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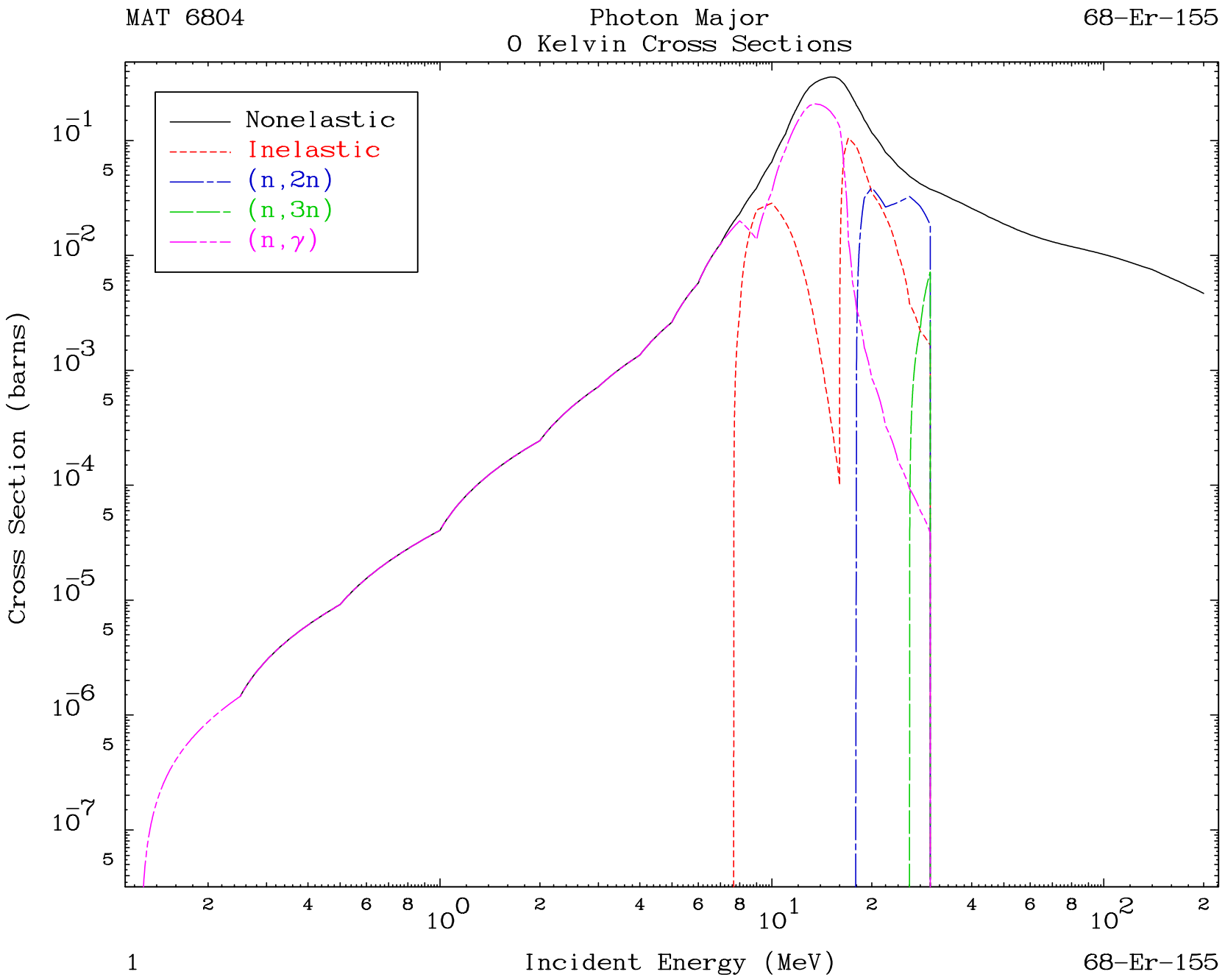
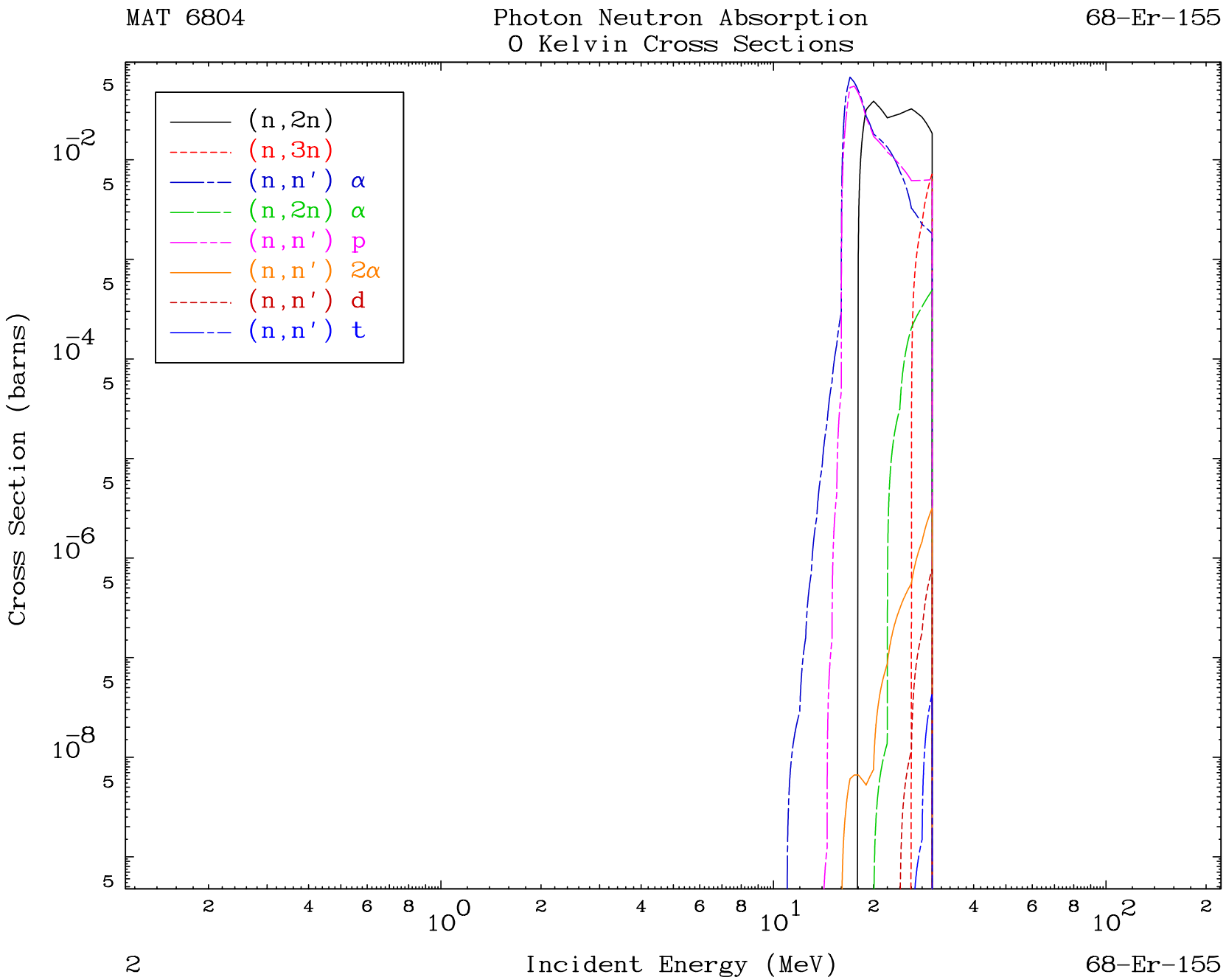
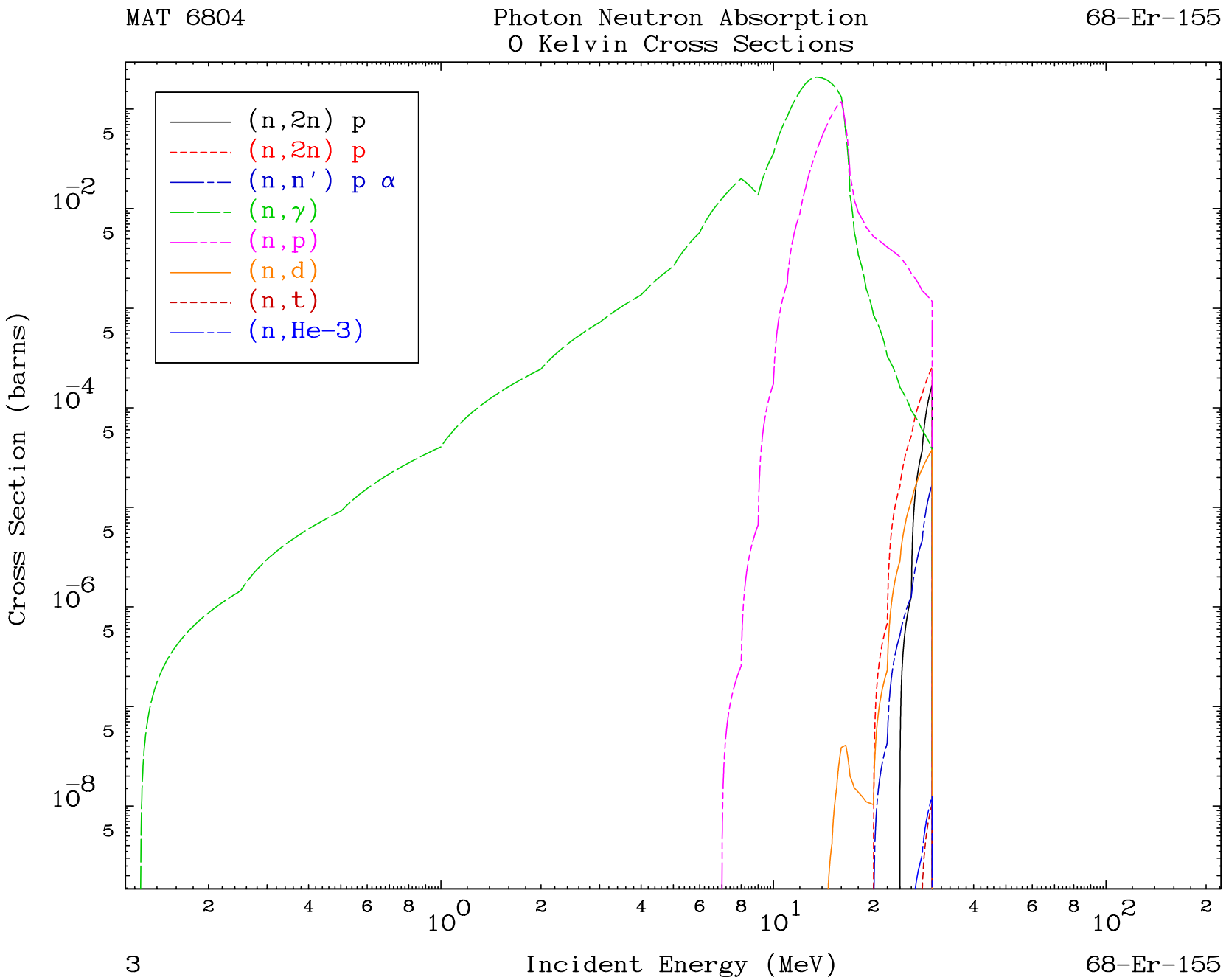
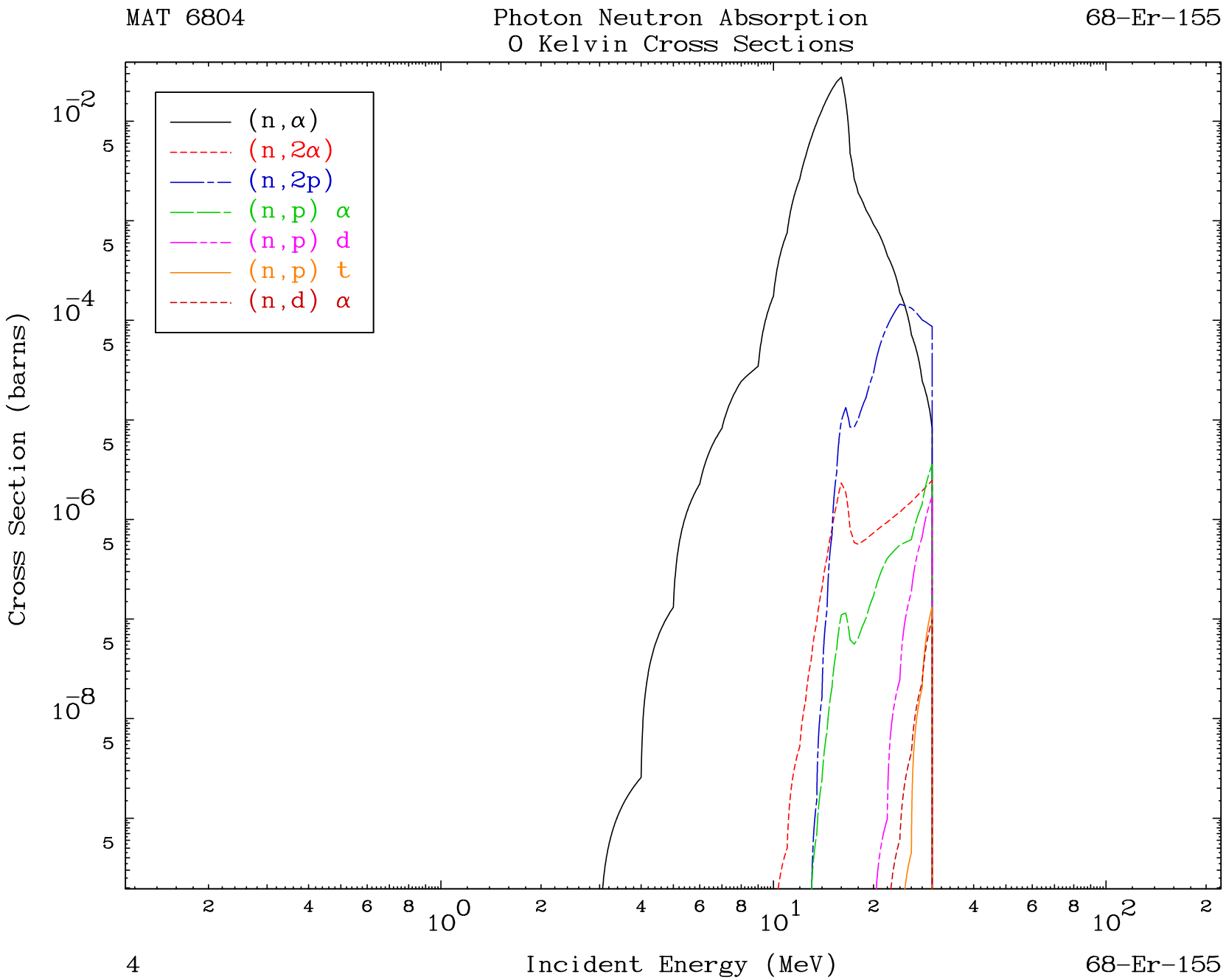
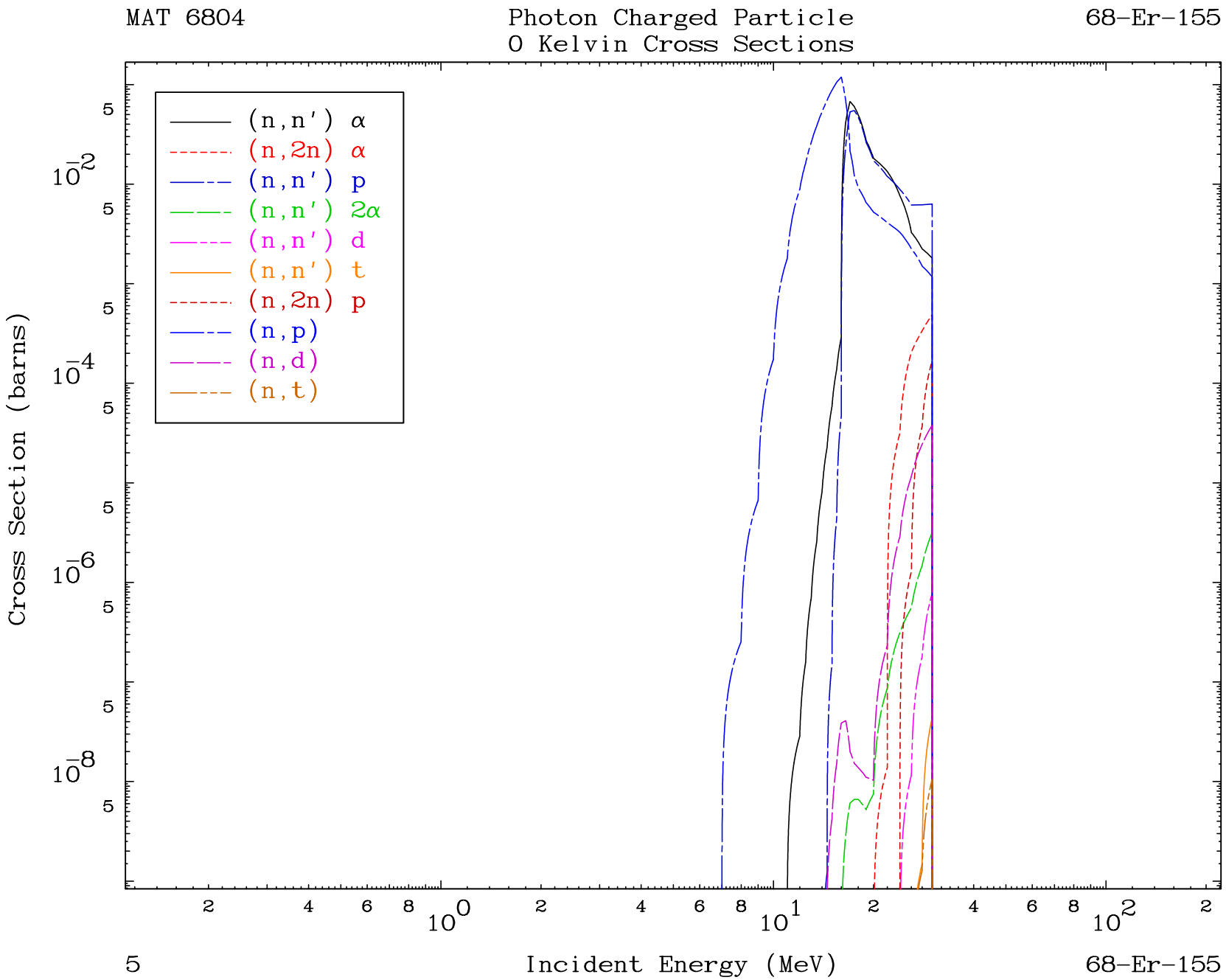
Press Mouse Button to Start

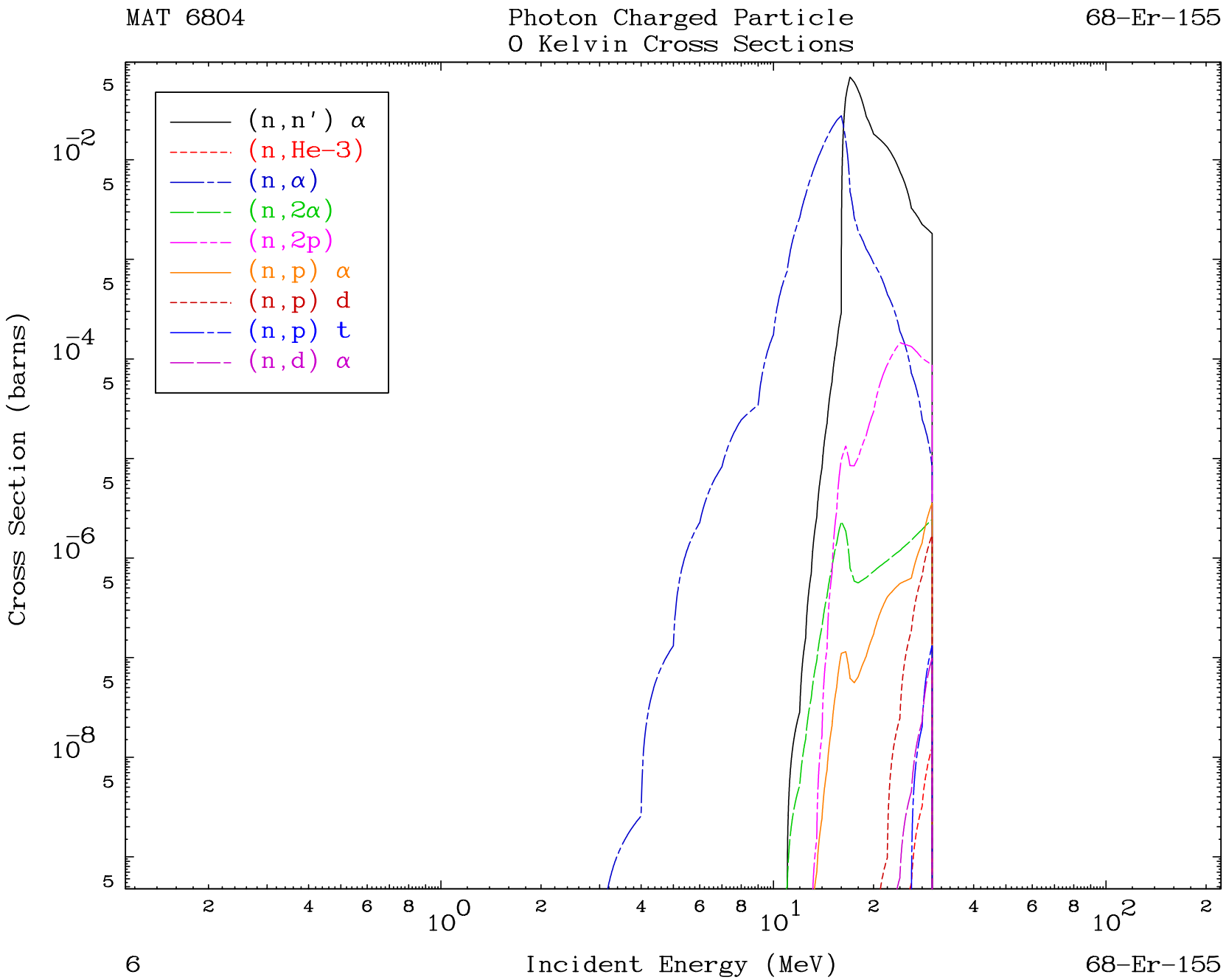

MAT 6804
Photon Major
68-Er-155
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
68-Er-155
1

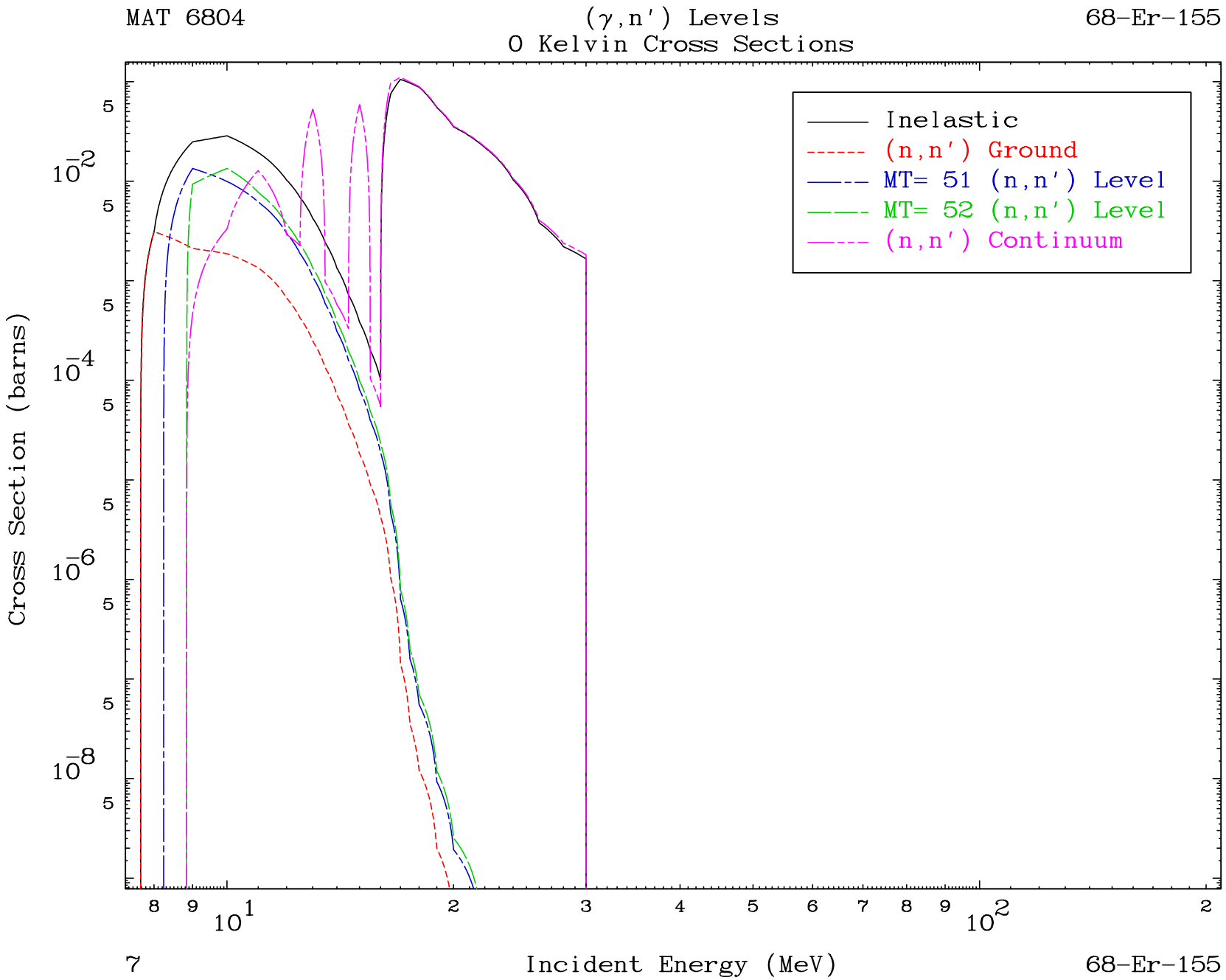

MAT 6804
Photon Neutron Absorption
0 Kelvin Cross Sections
68-Er-155
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
68-Er-155
2

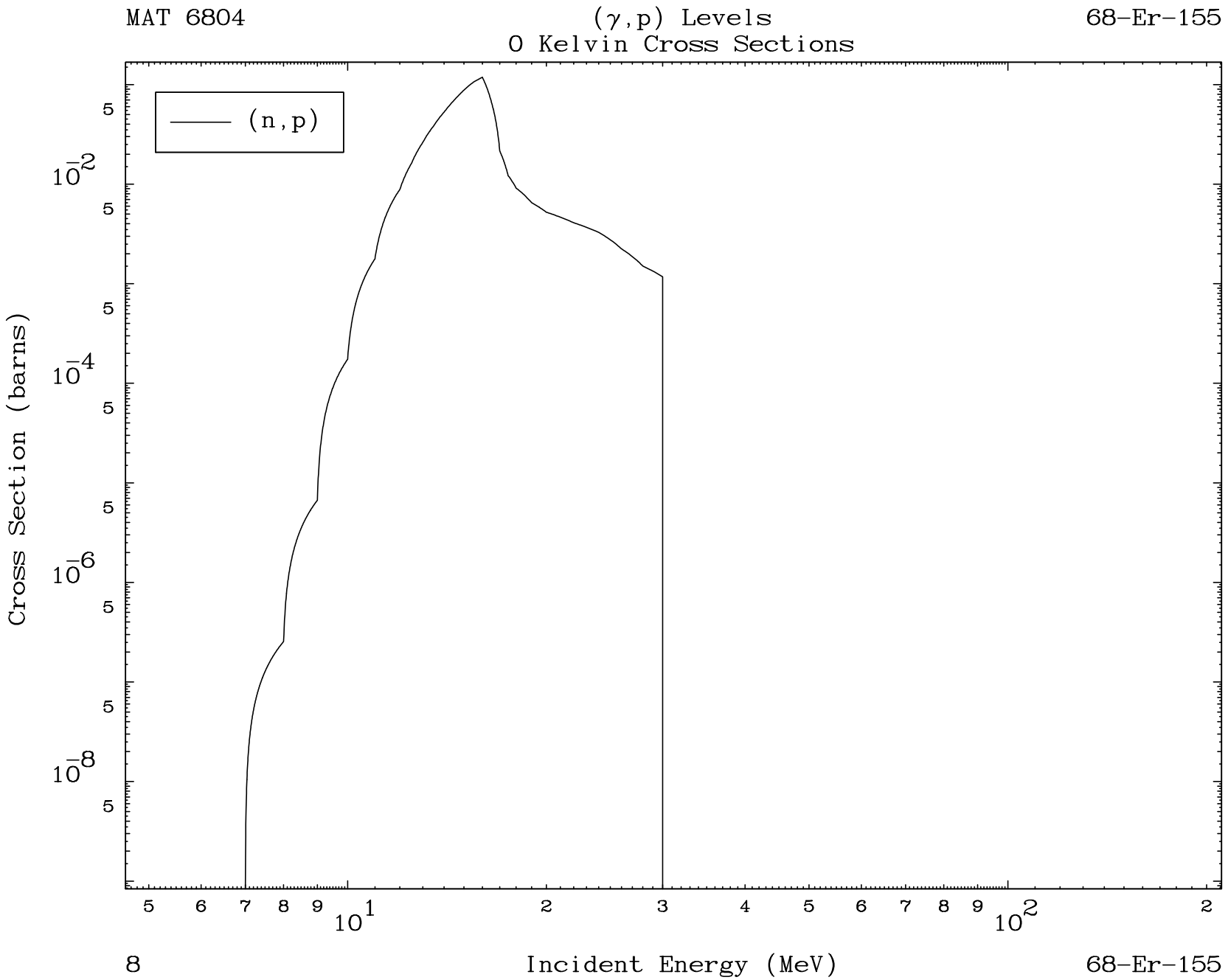

MAT 6804
Photon Neutron Absorption
0 Kelvin Cross Sections
68-Er-155
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
3
68-Er-155

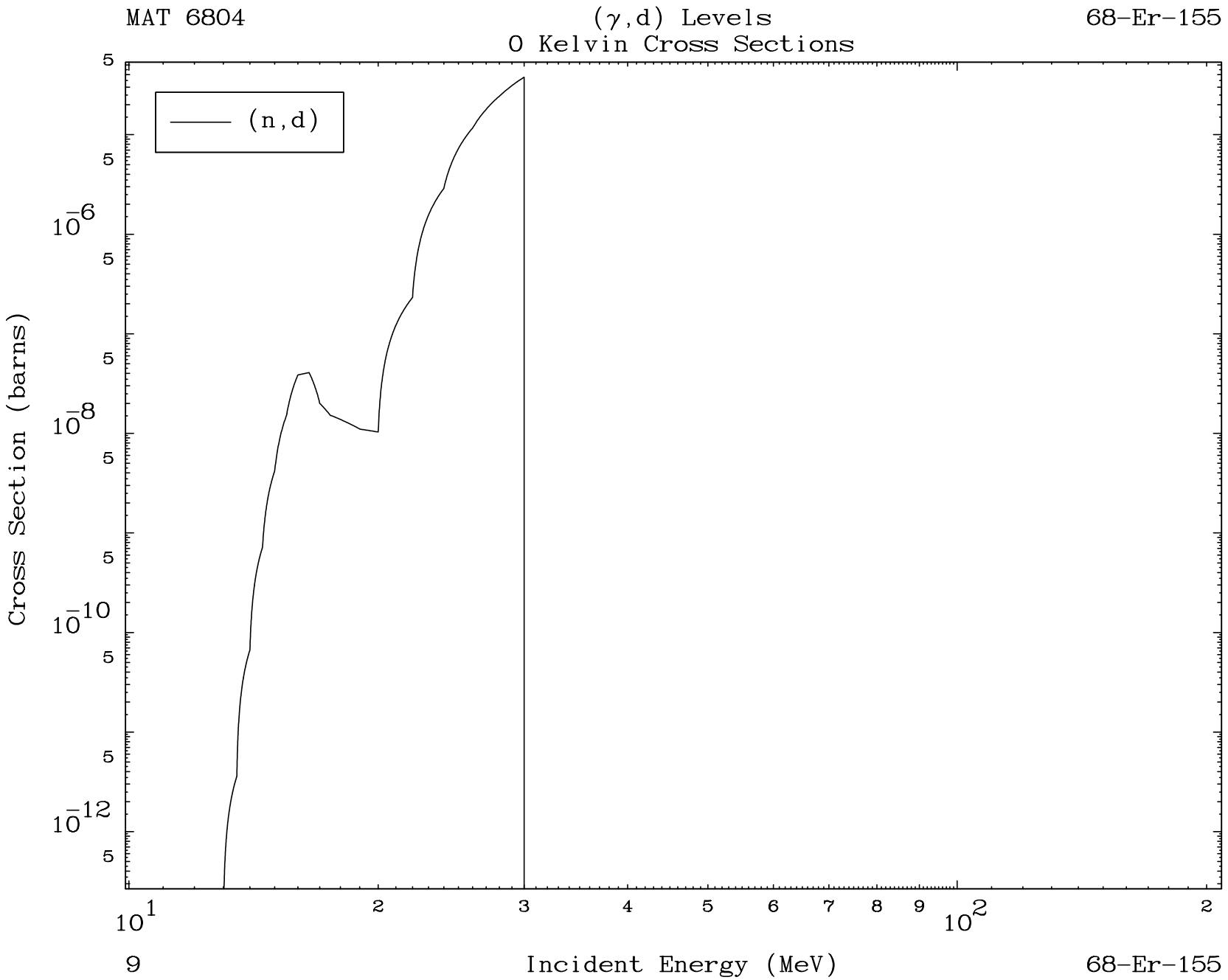

MAT 6804
Photon Neutron Absorption
0 Kelvin Cross Sections
68-Er-155
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
68-Er-155

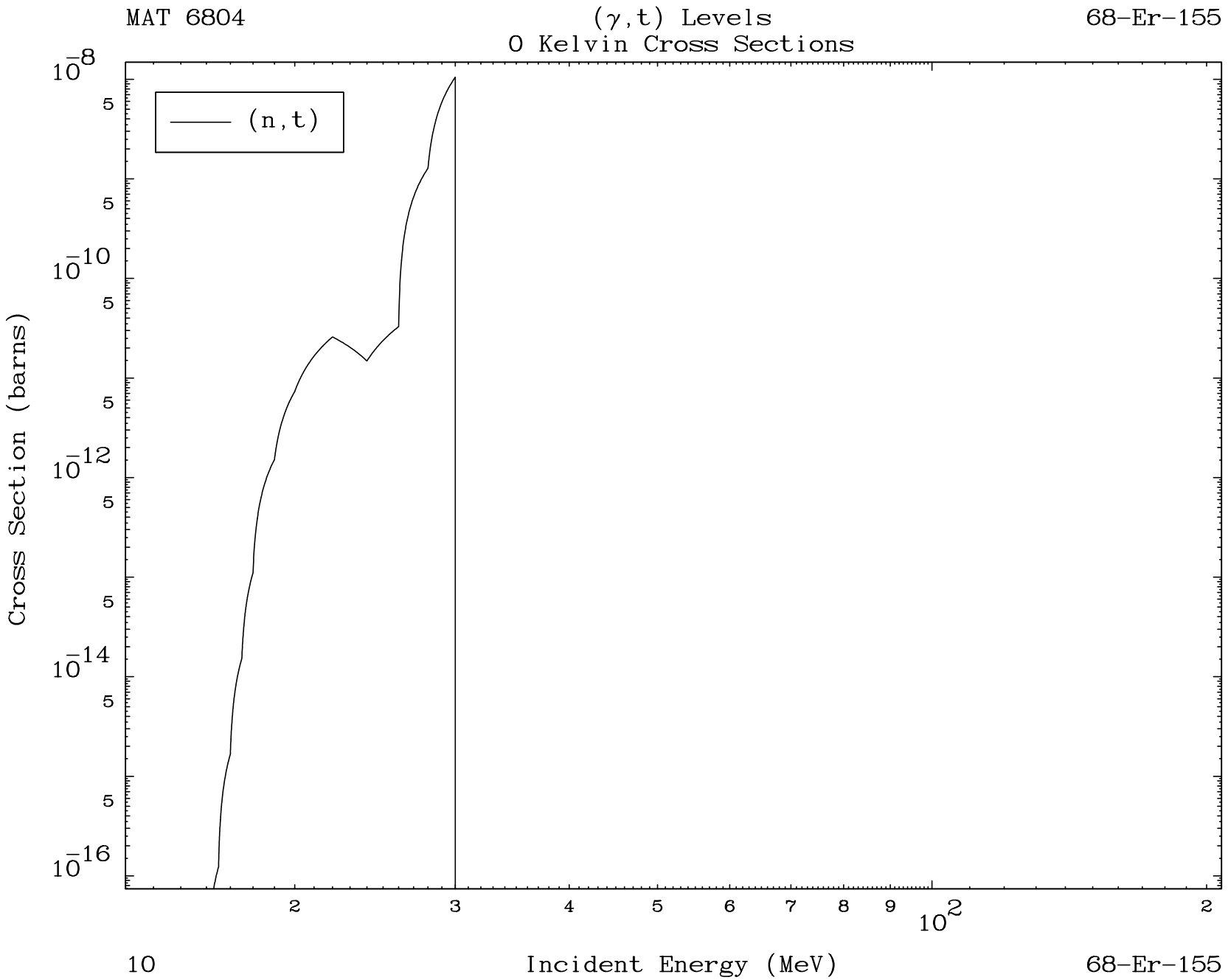

MAT 6804
Photon Charged Particle
0 Kelvin Cross Sections
68-Er-155
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
5
68-Er-155

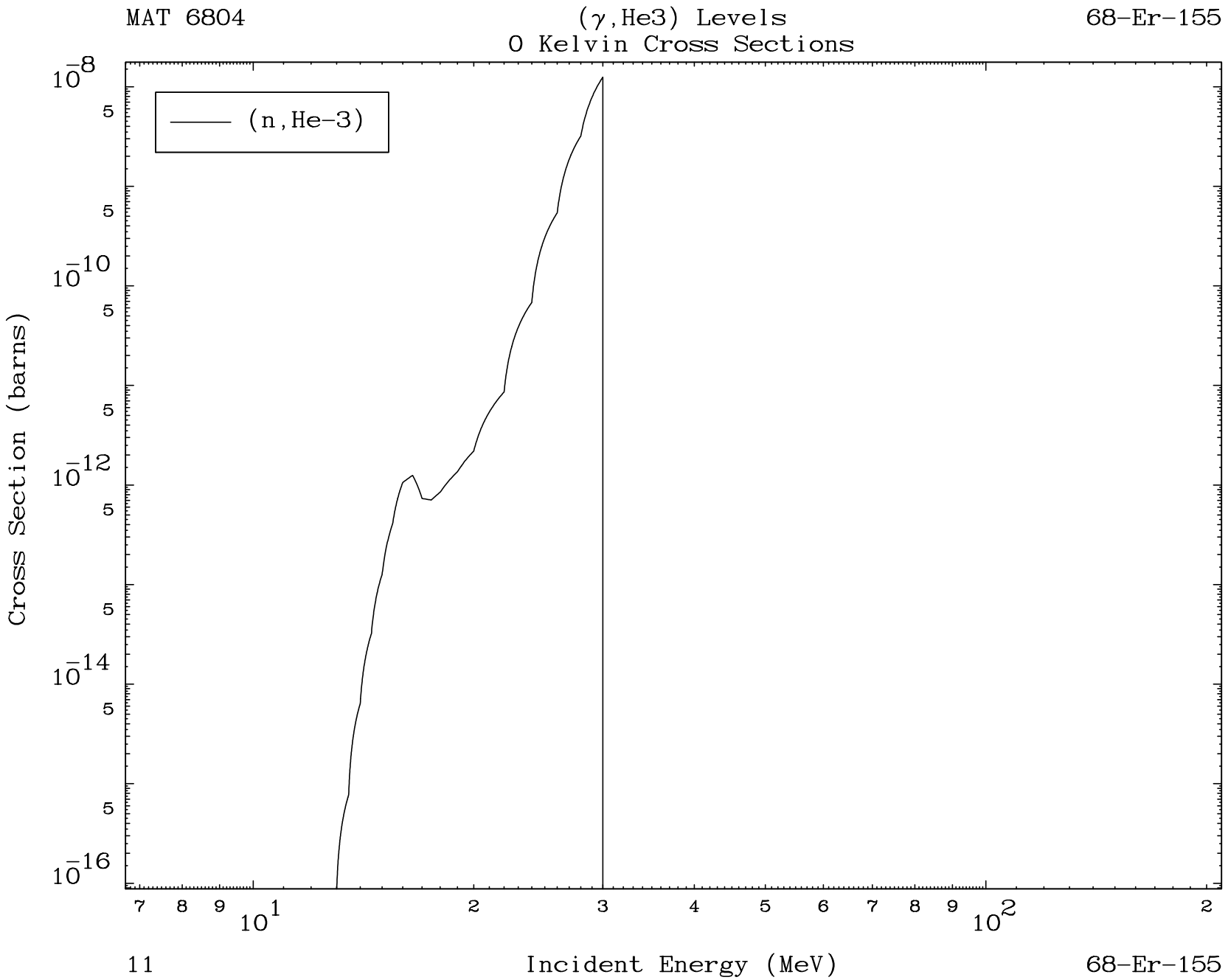

MAT 6804
Photon Charged Particle
0 Kelvin Cross Sections
68-Er-155
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
68-Er-155

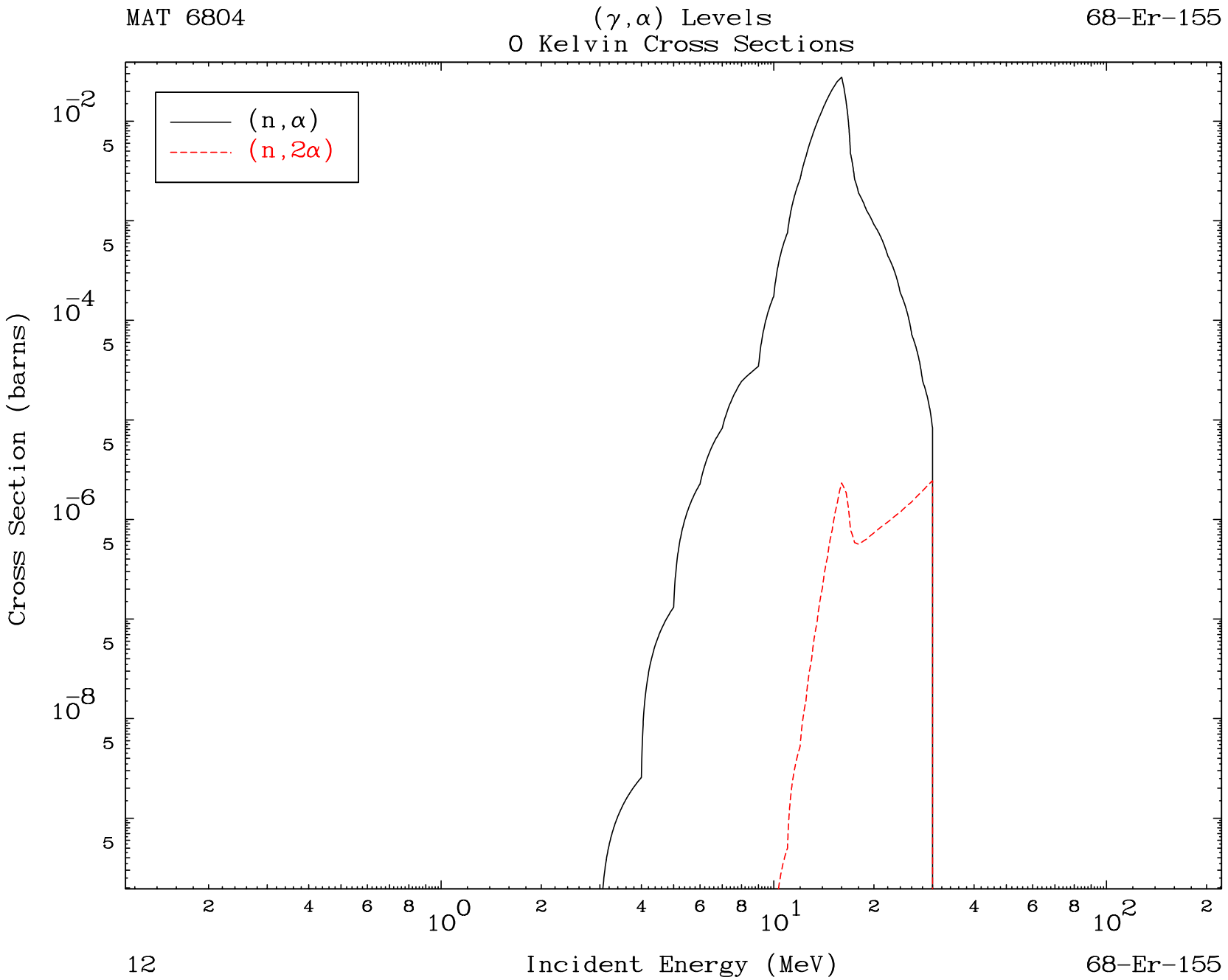

MAT 6804
(γ,n') Levels
0 Kelvin Cross Sections
68-Er-155
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
MT= 52 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
68-Er-155
7

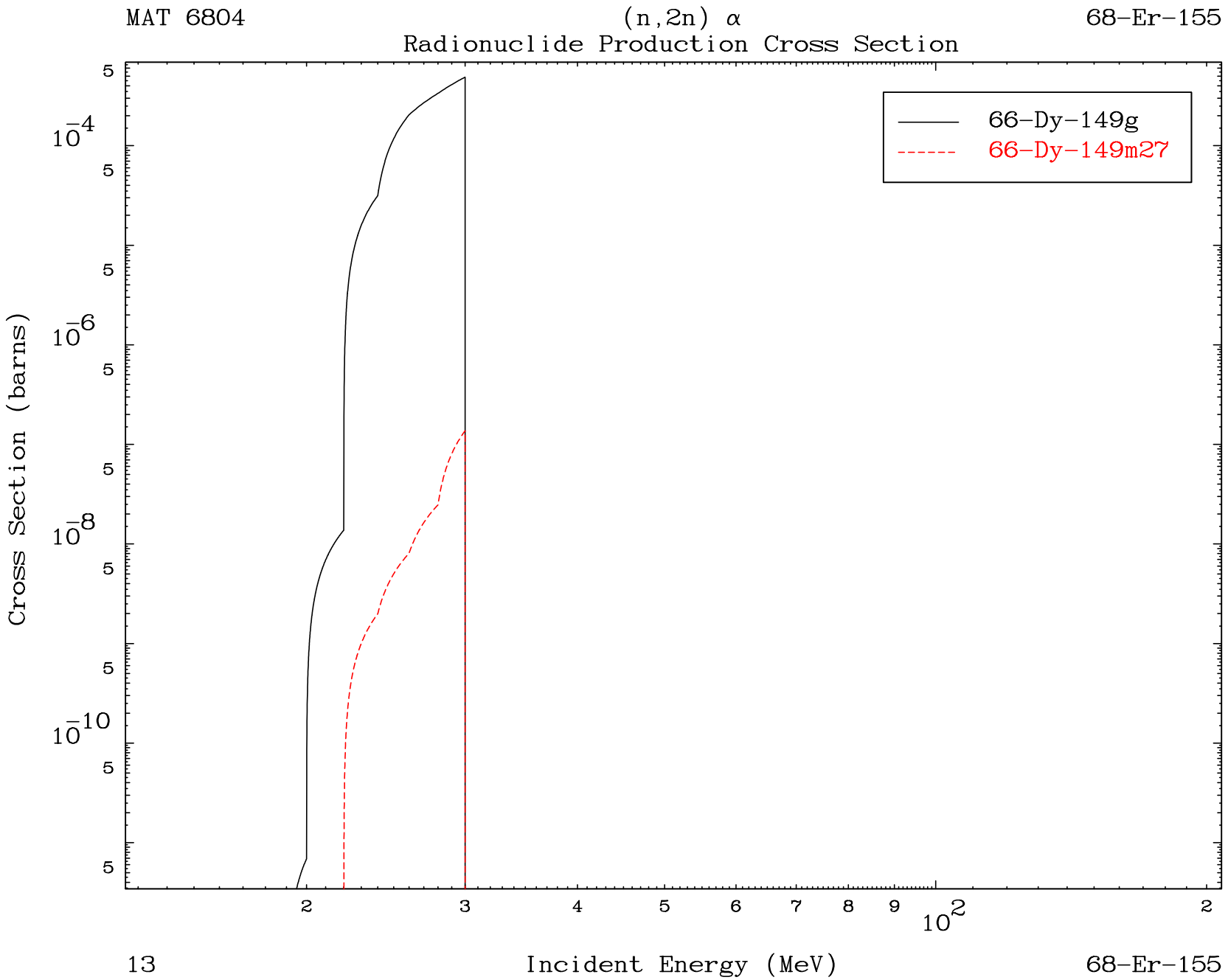

MAT 6804
(γ,p) Levels
68-Er-155
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
5
5
5
5
5
5
5
5 6 7 8 9 101 2 3 4 5 6 7 8 9 102 2
8
Incident Energy (MeV)
68-Er-155

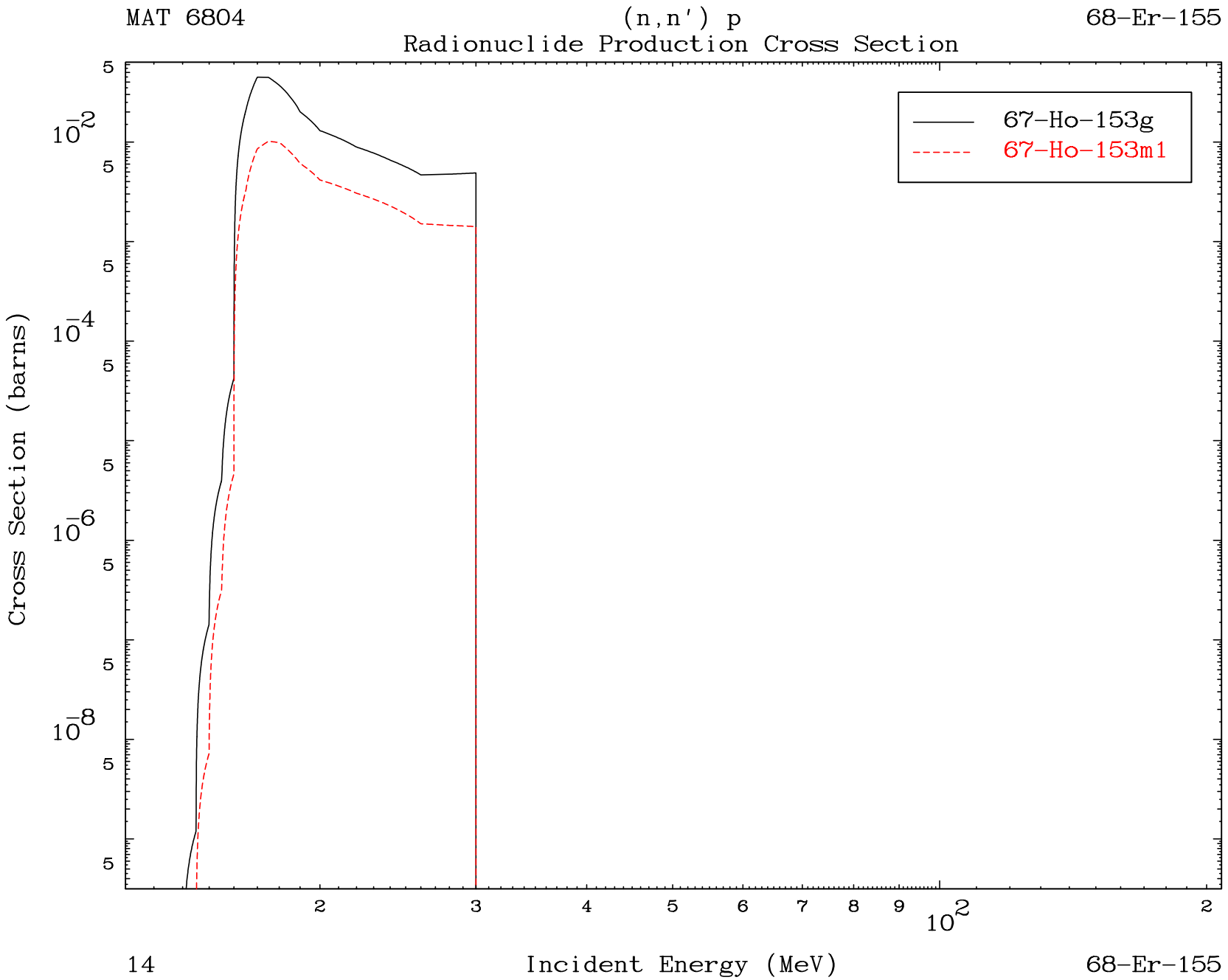

MAT 6804
(γ,d) Levels
68-Er-155
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
68-Er-155

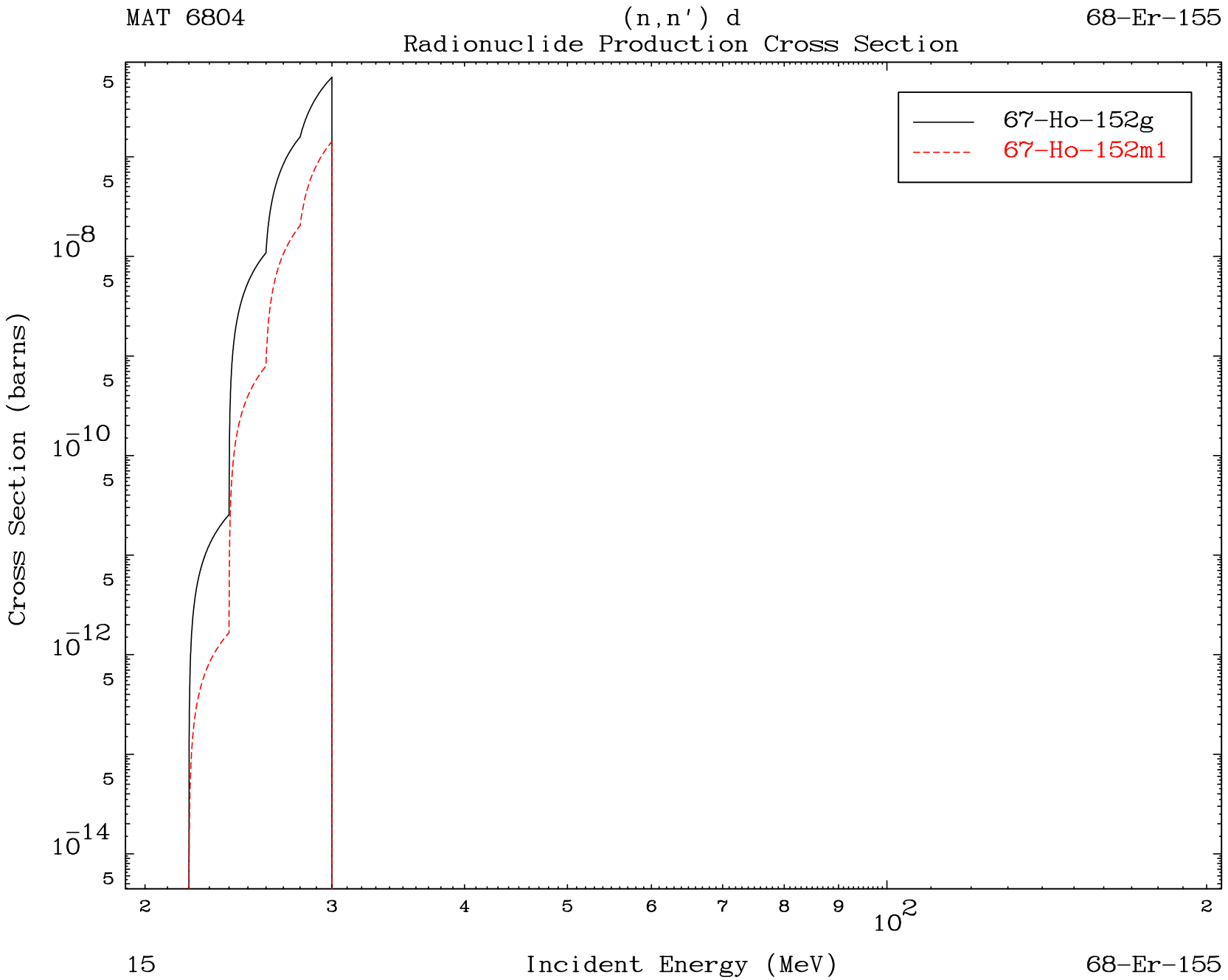

MAT 6804
(γ,t) Levels
68-Er-155
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
5
10^-10
5
10^-12
5
10^-14
5
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
68-Er-155

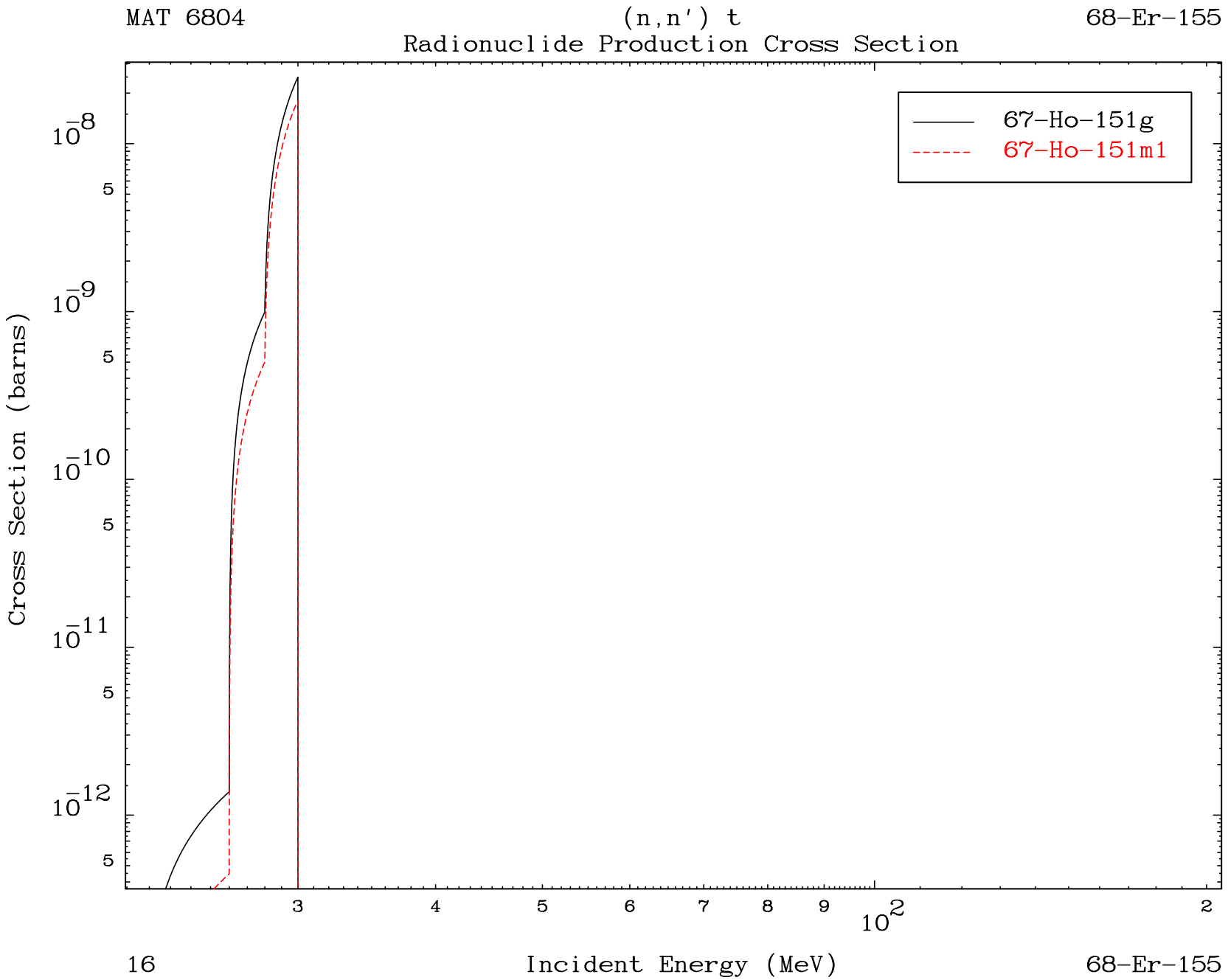

MAT 6804
(γ,He3) Levels
68-Er-155
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
10^-16
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
11
68-Er-155

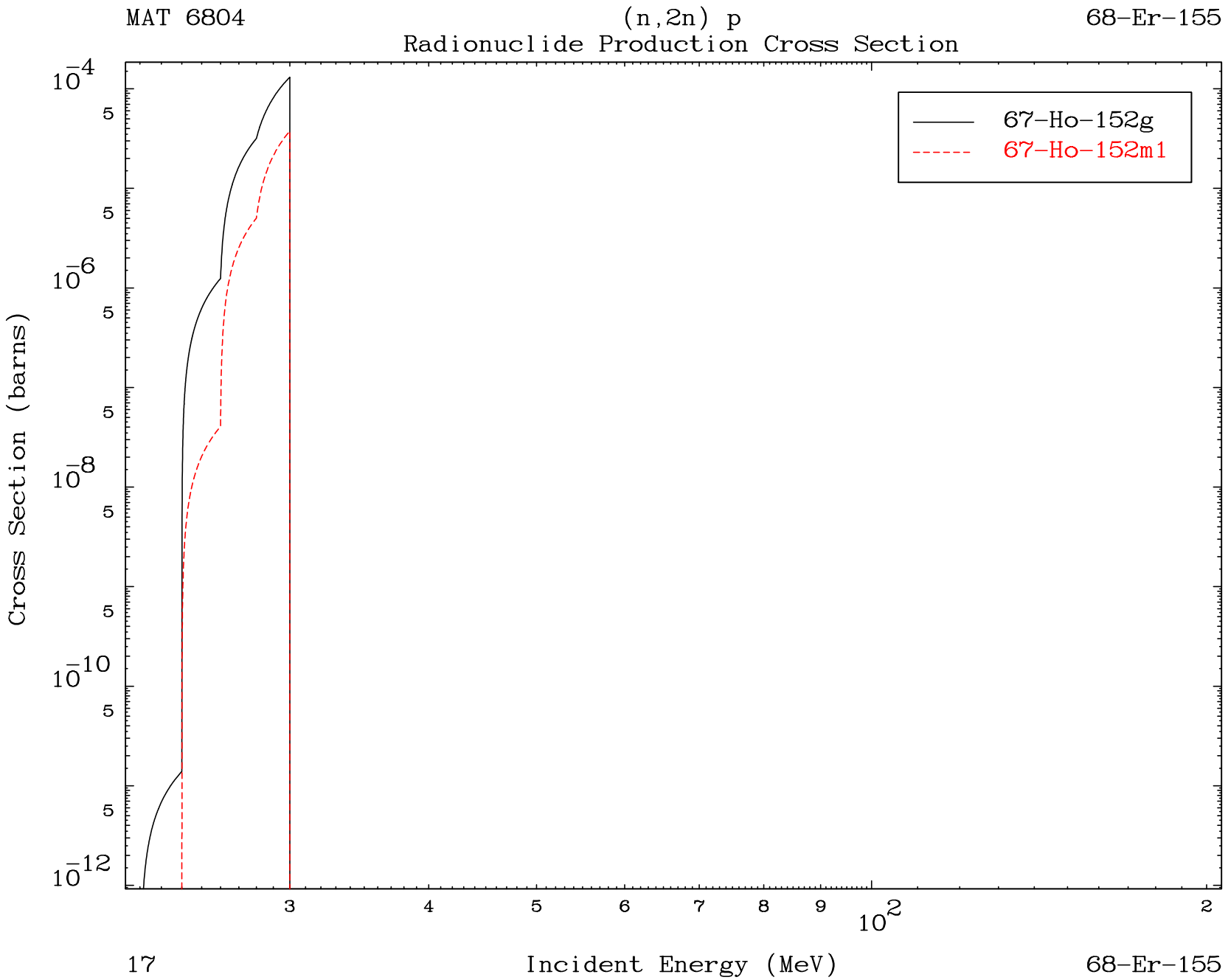

MAT 6804
(γ,α) Levels
68-Er-155
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
12
68-Er-155

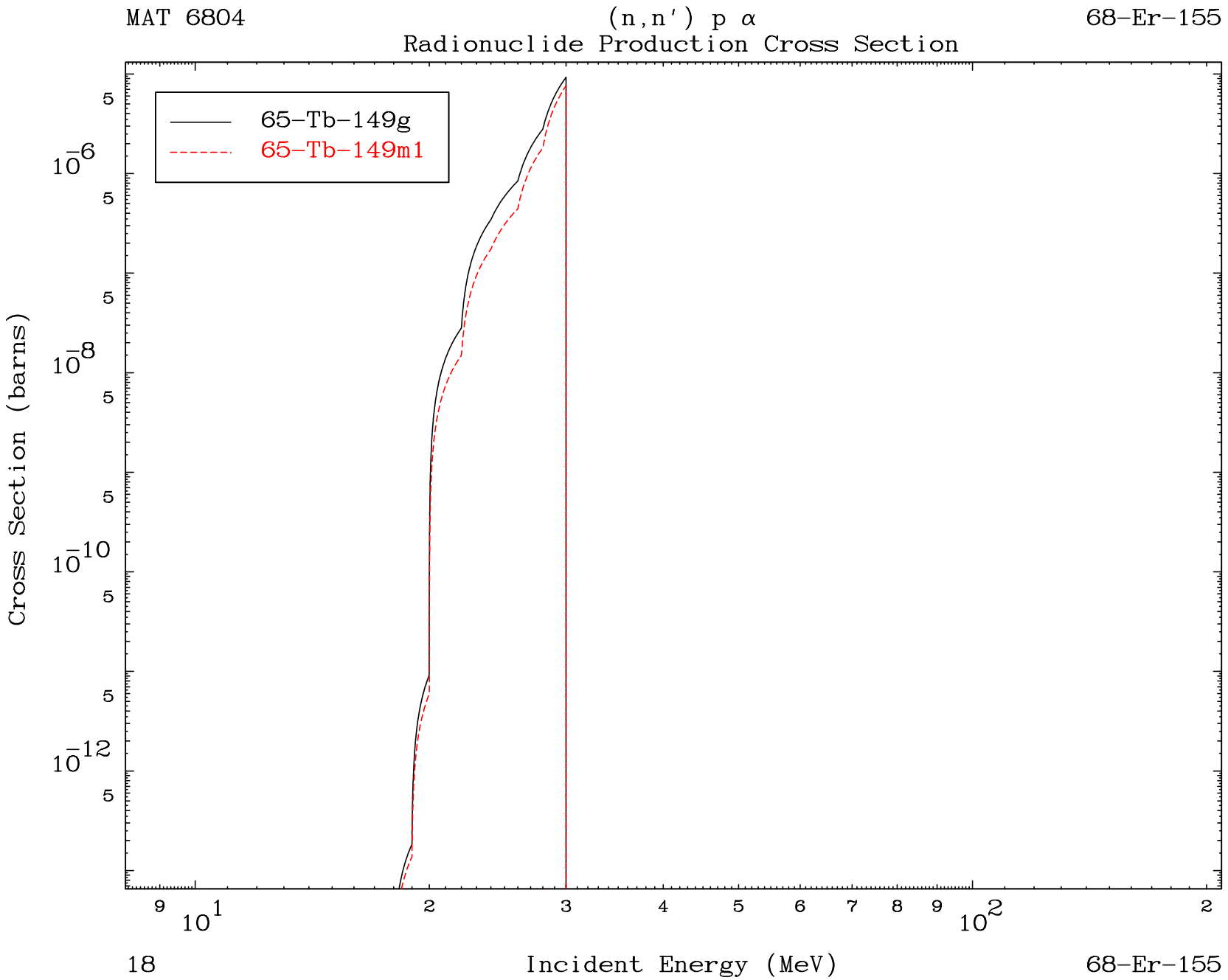

MAT 6804
(n,2n) α
68-Er-155
Radionuclide Production Cross Section
66-Dy-149g
66-Dy-149m27
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
13
Incident Energy (MeV)
68-Er-155

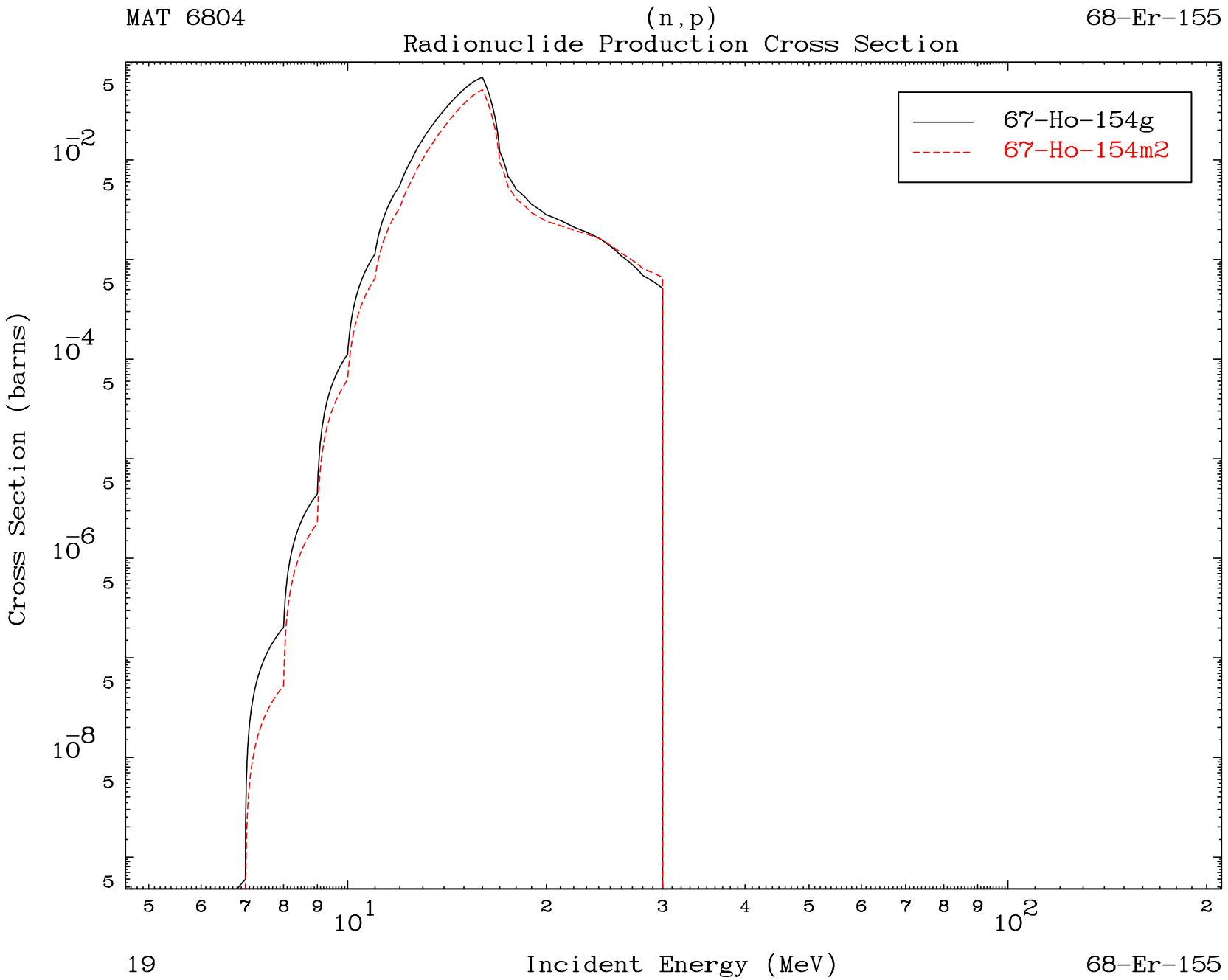

MAT 6804
(n,n') p
68-Er-155
Radionuclide Production Cross Section
67-Ho-153g
67-Ho-153m1
Cross Section (barns)
Incident Energy (MeV)
14
68-Er-155

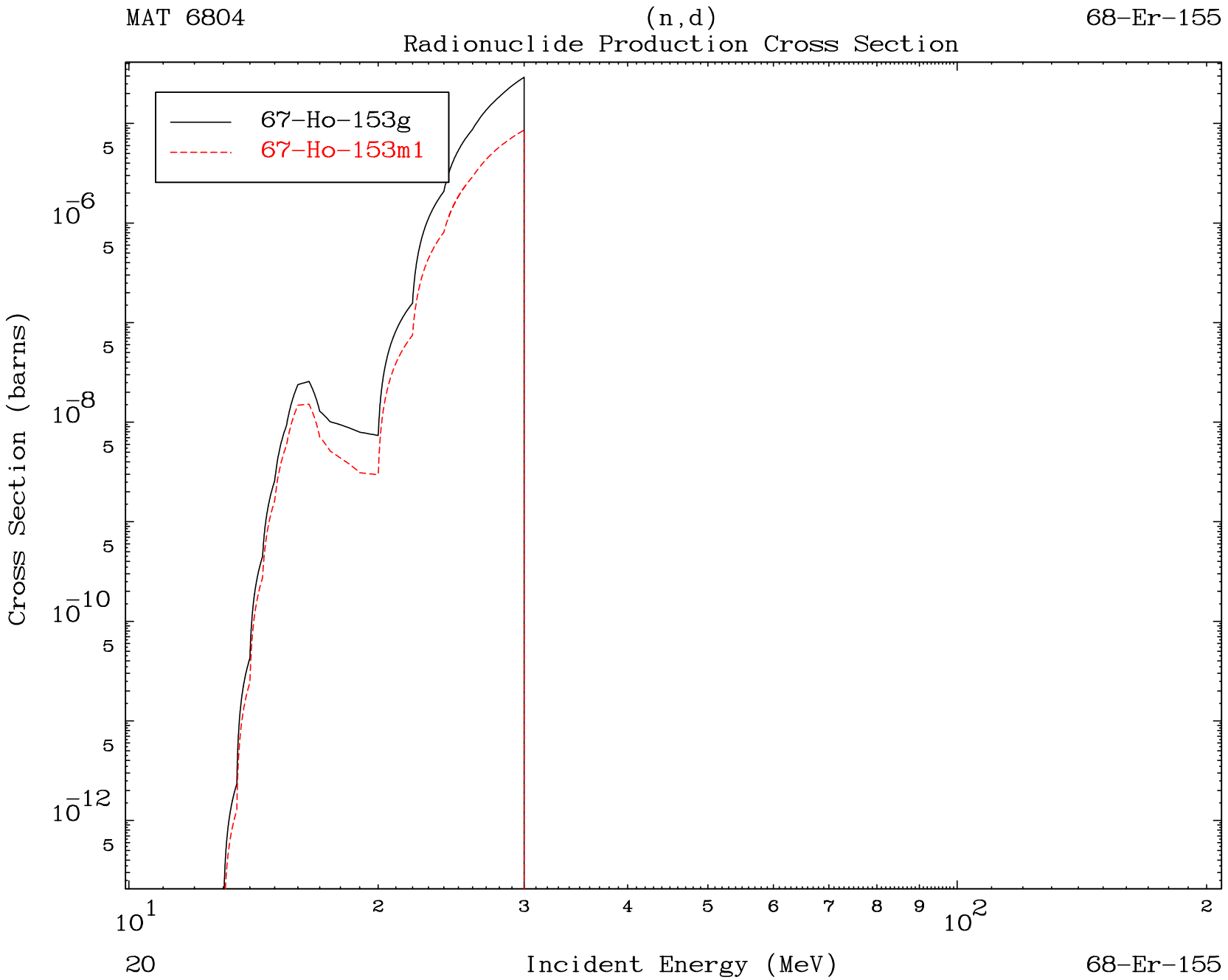

MAT 6804
(n,n') d
68-Er-155
Radionuclide Production Cross Section
67-Ho-152g
67-Ho-152m1
Cross Section (barns)
Incident Energy (MeV)
15
68-Er-155

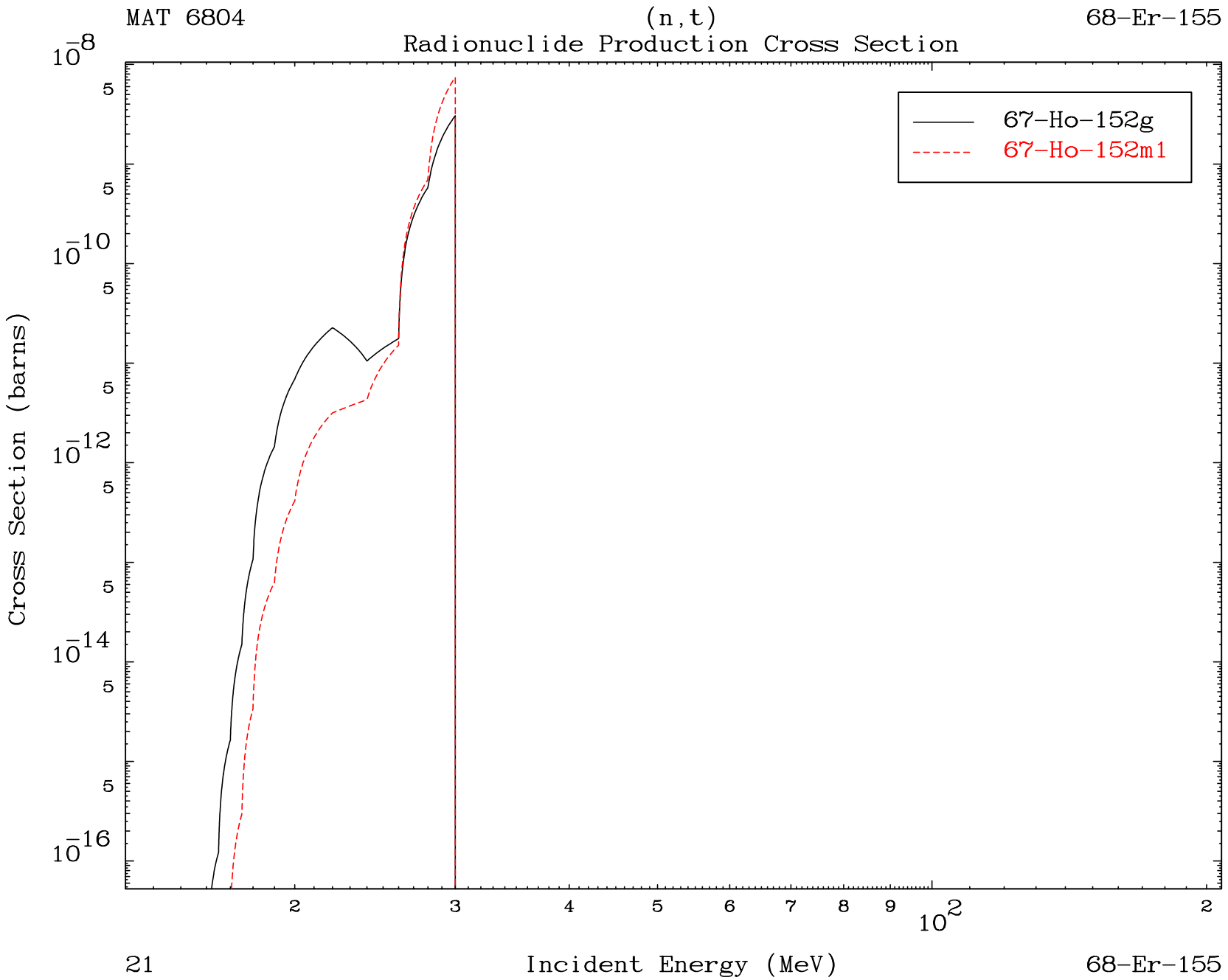

MAT 6804
(n,n') t
68-Er-155
Radionuclide Production Cross Section
67-Ho-151g
67-Ho-151m1
Cross Section (barns)
10-8
10-9
10-10
10-11
10-12
5
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
68-Er-155

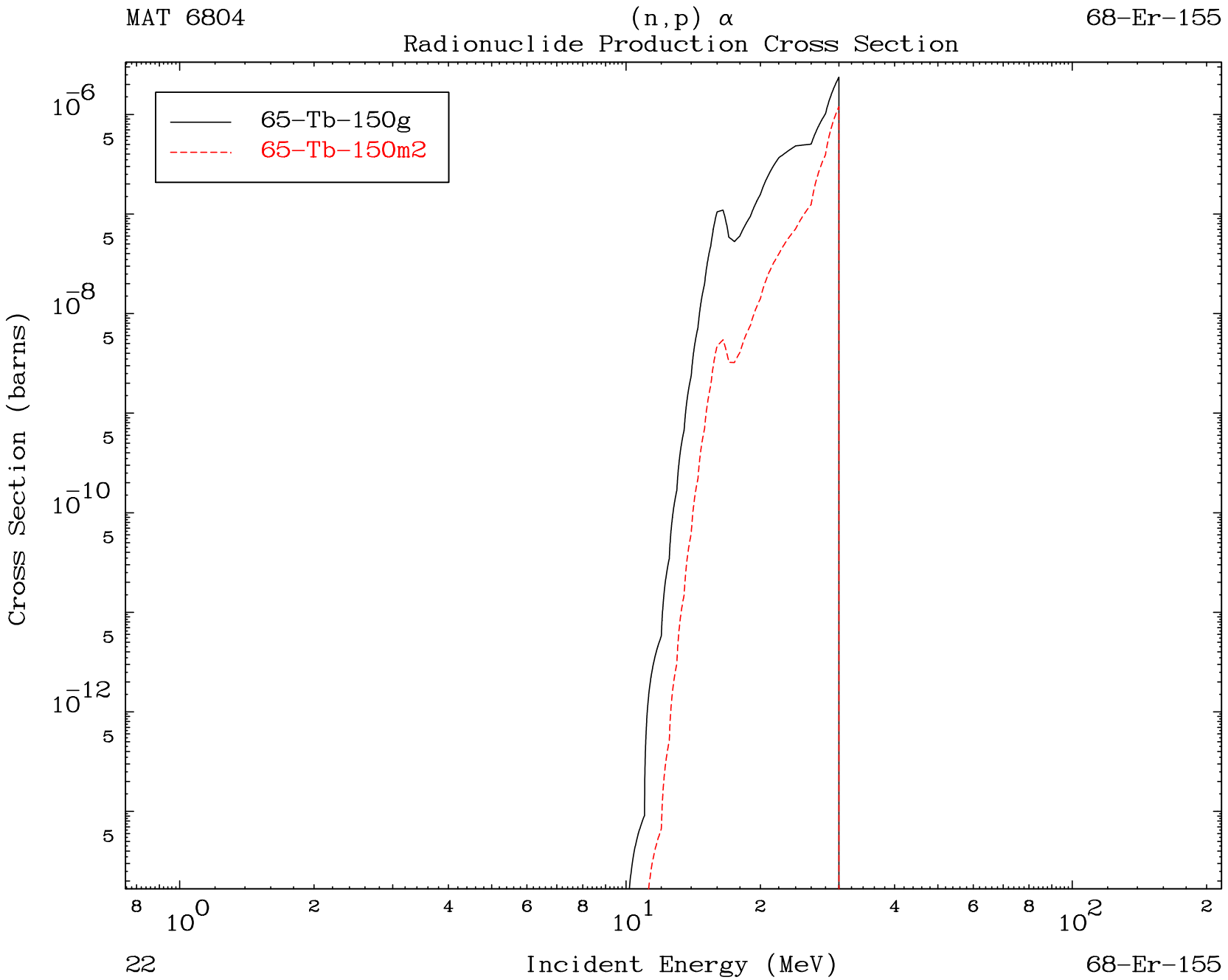

MAT 6804
(n,2n) p
68-Er-155
Radionuclide Production Cross Section
67-Ho-152g
67-Ho-152m1
Cross Section (barns)
Incident Energy (MeV)
17
68-Er-155

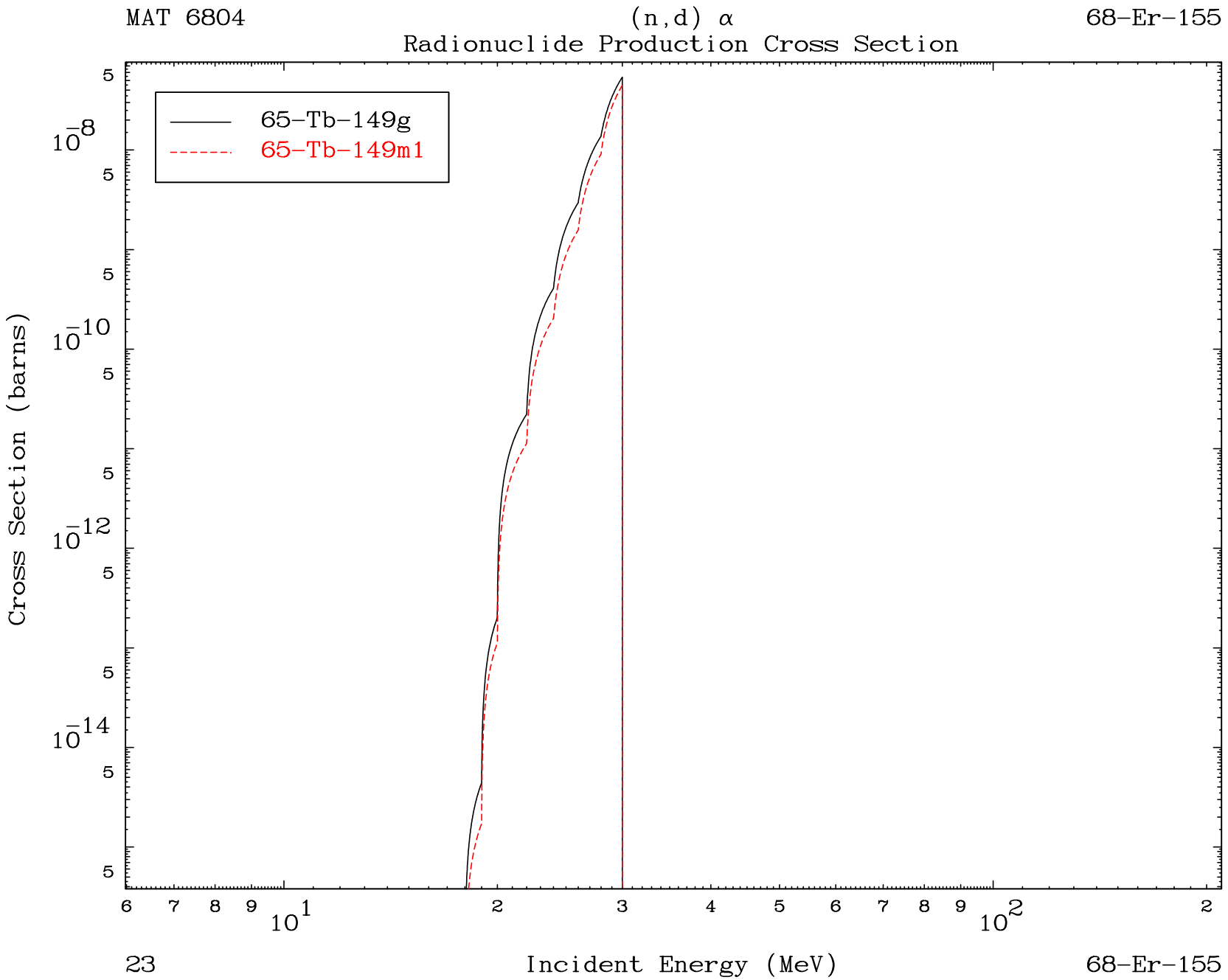

MAT 6804
(n,n') p α
68-Er-155
Radionuclide Production Cross Section
65-Tb-149g
65-Tb-149m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
9
10^1
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
68-Er-155


MAT 6804
(n,p)
68-Er-155
Radionuclide Production Cross Section
67-Ho-154g
67-Ho-154m2
Cross Section (barns)
Incident Energy (MeV)
19
68-Er-155


MAT 6804
(n,d)
68-Er-155
Radionuclide Production Cross Section
67-Ho-153g
67-Ho-153m1
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
20
Incident Energy (MeV)
68-Er-155


MAT 6804
(n,t)
68-Er-155
Radionuclide Production Cross Section
67-Ho-152g
67-Ho-152m1
Cross Section (barns)
Incident Energy (MeV)
21
68-Er-155


MAT 6804
(n,p) α
68-Er-155
Radionuclide Production Cross Section
65-Tb-150g
65-Tb-150m2
Cross Section (barns)
Incident Energy (MeV)
22
68-Er-155


MAT 6804
(n,d) α
68-Er-155
Radionuclide Production Cross Section
65-Tb-149g
65-Tb-149m1
Cross Section (barns)
Incident Energy (MeV)
23
68-Er-155