

## Workshop Goals presented 12 Jan 2014

- Discussion of all FCC aspects
- Refine scope of the study
- Define schedule, WBS, milestones of the study
- Establish the path towards international collaboration: Expressions of Interest, formation of collaboration, accepting new partners throughout the duration of the study
- Open process

## Workshop Goals presented 12 Jan 2014

- Discussion of all FCC aspects include all safety aspects from start
- Refine scope of the study
   done, consensus on studying <u>now</u> all
   options, parameters, physics,...
- Define schedule, WBS, milestones of the study challenges pointed out, several priorities defined



## Workshop Goals presented 12 Jan 2014

- Establish the path towards international collaboration: Expressions of Interest, formation of collaboration, accepting new partners throughout the duration of the study
- Open process
   consensus on the approach to form a
   global collaboration for the study.
   many oral expressions of interest
   received

#### Finally, regarding future U.S. involvement: my views

- There is broad acknowledgement that any future collider will need to be a global enterprise, requiring resources (financial, human) from across the globe
- The U.S. community wants to play a role in any future collider
  - There are several "grass-roots" activities domestically
- We are concentrating now on making HiLumi a success
- ...and appreciate that the next collider will require considerable effort in design, R&D and garnering support
- The U.S. community has invested in the critical technologies that will be needed and sees R&D toward future colliders as a high priority
- A collaborative focus on magnet and SCRF technologies, and the beam dynamics aspects of large hadron and lepton colliders aligns well with US expertise at the national labs and universities



## **Summary**

- It is difficult
- But it is very exciting
- Even if it is not in China, it is still very beneficial to our field and to the Chinese HEP & Science community
- We fully support a global effort

Let's us work for our dream

#### Collaboration

- Worldwide collaboration in all areas physics, experiments and accelerators – is essential to bring this study to fruition (and to arrive at a CDR by 2018)
  - > need to move fast towards expressions
  - → need to rSessions this afternoon important of the sessions of the session of the sessions of the session of the session

# "Beyond"

- Need to present (additional) benefits to society from the very beginning of the study (examples: sc technologies)
- Need to have excellent communication and outreach accompanying the study
- → Vital for acceptance / approval of large scale science projects, see talk by JW (and remarks by FA)









#### FCC Kick-Off 2014

# Future Circular Collider (FCC) Study



Excellent start by this workshop



#### A big thank you to

#### **Program committee: FCC Coordination Group**

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Evelyne Delucinge, Dawn Hudson, Connie Potter

**All Speakers**