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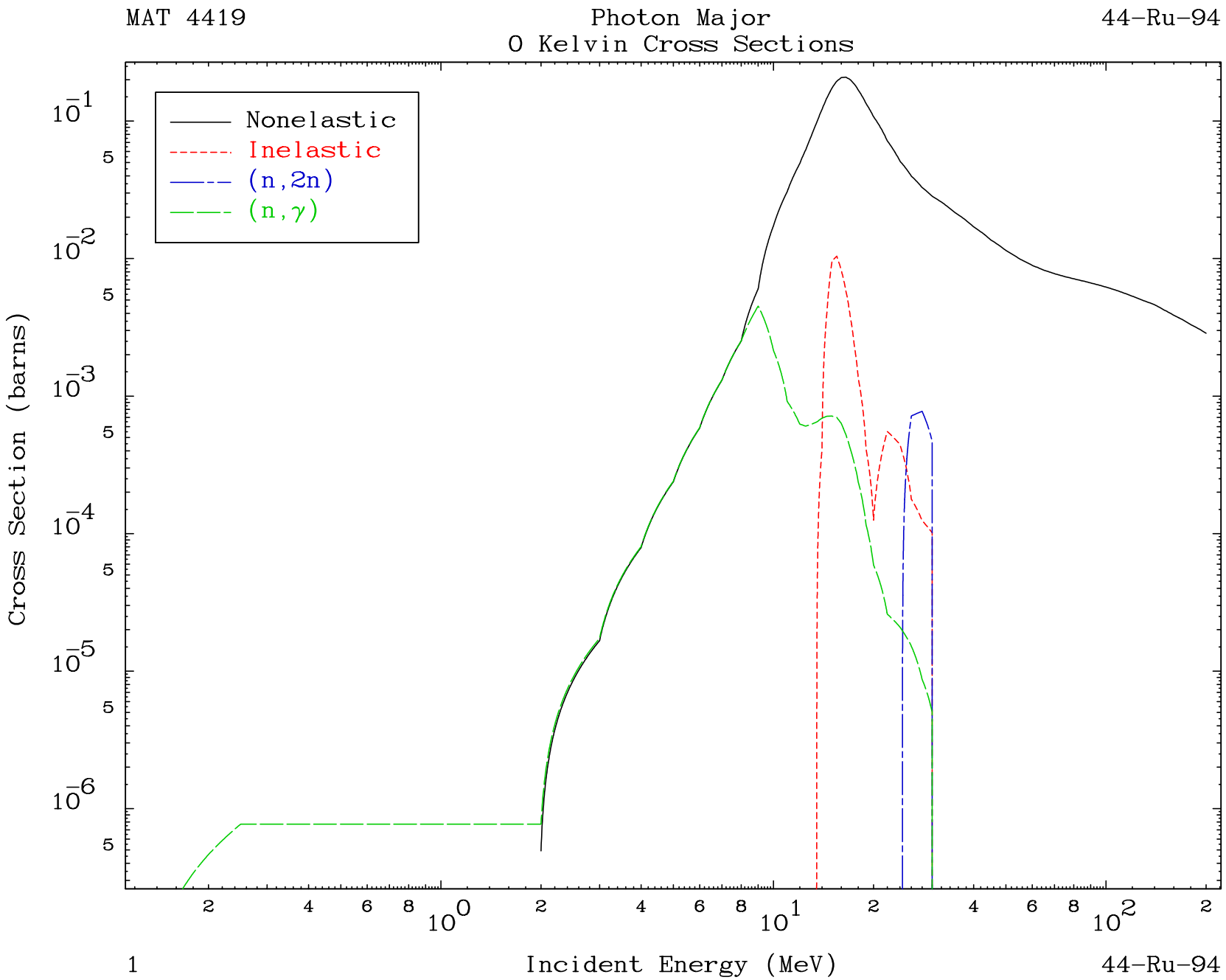
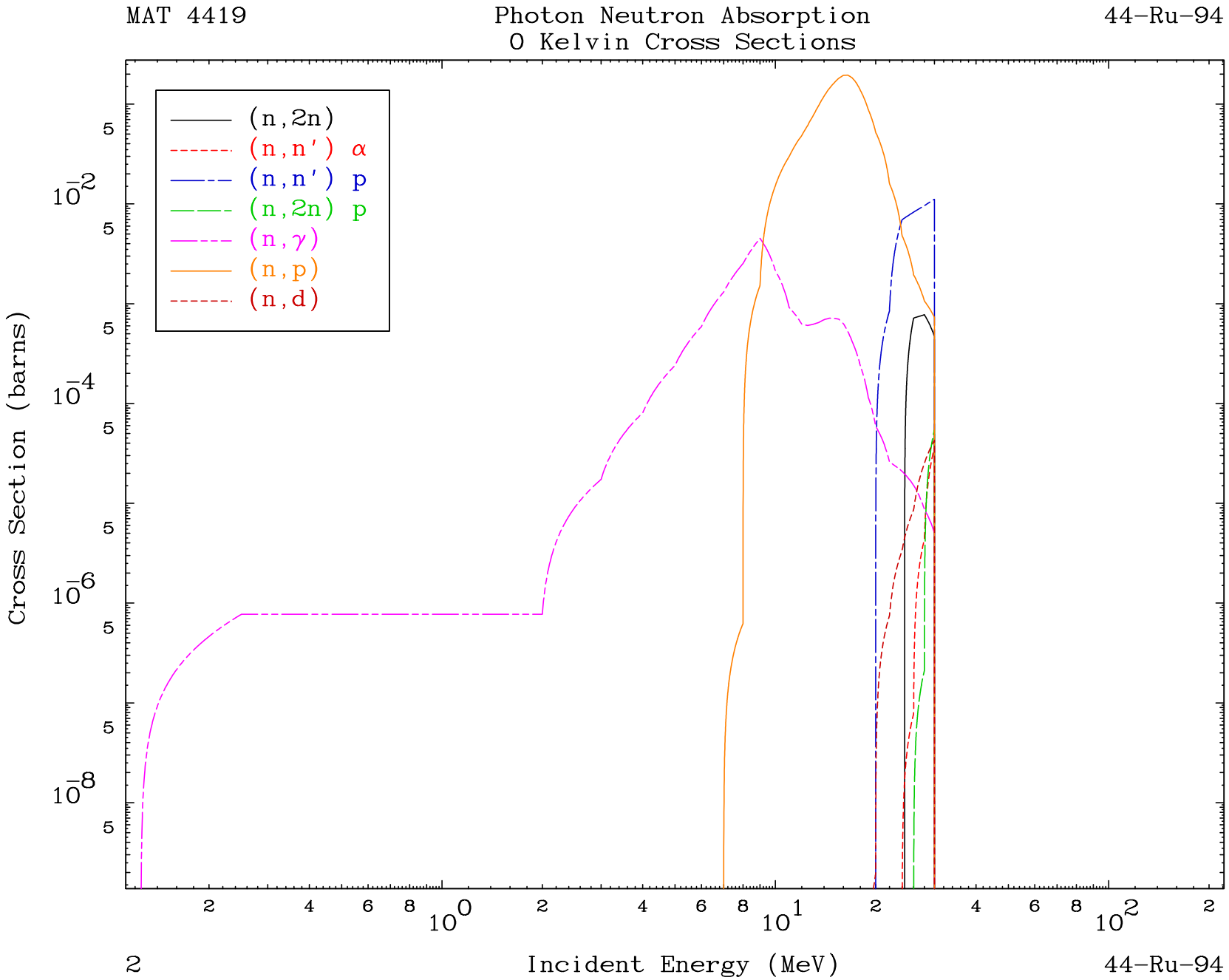
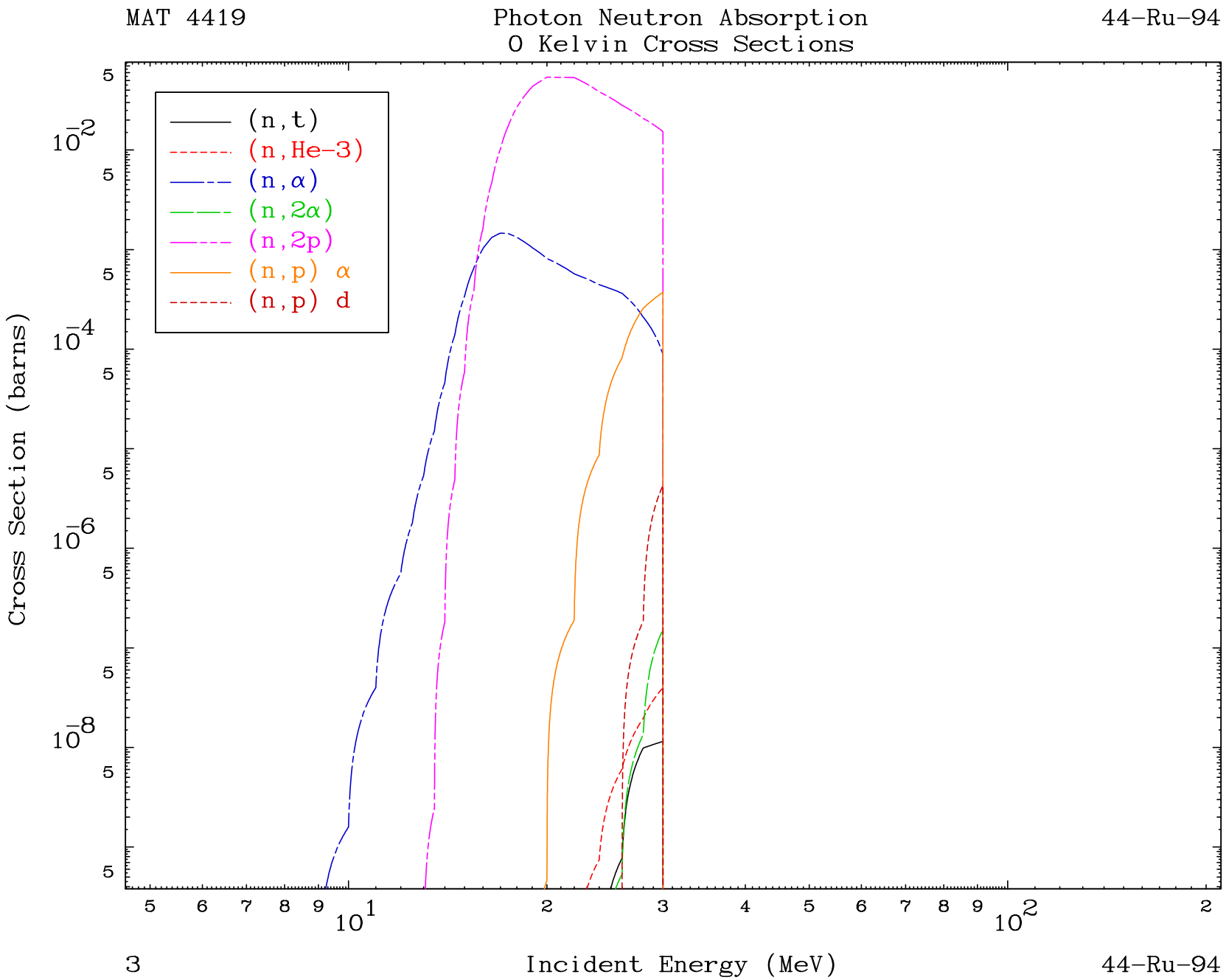
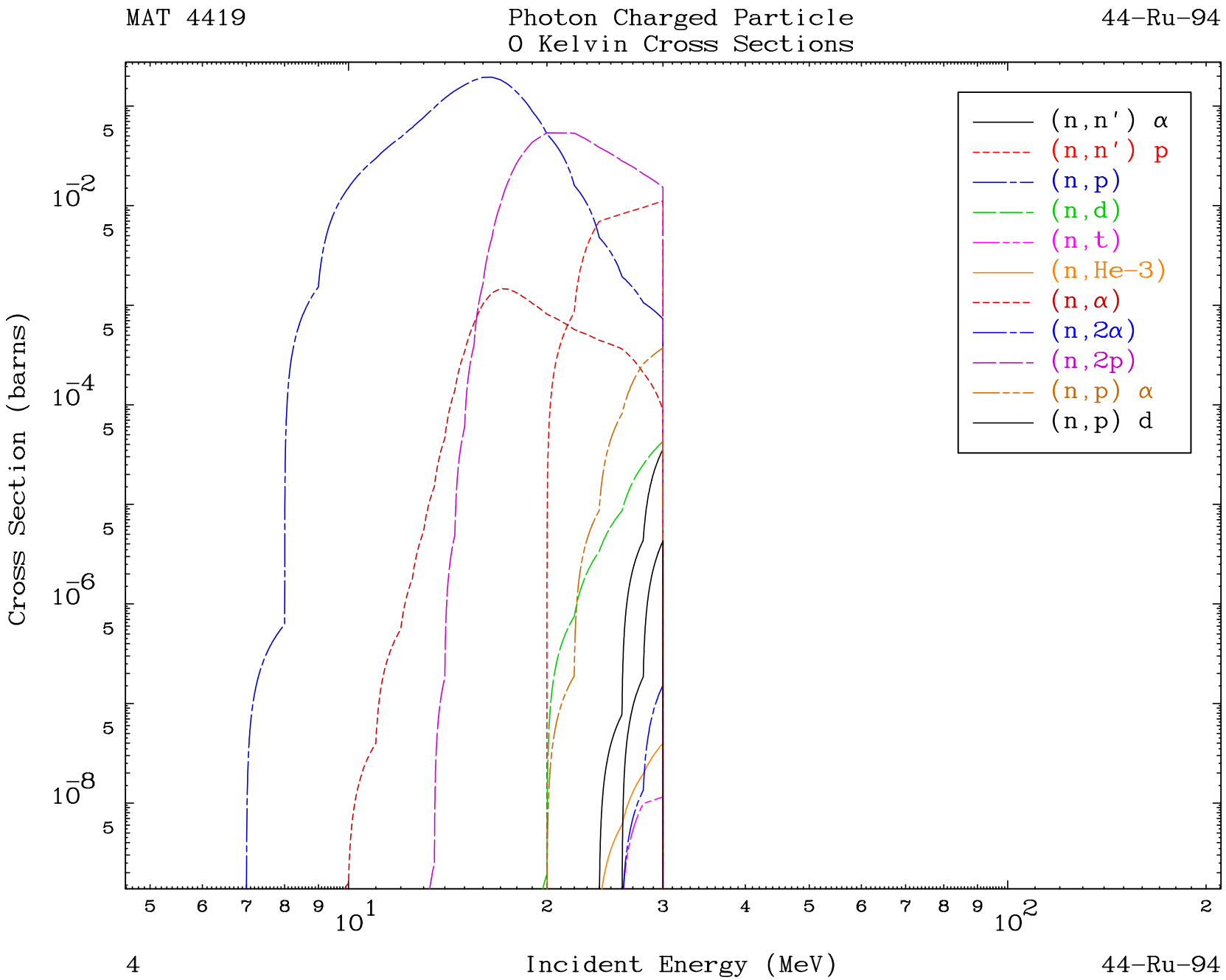
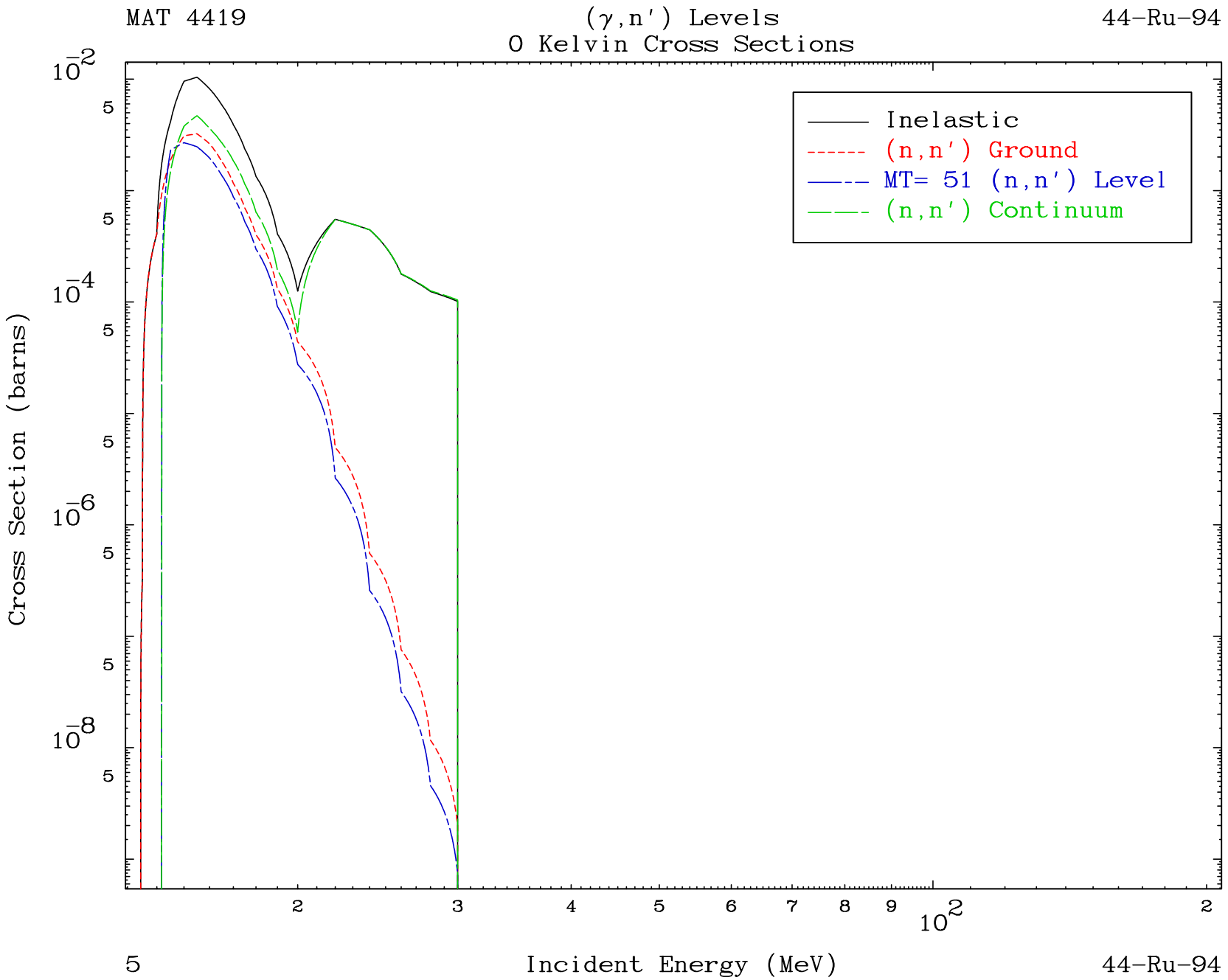
Press Mouse Button to Start

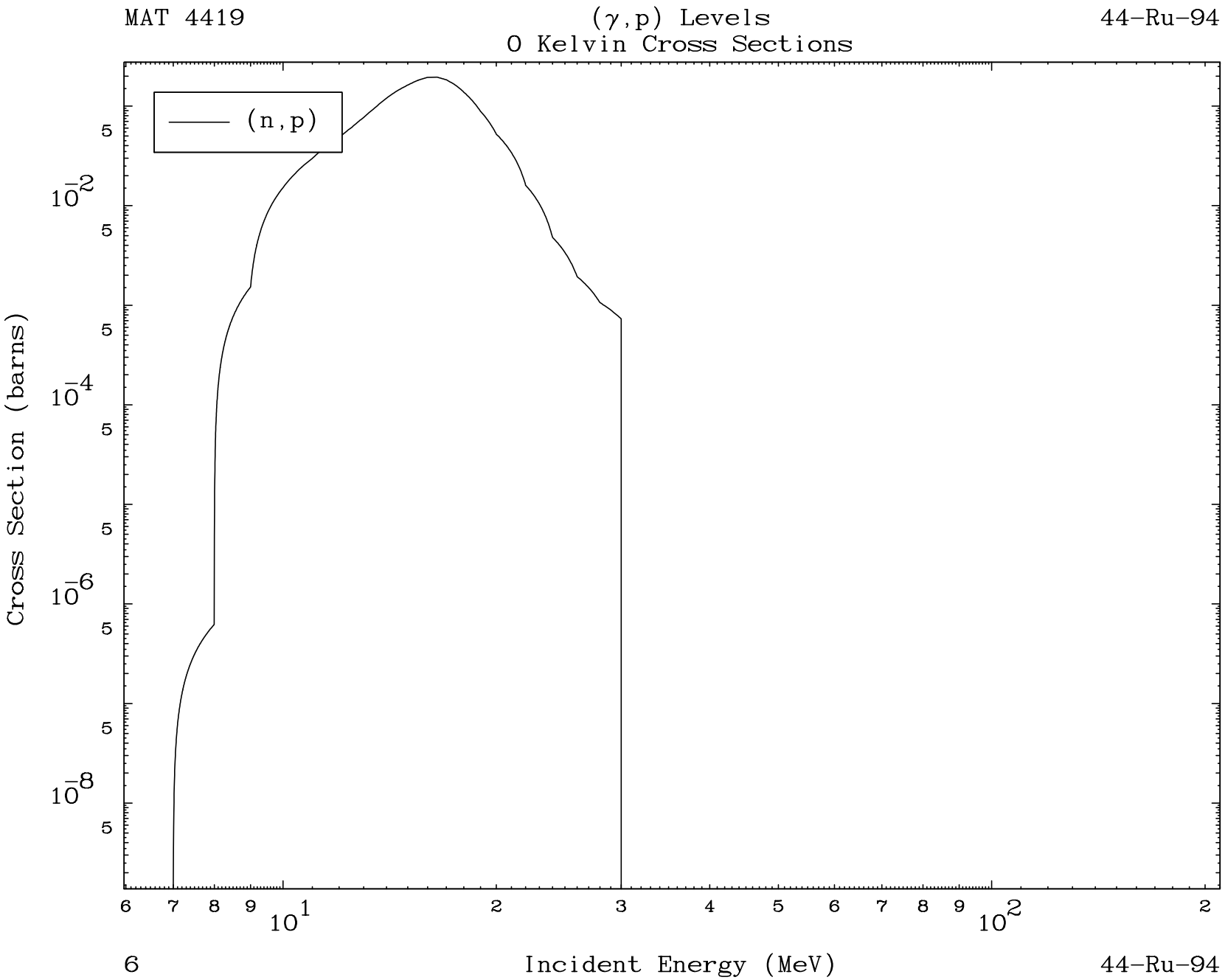

MAT 4419
Photon Major
44-Ru-94
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
44-Ru-94

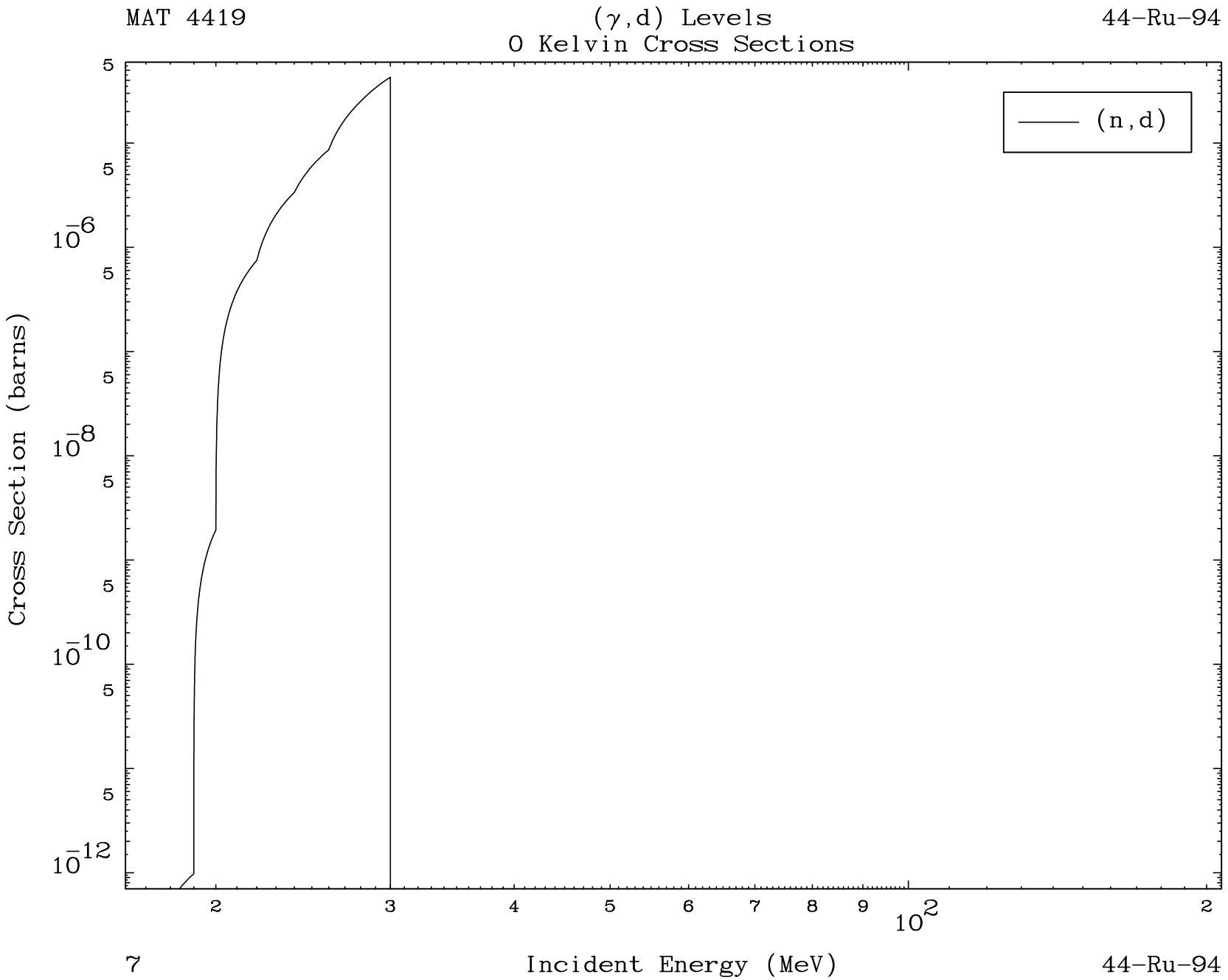

MAT 4419
Photon Neutron Absorption
0 Kelvin Cross Sections
44-Ru-94
(n,2n)
(n,n') α
(n,n') p
(n,2n) p
(n,γ)
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
44-Ru-94
2

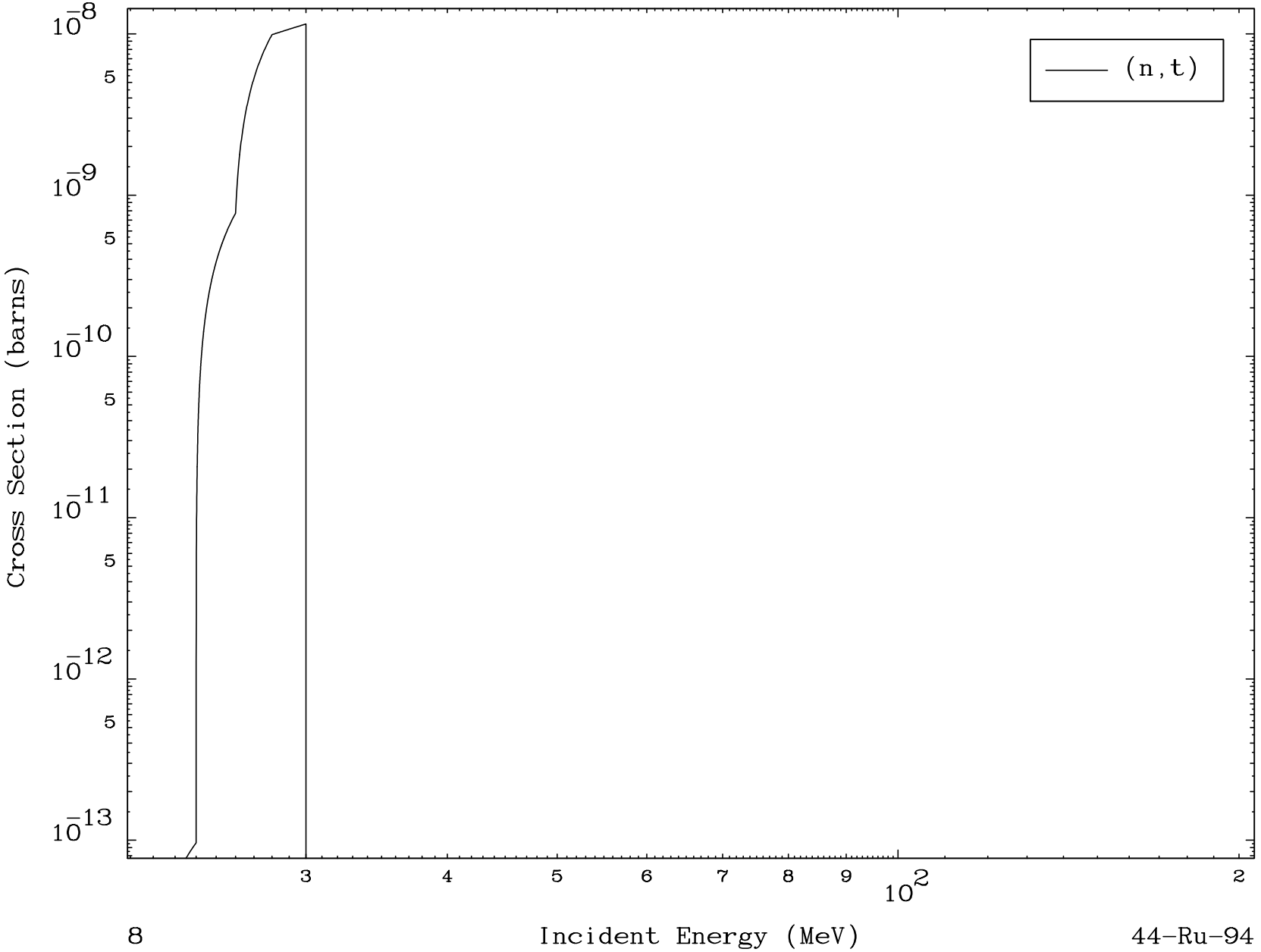

MAT 4419
Photon Neutron Absorption
0 Kelvin Cross Sections
44-Ru-94
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
Cross Section (barns)
Incident Energy (MeV)
3
44-Ru-94

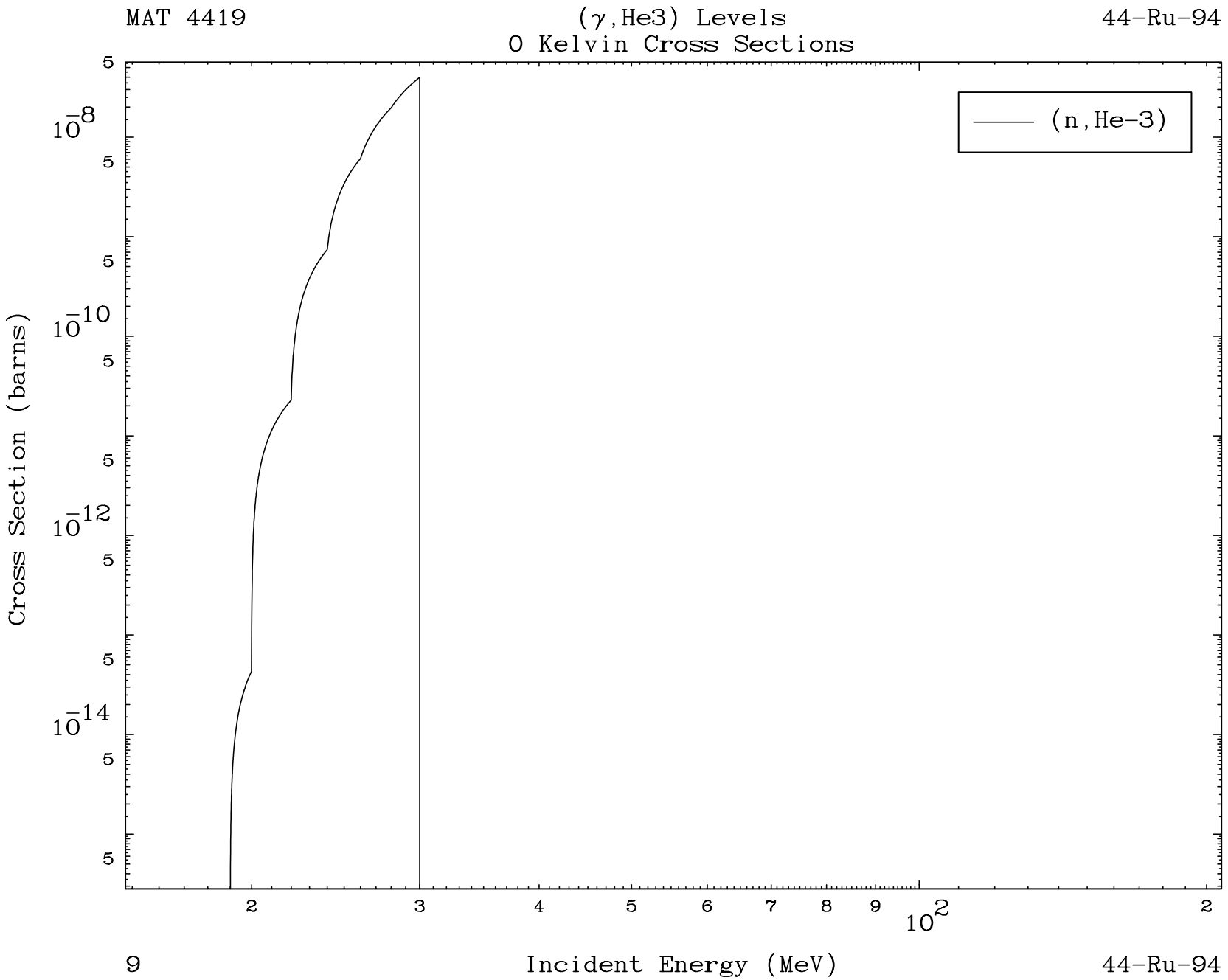

MAT 4419
Photon Charged Particle
0 Kelvin Cross Sections
44-Ru-94
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,n') p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
4
44-Ru-94

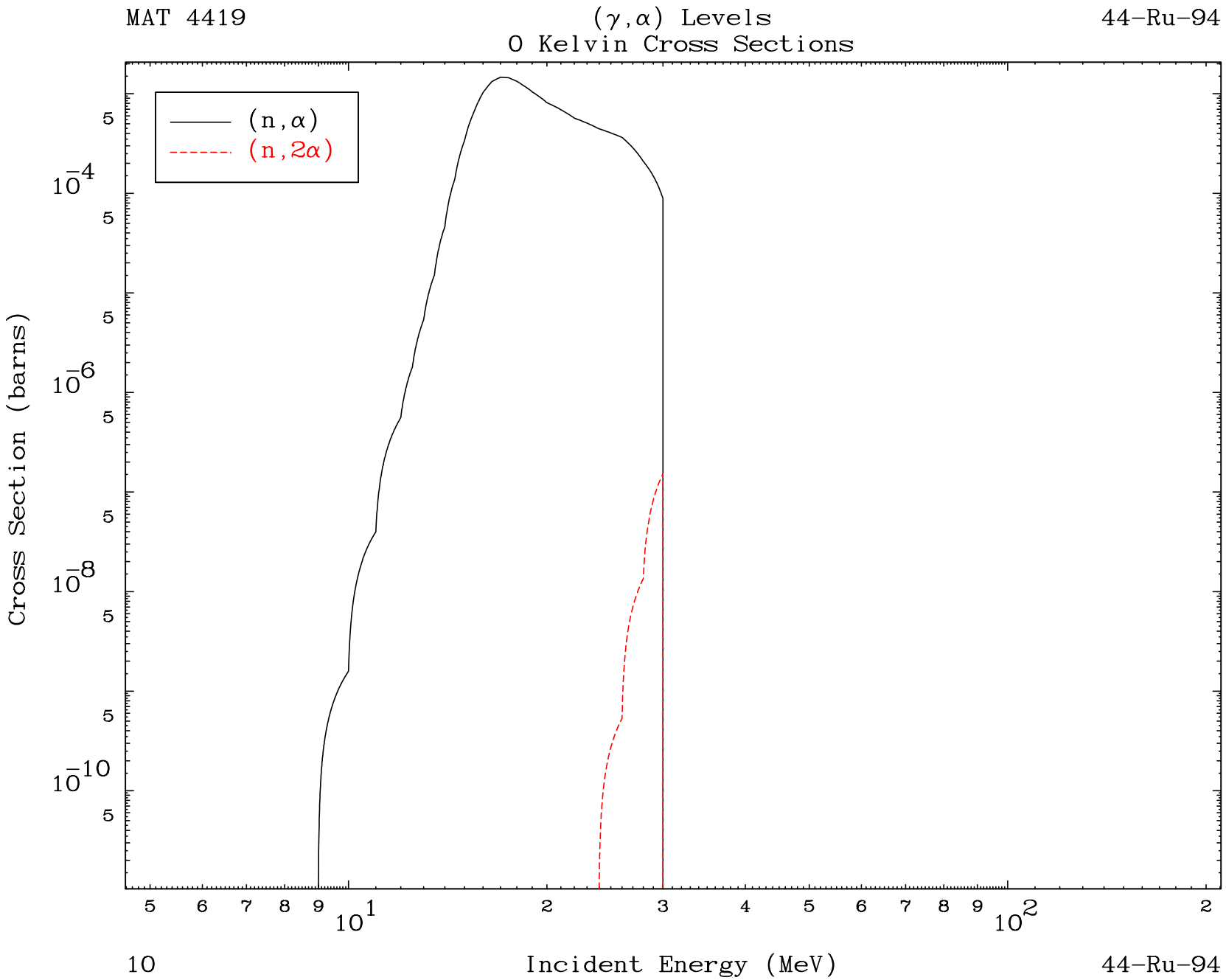

MAT 4419
(γ,n') Levels
44-Ru-94
0 Kelvin Cross Sections
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
5
44-Ru-94

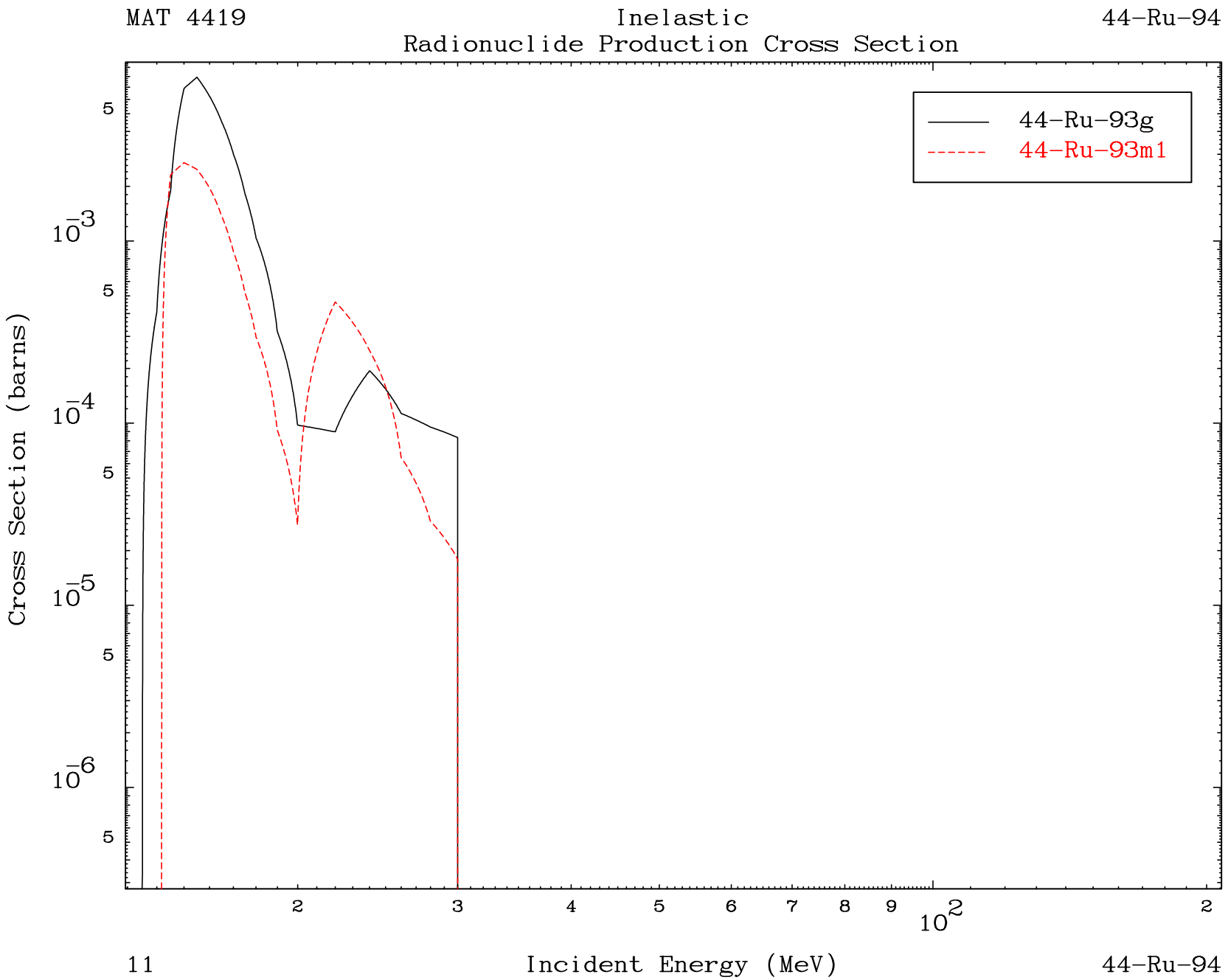

MAT 4419
(γ,p) Levels
44-Ru-94
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
6
44-Ru-94

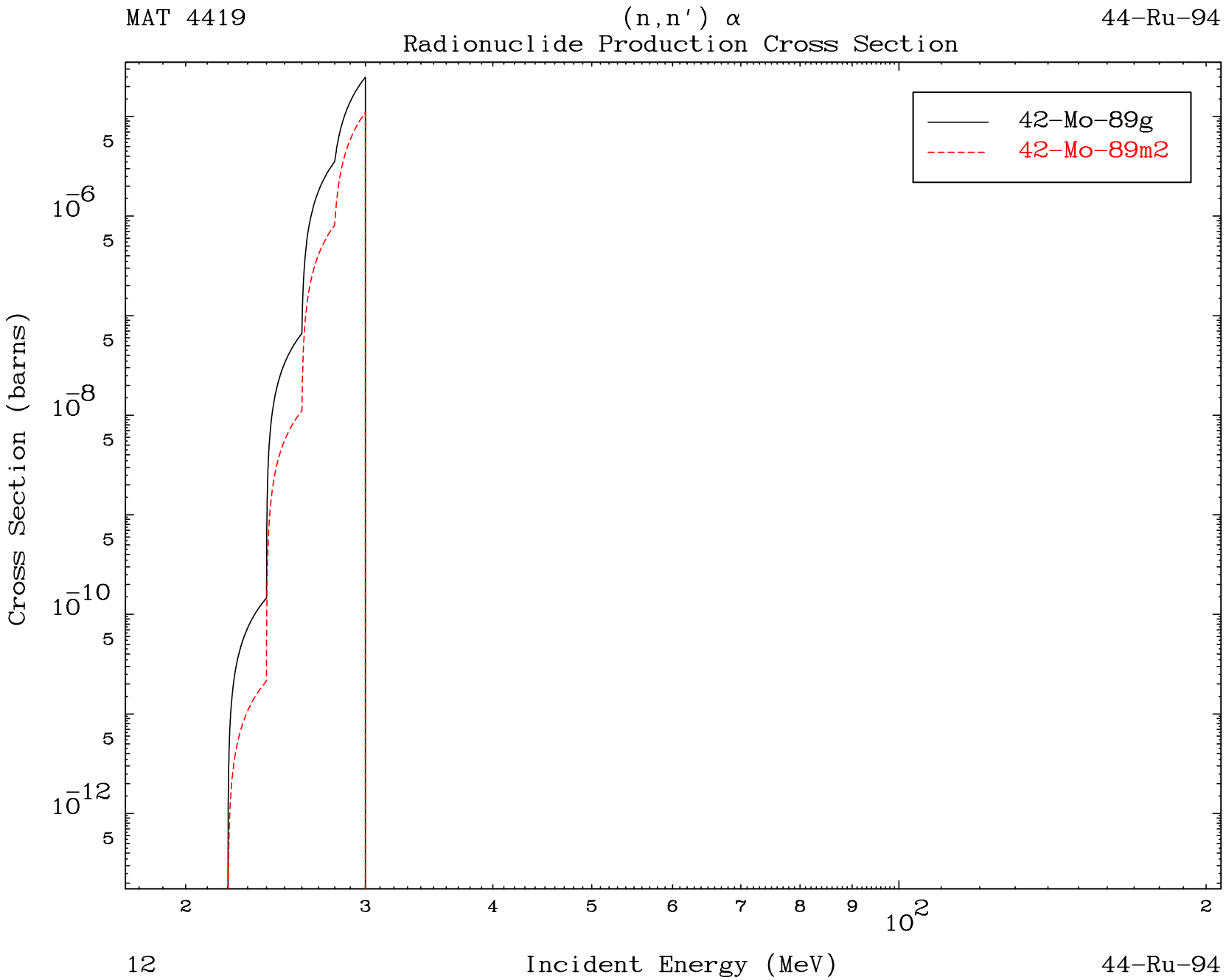

MAT 4419
(γ,d) Levels
44-Ru-94
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
44-Ru-94

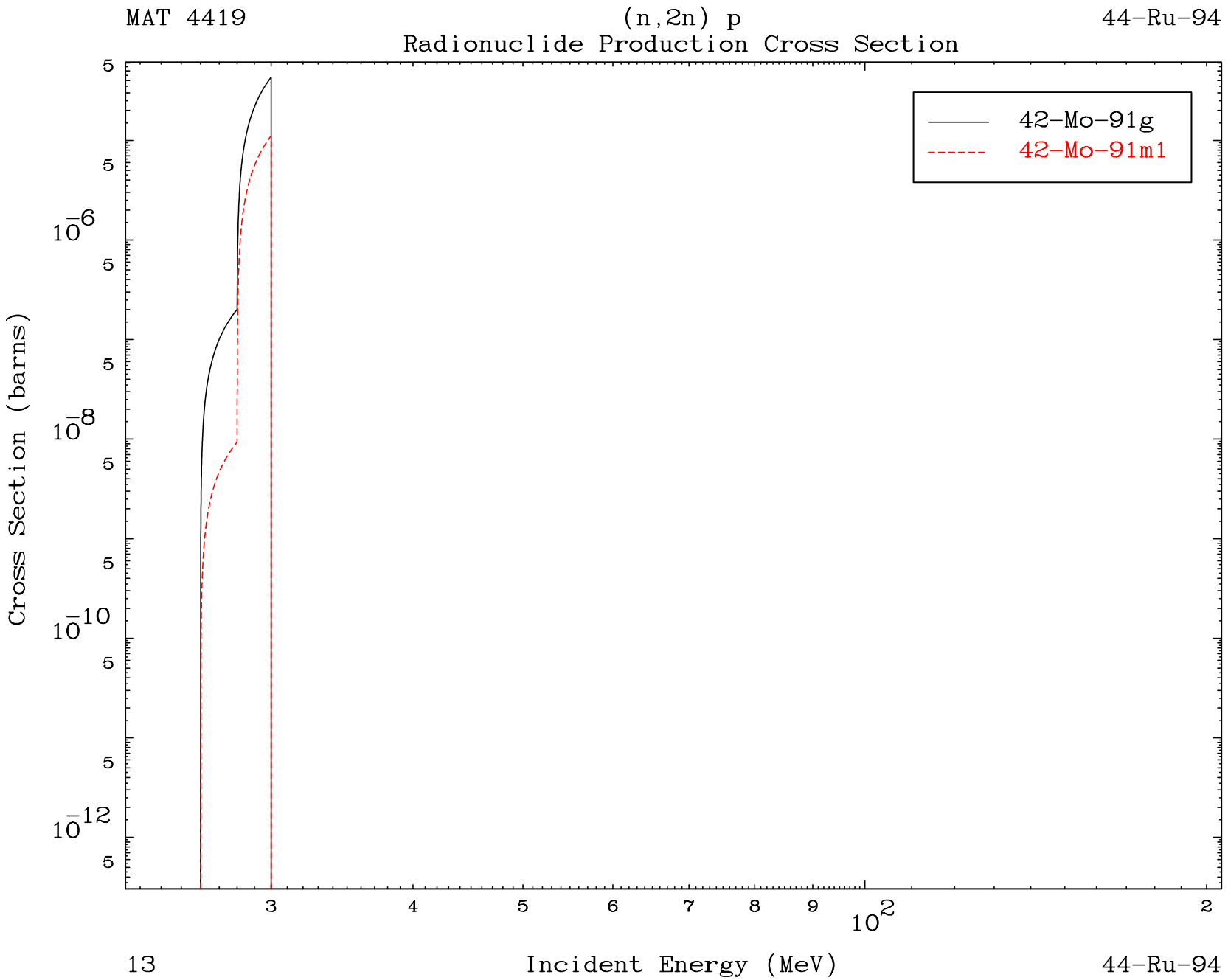

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-8
5
10-9
5
10-10
5
10-11
5
10-12
5
10-13
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

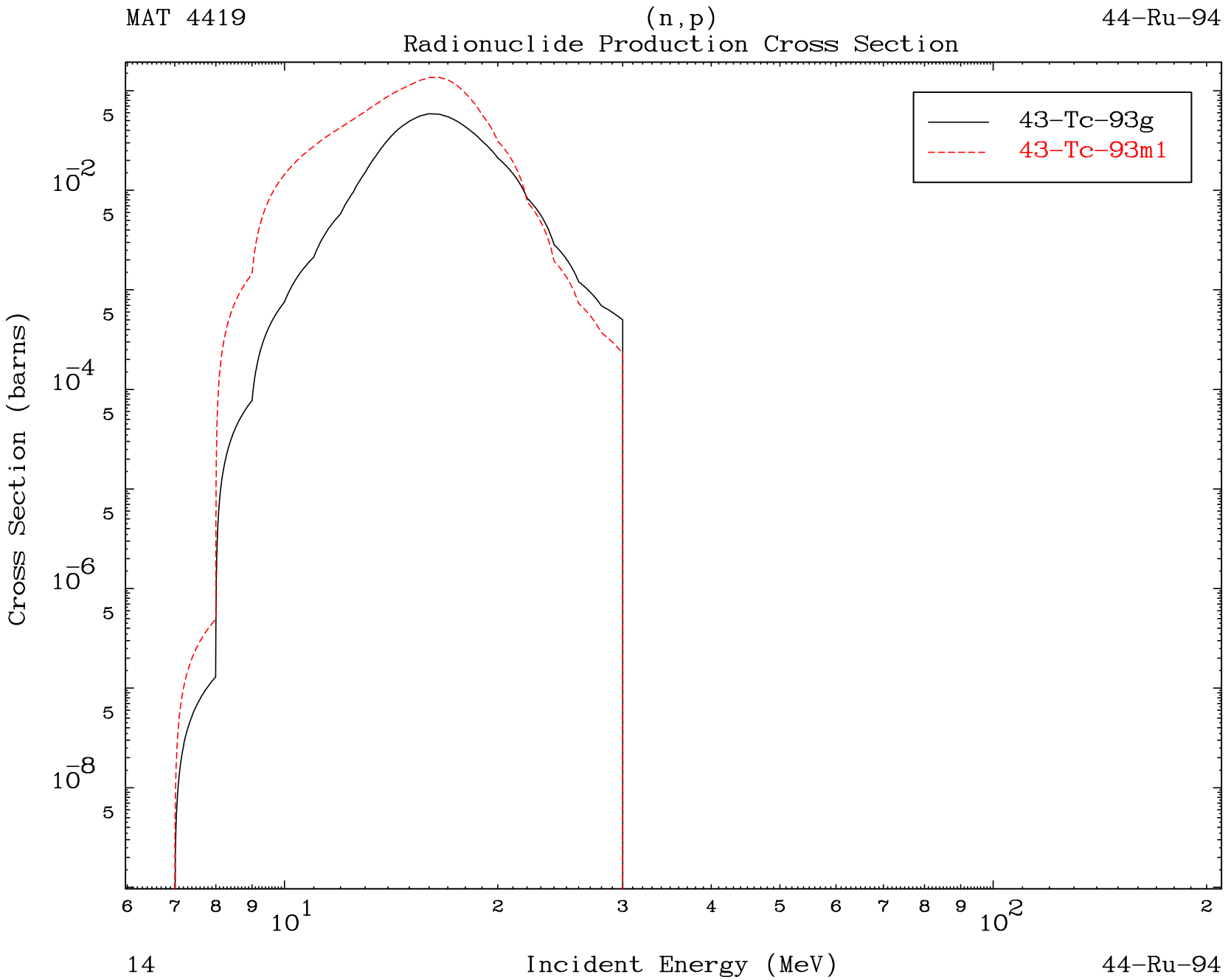

MAT 4419
(γ,He3) Levels
44-Ru-94
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
9
44-Ru-94

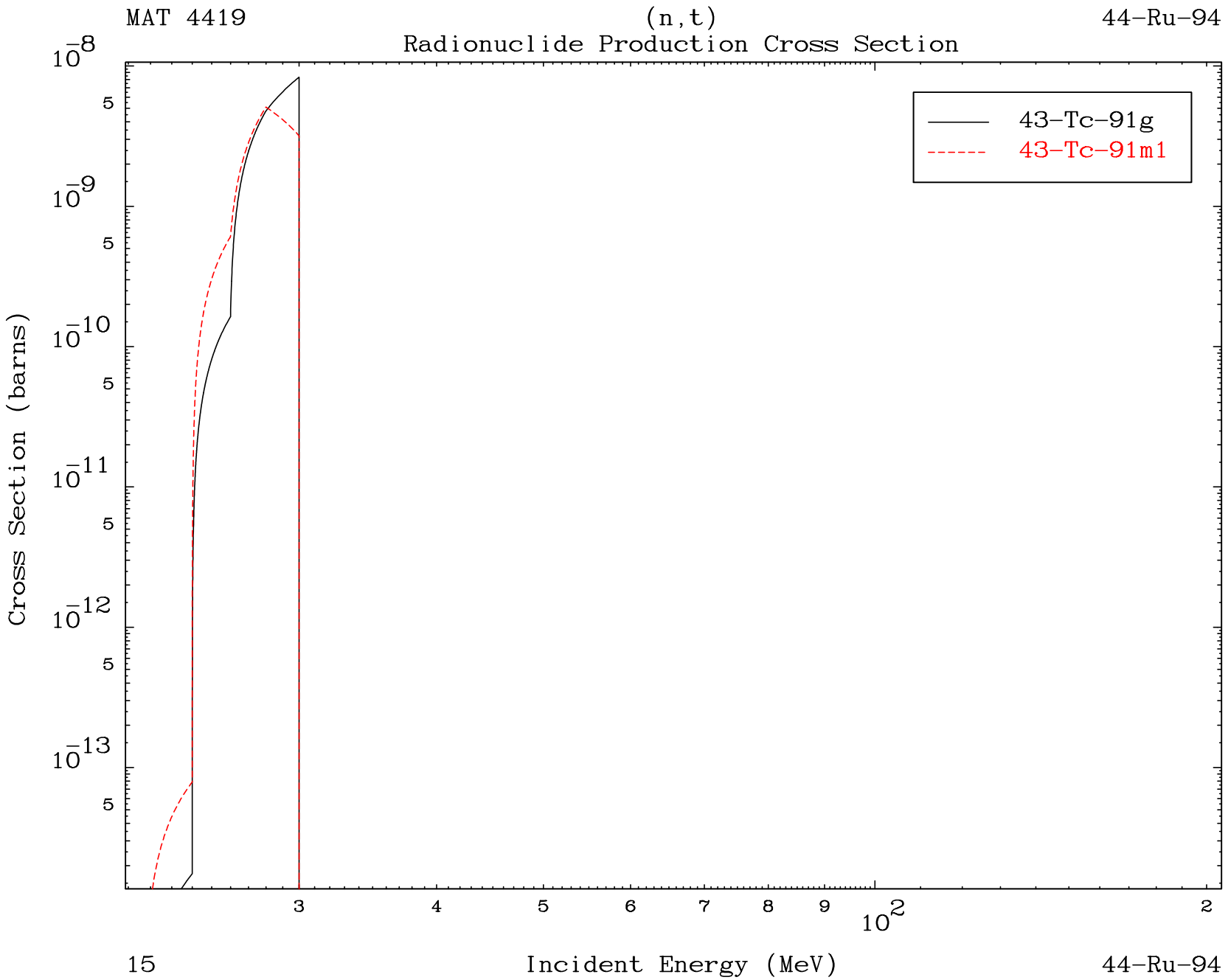

MAT 4419
(γ,α) Levels
44-Ru-94
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
10
Incident Energy (MeV)
44-Ru-94

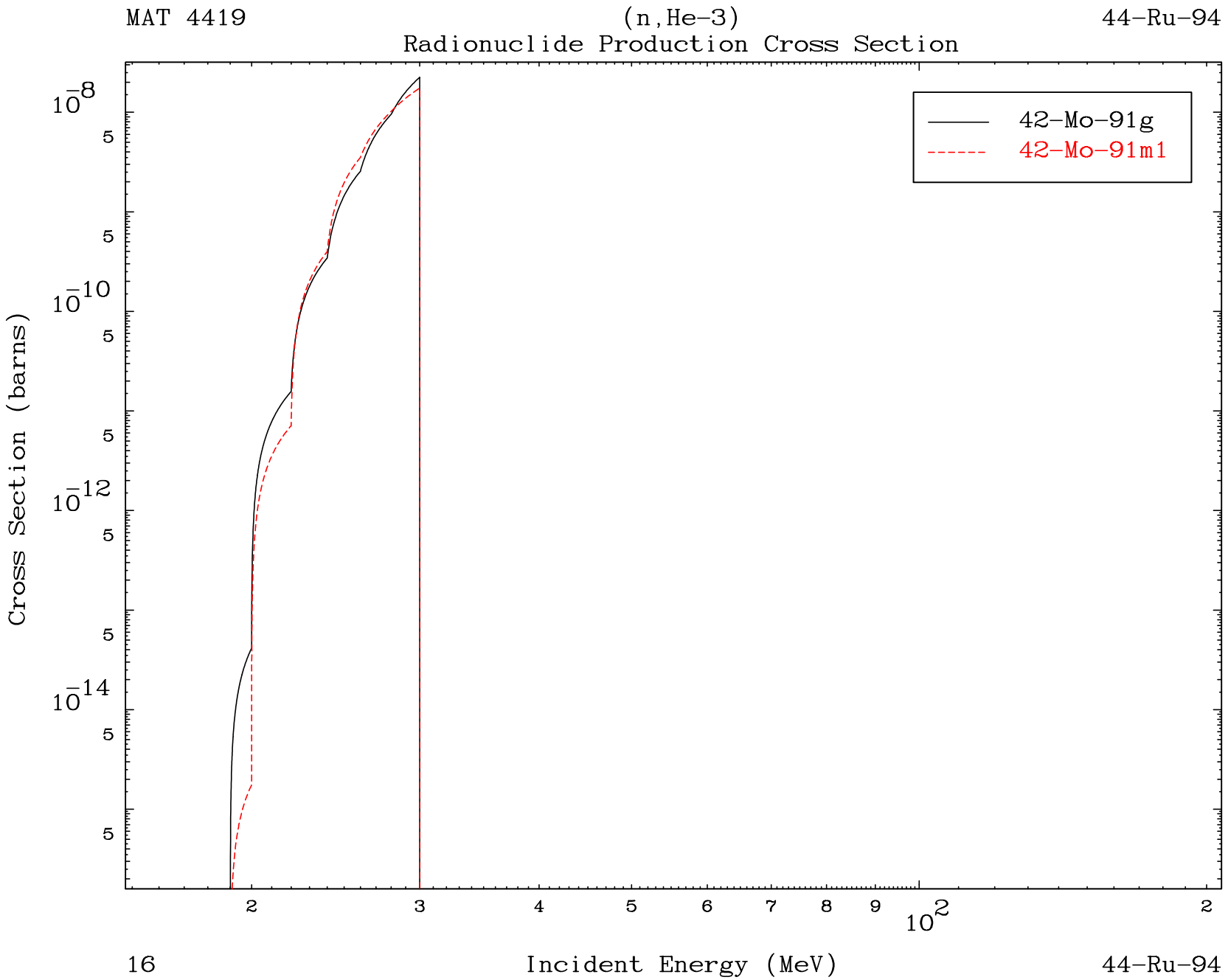

MAT 4419
Inelastic
44-Ru-94
Radionuclide Production Cross Section
44-Ru-93g
44-Ru-93m1
Cross Section (barns)
10-3
10-4
10-5
10-6
2
3
4
5
6
7
8
9
10+2
2
11
Incident Energy (MeV)
44-Ru-94

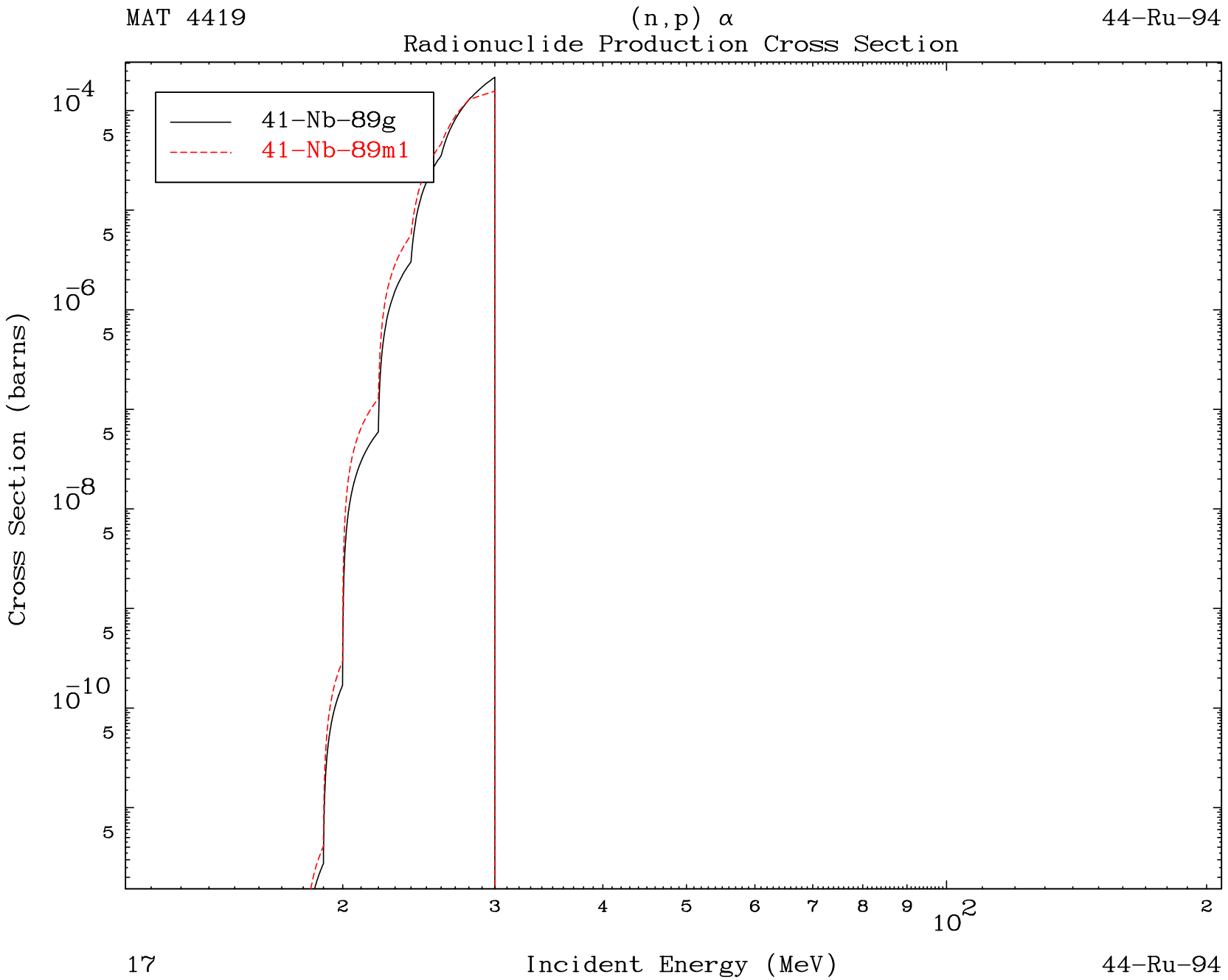

MAT 4419
(n,n') α
44-Ru-94
Radionuclide Production Cross Section
42-Mo-89g
42-Mo-89m2
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
12
Incident Energy (MeV)
44-Ru-94

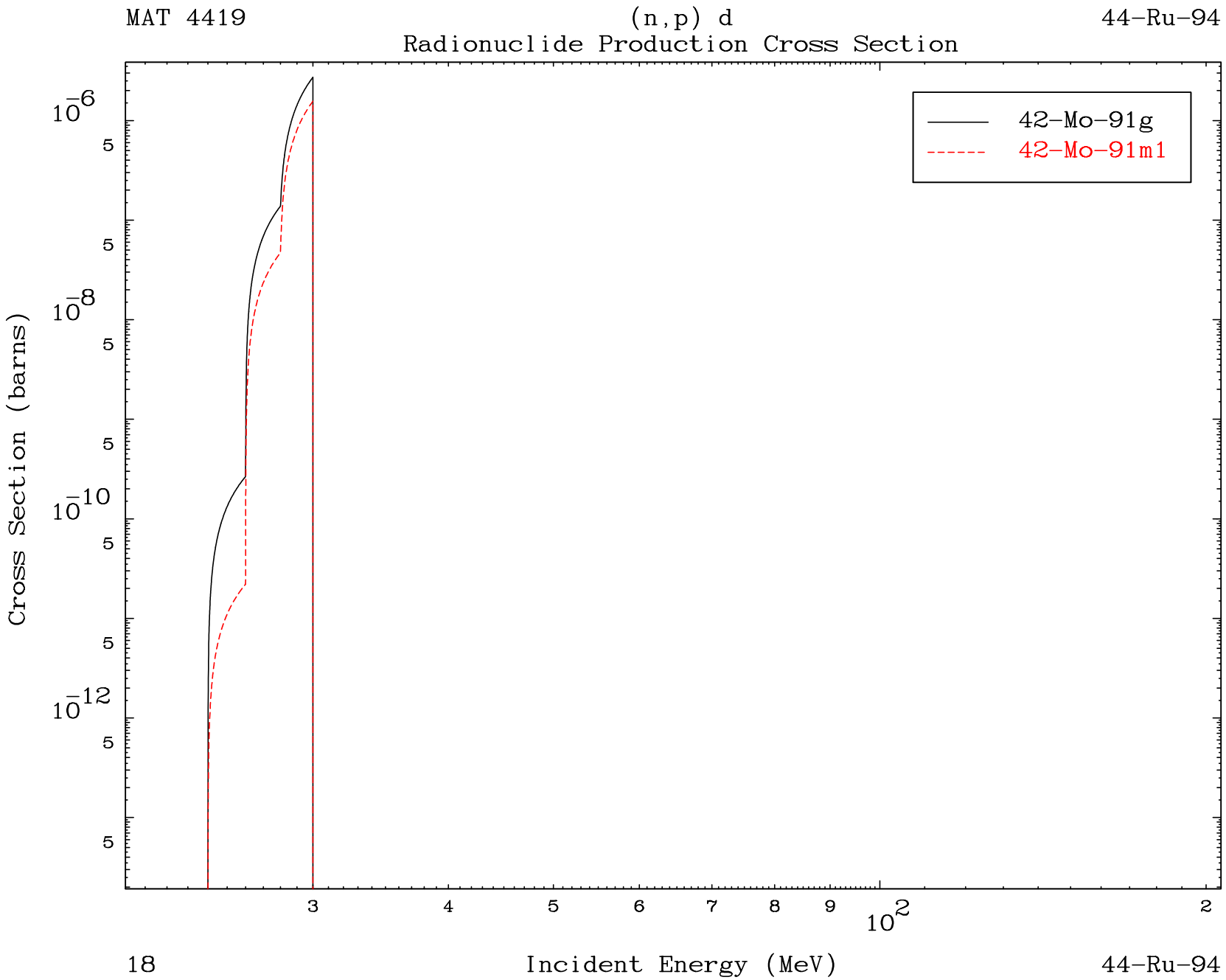

MAT 4419
(n,2n) p
44-Ru-94
Radionuclide Production Cross Section
42-Mo-91g
42-Mo-91m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
44-Ru-94


MAT 4419
(n,p)
44-Ru-94
Radionuclide Production Cross Section
43-Tc-93g
43-Tc-93m1
Cross Section (barns)
Incident Energy (MeV)
14
44-Ru-94


MAT 4419
(n,t)
44-Ru-94
Radionuclide Production Cross Section
43-Tc-91g
43-Tc-91m1
Cross Section (barns)
Incident Energy (MeV)
15
44-Ru-94


MAT 4419
(n,He-3)
44-Ru-94
Radionuclide Production Cross Section
42-Mo-91g
42-Mo-91m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
44-Ru-94


MAT 4419
(n,p) α
44-Ru-94
Radionuclide Production Cross Section
41-Nb-89g
41-Nb-89m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^2
17
44-Ru-94


MAT 4419
(n,p) d
44-Ru-94
Radionuclide Production Cross Section
42-Mo-91g
42-Mo-91m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
44-Ru-94