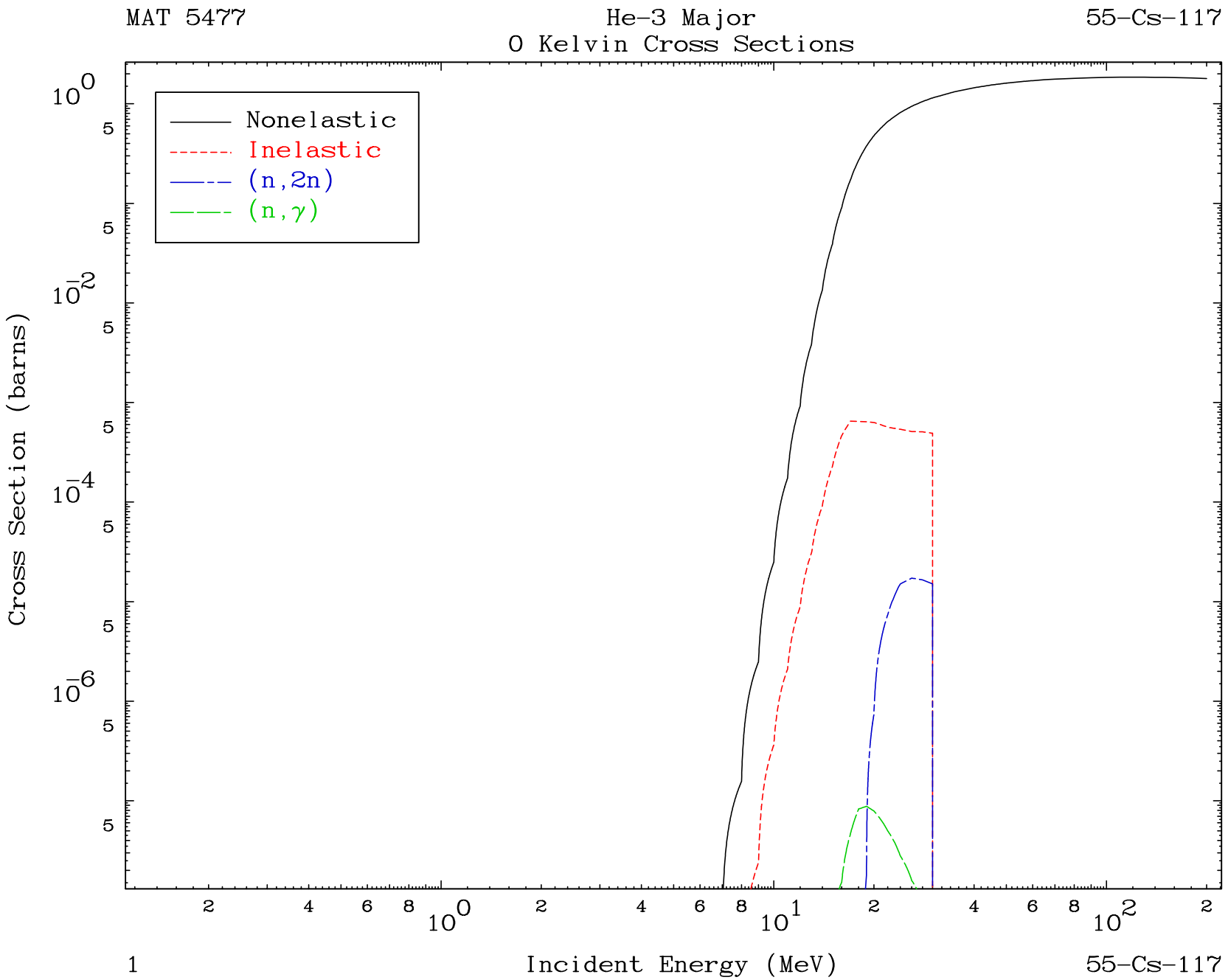
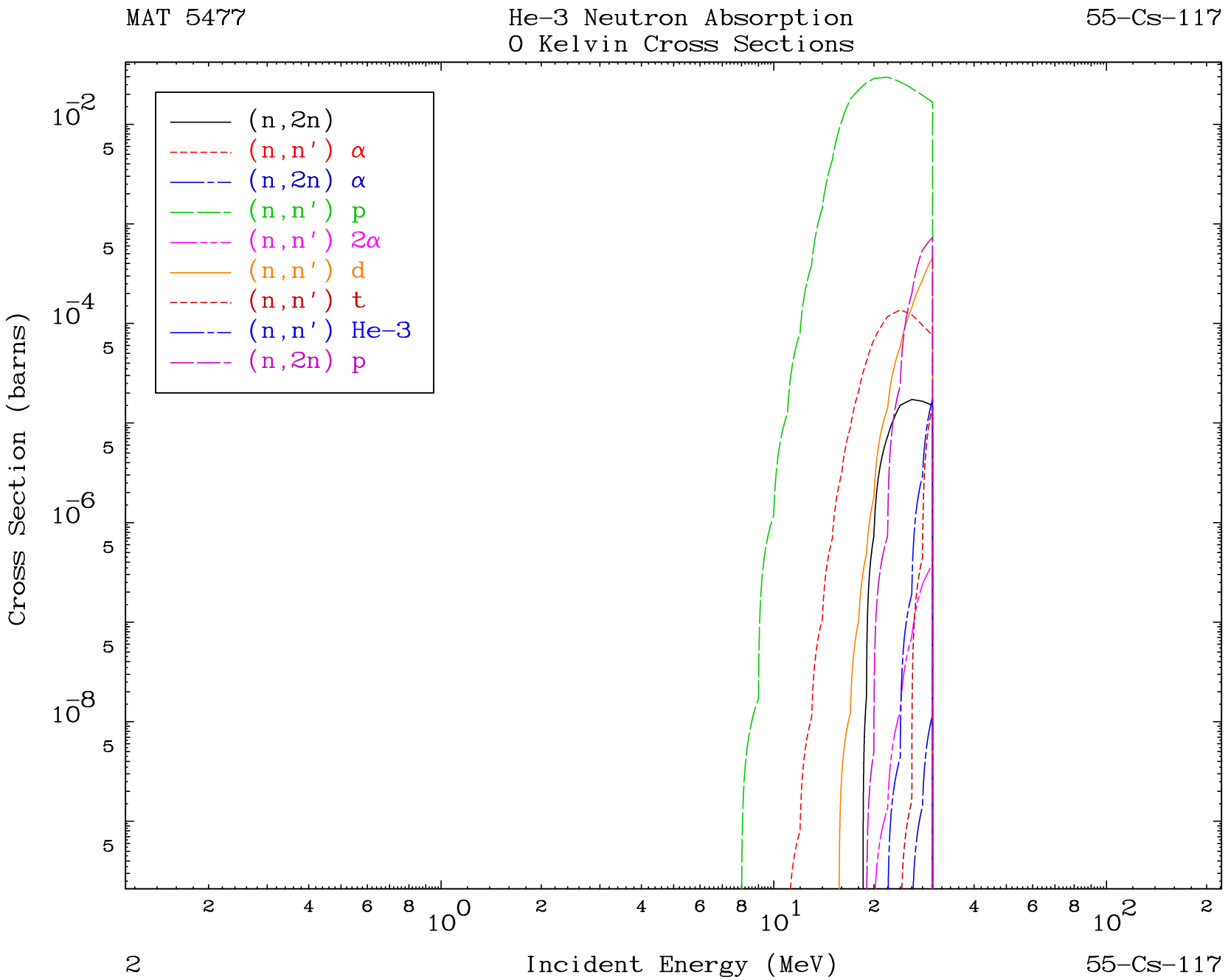
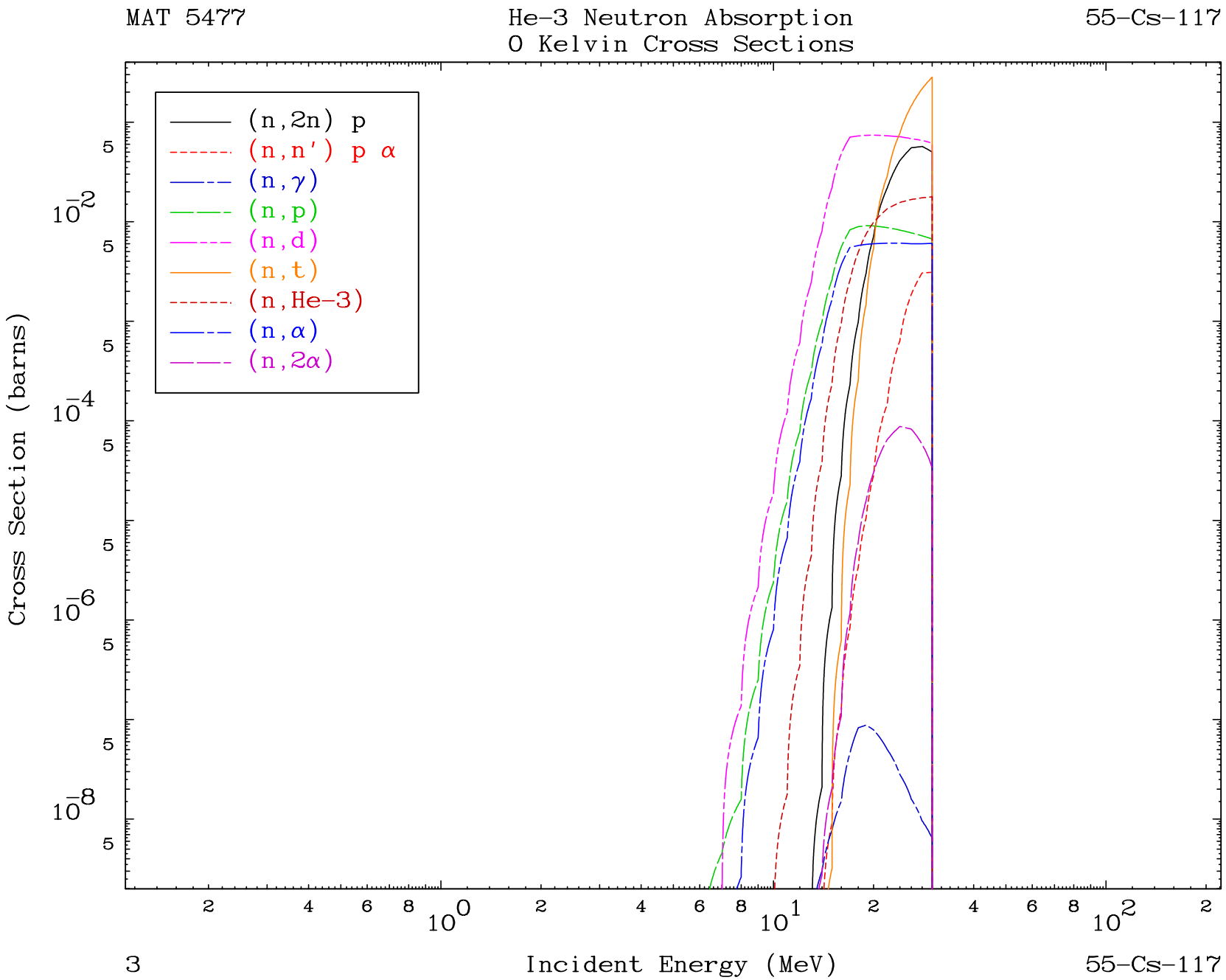
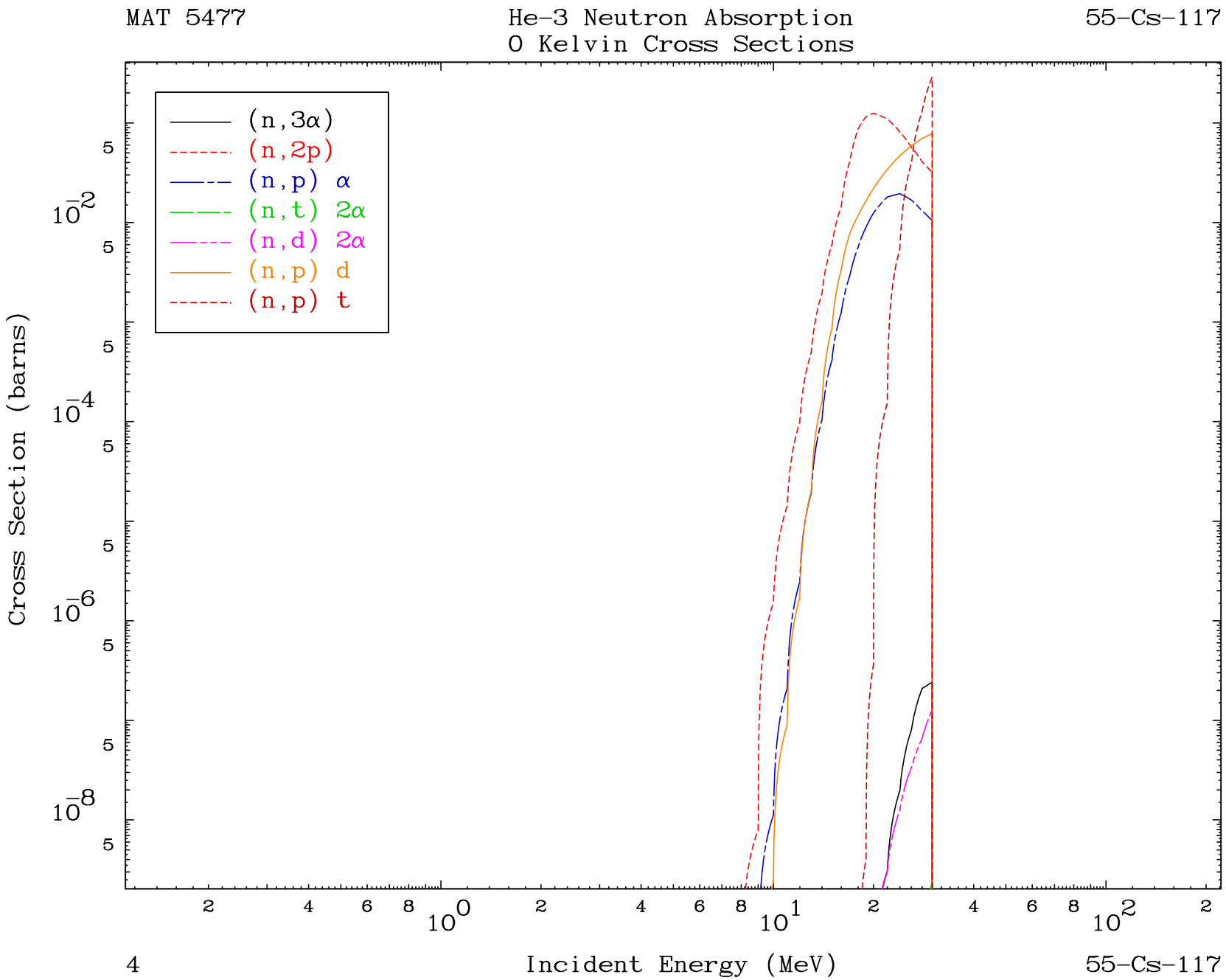
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

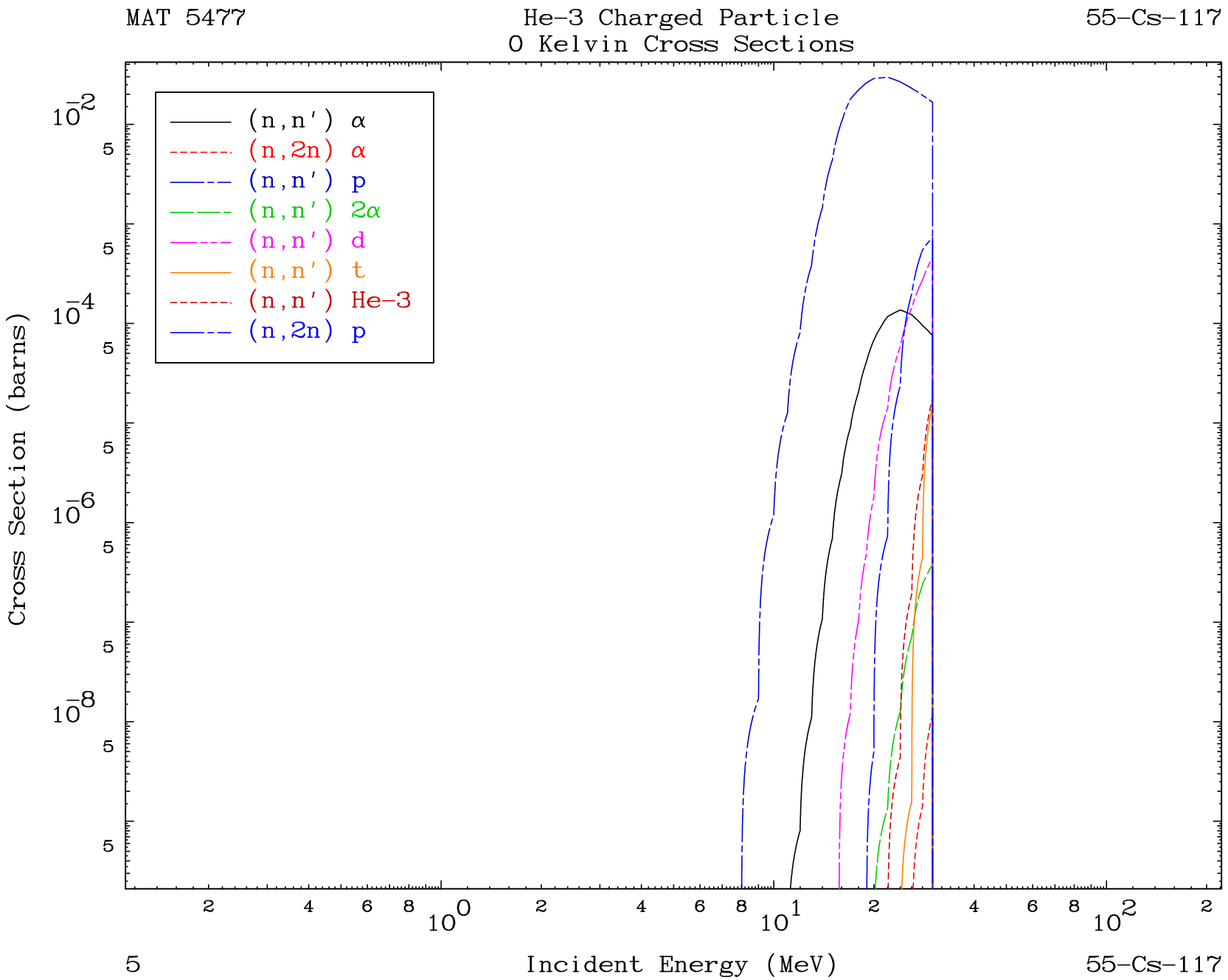
Press Mouse Button to Start

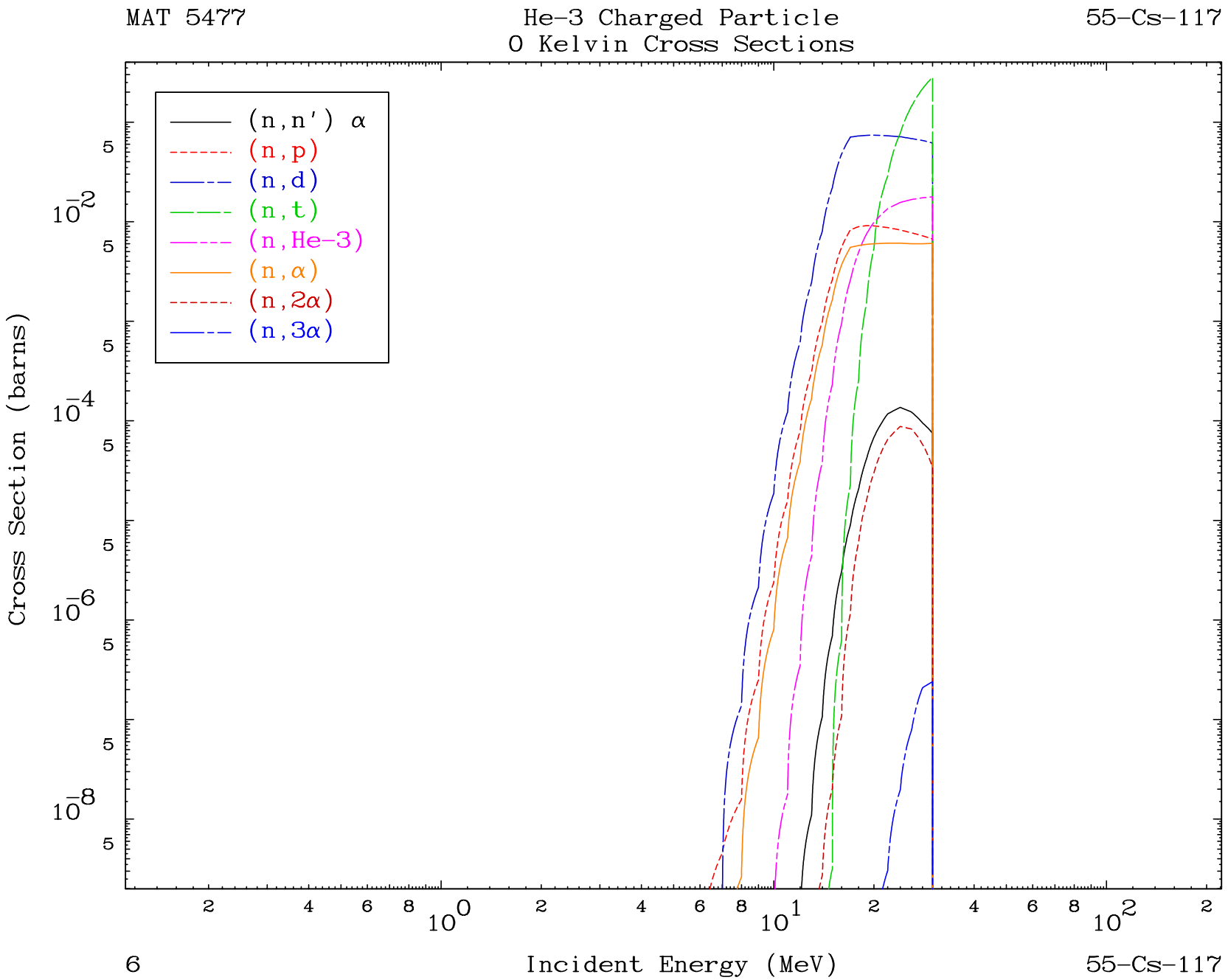

MAT 5477
He-3 Major
55-Cs-117
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
55-Cs-117
1

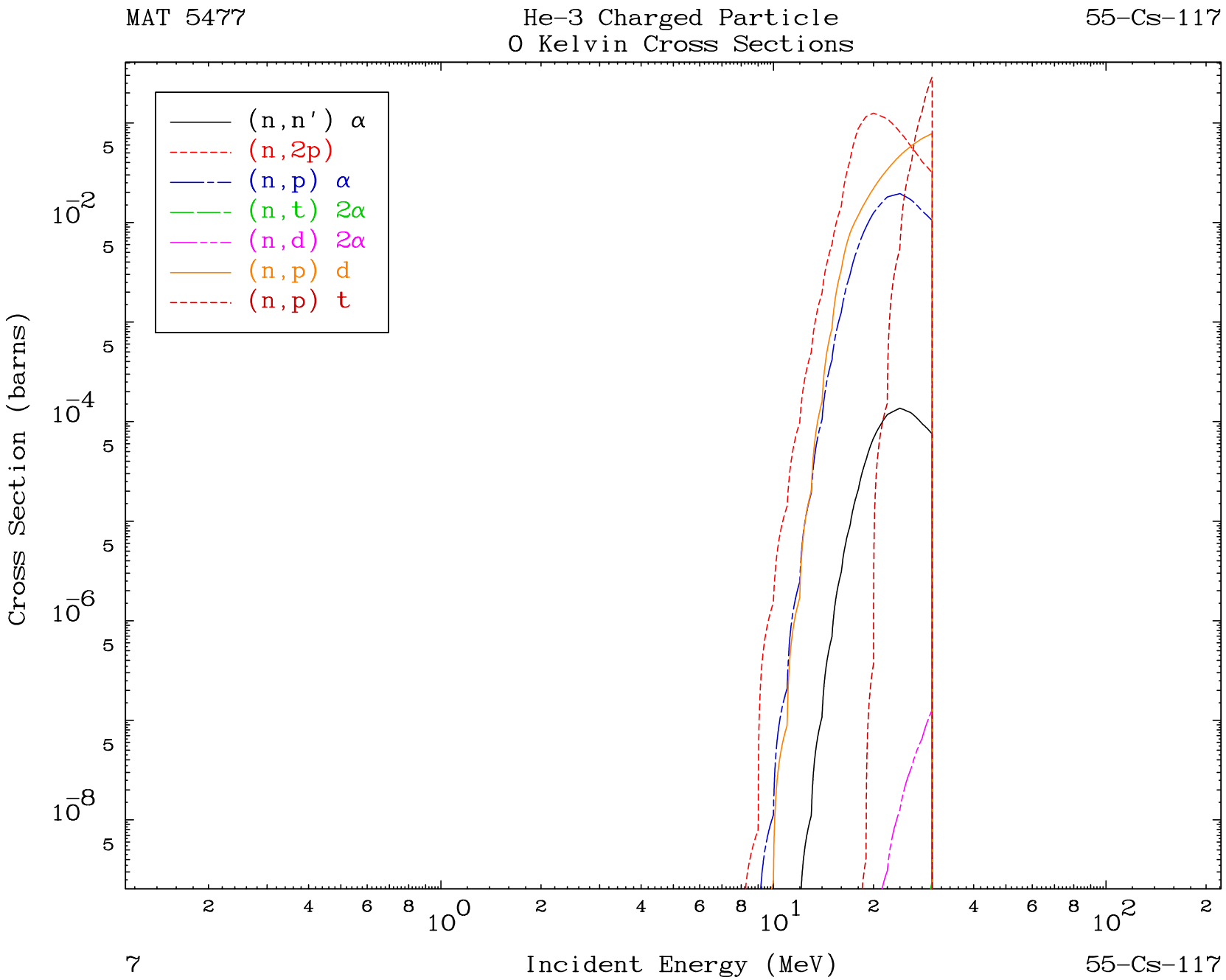

MAT 5477
He-3 Neutron Absorption
0 Kelvin Cross Sections
55-Cs-117
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
55-Cs-117
2

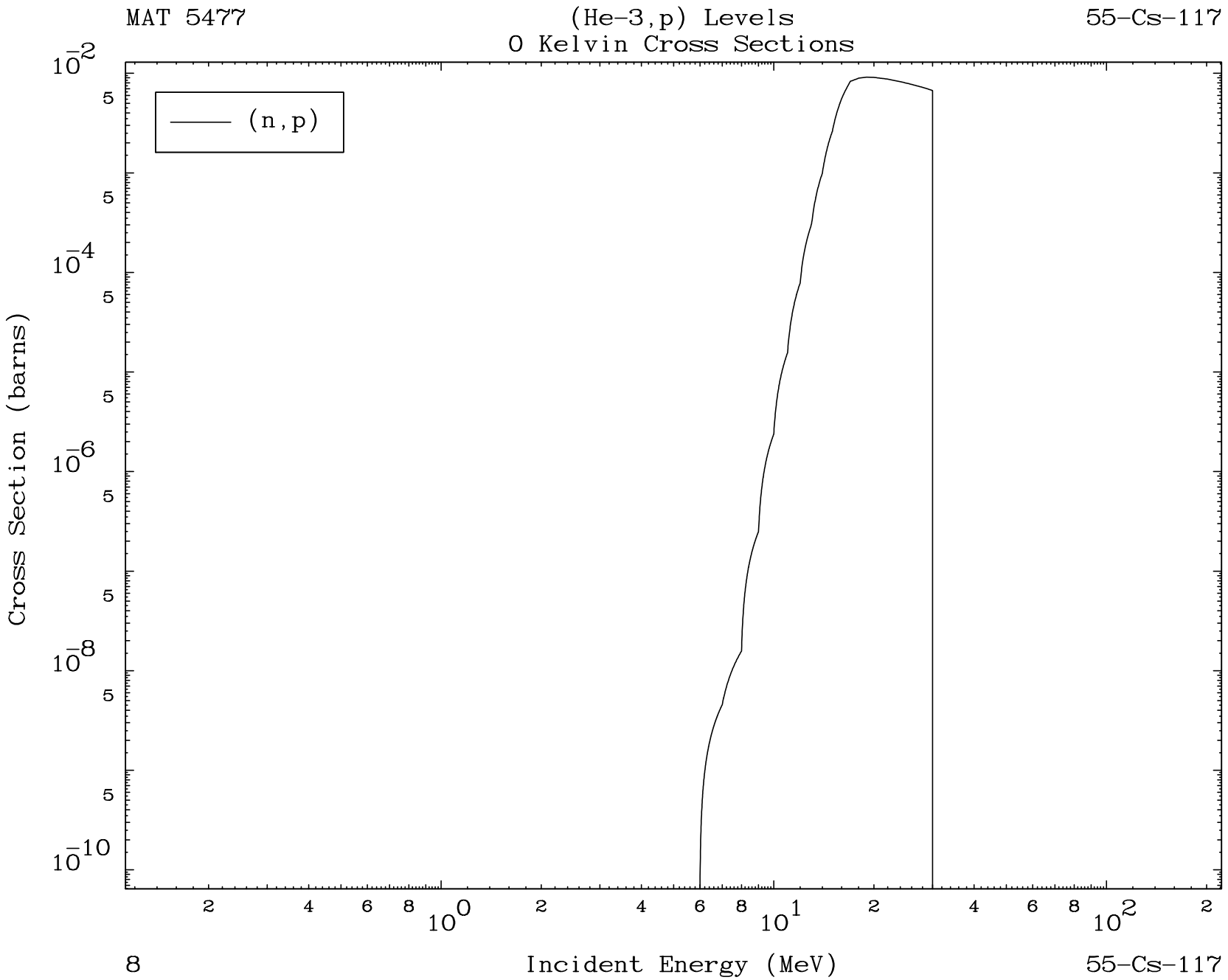

MAT 5477
He-3 Neutron Absorption
0 Kelvin Cross Sections
55-Cs-117
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
3
55-Cs-117

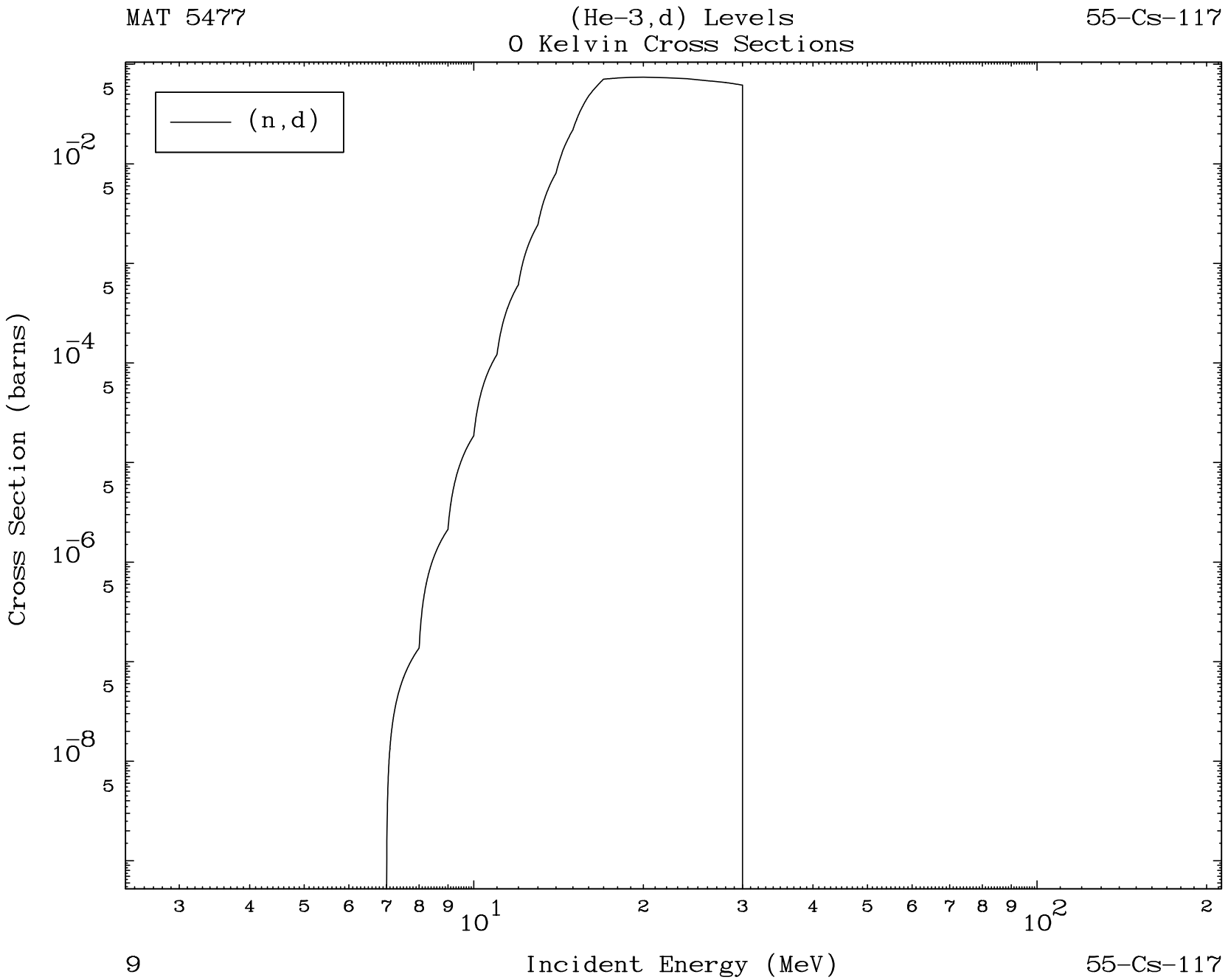

MAT 5477
He-3 Neutron Absorption
0 Kelvin Cross Sections
55-Cs-117
(n,3α)
(n,2p)
(n,p) α
(n,t) 2α
(n,d) 2α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
4
55-Cs-117

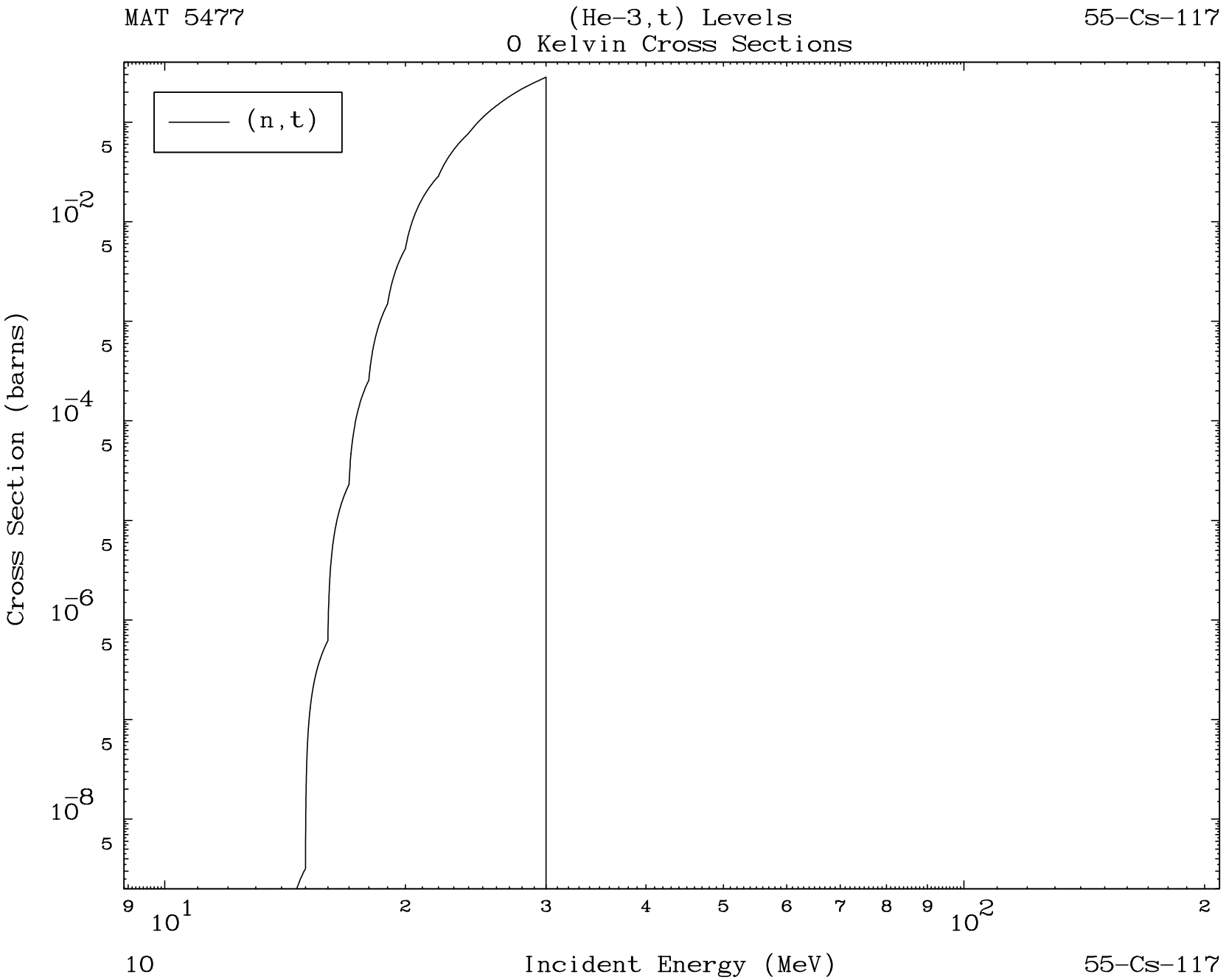

MAT 5477
He-3 Charged Particle
0 Kelvin Cross Sections
55-Cs-117
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
55-Cs-117

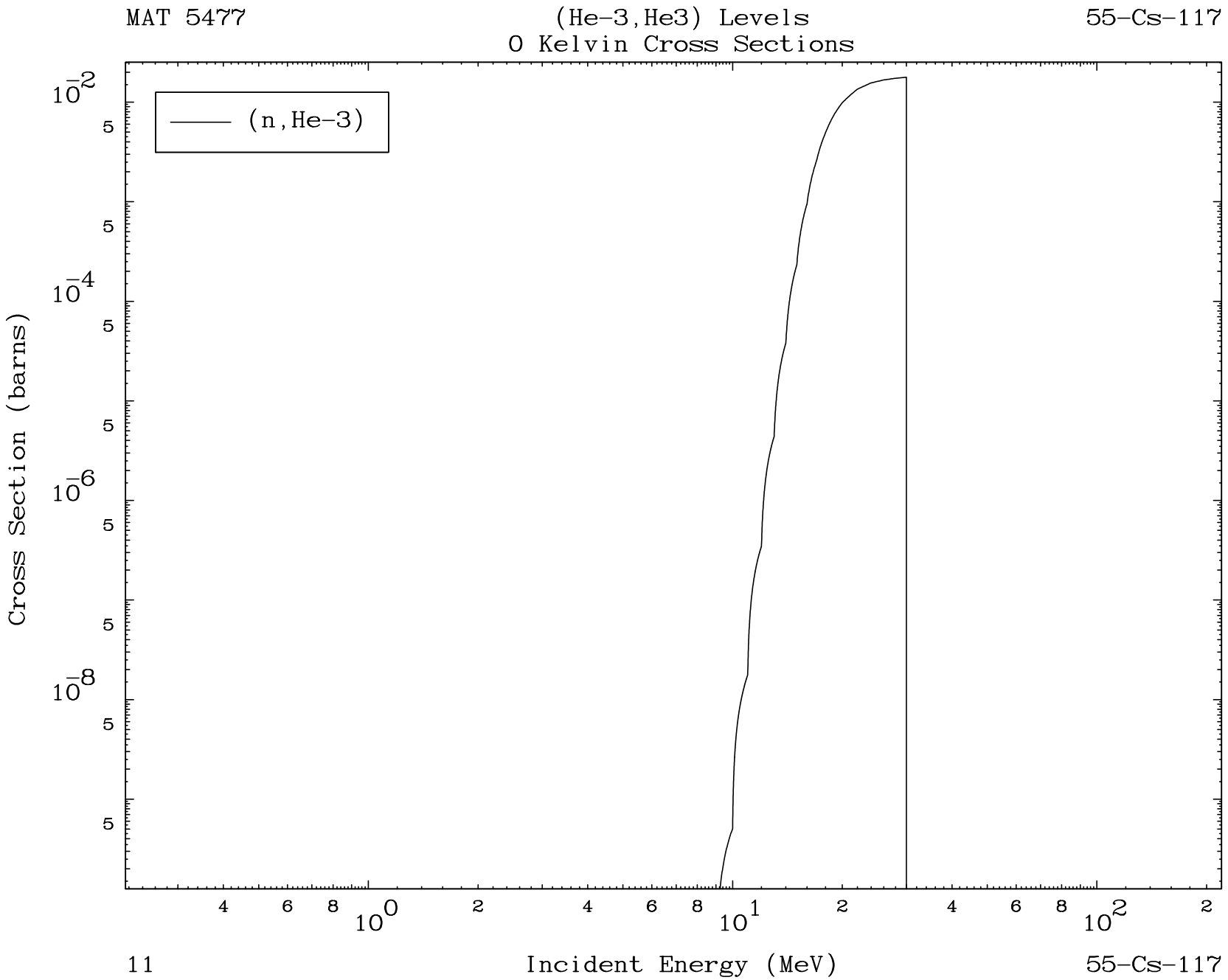

MAT 5477
He-3 Charged Particle
0 Kelvin Cross Sections
55-Cs-117
(n,n') α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
Incident Energy (MeV)
6
55-Cs-117

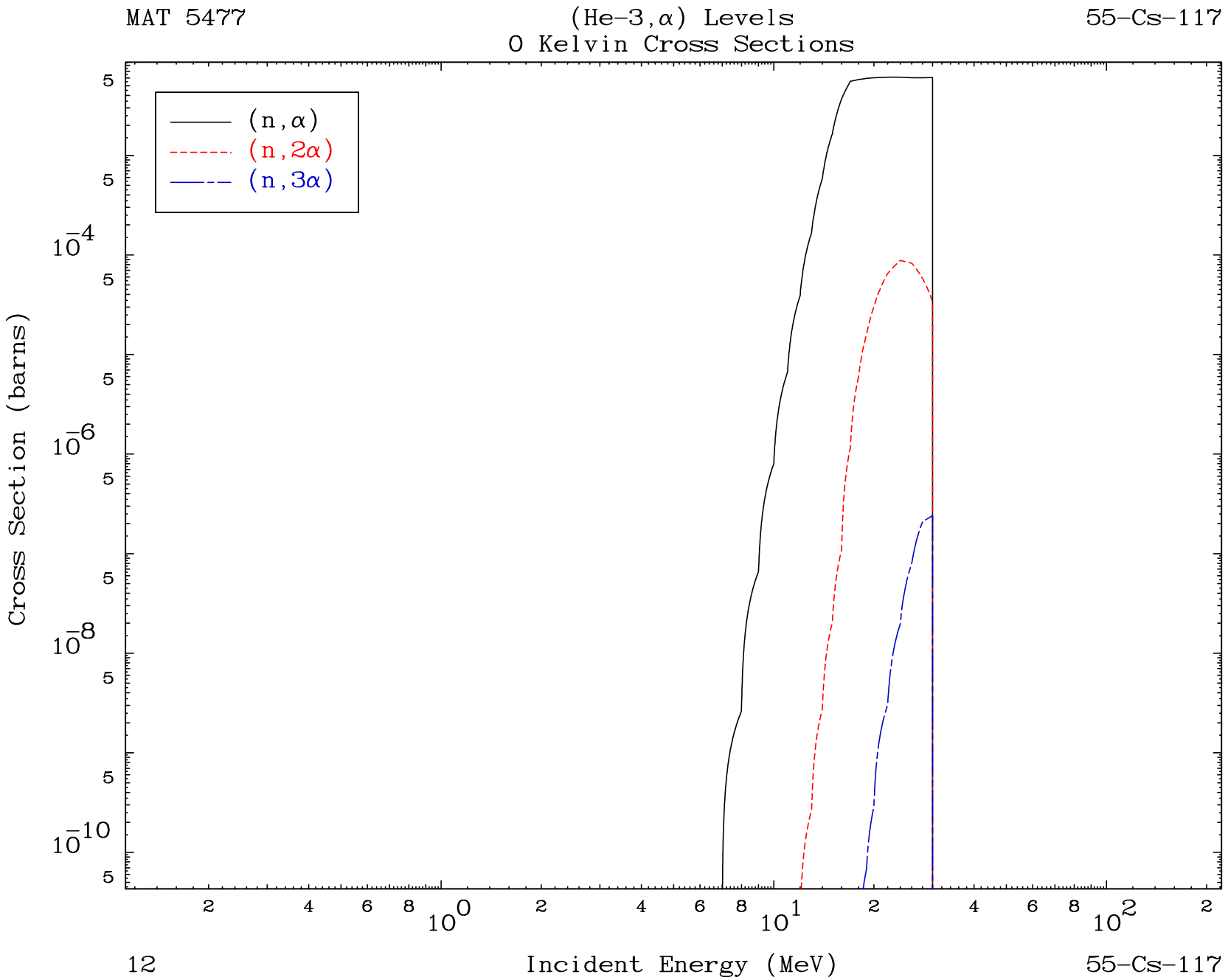

MAT 5477
He-3 Charged Particle
0 Kelvin Cross Sections
55-Cs-117
(n,n') α
(n,2p)
(n,p) α
(n,t) 2α
(n,d) 2α
(n,p) d
(n,p) t
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
7
55-Cs-117

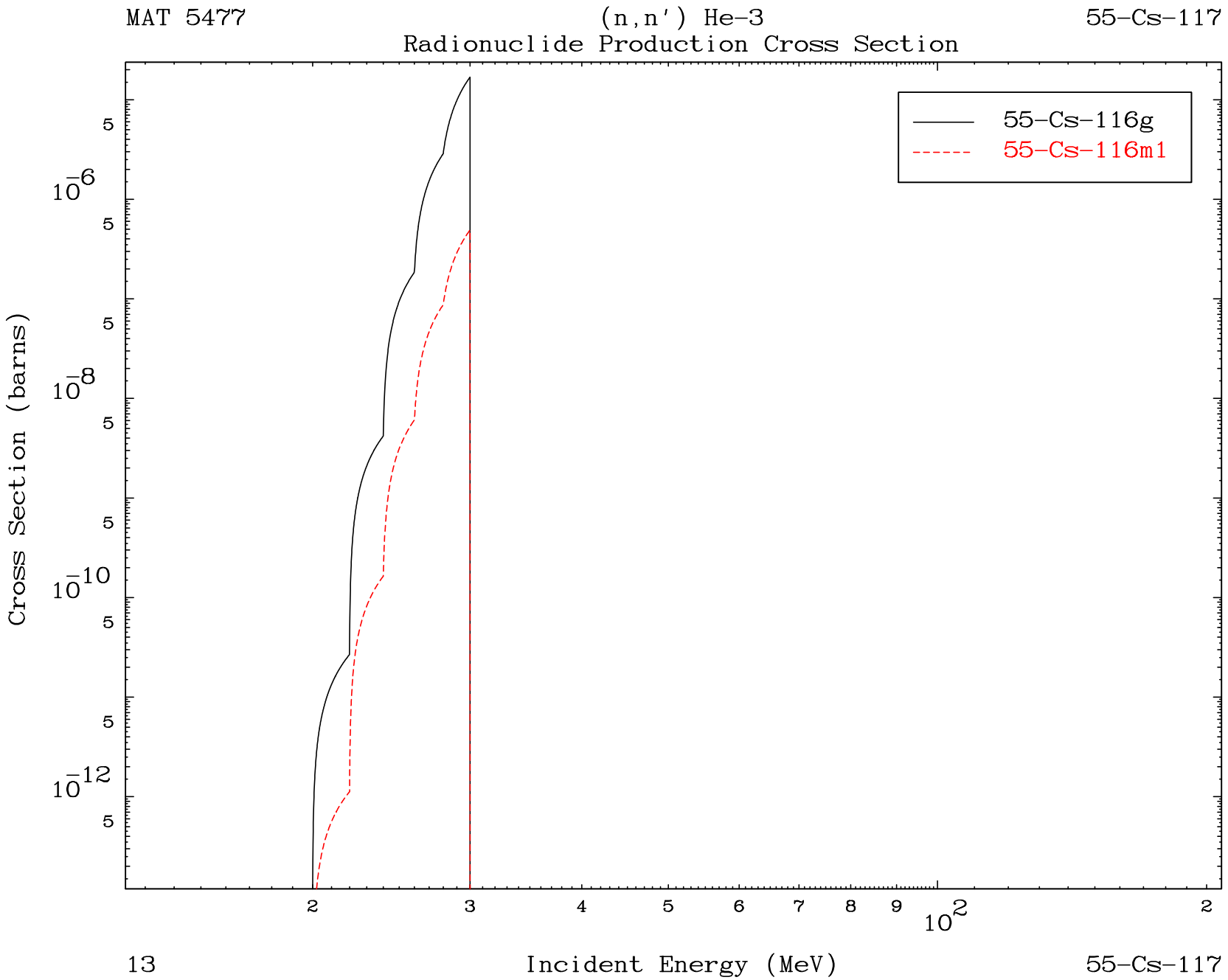

MAT 5477
(He-3,p) Levels
55-Cs-117
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
55-Cs-117

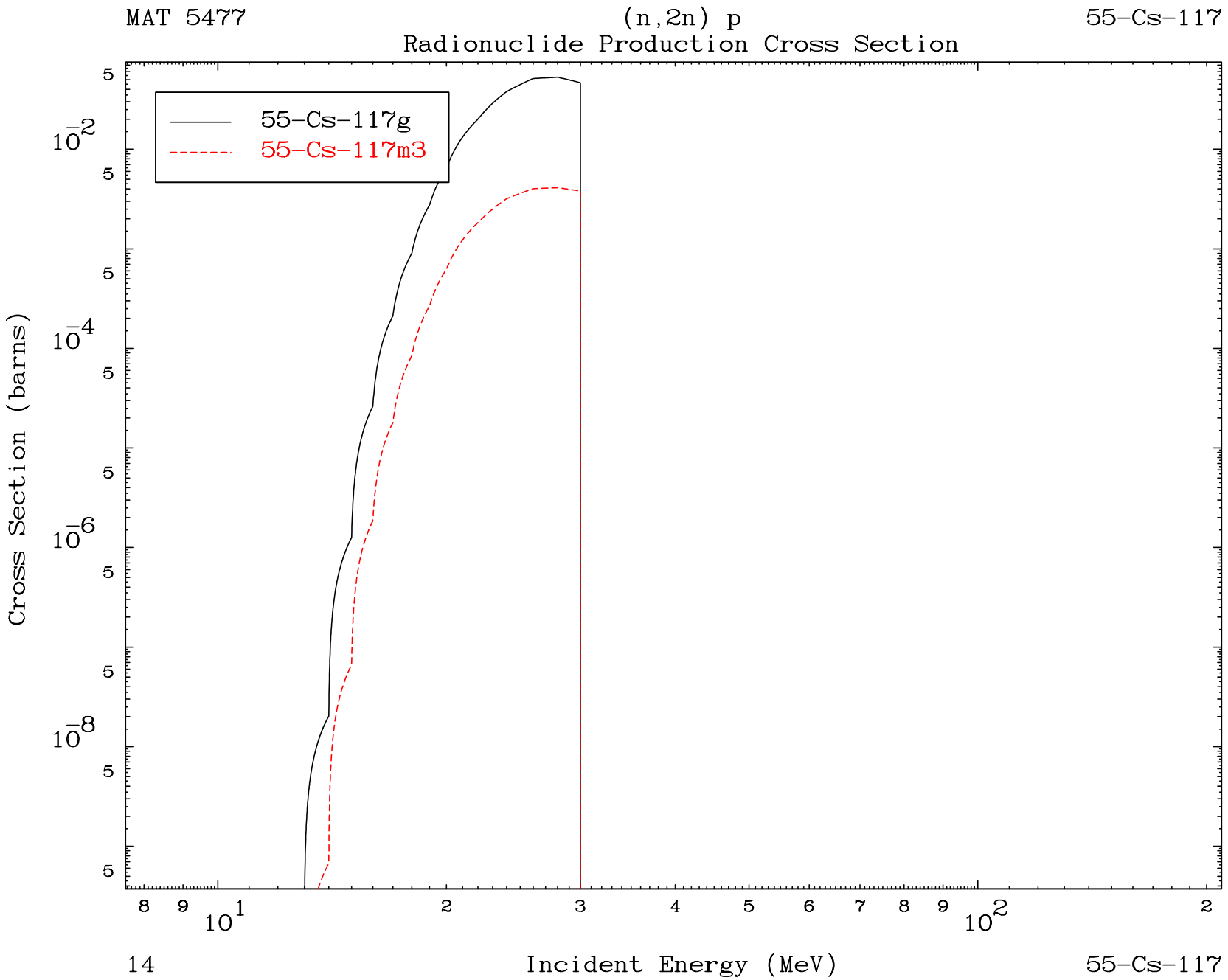

MAT 5477
(He-3,d) Levels
55-Cs-117
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
55-Cs-117

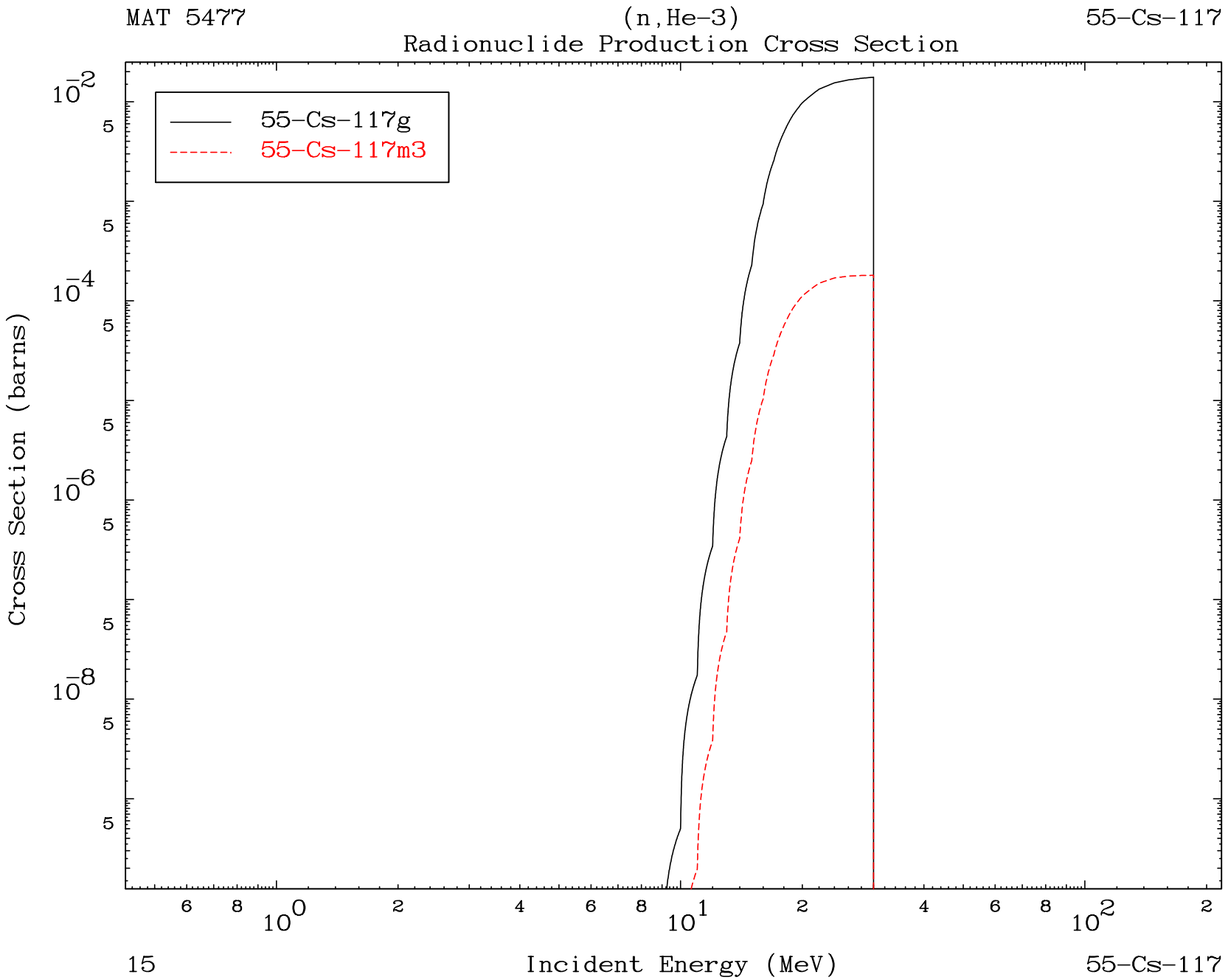

MAT 5477
(He-3,t) Levels
55-Cs-117
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
Incident Energy (MeV)
10
10^1
10^2
55-Cs-117

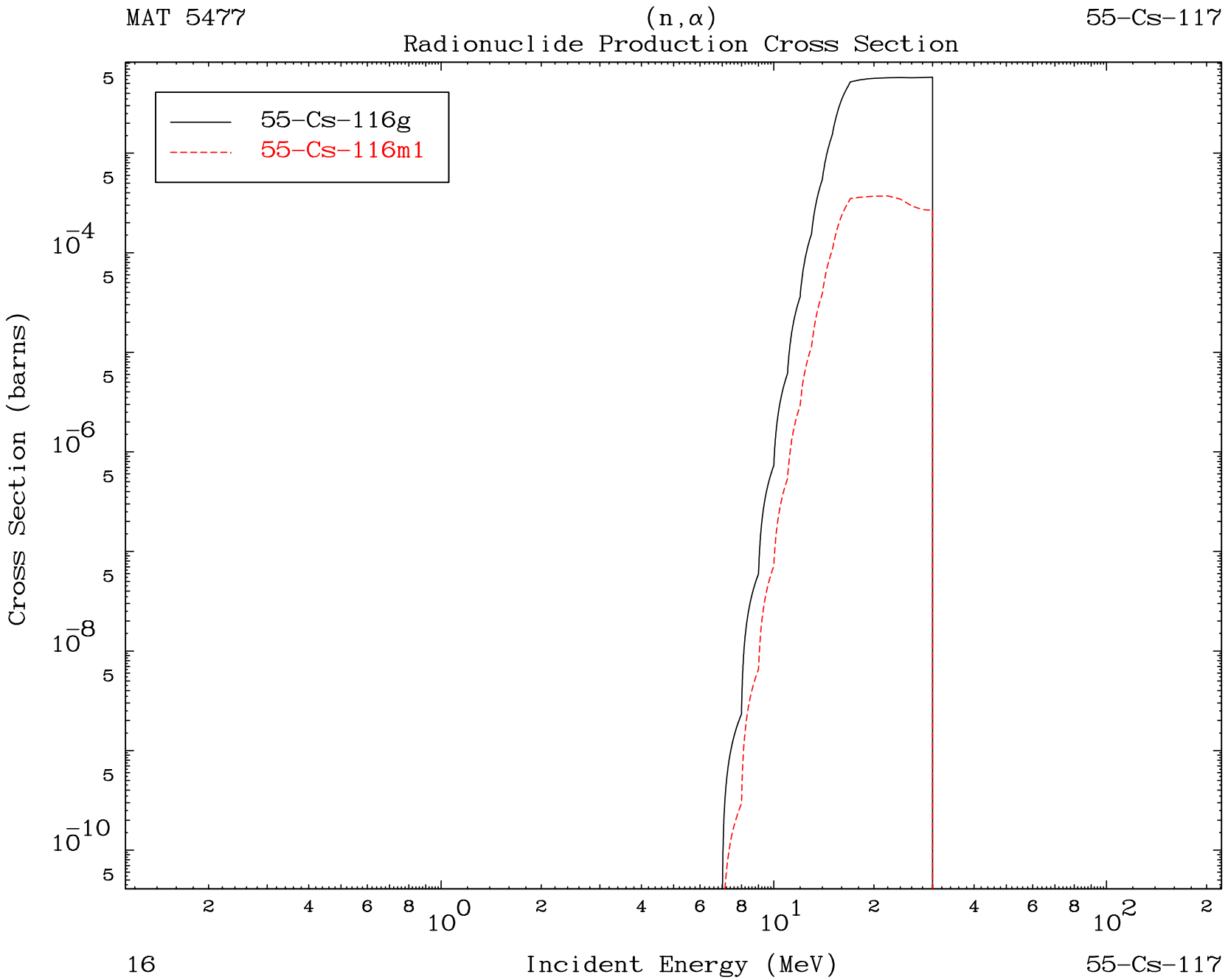

MAT 5477
(He-3,He3) Levels
55-Cs-117
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
55-Cs-117

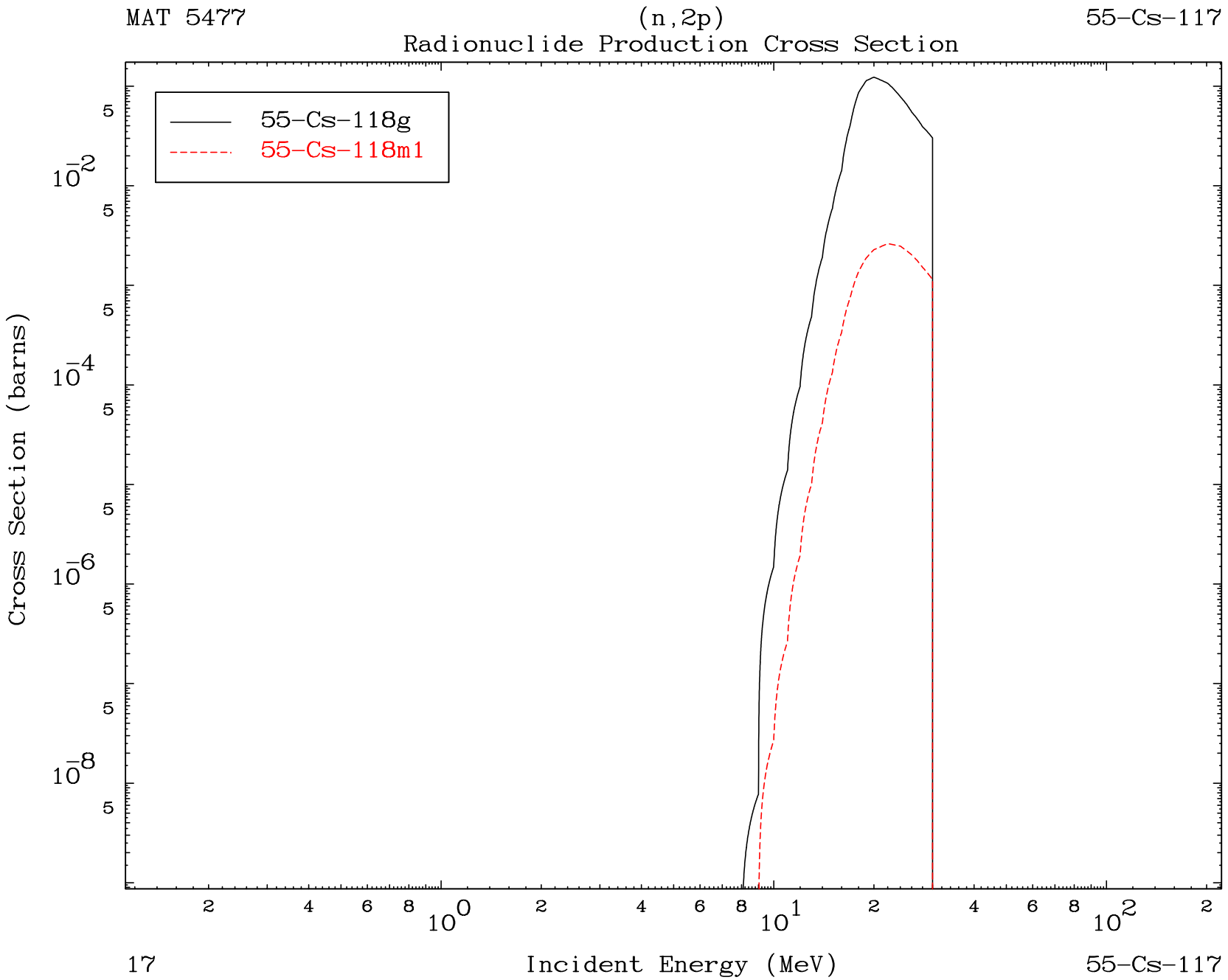

MAT 5477
(He-3,α) Levels
0 Kelvin Cross Sections
55-Cs-117
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
Incident Energy (MeV)
12
55-Cs-117

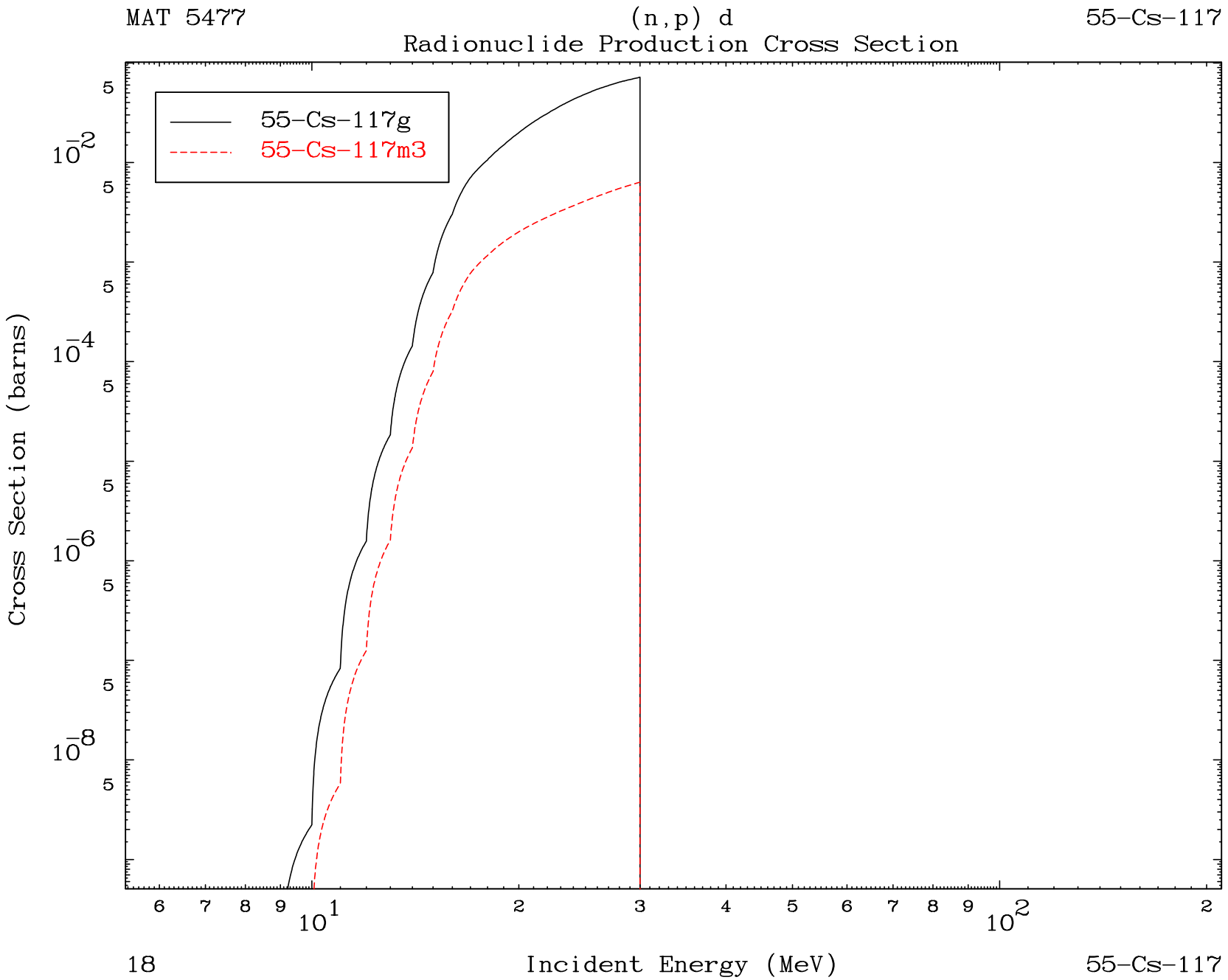

MAT 5477
(n,n') He-3
55-Cs-117
Radionuclide Production Cross Section
55-Cs-116g
55-Cs-116m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
55-Cs-117

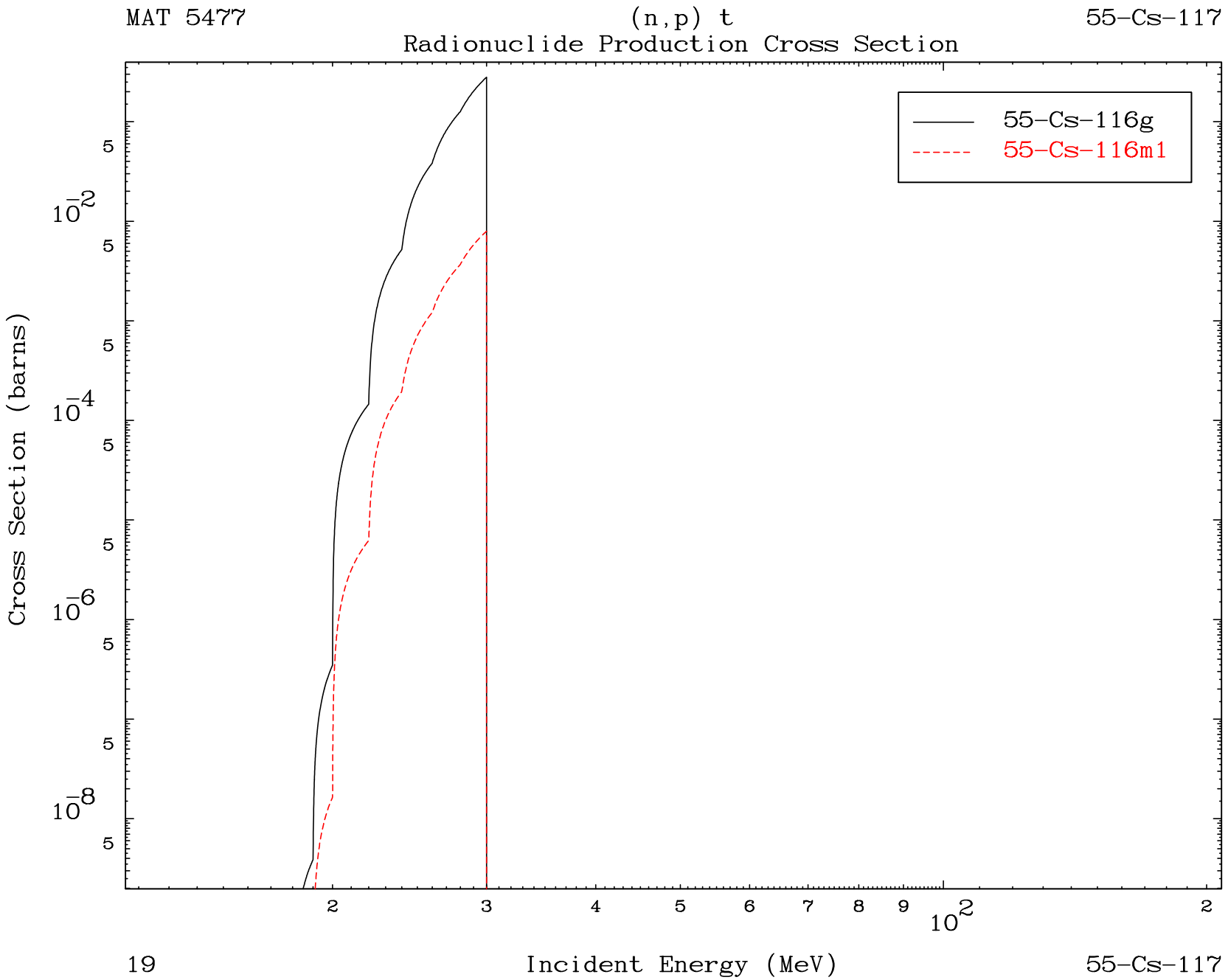

MAT 5477
(n,2n) p
55-Cs-117
Radionuclide Production Cross Section
55-Cs-117g
55-Cs-117m3
Cross Section (barns)
Incident Energy (MeV)
14
55-Cs-117


MAT 5477
(n,He-3)
55-Cs-117
Radionuclide Production Cross Section
55-Cs-117g
55-Cs-117m3
Cross Section (barns)
Incident Energy (MeV)
15
55-Cs-117


MAT 5477
(n,α)
55-Cs-117
Radionuclide Production Cross Section
55-Cs-116g
55-Cs-116m1
Cross Section (barns)
Incident Energy (MeV)
16
55-Cs-117


MAT 5477
(n,2p)
55-Cs-117
Radionuclide Production Cross Section
55-Cs-118g
55-Cs-118m1
Cross Section (barns)
Incident Energy (MeV)
17
55-Cs-117


MAT 5477
(n,p) d
55-Cs-117
Radionuclide Production Cross Section
55-Cs-117g
55-Cs-117m3
Cross Section (barns)
Incident Energy (MeV)
18
55-Cs-117


MAT 5477
(n,p) t
55-Cs-117
Radionuclide Production Cross Section
55-Cs-116g
55-Cs-116m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
55-Cs-117