Contribution ID: **16** Type: **poster**

LIGHT: Improving the proton beam homogeneity and first imaging results

Monday, 25 September 2017 19:30 (1 hour)

The Laser Ion Generation, Handling and Transport (LIGHT) collaboration makes a significant impact in the field of laser-driven ion acceleration. Within this collaboration, laser-driven ion acceleration is combined with conventional accelerator technology (see talk). One research topic within the LIGHT project is the improvement of the beam homogeneity and demonstrate the proton imaging capability.
First results will be presented on the poster.

Primary author: JAHN, Diana (Technische Universität Darmstadt)

Co-authors: BLAZEVIC, Abel (GSI Helmholtzzentrum für Schwerionenforschung, Helmholtz-Institut Jena); BRABETZ, Christian (GSI Helmholtzzentrum für Schwerionenforschung); SCHUMACHER, Dennis (GSI Helmholtzzentrum für Schwerionenforschung); Mr KROLL, Florian (Helmholtz-Zentrum Dresden-Rossendorf); BRACK, Florian-Emmanuel (Helmholtz-Zentrum Dresden-Rossendorf); Mr DING, Johannes (Technical University Darmstadt); Prof. ROTH, Markus (Technische Universität Darmstadt); COWAN, Thomas (Helmholtz-Zentrum Dresden-Rossendorf); Prof. SCHRAMM, Ulrich (Helmholtz-Zentrum Dresden-Rossendorf); BAGNOUD, Vincent (GSI Helmholtzzentrum für Schwerionenforschung, Helmholtz-Institut Jena)

Presenter: JAHN, Diana (Technische Universität Darmstadt)

Session Classification: Wine and Poster Session 1(WG1-WG2-WG3-WG8)

Track Classification: WG2 - Ion Beams from Plasmas