



# Summary of LAL/THU project

Yuanning Gao

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# Members

## LAL

Patrick ROBBE

Marie-Helene SCHUNE

Sergey BARSUK

Jibo HE ( Sep,2008- ) ←

Wenbin QIAN ↔

↔ ?

## Tsinghua Univ.

Yuanning GAO

Zhenwei YANG

Jibo HE ( - Sep,2008)

Wenbin QIAN

Bo LIU (Sep,2008-)

- Supported/backed up by theorists from China & France

# Exchanges

- **Collaboration established even before FCPPL**

- 2005.12 Y.Gao visited LAL
- 2006.03 P.Robbe visited THU
- 2007.05 J.He visited LAL
- 2007.07 W.Qian became a joint student
- 2007.10 Y.Gao visited LAL
- 2008.09 J.He became a postdoc at LAL
- 2008.10 Y.Gao visited LAL
- 2009.05 M-H Schune & P. Robbe visit THU
- + regular phone/video
- + discussions in LHCb weeks ...

# Topics & Output

- Focus on the (very) first physics at LHCb...
  - $B_c$  studies → J. He's talk
  - $J/\psi$  production → W. Qian's talk
- Output
  - BcVegPy is the standard generator in LHCb
  - 2 LHCb notes on  $B_c$  studies
  - W. Qian is nominated to present the result at  
Berkeley Workshop on Physics Opportunities  
with the First LHC Data, 2009.05

# Summary

- The project is healthy and productive.
- The first goal will be to measure the  $J/\psi$  and  $bb$  production cross-sections in the LHCb acceptance. This is the PhD thesis subject of QIAN Wenbin, our joint student.
- Then the first measurement related to  $B_c$  will be realized.
- FCPPL supports highly acknowledged!