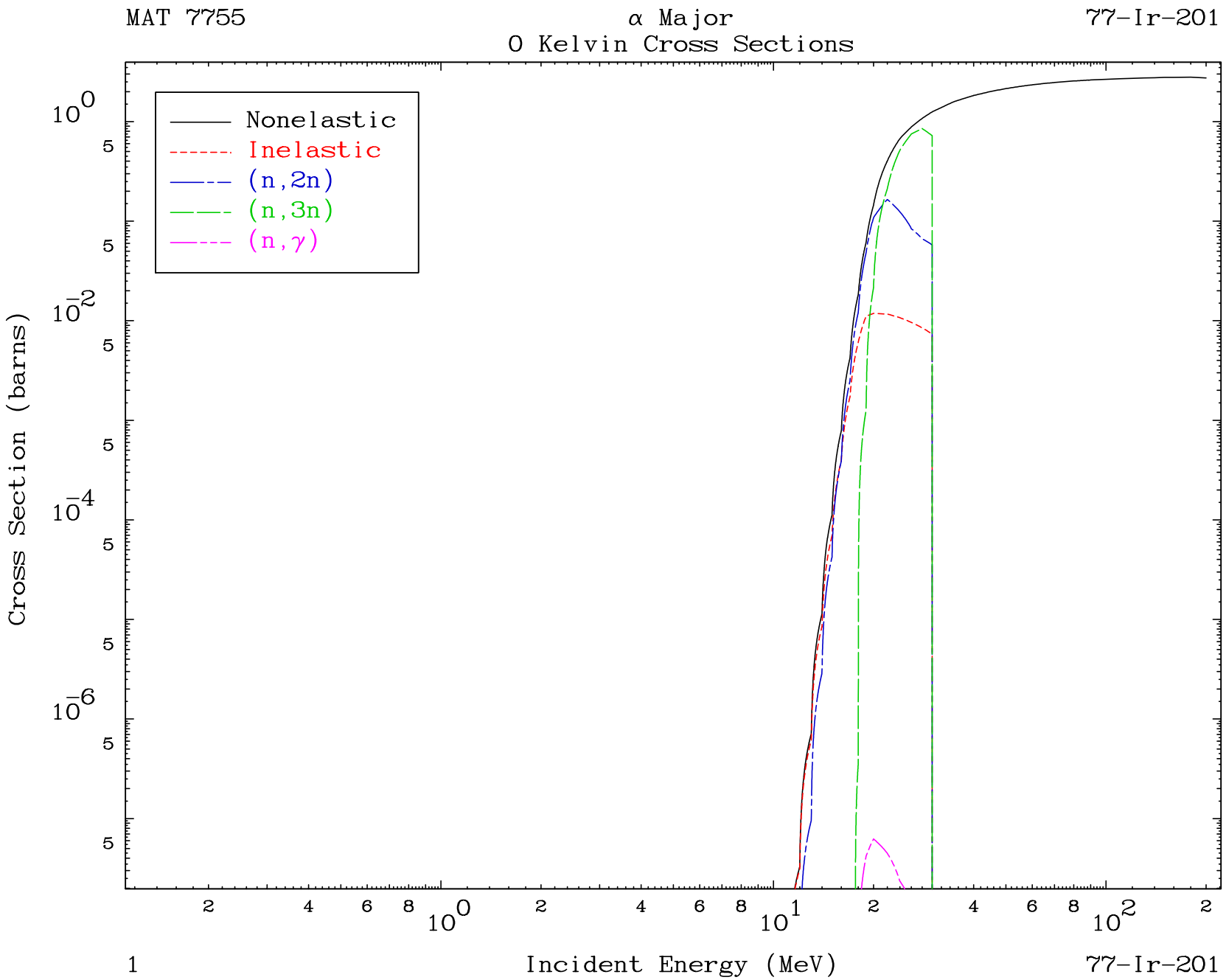
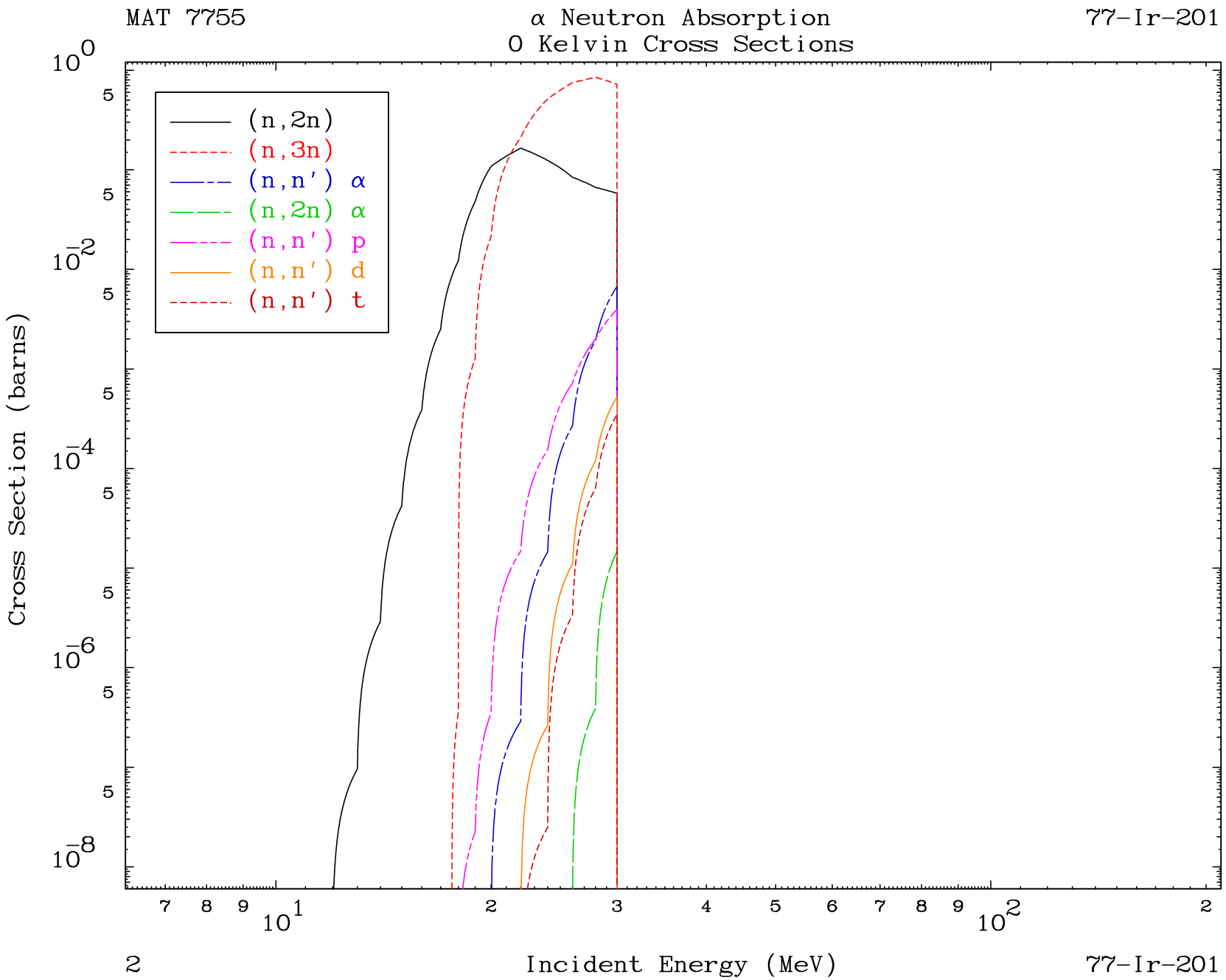
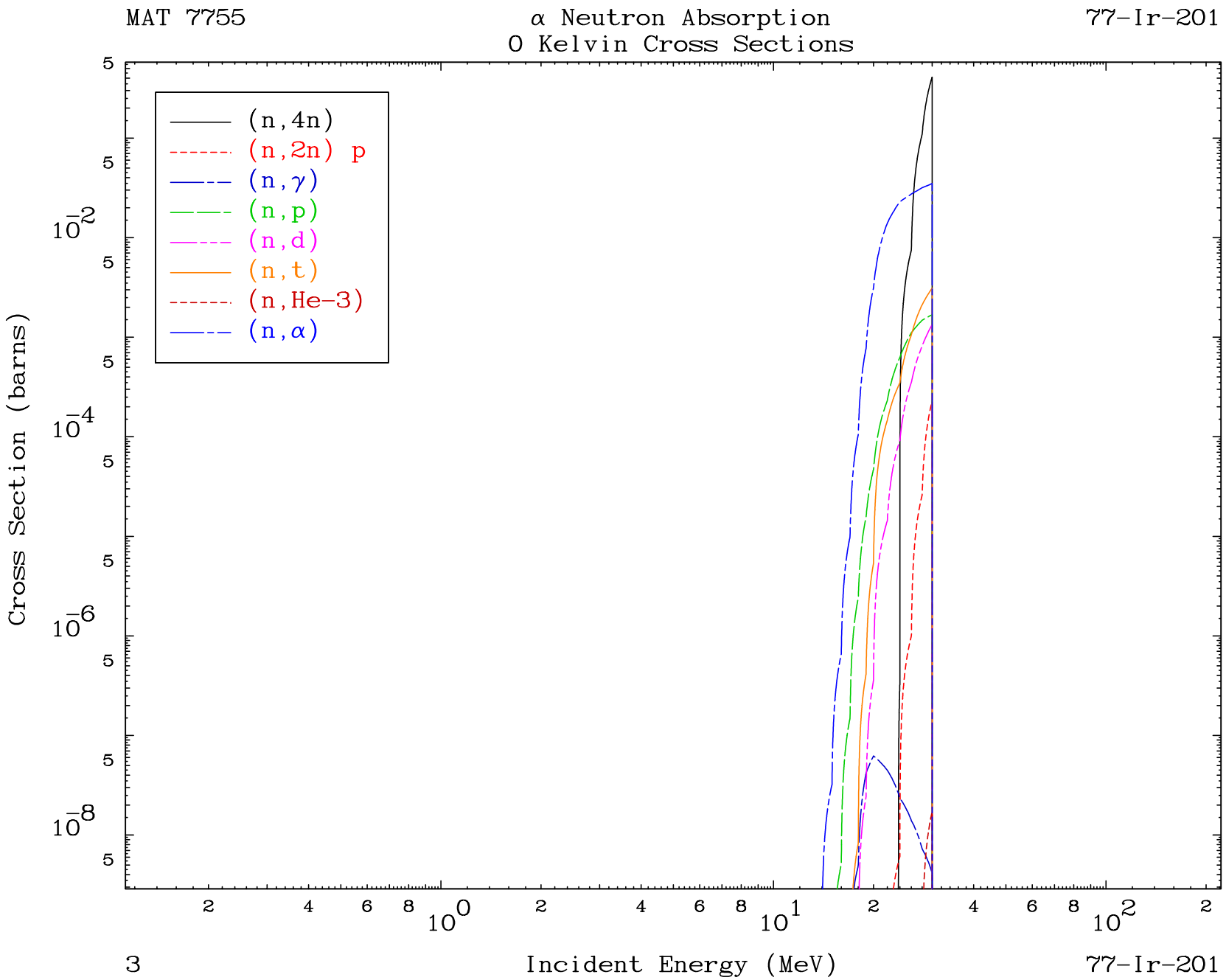
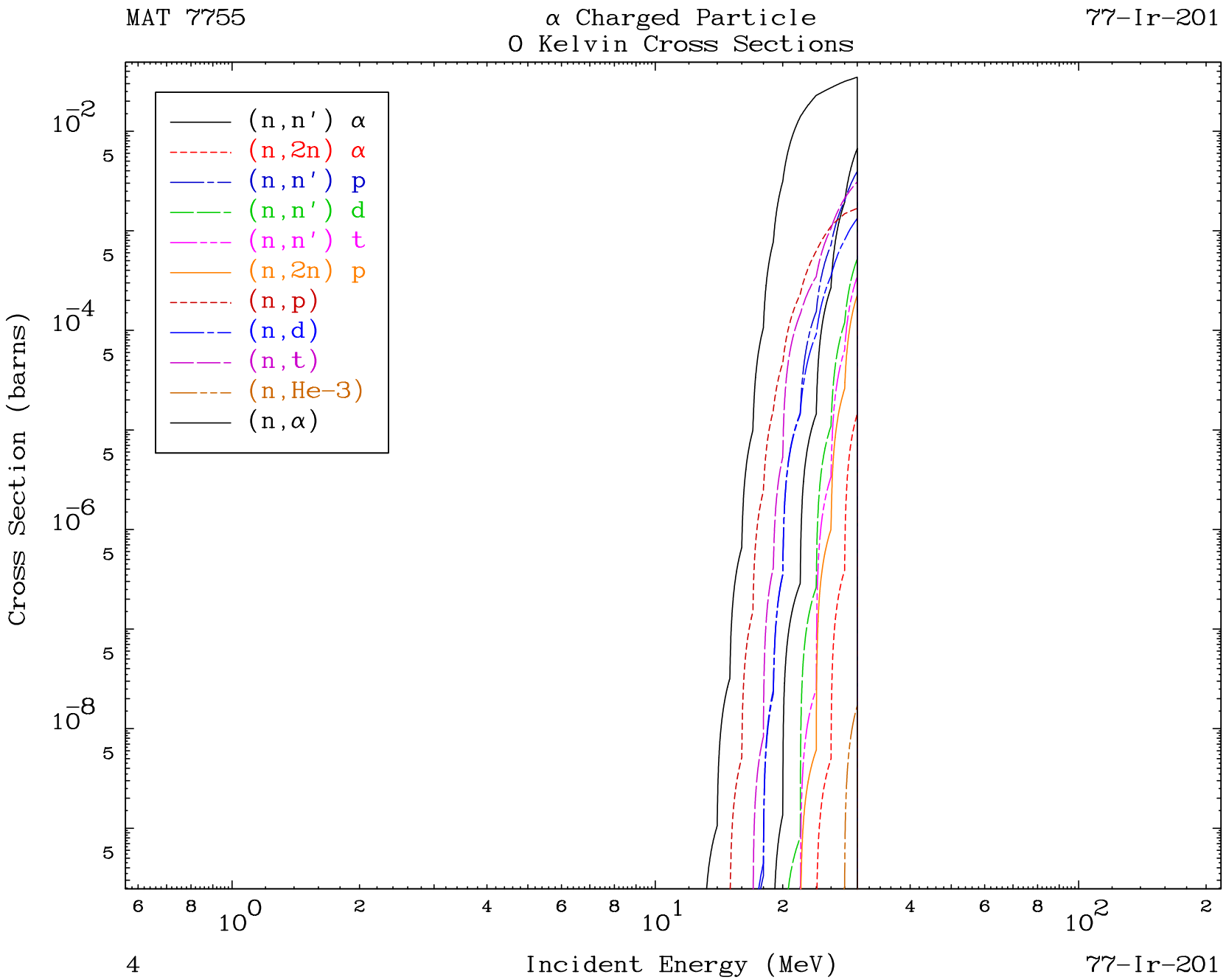
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

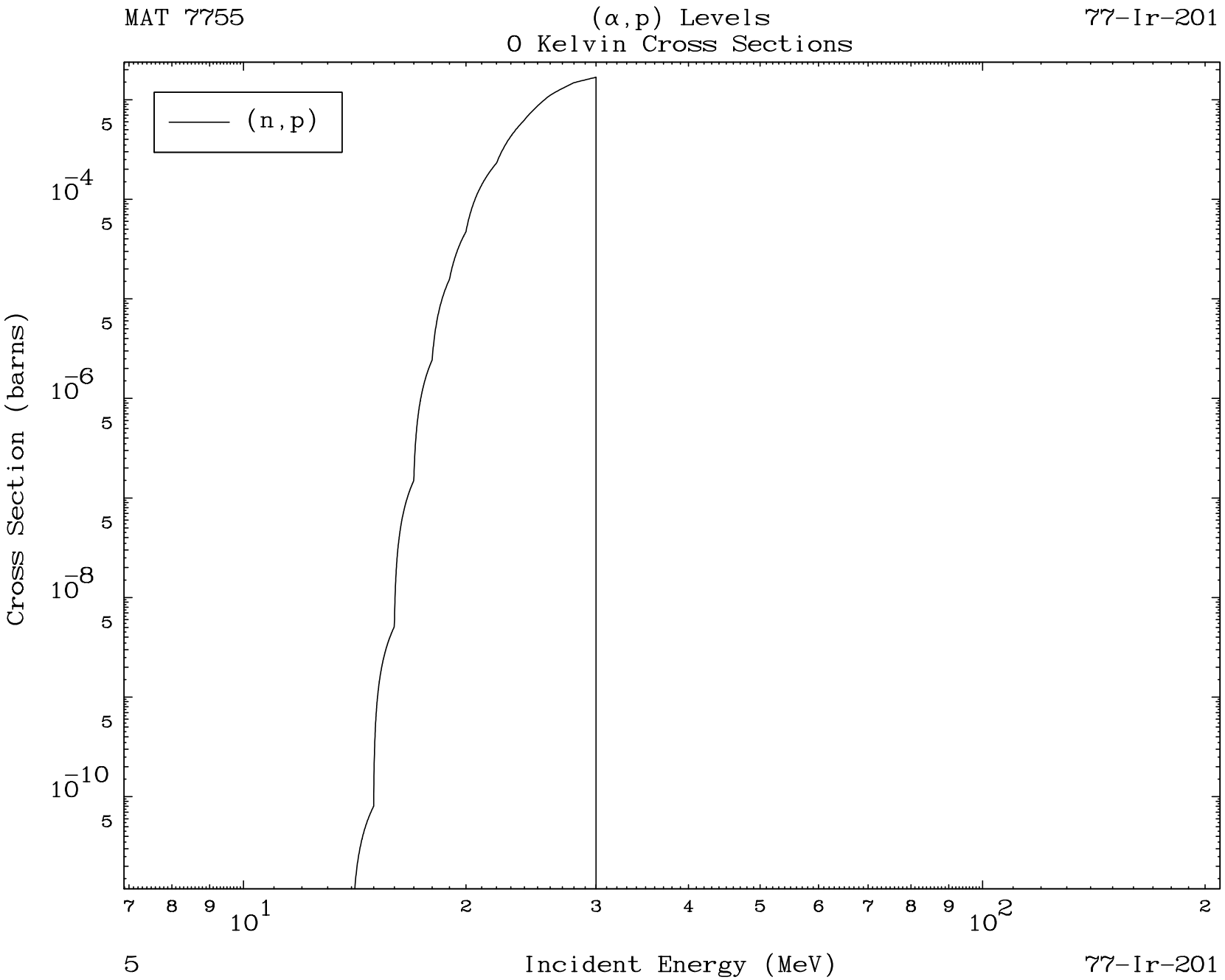
Press Mouse Button to Start

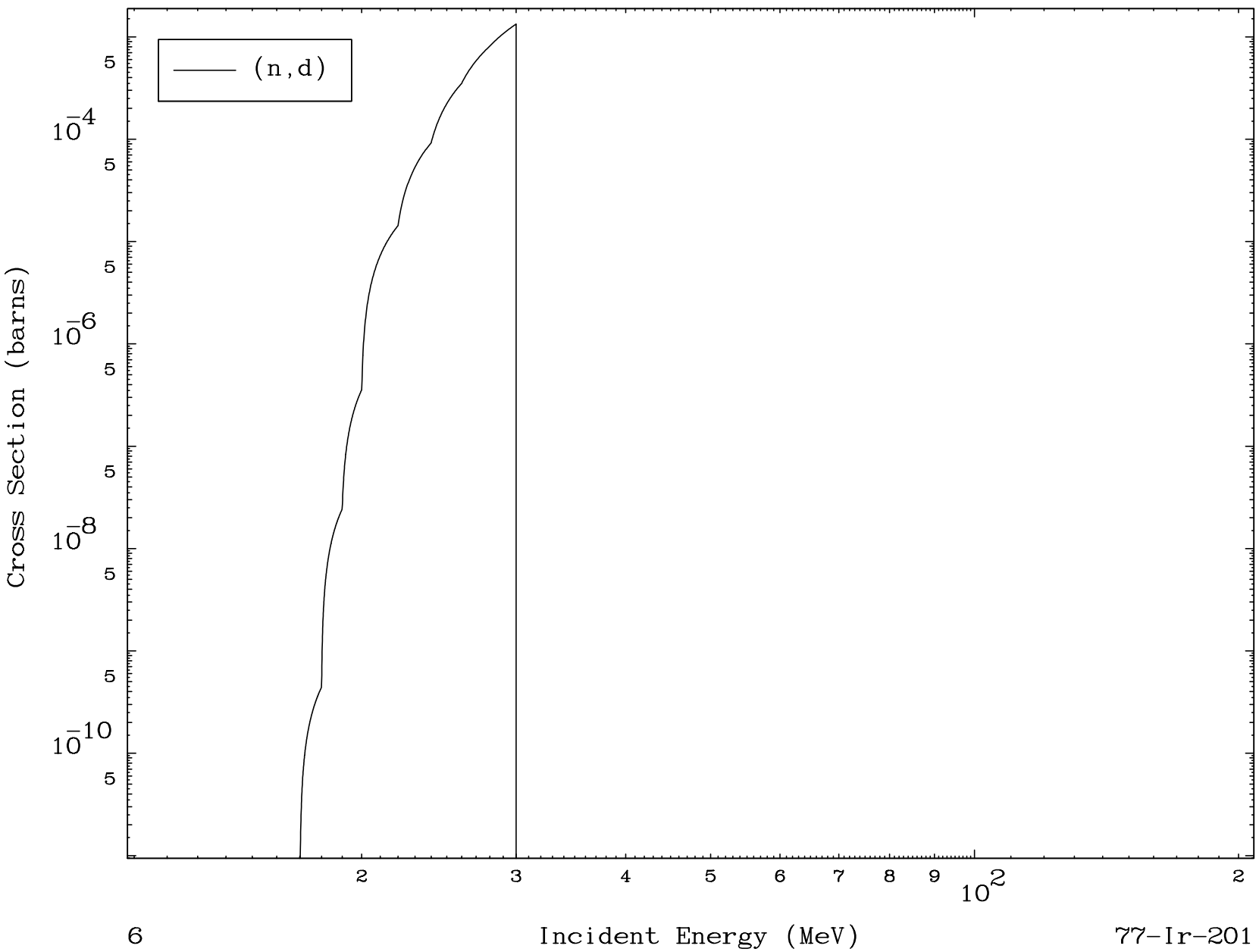

MAT 7755
α Major
77-Ir-201
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
77-Ir-201
1

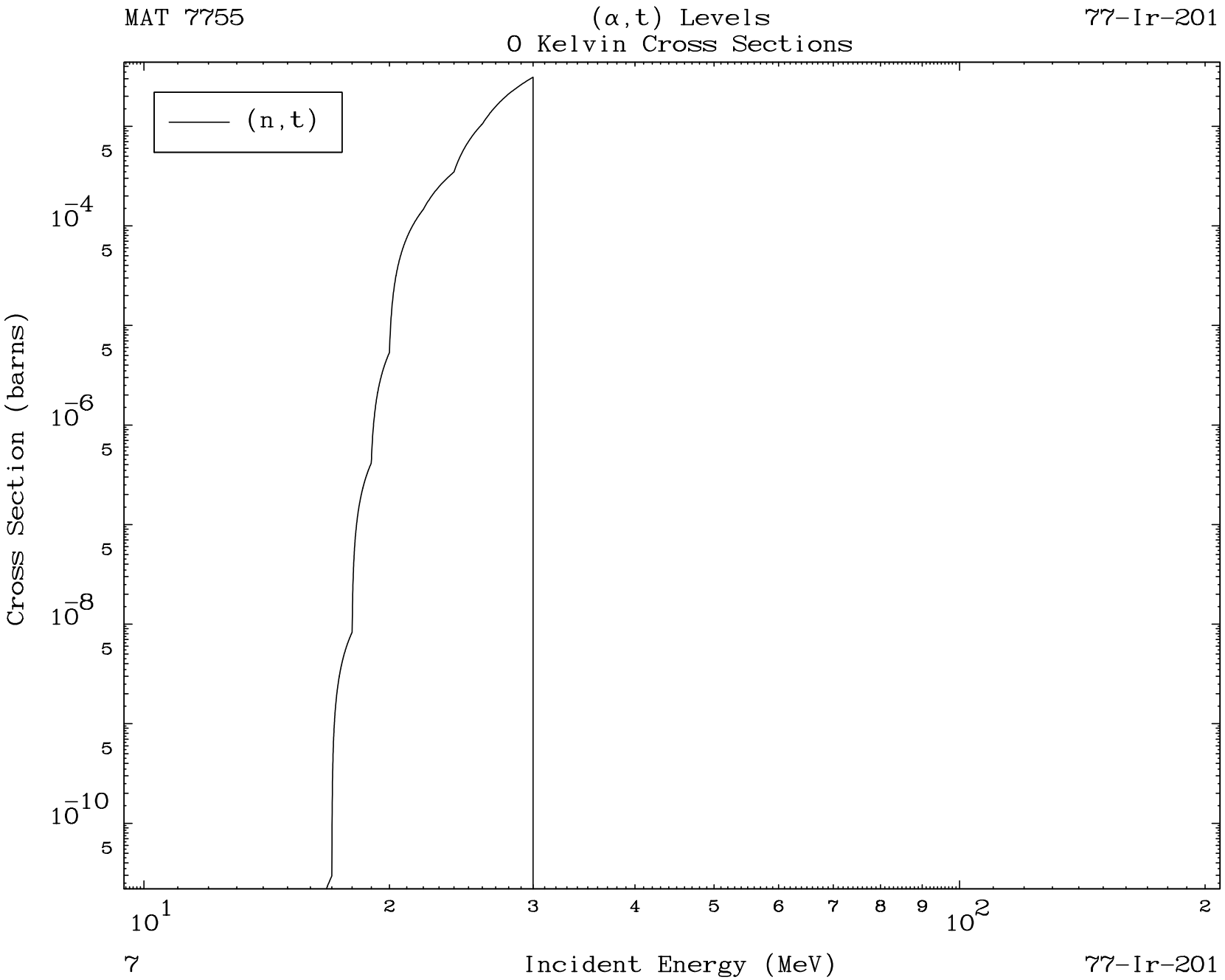

MAT 7755
α Neutron Absorption
0 Kelvin Cross Sections
77-Ir-201
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
77-Ir-201

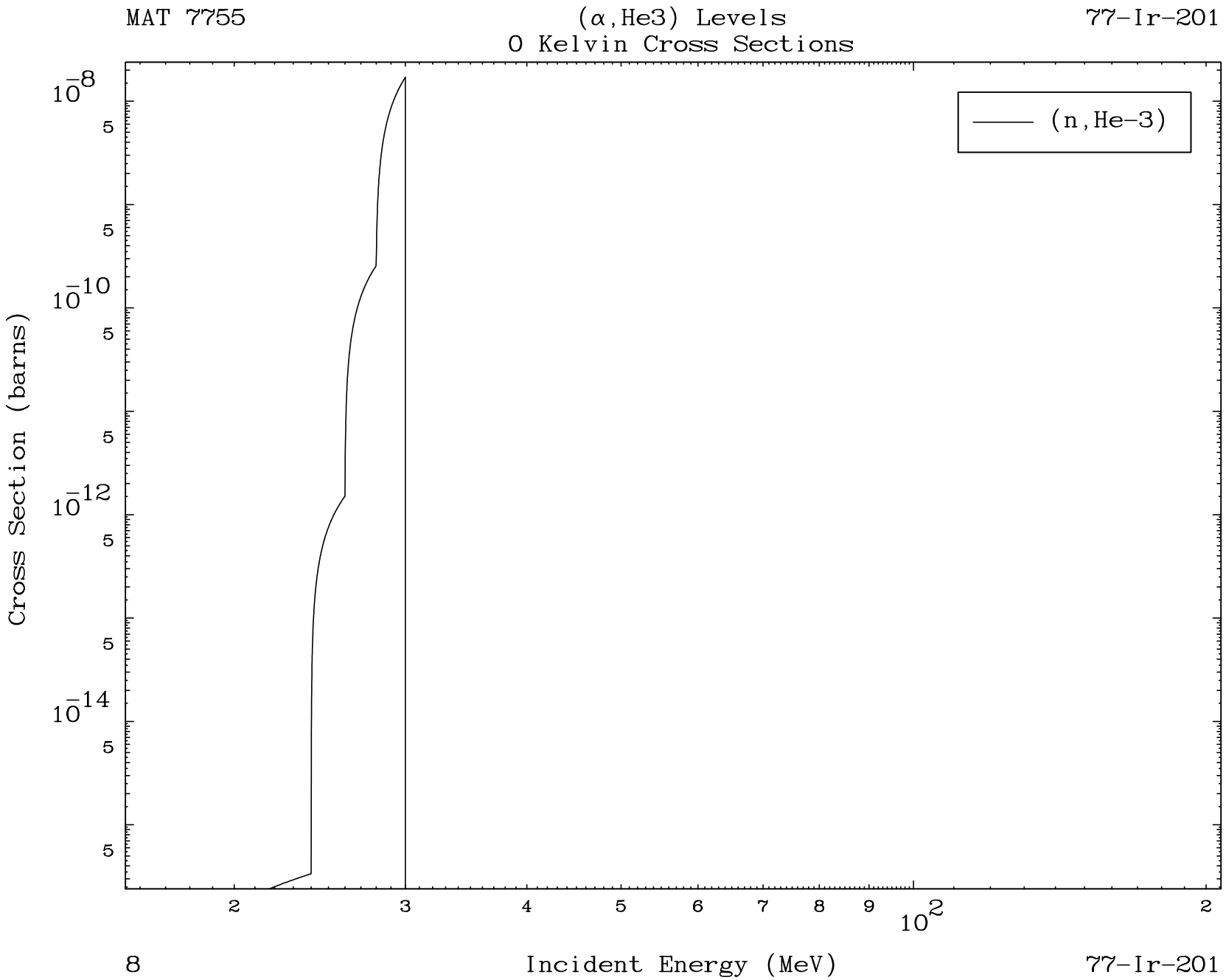

MAT 7755
α Neutron Absorption
0 Kelvin Cross Sections
77-Ir-201
(n,4n)
(n,2n) p
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
3
77-Ir-201

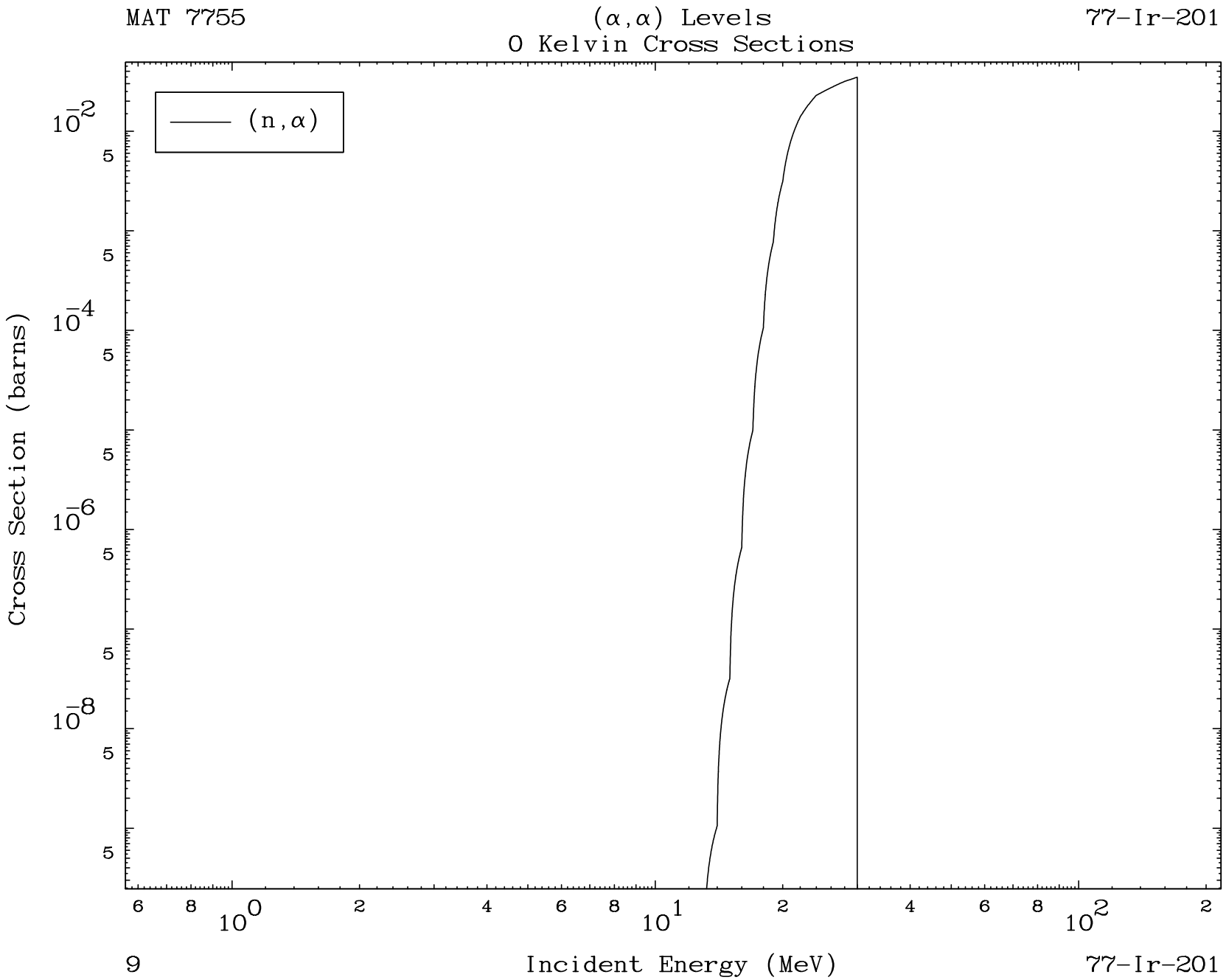

MAT 7755
α Charged Particle
0 Kelvin Cross Sections
77-Ir-201
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
4
77-Ir-201

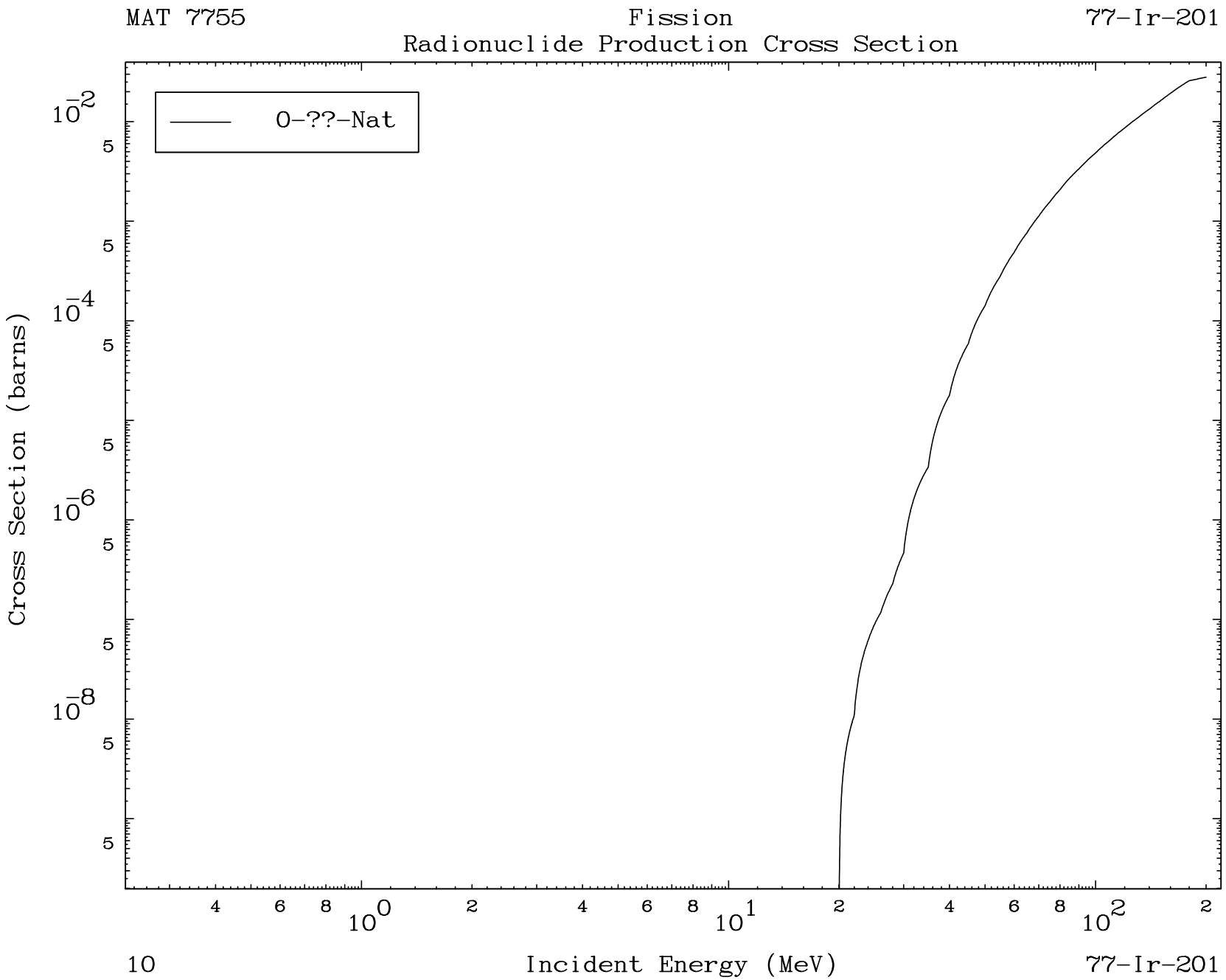

MAT 7755
(α,p) Levels
77-Ir-201
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
5
77-Ir-201

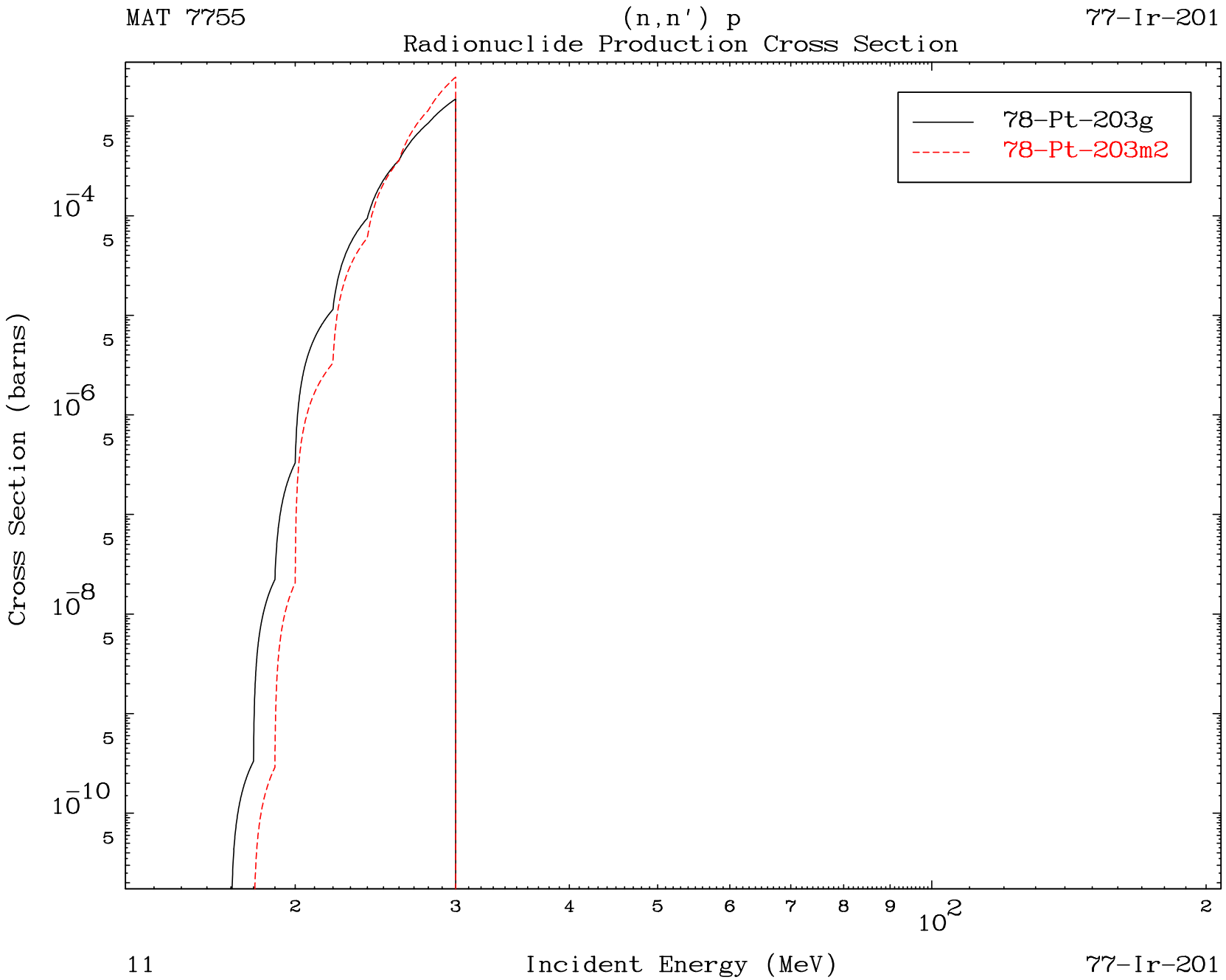

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

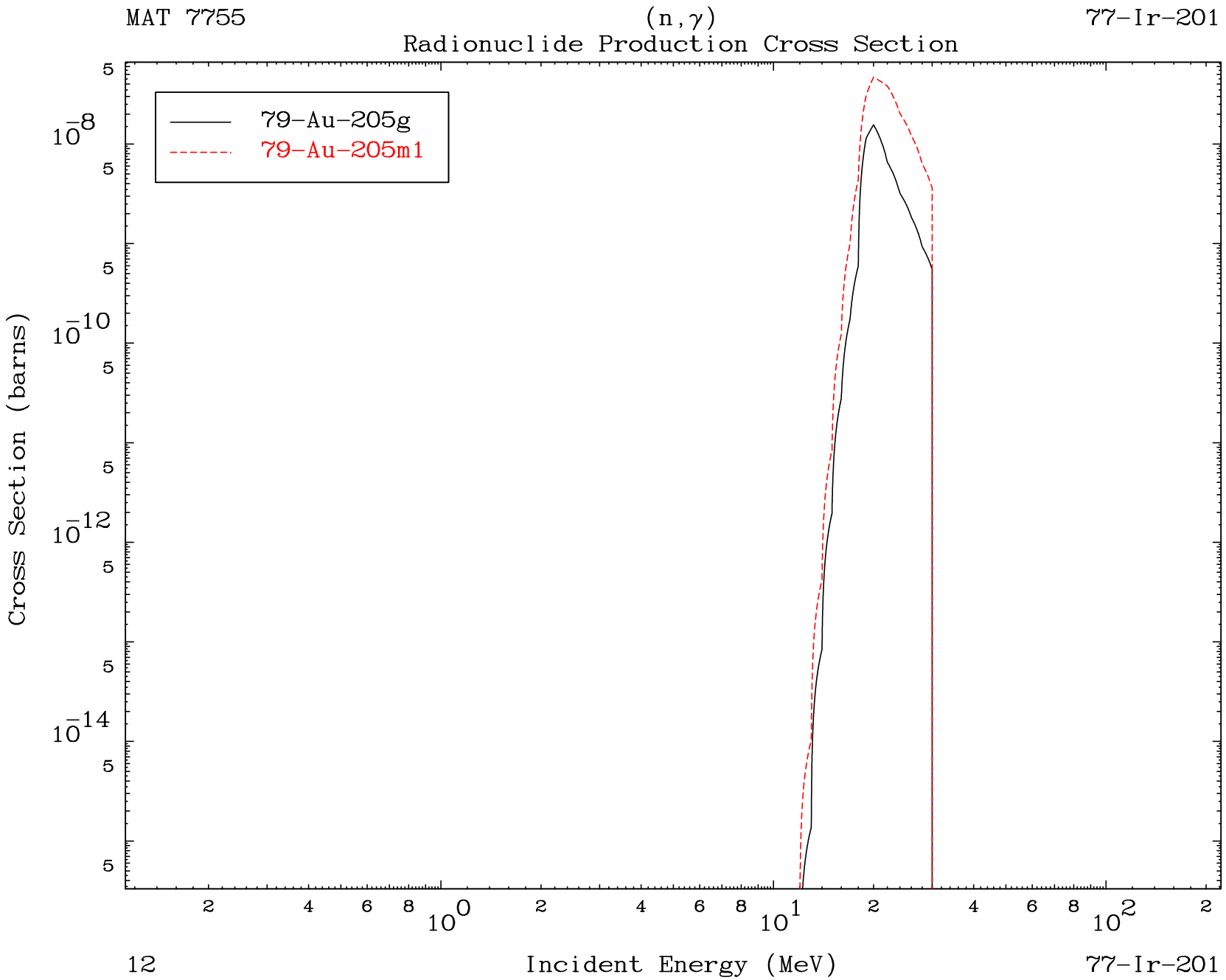

MAT 7755
(α,t) Levels
77-Ir-201
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
77-Ir-201

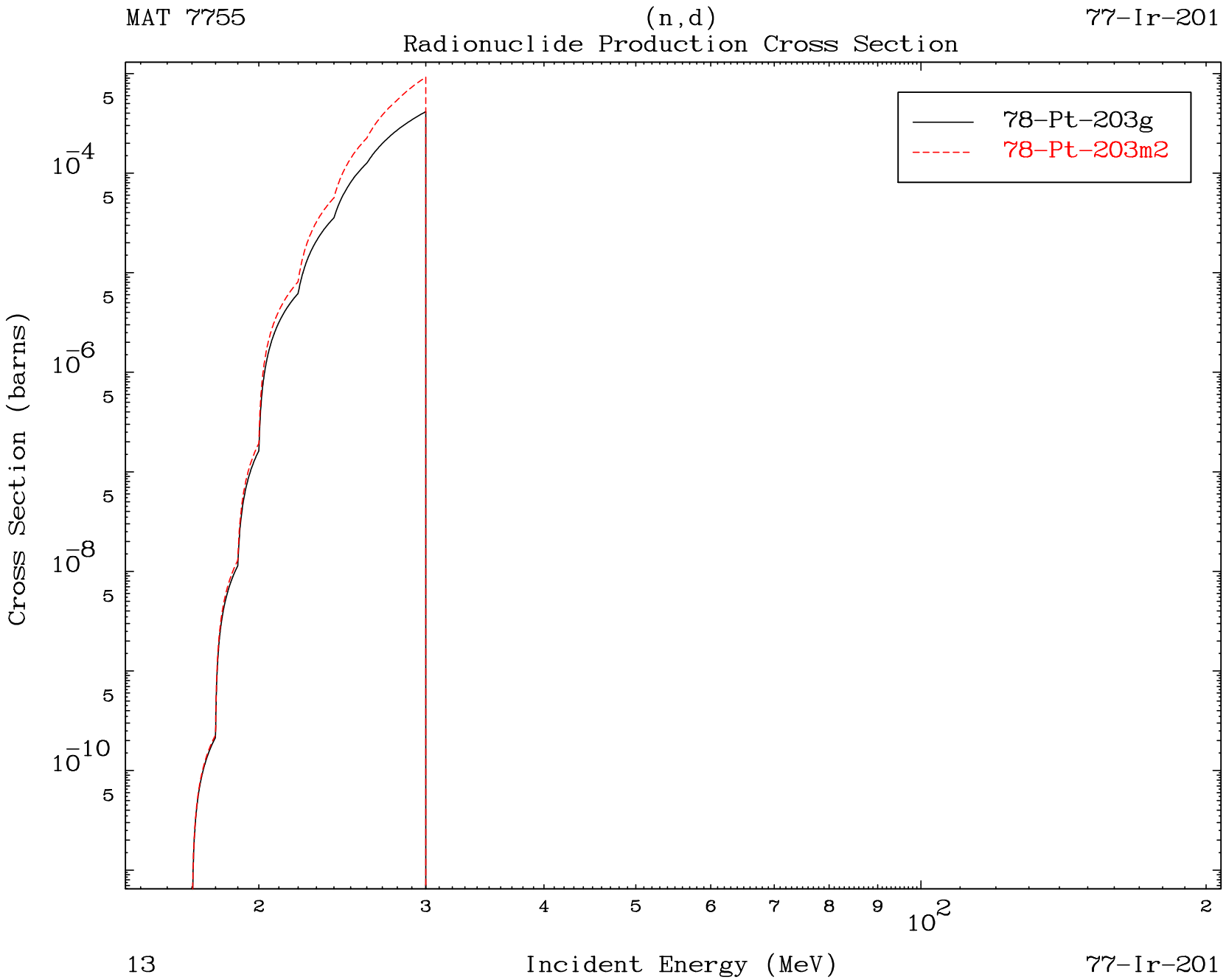

MAT 7755
(α,He3) Levels
77-Ir-201
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
8
Incident Energy (MeV)
77-Ir-201


MAT 7755
(α,α) Levels
77-Ir-201
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6 8 100 2 4 6 8 101 2 4 6 8 102 2
Incident Energy (MeV)
9
77-Ir-201


MAT 7755
Fission
77-Ir-201
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
77-Ir-201


MAT 7755
(n,n') p
77-Ir-201
Radionuclide Production Cross Section
78-Pt-203g
78-Pt-203m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
77-Ir-201


MAT 7755
(n,γ)
77-Ir-201
Radionuclide Production Cross Section
79-Au-205g
79-Au-205m1
Cross Section (barns)
Incident Energy (MeV)
12
77-Ir-201


MAT 7755
(n,d)
77-Ir-201
Radionuclide Production Cross Section
78-Pt-203g
78-Pt-203m2
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
Incident Energy (MeV)
13
77-Ir-201