

What causes “flow” in small and/or dilute systems, and what can we learn from it?

Standard Heavy Ion Paradigm in large/dense systems

IS geometry -> fluctuating IS density distributions

-> **FS interactions** of produced matter (strings, partons, hadrons, fluid cells, ..)

-> “hydro-like” **collective momentum correlations**

1) Reminder of small system measurements

(Katarina)

2)

Question to the 4 panelists

(Raju, Bjorn, Huichao, Peter)

Is the underlying physics of **collective flow** in **small&dilute** (eg MinBias pp)
“in essence”

the same as in **large&dense** (eg PbPb)?

IS geometry shapes/fluctuations -> collective momentum correlations via strong FS interactions?

- **No** (maybe, don't know): Are there alternative models (eg CGC) compatible&consistent with all measured data?
How can we experimentally discriminate between alternatives?
- **Yes**: Are there any non-trivial* differences between small/dilute and large/dense systems?
What are the implications (if any) for the “ideal liquid” QGP if we see something similar in MB pp?