Summary Slide

Investigation of Toroidal Rotation in Impurity Seeding ADITYA-U Tokamak Plasmas

- **Neon gas puff experiment done in ADITYA-U tokamak to investigate the impurity seeded plasma**
- **Plasma properties has been studying by measuring and estimating many plasma parameters after and before the neon gas-puff**
- **Increase in electron density, plasma stored energy, edge properties changes via increase of radiation loss and lower recycling**
- **Spatial profile of soft x-ray emission increases very much and energy confinement improved**
- **Radial profile of toroidal rotation measured using a space resolved space spectroscopic system**
- **Seen that rotation values changes and rotation reversal at the edge plasma region observed**
- **This modification of plasma rotation seems to be related to improved plasma properties in the impurity seeding plasmas of ADITYA-U tokamak.**