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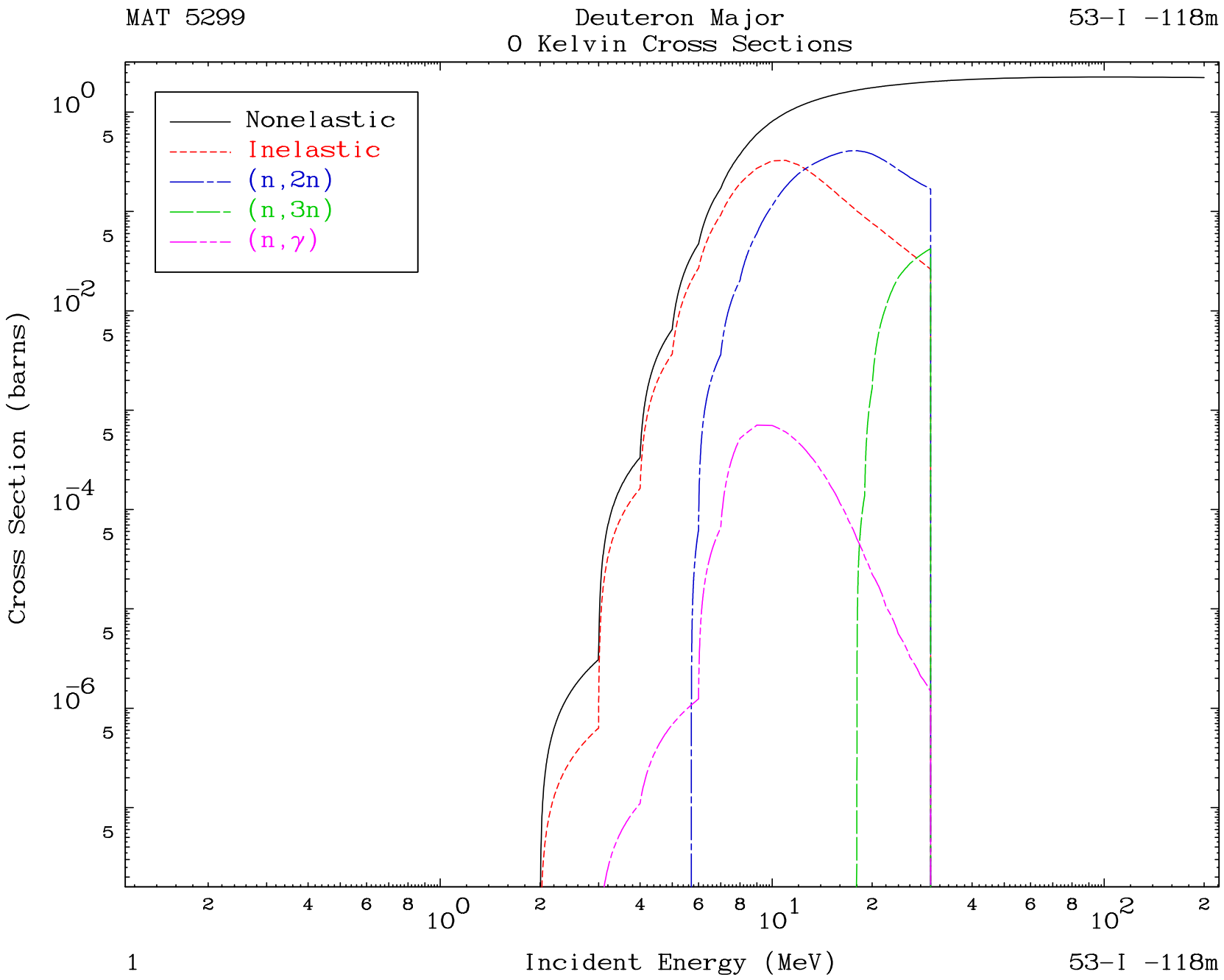
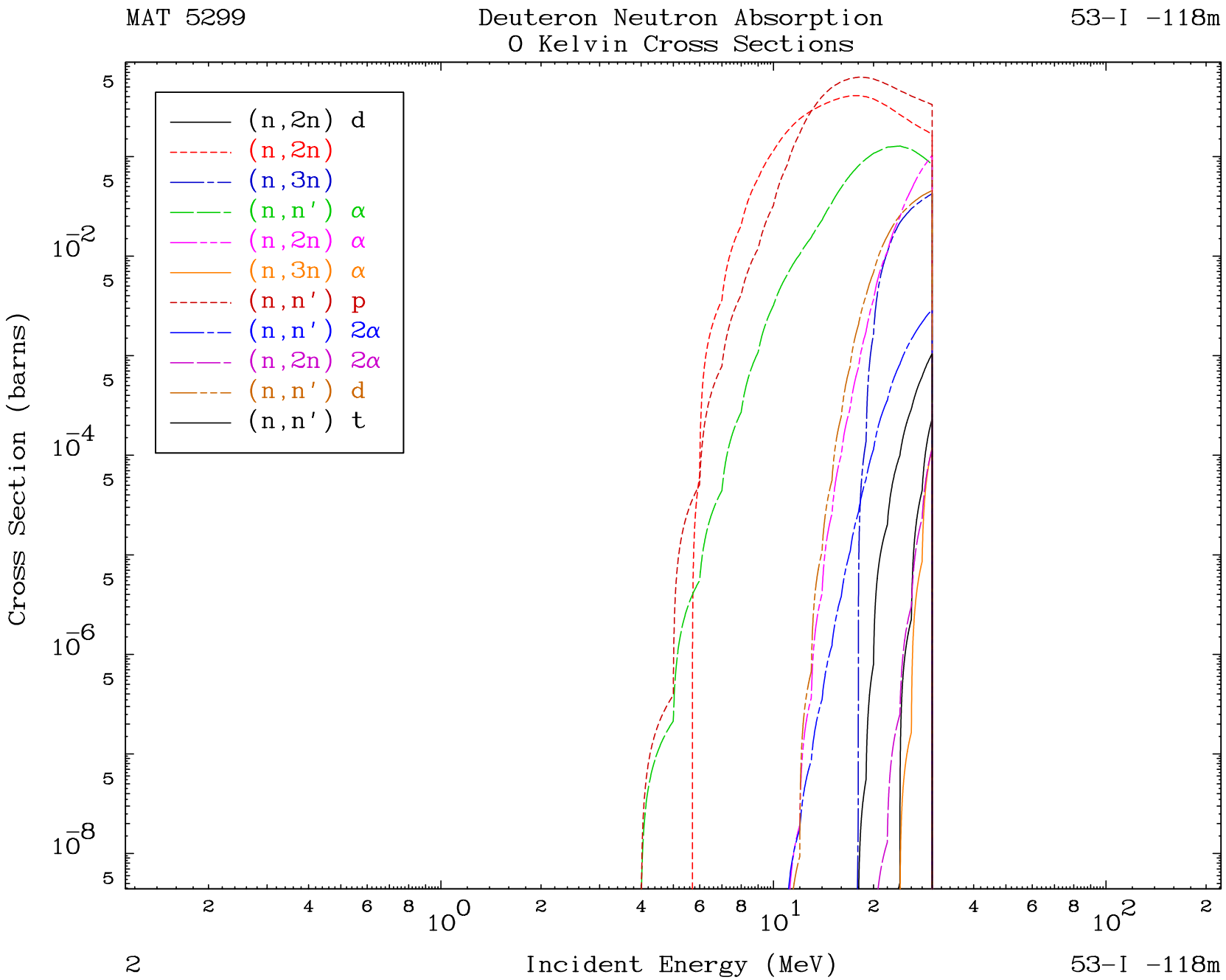
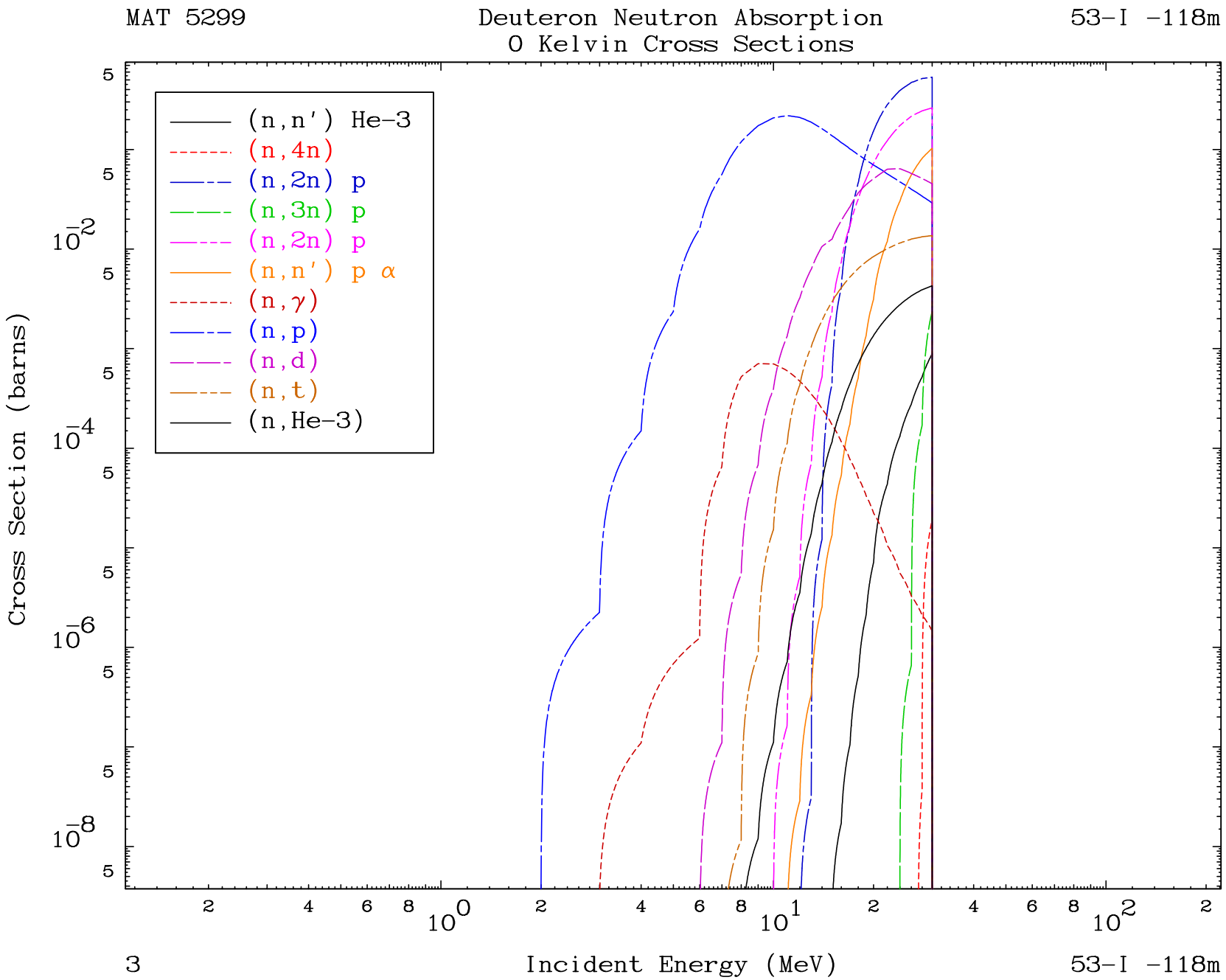
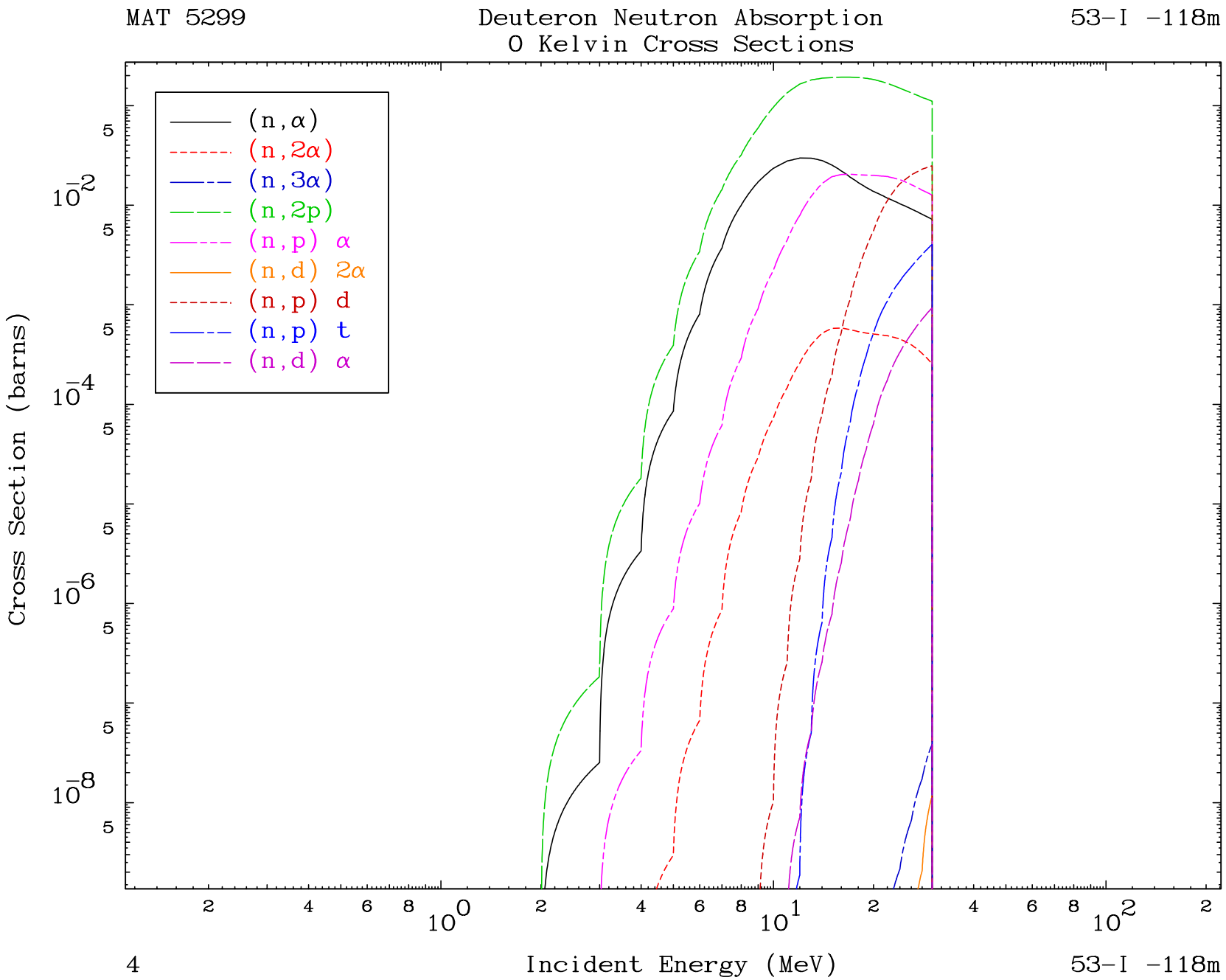
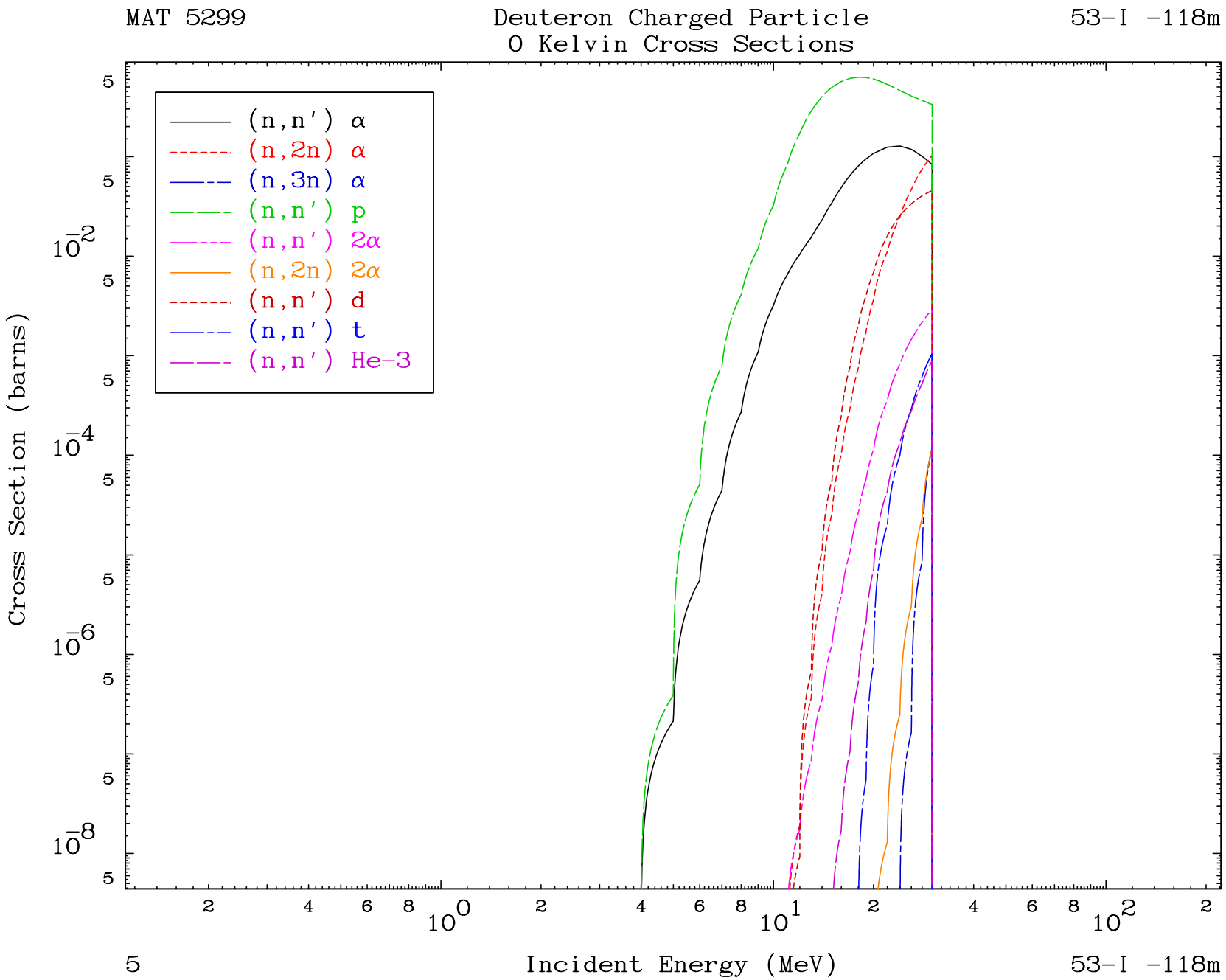
Press Mouse Button to Start

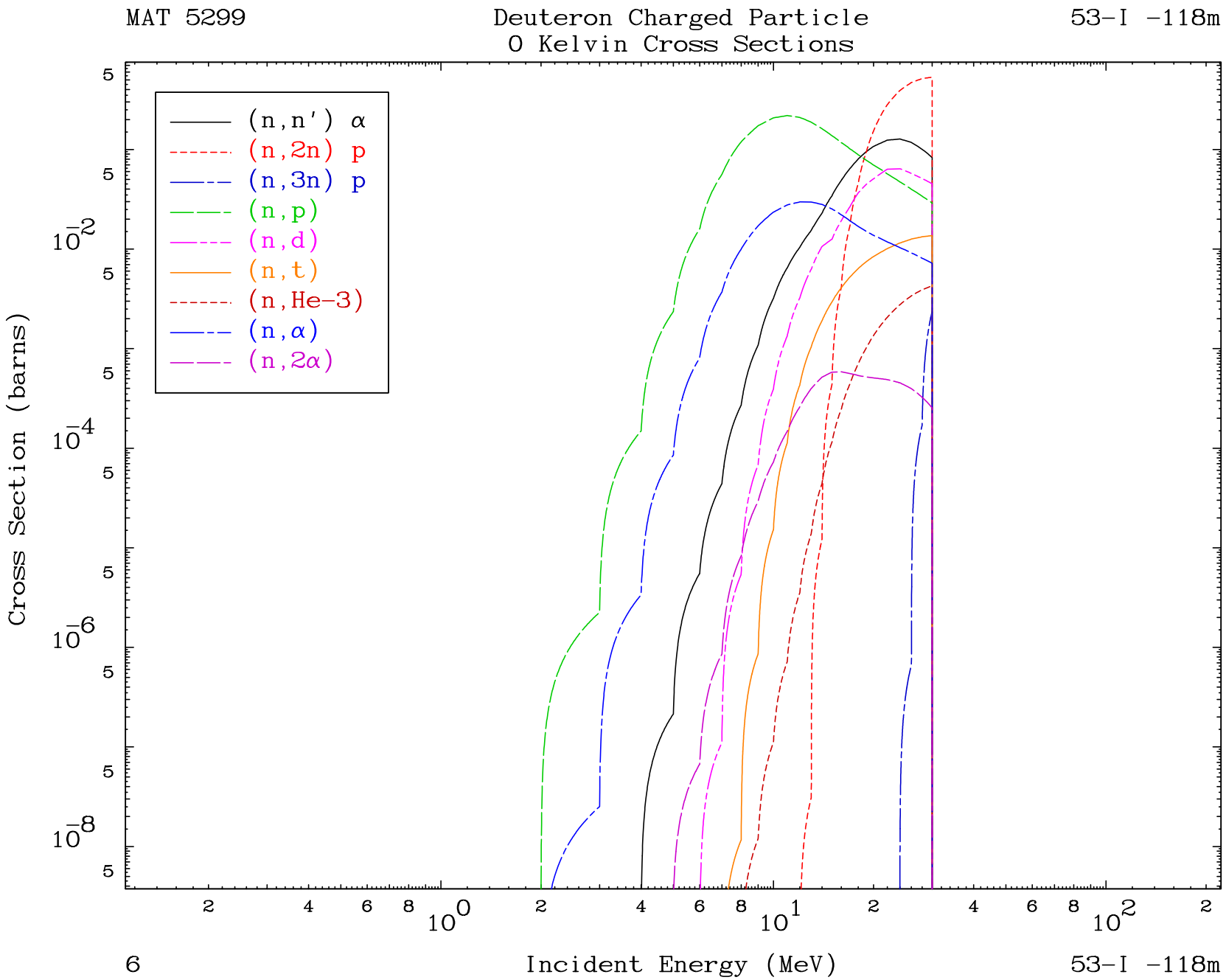

MAT 5299
Deuteron Major
53-I -118m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
53-I -118m

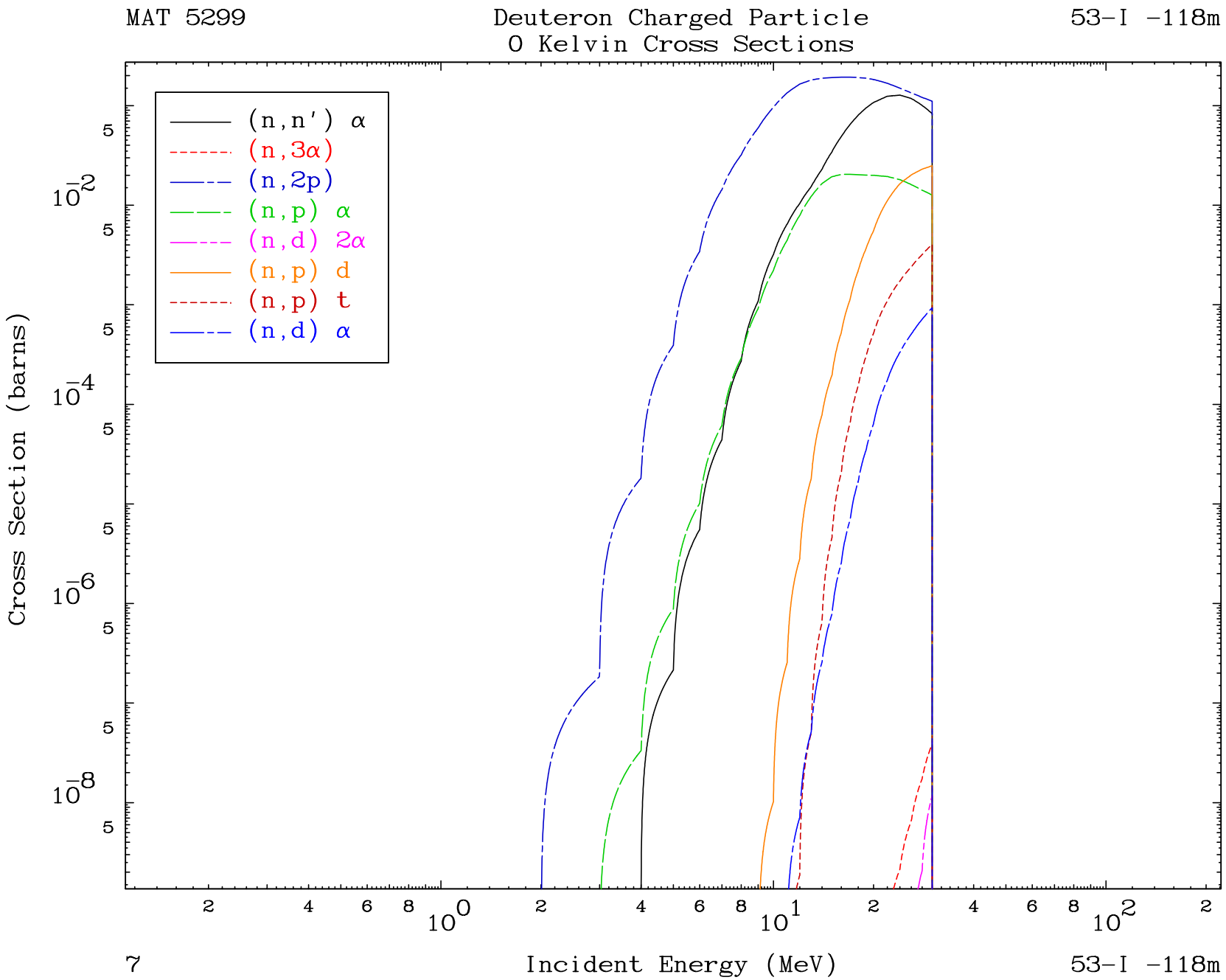

MAT 5299
Deuteron Neutron Absorption
0 Kelvin Cross Sections
53-I -118m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
2
53-I -118m

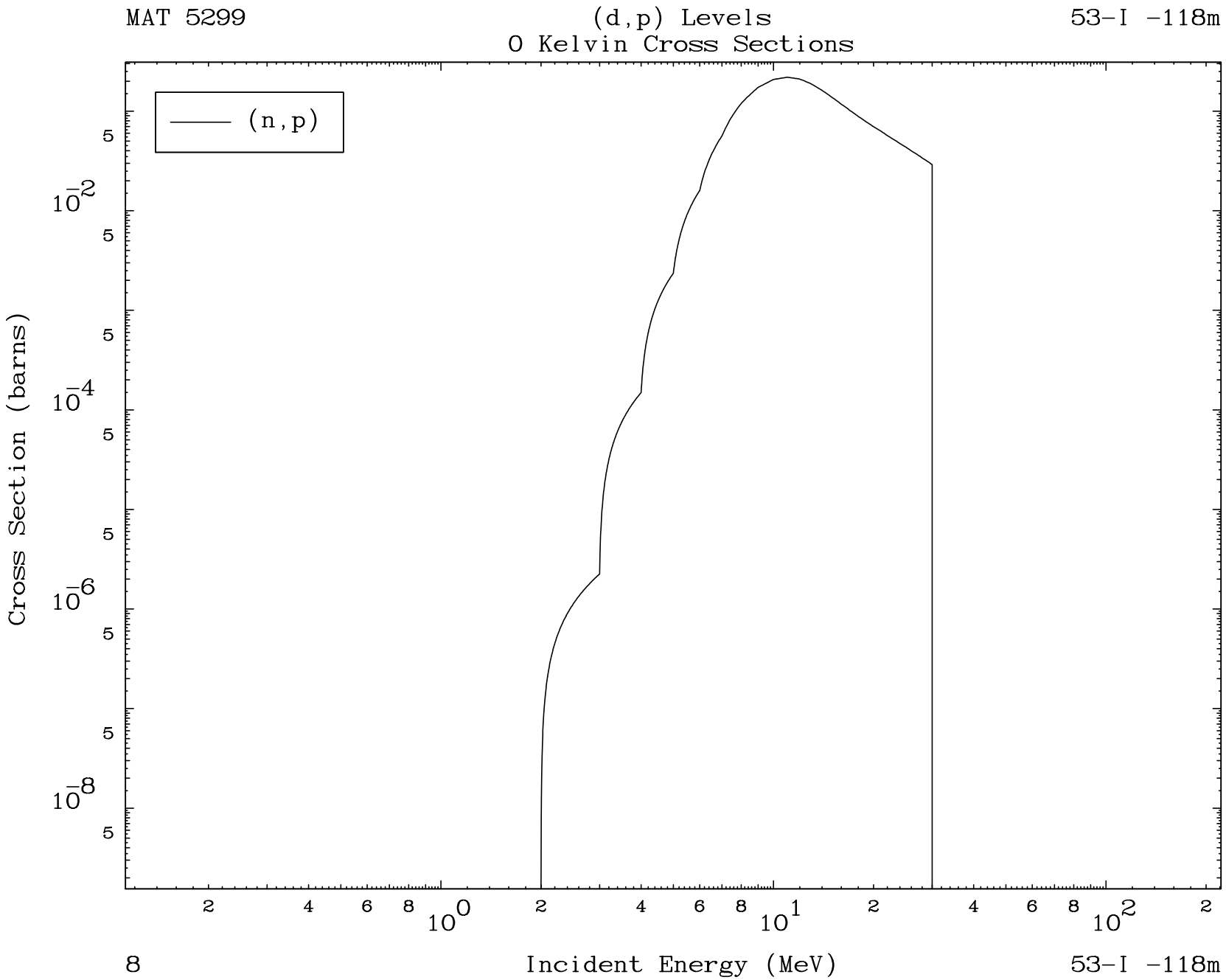

MAT 5299
Deuteron Neutron Absorption
0 Kelvin Cross Sections
53-I -118m
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
3
53-I -118m

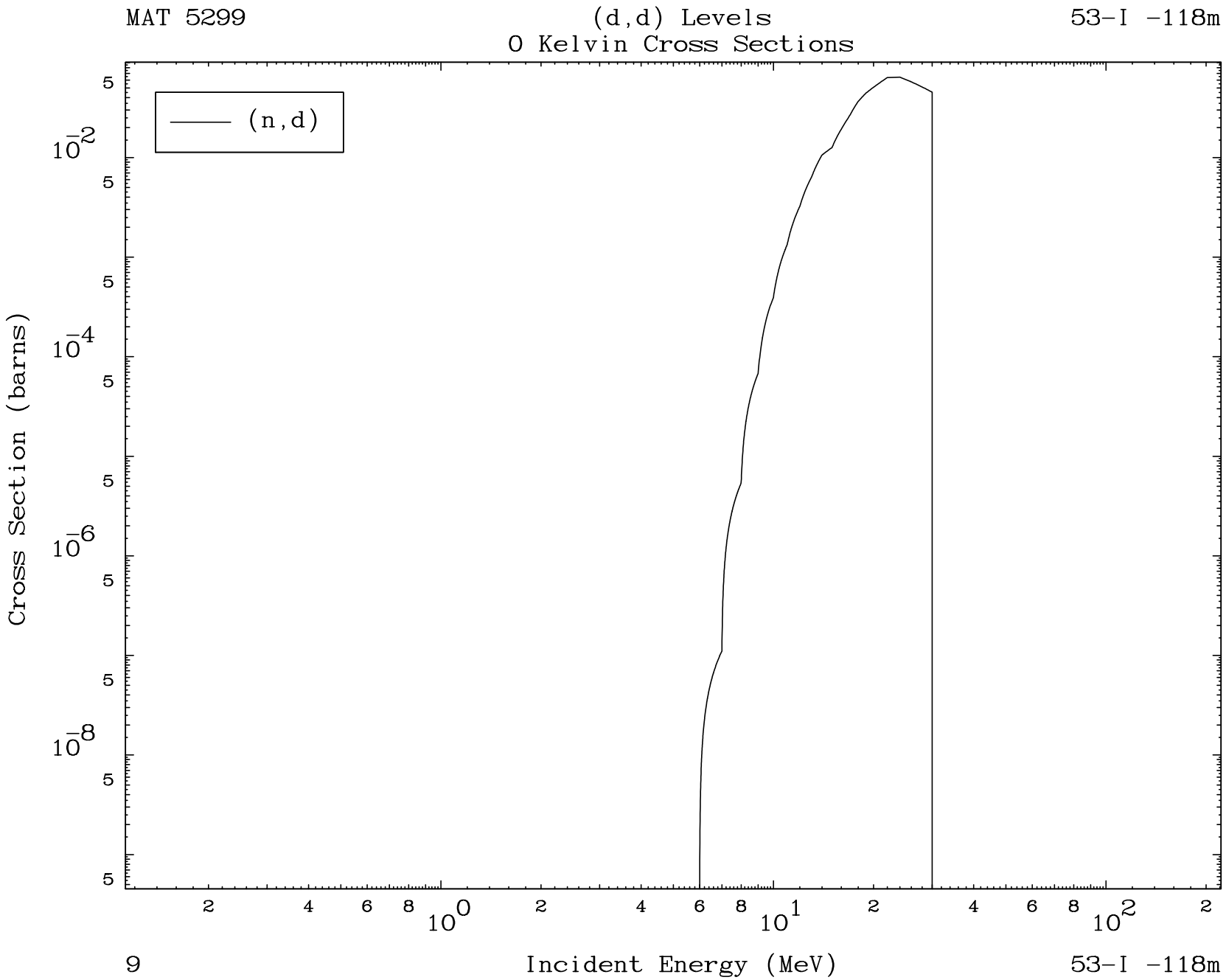

MAT 5299
Deuteron Neutron Absorption
0 Kelvin Cross Sections
53-I -118m
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
10-2
10-4
10-6
10-8
10 0
10 1
10 2
Incident Energy (MeV)
4
53-I -118m

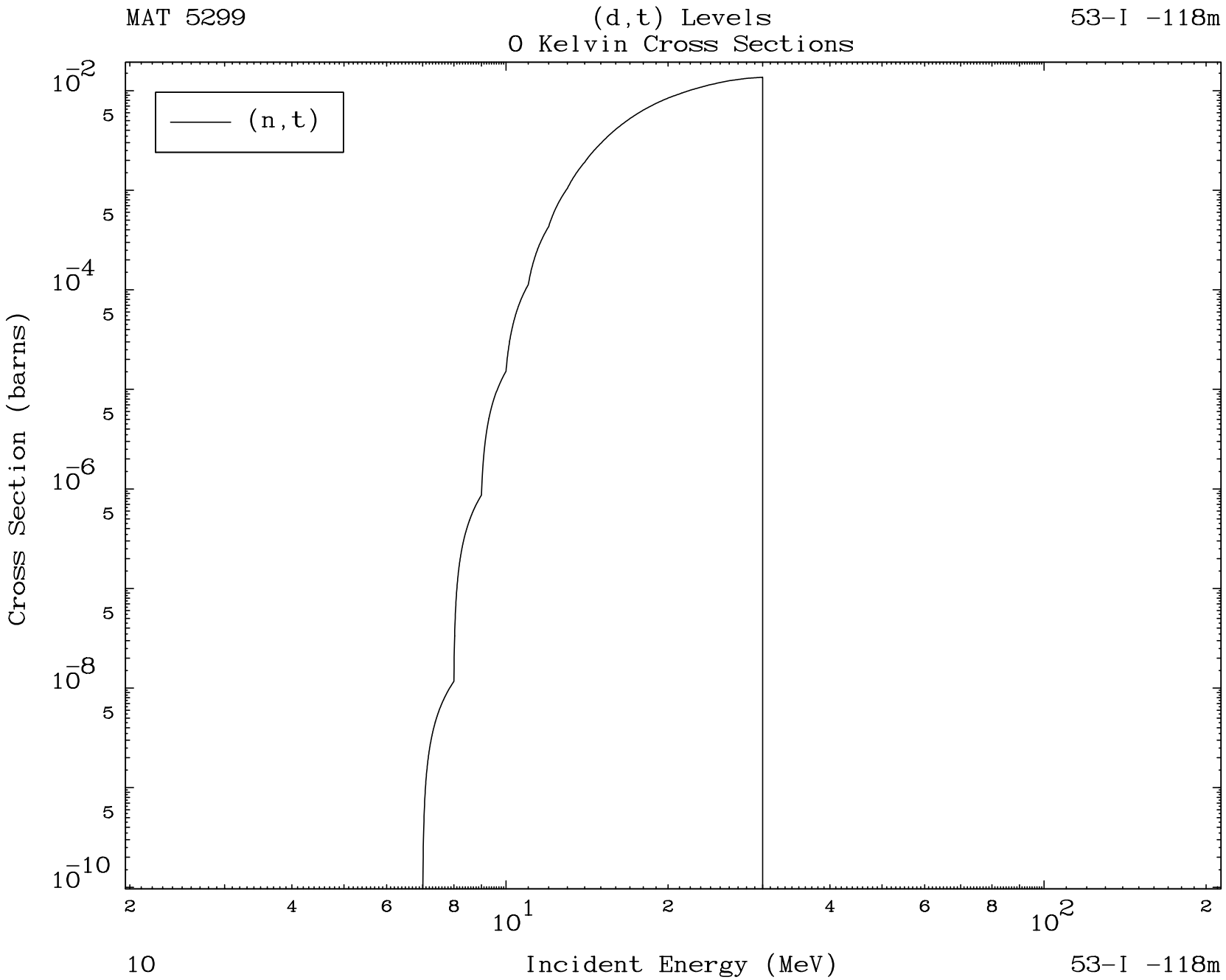

MAT 5299
Deuteron Charged Particle
0 Kelvin Cross Sections
53-I -118m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
53-I -118m

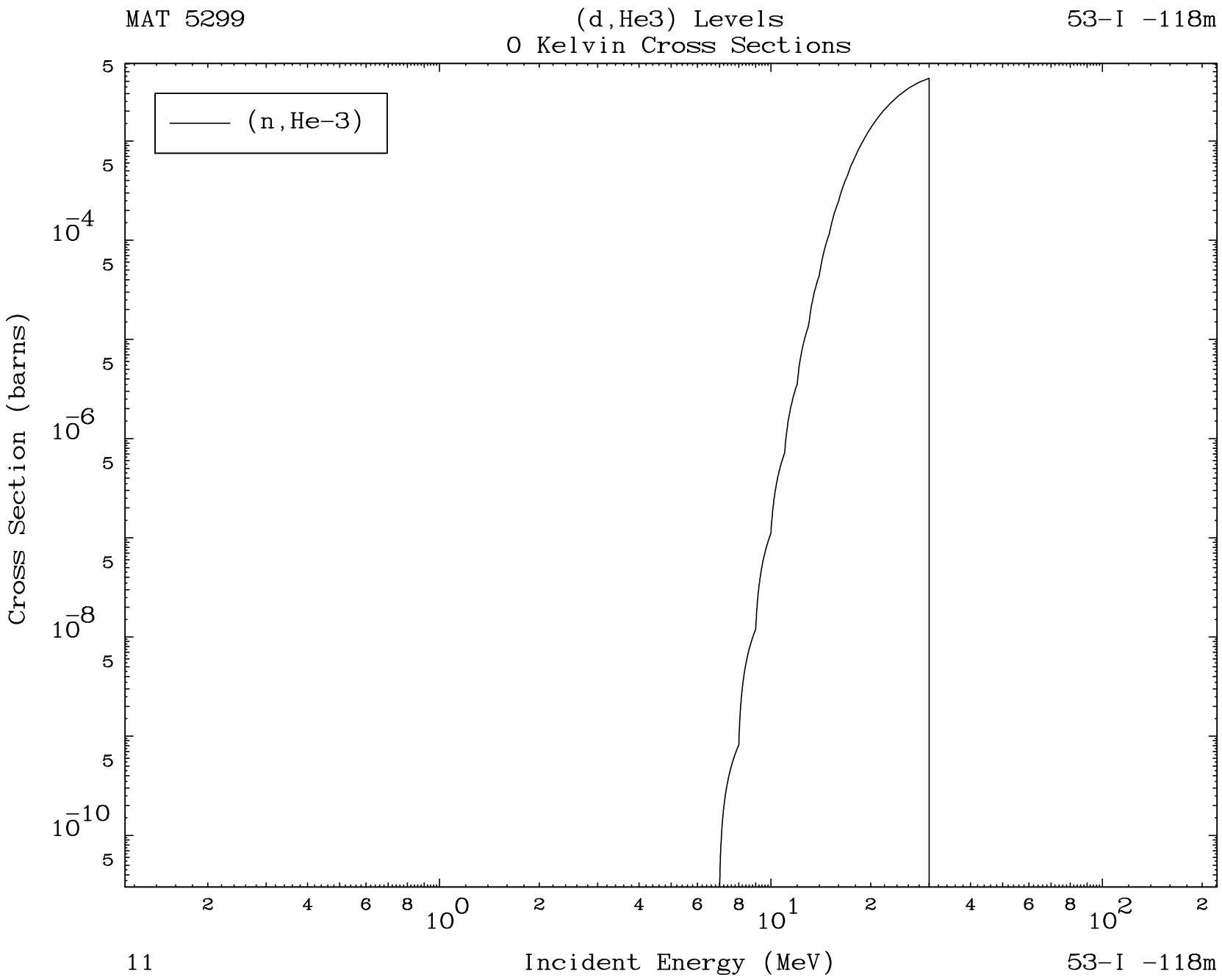

MAT 5299
Deuteron Charged Particle
0 Kelvin Cross Sections
53-I -118m
(n,n') α
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
6
53-I -118m

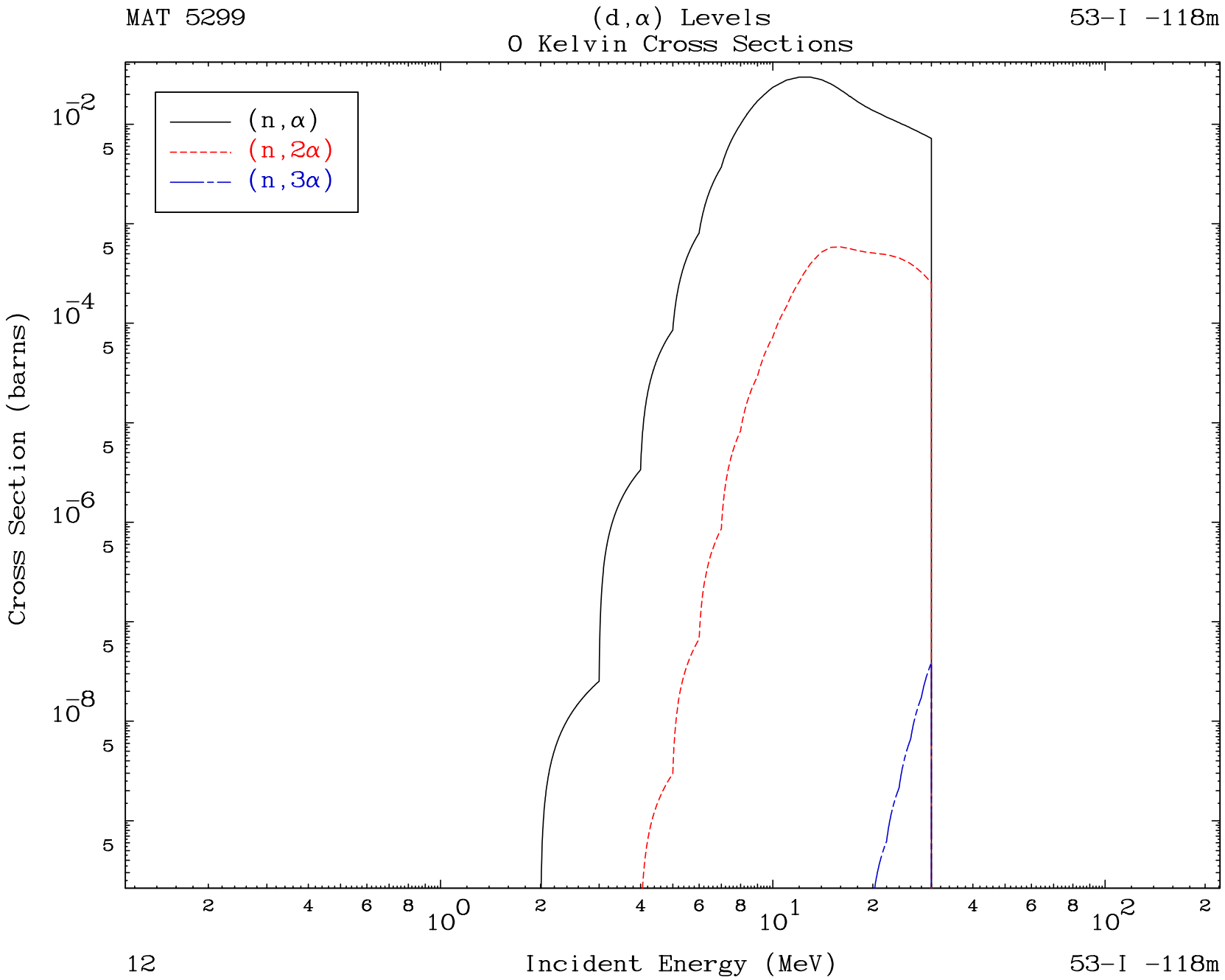

MAT 5299
Deuteron Charged Particle
0 Kelvin Cross Sections
53-I -118m
(n,n') α
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
53-I -118m

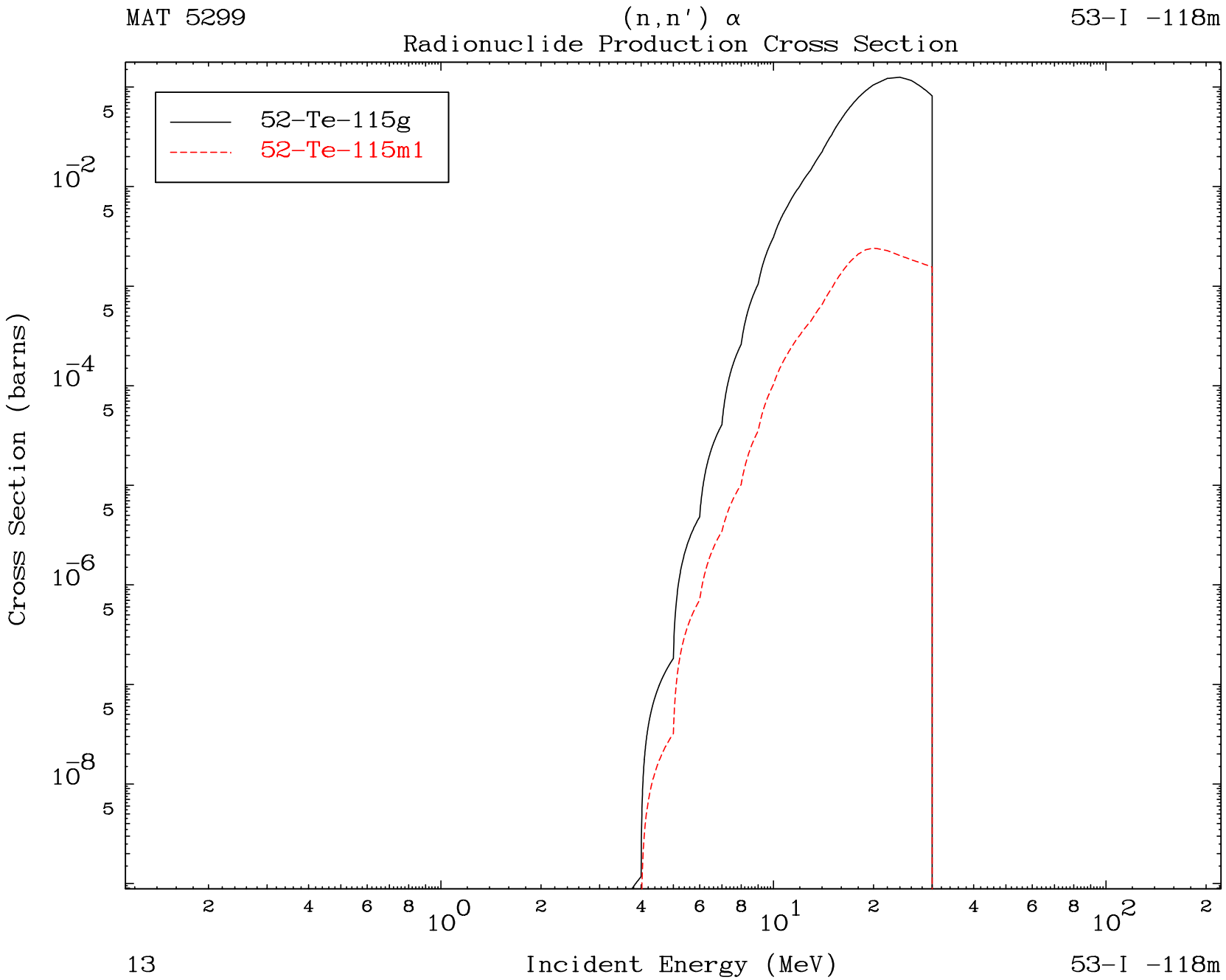

MAT 5299
(d,p) Levels
53-I -118m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
53-I -118m

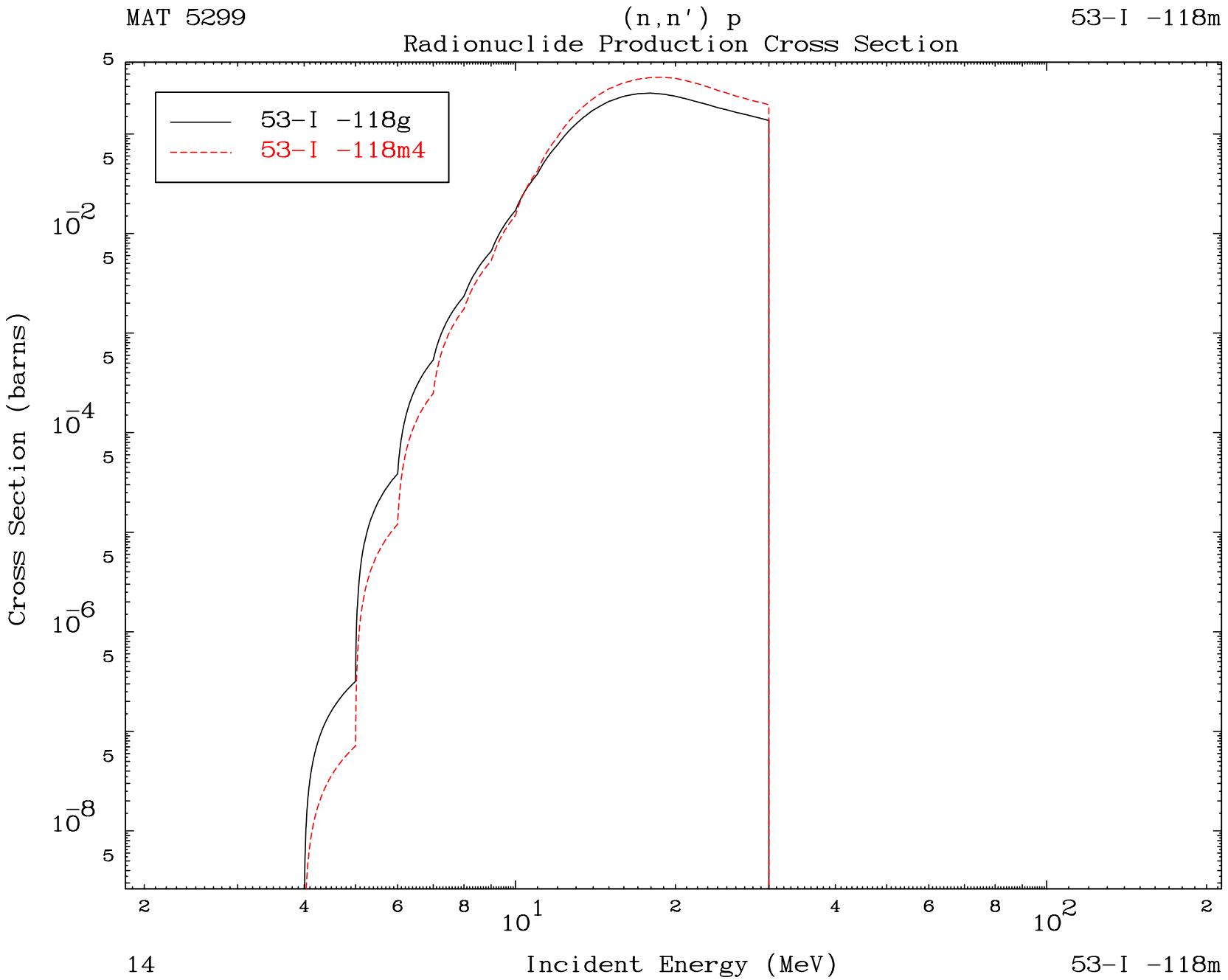

MAT 5299
(d,d) Levels
53-I -118m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
53-I -118m

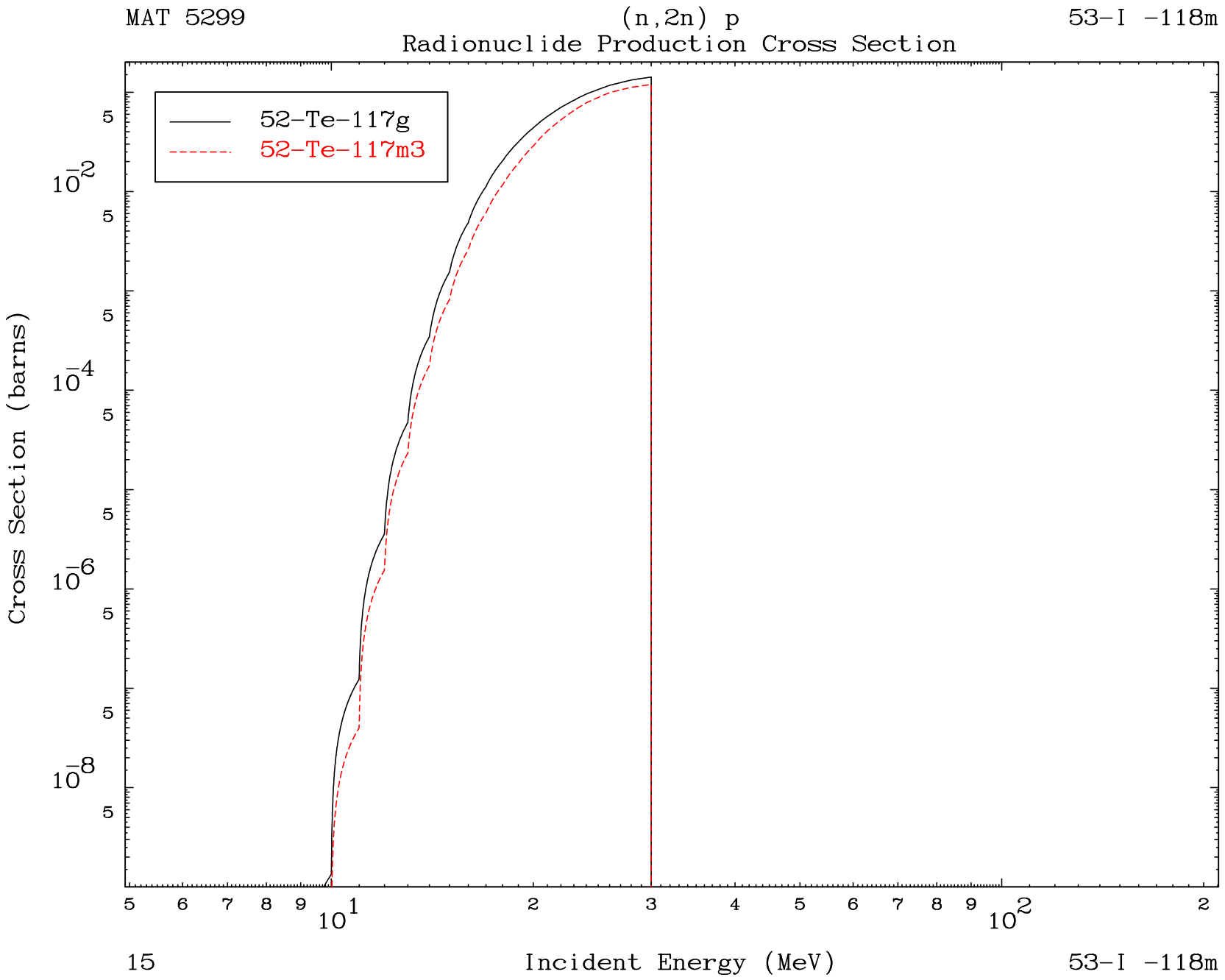

MAT 5299
(d,t) Levels
53-I -118m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
53-I -118m

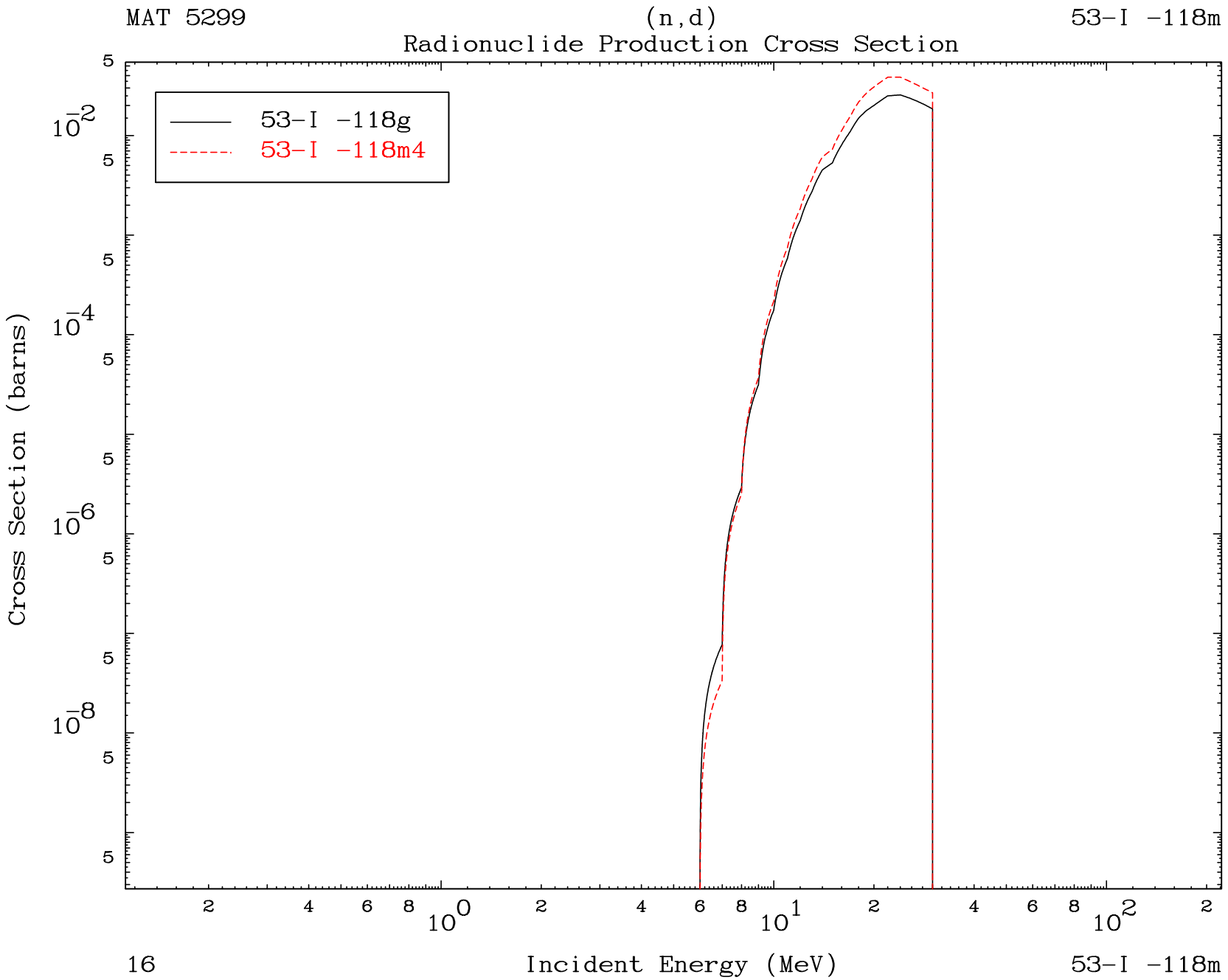

MAT 5299
(d,He3) Levels
53-I -118m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
53-I -118m

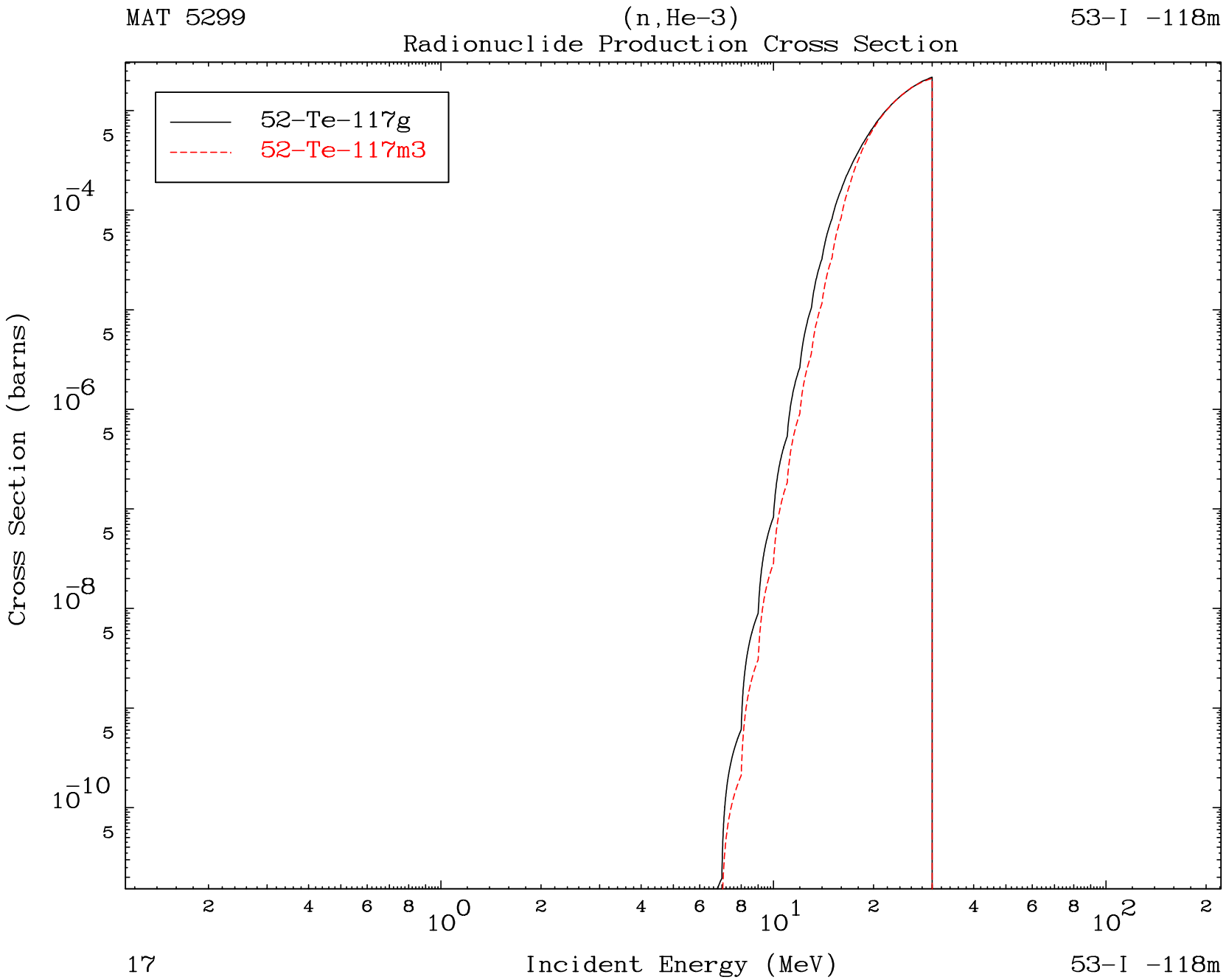

MAT 5299
(d,α) Levels
53-I -118m
0 Kelvin Cross Sections
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
Incident Energy (MeV)
12
53-I -118m

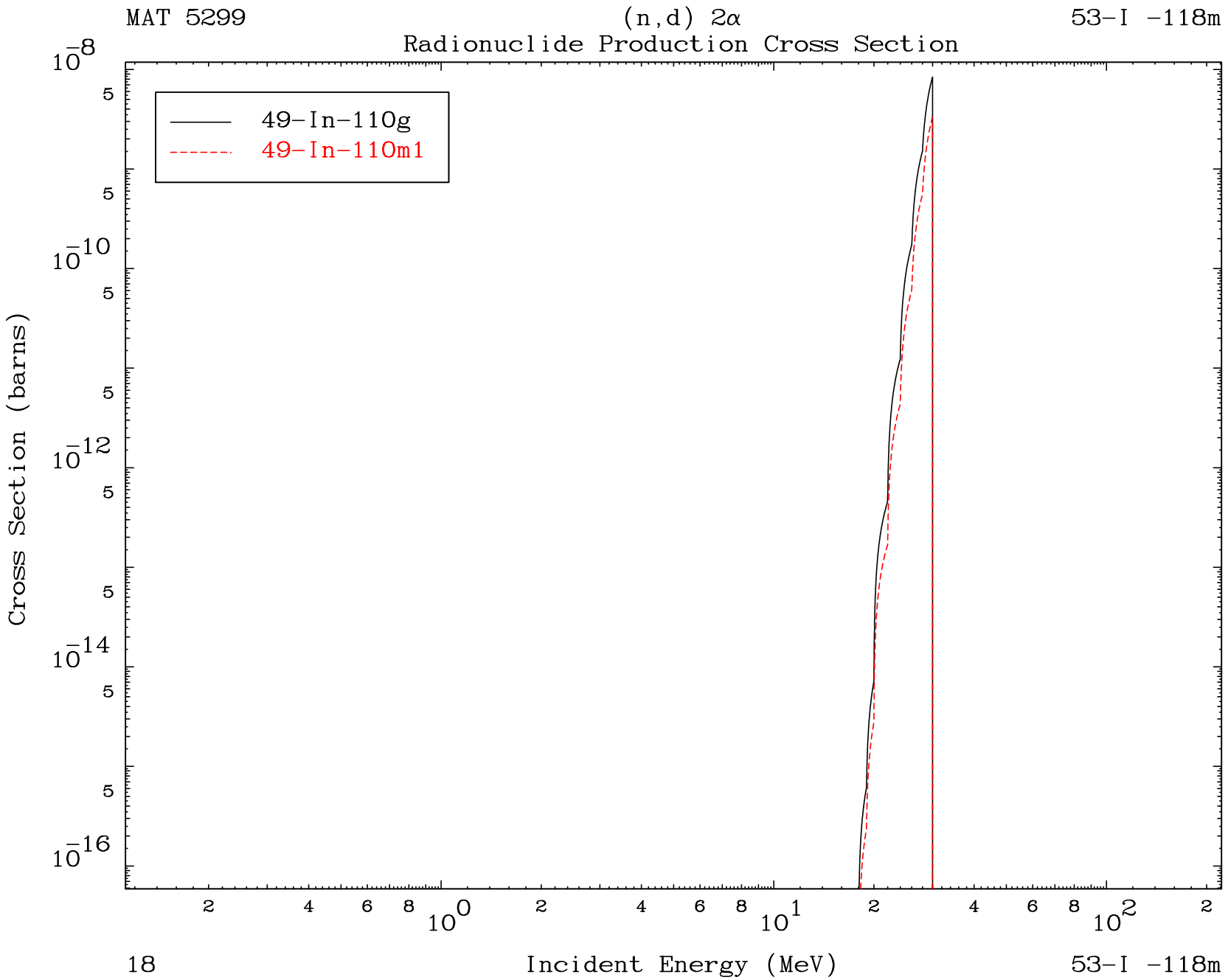

MAT 5299
(n,n') α
53-I -118m
Radionuclide Production Cross Section
52-Te-115g
52-Te-115m1
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
13
53-I -118m

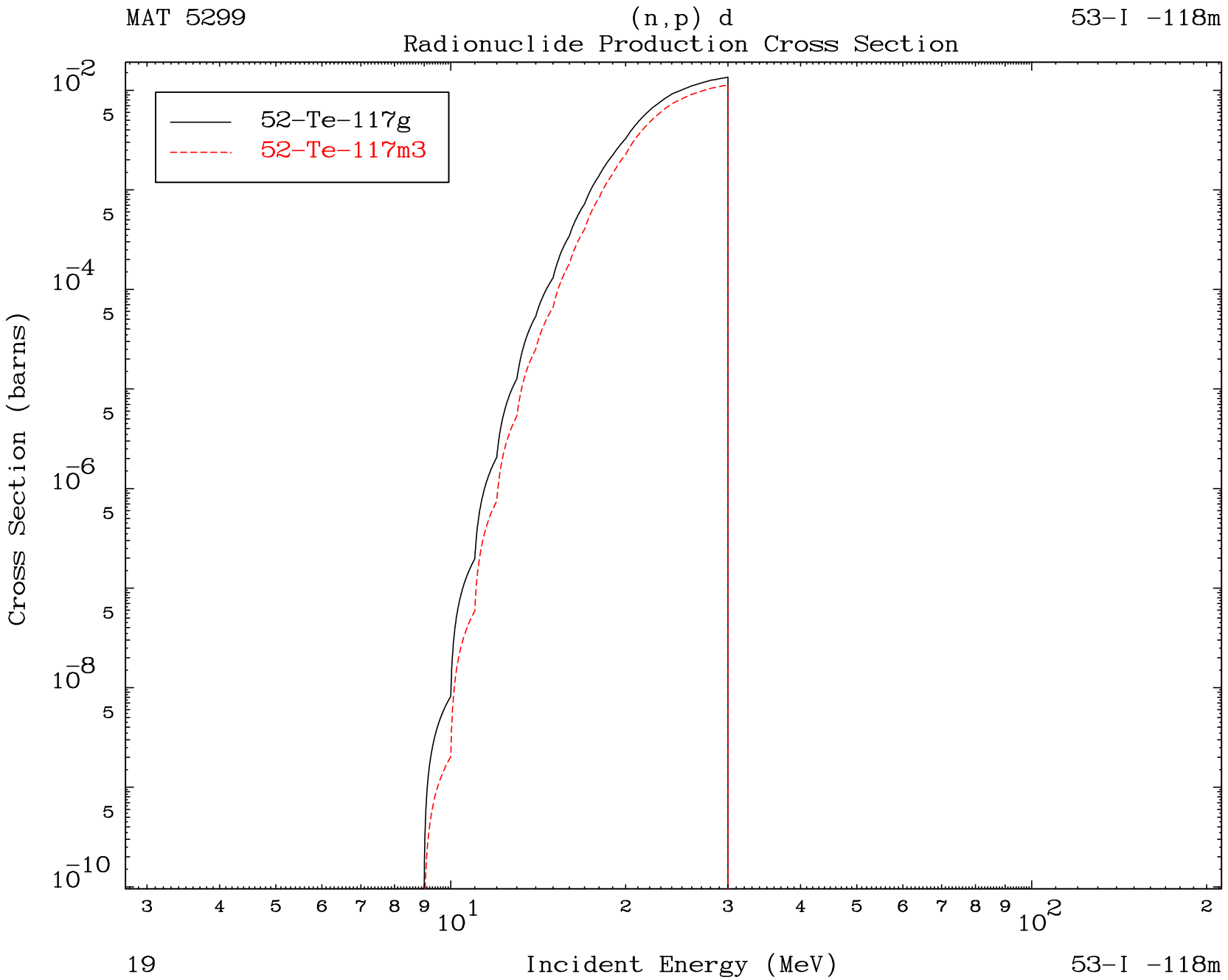

MAT 5299
(n,n') p
53-I -118m
Radionuclide Production Cross Section
53-I -118g
53-I -118m4
Cross Section (barns)
Incident Energy (MeV)
14
53-I -118m


MAT 5299
(n,2n) p
53-I -118m
Radionuclide Production Cross Section
52-Te-117g
52-Te-117m3
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6
7
8
9
10 1
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
53-I -118m


MAT 5299
(n,d)
53-I -118m
Radionuclide Production Cross Section
53-I -118g
53-I -118m4
Cross Section (barns)
Incident Energy (MeV)
16
53-I -118m


MAT 5299
(n,He-3)
53-I -118m
Radionuclide Production Cross Section
52-Te-117g
52-Te-117m3
Cross Section (barns)
Incident Energy (MeV)
17
53-I -118m


MAT 5299
(n,d) 2α
53-I -118m
Radionuclide Production Cross Section
49-In-110g
49-In-110m1
Cross Section (barns)
Incident Energy (MeV)
18
53-I -118m


MAT 5299
(n,p) d
53-I -118m
Radionuclide Production Cross Section
52-Te-117g
52-Te-117m3
Cross Section (barns)
Incident Energy (MeV)
19
53-I -118m