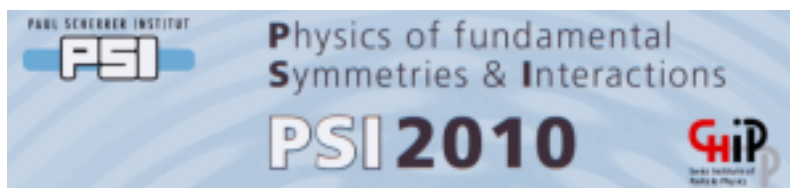


# Physics of fundamental Symmetries and Interactions - PSI2010



**Sunday 10 October 2010 - Thursday 14 October 2010**

**PSI**

## Conference Scientific Programme

## **Low energy precision tests of the Standard Model**

### **Searches for symmetry violations**

e.g. T, CP, CPT, Lorentz, Lepton flavor, Baryon number

### **Searches for new forces**

e.g. spin dependent interactions, modifications of gravity or weak interaction

### **Precision measurements of fundamental constants**

### **Fundamental physics with cold and ultracold neutrons**

### **Searches for permanent electric dipole moments**

### **Precision magnetometry**

### **Precision experiments with pions and muons**

### **Exotic atoms and molecules**

### **Advanced muon sources**

### **Advanced ultracold neutron sources**

### **Advanced detector technologies**

