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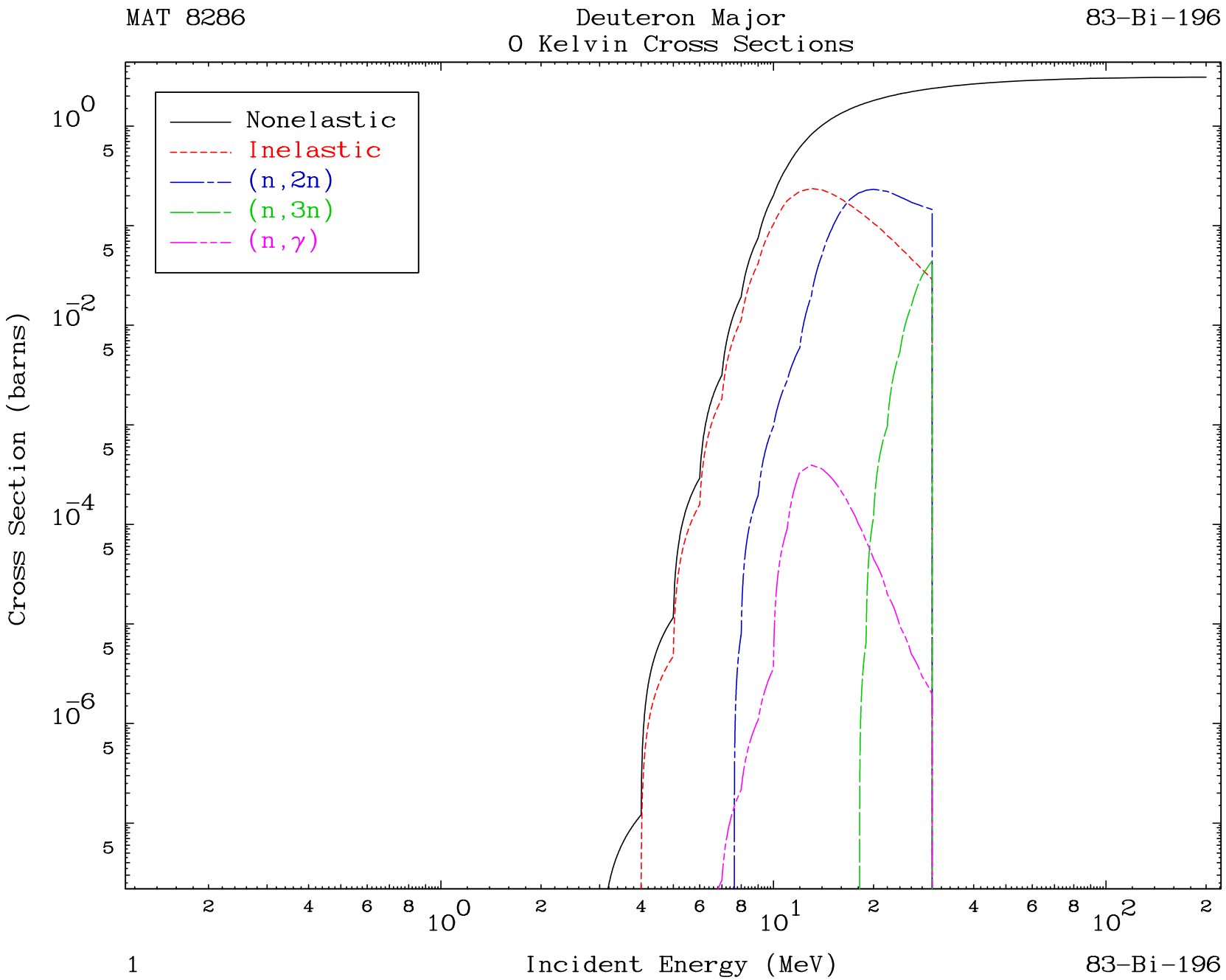
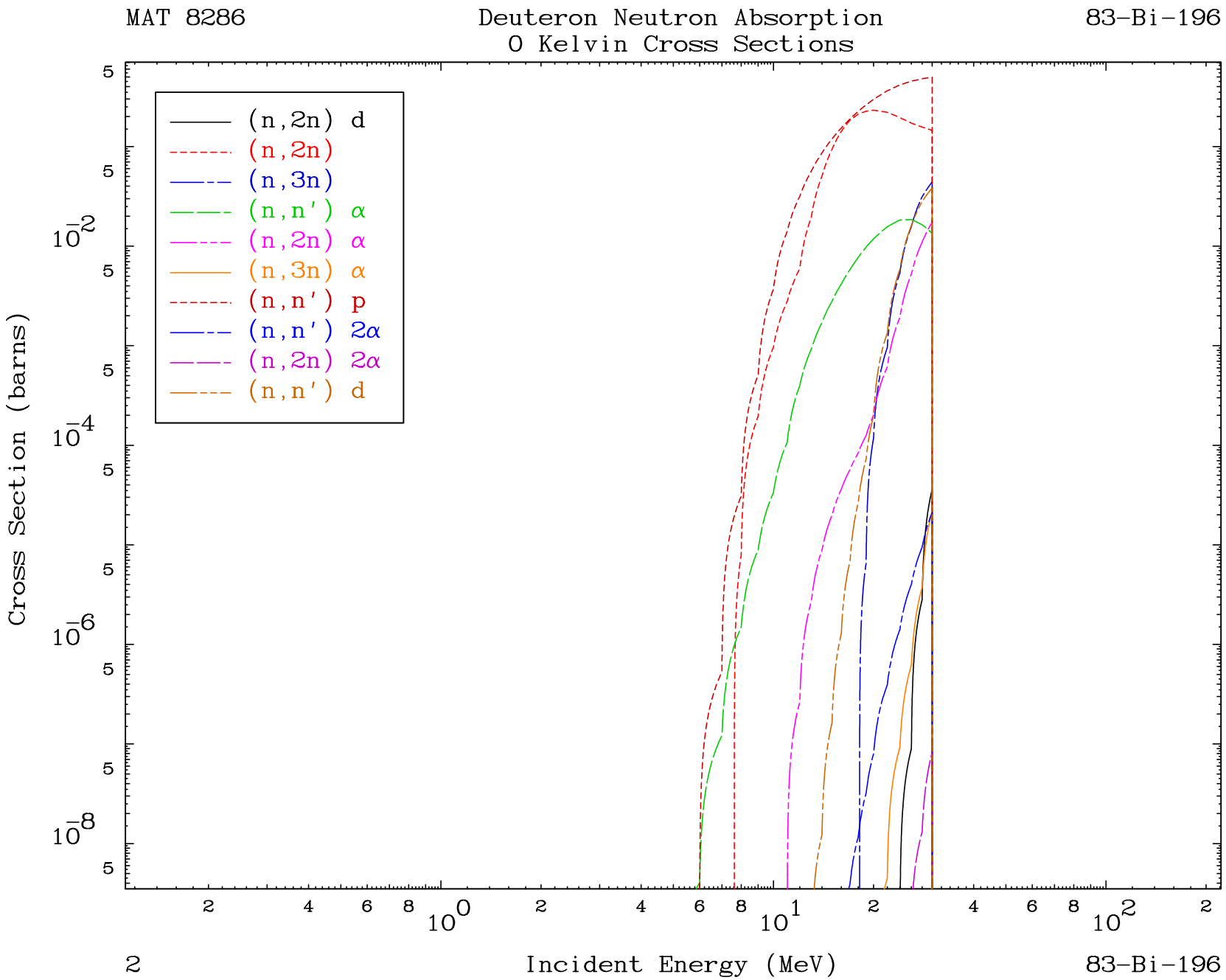
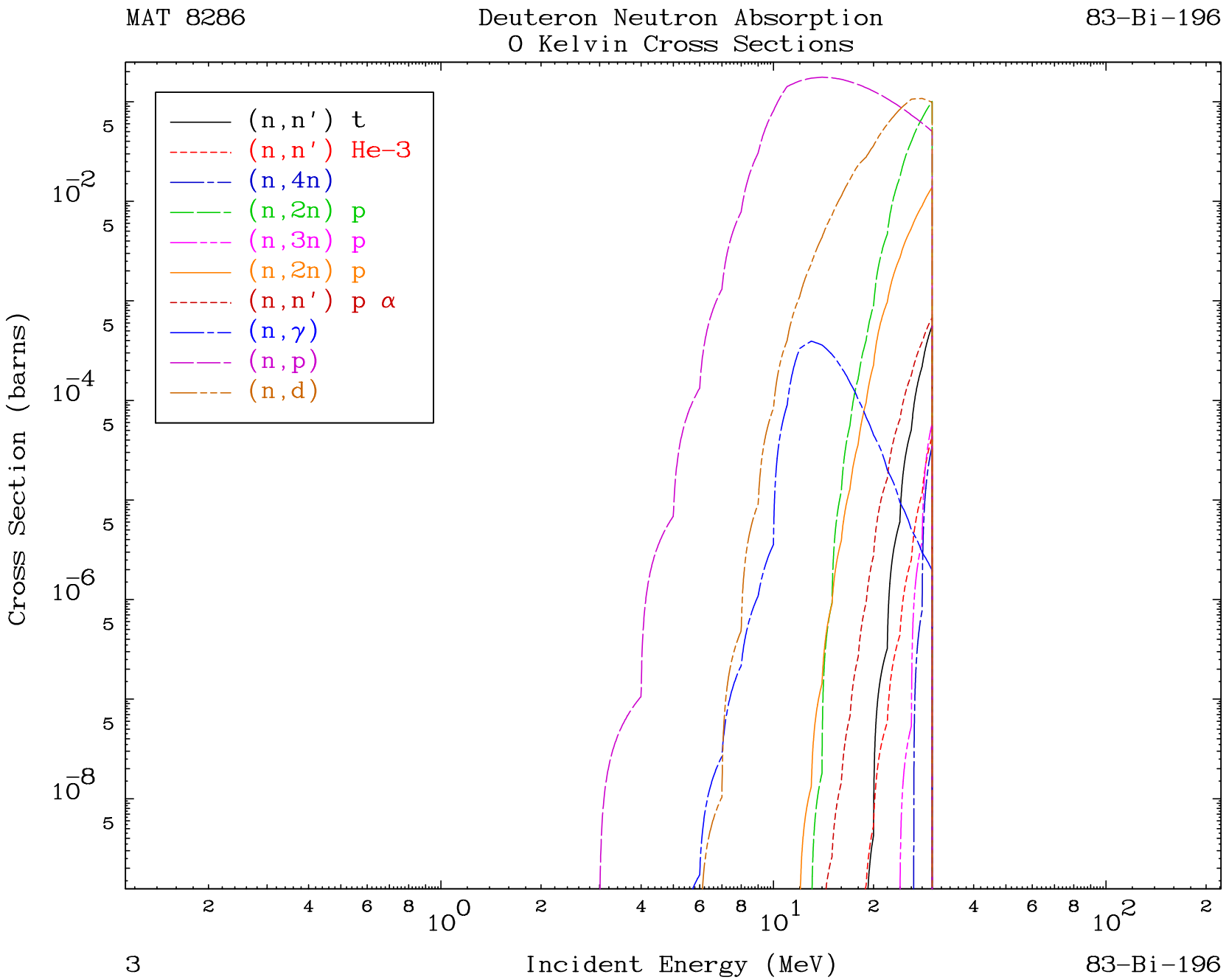
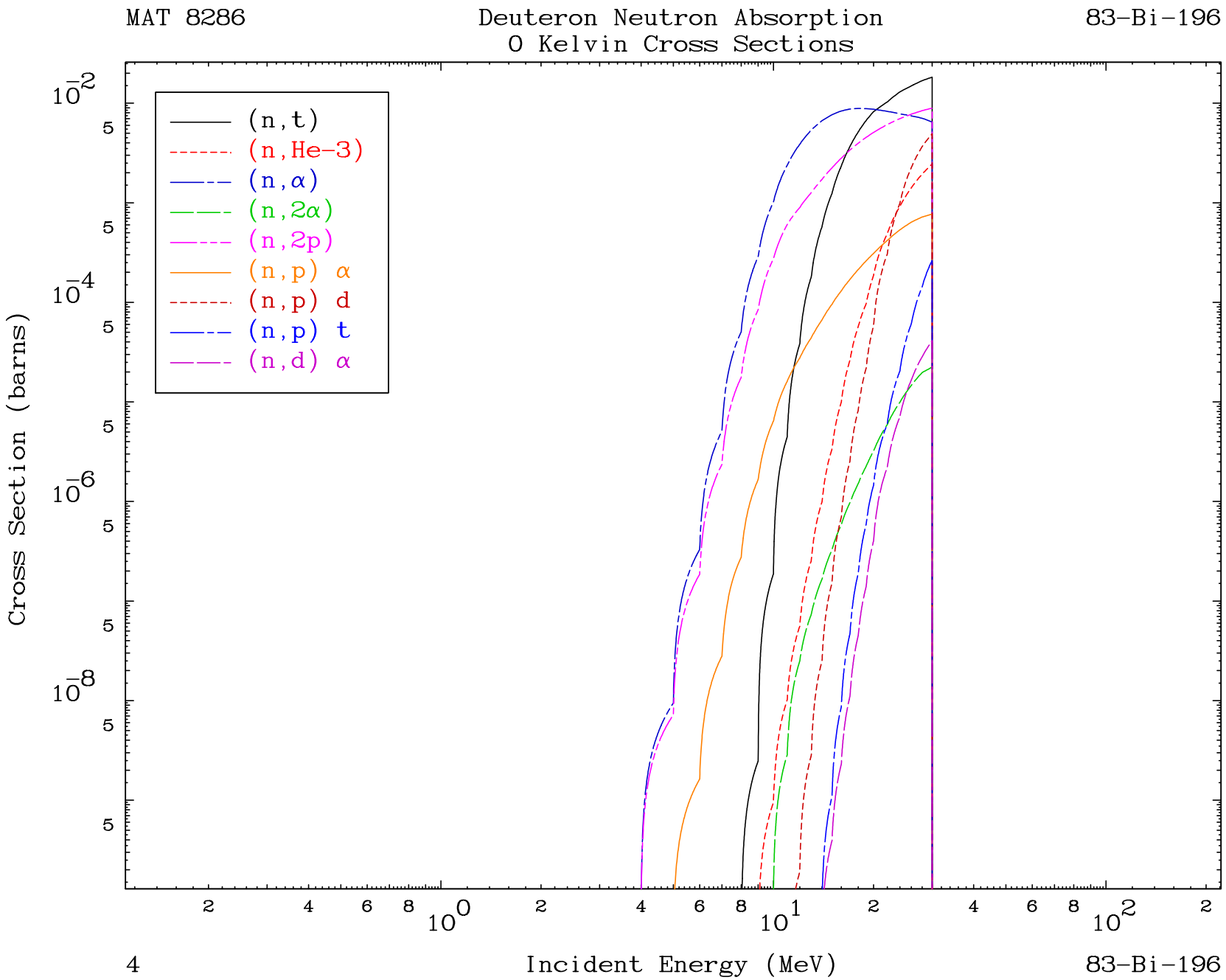
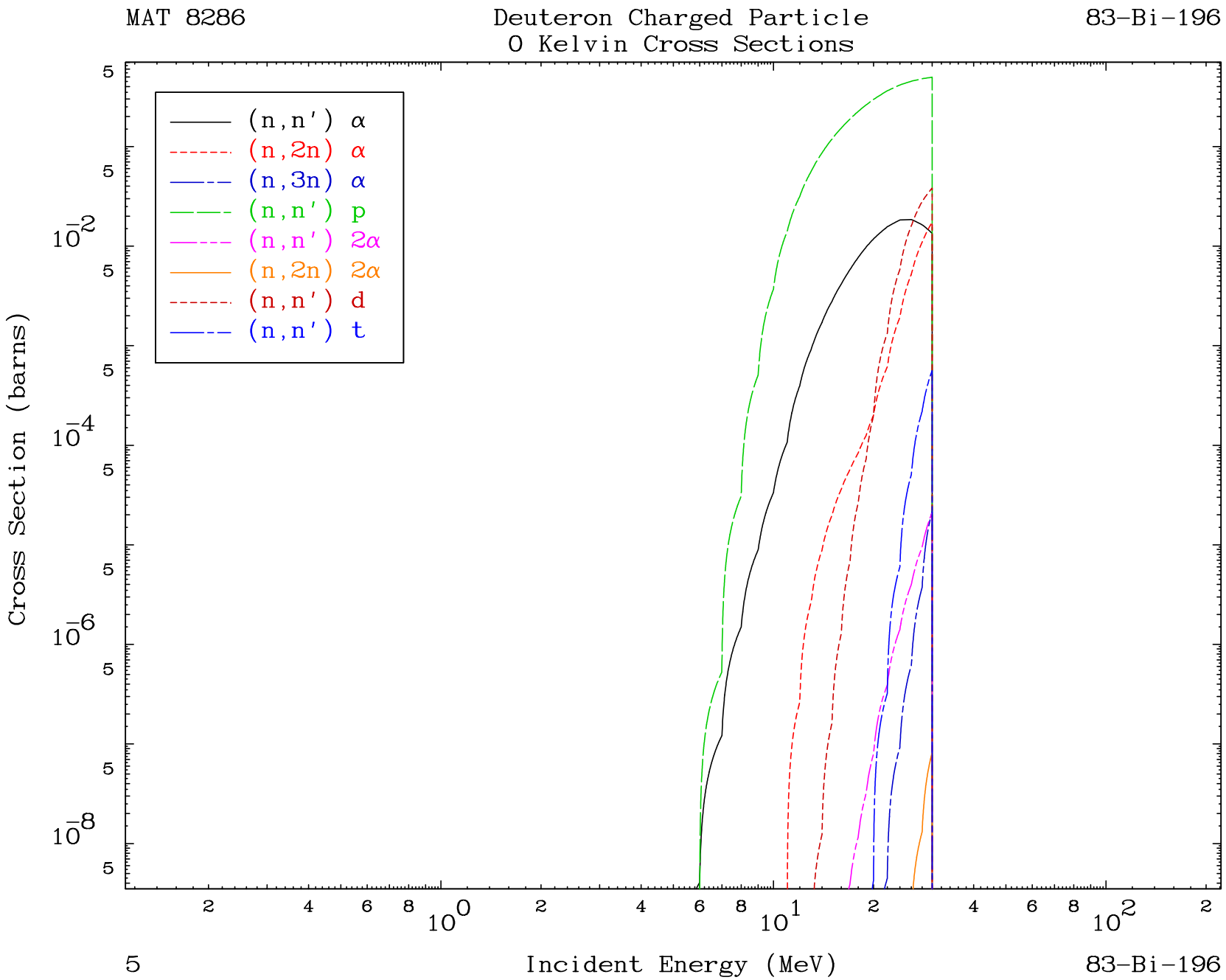
Press Mouse Button to Start

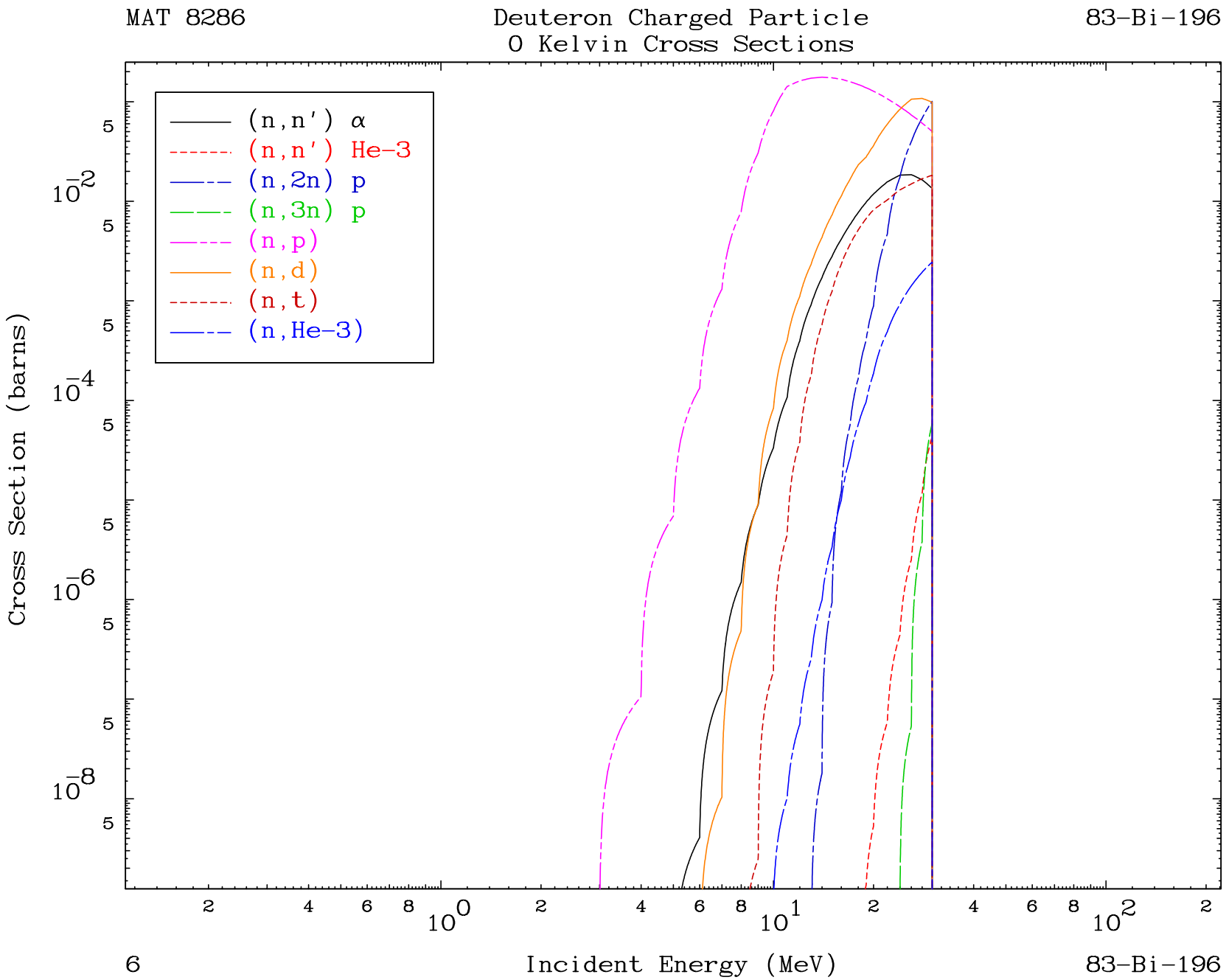

MAT 8286
Deuteron Major
0 Kelvin Cross Sections
83-Bi-196
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
83-Bi-196

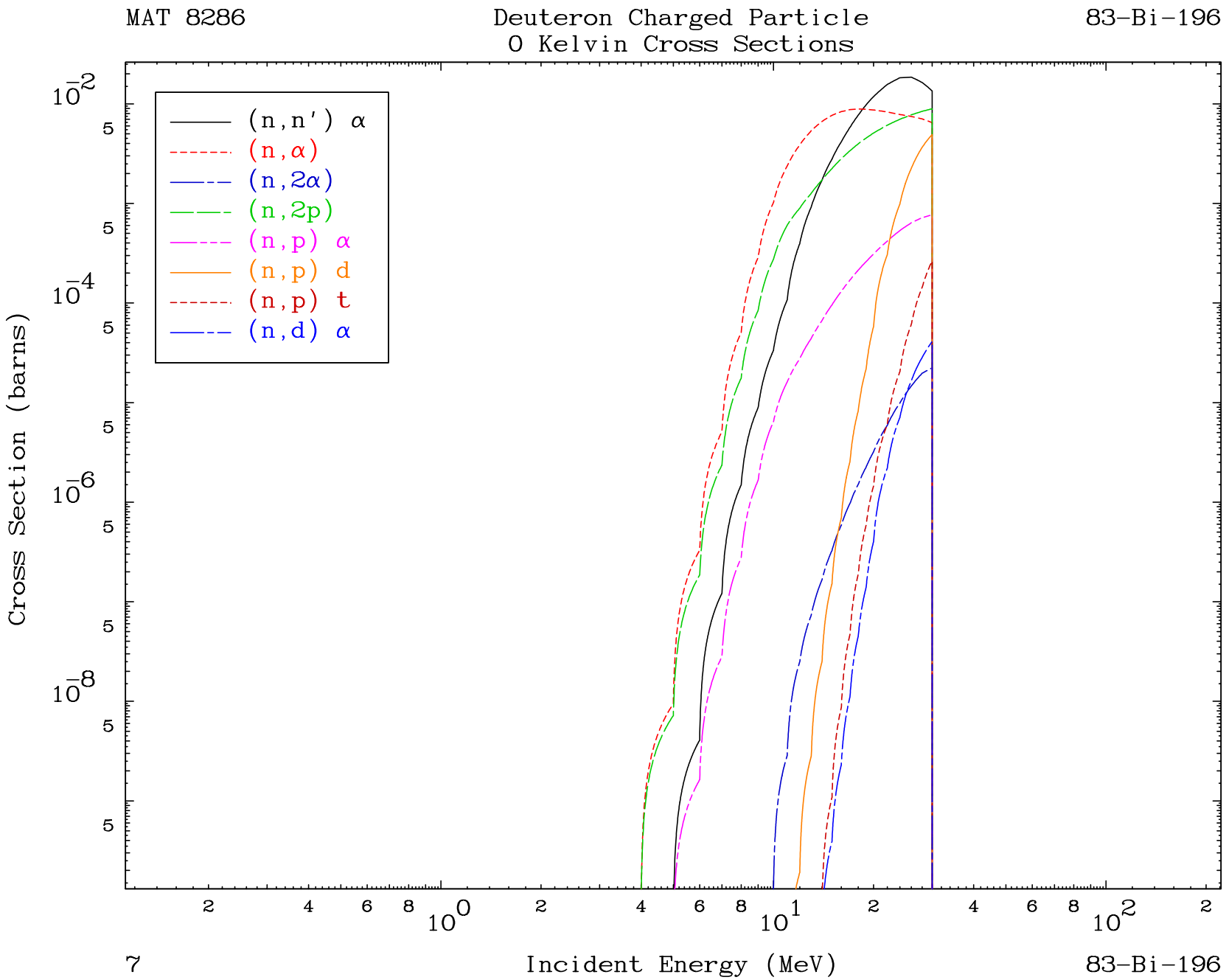

MAT 8286
Deuteron Neutron Absorption
0 Kelvin Cross Sections
83-Bi-196
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
83-Bi-196
2

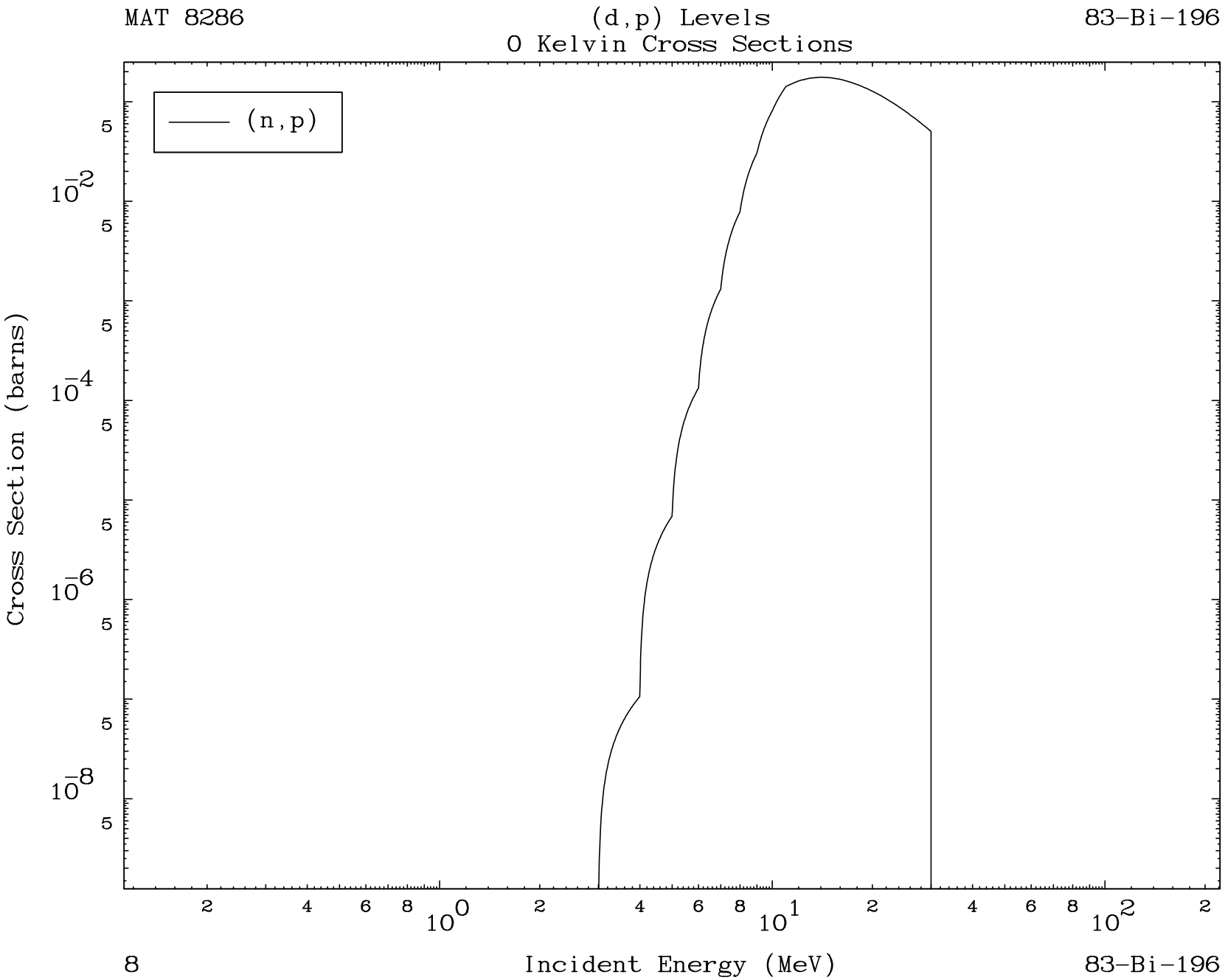

MAT 8286
Deuteron Neutron Absorption
0 Kelvin Cross Sections
83-Bi-196
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
83-Bi-196

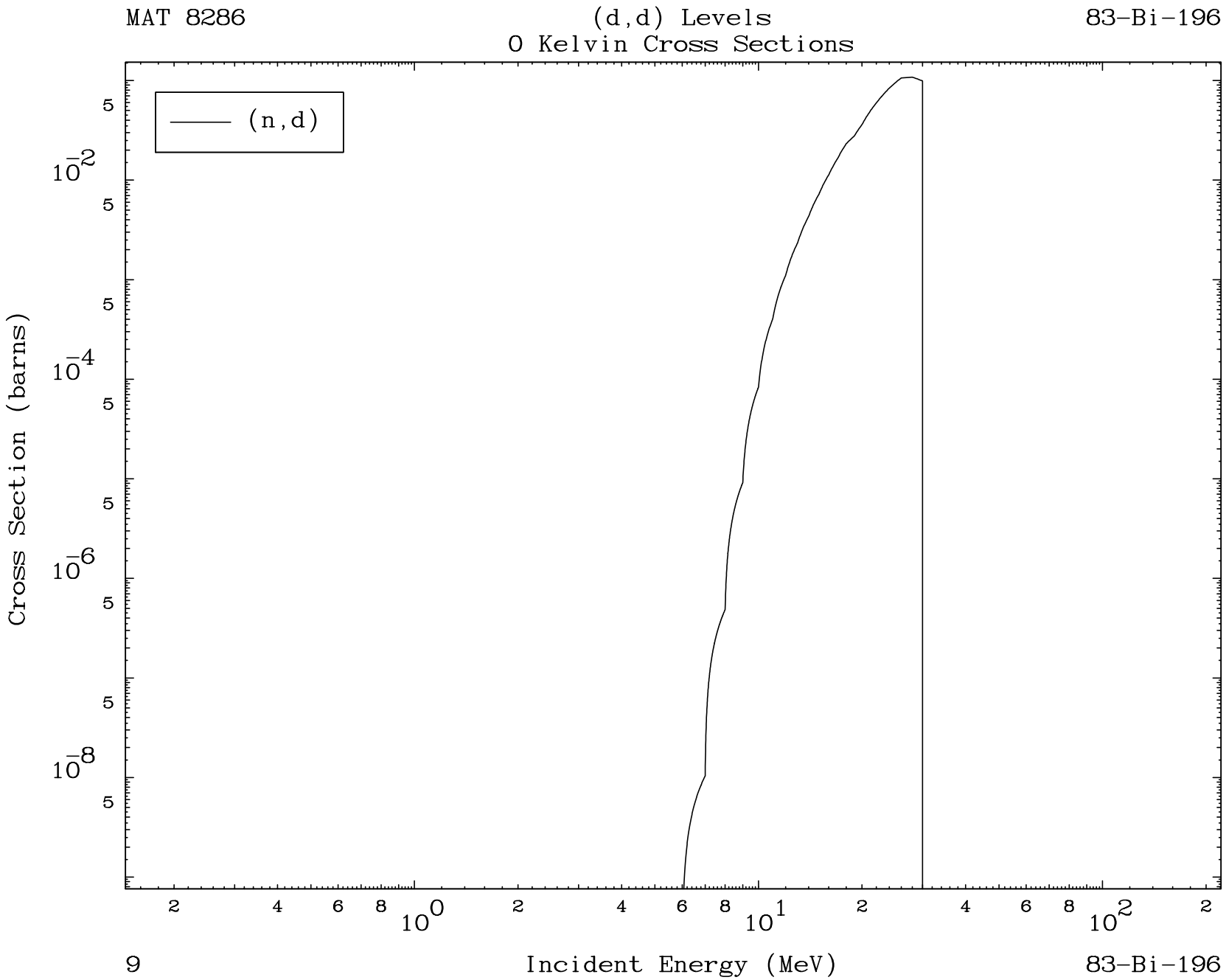

MAT 8286
Deuteron Neutron Absorption
0 Kelvin Cross Sections
83-Bi-196
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
83-Bi-196

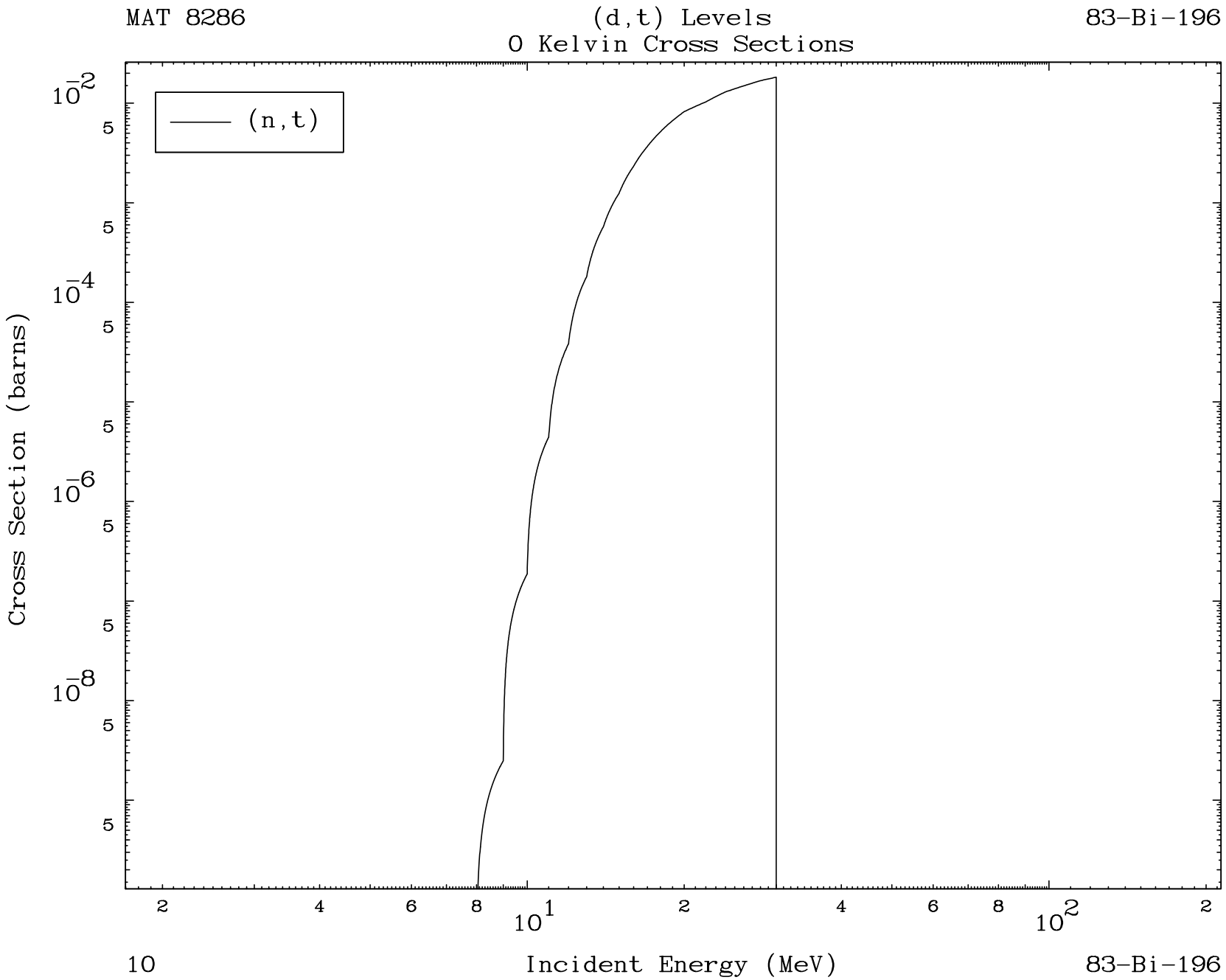

MAT 8286
Deuteron Charged Particle
0 Kelvin Cross Sections
83-Bi-196
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
83-Bi-196

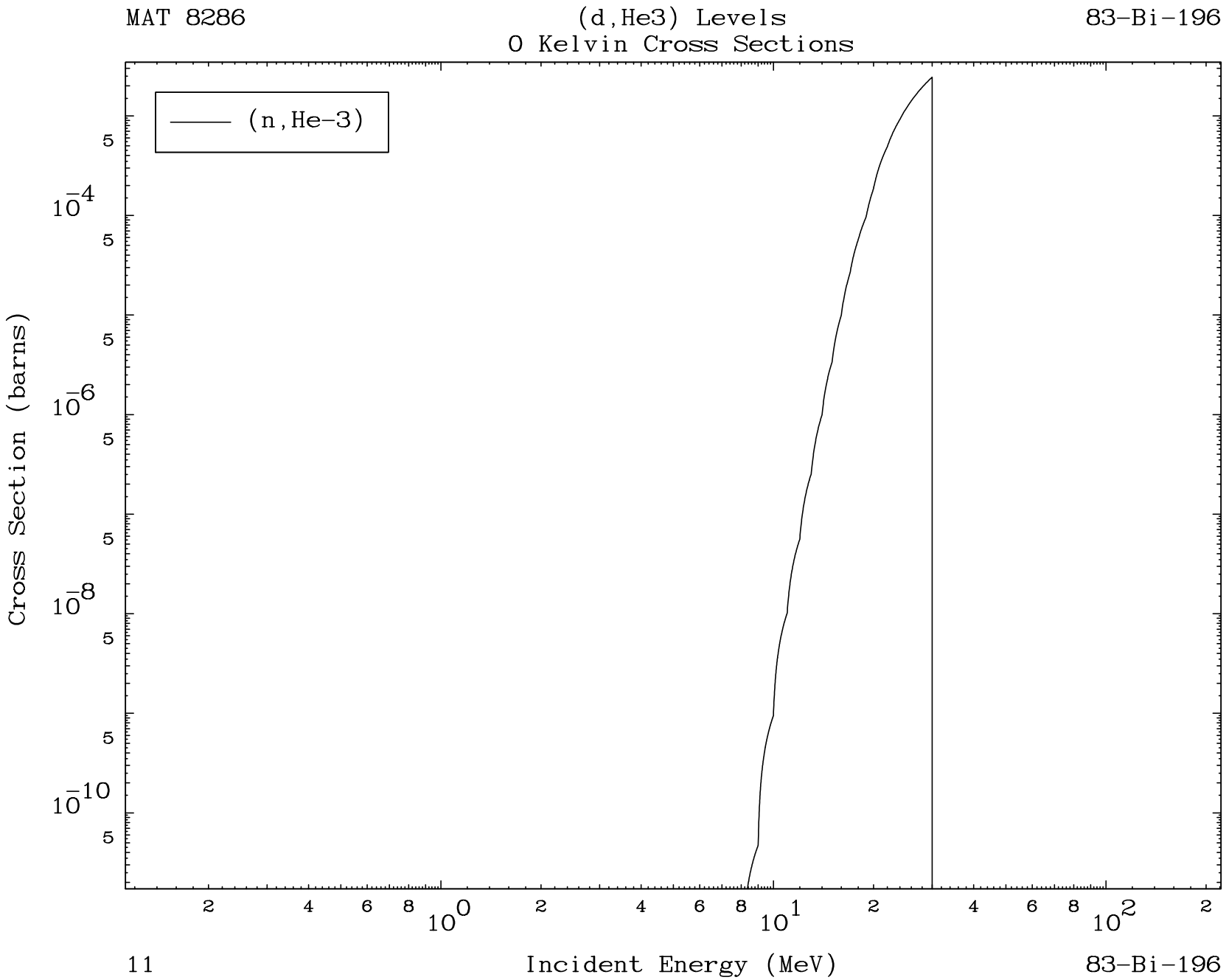

MAT 8286
Deuteron Charged Particle
0 Kelvin Cross Sections
83-Bi-196
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
6
83-Bi-196

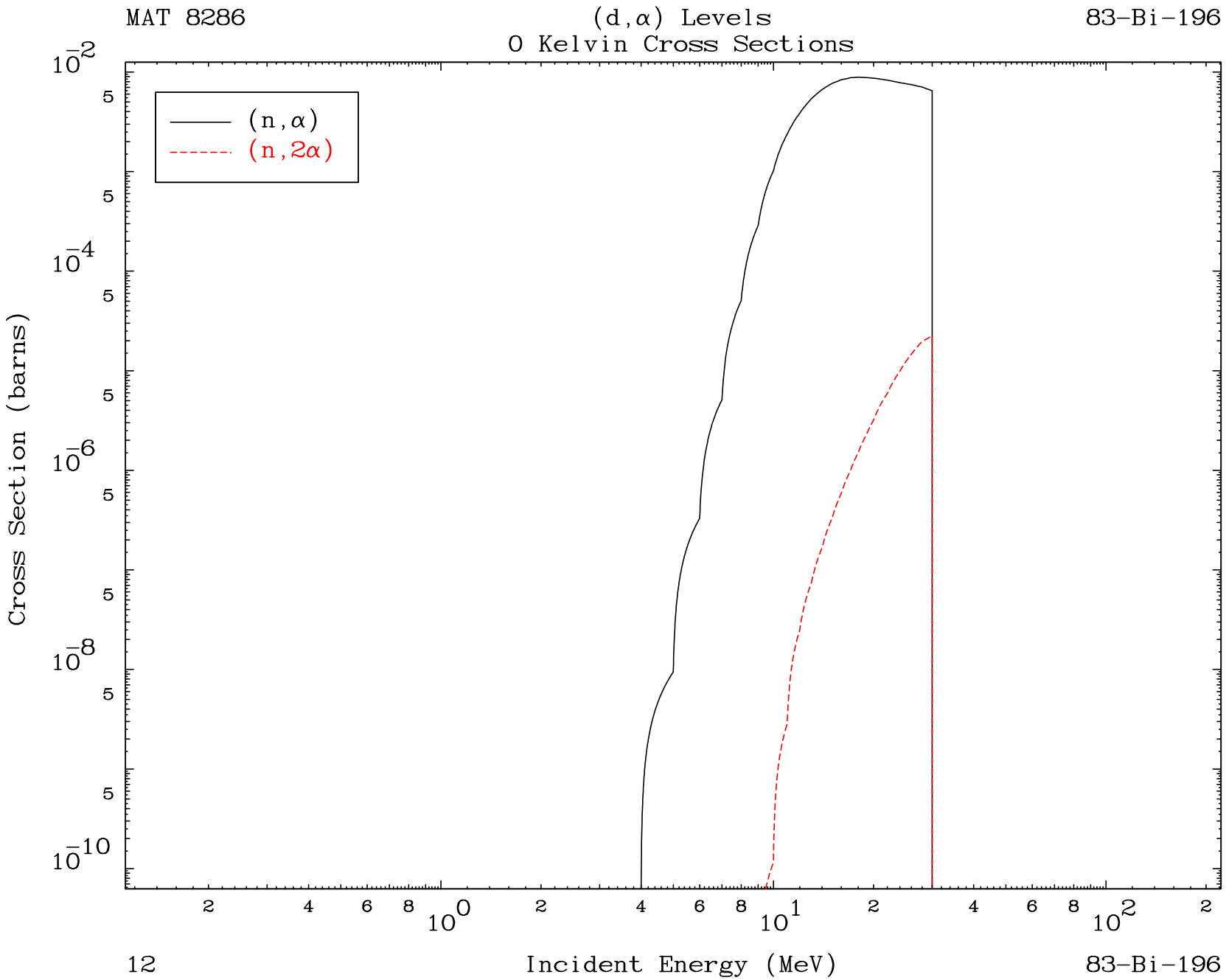

MAT 8286
Deuteron Charged Particle
0 Kelvin Cross Sections
83-Bi-196
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
83-Bi-196

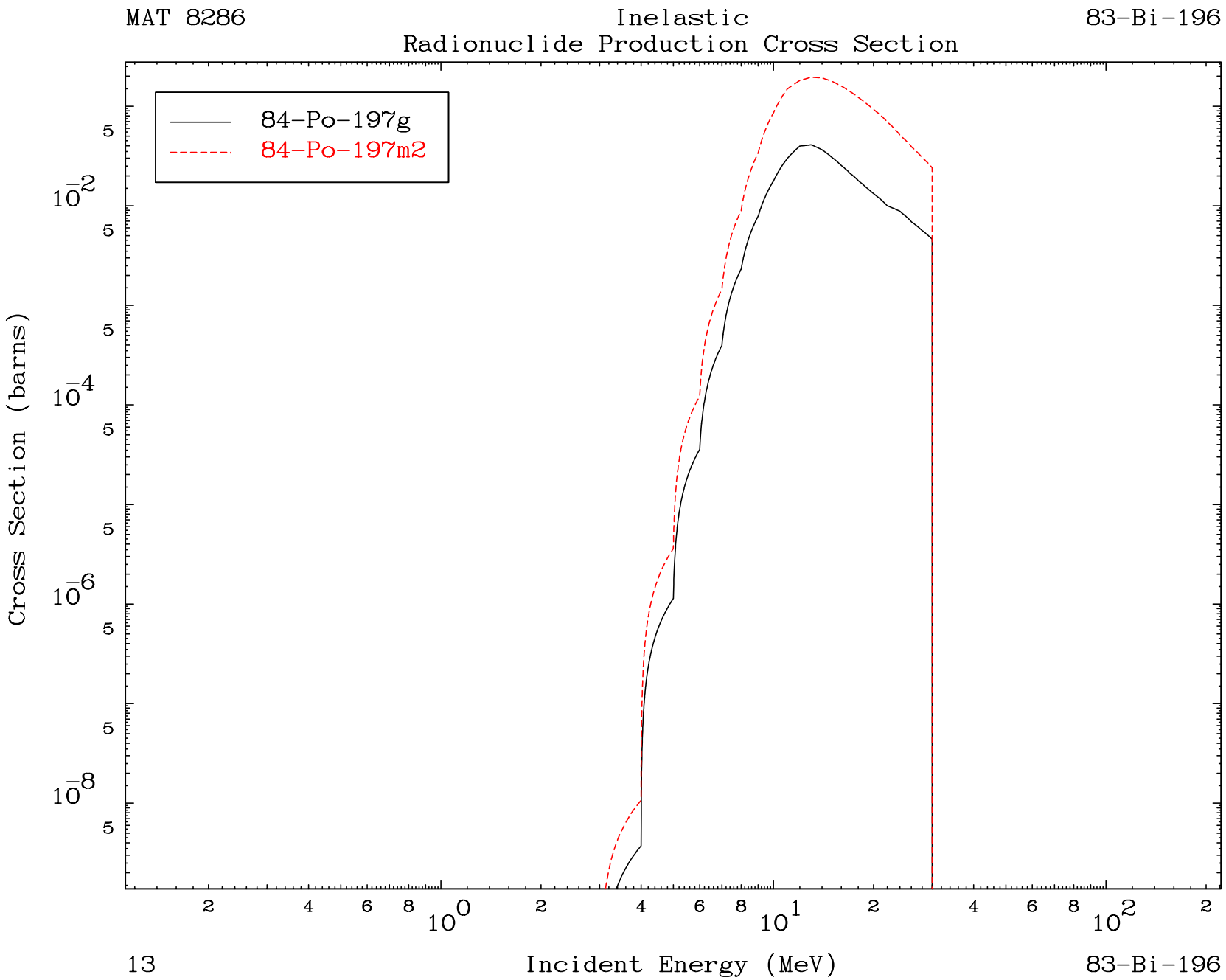

MAT 8286
(d,p) Levels
83-Bi-196
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
8
83-Bi-196

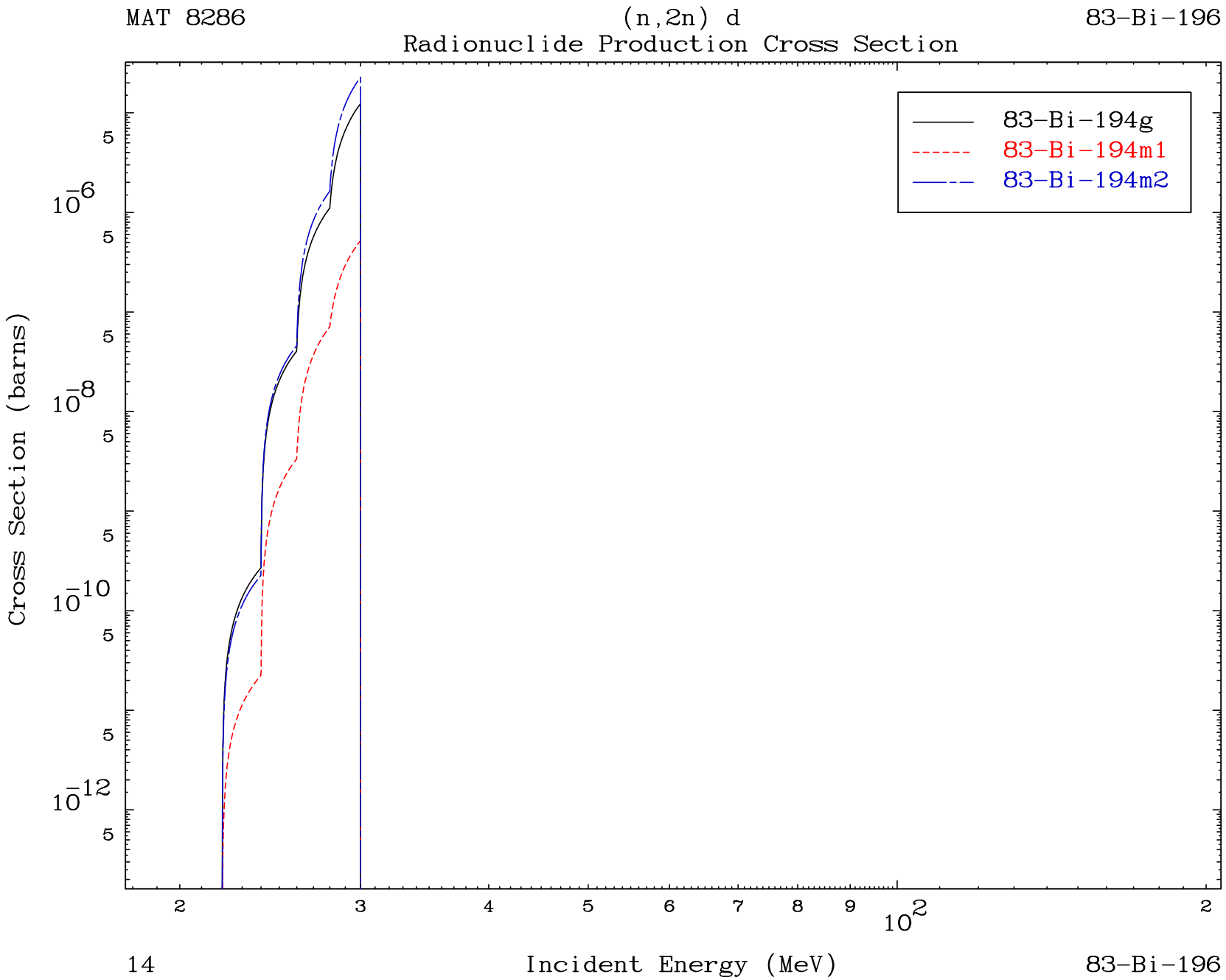

MAT 8286
(d,d) Levels
83-Bi-196
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
9
83-Bi-196

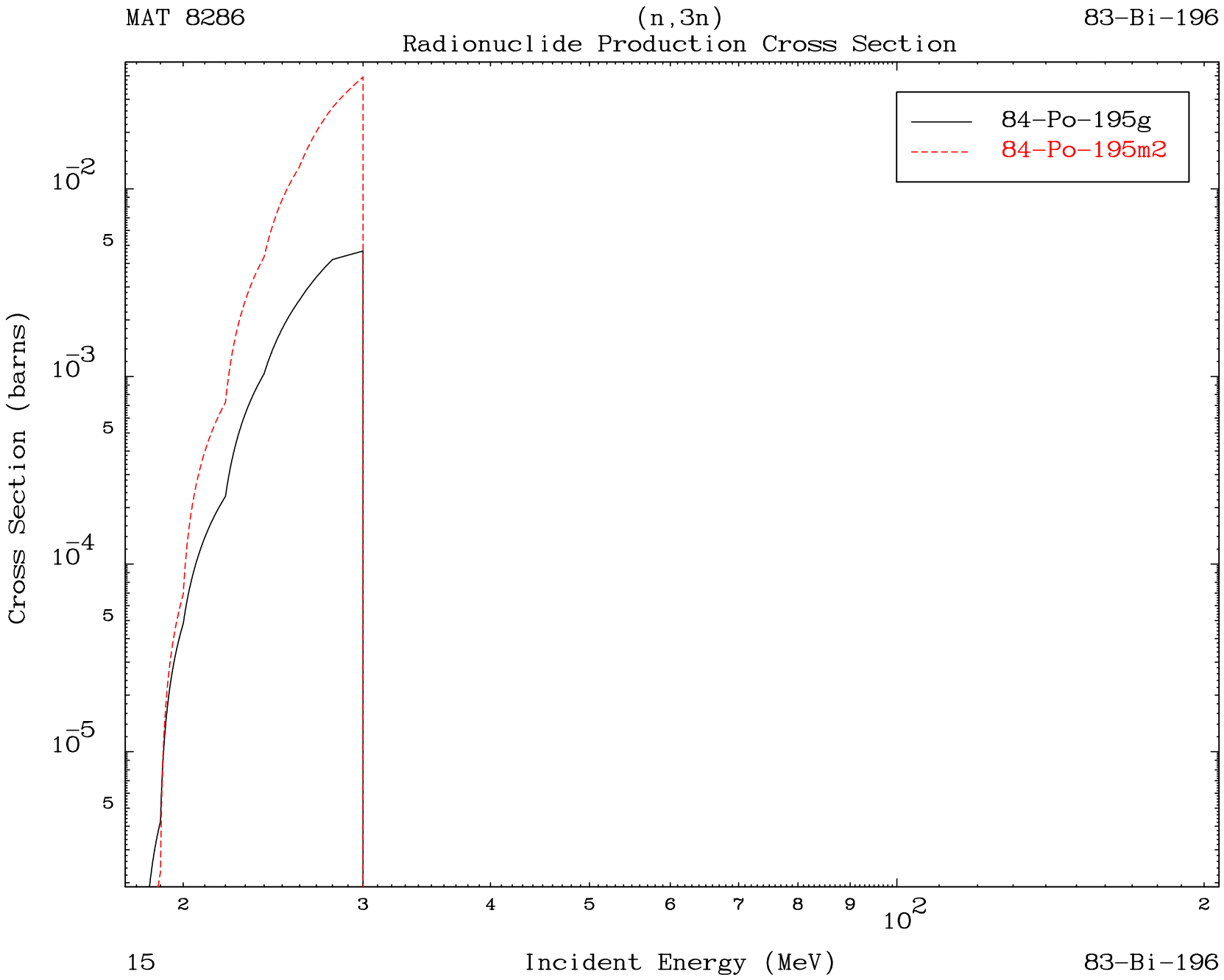

MAT 8286
(d,t) Levels
83-Bi-196
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
2
4
6
8
10^1
10^2
10
Incident Energy (MeV)
83-Bi-196

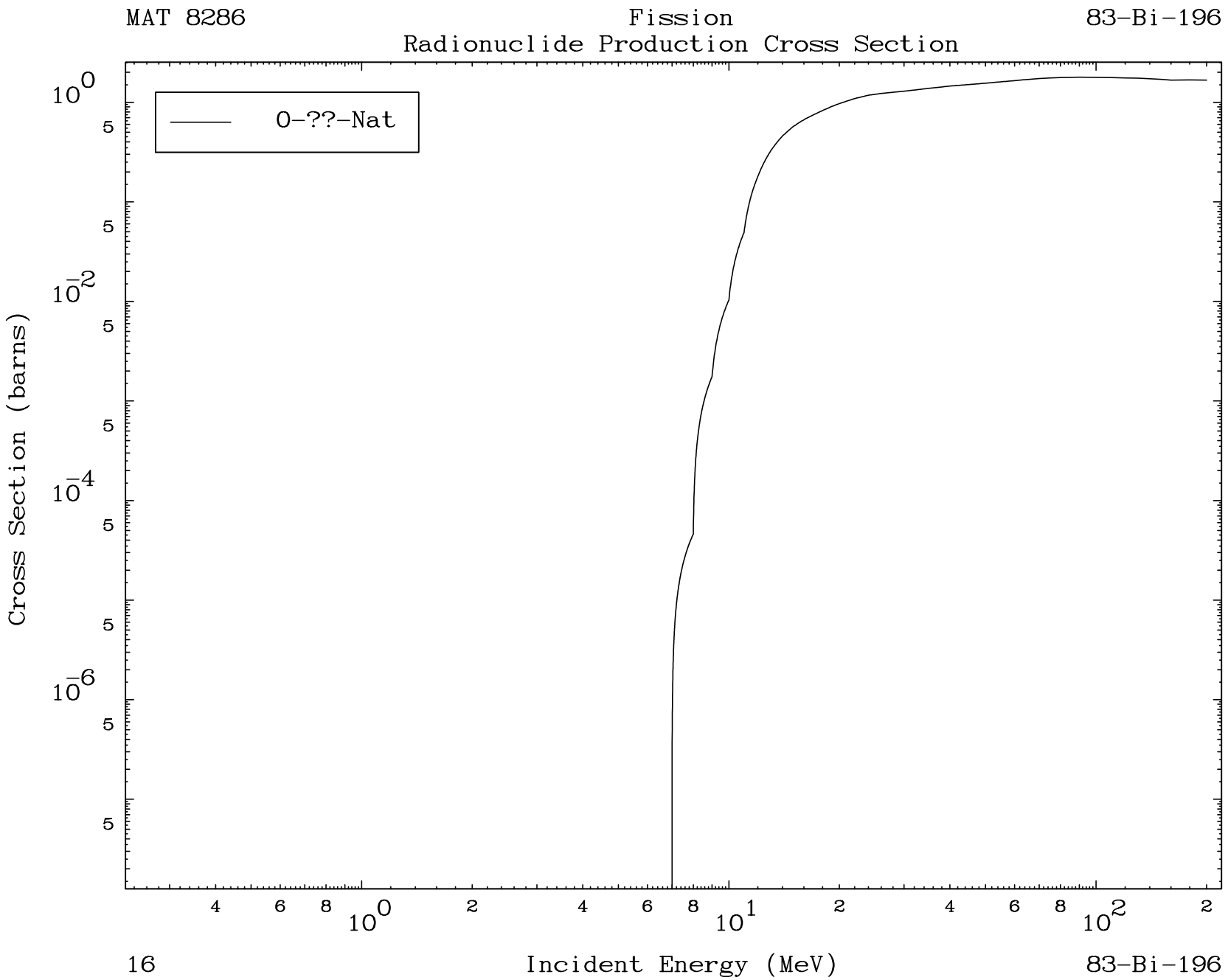

MAT 8286
(d,He3) Levels
0 Kelvin Cross Sections
83-Bi-196
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
11
83-Bi-196

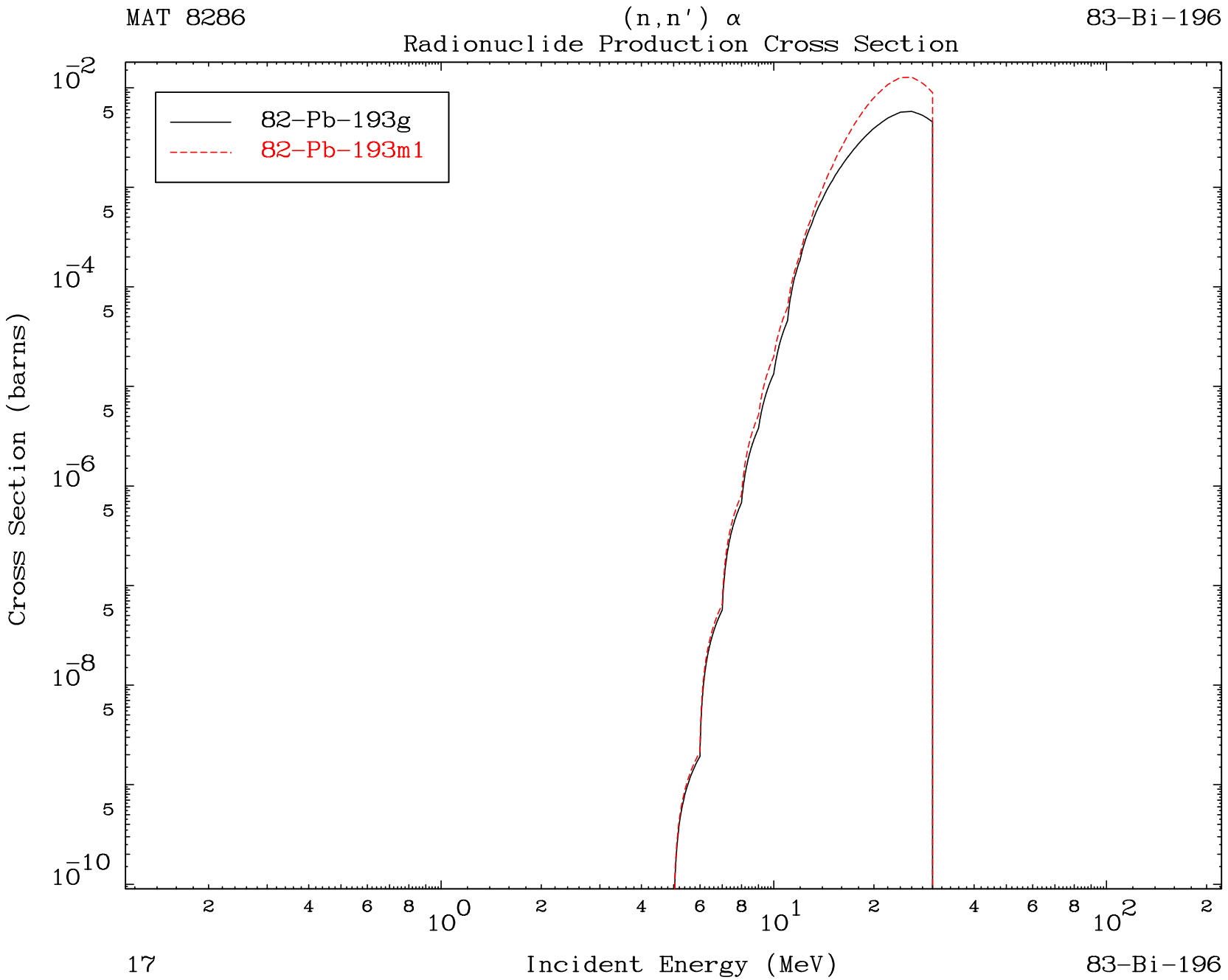

MAT 8286
(d,α) Levels
83-Bi-196
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
12
83-Bi-196

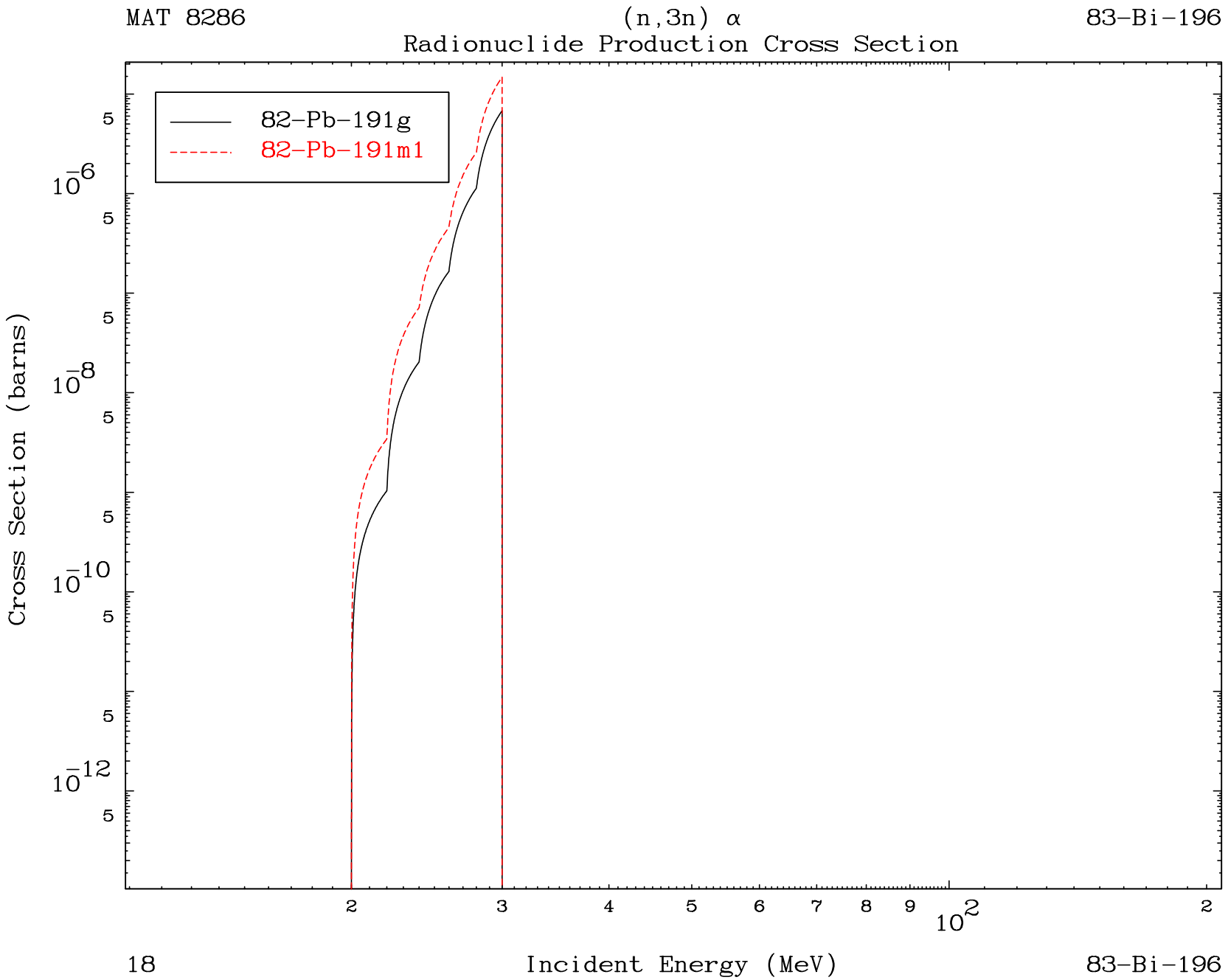

MAT 8286
Inelastic
83-Bi-196
Radionuclide Production Cross Section
84-Po-197g
84-Po-197m2
Cross Section (barns)
Incident Energy (MeV)
13
83-Bi-196

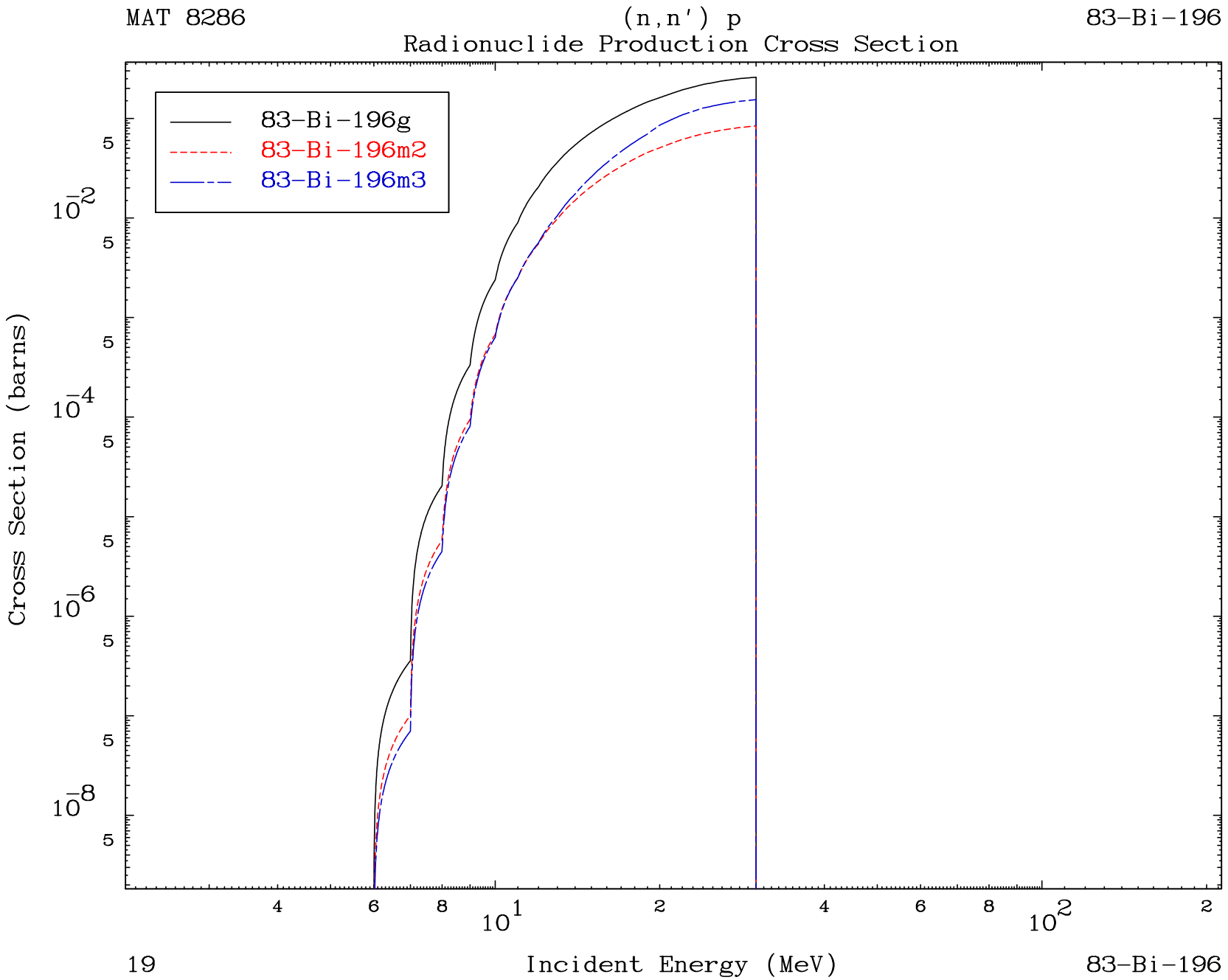

MAT 8286
(n,2n) d
83-Bi-196
Radionuclide Production Cross Section
83-Bi-194g
83-Bi-194m1
83-Bi-194m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
83-Bi-196

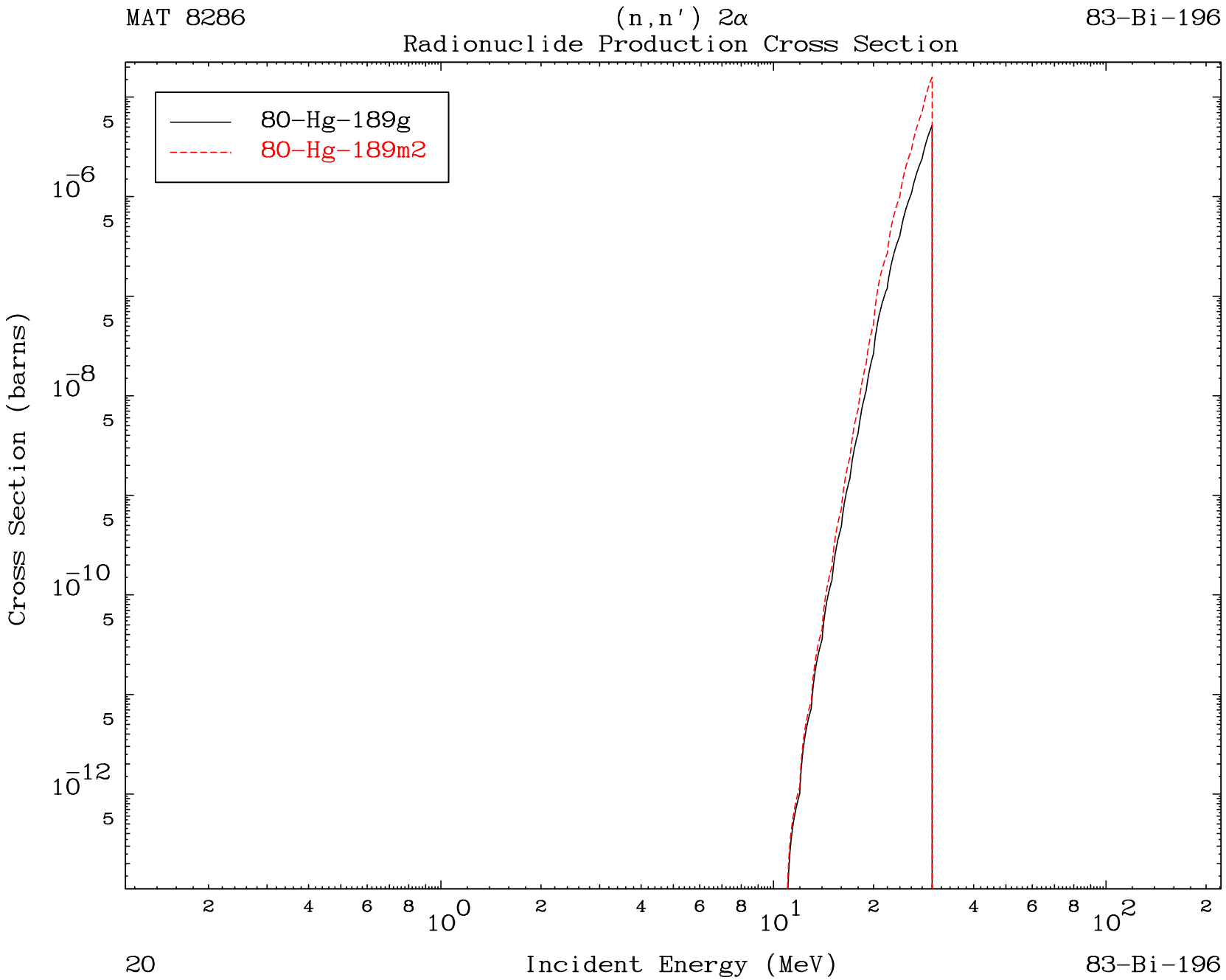

MAT 8286
(n,3n)
83-Bi-196
Radionuclide Production Cross Section
84-Po-195g
84-Po-195m2
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
83-Bi-196

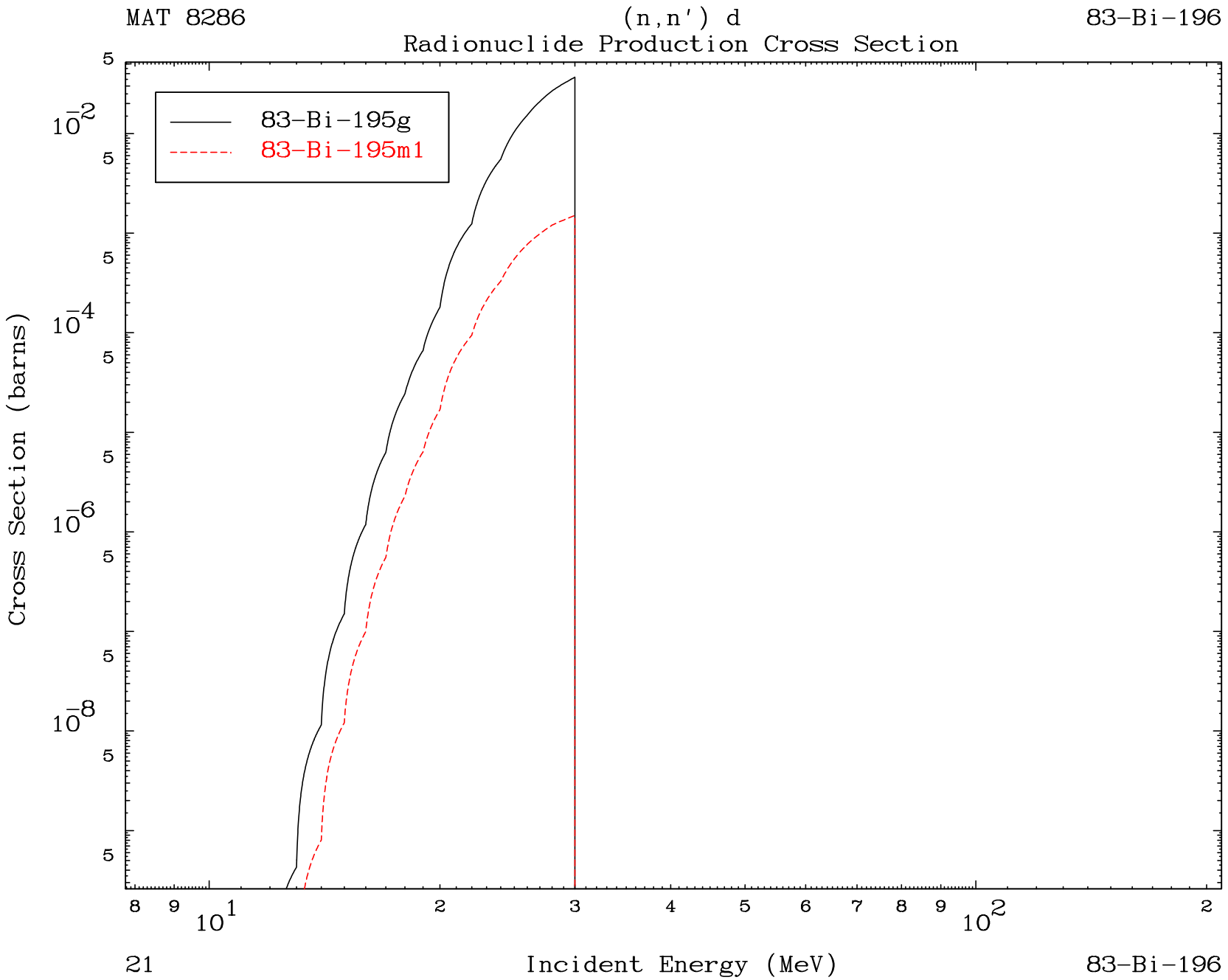

MAT 8286
Fission
83-Bi-196
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
16
83-Bi-196

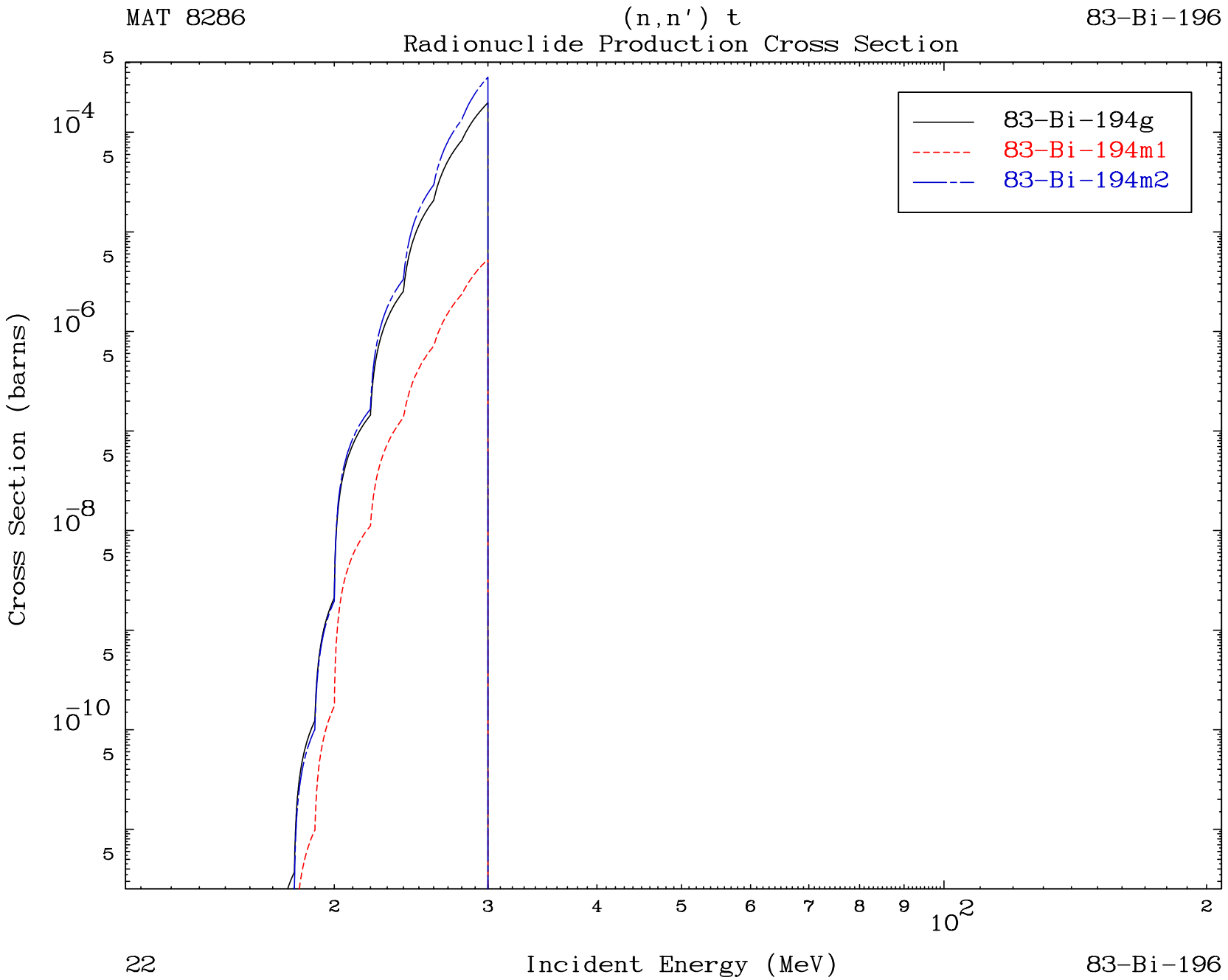

MAT 8286
(n,n') α
83-Bi-196
Radionuclide Production Cross Section
82-Pb-193g
82-Pb-193m1
Cross Section (barns)
Incident Energy (MeV)
17
83-Bi-196

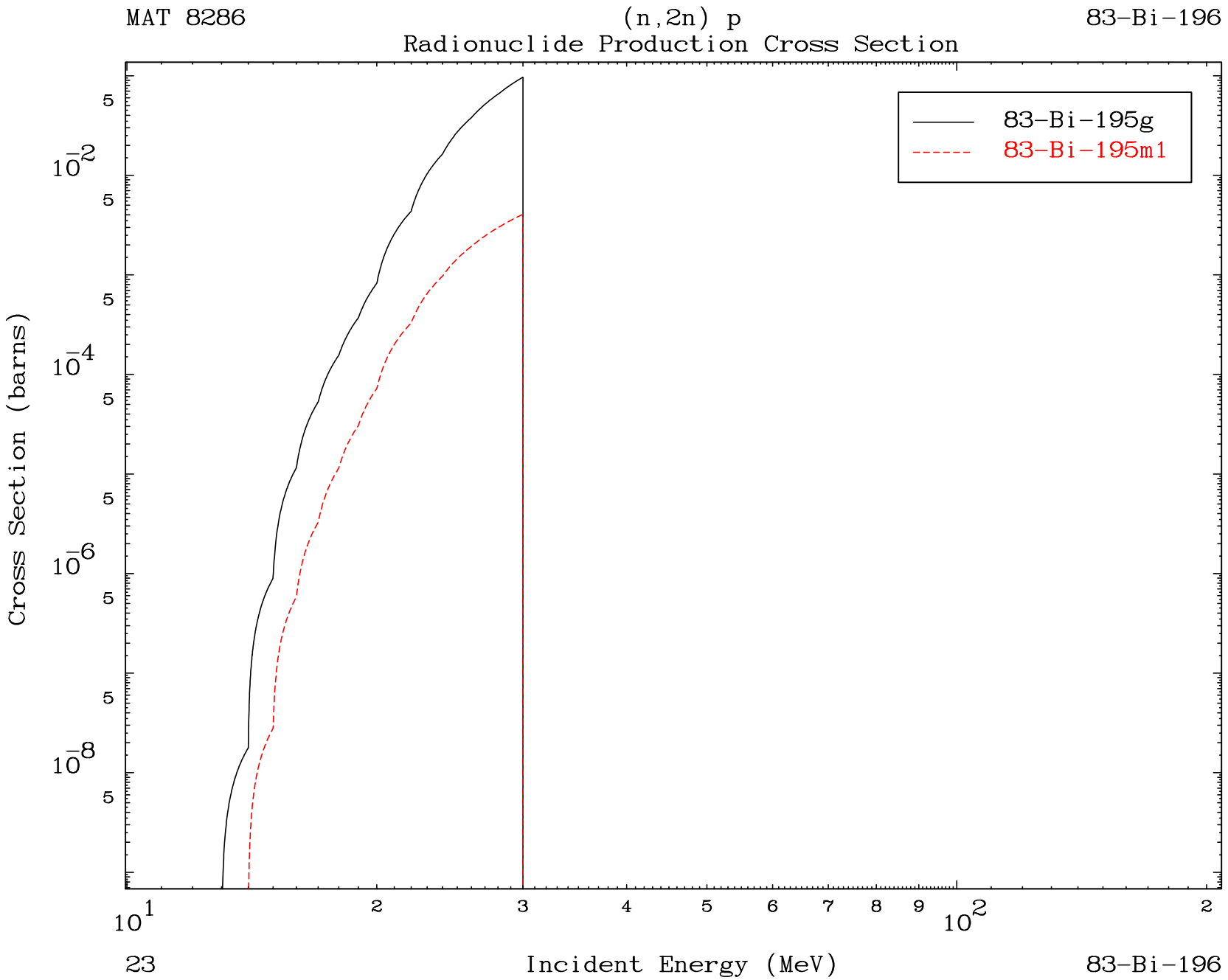

MAT 8286
(n,3n) α
83-Bi-196
Radionuclide Production Cross Section
82-Pb-191g
82-Pb-191m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
83-Bi-196


MAT 8286
(n,n') p
83-Bi-196
Radionuclide Production Cross Section
83-Bi-196g
83-Bi-196m2
83-Bi-196m3
Cross Section (barns)
Incident Energy (MeV)
19
83-Bi-196


MAT 8286
(n,n') 2α
83-Bi-196
Radionuclide Production Cross Section
80-Hg-189g
80-Hg-189m2
Cross Section (barns)
Incident Energy (MeV)
20
83-Bi-196


MAT 8286
(n,n') d
83-Bi-196
Radionuclide Production Cross Section
83-Bi-195g
83-Bi-195m1
Cross Section (barns)
Incident Energy (MeV)
21
83-Bi-196


MAT 8286
(n,n') t
83-Bi-196
Radionuclide Production Cross Section
83-Bi-194g
83-Bi-194m1
83-Bi-194m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
22
83-Bi-196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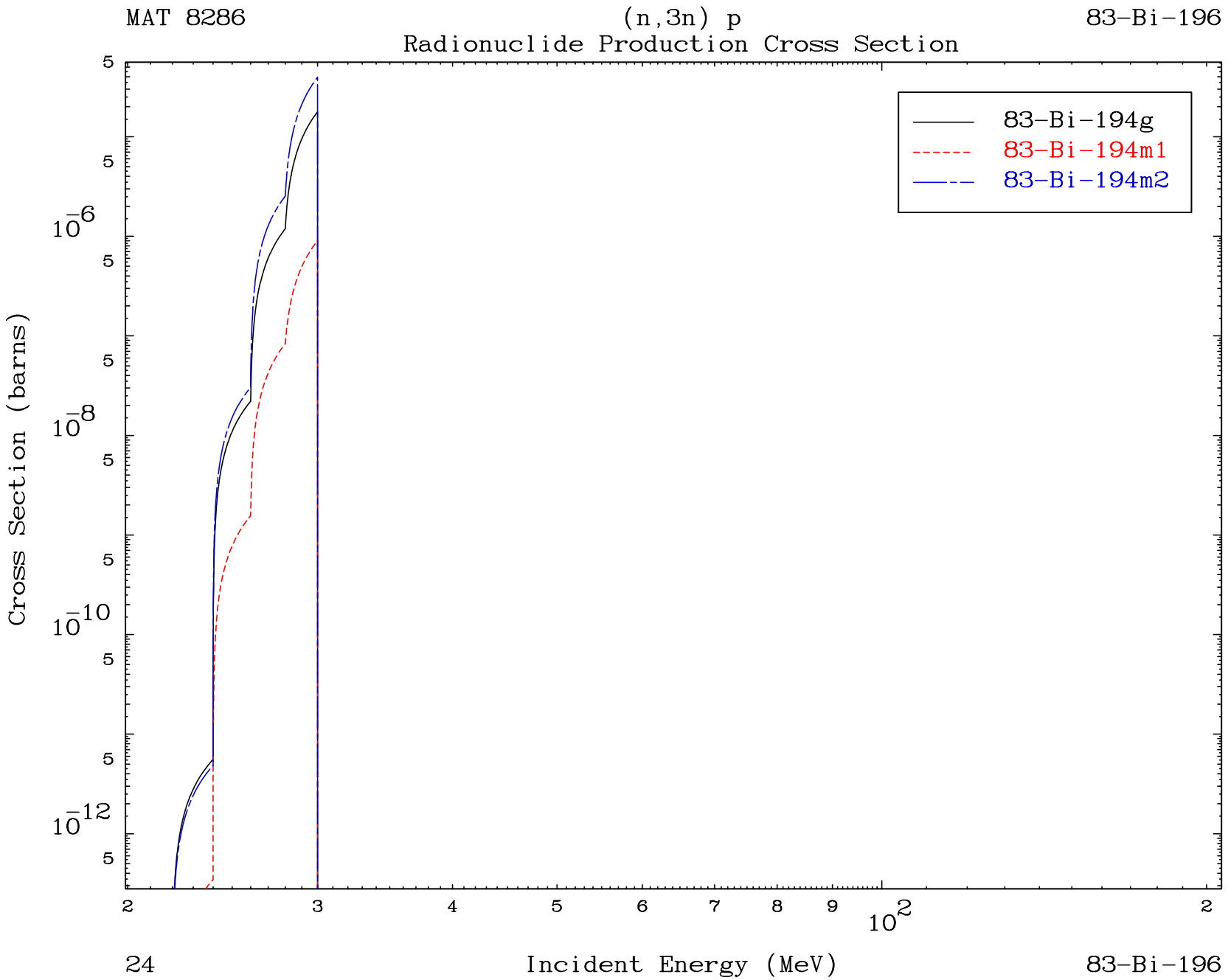
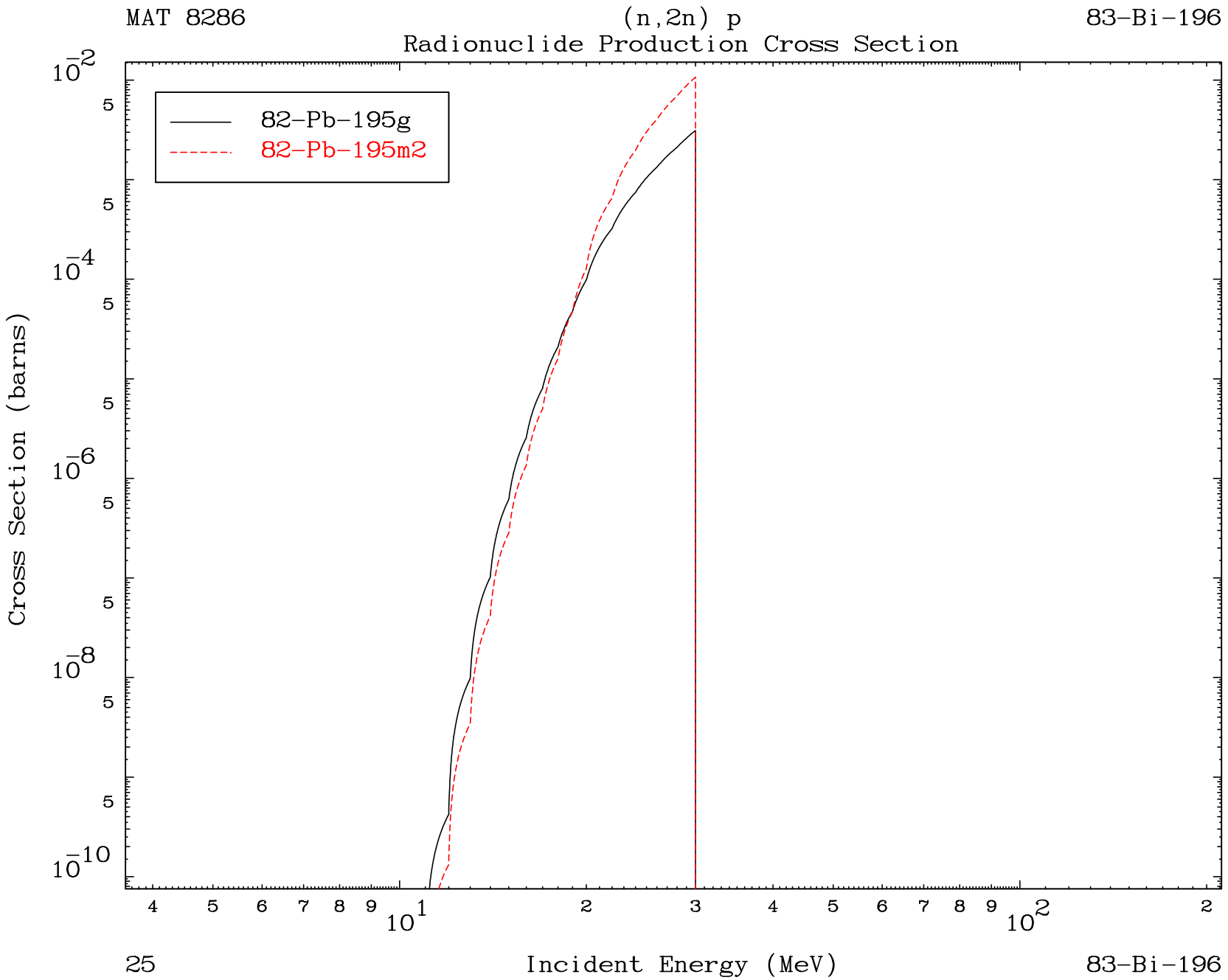
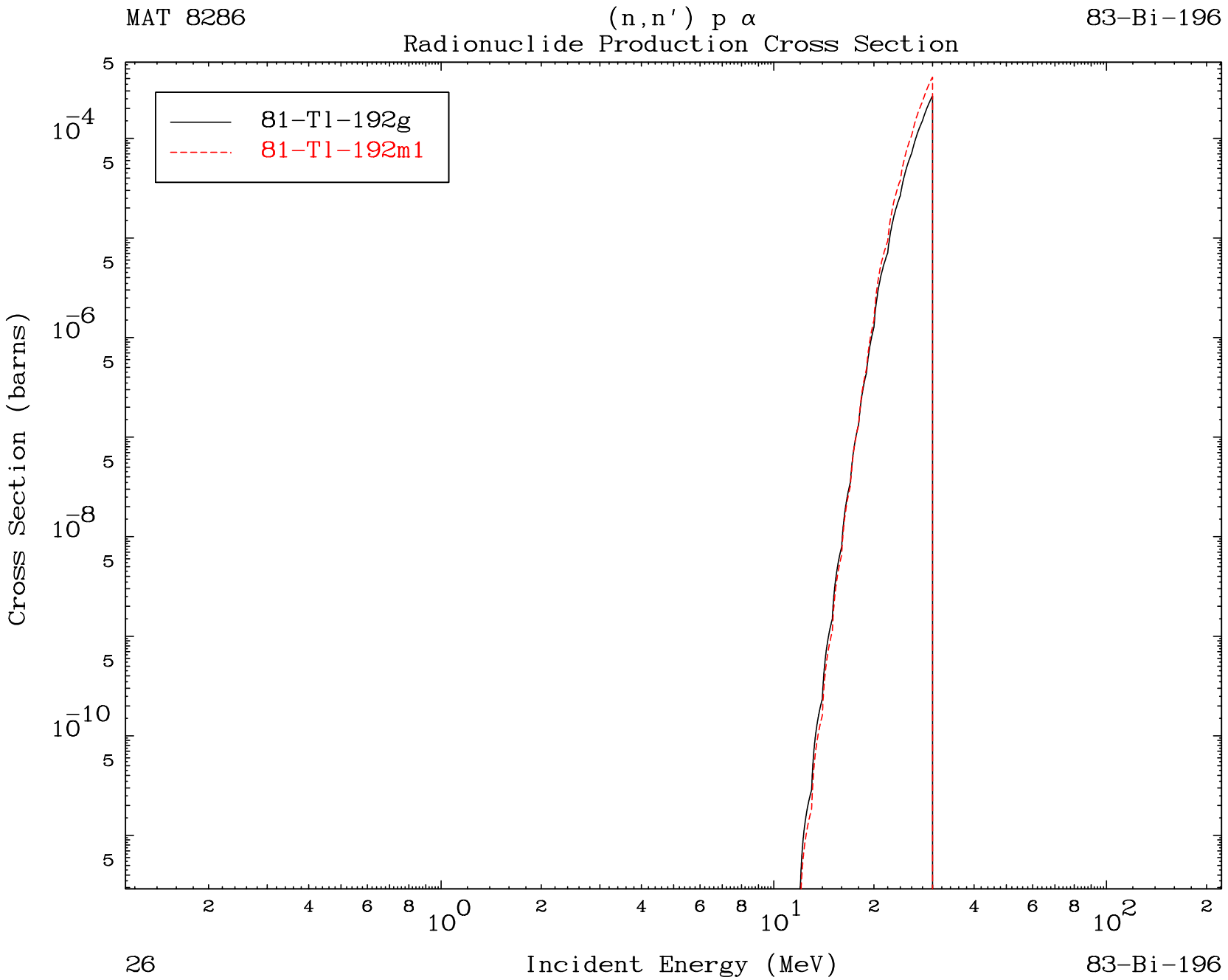
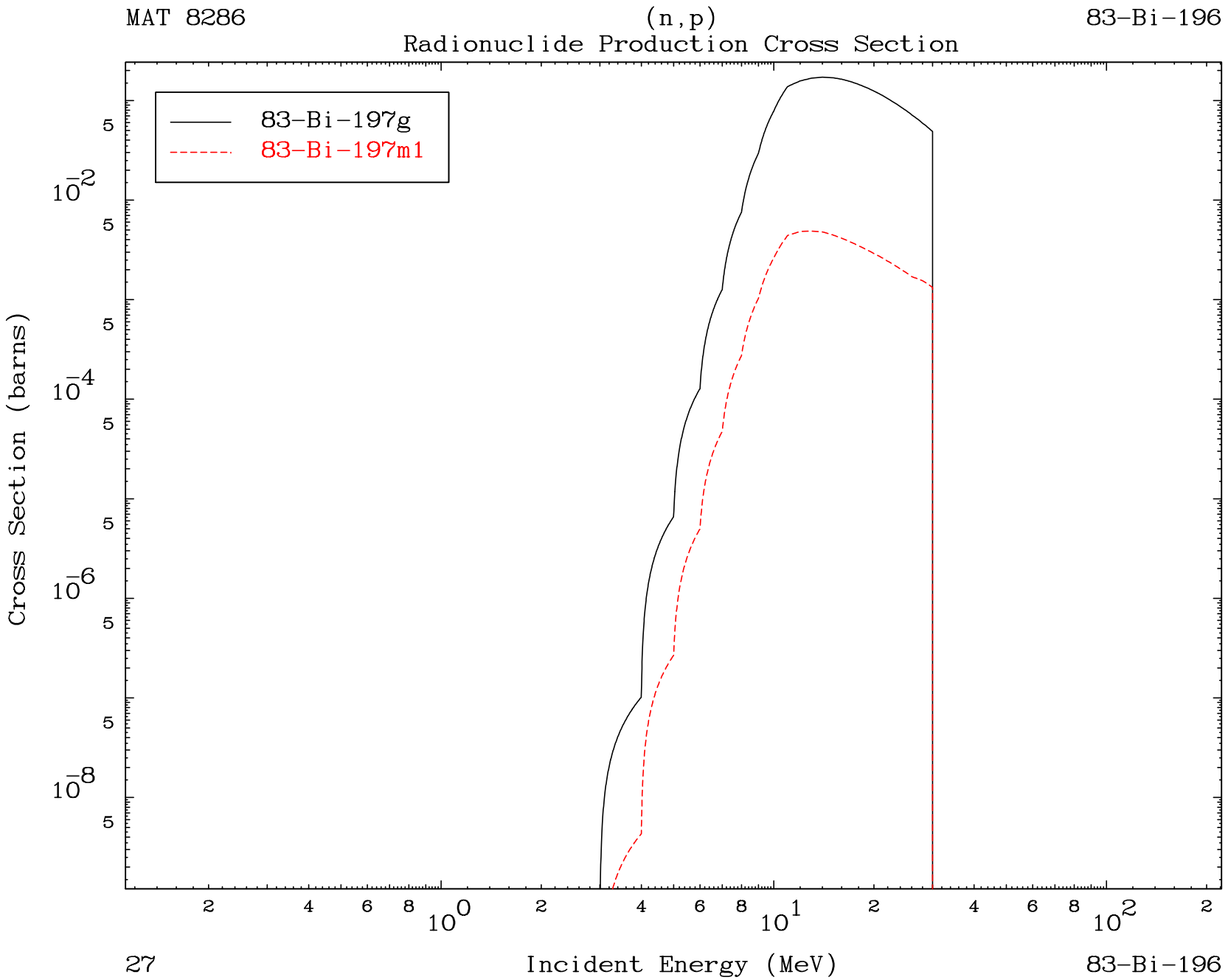
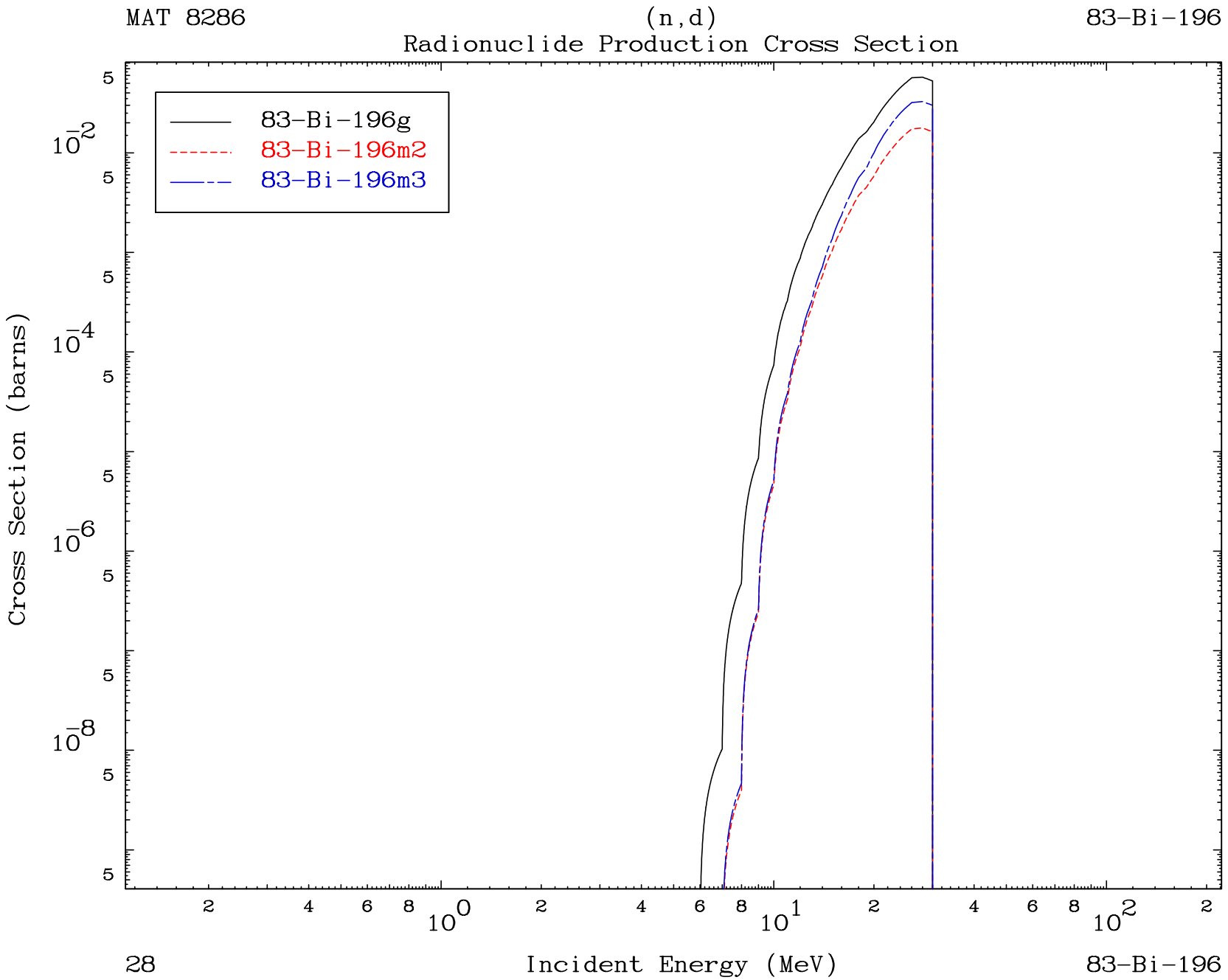
(n,2n) p
83-Bi-196
Radionuclide Production Cross Section
83-Bi-195g
83-Bi-195m1
Cross Section (barns)
Incident Energy (MeV)
23
83-Bi-196

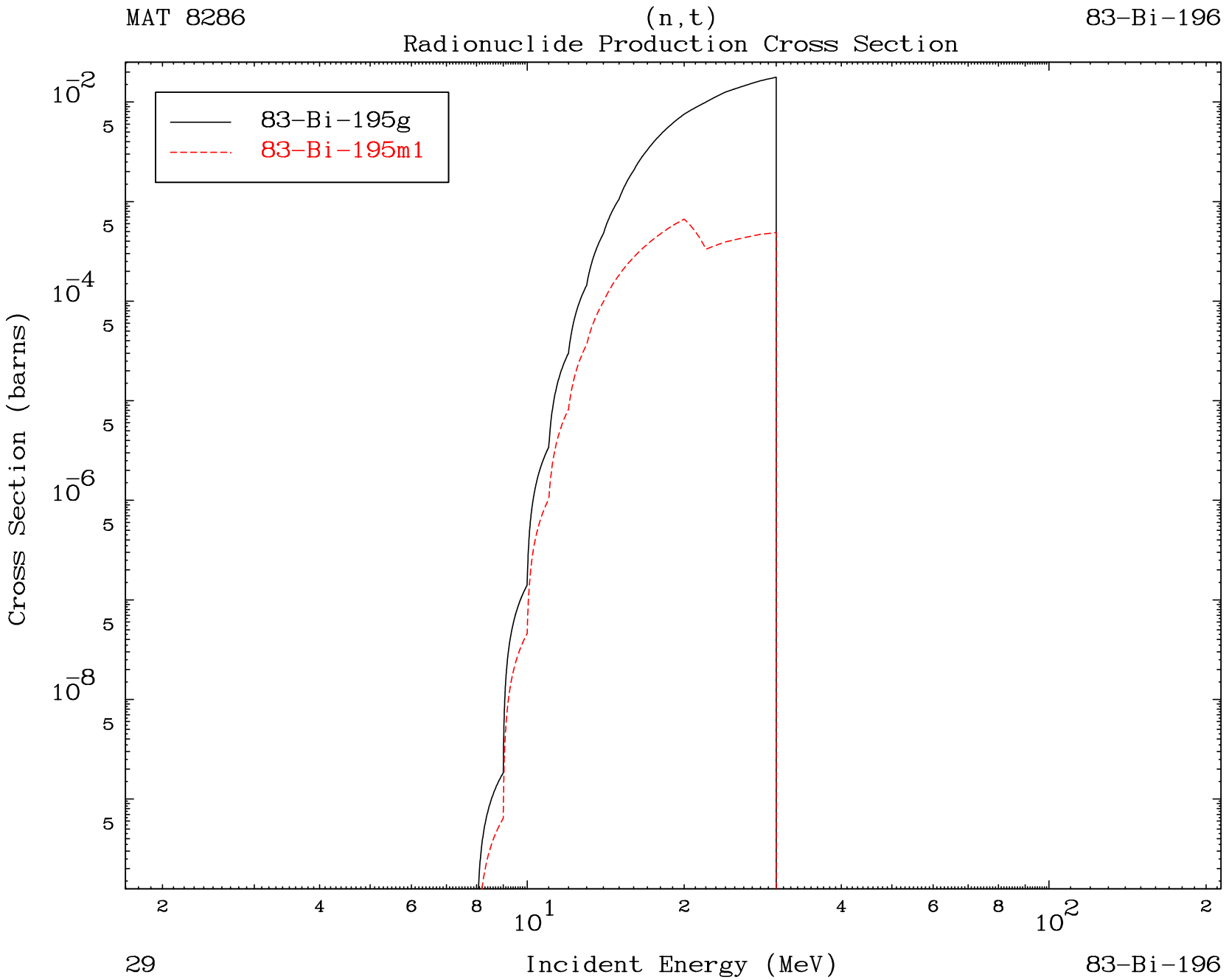

MAT 8286
(n,3n) p
83-Bi-196
Radionuclide Production Cross Section
83-Bi-194g
83-Bi-194m1
83-Bi-194m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
24
Incident Energy (MeV)
83-Bi-196

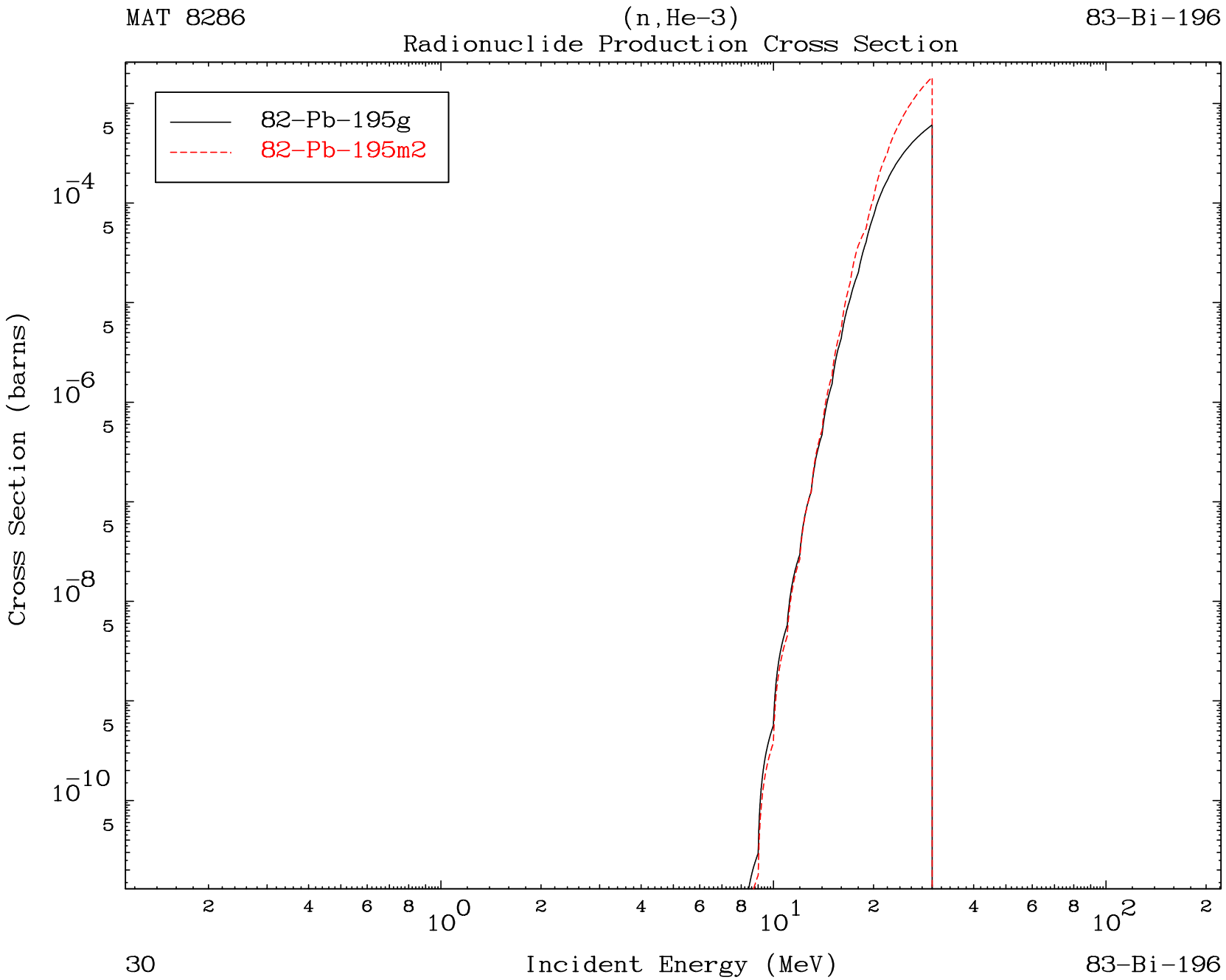

MAT 8286
(n,2n) p
83-Bi-196
Radionuclide Production Cross Section
82-Pb-195g
82-Pb-195m2
Cross Section (barns)
Incident Energy (MeV)
25
83-Bi-196

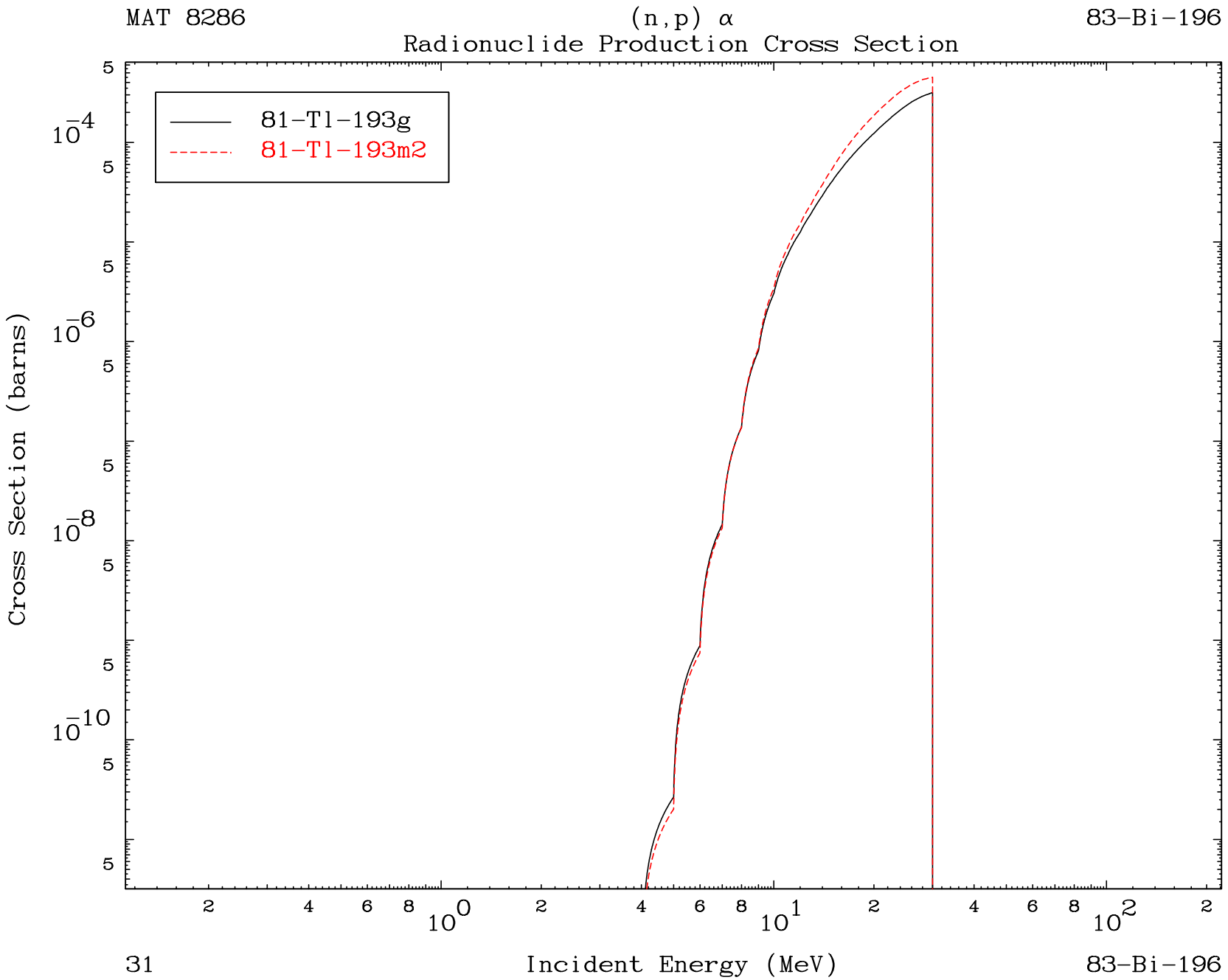

MAT 8286
(n,n') p α
83-Bi-196
Radionuclide Production Cross Section
81-Tl-192g
81-Tl-192m1
Cross Section (barns)
Incident Energy (MeV)
26
83-Bi-196

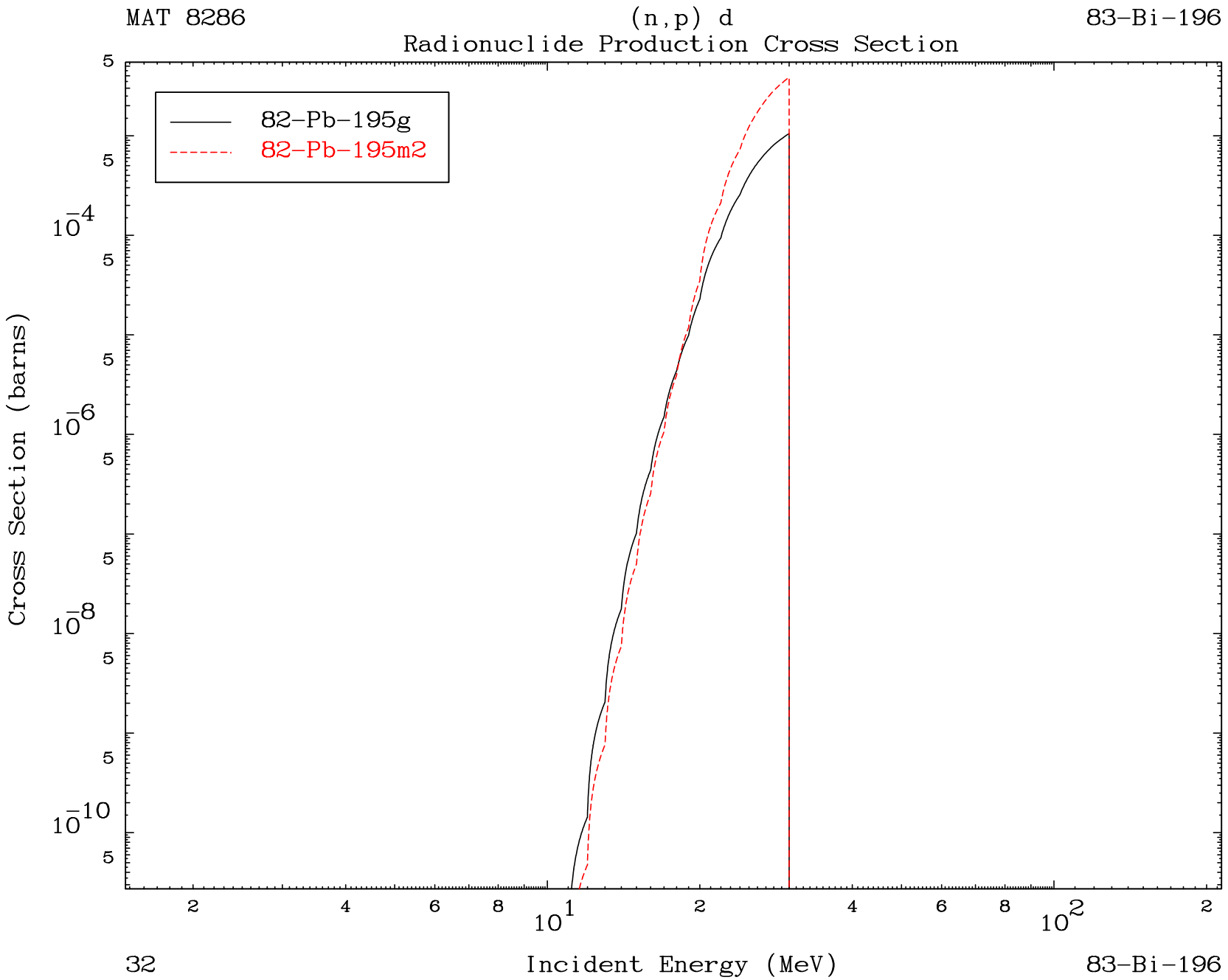

MAT 8286
(n,p)
83-Bi-196
Radionuclide Production Cross Section
83-Bi-197g
83-Bi-197m1
Cross Section (barns)
10-2
10-4
10-6
10-8
10 0
10 1
10 2
Incident Energy (MeV)
27
83-Bi-196

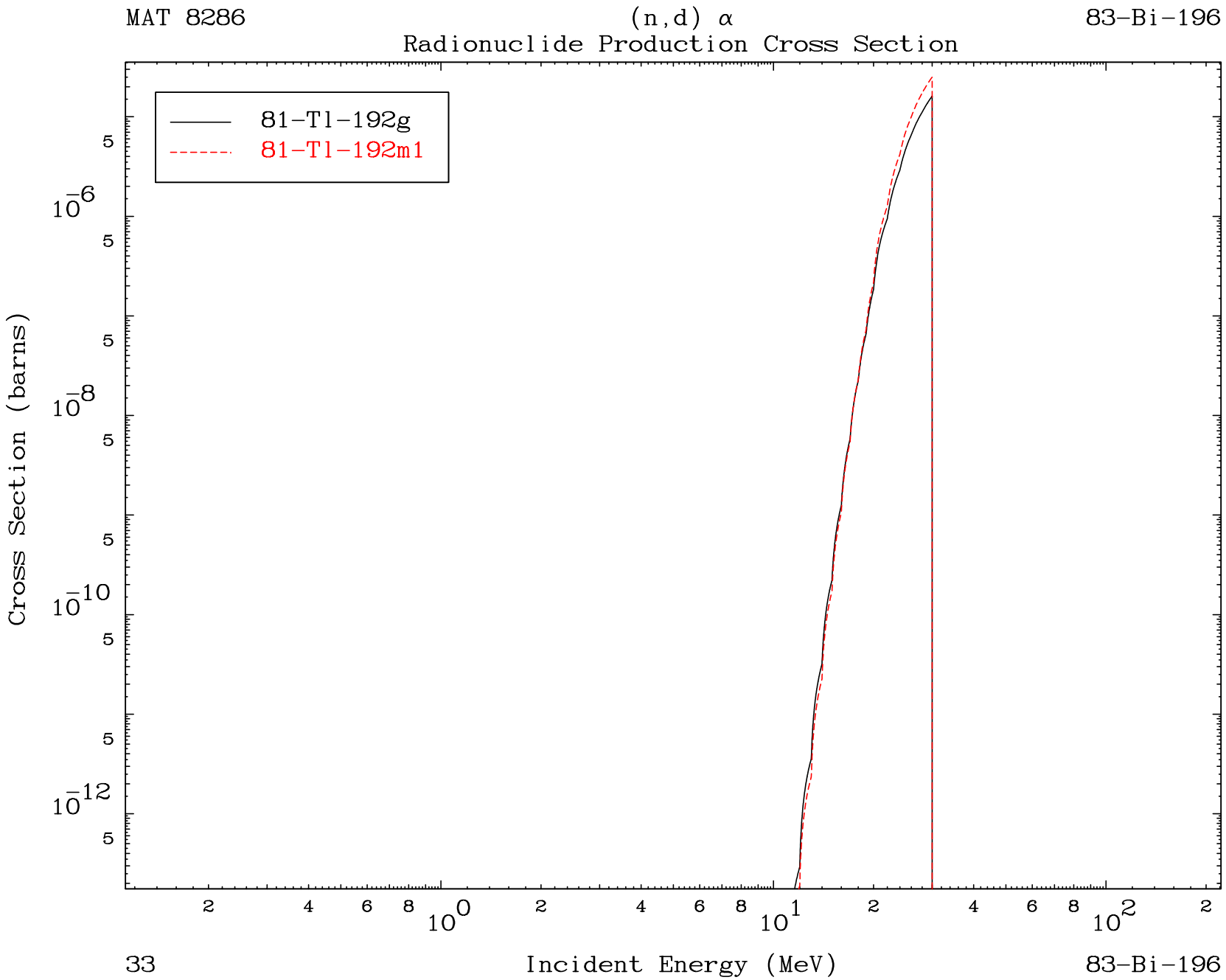

MAT 8286
(n,d)
83-Bi-196
Radionuclide Production Cross Section
83-Bi-196g
83-Bi-196m2
83-Bi-196m3
Cross Section (barns)
Incident Energy (MeV)
28
83-Bi-196


MAT 8286
(n,t)
83-Bi-196
Radionuclide Production Cross Section
83-Bi-195g
83-Bi-195m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
101
102
29
Incident Energy (MeV)
83-Bi-196


MAT 8286
(n,He-3)
83-Bi-196
Radionuclide Production Cross Section
82-Pb-195g
82-Pb-195m2
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
30
83-Bi-196


MAT 8286
(n,p) α
83-Bi-196
Radionuclide Production Cross Section
81-Tl-193g
81-Tl-193m2
Cross Section (barns)
Incident Energy (MeV)
31
83-Bi-196


MAT 8286
(n,p) d
83-Bi-196
Radionuclide Production Cross Section
82-Pb-195g
82-Pb-195m2
Cross Section (barns)
Incident Energy (MeV)
32
83-Bi-196


MAT 8286
(n,d) α
83-Bi-196
Radionuclide Production Cross Section
81-Tl-192g
81-Tl-192m1
Cross Section (barns)
10-6
10-8
10-10
10-12
100
101
102
Incident Energy (MeV)
33
83-Bi-196