

F2F Meeting, Joint FWF-ARRS Project

**Identification of cosmic ray sources amongst jetted active galactic nuclei**

- Agenda -

**Wednesday 20 October**

**14:00-14:45** Welcome, Introduction (Anita & Serguei)

**Session I: Multi-messenger (UHECRs, neutrinos, photons) measurements - new developments**

14:45 - 15:30 Serguei (incl. discussion) : "Recent developments"

15:30 – 16:00 Coffee break

**Session IV: Multi-messenger propagation - new developments**

16:00 – 16:45 Paolo: "A robust lower bound on intergalactic magnetic fields from Fermi/LAT and MAGIC observations of 1ES 0229+200"

**16:45 – 17:30 Session discussion**

**Thursday 21 October**

**Session IV: Multi-messenger propagation - new developments**

9:00-9:45 Jon Paul: "Extrapolating FR-0 radio galaxy source properties from propagation of multi-messenger ultra-high energy cosmic rays", Simulations and Analysis status

9:45-10:30 Discussion

10:30-11:00 Coffee break

**11:00-11:45 Jon Paul:** "Extrapolating FR-0 radio galaxy source properties from propagation of multi-messenger ultra-high energy cosmic rays"  
**Journal paper status**

11:45-12:30 Session discussion

12:30-14:00 Lunch

**Session III: AGN jet modeling - new developments**

14:00-14:45 Lukas: "Heavy nuclei interactions with photon fields"

14:45-15:30 Discussion

15:30-16:00 Coffee break

16:00-16:45 Margot: "Towards modeling the quiet core region of M87"

16:45-17:30 Discussion

19:00++ Meeting dinner

## **Friday 22 October**

### **Session II: UHECR AGN candidate sources - new developments**

9:00-9:45 Margot: "Gamma-ray emitting FR0s and a new class of Fanaroff-Riley Radio-Galaxies?"

9:45-10:30 Discussion

10:30-11:00 Coffee break

11:00-11:45 Paolo & Chiara: "Outliers of the blazar sequence"

11:45-12:30 Session discussion, next steps

12:30-14:00 Lunch

14:00 Adjourn