Contribution ID : **351** Type : **Plenary/section talk**

EXO-200 results

Wednesday, 24 October 2018 09:15 (15)

EXO-200 is dedicated for study of the double beta decay of ^{136}Xe using 200kg of enriched xenon. This large and homogeneous TPC filled with liquid xenon have proven to be excellent tool in the search for neutrinoless double beta decay with ultra-low background and state of the art sensitivity. The experiment made the first observation of the $2\beta2\nu$ decay in ^{136}Xe and the most precise measurement of half-life among any double beta decay isotopes to date. I will report on current status and the latest results obtained.

Primary author(s) : Mr. BELOV, Vladimir

Presenter(s) : Mr. BELOV, Vladimir

Session Classification : Particle Physics: Neutrino Physics

Track Classification : Particle physics: neutrino physics