

## **Proposal for the Exhibition of : Digital Graffiti from a Technological Era**

*Digital Graffiti from a Technological Era* is a work consisting of a video and some images engraved on plexiglas (table).

The idea 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.

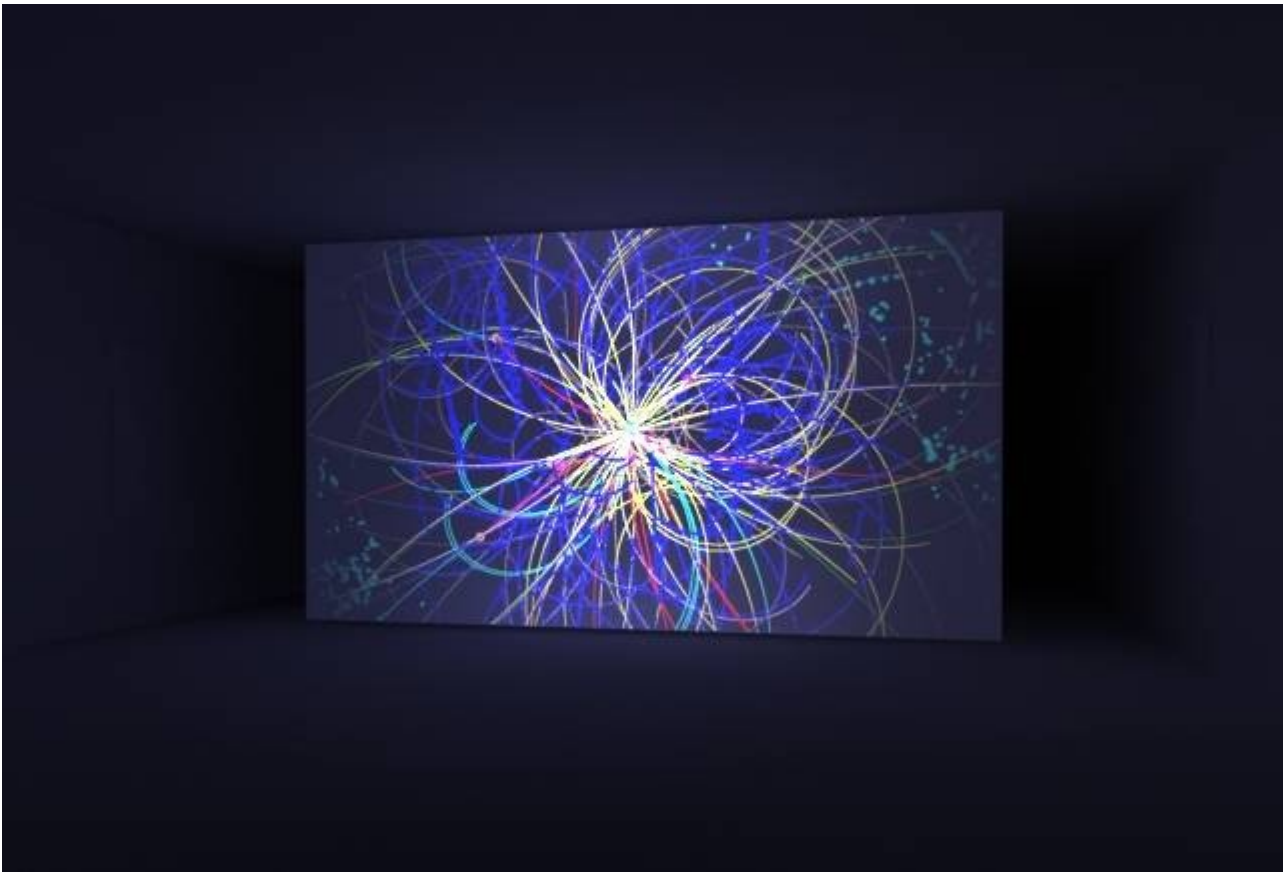
The elegance of the three-dimensional tracks produced in the proton-proton or lead-lead collisions, and the possibility to explore and elaborate them by generating images and animations, pushed us to create true contemporary graffiti, and eventually to the Digital Graffiti video.

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.

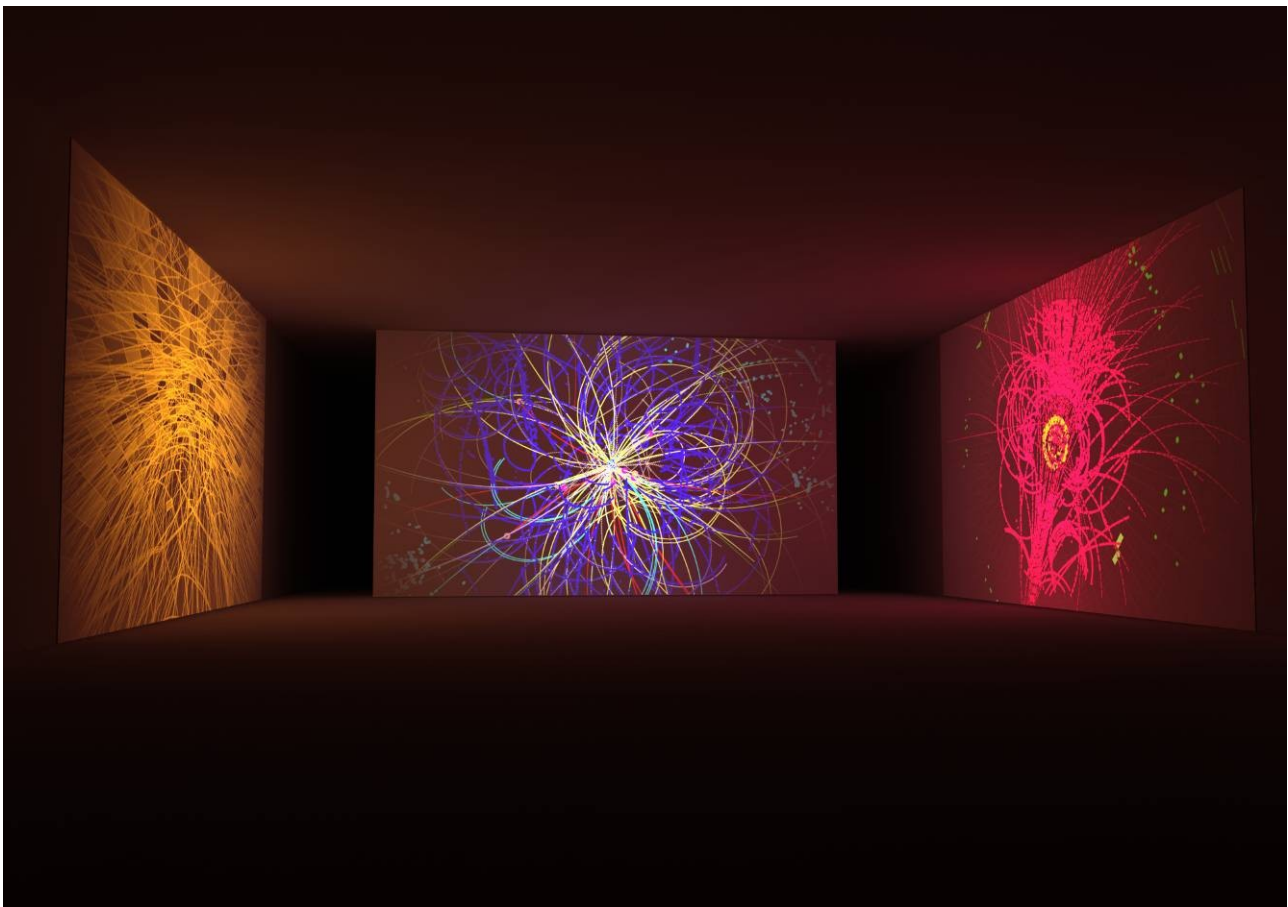
The resulting soundtrack is strongly connected and synchronized to the video and makes Digital Graffiti a complete audiovisual experience.

The work could be fully exhibited in two rooms. In a first dark room the video should be projected onto three large walls with the music that follows the images of the central wall. The sequences of the images are always the same in the three walls but displaced in time.

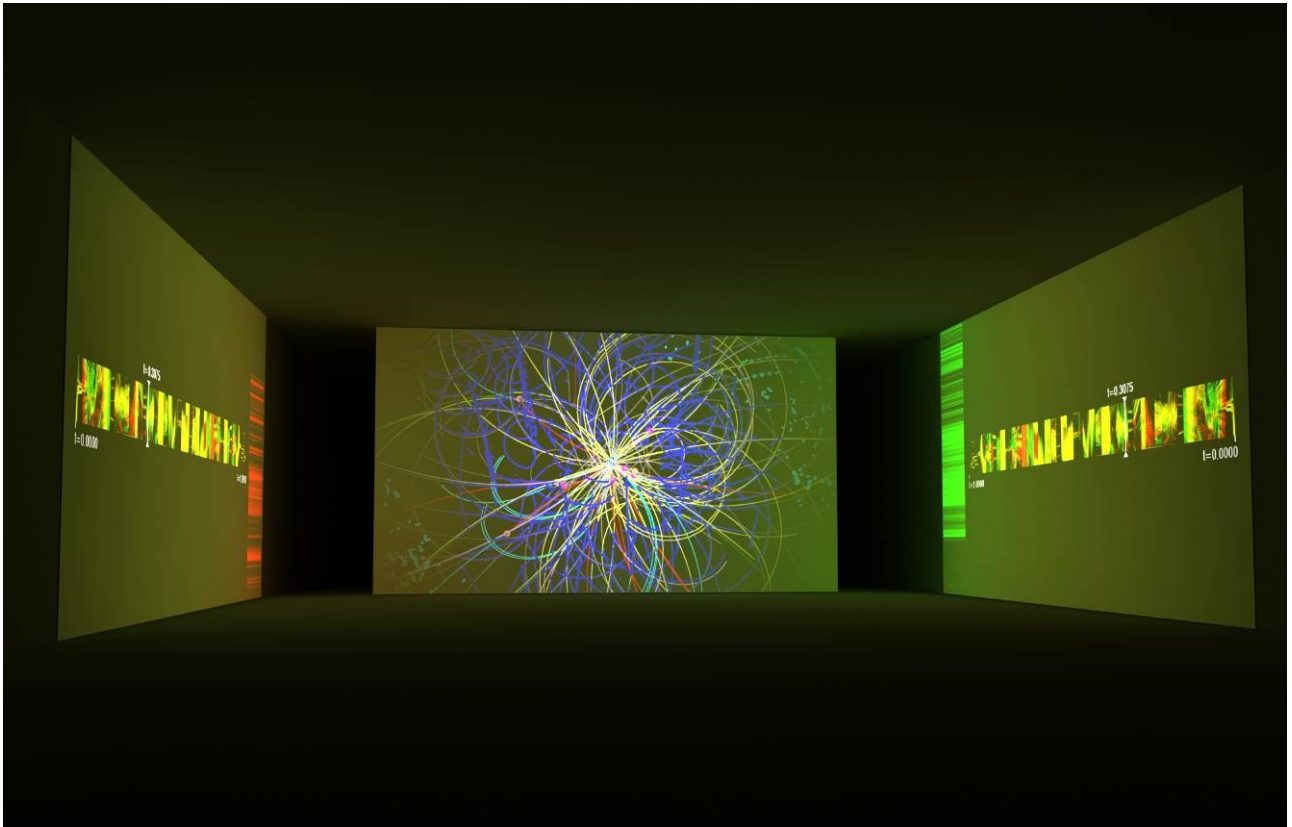
Below we show some pictures as an example about the possible preparation on the first room with the video. In the first picture we show the effect of a single project and in the second picture the improvement obtained projecting the video in three walls as explained above.



projection, single



projection, triple



projection, triple with sonification stripes

In a second room the images engraved on plexiglas, backlit with programmable led composing the proper Digital Graffiti Table should be exhibited. In the picture below we see some example of these tables.





tables : backlit engraved plexiglas panel

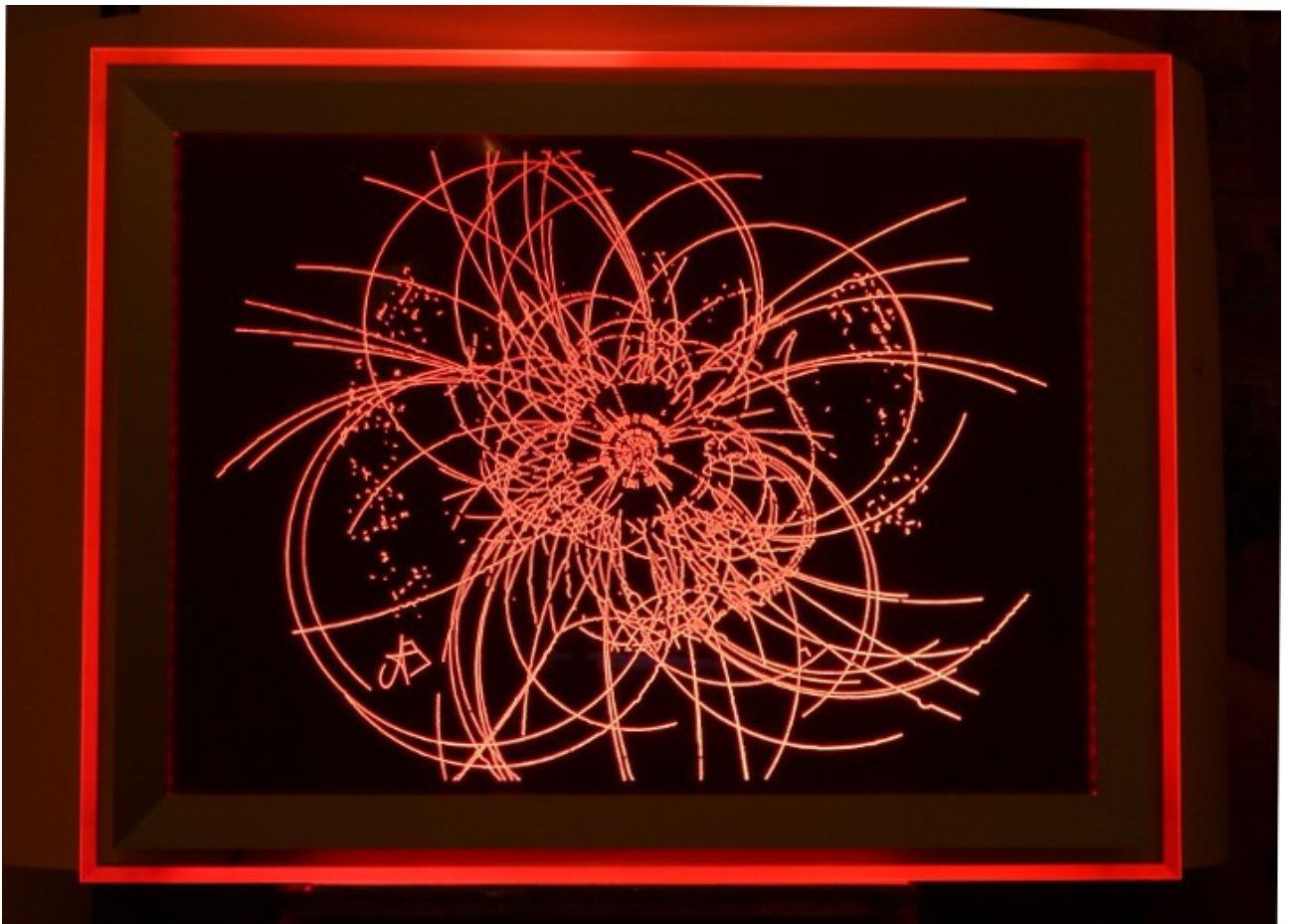
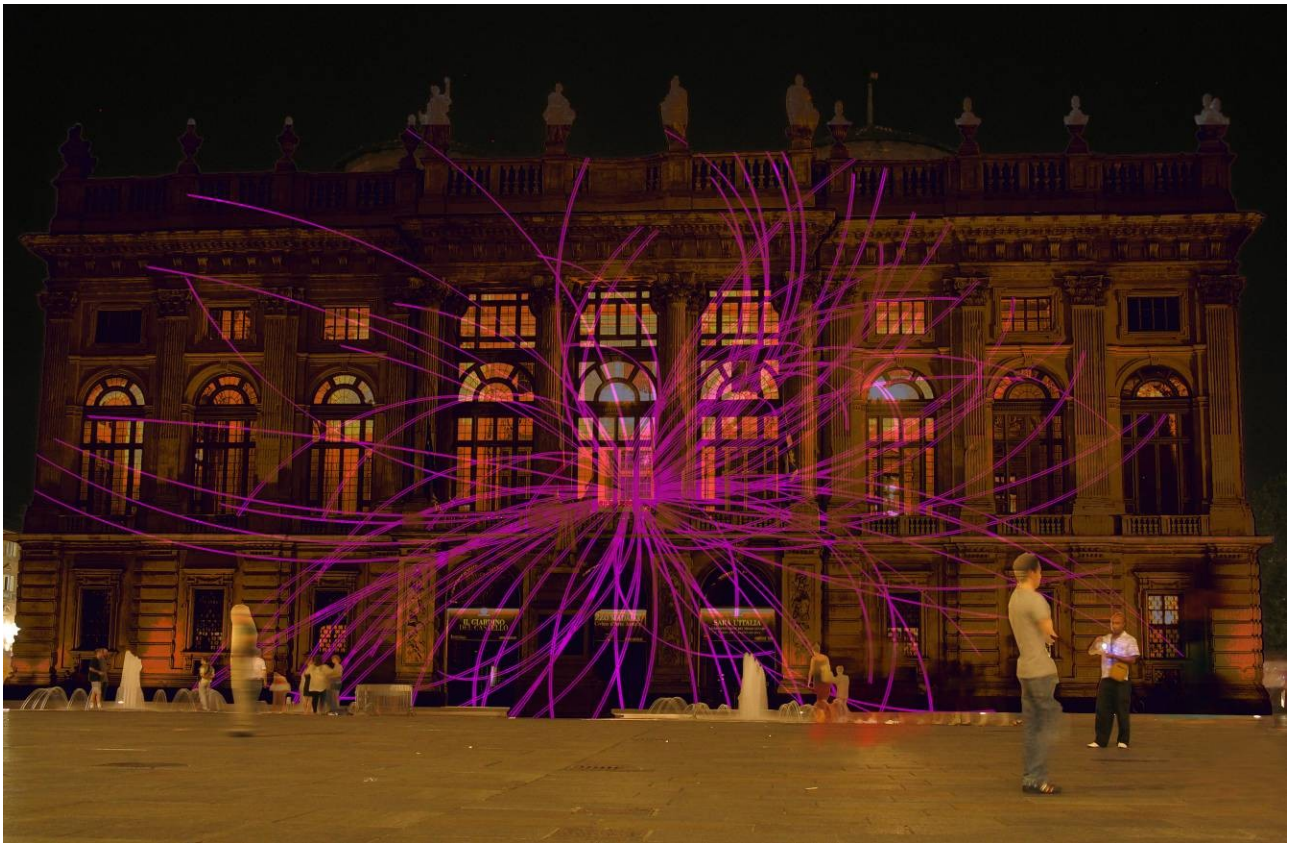




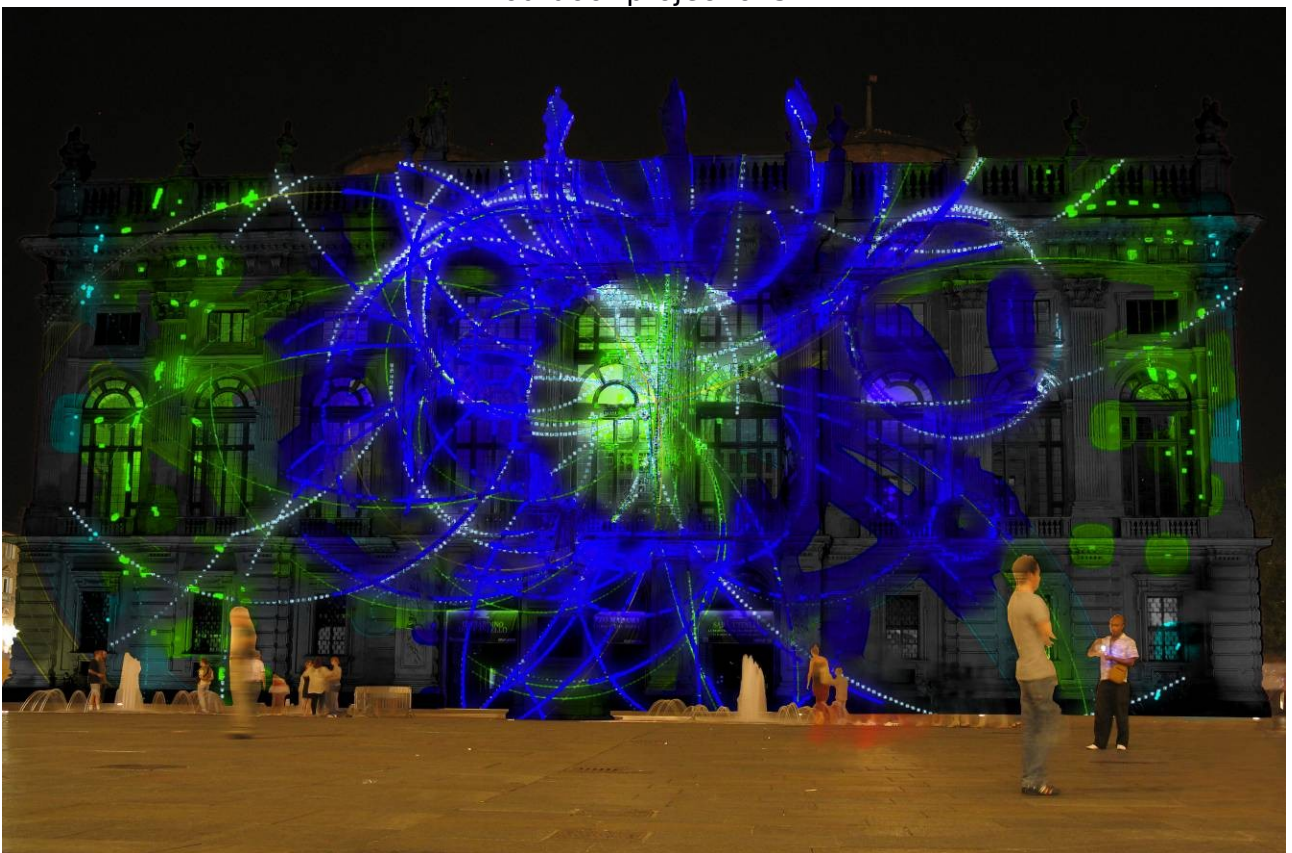
table : backlit engraved plexiglas panel

A second and different possibility is the projection of the video in a large outdoor space, like onto the external facade of a big palace in a central square of a town. To give an idea of the visual impact of such solution we show some pictures taken in Torino Piazza Castello in which some frames of the video were inserted with a digital photomontage.





outdoor projections



**Bruno Alessandro:** concept, pictures, graphic editing, direction.  
**Marco Brizio:** direction, video editing, sonification, music.