

NAME: **Pierre Pugat & A. Siemko** on behalf of the OSQAR collaboration, CERN

Email : Andrzej.Siemko@cern.ch

AFFILIATION: CERN, Switzerland

TITLE: First Results from the OSQAR Photon Regeneration Experiment

ABSTRACT:

Collaboration between seven European Institutes and CERN is working on a new “2-in-1”, laser based particle physics experiment for *Optical Search of QED vacuum magnetic birefringence, Axions and photon Regeneration* (OSQAR). The preliminary phase of the OSQAR experiment is expected to be approved by the CERN Research Board in the beginning of June of this year following the recommendation of the CERN SPSC experimental committee. This phase is dedicated to a photon regeneration experiment in order to confirm or invalidate the interpretation of the recent PVLAS result, regarding the discovery of a new light scalar or pseudo-scalar particle like the axion. The status of this phase of the OSQAR experiment will be reported together with the first results.