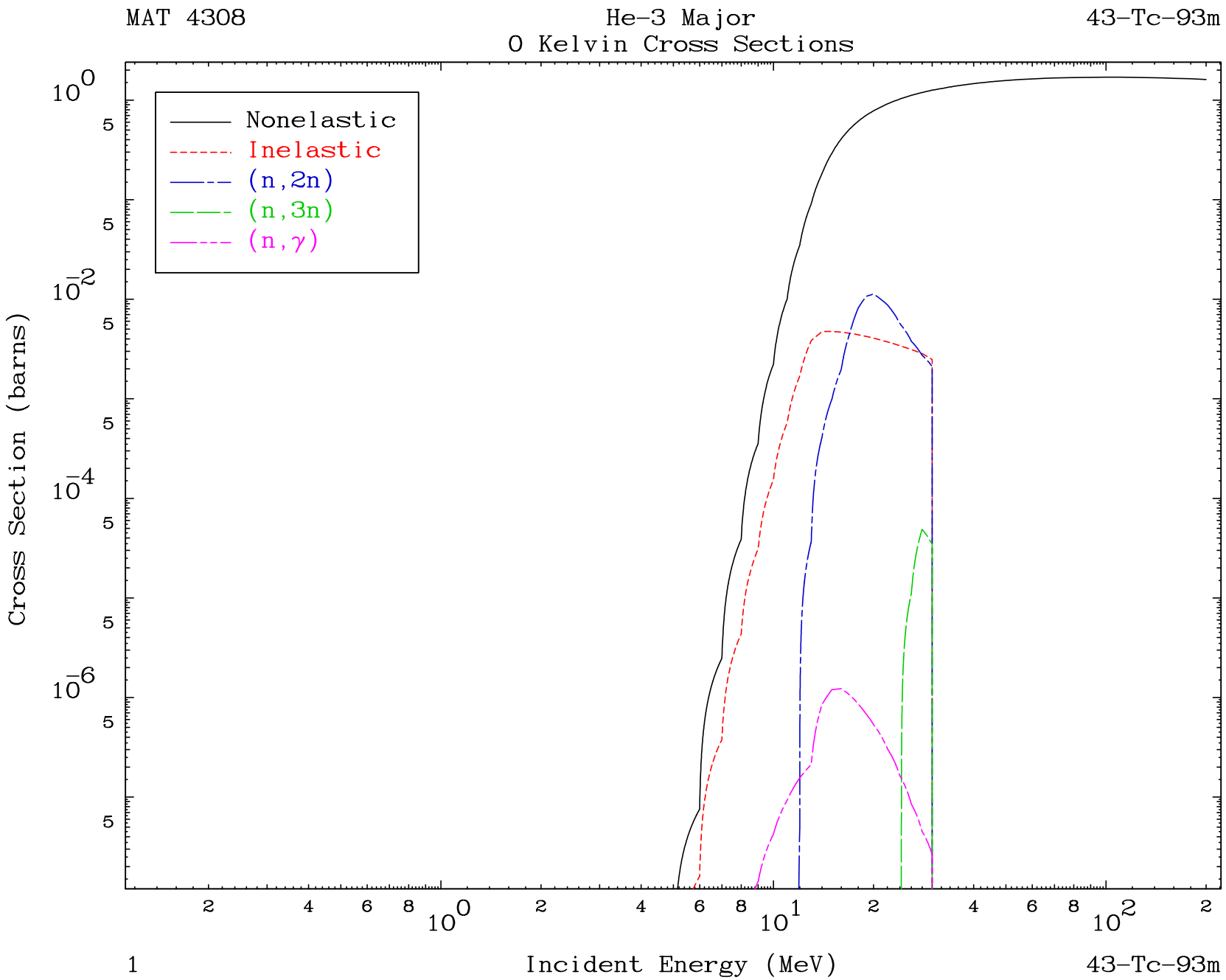
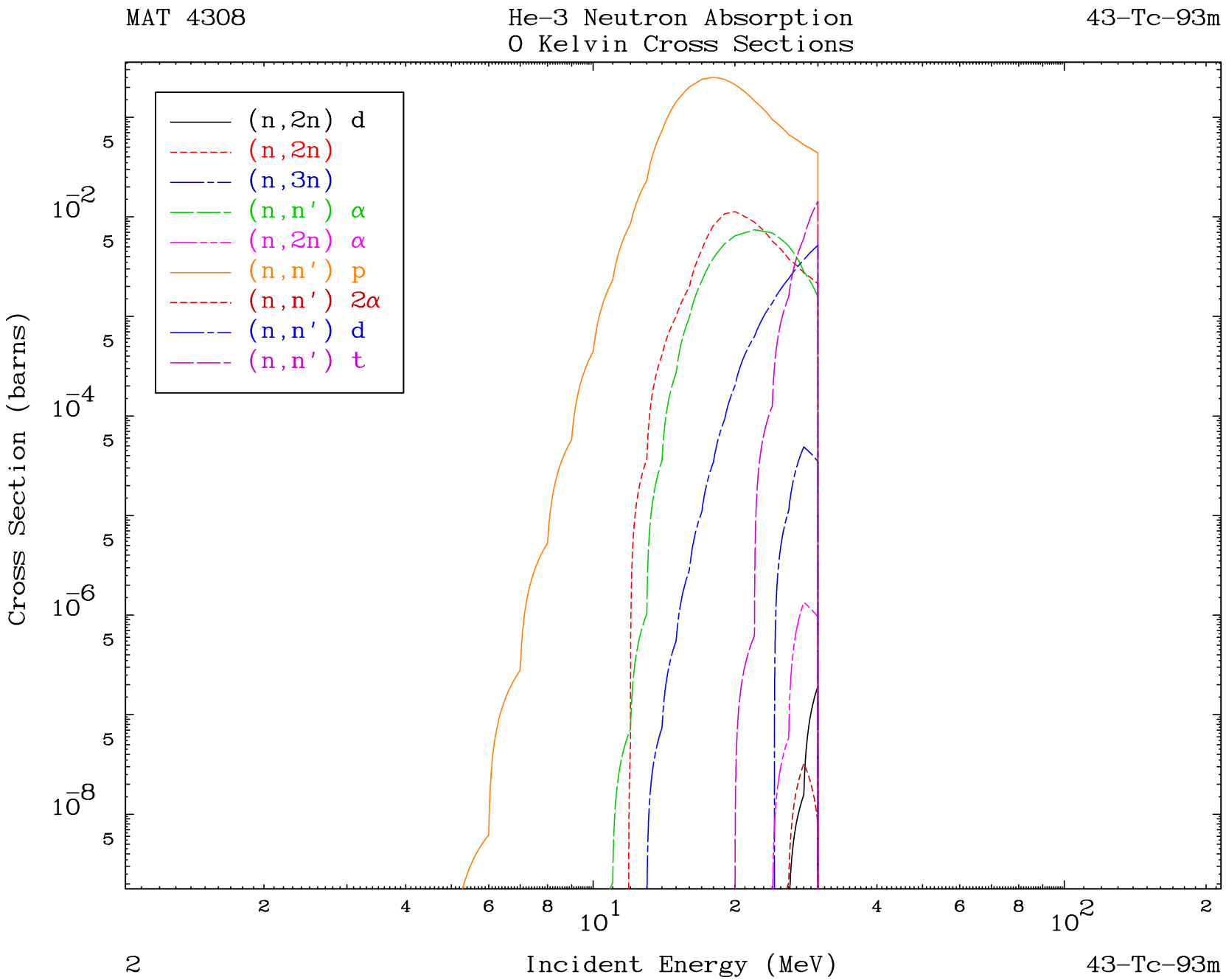
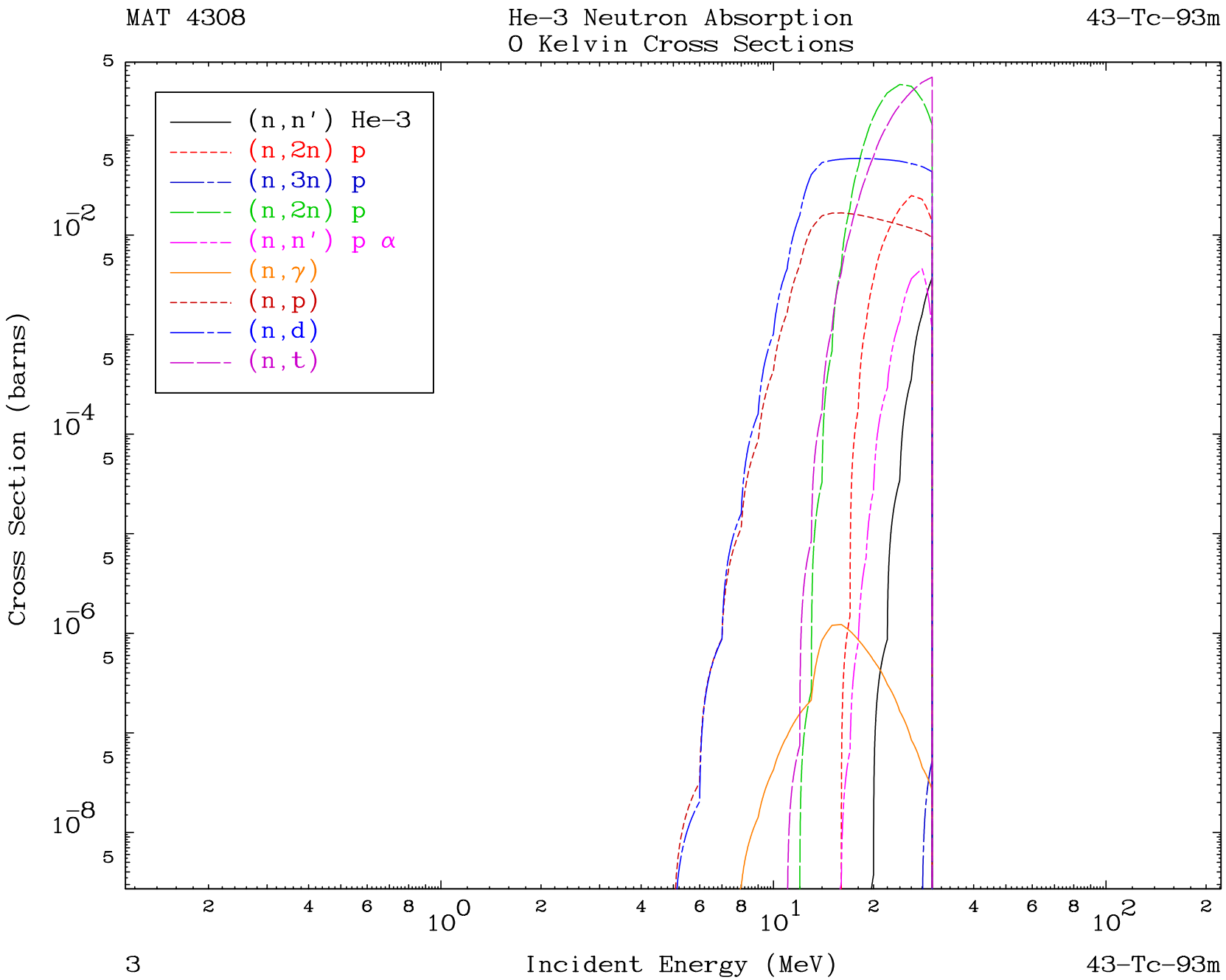
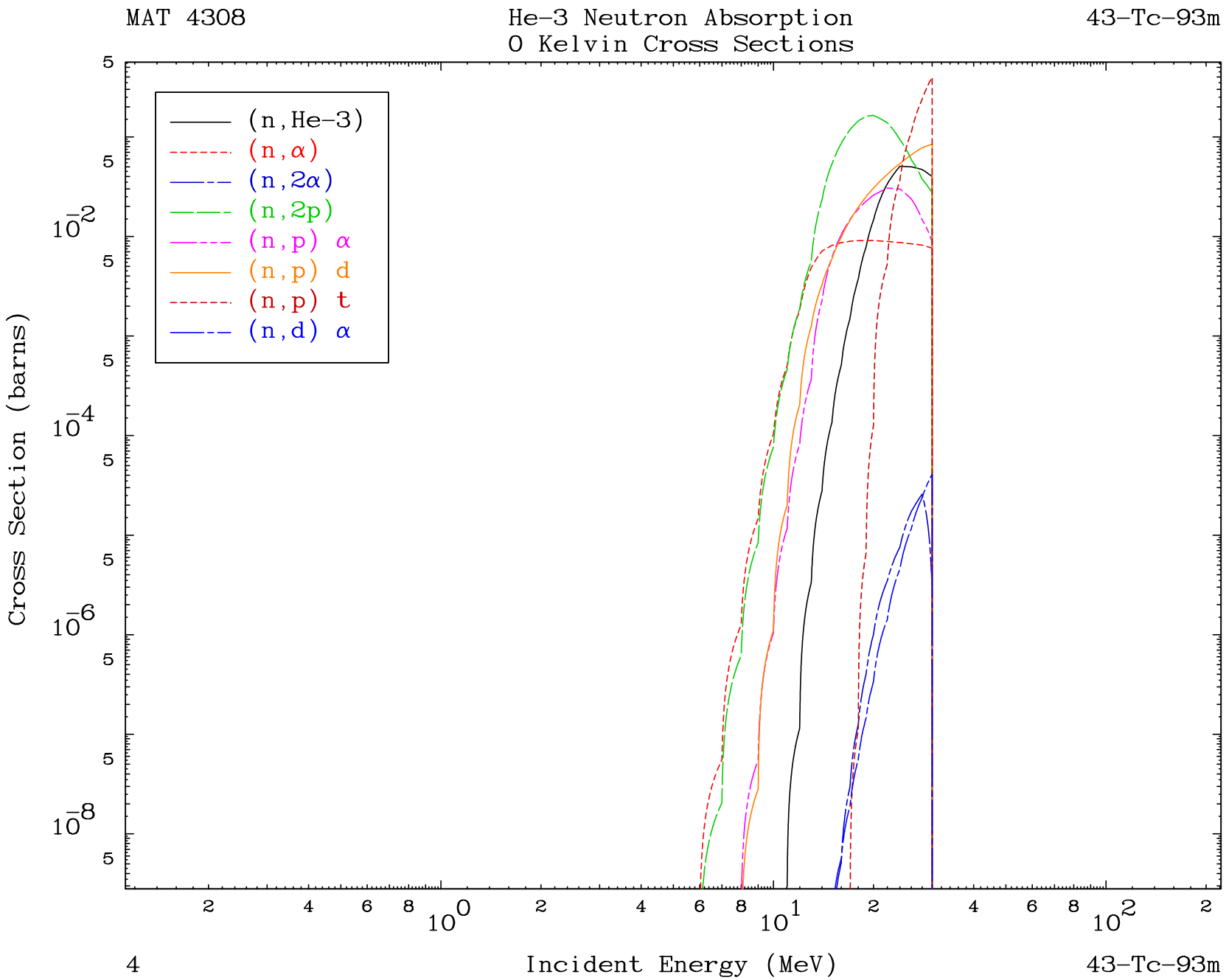
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

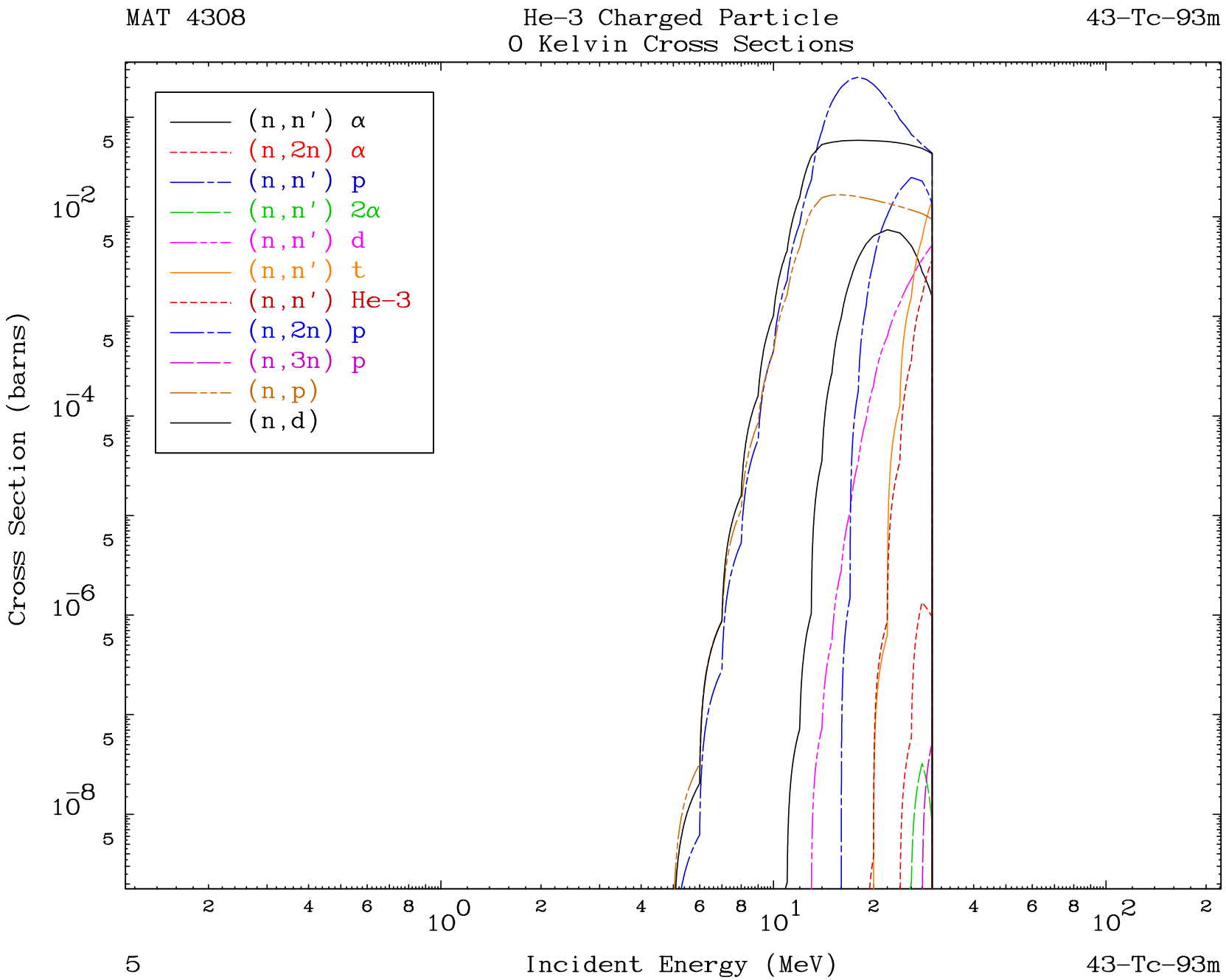
Press Mouse Button to Start

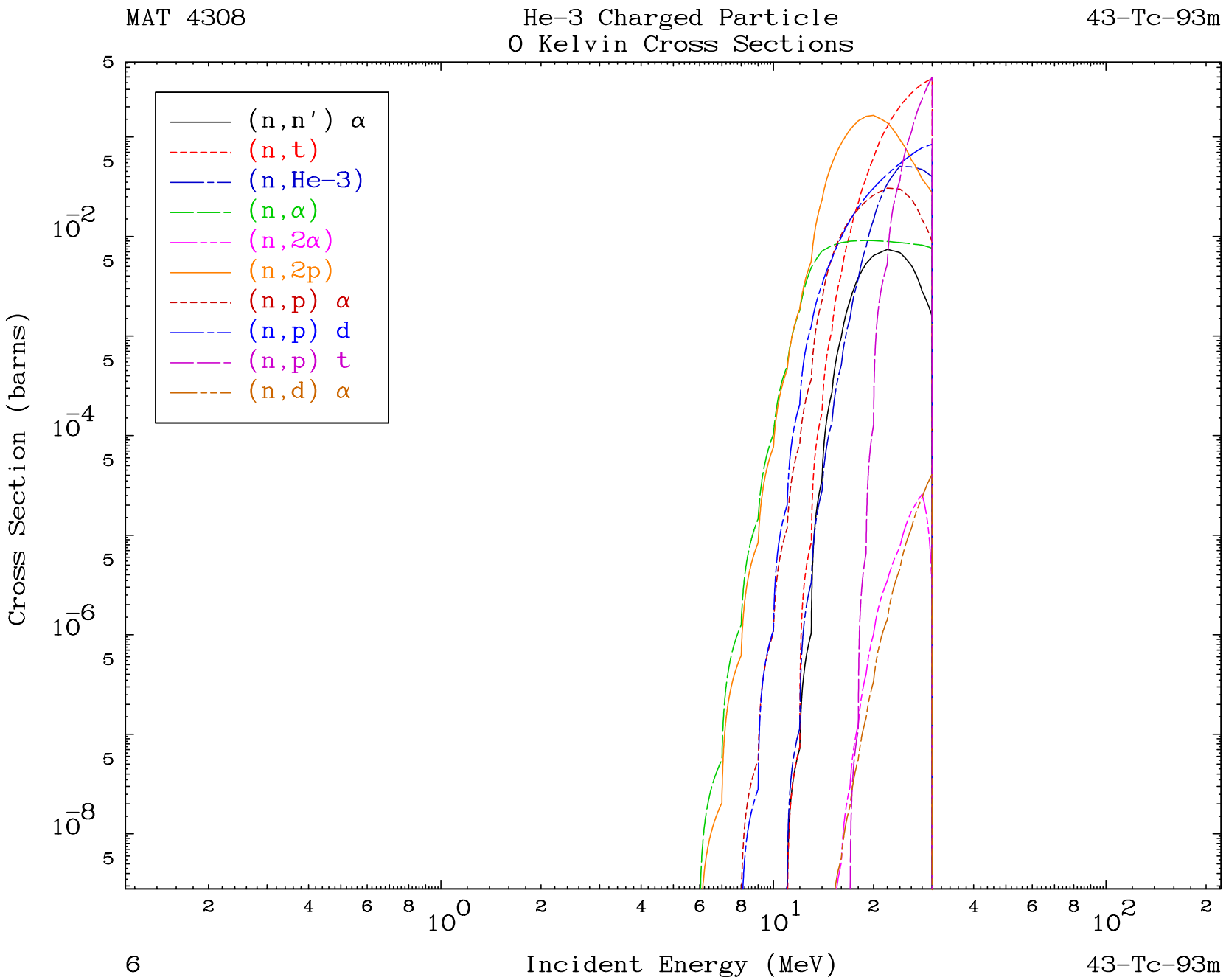

MAT 4308
He-3 Major
43-Tc-93m
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
43-Tc-93m

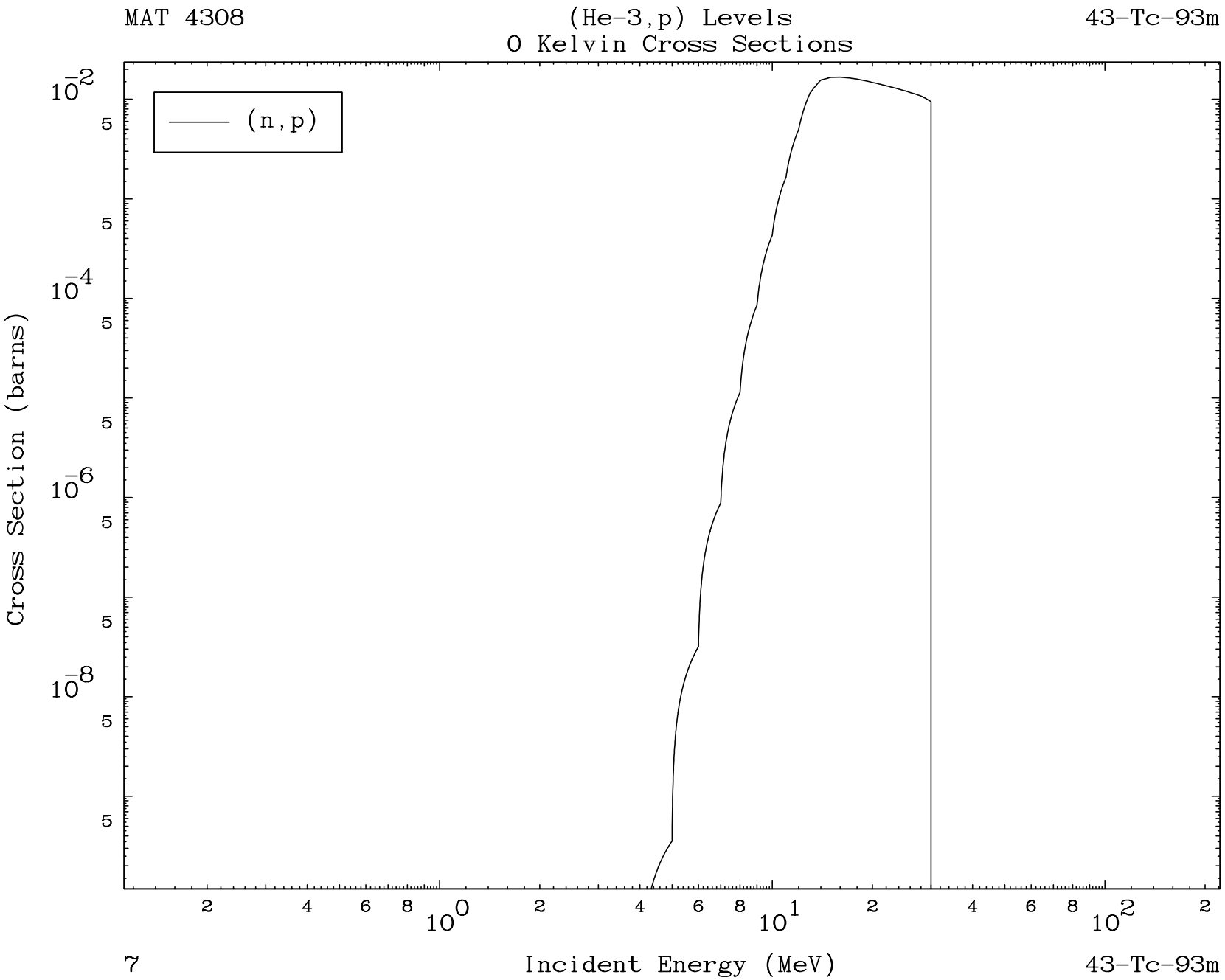

MAT 4308
He-3 Neutron Absorption
0 Kelvin Cross Sections
43-Tc-93m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
43-Tc-93m
2

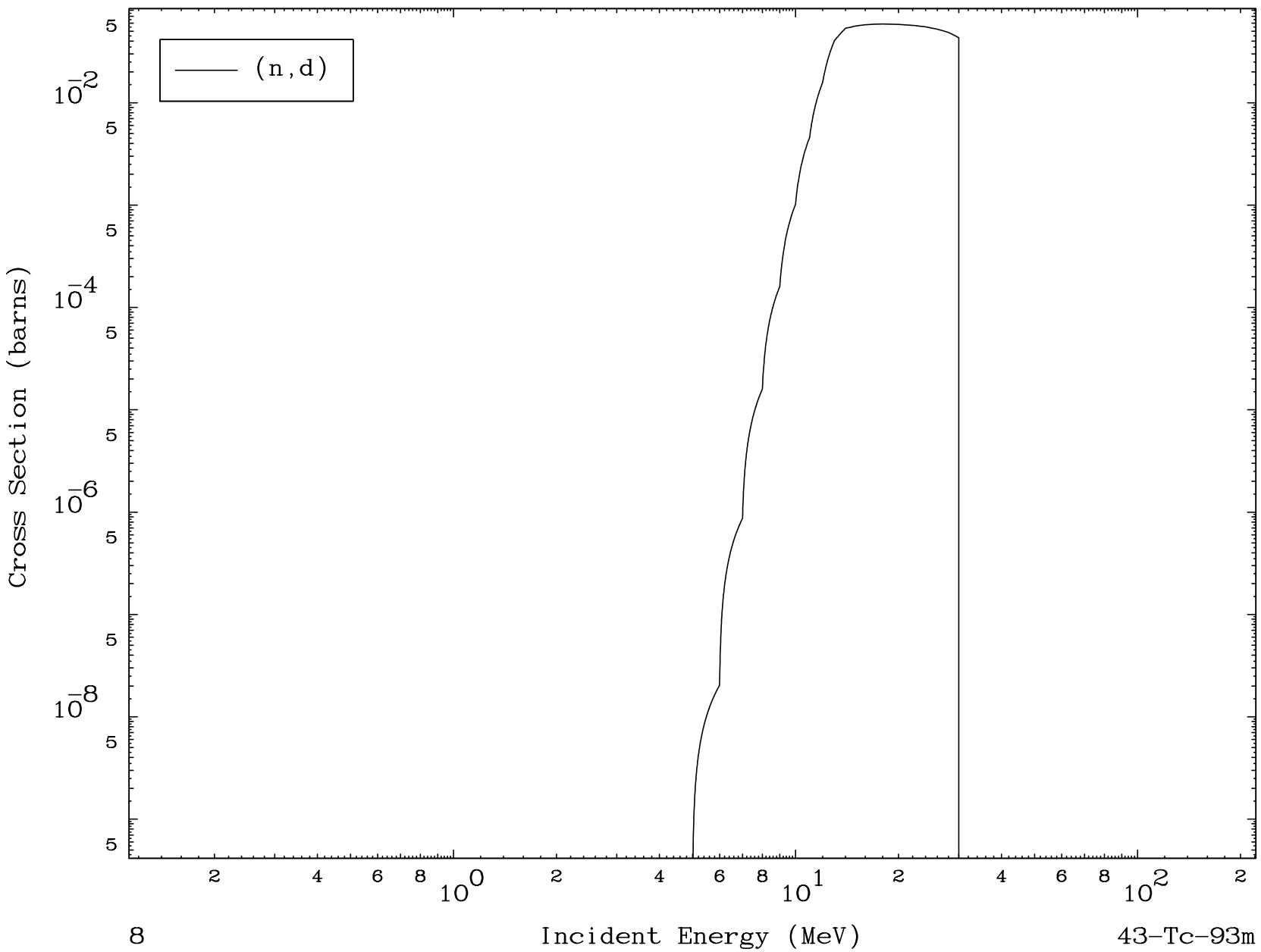

MAT 4308
He-3 Neutron Absorption
0 Kelvin Cross Sections
43-Tc-93m
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
3
43-Tc-93m

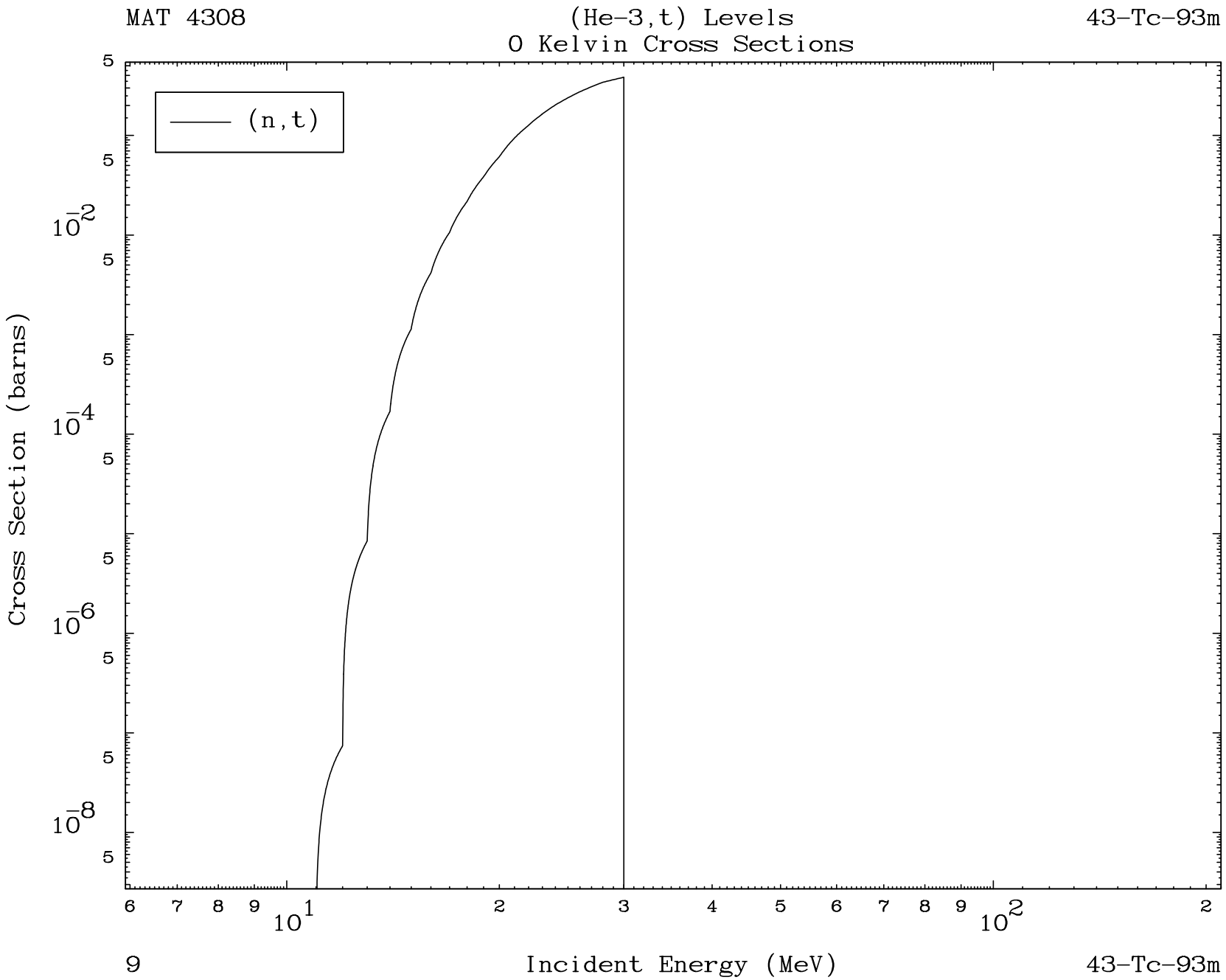

MAT 4308
He-3 Neutron Absorption
0 Kelvin Cross Sections
43-Tc-93m
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
4
43-Tc-93m

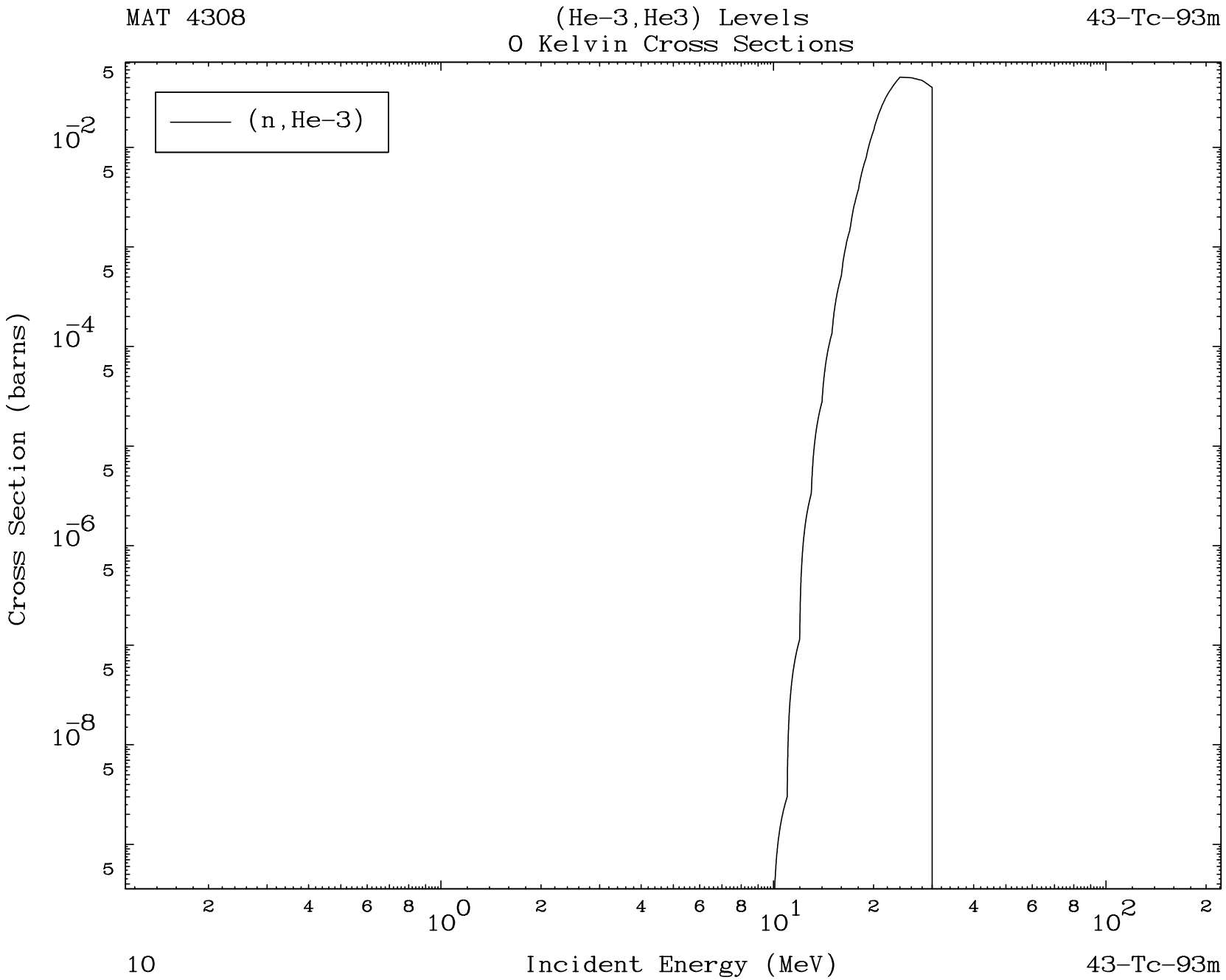

MAT 4308
He-3 Charged Particle
0 Kelvin Cross Sections
43-Tc-93m
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
Cross Section (barns)
Incident Energy (MeV)
5
43-Tc-93m

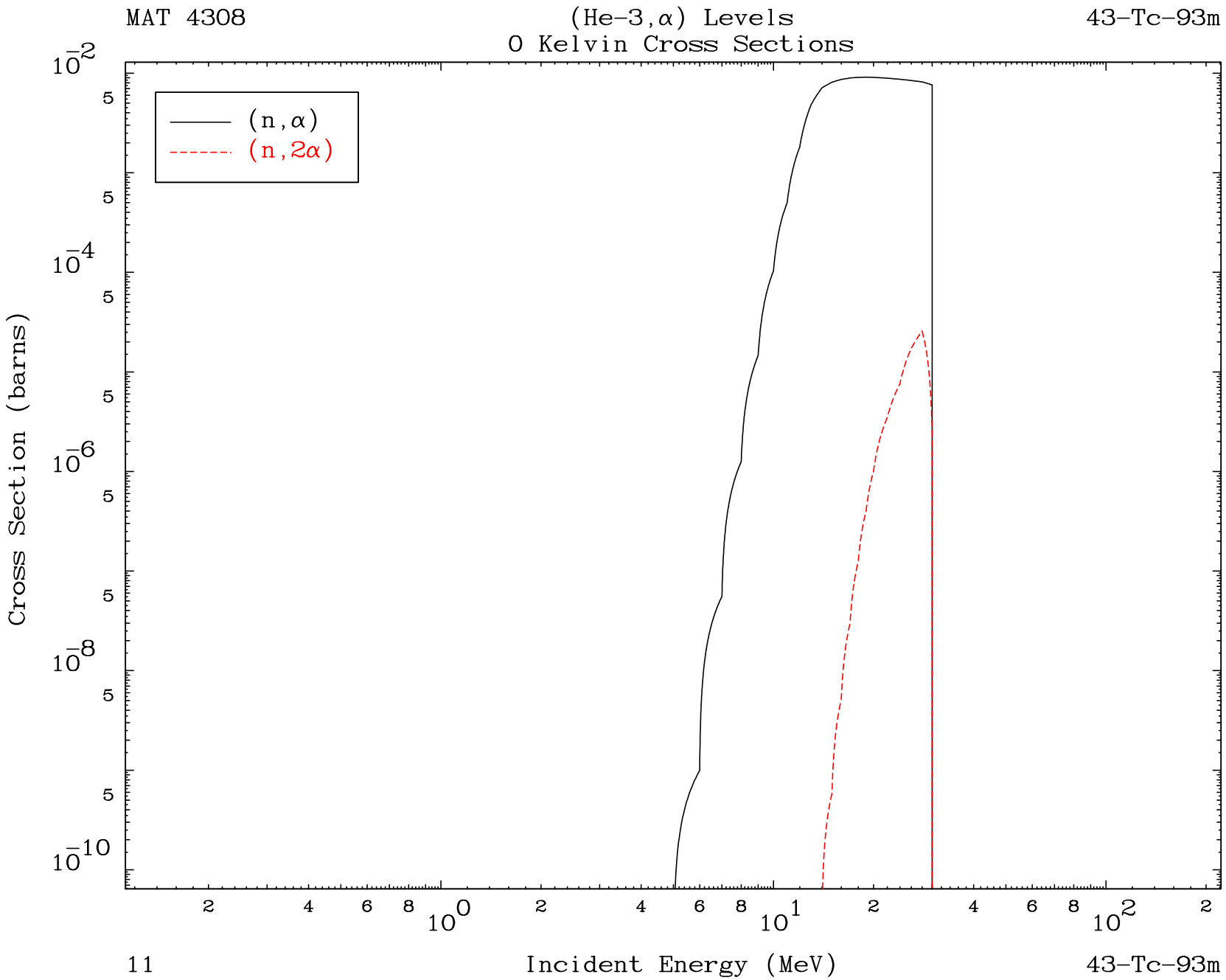

MAT 4308
He-3 Charged Particle
0 Kelvin Cross Sections
43-Tc-93m
(n,n') α
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
43-Tc-93m

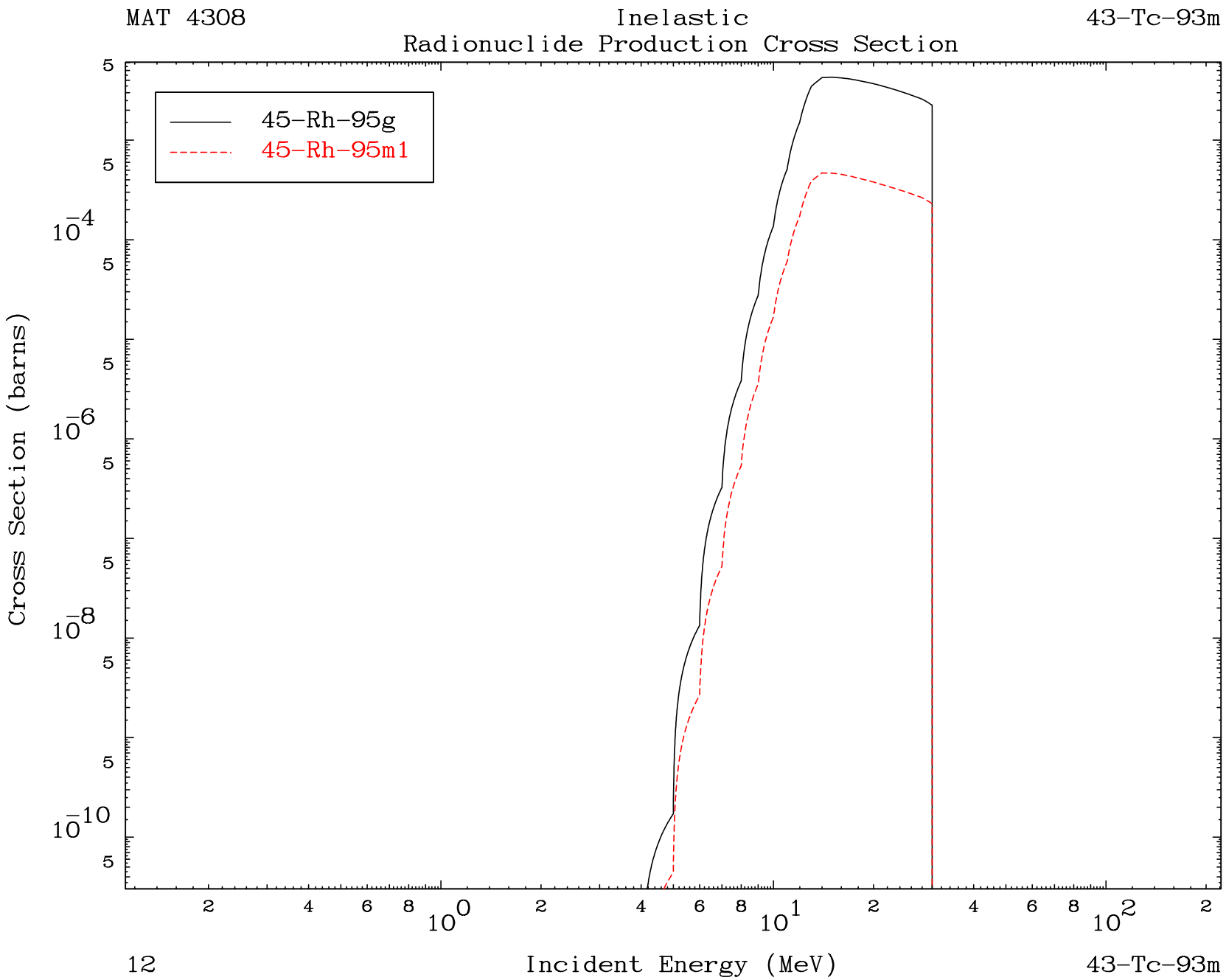

MAT 4308
(He-3,p) Levels
0 Kelvin Cross Sections
43-Tc-93m
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
43-Tc-93m

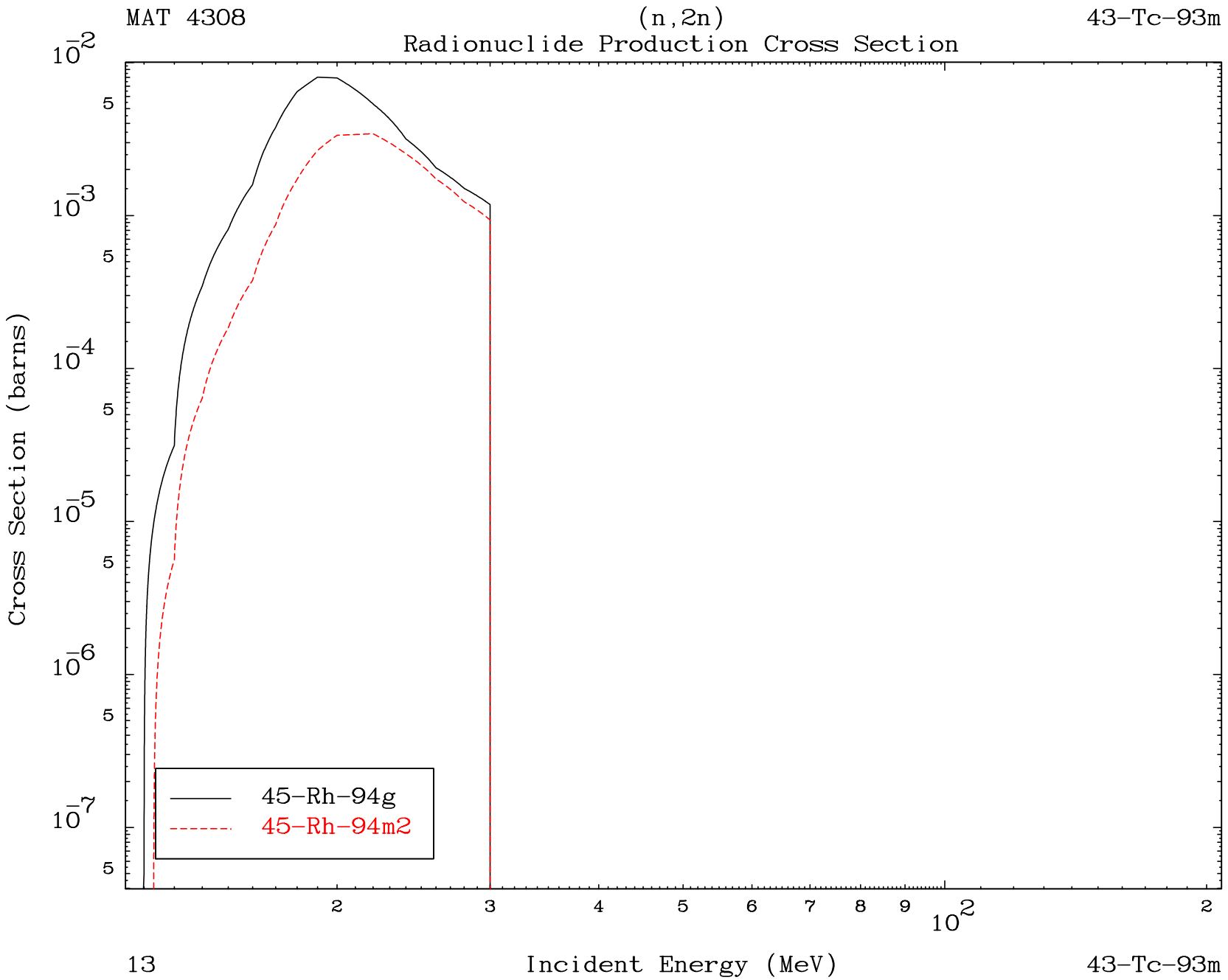

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)

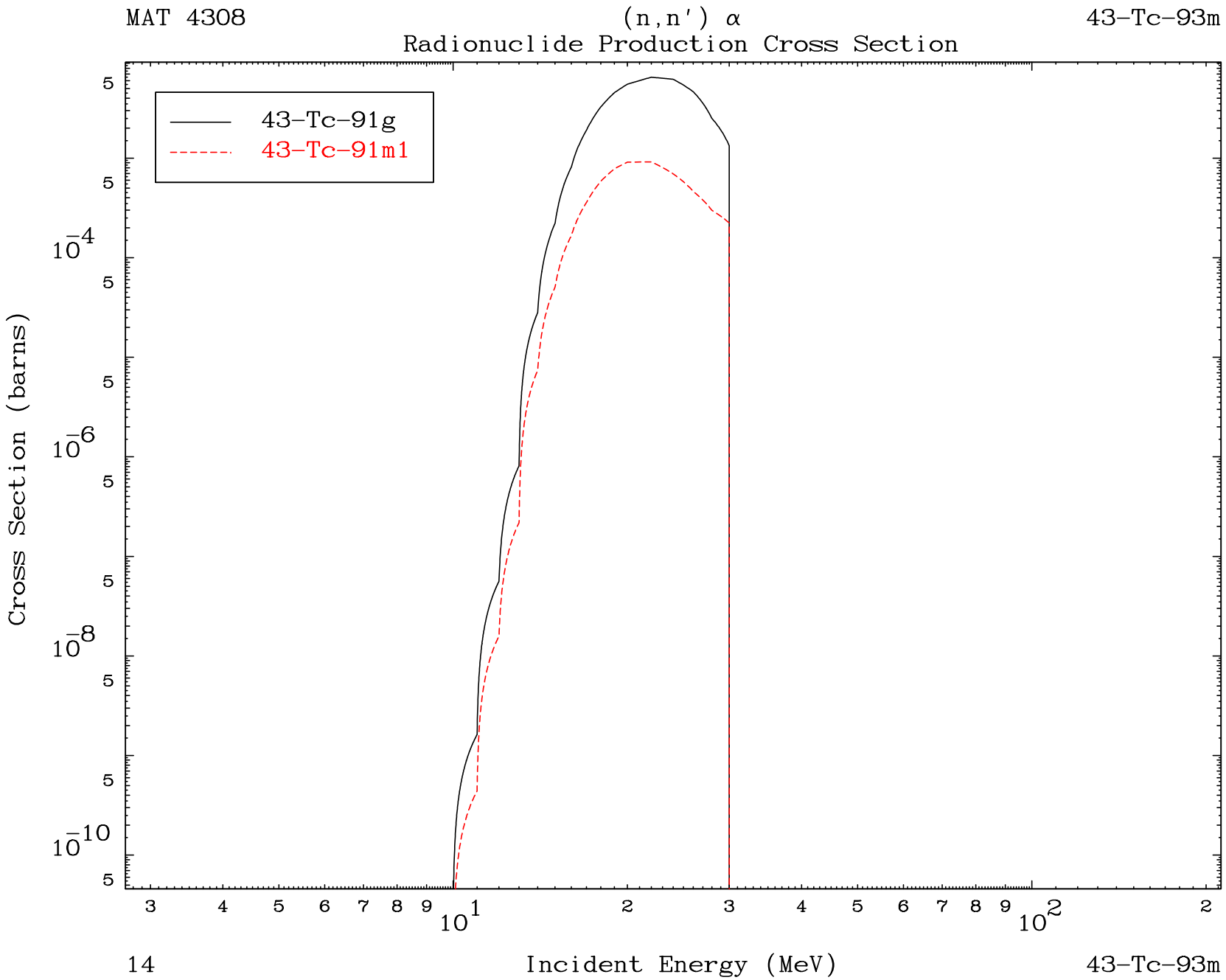

MAT 4308
(He-3,t) Levels
43-Tc-93m
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
9
43-Tc-93m

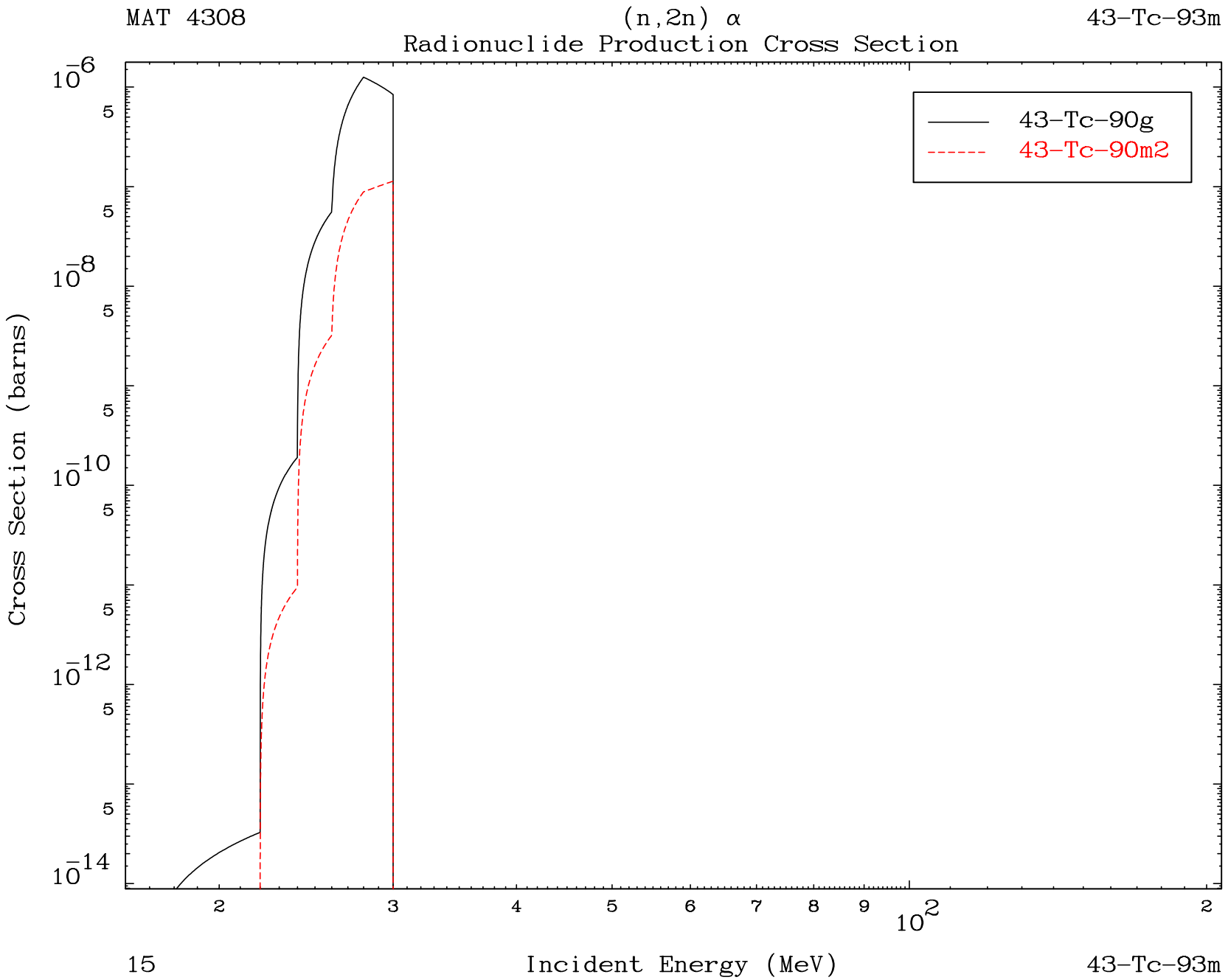

MAT 4308
(He-3,He3) Levels
43-Tc-93m
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
43-Tc-93m

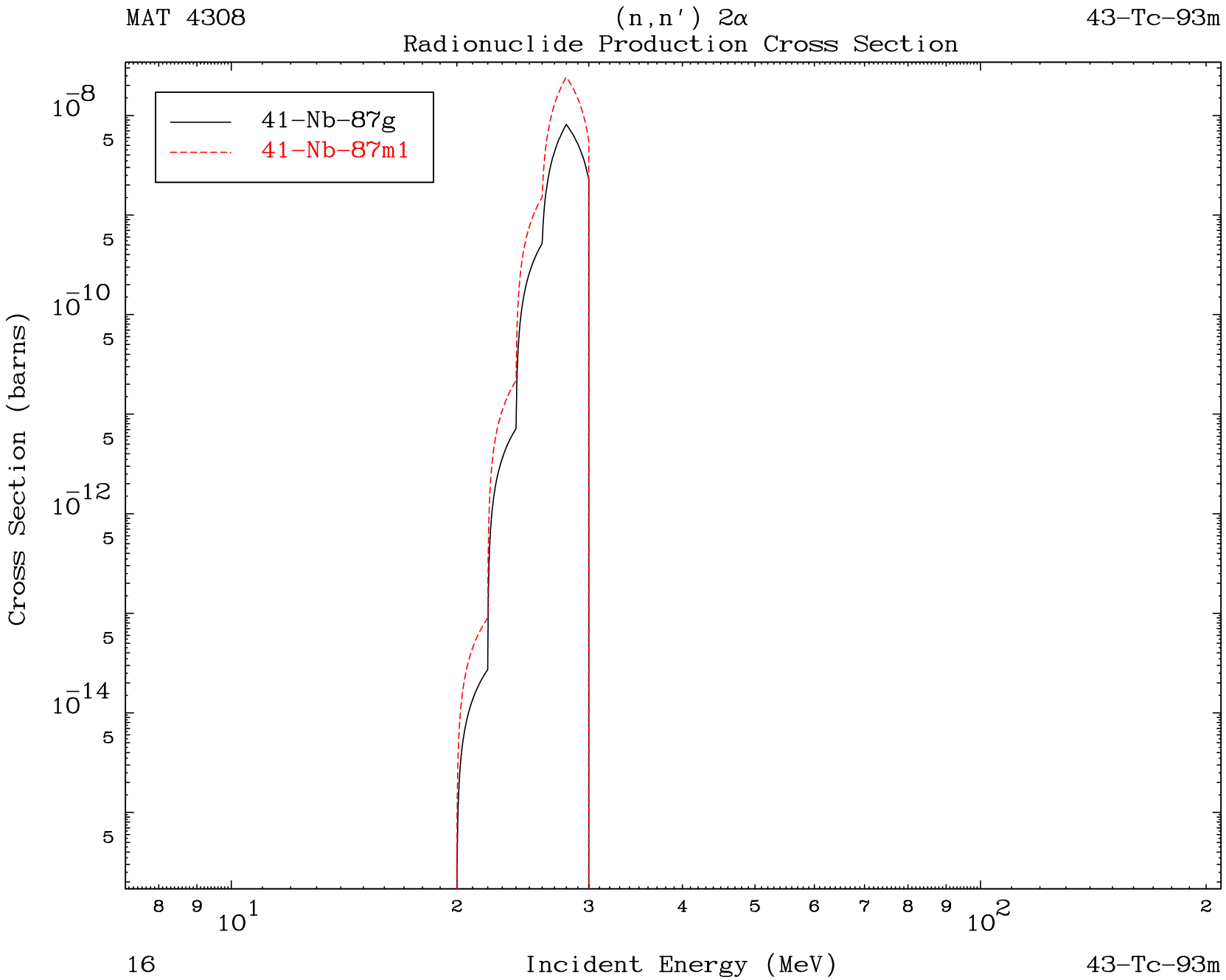

MAT 4308
(He-3,α) Levels
0 Kelvin Cross Sections
43-Tc-93m
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
11
43-Tc-93m

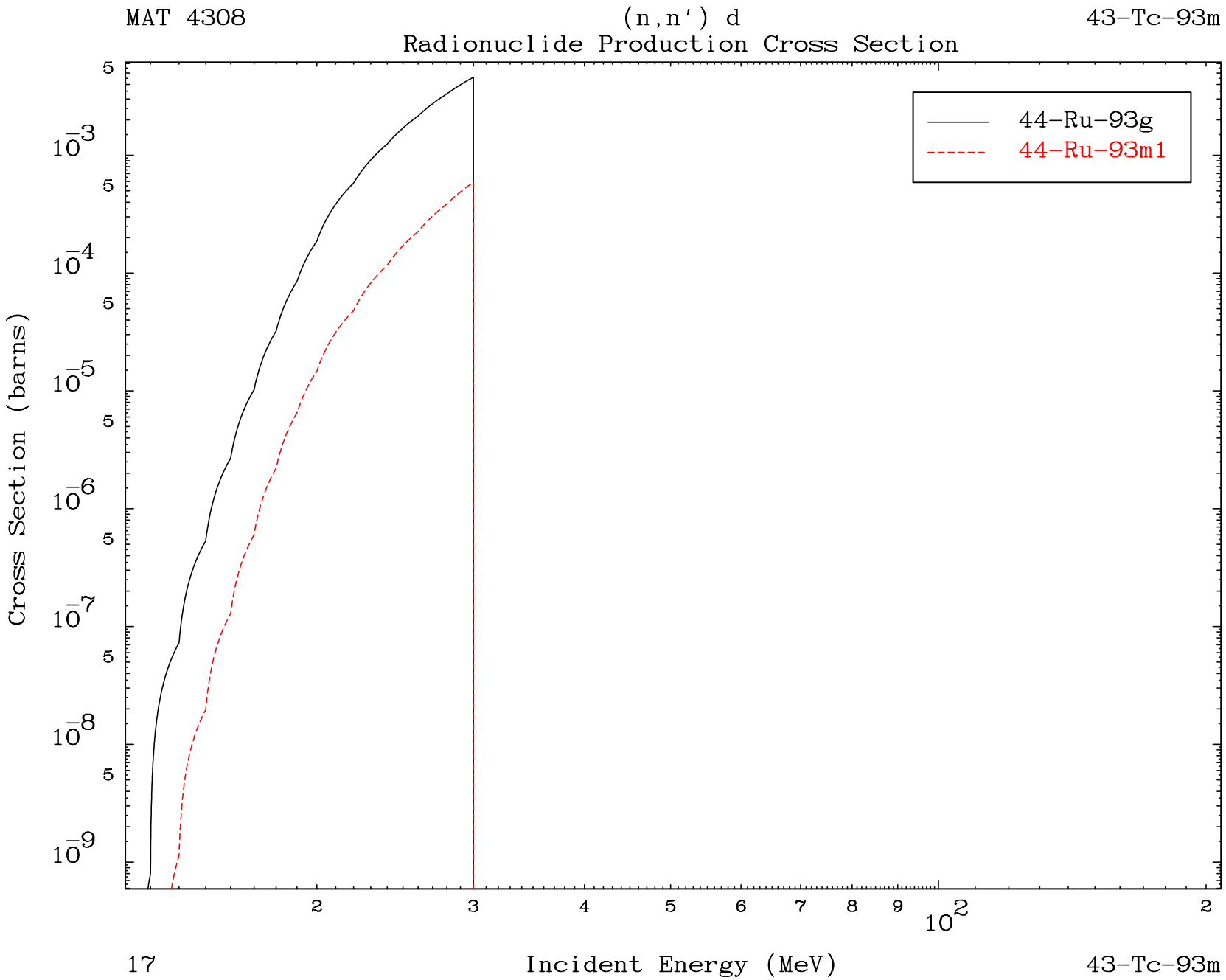

MAT 4308
Inelastic
43-Tc-93m
Radionuclide Production Cross Section
45-Rh-95g
45-Rh-95m1
Cross Section (barns)
Incident Energy (MeV)
12
43-Tc-93m

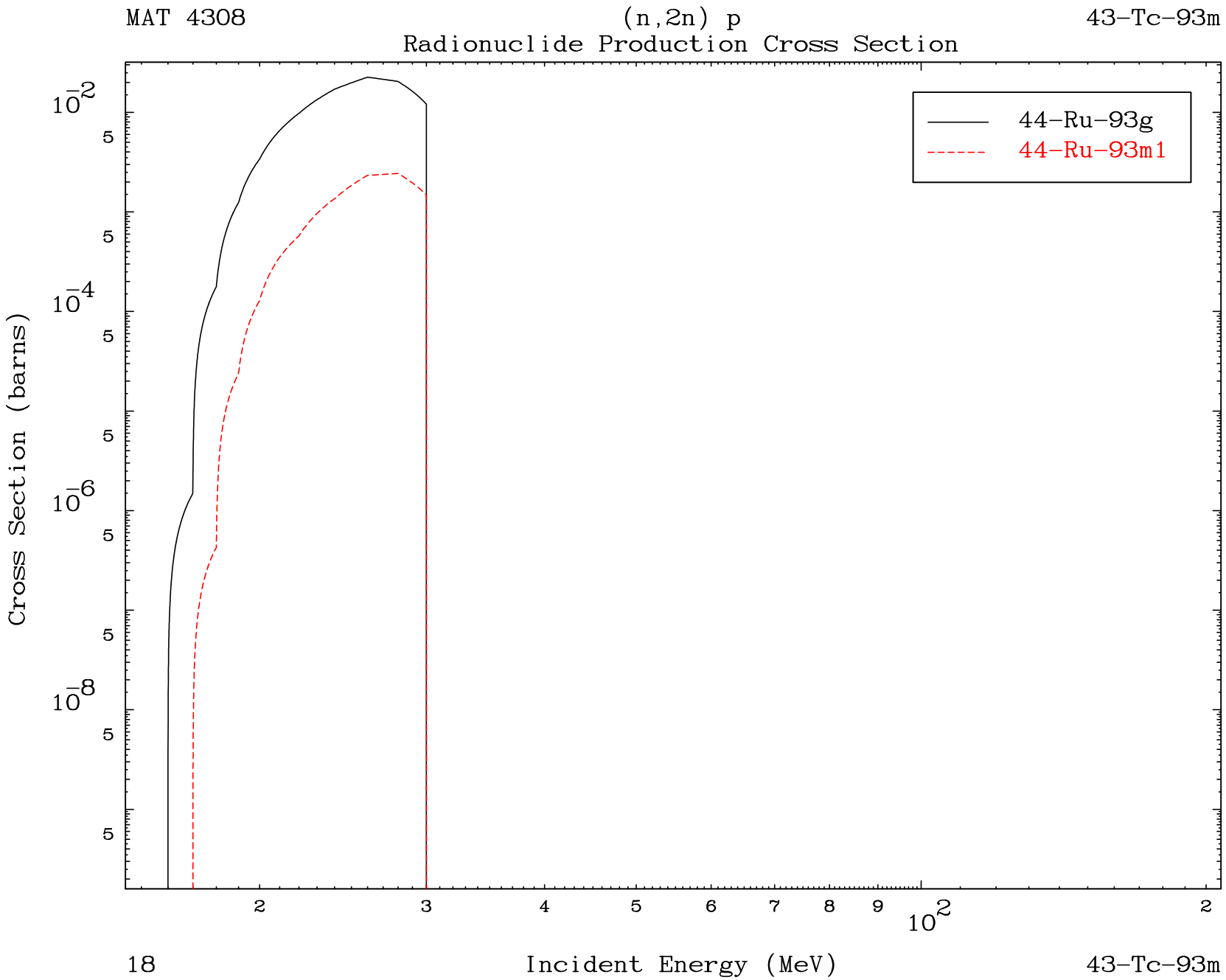

MAT 4308
(n,2n)
43-Tc-93m
Radionuclide Production Cross Section
Cross Section (barns)
10^-2
10^-3
10^-4
10^-5
10^-6
10^-7
5
2
3
4
6
7
8
9
10^2
45-Rh-94g
45-Rh-94m2
13
Incident Energy (MeV)
43-Tc-93m

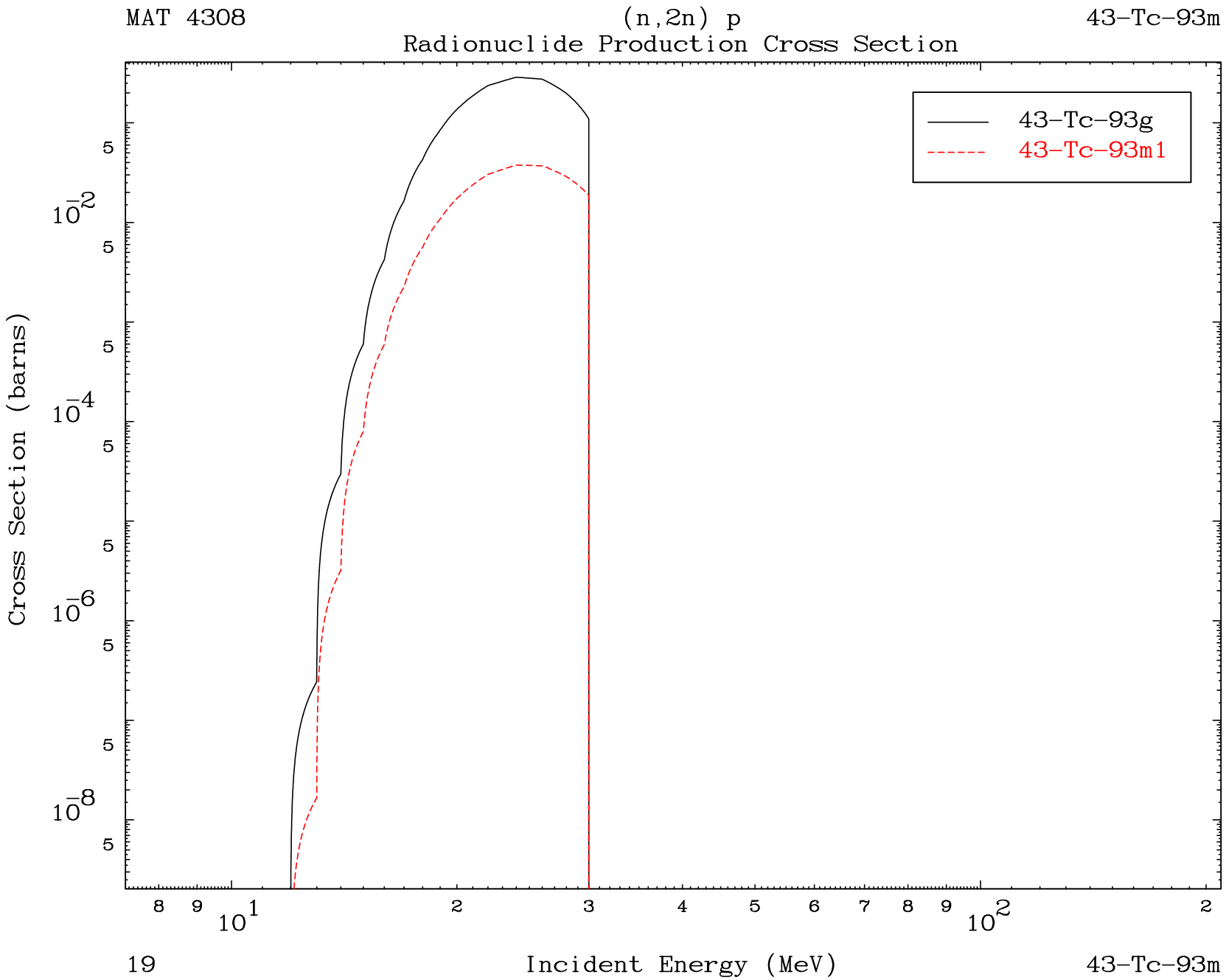

MAT 4308
(n,n') α
43-Tc-93m
Radionuclide Production Cross Section
43-Tc-91g
43-Tc-91m1
Cross Section (barns)
Incident Energy (MeV)
14
43-Tc-93m

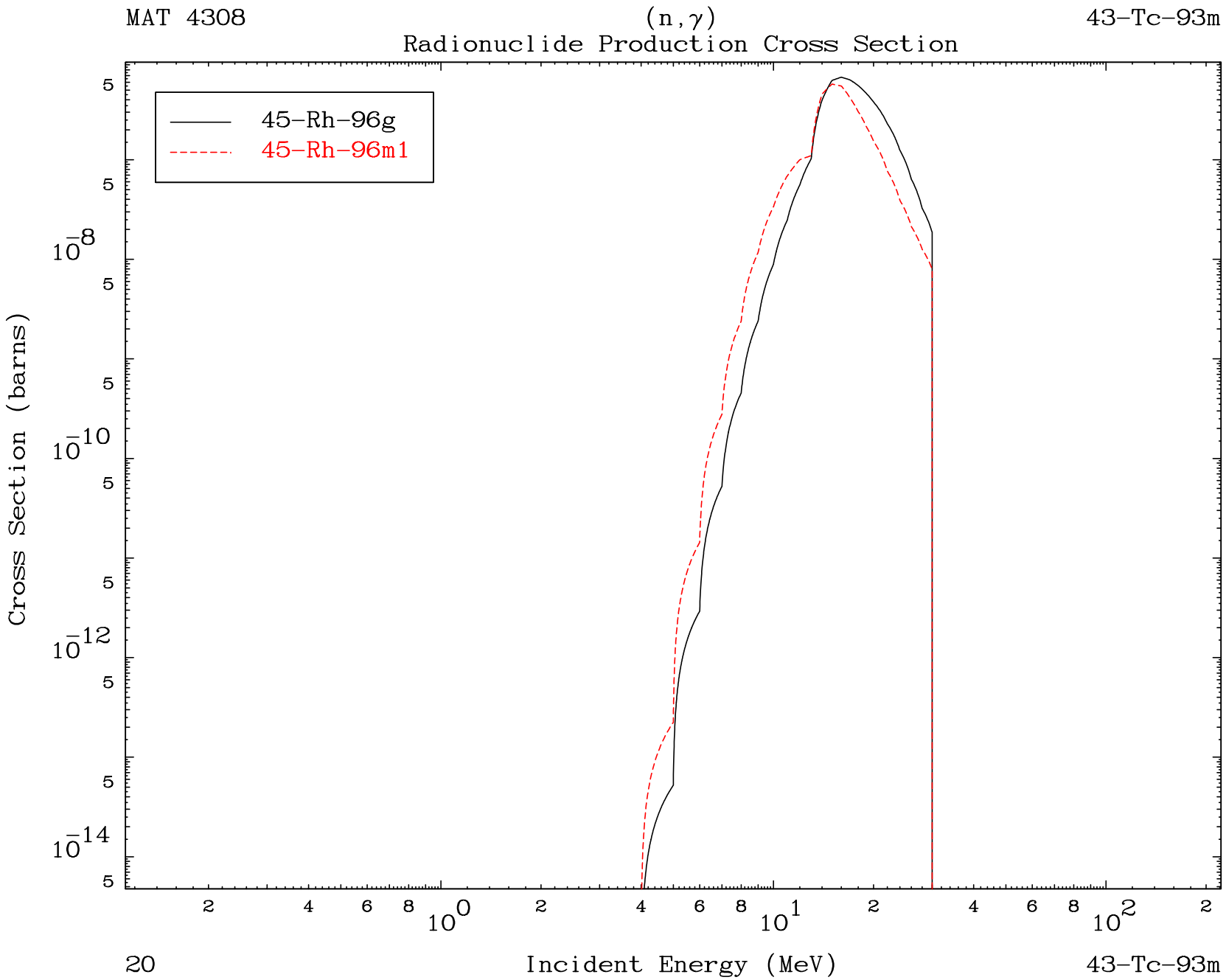

MAT 4308
(n,2n) α
43-Tc-93m
Radionuclide Production Cross Section
43-Tc-90g
43-Tc-90m2
Cross Section (barns)
10-6
10-8
10-10
10-12
10-14
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
15
43-Tc-93m

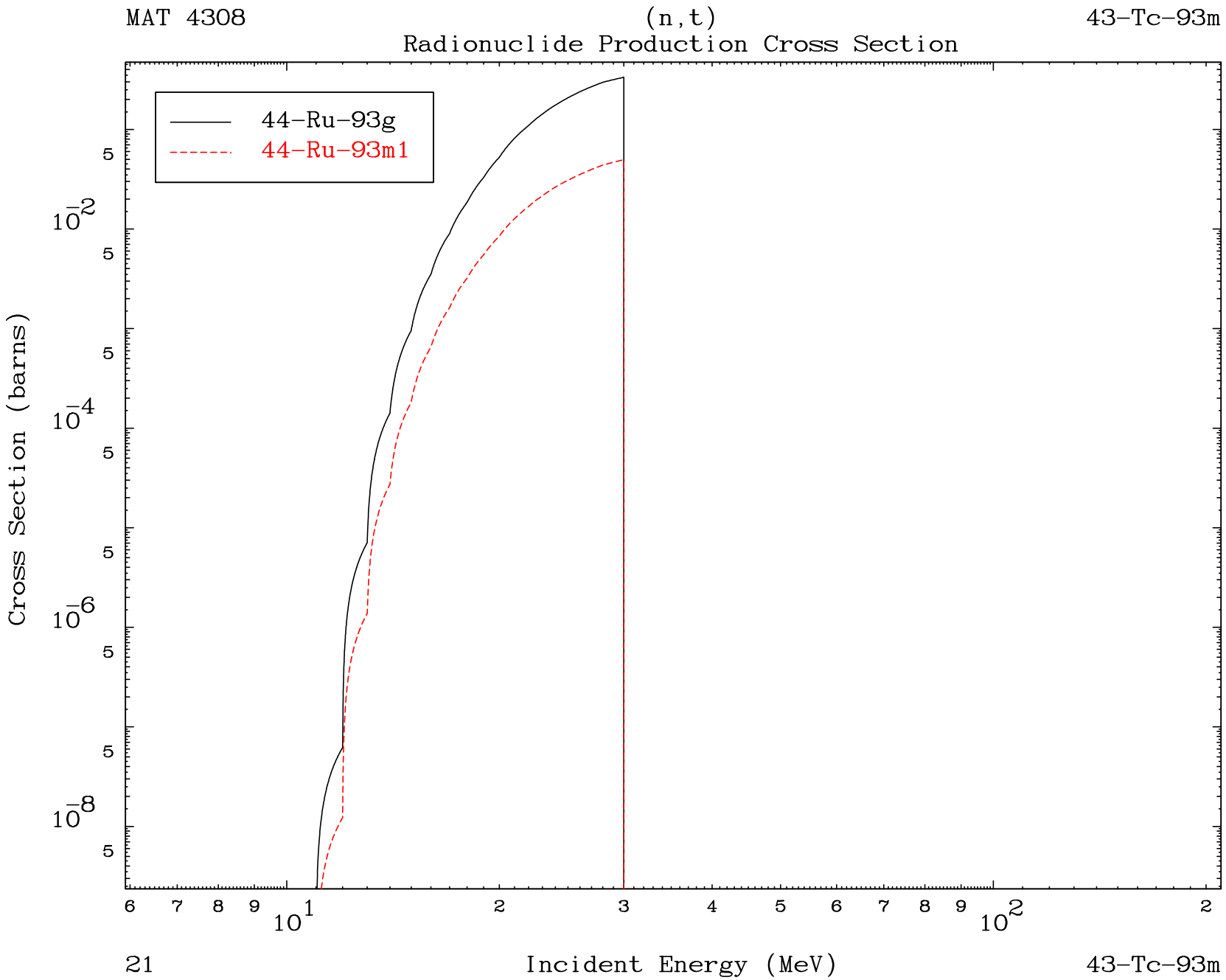

MAT 4308
(n,n') 2α
43-Tc-93m
Radionuclide Production Cross Section
41-Nb-87g
41-Nb-87m1
Cross Section (barns)
Incident Energy (MeV)
16
43-Tc-93m

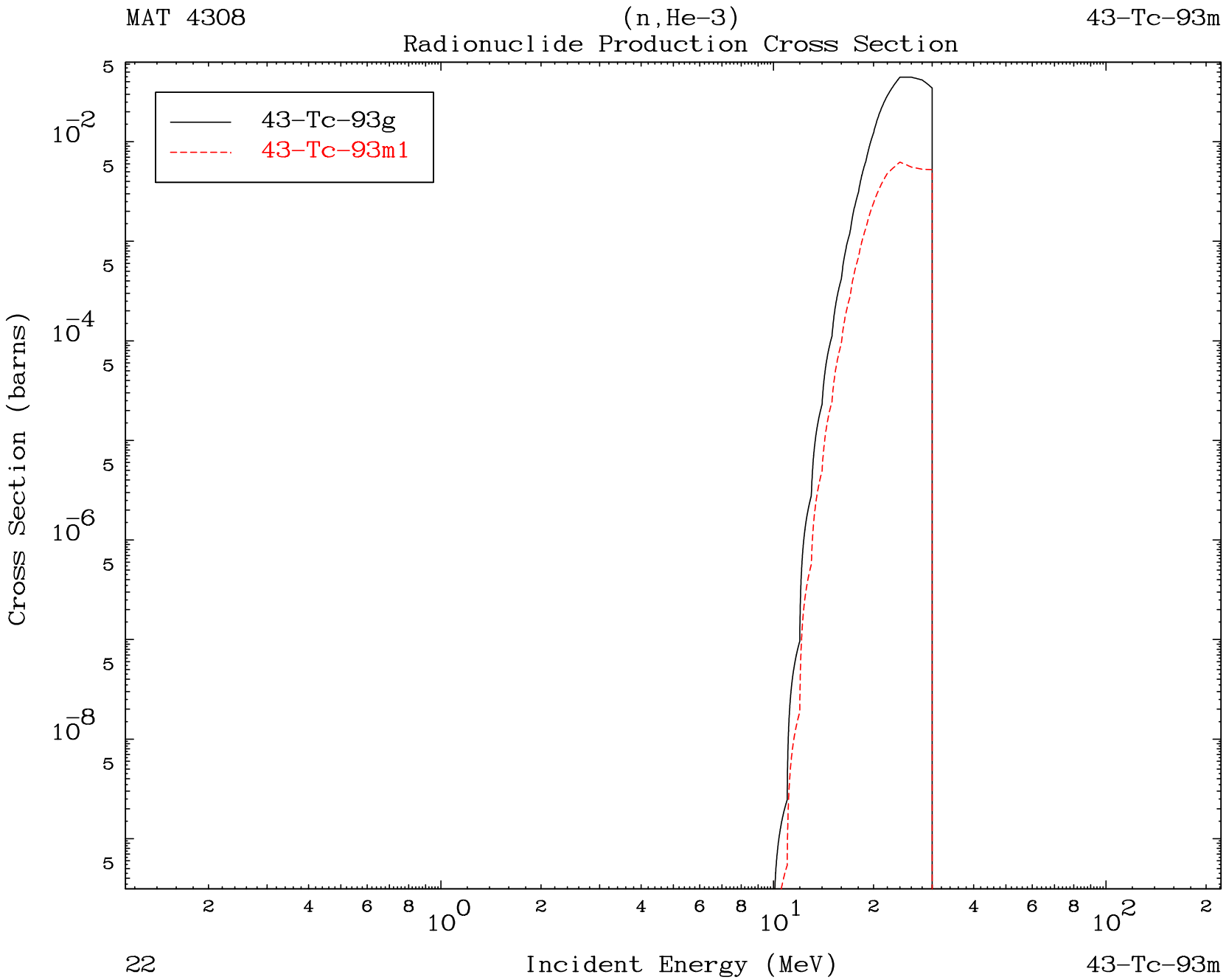

MAT 4308
(n,n') d
43-Tc-93m
Radionuclide Production Cross Section
44-Ru-93g
44-Ru-93m1
Cross Section (barns)
Incident Energy (MeV)
17
43-Tc-93m

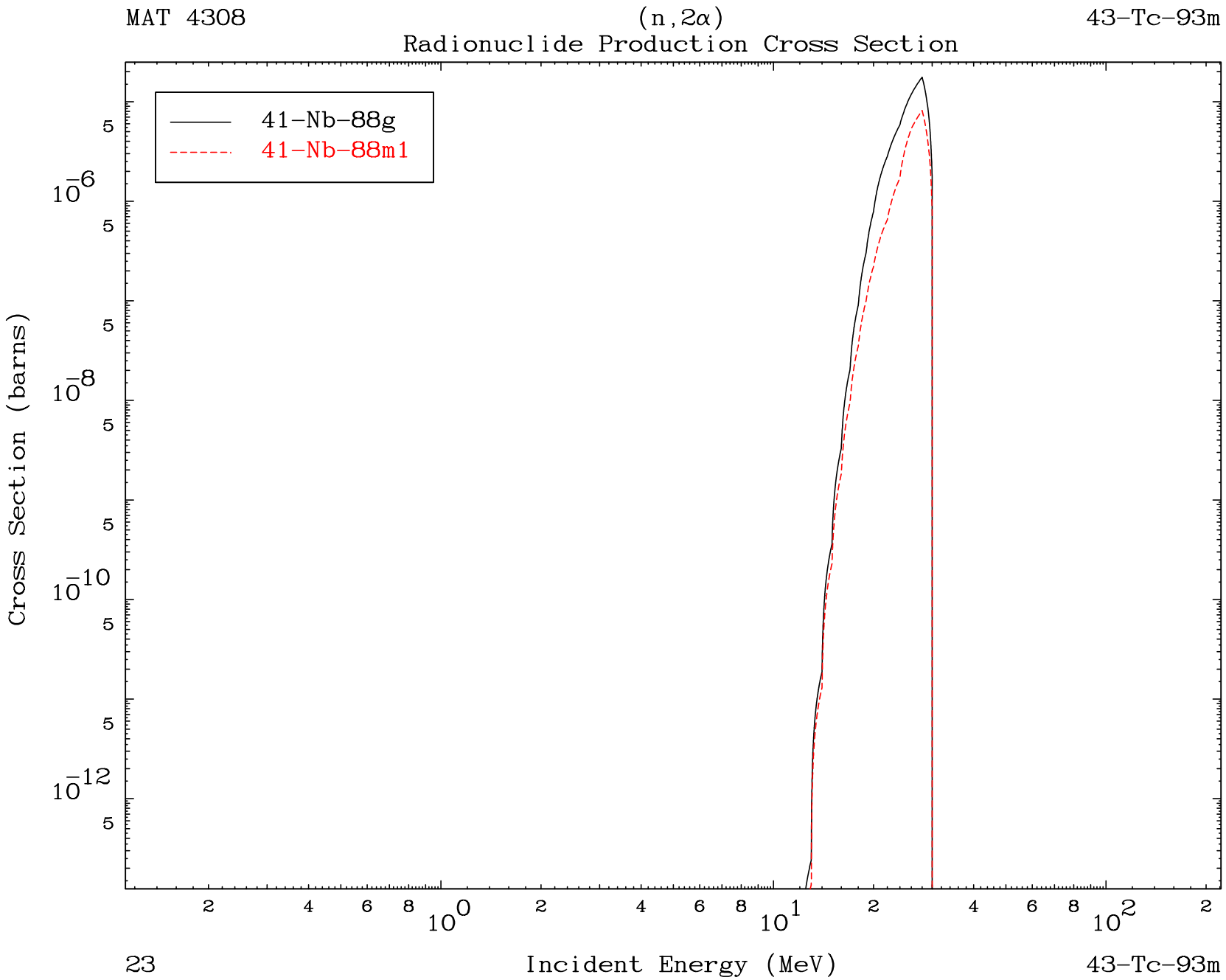

MAT 4308
(n,2n) p
43-Tc-93m
Radionuclide Production Cross Section
44-Ru-93g
44-Ru-93m1
Cross Section (barns)
Incident Energy (MeV)
18
43-Tc-93m

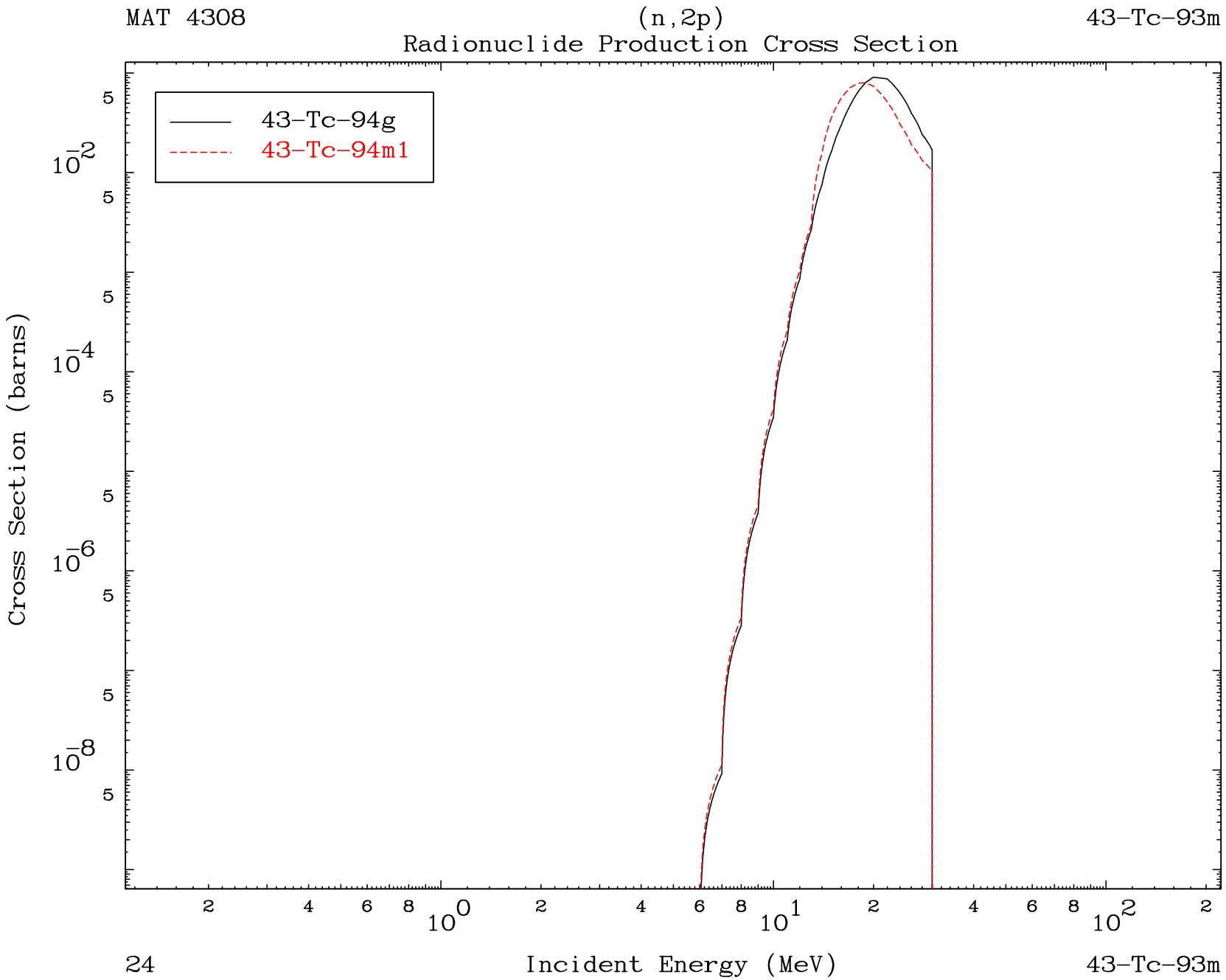

MAT 4308
(n,2n) p
43-Tc-93m
Radionuclide Production Cross Section
43-Tc-93g
43-Tc-93m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
19
43-Tc-93m

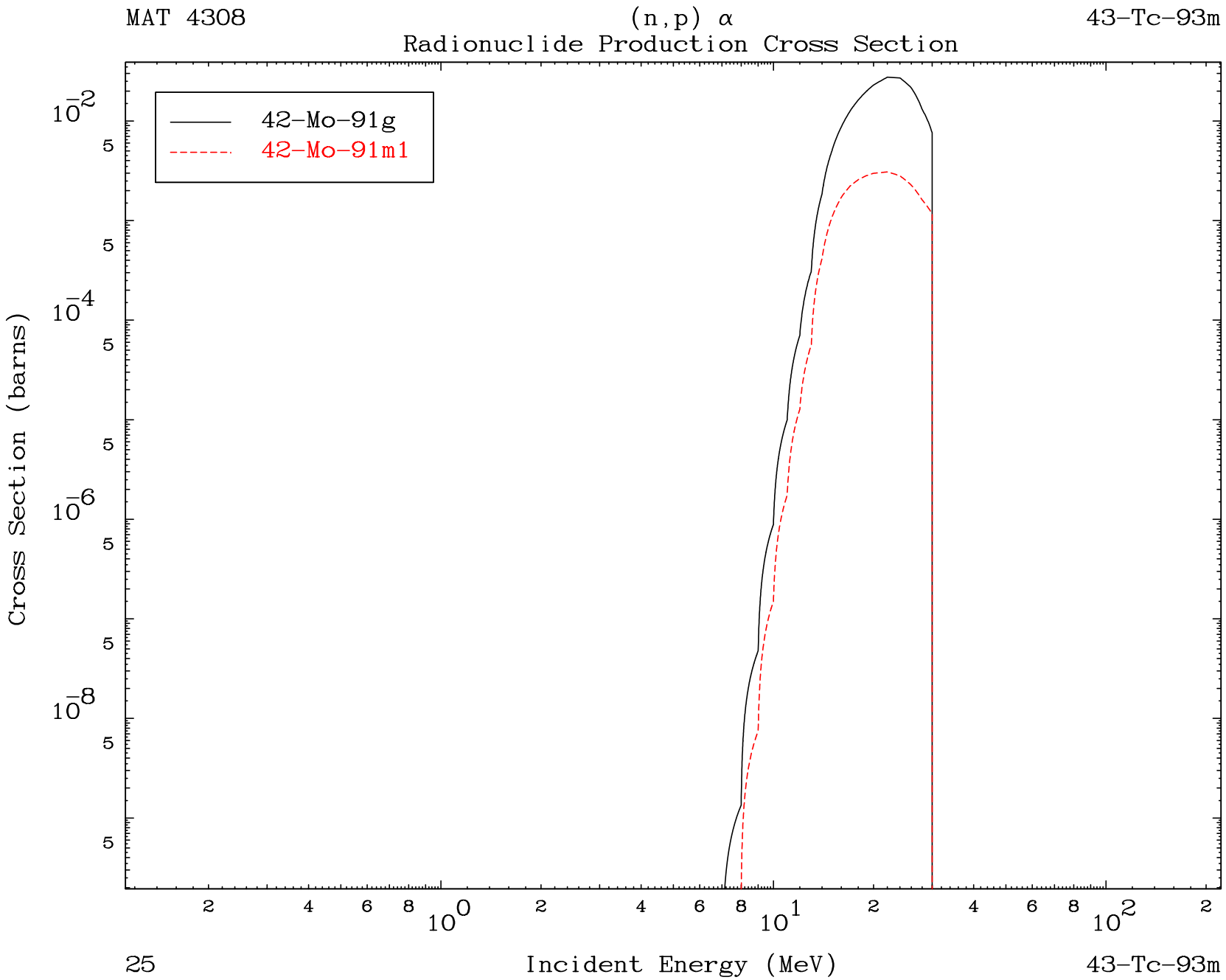

MAT 4308
(n,γ)
43-Tc-93m
Radionuclide Production Cross Section
45-Rh-96g
45-Rh-96m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
4
6
8
10^0
10^1
10^2
20
Incident Energy (MeV)
43-Tc-93m

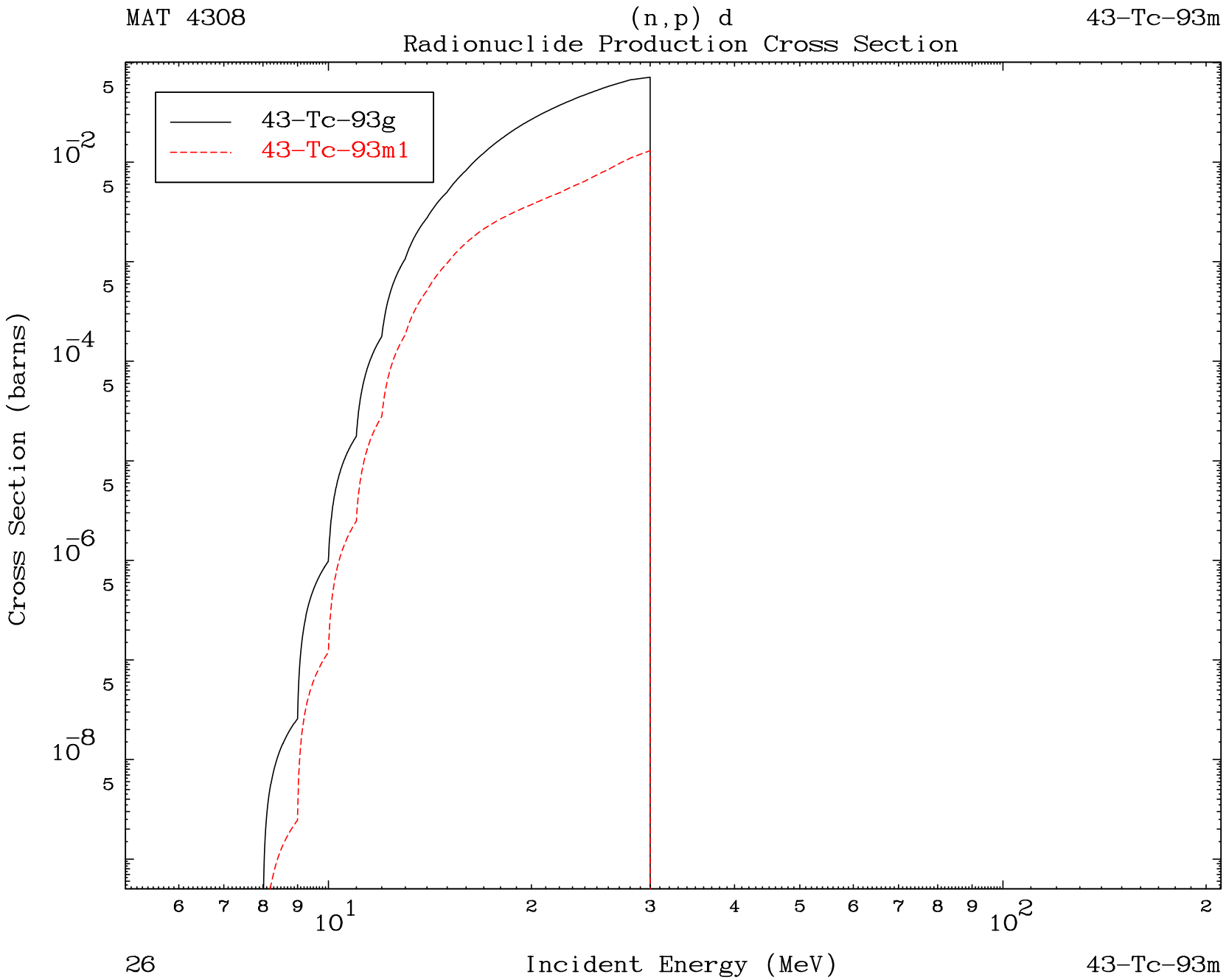

MAT 4308
(n,t)
43-Tc-93m
Radionuclide Production Cross Section
44-Ru-93g
44-Ru-93m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
21
Incident Energy (MeV)
43-Tc-93m


MAT 4308
(n,He-3)
43-Tc-93m
Radionuclide Production Cross Section
43-Tc-93g
43-Tc-93m1
Cross Section (barns)
Incident Energy (MeV)
22
43-Tc-93m


MAT 4308
(n,2α)
43-Tc-93m
Radionuclide Production Cross Section
41-Nb-88g
41-Nb-88m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
23
43-Tc-93m


MAT 4308
(n,2p)
43-Tc-93m
Radionuclide Production Cross Section
43-Tc-94g
43-Tc-94m1
Cross Section (barns)
Incident Energy (MeV)
24
43-Tc-93m


MAT 4308
(n,p) α
43-Tc-93m
Radionuclide Production Cross Section
42-Mo-91g
42-Mo-91m1
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^0
10^1
10^2
Incident Energy (MeV)
25
43-Tc-93m


MAT 4308
(n,p) d
43-Tc-93m
Radionuclide Production Cross Section
43-Tc-93g
43-Tc-93m1
Cross Section (barns)
Incident Energy (MeV)
26
43-Tc-93m