

Bethe Colloquium

Ulf-G. Meißner

Universität Bonn & Forschungszentrum Jülich

Puzzles in Strong Interaction Physics – really?

In this talk, I review three decades of strong interaction research at Bonn and Jülich. I concentrate on so-called puzzles, that have attracted much interest in the nuclear and particle physics communities. These puzzles concern the electromagnetic radius of the proton, the monopole transition form factor of ${}^4\text{He}$ and the appearance of hyperons in neutron stars and their related effects on neutron star properties. Using different non-perturbative methods, solutions to all these enigmas are worked out and future research in these directions is briefly discussed.

BCTP, Room W 2.019 - Wegelerstr. 10 - 53115 Bonn
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**Bethe Center for
Theoretical Physics**

Physikalisches Institut
Universität Bonn
Nussallee 12
53115 Bonn

phone (+49) 228/73-3770
mail theory@physik.uni-bonn.de



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