

**Session Program**

**15-20 May 2016**

**CALOR 2016**

***Challenges for calorimeters***

EXCO in Daegu, Republic of Korea

## Thursday 19 May

13:30

### Challenges for calorimeters

**Session** | **Location:** EXCO in Daegu, Republic of Korea | **Convener:** Jim Brau

13:30-13:50

#### Proton Induced Radiation Damage up to $8E+15$ p/cm<sup>2</sup> in Various Crystal Scintillators

**Speaker**

Ren-Yuan Zhu

13:50-14:10

#### Beam tests of proton-irradiated PbWO<sub>4</sub> crystals and evaluation of double side read-out technique for mitigation of radiation damage effects

**Speaker**

Marco Toliman Lucchini

14:10-14:30

#### Radiation effects on hadronic calorimeters at the LHC

**Speaker**

Geng-Yuan Jeng

14:30-14:50

#### Volume crystals for extremely high radiation levels

**Speaker**

Mrs Silvia Ochesanu

14:50-15:10

#### Progress in the Development of the Lead Tungstate Crystal for EM-Calorimetry in High-Energy Physics

**Speaker**

Rainer Willi Novotny

15:10-15:30

#### Gamma-ray Induced Radiation Damage up to 340 Mrad in Various Scintillation Crystals

**Speaker**

Renyuan Zhu

15:30

16:10

### Challenges for calorimeters

**Session** | **Location:** EXCO in Daegu, Republic of Korea | **Convener:** Craig Woody

16:10-16:30

#### Time development of hadron showers and its use in hadron calorimetry

**Speaker**

Adam Para

16:30-16:50

#### Hadron Calorimetry Test Bench

**Speaker**

Dr Dmitri Kotchetkov

16:50-17:10

**Last development of composite detectors is proposed for HEP application.**

**Speaker**

Andriy Boyaryntsev

17:10-17:30

**On the saturation of response of inorganic scintillators to slow charged particles**

**Speaker**

Adam Para

17:30-18:00

**Study of the New Glass and Glass ceramic Stoichiometric and Gd-loaded BaO\*2SiO<sub>2</sub> (DSB) Scintillation Material for Future Calorimetry, and Studying of properties of the plastic scintillator EJ-260 under the irradiation with 150 MeV protons and 1.2 MeV gamma-rays**

**Speaker**

Rainer Willi Novotny

18:00