

Symposium „50 Jahre Institut für Kernphysik“

Thursday, 30 September 2010 and Friday, 1 October 2010

Preliminary program (as of September 12, 2010):

Th, 30.9, 10:30

Welcome and introduction

Jan Jolie 10 min

Th, 30.9., 10:40 “Brentano 75 “

Peter von Brentano 75

Q-phonons: More than mere O(5) rotations

How to make theory with Peter

chair: **Rodi Herzberg**

Richard Casten (45 min)

Norbert Pietralla (20 min)

Rostislav V. Jolos (20 min)

Lunch break: 12.15-13.30

Th, 30.9, 13:30 ” IKP and the world”

The role of the IKP in Europe

Japan-IKP

Bucarest-IKP

The IKP from a student’s view point

chair: **Peter von Brentano**

Sotirios Harissopoulos (20 min)

Takaharu Otsuka (30 min)

Victor Zamfir (20 min)

N.N. (20 min)

Th, 30.9, 15:00 “Accelerators”

Accelerator development at IKP

Why accelerators at universities are needed

From stable to radioactive beams

The role of the target maker

chair **Otto Schult**

Alfred Dewald (30 min)

Ingo Wiedenhöver (20 min)

Reiner Krücken (20 min)

Oskar Zell (20 min)

Coffee break: 16:30-17:00

Th, 30.9, 17.00 “Experiment versus Theory”

Mixed Symmetry states, past and future

How to prove triaxiality

Phase transitions

How to make theory with Jan

chair **Andreas Zilges**

Kris Heyde (30 min)

Adrian Gelberg (20 min)

Volker Werner (20 min)

Pavel Cejnar (20 min)

End 18:30

Fr, 1.10, 9:30 Session Methods

chair **Chris Wesselborg**

30 years of polarization, few-body systems, and all that

Hans Paetz gen. Schieck (30 min)

Two decades of a pleasant and successful collaboration of IKP Cologne and IfS Stuttgart

Ulrich Kneissl (20 min)

g-Factors

Karl-Heinz Speidel (20 min)

Lamb shift experiments at IKP

Anthimos Georgiadis (20 min)

Coffee break 11:00-11:30

Fr, 1.10, 11:30 Session: Gamma-ray spectroscopy chair **Peter Reiter**

Ge detectors: What happened in the last 50 years

Jürgen Eberth (20 min)

From multi detector systems to AGATA

Dino Bazzacco (20 min)

Perturbed gamma angular correlations

Peter Lieb (20 min)

Lifetimes

Pavel Petkov (20 min)

Closing: 12:50

The site of the symposium is the Physics Building of the Universität zu Köln, Zùlpicher Str. 77 in Köln.

On Friday at 14:00 the official inauguration of the new Tandem+AMS facility will take place.