

# Monitoring Workshop Graz – Jena – Wien

05.-07. 12. 2016, ESI, Vienna

( 30 min. slot = 20 min. talk + 10 min. discussion )

**Monday, 05.12.2016** (13 slots)

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10:00 – 10:30 Andreas Pichler: The VIP-2 Experiment at the Gran Sasso Laboratory

10:30 – 11:00 Manfred Berger: Resonant  $\Lambda_c \rightarrow \Sigma \pi\pi$  decays at Belle

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Coffee 20'

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11:20 – 11:50 Sebastian Möckel: Domain Walls in AdS/CFT

11:50 – 12:20 Julian Leiber: Quasi normal modes of charged magnetic branes

12:20 – 12:50 Maximilian Löschner: On-shell conditions in theories with flavour mixing

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Lunch break 70'

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14:00 – 14:30 Alessandro Ugolotti: Alternative derivative expansion in Functional RG and application

14:30 – 15:00 Riccardo Martini: Functional RG methods in Group Field Theories

15:00 – 15:30 Adrian Blum: Unquenching the three-gluon vertex

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Coffee 20'

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15:50 – 16:20 Mario Giuliani: Density of states methods in lattice field theory

16:20 – 16:50 Marc Steinhauser: N=1 supersymmetric SU(3) Yang-Mills theory on the lattice

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**Relocation: ESI → Faculty of Physics, Boltzmannngasse 5, 1<sup>st</sup> floor, Lise Meitner Lecture Hall**

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17:30 – 18:00 Ouraman Hajizadeh: A G2-QCD neutron star

18:00 – 18:30 Maximilian Totzauer: Sterile Neutrino Dark Matter and the Web of Cosmic Structures

18:30 – 19:00 Marcel Strzys: Astrophysics at TeV energies with the MAGIC telescopes

**Tuesday, 06.12.2016** (15 slots)

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09:00 – 09:30 Daniel Schmidt: Lattice Simulations of Four-Fermion Theories

09:30 – 10:00 Carlotta Marchis: Dualization of non-Abelian lattice gauge theories

10:00 – 10:30 Marco Catillo: Distribution of the Dirac Modes in QCD

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Coffee 20'

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10:50 – 11:20 Moritz Preisser: Top Quark Mass Calibration for Monte Carlo Event Generators

11:20 – 11:50 Daniel Samitz: Massive Quark Effects in Drell-Yan Production with Beam Cuts

11:50 – 12:20 Katharina Ecker: Measurement of the tensor structure of Higgs boson couplings in the four lepton decay channel with the ATLAS detector

12:20 – 12:50 One of the optional speakers from Jena

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Lunch break 70'

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14:00 – 14:30 Philipp Stanzer: Exploring Non-Local Observables in Shockwave Collisions

14:30 – 15:00 Stefan Hossenberger: Two Higgs Doublets and electroweak precision observables

15:00 – 15:30 Stefan Kofler: Collinear Parton Distribution Functions in a Front-Form Meson Cloud Model

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Coffee 20'

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15:50 – 16:20 Regina Schmidt: Relativistic Treatment of Baryon Masses and Decay Widths

16:20 – 16:50 Ju-Hyun Jung: The microscopic structure of  $\pi$ -N-N,  $\pi$ -N- $\Delta$  and  $\pi$ - $\Delta$ - $\Delta$  vertices

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17:30 – 18:00 Pascal Törek: Predicting the singlet vector channel in a partially Higgsed gauge theory

18:00 – 18:30 Benjamin Knorr: Gross-Neveu-Yukawa models at criticality

18:30 – 19:00 David Müller: Simulating collisions of thick nuclei in the color glass condensate framework

**Wednesday, 07.12.2016** (5 slots)

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09:00 – 09:30 Mateus Zarucki: Can SUSY be hiding in compressed scenarios?

09:30 – 10:00 Navid Rad: Compressed SUSY Scenarios: Fighting backgrounds at the LHC

10:00 – 10:30 Daniel August: Spectroscopy of two dimensional N=2 Super Yang Mills theory

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Coffee 20'

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10:50 – 11:20 Romain Contant: The quark propagator in QCD and QCD-like theories

11:20 – 11:50 Mian Walid: The weak Pion decay with Bethe-Salpeter equations

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