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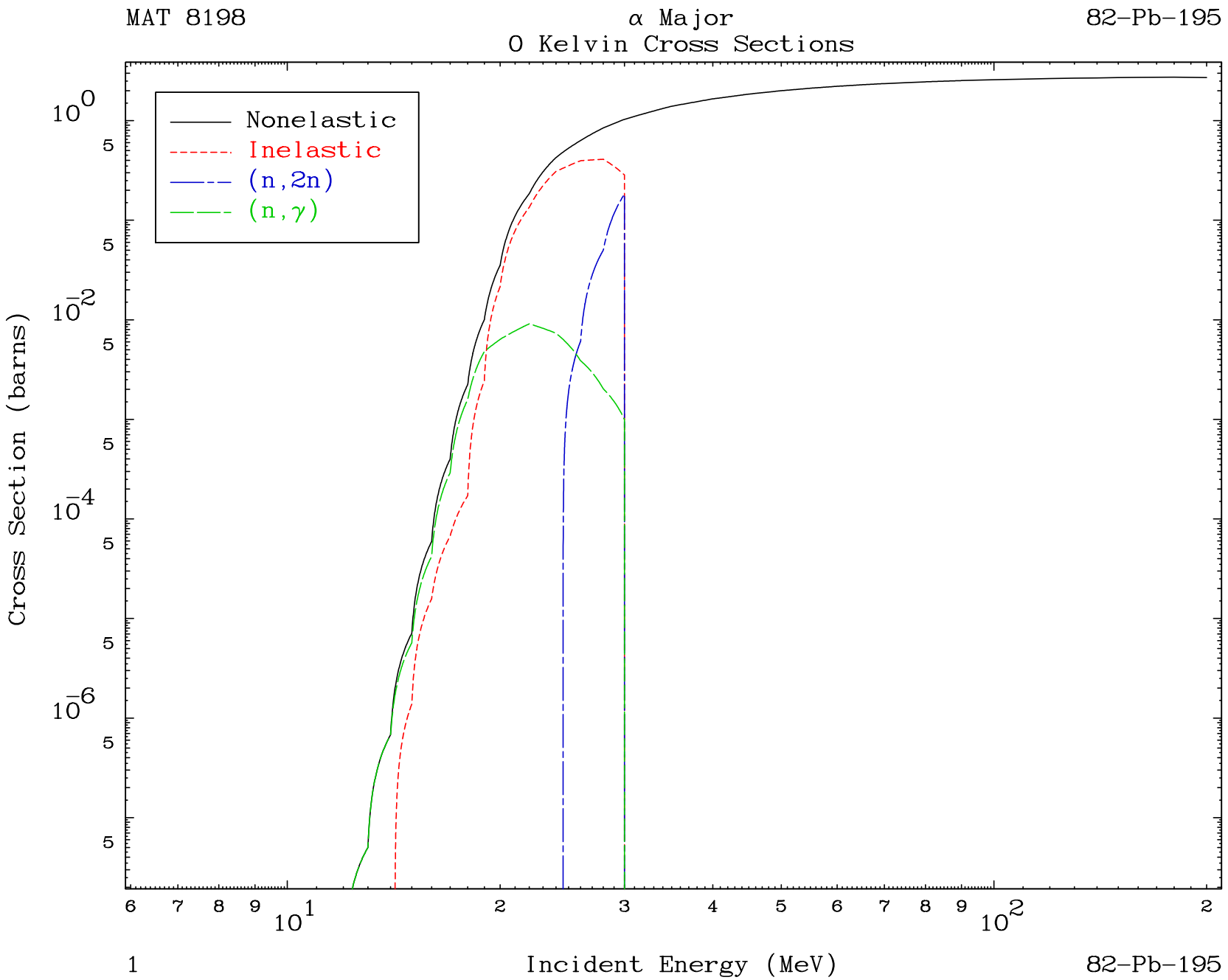
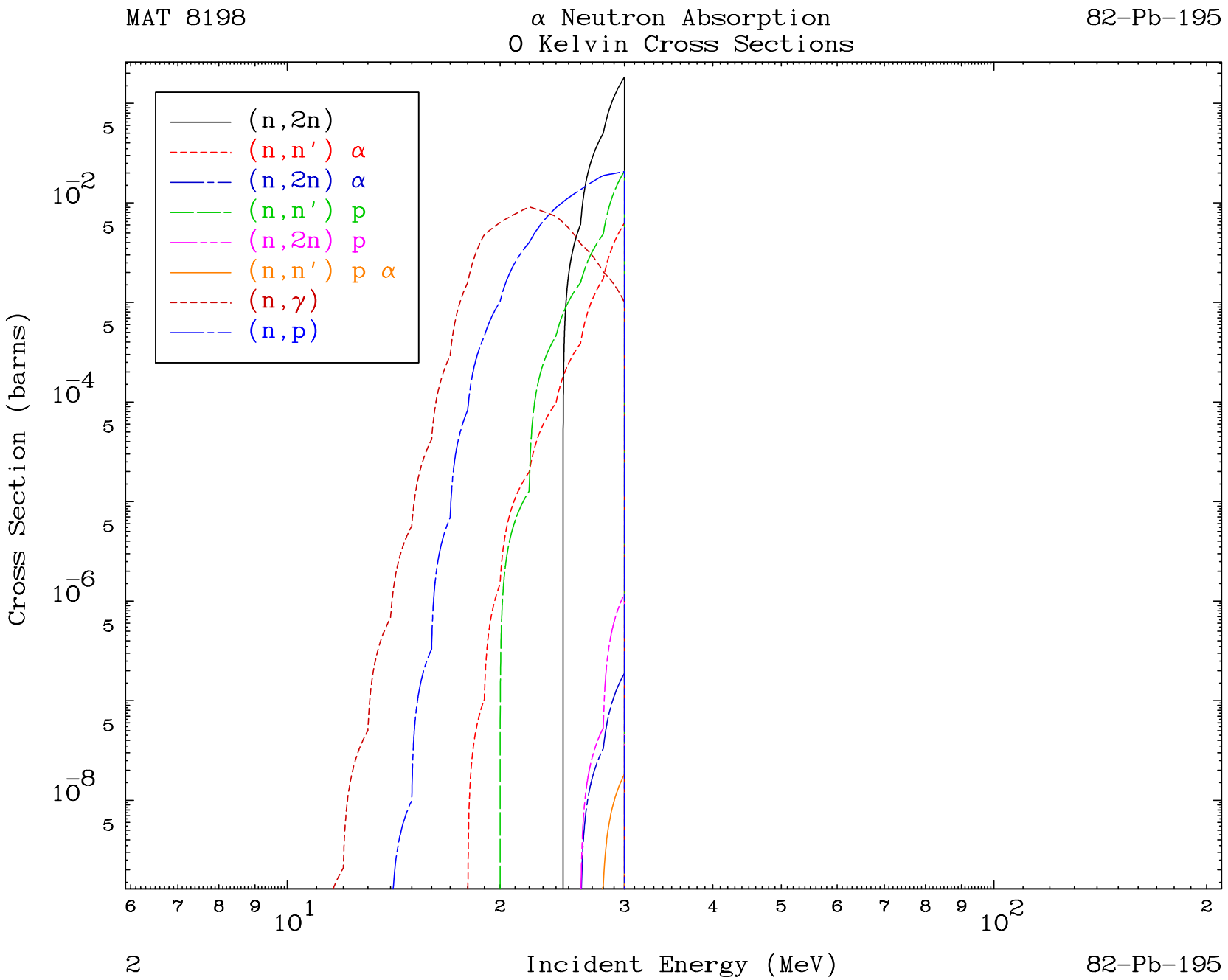
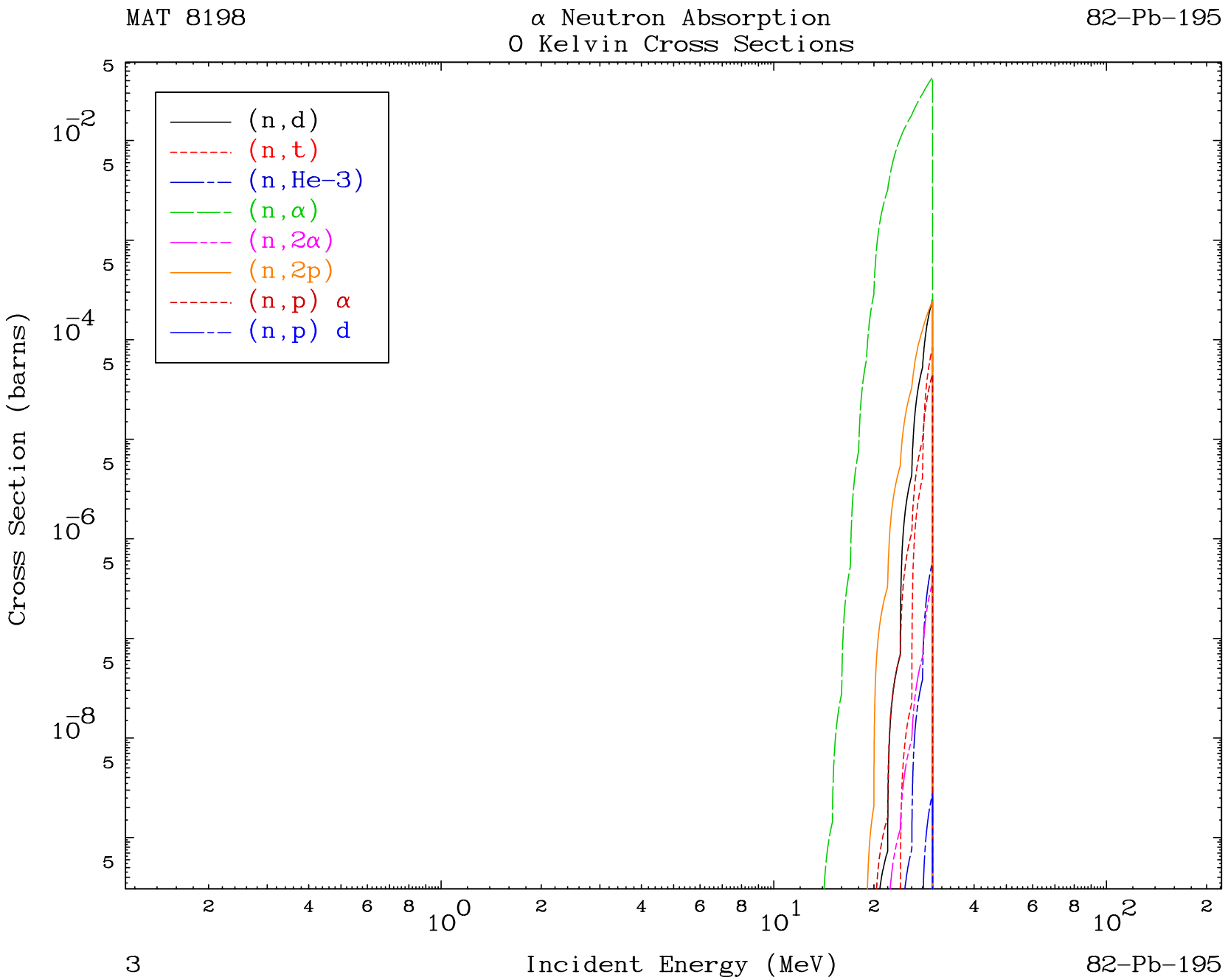
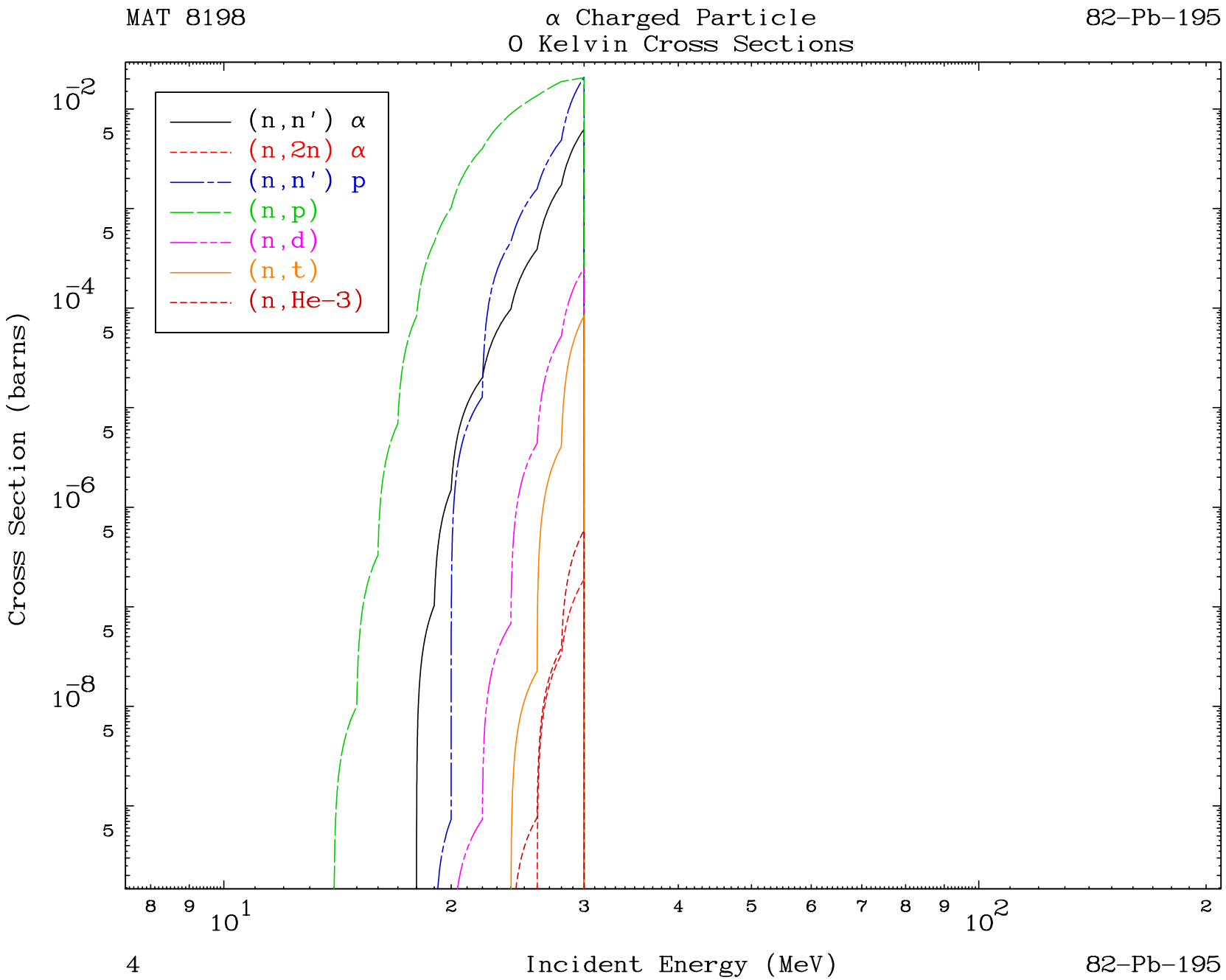
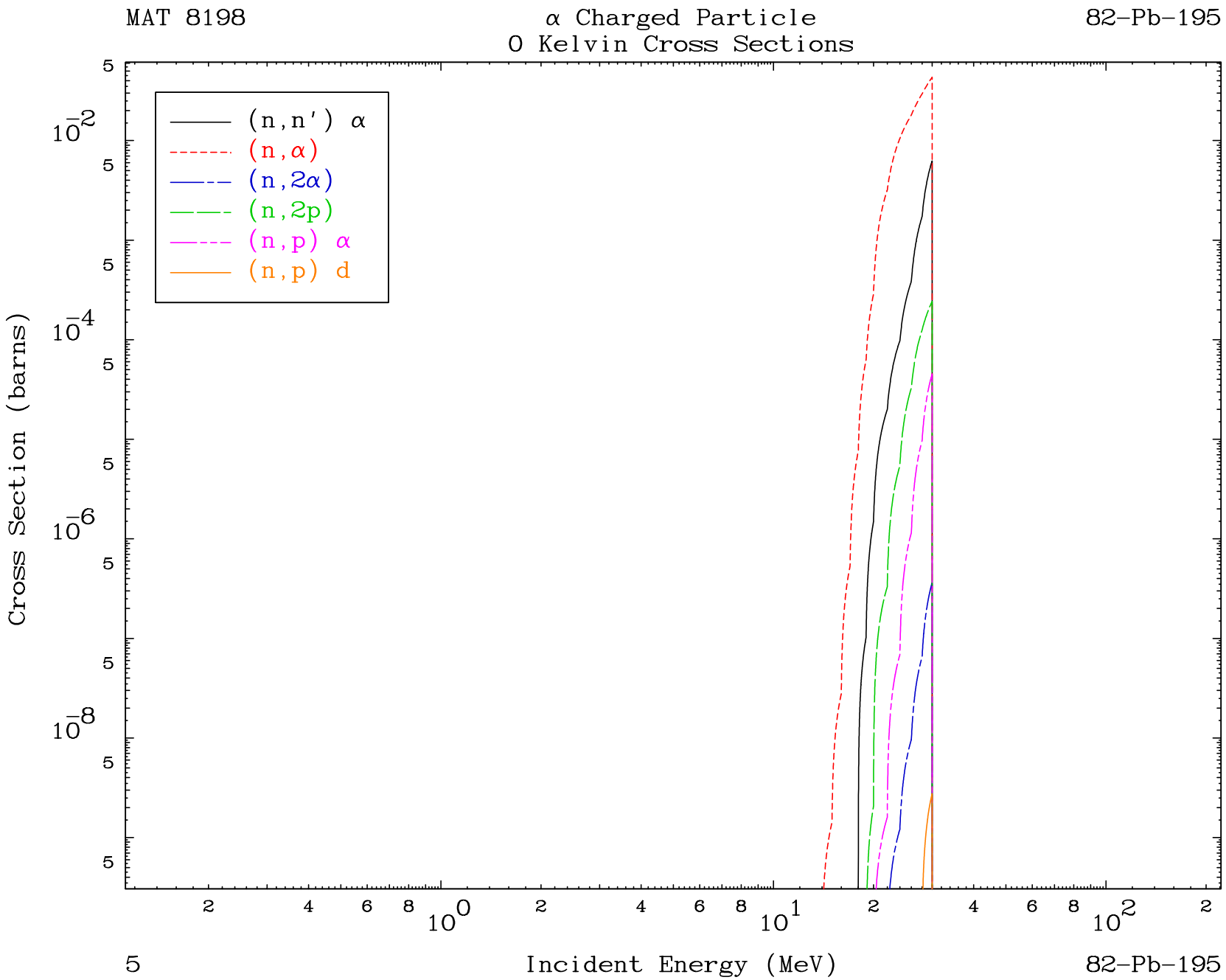
Press Mouse Button to Start

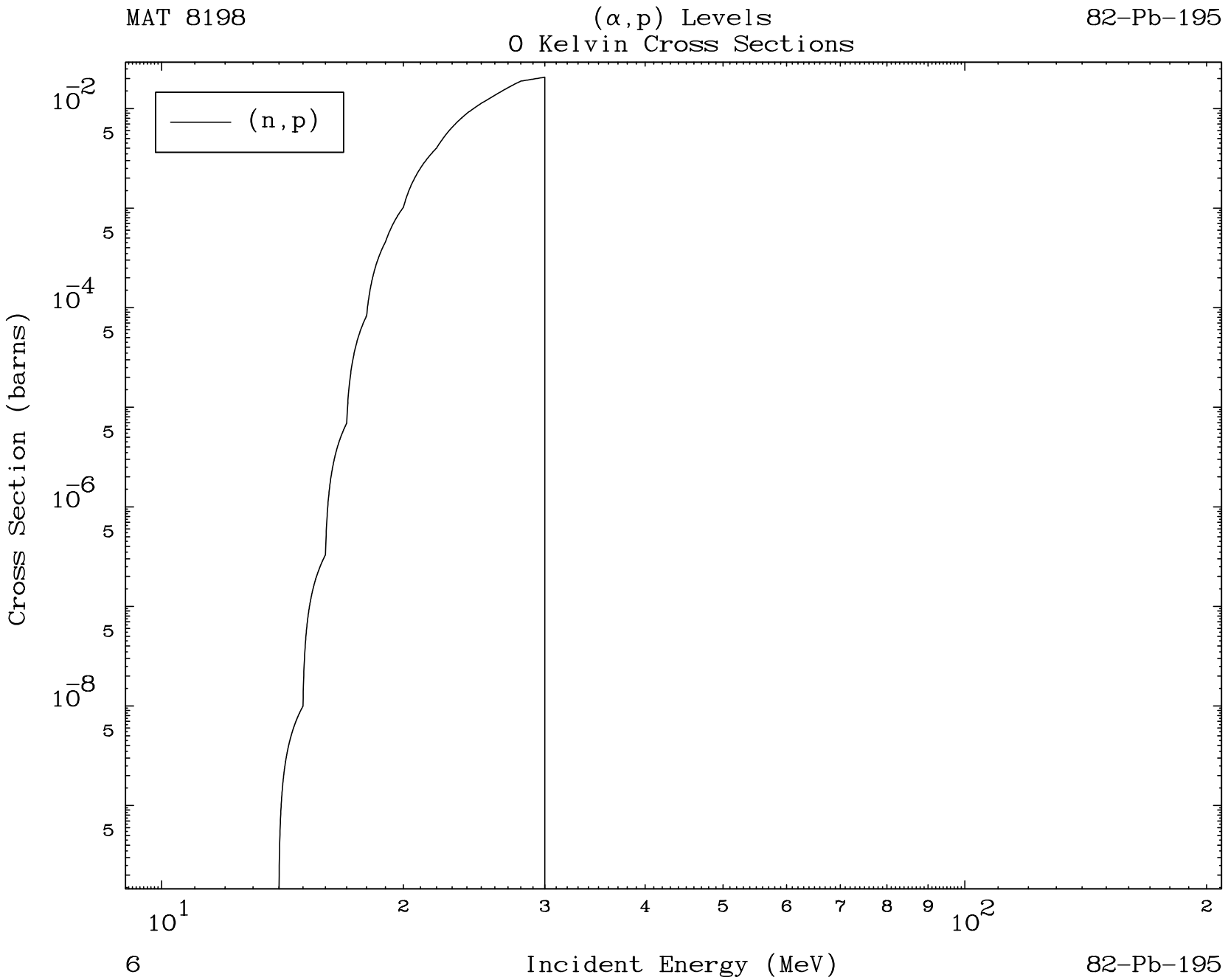

MAT 8198
α Major
82-Pb-195
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
82-Pb-195

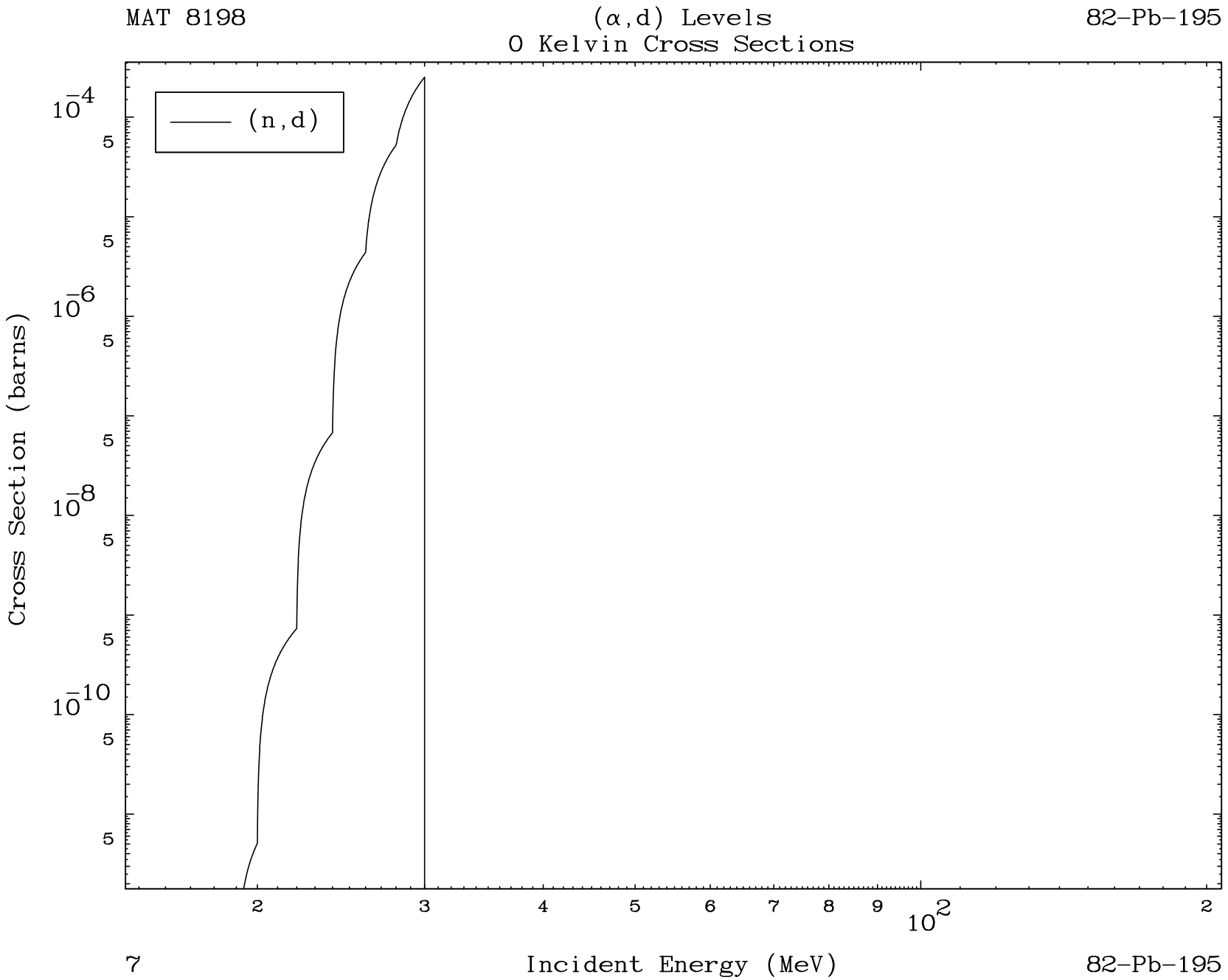

MAT 8198
α Neutron Absorption
0 Kelvin Cross Sections
82-Pb-195
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
82-Pb-195

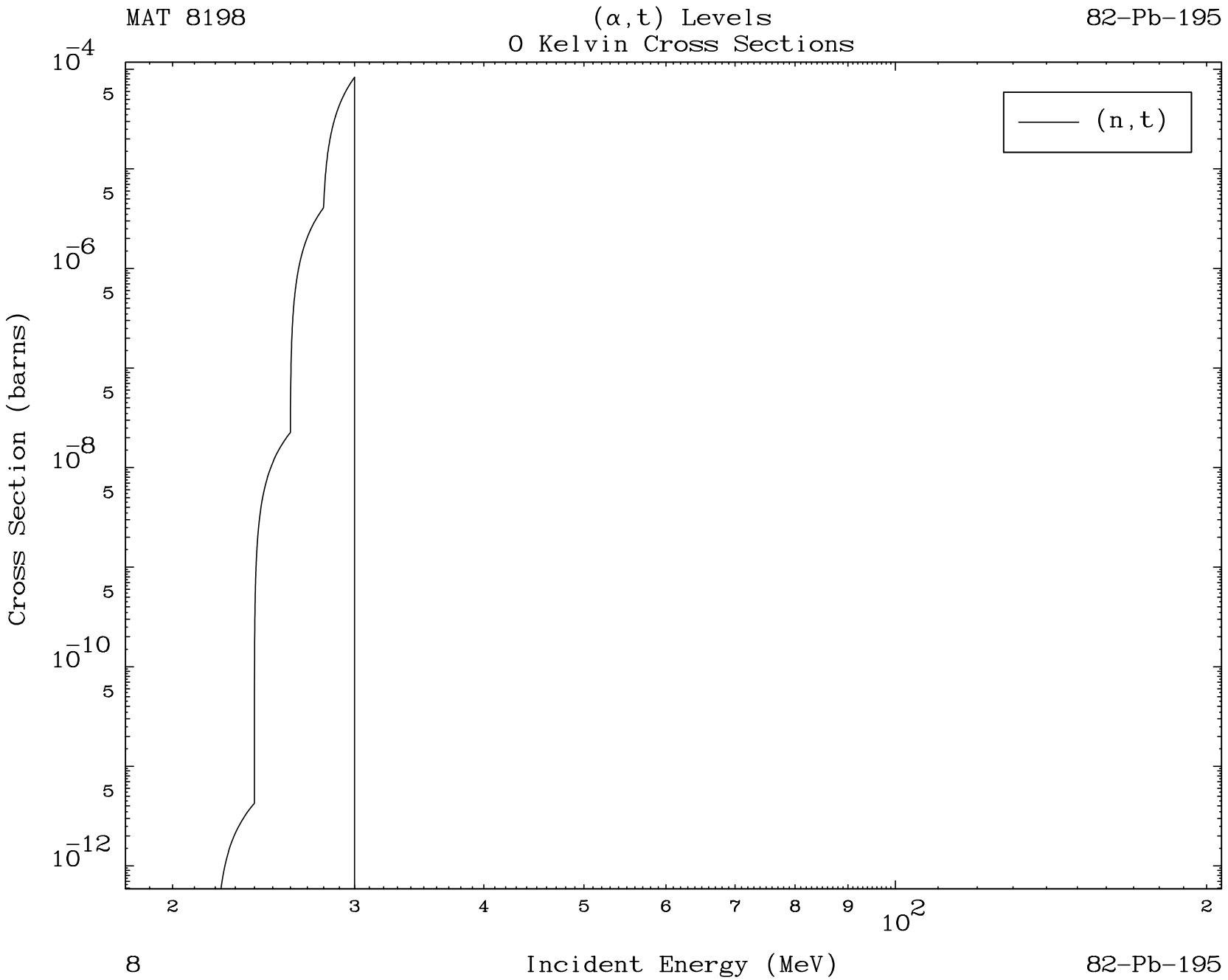

MAT 8198
α Neutron Absorption
0 Kelvin Cross Sections
82-Pb-195
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
3
82-Pb-195

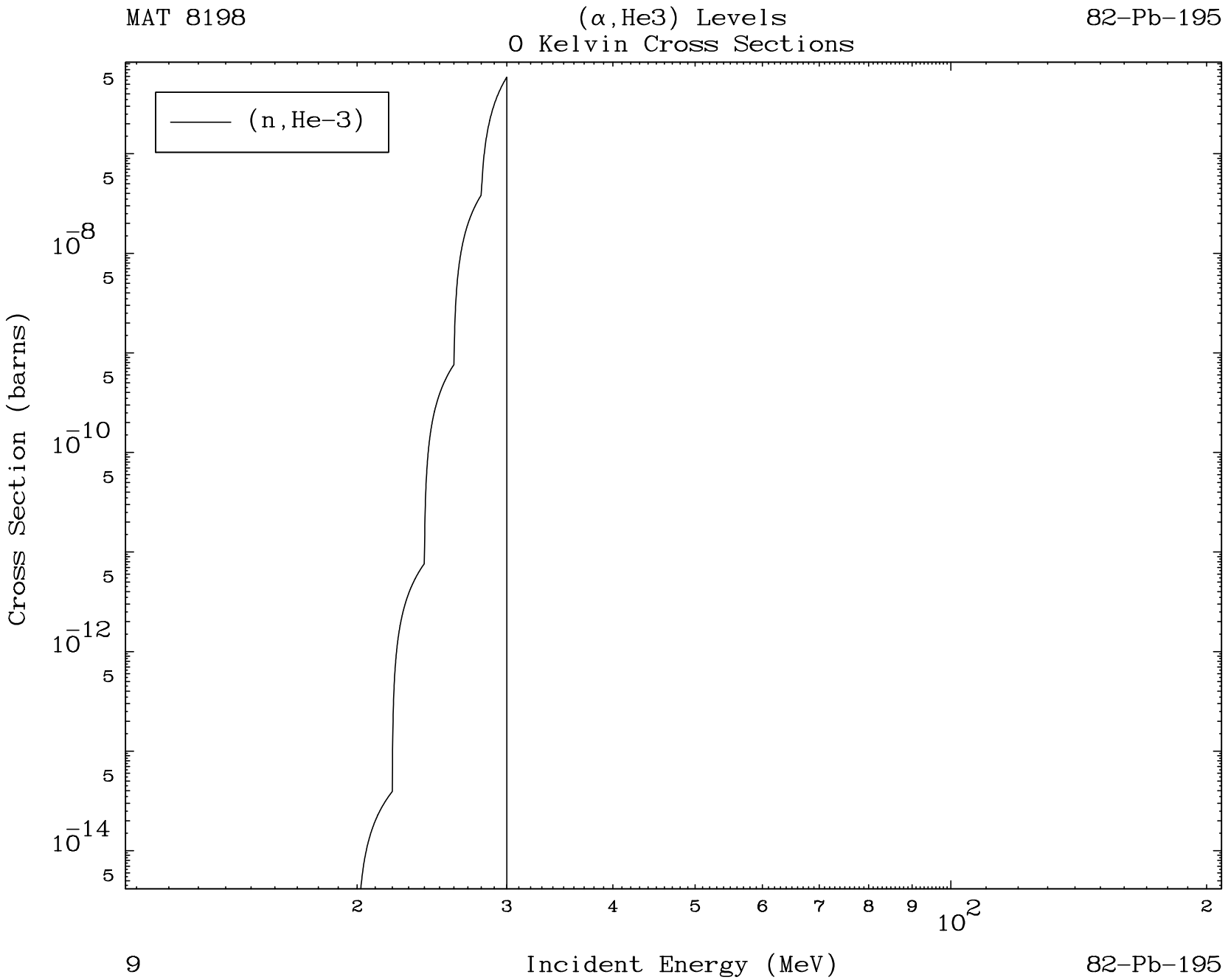

MAT 8198
α Charged Particle
0 Kelvin Cross Sections
82-Pb-195
(n,n') α
(n,2n) α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
4
82-Pb-195

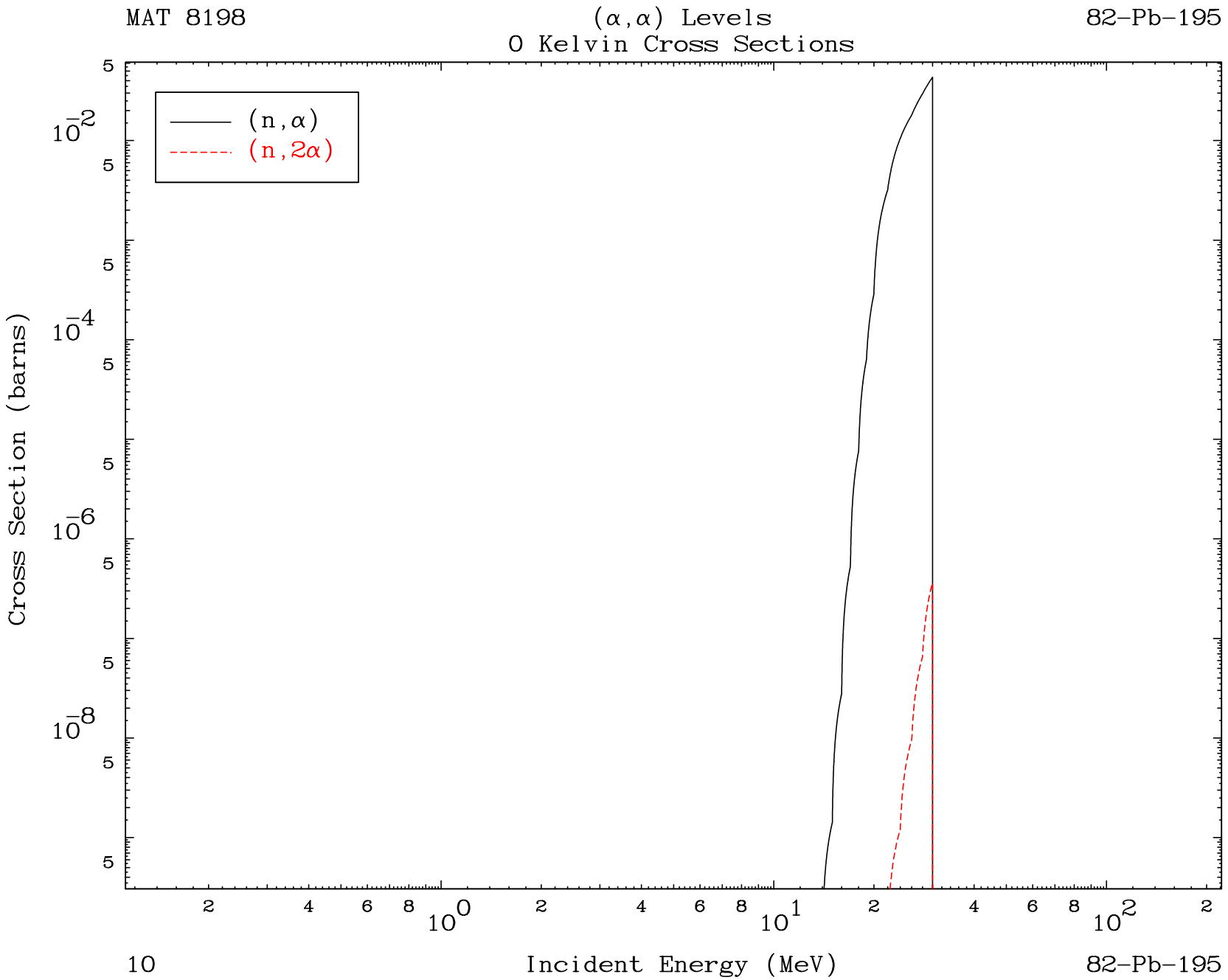

MAT 8198
α Charged Particle
0 Kelvin Cross Sections
82-Pb-195
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
82-Pb-195

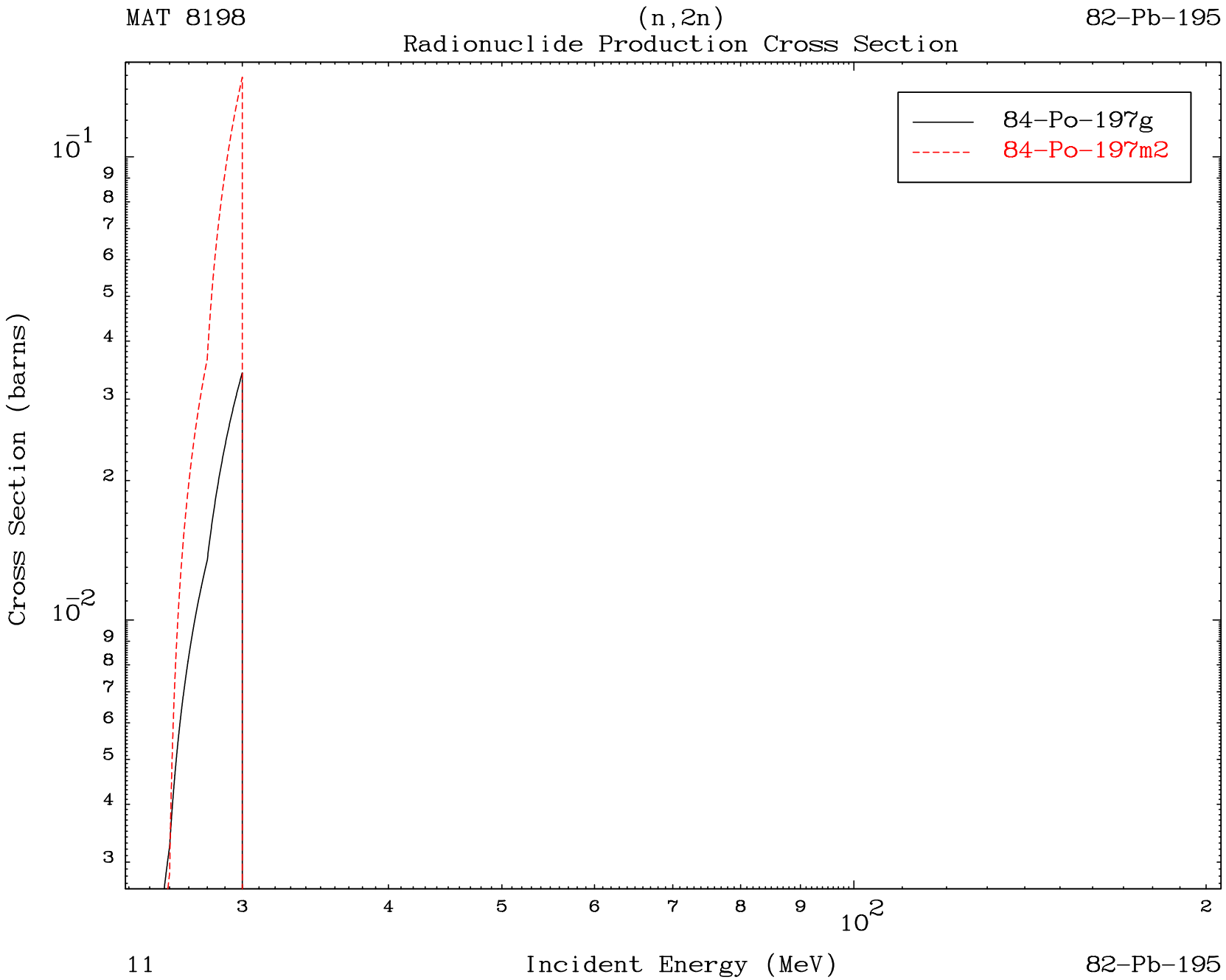

MAT 8198
(α,p) Levels
82-Pb-195
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
101
2
3
4
5
6
7
8
9
102
2
6
Incident Energy (MeV)
82-Pb-195

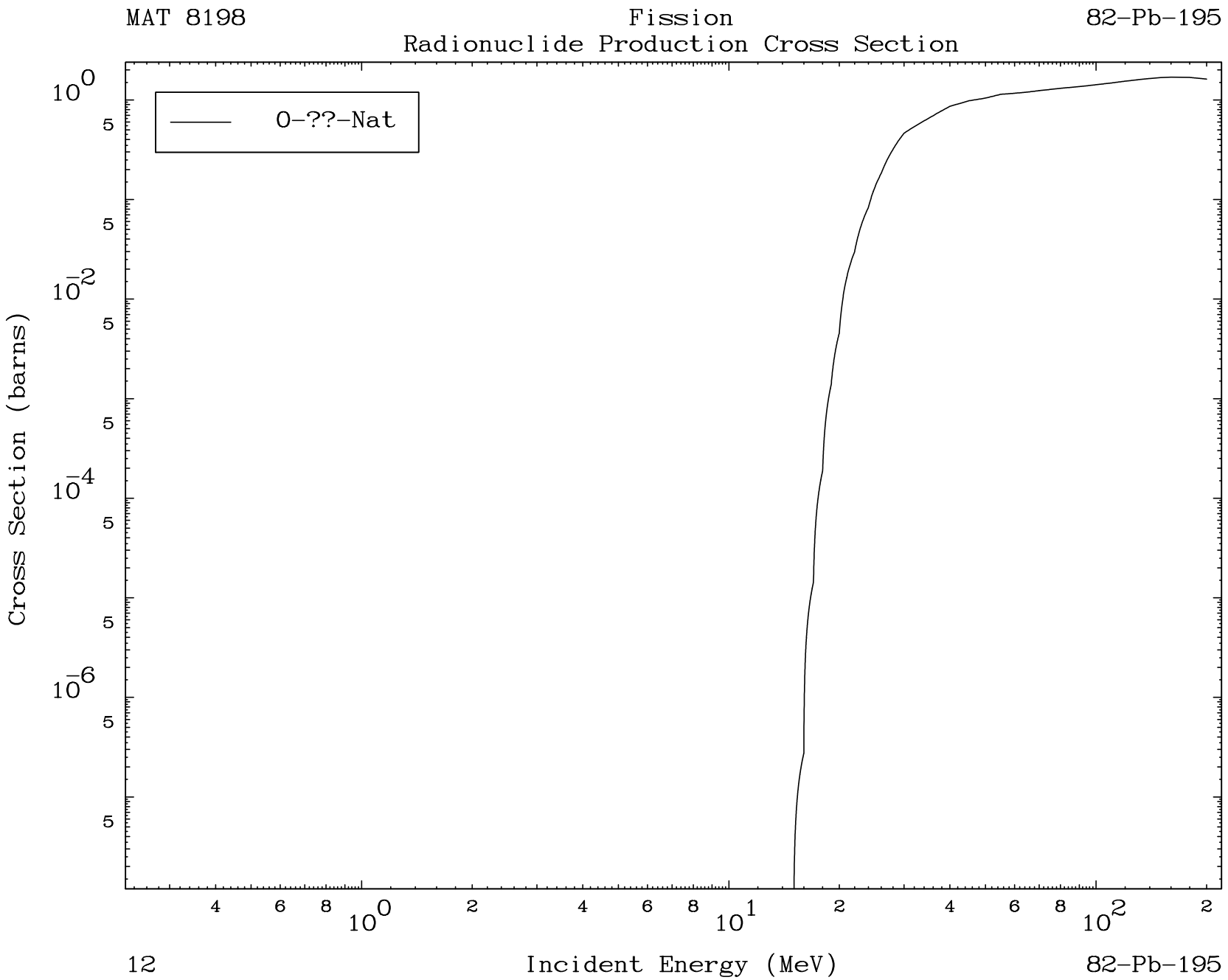

MAT 8198
(α,d) Levels
82-Pb-195
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
7
82-Pb-195

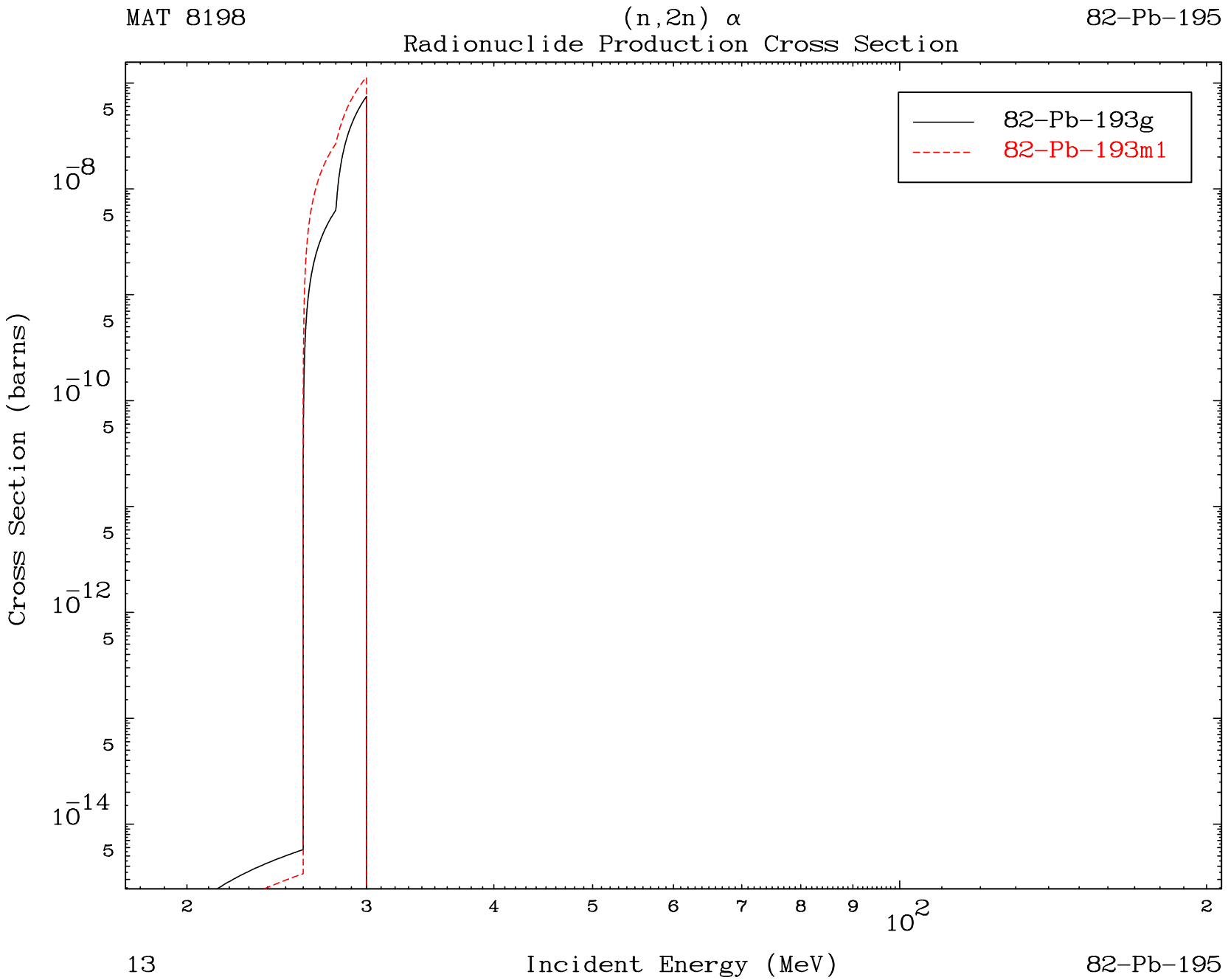

MAT 8198
(α,t) Levels
82-Pb-195
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

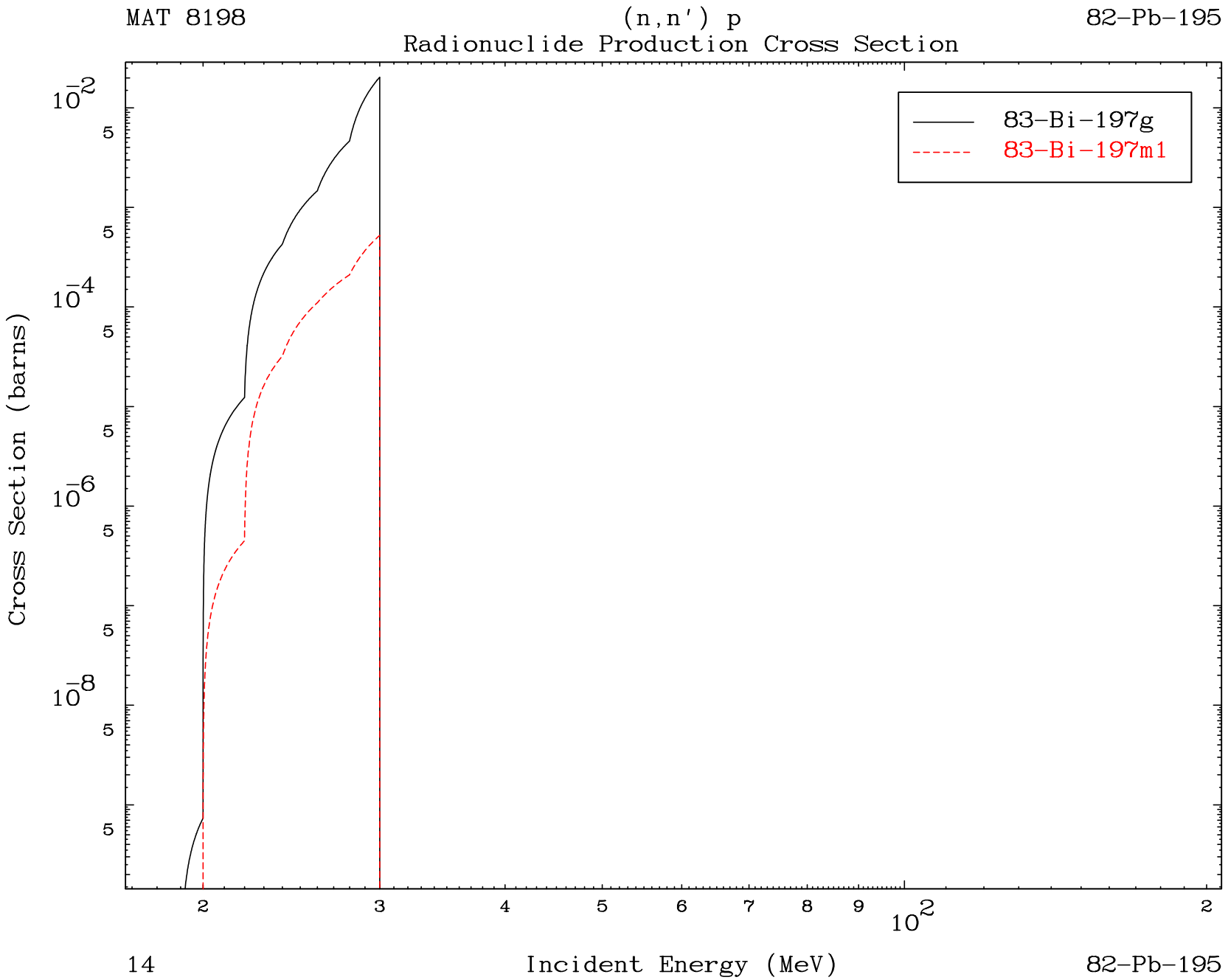

MAT 8198
(α,He3) Levels
82-Pb-195
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
82-Pb-195

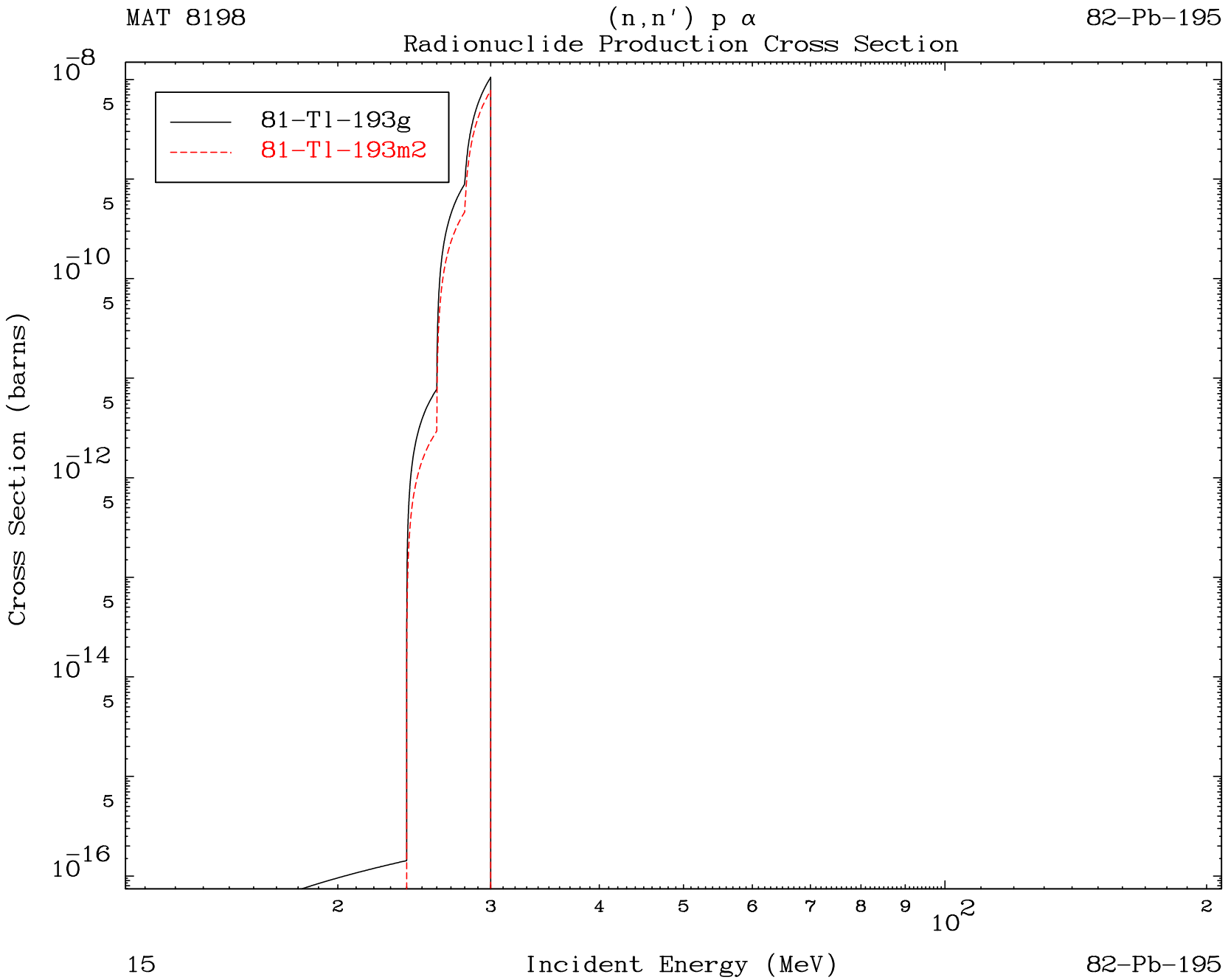

MAT 8198
(α,α) Levels
82-Pb-195
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
82-Pb-195

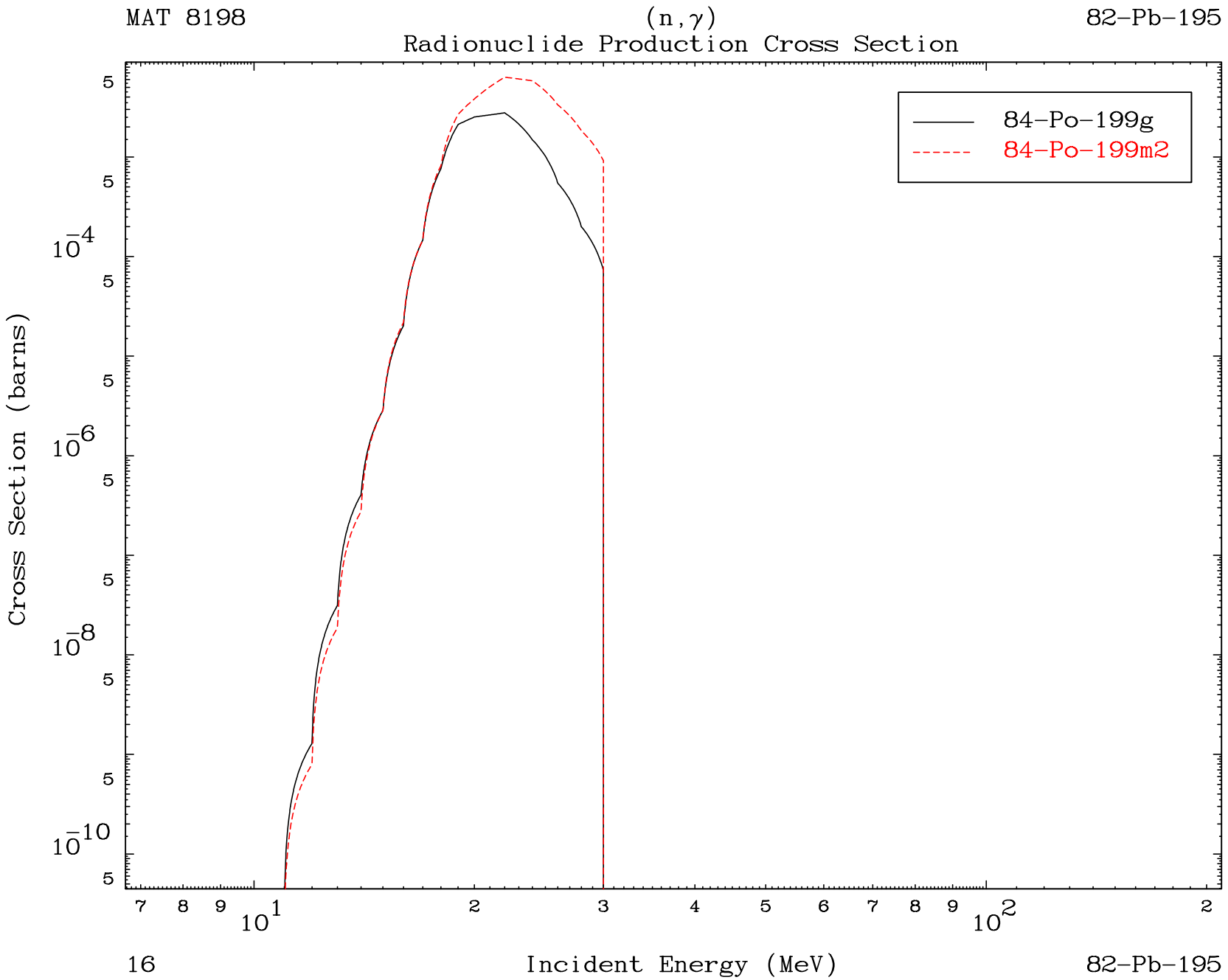

MAT 8198
(n,2n)
82-Pb-195
Radionuclide Production Cross Section
84-Po-197g
84-Po-197m2
Cross Section (barns)
Incident Energy (MeV)
11
82-Pb-195

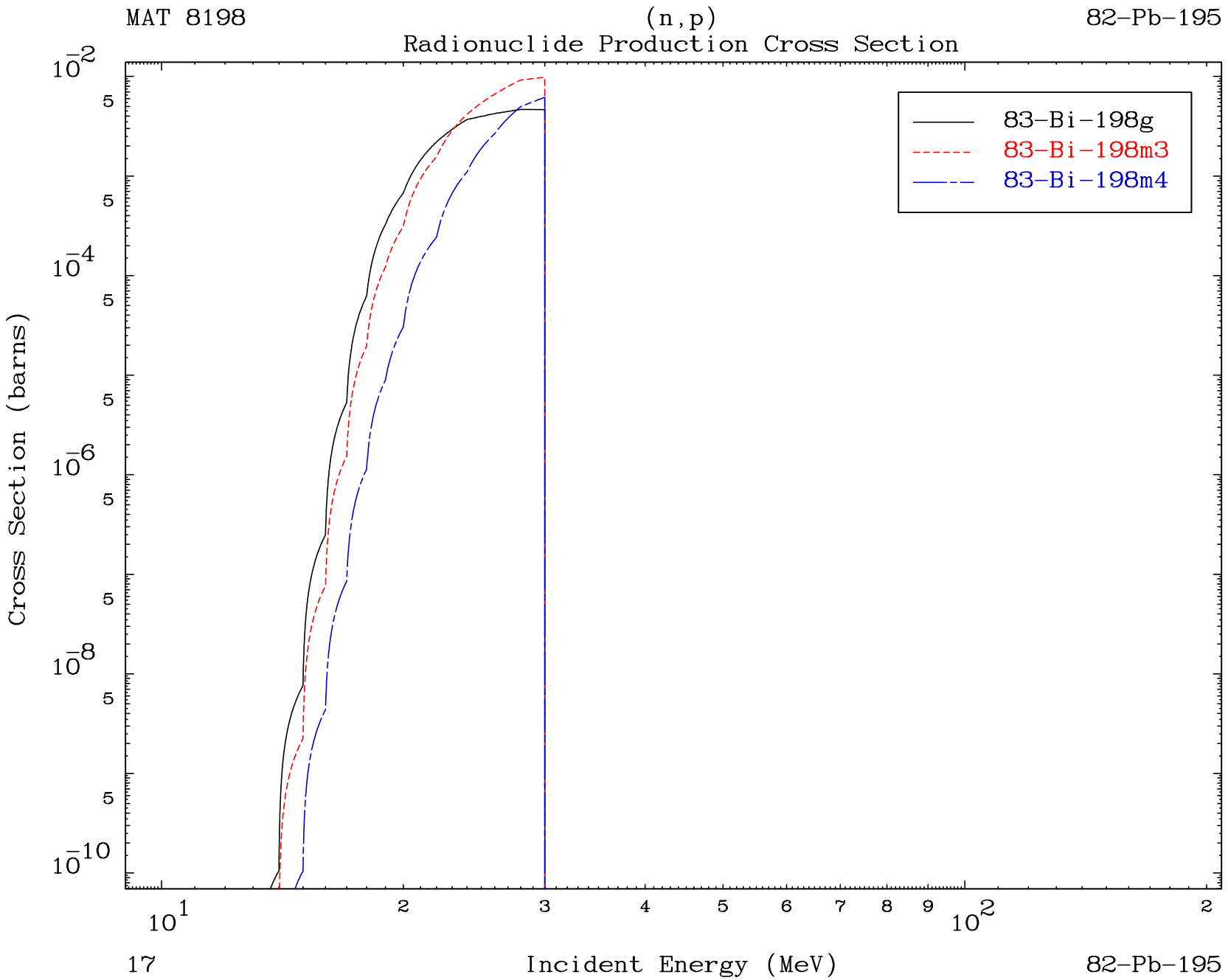

MAT 8198
Fission
82-Pb-195
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
82-Pb-195

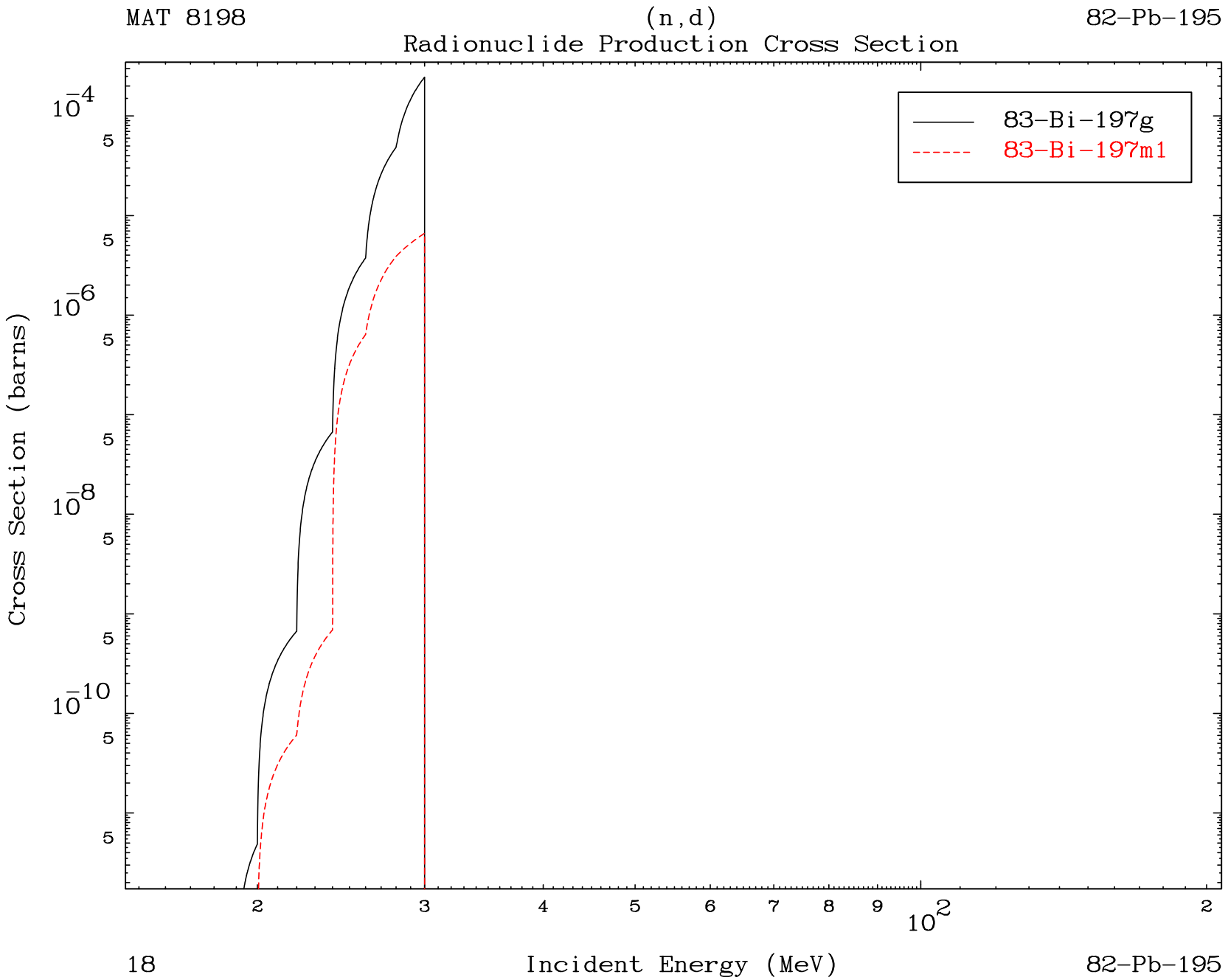

MAT 8198
(n,2n) α
82-Pb-195
Radionuclide Production Cross Section
82-Pb-193g
82-Pb-193m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
13
82-Pb-195

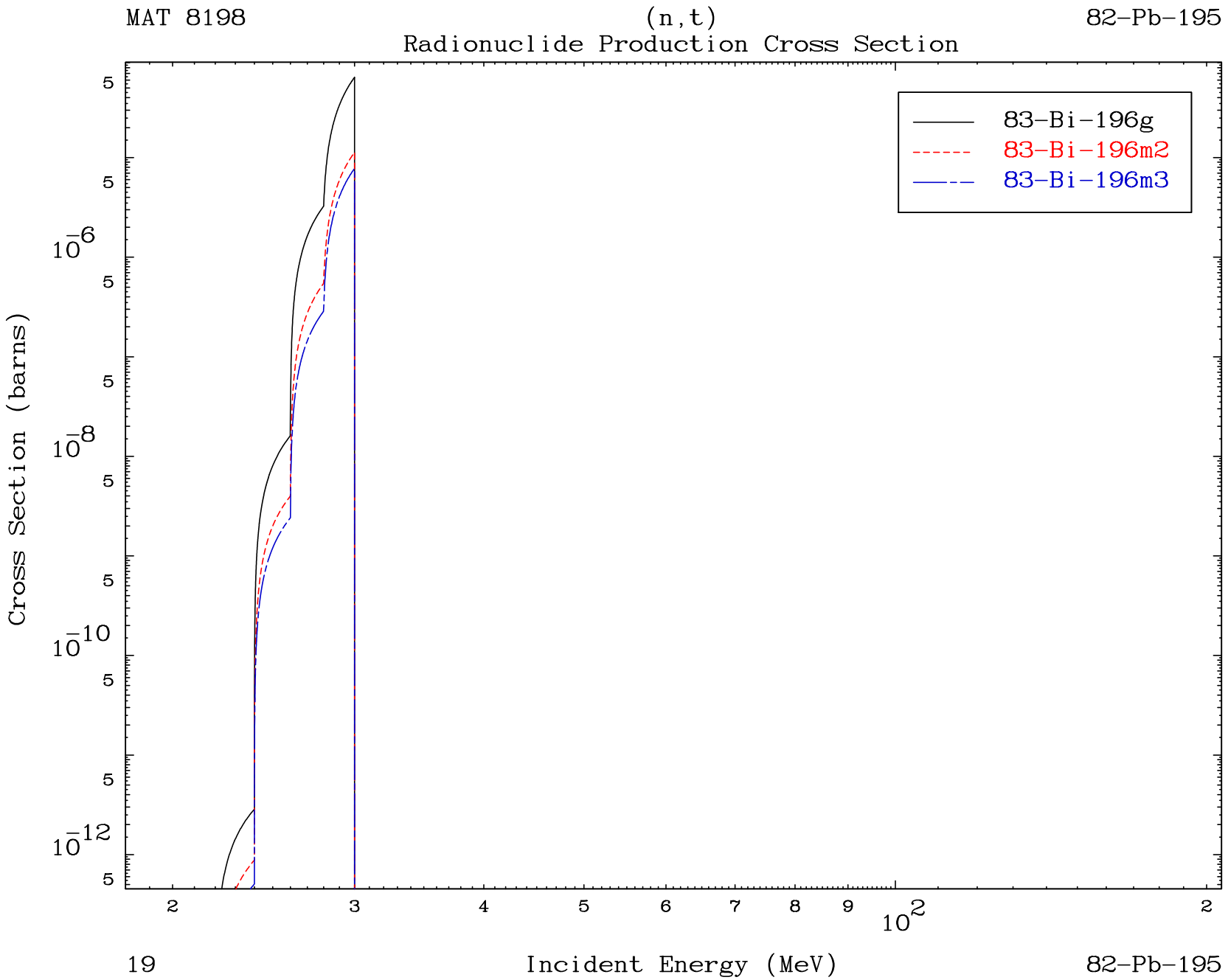

MAT 8198
(n,n') p
82-Pb-195
Radionuclide Production Cross Section
83-Bi-197g
83-Bi-197m1
Cross Section (barns)
Incident Energy (MeV)
14
82-Pb-195

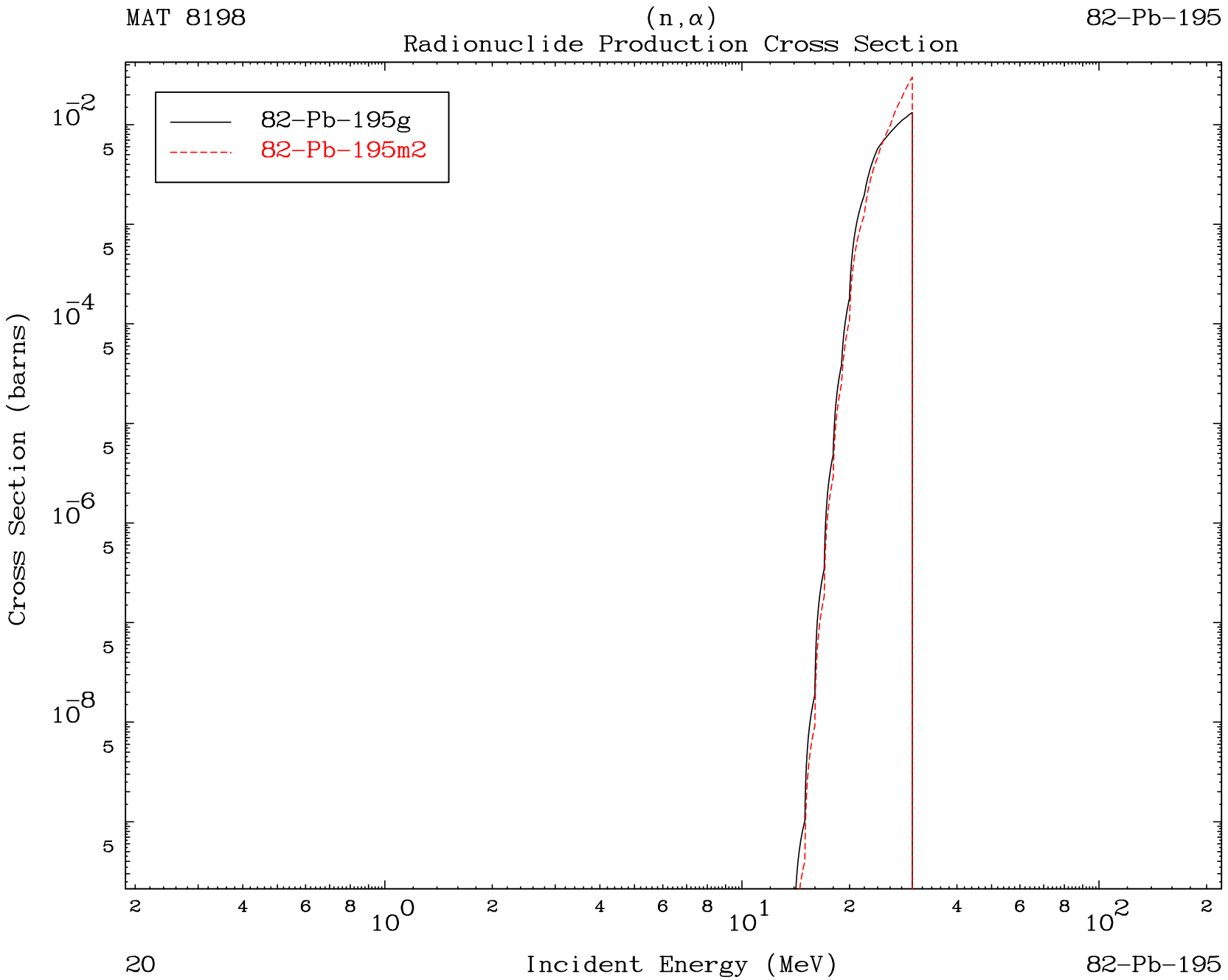

MAT 8198
(n,n') p α
82-Pb-195
Radionuclide Production Cross Section
81-Tl-193g
81-Tl-193m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
10^-16
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
15
82-Pb-195

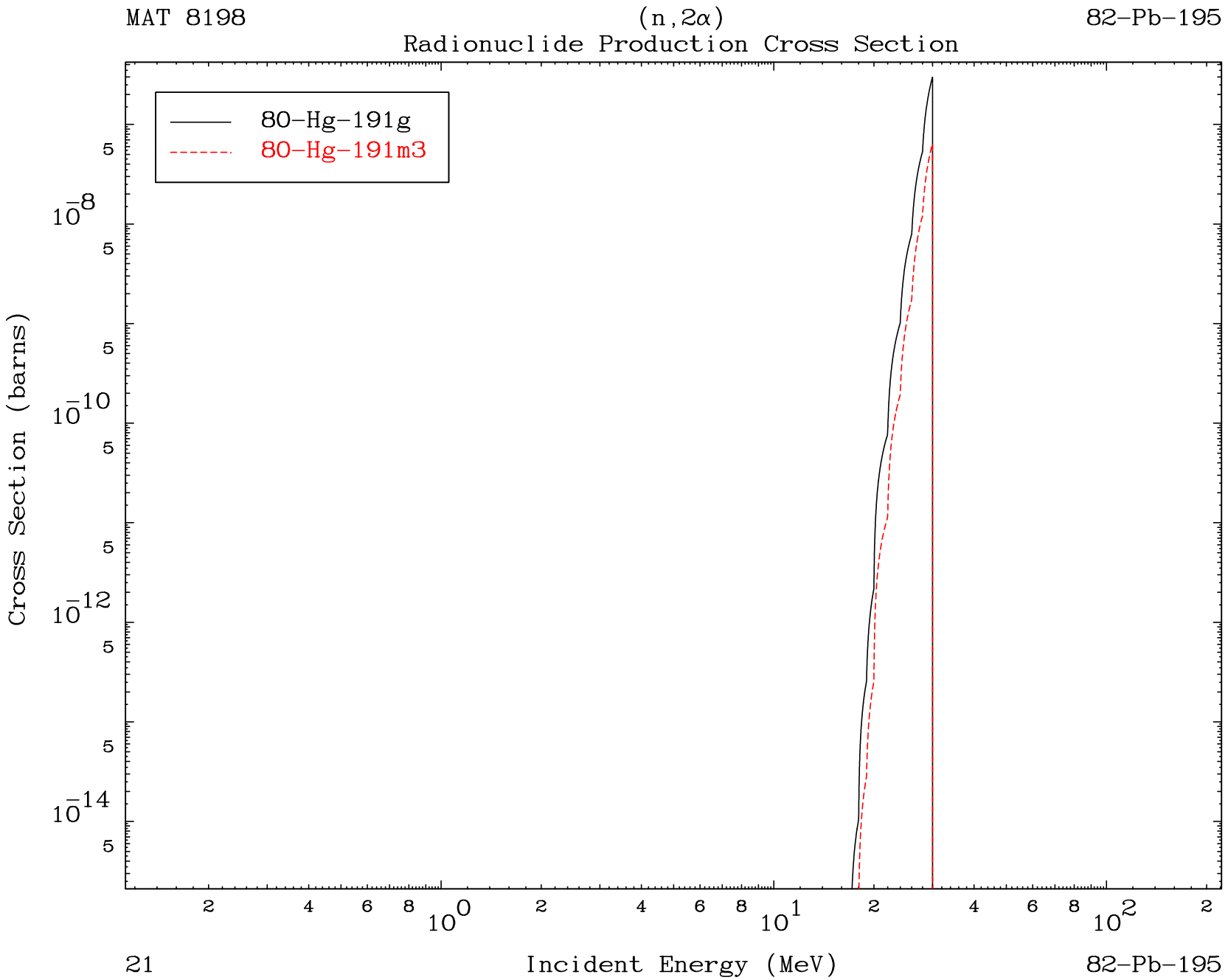

MAT 8198
(n,γ)
82-Pb-195
Radionuclide Production Cross Section
84-Po-199g
84-Po-199m2
Cross Section (barns)
Incident Energy (MeV)
16
82-Pb-195

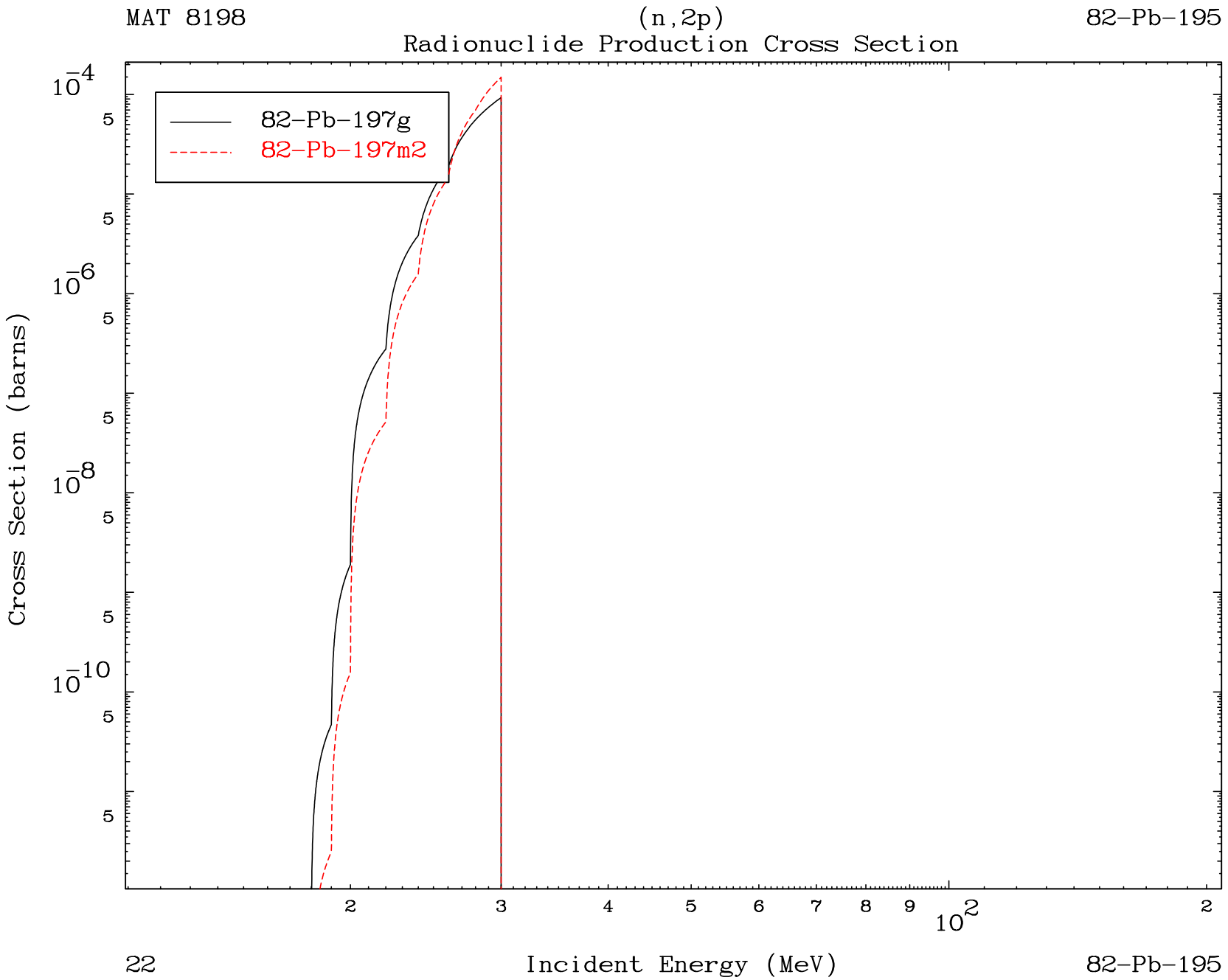

MAT 8198
(n,p)
82-Pb-195
Radionuclide Production Cross Section
83-Bi-198g
83-Bi-198m3
83-Bi-198m4
Cross Section (barns)
Incident Energy (MeV)
17
82-Pb-195

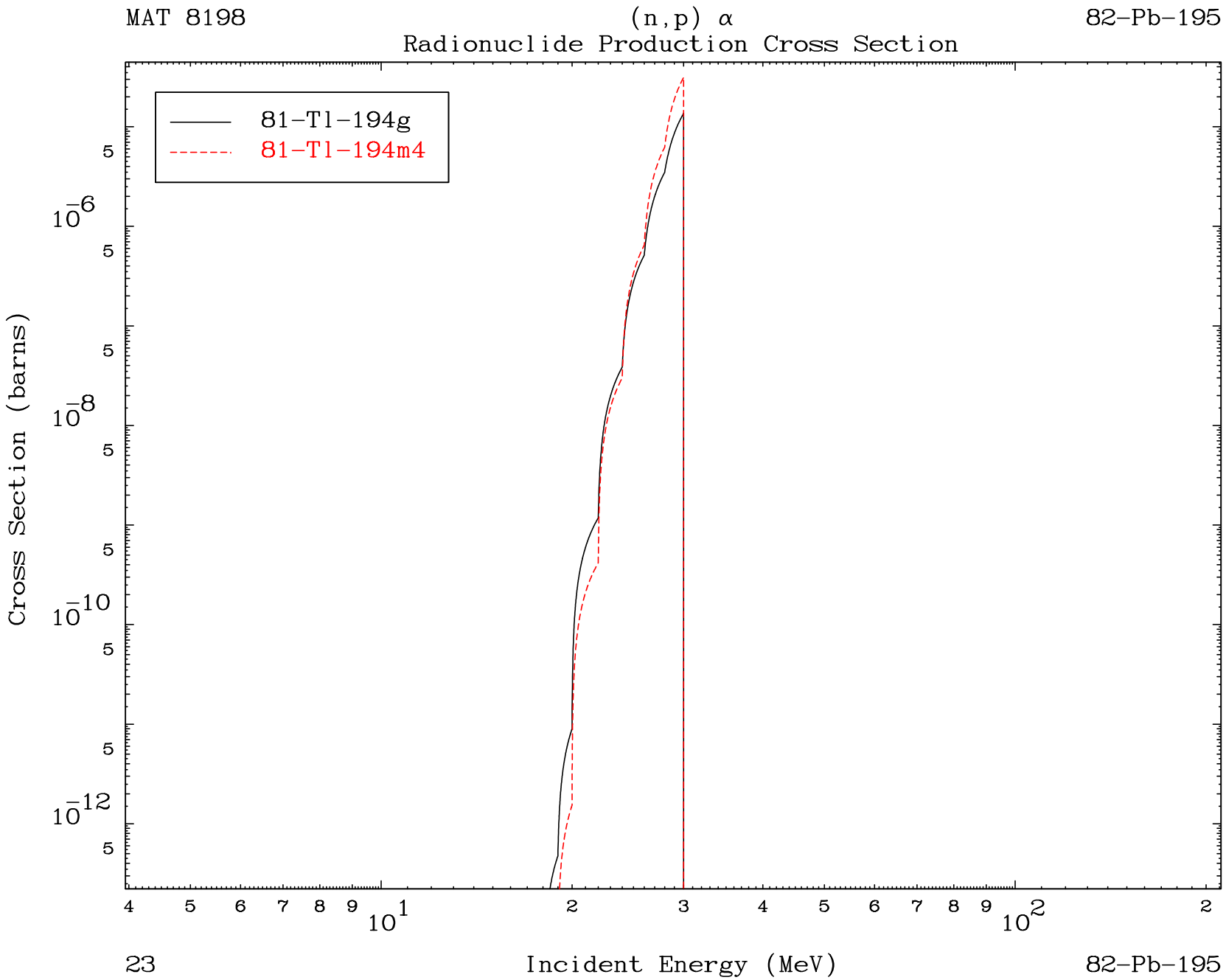

MAT 8198
(n,d)
82-Pb-195
Radionuclide Production Cross Section
83-Bi-197g
83-Bi-197m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
18
82-Pb-195


MAT 8198
(n,t)
82-Pb-195
Radionuclide Production Cross Section
83-Bi-196g
83-Bi-196m2
83-Bi-196m3
Cross Section (barns)
Incident Energy (MeV)
19
82-Pb-195


MAT 8198
(n,α)
82-Pb-195
Radionuclide Production Cross Section
82-Pb-195g
82-Pb-195m2
Cross Section (barns)
Incident Energy (MeV)
20
82-Pb-195


MAT 8198
(n,2α)
82-Pb-195
Radionuclide Production Cross Section
80-Hg-191g
80-Hg-191m3
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^0
10^1
10^2
2
4
6
8
21
Incident Energy (MeV)
82-Pb-195


MAT 8198
(n,2p)
82-Pb-195
Radionuclide Production Cross Section
82-Pb-197g
82-Pb-197m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
22
82-Pb-195


MAT 8198
(n,p) α
82-Pb-195
Radionuclide Production Cross Section
81-Tl-194g
81-Tl-194m4
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
23
Incident Energy (MeV)
82-Pb-195