

The status of dark matter search in China

Monday, 15 August 2022 20:30 (30 minutes)

Dark matter particles beyond the standard model are still mystery in the world. The deep underground lab and space satellite are used to search for dark matter particles. China JinPing underground Lab (CJPL) comes at 21 century as the deepest and largest lab in the world. The direct detection dark matter experiments of CDEX and PandaX were carried out in CJPL, they have achieved many world-class results. For example, the best constraints of light and heavy dark matter were presented at that time. The indirect detection dark matter experiment (space satellite) of DAMPE was also launched, it has achieved significant detection accuracy. Therefore, the recent status of dark matter search in China is reviewed in this report.

Category

talk

Primary authors: Prof. LIU, Jianglai (SJTU); ZHAO, Li (SJTU)

Presenter: ZHAO, Li (SJTU)

Session Classification: Session 3