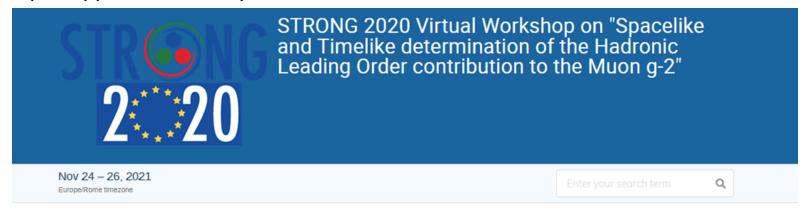
Introduction

Andrzej Kupsc Uppsala University



Starts Nov 24, 2021, 2:00 PM Ends Nov 26, 2021, 5:00 PM

Scientific Program

- · Theory for timelike processes
- · Theory for spacelike processes
- · Radiative Corrections for e+e- data
- R-measurements
- MUonF
- Strong2020 e+ e- database activity

Participant List

Program committee Proceedings

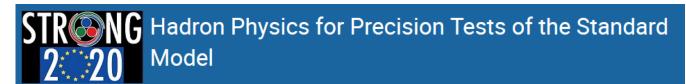
This is the first workshop of STRONG2020 WP21: JRA3-PRECISION TESTS OF THE STANDARD MODEL". It will be devoted to reviewing the WG activity and in more general to discuss the status of HVP spacelike and timelike determinations. The format will be online from Wednesday November 24 to Friday 26, with zoom sessions, 3 hours (2:00-5:00pm CET) each day. As a deliverable of this workshop we expect a book of abstracts to be submitted to ArXiv.





Context of the meeting:

- STRONG2020
- PrecisionSM project:
 - Postponed workshop
 - Deliverable: data base



1-3 June 2020

Jagiellonian Center of Innovation Sp. z o.o. (LTD)

Europe/Warsaw timezone

Overview

Scientific Programme

Registration

Participant List

Meeting fee and Payment

Location and transportation

Lodging, lunch etc

Contact info

Sponsors

Meeting photos

Transportation

Support

hans.calen@physics.uu.se

(Postponed to spring 2021 due to COVID-19!): the new date will be announced later. We plan to have discussions related to the Precision project via video conferences.

Precision Workshop 1-3 June Krakow



Starts 1 Jun 2020, 09:00 **Ends** 3 Jun 2020, 17:00 Europe/Warsaw



Andrzej Kupsc



Jagiellonian Center of Innovation Sp. z o.o. (LTD)

Life Science Park Michała Bobrzyńskiego 14 St. 30 – 348 Cracow



There are no materials yet.





- Jacek Biernat
- Varvara Batozskaya

This workshop does not have any registration fee

- Hans Calen
- Viktor Thorén
- Andrzej Kupsc



SCIENTIFIC FRONTIERS

The strong interaction at the frontier of knowledge: fundamental research and applications









LOW ENERGY FRONTIER

Precise determination of the muon anomalous magnetic moment (g-2) μ ; the CKM matrix element Vud from beta decay, and the weak mixing angle from parity-violating electron scattering. Associated novel constraints (or discovery) of physics beyond the SM.

JRA3-PrecisionSM

http://www.strong-2020.eu/

NA4-PREN

Address the "proton-radius puzzle" via combined data-theory





JRA3-PrecisionSM: Precision Tests of the Standard Model

D Joint Research

Precision experiments at low energy, often called the Intensity Frontier of the Standard Model, entail measuring parameters of SM with high precision thereby constraining the contributions of yet unknown non-standard interactions and particles. While collider searches are best suited to look for heavy new particles, low-energy tests are sensitive to the full range of new physics.





Experimental context of this proposal:

- precise determination of the muon anomalous magnetic moment
- extraction of the CKM matrix element Vud from beta decay, and of the weak mixing angle from parity-violating electron scattering (PVES).

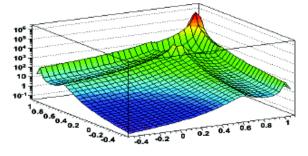
⇒ Builds on MesonNet FP7 and RadioMCLow communities ++

Lead beneficiary: JGU MAINZ - Germany

Spokespersons: Mikhail Gorshteyn, Andrzej Kupsc

Partners: INFN - Graziano Venanzoni, UU - Andrzej Kupsc

Workshop on Meson Transition Form Factors



May 29-30, 2012 in Cracow, Poland

Information References (115) Citations (1) Files Plots

MesonNet Workshop on Meson Transition Form Factors.

E. Czerwinski, S. Eidelman, C. Hanhart, B. Kubis, A. Kupsc, S. Leupold, P. Moskal, S. Schadmand.

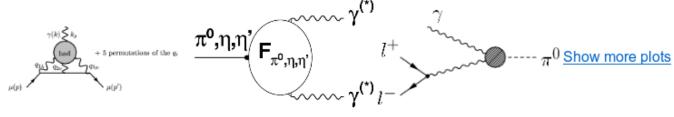
Jul 2012 69 pp.

e-Print: <u>arXiv:1207.6556</u> [hep-ph] <u>PDF</u>

Abstract: The mini-proceedings of the Workshop on Meson Transition Form Factors held in Cracow from May 29th to 30th, 2012 introduce the meson transition form factor project with special emphasis on the interrelations between the various form factors (on-shell, single off-shell, double off-shell). Short summaries of the talks presented at the workshop follow.

Note: * Temporary entry *; 69 pages, 14 figures/ all talks can be found at http://www2.fz-juelich.de /ikp//mesonnet/meetings/2012_ff_workshop.shtml

Keyword(s): INSPIRE: conference | form factor: transition | meson

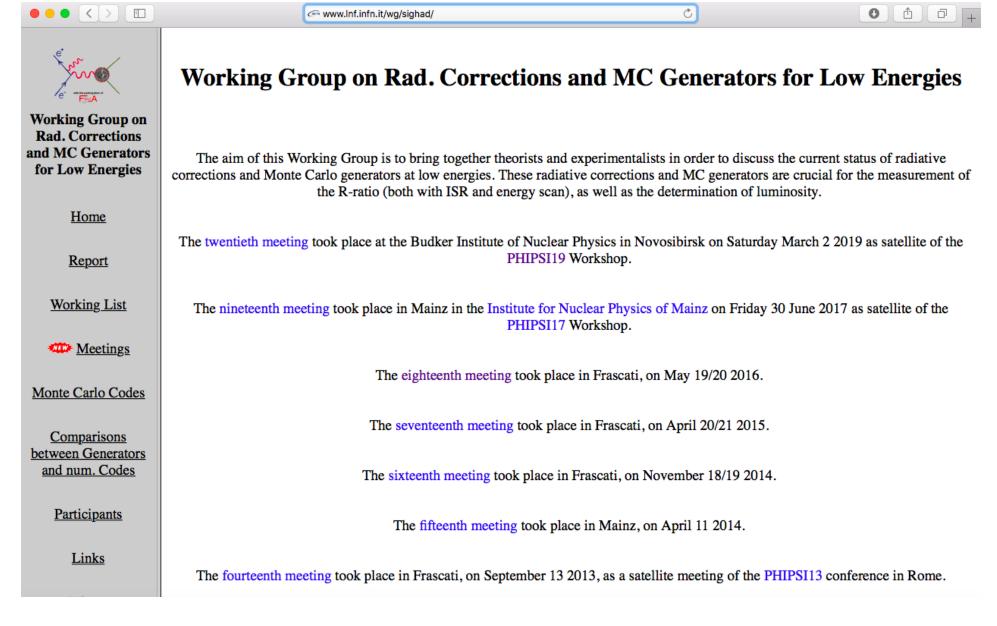


Record created 2012-07-30, last modified 2012-08-03



Radio MonteCarLow: Working Group on Radiative Corrections and MC Generators for Low Energies

- An informal room and a valuable platform to exchange ideas
- Meetings with theorists and experimentalists sitting together
- First meeting in Oct 2006. 20 meetings since then. More than 60 participants from more than 10 different countries. Last meeting on March 2019
- 2 WG coordinators (H. Czyz, G. Venanzoni)
- 7 Subgroups
- A first report in 2010: Eur.Phys.J.C 66 (2010) 585-686



Radio MonteCarlow WG page: www.lnf.infn.it/wg/sighad

Goal and structure of the meeting

- Inform about status
- Encourage discussion/synergy between theory/experiment on time-like and space-like processes
- Plan further/dedicated meetings: https://agenda.infn.it/category/1420/
 (Mailing list: strong2020-db@lists.infn.it)

24-26 November 2:00pm CET (7:00am CST) -- 5pm CET

Wed: 1st session (R measurement)
2nd session (Strong2020)

Thu: 1st session (MC e+e-)
2nd session (MC e+e-)

Fri: 1st session (Spacelike)
2nd session (Spacelike)

- Please upload slides on indico before your presentation.
- Please try to stay within your allocated time (there are discussion slots at the end of each session)
- The meeting will be not recorded
- We will ask each speaker to write a short (~1 page) abstract to be included in a book of abstracts to be submitted to ArXiv.

Welcome!