287
α Charged Particle
0 Kelvin Cross Sections
83-Bi-196m
(n,n') α
(n,2n) α
(n,n') p
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
4
83-Bi-196m

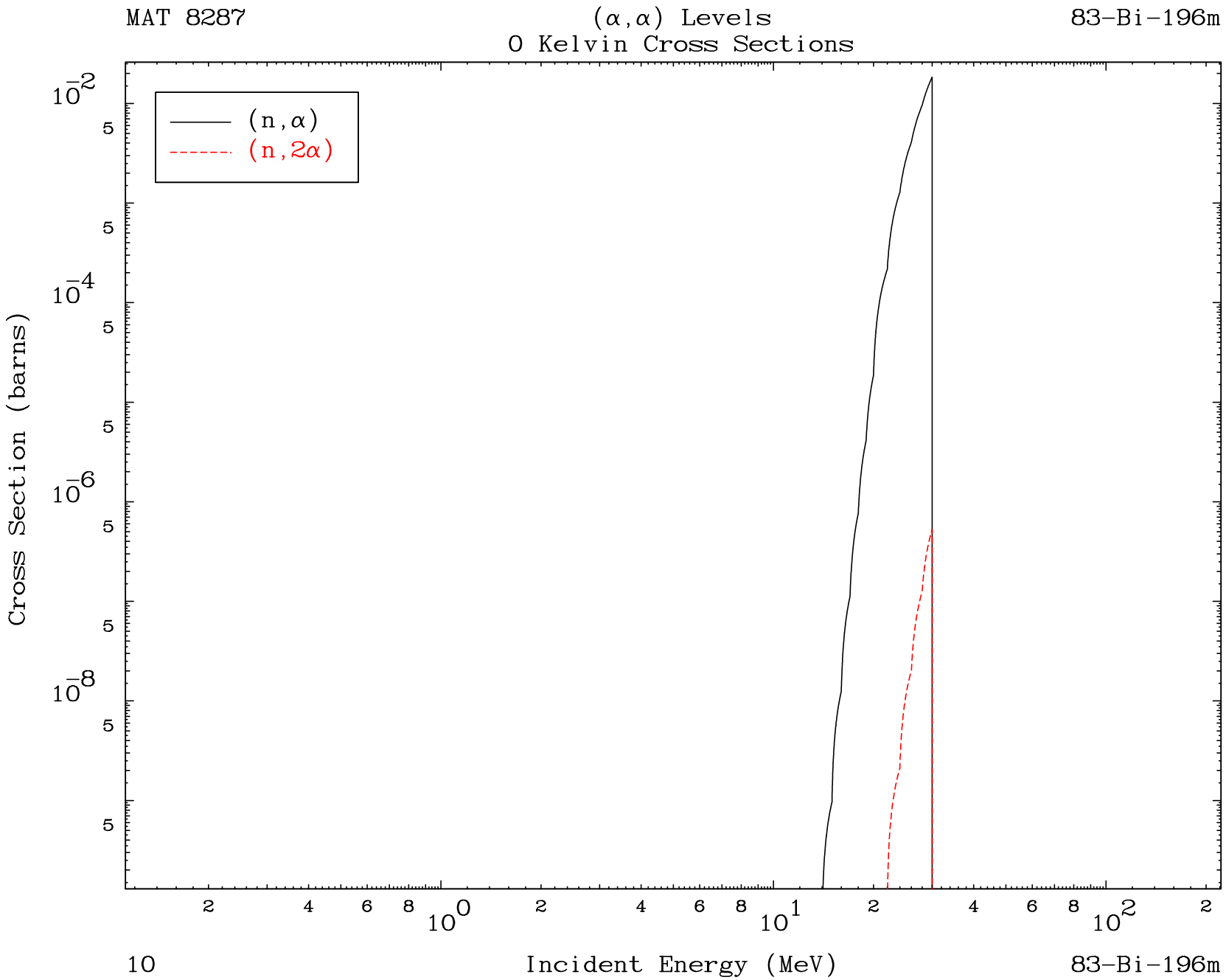

MAT 8287
α Charged Particle
0 Kelvin Cross Sections
83-Bi-196m
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
83-Bi-196m
5

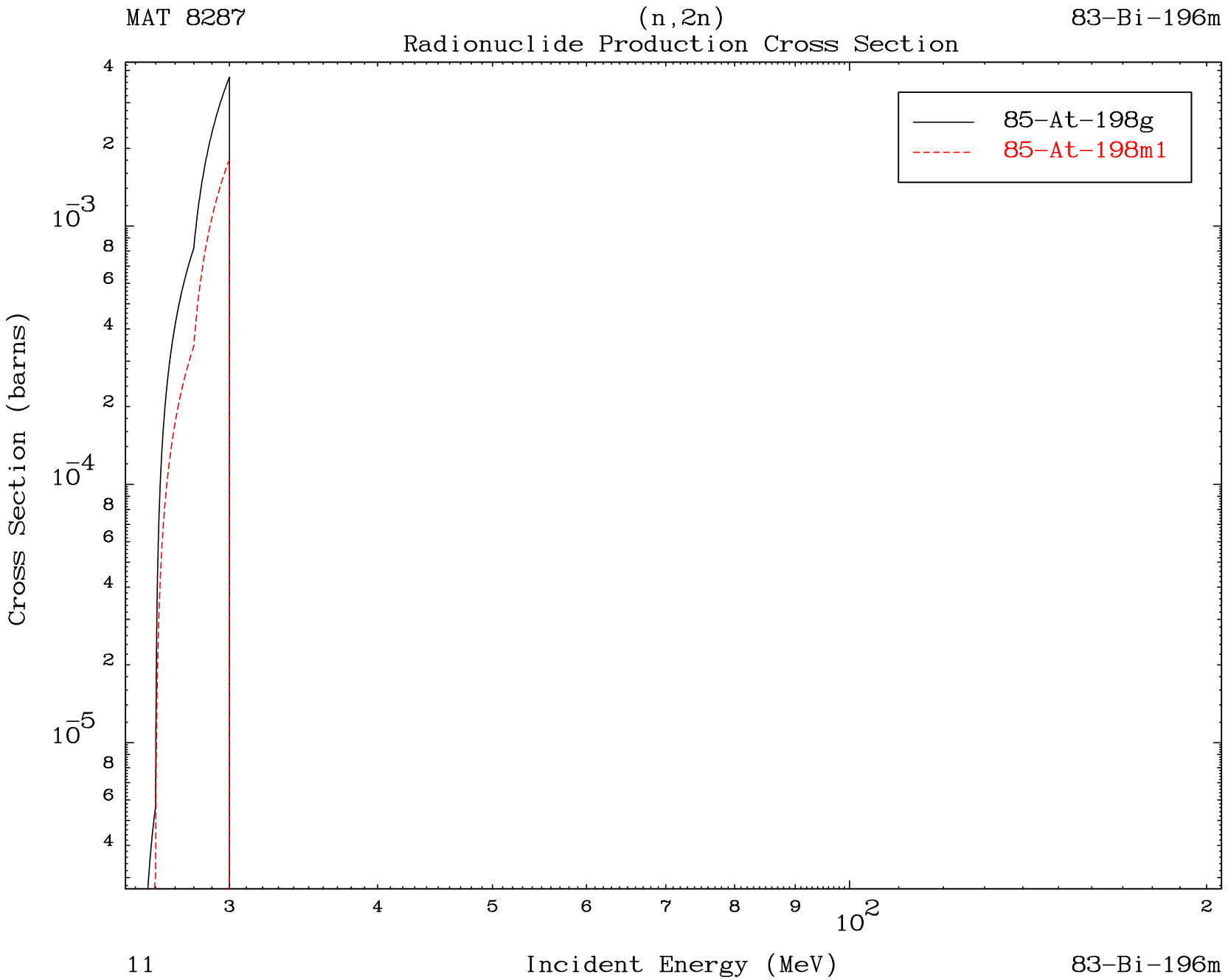

MAT 8287
(α,p) Levels
83-Bi-196m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
83-Bi-196m
6

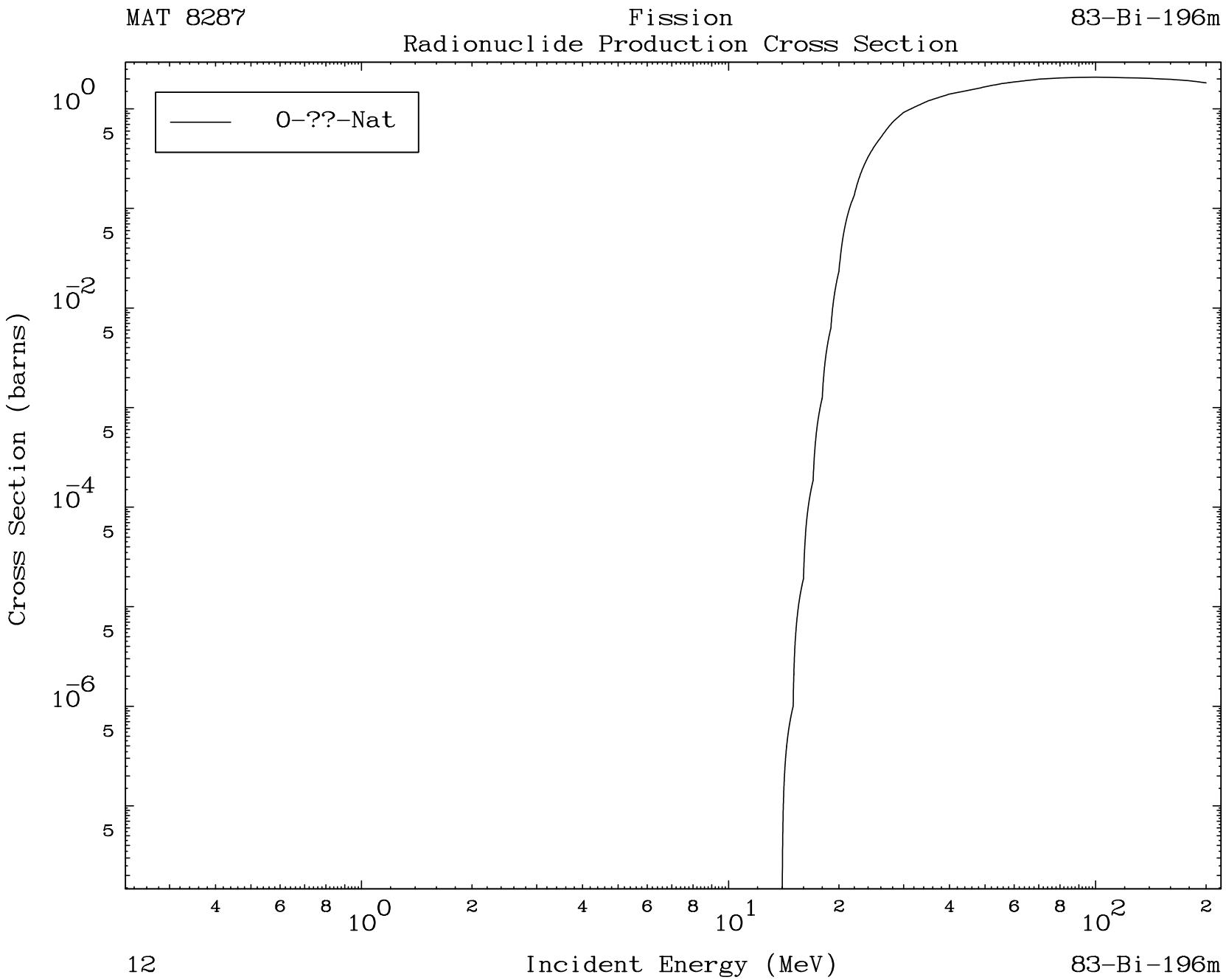

MAT 8287
(α,d) Levels
83-Bi-196m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
7
83-Bi-196m

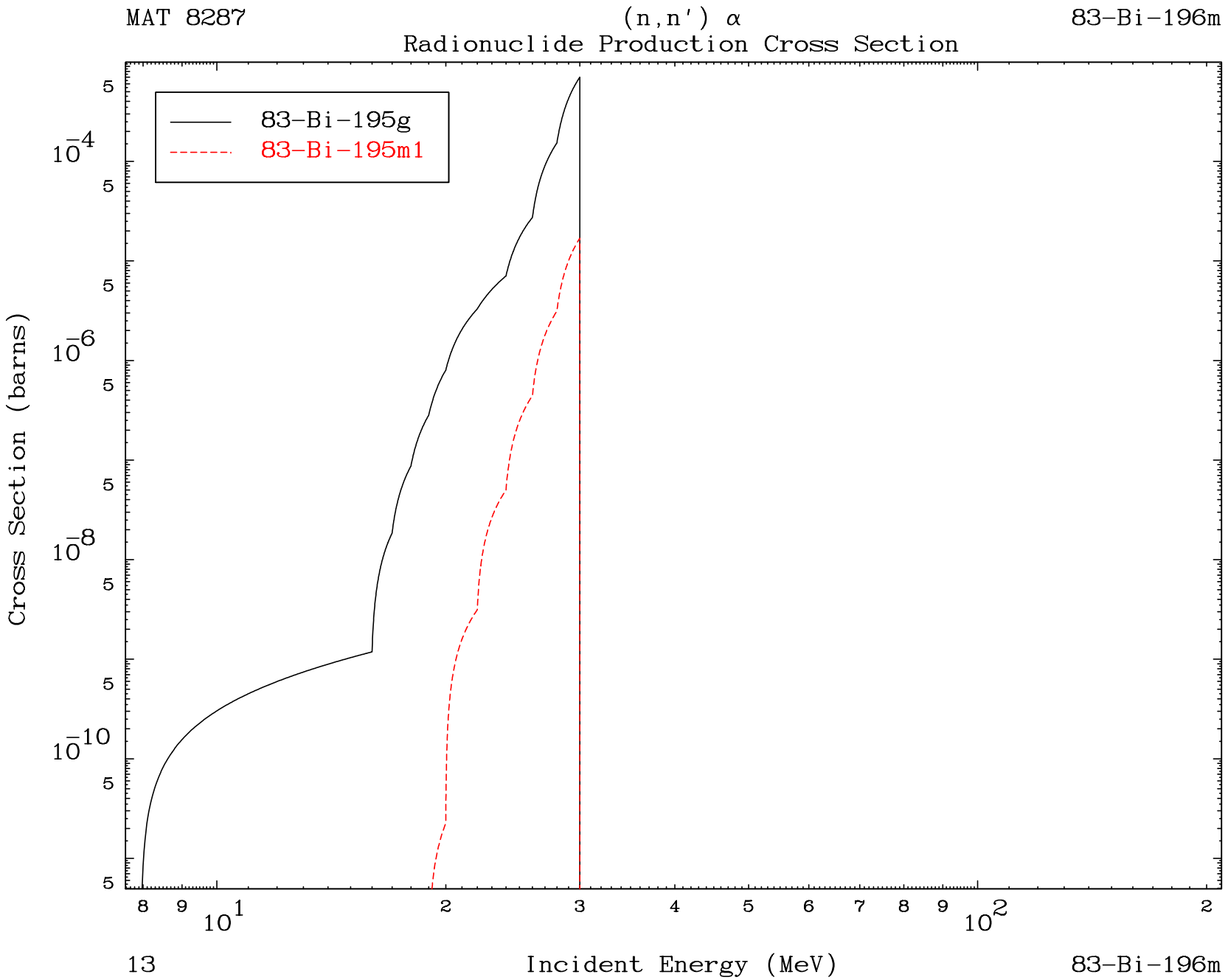

MAT 8287
(α,t) Levels
83-Bi-196m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
83-Bi-196m

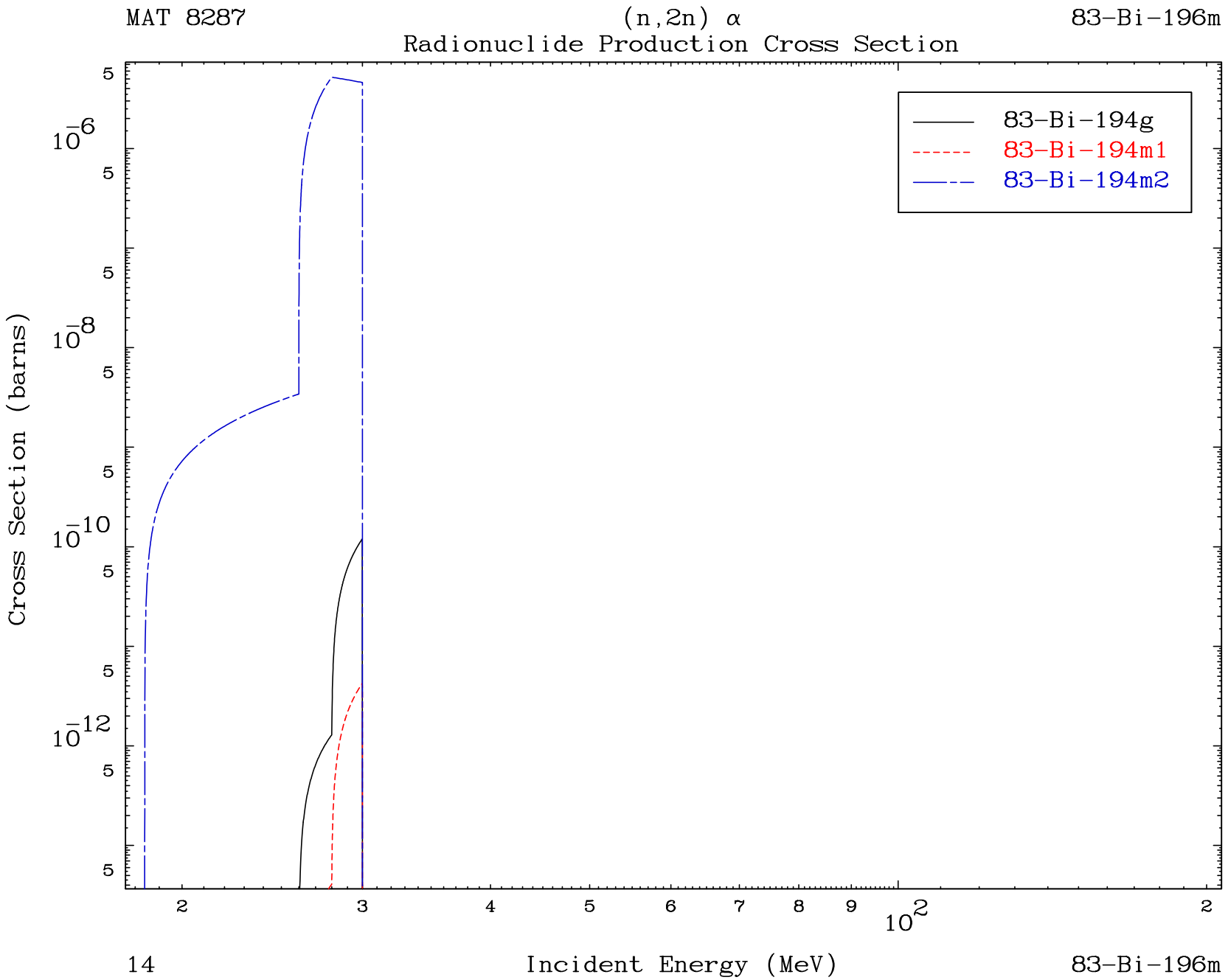

MAT 8287
(α,He3) Levels
83-Bi-196m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
9
Incident Energy (MeV)
83-Bi-196m

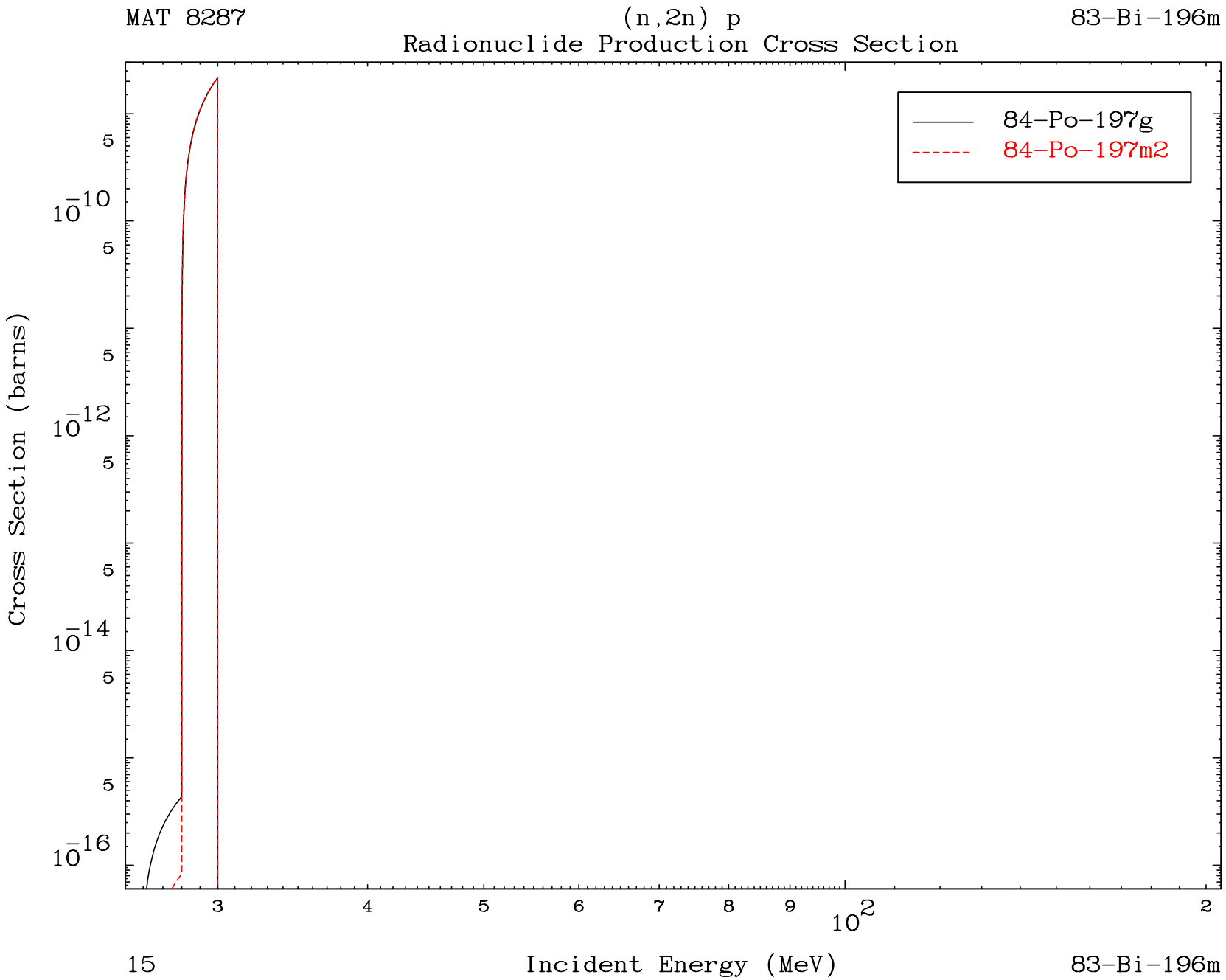

MAT 8287
(α,α) Levels
83-Bi-196m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
83-Bi-196m

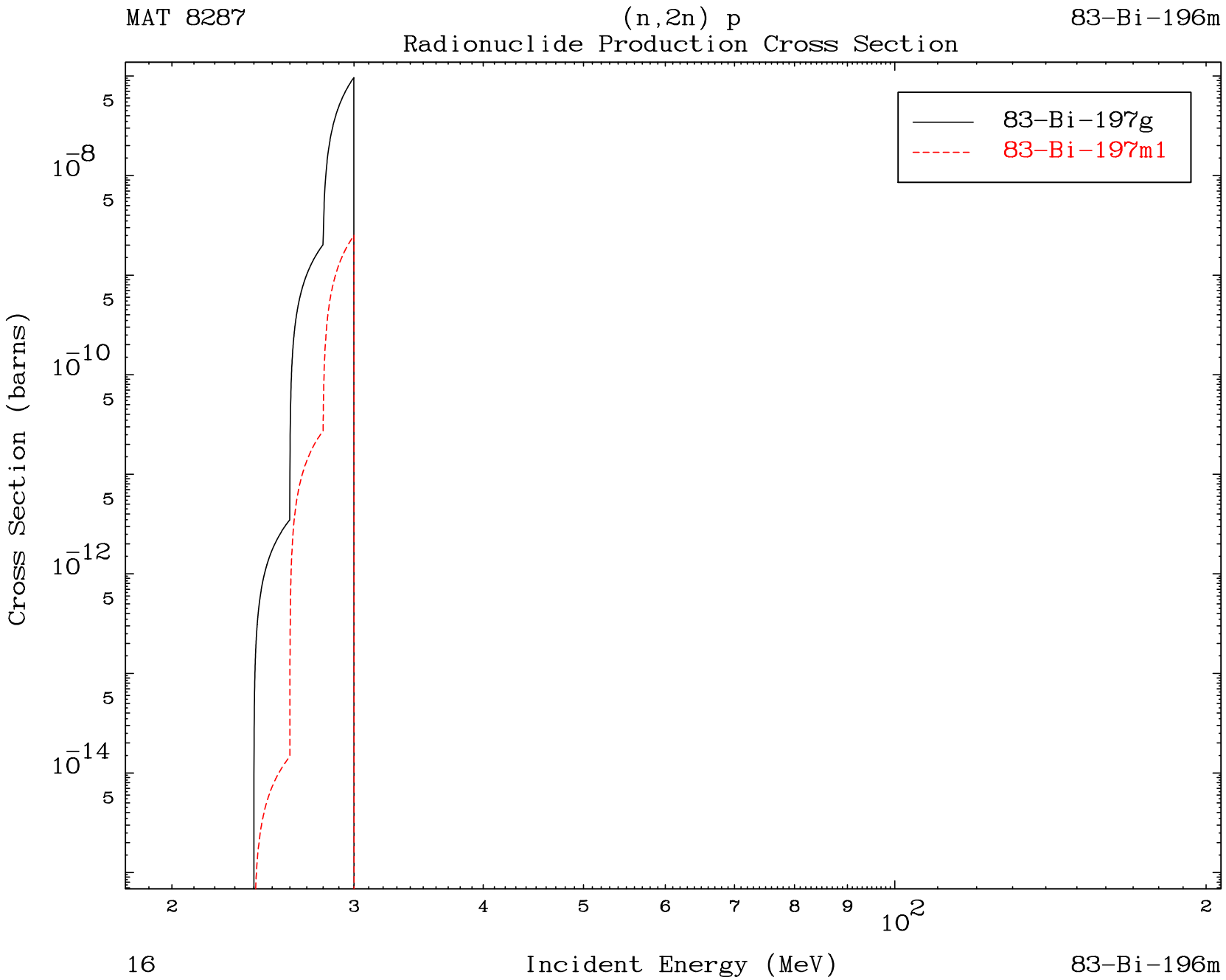

MAT 8287
(n,2n)
83-Bi-196m
Radionuclide Production Cross Section
85-At-198g
85-At-198m1
Cross Section (barns)
Incident Energy (MeV)
11
83-Bi-196m

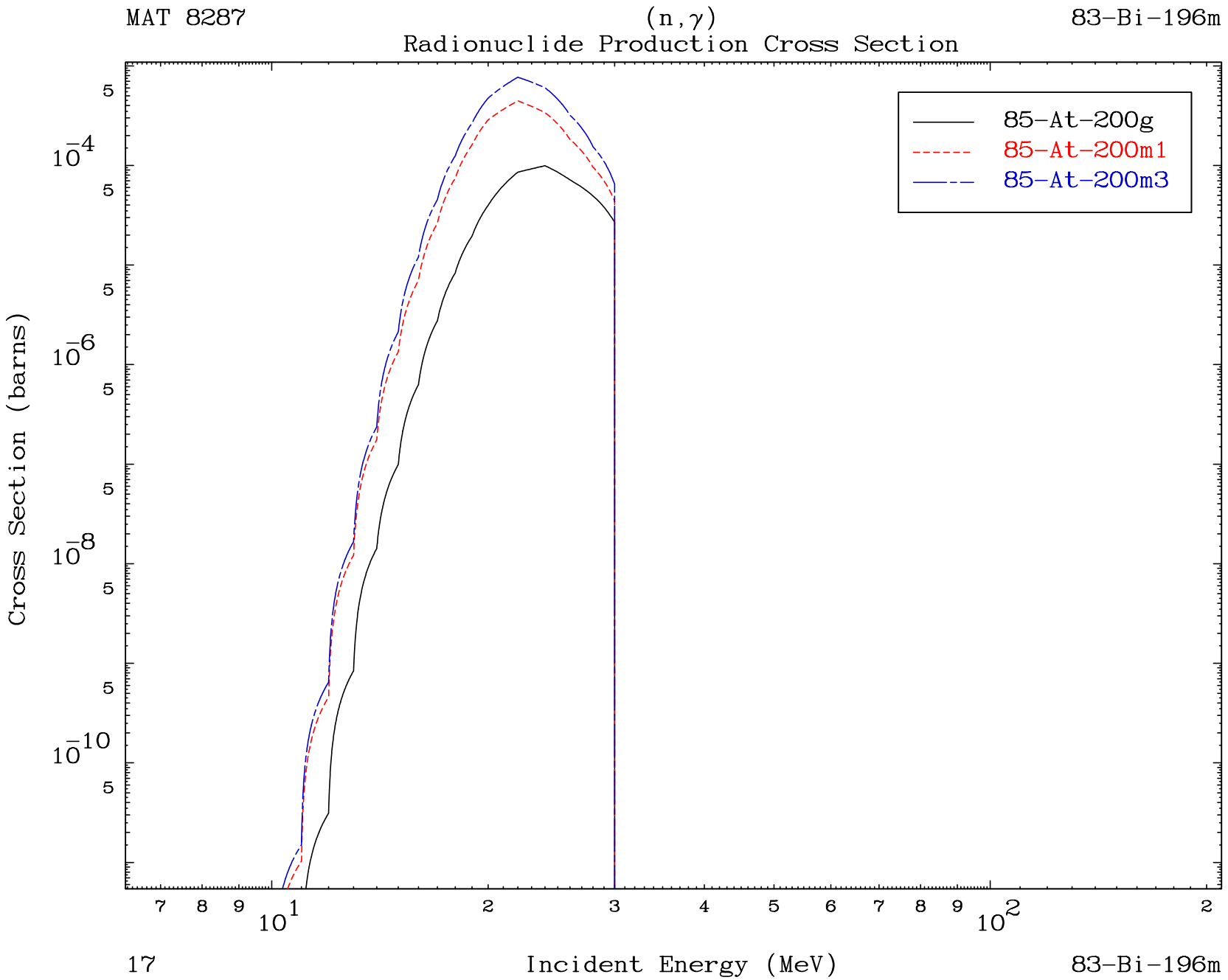

MAT 8287
Fission
83-Bi-196m
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
83-Bi-196m

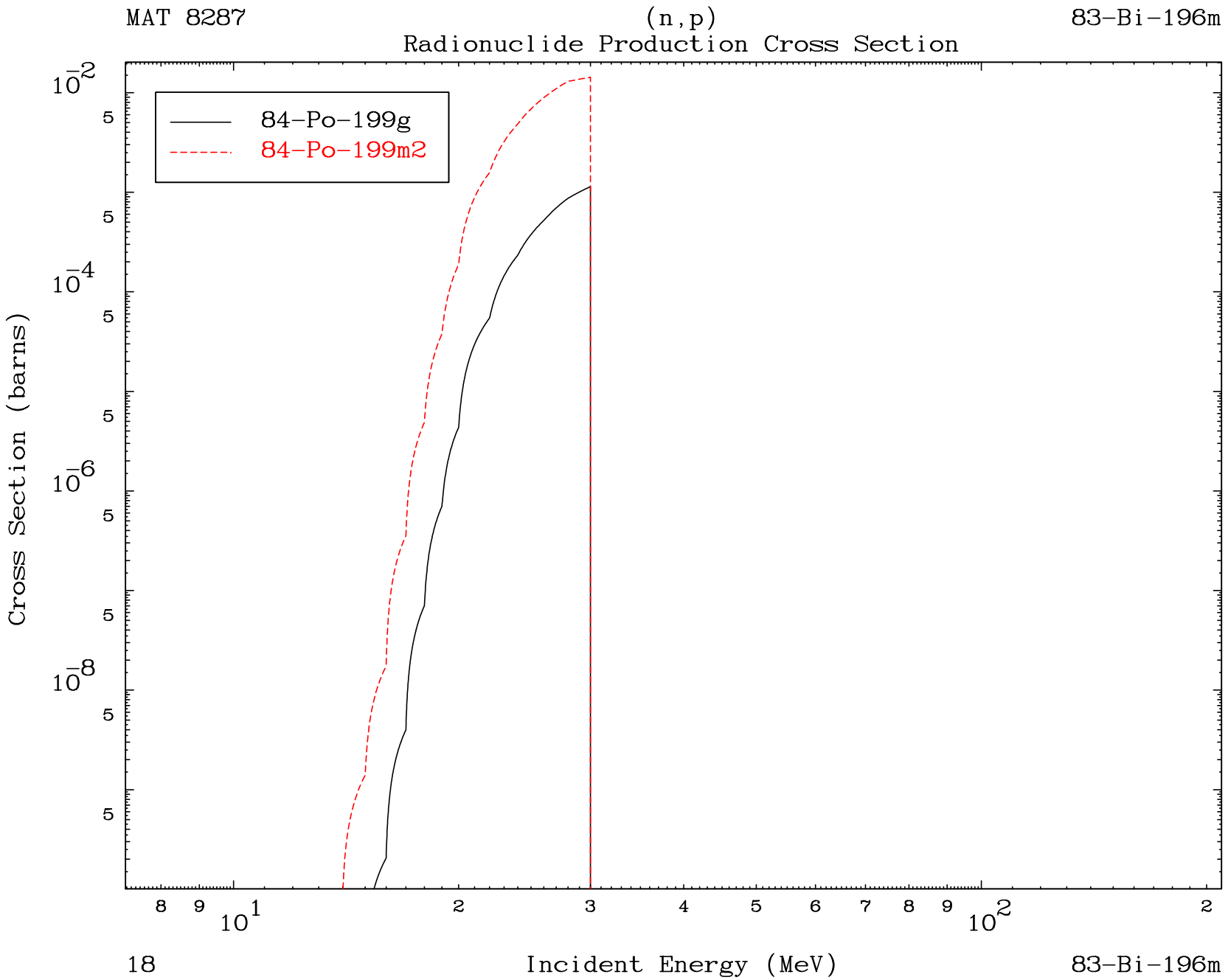

MAT 8287
(n,n') α
83-Bi-196m
Radionuclide Production Cross Section
83-Bi-195g
83-Bi-195m1
Cross Section (barns)
Incident Energy (MeV)
13
83-Bi-196m

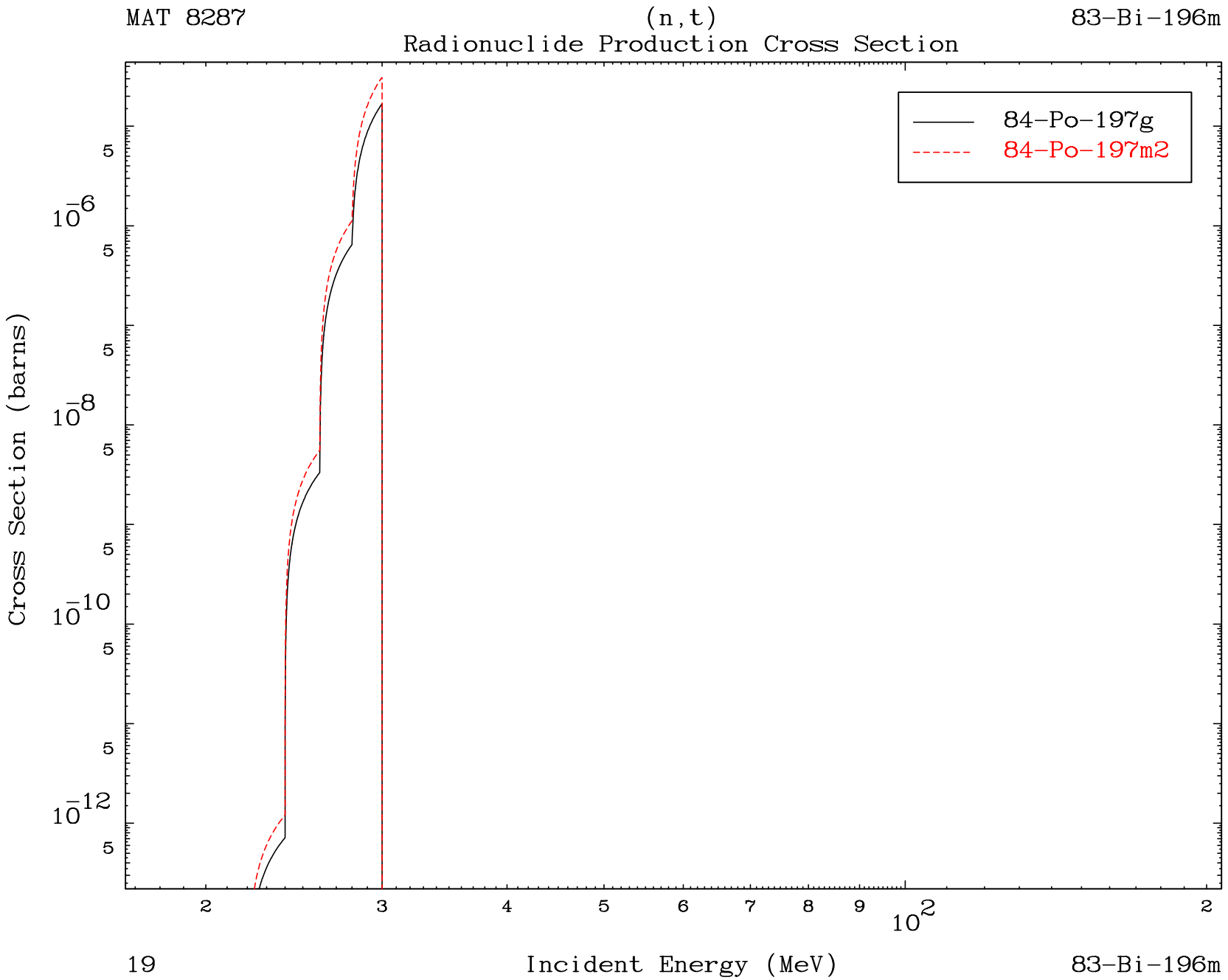

MAT 8287
(n,2n) α
83-Bi-196m
Radionuclide Production Cross Section
83-Bi-194g
83-Bi-194m1
83-Bi-194m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
14
83-Bi-196m

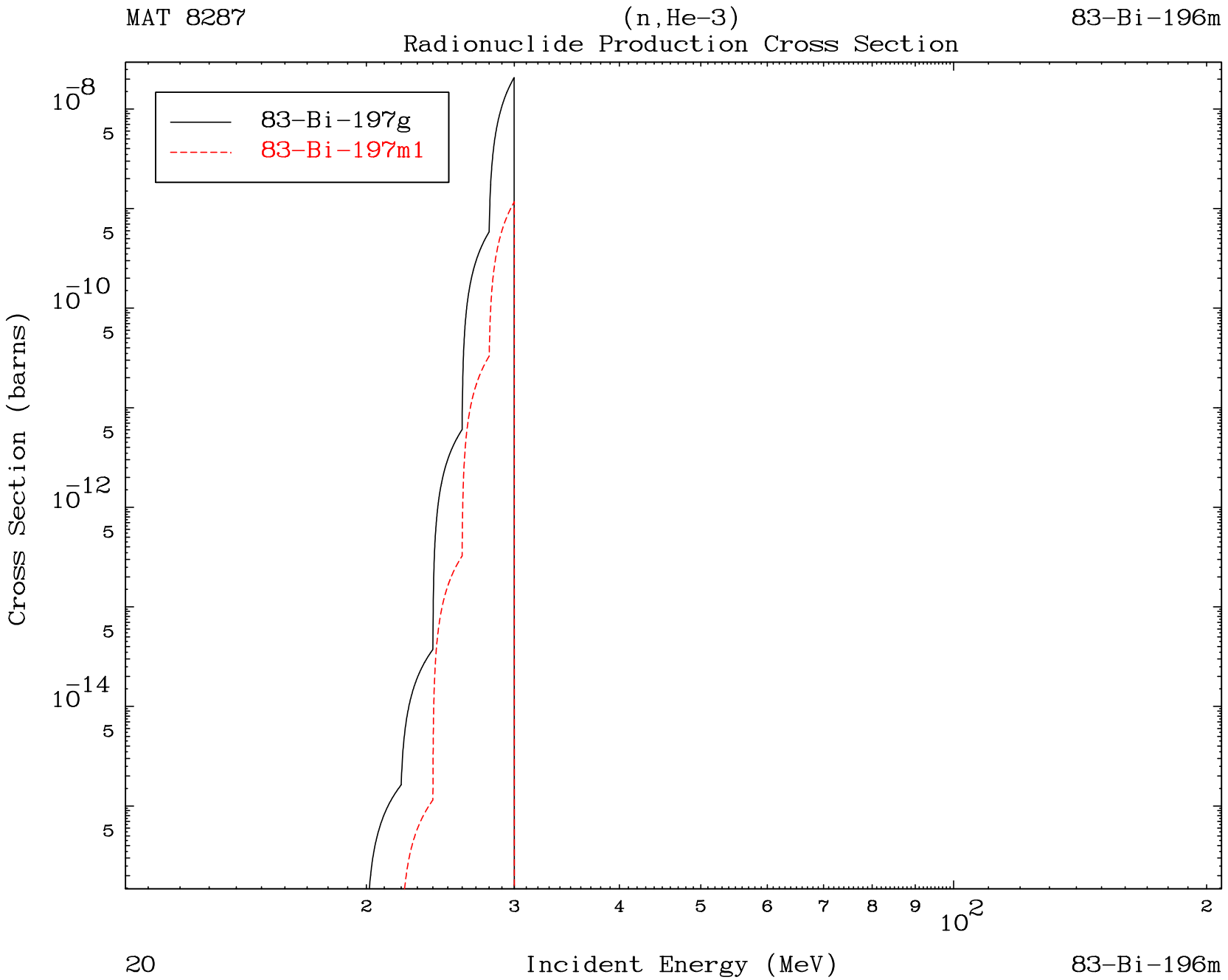

MAT 8287
(n,2n) p
83-Bi-196m
Radionuclide Production Cross Section
84-Po-197g
84-Po-197m2
Cross Section (barns)
10-10
10-12
10-14
10-16
5
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
15
83-Bi-196m

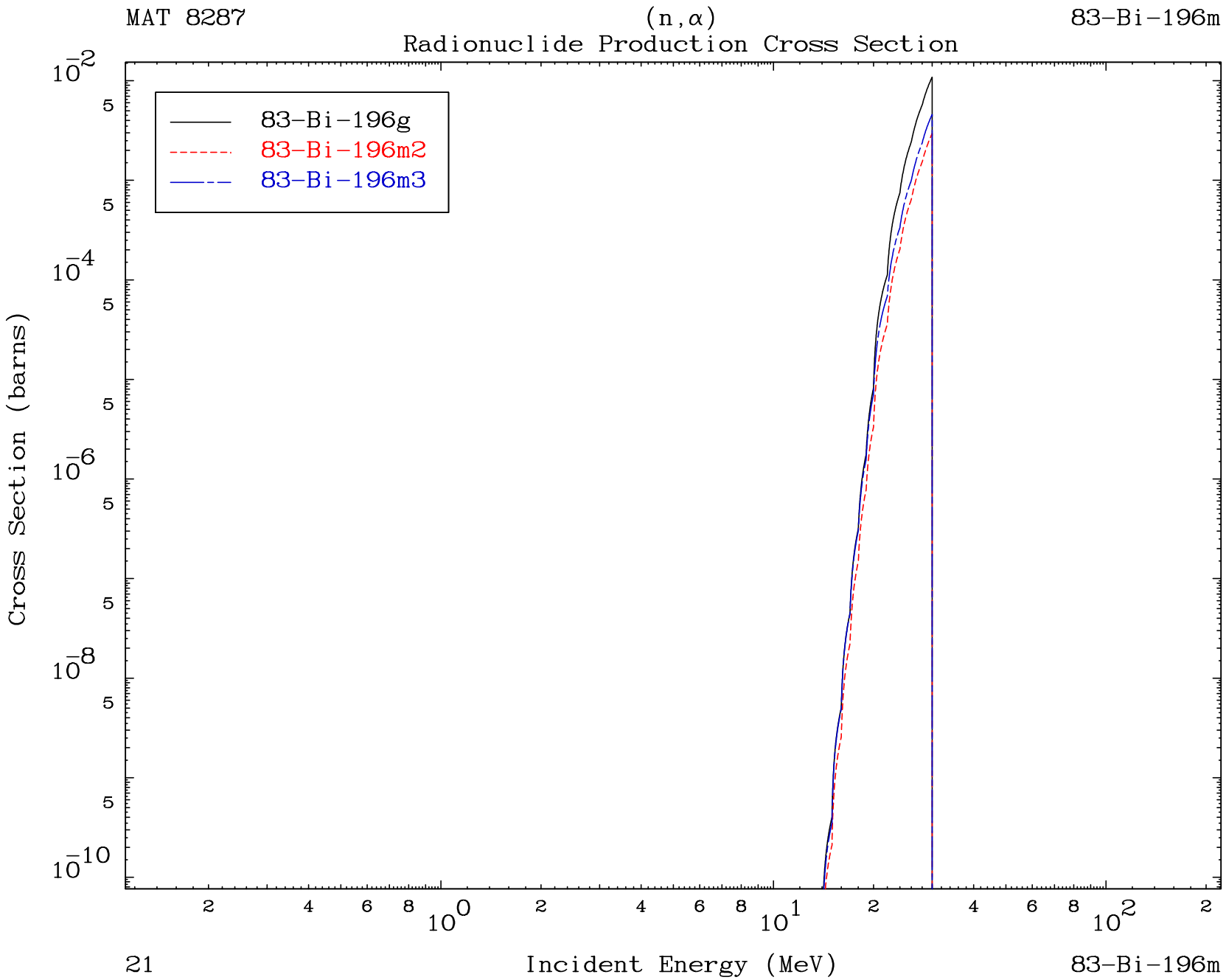

MAT 8287
(n,2n) p
83-Bi-196m
Radionuclide Production Cross Section
83-Bi-197g
83-Bi-197m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
83-Bi-196m

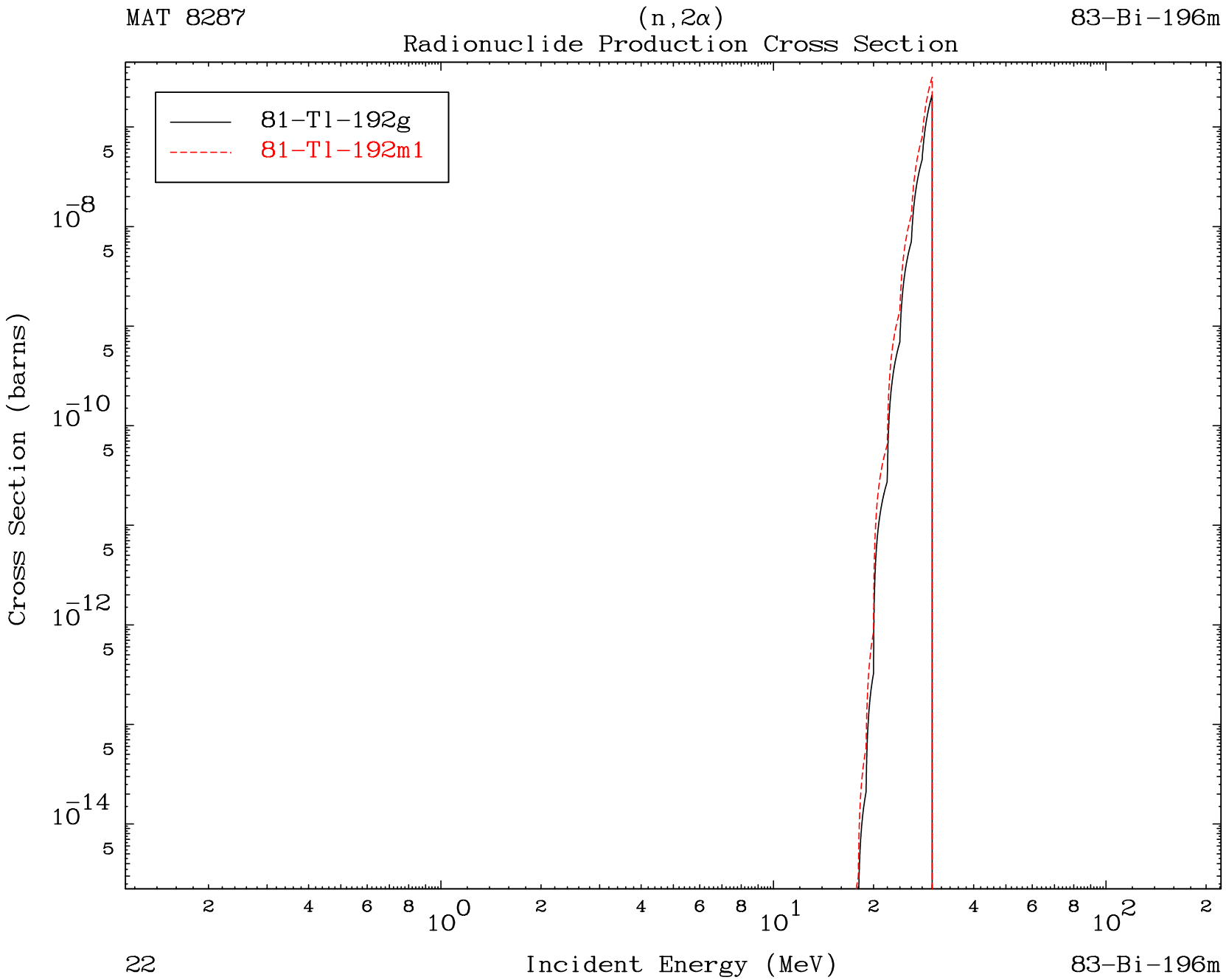

MAT 8287
(n,γ)
83-Bi-196m
Radionuclide Production Cross Section
85-At-200g
85-At-200m1
85-At-200m3
Cross Section (barns)
Incident Energy (MeV)
17
83-Bi-196m

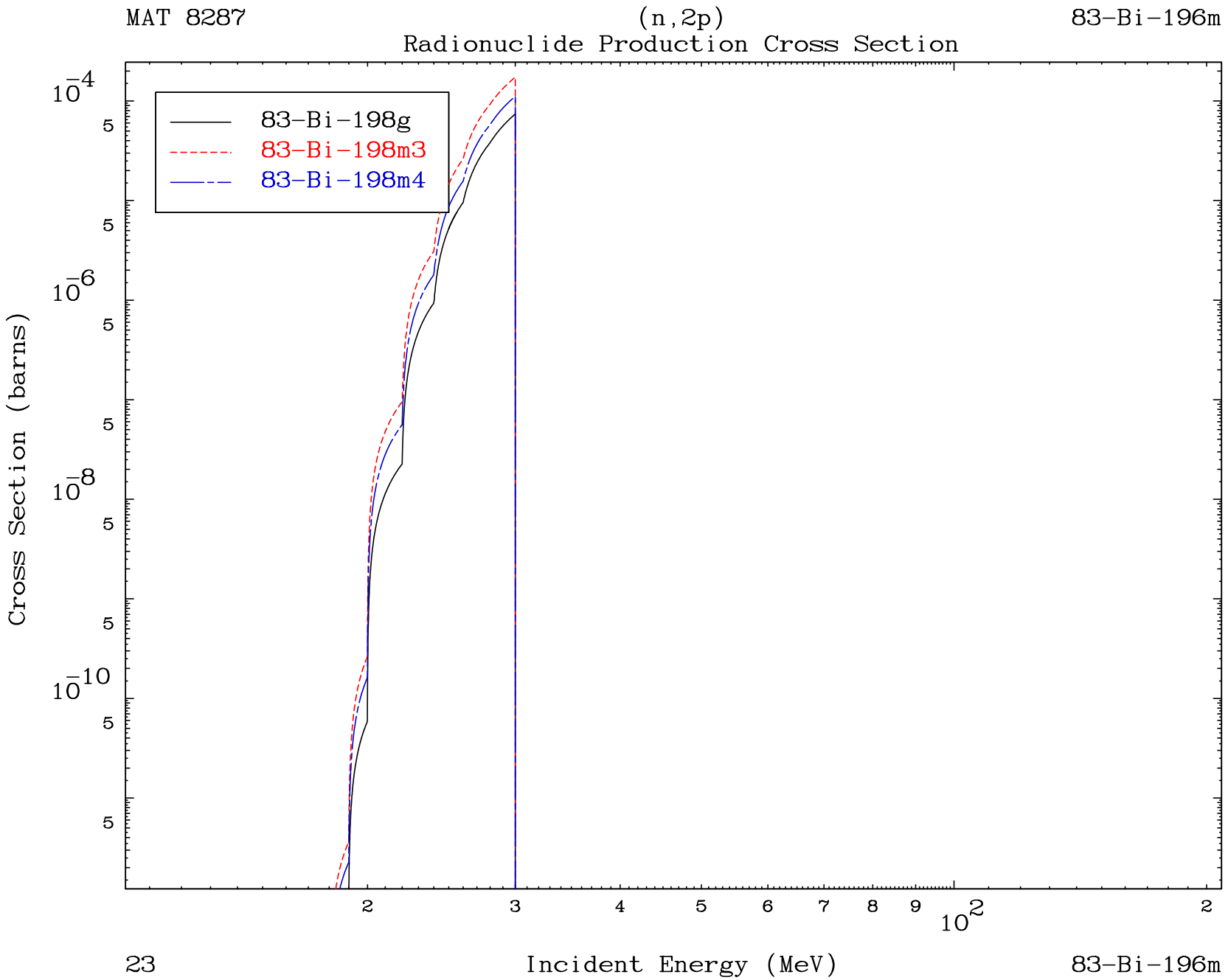

MAT 8287
(n,p)
83-Bi-196m
Radionuclide Production Cross Section
84-Po-199g
84-Po-199m2
Cross Section (barns)
Incident Energy (MeV)
18
83-Bi-196m

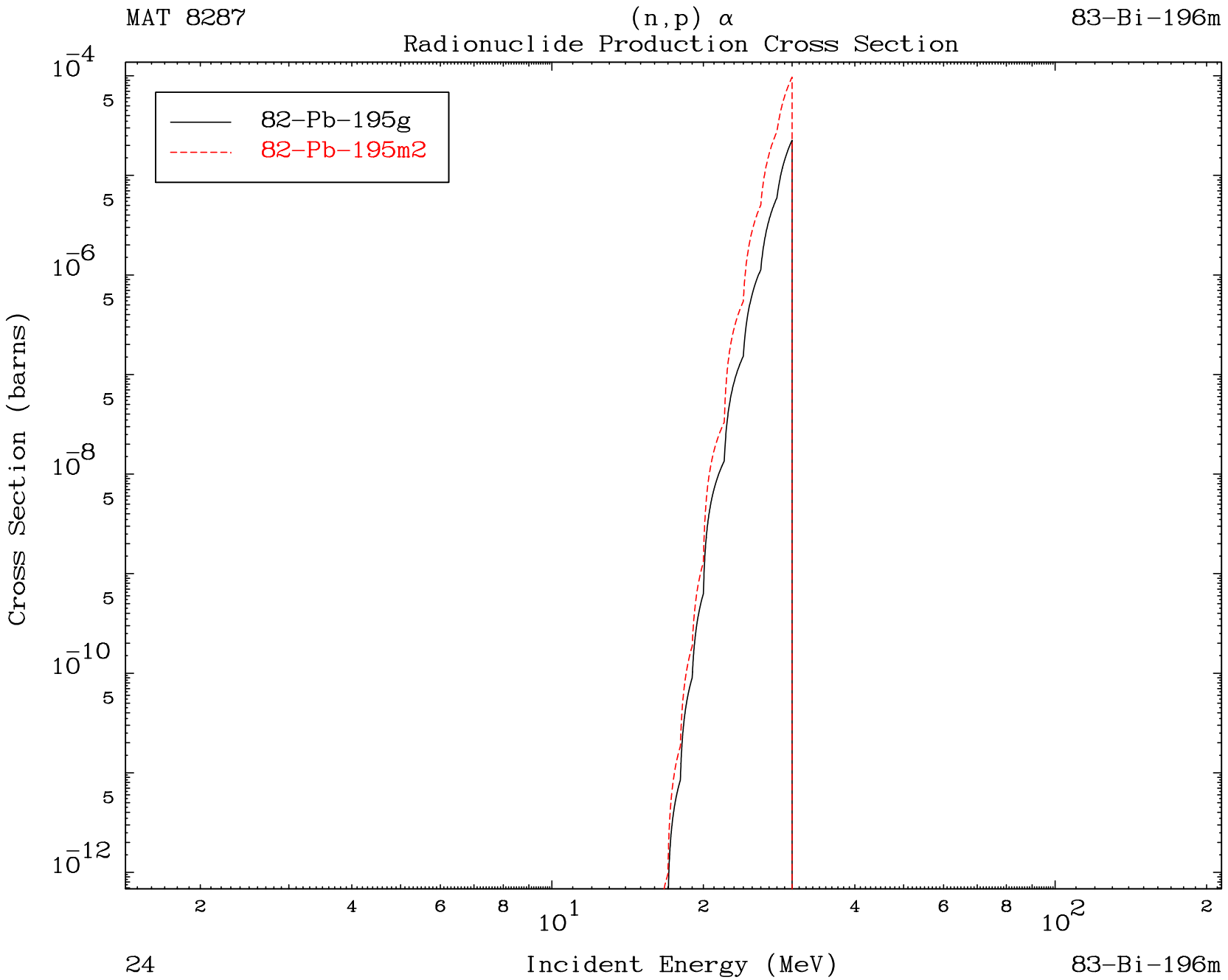

MAT 8287
(n,t)
83-Bi-196m
Radionuclide Production Cross Section
84-Po-197g
84-Po-197m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
19
Incident Energy (MeV)
83-Bi-196m

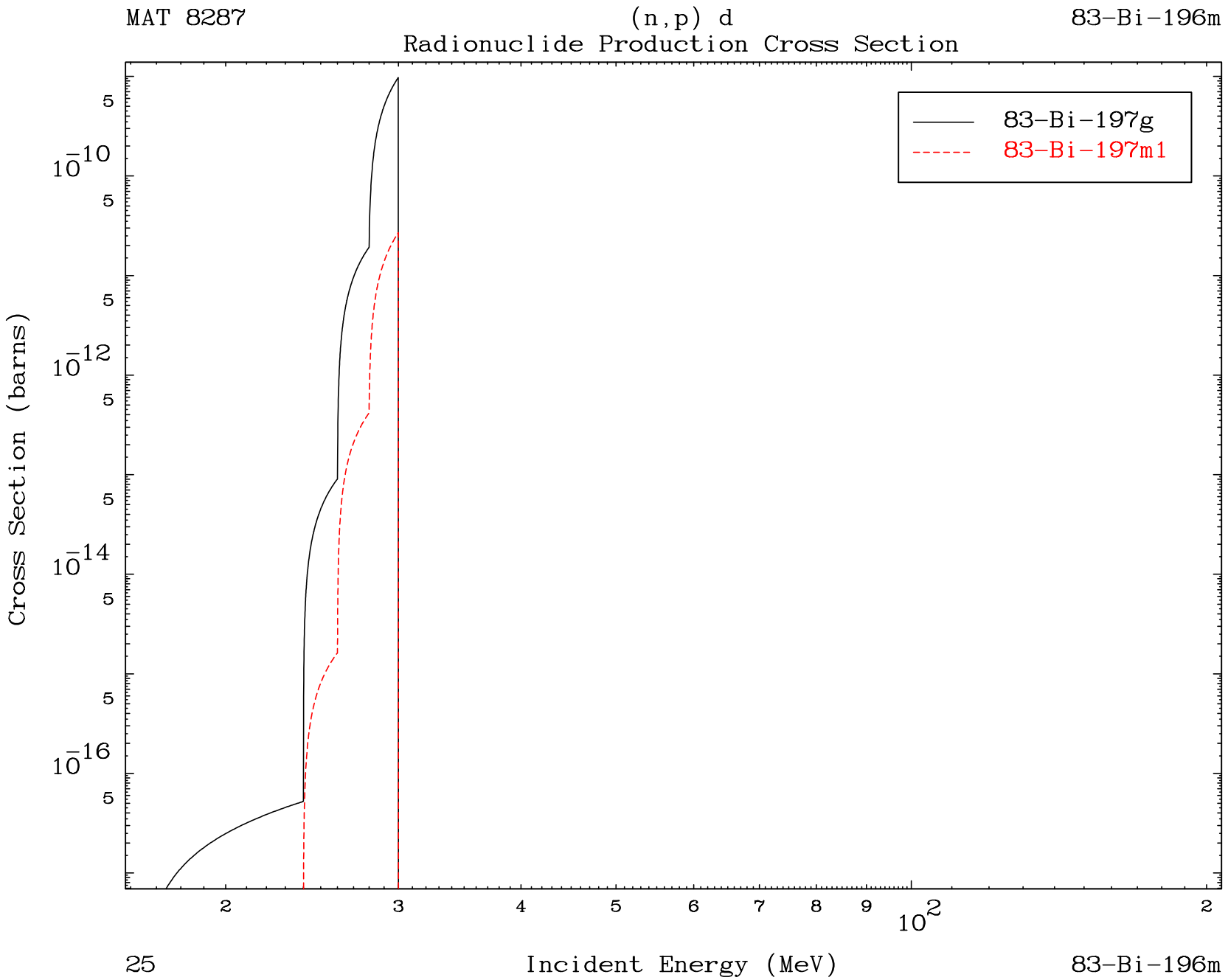

MAT 8287
(n,He-3)
83-Bi-196m
Radionuclide Production Cross Section
83-Bi-197g
83-Bi-197m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10^2
2
20
Incident Energy (MeV)
83-Bi-196m


MAT 8287
(n,α)
83-Bi-196m
Radionuclide Production Cross Section
83-Bi-196g
83-Bi-196m2
83-Bi-196m3
Cross Section (barns)
Incident Energy (MeV)
21
83-Bi-196m


MAT 8287
(n,2α)
83-Bi-196m
Radionuclide Production Cross Section
81-Tl-192g
81-Tl-192m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
10^0
10^1
10^2
Incident Energy (MeV)
22
83-Bi-196m


MAT 8287
(n,2p)
83-Bi-196m
Radionuclide Production Cross Section
83-Bi-198g
83-Bi-198m3
83-Bi-198m4
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
23
Incident Energy (MeV)
83-Bi-196m


MAT 8287
(n,p) α
83-Bi-196m
Radionuclide Production Cross Section
82-Pb-195g
82-Pb-195m2
Cross Section (barns)
Incident Energy (MeV)
24
83-Bi-196m


MAT 8287
(n,p) d
83-Bi-196m
Radionuclide Production Cross Section
83-Bi-197g
83-Bi-197m1
Cross Section (barns)
Incident Energy (MeV)
25
83-Bi-196m