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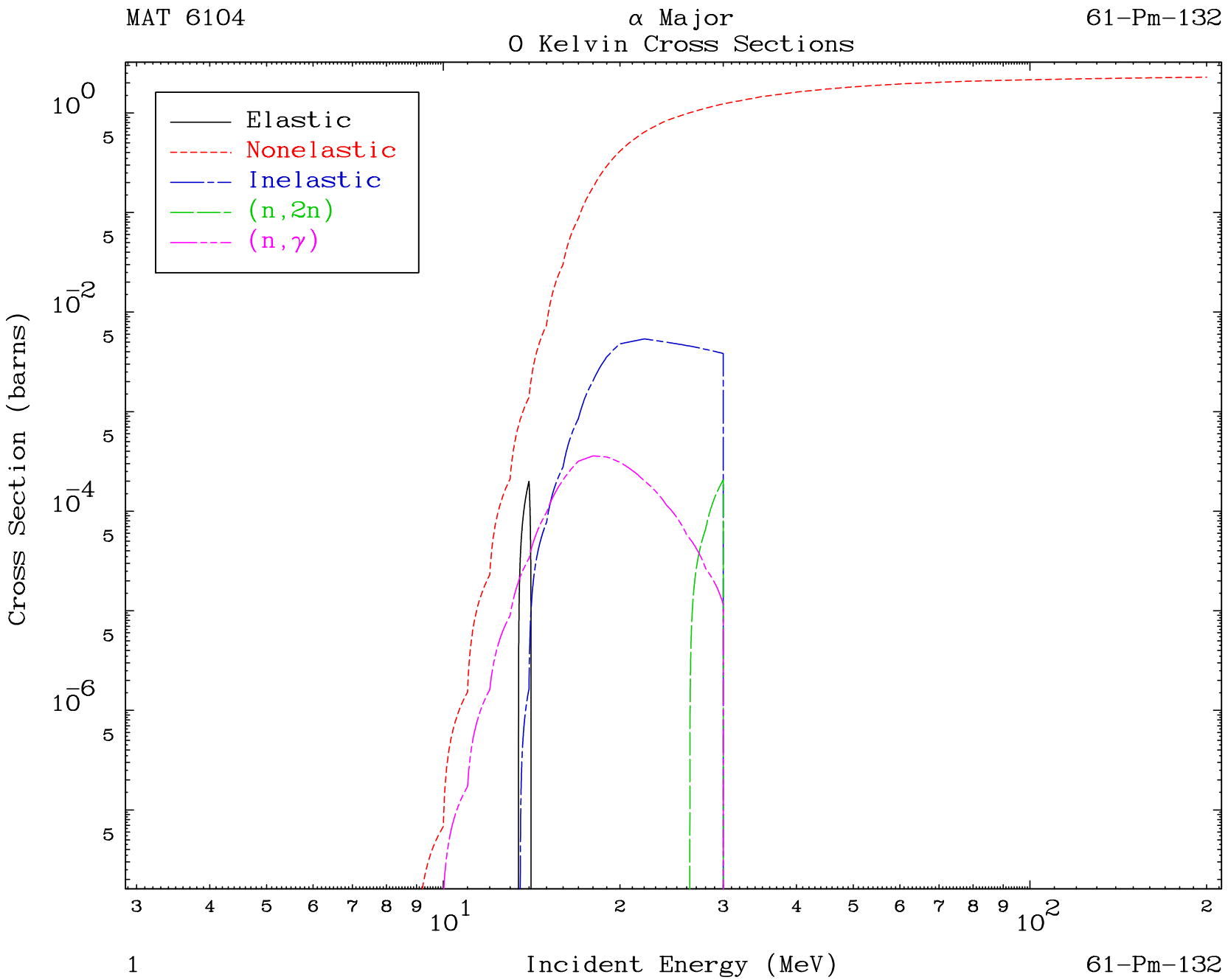
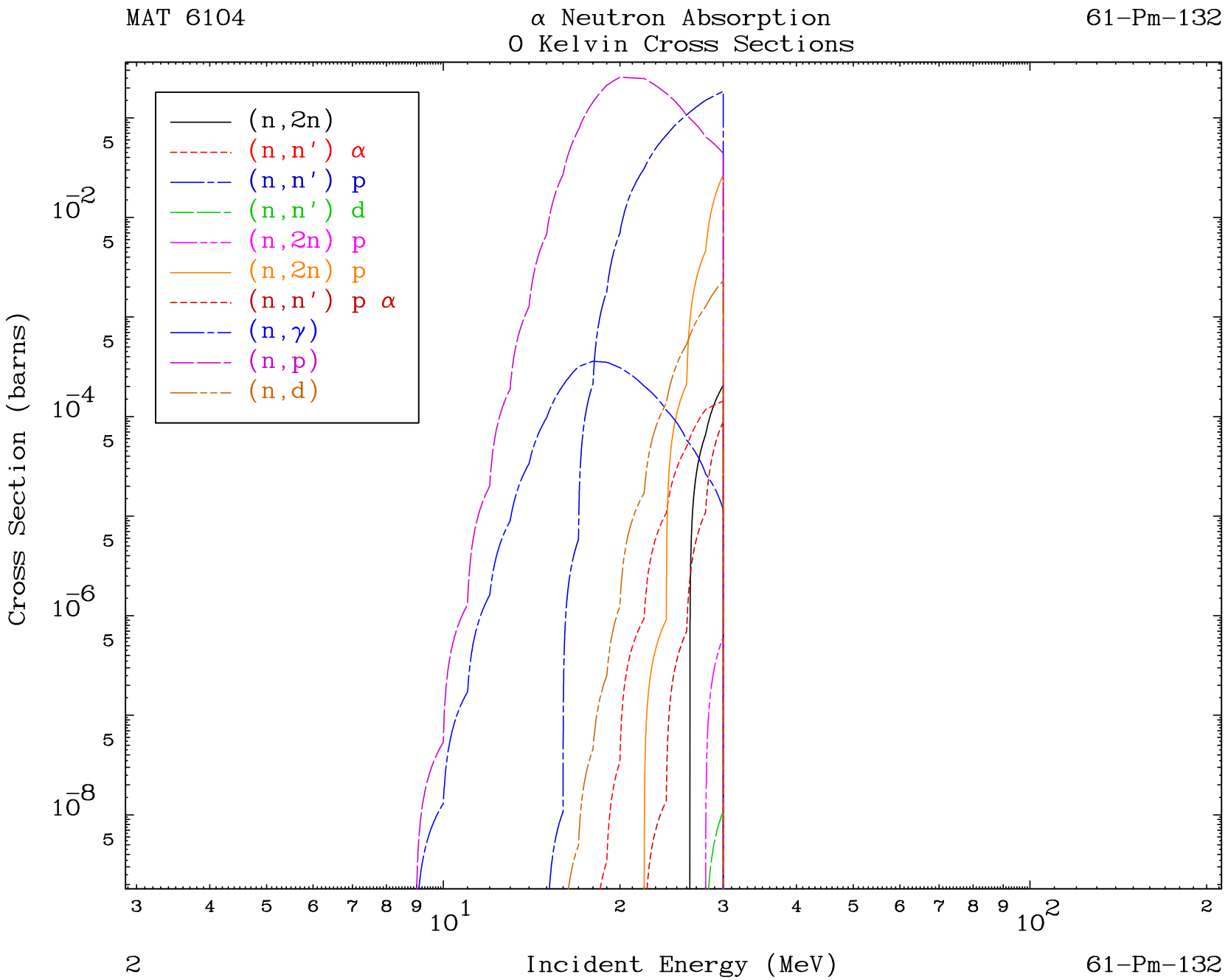
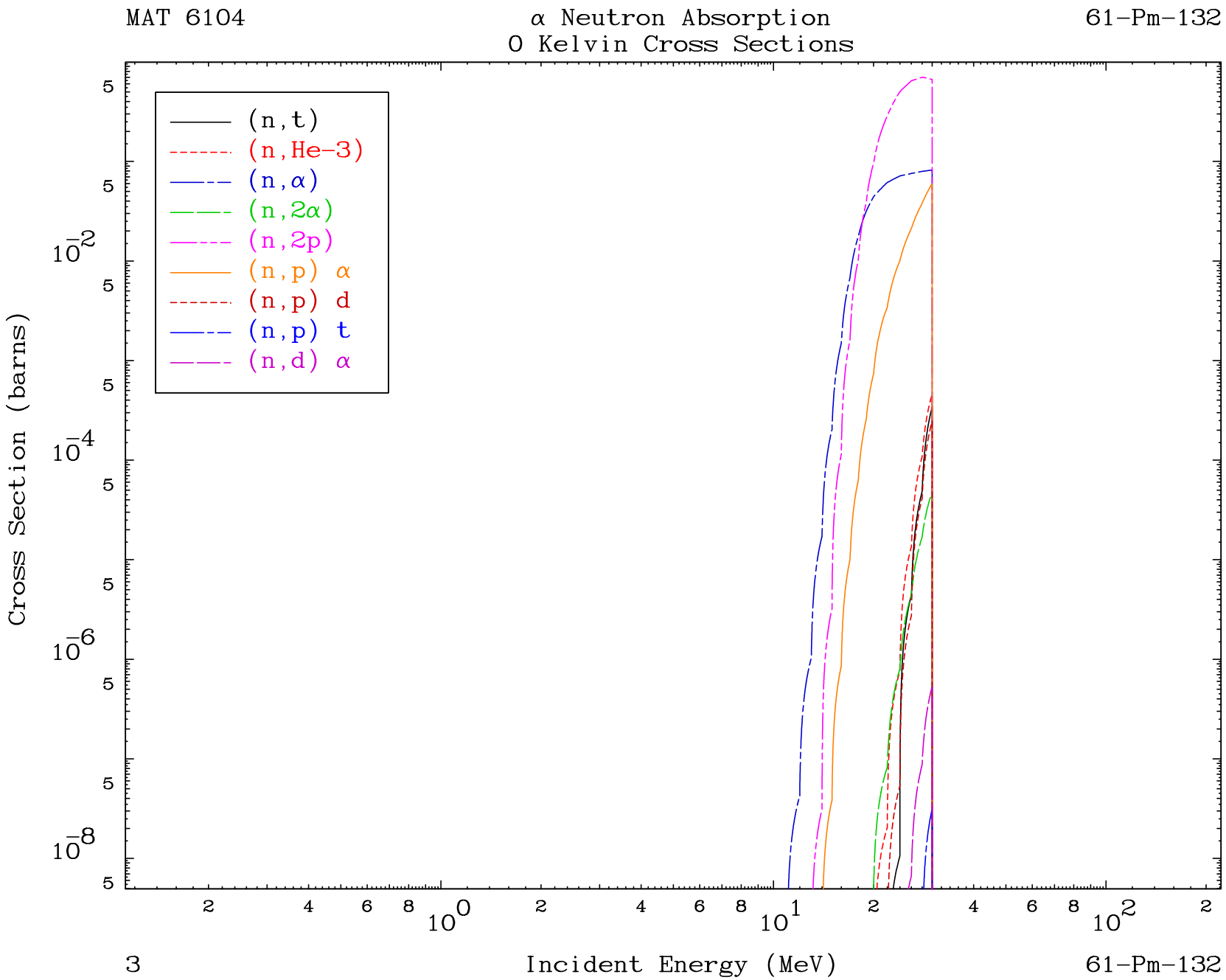
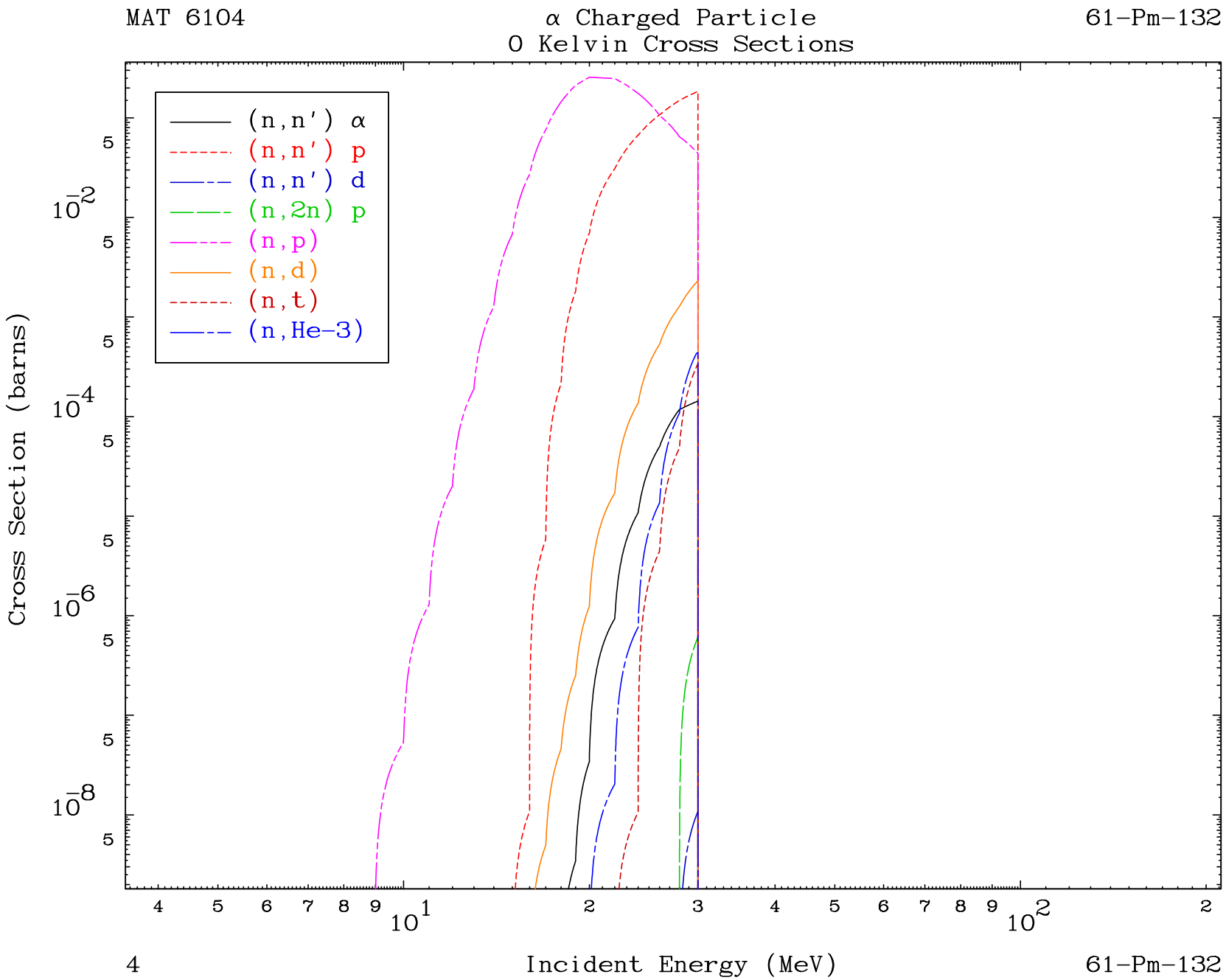
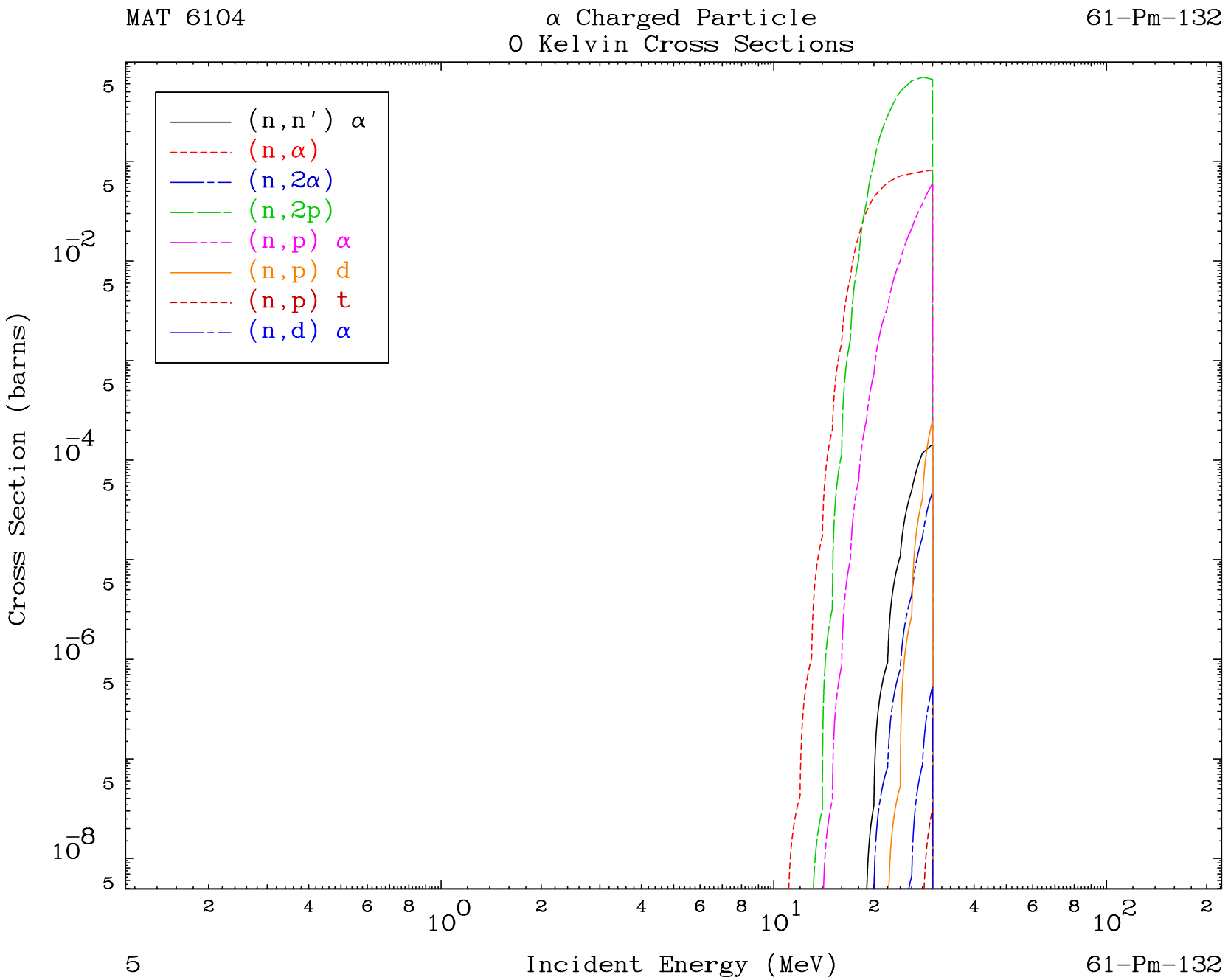
Press Mouse Button to Start

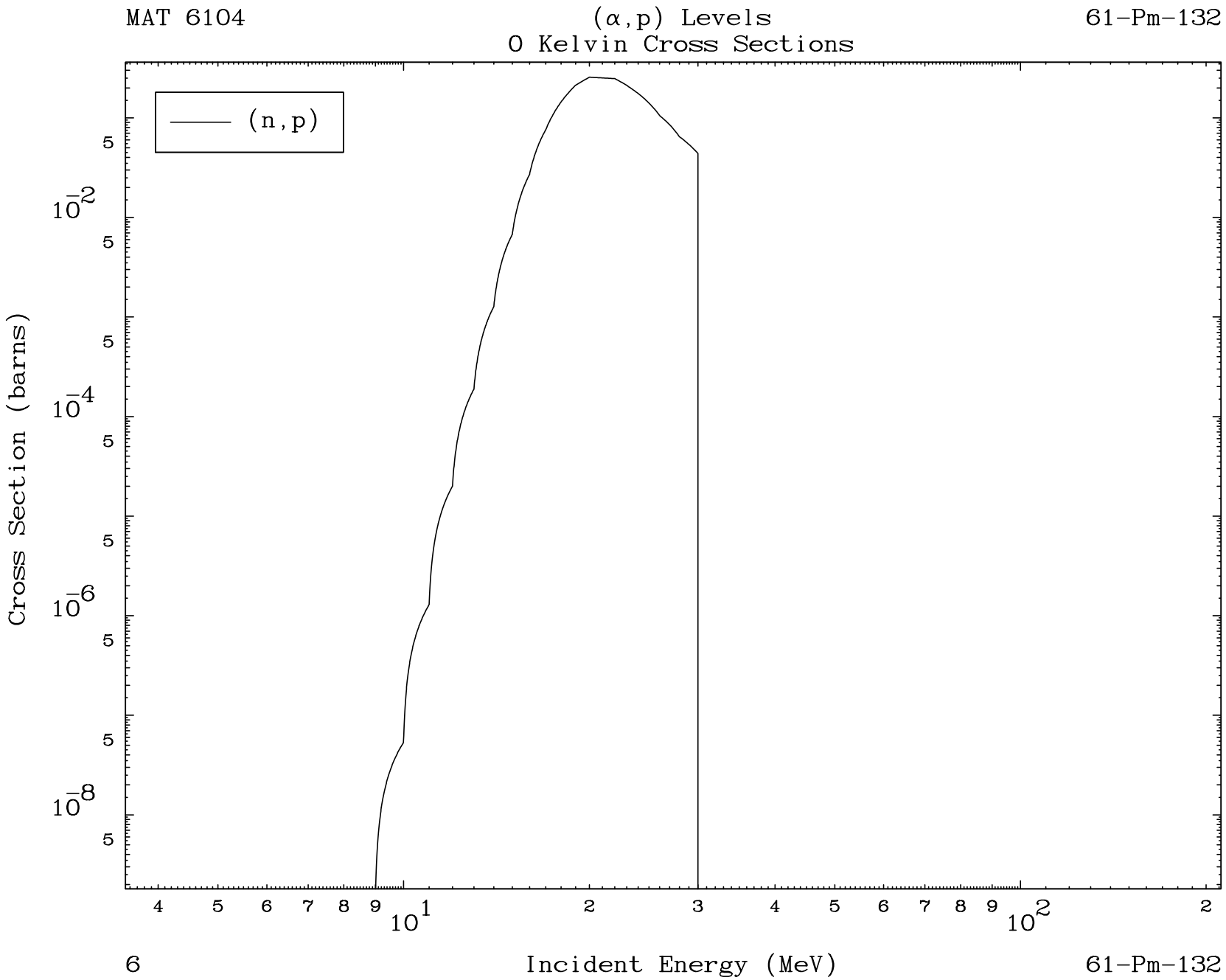

MAT 6104
α Major
61-Pm-132
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
61-Pm-132

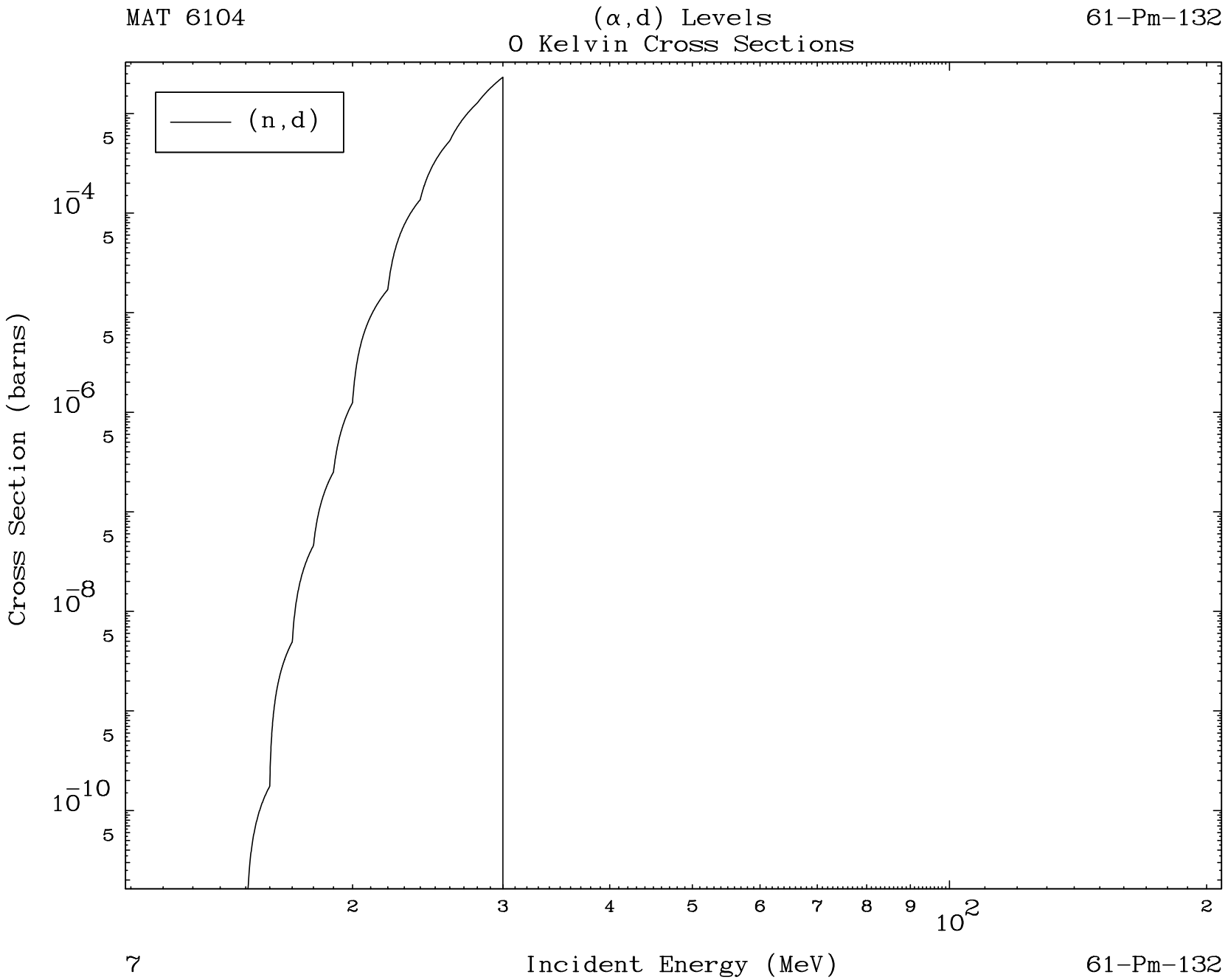

MAT 6104
α Neutron Absorption
0 Kelvin Cross Sections
61-Pm-132
(n,2n)
(n,n') α
(n,n') p
(n,n') d
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
61-Pm-132

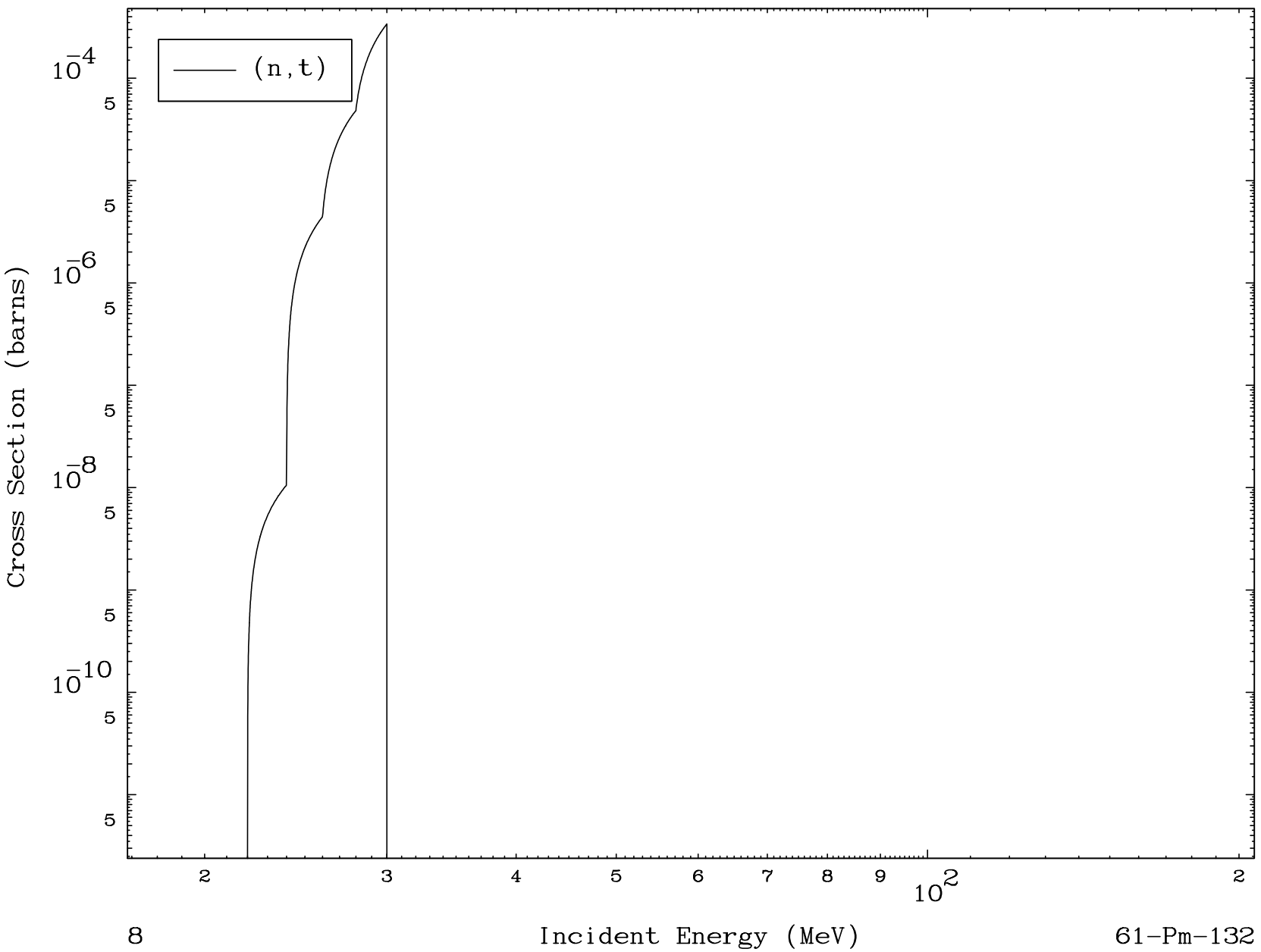

MAT 6104
α Neutron Absorption
0 Kelvin Cross Sections
61-Pm-132
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
61-Pm-132

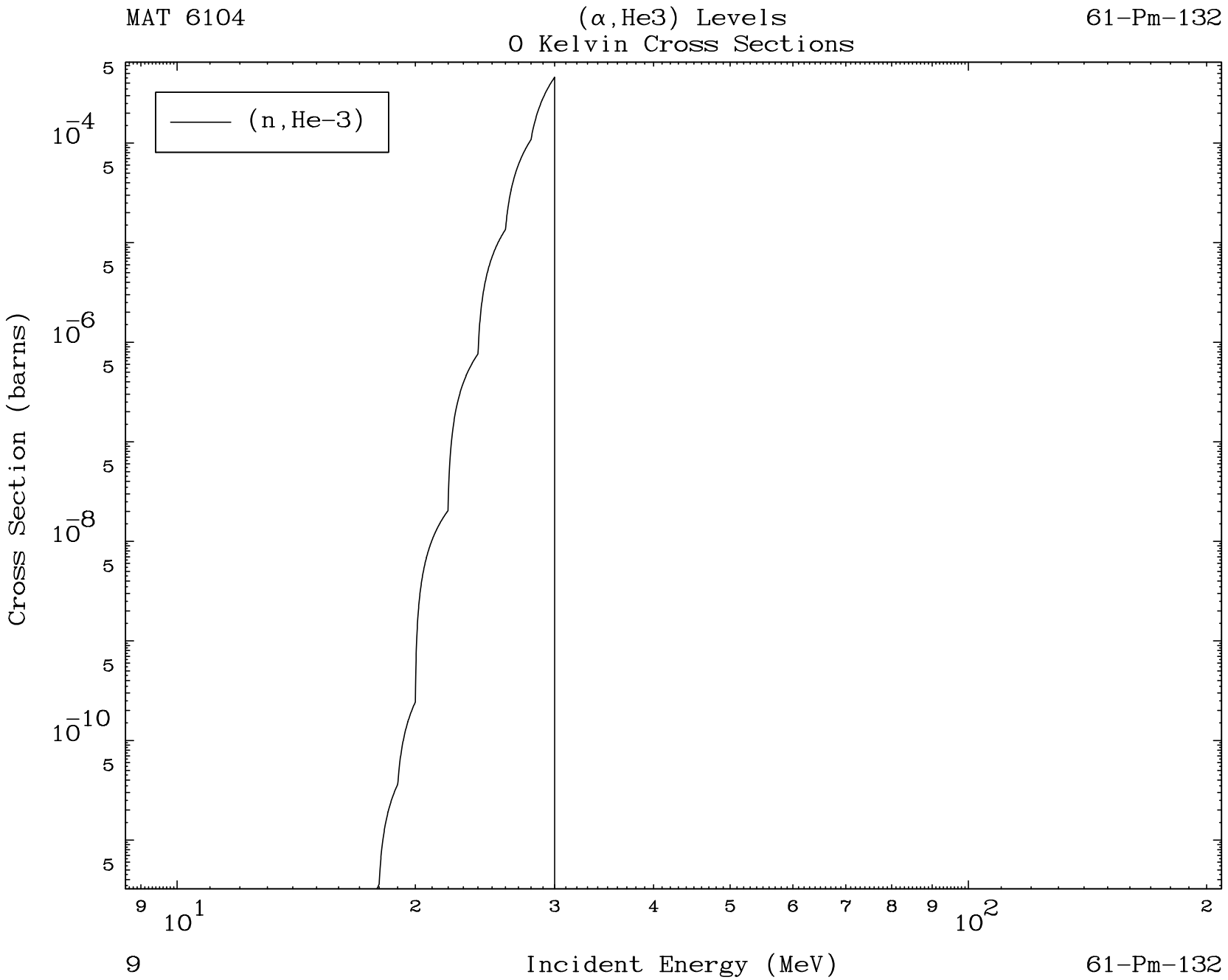

MAT 6104
α Charged Particle
0 Kelvin Cross Sections
61-Pm-132
(n,n') α
(n,n') p
(n,n') d
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
4
61-Pm-132

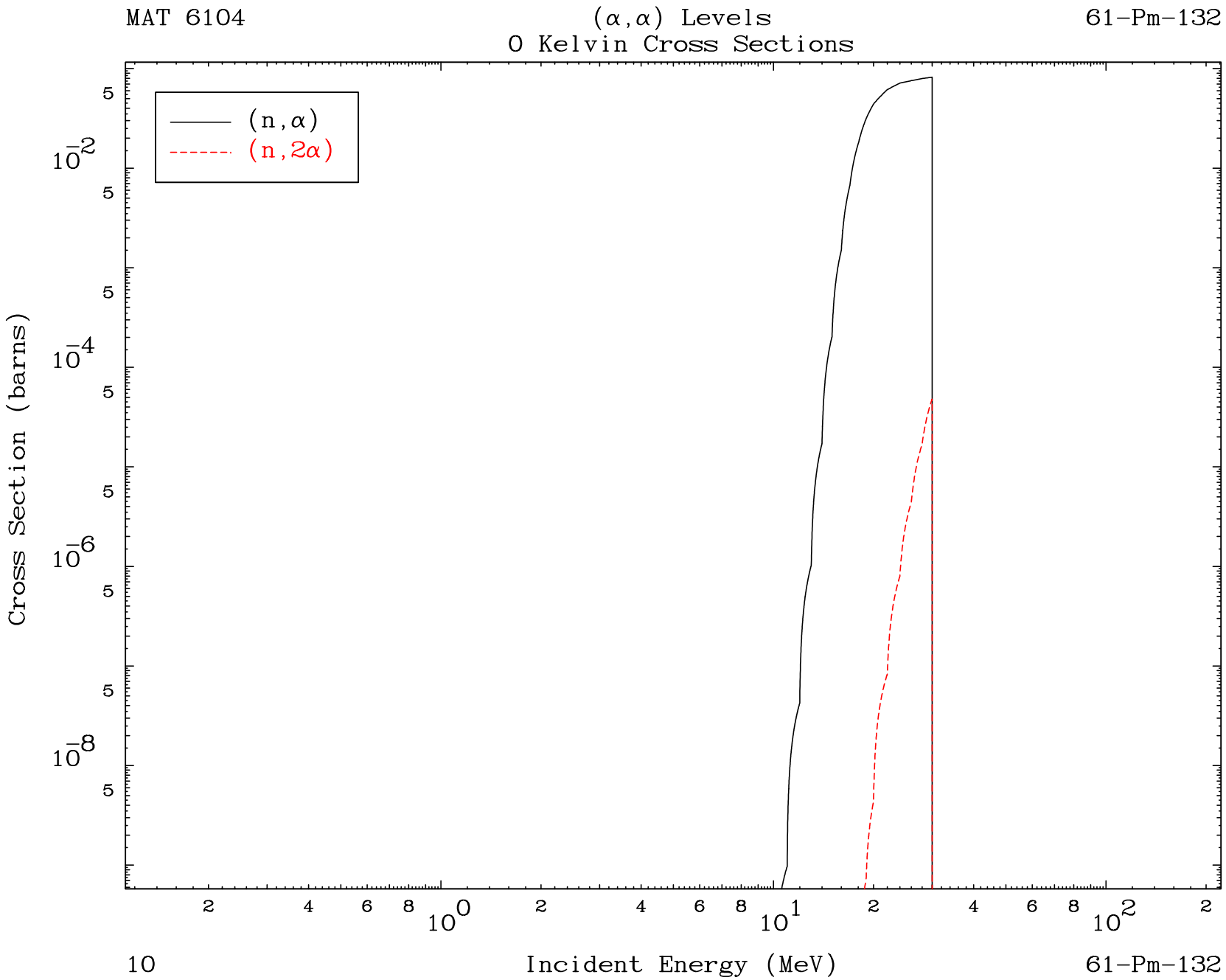

MAT 6104
α Charged Particle
0 Kelvin Cross Sections
61-Pm-132
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
61-Pm-132

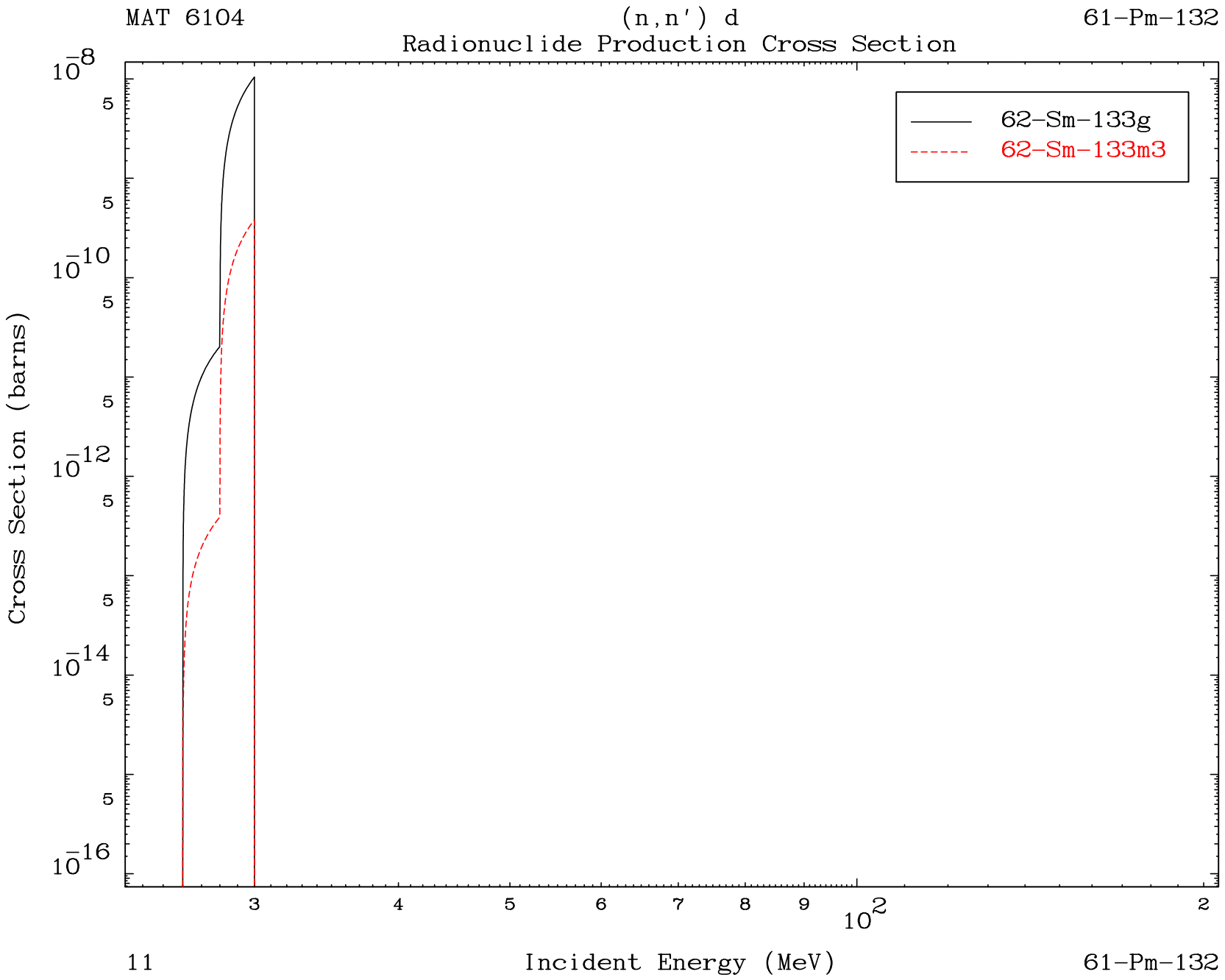

MAT 6104
(α,p) Levels
61-Pm-132
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
6
61-Pm-132

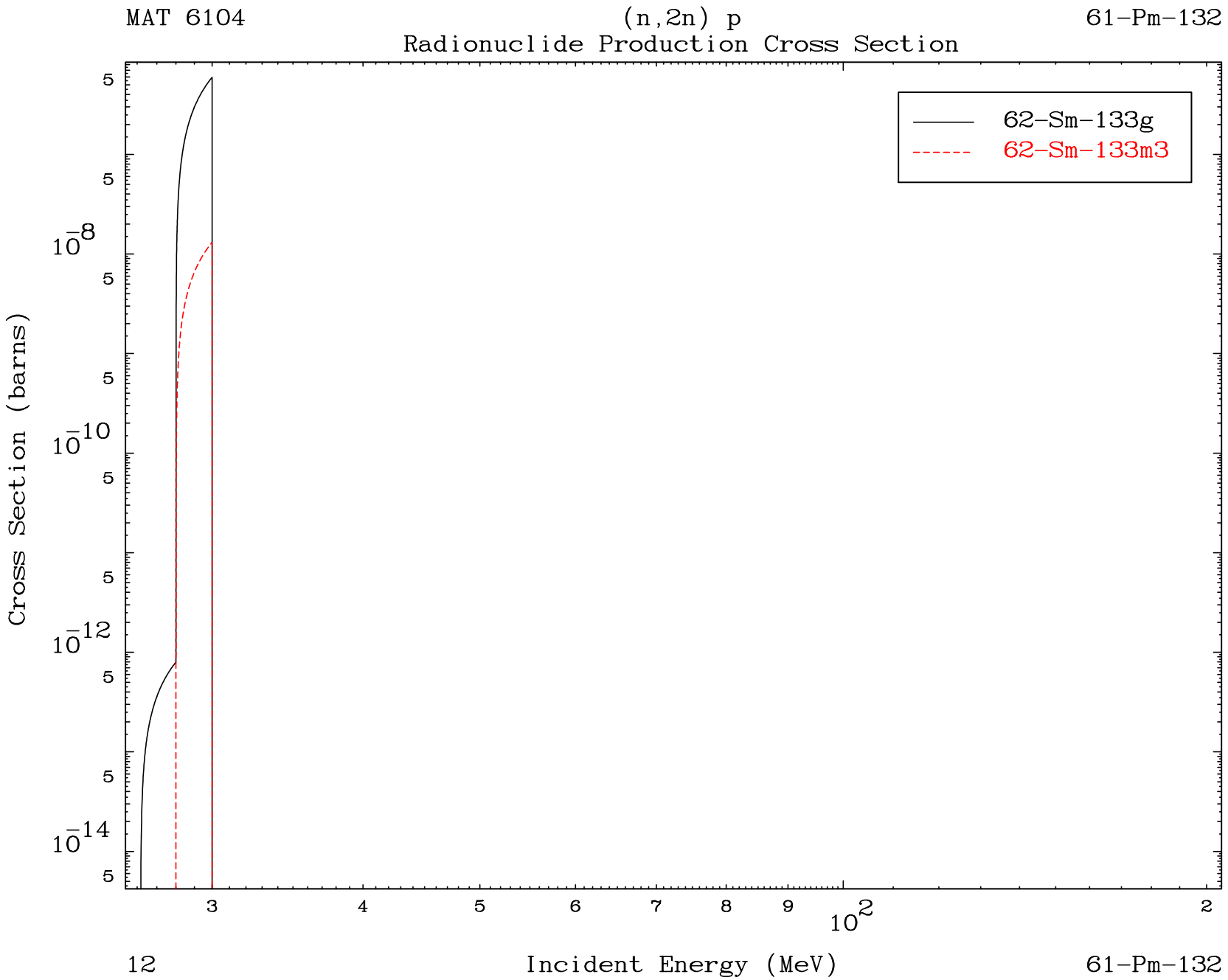

MAT 6104
(α,d) Levels
61-Pm-132
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10^2
2
7
Incident Energy (MeV)
61-Pm-132

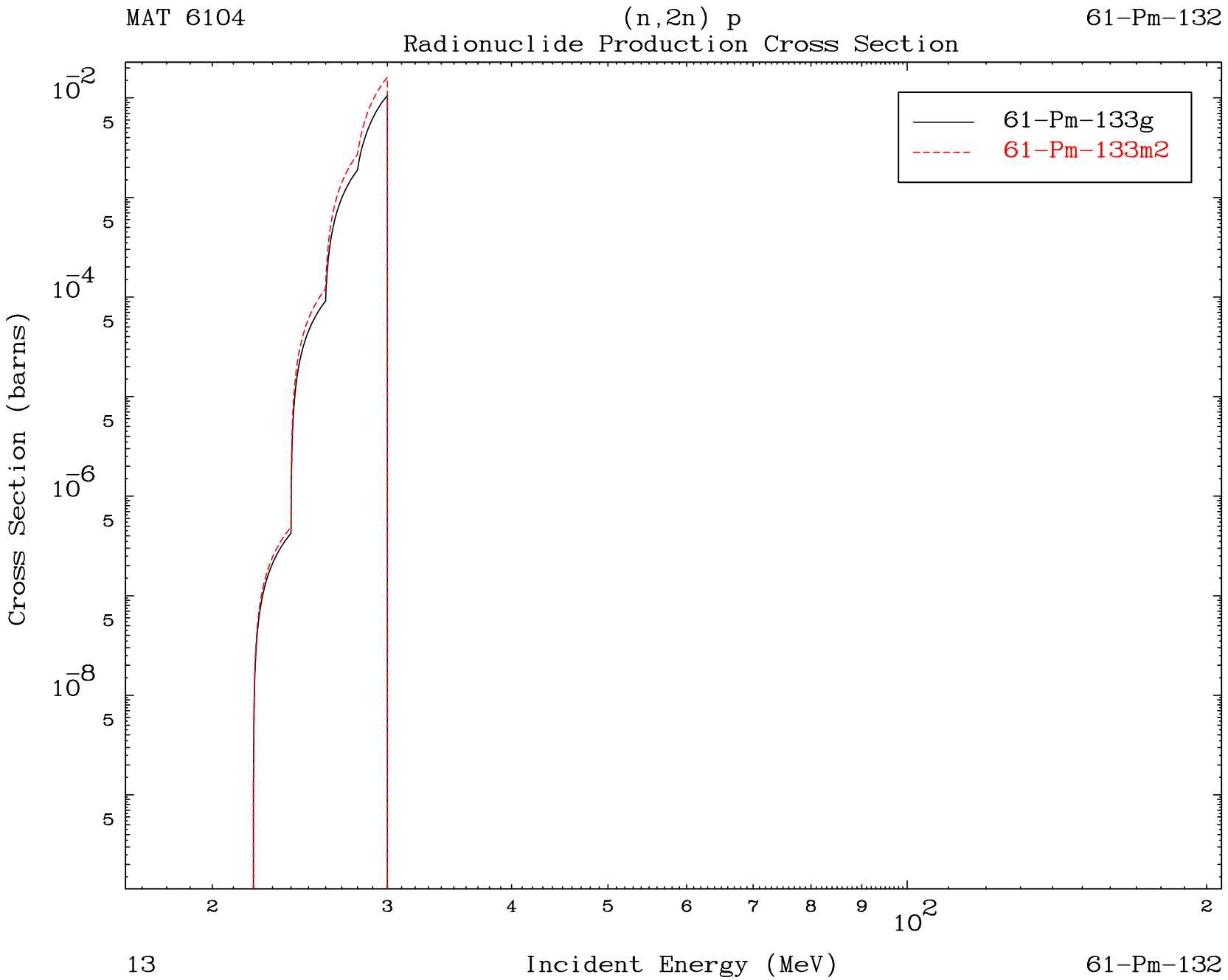

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

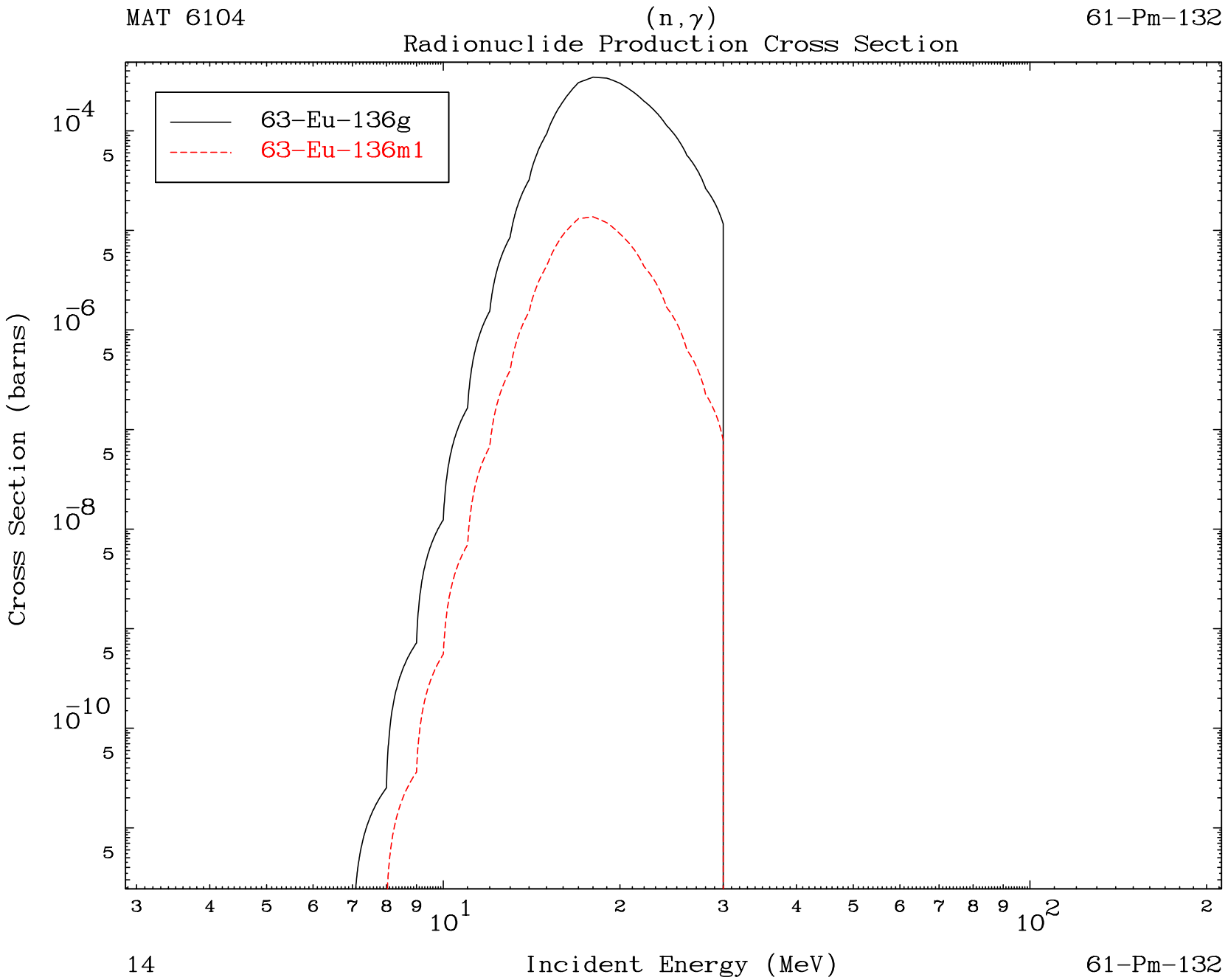

MAT 6104
(α,He3) Levels
61-Pm-132
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10 1
10 2
61-Pm-132

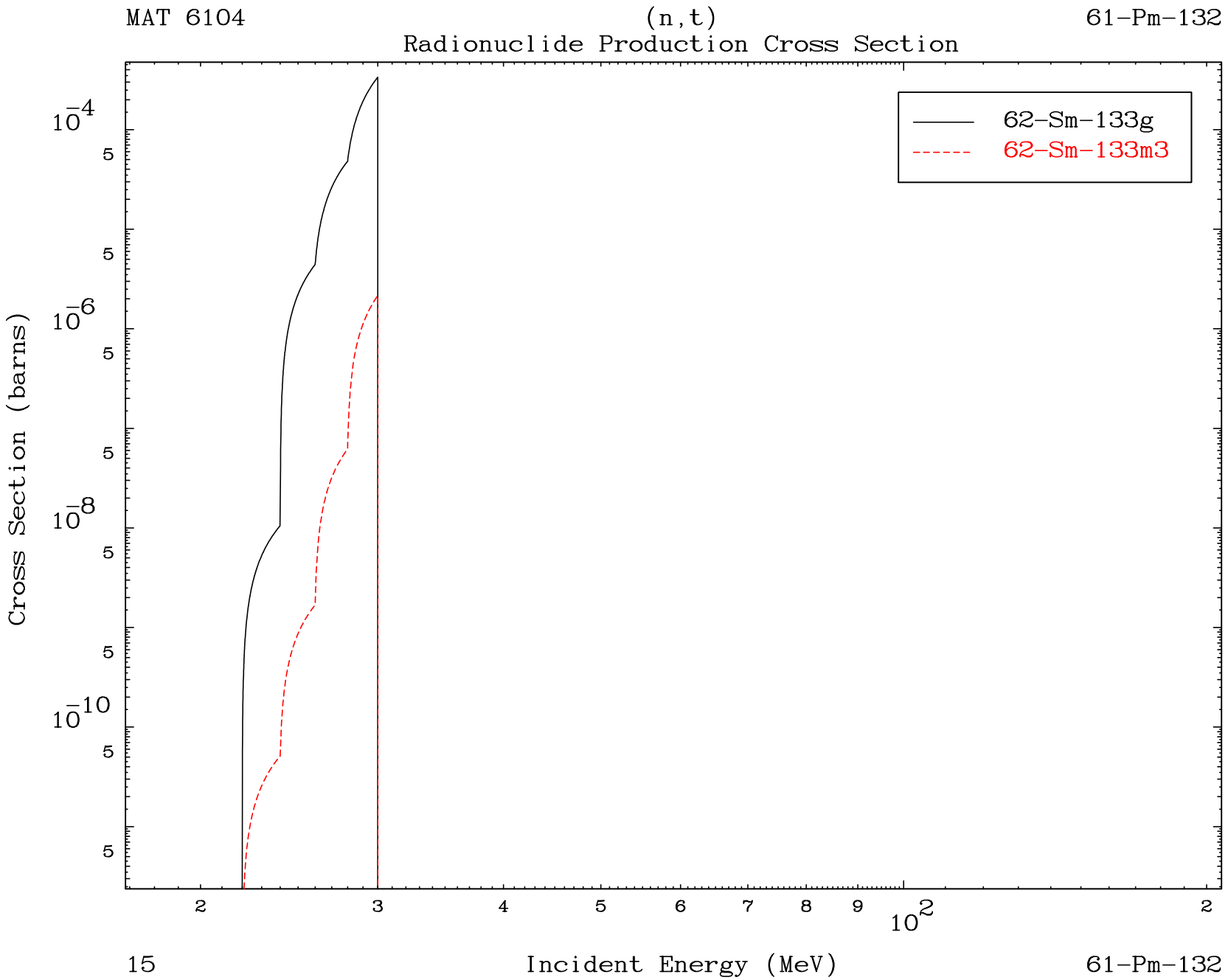

MAT 6104
(α,α) Levels
61-Pm-132
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
61-Pm-132

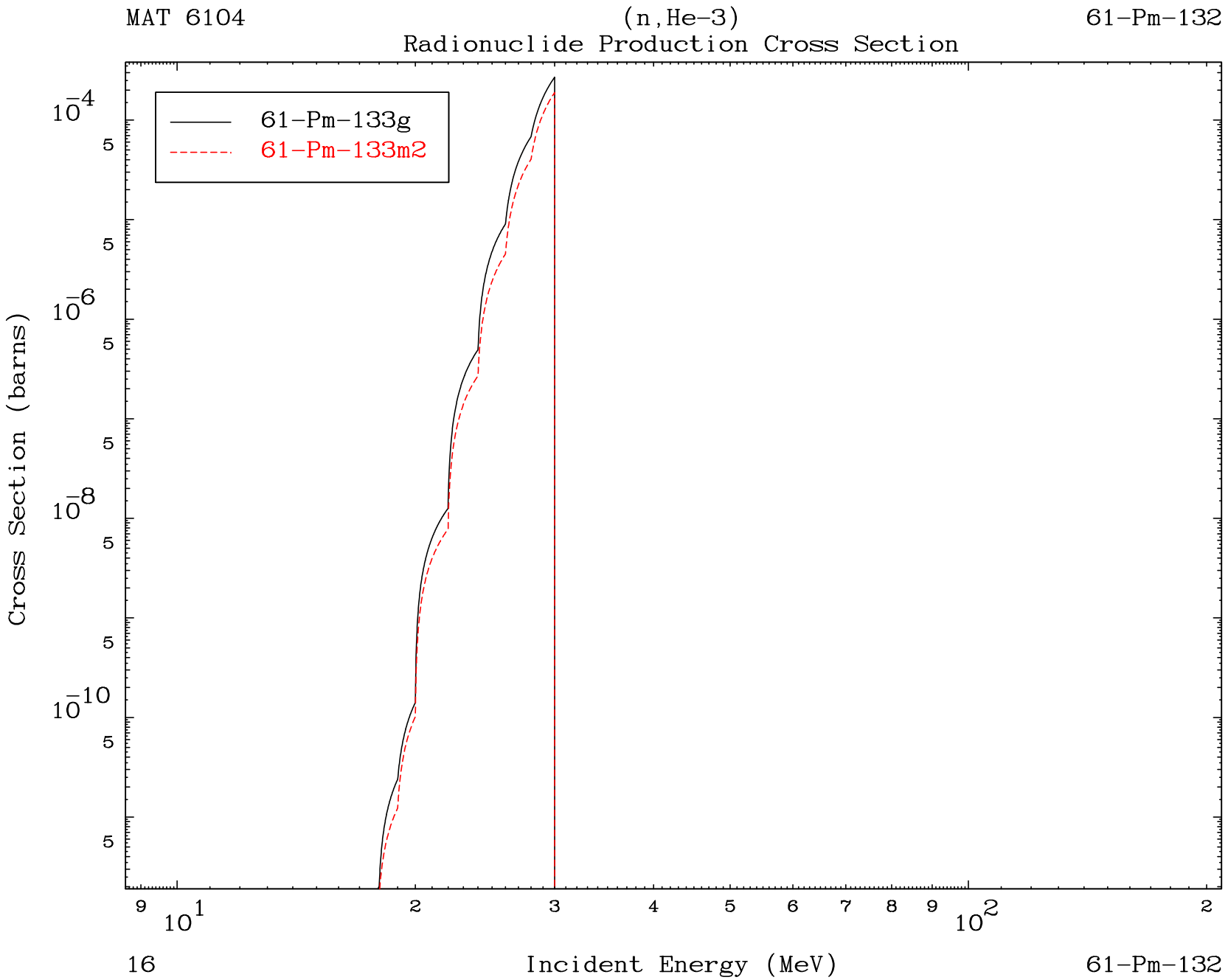

MAT 6104
(n,n') d
61-Pm-132
Radionuclide Production Cross Section
62-Sm-133g
62-Sm-133m3
Cross Section (barns)
Incident Energy (MeV)
11
61-Pm-132

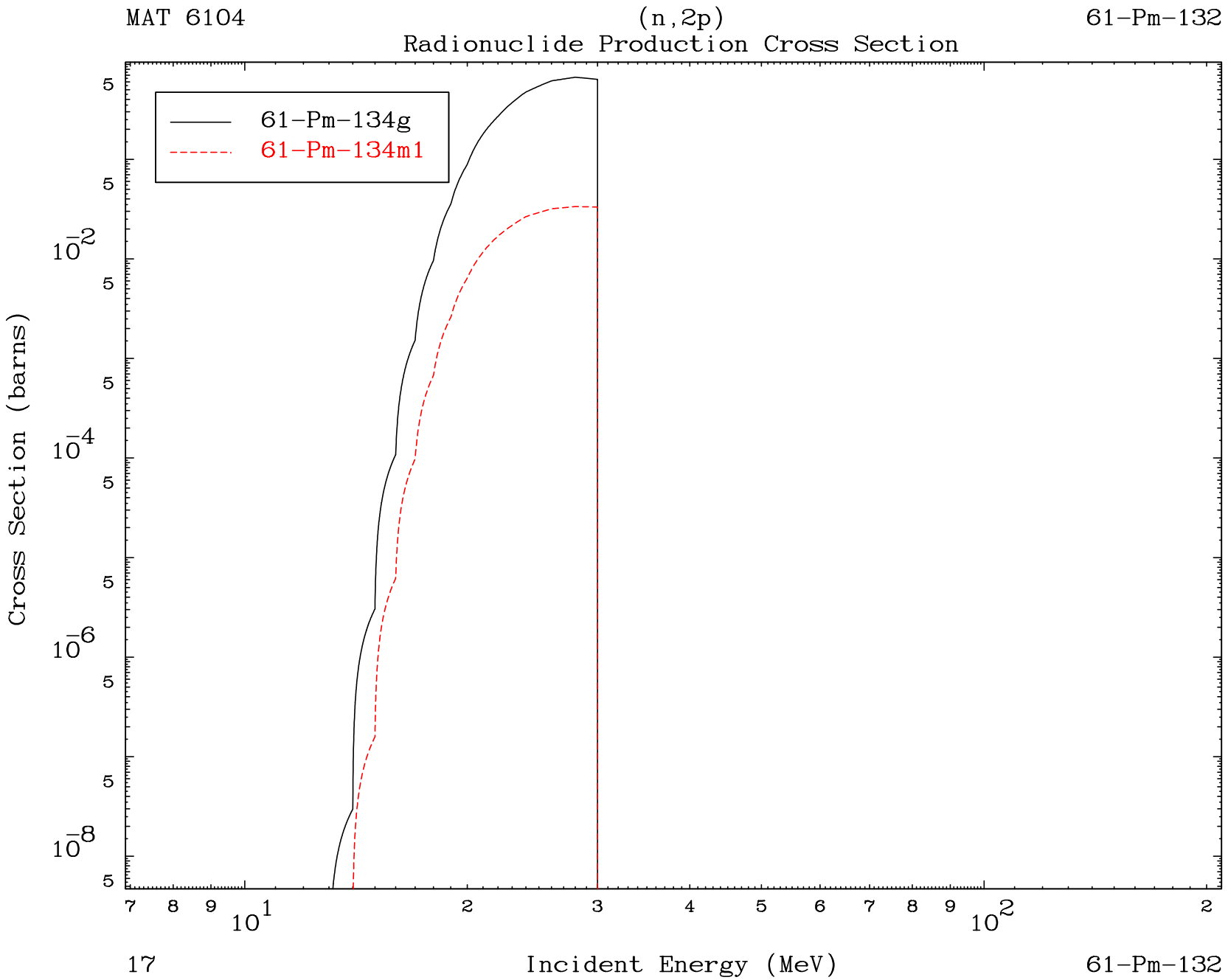

MAT 6104
(n,2n) p
61-Pm-132
Radionuclide Production Cross Section
62-Sm-133g
62-Sm-133m3
Cross Section (barns)
Incident Energy (MeV)
12
61-Pm-132

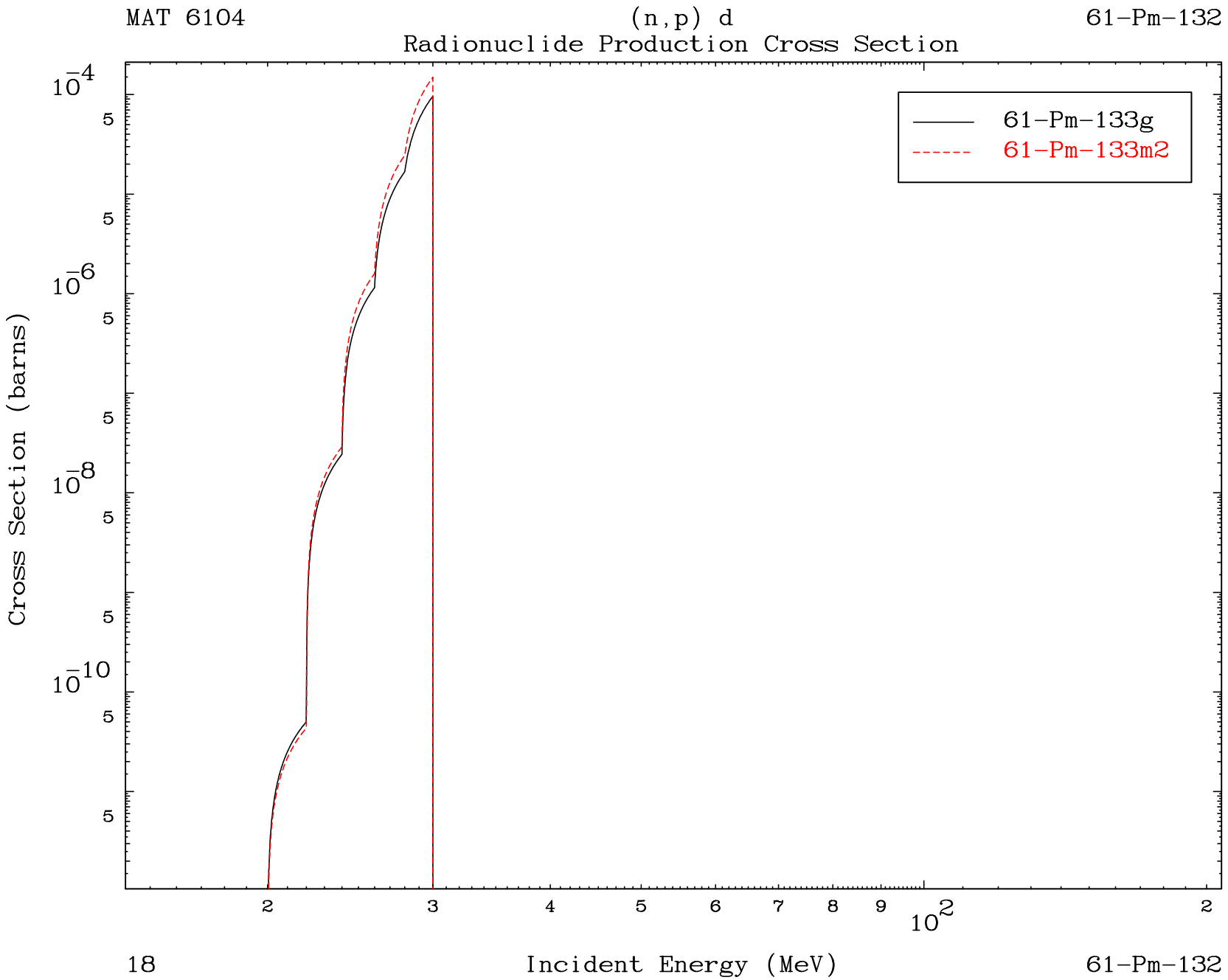

MAT 6104
(n,2n) p
61-Pm-132
Radionuclide Production Cross Section
61-Pm-133g
61-Pm-133m2
Cross Section (barns)
Incident Energy (MeV)
13
61-Pm-132


MAT 6104
(n,γ)
61-Pm-132
Radionuclide Production Cross Section
63-Eu-136g
63-Eu-136m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
14
61-Pm-132


MAT 6104
(n,t)
61-Pm-132
Radionuclide Production Cross Section
62-Sm-133g
62-Sm-133m3
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
61-Pm-132


MAT 6104
(n,He-3)
61-Pm-132
Radionuclide Production Cross Section
61-Pm-133g
61-Pm-133m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
61-Pm-132


MAT 6104
(n,2p)
61-Pm-132
Radionuclide Production Cross Section
61-Pm-134g
61-Pm-134m1
Cross Section (barns)
Incident Energy (MeV)
17
61-Pm-132


MAT 6104
(n,p) d
61-Pm-132
Radionuclide Production Cross Section
61-Pm-133g
61-Pm-133m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10^2
18
61-Pm-132