## Closing of CSCS20 18

Shusu Shi \& You Zhou

## CSCS20I7 -> CSCS2018

Topic of collectivity in small systems becomes hotter and hotter

- attendance increase by a factor of 2

| Workshop on Collectivity in Small Collision Systems |  |  |  |
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| 9-11 May 2017 Niels Bohr Institute urope/Copenhagen timezo |  |  |  |
| Overview <br> Call for Abstracts <br> Timetable <br> Contribution List <br> Author List <br> Registration <br> Accommodation | Participant List <br> 31 participants |  |  |
|  | First Name | Last Name | Affiliation |
|  | Bjoern | Schenke | Brookhaven National Laboratory |
|  | Christian | Bierlich | Lund University |
| Participant List <br> Practical information <br> Information about local transportation <br> Wireless internet access at NBI | Christian | Bouriau | Niels Bohr Institute |
|  | Christian Holm | Christensen | Niels Bohr Institute |
|  | Constantin | Loizides | LBNL |
|  | Freja | Thoresen | NBI |
|  | Gosta | Gustafson | Astronomy and Theoretical Physics |
|  | Hans | Baggild | Niels Bohr Institute |
|  | Ian | Bearden | Niels Bohr Institute |
|  | Jan Fiete | Grosse-Oetringhaus | CERN |
|  | Jens Joraen | Gaarchoie | Niels Bohr Institute |



## CSCS20I7 -> CSCS20I8

Topic of collectivity in small systems becomes hotter and hotter

- Attendance becomes younger (attendance of young physicists is crucial for the entire field!)


June I $5^{\text {th, }} 2018$
S. Shi \& Y. Zhou @ CSCS20 18

## "Small" systems at LHC



## "Small" systems at RHIC

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From R. Belmont @ QM18

## What we learn from this workshop? What are the open questions?



This slide will be updated after collecting all responses

## What we saw in this workshop






* Evidence of collectivity in small systems, in pp, p$\mathrm{Pb}, \mathrm{d}-\mathrm{Au},{ }^{3} \mathrm{He}-\mathrm{Au}$
- Latest results reports by ALICE, ATLAS, CMS, LHCb, PHENIX, STAR
- There might be still room for further


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Evidence of collectivity in small systems, in pp, p$\mathrm{Pb}, \mathrm{d}-\mathrm{Au},{ }^{3} \mathrm{He}-\mathrm{Au}$

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## Remaining open questions



* What is the origins of the observed collectivity in small systems?
- Initial stage correlation? Final state effects? Or Combined?
- There is no model which can describe the overall picture
- Possible answers in this workshop: IP-Glasma, iEBE-VISHNU, superSONIC,AMPT, Bayesian Analysis, Deep learning
- Need key observable to discriminate ISE and FSE


## CSCS2019?

