
BOAT LOUNGE


FRANCESCO


gelati


monte
verità
museo
congressi
albergo
ristorante
parco
hotel
ristorante
bar terrazza


IL BARONE
E. VON DER HEYDT
DONATORE
DEL MONTE VERITA
1882-1964


SALONE BALINT
IN MEMORIA
MICHAEL BALINT
1896 - 1970

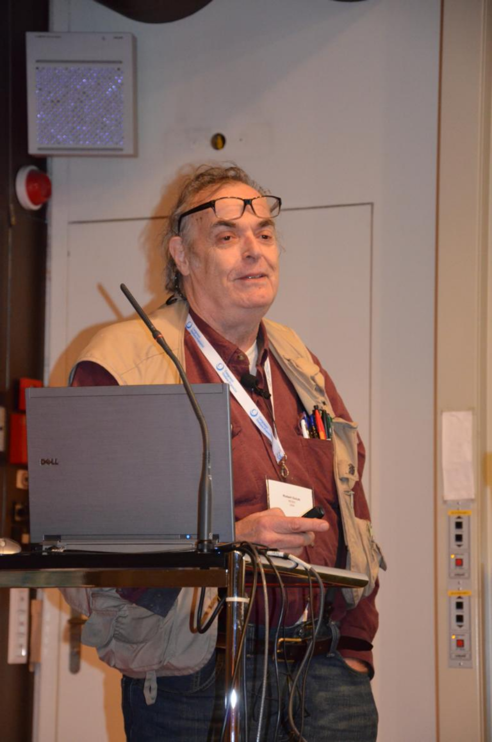

Puisse la Paix Régner dans le Monde
May Peace Prevail on Earth
Cha la pasch regna sün terra


Centro


Congressi Stefano Franscini


WOLFVISION


DELL


DELL


VALSER


2


AMERICAN


Samer Afach
Paul Scherrer Institut
Switzerland


hp

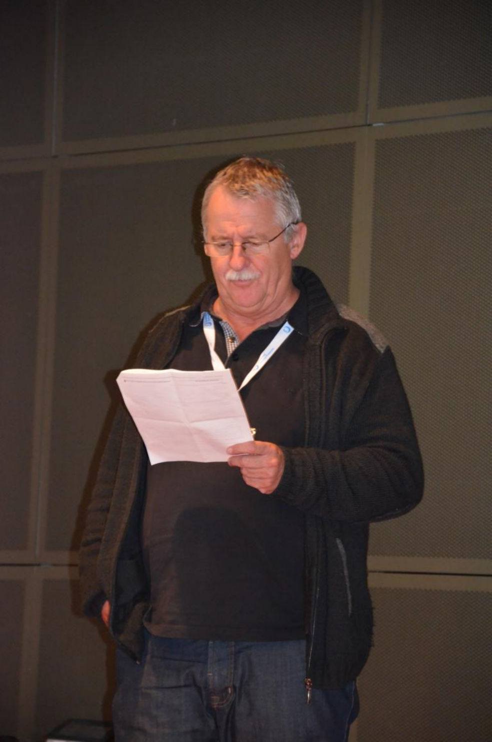

albergo
bauhaus
HOTEL MONTE VERITA
ASCONA
MONTE VERITA


B&B
aperti


Malgorzata Kasprzak
Switzerland


wolfvision


WOLFVISION



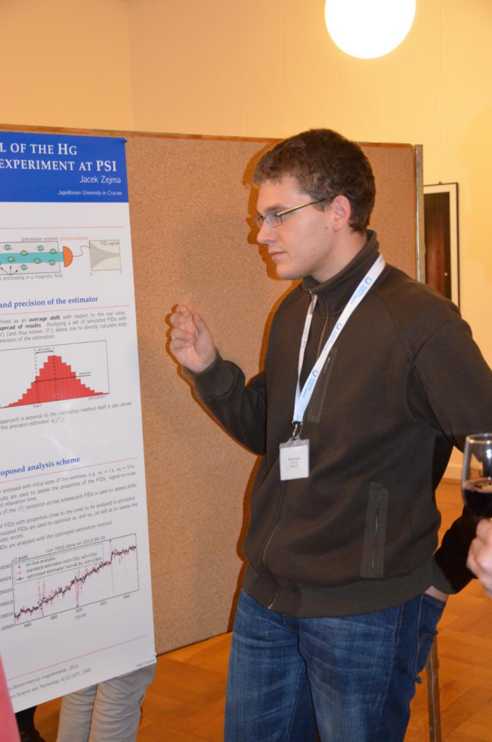

2


Congressi
Stefano Franscini


Congressi
Stefano Franscini

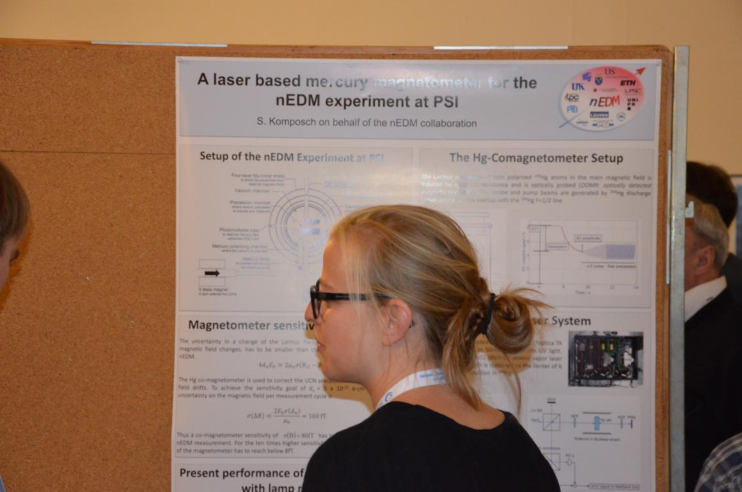

Chi è chi al Centro Stefano Franscini?


KU LEUVEN
1. Motivation & Goal
4. Method


L OF THE HG
EXPERIMENT AT PSI
Jacek Zejma
Jagiellonian University in Cracow
and precision of the estimator
oposed analysis scheme


Magnetometer sensitivity
with lamp read-out

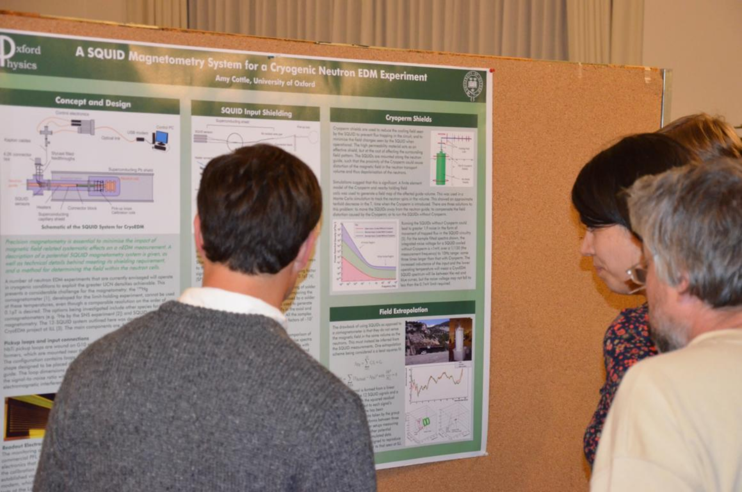

JGU
basics
Cs

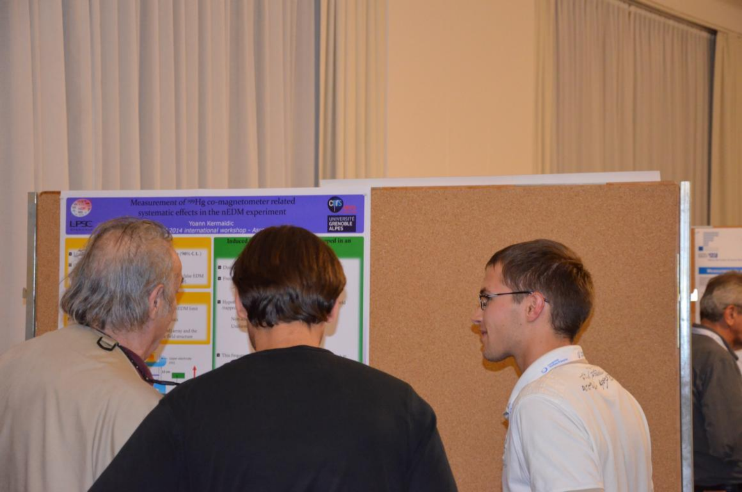


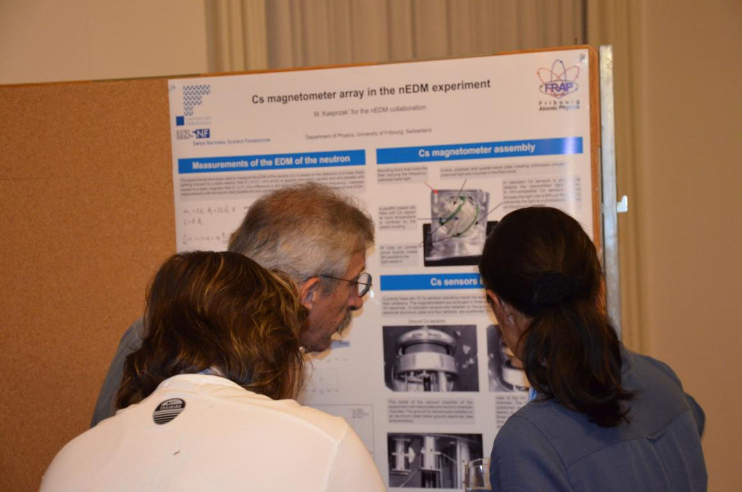
A laser based
for the
nEDM experiment at PSI
S. Komposch on behalf of the nEDM collaboration
Setup of the nEDM
The Hg-Comagnetometer Setup
Magnetometer
Present performance of
with lamp
System

Cs magnetometer array in the nEDM experiment
M. Kasprzak for the nEDM collaboration
Department of Physics, University of Fribourg, Switzerland
UNIVERSITAS FRIBURGENSIS
FNSNF
Swiss National Science Foundation
Measurements of the EDM of the neutron
Cs magnetometer assembly
Operation of the magnetometer


NC STATE UNIVERSITY
Non-metallic Cryogenic Actuators and Sealing Devices for SNS-nEDM
Austin Reid, Karen Daniels, Paul Huffman, Ekaterina Korobkina, Kent Leung, Mithi A. de los Reyes, Camen Royse
SNS-nEDM Systematics
Double Valve Housing Design
Engineering Challenges
The full scale nEDM apparatus (left) will operate with 1200 L of LHe at 0.5 K, which will take weeks to cool and perform individual measurements. We are developing a small scale apparatus to explore key systematic effects that can be operated with a significantly shorter turn around time.
Origami Kapton Bellows
Design Inspiration
Attempts to stretch or cure Kapton resin into a bellows failed. Paper and Kapton have similar mechanical properties, so I looked for folding patterns. Large format cameras use a springy folded tube between the lens and film.
Cryogenic Durability
Assembly


A SQUID Magnetometry System for a Cryogenic Neutron EDM Experiment
Amy Cottle, University of Oxford
Concept and Design
Schematic of the SQUID System for CryoEDM
SQUID Input Shielding
Cryoperm Shields
Field Extrapolation


Measurement of ¹⁹⁹Hg co-magnetometer related
systematic effects in the nEDM experiment
Yoann Kermaïdic
LPSC
UNIVERSITÉ GRENOBLE ALPES


Cs magnetometer array in the nEDM experiment
M. Kasprzak for the nEDM collaboration
Department of Physics, University of Fribourg, Switzerland
FRAP
Fribourg
Atomic Physics
SWISS NATIONAL SCIENCE FOUNDATION
Measurements of the EDM of the neutron
Cs magnetometer assembly
Cs sensors
TRAINING


wolfvision


wolfvision


Allard Schnabel
PTB Berlin
Germany


wolfvision


Christopher Crawford


DELL


DELL


WE KINDLY ASK YOU TO FILL OUT THE
FEEDBACK FORMS AND LEAVE THEM
IN THE PLASTIC BOX IN THE MAIN


PHYSICS


Jeffery Martin
Canada


OSTERIA
NOSTRANA
Ristoranti Fred Feldpausch


Toilettes
Bagno
WC
MARTINI


Vespa
SERVICE


I piccolini
crema catalana
o
cassata
Vespa
SERVICE


torta di castagne
sorbetto d'uva con grappa
TADAA!


PHYSICS
TADAA!


WolfVision

Congressi
Stefano Franscini
Swiss Federal Institute
of Technology Zurich

Congressi Stefano Franscini
Monte Verità - Ascona, Switzerland
Conferences 2014

Challenges of the world-wide experimental search for the electric dipole moment of the neutron
02.11. – 06.11.2014

Award for Best Contribution

to

Ms Elise Wursten
Katholieke Universiteit Leuven (Belgium)

for the presentation entitled

"Transverse magnetic field measurements with scalar cesium magnetometers at the nEDM experiment"

For the Scientific Committee:

For the Congressi Stefano Franscini:

Ascona, November 6th 2014


Award for Best Contribution
DELL


DELL
ETH Zurich


Congressi Stefano Franscini
Monte Verità - Ascona, Switzerland
Conferences 2014
Challenges of the world-wide experimental search for the electric
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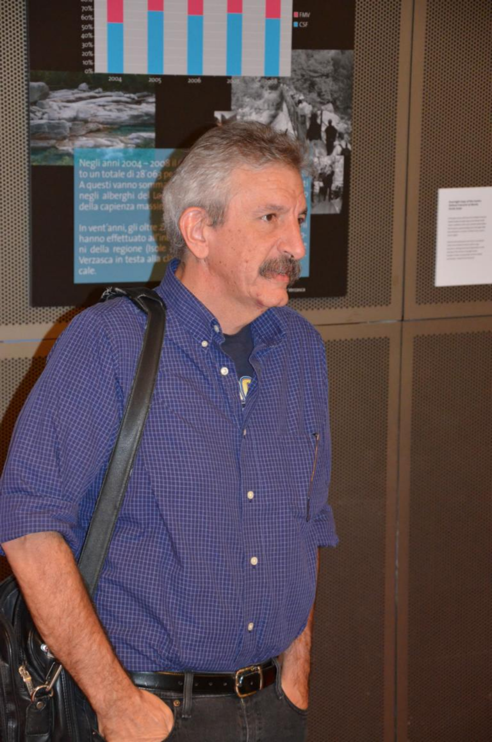
FMV
CSF
2004
2005
2006

aimo posto, bella atmosfera, non com-
zahlreichen e-Mails mit den Kolegi-
agende Qualität der Tagung laufend
iterleiten".
ooth, harmonious way of running the
reeable gastronomic environment, an
plendid garden".


DELL


Blair Jamieson
University of Winnipeg
Canada


lbergo ristorante parco
lbergo ristorante parco
verità
monte