Welcome to the Second

User Workshop

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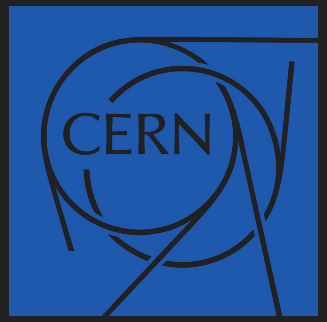
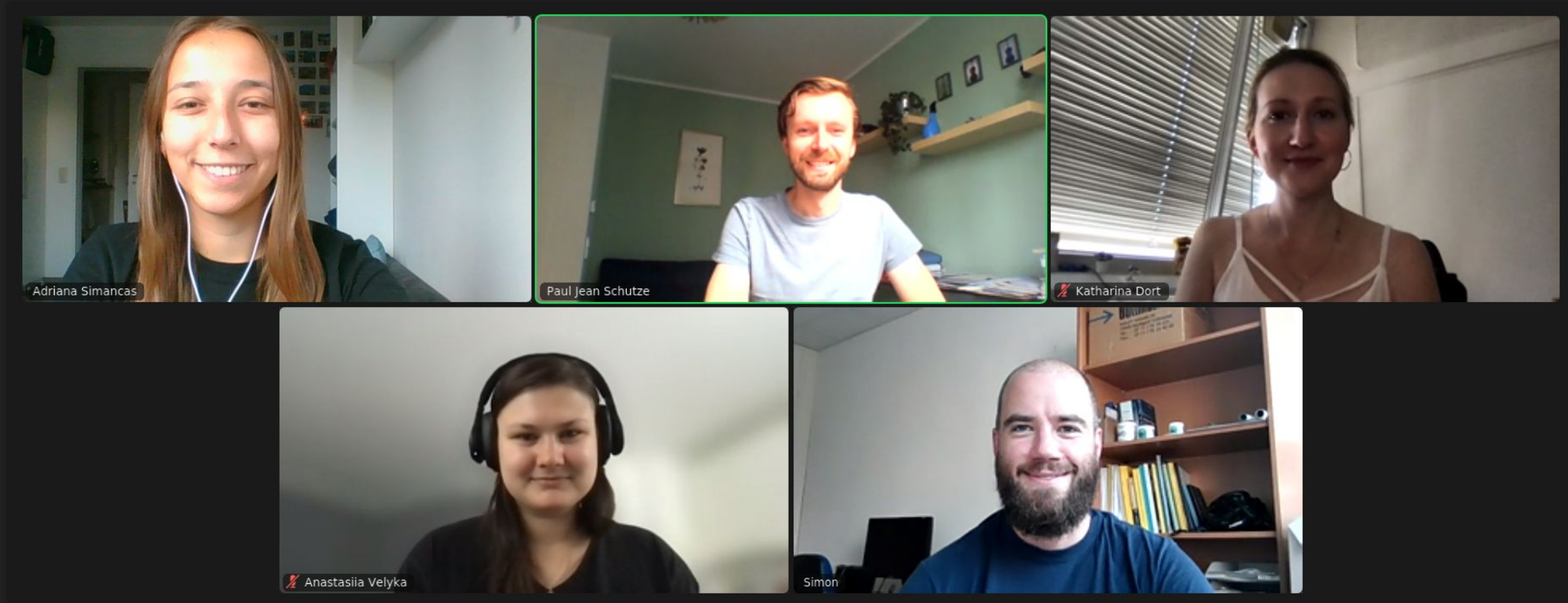
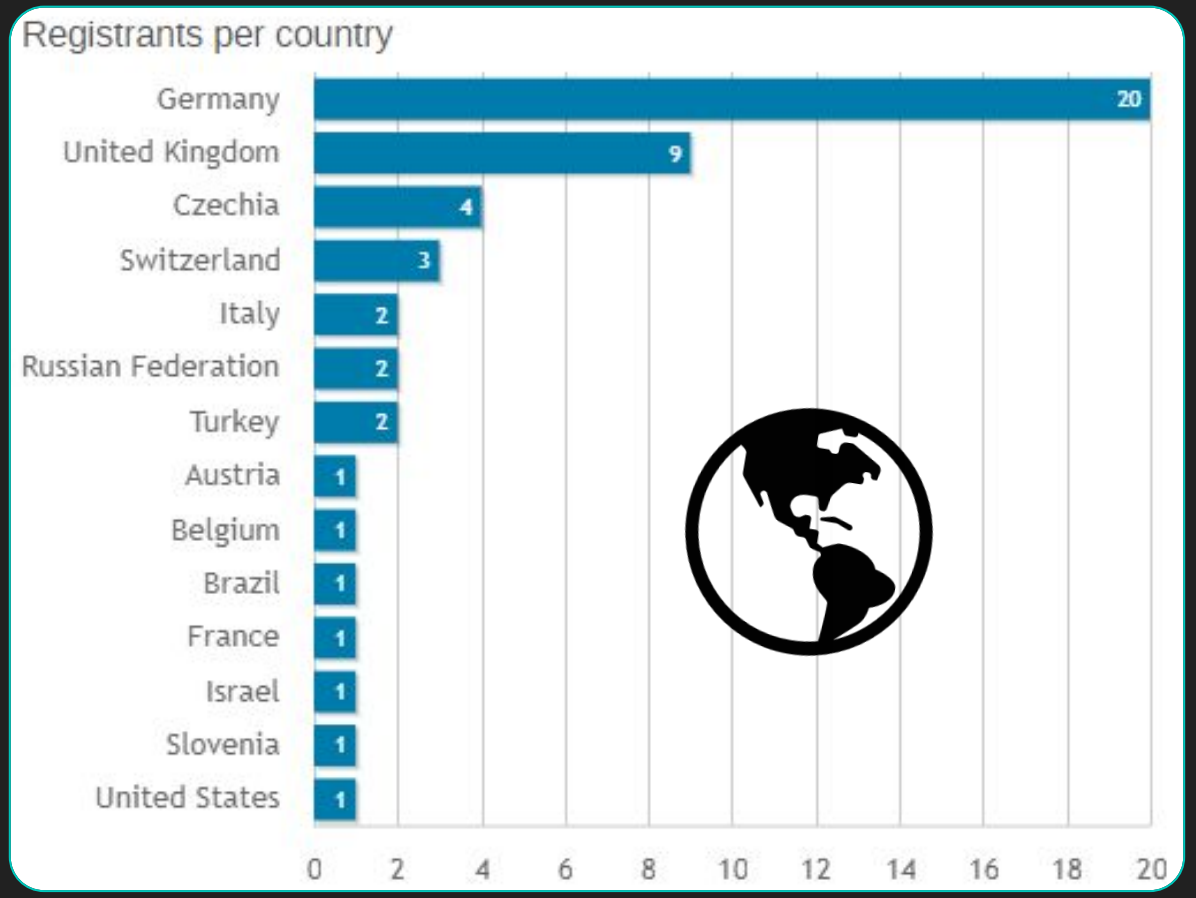


Organizing Committee



Reaching many corners!

- 60 participants
- 14 countries
- 23 contributions



Tuesday 17th: Overview Talks

14:00	**Welcome from the Workshop Organisers**	*Adriana Simancas et al.* 14:00 - 14:20
	Applications of the Medipix and Timepix ASICs	*Michael Campbell* 14:20 - 15:00
15:00		
	Allpix Squared 2.0 - An Overview	*Simon Spannagel* 15:30 - 16:00
16:00	**CSADigitizer: A Krummenacher Digitizer Module for Allpix Squared**	*Annika Vauth* 16:00 - 16:20
	The Multithreading Model in Allpix Squared	*Koen Wolters* 16:20 - 16:40
	Allpix Squared in Education & Outreach	*Paul Schütze* 16:40 - 17:00
17:00		

Wednesday 18th: User Applications & Studies

13:00	Allpix2 simulations of the ELAD sensors.	*Anastasiia Velyka* 13:00 - 13:20
	Performance of Allpix Squared with regard to the usage in proton therapy	*Christopher Krause* 13:20 - 13:40
	Detection efficiency simulations of the ATLAS-TPX detector	*Dr Thomas Billoud* 13:40 - 14:00
14:00	Sensor-level simulation of MAPS ECal test-beam data	*Tim Sebastian Rogoschinski* 14:00 - 14:20
	Use of Allpix Squared in the LUXE experiment: Digitizing the Hits of the Tracker Sub-detector	*Arka Santra* 14:20 - 14:40
	Transient simulations of monolithic small collection diode CMOS sensors in Allpix Squared	*Katharina Dort* 14:40 - 15:00
15:00		
	Simulation of charge carrier transport in a dual-sided microstructured semiconductor neutron detector (DSMSND) *Sanchit Sharma*	
	Studies of anti-proton annihilation at rest with nuclei using Timepix3	*Giovanni Costantini* 15:50 - 16:10
16:00	Machine learning-based generative modeling and Allpix Squared: user experiments	*Thomas Chen* 16:10 - 16:30
	Simulating hexagonal pixel cells in Allpix Squared	*Ryuji Moriya* 16:30 - 16:50

Thursday 19th: New Features & Discussion

13:00	Simulation tools for radiation detectors before and after irradiation	*Joern Schwandt* 13:00 - 13:20
	Modeling of charge trapping after radiation damage in Allpix Squared	*Jory Sonneveld* 13:20 - 13:40
	Digitizer plug-in for Krummenacher CSA	*Pinelopi Christodoulou* 13:40 - 14:00
14:00	Simulations of ATLAS ITk strip detectors in Allpix-Squared	*Radek Privara* 14:00 - 14:20
	Allpix Squared Simulations of Multi-element Germanium Detectors for Synchrotron Applications	*Tasneem SALEEM* 14:20 - 14:40
	Collaborative Coding for Scientific Software	*Simon Spannagel* 14:40 - 15:00
15:00		

	Discussion & Open Questions	*Paul Schütze, Simon Spannagel* 15:30 - 17:00
16:00		
17:00		

Not everything is simulations…

Coffee Breaks

DESY Virtual Tour

Wednesday at 17:00 CEST

For the Speakers

- Please, upload the slides of your presentation before the start of your session
- Stick to the talk's duration: 17 min + 3 min of discussions
- The chairperson of the session will do an annotation over your slides when you have 3 and 1 minute left

Links & Contact

- Indico: https://indico.cern.ch/event/1043567/
- Timetable: https://indico.cern.ch/event/1043567/timetable/#20210817
- Videoconference details: https://indico.cern.ch/event/1043567/videoconference/
- Email: allpix-squared-workshop@cern.ch

Wish you a very productive workshop!