



ALICE



HONEXCOMB

(Heavy ion experimental combination)

RGdC, GM, IGB, AK

November 24th 2020



Some news

Postdoc hiring underway (2+1 year)...

(amendment signed 😊)

- CMS : Florian Damas (from Alice) joining Polytechnique in January
- ALICE : INP, Krakow (contact: [Jacek Otwinowski](#))
- ATLAS : AGH UST, Krakow (contact: [Iwona Grabowska-Bold](#))
- LHCb : INFN Cagliari (contact: [Giulia Manca](#))

Mailing list @ 100+ people

- Invite your friends

Honexcomb year 1

(slide shown at the annual meeting)



1 – Work (list of topics)

Discussed in meetings (talks)

- Heavy Flavours* (4)

- nPDF (3)

- Quarkonia

- Light-by-light scattering

+ Centrality definition

+ Top quarks

+ Jets* (2)

+ Anomalous em moment of tau

From proposal

Work done in each collaboration

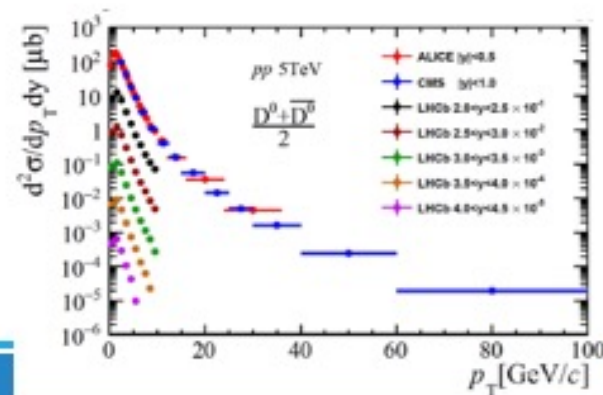
+ One identified common work

Small team to work out a first combination

(ALICE+CMS+LHCb)

Open charm cross section (total + differential)

* Connections with NA3 and NA7



Honexcomb year 1



(slide shown at the annual meeting)

3 – Progress

Beyond the state of the art? A 4-experiment forum exists...

Expected results? Not much yet, but x-collaboration paper is the goal and one topic is identified

Potential impact? Wait and see, but having a forum is already something (but people are busy)

In this work, **no strong-2020 euro was spent yet!**

- Delay in hiring the postdocs (unexpected amendment needed)
- First one arriving in January 2021 (Florian Damas, from Alice to CMS)
- Expected boost with their arrival, stay tuned...

Strong-2020 **extension is very welcome**

- Ideally by one year to allow flexibility in hiring (3-year postdocs, with 1 to 2 years from Strong 2020)

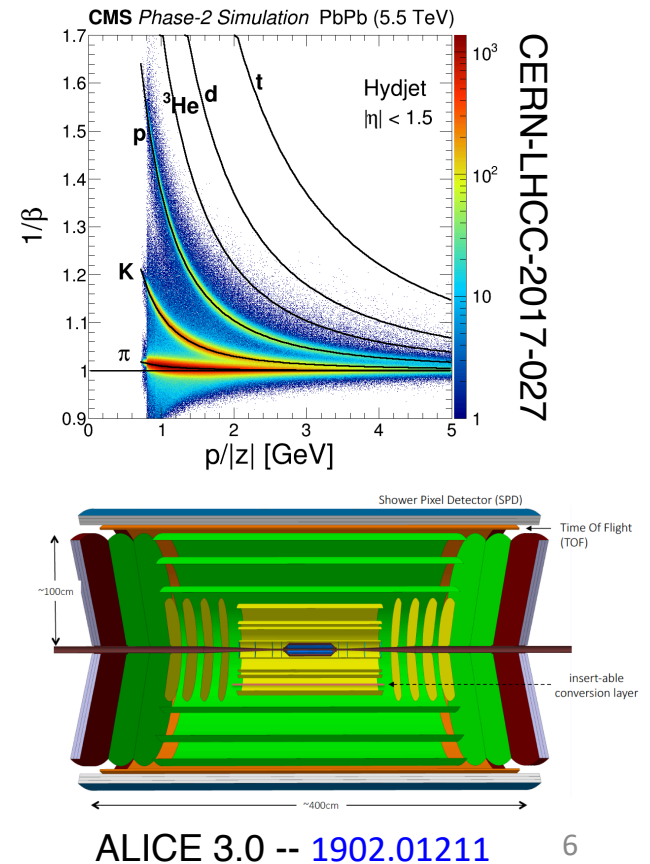
Ideas for year 2

- Suggestions welcome?
- Reinforce the forum-like activity? Different or split meetings:
 - Topical forum with 1 exp + 1 th talk, topic change every month
 - Keeping the x-collaboration goal as motto
 - Reports from our working groups (for now, charm)
- Asking for 1-2 theorist to join us in the coordination, volunteers?
- Create of a LPCC WG (started, stay tuned)
 - Important if we move to formal joint publications
 - Important if we want to live beyond Strong-2020
 - (<https://lpcc.web.cern.ch/lhc-working-groups>)
- Use Mattermost?
 - https://mattermost.web.cern.ch/signup_user_complete/?id=x9y4ortgrjy6fmxjg5o8bq9hrr
- Host discussions about the future? (next slide)

Possible discussions about future

- Honexcomb could be a forum to discuss the complementarity and overlaps between LHC experiments for future projects (Run 4 and beyond)

- Examples:
 - PID capabilities for anti-nuclei
 - Multi-charm hadrons
 - ...



Next meetings

- Today
 - Jet follow-up (A. Shabetai et al)
 - Open charm follow-up ()
- Next year
 - Keep last Tuesdays of the month:
 - Jan 26th, Feb 23rd, Mar 30th,
 - Apr 27th, May 25th, Jun 29th,
 - ...