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Starting up of pixelized Micromegas detectors for 2021 data taking

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TB 4/4/2021

PixelMM detectors

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Status

- No intervention during 2019-2020, same status as 2018
- 2020 dry run: no problem seen in APV readout (only stations 1 and 2 powered up)
- No (known) update on ADC card firmware

To be done for 2021 run

- Reinstall missing power supplies (cf next slide)
- Check whole APV readout
- Check detectors with HV (with flammable gas)
- With beam: latency tuning, time and amplitude calibrations (low intensity muons including halo trigger, alignment necessary)

Pixel MM power supplies

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LV power supplies

- Wiener PS OPO40155 (used before to supply SFE16), 4 + 4 channels
- One missing, returned to the pool end of 2018
- Must be rented from pool to power the station 3
- Availability at pool (30/4, from web page): none, to be checked with pool peoples

HV power supplies

- CAEN SY2527 crate and 4 A1821N modules returned to pool end of 2018 (3 other A1821HN modules owned by Saclay)
- Must be rented again to power the 3 pixel MM stations and DC1
- Availability at pool (30/4, from web page)
 - Modules: 6 A1821N, 1 A821HN
 - Crate: no SY2527, no SY5527, 6 SY1527 (larger crate, available space to be checked)