

Forum on Tracking Detector Mechanics 2017

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Book of Abstracts

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Radiation length imaging with high resolution telescopes

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Quality assurance for CMS Tracker Phase II upgrade 2S modules

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CMS Flat Barrel outer tracker for HL-LHC

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Characterization of materials for HL tracker upgrades

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The forward regions of the ATLAS ITk strips detector for the Phase-II Upgrade

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Thermal QC of ATLAS upgrade forward pixel rings

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Diamond-like Heat Spreaders in the Form of Cheap Synthetic Graphite Tape for Cooling of Instrumentation in Radiation Intense Environments

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Micro-channel cooling INSIDE silicon sensors

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Operational experience from the use of a 90 metre thermosiphon cooling plant for C3F8 evaporative cooling of the ATLAS silicon tracker

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Reduced temperature cooling and heat transfer measurements in C2F6/C3F8 zeotropic blends, and custom ultrasonic instrumentation for blend measurement and leak monitoring into the environmental volumes of the ATLAS silicon tracker

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CO₂ superheating and boiling onset measurements in the ATLAS IBL CO₂ cooling system

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Monoblock Approach for a Refrigeration Technical Application (MARTA). Industrial development of Transportable Refrigeration Apparatus for CO₂ Investigation (TRACI)

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The LUCASZ CO₂ cooling systems at CERN and Cornell University

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