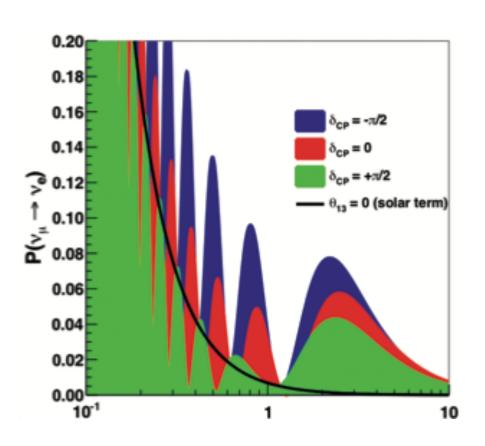


Introduction

CERN, 23th Jan 2019

Olaf Behnke (DESY)

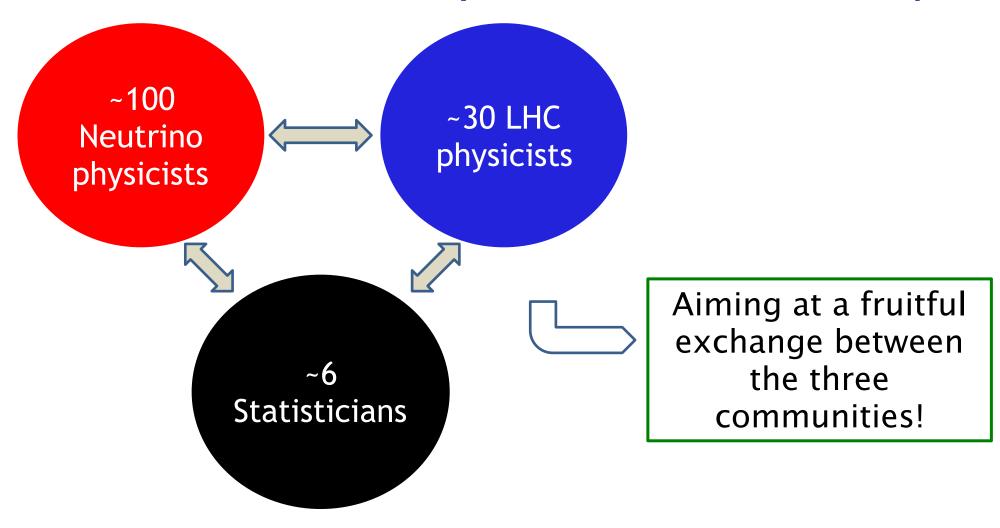


"Workshop on statistical issues in modern neutrino experiments"

Topics include:

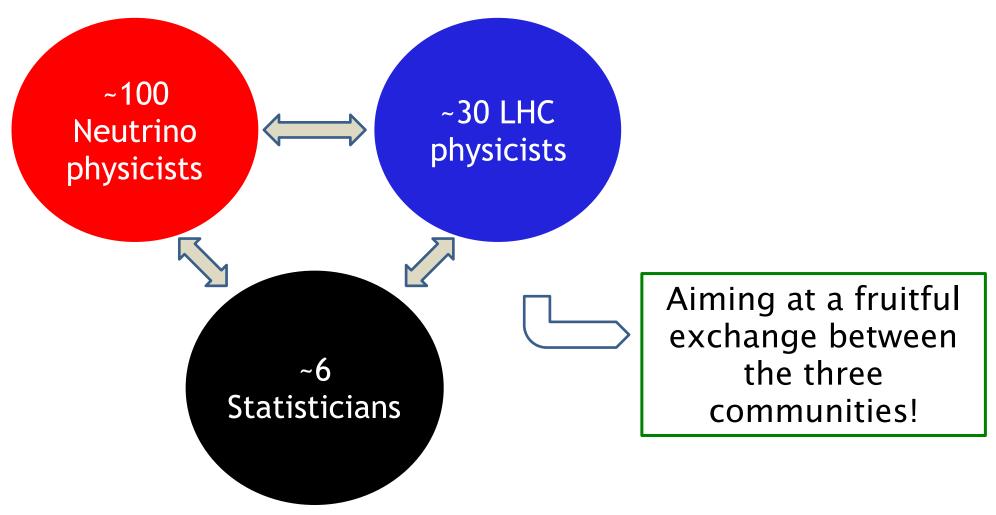
- Model selection, parameter estimation
- Limit setting, discovery
- Systematic uncertainties
- Unfolding
- Machine Learning

Welcome to the Phystat-v 2019 workshop!



| Phystat-v 2019 > =

Welcome to the Phystat-v 2019 workshop!



Event is a follow-up of two Phystat-v workshops in 2016:

- 1. Kavli institute, Kashiwa https://indico.ipmu.jp/indico/event/82
- 2. FNAL https://indico.fnal.gov/event/11906

WARTED

for discussion: Statisticians at workshop:



Jim Berger



Antony Davison



Mikael Kuusela



Victor Panaretos



Chad Shafer



David van Dyk

Don't be shy - approach them!

More info: https://indico.cern.ch/event/735431/page/16007-statisticians-at-workshop

Local Organisers



Albert de Roeck



Davide Sgalaberna



Louis Lyons



Olaf Behnke

Conference secretary: Antonella Vignes-Magno Office 3/1-025 +41754110577



Our contact email: phystat-nucern@cern.ch

Programme Overview

PHYSTAT-nu 2019 at CERN - Programme Overview						
	Tuesday Jan 22	Wednesday Jan 23	Thursday Jan 24	Friday Jan 25		
		Registration 08:30				
9:00		Welcome (10'), v physics intro (40') v Statistical issues intro (40')	Statistical issues v experiments + Statistician's talk	Machine Learning		
10:30		Coffee break	Coffee break	Coffee break		
11:00		Statistical Issues v experiments	Contributed talks	Machine learning (Statistician's talk) Contributed talks		
12:30	Early registration	Lunch break	Lunch break	Lunch break		
14:00	13:30: Statistics Intro course (voluntary participation)	Systematic uncertainties	Unfolding	Contributed talks		
15:40		Coffee break	Coffee break	15:00 Physicist's summary 15:35 Statistician's summary 16:10 Goodbye		
16:10	Early registration	Statistical Issues v experiments	Contributed talks	16:20 Coffee break		
17:40	17:00 Statistician's talk	Summary of the day /discussions	Summary of the day/discussions			
18:10						
		Reception & Poster Session (18:40-20:30)	Workshop Dinner (19:00-21:30)			

Three talks per topical sessions: Intro, LHC experience, v experience

Programme Overview + Venues

PHYSTAT-nu 2019 at CERN - Programme Overview						
	Tuesday Jan 22	Wednesday Jan 23	Thursday Jan 24	Friday Jan 25		
		Registration 08:30				
9:00		Welcome (10'), v physics intro (40') v Statistical issues intro (40')	Statistical issues v experiments + Statistician's talk	Machine Learning		
10:30		Coffee break	Coffee break	Coffee break		
11:00		Statistical Issues v experiments	Contributed talks	Maching Inguing (Statistician's talk) Charibaed talks		
12:30	Early registration	Filtration Plant	(B. 222-R-001)	503-1-001)		
14:00	13:30: Statistics	Systematic uncertainties	Unfolding	Contributed talks		
15:40	Intro course (voluntary participation)	Coffee break	Coffee break	15:00 Physicist's summary 15:35 Statistician's summary 16:10 Goodbye		
16:10	Early registration	Statistical Issues v experiments	Contributed talks	16:20 Coffee break		
17:40	17:00 Statistician's talk	Summary of the day /discussions	Summary of the day/discussions			
18:10						
		Reception & Poster Session (18:40-20:30)	Workshop Dinner (19:00-21:30)			
		Salle des Pas Perdus (B. 61-1-001	Rest. 1 (Glass windows extension			

Technical hints:

- For all indigo registered workshop participants
 - if you have not yet been at registration desk:
 - please visit desk as soon as possible (e.g. during next coffee break) and
 - fetch your badge and wear it
 - If you have opted for dinner
 - If you have not yet paid, then pay the 50 sfr in cash or at bank at CERN
 - Get your dinner ticket (please today)
 - Enjoy drinks and food during welcome reception tonight
- For all non-registered participants:
 - Priority in rooms for registered participants
 - R222 has larger capacitance —> you might find a seat
 - Friday: Councel chamber at capacitance limit
 - —> follow via vidyo

Enjoy!



Todays agenda







