



# Hadronic contributions to the muon anomalous magnetic moment: strategies for improvements of the accuracy of the theoretical prediction

## Tuesday, 1 April 2014

### Plenary session (09:00 - 12:45)

-Conveners: Thomas Teubner

time	[id] title	presenter
09:00	[0] Motivation and Status of the planned muon $g - 2$ experiments	STOECKINGER, Dominik
09:35	[1] Hadronic Vacuum Polarization: perspective for data driven improvements	EIDELMAN, Simon
10:10	[24] Hadronic Vacuum Polarization: ISR Results	HAFNER, Andreas
10:45	Coffee Break	
11:15	[11] Dispersion Approach to Hadronic Light-by-Light	COLANGELO, Gilberto
11:50	[12] Modeling $\gamma\gamma \rightarrow$ hadrons and impact for Hadronic Light by Light	PENNINGTON, Mike
12:25	Discussion	

# Wednesday, 2 April 2014

## Plenary session (09:00 - 12:45)

-Conveners: Massimo Passera

time	[id] title	presenter
09:00	[14] Large-Nc inspired Approach to Hadronic Light-by-Light	NYFFELER, Andreas
09:35	[15] Hadronic Light-by-Light: What can lattice QCD achieve?	IZUBUCHI, Taku
10:10	[17] Towards a Dispersive Analysis of the $\pi^0$ Transition Form Factor	KUBIS, Bastian
10:45	Coffee Break	
11:15	[21] Phenomenological Lagrangian Approach to Hadronic Vacuum Polarization	BENAYOUN, Maurice
11:50	[18] The Role of Radiative Corrections in Hadronic Production	CZYZ, Henry
12:25	Discussion	

# Thursday, 3 April 2014

## Plenary session (09:00 - 12:45)

-Conveners: Andreas Jüttner

time	[id] title	presenter
09:00	[19] Hadronic Light-by-Light Contribution: the Resonance Lagrangian Approach	BIJNENS, Hans
09:35	[20] Dispersion Relation Approach to Hadronic Light-by-Light	PAUK, Vladyslav
10:10	[22] Two-pion Low-energy Contribution to the Muon g-2 with Improved Precision from Analyticity and Unitarity	CAPRINI, Irinel
10:45	Coffee Break	
11:15	[16] The Hadronic Vacuum Polarization Contribution Using Analytic Continuation	JANSEN, Karl
11:50	[27] Leading-order Hadronic Contribution to g-2	LELLOUCH, Laurent
12:25	Discussion	

# Friday, 4 April 2014

## Plenary session (09:00 - 12:45)

-Conveners: Maarten Golterman

time	[id] title	presenter
09:00	[23] Schwinger-Dyson Approach to Hadronic Light-by-Light	FISCHER, Christian
09:35	[10] The Hadronic Vacuum Polarization from Lattice QCD: the Role of Quark Disconnected Contributions	MEYER, Harvey
10:10	[25] $\gamma\gamma$ Physics (experiment)	KUPSC, Andrzej EIDELMAN, Simon
10:45	Coffee Break	
11:15	[26] $\gamma\gamma$ Physics (theory)	HANHART, Christoph
11:50	[13] Fits and related systematics for the Hadronic Vacuum Polarization	PERIS, Santi
12:25	Discussion	

# Saturday, 5 April 2014

## Plenary session (09:00 - 12:30)

-Conveners: Fred Jegerlehner

time	[id] title	presenter
09:00	[2] Summary and Perspectives of Lattice QCD	BLUM, Tom
09:45	[4] Summary: Hadronic Models	VANDERHAEGHEN, Marc
10:30	[28] Summary: Experimental Input	DENIG, Achim
11:15	Coffee Break	
11:45	[31] Outlook	MARCIANO, William