



# **KSETA Lectures**

## **Selected Topics on Instrumentation for Particle and Astroparticle Physics**

by Julius Wess Awardee

**Prof. Elena Aprile**

*(Columbia University, USA)*

**22.09.2023    16:00 – 18:00 h**

KIT Campus South, bldg. 30.23, floor 10, room 10/01

**25.09.2023    10:00 – 12:00 h**

**13:00 – 15:00 h**

KIT Campus North, bldg. 601, floor 5, room 514

### **Abstract:**

The lectures will cover basic interaction processes for radiation through matter before focusing on one class of detectors using scintillation and ionization produced by the passage of radiation in noble liquids. Some applications of noble liquid detectors to search for rare physics processes will be reviewed.