



# Newsletter

01/2014

## Dear Colleagues,

founded in 2008, the Bethe Center for Theoretical Physics (bctp) is a joint center of theoretical physicists and mathematicians at various institutes of Bonn University. In the spirit of Hans Bethe it fosters research activities over a wide range of theoretical and mathematical physics.

Today, over 5 years later, we can look back on a successful journey. Within our regular Bethe Colloquia series, we hosted 28 talks to date, 8 Bethe Center Workshops and Lecture Series and welcomed over 300 participants. Five Bethe Forum programs have brought together 84 invited scientists for extensive discussion sessions and talks. Special highlights have been the three international conferences hosted by the bctp, „SUSY 2010“, „String-Math“ in 2012 and „Planck 2013 - From the Planck Scale to the Electroweak Scale“ with about 200 participants each.

Given these results, we are looking forward to celebrating the 5th anniversary with a festive colloquium on Friday, 11th April, 2014. The program will start at 14:00 in the Large Lecture Hall Mathematics, Wegelerstrasse 10, D-53315 Bonn.



### Colloquium

to mark the 5th anniversary of the Bethe Center for Theoretical Physics

Program • Friday, 11<sup>th</sup> April 2014

14:00	Introductory talks and greetings
14:30	John Ellis, London/CERN "The Higgs Boson and Beyond"
15:30	Coffee Break
16:00	Yuri I. Manin, Bonn "Physics and Algebraic Geometry: Quantum Strings, Quantum Cohomology and Motives"
17:00	Michael S. Turner, Chicago "Quarks and the Cosmos"

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**Bethe Forum**

Lecture Series on  
"Scattering Amplitudes"  
On-Shell Methods in Quantum Field Theory

17th - 21st March, 2014  
Bonn, Germany

David A. Kosower  
(IPhT, CEA Saclay)

Additional information and application form:  
<https://bctp.uni-bonn.de/bethe-forum>

## Bethe Forum (17th - 21st March, 2014)

The next Bethe Forum will be a Lecture Series on  
„Scattering Amplitudes“  
**On-Shell Methods in Quantum Field Theory**

We are glad that **David A. Kosower (IPhT, CEA Saclay)** will be the convenor of this Lecture Series.

Further information and details on registration can be found here:

<http://bctp.uni-bonn.de/bethe-forum/2014/amplitudes/>

## Bethe Forum

(31th March - 11th April 2014)

This Bethe Forum will be an experimentally orientated one:

### „Detector Physics- Trends and Challenges“

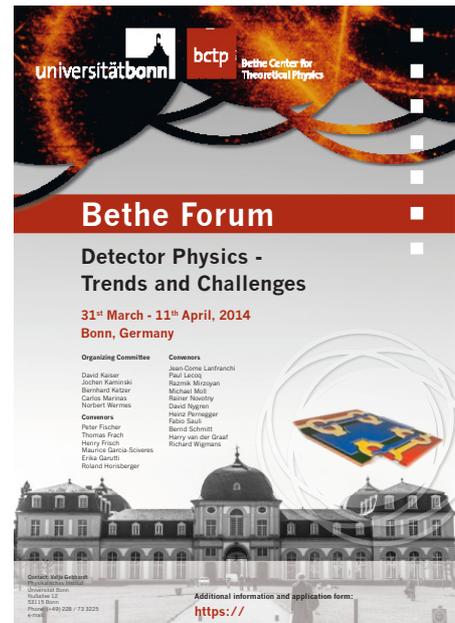
Within this two weeks program 17 invited speakers will give talks on their latest research in the field of Detector Physics, followed by group discussions.

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<https://bctp.uni-bonn.de/bethe-forum>



## Further Announcements

- **Bethe Forum on Discrete symmetries and their stringy origin**  
**2nd - 6th June 2014**
- **Bethe Forum on Non-geometry, asymmetric orbifolds and model building**  
**10th - 13th June 2014**
- **6th Bethe Center Workshop**  
**29th September - 3rd October**

## Bethe Colloquia

- **Antonio Masiero**  
(Padova, Univ. of Padova & INFN)  
**24th April 2014**
- **Georgy (Gora) Shlyapnikov**  
(Orsay, LPTMA)  
**22nd May 2014**
- **Graham Ross**  
(University of Oxford)  
**5th June 2014**
- **Bert Schellekens**  
(Amsterdam, NIKHEF)  
**3rd July 2014**



For latest news and updates, please visit our website: <http://www.bctp.uni-bonn.de>

