

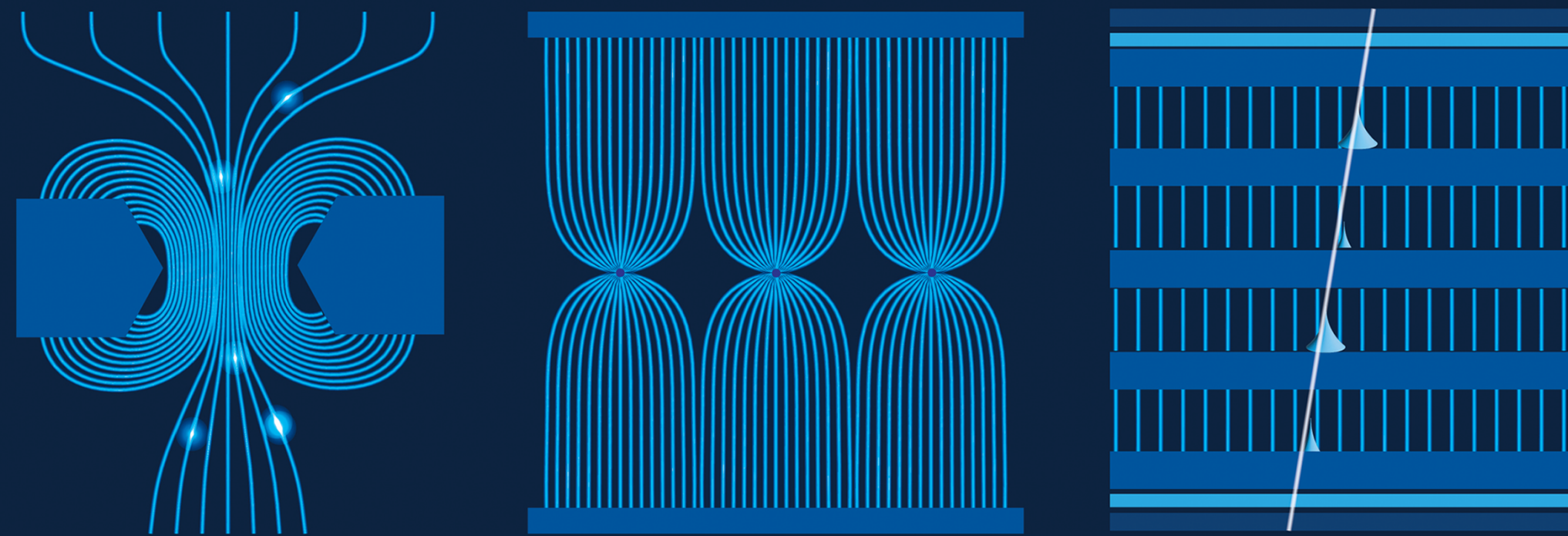
DRD1

Gaseous Detectors

School

CERN

November 27 - December 6, 2024



Scientific program

- Gaseous detector physics
- Gaseous detector technologies
- Readout technologies
- Simulation, modelling and reconstruction
- Manufacturing techniques
- Applications of gaseous detectors

The school consists of academic lectures and hands-on laboratory exercises.

The lecture program will cover MPGD, (M)RPC and wire-based detector technologies.

Lecture sessions are open to the community and can be followed in-person or by remote connection.

School website and registration

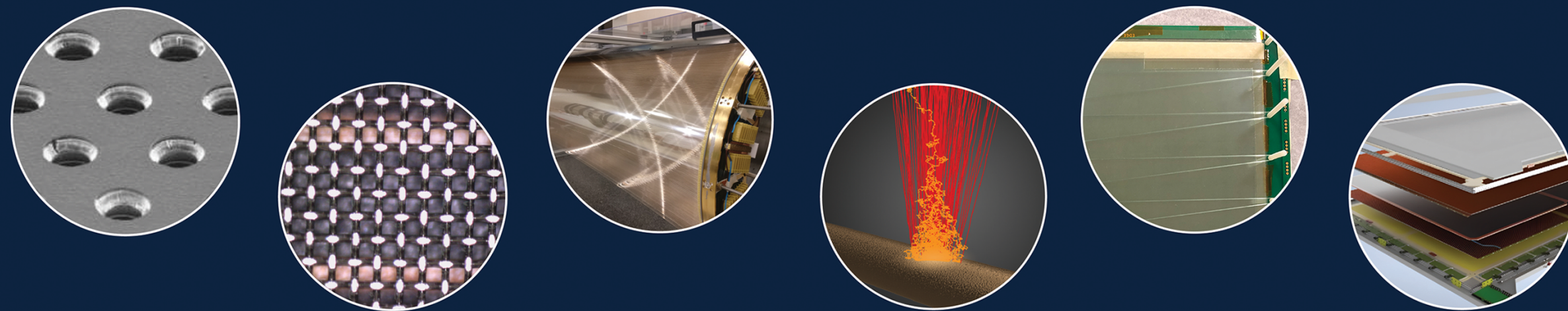
<https://indico.cern.ch/e/drd1school2024>

Application deadline: July 31, 2024

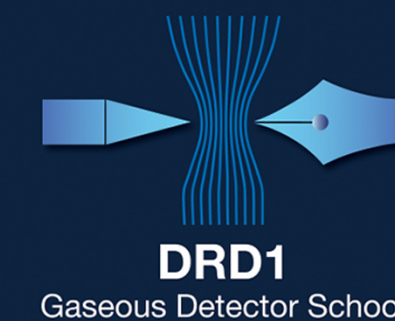
Free registration for students.

Students are invited to present a poster in a dedicated session.

Contact: drd1-school@cern.ch



DRD1



Social events



Open for all to join

Sun, Dec 1 - 10-18h - Day trip by bus to Annecy with stop on Saleve

Meeting point in front of building 154 (lab location) at 9:45am

Leave Annecy at 17h to return to CERN \approx 18h

Please sign up on any of the sheets outside the lecture room today or tomorrow during coffee break of after lectures

Visit program

Visits to Synchrocyclotron, ATLAS visitor centre and Antiproton decelerator are organised

Places limited and no further places available

Grouping given on practical information sheet

Tomorrow, Saturday, Nov 30, 2024

Meeting points:

Visit group 1 and Visit group 2 at [Building 154](#) (lab location): 8:30am

Visit group 3 in front of [Science Gateway](#): 8:30am

Student presentations



Students are invited to give a presentations during WG8 session of DRD1 Collaboration Meeting (<https://indico.cern.ch/event/1442324/>) on Friday, Dec 13

Content

Presentation should explain the setup and experimental methods of one of the lab exercises
Can contain results obtained during the exercise as well as additional analysis performed.
Some open questions and further analysis are given in the lab book.

Each group can present one lab exercise during the meeting

Take pictures, notes, measurements.

**Tomorrow Saturday, Nov 30: Meeting at Building 154 (lab location) after visits (\approx 11am)
for working in lab groups**

Lectures

Time for questions after all lectures

If lecturer agrees also during lectures

From Zoom: please raise hand and wait to be called

Q&A session: optional, time for additional questions after morning lectures

Lectures may be recorded and made available to registered participants

Q&A after lectures will not be recorded

Recordings from yesterday are online, attached to talks as material

Coffee breaks upstairs (behind cafeteria) at 11:00

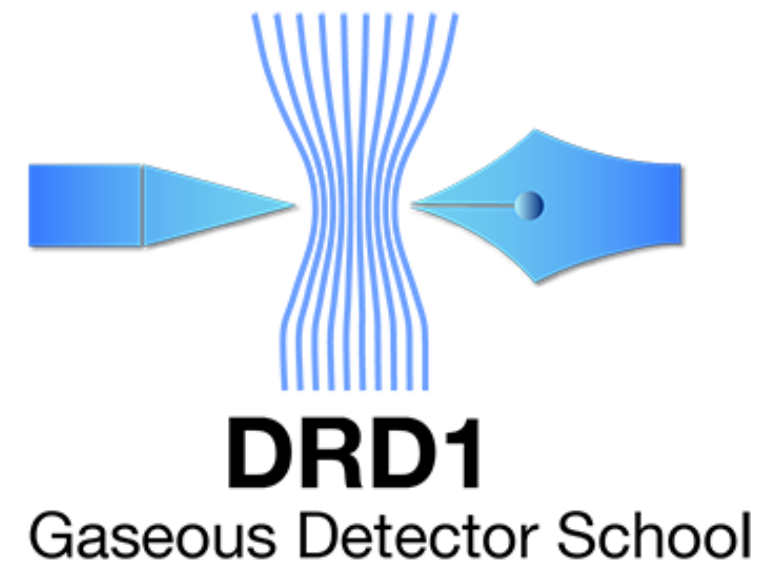
Please be on time to restart at 11:30

Monday, Dec 2 - same building, different room: 40/S2-A01 Salle Anderson



Lectures

	Information 40/S2-C01 - Salle Curie, CERN	08:55 - 09:00
09:00	Signal induction 40/S2-C01 - Salle Curie, CERN	Werner Riegler 09:00 - 10:00
10:00	Data analysis and reconstruction 40/S2-C01 - Salle Curie, CERN	Theodoros Alexopoulos 10:00 - 11:00
11:00	Coffee break 40/S2-C01 - Salle Curie, CERN	11:00 - 11:30
12:00	Gas properties and mixtures 40/S2-C01 - Salle Curie, CERN	Marcello Abbrescia 11:30 - 12:30
	Gas Systems 40/S2-C01 - Salle Curie, CERN	Roberto Guida 12:30 - 13:00
13:00	Q&A Session (optional) 40/S2-C01 - Salle Curie, CERN	13:00 - 13:15



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