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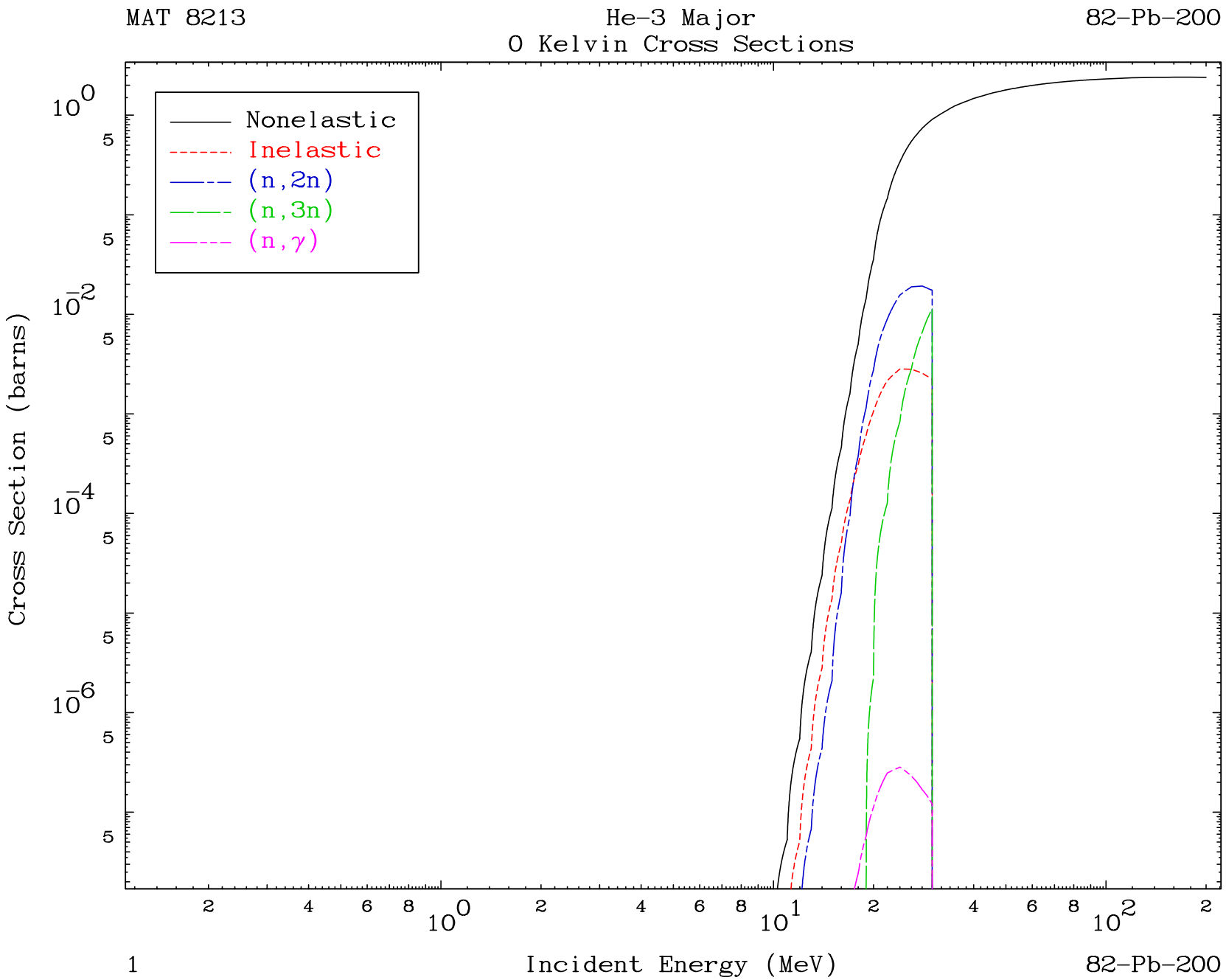
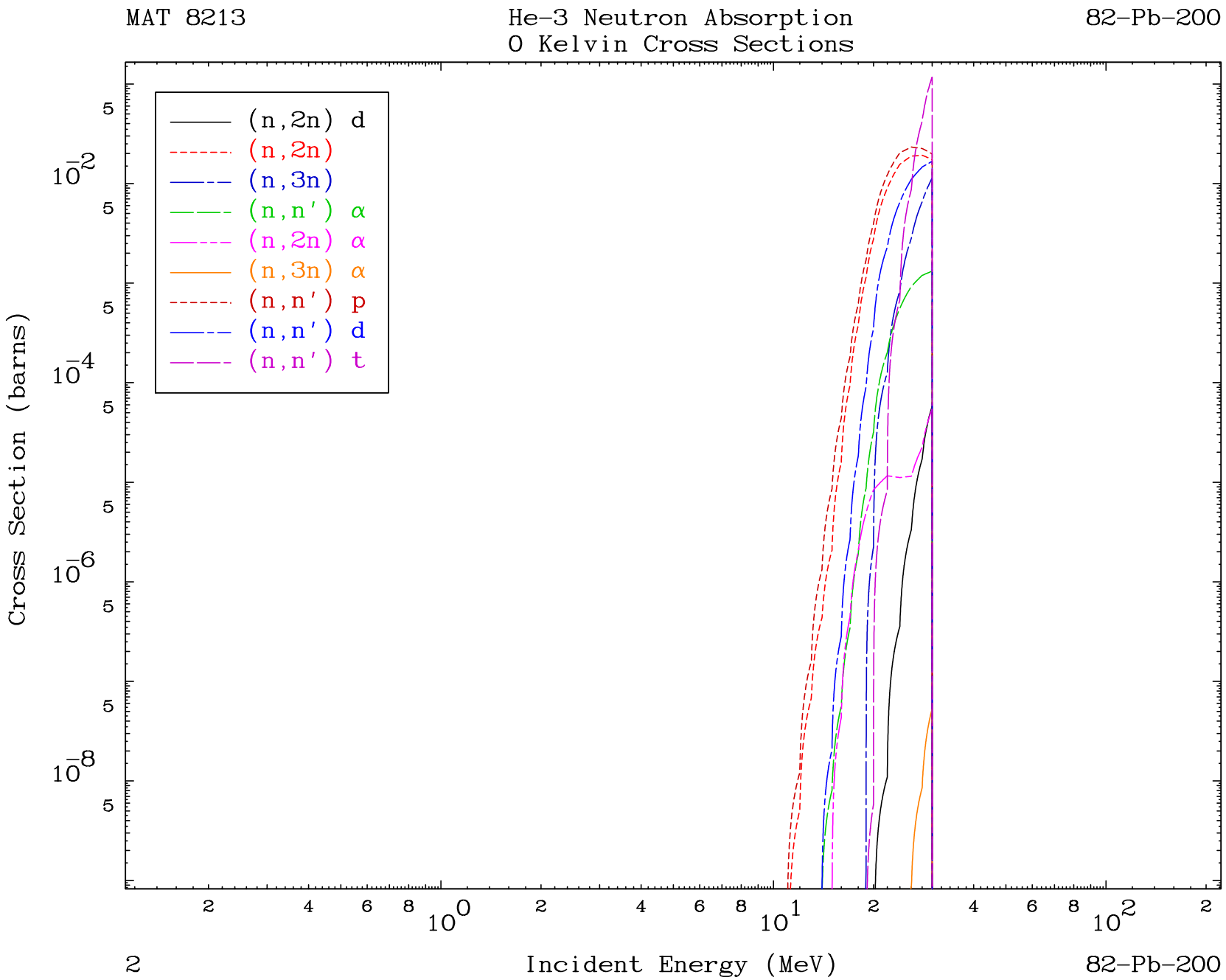
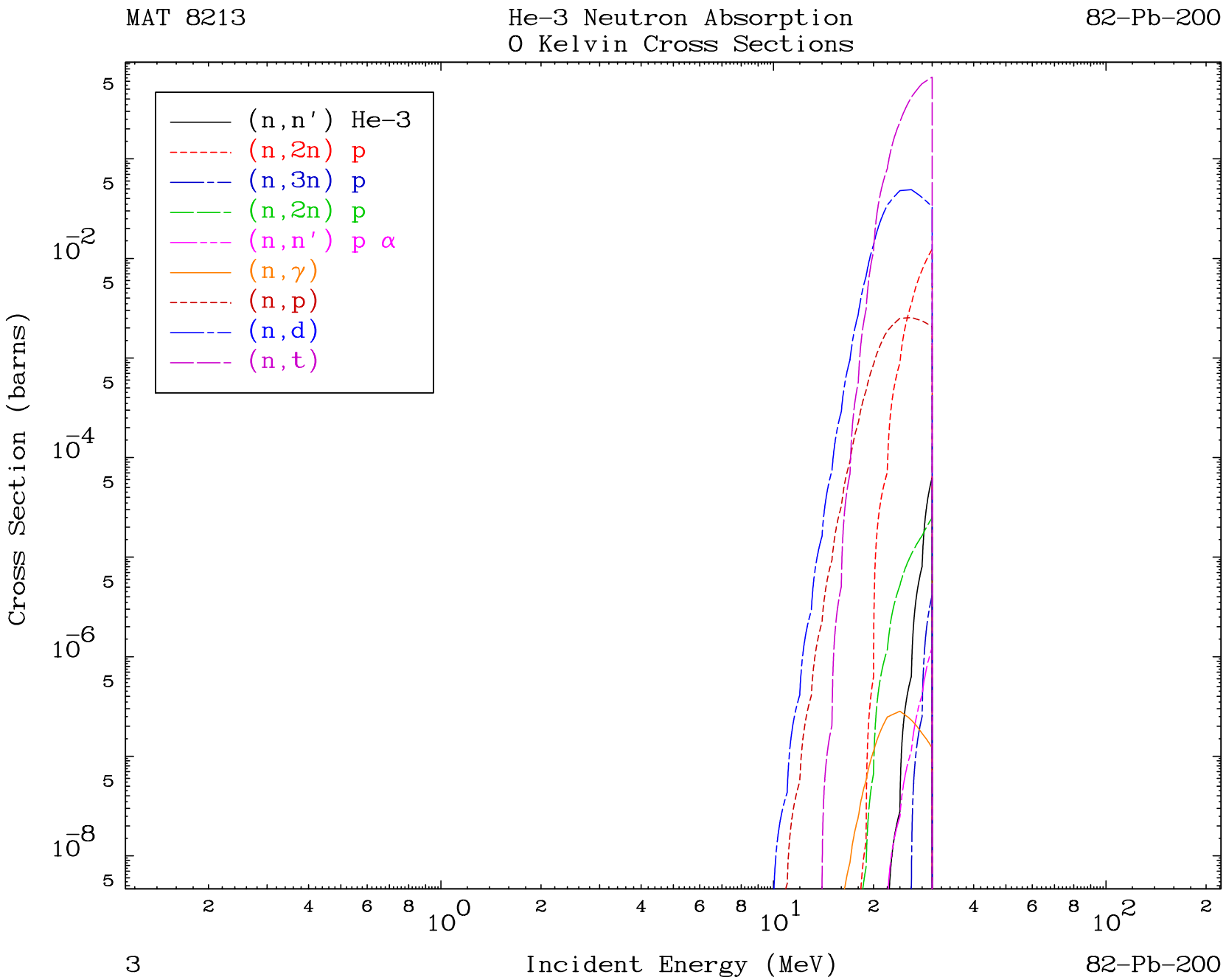
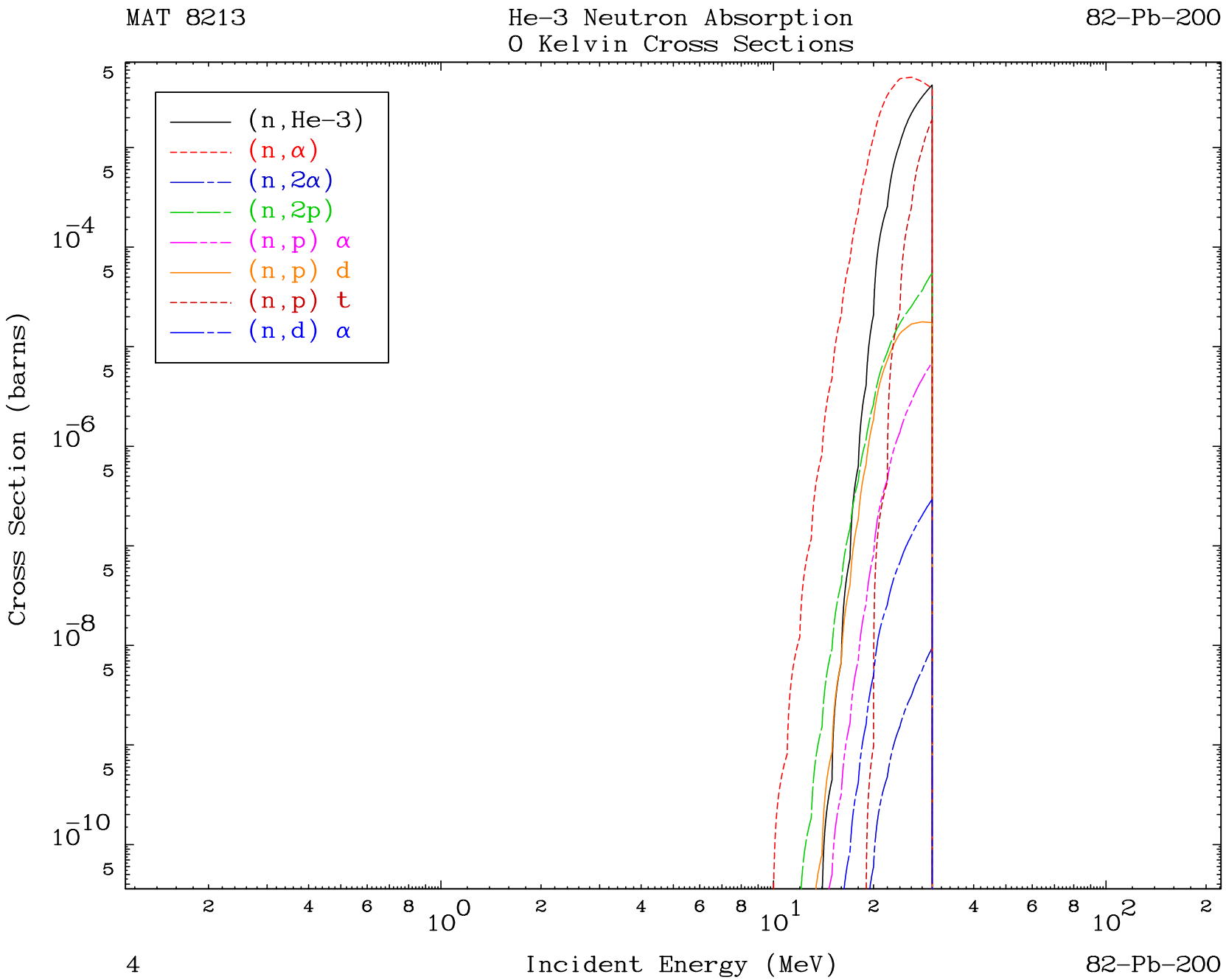
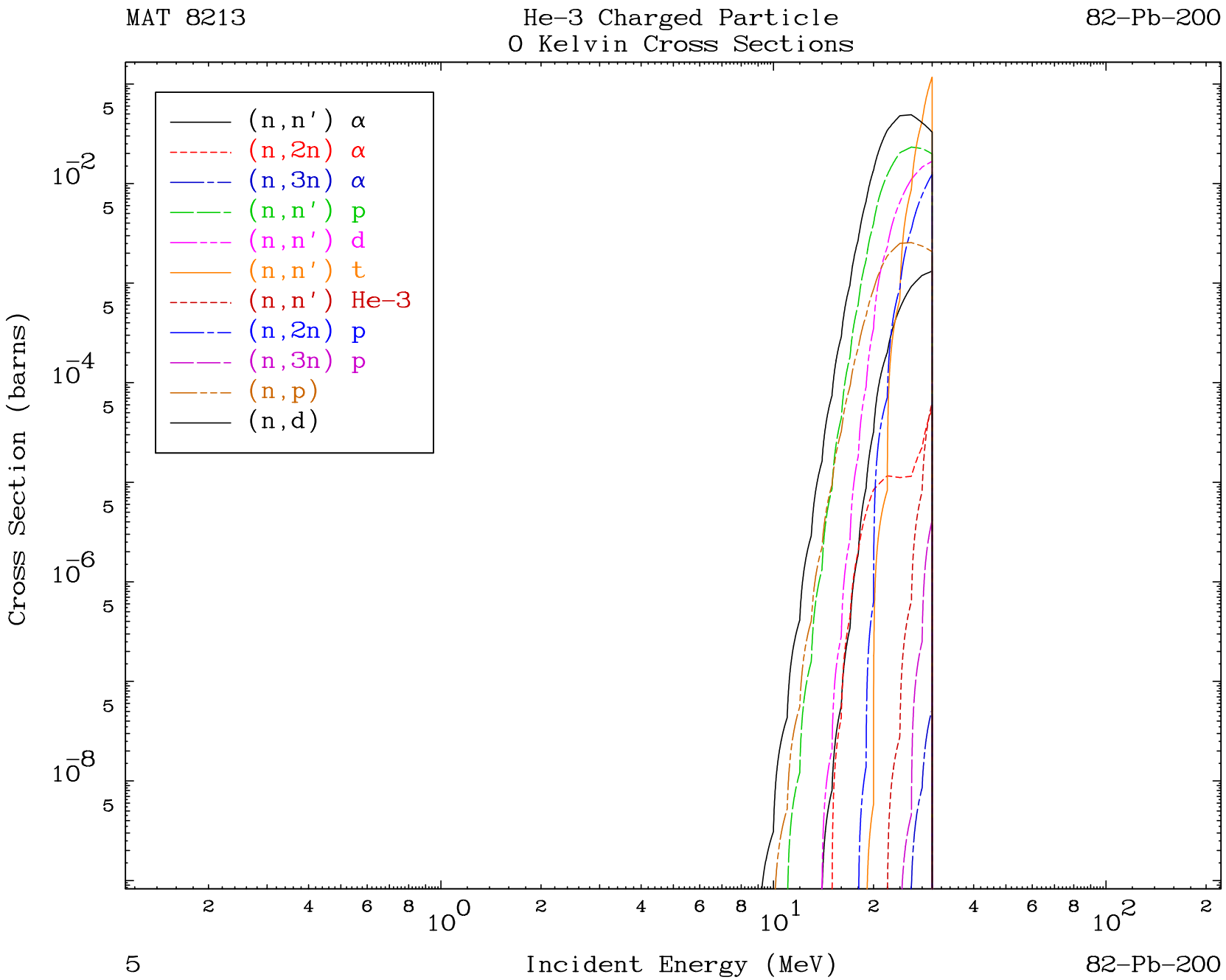
Press Mouse Button to Start

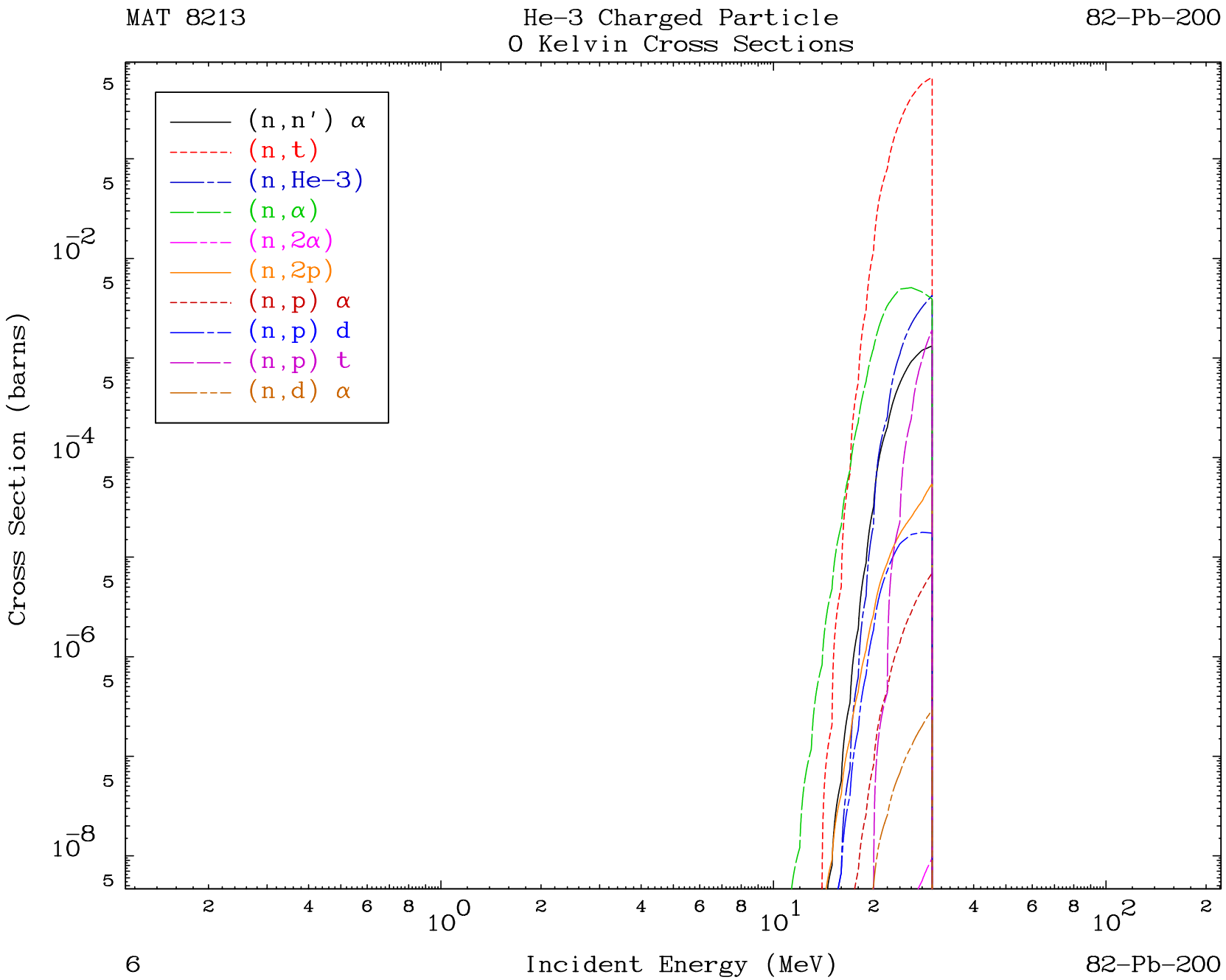

MAT 8213
He-3 Major
82-Pb-200
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
82-Pb-200
1

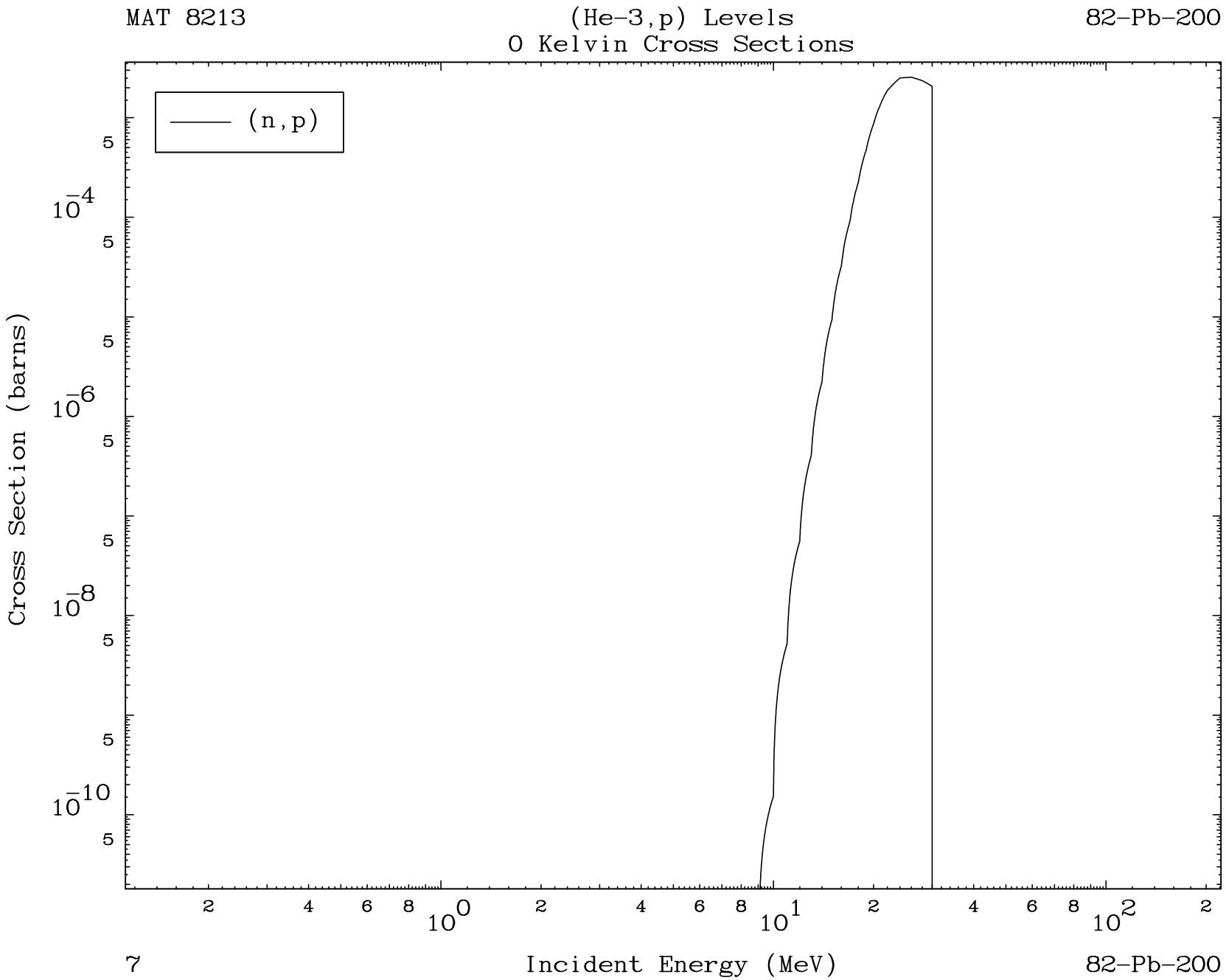

MAT 8213
He-3 Neutron Absorption
0 Kelvin Cross Sections
82-Pb-200
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
82-Pb-200

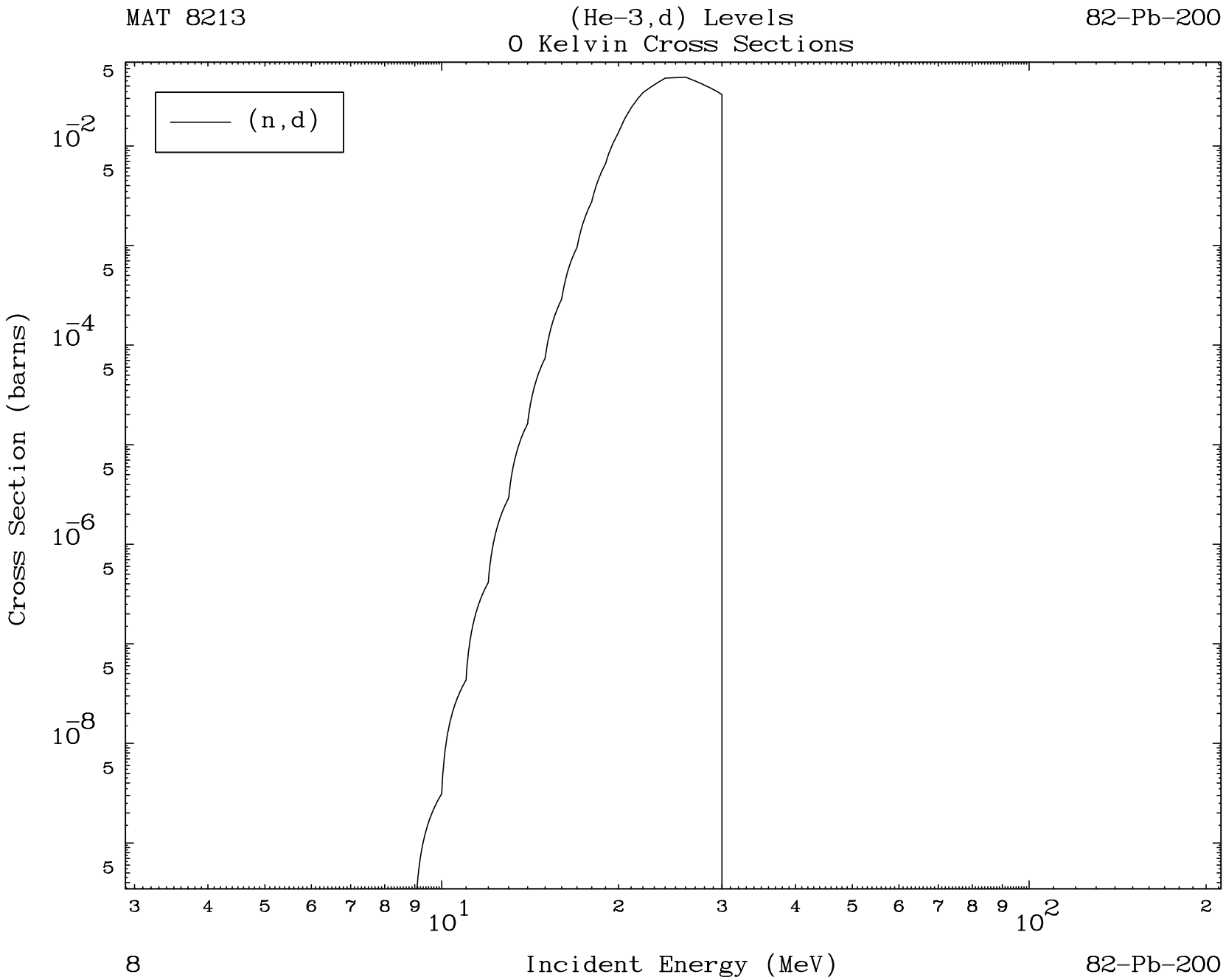

MAT 8213
He-3 Neutron Absorption
0 Kelvin Cross Sections
82-Pb-200
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
82-Pb-200

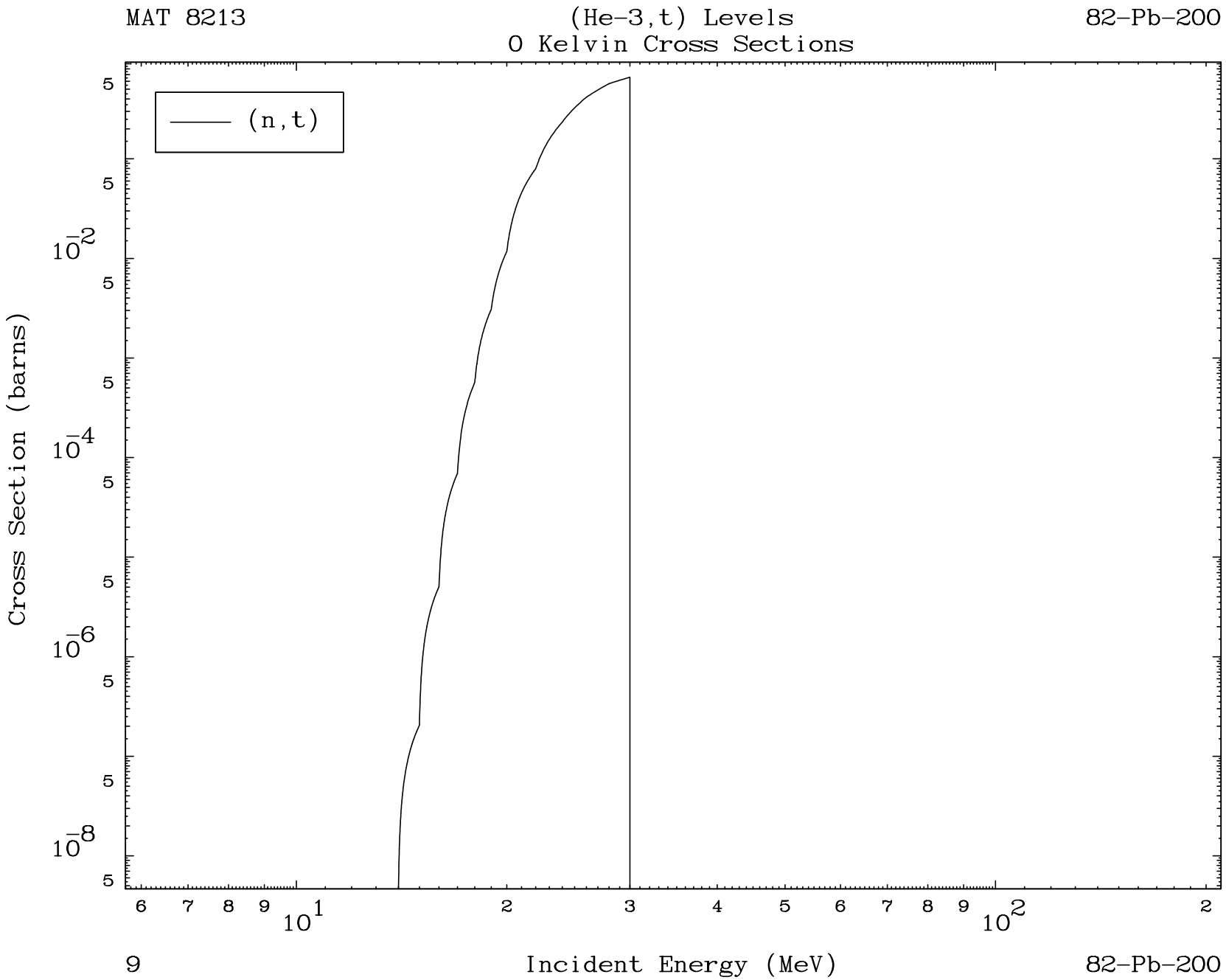

MAT 8213
He-3 Neutron Absorption
0 Kelvin Cross Sections
82-Pb-200
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
82-Pb-200

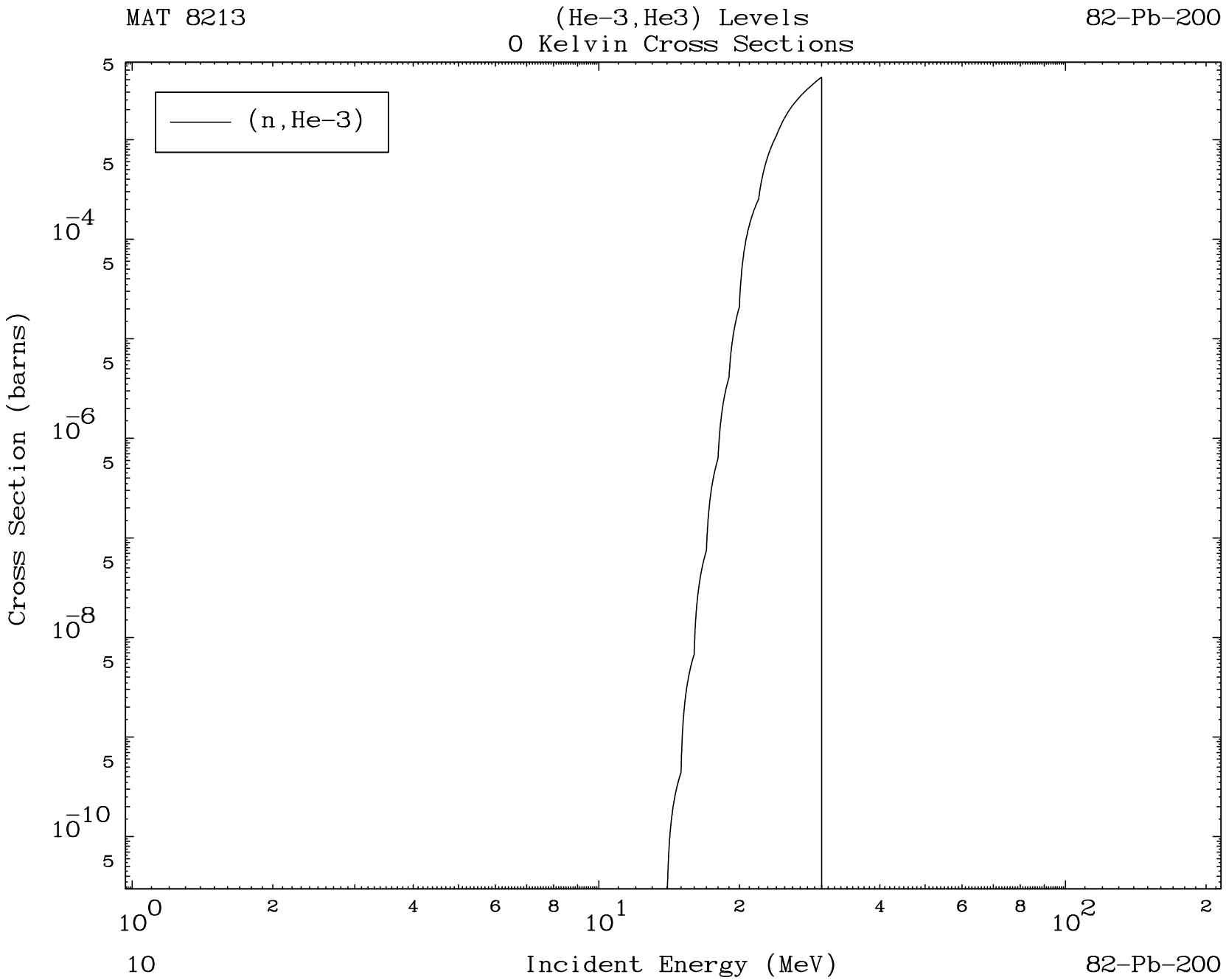

MAT 8213
He-3 Charged Particle
0 Kelvin Cross Sections
82-Pb-200
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
82-Pb-200

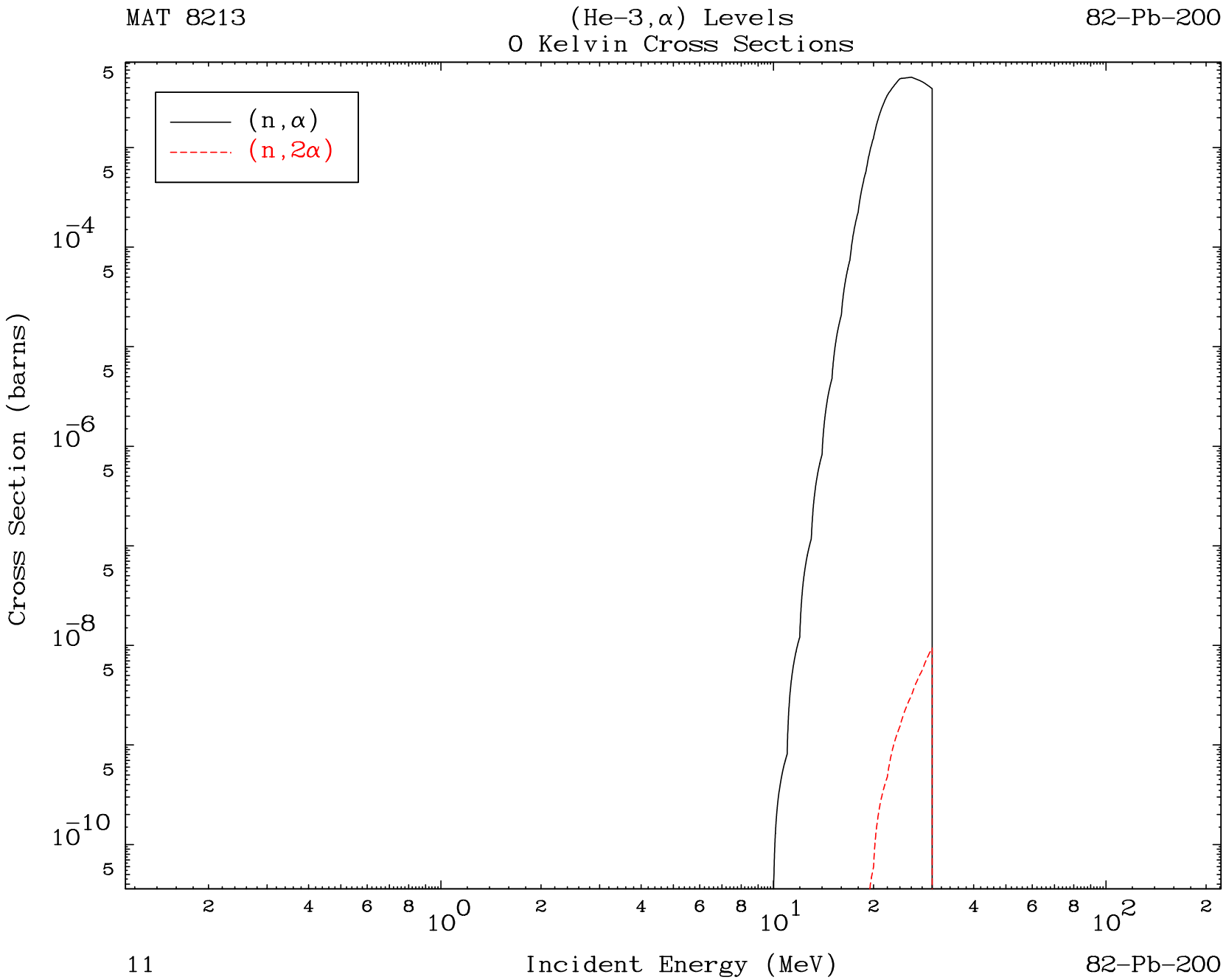

MAT 8213
He-3 Charged Particle
0 Kelvin Cross Sections
82-Pb-200
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
82-Pb-200

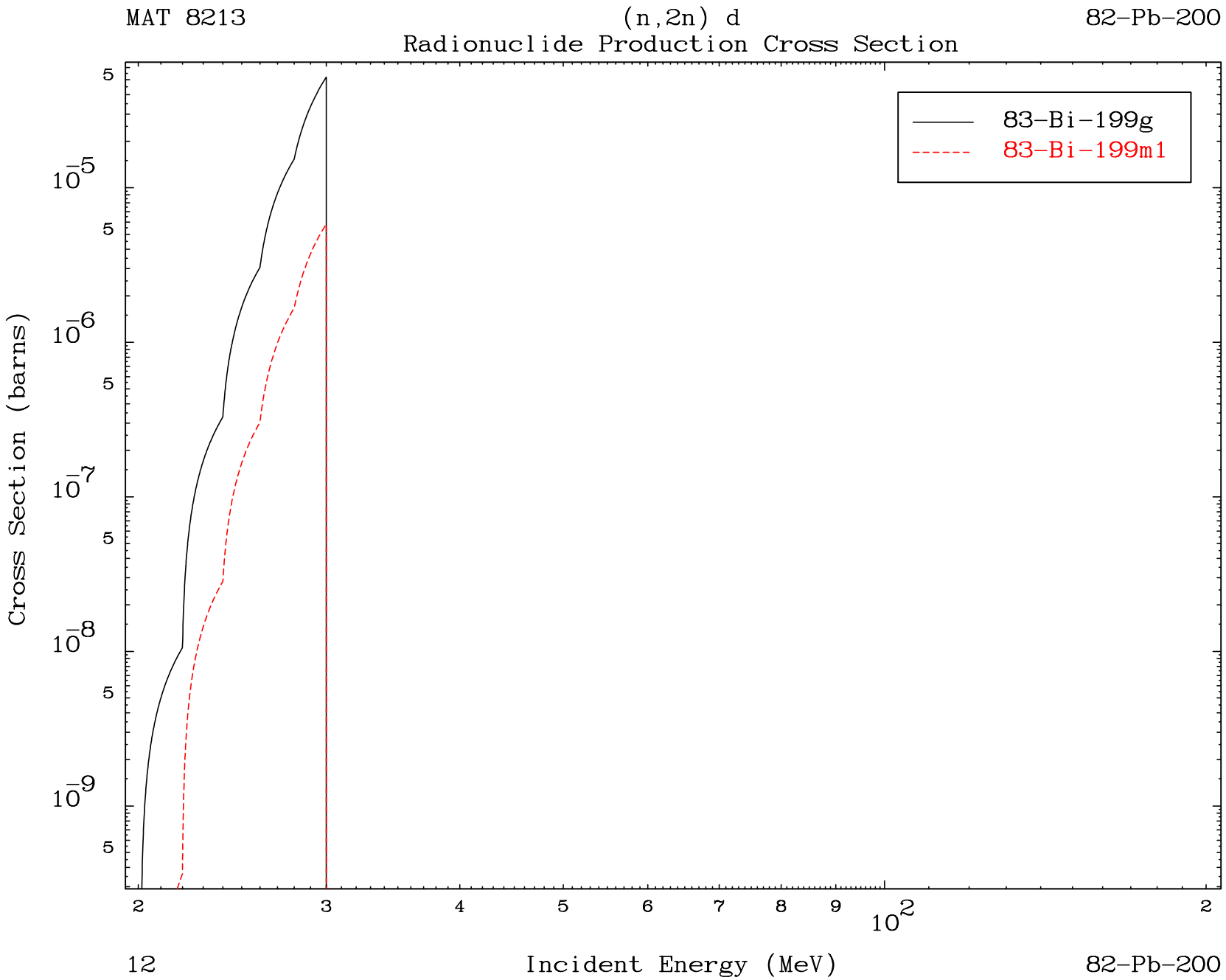

MAT 8213
(He-3,p) Levels
0 Kelvin Cross Sections
82-Pb-200
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
4
6
8
100
101
102
Incident Energy (MeV)
7
82-Pb-200

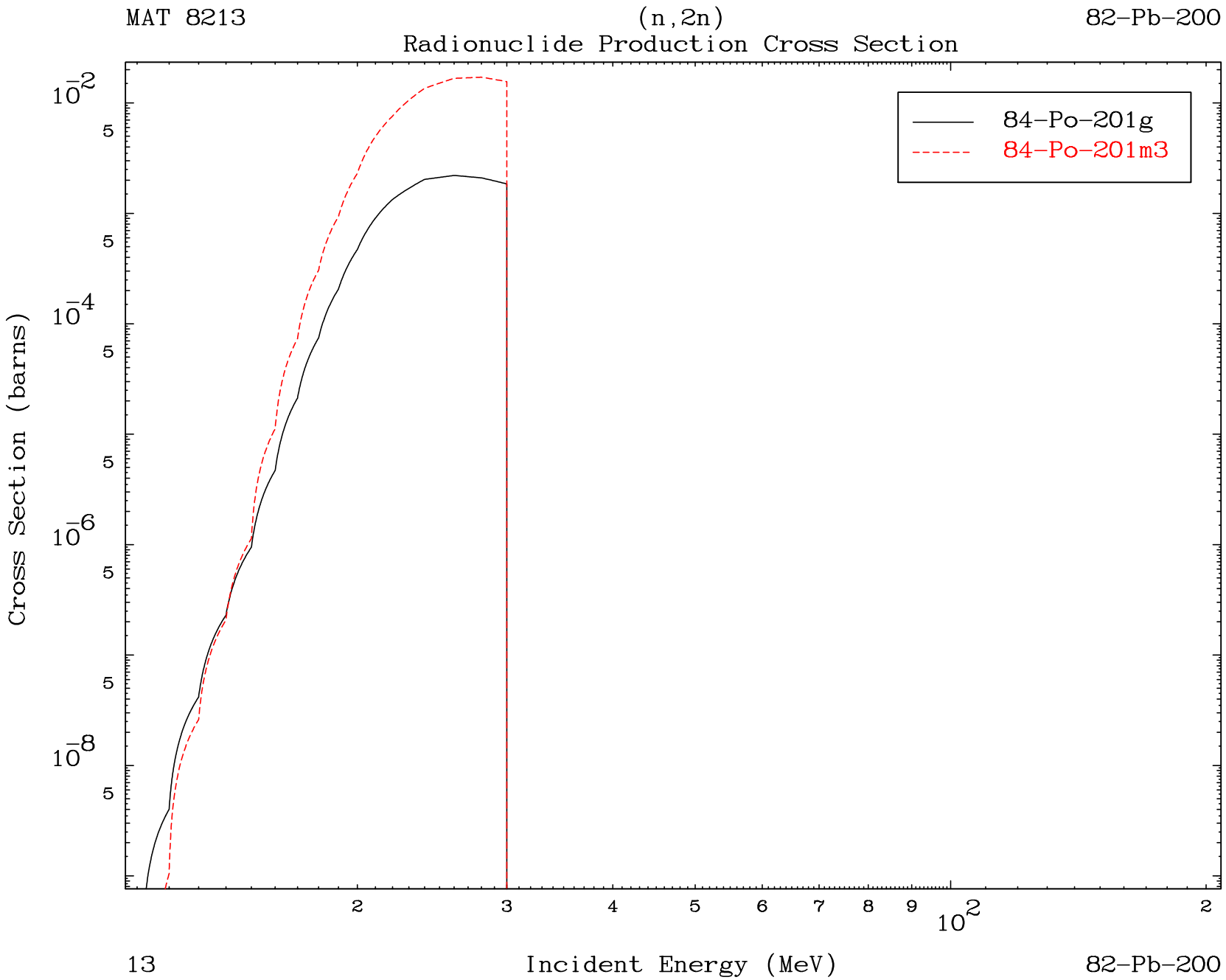

MAT 8213
(He-3,d) Levels
82-Pb-200
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 102 2
Incident Energy (MeV)
8
82-Pb-200

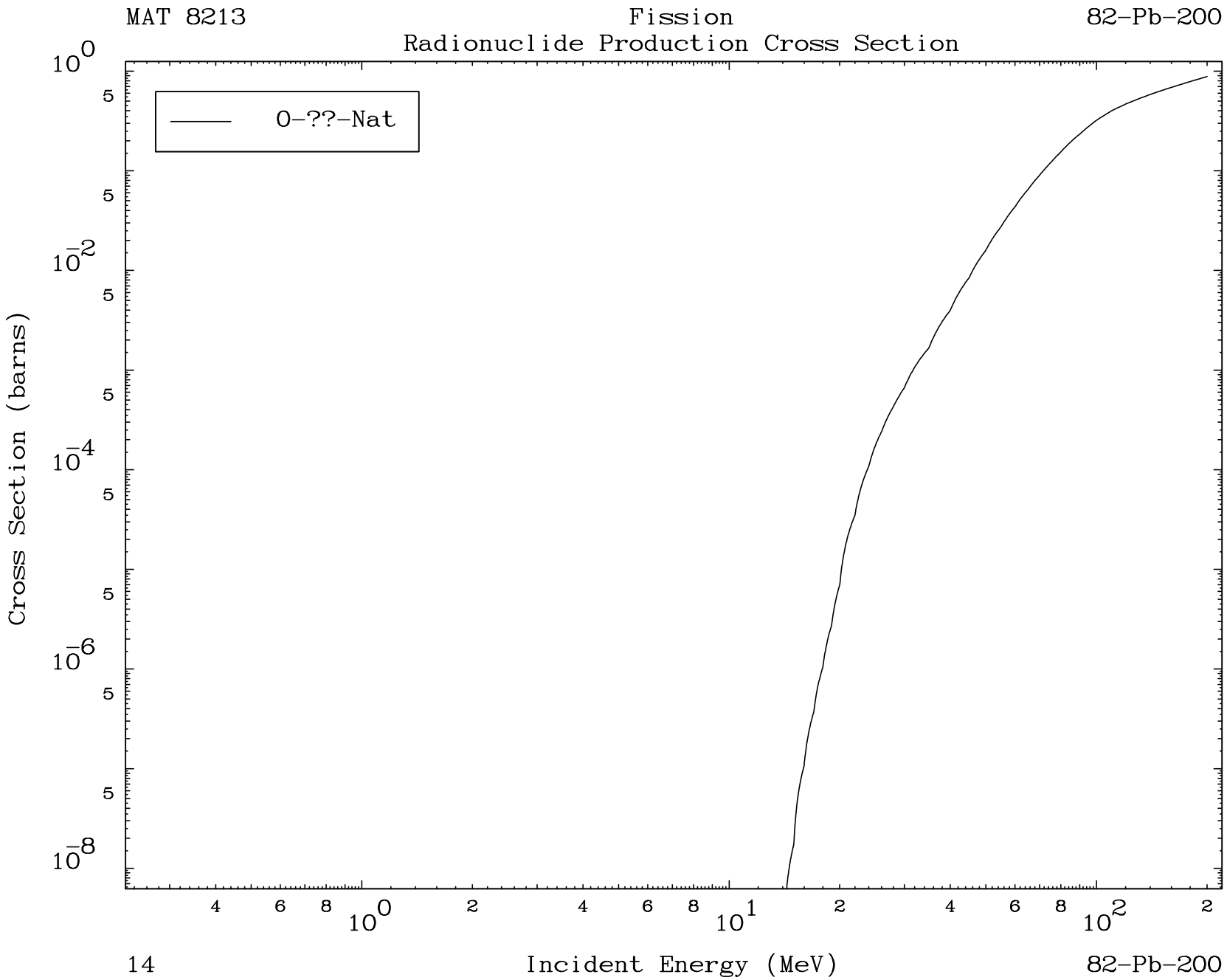

MAT 8213
(He-3,t) Levels
82-Pb-200
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
82-Pb-200
9

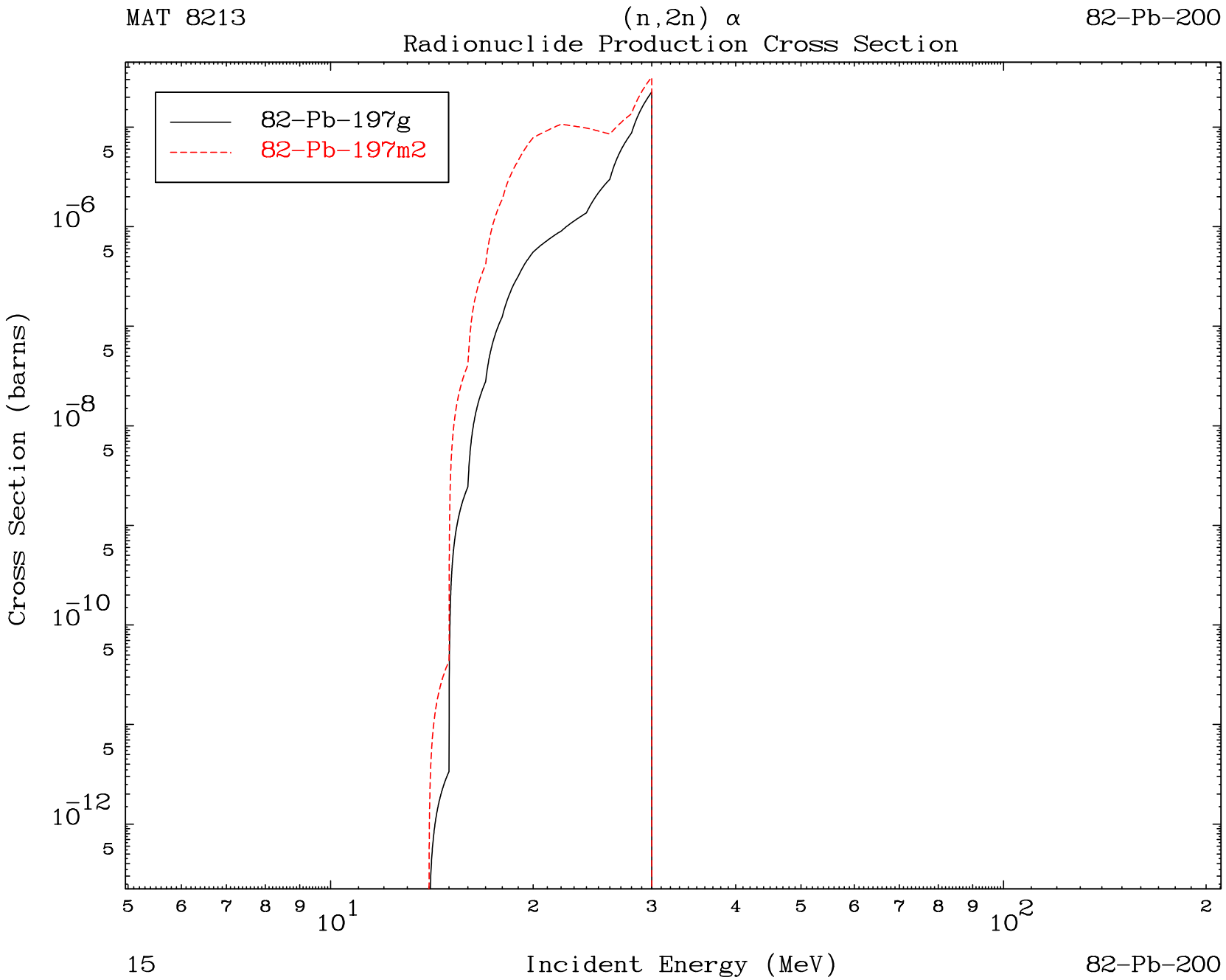

MAT 8213
(He-3,He3) Levels
82-Pb-200
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
82-Pb-200

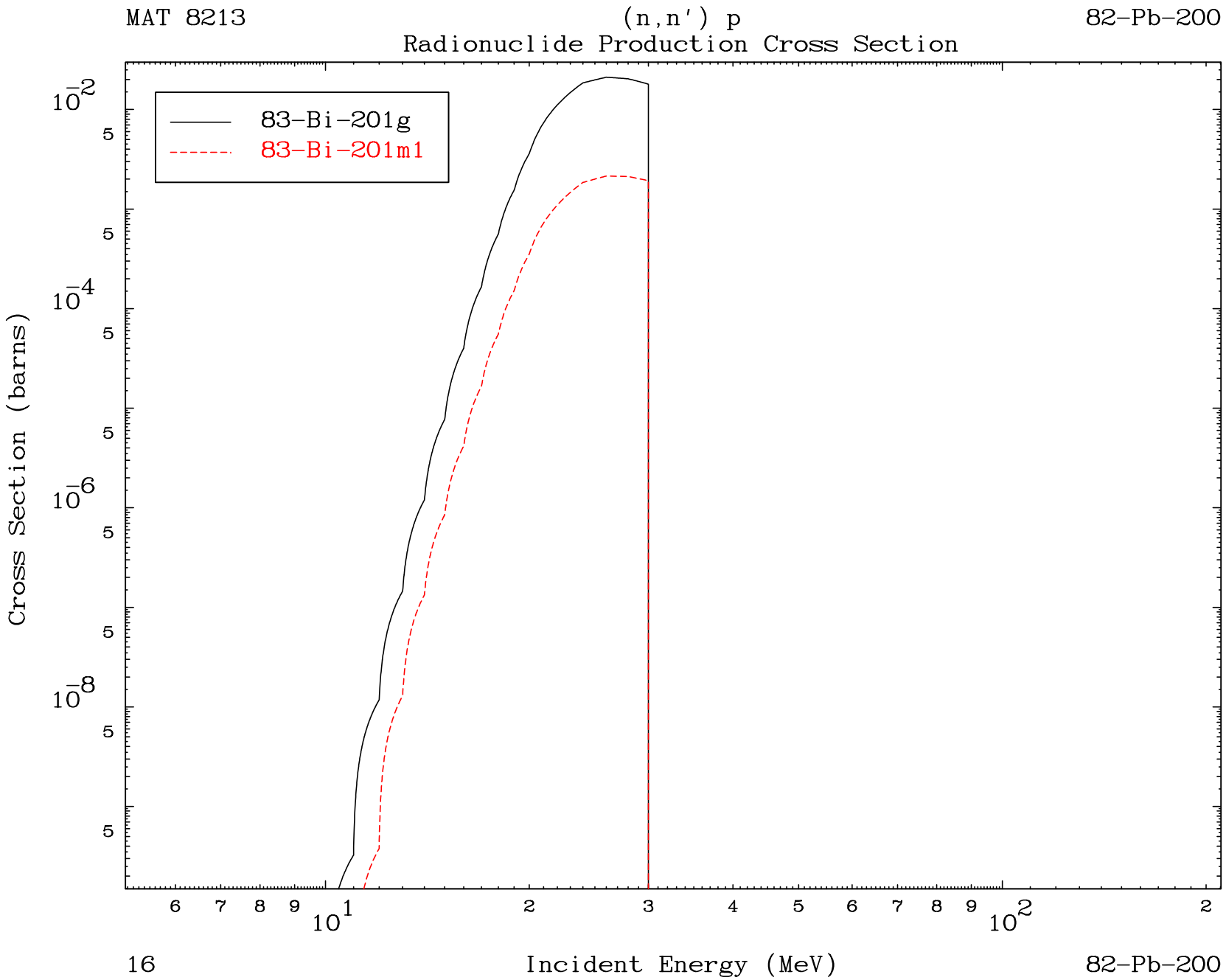

MAT 8213
(He-3,α) Levels
0 Kelvin Cross Sections
82-Pb-200
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
11
82-Pb-200

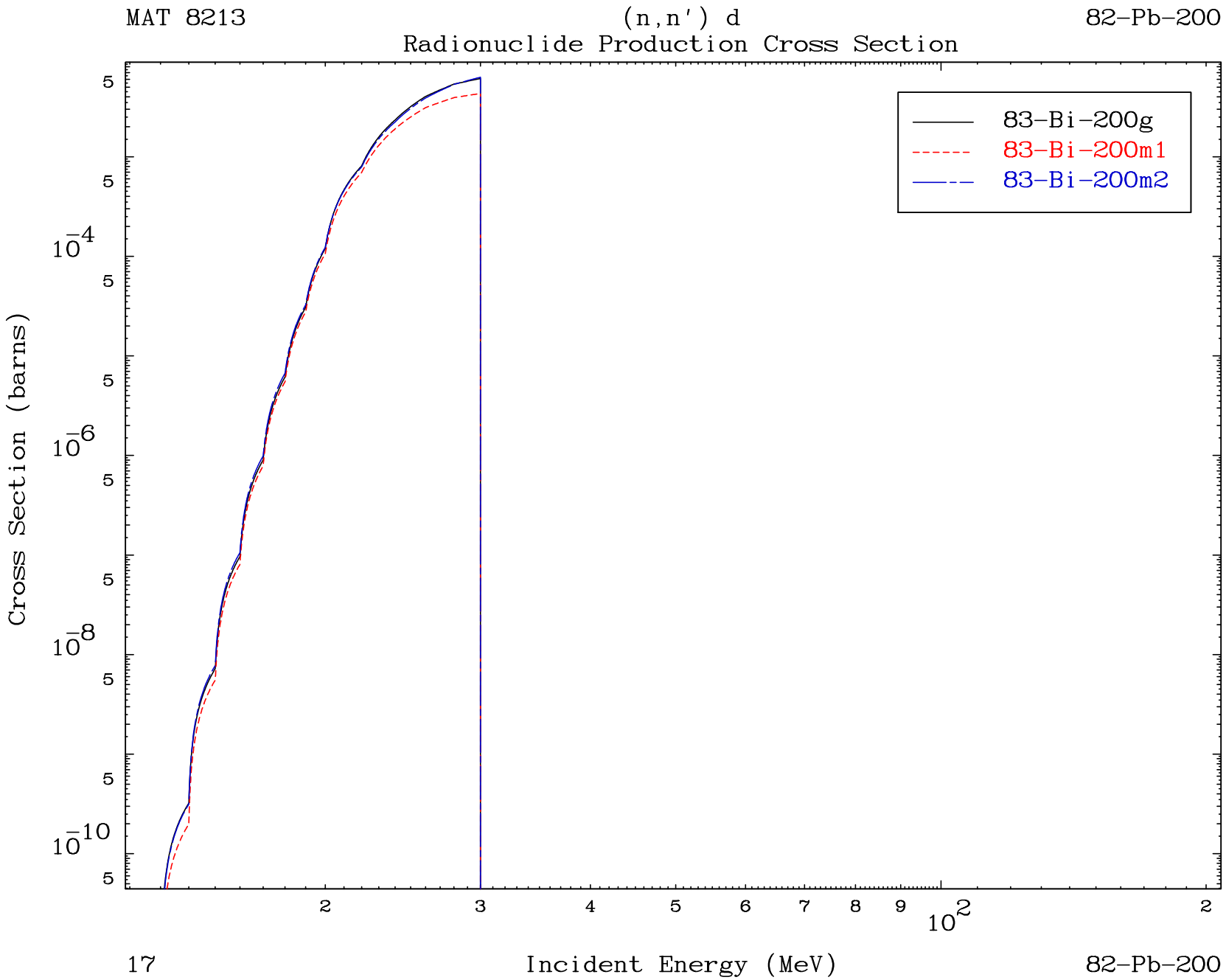

MAT 8213
(n,2n) d
82-Pb-200
Radionuclide Production Cross Section
83-Bi-199g
83-Bi-199m1
Cross Section (barns)
Incident Energy (MeV)
12
82-Pb-200

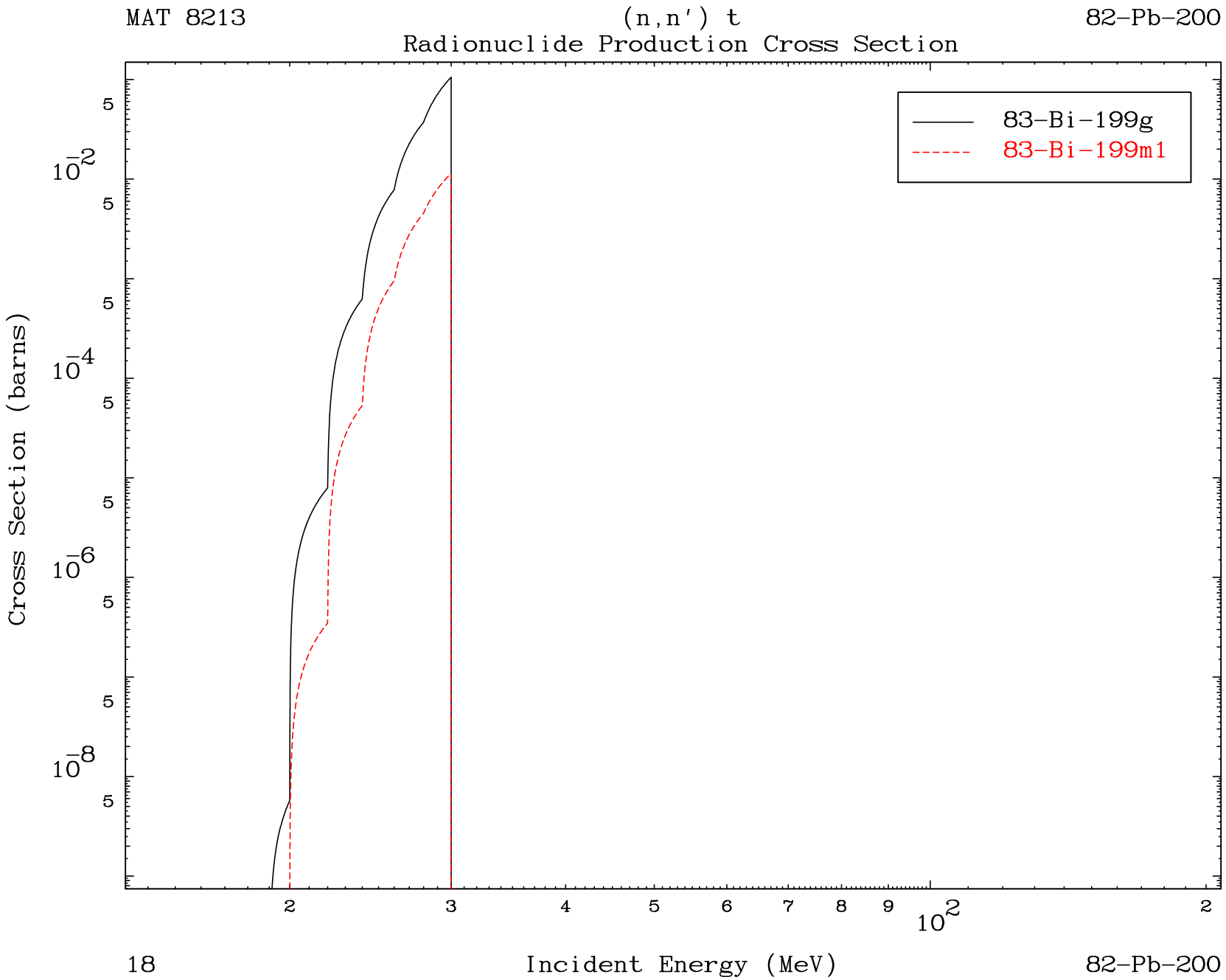

MAT 8213
(n,2n)
82-Pb-200
Radionuclide Production Cross Section
84-Po-201g
84-Po-201m3
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
82-Pb-200

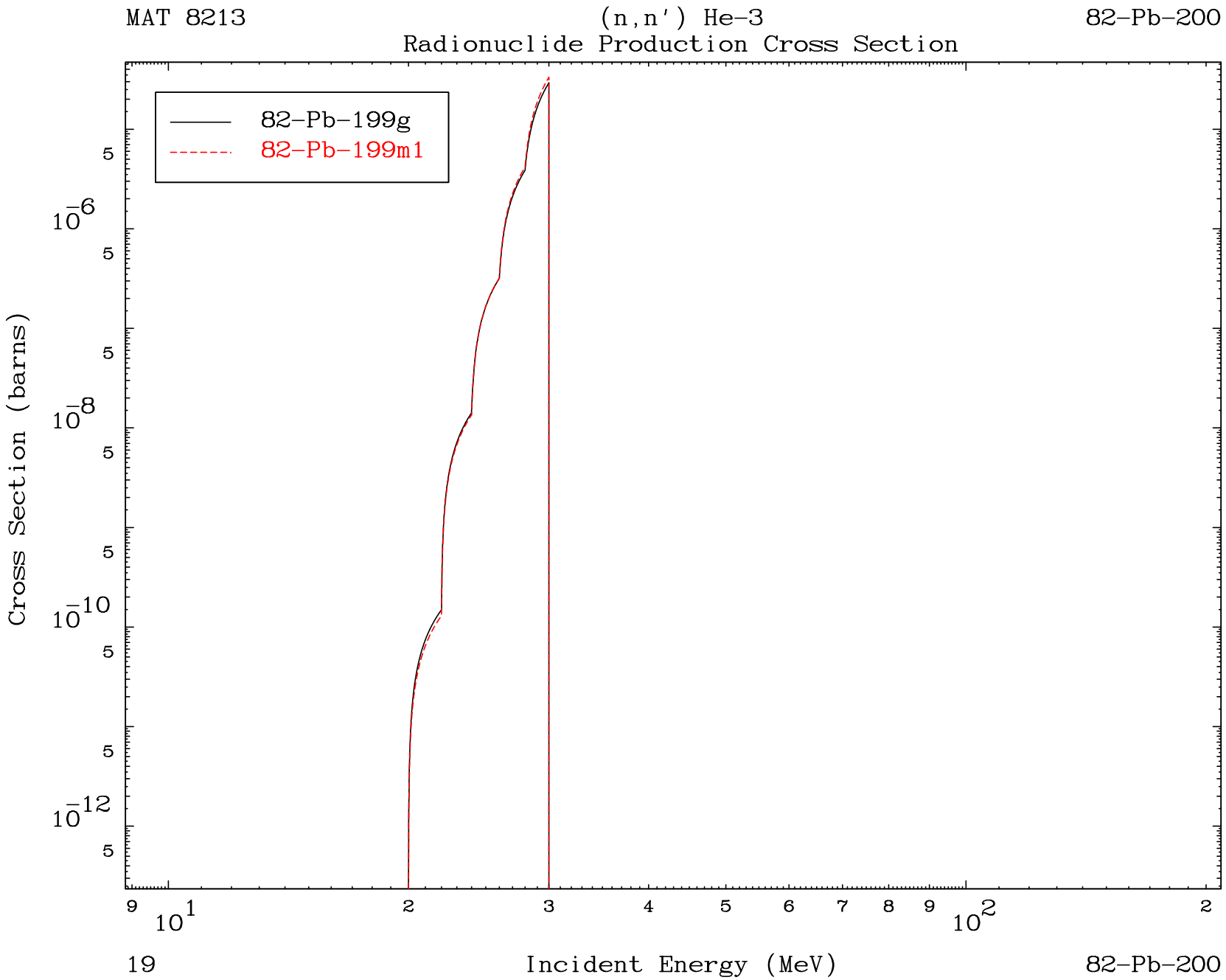

MAT 8213
Fission
82-Pb-200
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
14
82-Pb-200

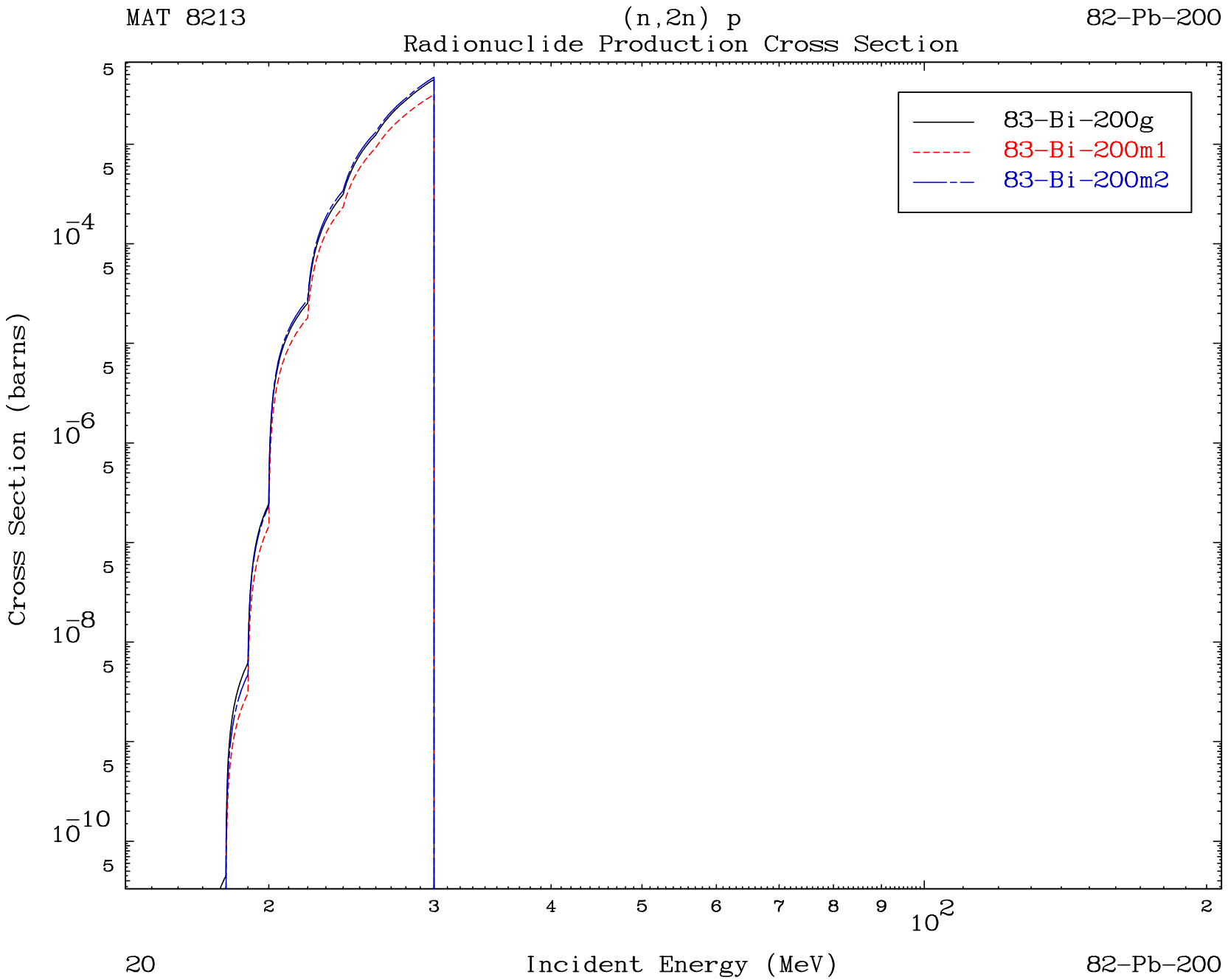

MAT 8213
(n,2n) α
82-Pb-200
Radionuclide Production Cross Section
82-Pb-197g
82-Pb-197m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
5
5
5
5
5
5 6 7 8 9 101 2 3 4 5 6 7 8 9 102 2
15
Incident Energy (MeV)
82-Pb-200

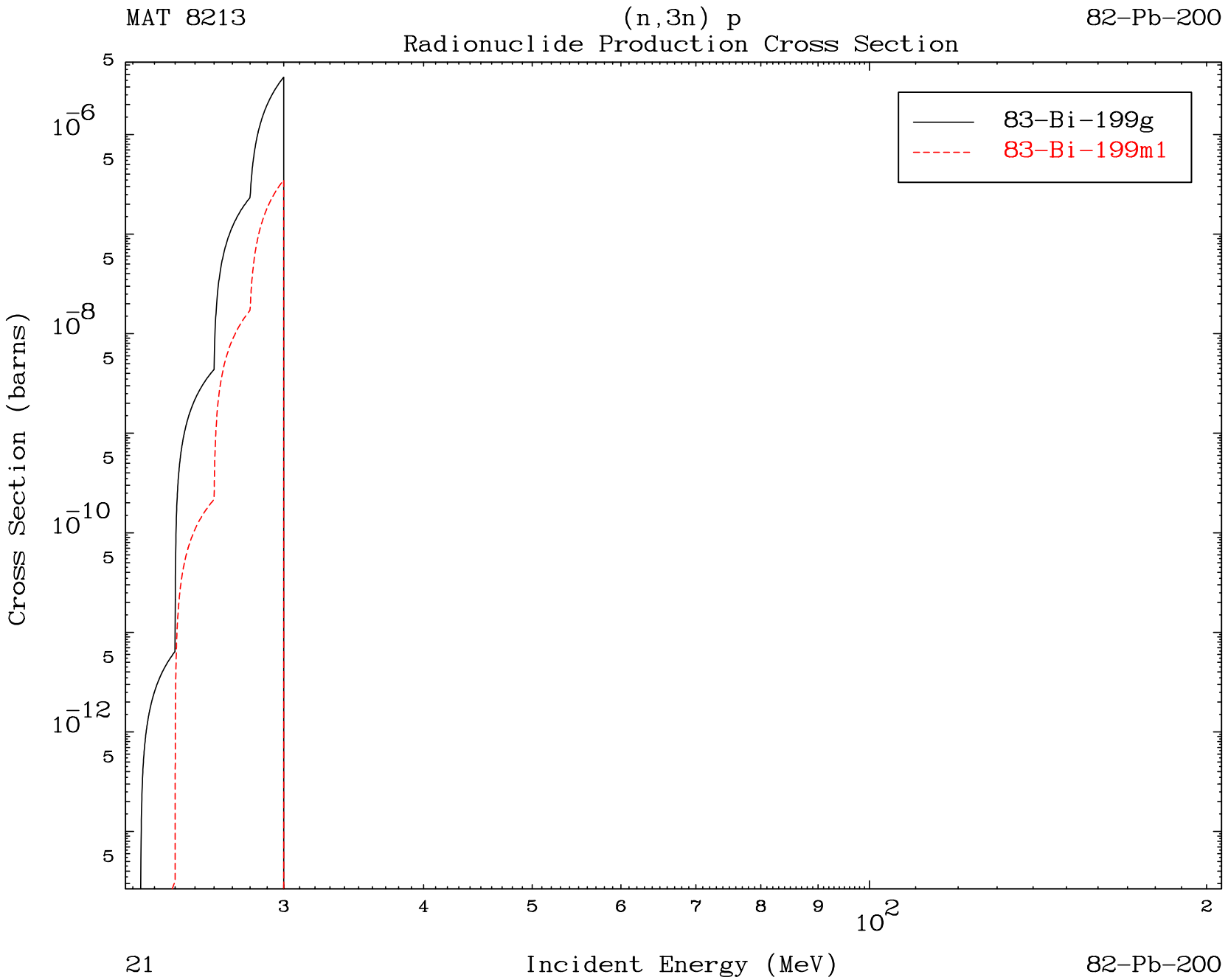

MAT 8213
(n,n') p
82-Pb-200
Radionuclide Production Cross Section
83-Bi-201g
83-Bi-201m1
Cross Section (barns)
Incident Energy (MeV)
16
82-Pb-200

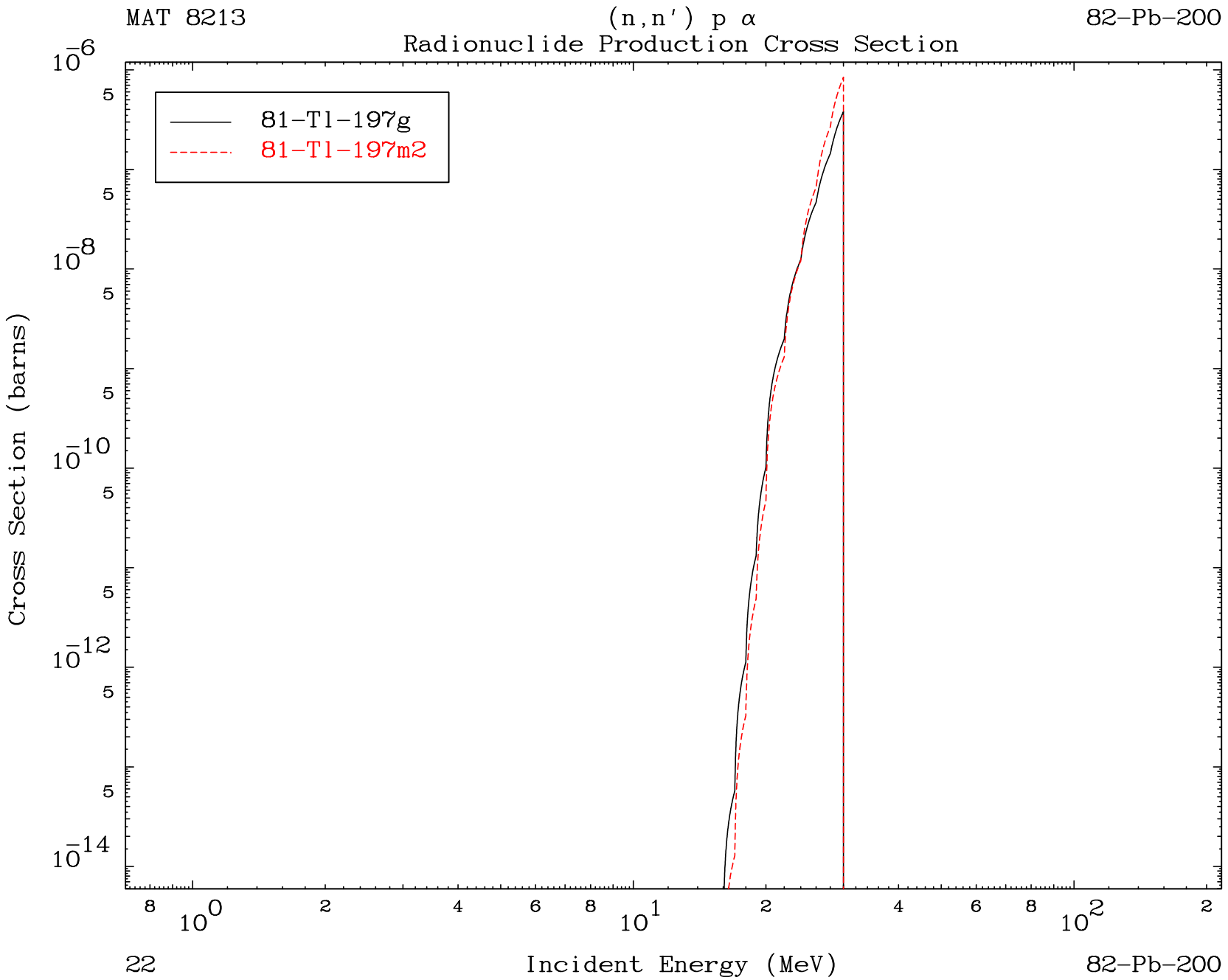

MAT 8213
(n,n') d
82-Pb-200
Radionuclide Production Cross Section
83-Bi-200g
83-Bi-200m1
83-Bi-200m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
82-Pb-200

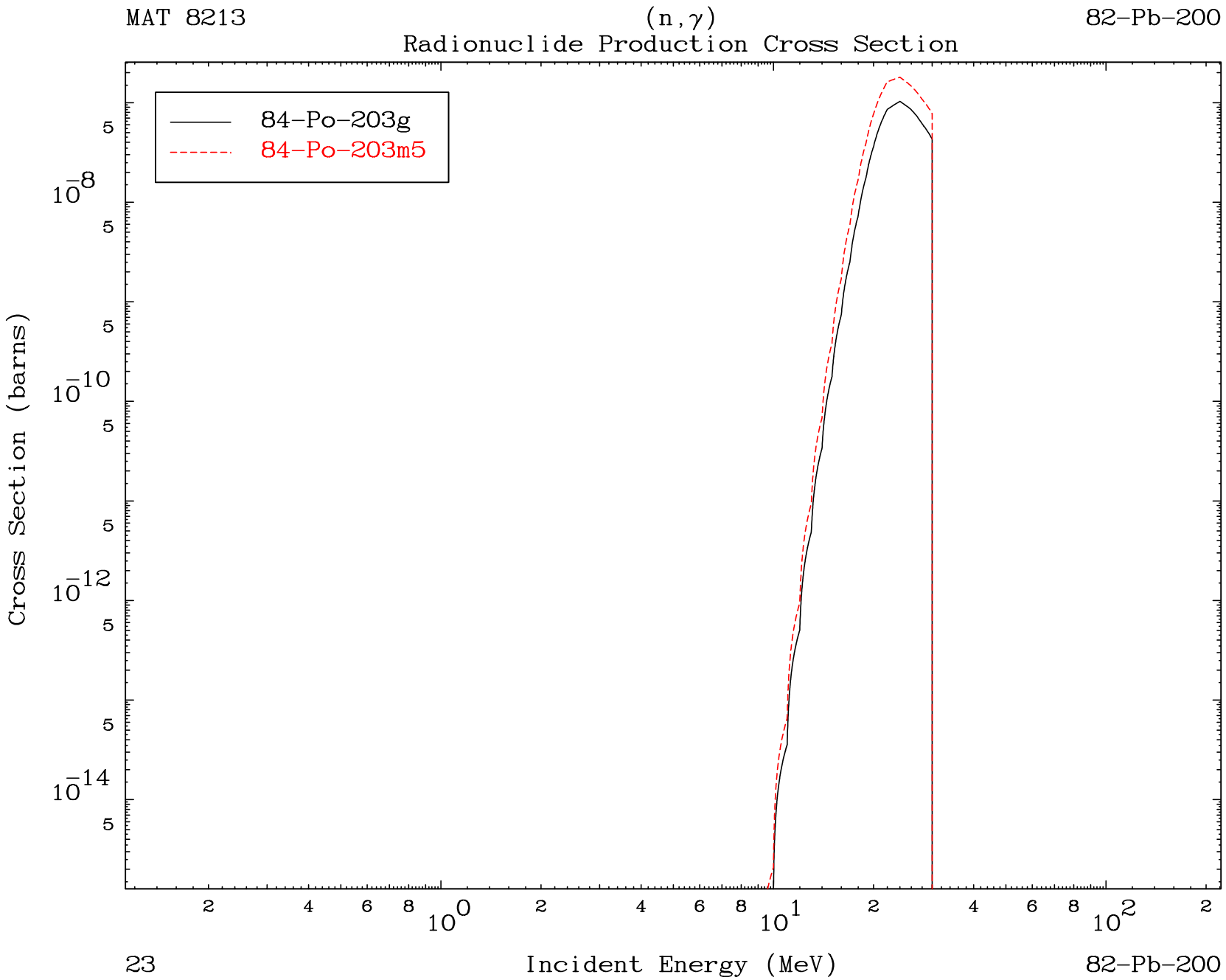

MAT 8213
(n,n') t
82-Pb-200
Radionuclide Production Cross Section
83-Bi-199g
83-Bi-199m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
82-Pb-200

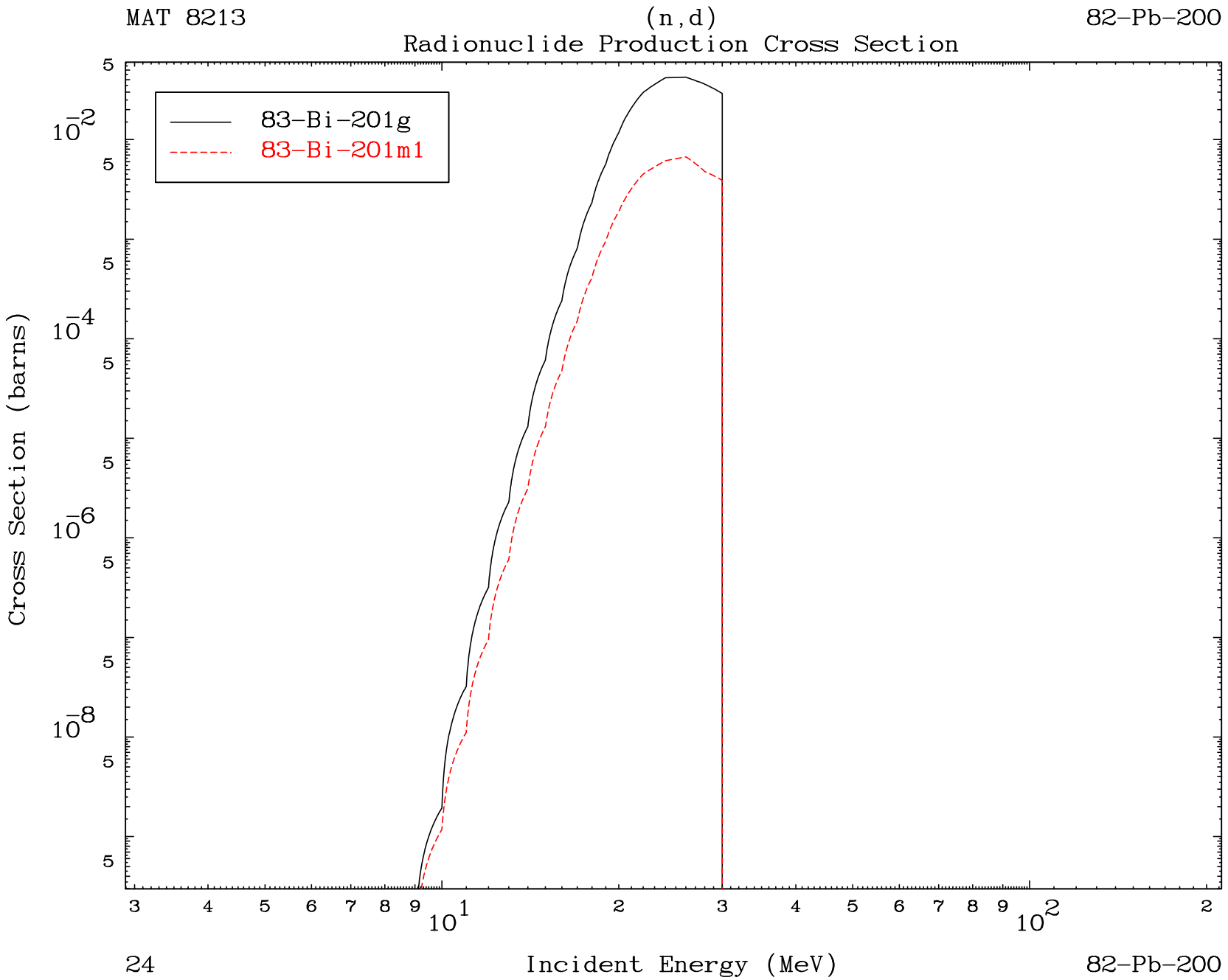

MAT 8213
(n,n') He-3
82-Pb-200
Radionuclide Production Cross Section
82-Pb-199g
82-Pb-199m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
82-Pb-200

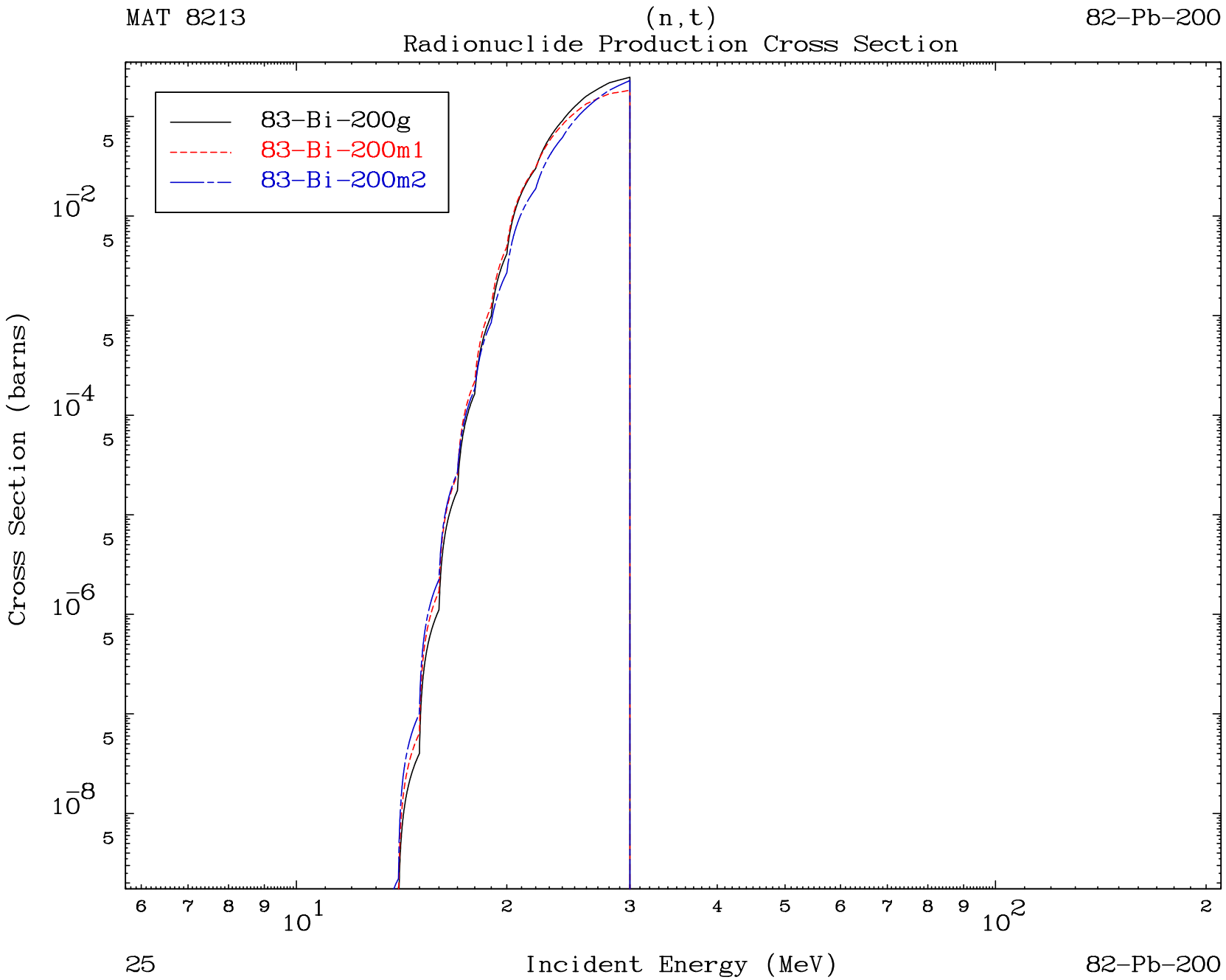

MAT 8213
(n,2n) p
82-Pb-200
Radionuclide Production Cross Section
83-Bi-200g
83-Bi-200m1
83-Bi-200m2
Cross Section (barns)
Incident Energy (MeV)
20
82-Pb-200

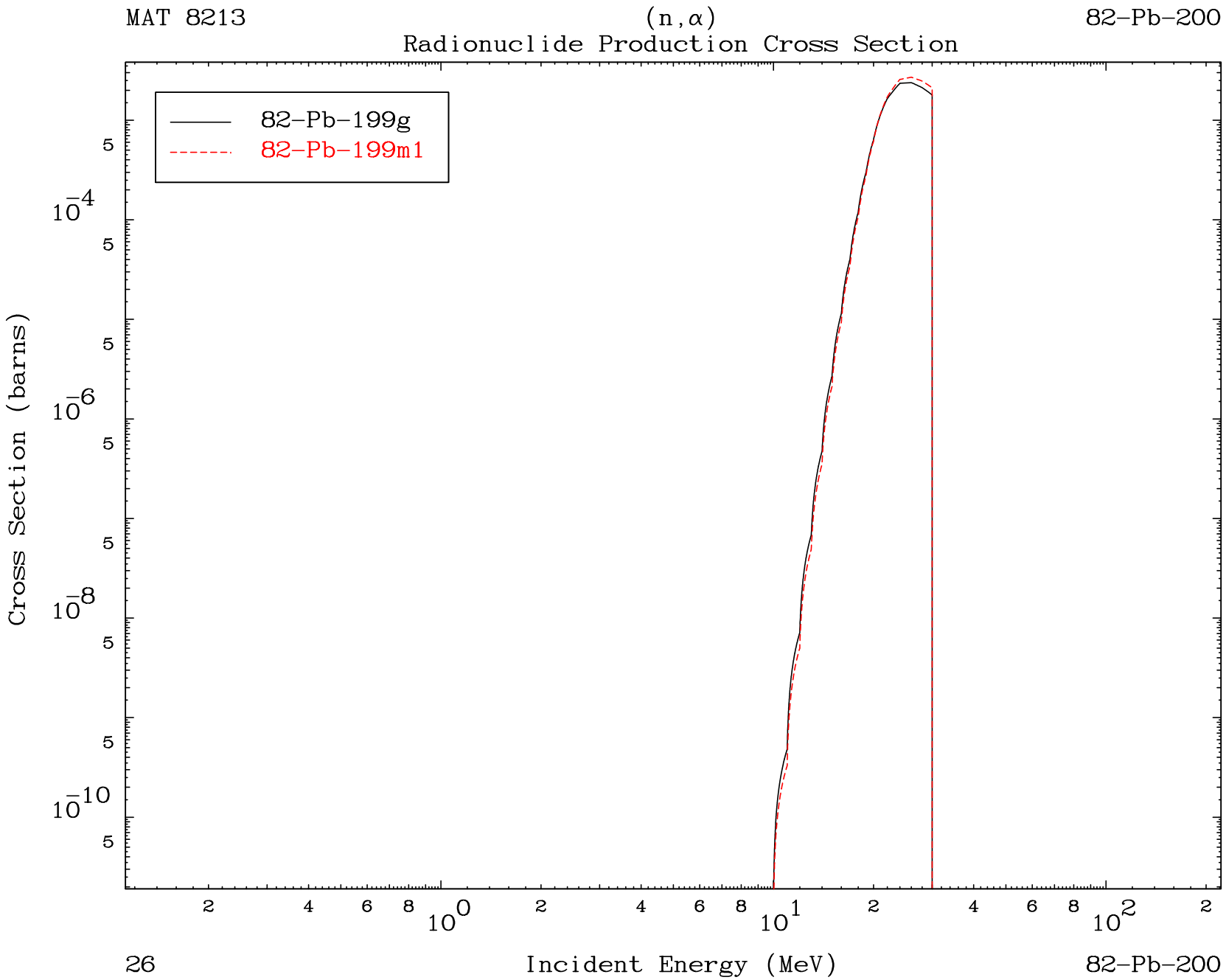

MAT 8213
(n,3n) p
82-Pb-200
Radionuclide Production Cross Section
83-Bi-199g
83-Bi-199m1
Cross Section (barns)
Incident Energy (MeV)
21
82-Pb-200

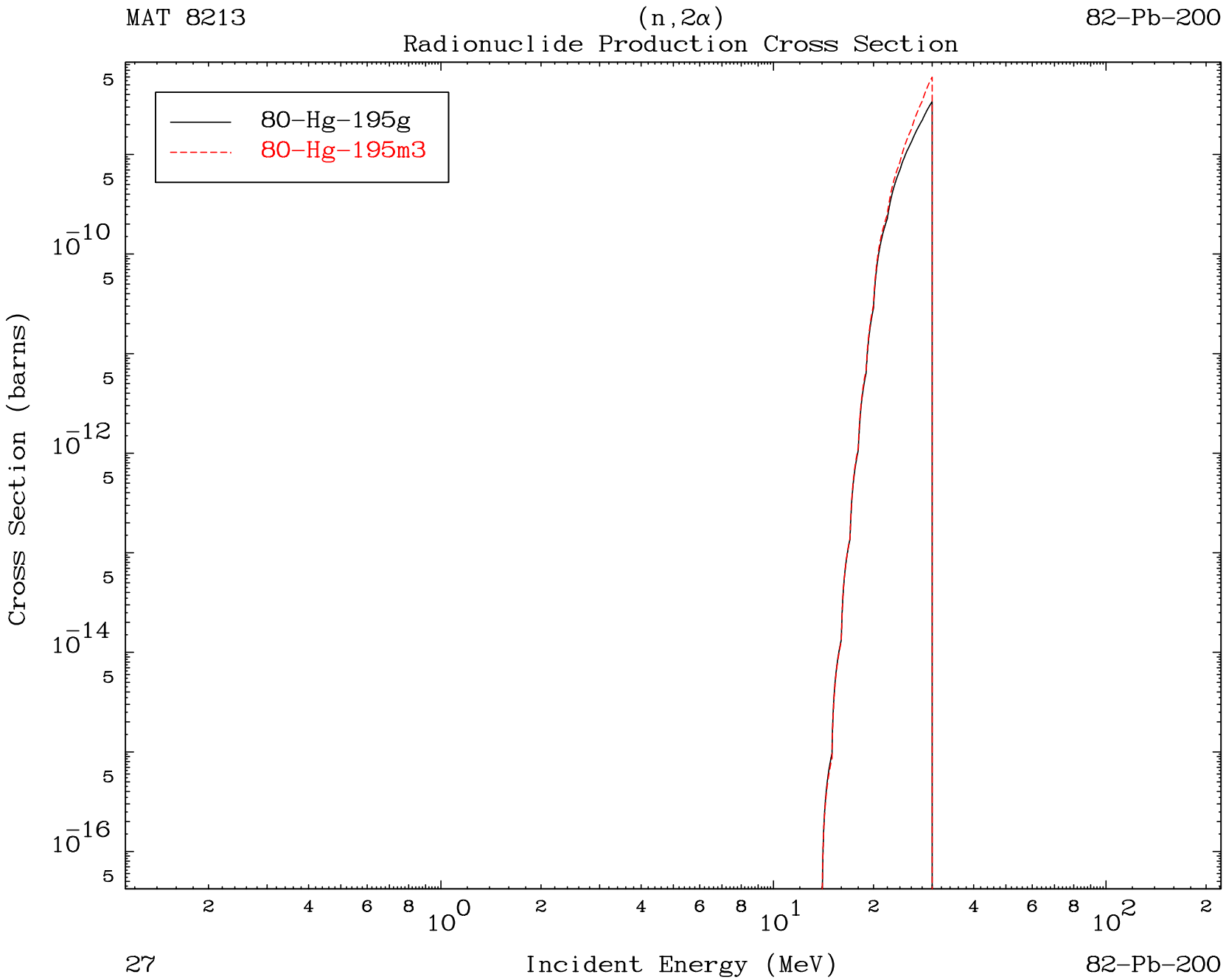

MAT 8213
(n,n') p α
82-Pb-200
Radionuclide Production Cross Section
81-Tl-197g
81-Tl-197m2
Cross Section (barns)
Incident Energy (MeV)
22
82-Pb-200

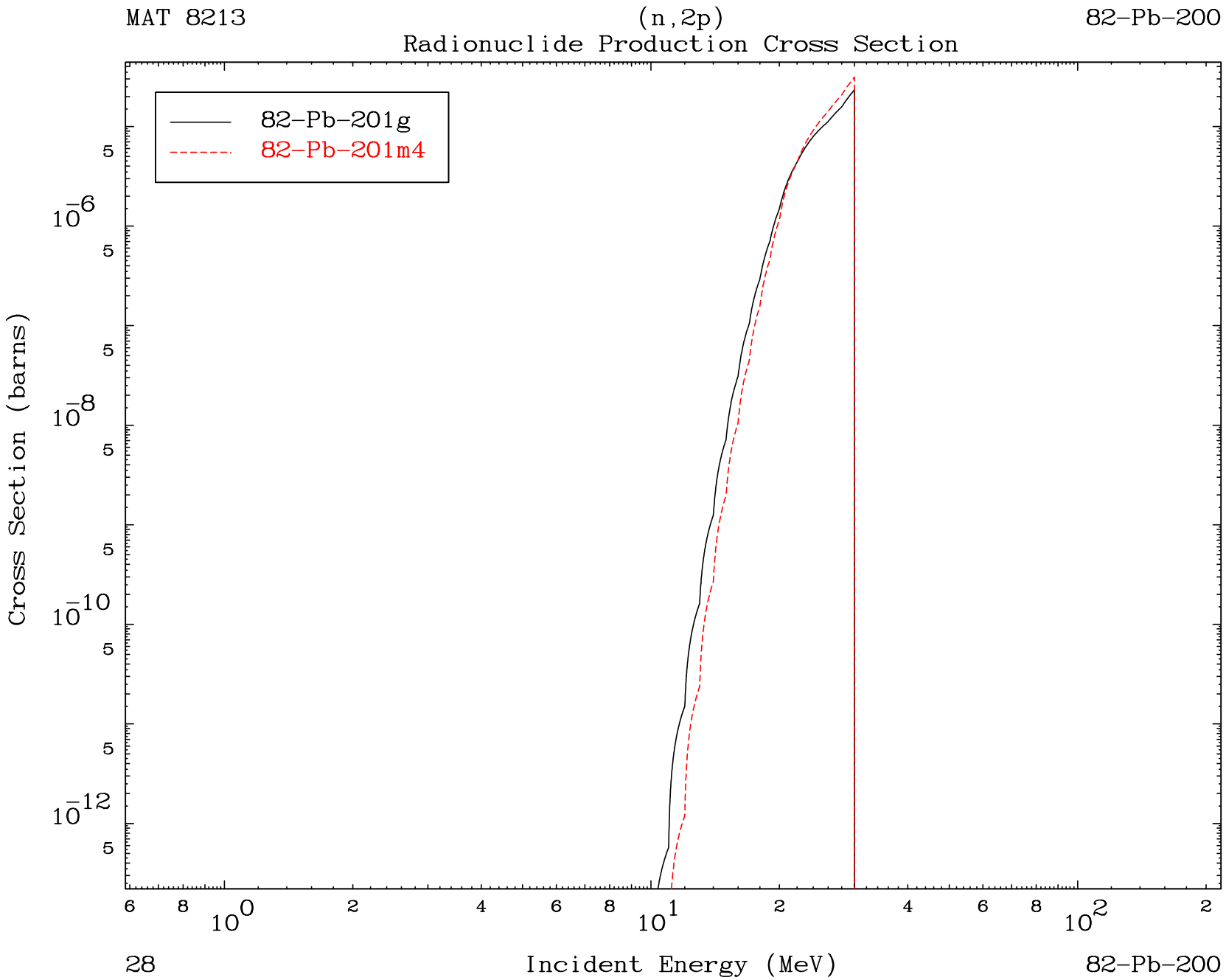

MAT 8213
(n,γ)
82-Pb-200
Radionuclide Production Cross Section
84-Po-203g
84-Po-203m5
Cross Section (barns)
Incident Energy (MeV)
23
82-Pb-200

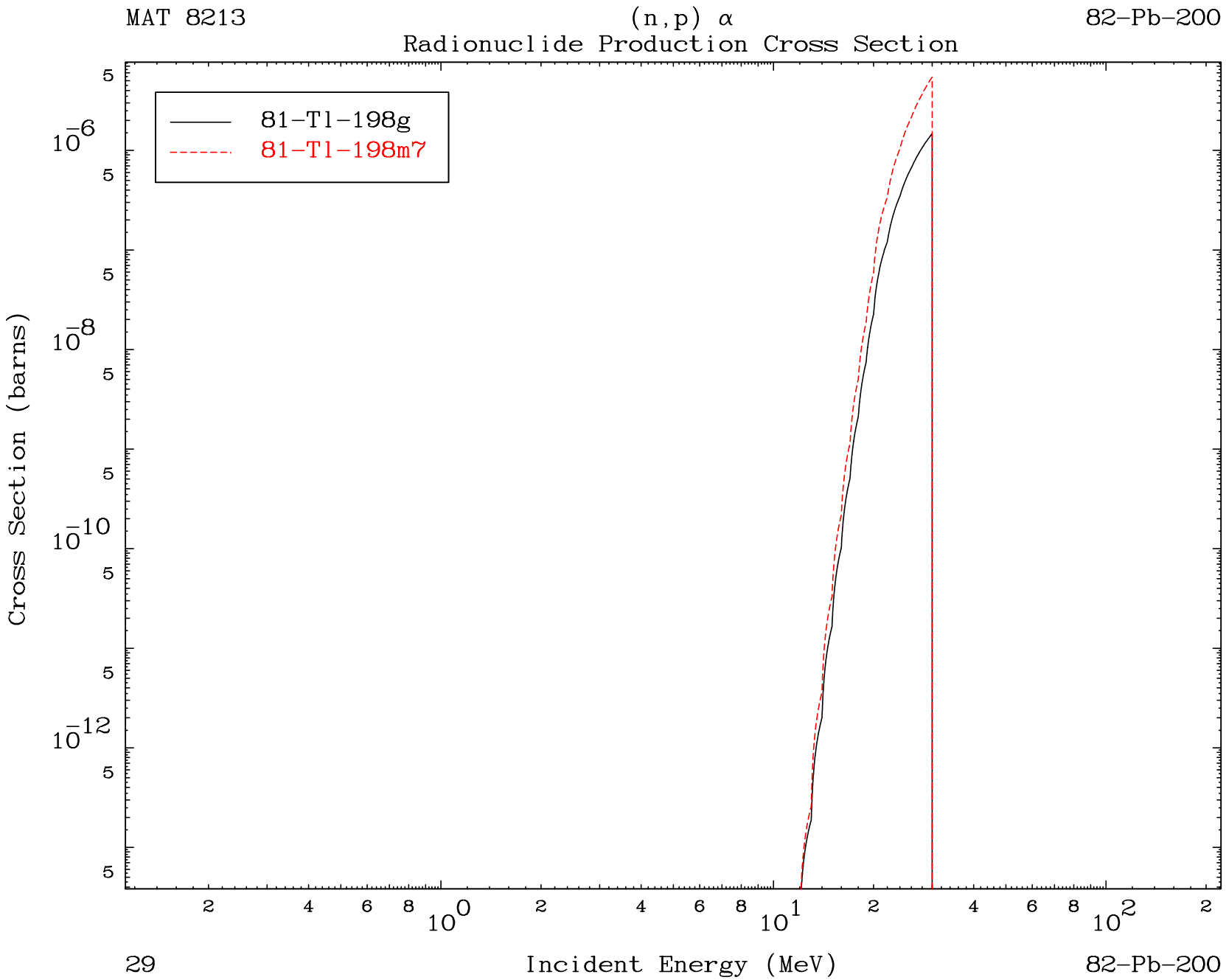

MAT 8213
(n,d)
82-Pb-200
Radionuclide Production Cross Section
83-Bi-201g
83-Bi-201m1
Cross Section (barns)
Incident Energy (MeV)
24
82-Pb-200

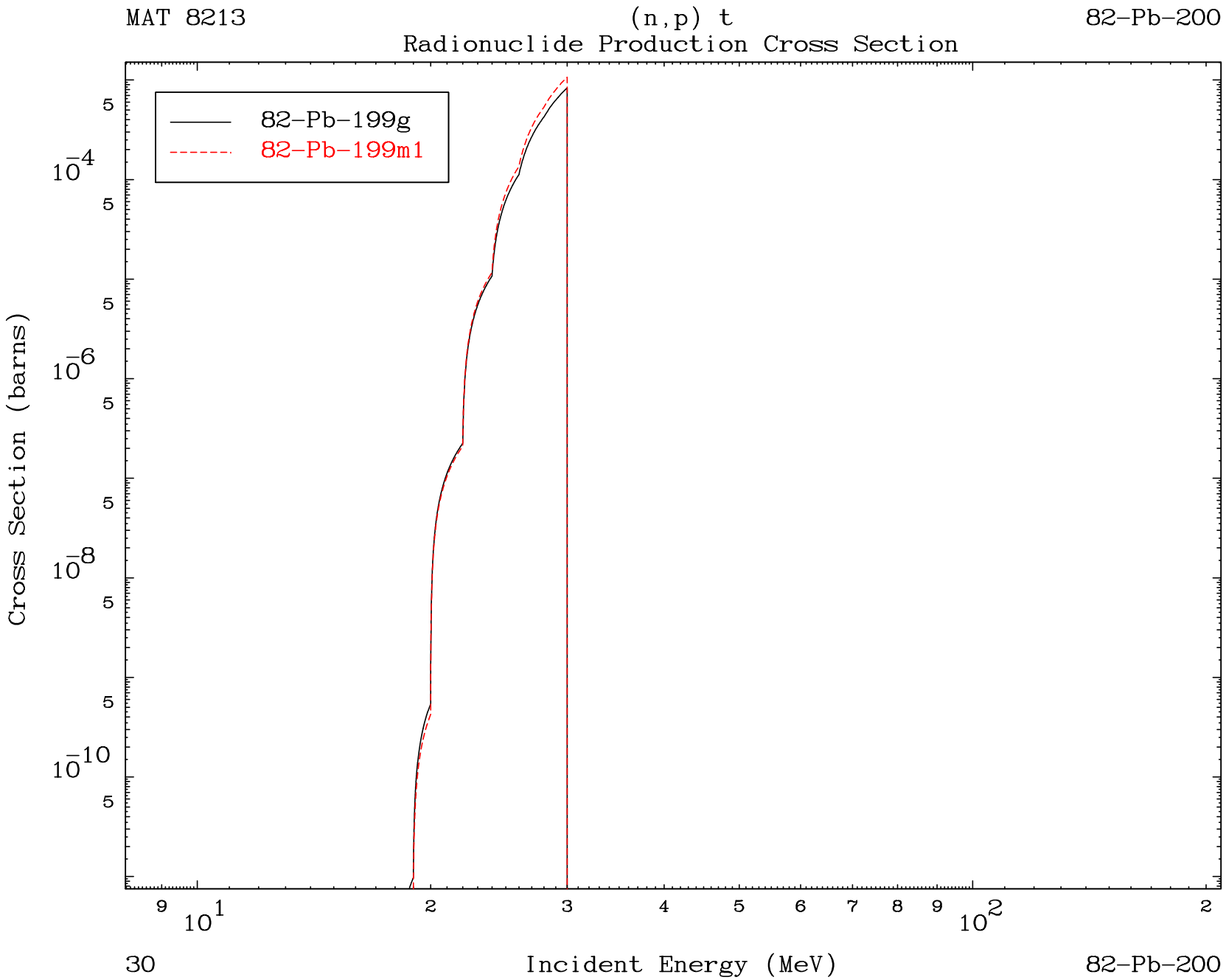

MAT 8213
(n,t)
82-Pb-200
Radionuclide Production Cross Section
83-Bi-200g
83-Bi-200m1
83-Bi-200m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
25
Incident Energy (MeV)
82-Pb-200

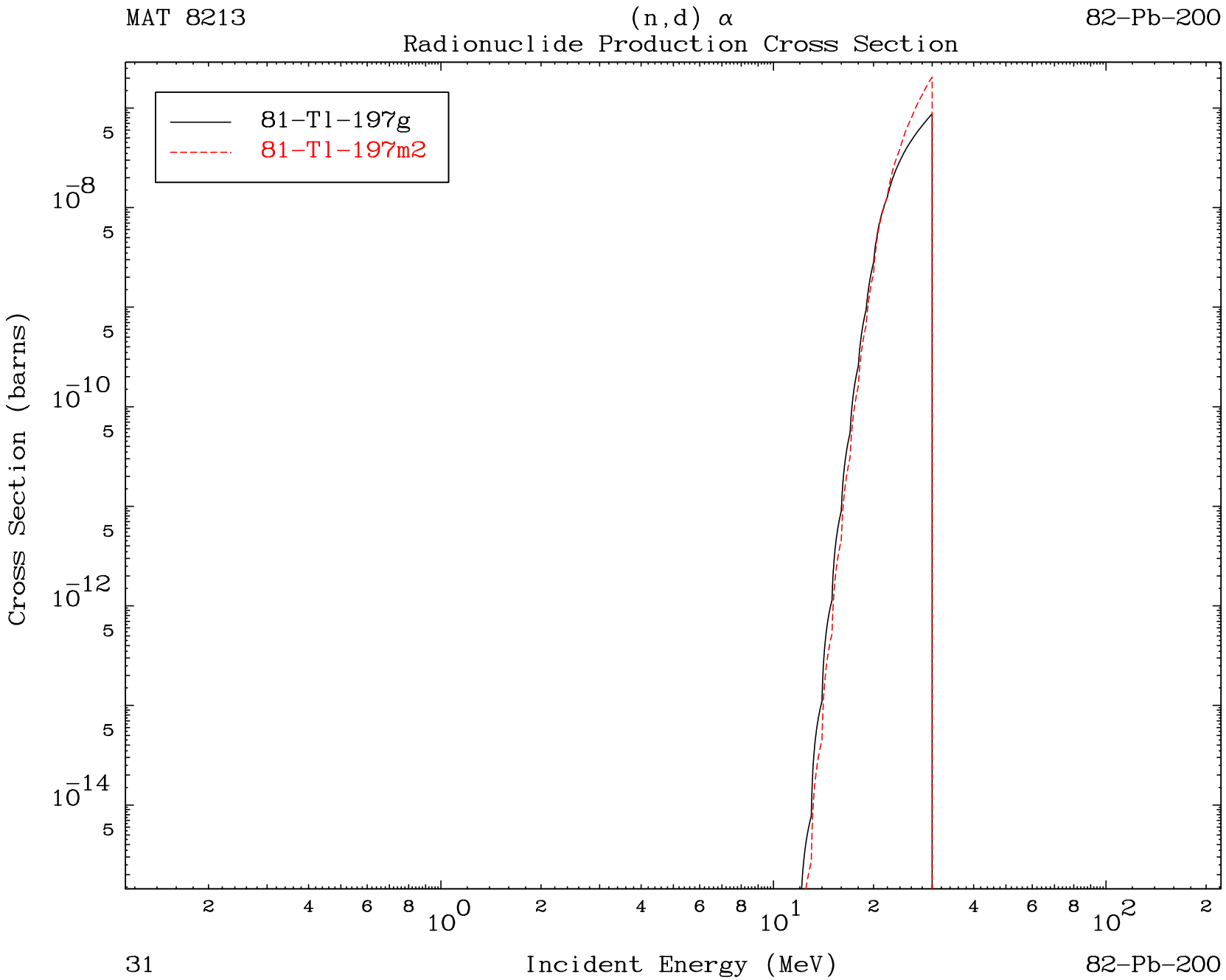

MAT 8213
(n,α)
82-Pb-200
Radionuclide Production Cross Section
82-Pb-199g
82-Pb-199m1
Cross Section (barns)
10-4
10-6
10-8
10-10
10^0
10^1
10^2
Incident Energy (MeV)
26
82-Pb-200


MAT 8213
(n,2α)
82-Pb-200
Radionuclide Production Cross Section
80-Hg-195g
80-Hg-195m3
Cross Section (barns)
Incident Energy (MeV)
27
82-Pb-200


MAT 8213
(n,2p)
82-Pb-200
Radionuclide Production Cross Section
82-Pb-201g
82-Pb-201m4
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
28
82-Pb-200


MAT 8213
(n,p) α
82-Pb-200
Radionuclide Production Cross Section
81-Tl-198g
81-Tl-198m7
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
29
82-Pb-200


MAT 8213
(n,p) t
82-Pb-200
Radionuclide Production Cross Section
82-Pb-199g
82-Pb-199m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
30
Incident Energy (MeV)
82-Pb-200


MAT 8213
(n,d) α
82-Pb-200
Radionuclide Production Cross Section
81-Tl-197g
81-Tl-197m2
Cross Section (barns)
10-8
10-10
10-12
10-14
100
101
102
Incident Energy (MeV)
31
82-Pb-200