

DAQ and time synchronisation in the INFN-Bologna group

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The INFN-Bologna group with interests in the ISB activities is kin on DAQ (electronics and online software) and time synchronization with the White Rabbit technology. We have consolidated our expertises through decades of work in High Energy Particle and Astroparticle Physics experiments at LHC and underwater neutrino telescopes. In this contribution we will present our assets that could be exploited for Einstein Telescope. In particular our group has been funded with the ETIC project to realize a facility which includes readout, fast data processing, time synchronization and higher level data analysis, called Bologna ET Integrated Facility (BETIF). BETIF is in synergy with other ETIC activities, in particular with the CAOS laboratory which represents an optimal concrete use-case for developing technologies useful in ET.

Primary authors: Dr CHIARUSI, Tommaso (INFN - Sezione di Bologna); TRAVAGLINI, Riccardo (INFN - Sezione di Bologna); Prof. BONACORSI, Daniele (Dip. Fisica e Astronomia Università di Bologna - INFN -Sezione di Bologna)

Co-authors: Dr BALBI, Gabriele (INFN - Sezione di Bologna); Mr MASTROPASQUA, Giovanni (INFN - Sezione di Bologna)

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