

CAVITIES TO STRENGTHEN THE FRACTIONAL QUANTUM HALL EFFECT

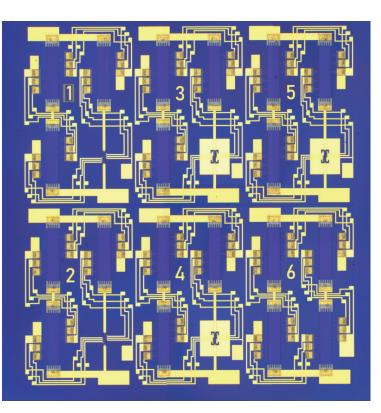
JÉRÔME FAIST

ETH Zurich, Switzerland We have investigated a new experimental geometry where a hovering resonator is positioned with nanoactuators above the Hall bar, providing a way to continuously vary the light-matter coupling while the sample is maintained at millikelvin temperatures. Using this approach, we observe the effect of light-matter coupling on the effective electron g-factor as well as its effect on the gap of the Laughlin states.

FRIDAY, 17.05.2024

2:00 PM

CFEL SEMINAR ROOMS I-III & ONLINE PRESENTATION CHECK HHPS.DE FOR FURTHER INFORMATION



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DESY.

