



Contribution ID: 307

Type: **Poster**

## Star Formation Activity and Cosmic Rays Acceleration in Starburst Galaxies

*Friday, 15 December 2023 14:46 (1 minute)*

Starburst Galaxies (SBs) have higher star formation rate and supernova (SN) explosion rate. Therefore, SBs are promising cosmic-rays (CRs) accelerator. Such CRs produced in the birth and death of stars are expected to produce gamma-ray emission. The identification of supernova remnant and the observation of galactic-scale outflow indicate that SN-triggered activities play an important role in CR acceleration in SBs.

**Primary author:** OU, Ziwei (Tsung-Dao Lee Institute, Shanghai Jiao Tong University)

**Presenter:** OU, Ziwei (Tsung-Dao Lee Institute, Shanghai Jiao Tong University)

**Session Classification:** Poster