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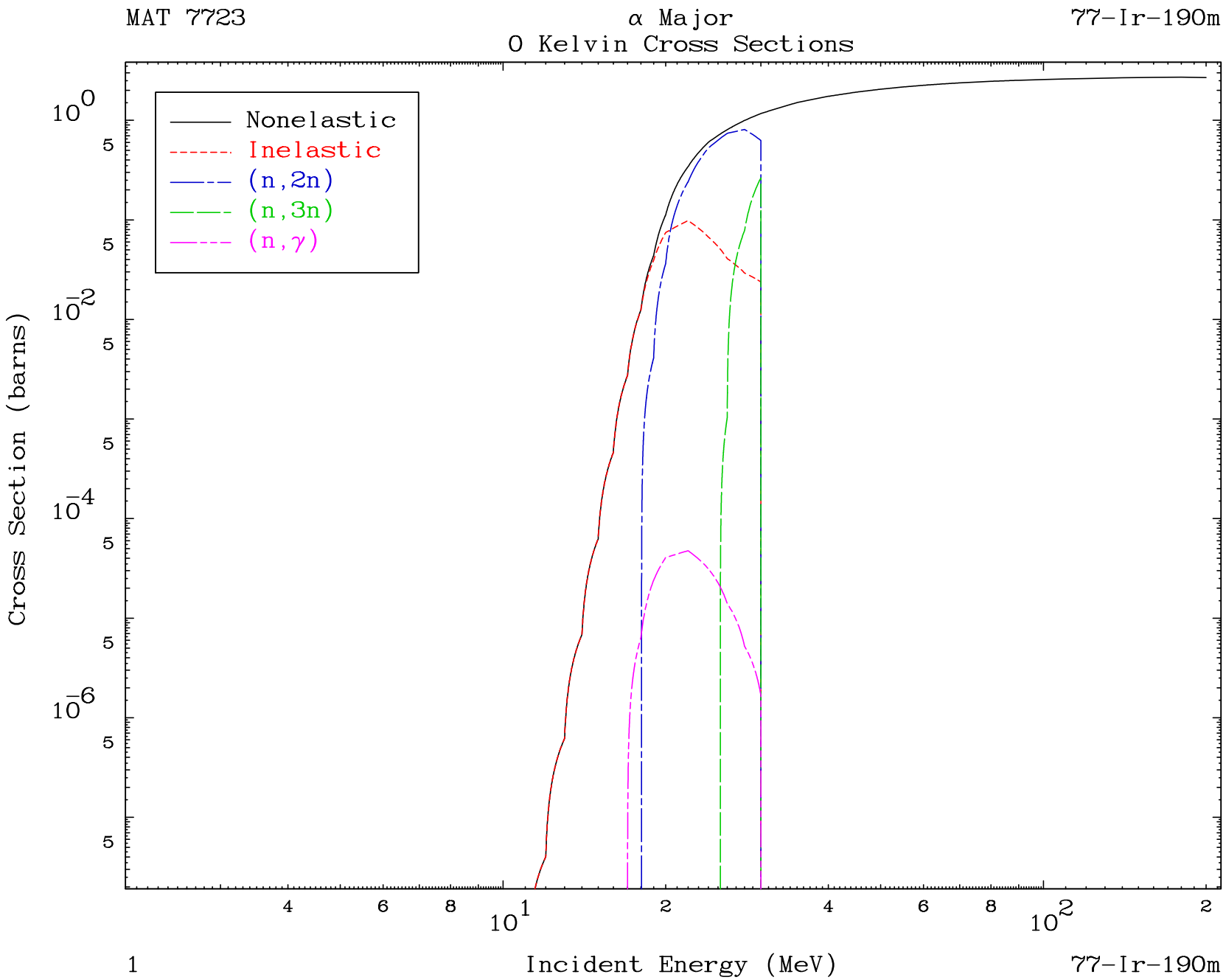
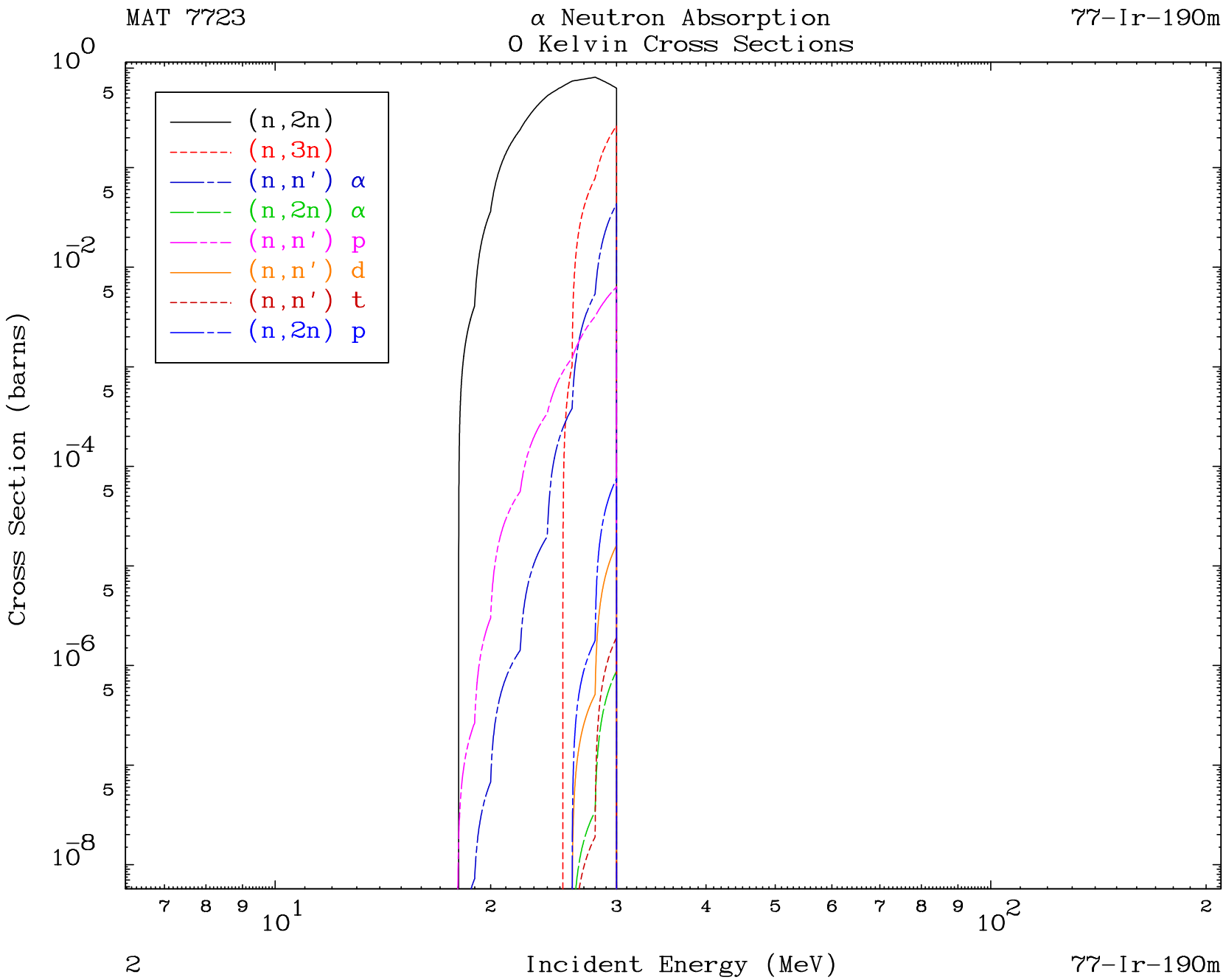
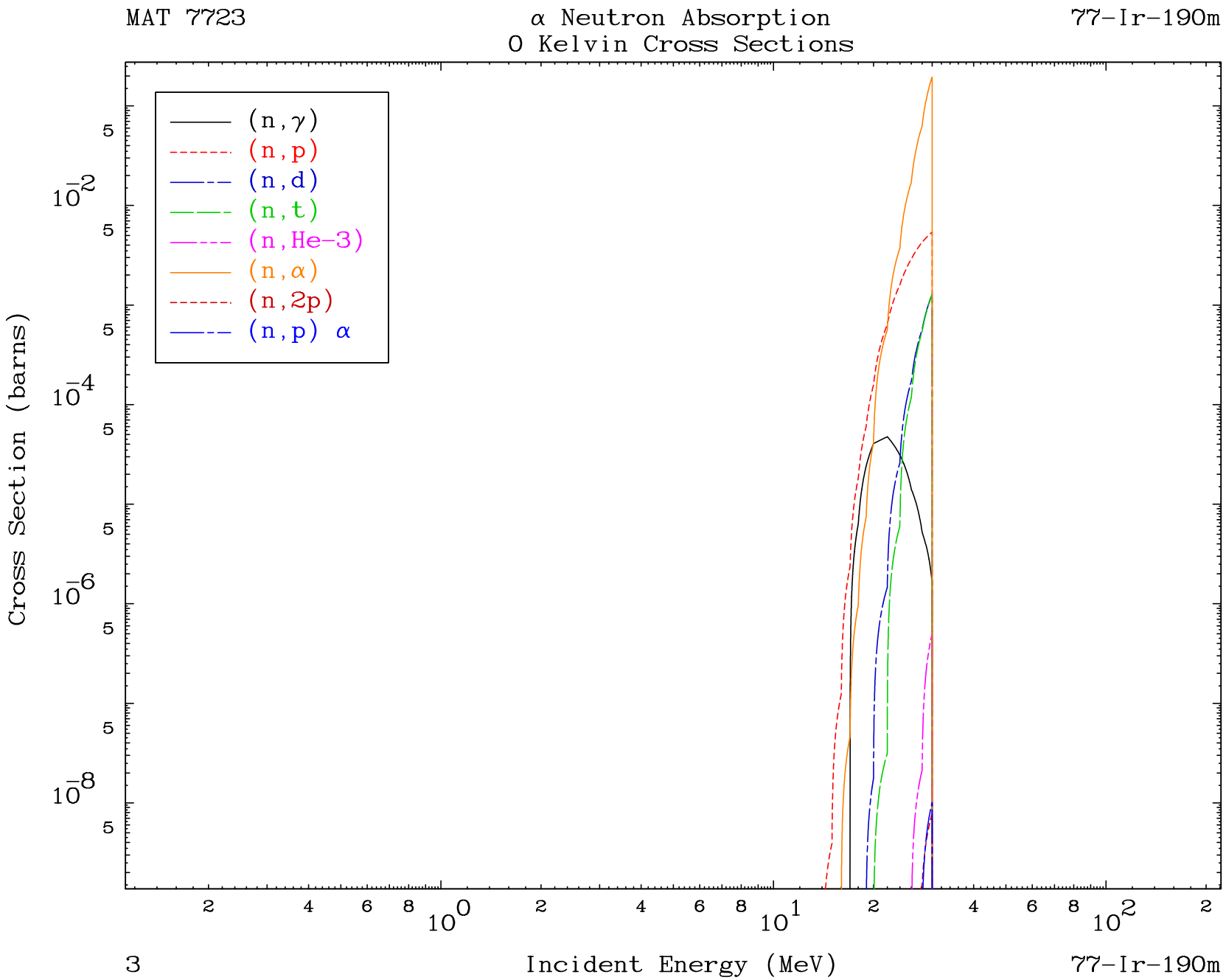
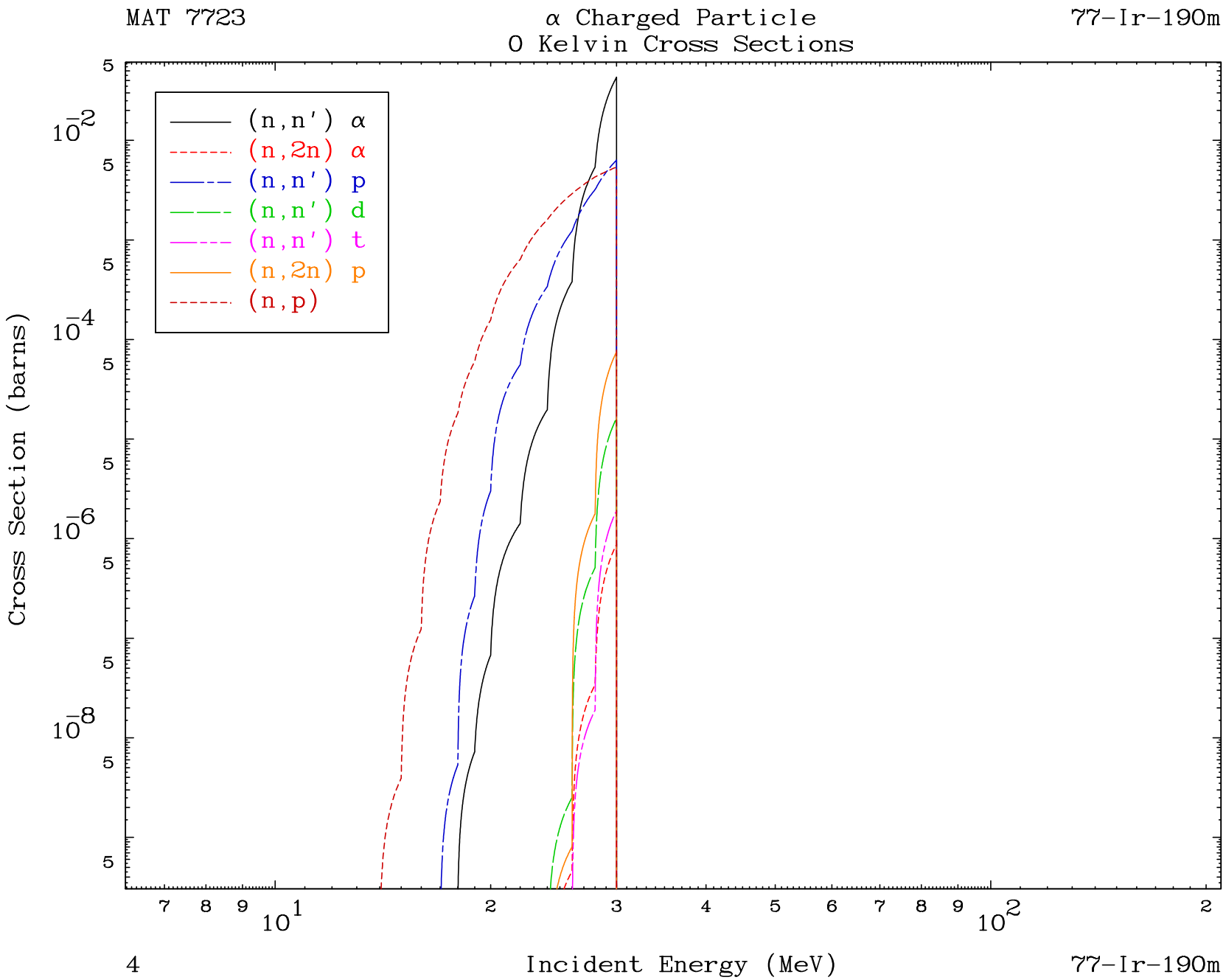
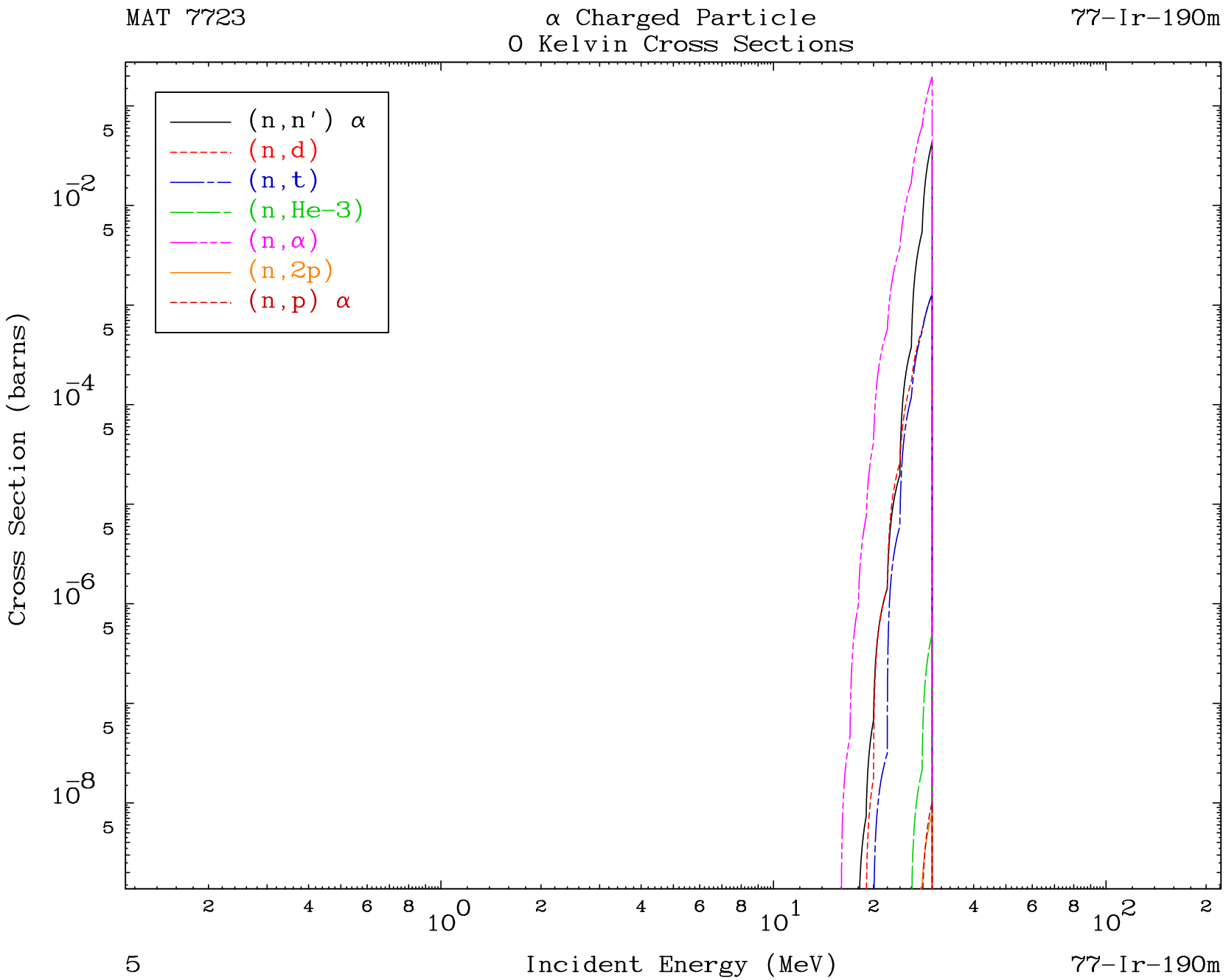
Press Mouse Button to Start

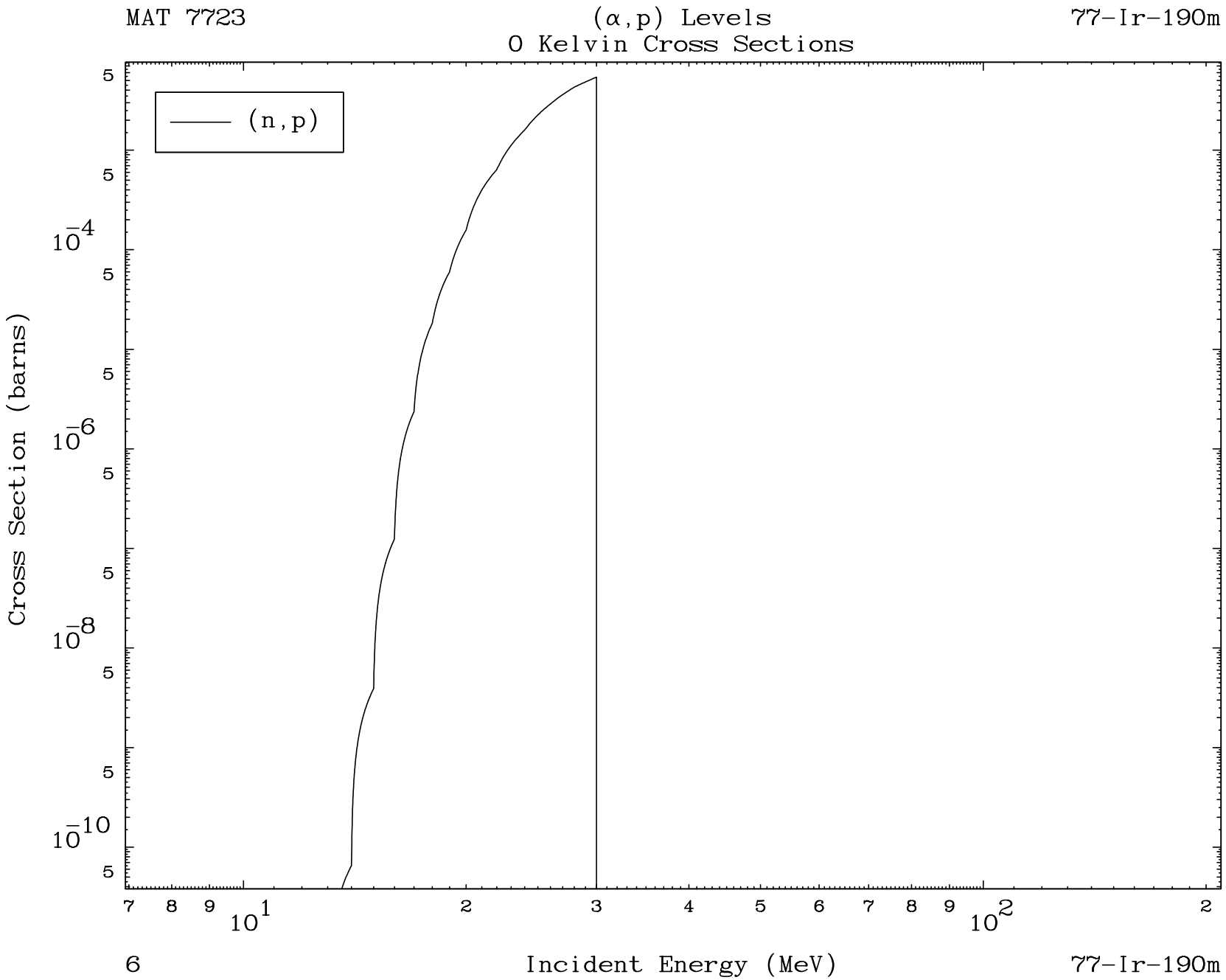

MAT 7723
α Major
77-Ir-190m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^1
10^2
Incident Energy (MeV)
77-Ir-190m

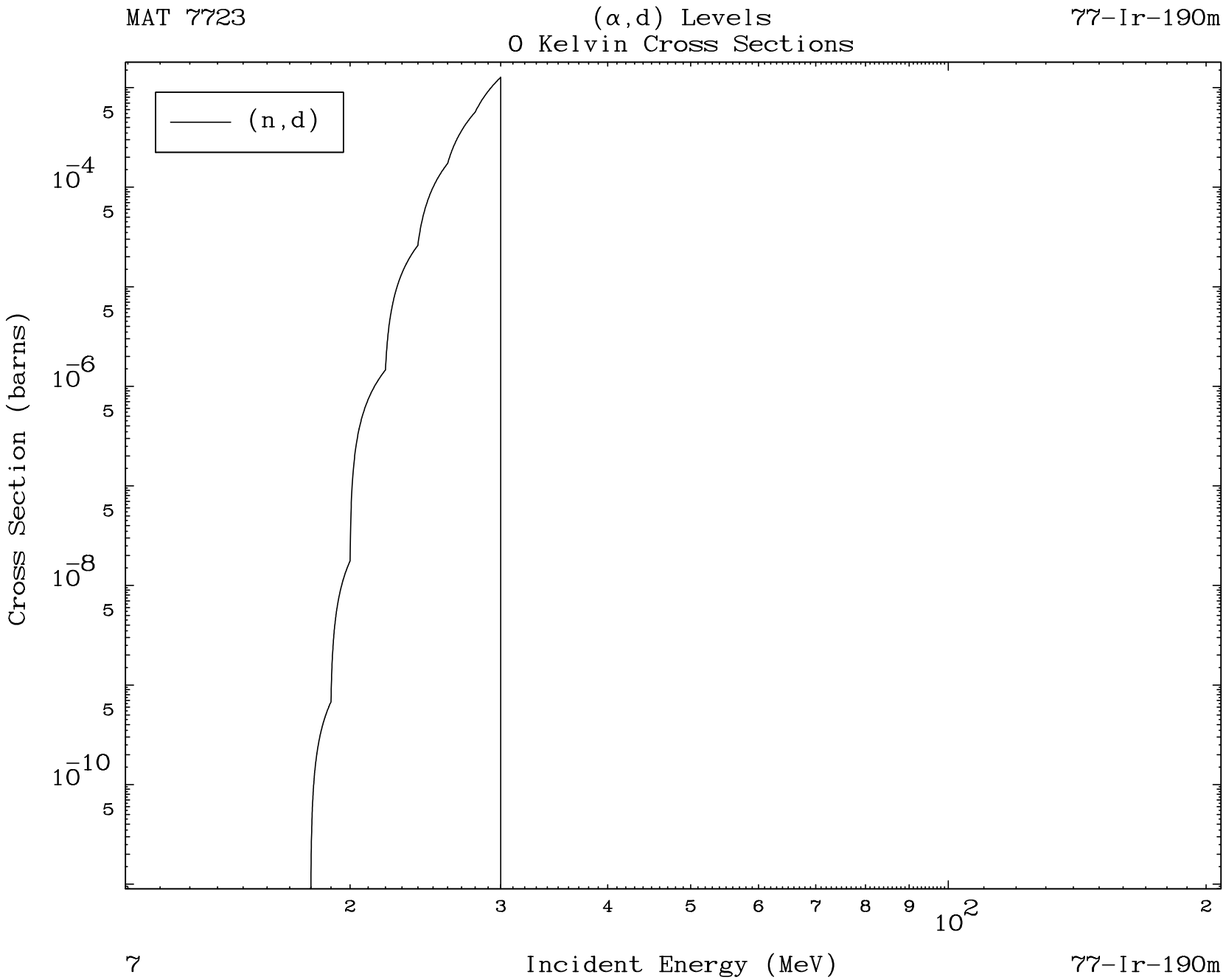

MAT 7723
α Neutron Absorption
0 Kelvin Cross Sections
77-Ir-190m
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
77-Ir-190m

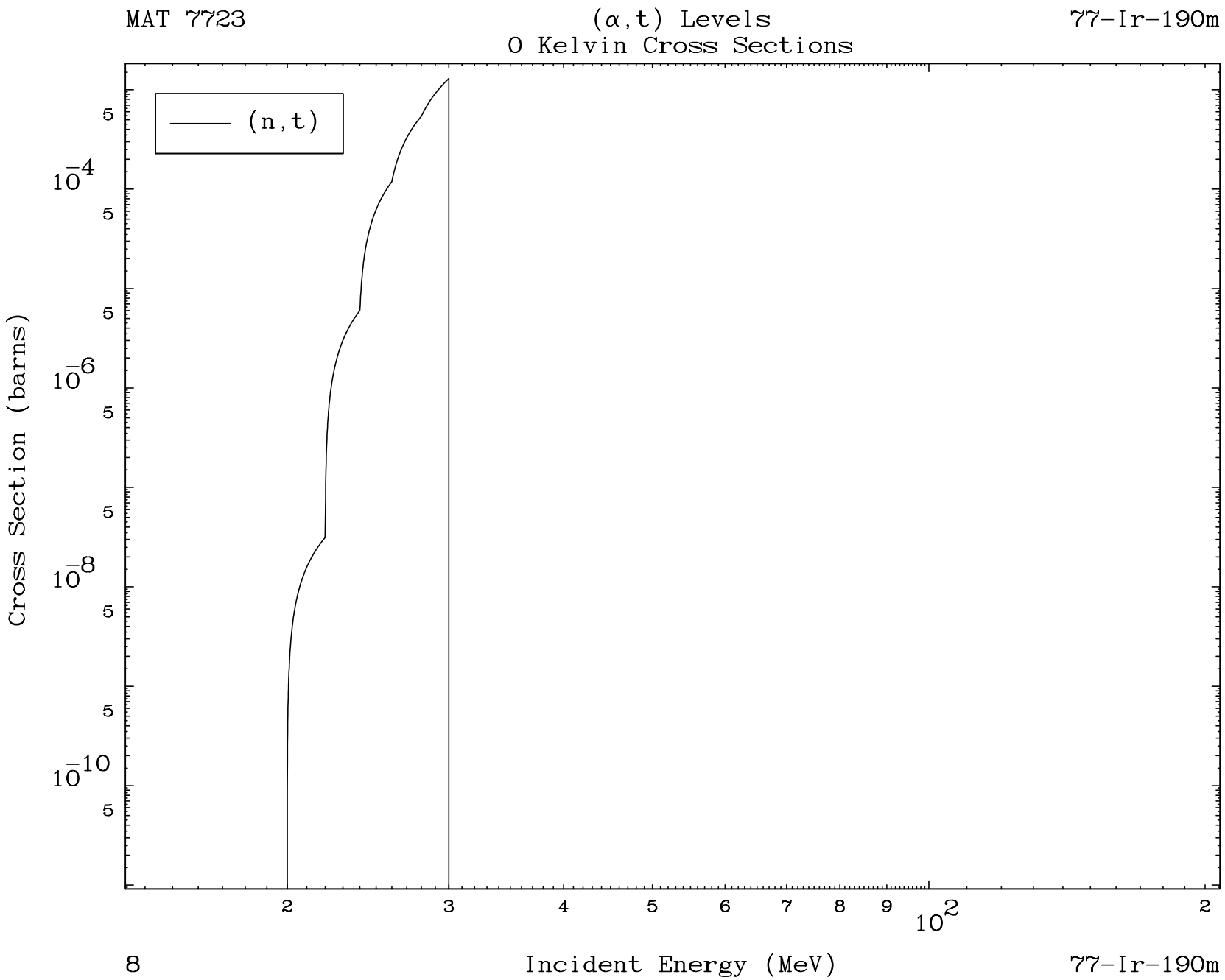

MAT 7723
α Neutron Absorption
0 Kelvin Cross Sections
77-Ir-190m
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
3
77-Ir-190m

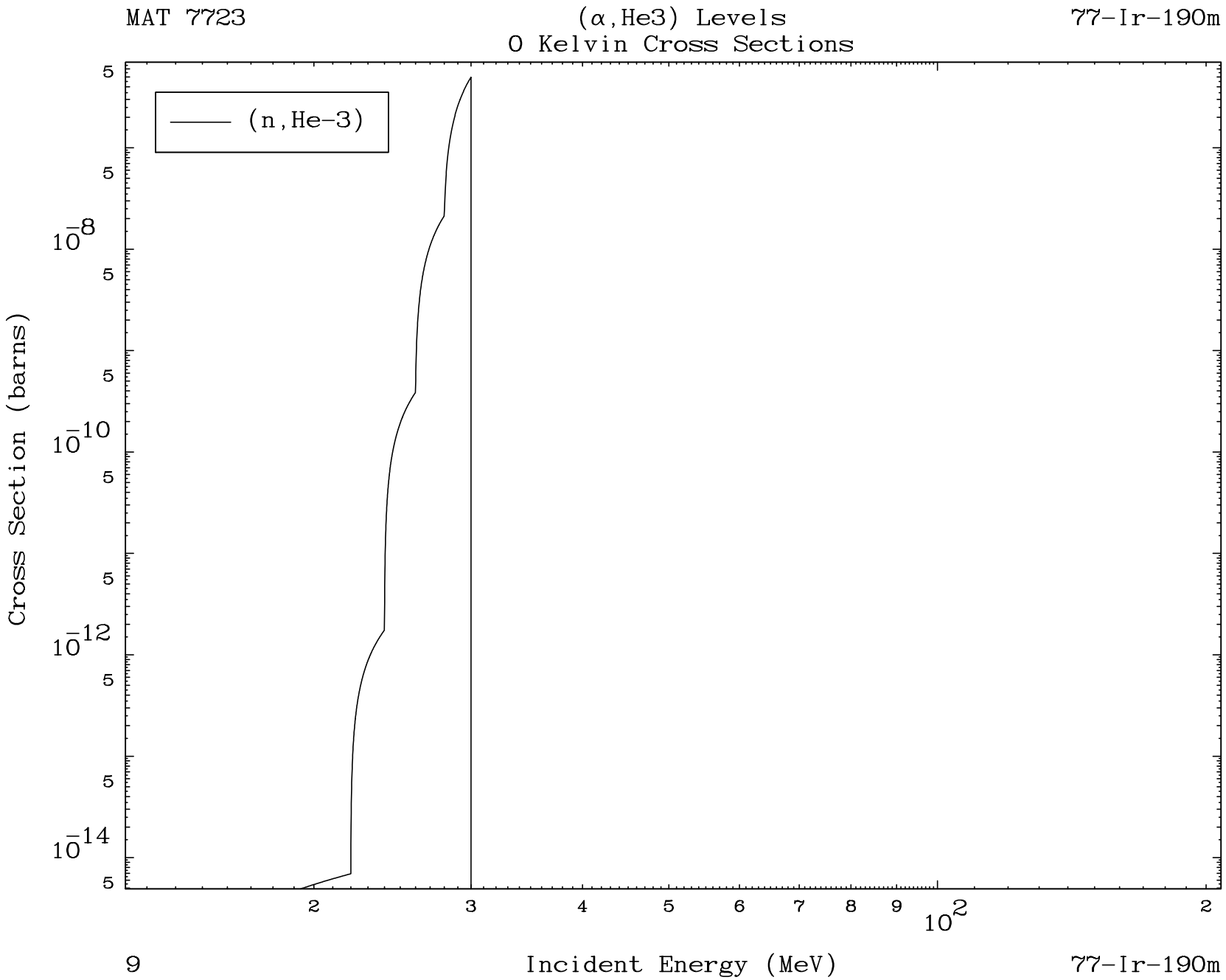

MAT 7723
α Charged Particle
0 Kelvin Cross Sections
77-Ir-190m
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
77-Ir-190m
4

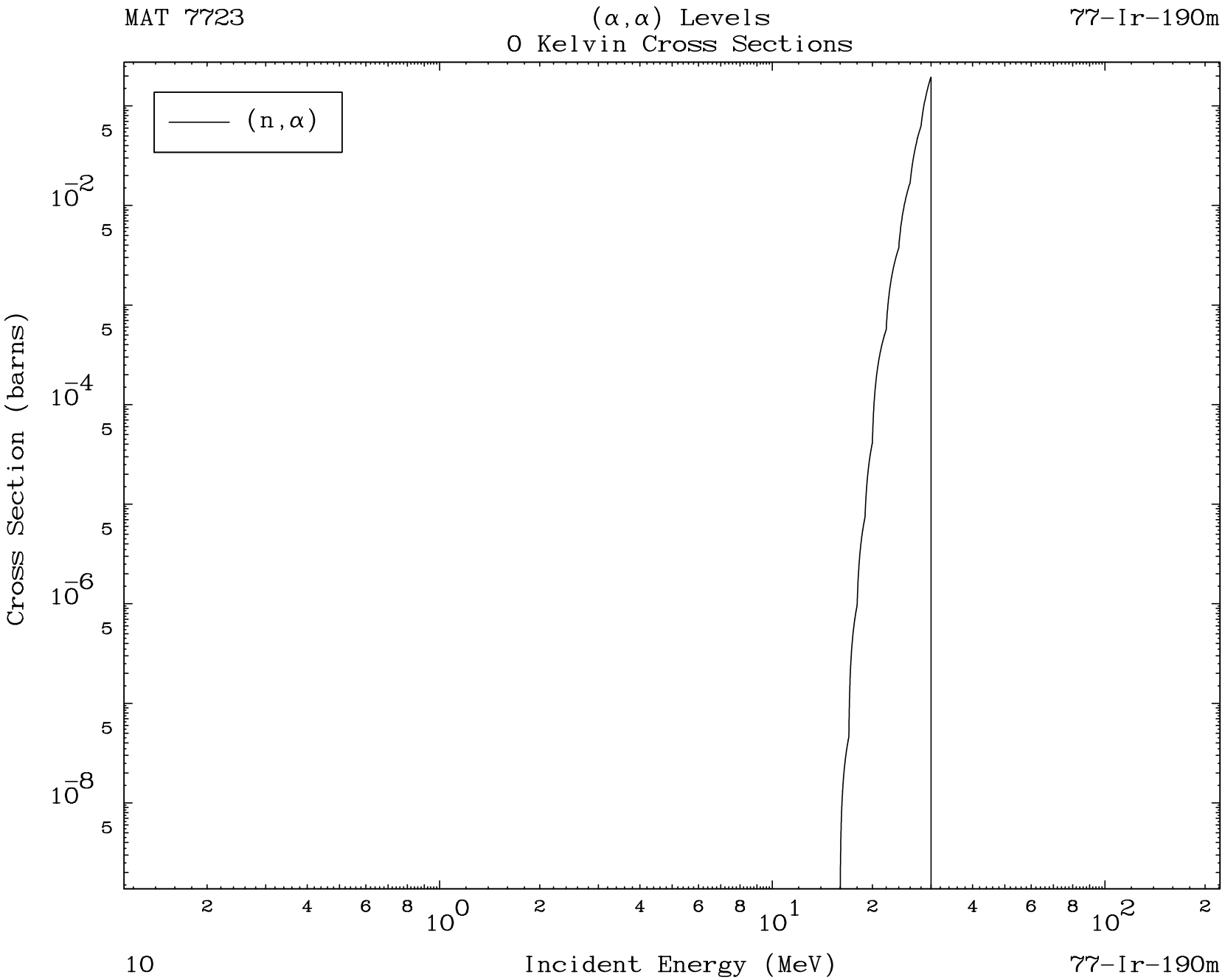

MAT 7723
α Charged Particle
0 Kelvin Cross Sections
77-Ir-190m
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
77-Ir-190m
5

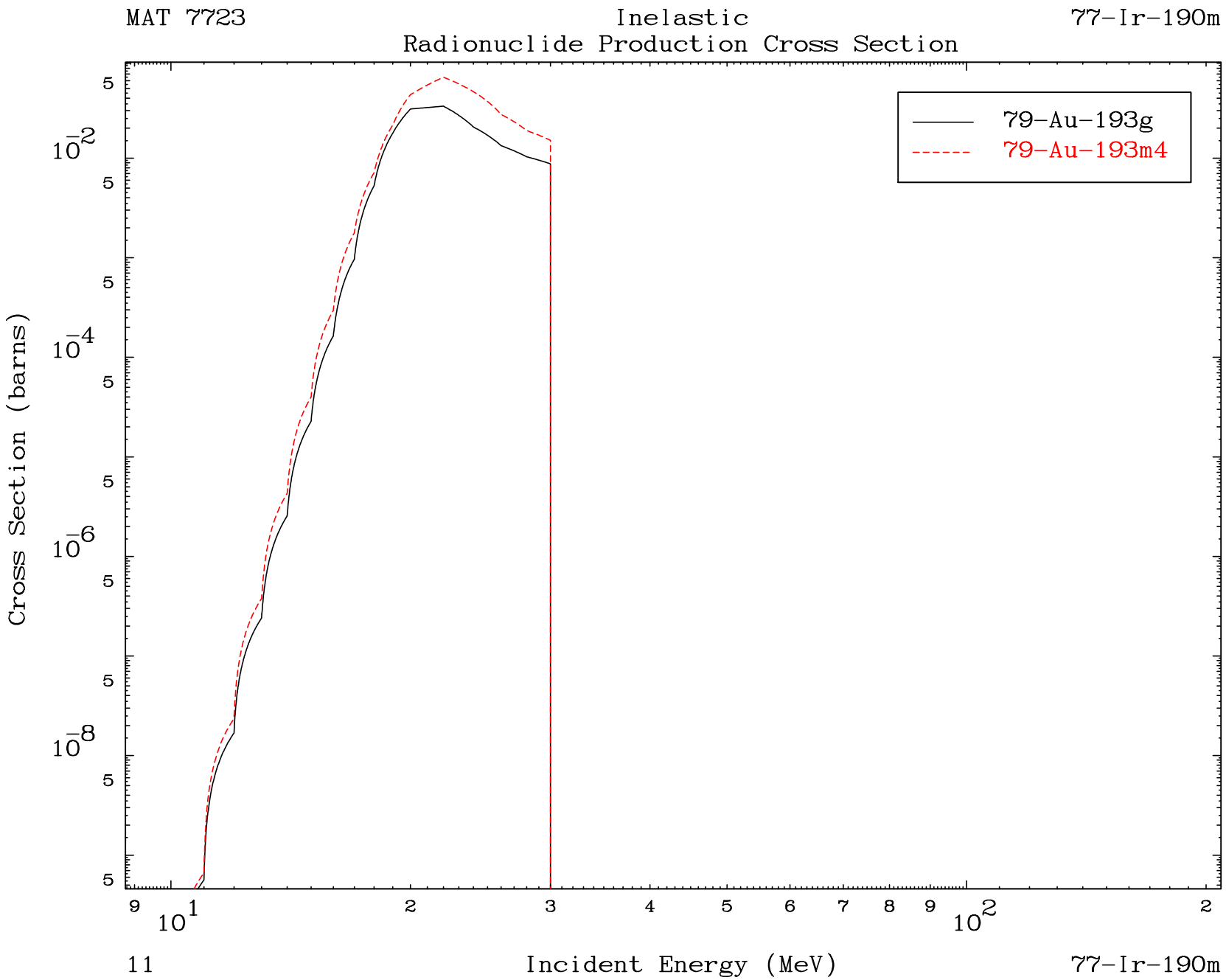

MAT 7723
(α,p) Levels
77-Ir-190m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
77-Ir-190m
6

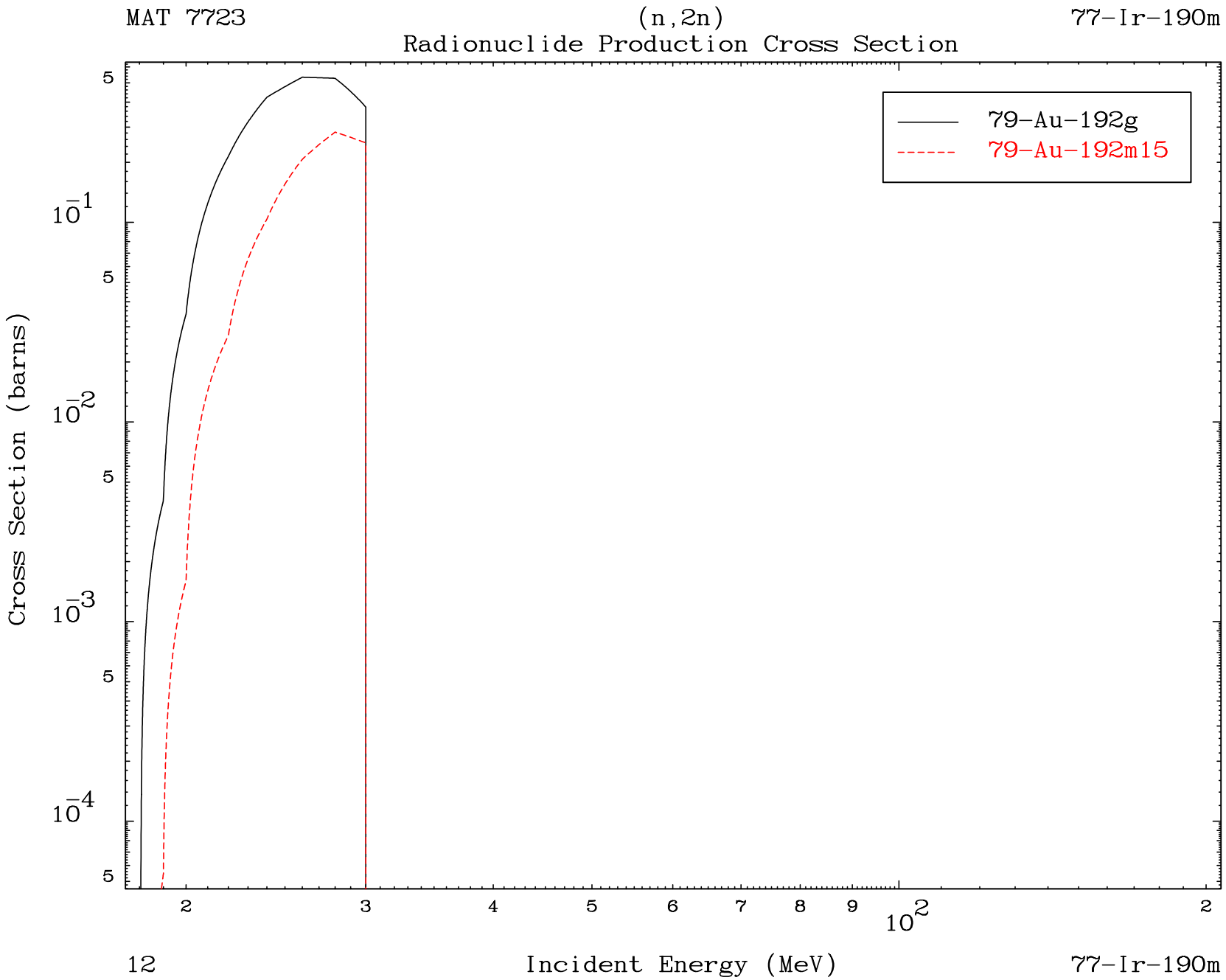

MAT 7723
(α,d) Levels
77-Ir-190m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
77-Ir-190m

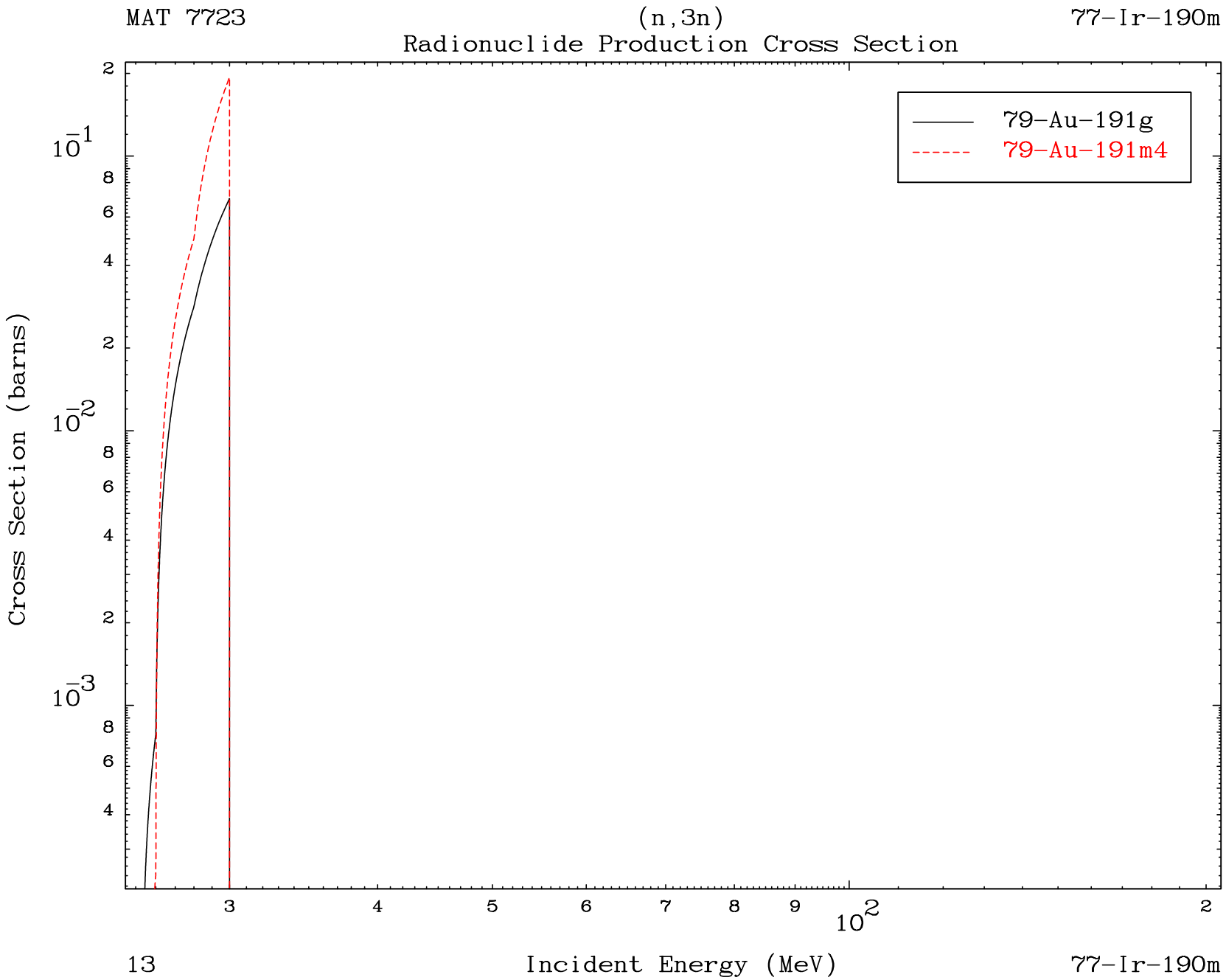

MAT 7723
(α,t) Levels
77-Ir-190m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
77-Ir-190m

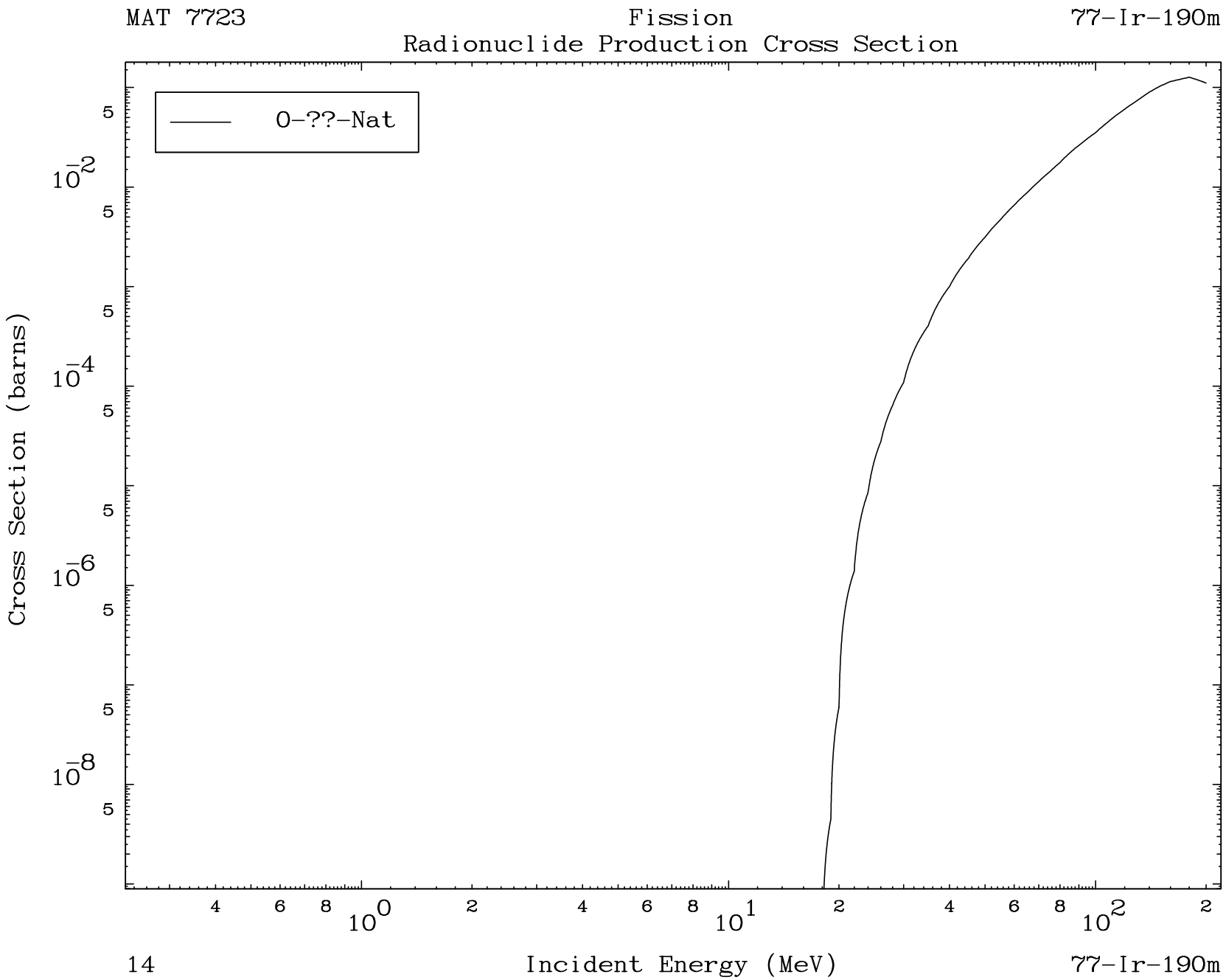

MAT 7723
(α,He3) Levels
77-Ir-190m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
9
77-Ir-190m

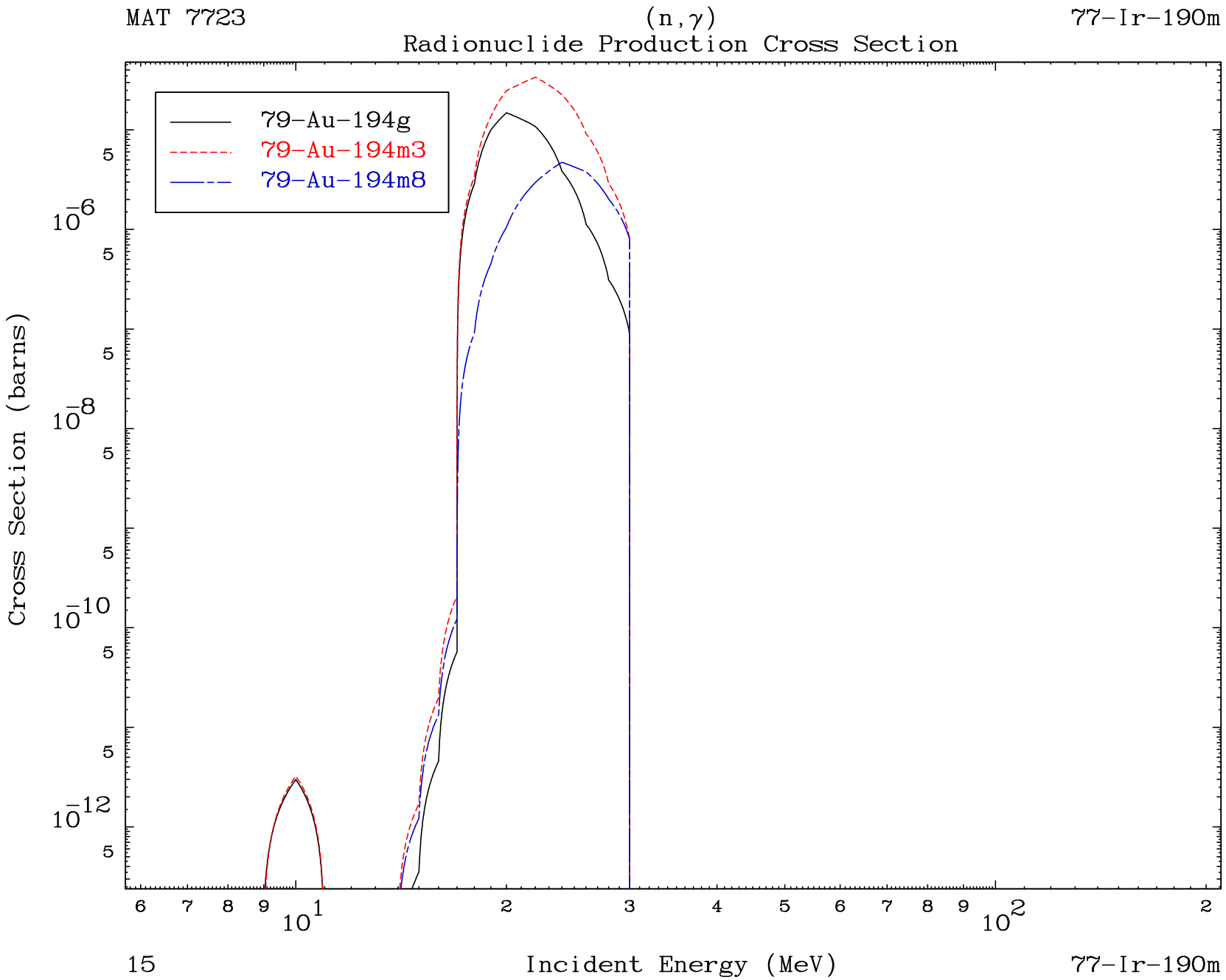

MAT 7723
(α,α) Levels
77-Ir-190m
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
77-Ir-190m

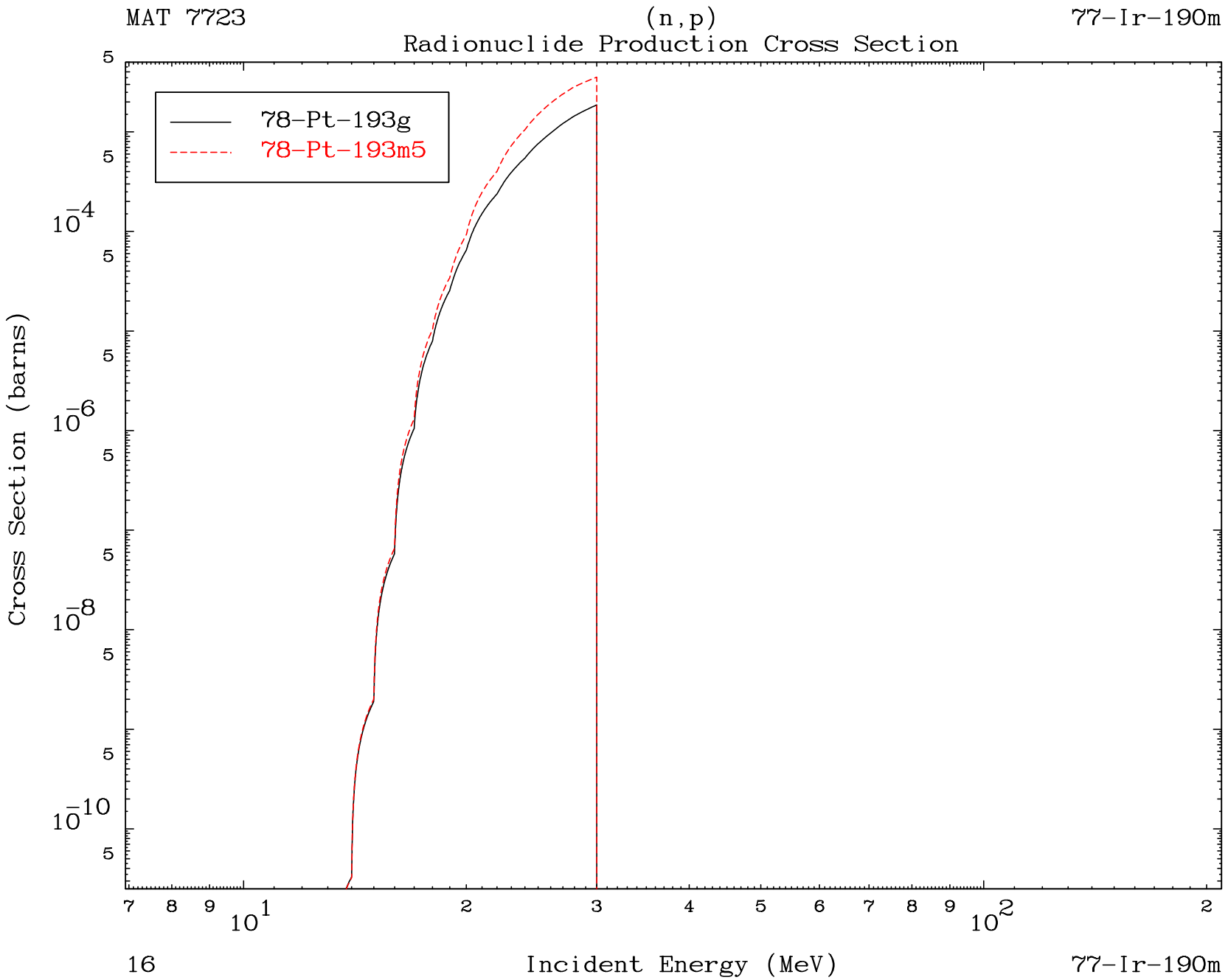

MAT 7723
Inelastic
77-Ir-190m
Radionuclide Production Cross Section
79-Au-193g
79-Au-193m4
Cross Section (barns)
Incident Energy (MeV)
11
77-Ir-190m

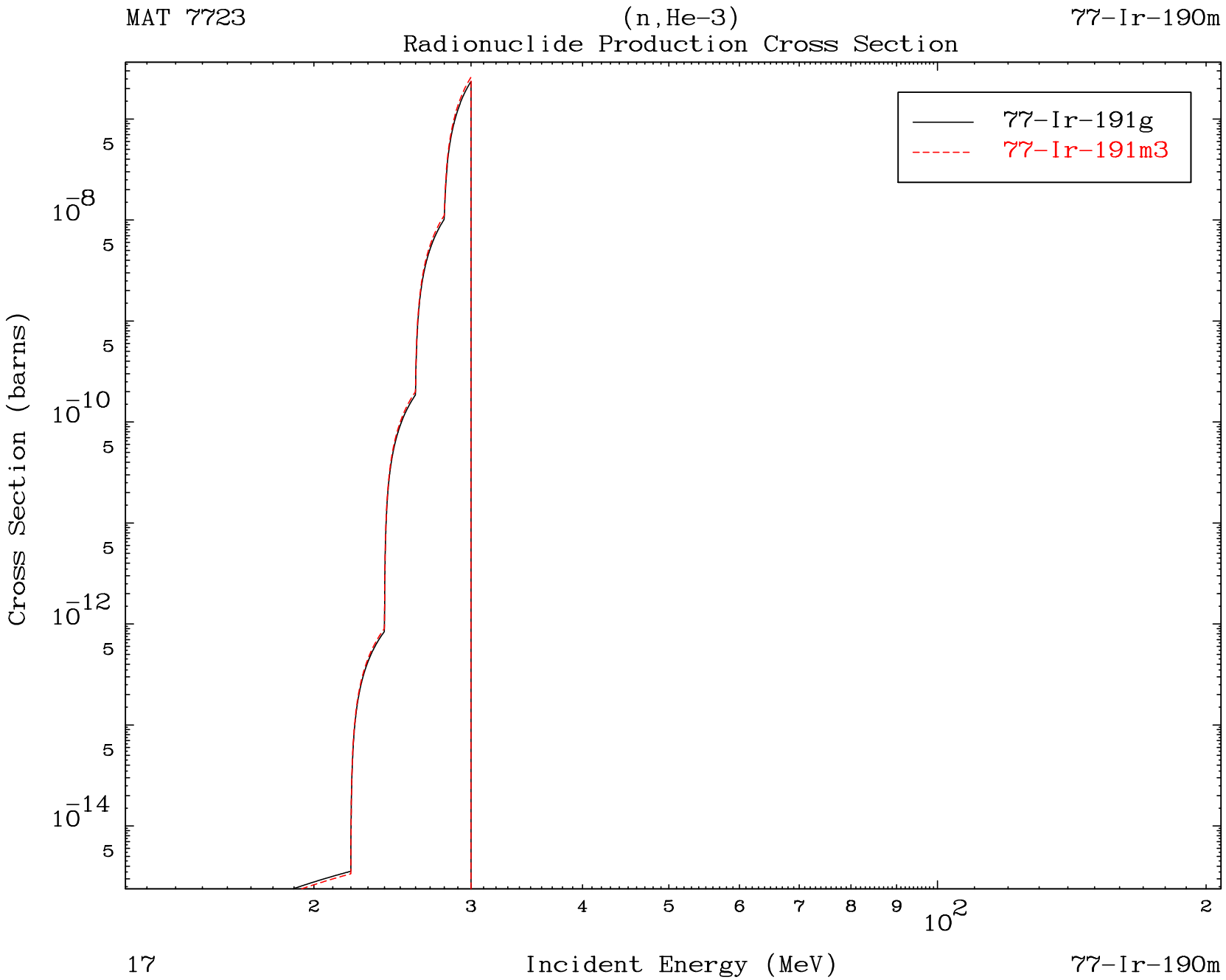

MAT 7723
(n,2n)
77-Ir-190m
Radionuclide Production Cross Section
79-Au-192g
79-Au-192m15
Cross Section (barns)
Incident Energy (MeV)
12
77-Ir-190m

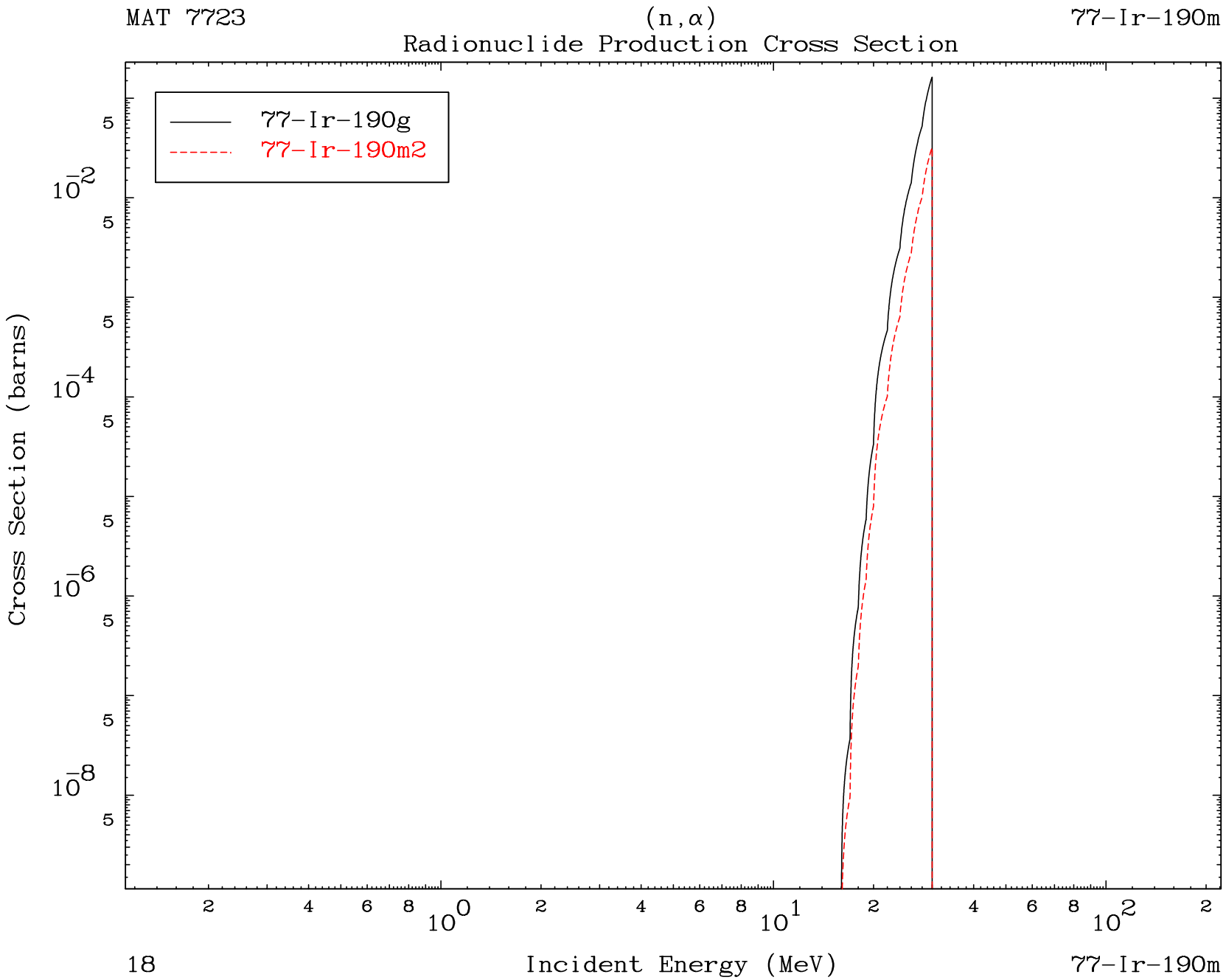

MAT 7723
(n,3n)
77-Ir-190m
Radionuclide Production Cross Section
79-Au-191g
79-Au-191m4
Cross Section (barns)
Incident Energy (MeV)
13
77-Ir-190m

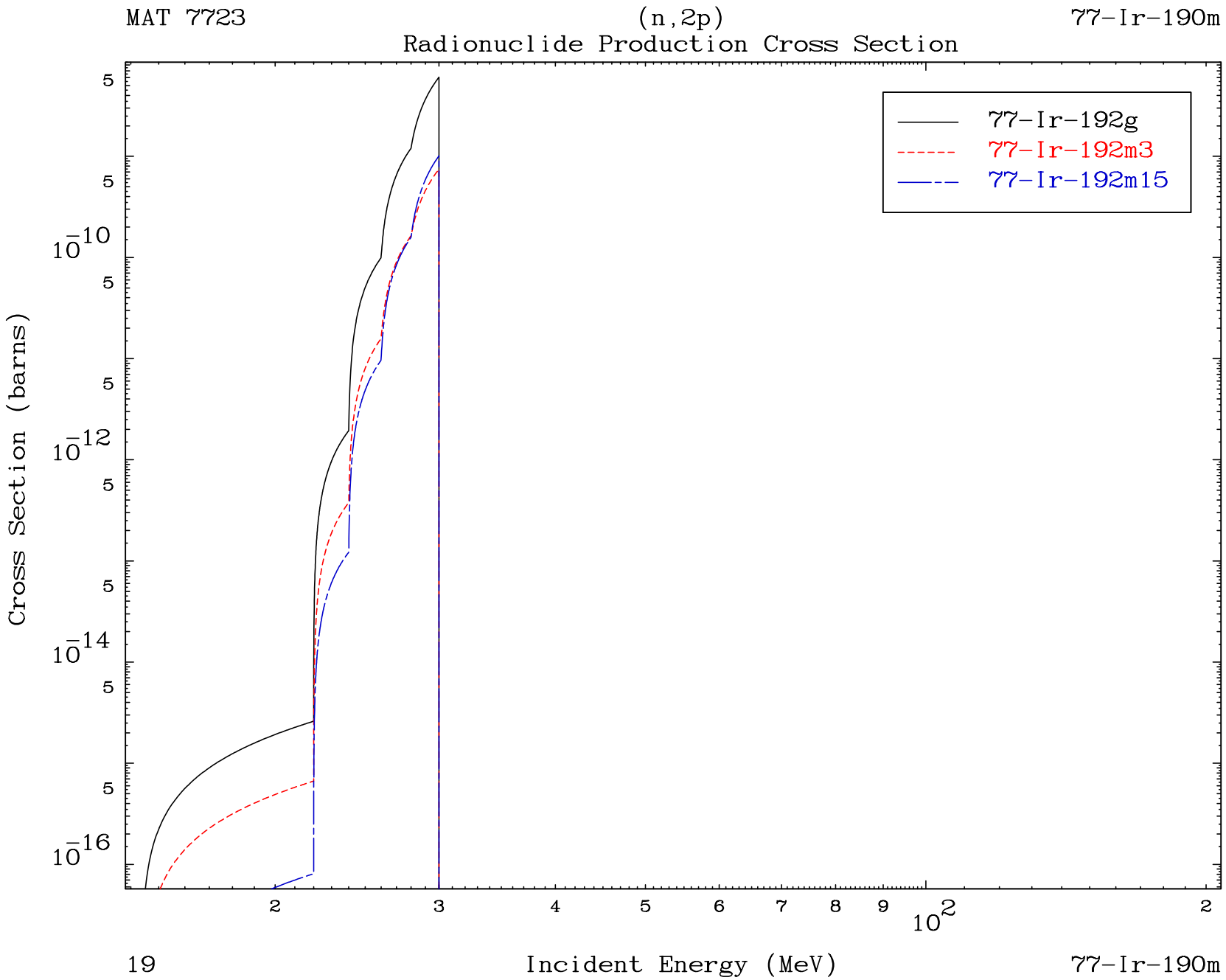

MAT 7723
Fission
77-Ir-190m
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
14
77-Ir-190m

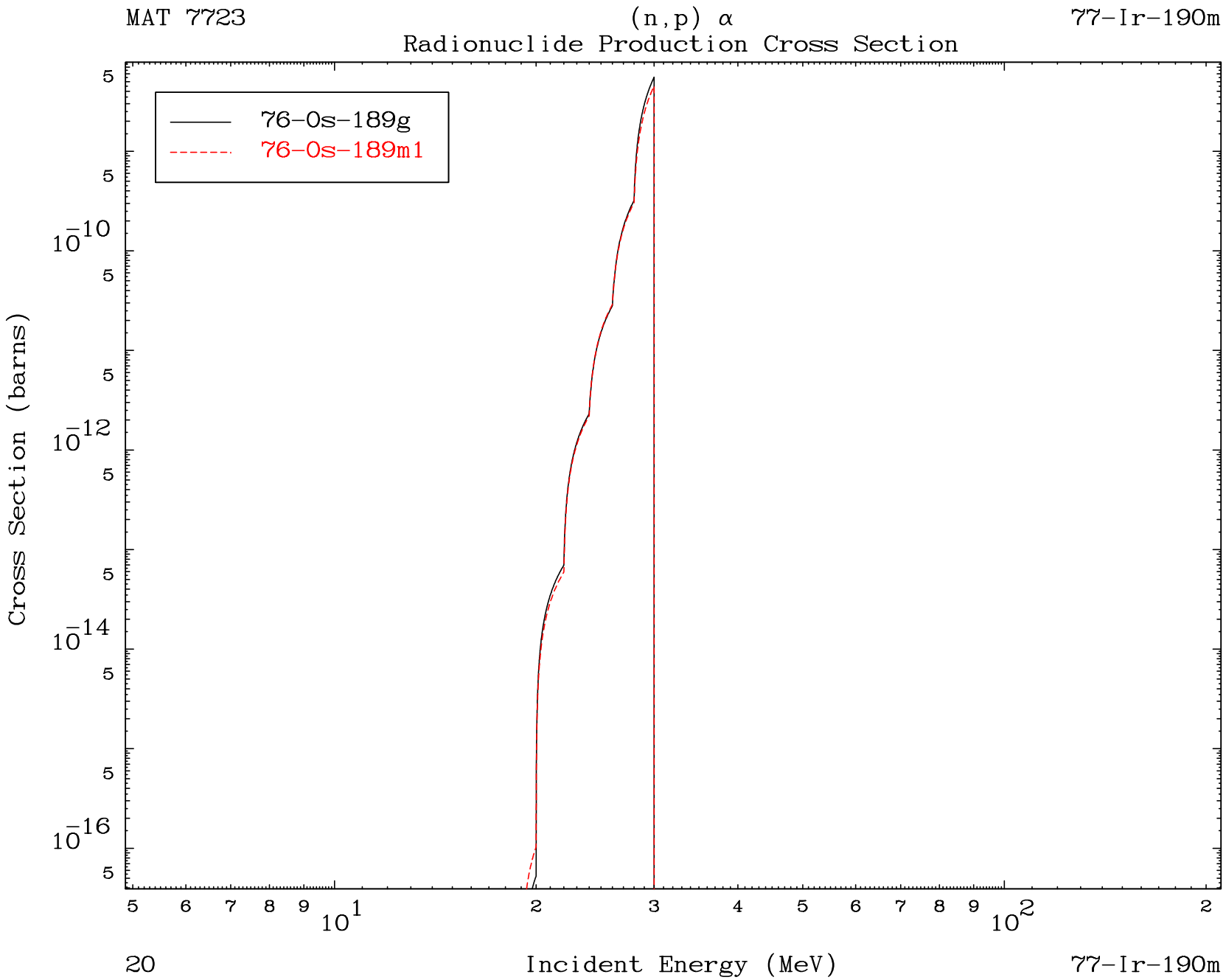

MAT 7723
(n,γ)
77-Ir-190m
Radionuclide Production Cross Section
79-Au-194g
79-Au-194m3
79-Au-194m8
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
15
77-Ir-190m


MAT 7723
(n,p)
77-Ir-190m
Radionuclide Production Cross Section
78-Pt-193g
78-Pt-193m5
Cross Section (barns)
Incident Energy (MeV)
77-Ir-190m
16


MAT 7723
(n,He-3)
77-Ir-190m
Radionuclide Production Cross Section
77-Ir-191g
77-Ir-191m3
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
77-Ir-190m


MAT 7723
(n,α)
77-Ir-190m
Radionuclide Production Cross Section
77-Ir-190g
77-Ir-190m2
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
18
77-Ir-190m


MAT 7723
(n,2p)
77-Ir-190m
Radionuclide Production Cross Section
77-Ir-192g
77-Ir-192m3
77-Ir-192m15
Cross Section (barns)
Incident Energy (MeV)
19
77-Ir-190m


MAT 7723
(n,p) α
77-Ir-190m
Radionuclide Production Cross Section
76-Os-189g
76-Os-189m1
Cross Section (barns)
Incident Energy (MeV)
20
77-Ir-190m