

Session Program

16-19 Apr 2013



SPACE CHARGE 2013

High intensity effects

CERN, 6/2-024 - BE Auditorium Meyrin

Thursday 18 April

08:00

High intensity effects

Session | **Location:** CERN, 6/2-024 - BE Auditorium Meyrin | **Convener:** Shinji Machida

09:00–09:30 **High intensity beam dynamics**

Speaker

Dr Oliver Boine-Frankenheim

09:30–10:00 **Space charge and beam transverse instabilities**

Speaker

Alexey Burov

10:00–10:30

Head-tail and beam break-up instability with strong space charge: Lessons learnt from recent simulations and experiments at CERN and GSI

Speaker

Vladimir Kornilov

10:30–11:00

Loss of Landau damping due to reactive impedance in a single and double RF system

Speaker

Theodoros Argyropoulos

11:00–11:30 **Coffee Break**

11:30–12:00 **Studies of space charge effects during bunch compression in SIS-100**

Speaker

Sandra Aumon

12:00–12:30 **Simulation of high intensity beams**

Speaker

ji qiang

12:30