

Workshop on B decay into D^{} and related issues**

Monday, November 26, 2012 - Wednesday, November 28, 2012

Jussieu

Scientific Program

Role of the broad D^{**} resonances in

- semi-leptonic $B \rightarrow [D^{**}, D^*\pi, D\pi\pi] l \nu$
- hadronic $B \rightarrow [D^{**}, D^*\pi, D\pi] \pi$

The form factors for $B \rightarrow D^{**}$

- Theoretical model computation (sum-rule, lattice etc)
 - Experimental situation
 - Comparison (contributions from radial excitation, correction from infinite-mass-limit)
- How to improve the theoretical computation of $B \rightarrow D^{**}$ form factor by lattice
- Issues in the spectrum computations (cut-off effects from charm quark, multi-hadron states with slow pion)
 - $B \rightarrow D^{**}$ form factor at static limit of HQET
 - Lattice computation of $B \rightarrow D^{*2}$ and D^{*0} (new parameterization)