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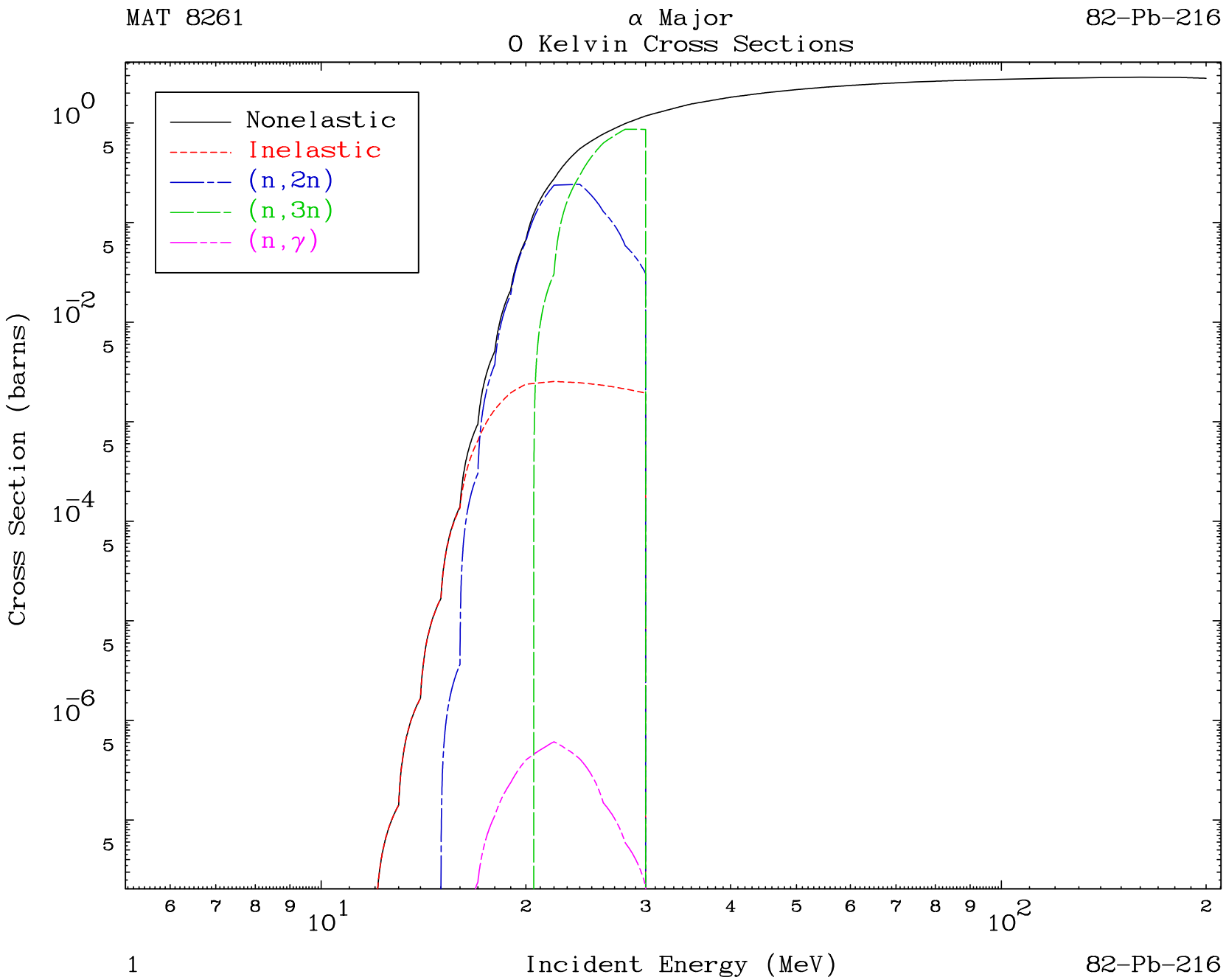
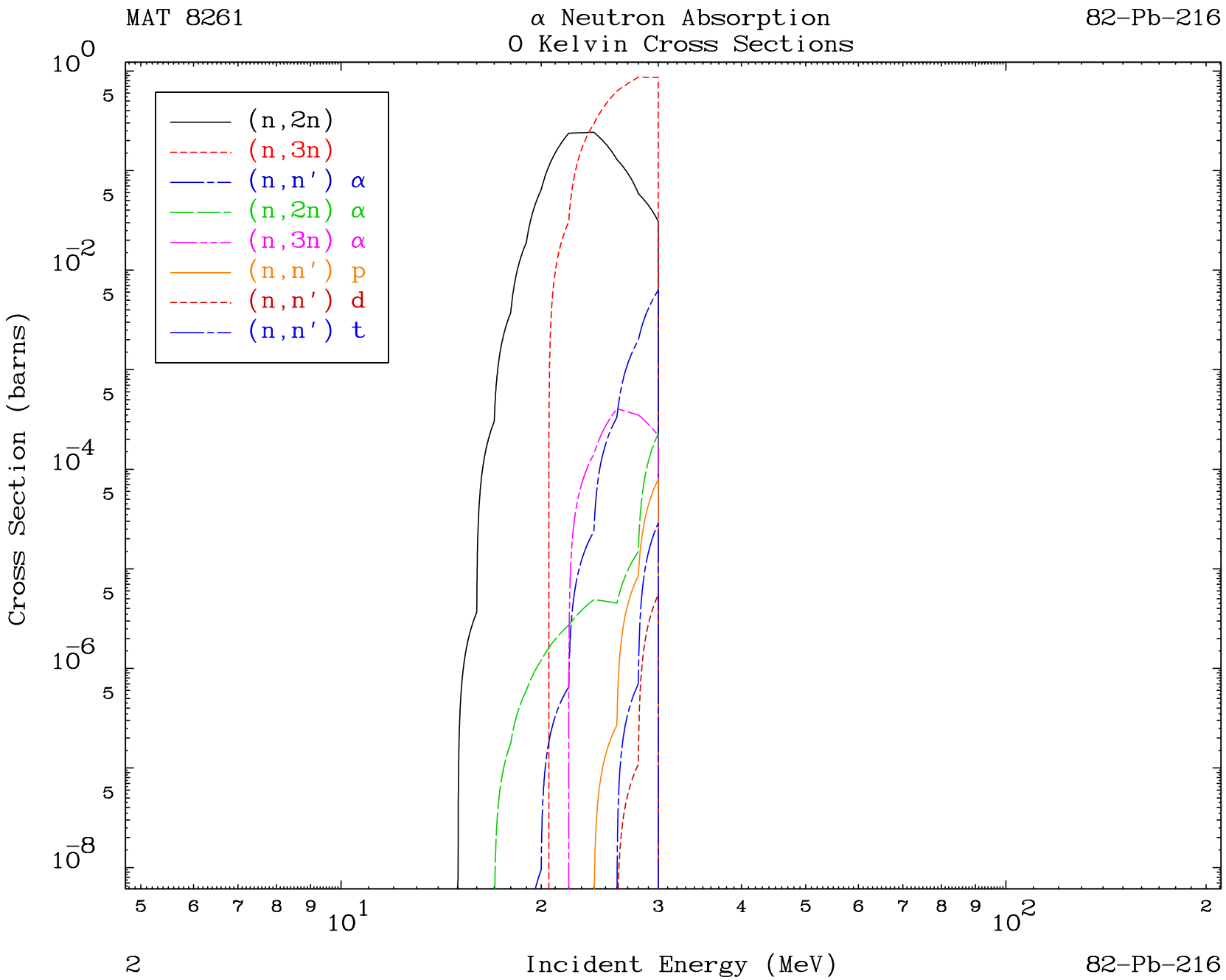
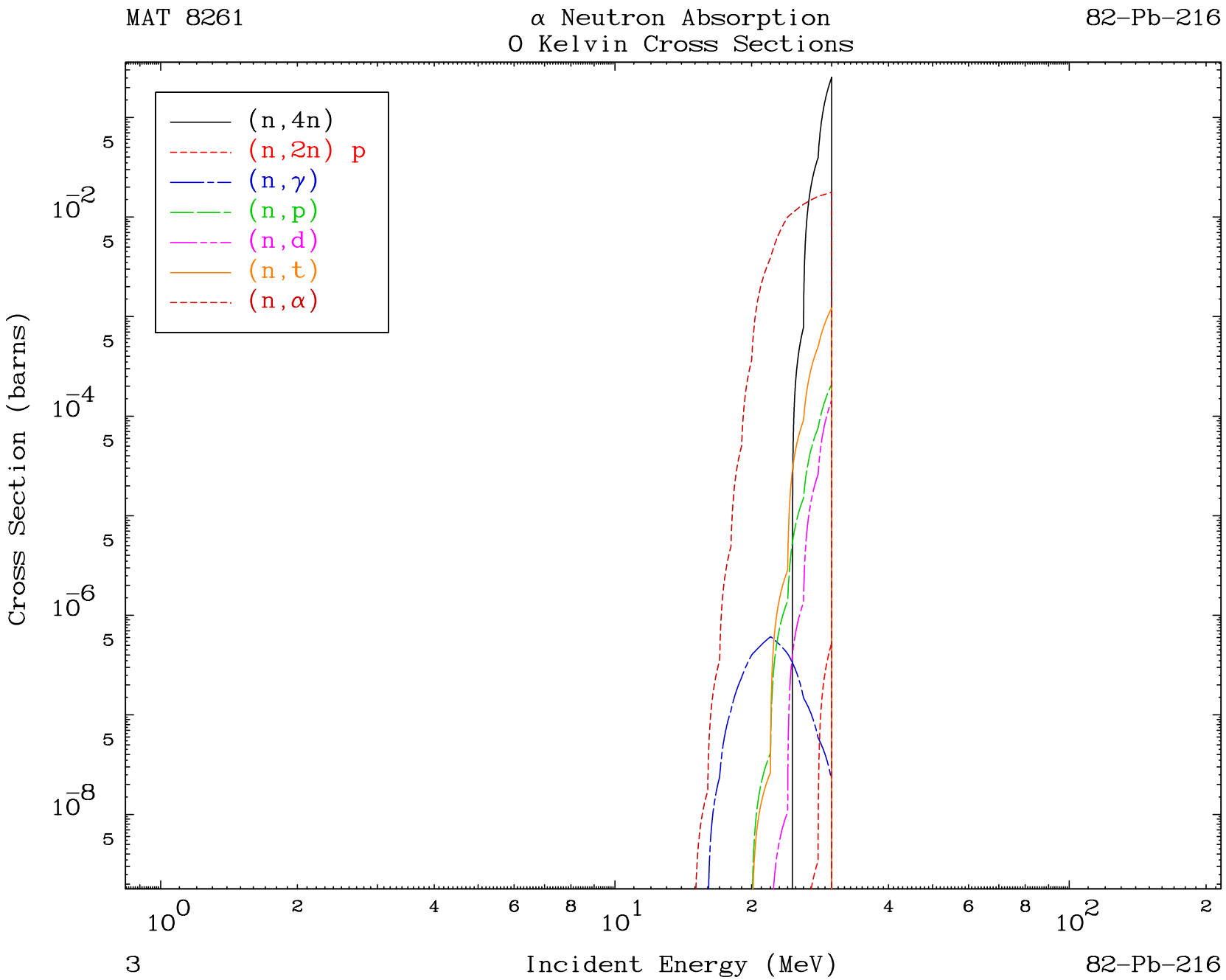
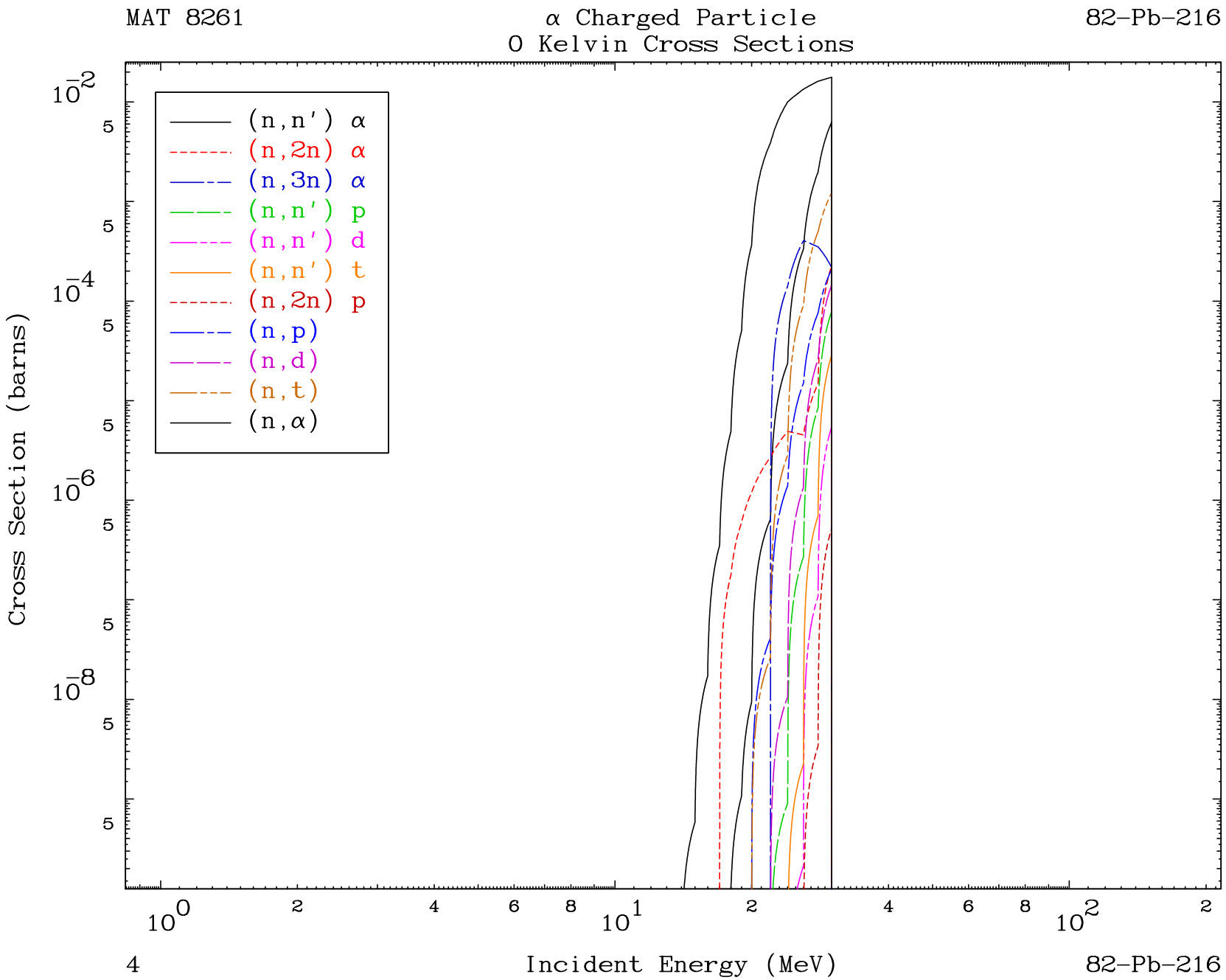
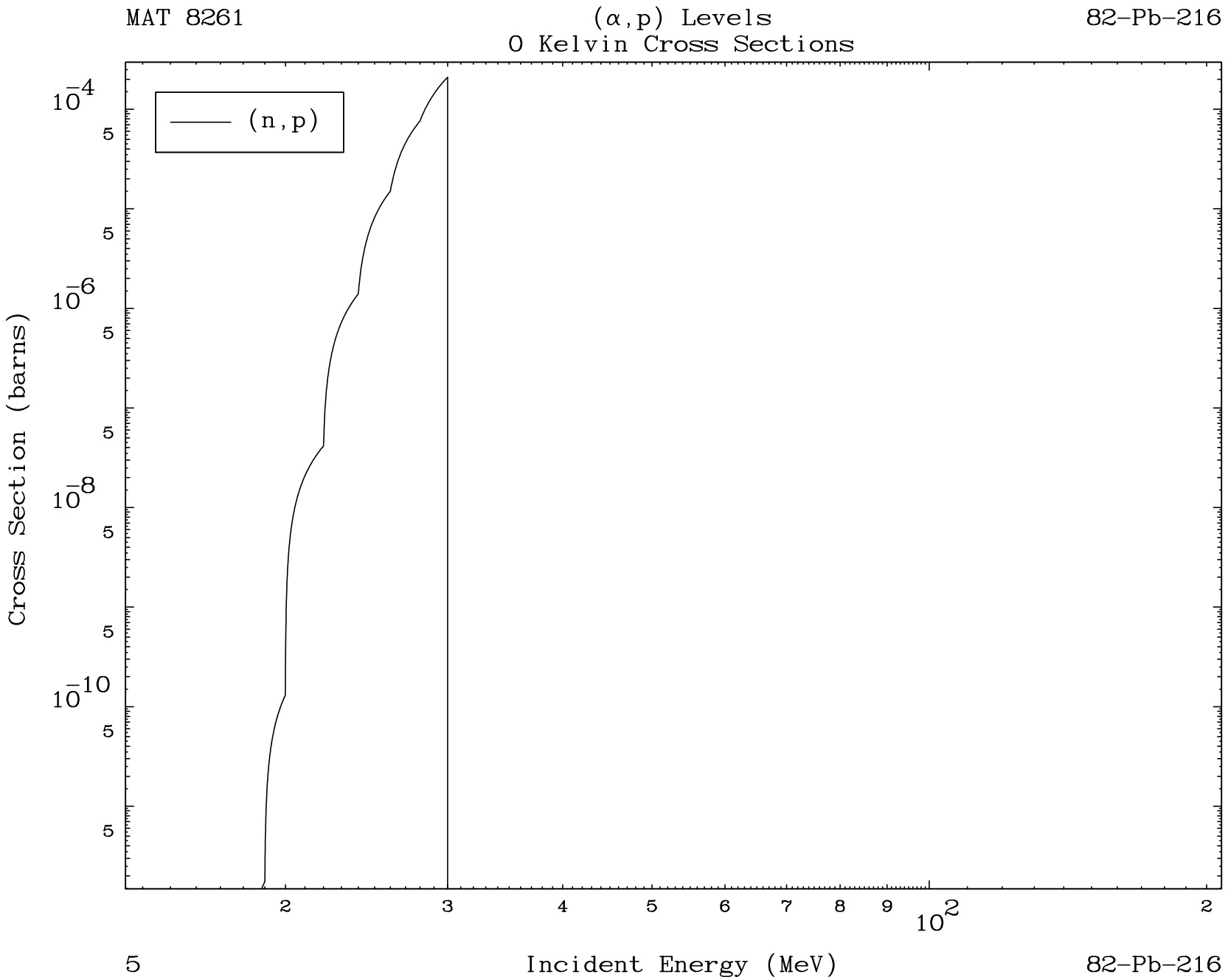
Press Mouse Button to Start

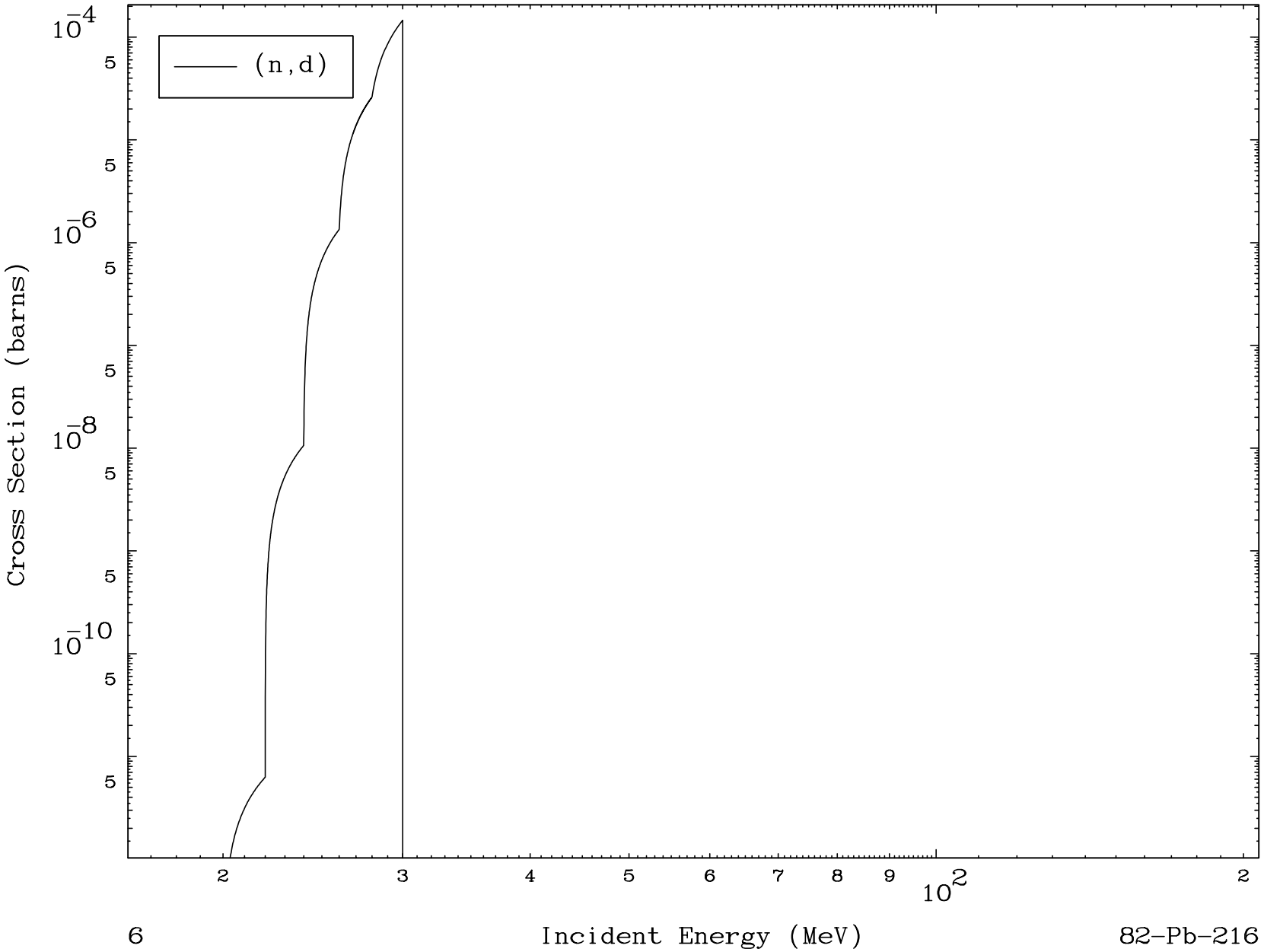

MAT 8261
α Major
82-Pb-216
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
82-Pb-216


MAT 8261
α Neutron Absorption
0 Kelvin Cross Sections
82-Pb-216
(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-216


MAT 8261
α Neutron Absorption
0 Kelvin Cross Sections
82-Pb-216
(n,4n)
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
82-Pb-216

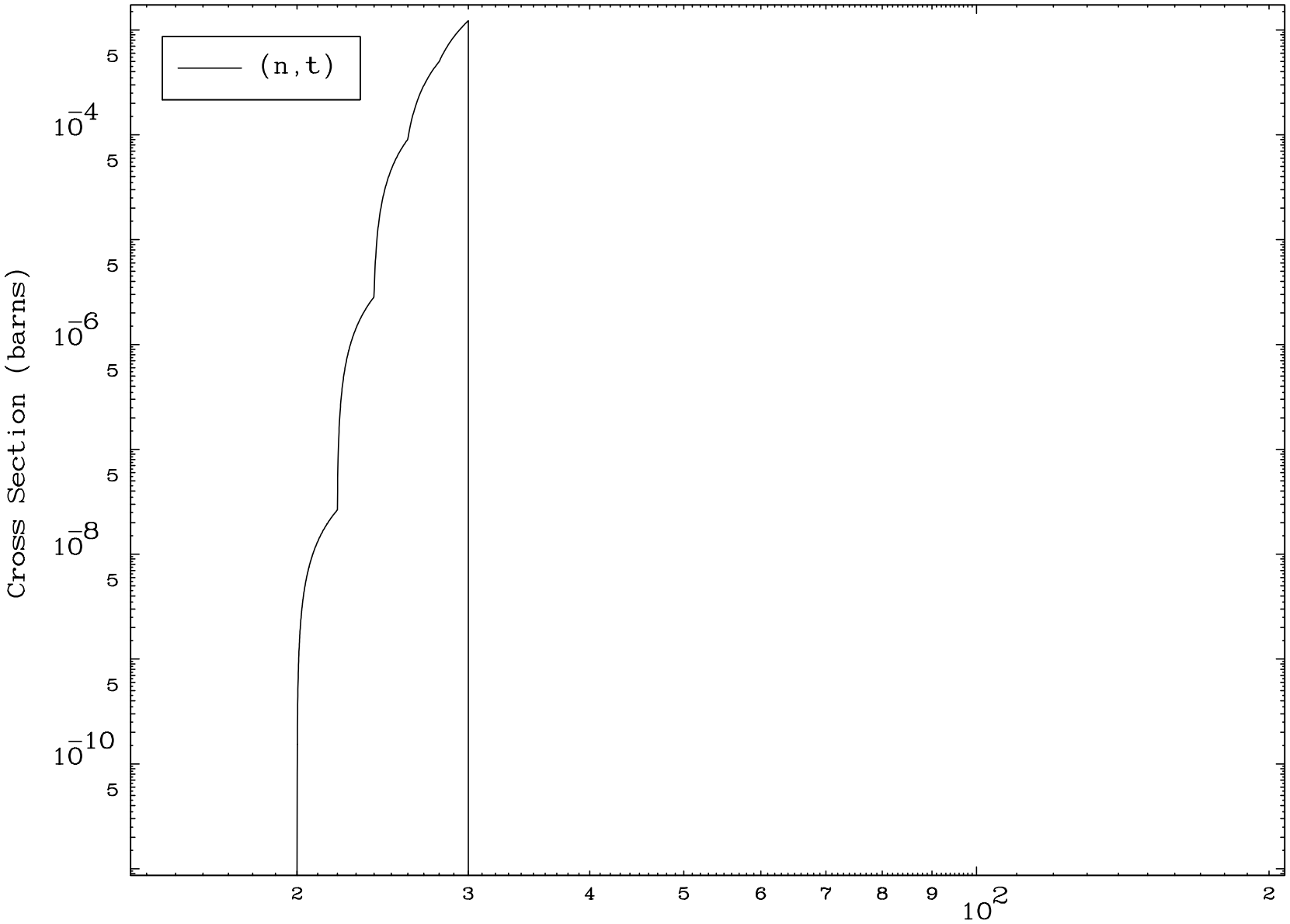

MAT 8261
α Charged Particle
0 Kelvin Cross Sections
82-Pb-216
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
4
82-Pb-216

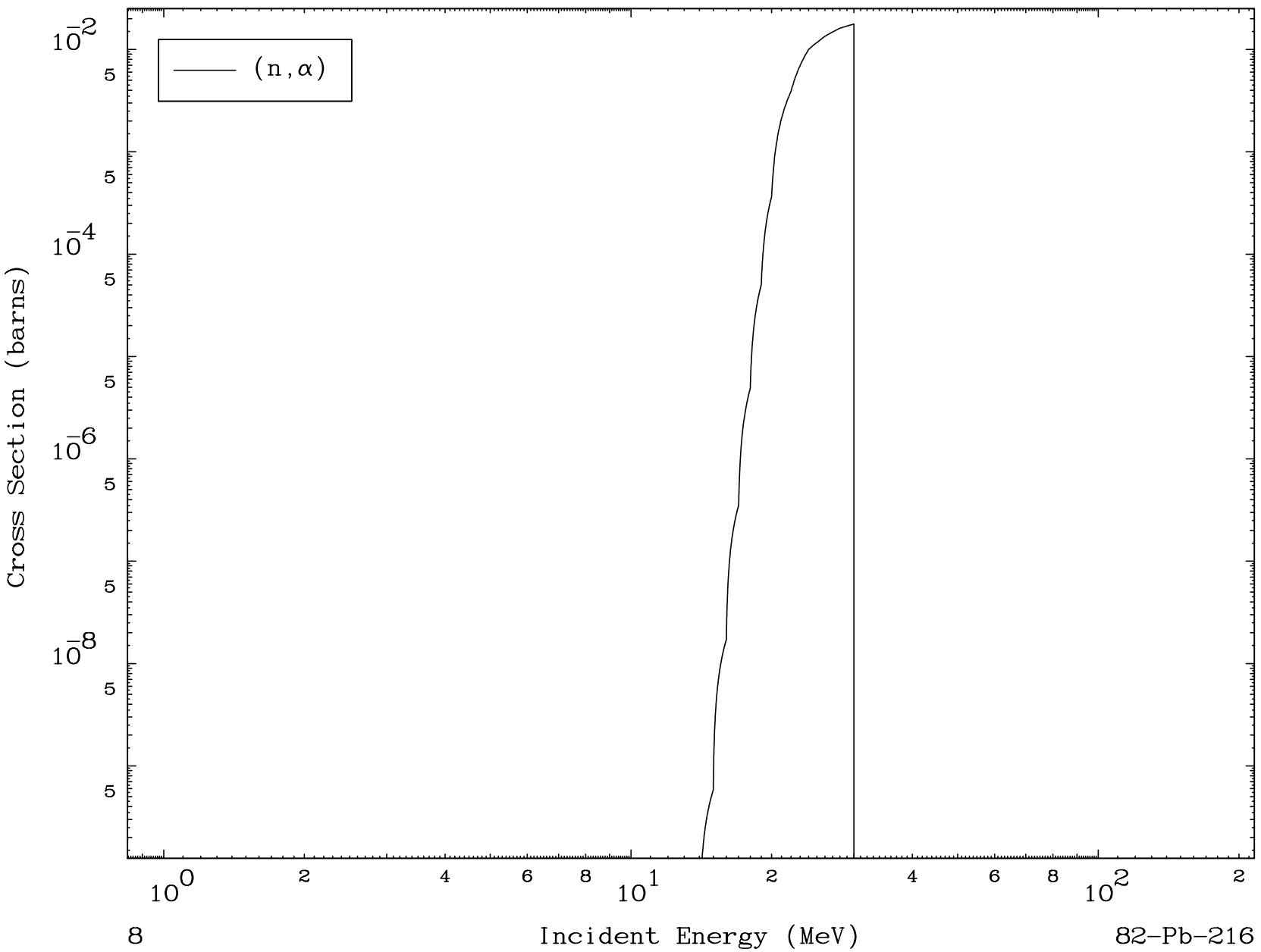

MAT 8261
(α,p) Levels
82-Pb-216
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
82-Pb-216

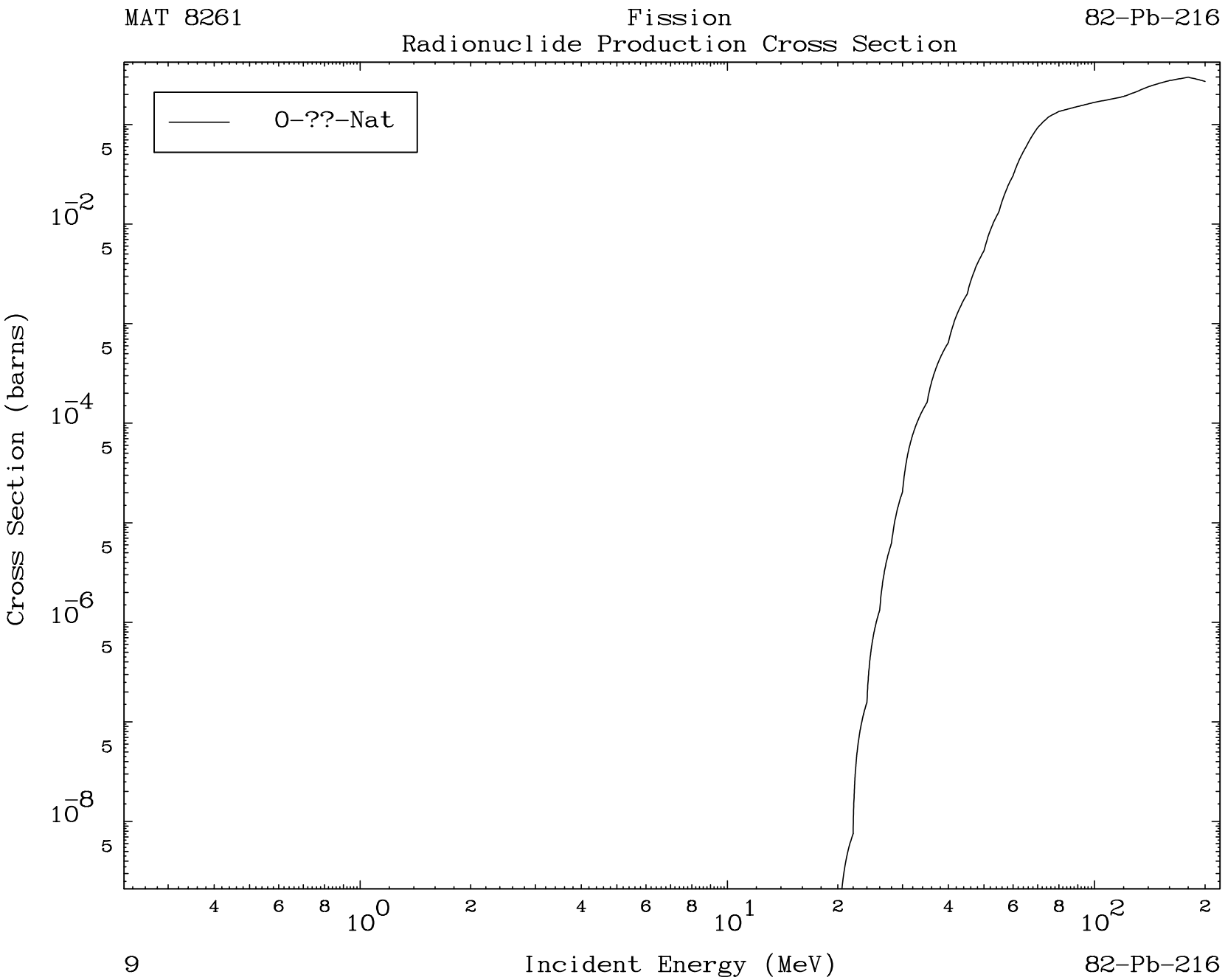

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

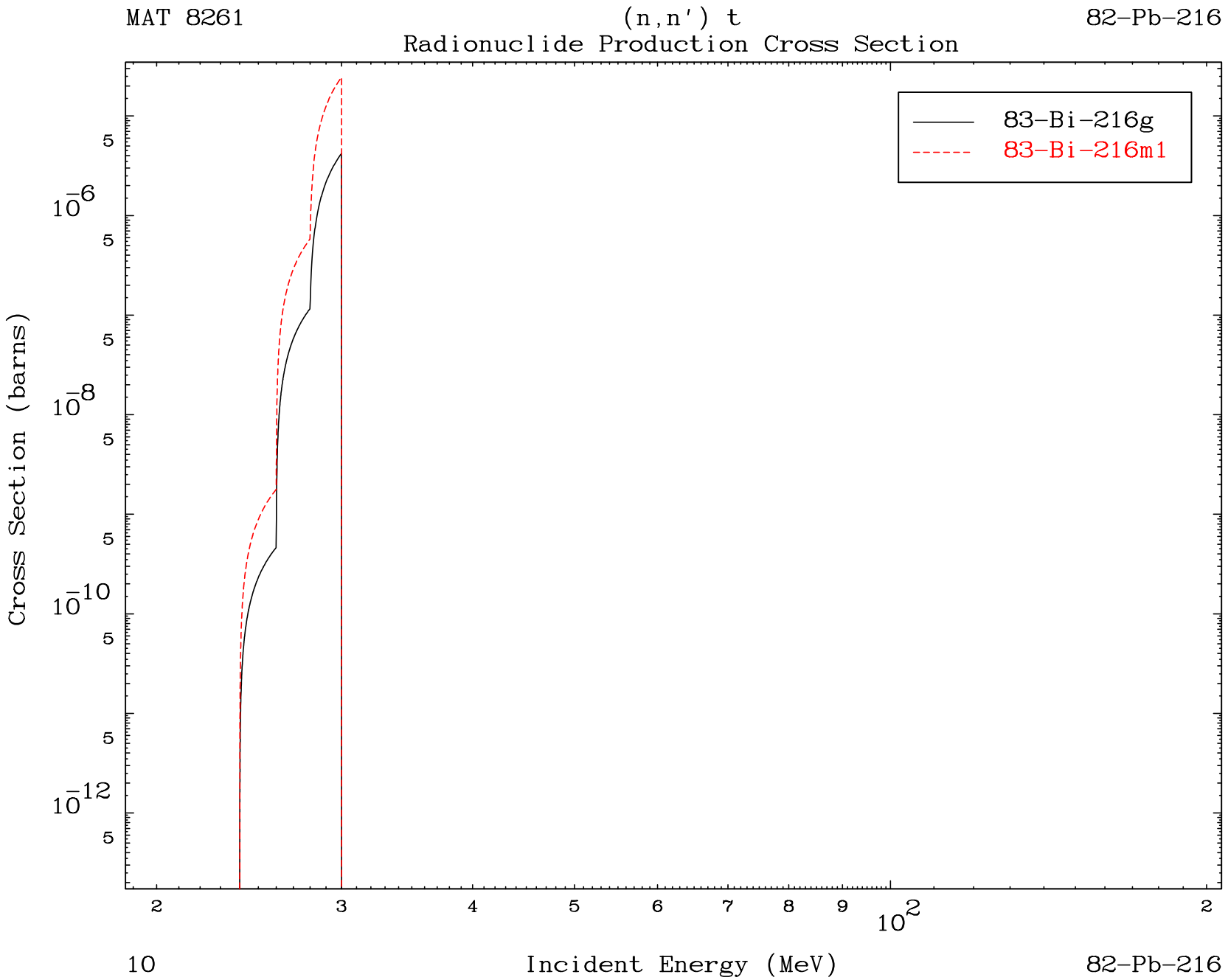
MAT 8261 (α,t) Levels 82-Pb-216

0 Kelvin Cross Sections




0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
5
100
2
4
6
8
101
2
4
6
8
102
2
Incident Energy (MeV)


MAT 8261
Fission
82-Pb-216
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
9
82-Pb-216


MAT 8261
(n,n') t
82-Pb-216
Radionuclide Production Cross Section
83-Bi-216g
83-Bi-216m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
82-Pb-216