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Dark matter research platform with deep learning

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Theoretical and experimental studies have been consistently performed to search for dark matter. The project of "dark matter research cluster"supported by National Research Council of Science and Technology in Korea has done successfully to collaborate between indirect and accelerator search. Therefore, so-called "dark matter research cluster season II'has been again approved to expand it to including Information and Communication Technology (ICT) based on deep learning.

Through it, we propose to research and develop intellectual information platform and provide a theoretical template to identify the foundation of dark matters. We also propose to perform astronomical and particle experiment-theory-simulation data utilizing integrated research. We also would like to develop a deep-learning software algorithm on dark matter research.

This could enable us to research and develop an intelligent information platform that combines deep-learning-based astronomical and particle experimental data. It could lead in developing ICT, which makes efficient research to search for dark matter.

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