



Report from KVI – PAC issues

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Mission of KVI-CART

The mission of the KVI-Center for Advanced Radiation Technology (KVI-CART) is to perform **basic research on subatomic and astroparticle physics and application-driven research on accelerator physics and physics in medicine**. We work, in close collaboration with the scientific community, healthcare and industry, on long-term **solutions for science and society**. Through the development of state-of-the-art detection techniques, KVI-CART fosters the **cross-fertilization between basic and application-driven research**. KVI-CART educates young researchers in physics and medical technology at BSc, MSc and PhD level.



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Research at KVI-CART

- Accelerator and Radiation Physics
- Astroparticle Physics
- Hadronic and Nuclear Physics
- Medical Physics



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Actions since October 2013

- At the end of Summer 2013, the original beam access funds were used up
- After agreement to transfer funds from T&S to access costs:
call for ENSAR proposals (Nov. 2013)
- After prolongation until end of 2014:
call for ENSAR proposals (May 2014)
- PAC recommendation process handled via e-mail



Criteria for approval

- Excellence is the sole criterion for approval
- After the submission, the PAC discussed the proposals. Approval of experiments and assignment of the number of shifts are made by consensus without voting.

Present PAC composition

- Juha Äystö (Helsinki Institute of Physics)
- Roberto Calabrese (Ferrara Univ. and INFN) - Chair
- Marco Durante (GSI Darmstadt)
- Oscar Naviliat-Cuncic (MSU)



ENSAR experiments since Nov. 2013

- **Radiation damage and defect studies in PWO crystals, and hadron response of inorganic scintillating fibers**

R. Novotny, Univ. Giessen in collaboration with KVI-CART, Belarus State Univ. Minsk

submitted: Dec. 2013

recommendation (Jan 2014): requested 8 shifts

experiment performed: 20-21 May 2014, 26-27 June 2014

- **Tests with a LaBr₃-SiPM telescope in proton and Carbon ion beams**

C. Lacasta, Instituto de Física Corpuscular, Valencia

submitted: June 2014

recommendation (July 2014): requested 5 shifts

experiment performed: 27-29 October 2014

- **Proton measurement with MAPS**

D. Röhrich, Univ. Bergen in collaboration with Utrecht University

submitted: June 2014

recommendation (July 2014): requested 4 shifts

experiment scheduled: 3-4 December 2014