

# International Conference on Quantum Technologies for High-Energy Physics (QT4HEP22)



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## **PASQAL neutral atom arrays processors and their applications**

*Thursday, 3 November 2022 12:00 (20 minutes)*

PASQAL manufactures quantum processors based on neutral atom arrays offering attractive scaling, flexible topology and both analog and digital computational modes. To discuss their current and eventual capabilities, we will elaborate on the physics and technologies that powers these quantum devices. PASQAL works jointly with industrial and academic players to identify relevant challenges and enabling ideas; we will showcase how tailored applications and experiments are constructed with them, while building for the future.

**Presenter:** VIGNOLI, Louis (PASQAL)

**Session Classification:** Industry & Entrepreneurship