The Muttalib-Borodin ensemble, with potential function $V$, is a log-gas model with two types of interaction, and its joint probability density function is proportional to

$$\prod_{1 \leq i < j \leq n} (x_i - x_j)(x_i^\theta - x_j^\theta) \prod_{i=1}^{n} x_i^\alpha e^{-nV(x_i)}.$$ 

When $V(x) = x$, interesting limiting distribution is found for the smallest particles. In this talk we discuss our recent result on the universality of the Muttalib-Borodin ensemble at the hard edge, when $\theta$ is an integer, that is, the limiting distribution is not affected by $V$.

This is joint work with Lun Zhang.

**Wednesday, 17 March 2021, 0900 hrs CET**

Zoom Konferenzschaltung—Please contact Gernot Akemann (akemann@physik.uni-bielefeld.de) for details regarding access.