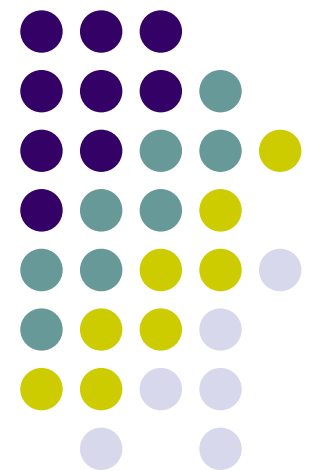


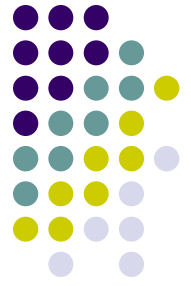
Plans of fast simulation

M. Rama
LNF

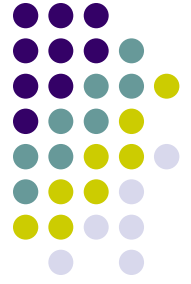
SuperB workshop
La Biodola, Isola d'Elba
2 June 2008



Release of first version of code to the users



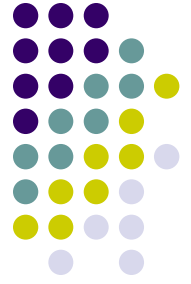
- Aim to release a version 1.0 of the code around the end of June.
 - Ambitious but feasible goal. The ‘ingredients’ are in good shape, need to finalize some of them and put all together.
- Code accessibility outside Babar: already some discussions the past days, but a plan needs to be defined before the end of the meeting.



Documenting the new tool

- The new Fast Simu. needs a User Guide.
- We can use the wiki server already set up:
 - http://mailman.fe.infn.it/superbwiki/index.php/Main_Page
- A good enough documentation can be probably written in 1 week.

Interplay with physics groups



- No feedback from physics groups arrived yet
- One of the goals of this workshop is to establish an active collaboration with them
- Strategy
 - The conveners of the ‘Valencia physics groups’ of B, Charm and Tau (Spectroscopy to be contacted) were asked to identify a set of benchmark channels which differ for experimental techniques, nature of backgrounds, delicate systematics, etc.
 - For each of these channels the conveners were asked to specify the areas of the simulation where specific requirements should be satisfied

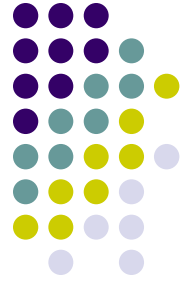


Next steps after release 1.0

Validation of output + additional of features (incomplete list below):

What	Notes
dE/dx (SVT,DCH)	
Decays on flight	
bremsstrahlung	
Machine bkg	Need study with G4
DIRC,EMC,IFR responses refinement	
Addition of SuperB det. elements	In parallel with R&D and G4 simulation
...	

Consider joining the effort.
There is room for contributions in all areas.



Mailing lists and meetings

- Regular bi-weekly meetings of fast simulation are held on Thursday at 8:00 PT (the Thursday with no R&D detector meeting)
- Two mailing lists for discussions
 - superb-computing@lists.infn.it
 - general discussions of the SuperB computing
 - superb-fastsimu@lists.infn.it
 - discussions specific to fast simulation