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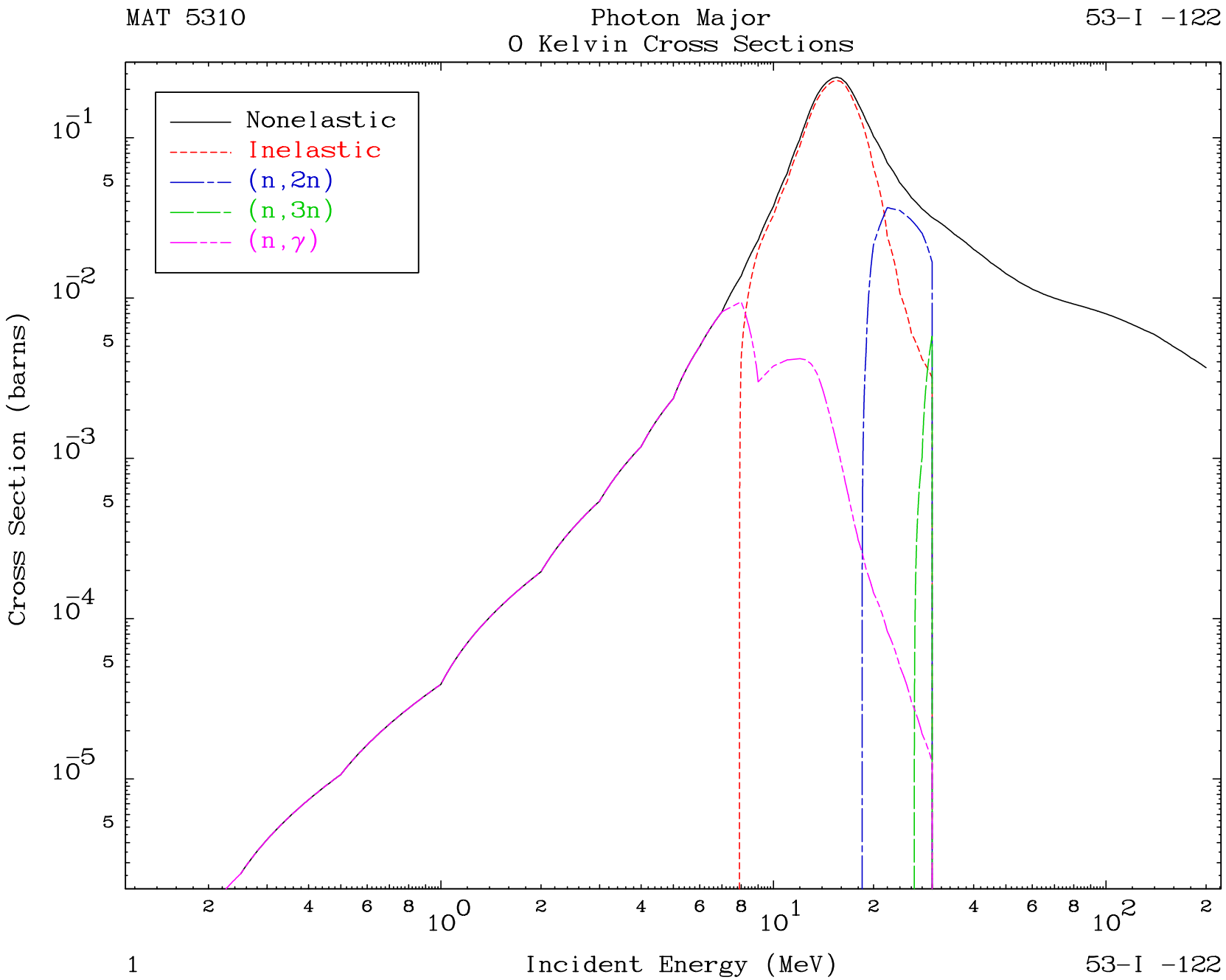
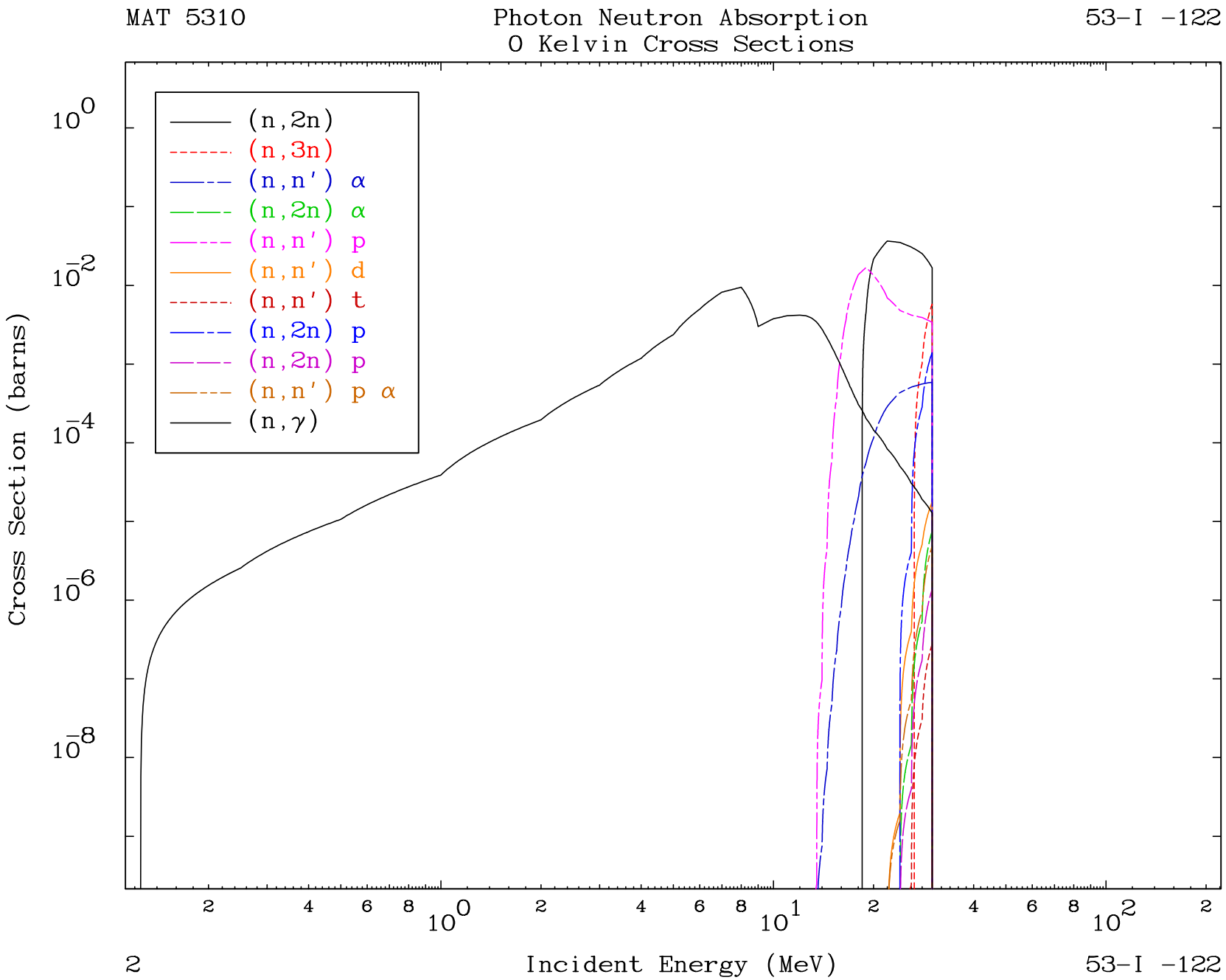
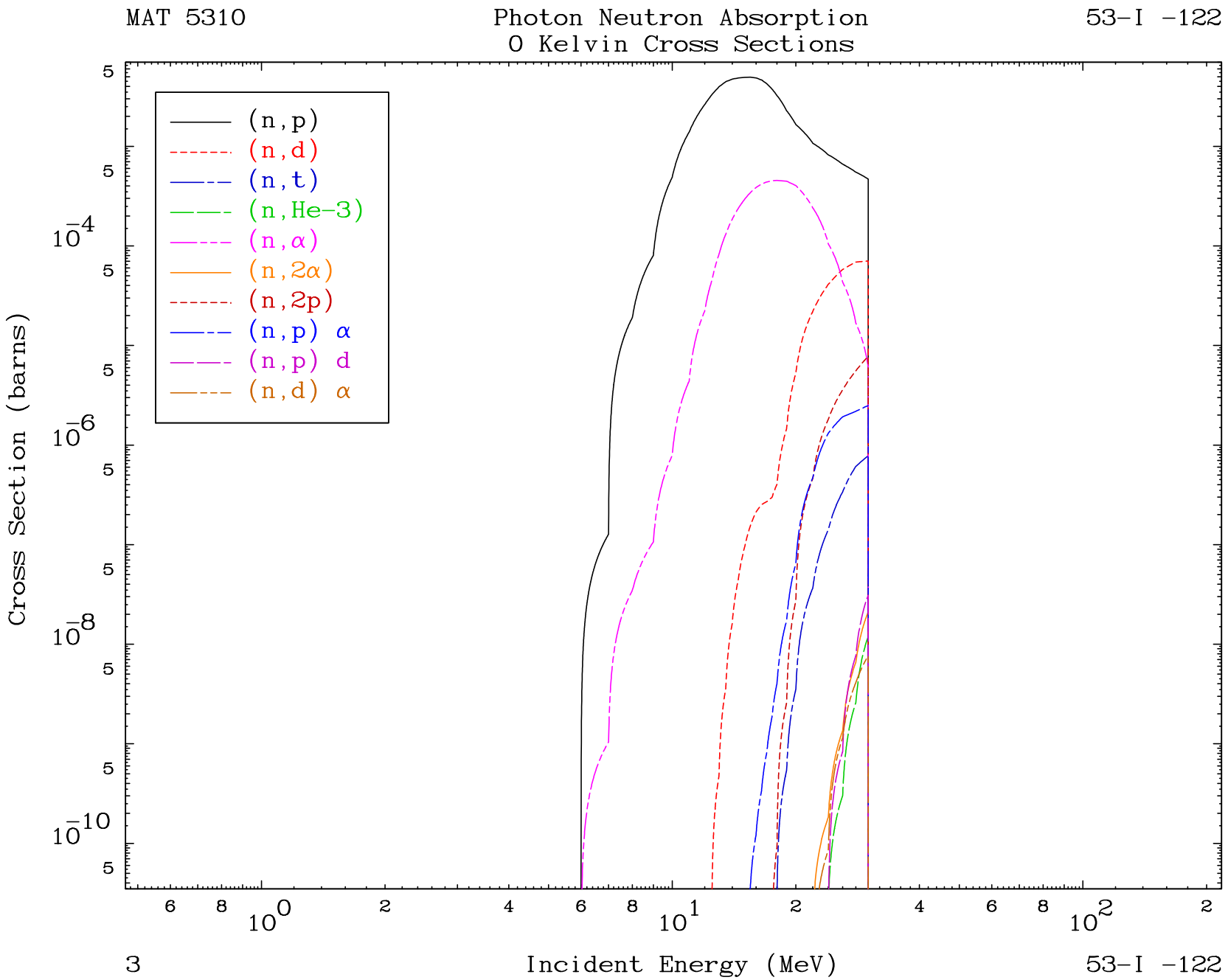
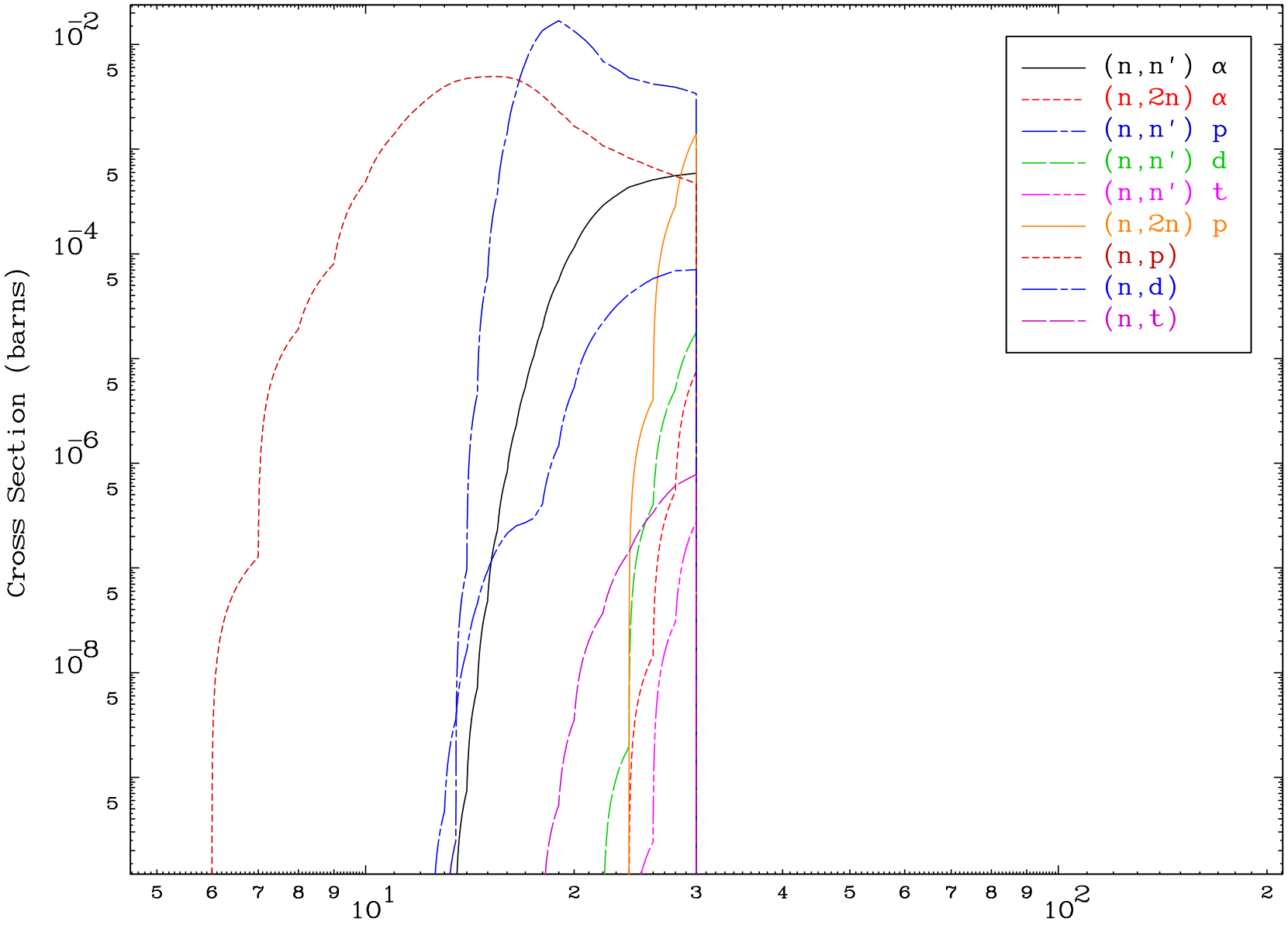
Press Mouse Button to Start

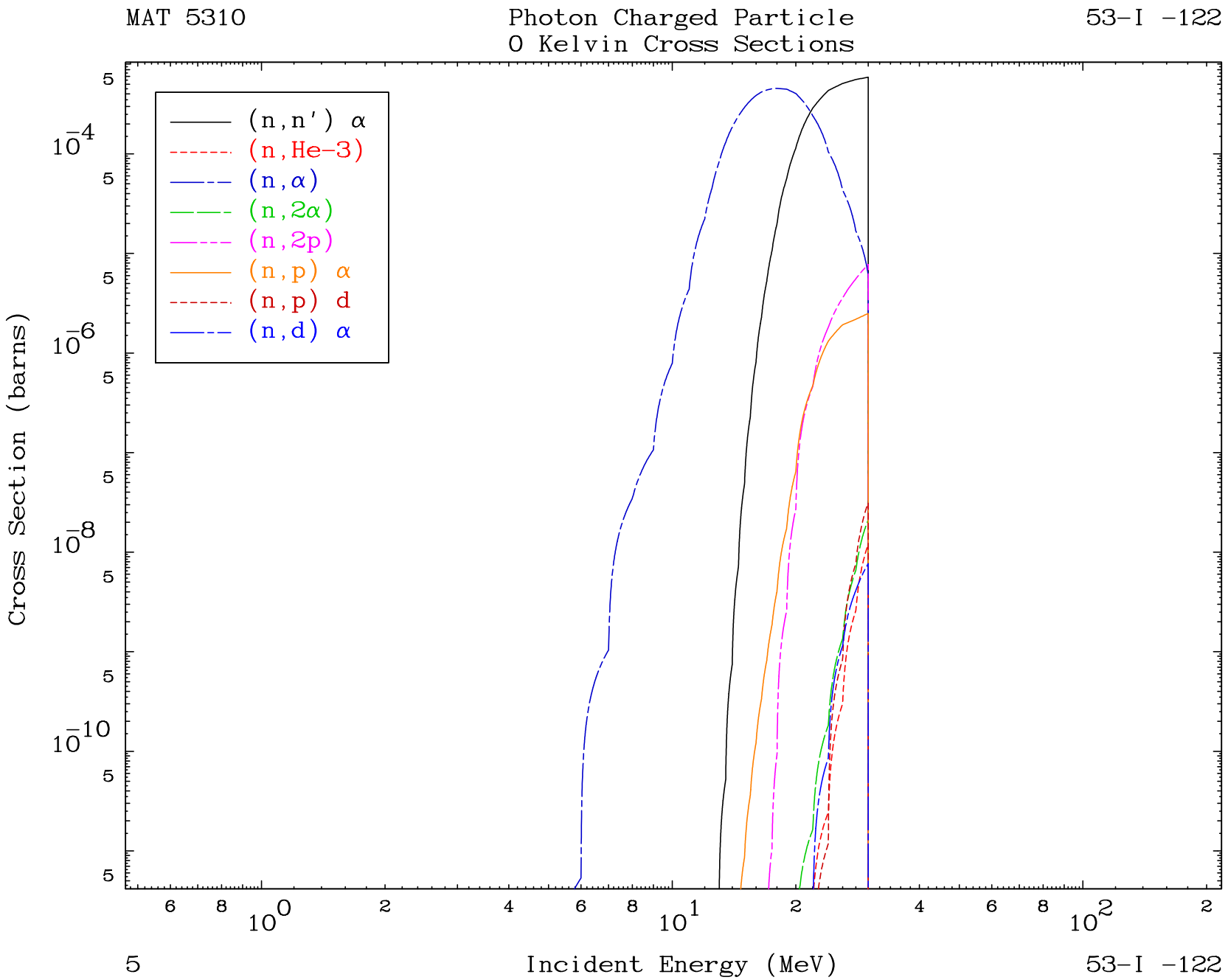

MAT 5310
Photon Major
53-I -122
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
53-I -122

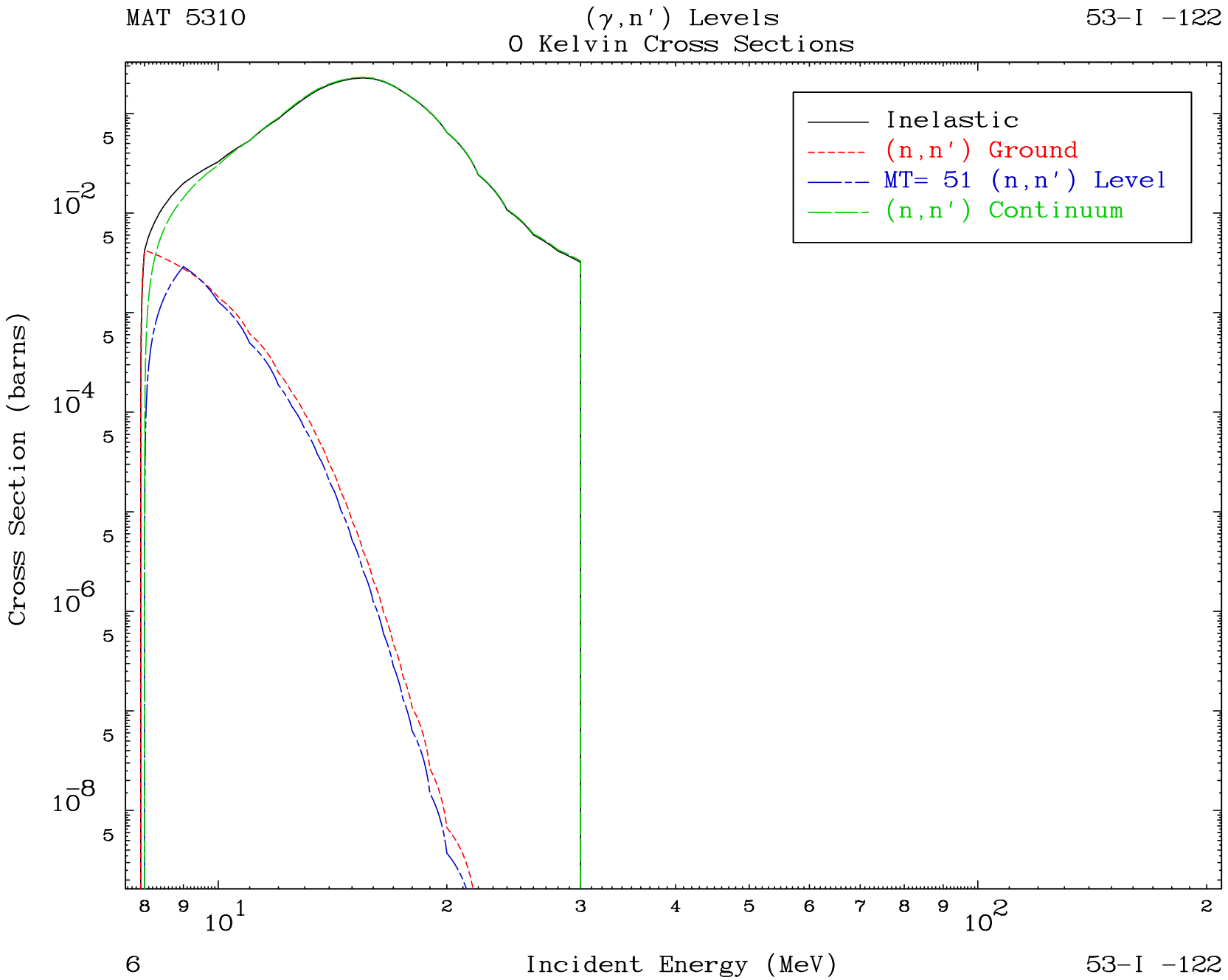

MAT 5310
Photon Neutron Absorption
0 Kelvin Cross Sections
53-I -122
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
2
53-I -122

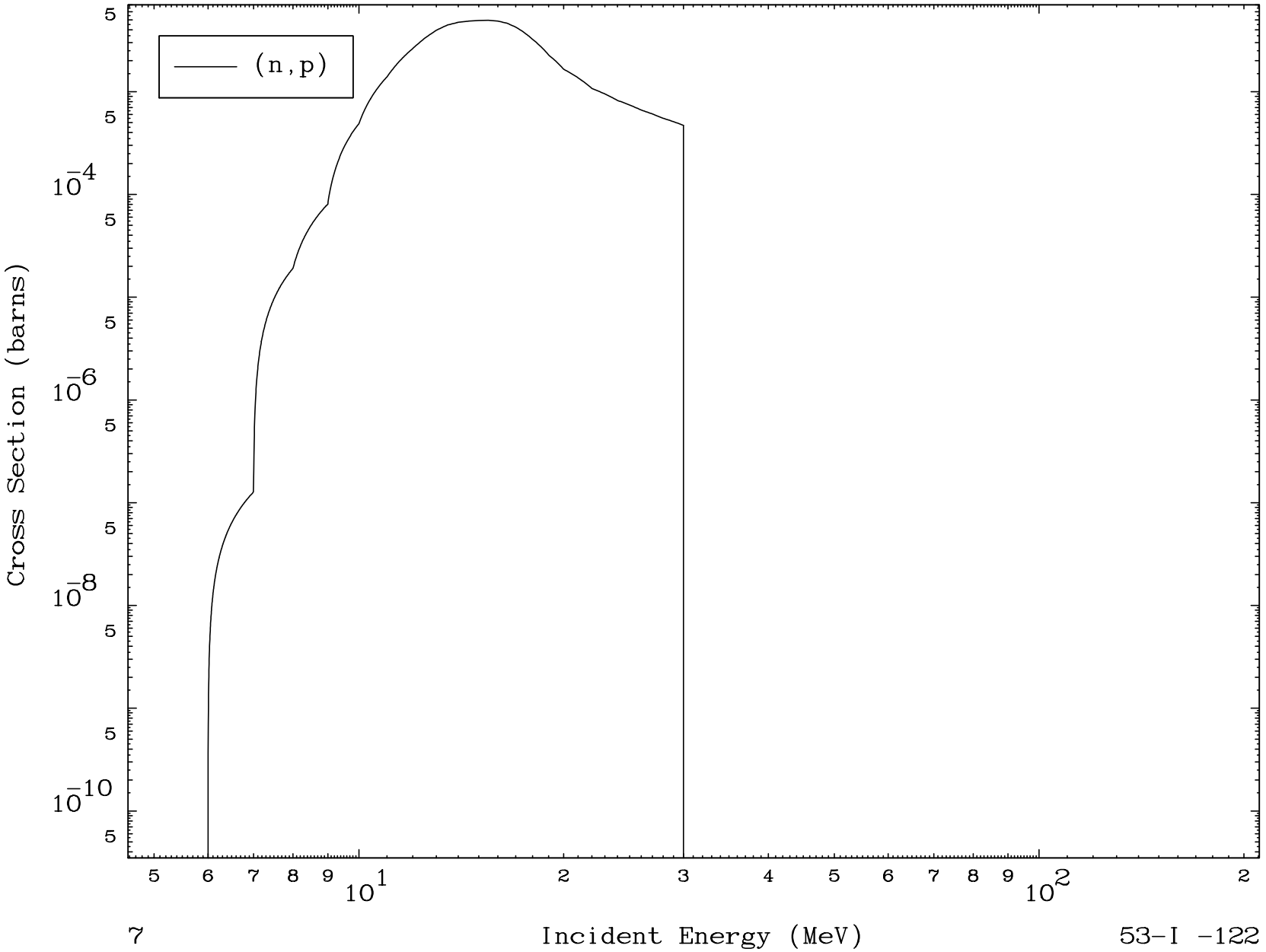

MAT 5310
Photon Neutron Absorption
0 Kelvin Cross Sections
53-I -122
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
53-I -122

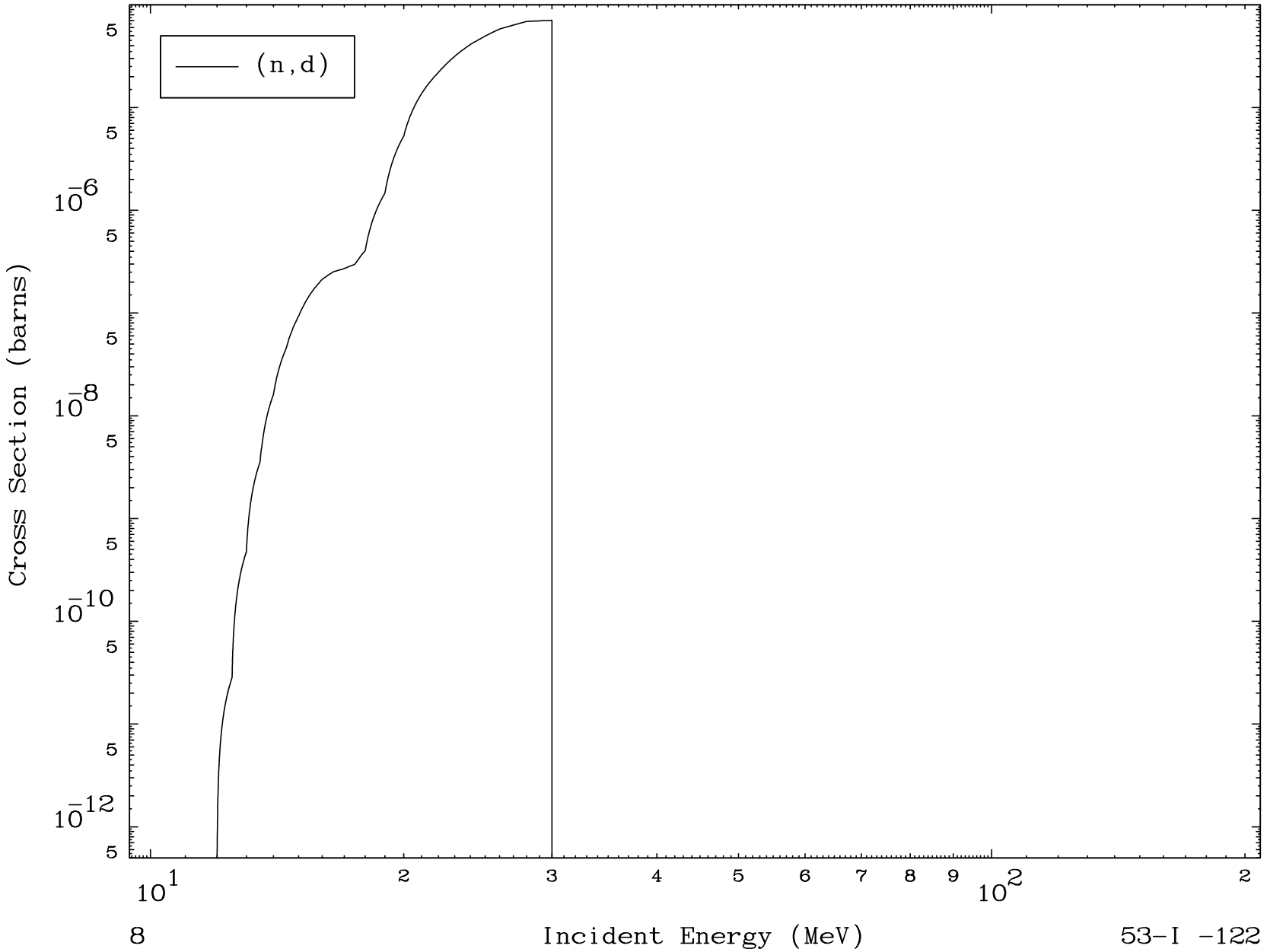
0 Kelvin Cross Sections

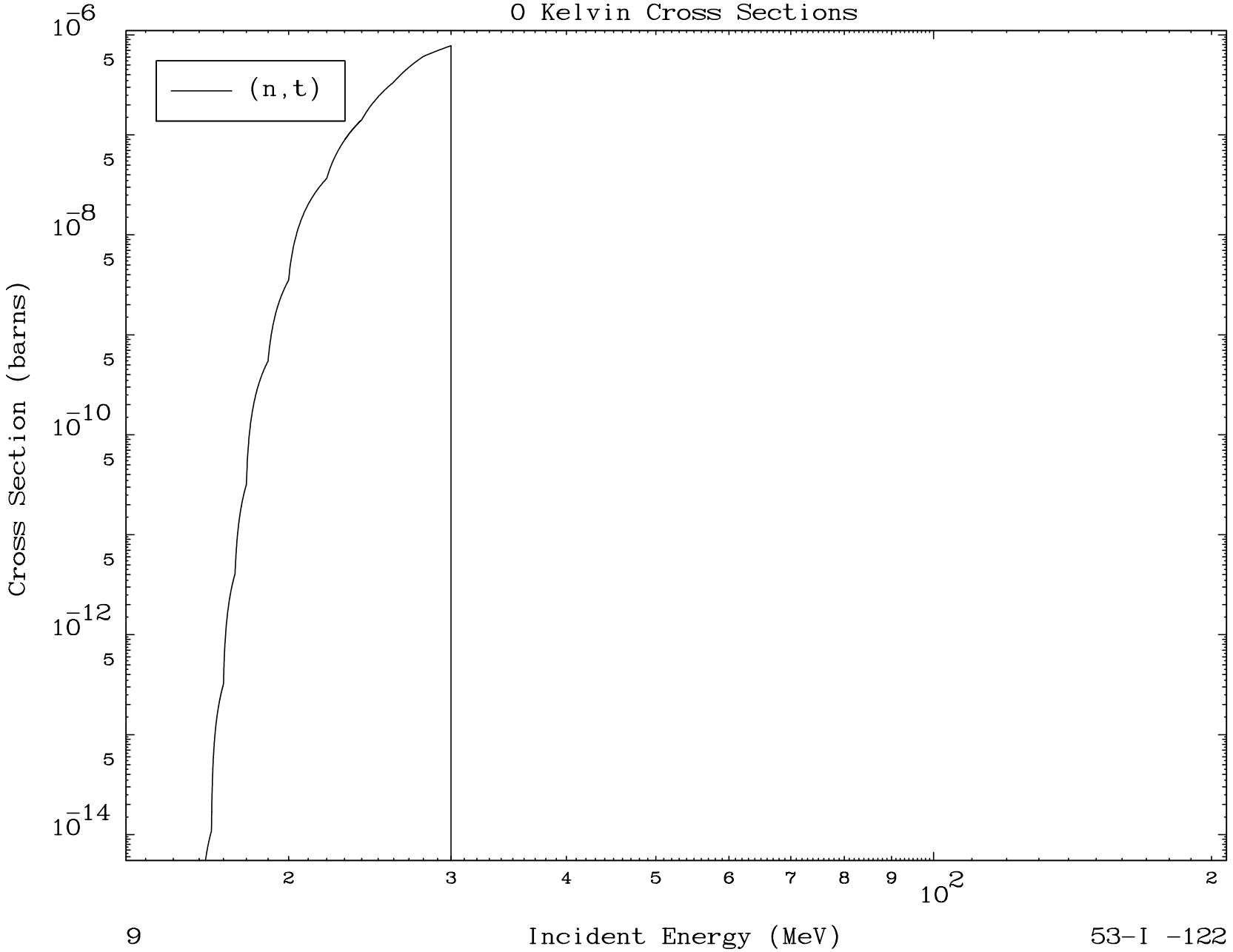


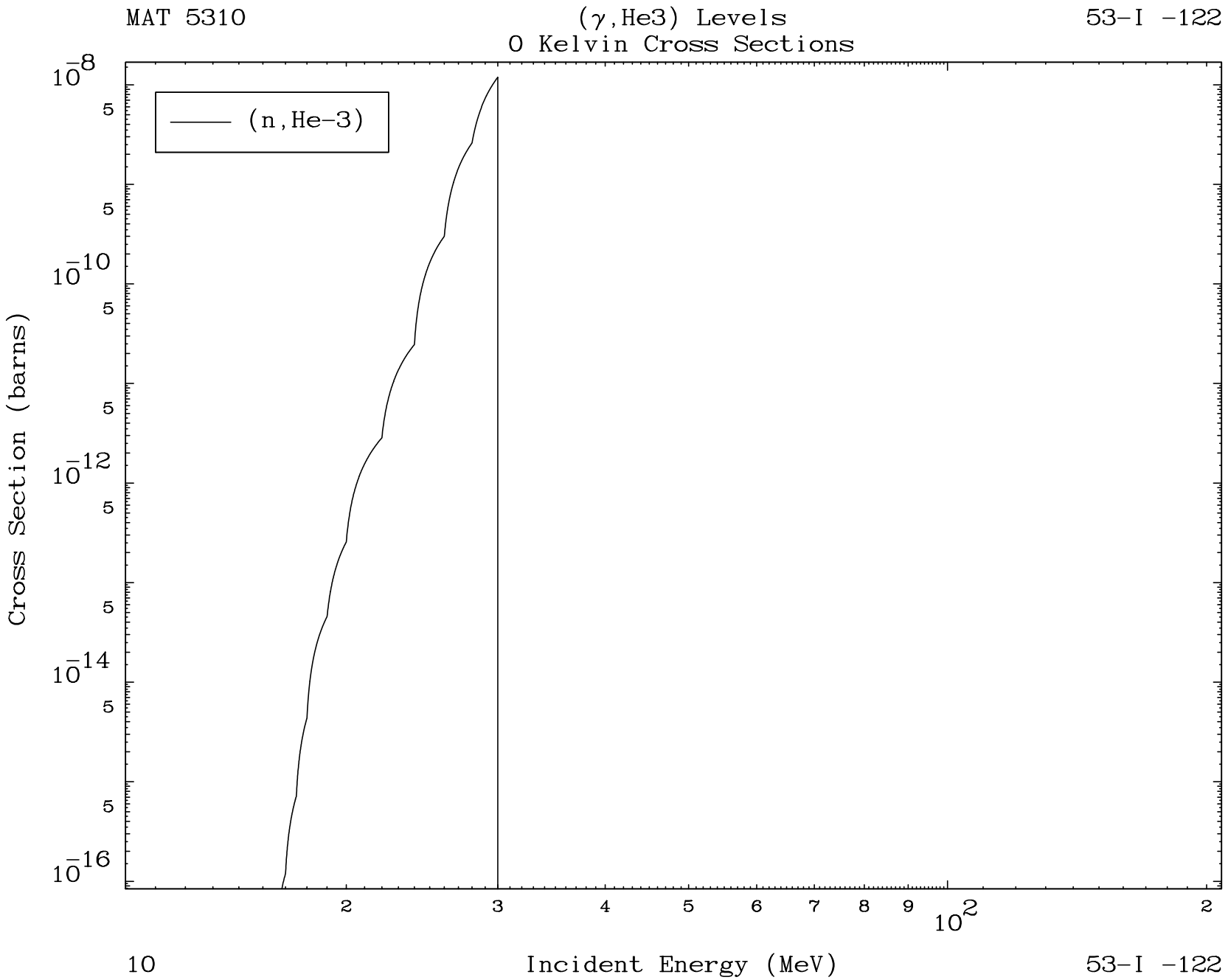

MAT 5310
Photon Charged Particle
0 Kelvin Cross Sections
53-I -122
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
53-I -122

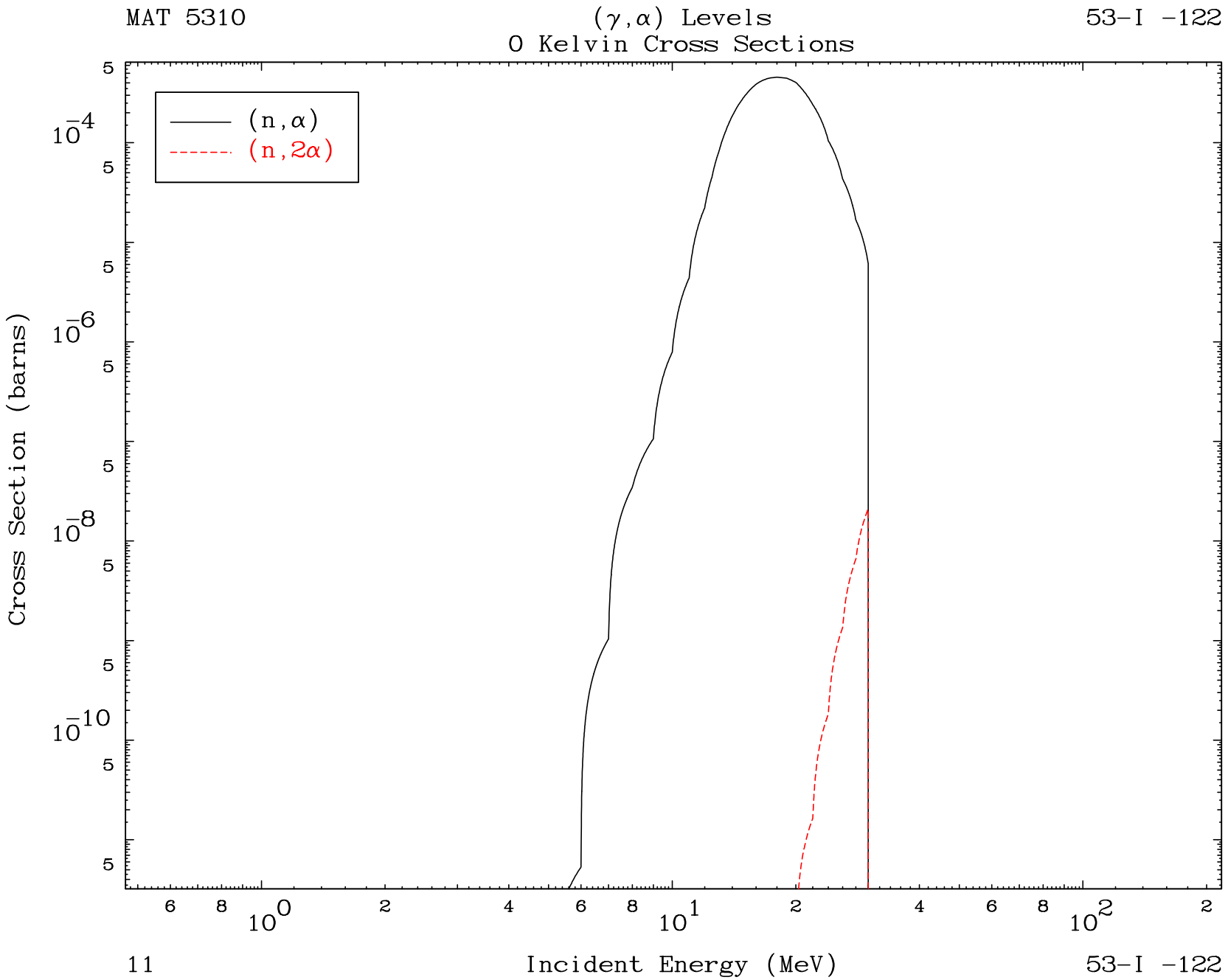

MAT 5310
(γ,n') Levels
0 Kelvin Cross Sections
53-I -122
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
6
53-I -122

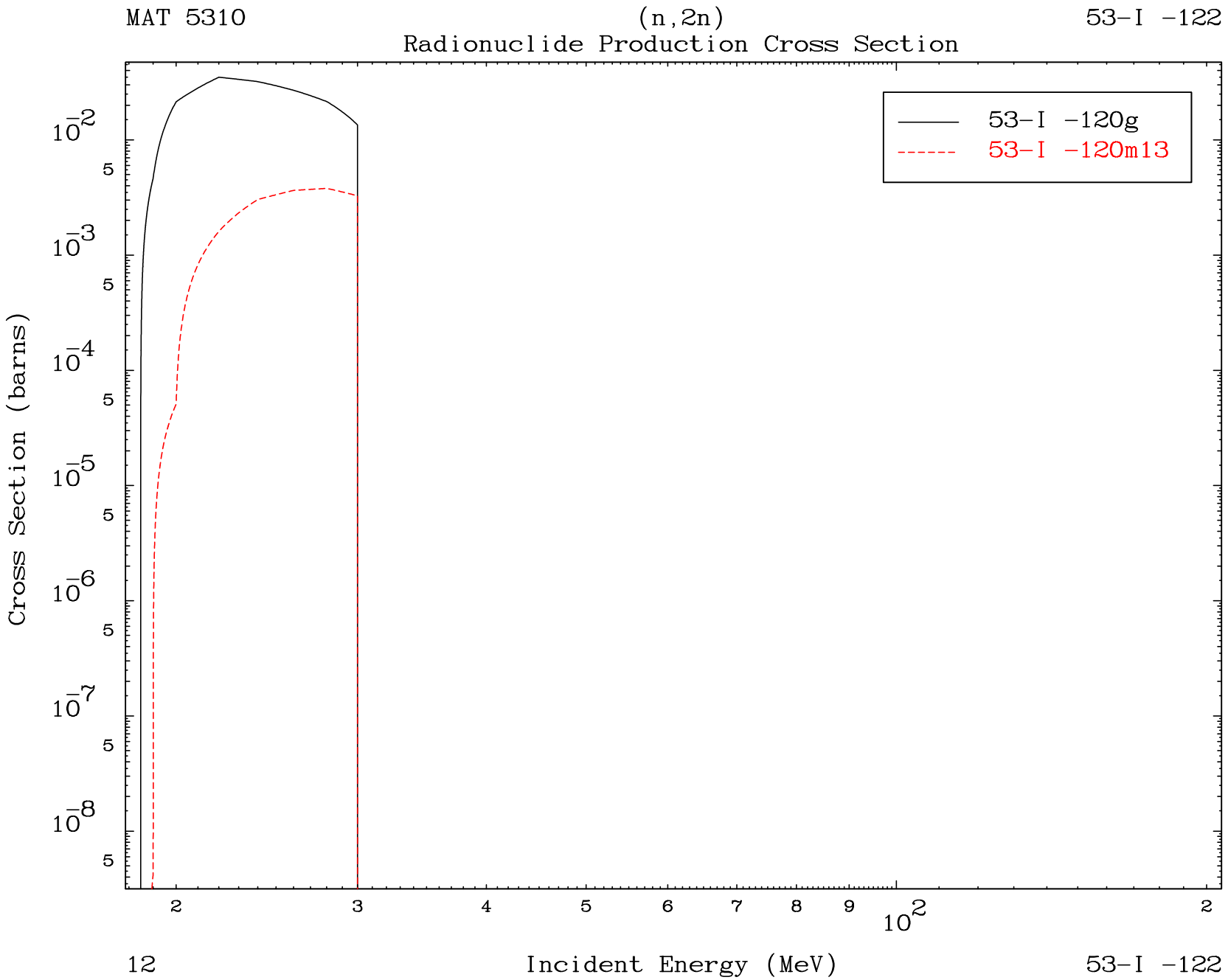

0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
6
7
8
9
10 1
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

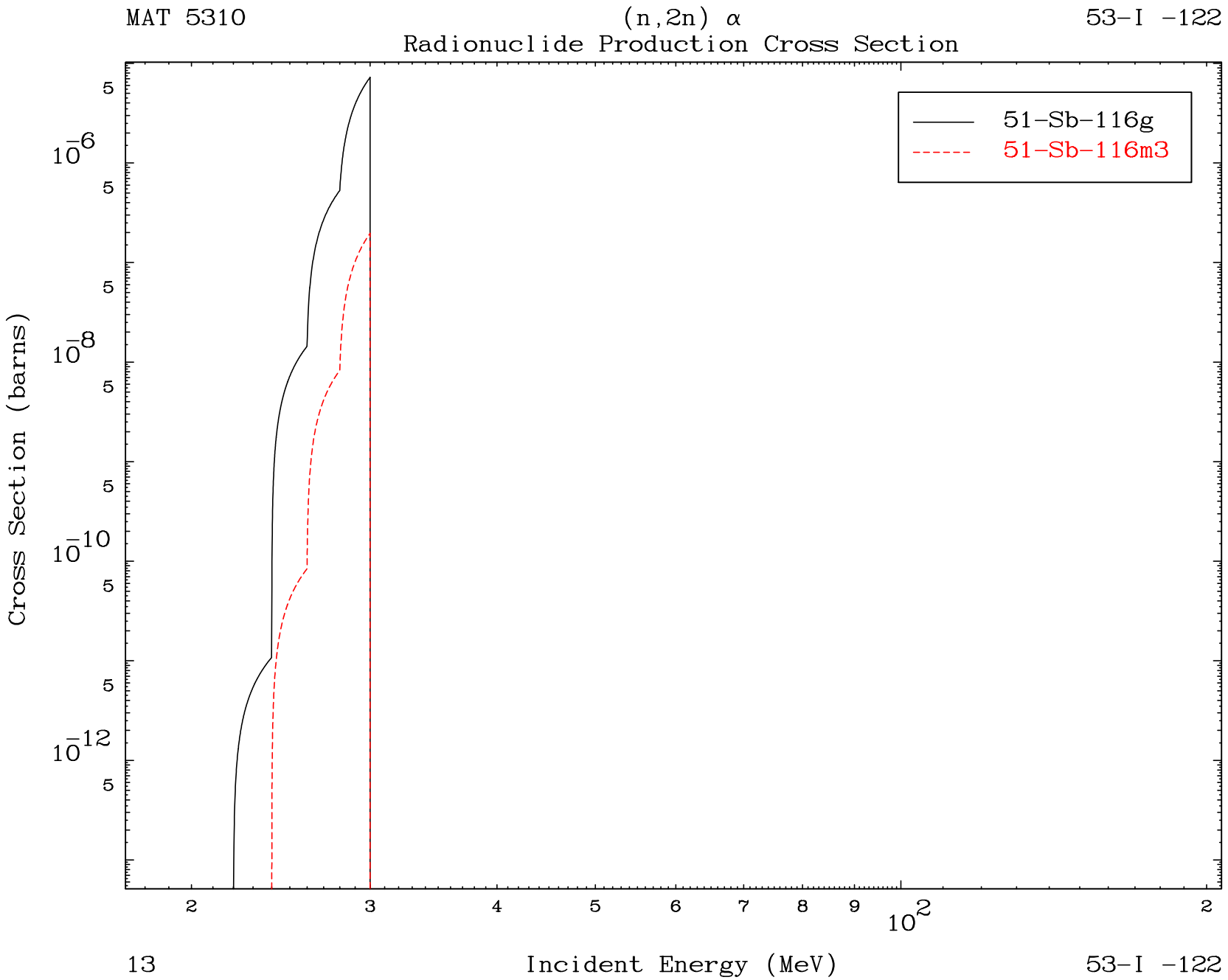

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

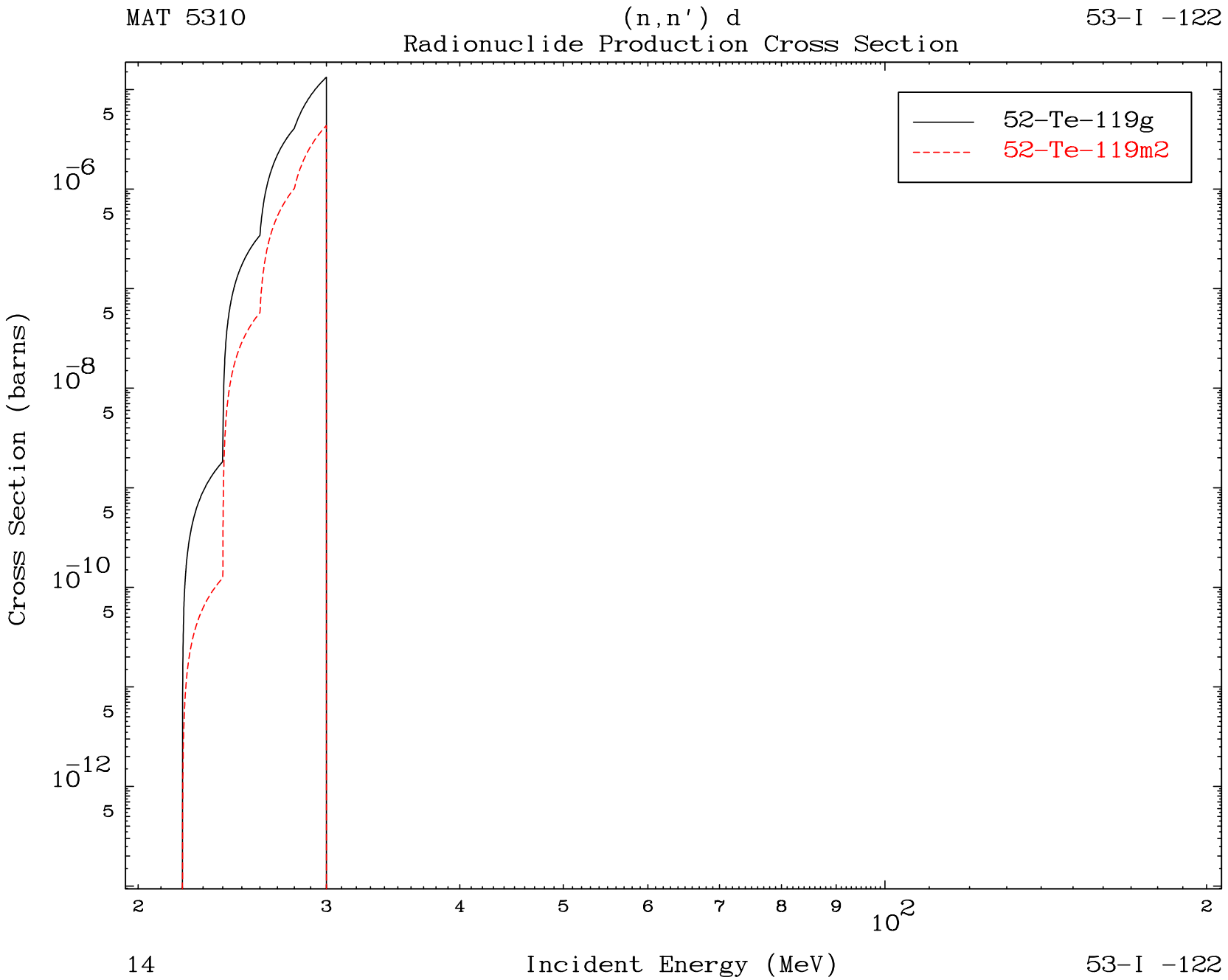

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-6
5
10^-8
5
10^-10
5
10^-12
5
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

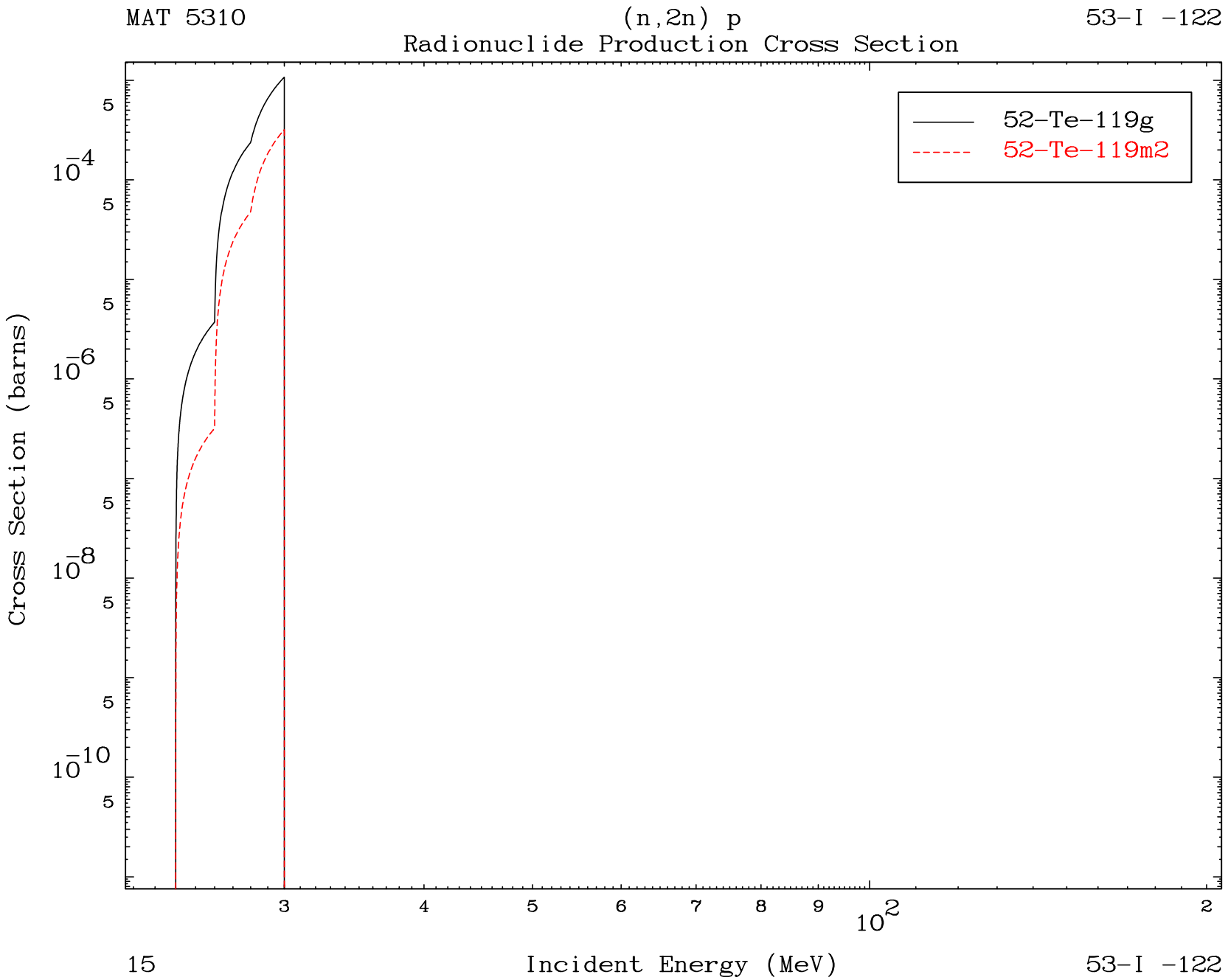

MAT 5310
(γ,He3) Levels
53-I -122
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
53-I -122

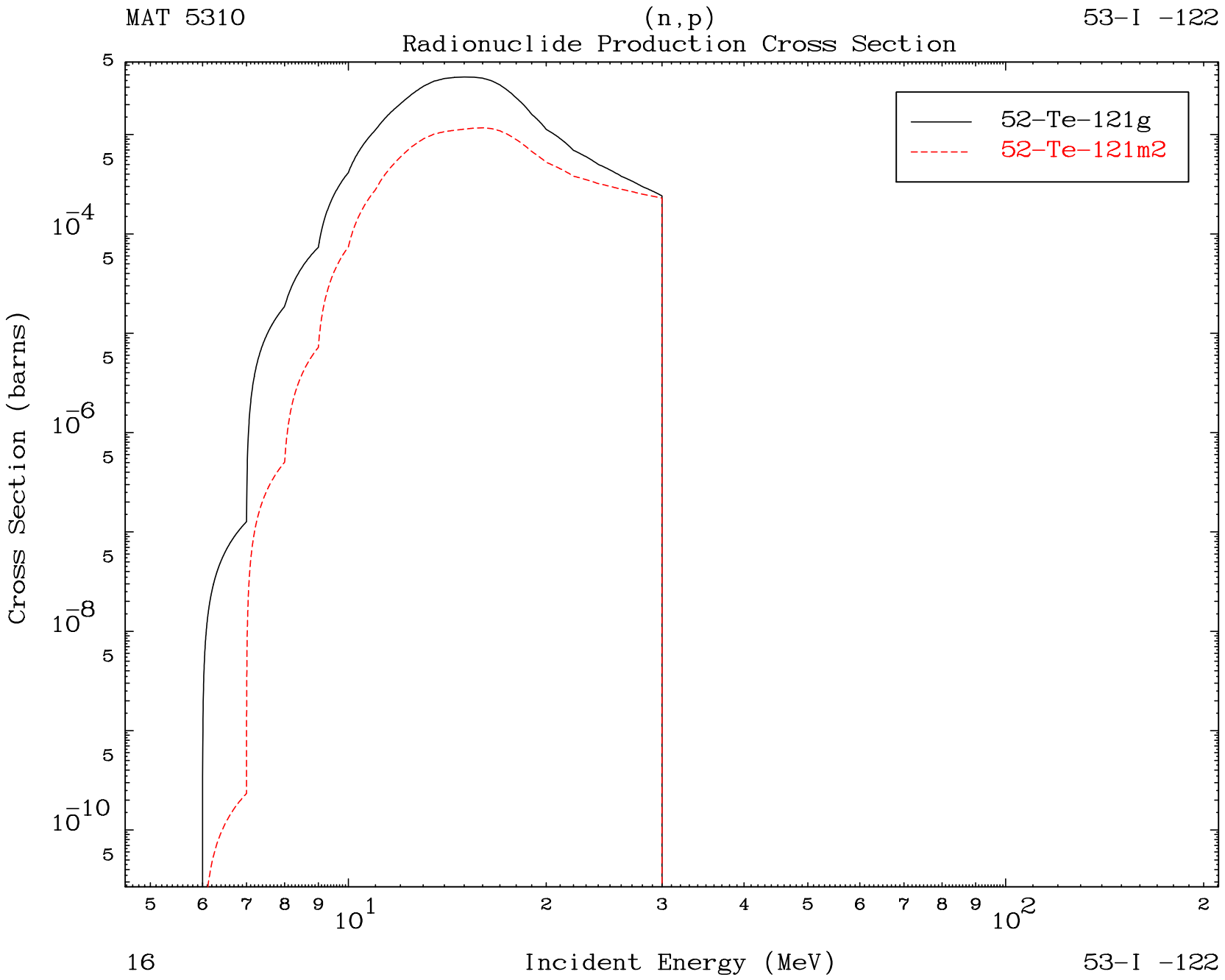

MAT 5310
(γ,α) Levels
53-I -122
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
53-I -122

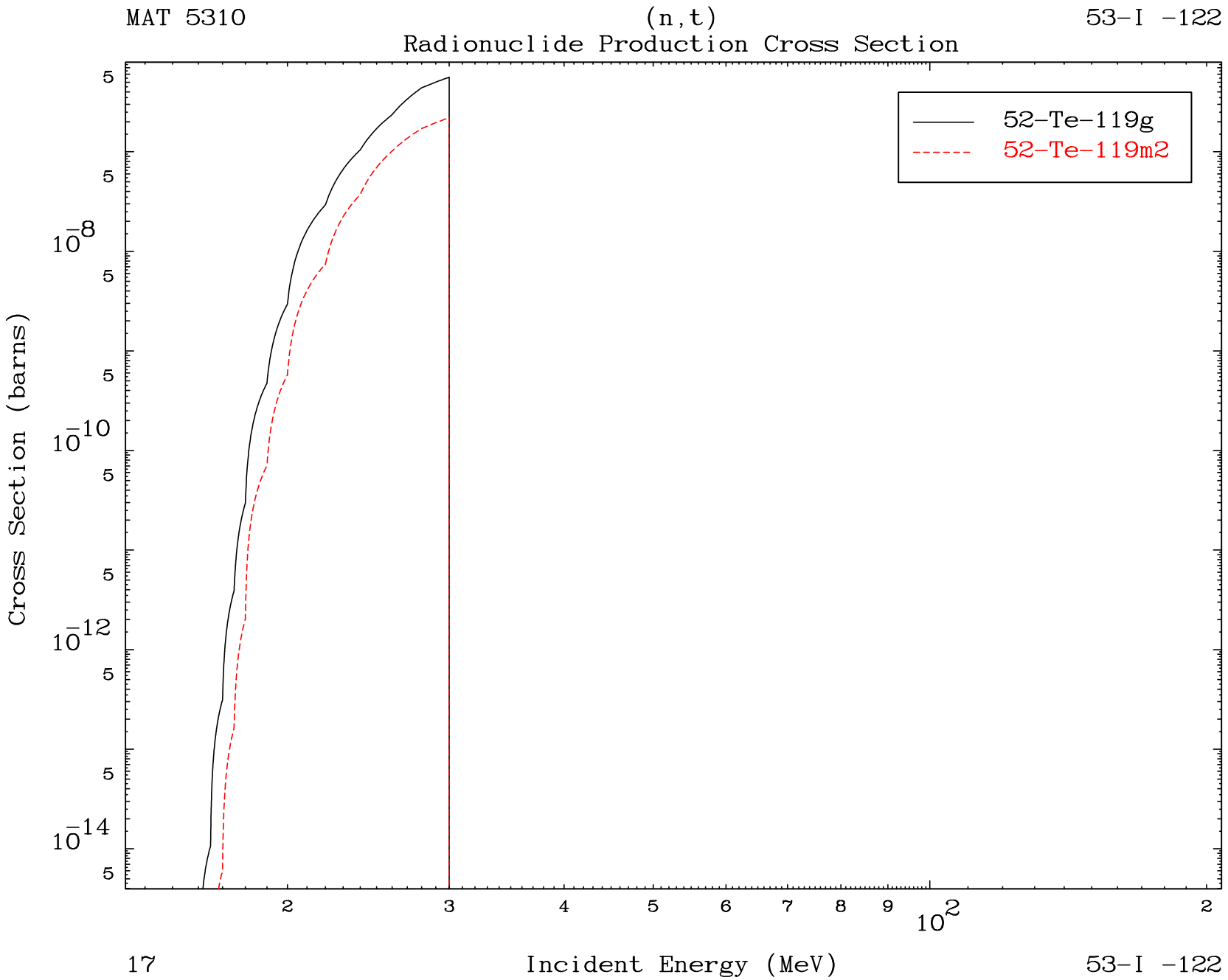

MAT 5310
(n,2n)
53-I -122
Radionuclide Production Cross Section
53-I -120g
53-I -120m13
Cross Section (barns)
10-2
10-3
10-4
10-5
10-6
10-7
10-8
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
53-I -122

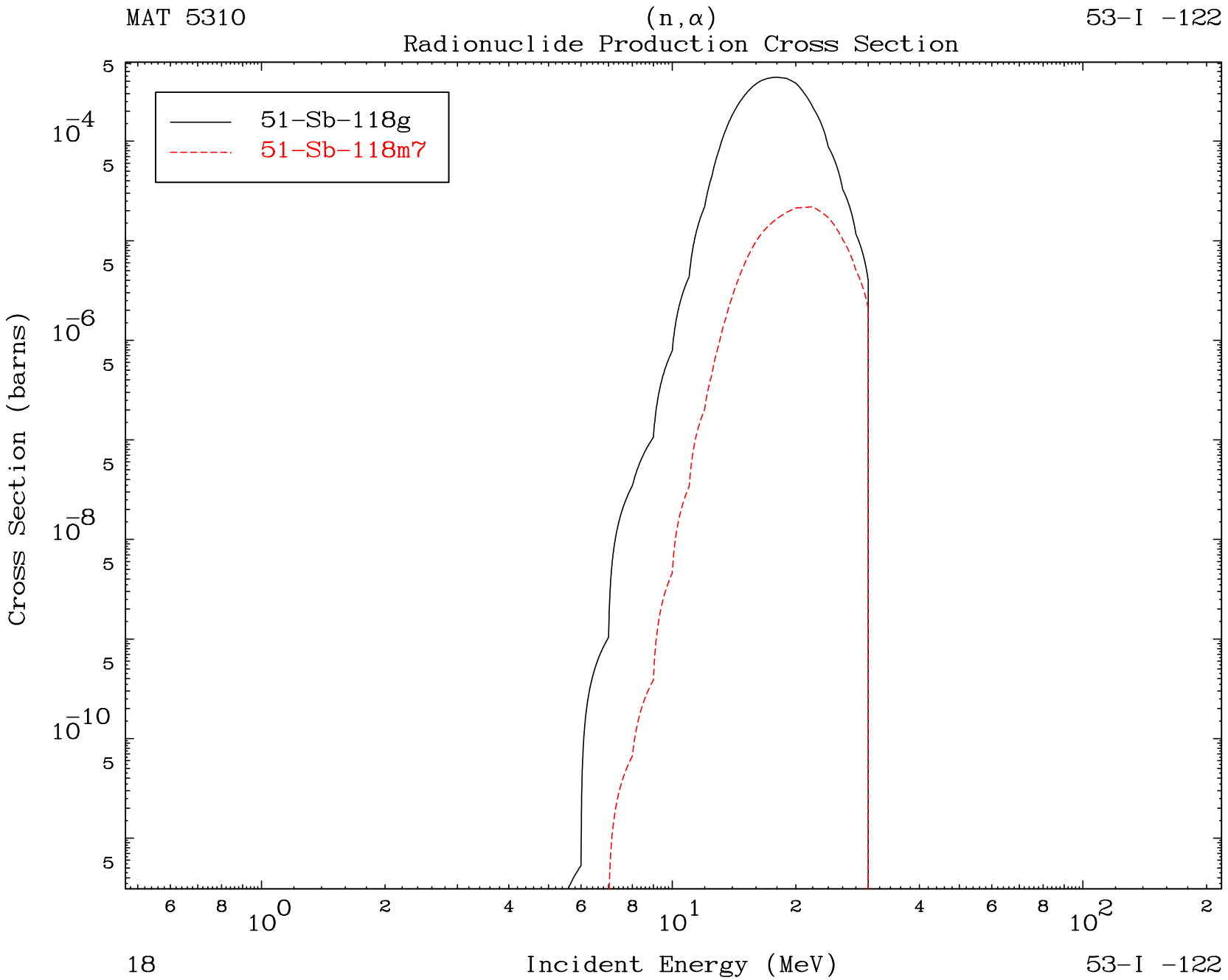

MAT 5310
(n,2n) α
53-I -122
Radionuclide Production Cross Section
51-Sb-116g
51-Sb-116m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
53-I -122

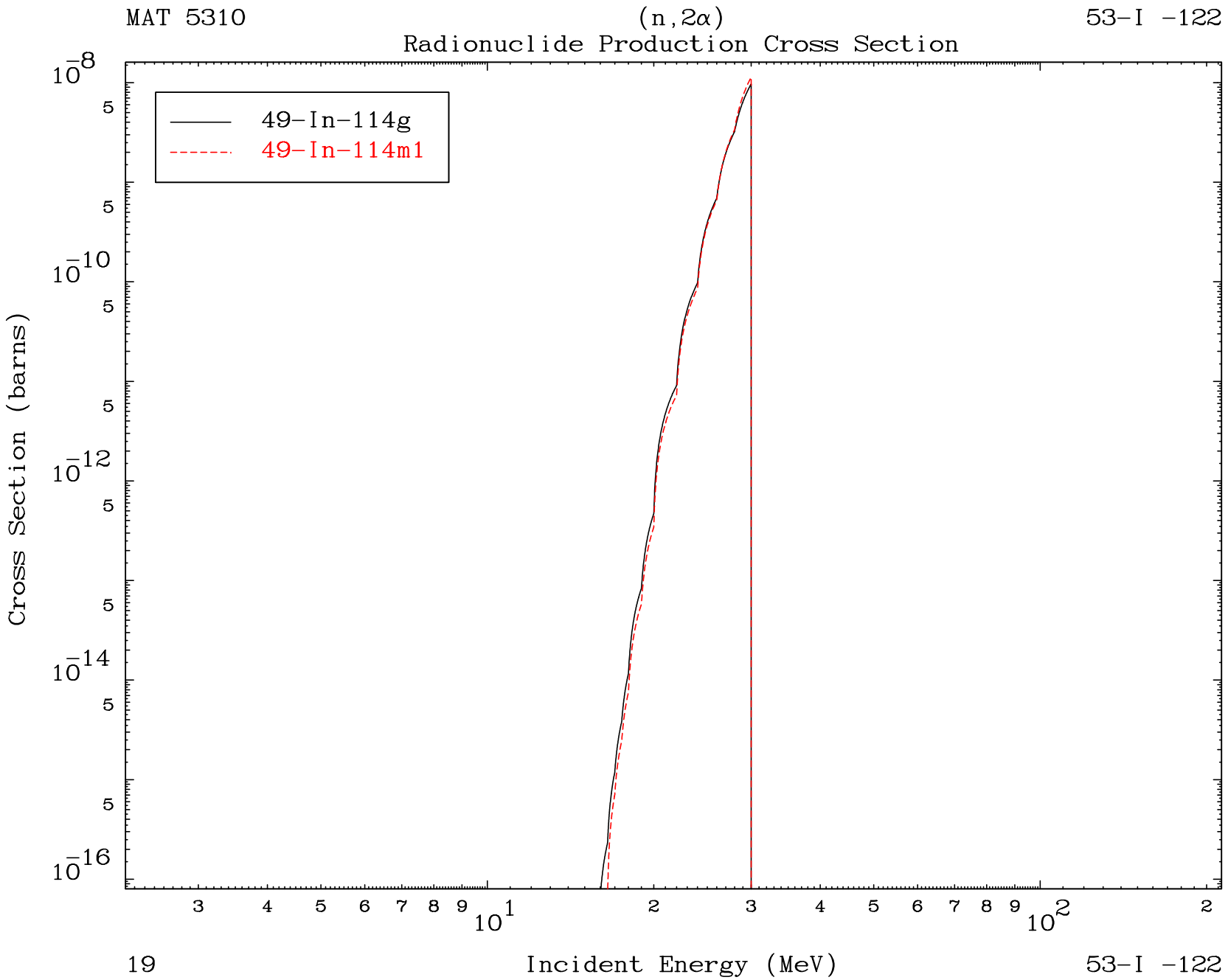

MAT 5310
(n,n') d
53-I -122
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
53-I -122

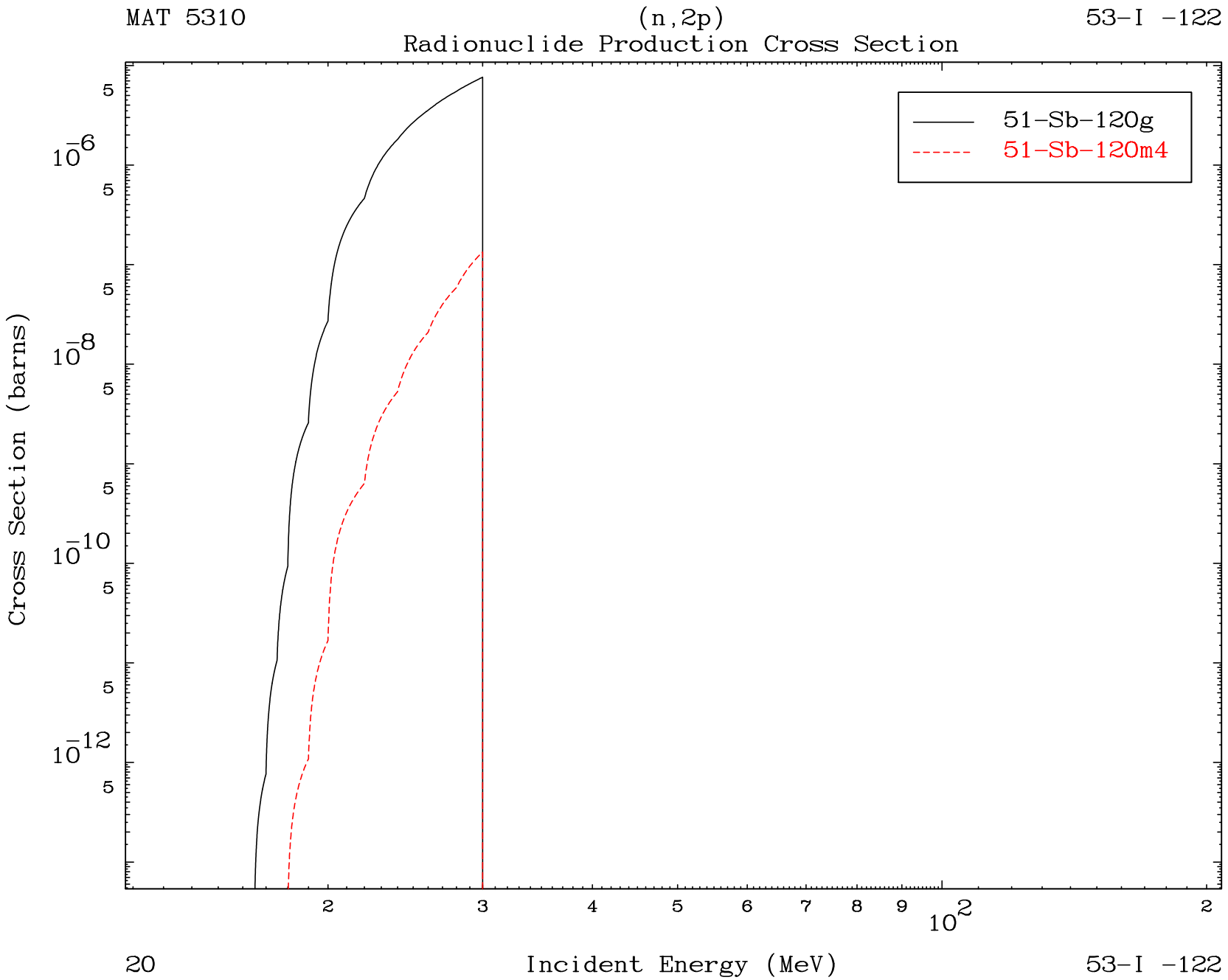

MAT 5310
(n,2n) p
53-I -122
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
53-I -122

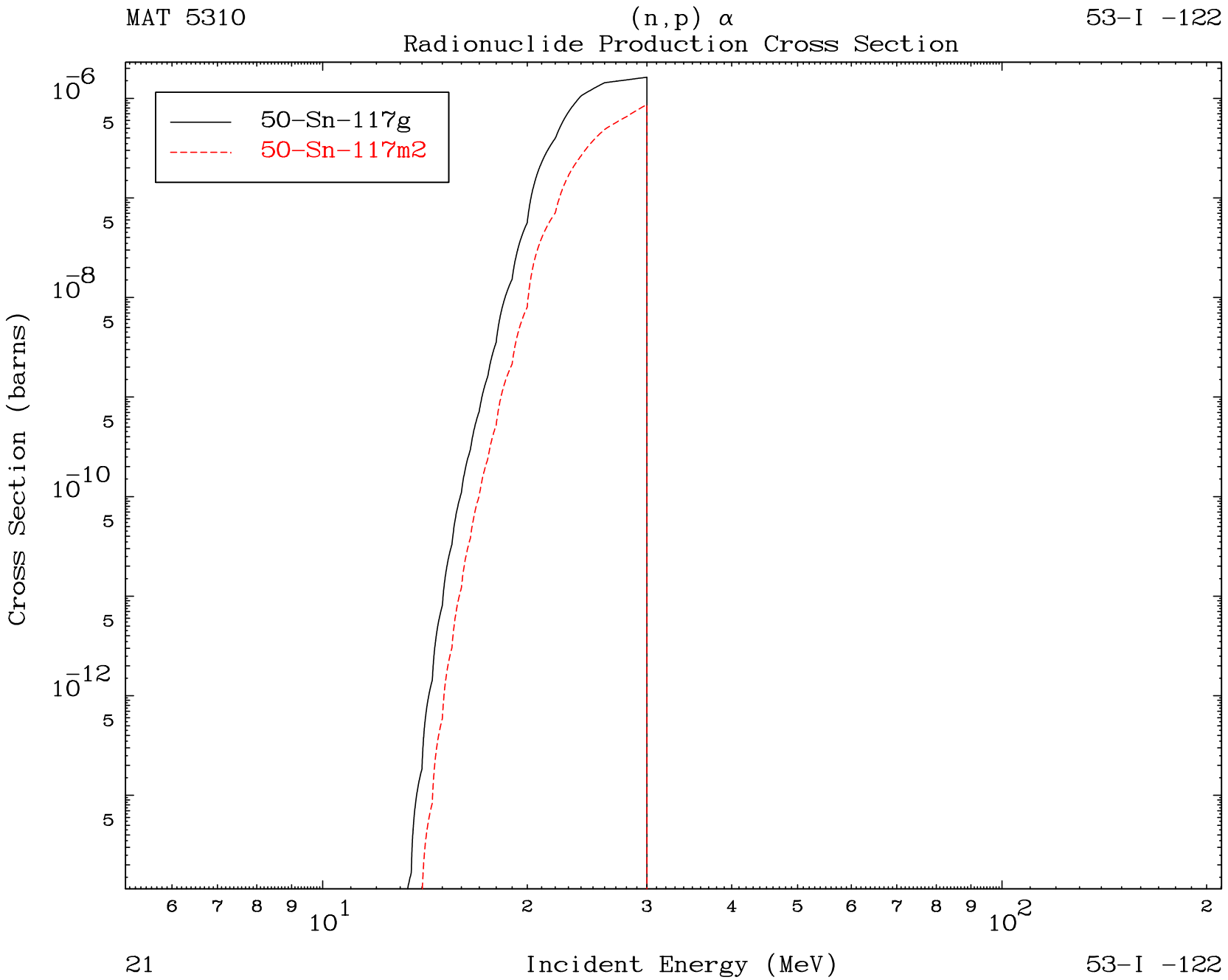

MAT 5310
(n,p)
53-I -122
Radionuclide Production Cross Section
52-Te-121g
52-Te-121m2
Cross Section (barns)
Incident Energy (MeV)
16
53-I -122


MAT 5310
(n,t)
53-I -122
Radionuclide Production Cross Section
52-Te-119g
52-Te-119m2
Cross Section (barns)
Incident Energy (MeV)
17
53-I -122


MAT 5310
(n,α)
53-I -122
Radionuclide Production Cross Section
51-Sb-118g
51-Sb-118m7
Cross Section (barns)
Incident Energy (MeV)
18
53-I -122


MAT 5310
(n,2α)
53-I -122
Radionuclide Production Cross Section
49-In-114g
49-In-114m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
10^-16
5
3 4 5 6 7 8 9
10^1
2 3 4 5 6 7 8 9
10^2
2
19
Incident Energy (MeV)
53-I -122


MAT 5310
(n,2p)
53-I -122
Radionuclide Production Cross Section
51-Sb-120g
51-Sb-120m4
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
53-I -122


MAT 5310
(n,p) α
53-I -122
Radionuclide Production Cross Section
50-Sn-117g
50-Sn-117m2
Cross Section (barns)
Incident Energy (MeV)
21
53-I -122