

Communications from Collaboration Board

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17/06/2021

RD51 collaboration meeting



News from Management Board

- **DLC – magnetron sputtering facility in the CERN MPT workshop**
 - (CERN–INFN collaboration agreement)
- **Electronics support for SRS components and VMM3a hybrids production**
- **2021 beam test campaign**
 - (2 periods in July and at the end of October)
- **Support for the software tools for gaseous detectors**
 - CB accepted to increase support for the software tools.
- **MPGD related events:**
 - 2021: ECFA detector R&D roadmap, RD51 mini-week, GD for PID , Gas transport parameters, FE Electronics for gaseous detectors workshops
 - 2022: 3rd workshop on the ageing of gaseous detectors
- **LHCC review** (1st of September 2021)
- **RD51 extension beyond 2023**

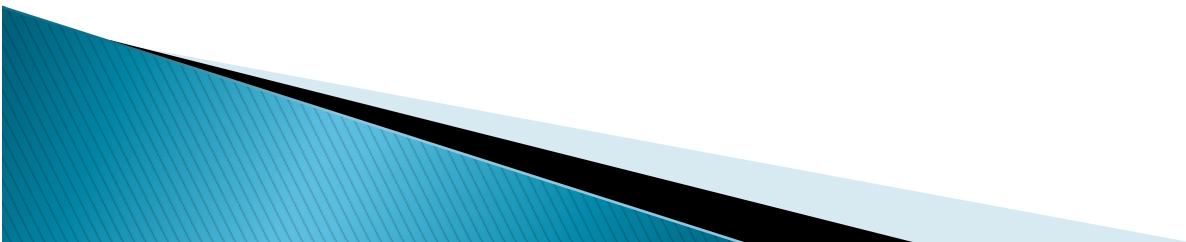
SRS VMM3a production/procurement

▶ Wafers production

- **15 wafers** for RD51 in 1st production (together with ATLAS)
 - 10 already used, hybrids produced and **distributed** (SRS Technology)
 - 5 will be used in the **incoming hybrids production** 2021/2022
- **7 new wafer** planned for RD51 in 2nd production (joint production with ESS,GSI,..)

▶ Procurement

- For everyone: **SRS Technology** (alex.rusu@srstechnology.ch)
- For groups with CERN Team Account / Budget Code: **CERN Store**
 - VMM3a (about 50) and DVMM (about 20) cards will be ordered in next production slot (2021/2022)
 - MiniCrate: tendering process ongoing (2022)

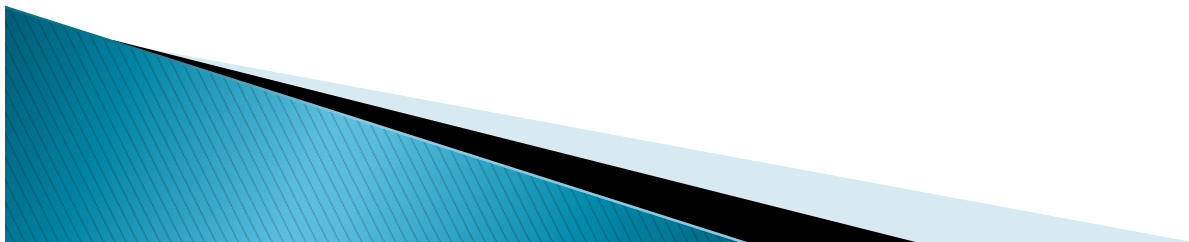


RD51 Test beam Infrastructure – New Tracker

- ▶ New tracker based on **new developments in RD51 community**
 - Detectors : high rate XY μ RWELL
 - Electronics: SRS/VMM3a
- ▶ Detectors:
 - **1st prototype** based on DCL collaboration studies for **October 2021** test beam.
 - **Full tracker** for 2022 RD51 test beams
- ▶ Electronics:
 - **Hardware delivered** (2048 channels, 16 VMM3a ASICs)
 - Tracking system development and commissioning (hardware, software). :
 - **July test beam: GEM based telescope reading**
 - Detector performances studies:
 - **October test beam** using GEM tracker and additional DUT (mRWELL, COMPASS++/AMBER GEM)

Y. Zhou presentation on Friday.

L. Scharenberg presentation on Friday



Call for New **Common Project** 2021

- ▶ RD51 is announcing a new call for 2-year Common Projects.
- ▶ The RD51 Common Project Funding is intended to support up to 50% of a project cost in the areas of common interest to the RD51 /MPGD community:
 - Technology R&D projects towards developments of novel techniques, improvements of existing technologies, characterization methods and dedicated tools;
 - Development and optimization of MPGDs for novel applications;
 - Improvement of the MPGD technology transfer to industry.
 - The minimum number of participating institutes in the common project is 3, and at least 3 institutes should be regular member of RD51 collaboration. The contribution from the RD51 fund supports for the regular member of RD51 ;
 - The maximum contribution from the RD51 common fund per institute is 5000 CHF per calendar year;
 - The maximum contribution from the RD51 common fund per project is 15000 CHF per calendar year.
- ▶ Application form will be distributed soon.
- ▶ Deadline of the application is **31th July.**

RD51 Elections 2021

- ▶ **To be elected**
 - Chair of Collaboration Board
 - Deputy Chair of Collaboration Board
 - 2 Spokespersons
- ▶ **Mandate from 01.01.2022 to 31.12.2023**
- ▶ **Time schedule**
 - Nominate candidates by end of July
 - Elections in September / October
 - Announce results in November (CB)

MPGD 2021 November 14–19

@ Weizmann institute (Israel)

<http://www.weizmann.ac.il/conferences/MPGD2021/>



The 7th International Conference on
**Micro Pattern Gaseous
Detectors 2021**

Weizmann Institute of Science, Rehovot, Israel

November
14-19, 2021

Accessibility

HOME

PROGRAM

SPEAKERS

REGISTRATION

ORGANIZING

The 7th International Conference on Micro Pattern Gaseous Detectors, MPGD21, takes place between November 14th and November 19th 2021 in the Weizmann Institute Of Science, Rehovot, Israel.

The scientific program addresses new developments in :

- MPGDs

- Detector physics

REGISTRATION >

Sponsors

The conference receives support from RD51 at CERN.

MPGD 2021 November 14–19

- ▶ Hybrid type conference (In person + online)
- ▶ Timeline
 - June 20: update poster and webpage
 - Open abstract submission and registration (no fee charging, yet)
 - June 21: send notifications to RD51 mailing list, attendee of MPGD19, collaborations
 - August 15: deadline of abstract submission
- ▶ Next RD51 Collaboration meeting will be held in same time