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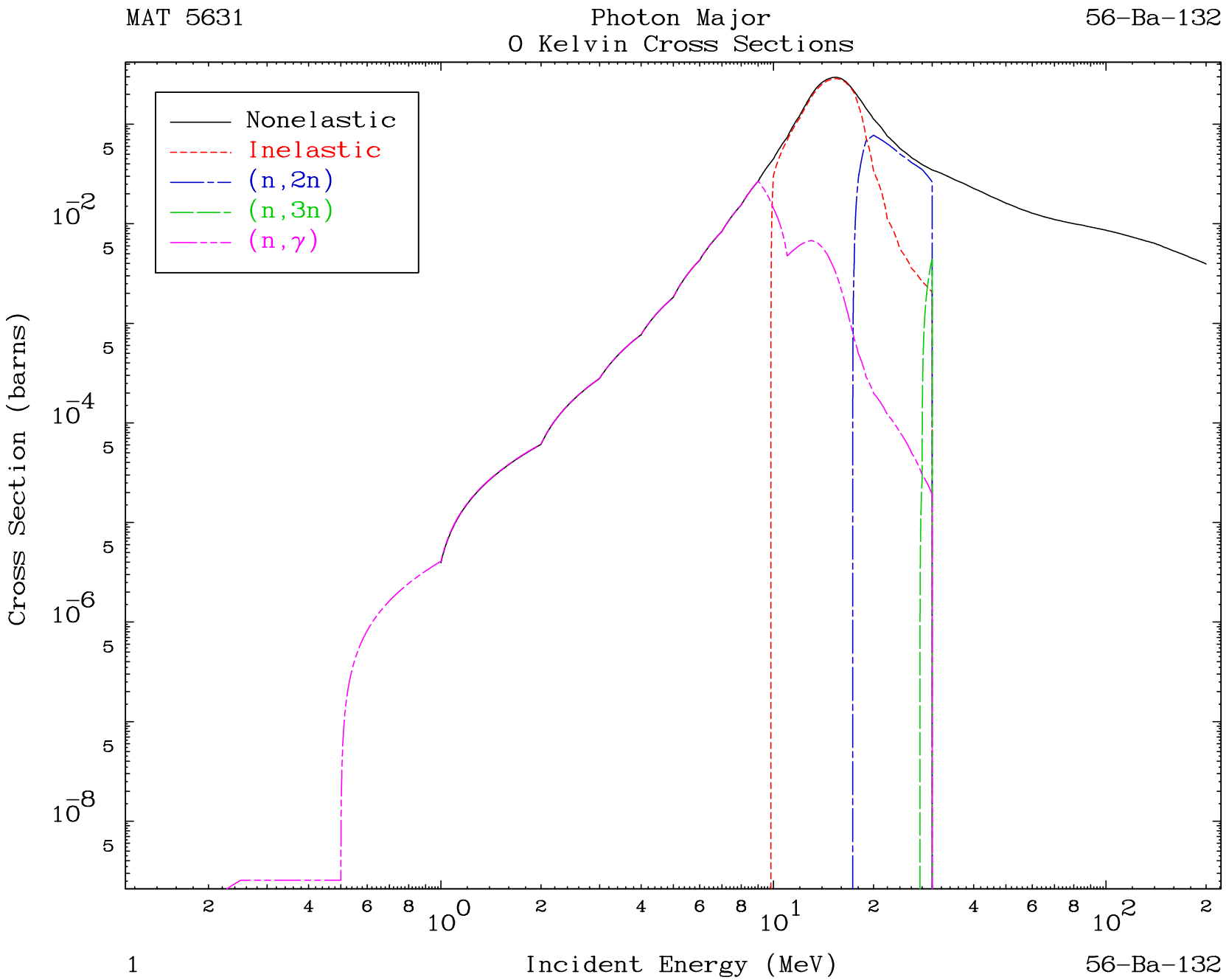
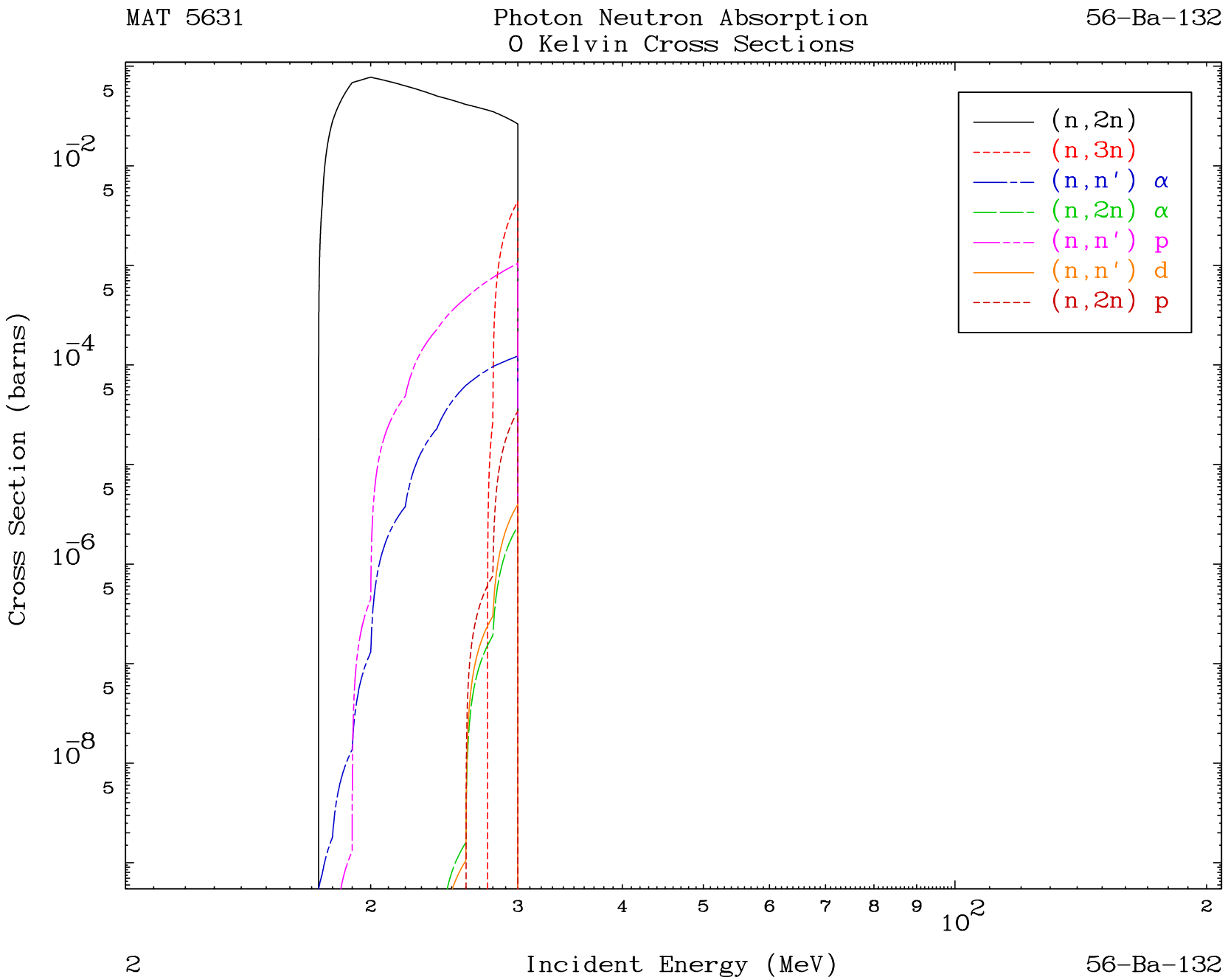
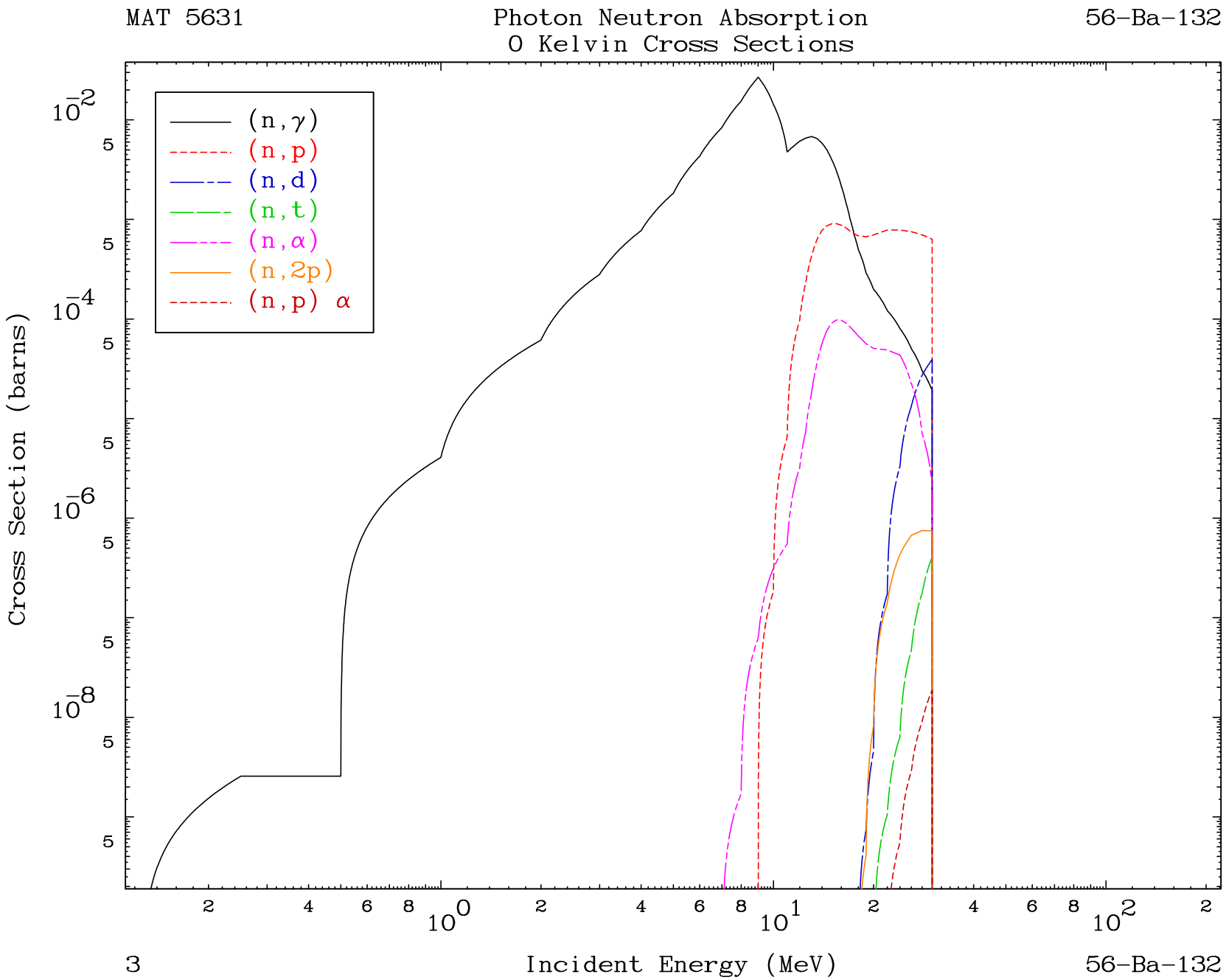
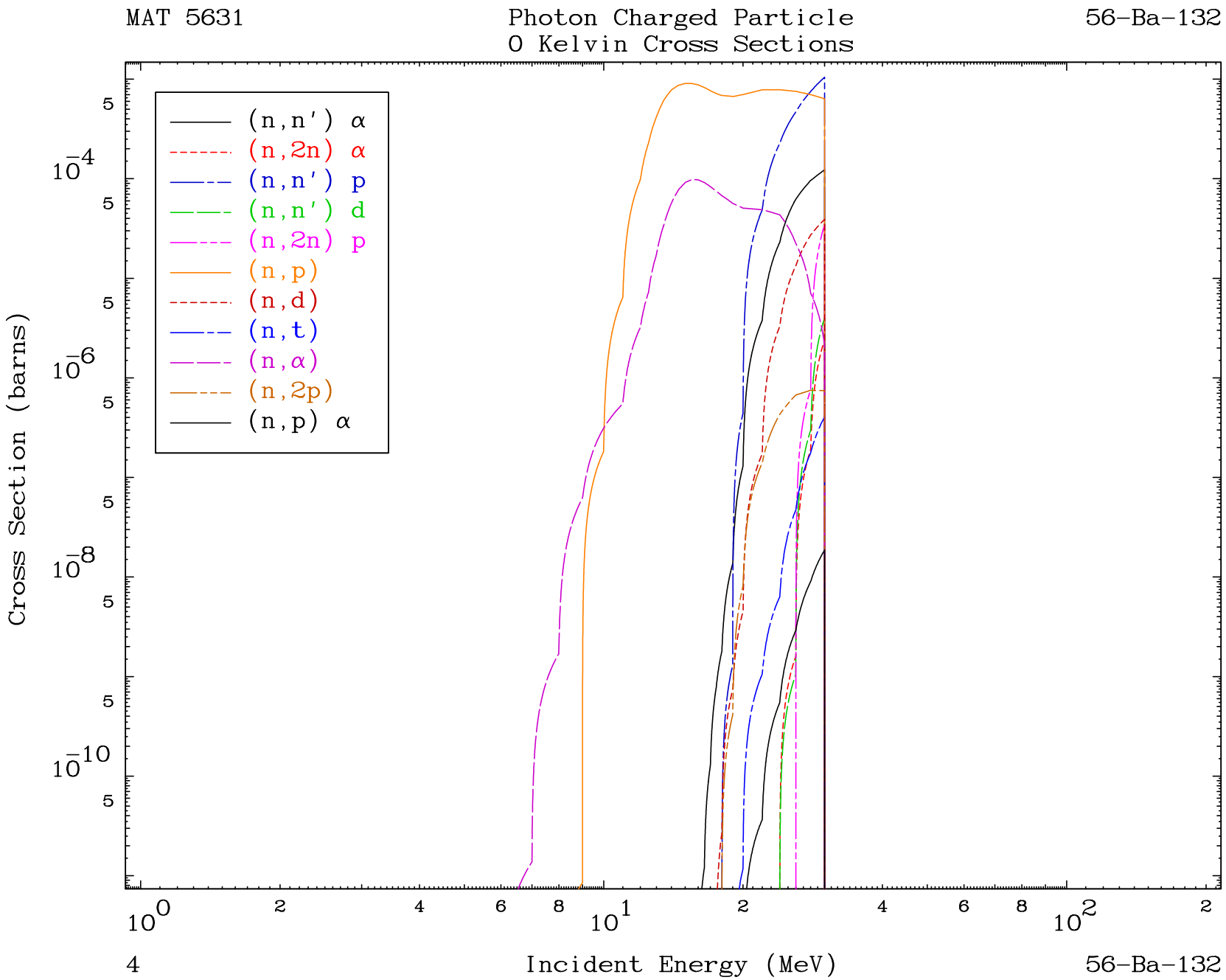
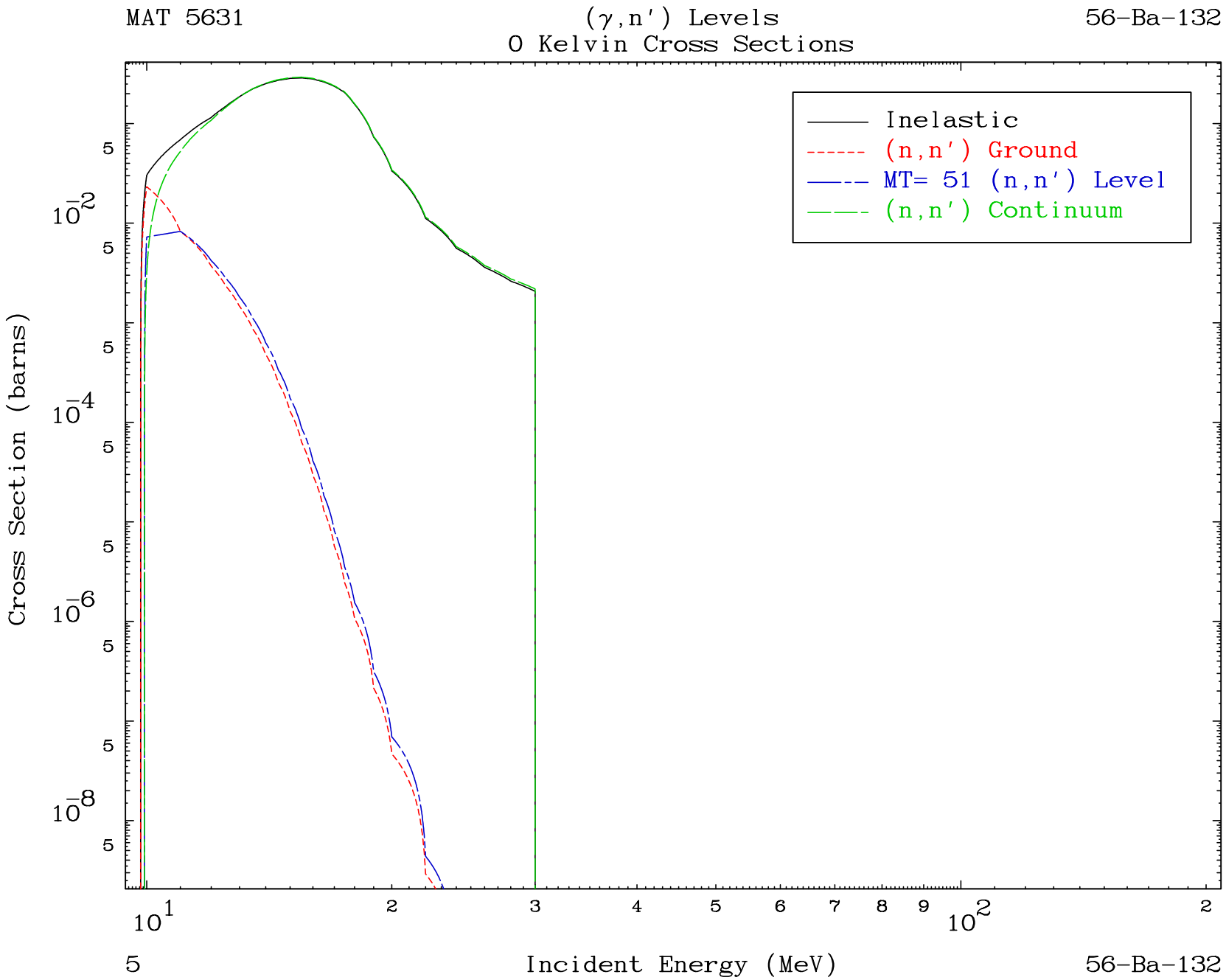
Press Mouse Button to Start

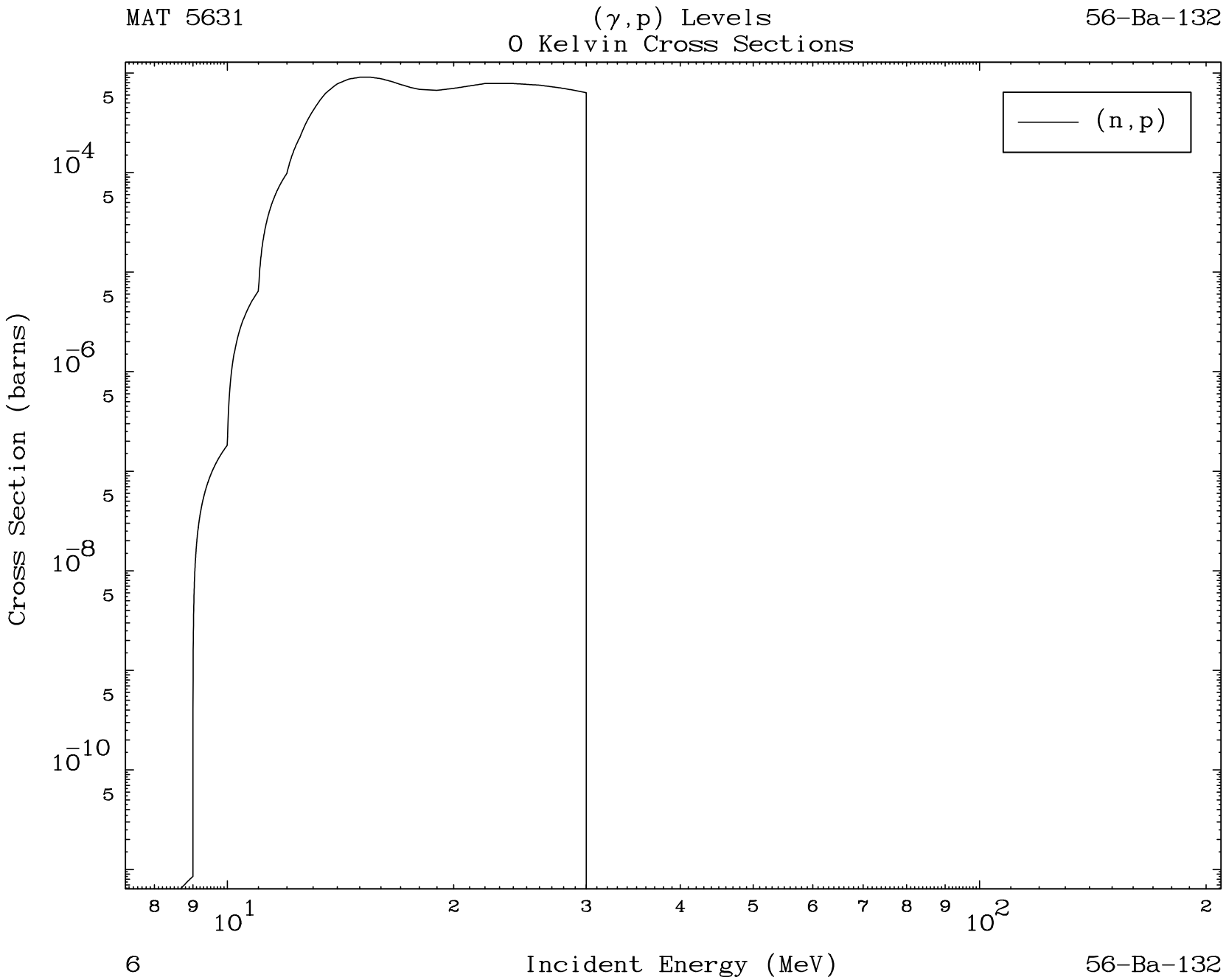

MAT 5631
Photon Major
56-Ba-132
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
1
56-Ba-132

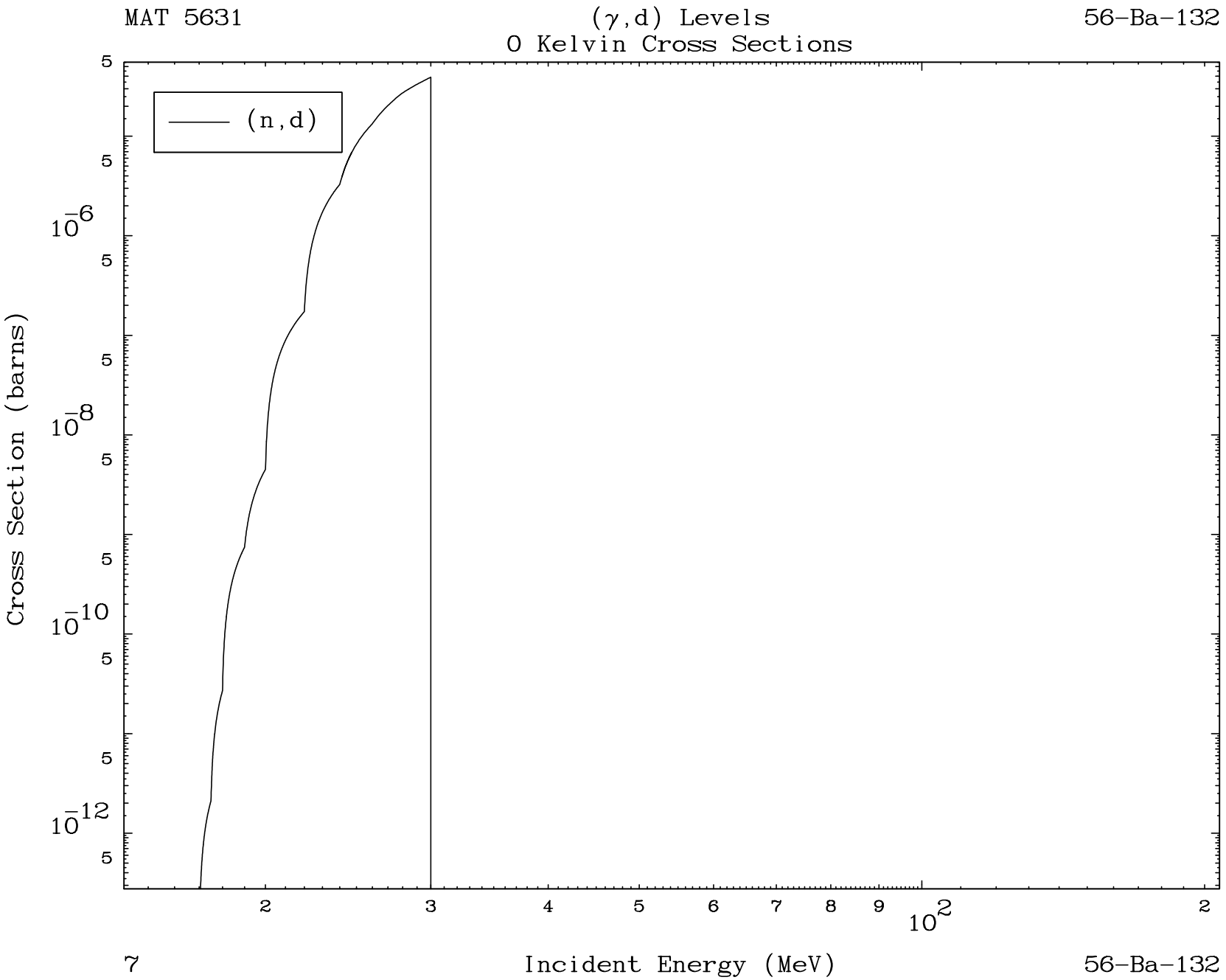

MAT 5631
Photon Neutron Absorption
0 Kelvin Cross Sections
56-Ba-132
Cross Section (barns)
10-2
10-4
10-6
10-8
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,2n) p
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
56-Ba-132


MAT 5631
Photon Neutron Absorption
0 Kelvin Cross Sections
56-Ba-132
(n,γ)
(n,p)
(n,d)
(n,t)
(n,α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
3
56-Ba-132

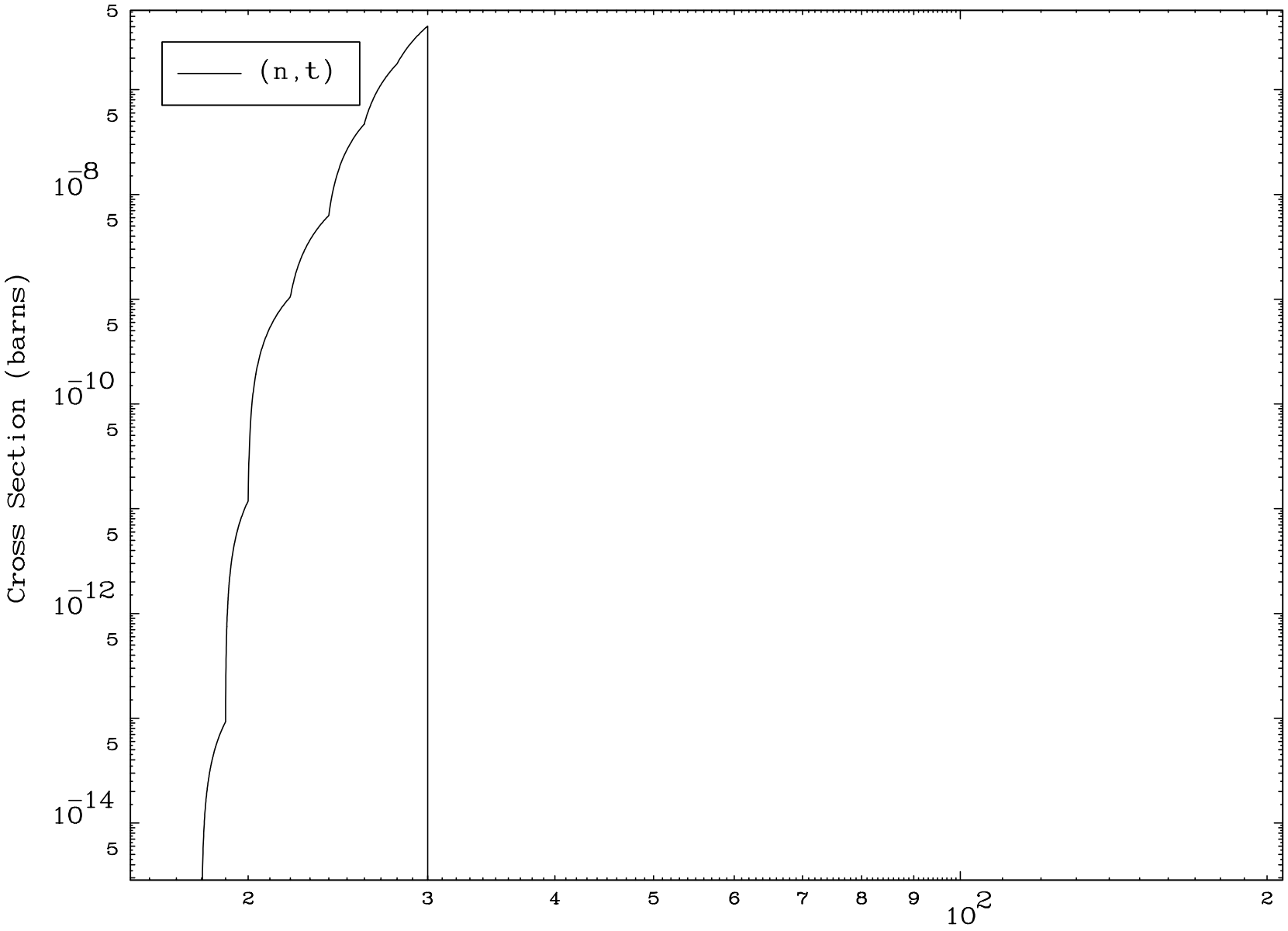

MAT 5631
Photon Charged Particle
0 Kelvin Cross Sections
56-Ba-132
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,2n) p
(n,p)
(n,d)
(n,t)
(n,α)
(n,2p)
(n,p) α
Cross Section (barns)
Incident Energy (MeV)
56-Ba-132
4

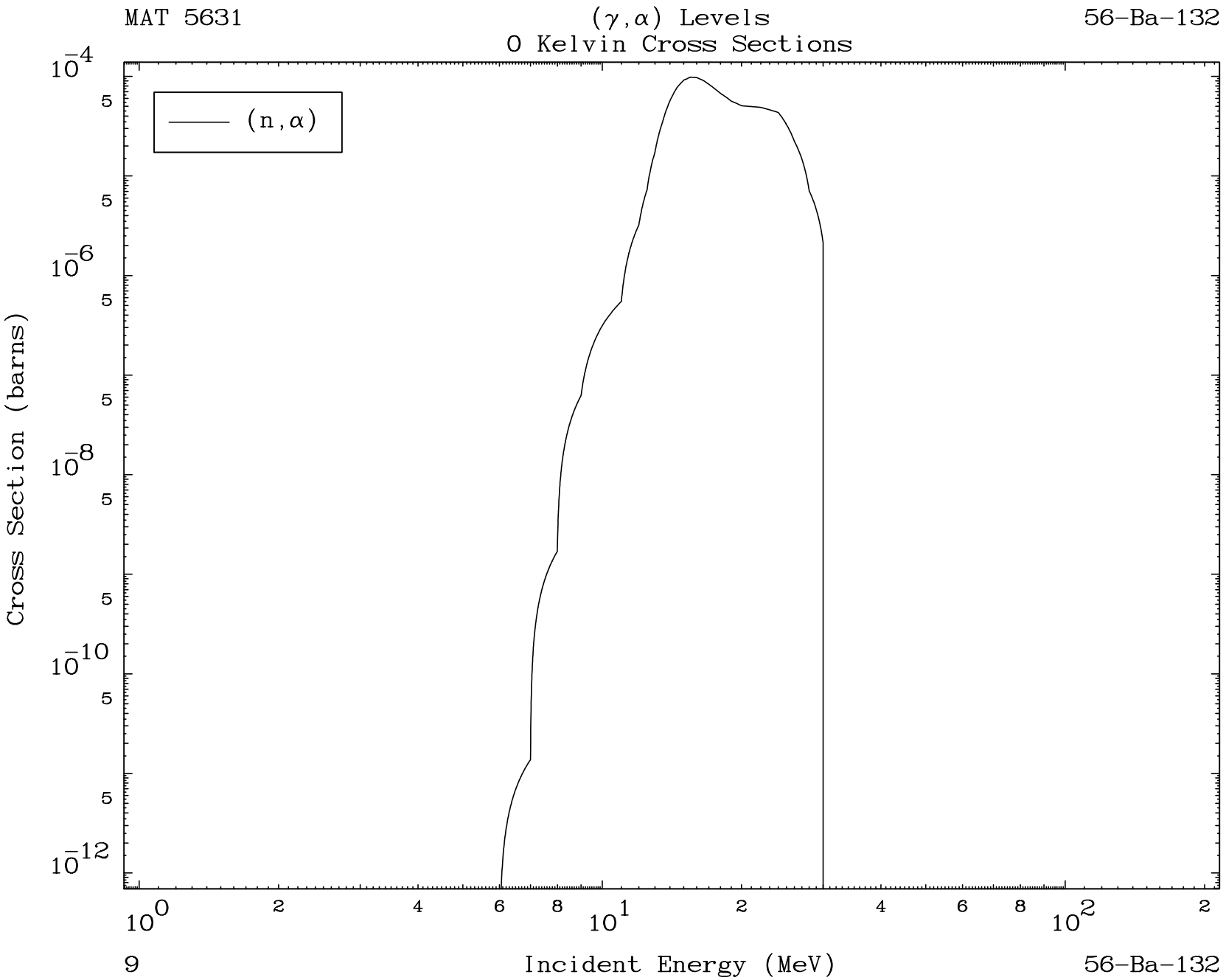

MAT 5631
(γ,n') Levels
56-Ba-132
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
56-Ba-132

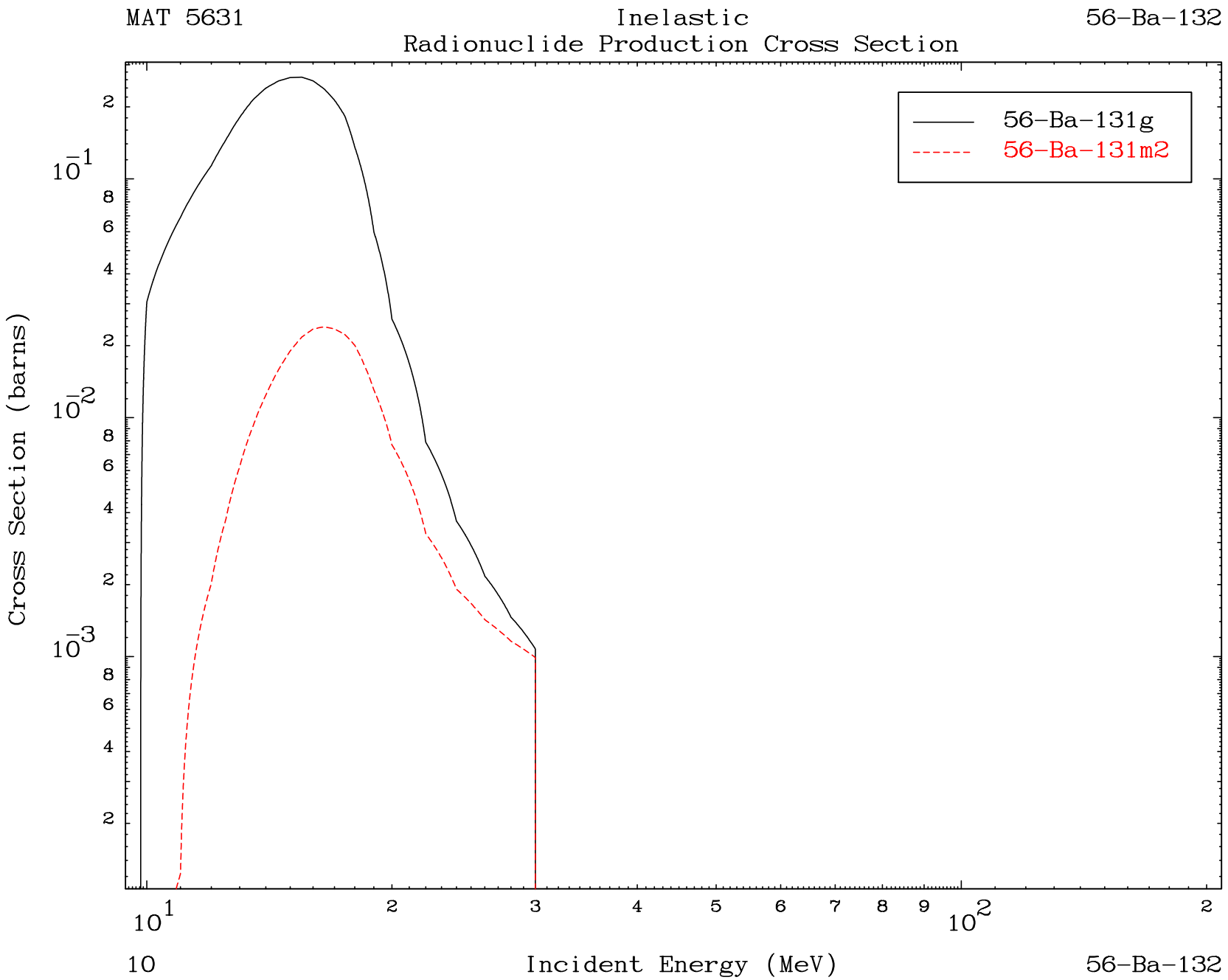

MAT 5631
(γ,p) Levels
56-Ba-132
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
56-Ba-132

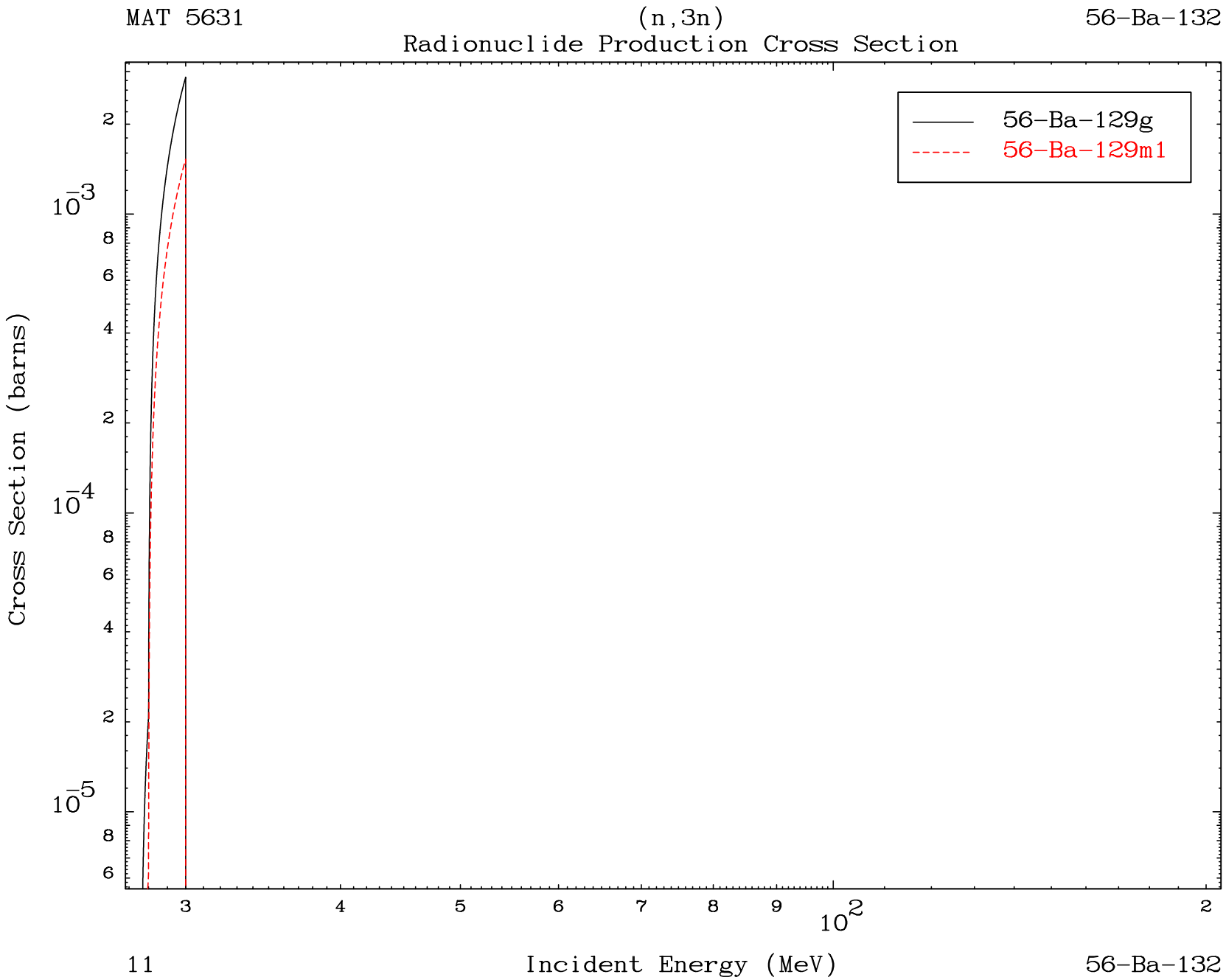

MAT 5631
(γ,d) Levels
56-Ba-132
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
56-Ba-132

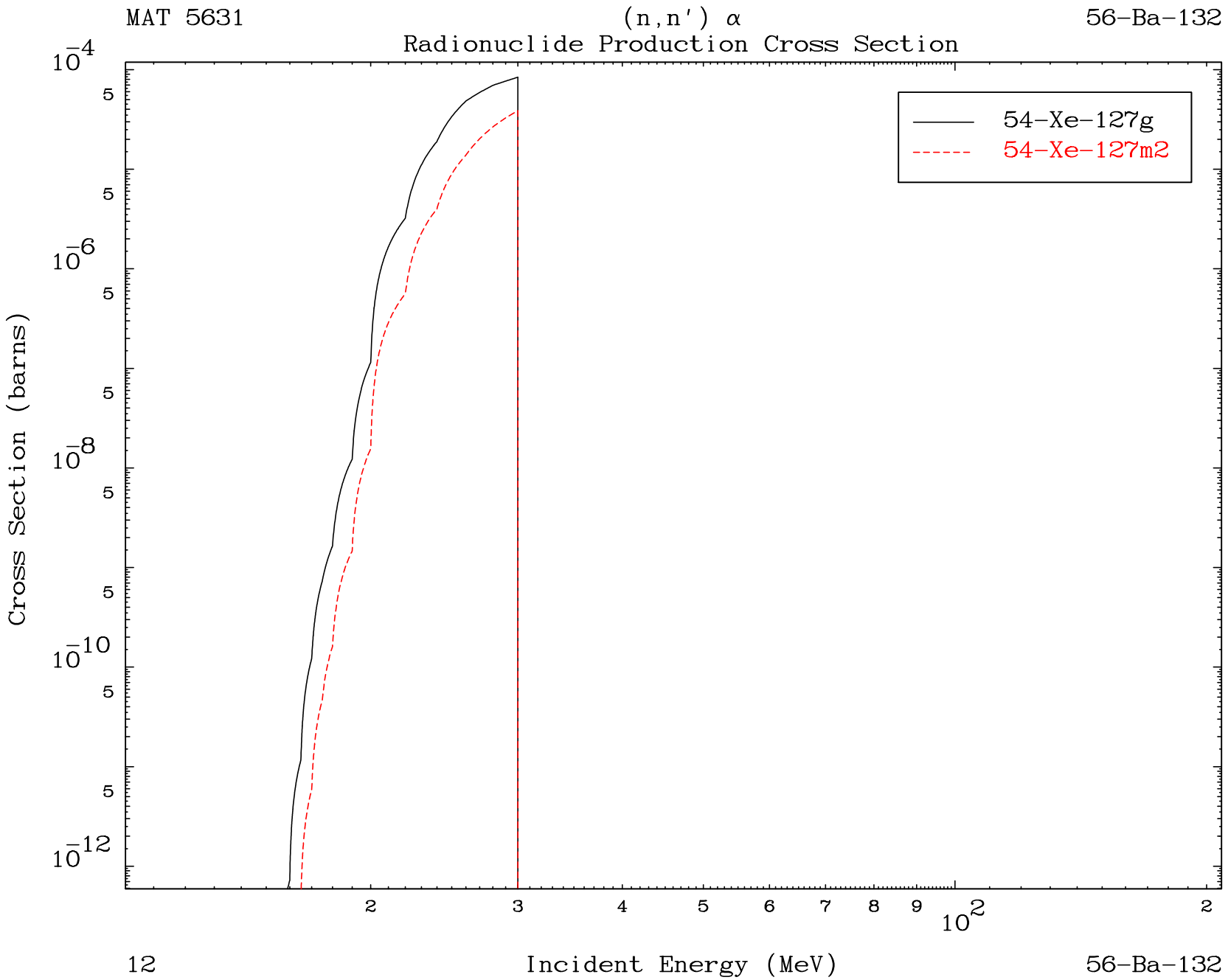
0 Kelvin Cross Sections

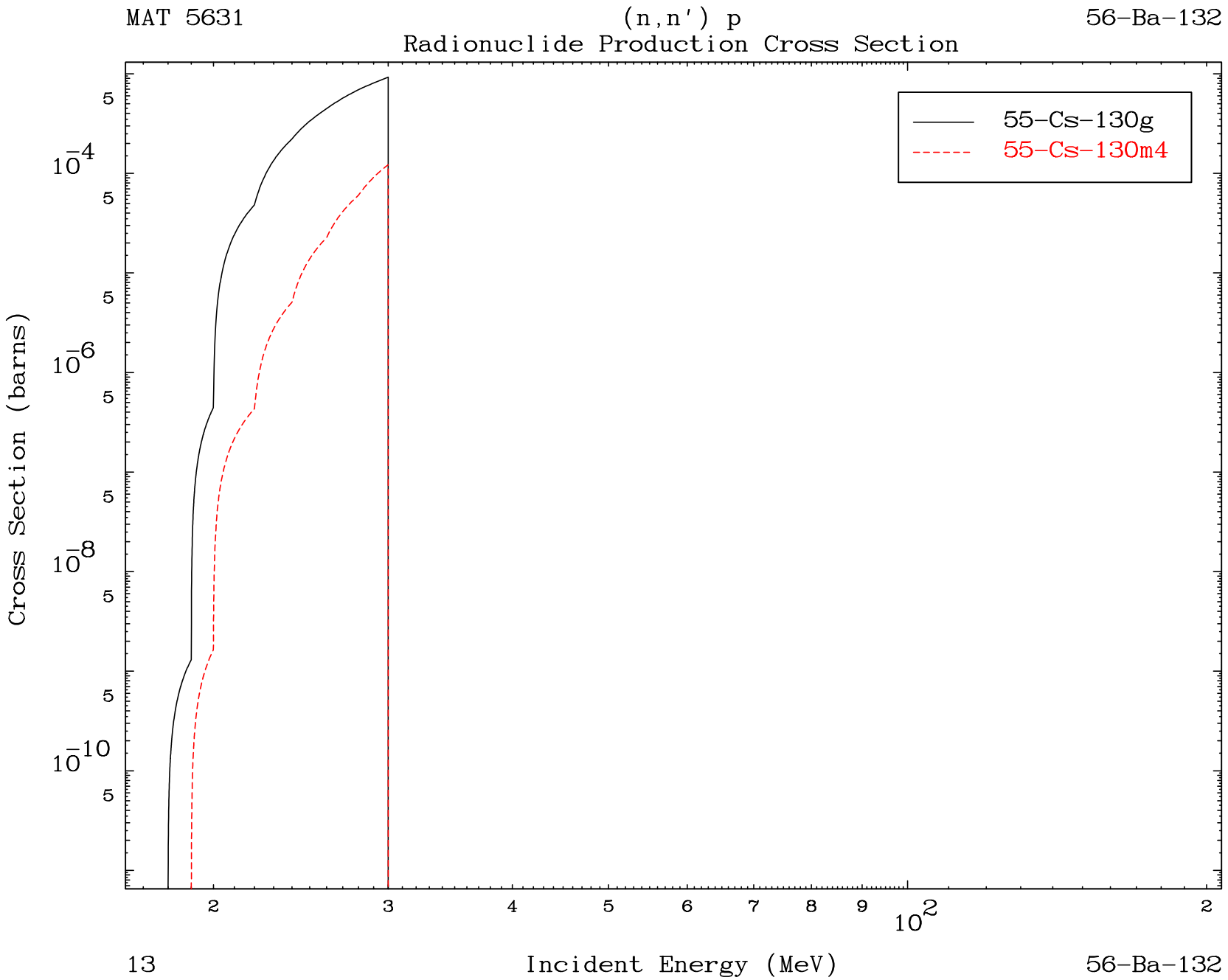


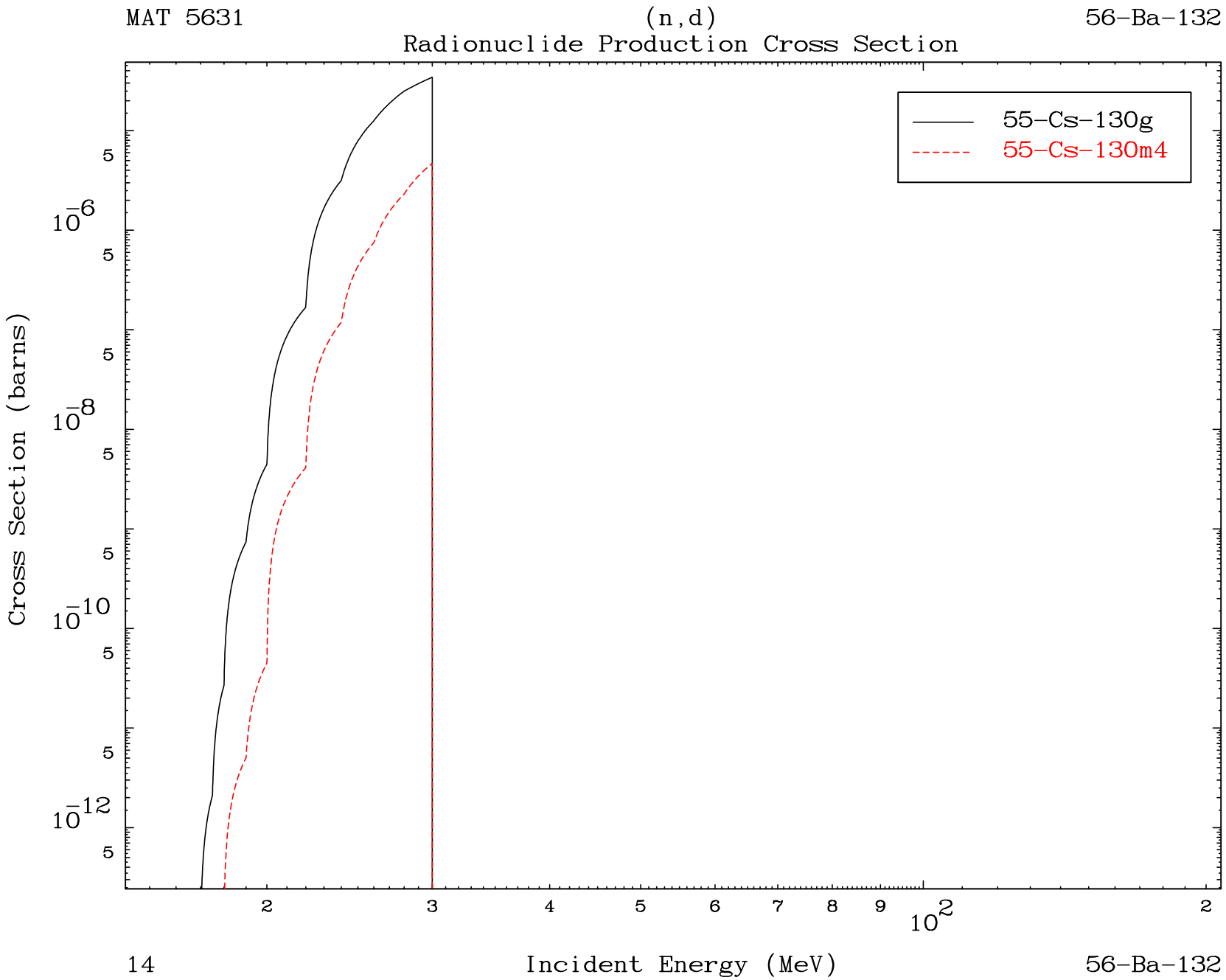

MAT 5631
(γ,α) Levels
56-Ba-132
0 Kelvin Cross Sections
(n,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
9
56-Ba-132


MAT 5631
Inelastic
56-Ba-132
Radionuclide Production Cross Section
56-Ba-131g
56-Ba-131m2
Cross Section (barns)
Incident Energy (MeV)
56-Ba-132


MAT 5631
(n,3n)
56-Ba-132
Radionuclide Production Cross Section
56-Ba-129g
56-Ba-129m1
Cross Section (barns)
10-3
10-4
10-5
2
8
6
4
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
56-Ba-132


MAT 5631
(n,n') α
56-Ba-132
Radionuclide Production Cross Section
54-Xe-127g
54-Xe-127m2
Cross Section (barns)
Incident Energy (MeV)
12
56-Ba-132


MAT 5631
(n,n') p
56-Ba-132
Radionuclide Production Cross Section
55-Cs-130g
55-Cs-130m4
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
13
Incident Energy (MeV)
56-Ba-132


MAT 5631
(n,d)
56-Ba-132
Radionuclide Production Cross Section
55-Cs-130g
55-Cs-130m4
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)
56-Ba-132