

**Programm Studientage 29./30. November 2017** (Stand 20.11.2017)

| Mittwoch, 29.11.2017 |    |  |   | Donnerstag, 30.11.2017 |   |  |  |  |
|----------------------|----|--|---|------------------------|---|--|--|--|
| Anreise              |    |  |   | <b>Phy 9.2.01</b>      |   |  |  |  |
|                      |    |  |   | 10h15                  | T | Christian Zimmermann<br><i>Hadron Physics and Lattice QCD</i>  |  |  |
|                      |    |  |   | 11h15                  | M | Andreas Baer<br><i>Relaxation of Hydrogen Bond Network in Water<br/>subject to an electric field</i>           |  |  |
|                      |    | <b>Phy 9.2.01</b>  |   |                        |   | <b>General Discussion</b>  |  |  |
| 15h00                | T  | Norbert Bodendorfer<br><i>Quantum Gravity in Regensburg</i>  |   | 12h00                  |   |  |  |  |
| 16h00                |    | <b>Kaffeepause</b>   |   | 12h30                  |   | <b>Mittagspause</b>  |  |  |
| 16h30                | Pr | Theresa Götz<br><i>Analyzing Electromagnetic Tracking Data from High<br/>Dose Rate Brachytherapy - A potpourri of machine<br/>learning tools</i> |   |                        |   | <b>Phy 4.1.12</b>  | <b>Phy 4.1.13</b>  |  |
|                      |    | <b>Phy 4.1.12</b>  | <b>Phy 4.1.13</b>   | 14h00                  | B | Max Fahn<br><i>Asymptotic analysis of many-<br/>body interference in Boson<br/>Sampling devices</i>            | Dennis Wuhler<br><i>Magneto-Transport in curved<br/>TI-Nanowires</i>   |  |
| 17h30                | P  | Patrick Ketzko<br><i>A path integral approach to<br/>active matter</i>   | Florian Dötzer<br><i>The optical analogon to<br/>vibrational bonding</i>                      |                        |   | Laura Herold<br><i>Harmonic-oscillator<br/>eigenfunctions of a single-mode<br/>Mukhanov-Sasaki Hamiltonian</i> | Johannes Baumann<br><i>Induced spin-orbit coupling<br/>effects in Al grown on InAs<br/>measured by ARPES</i> |  |
| 18h00                | P  | Tim Stüven<br><i>Seasonal Variations of the<br/>Atmospheric Muon Flux at<br/>the KM3Net site</i>   | Niklas Hofmann<br><i>Controlling spatial light<br/>modulation with genetic<br/>algorithms</i> | 14h45                  | P |  |  |  |

|       |      |   |   |       |      |  |   |
|-------|------|---|---|-------|------|--|---|
| 18h30 | P    | Refik Mansuroglu<br><i>Quantum Einstein Equations in the Gowdy model - Degenerate Perturbation Theory on the physical Hamiltonian</i> | Laura Diebel<br><i>Photocurrent Generation in Weyl Semimetals</i> | 15h15 | B    | Manuel Meierhofer<br><i>High-speed control of electron spins and optical transitions in nitrogen-vacancy centers on a chip</i> | Timo Eckstein<br><i>Design, simulation and survey of a magnetic spectrometer for the upgraded dielectric laser accelerator experiment</i> |
| 19h00 | Ende |   |   | 16h00 | Ende |  |   |

T: Tutorial, Pr: Promotion, B/M: Bachelor/Master, P: Projekt

Mittwoch 19h30: Abendessen im Fürstlichen Brauhaus, Waffnergasse 6-8 in der Innenstadt