

The Serra La Nave ICT equipment of the ASTRI SST-2M telescope prototype for the Cherenkov Telescope Array

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: ASTRI is an Italian flagship project whose first goal is the realization of an end-to-end telescope prototype, named ASTRI SST-2M, for the Cherenkov Telescope Array (CTA). The prototype will be installed in Italy during Fall 2014. A second goal will be the realization of the ASTRI/CTA mini-array which will be composed of seven SST-2M telescopes placed at the CTA Southern Site. The Information and Communication Technology (ICT) equipment necessary to drive the infrastructure for the ASTRI SST-2M prototype is being designed as a complete and stand-alone computer centre. The design goal is to obtain a basic ICT equipment that might be scaled, with a low level of redundancy, for the ASTRI/CTA mini-array, taking into account the necessary control, monitor and alarm system requirements. The ICT equipment envisaged at the Serra La Nave (SLN) observing station in Italy, where the ASTRI SST-2M telescope prototype will operate, includes computers servers and workstations, network devices, an uninterruptable power supply system, and air conditioning systems. This talk presents the proposed general schema of the SLN Computer Centre and Control Room, describing in particular the Local Area Network (LAN) schema, the computing and storage system, and the system for the telescope control. In particular will be shown HW and SW solutions already implemented, giving particular emphasis to the control system and remote monitoring.

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