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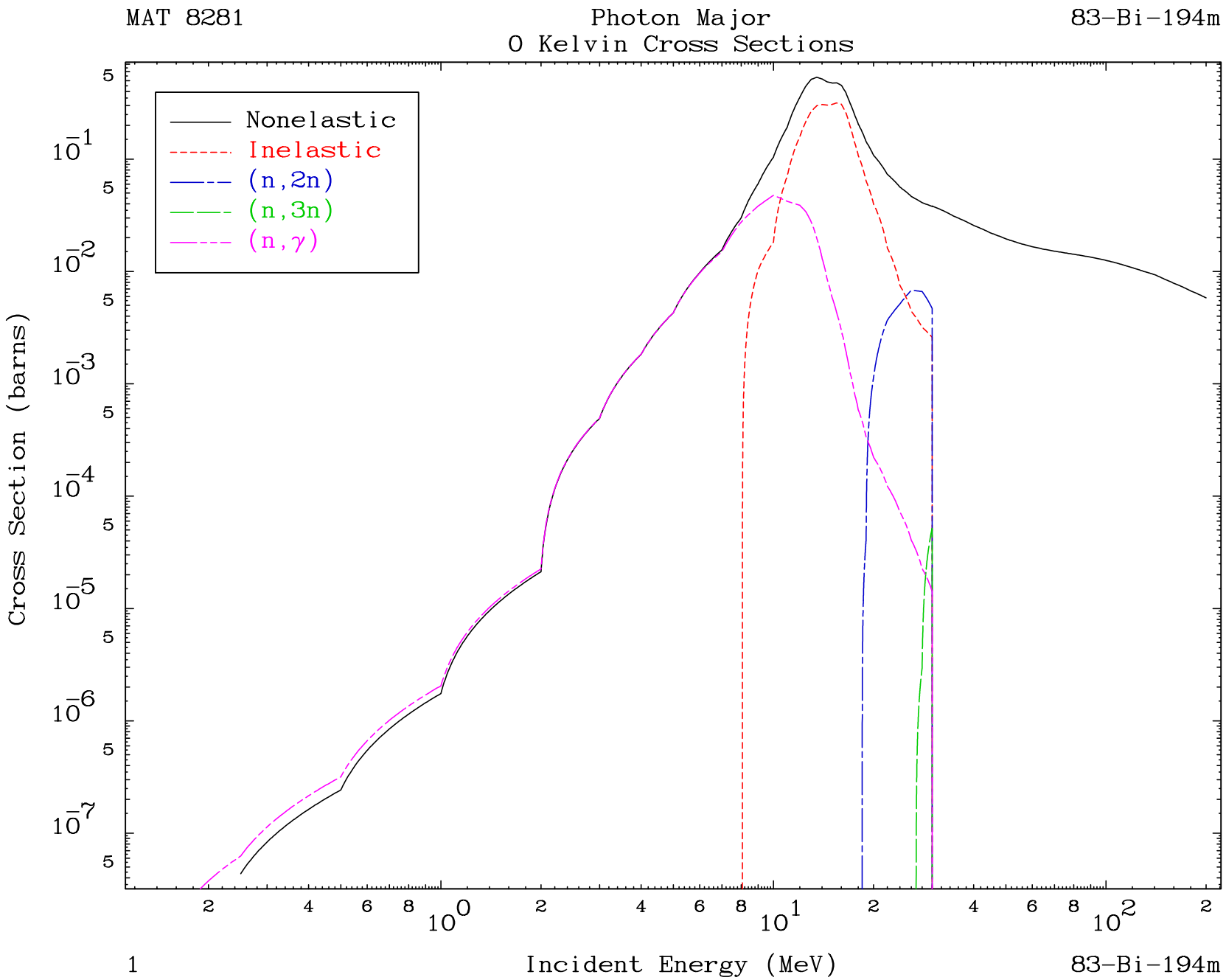
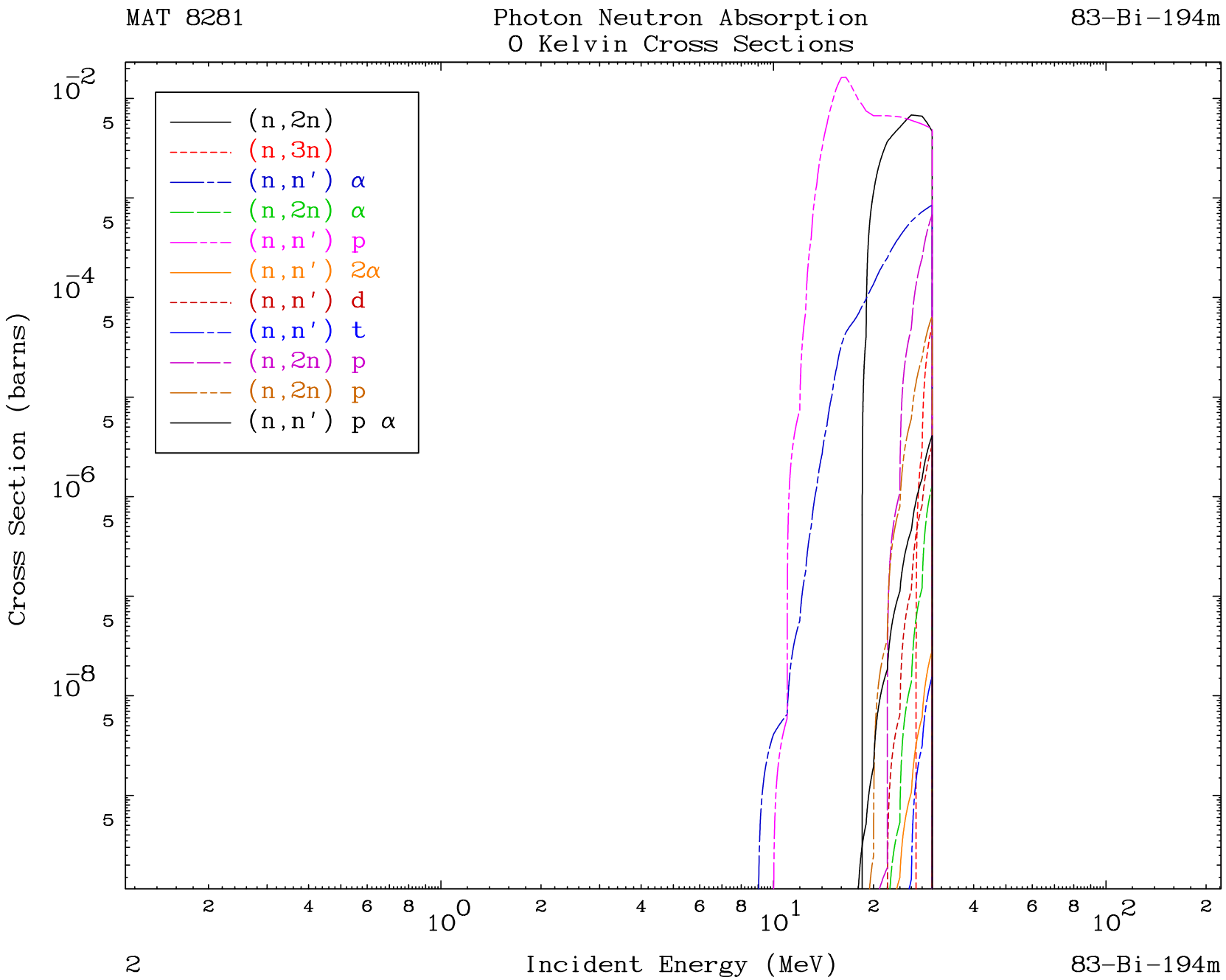
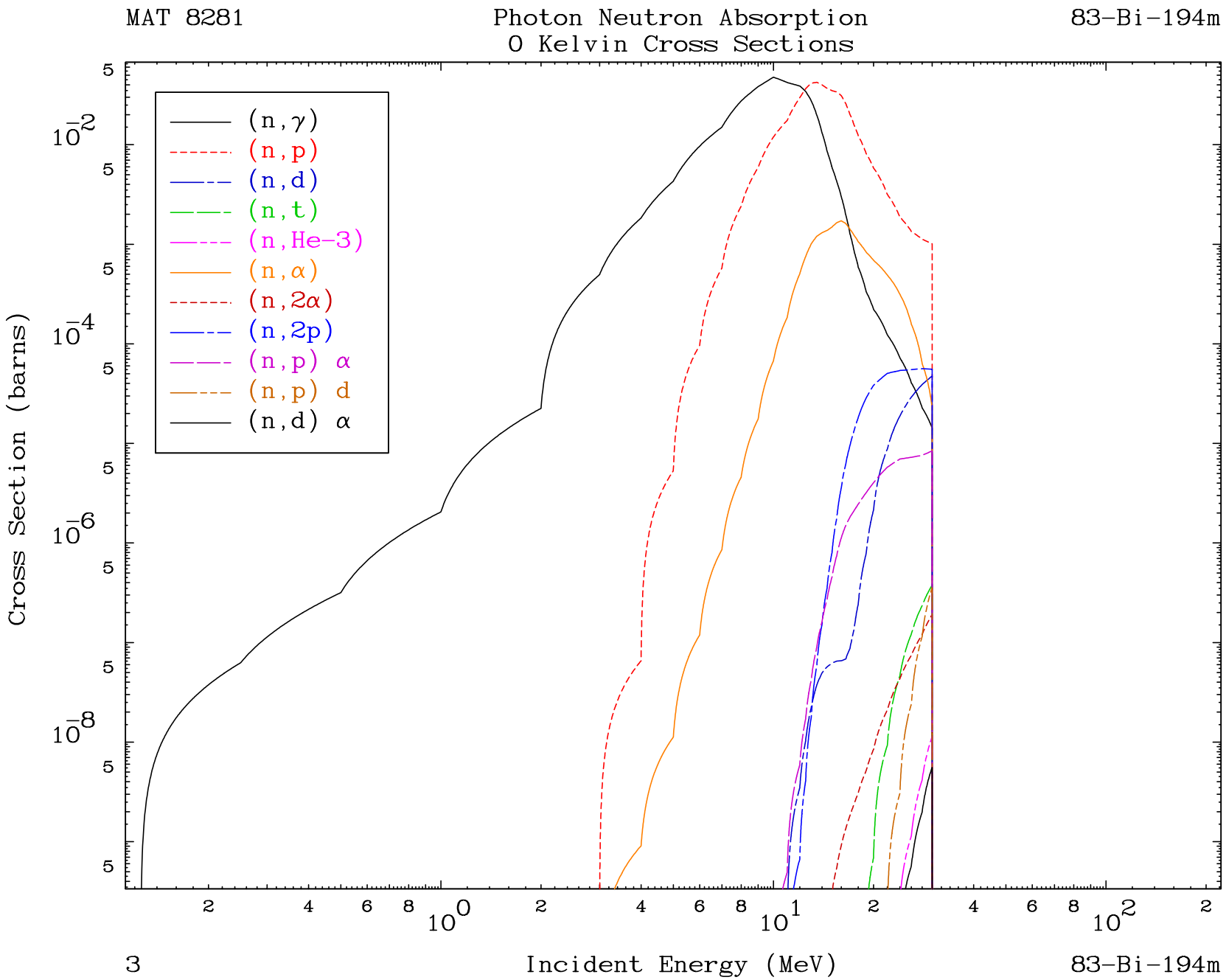
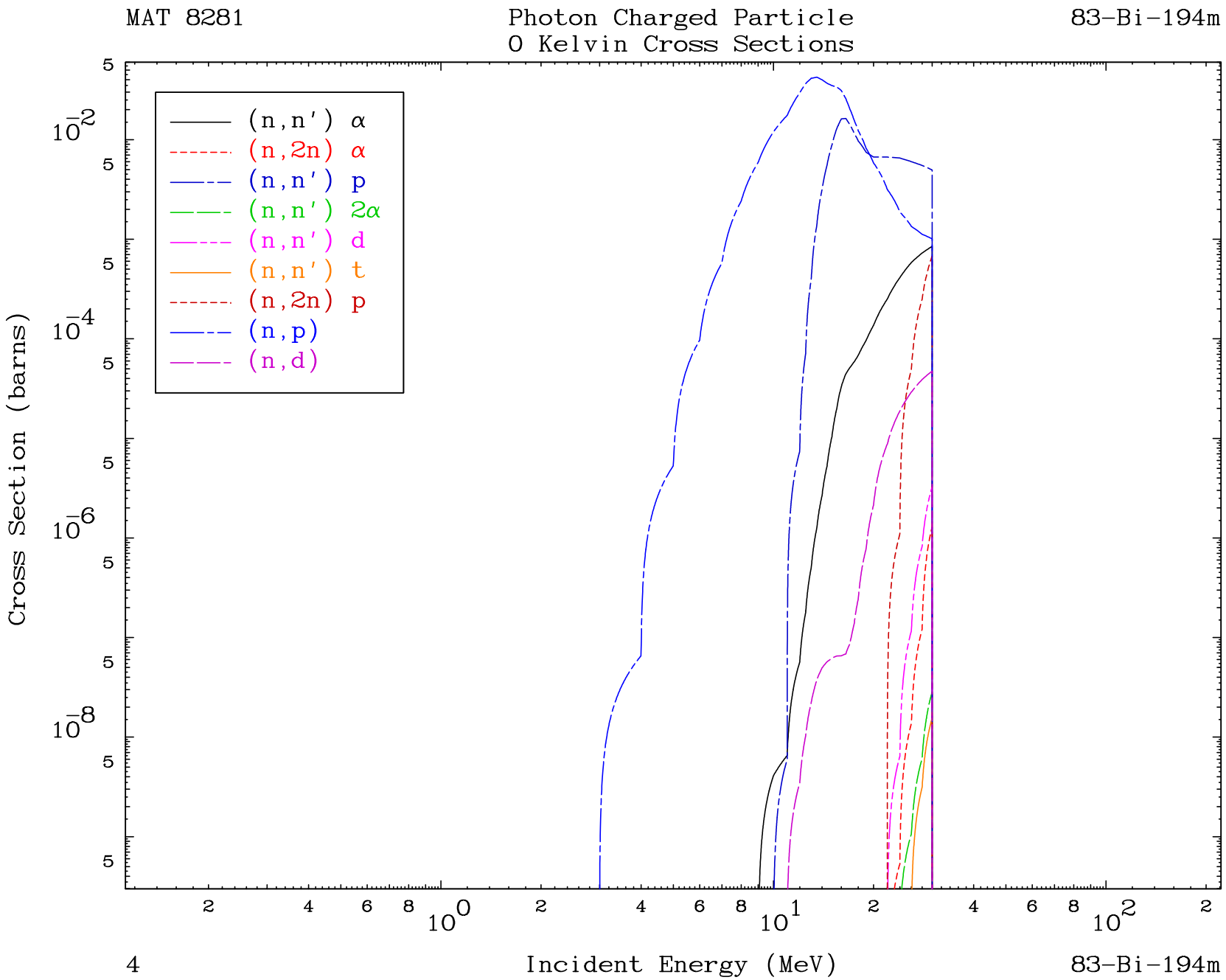
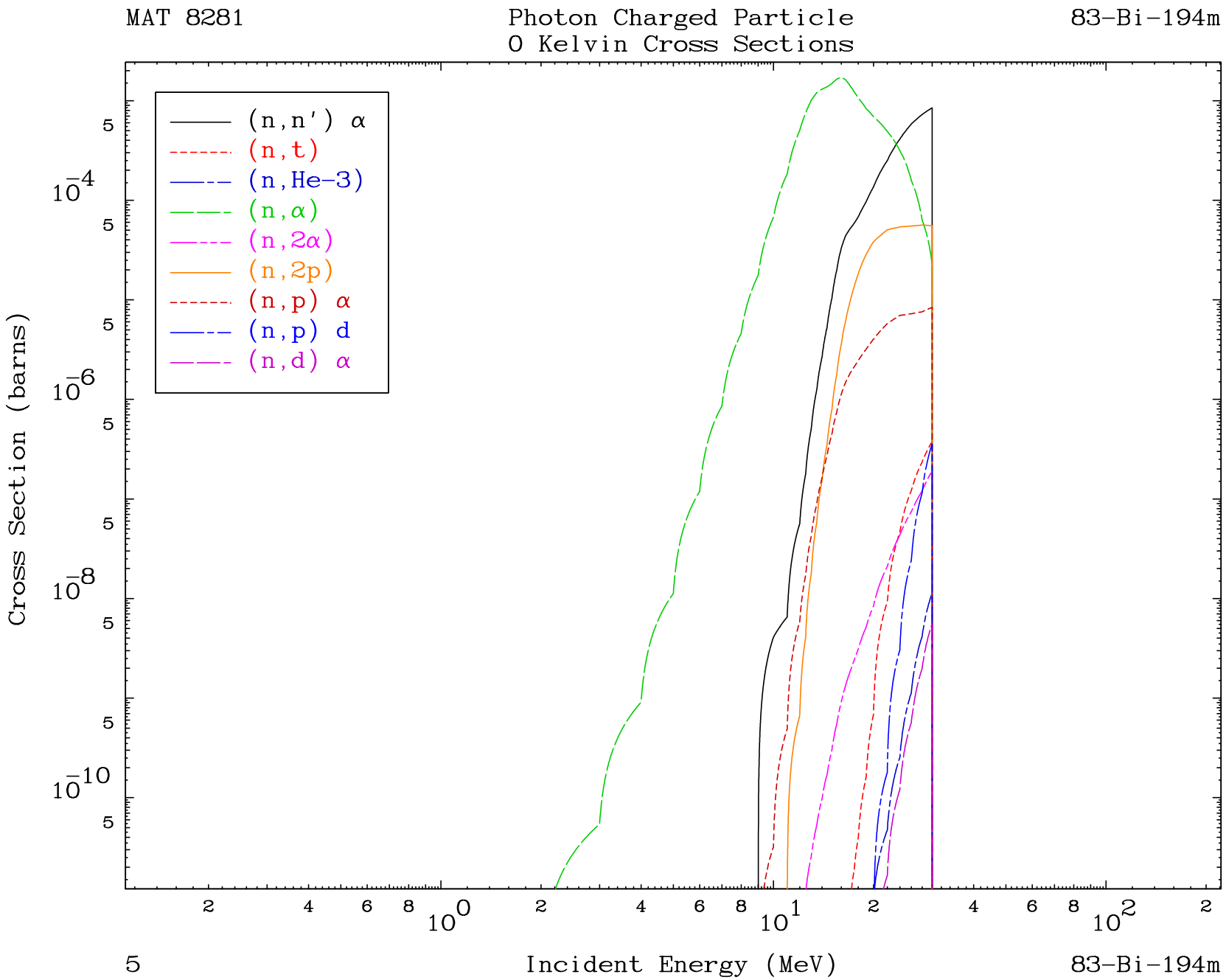
Press Mouse Button to Start

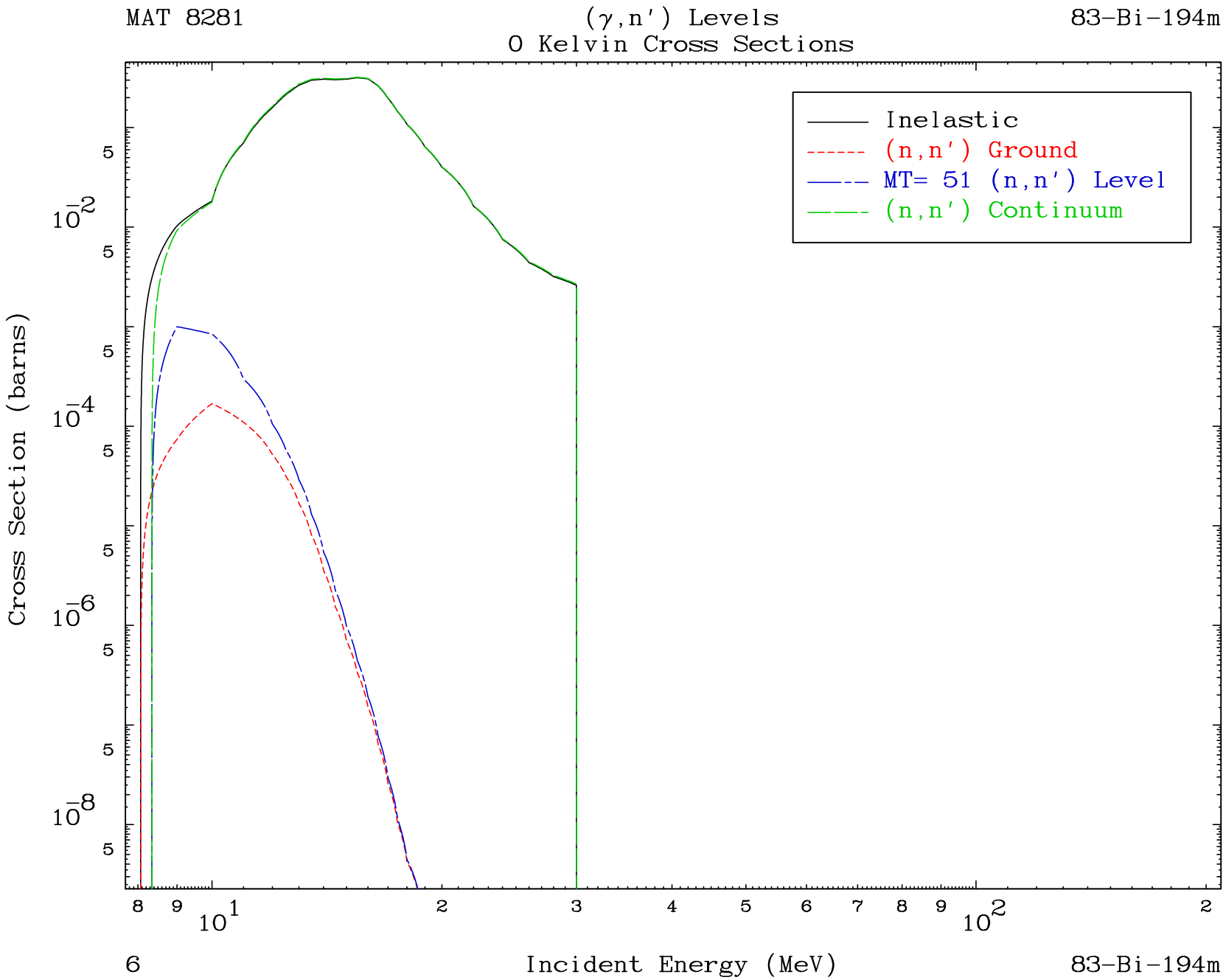

MAT 8281
Photon Major
83-Bi-194m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
83-Bi-194m

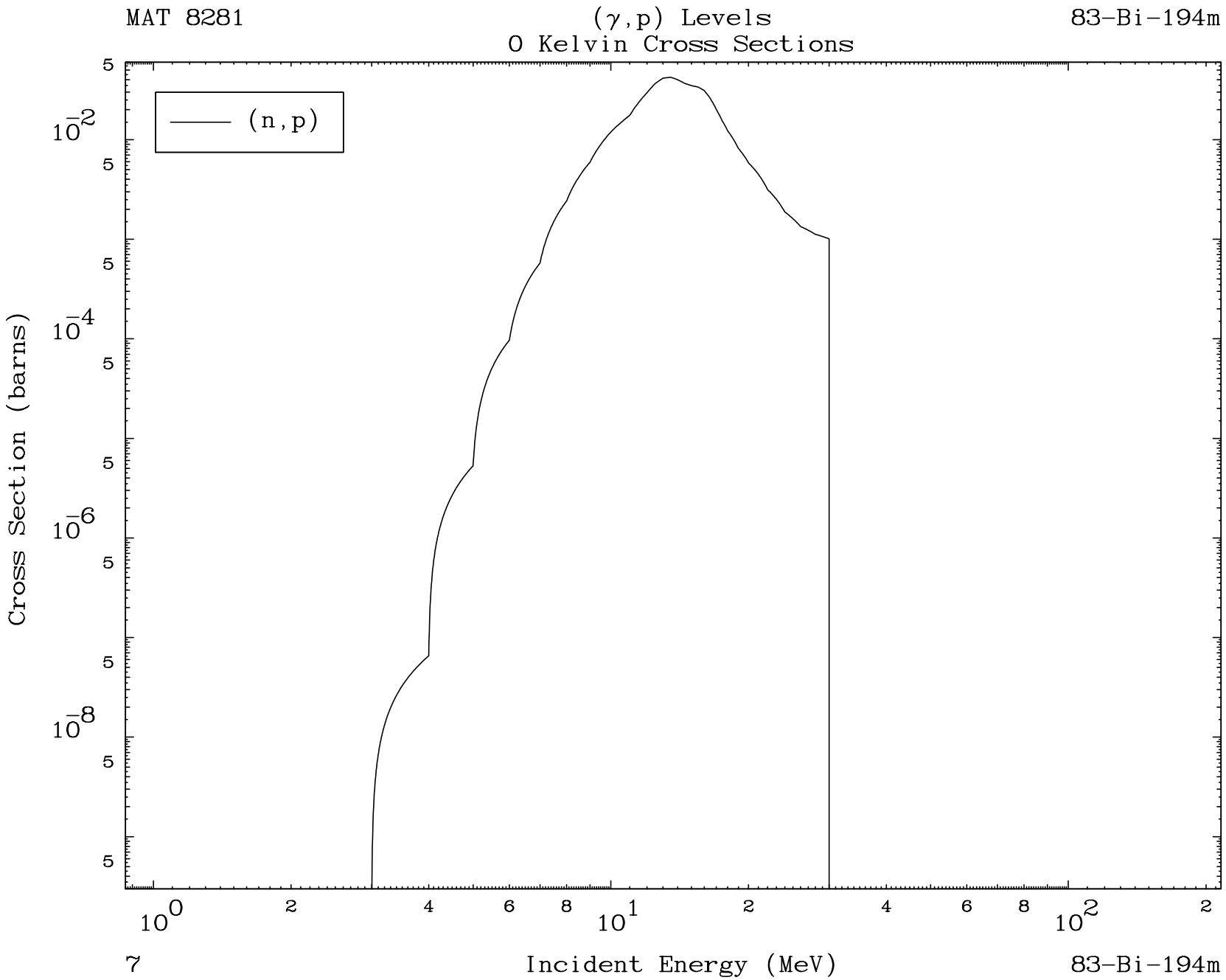

MAT 8281
Photon Neutron Absorption
0 Kelvin Cross Sections
83-Bi-194m
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
(n,2n) p
(n,n') p α
Cross Section (barns)
Incident Energy (MeV)
83-Bi-194m

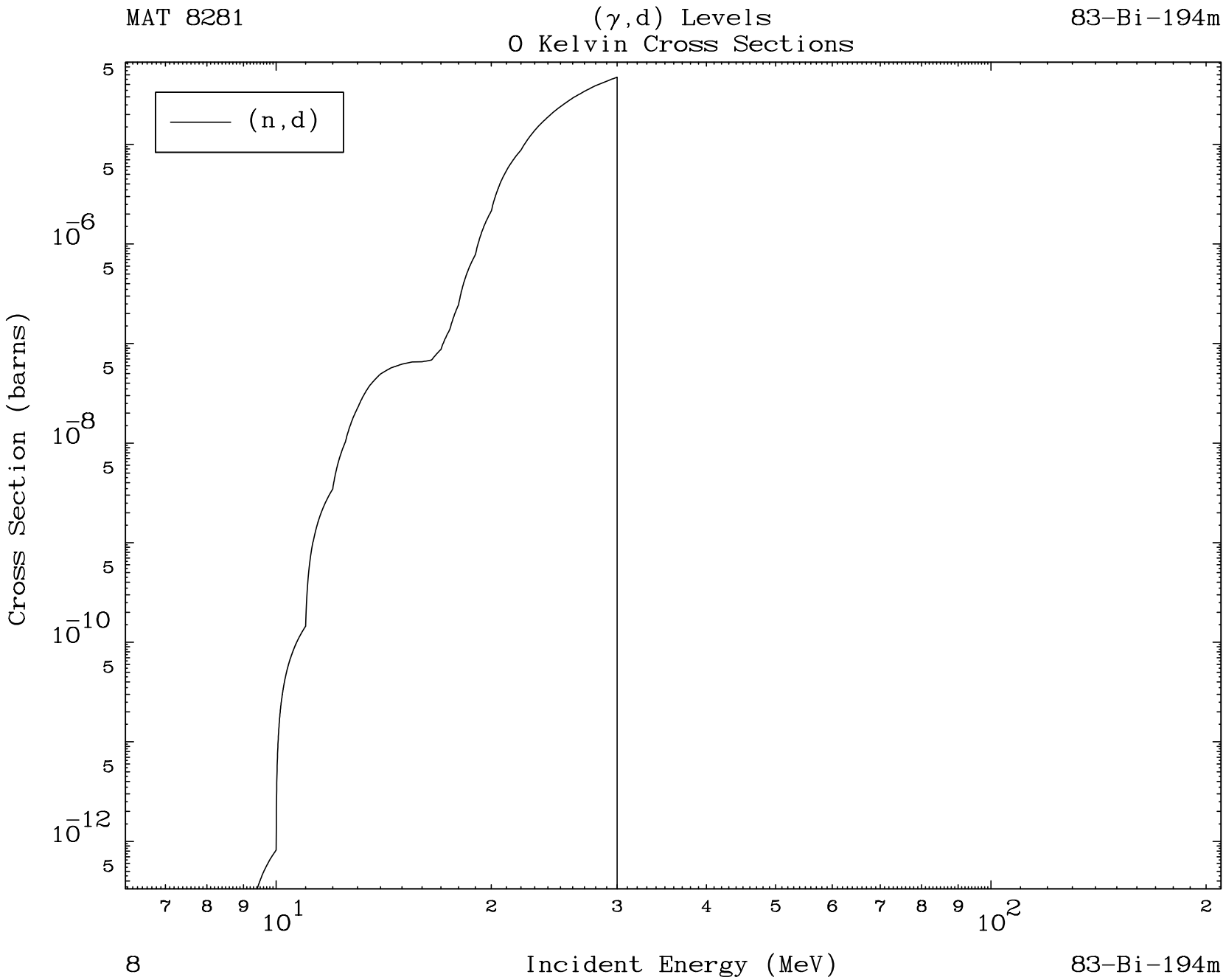

MAT 8281
Photon Neutron Absorption
0 Kelvin Cross Sections
83-Bi-194m
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
83-Bi-194m

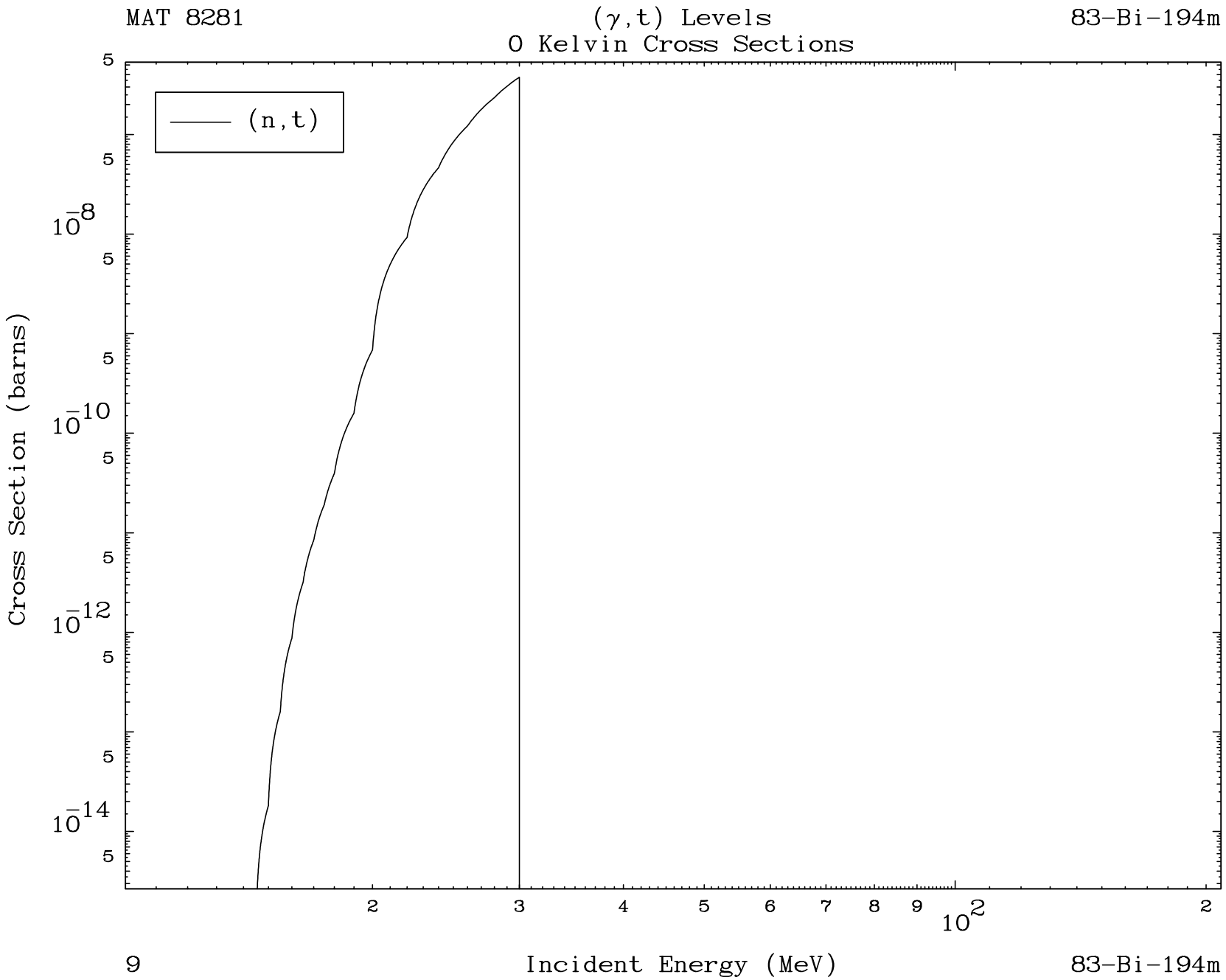

MAT 8281
Photon Charged Particle
0 Kelvin Cross Sections
83-Bi-194m
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
4
83-Bi-194m

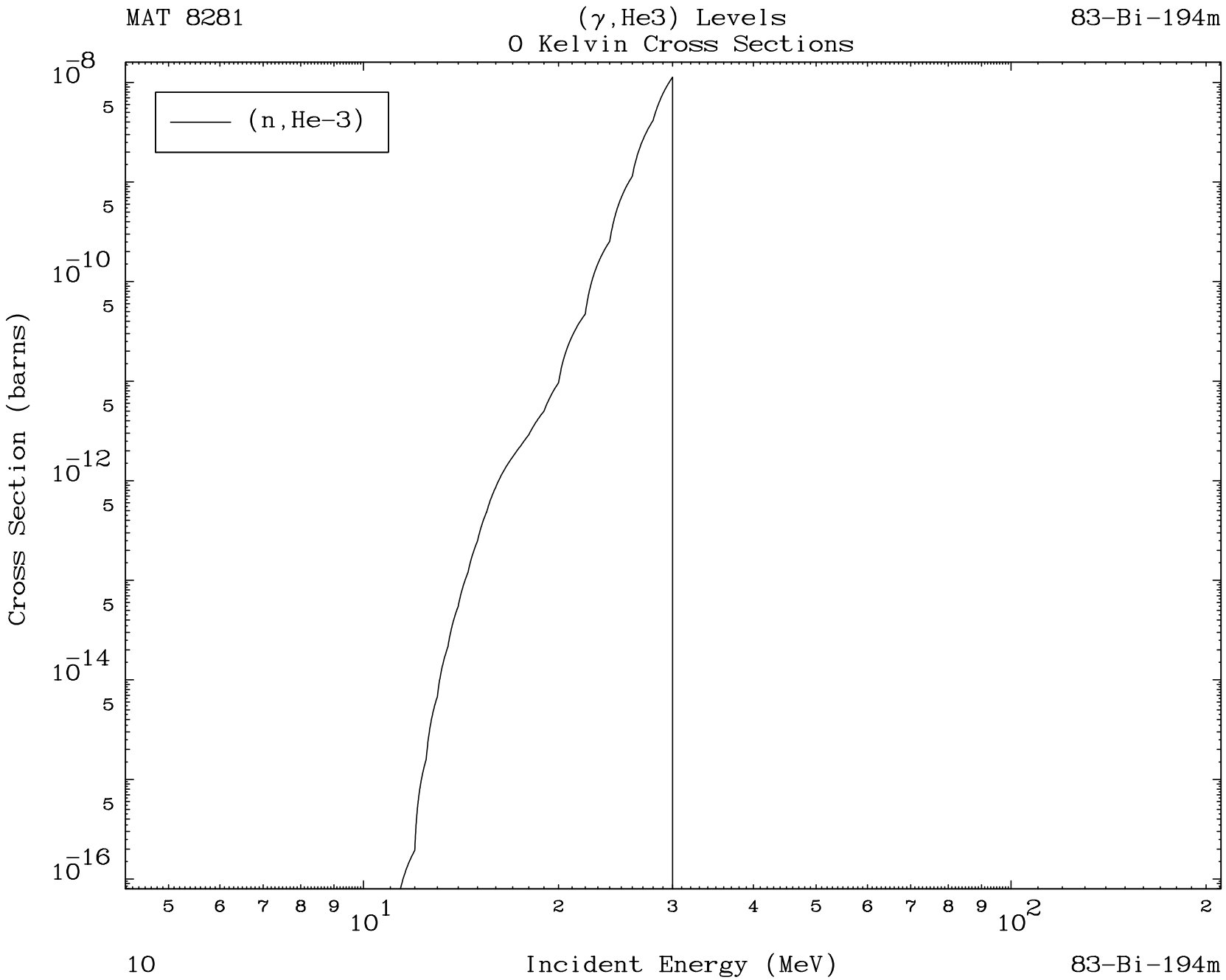

MAT 8281
Photon Charged Particle
0 Kelvin Cross Sections
83-Bi-194m
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
100
101
102
5
83-Bi-194m

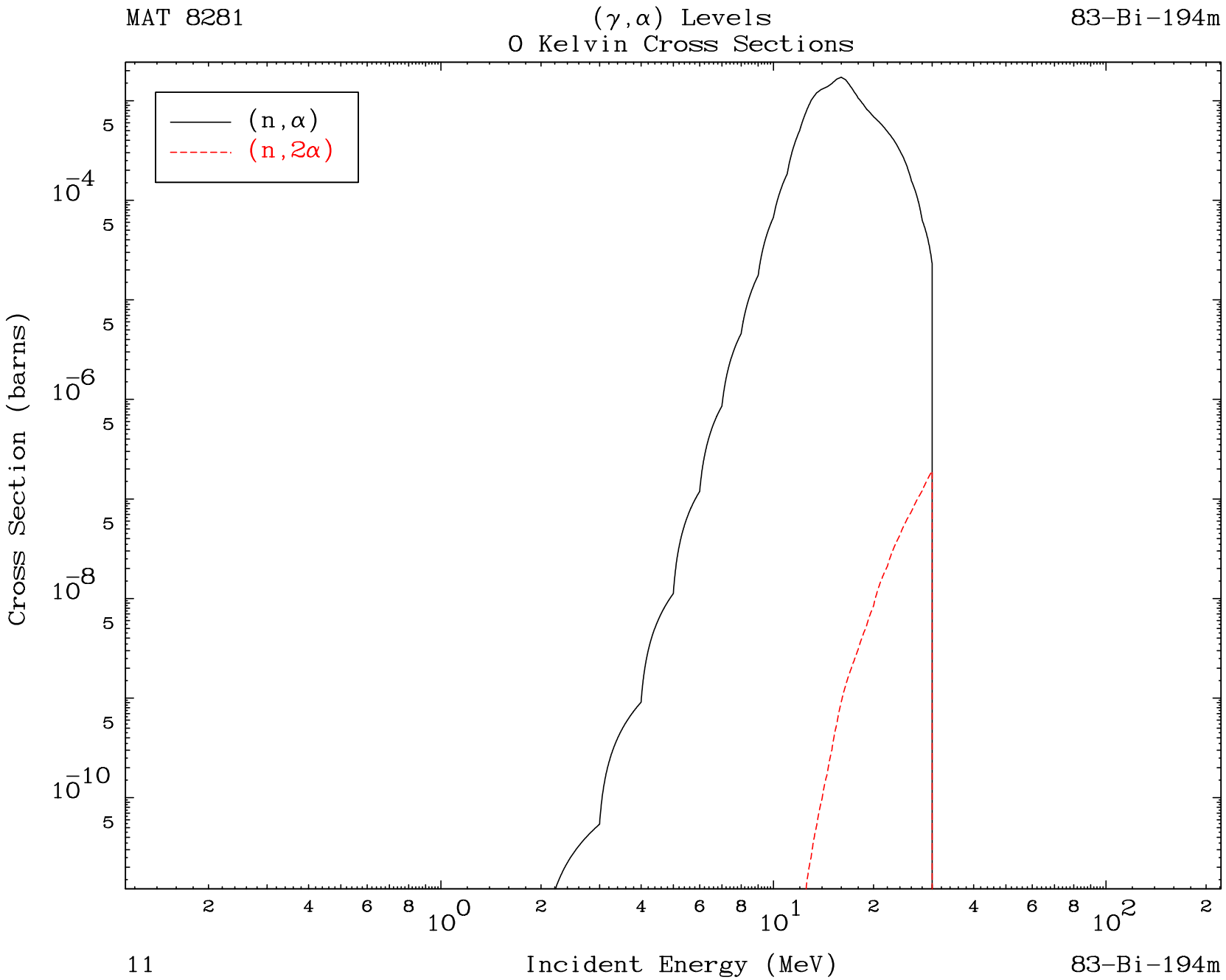

MAT 8281
(γ,n') Levels
0 Kelvin Cross Sections
83-Bi-194m
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
8 9 10 1 2 3 4 5 6 7 8 9 10 2
Incident Energy (MeV)
6
83-Bi-194m

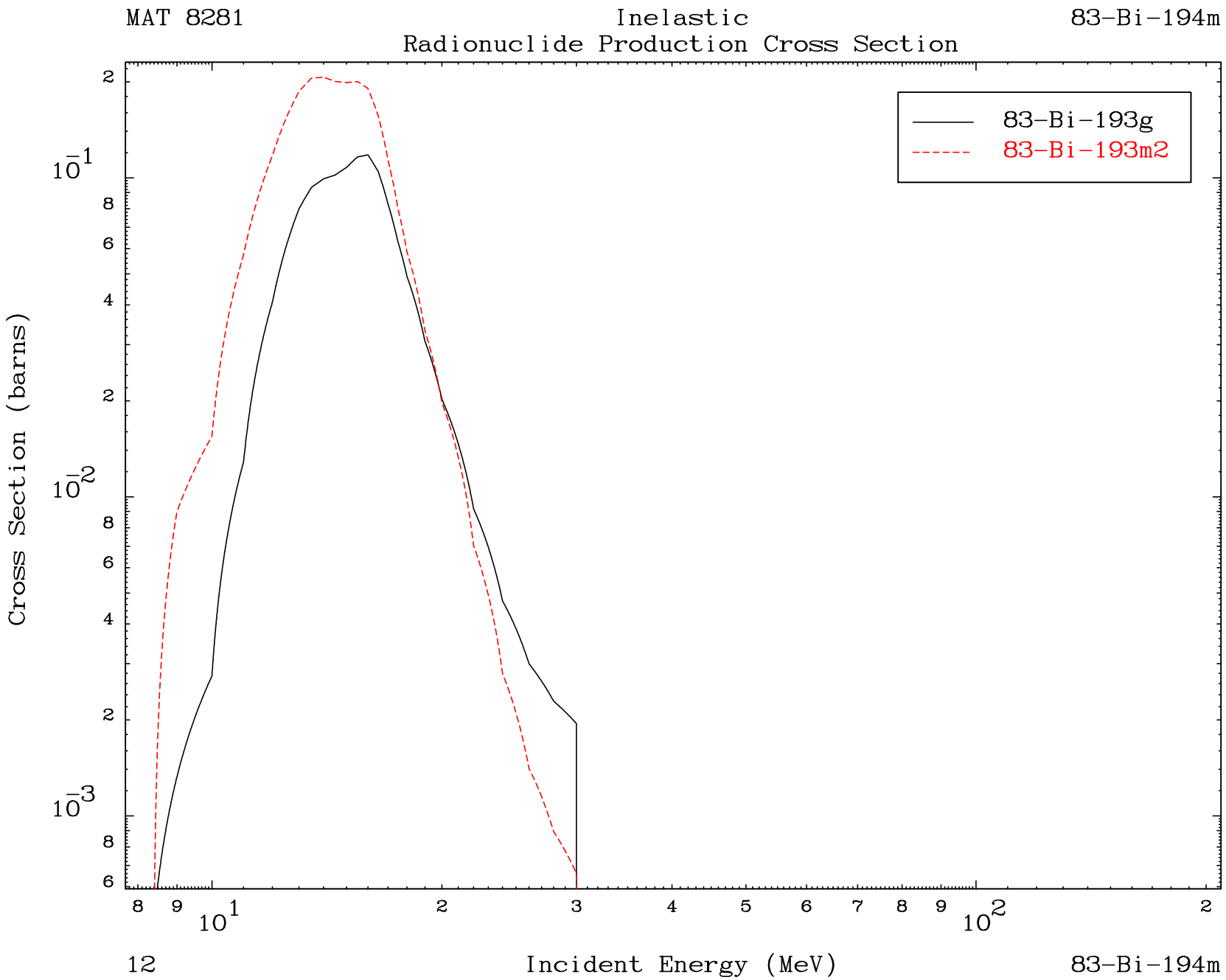

MAT 8281
(γ,p) Levels
83-Bi-194m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
7
83-Bi-194m

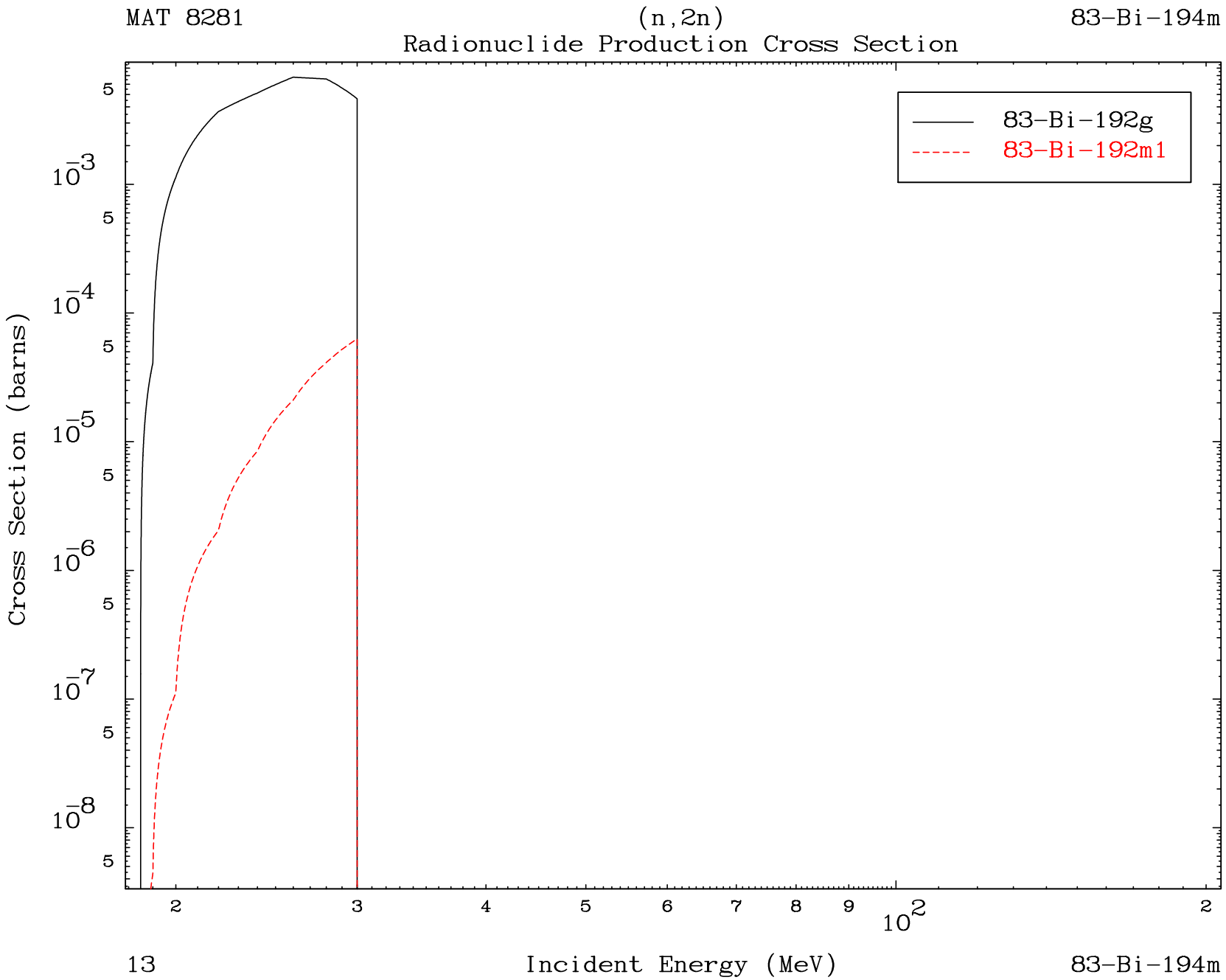

MAT 8281
(γ,d) Levels
83-Bi-194m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
8
83-Bi-194m

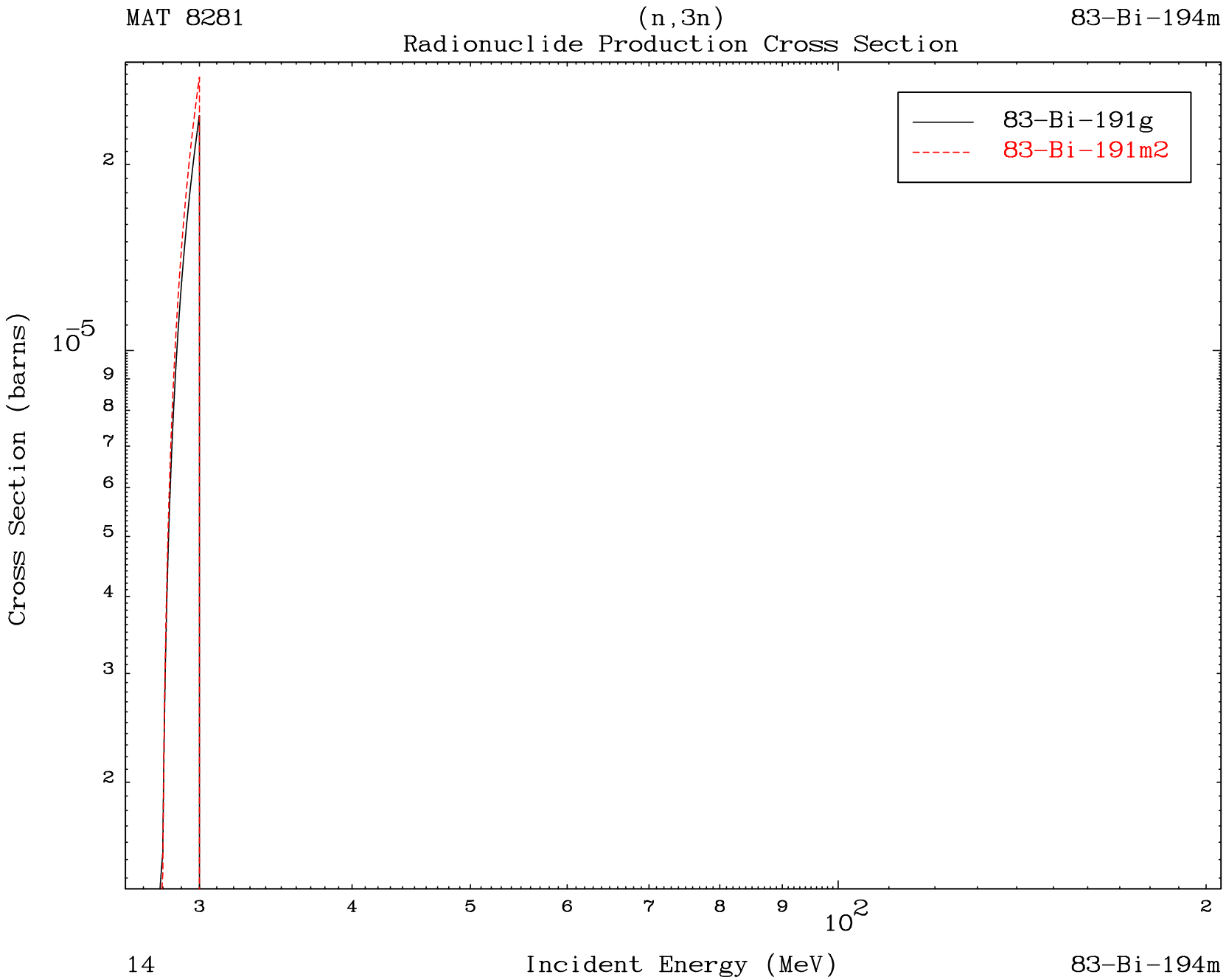

MAT 8281
(γ,t) Levels
83-Bi-194m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
83-Bi-194m

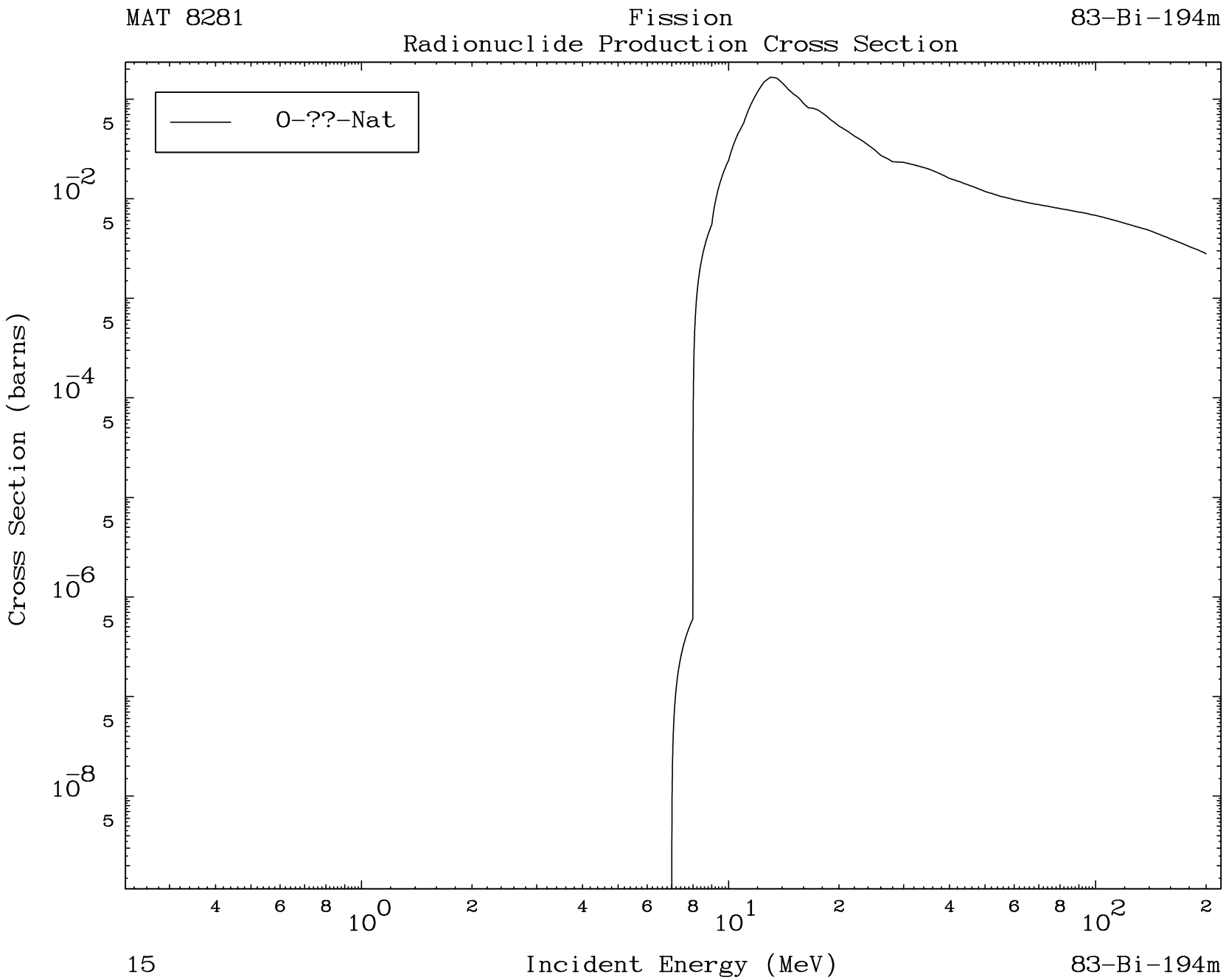

MAT 8281
(γ,He3) Levels
83-Bi-194m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
83-Bi-194m

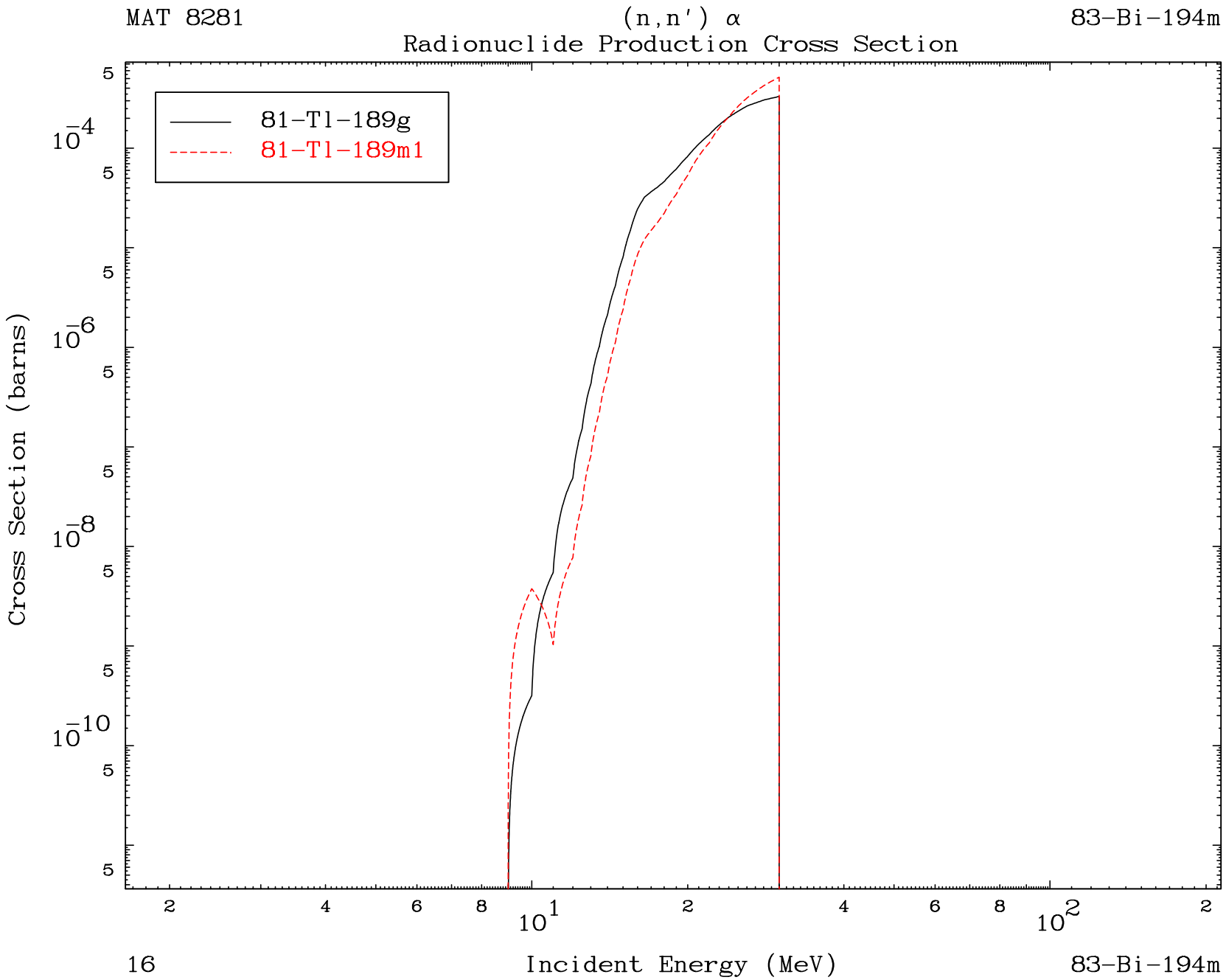

MAT 8281
(γ,α) Levels
83-Bi-194m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
83-Bi-194m

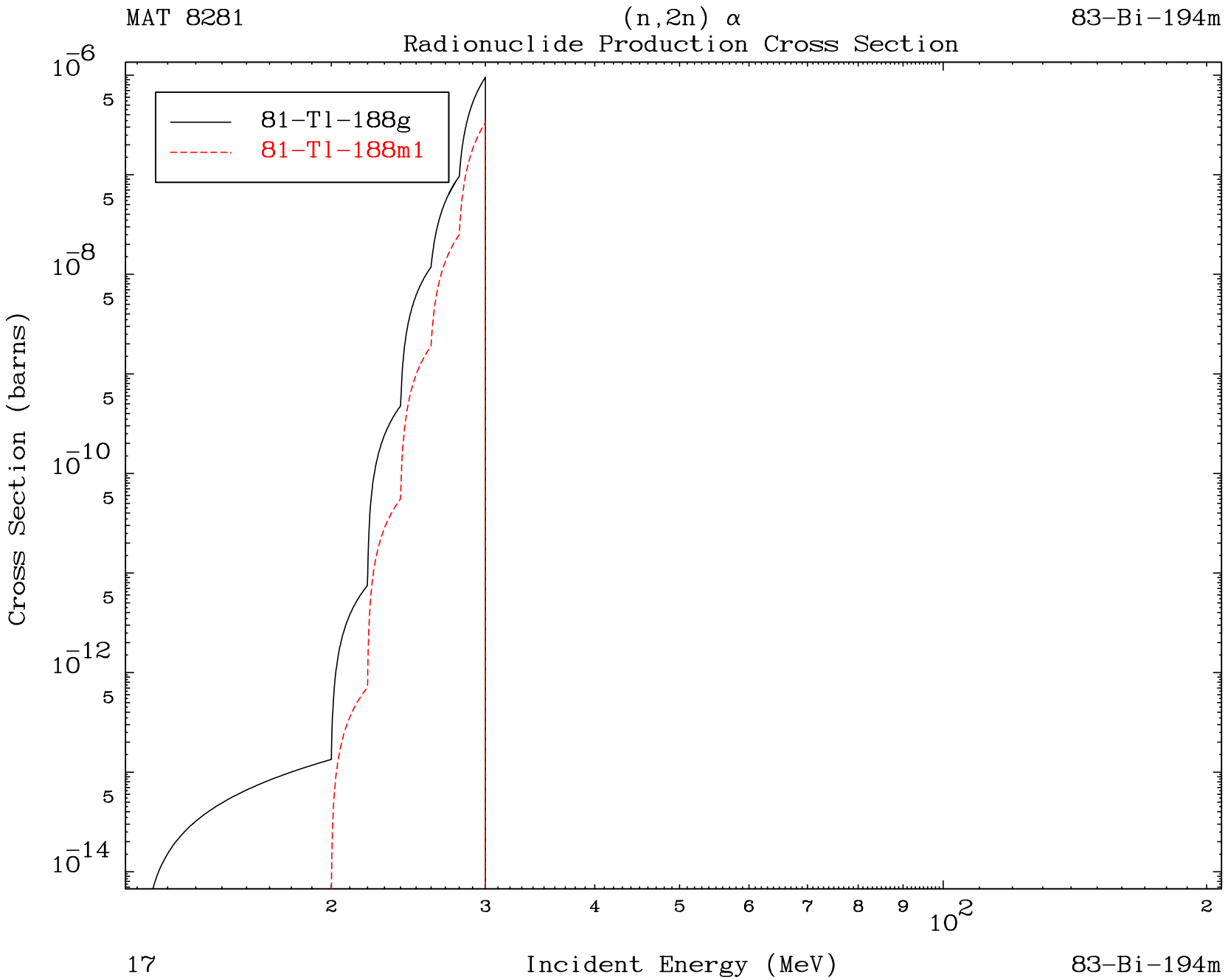

MAT 8281
Inelastic
83-Bi-194m
Radionuclide Production Cross Section
83-Bi-193g
83-Bi-193m2
Cross Section (barns)
Incident Energy (MeV)
12
83-Bi-194m

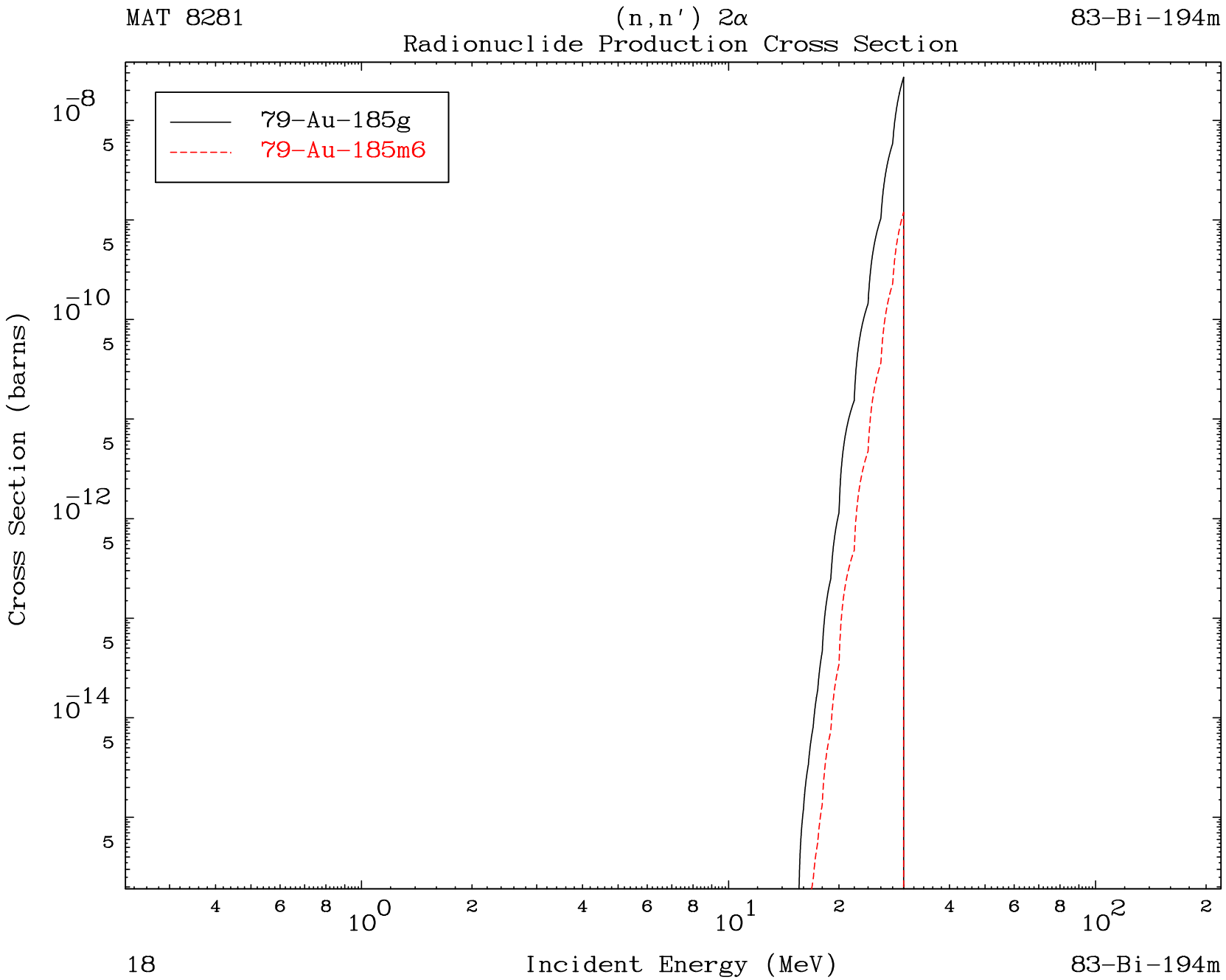

MAT 8281
(n,2n)
83-Bi-194m
Radionuclide Production Cross Section
83-Bi-192g
83-Bi-192m1
Cross Section (barns)
Incident Energy (MeV)
13
83-Bi-194m

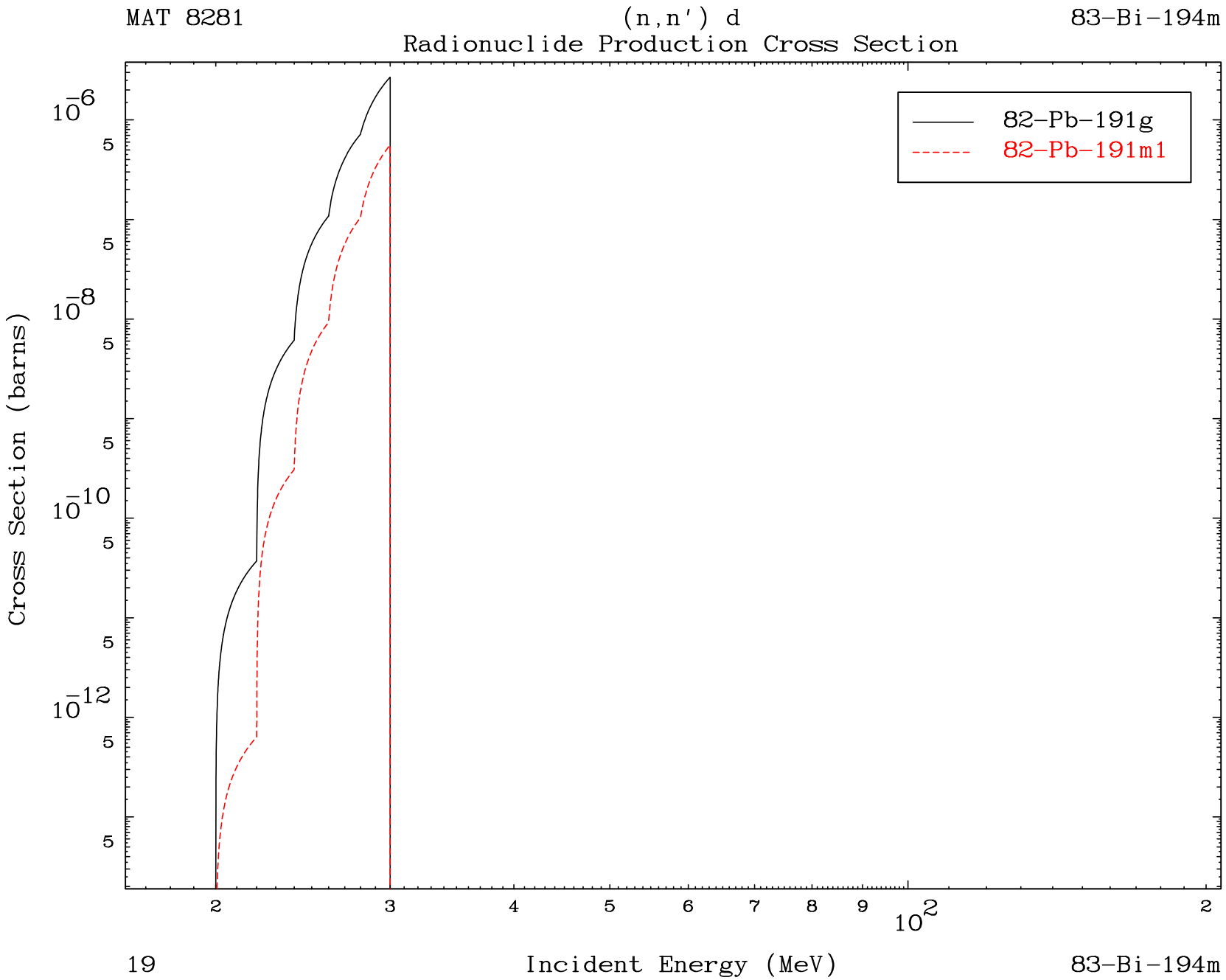

MAT 8281
(n,3n)
83-Bi-194m
Radionuclide Production Cross Section
83-Bi-191g
83-Bi-191m2
Cross Section (barns)
10^-5
2
9
8
7
6
5
4
3
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
83-Bi-194m

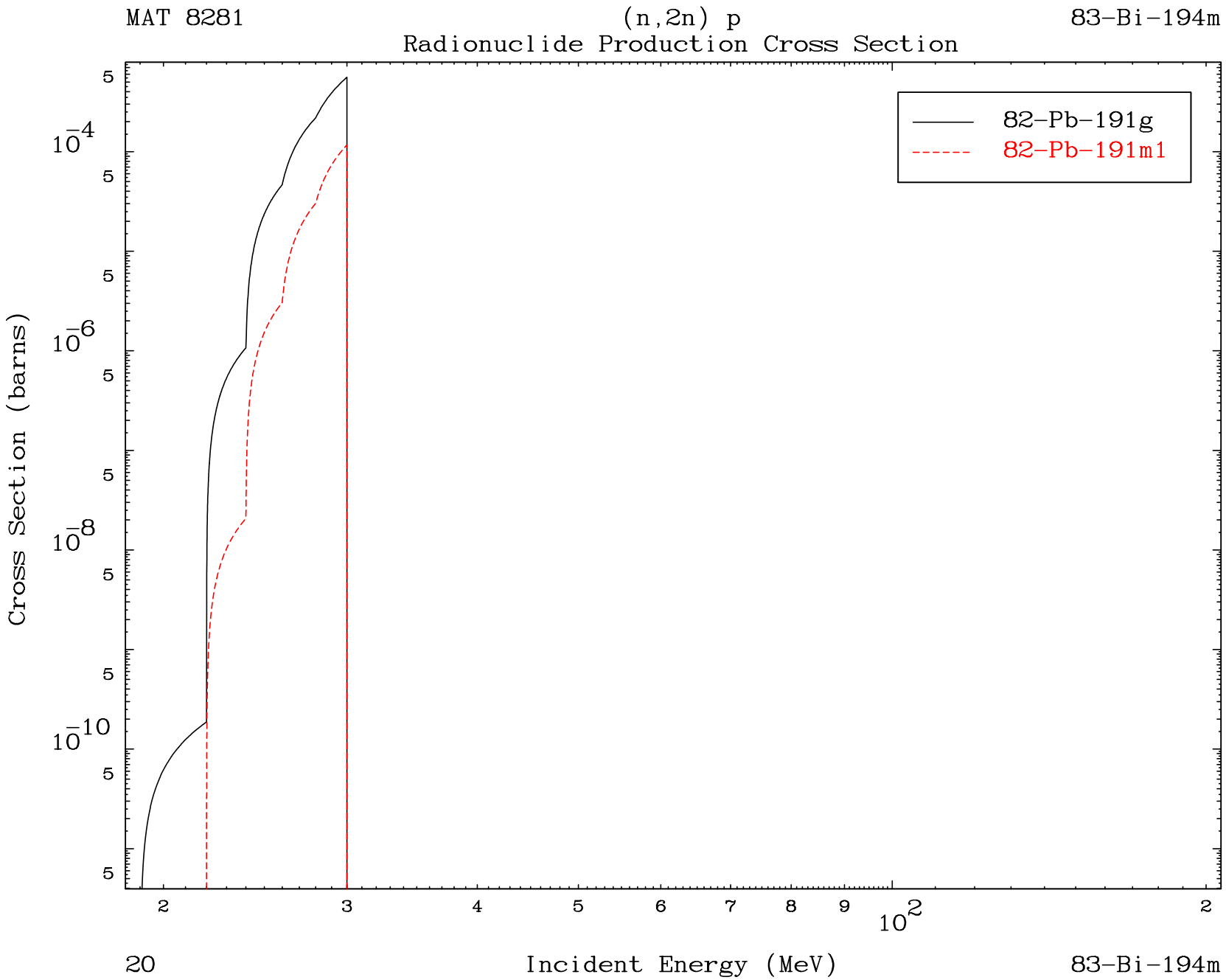

MAT 8281
Fission
83-Bi-194m
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
15
83-Bi-194m

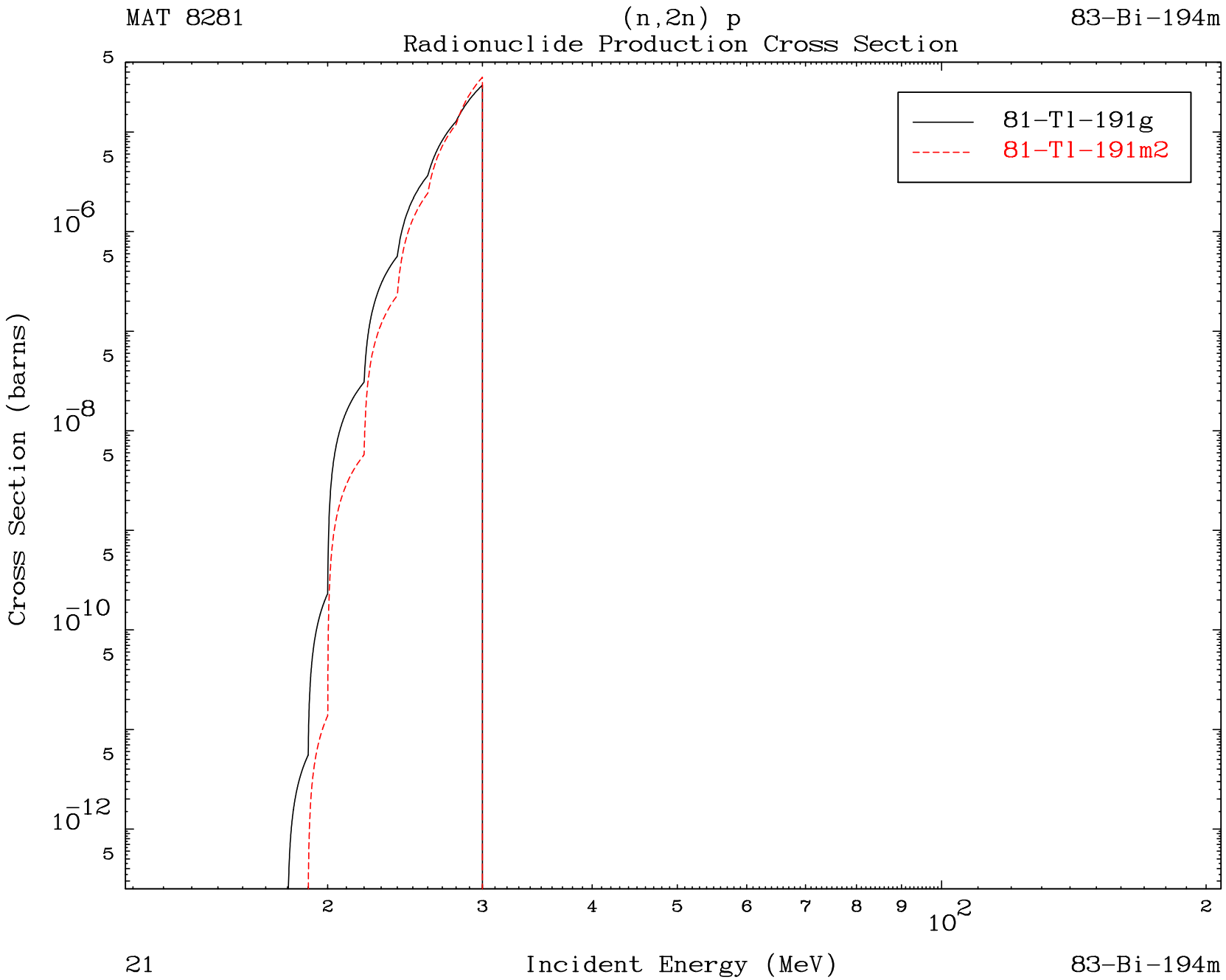

MAT 8281
(n,n') α
83-Bi-194m
Radionuclide Production Cross Section
81-Tl-189g
81-Tl-189m1
Cross Section (barns)
Incident Energy (MeV)
16
83-Bi-194m

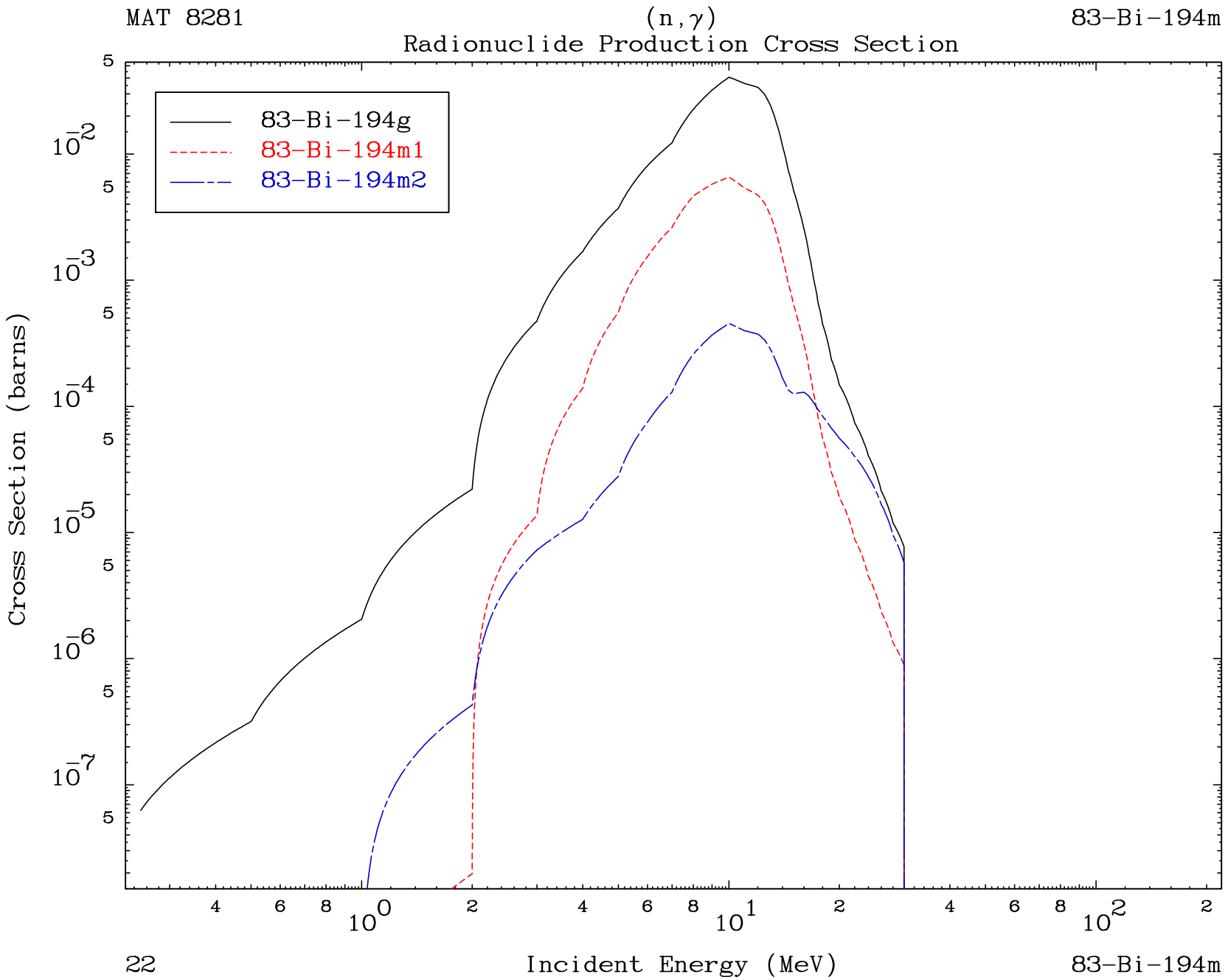

MAT 8281
(n,2n) α
83-Bi-194m
Radionuclide Production Cross Section
81-Tl-188g
81-Tl-188m1
Cross Section (barns)
Incident Energy (MeV)
17
83-Bi-194m

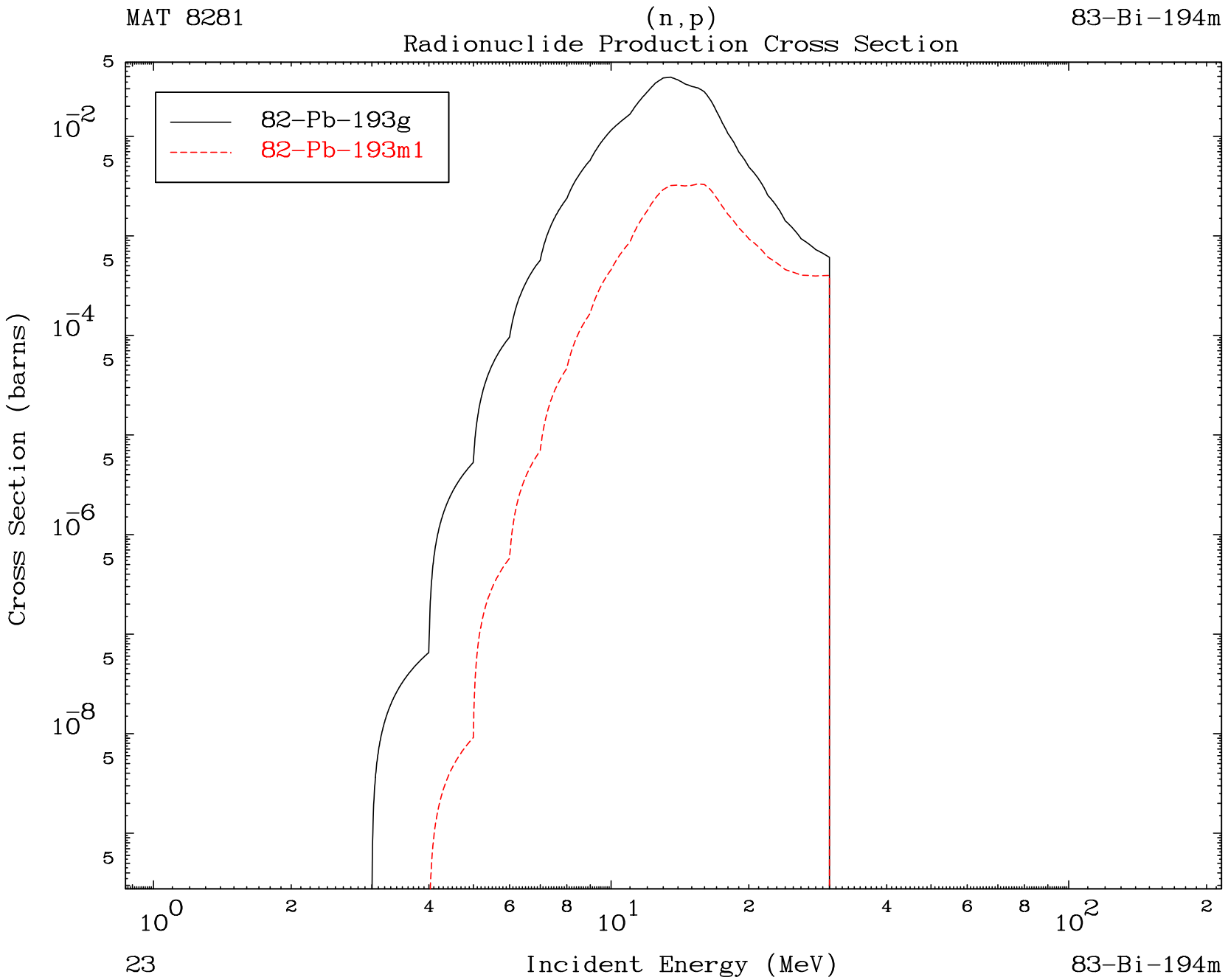

MAT 8281
(n,n') 2α
83-Bi-194m
Radionuclide Production Cross Section
79-Au-185g
79-Au-185m6
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^0
10^1
10^2
2
4
6
8
18
Incident Energy (MeV)
83-Bi-194m

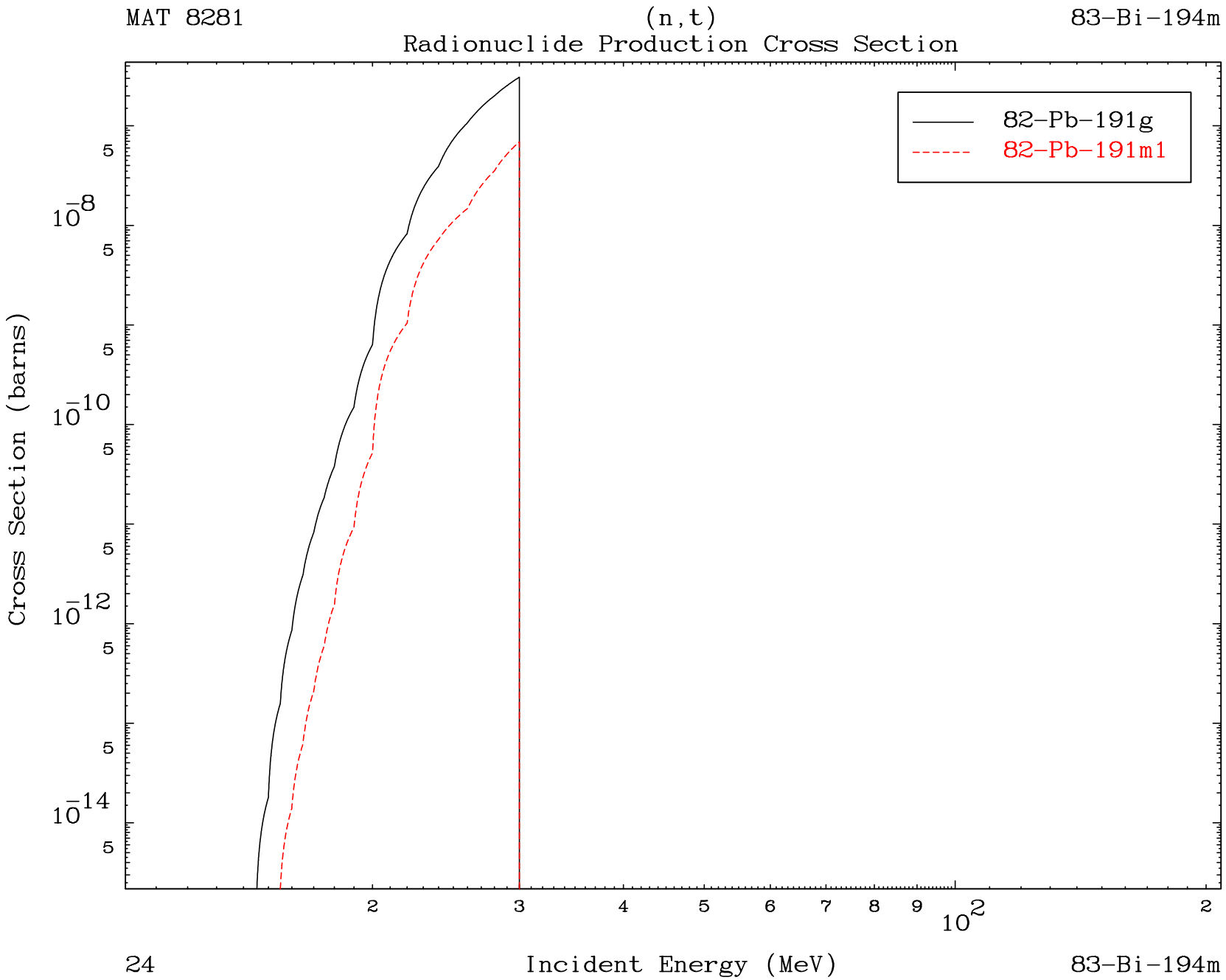

MAT 8281
(n,n') d
83-Bi-194m
Radionuclide Production Cross Section
82-Pb-191g
82-Pb-191m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
83-Bi-194m

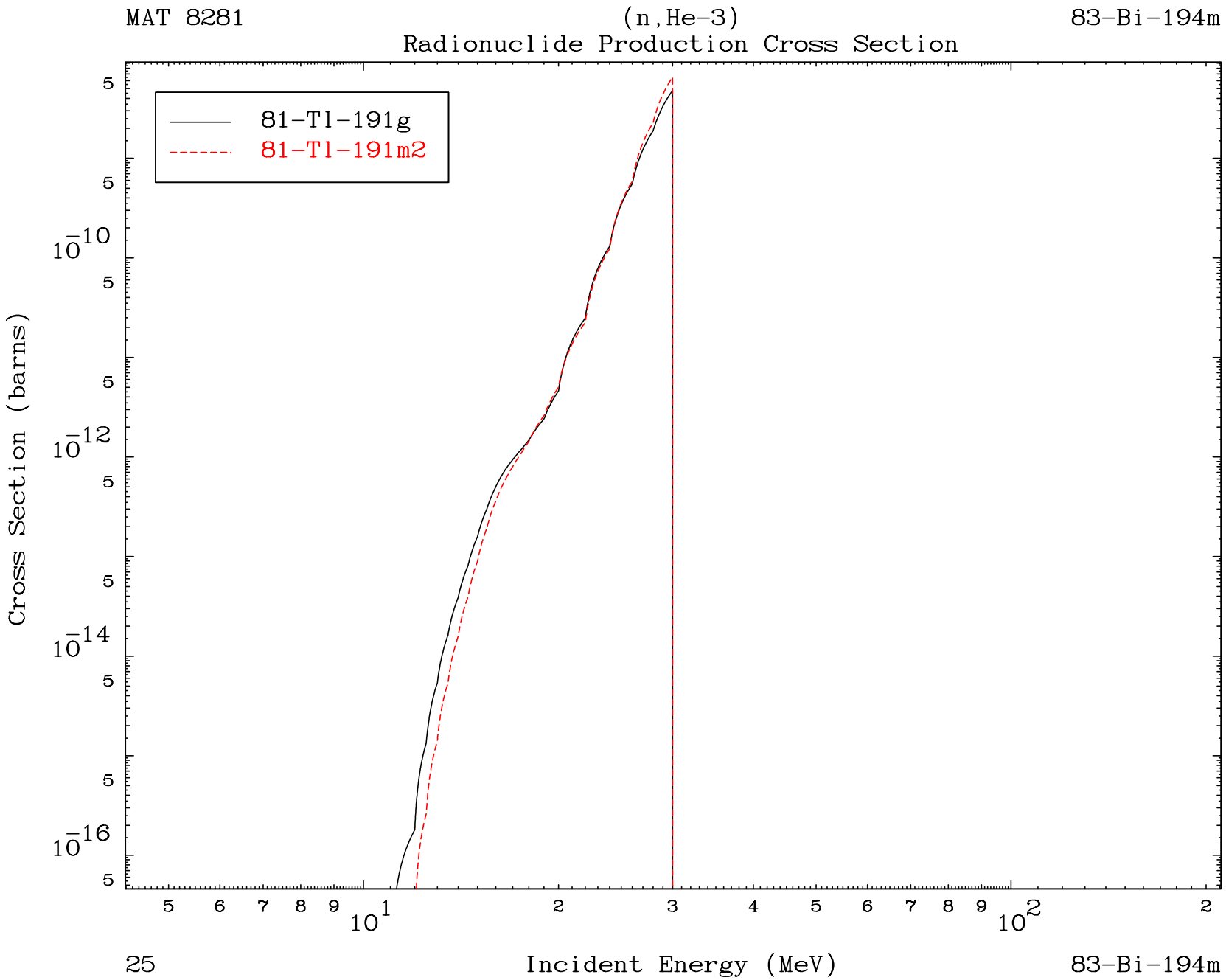

MAT 8281
(n,2n) p
83-Bi-194m
Radionuclide Production Cross Section
82-Pb-191g
82-Pb-191m1
Cross Section (barns)
Incident Energy (MeV)
20
83-Bi-194m

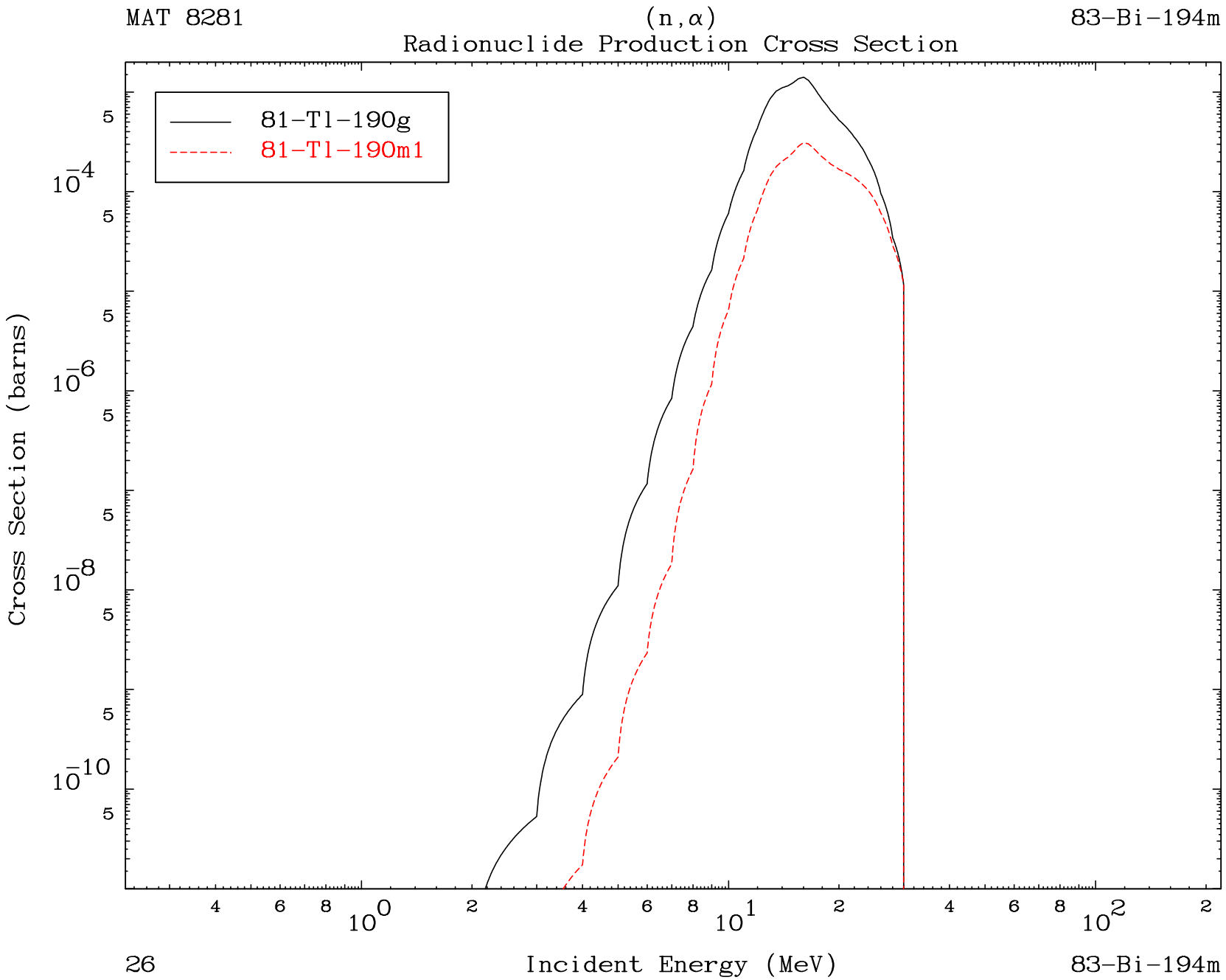

MAT 8281
(n,2n) p
83-Bi-194m
Radionuclide Production Cross Section
81-Tl-191g
81-Tl-191m2
Cross Section (barns)
Incident Energy (MeV)
21
83-Bi-194m

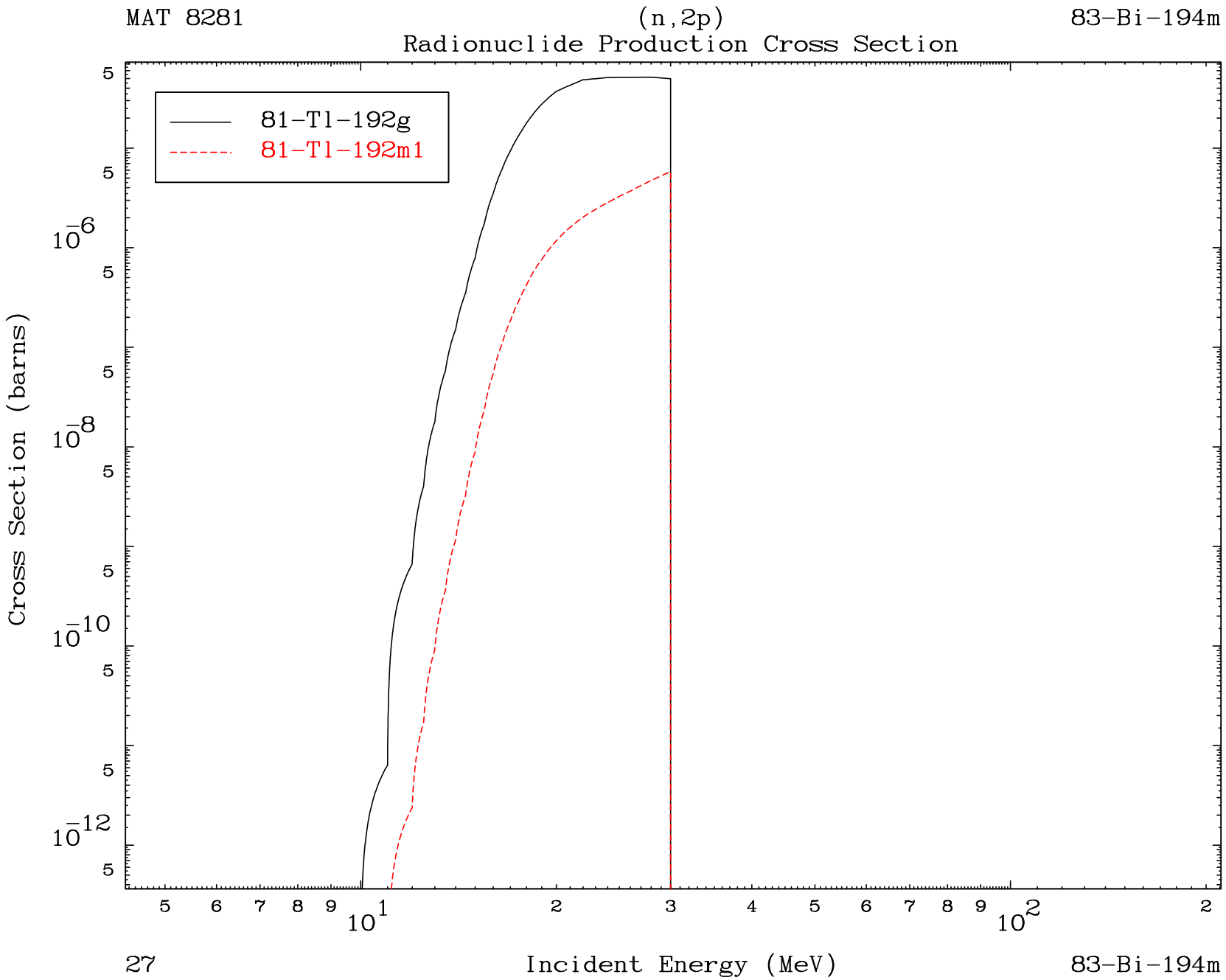

MAT 8281
(n,γ)
83-Bi-194m
Radionuclide Production Cross Section
83-Bi-194g
83-Bi-194m1
83-Bi-194m2
Cross Section (barns)
Incident Energy (MeV)
22
83-Bi-194m

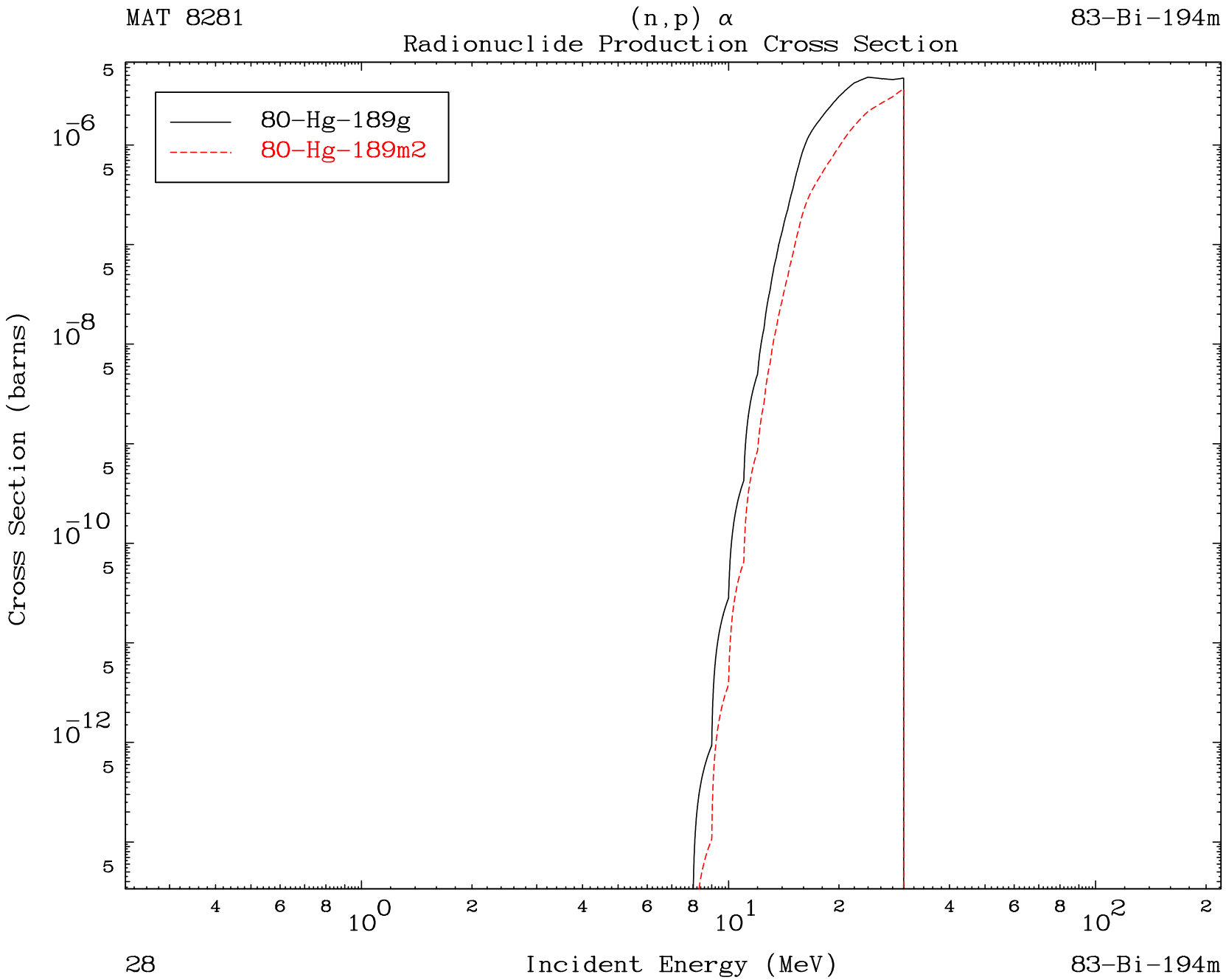

MAT 8281
(n,p)
83-Bi-194m
Radionuclide Production Cross Section
82-Pb-193g
82-Pb-193m1
Cross Section (barns)
Incident Energy (MeV)
23
83-Bi-194m

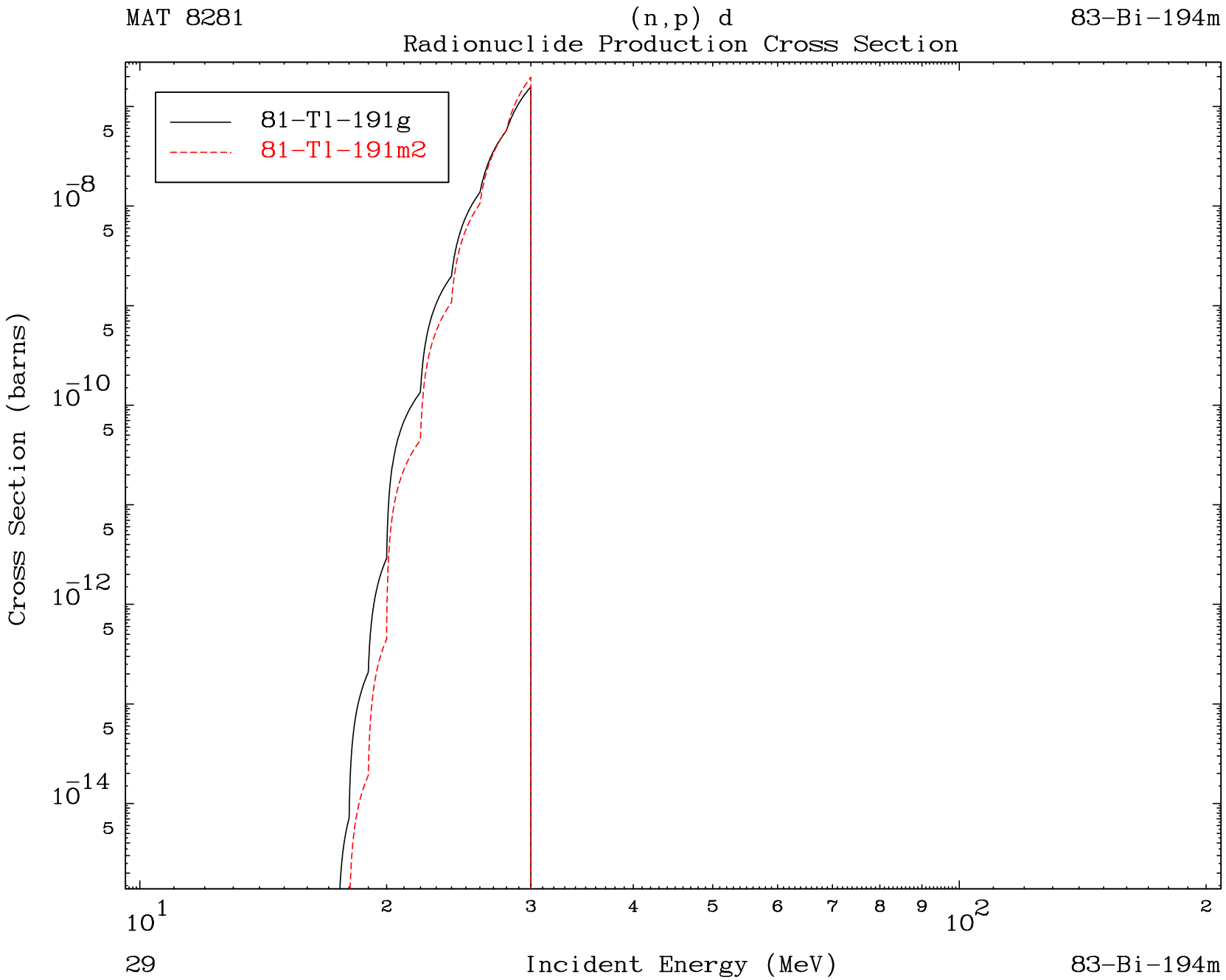

MAT 8281
(n,t)
83-Bi-194m
Radionuclide Production Cross Section
82-Pb-191g
82-Pb-191m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
24
Incident Energy (MeV)
83-Bi-194m


MAT 8281
(n,He-3)
83-Bi-194m
Radionuclide Production Cross Section
81-Tl-191g
81-Tl-191m2
Cross Section (barns)
Incident Energy (MeV)
25
83-Bi-194m


MAT 8281
(n,α)
83-Bi-194m
Radionuclide Production Cross Section
81-Tl-190g
81-Tl-190m1
Cross Section (barns)
Incident Energy (MeV)
26
83-Bi-194m


MAT 8281
(n,2p)
83-Bi-194m
Radionuclide Production Cross Section
81-Tl-192g
81-Tl-192m1
Cross Section (barns)
Incident Energy (MeV)
27
83-Bi-194m


MAT 8281
(n,p) α
83-Bi-194m
Radionuclide Production Cross Section
80-Hg-189g
80-Hg-189m2
Cross Section (barns)
Incident Energy (MeV)
28
83-Bi-194m


MAT 8281
(n,p) d
83-Bi-194m
Radionuclide Production Cross Section
81-Tl-191g
81-Tl-191m2
Cross Section (barns)
10-8
10-10
10-12
10-14
5
101
2
3
4
5
6
7
8
9
102
2
29
Incident Energy (MeV)
83-Bi-194m