

ALPS Project Status & Plans for this EYETS

Tunnel installation:

Radiation monitors installation & survey status



BE-BI-QP

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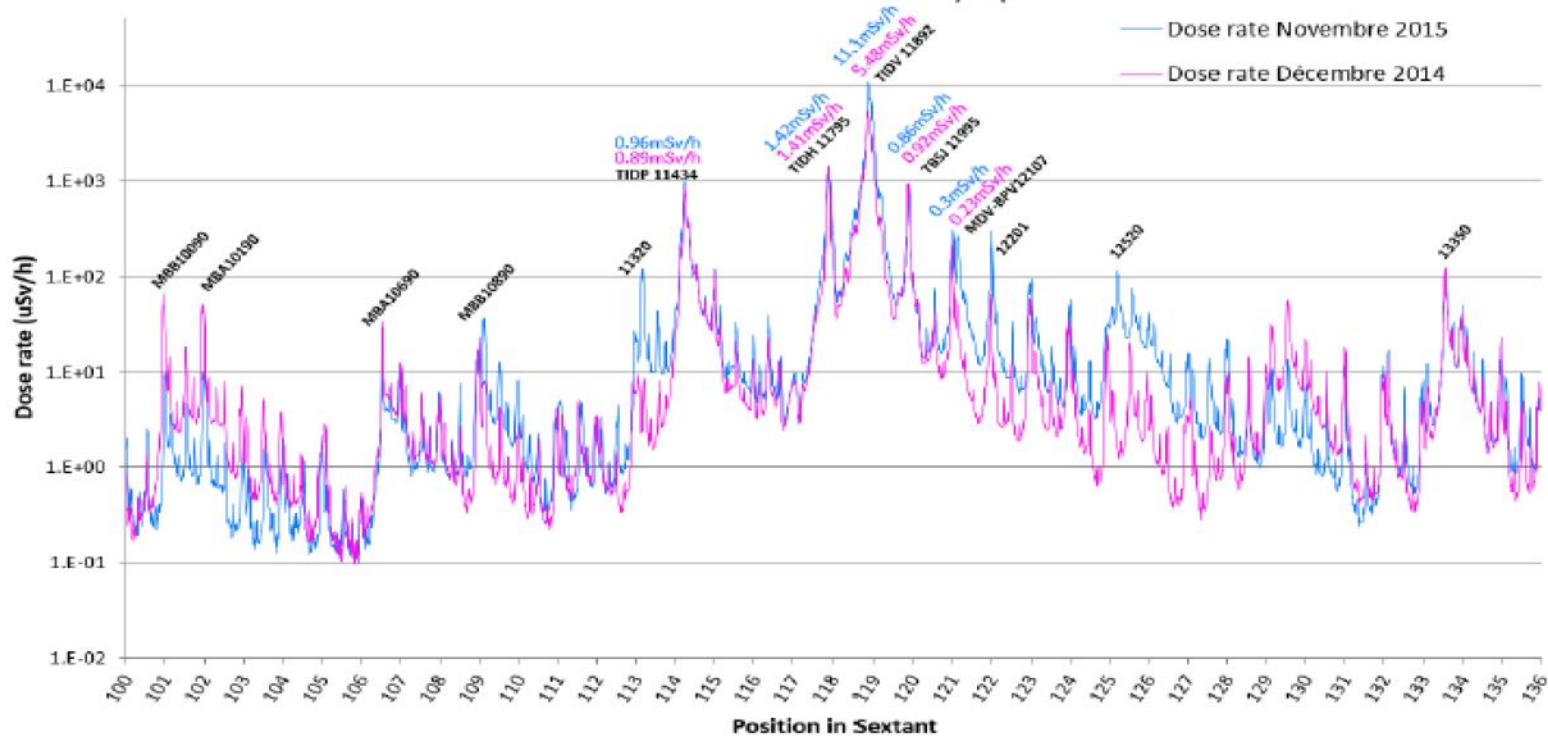
(25/01/2017)

Introduction

- ALPS front-end (FE) electronics (216 units) exposed to radiation
- The maximum expected TID at the selected positions was ~1 kGy over 10 years (in less than 10 positions)
- The FPGA of the GEFE is specially sensible to radiation effects (TID up to 750 Gy in very optimistic case)
- Latest RP survey results do not match the previous one (and foreseen to continue)

SPS - Sextant 1

SEXTANT 1 - Comparaison entre Décembre 2014 et Novembre 2015
Activité rémanente fin du Run Physique



Status & Outlook

- **Status**

- Collaborating with the following working groups:
 - MCWG in order to evaluate the radiation levels of SPS
 - RadWG will provide the electronics to monitor the radiation levels (e.g. RadFet)
- Increased production of GEFE + BDF up to 350 pieces (62% of spares)

- **Outlook**

- Install RadFets in all FE positions
 - 200 RadFet (some positions have racks with multiple FE electronics)
 - Foreseen by week 8
 - **Manpower required**
- Evaluate different placements of FE electronics with respect to the magnet
- Evaluate the use of shielding
- Visit to SPS with Salvatore Danzeca (RadWG) schedule by Thursday 26th of January (Tomorrow!!!)