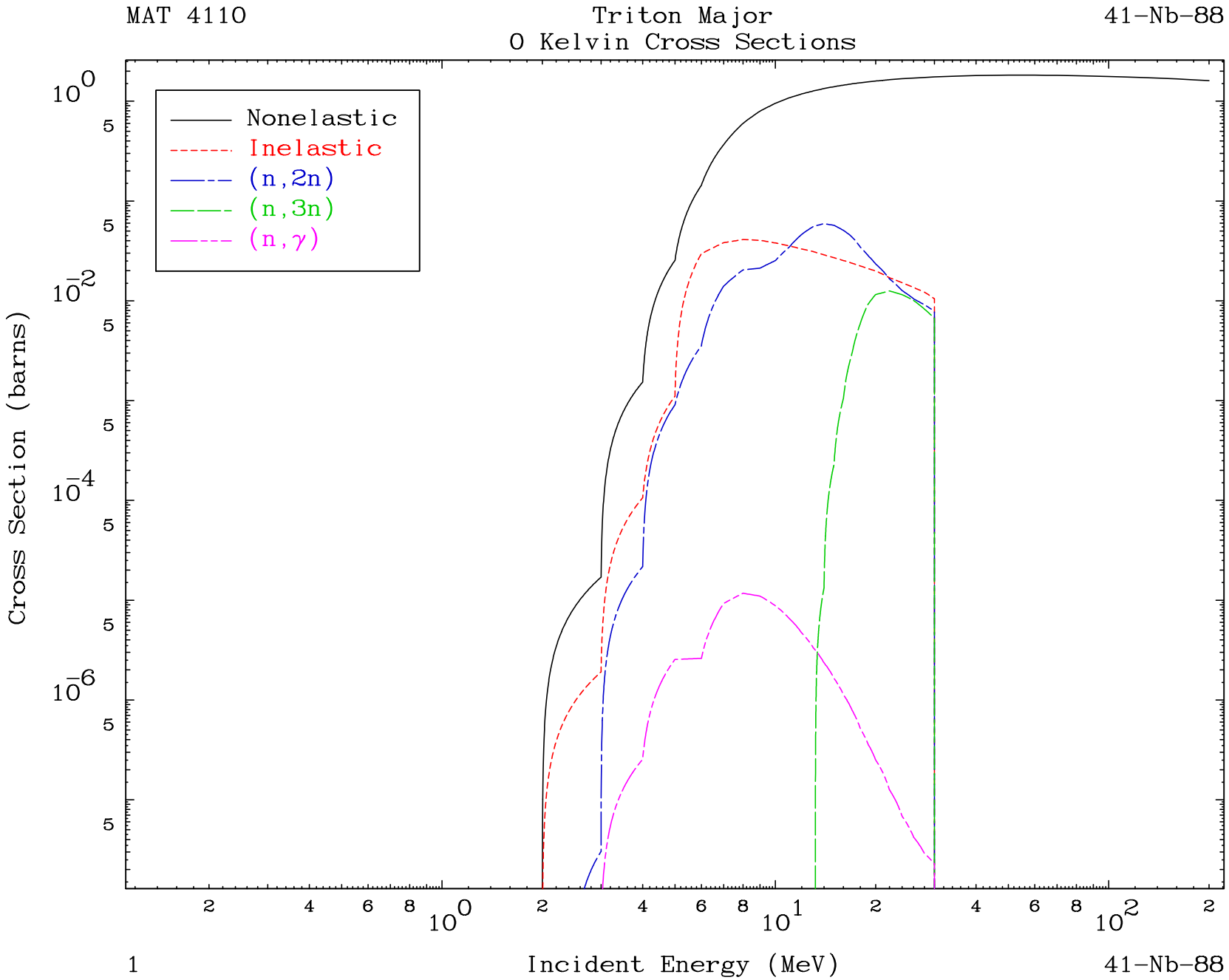
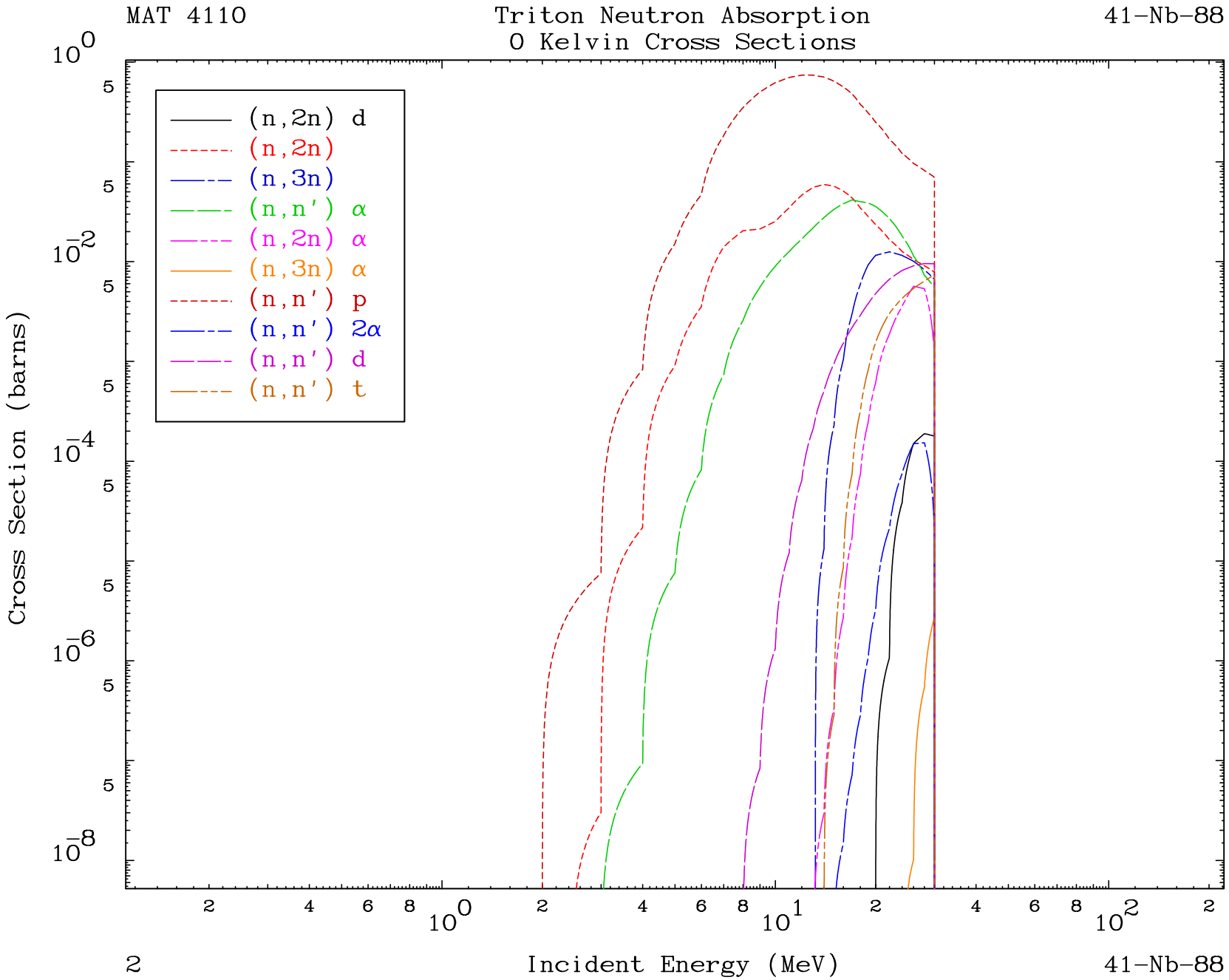
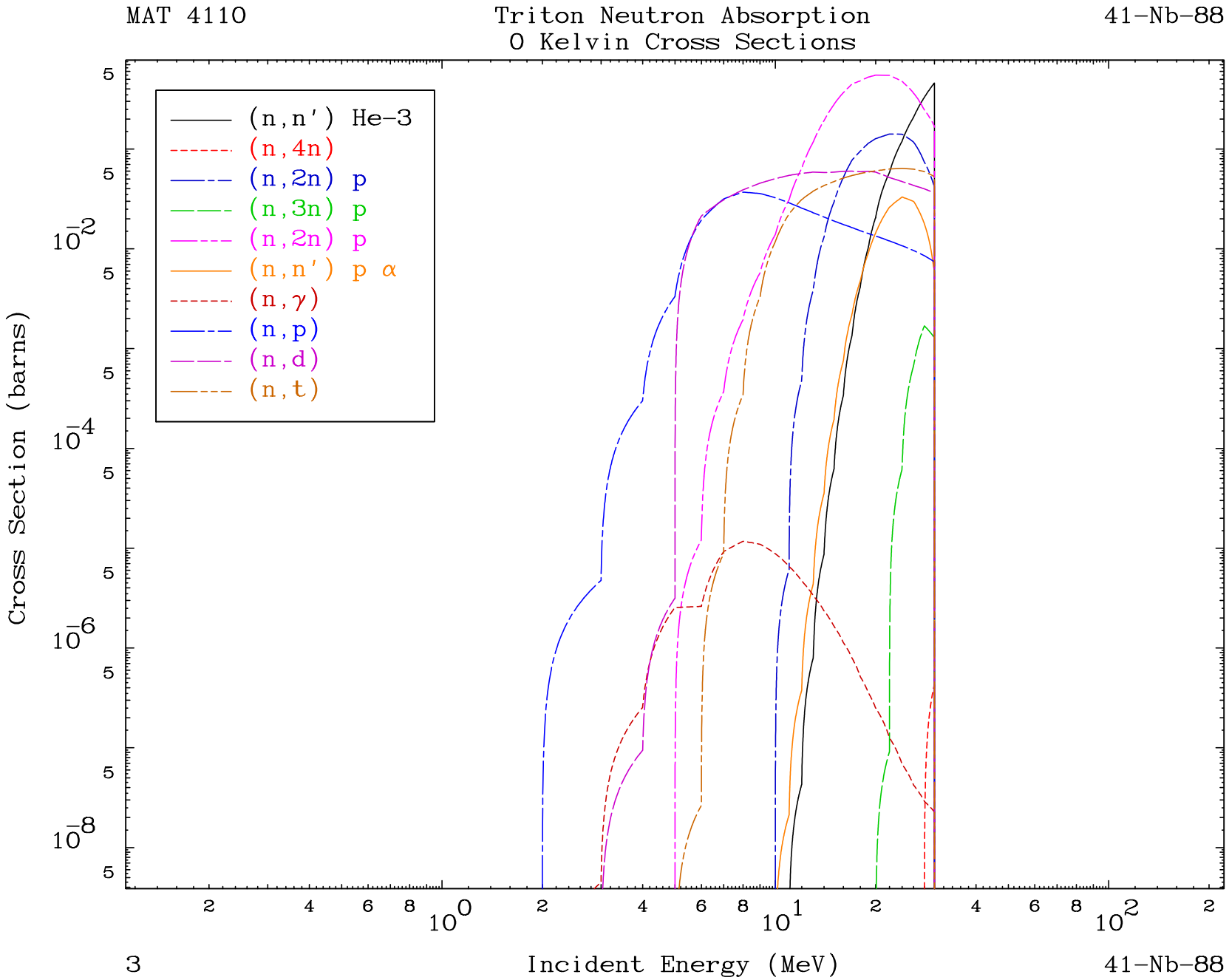
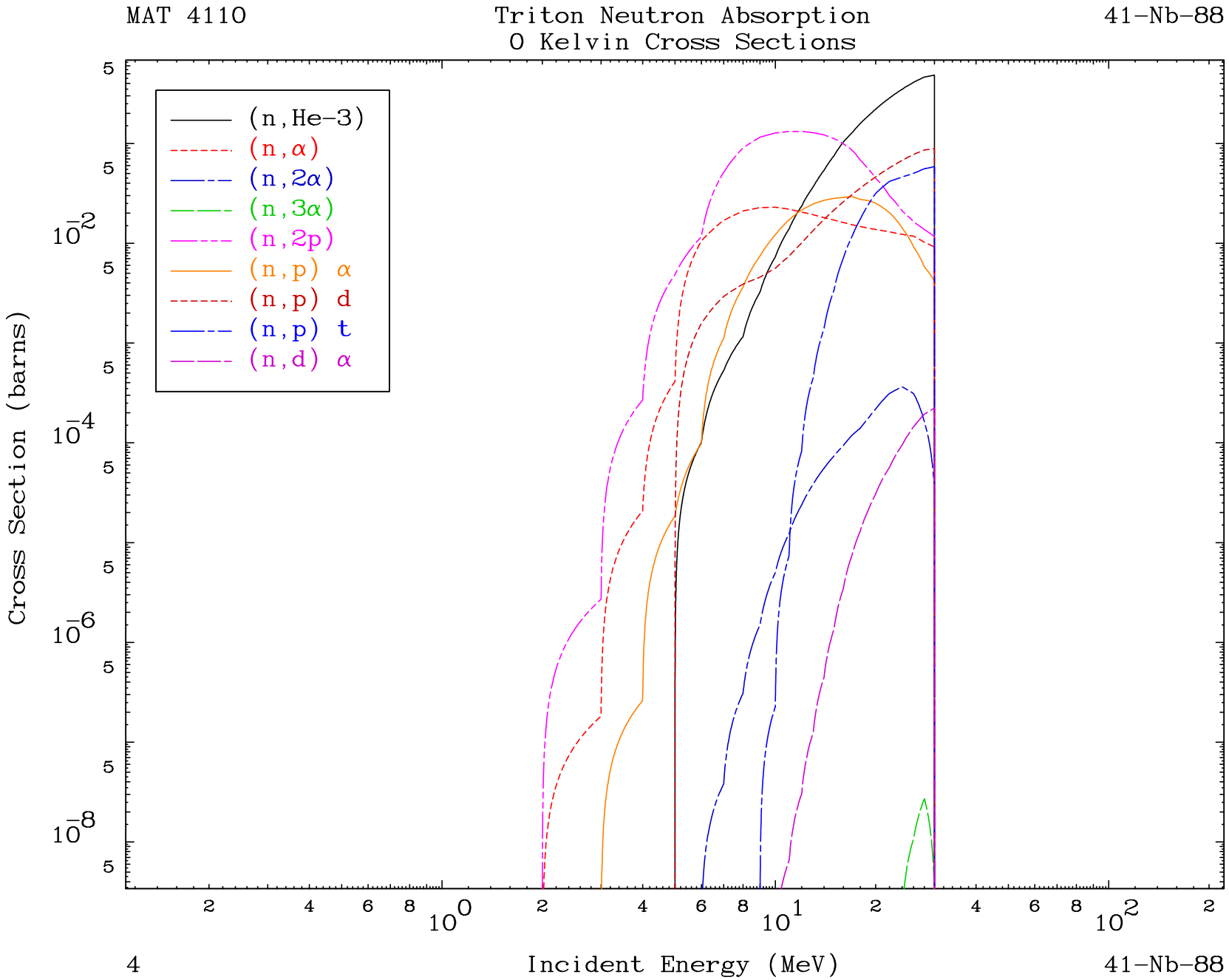
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

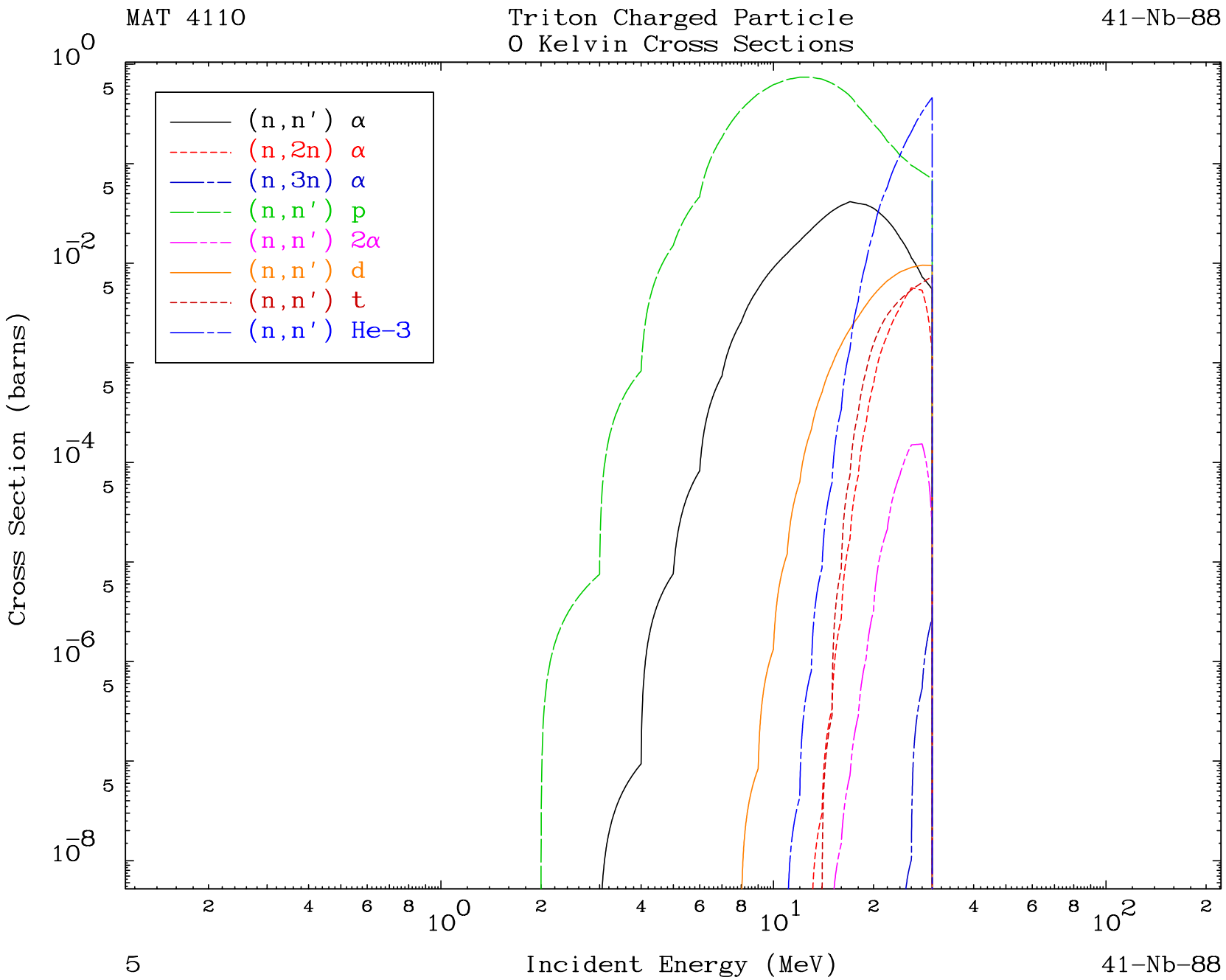
Press Mouse Button to Start

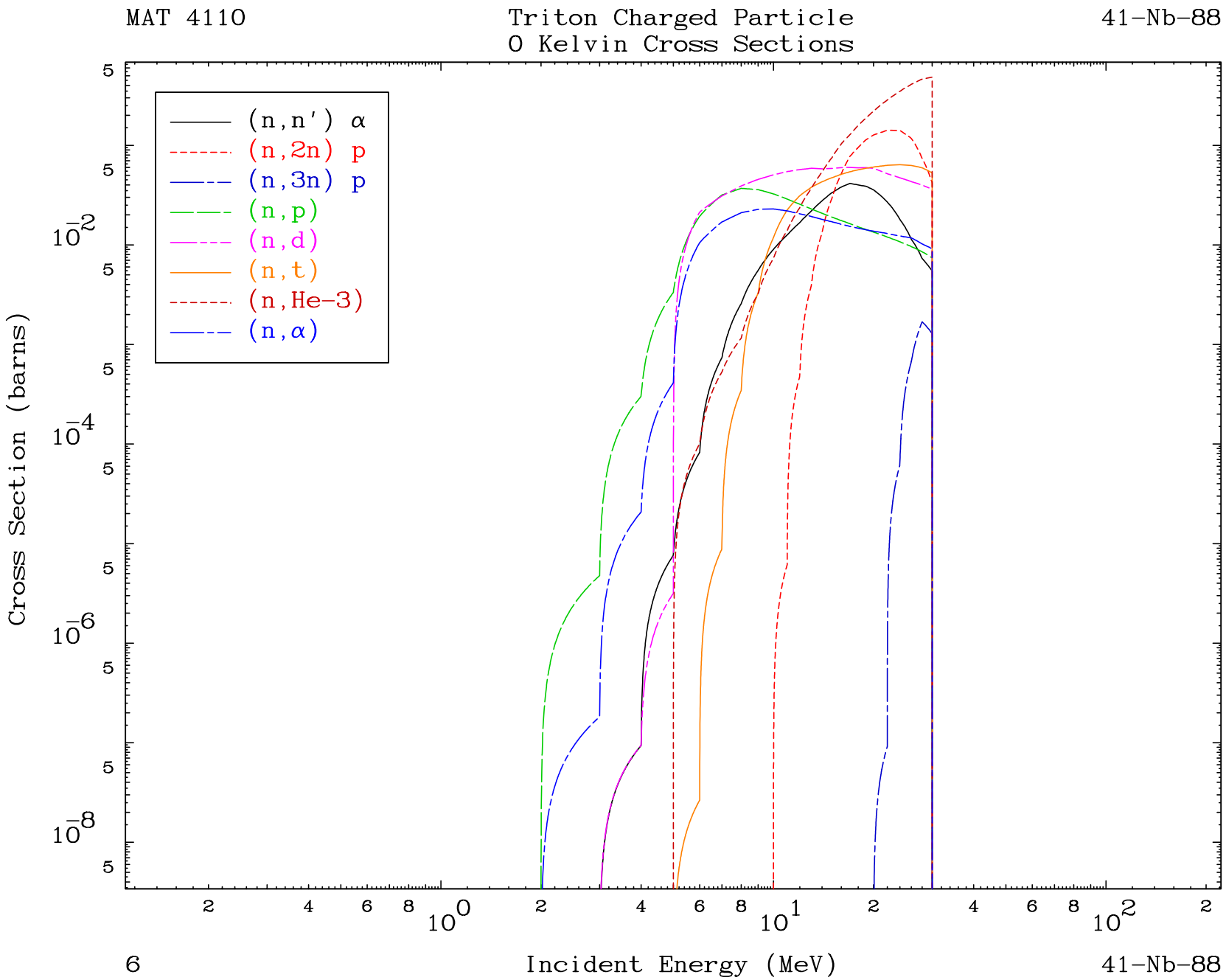

MAT 4110
Triton Major
41-Nb-88
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
41-Nb-88
1

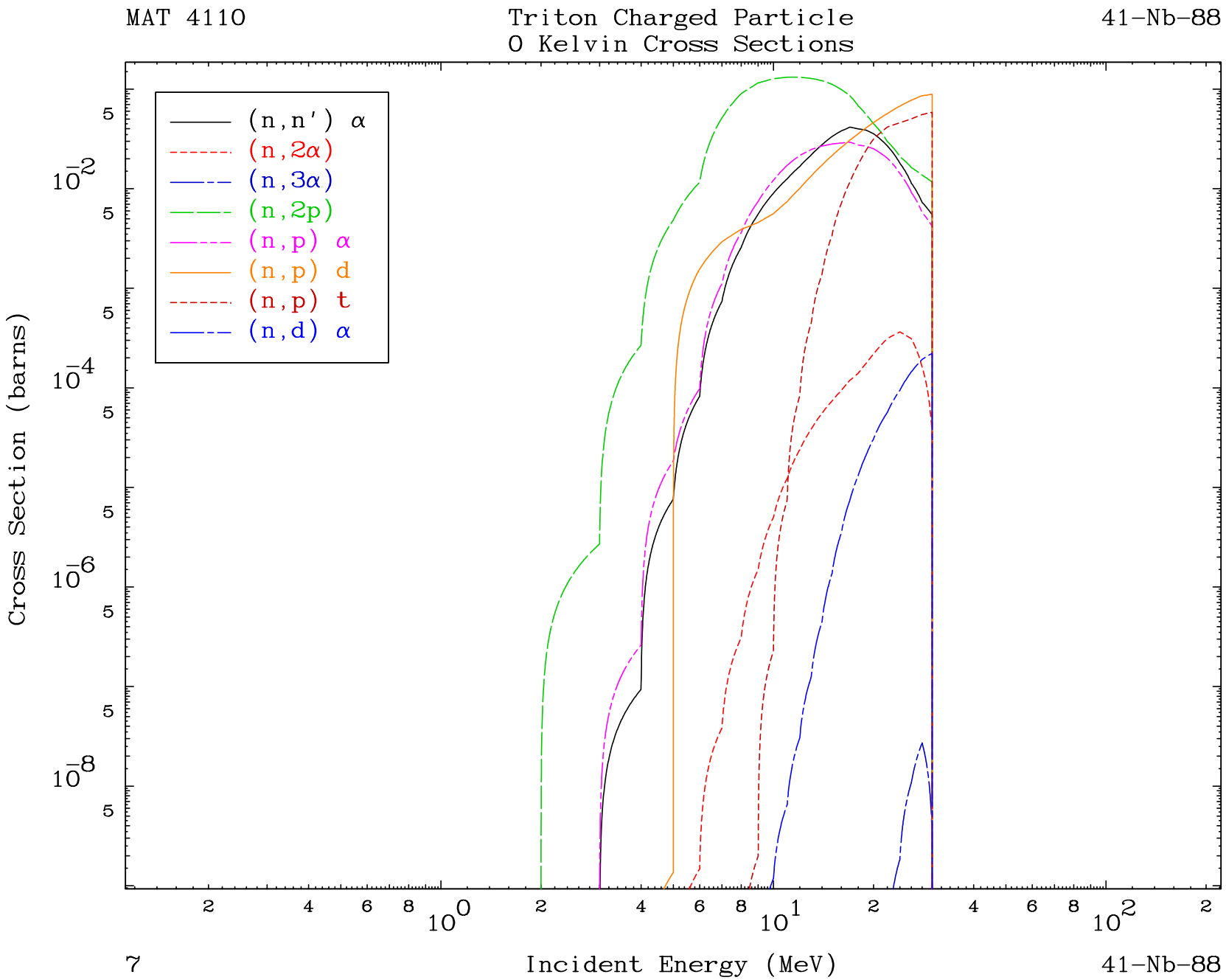

MAT 4110
Triton Neutron Absorption
0 Kelvin Cross Sections
41-Nb-88
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
41-Nb-88
2

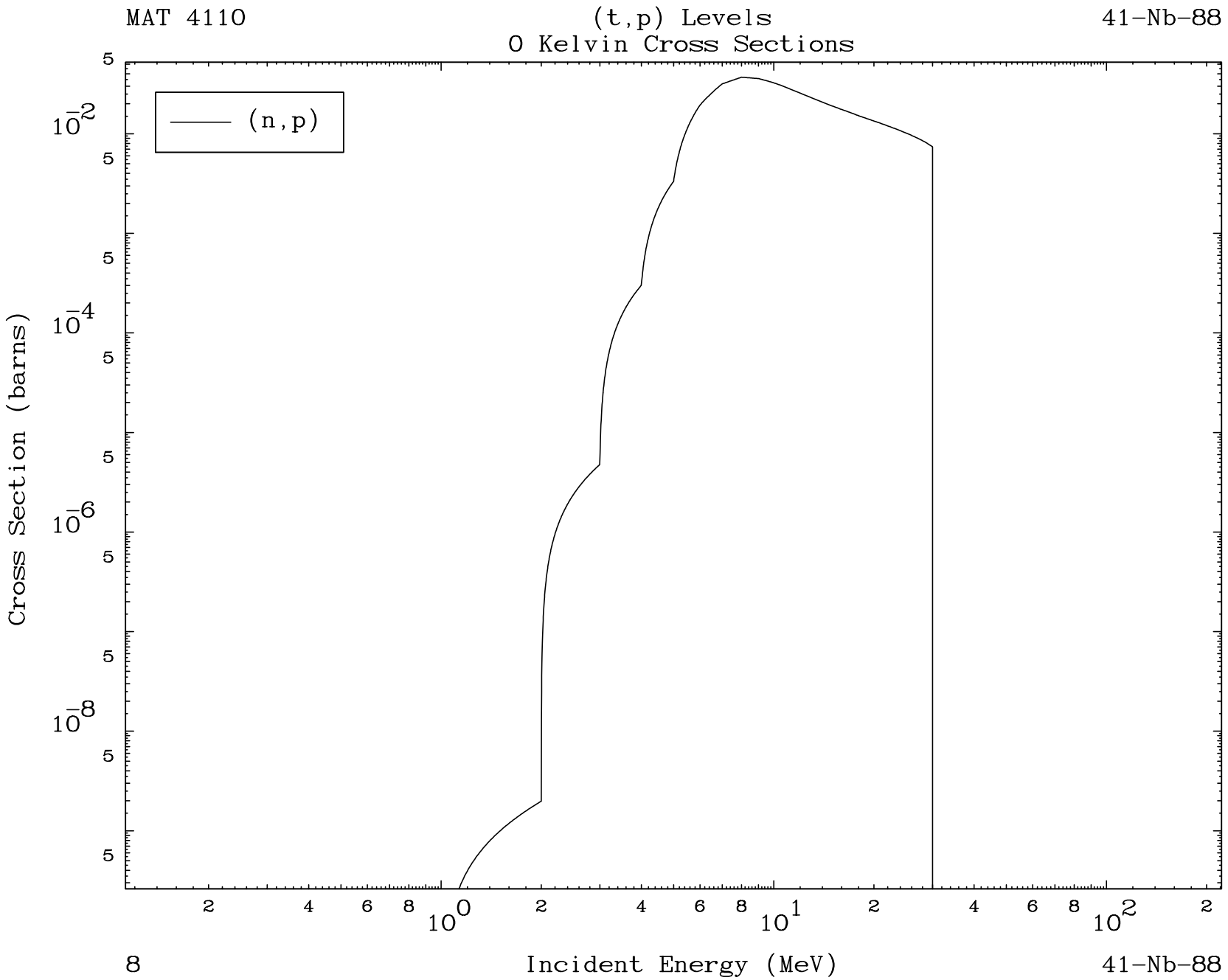

MAT 4110
Triton Neutron Absorption
0 Kelvin Cross Sections
41-Nb-88
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
41-Nb-88

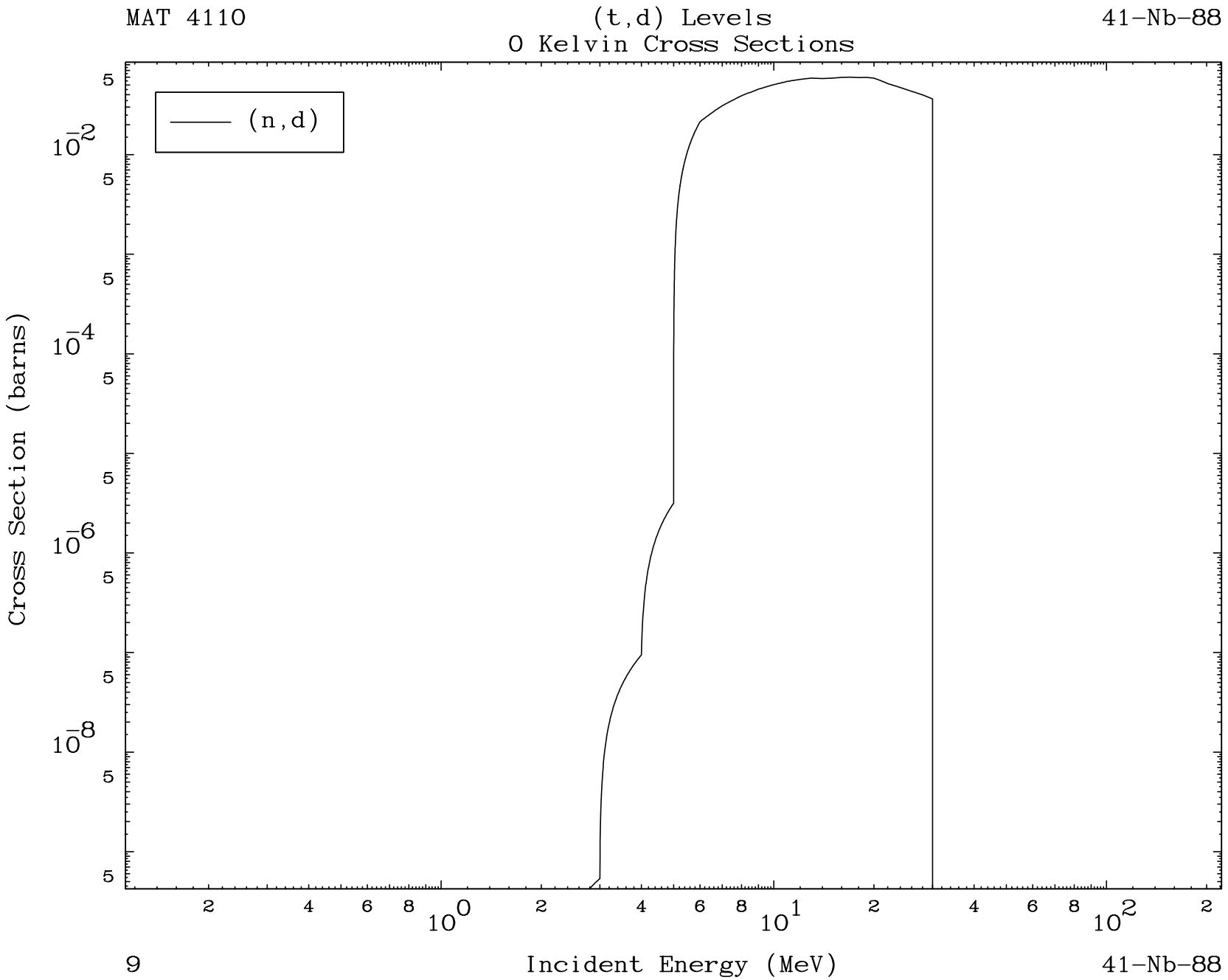

MAT 4110
Triton Neutron Absorption
0 Kelvin Cross Sections
41-Nb-88
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
41-Nb-88

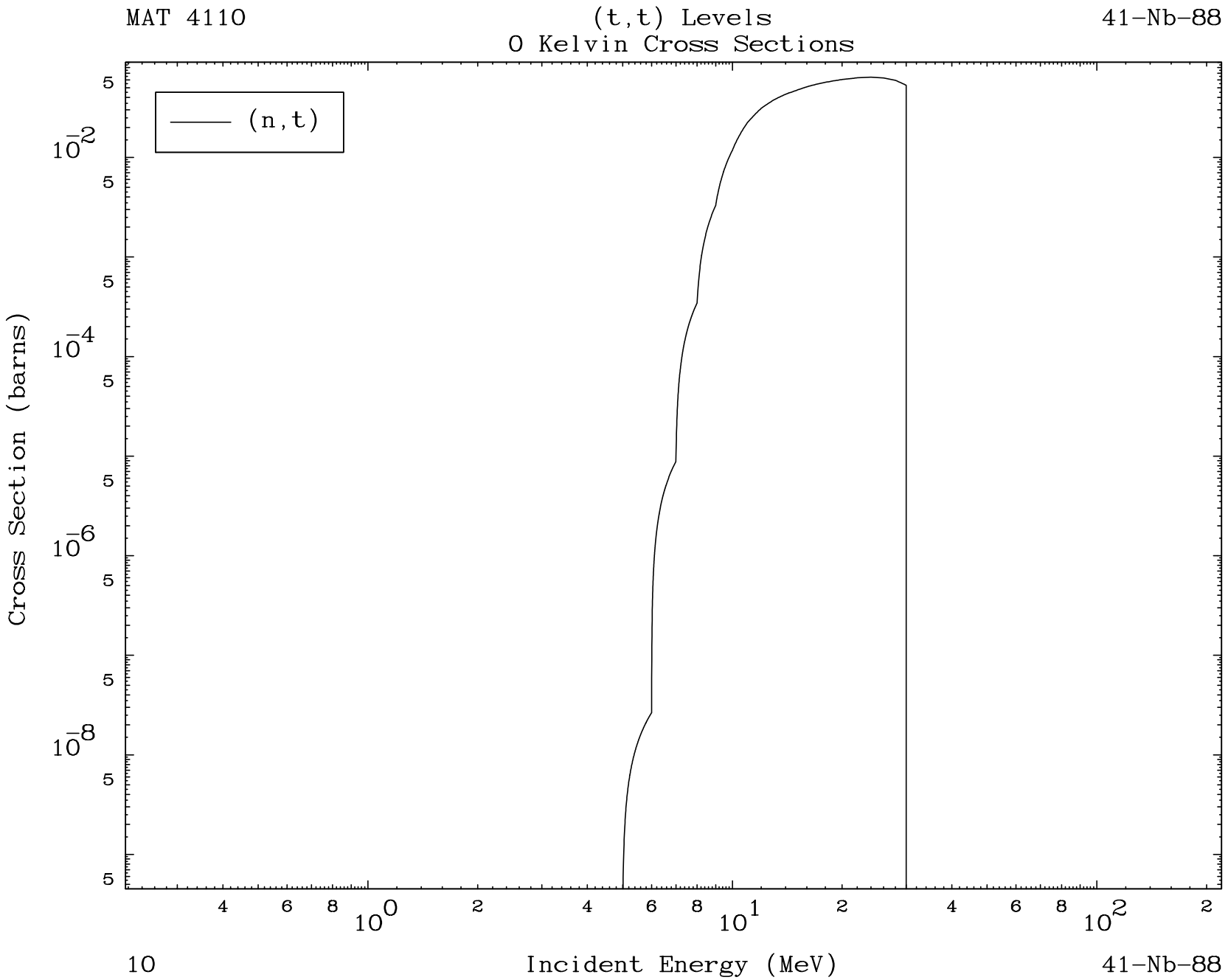

MAT 4110
Triton Charged Particle
0 Kelvin Cross Sections
41-Nb-88
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
41-Nb-88
5

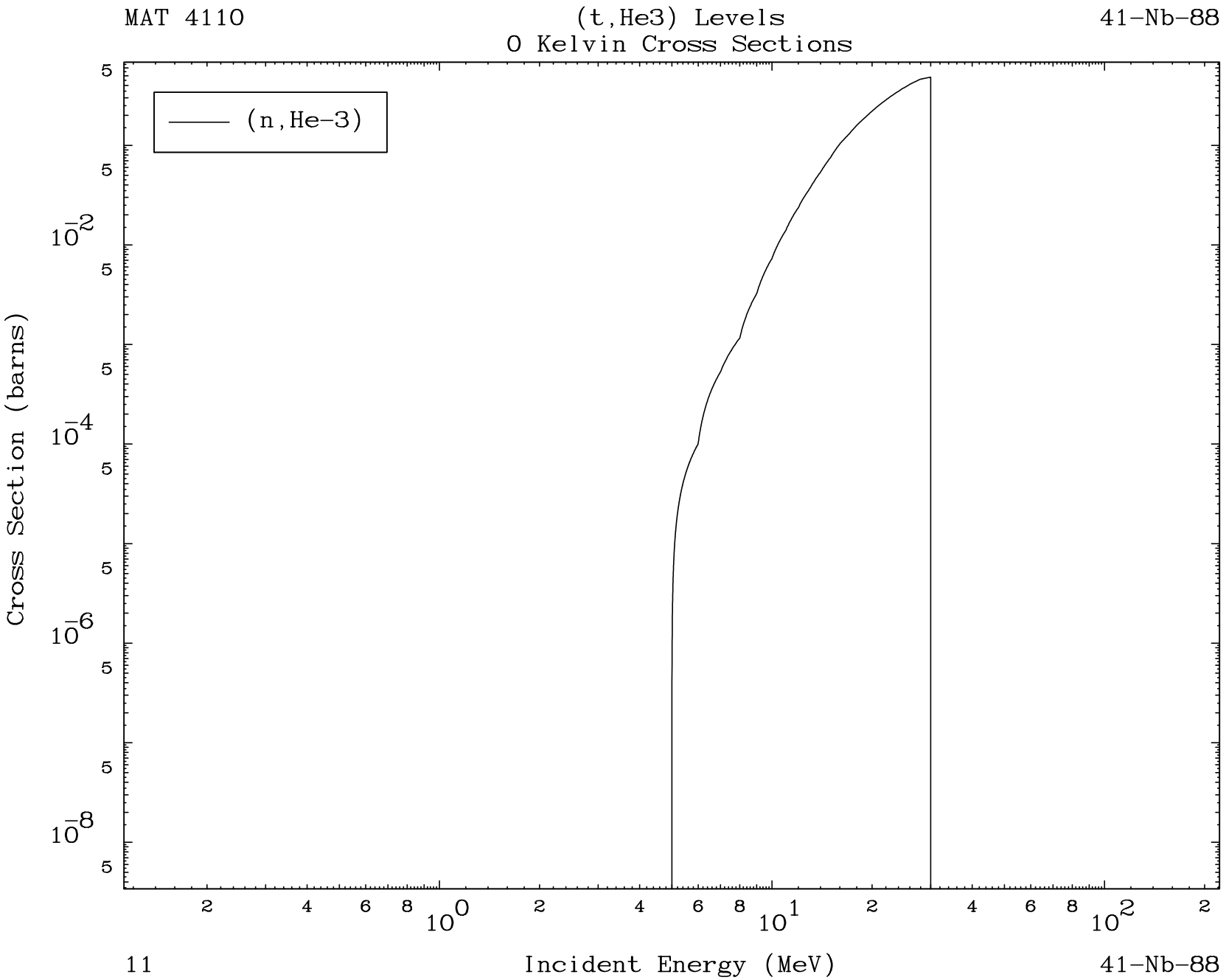

MAT 4110
Triton Charged Particle
0 Kelvin Cross Sections
41-Nb-88
(n,n') α
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
Cross Section (barns)
Incident Energy (MeV)
6
41-Nb-88

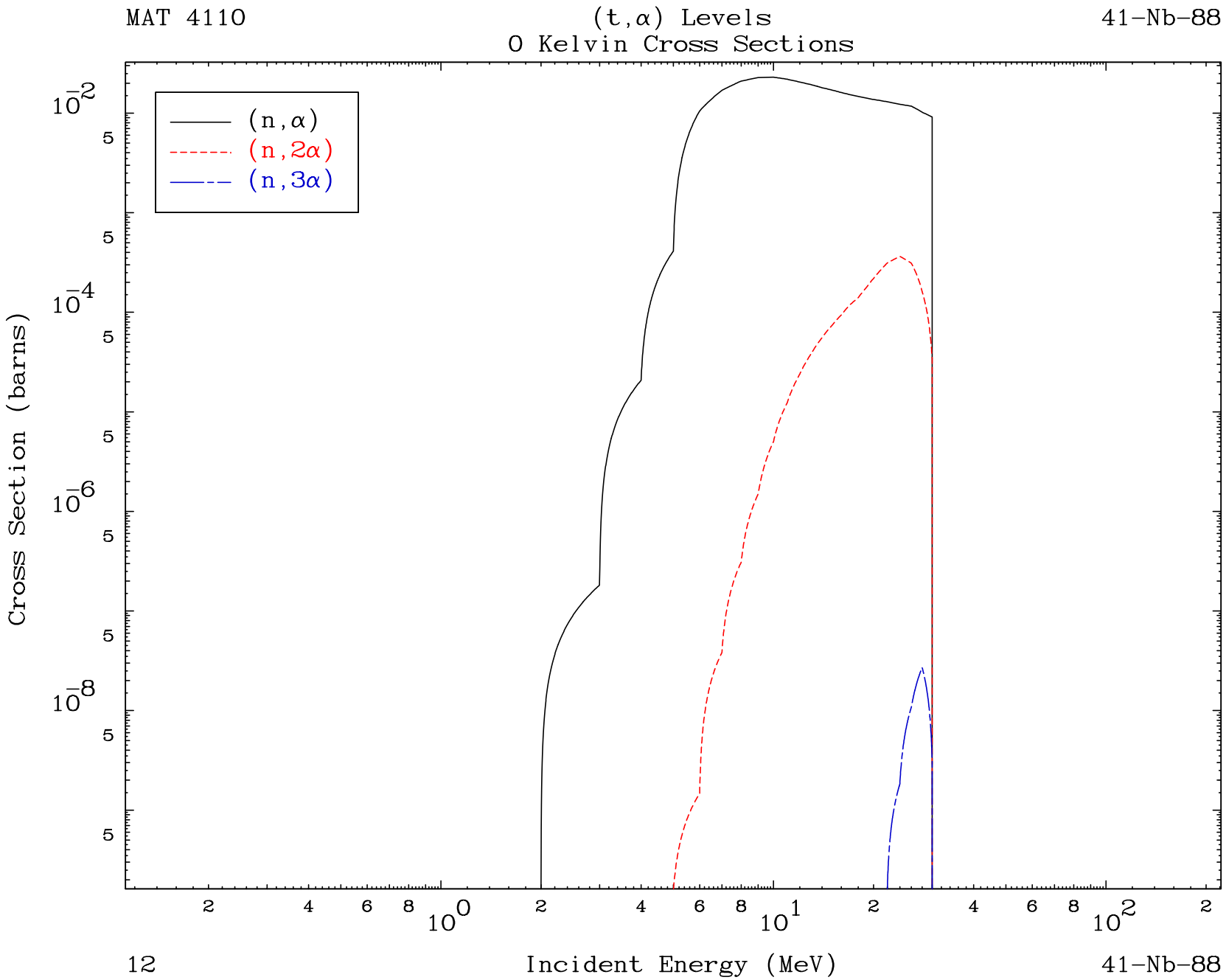

MAT 4110
Triton Charged Particle
0 Kelvin Cross Sections
41-Nb-88
(n,n') α
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
7
41-Nb-88

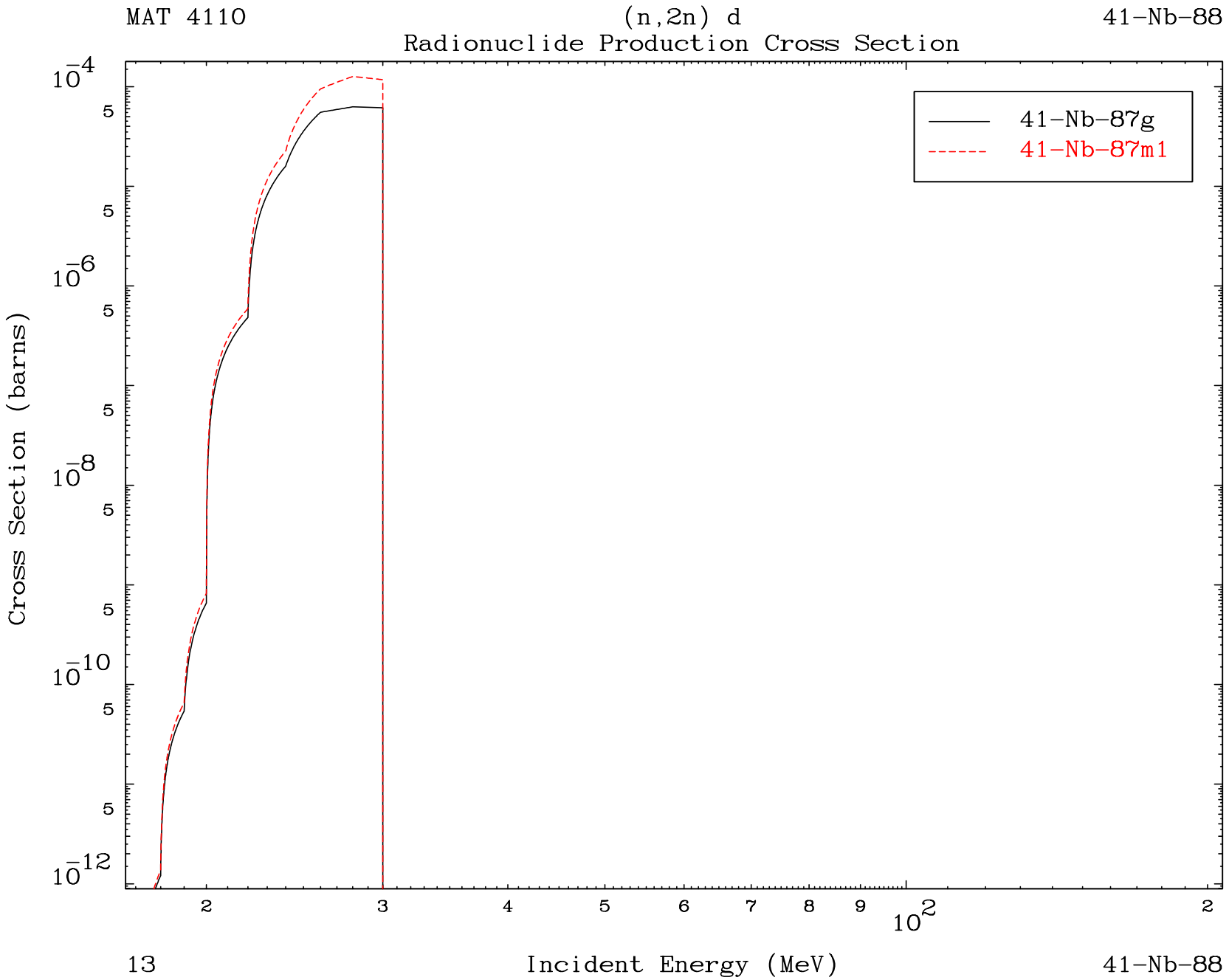

MAT 4110
(t,p) Levels
41-Nb-88
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
8
41-Nb-88

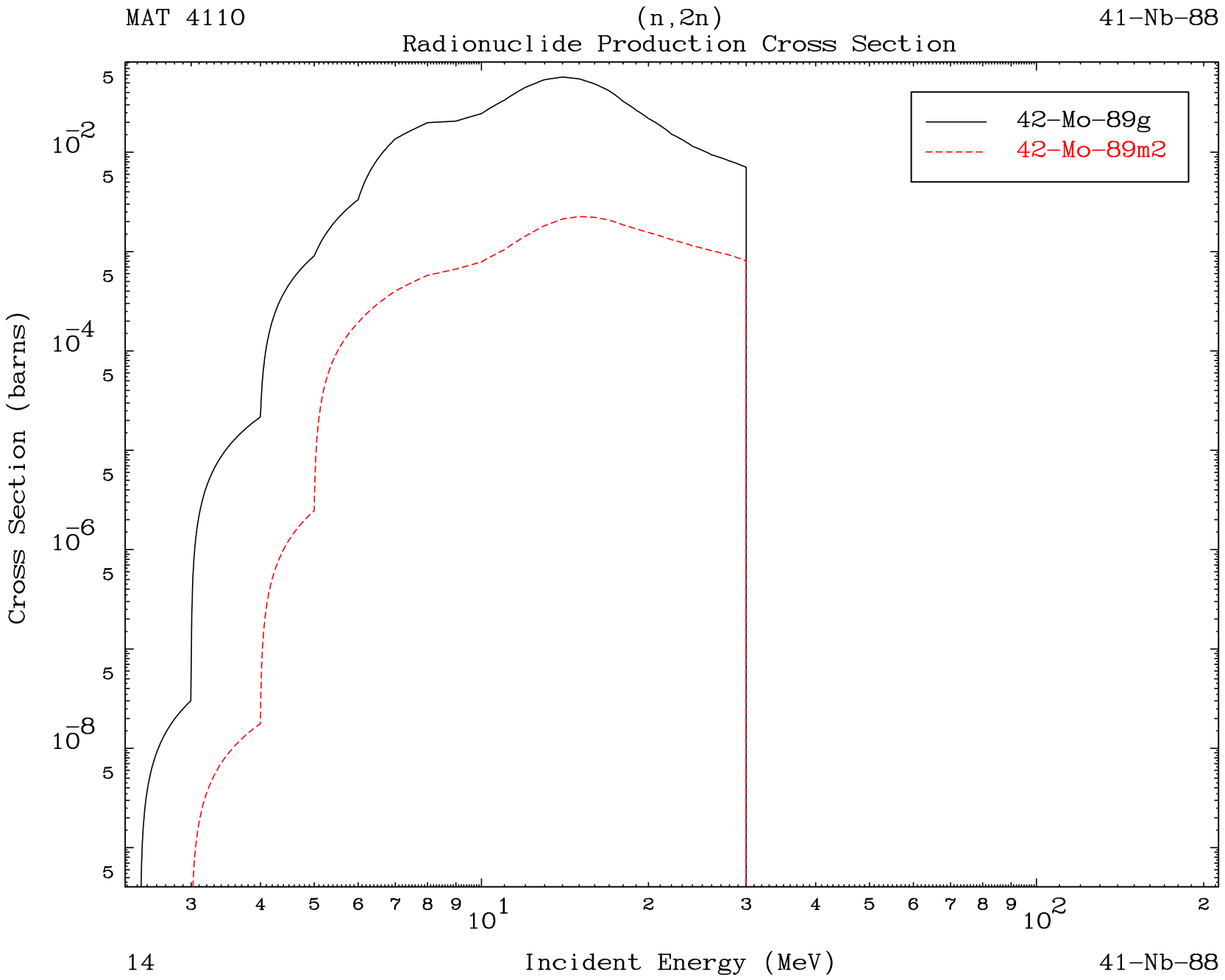

MAT 4110
(t,d) Levels
41-Nb-88
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
41-Nb-88

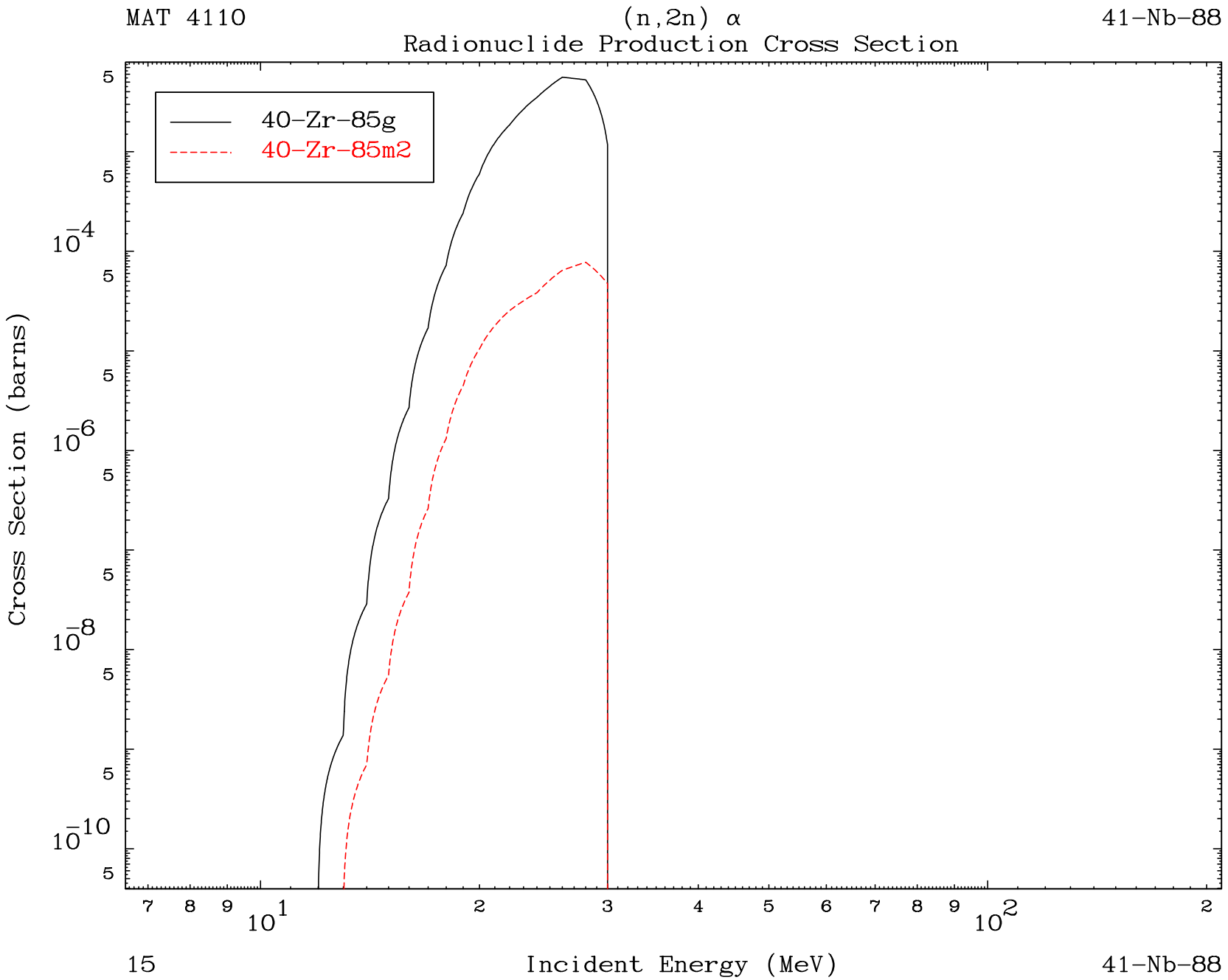

MAT 4110
(t,t) Levels
41-Nb-88
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
41-Nb-88

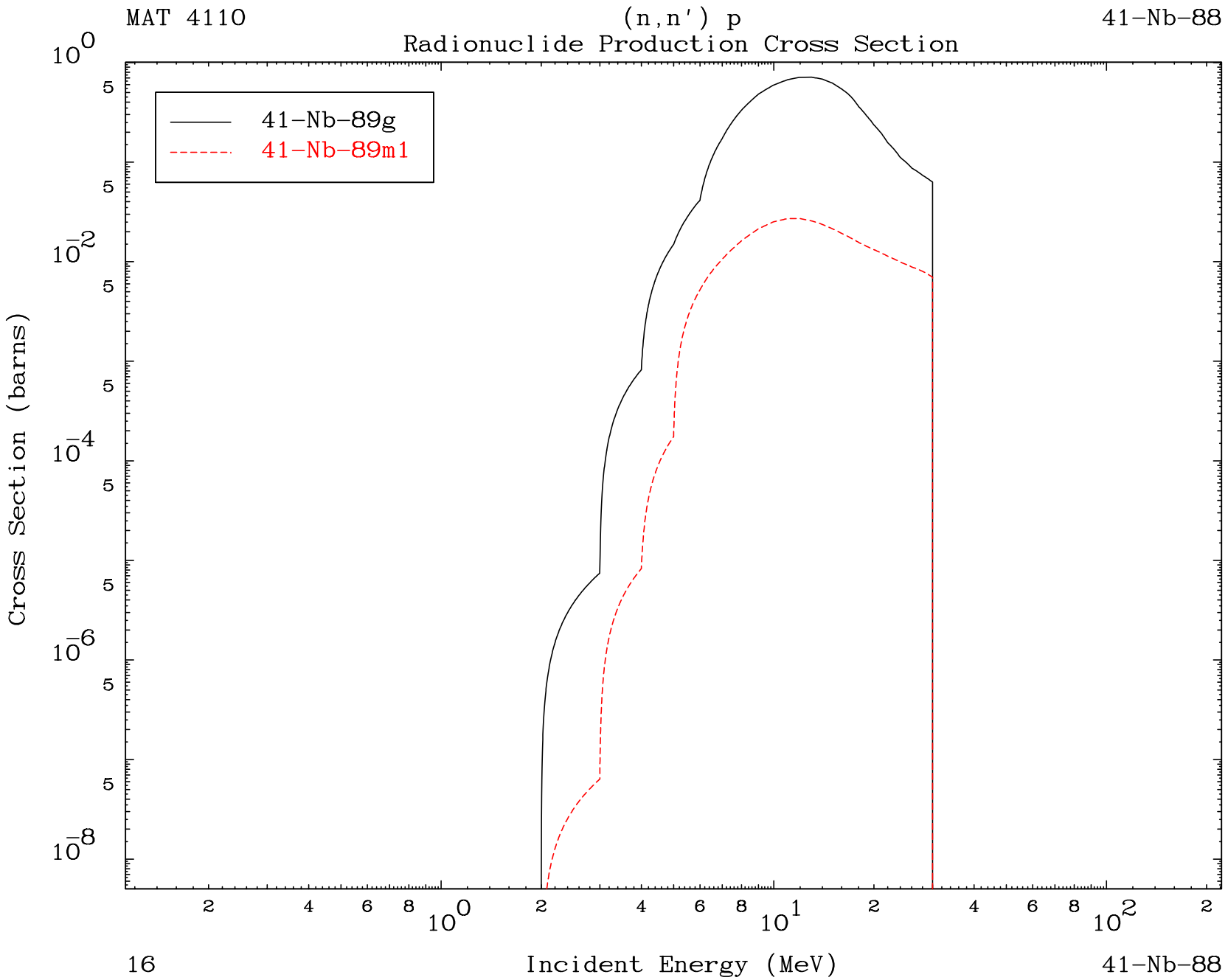

MAT 4110
(t,He3) Levels
41-Nb-88
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
41-Nb-88

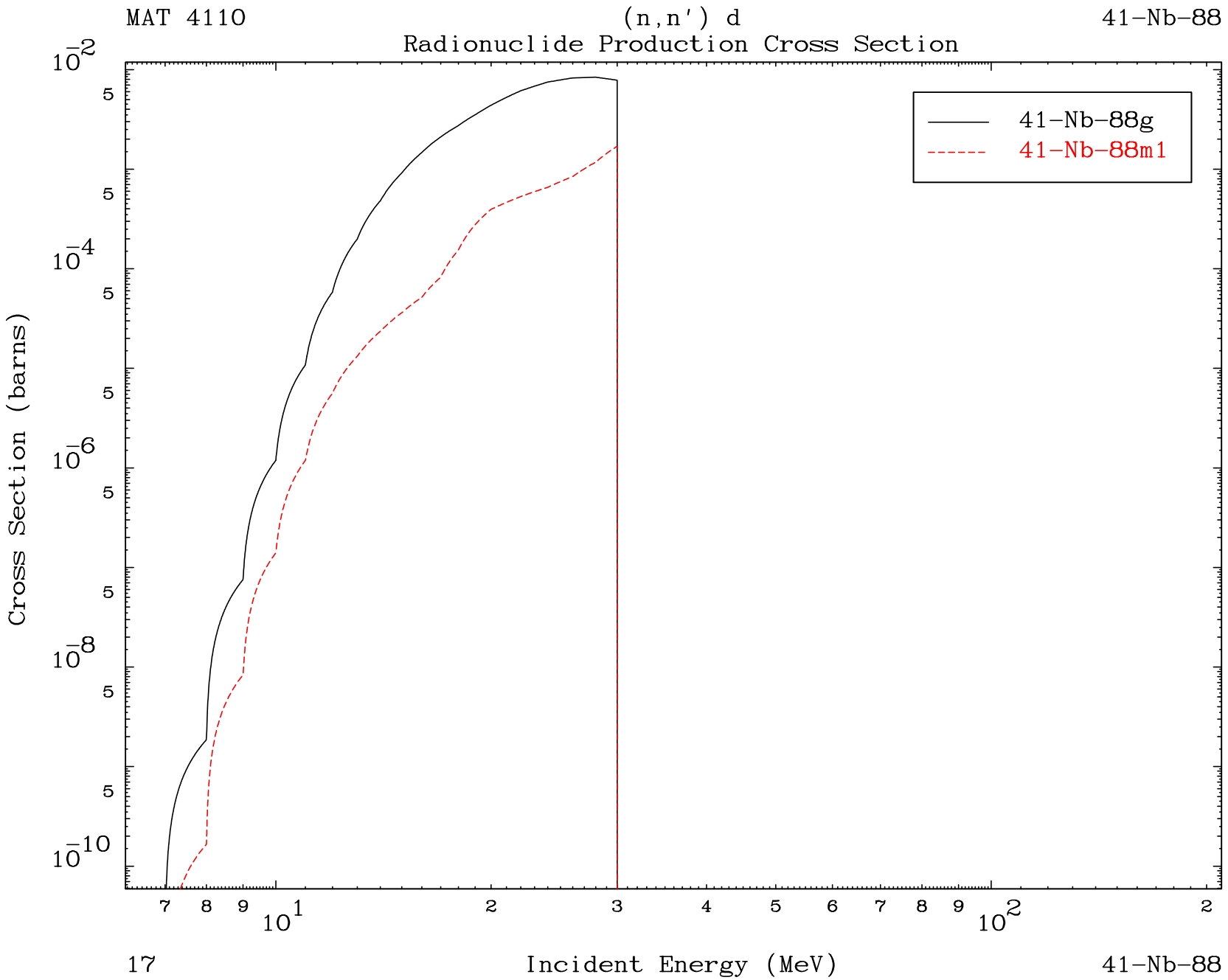

MAT 4110
(t,α) Levels
41-Nb-88
0 Kelvin Cross Sections
(n,α)
(n,2α)
(n,3α)
Cross Section (barns)
Incident Energy (MeV)
12
41-Nb-88

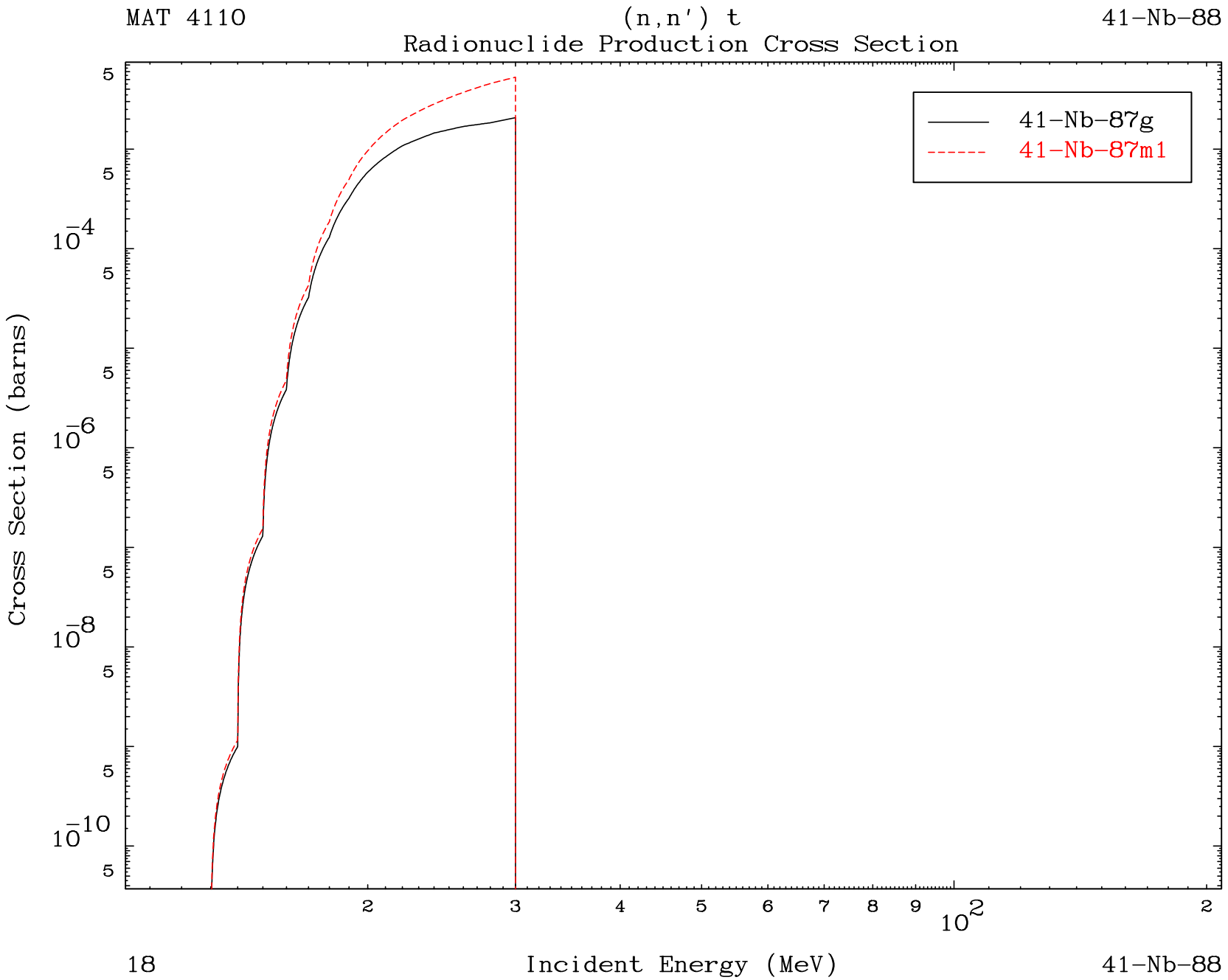

MAT 4110
(n,2n) d
41-Nb-88
Radionuclide Production Cross Section
41-Nb-87g
41-Nb-87m1
Cross Section (barns)
Incident Energy (MeV)
13
41-Nb-88

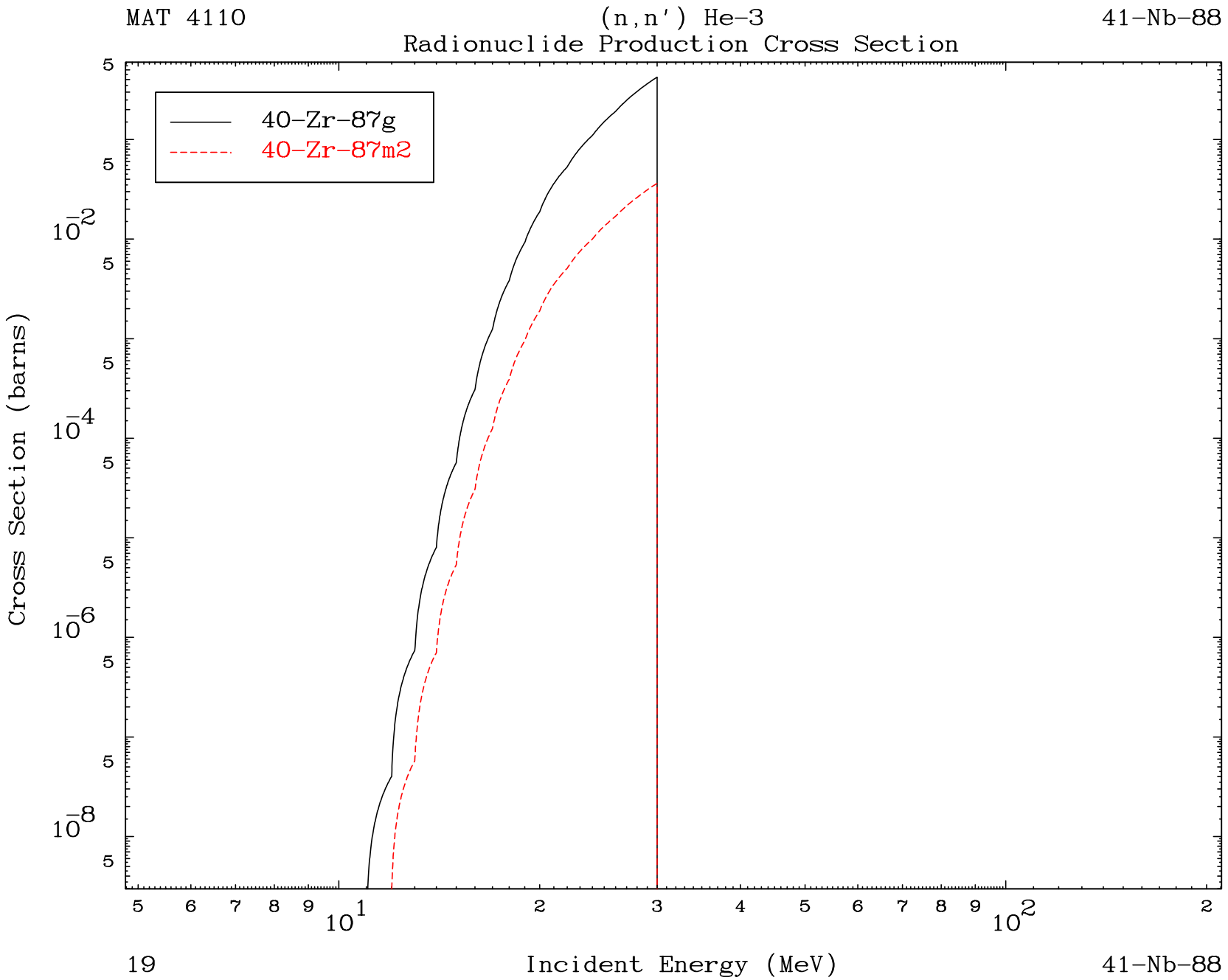

MAT 4110
(n,2n)
41-Nb-88
Radionuclide Production Cross Section
42-Mo-89g
42-Mo-89m2
Cross Section (barns)
Incident Energy (MeV)
14
41-Nb-88

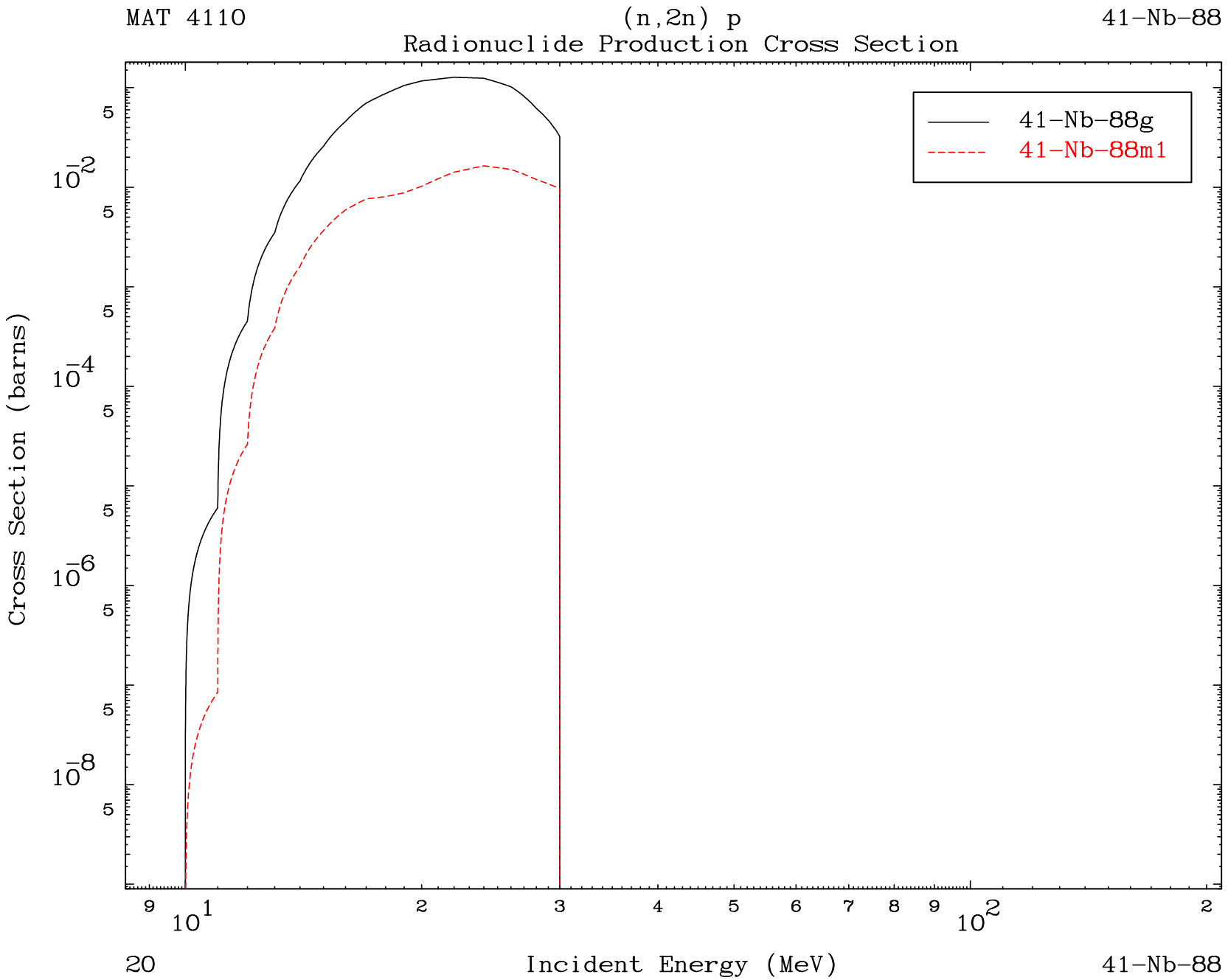

MAT 4110
(n,2n) α
41-Nb-88
Radionuclide Production Cross Section
40-Zr-85g
40-Zr-85m2
Cross Section (barns)
Incident Energy (MeV)
15
41-Nb-88

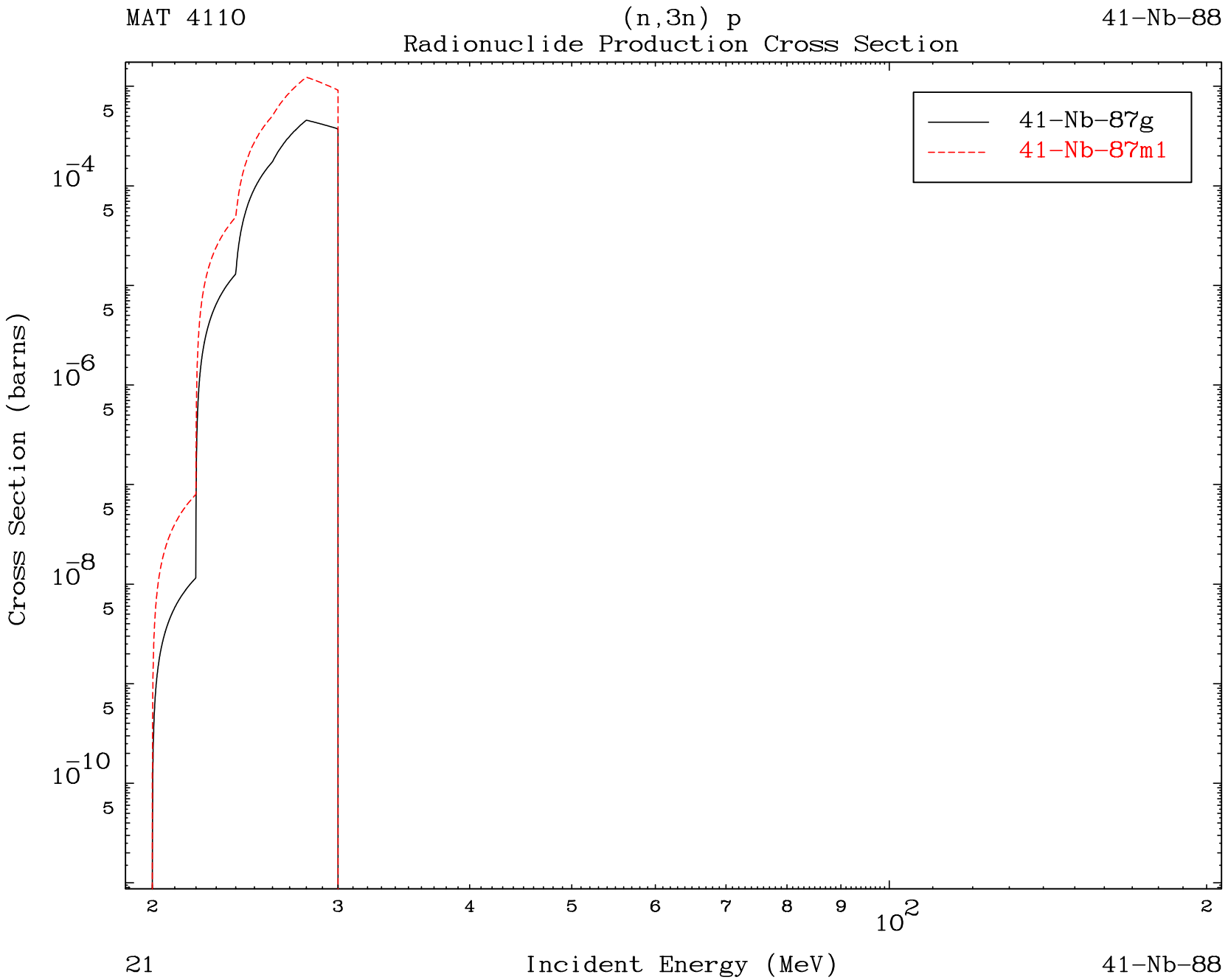

MAT 4110
(n,n') p
41-Nb-88
Radionuclide Production Cross Section
41-Nb-89g
41-Nb-89m1
Cross Section (barns)
Incident Energy (MeV)
16
41-Nb-88

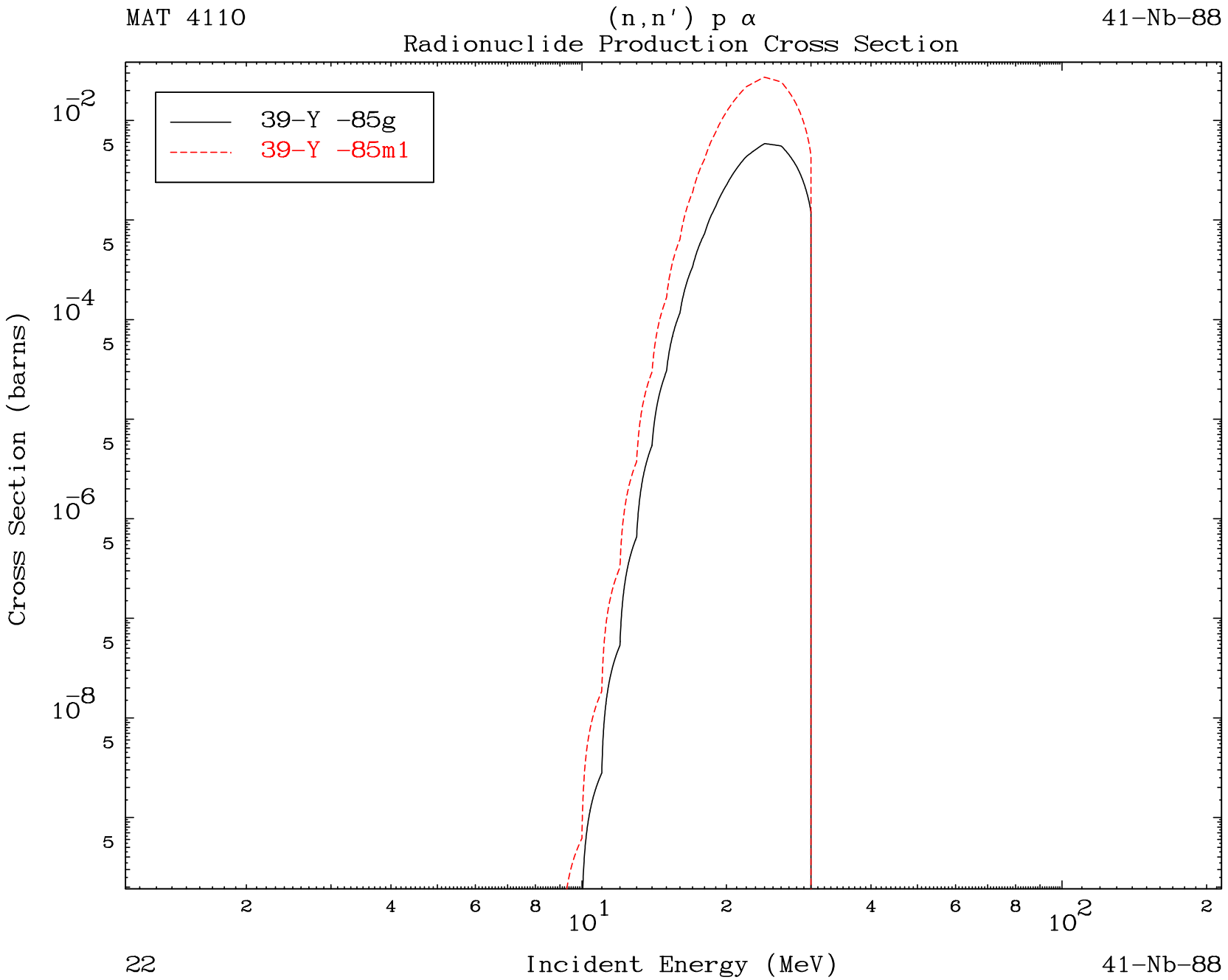

MAT 4110
(n,n') d
41-Nb-88
Radionuclide Production Cross Section
41-Nb-88g
41-Nb-88m1
Cross Section (barns)
Incident Energy (MeV)
17
41-Nb-88

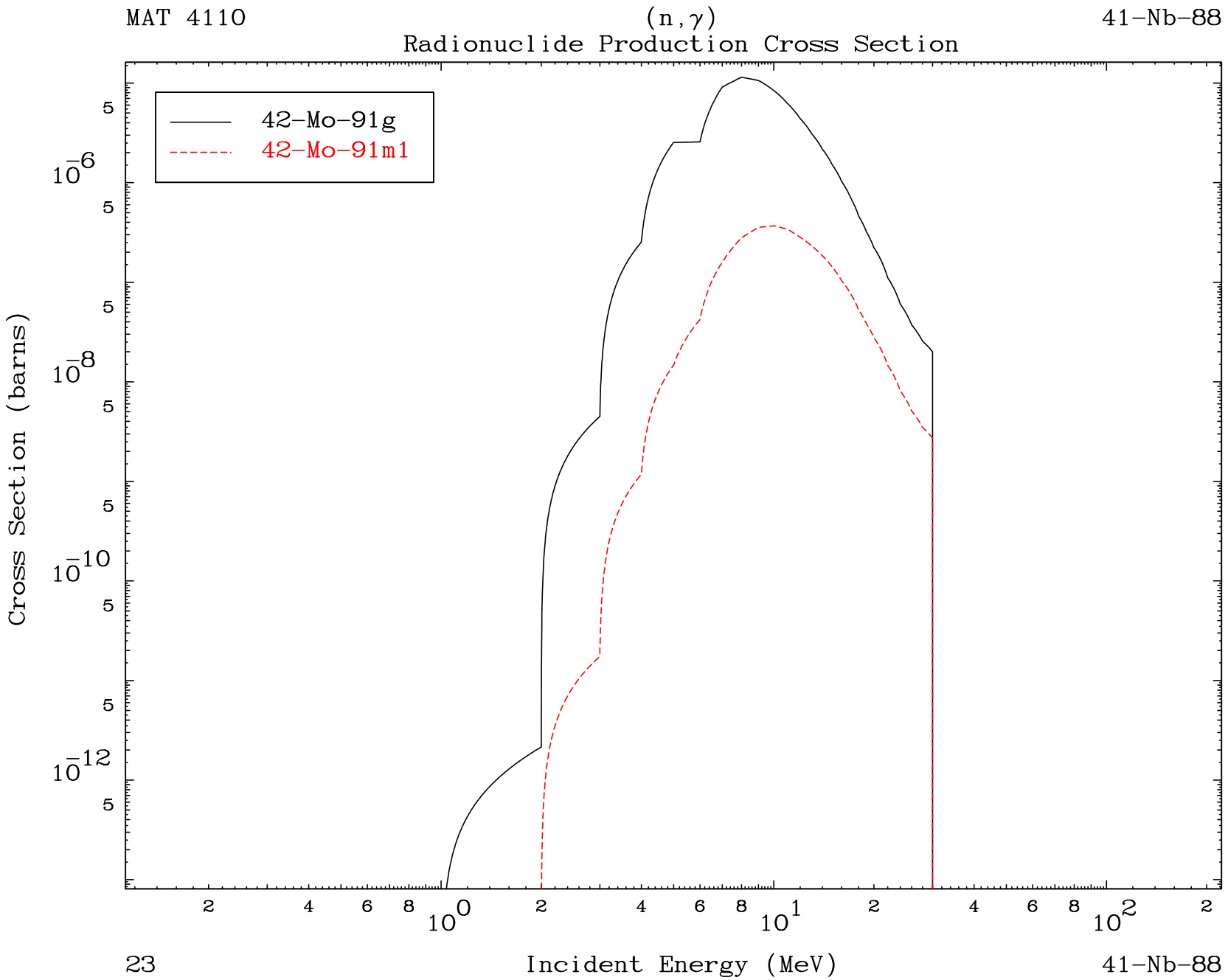

MAT 4110
(n,n') t
41-Nb-88
Radionuclide Production Cross Section
41-Nb-87g
41-Nb-87m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
41-Nb-88

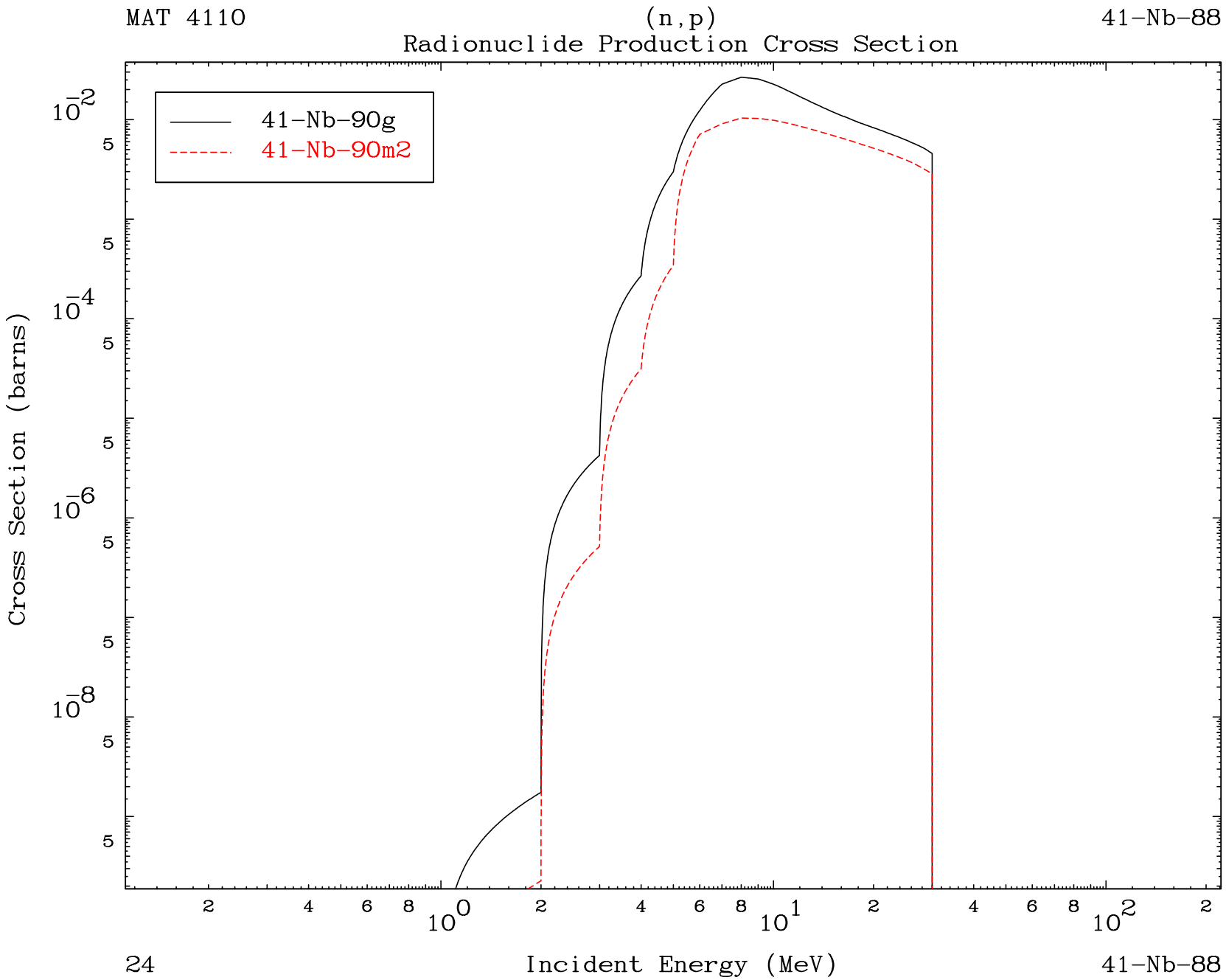

MAT 4110
(n,n') He-3
41-Nb-88
Radionuclide Production Cross Section
40-Zr-87g
40-Zr-87m2
Cross Section (barns)
Incident Energy (MeV)
19
41-Nb-88

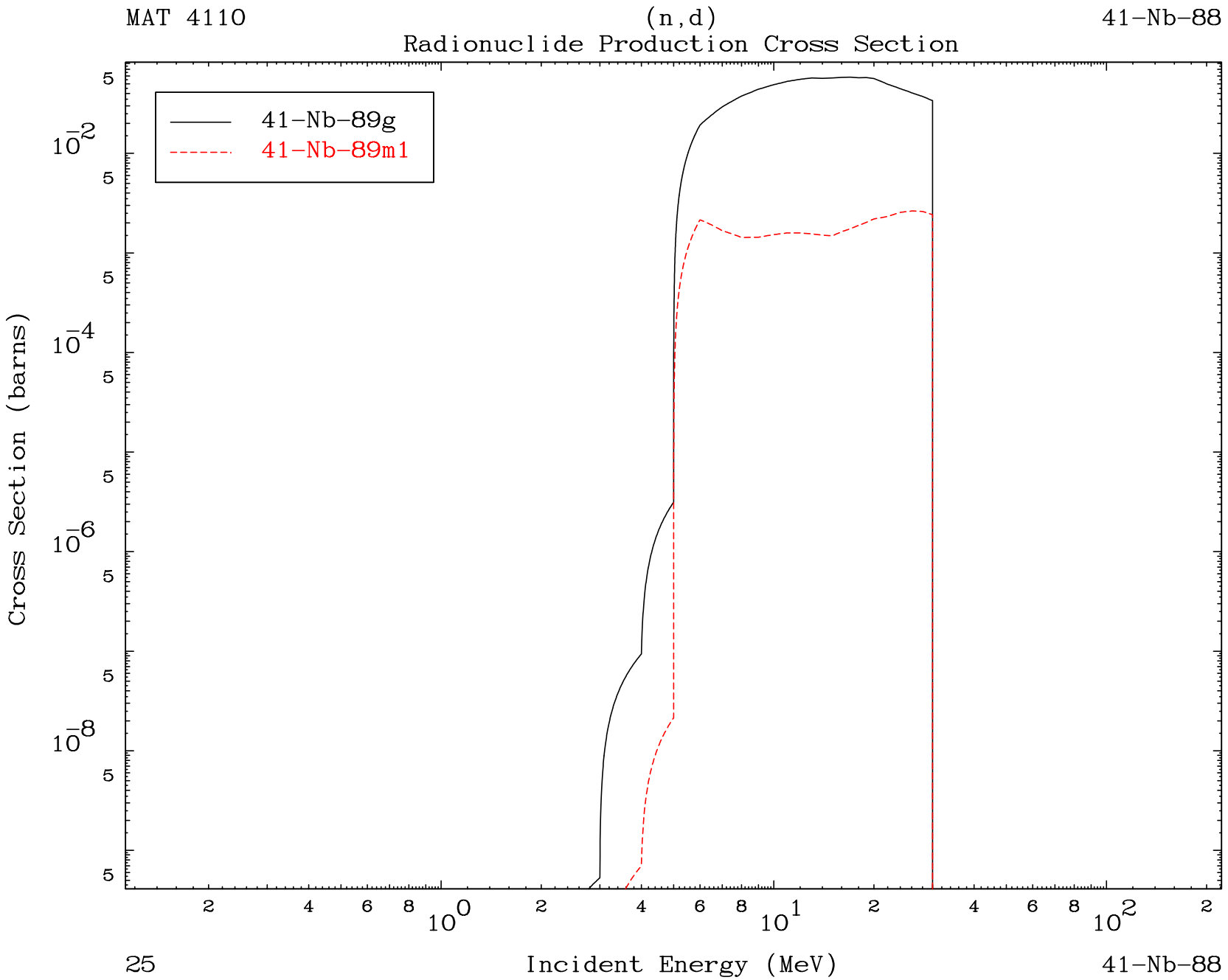

MAT 4110
(n,2n) p
41-Nb-88
Radionuclide Production Cross Section
41-Nb-88g
41-Nb-88m1
Cross Section (barns)
Incident Energy (MeV)
20
41-Nb-88

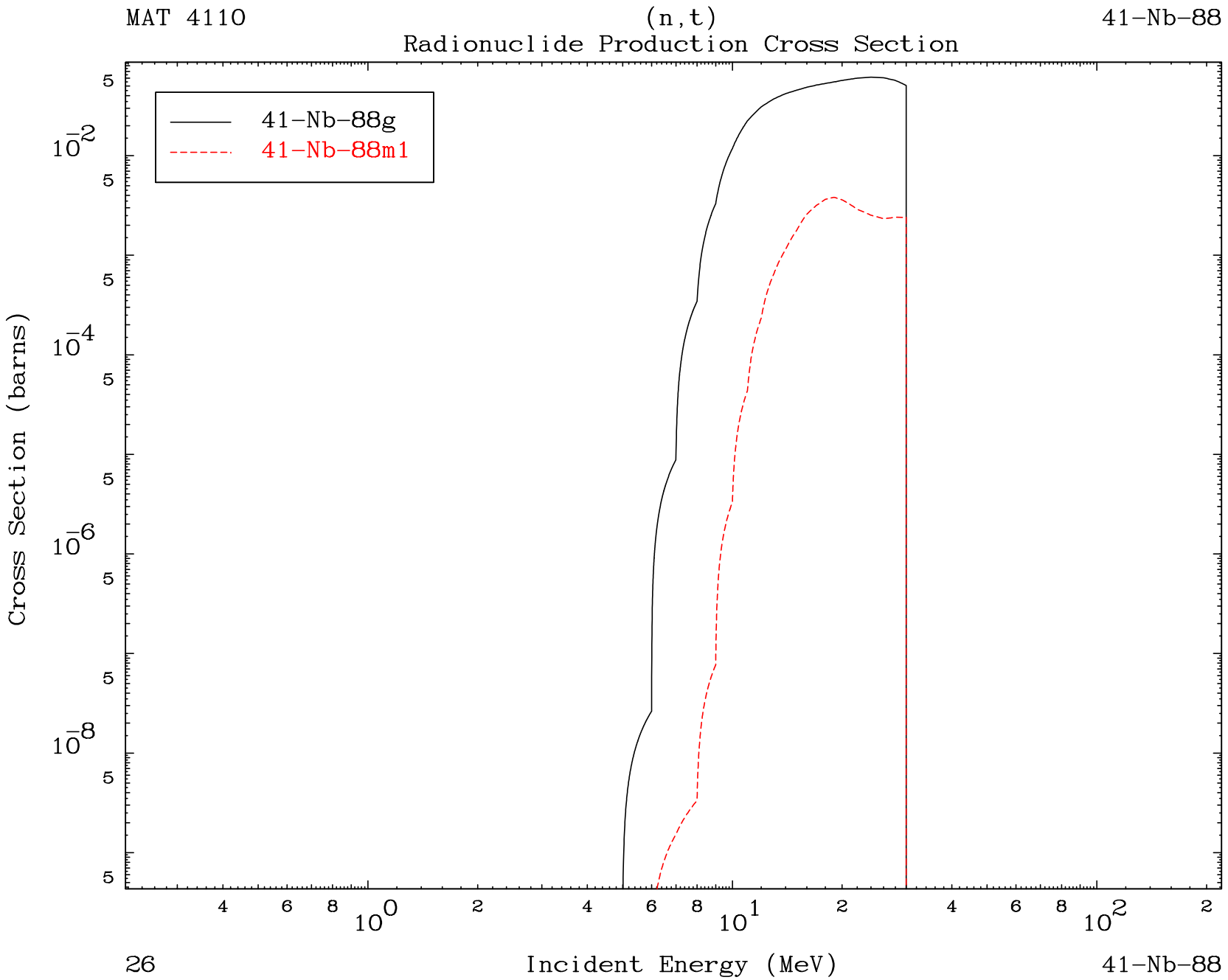

MAT 4110
(n,3n) p
41-Nb-88
Radionuclide Production Cross Section
41-Nb-87g
41-Nb-87m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
41-Nb-88

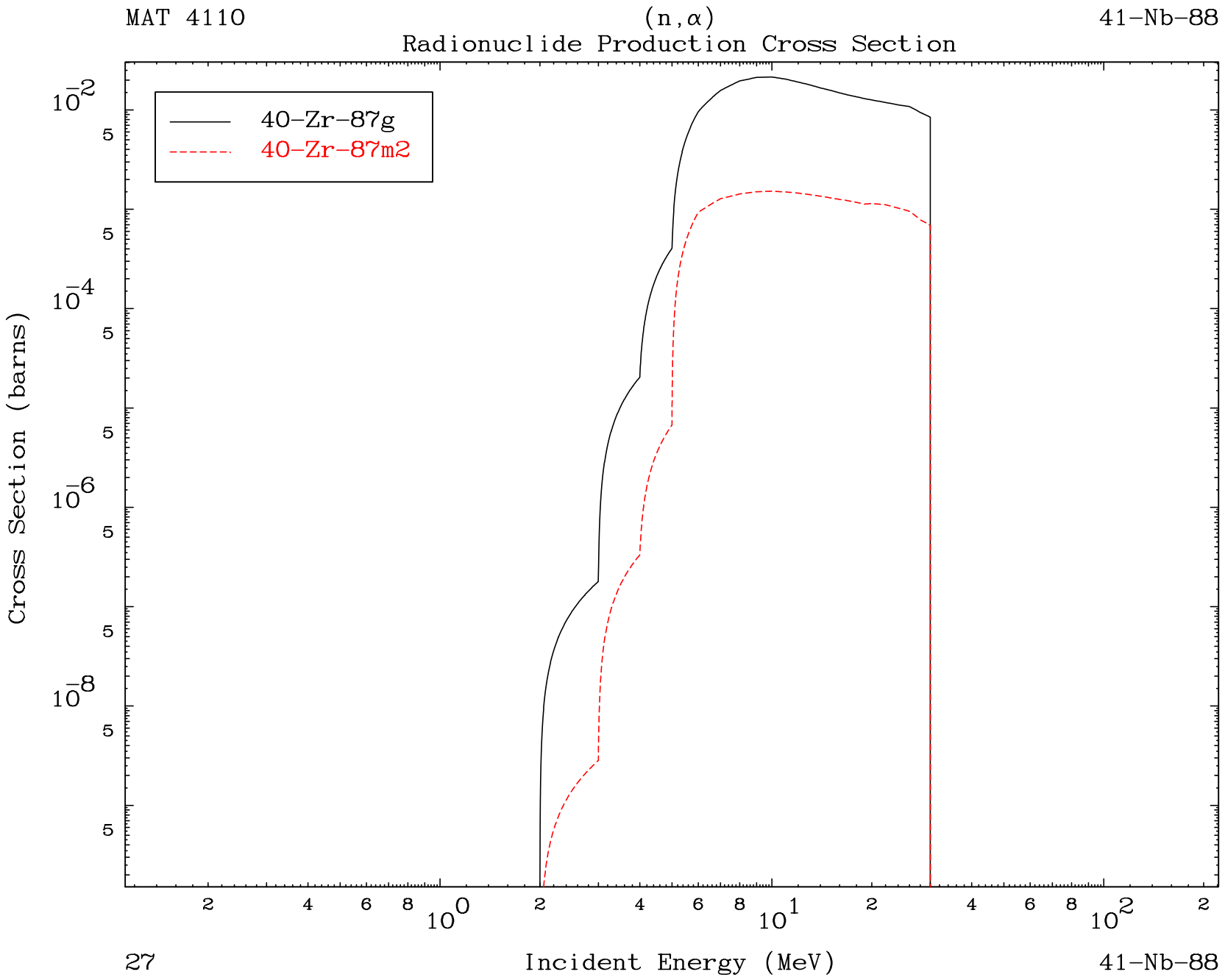

MAT 4110
(n,n') p α
41-Nb-88
Radionuclide Production Cross Section
39-Y -85g
39-Y -85m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
101
102
22
Incident Energy (MeV)
41-Nb-88

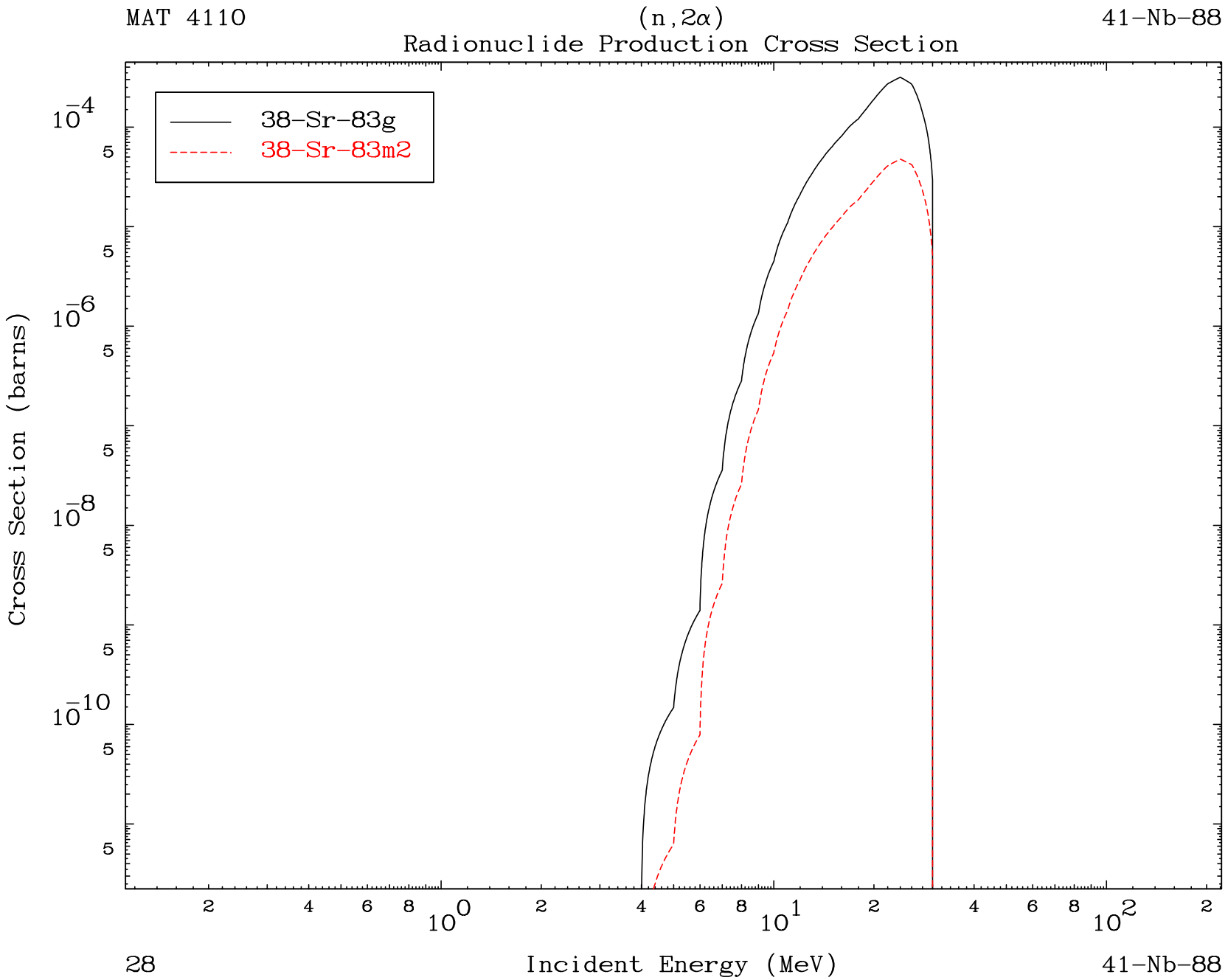

MAT 4110
(n,γ)
41-Nb-88
Radionuclide Production Cross Section
42-Mo-91g
42-Mo-91m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
23
41-Nb-88

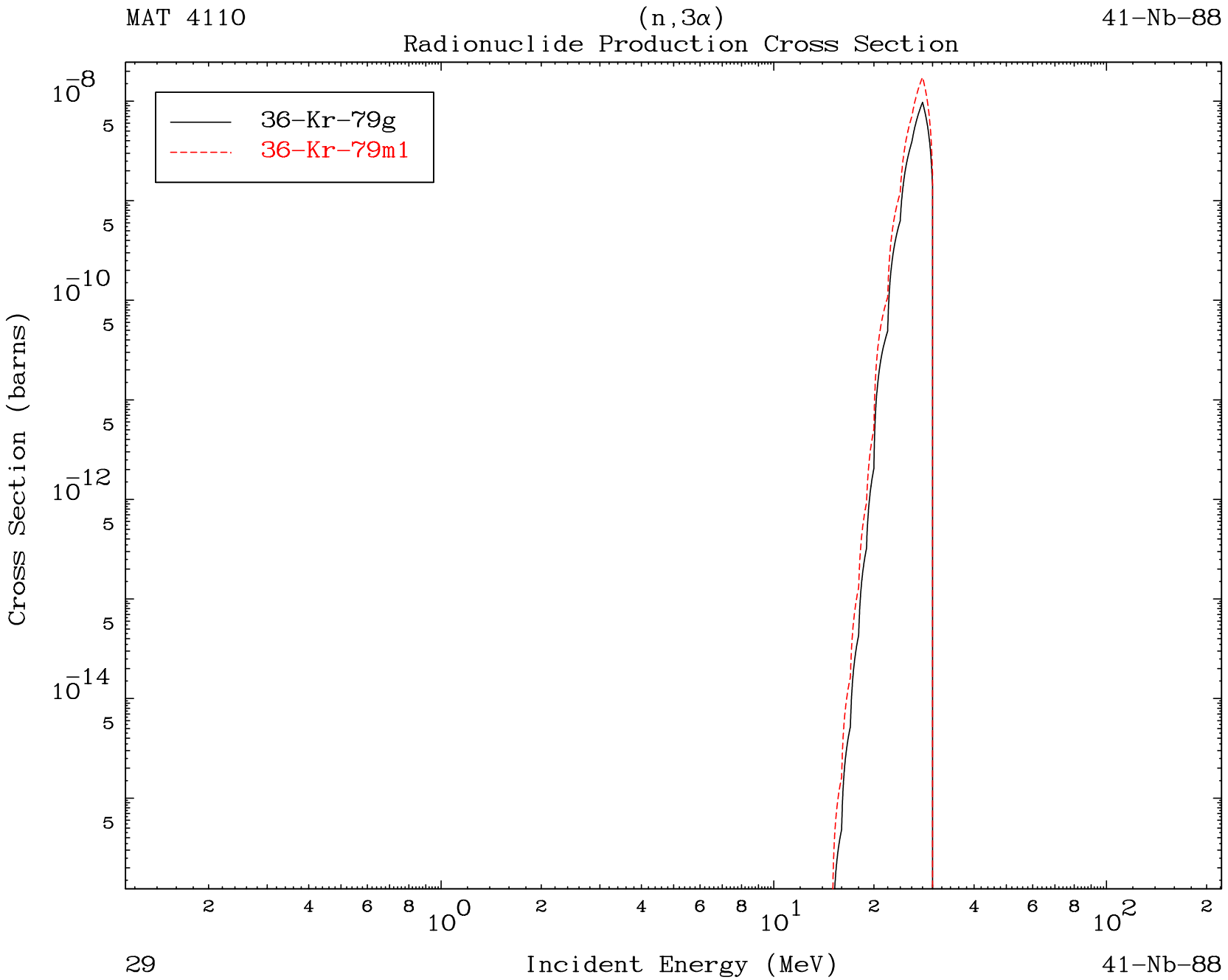

MAT 4110
(n,p)
41-Nb-88
Radionuclide Production Cross Section
41-Nb-90g
41-Nb-90m2
Cross Section (barns)
Incident Energy (MeV)
24
41-Nb-88

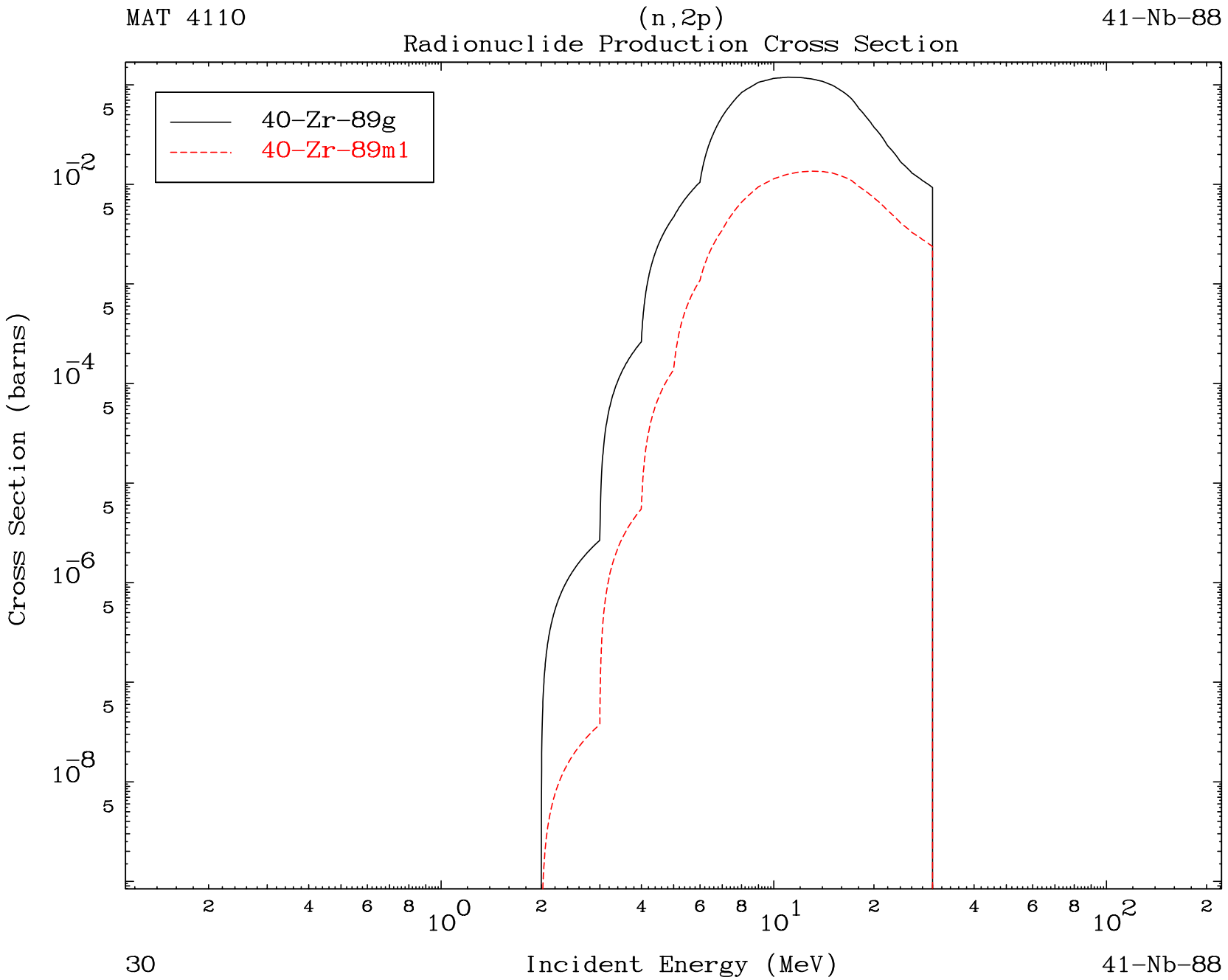

MAT 4110
(n,d)
41-Nb-88
Radionuclide Production Cross Section
41-Nb-89g
41-Nb-89m1
Cross Section (barns)
Incident Energy (MeV)
25
41-Nb-88

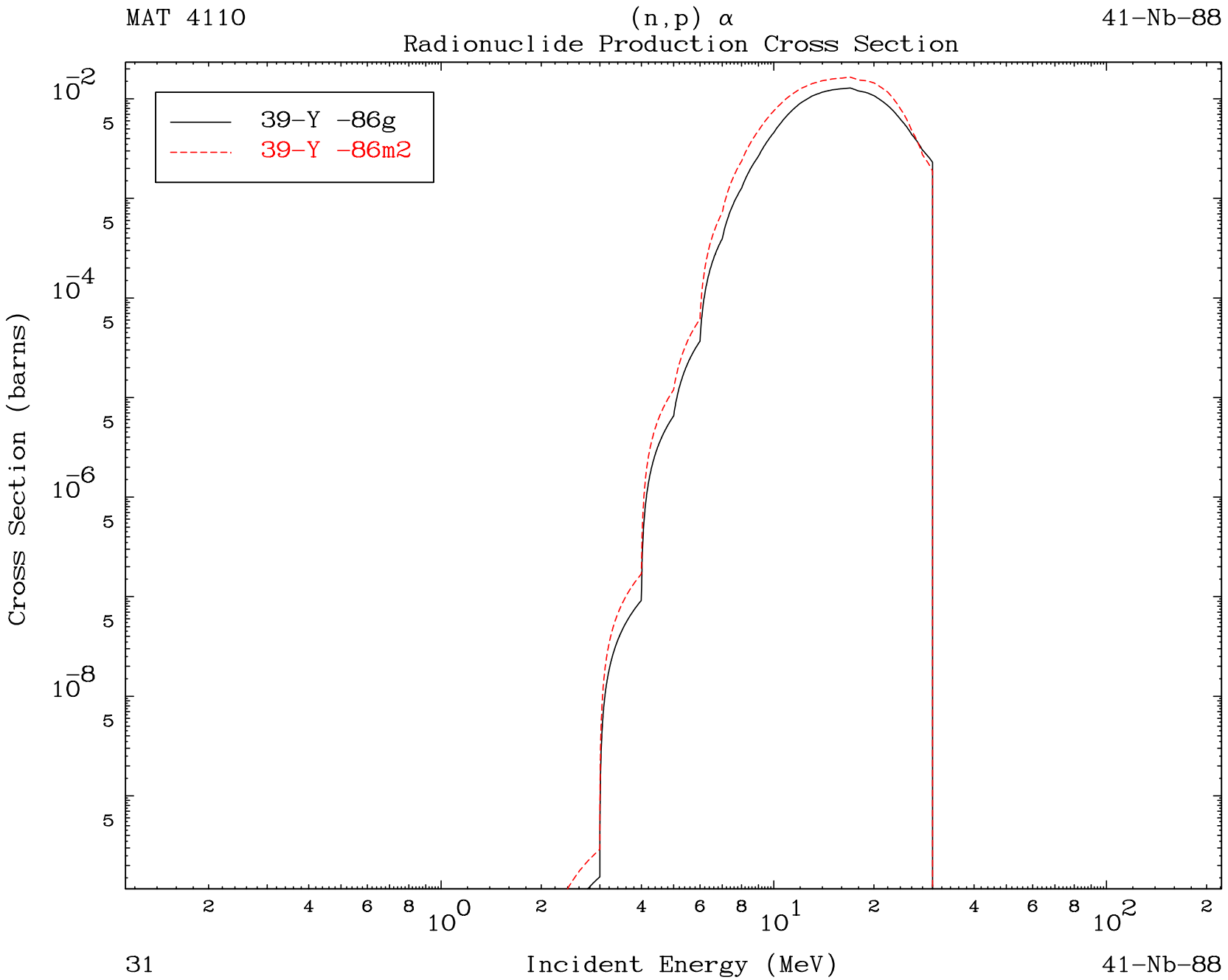

MAT 4110
(n,t)
41-Nb-88
Radionuclide Production Cross Section
41-Nb-88g
41-Nb-88m1
Cross Section (barns)
Incident Energy (MeV)
26
41-Nb-88

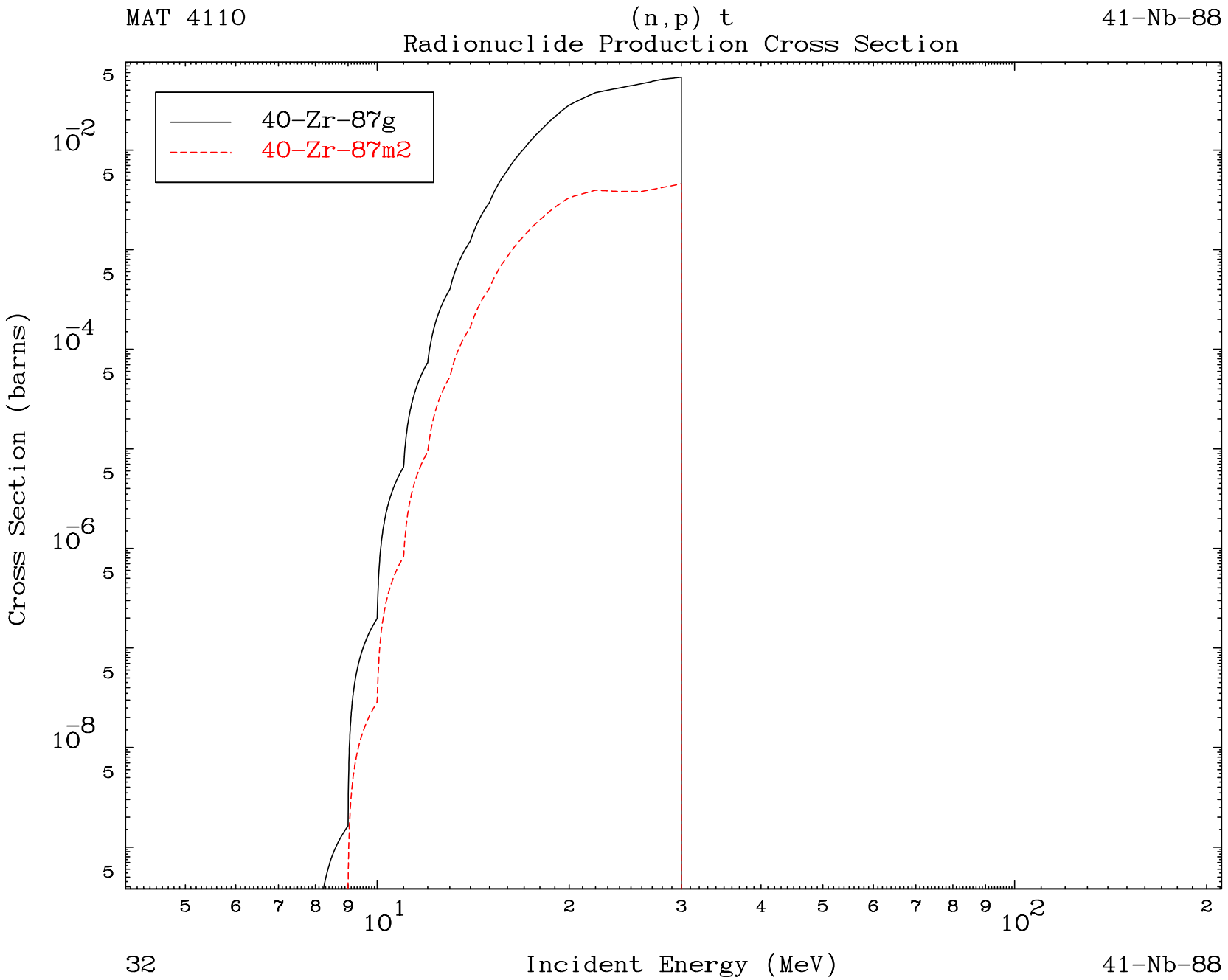

MAT 4110
(n,α)
41-Nb-88
Radionuclide Production Cross Section
40-Zr-87g
40-Zr-87m2
Cross Section (barns)
Incident Energy (MeV)
27
41-Nb-88

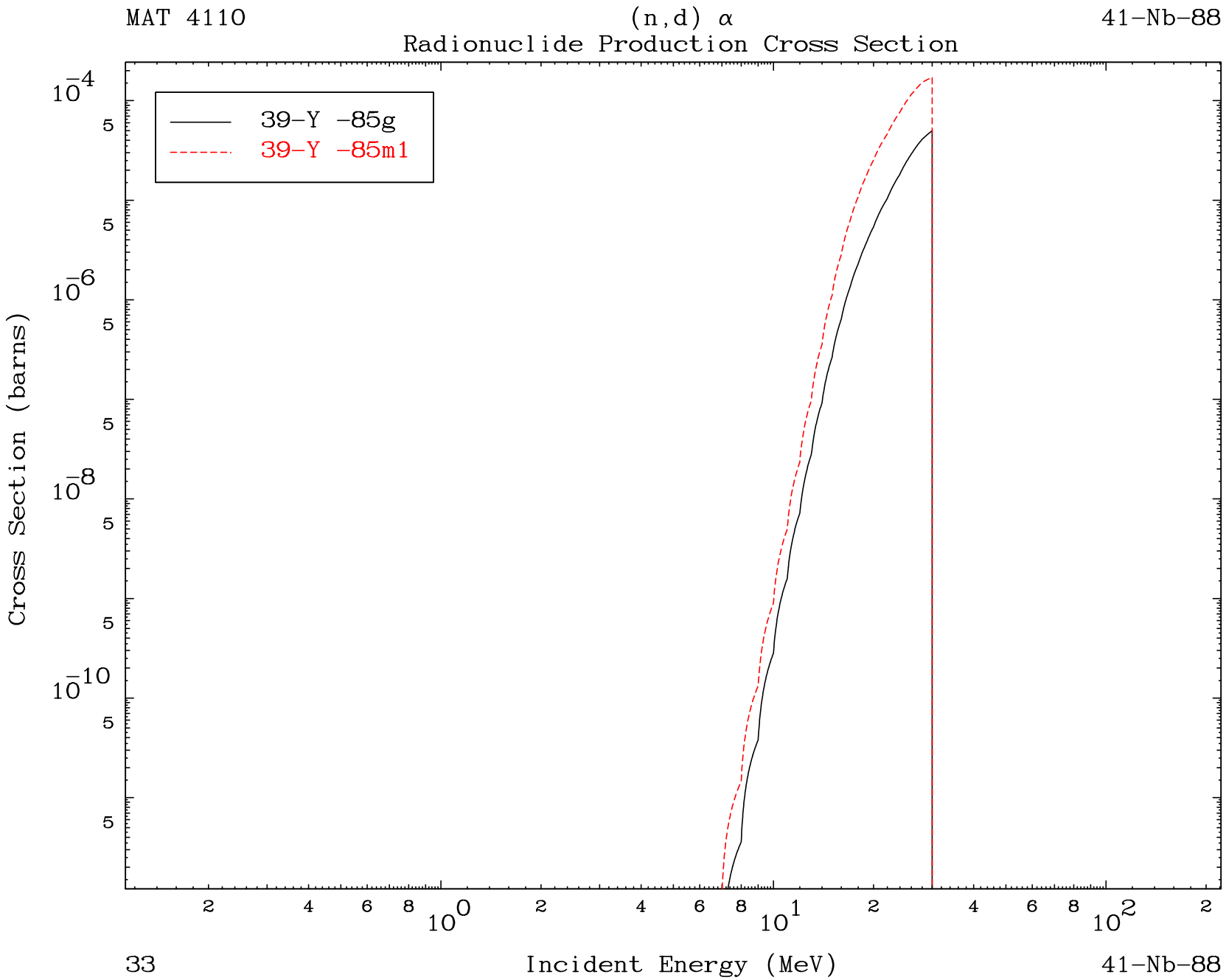

MAT 4110
(n,2α)
41-Nb-88
Radionuclide Production Cross Section
38-Sr-83g
38-Sr-83m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
28
41-Nb-88


MAT 4110
(n,3α)
41-Nb-88
Radionuclide Production Cross Section
36-Kr-79g
36-Kr-79m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
10^0
10^1
10^2
Incident Energy (MeV)
29
41-Nb-88


MAT 4110
(n,2p)
41-Nb-88
Radionuclide Production Cross Section
40-Zr-89g
40-Zr-89m1
Cross Section (barns)
Incident Energy (MeV)
30
41-Nb-88


MAT 4110
(n,p) α
41-Nb-88
Radionuclide Production Cross Section
39-Y -86g
39-Y -86m2
Cross Section (barns)
Incident Energy (MeV)
31
41-Nb-88


MAT 4110
(n,p) t
41-Nb-88
Radionuclide Production Cross Section
40-Zr-87g
40-Zr-87m2
Cross Section (barns)
Incident Energy (MeV)
32
41-Nb-88


MAT 4110
(n,d) α
41-Nb-88
Radionuclide Production Cross Section
39-Y -85g
39-Y -85m1
Cross Section (barns)
Incident Energy (MeV)
33
41-Nb-88