HELMHOLTZ GEMEINSCHAFT
Helmholtz-Institut Mainz

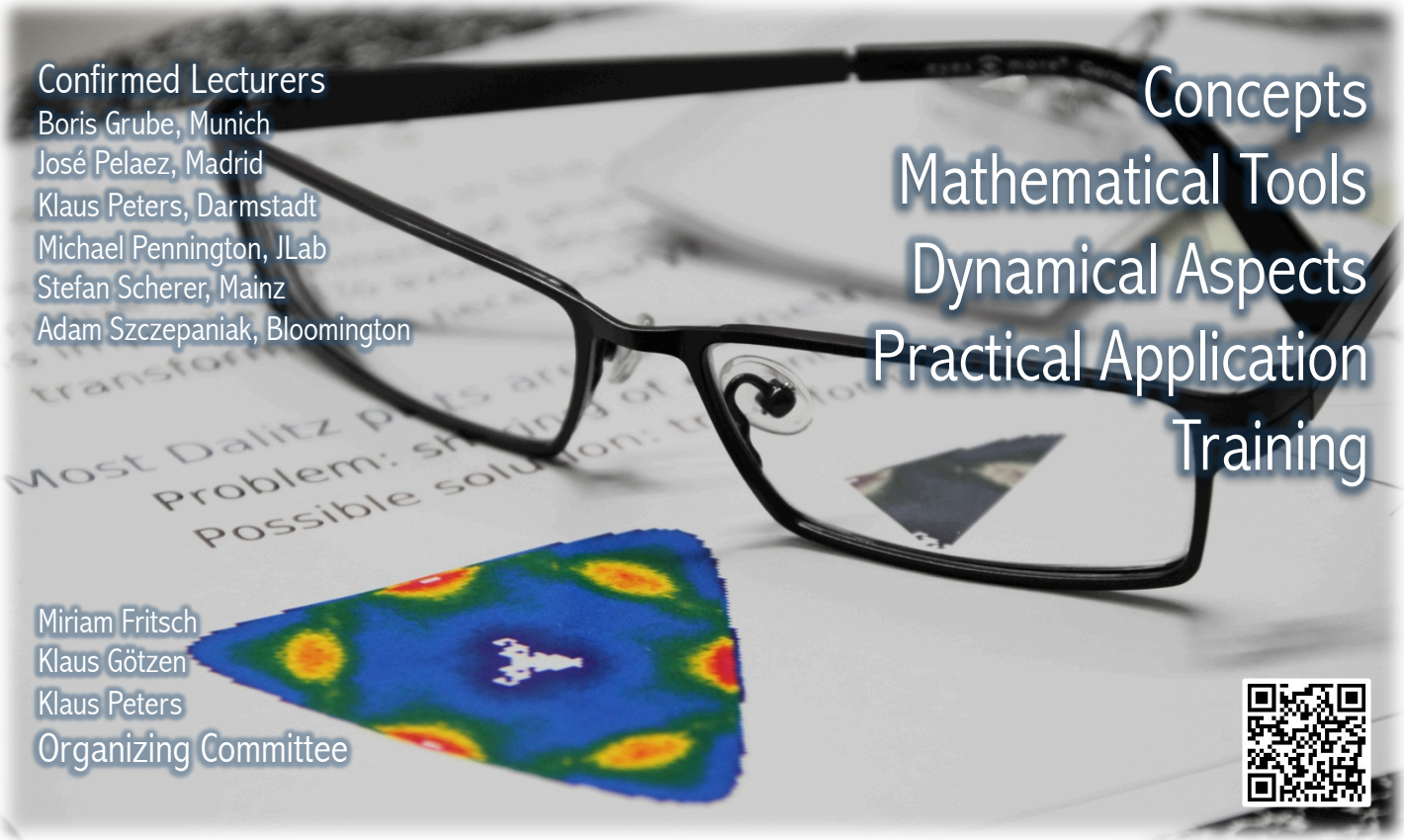
School on Concepts of Modern

Amplitude Analysis Techniques

Summerschool, September 18-26, 2013
Flecken-Zechlin, Germany

Amplitude analysis is a mandatory tool to study few-particle decays, since the resulting spectra (Dalitz plots and generalizations thereof) in general contain very rich structures. These structures teach us a lot about the spectrum of hadrons and their intrinsic properties to unveil e.g. the mystery of strong binding and the question of a much richer spectrum than only conventional mesons and baryons. But the physics opportunities reach much beyond this. Any observable appearing in interference effects of hadron production and decay will be accessible this way, which opens the door to electroweak physics and physics beyond the standard model.

For the analysis of precision experiments at PANDA, BESIII, LHCb, JLab 12 GeV, COMPASS, BaBar and Belle II, the Helmholtz Institute Mainz is organizing a two week advanced course covering Techniques of Amplitude Analysis, aimed at advanced doctoral students and postdoctoral researchers in hadron and particle physics. This school is especially dedicated to experimentalists.



Registration until June 10, 2013

For more information: http://www.him.uni-mainz.de/pwa2013