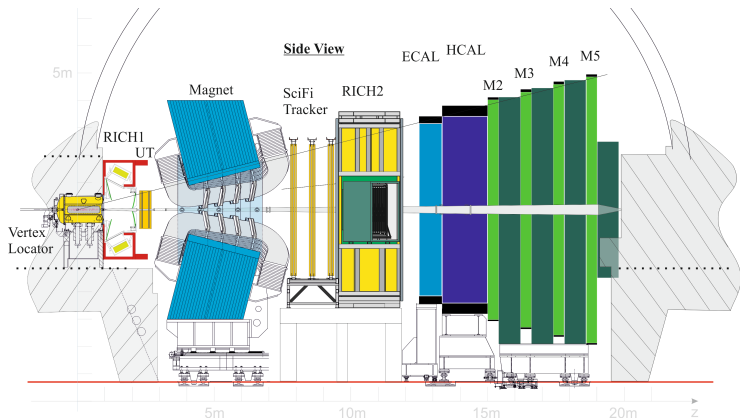


LHCb testbeam programme in 2015

- ▶ Characterisation of prototypes for the LHCb upgrade (to be installed in LS2).
- ▶ Beam time is shared between Vertex Locator (silicon pixels), Upstream Tracker (silicon strips), Scintillating Fibre Tracker, RICH, and calorimeter.
- ▶ In addition: test of TORCH (**T**ime **O**f internally **R**elected **C**herenkov radiation) prototypes (possible addition for LS3).



▶ 13 May – 26 May: SciFi, TORCH, VELO

- ▶ “standard” hadron beam (high momentum, high-ish intensity, parallel, ~ 5 – 10 mm width)
- ▶ re-install Timepix3 telescope mid April, commissioning with beam during UA9 run?
- ▶ required space: ~ 3 m (SciFi) + ~ 2.5 m (telescope) + ~ 3.5 m (TORCH)

Week	18	19	20	21	22
T4 - H8	W. Scandale		UA9	H. Schindler	Scrubbing
					LHCb
					ATLAS TRT
					S. Vlachos

▶ 15 June – 24 June: VELO (tbc), Calorimeter

- ▶ 2 – 3 days of low energy electron beam

Week	23	24	25	26	27
T4 - H6	Scrubbing	T. Bergauer	RE20 BELLE II	CMS Outer Tracker	ATLAS ITK
				ATLAS Lazic	ATLAS Pixel
				S. Vlachos	
T4 - H8		UA9	TOTEM	H. Schindler	LHCb
		W. Scandale	M. Bozzo		ATLAS RPC
					S. Vlachos
					ATLAS NSW

▶ 8 July – 29 July: RICH, TORCH (tbc), UT, VELO

- ▶ “standard” hadron beam

Week	27	28	29	30	31
T4 - H8	ATLAS RPC	ATLAS NSW			LHCb
	S. Vlachos	H. Schindler			SoIPix

► 17 September – 7 October: Calorimeter, RICH, TORCH, UT, VELO

- 2 – 3 days of electron beam
- Detailed schedule to be defined.

Week	36	37	38	39	40
T4 - H6	RD42 D. Dannheim	Clic pix S. Vlachos	ATLAS ITK S. Vlachos	ATLAS AFP/ITK	CERF
T4 - H8	S. Vlachos	ATLAS NSW	TOTEM M. Bozzo	H. Schindler	LHCb

► 4 November – 16 November: SciFi, TORCH, UT, VELO

- Detailed schedule to be defined.

Week	45	46	47	48	49
T4 - H8	RDS2 (DREAM) UA9	LHCb			

Infrastructure

- ▶ Cable trays in H8 are a great improvement (thanks to Michael!).
- ▶ Can we install additional network outlets in the beam zone?
- ▶ Installation of reference points for survey?

Thanks for the excellent support in 2014!
Looking forward to the upcoming testbeams...