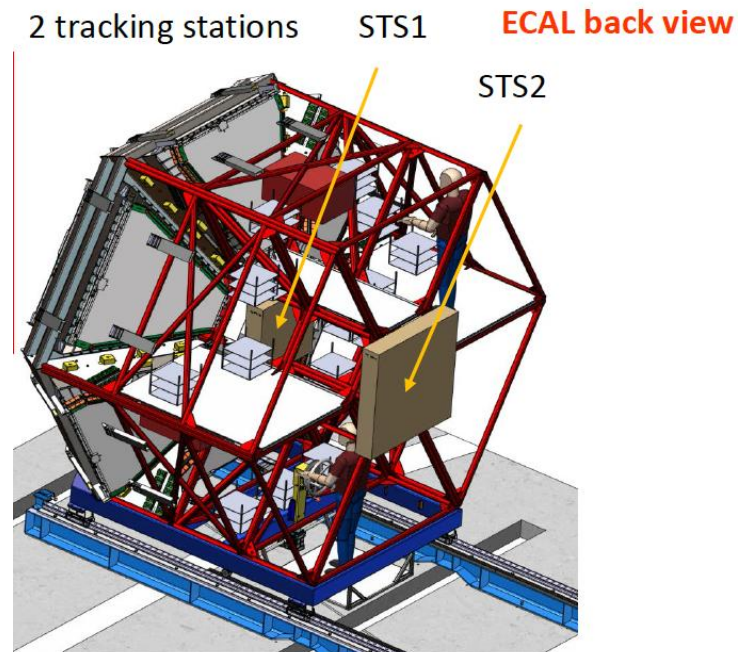


# Status of the Forward Tracker for HADES (PANDA Phase-0)



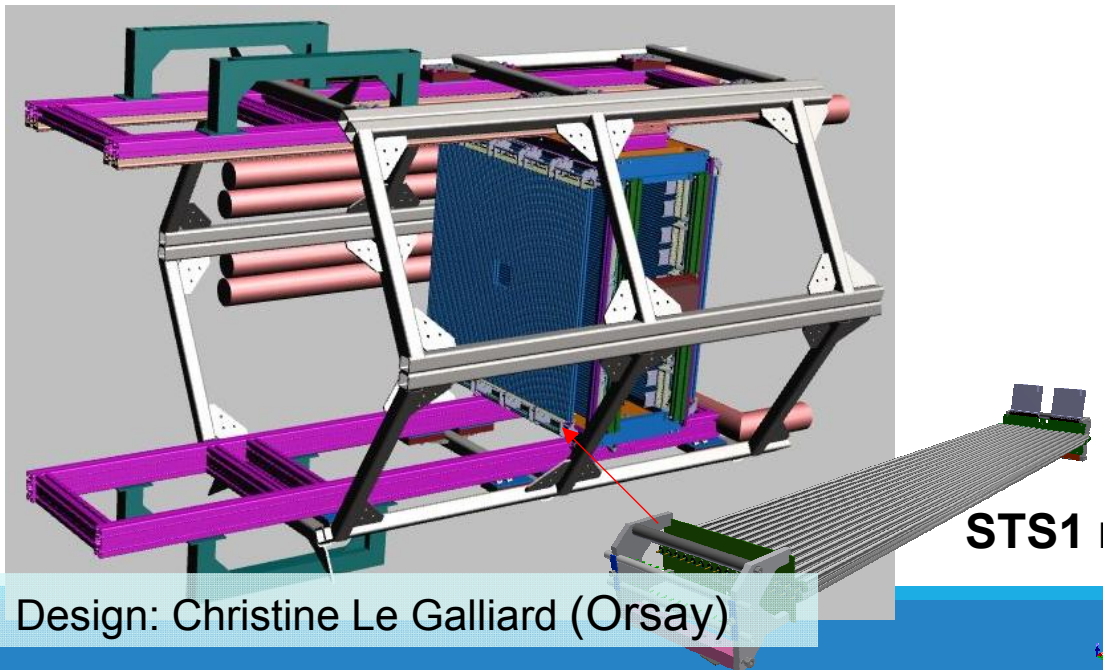
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# Tracking stations

## STS1 (Jülich, Orsay)

- ✓ all straws produced, all **20** straw modules glued
- ✓ module mechanical elements and frame
  - ✓ designed and ordered
    - pre-mounting of STS1 system planned for end of this year, functional tests next
- ✓ STS1 rail system and mechanical support by Orsay
  - mounting and alignment of system in early 2019



Design: Christine Le Galliard (Orsay)

## STS2 (Kraków, Orsay)

- 24 of 32 modules ready
- support frame is being built



STS1 module

# Supplies, software, installation

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## Common systems

### Readout system for STS1 and STS2 (2000 channels)

- ✓ components ordered and delivered
  - front-end boards with PASTTREC ASICs (FEE)
  - readout with TRB3
- functional tests of FEE ongoing in Krakow

### Gas system (HADES IFJ group Krakow)

- ✓ system design done
- ✓ components ordered and delivered
- system assembly in Krakow

## Software and procedures

- ✓ Full detector description in the HADES software
- ✓ Physics simulations and analysis
- ✓ Software package for setting the FEE parameters

## Test beam

**Protons from COSY in Febr. 2019**

## Operational schedule

- Final installations shifted by half year to summer 2019 (after HADES Ag+Ag exp) due to SIS18 issues last weeks
- Experiments in 2020 – 2021 (pion and proton beams)
- Deinstallation and refurbishment for PANDA in Q2/2022 unchanged.