



H2020 Grant Agreement N° 690835

Deliverable D5.1 - WP5 - Due date: 30 September 2016

Title: MUSE Open Day

Type: Other

Dissemination level: Public

WP number: WP5

Lead Beneficiary: HZDR

Description:

Each second years HZDR opens the doors of the Laboratory to the general public. Posters, interactive simulations, discussions about goals, methods and results of the research make alive the interaction with the public. This document summarizes the MUSE activity in the specific frame of the event HZDR Open Day on May 28, 2016. The event "Lange Nacht von Wissenschaft" on June 10, 2016, has been also an occasion to show MUSE posters to the public.

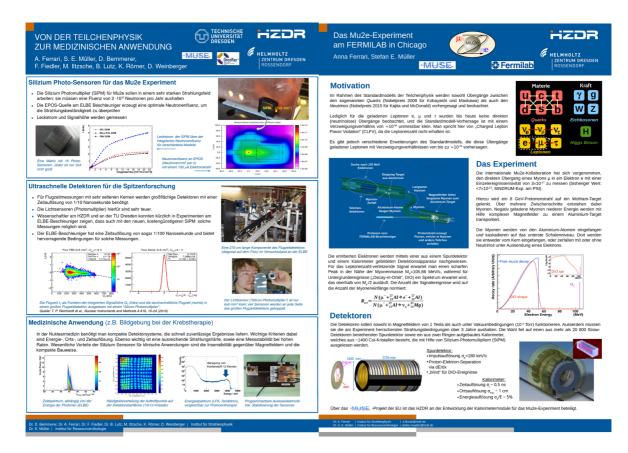
HZDR Open Day

3400 people visited the Helmholtz-Zentrum Dresden-Rossendorf on May 28, 2016 at the "Tag des Offenen Labors" [1]. On this sunny day, the German research center opened its doors to the public and presented its research in many ways. Situated right at the main entrance to the ELBE-accelerator facility, two posters were displayed and presented by MUSE researchers A. Ferrari and S. Müller:

"Das Mu2e Experiment am FERMILAB in Chicago" ("The mu2e experiment at FERMILAB in Chicago") covered the mu2e experiment's physics motivation, illustrated the way the measurement of muon-to-electron transition will be done and finally introduced the two main detectors of the experiment, the tracking chamber and the calorimeter

"Von der Teilchenphysik zur medizinischen Anwendung" (``From particle physics to medical applications'') showed how research on detector technology for particle physics can improve diagnostic instruments for cancer therapy.

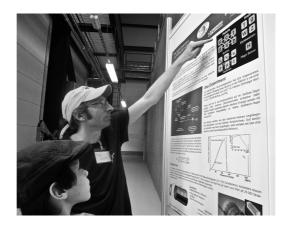
Given the prominent location at the ELBE entrance, it was possible to introduce many visitors to the Mu2e experiment and the MUSE research activities.



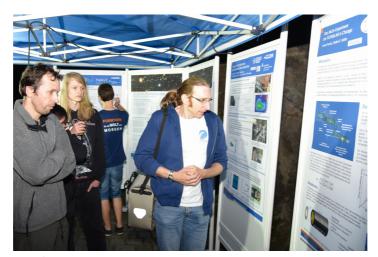
Posters presented at the HZDR Open Lab day and at the Long Night of Science in Dresden ("Lange Nacht von Wissenschaft")

Dresden Long Night of Science

Every year, the city of Dresden, together with its universities and research institutions, organizes a "Long Night of Science" [2]. HZDR presented its research on particle and astroparticle physics at the ``Felsenkeller"-location, where currently a low-background laboratory for the study of rare nuclear reactions with a 5MV pelletron accelerator is under construction. MUSE researchers D. Bemmerer and S. Müller used the occasion to present the two MUSE-posters, and received considerable attention despite the late hour.



S. Müller explains the motivation for the Mu2e-experiment at the HZDR Open Day



S. Müller introduces the Mu2e-experiment around midnight to an interested public during the Dresden Long Night of Science

Both events have been documented on the MUSE webpage [3][4].

- [1] http://www.hzdr.de/db/Cms?pNid=2828 (in German)
- [2] http://www.wissenschaftsnacht-dresden.de/
- [3] http://muse.Inf.infn.it/event/hzdr-tag-des-offenes-tur/
- [4] http://muse.lnf.infn.it/event/hzdr-muse-dresden-long-night-of-the-sciences/