

# RICH Pattern Recognition Challenges

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Meeting - 6<sup>th</sup> April 2022

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# Agenda

Common survey of the adopted pattern recognition techniques

- motivation
- performance
- lesson learned
- .....

Overview of the various approaches vs challenges

Possible guidelines towards new developments for the next-generation detectors



# Agenda

## RICH Pattern Recognition Challenges



📅 Wednesday 6 Apr 2022, 15:00 → 18:00 Europe/Rome

Description Zoom link: <https://jlab-org.zoomgov.com/j/1601693157>

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|---|---------|-----------------------------------|-------|--|
| 15:00   | → 15:10 | <b>Welcome and introduction</b> 📄 | 🕒 10m |  |
| <b>Speaker:</b> Marco Contalbrigo (Istituto Nazionale di Fisica Nucleare)   |         |                                   |       |  |
| 15:10   | → 15:30 | <b>RICH at COMPASS</b>            | 🕒 20m |  |
| <b>Speaker:</b> Silvia Dalla Torre (Istituto Nazionale di Fisica Nucleare)  |         |                                   |       |  |
| 15:30   | → 15:50 | <b>RICH at HERMES</b>             | 🕒 20m |  |
| <b>Speaker:</b> Evaristo Cisbani (ROMA1)  |         |                                   |       |  |
| 15:50   | → 16:10 | <b>RICH at ALICE</b>              | 🕒 20m |  |
| <b>Speaker:</b> Giacomo Volpe (Istituto Nazionale di Fisica Nucleare)   |         |                                   |       |  |
| 16:10   | → 16:30 | <b>RICH at LHCb</b>               | 🕒 20m |  |
| <b>Speaker:</b> Carmelo D'Ambrosio (CERN PH Dept.)  |         |                                   |       |  |
| 16:30   | → 16:45 | <b>RICH in Hall-A JLab</b>        | 🕒 15m |  |
| <b>Speaker:</b> Guido Maria Urciuoli (Istituto Nazionale di Fisica Nucleare)  |         |                                   |       |  |
| 16:45   | → 17:00 | <b>RICH at CLAS12</b>             | 🕒 15m |  |
| <b>Speaker:</b> Marco Contalbrigo (Istituto Nazionale di Fisica Nucleare)   |         |                                   |       |  |
| 17:00   | → 17:30 | <b>PID challenges at EIC</b>      | 🕒 30m |  |
| <b>Speakers:</b> Alexander Kiselev (Brookhaven National Laboratory), Evaristo Cisbani (ROMA1), Silvia Dalla Torre (Istituto Nazionale di Fisica Nucleare) |         |                                   |       |  |
| 17:30   | → 18:00 | <b>Open Discussion</b>            | 🕒 30m |  |
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