Required functionality
- Fast min. bias collision trigger with latency < 425 ns;
- Collision time for TOF with ~ 20 ps time resolution;
- Luminosity and background monitor;
- Centrality measurement;
- Event plane determination;

FV0 Electronics performance
- 25% amplitude resolution improvement for 1 MIP;
- 60% trigger efficiency for 1 MIP events;

New mezzanine performance for FVO and FDD for Pb-Pb run:
- 25% amplitude resolution improvement for 1 MIP;
- 60% trigger efficiency for 1 MIP events;

FIT Detector Control System
- The Detector Control System for ALICE-FIT-FT0 has been upgraded, and many processes were automated;
- The DCS system has been developed for all FIT detectors;
- The Alice_DCSUI was implemented into FV0 and FDD projects;

FIT Detectors
- FIT-Diffractive Detector (FDD): Scintillator
- FIT-TO (FT0): Cherenkov
- FIT-VO (FVO): Scintillator

Results from pp collisions in 2022
- FIT resolution = 22.14 ± 0.04 ps
- peak position = -15.12 ± 0.03 ps

Trigger rates FTO_VX, FV0_ORA, FDD_VX

Conclusions
- All FIT design goals have been reached;
- The modified mezzanine boards improved the scintillator detectors’ time distribution;
- The DCS of all FIT sub-systems has been developed and significantly automatized;
- FTO has reached 22 ps time resolution in pp collisions;
- FIT FTO_VX trigger serves as the ALICE luminosity monitor;
- FTO rates from non-colliding bunches indicate beam-gas background in ALICE;