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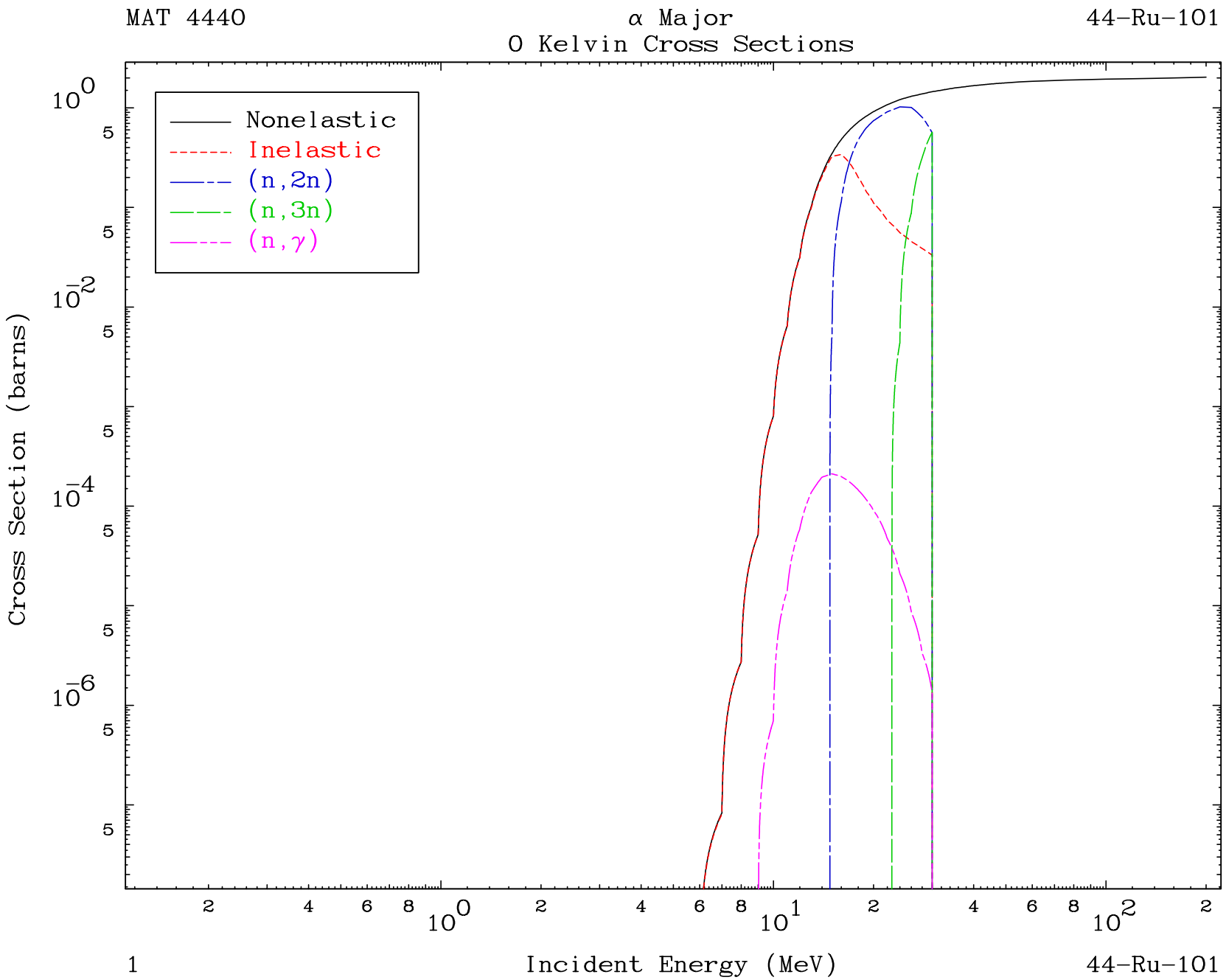
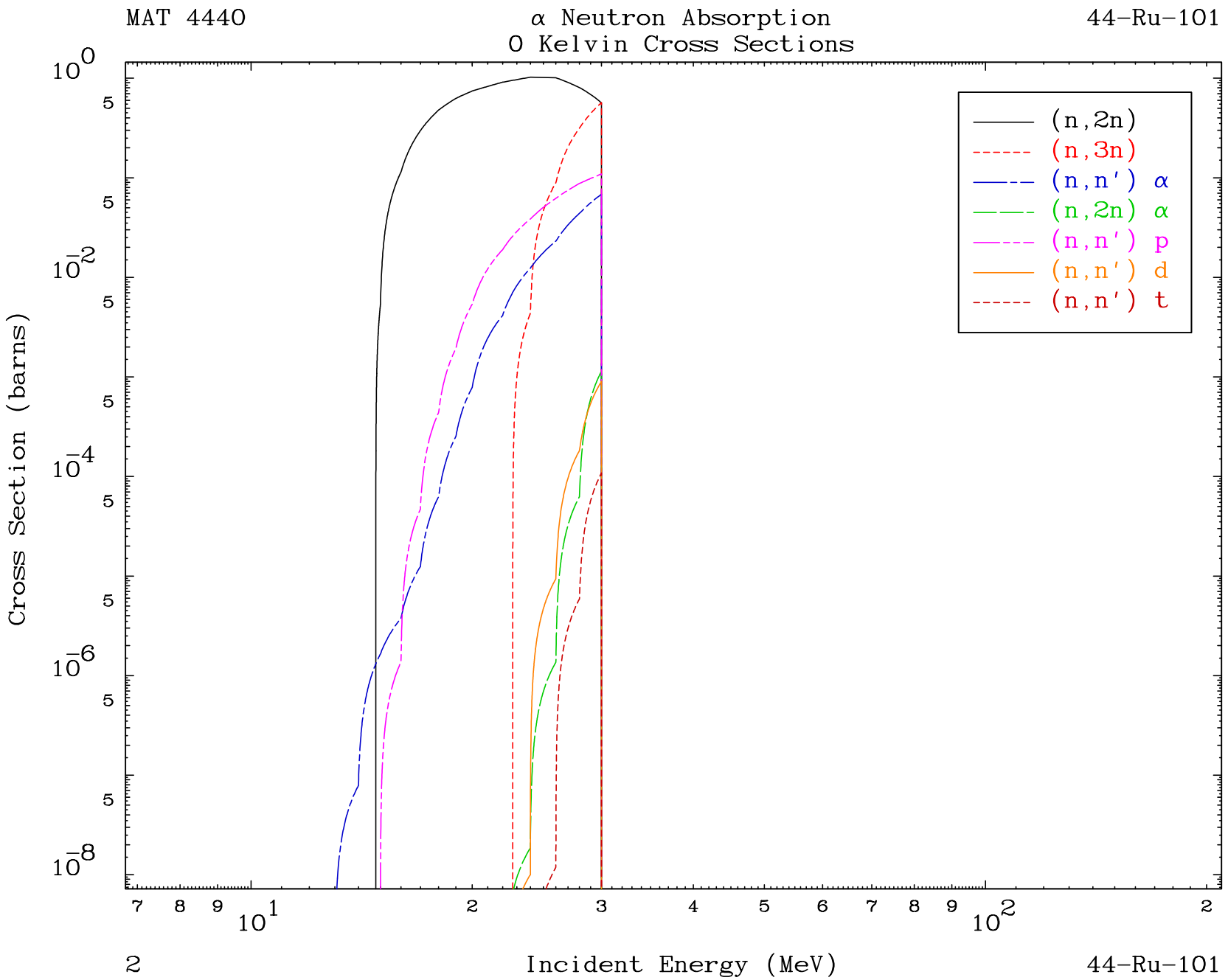
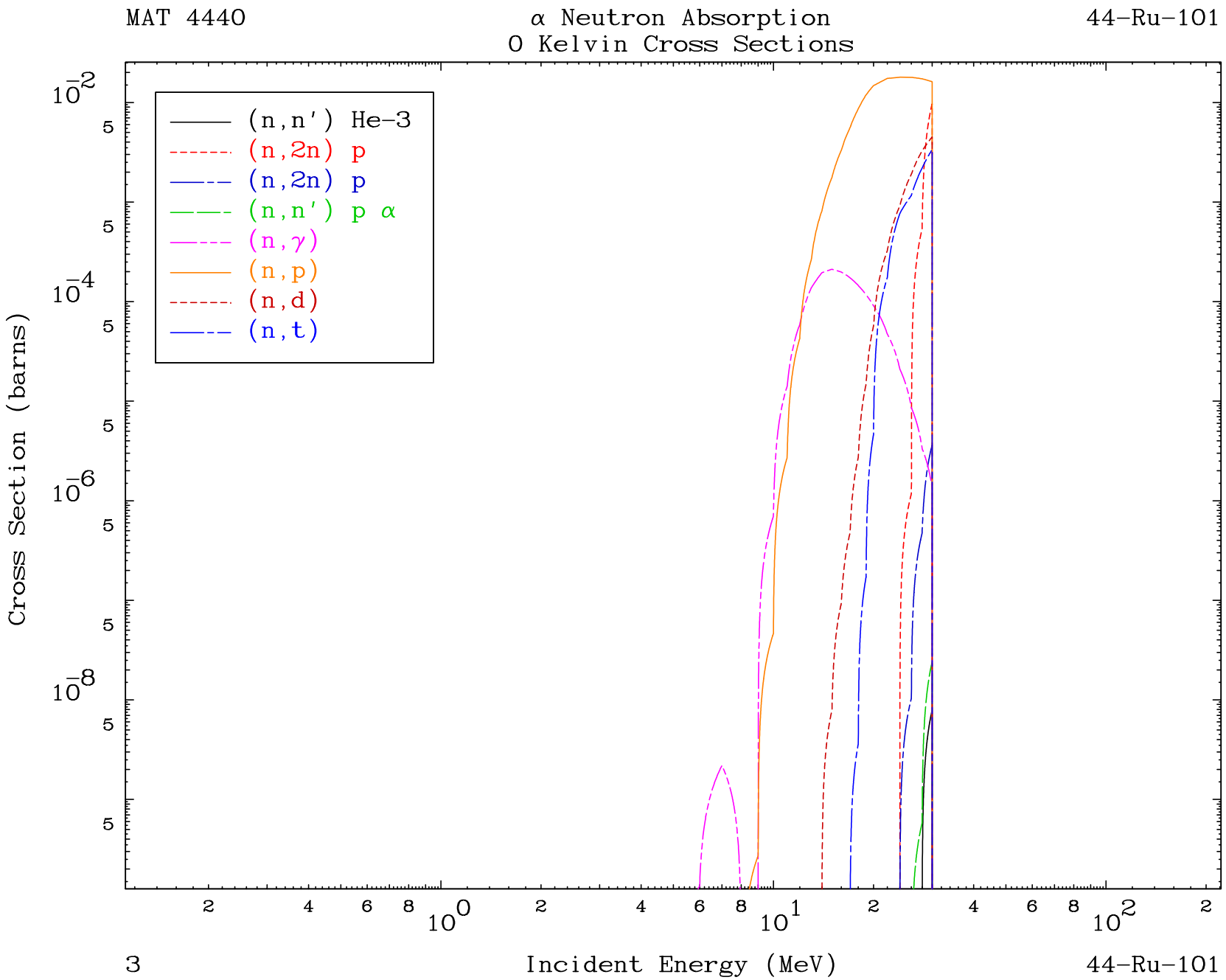
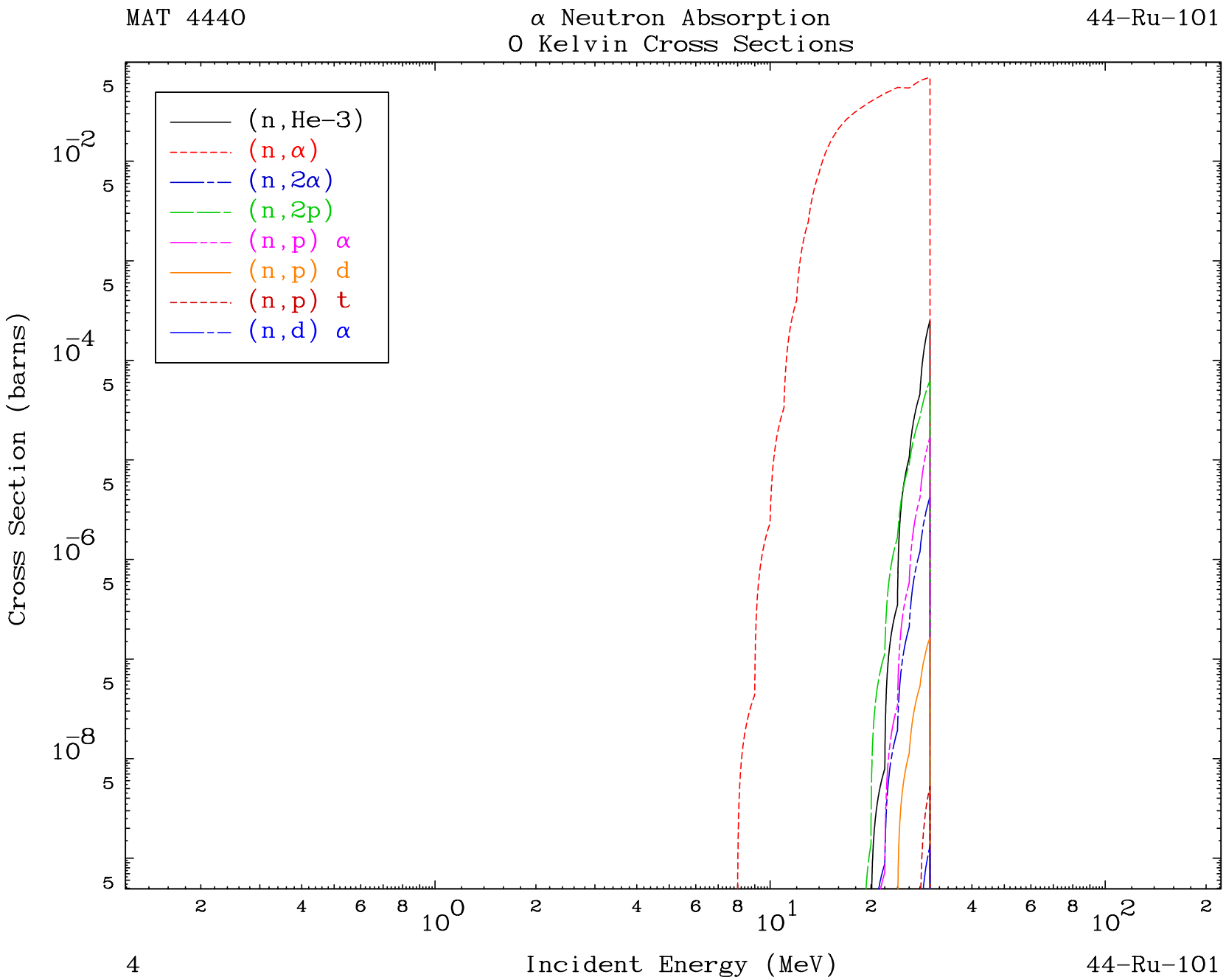
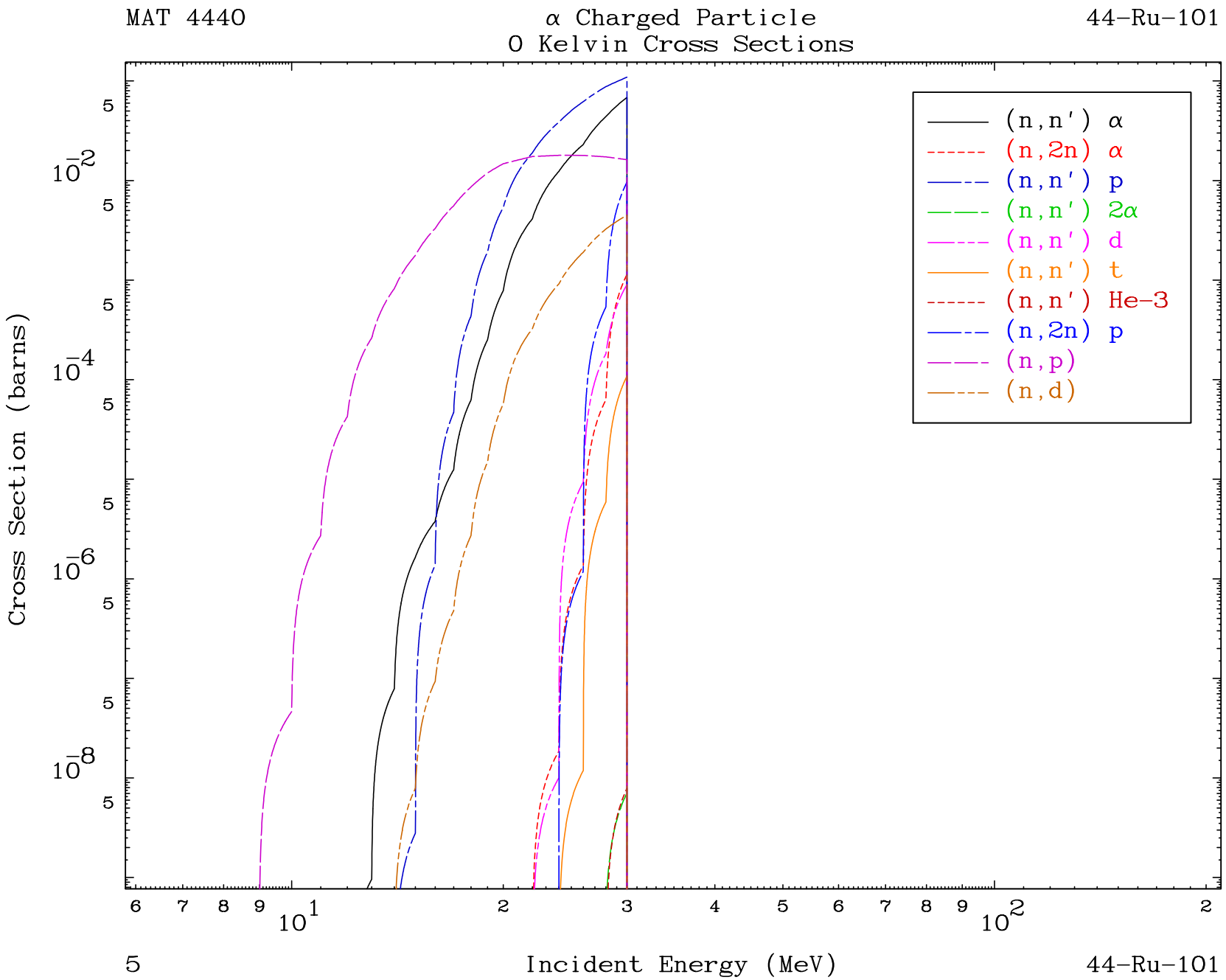
Press Mouse Button to Start

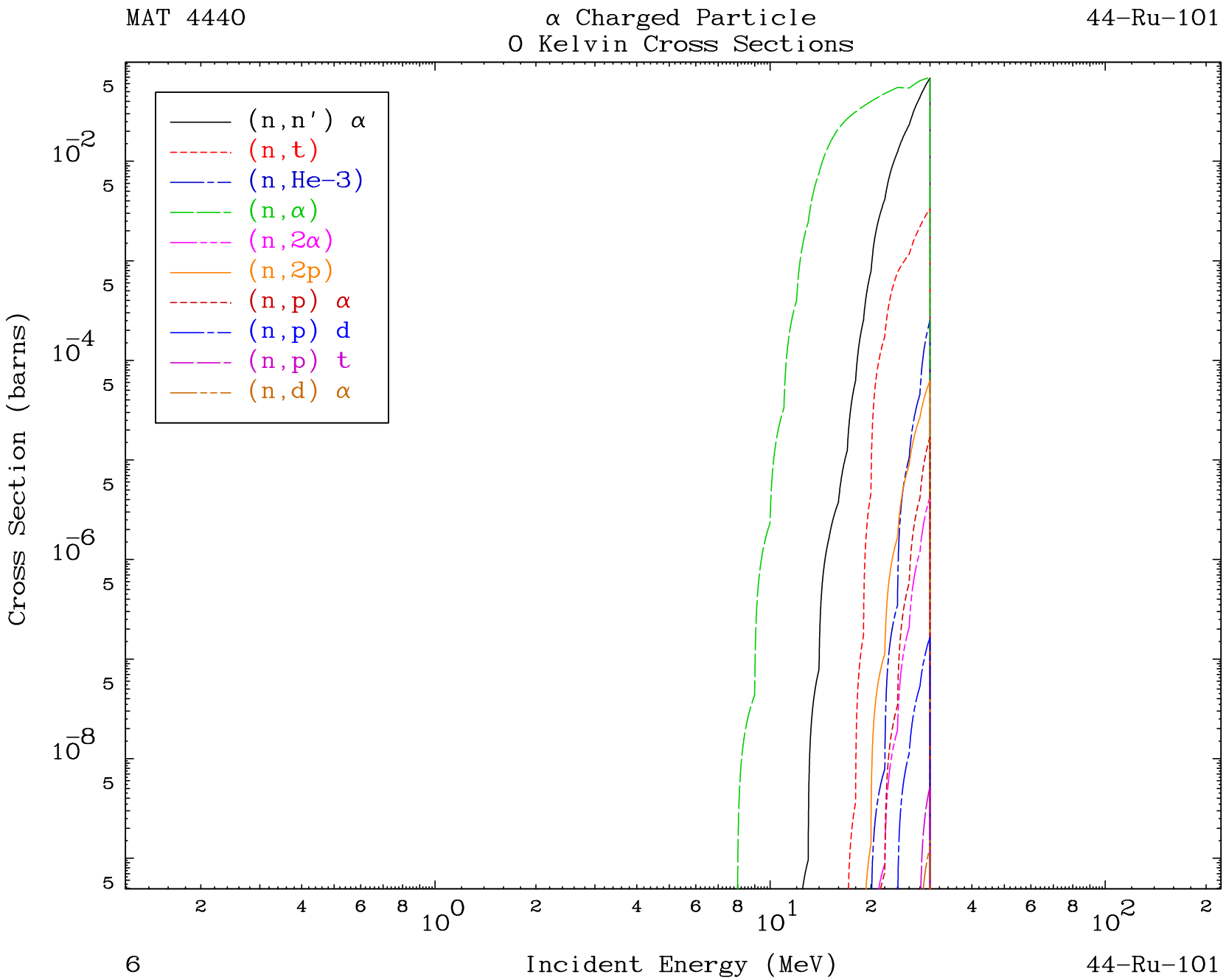

MAT 4440
α Major
44-Ru-101
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
44-Ru-101
1

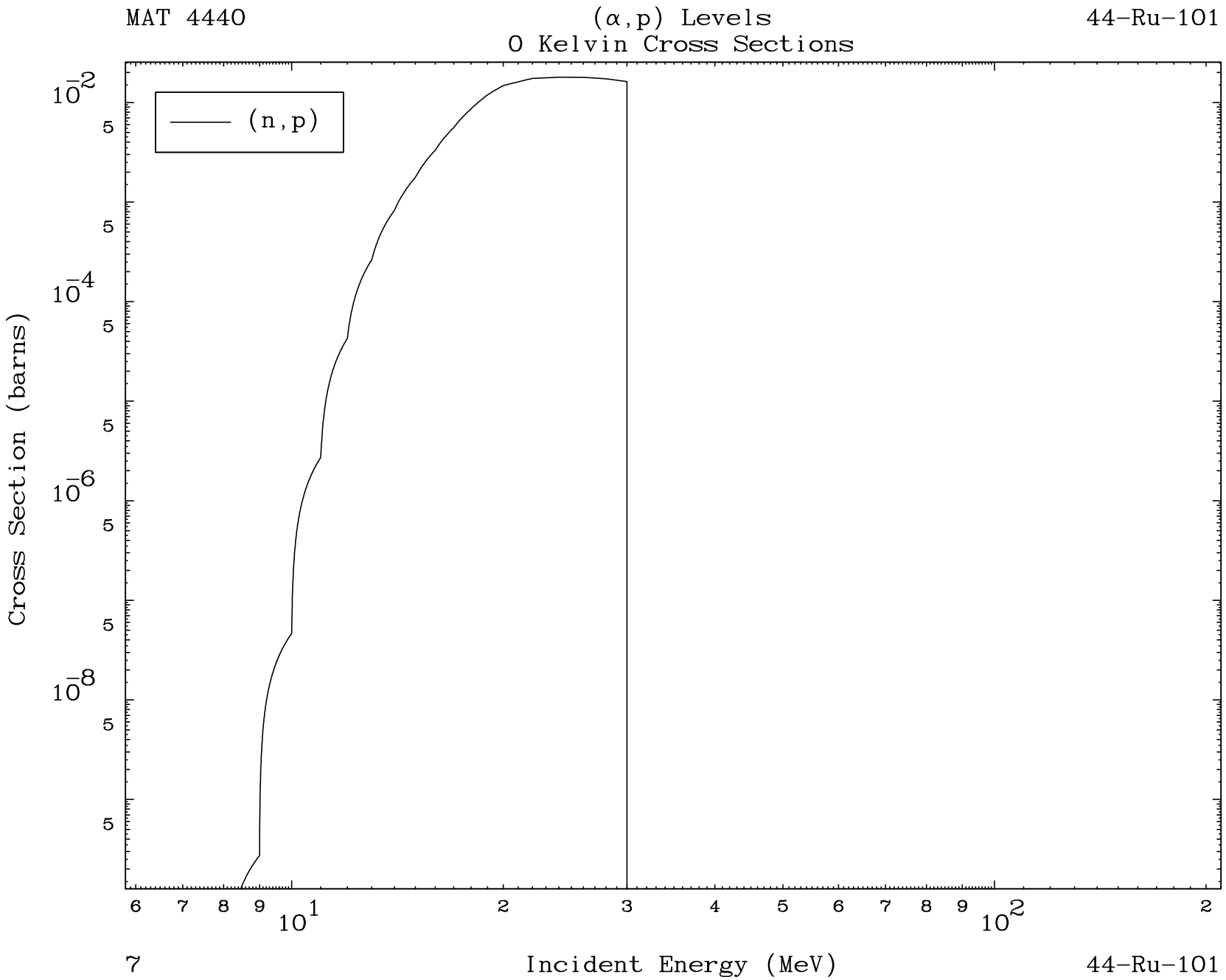

MAT 4440
α Neutron Absorption
0 Kelvin Cross Sections
44-Ru-101
Cross Section (barns)
Incident Energy (MeV)
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
44-Ru-101

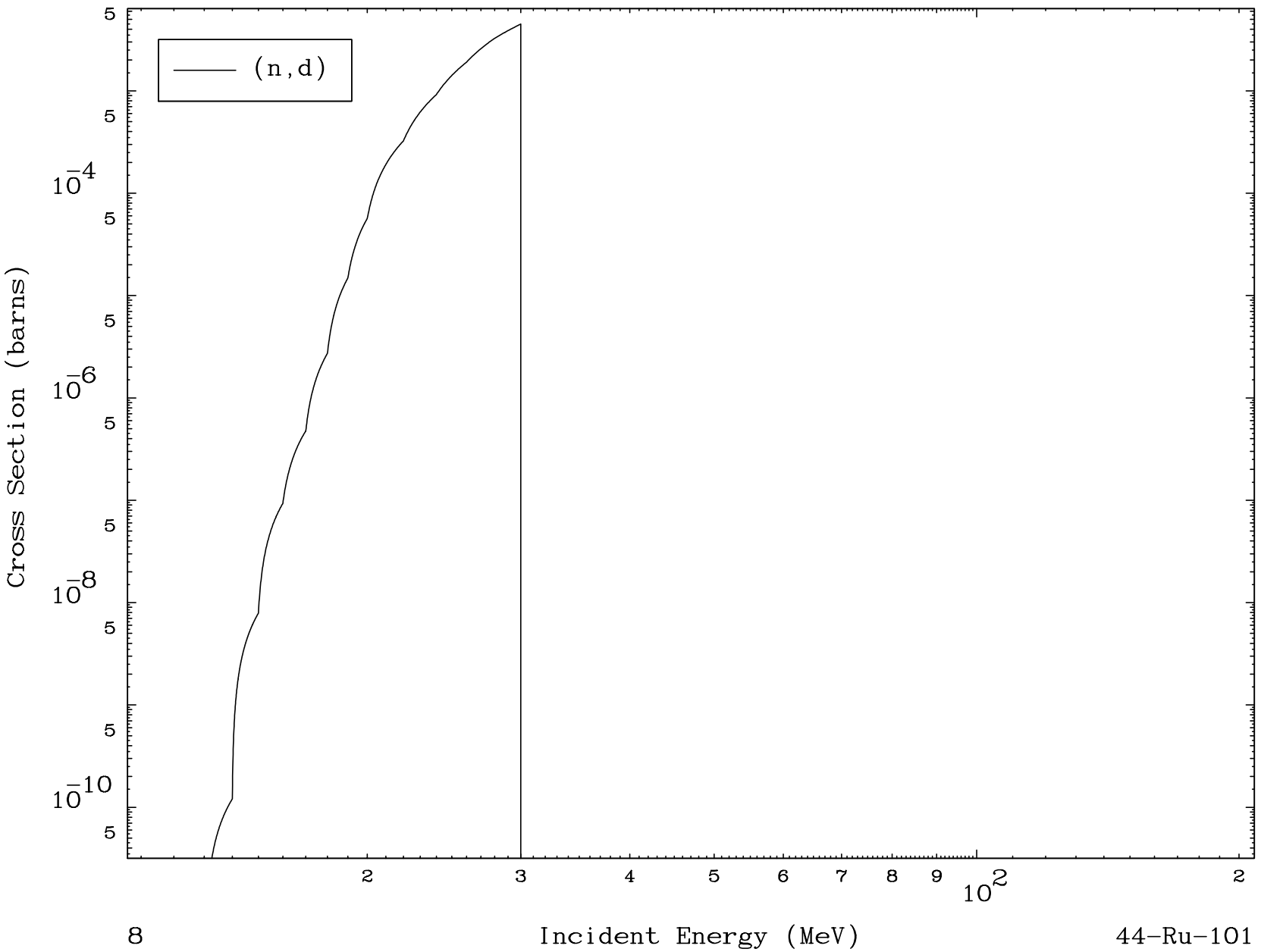

MAT 4440
α Neutron Absorption
0 Kelvin Cross Sections
44-Ru-101
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
44-Ru-101

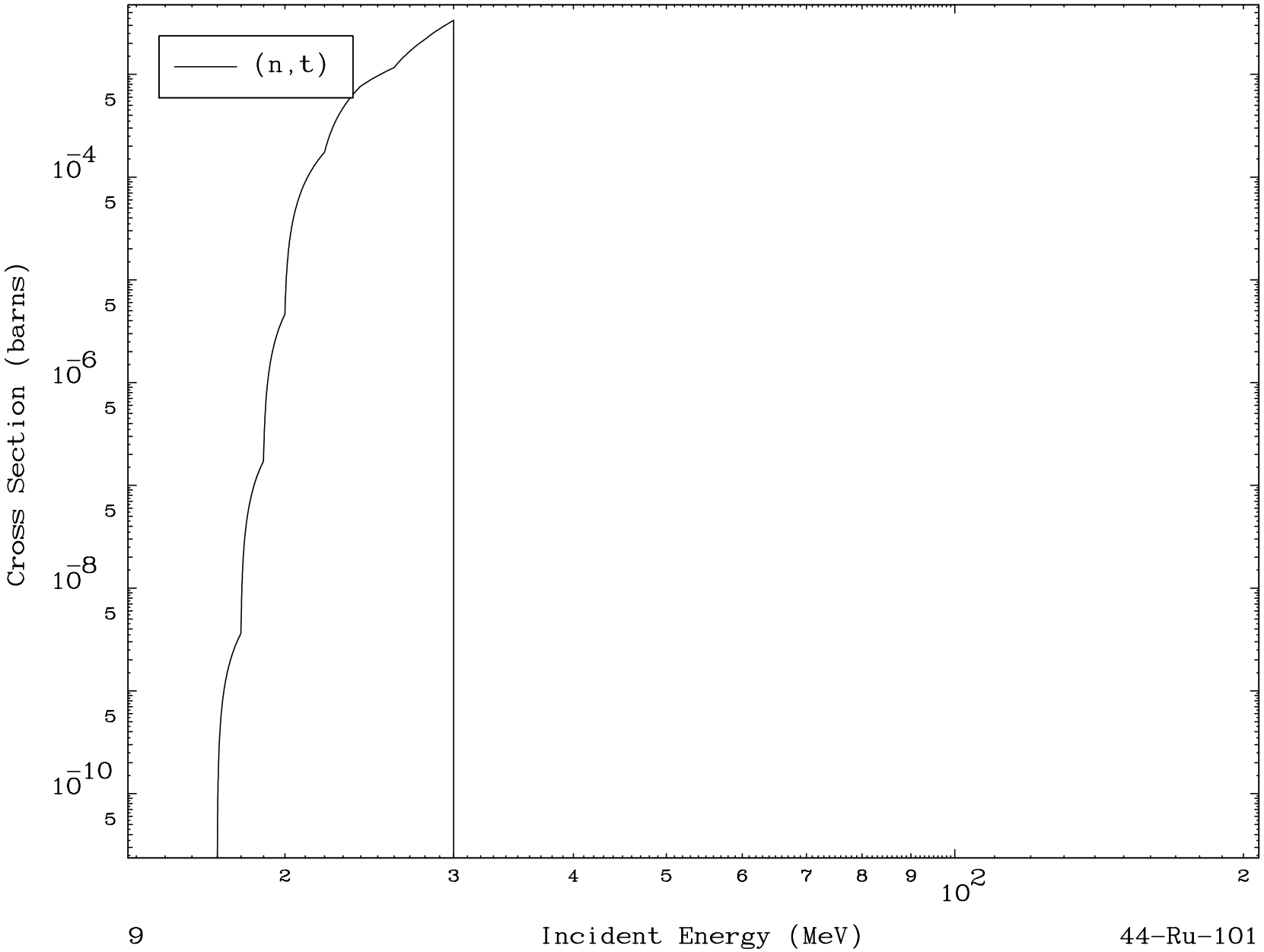

MAT 4440
α Neutron Absorption
0 Kelvin Cross Sections
44-Ru-101
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
44-Ru-101

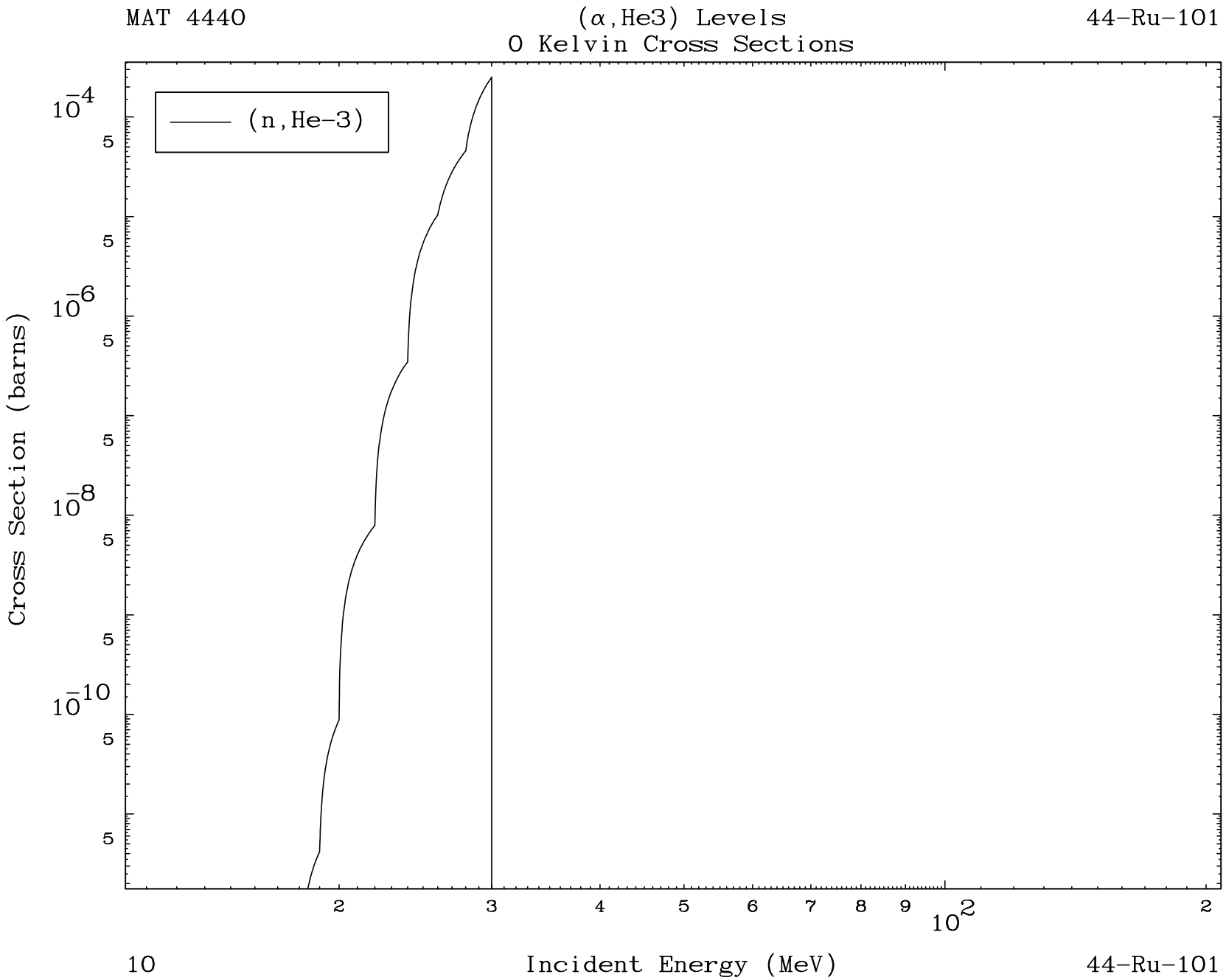

MAT 4440
α Charged Particle
0 Kelvin Cross Sections
44-Ru-101
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)

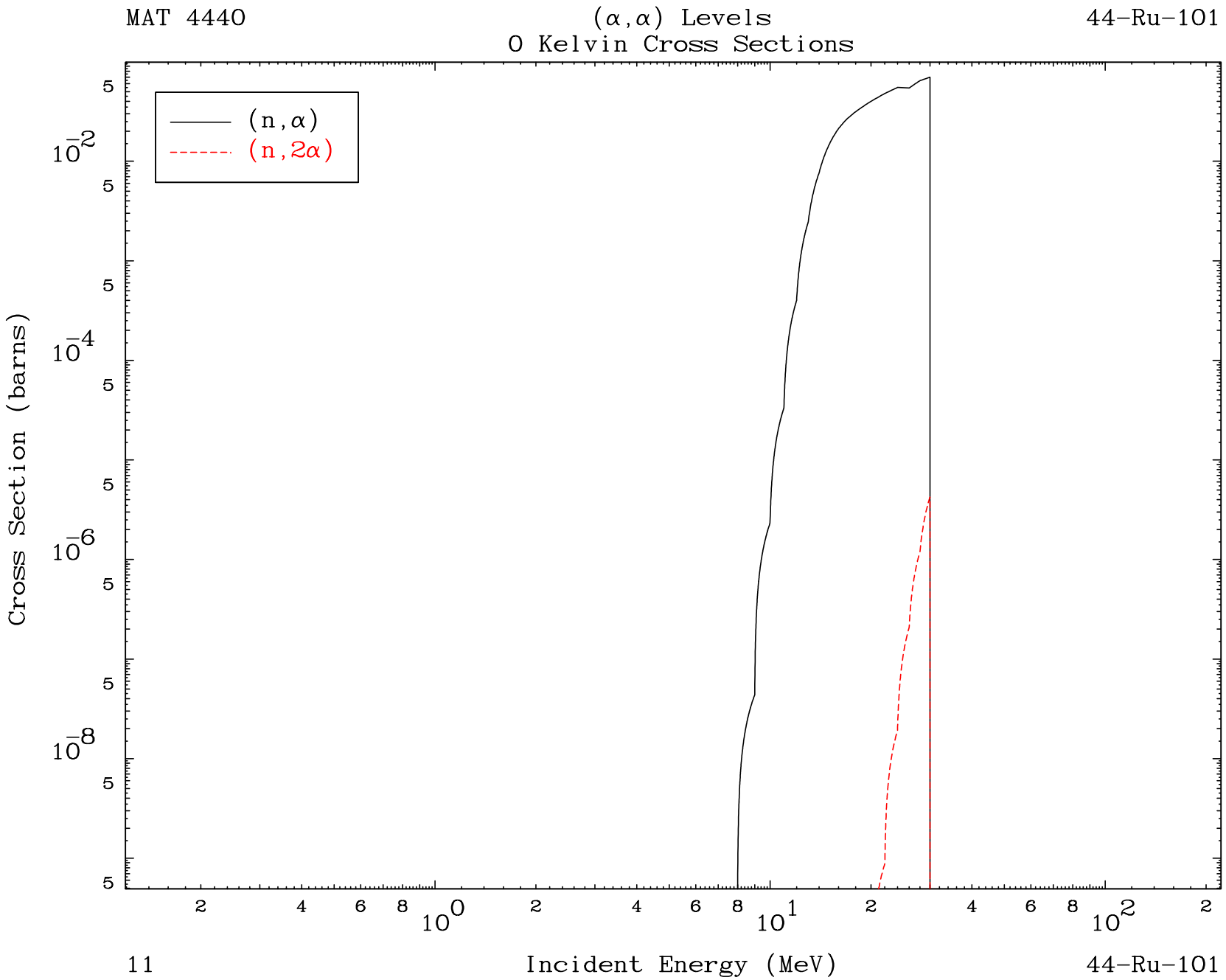

MAT 4440
α Charged Particle
0 Kelvin Cross Sections
44-Ru-101
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
44-Ru-101

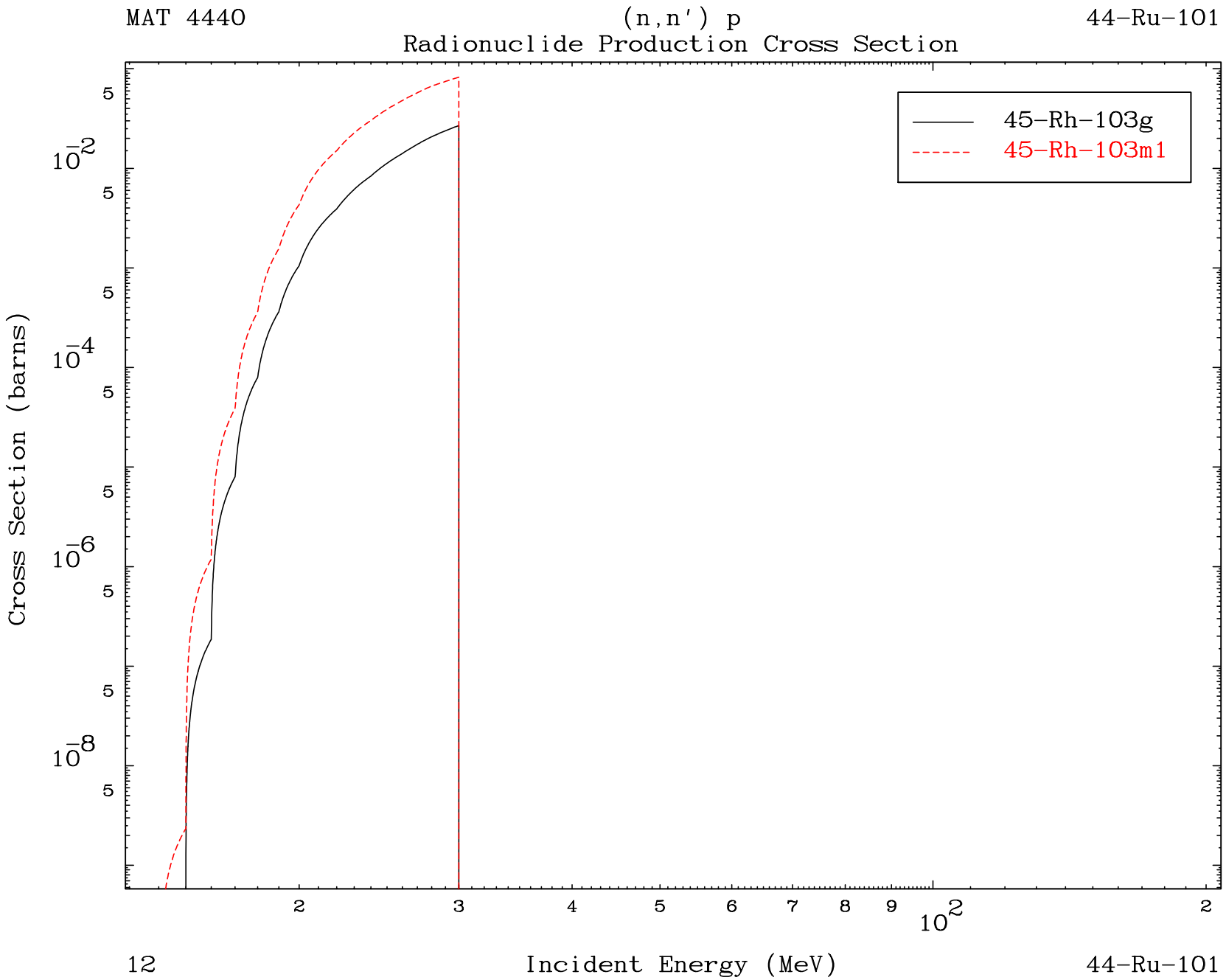

MAT 4440
(α,p) Levels
44-Ru-101
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
7
44-Ru-101

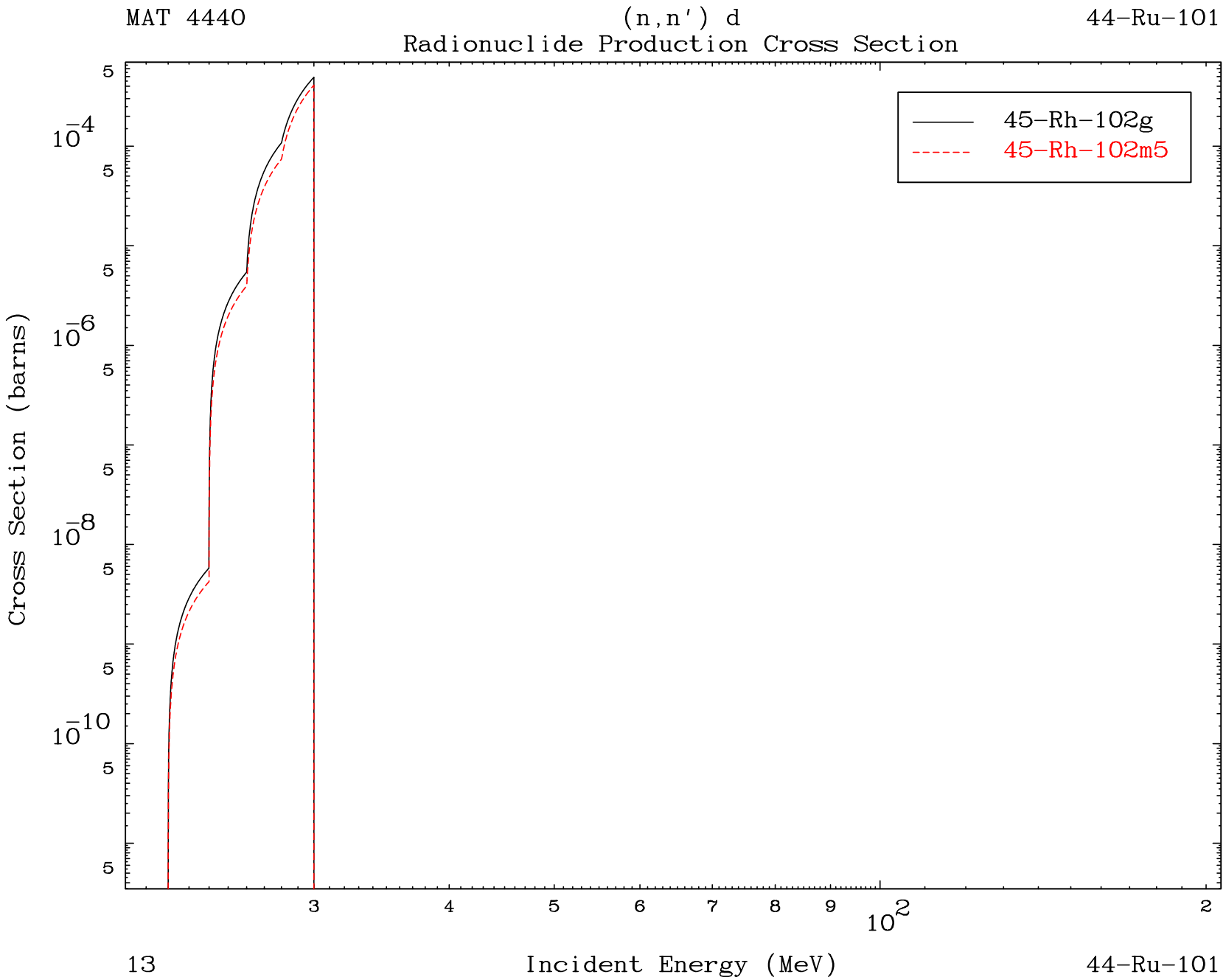

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)

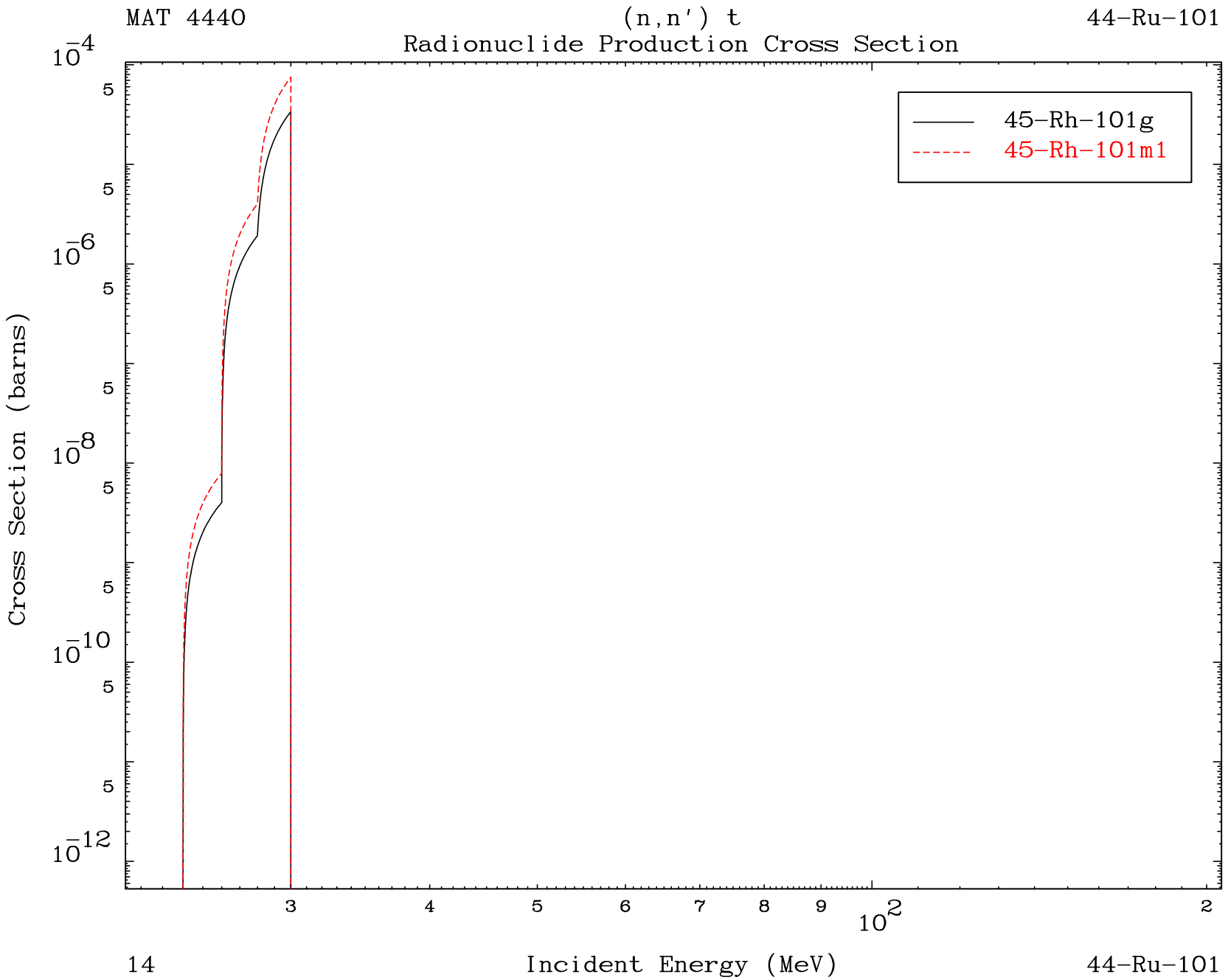

0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)

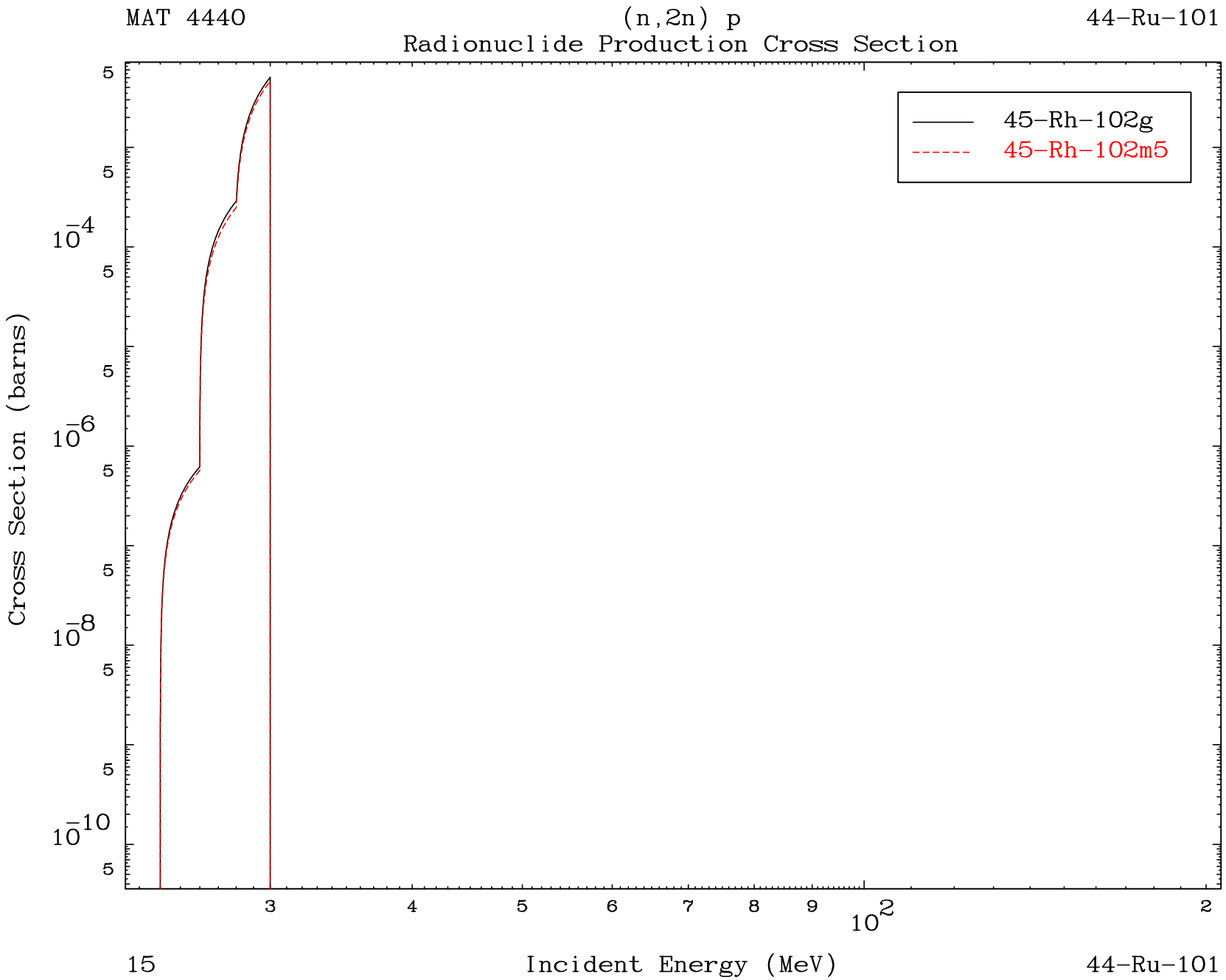

MAT 4440
(α,He3) Levels
44-Ru-101
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10
10^2
44-Ru-101

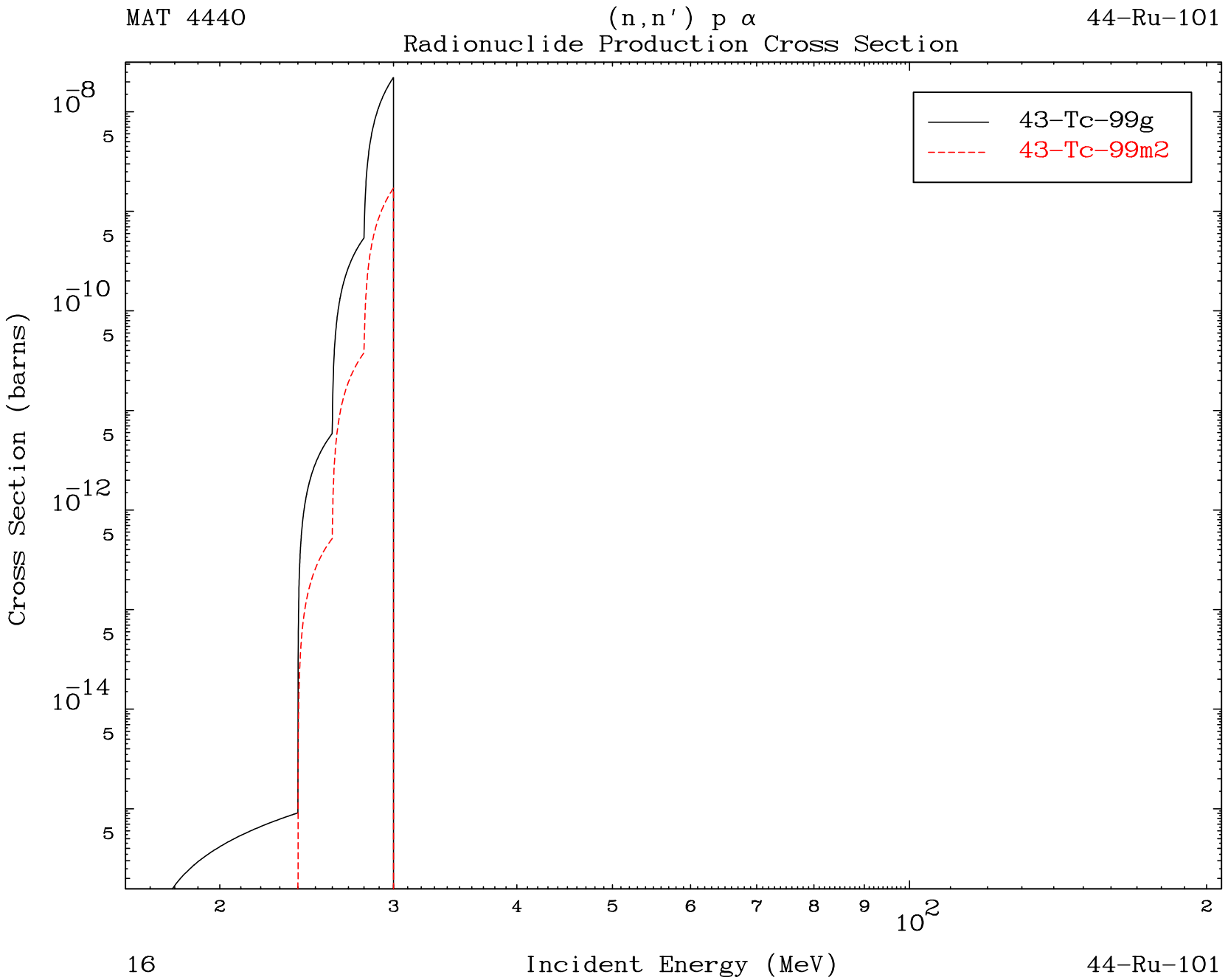

MAT 4440
(α,α) Levels
44-Ru-101
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
44-Ru-101

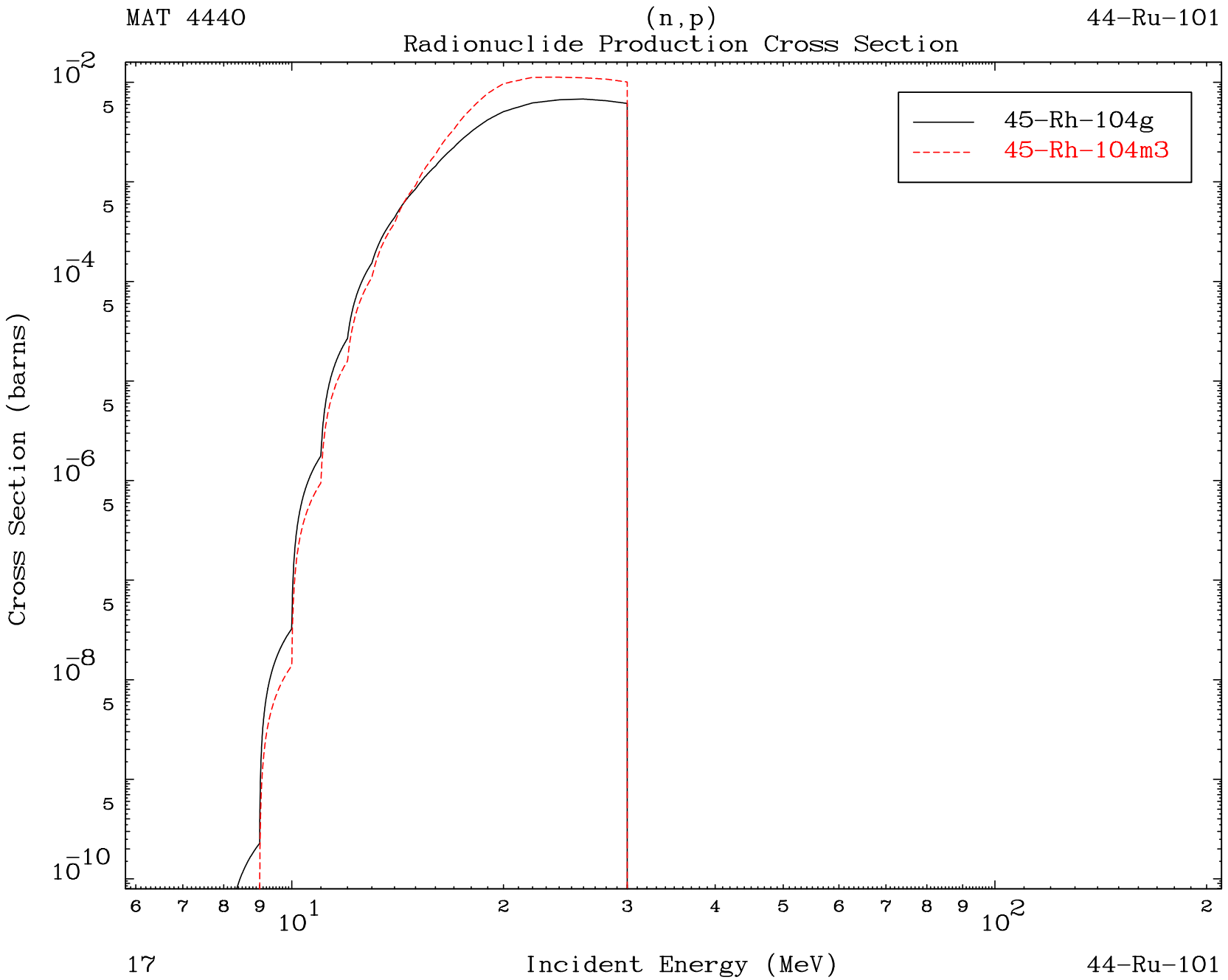

MAT 4440
(n,n') p
44-Ru-101
Radionuclide Production Cross Section
45-Rh-103g
45-Rh-103m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10^2
2
12
Incident Energy (MeV)
44-Ru-101

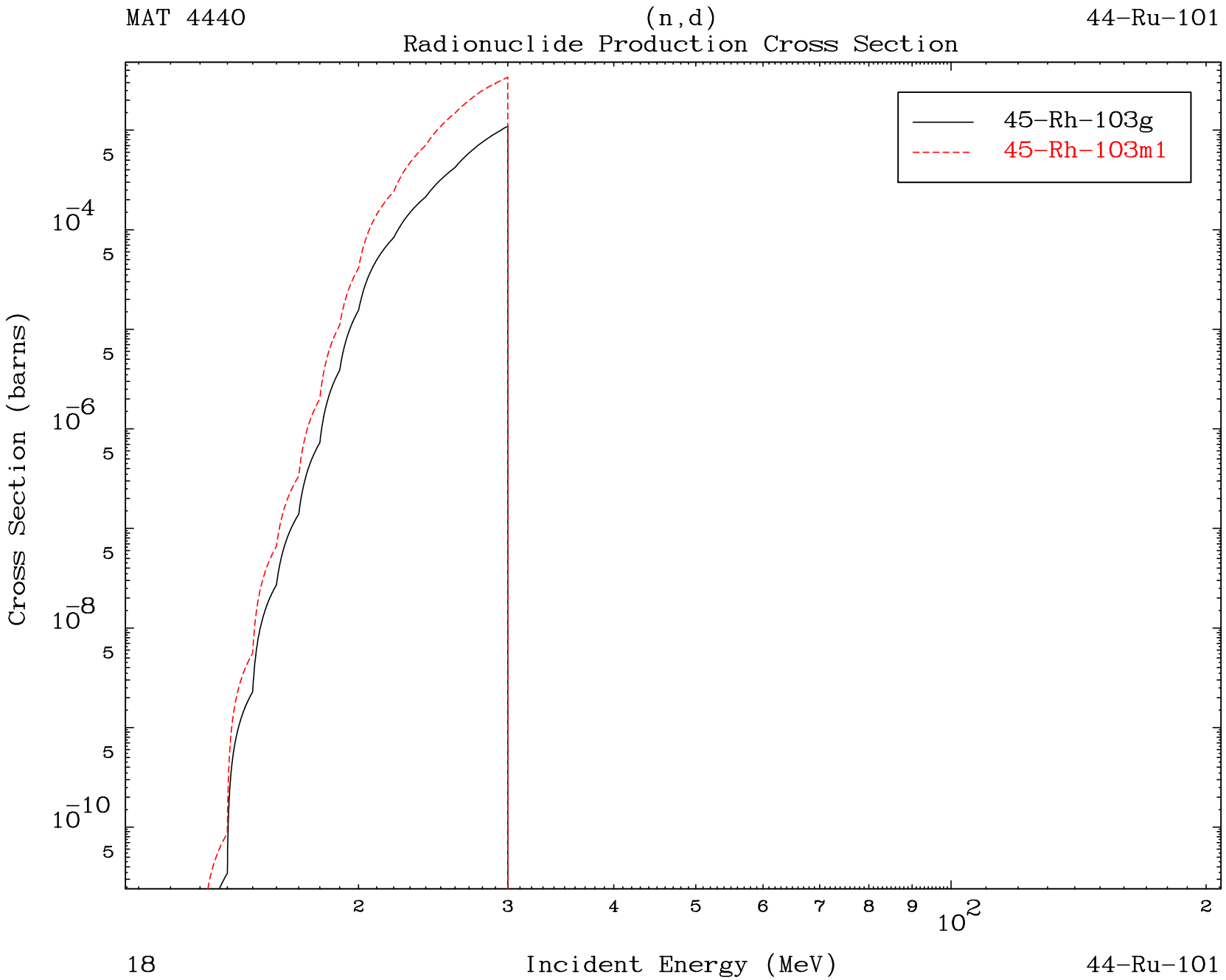

MAT 4440
(n,n') d
44-Ru-101
Radionuclide Production Cross Section
45-Rh-102g
45-Rh-102m5
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
44-Ru-101

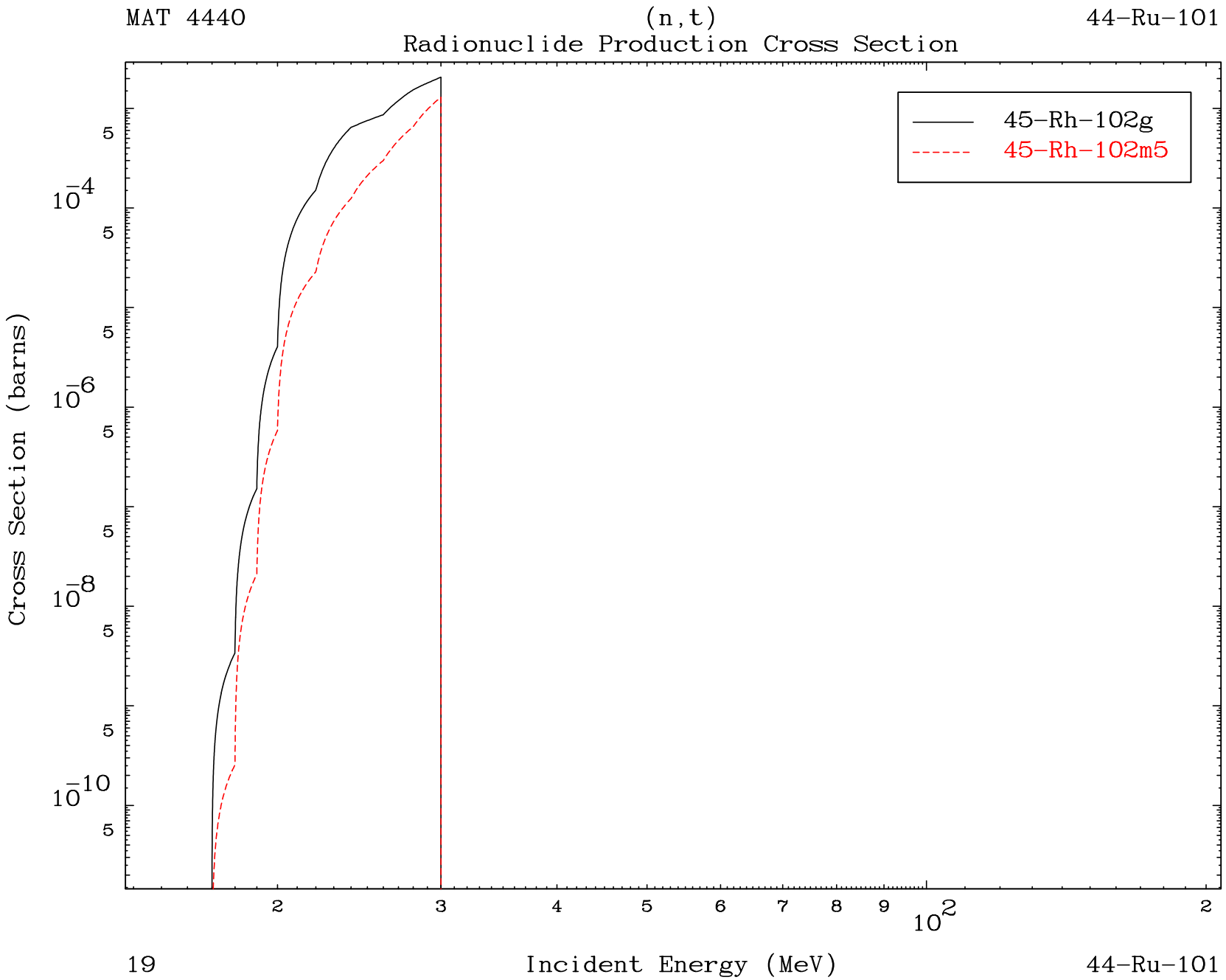

MAT 4440
(n,n') t
44-Ru-101
Radionuclide Production Cross Section
45-Rh-101g
45-Rh-101m1
Cross Section (barns)
Incident Energy (MeV)
14
44-Ru-101

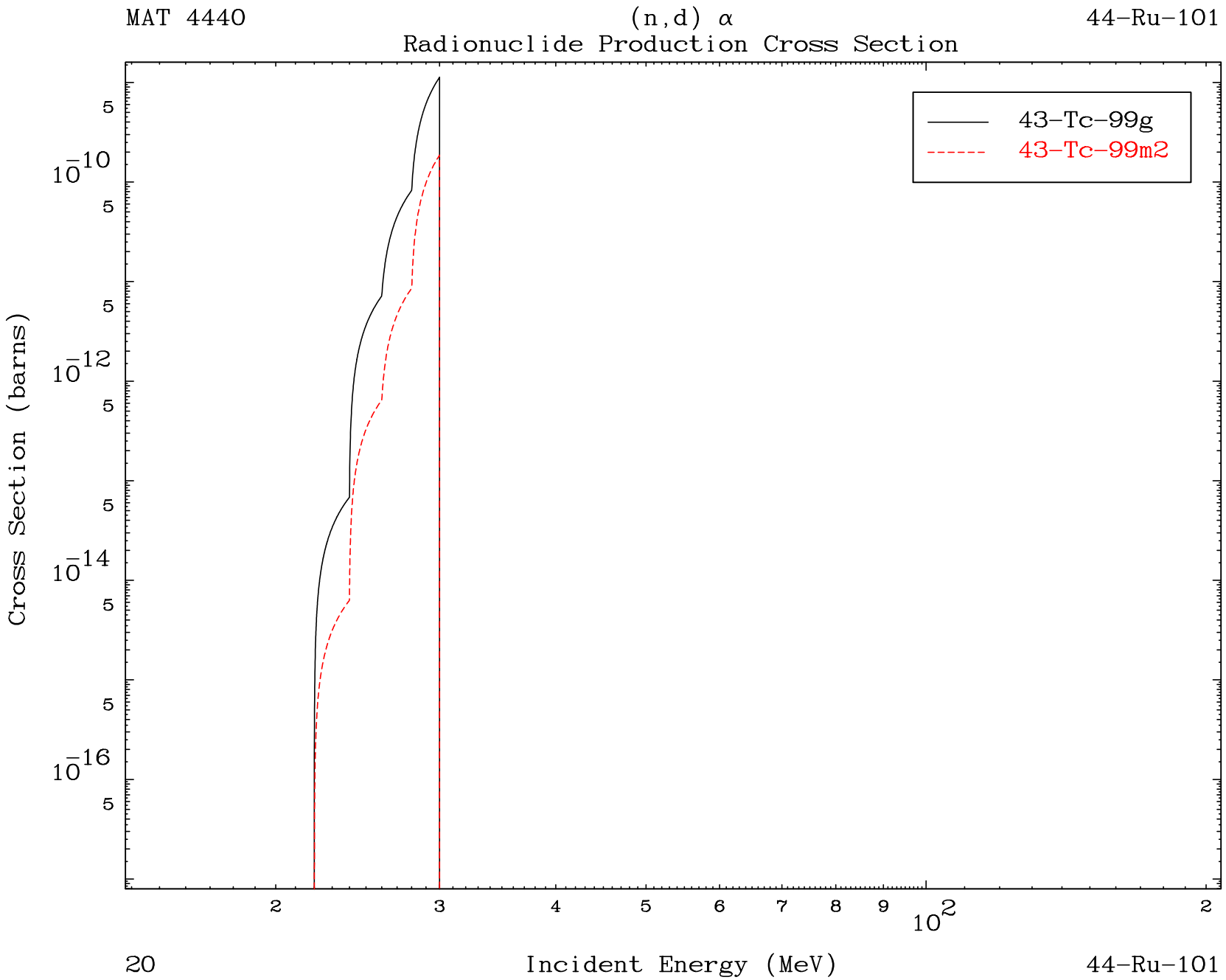

MAT 4440
(n,2n) p
44-Ru-101
Radionuclide Production Cross Section
45-Rh-102g
45-Rh-102m5
Cross Section (barns)
Incident Energy (MeV)
15
44-Ru-101


MAT 4440
(n,n') p α
44-Ru-101
Radionuclide Production Cross Section
43-Tc-99g
43-Tc-99m2
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-101


MAT 4440
(n,p)
44-Ru-101
Radionuclide Production Cross Section
45-Rh-104g
45-Rh-104m3
Cross Section (barns)
Incident Energy (MeV)
17
44-Ru-101


MAT 4440
(n,d)
44-Ru-101
Radionuclide Production Cross Section
45-Rh-103g
45-Rh-103m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
44-Ru-101


MAT 4440
(n,t)
44-Ru-101
Radionuclide Production Cross Section
45-Rh-102g
45-Rh-102m5
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
44-Ru-101


MAT 4440
(n,d) α
44-Ru-101
Radionuclide Production Cross Section
43-Tc-99g
43-Tc-99m2
Cross Section (barns)
10-10
10-12
10-14
10-16
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
44-Ru-101