

# 2<sup>nd</sup> protoDUNE Analysis Workshop

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CERN, 26<sup>th</sup> of January 2020

# Introduction to analysis workshop

- Last year's workshop focused on starting up an analysis
  - <https://indico.fnal.gov/event/19133/>
- This year's workshop is focused on more advanced analysis topics
  - Emphasis to  $\pi/K/p - Ar$  cross-section measurements
  - Starting and developing an event selection, analysis frameworks, systematics
  - Theory prospective

10:10 - 10:30	<b>Upstream Beam Energy Loss 20'</b> Speaker: Peter Madigan	▼
10:30 - 11:00	<b>Beam Interface 30'</b> Speaker: Jake Calcutt (Michigan State University)	▼
11:00 - 11:30	<b>Coffee Break 30'</b>	▼
11:30 - 12:30	<b>Highland Analysis Framework 1h0'</b> Speakers: Anselmo Cervera, Dr. Anselmo Cervera (IFIC-Valencia)	▼
12:30 - 13:45	<b>Lunch 1h15'</b>	▼
13:45 - 14:15	<b>Kaon Analysis 30'</b> Speaker: Richie Diurba	▼
14:15 - 14:45	<b>Pion Identification Strategy 30'</b> Speakers: Ms. libo Jiang (university of Pittsburgh), Ms. Libo Jiang (University of Pittsburgh)	▼
14:45 - 15:30	<b>Pion charge exchange and absorption 45'</b> Speakers: Francesca Stocker, Jake Calcutt (Michigan State University)	▼
15:30 - 16:00	<b>Coffee 30'</b>	▼
16:00 - 16:30	<b>Pion Inclusive Analysis 30'</b> Speakers: Ajib Paudel (KSU), Ajib Paudel	▼
16:30 - 17:00	<b>Proton Analysis 30'</b> Speakers: Heng-Ye Liao, Dr. Heng-Ye Liao (Kansas State University)	▼
17:00 - 17:30	<b>Detector response uncertainties brainstorming 30'</b> Speaker: Prof. Kendall Mahn (Michigan State University)	▼
17:30 - 18:00	<b>Theory prospective 30'</b> Speakers: Mr. Steven Dytman (Univ. of Pittsburgh), Steven Dytman	▼

# Reminders

- Regular DRA meetings every Wednesday at 09:00 CDT / 16:00 CET
- Sub-group meetings
  - SCE, Analysis, EM shower, Simulation
  - In depth discussion for some topics
  - Opportunity for new analyzers to present
- Subscribe to the DRA mailing list [dune-proto-spdra](#) and to the [protoDUNE](#) slack channels
- At the collaboration meeting
  - 3 DRA parallel sessions
  - 2 joint DRA – FD sim/reco parallel sessions
  - 1 photon detector parallel session
  - Colloquium on Thursday