

Valery Rubakov's visits in Hamburg in the last decade

WOLFGANG PAULI CENTRE
A COMPETENCE FIELD OF PIER



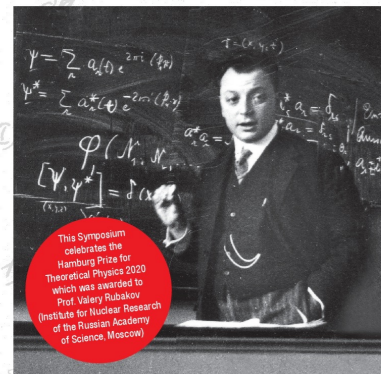
Theoretical Physics Symposium 2020

25 November 2020

<https://desy.zoom.us/j/3544139367>

Meeting ID: 354 413 9367

Passcode: WPC251120!



This Symposium celebrates the Hamburg Prize for Theoretical Physics 2020 which was awarded to Prof. Valery Rubakov (Institute for Nuclear Research of the Russian Academy of Science, Moscow)

The Symposium in 2020 offers two scientific seminars:



Valery Rubakov
Institute for Nuclear Research of the Russian Academy of Sciences, Moscow

14:30
Hard job of starting the Universe



Neil Turok
Higgs Chair of Theoretical Physics, University of Edinburgh

15:30
Path Integrals for the Universe

The Hamburg Prize for Theoretical Physics was brought into being in 2010 and recognizes outstanding achievements in the discipline of theoretical physics. It is endowed by the Joachim Herz Foundation with a prize money of 137,036.00 euros.

Local organizing committee
Christophe Grojean, Thomas Konstandin, Volker Schomerus,
Geraldine Servant, Alexander Westphal

<http://www.wpc-hh.de>



AKADEMIE DER
WISSENSCHAFTEN
IN HAMBURG

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WISSENSCHAFTEN
IN HAMBURG

Particles, Strings,
and the Early Universe
Collaborative Research Center SFB 676

Theory Colloquium

Towards Bouncing and Genesis Cosmologies

by Valery Rubakov (INR Moscow)

📅 Wednesday Jan 23, 2019, 2:30 PM → 3:30 PM Europe/Berlin

📍 build. 2a, SR2 (DESY Hamburg)

Implications of the Early LHC for Cosmology

DESY, Hamburg
18-20 April 2012

indico.desy.de/event/Early_LHC_Cosmology

Invited Speakers:

- K. Danzmann (IGP, AEI Hannover)
- J. Garcia-Bellido (Madrid)
- S. Grojean (CERN)
- J. Haller (Hamburg)
- V. Mukhanov (LMU Munich)
- H.-P. Nilles (Bonn)
- S. Pokorski (Warsaw)
- A. Ringwald (DESY)
- V. Rubakov (INR Moscow)
- M. Shaposhnikov (Lausanne)
- S.-H. Tye (Cornell, IAS Hongkong)
- T. Yanagida (IPMU Tokyo)

Organizing Committee:

M. Baumgartl
W. Buchmüller
J. Louis
A. Ringwald
T. Konstandin
A. Westphal

Topics:

- The Higgs Sector
- Status of Supersymmetry
- Inflation
- Cosmological Phase Transitions
- Primordial Gravitational Waves

Public Talk: P. Schleper (Hamburg)



DESY THEORY WORKSHOP

SEPT. 23 - 26, 2014

DESY, Hamburg, Germany



PARTICLE COSMOLOGY AFTER PLANCK

PLENARY SPEAKERS INCLUDE

Sept. 23 - 26, 2014

- | | | |
|--------------------------|--------------------------------|---------------------------|
| L. Amendola (Heidelberg) | C. Frenk (Durham) | D. Schwarz (Bielefeld) |
| P. Binétruy (APC Paris) | M. Garny (CERN) | G. Shiu (IAS Hongkong) |
| F.R. Bouchet (IAP Paris) | J. Garriga (Barcelona) | R. Sunyaev (MPA Garching) |
| R. Bouso (Berkeley) | M. Hindmarsh (Sussex/Helsinki) | T.M.P. Tait (Irvine) |
| T. Bringmann (Oslo) | R. Kallosh (Stanford) | N. Toro (Perimeter Inst.) |
| J. Conlon (Oxford) | J. Kopp (MPK Heidelberg) | A. Westphal (DESY) |
| R. Durrer (Geneva) | V. Rubakov (INR Moscow) | |

DESY Heinrich-Hertz Lecture on Physics

Sept. 25, 2014

A. Linde (Stanford)

PARALLEL SESSIONS AND CONVENORS

Sept. 24 - 25, 2014

Contributions by young researchers are especially encouraged. Abstracts can be submitted online before 15 August 2014. Limited financial support for young physicists is available upon request.

Cosmology & Astroparticle Physics: S. Antusch (Basel), H. Päs (Dortmund)

Phenomenology: M. Mühlleitner (Karlsruhe), W. Porod (Würzburg)

Strings & Mathematical Physics: T. Grimm (Munich), M. Staudacher (Berlin)

ORGANIZING COMMITTEE

CONTACT

INFORMATION

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Background image:
"House of Knowledge" (Dalia Klein, 1994)

Web page: <http://th-workshop2014.desy.de>

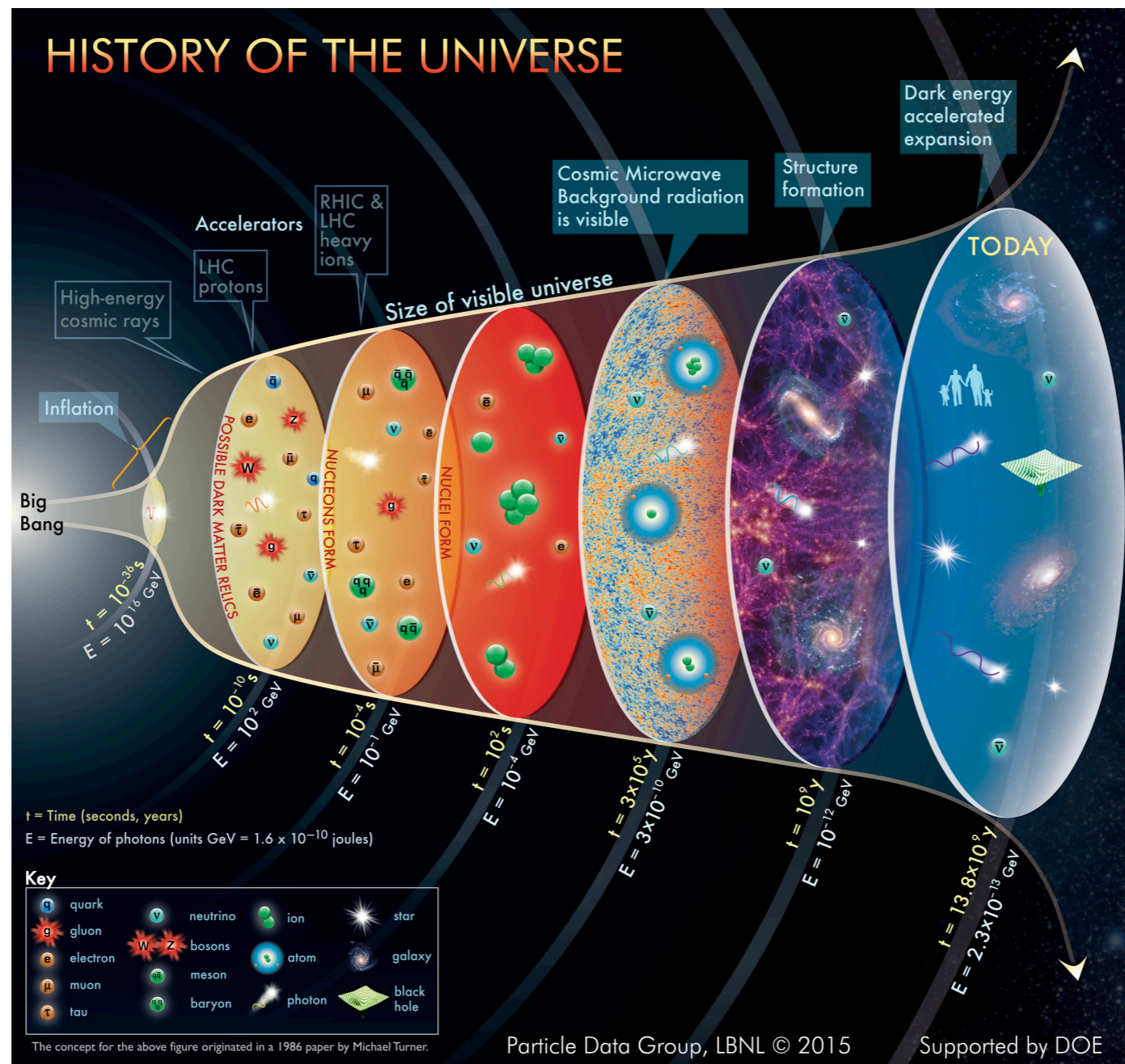
Valery Rubakov & Hamburg Research

Higgs, Dark Matter & Cosmology

High energy astroparticle physics

Formal aspects of mathematical physics and field theory

Valery incarnates all fundamental research topics being investigated in Hamburg



CLUSTER OF EXCELLENCE
QUANTUM UNIVERSE



Universität Hamburg

Hamburg Prize for Theoretical Physics 2020

Valery Rubakov



3-hour Zoom celebration event on 25-11-2020

187 colleagues connected from all over the world!



Theoretical Physics Symposium 2020

November 25, 2020

Europe/Berlin timezone

**Overview**

Poster

Support [theorie.sekretariat@des...](mailto:theorie.sekretariat@desy.de)

The [Wolfgang Pauli Centre for Theoretical Physics](#), a joint forum of the Universität Hamburg and DESY, organizes a mini Symposium to celebrate the [Hamburg Prize for Theoretical Physics 2020](#) which was awarded to Prof. Valery Rubakov this year. The event will consist of two scientific talks. First seminar will be given by Prof. Valery Rubakov, Chief Researcher at Institute for Nuclear Research of the Russian Academy of Sciences in Moscow and Professor at M.V. Lomonosov Moscow State University. The second seminar will be delivered by Prof. Neil Turok, Higgs Chair of Theoretical Physics, University of Edinburgh.

Scientific Programme:14:30: Valery Rubakov: "[Hard job of starting the Universe](#)"15:30: Neil Turok: "[Path Integrals for the Universe](#)"Zoom link <https://desy.zoom.us/j/3544139367>

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Local organizing committee

Christophe Grojean, Thomas Konstandin, Volker Schomerus, Geraldine Servant, Alexander Westphal.

Actual ceremony at the Hamburg planetarium on 25-11-2021



Picture credit: Joachim Herz Stiftung/Claudia Höhne



Picture credit: Joachim Herz Stiftung/Claudia Höhne

A video extract





Theoretical Physics Symposium 2021

Nov 8 – 12, 2021
DESY Hamburg
 Europe/Berlin timezone



Zoom room: 811 1447 3065, Passcode: 948427

Overview

Timetable

Registration Symposium

Participant List

Registration Award
Ceremony (no longer
available)

How to get to DESY

Online
discussion/questions

Support

✉ [theorie.sekretariat@desy...](mailto:theorie.sekretariat@desy.de)

The [Wolfgang Pauli Centre for Theoretical Physics](#), a joint forum of the Universität Hamburg and DESY, in collaboration with the Clusters of excellence [CUI: Advanced Imaging of Matter](#) and the [Quantum Universe](#), organizes a scientific Symposium to honor the Hamburg Prizes for Theoretical Physics 2020 and 2021 which are being awarded to Prof. Valery Rubakov (INR Moscow) and Prof. Eugene Demler (ETH Zuerich), respectively.

The first half of the Symposium on Nov 8-10 is devoted to the work of Valery Rubakov and it will feature scientific talks in the following areas:

- Advanced topics in Quantum Field Theory
- Cosmology
- Modified gravity

The second half of the Symposium on Nov 10-12 is devoted to the work of Eugene Demler and it will feature scientific talks in the following areas:

- Novel phases of matter in quantum many-body systems
- Driven quantum many-body systems
- Topological effects in quantum many-body systems, such as quantum antiferromagnets, quantum spin liquids, etc.
- Nonlinear xray spectroscopy of condensed matter

The award ceremony for the Hamburg Prize for Theoretical Physics is organized by the Joachim Herz Stiftung on November 10 in Hamburg's Planetarium. Participation requires a separate registration.

Recordings of the talks:

Video recordings of the talks are available on the [DESY webcast portal](#) (search for WPC 2021).

Confirmed Speakers Nov 8-10

S. Dubovsky (New York U., USA)
 E. Dudas (Ecole Polytechnique, Palaiseau, FR)
 G. Dvali (LMU and MPI, Munich, DE)
 R. Gregory (Kings College, London, UK)
 L. Heisenberg (ETH, Zurich, CH)
 A. Linde (Stanford U., USA)
 Y. Nir (Weizmann Institute of Science, Rehovot, IS)
 O. Pujolas (IFAE, Bellaterra, ES)
 R. Rattazzi (EPFL, CH)
 M. Shaposhnikov (EPFL, CH)
 A. Smirnov (MPIK, Heidelberg, DE and ICTP, Trieste, IT)
 D. Son (Chicago U., USA)
 P. Tinyakov (ULB, BE)
 E. Trincherini (SNS, Pisa, IT)

AVIGNON, 2008



Progress on **O**ld and **N**ew Themes in cosmology

(**P**ONT d'Avignon 2008)

April 21st - 25th, 2008

Palais des Papes, Avignon, France



ASPEN, 2000



C. Grojean

C. Csaki

V. Rubakov