



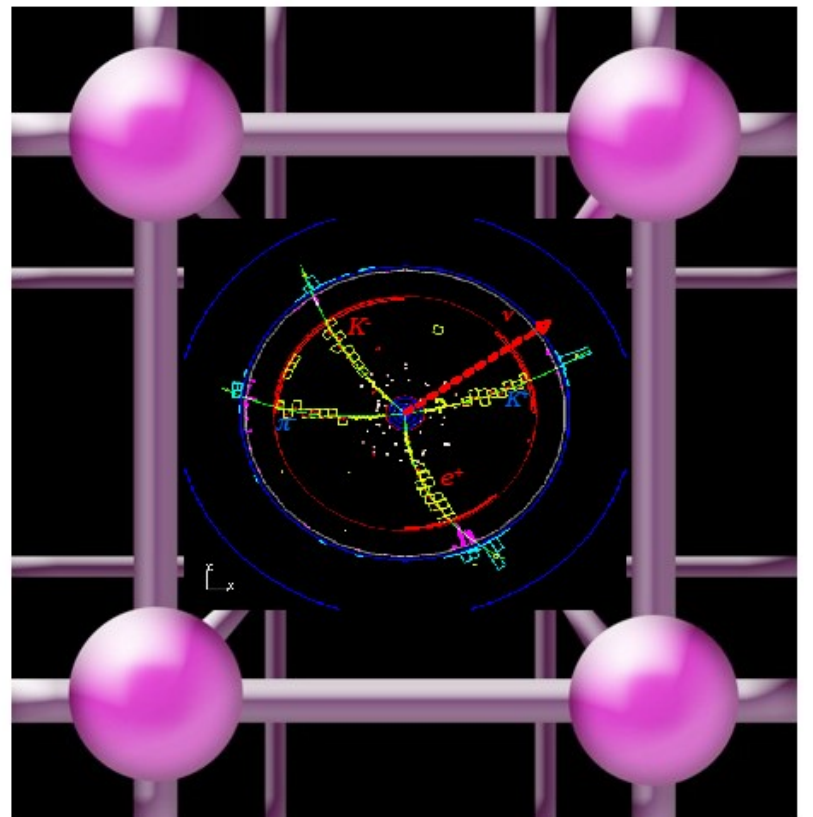
Stress-testing the Standard Model with lattice QCD.

Christine Davies (Glasgow Univ.)

Tuesday, 26 February 2013, 16:45 h
Buildg. 28c, Flash hall!

Quarks are not accessible to direct experiment but calculations in lattice QCD give us the possibility of inferring their properties by comparison to the often very accurate experimental results we have on 'gold-plated' hadron masses and their weak and electromagnetic decay rates.

I will describe recent calculations using lattice QCD which allow percent level tests of the Standard Model and accurate determination of quark masses and the strong coupling constant.



- **Coffee, tea and cookies will be served at 16:30h**
- **After the seminar there is a chance for private discussions with the speaker over wine and pretzels**

