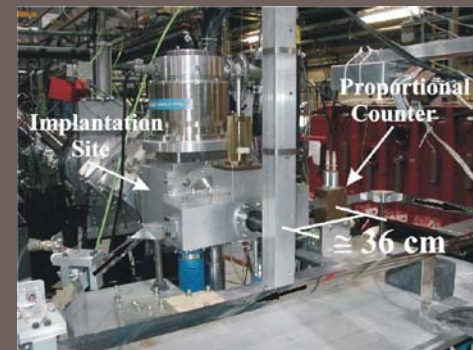


GPS LEBT Relocation Project

ISAC Facilities Meeting

January 25, 2012

Gordon Ball | TRIUMF

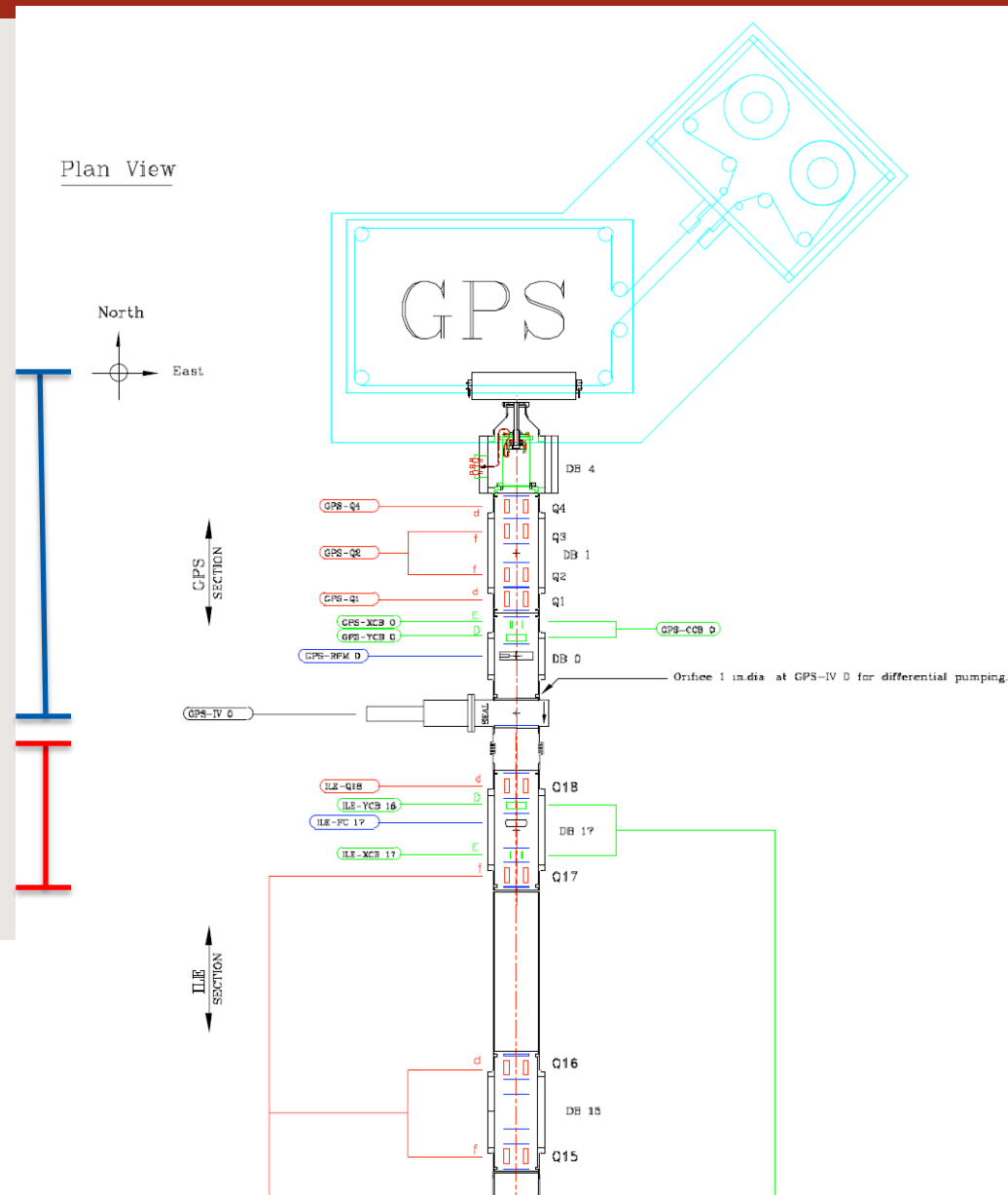


GPS location June 2001-Dec 2010

The GPS lifetime facility was the first experiment on the ground floor of the ISAC-I hall in the fall of 1998. Since then it has been required to move 2 (now 3) times.

During the cyclotron shutdown in 2011 the GPS section was removed intact (i.e. still mounted on the original beamline stands) to make way for the Francium trapping facility

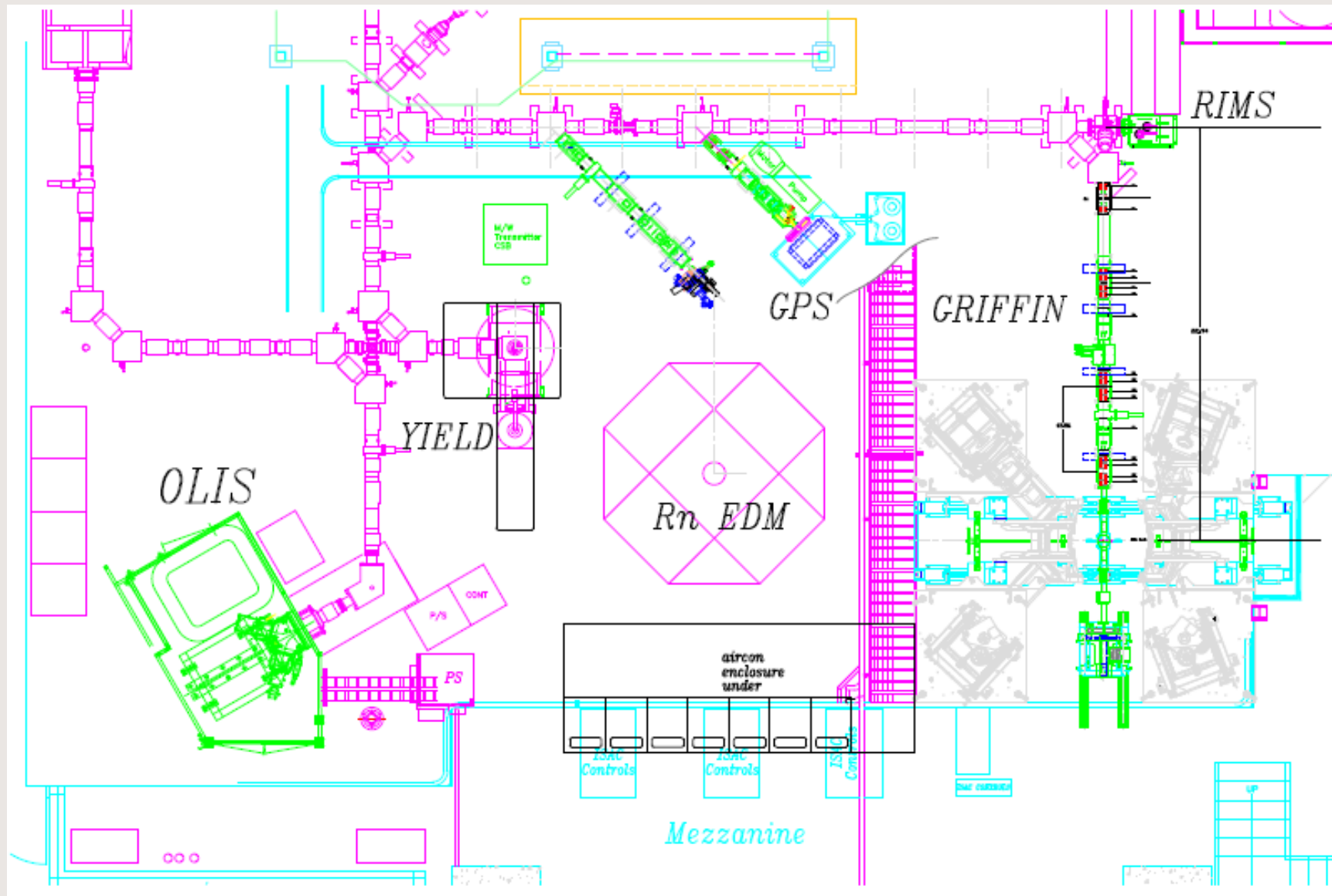
DB17 was part of the original GPS LEBT that will now remain on the Francium beamline and a duplicate needs to be built for GPS



REV	DATE	REVISION DESCRIPTION	BY	APP'D
1	15 Ap 2001	New labels for ILE-XCB 17 and YCB 18		RD
TRIUMF 1504 WESBROOK MALL, VICTORIA, BRITISH COLUMBIA, CANADA V8P 2S7 CANADA'S NATIONAL MESON FACILITY				
LEBT - GPS OPTICS				
Drawn	Roy Dube	Approved	ENG NO	REV
DATE	5 March 2001		ISK4248D	1

January 25, 2012

GRIFFIN beamline and proposed relocation of RnEDM and GPS

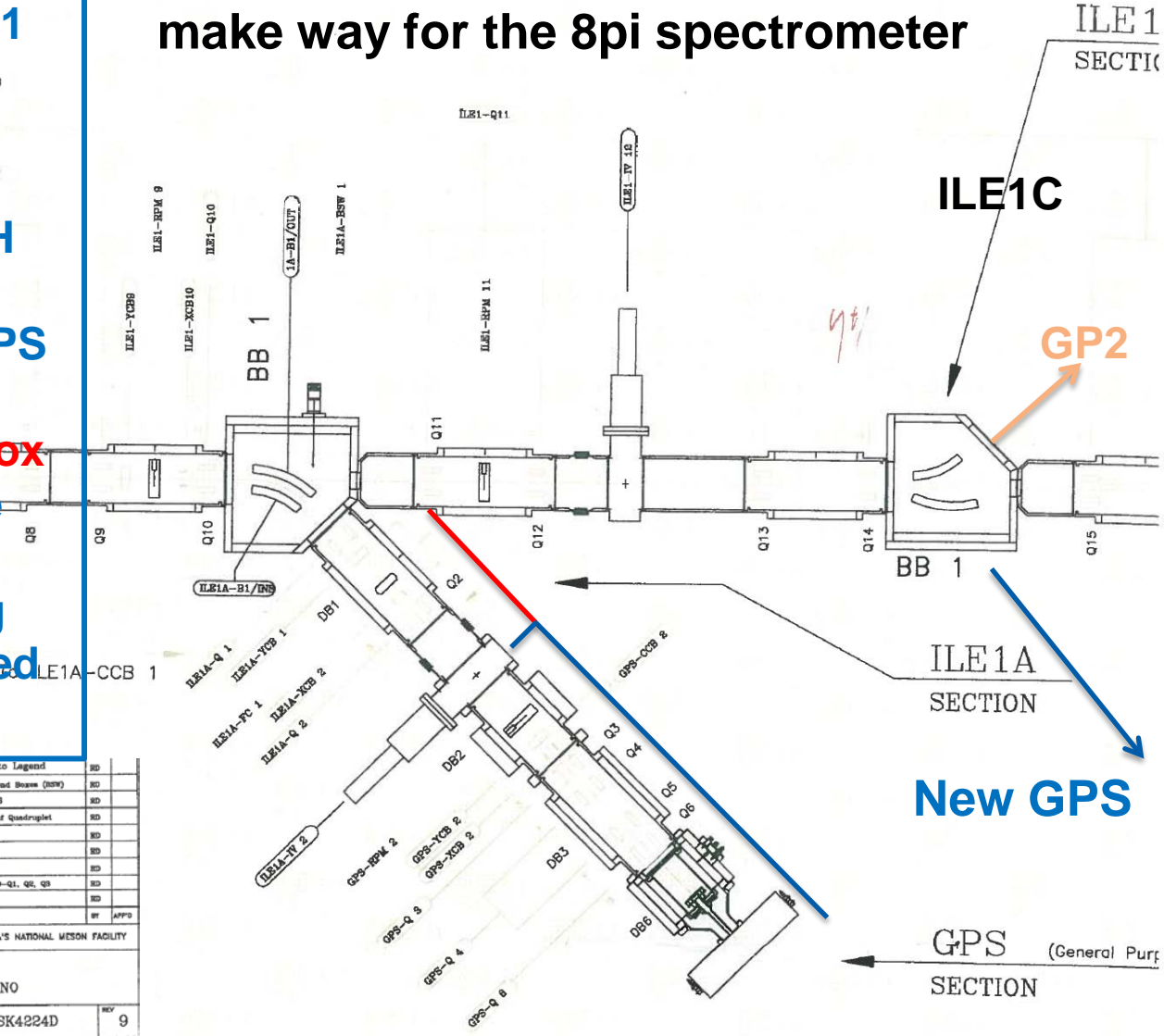


GPS LEBT relocation project

Relocation of GPS to ILE1 requires:

- 1) Replacing the ILE1C⁷ LH bender with at RH bender
- 2) Installing existing GPS section plus replacement DB17 box
- 3) Reusing some of the existing power supplies and cabling from decommissioned GP2 facility

GPS moved from this location in 2001 to make way for the 8pi spectrometer



9	9 July 99	Added Remote Actuator (RHW) to Legend	SD
8	8 July 99	Updated Huntington Actuators for Speed Beam (HW)	SD
7	14 June 99	Added GPS-Q3 to GPS-Q8	SD
6	31 May 99	Replaced Oakridge Triplet with Triumf Quadruplet	SD
5	5 May 99	Added LTND-FC 3	SD
4	27 Apr. 99	Added LTNO CB3	SD
3	5 Mar. 1999	Added ILE1C section	SD
2	26/02/99	Revised LTNO-Q8, Q10, Q11 as LTNO-Q1, Q2, Q3	SD
1	19/Feb. 99	Added diagnostics (P/C and R/W)	SD
REV	DATE	REVISION DESCRIPTION	BY APPD
TRIUMF 4004 WILSON BLVD. VICTORIA, BRITISH COLUMBIA CANADA'S NATIONAL MESON FACILITY CHENIERE V8P 2S4			
LEBT - OPTICS SECTIONS ILE-B1 to LTNO			
DRAWN	R. Dube	APPROVED	9
DATE	10 Feb. 99	ISK4224D	

GPS LEBT Relocation Project Milestones

- New GPS location approved (Oct 2011)
- Optical design confirmed (Nov 2011)
- Gate Review (budget and resources identified) (17 Feb 2012)
- Harvest parts and order replacements (31 Mar 2012)
- Assembly components and prep for installation (01 May 2012)
- Complete mechanical Installation of beamline (30 Jun 2012)
- Complete Installation of electrical services (31 Jul 2012)
- Complete controls and commission beamline (31 Aug 2012)
- Install and commission GPS lifetime facility (31 Oct 2012)
- High priority experiment tentatively scheduled for Nov 2012

Decommissioned GP2 beamline

