

The Fermi and ALMA view of the Seyfert 1 AGN GRS 1734-292

The latest Fermi/LAT catalog newly included GRS 1734-292, which is a radio-quiet Seyfert galaxy. Both star formation and jet activity of this galaxy are insufficient to explain the observed gamma-ray flux. The remaining possibility is disk wind or corona. In this talk, we report the detection of the non-thermal mm-radio emission of GRS 1734-292 using the Atacama Large Millimeter/submillimeter Array (ALMA). This radio emission is likely a synchrotron counterpart of the gamma-ray emission. Based on the ALMA and Fermi measurements, we discuss the required physical conditions for corona and disk wind scenarios.

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