

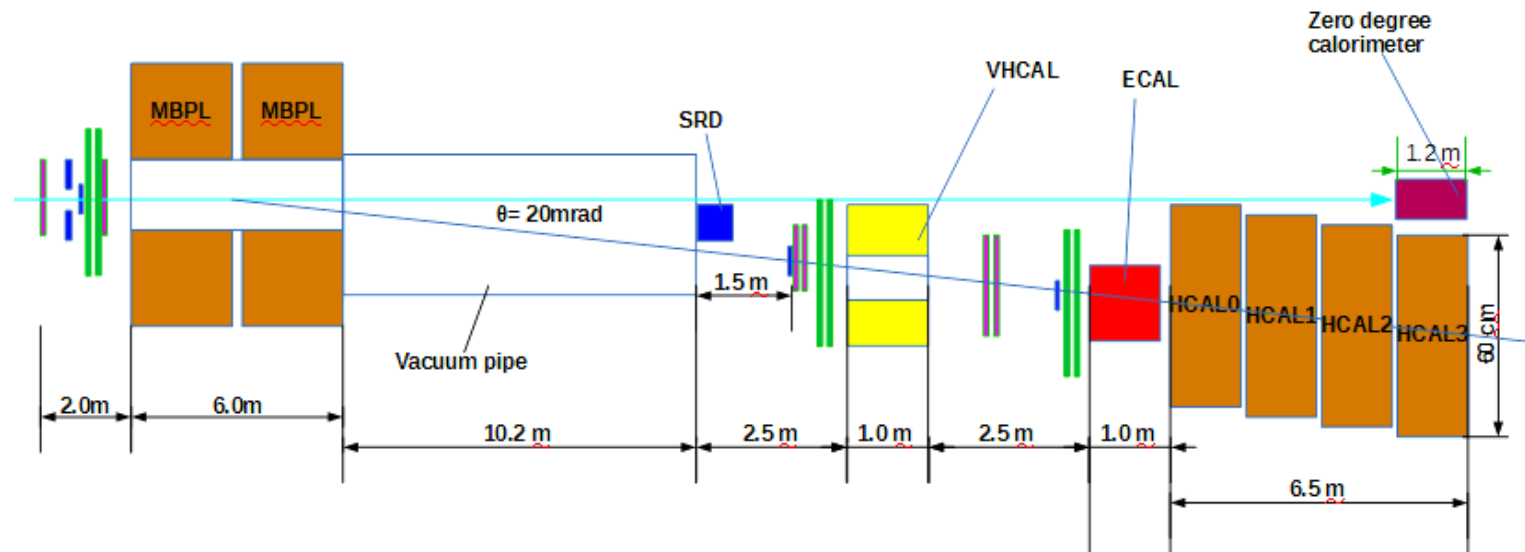


NA64e



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On behalf the NA64 collaboration

- **Main goal** - search a light dark matter with invisible mode, accumulate around 1.0×10^{12} electrons on target;
- **Second goal** - resonant production of light dark matter with invisible mode, accumulate around 1.0×10^{11} positrons on target;





Beam requirements



- *100 GeV electrons, intensity - $5\div 7 \times 10^6$ electrons/spill, hadron contamination - less than 1%, beam spot ~ 4 mm;*
- *100 GeV positrons, intensity - $3\div 4 \times 10^6$ electrons/spill, hadron contamination - less than 2%, beam spot ~ 4 mm;*
- *50 and 100 GeV hadron beam, low intensity $\sim 10^4$ per spill for hadron calorimeter calibration;*

Infrastructure



- *Gas - Ar + CO₂ for tracking detectors GEM, MM and Straw;*
- *DESY platform for ECAL;*
- *Moveable platform for calibration of the hadron modules, load capacity - 4 t, range of motion ±40 cm in the horizontal and vertical;*

THANKS