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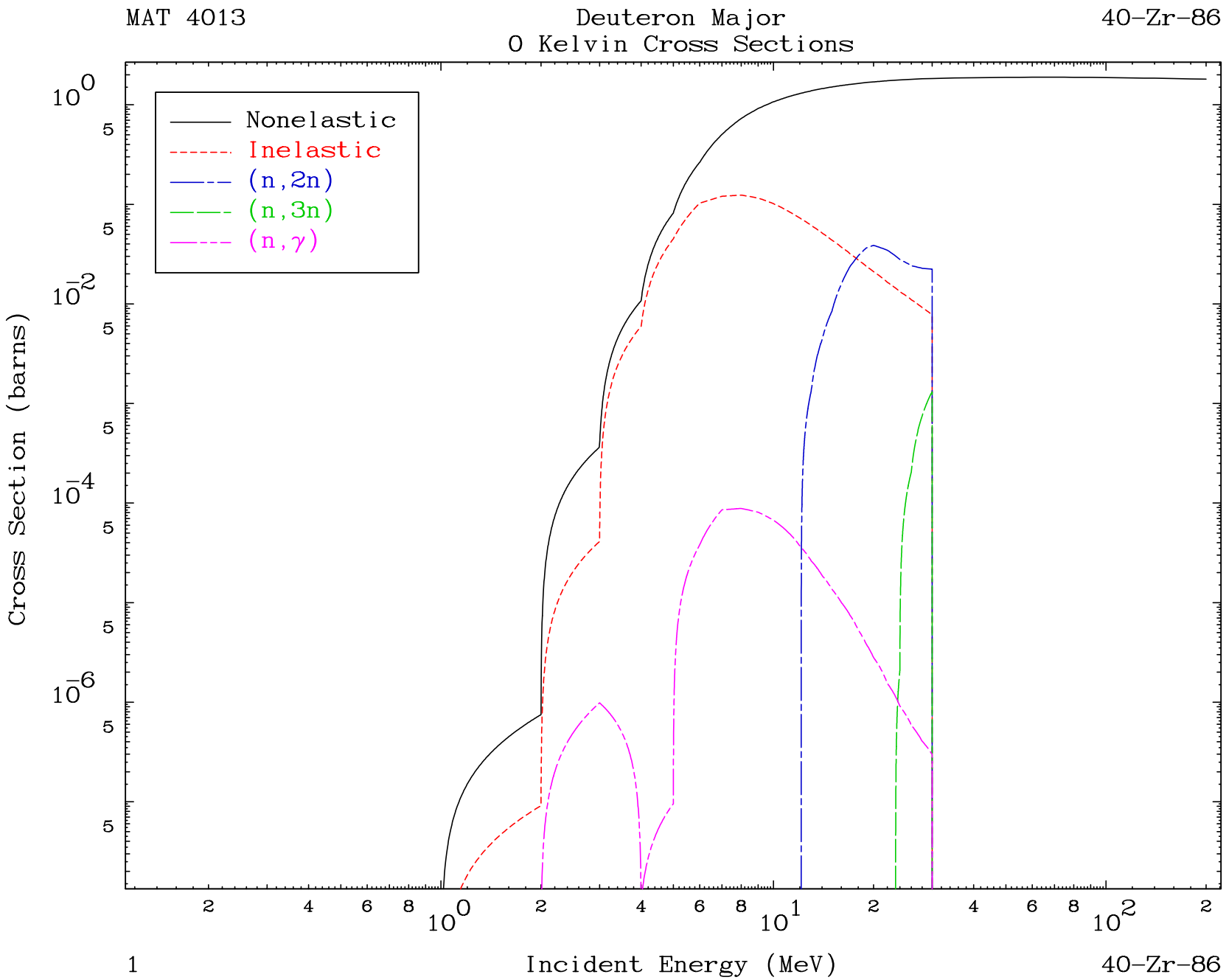
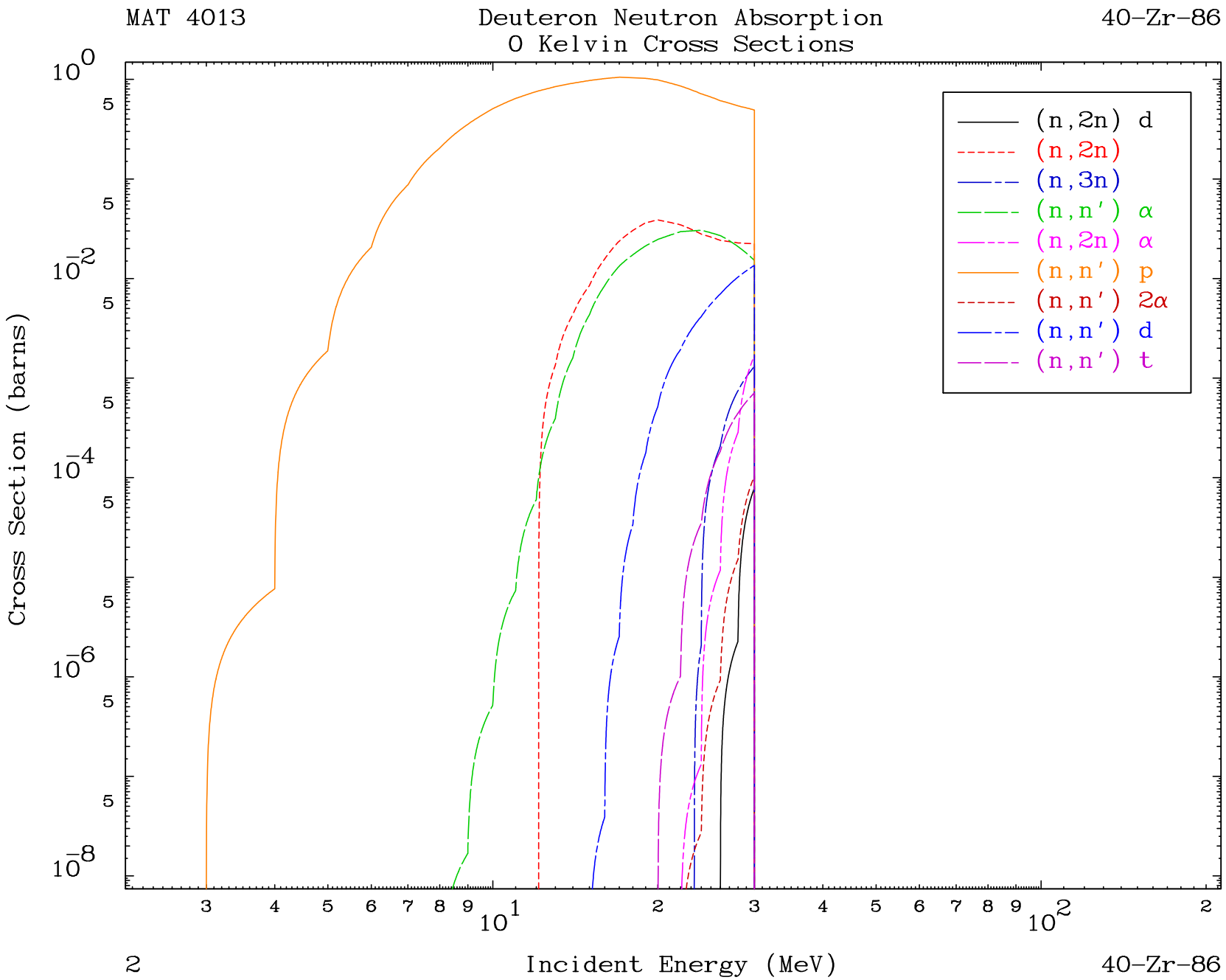
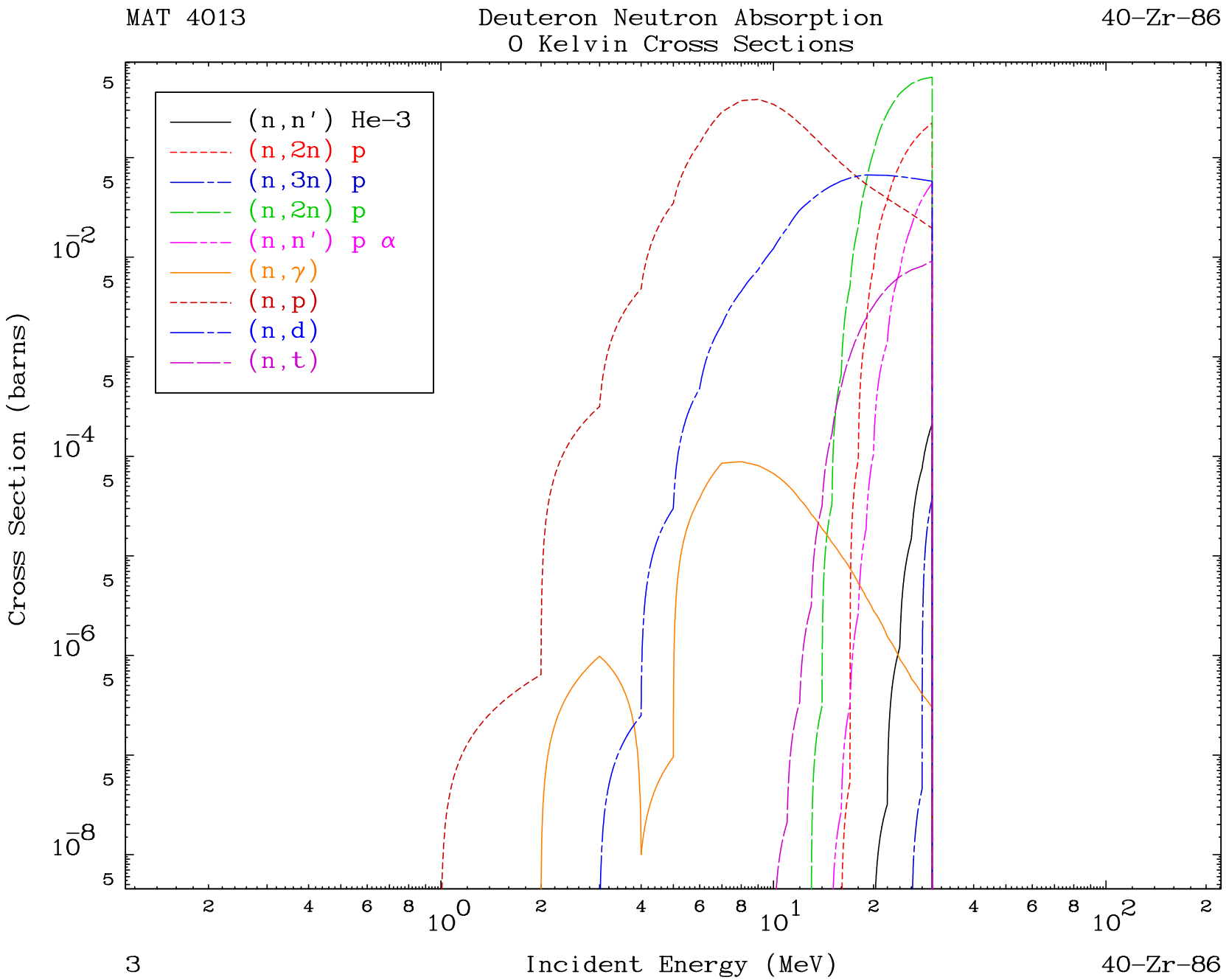
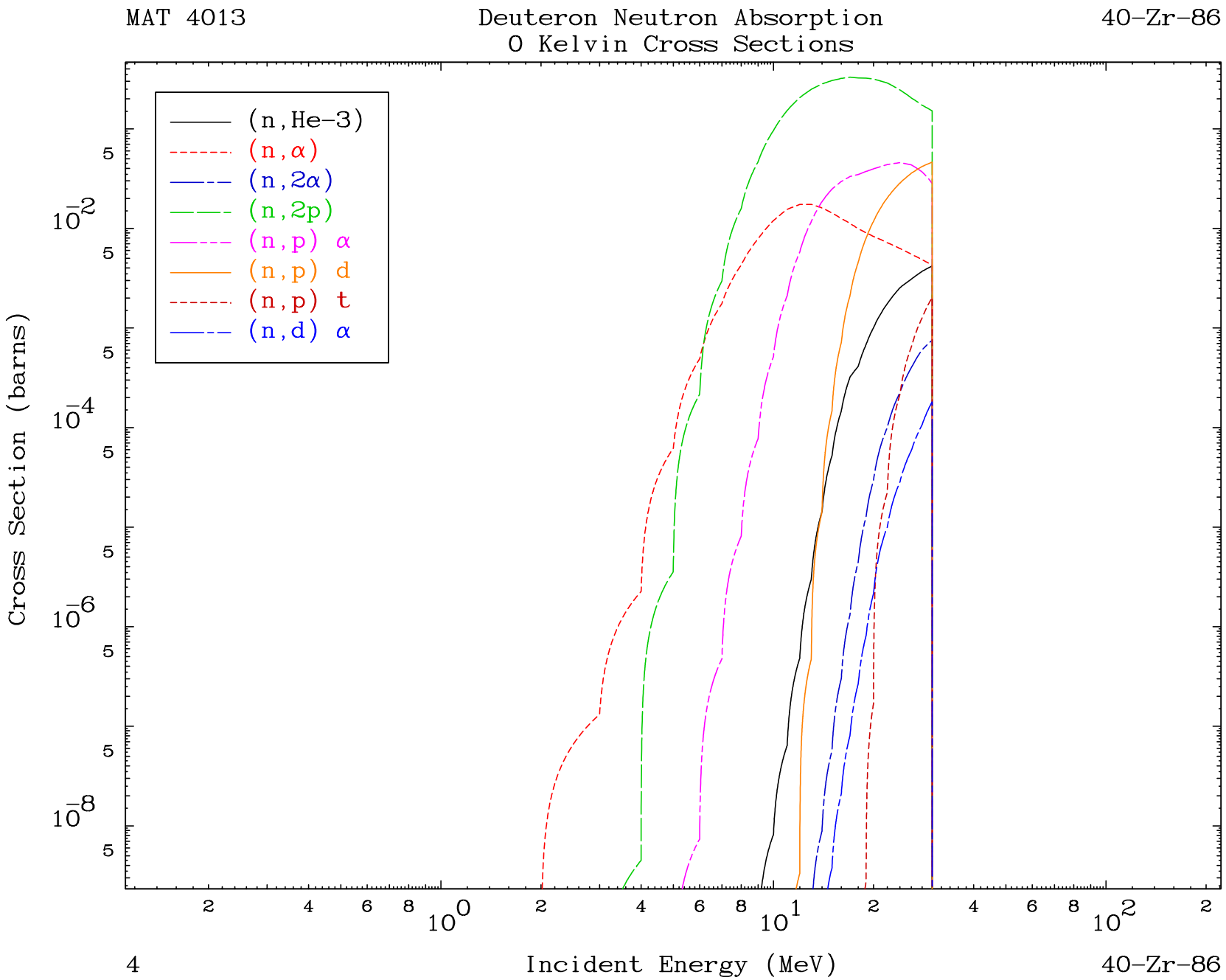
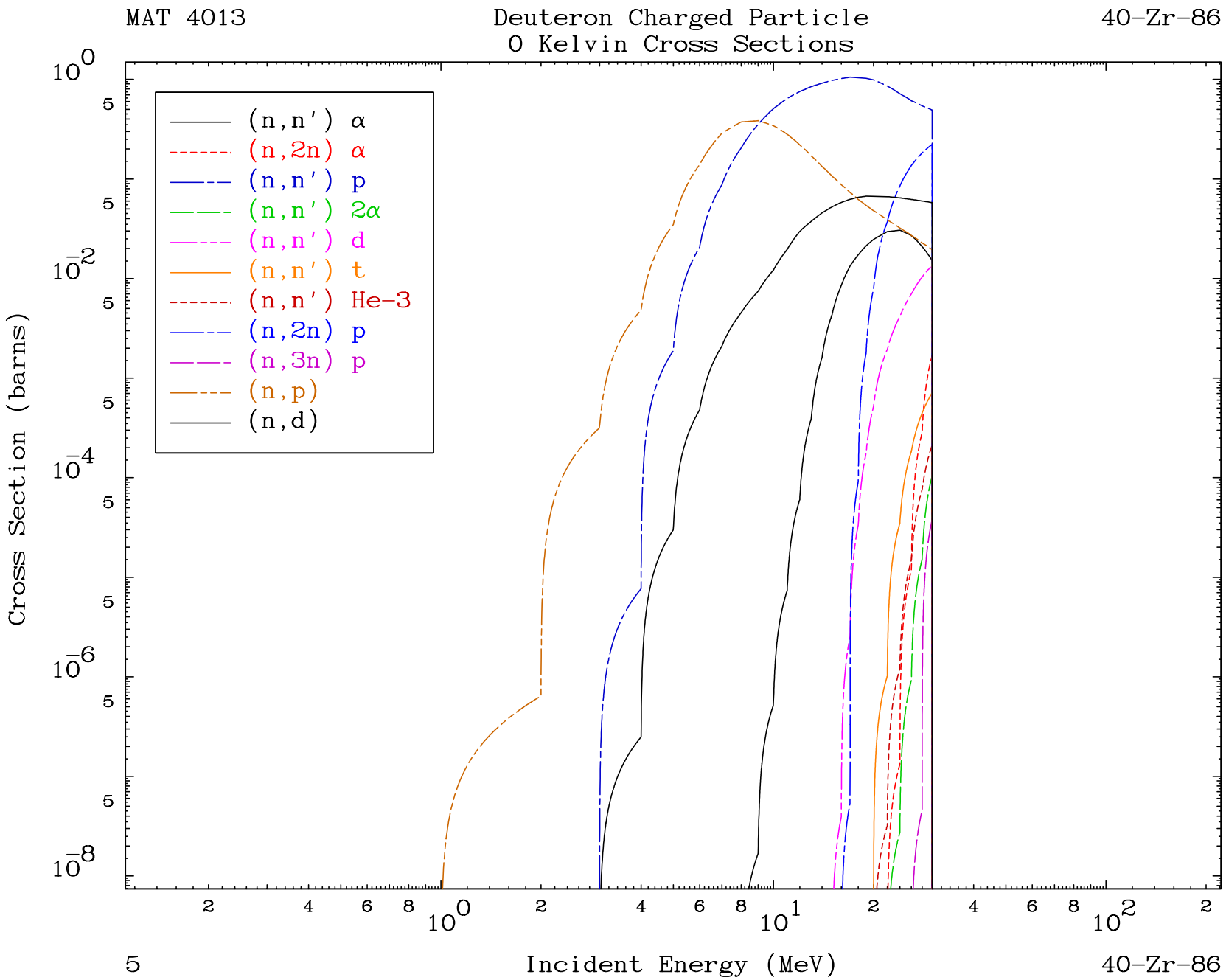
Press Mouse Button to Start

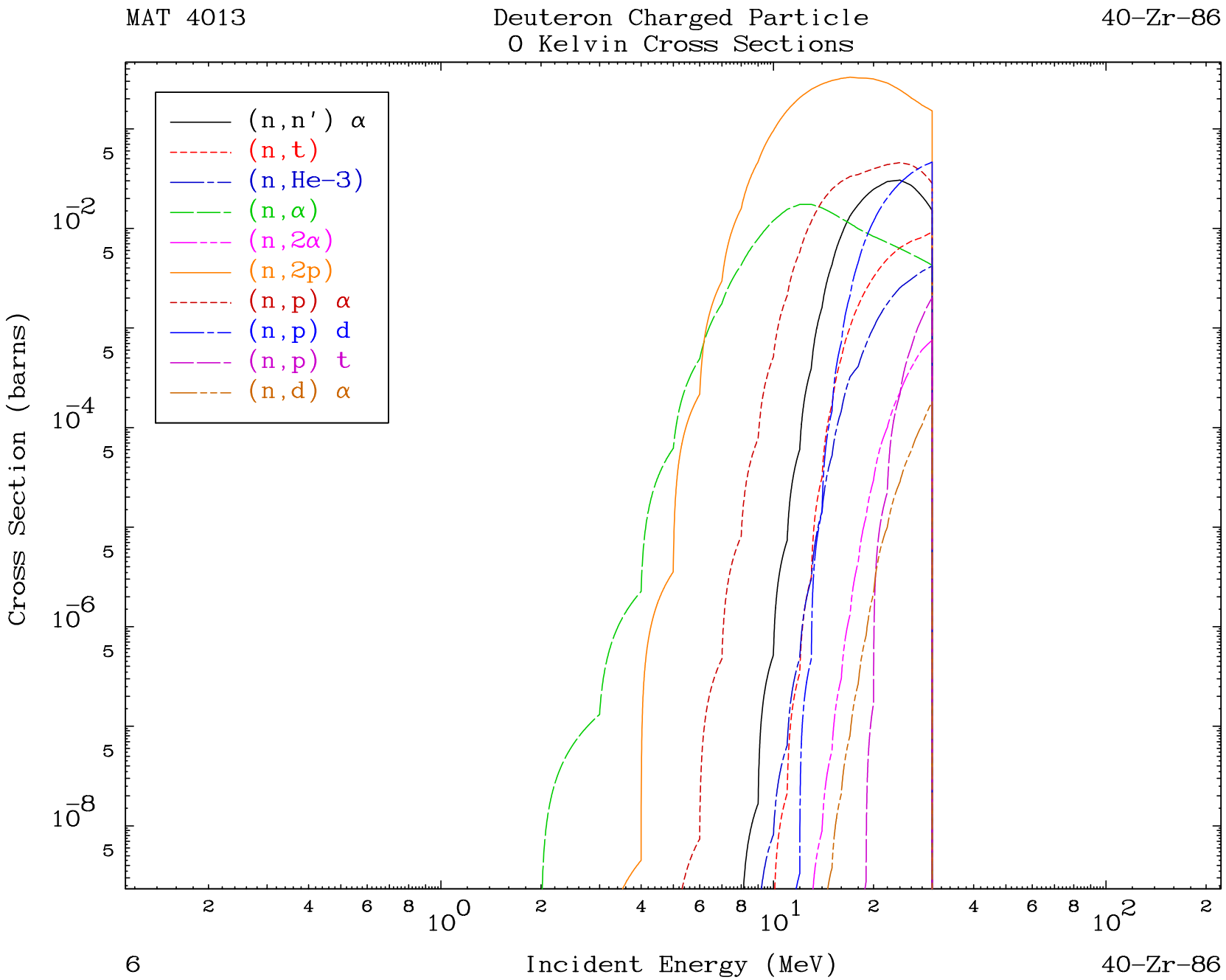

MAT 4013
Deuteron Major
40-Zr-86
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
40-Zr-86
1

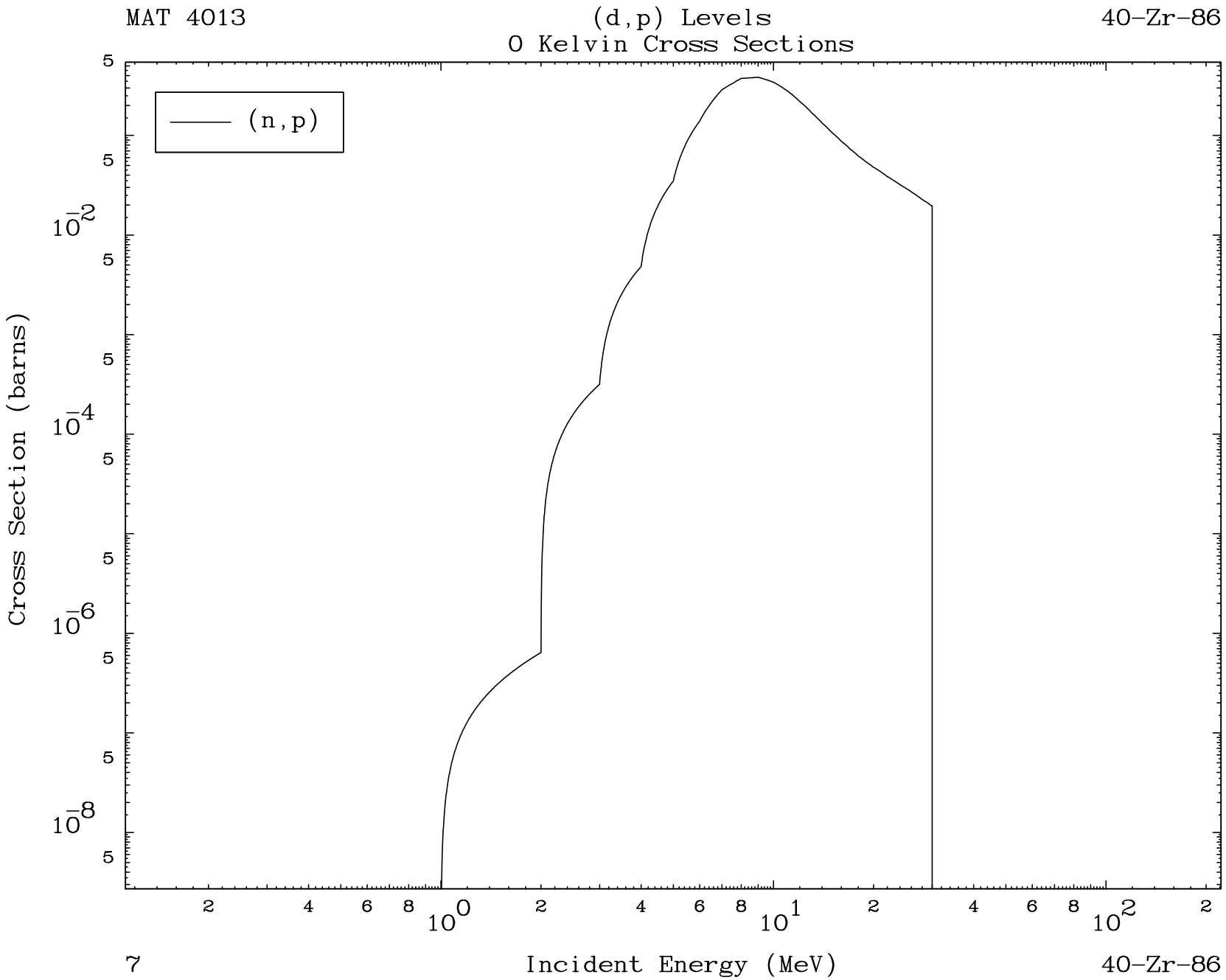

MAT 4013
Deuteron Neutron Absorption
0 Kelvin Cross Sections
40-Zr-86
Cross Section (barns)
Incident Energy (MeV)
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
40-Zr-86
2

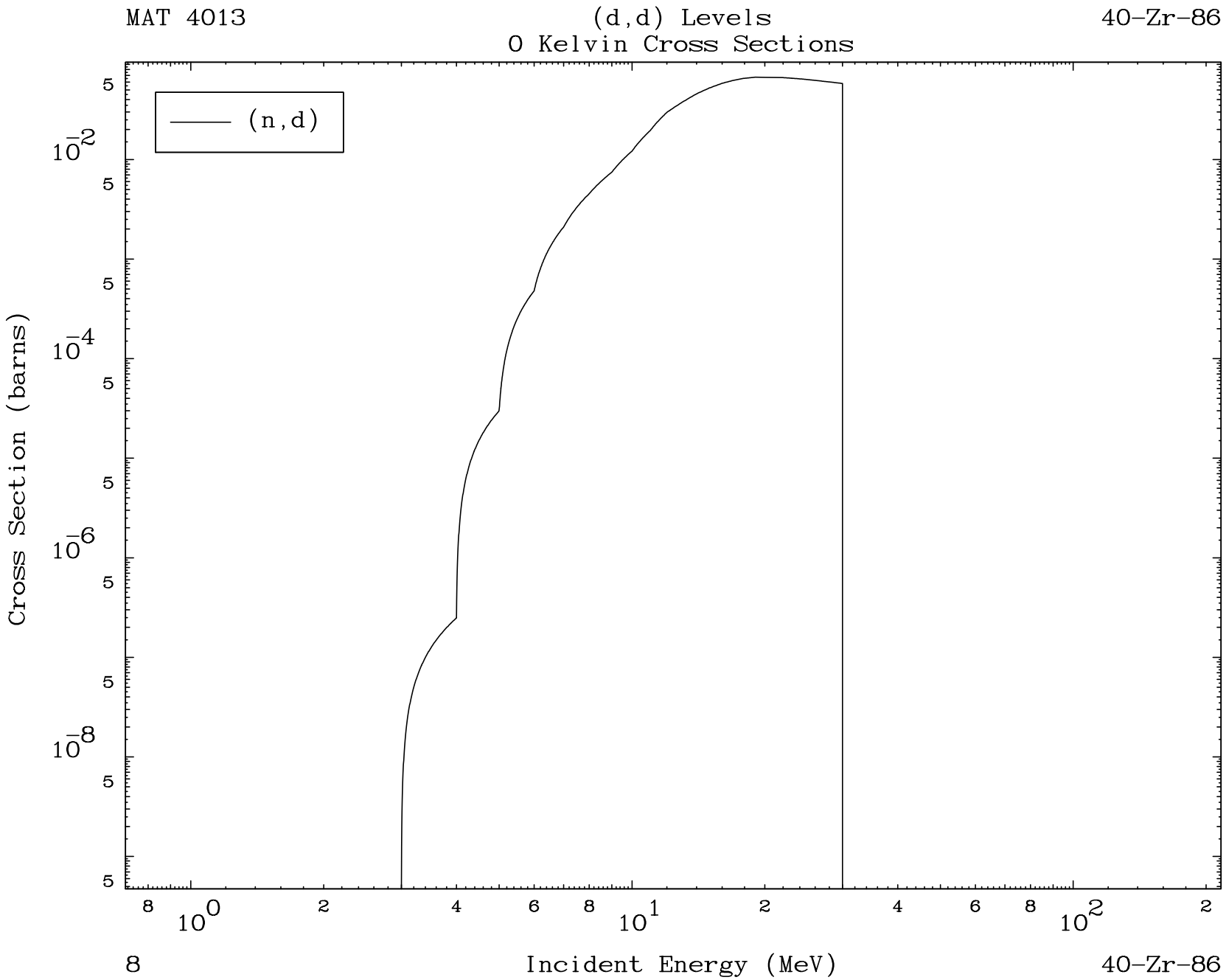

MAT 4013
Deuteron Neutron Absorption
0 Kelvin Cross Sections
40-Zr-86
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
40-Zr-86

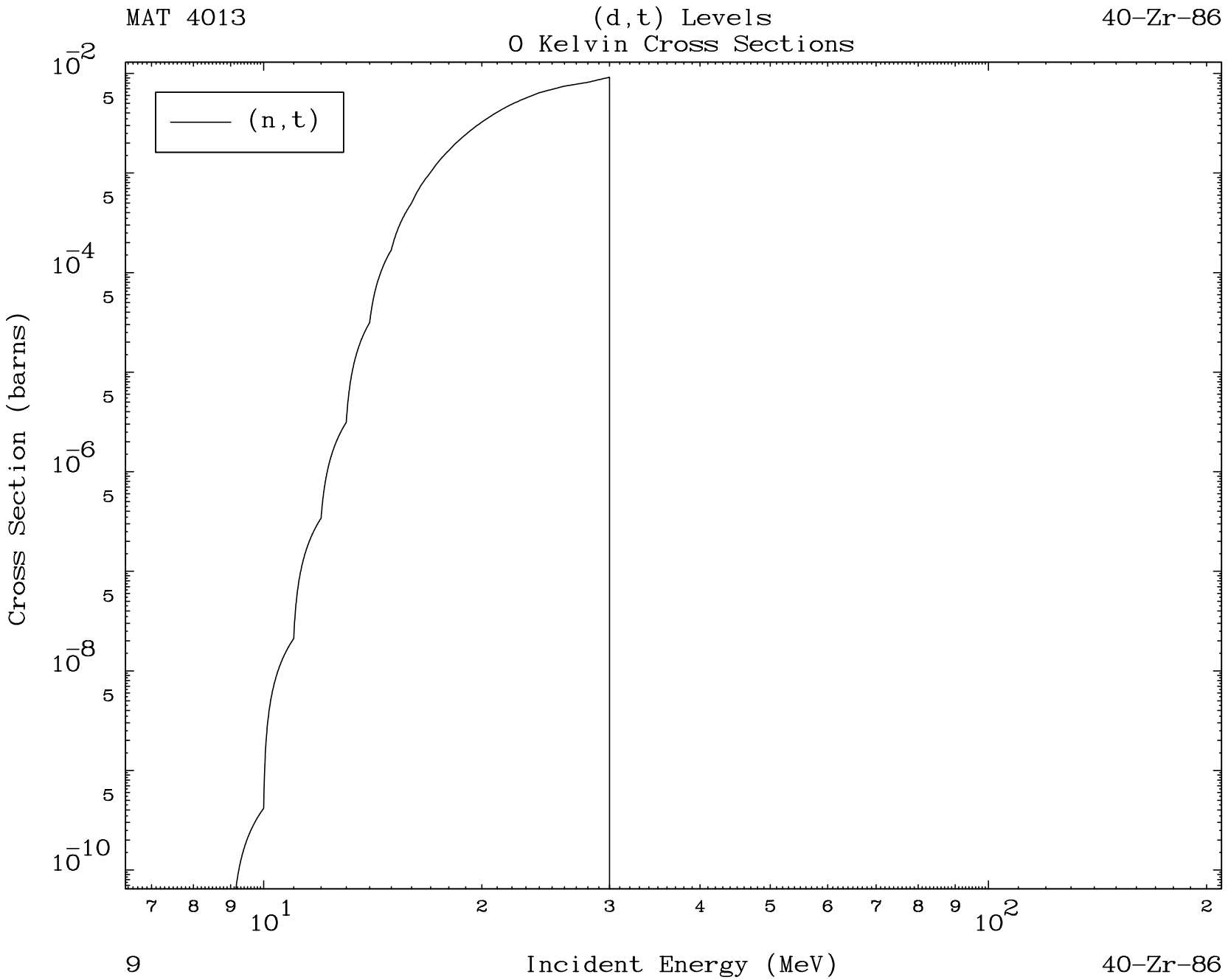

MAT 4013
Deuteron Neutron Absorption
0 Kelvin Cross Sections
40-Zr-86
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
40-Zr-86

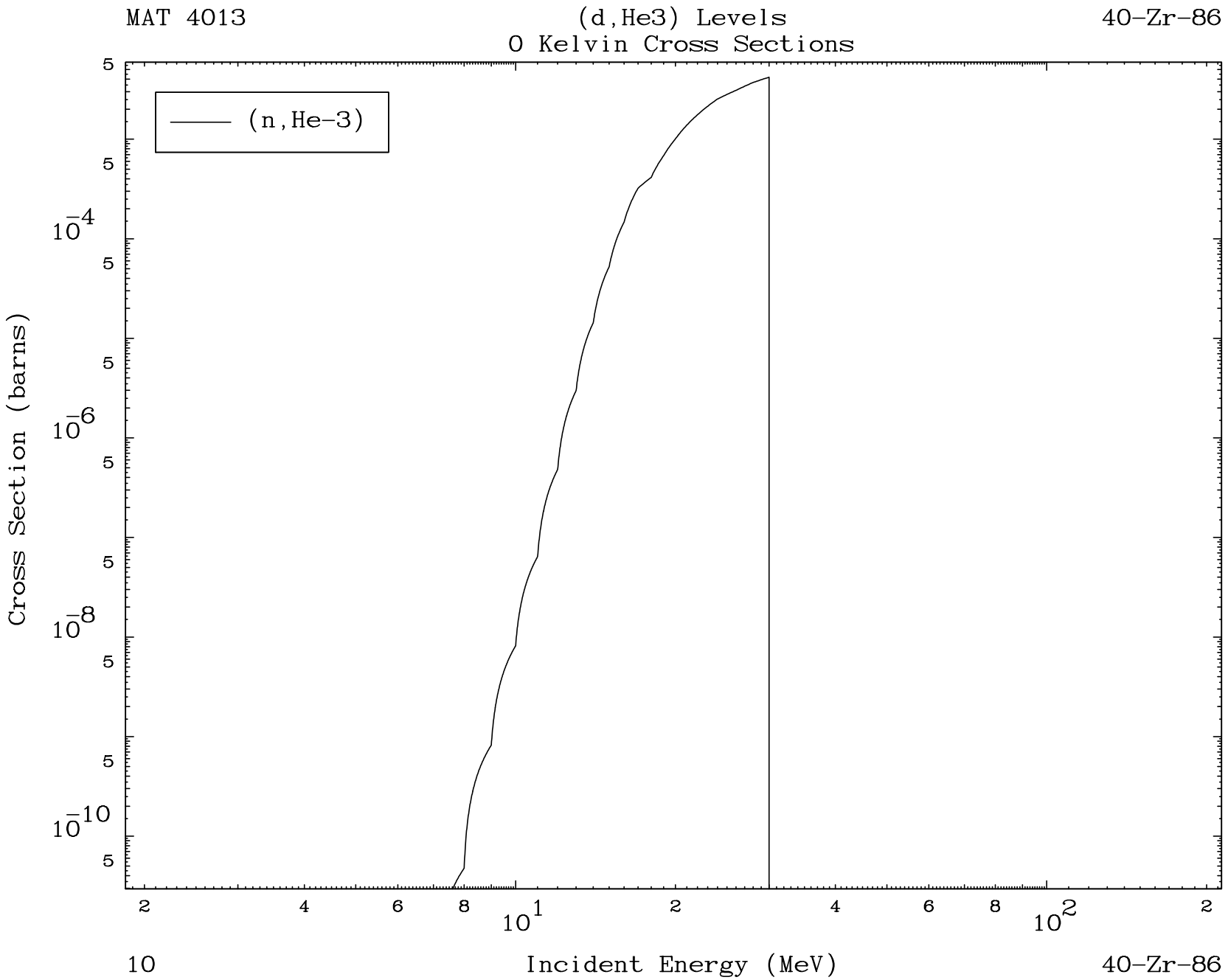

MAT 4013
Deuteron Charged Particle
0 Kelvin Cross Sections
40-Zr-86
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
40-Zr-86
5

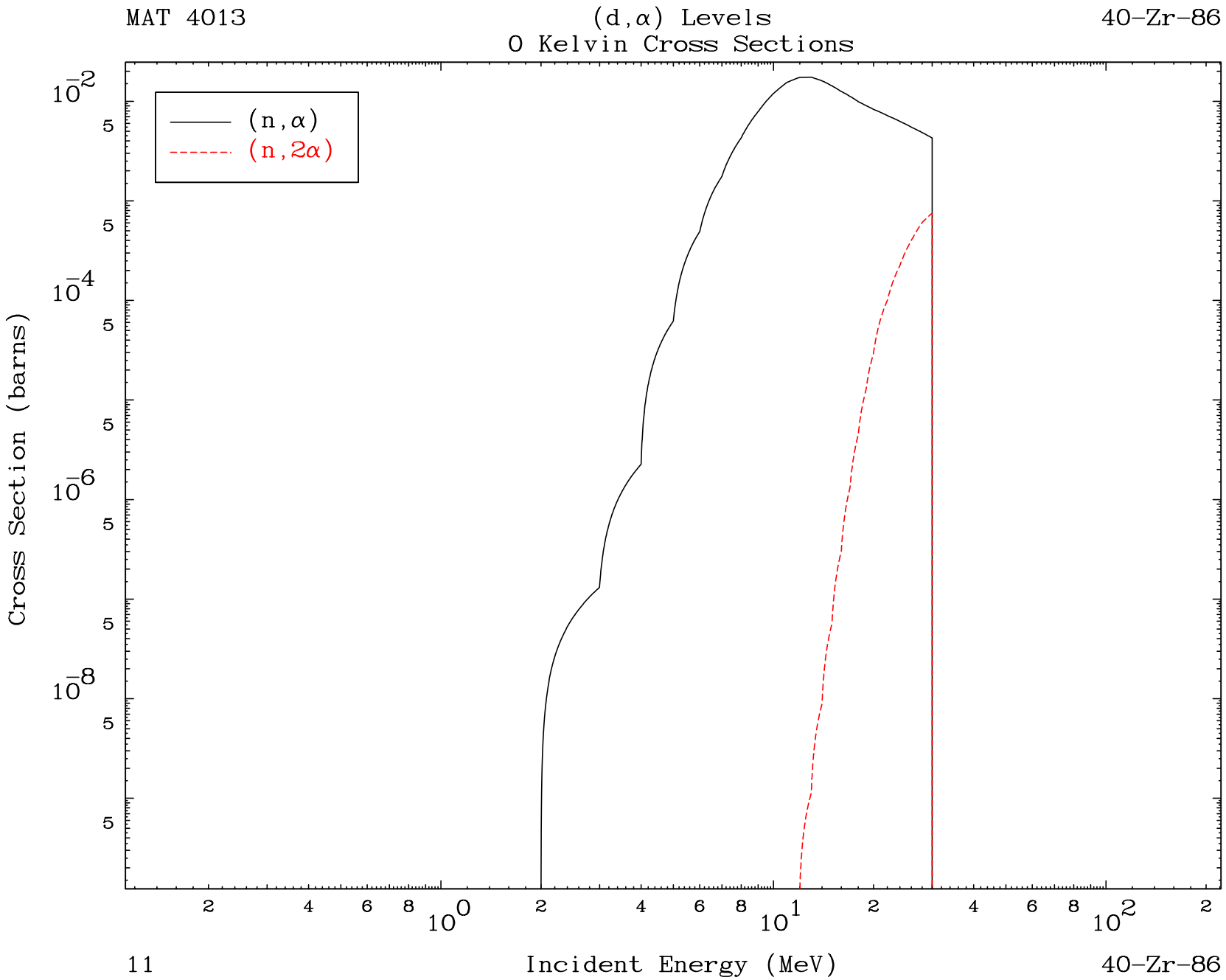

MAT 4013
Deuteron Charged Particle
0 Kelvin Cross Sections
40-Zr-86
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
40-Zr-86

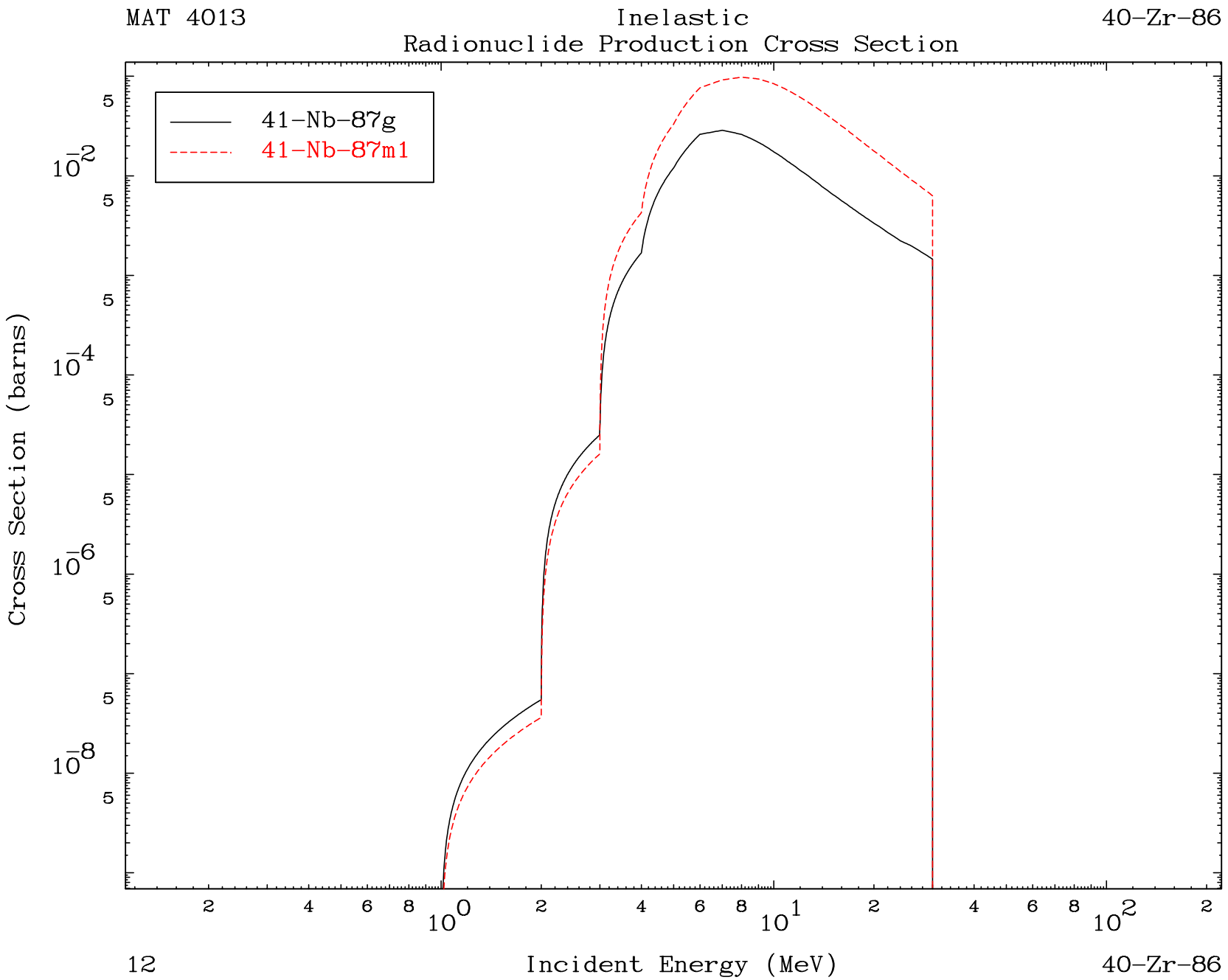

MAT 4013
(d,p) Levels
40-Zr-86
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
40-Zr-86

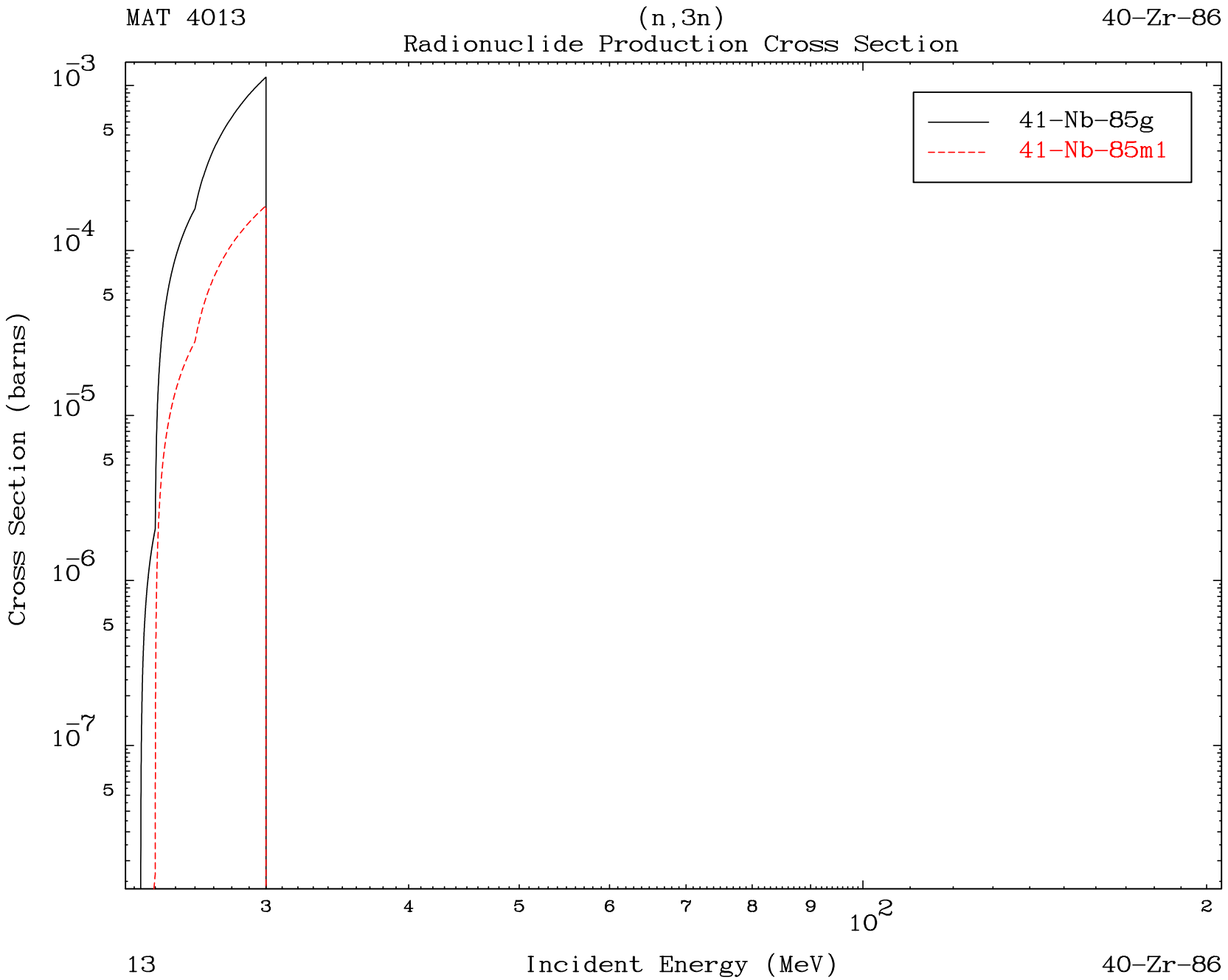

MAT 4013
(d,d) Levels
40-Zr-86
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
40-Zr-86
8

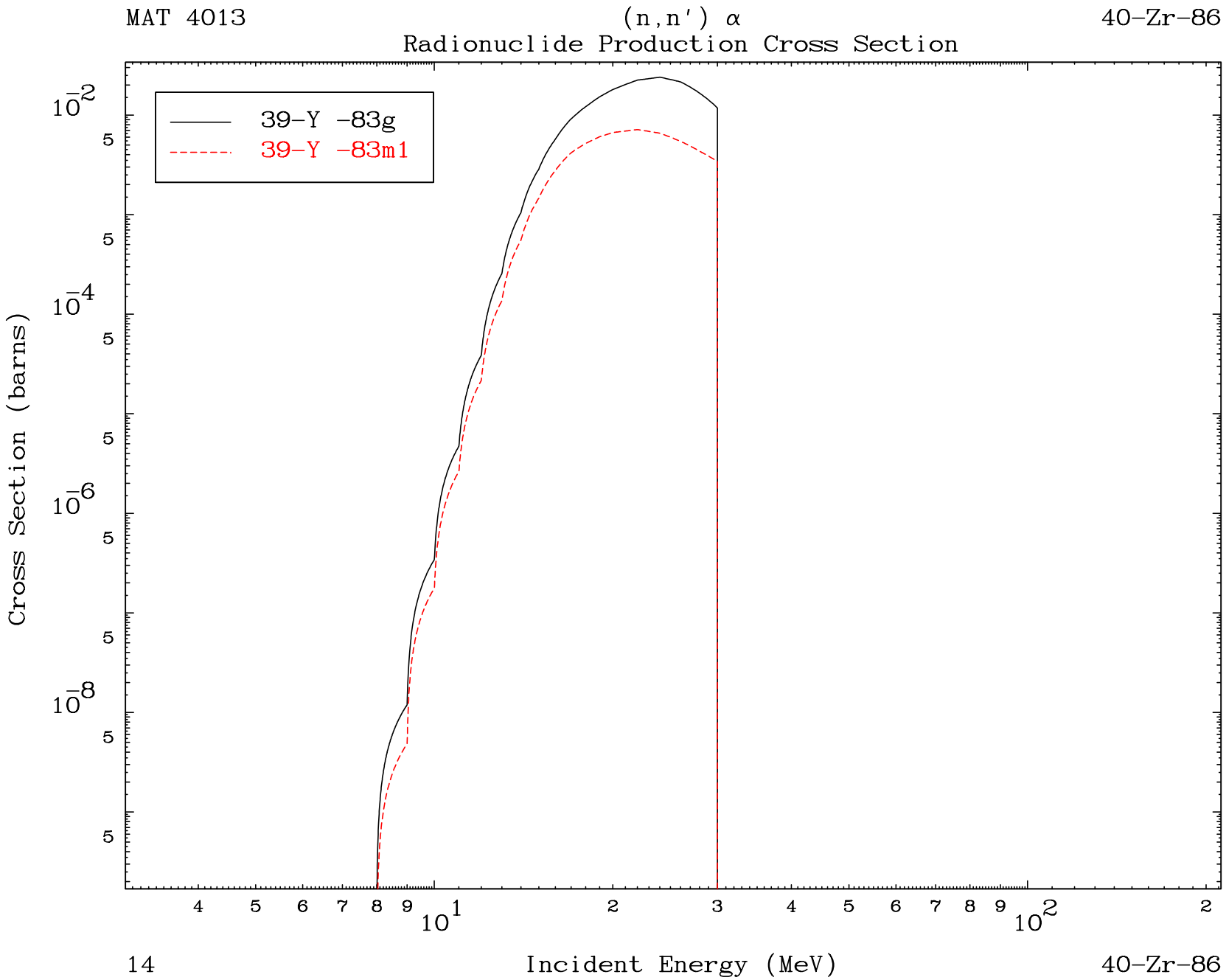

MAT 4013
(d,t) Levels
40-Zr-86
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
40-Zr-86

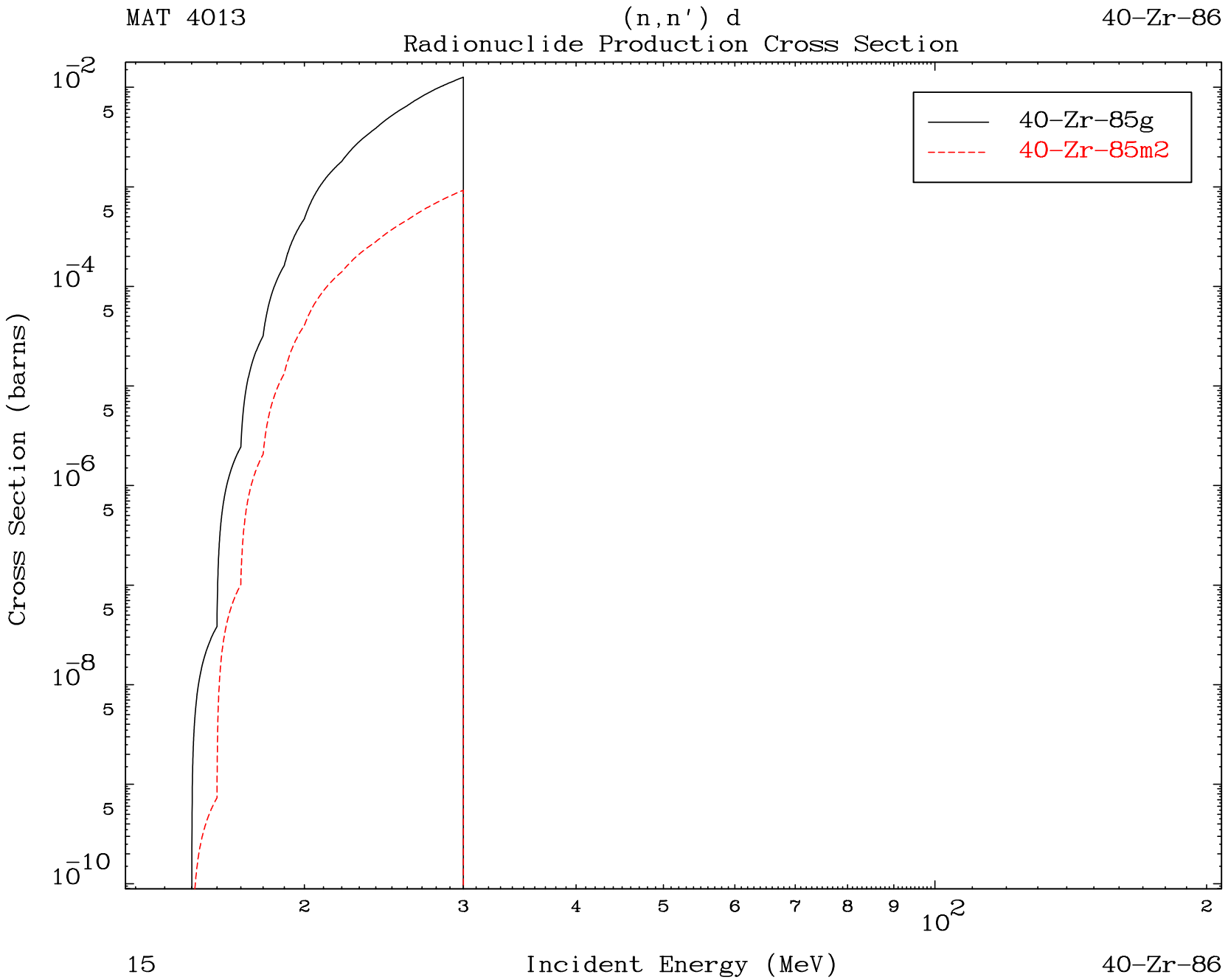

MAT 4013
(d,He3) Levels
40-Zr-86
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
40-Zr-86

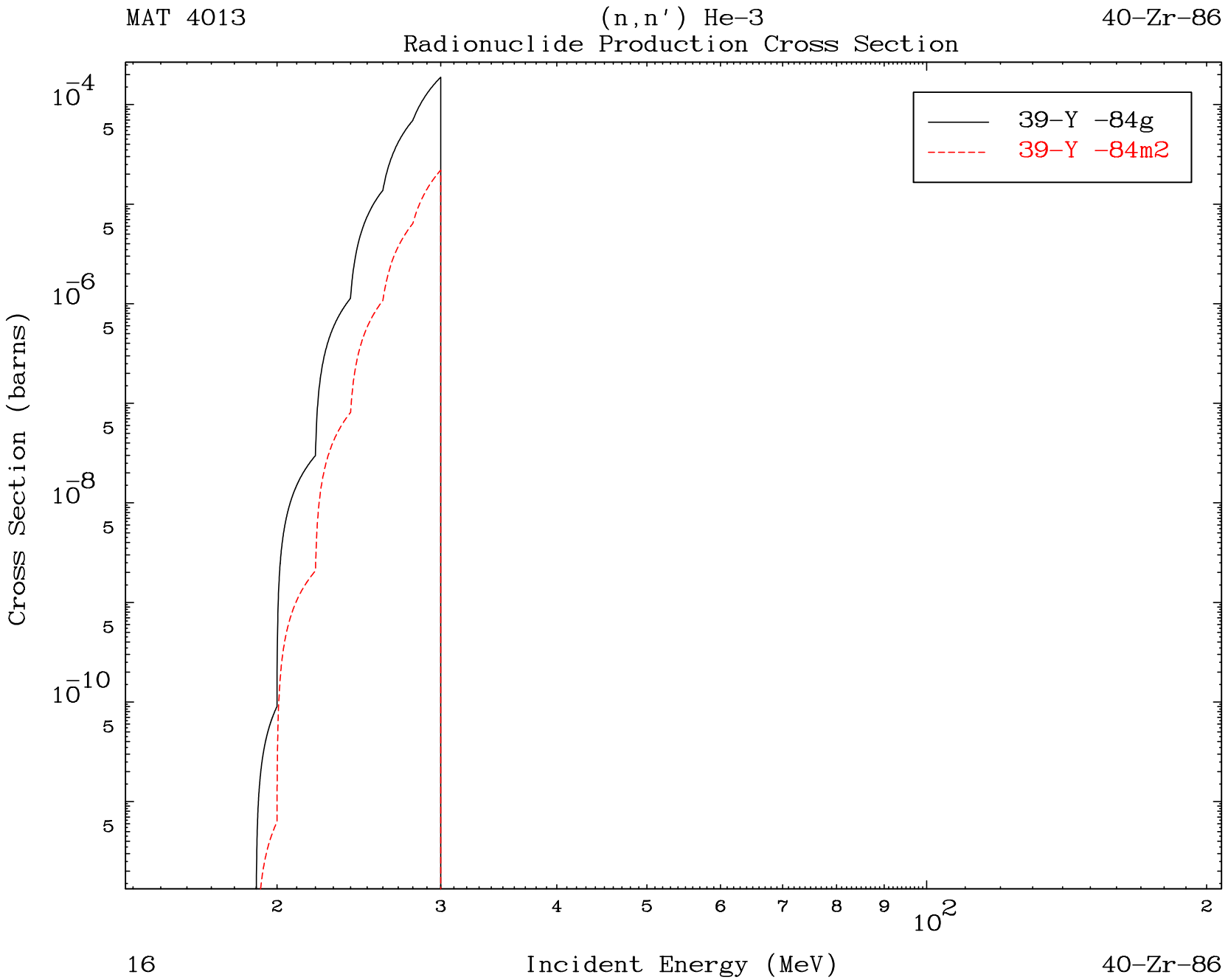

MAT 4013
(d,α) Levels
40-Zr-86
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
40-Zr-86

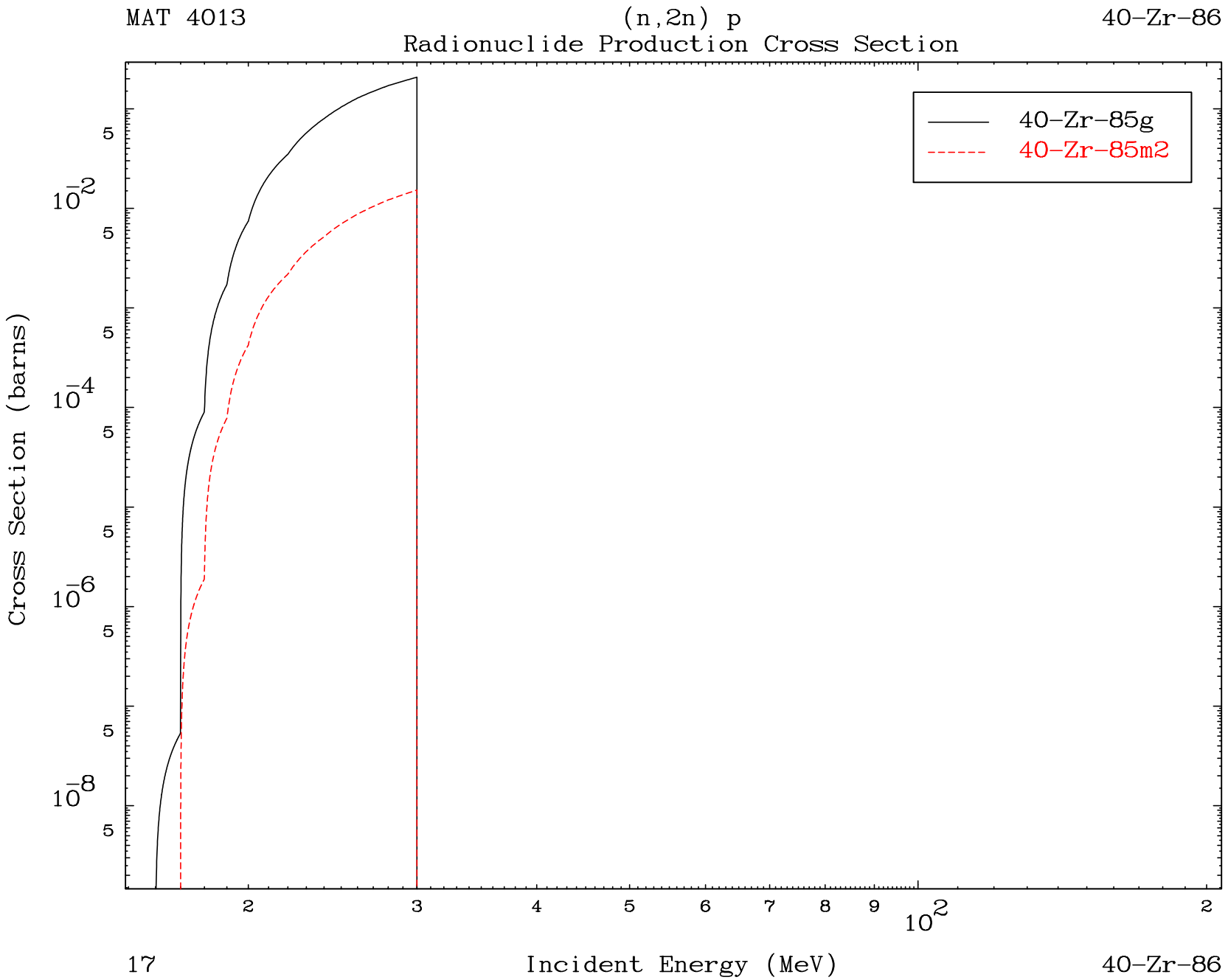

MAT 4013
Inelastic
40-Zr-86
Radionuclide Production Cross Section
41-Nb-87g
41-Nb-87m1
Cross Section (barns)
Incident Energy (MeV)
12
40-Zr-86

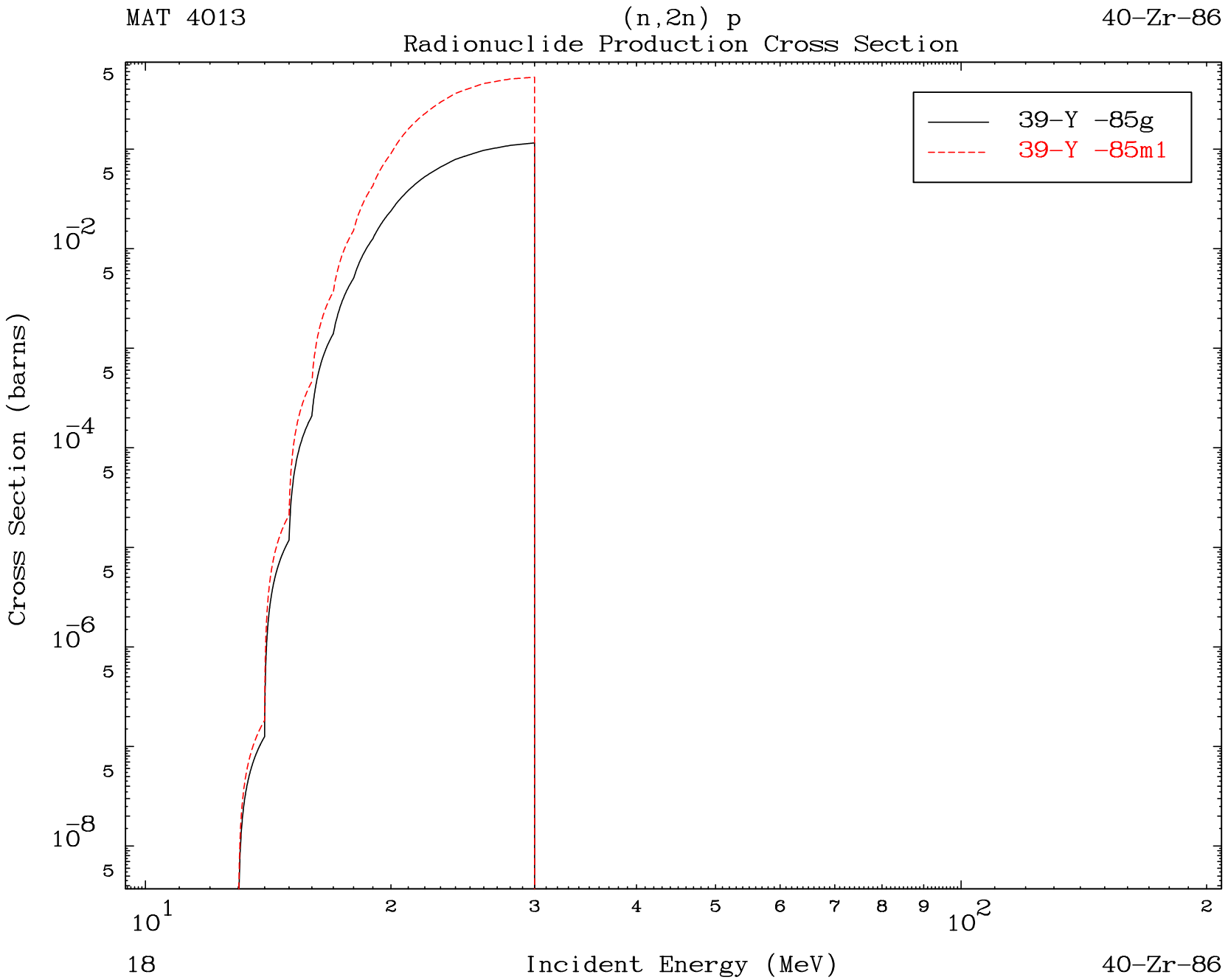

MAT 4013
(n,3n)
40-Zr-86
Radionuclide Production Cross Section
41-Nb-85g
41-Nb-85m1
Cross Section (barns)
Incident Energy (MeV)
13
40-Zr-86

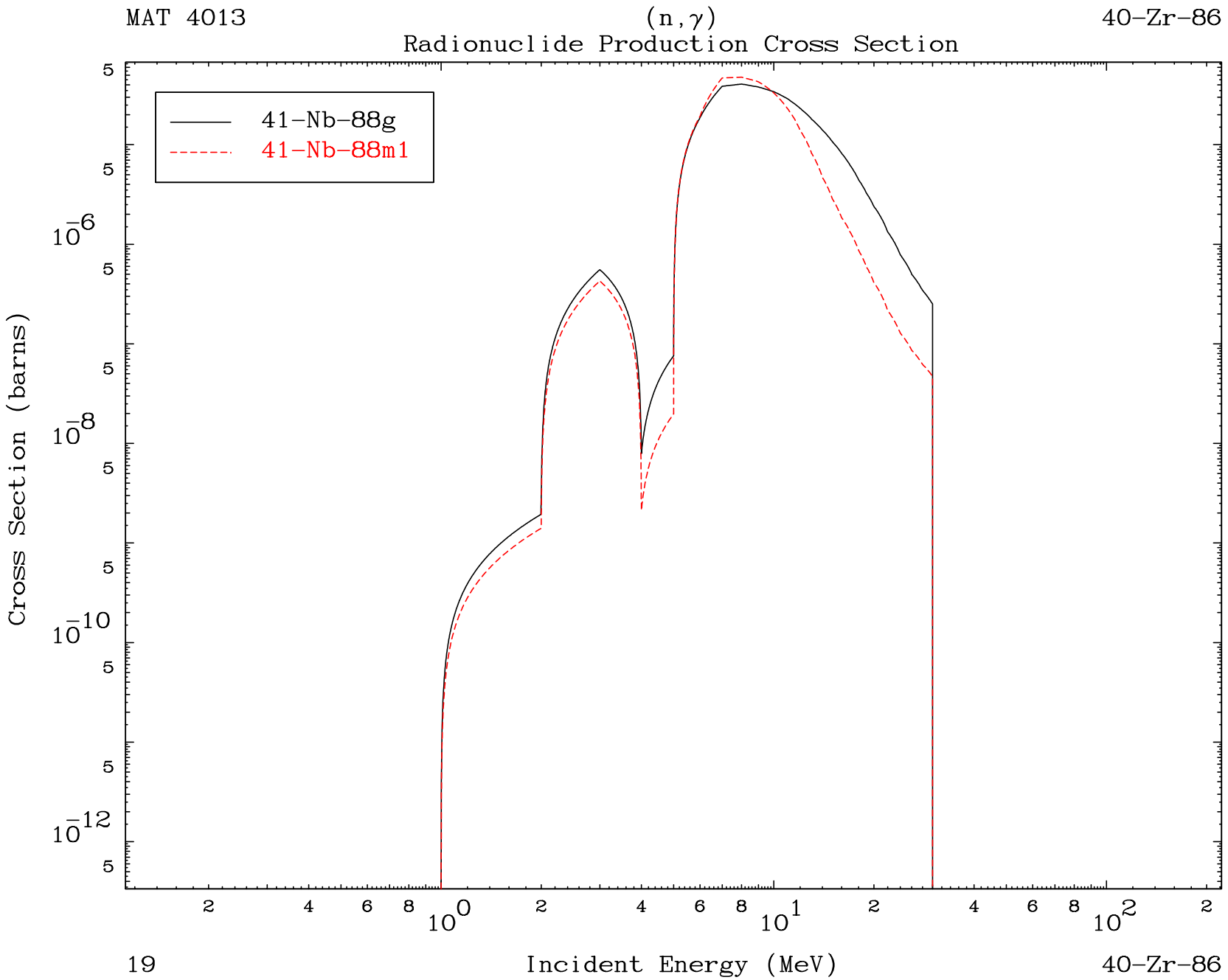

MAT 4013
(n,n') α
40-Zr-86
Radionuclide Production Cross Section
39-Y -83g
39-Y -83m1
Cross Section (barns)
Incident Energy (MeV)
14
40-Zr-86

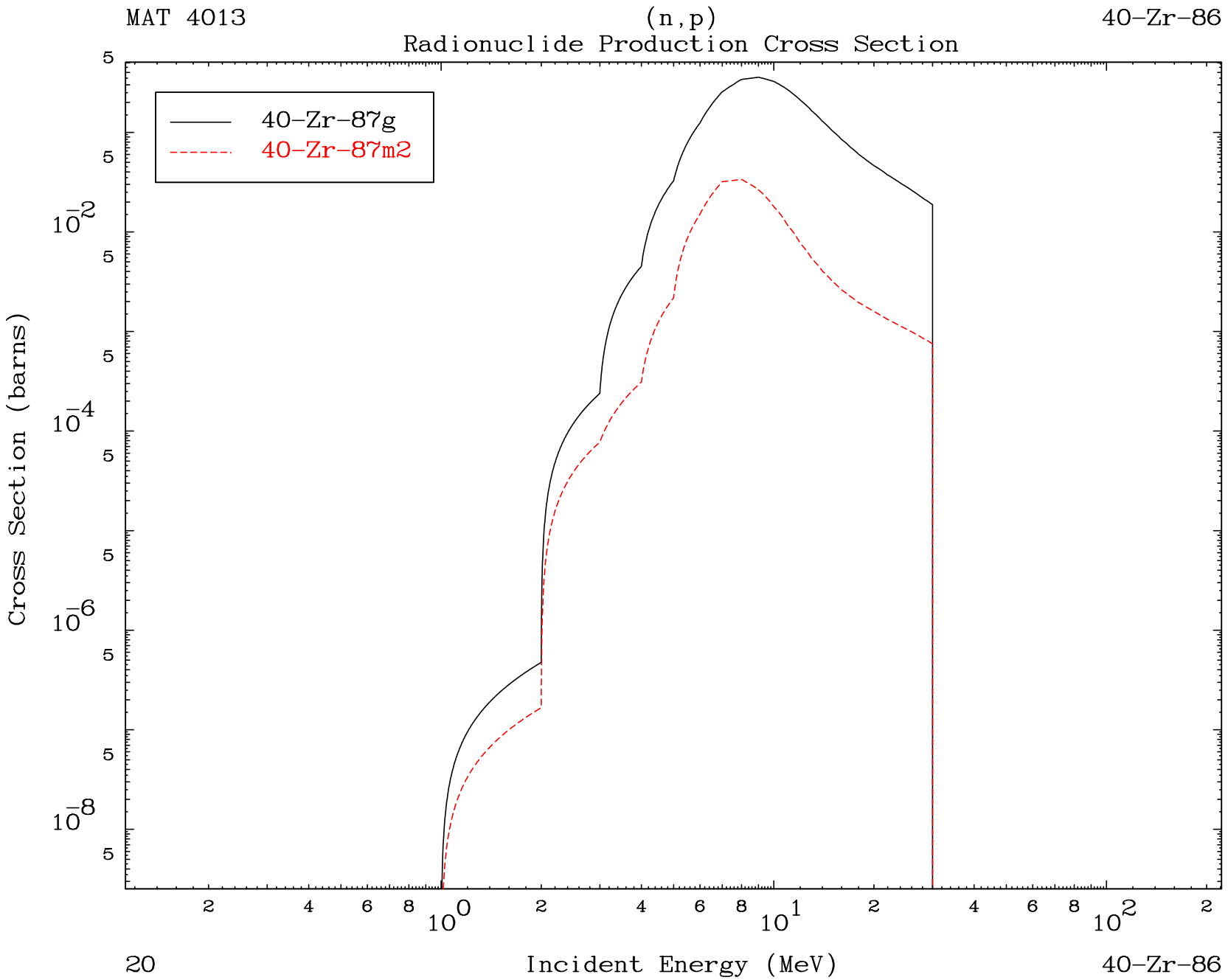

MAT 4013
(n,n') d
40-Zr-86
Radionuclide Production Cross Section
40-Zr-85g
40-Zr-85m2
Cross Section (barns)
Incident Energy (MeV)
15
40-Zr-86

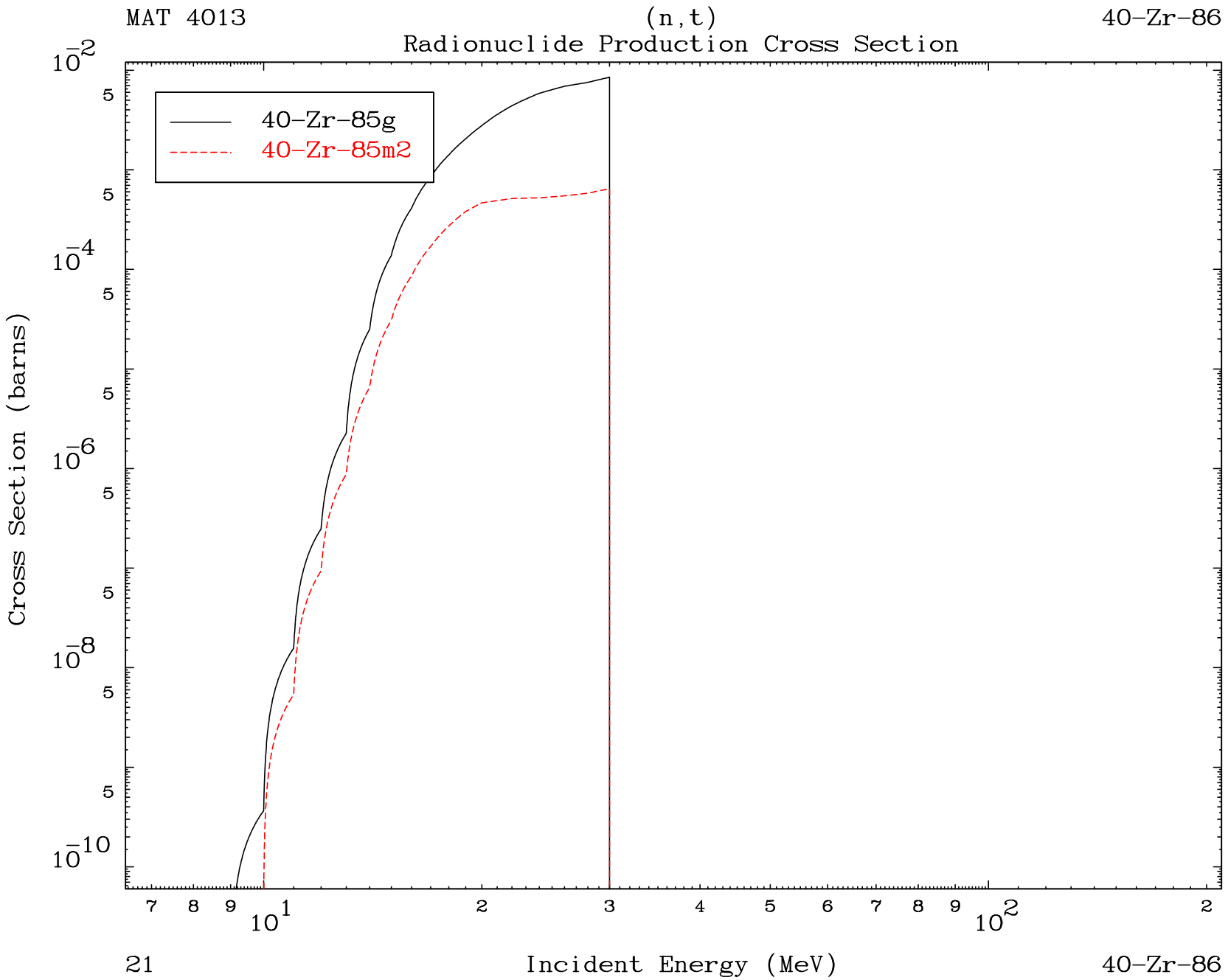

MAT 4013
(n,n') He-3
40-Zr-86
Radionuclide Production Cross Section
39-Y -84g
39-Y -84m2
Cross Section (barns)
Incident Energy (MeV)
16
40-Zr-86

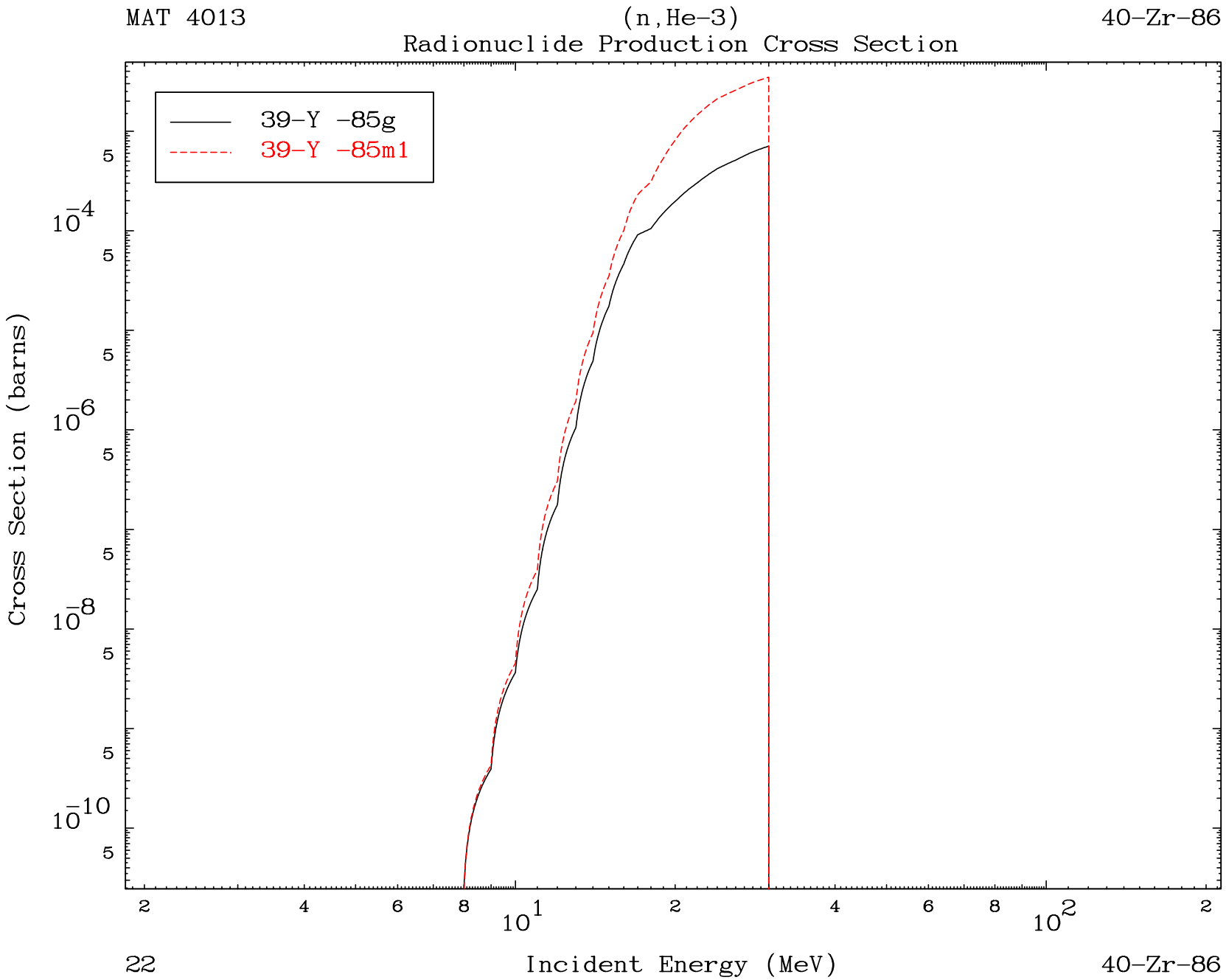

MAT 4013
(n,2n) p
40-Zr-86
Radionuclide Production Cross Section
40-Zr-85g
40-Zr-85m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
17
Incident Energy (MeV)
40-Zr-86

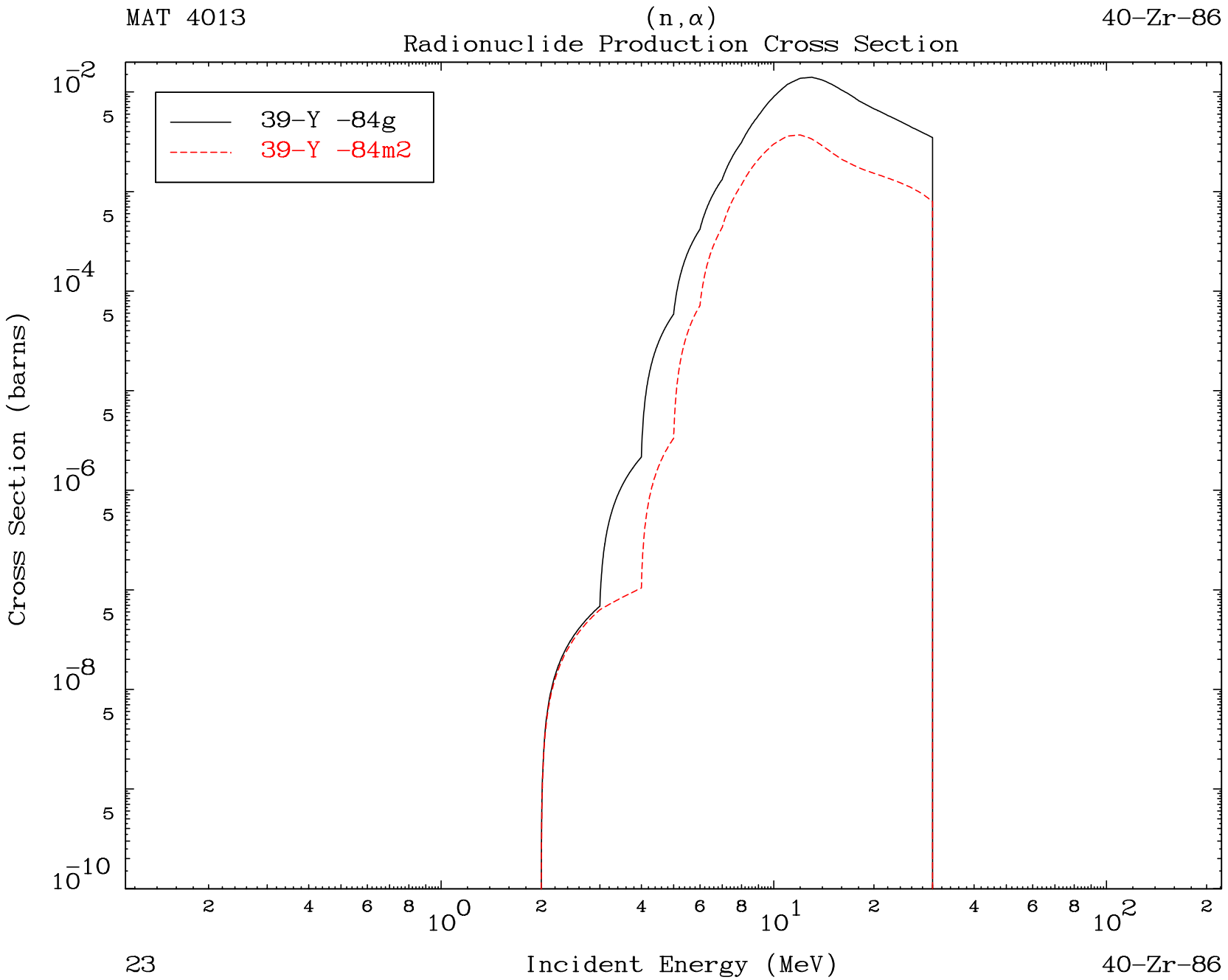

MAT 4013
(n,2n) p
40-Zr-86
Radionuclide Production Cross Section
39-Y -85g
39-Y -85m1
Cross Section (barns)
Incident Energy (MeV)
18
40-Zr-86

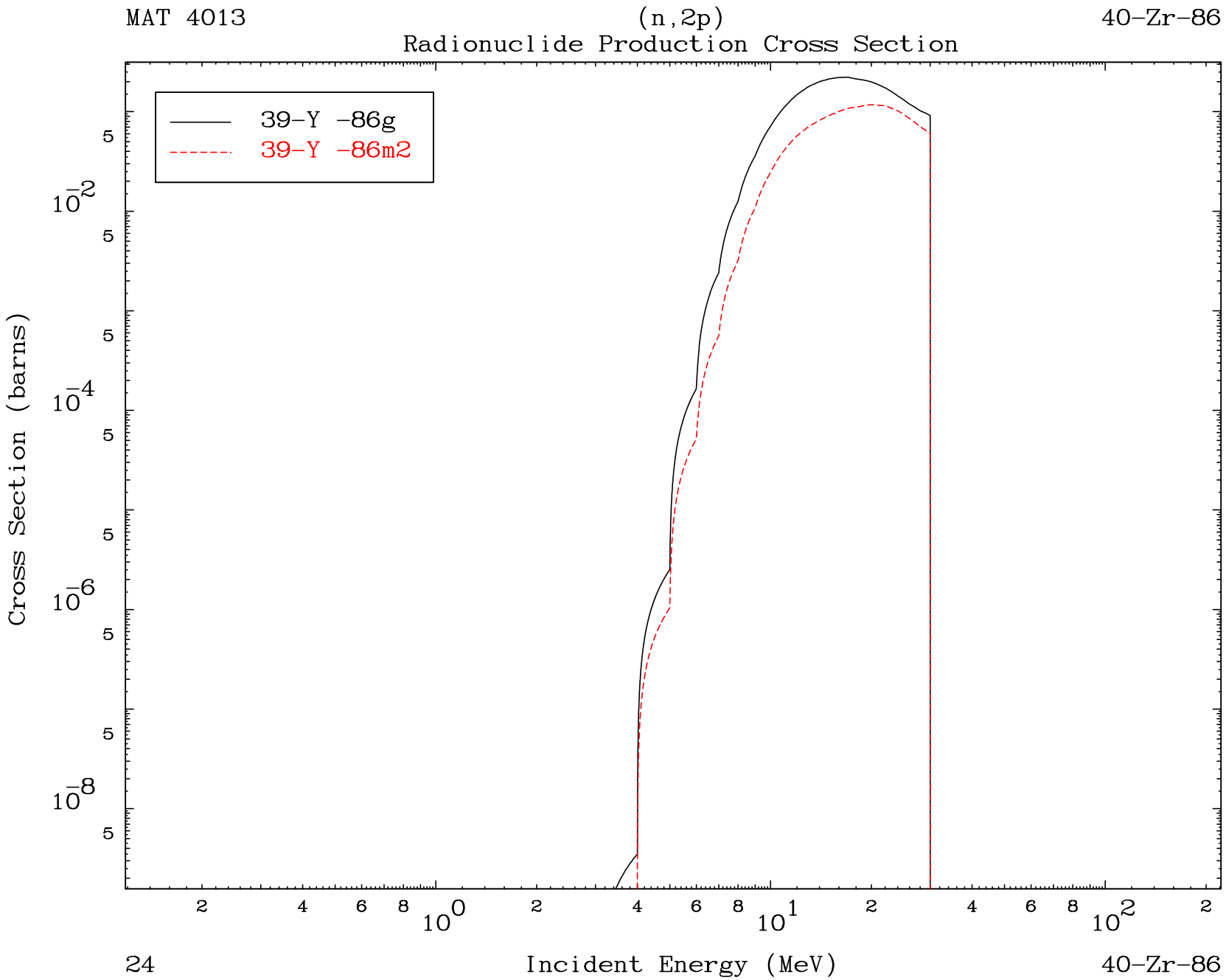

MAT 4013
(n,γ)
40-Zr-86
Radionuclide Production Cross Section
41-Nb-88g
41-Nb-88m1
Cross Section (barns)
Incident Energy (MeV)
19
40-Zr-86

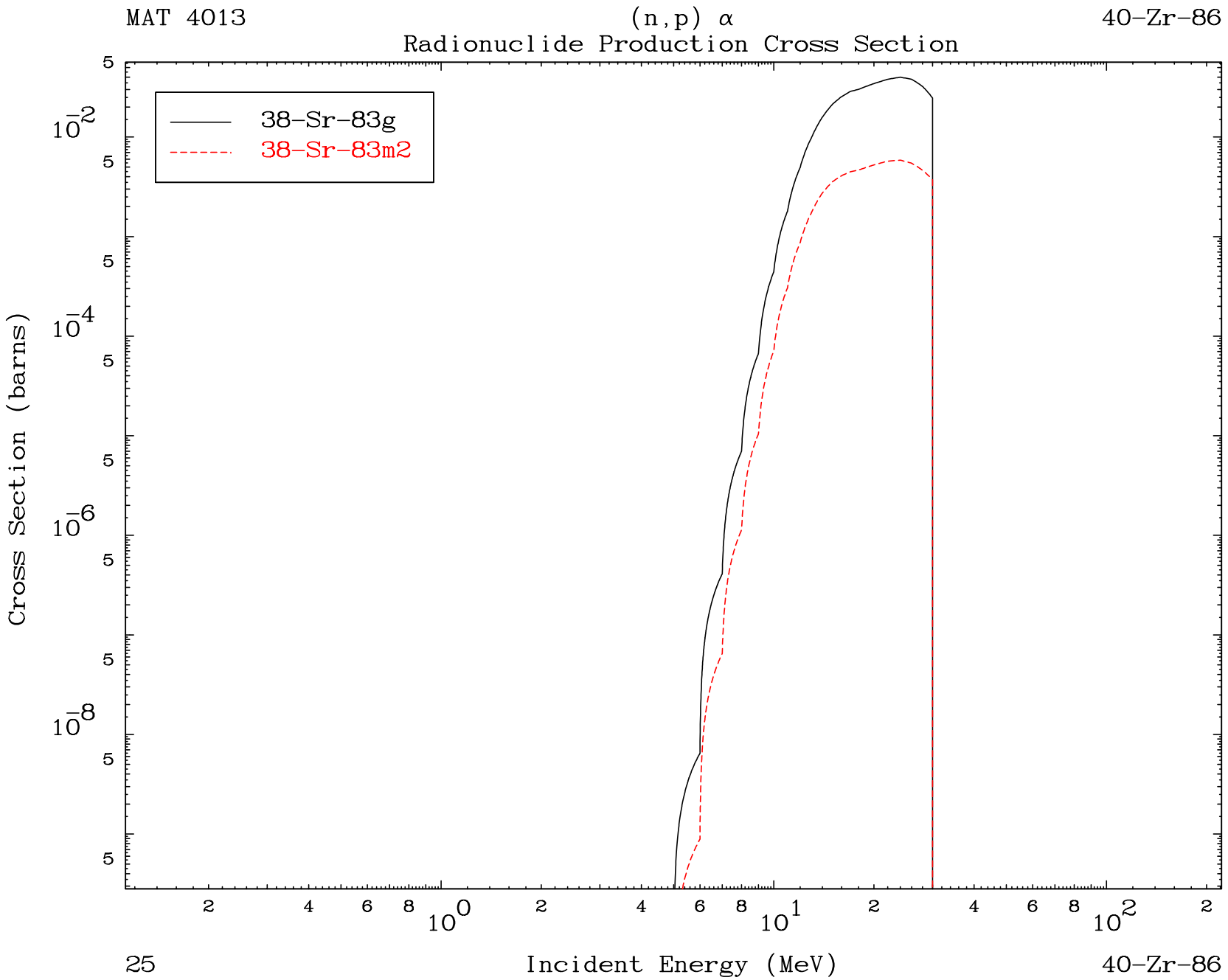

MAT 4013
(n,p)
40-Zr-86
Radionuclide Production Cross Section
40-Zr-87g
40-Zr-87m2
Cross Section (barns)
Incident Energy (MeV)
20
40-Zr-86

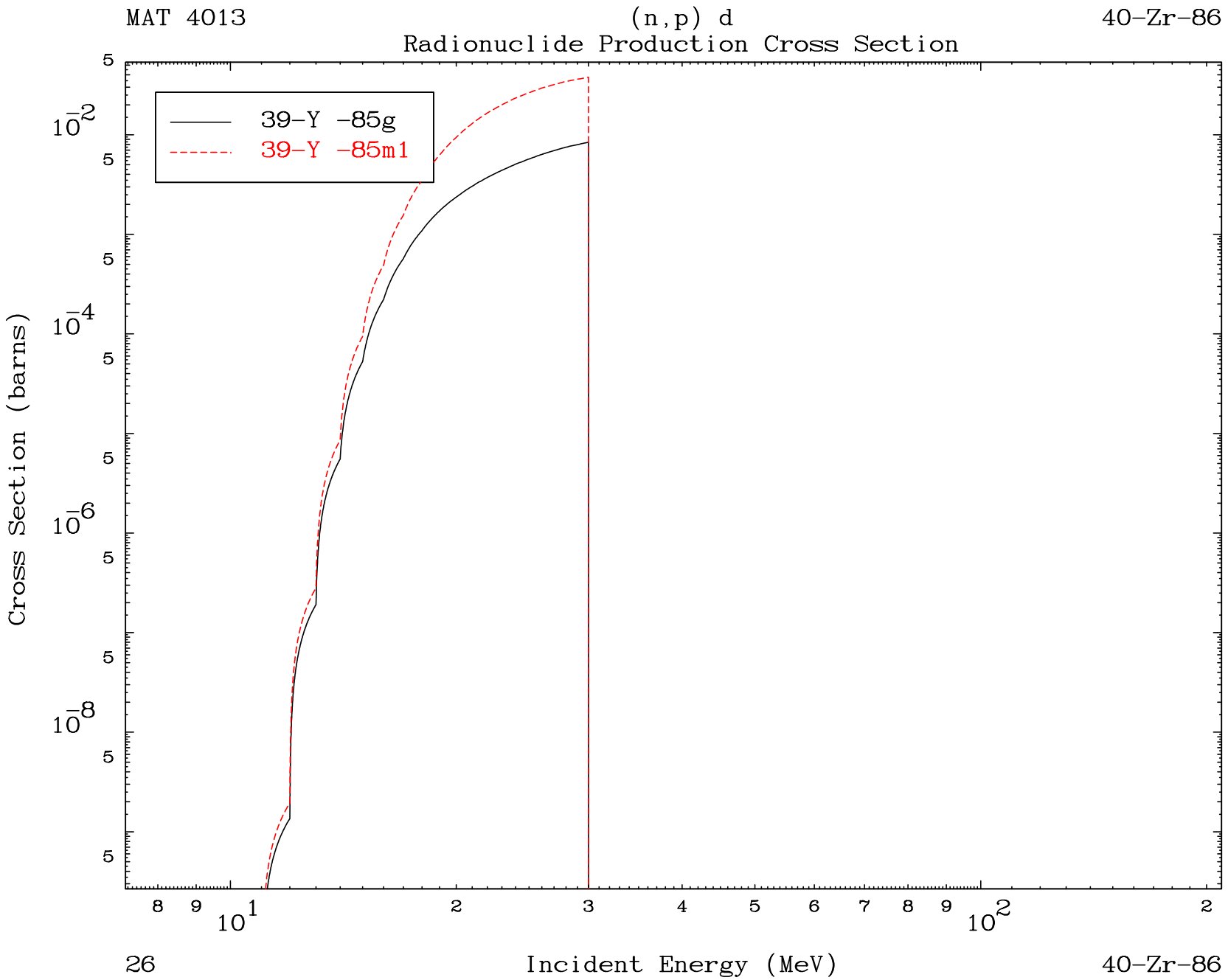

MAT 4013
(n,t)
40-Zr-86
Radionuclide Production Cross Section
40-Zr-85g
40-Zr-85m2
Cross Section (barns)
Incident Energy (MeV)
21
40-Zr-86

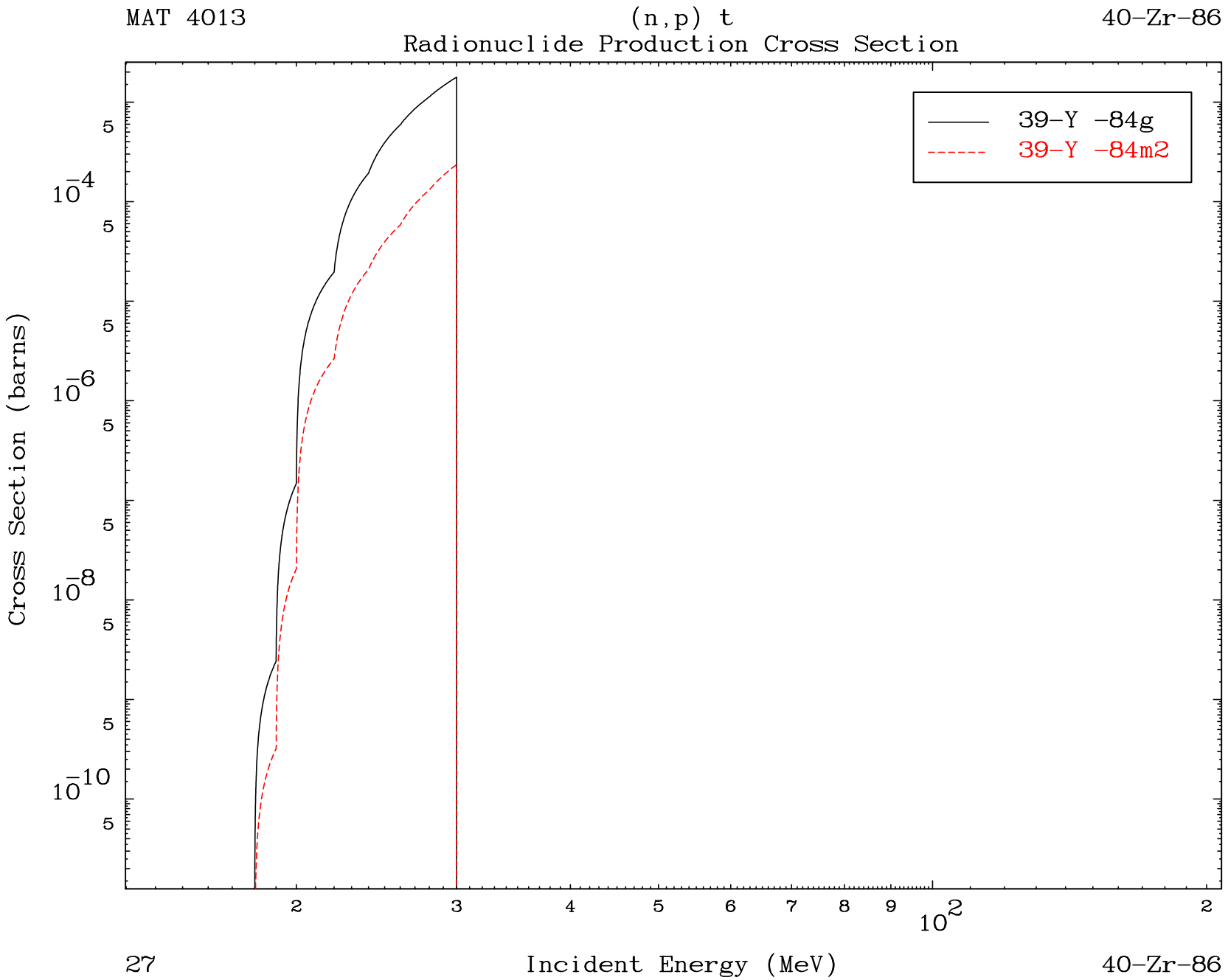

MAT 4013
(n,He-3)
40-Zr-86
Radionuclide Production Cross Section
39-Y -85g
39-Y -85m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
22
40-Zr-86


MAT 4013
(n,α)
40-Zr-86
Radionuclide Production Cross Section
39-Y -84g
39-Y -84m2
Cross Section (barns)
Incident Energy (MeV)
23
40-Zr-86


MAT 4013
(n,2p)
40-Zr-86
Radionuclide Production Cross Section
39-Y -86g
39-Y -86m2
Cross Section (barns)
Incident Energy (MeV)
24
40-Zr-86


MAT 4013
(n,p) α
40-Zr-86
Radionuclide Production Cross Section
38-Sr-83g
38-Sr-83m2
Cross Section (barns)
Incident Energy (MeV)
25
40-Zr-86


MAT 4013
(n,p) d
40-Zr-86
Radionuclide Production Cross Section
39-Y -85g
39-Y -85m1
Cross Section (barns)
Incident Energy (MeV)
26
40-Zr-86


MAT 4013
(n,p) t
40-Zr-86
Radionuclide Production Cross Section
39-Y -84g
39-Y -84m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
27
Incident Energy (MeV)
40-Zr-86