

## AKjDPG 3: yHEP Physicists Beyond Academia

Time: Tuesday 19:00–21:30

Location: ZHG008

**Invited Talk** AKjDPG 3.1 Tue 19:00 ZHG008  
**From a clean lab to dirty barns** — ●SONJA ZEISSNER — VetVise GmbH, Hannover, Germany

If you happen to love academia, but you also have a family and don't want to move every two years, what do you do? Right, you leave academia. I, however, found a job that is still fairly close to doing research.

We are going to take a look at what I do as a data scientist at VetVise GmbH, a start-up that is using data analysis and machine learning to improve yields and animal welfare in livestock farming. We are going to find out about the similarities and differences of working with elementary particles and chickens. And we are going see if getting a Ph.D. in HEP can actually prepare you for working with data from pig barns.

**Invited Talk** AKjDPG 3.2 Tue 19:25 ZHG008  
**From Academia to Actuarial: Bridging Science and Business** — ●REINKE SVEN ISERMANN — Göttingen

In this talk, I'll share my journey from academia to the insurance industry, exploring how a background in theoretical high energy physics research led to a career as an actuary. I'll discuss the parallels between solving scientific problems and tackling actuarial challenges, as well as the hurdles and opportunities that come with transitioning between these fields.

**Invited Talk** AKjDPG 3.3 Tue 19:50 ZHG008  
**Enabling the future through light - Product Line Manager at Excelitas** — ●JULIA GRANGET — Excelitas - Qioptiq Photonics GmbH & Co. KG

Excelitas provides innovative photonic components and subsystems to global OEMs who are seeking the highest-performance solutions from a market-driven partner.

My path from a PhD in detector physics to product line management in the business unit Semiconductor Equipment will be presented in this talk. In addition, a brief introduction of Excelitas and my work in the Semiconductor business will be given.

**Invited Talk** AKjDPG 3.4 Tue 20:15 ZHG008  
**Podium discussion with the three speakers** — ●MICHAEL LUPBERGER — University of Bonn — yHEP

A podium discussion follows the presentations of the three speakers. They are all former particle physicists now working outside academia. The audience is welcome to ask questions, in particular regarding e.g. career path, skills learned in physics usable in the commercial sector, working atmosphere, decision-making for leaving academia and much more. I will moderate the discussion and co-chair the presentations of the speakers.