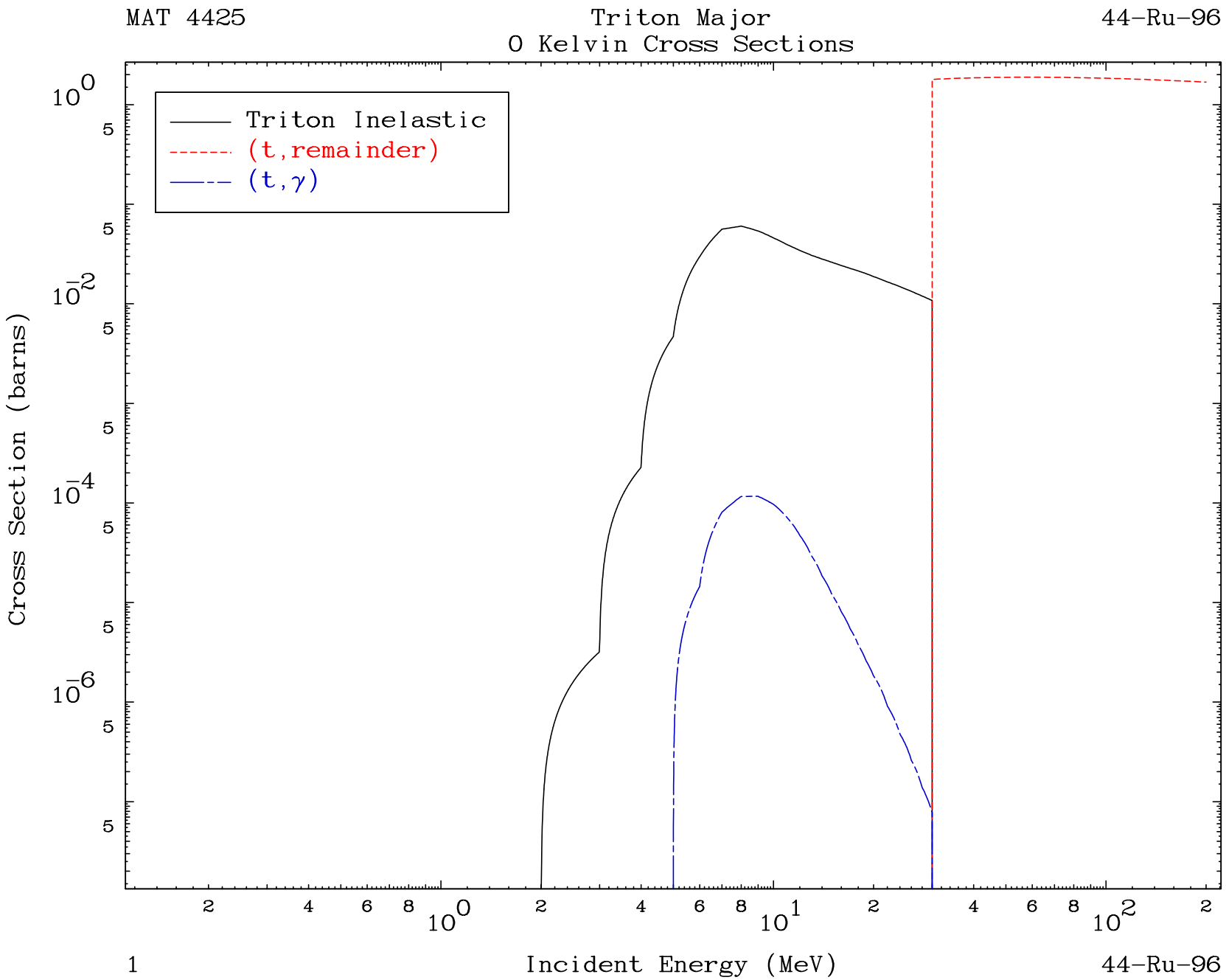
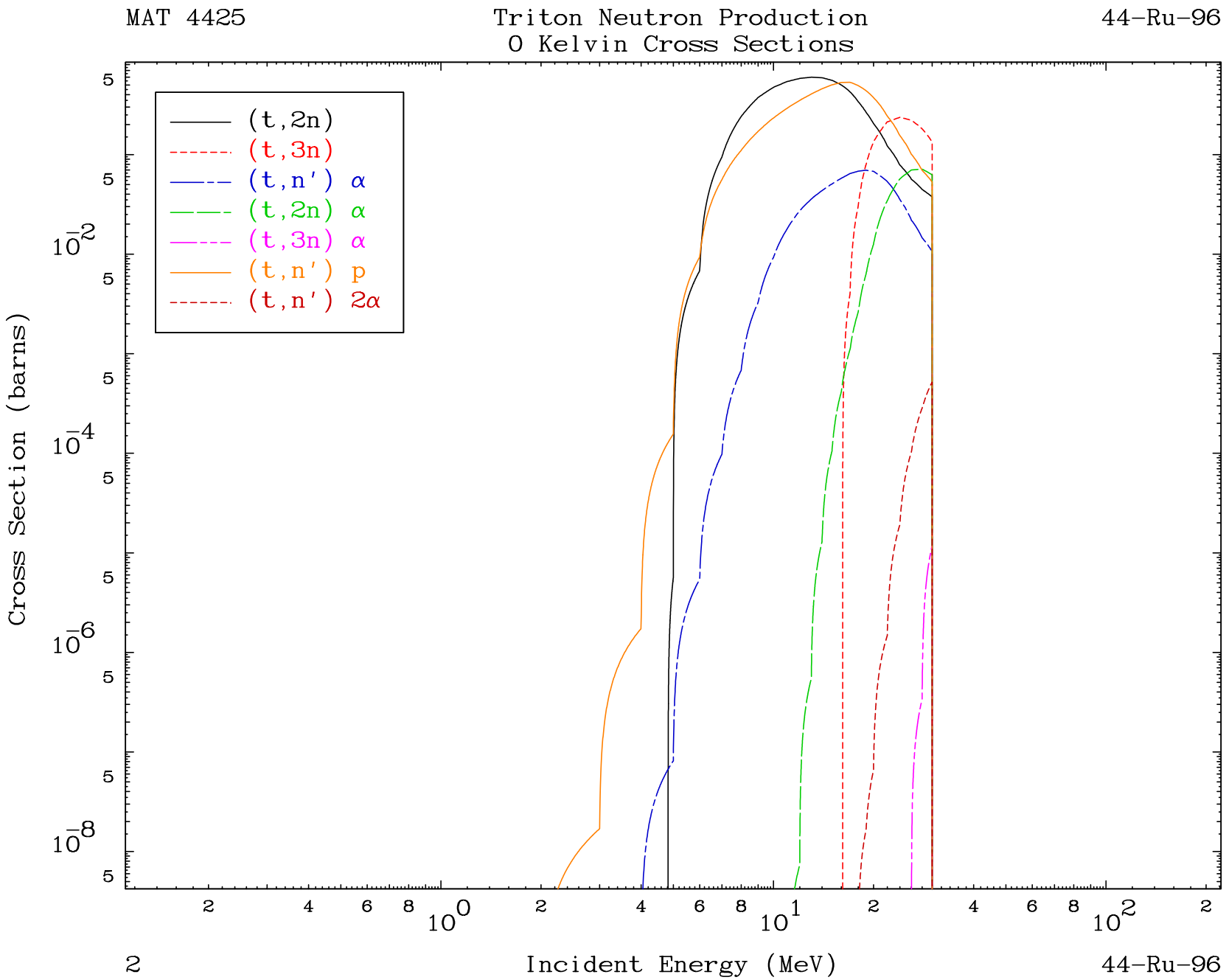
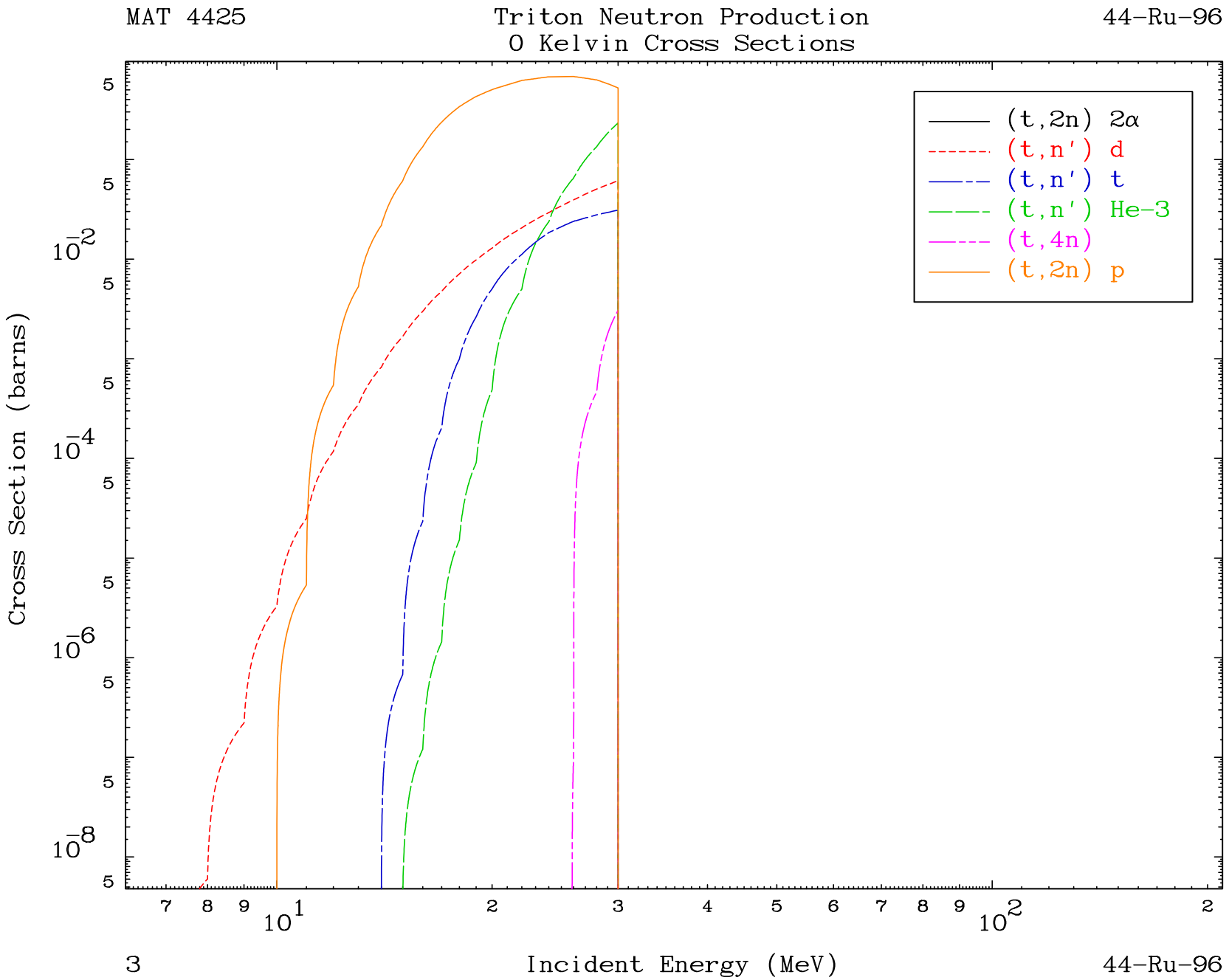
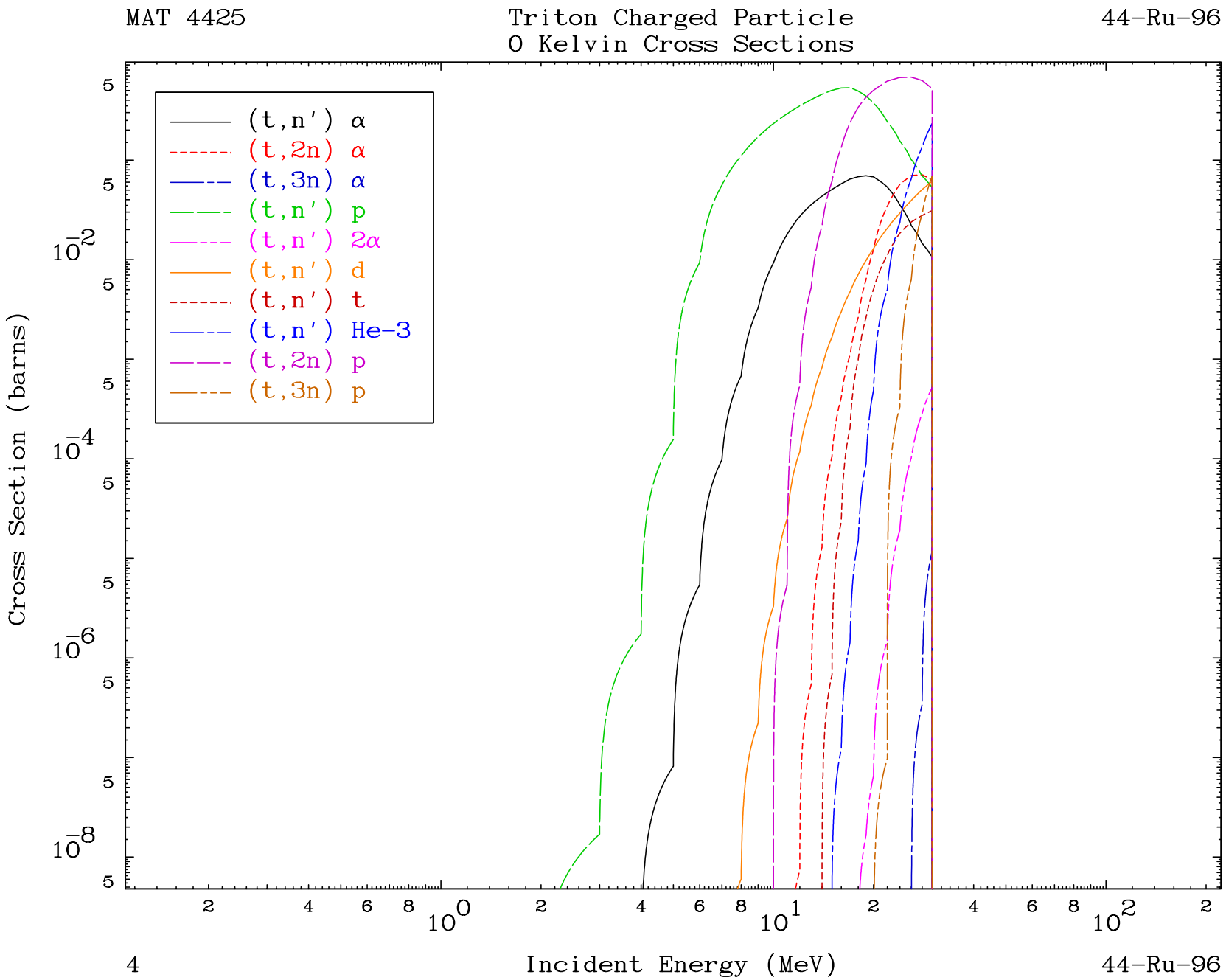
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

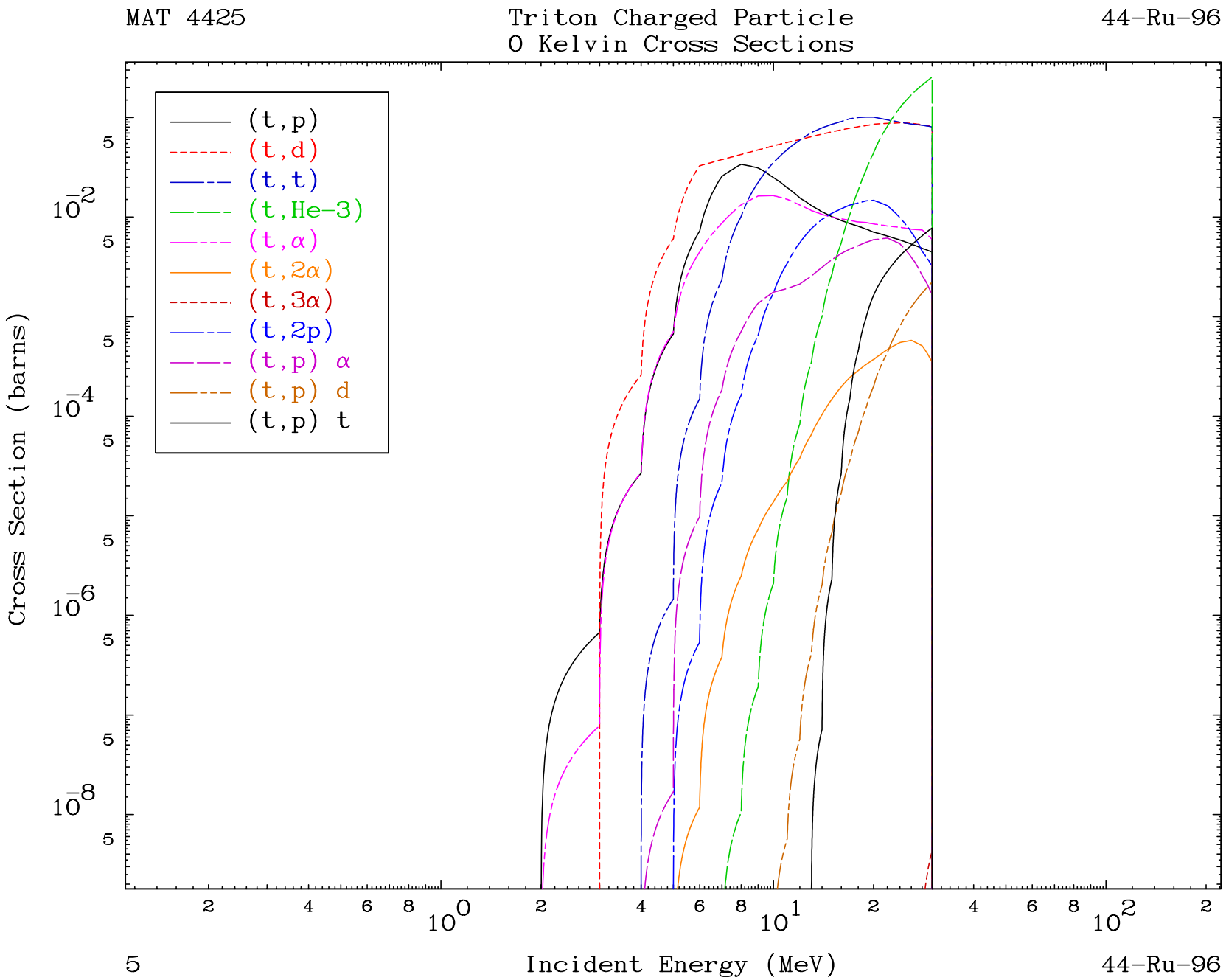
Press Mouse Button to Start

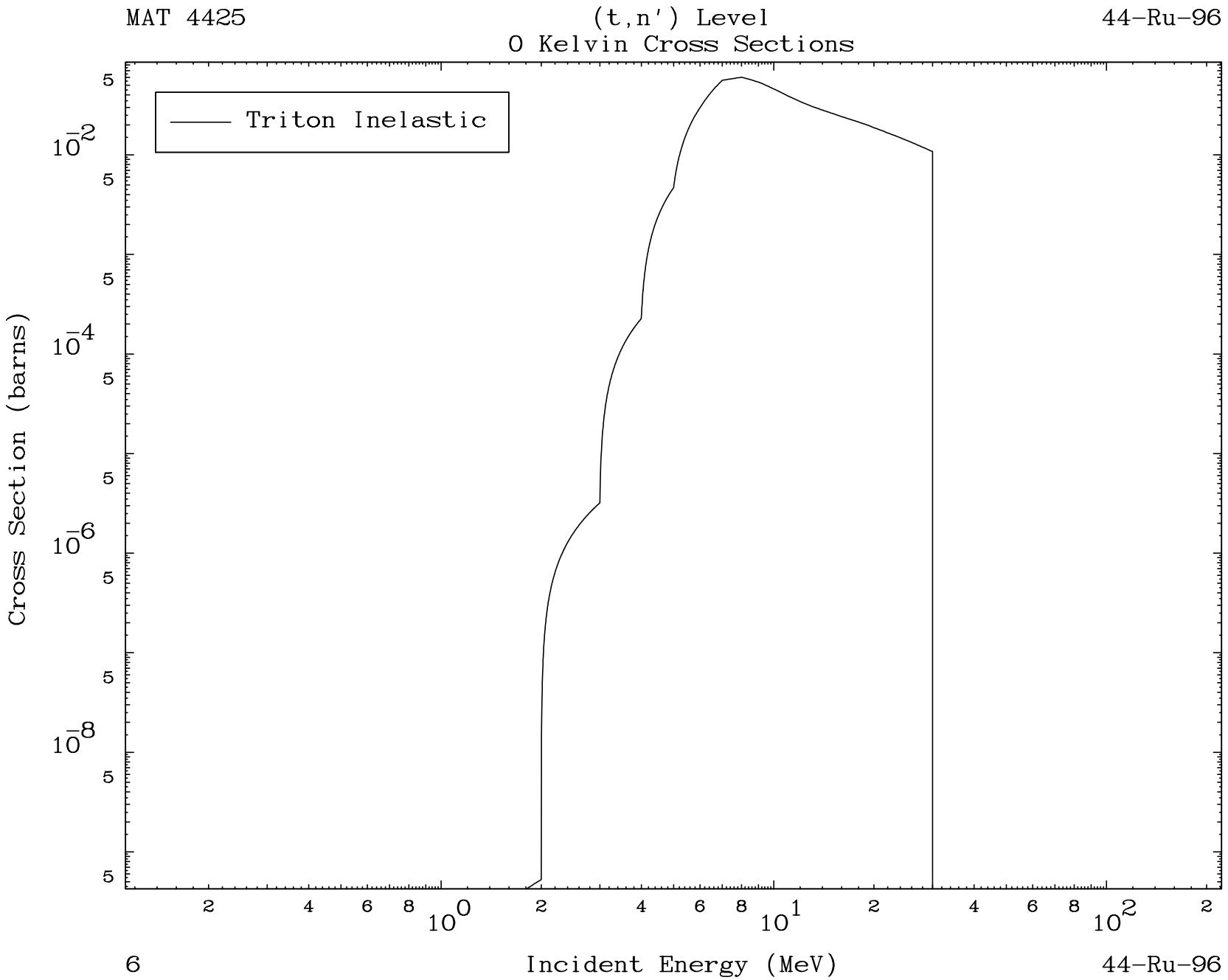

MAT 4425
Triton Major
44-Ru-96
0 Kelvin Cross Sections
Triton Inelastic
(t,remainder)
(t,γ)
Cross Section (barns)
Incident Energy (MeV)
1
44-Ru-96

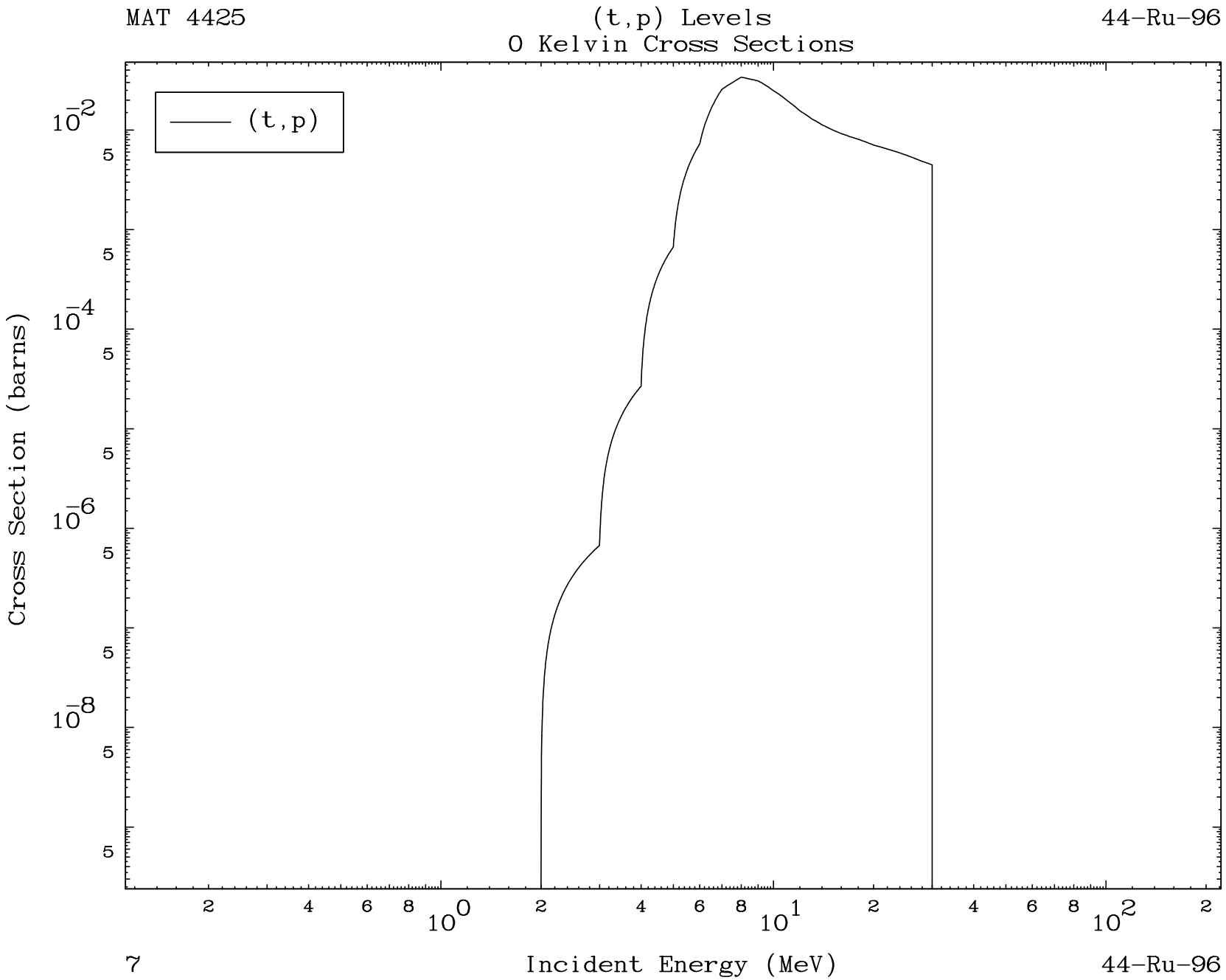

MAT 4425
Triton Neutron Production
0 Kelvin Cross Sections
44-Ru-96
(t,2n)
(t,3n)
(t,n') α
(t,2n) α
(t,3n) α
(t,n') p
(t,n') 2α
Cross Section (barns)
Incident Energy (MeV)
2
44-Ru-96

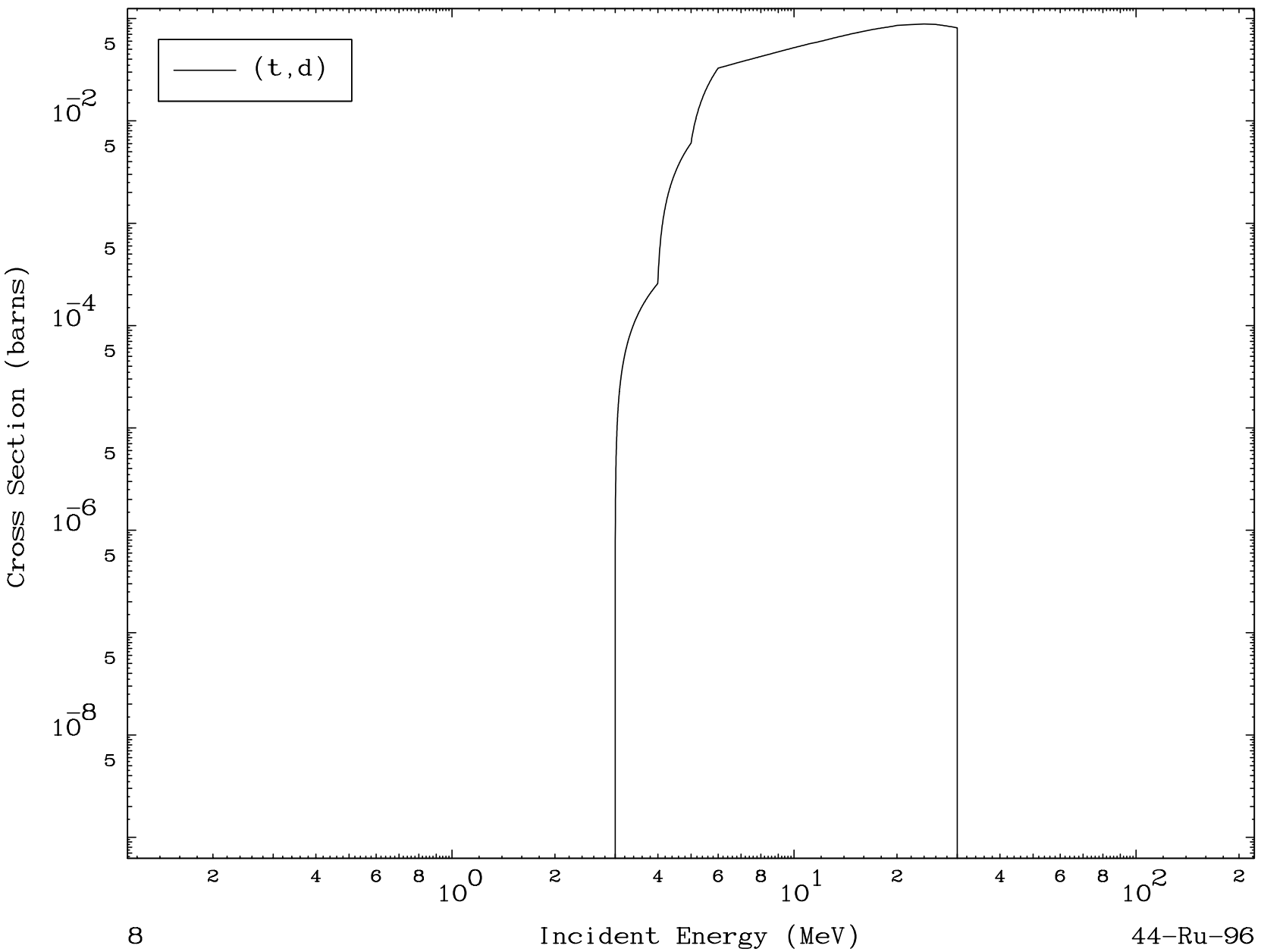

MAT 4425
Triton Neutron Production
0 Kelvin Cross Sections
44-Ru-96
(t,2n) 2α
(t,n') d
(t,n') t
(t,n') He-3
(t,4n)
(t,2n) p
Cross Section (barns)
Incident Energy (MeV)
3
44-Ru-96

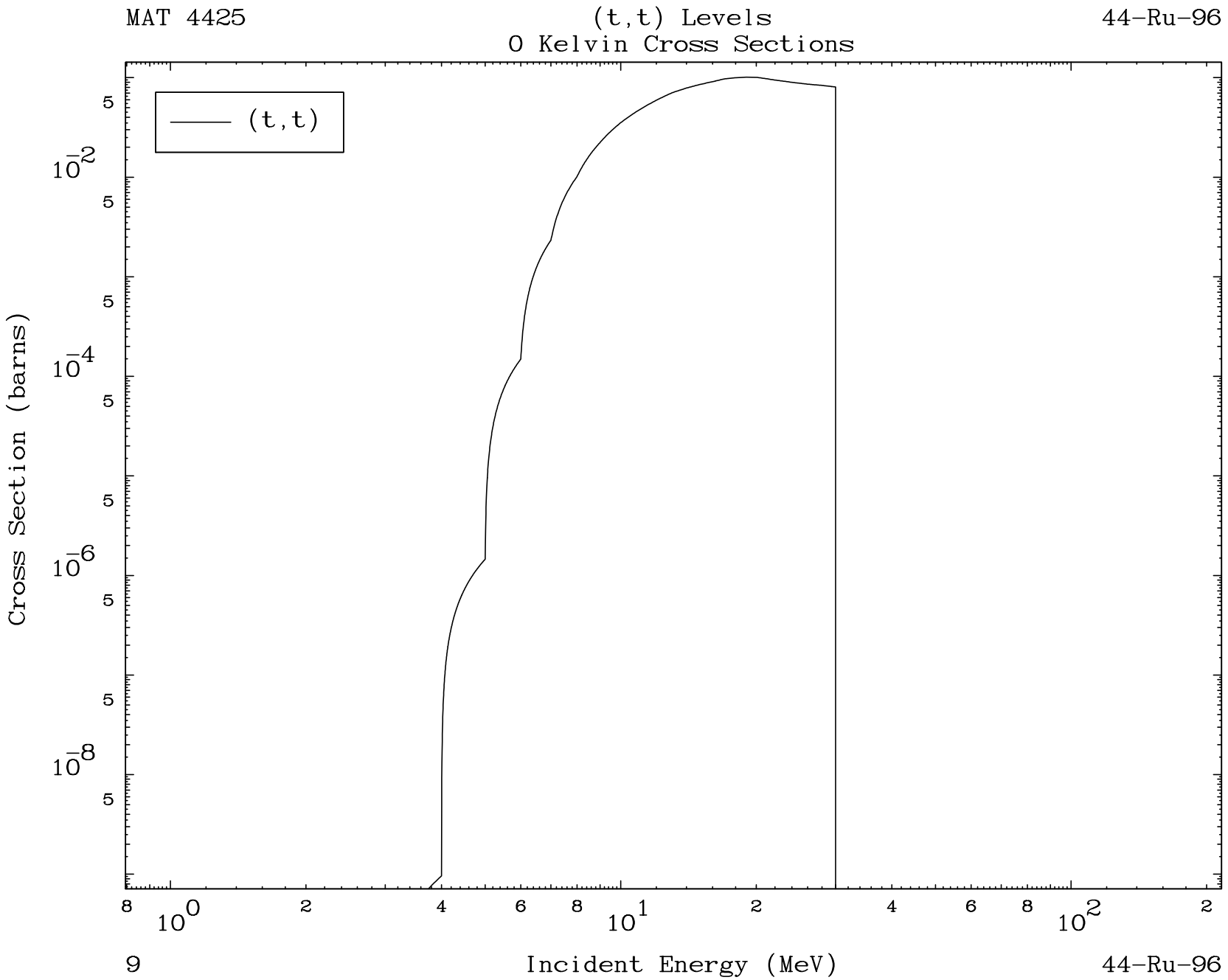

MAT 4425
Triton Charged Particle
0 Kelvin Cross Sections
44-Ru-96
(t,n') α
(t,2n) α
(t,3n) α
(t,n') p
(t,n') 2α
(t,n') d
(t,n') t
(t,n') He-3
(t,2n) p
(t,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
44-Ru-96

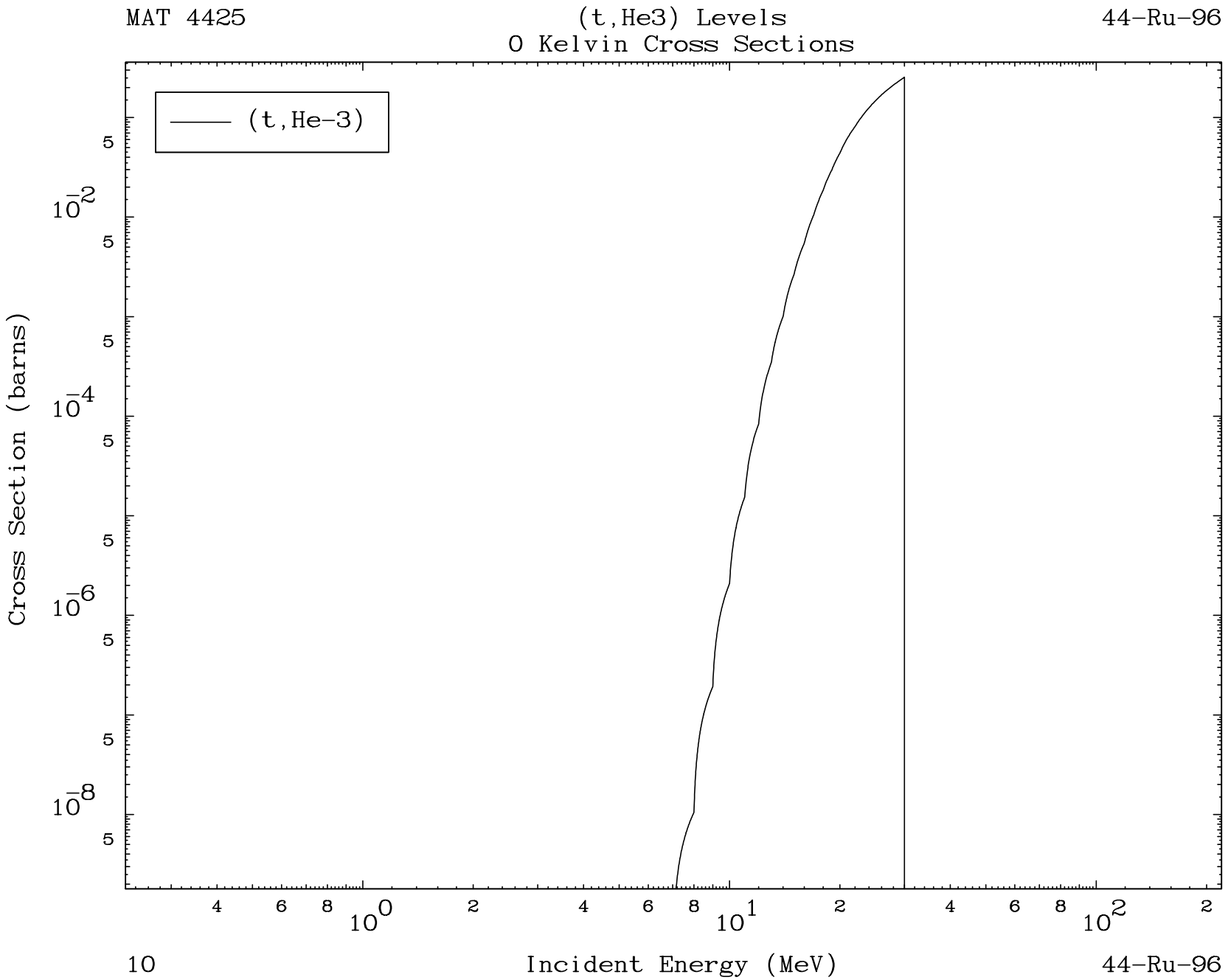

MAT 4425
Triton Charged Particle
0 Kelvin Cross Sections
44-Ru-96
(t,p)
(t,d)
(t,t)
(t,He-3)
(t,α)
(t,2α)
(t,3α)
(t,2p)
(t,p) α
(t,p) d
(t,p) t
Cross Section (barns)
Incident Energy (MeV)
5
44-Ru-96

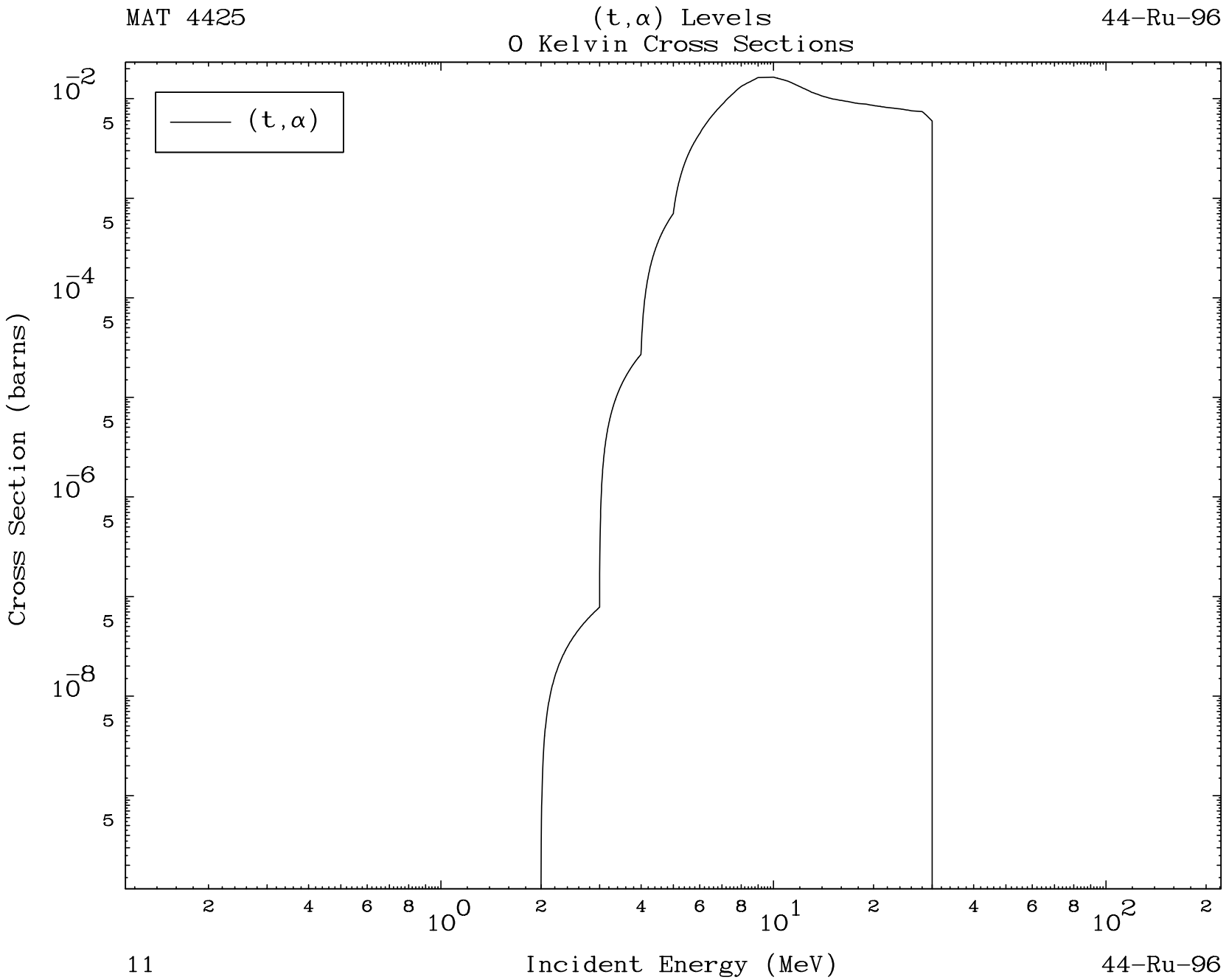

MAT 4425
(t,n') Level
44-Ru-96
0 Kelvin Cross Sections
Triton Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
10 0
10 1
10 2
Incident Energy (MeV)
6
44-Ru-96

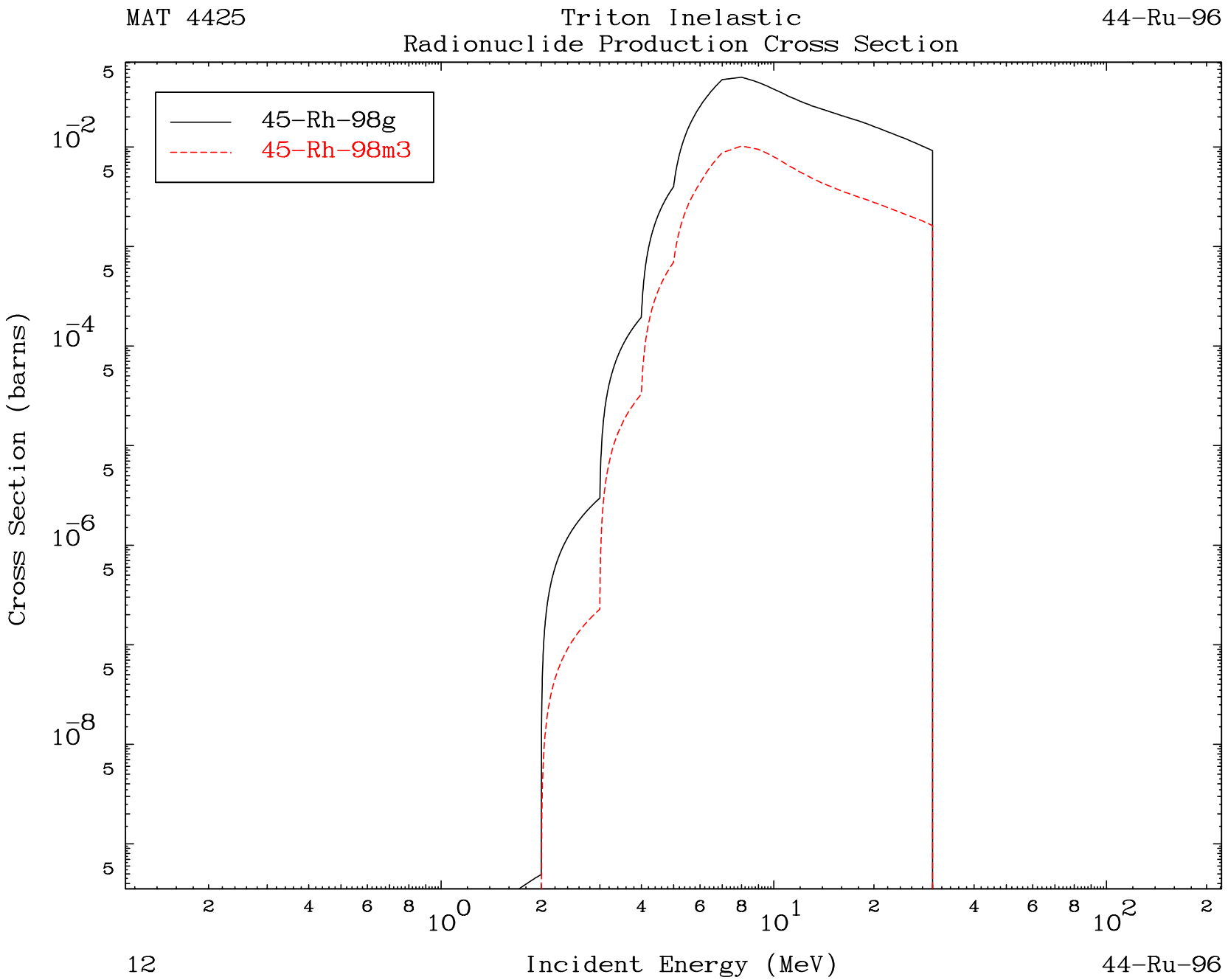

MAT 4425
(t,p) Levels
44-Ru-96
0 Kelvin Cross Sections
(t,p)
Cross Section (barns)
Incident Energy (MeV)
7
44-Ru-96

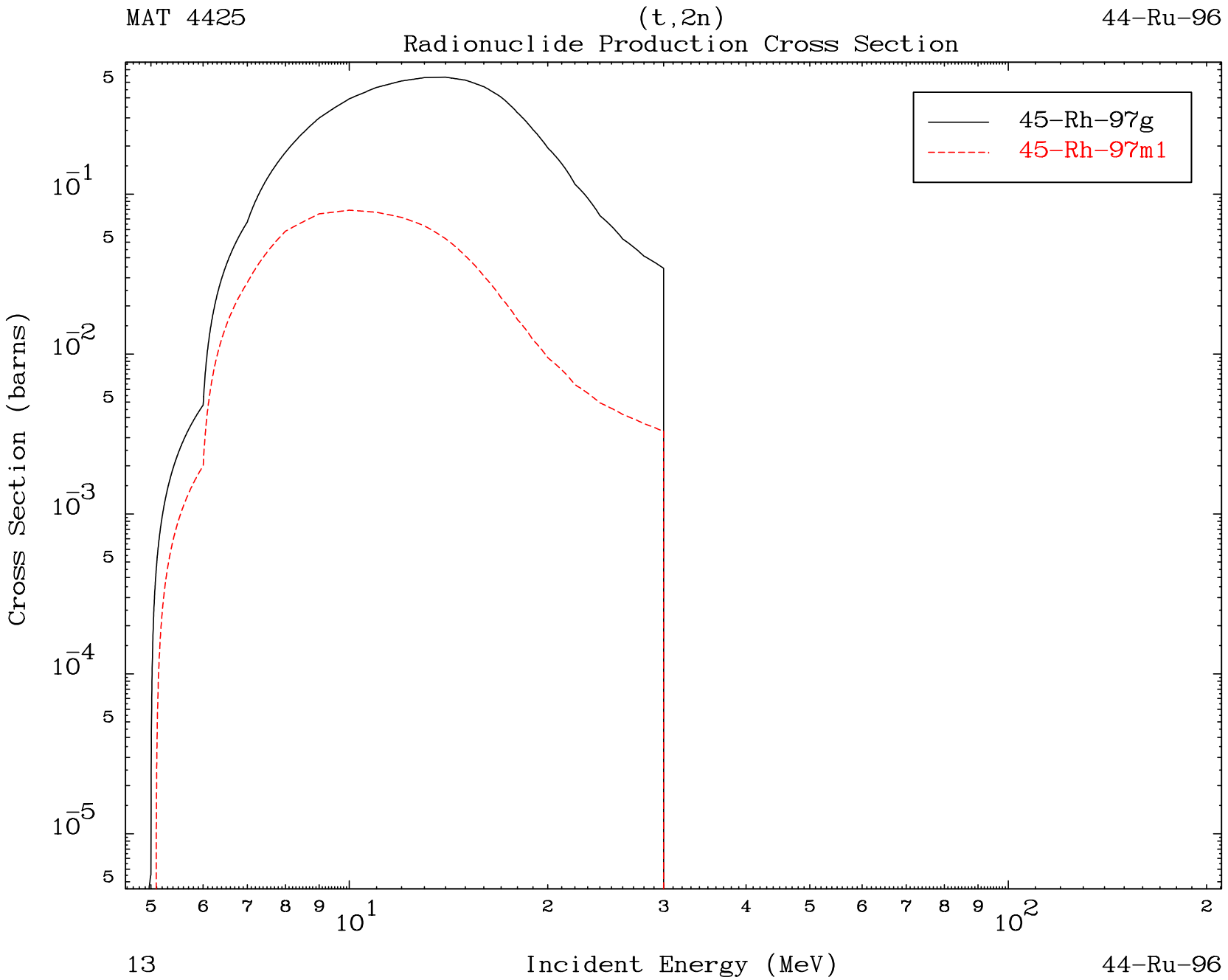

0 Kelvin Cross Sections
(t,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
100
101
102
Incident Energy (MeV)

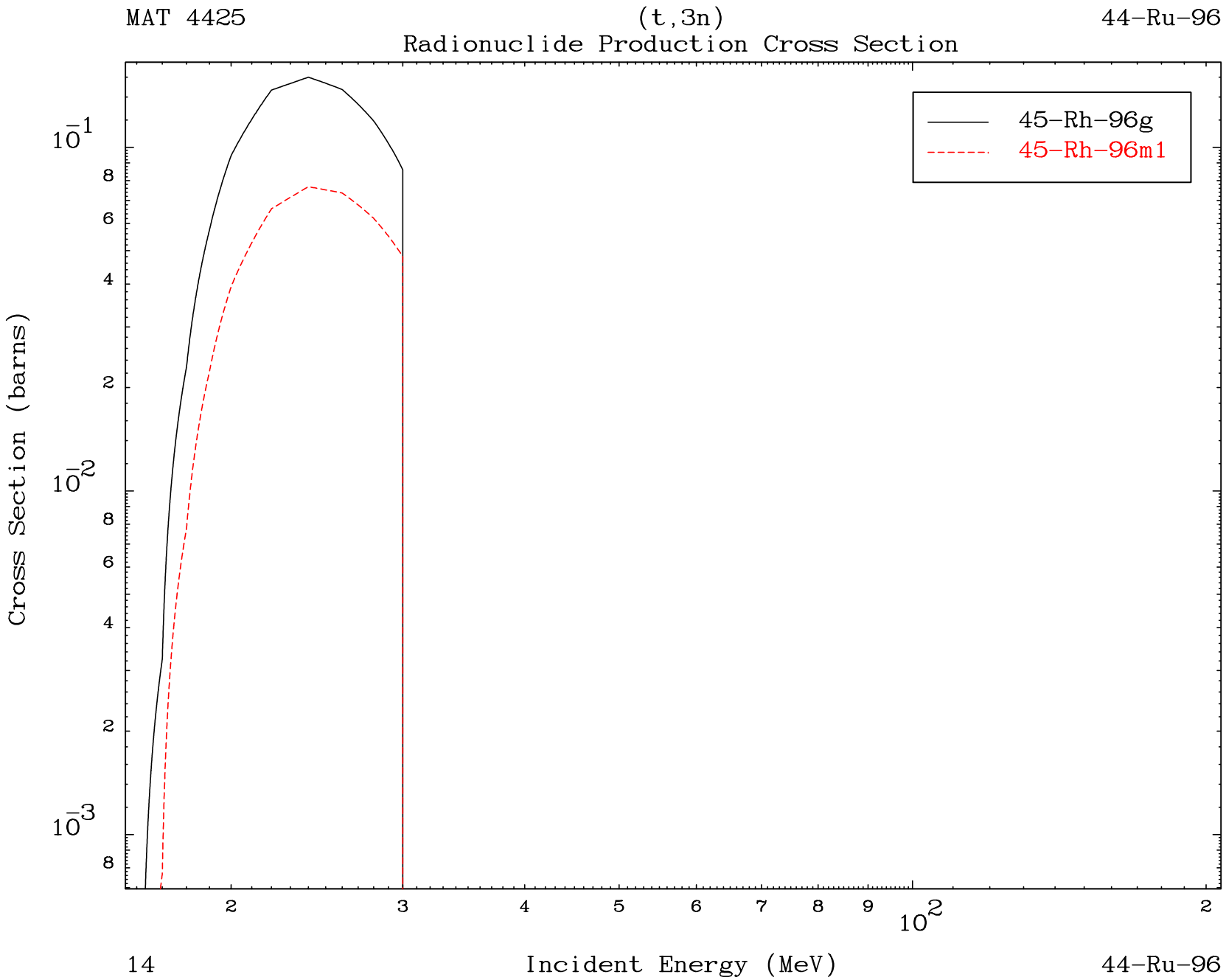

MAT 4425
(t,t) Levels
44-Ru-96
0 Kelvin Cross Sections
(t,t)
Cross Section (barns)
Incident Energy (MeV)
9
44-Ru-96

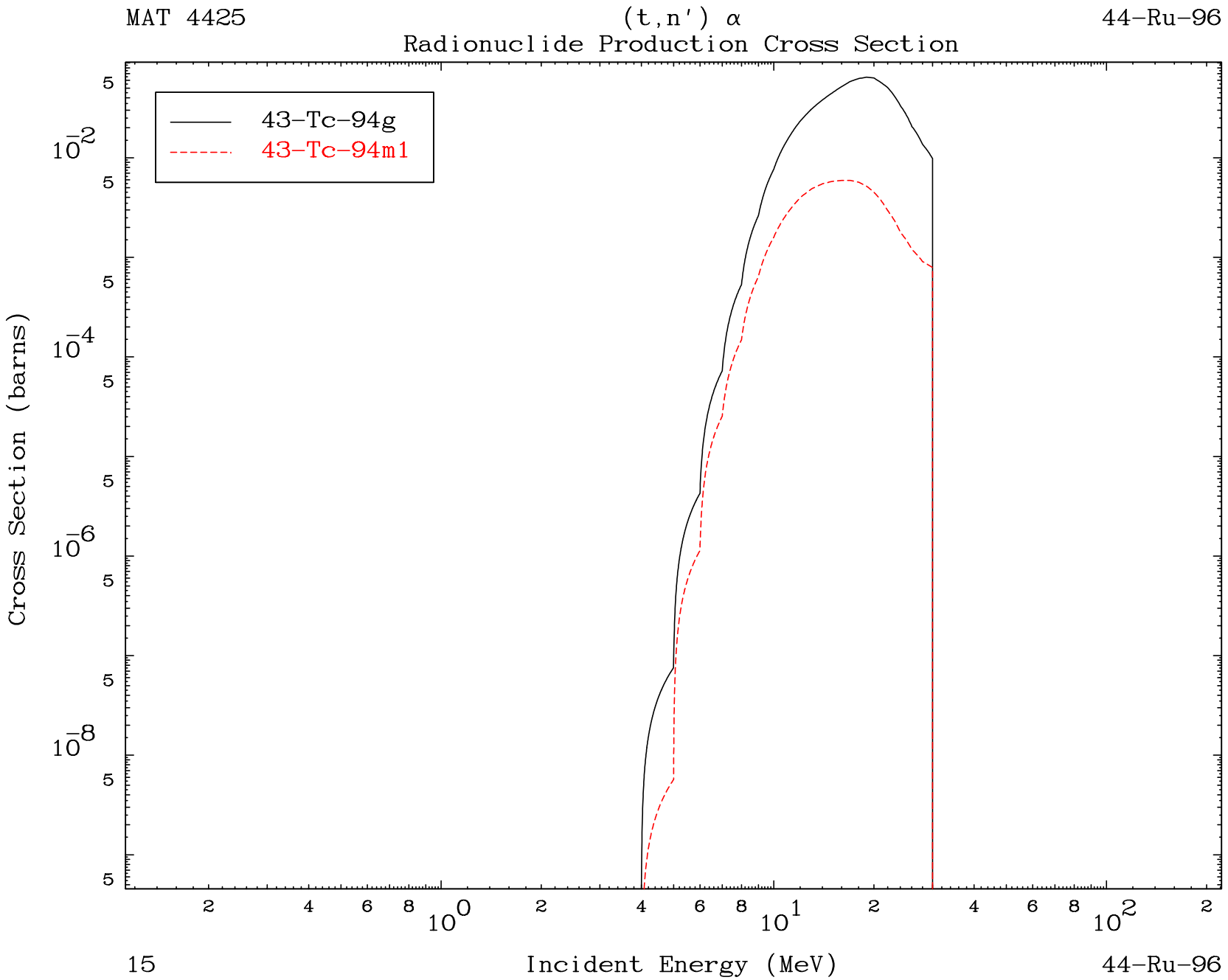

MAT 4425
(t,He3) Levels
44-Ru-96
0 Kelvin Cross Sections
(t,He-3)
Cross Section (barns)
Incident Energy (MeV)
44-Ru-96

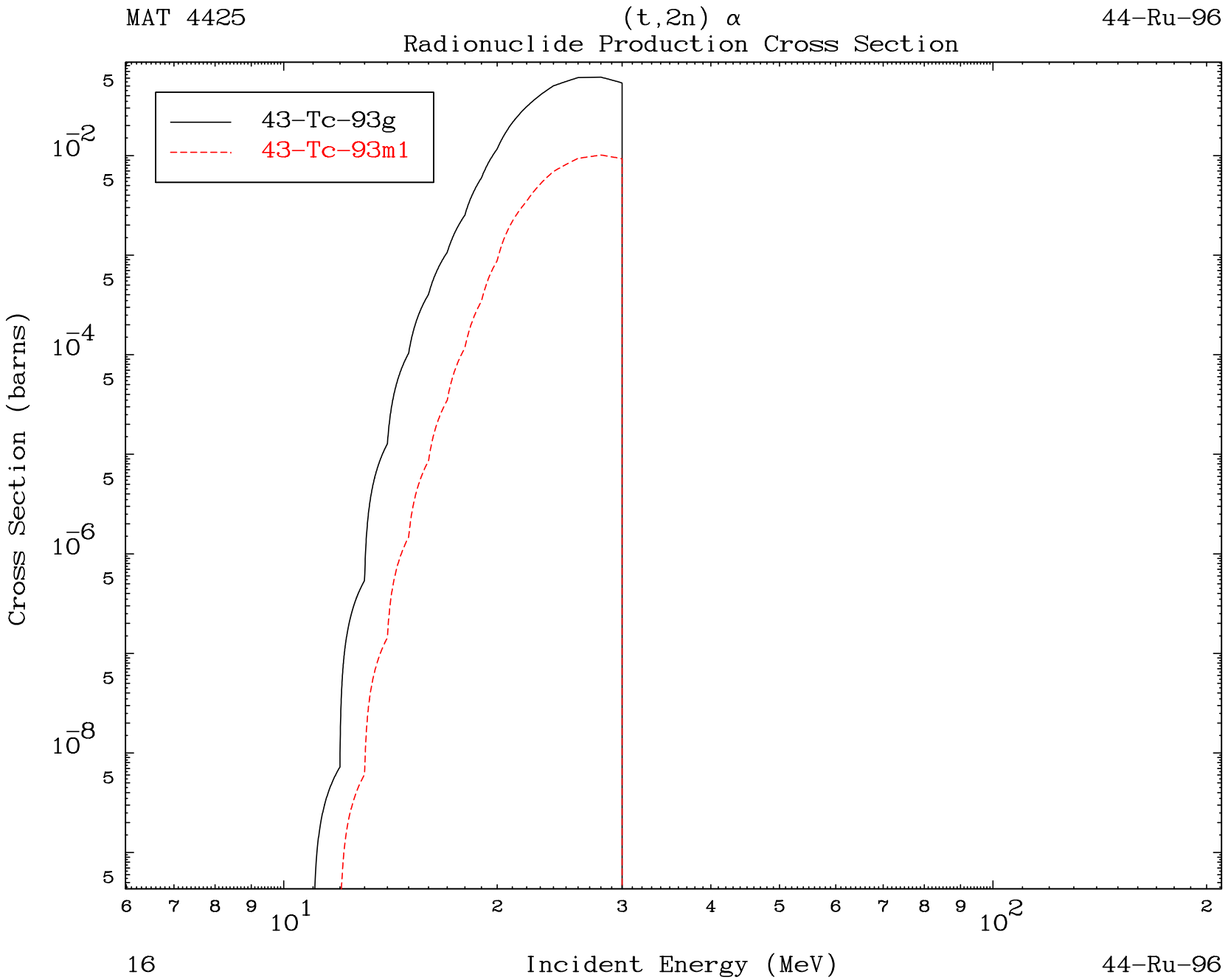

MAT 4425
(t,α) Levels
44-Ru-96
0 Kelvin Cross Sections
(t,α)
Cross Section (barns)
Incident Energy (MeV)
11
44-Ru-96

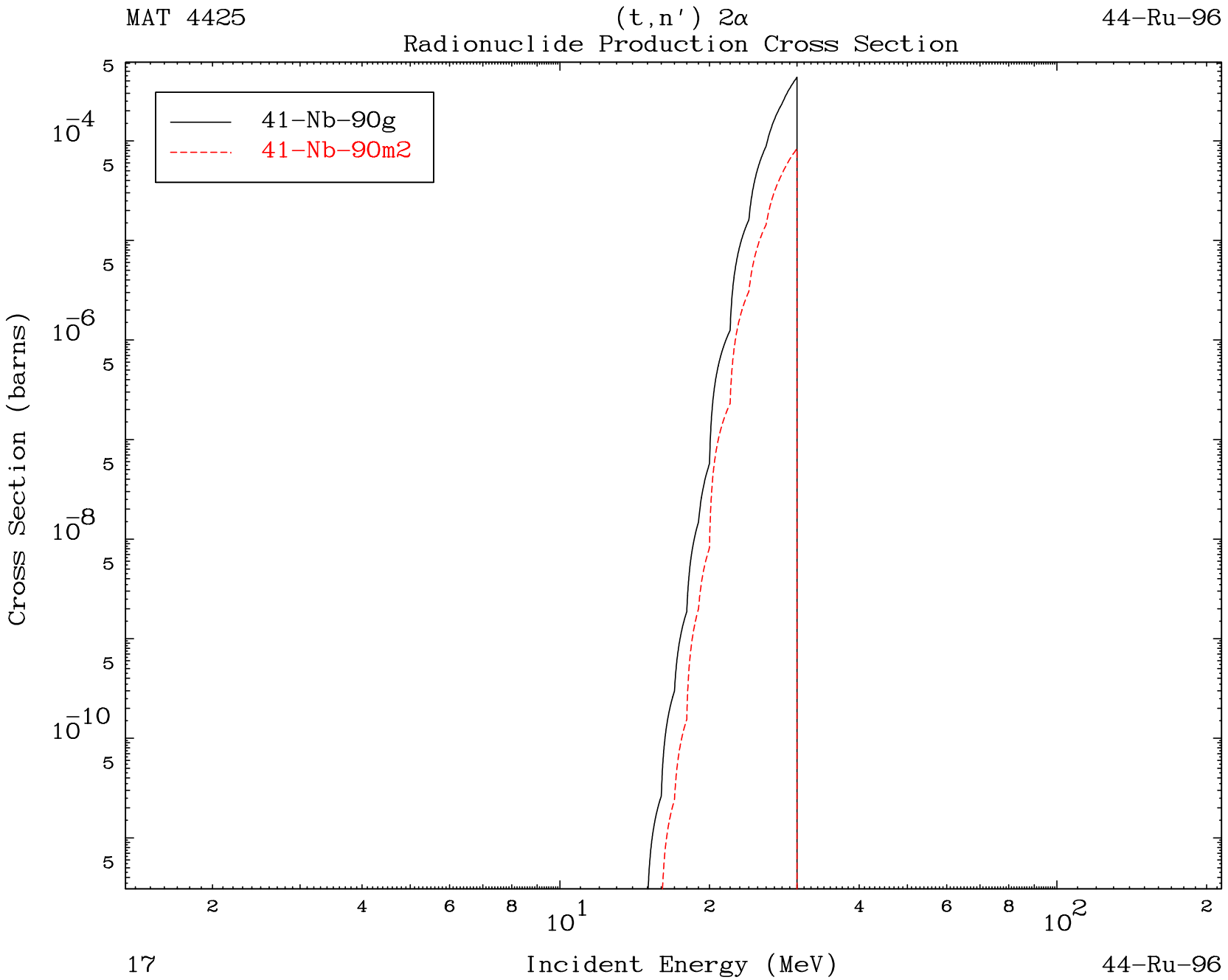

MAT 4425
Triton Inelastic
44-Ru-96
Radionuclide Production Cross Section
45-Rh-98g
45-Rh-98m3
Cross Section (barns)
Incident Energy (MeV)
12
44-Ru-96

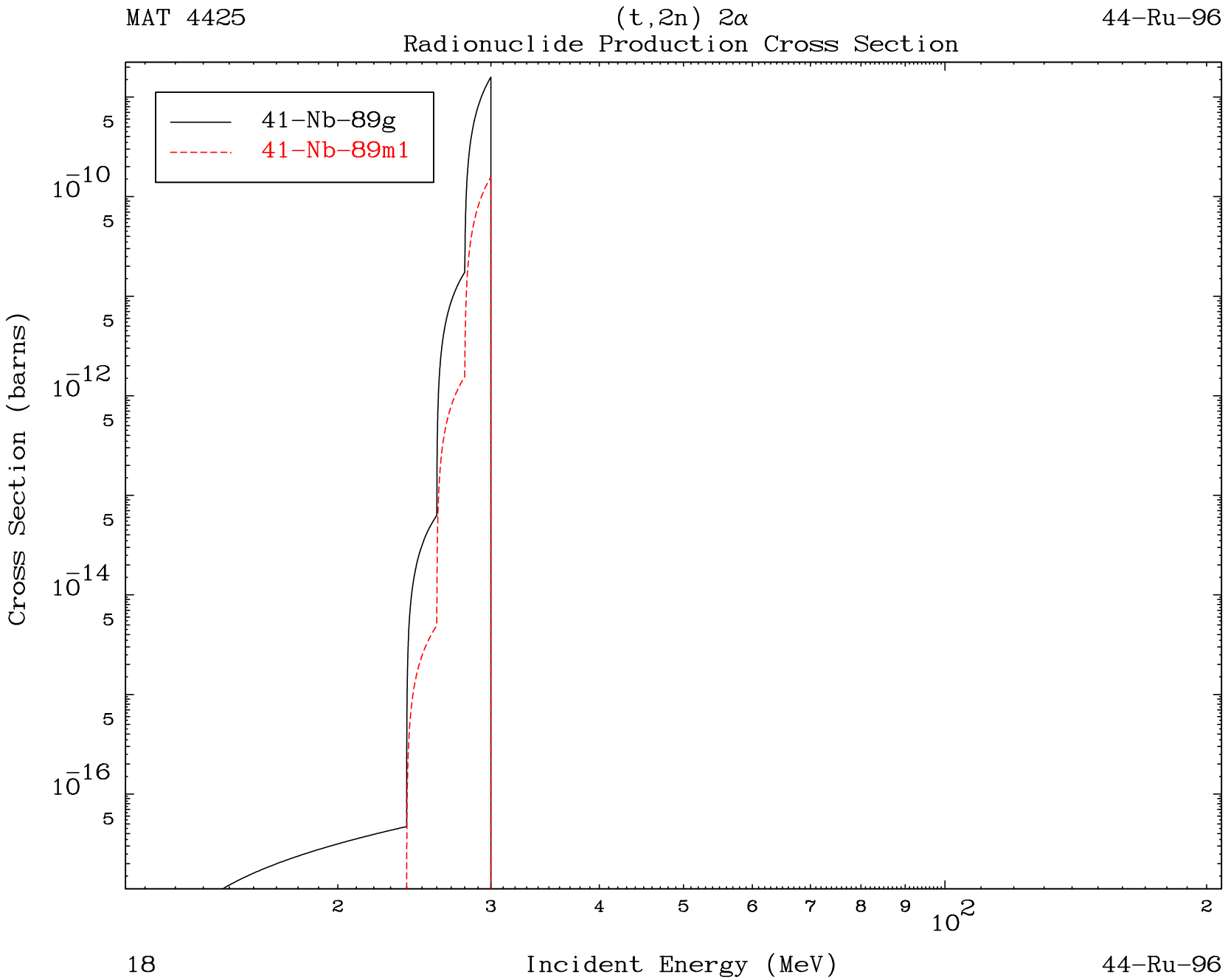

MAT 4425
(t,2n)
44-Ru-96
Radionuclide Production Cross Section
45-Rh-97g
45-Rh-97m1
Cross Section (barns)
Incident Energy (MeV)
13
44-Ru-96

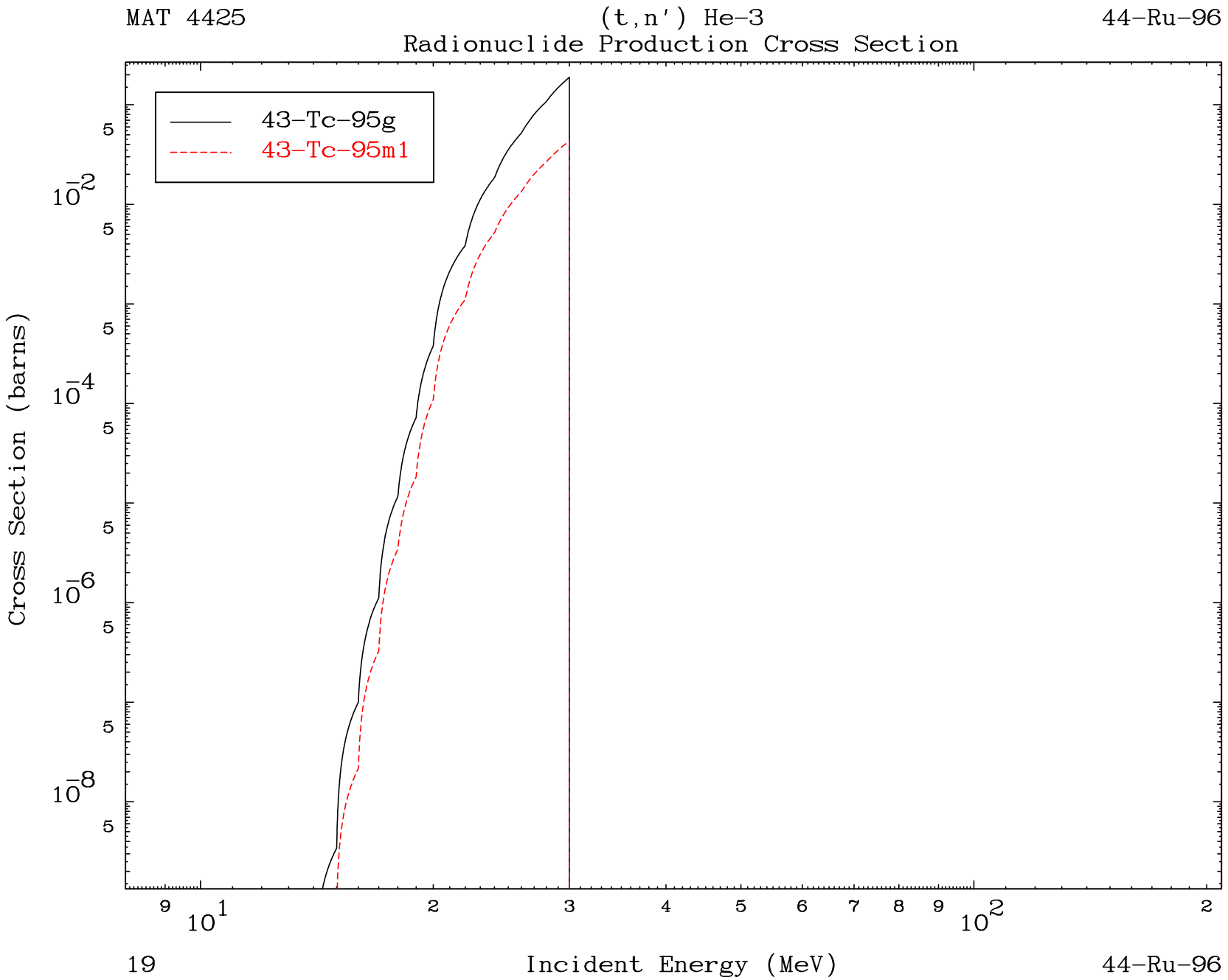

MAT 4425
(t,3n)
44-Ru-96
Radionuclide Production Cross Section
45-Rh-96g
45-Rh-96m1
Cross Section (barns)
Incident Energy (MeV)
14
44-Ru-96

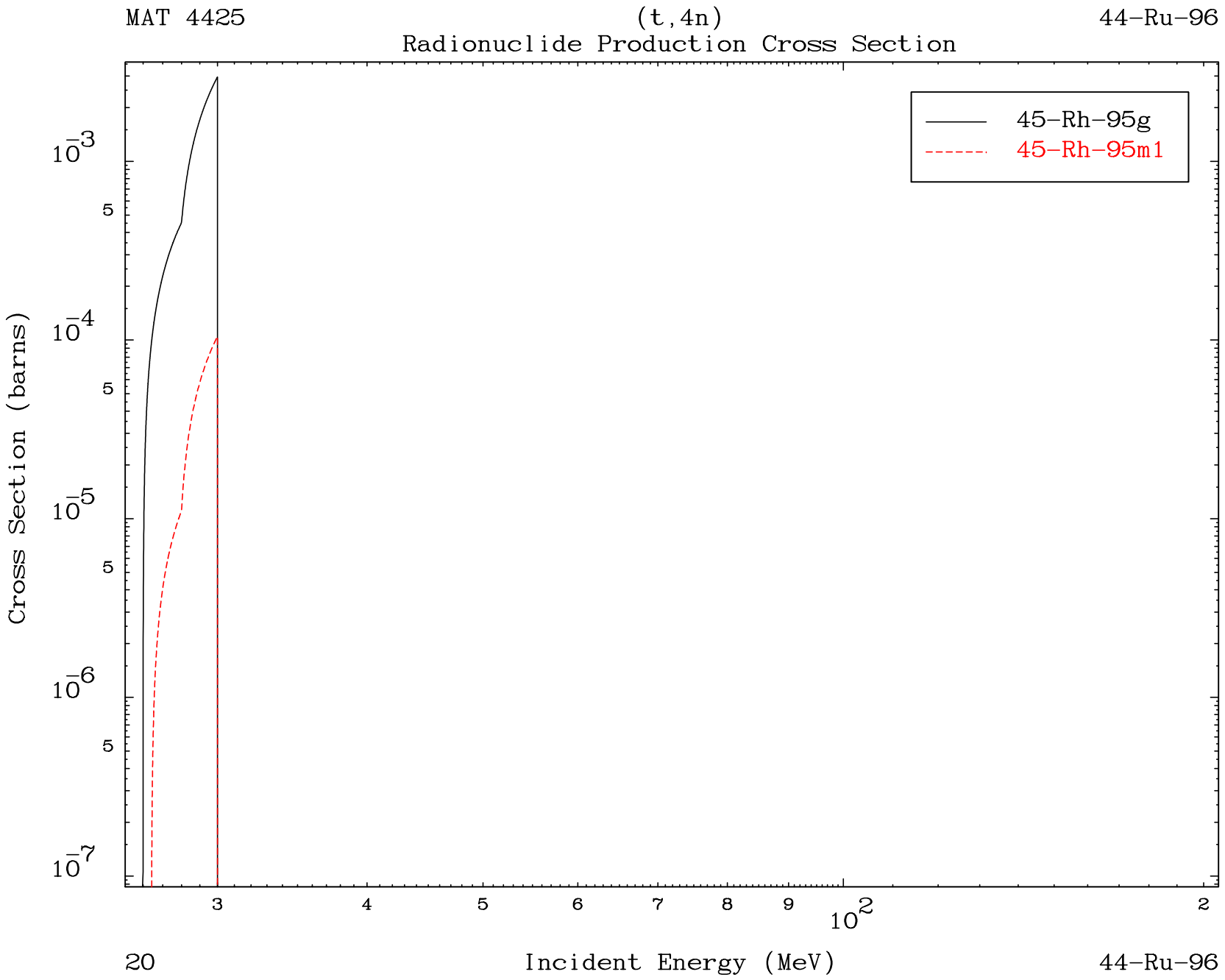

MAT 4425
(t,n') α
44-Ru-96
Radionuclide Production Cross Section
43-Tc-94g
43-Tc-94m1
Cross Section (barns)
Incident Energy (MeV)
15
44-Ru-96

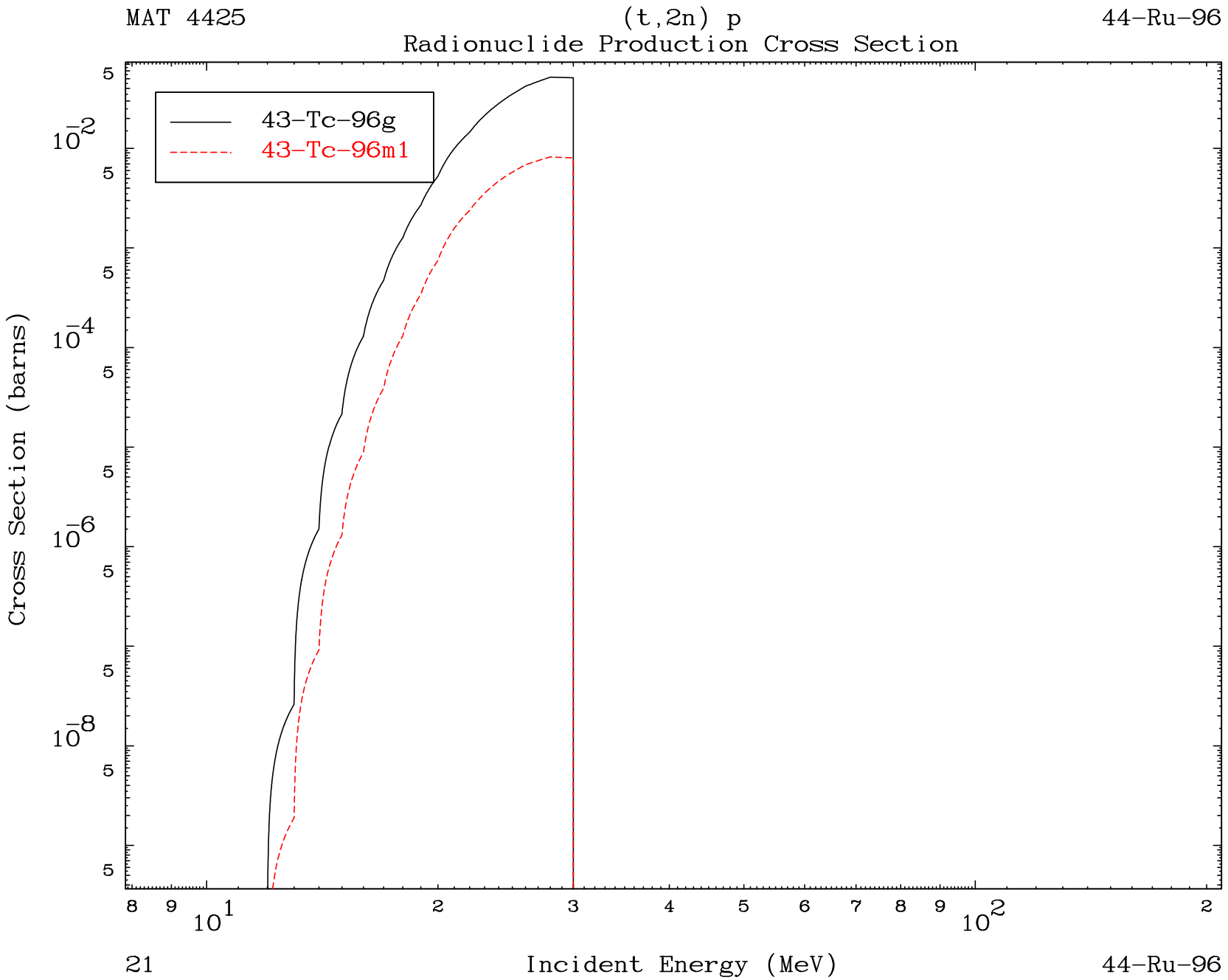

MAT 4425
(t,2n) α
44-Ru-96
Radionuclide Production Cross Section
43-Tc-93g
43-Tc-93m1
Cross Section (barns)
Incident Energy (MeV)
16
44-Ru-96

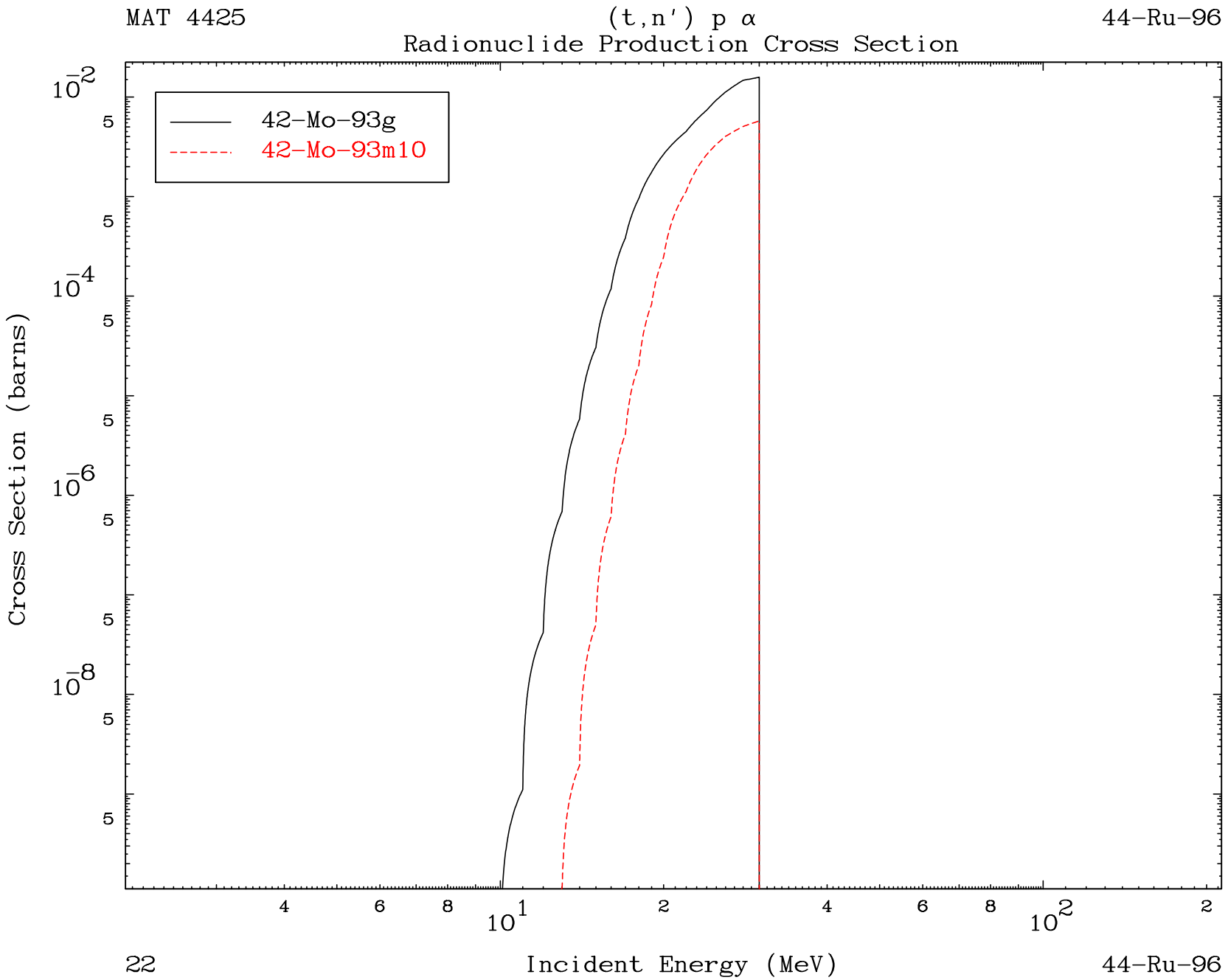

MAT 4425
(t,n') 2α
44-Ru-96
Radionuclide Production Cross Section
41-Nb-90g
41-Nb-90m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^1
10^2
Incident Energy (MeV)
17
44-Ru-96

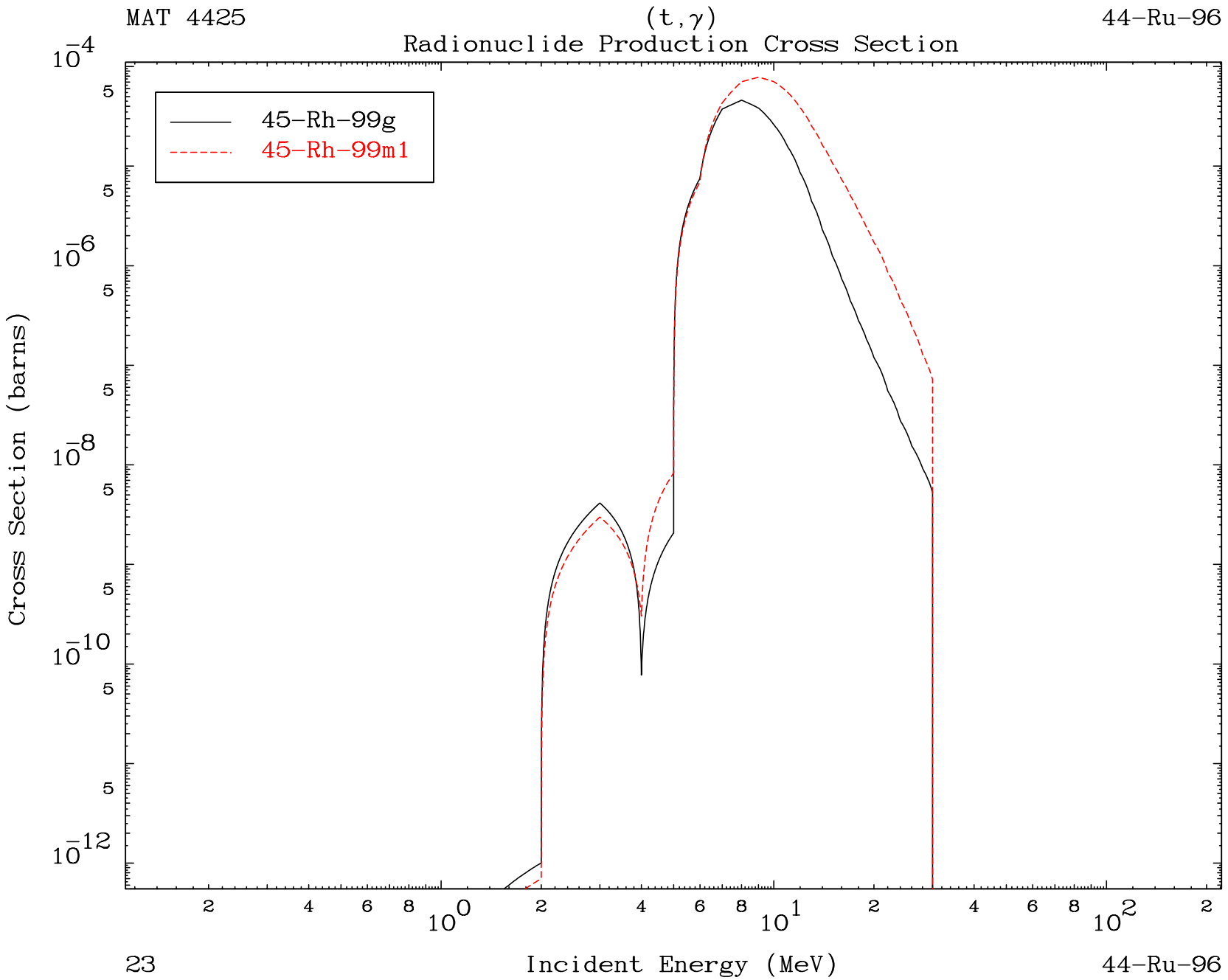

MAT 4425
(t,2n) 2α
44-Ru-96
Radionuclide Production Cross Section
41-Nb-89g
41-Nb-89m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
44-Ru-96

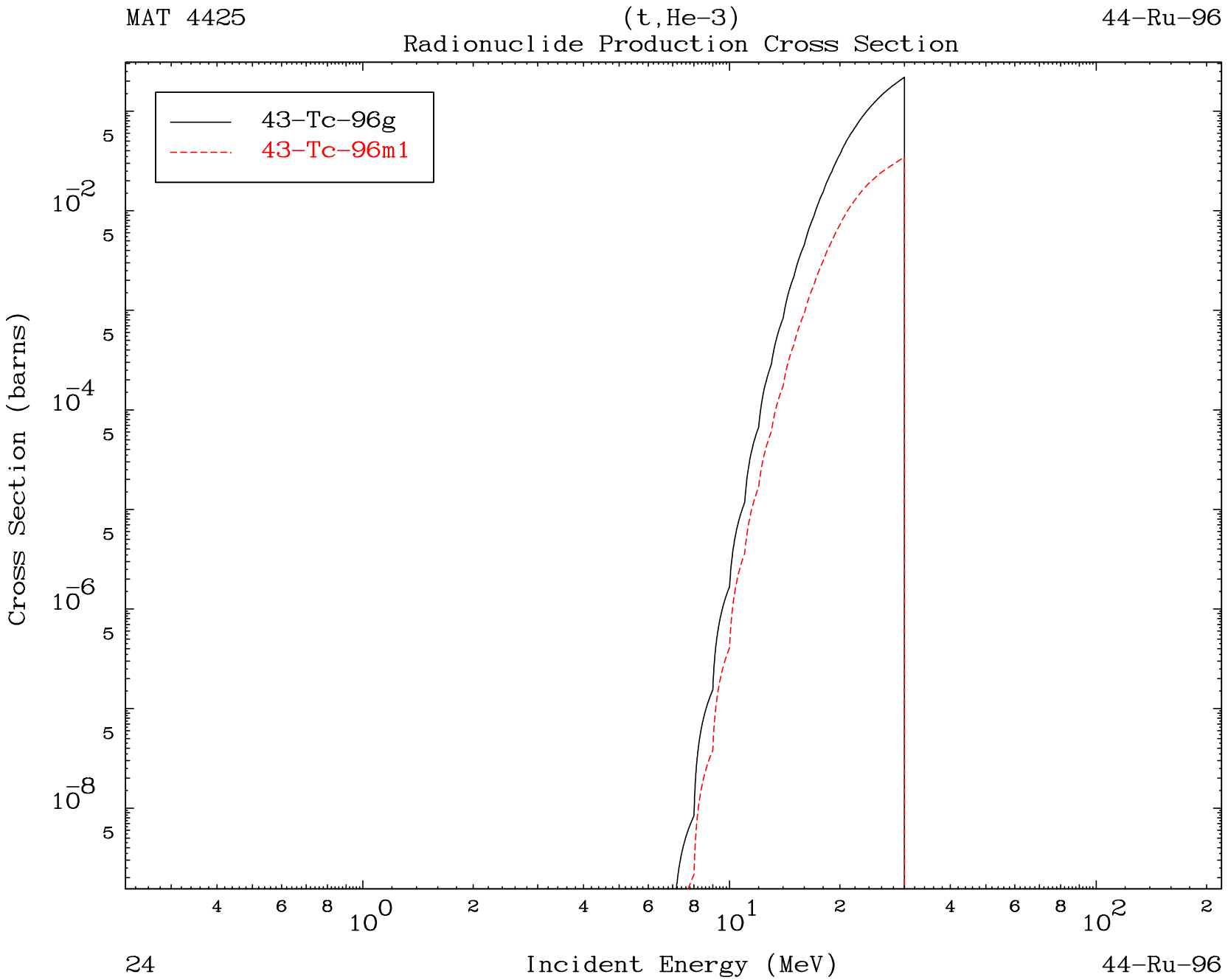

MAT 4425
(t,n') He-3
44-Ru-96
Radionuclide Production Cross Section
43-Tc-95g
43-Tc-95m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
44-Ru-96

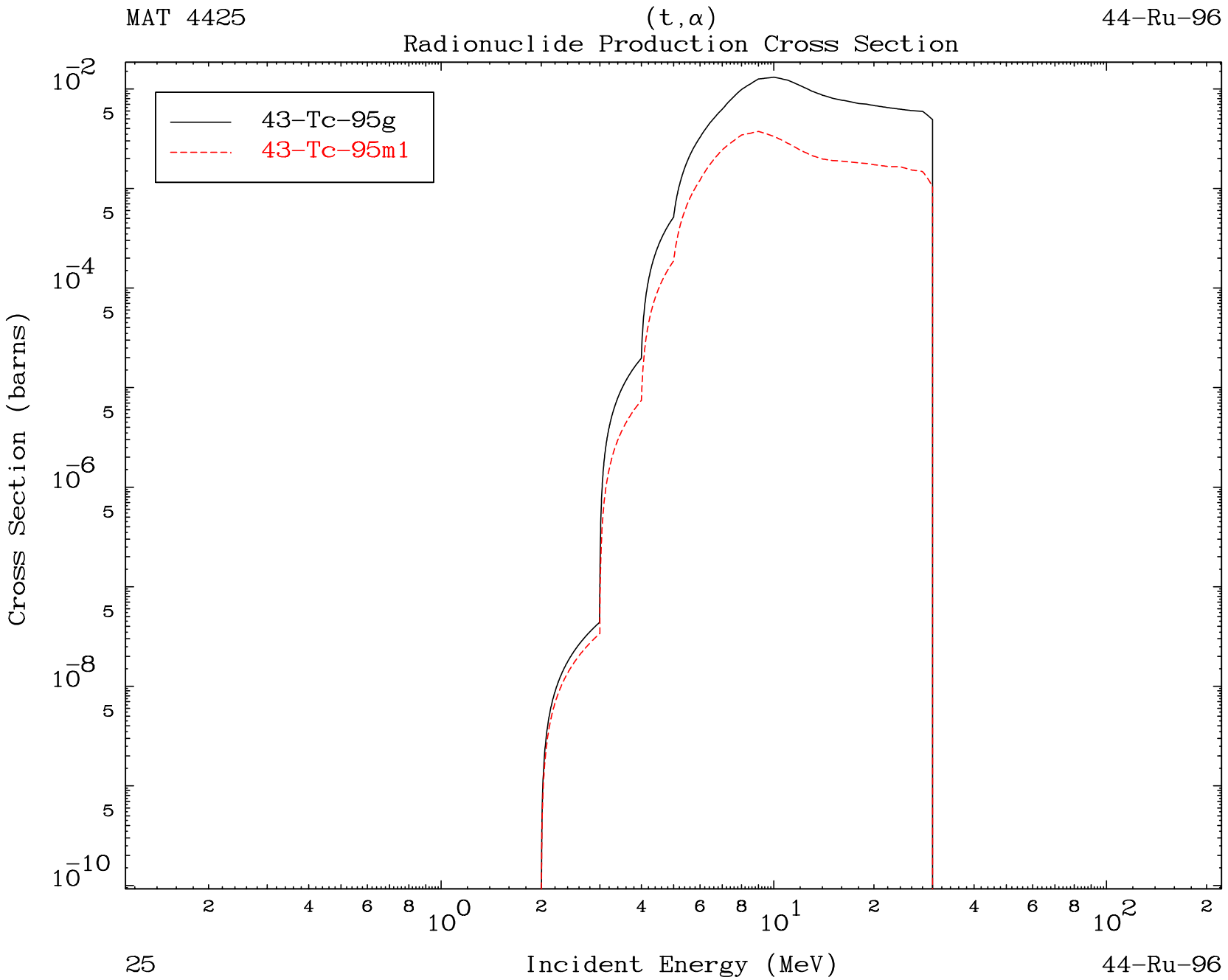

MAT 4425
(t,4n)
44-Ru-96
Radionuclide Production Cross Section
45-Rh-95g
45-Rh-95m1
Cross Section (barns)
10-3
5
10-4
5
10-5
5
10-6
5
10-7
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
44-Ru-96

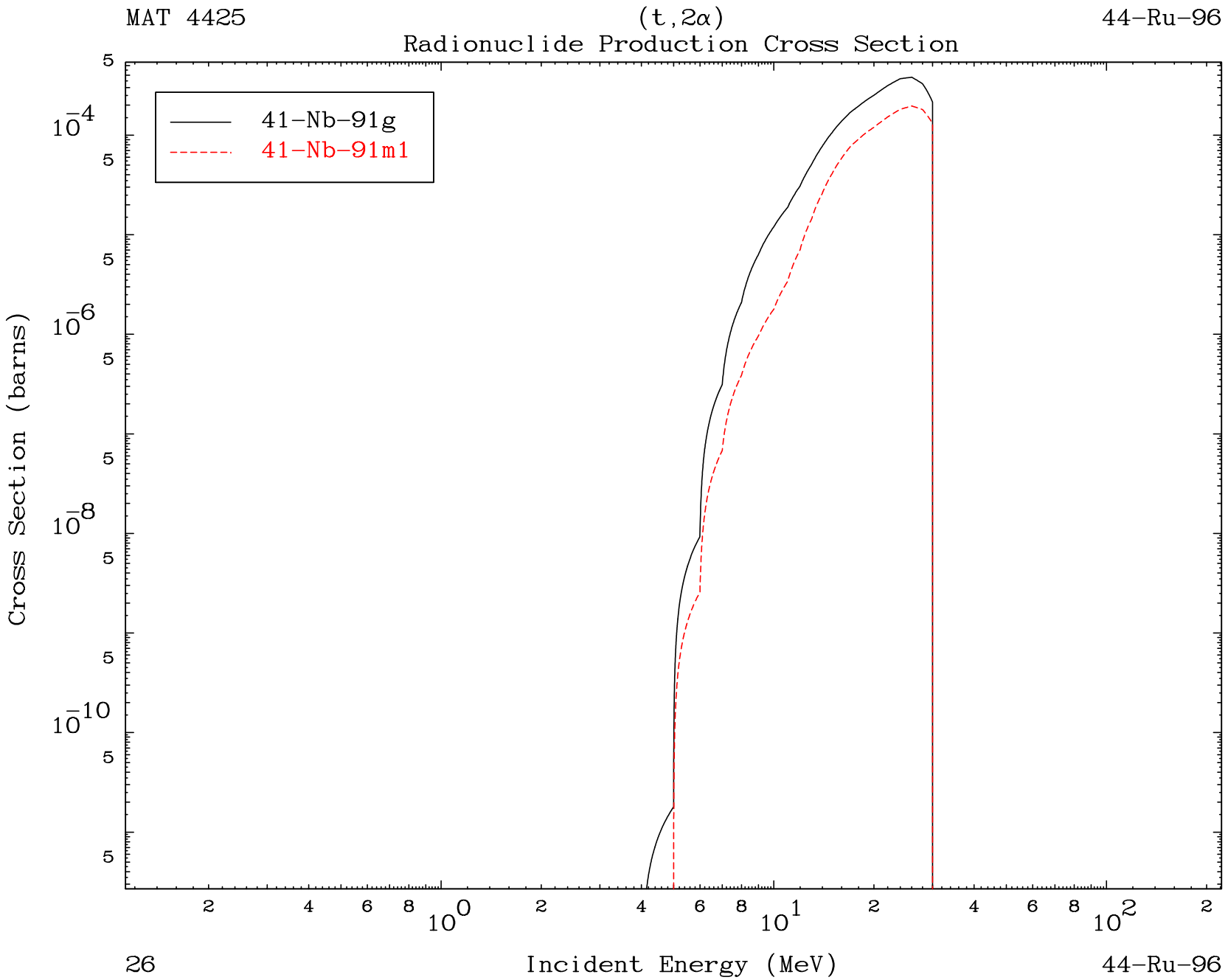

MAT 4425
(t,2n) p
44-Ru-96
Radionuclide Production Cross Section
43-Tc-96g
43-Tc-96m1
Cross Section (barns)
Incident Energy (MeV)
21
44-Ru-96

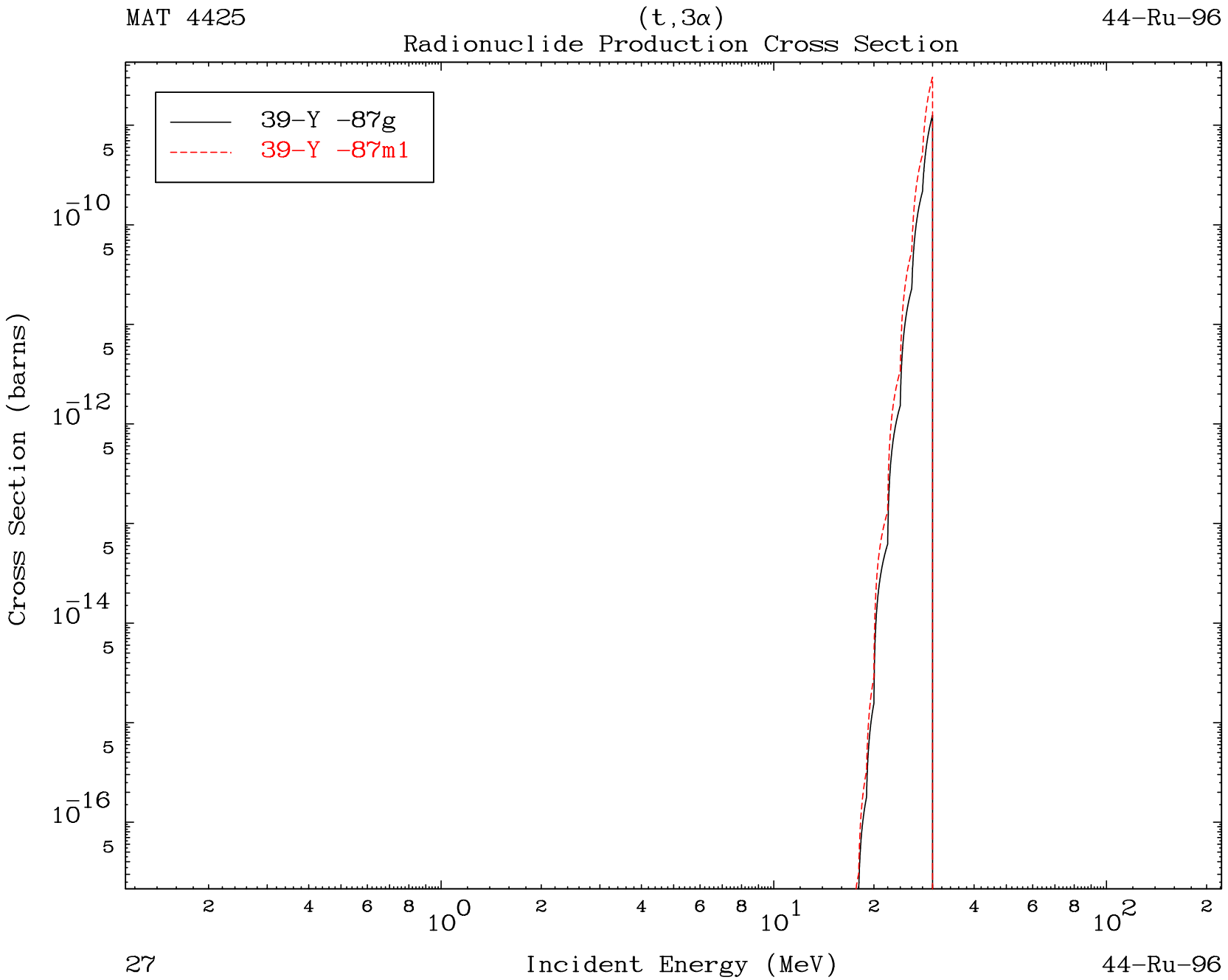

MAT 4425
(t,n') p α
44-Ru-96
Radionuclide Production Cross Section
42-Mo-93g
42-Mo-93m10
Cross Section (barns)
Incident Energy (MeV)
22
44-Ru-96

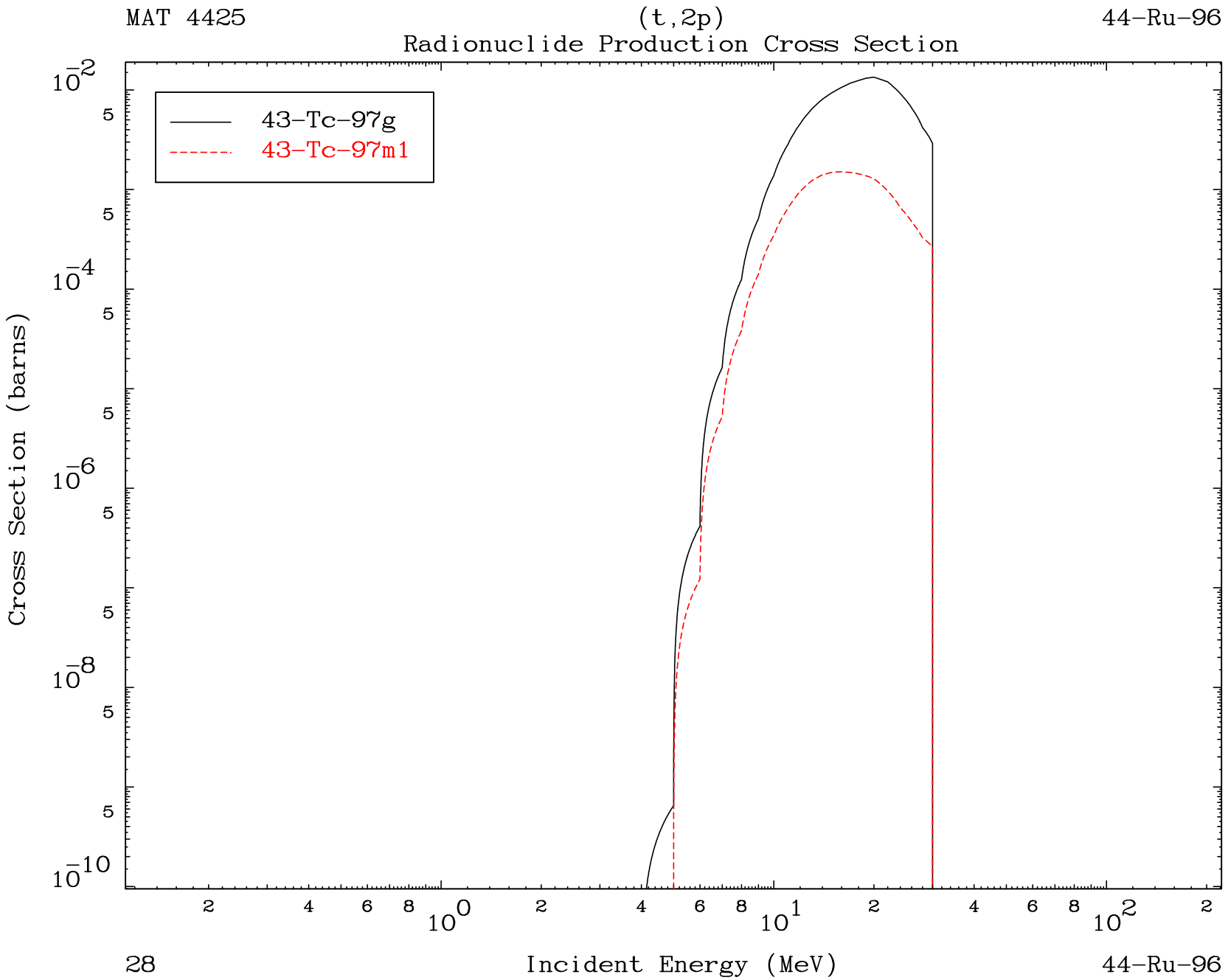

MAT 4425
(t,γ)
44-Ru-96
Radionuclide Production Cross Section
45-Rh-99g
45-Rh-99m1
Cross Section (barns)
Incident Energy (MeV)
23
44-Ru-96

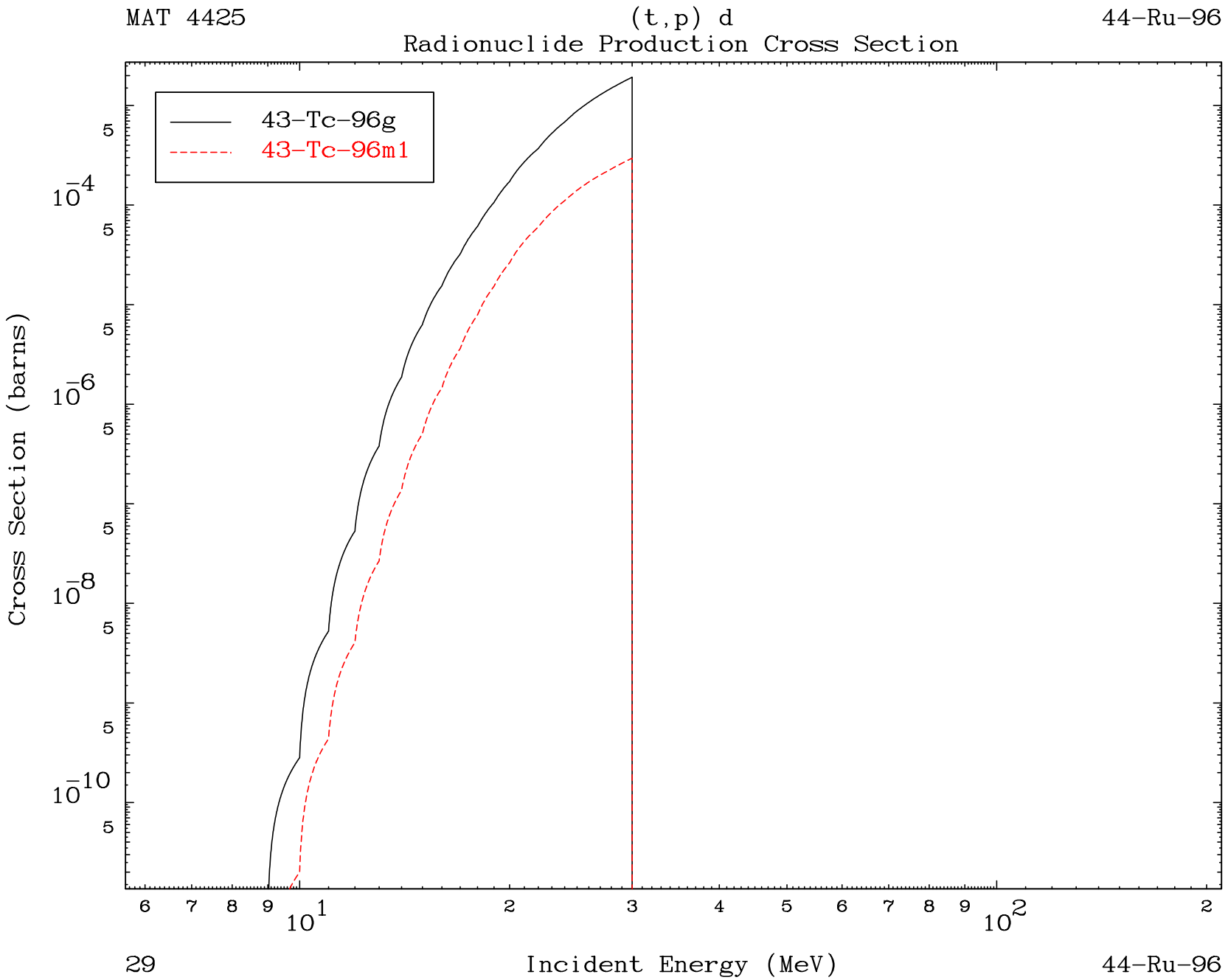

MAT 4425
(t,He-3)
44-Ru-96
Radionuclide Production Cross Section
43-Tc-96g
43-Tc-96m1
Cross Section (barns)
Incident Energy (MeV)
24
44-Ru-96

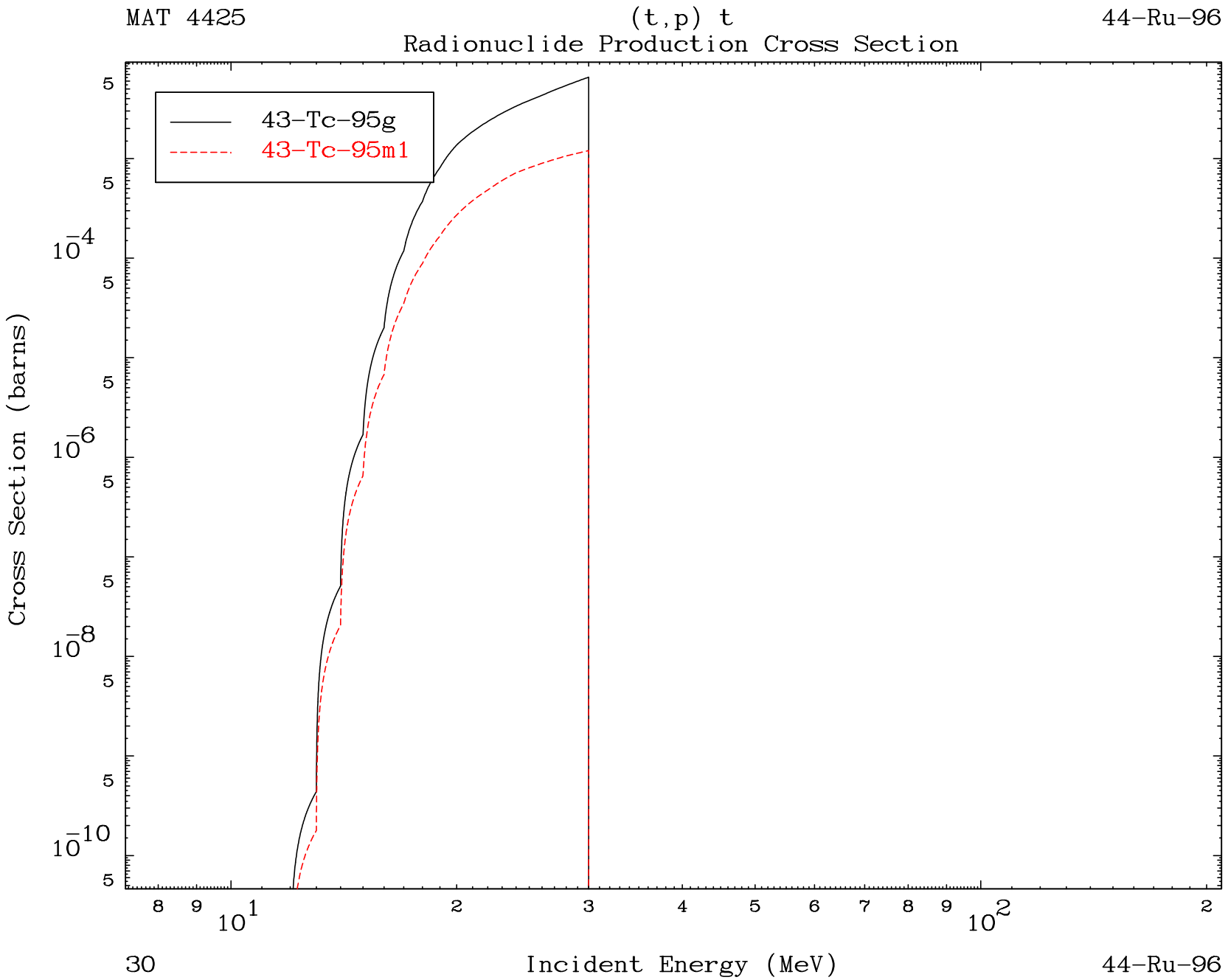

MAT 4425
(t,α)
44-Ru-96
Radionuclide Production Cross Section
43-Tc-95g
43-Tc-95m1
Cross Section (barns)
Incident Energy (MeV)
25
44-Ru-96

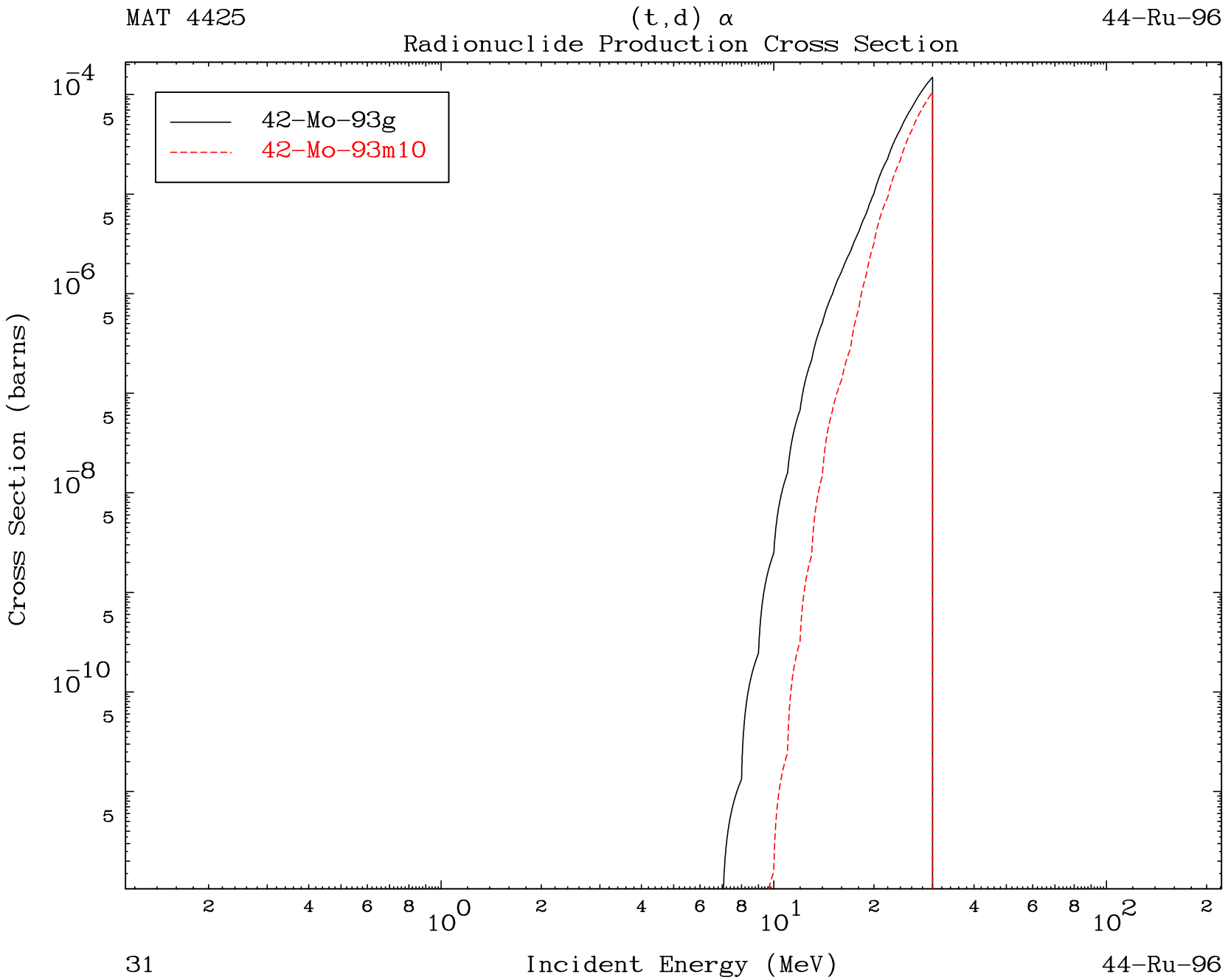

MAT 4425
(t,2α)
44-Ru-96
Radionuclide Production Cross Section
41-Nb-91g
41-Nb-91m1
Cross Section (barns)
Incident Energy (MeV)
26
44-Ru-96


MAT 4425
(t,3α)
44-Ru-96
Radionuclide Production Cross Section
39-Y -87g
39-Y -87m1
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
10^0
10^1
10^2
Incident Energy (MeV)
27
44-Ru-96


MAT 4425
(t,2p)
44-Ru-96
Radionuclide Production Cross Section
43-Tc-97g
43-Tc-97m1
Cross Section (barns)
Incident Energy (MeV)
28
44-Ru-96


MAT 4425
(t,p) d
44-Ru-96
Radionuclide Production Cross Section
43-Tc-96g
43-Tc-96m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
10 1
10 2
29
44-Ru-96


MAT 4425
(t,p) t
44-Ru-96
Radionuclide Production Cross Section
43-Tc-95g
43-Tc-95m1
Cross Section (barns)
Incident Energy (MeV)
30
44-Ru-96


MAT 4425
(t,d) α
44-Ru-96
Radionuclide Production Cross Section
42-Mo-93g
42-Mo-93m10
Cross Section (barns)
Incident Energy (MeV)
31
44-Ru-96