Session Program

16–19 Apr 2013

SPACE CHARGE 2013

Code development

CERN, 6/2-024 - BE Auditorium Meyrin

Wednesday 17 April

11:00

Code development
Session | **Location:** CERN, 6/2-024 - BE Auditorium Meyrin | **Convener:** Yuri Alexahin

11:00–11:30 **Coffee Break**

11:30–12:00 **Optimize simulation parameters towards the correct physics**

Speaker
Shinji Machida

12:00–12:30 **Space charge effects based on measured lattice**

Speaker
Kazuhito Ohmi

12:30–14:00 **Lunch Break**

14:00–14:30

Numerical aspects (schemes, parallelization, ...) of beam physics codes with space charge

Speaker
Jeff Holmes

14:30–15:00

Accuracy and performance upgrade of PIC and hybrid space charge solvers

Speaker
Leonid Vorobiev

15:00–15:30

Frozen space charge model in MAD-X with adaptive intensity and sigma calculation

Speaker
Frank Schmidt

15:30–16:00 **Certifying the SYNERGIA code for CERN accelerators**

Speaker
James Amundson

16:00