

## **Session Program**

**Sep 23 - 24, 2019**



## **HIRSAP Workshop 2019**

**talk by PhD**

Achat Plaza Karlsruhe  
Mendelssohnplatz 76131 Karlsruhe

# Mon, September 23

1:40 PM

## talk by PhD: Talks by PhD

**Session** | **Location:** Achat Plaza Karlsruhe, Mendelssohnplatz 76131 Karlsruhe

13:40 – 14:00

### Backend Design of the Read-Out System for Micromachined Sensors

#### Speaker

Luciano Ferreyro

14:00 – 14:20

### Front-end Design of the Read-Out System for Micromachined Sensors applied to CMB Observations

#### Speaker

Manuel García

14:20 – 14:40

### Travelling wave parametric amplifier: reaching quantum noise limit

#### Speaker

Juan Manuel Salum

2:40 PM

3:00 PM

## talk by PhD: Talks by PhD

**Session** | **Location:** Achat Plaza Karlsruhe, Mendelssohnplatz 76131 Karlsruhe

15:00 – 15:20

### something about CORSIKA 8 performance and muons

#### Speaker

Maximilian Reininghaus

15:20 – 15:40

### Simulation of Extensive Air Showers with Deep Neural Networks (preliminary)

#### Speaker

Marcel Köpke

15:40 – 16:00

### SD data analysis with Deep Learning

#### Speaker

Steffen Hahn

4:20 PM

## Tue, September 24

1:30 PM

### talk by PhD: Talks by PhD

**Session** | **Location:** Achat Plaza Karlsruhe, Mendelssohnplatz 76131 Karlsruhe

13:30 – 13:50 **Shower Universality**

**Speaker**

Johannes Hulsman

13:50 – 14:10 **News on Universality-v2**

**Speaker**

Max Stadelmaier

14:10 – 14:30 **Results of Data Analysis from AugerPrime Detectors**

**Speaker**

Alvaro Taboada Nunez

14:30 – 14:50

### **Performance of the Upgraded Surface Detector Stations of the Pierre Auger Observatory**

**Speaker**

Alexander Streich

2:50 PM

3:10 PM

### talk by PhD: Talks by PhD

**Session** | **Location:** Achat Plaza Karlsruhe, Mendelssohnplatz 76131 Karlsruhe

15:10 – 15:30 **Horizontal Air Shower Reconstruction**

**Speaker**

Felix Schlüter

15:30 – 15:50 **Comparing Signals for the MD and SD with Offline and Universality**

**Speaker**

Marina Scornovacche

15:50 – 16:10 **Muon deficit at AMIGA energies**

**Speaker**

Matias Perlin

16:10 – 16:30 **How to consistently analyse the Auger Scalers (prelim.)**

**Speaker**

Martin Schimassek

4:30 PM