**Invitation**

International Masterclasses in particle physics give secondary school students the opportunity to discover the world of quarks and leptons for themselves, by performing measurements on real data from CERN, to meet active particle physics researchers, and to link up with like-minded students from other countries.

Physics at the most fundamental level - the smallest and most basic building blocks of matter - is an exotic world. But after a few introductory talks and working with data from CERN, the students will have gained insight in the fundamental matter particles and the forces between them. In the morning, the students will be introduced to particle physics, experiments and detectors in lectures given by active particle physics researchers. After having lunch with lecturers and tutors, they will work on their own with data from the LHC collider at CERN. Afterwards they are invited to a video conference where they will discuss and compare their results with students other countries and with the moderators at CERN.

We are inviting 5th and 6th year students to join us at XXXXXXXX. Registration is possible at: XXXXXXXXX

More info at: XXXXXXXXX

**12. MARCH 2014**

**9:00 – 17:00**

INSTITUTE OF PARTICLE PHYISCS

UNIVERSITY OF XYXYXYX

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