

# **ATF2 Software Review**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Welcome + practical aspects

*Wednesday 18 June 2008 08:30 (5 minutes)*

**Presenter:** BAMBADE, Philip (Laboratoire de l'Accelérateur Lineaire (LAL) (IN2P3) (LAL))

**Session Classification:** Introduction Aims and Overview of ATF2 Software Requirements - Part One

Contribution ID: 1

Type: **not specified**

## Introduction and aims of this meeting

*Wednesday 18 June 2008 08:35 (15 minutes)*

**Presenter:** BAMBADE, Philip (Laboratoire de l'Accelérateur Lineaire (LAL) (IN2P3) (LAL))

**Session Classification:** Introduction Aims and Overview of ATF2 Software Requirements - Part One

Contribution ID: 2

Type: **not specified**

## Overview of ATF2 goals and current construction status

*Wednesday 18 June 2008 08:50 (20 minutes)*

**Presenter:** Dr TAUCHI, Toshiaki (KEK)

**Session Classification:** Introduction Aims and Overview of ATF2 Software Requirements - Part One

Contribution ID: 3

Type: **not specified**

## **Expected hardware status + priority commissioning tasks**

*Wednesday 18 June 2008 09:10 (20 minutes)*

**Presenter:** Dr OKUGI, Toshiyuki (KEK)

**Session Classification:** Introduction Aims and Overview of ATF2 Software Requirements - Part One

Contribution ID: 4

Type: **not specified**

## Brief description of software task list being constructed

*Wednesday 18 June 2008 09:30 (15 minutes)*

**Presenter:** Dr WHITE, Glen (SLAC)

**Session Classification:** Introduction Aims and Overview of ATF2 Software Requirements - Part One

Contribution ID: 5

Type: **not specified**

## A proposal to share & organise software work in ATF2

*Wednesday 18 June 2008 09:45 (15 minutes)*

**Presenters:** Dr WHITE, Glen (SLAC); BAMBADE, Philip (Laboratoire de l'Accelérateur Lineaire (LAL) (IN2P3) (LAL))

**Session Classification:** Introduction Aims and Overview of ATF2 Software Requirements - Part One

Contribution ID: 6

Type: **not specified**

## Discussion

*Wednesday 18 June 2008 10:00 (30 minutes)*

**Presenter:** ALL

**Session Classification:** Introduction Aims and Overview of ATF2 Software Requirements - Part One



Contribution ID: 7

Type: **not specified**

## Overview of SAD tuning software and applications for ATF / ATF2

*Wednesday 18 June 2008 11:00 (15 minutes)*

**Presenter:** Dr KURODA, Shigeru (KEK)

**Session Classification:** Introduction, Aims and Overview of ATF2 Software Requirements - Part Two

Contribution ID: 8

Type: **not specified**

## Organisation of ATF2 commissioning team

*Wednesday 18 June 2008 11:15 (15 minutes)*

**Presenter:** Dr OKUGI, Toshiyuki (KEK)

**Session Classification:** Introduction, Aims and Overview of ATF2 Software Requirements - Part Two

Contribution ID: 9

Type: **not specified**

## **Aspects of shift organisation in multi-partner team context**

*Wednesday 18 June 2008 11:30 (15 minutes)*

**Presenter:** BAMBADE, Philip (Laboratoire de l'Accelérateur Lineaire (LAL) (IN2P3) (LAL))

**Session Classification:** Introduction, Aims and Overview of ATF2 Software Requirements - Part Two

Contribution ID: **10**

Type: **not specified**

## Discussion

*Wednesday 18 June 2008 11:45 (30 minutes)*

**Presenter:** ALL

**Session Classification:** Introduction, Aims and Overview of ATF2 Software Requirements - Part Two

Contribution ID: **11**

Type: **not specified**

## **Experimental procedure for IP beta-tuning / transport at 3 IP waists**

*Wednesday 18 June 2008 14:00 (20 minutes)*

**Presenter:** SHA BAI, IHEP AND LAL

**Session Classification:** Review of on-going beam tuning simulation work - Part one

Contribution ID: 12

Type: **not specified**

## Tuning ATF2 at lower IP betas, goals and troubles

*Wednesday 18 June 2008 14:20 (20 minutes)*

**Presenter:** Dr TOMAS, Rogelio (CERN)

**Session Classification:** Review of on-going beam tuning simulation work - Part one

Contribution ID: 13

Type: **not specified**

## FFS tuning with pre-calculated optical multi-knobs

*Wednesday 18 June 2008 14:40 (20 minutes)*

**Presenter:** Mr RENIER, Yves (LAL)

**Session Classification:** Review of on-going beam tuning simulation work - Part one

Contribution ID: 14

Type: **not specified**

## **FFS trajectory correction algorithm & plans**

*Wednesday 18 June 2008 15:00 (15 minutes)*

**Presenter:** ANTHONY SCARFE, UNIVERSITY OF MANCHESTER AND COCKCROFT INSTITUTE

**Session Classification:** Review of on-going beam tuning simulation work - Part one



Contribution ID: 15

Type: **not specified**

## Experience with ATF EXT beta matching

*Wednesday 18 June 2008 15:15 (15 minutes)*

**Presenter:** Dr APPLEBY, Rob (University of Manchester/Cockcroft Institute)

**Session Classification:** Review of on-going beam tuning simulation work - Part one

Contribution ID: **16**

Type: **not specified**

## Fast feedback & FONT

*Wednesday 18 June 2008 16:00 (20 minutes)*

**Presenter:** Dr RESTA LOPEZ, Javier (JAI, Oxford University)

**Session Classification:** Review of on-going beam tuning simulation work - Part two

Contribution ID: **18**

Type: **not specified**

## **Integrated EXT+FFS dynamic & static BBA, feedback and tuning**

*Wednesday 18 June 2008 16:20 (30 minutes)*

**Presenter:** Dr WHITE, Glen (SLAC)

**Session Classification:** Review of on-going beam tuning simulation work - Part two

Contribution ID: **19**

Type: **not specified**

## **EXT dispersion and coupling correction update**

*Wednesday 18 June 2008 16:50 (20 minutes)*

**Presenter:** WOODLEY, Mark (SLAC)

**Session Classification:** Review of on-going beam tuning simulation work - Part two

Contribution ID: **20**

Type: **not specified**

## **V.4 ATF2 Optics (main new ATF2 EXT + FFS features)**

*Wednesday 18 June 2008 17:10 (20 minutes)*

**Presenter:** WOODLEY, Mark (SLAC)

**Session Classification:** Review of on-going beam tuning simulation work - Part two

Contribution ID: **21**

Type: **not specified**

## Discussion

*Wednesday 18 June 2008 17:30 (30 minutes)*

**Presenter:** ALL

**Session Classification:** Review of on-going beam tuning simulation work - Part two

Contribution ID: 22

Type: **not specified**

## Laserwire

*Thursday 19 June 2008 08:30 (20 minutes)*

**Presenter:** Dr BOOGERT, Stewart (Royal Holloway, University of London)

**Session Classification:** Review of on-going control software development - Planning of tuning software & controls interface - Part one

Contribution ID: 23

Type: **not specified**

## Cavity BPMs (s-band and c-band)

*Thursday 19 June 2008 08:50 (20 minutes)*

**Presenter:** Dr BOOGERT, Stewart (Royal Holloway, University of London)

**Session Classification:** Review of on-going control software development - Planning of tuning software & controls interface - Part one



Contribution ID: 25

Type: **not specified**

## High-availability power supplies for FFS

*Thursday 19 June 2008 09:10 (20 minutes)*

**Presenter:** Dr WHITE, Glen (SLAC)

**Session Classification:** Review of on-going control software development - Planning of tuning software & controls interface - Part one

Contribution ID: 26

Type: **not specified**

## **Discuss requirements for mover system for IP-phase FFS feedback BPM**

*Thursday 19 June 2008 09:30 (20 minutes)*

**Presenter:** ALL

**Session Classification:** Review of on-going control software development - Planning of tuning software & controls interface - Part one

Contribution ID: 27

Type: **not specified**

## Summary of ATF controls infrastructure and KEK plans for ATF2

*Thursday 19 June 2008 09:50 (20 minutes)*

**Presenter:** Dr OKUGI, Toshiyuki (KEK)

**Session Classification:** Review of on-going control software development - Planning of tuning software & controls interface - Part one

Contribution ID: **28**

Type: **not specified**

## Discussion

*Thursday 19 June 2008 10:10 (20 minutes)*

**Presenter:** ALL

**Session Classification:** Review of on-going control software development - Planning of tuning software & controls interface - Part one

Contribution ID: 29

Type: **not specified**

## IP diagnostics

*Thursday 19 June 2008 11:00 (20 minutes)*

Readout of Shintake monitor information by Vsystem and brief plan of Shintake monitor group

**Presenter:** Dr OKUGI, Toshiyuki (KEK)

**Session Classification:** Review of on-going control software development - Planning of tuning software & controls interface - Part two

Contribution ID: 30

Type: **not specified**

## **Link between ATF (VSYSTEM) and EPICS + further developments**

*Thursday 19 June 2008 11:20 (20 minutes)*

**Presenter:** Dr WHITE, Glen (SLAC)

**Session Classification:** Review of on-going control software development - Planning of tuning software & controls interface - Part two

Contribution ID: **32**

Type: **not specified**

## AML code development

*Thursday 19 June 2008 11:40 (20 minutes)*

Basis for our cross-platform code support

**Presenter:** Mr MOLLOY, Stephen (SLAC)

**Session Classification:** Review of on-going control software development - Planning of tuning software & controls interface - Part two

Contribution ID: 33

Type: **not specified**

## FFS Magnet mover system

*Thursday 19 June 2008 13:30 (20 minutes)*

from the session of on-going control software development

**Presenter:** NELSON, Janice (SLAC)

**Session Classification:** Review of Flight Simulator project development - Detailed discussion of software task list



Contribution ID: 34

Type: **not specified**

## ATF2 Flight Simulator project

*Thursday 19 June 2008 13:50 (40 minutes)*

**Presenter:** Dr WHITE, Glen (SLAC)

**Session Classification:** Review of Flight Simulator project development - Detailed discussion of software task list

Contribution ID: 35

Type: **not specified**

## **A user's first-time Flight Simulator experience at ATF in May**

*Thursday 19 June 2008 14:30 (20 minutes)*

**Presenter:** Mr RENIER, Yves (LAL)

**Session Classification:** Review of Flight Simulator project development - Detailed discussion of software task list

Contribution ID: 36

Type: **not specified**

## Description of software task list being constructed

*Thursday 19 June 2008 14:50 (40 minutes)*

Walk-through and discussion project by project

**Presenter:** Dr WHITE, Glen (SLAC)

**Session Classification:** Review of Flight Simulator project development - Detailed discussion of software task list

Contribution ID: 37

Type: **not specified**

## Software Management issues and next steps

*Friday 20 June 2008 14:30 (20 minutes)*

**Presenter:** Dr WHITE, Glen (SLAC)

**Session Classification:** Close-out session

Contribution ID: **38**

Type: **not specified**

## Discussion

*Friday 20 June 2008 14:50 (1h 40m)*

Rest of afternoon free for discussion on remaining issues, individually and / or in groups, on specific tasks...

**Presenter:** ALL

**Session Classification:** Close-out session