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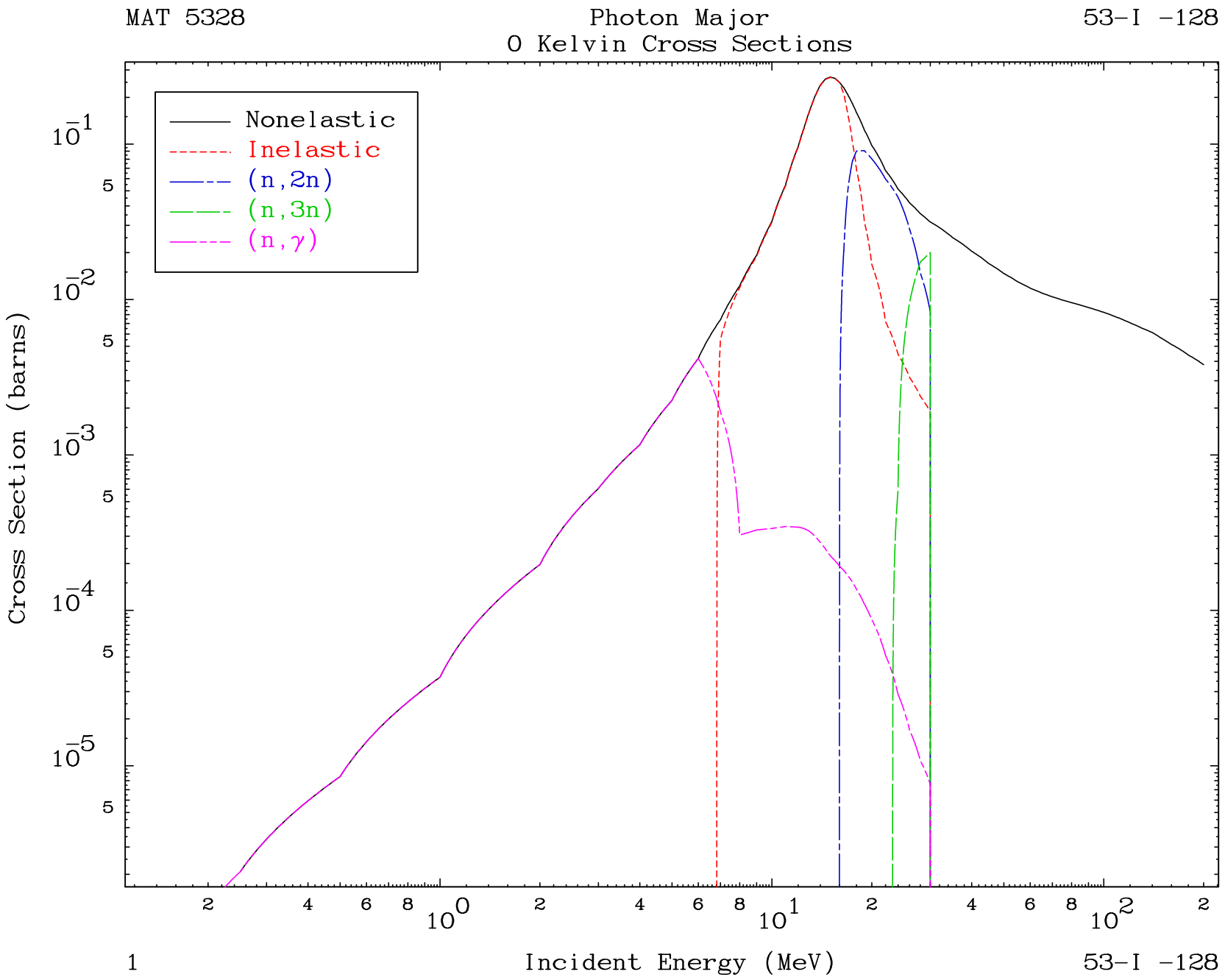
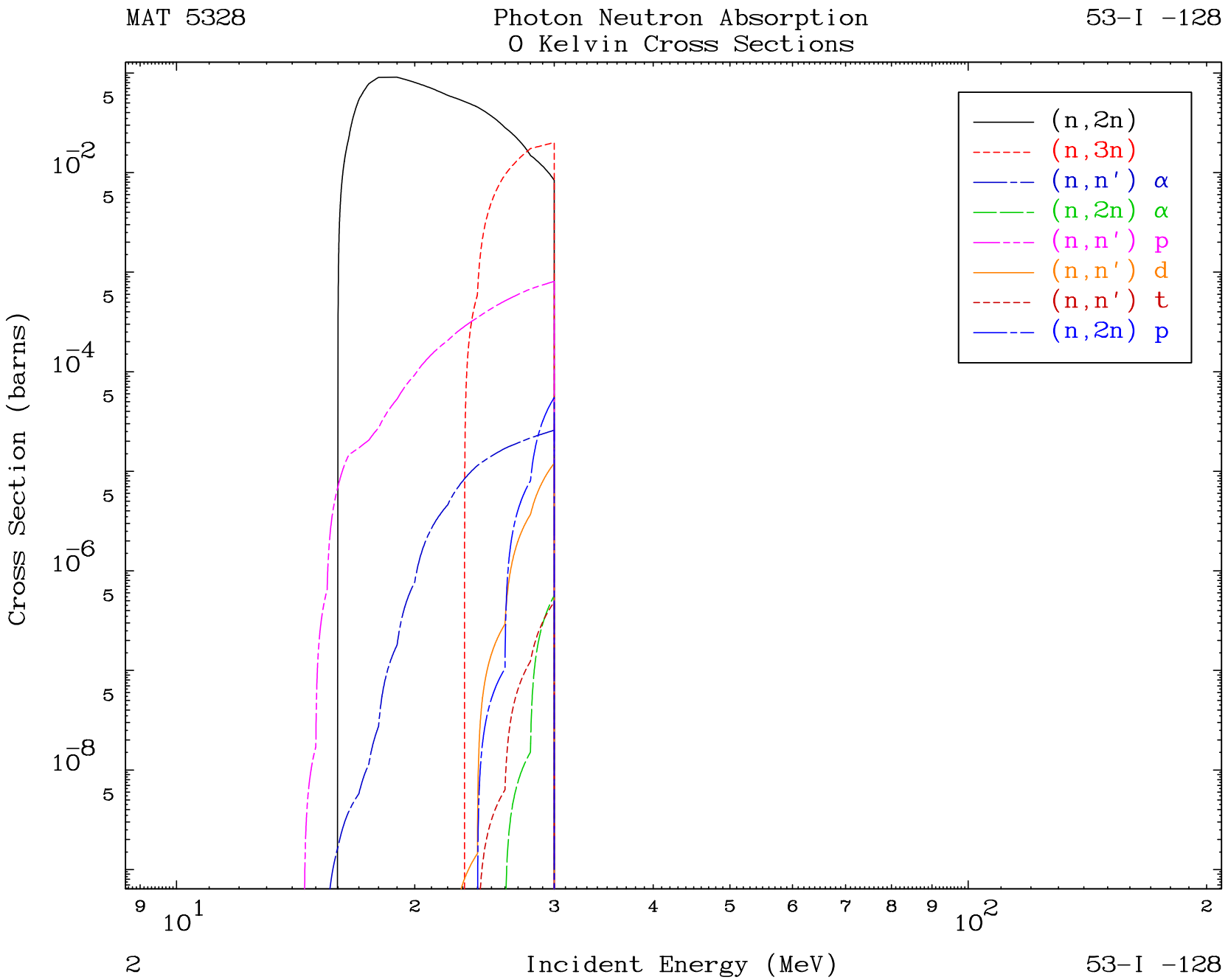
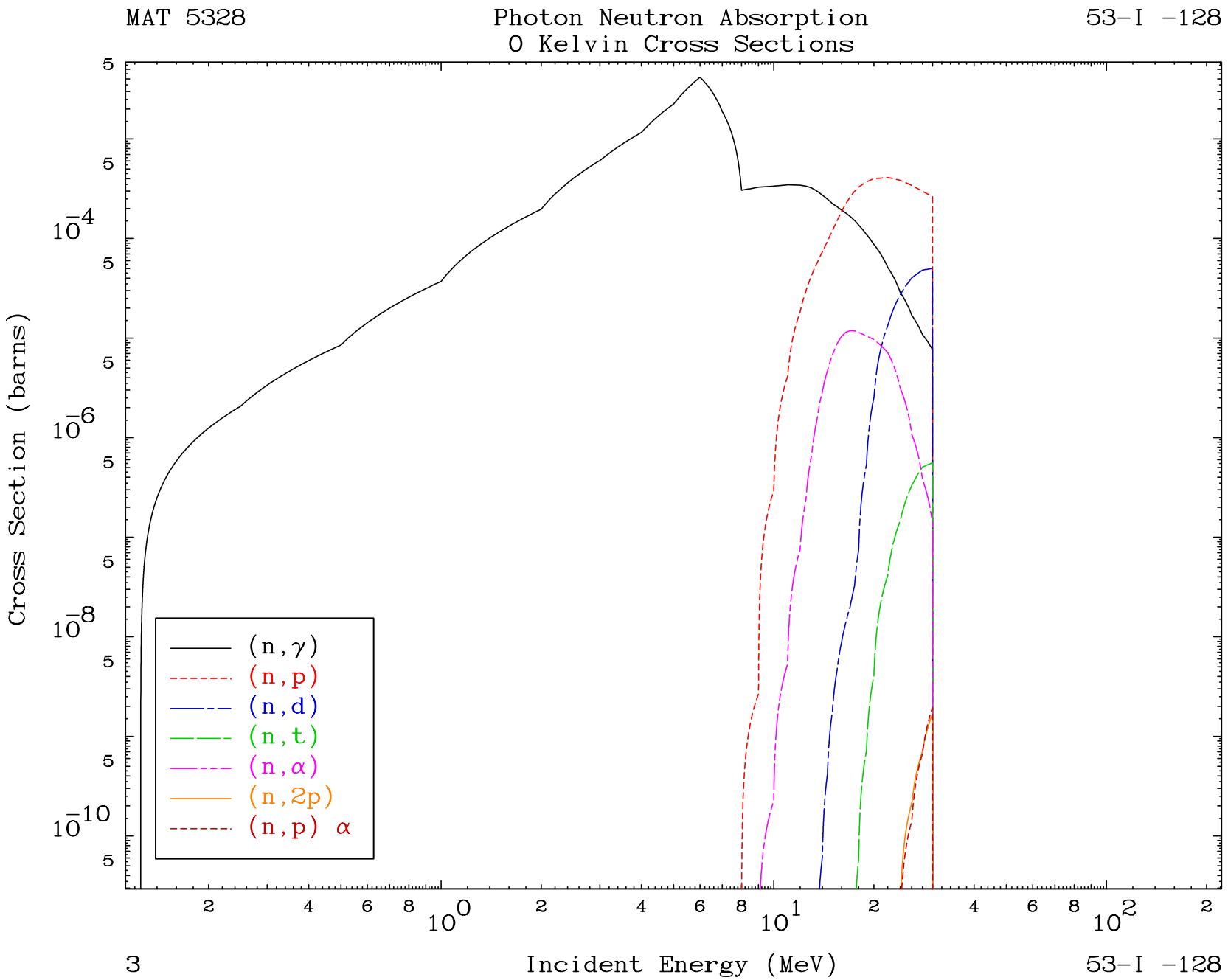
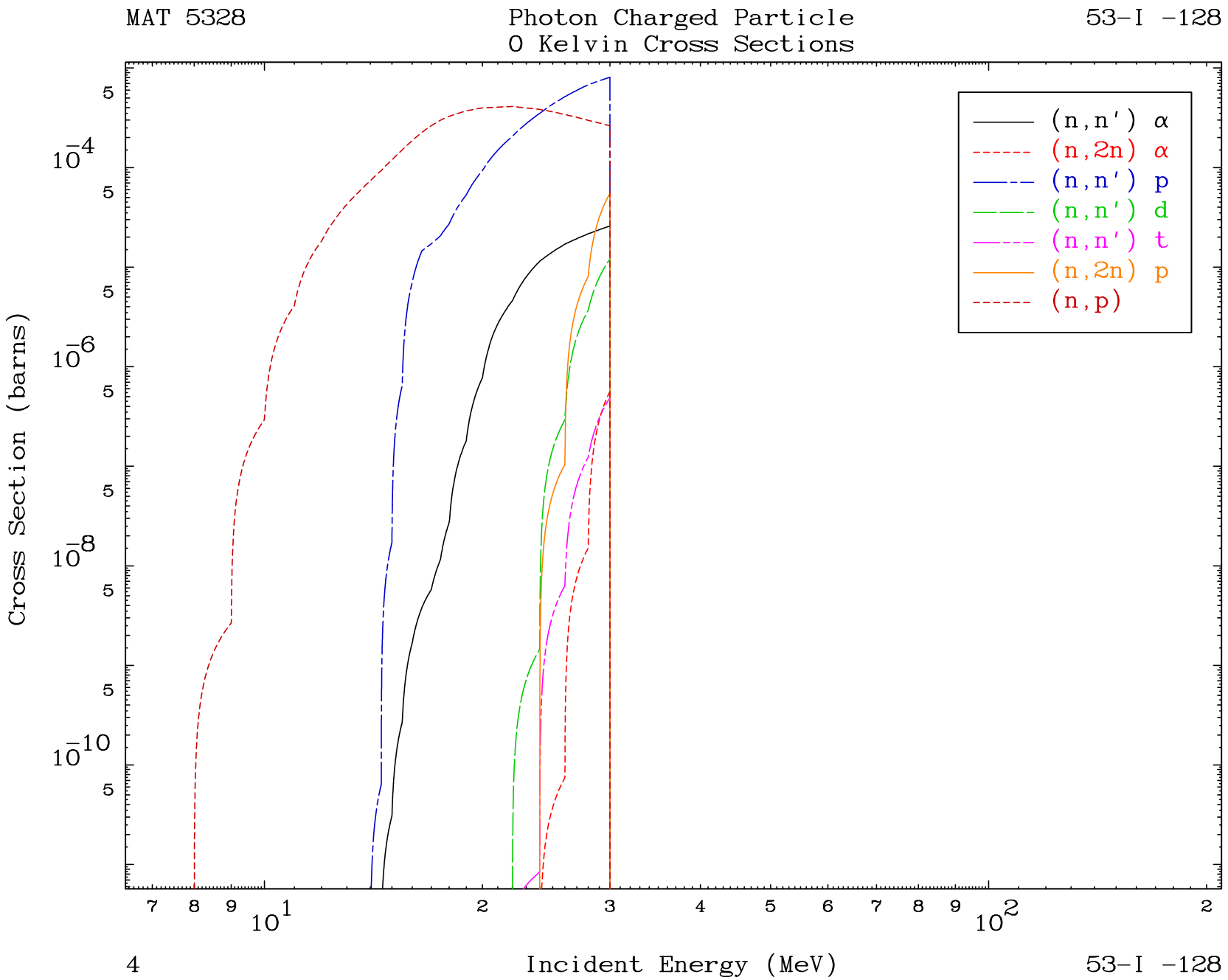
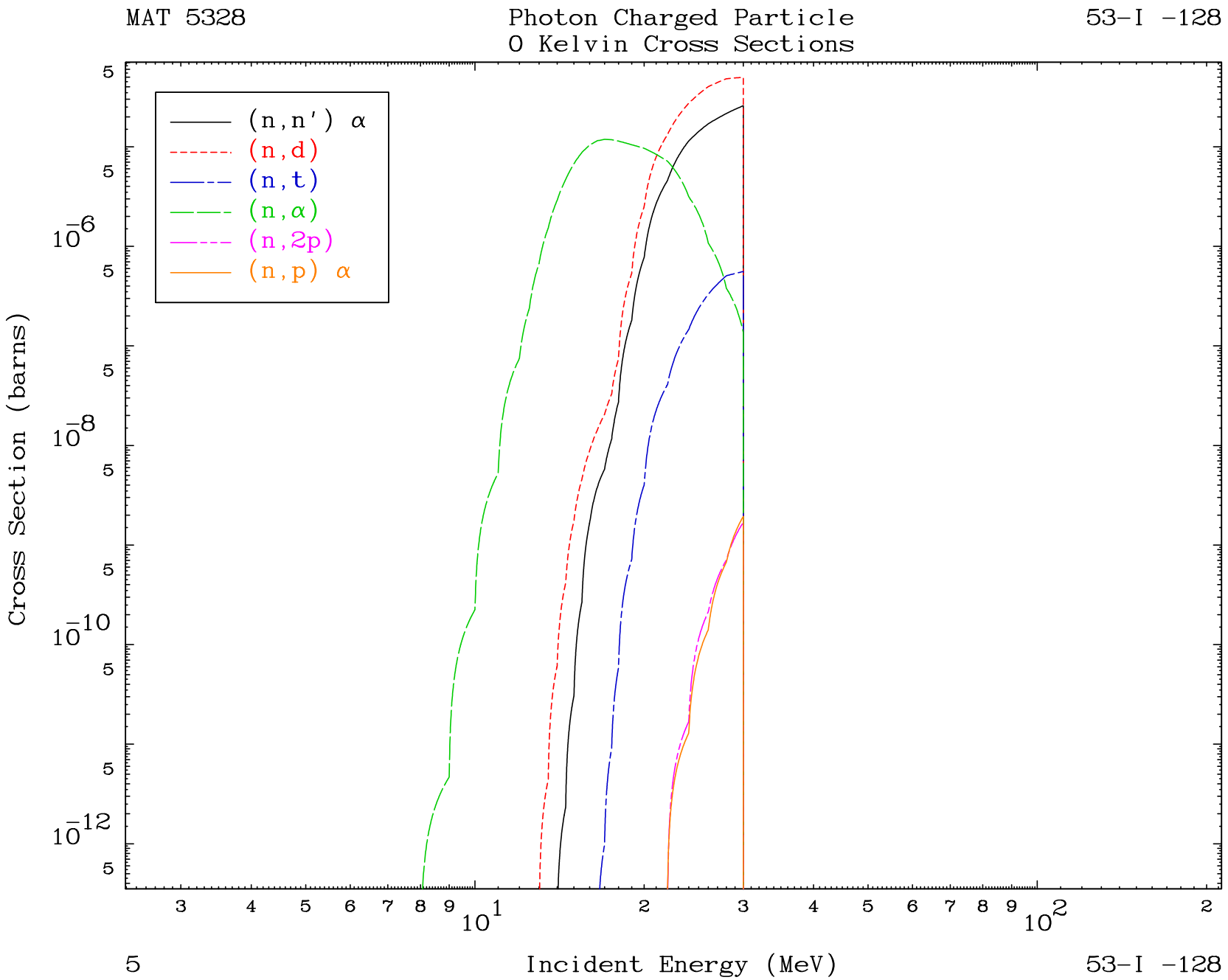
Press Mouse Button to Start

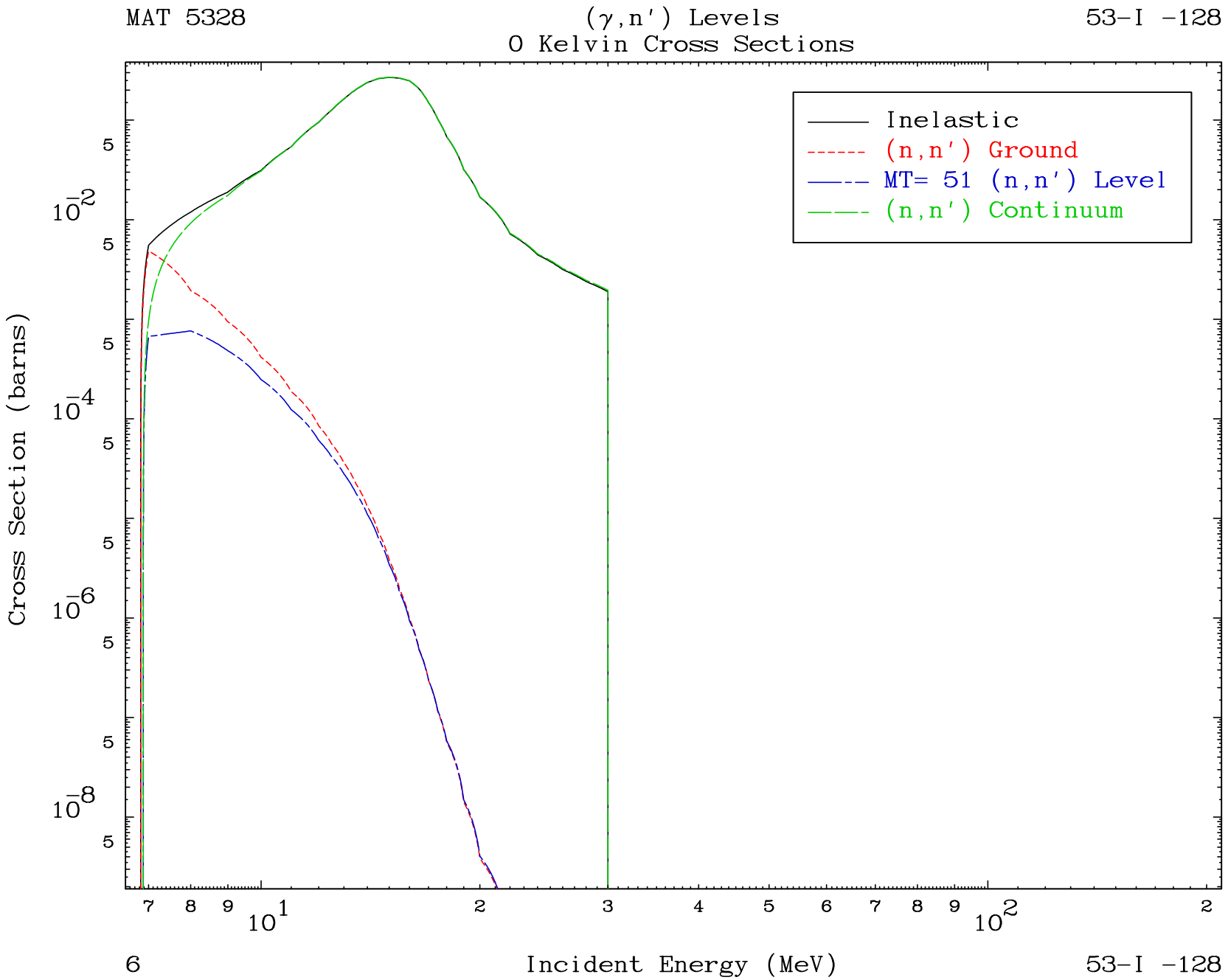

MAT 5328
Photon Major
53-I -128
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
53-I -128
1

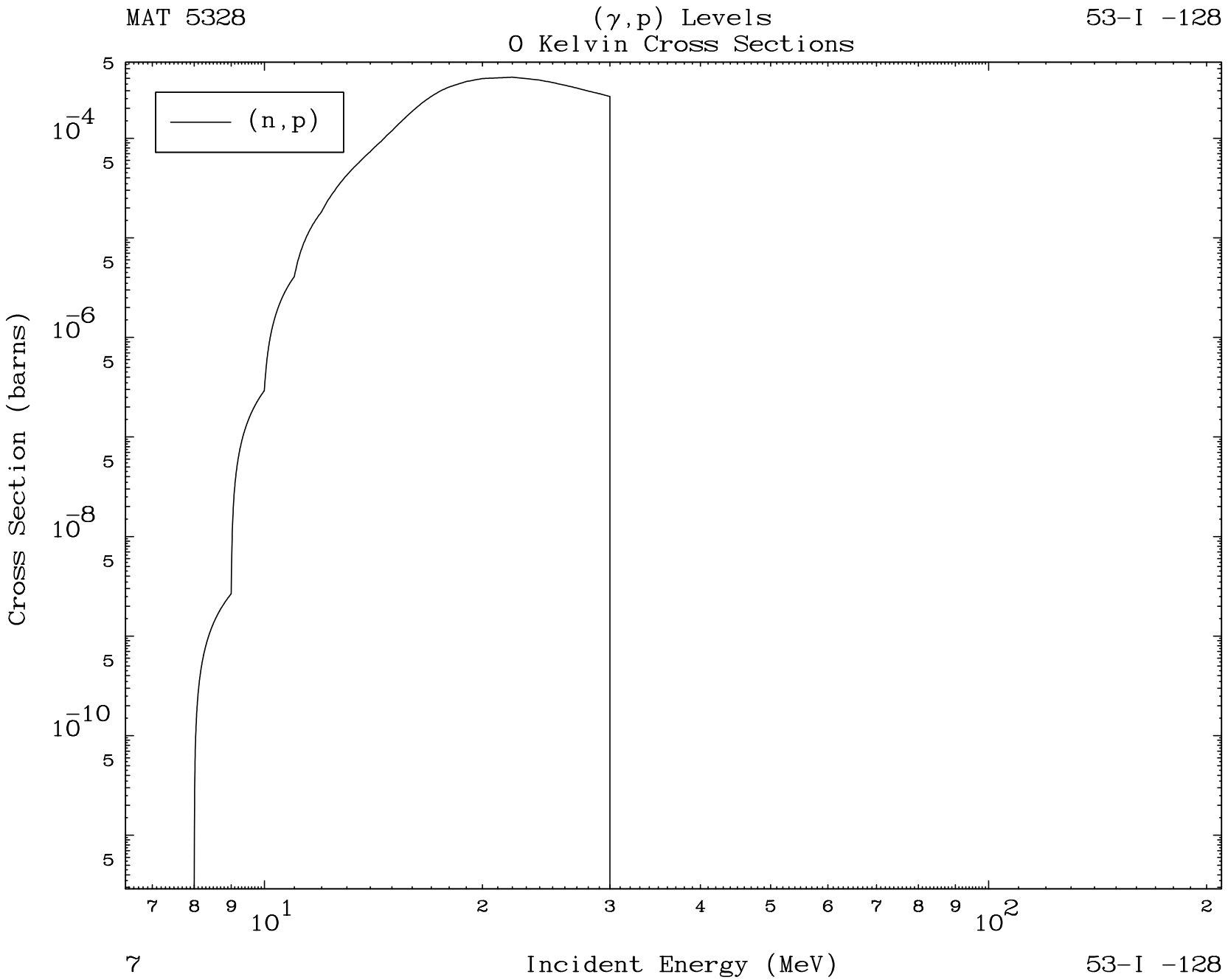

MAT 5328
Photon Neutron Absorption
0 Kelvin Cross Sections
53-I -128
Cross Section (barns)
Incident Energy (MeV)
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
53-I -128

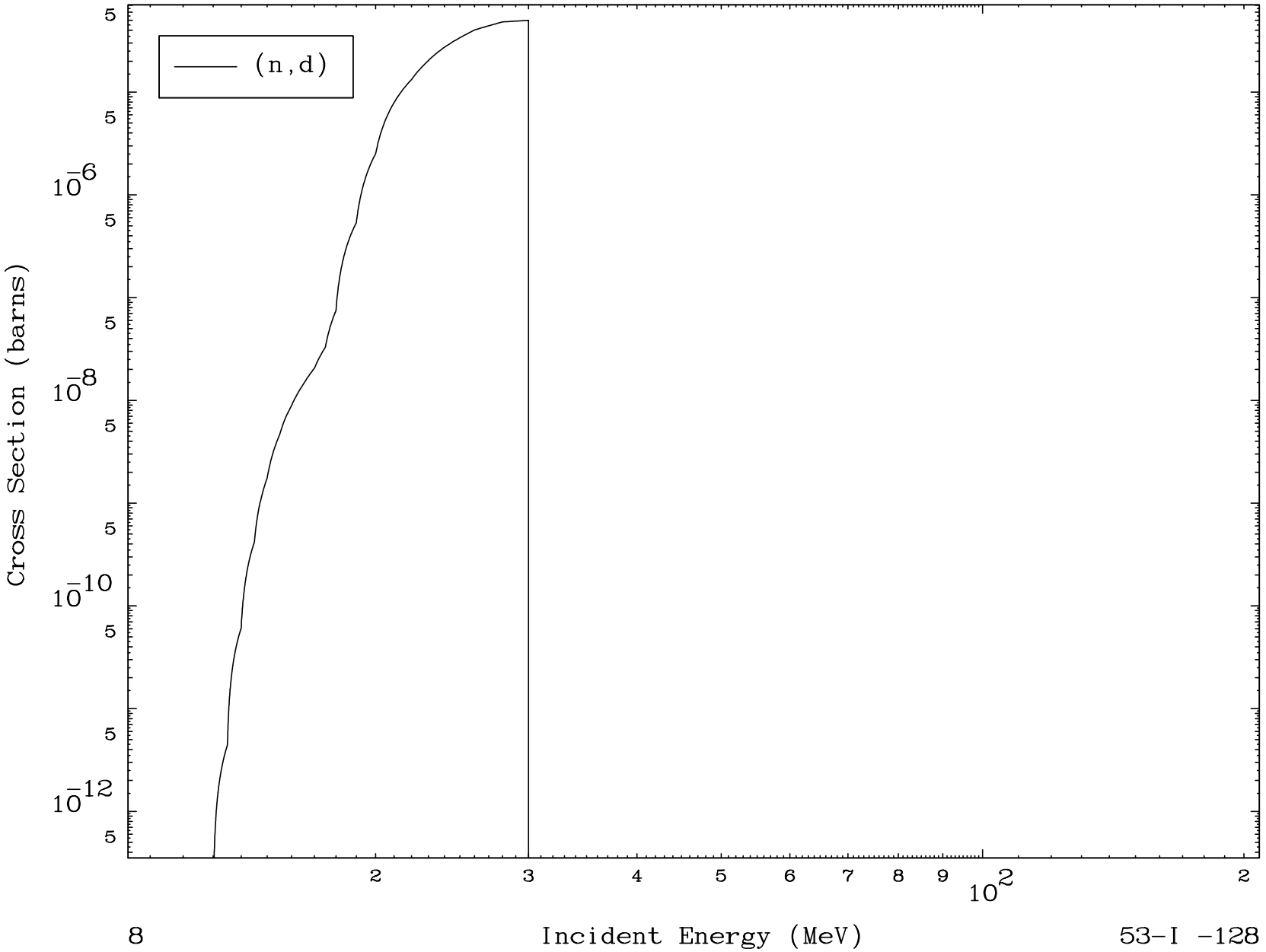

MAT 5328
Photon Neutron Absorption
0 Kelvin Cross Sections
53-I -128
Cross Section (barns)
Incident Energy (MeV)
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
(n,2p)
(n,p) α
3
53-I -128

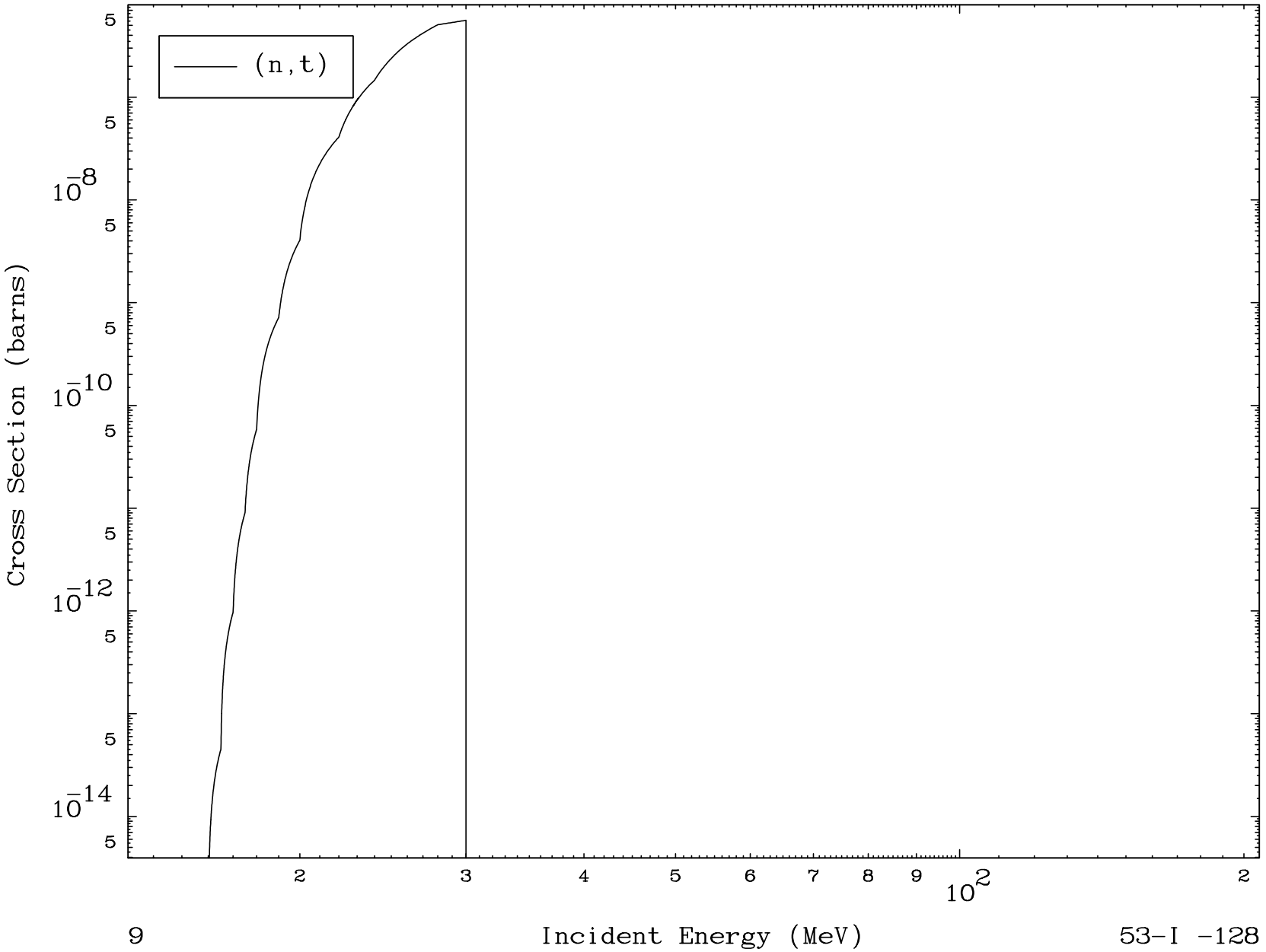

MAT 5328
Photon Charged Particle
0 Kelvin Cross Sections
53-I -128
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,2n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
4
53-I -128

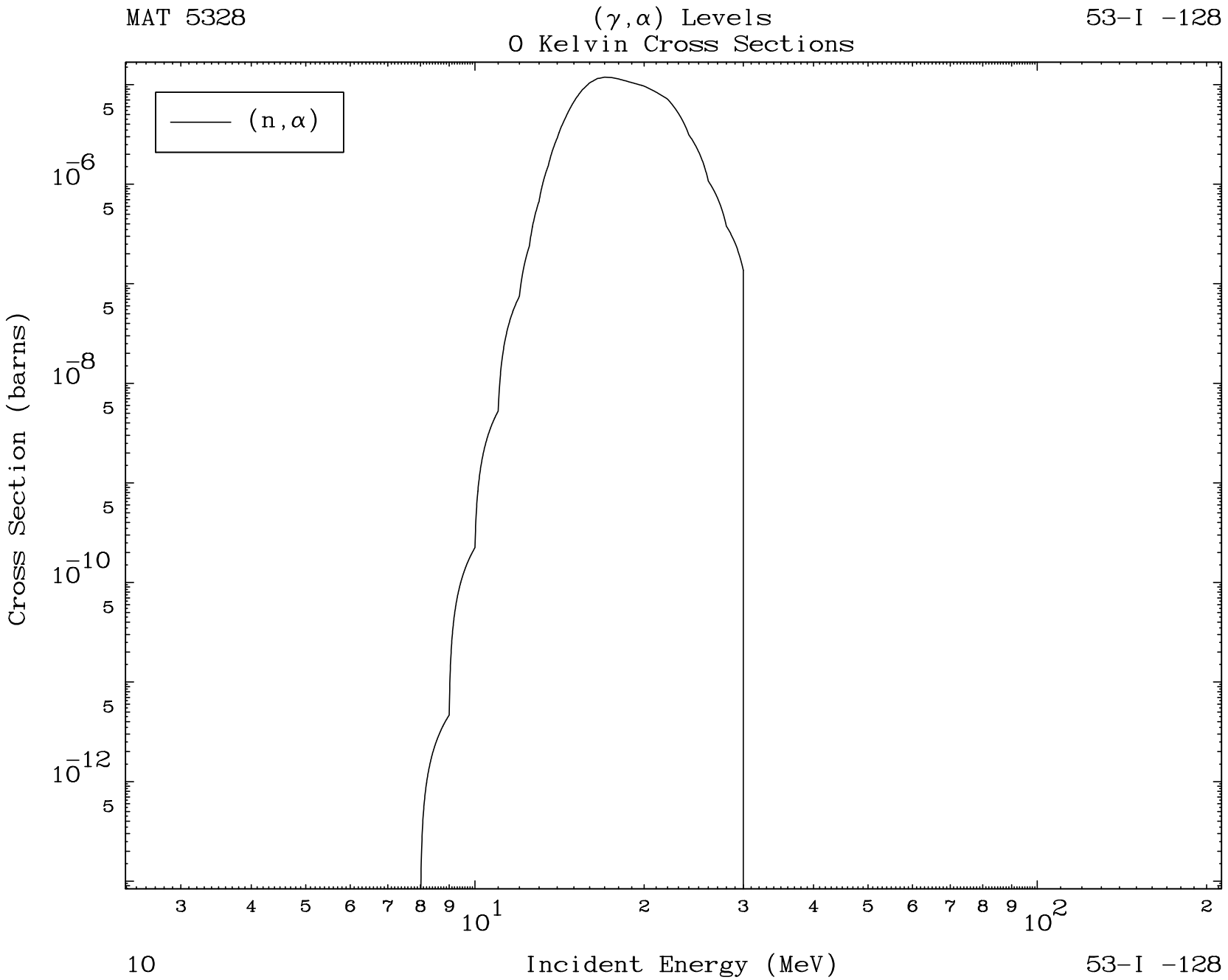

MAT 5328
Photon Charged Particle
0 Kelvin Cross Sections
53-I -128
(n,n') α
(n,d)
(n,t)
(n,α)
(n,2p)
(n,p) α
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
Incident Energy (MeV)
53-I -128

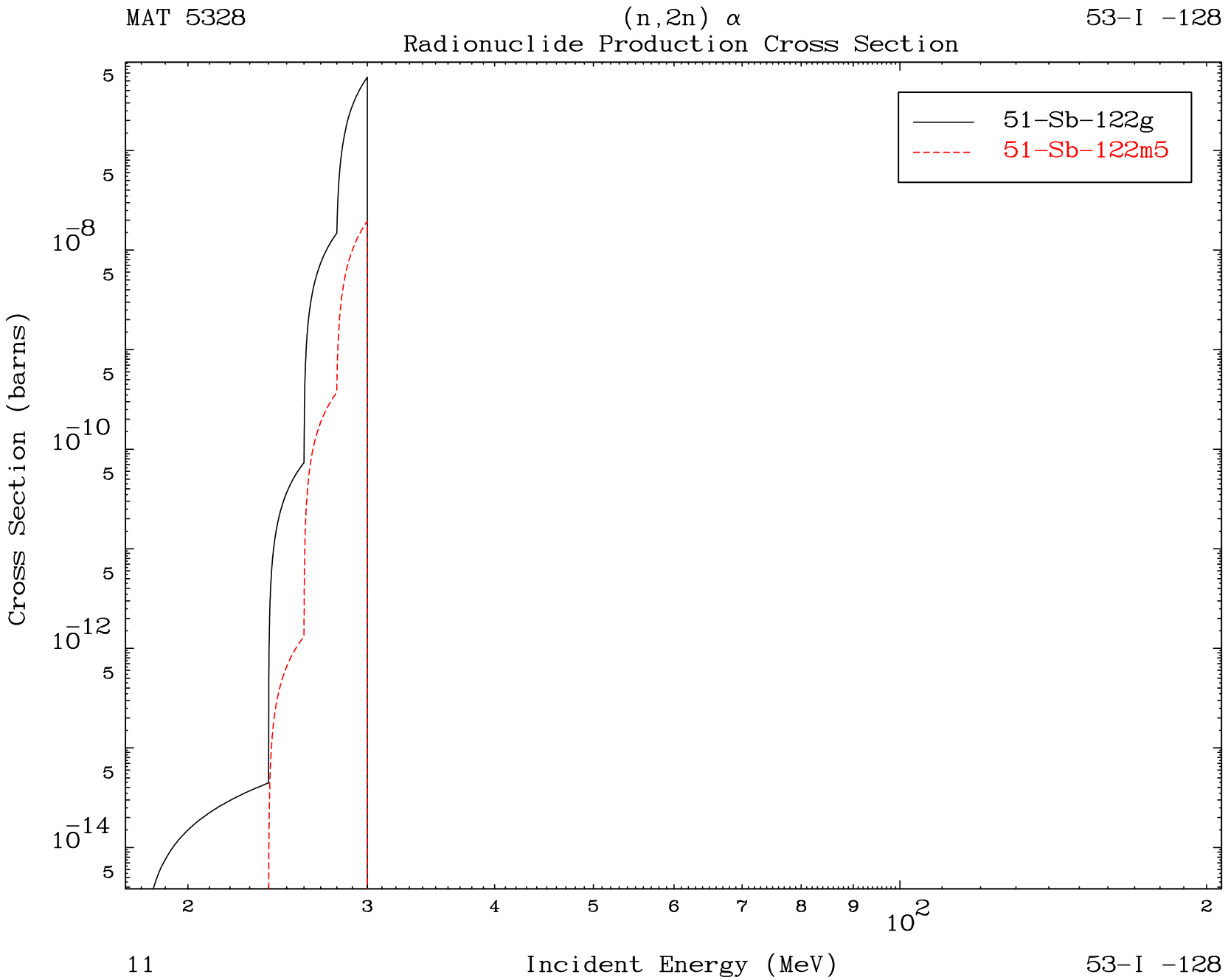

MAT 5328
(γ,n') Levels
53-I -128
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
5
7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
6
53-I -128

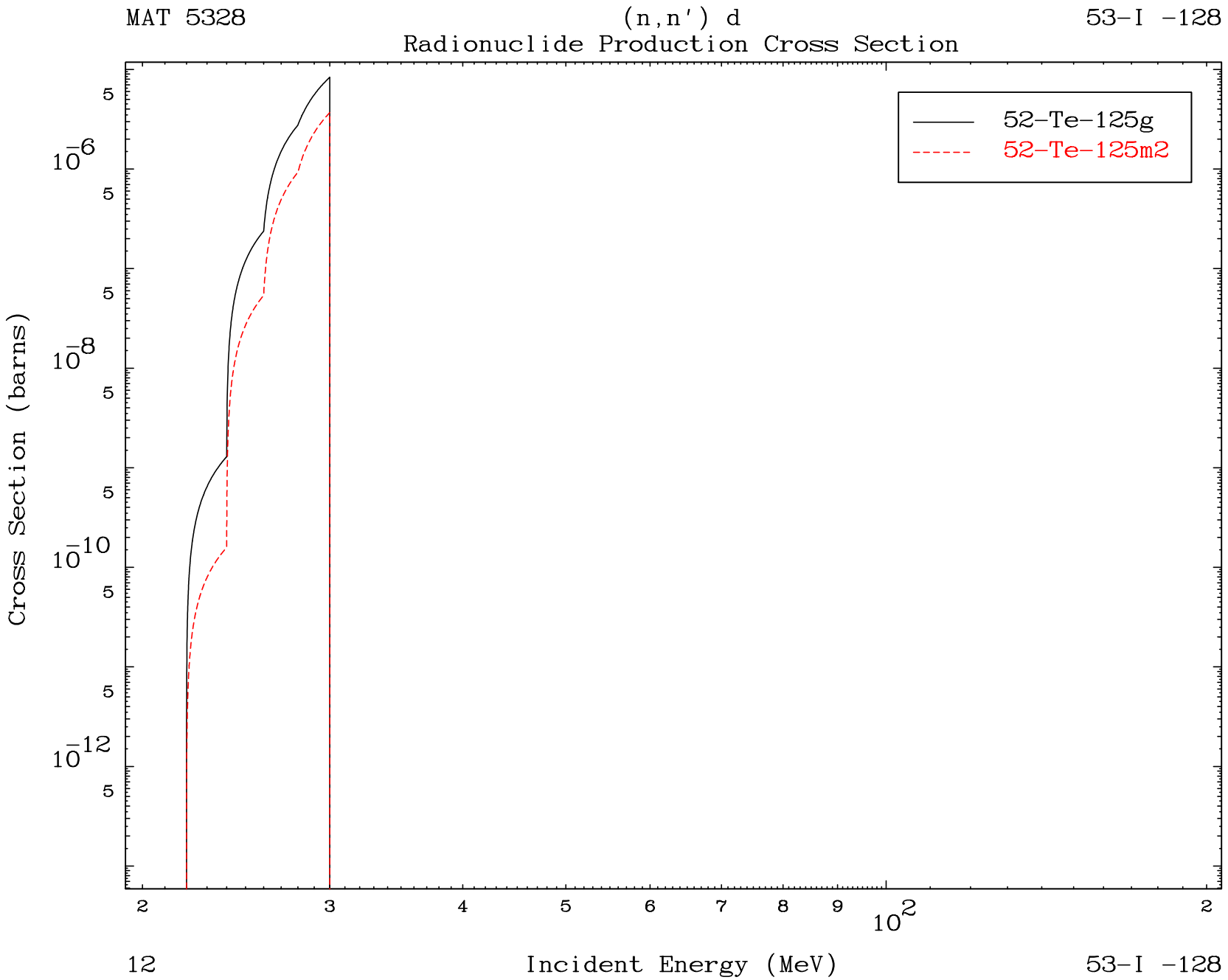

MAT 5328
(γ,p) Levels
53-I -128
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
7
53-I -128

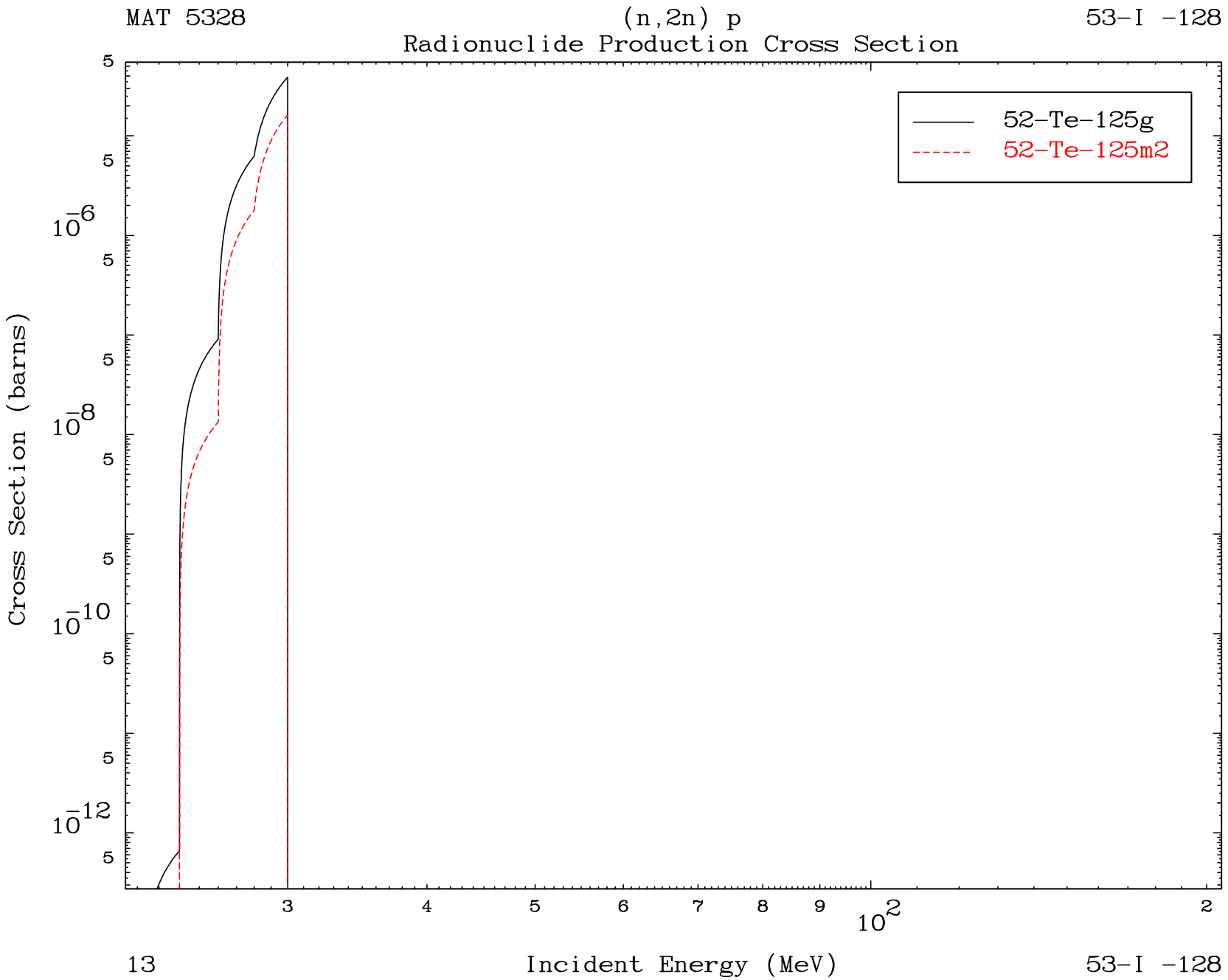

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)

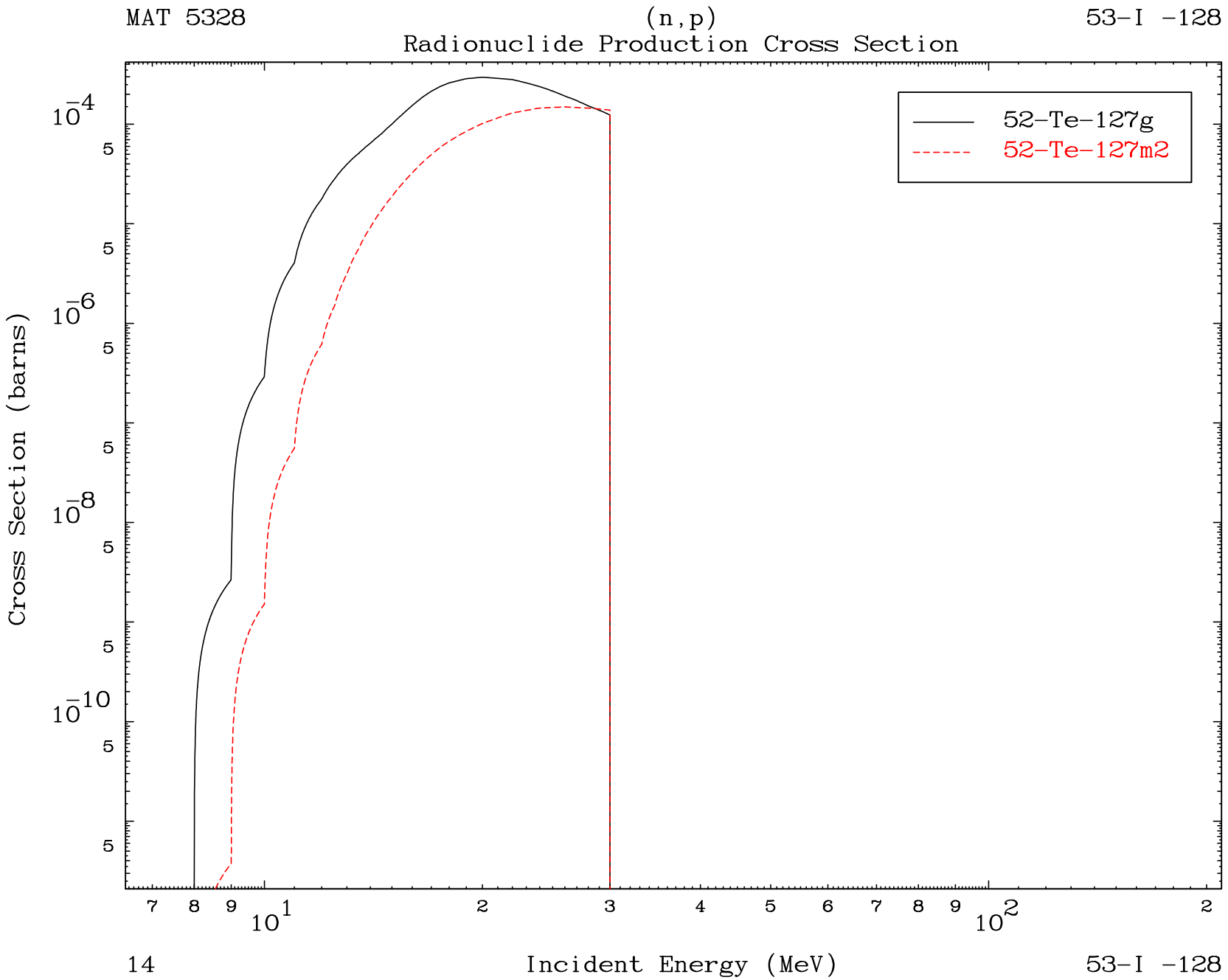

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
5
5
10-8
5
5
10-10
5
5
10-12
5
5
10-14
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

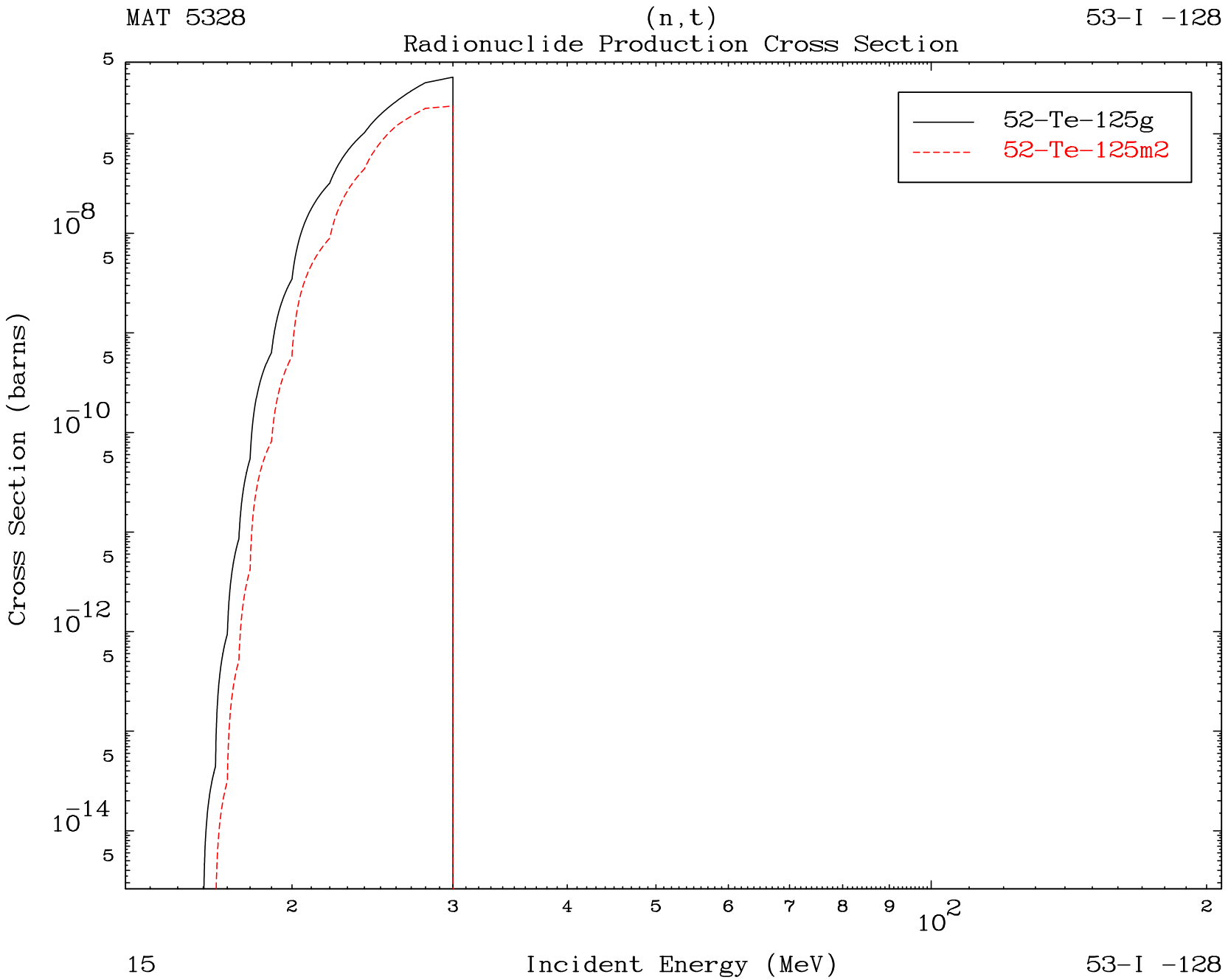

MAT 5328
(γ,α) Levels
53-I -128
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
10
Incident Energy (MeV)
53-I -128

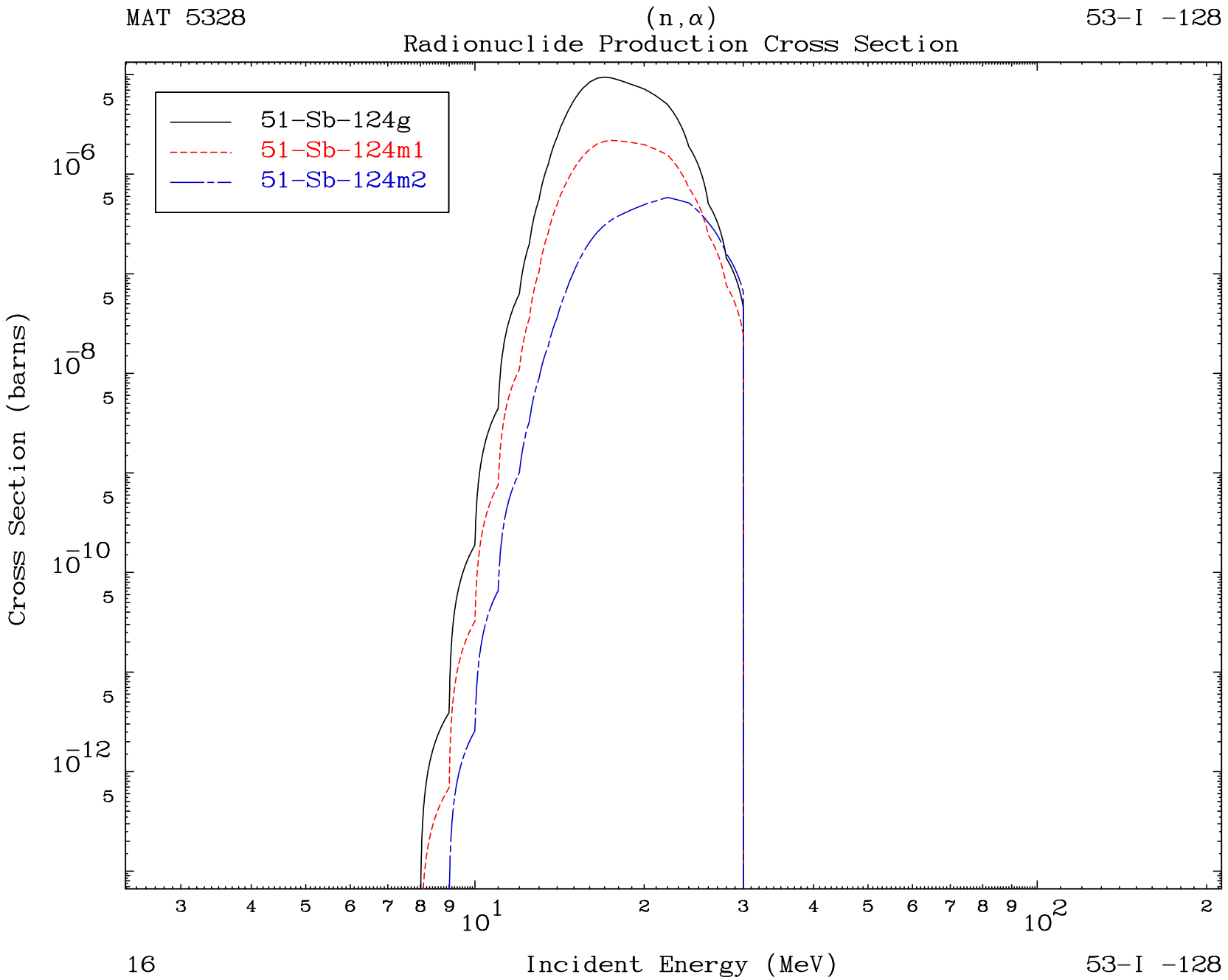

MAT 5328
(n,2n) α
53-I -128
Radionuclide Production Cross Section
51-Sb-122g
51-Sb-122m5
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
11
53-I -128

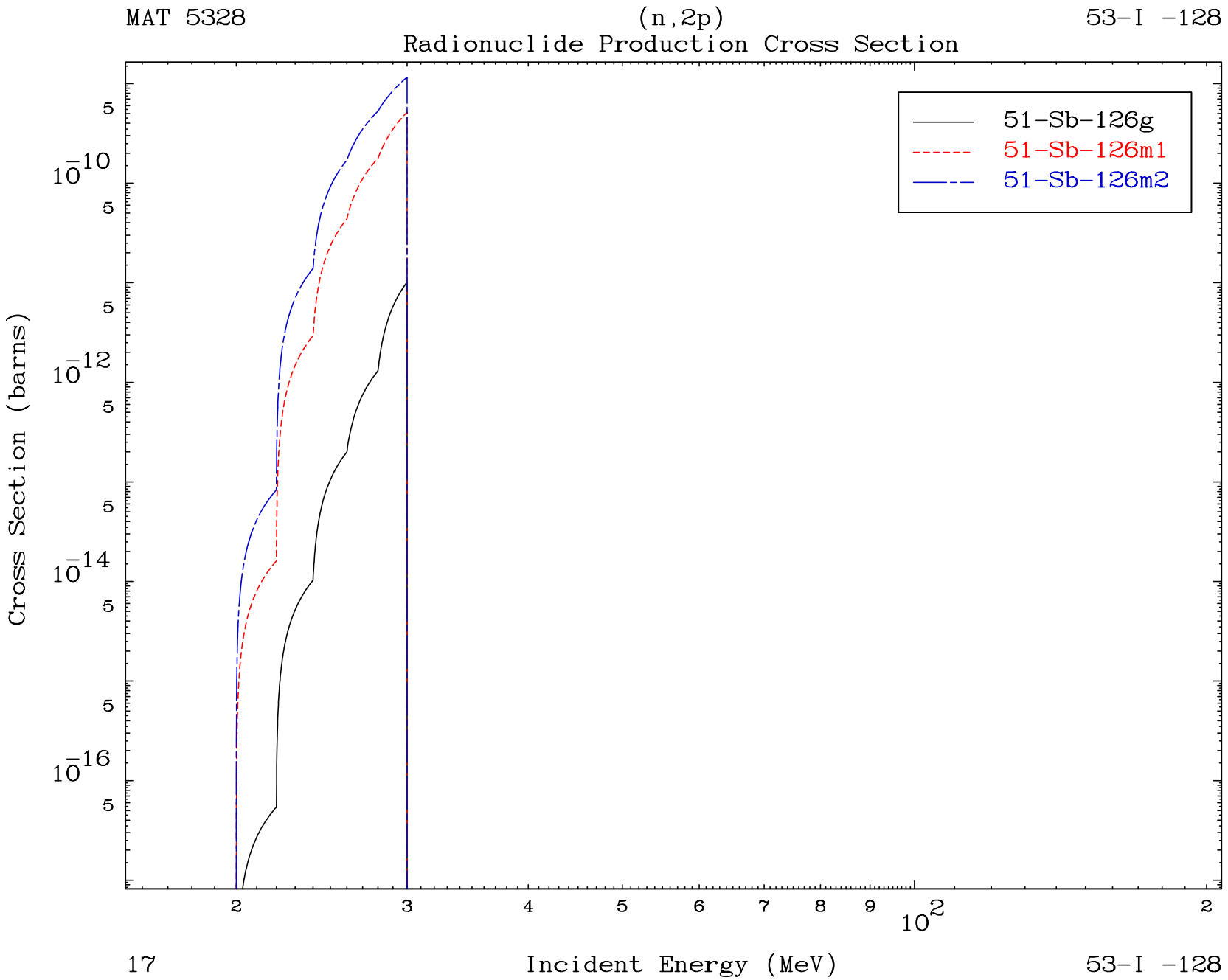

MAT 5328
(n,n') d
53-I -128
Radionuclide Production Cross Section
52-Te-125g
52-Te-125m2
Cross Section (barns)
10-6
10-8
10-10
10-12
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
53-I -128

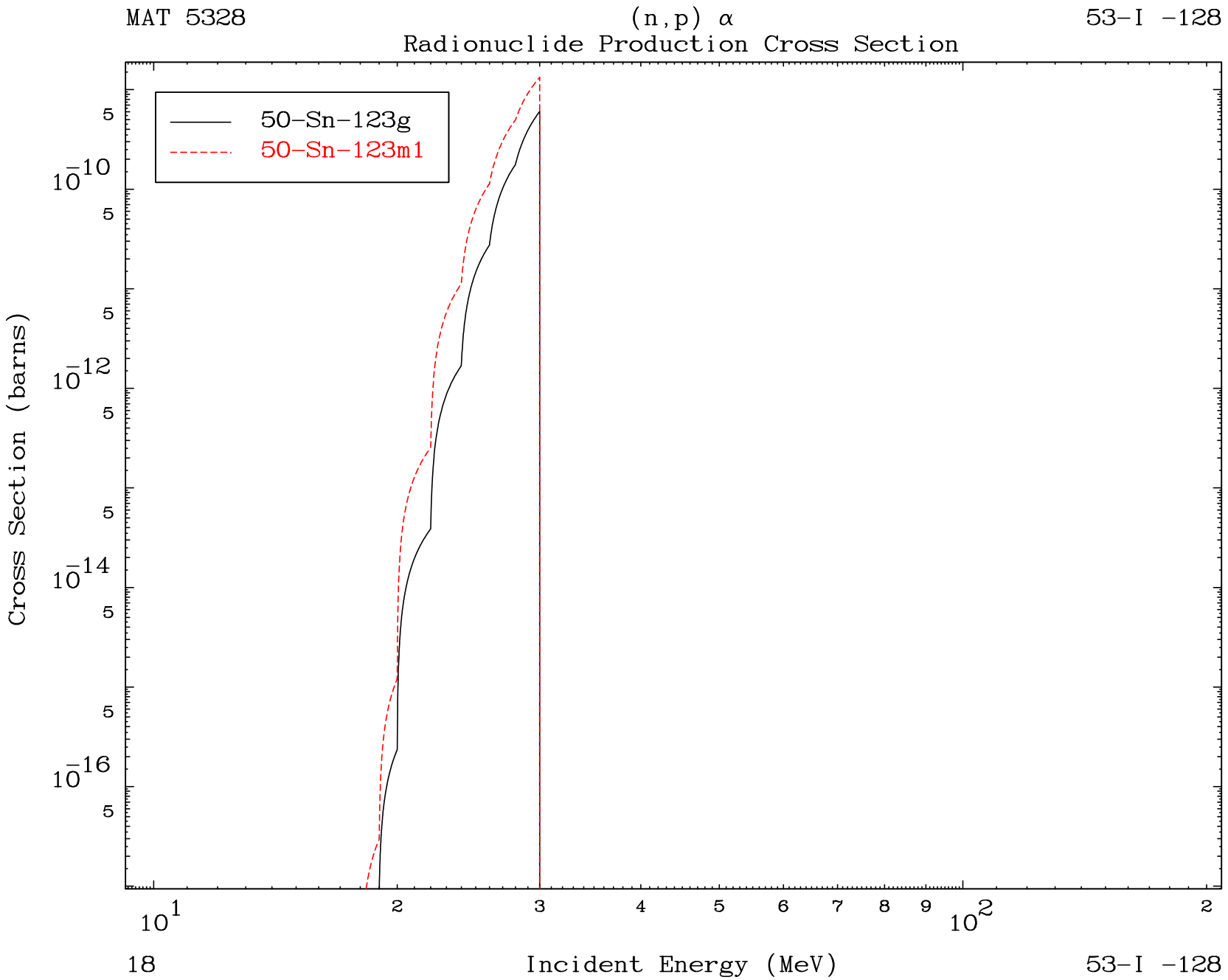

MAT 5328
(n,2n) p
53-I -128
Radionuclide Production Cross Section
52-Te-125g
52-Te-125m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
53-I -128


MAT 5328
(n,p)
53-I -128
Radionuclide Production Cross Section
52-Te-127g
52-Te-127m2
Cross Section (barns)
Incident Energy (MeV)
14
53-I -128


MAT 5328
(n,t)
53-I -128
Radionuclide Production Cross Section
52-Te-125g
52-Te-125m2
Cross Section (barns)
Incident Energy (MeV)
15
53-I -128


MAT 5328
(n,α)
53-I -128
Radionuclide Production Cross Section
51-Sb-124g
51-Sb-124m1
51-Sb-124m2
Cross Section (barns)
Incident Energy (MeV)
16
53-I -128


MAT 5328
(n,2p)
53-I -128
Radionuclide Production Cross Section
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
Cross Section (barns)
10-10
10-12
10-14
10-16
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
53-I -128


MAT 5328
(n,p) α
53-I -128
Radionuclide Production Cross Section
50-Sn-123g
50-Sn-123m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
10^1
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
53-I -128