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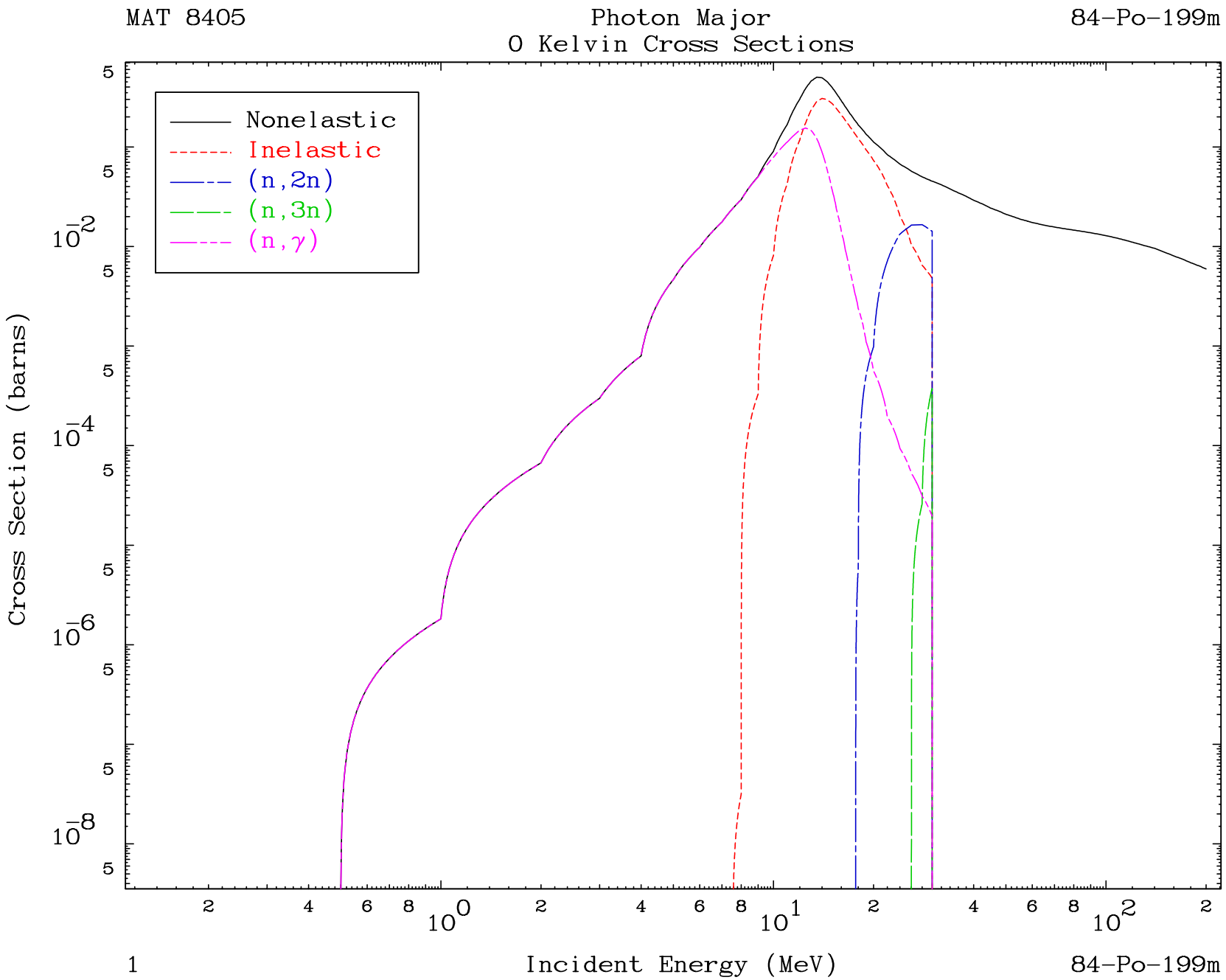
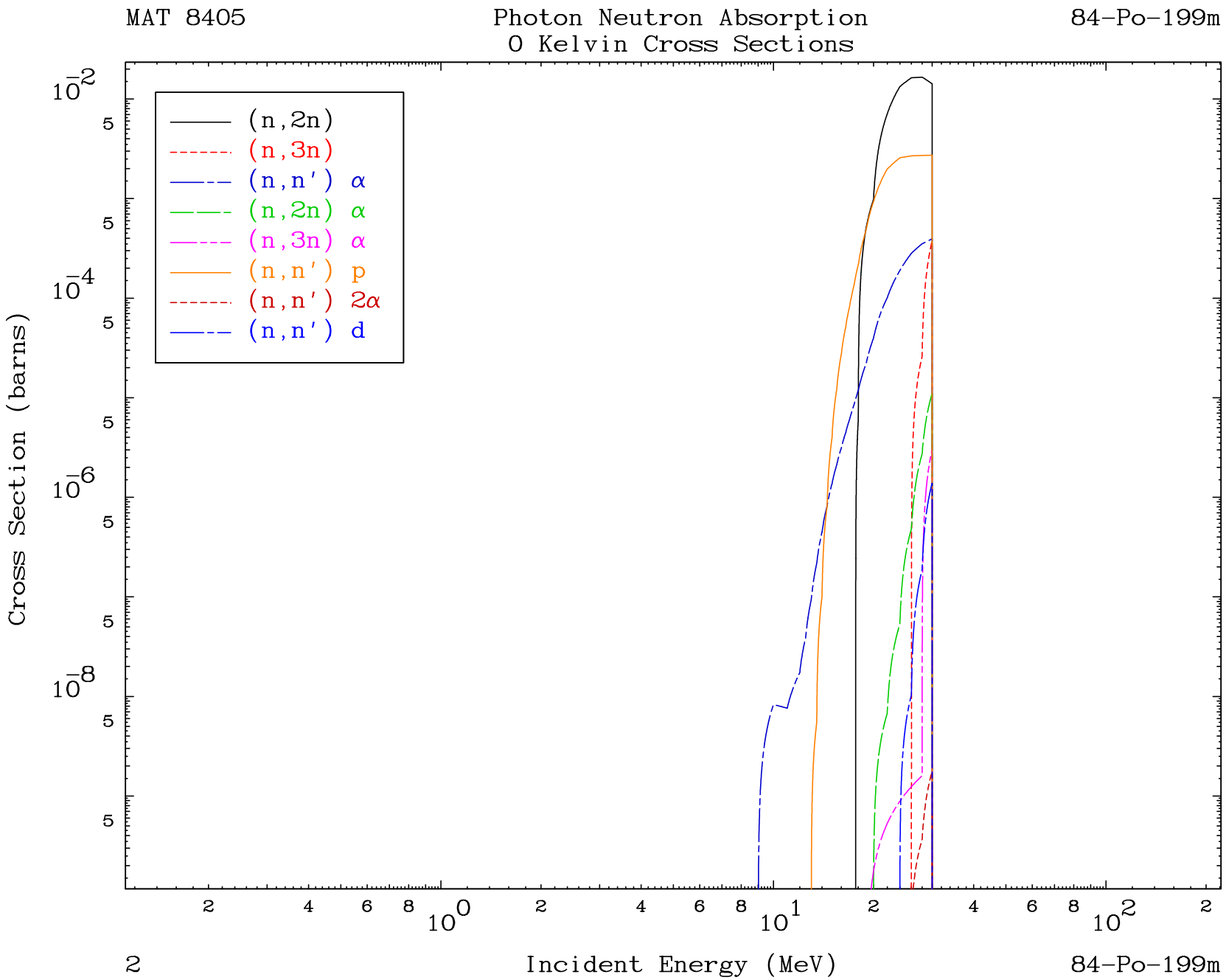
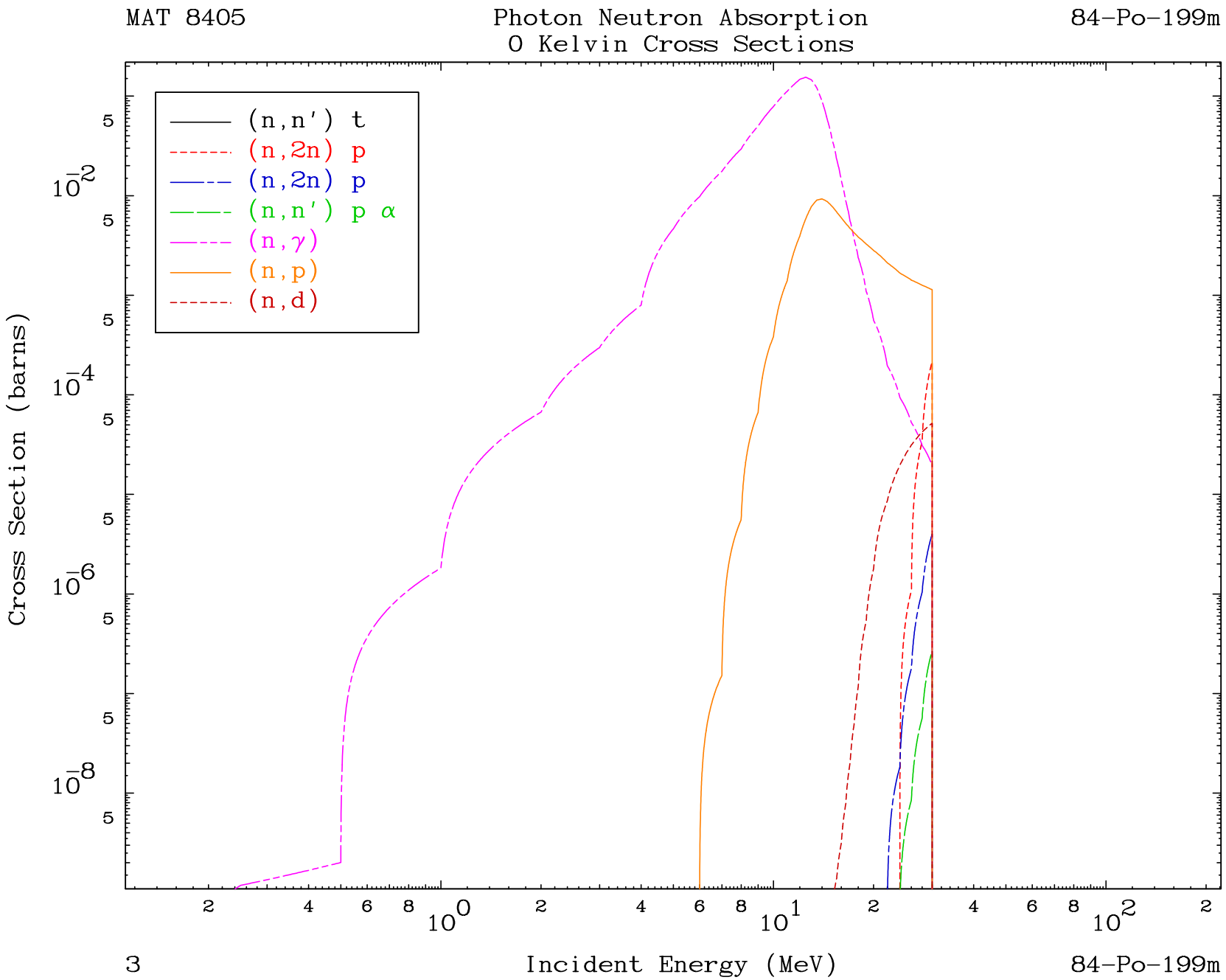
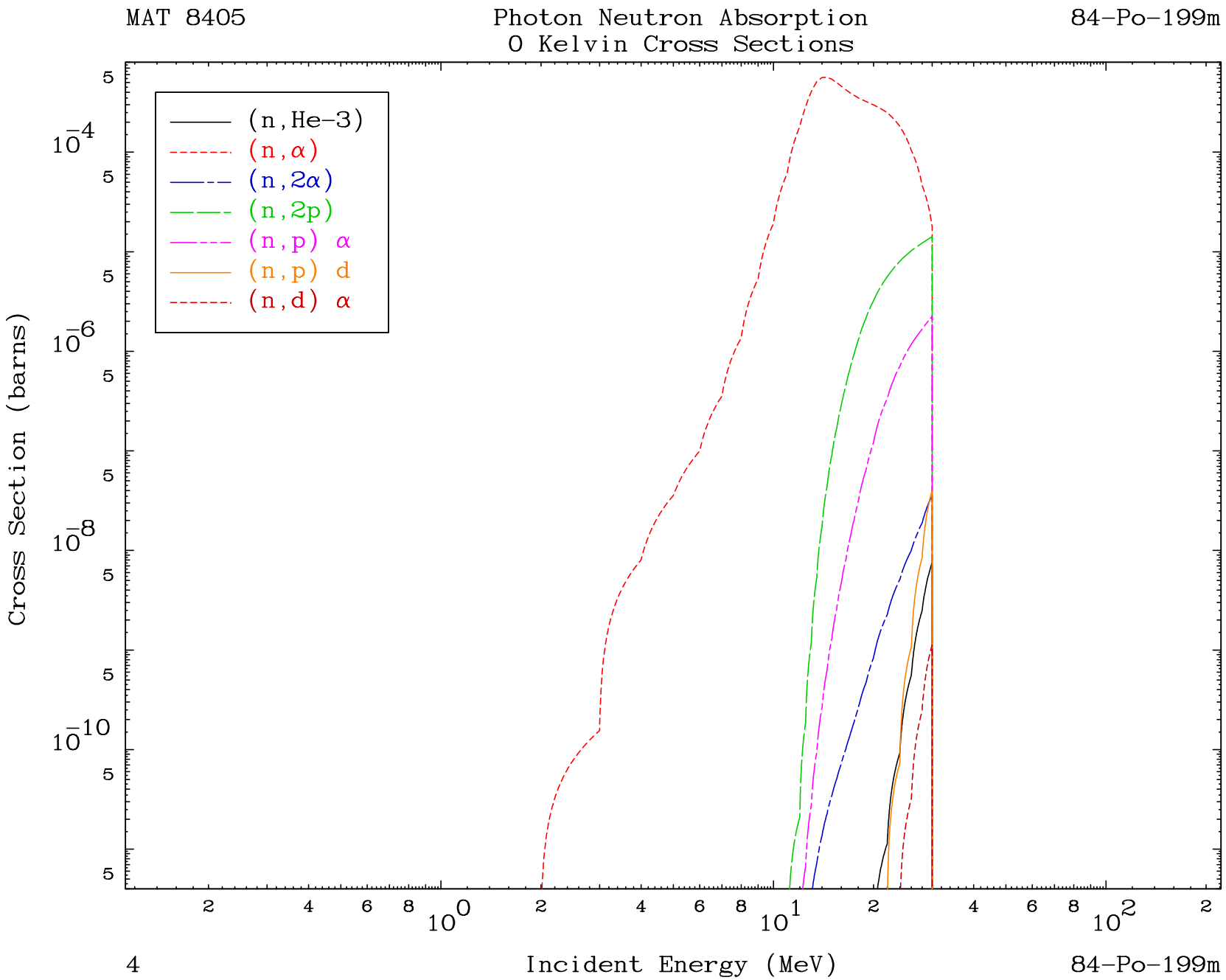
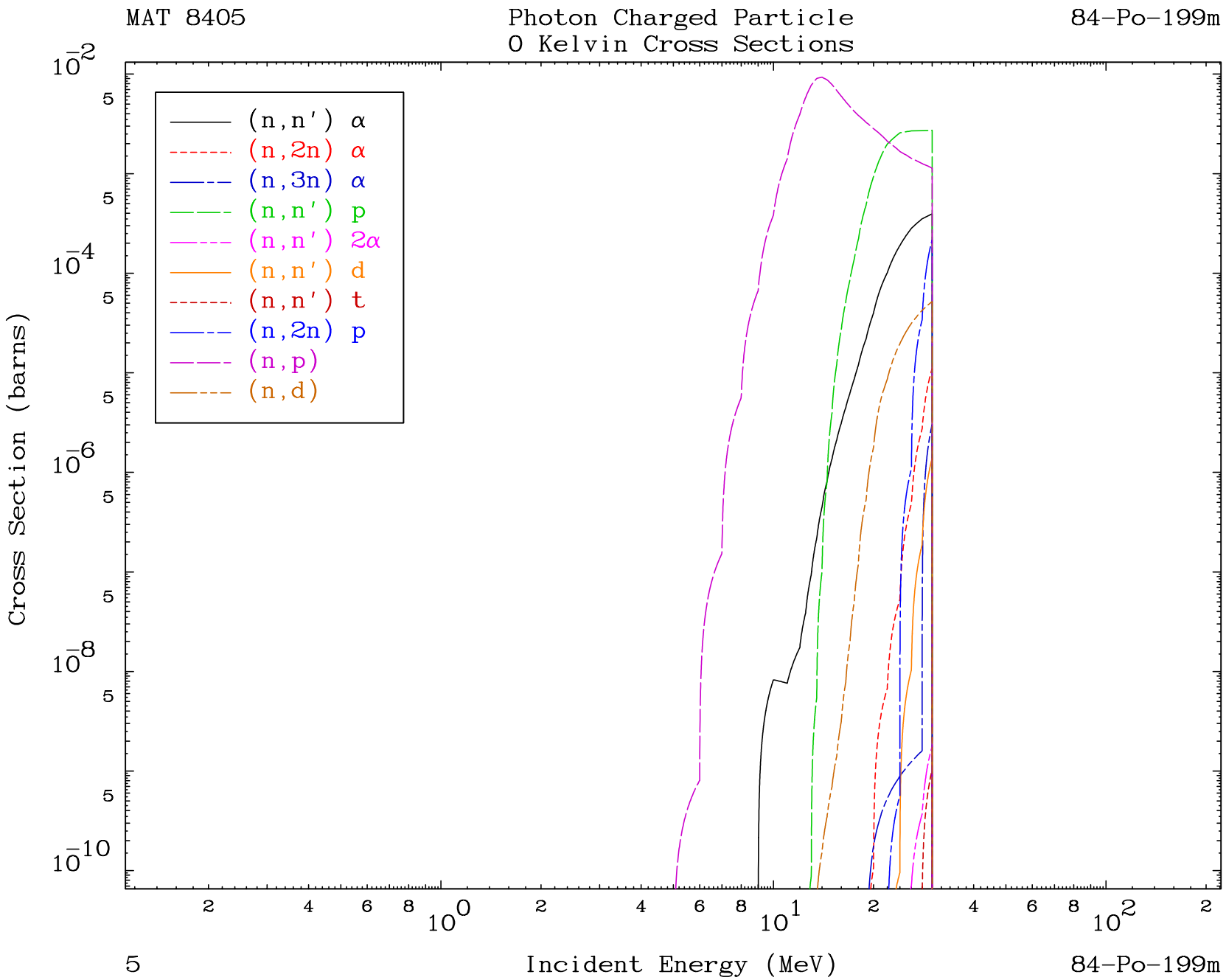
Press Mouse Button to Start

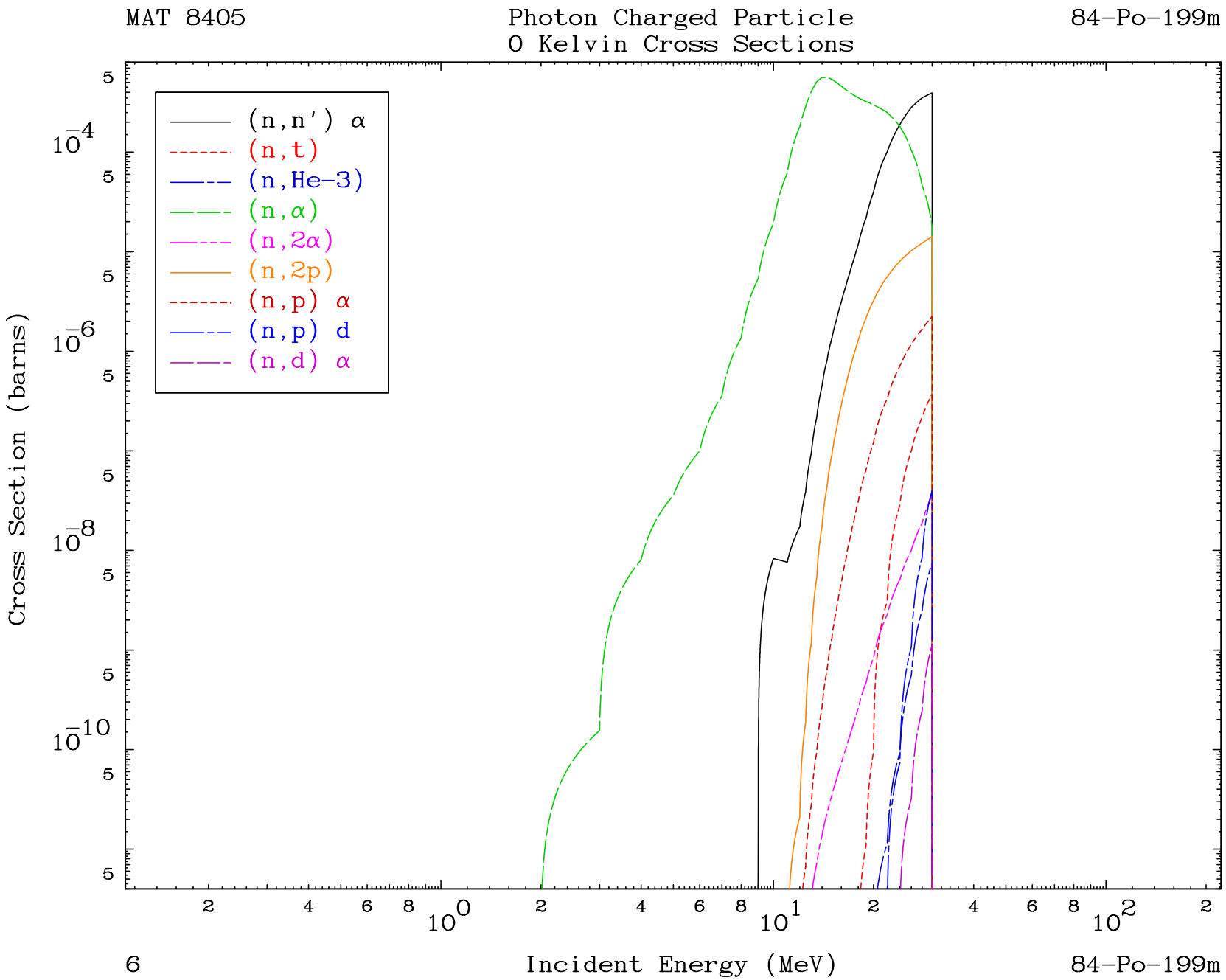

MAT 8405
Photon Major
84-Po-199m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
84-Po-199m
1

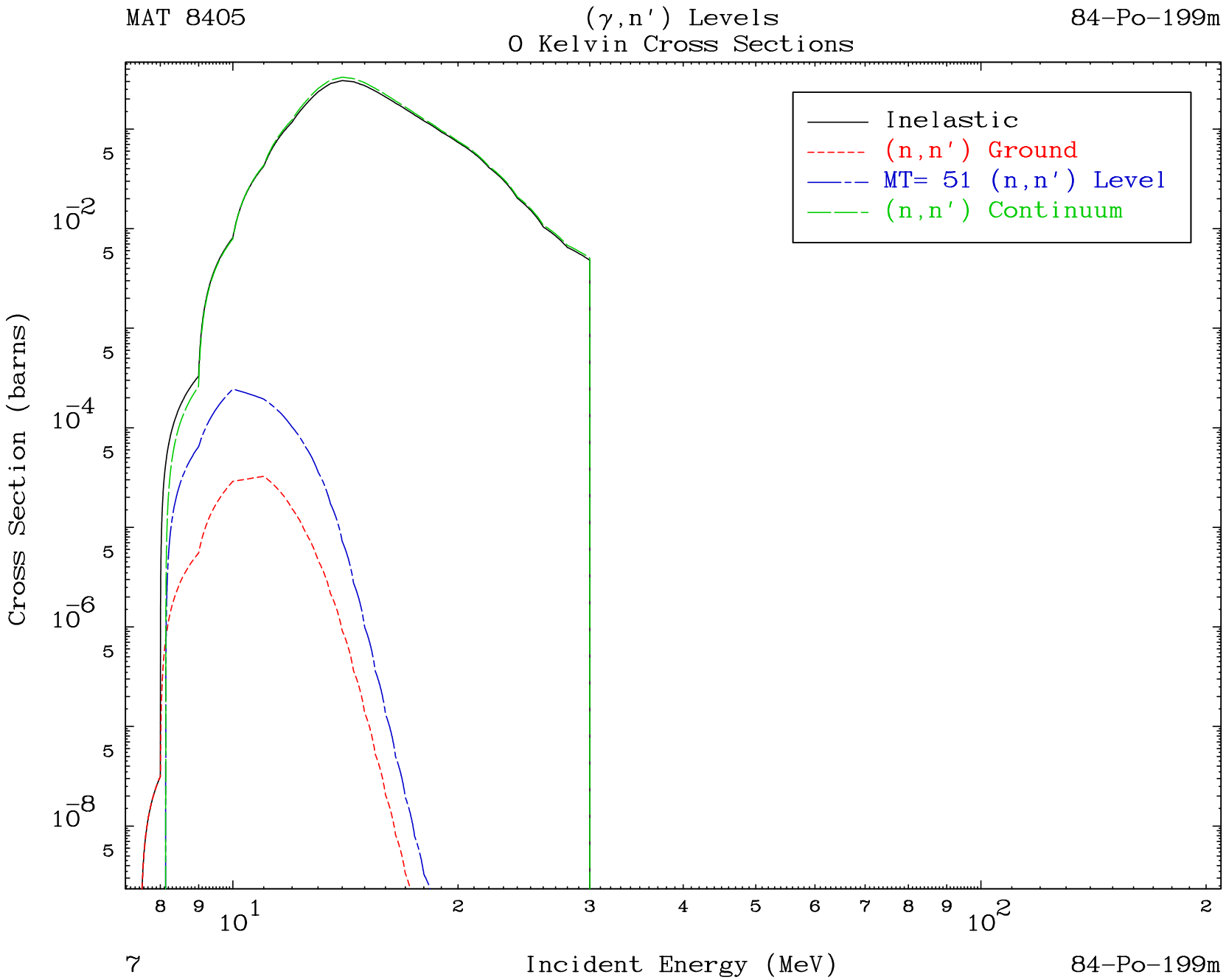

MAT 8405
Photon Neutron Absorption
0 Kelvin Cross Sections
84-Po-199m
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
84-Po-199m

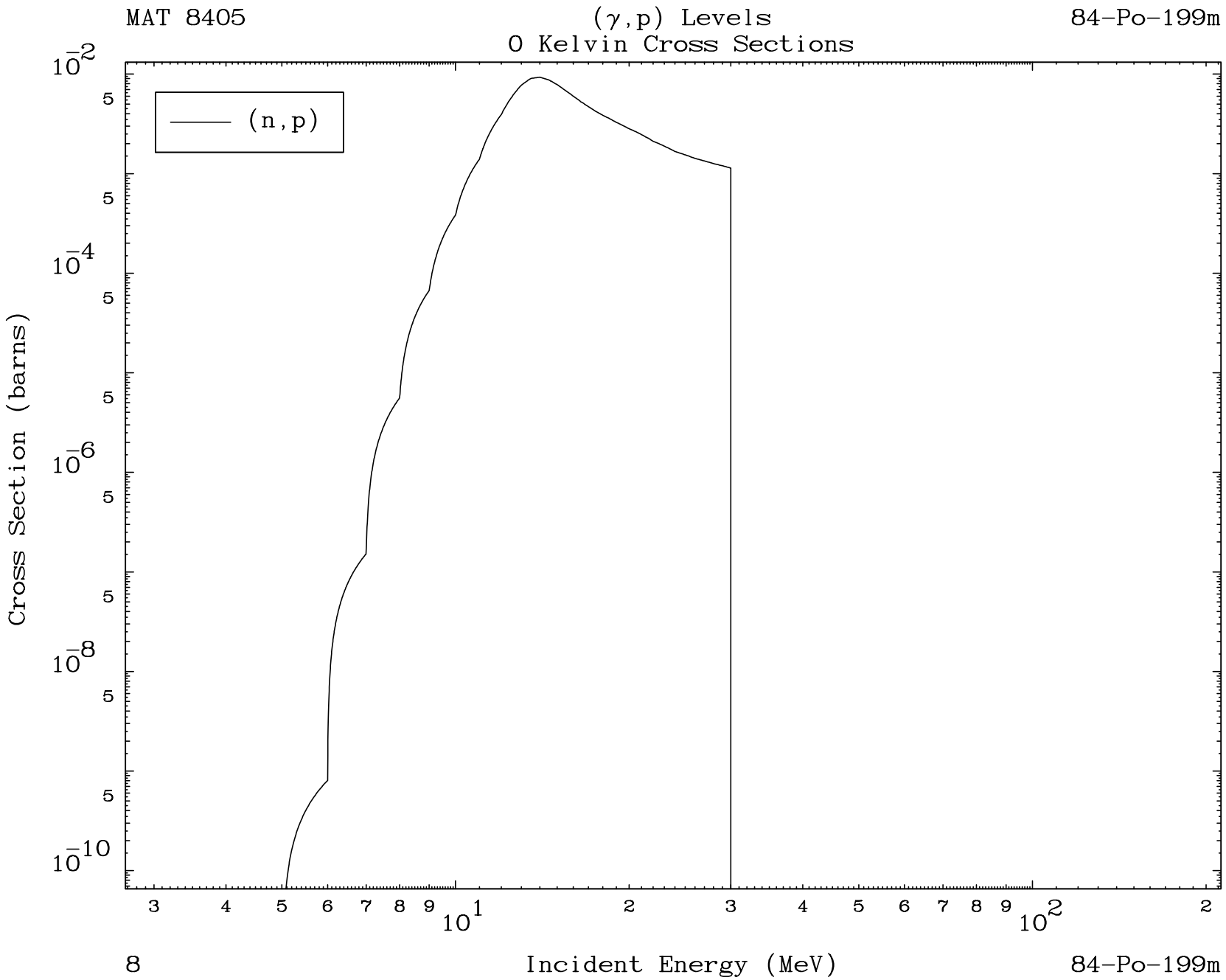

MAT 8405
Photon Neutron Absorption
0 Kelvin Cross Sections
84-Po-199m
(n,n') t
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
3
84-Po-199m

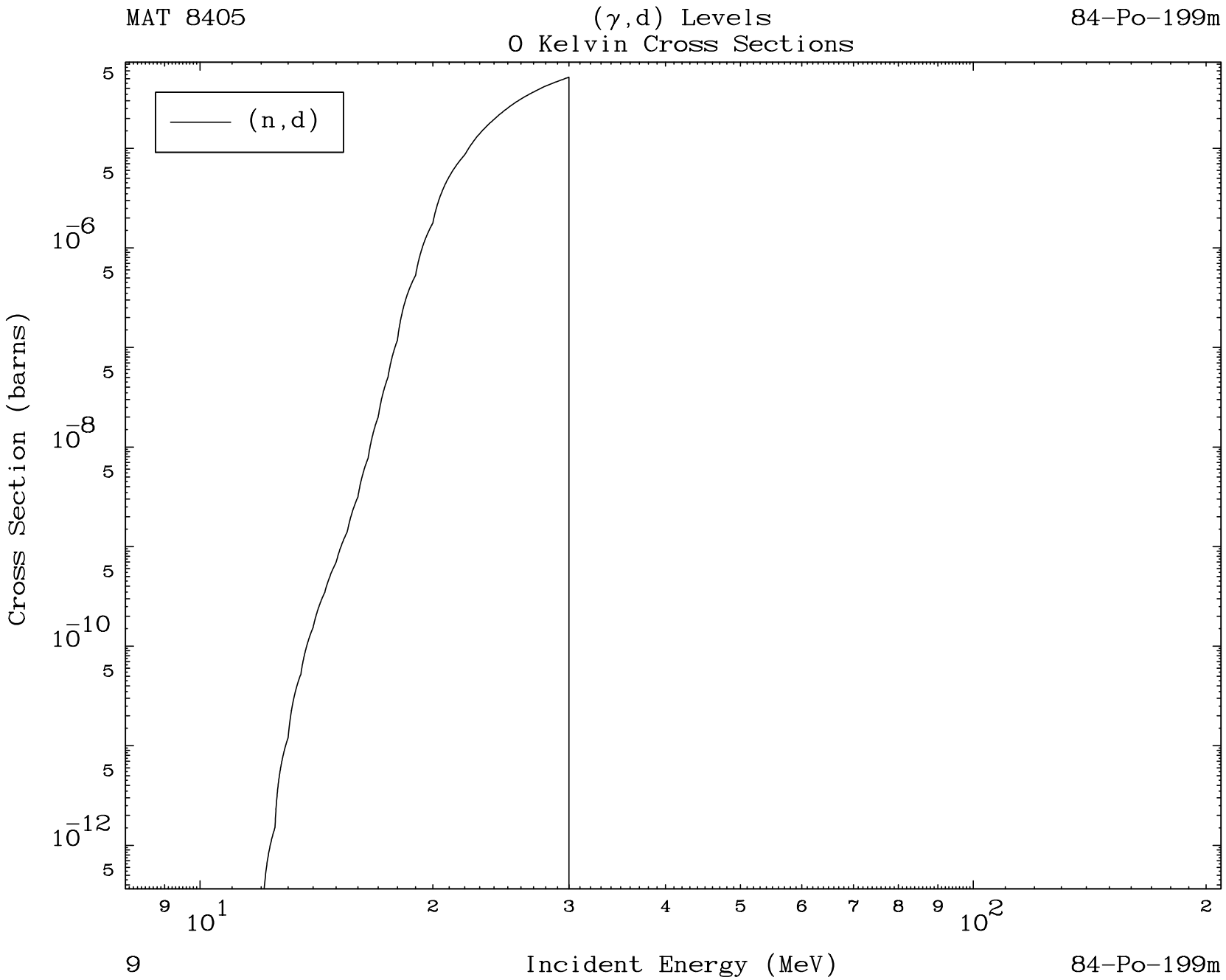

MAT 8405
Photon Neutron Absorption
0 Kelvin Cross Sections
84-Po-199m
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
84-Po-199m
4

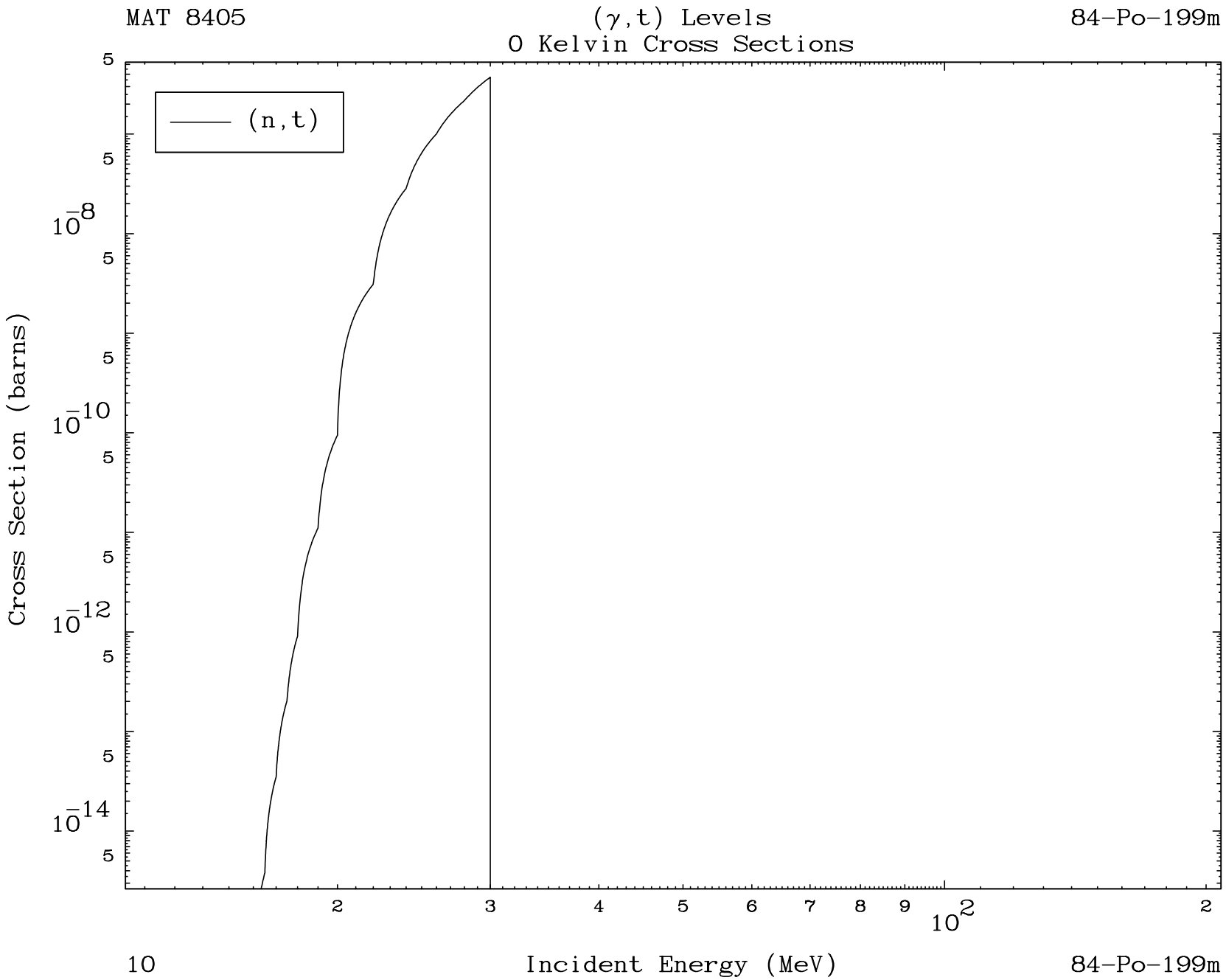

MAT 8405
Photon Charged Particle
0 Kelvin Cross Sections
84-Po-199m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
84-Po-199m
5

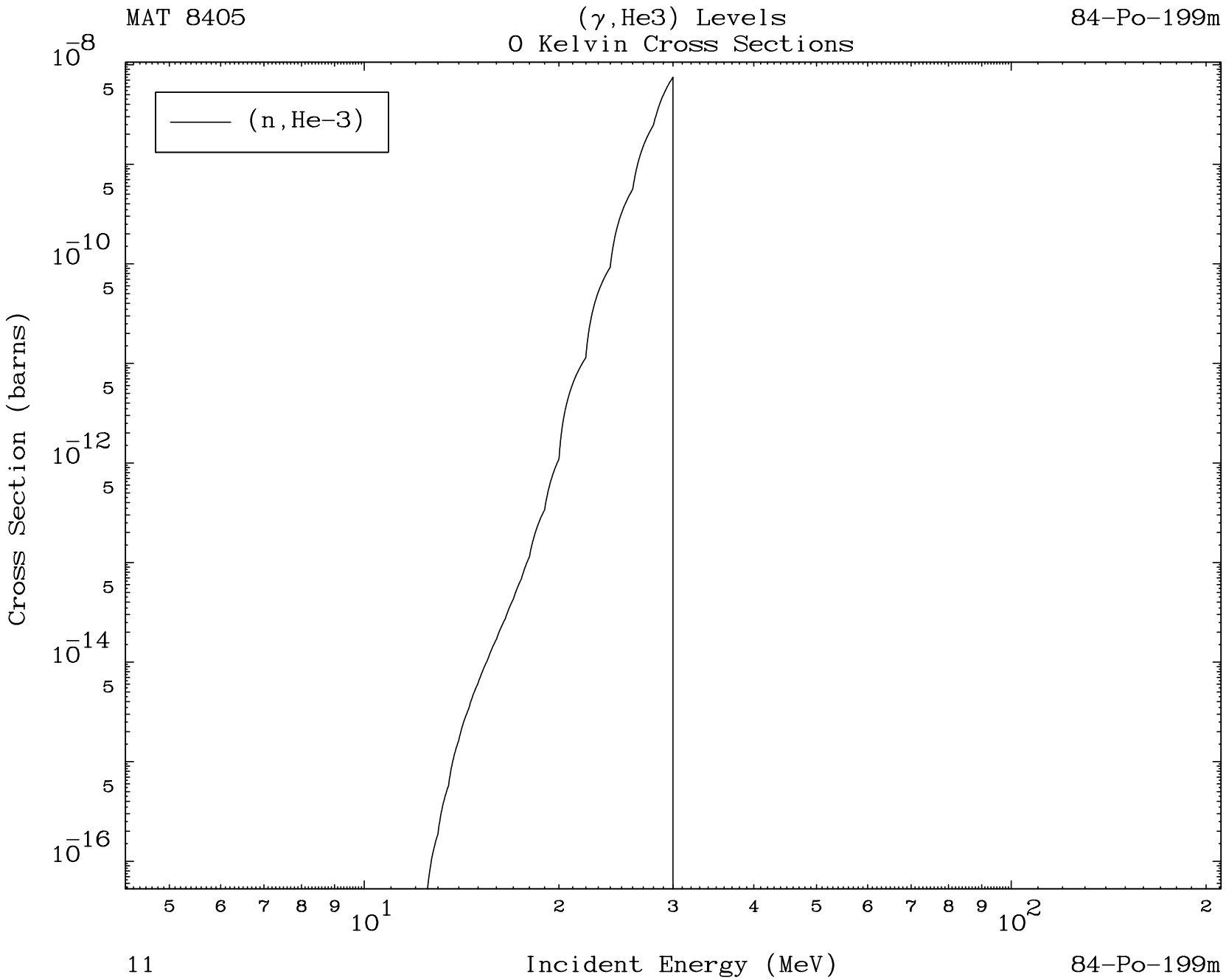

MAT 8405
Photon Charged Particle
0 Kelvin Cross Sections
84-Po-199m
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
84-Po-199m

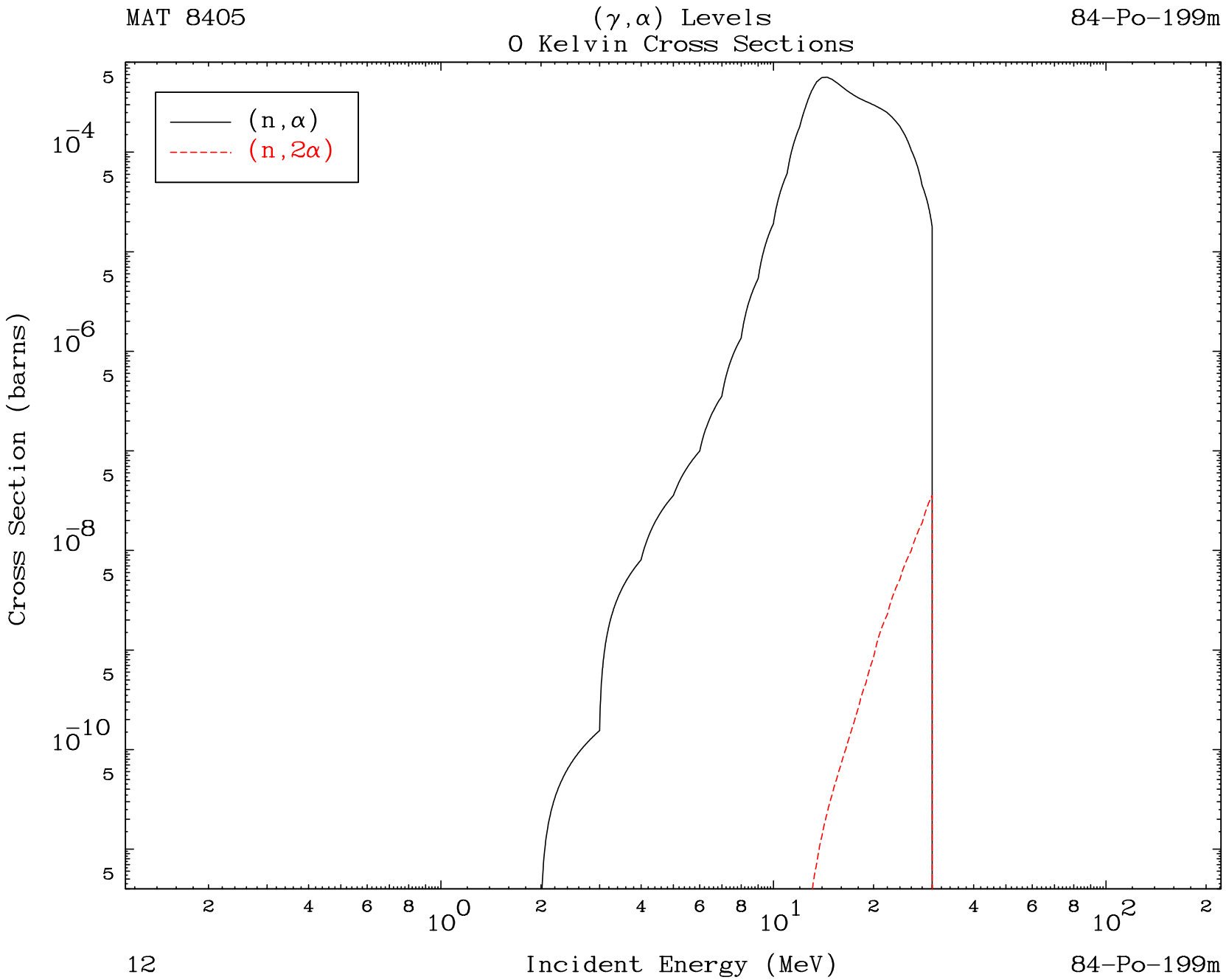

MAT 8405
(γ,n') Levels
0 Kelvin Cross Sections
84-Po-199m
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
84-Po-199m
7

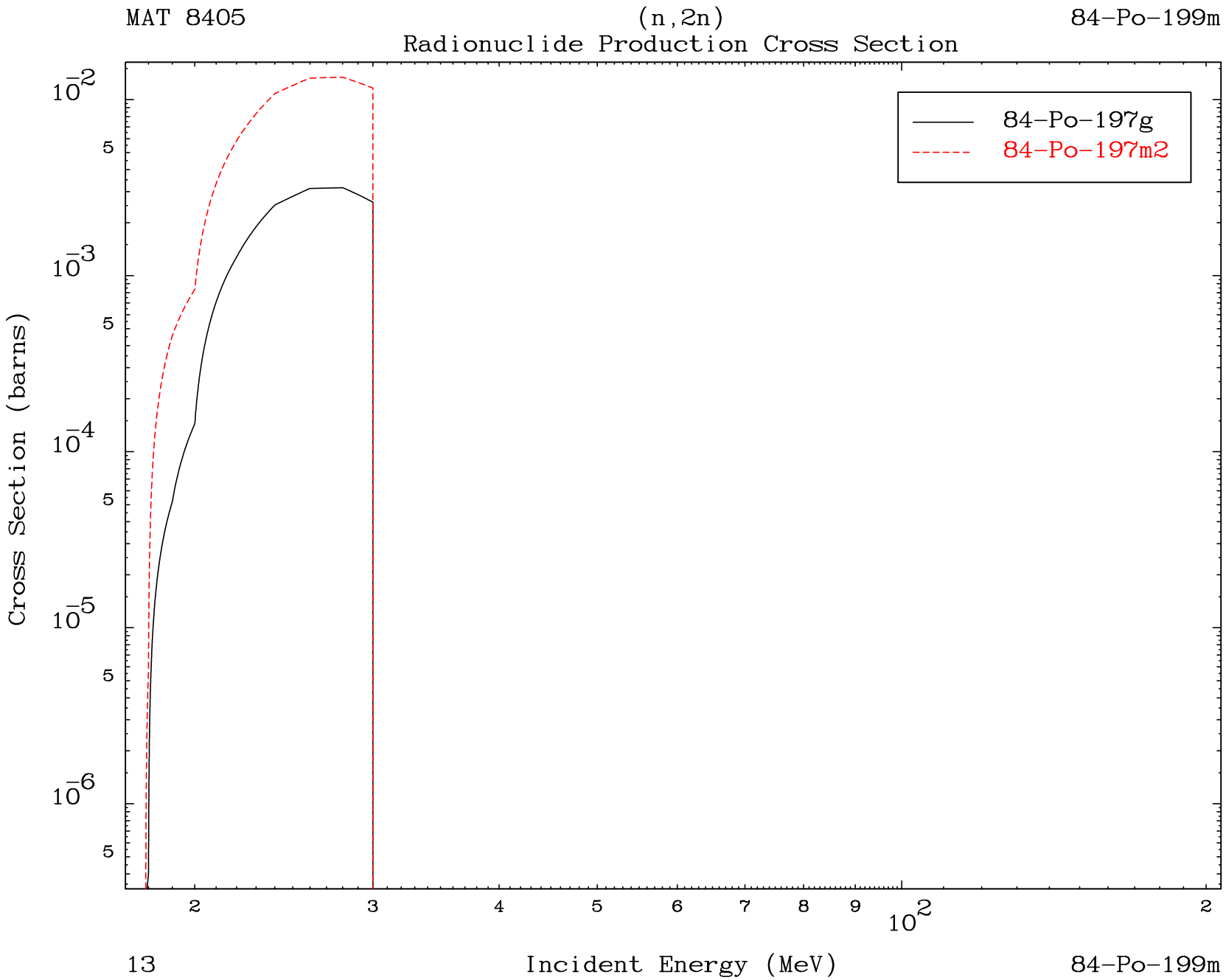

MAT 8405
(γ,p) Levels
84-Po-199m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
8
Incident Energy (MeV)
84-Po-199m

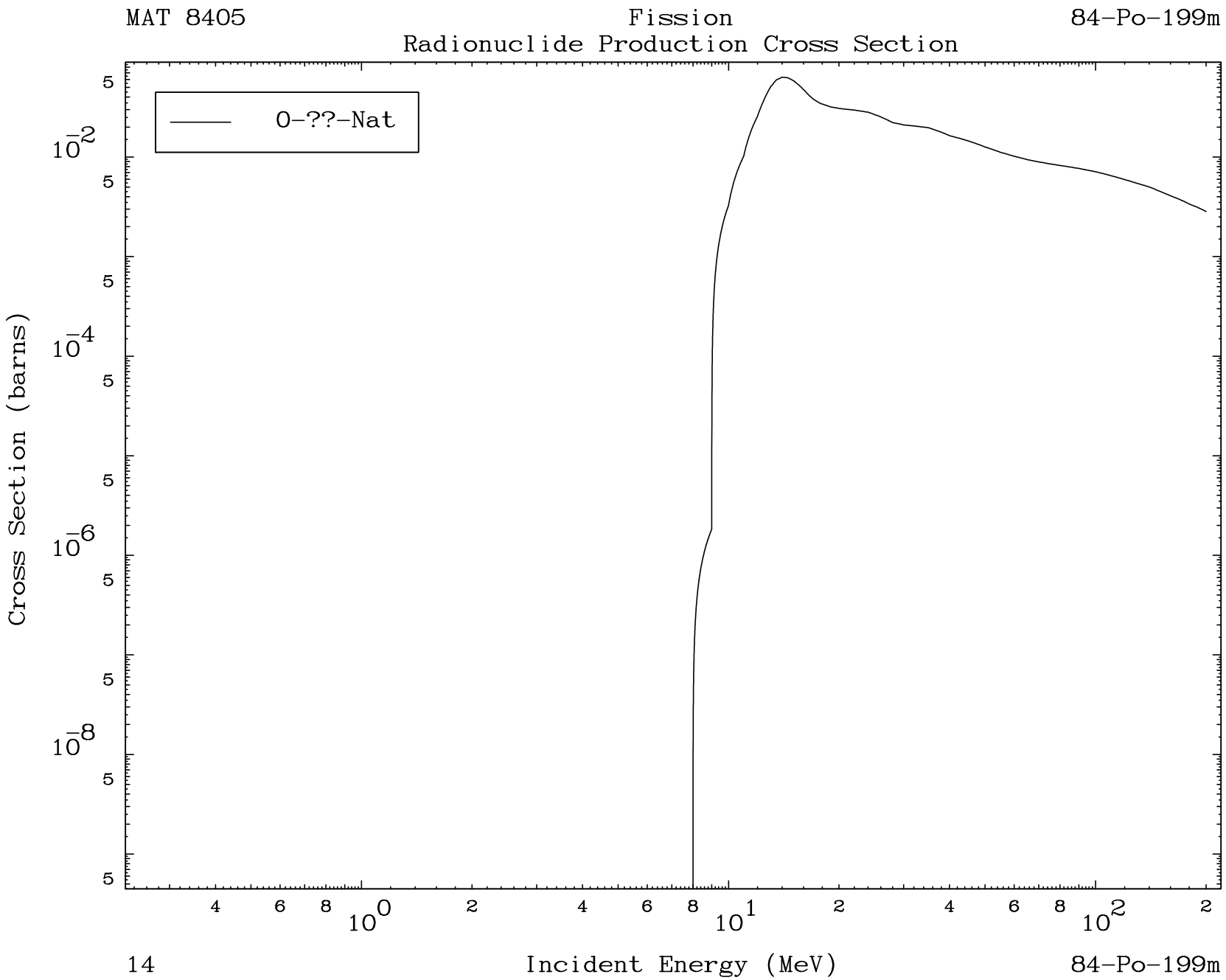

MAT 8405
(γ,d) Levels
84-Po-199m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
84-Po-199m
9

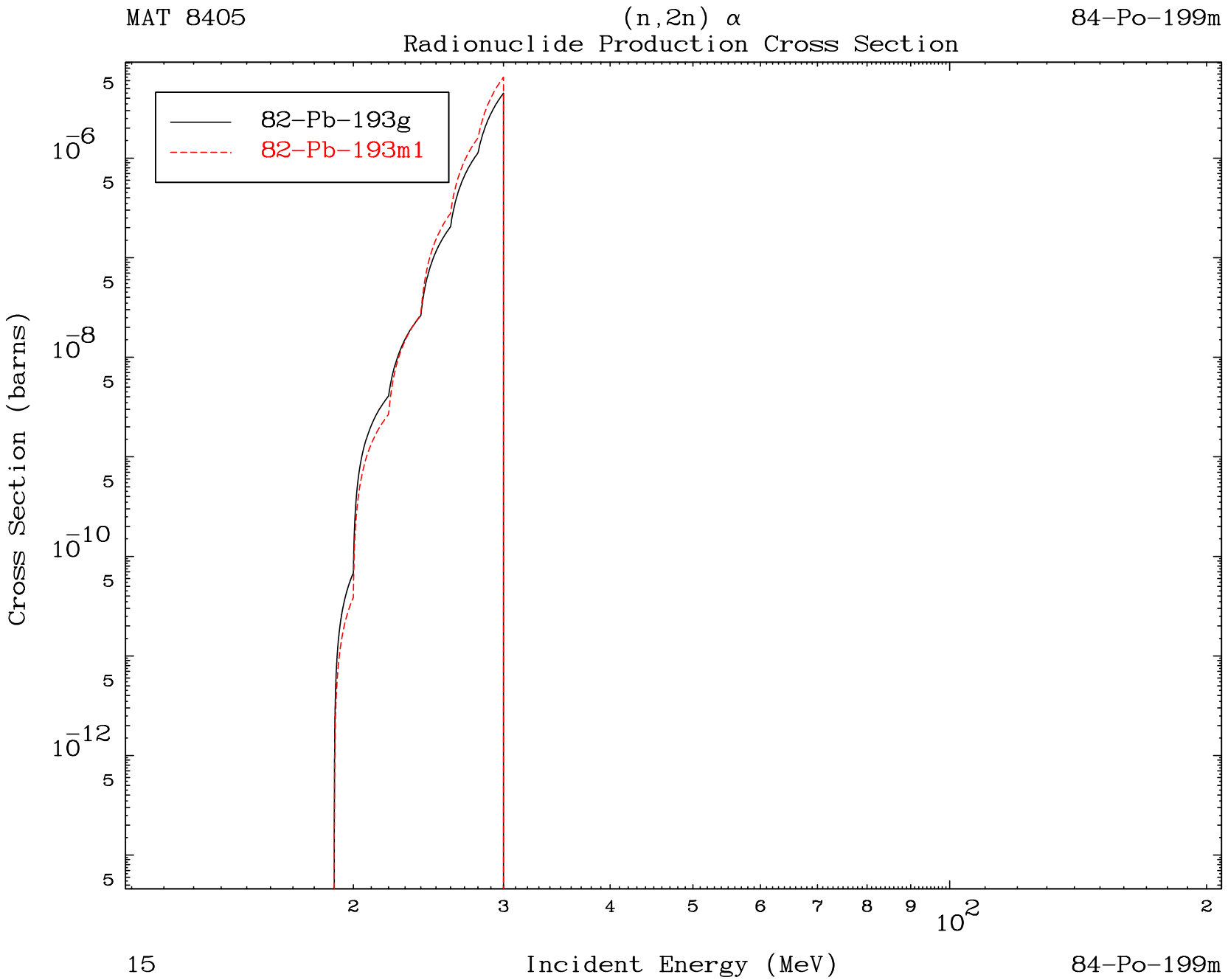

MAT 8405
(γ,t) Levels
84-Po-199m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
Incident Energy (MeV)
10
10^2
84-Po-199m

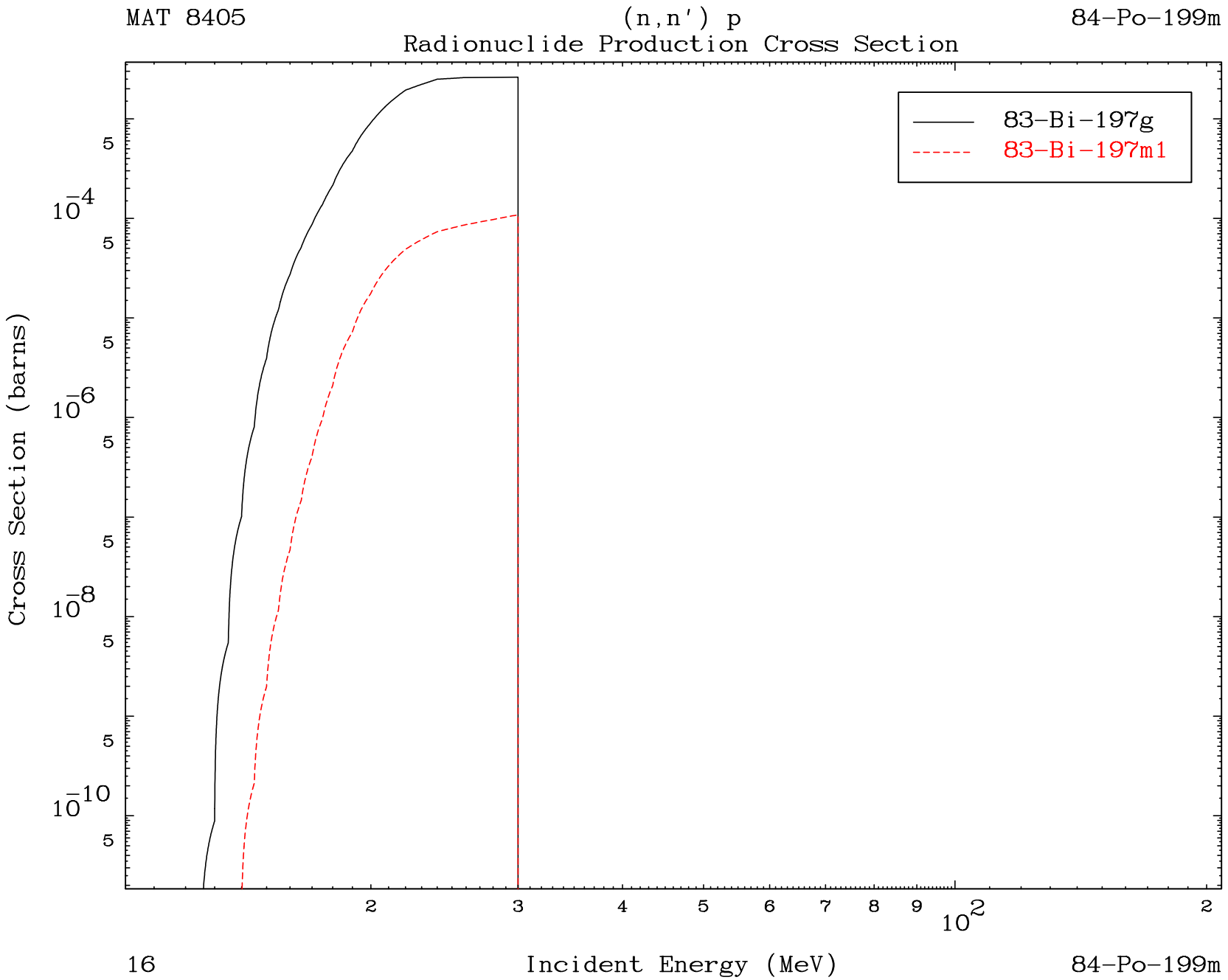

MAT 8405
(γ,He3) Levels
84-Po-199m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
84-Po-199m

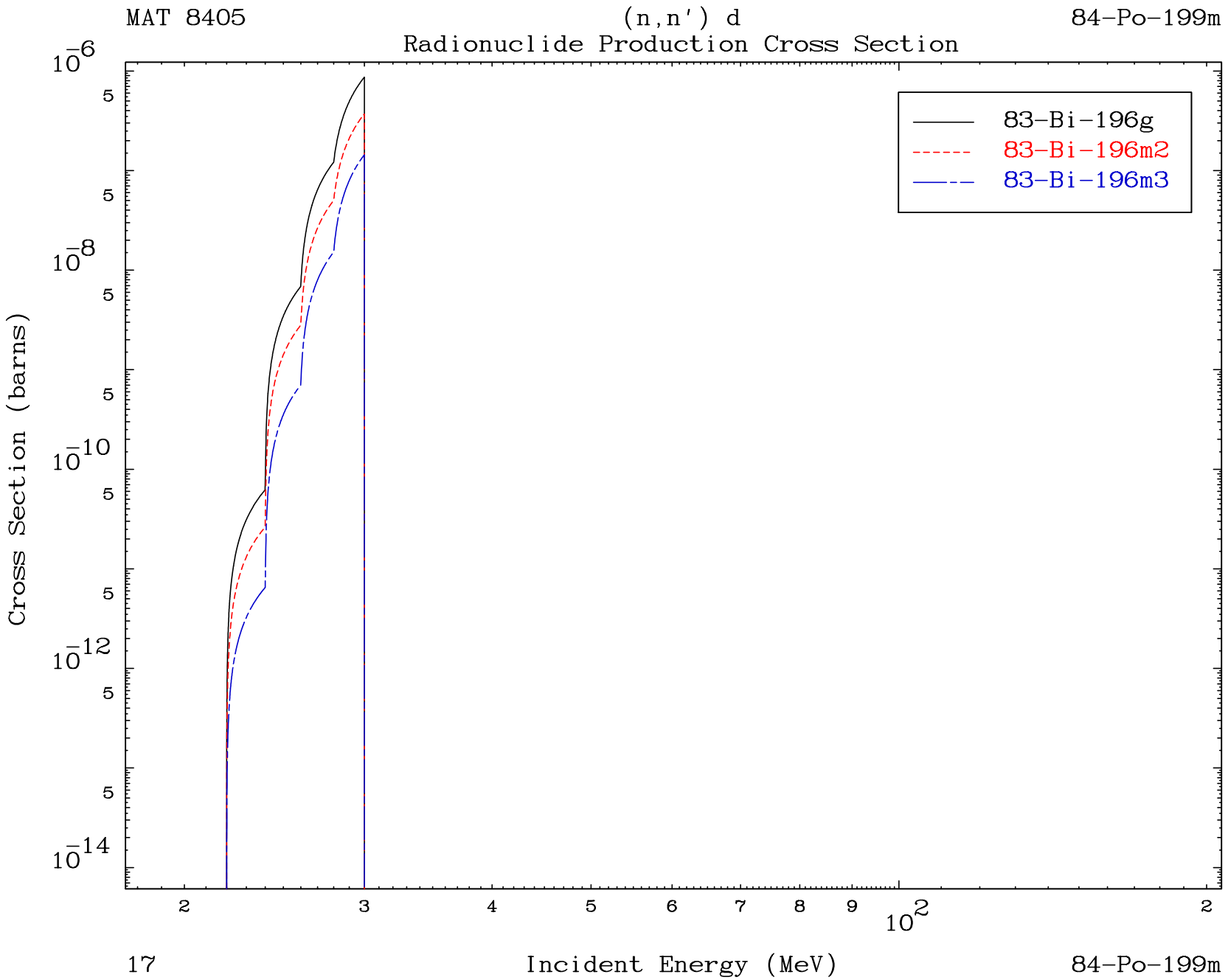

MAT 8405
(γ,α) Levels
84-Po-199m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
12
84-Po-199m

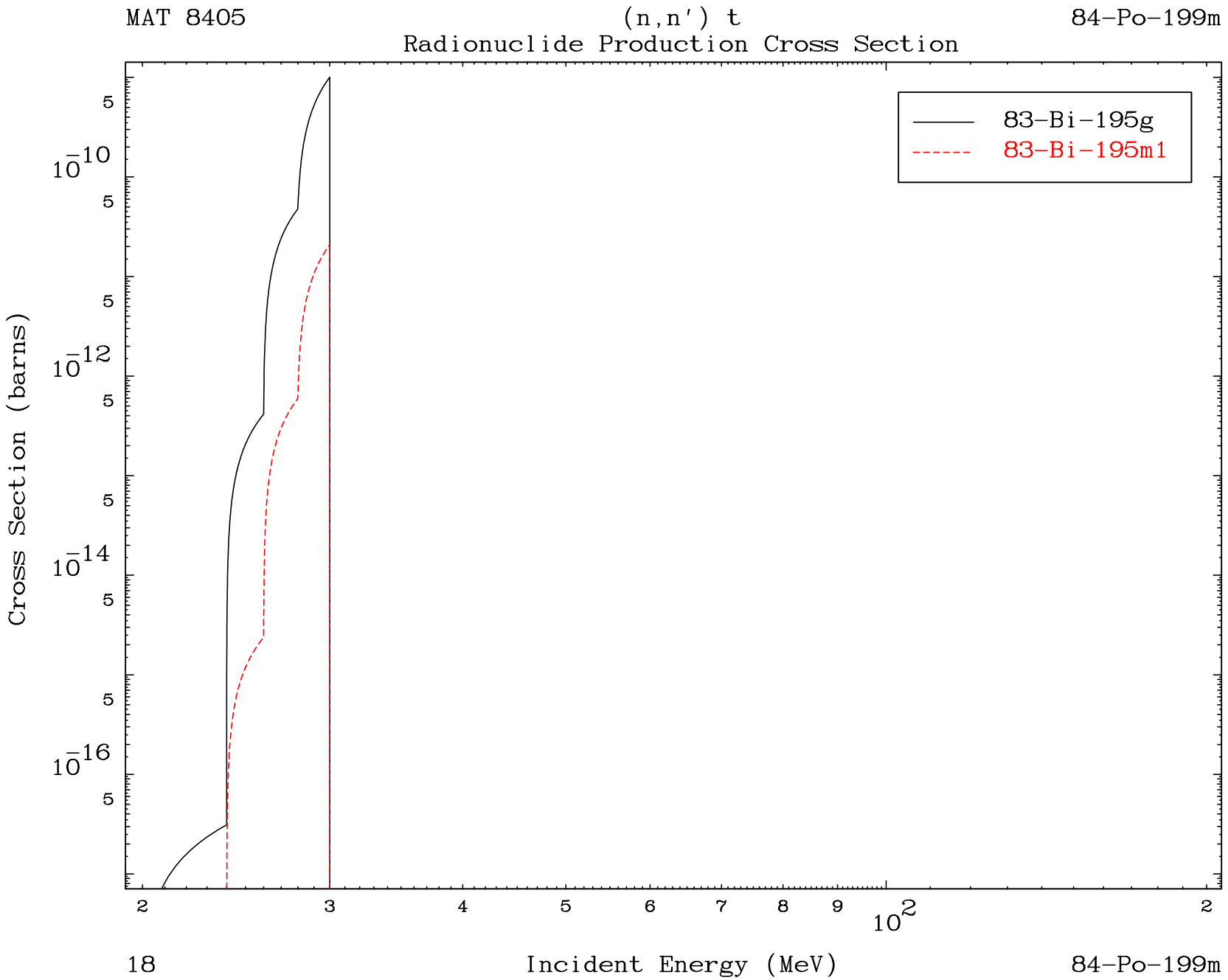

MAT 8405
(n,2n)
84-Po-199m
Radionuclide Production Cross Section
84-Po-197g
84-Po-197m2
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
10-6
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
84-Po-199m

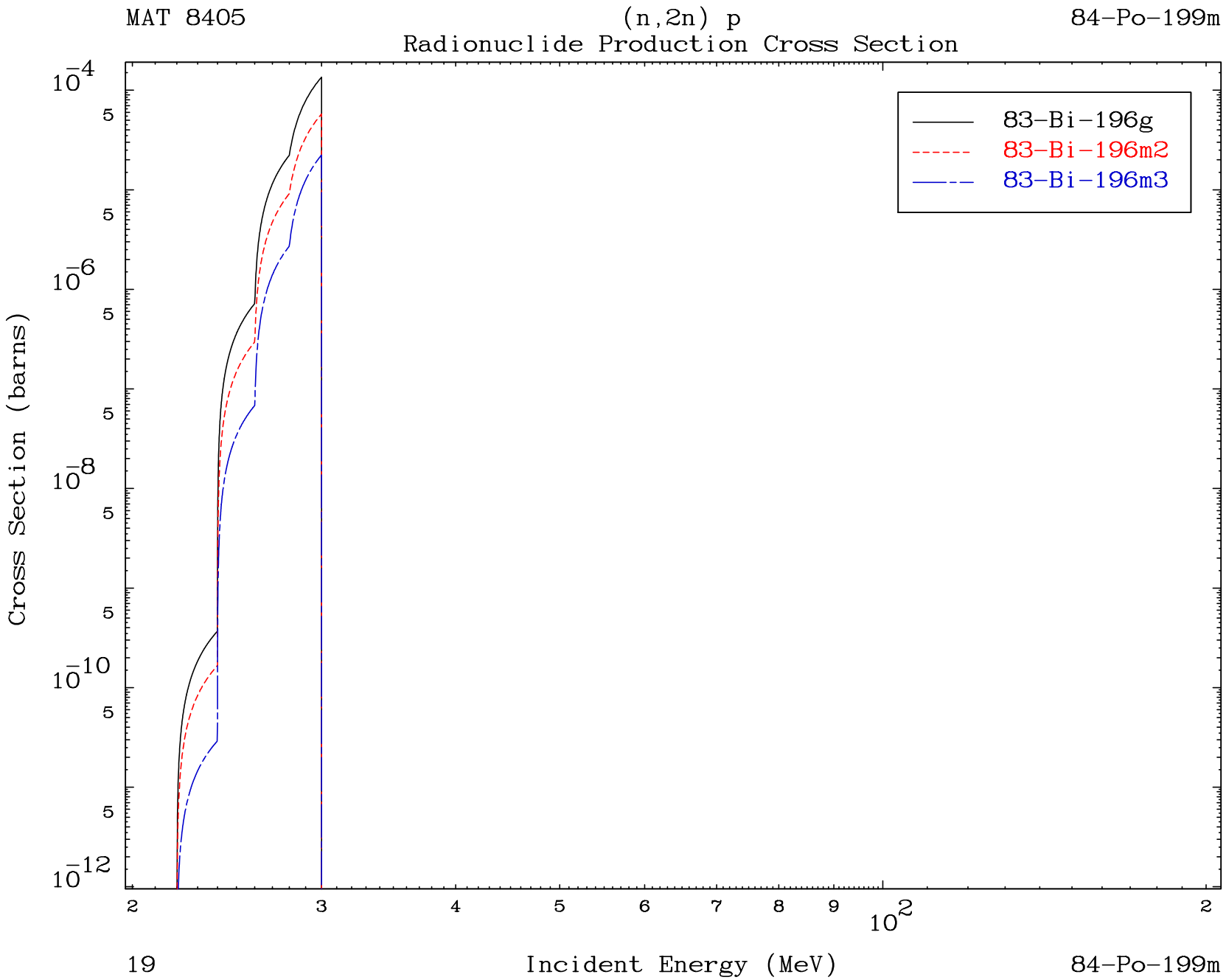

MAT 8405
Fission
84-Po-199m
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
14
84-Po-199m

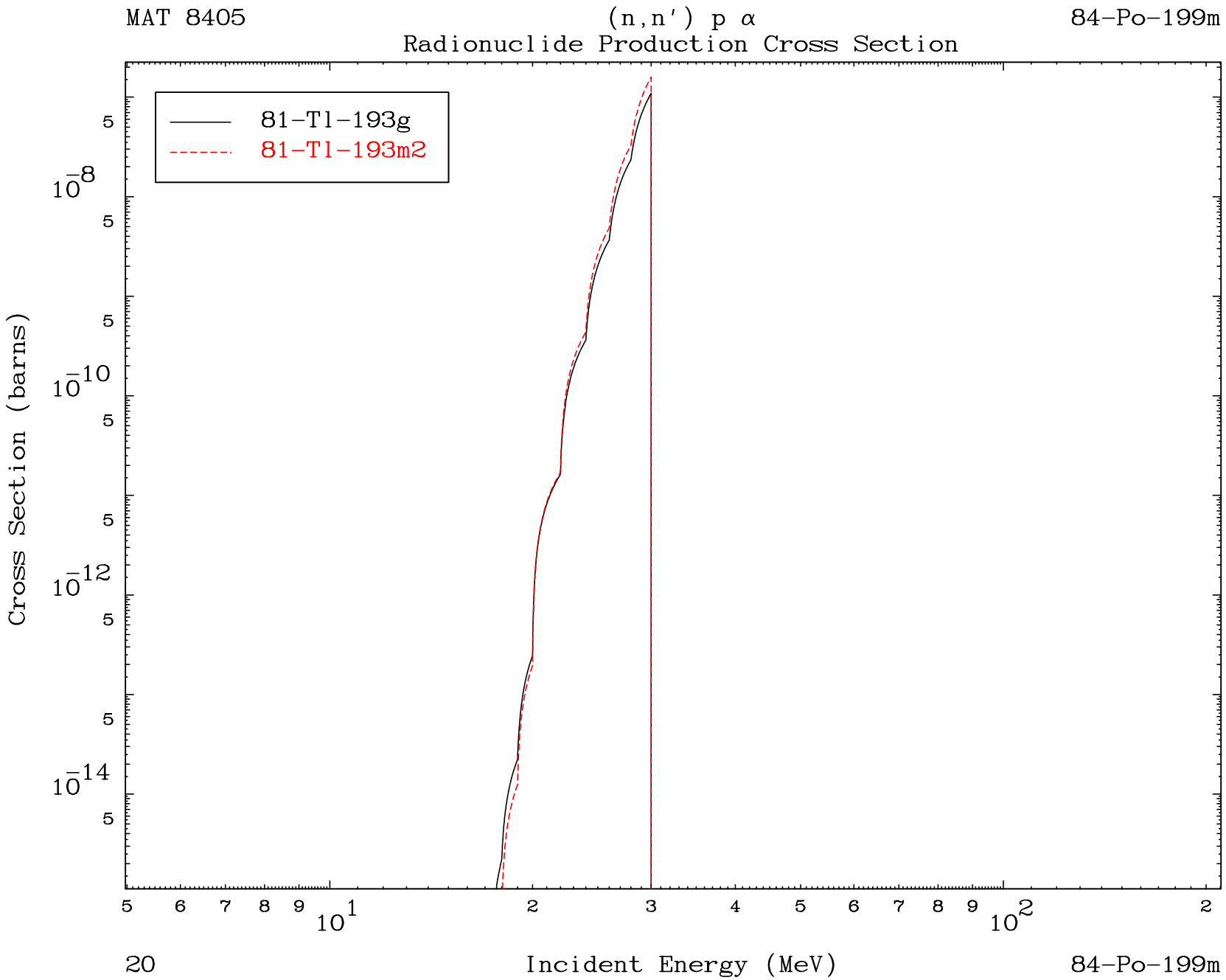

MAT 8405
(n,2n) α
84-Po-199m
Radionuclide Production Cross Section
82-Pb-193g
82-Pb-193m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
84-Po-199m

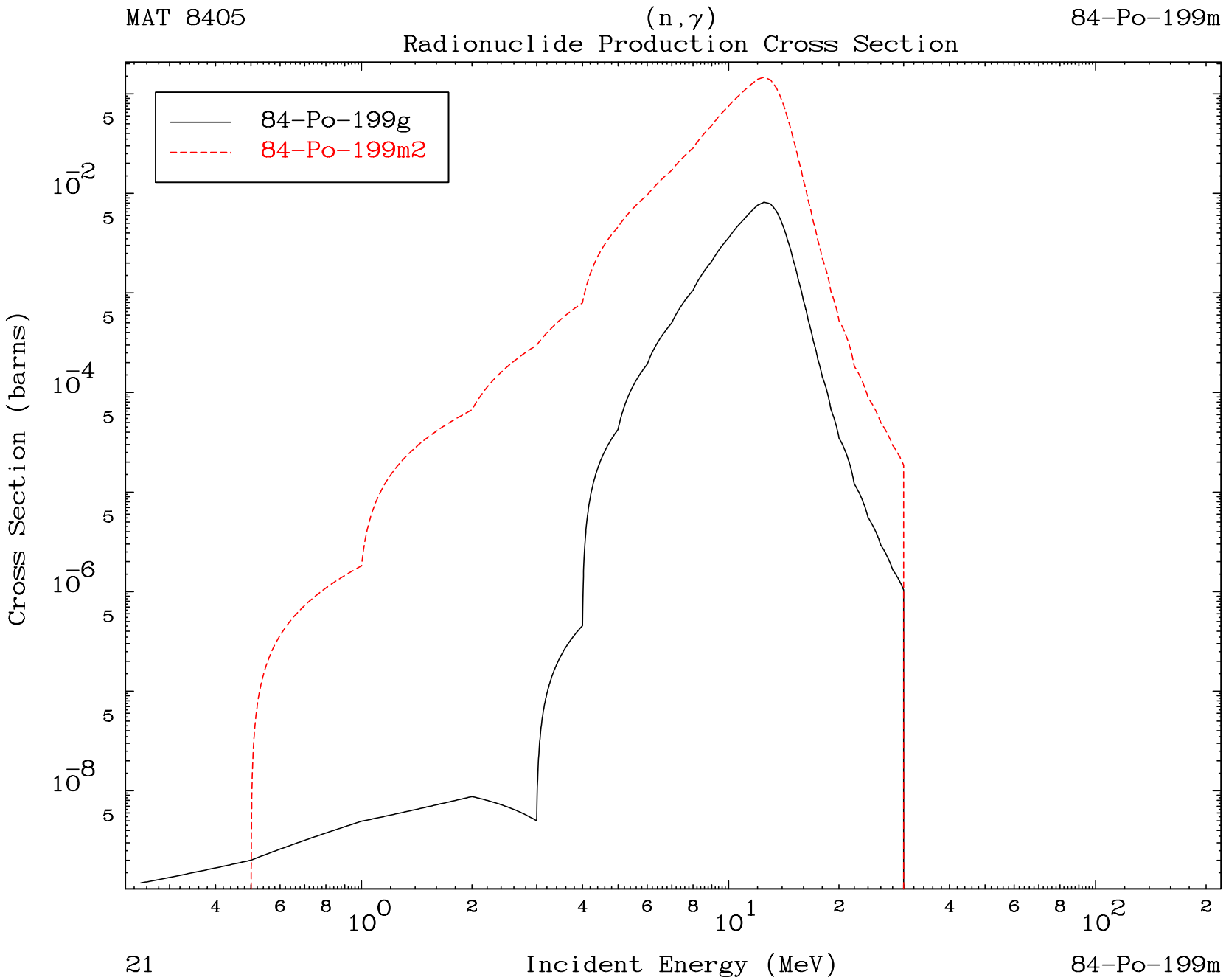

MAT 8405
(n,n') p
84-Po-199m
Radionuclide Production Cross Section
83-Bi-197g
83-Bi-197m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
16
Incident Energy (MeV)
84-Po-199m

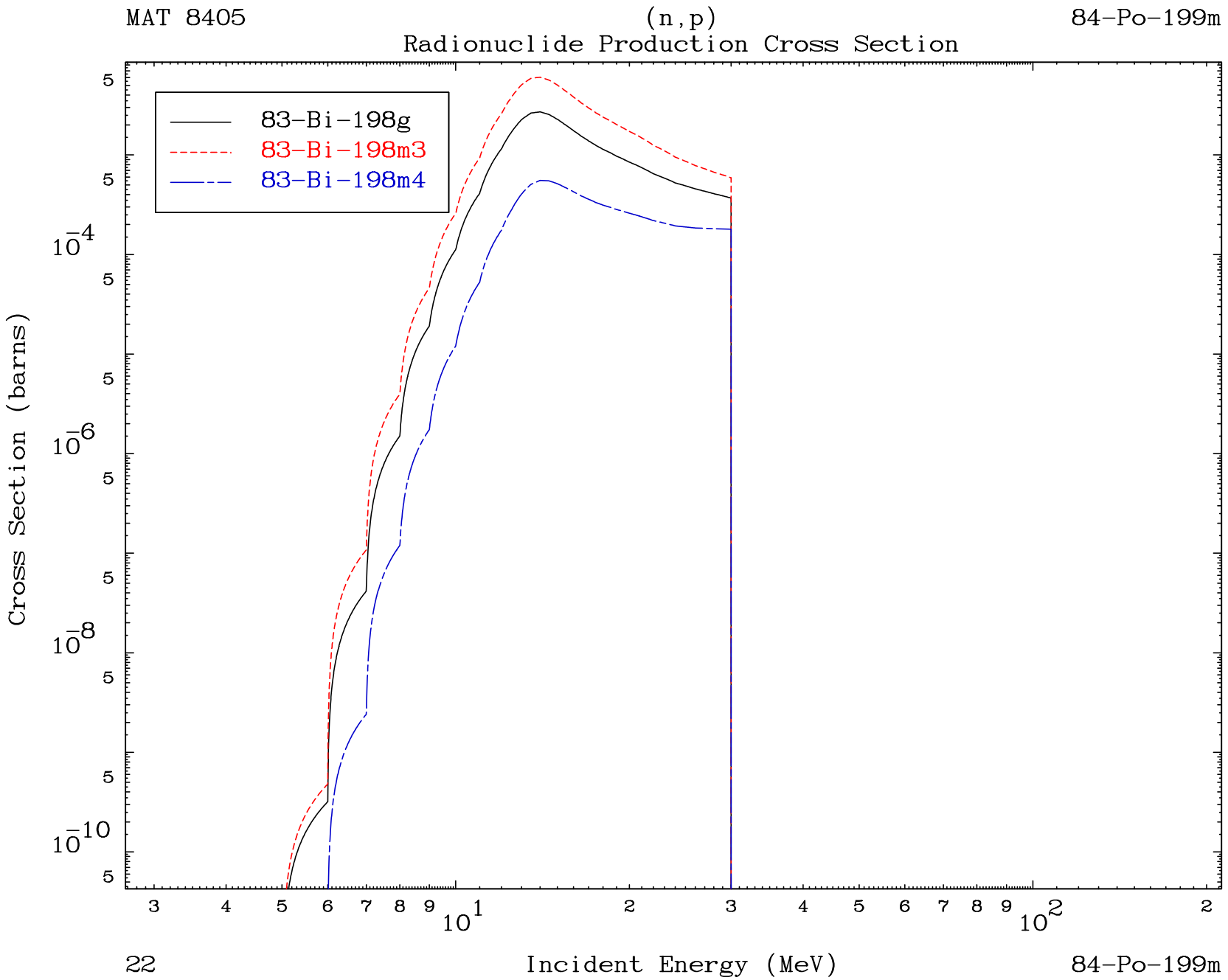

MAT 8405
(n,n') d
84-Po-199m
Radionuclide Production Cross Section
Cross Section (barns)
10-6
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
83-Bi-196g
83-Bi-196m2
83-Bi-196m3
17
Incident Energy (MeV)
84-Po-199m

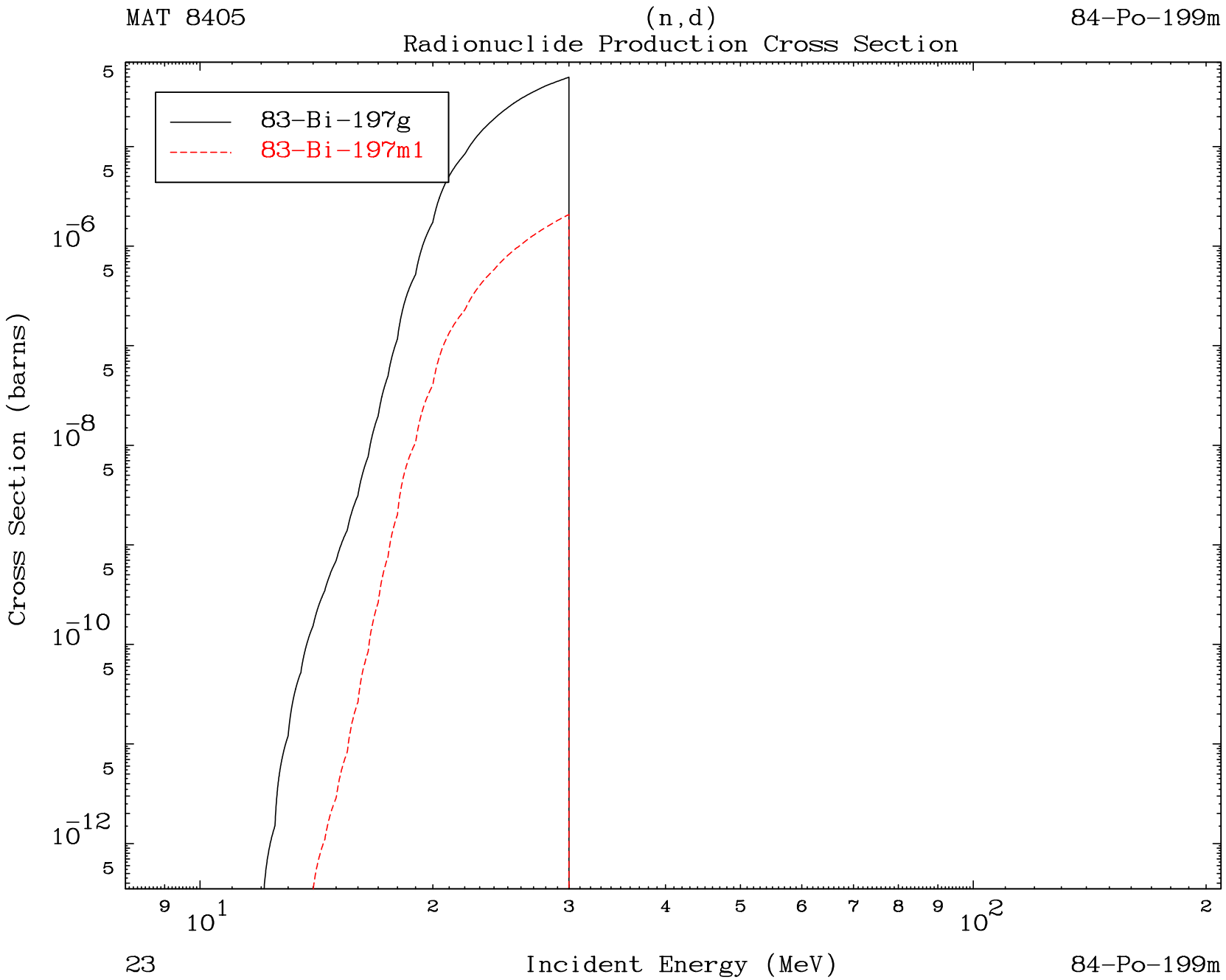

MAT 8405
(n,n') t
84-Po-199m
Radionuclide Production Cross Section
83-Bi-195g
83-Bi-195m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
84-Po-199m

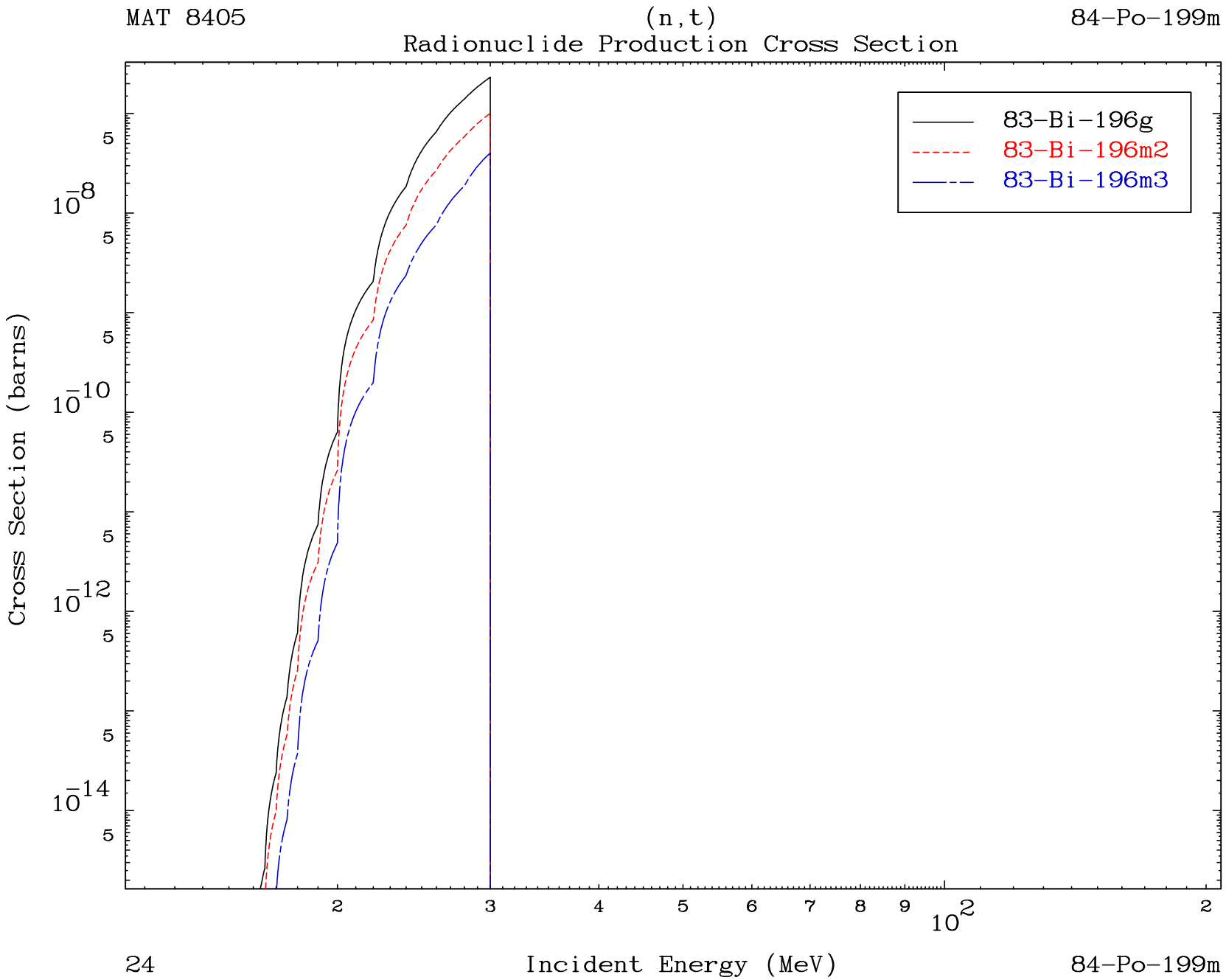

MAT 8405
(n,2n) p
84-Po-199m
Radionuclide Production Cross Section
83-Bi-196g
83-Bi-196m2
83-Bi-196m3
Cross Section (barns)
Incident Energy (MeV)
19
84-Po-199m

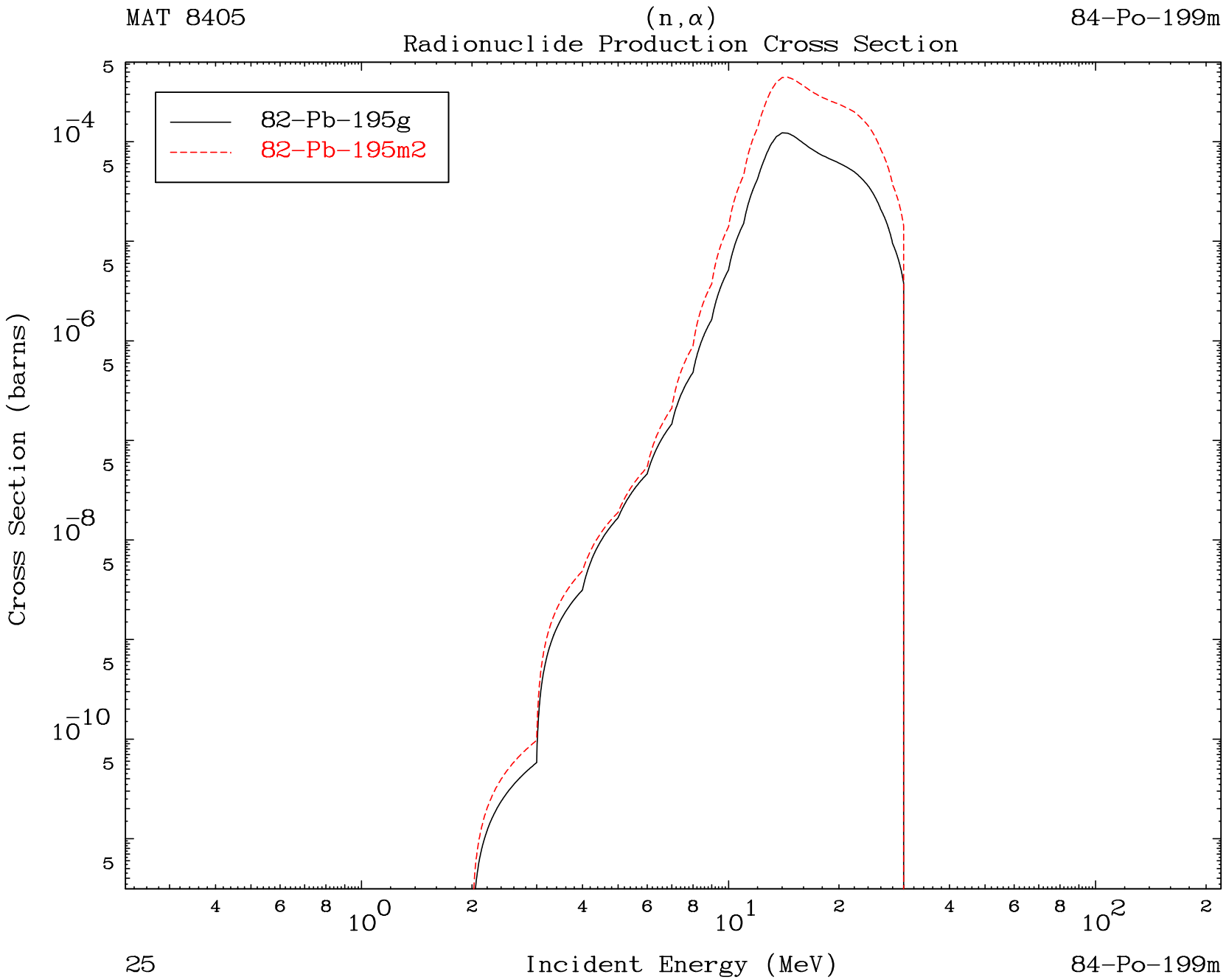

MAT 8405
(n,n') p α
84-Po-199m
Radionuclide Production Cross Section
81-Tl-193g
81-Tl-193m2
Cross Section (barns)
Incident Energy (MeV)
20
84-Po-199m

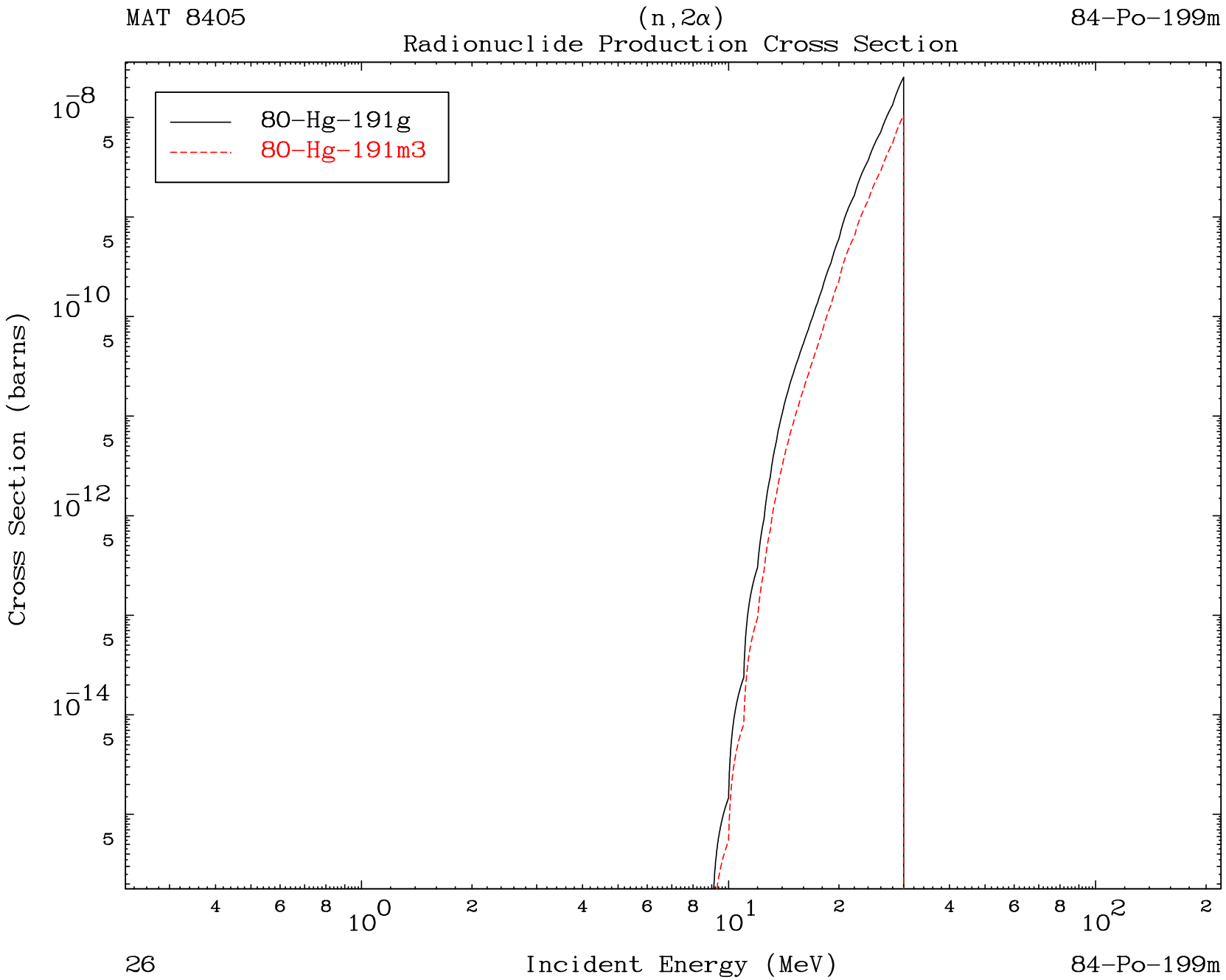

MAT 8405
(n,γ)
84-Po-199m
Radionuclide Production Cross Section
84-Po-199g
84-Po-199m2
Cross Section (barns)
Incident Energy (MeV)
21
84-Po-199m

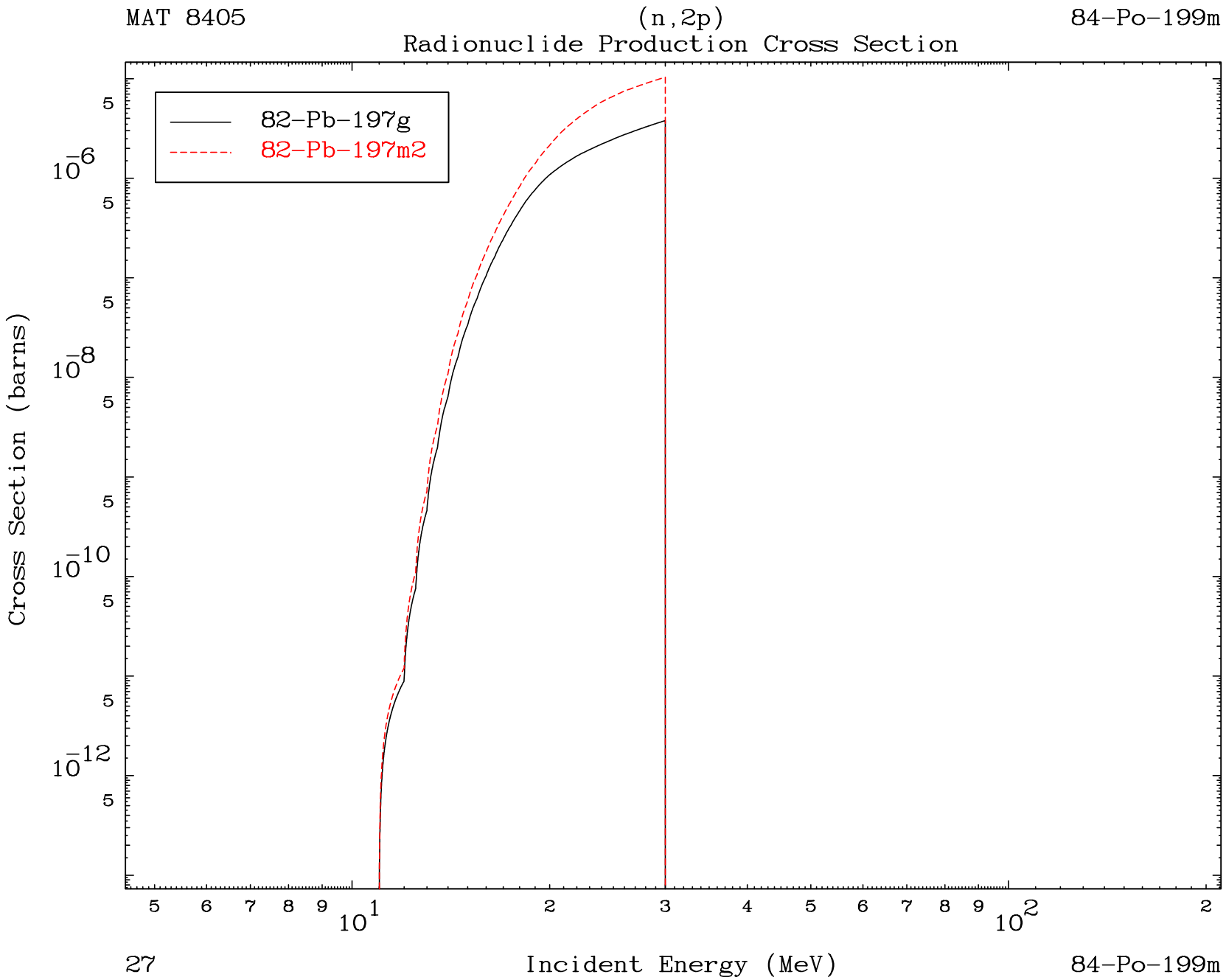

MAT 8405
(n,p)
84-Po-199m
Radionuclide Production Cross Section
83-Bi-198g
83-Bi-198m3
83-Bi-198m4
Cross Section (barns)
Incident Energy (MeV)
22
84-Po-199m

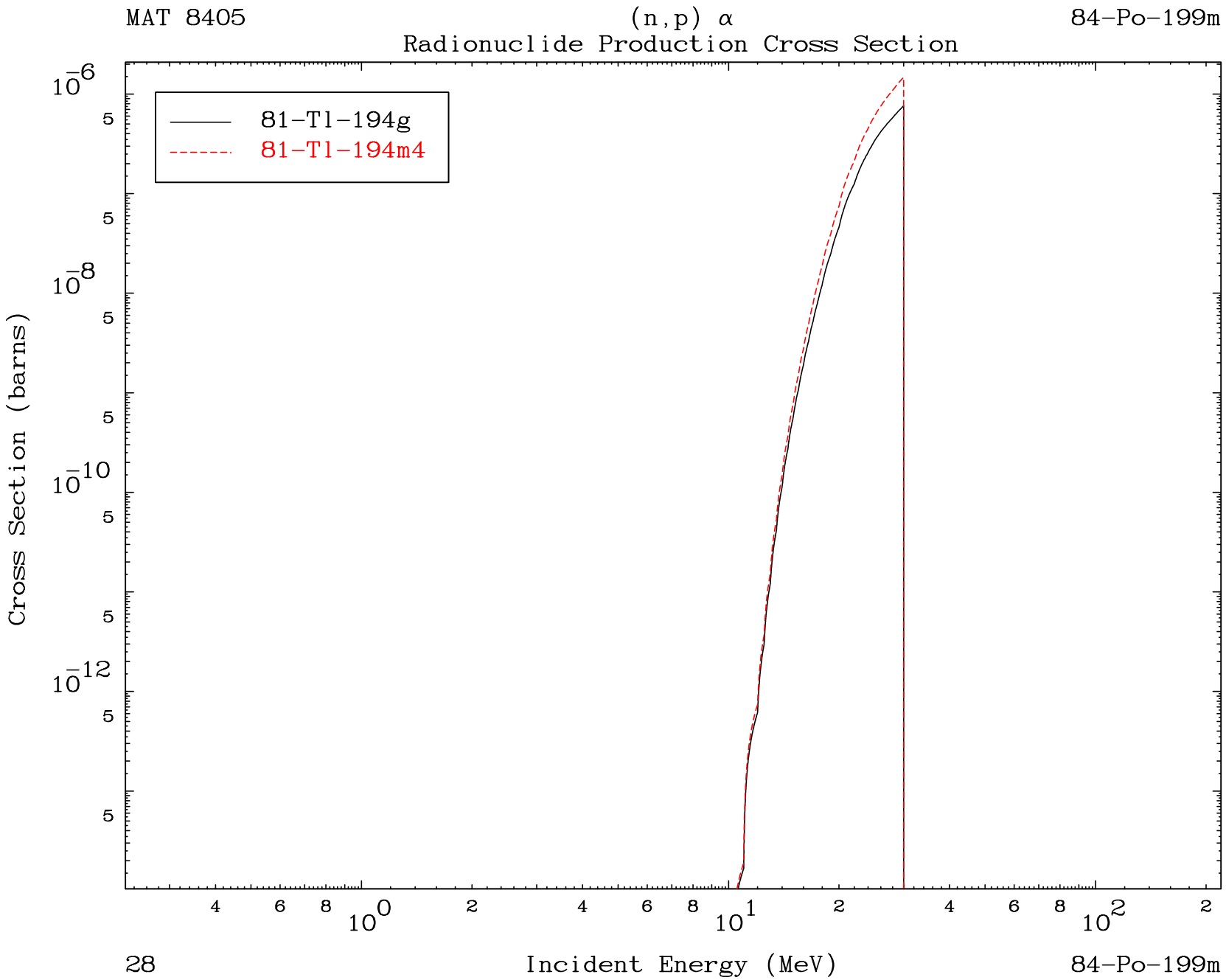

MAT 8405
(n,d)
84-Po-199m
Radionuclide Production Cross Section
83-Bi-197g
83-Bi-197m1
Cross Section (barns)
Incident Energy (MeV)
23
84-Po-199m

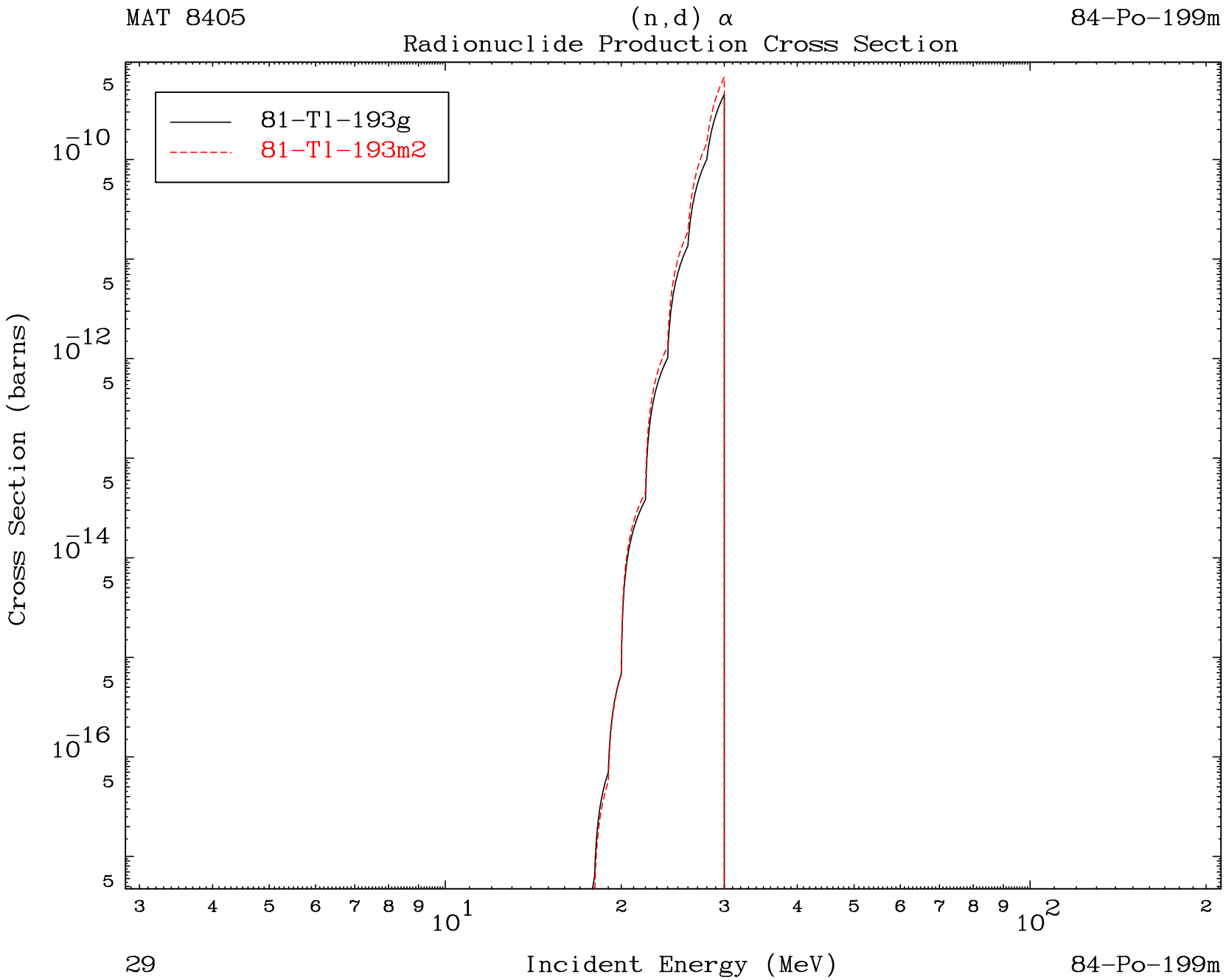

MAT 8405
(n,t)
84-Po-199m
Radionuclide Production Cross Section
83-Bi-196g
83-Bi-196m2
83-Bi-196m3
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
24
Incident Energy (MeV)
84-Po-199m


MAT 8405
(n,α)
84-Po-199m
Radionuclide Production Cross Section
82-Pb-195g
82-Pb-195m2
Cross Section (barns)
Incident Energy (MeV)
25
84-Po-199m


MAT 8405
(n,2α)
84-Po-199m
Radionuclide Production Cross Section
80-Hg-191g
80-Hg-191m3
Cross Section (barns)
Incident Energy (MeV)
26
84-Po-199m


MAT 8405
(n,2p)
84-Po-199m
Radionuclide Production Cross Section
82-Pb-197g
82-Pb-197m2
Cross Section (barns)
Incident Energy (MeV)
27
84-Po-199m


MAT 8405
(n,p) α
84-Po-199m
Radionuclide Production Cross Section
81-Tl-194g
81-Tl-194m4
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
28
84-Po-199m


MAT 8405
(n,d) α
84-Po-199m
Radionuclide Production Cross Section
81-Tl-193g
81-Tl-193m2
Cross Section (barns)
Incident Energy (MeV)
29
84-Po-199m