

# WELCOME

Second meeting of the MIXMAX  
network on innovative pseudo-  
random number generators

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# What is the MIXMAX network

- EU project MIXMAX-H2020-MSCA-RISE02014
- Collaboration between European institutes and CERN
- Develop a new class of pseudo-random number generators based on Kolmogorov-Anosov K-systems
- Aim of the project is to turn them into useful products for Monte Carlo simulations and to integrate them in the CERN software applications used by the LHC and other HEP experiments.

# Brief Status

- MIXMAX included in clhep library
  - Version 2.3.1.1, November 2015
- Inclusion in ROOT release 6.05.02 that uses a new interface for RNGs
  - Presented at the ROOT Users' Workshop held in Saas Fee, September 2015
- Also included in the last Geant4 10.2 release, December 2015 - see [release notes](#)
  - Presented at the Geant4 collaboration meeting held in Fermilab, September 2015
- Not yet presented in meetings of experiments

# Agenda for this meeting

- <https://indico.cern.ch/event/544108/>
- plenty of time for discussion to give exchange of views on the important issues
- take advantage of being together in coming weeks to make progress on on-going tasks
- preparation for the next meeting, which takes place in September in Athens
- converge on a release that we can promote for uptake by experiments & other clients