Characterisation of CMOS Cameras for the LAST Optical Telescope

The LAST telescope is a project to create an extremely wide field of view optical telescope, capable of searching for a wide range of transient source including tidal disruption events, compact binary mergers and many other violent astrophysical phenomena. LAST will be constructed from forty eight 28 cm telescopes with high performance CMOS cameras, working together to cover a sky area of hundreds of square degrees. At DESY we are currently involved in the design and planning of this telescope, as well as the analysis of first data from the prototype currently being constructed in Israel. This project will be based around the characterisation of the performance of the cameras, filters and polarisation filters planned for use with LAST, using the DESY optics lab.

Field

C2: Instrumentation for Astroparticle Physics

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