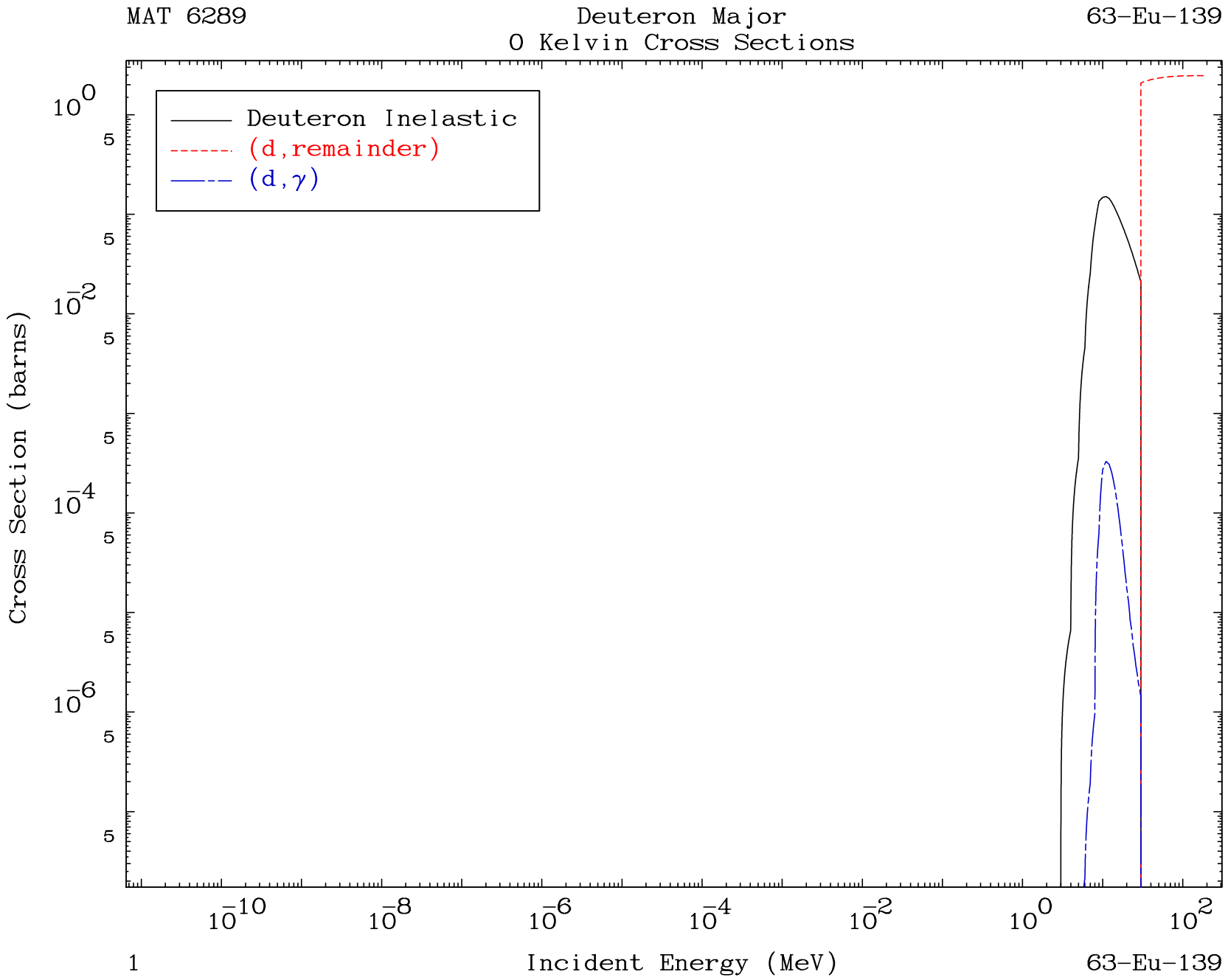
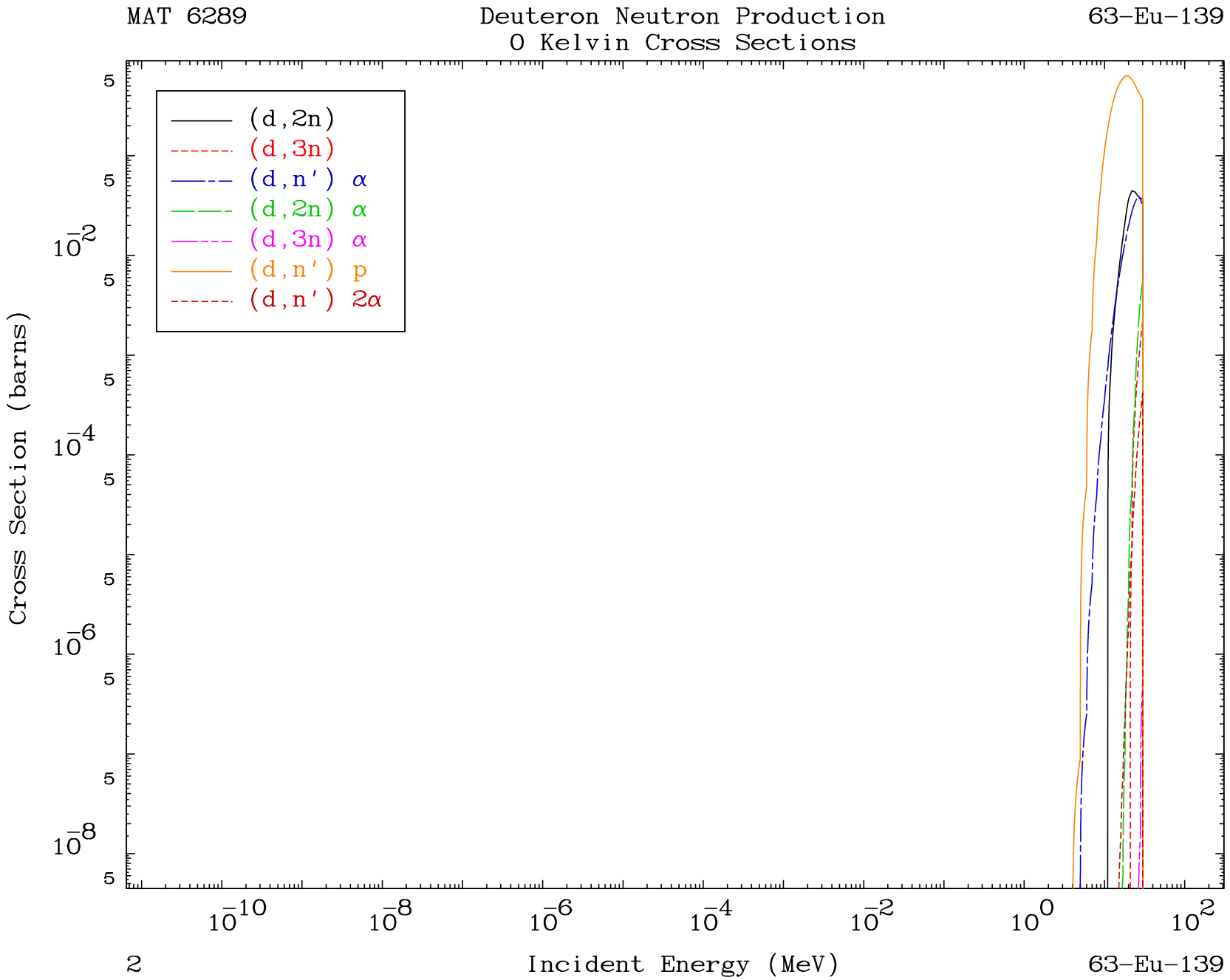
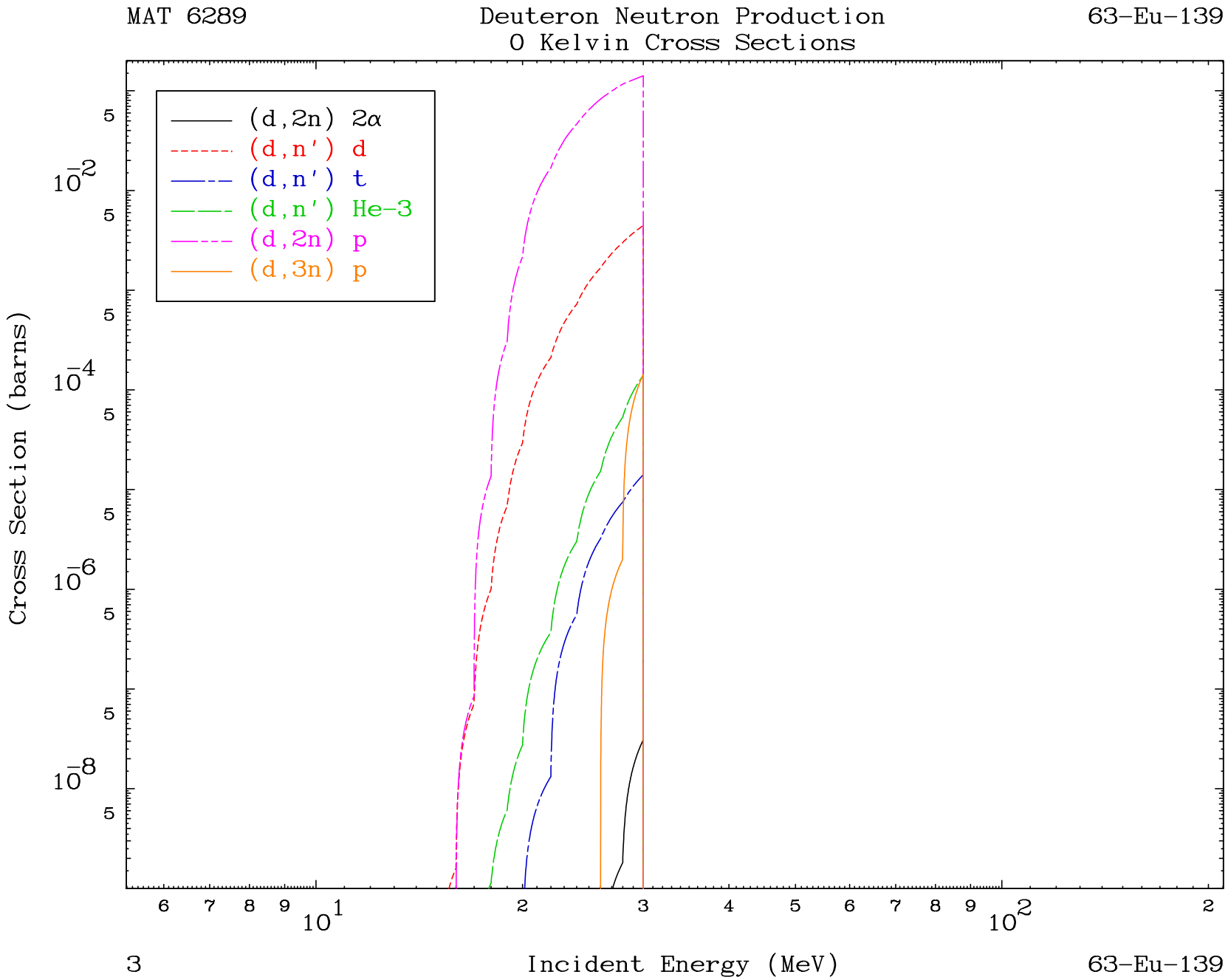
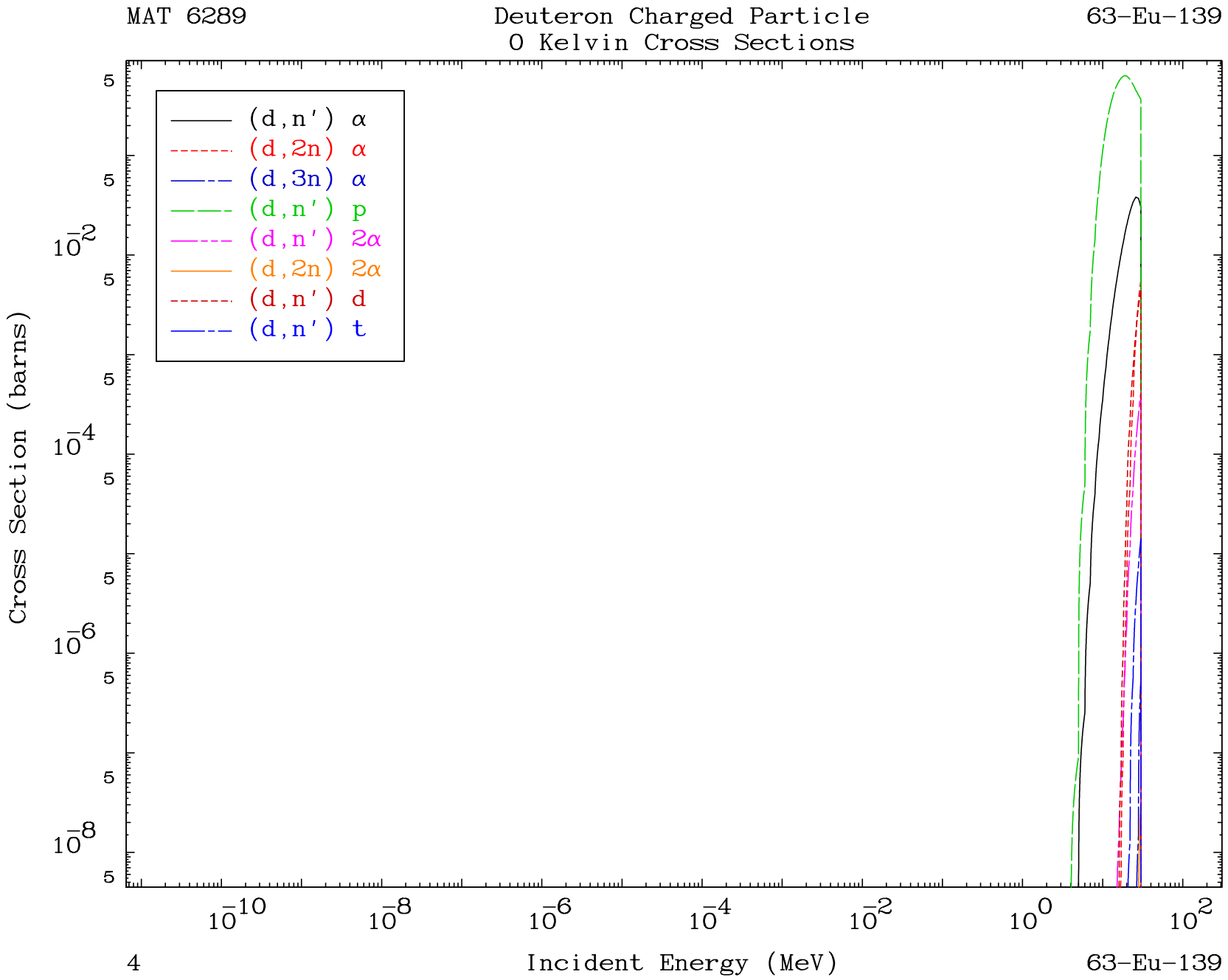
Program EVALPLOT
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

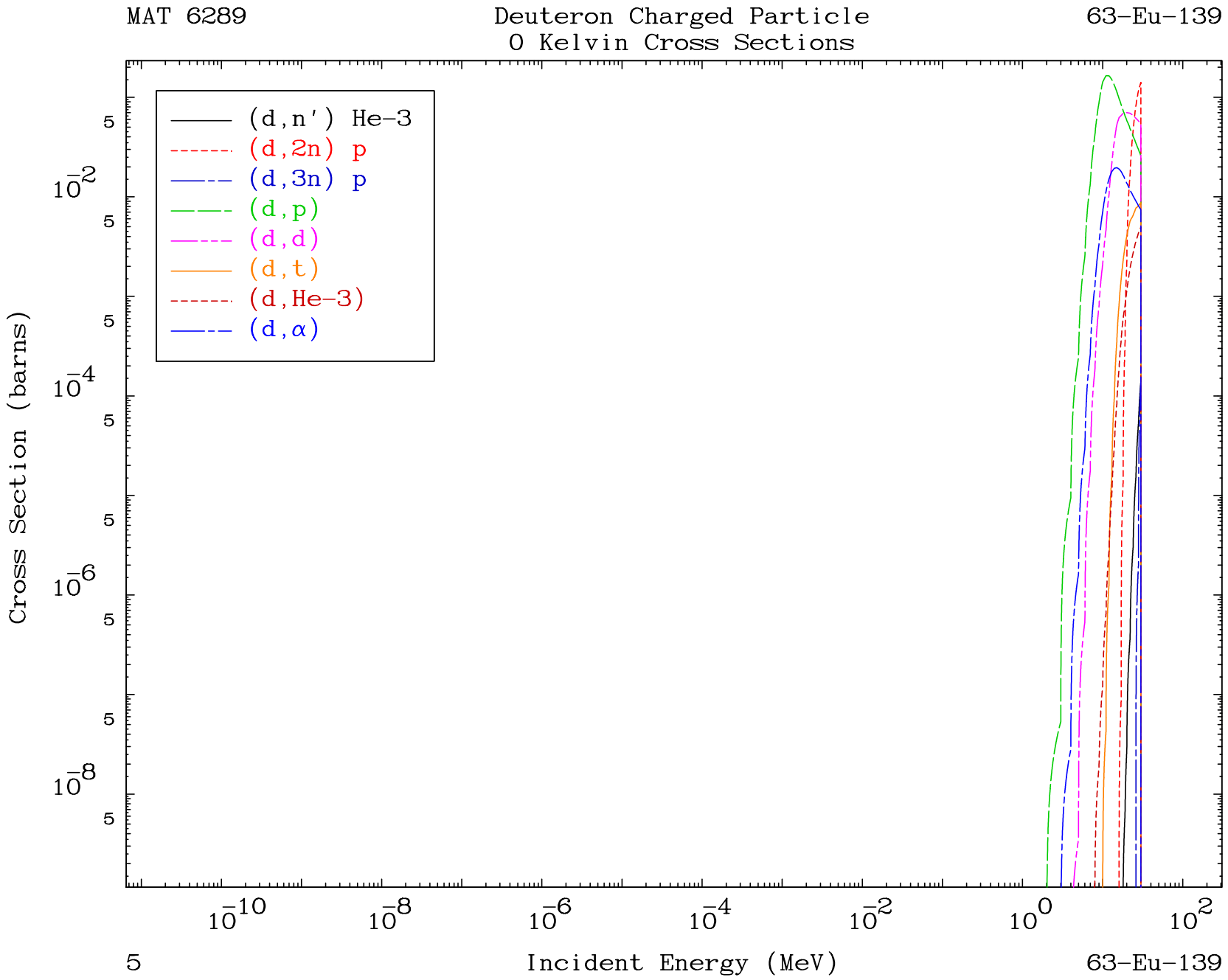
Press Mouse Button to Start

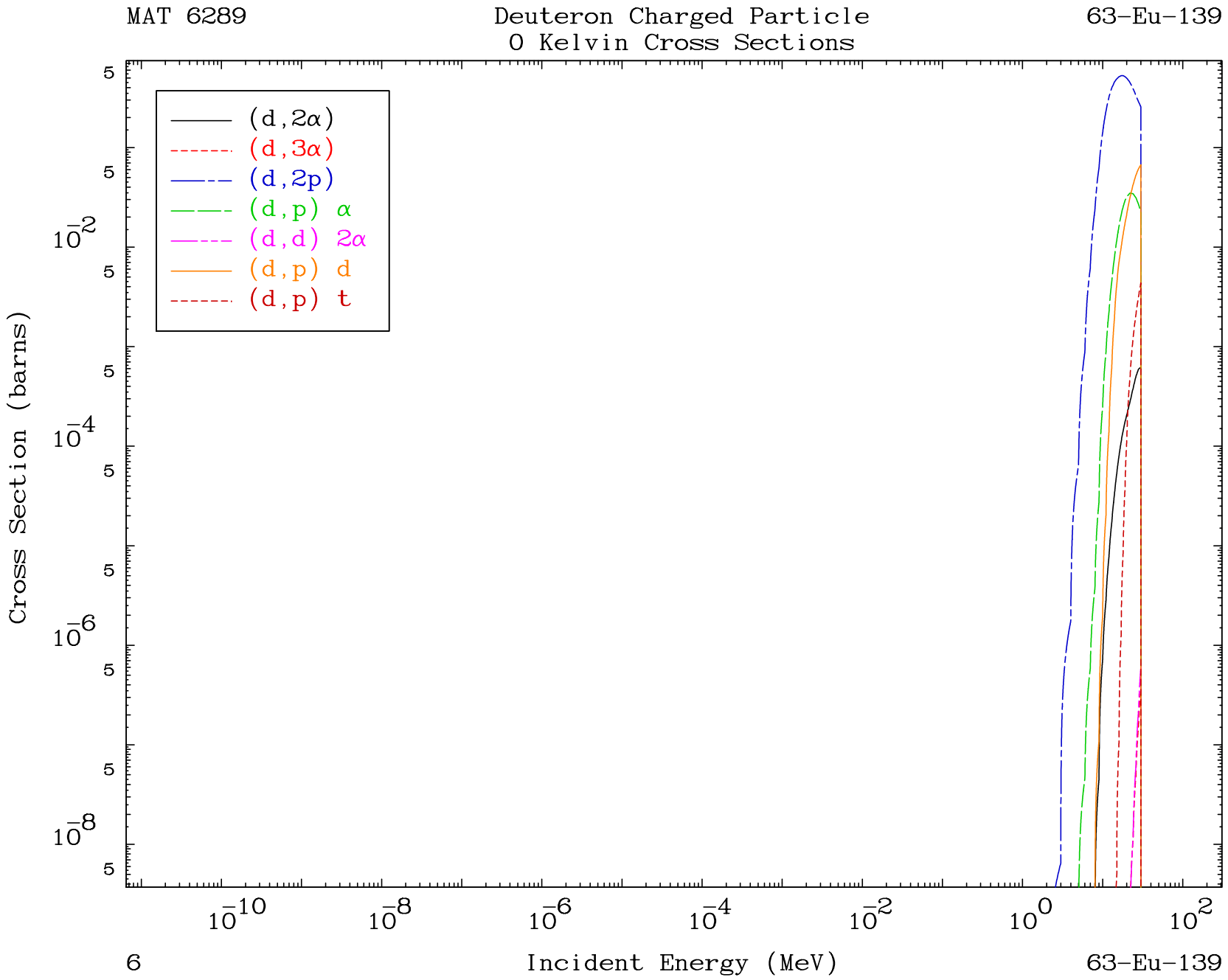

MAT 6289
Deuteron Major
63-Eu-139
0 Kelvin Cross Sections
Deuteron Inelastic
(d,remainder)
(d,γ)
Cross Section (barns)
Incident Energy (MeV)
1
63-Eu-139

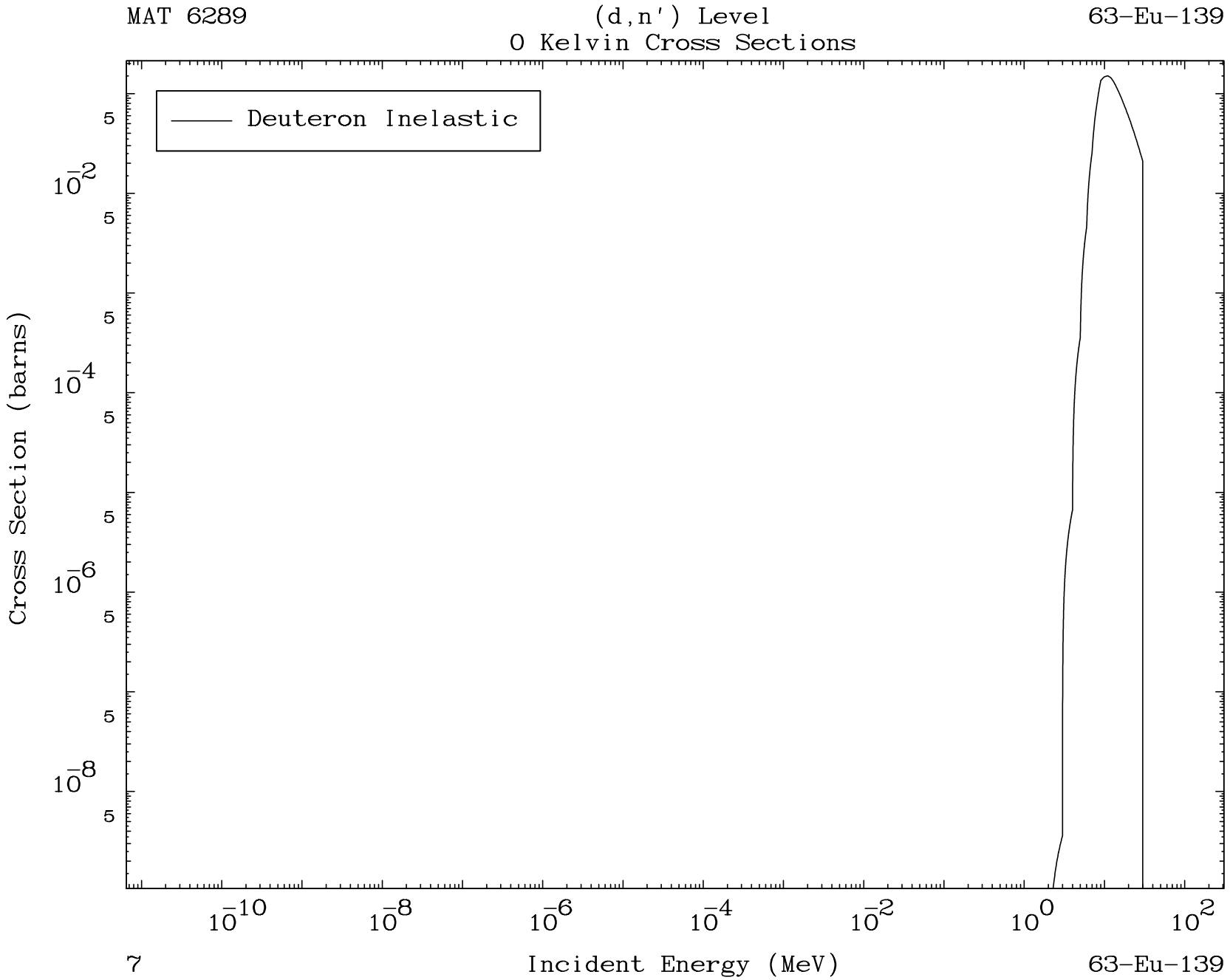

MAT 6289
Deuteron Neutron Production
0 Kelvin Cross Sections
63-Eu-139
(d,2n)
(d,3n)
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
Cross Section (barns)
Incident Energy (MeV)
2
63-Eu-139

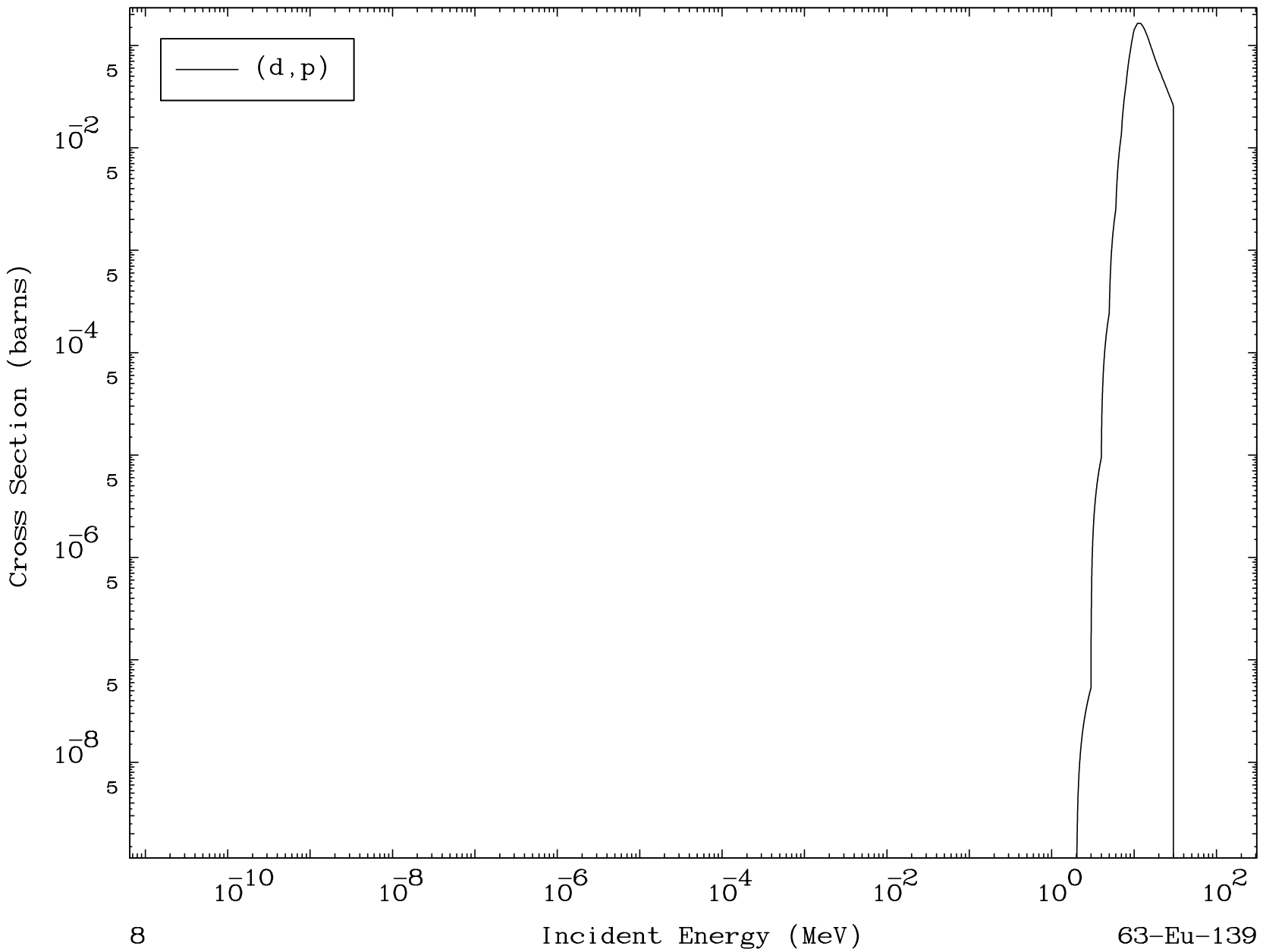

MAT 6289
Deuteron Neutron Production
0 Kelvin Cross Sections
63-Eu-139
(d,2n) 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,2n) p
(d,3n) p
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^1
10^2
Incident Energy (MeV)
3
63-Eu-139

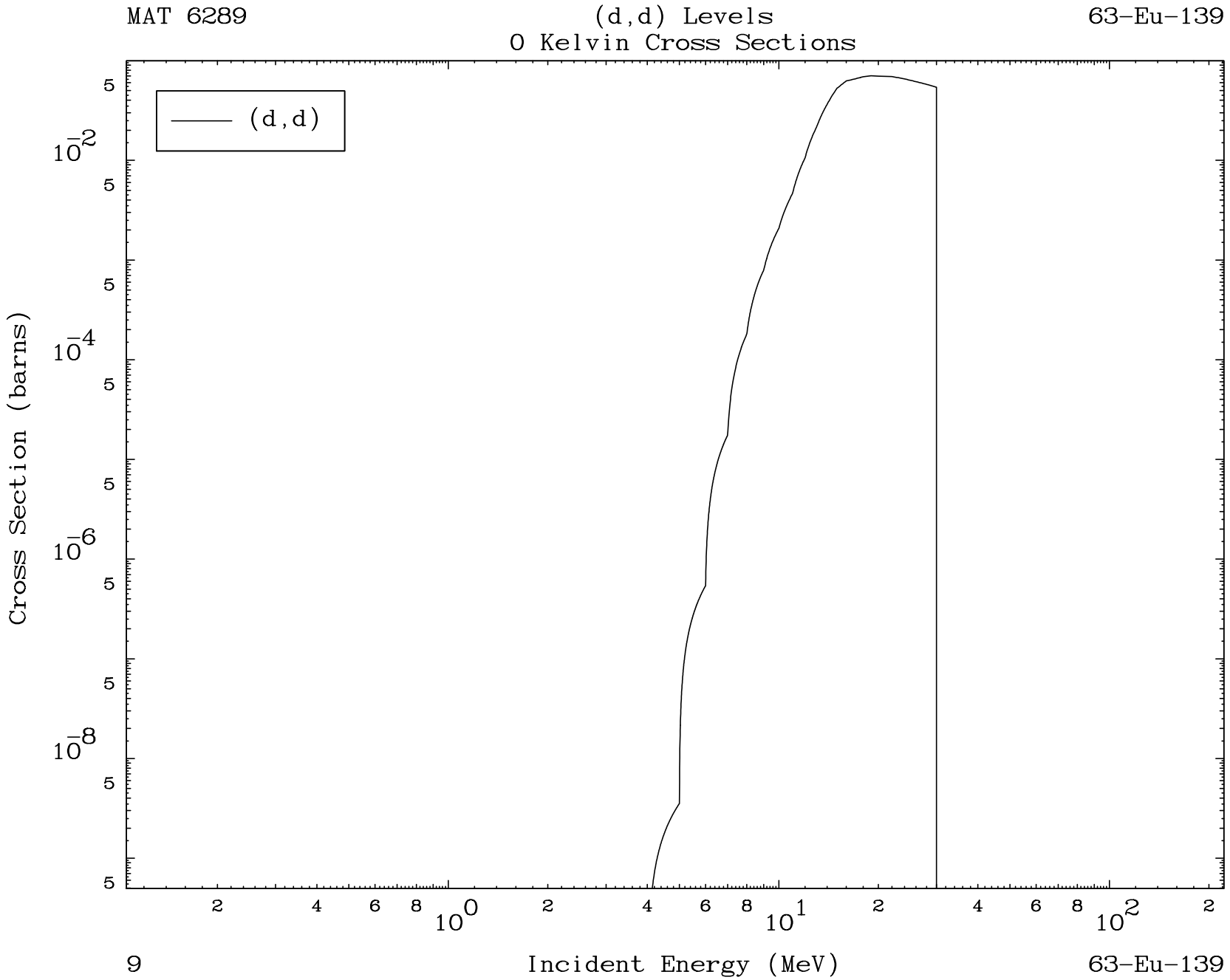

MAT 6289
Deuteron Charged Particle
0 Kelvin Cross Sections
63-Eu-139
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
(d,2n) 2α
(d,n') d
(d,n') t
Cross Section (barns)
Incident Energy (MeV)
4
63-Eu-139

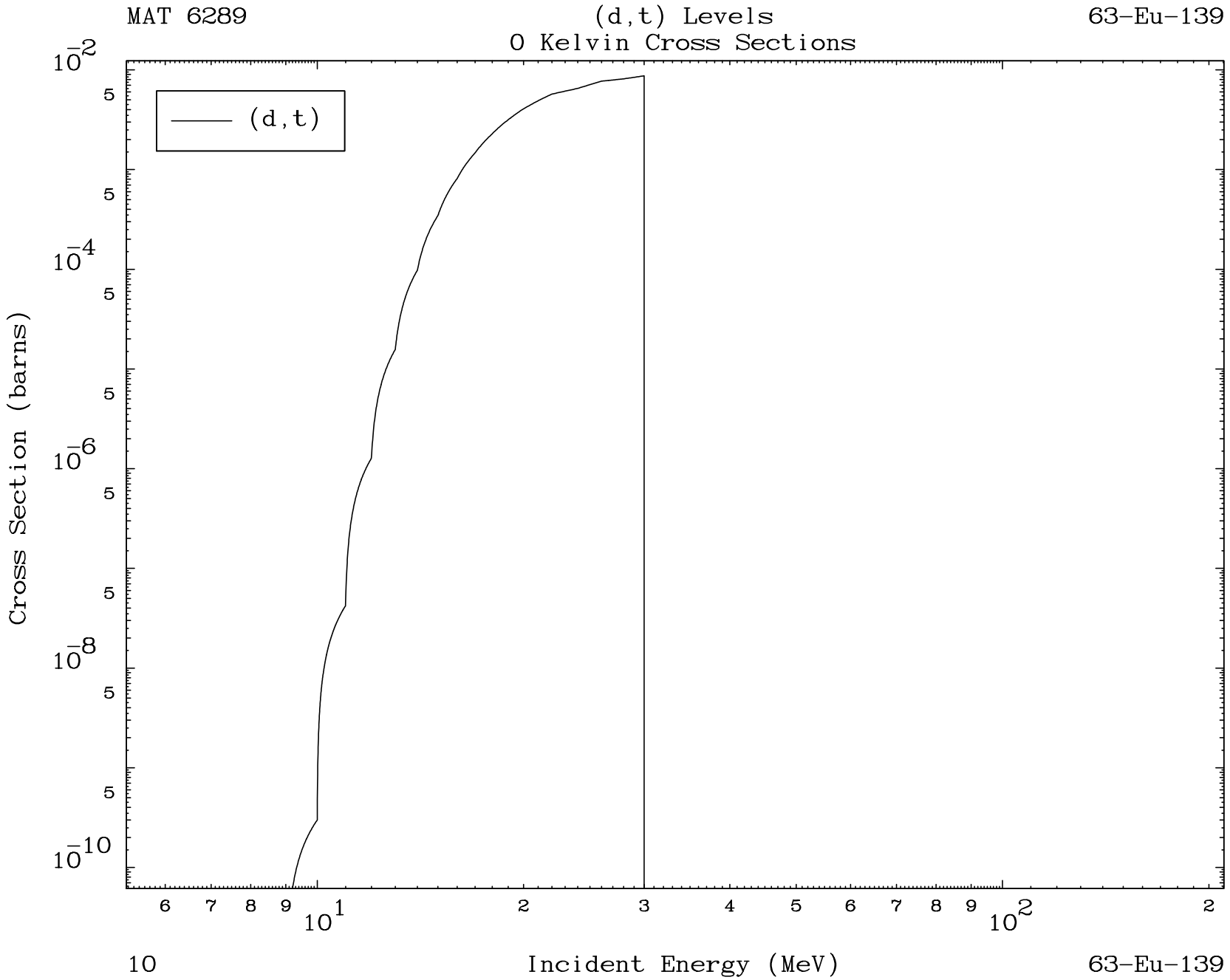

MAT 6289
Deuteron Charged Particle
0 Kelvin Cross Sections
63-Eu-139
(d,n') He-3
(d,2n) p
(d,3n) p
(d,p)
(d,d)
(d,t)
(d,He-3)
(d,α)
Cross Section (barns)
Incident Energy (MeV)
63-Eu-139

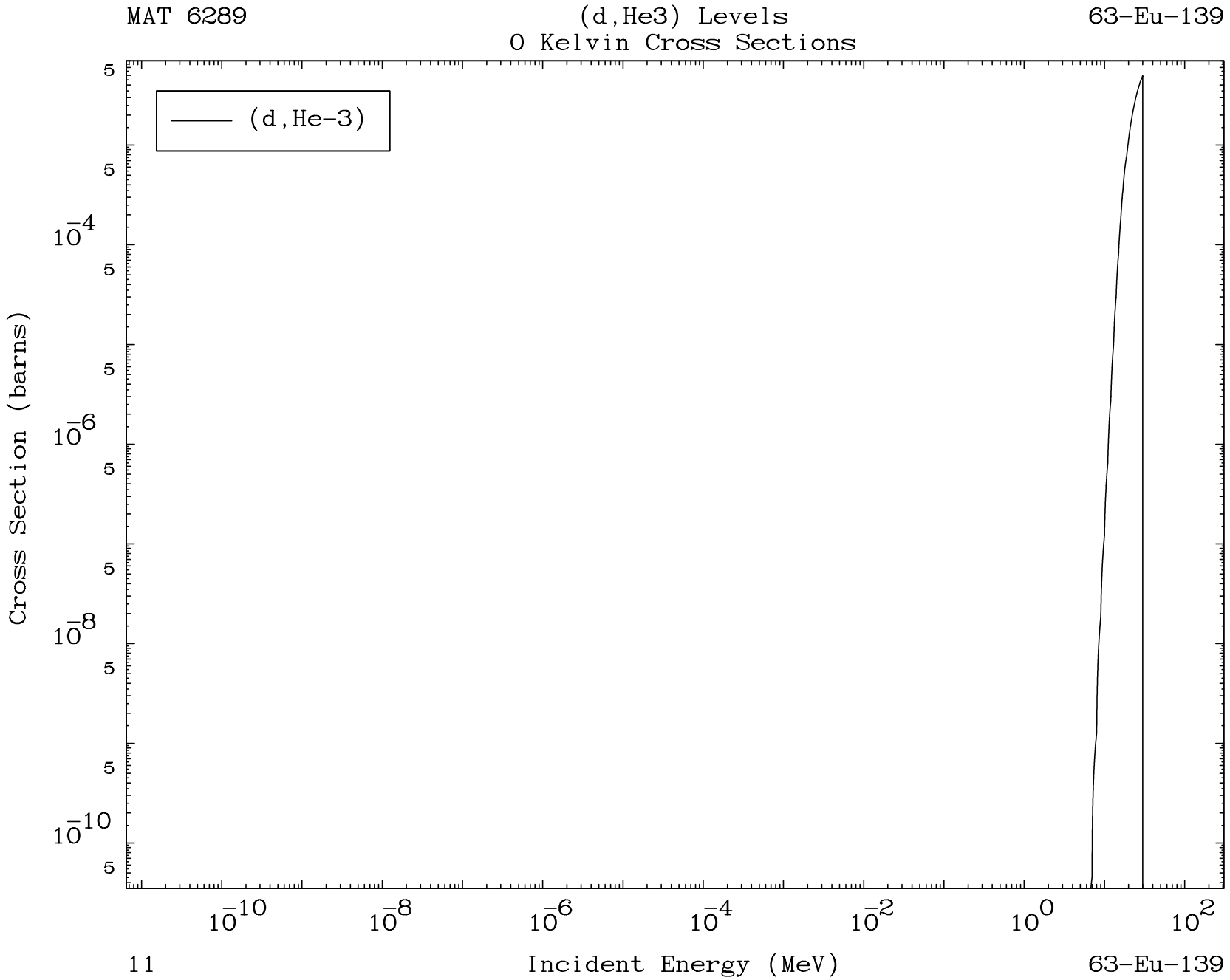

MAT 6289
Deuteron Charged Particle
0 Kelvin Cross Sections
63-Eu-139
(d,2α)
(d,3α)
(d,2p)
(d,p) α
(d,d) 2α
(d,p) d
(d,p) t
Cross Section (barns)
Incident Energy (MeV)
6
63-Eu-139

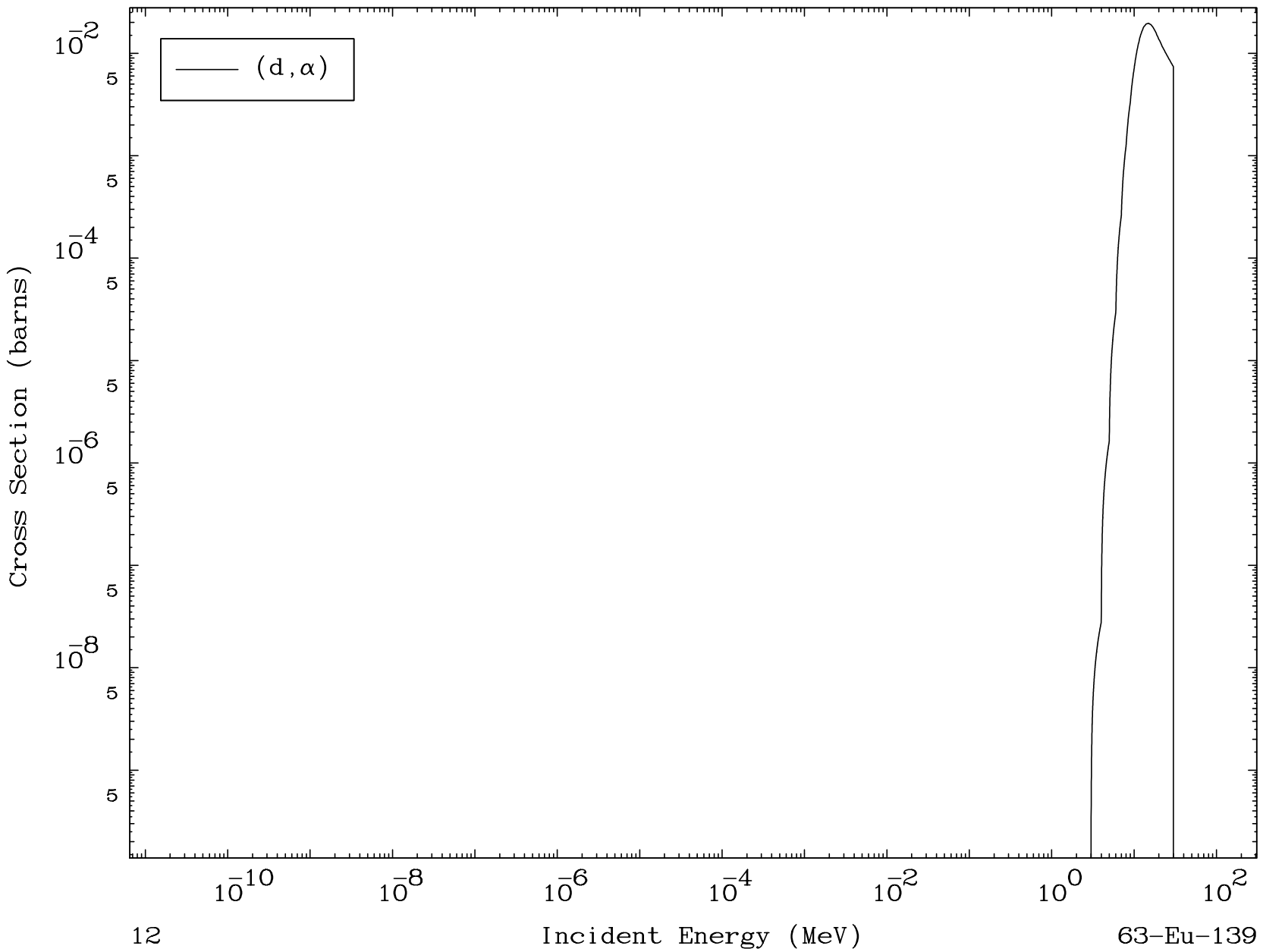

MAT 6289
(d,n') Level
63-Eu-139
0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
10-8
10-6
10-4
10-2
100
102
Incident Energy (MeV)
7
63-Eu-139

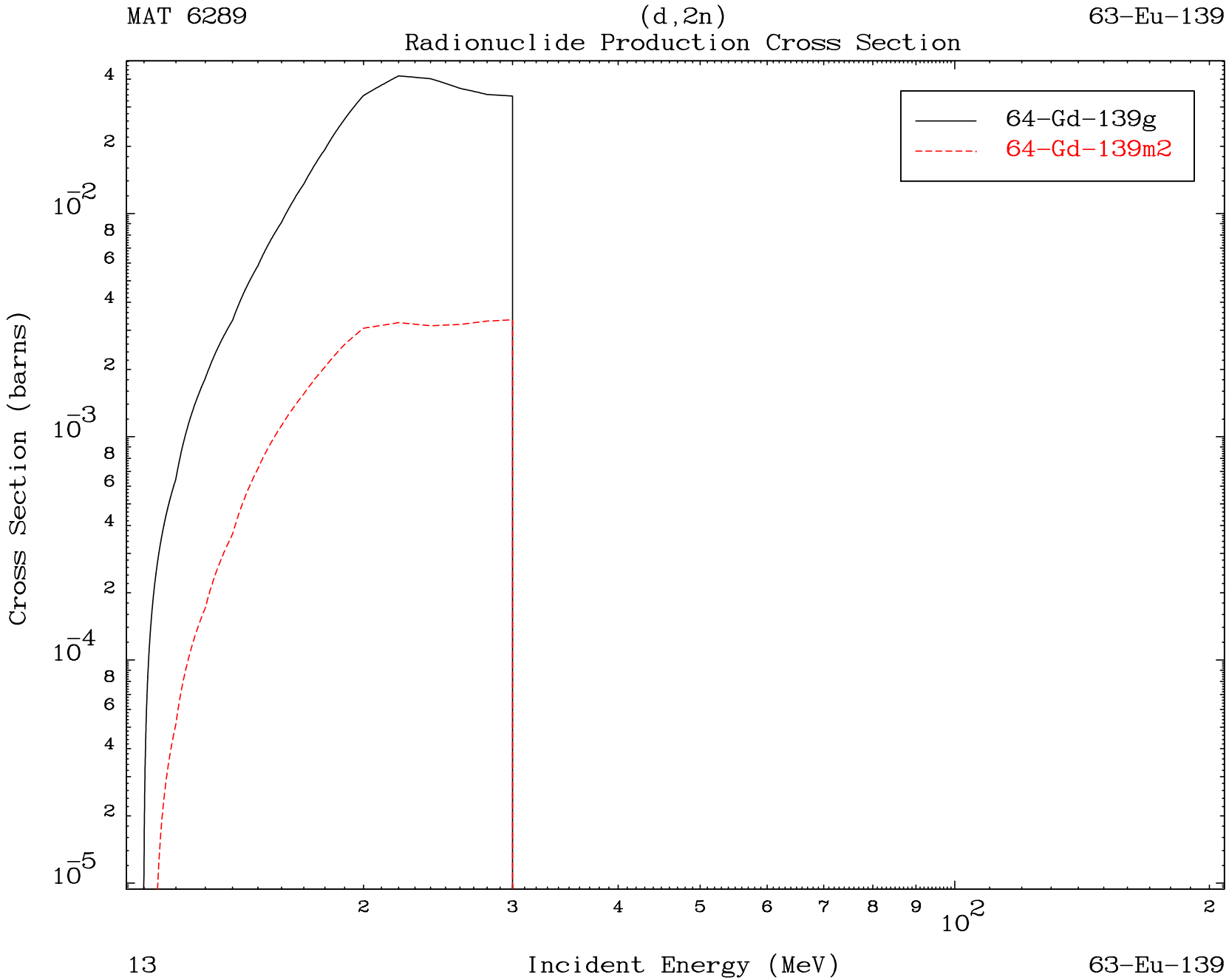

0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)

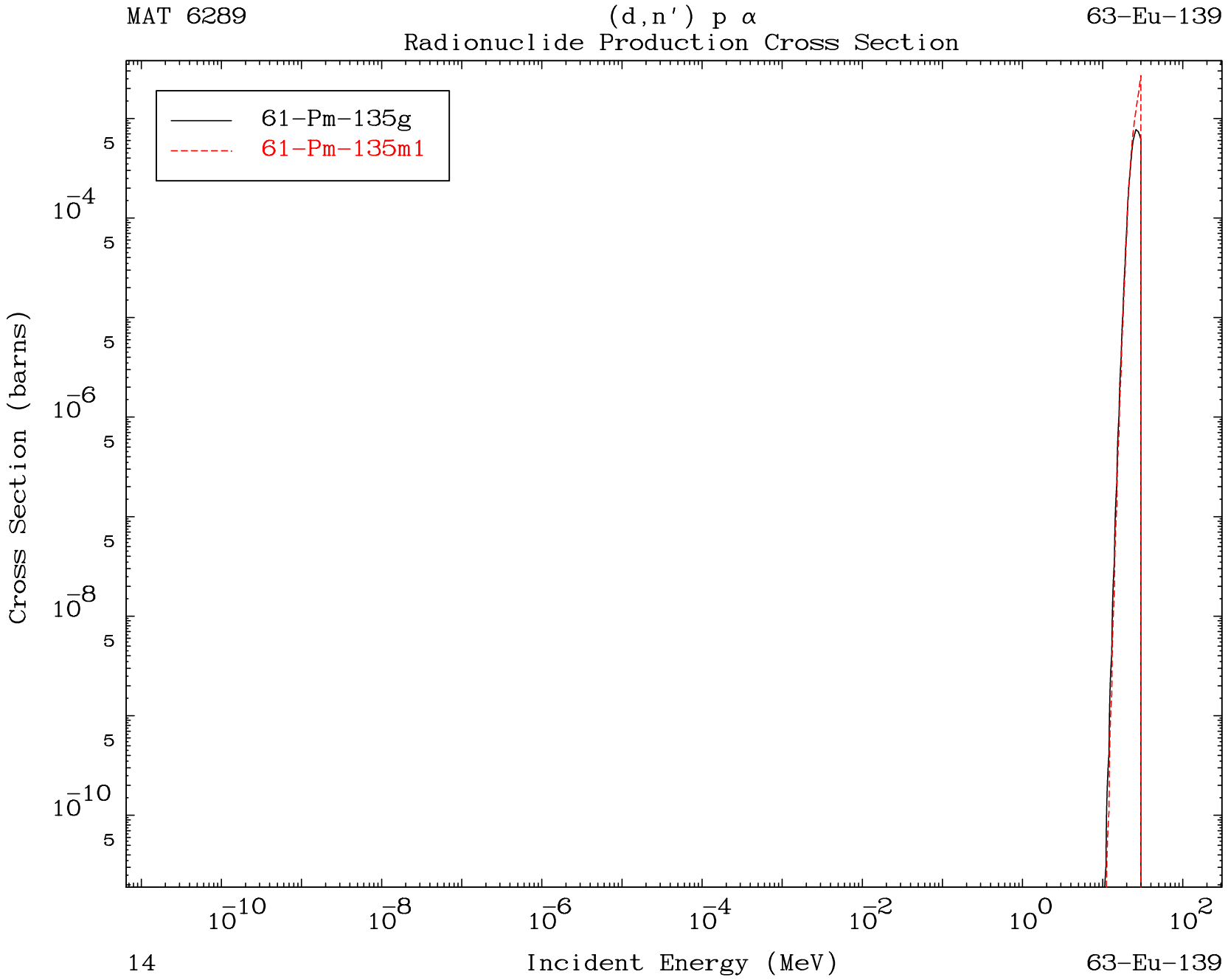

MAT 6289
(d,d) Levels
63-Eu-139
0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
Incident Energy (MeV)
9
63-Eu-139

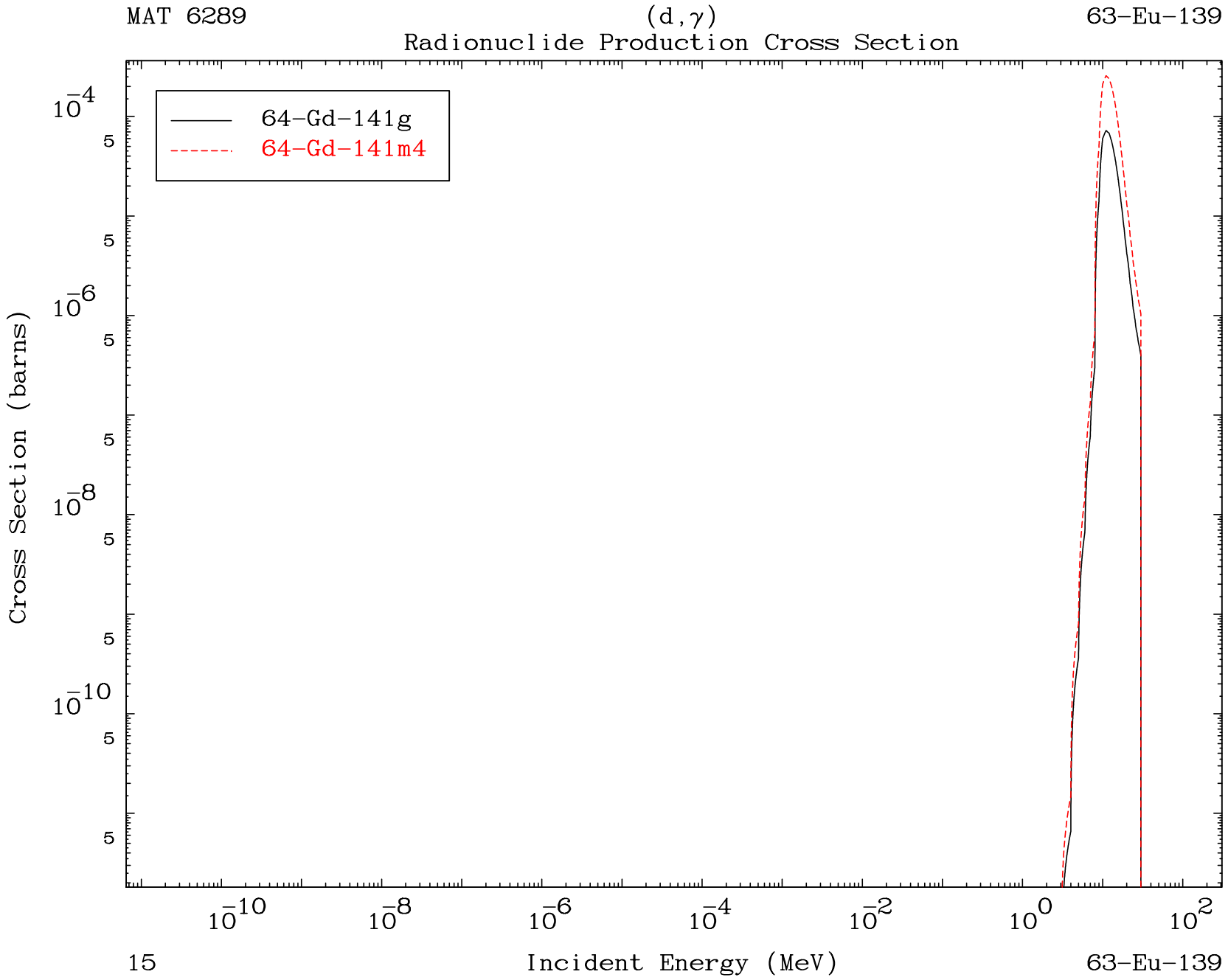

MAT 6289
(d,t) Levels
63-Eu-139
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
Incident Energy (MeV)
10
63-Eu-139

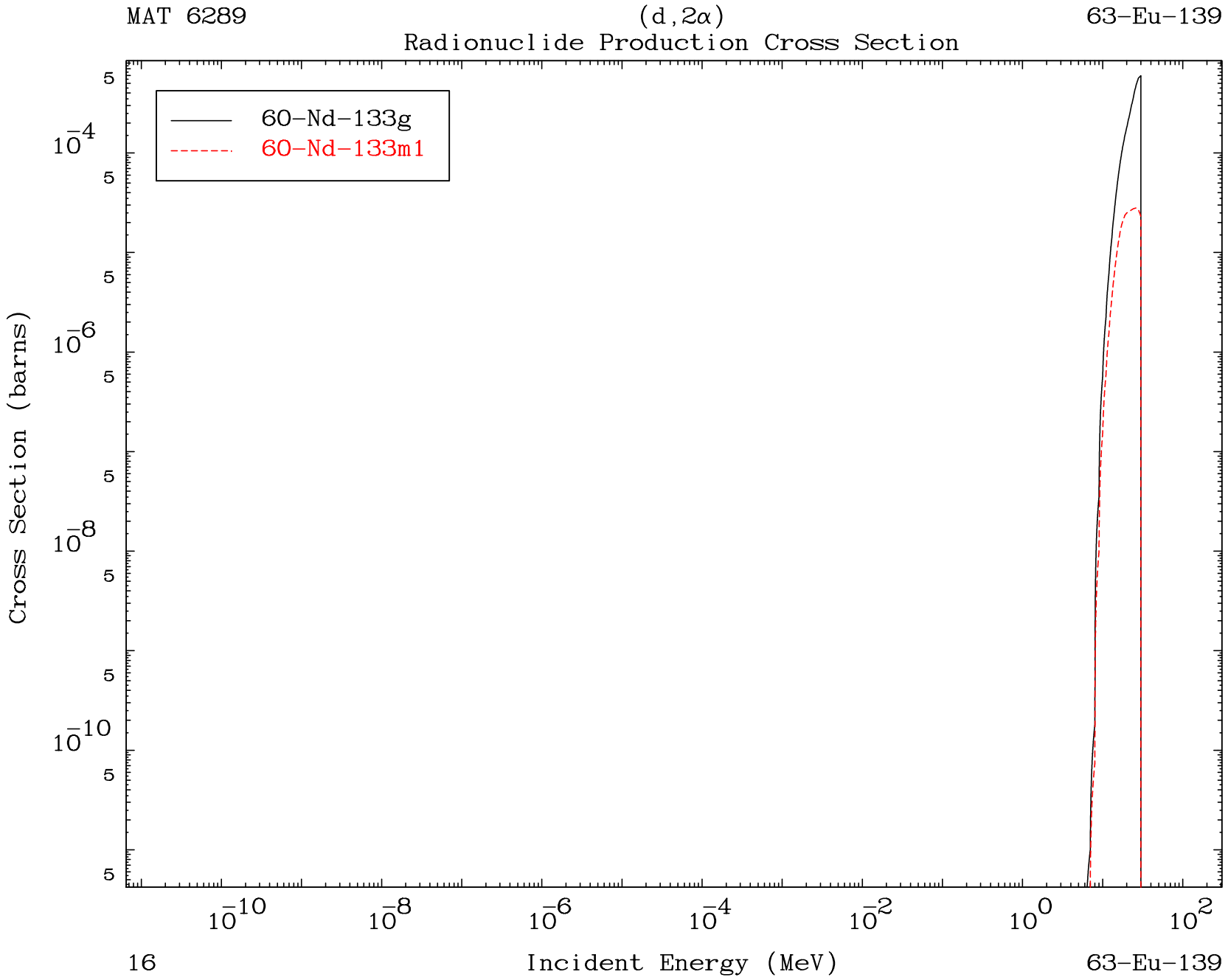

MAT 6289
(d,He3) Levels
63-Eu-139
0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
Incident Energy (MeV)
11
63-Eu-139

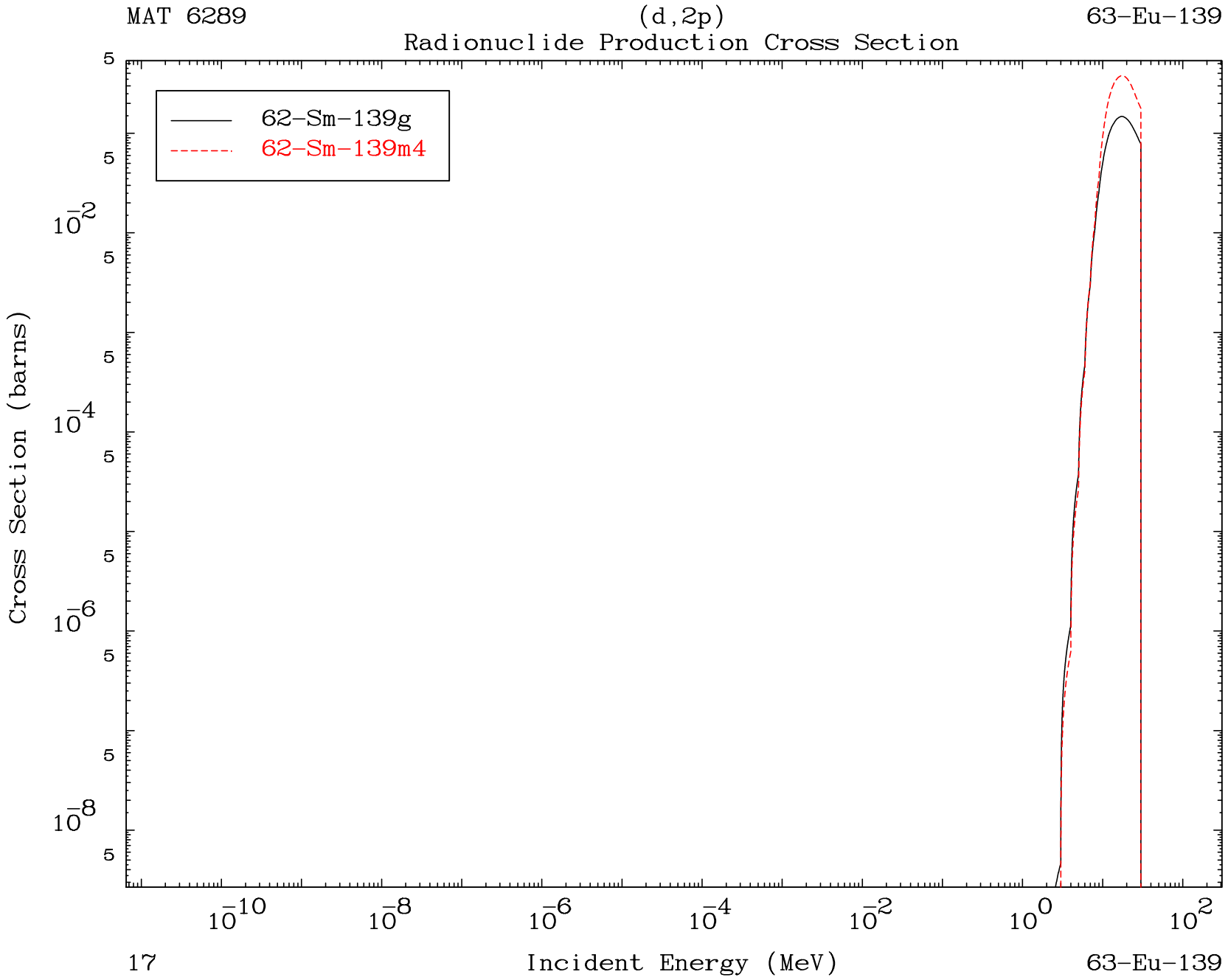

0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
10^-2
5
10^-4
5
10^-6
5
10^-8
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)

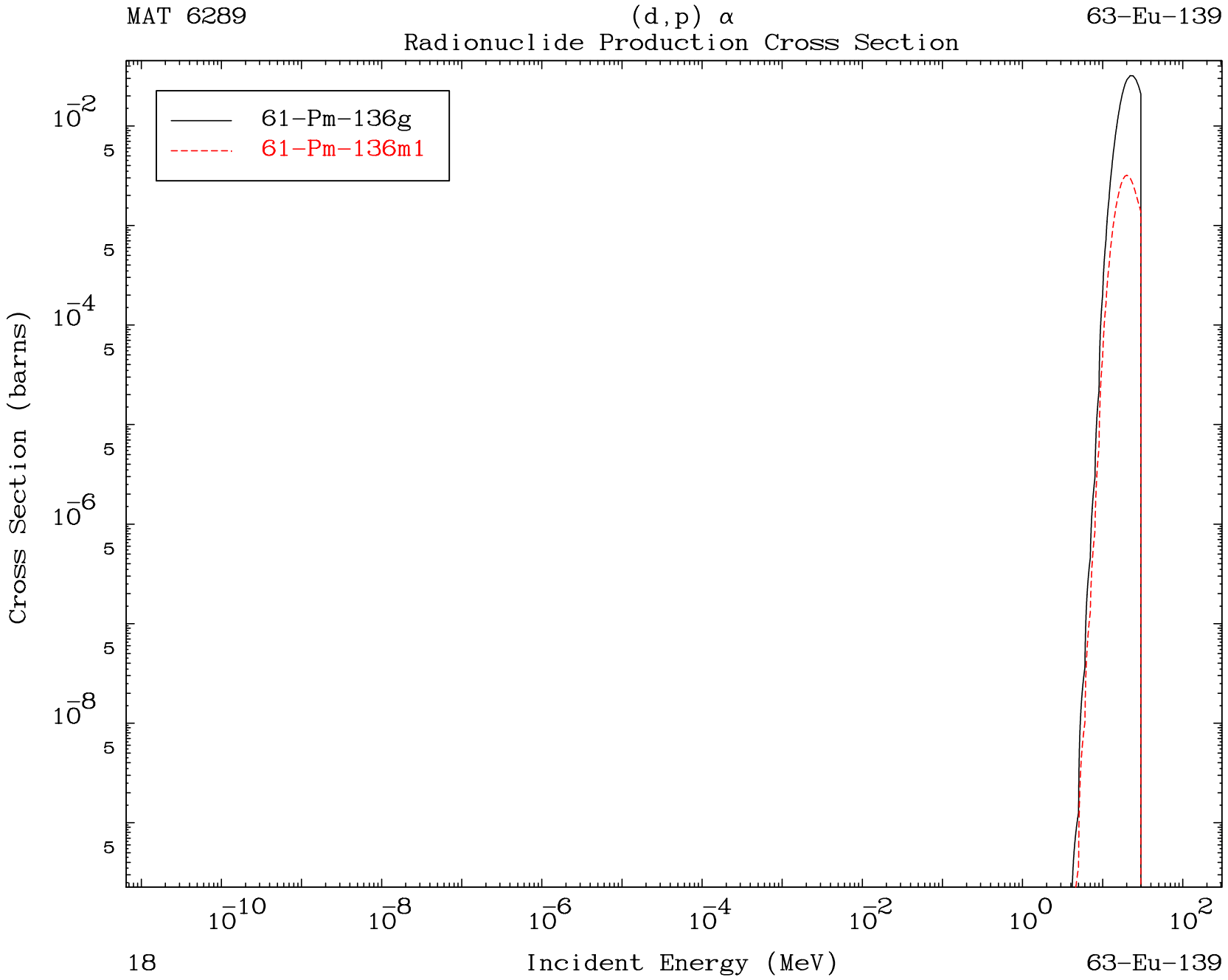

MAT 6289
(d,2n)
63-Eu-139
Radionuclide Production Cross Section
64-Gd-139g
64-Gd-139m2
Cross Section (barns)
Incident Energy (MeV)
13
63-Eu-139

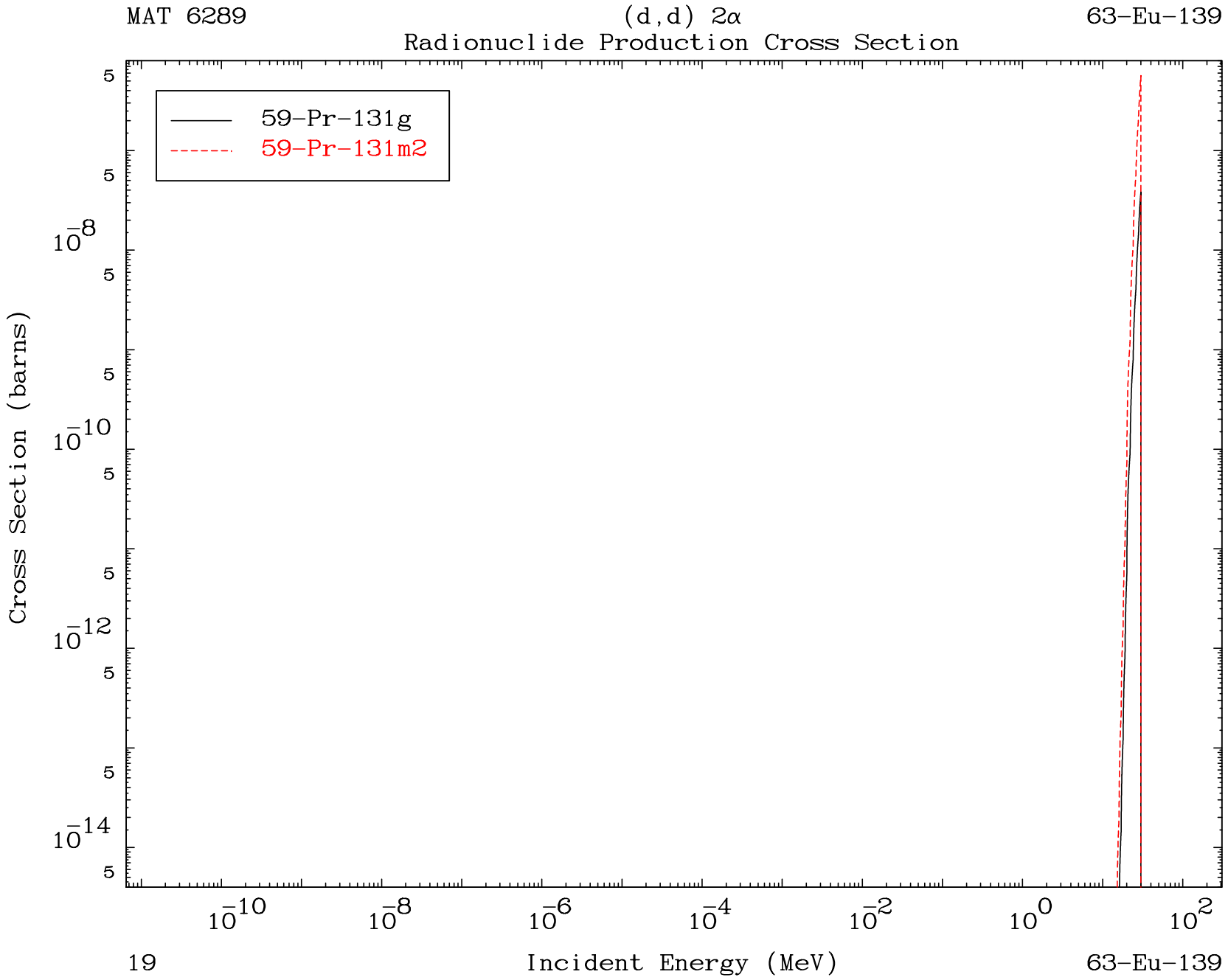

MAT 6289
(d,n') p α
63-Eu-139
Radionuclide Production Cross Section
61-Pm-135g
61-Pm-135m1
Cross Section (barns)
Incident Energy (MeV)
14
63-Eu-139

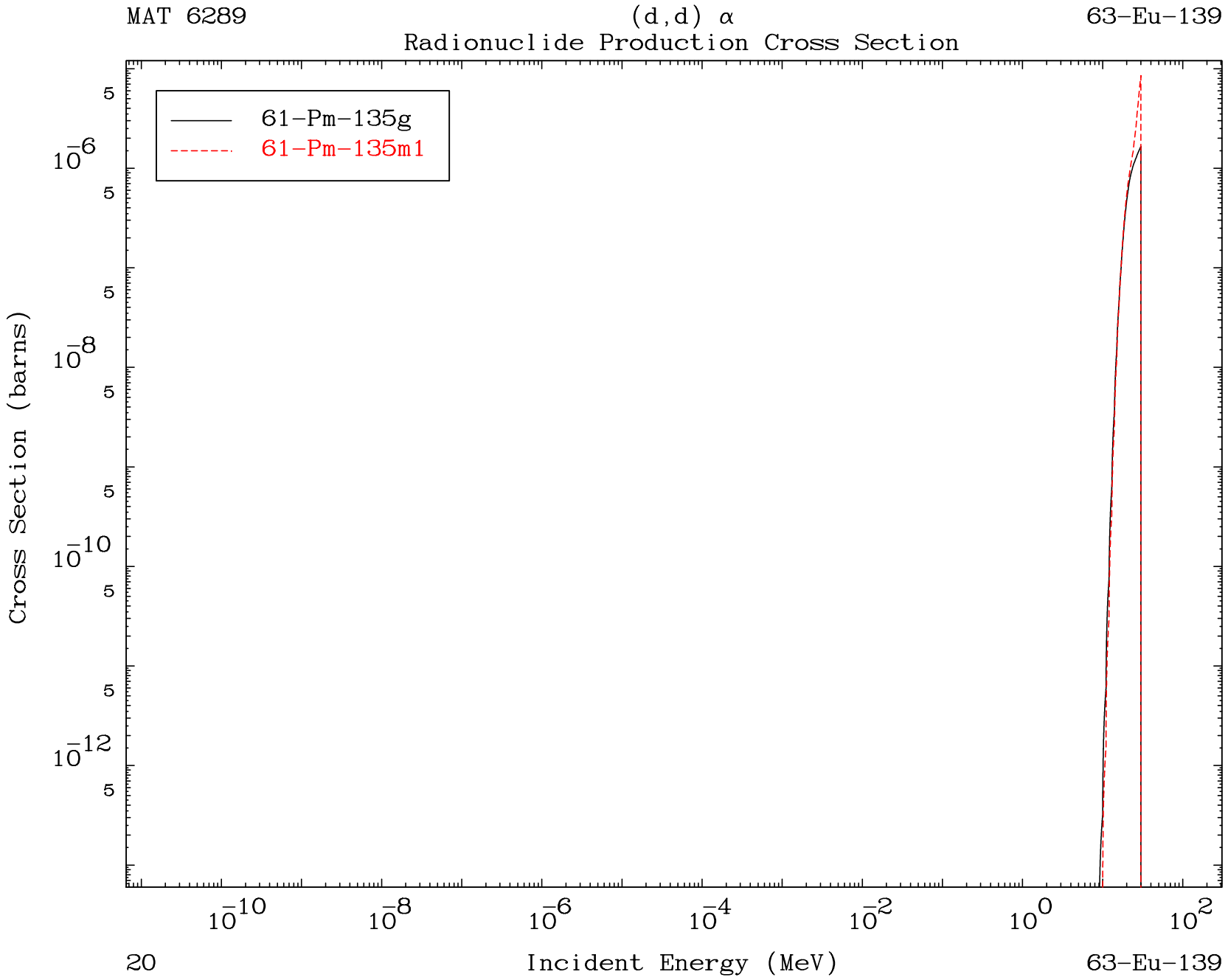

MAT 6289
(d,γ)
63-Eu-139
Radionuclide Production Cross Section
64-Gd-141g
64-Gd-141m4
Cross Section (barns)
Incident Energy (MeV)
15
63-Eu-139


MAT 6289
(d,2α)
63-Eu-139
Radionuclide Production Cross Section
60-Nd-133g
60-Nd-133m1
Cross Section (barns)
Incident Energy (MeV)
16
63-Eu-139


MAT 6289
(d,2p)
63-Eu-139
Radionuclide Production Cross Section
62-Sm-139g
62-Sm-139m4
Cross Section (barns)
Incident Energy (MeV)
17
63-Eu-139


MAT 6289
(d,p) α
63-Eu-139
Radionuclide Production Cross Section
61-Pm-136g
61-Pm-136m1
Cross Section (barns)
Incident Energy (MeV)
18
63-Eu-139


MAT 6289
(d,d) 2α
63-Eu-139
Radionuclide Production Cross Section
59-Pr-131g
59-Pr-131m2
Cross Section (barns)
Incident Energy (MeV)
19
63-Eu-139


MAT 6289
(d,d) α
63-Eu-139
Radionuclide Production Cross Section
61-Pm-135g
61-Pm-135m1
Cross Section (barns)
Incident Energy (MeV)
20
63-Eu-139