



## **Digital Graffiti from a Technological Era**

The idea of the video took inspiration from the analogy between the Neolithic graffiti art and the particle tracks created by collisions in accelerators. In the technological era rock engravings and paintings are replaced by digital representation techniques, and the eyes of the caveman are substituted by particle detectors. The Neolithic caves are replaced by the huge underground caves where the experiments of the LHC accelerator at Cern take place.

The elegance of the three-dimensional tracks produced in the proton-proton or lead-lead collisions, and the possibility to explore and elaborate them by generating images and animations, pushed us to create true contemporary graffiti, and eventually to the Digital Graffiti video.

The audio track was made using a distorted bass guitar and image sonification techniques developed from software applications for the visually impaired. These techniques analyse the single video frames, producing sonification stripes which are then converted into sound.

The resulting soundtrack is strongly connected and synchronized to the video and makes Digital Graffiti a complete audiovisual experience.

*<http://alicematters.web.cern.ch/digital-graffiti>*

**Bruno Alessandro:** concept, pictures, graphic editing, direction.

**Marco Brizio:** direction, video editing, sonification, music.