

# Goals of the workshop

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# Goals of the workshop (I)

- **to assess the status SuperB computing activities finalized to the preparation of the TDR**
  - **the core of the Workshop:**
    - **3 parallel sessions dedicated to the Fast Simulation tool**
    - **3 parallel sessions dedicated to the Full simulation tool (for background and detector studies)the SuperB project is moving on**

# Goals of the workshop (II)

- **to outline plans for the coming months**
  - **keeping in mind that the SuperB project is moving on**
    - **see Guy's and Marica's talk today**
      - **note the talks order change to accomodate Guy's schedule**
    - **this week the set-up of an official INFN project aimed at the development of a SuperB TDR will be discussed by the INFN board of Directors**
    - **if the project is approved, as we hope, the game is getting serious**

# A special effort...

- **... is especially needed for speeding-up the development of the full simulation**
  - for various reasons we have not made much progress in the last few months
- **now it's time to decide how to strengthen our group and consolidate our efforts in this area**

# Goals of the workshop (III)

- **to hear about the latest developments of the simulations tools and learn how to use them**
  - **yesterday: FastSim tutorial**
  - **today: general introduction at this plenary session**

# Goals of the workshop (IV)

- **to collect feedback from the physics and detectors groups regarding the status of integration of their specific parts in the simulation tools, the outcome of the first real usage tests, the functionalities needed for the TDR**
  - **we have tried to preserve discussion time to let people interact with the developer teams**

# Goals of the workshop (V)

- **to discuss more generally the integration of the simulation tools and the development and production environment we need to setup in 2009 ...**
  - joint simulation session tomorrow morning
    - we aim at delivering not just applications but a complete environment for our users
    - availability of non-critical BaBar code to all SuperB users is becoming more and more important

# The need for closer coordination

- **David B. has accepted to help with the coordination of the ongoing development efforts**
  - to make sure that we end up in producing a coherent and consistent simulation tool set and a productive environment for detector and physics studies
- **we have now a Simulation Coordinator**
  - thanks David and best wishes !



# Goals of the workshop (VI)

- **...and the computing R&D program to be carried out for the computing TDR**
  - special session today at 5 pm dedicated to longer term planning for SuperB computing
  - reports from the SuperB Computing planning group
  - time for discussion

# Goals of the workshop (VII)

- **to stimulate further progress on the definition of those general aspects of the online and trigger system that have a strong interrelation with the detector electronics design**
  - **two special parallel sessions added with the encouragement of the Steering Board, tomorrow morning**
  - **good opportunity for newcomers**

# Today

Tuesday, 16 December 2008	
08:00	<b>Registration</b> (Room T-75, Ground Floor: 08:30 - 09:00)
09:00	<b>Plenary session (aula Touschek)</b> (Auditorium B. Touschek: 09:00 - 10:40)
10:00	<b>coffee break</b> (In front of Touschek Auditorium: 10:40 - 11:10)
11:00	<b>Background Full Simulation: Background Full Simulation</b> Conveners: Eugenio Paoloni (PI) (Aula Seminari A-34, first floor: 11:10 - 13:00)
12:00	<b>Fast simulation - shower modeling (aula Touschek)</b> (Auditorium B. Touschek: 11:10 - 13:00)
13:00	<b>lunch</b> (ENEA canteen: 13:00 - 14:30)
14:00	<b>Fast simulation - Physics and particle Id (aula Touschek)</b> (Auditorium B. Touschek: 14:30 - 16:30)
15:00	<b>SuperB Detector Full Simulation with G4</b> Conveners: Prof. Fabrizio Bianchi (INFN Torino) (Seminar Room A-34, first floor: 14:30 - 16:30)
16:00	<b>coffee break</b> (Auditorium B. Touschek: 16:30 - 17:00)
17:00	<b>The future of SuperB computing (aula Touschek)</b> (Auditorium B. Touschek: 17:00 - 19:00)
18:00	
19:00	
20:00	<b>social dinner</b> (In a restaurant in Frascati: 20:00 - 23:00)
21:00	
22:00	

# Tomorrow

## Wednesday, 17 December 2008

09:00	<b>Joint session: fast and full simulation</b> (Auditorium B. Touschek: 09:00 - 10:30)	<b>SuperB DAQ/Electronics</b> Conveners: Dr. Umberto Marconi (INFN) (Aula seminari: 09:00 - 10:30)	
10:00	<b>coffee break</b> (Auditorium B. Touschek: 10:30 - 11:00)		
11:00	<b>Fast simulation - Validation and optimization studies</b> (Aula: 11:00 - 13:00)	<b>SuperB DAQ/Electronics (II)</b> Conveners: Dr. Umberto Marconi (INFN) (Aula seminari: 11:00 - 13:00)	<b>SuperB Detector Full Simulation: Planning</b> Conveners: Prof. Fabrizio Bianchi (INFN Torino) (A1: 11:00 - 13:00)
12:00			
13:00	<b>Lunch (ENEA canteen)</b> (Auditorium B. Touschek: 13:00 - 14:00)		
14:00	<b>Plenary session - Summaries</b> (Aula seminari: 14:00 - 15:35)		
15:00			
16:00	<b>Geometry Task Force Startup meeting</b> Conveners: Matteo Rama (LNF); Prof. Achille Stocchi (LAL - Univeriste Paris Sud and IN2p3/CNRS) (Aula seminari: 16:00 - 17:00)		
17:00			

# The upcoming milestones

- **SuperB workshop, Feb. 15-18, LAL, Orsay**
  - how are we going to contribute ?
    - if all goes well, this may be a crucial meeting for getting organized towards a TDR development phase
- **SuperB Physics workshop, April 14-16, Warwick**
  - preparatory work will need simulation tools...
  - it's important that people know soon what will be available and when

**So, it's going to be...**

**...a lot of fun these two days**

**Have a nice workshop !**