

APC-Astrocent meeting

Thursday 05 November 2020 - Friday 06 November 2020

Book of Abstracts

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Introduction

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Organization of the meeting

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Introduction from APC

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Seismic and infrasound sensors at Astrocent

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Liquid argon detector R&D

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Aspects of SiPM data analysis

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Joint APC/AC program in liquid argon technology for dark matter search and medical applications.

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Low Mass Dark Matter experiment

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TOF-PET simulation

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Dark matter theory group activity

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KM3 technical review

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Non-traditional computing in Astrocent - an overview of Scientific Computing & Information Technology Group activities

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Deep learning applied to LIGO/Virgo data

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Application of long-short memory neural networks for prediction of gravitational waves signal from merger events

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Seismic and infrasound activities

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PEGASEWS earthquake early warning system

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Mobile platform for seismic measurements

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Data processing and analysis of a seismic array

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Overview of the electronics group

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Analysis of the connection between the seismic sensor and earth in seismic measurements

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KM3net Science

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HyperKamiokande and Darkside activities

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Discussion and Summary