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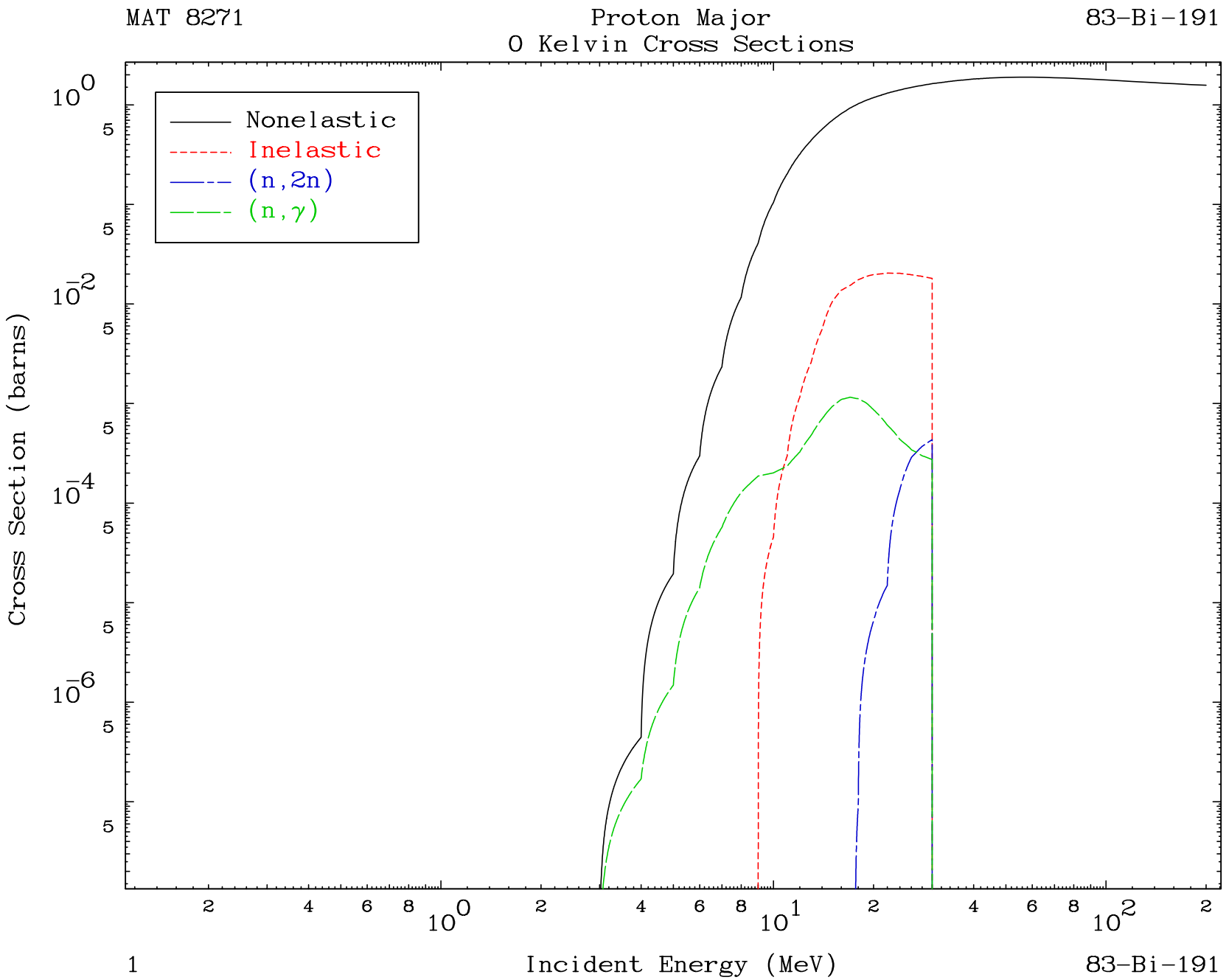
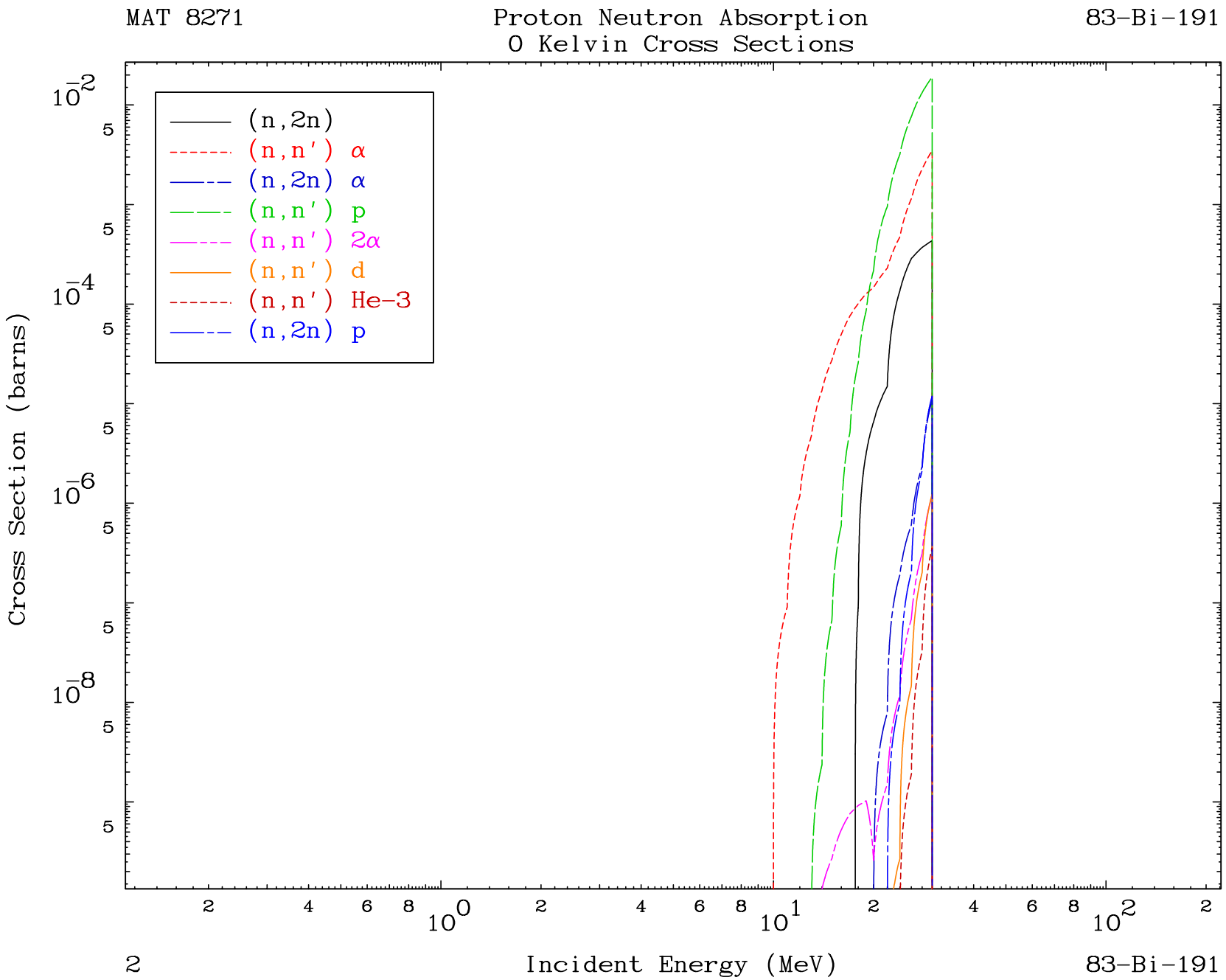
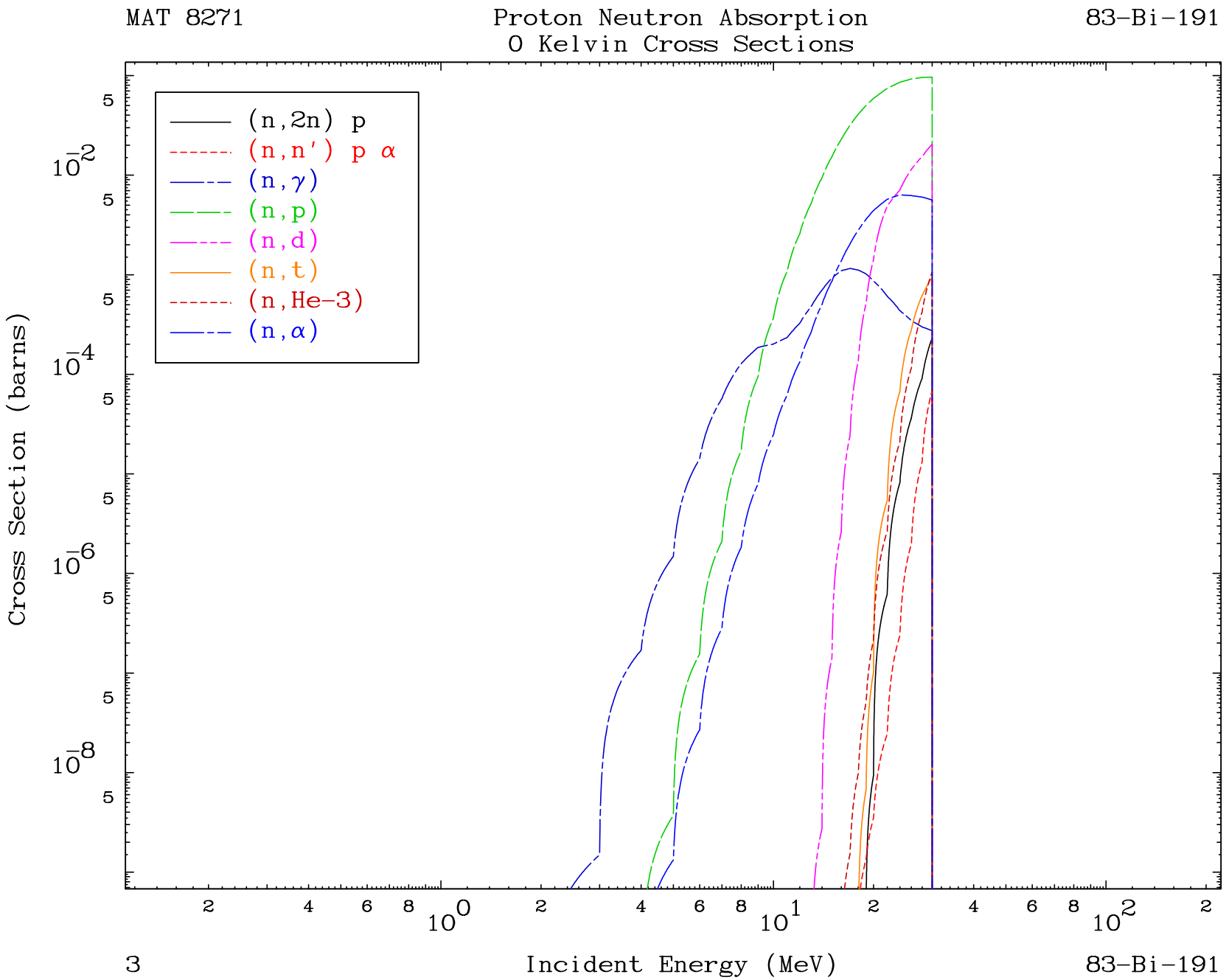
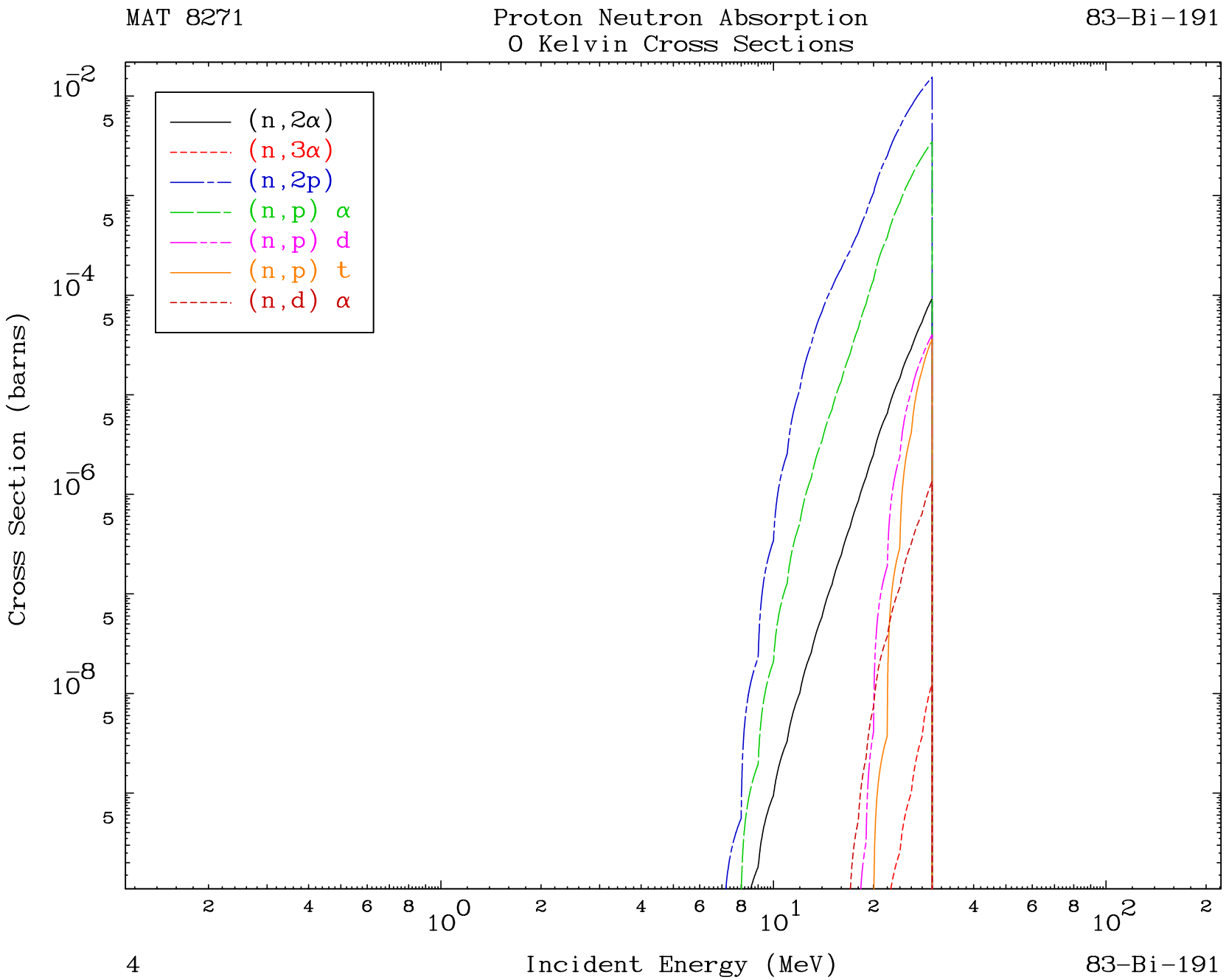
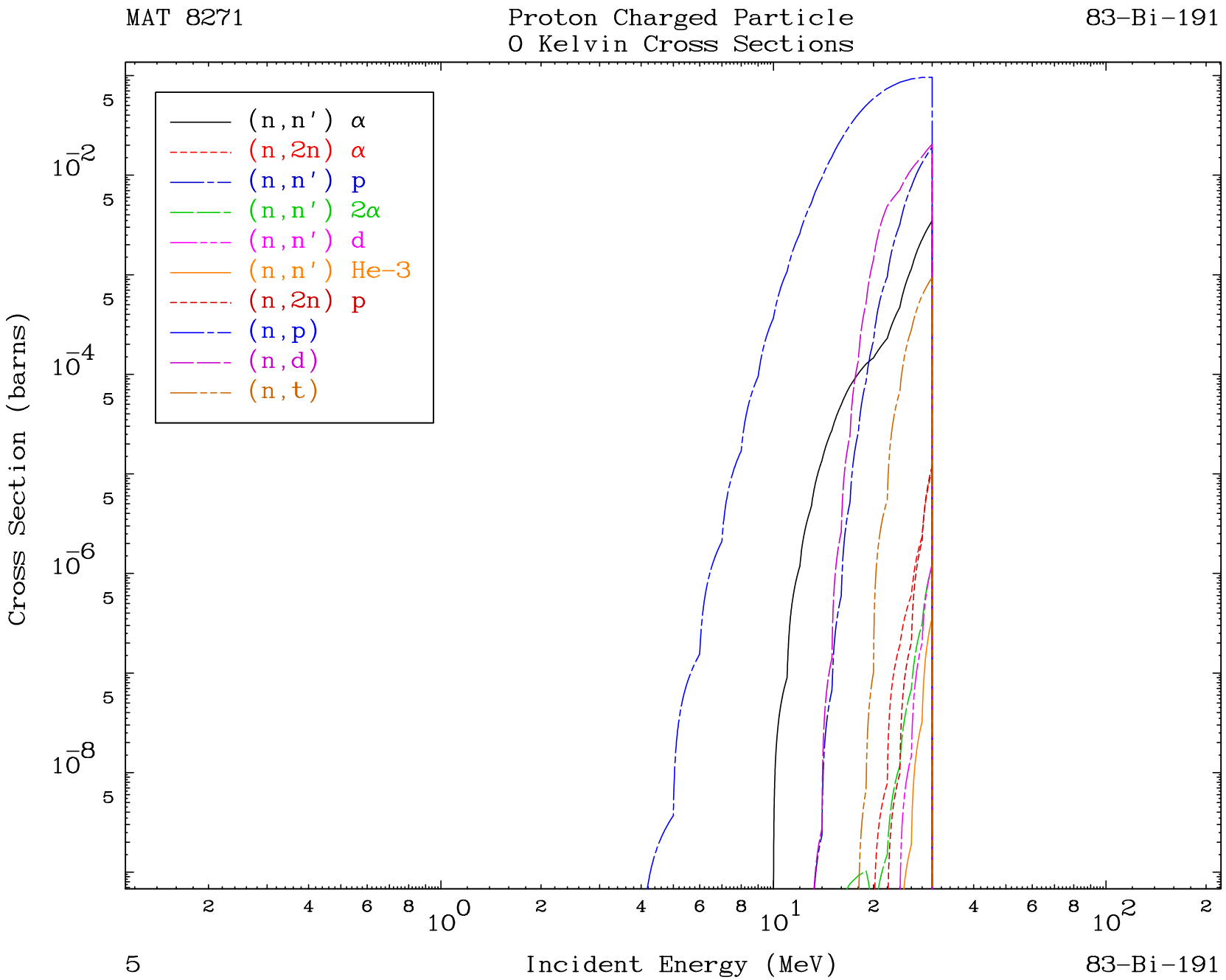
Press Mouse Button to Start

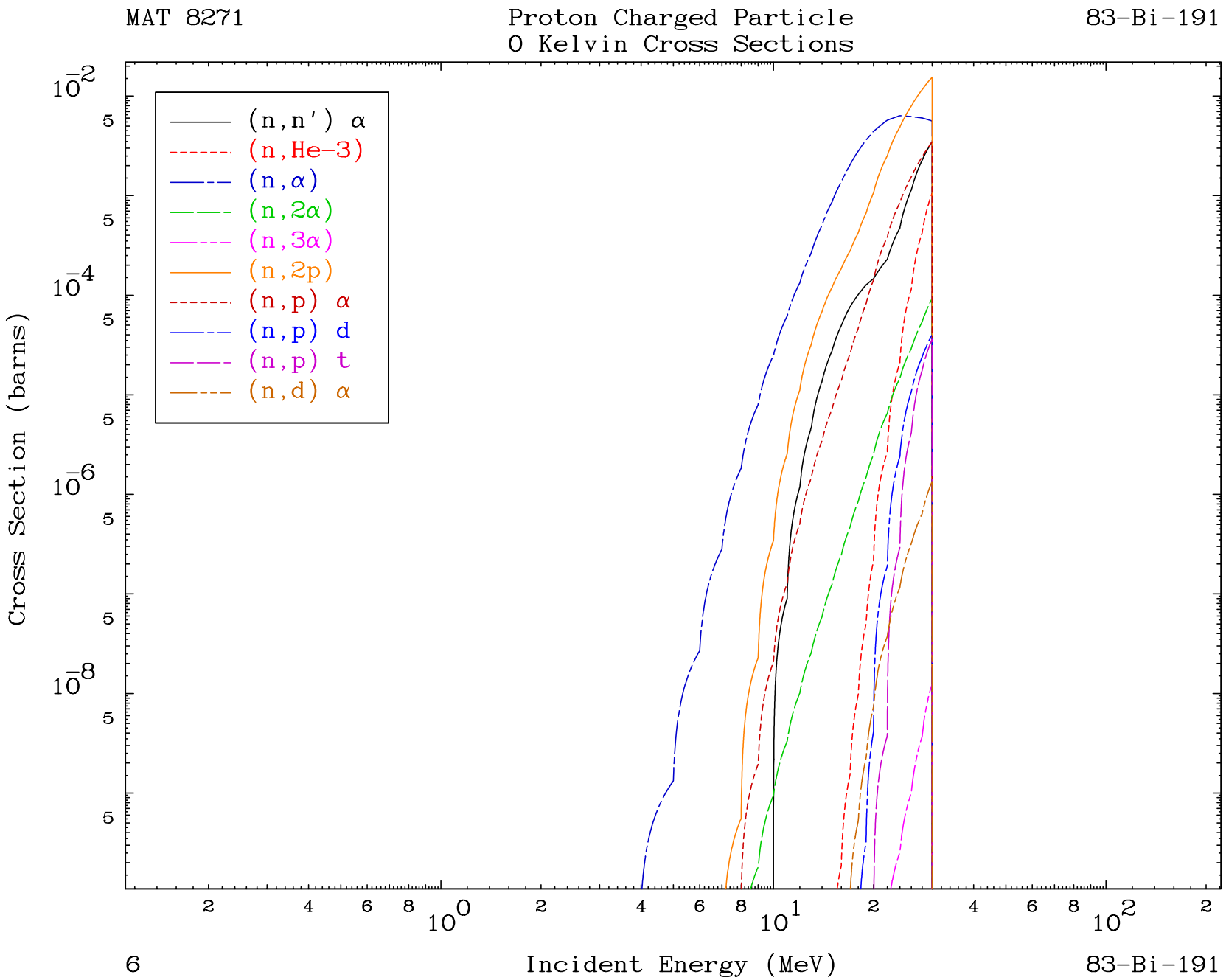

MAT 8271
Proton Major
83-Bi-191
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
83-Bi-191
1

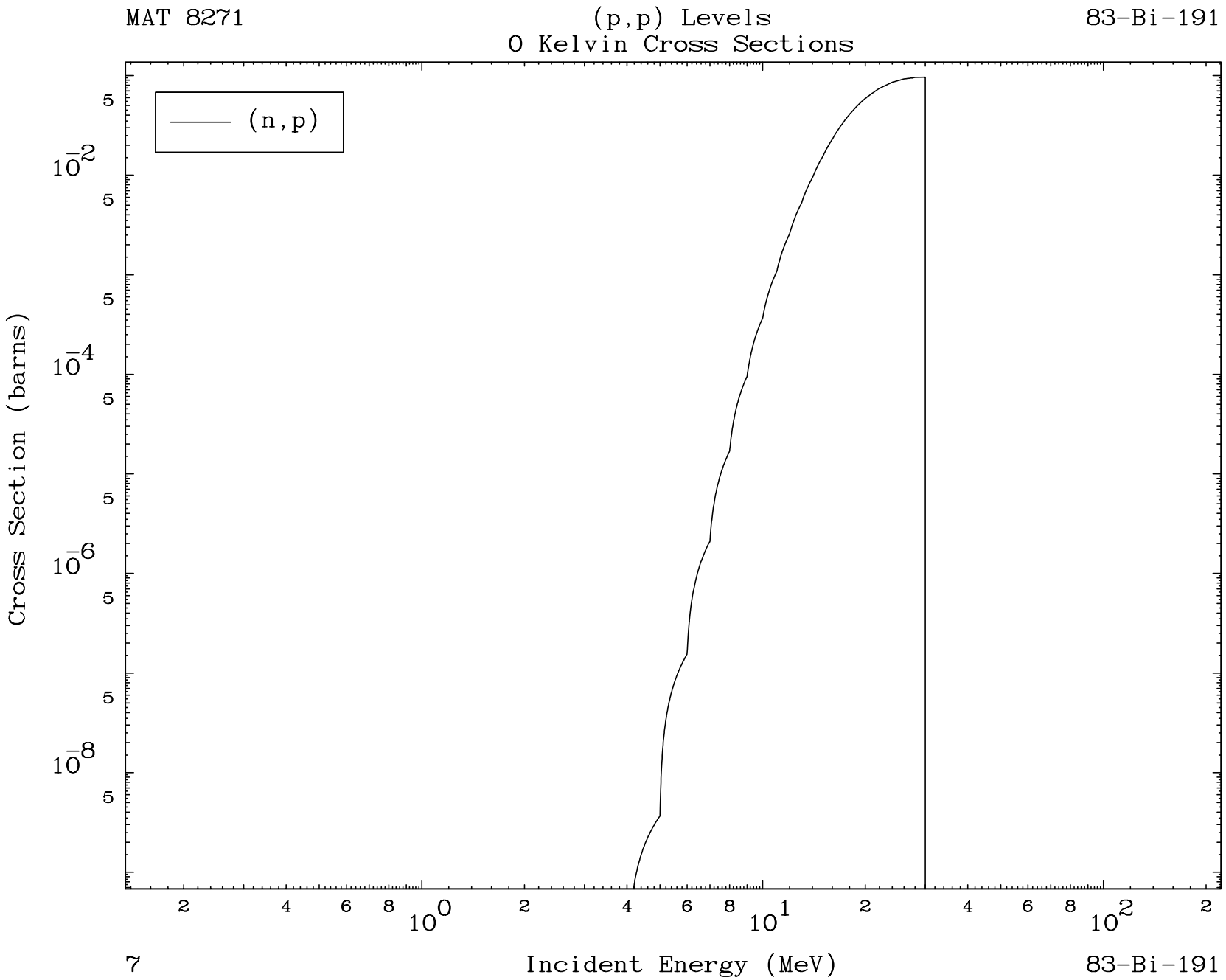

MAT 8271
Proton Neutron Absorption
0 Kelvin Cross Sections
83-Bi-191
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
83-Bi-191
2

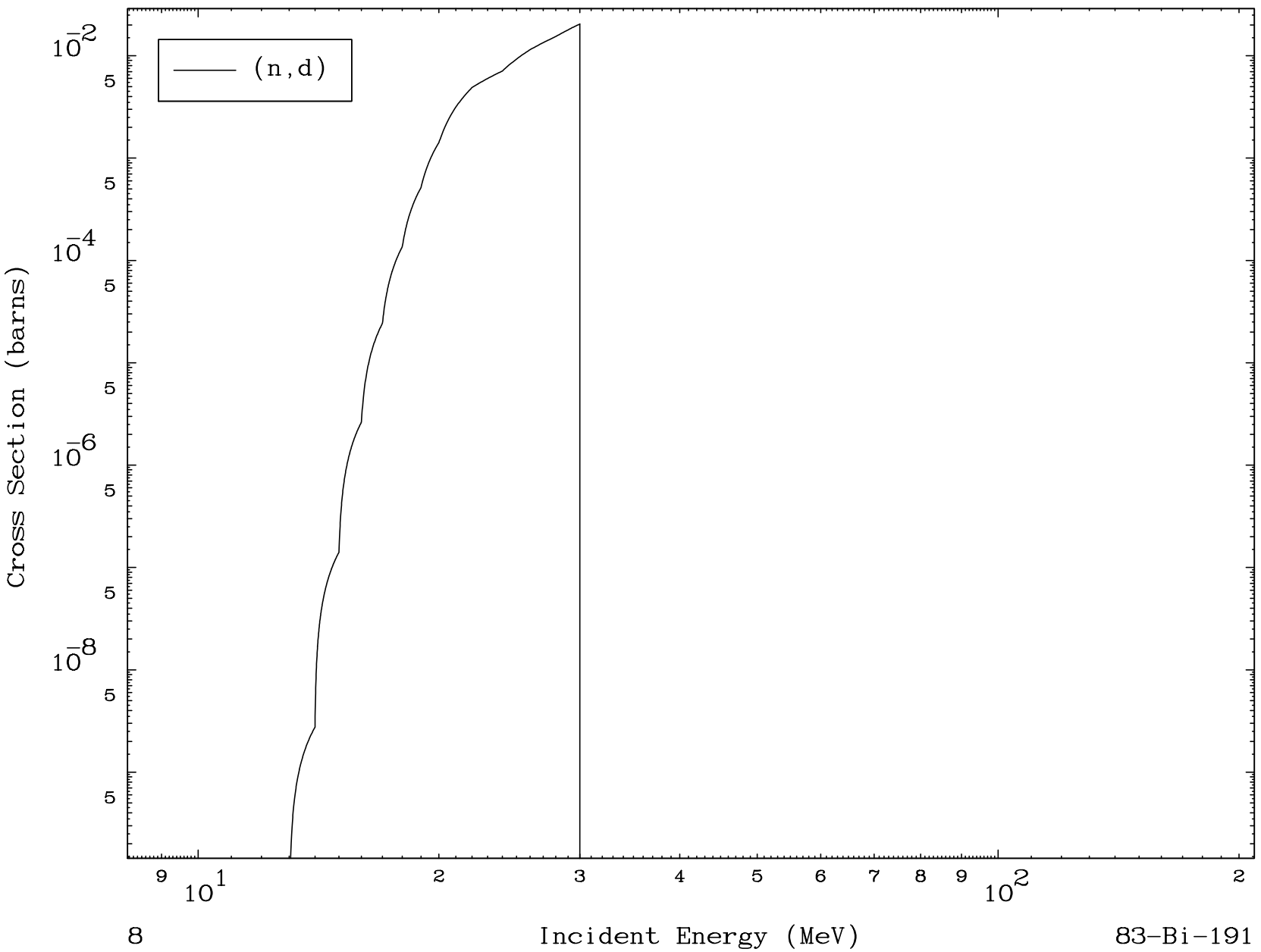

MAT 8271
Proton Neutron Absorption
0 Kelvin Cross Sections
83-Bi-191
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
83-Bi-191

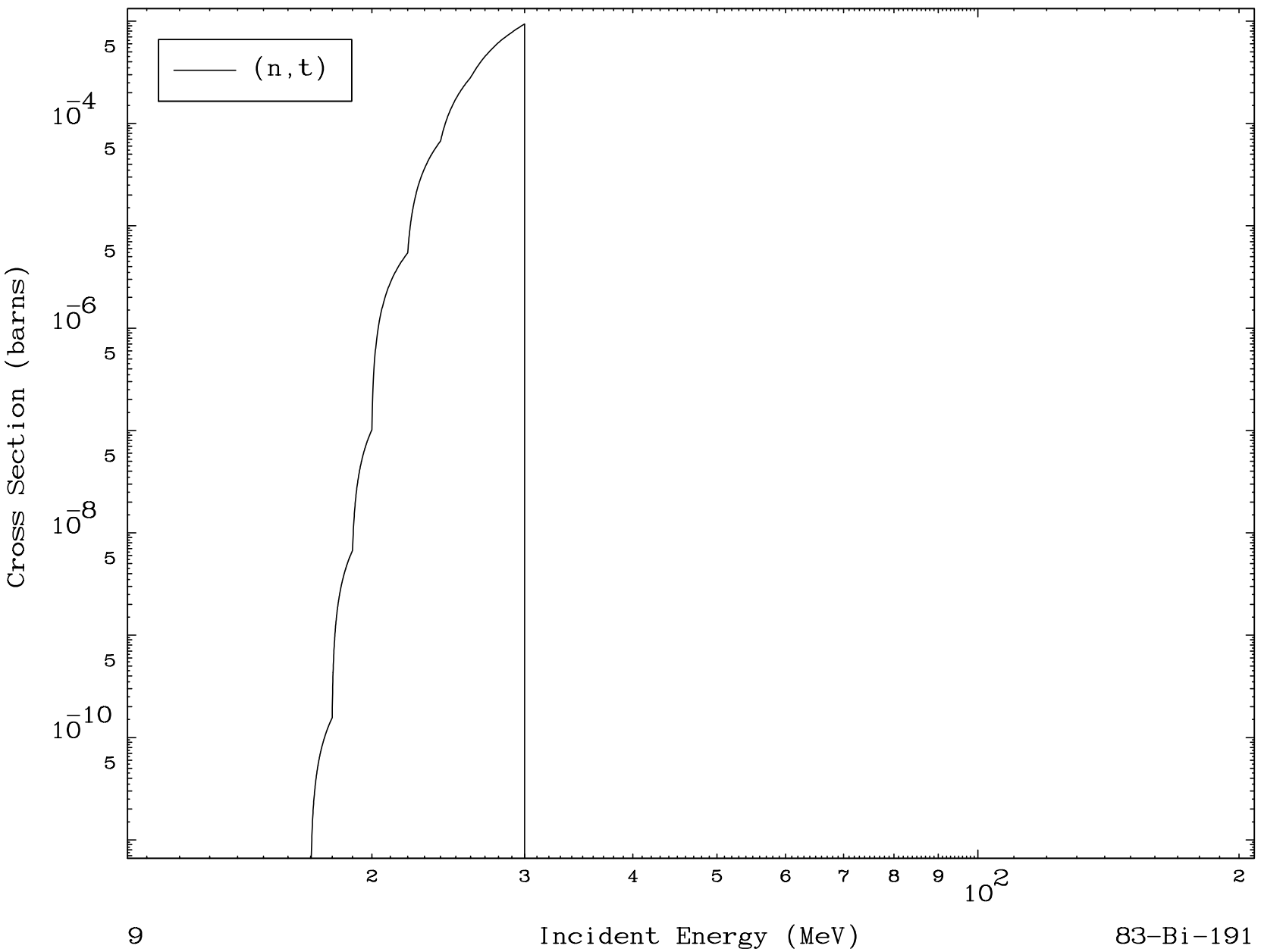

MAT 8271
Proton Neutron Absorption
0 Kelvin Cross Sections
83-Bi-191
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
83-Bi-191

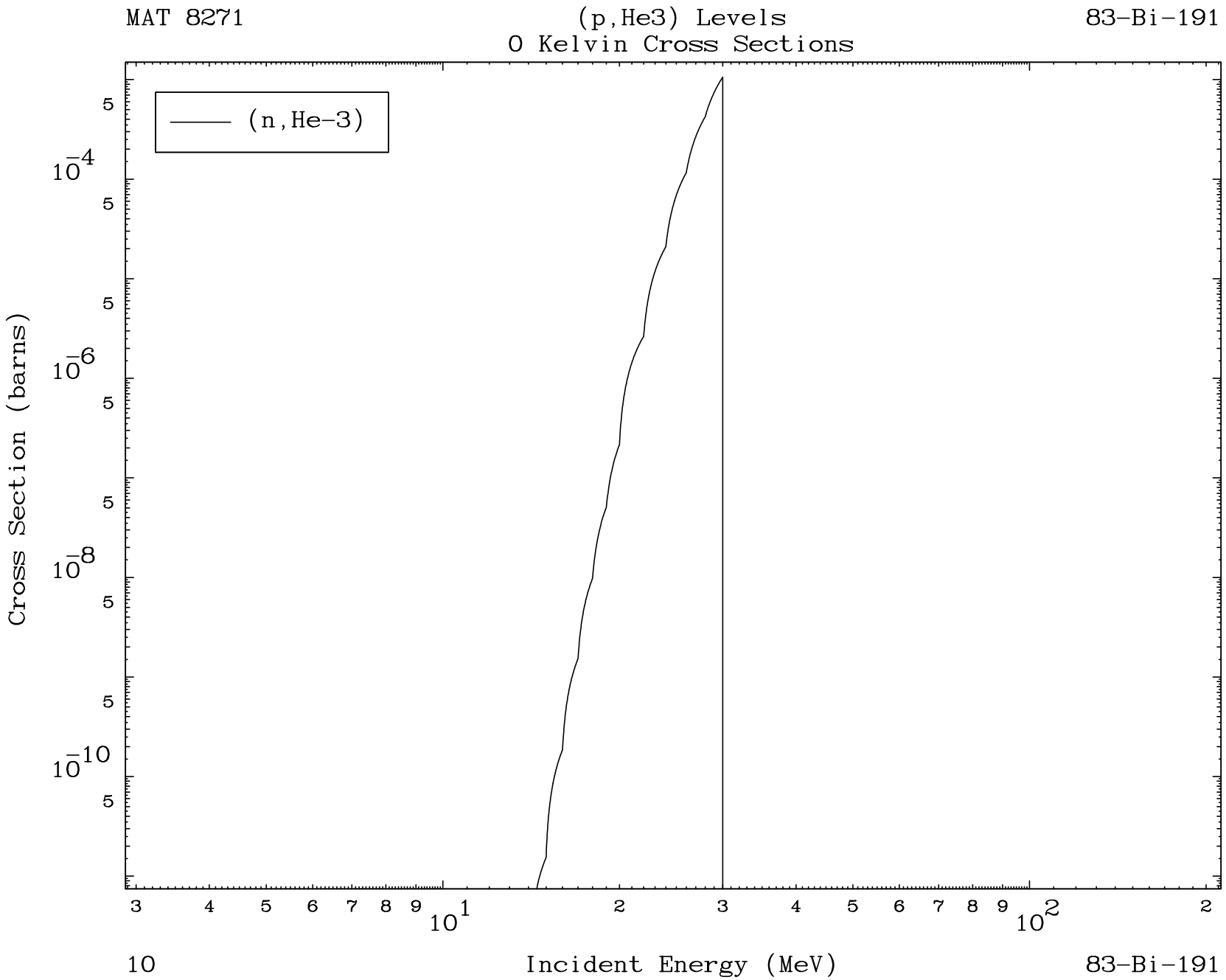

MAT 8271
Proton Charged Particle
0 Kelvin Cross Sections
83-Bi-191
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
5
83-Bi-191

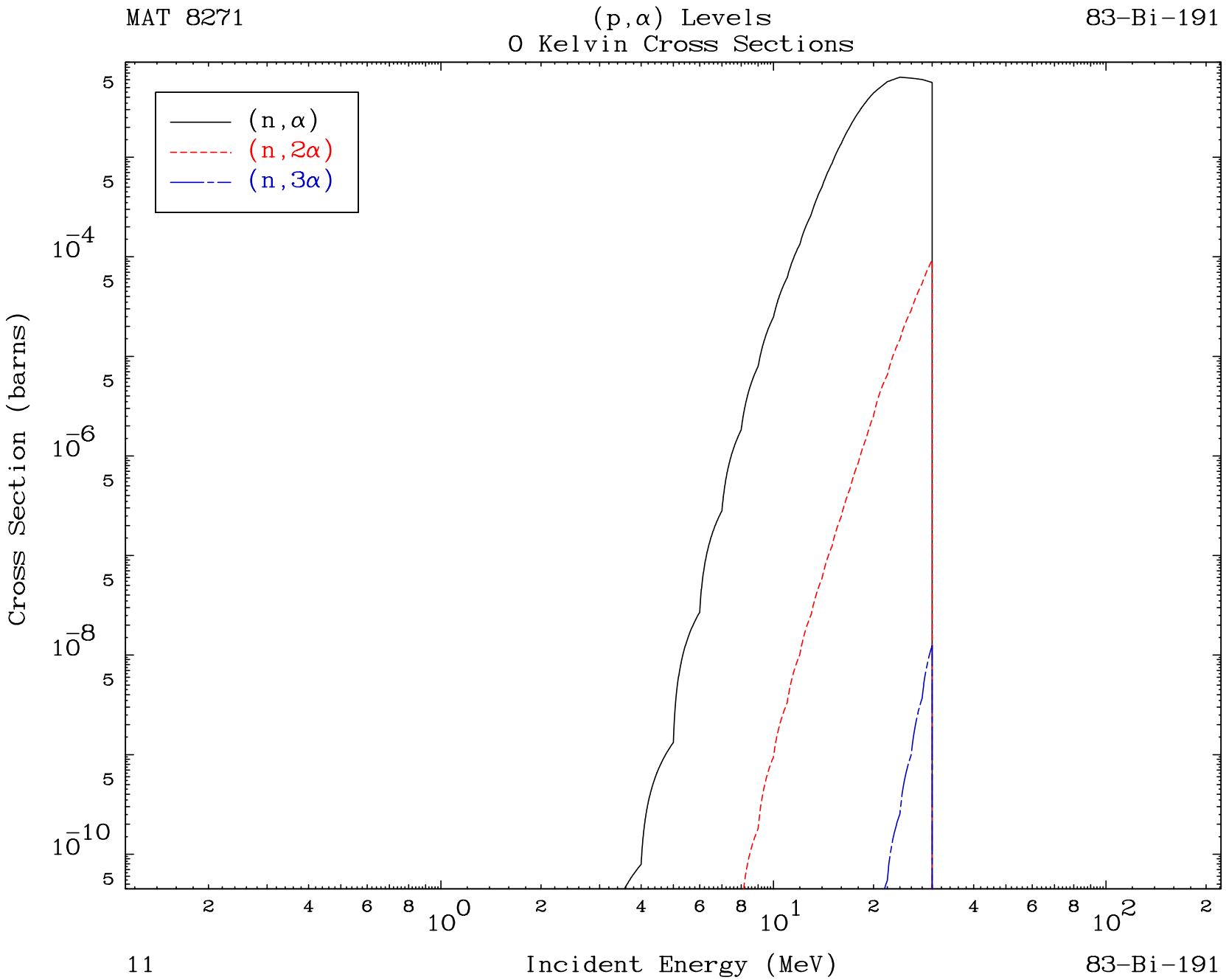

MAT 8271
Proton Charged Particle
0 Kelvin Cross Sections
83-Bi-191
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
83-Bi-191

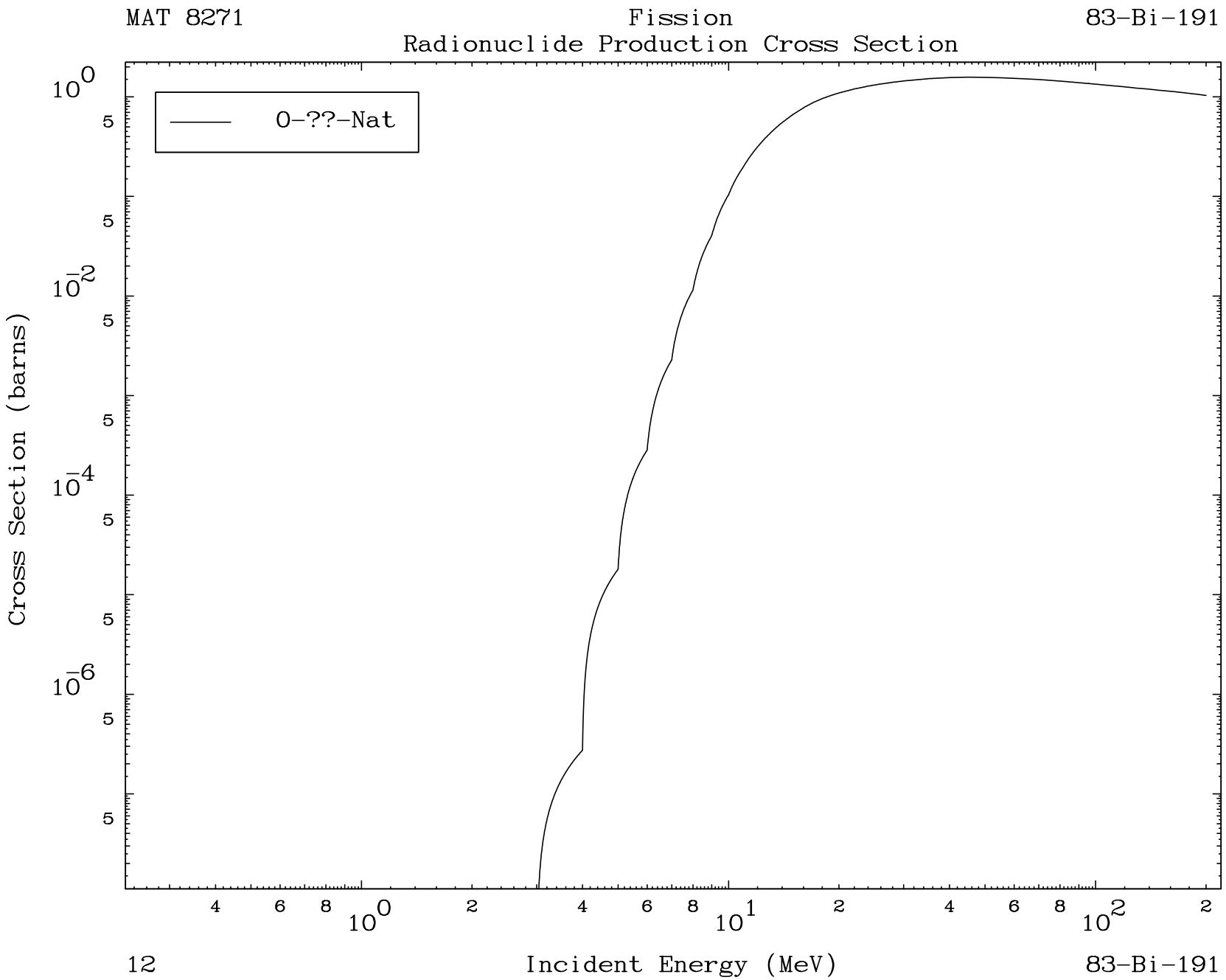

MAT 8271
(p,p) Levels
83-Bi-191
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
83-Bi-191

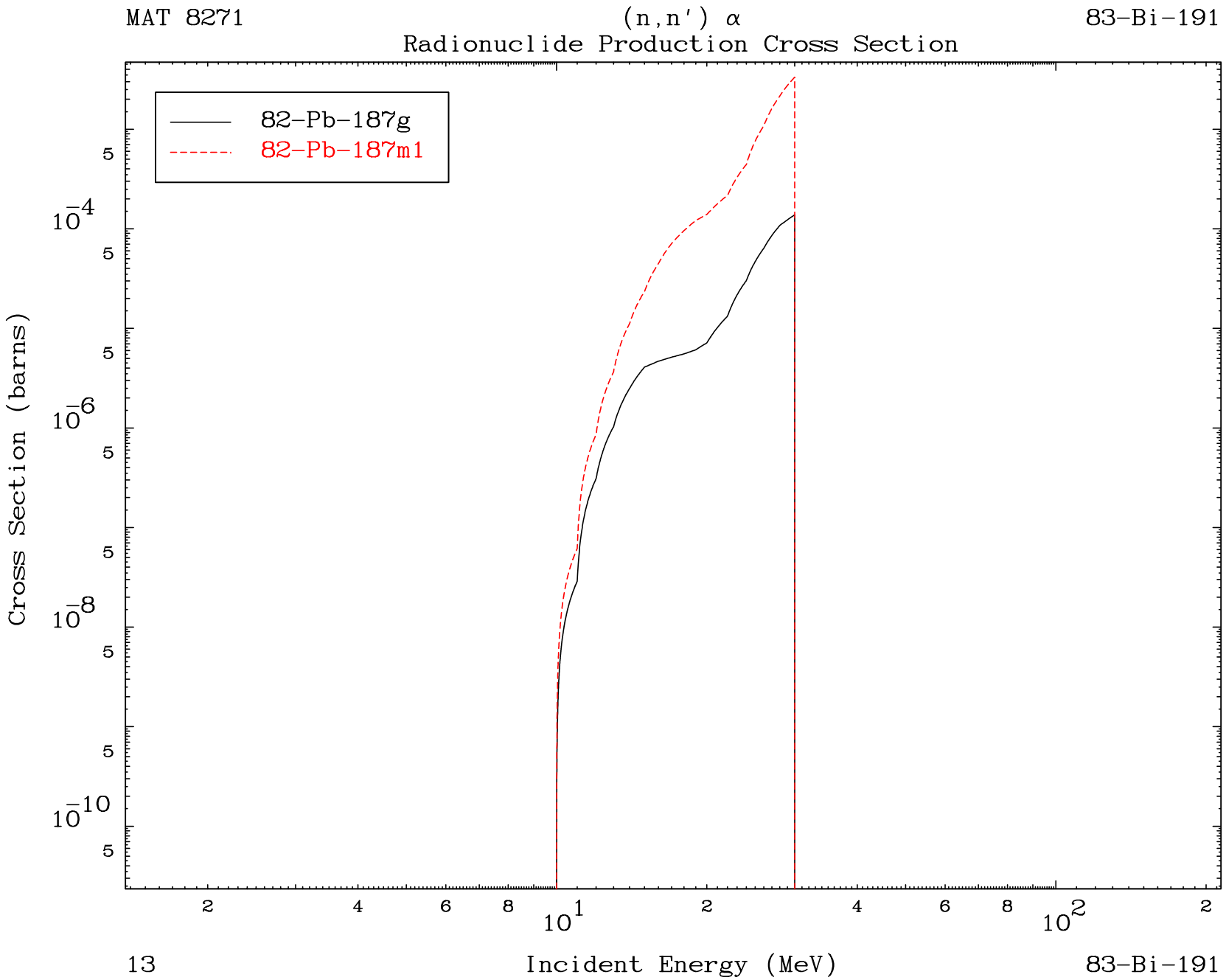

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)

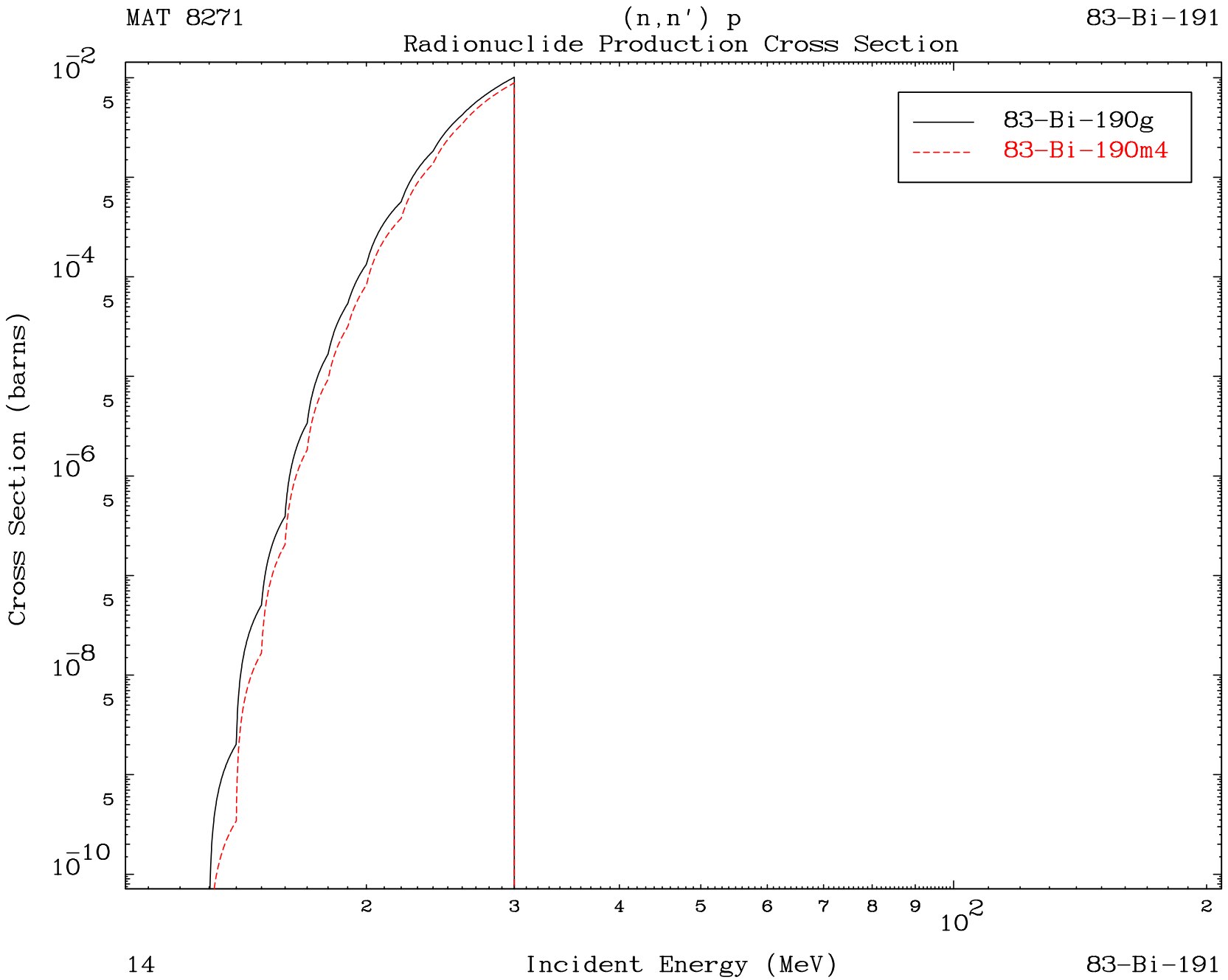

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

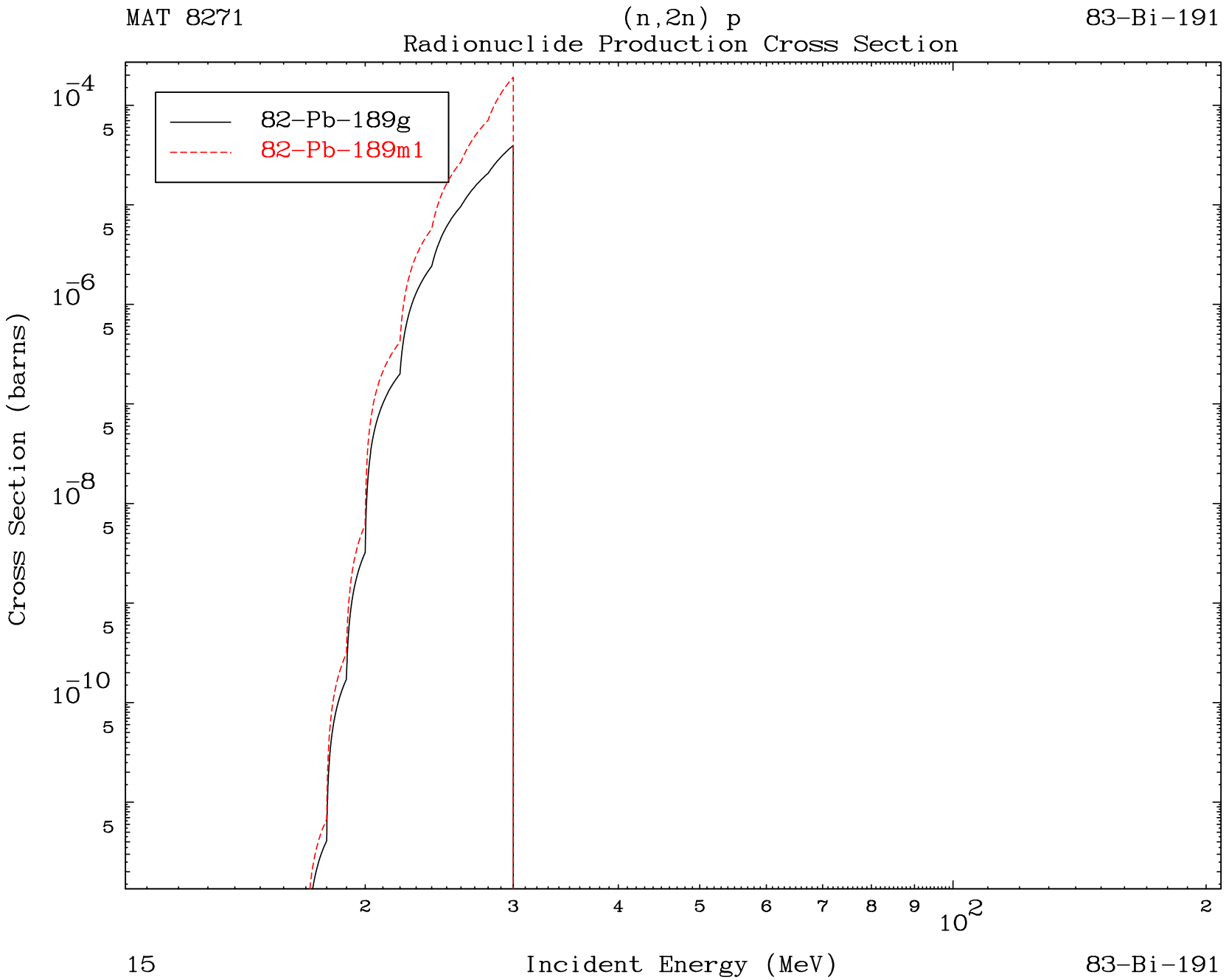

MAT 8271
(p,He3) Levels
83-Bi-191
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^1
10^2
83-Bi-191

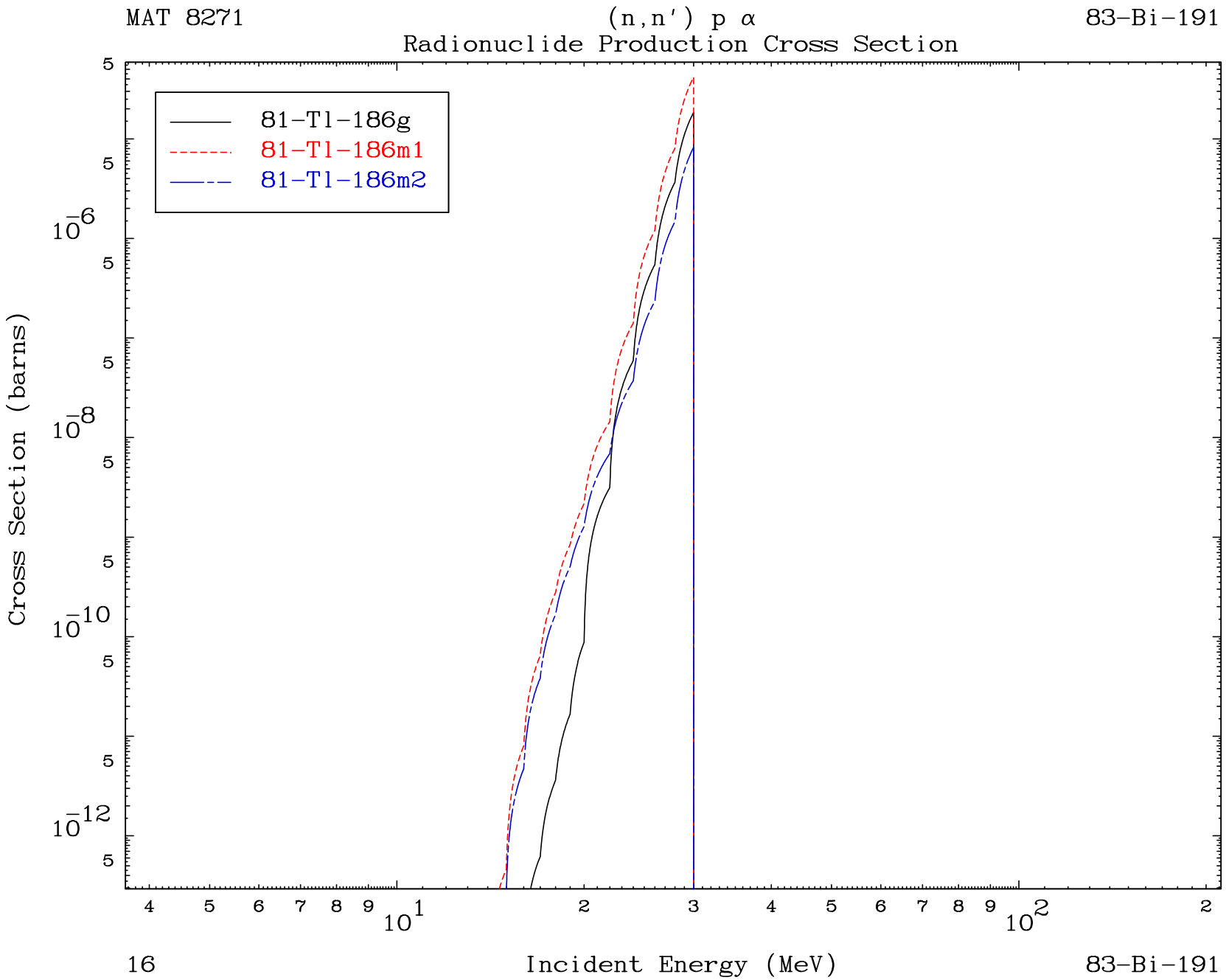

MAT 8271
(p,α) Levels
83-Bi-191
0 Kelvin Cross Sections
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
11
83-Bi-191

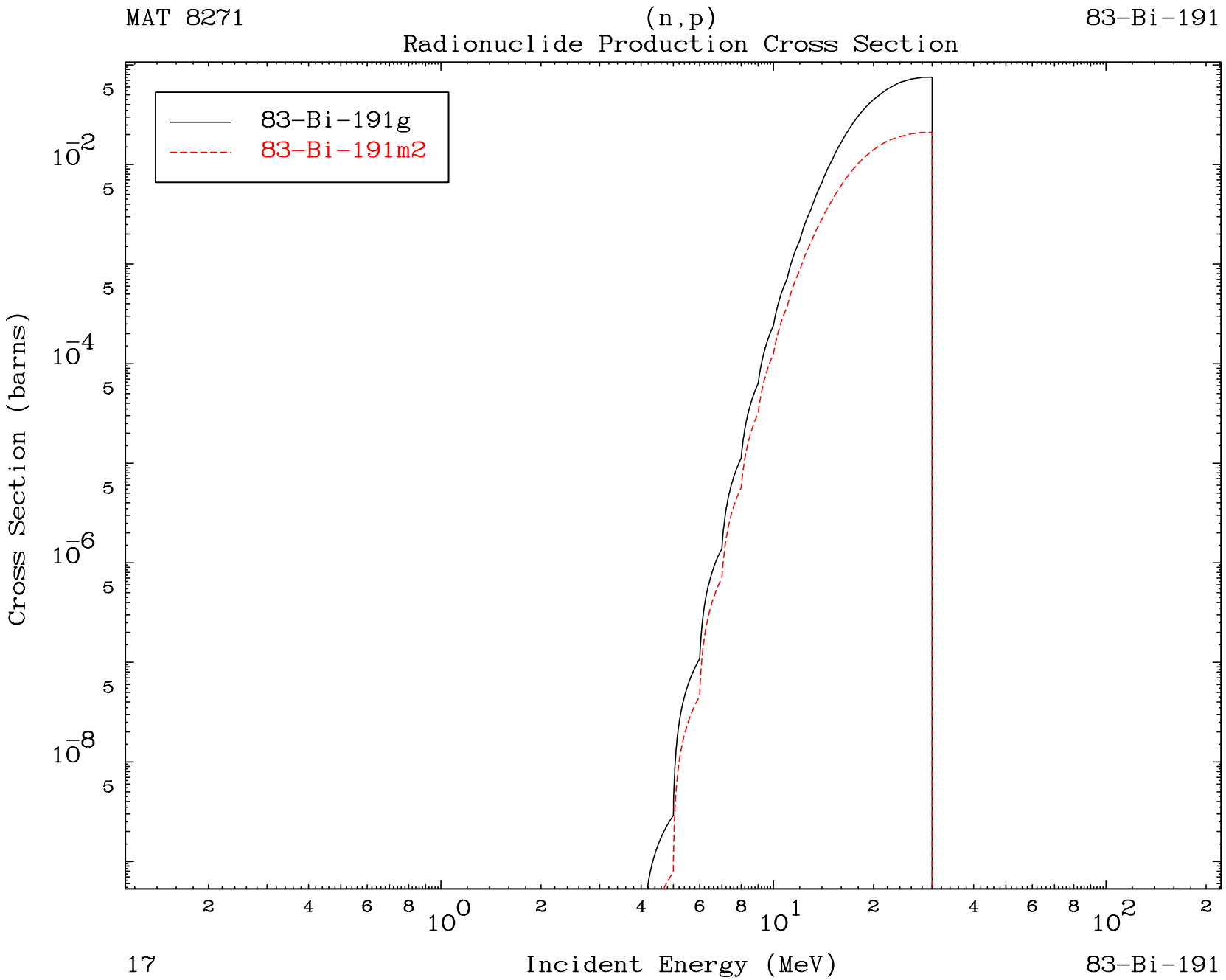

MAT 8271
Fission
83-Bi-191
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
83-Bi-191

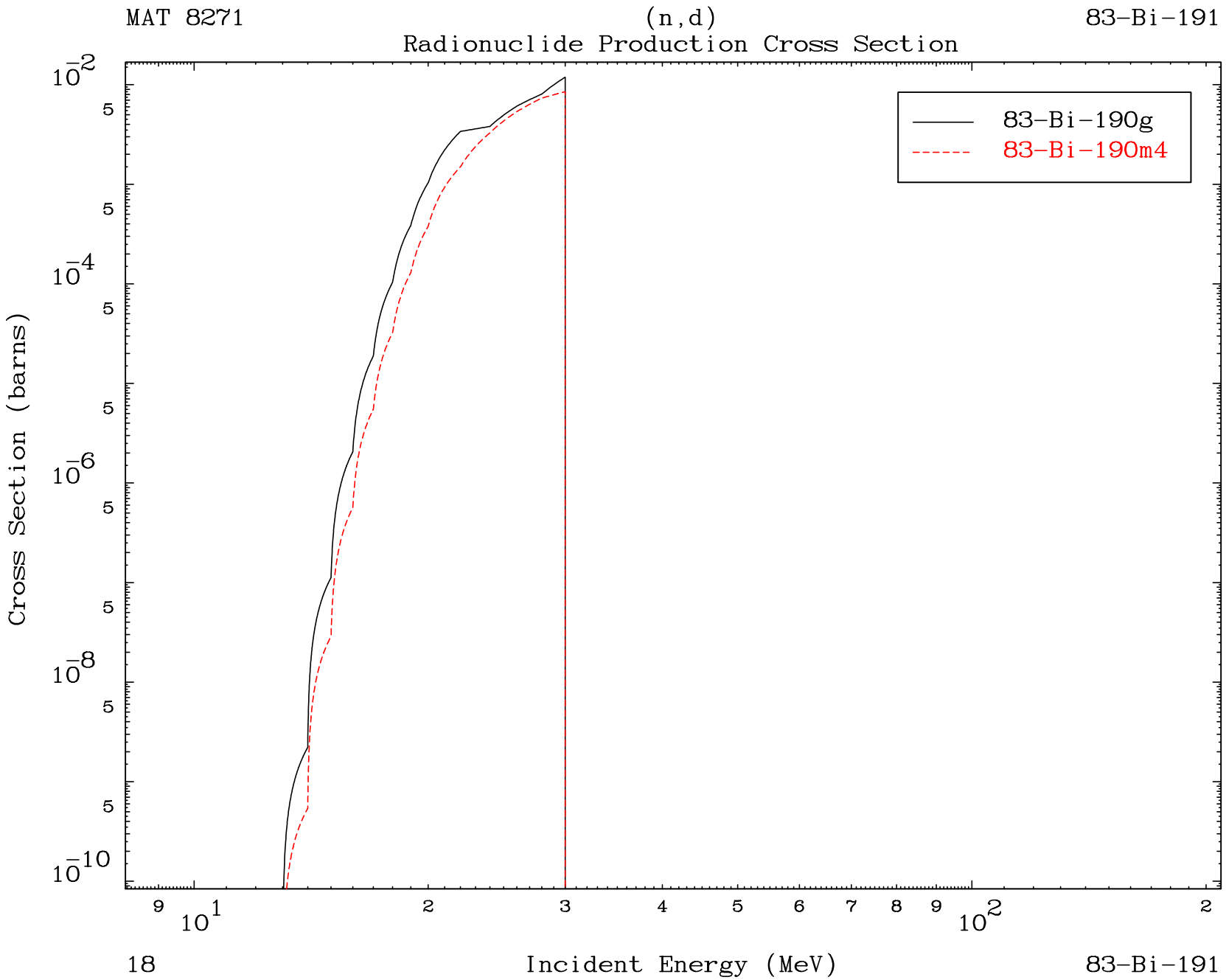

MAT 8271
(n,n') α
83-Bi-191
Radionuclide Production Cross Section
82-Pb-187g
82-Pb-187m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
4
6
8
10^1
10^2
13
Incident Energy (MeV)
83-Bi-191

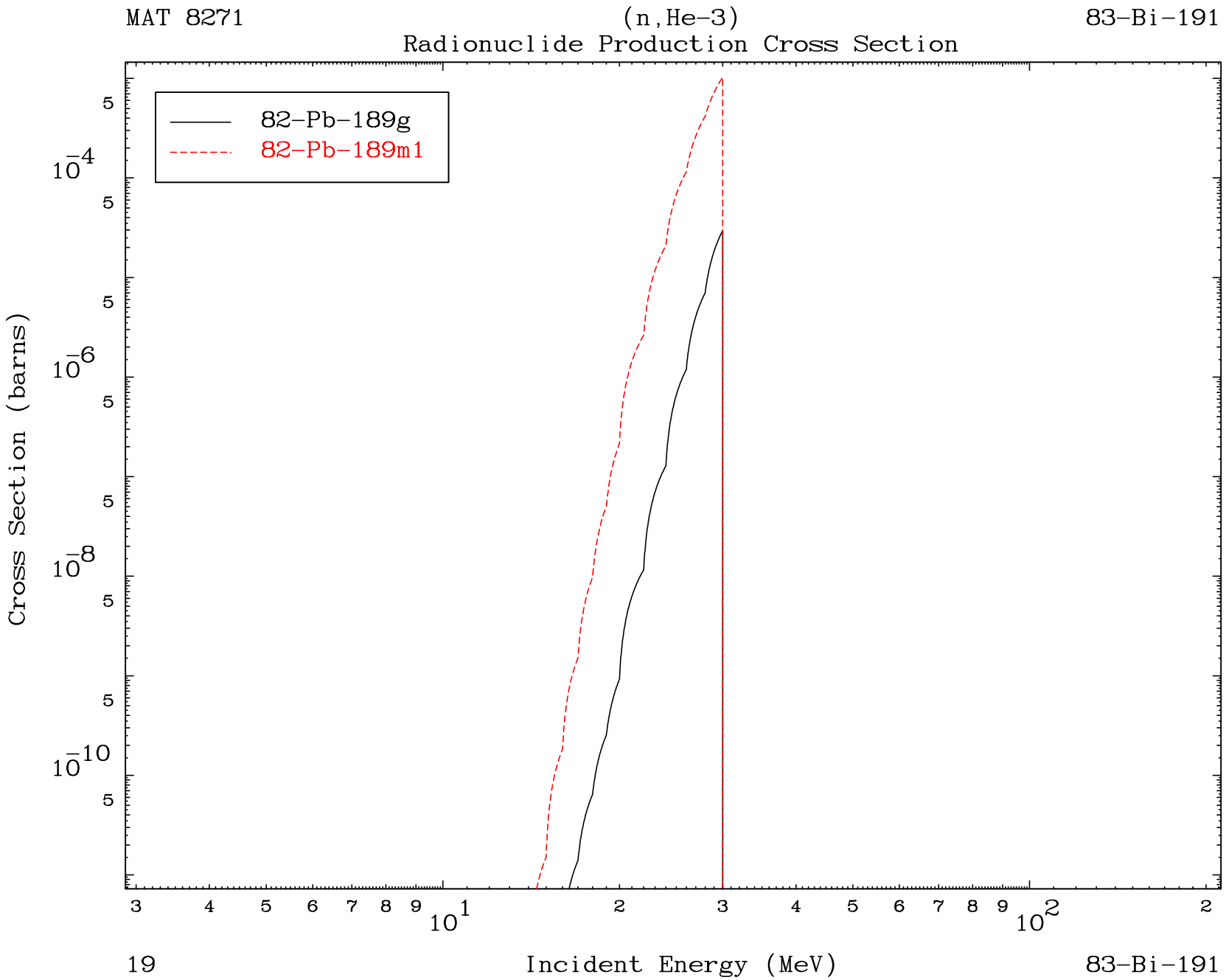

MAT 8271
(n,n') p
83-Bi-191
Radionuclide Production Cross Section
83-Bi-190g
83-Bi-190m4
Cross Section (barns)
Incident Energy (MeV)
14
83-Bi-191

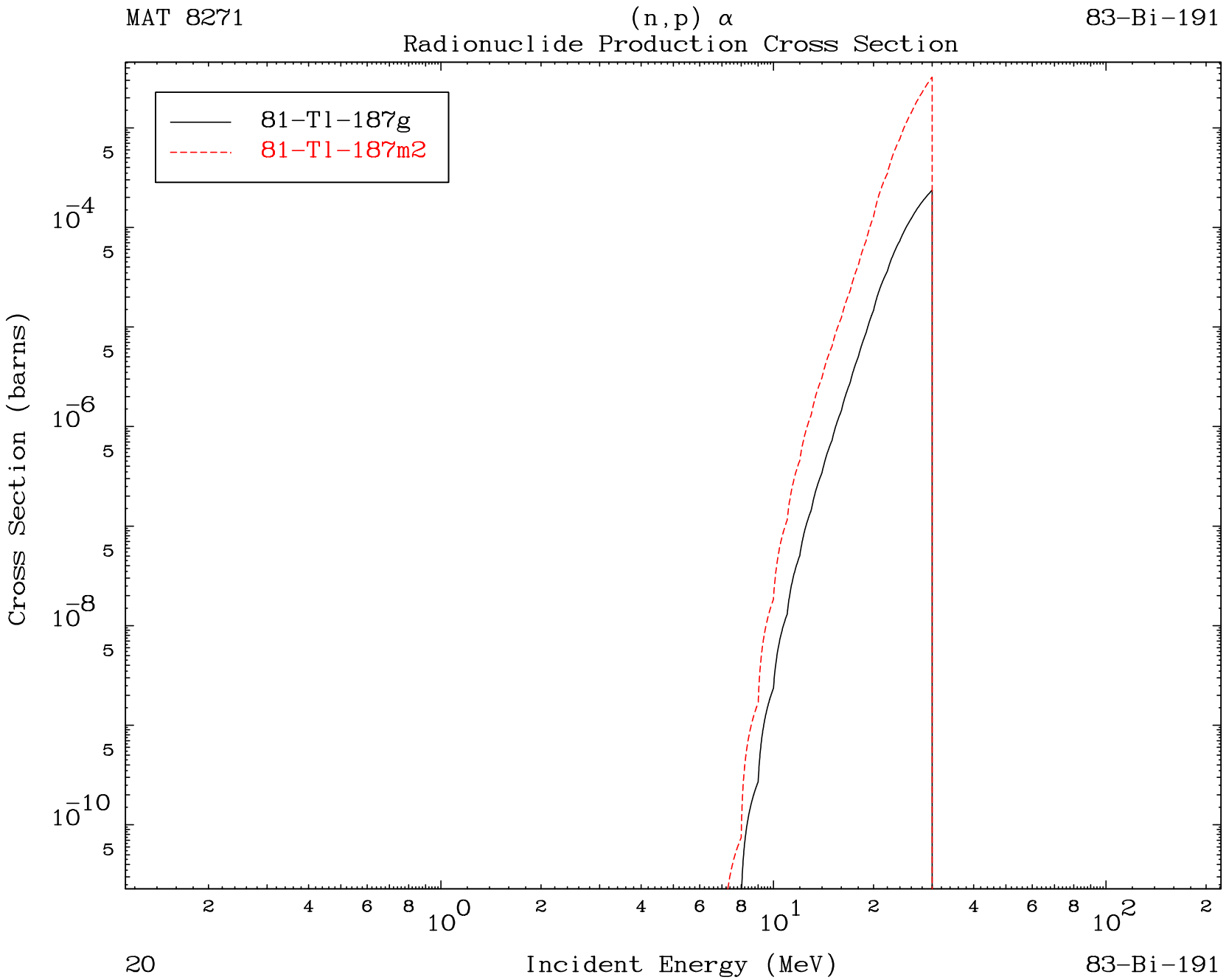

MAT 8271
(n,2n) p
83-Bi-191
Radionuclide Production Cross Section
82-Pb-189g
82-Pb-189m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
83-Bi-191

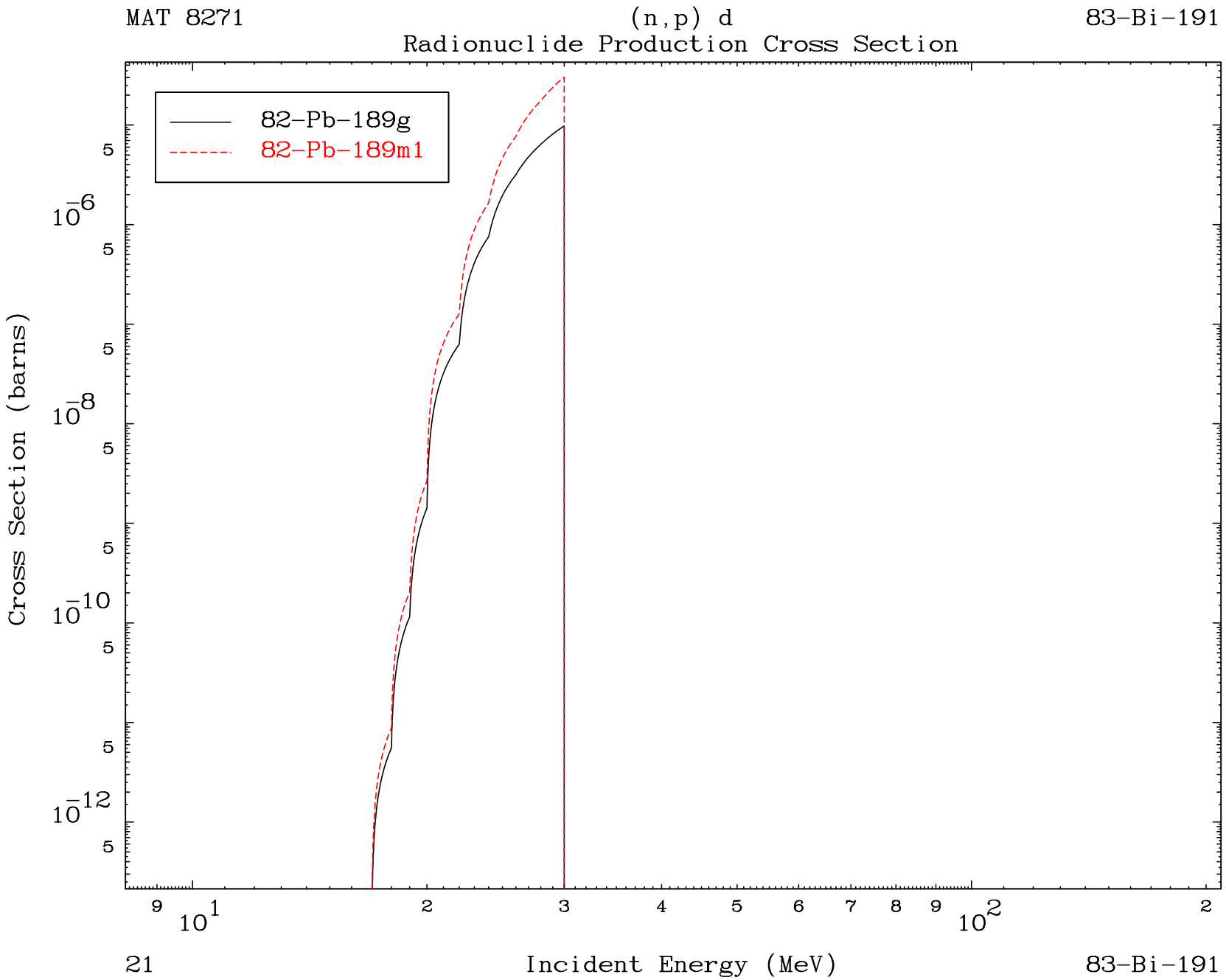

MAT 8271
(n,n') p α
83-Bi-191
Radionuclide Production Cross Section
81-Tl-186g
81-Tl-186m1
81-Tl-186m2
Cross Section (barns)
Incident Energy (MeV)
16
83-Bi-191

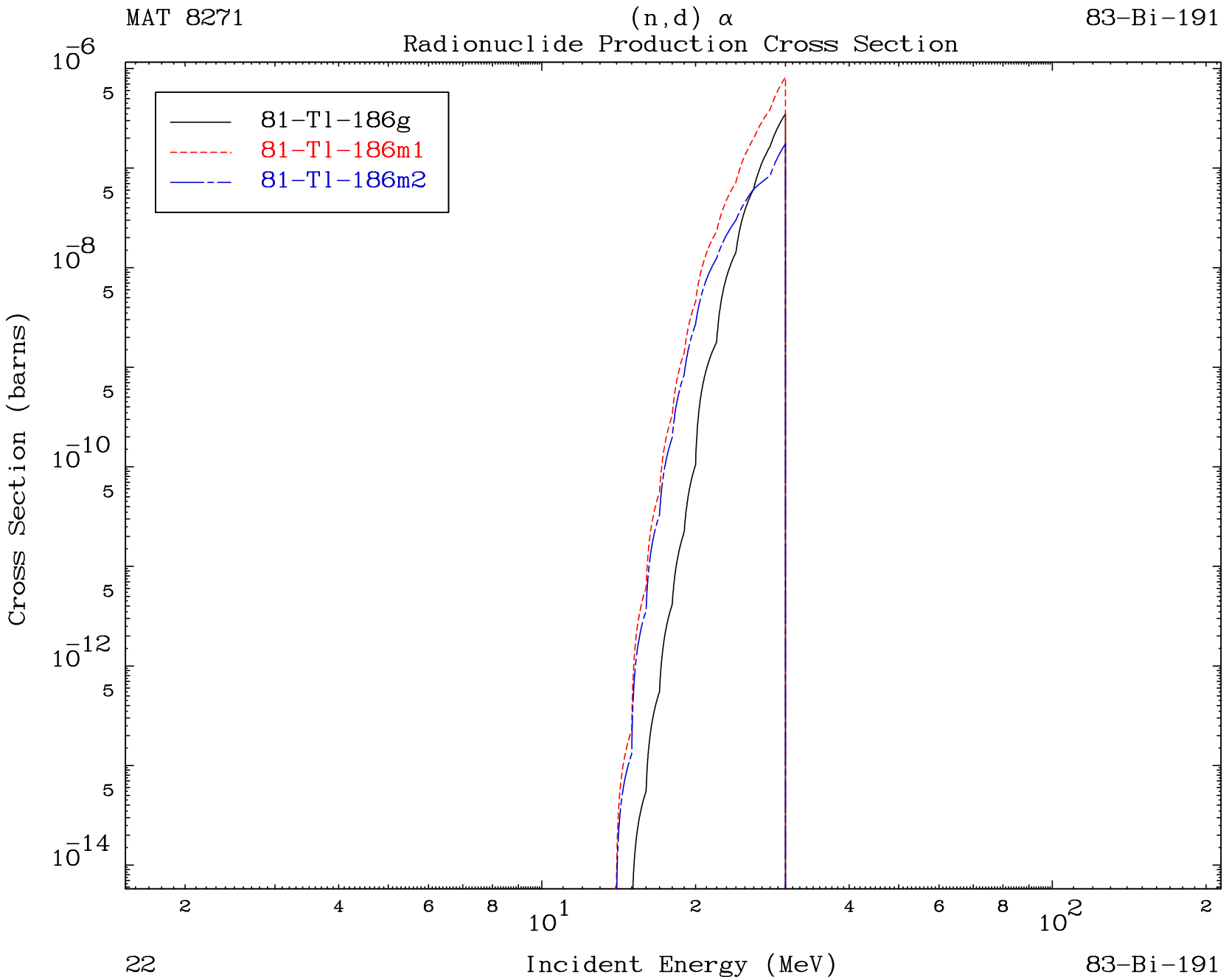

MAT 8271
(n,p)
83-Bi-191
Radionuclide Production Cross Section
83-Bi-191g
83-Bi-191m2
Cross Section (barns)
Incident Energy (MeV)
17
83-Bi-191


MAT 8271
(n,d)
83-Bi-191
Radionuclide Production Cross Section
83-Bi-190g
83-Bi-190m4
Cross Section (barns)
Incident Energy (MeV)
18
83-Bi-191


MAT 8271
(n,He-3)
83-Bi-191
Radionuclide Production Cross Section
82-Pb-189g
82-Pb-189m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
19
83-Bi-191


MAT 8271
(n,p) α
83-Bi-191
Radionuclide Production Cross Section
81-Tl-187g
81-Tl-187m2
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
20
83-Bi-191


MAT 8271
(n,p) d
83-Bi-191
Radionuclide Production Cross Section
82-Pb-189g
82-Pb-189m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
21
Incident Energy (MeV)
83-Bi-191


MAT 8271
(n,d) α
83-Bi-191
Radionuclide Production Cross Section
81-Tl-186g
81-Tl-186m1
81-Tl-186m2
Cross Section (barns)
Incident Energy (MeV)
22
83-Bi-191