



# International Physics School : Simon Eidelman School on Muon Dipole Moments and Hadronic Effects

## Monday, 2 September 2024

**Poster pitch talk - ES635 (16:00 - 17:30)**

time	[id] title	presenter
16:02	[23] A1 Status report on the hadronic light-by-light contribution to the muon $g-2$ using twisted-mass fermions.	NIKOLAOS KALNTIS
16:04	[24] A2 Tau data-driven evaluation of the Hadronic Vacuum Polarization	JESÚS ALEJANDRO MIRANDA HERNÁNDEZ
16:06	[25] A3 Poles, branching ratios and high precision lineshapes	LEON HEUSER
16:08	[26] A4 Extraction of the tau magnetic moment from $e^+e^- \rightarrow \tau^+\tau^-$	JOEL GOGNIAT
16:10	[27] A5 Radiative corrections to the hadronic tau-decay	MARTINA COTTINI
16:12	[28] A6 Isospin breaking corrections to the hadronic vacuum polarization with $C^{\star}$ boundary conditions.	PAOLA TAVELLA
16:14	[29] A7 Development of the Data Acquisition System for the J-PARC muon $g-2$ /EDM Experiment	RYUTO AZUMA
16:16	[30] A8 Measurement of the process $\gamma\gamma \rightarrow f_1(1285)$ at BESIII	JAN MUSKALLA
16:18	[31] A9 Investigation of $\gamma^*\gamma^* \rightarrow \eta^{\prime}$ at the BESIII Experiment	MAURICE ANDERSON
16:20	[32] A10 Towards improved error estimators for Lattice QCD simulations	GABRIELE MORANDI
16:22	[33] A11 Optimization of the High-Repetition-Rate Pulsed Electron-Driven Muon Beamline based on SHINE Facility	FANGCHAO LIU
16:24	[34] B1 Material effects and crystal Level Energy Calibration for Calorimeters used in Muon $g-2$ Experiment at Fermilab	SIEW YAN HOH
16:26	[35] B2 Lattice determination of the NLO HVP contributions to the muon $g-2$ .	ARNAU BELTRAN
16:28	[36] B3 Tau Physics at Belle II: Progress and Prospects.	MARCELA GARCIA HERNANDEZ
16:30	[37] B4 CBO modeling in the anomalous precession frequency analysis for the Fermilab Muon $g-2$ experiment	YONGHAO ZENG
16:32	[38] B5 Towards a dynamical model for axial-vector transition form factors	HANNAH SCHÄFER
16:34	[39] B6 Precision testing of the Standard Model in studying the manifestation of $Z/\gamma$ -interference in the cross-sections of hadron production corresponding to $q\bar{q}$ -resonances using "spin gymnastics"	EGOR BEDAREV
16:36	[40] B7 Pion pair production in $e^+e^-$ annihilation at next-to-leading order matched with Parton Shower	FRANCESCO PIO UCCI
16:38	[41] B8 Hadronic contributions to light-by-light scattering in new basis	MAXIMILIAN ZILLINGER
16:40	[42] B9 Improved information criteria for Bayesian model averaging in lattice field theory	JAKE SITISON

16:42	[43] B10 A two-potential formalism for the pion vector form factor including inelastic contributions	GEORGE CHANTURIA
16:44	[44] C1 Target Studies for High-Repetition-Rate Muon Source Based on Electron Accelerator	YUSUKE TAKEUCHI
16:46	[45] C2 Temperature evolution of majoron in GeV temperature region	RYUSEI SATO
16:48	[46] C3 GPU based track finding for muon g-2/EDM experiment at J-PARC	HRIDEY CHETRI
16:50	[47] C4 Study of Neutral-Pion Pair Production in Two-Photon Scattering at BESIII	MAX LELLMANN
16:52	[48] C5 Short distance constraints from HLbL contribution to the muon anomalous magnetic moment	DANIEL GERARDO MELO PORRAS
16:54	[49] C6 The KLOE Luminosity Measurement	ALKA KUMARI
16:56	[50] C7 Higher Form Symmetries in Maxwell Theory	BORBÁLA FARKAS
16:58	[51] C8 Search for $J/\psi \rightarrow p \bar{p} e^+ e^-$ decays with the BESIII Experiment	SASKIA PLURA
17:00	[52] C9 Study of the process $e^+e^- \rightarrow p\bar{p}$ in the c.m. energy range from the threshold up to 2 GeV with the CMD-3 detector	DANIIL IVANOV
17:02	[53] C10 The use of Padé and D-Log Padé approximants in the MUonE experiment	CRISTIANE YUMI LONDON