

Hans Bethe (1906–2005)

Hans Bethe was born in Strassburg (Strasbourg) on July 2, 1906. He received his Ph.D. from the University of Munich in 1928. In 1933 he emigrated to England and moved to Cornell University in the US in 1935 where he remained until his death.

Bethe represented one of the “last giants” of twentieth-century physics. 75 years of original research, hundreds of influential scientific papers spanning the key areas of theoretical physics are the impressive legacy of his academic work. He was the recipient of numerous awards and prizes, most notably the Nobel prize in 1967 for his groundbreaking work on the theory of energy production in stars.

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Activities of the bctp include

- short- and long term visitors program
- workshops on dedicated research topics
- regular Bethe-Seminar Series
- lectures for doctoral students

For detailed information visit us at
<http://bctp.uni-bonn.de>



Bethe Center for
Theoretical Physics

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$$k^{12} \int \frac{d^3 l}{(2\pi)^3} \langle \phi(k) | G^N - G^R | k \rangle = \int \mathcal{T}(\dots)$$

$$\langle k_b | G^N - G^R | k_a \rangle = \int \mathcal{T}(\dots)$$

$$\langle \phi(k) | G^N - G^R | k \rangle = \int \mathcal{T}(\dots)$$

Mission

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

The *bctp* was founded in 2008. Among its founding members are

- Manuel Drees
- Herbert Dreiner
- Hans-Werner Hammer
- Daniel Huybrechts
- Albrecht Klemm
- Johann Kroha
- Ulf-G. Meißner
- Hartmut Monien
- Hans Peter Nilles
- Don Zagier

Research

The *bctp* is an international research center in theoretical physics. The research concentrates on

- Elementary Particle Physics
- Hadron- and Nuclear Physics
- Physics of Cold Atoms
- Condensed Matter Physics
- Astroparticle Physics
- Mathematical Physics
- Algebraic Geometry and Topology
- Partial Differential Equations

The *bctp* provides a forum for interdisciplinary research throughout the fields of theoretical and mathematical physics.

Organisation

Directorate of the *bctp*:

- Hans Peter Nilles (spokesperson)
- Ulf-G. Meißner (vice spokesperson)
- Daniel Huybrechts

The international advisory board of the *bctp* consists of

- Jürg Gasser, University of Bern
- Jihn E. Kim, Seoul National University
- Dieter Lüst, LMU München
- Andrew Millis, Columbia University
- Felix Otto, University of Bonn
- Stuart Raby, Ohio State University

The real particles produced in the decay of a positive pion can be seen in this image from a streamer chamber. © CERN