

# LAPPD Workshop



Thursday 20 Apr 2023, 10:00 → 15:00 US/Eastern

Description Organizers: Silvia Dalla Torre (INFN), Alexander Kiselev (BNL), Simona Malace (JLab), Deb Sankar Bhattacharya (INFN), Junqi Xie (ANL)

Hosted by CFNS: <https://stonybrook.zoom.us/j/99257031544?pwd=VDhvbi9RT3B5RkJPZWRRkQldPcE4wdz09>



## Third LAPPD workshop !

### Following

- **March 21, 2022**
- **October 26, 2022**

<b>10:00</b>	→ 10:05	<b>Welcome and short communications</b> Speaker: Silvia Dalla Torre (INFN, Trieste)
<b>10:05</b>	→ 10:35	<b>Incom LAPPDs: status and plans</b> Speaker: TBC
<b>10:35</b>	→ 10:55	<b>Magnetic field testing of LAPPD and HRPPD at Argonne National Laboratory</b> Speaker: Mark Popecki (Incom)
<b>10:55</b>	→ 11:15	<b>HRPPDs for ePIC Cherenkov detectors</b> Speaker: Alexander Kiselev (BNL)
<b>11:15</b>	→ 11:35	<b>CERN October 2022 LAPPD beam test results</b> Speaker: Mikhail Osipenko (INFN Genova)
<b>11:35</b>	→ 11:55	<b>News from the ANNIE experiment: LAPPDs</b> Speaker: Amanda Weinstein (Iowa State University)
<b>11:55</b>	→ 12:15	<b>Update on LAPPD R&amp;D at IJS Ljubljana</b> Speaker: TBC
<b>12:15</b>	→ 12:25	<b>coffee break</b>
<b>12:25</b>	→ 12:45	<b>LAPPD R&amp;D for LHCb</b> Speaker: Vincenzo Vagnoni (INFN Bologna)
<b>12:45</b>	→ 13:00	<b>DRS4 calibration procedure</b> Speaker: Vincenzo Vagnoni (INFN Bologna)
<b>13:00</b>	→ 13:20	<b>Digitizer ASICs for LAPPDs by Nalu Scientific</b> Speakers: Isar Mostafanezhad, Luca Macchiarulo (Nalu Scientific)
<b>13:20</b>	→ 13:40	<b>LAPPD activities at Edinburgh</b> Speakers: Federica Oliva (University of Edinburgh), Pratik Gheewalla (University of Edinburgh)
<b>13:40</b>	→ 14:00	<b>An algorithm to reconstruct photon hits on the stripline LAPPD</b> Speaker: Robert Foster
<b>14:00</b>	→ 14:15	<b>Data analysis from an LAPPD test stand</b> Speaker: Rory Edwards
<b>14:15</b>	→ 14:35	<b>Discussion and AOB</b>

## Usual table tour

- *all around the world*
- *all around the scientific domain of potential applications (EIC,  $\nu$ -physics, LHCb, ...)*
- *including an update from the producer*
- *electronics*
- *Lab studies, measurements in magnetic field, test beam*

# What is new ?

- **HRPPDS (high-rate version of LHPPDs) now reference in one of the ePIC RICHes**
  - ePIC – project detector at EIC
- **A second experiment will make use of LAPPDS (following ANNIE)**
- **Perspective for a sizable production series (~ 75 units)**
  - Potentially doubled if adopted also by the hpDIRC in the same experiment
- **This imposes production and engineering robustness and represents a step forward for all potential users and their applications**