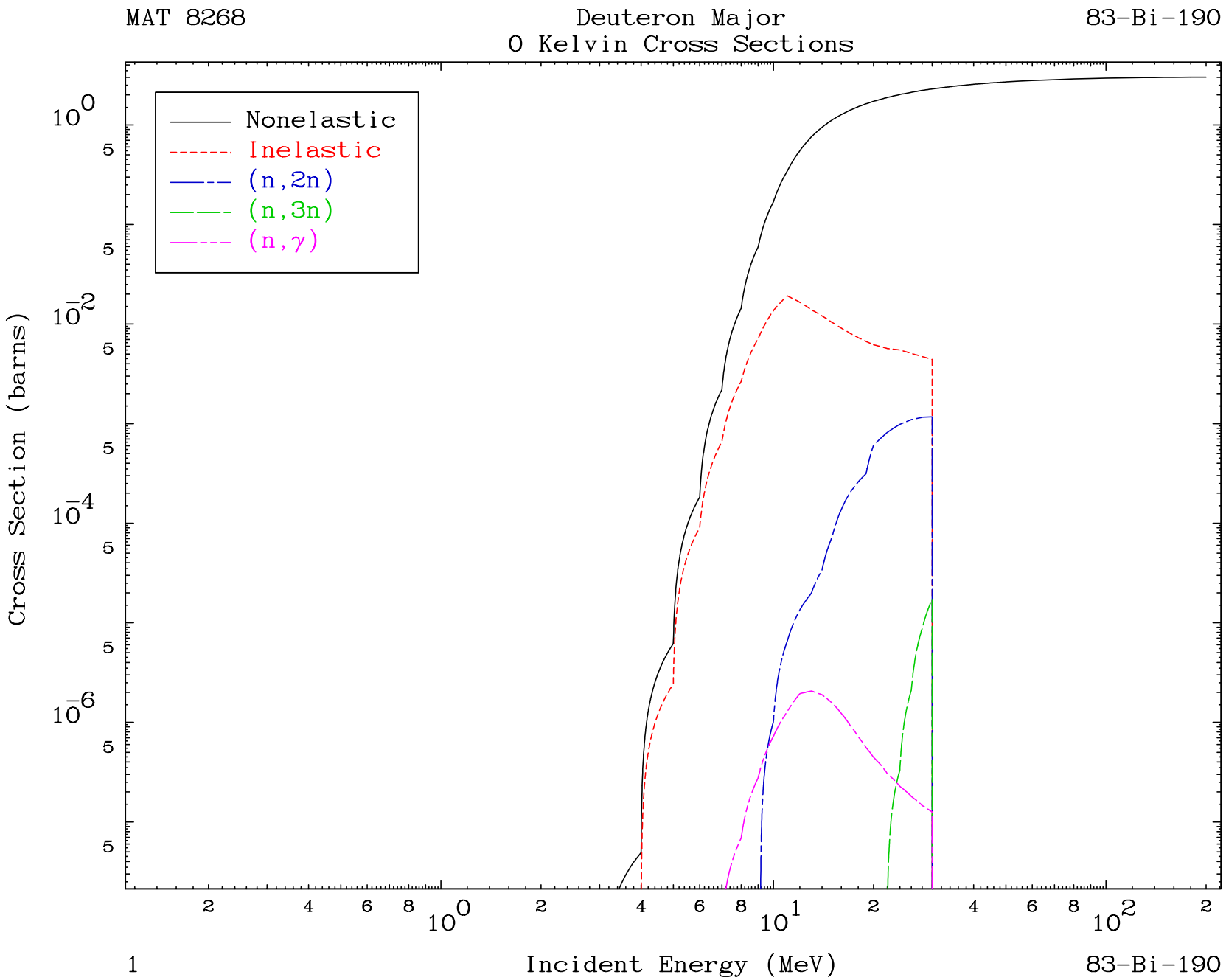
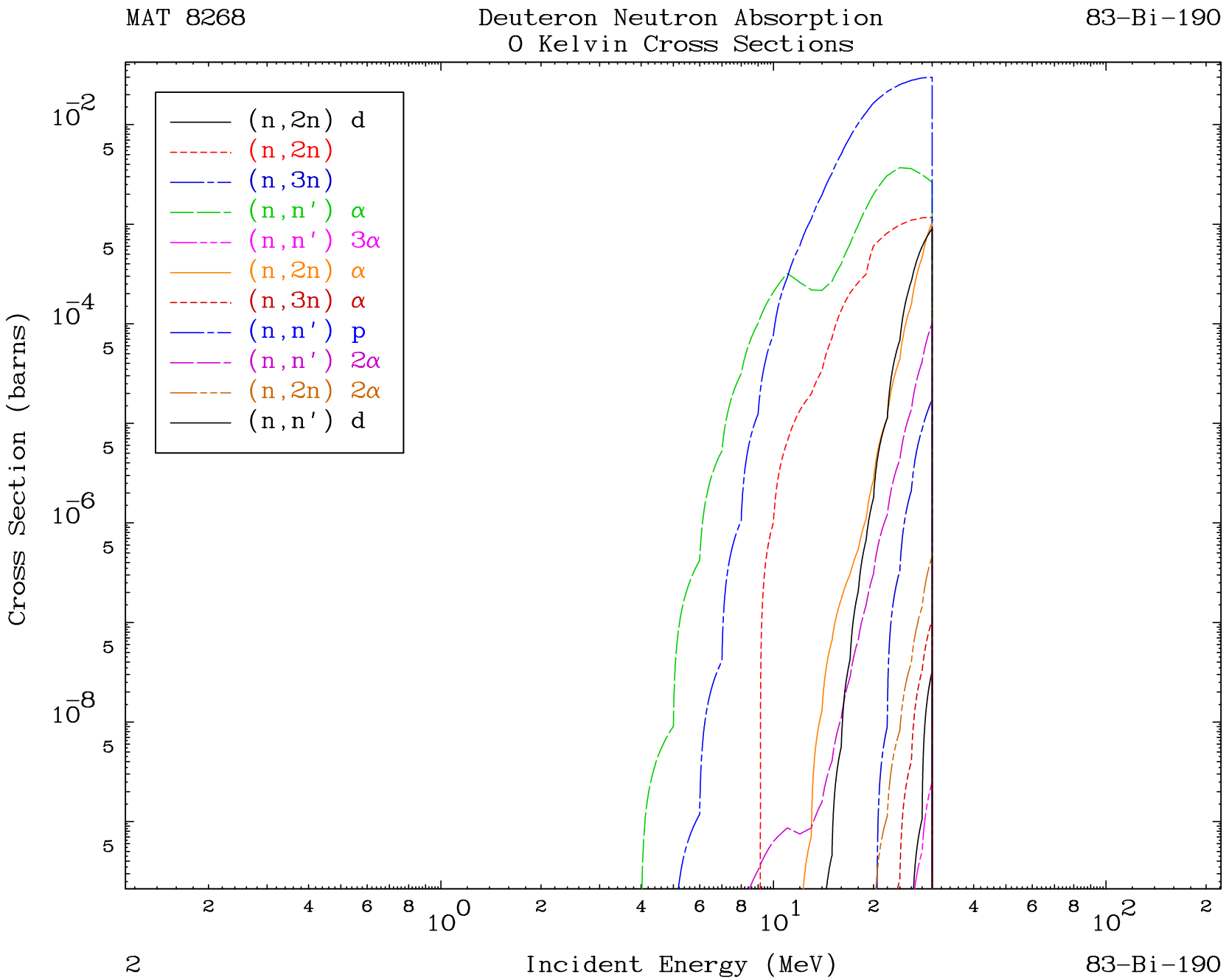
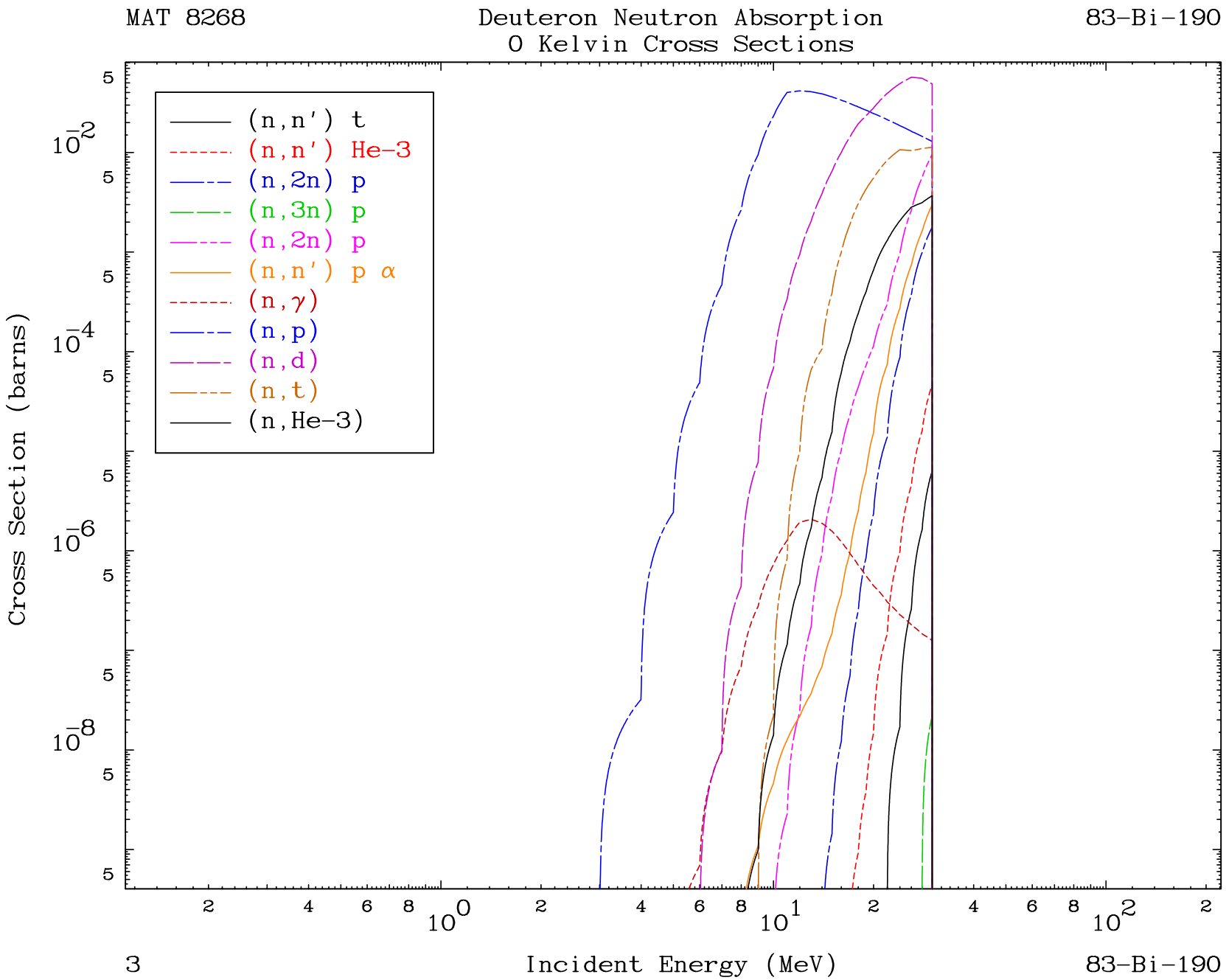
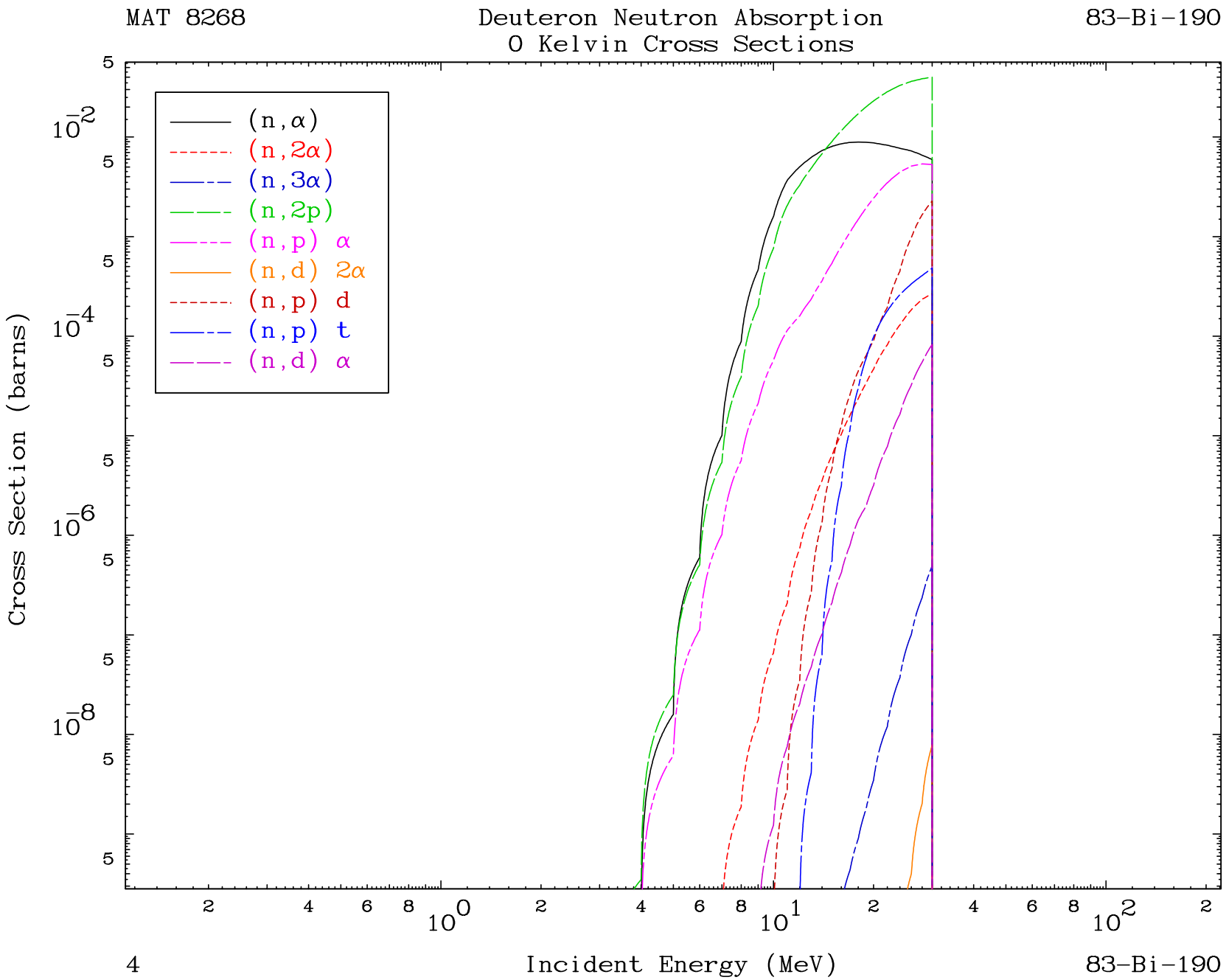
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

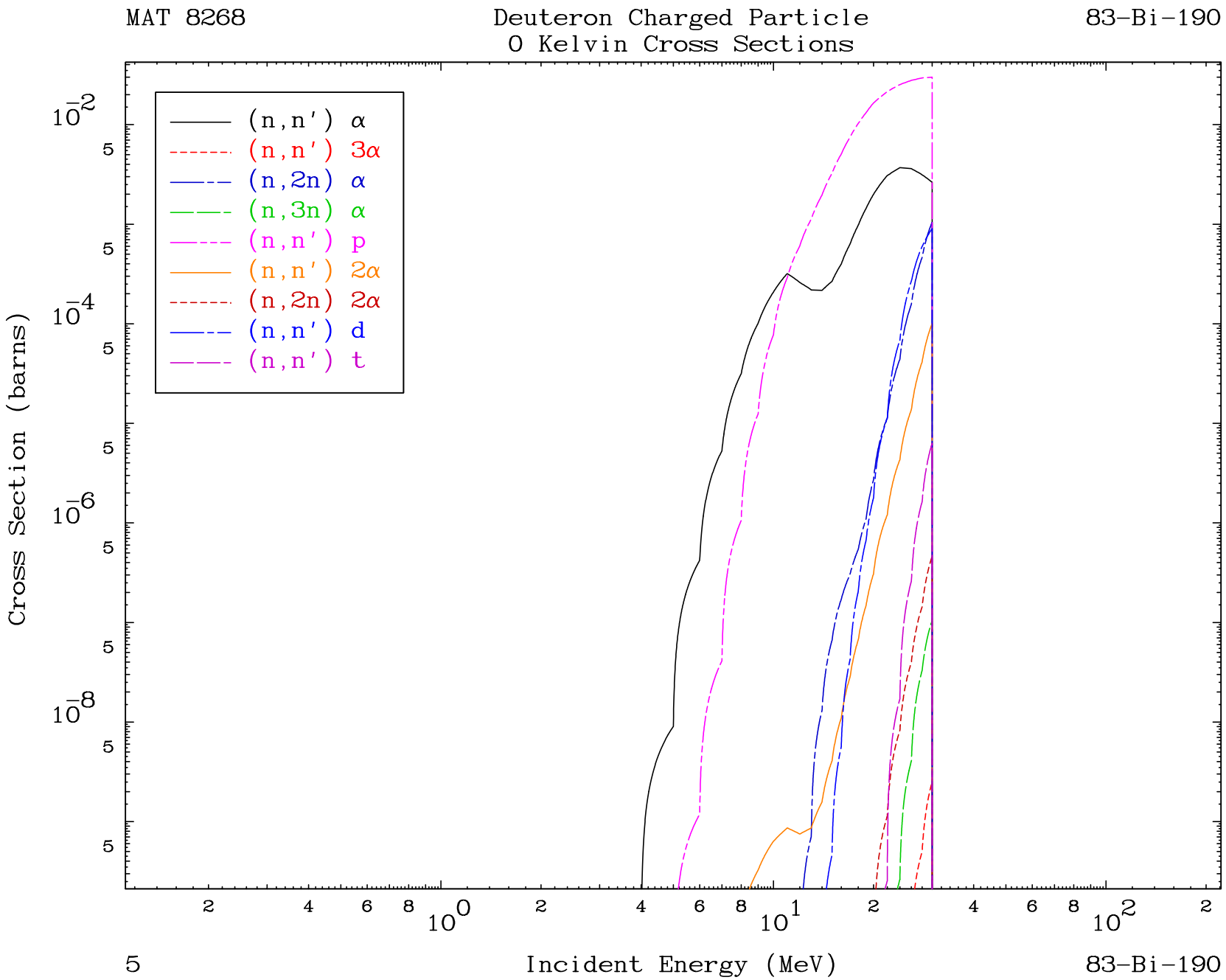
Press Mouse Button to Start

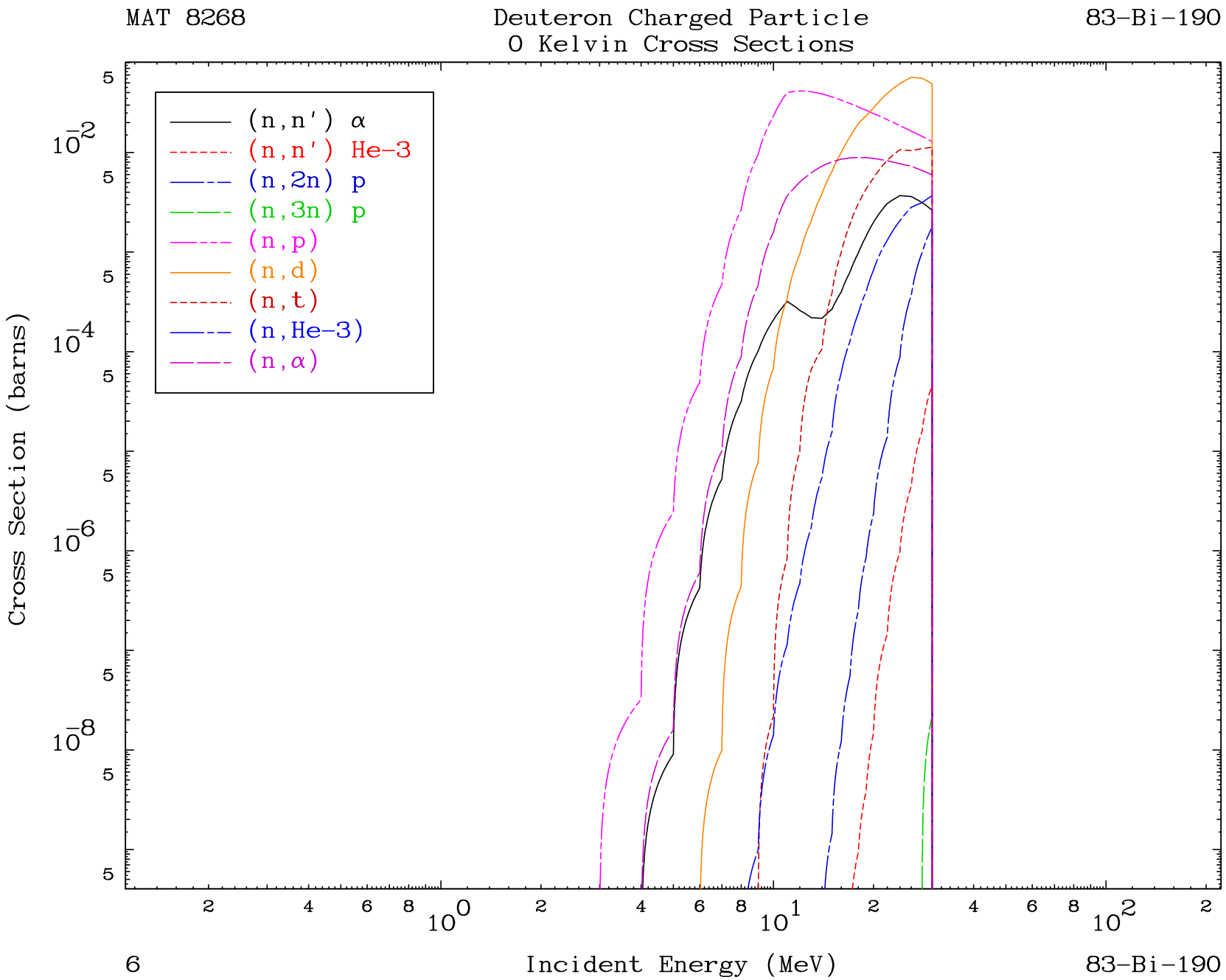

MAT 8268
Deuteron Major
0 Kelvin Cross Sections
83-Bi-190
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
83-Bi-190

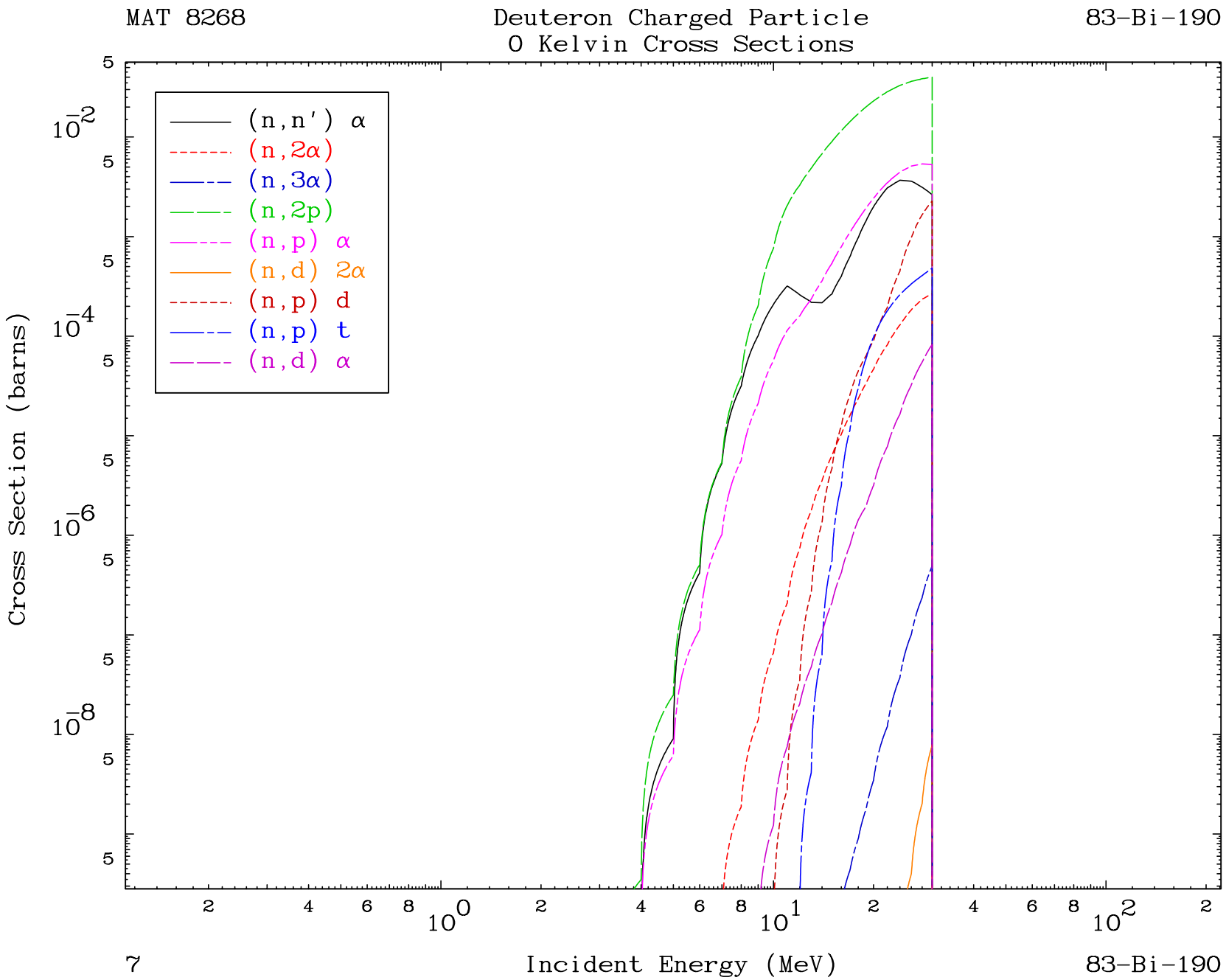

MAT 8268
Deuteron Neutron Absorption
0 Kelvin Cross Sections
83-Bi-190
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,n') 3α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
2
83-Bi-190

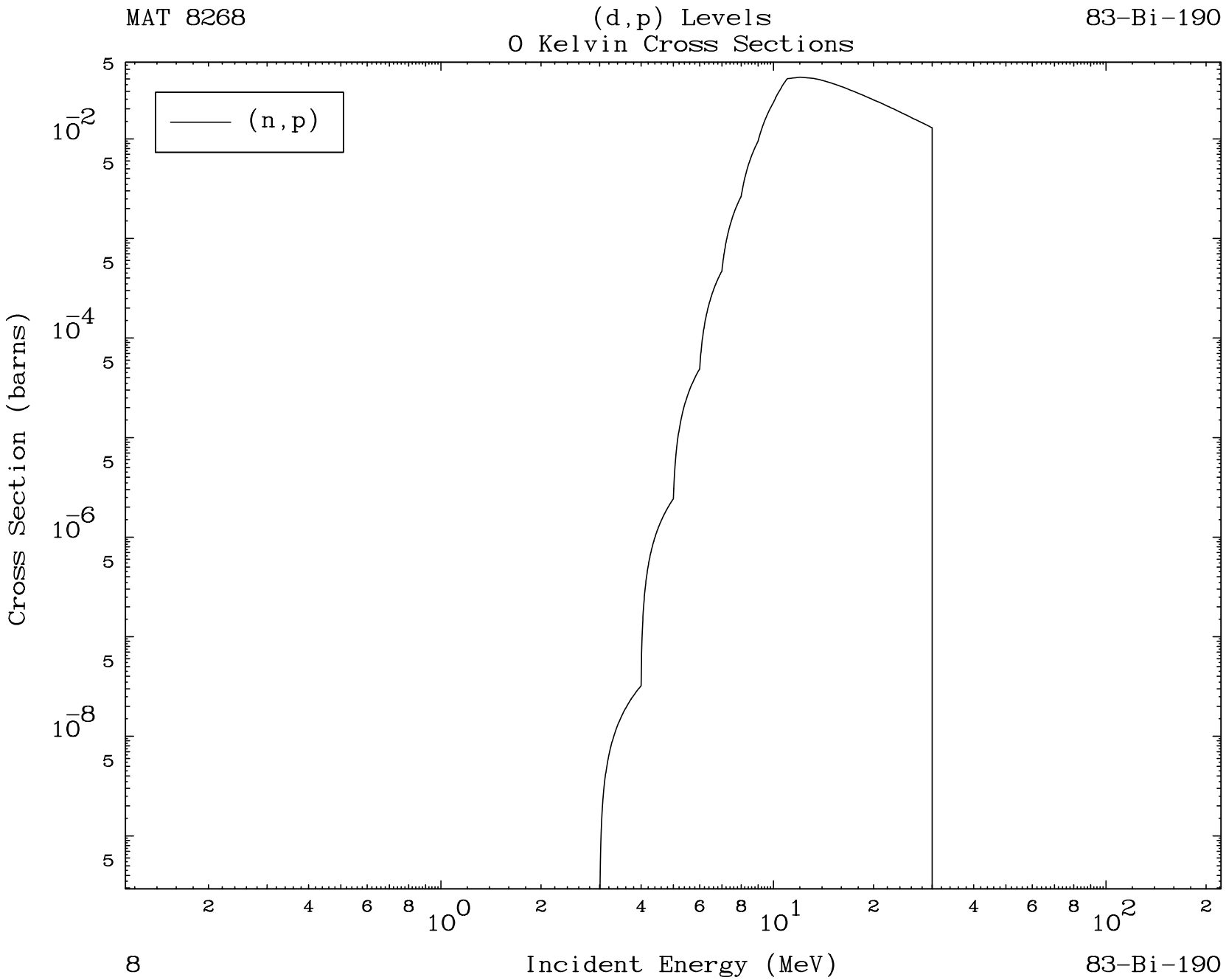

MAT 8268
Deuteron Neutron Absorption
0 Kelvin Cross Sections
83-Bi-190
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
3
83-Bi-190

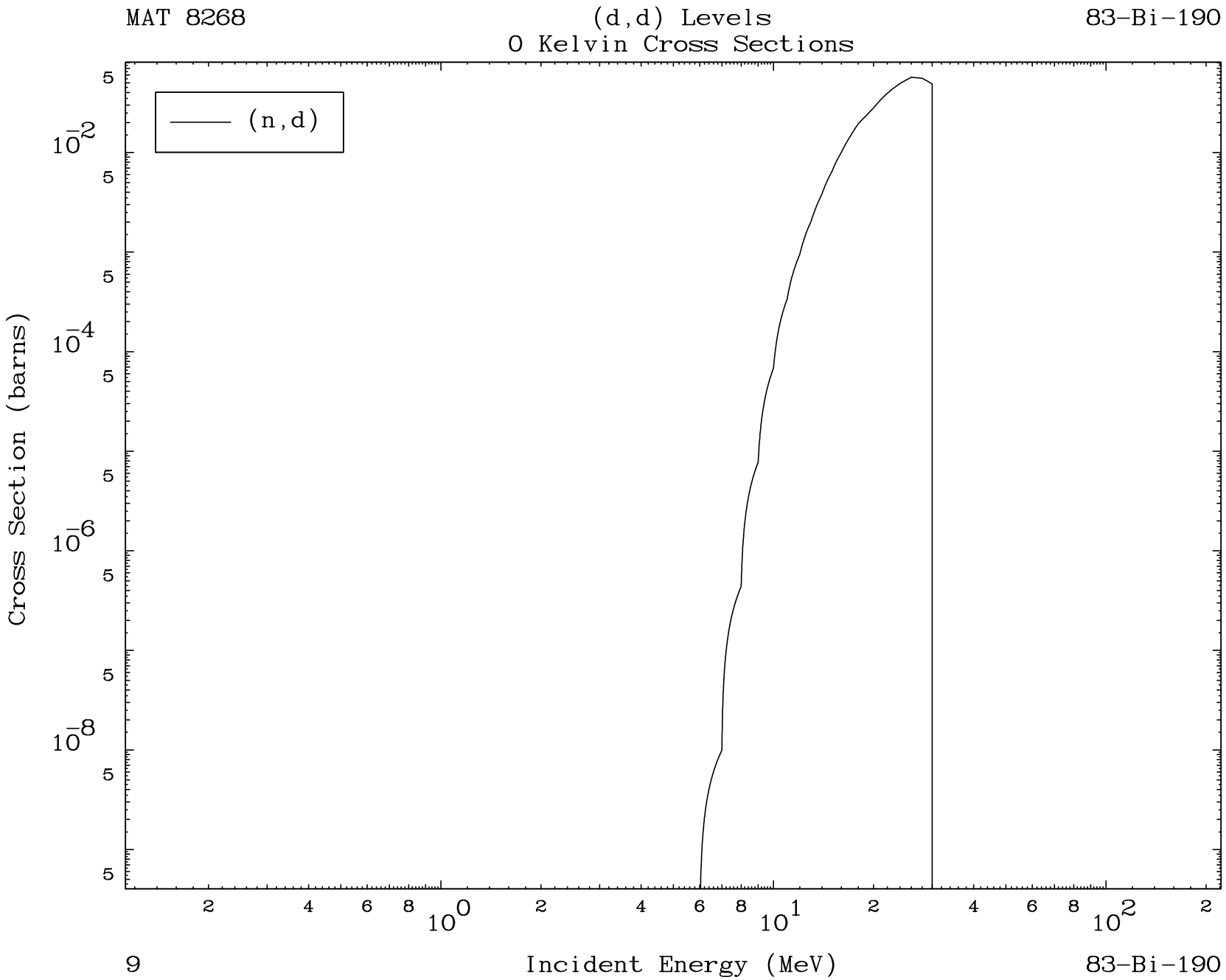

MAT 8268
Deuteron Neutron Absorption
0 Kelvin Cross Sections
83-Bi-190
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
83-Bi-190

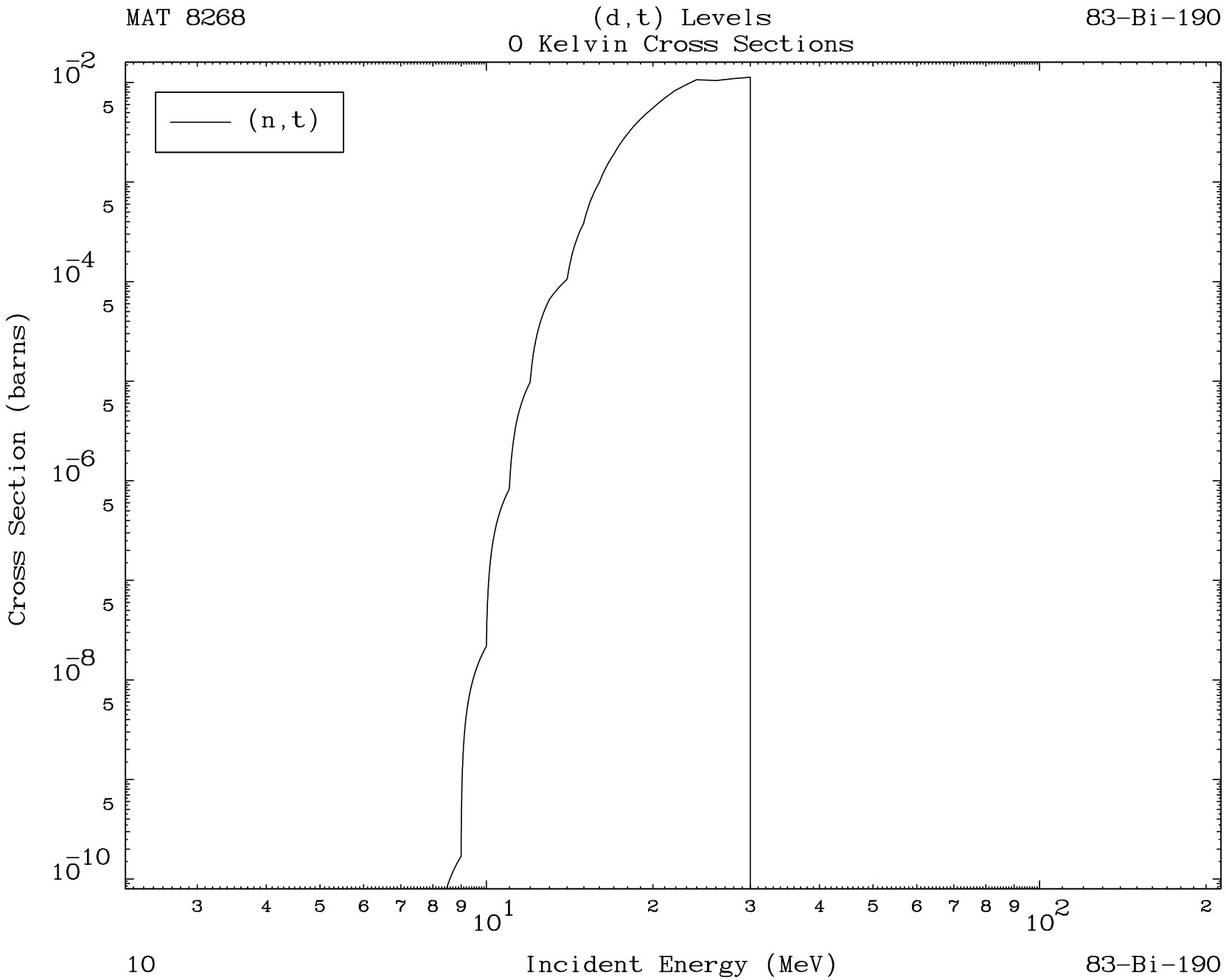

MAT 8268
Deuteron Charged Particle
0 Kelvin Cross Sections
83-Bi-190
(n,n') α
(n,n') 3α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
83-Bi-190

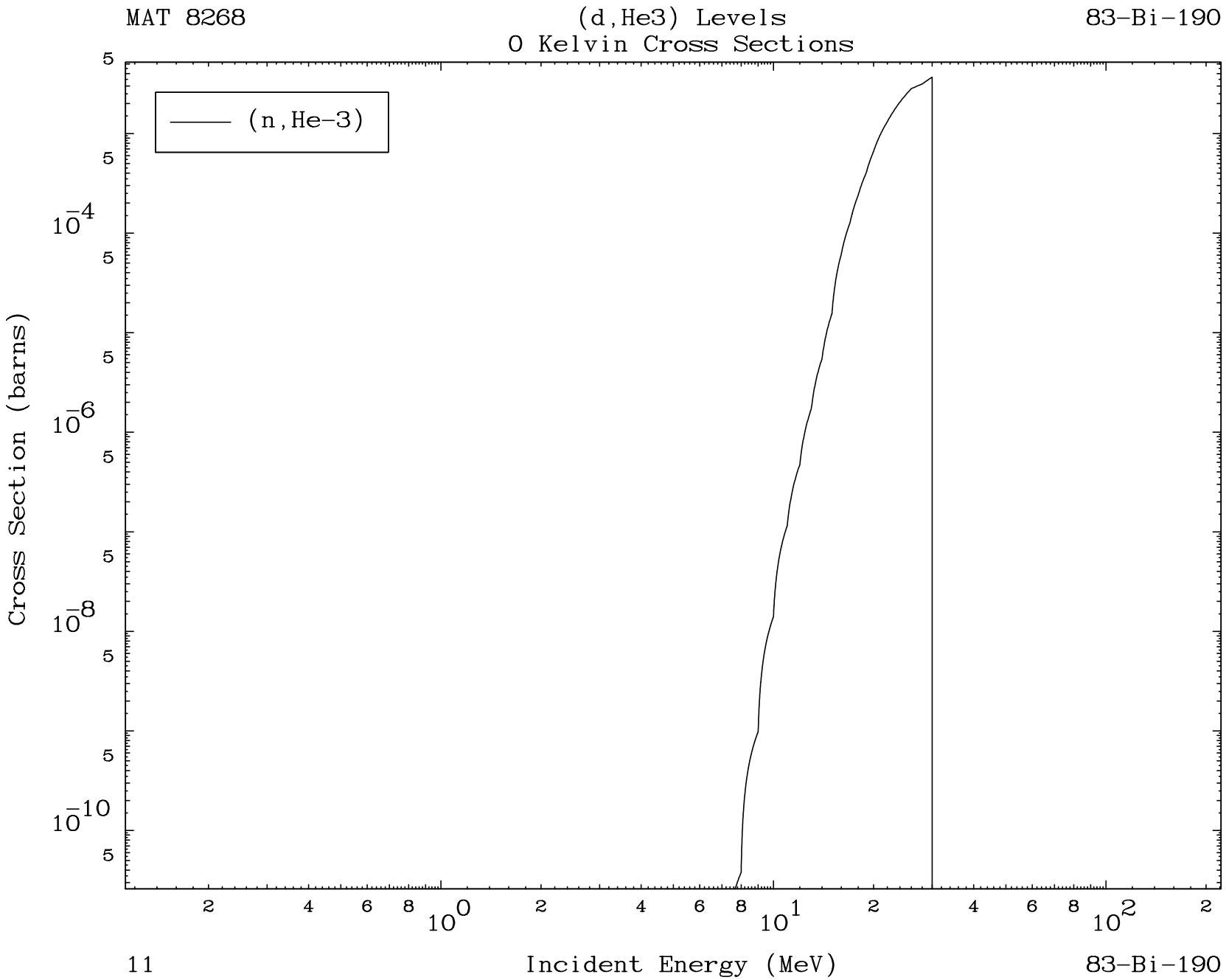

MAT 8268
Deuteron Charged Particle
0 Kelvin Cross Sections
83-Bi-190
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
6
83-Bi-190

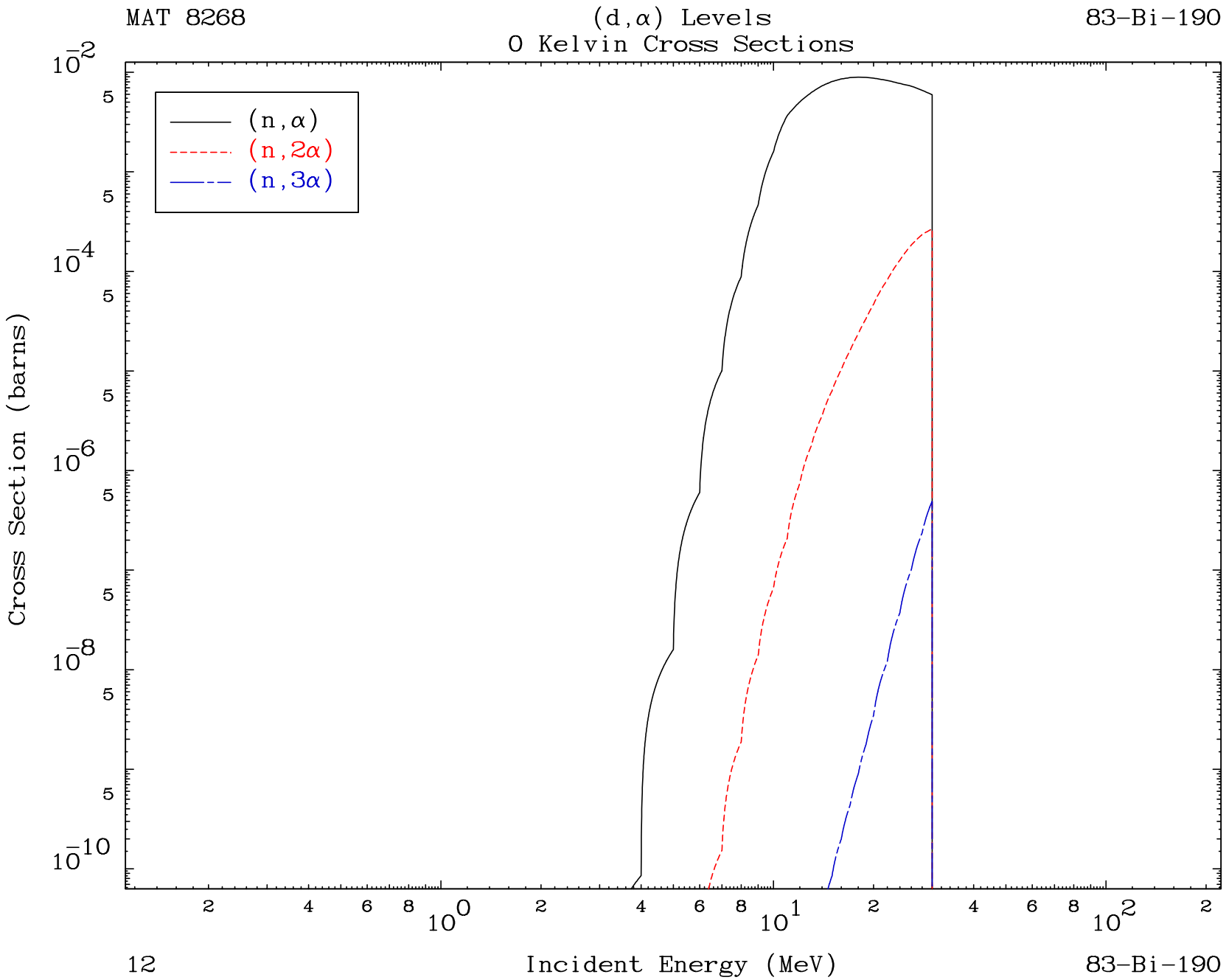

MAT 8268
Deuteron Charged Particle
0 Kelvin Cross Sections
83-Bi-190
(n,n') α
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
83-Bi-190

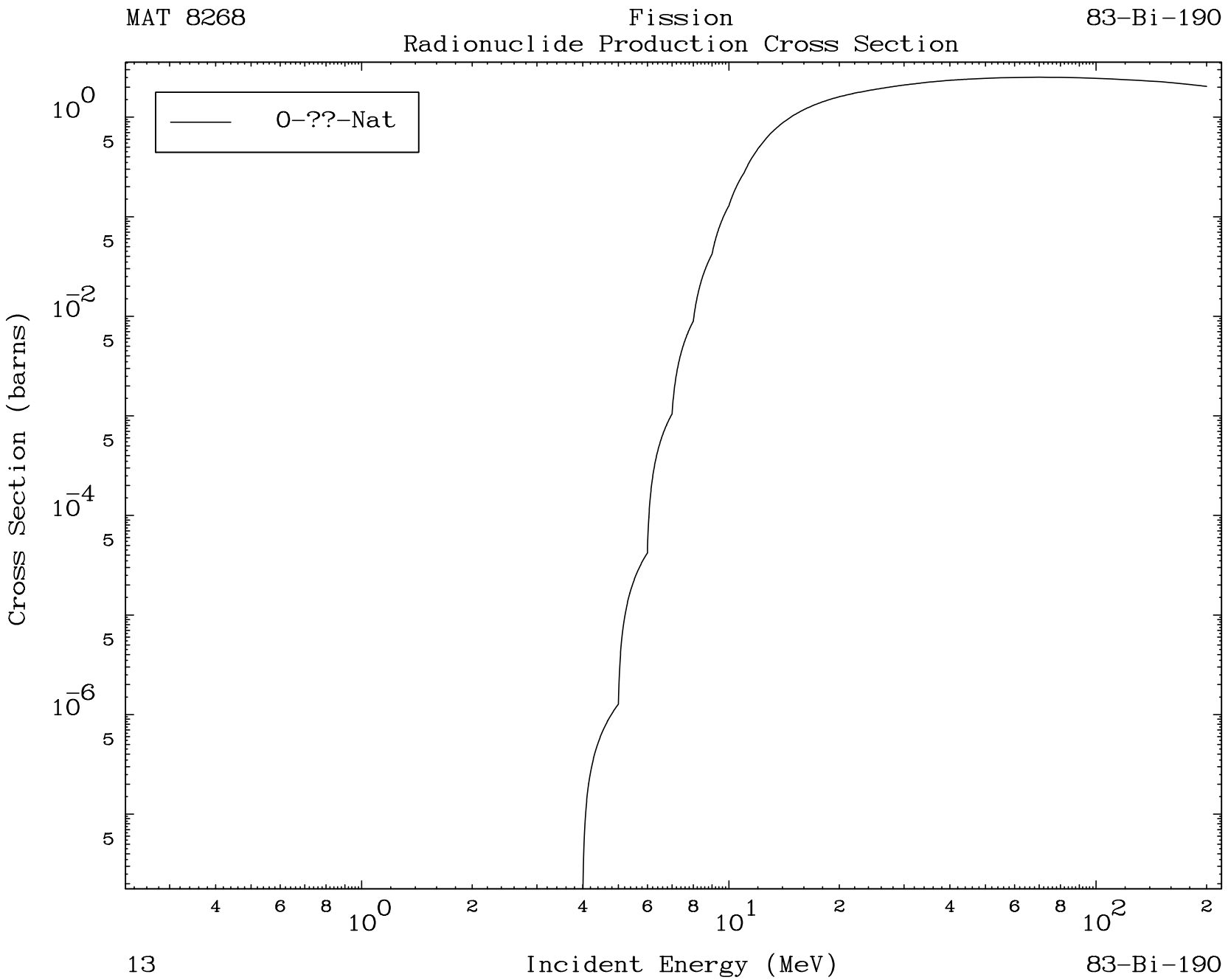

MAT 8268
(d,p) Levels
83-Bi-190
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
8
83-Bi-190

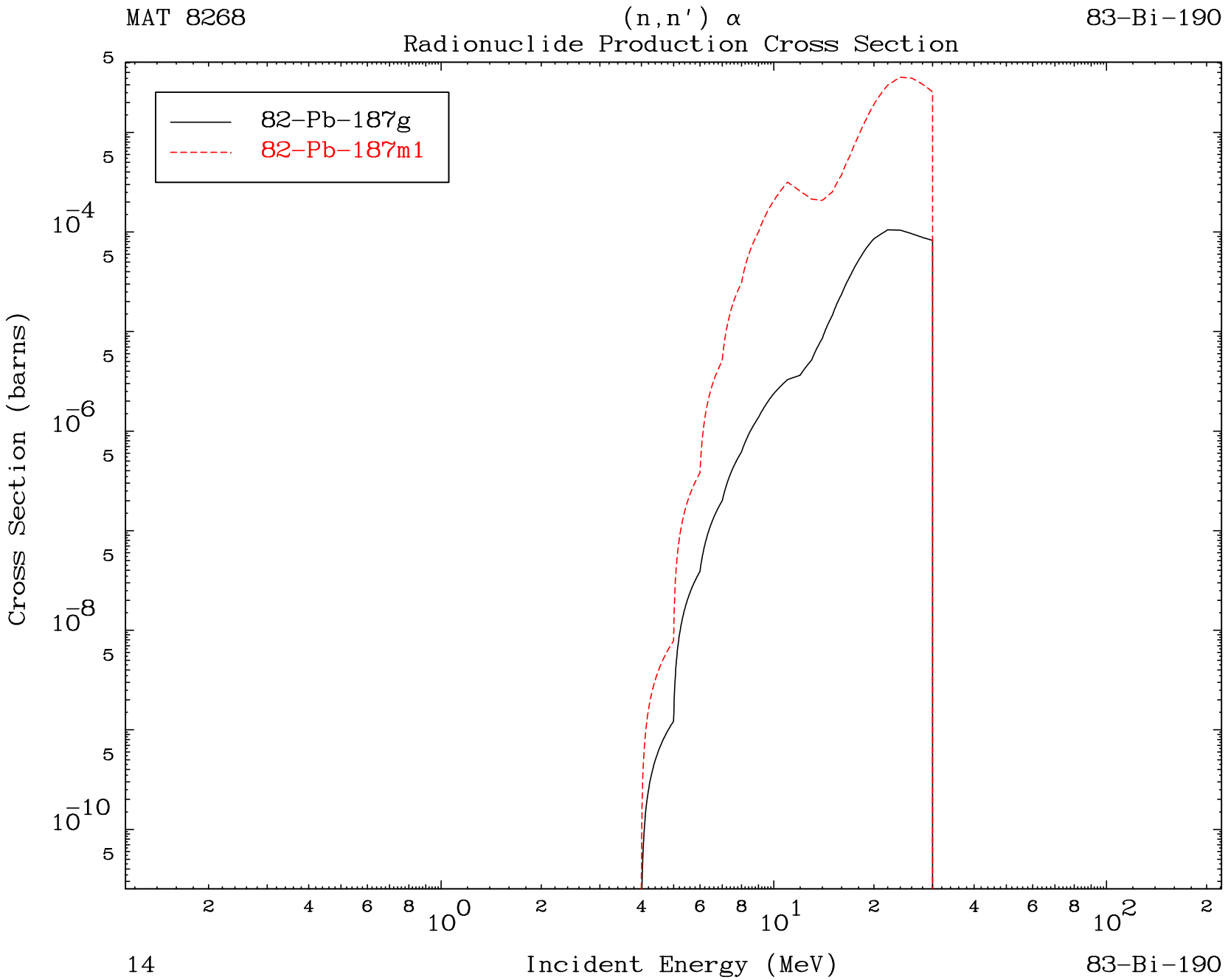

MAT 8268
(d,d) Levels
83-Bi-190
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
83-Bi-190

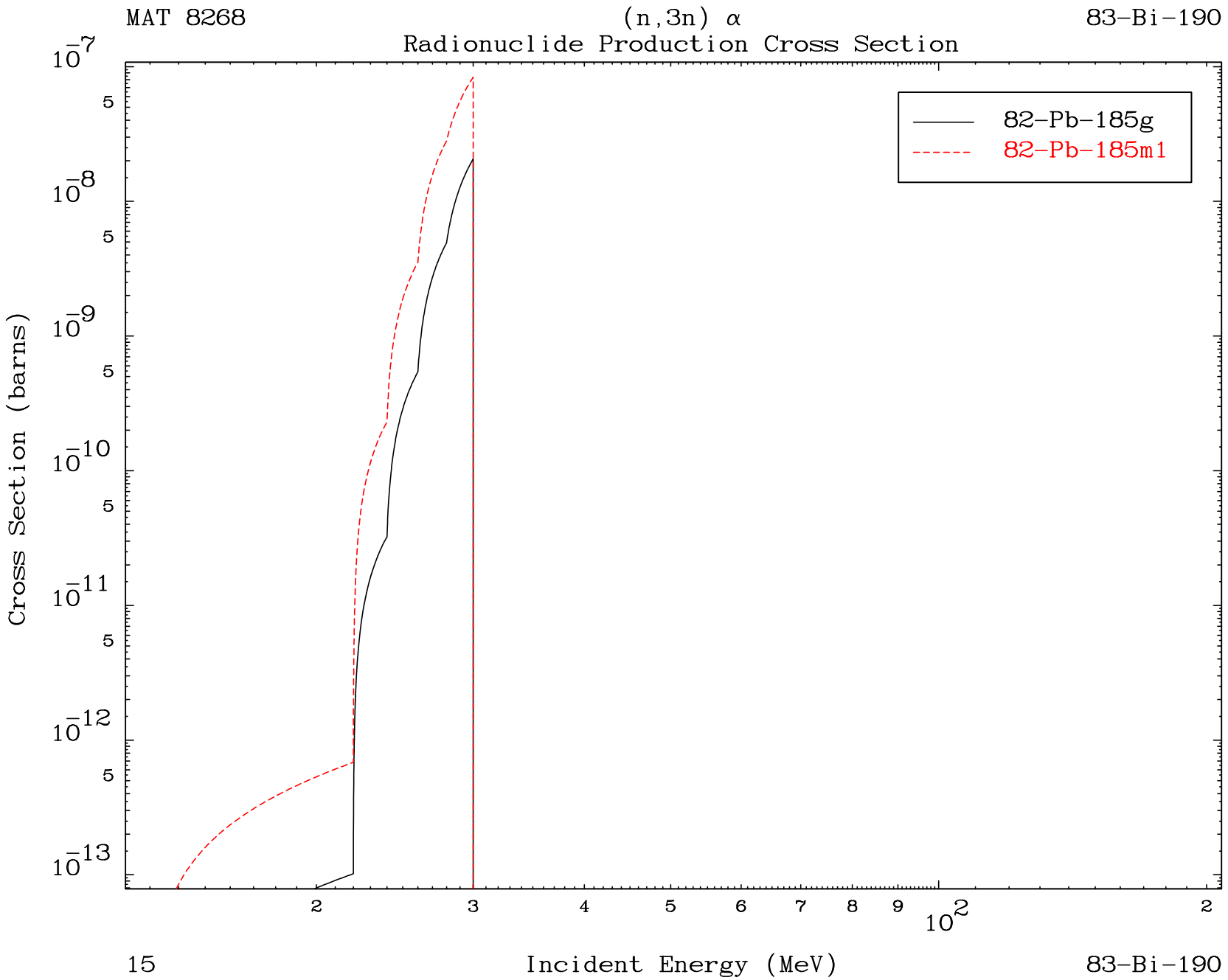

MAT 8268
(d,t) Levels
83-Bi-190
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
10
83-Bi-190

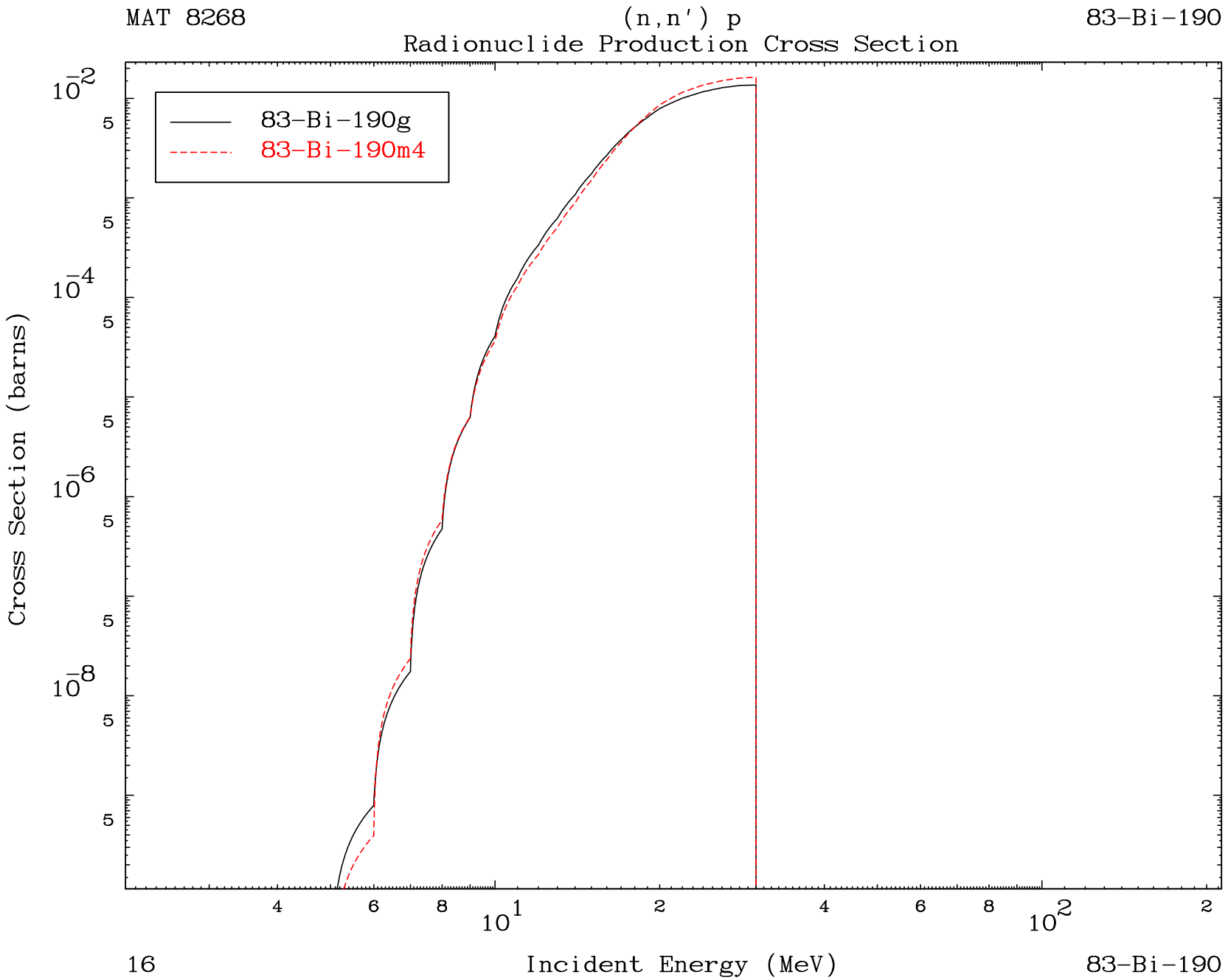

MAT 8268
(d,He3) Levels
83-Bi-190
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
83-Bi-190

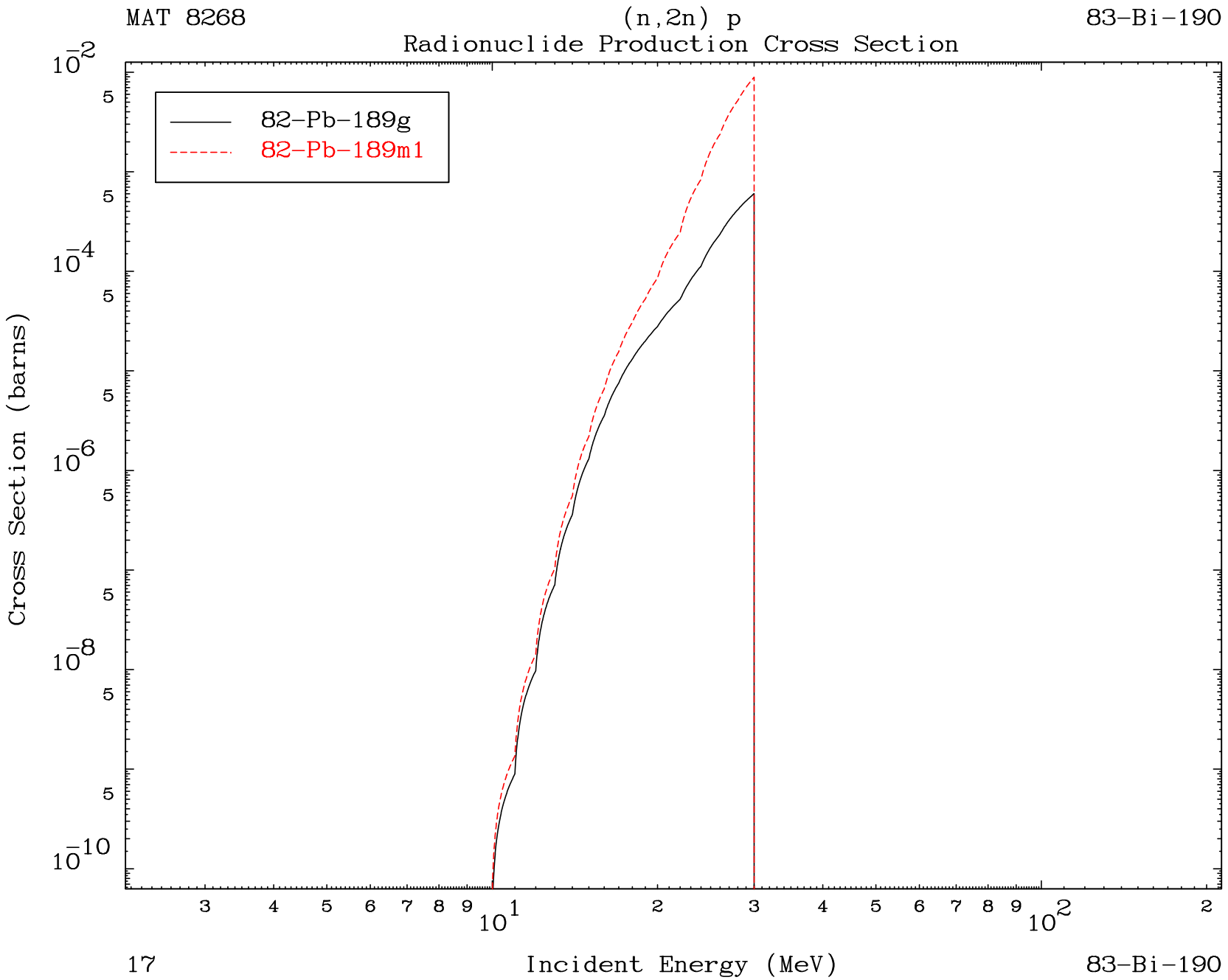

MAT 8268
(d,α) Levels
83-Bi-190
0 Kelvin Cross Sections
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
Incident Energy (MeV)
12
83-Bi-190

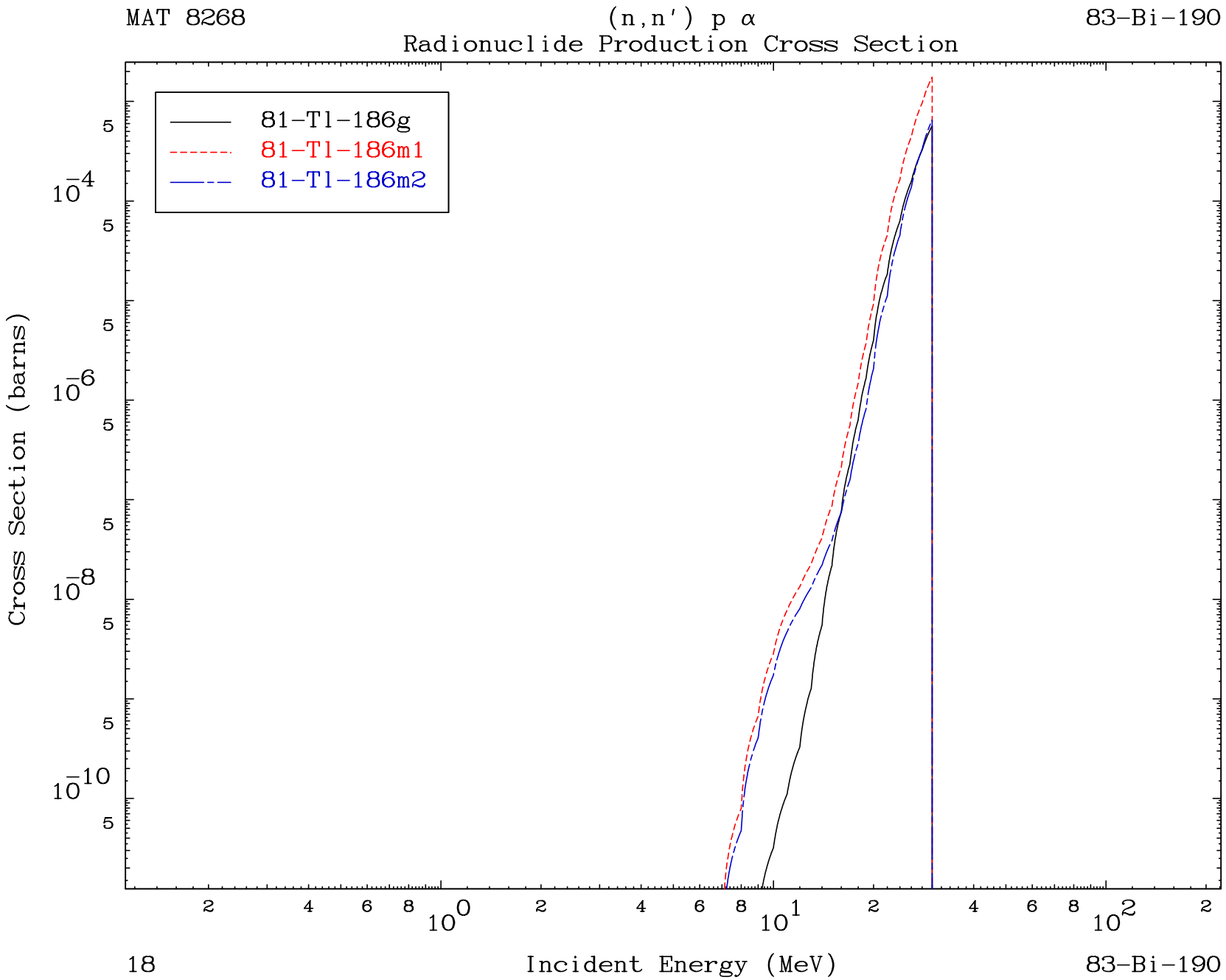

MAT 8268
Fission
83-Bi-190
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
13
83-Bi-190

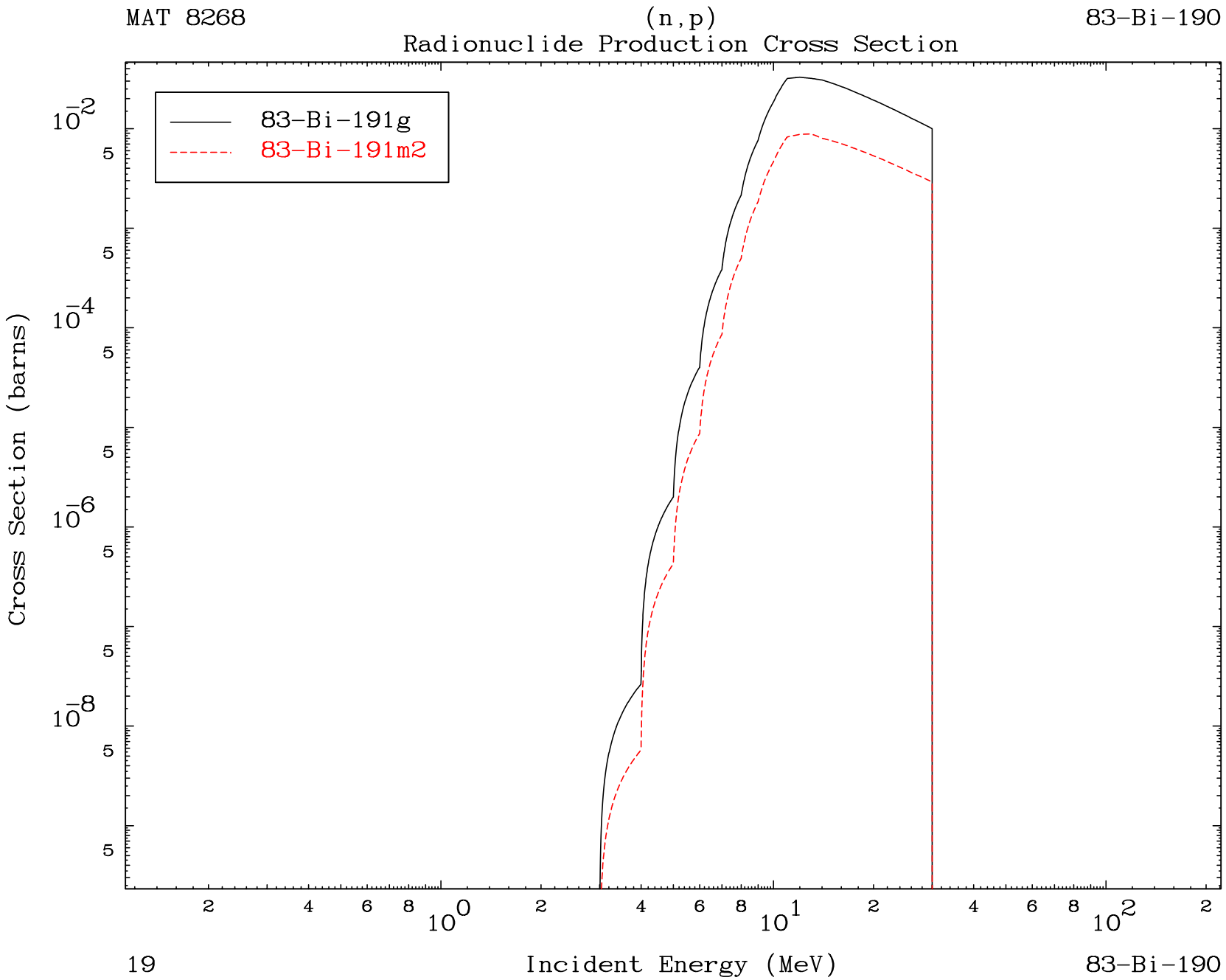

MAT 8268
(n,n') α
83-Bi-190
Radionuclide Production Cross Section
82-Pb-187g
82-Pb-187m1
Cross Section (barns)
Incident Energy (MeV)
14
83-Bi-190

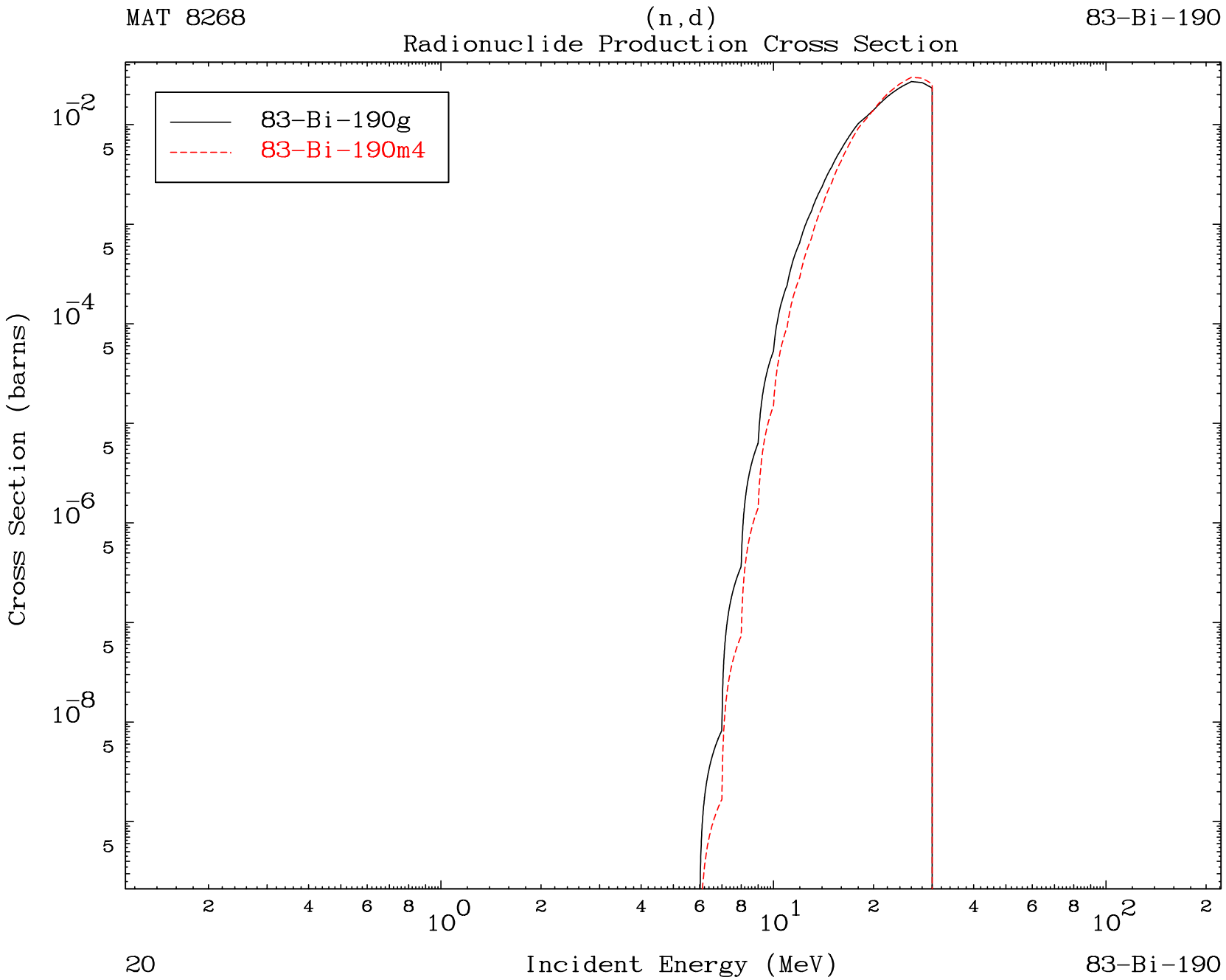

MAT 8268
(n,3n) α
83-Bi-190
Radionuclide Production Cross Section
82-Pb-185g
82-Pb-185m1
Cross Section (barns)
Incident Energy (MeV)
15
83-Bi-190

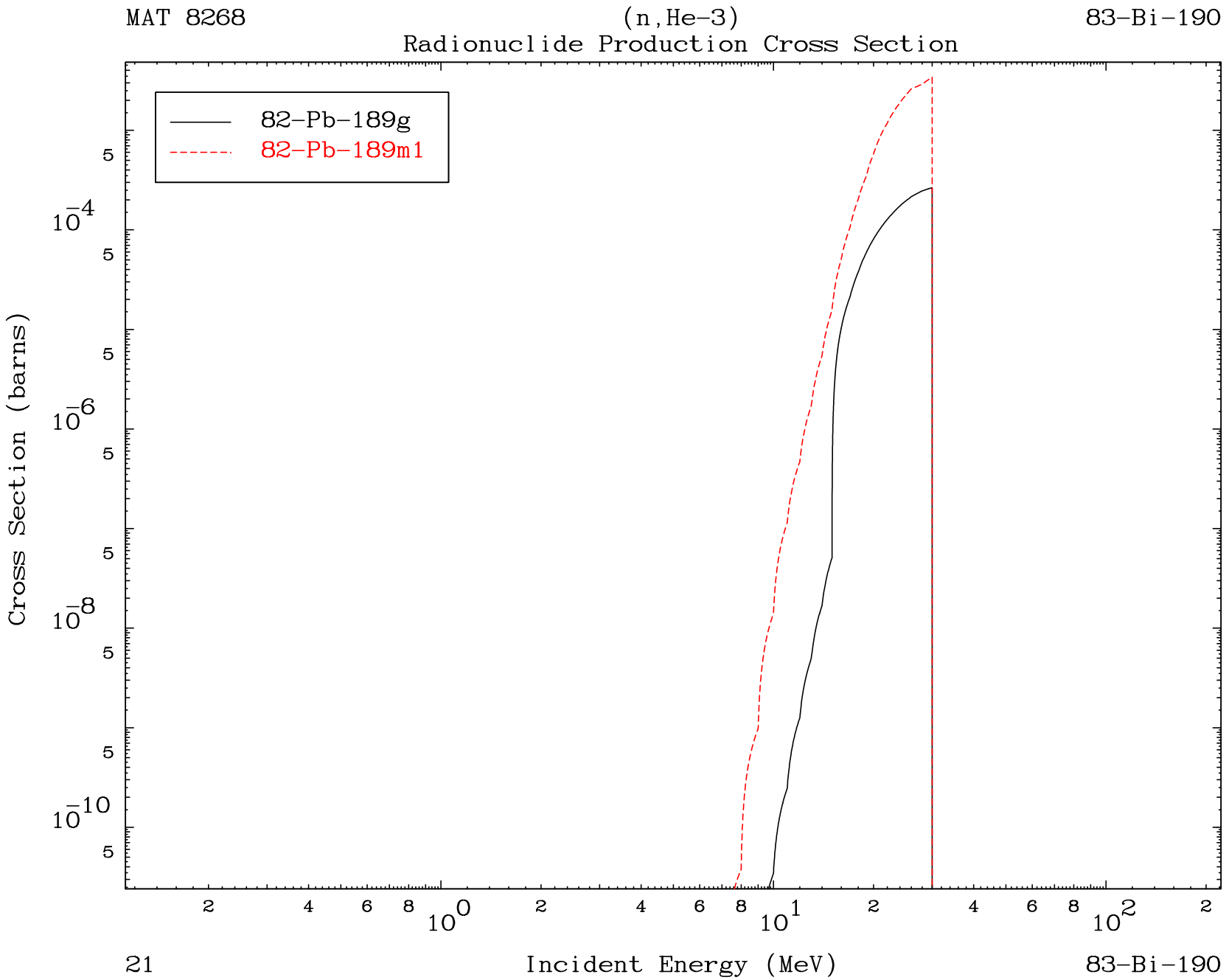

MAT 8268
(n,n') p
83-Bi-190
Radionuclide Production Cross Section
83-Bi-190g
83-Bi-190m4
Cross Section (barns)
Incident Energy (MeV)
16
83-Bi-190

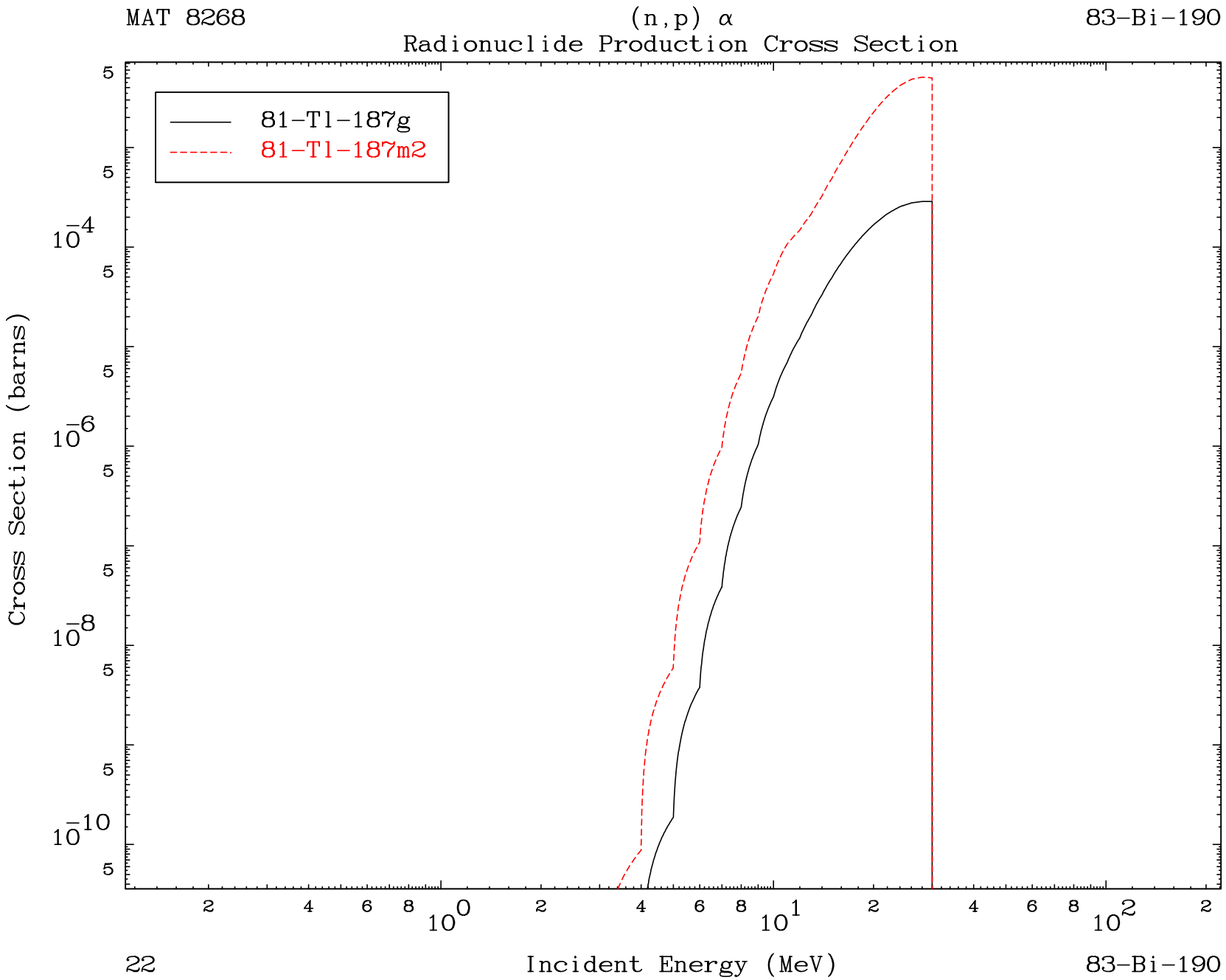

MAT 8268
(n,2n) p
83-Bi-190
Radionuclide Production Cross Section
82-Pb-189g
82-Pb-189m1
Cross Section (barns)
Incident Energy (MeV)
17
83-Bi-190

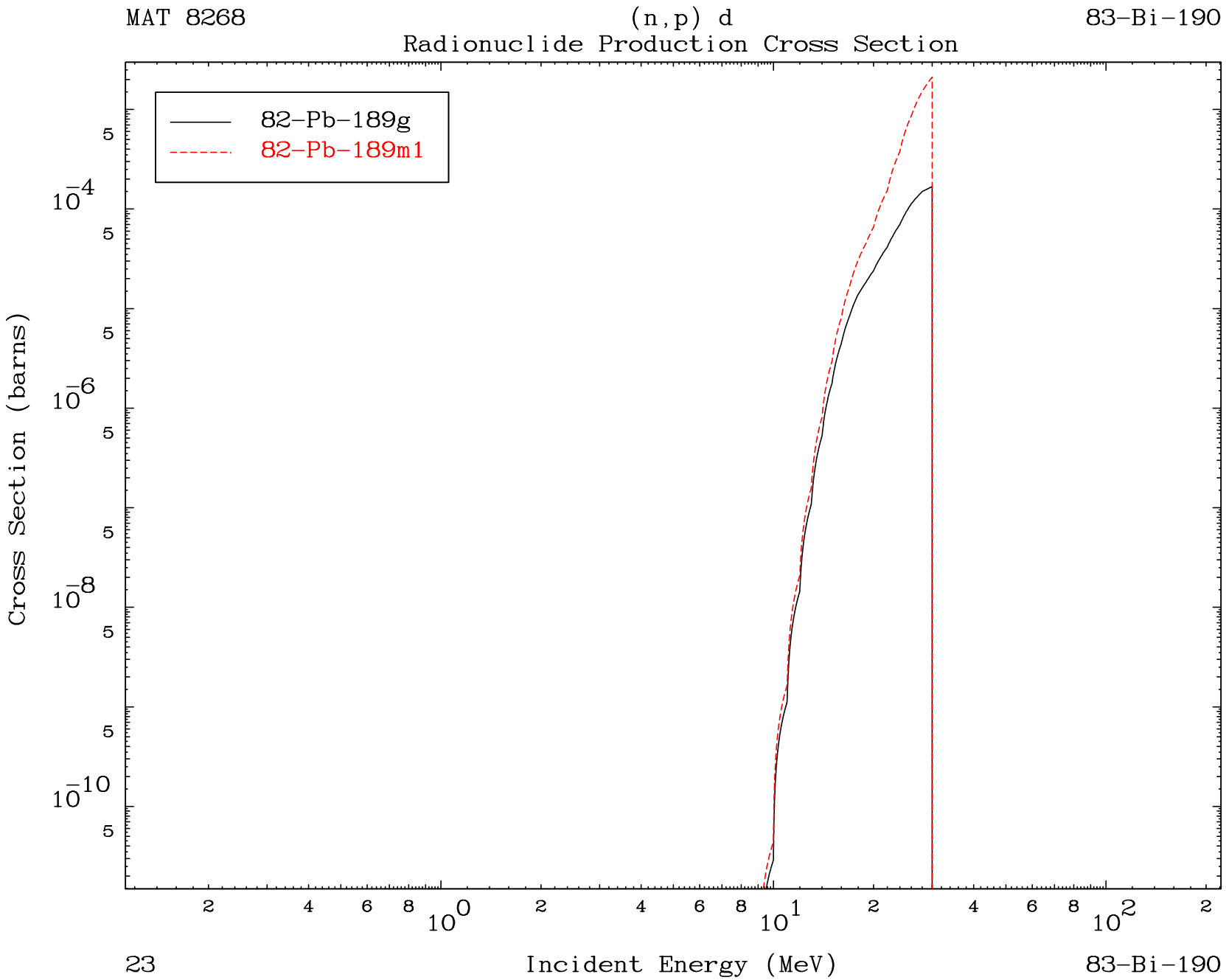

MAT 8268
(n,n') p α
83-Bi-190
Radionuclide Production Cross Section
81-Tl-186g
81-Tl-186m1
81-Tl-186m2
Cross Section (barns)
Incident Energy (MeV)
18
83-Bi-190

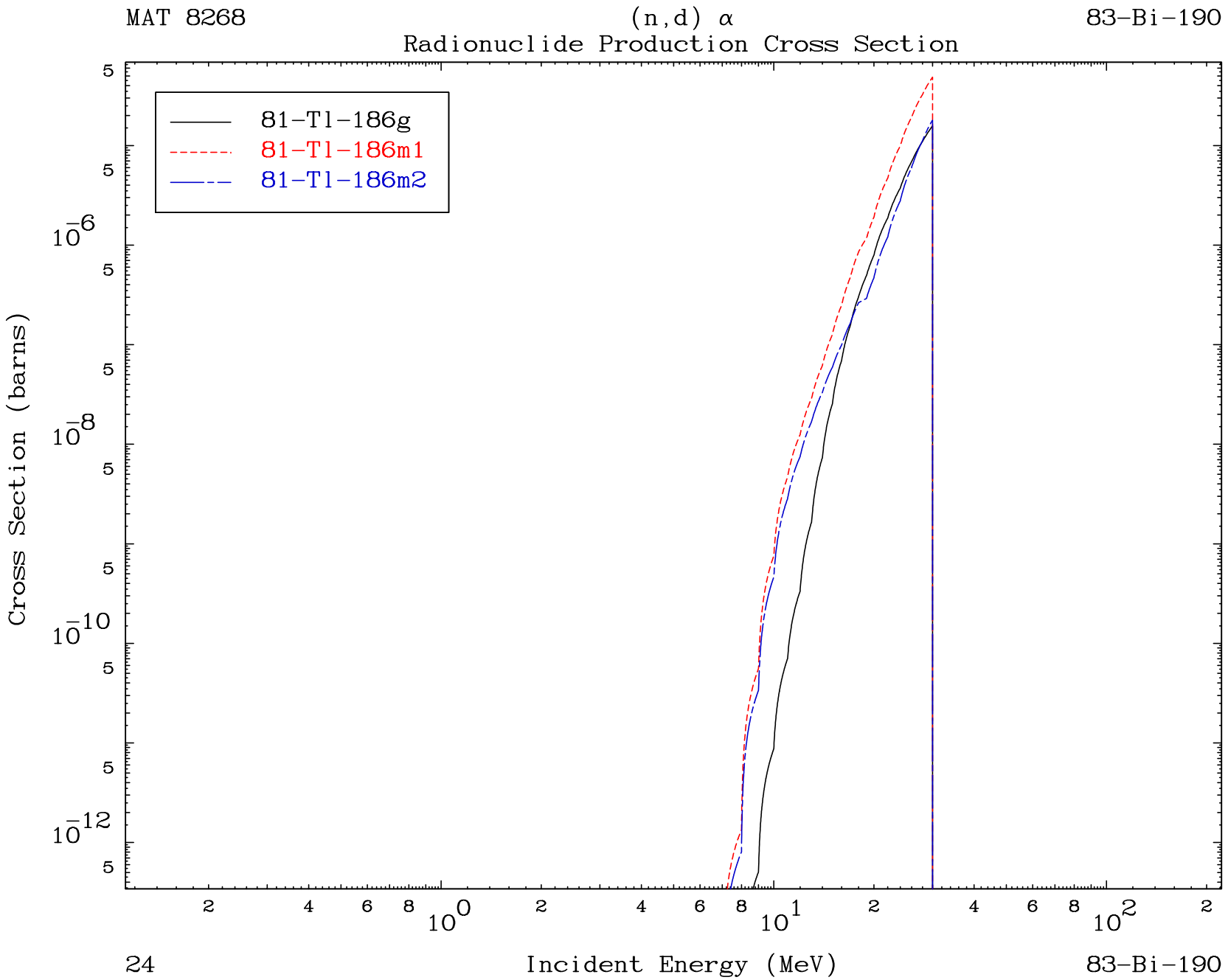

MAT 8268
(n,p)
83-Bi-190
Radionuclide Production Cross Section
83-Bi-191g
83-Bi-191m2
Cross Section (barns)
Incident Energy (MeV)
19
83-Bi-190


MAT 8268
(n,d)
83-Bi-190
Radionuclide Production Cross Section
83-Bi-190g
83-Bi-190m4
Cross Section (barns)
Incident Energy (MeV)
20
83-Bi-190


MAT 8268
(n,He-3)
83-Bi-190
Radionuclide Production Cross Section
82-Pb-189g
82-Pb-189m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
4
6
8
100
101
102
21
Incident Energy (MeV)
83-Bi-190


MAT 8268
(n,p) α
83-Bi-190
Radionuclide Production Cross Section
81-Tl-187g
81-Tl-187m2
Cross Section (barns)
Incident Energy (MeV)
22
83-Bi-190


MAT 8268
(n,p) d
83-Bi-190
Radionuclide Production Cross Section
82-Pb-189g
82-Pb-189m1
Cross Section (barns)
Incident Energy (MeV)
23
83-Bi-190


MAT 8268
(n,d) α
83-Bi-190
Radionuclide Production Cross Section
81-Tl-186g
81-Tl-186m1
81-Tl-186m2
Cross Section (barns)
Incident Energy (MeV)
24
83-Bi-190