

Job Offer Student Employee

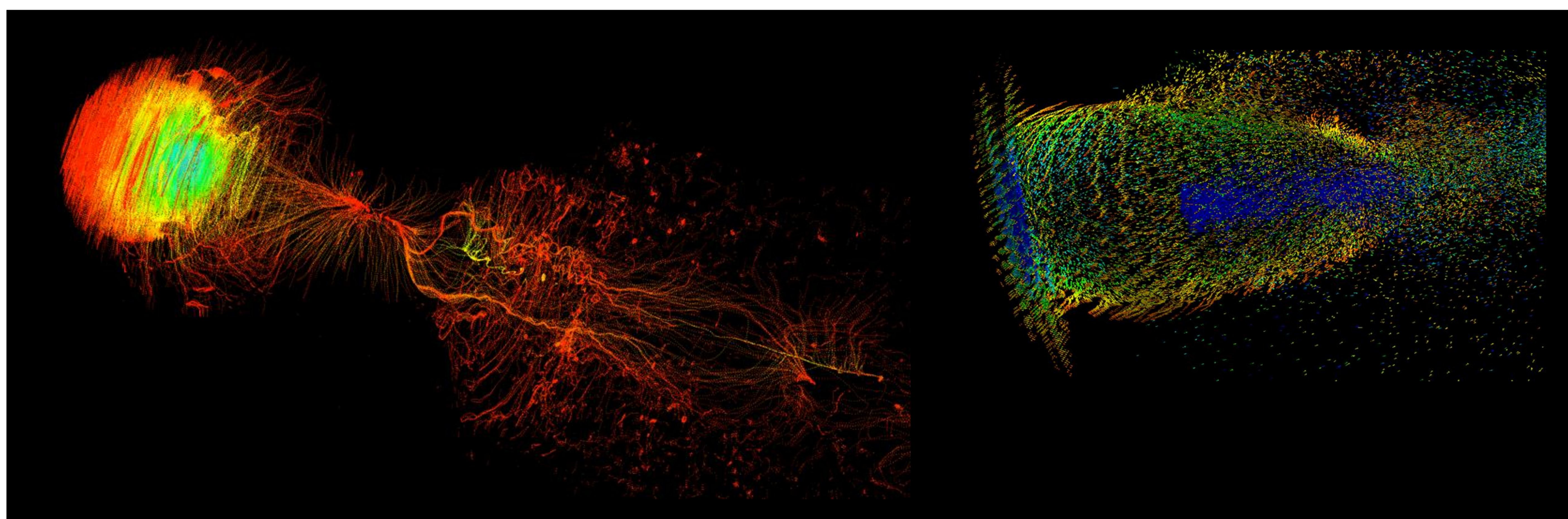


Research:

At HZDR the research focuses on developing next generation particle accelerators driven by advanced high-power laser sources. The goal is using these new accelerating beams to produce particle beams for radiation tumor therapy. Our group, in close cooperation with ZIH, focuses on realistic, large-scale simulations of these new acceleration schemes with atomic resolution, using advanced accelerator hardware such as GPUs and working on large-scale HPC systems such as the TITAN supercomputer at Oak Ridge National Laboratory.

Project:

A data life cycle infrastructure and Science Gateway will be created to allow for the efficient management and intuitive execution of these large-scale simulations.



Requirements:

Java programming, scripting, Linux administration, English skills

Contact:

Dr. Michael Bussmann, m.bussmann@hzdr.de

Richard Grunzke, richard.grunzke@tu-dresden.de