



## Mathematics and CS Seminar

# Central Limit Theorem for Bose-Einstein Condensates

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**Host: Robert Seiringer**

We consider a system of  $N$  bosons confined in the box  $\Lambda$  in the Gross-Pitaevskii regime. We show that the probability distribution associated with the ground state satisfies a multivariate central limit theorem. The proof is based on an approximation of the ground state recently established. This is joint work with Benjamin Schlein.

**Thursday, February 28, 2019 4.00pm**

IST Austria Campus Big Seminar room Ground floor / Office Bldg West (I21.EG.101)



This invitation is valid as a ticket for the IST Shuttle from and to Heiligenstadt Station. Please find a schedule of the IST Shuttle on our webpage (note that the IST Shuttle times are highlighted in dark green):  
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