



Cracow, 11 September 2019

## ***Cosmic-Ray Extremely Distributed Observatory – press kit***

In connection with the formal constitution of the Cosmic-Ray Extremely Distributed Observatory (CREDO) Collaboration, the Institute of Nuclear Physics of the Polish Academy of Sciences (IFJ PAN) in Cracow has prepared a thematic press kit on issues related to the CREDO project and cosmic radiation. It contains the following materials:

- **CREDO and cosmic radiation – main facts**  
(A set of main facts concerning the CREDO project and cosmic radiation)
- **CREDO: On the past, towards the future**  
(The history of the CREDO project)
- **Cosmic radiation – from riddle to... riddles**  
(What is cosmic radiation and why it is worth examining?)
- **CREDO – a detector like never before**  
(What makes the CREDO virtual detector unique on a global scale?)
- **CREDO penetrates the unknown**  
(Which puzzles of modern physics can be solved with CREDO?)
- **CREDO as a portal to the world of real science**  
(A discussion of the social impact of the CREDO project)

The materials included in this press kit are intended to be used free of charge in the media, in full or in excerpts (also rewritten).

Journalists may contact the persons listed at the end of this press release on matters related to the CREDO project and cosmic radiation.

The Henryk Niewodniczański Institute of Nuclear Physics (IFJ PAN) is currently the largest research institute of the Polish Academy of Sciences. The broad range of studies and activities of IFJ PAN includes basic and applied research, ranging from particle physics and astrophysics, through hadron physics, high-, medium-, and low-energy nuclear physics, condensed matter physics (including materials engineering), to various applications of methods of nuclear physics in interdisciplinary research, covering medical physics, dosimetry, radiation and environmental biology, environmental protection, and other related disciplines. The average yearly yield of the IFJ PAN encompasses more than 600 scientific papers in the Journal Citation Reports published by the Thomson Reuters. The part of the Institute is the Cyclotron Centre Bronowice (CCB) which is an infrastructure, unique in Central Europe, to serve as a clinical and research centre in the area of medical and nuclear physics. IFJ PAN is a member of the Marian Smoluchowski Kraków Research Consortium: "Matter-Energy-Future" which possesses the status of a Leading National Research Centre (KNOW) in physics for the years 2012-2017. The Institute is of A+ Category (leading level in Poland) in the field of sciences and engineering.

### **CONTACTS:**

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**LINKS:**

<https://credo.science/>

The website of the Cosmic-Ray Extremely Distributed Observatory (CREDO).

<http://www.ifj.edu.pl/>

The website of the Institute of Nuclear Physics Polish Academy of Sciences.

<http://press.ifj.edu.pl/>

Press releases of the Institute of Nuclear Physics Polish Academy of Sciences.

**IMAGES:**

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Prof. Marek Jezabek, director of the Institute of Nuclear Physics of the Polish Academy of Sciences in Cracow, signs an agreement on formal accession of the Institute to the international CREDO project. (Source: IFJ PAN)

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The CREDO Detector application transforms your smartphone into an important element of the largest particle detector in history. (Source: IFJ PAN)