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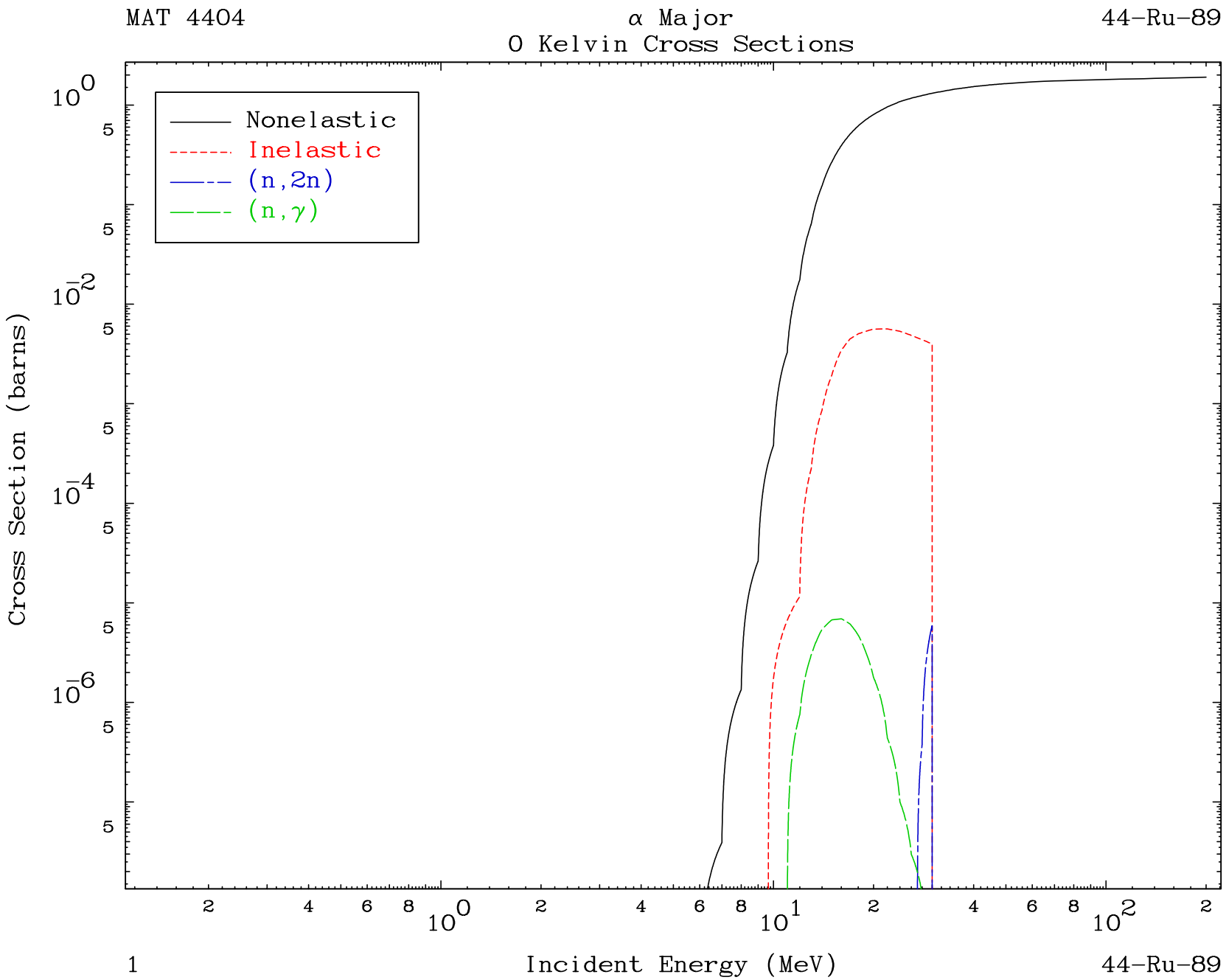
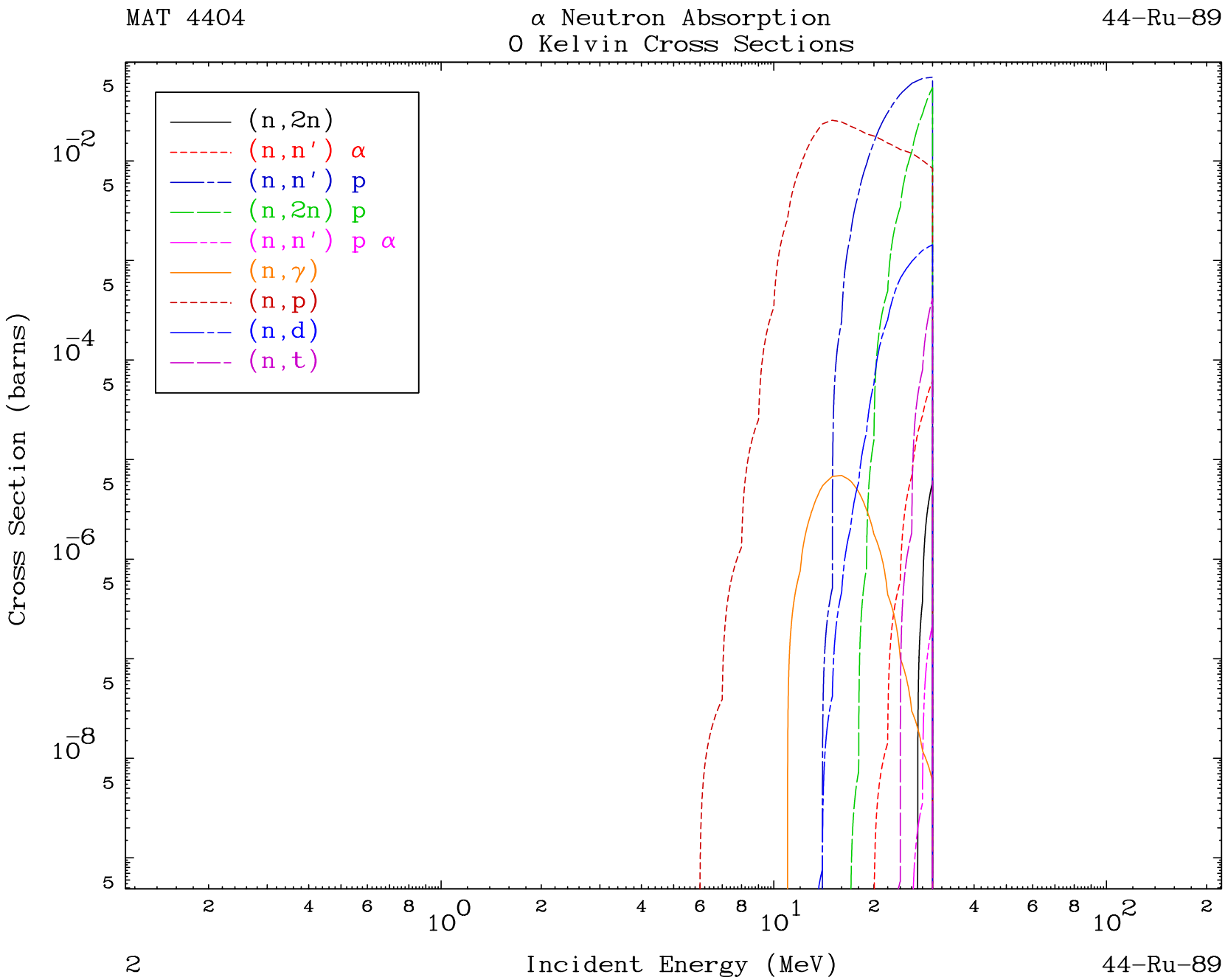
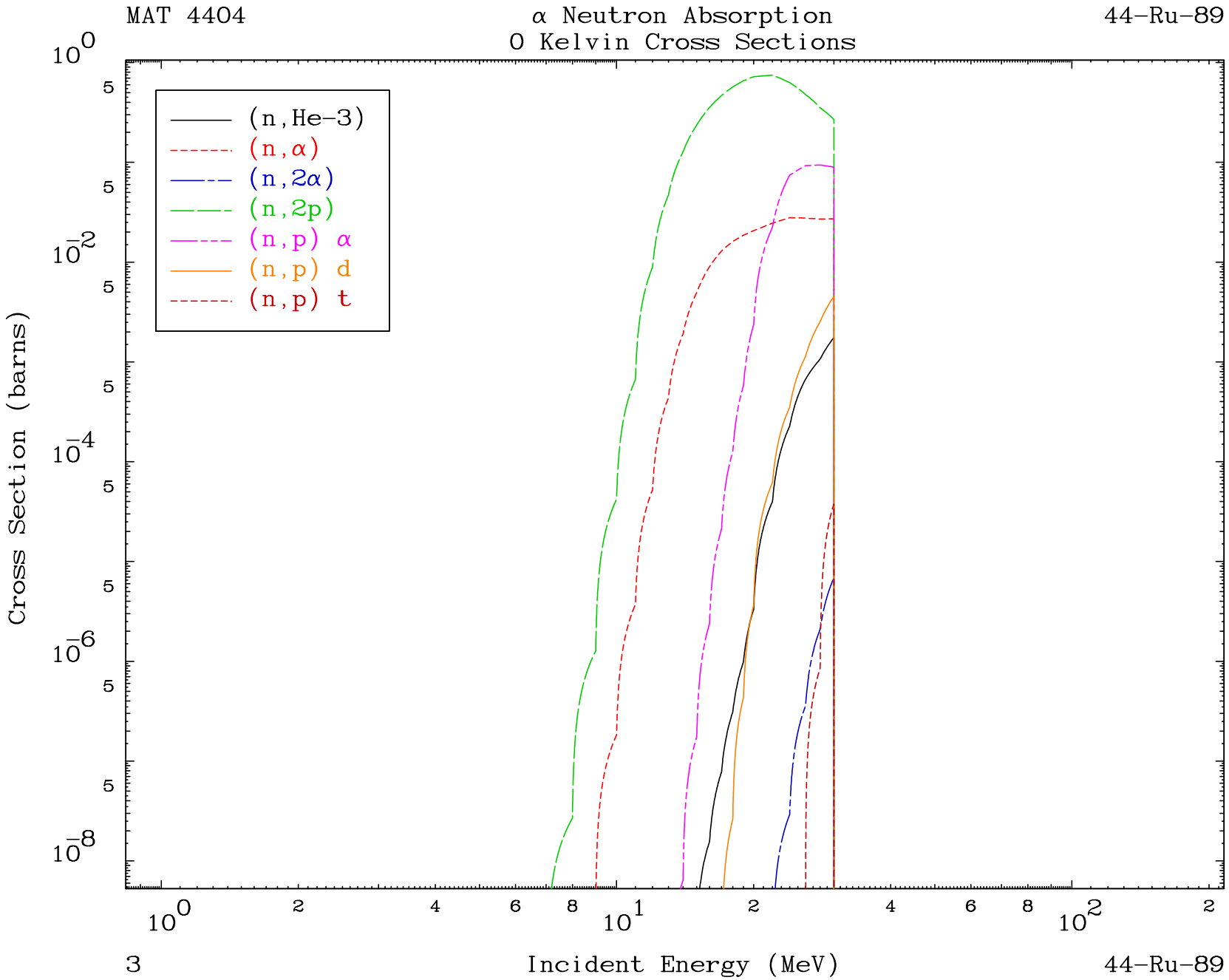
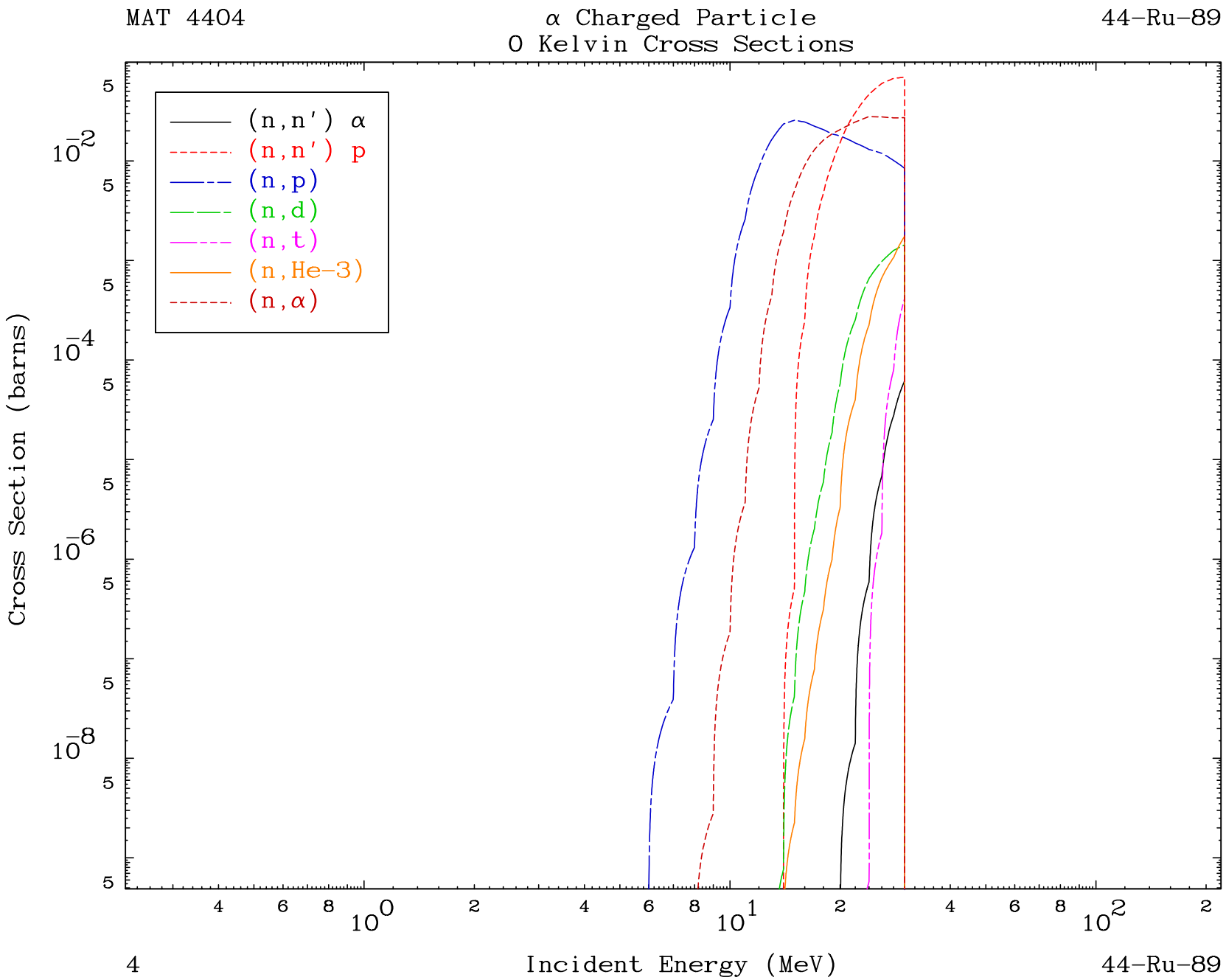
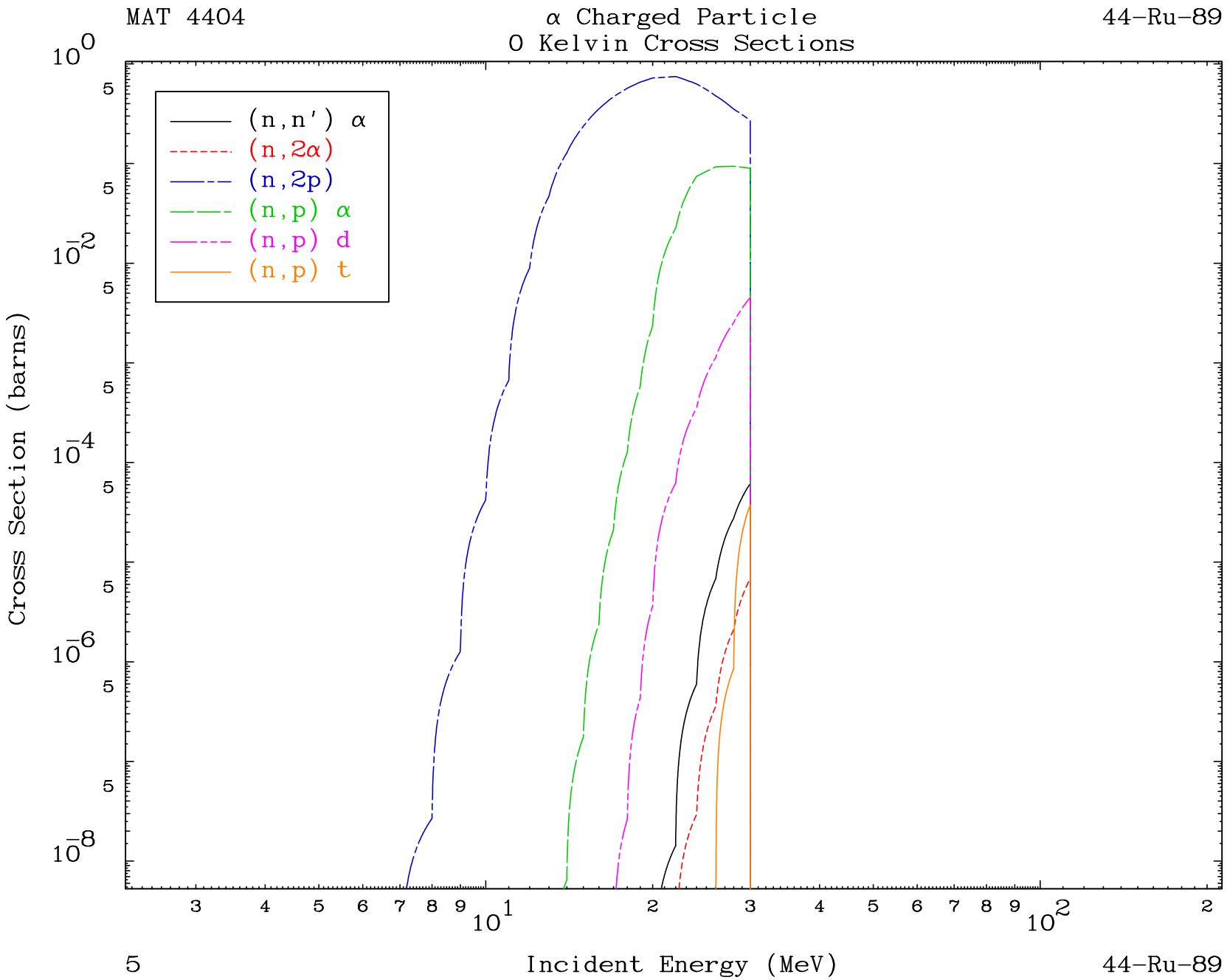
Press Mouse Button to Start

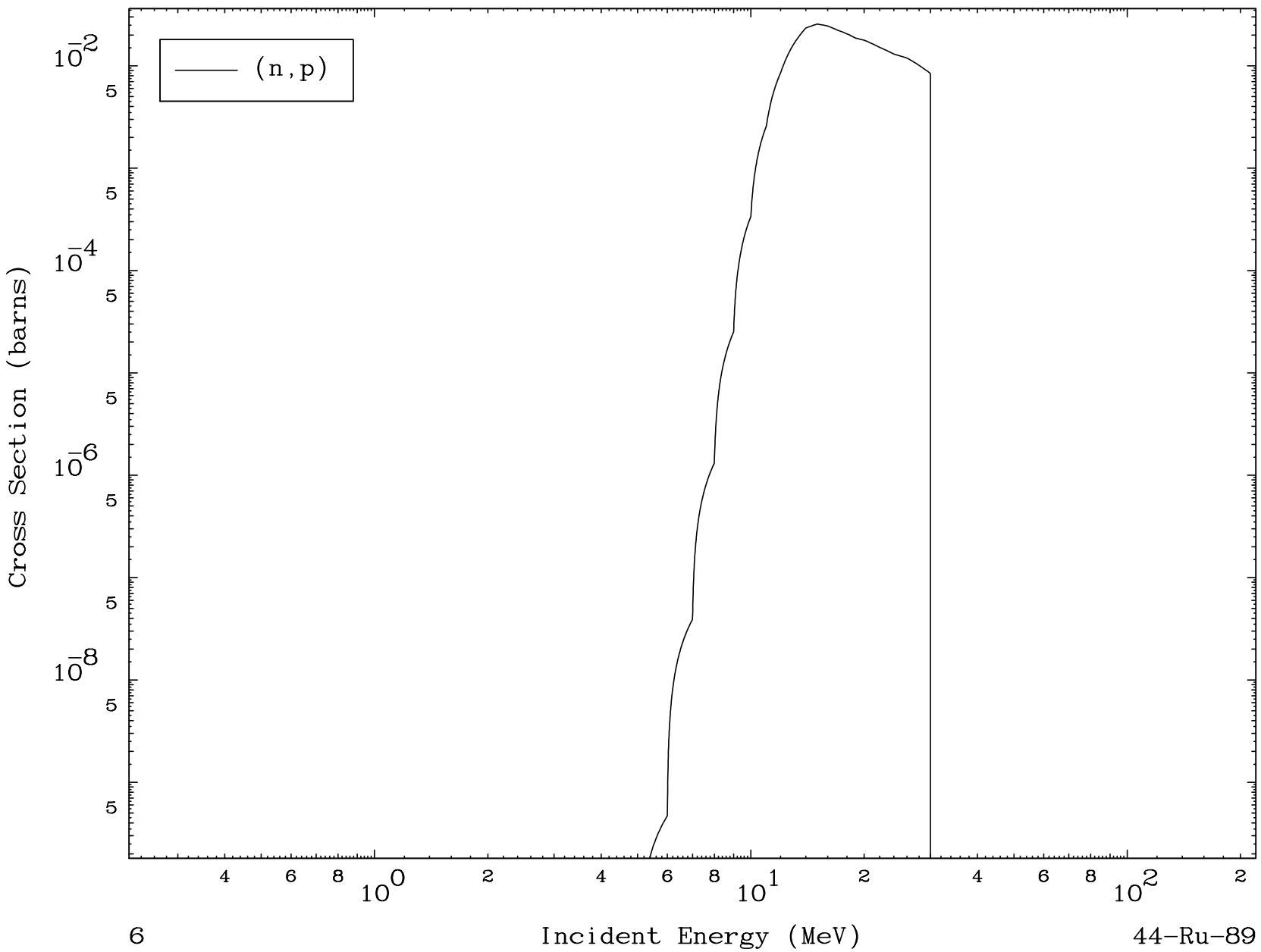

MAT 4404
α Major
44-Ru-89
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
44-Ru-89
1


MAT 4404
α Neutron Absorption
0 Kelvin Cross Sections
44-Ru-89
(n,2n)
(n,n') α
(n,n') p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
44-Ru-89
2

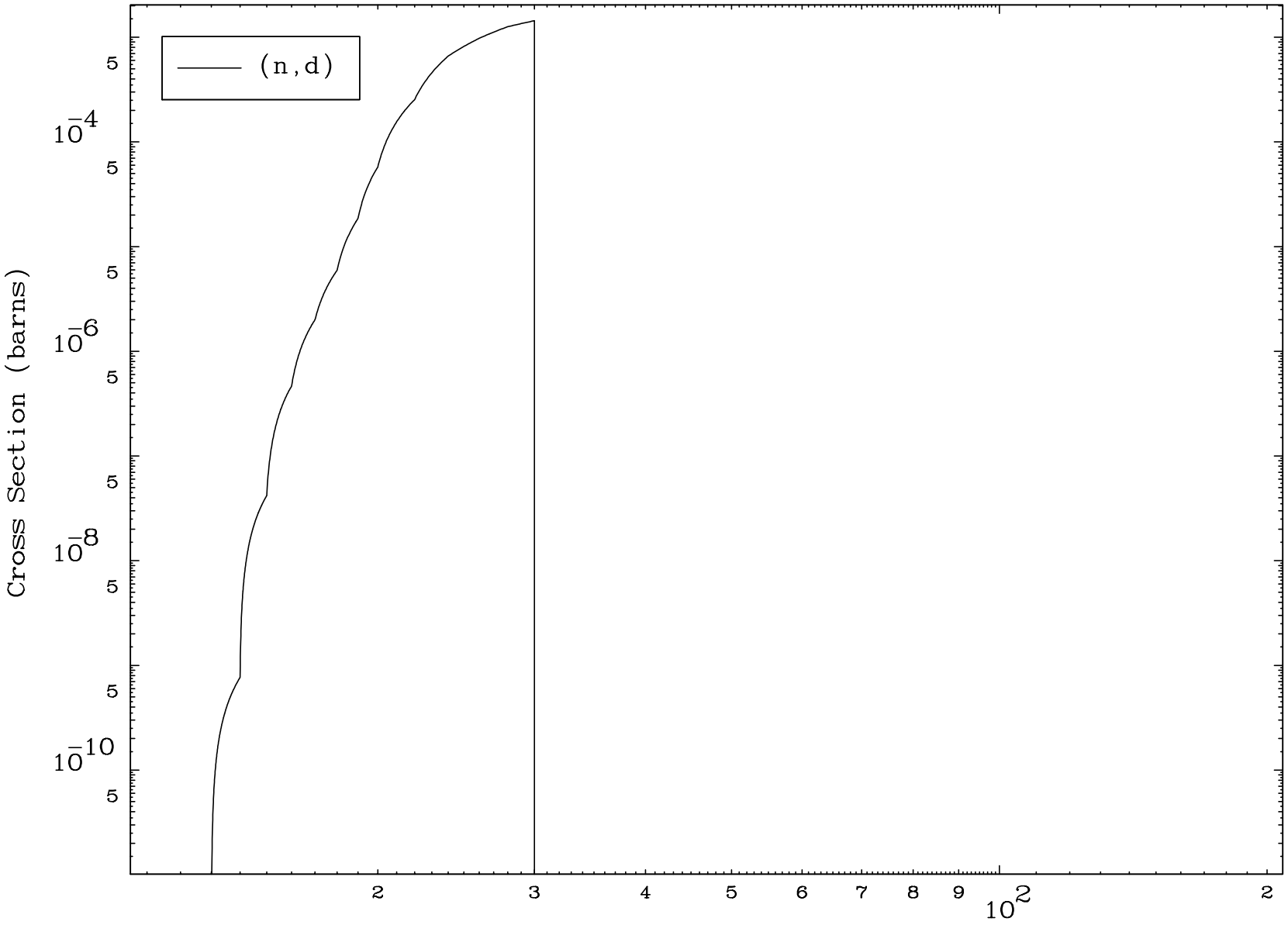

MAT 4404
α Neutron Absorption
0 Kelvin Cross Sections
44-Ru-89
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
3
44-Ru-89

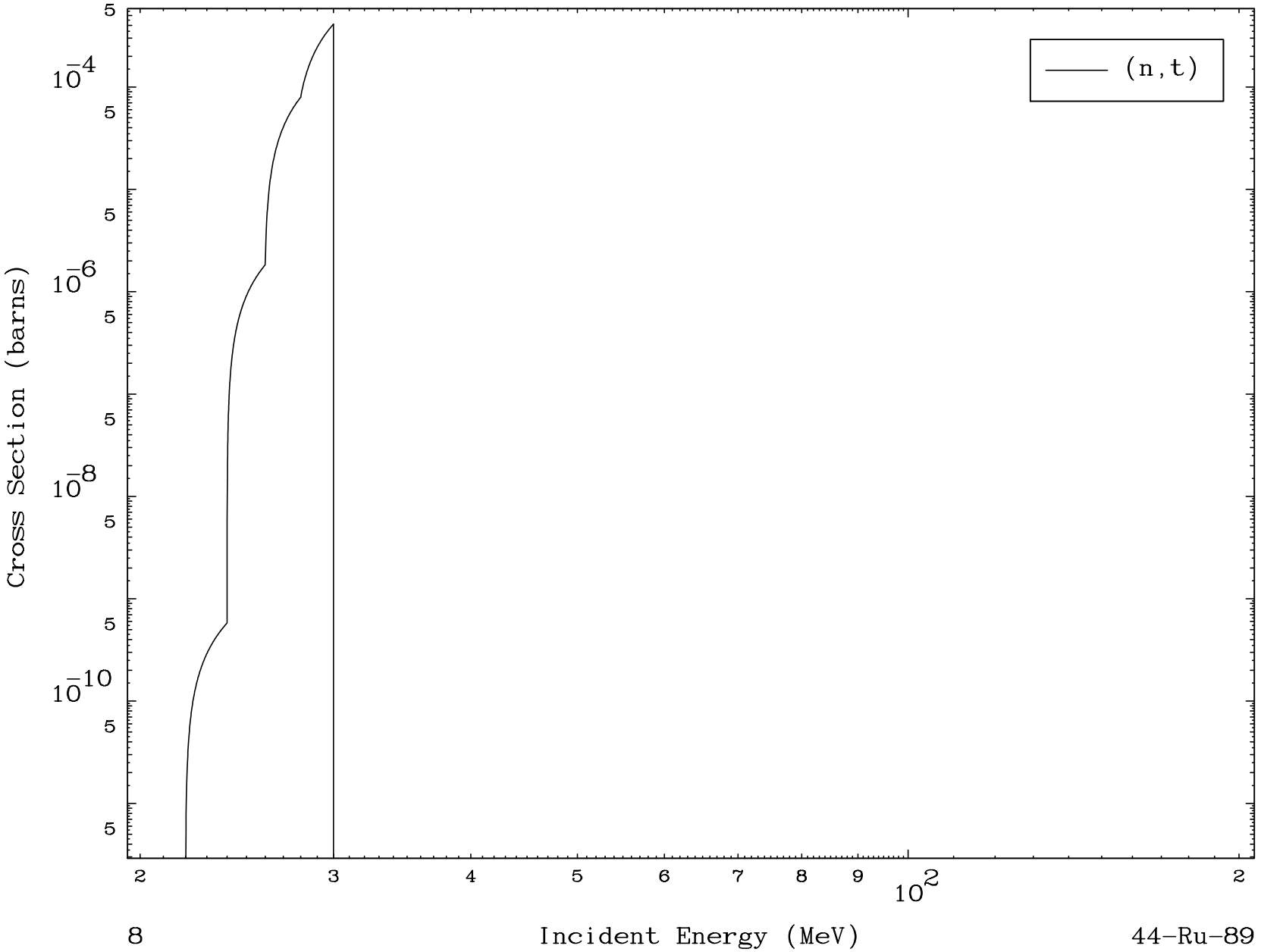

MAT 4404
α Charged Particle
0 Kelvin Cross Sections
44-Ru-89
(n,n') α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
4
44-Ru-89

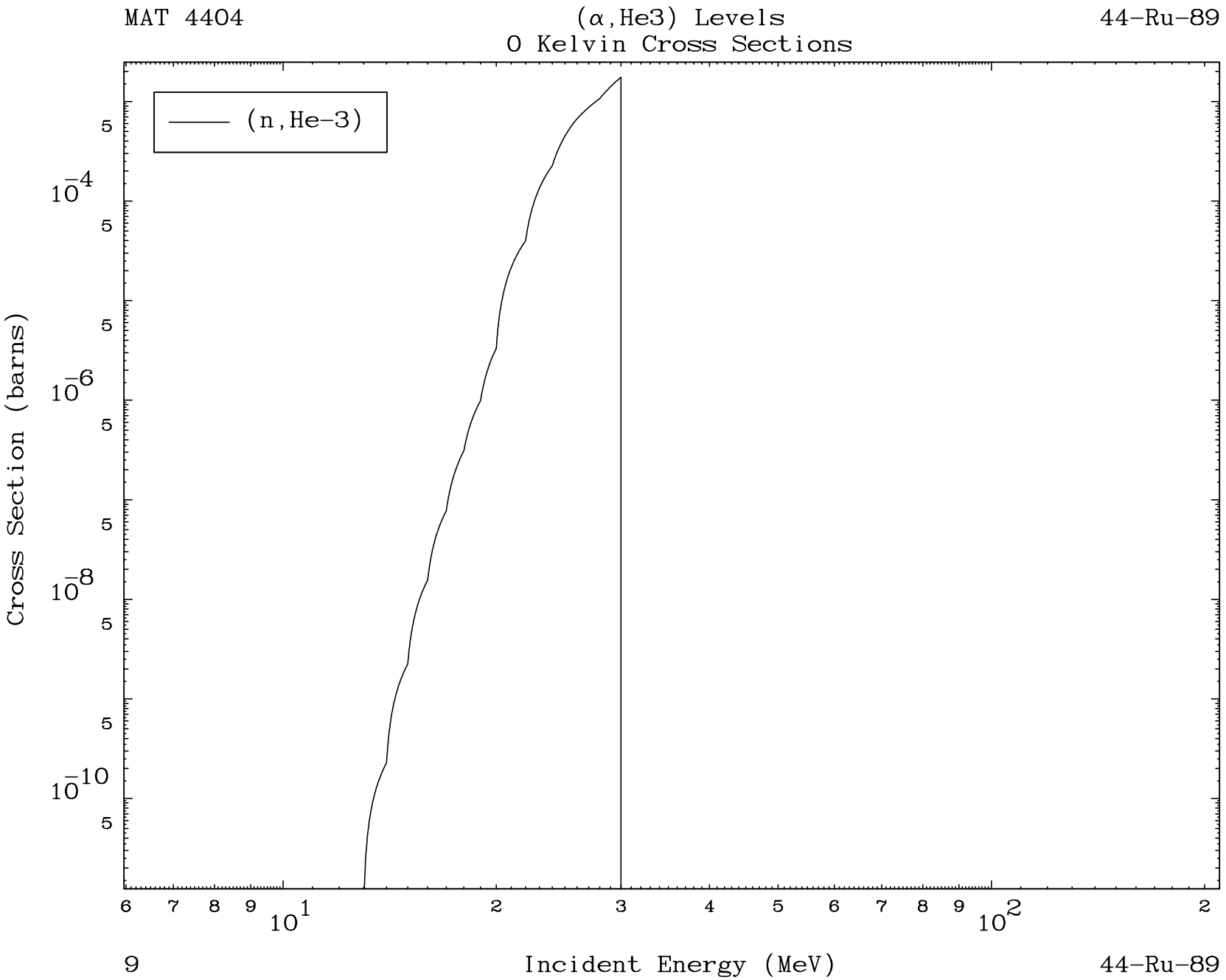

MAT 4404
α Charged Particle
0 Kelvin Cross Sections
44-Ru-89
(n,n') α
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
44-Ru-89

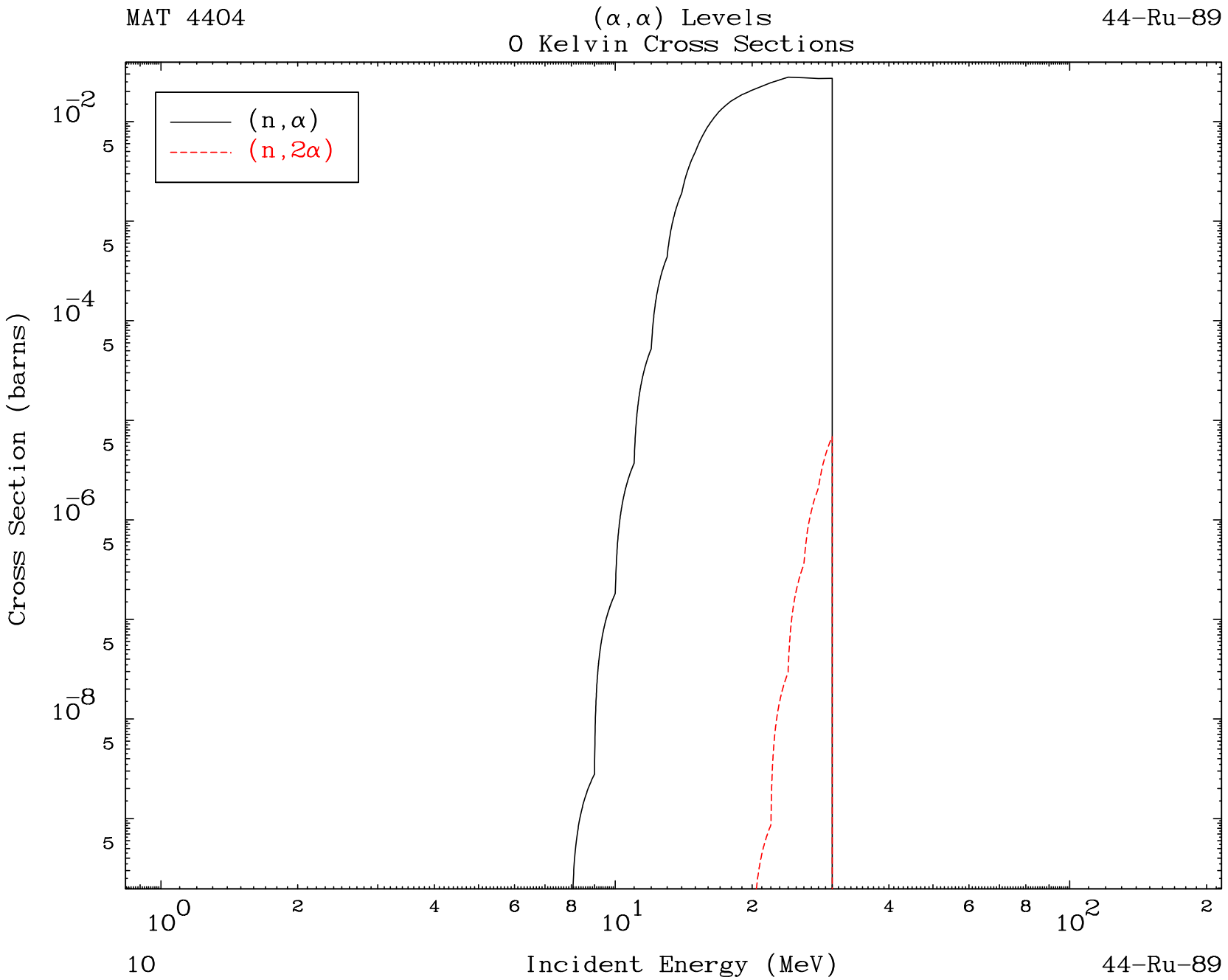

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4 6 8 10^0 2 4 6 8 10^1 2 4 6 8 10^2 2
Incident Energy (MeV)

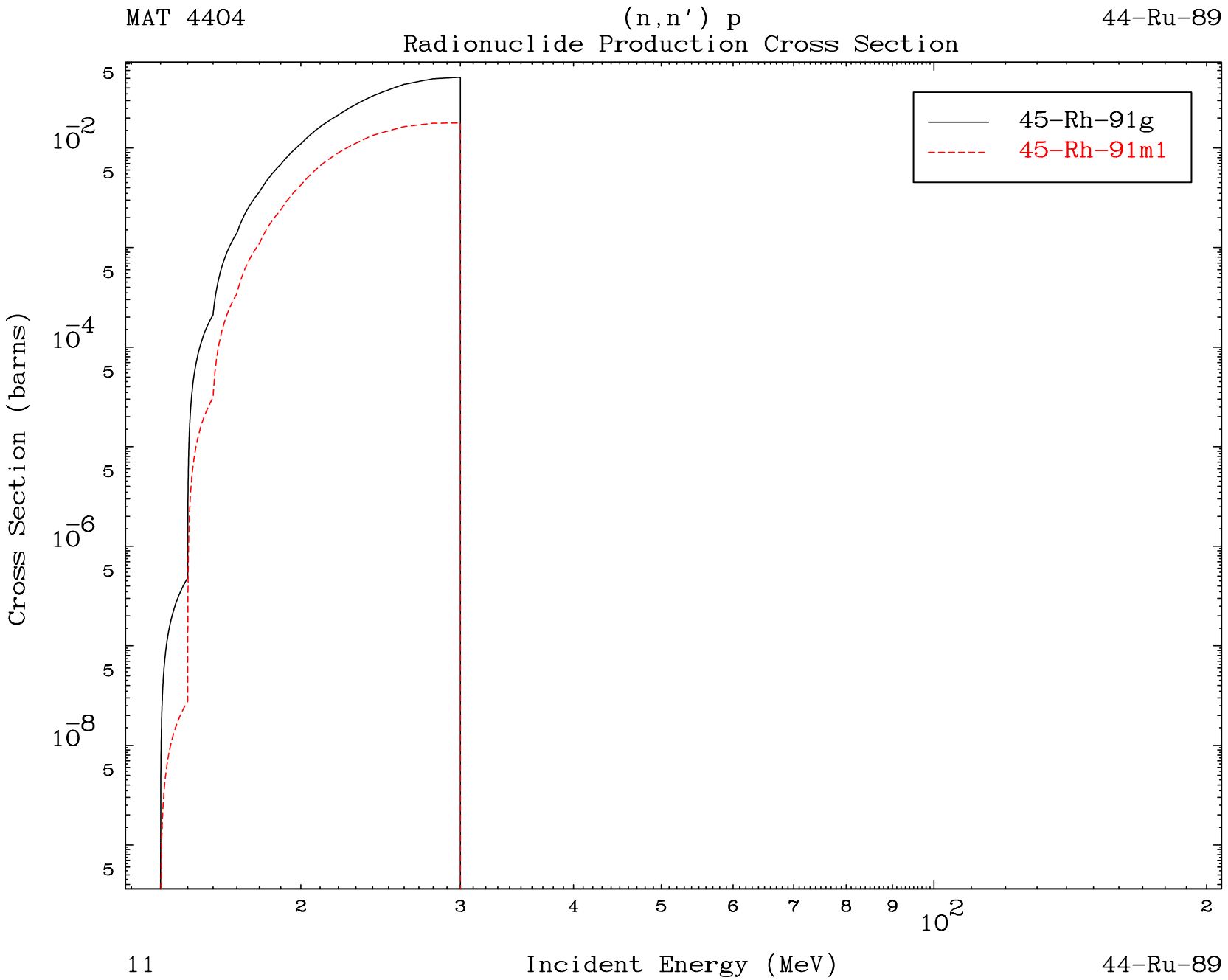
0 Kelvin Cross Sections

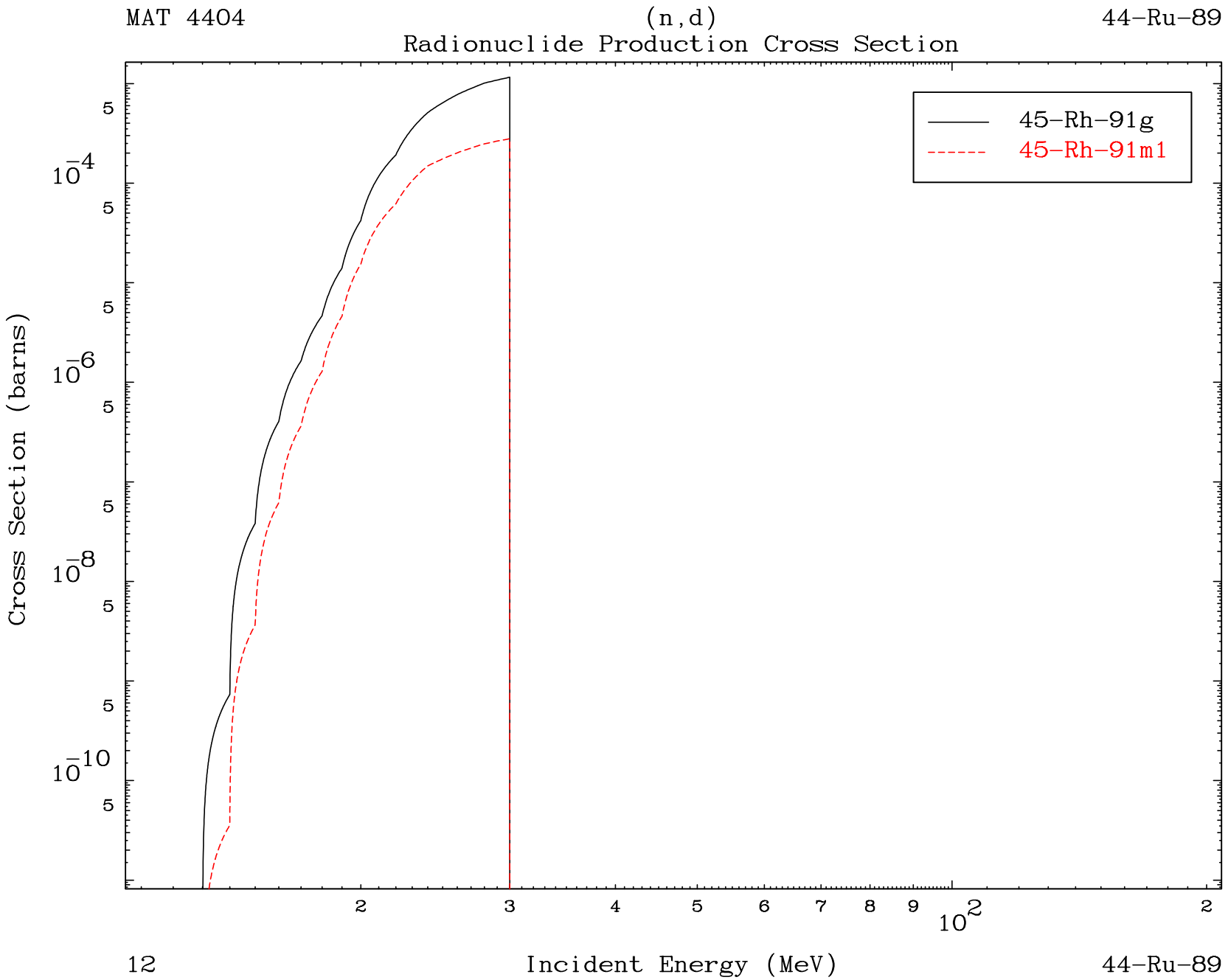


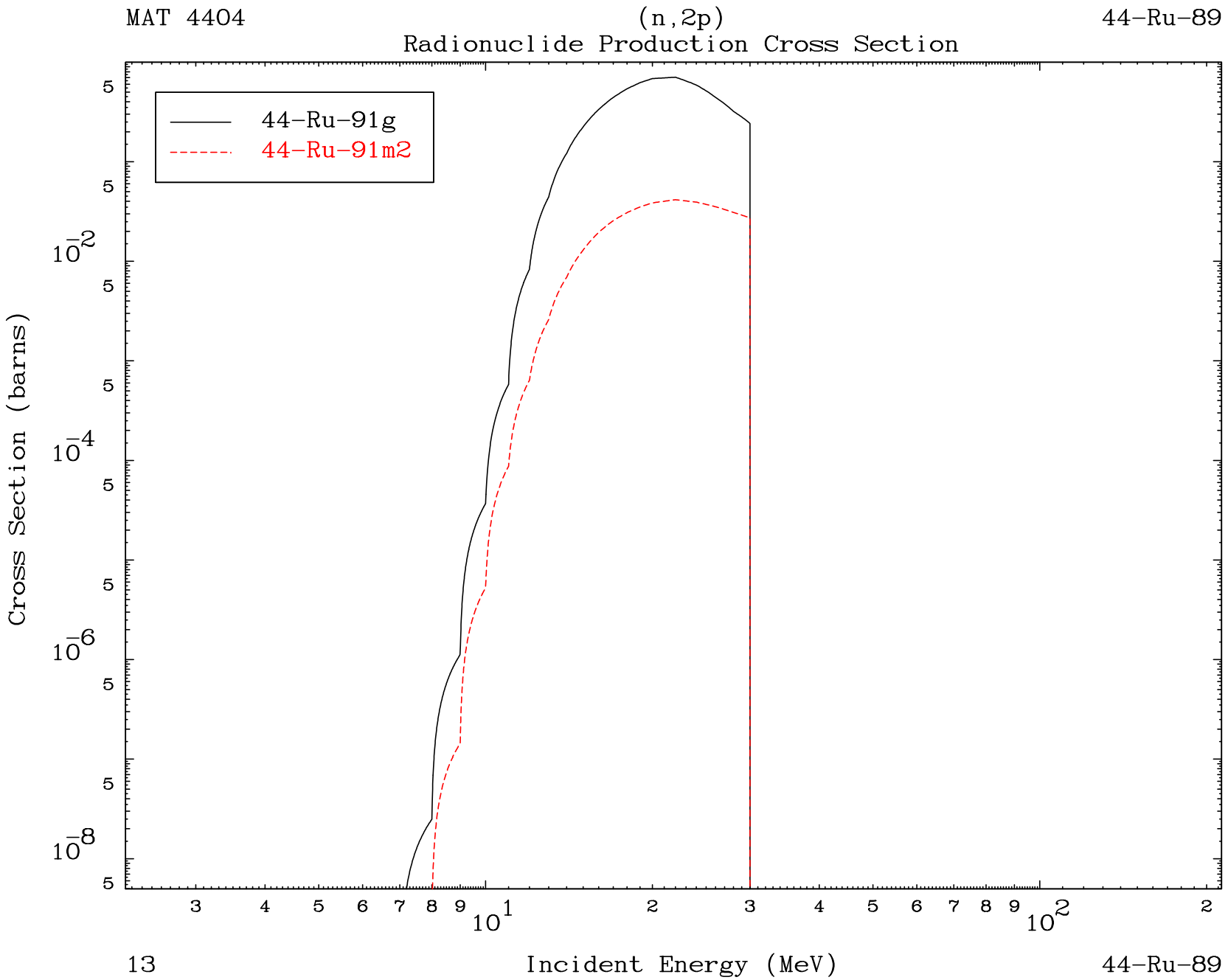

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2

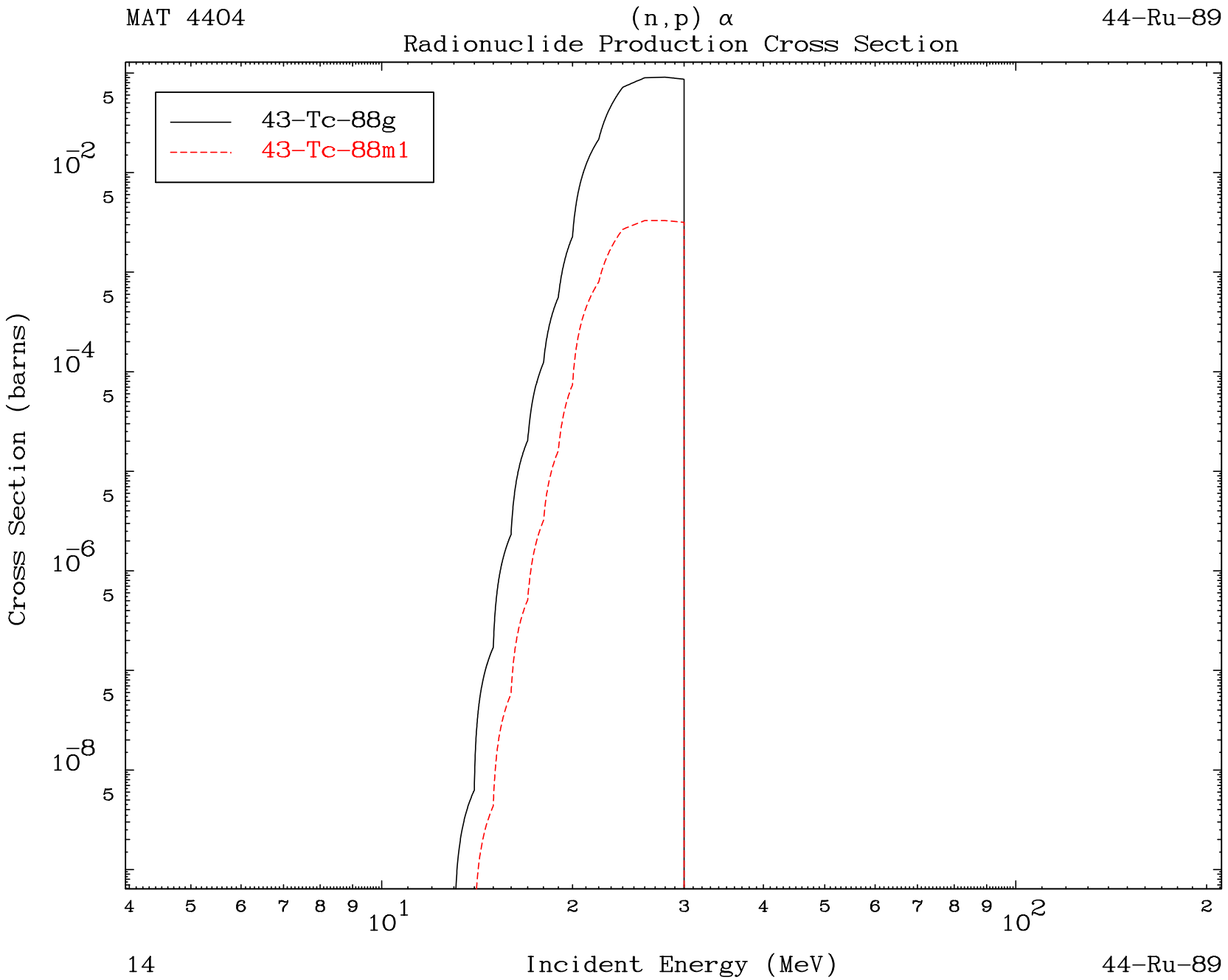

MAT 4404
(α,He3) Levels
44-Ru-89
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^1
10^2
9
44-Ru-89


MAT 4404
(α,α) Levels
44-Ru-89
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
44-Ru-89


MAT 4404
(n,n') p
44-Ru-89
Radionuclide Production Cross Section
45-Rh-91g
45-Rh-91m1
Cross Section (barns)
Incident Energy (MeV)
11
44-Ru-89


MAT 4404
(n,d)
44-Ru-89
Radionuclide Production Cross Section
45-Rh-91g
45-Rh-91m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
44-Ru-89


MAT 4404
(n,2p)
44-Ru-89
Radionuclide Production Cross Section
44-Ru-91g
44-Ru-91m2
Cross Section (barns)
Incident Energy (MeV)
13
44-Ru-89


MAT 4404
(n,p) α
44-Ru-89
Radionuclide Production Cross Section
43-Tc-88g
43-Tc-88m1
Cross Section (barns)
10-2
10-4
10-6
10-8
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
14
Incident Energy (MeV)
44-Ru-89