

# Communications from Collaboration Board

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RD51 collaboration meeting

# New member from Occidental Colledge

- ▶ The collaboration board approved new membership application from Occidental Colledge.
- ▶ **Welcome to RD51 !!**

## 20 years of Dark Matter Research at Oxy



The Drift-IId detector - Dan Snowden-Ifft

- WIMP research using a TPC
- CS<sub>2</sub> electronegative gas at 40 Torr
- Negative Ion Drift, speed ~ 60 m/s
- Low diffusion
- 1 Central cathode and 2 MWPCs
- MWPC with gas gain of ~ 750
- 50 cm drift length
- Using discrete Cremat electronics
- 36 channels total, grouped signals
- Noise > 2000e<sup>-</sup> per channel
- E ~ 60kV/m
- Shaping time = 4μs

## Next

- Debug un-triggered channels
- Optimize data rate
- Take data with the existing (V0) square GEM detector
- Take data with future (V1) circular detector
- Upgrade to μ-ROC (Hans Muller) when available
- Acquire more VMM3a boards from SRS-Technology

Thanks to RD51, Hans, Doro, Alexandru and Rui

# Call for New CP from 2022

- ▶ RD51 is announcing a new call for 2-year Common Projects.
- ▶ The RD51 Common Project Funding is intended to support cost in the areas of common interest to the RD51 /MPGD community:
  - Each participating institute should provide a list of internal financial resources (grants, institute financing ... etc.) to complement RD51 Common fund contribution. The internal financial resources will stay within the participating institutes. (50% rule is omitted)
  - 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 10000 CHF per calendar year;
  - The maximum contribution from the RD51 common fund per project is 20000 CHF per calendar year.
  - During the period between the start and the end of the Common Project, the project representative or proponent must present the progress and results of the research at the RD51 collaboration meetings held twice a year.
- ▶ Details are shown in Application form to be distribute.
- ▶ Deadline of the application is 31<sup>th</sup> July.

# ECFA detector R&D roadmap implementation

## RD51 Collaboration extension 2023

- ▶ RD51 approved and MoU signed till the end of 2023
  - – we are forced to ask for the extension/approval
- ▶ Integration into ECFA R&D roadmap
  
- ▶ Those are discussed in today full-day session

# RD51 management elections

- ▶ **To be elected**
  - Chair of Collaboration Board
  - Deputy Chair of Collaboration Board
  - 2 Spokespersons
- ▶ **Mandate from 01.01.2023 to 31.12.2024**
- ▶ **Nomination of candidates**
  - **Ask ALL RD51 members to nominate candidates**
  - Candidate can only opt for one single function
- ▶ **Time table**

|                      |                                                 |
|----------------------|-------------------------------------------------|
| ◦ List of candidates | mid September                                   |
| ◦ Elections          | October to mid November<br>by electronic voting |
| ◦ Results            | at MPGD-2022                                    |

# A.O.B

## ▶ Forthcoming meetings

### ◦ MPGD 2022

- December 11–26 @ Weizmann Institute of Science
- Next RD51 Collaboration meeting will be held there
- Abstract deadline **10th September**.
- <https://www.weizmann.ac.il/conferences/MPGD2022/>

### ◦ RPC 2022

- September 26–30 @ CERN
- Abstract deadline **1<sup>st</sup> July**
- <https://indico.cern.ch/event/1123140/>

# A.O.B