



The Henryk Niewodniczański
INSTITUTE OF NUCLEAR PHYSICS
POLISH ACADEMY OF SCIENCES

The ALICE group at the Henryk Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences (IFJ PAN) in Kraków, Poland, is inviting applications for a PhD student fellowship starting from October 2021 for 4 years.

The ALICE group is a part of the Department of the Ultrarelativistic Nuclear Physics and Hadron Interactions of the Division of Nuclear Physics and Strong Interactions. There are eight permanent physicists and two PhD students in the ALICE group at the IFJ PAN. Our experience in the high energy and heavy-ion physics comes from many past and ongoing experiments like NA49, NA61/SHINE, ALICE, H1, ZEUS or Belle. Currently, our research program is focused on studies of the nuclear matter formed in heavy-ion and proton-proton collisions at the LHC at various collision energies. Our group members contributed to various measurements of spectra and nuclear modification factors of neutral and charged hadrons, particle multiplicity fluctuations or vector meson production in ultra-peripheral lead-lead collisions. We have been involved in the Time Projection Chamber, the Electromagnetic Calorimeter, the ALICE Diffractive detector and the Quality Assurance developments. Additionally, we contribute to the ALICE upgrade via developments in the Time Projection Chamber and the Fast Interaction Trigger.

The selected applicant will work on the research programme of the ALICE Collaboration, having exciting possibilities in data analysis and interpretation. A significant amount of time will be dedicated to photon and light neutral mesons analysis in various collision systems (for more details see https://kisd.ifj.edu.pl/wp-content/uploads/2021/02/IFJ-PAN_23.pdf or https://kisd.ifj.edu.pl/wp-content/uploads/2021/02/IFJ-PAN_24.pdf). Moreover, she/he will be involved in the ALICE detector commissioning and operation at CERN.

Applicants should hold a master degree in experimental high-energy nuclear or particle physics, should have experience in data analysis, and high programming skills. Applications should contain a motivation letter, a detailed CV, the list of publications, conference talks and posters, and a copy of the master certificate. Please include consent to personal data processing in the recruitment process by IFJ PAN. At least one recommendation letter should be arranged and sent separately to the email address below. The selected candidate will follow the recruitment procedure described in <https://kisd.ifj.edu.pl/recruitment/recruitment-2020-2021/>.

Applications and inquiries should be sent before June 7th 2021 to

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