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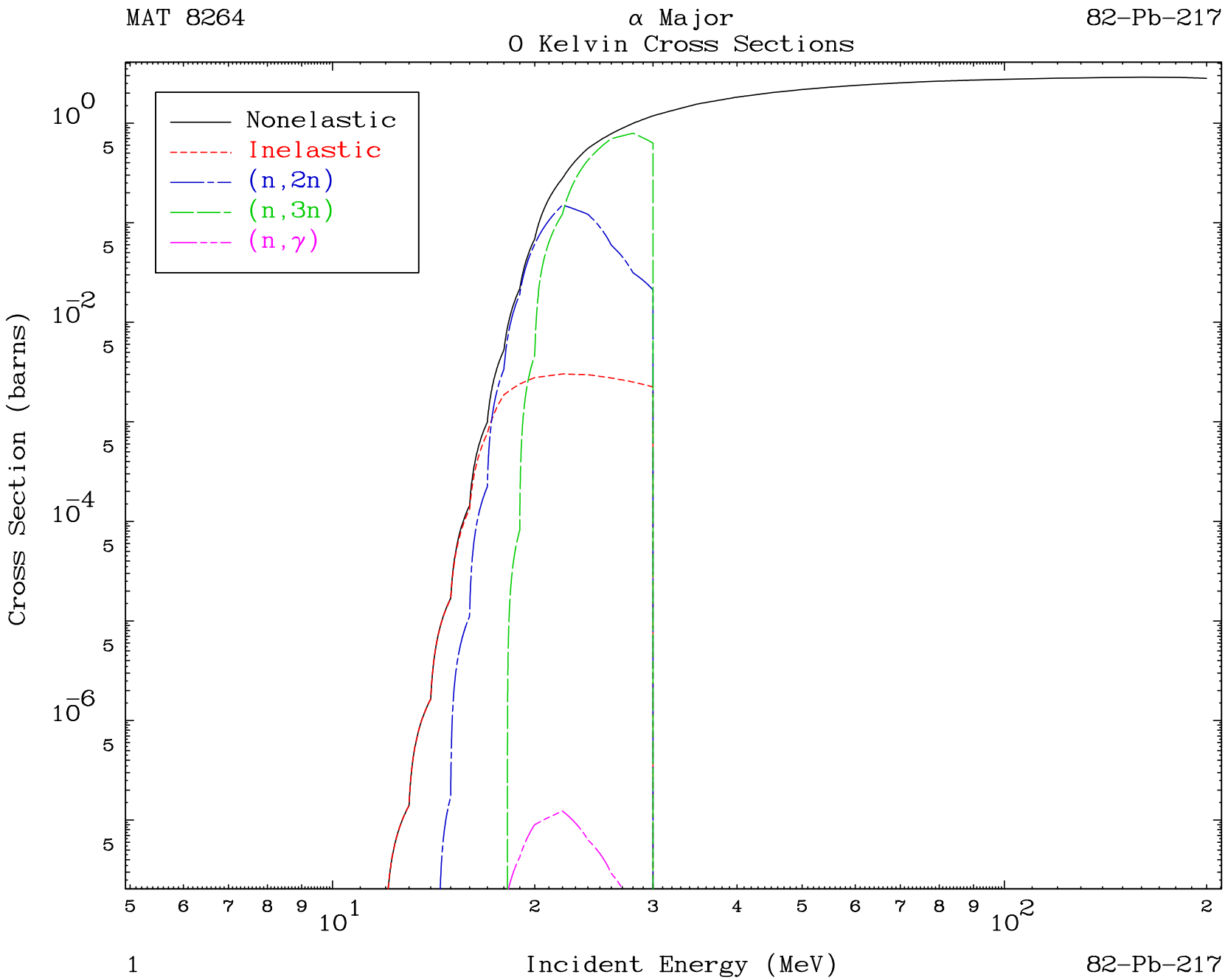
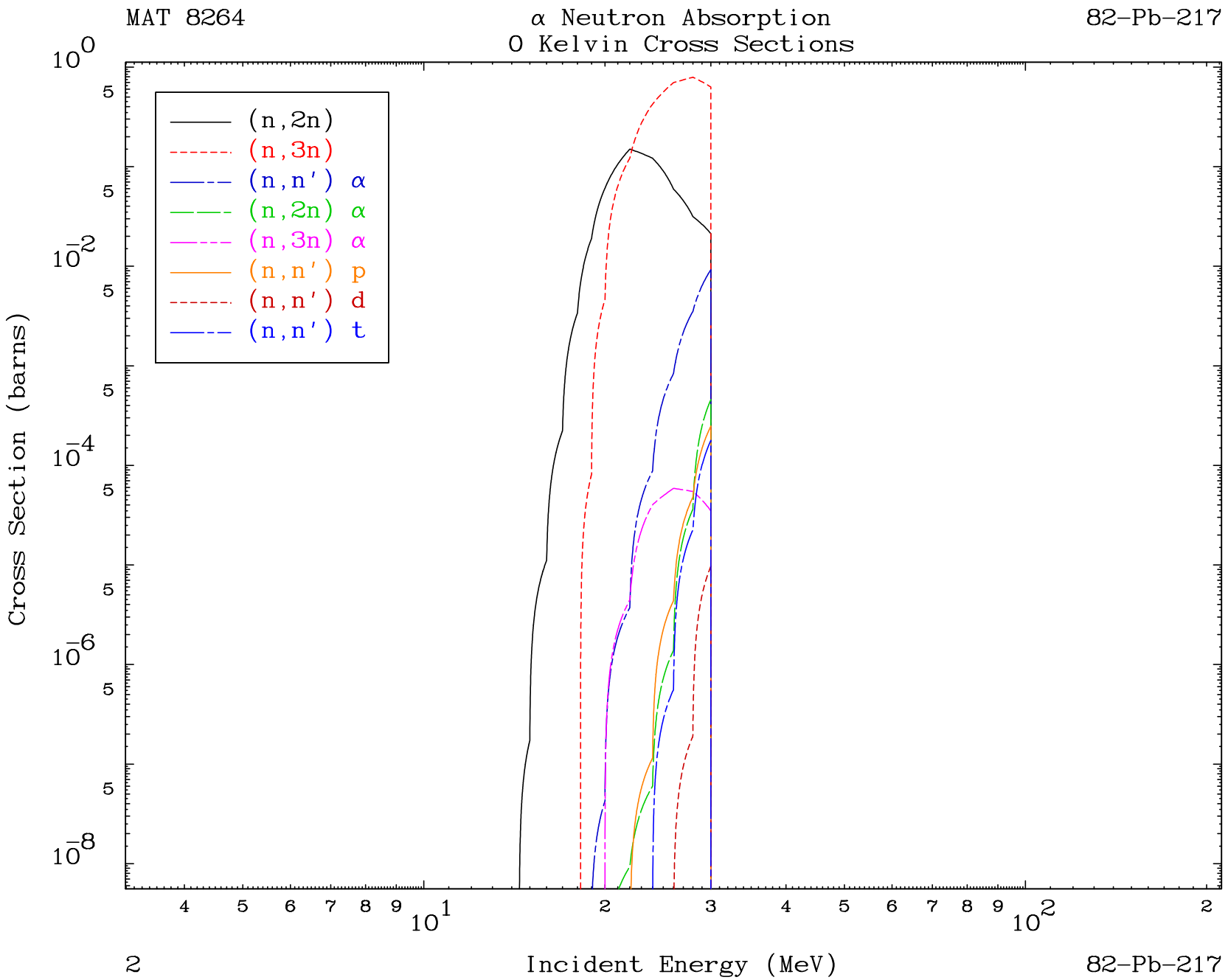
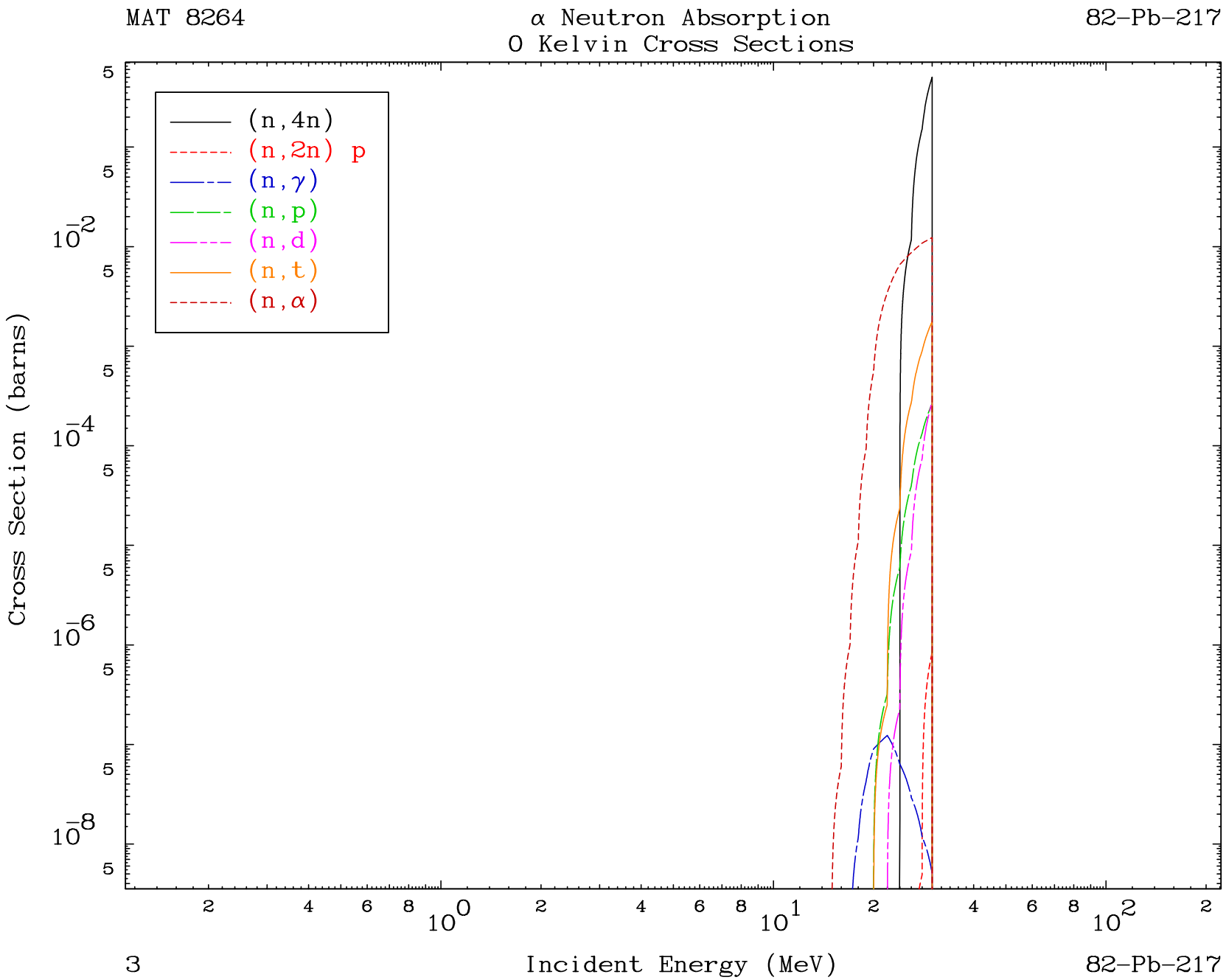
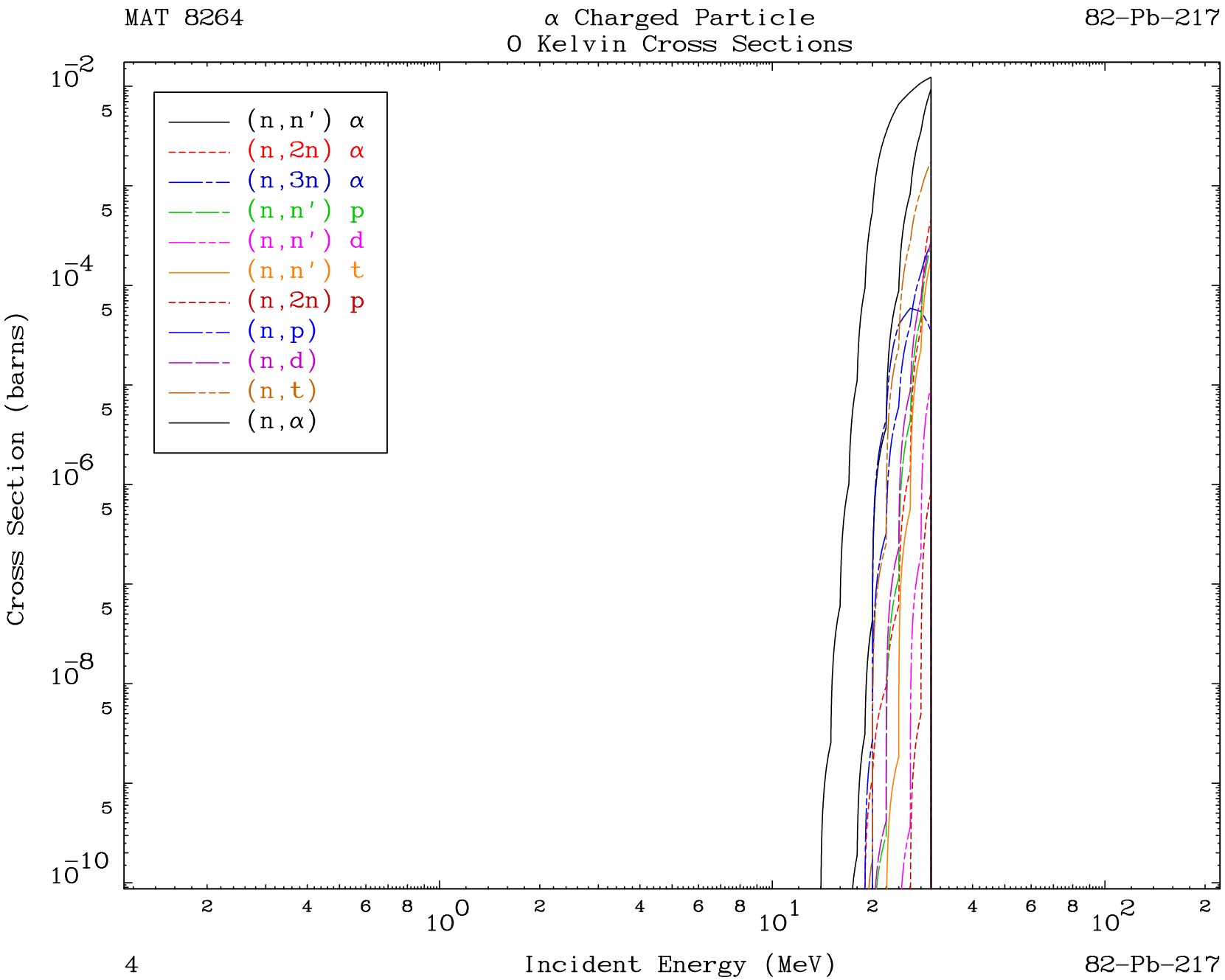
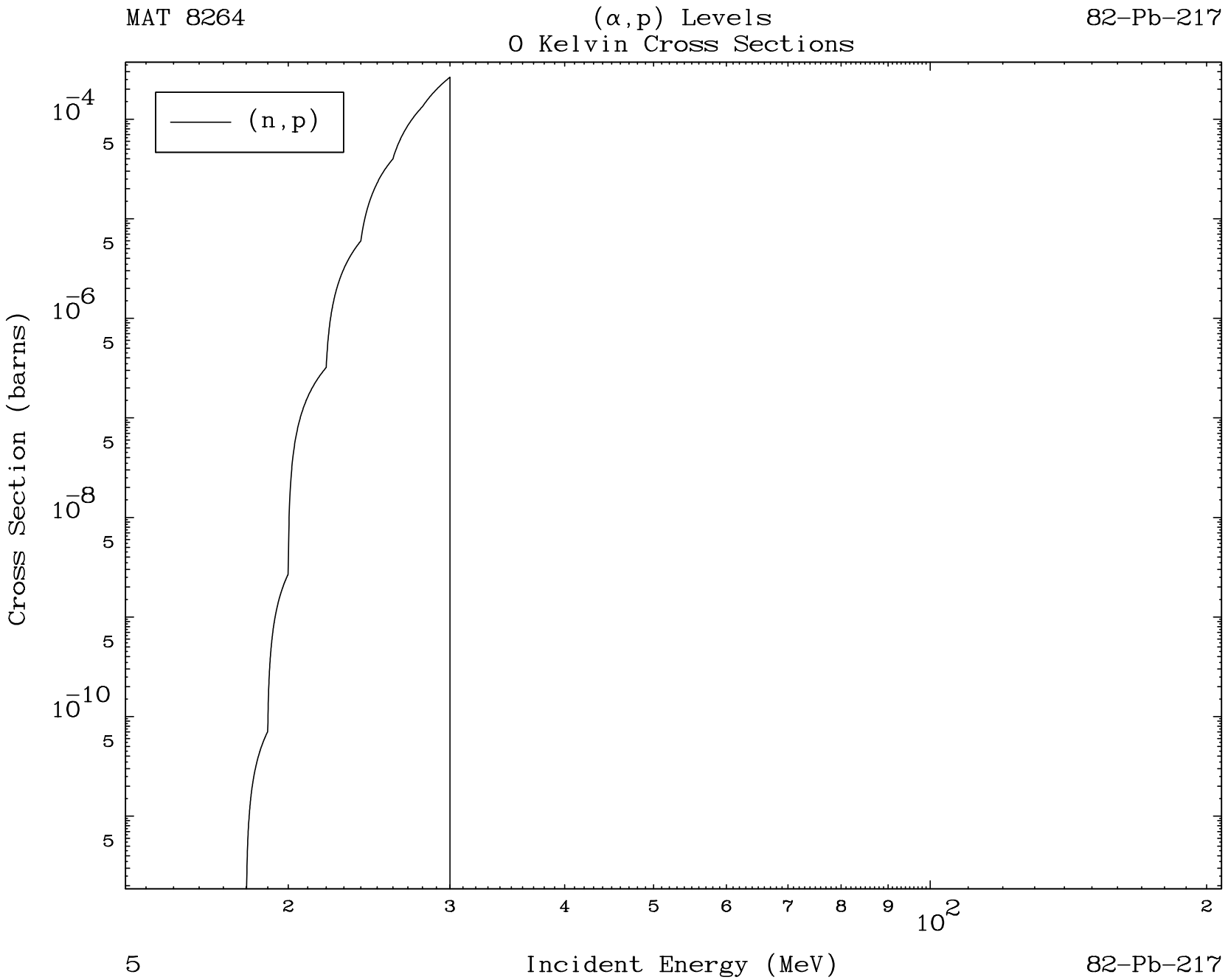
Press Mouse Button to Start


MAT 8264
α Major
82-Pb-217
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
6
7
8
9
10^1
2
3
4
5
6
7
8
9
10^2
2
1
Incident Energy (MeV)
82-Pb-217

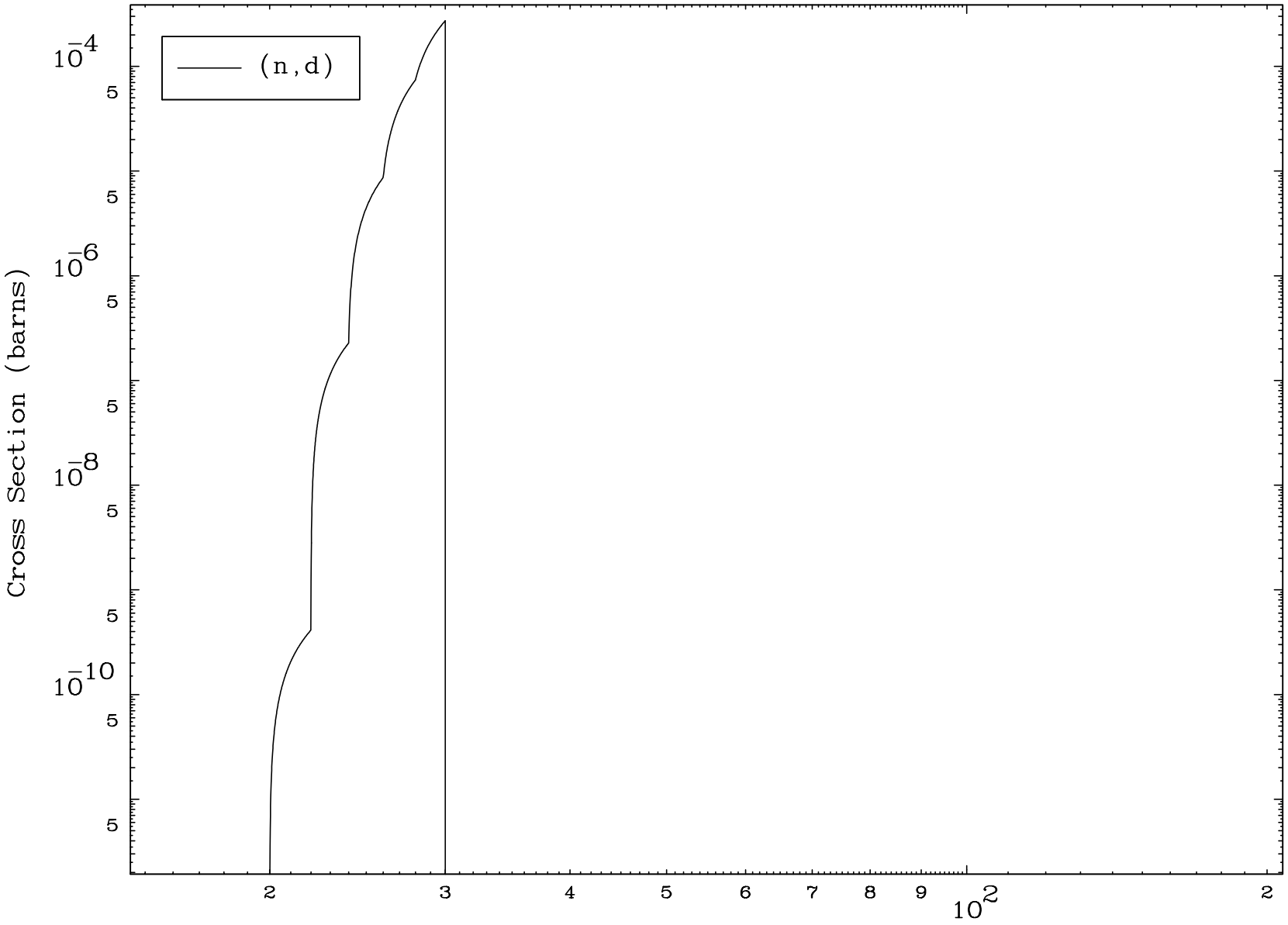

MAT 8264
α Neutron Absorption
0 Kelvin Cross Sections
82-Pb-217
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
82-Pb-217

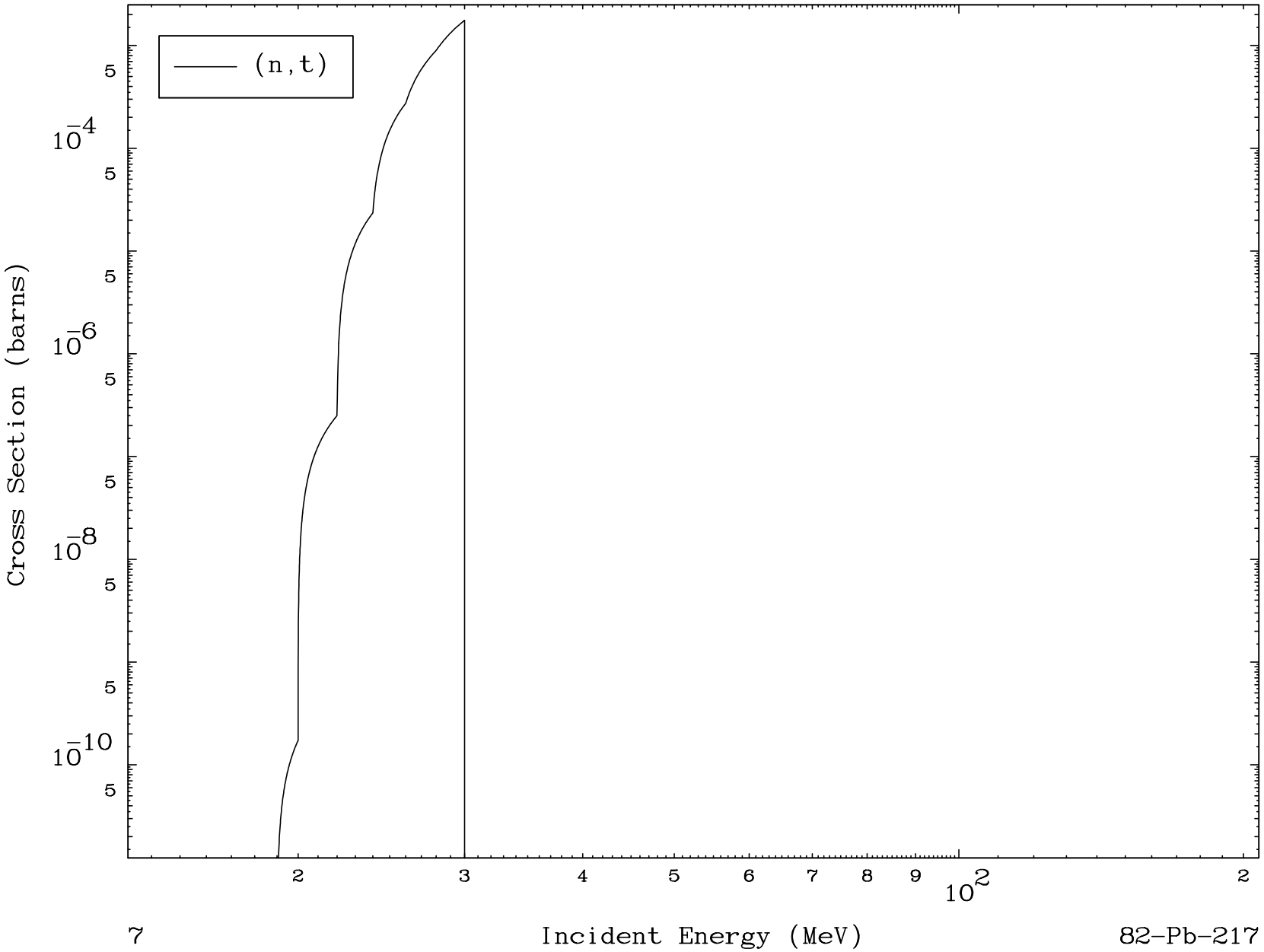

MAT 8264
α Neutron Absorption
0 Kelvin Cross Sections
82-Pb-217
(n,4n)
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
82-Pb-217

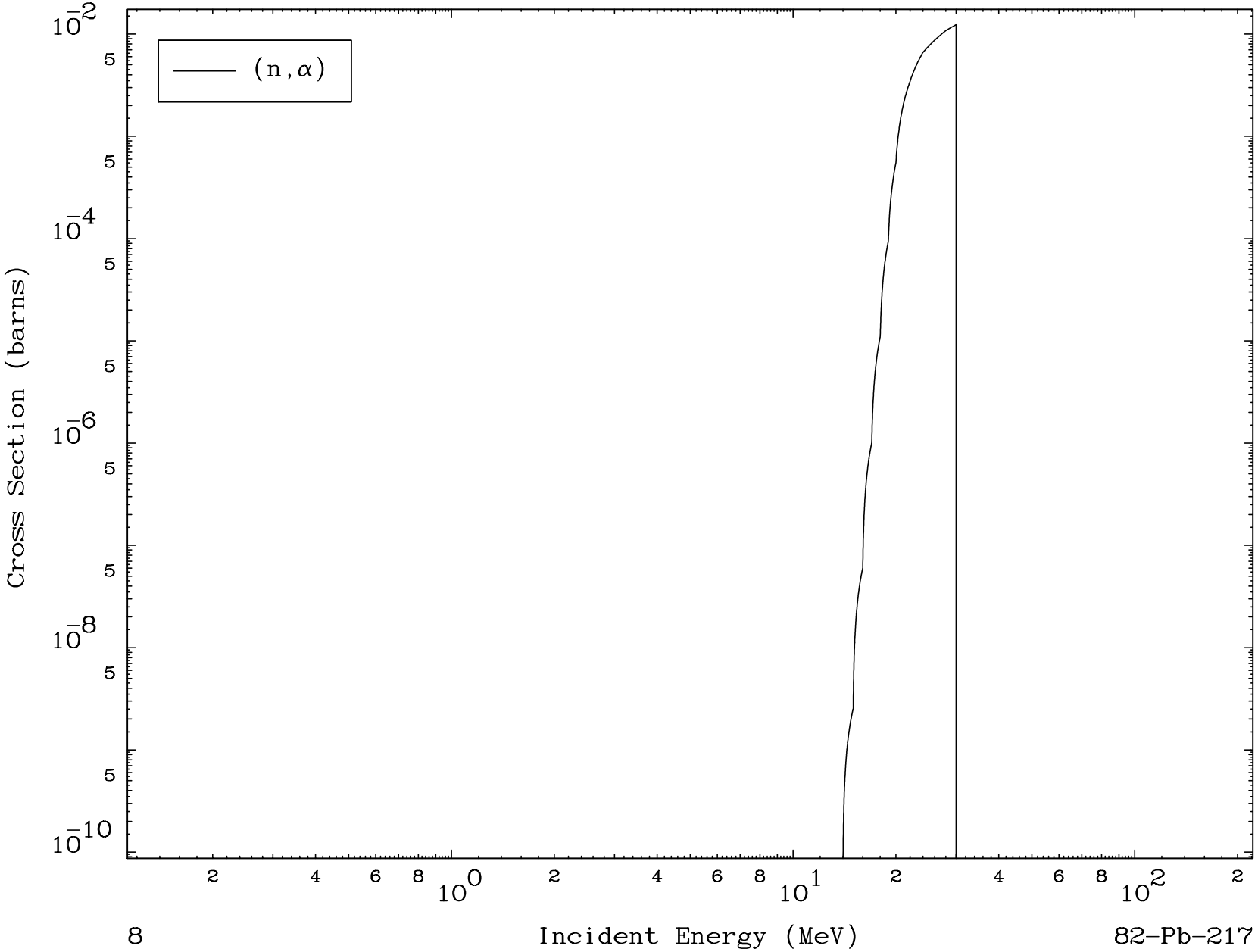

MAT 8264
α Charged Particle
0 Kelvin Cross Sections
82-Pb-217
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
4
82-Pb-217

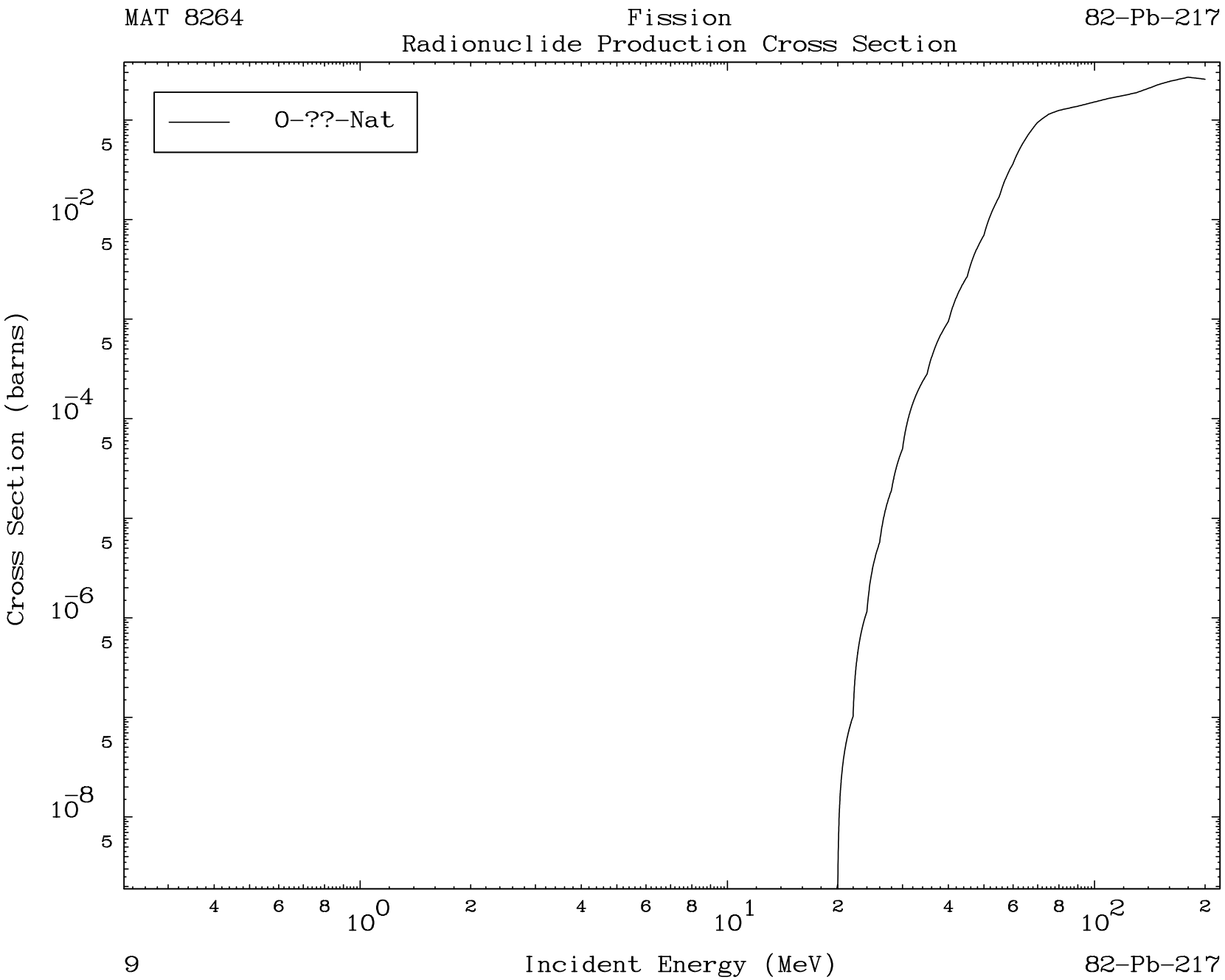

MAT 8264
(α,p) Levels
82-Pb-217
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
82-Pb-217

0 Kelvin Cross Sections




0 Kelvin Cross Sections
(n,t)
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)


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


MAT 8264
Fission
82-Pb-217
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
9
82-Pb-217