




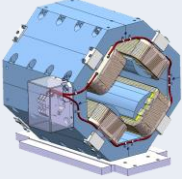
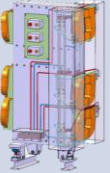
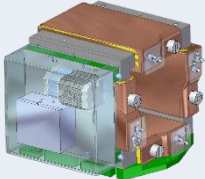
PSB Upgrade
LIU Project

Magnets for L4 connection

A. Newborough

February 2015



MAGNET	SLOT	STATUS	COMMENT
 PXMBHEJCWP	LT.BHZ20	Contract placed, SEF – FR Delivery expected mid 2015	1 unit for consolidation reasons. New design includes improved cooling and magnetic circuit to run at L4 field levels. Existing magnet may require new magnetic circuit.
 PXMQNASFAP	LBE.QFW10 LBE.QDW20	Contract complete, Scanditronix – SE Delivered 2014	As per L4T transfer line, see http://indico.cern.ch/getFile.py/access?contribId=7&resId=1&materialId=slides&confId=209937
 PXMBVDB4WC	BI.BVT10	Contract placed, Elytt – ES Delivery expected end 2015	1 + 1 spare, new magnet required for L4 energy.
 PXMCLAWAP	BI(1:4).DHZ50 BI(1:4).DVT50 BI(1:4).DHZ70 BI(1:4).DVT70	Contract placed, Scanditronix – SE Delivery expected end 2015/beginning 2016	8 + 2 spares ordered for L4 connection. 10 magnets ordered for consolidation of the other LT, LTB, BI correctors.



[PXMBHGE4WP](#) BHZ INJ, BR.BHZ162

One of the two existing spare ([PXMBHGC4WP](#) BHZ MAIN) is being transformed into a BHZ INJ for measurement campaign required for 2.0 GeV and could be considered for the L4 connection. New BHZ INJ magnet with modified coils is to be constructed for 2.0 GeV upgrade – **delivery expected beginning of 2018.**

[PXMBHGC4WP](#) BHZ MAIN, BR.BHZ11

Second existing spare could be considered for the L4 connection, **however if used there will not be a NON-RADIOACTIVE magnet for the new BHZ REF!**

