

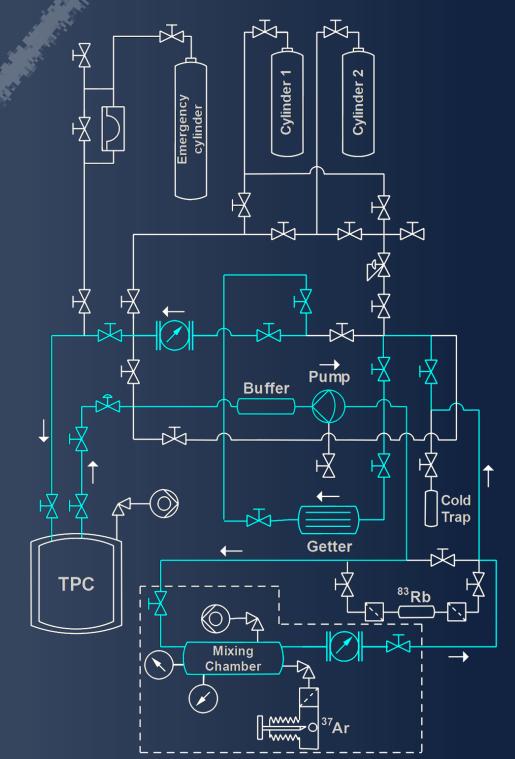
THE PROJECT

- Xenoscope, ERC advanced grant
- R&D towards the ultimate dark matter observatory DARWIN

THE SETUP

- LOCATION: Zurich, above ground
- DETECTOR: Dual-phase xenon Time Projection Chamber (TPC)
- SIZE (h x d): $(31 \times 31) \text{ mm}^2$
- DRIFT FIELD: up to over 1 kV/cm (10 kV/cm extraction field)
- ENERGY THRESHOLD: < 0.27 keV (S2 only)
- BOTTOM PHOTOSENSOR: 2-inch Hamamatsu R9869 PMT





XURICH II: FIRST DUAL-PHASE XENON TPC WITH SiPMs

Eur. Phys. J. C 80, 477 (2020)

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