Announcement for postdoctoral fellowship (deadline 12 June 2017)

The research group of P. Moskal invites applications for a postdoctoral position in the project entitled „Studies of discrete symmetries in decays of positronium atoms".

The minimum requirements for candidates are:
- PhD diploma in Natural Sciences, Engineering, Computer Science, Mathematics or related field
   of science.
- Experience in radiation detectors calibration, advanced multilevel data analysis, Monte-Carlo simulations, advanced level statistical inference, relativistic kinematics and computer programming.
- Good knowledge of English (spoken and written)

The successful applicant is expected to perform following research tasks: Elaboration of methods for the reconstruction of time and position of decays of para- and ortho-positronium atoms and methods for the determination of polarisation of gamma quanta and positronium atoms. Measurements with the J-PET tomograph equipped with the annihilation chamber and START detector; Data taking and data quality checks; On-line calibration of the whole detection system; Elaboration of methods for identification and selection of registered events; Elaboration and validation of the background suppression methods; Conceptual work aiming at elaboration of new observables for the test of discrete symmetries with the J-PET detector; Interpretation of results, preparation of scientific articles, presentation of results at conferences and scientific meetings.

The candidates should submit applications containing the following documents

   1. Short application including motivation letter (maximum three pages),
   2. Scientific CV including list of publications
   3. At least two letters of recommendation (preferentially send directly to P. Moskal via e-mail)

All documents should be submitted in the pdf format to the address: p.moskal@uj.edu.pl

The position will be available initially for one year, but may be renewed
for further two years (maximally) by mutual agreement.

The deadline for submission of applications is 12 June 2017.

The candidates will be informed by email of the result of the selection.
The successful candidate will receive per month 4070 PLN netto plus social
and health insurances (in total 6944 PLN brutto brutto).

Application should include a statement:
„Wyrażam zgodę na przetwarzanie moich danych osobowych zawartych w mojej ofercie pracy dla potrzeb niezbędnych do realizacji procesu rekrutacji" (zgodnie z ustawą z dnia 29 sierpnia 1997 roku o ochronie danych osobowych, tekst jednolity: Dz.U. z 2015 roku, poz. 2135 z późniejszymi zmianami)."