

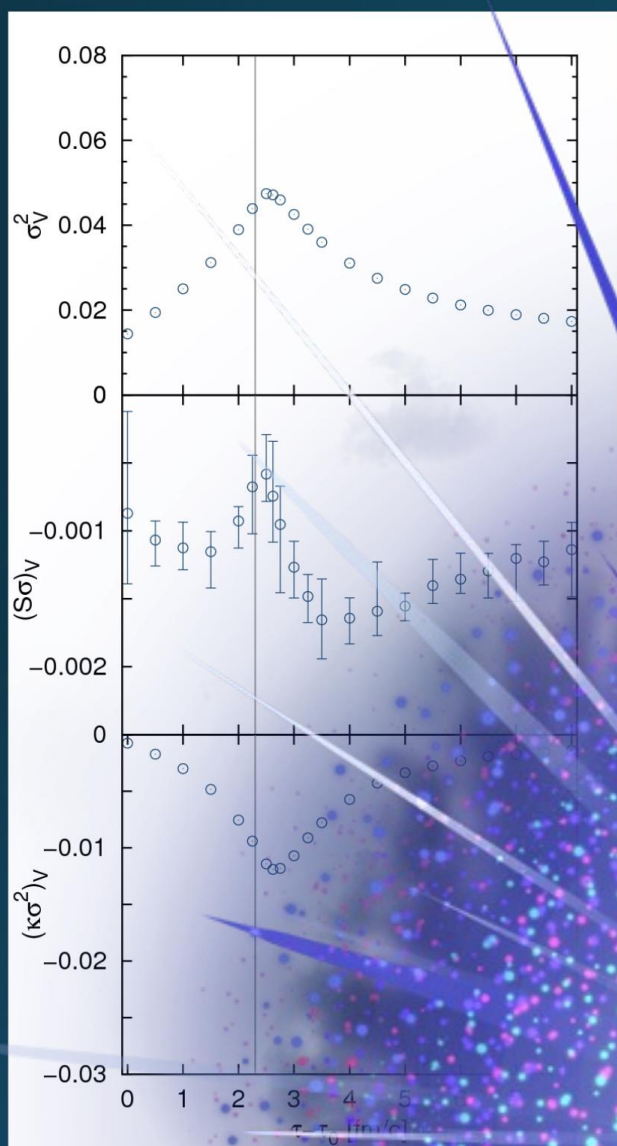
# ExtreMe Matter Institute EMMI

EMMI RRTF

## Dynamics of critical fluctuations: theory – phenomenology – heavy-ion collisions

GSI, Darmstadt, Germany

April 8 -12, 2019



Credits:  
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CERN, ALICE Collaboration  
arXiv:1804.05728 [nucl-th]

### Topics:

- dynamical modelling of critical fluctuations in QCD
- coupling of the critical dynamics to the bulk evolution in HIC
- proper treatment of the order parameter(s) in and out of the scaling region
- experimental observables and challenges
- connection with cold atomic gases at phase transitions

### Information:

[www.gsi.de/emmi/workshops](http://www.gsi.de/emmi/workshops)

### Organizers:

Marcus Bluhm, Subatech  
Alexander Kalweit, CERN  
Marlene Nahrgang, Subatech

### More about EMMI:

[www.gsi.de/emmi](http://www.gsi.de/emmi)