

Parallel Session Plan

Quark Flavor Physics Working Group

April 25-26, 2013

Quark Flavor Physics Working Group

<http://www.snowmass2013.org/tiki-index.php?page=Quark+Flavor+Physics>

Quark Flavor Physics, for the purposes of this Intensity Frontier subgroup, refers to experimental and theoretical studies of processes involving strange, charm, or bottom quarks, which are promising directions to discover the existence of new physics at high mass scales.

The co-conveners have set up four **Task Forces**:

Kaons (Vincenzo Cirigliano, Steve Kettell)

Charm (Roy Briere, Alexey Petrov)

B-physics (Alan Schwartz, Tomasz Skwarnicki, Jure Zupan)

Lattice QCD (Norman Christ, Steve Sharpe, Ruth Van de Water)

Parallel sessions at this meeting:

- Each Task Force organized a session
- A Joint session with Charged Leptons (theory and facilities overlap)
- Two discussion sessions (last session on Thursday and Friday)

Parallel Sessions

Thursday

11:00 – 12:30 Charm

14:00 – 15:30 Kaons

16:00 – 17:00 Discussion (What can quark flavor physics contribute?)
moderator – Joel Butler

Friday

8:30 – 10:30 Joint Session with Charged Leptons (Bldg 200)

11:00 – 12:30 Lattice QCD

14:00 – 15:30 B-physics

16:00 – 17:00 Discussion (Planning for Snowmass)

Joint Session with Charged Leptons

Four talks reflecting the overlap (theory and facilities).

Theory talk (Andy Cohen)

Project X (Ron Ray)

$e+e-$ (Tom Browder)

LHC (Marina Artuso)

**The Joint Session will be in a different building –
Bldg 200 (Auditorium)**

There will be a bus to and from Bldg 200. If you do not have personal transportation, pay attention so you don't miss the bus.

Discussion Sessions

Discussions may take place in all parallel sessions, but we have scheduled two (1 hour) periods for broad discussion topics. These are the last sessions on Thursday and Friday.

Thursday – Focus on the case of quark-flavor physics in the LHC era and beyond , relationship to other Frontiers (Energy, Cosmic), ...; Joel will moderate.

Friday – Focus on Planning for Snowmass, the working group report, the “message for Snowmass”, ...

Goals for this Meeting

- Update the experimental program described at the Rockville IF workshop.
- Refine the physics case for quark flavor studies and experiments.
 - Remember, we are all in the same boat.
- Discuss how quark flavor physics fits in the U.S. and international HEP programs.
- Formulate a “message for Snowmass.”