Contribution ID : **34** Type : **Oral talk**

Primordial black holes, early galaxies, and antimatter in the Galaxy

Wednesday, 30 November 2022 16:00 (30)

Recent data of JWST indicate to surprisingly rich population of the early universe at redshifts exceeding 15 by the well developed galaxies in strong contradiction with the conventional expectations. These picture was essentially predicted long ago by the the mechanism of massive and super massive PBH formation in the very early universe, which could seed galaxy formation. According to this mechanism, our Galaxy may have quite noticeable amount of antimatter, in particular in the form of antistars, antinuclej, and positrons which is strongly indicated by the observation of the several last years.

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Session Classification : Plenary

Track Classification : Gravitation and cosmology