



*Gymnasium Villa Elisabeth*

<http://privatschulen-ve.de/gymnasium-villa-elisabeth.html>

Gymnasium Villa Elisabeth is a private secondary school located in Wildau in the south of Berlin, Germany. It has an international orientation and a developing focus on natural sciences. Cooperations exist with the TH Wildau, the DESY in Zeuthen and the Netzwerk Teilchenwelt, a German outreach group for particle physics. 2016 marks Villa Elisabeth's 4<sup>th</sup> participation in the International Cosmic Day. As in 2015 we had a day BC (Before Cosmicday) to give our students a crash course into particle physics and cosmic particles. The days AC were used to perform longer experiments, such as muon decay and muon speed. Participating students attend two physics courses of grade 11.

From our side this year's participants were our students Leonard Biedermann, Oliver Buck, Maximilian Fender, Pauline Gehrke, Pieter Hartwig, Marc Heinemeyer, Helene Hielscher, Niklas Hütten, Leoni Itzigel, Miriam Karschunke, Max Kuhn, Tina Latz, Tim Lauterbach, Maximilian Lebek, Nele Lehmann, Franz Martin, Sören Mittag, Erik Mittelstaedt, Luca Pirschel, Lena Rusdorf, Leon Seide, Sung Woo Yi, Leonard Wasserkampf, Franz Weiß as well as the physics teachers Marco Muth and Stefan Bläß, PhD. We are particularly grateful to Carolin Schwerdt from the DESY, Zeuthen, for providing the hardware (muon detectors – CosMO and Kamiokannen) and organizing the ICD. We are also grateful to Hans-Peter Bretz and Moritz Hütten for their theoretical input, experimental coaching, data mining and last not least an enthusiastic presentation of their scientific work at DESY at the end of the day. Last not least we are grateful to Roman Kobosil, this year's participant at the LHC workshop for students at CERN, for being a guest speaker.

In cooperation with



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