

## **Session Program**

**25-26 Oct 2019**



## **NuMu2019 Workshop @PSI**

### ***Session***

PSI, WHGA/001

Auditorium - Paul Scherrer Institut Forschungsstrasse 111 5232 Viligen PSI

# Friday 25 October

14:00

## Session: Neutrino-nucleus cross-sections at the frontier of particle physics

**Session** | **Location:** PSI, WHGA/001, Auditorium - Paul Scherrer Institut Forschungsstrasse 111 5232 Viligen PSI

14:00-14:10

### Welcome

14:10-14:55

### Impact of neutrino-nucleus physics on oscillation experiments and related neutrino cross section measurements

#### Speaker

Federico Sanchez Nieto

14:55-15:25

### Modelling neutrino-nucleus interactions

#### Speaker

Alessandro Lovato

15:25-15:50

### Axial form factor from neutrino scattering - remote talk

#### Speaker

Richard Hill

15:50

16:15

## Session: Muon capture and the axial form factor

**Session** | **Location:** PSI, WHGA/001, Auditorium - Paul Scherrer Institut Forschungsstrasse 111 5232 Viligen PSI

16:15-16:45

### Precision theory of muon capture on the proton - remote talk

#### Speaker

William Marciano

16:45-17:15

### Axial form factor on the lattice

#### Speaker

Rajan Gupta

17:15-17:45

### Review of MuCap experiment

#### Speaker

Peter Winter

17:45-18:10

### Measurement of the nucleon axial form factor with pion electroproduction

#### Speaker

Ulrich Mueller

18:10

# Saturday 26 October

09:00

## Session: Towards a 0.3% measurement of $\mu^+p$ capture

**Session** | **Location:** PSI, WHGA/001, Auditorium - Paul Scherrer Institut Forschungsstrasse 111 5232 Viligen PSI

09:00–09:20

### MuCap TPC: Design and performance

#### Speaker

Malte Hildebrandt

09:20–09:50

### Baseline concept for new experiment

#### Speaker

Peter Kammel

09:50–10:20

### MPGD-based Time Projection Chambers

#### Speaker

Piotr Gasik

10:20–10:40

### Mu- beams and beam development at PSI

#### Speaker

Andreas Knecht

10:40

11:10

## Session: Round table on physics and towards forming a collaboration

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11:10–12:30

### Round table discussion

12:30