



CERN Science Gateway is a visitor centre of the eponymous European organization in Switzerland that conducts basic research on elementary particle of the universe. CERN aims to expand the frontiers of human knowledge.

In the new education outreach centre, visitors experience an unique journey in physical proximity of accelerators, detectors, facilities and researches. Visitors of all ages are welcome to discover the backgrounds, discoveries and science and technology of CERN. Various interactive exhibits, multimedia projections and lab workshops take visitors to insights into the fundamental laws of nature.

CERN wants to create a world where science and education are part of everyone's lives. With CERN Science Gateway, they hope to give visitors a sense to understanding the science of life.



### Authority

CERN  
Espl. des Particules 1  
1217 Meyrin  
Switzerland  
T +41 22 767 84 84

### Location

Myrin, Switzerland

### Destination

Visitor centre

### Type of exhibition

Permanent

### Project director

Maarten Taborsky

CERN Science Gateway consist of different zones. Bruns was responsible for the zones Our Universe and Quantum World.

Our Universe was created in collaboration with design agency Tinker Imagineers and partners Mansveld and Yipp. Bruns was responsible for the total realization from coordination to ongoing design development, engineering, production and installation.

There are still many mysteries in the universe that scientists are trying to answer. In 'Back to the Big Bang' of the zone Our Universe, as visitor you discover this world of research. You go through an eight-diameter tube lined with acoustic cloth and step back in time 13.8 billion years, to the very beginning. You experience how the universe evolved into what we see around us today. Various interactive exhibits challenge you as visitor to experiment. Design your own start and shoot it into space, play with the proton scale and try to capture antimatter. Or discover the power of gravitational waves in the exhibit 'Gravitational Waves'.

In addition to 'Back to the Big Bang', Our Universe also consist of 'Exploring the unknown': a room for contemporary art. In this space work are presented of artists who are inspired by the exchange with scientists of CERN. Bruns developed interactive presentation columns for 4-dimensional objects.

In the zone Quantum World, Bruns was responsible in collaboration with the France design agency du&ma for the realization of all physic hands-on interactive parts. The software and hardware were provided entirely by partners Skynight and BlueYeti.

In Quantum World, a large experience has been developed in which you, as visitor, become quantum particle yourself and travel the journey. A 20-minute interactive adventure, accompanied by a guide, experiencing the quantum effect. There are also several interactive games such as quantum karaoke, entangled particle search, the quantum tunnel game and quantum tennis.

CERN Science Gateway is the unique interactive education outreach centre for getting closer to the matter of the universe.



### Design

#### Our universe

Tinker Imagineers  
Hamburgerstraat 23  
3512 NP Utrecht  
The Netherlands

#### Quantum World

du&ma  
154 Rue Overkamp  
75011 Paris  
France

### Start

October 2020

### Delivery

October 2023