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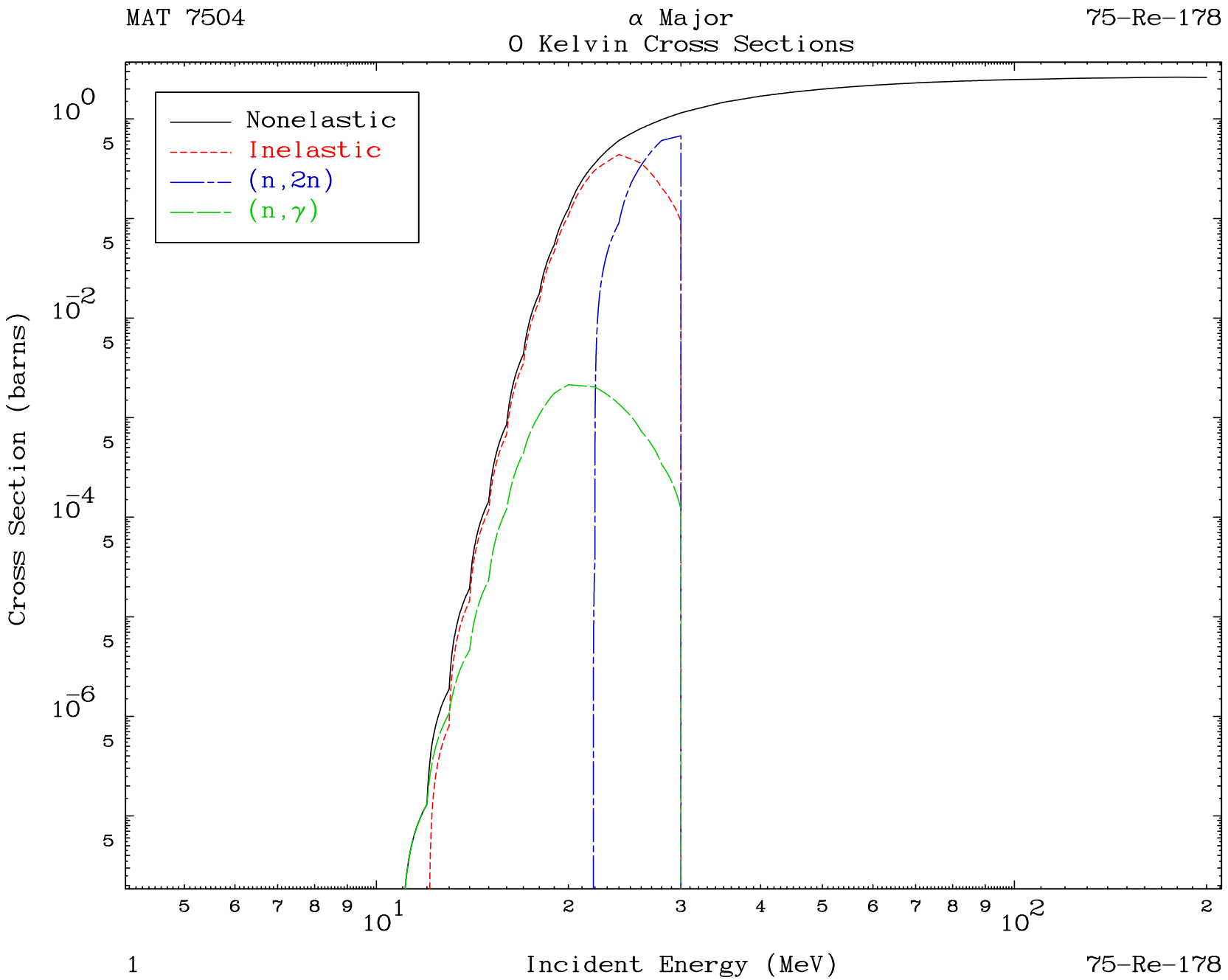
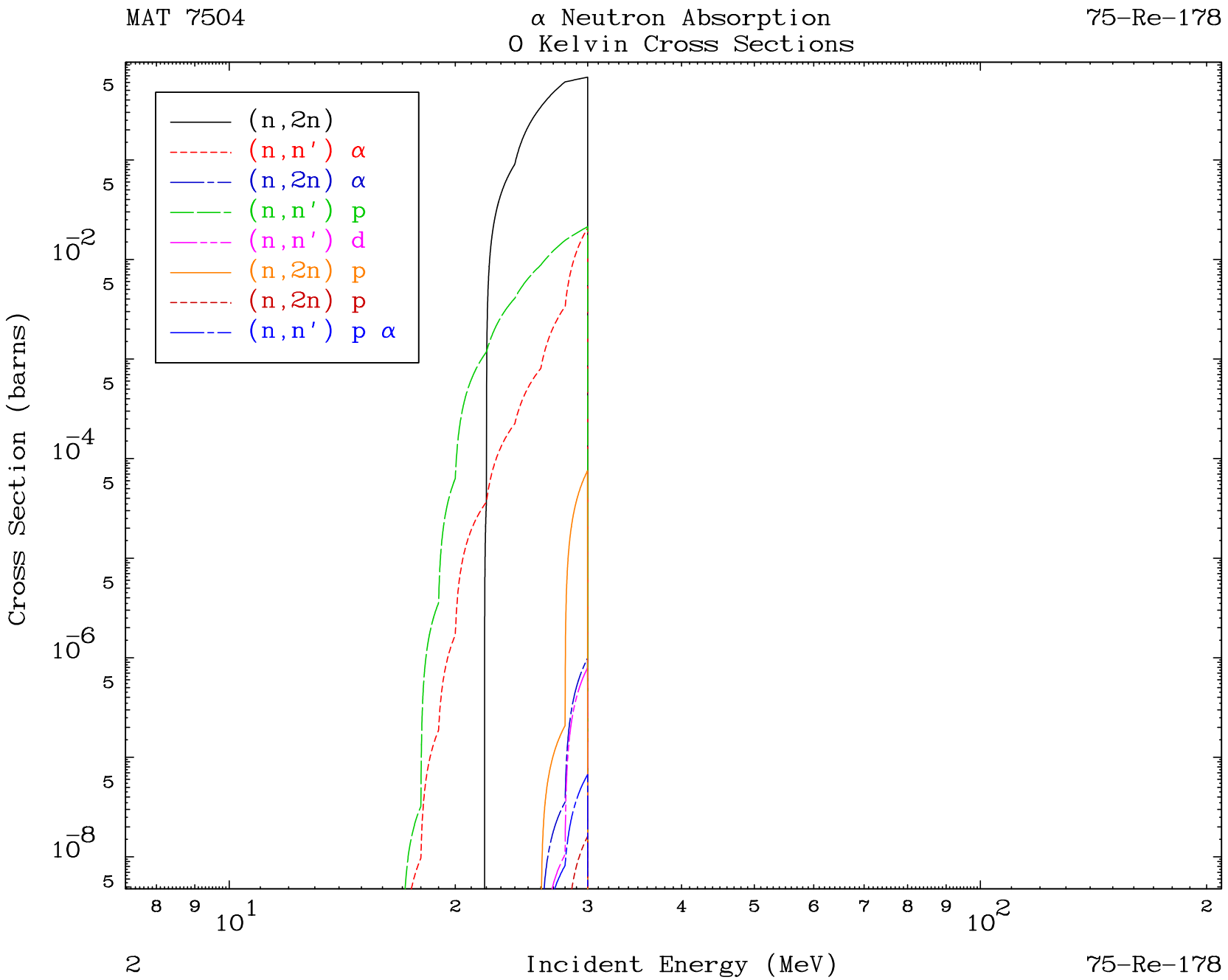
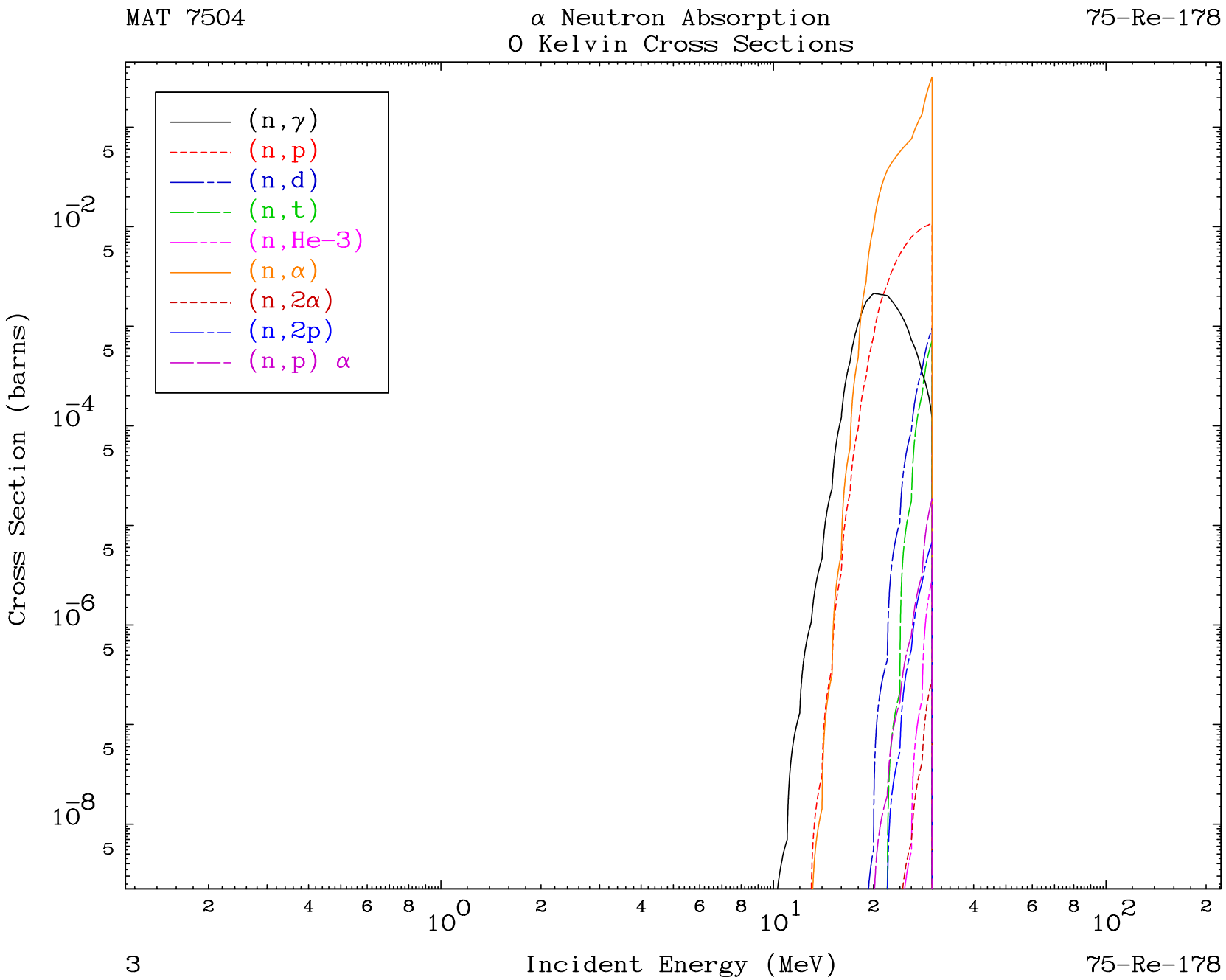
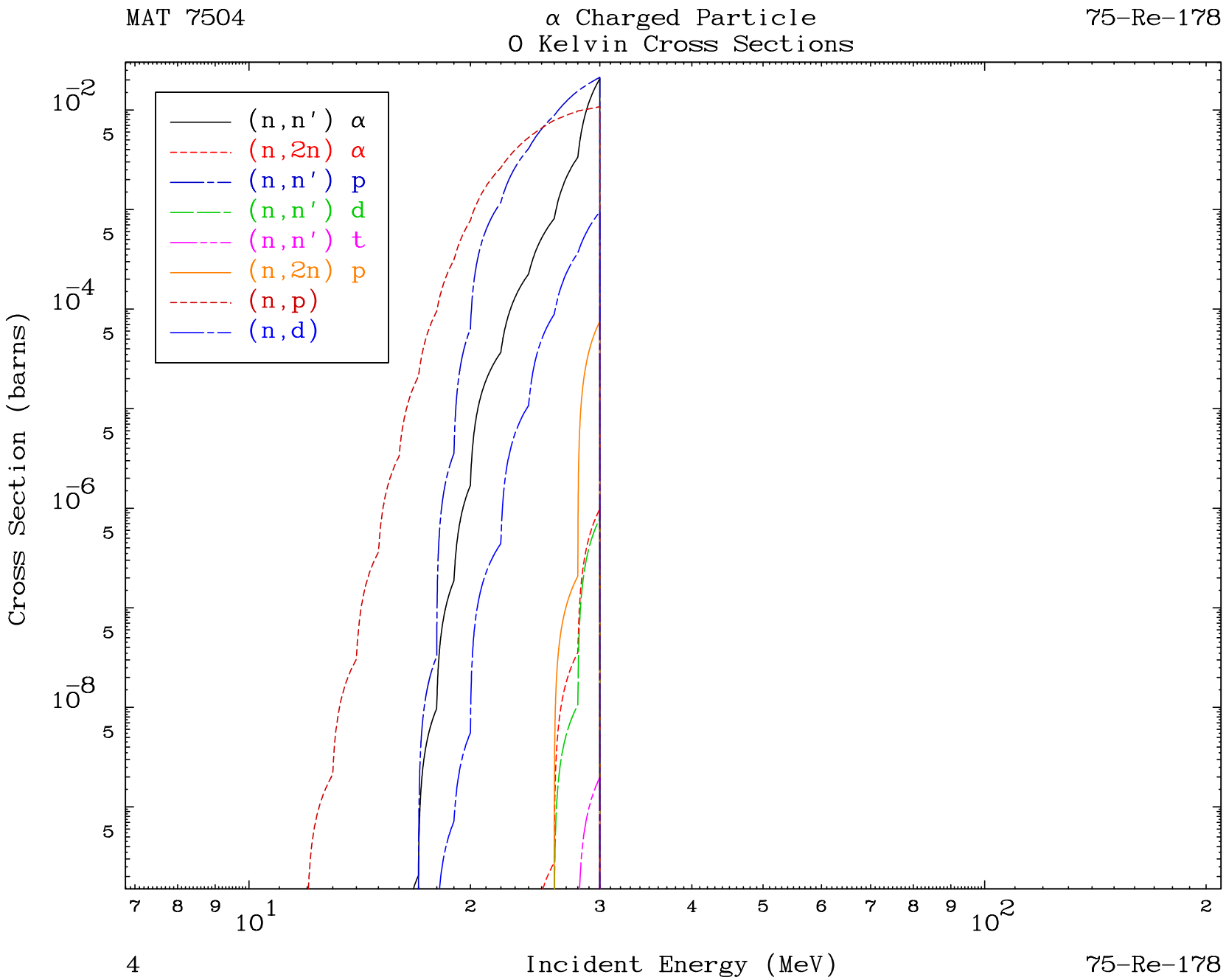
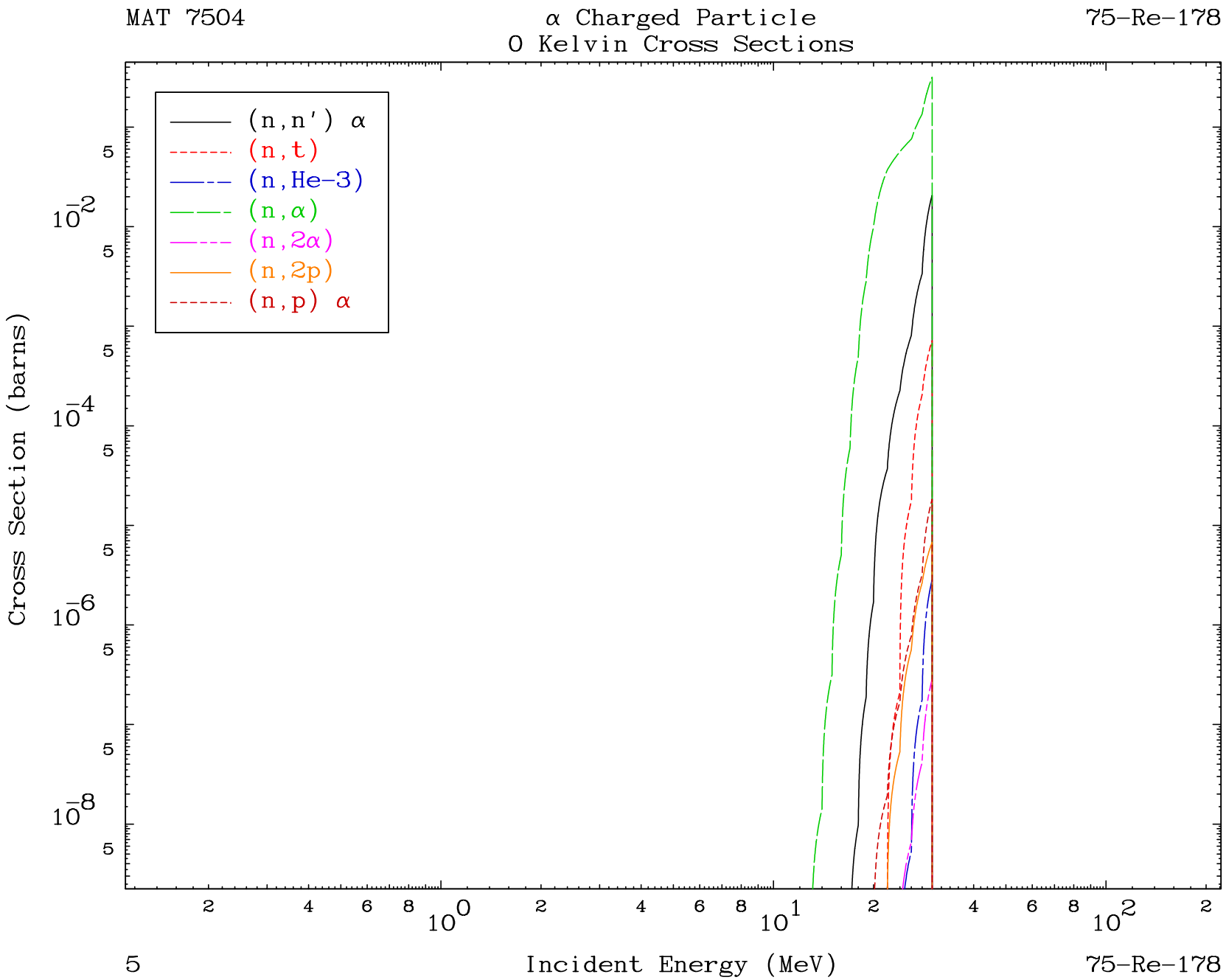
Press Mouse Button to Start

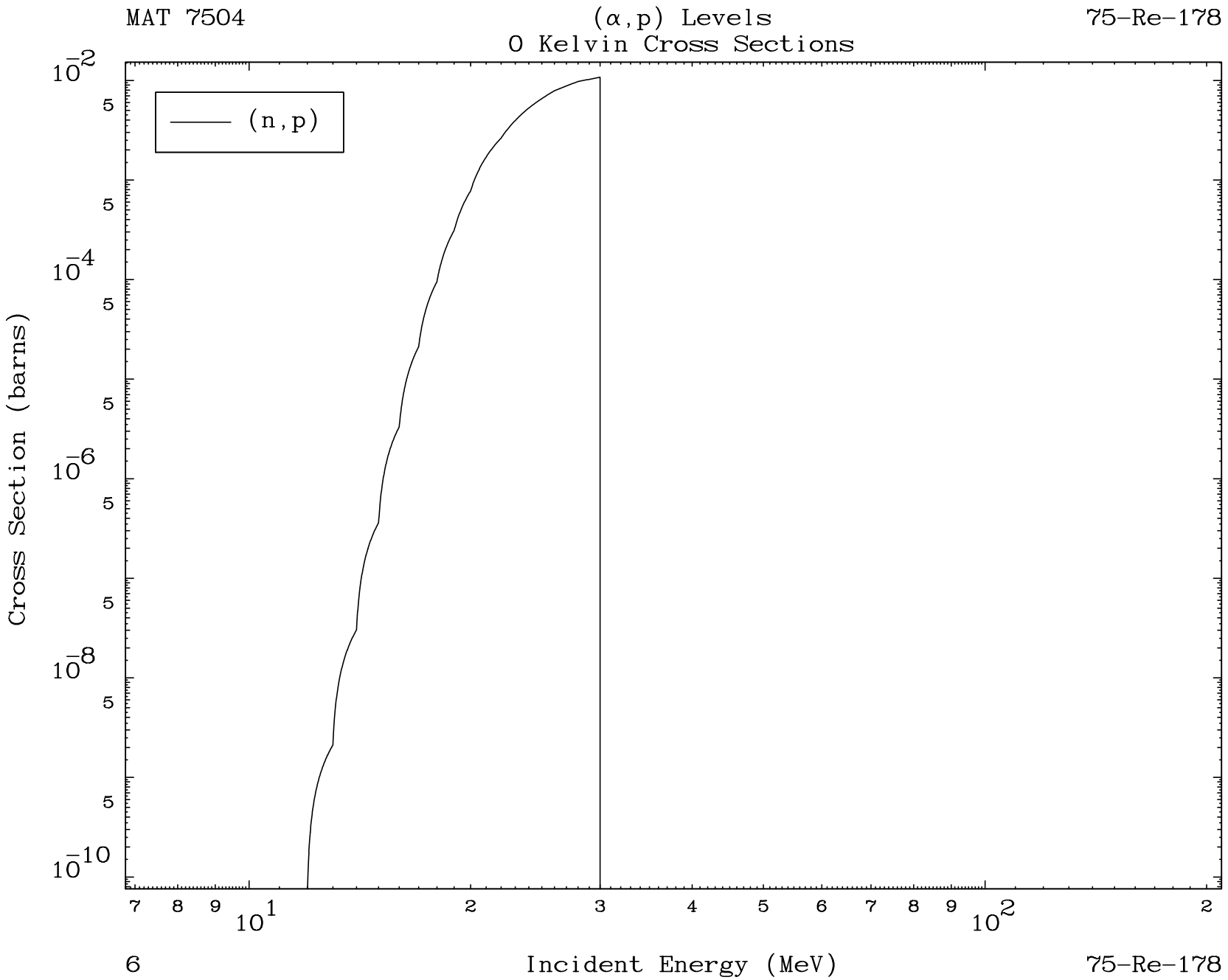

MAT 7504
α Major
75-Re-178
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
75-Re-178
1

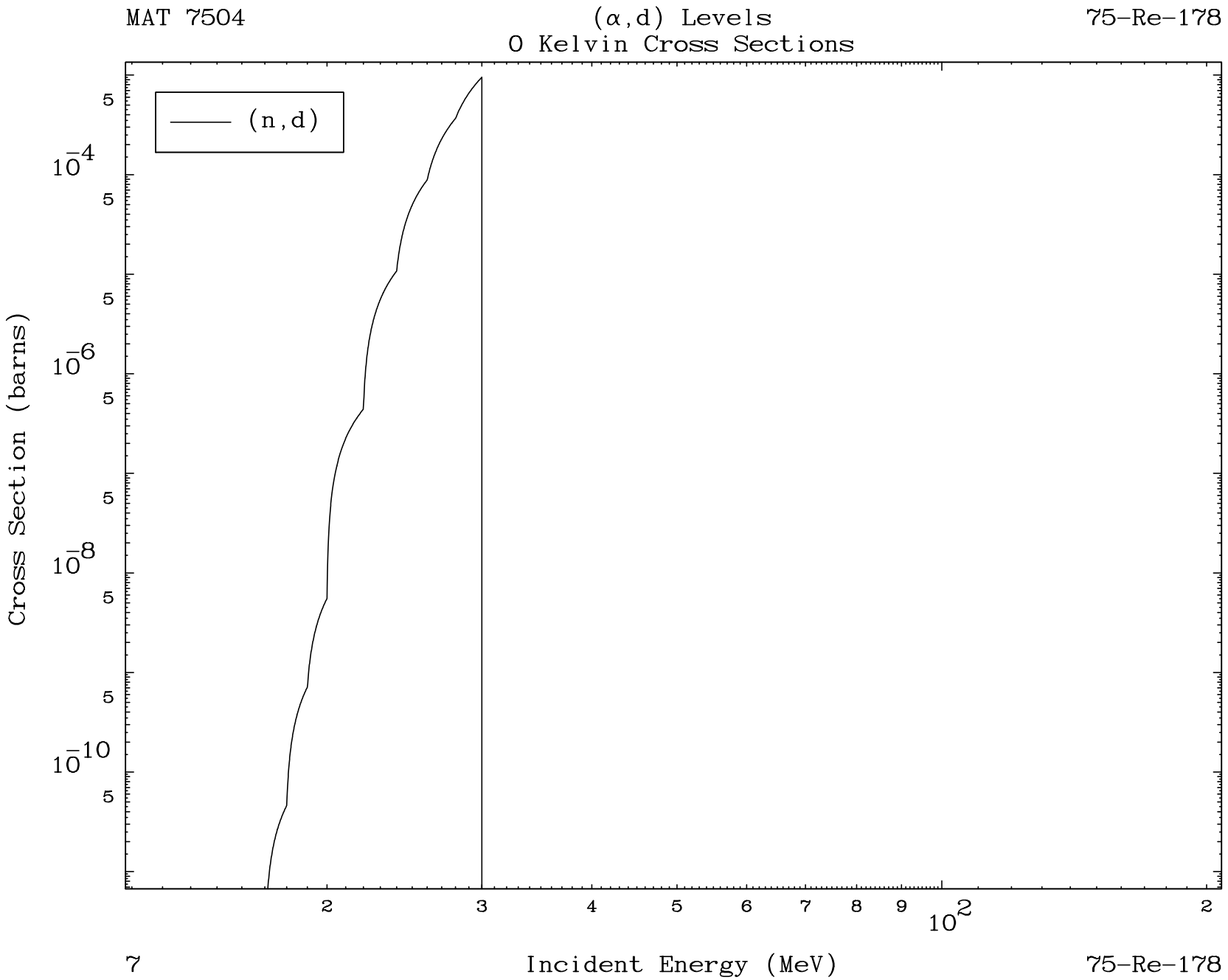

MAT 7504
α Neutron Absorption
0 Kelvin Cross Sections
75-Re-178
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,2n) p
(n,2n) p
(n,n') p α
Cross Section (barns)
Incident Energy (MeV)
75-Re-178


MAT 7504
α Neutron Absorption
0 Kelvin Cross Sections
75-Re-178
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
10-2
10-4
10-6
10-8
10 0
10 1
10 2
Incident Energy (MeV)
3
75-Re-178

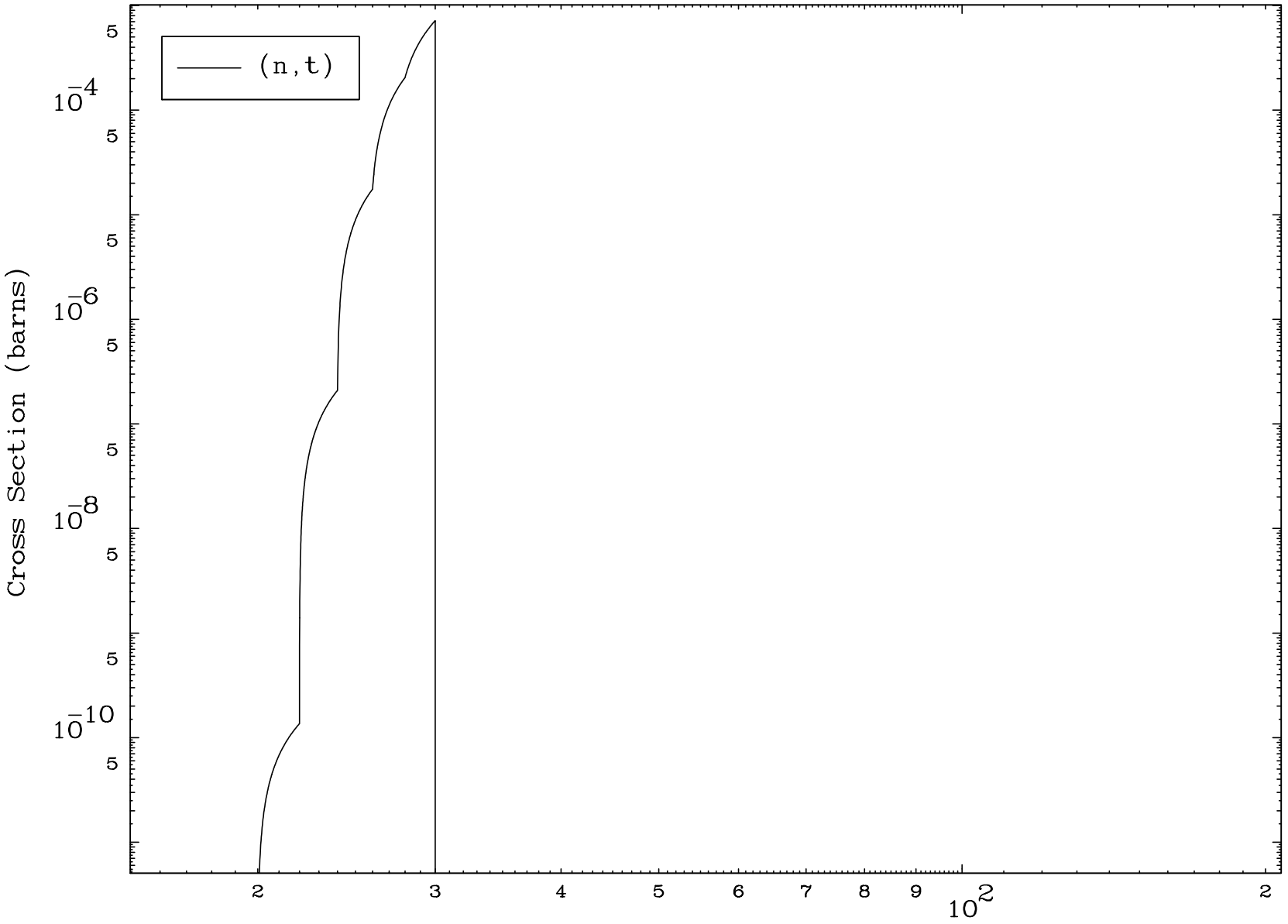

MAT 7504
α Charged Particle
0 Kelvin Cross Sections
75-Re-178
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
4
75-Re-178


MAT 7504
α Charged Particle
0 Kelvin Cross Sections
75-Re-178
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
75-Re-178

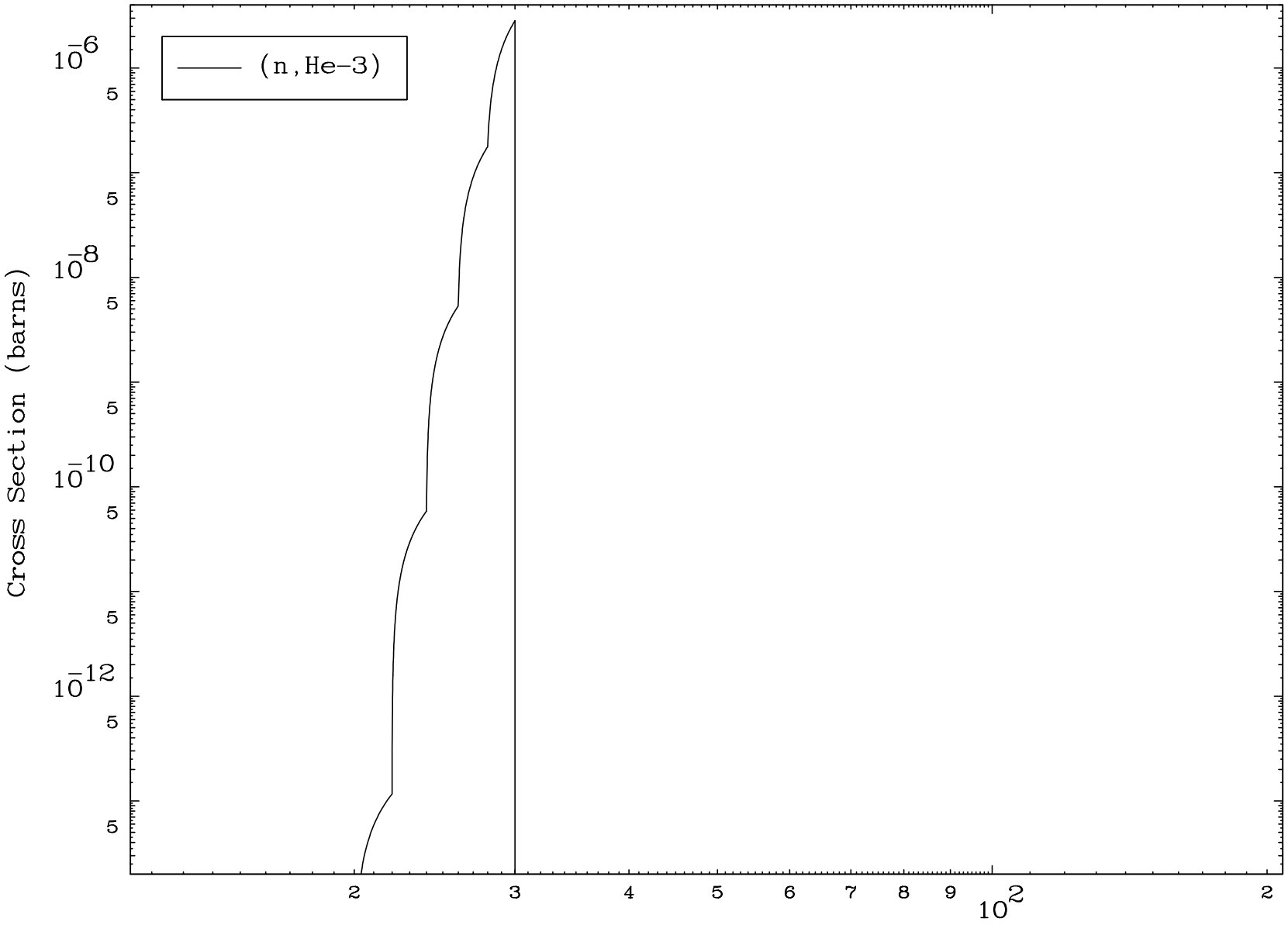

MAT 7504
(α,p) Levels
75-Re-178
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
75-Re-178

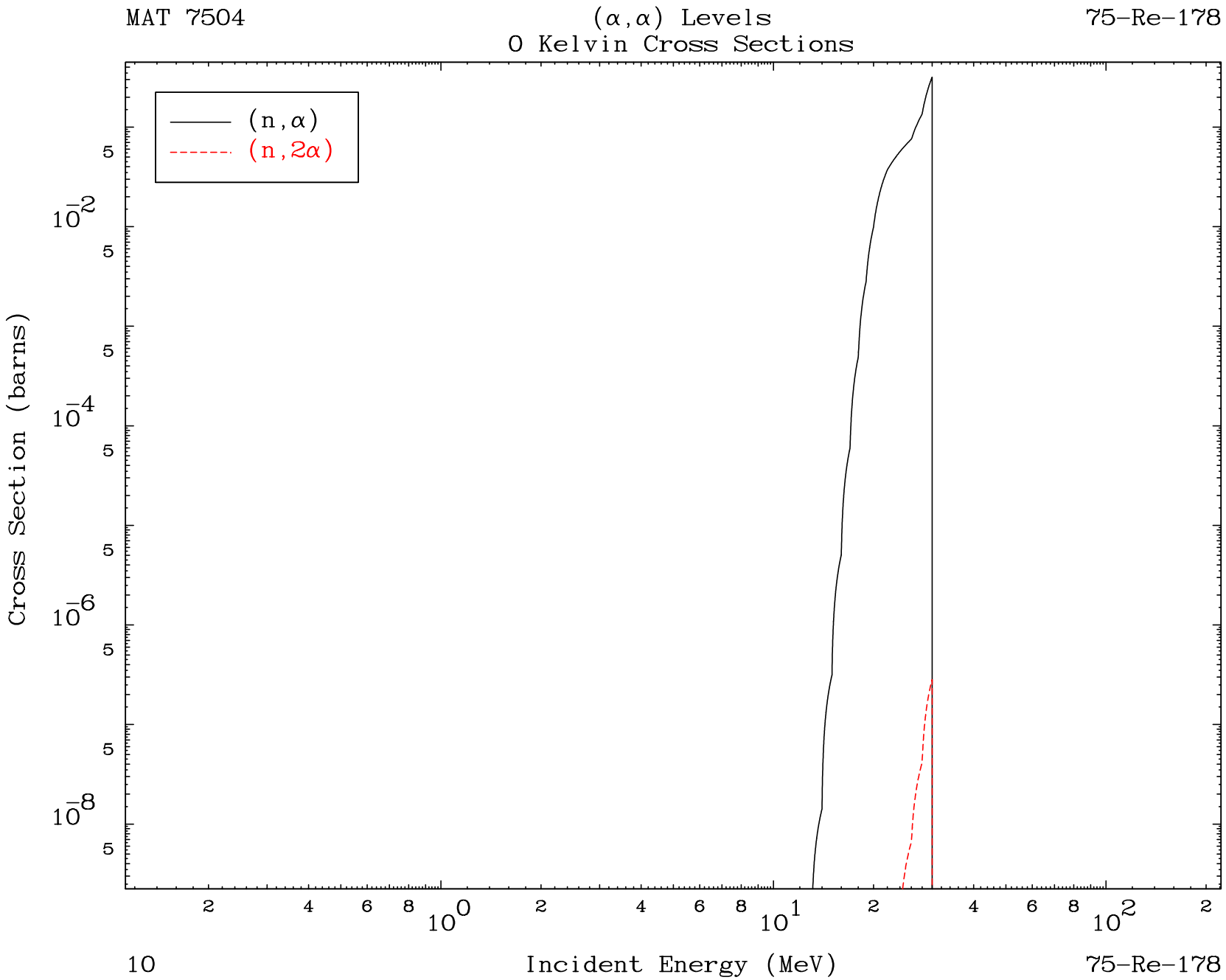

MAT 7504
(α,d) Levels
75-Re-178
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
75-Re-178

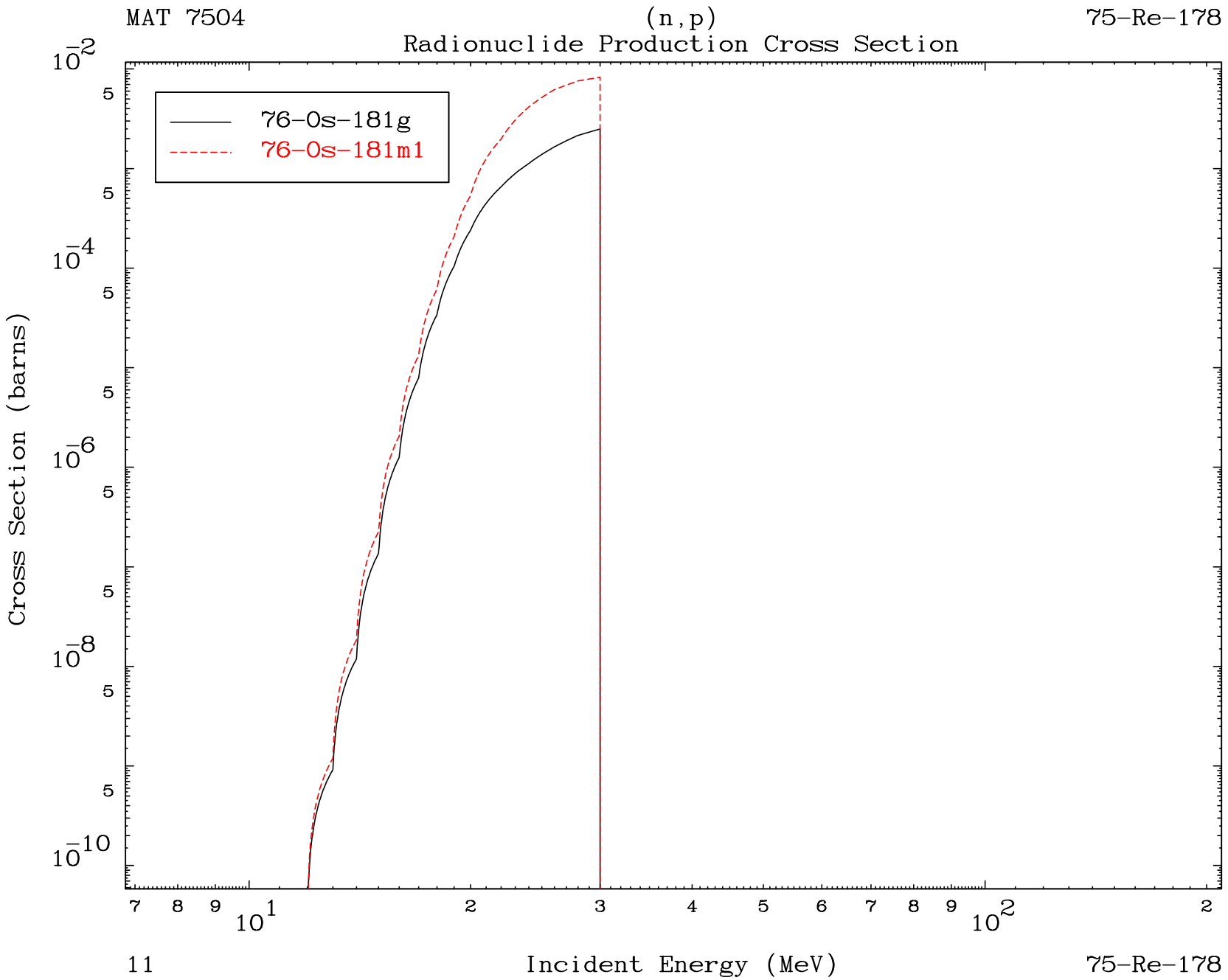
0 Kelvin Cross Sections



0 Kelvin Cross Sections




MAT 7504
(α,α) Levels
75-Re-178
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
10
75-Re-178


MAT 7504
(n,p)
75-Re-178
Radionuclide Production Cross Section
76-Os-181g
76-Os-181m1
Cross Section (barns)
Incident Energy (MeV)
11
75-Re-178