

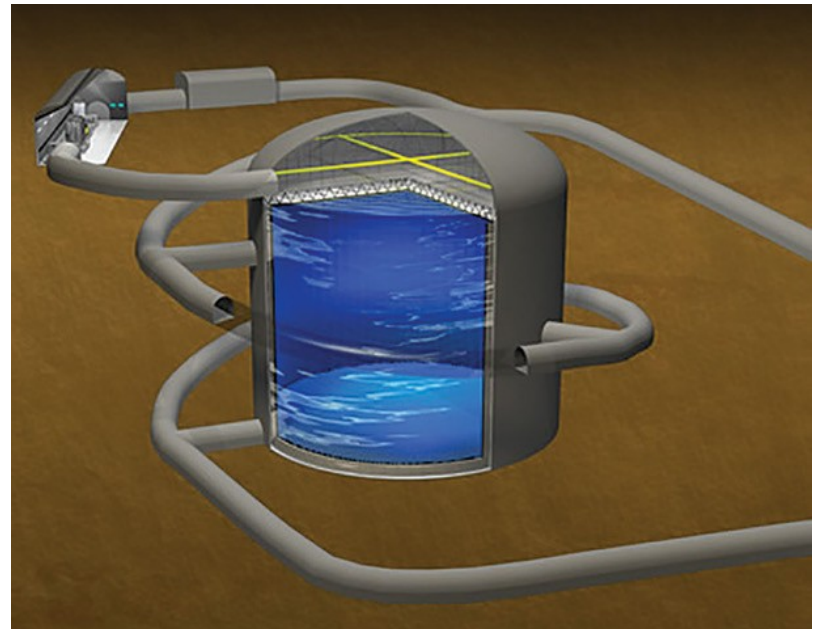


# HyperKamiokande: a next generation long baseline neutrino experiment in Japan.

**Tuesday, 29 January 2019, DESY Auditorium, 16:45 h**

**Lee Thompson (*University of Sheffield*)**

The talk will present the HyperKamiokande (HyperK) project which will build a large volume water Cerenkov detector for long baseline neutrino oscillation studies in Japan. A brief historical resume of neutrino experiments in Japan will be provided. The presentation will give an overview of the design of the HyperK detector and its main technical features. Details of the scientific programme to be undertaken will also be discussed. The prospects for the project to determine fundamental measurements such as CP violation and mass hierarchy will also be presented.



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