



2nd DRD3 Week: Introduction to WG5 session – Characterization techniques, facilities

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2nd DRD3 Week (CERN)
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WG5 activity & news

DRD3

- WG5 web page: <https://drd3.web.cern.ch/wg5>
- Mattermost channel: <https://mattermost.web.cern.ch/drd3/channels/wg5-general>

- Request for CERN-SPS test beam time in 2025 for DRD3
 - Requested 2 x 14 days (Schedule will be published in Feb/Mar 2025)
 - Intended for WG2 & WG6 activities (3D, LGAD, SiC, Diamond)
 - SPS has asked us to appoint a single-contact person for all DRD3 test beam request (to be discussed later)

- Organization of TCT School for PhD students/postdocs
 - 2.5 day program with lectures and 3 hands-on labs
 - Will be held at CERN in Spring 2025 (date still to be confirmed)
 - Status report at CB meeting today before informing the full DRD3 collaboration

- Common project for equipping test beam areas shaping up (see today's presentations V. Gkougkousis from C. Mariñas in today's agenda)



Agenda for today

	Status and plan of testbeam line at KEK 500/1-001 - Main Auditorium, CERN	<i>Yuji Enari</i> 11:40 - 12:00
12:00	EURO-LABS Oportunities for DRD3 500/1-001 - Main Auditorium, CERN	<i>Prof. Marko Mikuz</i> 12:00 - 12:20
	Lunch Break 500/1-001 - Main Auditorium, CERN	12:20 - 13:20
13:00	SPS test-beam infrastructure extension for low temperature, fast triggering applications 500/1-001 - Main Auditorium, CERN	<i>Dr Vagelis Gkougkousis</i> 13:20 - 13:40
	Fluence profiling at JSI TRIGA reactor irradiation facility 500/1-001 - Main Auditorium, CERN	<i>Igor Mandic et al.</i> 13:40 - 14:00
14:00	Study of advanced detectors for future accelerator facilities with ion beam microscopy 500/1-001 - Main Auditorium, CERN	<i>Dr Georgios Provas</i> 14:00 - 14:20
	Constellation - a flexible DAQ and control system for lab setups & test beams 500/1-001 - Main Auditorium, CERN	<i>Simon Spannagel</i> 14:20 - 14:40
	Integrating Track Lab with Constellation for distributed DAQ of Timepix3 and Timepix4 detector networks. 500/1-001 - Main Auditorium, CERN	<i>Mr Petr Manek</i> 14:40 - 15:00
15:00	Coffee Break 500/1-001 - Main Auditorium, CERN	15:00 - 15:30
	Characterisation of fast sensors at the Timepix4 Telescope 500/1-001 - Main Auditorium, CERN	<i>Dr Kevin Heijhoff</i> 15:30 - 15:50
	First Demonstration of the Three-Photon Absorption Transient Current Technique (3PA-TCT) in SiC p-in-n Diodes Dr Ivan Vila Alvarez	
16:00	Development of next generation particle beam telescope using OBELIX chips 500/1-001 - Main Auditorium, CERN	<i>Carlos Marinas Pardo</i> 16:00 - 16:10
	WG5 - Discussion 500/1-001 - Main Auditorium, CERN	16:10 - 16:40