

**Seminarium Studium Doktoranckiego NCBJ**  
**Poniedziałek, 15 stycznia, godzina 9:00**  
**Sala 22 w NCBJ, Hoża 69**

**Speaker: Piotr Kalaczyński**

**Title: Search for directional correlations of HE muon neutrinos in IceCube and Radio Sources in NVSS”**

Abstract: The seminar briefly describes IceCube and VLA detectors and the method of angular cross-correlation using power spectra from the multipole expansion of the sky. The analysis aims at determining, whether astrophysical neutrino flux could be originating from extragalactic radio sources contained in the NVSS survey. Since the survey is not exclusively extragalactic, appropriated cuts have to be applied. Performance of the analysis is shown and compared to a standard point-source IceCube analysis.