

Welcome to Sendai !

This is the last symposium in the program of the grant-in-aid for scientific research on innovative area;

“Unraveling the History of the Universe and Matter Evolution with Underground Physics”.

It covers DBD, DM, SN, solar/geo-neutrinos etc based on the technologies; underground, low background, low temperature etc.

They are important to understand the Universe systematically, but the field is quite interdisciplinary and the community was not categorized well.

nuclear physics, particle physics, astronomy, cosmic ray, geoscience ???

We have been forming a new community.

LOWBG, ultra-low background particle/nuclear research workshop in 2013.

Then, we applied the grant-in-aid for scientific research on innovative area, and approved (FY2014-2018).

UGND, “Revealing the history of the universe with underground particle and nuclear research”

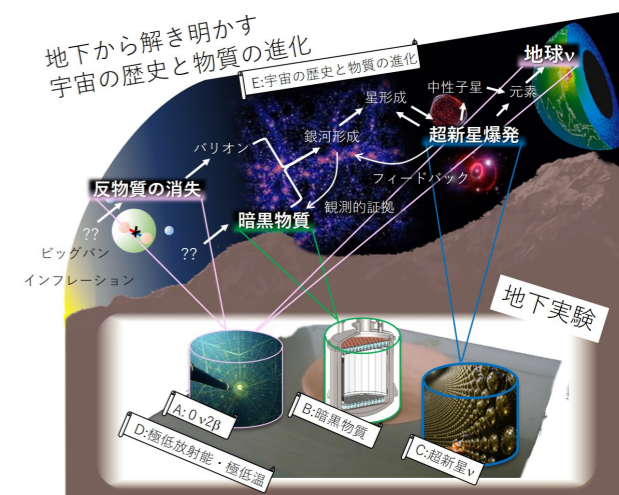
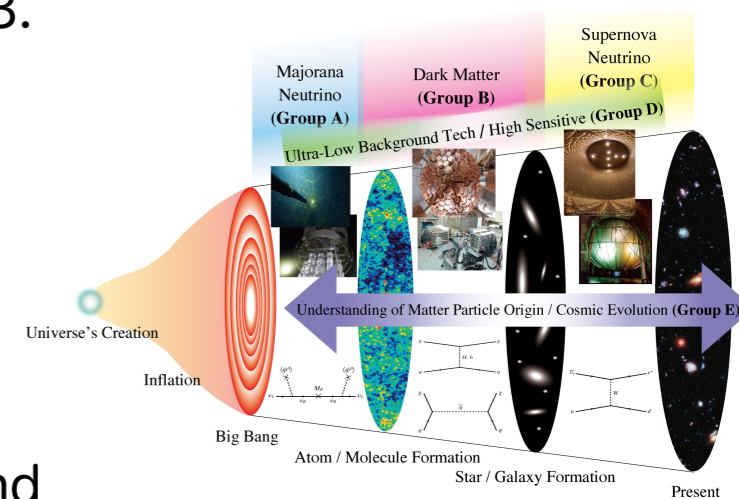
It was developed and succeeded by this program (FY2019-2023).

UGAP, “Unraveling the History of the Universe and Matter Evolution with underground physics”

The community grew well and it opened a new fourth science frontier in particle physics, **“Extremely Rare-phenomena Frontier”**

after well known three; “High Energy”, “High Intensity”, “Cosmology” frontiers.

⇒ What will come after this? Please ask Kishimoto-san 😊



Please enjoy fruitful discussions in
this interdisciplinary field
& of course,
good food and good sake in Sendai

Well, let's start the session!