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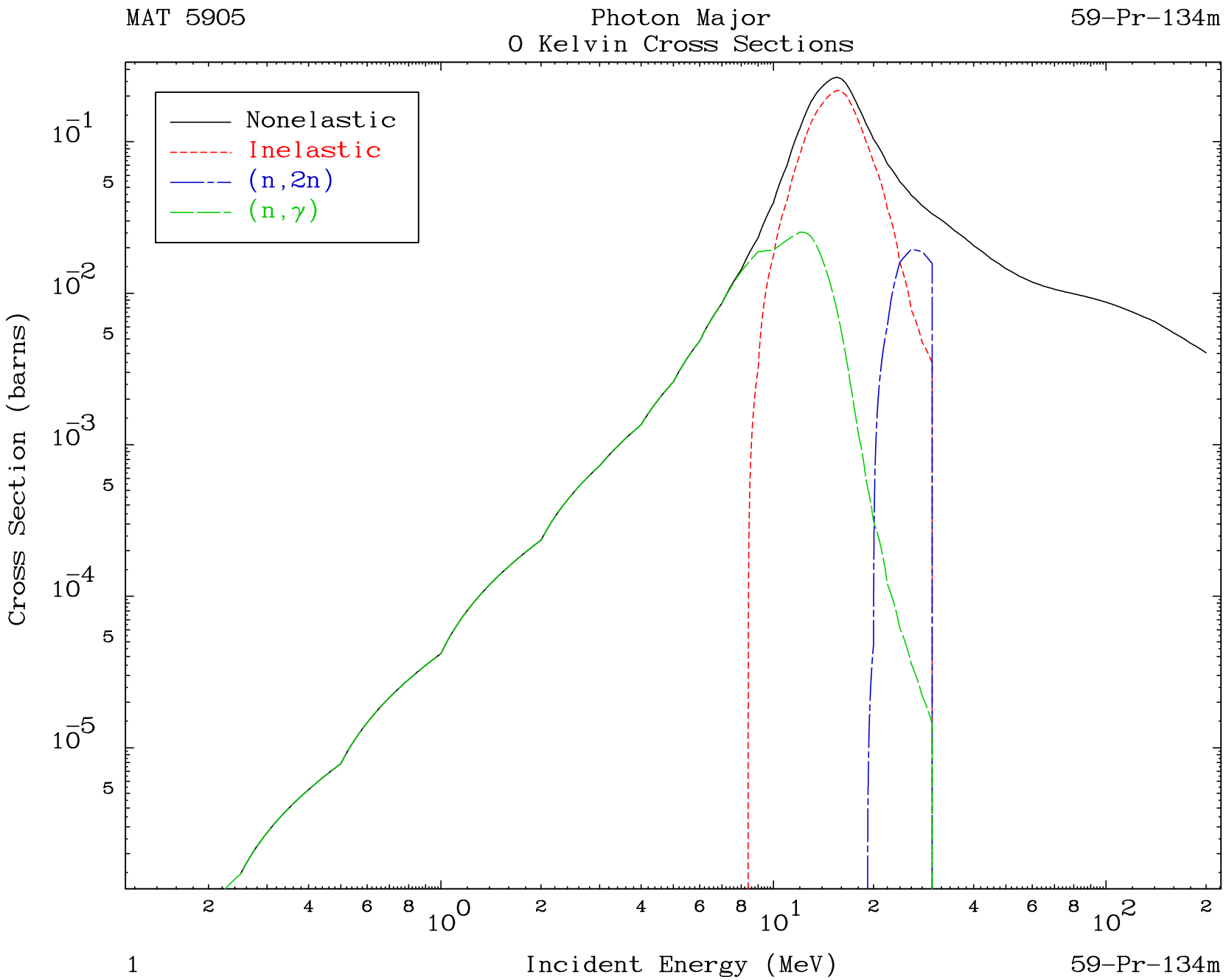
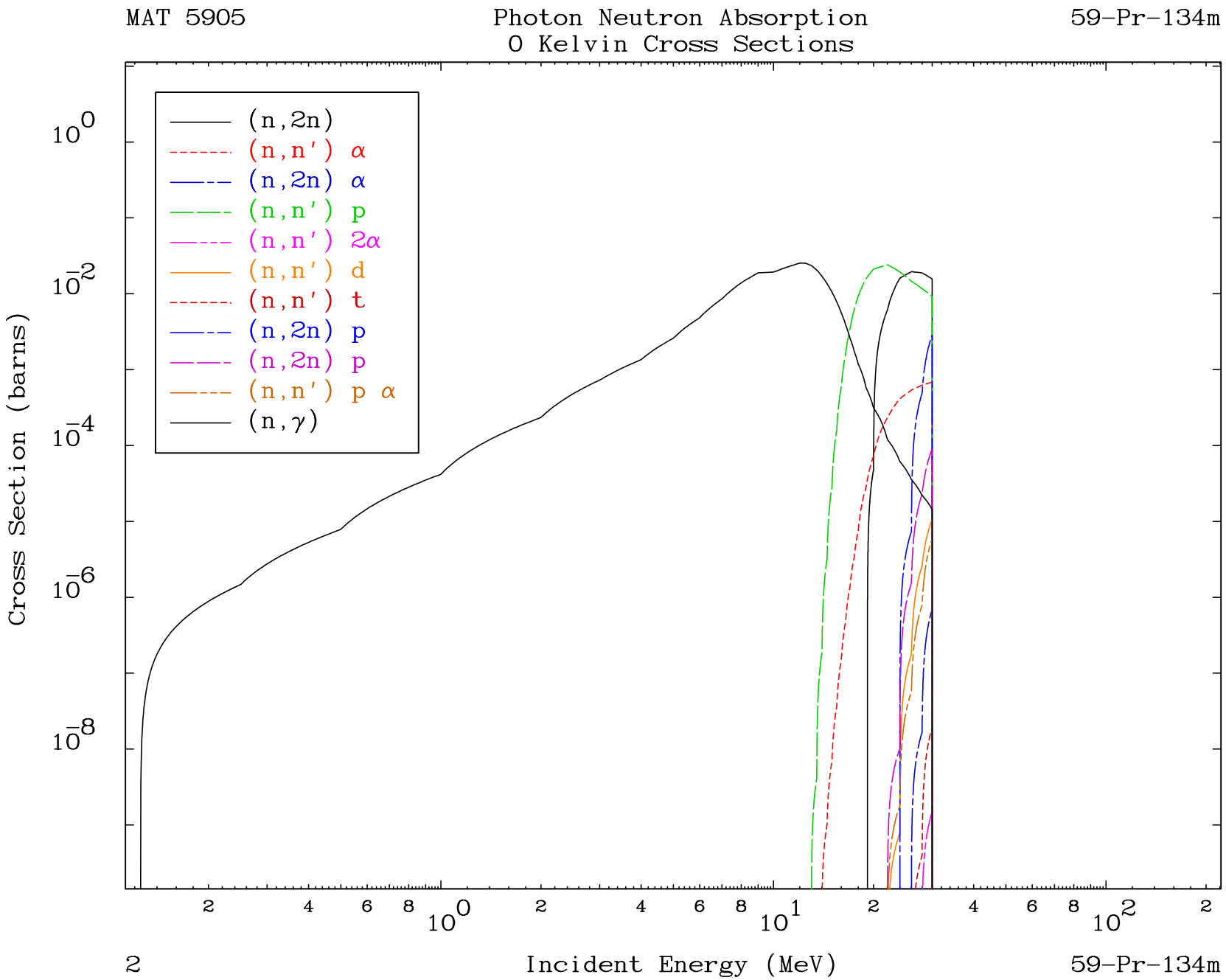
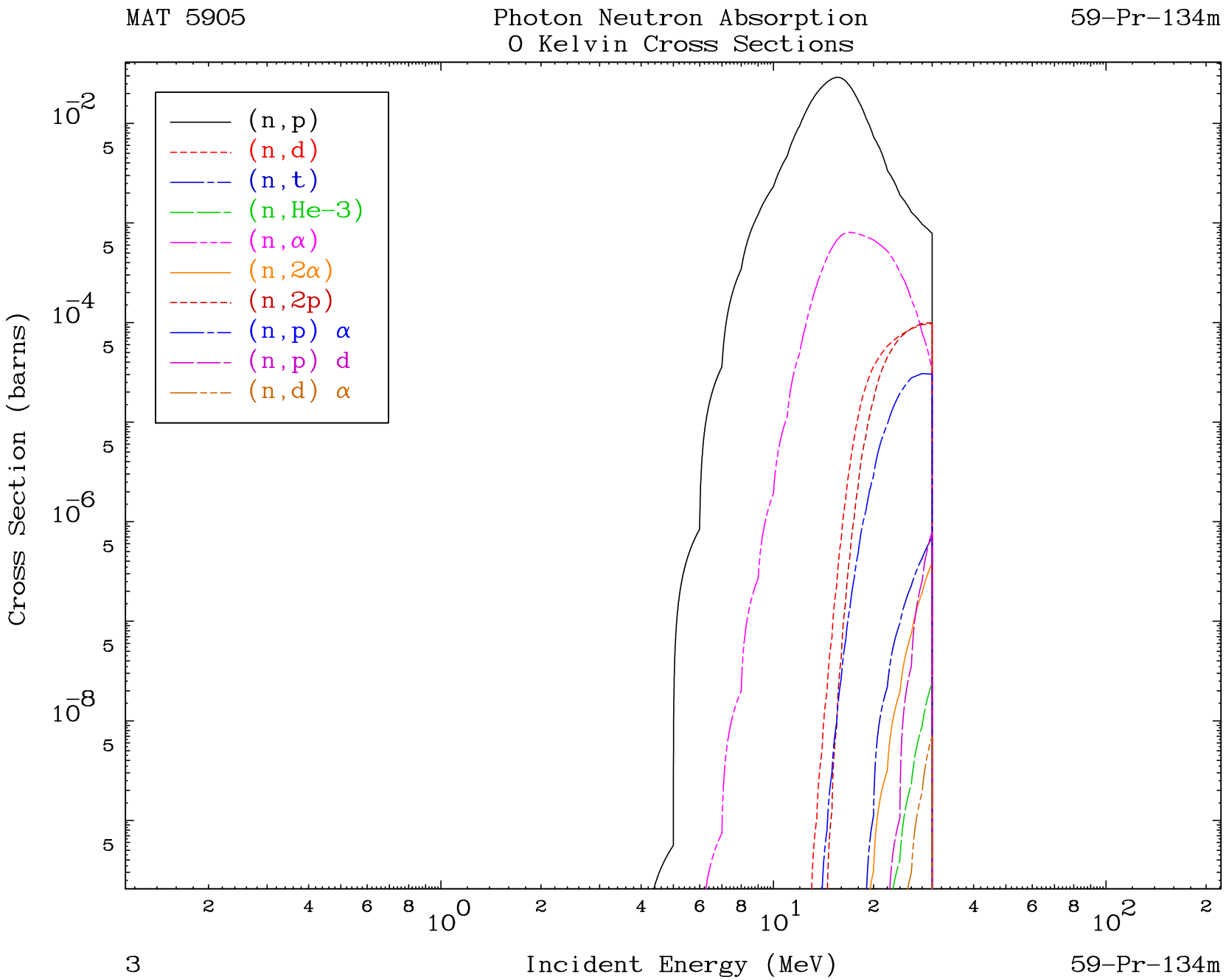
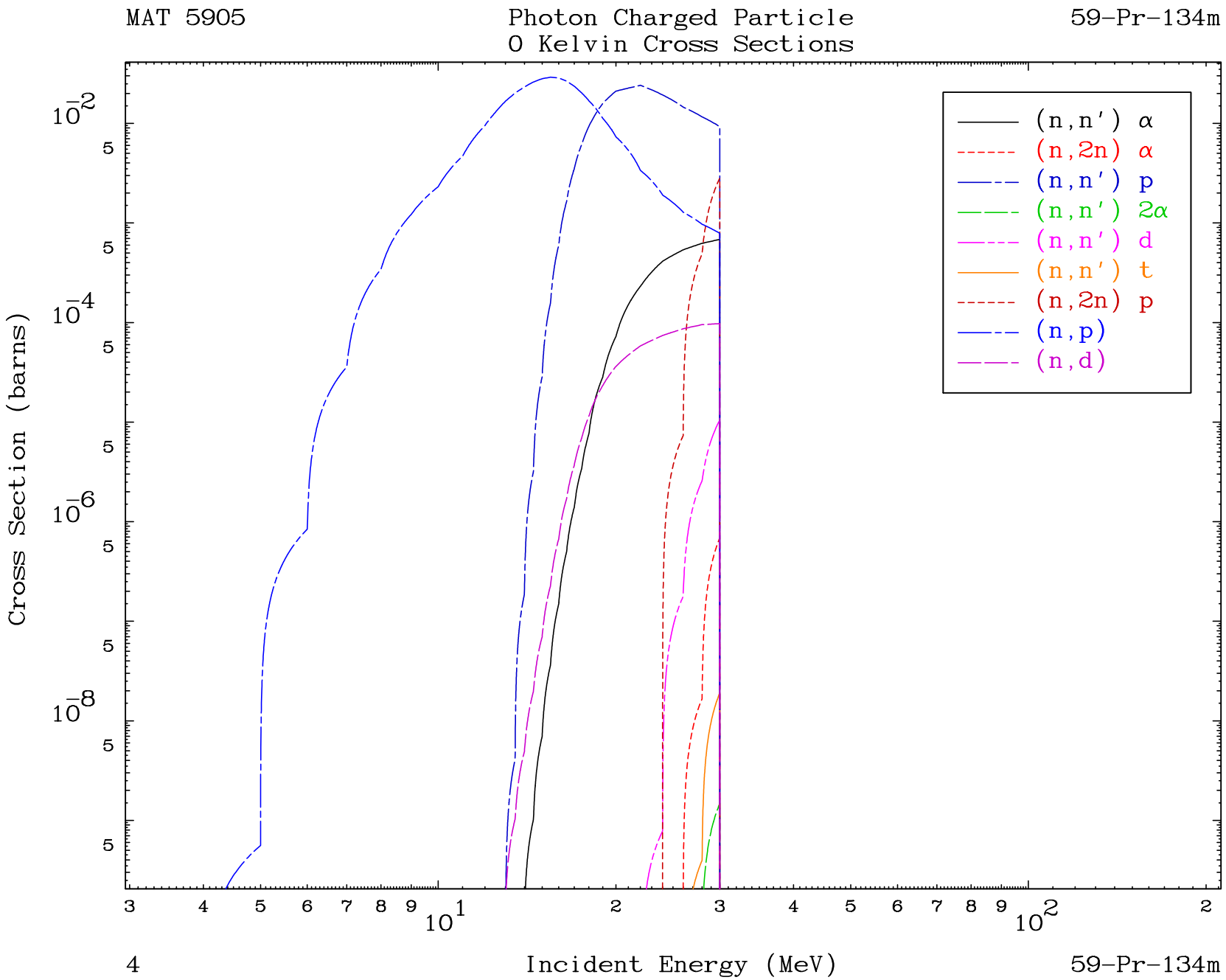
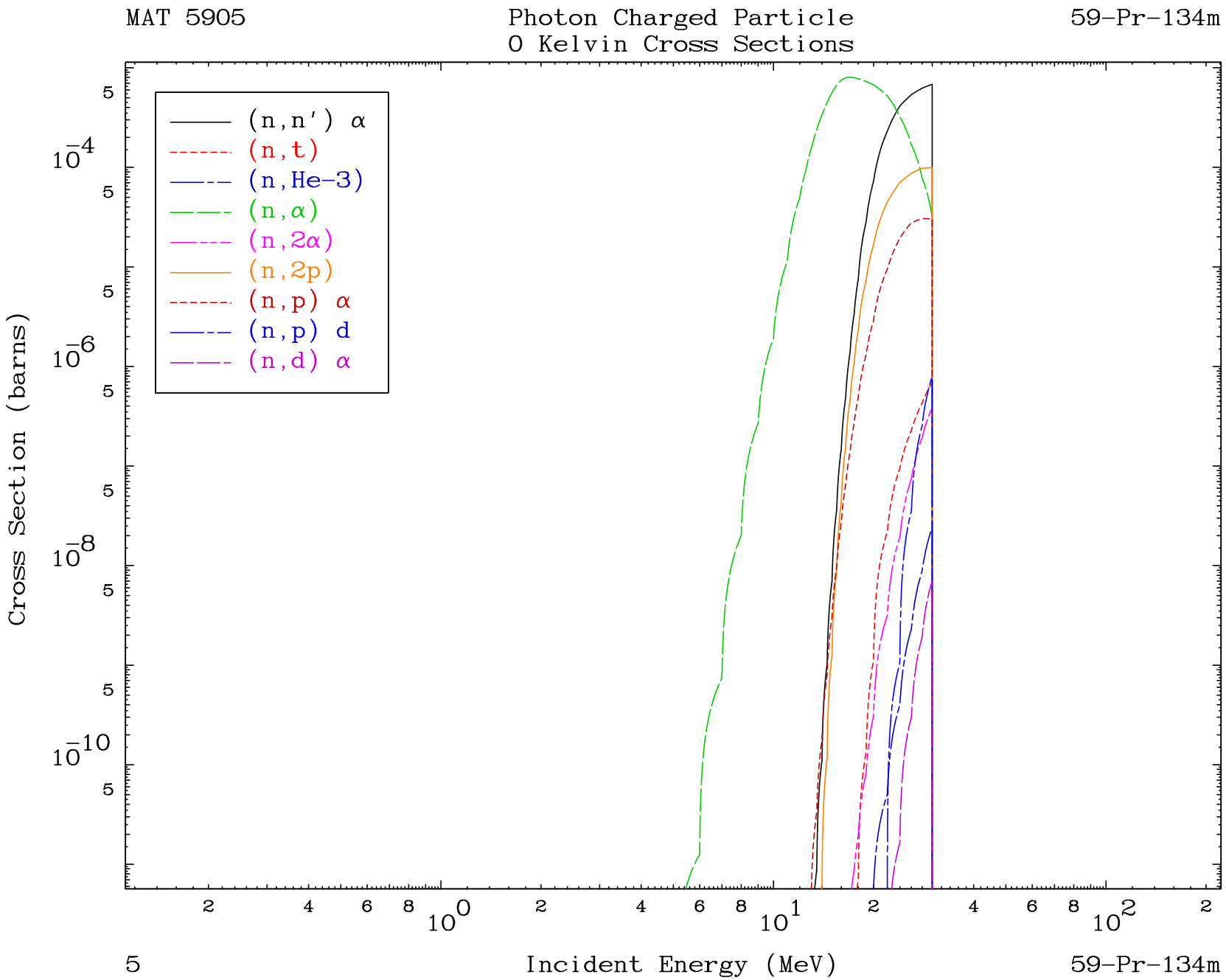
Press Mouse Button to Start

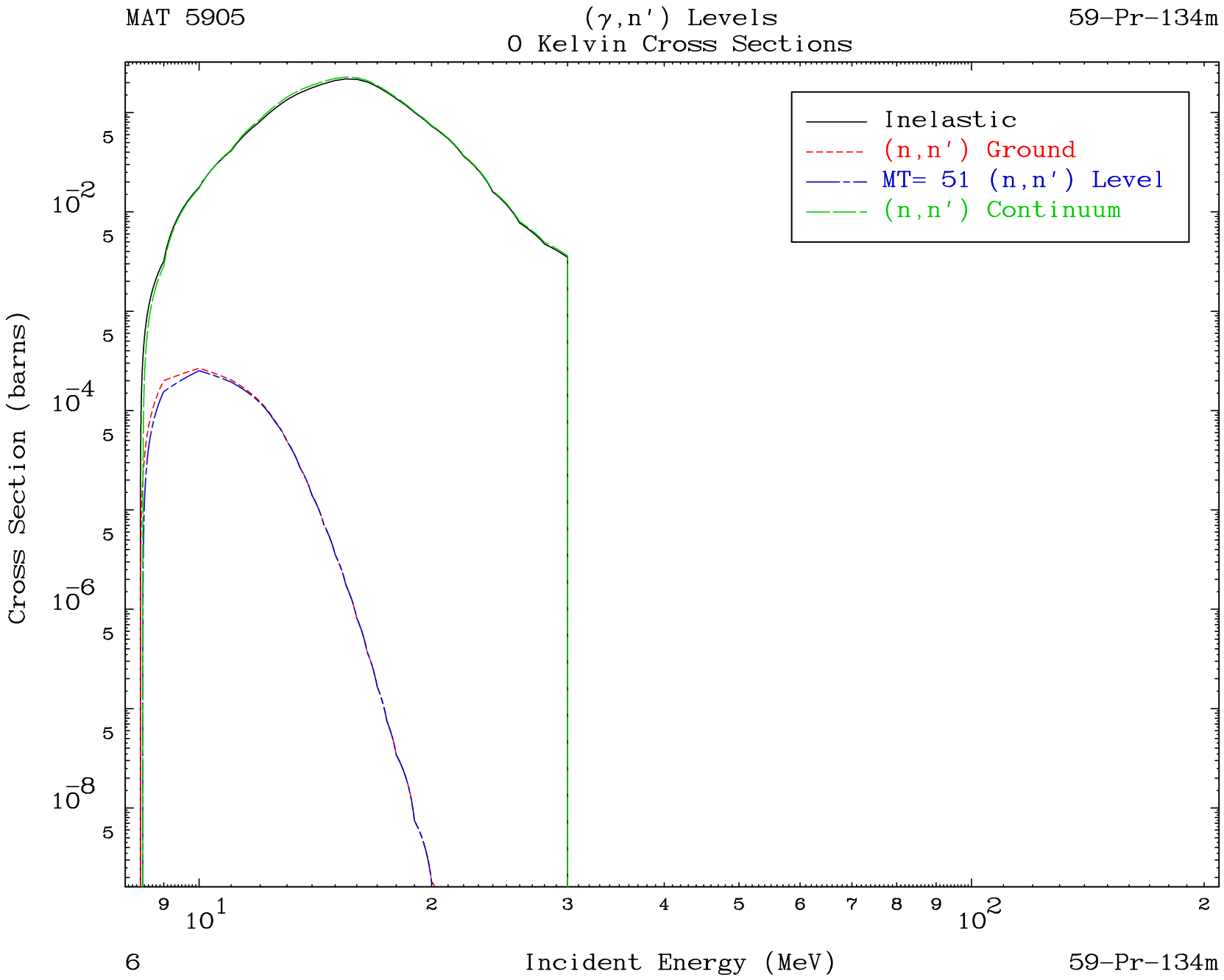

MAT 5905
Photon Major
59-Pr-134m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
59-Pr-134m
1

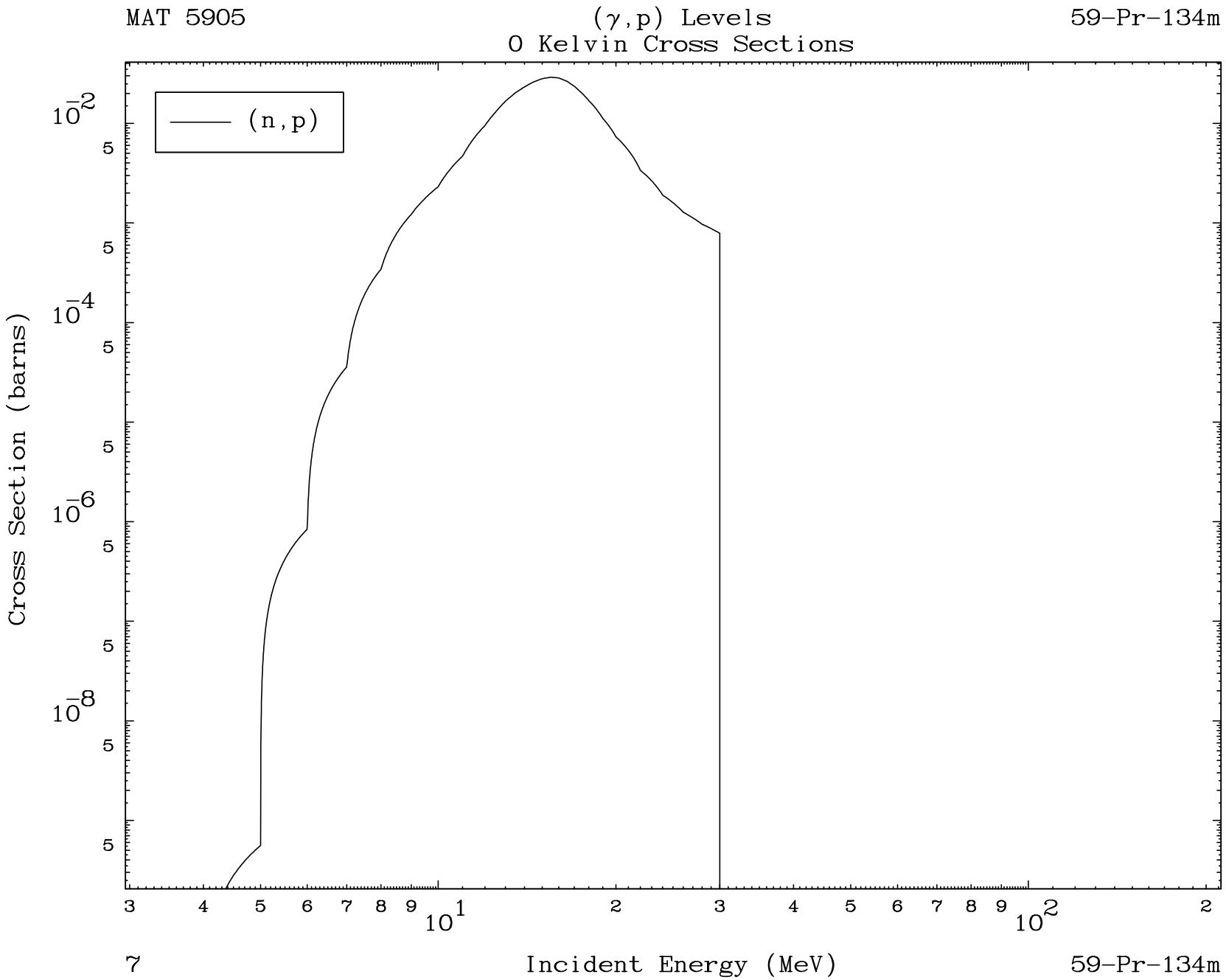

MAT 5905
Photon Neutron Absorption
0 Kelvin Cross Sections
59-Pr-134m
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^-8
2 4 6 8 10^0 2 4 6 8 10^1 2 4 6 8 10^2 2
Incident Energy (MeV)
2
59-Pr-134m

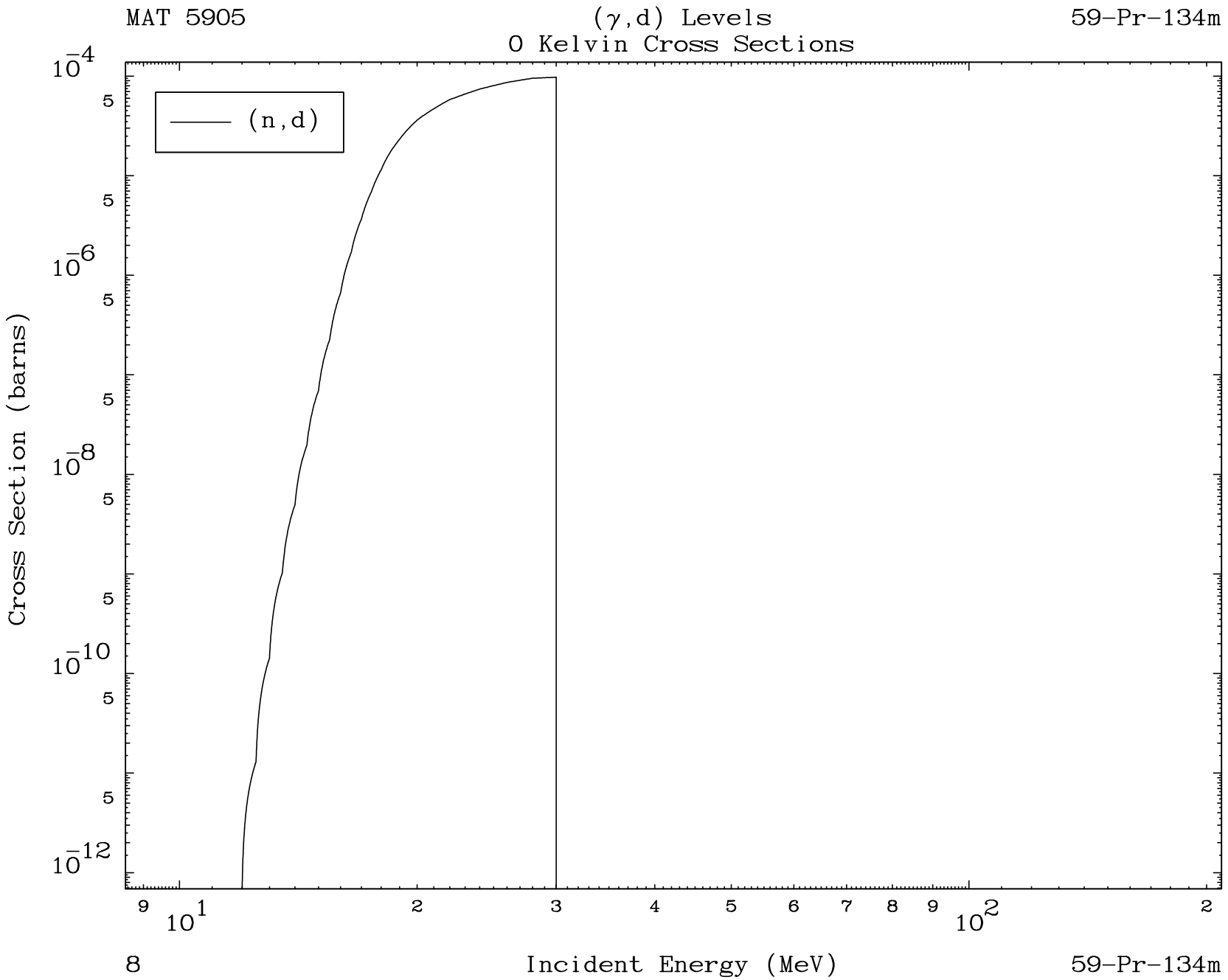

MAT 5905
Photon Neutron Absorption
0 Kelvin Cross Sections
59-Pr-134m
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
59-Pr-134m

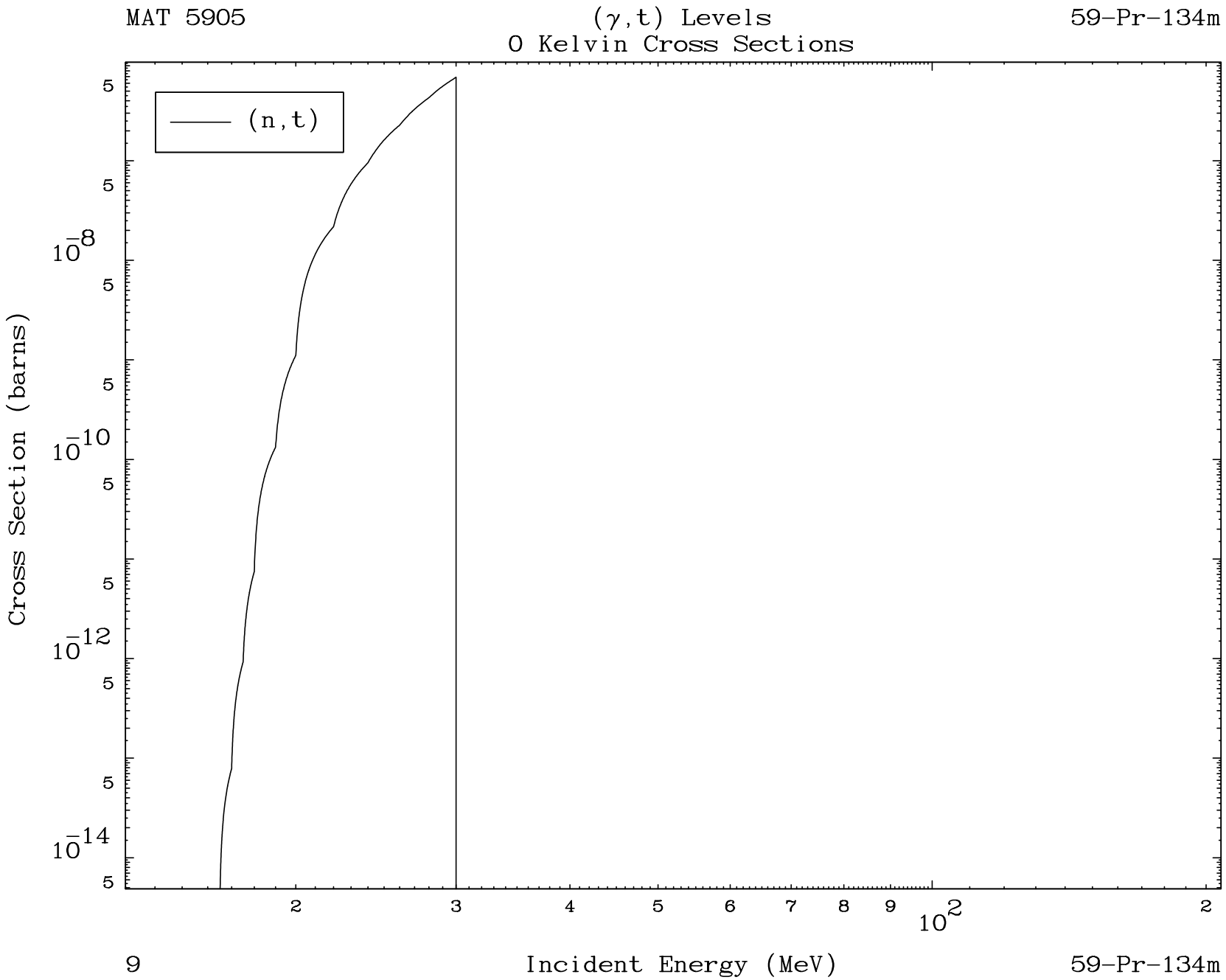

MAT 5905
Photon Charged Particle
0 Kelvin Cross Sections
59-Pr-134m
Cross Section (barns)
Incident Energy (MeV)
4
59-Pr-134m
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,2n) p
(n,p)
(n,d)

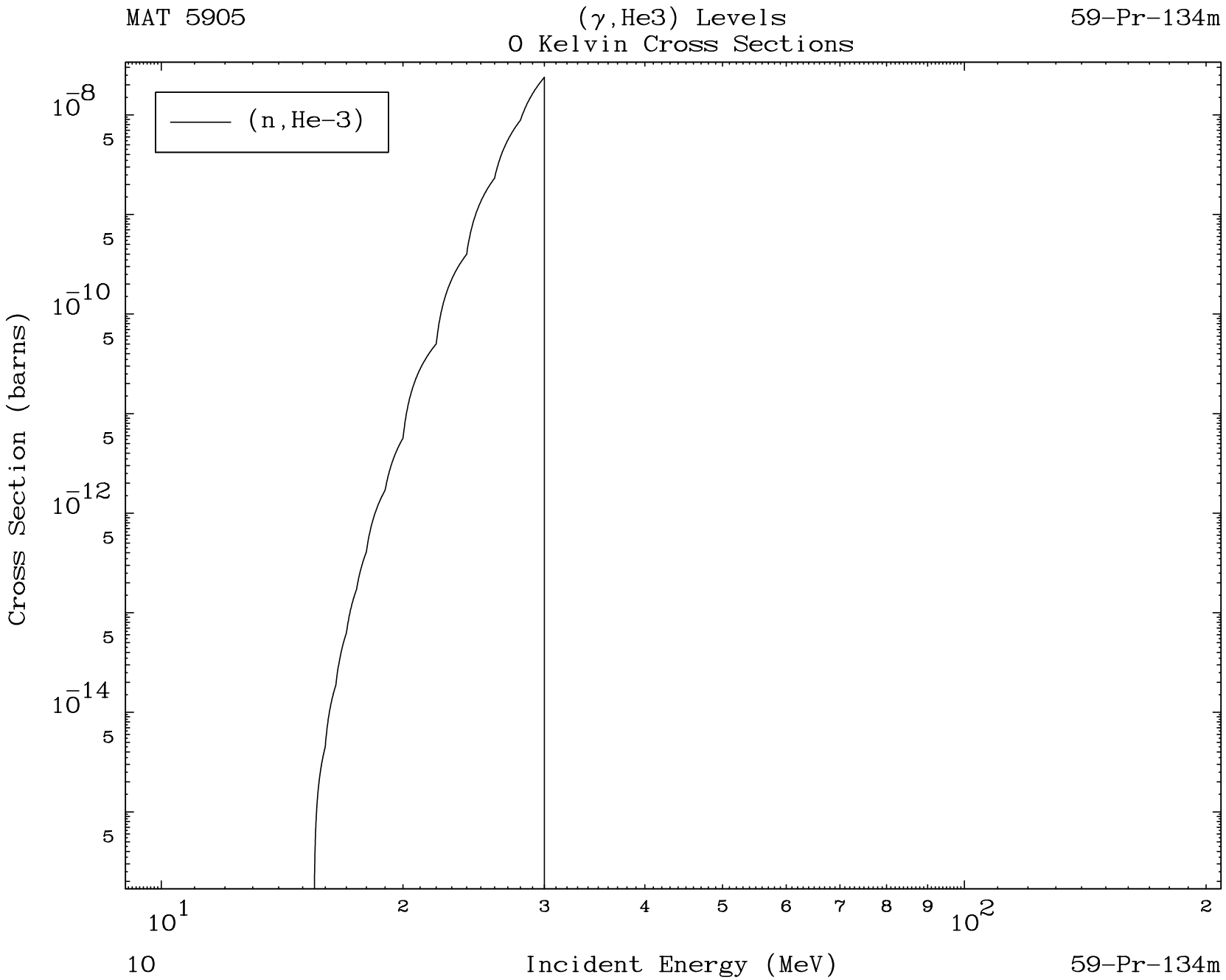

MAT 5905
Photon Charged Particle
0 Kelvin Cross Sections
59-Pr-134m
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
59-Pr-134m

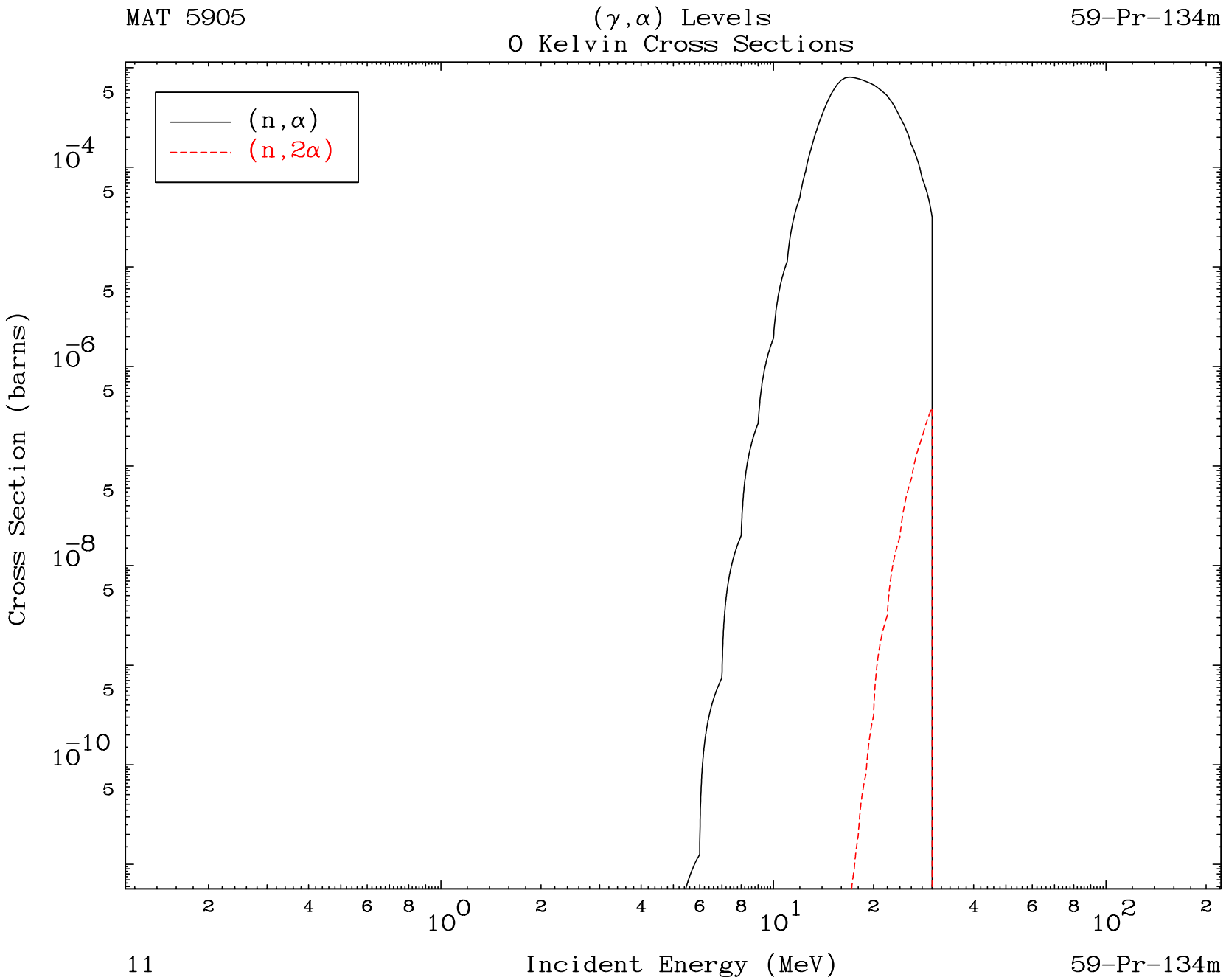

MAT 5905
(γ,n') Levels
59-Pr-134m
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
9
10 1
2
3
4
5
6
7
8
9
10 2
2
6
Incident Energy (MeV)
59-Pr-134m

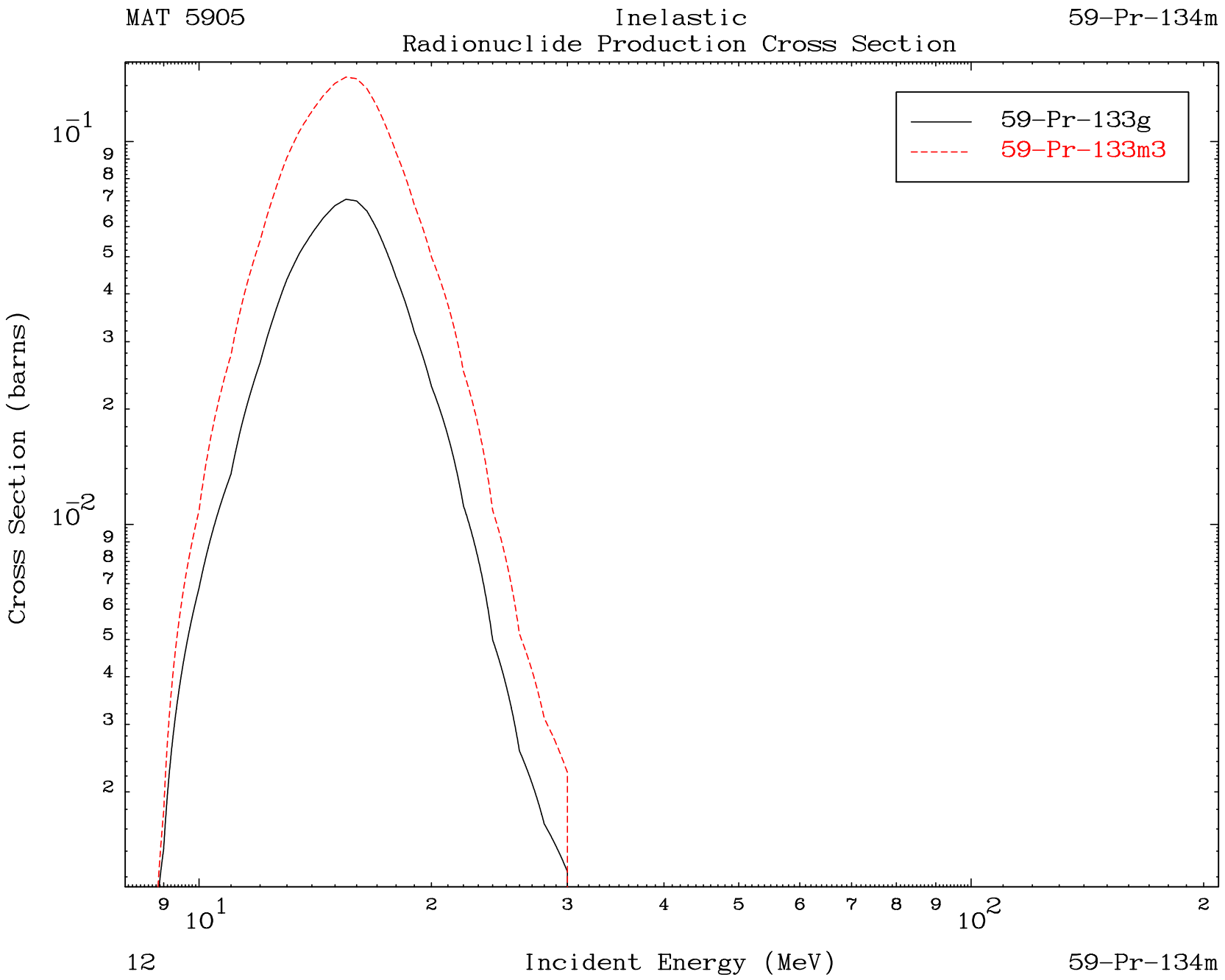

MAT 5905
(γ,p) Levels
59-Pr-134m
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
7
59-Pr-134m

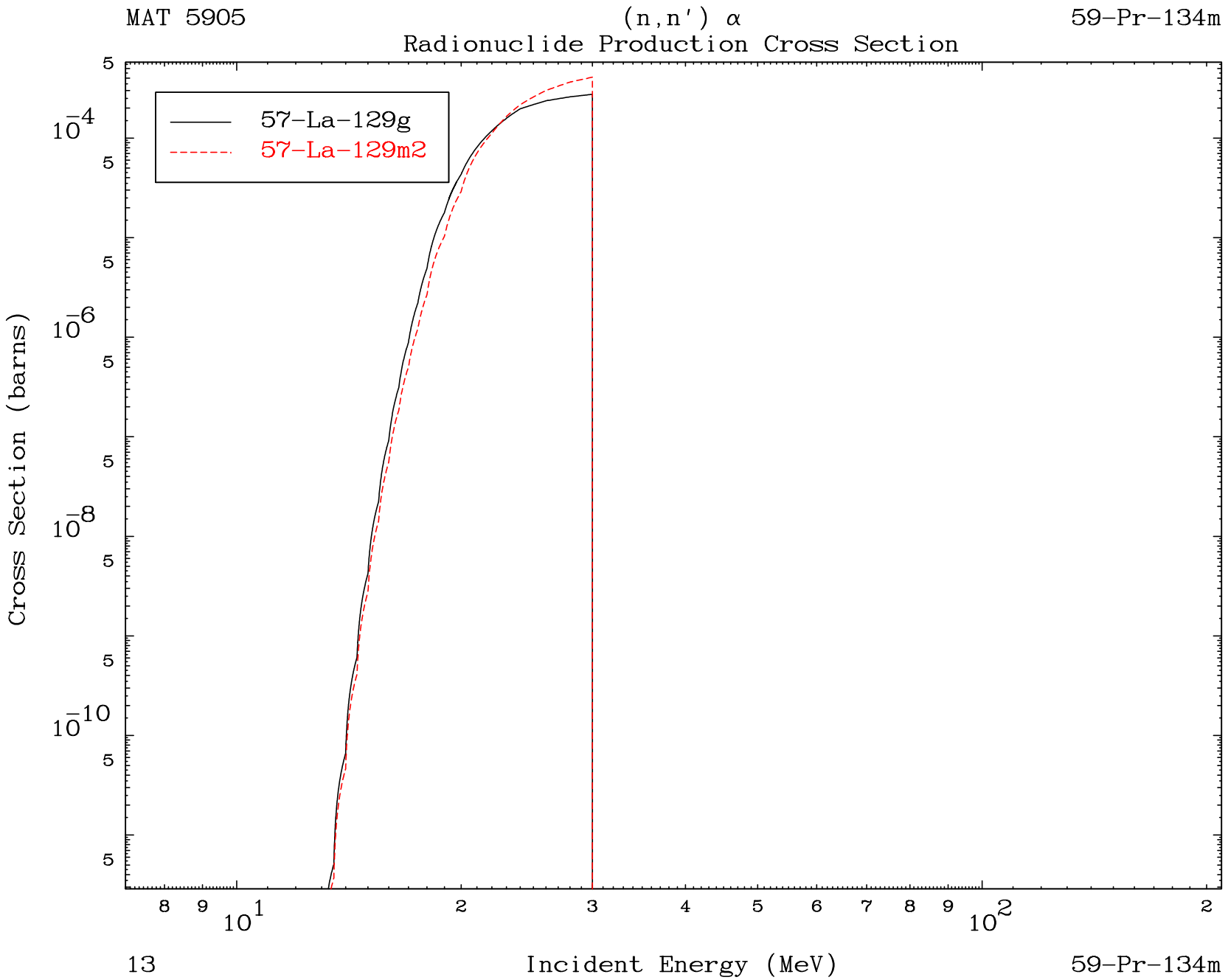

MAT 5905
(γ,d) Levels
59-Pr-134m
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
9
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
59-Pr-134m

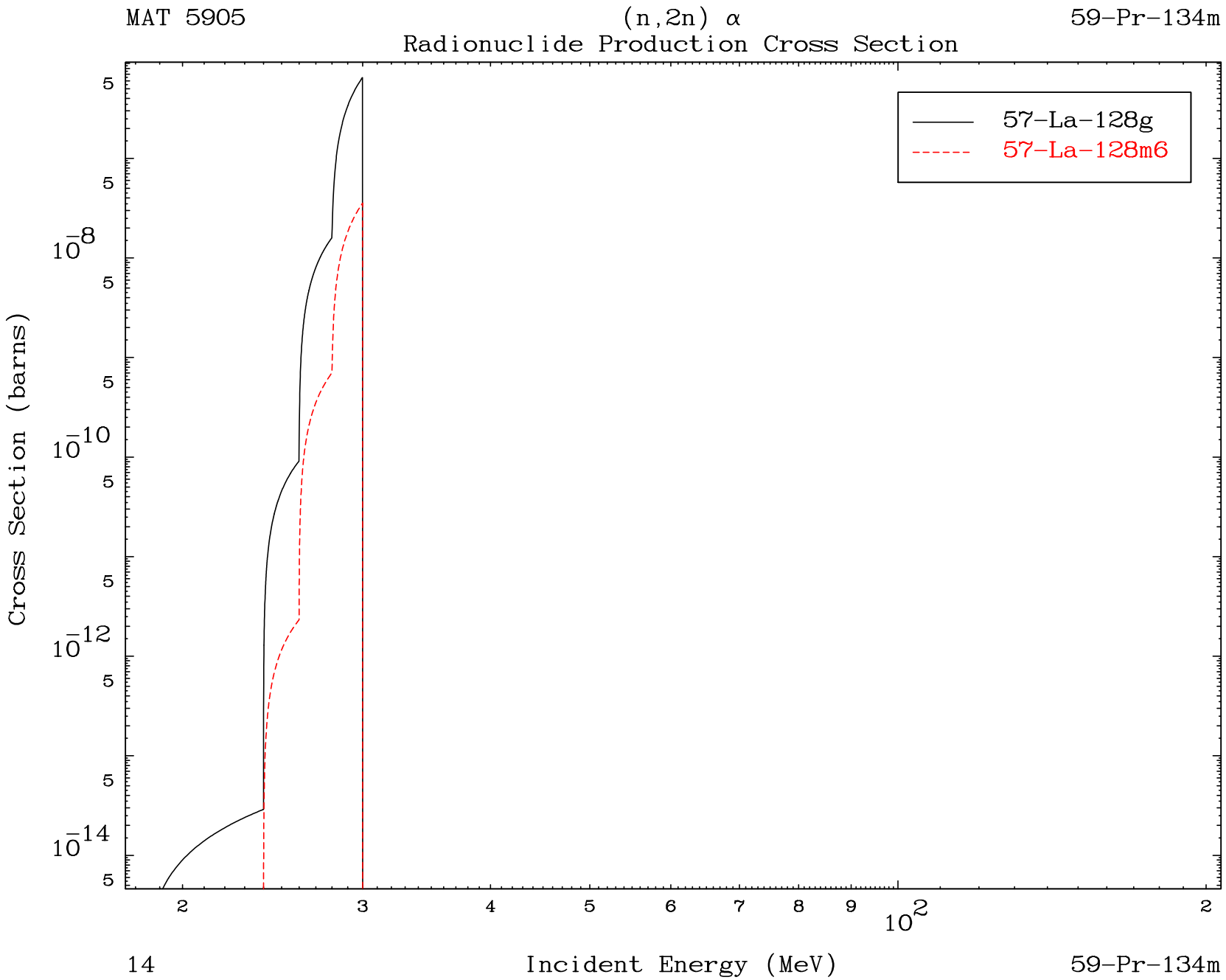

MAT 5905
(γ,t) Levels
59-Pr-134m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
59-Pr-134m

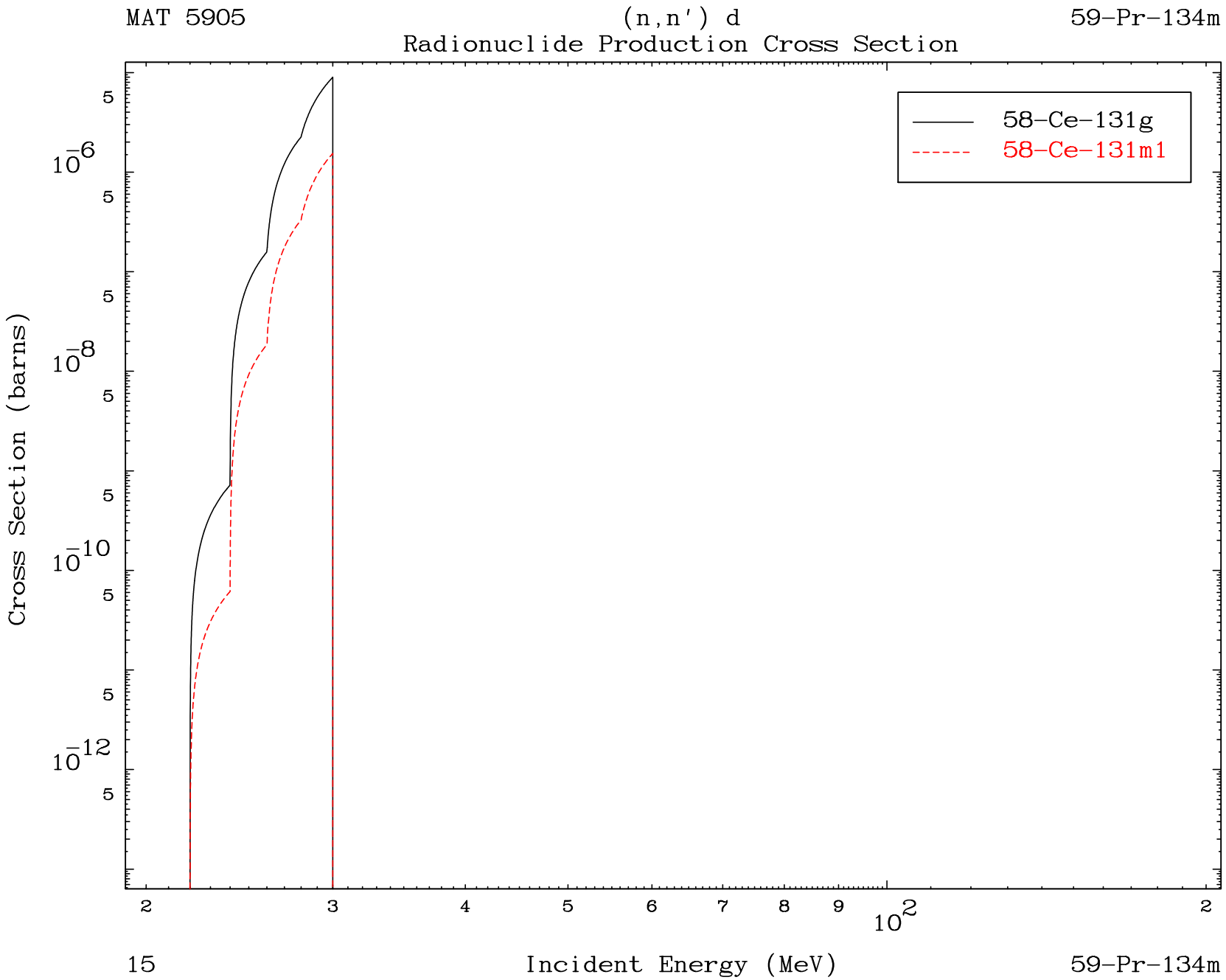

MAT 5905
(γ,He3) Levels
59-Pr-134m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^1
2
3
4
5
6
7
8
9
10^2
2
10
Incident Energy (MeV)
59-Pr-134m

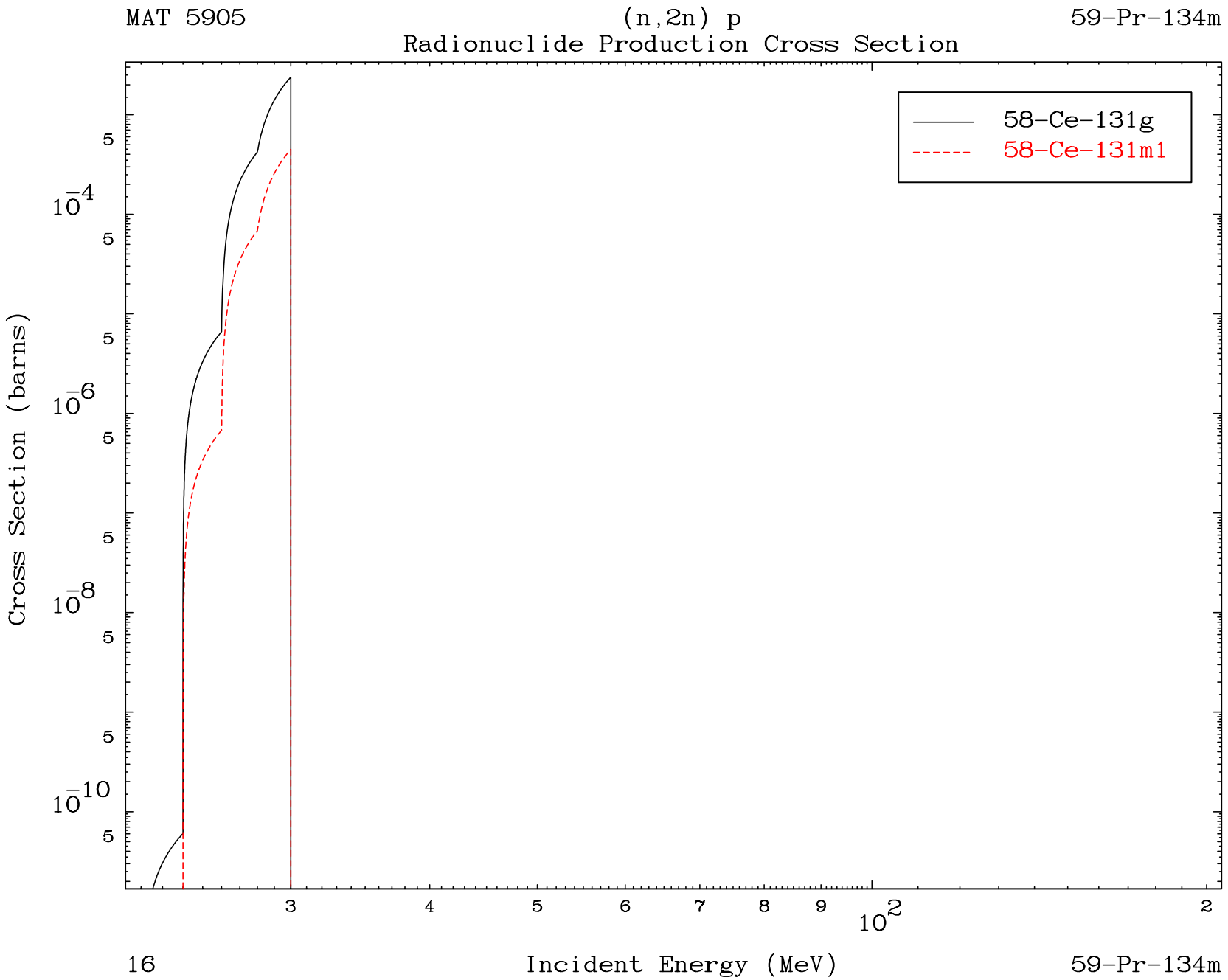

MAT 5905
(γ,α) Levels
59-Pr-134m
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
59-Pr-134m

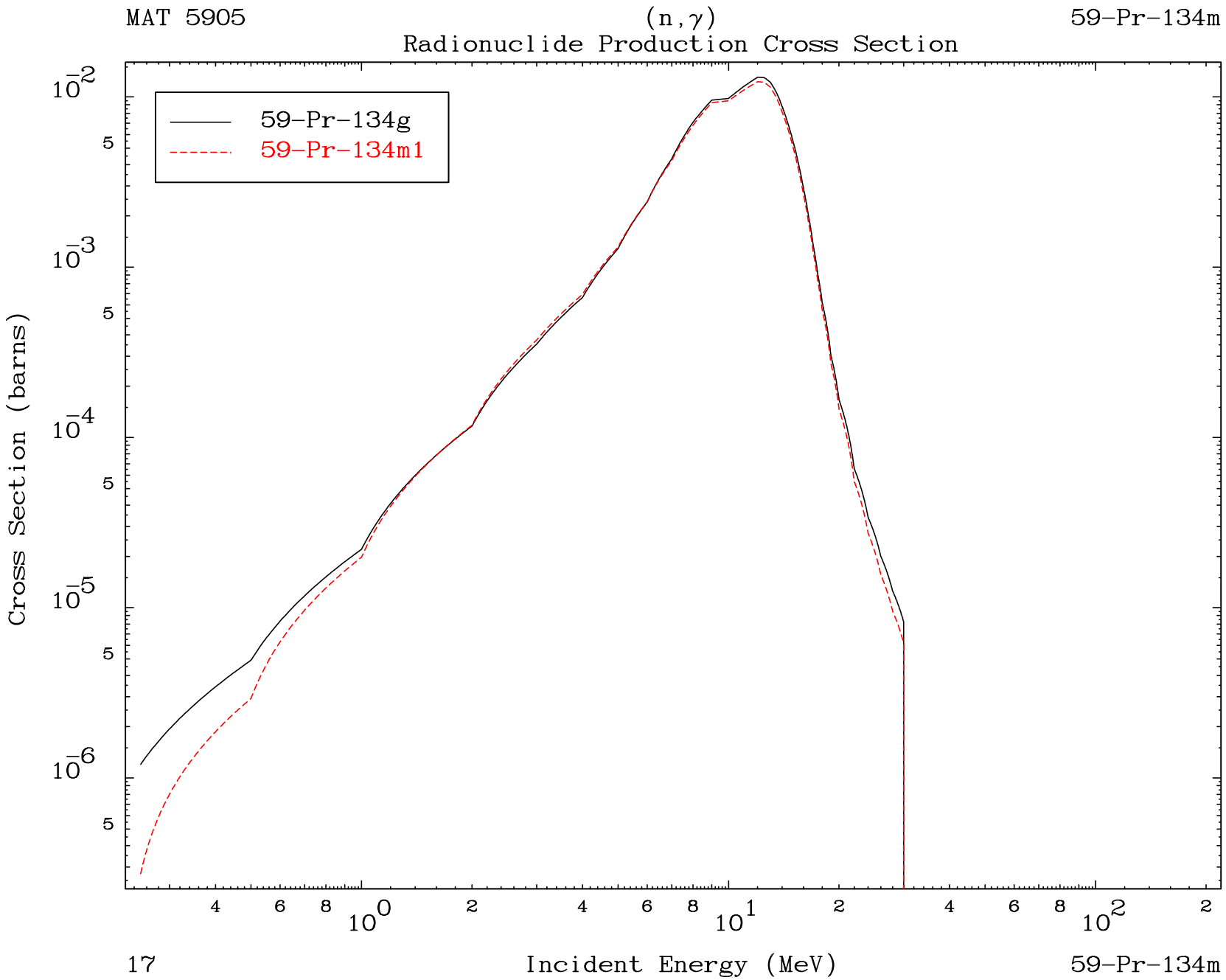

MAT 5905
Inelastic
59-Pr-134m
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
Incident Energy (MeV)
12
59-Pr-134m

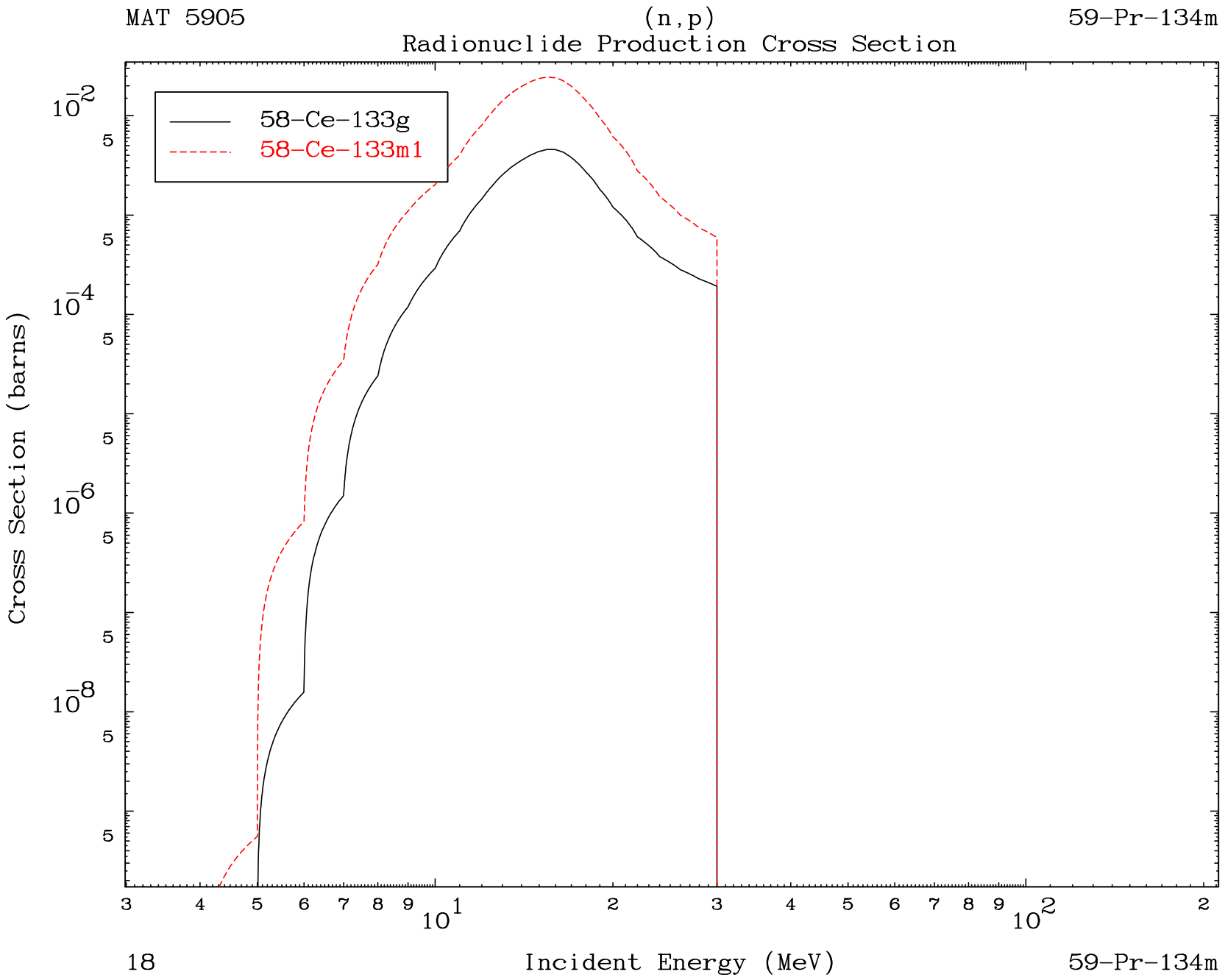

MAT 5905
(n,n') α
59-Pr-134m
Radionuclide Production Cross Section
57-La-129g
57-La-129m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
13
59-Pr-134m

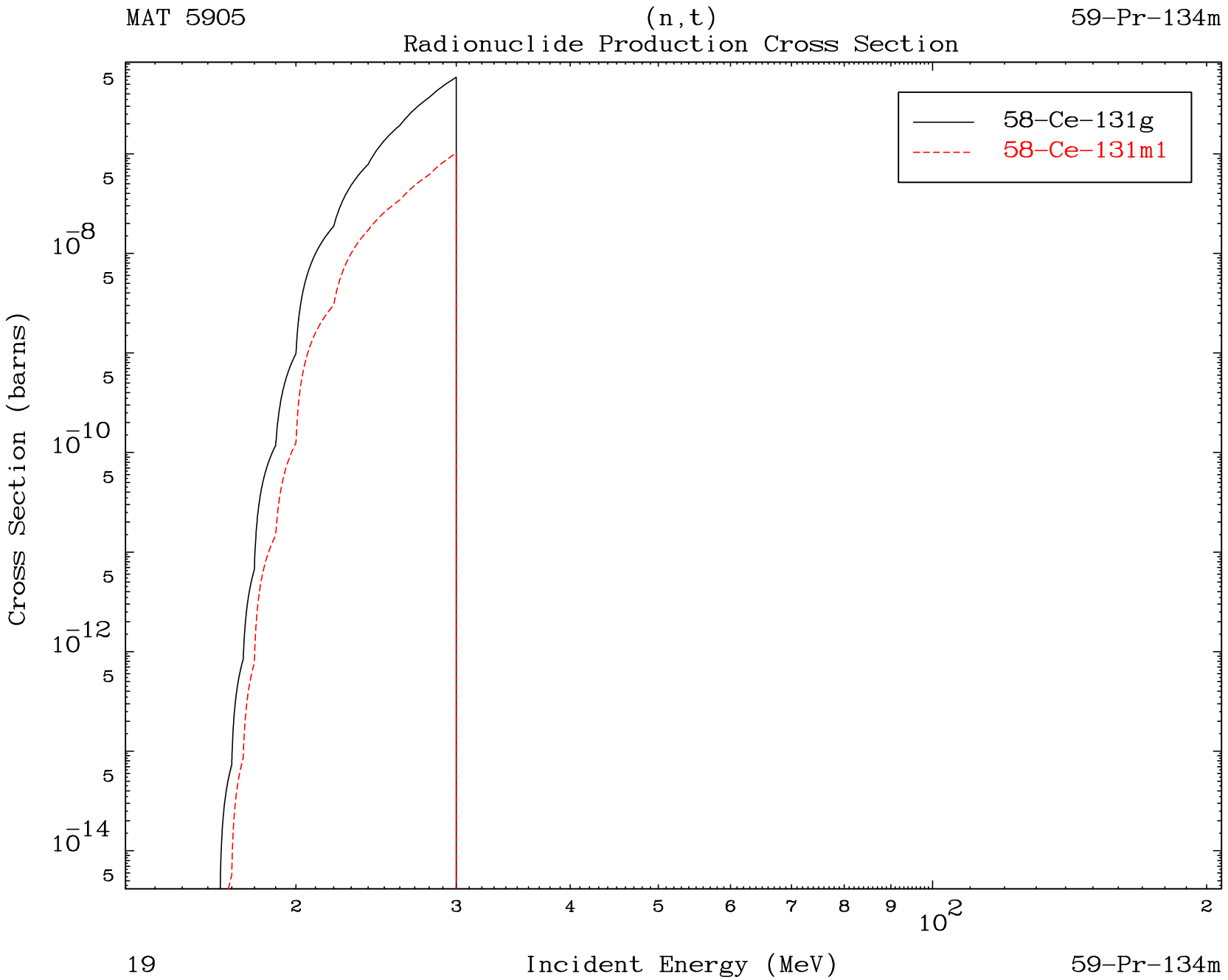

MAT 5905
(n,2n) α
59-Pr-134m
Radionuclide Production Cross Section
57-La-128g
57-La-128m6
Cross Section (barns)
Incident Energy (MeV)
14
59-Pr-134m

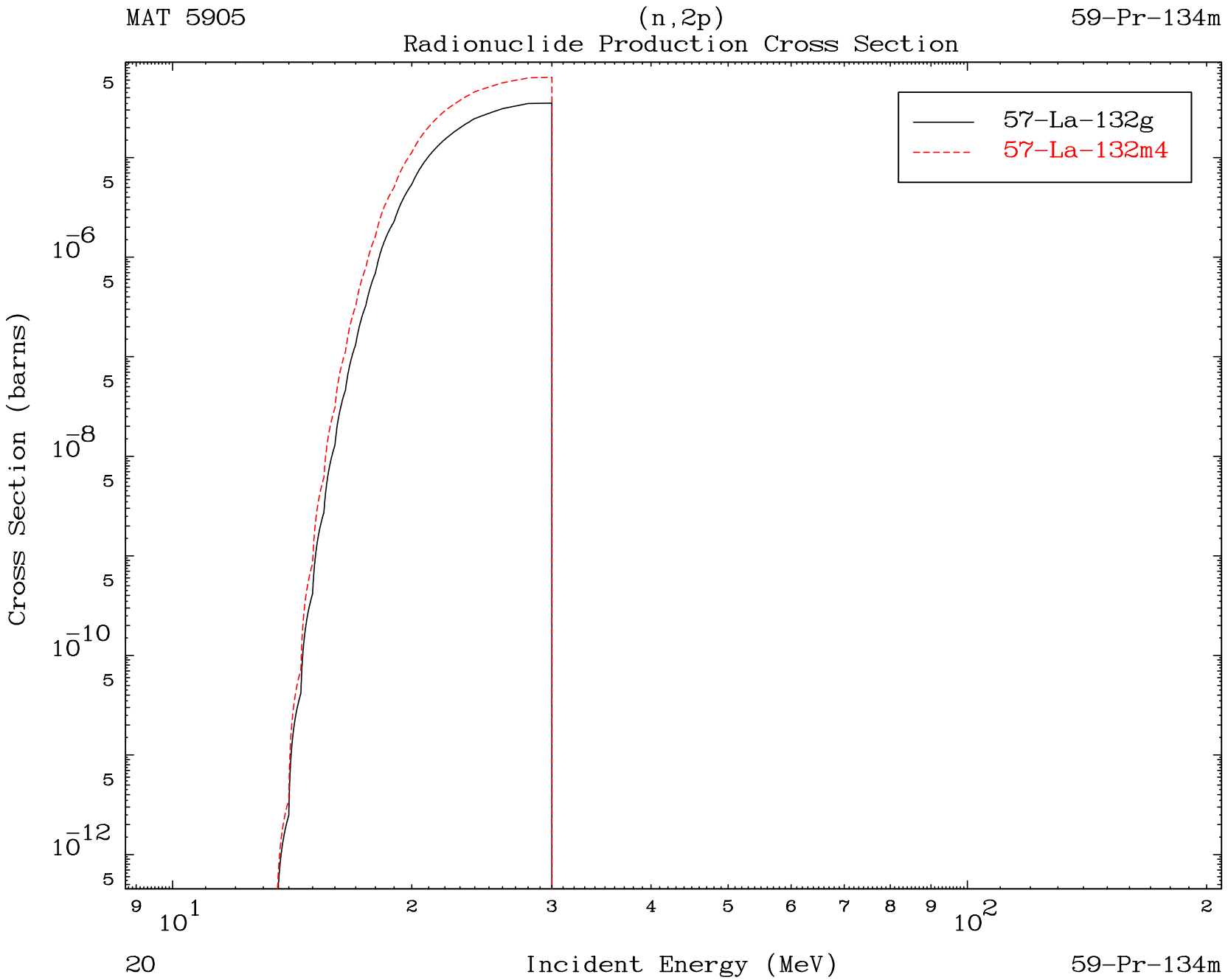

MAT 5905
(n,n') d
59-Pr-134m
Radionuclide Production Cross Section
58-Ce-131g
58-Ce-131m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
59-Pr-134m

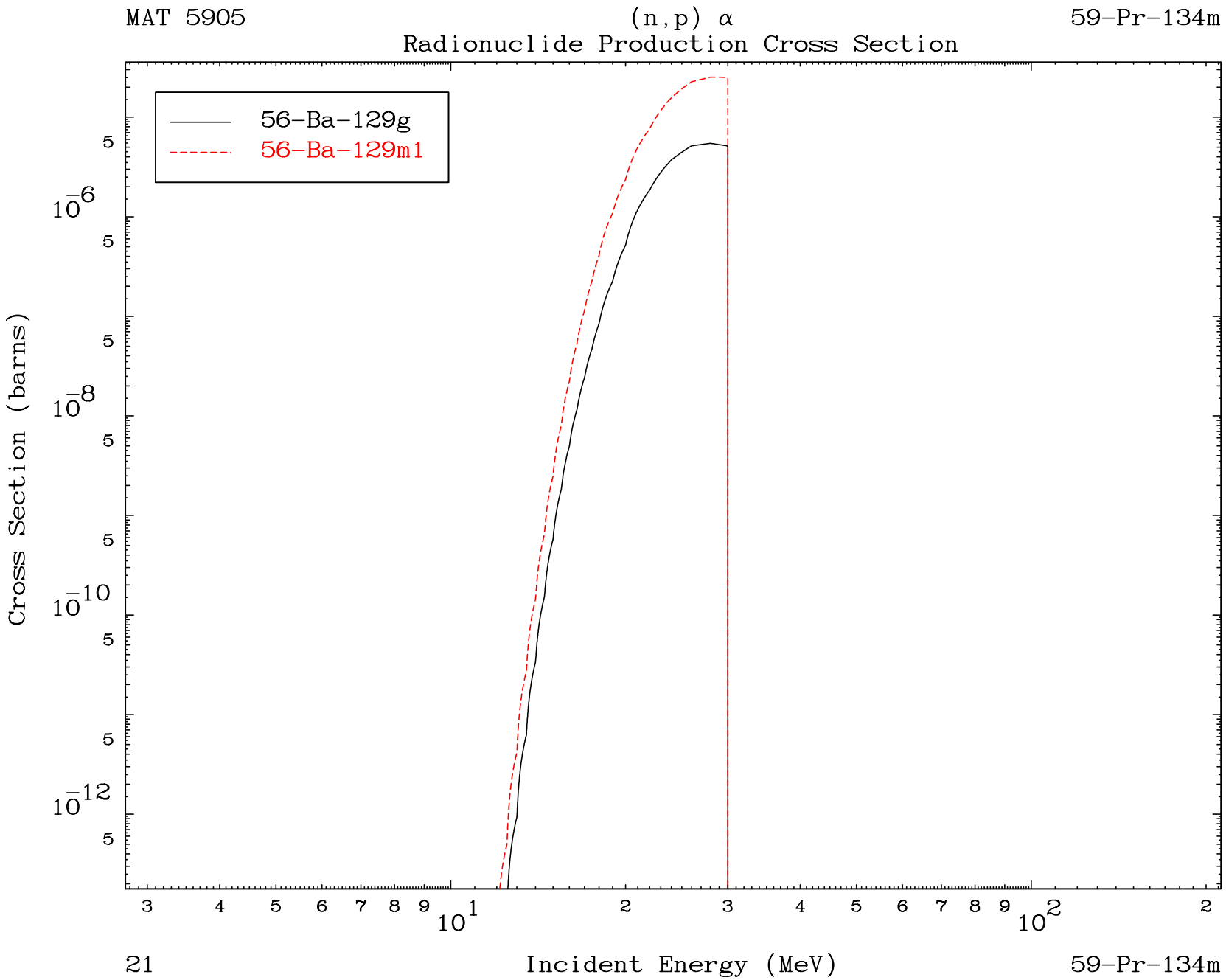

MAT 5905
(n,2n) p
59-Pr-134m
Radionuclide Production Cross Section
58-Ce-131g
58-Ce-131m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
59-Pr-134m


MAT 5905
(n,γ)
59-Pr-134m
Radionuclide Production Cross Section
59-Pr-134g
59-Pr-134m1
Cross Section (barns)
Incident Energy (MeV)
17
59-Pr-134m


MAT 5905
(n,p)
59-Pr-134m
Radionuclide Production Cross Section
58-Ce-133g
58-Ce-133m1
Cross Section (barns)
Incident Energy (MeV)
18
59-Pr-134m


MAT 5905
(n,t)
59-Pr-134m
Radionuclide Production Cross Section
58-Ce-131g
58-Ce-131m1
Cross Section (barns)
Incident Energy (MeV)
19
59-Pr-134m


MAT 5905
(n,2p)
59-Pr-134m
Radionuclide Production Cross Section
57-La-132g
57-La-132m4
Cross Section (barns)
Incident Energy (MeV)
59-Pr-134m
20


MAT 5905
(n,p) α
59-Pr-134m
Radionuclide Production Cross Section
56-Ba-129g
56-Ba-129m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
21
Incident Energy (MeV)
59-Pr-134m