

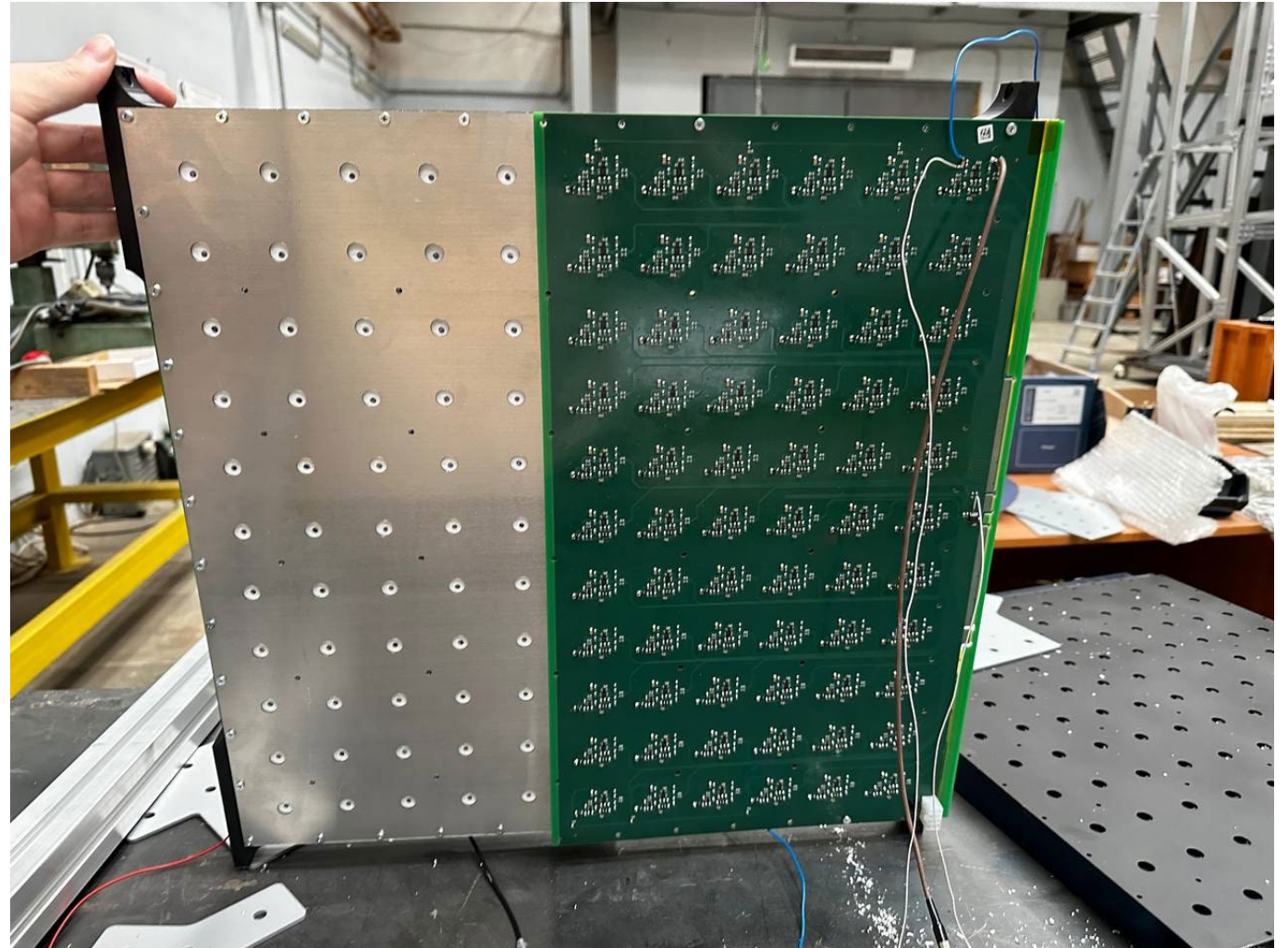


Status of the HGND scintillation module and support structure development and construction

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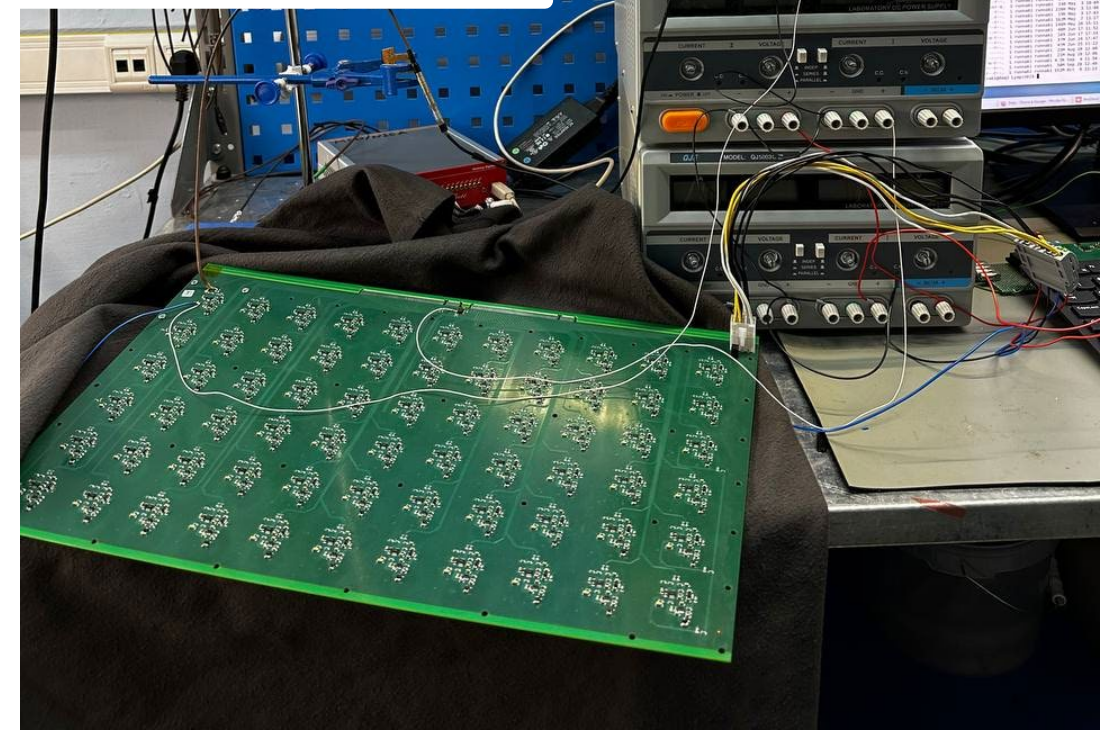
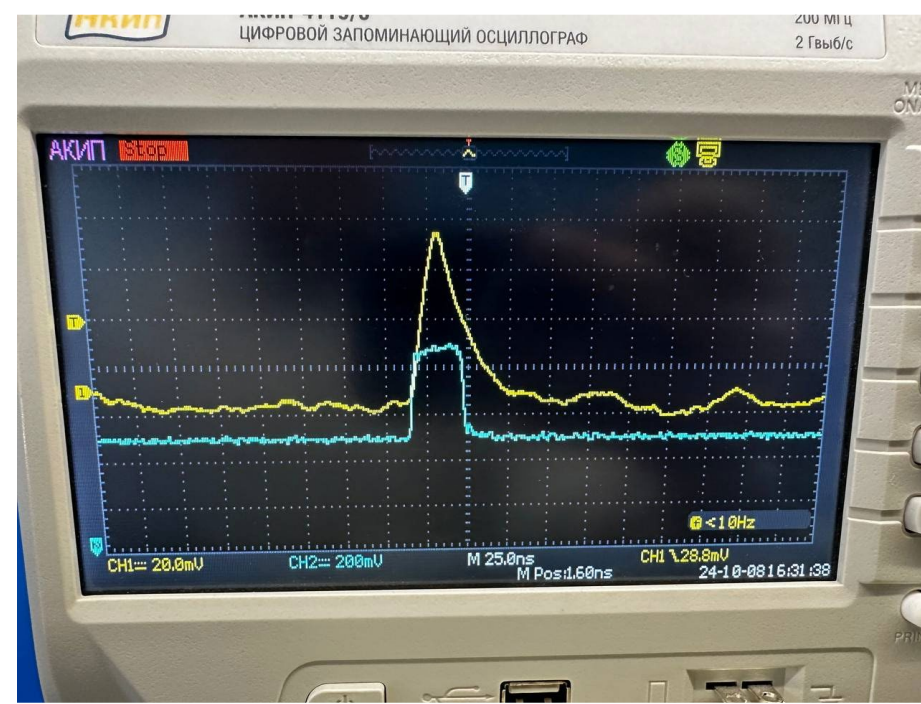
Scintillation module status

- Single-channel prototype
- Multi-channel PCB design
- Multi-channel mechanical design
- Multi-channel mechanical and PCB prototypes
- **Half-layer prototype**
- Full-scale prototype
- Full-scale completed layer



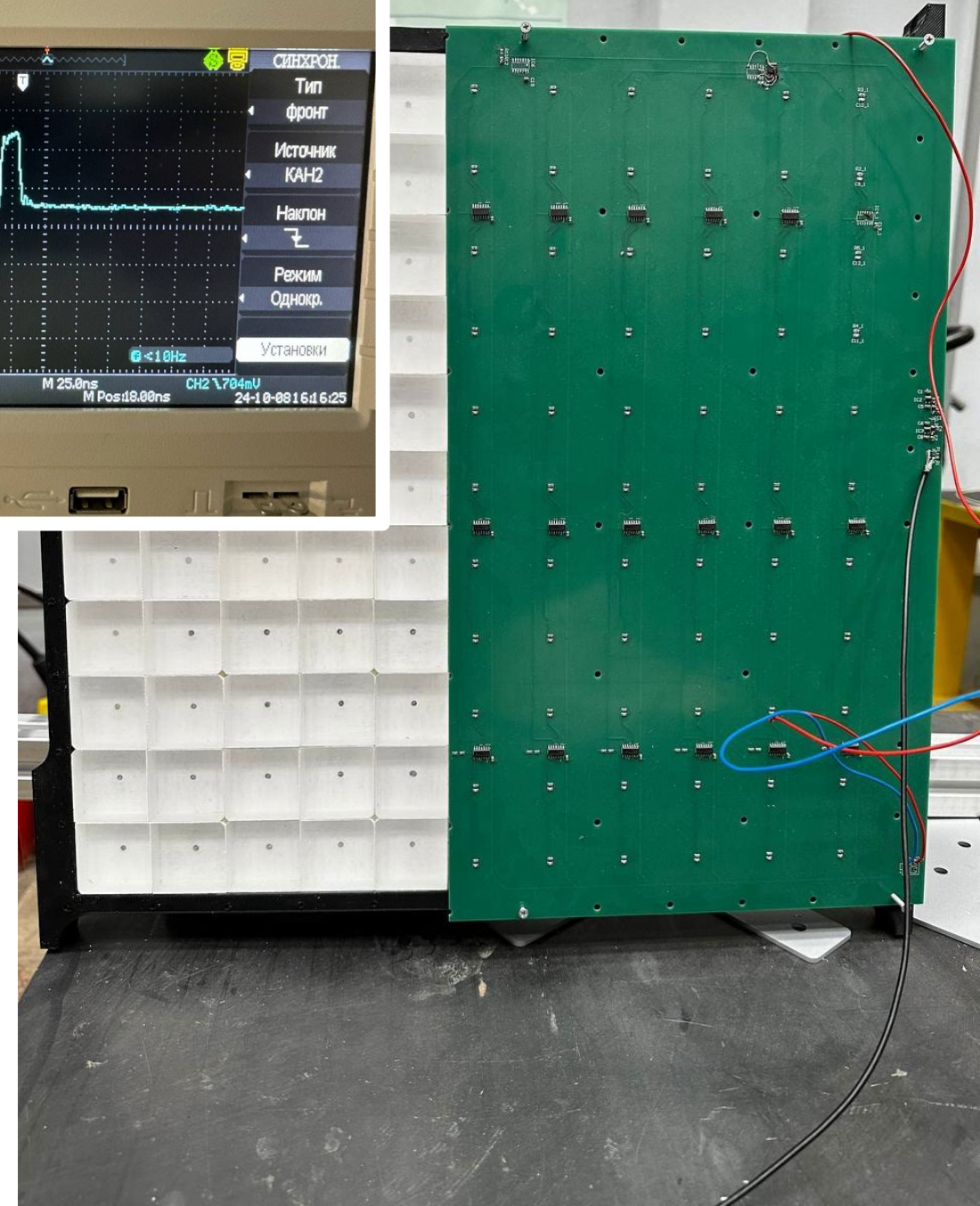
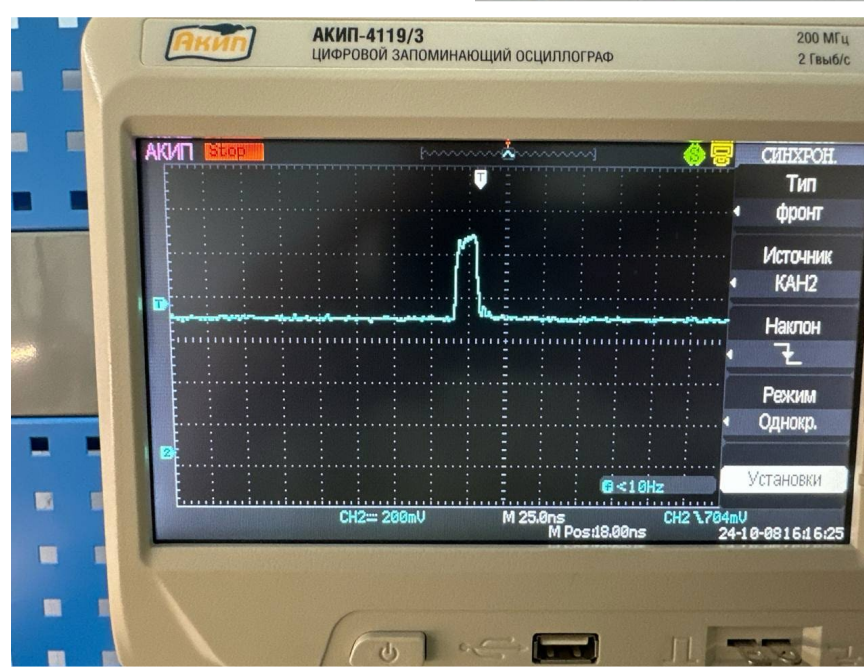
MPPC board

- Single-channel prototype
- Multi-channel PCB design
- **Full-scale prototype**
 - Single-channel test
 - Crosstalk test
 - Readout integration
- Full-scale completed PCB

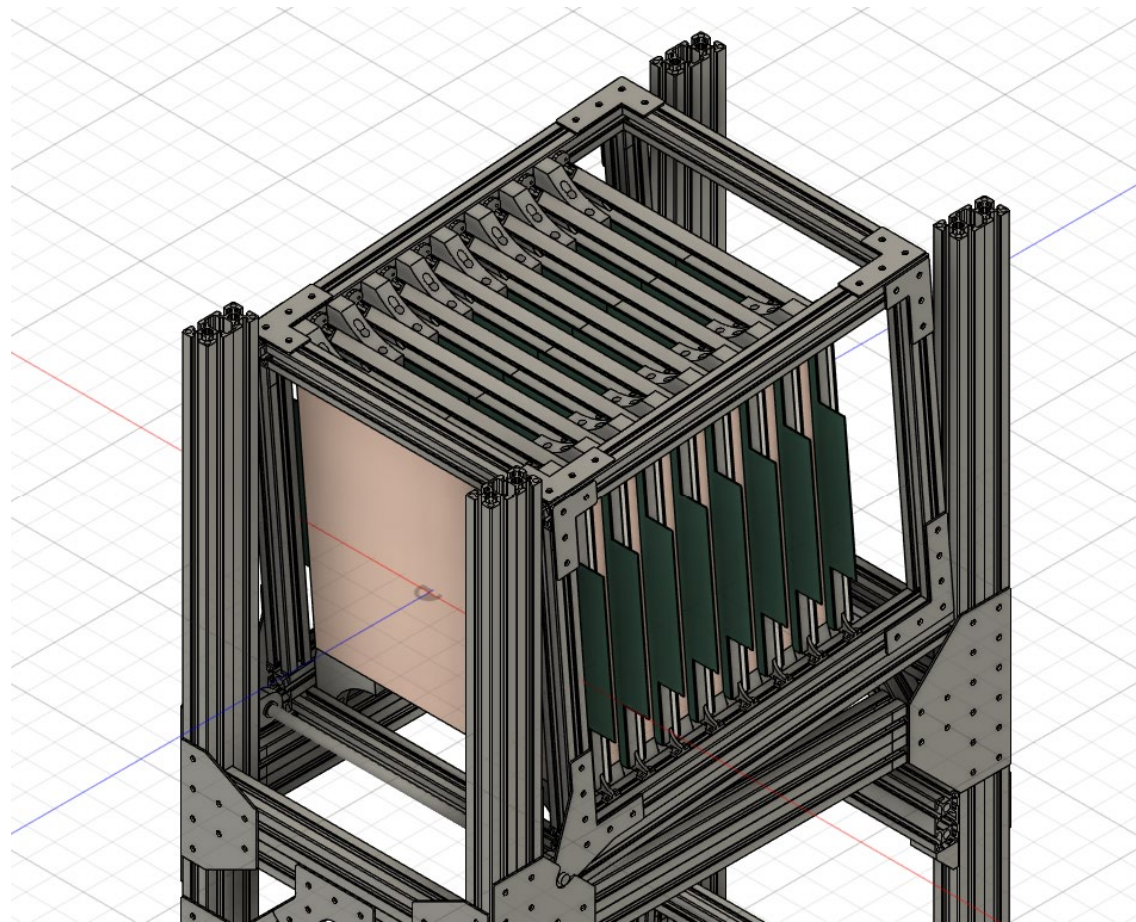


LED board

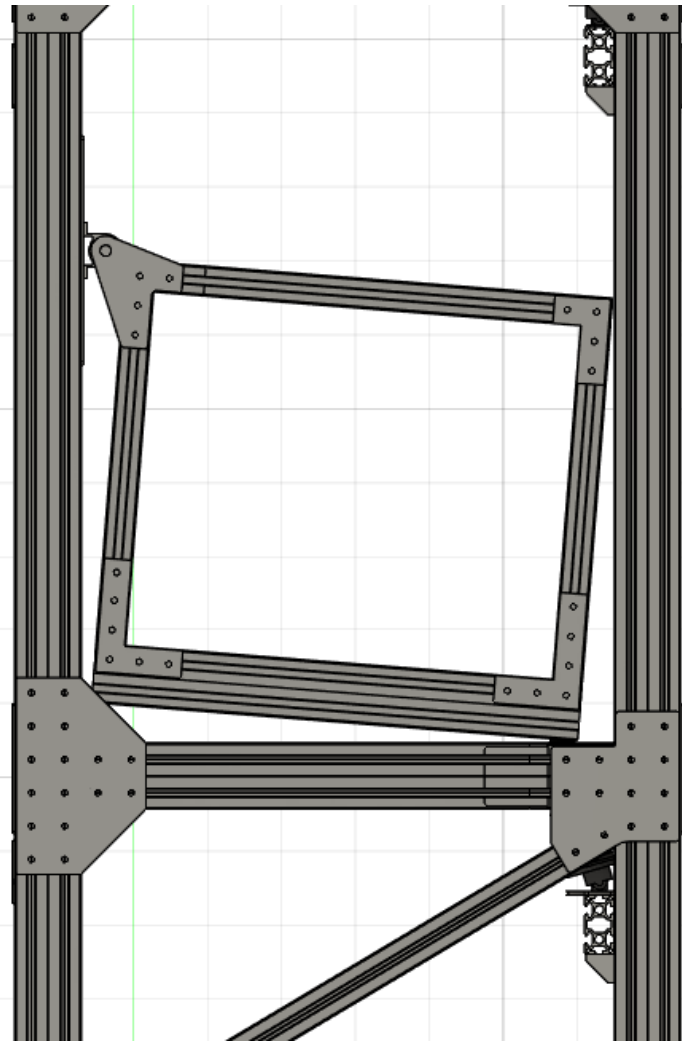
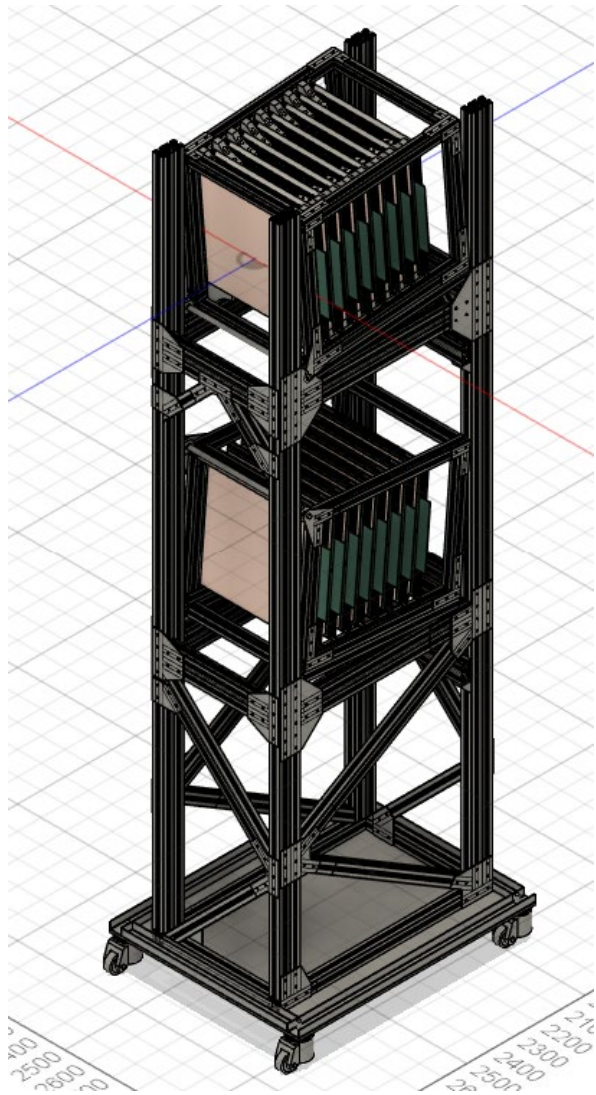
- Single-channel prototype
- Multi-channel PCB design
- **Full-scale prototype**
 - Single-channel test
 - Crosstalk test
 - Current loop test
 - Slow control integration
- Full-scale completed PCB



Mechanical construction - module



Mechanical construction - support



TODO items

- Mechanical construction completion
- Full-scale tests of the readout board
- Full-scale tests of the LED board
- Readout integration
- Slow control integration
- Full-scale readout tests
- LED+Readout PCBs and modules mass production – by the end of 2024