

Ahmed Ali in the DESY Theory Group.

More than thirty years connecting quarks with observations



Andreas Ringwald
Festkolloquium Ahmed Ali
DESY, Hamburg, 21 June 2011

Ahmed's scientific way to DESY:

- 6 April 1946: born in Saharanpur, India
- 1968: M.Phil., Theoretical Physics, Islamabad University, Pakistan
- 1971: Ph.D., Theoretical Physics, Islamabad University, Pakistan
- 1972-1973: Research Fellow, ICTP, Trieste, Italy
- 1973-1975: Research Associate, Stevens Institute of Technology, Hoboken, New Jersey, USA
- 1975-1976: Humboldt-Fellow, II. Inst. Theor. Physik, Hamburg, D
- 1976-1978: Research Assistant, II. Inst. Theor. Physik, HH, D
- 1978-2011: Staff Member, Gruppe T, DESY, Hamburg, D



More than 30 years connecting quarks with observations:

> Jet physics in QCD

- QCD-based fragmentation model one of main theoretical tools in analysis of gluon jets at PETRA (1979) (DESY)

> Flavor-changing neutral-current processes

- Crucial papers for interpretation of large same sign dilepton production observed by UA1 (1985/86) in terms of B^0 - B^0 mixing, confirmed by ARGUS (1987) (DESY)

> Rare B-decays

- Prediction of photon energy spectrum core of the first measurement of the radiative penguin decay $B \rightarrow K^* \gamma$ by CLEO (1995)
- Discovery of electroweak penguins in B decays by BaBar, Belle, CDF, suggested by Ahmed with collaborators

> QCD factorization approaches in non-leptonic decays of B hadrons

> Phenomenology and search strategies for multi-quark states

Details: Talks by Gudrun Hiller, Gustav Kramer and Thomas Mannel



Ahmed's role @ DESY T:

- > Scientific contributions among the most important pillars of the world-wide reputation of DESY T
- > Effervescent source of knowledge about phenomenology of elementary particles, exploited by all generations in DESY T and II. Inst.
- > Good taste and flavour in our annual postdoc selection staff meetings
- > Shaped many of the phenomenologically oriented DESY T Workshops
- > Took care of summer student programme in DESY T

WE ARE EXTREMELY HAPPY THAT AHMED
DECIDED TO STAY WITH US SO LONG
(AND CONTINUES TO DO SO)!

