First Bulletin

The purpose of this School is to provide a broad introduction to current research and modern methods of flavour physics. The School is aimed at PhD students and postdoctoral researchers from all areas of theoretical and experimental flavour physics. Lectures and exercises will cover

- meson-antimeson mixing and CP violation,
- rare decays of K and B mesons,
- chiral perturbation theory,
- lattice gauge theory,
- heavy-quark effective theory, soft-collinear effective theory and non-relativistic QCD,
- flavour and new physics: supersymmetry, extra dimensions and little Higgs models,
- lepton flavour physics,
- radiative return and Monte Carlo techniques,
- flavour physics at hadron colliders,
- (super-) flavour factories.

The School will be held on the campus of Karlsruhe University. This is located next to the Baroque castle that marks the centre of the city. From Karlsruhe, it is easy to make full day, or afternoon, trips by public transport (tram or train) to a number of scenic towns and cities, including Heidelberg, Strasbourg, Landau, Neustadt, Schwetzingen and spa towns like Baden-Baden, Bad Herrenalb and Bad Wildbad. The hiking trails of the Black Forest can also be reached using local trams. The area surrounding Karlsruhe (Baden, the Palatinate and Alsace) is famous for Riesling and Pinot Blanc wines. Karlsruhe/Baden-Baden airport is served by Ryanair and other low-cost airlines. Karlsruhe can be reached easily by train from Frankfurt and Stuttgart airports. High-speed railways link Karlsruhe to Paris, Zurich, Amsterdam and Basel.

The school is joint organised by the Marie Curie Research and Training Network FLAVIANet and the Karlsruhe Graduate College High Energy Physics and Particle Astrophysics.

URL: http://www-ttp.particle.uni-karlsruhe.de/~flavianet-web