Program EVALPLOT
(Version 2018-1)
by
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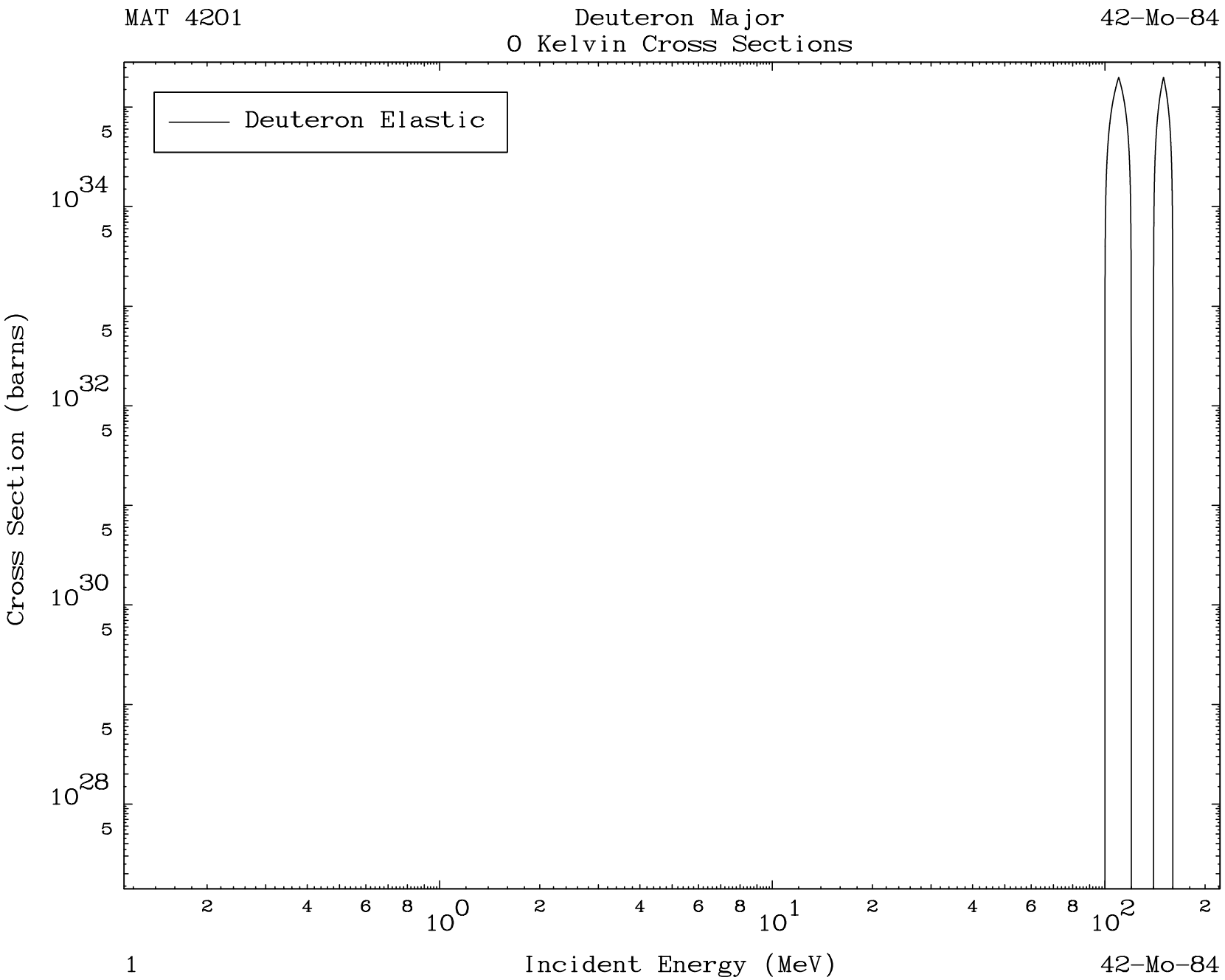
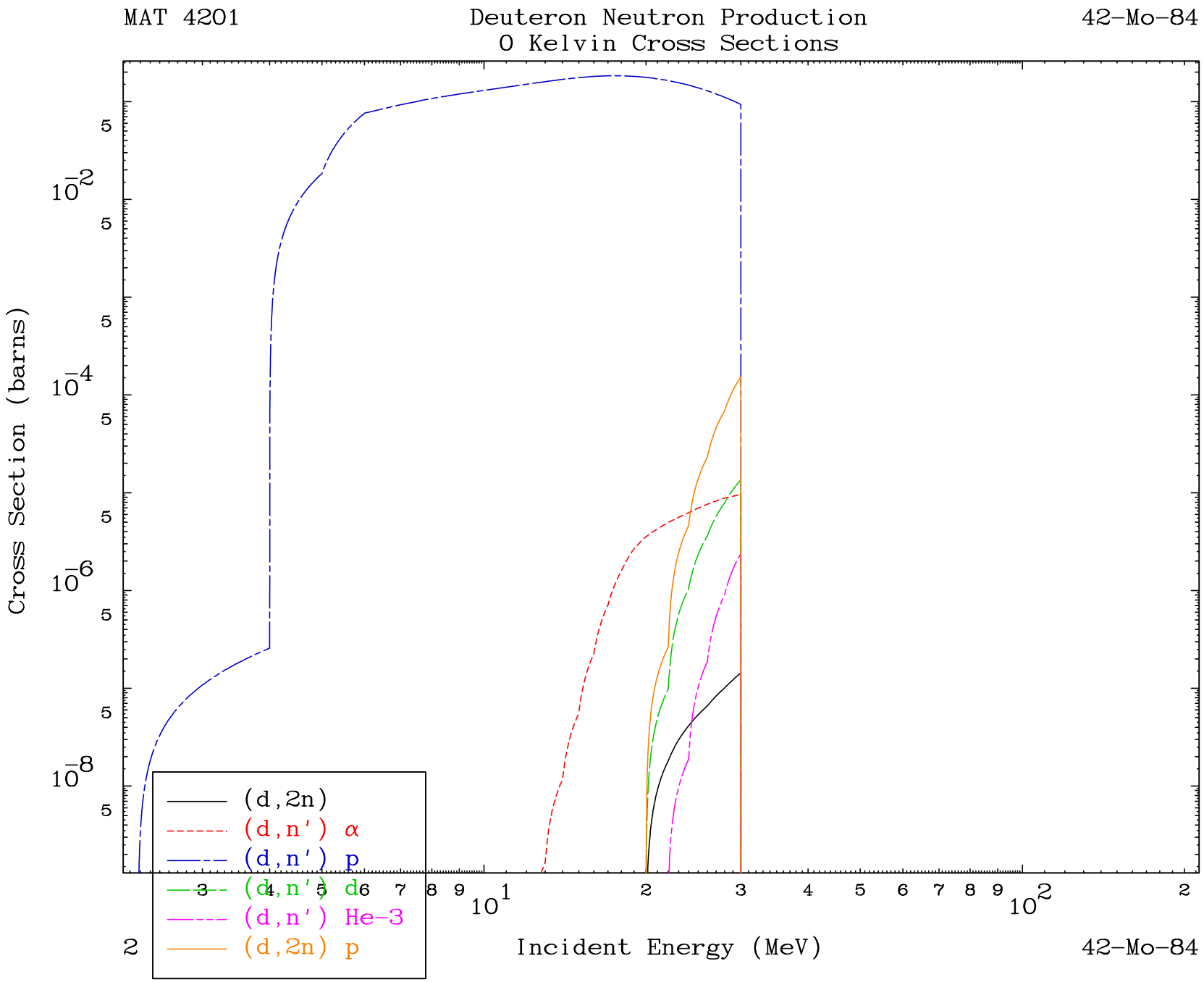
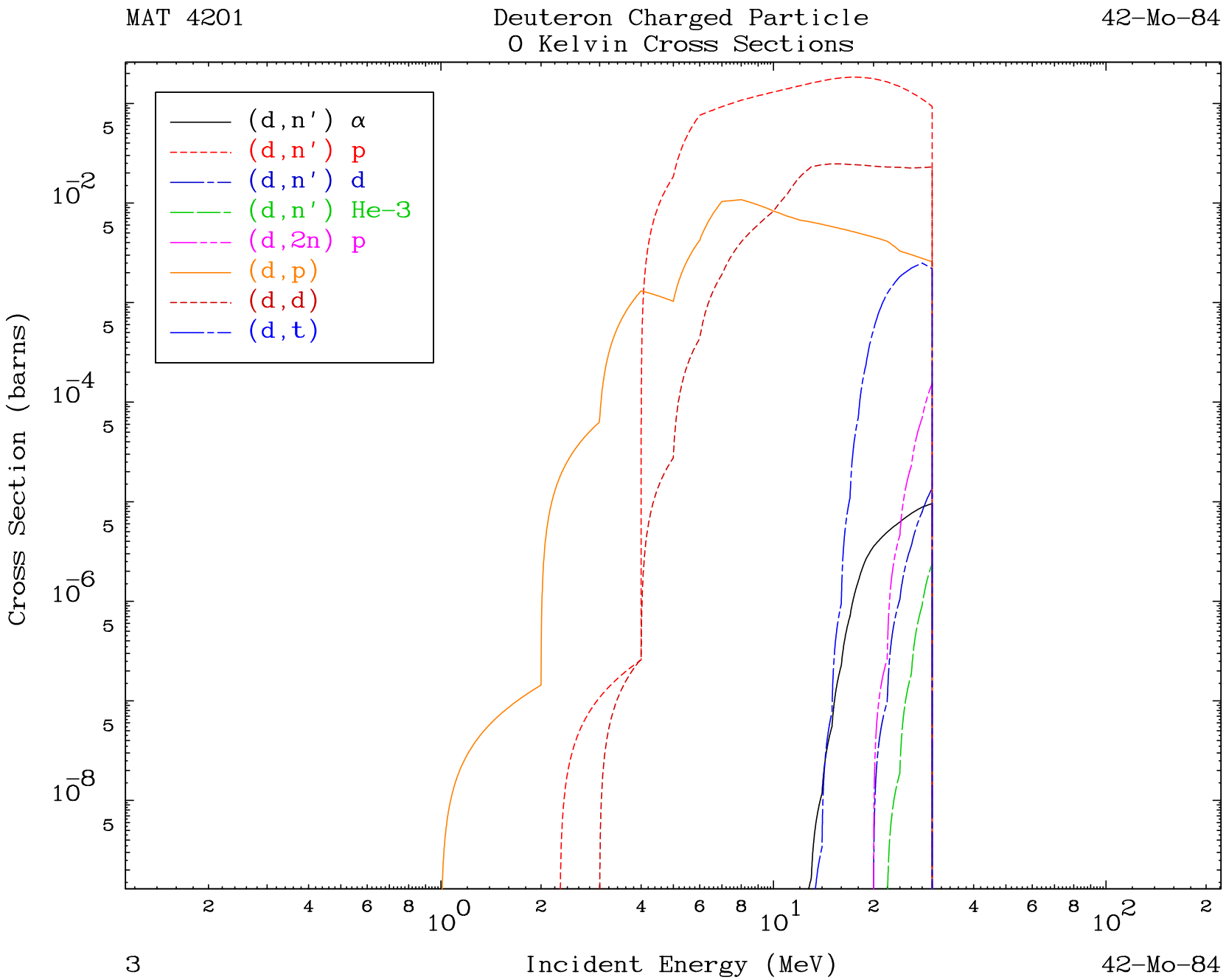
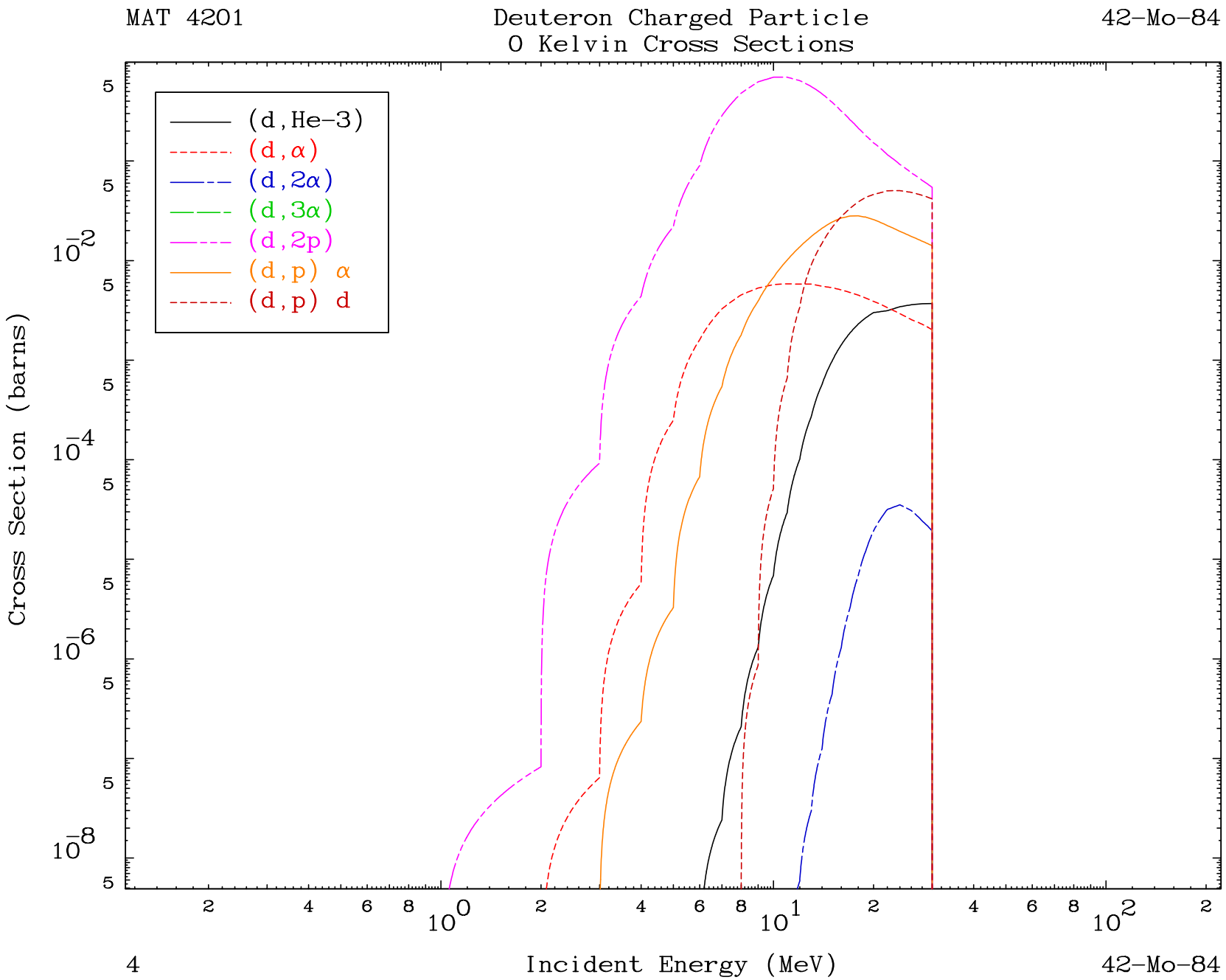
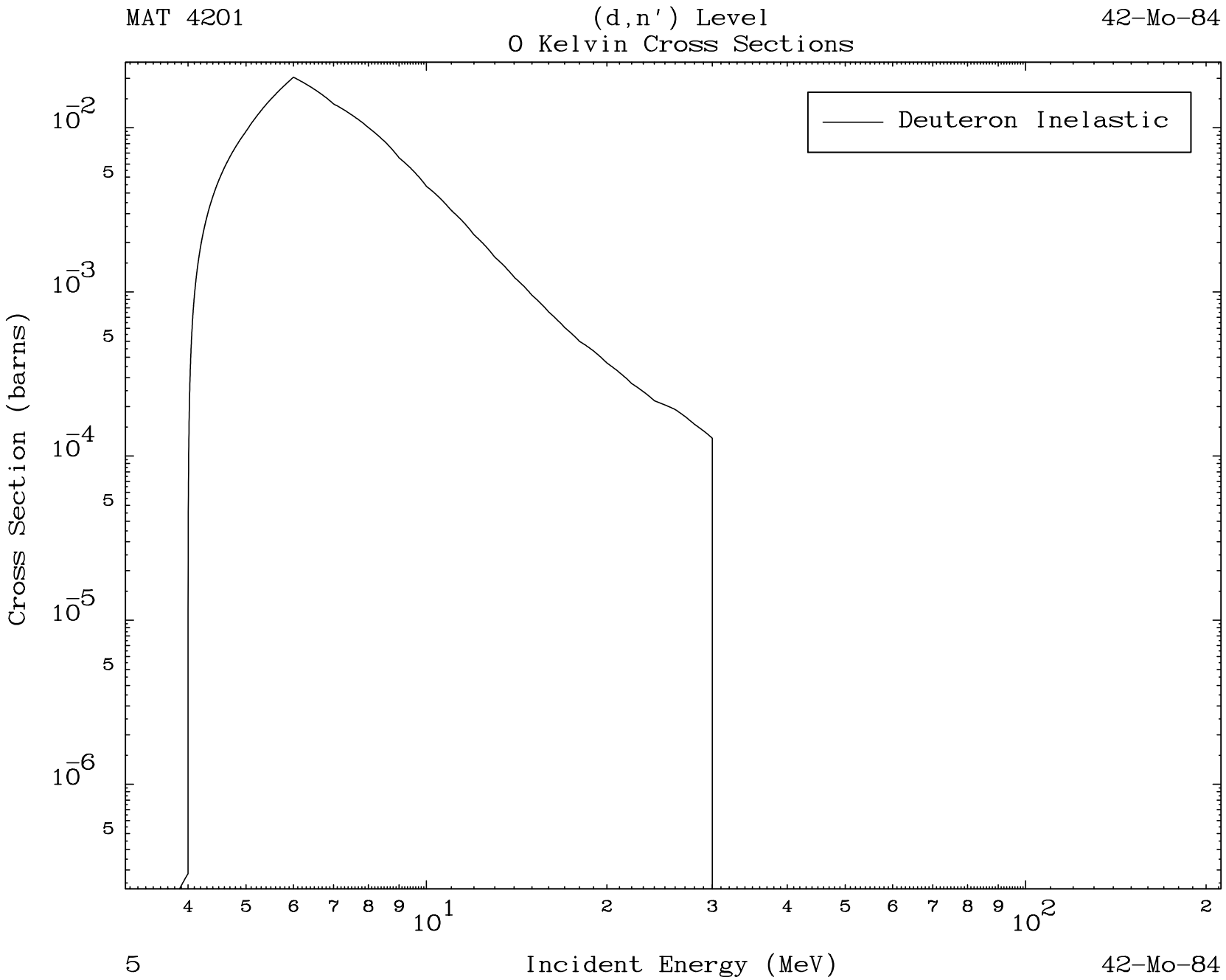
Press Mouse Button to Start

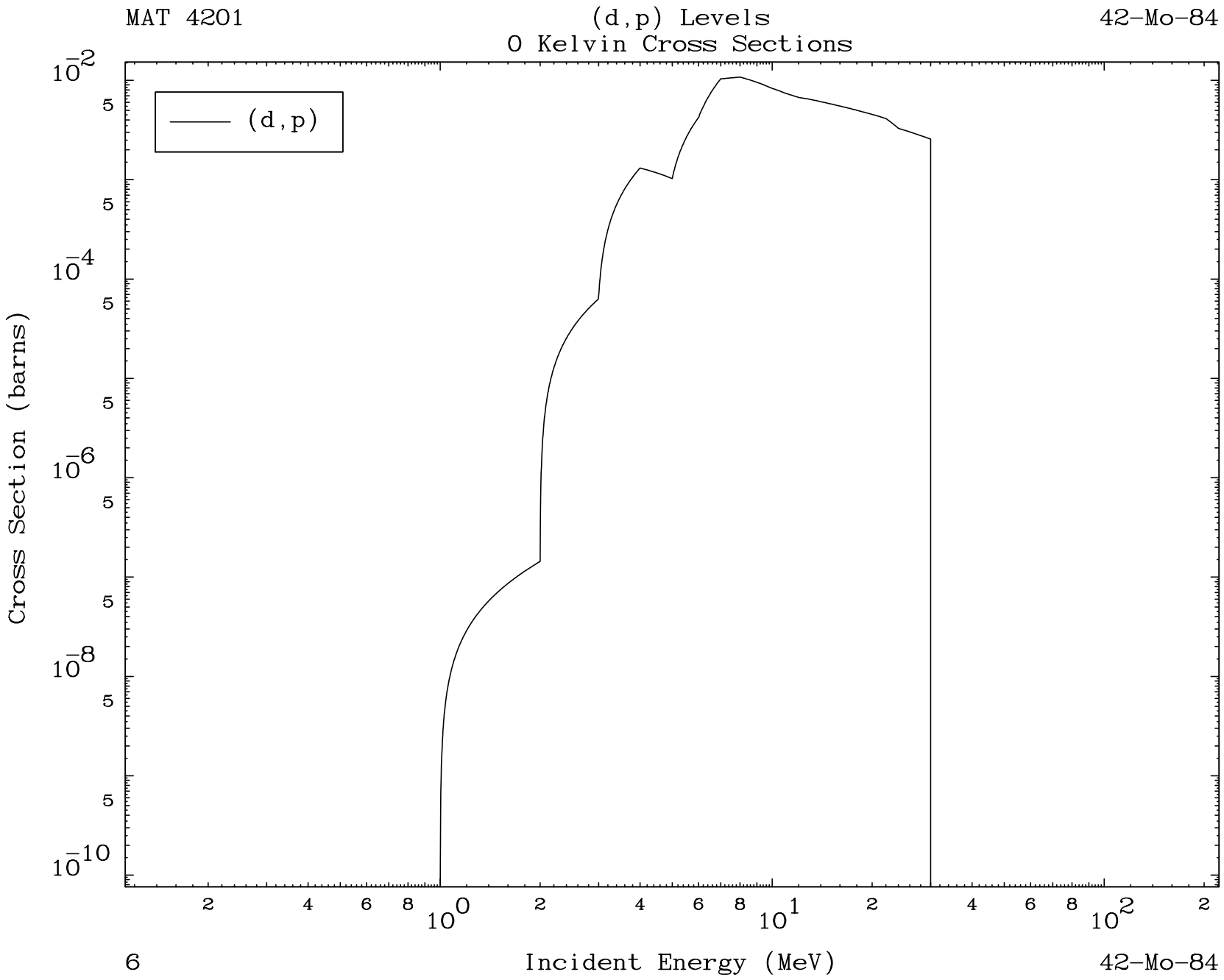

MAT 4201
Deuteron Major
42-Mo-84
0 Kelvin Cross Sections
Deuteron Elastic
Cross Section (barns)
10^34
10^32
10^30
10^28
5
2
4
6
8
10^0
10^1
10^2
Incident Energy (MeV)
1
42-Mo-84

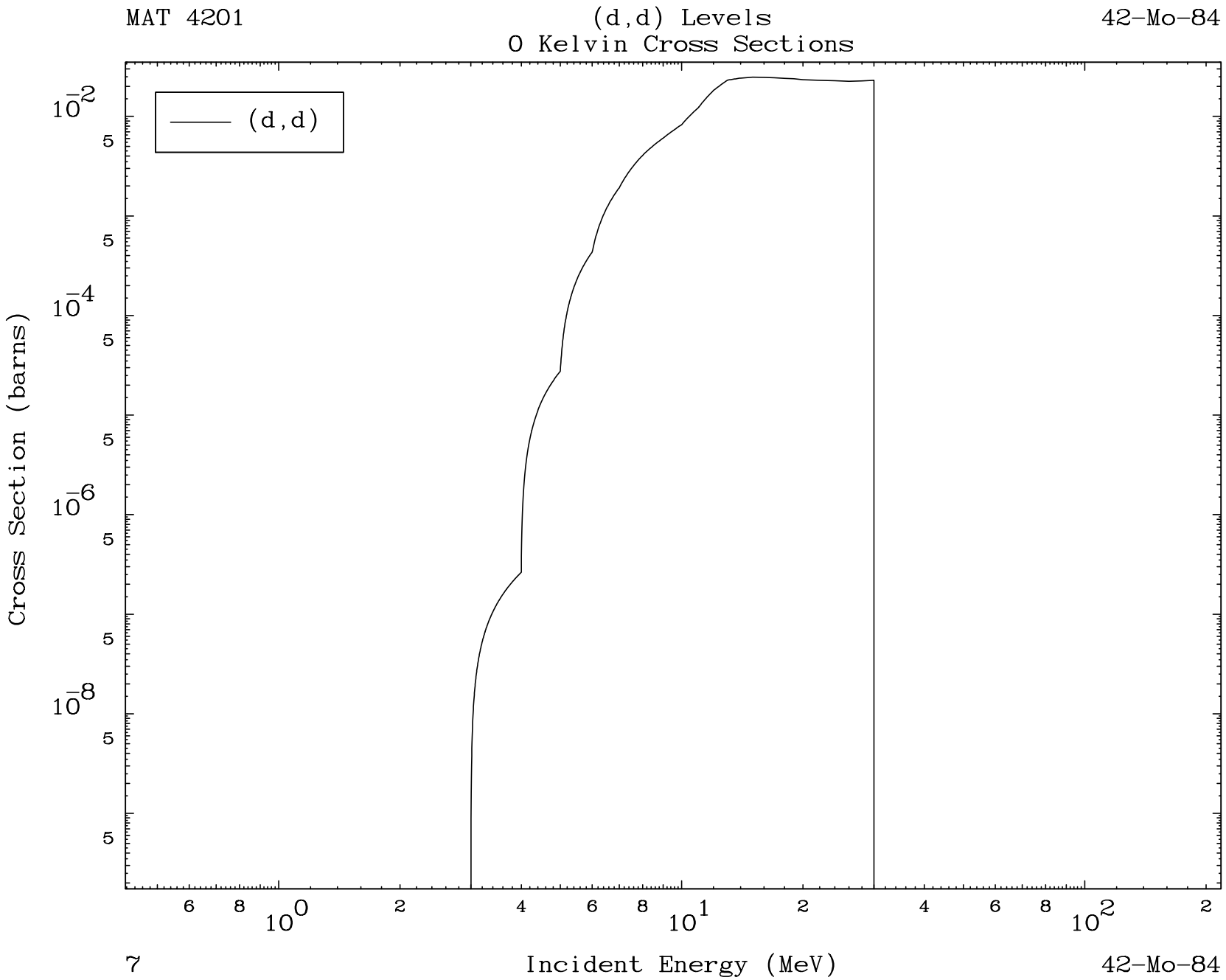

MAT 4201
Deuteron Neutron Production
0 Kelvin Cross Sections
42-Mo-84
Cross Section (barns)
Incident Energy (MeV)
42-Mo-84
(d,2n)
(d,n') α
(d,n') p
(d,n') d
(d,n') He-3
(d,2n) p

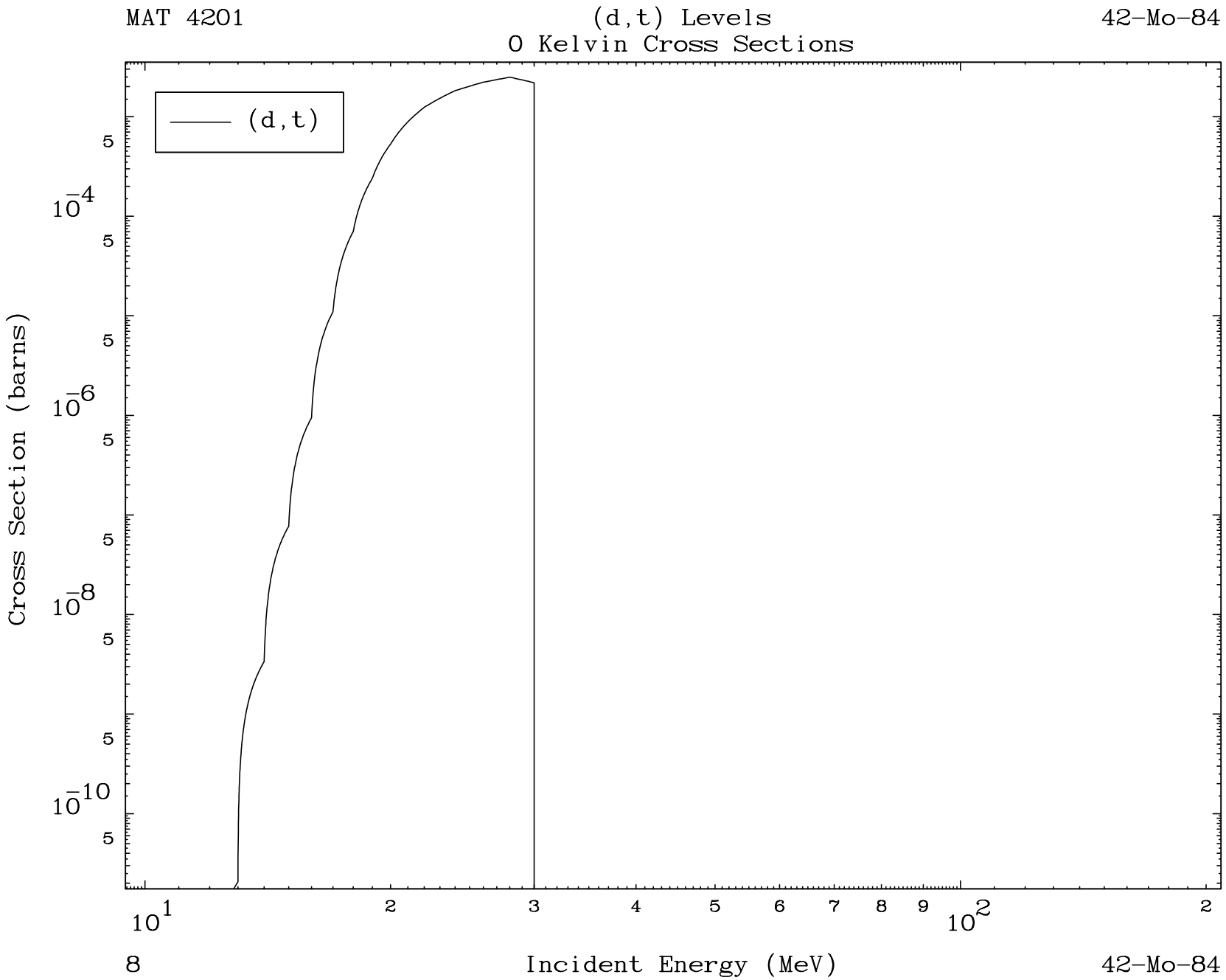

MAT 4201
Deuteron Charged Particle
0 Kelvin Cross Sections
42-Mo-84
(d,n') α
(d,n') p
(d,n') d
(d,n') He-3
(d,2n) p
(d,p)
(d,d)
(d,t)
Cross Section (barns)
Incident Energy (MeV)
3
42-Mo-84

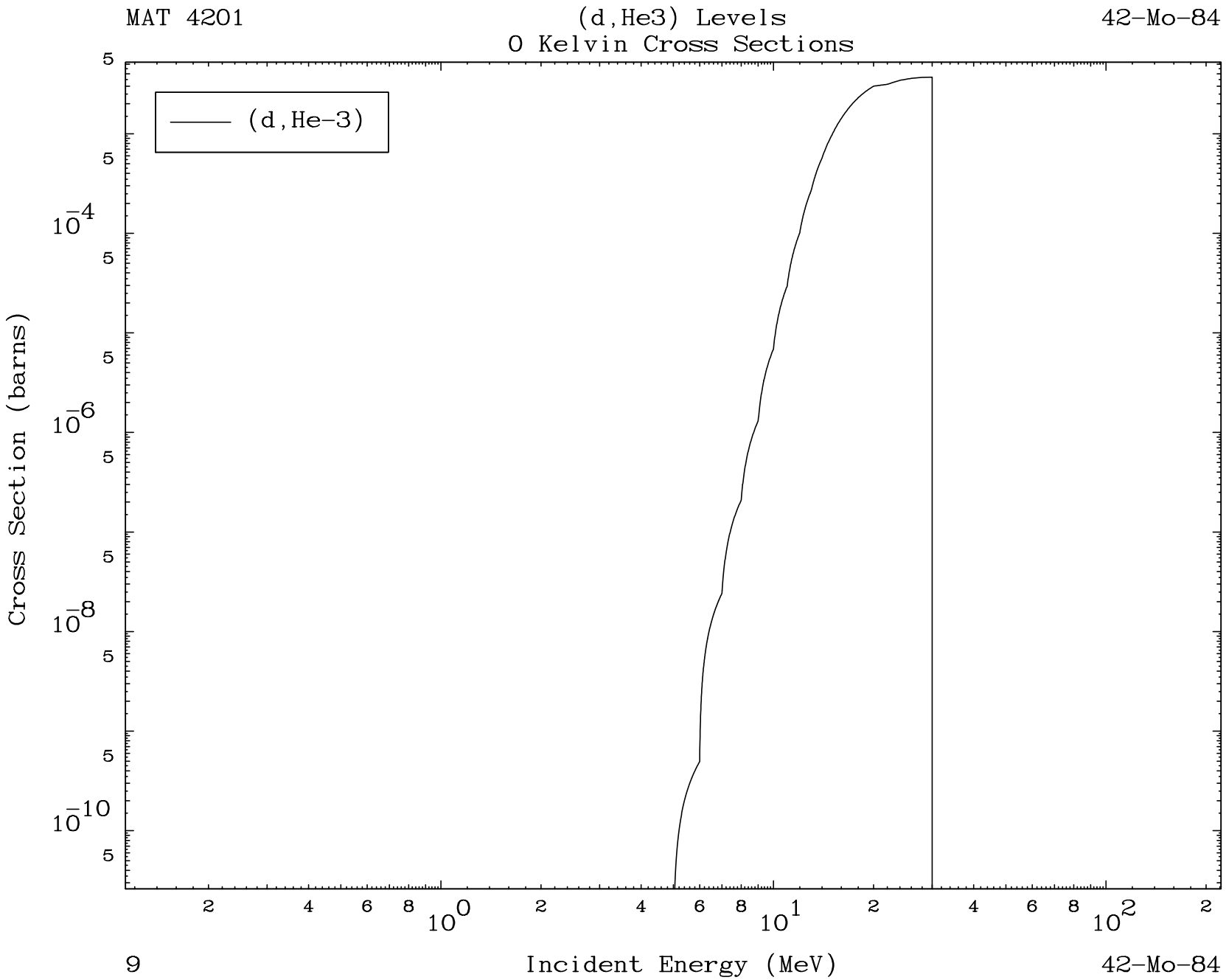

MAT 4201
Deuteron Charged Particle
0 Kelvin Cross Sections
42-Mo-84
(d,He-3)
(d,α)
(d,2α)
(d,3α)
(d,2p)
(d,p) α
(d,p) d
Cross Section (barns)
Incident Energy (MeV)
4
42-Mo-84

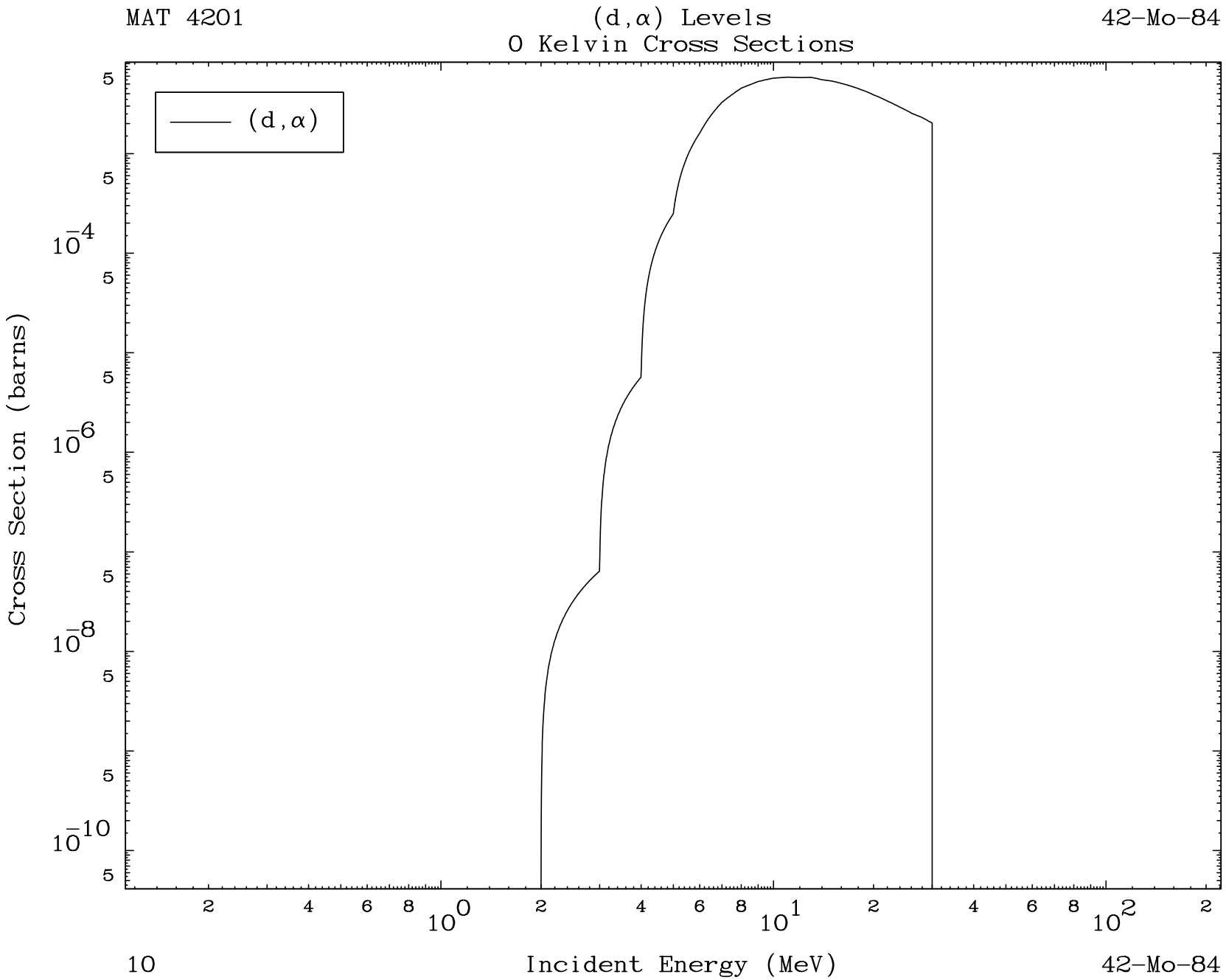

MAT 4201
(d,n') Level
42-Mo-84
0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
10-6
5
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
5
Incident Energy (MeV)
42-Mo-84

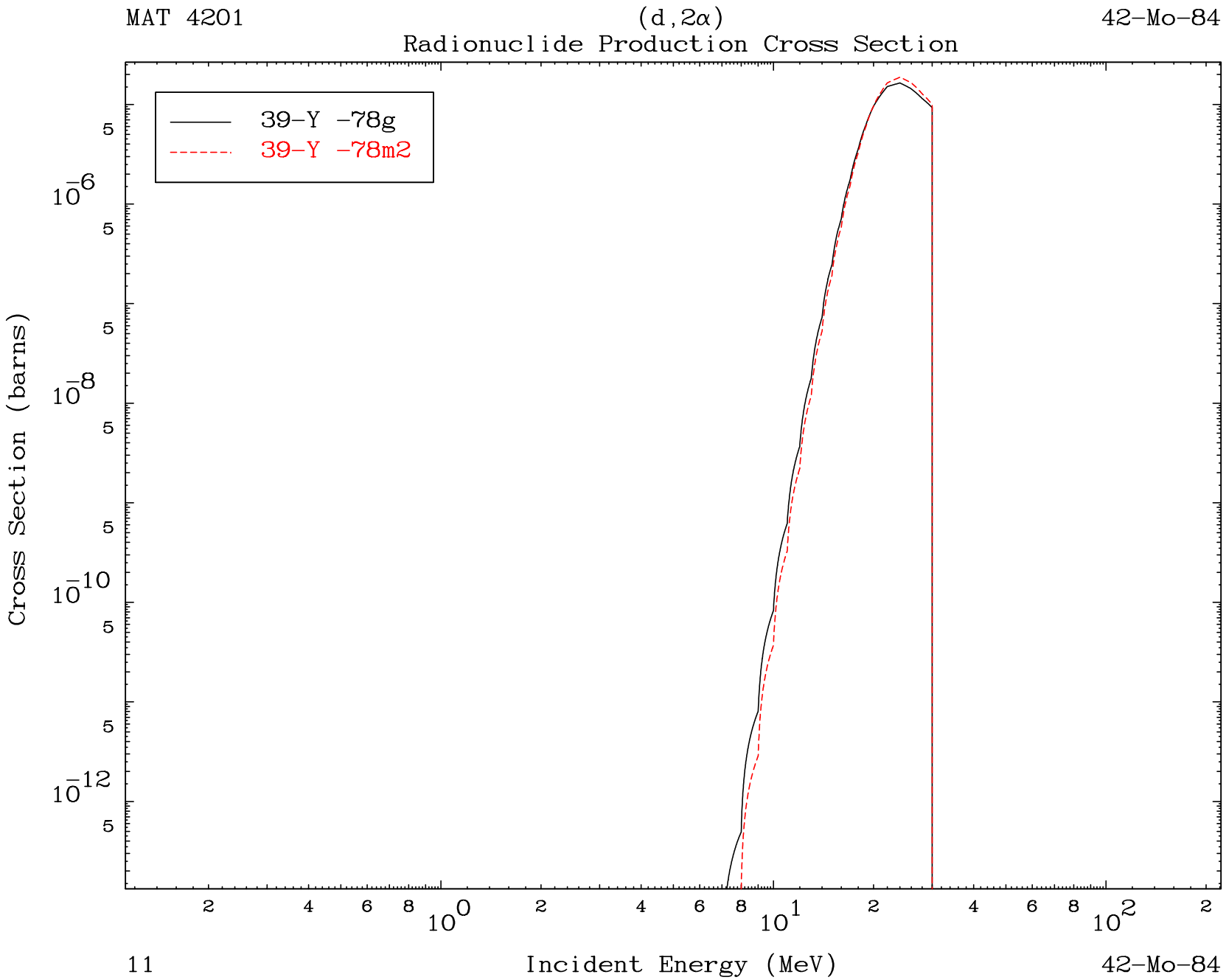

MAT 4201
(d,p) Levels
42-Mo-84
0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
Incident Energy (MeV)
6
42-Mo-84


MAT 4201
(d,d) Levels
42-Mo-84
0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
Incident Energy (MeV)
7
42-Mo-84


MAT 4201
(d,t) Levels
42-Mo-84
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
42-Mo-84


MAT 4201
(d,He3) Levels
42-Mo-84
0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
Incident Energy (MeV)
9
42-Mo-84


MAT 4201
(d,α) Levels
42-Mo-84
0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
Incident Energy (MeV)
42-Mo-84


MAT 4201
(d,2α)
42-Mo-84
Radionuclide Production Cross Section
39-Y -78g
39-Y -78m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^0
10^1
10^2
Incident Energy (MeV)
11
42-Mo-84