



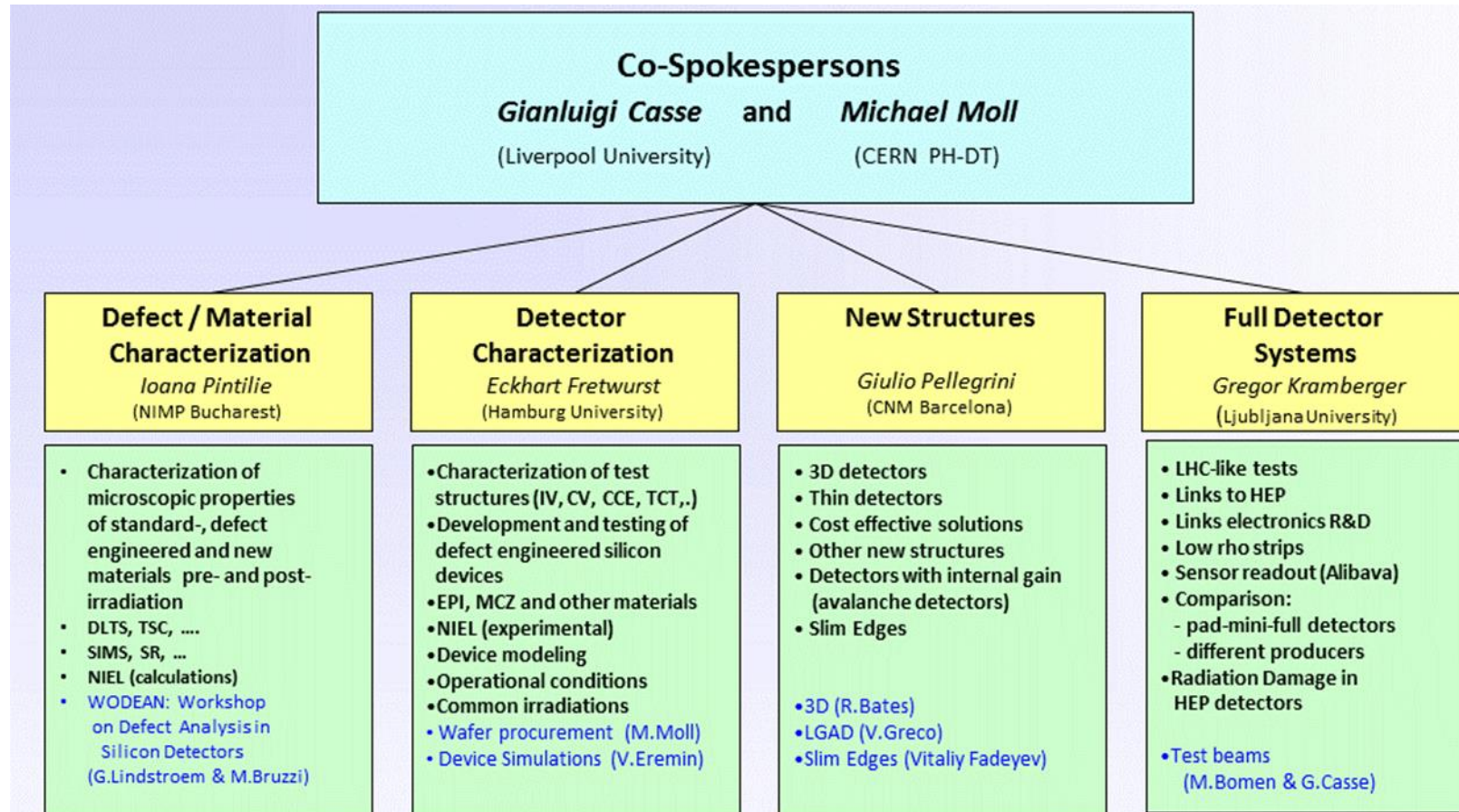
# 41st RD50 Workshop

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*SEVILLE, SPAIN*

*NOVEMBER 29, 2022 TO DECEMBER 2, 2022*

# RD50 – Radiation hard semiconductor devices for very high luminosity colliders



# The RD50 collaboration

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RD50 : 66 institutes and 430 members

24 countries:

Austria, Belarus, Czech Republic, Finland, France, Germany, Greece, Italy, Croatia, Lithuania, Montenegro, Netherlands, Poland, Romania, Russia, Slovenia, Spain, Switzerland, United Kingdom, Canada, USA, China, India, Israel.



# Program : 41st Workshop

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## **DAY1 - Tuesday 29.11.2022.**

- *Welcome*
- 13 talks + discussion
- *Visit to the National Accelerator Center Facilities (CNA) simultaneous with CB*

## **DAY2 - Wednesday 30.11.2022.**

- 15 talks + 3 discussions
- **Ivona Božović-talk**
- *Evening: Tourist Visit to the Magallanes/Elcano Historical Sites*

# Program : 41st Workshop

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## **DAY3 - Thursday 1.12.2022.**

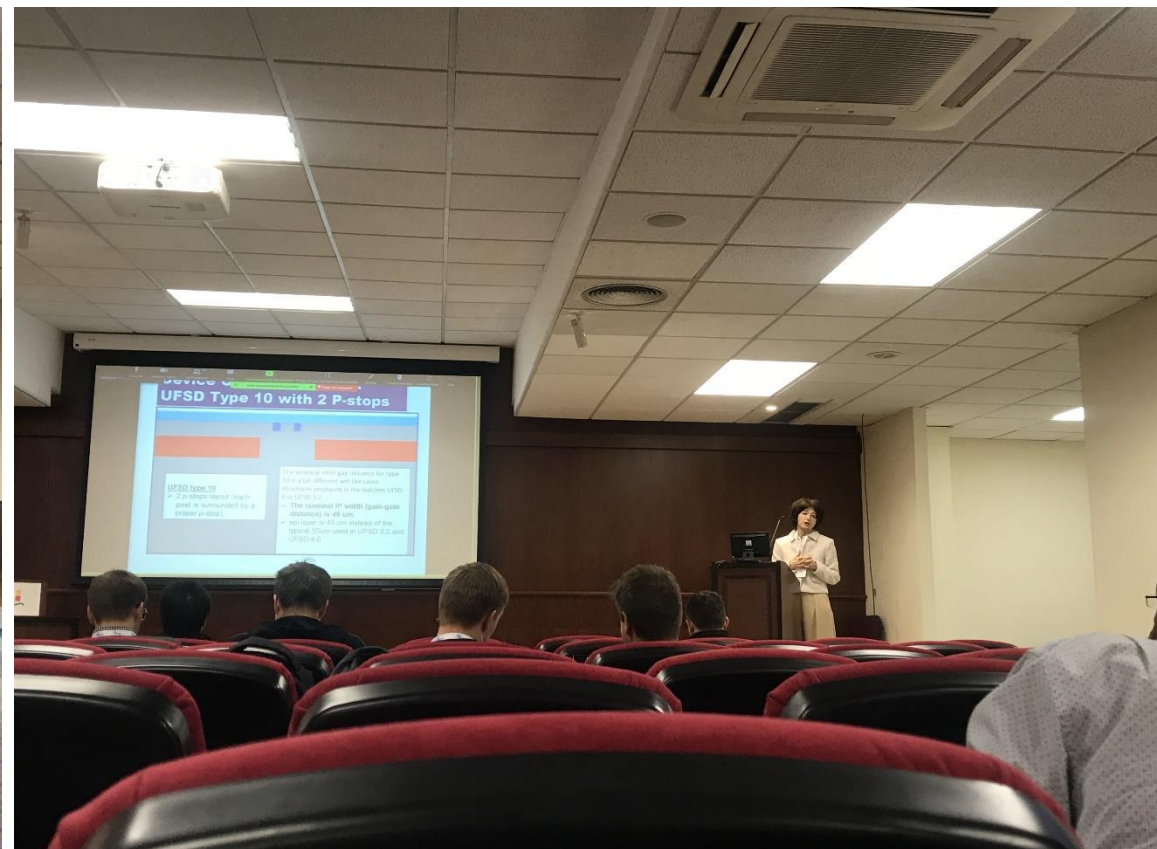
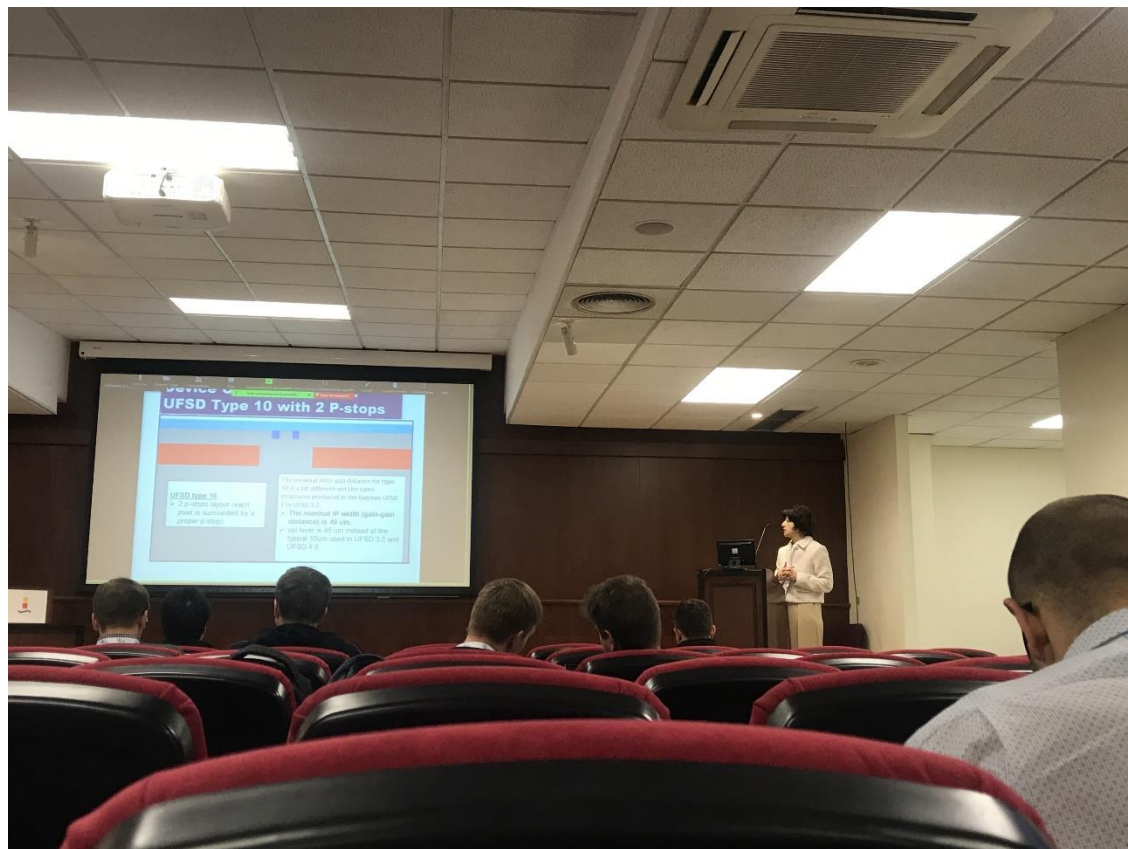
- 18 talks + discussion
- **Gordana Lastovička-Medin talk + discussion**
- **Jovana Doknić talk**
- **Vanja Backović talk**
- *Evening: Workshop Dinner*

## **DAY4 - Friday 2.12.2022.**

- 8 talks + discussion
- *End of Workshop*

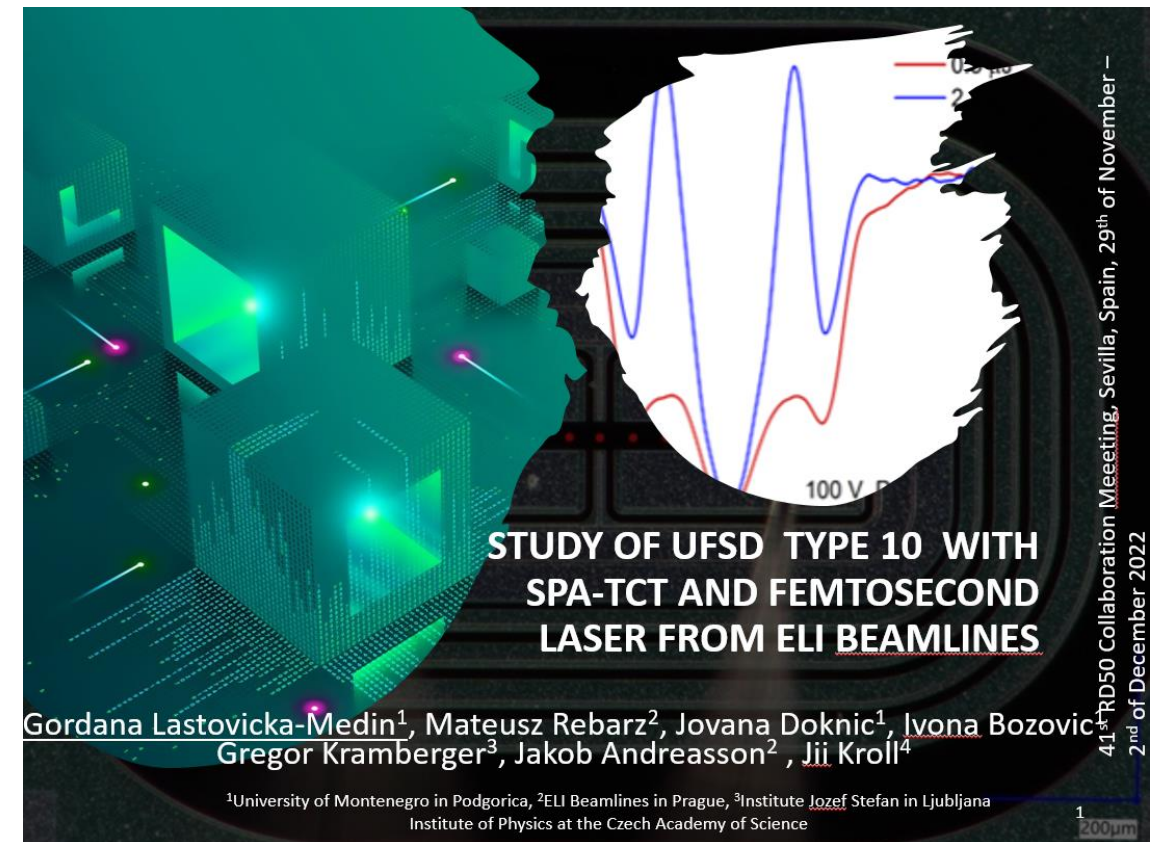


# Gordana Lastovicka MEDIN - Talk



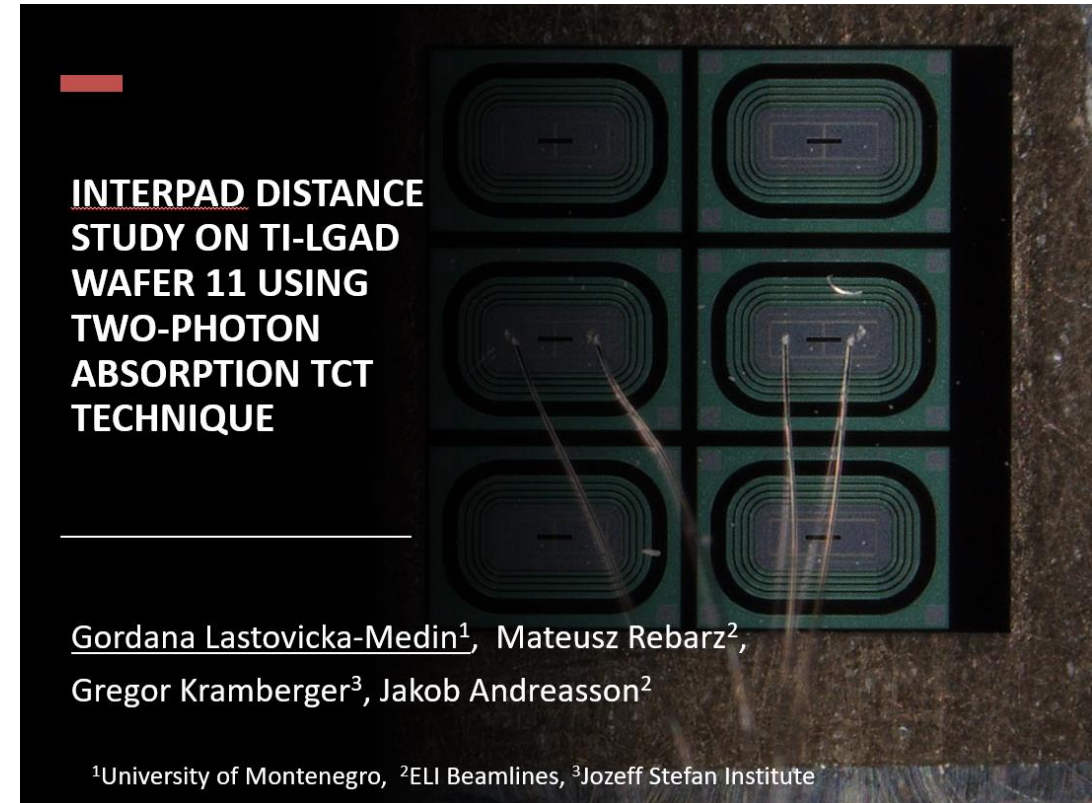
# Study of UFSD Type 10 with SPA-TCT and femtosecond laser from ELI Beamlines

- Study of 2 P-stop layout of standard segmented LGAD with decreased gain to gain distance using TCT-Single Photon Absorption with microscopic resolution enabled by femtosecond laser from ELI Beamlines: Case study of LGAD Type 10.
- [https://indico.cern.ch/event/1132520/contributions/5149698/attachments/2557996/4408362/IP\\_studies\\_UFSD\\_Type10\\_fslaser-SPA\\_GM.pptx](https://indico.cern.ch/event/1132520/contributions/5149698/attachments/2557996/4408362/IP_studies_UFSD_Type10_fslaser-SPA_GM.pptx)



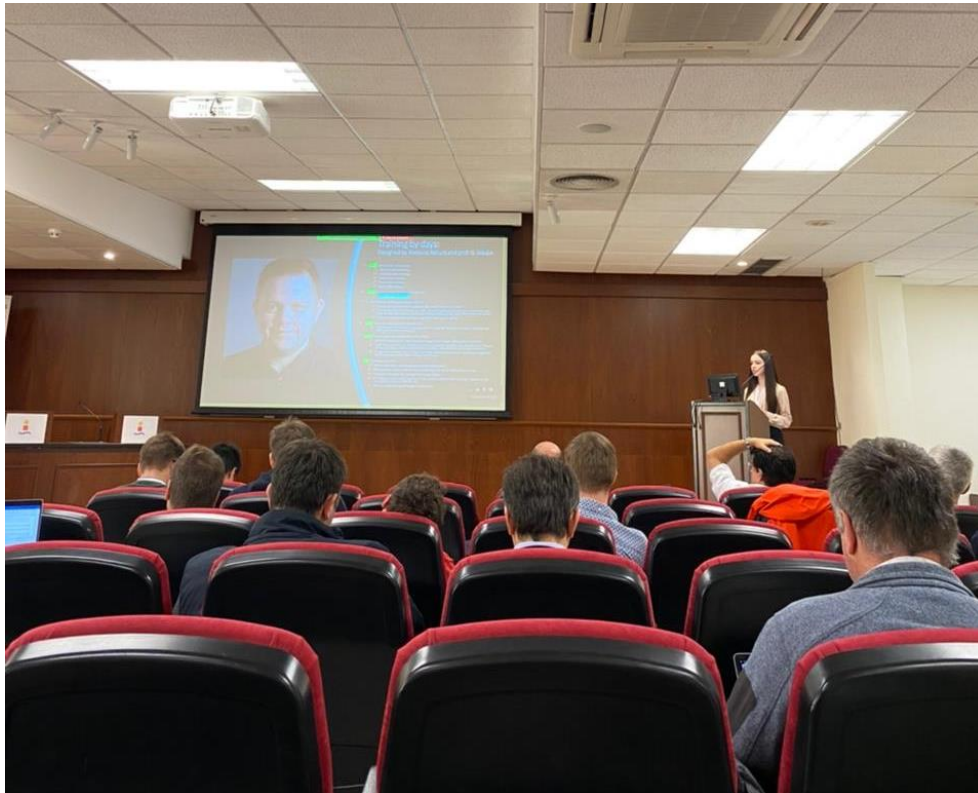
# Interpad distance study on TI-LGAD Wafer 11, using Two-Photon Absorption-TCT technique

- Interpad distance study on TI-LGAD Wafer 11, using Two-Photon Absorption-TCT technique
- <https://indico.cern.ch/event/1132520/contributions/5157850/attachments/2558051/4408457/IP%20studies%20on%20W11%20A1%20and%20W11A2%20trenched%20LGADs.pptx>





# Ivona BOZOVIC-Talk



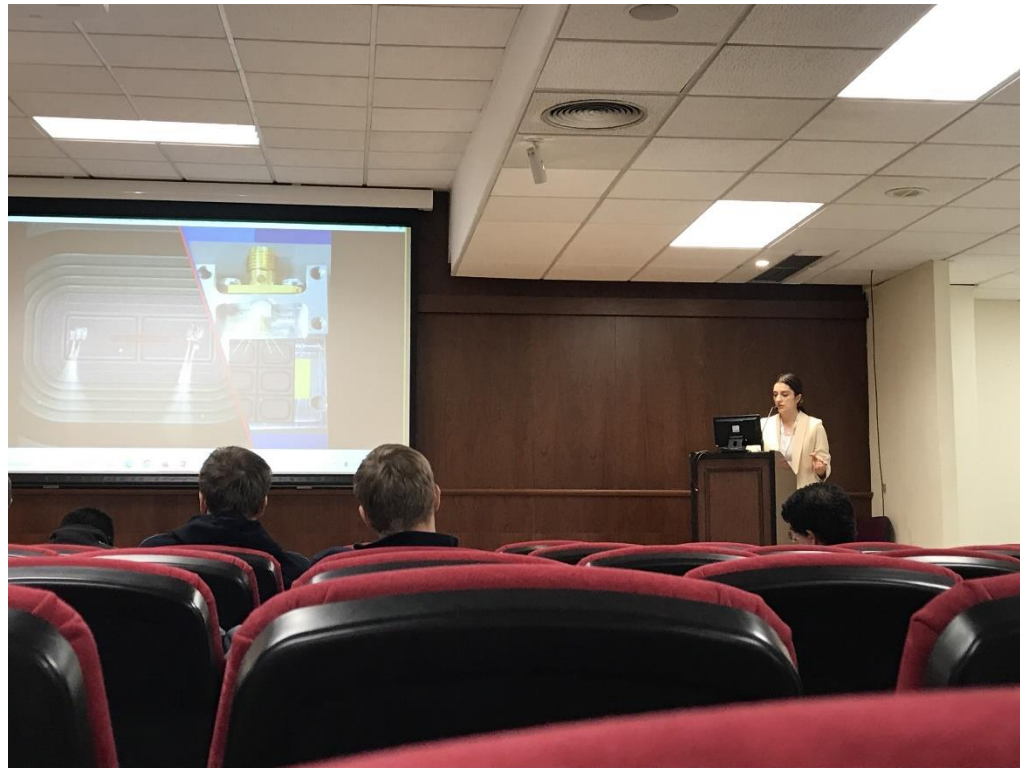
# Training in instrumentation at the JSI and ELI Beamlines

- **Utilisation of EU research infrastructures for Early-Career Researchers on Training in Instrumentation: Case study of Montenegro RD50 team**
- <https://indico.cern.ch/event/1132520/contributions/5149944/attachments/2556967/4406453/Training%20JSI%20AND%20ELI.pdf>



# Jovana DOKNIC - Talk

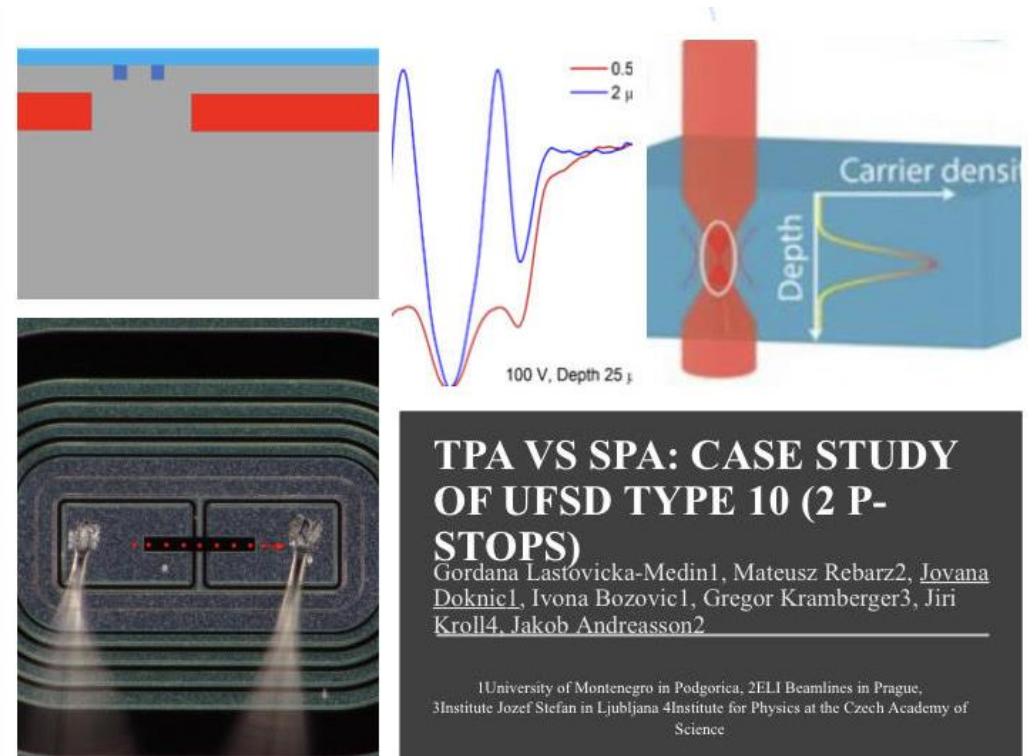
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# TPA VS SPA: Case of study of UFSD type 10 (2 P-stops)

- **Two Photon Absorption Technique of Transient Current vs Femtosecond Laser based TCT -Single Photon Absorption in the context of the study of LGAD's processing parameters: Case study of segmented LGADs**
- [https://indico.cern.ch/event/1132520/contributions/5149949/attachments/2558047/4408463/TPA\\_vs\\_SPA\\_IP\\_UFSD\\_Type10\\_GM.pptx](https://indico.cern.ch/event/1132520/contributions/5149949/attachments/2558047/4408463/TPA_vs_SPA_IP_UFSD_Type10_GM.pptx)



# Vanja BACKOVIC-Talk

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# Impact of Density of Injected Carriers to Signal Formation at Central and Periphery Region of LGAD using fs-laser from ELI Beamlines

- Research on LGAD with TCT and laser beam from ELI: Observing the changes in charge transport and in signal formation in Pad and Interpad regions as function of varied initially generated charge density
- [https://indico.cern.ch/event/1132520/contributions/5150042/attachments/2558049/4408455/SignalEvaluation\\_HighLowIntensityInjection\\_GM\\_L.pptx](https://indico.cern.ch/event/1132520/contributions/5150042/attachments/2558049/4408455/SignalEvaluation_HighLowIntensityInjection_GM_L.pptx)

