



## PhD position: Photons from extreme QCD matter with ALICE

The ALICE group at Physikalisches Institut is currently looking to fill a PhD position on the analysis of data from the ALICE experiment at the LHC. The ALICE experiment at CERN's Large Hadron Collider (LHC) studies the quark-gluon plasma (QGP), a state of matter at extremely high temperatures made up of free quarks and gluons. Thermal photons produced in the quark-gluon plasma provide a unique tool to characterize its properties. In particular, they allow us to measure the QGP temperature. High-statistics data sets were acquired in the recent LHC runs, providing the opportunity to measure photons with unprecedented precision. We are looking for a doctoral student with a strong interest in nuclear and particle physics who has a background in data analysis with C++/root.

Please send applications to

Prof. Dr. Johanna Stachel  
([stachel@physi.uni-heidelberg.de](mailto:stachel@physi.uni-heidelberg.de))

and

Prof. Dr. Klaus Reygers  
([reygers@physi.uni-heidelberg.de](mailto:reygers@physi.uni-heidelberg.de))

Applications should contain a CV, all certificates, transcripts, and the names and contact details of two referees. Applications are considered until the position is filled. Those which are received before May 15th, 2019 get our full attention. If you have any questions, please do not hesitate to contact us!