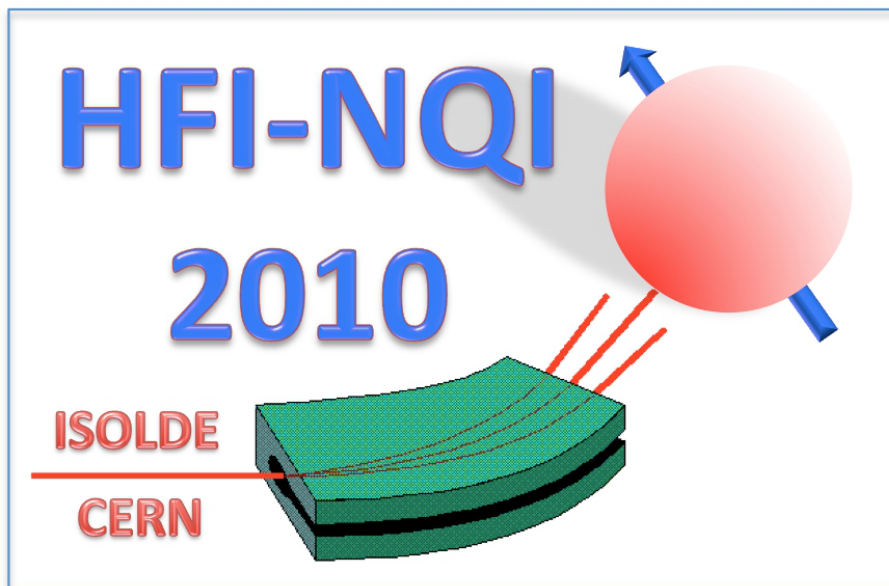


Session Program

Sep 12 - 17, 2010



HFI/NQI 2010

THEORY

CERN, 500/1-001 - Main Auditorium
CH - 1211 Geneva 23 Switzerland

Thu, September 16

2:20 PM

THEORY

Session | **Location:** CERN, 500/1-001 - Main Auditorium | **Convener:** Stephan COTTENIER

2:40 PM

2:20 - 2:40 PM **DFT Study of Hyperfine Interactions in Some Types of the Complexes**

Speaker

Prof. Oleg Poleshchuk

Fri, September 17

9:00 AM

THEORY

Session | **Location:** CERN, 500/1-001 - Main Auditorium | **Convener:** Helena Maria PETRILLI

9:00 – 9:40 AM

Calculations of Hyperfine parameters in solids based on DFT and using WIEN2k

Speaker

Peter Blaha

9:40 – 10:00 AM

Electron penetration into the nucleus and its effect on the quadrupole interaction

Speakers

Ms Katrin Koch, Mr Stefaan Cottenier

10:00 – 10:20 AM

Quadrupole interaction in the solid halogens - a new (not final) look

Speaker

Heinz Haas

10:20 – 10:40 AM

A-priori calculations of hyperfine interactions in highly ionized atoms: g-factor measurements of pico-second states populated in nuclear reactions.

Speaker

Nicholas Stone

10:40 AM

11:10 AM

THEORY

Session | **Location:** CERN, 500/1-001 - Main Auditorium, CH - 1211 Geneva 23 Switzerland

11:10 – 11:40 AM

Electric field gradient calculations by quantum chemical methods

Speaker

Prof. Vladimir Kelloe

11:50 AM