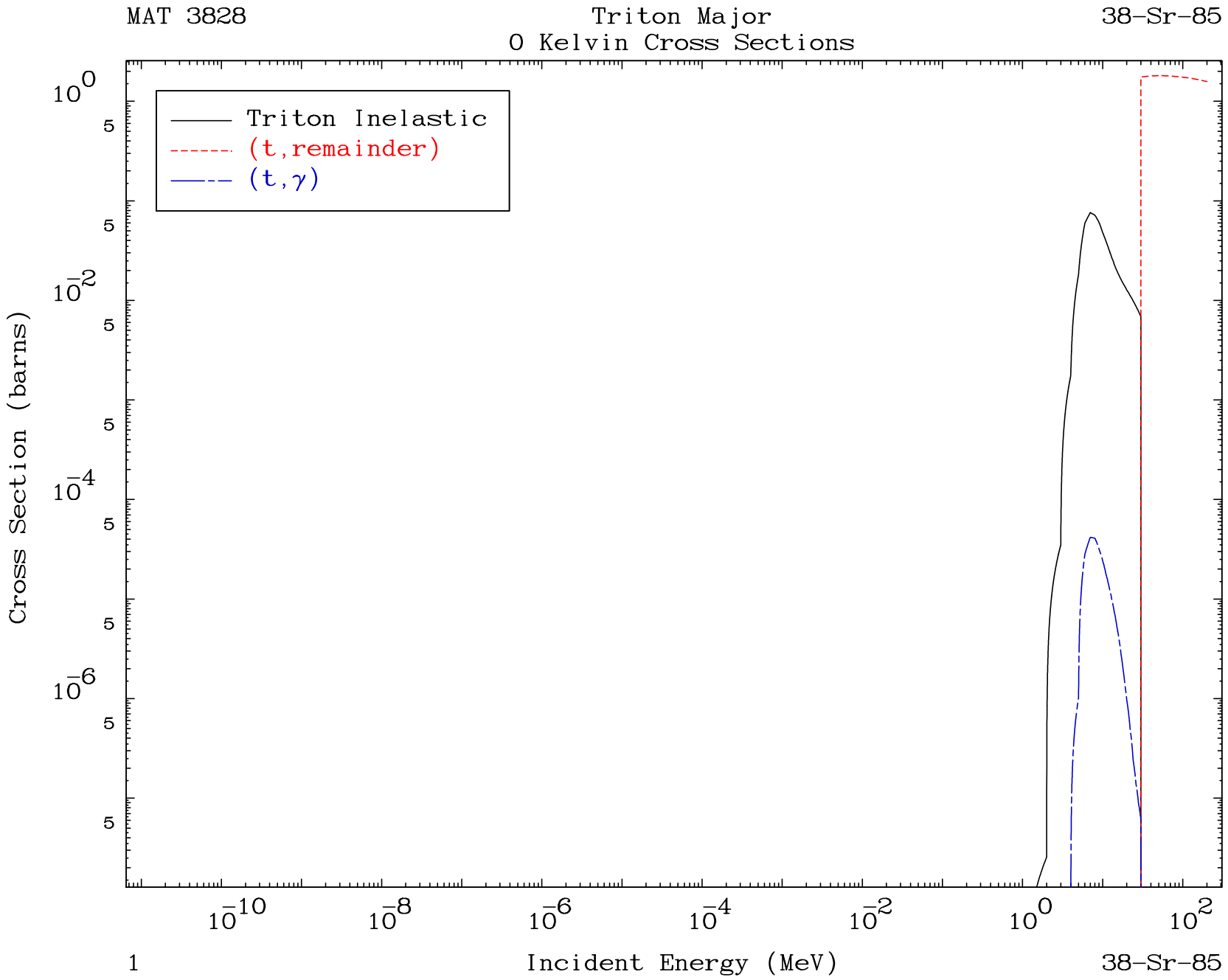
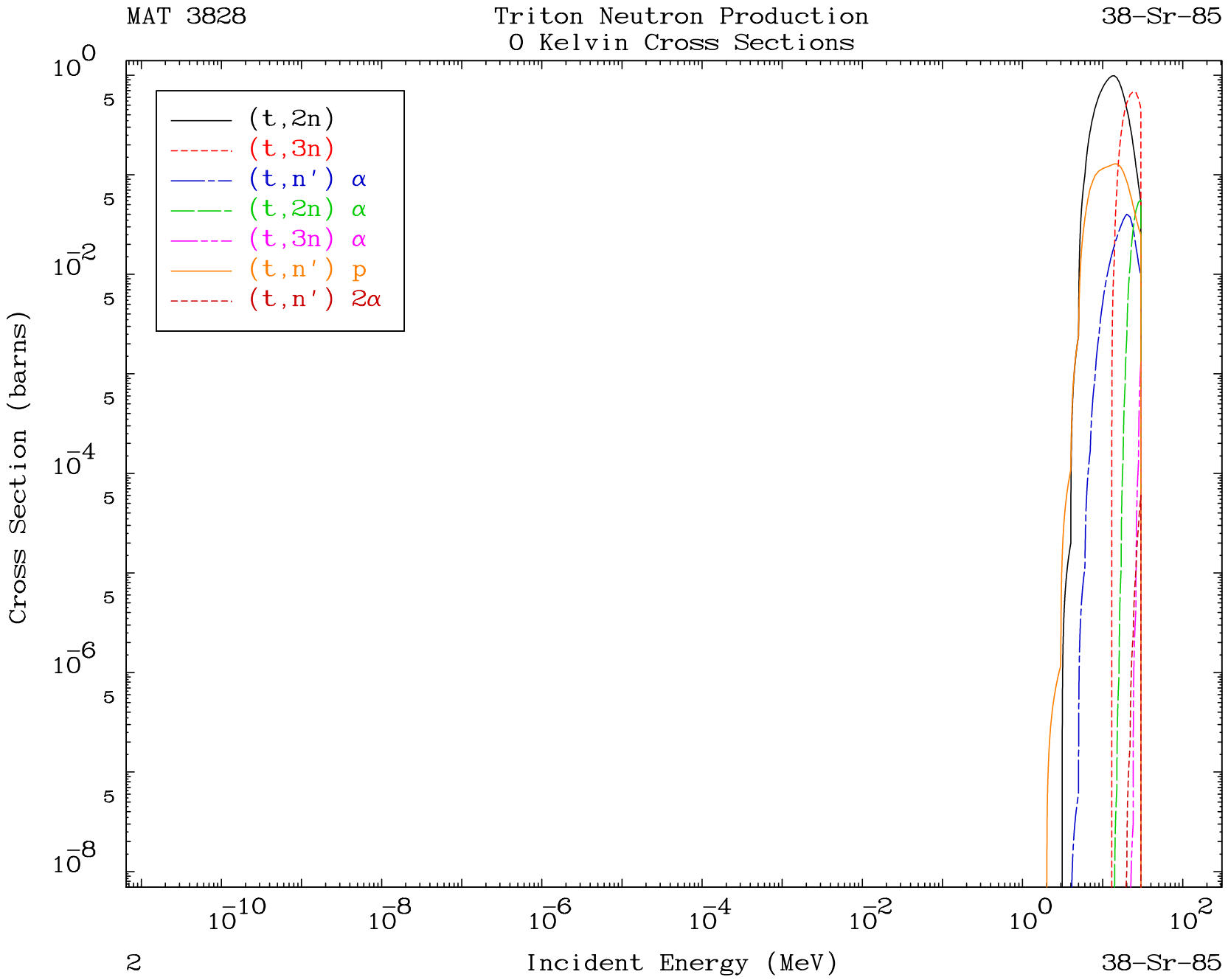
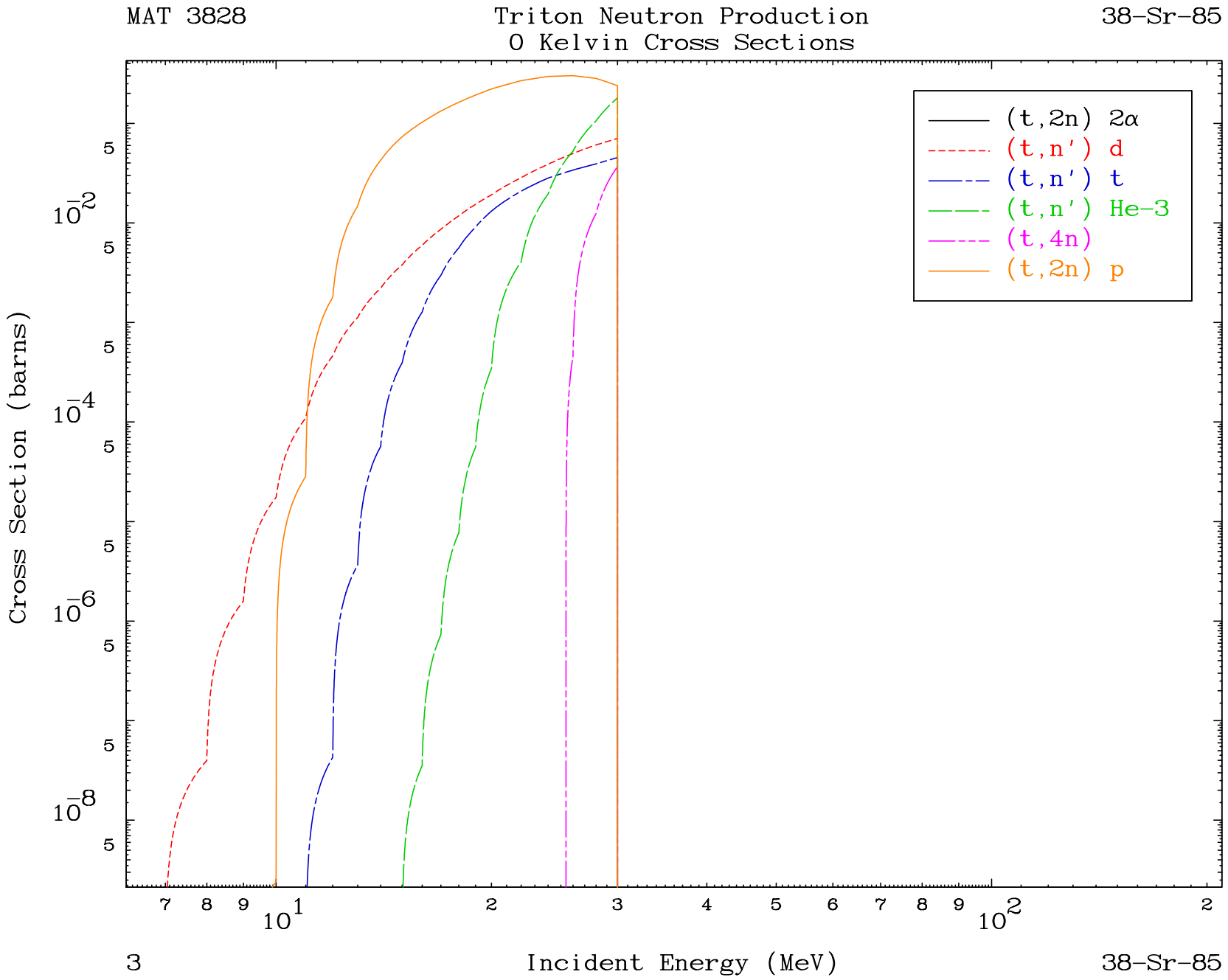
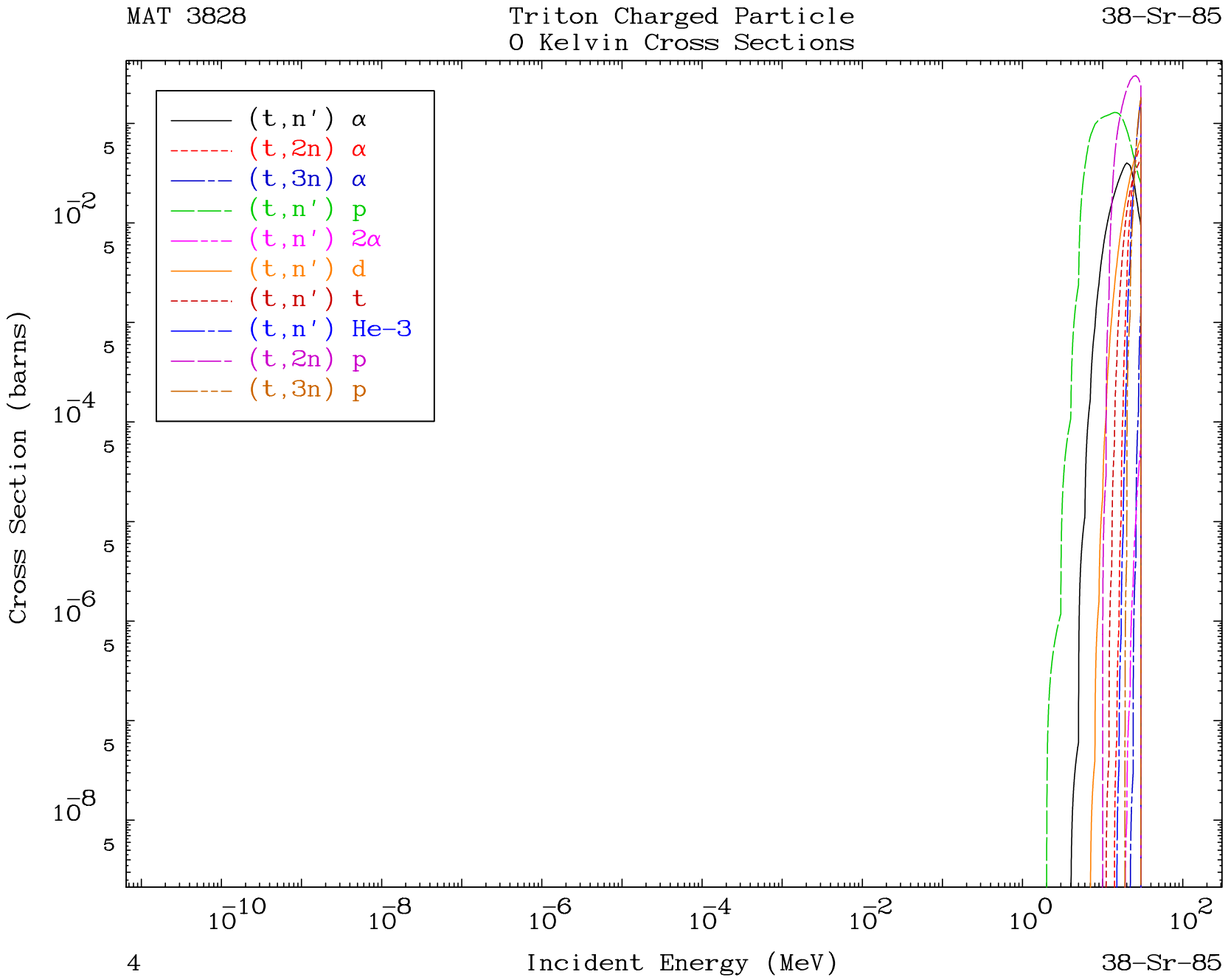
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

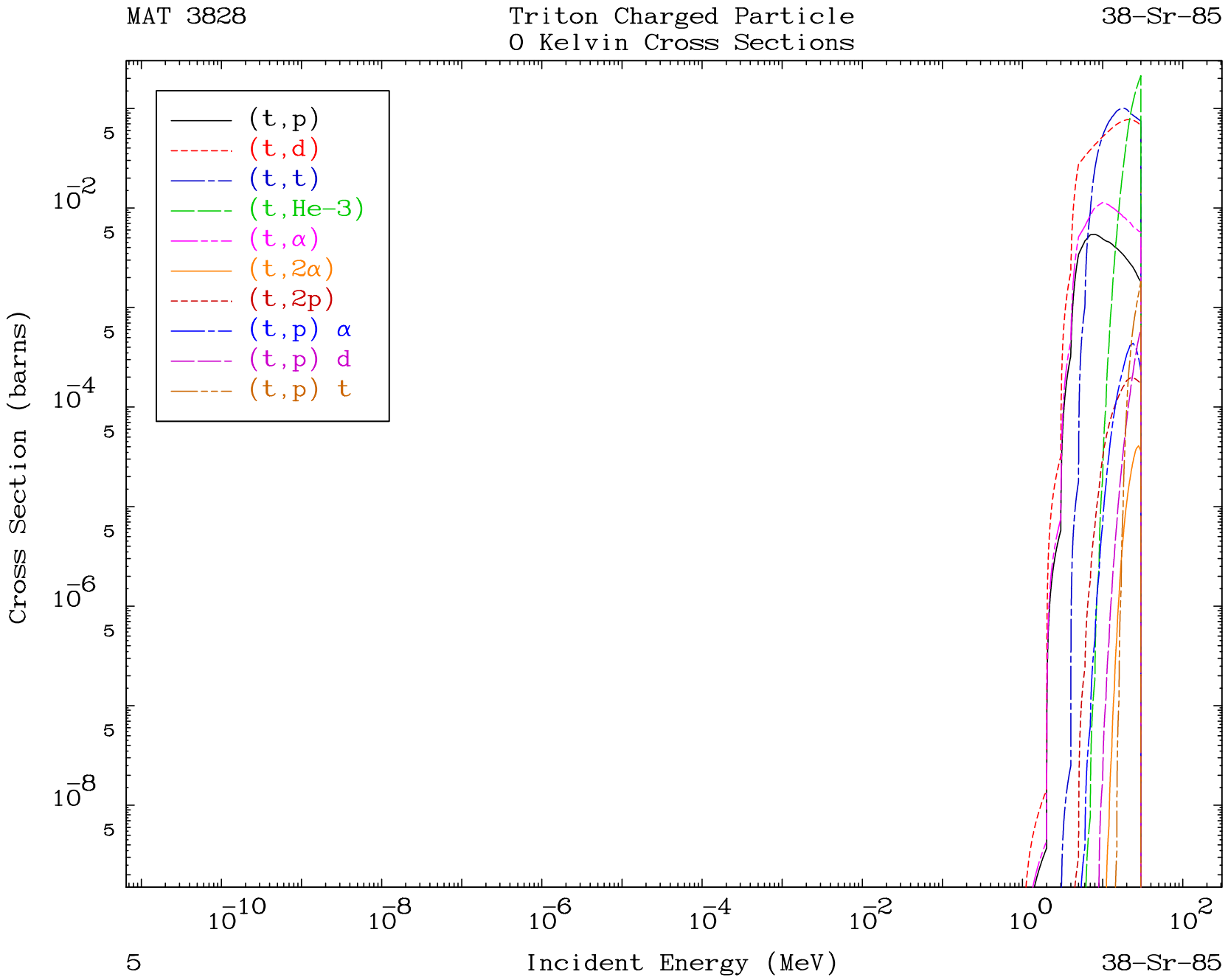
Press Mouse Button to Start

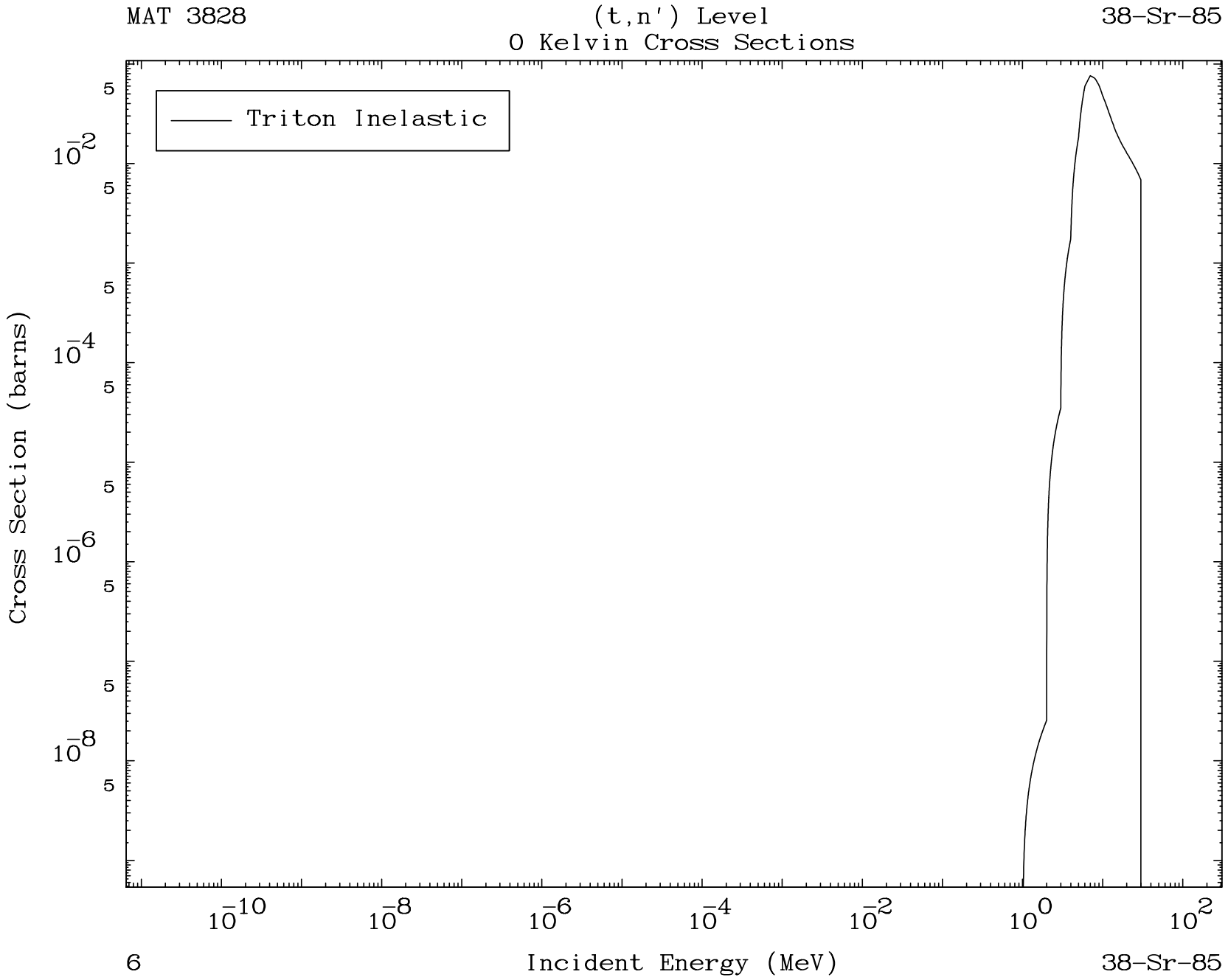

MAT 3828
Triton Major
38-Sr-85
0 Kelvin Cross Sections
Triton Inelastic
(t,remainder)
(t,γ)
Cross Section (barns)
Incident Energy (MeV)
38-Sr-85
1

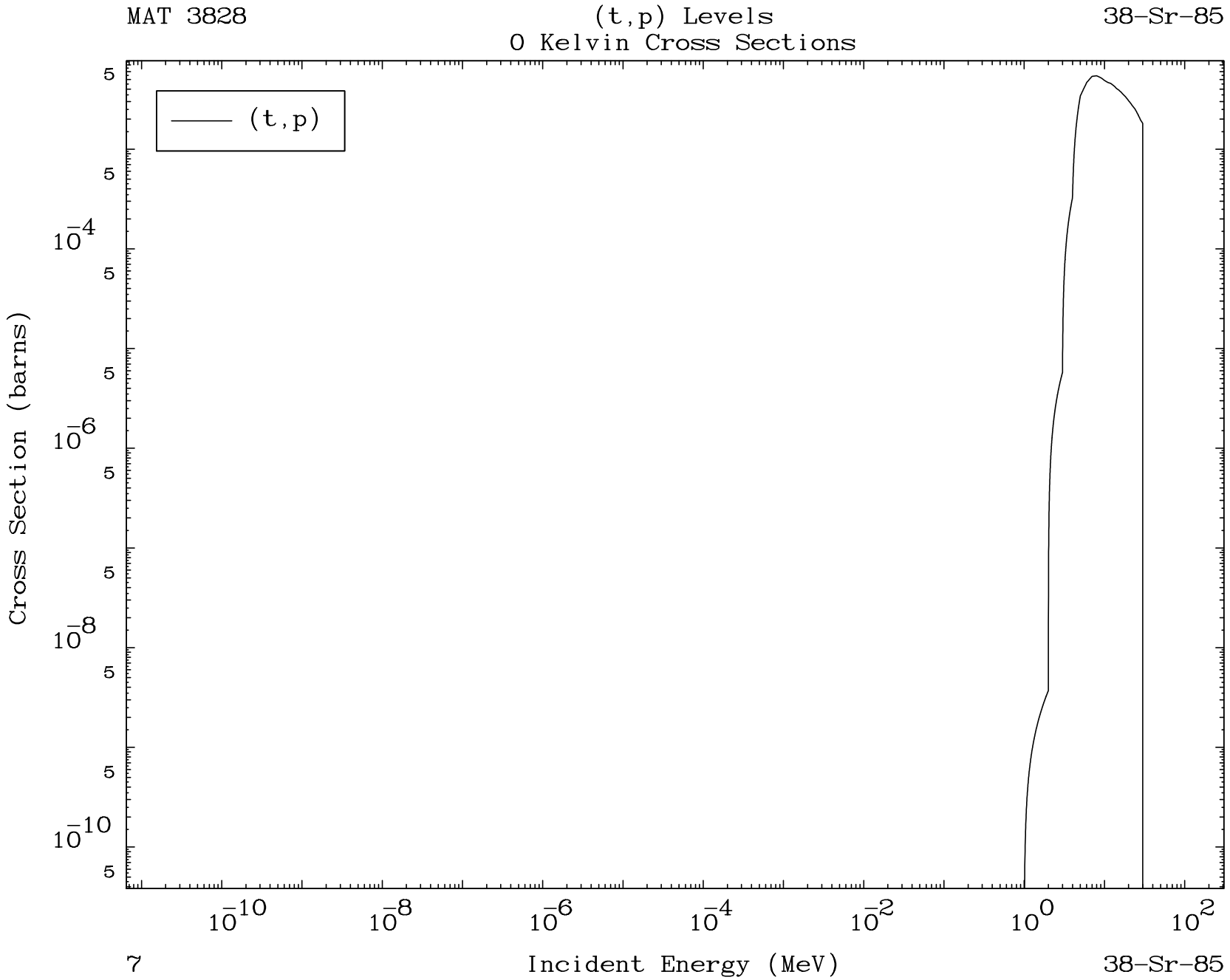

MAT 3828
Triton Neutron Production
0 Kelvin Cross Sections
38-Sr-85
(t,2n)
(t,3n)
(t,n') α
(t,2n) α
(t,3n) α
(t,n') p
(t,n') 2α
Cross Section (barns)
Incident Energy (MeV)
38-Sr-85
2

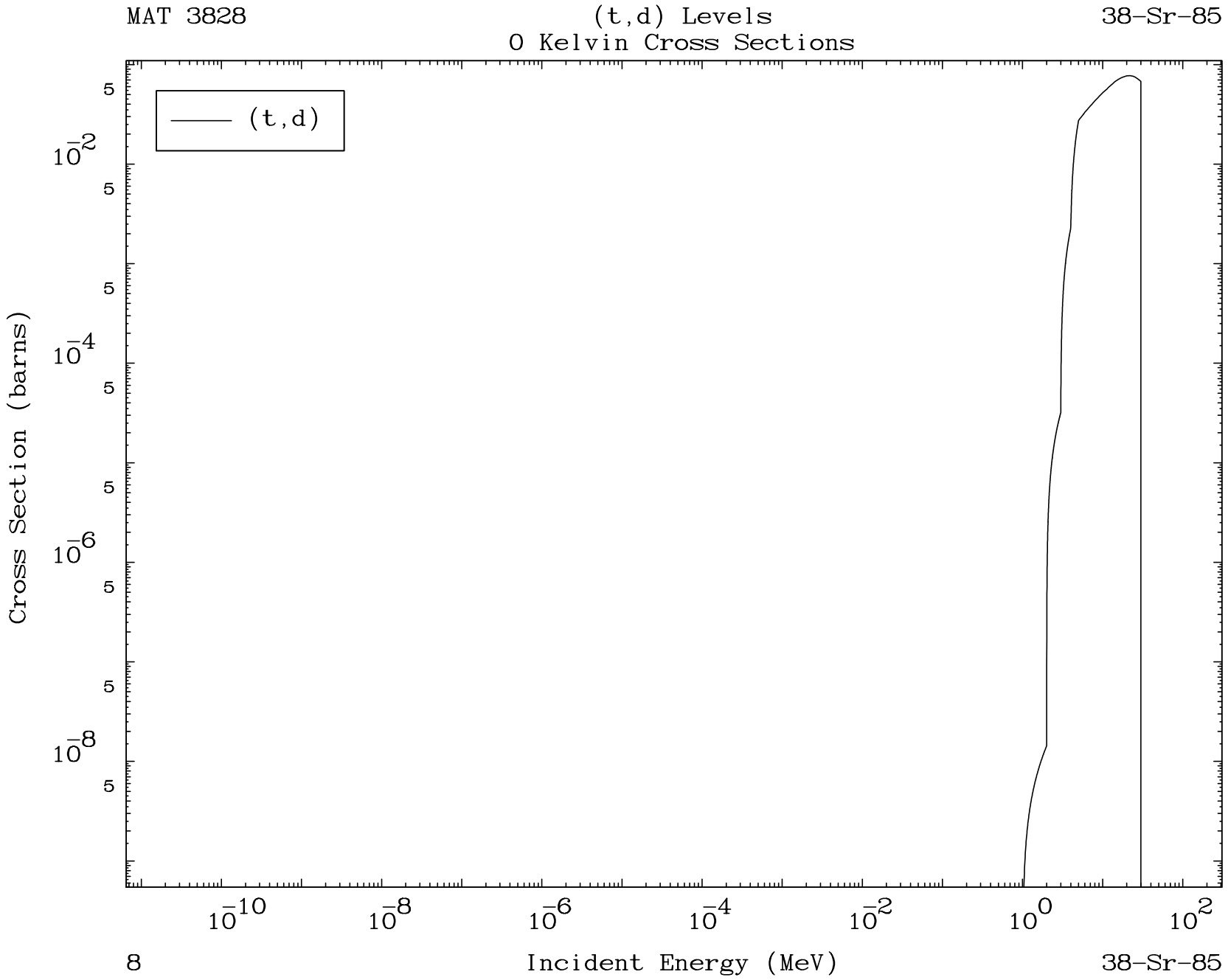

MAT 3828
Triton Neutron Production
0 Kelvin Cross Sections
38-Sr-85
(t,2n) 2α
(t,n') d
(t,n') t
(t,n') He-3
(t,4n)
(t,2n) p
Cross Section (barns)
Incident Energy (MeV)
3
38-Sr-85

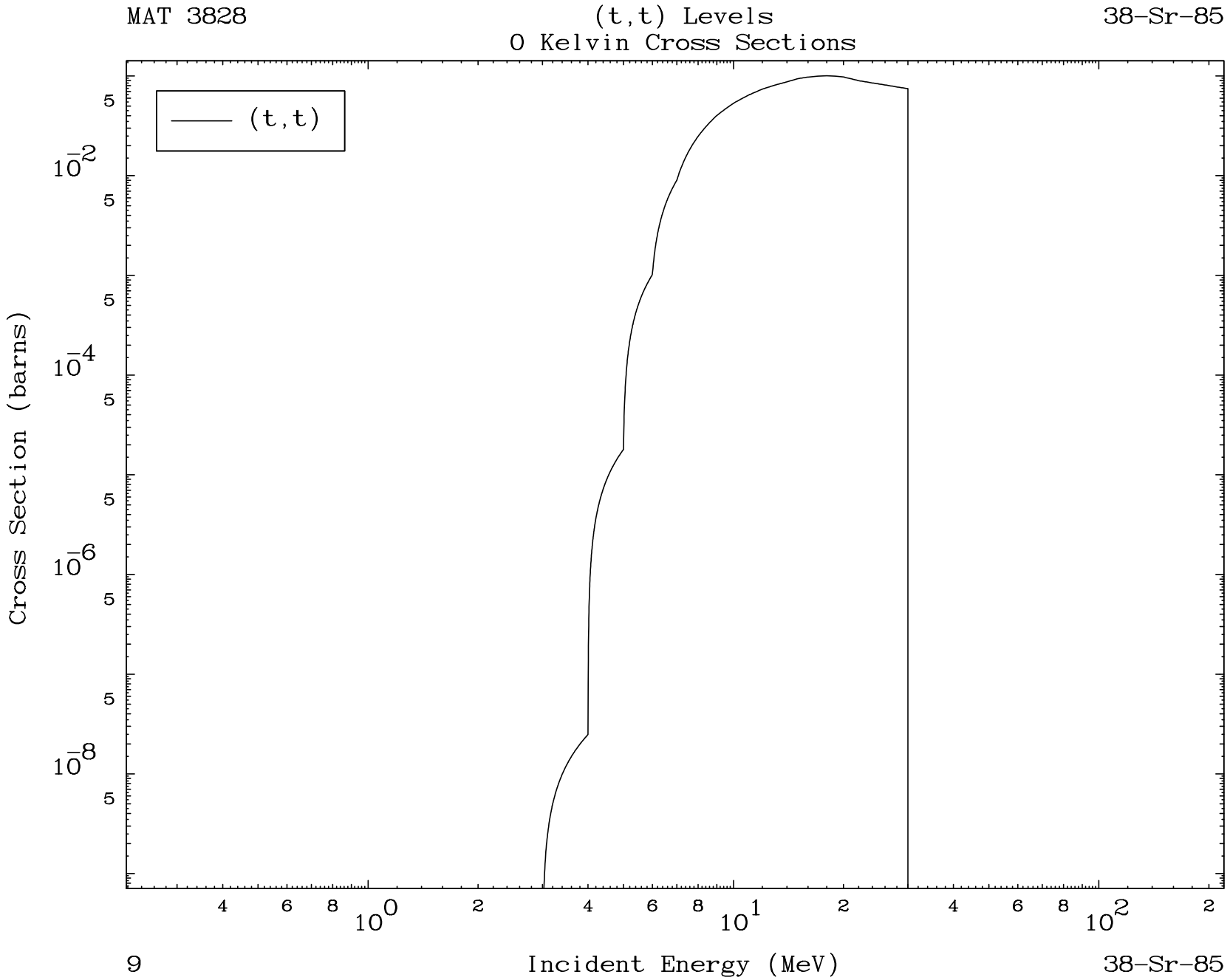

MAT 3828
Triton Charged Particle
0 Kelvin Cross Sections
38-Sr-85
(t,n') α
(t,2n) α
(t,3n) α
(t,n') p
(t,n') 2α
(t,n') d
(t,n') t
(t,n') He-3
(t,2n) p
(t,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
38-Sr-85

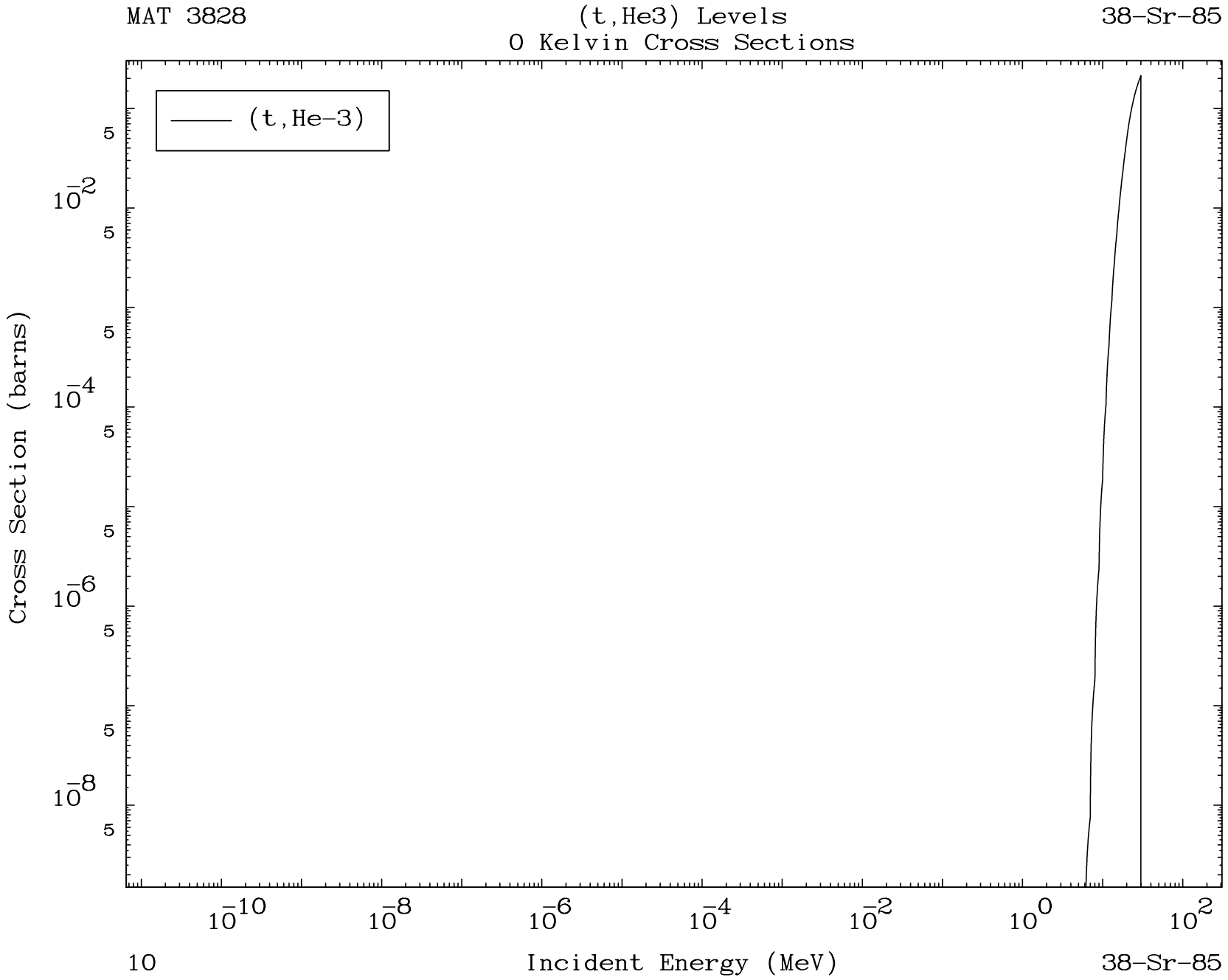

MAT 3828
Triton Charged Particle
0 Kelvin Cross Sections
38-Sr-85
(t,p)
(t,d)
(t,t)
(t,He-3)
(t,α)
(t,2α)
(t,2p)
(t,p) α
(t,p) d
(t,p) t
Cross Section (barns)
Incident Energy (MeV)
38-Sr-85

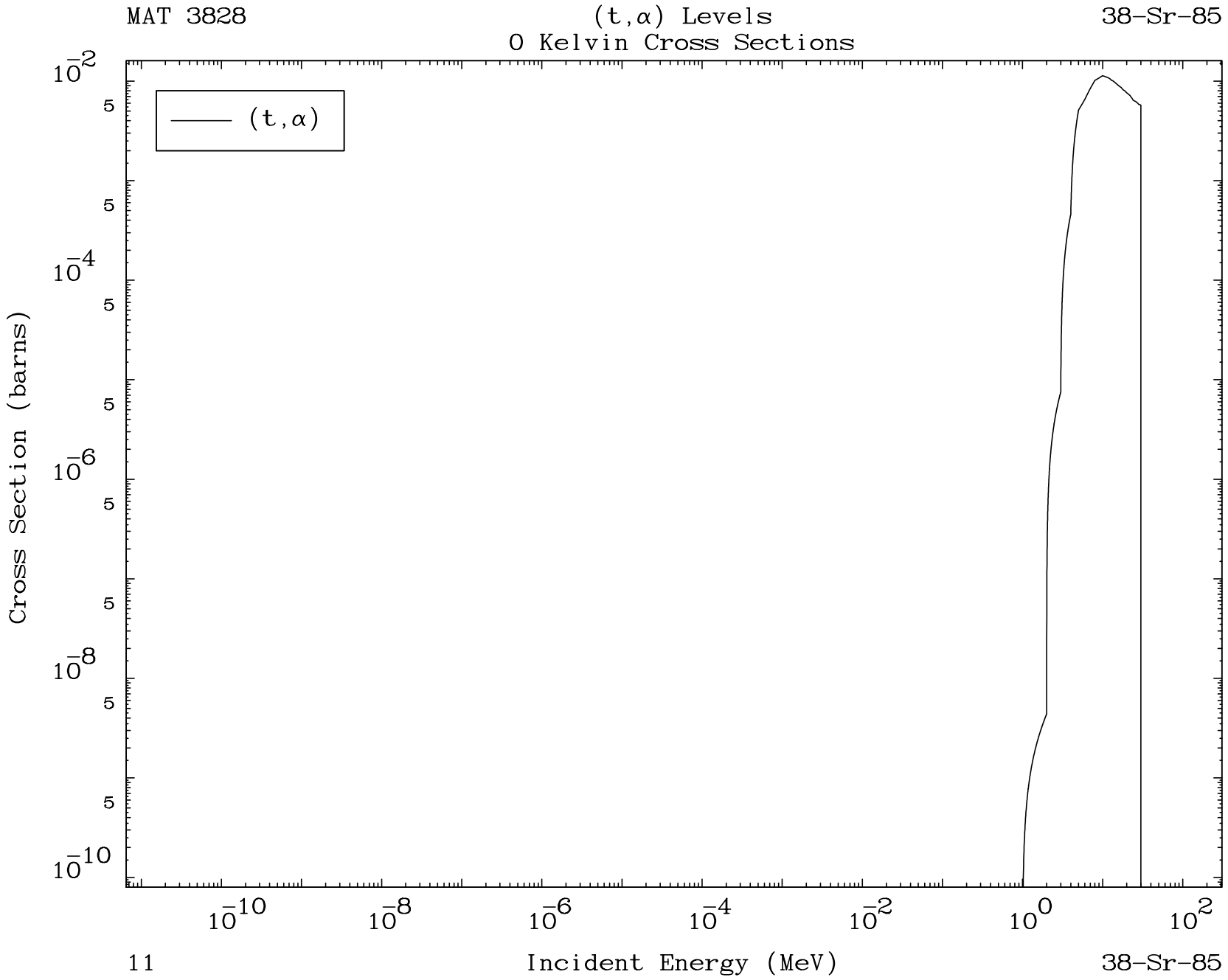

MAT 3828
(t,n') Level
38-Sr-85
0 Kelvin Cross Sections
Triton Inelastic
Cross Section (barns)
Incident Energy (MeV)
6
38-Sr-85

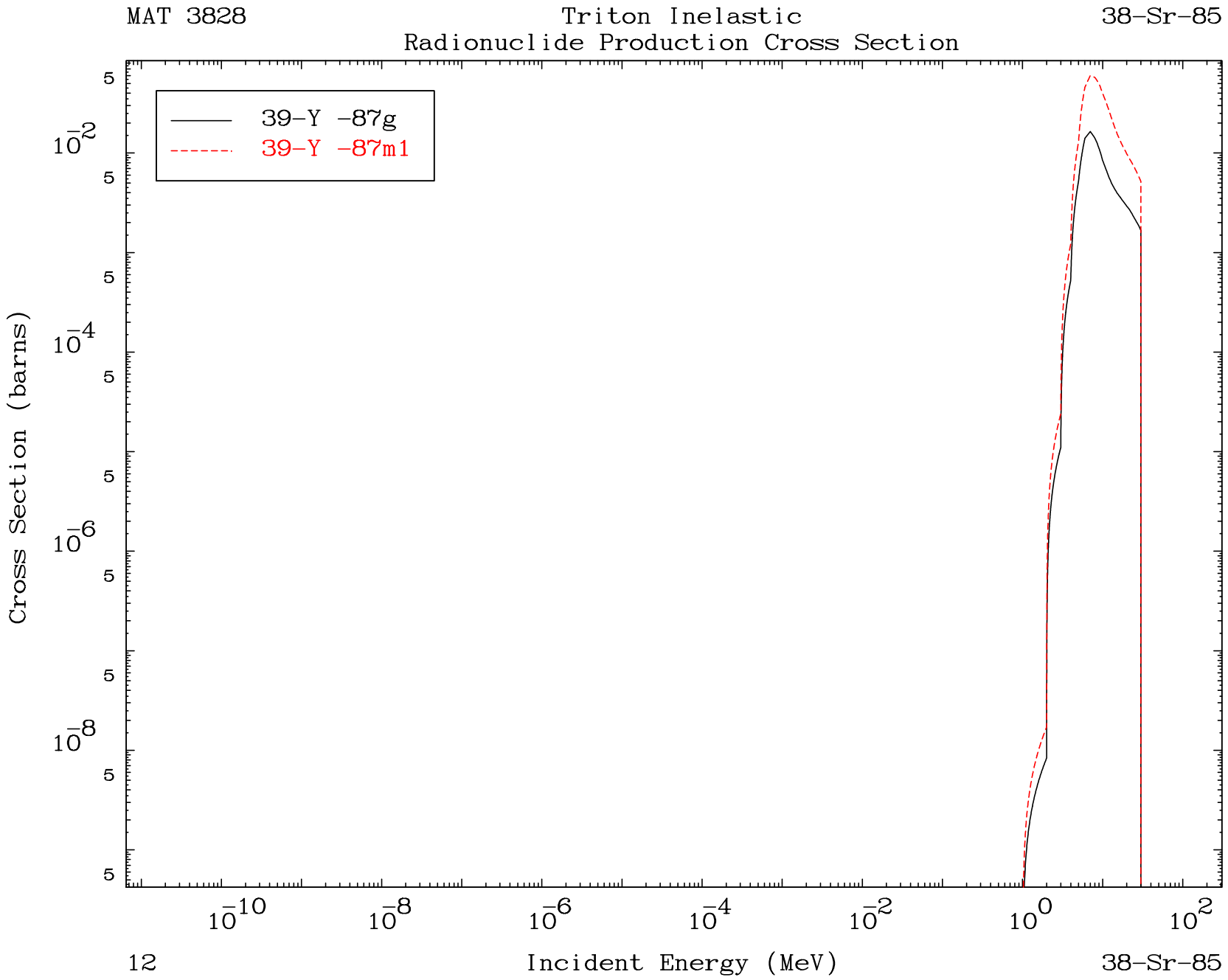

MAT 3828
(t,p) Levels
38-Sr-85
0 Kelvin Cross Sections
(t,p)
Cross Section (barns)
Incident Energy (MeV)
7
38-Sr-85

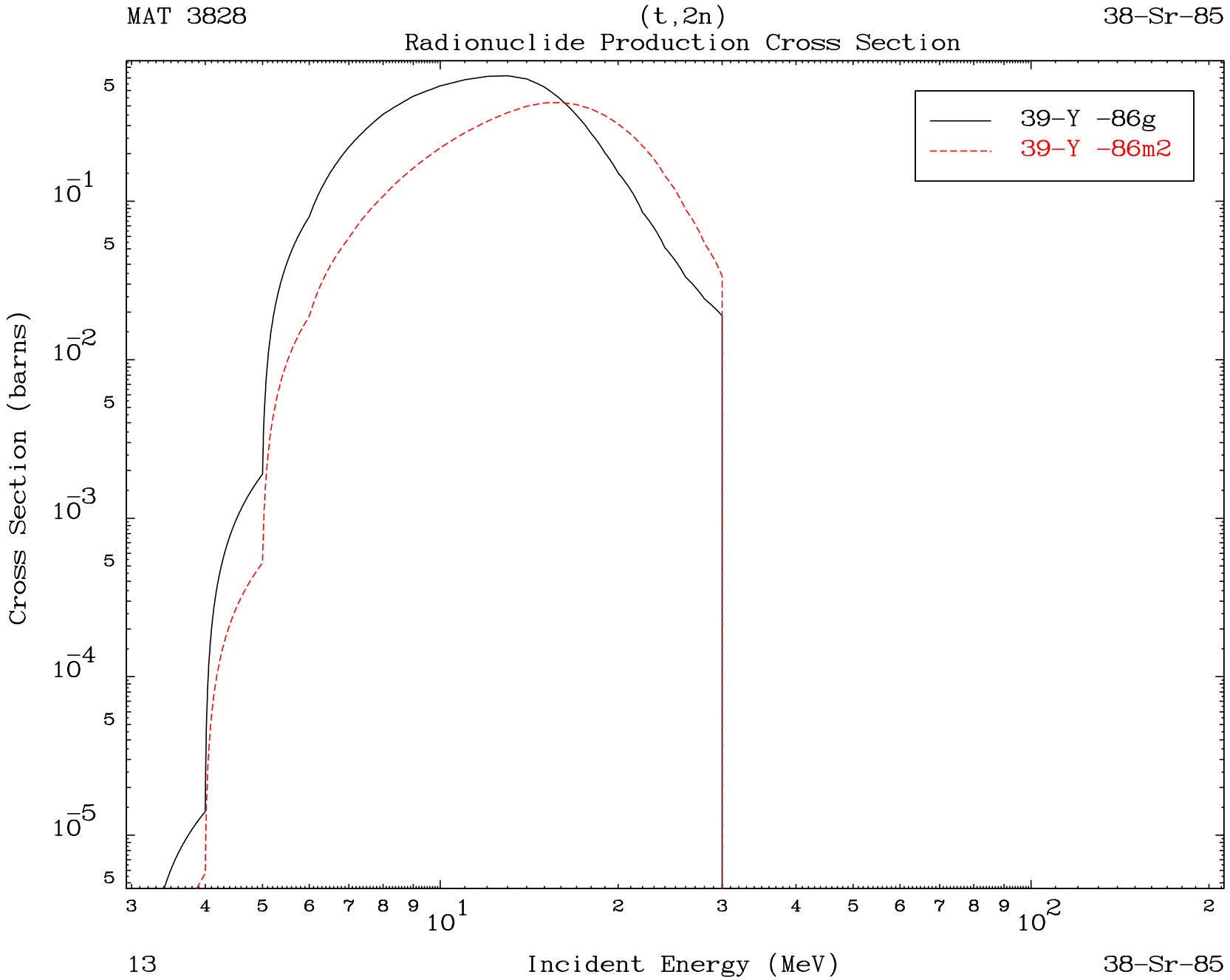

MAT 3828
(t,d) Levels
38-Sr-85
0 Kelvin Cross Sections
(t,d)
Cross Section (barns)
Incident Energy (MeV)
8
38-Sr-85

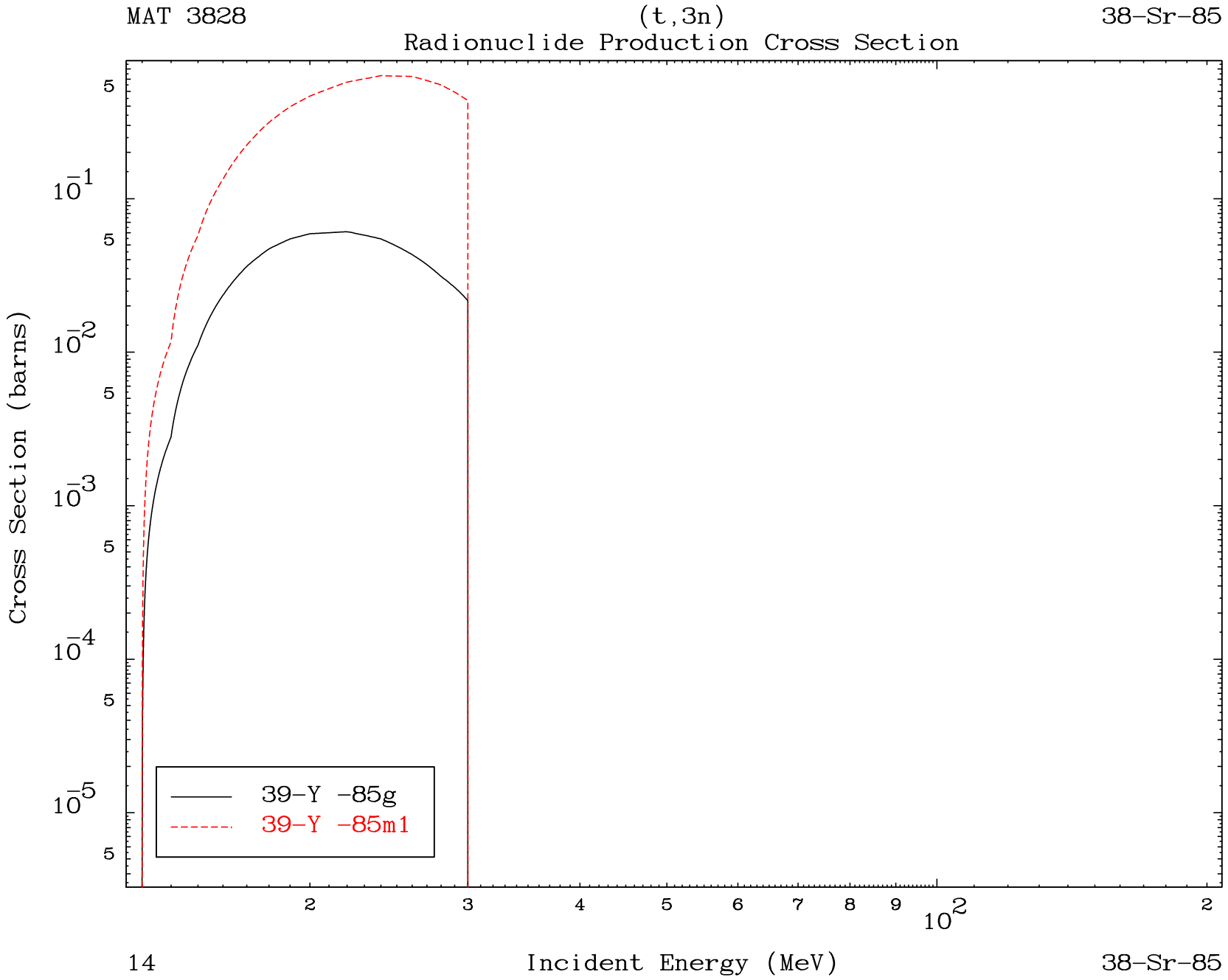

MAT 3828
(t,t) Levels
38-Sr-85
0 Kelvin Cross Sections
(t,t)
Cross Section (barns)
Incident Energy (MeV)
9
38-Sr-85

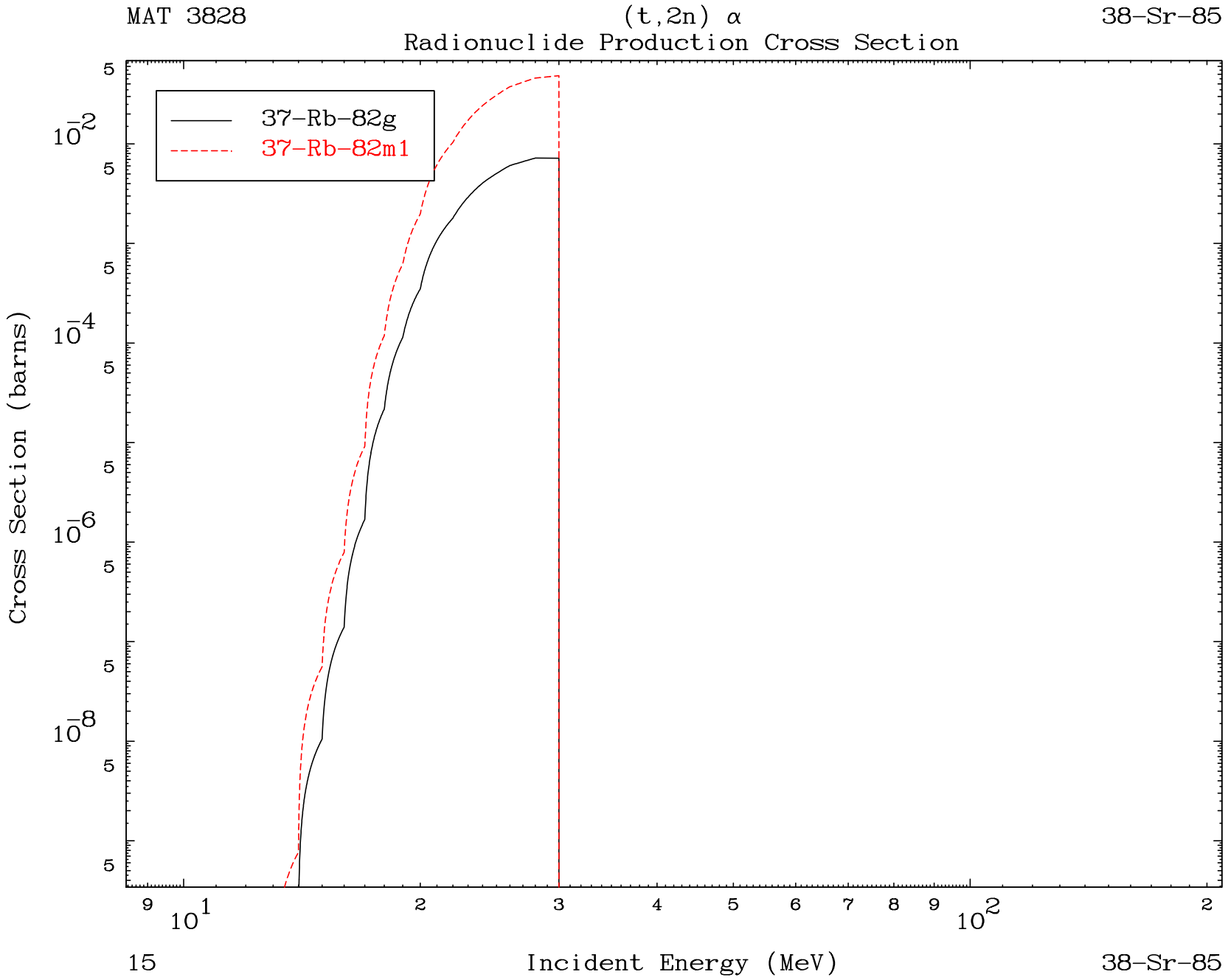

MAT 3828
(t,He3) Levels
38-Sr-85
0 Kelvin Cross Sections
(t,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
38-Sr-85

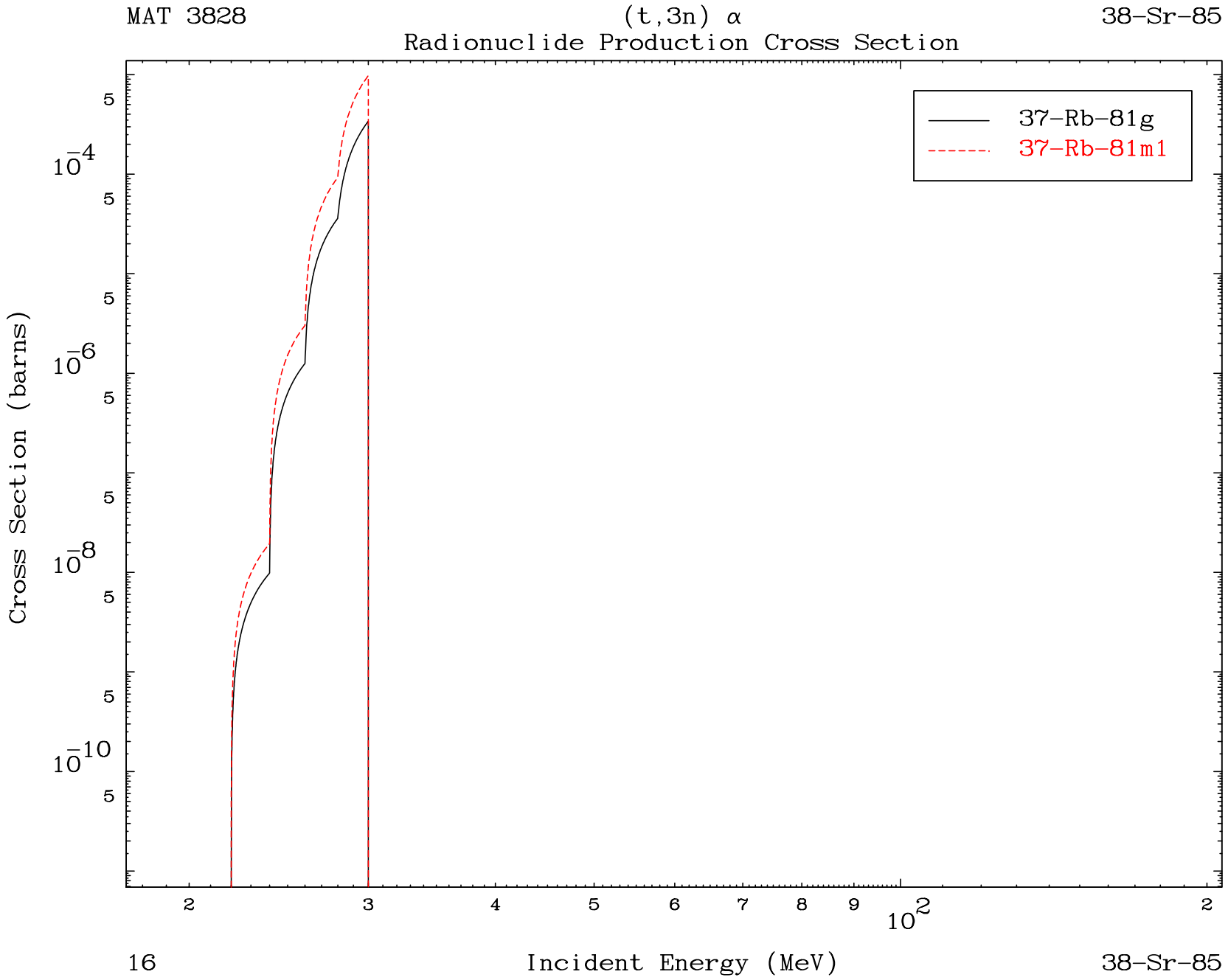

MAT 3828
(t,α) Levels
38-Sr-85
0 Kelvin Cross Sections
(t,α)
Cross Section (barns)
Incident Energy (MeV)
11
38-Sr-85

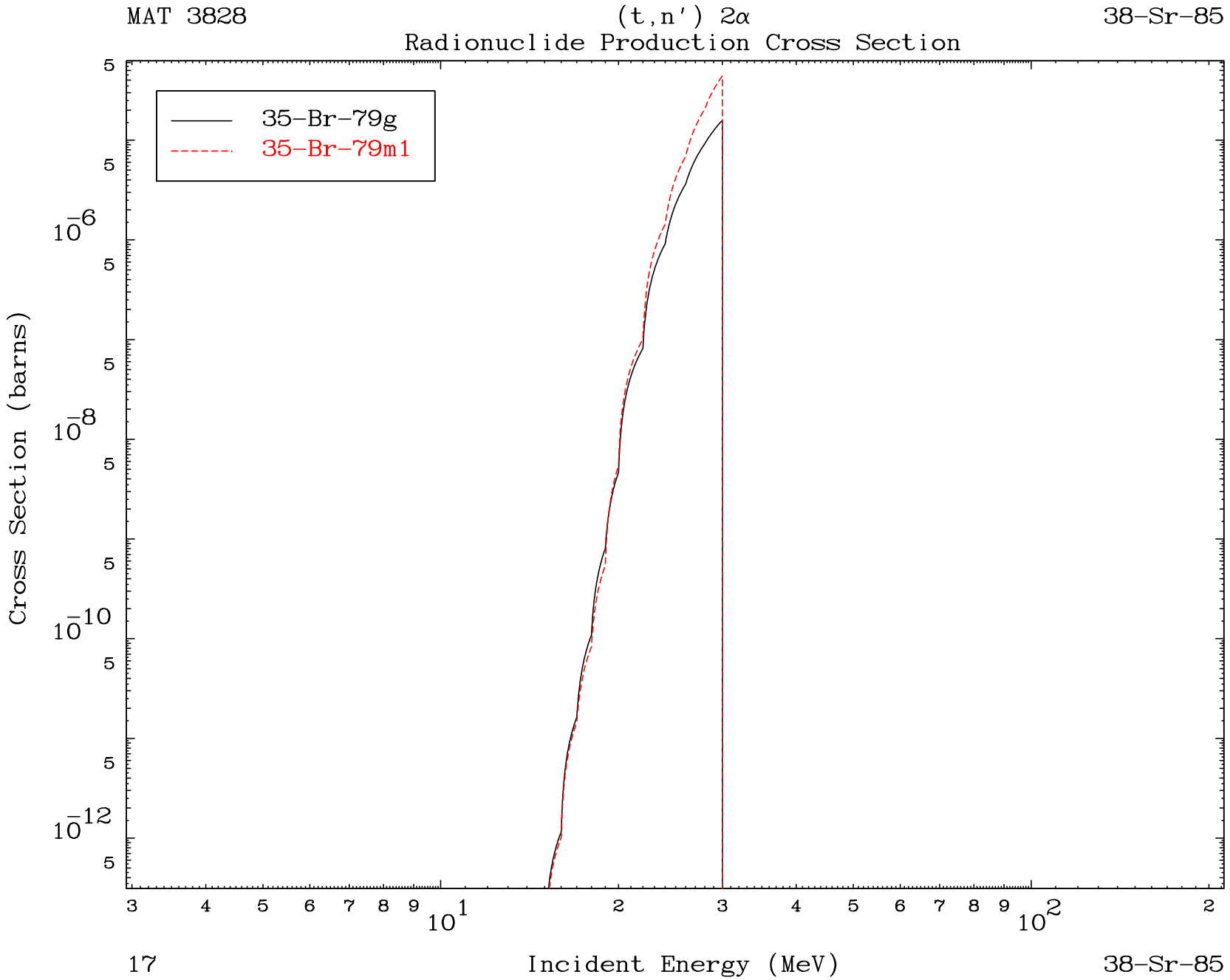

MAT 3828
Triton Inelastic
38-Sr-85
Radionuclide Production Cross Section
39-Y -87g
39-Y -87m1
Cross Section (barns)
Incident Energy (MeV)
12
38-Sr-85

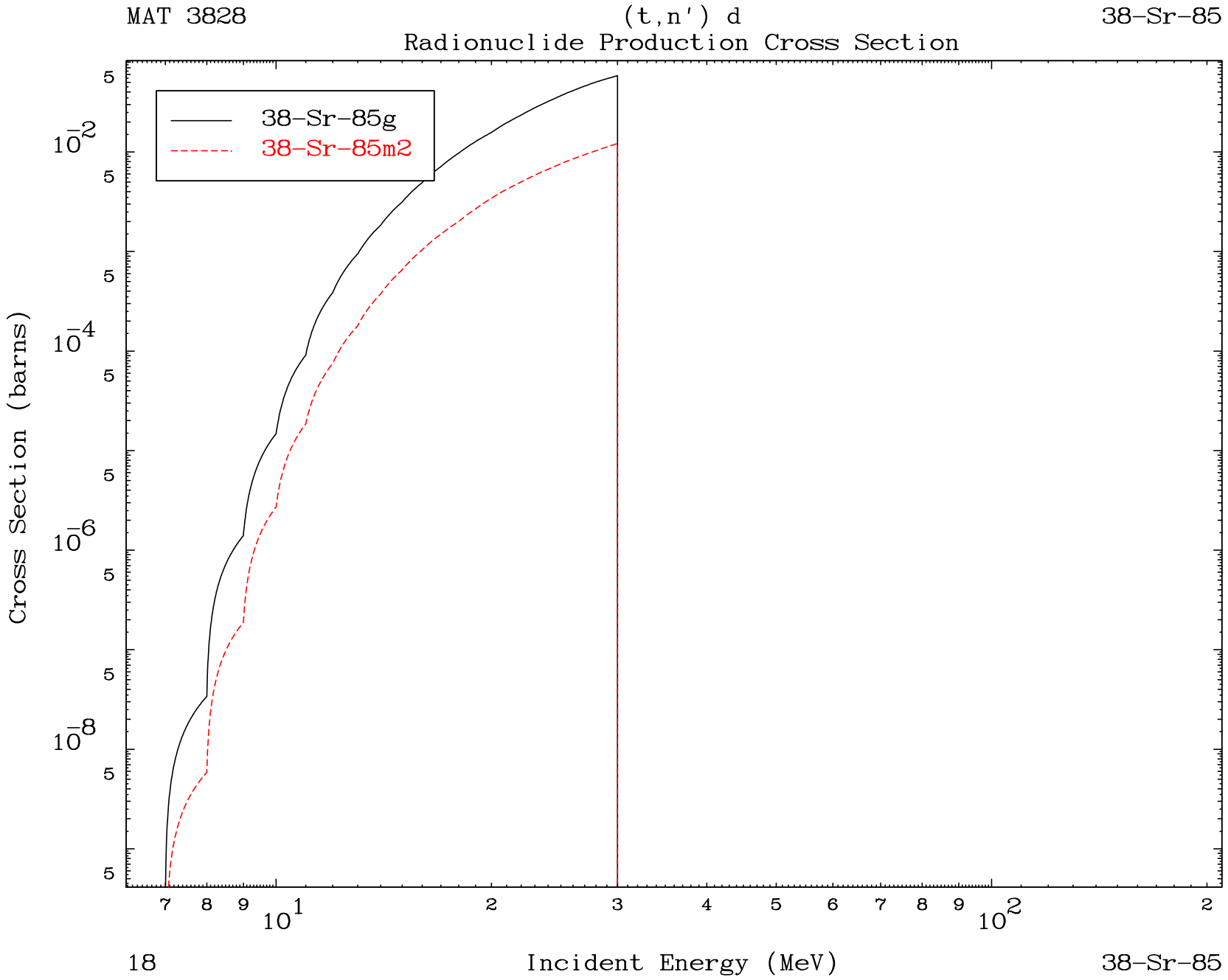

MAT 3828
(t,2n)
38-Sr-85
Radionuclide Production Cross Section
39-Y -86g
39-Y -86m2
Cross Section (barns)
Incident Energy (MeV)
13
38-Sr-85

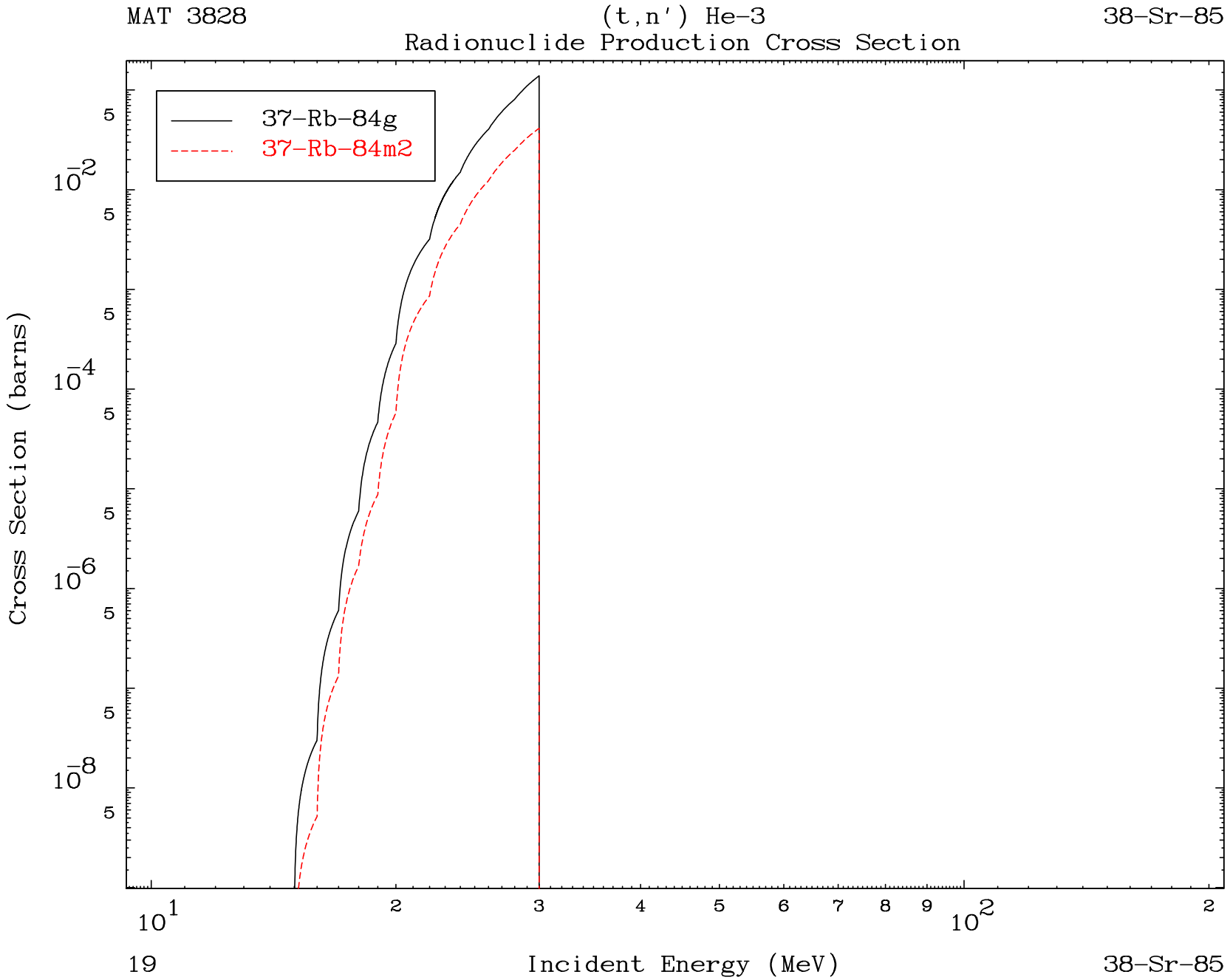

MAT 3828
(t,3n)
38-Sr-85
Radionuclide Production Cross Section
Cross Section (barns)
10-1
10-2
10-3
10-4
10-5
5
39-Y -85g
39-Y -85m1
2
3
4
5
6
7
8
9
10 2
2
14
Incident Energy (MeV)
38-Sr-85

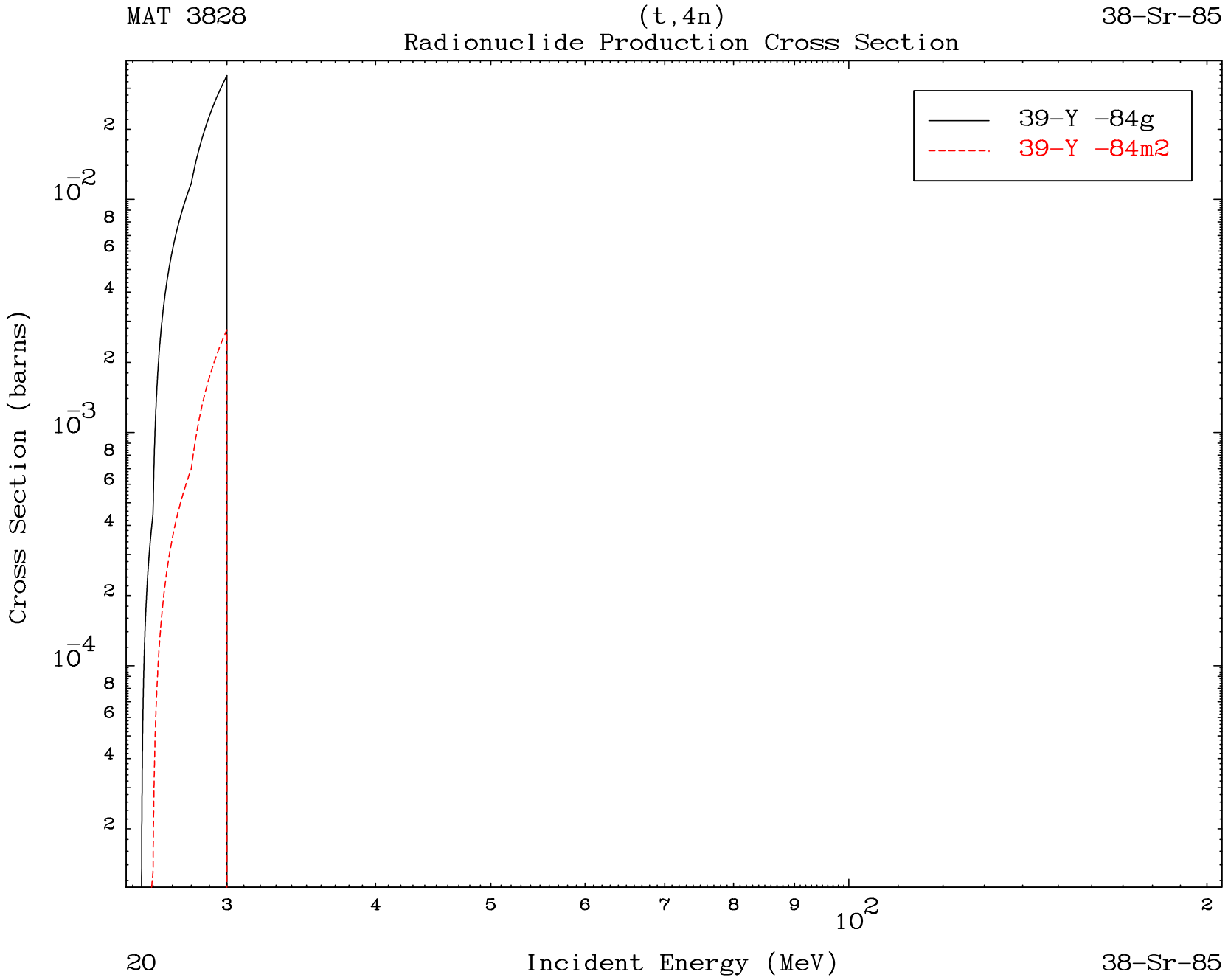

MAT 3828
(t,2n) α
38-Sr-85
Radionuclide Production Cross Section
37-Rb-82g
37-Rb-82m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
15
Incident Energy (MeV)
38-Sr-85

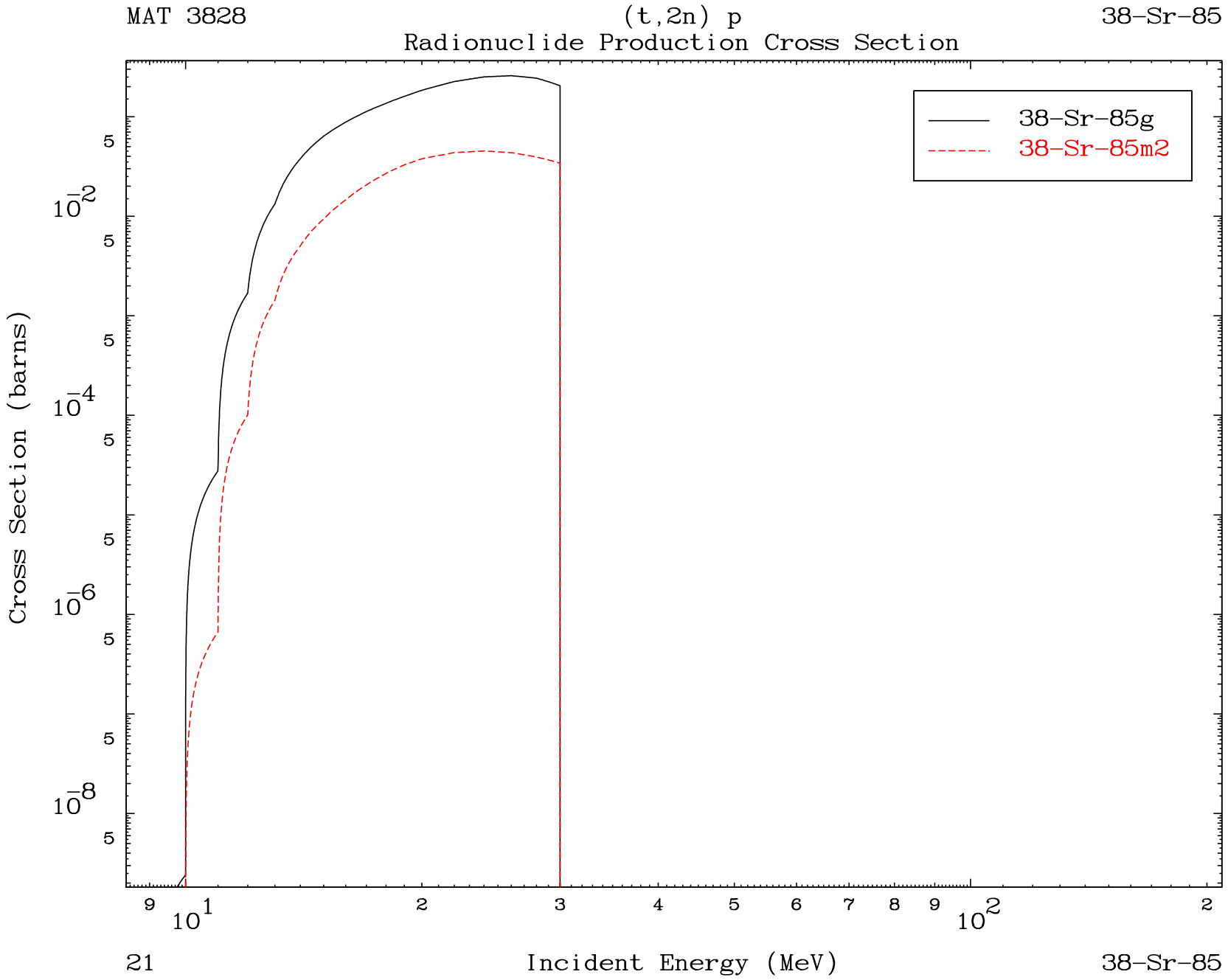

MAT 3828
(t,3n) α
38-Sr-85
Radionuclide Production Cross Section
37-Rb-81g
37-Rb-81m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
38-Sr-85

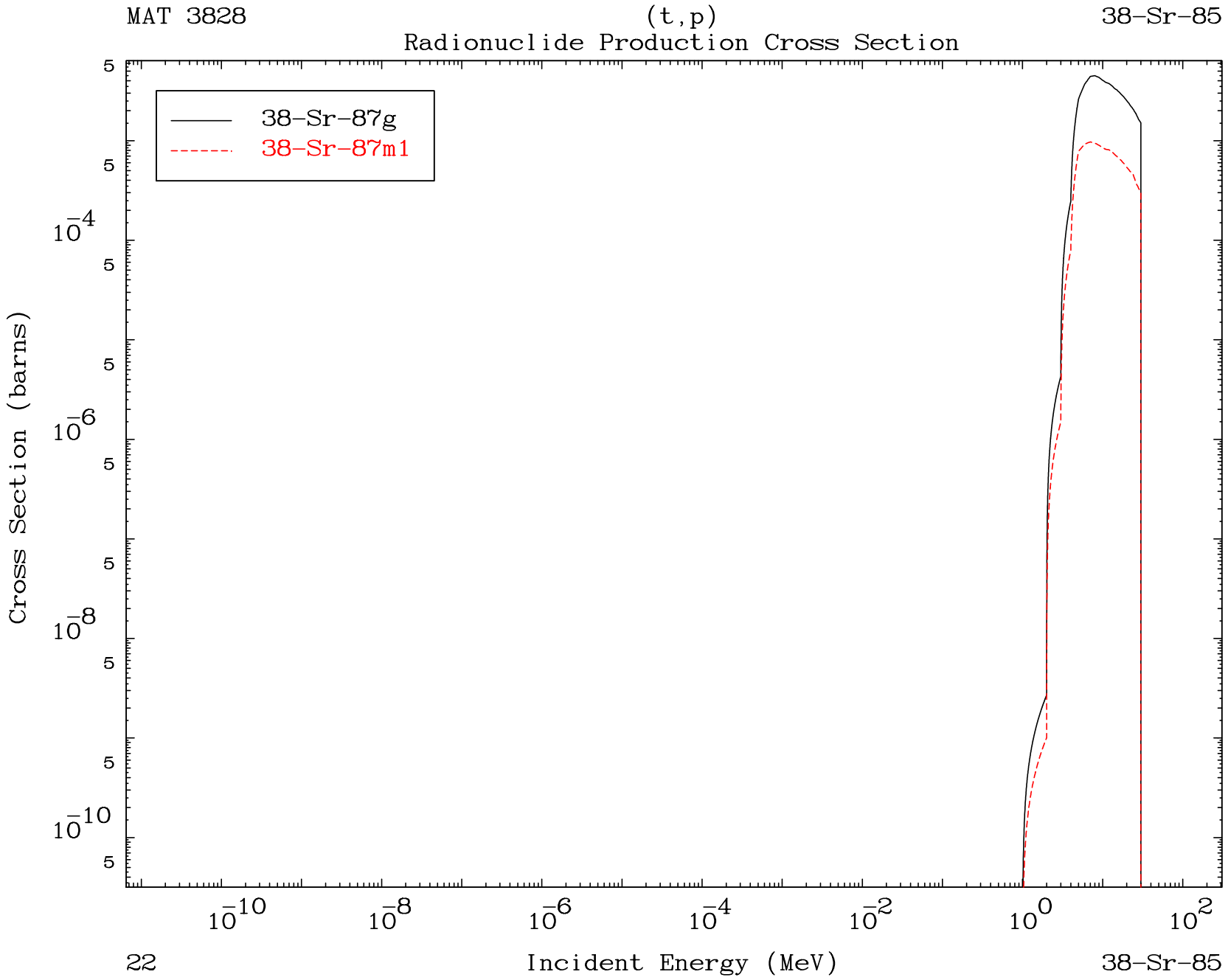

MAT 3828
(t,n') 2α
38-Sr-85
Radionuclide Production Cross Section
35-Br-79g
35-Br-79m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
17
Incident Energy (MeV)
38-Sr-85

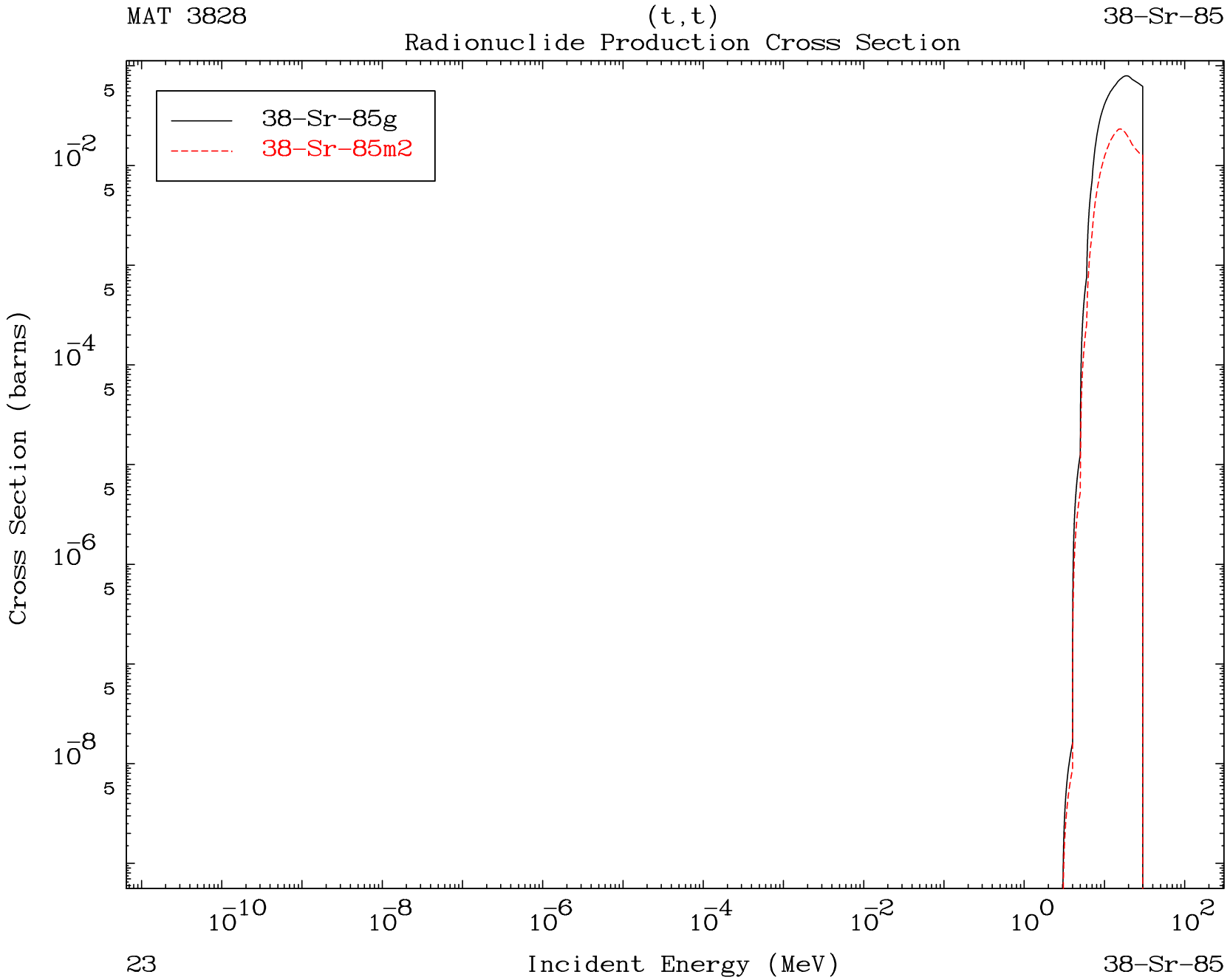

MAT 3828
(t,n') d
38-Sr-85
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
Incident Energy (MeV)
18
38-Sr-85

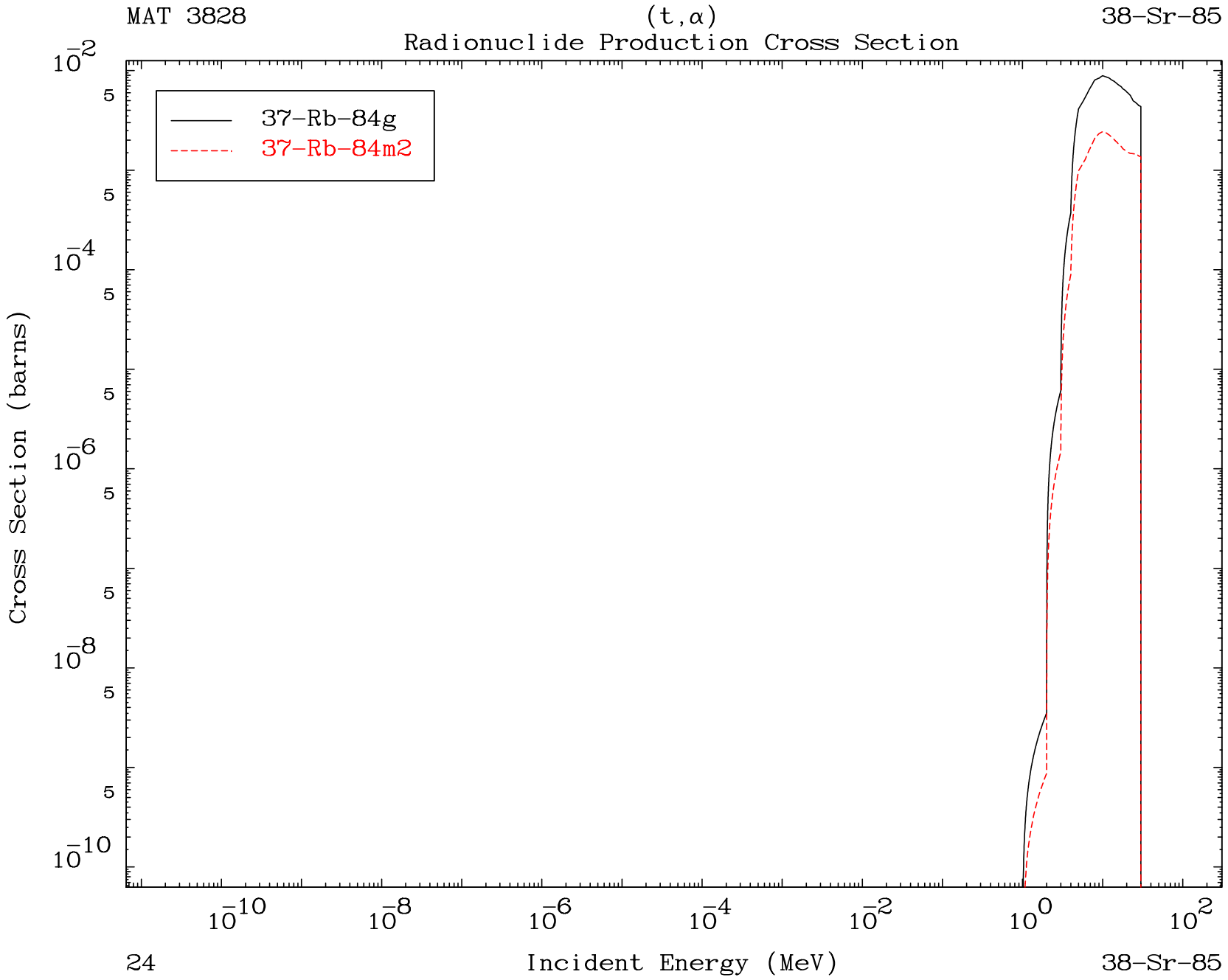

MAT 3828
(t,n') He-3
38-Sr-85
Radionuclide Production Cross Section
37-Rb-84g
37-Rb-84m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
19
38-Sr-85

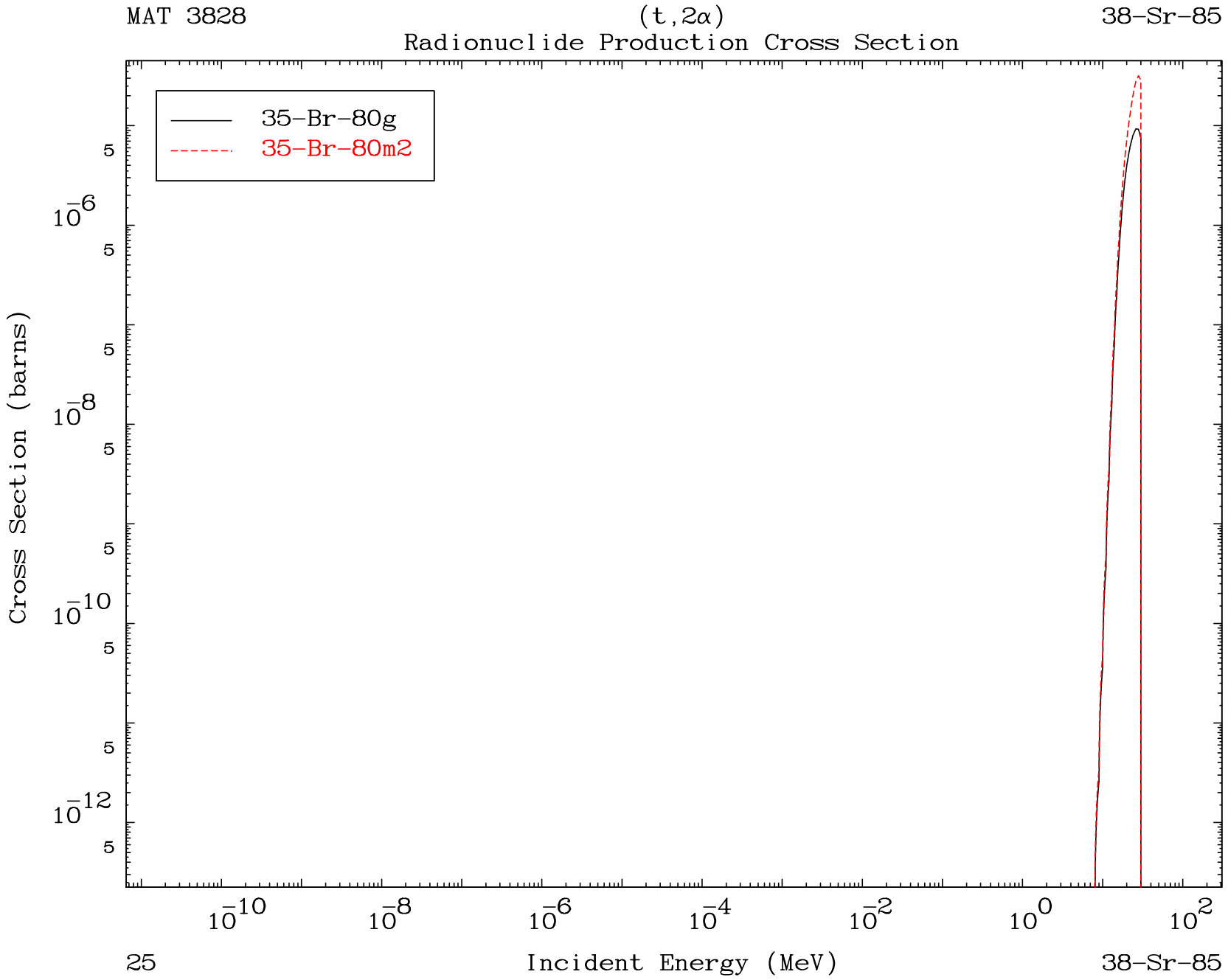

MAT 3828
(t,4n)
38-Sr-85
Radionuclide Production Cross Section
39-Y -84g
39-Y -84m2
Cross Section (barns)
Incident Energy (MeV)
20
38-Sr-85

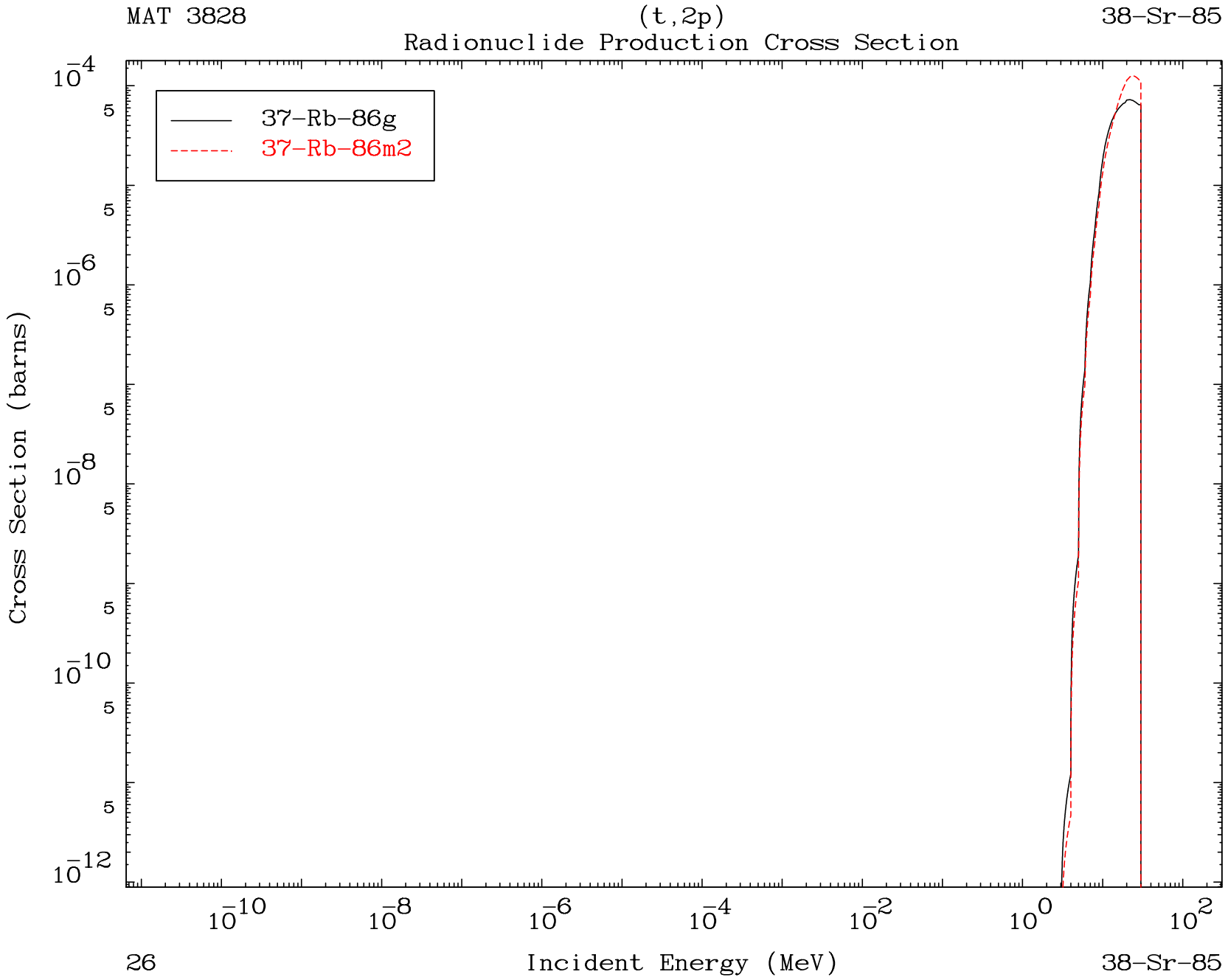

MAT 3828
(t,2n) p
38-Sr-85
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
Incident Energy (MeV)
21
38-Sr-85

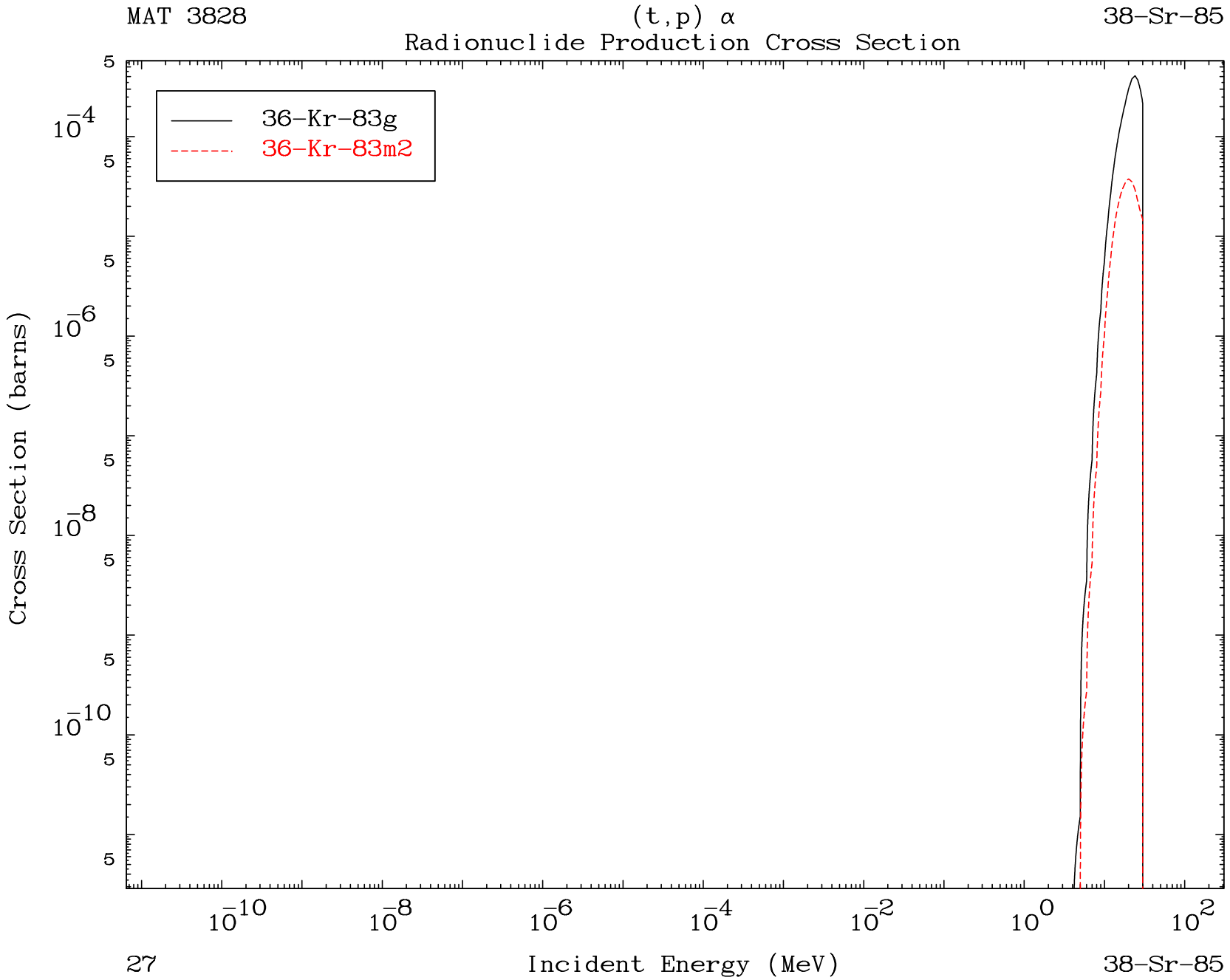

MAT 3828
(t,p)
38-Sr-85
Radionuclide Production Cross Section
38-Sr-87g
38-Sr-87m1
Cross Section (barns)
Incident Energy (MeV)
22
38-Sr-85

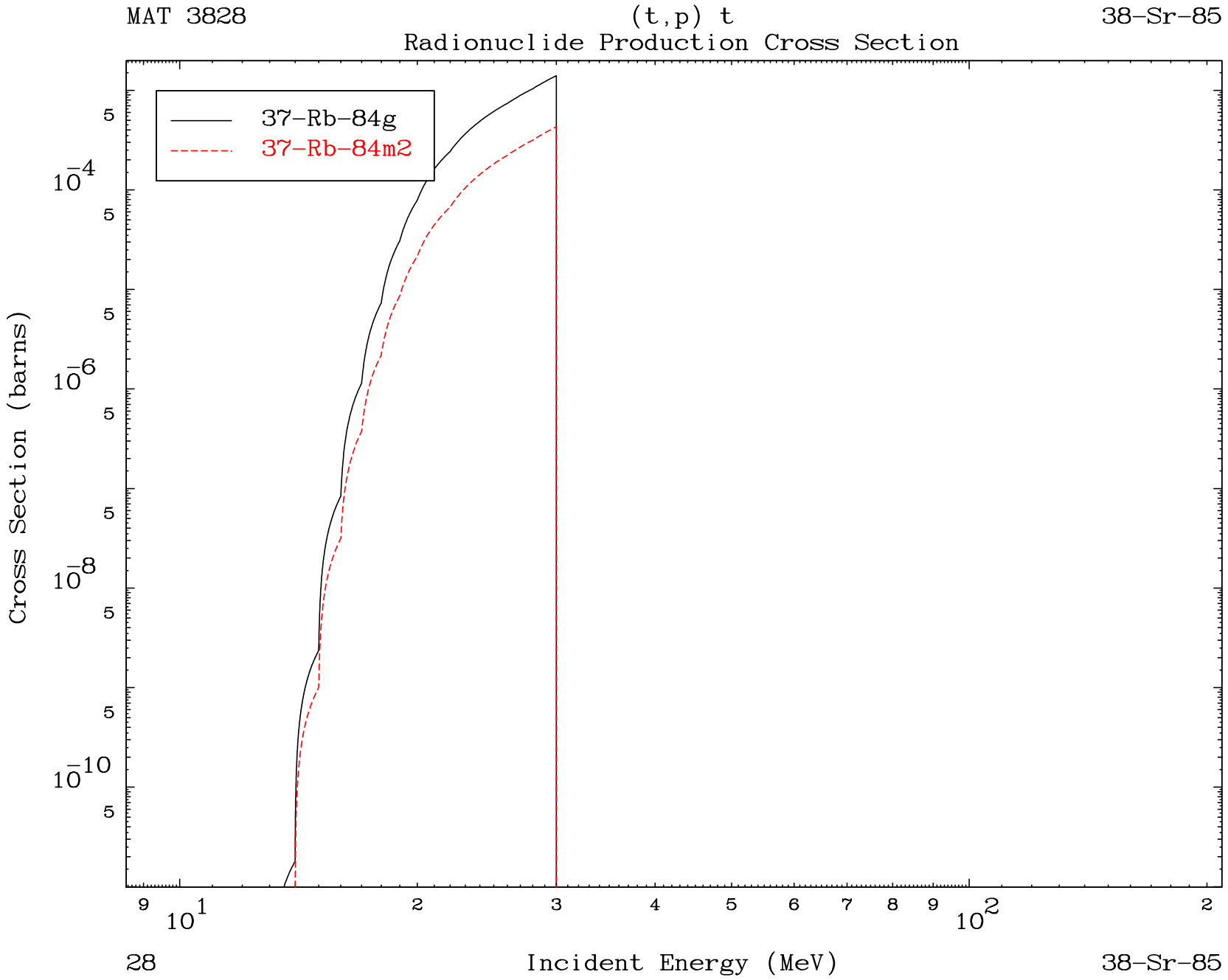

MAT 3828
(t,t)
38-Sr-85
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
Incident Energy (MeV)
23
38-Sr-85


MAT 3828
(t,α)
38-Sr-85
Radionuclide Production Cross Section
37-Rb-84g
37-Rb-84m2
Cross Section (barns)
Incident Energy (MeV)
24
38-Sr-85


MAT 3828
(t,2α)
38-Sr-85
Radionuclide Production Cross Section
35-Br-80g
35-Br-80m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
25
Incident Energy (MeV)
38-Sr-85


MAT 3828
(t,2p)
38-Sr-85
Radionuclide Production Cross Section
37-Rb-86g
37-Rb-86m2
Cross Section (barns)
Incident Energy (MeV)
26
38-Sr-85


MAT 3828
(t,p) α
38-Sr-85
Radionuclide Production Cross Section
36-Kr-83g
36-Kr-83m2
Cross Section (barns)
Incident Energy (MeV)
27
38-Sr-85


MAT 3828
(t,p) t
38-Sr-85
Radionuclide Production Cross Section
37-Rb-84g
37-Rb-84m2
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
28
38-Sr-85