

- 1) F(1) $B \rightarrow D^{(*)}$ form factors (more input expected): difficulty for the lattice computation to achieve a high enough precision. Uraltsev BPS limit vs lattice? The small deviation between exclusive and inclusive determination of V_{cb} ?**
- 2) $B \rightarrow D^{**}$: Many uncertainties both in theory and experiment are discussed but it turned out that it is difficult to quantify. Nevertheless, it would be important to write them down as much as we can say. Those uncertainties include: theoretical (infinite mass limit, ...), experimental (role of background model, resonance, model, etc).**
- 3) Proposition to use the hadronic decay in order to understand the $\frac{1}{2}$ vs $\frac{3}{2}$ problem in the semi-leptonic decay. The problem is less significant in Class I (and Class III?).**
- 4) We should summarize the experimental status of semi-leptonic and hadronic decays including D^{**} . For example the consistencies in Belle vs Babar as well as theory vs experiment should be discussed for each channels. And future possibility to clarify these issues in the future.**
- 5) Existence and relevance of the radial excitation state in semi-leptonic as well as hadronic decays. Have we seen some hint (which mass and what significance)? What is the issue to identify this state?**
- 6) Lattice computation of the fD'/fD and $(mD' - mD)/mD$**
- 7) The experimental problem of semi-inclusive semi-leptonic decay vs exclusive one? What did we miss?**
- 8) Treatment of the non resonant states: modelling uncertainty.**
 - 8-1) For SL: Is there any other model than Goity-Roberts?**
 - 8-2) For NL: One can hope to measure the $D\pi$ phase in the Dalitz plot. Is there anything other than the 0^+ state?**
- 9) Lattice : interesting proposition of the spectroscopy computation by Sasa. Question of chiral extrapolation, threshold effect, broad resonance**
- 10) Spectroscopy**
- 11) Question of “excess events”**
- 12) Theoretical request to LHCb**

13) $\frac{1}{2}$ puzzle by Alain

14) Proposition to test the $\frac{1}{2}$ vs $\frac{3}{2}$ problem in another channels: $Bs \rightarrow Ds^{?} Bs^{**?}$**