

Accelerator Reliability Workshop



Sunday 10 April 2011 - Friday 15 April 2011

iThemba LABS

Scientific Programme

Session 1

Basic Theory of Reliability

Session 2

History of Accelerator Reliability

Session 3

Statistics

Session 4

Design for reliability: mechanical engineering; electrical engineering

Session 5

Design for reliability continued: control; software

Session 6

Medical accelerators

Session 7

Software tools for reliability

Session 8

RF System

Session 9

Sources

Session 10

Vacuum

Session 11

Tour of iThemba LABS

Session 12

Colliders

Session 13

Light sources

Session 14

Spallation sources

Session 15

HPPA and neutron sources

Session 16

Cyclotron and Linear accelerators

Session 17

Improving reliability: CTRLM, call systems, spare parts, training, procedures

Session 18

Utilities: water, AC power, Linac, UPS, generator, HVAC, CRYO

Session 19

Utilities: magnets, interlock

Session 20

Making reliable commissioning