PAUL SCHERRER INSTITUT

PSI

K. Kirch :: NUM :: Paul Scherrer Institut

BVR 2021 – Open Meeting

A very warm welcome to you from PSI

BVR52, PSI, January 27, 2021


ERNE
ERNE
ERI

https://www.psi.ch/en/industry/park-innovaare

CHRISP –

Swiss Research InfraStructure for Particle physics

One of five large scale user facilites at PSI:

CHRISP, SμS, SINQ, SLS, SwissFEL

HIMB @ CHRISP and SμS could be the next major infrastructure project for muon physics
→ talk by Andreas Knecht

In 2020 we had to say a final good-bye to some dear colleagues

Neerach, 24. August 2020

Ein glückliches und erfülltes Leben ist zu Ende gegangen.

Traurig nehmen wir Abschied von unserem lieben Vater, Schwiegervater und Grand-Papa

Pierre-Antoine Schmelzbach

1. September 1942 – 22. August 2020

Nach kurzer und schwerer Krankheit ist er am letzten Samstag von uns gegangen.

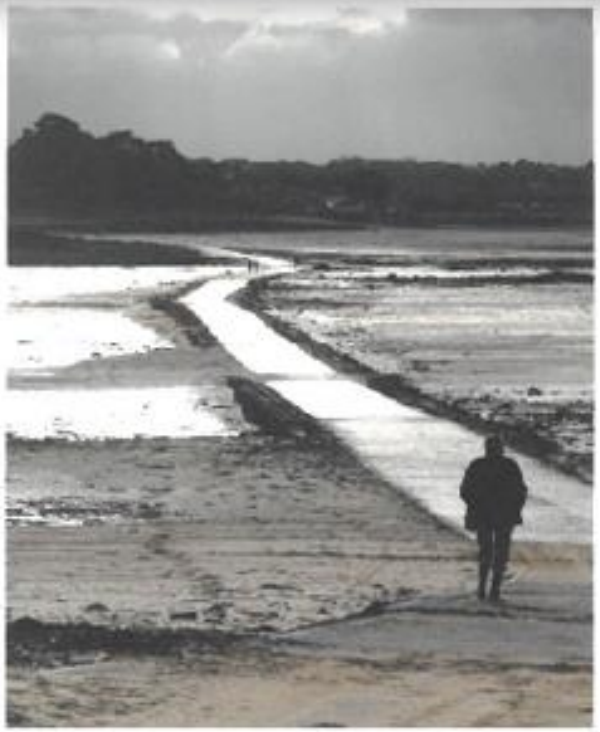
Wir sind dankbar für die Liebe und den Halt, die wir ein Leben lang erfahren haben. Sein Optimismus und seine Neugier werden uns stets in Erinnerung bleiben.

Cédric Schmelzbach und Sibylle Schmid Schmelzbach mit Noa und Linus
David Schmelzbach

Die Beisetzung findet im engsten Familienkreis statt.

Anstelle von Blumenspenden bitten wir das Schweizerische Rote Kreuz zu unterstützen.

Traueradresse: D. Schmelzbach, Alte Badenerstrasse 36, 8173 Neerach



PETER TRUÖL

29. Juni 1939 - 22. März 2020

Peter Truöl (UZH) has served as chairman of the particle physics research committee for many years (~1993-2002).

He observed the reorganization of the institute, where the accelerator department split off and the emphasis of the research went into material science.

Under his guidance many initiatives emerged such as the pion beta decay experiment, SINDRUM II with the search for mu-->e conversion, a new project to search for mu-->eg, the mu-lifetime experiment, the proposal for an ultracold neutron source etc.

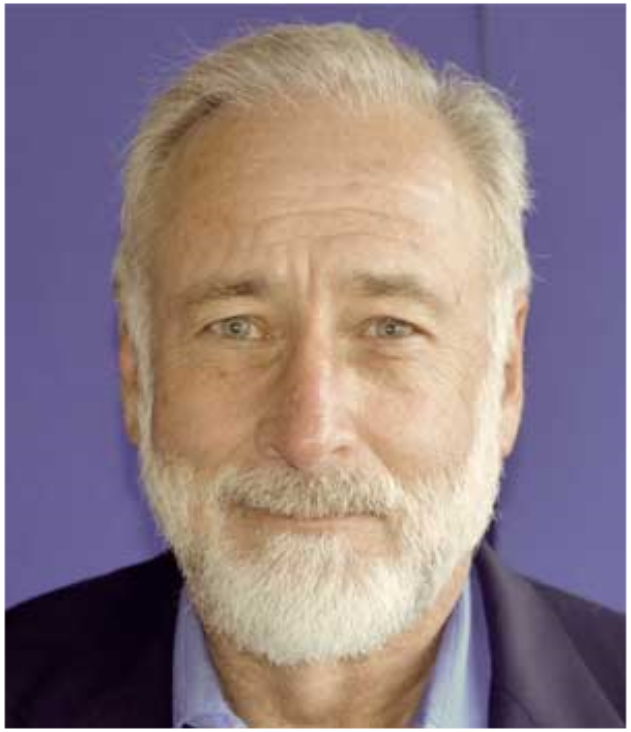
[R. Eichler, 2002]

BVR Committee members – 2021 meeting

Thank you!

Congratulations to some selected people

2021 Tom W. Bonner Prize in Nuclear Physics Recipient



Geoffrey L Greene
University of Tennessee

Citation:

"*For foundational work establishing the field of fundamental neutron physics in the US, for developing experimental techniques for in-beam measurements of the neutron lifetime and other experiments, and for realizing a facility for the next generation of fundamental neutron physics measurements.*"

Background:

Geoffrey Greene received his BA from Swarthmore College in 1971 and his PhD from Harvard University in 1977. Following a postdoctoral position at the Rutherford Laboratory and the Institut Laue-Langevin, he accepted a position as an Assistant Professor at Yale University. He subsequently moved to a staff position at the National Bureau of Standards (now NIST) and then, to a series of management positions at Los Alamos National Laboratory. He is currently a Professor of Physics at the University of Tennessee with a joint appointment at Oak Ridge National Laboratory.

As a graduate student, under the supervision of Prof. Norman Ramsey, Dr. Greene was introduced to very low energy or "cold" neutrons which were then, for the first time, available in intense beams. This led to a career-long interest in the application of such neutrons for the determination of fundamental constants and the study of fundamental nuclear processes. Dr. Greene has participated in the establishment of several facilities for fundamental neutron physics research and has played a major role in the determination of the neutron magnetic moment, the neutron mass, and the neutron lifetime, as well as in a variety of experiments intended to elucidate symmetry breaking in nuclear interactions.

https://www.aps.org/programs/honors/prizes/prizerecipient.cfm?last_nm=Greene&first_nm=Geoffrey&year=2021

PAUL SCHERRER INSTITUT

PSI

The Paul Scherrer Institut

awards

Ivana Belosevic

Mag. Phys. Of University of Zagreb
Born on May 17th,1990
Citizen of Croatia

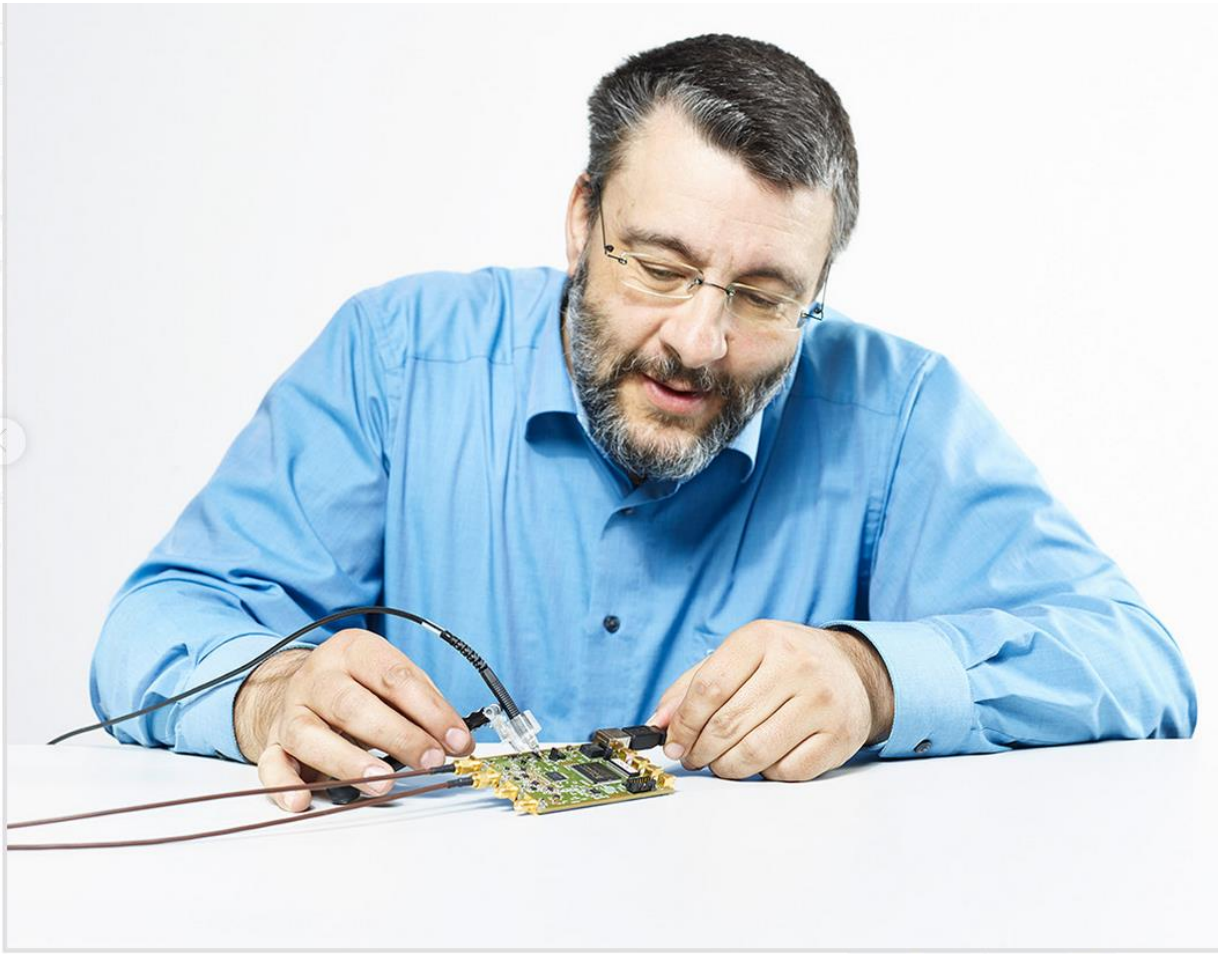
the PSI Thesis Medal 2020 and a Prize

For her outstanding PhD thesis

SIMULATION AND EXPERIMENTAL VERIFICATION OF TRANSVERSE AND LONGITUDINAL COMPRESSION OF POSITIVE MUON BEAMS

Towards a novel high-brightness low-energy muon beamline

https://edm.ethz.ch/precision-physics-at-low-energy-group-news/2021/01/our-former-phd-student-ivana-belosevic-wins-the-2020-psi-thesis-medal.html



Stefan Ritt (Photo: Scanderbeg Sauer Photography)

Stefan Ritt received the IEEE Emilio Gatti Radiation Instrumentation Technical Achievement Award, for "contributions to the development and democratization of ultra-high-speed digitizers".

https://www.psi.ch/en/num/news/prestigious-ieee-award-for-stefan-ritt

Mario Liechti (gold) and Melvin Deubelbeiss (bronze) electronics apprentices in LTP on the winners' podium at the SwissSkills 2020.

https://www.psi.ch/en/num/news/on-the-winners-podium-at-the-swissskills-professional-championships

Anna Soter –
Tenure Track Assistant Professor ETH Zurich

1. PSI Cofund Fellow
2. SNF Ambizione Fellow
3. ETH-Prof. since Jan 21

https://www.psi.ch/en/num/news/anna-soter-appointed-tenure-track-assistant-professor-at-eth-zurich

Franziska Hagelstein – SNF Ambizione Fellowship

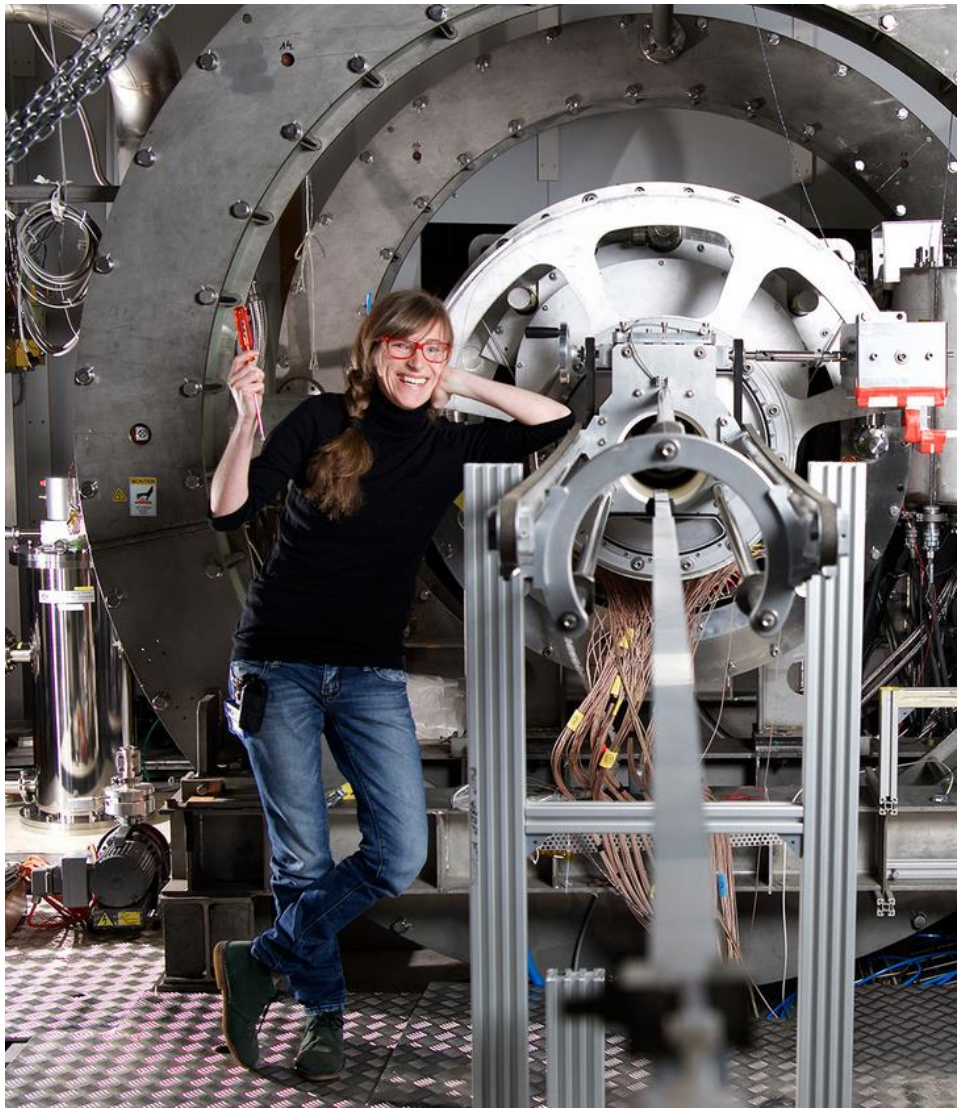
With her project:

Hadronic corrections to muon anomalies

https://www.psi.ch/en/num/news/swiss-national-science-foundation-ambizione-grant-for-franziska-hagelstein

Angela Papa

Associate Professor
University of Pisa
January 26, 2021



Special SciPost Volume: Particle Physics at PSI

Past, present and future particle physics research at the PSI High-Intensity Proton Accelerator.

MuCap: Muon Capture on the Proton
by Malte Hildebrandt and Claude Petitjean

Editor-in-charge	Actions	Original submission date
You are the EIC → Editorial page	View details	2021-01-13

Recent results of laser spectroscopy experiments of pionic helium atoms at PSI
by M. Hori, H. Aghai-Khozani, A. S\|'ot\|'er, A. Dax, D. Barna

Editor-in-charge	Actions	Original submission date
You are the EIC → Editorial page	View details	2021-01-04

The SINDRUM-I Experiment
by Ralph Eichler and Christoph Grab

Editor-in-charge	Actions	Original submission date
You are the EIC → Editorial page	View details	2020-12-23

Editors: Cy Hoffman, KK, Adrian Signer

PAUL SCHERRER INSTITUT

Zuoz Summer School 8-14 August 2021

Nicolas Berger (Annecy)
Statistics
Brian Petersen (CERN)
From raw data to physics
Vincenzo Cirigliano (Los Alamos)
EFT and low-energy probes of new physics
Barbara Jäger (Tübingen)
Perturbative (QCD) calculations
Angela Papa (Pisa/PSI)
Low-energy experiments
Renato Renner (ETH)
Foundations of quantum mechanics
Andrea Wulzer (CERN/EPFL)
The big questions

Vision and Precision

https://www.psi.ch/particle-zuoz-school

Registration will open in March 2021
before June: **CHF 650;** later : **CHF 730**

All inclusive fee
(meals, lodging, coffee breaks, excursion, conference dinner, tennis and football)

Swiss Institute of Particle Physics

sc|nat
Swiss Academy of Sciences
Akademie der Naturwissenschaften
Accademia di scienze naturali
Académie des sciences naturelles

Adrian Signer, Michael Spira, Anita Van Loon-Govaerts, **zuoz2021@psi.ch**

https://indico.psi.ch/event/8227/

Upcoming events II

Please note the date for the next
CHRISP users' meeting and review BV53:

Mo-Wed, Jan 24-26, 2022

[Deadline: Jan 10,2022]

To appear here: https://www.psi.ch/en/sbl/call-for-beam-time-requests

https://www.psi.ch/en/media/our-research/magnetically-shielded-from-the-rest-of-the-world


Welcome to this meeting!
Looking forward to seeing you again at PSI
and stay healthy!