Introduction

Joey Huston Michigan State University

for the QCD conveners

John Campbell, Ken Hatakeyama,
Frank Petriello

Reminder of charge

- The charge for the QCD group (like every other group) is to determine the
 - current state of the art
 - what is likely/priority for the next 5 years?
 - what is likely/priority for longer time scale (20 years)?
- Of course a) is the easiest, b) is less so and parts of c) are in the realm of pure speculation
- We have broken down each question into a series of more definite sub-issues that should be addressed. For each issue, we include a discussion of the current status and outlook, some possible projects, and overlap/synergy with the other physics groups.

Today's meeting

 We'll be concentrating on a few of the issues discussed in the first Snowmass-CPM meeting

- PDFs
- eLHC
- scale choices and scale uncertainties
- jet substructure
- Future meetings will cover others

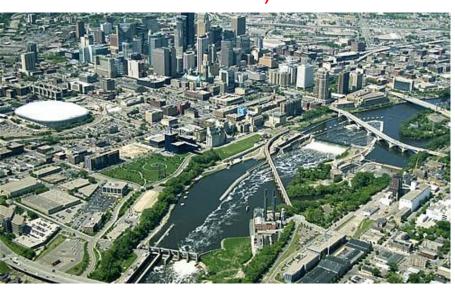
09:00	Introduction	Joey HUSTON et al.
	WH11NE (Sunrise), Fermilab	09:00 - 09:05
	Use of LHC data in PDF fits now and in the future	Juan ROJO CHACON et al.
	WH11NE (Sunrise), Fermilab	09:05 - 09:45
	Need for precision PDF's and need for an LHeC	Max KLEIN et al.
10:00		-
	WH11NE (Sunrise), Fermilab	09:45 - 10:35
	Break	
	WH11NE (Sunrise), Fermilab	10:35 - 11:00
11:00	NNLO Progress	Frank PETRIELLO
	WH11NE (Sunrise), Fermilab	11:00 - 11:30
	Scale dependence for inclusive and non-inclusive cross sections	Joey HUSTON et al.
	WH11NE (Sunrise), Fermilab	11:30 - 12:00
12:00	Lunch	
	WH11NE (Sunrise), Fermilab	12:00 - 13:00
13:00	Scale choices for complex processes	Kalanand MISHRA
	WH11NE (Sunrise), Fermilab	13:00 - 13:40
	MINLO procedure for scale setting	Keith Murray HAMILTON
14:00	WH11NE (Sunrise), Fermilab	13:40 - 14:20
	Break for Fermilab Theory Seminar	
15:00		
16:00	WH11NE (Sunrise), Fermilab	14:20 - 16:00
10:00	QCD issues in jet substructure	Liantao WANG et al.
	WH11NE (Sunrise), Fermilab	16:00 - 16:40
	Followup discussions	
17:00		
	WH11NE (Sunrise), Fermilab	16:40 - 17:40

Future meetings before Minneapolis

- At BNL April 3-6 (Energy Frontier)
 - http://www.bnl.gov/snowmass2013/
- After LoopFest at Florida State (May 16) (QCD+ Computing + Electroweak)
 - http://indico.cern.ch/conferenceDisplay.py?c onfld=223649
- University of Washington June 29-July 3 (Energy Frontier)
- Plus vidyo only meetings as needed, especially in regards to preparation for Les Houches

Snow-Houches

- Many of these issues have been addressed in the Les Houches workshops which have taken place since 1999
 - witness the many Les Houches accords
 - the next workshop will be before the Minneapolis meeting (June 3-23 2013)







==Snow-Houches

 We will try to coordinate some of the common work between the two

Les Houches

Two more weeks to apply

ÉCOLE DE PHYSIQUE DES HOUCHES





Workshop

PHYSICS at TeV COUIDERS

les Houches, France, June 3 - 21, 2013

local Organizing Committee

FORMAT

AIM

The Workshop runs over one year, including two meetings in Les Houches in the month of June, and exchanges and collaborations before and after the meetings. The meetings in Les Houches will consist of two sessions.

- Session I: 3-12 June 2013 with emphasis on SM-related issues
- Session II: 12-21 June 2013 with emphasis on New-Physics

LAPTh Annecy

Geneviève BÉLANGER Fawzi BOUDJEMA Diego GUADAGNOLI Jean-Philippe GUILLET Björn HERRMANN Eric PILON

LAPP Annecy Marco DELMASTRO Rémi LAFAYE

LPSC Grenoble Sabine KRAML

LPTHE Paris Pietro SLAVICH

LPT Orsay Gregory MOREAU

LAL Orsay Dirk ZERWAS

Dirk ZERWAS

Suzanne GASCON

CEA Saclay

Gautier HAMEL de MONCHENAULT

This Workshop is the eighth in a series whose aim is to bring together theorists and experimentalists working on the phenomenology of TeV colliders. The emphasis in this series of workshops has been on the physics at the LHC and the evatron. The highlight of the 2013 Les Houches Edition is that for the first time in this series we will have plenty of ata. With this much data, following the discovery of a Higgs-like particle, one aim of this Workshop is how to best shapen our tools and techniques in order to reconstruct the profile of this particle and possibly uncover New Physics. An equally important aim is to reassess some of the still open fundamental questions in the light of this discovery and investigate which kind of New Physics such a particle may be hinting at.

Les Houches is a Wlage located in the Chamonix valley, in the French Alps. Established in 1951, the Physics School is situated at 1150 m above sea level in natural surroundings, with breathtaking views on the Mont-Blanc range. The Les Houches Physics School is affiliated with the Université Joseph Fourier Grenoble I (UJF), it is a joint interuniversity facility of UJF and Grenobl-NJP, and is supported by the UJF, the Centre National de la Recherche Scientifique (CNRS) and the Direction des Sciences de la Matière du Commissariat à l'Energie Atomique (CEA/DSM). Ecole de Physique des Youches, Côte des Chavants, F-74310 Les Houches, France. http://houches.ujf-grenoble.fr

For more information, see: http://phystev.in2p3.fr/Houches2013/









