

## **Session Program**

**Sep 18 - 21, 2018**



## **Monitoring the non-thermal Universe 2018**

### **Theory**

Cochem (Mosel), Germany  
Kapuzinerkloster, Klosterberg 5, 56812 Cochem

## Tue, September 18

4:15 PM

### Theory: Theory 1

**Session** | **Location:** Cochem (Mosel), Germany, Kapuzinerkloster, Klosterberg 5, 56812 Cochem | **Convener:** Markus Boettcher

**16:15 - 16:35**

#### **Interpretation of the coincident observation of a high energy neutrino and a bright flare of blazar TXS0506+056**

**Speaker**

Shan Gao

**16:35 - 16:55**

#### **The long-lasting activity in the FSRQ CTA 102**

**Speaker**

Michael Zacharias

**16:55 - 17:15**

#### **Time-resolved SEDs of the variable blazar PKS 1510-089**

**Speaker**

Andrea Gokus

**17:15 - 17:35**

#### **The First and Second-Order Fermi Acceleration Processes in BL Lacertae Objects**

**Speaker**

Bidzina Kapanadze

5:45 PM

## Wed, September 19

9:00 AM

### Theory: Theory 2

**Session** | **Location:** Cochem (Mosel), Germany, Kapuzinerkloster, Klosterberg 5, 56812 Cochem | **Convener:** Michael Zacharias

09:00 – 09:30

#### Gamma-Ray Astrophysics in the Time Domain

##### Speaker

Frank Rieger

09:30 – 09:50

#### Theoretical models to explain the TeV gamma-ray and X-ray correlations exhibited in Blazars.

##### Speaker

Nissim Fraija

09:50 – 10:10

#### On the connection of radio and $\gamma$ -ray emission of blazars

##### Speaker

Stella Boula

10:10 – 10:30

#### From Electrons to Janskys: Comparing Synthetic TEMZ Model Light Curves to High-Cadence Data from the POLAMI and F-GAMMA Monitoring Programs

##### Speaker

Dr Nicholas MacDonald

10:30 AM

## Thu, September 20

11:00 AM

### Theory: Theory 3

**Session** | **Location:** Cochem (Mosel), Germany, Kapuzinerkloster, Klosterberg 5, 56812 Cochem | **Convener:** Frank Rieger

**11:00 - 11:30 Models of Blazar Variability**

**Speaker**

Markus Boettcher

**11:30 - 11:50 The Feasibility of Magnetic Reconnection Powered Blazar Flares**

**Speaker**

Paul Morris

**11:50 - 12:10 Characterizing leptonic long-term variability in blazars**

**Speaker**

Hannes Thiersen

**12:10 - 12:30 Blazars-driven beam plasma instabilities in the IGM**

**Speaker**

Dr Mohamad Shalaby

12:30 PM