

## **A stay in Max Planck Institute for Radio Astronomy, Bonn**

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I visited Max Planck Institute for Radio Astronomy (MPIfR) in Bonn, Germany and stayed there from February 7<sup>th</sup> until March 7<sup>th</sup>, 2016, as ALPS course work. Dr. Christian Henkel. He is a world leading scientist in astrochemistry and astrophysics of external galaxies, which are of my most interest. During the visit, I investigated abundance variation of carbon-13 isotopologues in external galaxies under the guidance of Dr. Henkel.

During my stay in Bonn, not only Dr. Henkel but also an office mate Dr. T. Pillai and many other people kindly supported both in researches and daily life. Atmosphere of the research group that individual researchers are corporative to each other without losing their own originalities is enlightening for me. It was also happy to me that I was given a chance to present my recent research activity in a group seminar and got some nice complements after a talk. I am going to develop my study cherishing this experience and make the use of what I learned from this visit, that is, cooperative attitude, active communication, and importance of being self-confident.

Lastly, I would like to appreciate the warm support from Dr. Henkel and all others supported me in Bonn and Tokyo.