Program EVALPLOT
(Version 2017-1)
by
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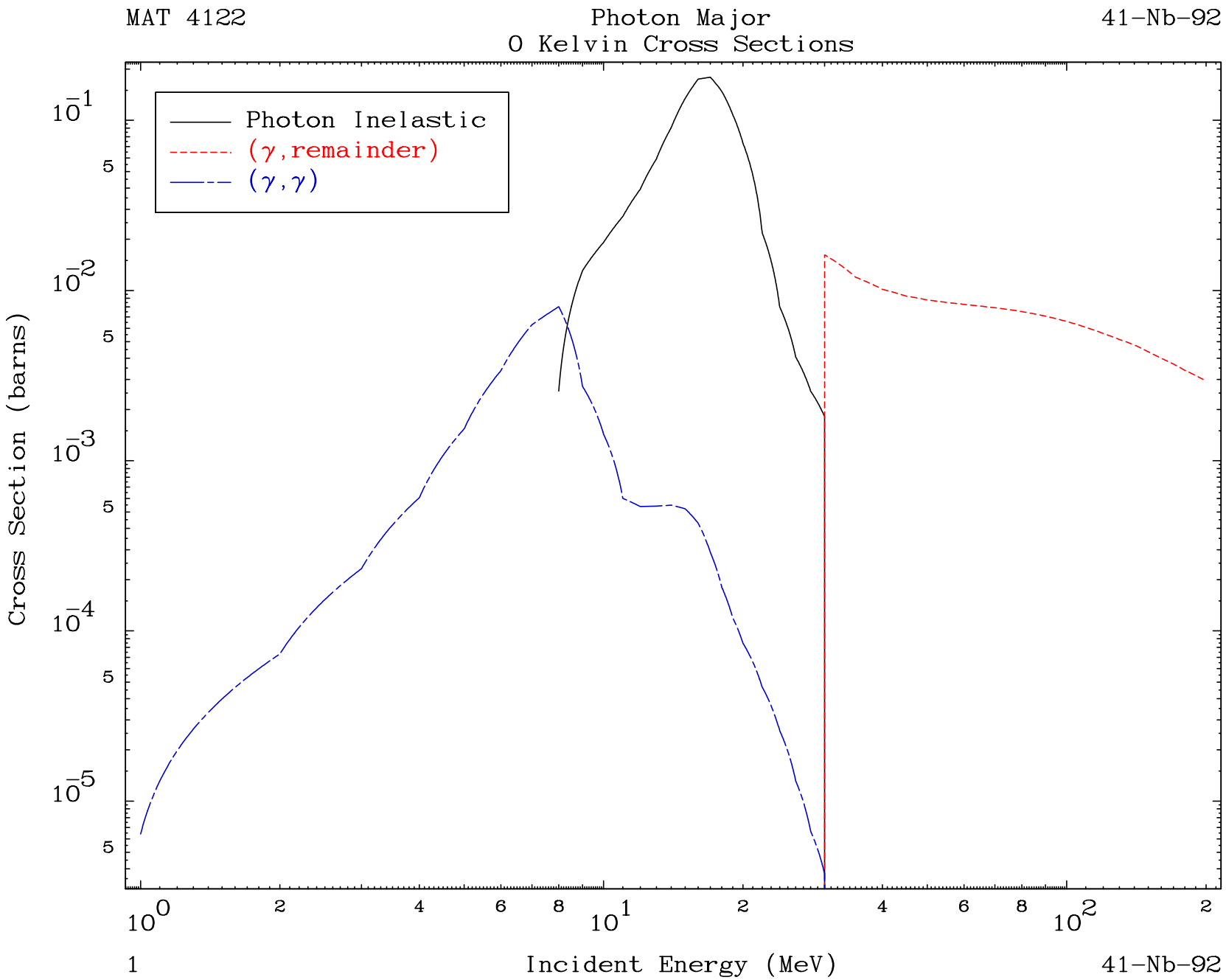
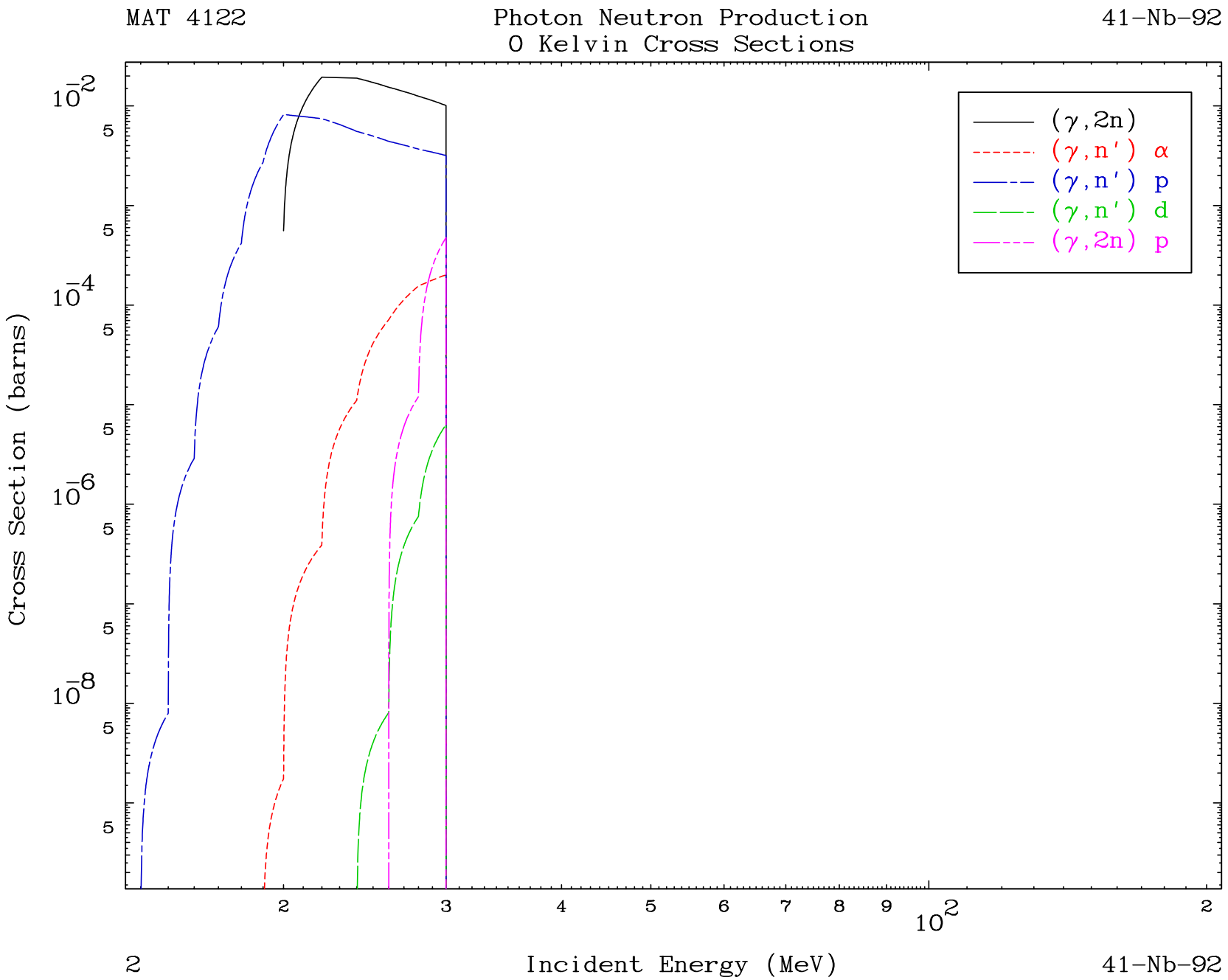
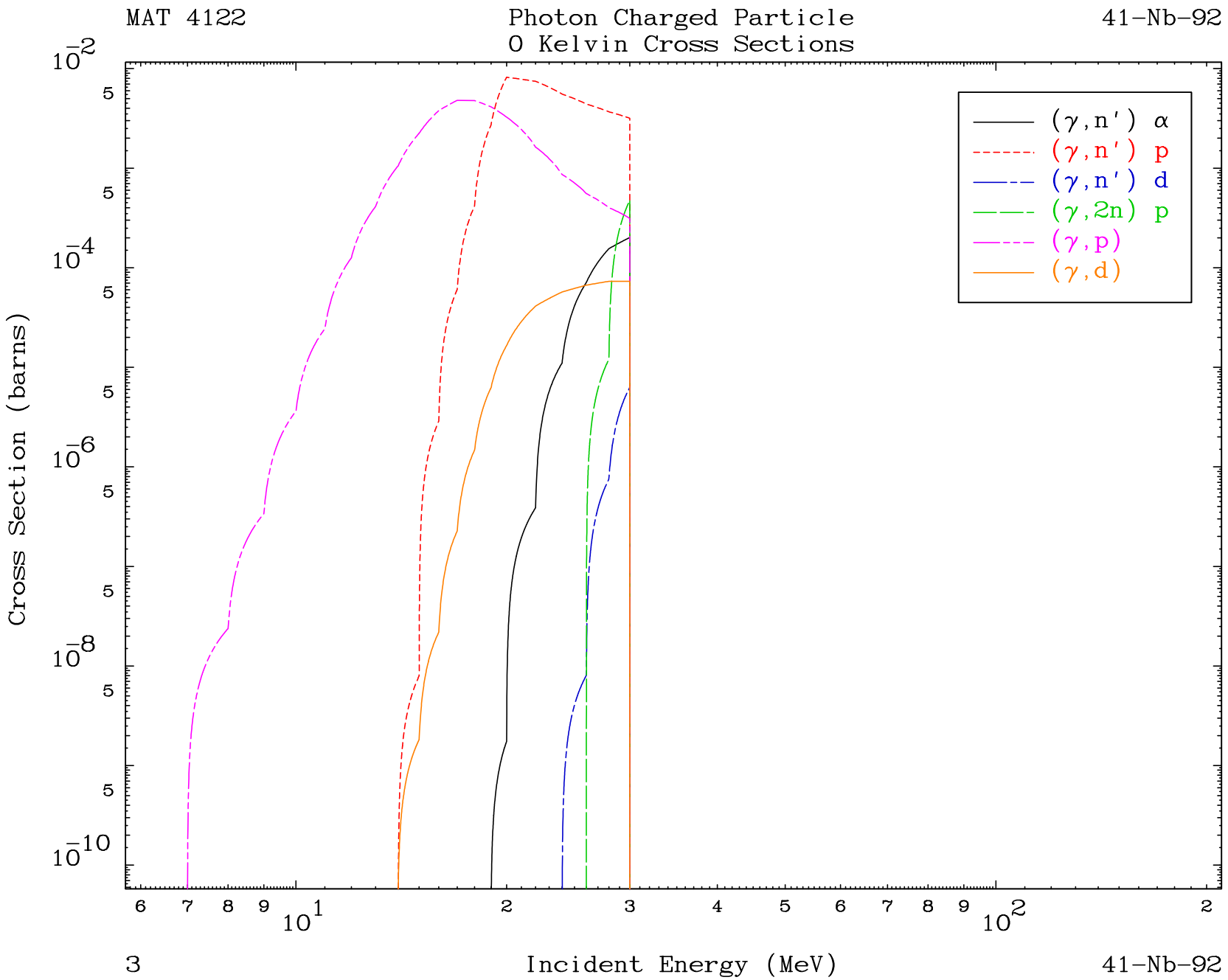
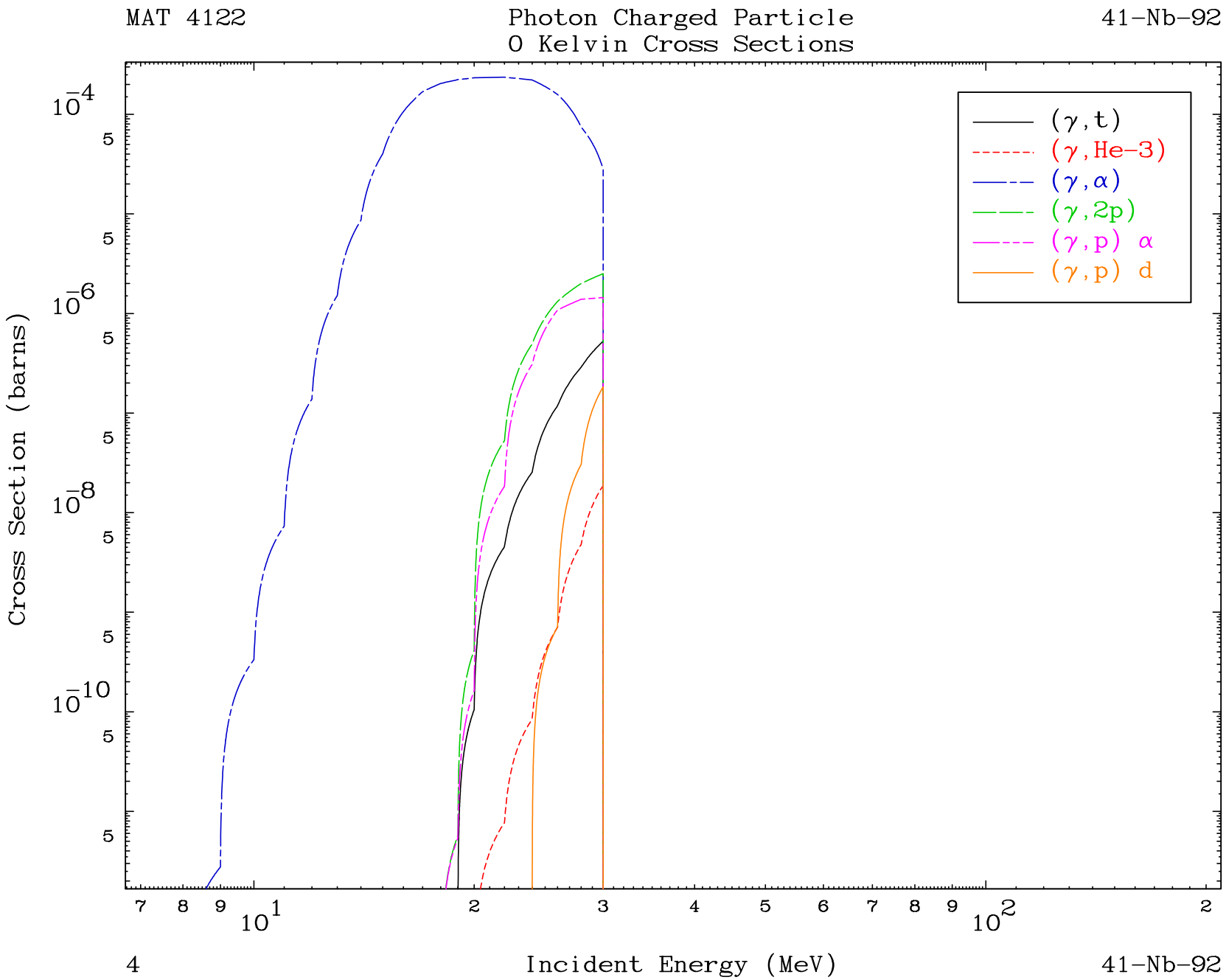
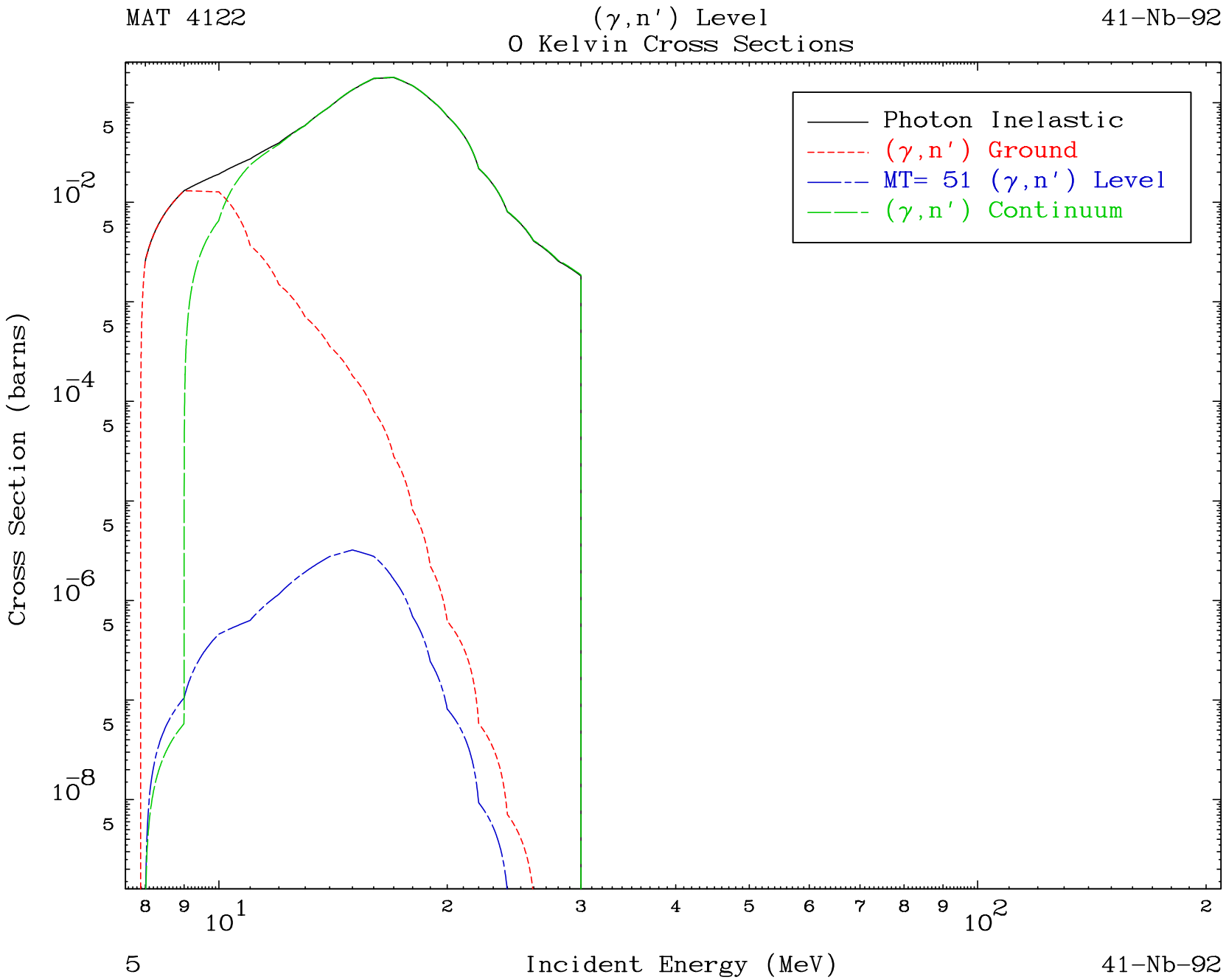
Press Mouse Button to Start

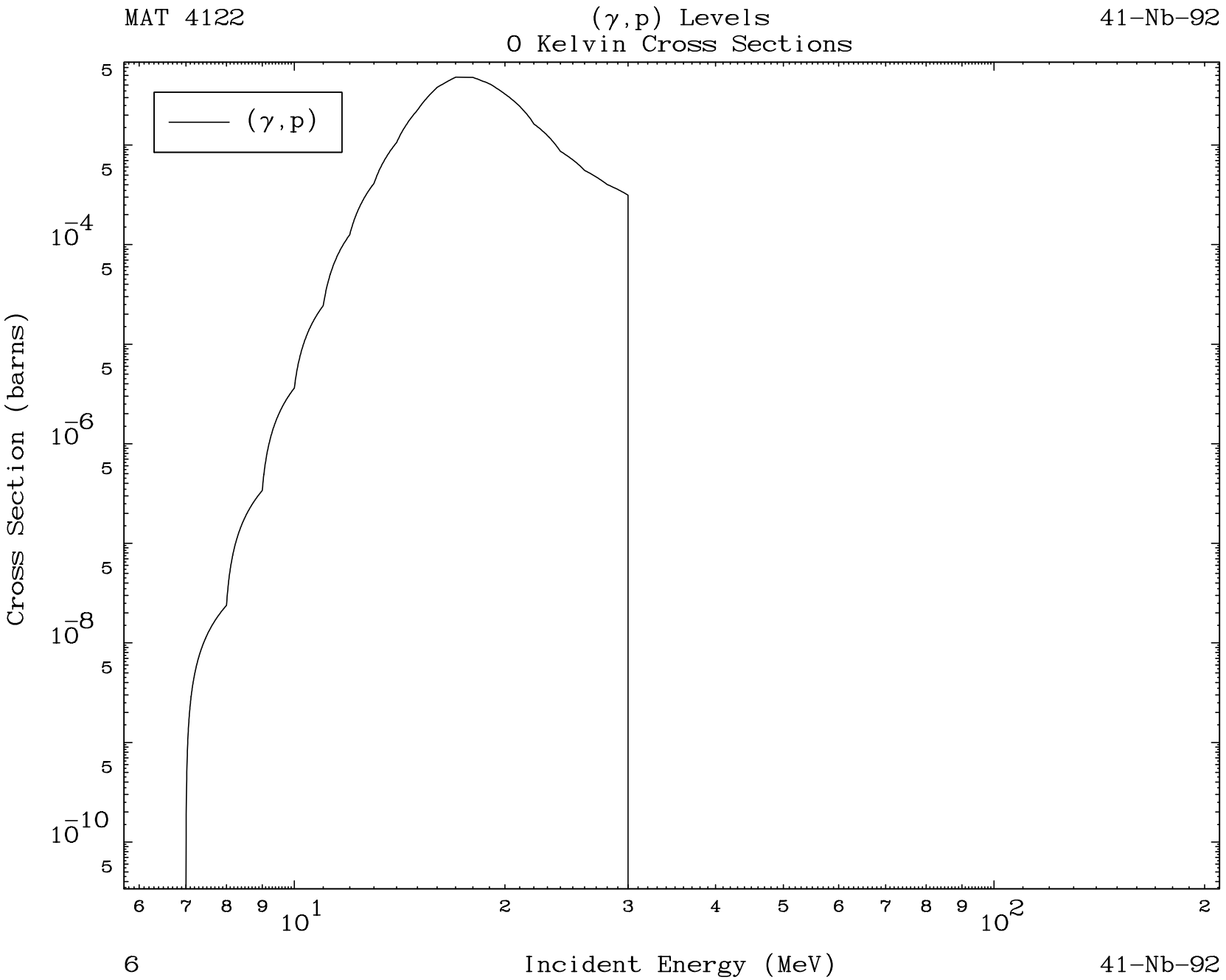

MAT 4122
Photon Major
41-Nb-92
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
Incident Energy (MeV)
41-Nb-92

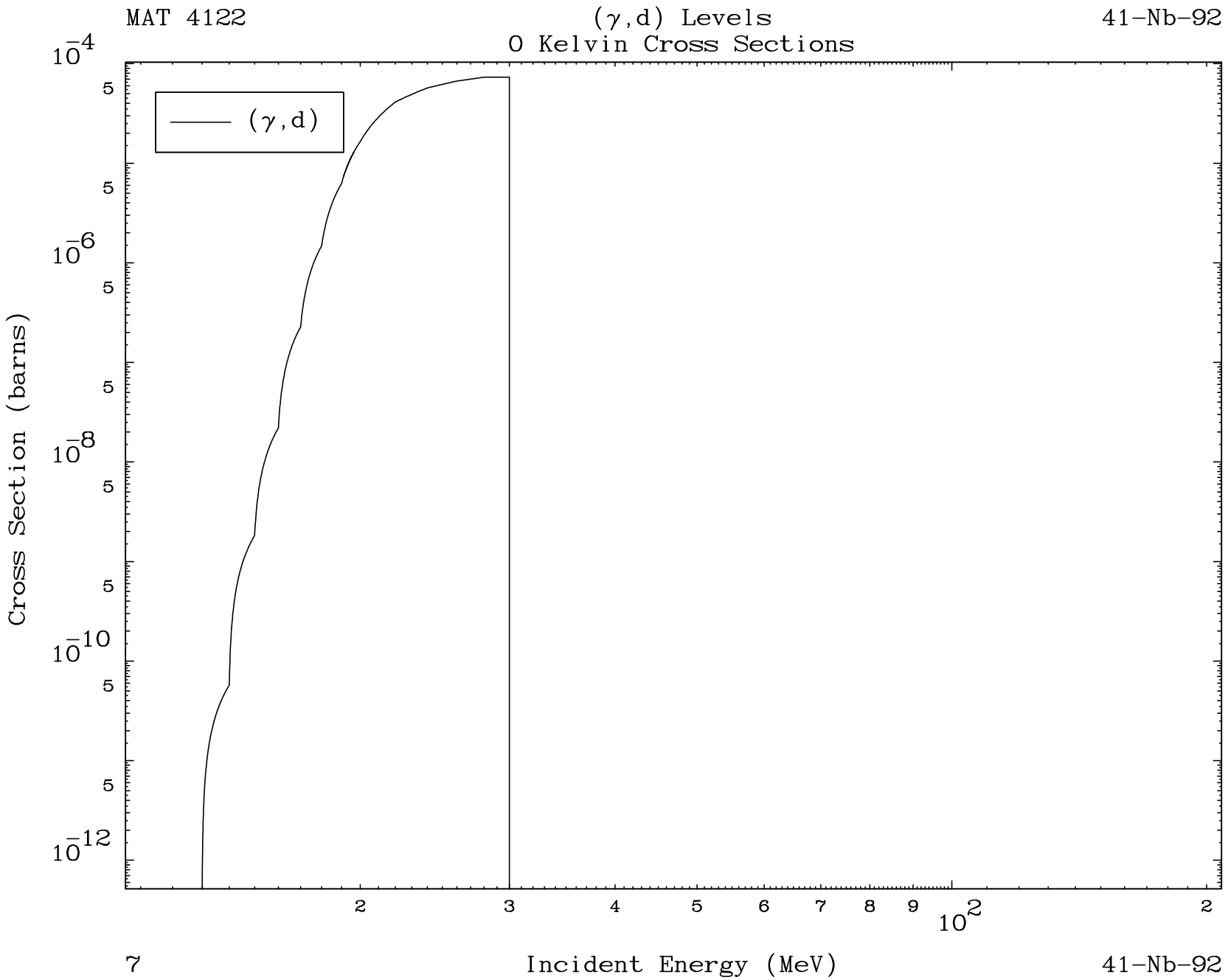

MAT 4122
Photon Neutron Production
0 Kelvin Cross Sections
41-Nb-92
(γ,2n)
(γ,n') α
(γ,n') p
(γ,n') d
(γ,2n) p
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
41-Nb-92

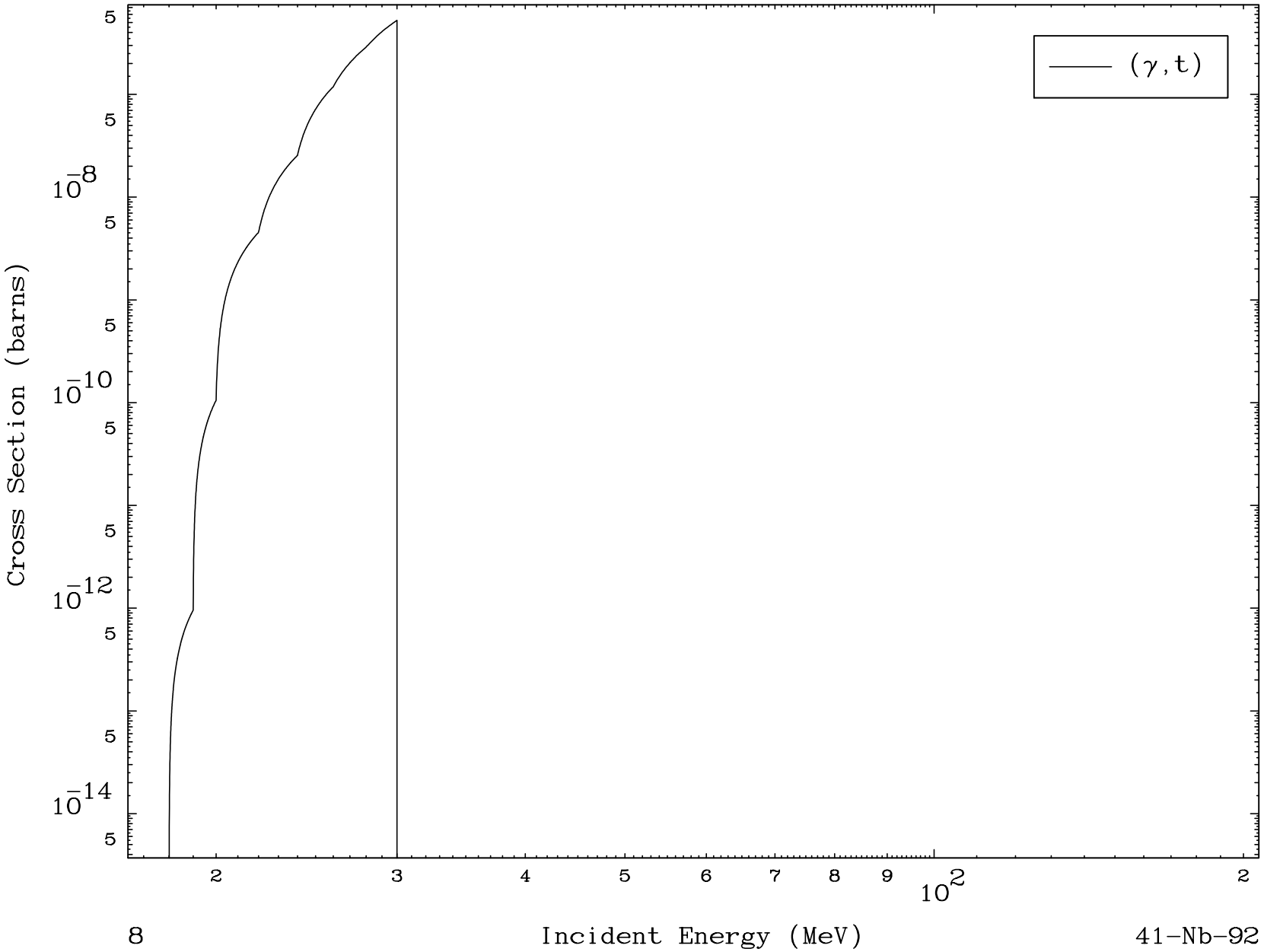

MAT 4122
Photon Charged Particle
0 Kelvin Cross Sections
41-Nb-92
Cross Section (barns)
Incident Energy (MeV)
(γ,n') α
(γ,n') p
(γ,n') d
(γ,2n) p
(γ,p)
(γ,d)
3
41-Nb-92

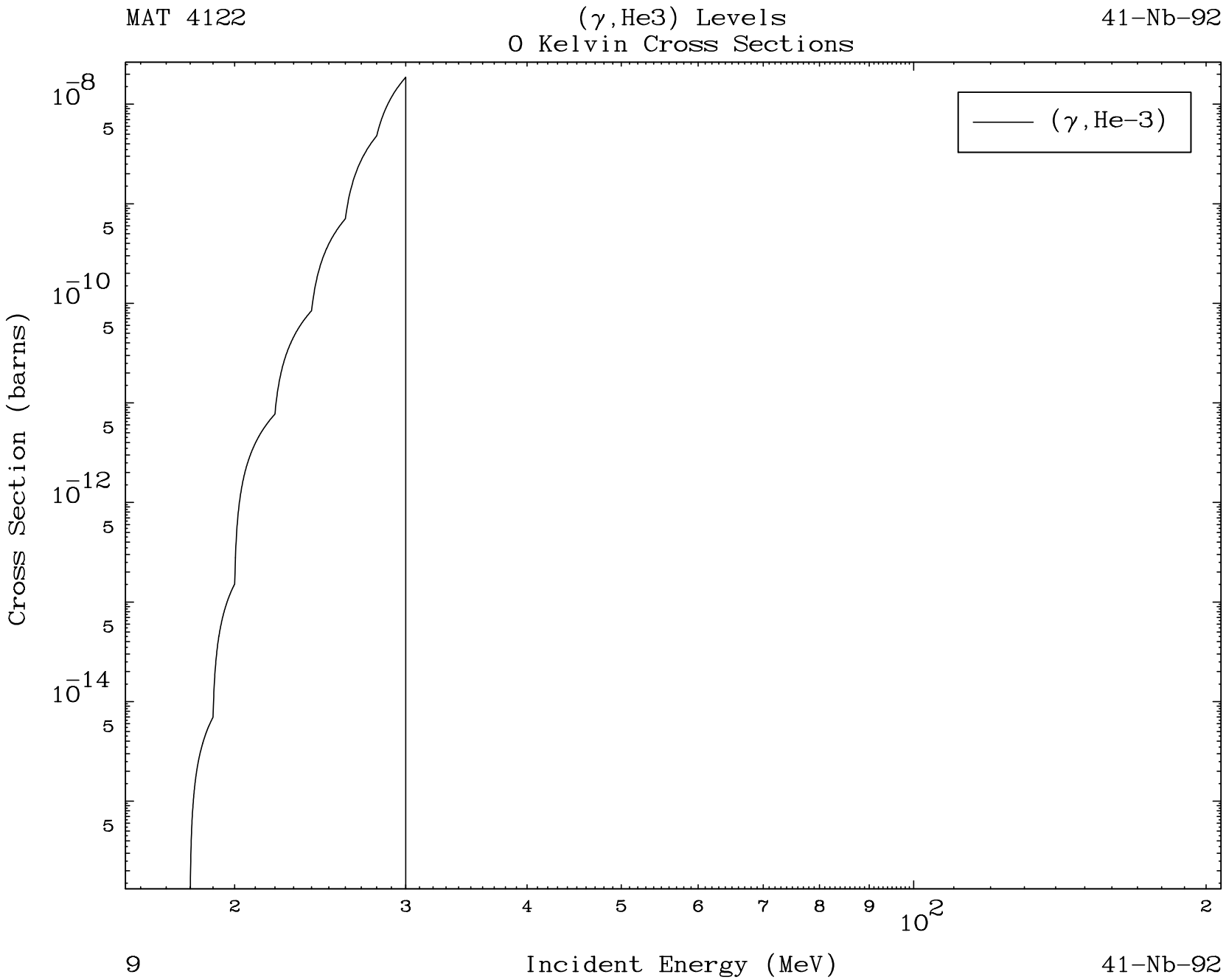

MAT 4122
Photon Charged Particle
0 Kelvin Cross Sections
41-Nb-92
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
(γ,t)
(γ,He-3)
(γ,α)
(γ,2p)
(γ,p) α
(γ,p) d
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
4
41-Nb-92

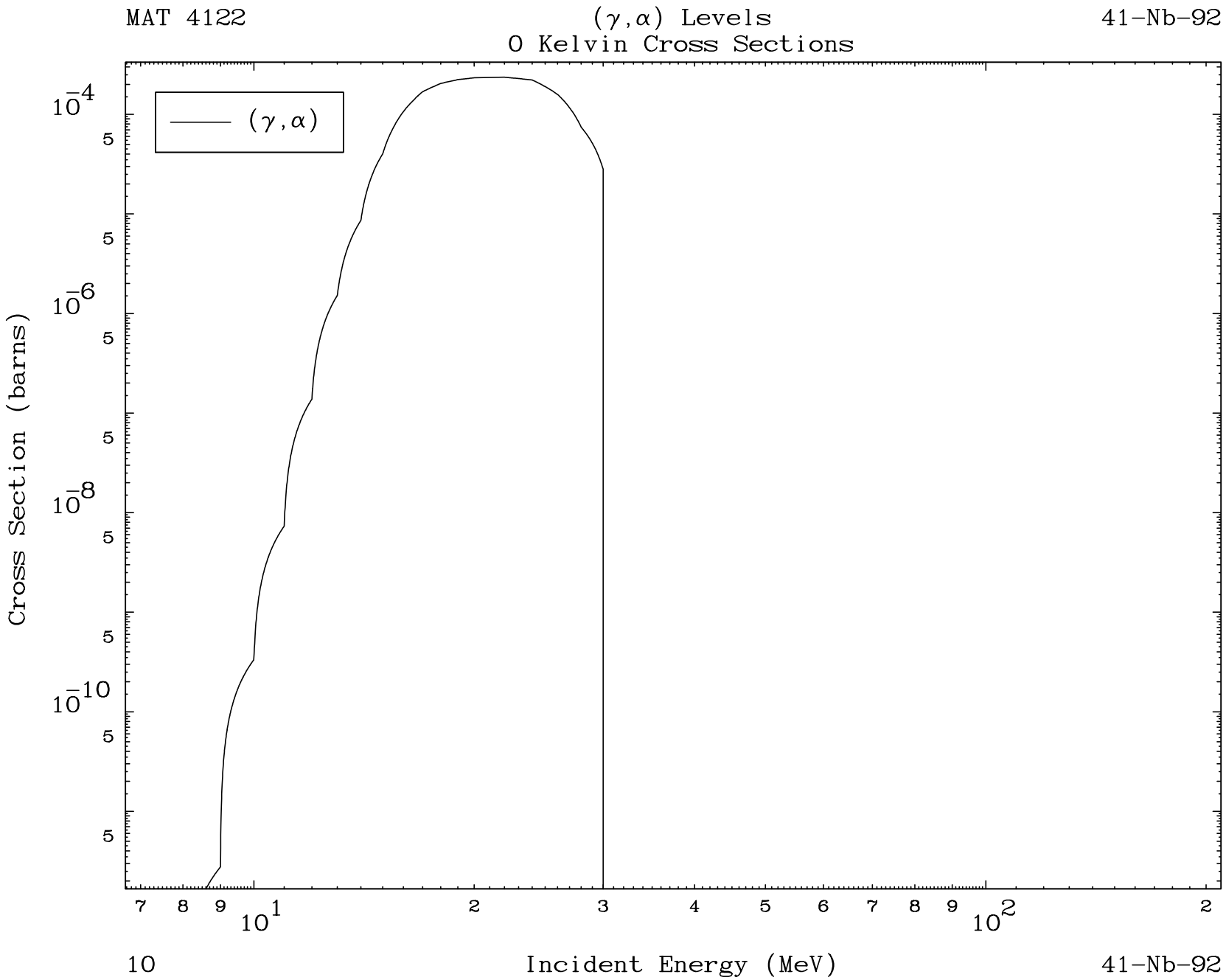

MAT 4122
(γ,n') Level
41-Nb-92
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
5
Incident Energy (MeV)
41-Nb-92

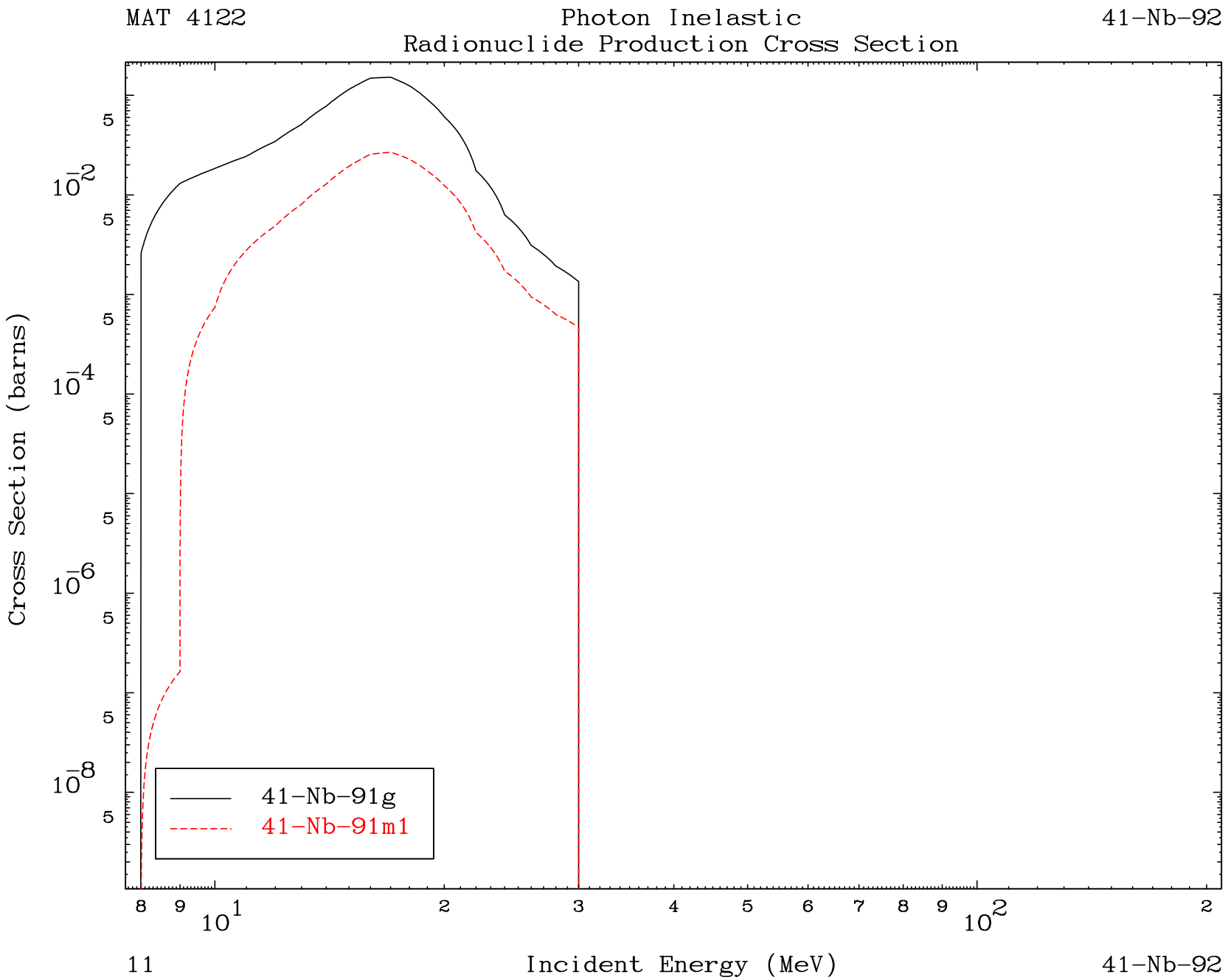

MAT 4122
(γ,p) Levels
41-Nb-92
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
41-Nb-92

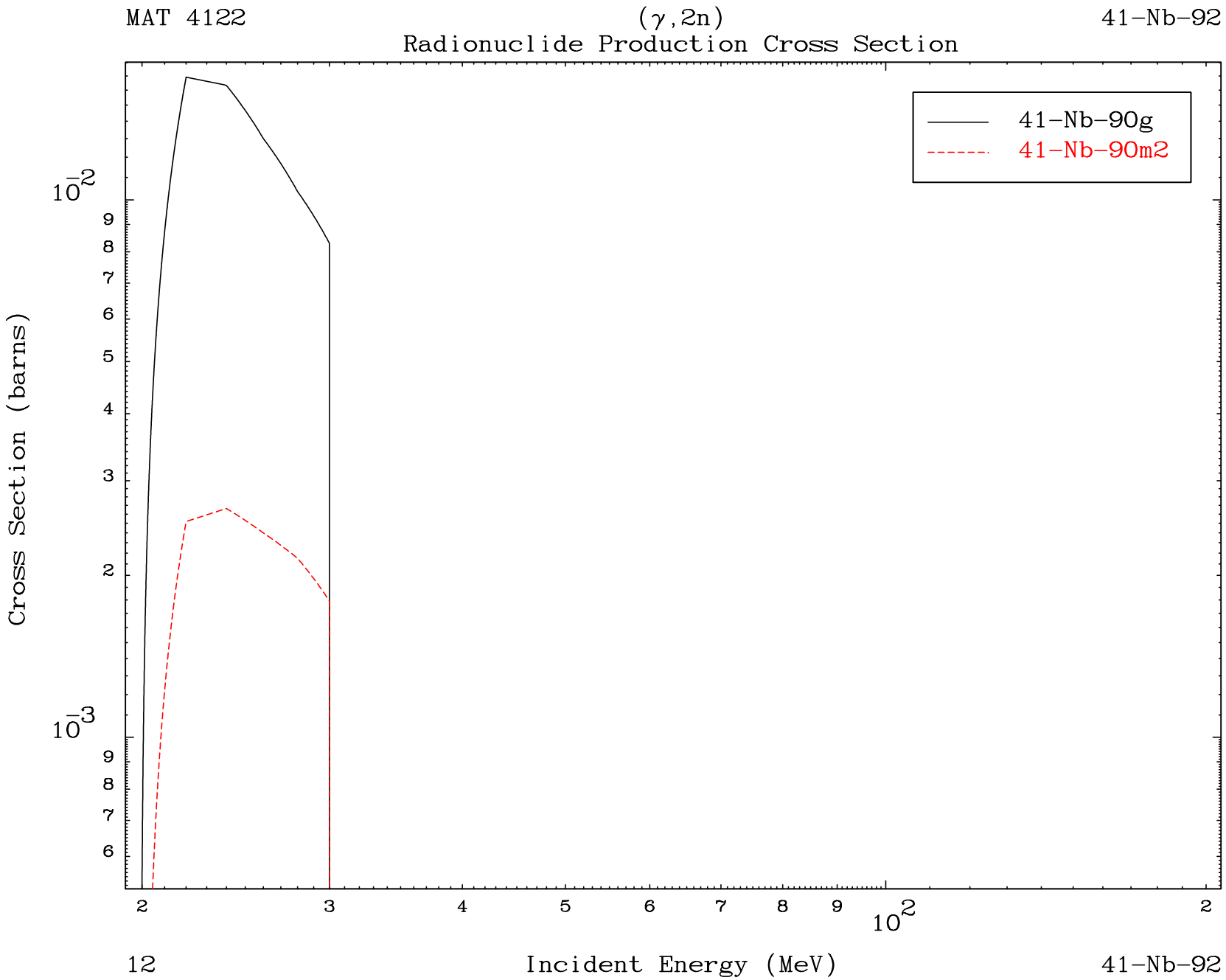

MAT 4122
(γ,d) Levels
41-Nb-92
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
41-Nb-92

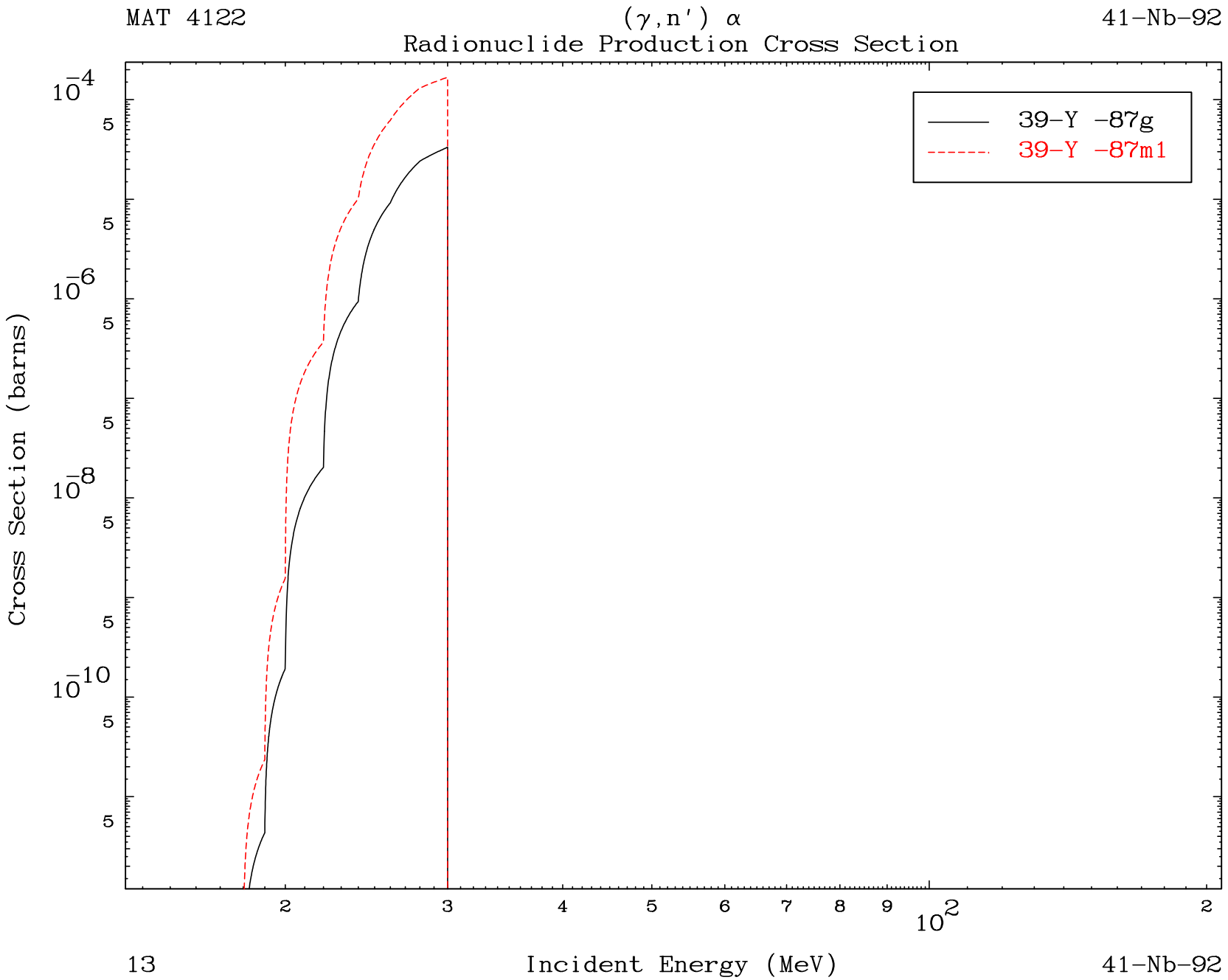

0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
5
5
10^-8
5
5
10^-10
5
5
10^-12
5
5
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

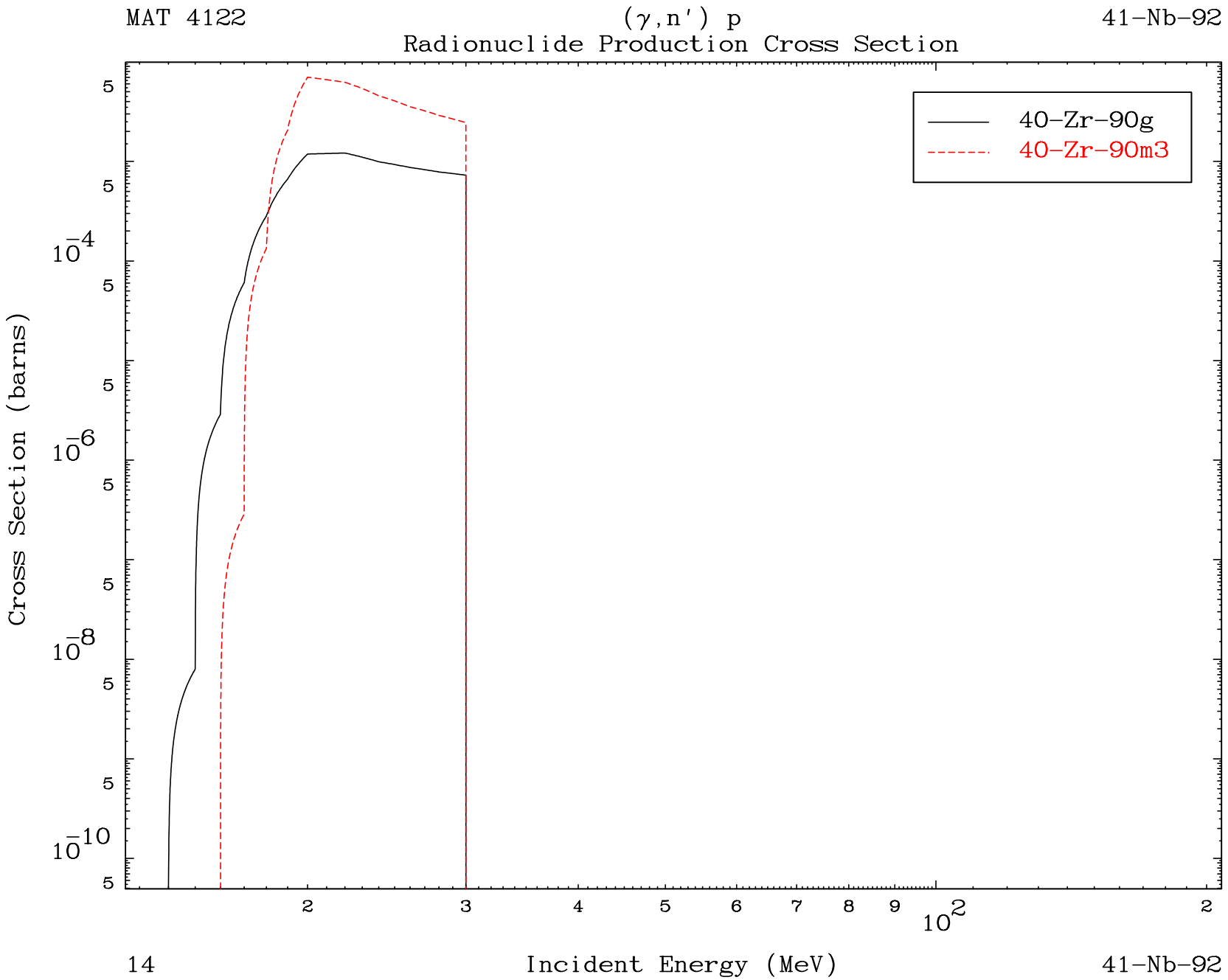

MAT 4122
(γ,He3) Levels
41-Nb-92
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
41-Nb-92

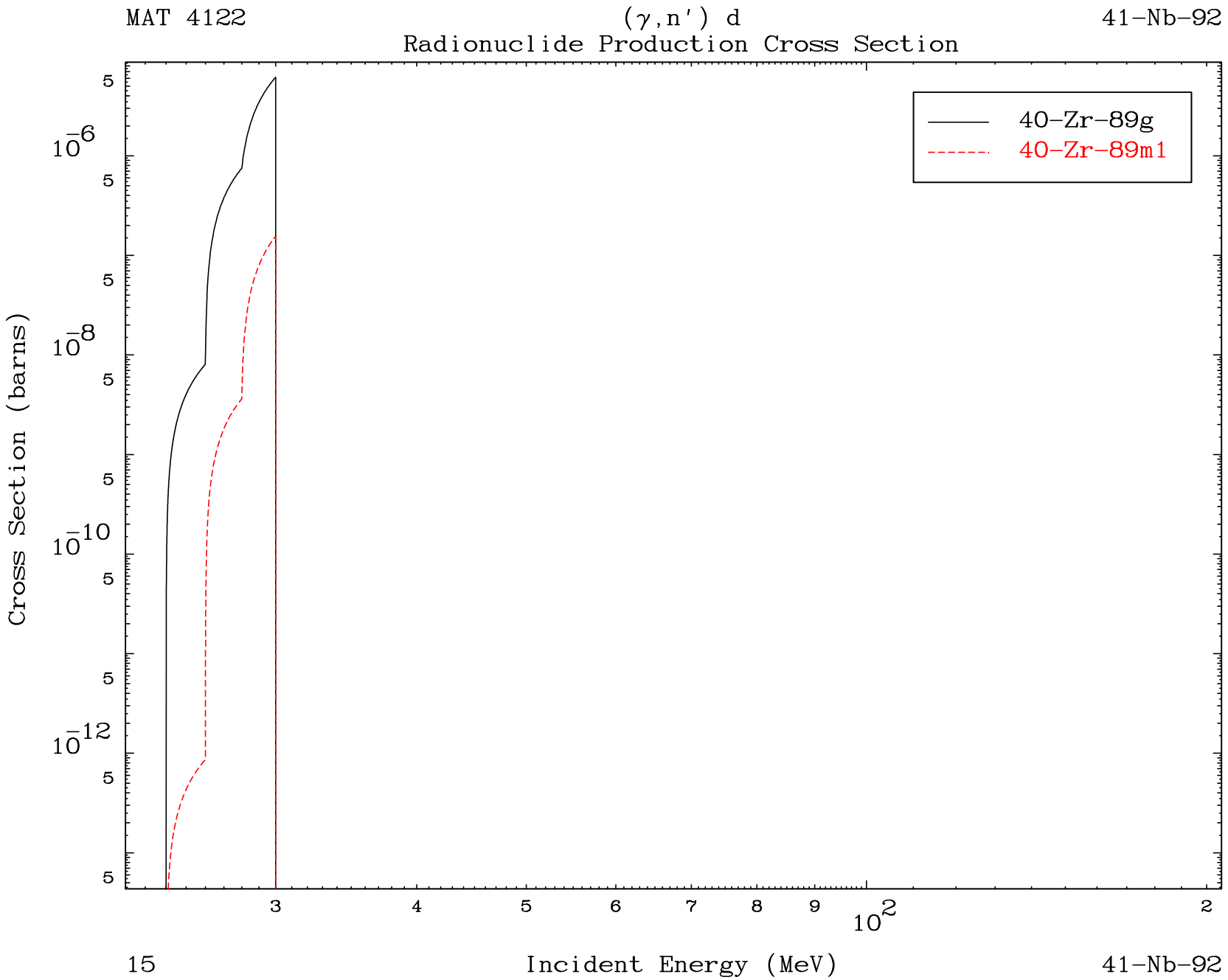

MAT 4122
(γ,α) Levels
41-Nb-92
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
41-Nb-92

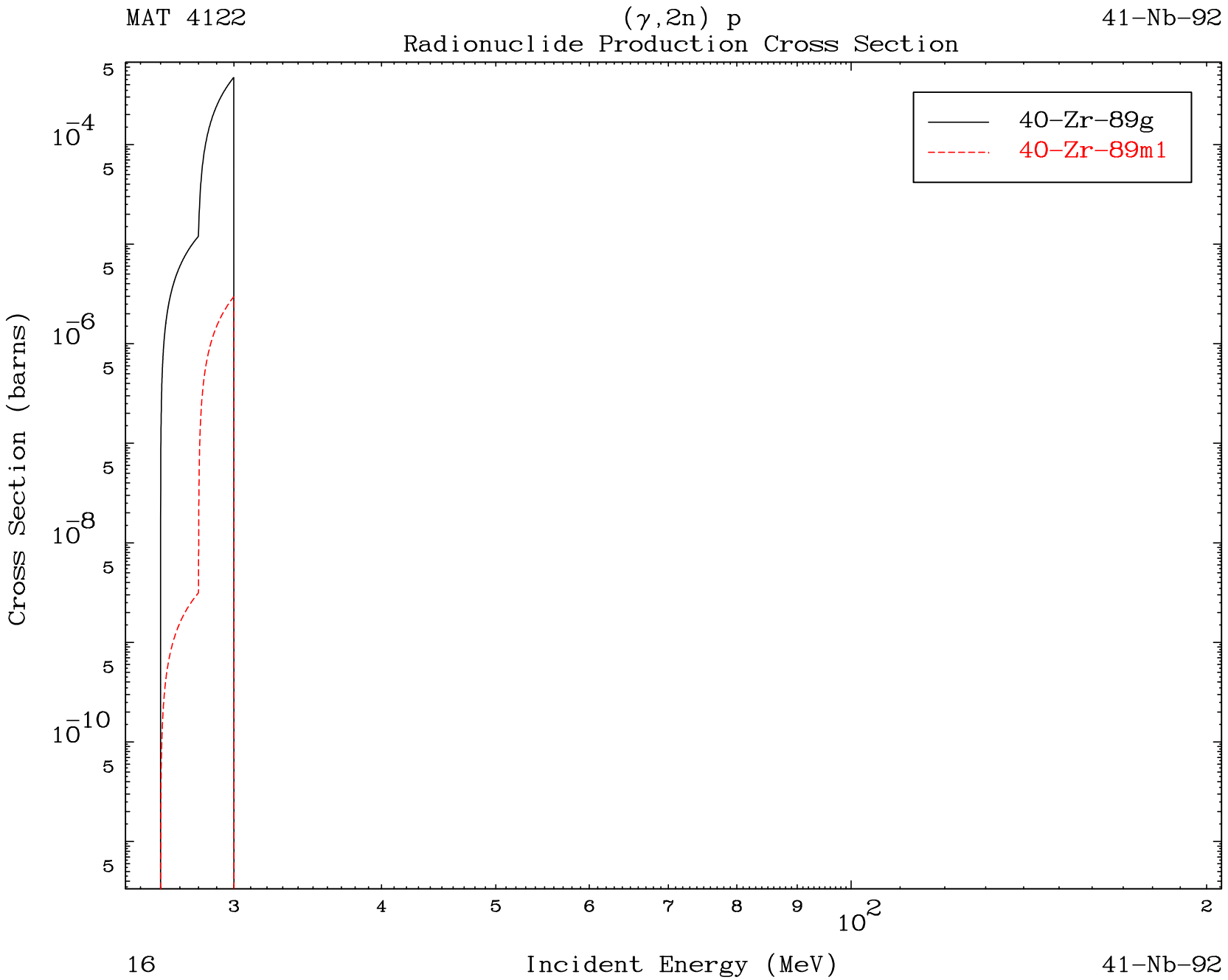

MAT 4122
Photon Inelastic
41-Nb-92
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
41-Nb-91g
41-Nb-91m1
11
41-Nb-92

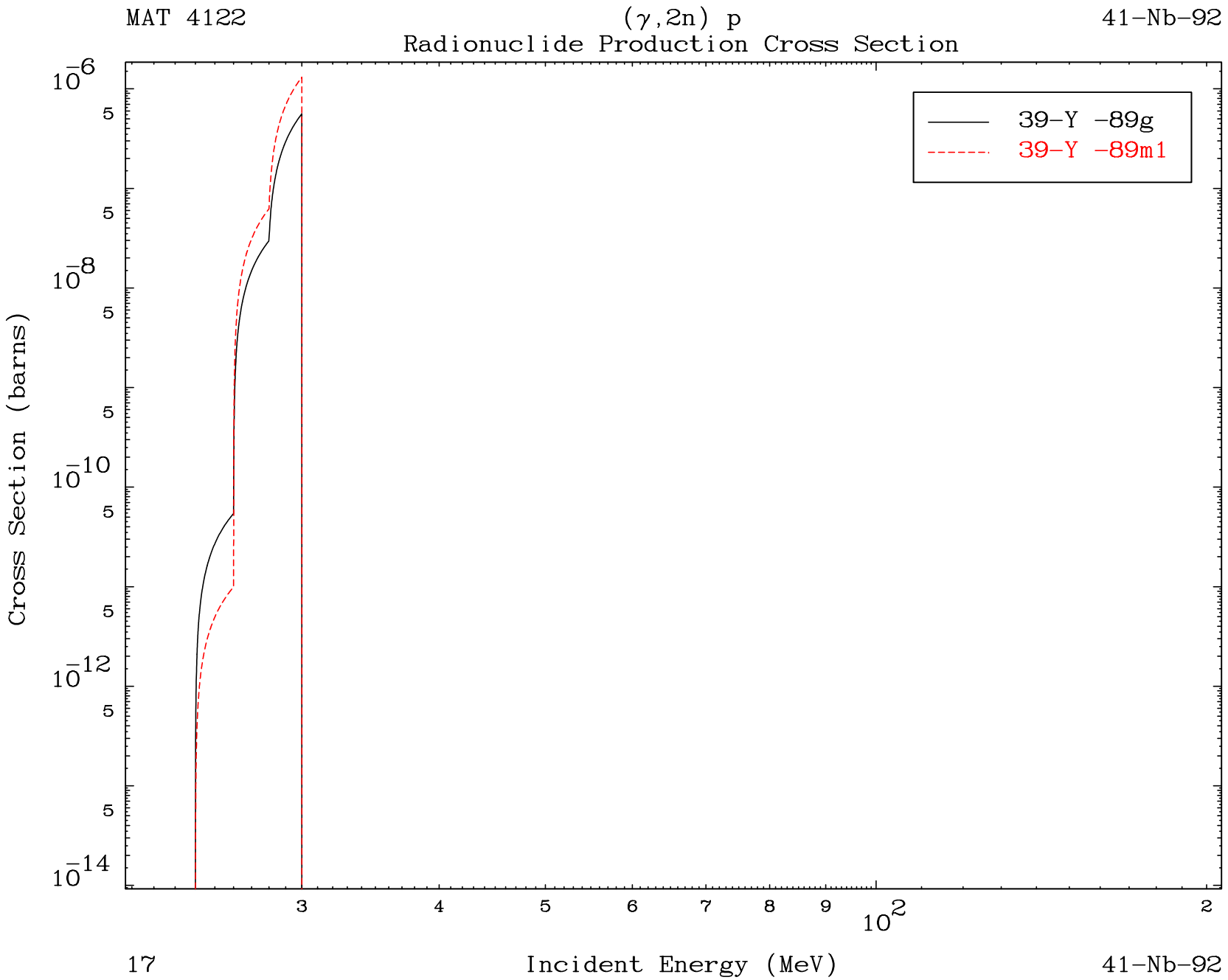

MAT 4122
(γ,2n)
41-Nb-92
Radionuclide Production Cross Section
41-Nb-90g
41-Nb-90m2
Cross Section (barns)
10-2
10-3
9
8
7
6
5
4
3
2
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
41-Nb-92

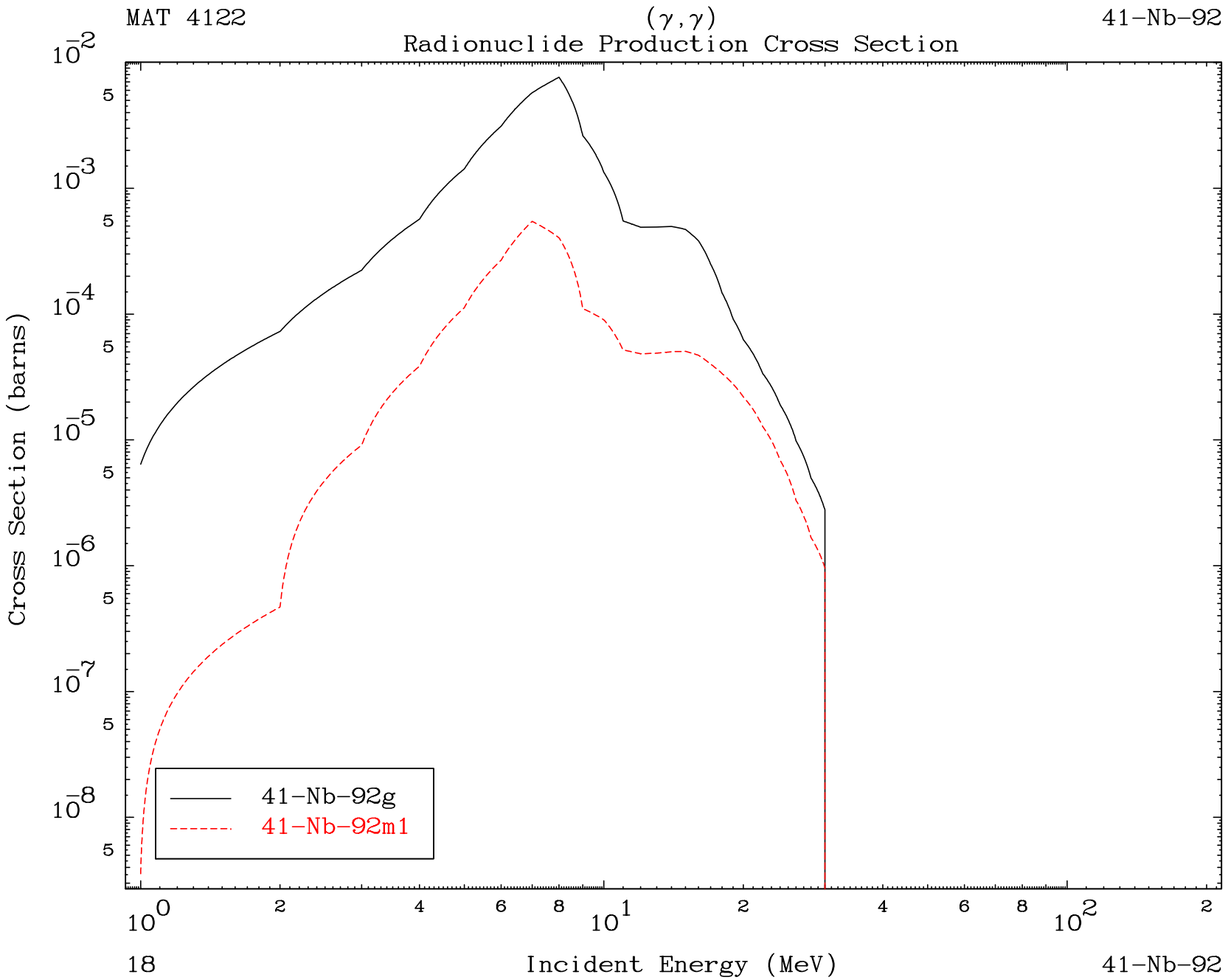

MAT 4122
(γ,n') α
41-Nb-92
Radionuclide Production Cross Section
39-Y -87g
39-Y -87m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
41-Nb-92

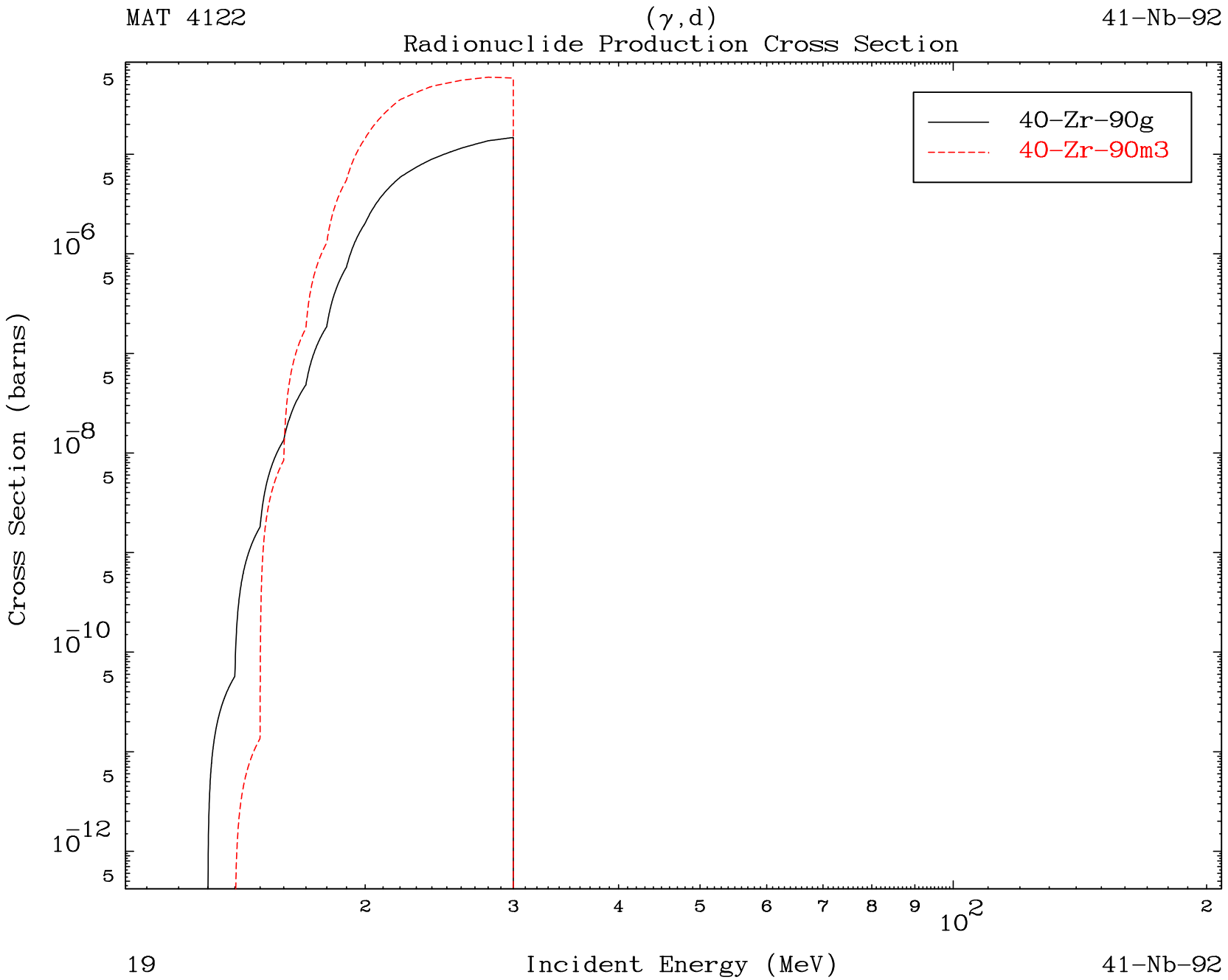

MAT 4122
(γ,n') p
41-Nb-92
Radionuclide Production Cross Section
40-Zr-90g
40-Zr-90m3
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
14
Incident Energy (MeV)
41-Nb-92

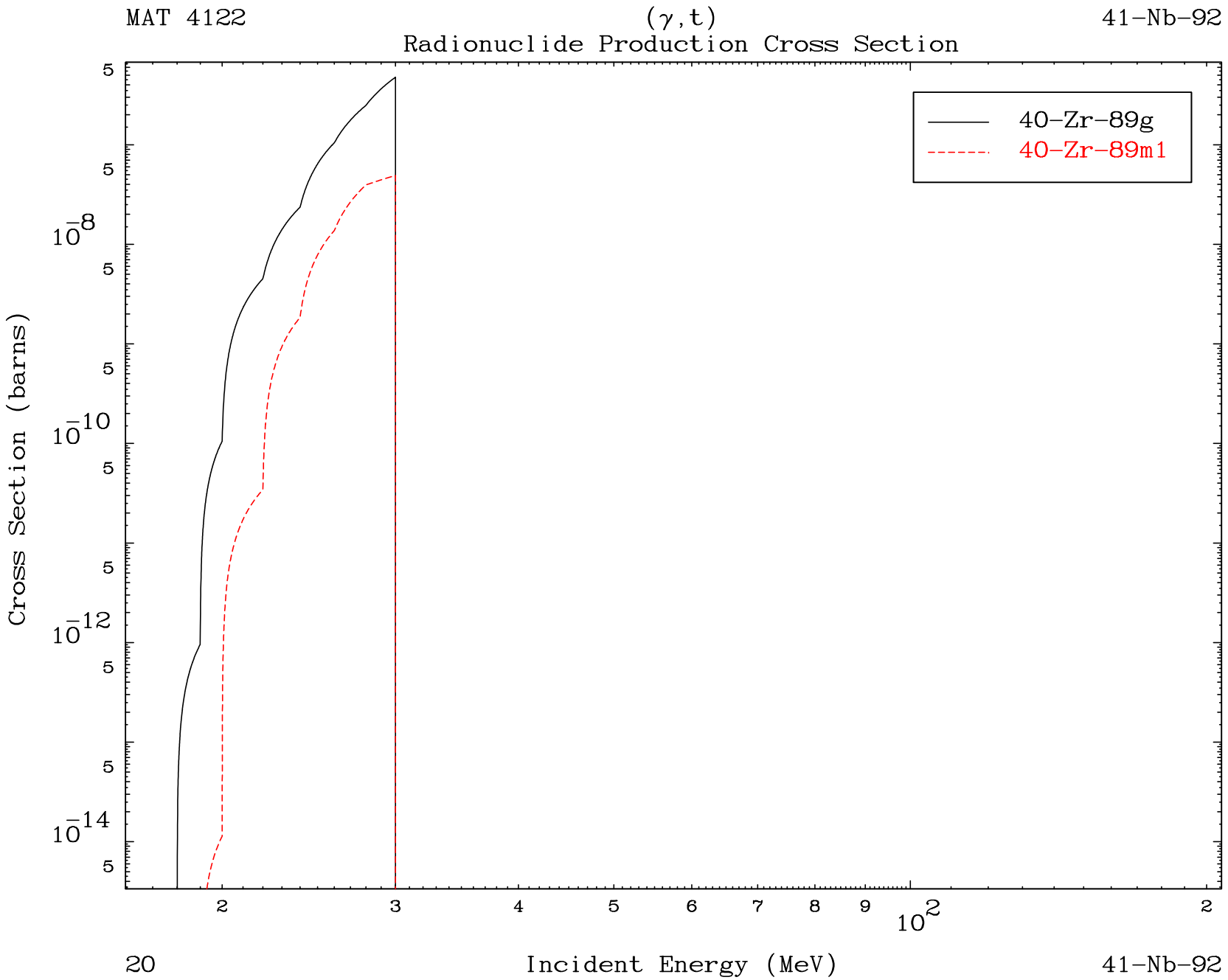

MAT 4122
(γ,n') d
41-Nb-92
Radionuclide Production Cross Section
40-Zr-89g
40-Zr-89m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
6
7
8
9
10^2
2
15
Incident Energy (MeV)
41-Nb-92

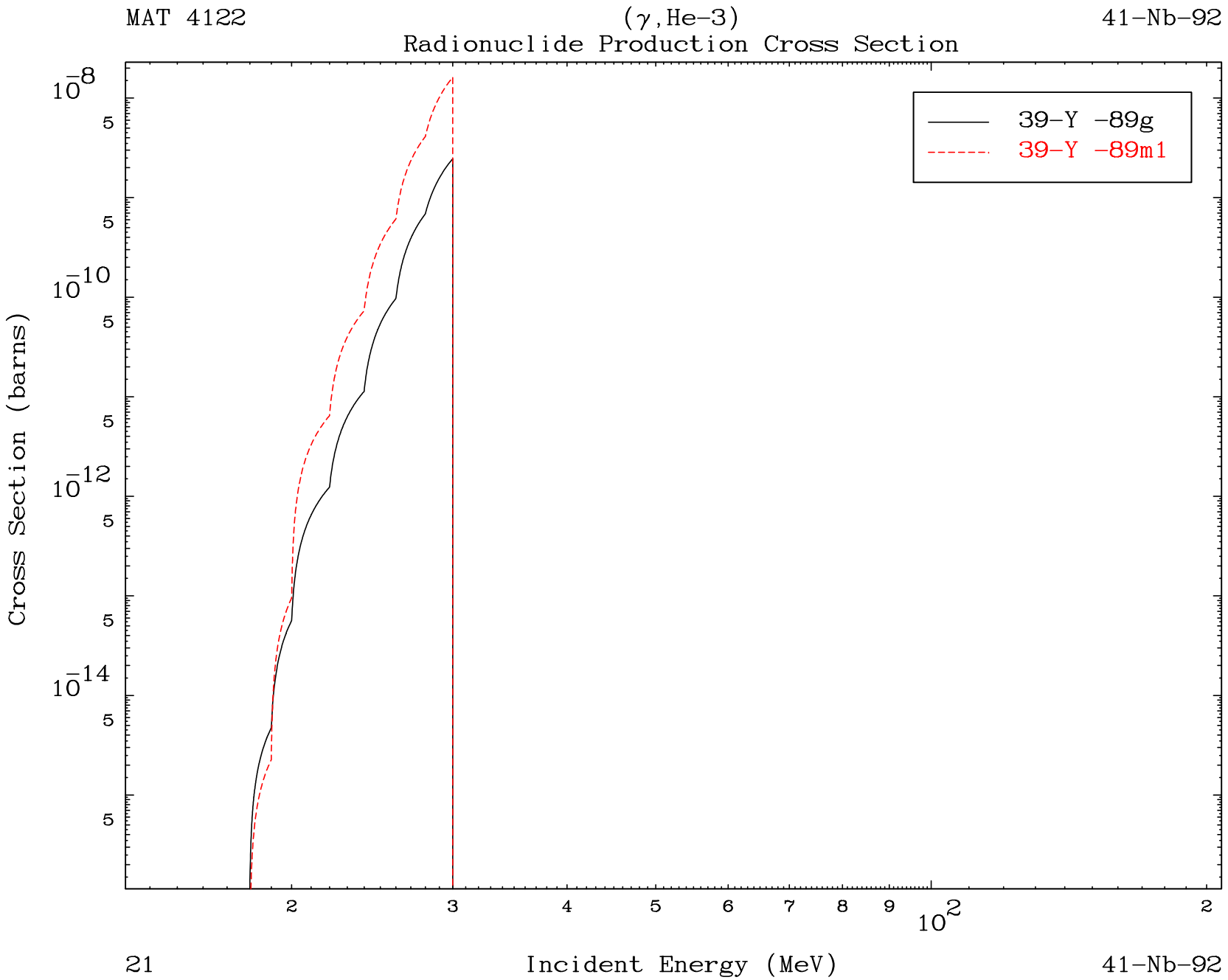

MAT 4122
(γ,2n) p
41-Nb-92
Radionuclide Production Cross Section
40-Zr-89g
40-Zr-89m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
41-Nb-92

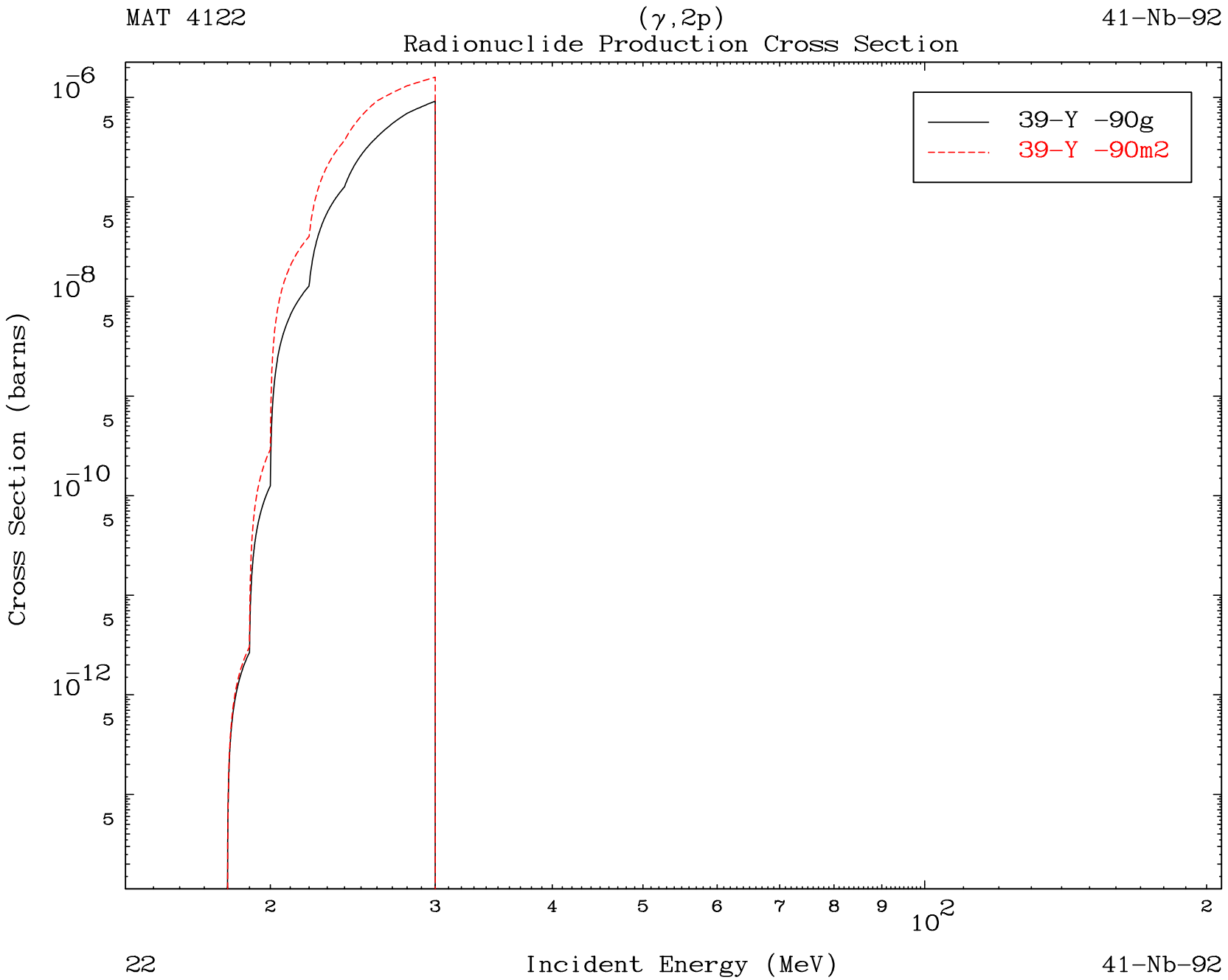

MAT 4122
(γ,2n) p
41-Nb-92
Radionuclide Production Cross Section
39-Y -89g
39-Y -89m1
Cross Section (barns)
10-6
10-8
10-10
10-12
10-14
5
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
41-Nb-92

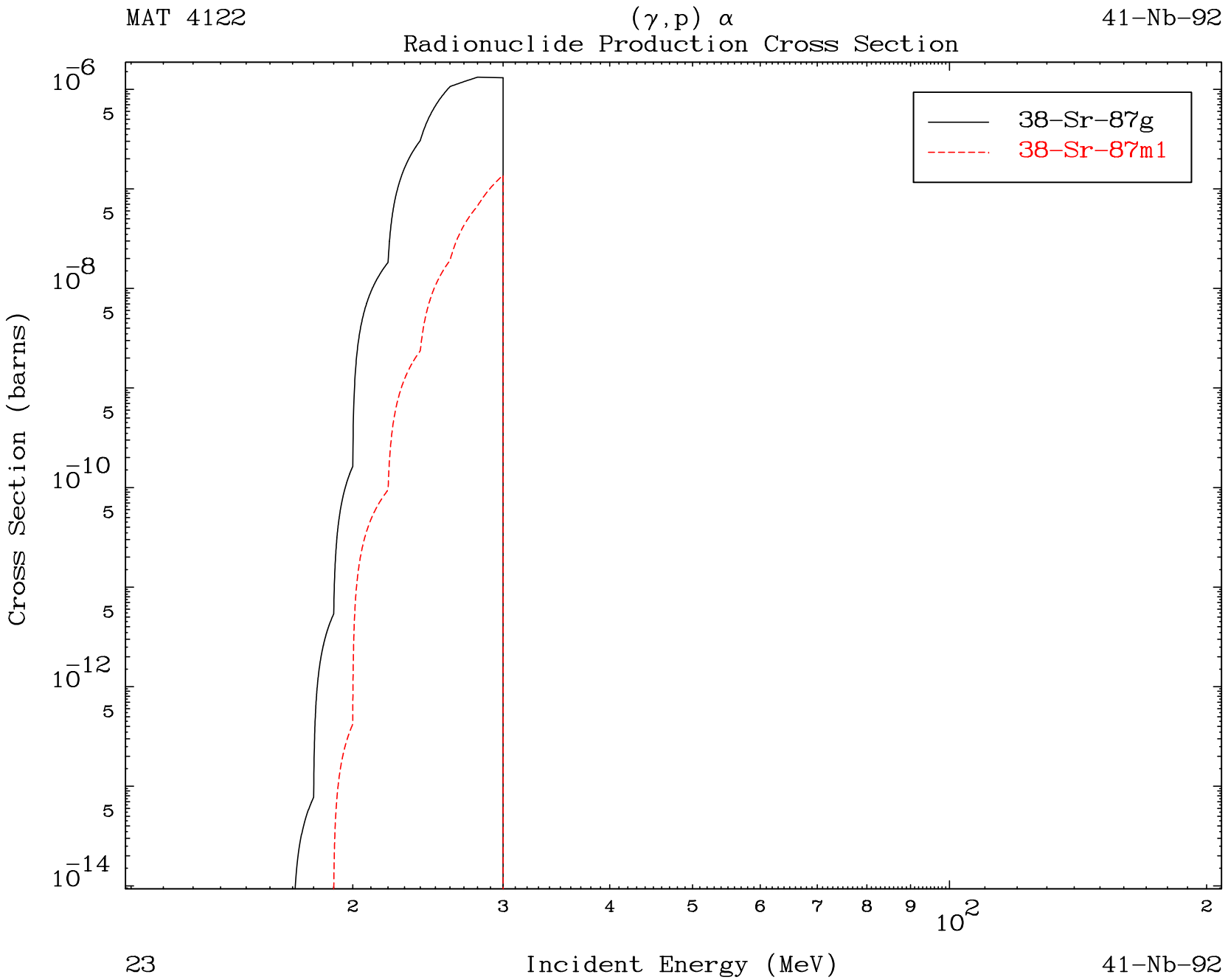

MAT 4122
(γ,γ)
41-Nb-92
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
41-Nb-92g
41-Nb-92m1
18
41-Nb-92

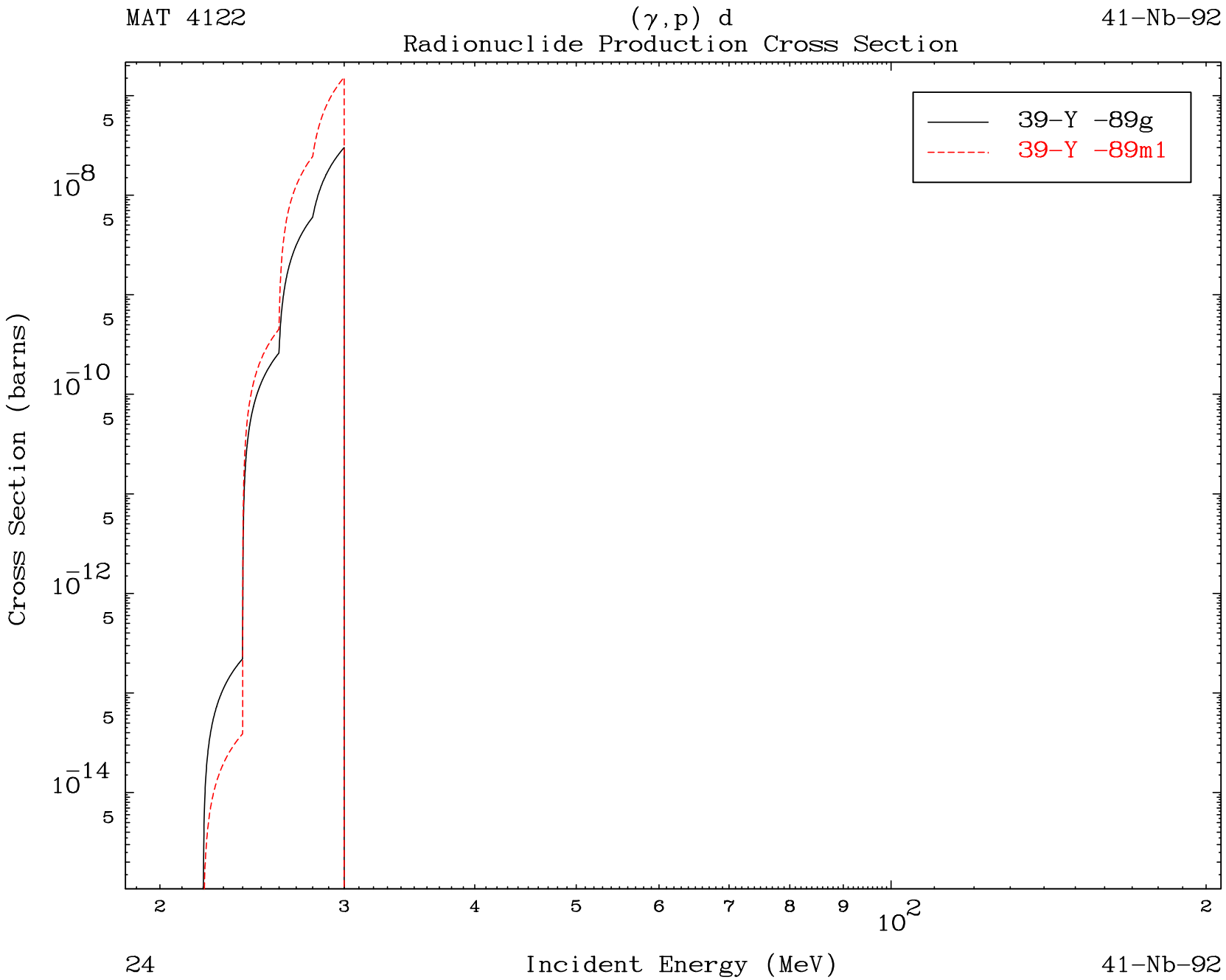

MAT 4122
(γ,d)
41-Nb-92
Radionuclide Production Cross Section
40-Zr-90g
40-Zr-90m3
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
41-Nb-92


MAT 4122
(γ,t)
41-Nb-92
Radionuclide Production Cross Section
40-Zr-89g
40-Zr-89m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
20
Incident Energy (MeV)
41-Nb-92


MAT 4122
(γ,He-3)
41-Nb-92
Radionuclide Production Cross Section
39-Y -89g
39-Y -89m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
41-Nb-92


MAT 4122
(γ,2p)
41-Nb-92
Radionuclide Production Cross Section
39-Y -90g
39-Y -90m2
Cross Section (barns)
10-6
10-8
10-10
10-12
Incident Energy (MeV)
22
41-Nb-92


MAT 4122
(γ,p) α
41-Nb-92
Radionuclide Production Cross Section
38-Sr-87g
38-Sr-87m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
23
Incident Energy (MeV)
41-Nb-92


MAT 4122
(γ,p) d
41-Nb-92
Radionuclide Production Cross Section
39-Y -89g
39-Y -89m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
2
3
4
5
6
7
8
9
10^2
2
24
Incident Energy (MeV)
41-Nb-92