

FroST – Topical workshop on THEIA

Mainz, October 22-24, 2016



Organizers:

Ed Blucher

Josh Klein

Lothar Oberauer

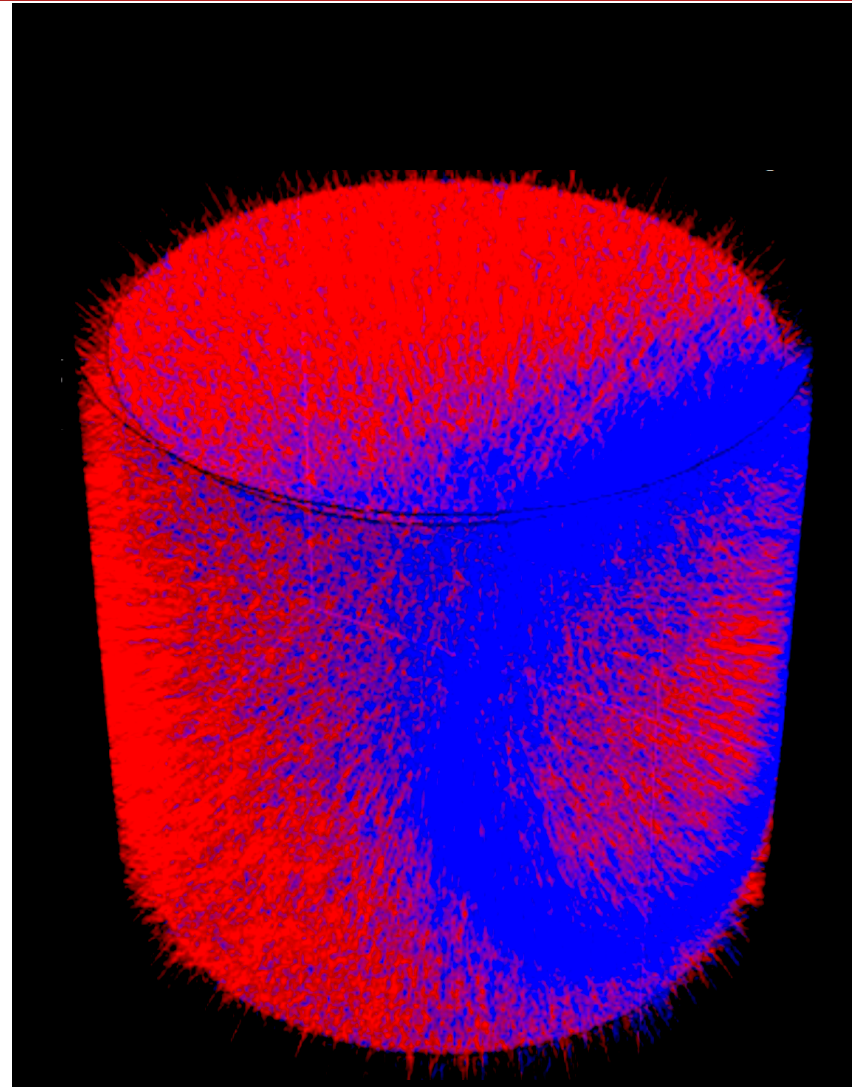
Gabriel Orebi Gann

Bob Svoboda

Michael Wurm

WELCOME!

- Workshop series on advanced liquid scintillator detectors
 - 1st meeting at Fermilab (March 16) had rather general scope
- This weekend: Topical Workshop on a **Large Water-based Liquid Scintillator Detector (THEIA)**
- What we will try to address:
 - Physics potential
 - Detector configuration(s)
 - Potential locations
 - Lessons from current projects
 - Technology → R&D program
 - International organization
- How? **Talks and Discussions**



THEIA event display
scintillation – Cherenkov

Program of the workshop

Saturday, 9am-6pm

Physics potential

THEIA detector concept

Event reconstruction

Current experiments

Sunday, 9am-6pm

Current experiments

Advanced technologies

Future R&D

Potential sites

Monday, 9am-1pm

How to proceed?

Program of the workshop

Saturday, 9am-6pm

Physics potential

THEIA detector concept

Lunch

Event reconstruction

Current experiments

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Current experiments

Advanced technologies

Lunch

Future R&D

Potential sites

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How to proceed?

Hörsaalgebäude C04/05

Institut für Physik, Medienraum

8pm : Dinner at Eisgrub

→ Directions in your folders

- Meet the local organizers:



Willy



Paul



Sebastian

- **One PC for talks** and remote connection

→ please give your talk to Paul
before your session or send it to
phackspa@uni-mainz.de

- **WiFi connection:**

either eduroam (if you have an account)

or Uni-Mainz (access information in your folders)

- Coffee breaks and lunch just outside the room

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Let's start!