

PHYSTAT-Systematics 2021

3 Nov 2021

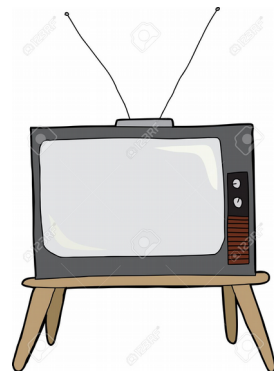
Louis Lyons (Imperial), Nicholas Wardle (Imperial), Olaf Behnke (DESY), Richard Lockhardt (SFU)

Some final remarks for today...

This is **not the end**, please join next weeks
Summary talks 10 november 4-5.30pm:

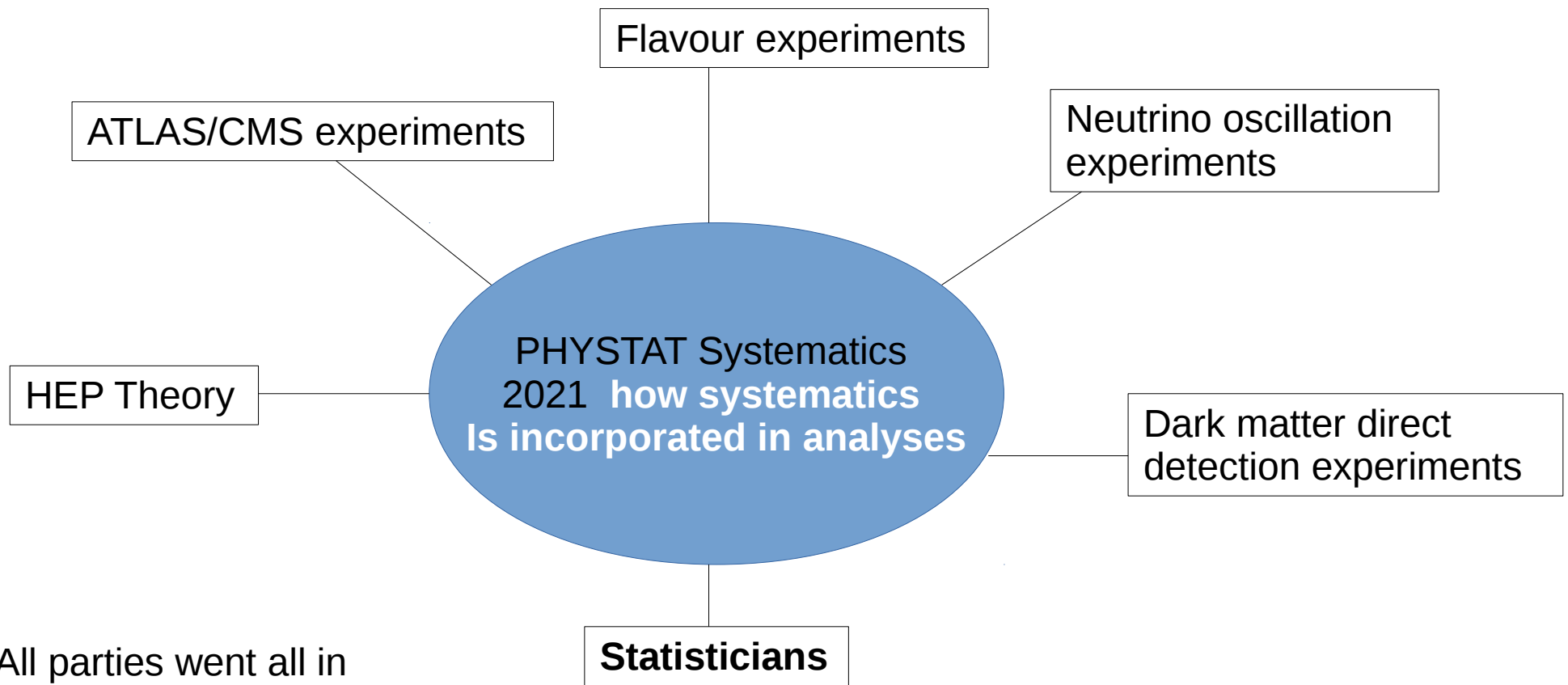
Physicist's summary: Nick Wardle (Imperial)
Statistician's summary: Sara Algeri (Minnnesota)

On the same channel



<https://indico.cern.ch/event/1051224/timetable/>

PHYSTAT-Systematics 2021



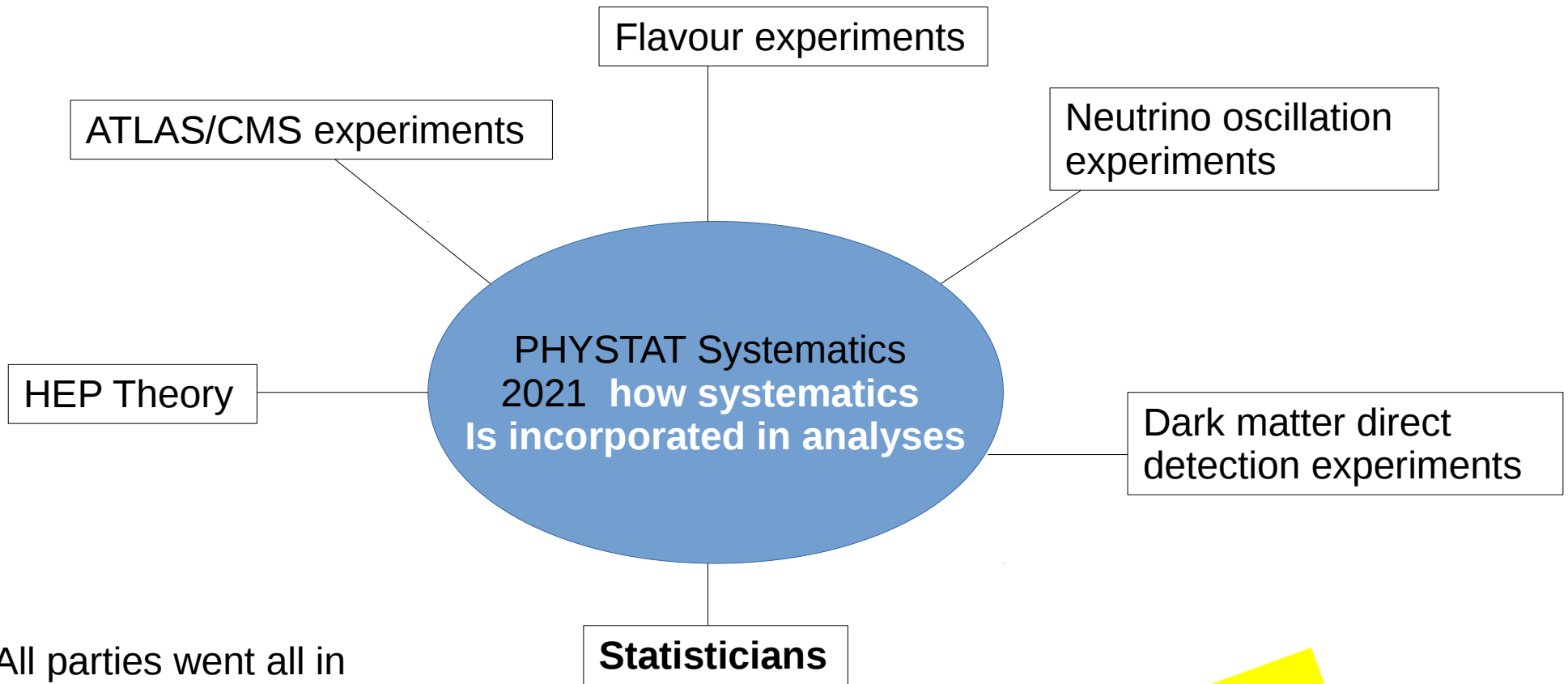
All parties went all in with their procedures...



What did we learn from this?? → **a great deal!**

One example: physicists like to use polynomials for parametrizing background shapes, template morphing etc. Chad Shafer: in the limit $n \rightarrow \infty$ at some point it becomes inevitable (or favourable) to go to non-parametric methods

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All parties went all in with their procedures...



What did we learn from this great deal!

One example: physicists use polynomials for parametrizing distributions, template morphing etc. Chad S. (2017) $\rightarrow \infty$ at some point it becomes inevitable (unstable) to go to non-parametric methods

More examples/details to come in the summary talks 10th november

PHYSTAT-Systematics 2021: Survey

Please fill out at

<https://indico.cern.ch/event/1051224/surveys/>

- How useful did you find the workshop (low, medium, high)
- What did you like and what not?
- Suggestions for topics at a future PHYSTAT-Systematics workshop

The PHYSTAT **SAGA** carries on

PHYSTAT Seminars: <https://indico.cern.ch/category/10790/>

- 17 Nov: David Blei (Columbia):
"Variational Inference for Bayesian Analysis",
jointly with CERN DS seminar <https://indico.cern.ch/category/9320/>
- 1 Dec: Amanda Cooper-Sarkar (Oxford):
"Statistical Issues in proton PDF fits"

Further **PHYSTAT Workshops** in preparation..

- Find all events at our homepage: <https://espace.cern.ch/phystat/>
- Subscribe to our event announcement email list:
<https://e-groups.cern.ch/e-groups/EgroupsSubscription.do?egroupName=phystat-events>



PHY STAT flight taking off

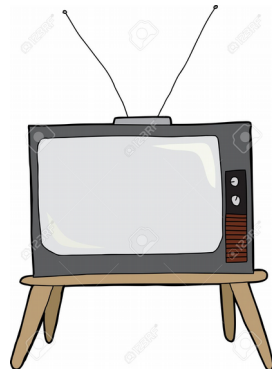
<https://www.youtube.com/watch?v=GXevl1n2VdQ>

PHYSTAT-Systematics 2021: Thanks

Finally, for today, lets thank all **speakers, responders and session chairs** for their contributions and also the **regular attendants** for making this a very lively workshop!

See you next week 10th november 4pm CET for the summary talks!

On the same channel



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