

To the local organisers

- for making this school possible
- for the UNPECCABLE organisation in a such beautiful and convenient place



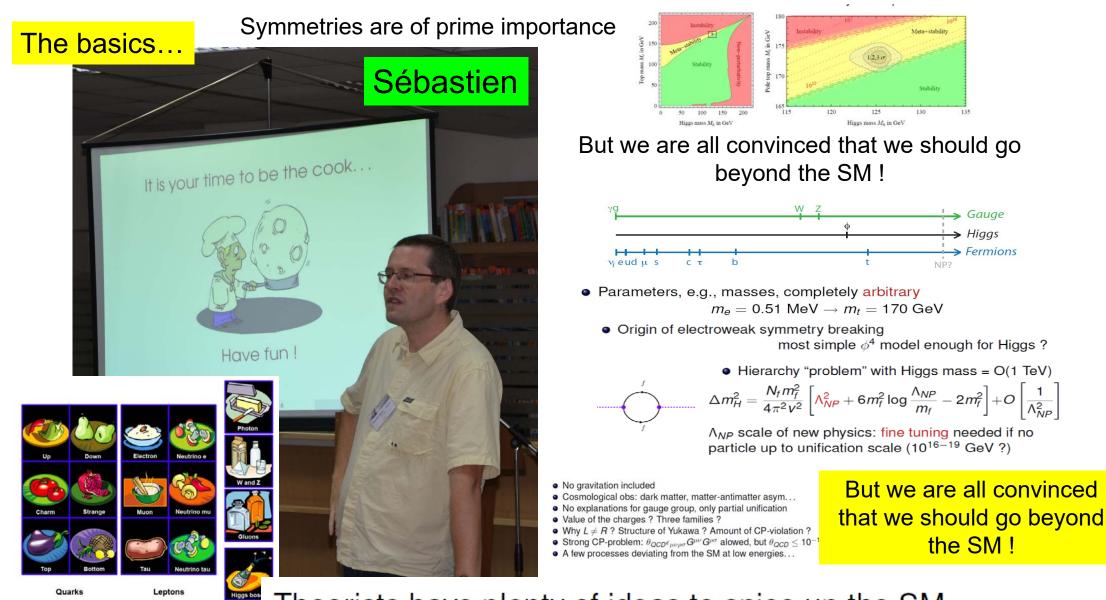


Thanks to

Lydia – the library manager



UNIVERSIT



Boson

Fermions

Theorists have plenty of ideas to spice up the SM

Meta-stability

→ Gauge Higgs > Fermions

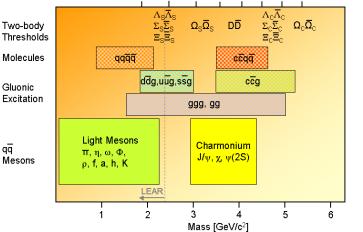
the SM !

NP?



The new frontier of the spectroscopy

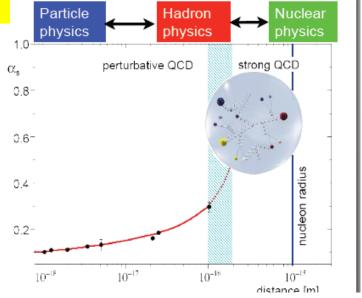
Charmonium spectroscopy, Open charm, Gluonic excitations, Hypernuclear Physics, Color transparency.....



p momentum [GeV/c]

6

8 10 12 15

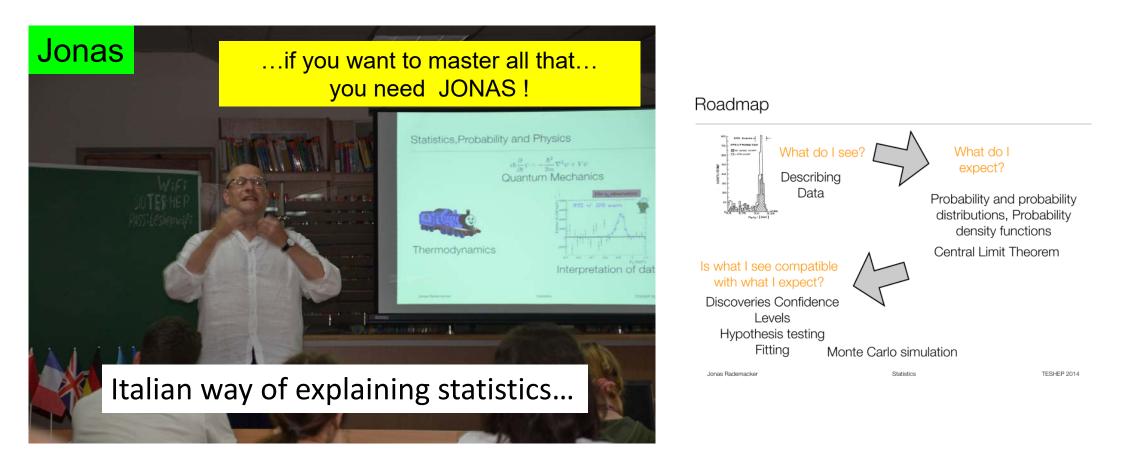


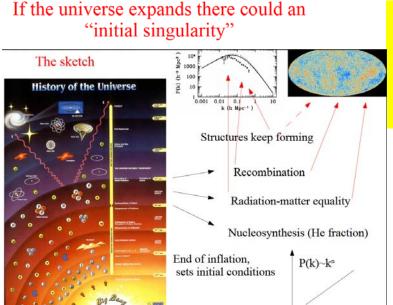
Strong interaction and hadron formation...

The important of the studies of polarised quantities

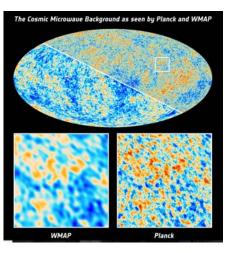
...if you want discovery... you have to be sure...

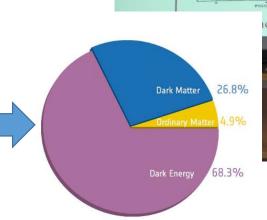
...if you want precision...you have to deal with small errors...and systematics..





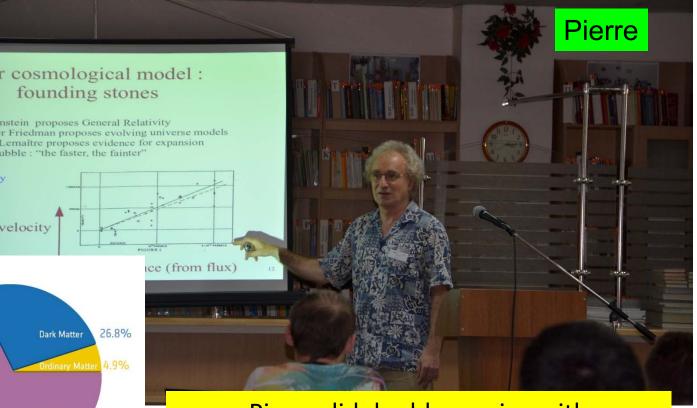
We learned from the Big Bang and the history of the universe



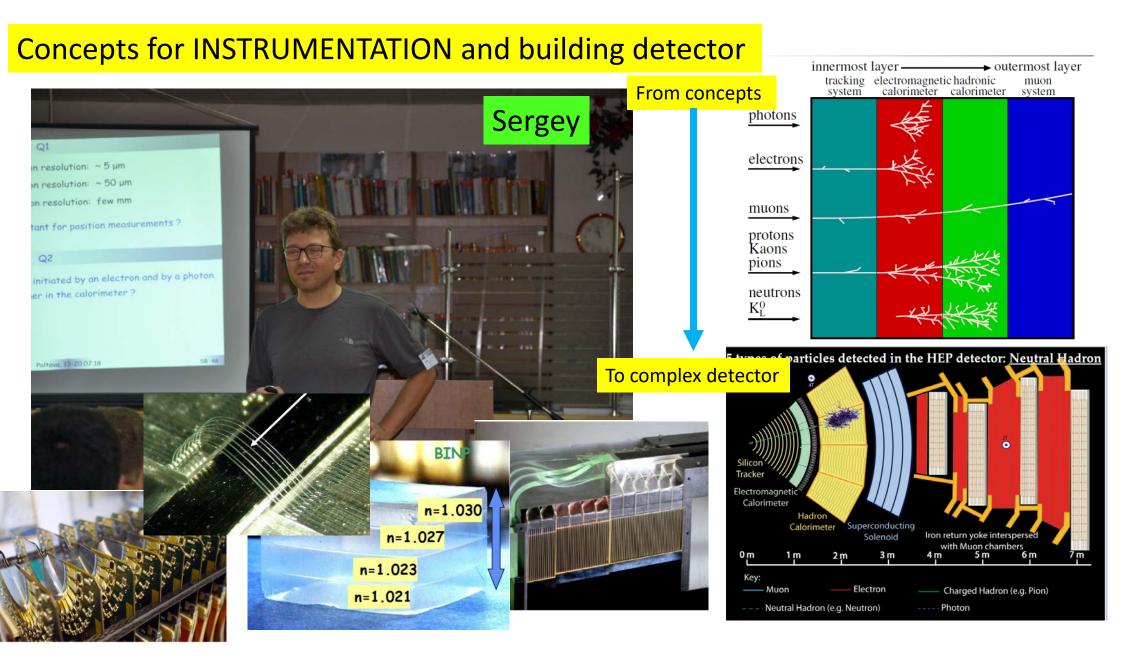


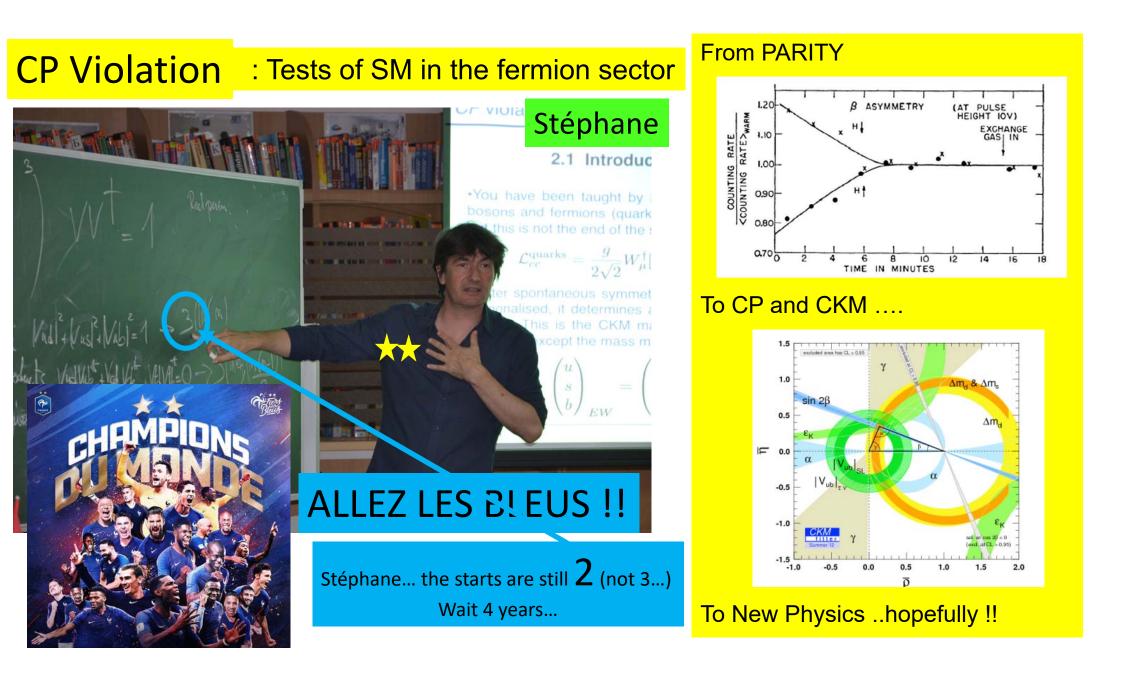
velocity

Cosmology: deep link and interplay between the exploration of the two Infinities



Pierre did double service with Lectures and Practical Works !



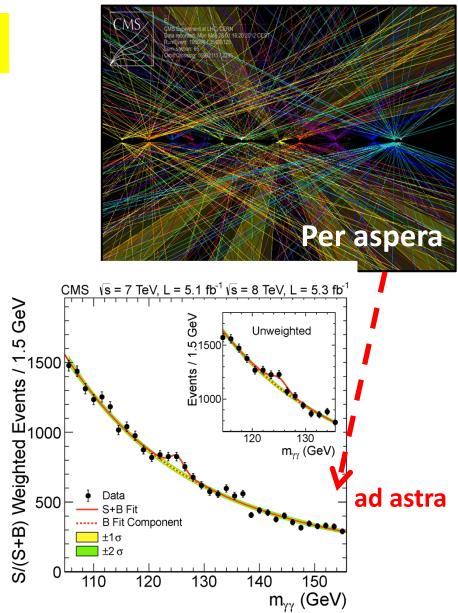


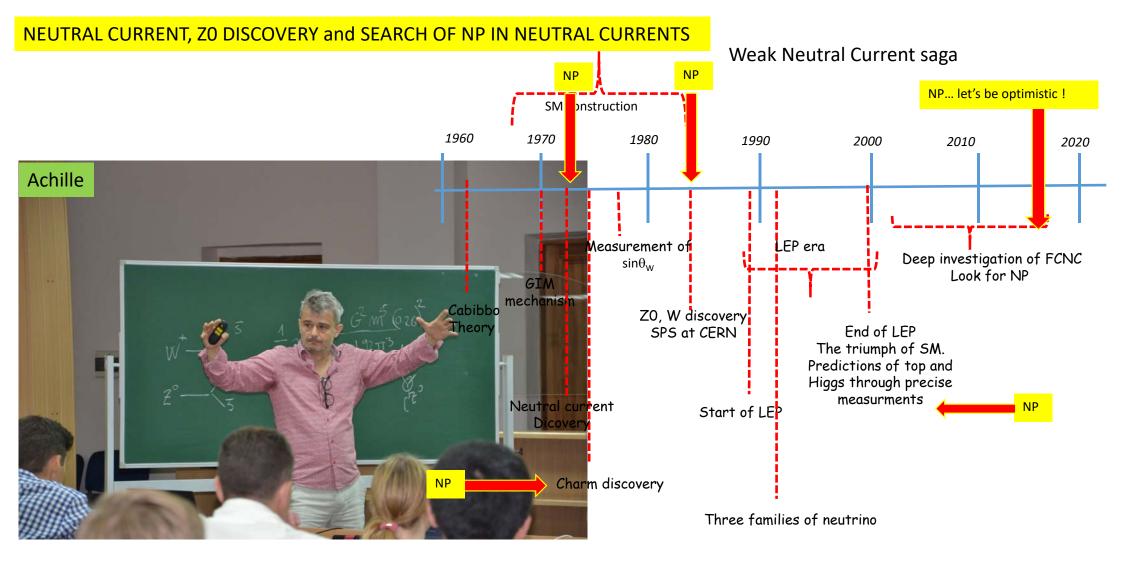
Higgs Story, Discovery and Future



We are now in post-Higgs hera

- <u>Precise measurements at LHC</u>
- <u>Future experiments</u>





From theory \rightarrow experiments \rightarrow data analyses \rightarrow statistics \rightarrow theory

Slava

And you have to be smart and well educated to perform analysis...

You need to master GEANT4 and to understand how what you measure is related to detector effects



Be able to deeply understand the fonctionning of detectors



mining the data



Conference from former students !

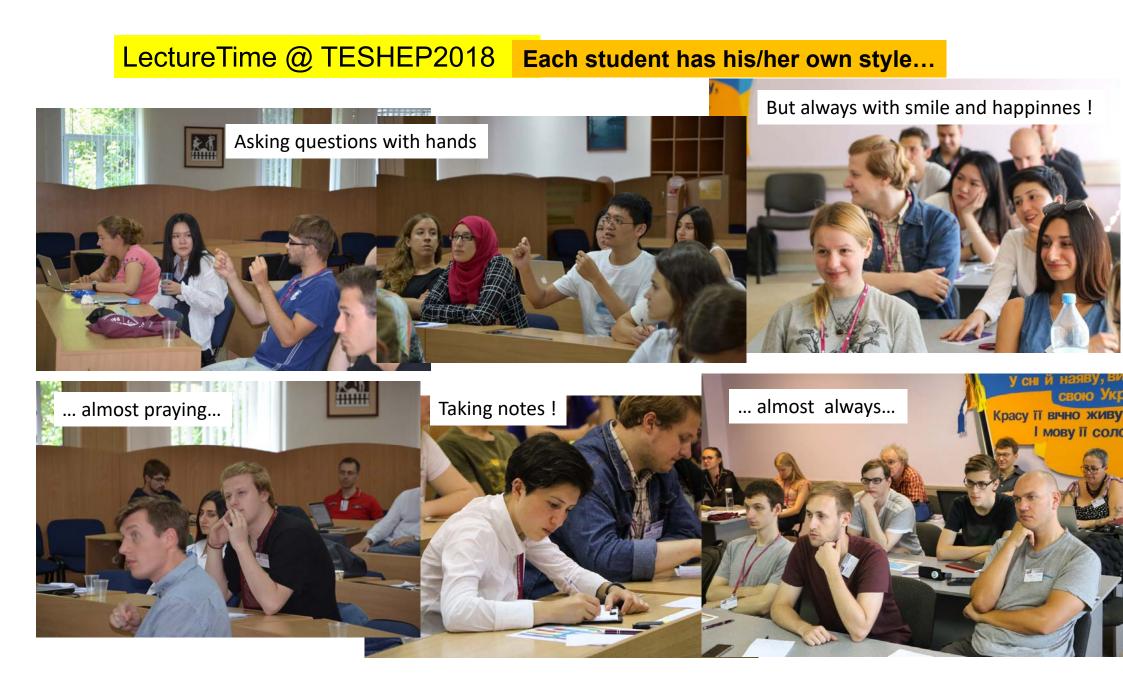


Thanks !

We really enjoyed to see you again and to see that you are continuing with success !!

We had a seminar of the CERN History and his mission.





RELAX AND FUN TIME ! Excursion on the surrounding of Poltava

The National Museum of Ukranian Pottery in Opishne



...and the very nice church in Poltava



Football as usual as always !!



Ladies were performing well !

Contacts were... friendly !!

Spectators were passionated in the stadium !

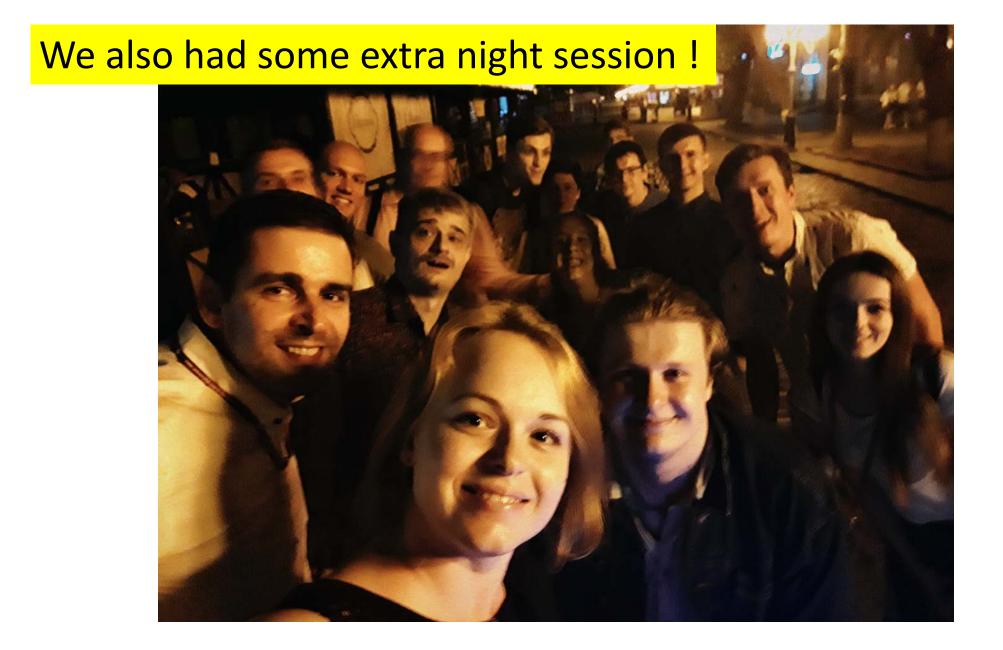




International singing sessions as usual as always !!

But this year we had many good singers !





But this it has been possible also thank to practical organization and in particular to ...

Catherine Bourge



MANY THANKS !!!

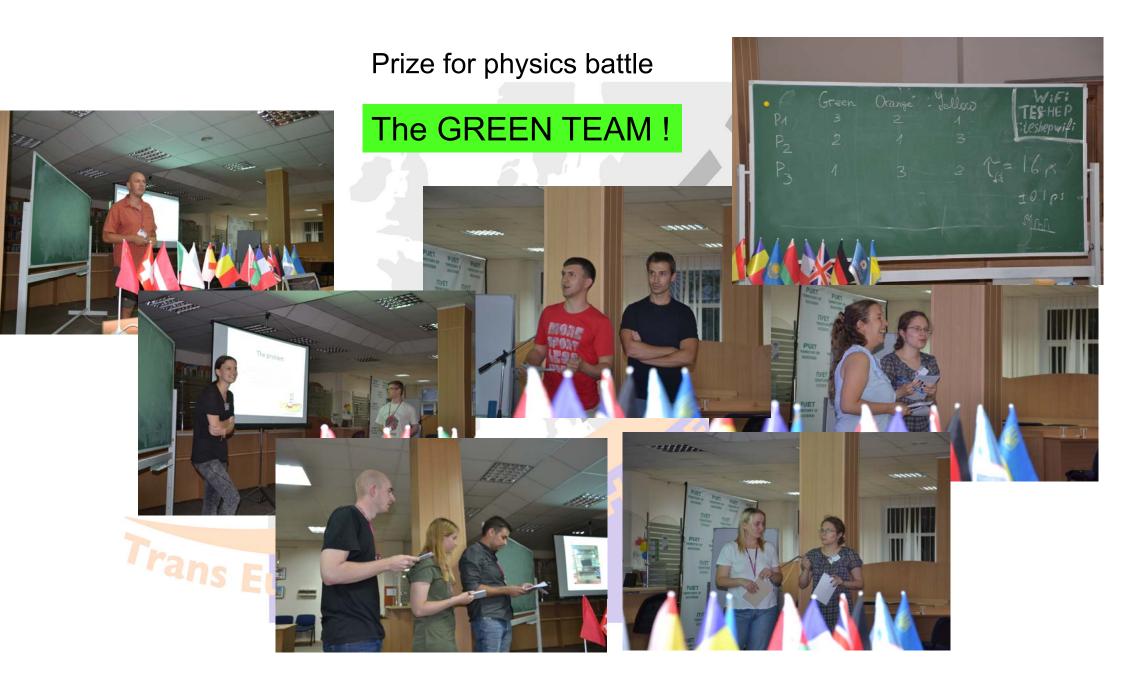
Catherine Bourge @ work Student's presentation were good and professionally prepared...

We had a Conference

More than 30



ALL STUDENTS WOULD DESERVE A PRIZE





But we want also to mention for their presentation :

Feng JIANXIN, Cristina MARTIN-PEREZ, Yuliia BALKOVA, Kateryna BARYNOVA, Tamara HOLUB



But we want also to mention for their questions and participation :

Katheryna BAYNOVA, Dmytro MELESHKO, Zhanna KHURANOVA, Manar AMER, Oleh TROFIMIUK

Prize for the best lecture Trans E JONAS RADEMARCKER

What next?

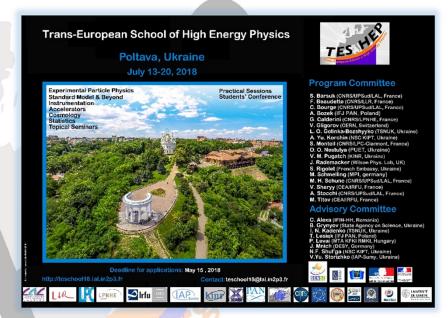
Hopefully....Riga at night - LATVIA In 2019 school will be organised

But be sure we'll come back soon to Ukraine !!

Proceeding 5pages for 1h lecture/seminar 1page for the student presentation

Deadline 15th November

We will provide to you the template (tex format) in two weeks time



We will send you a « questionnaire » by email to have your appreciation about the school and of the lectures. Please take sometime to fill it up. Your comments are very useful for us to improve !

Thanks for coming, have a safe journey back home

Trans European Schoo