

Vacuum chambers alignment in LSS

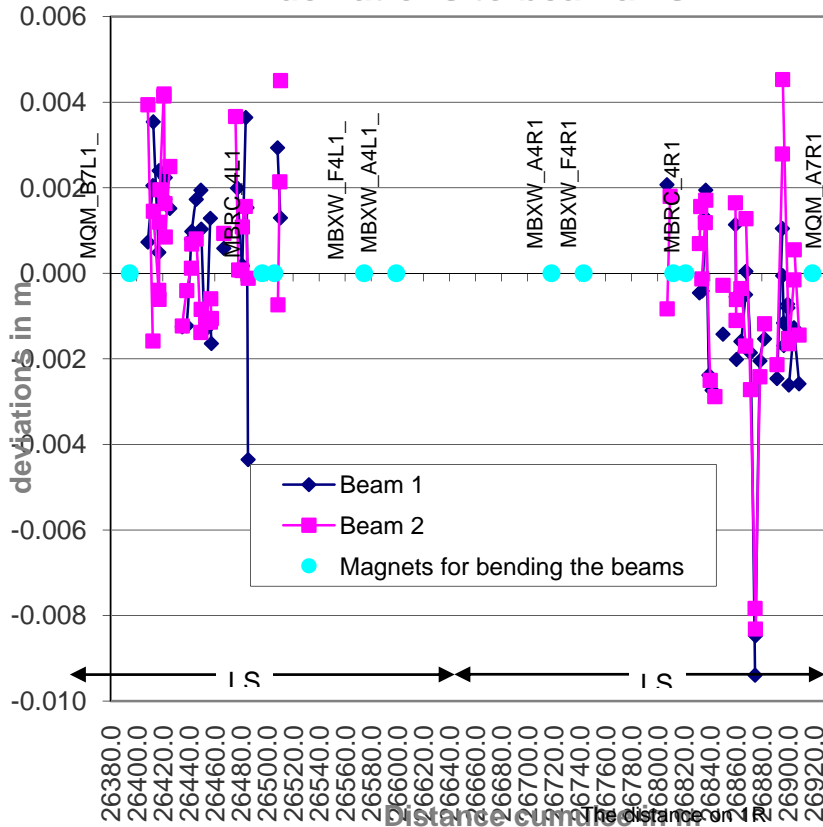
Data provided by ABP-SU

LSS1, LSS2 presented at LCU 4/21

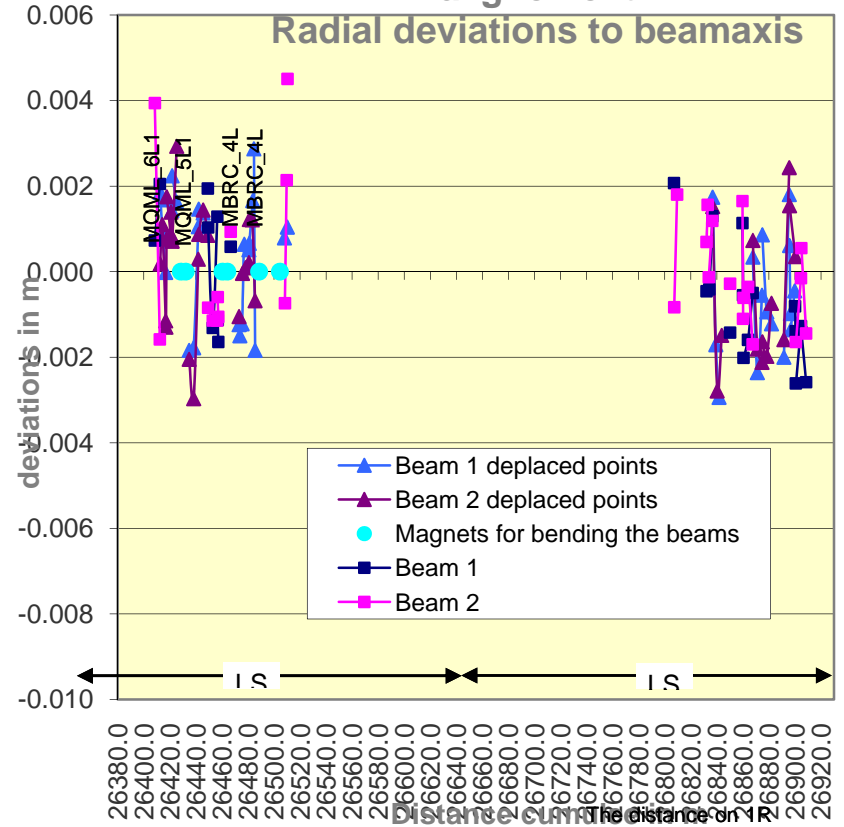
LSS4 presented at LCU 4/21 and 6/2

LSS1 - Horizontal

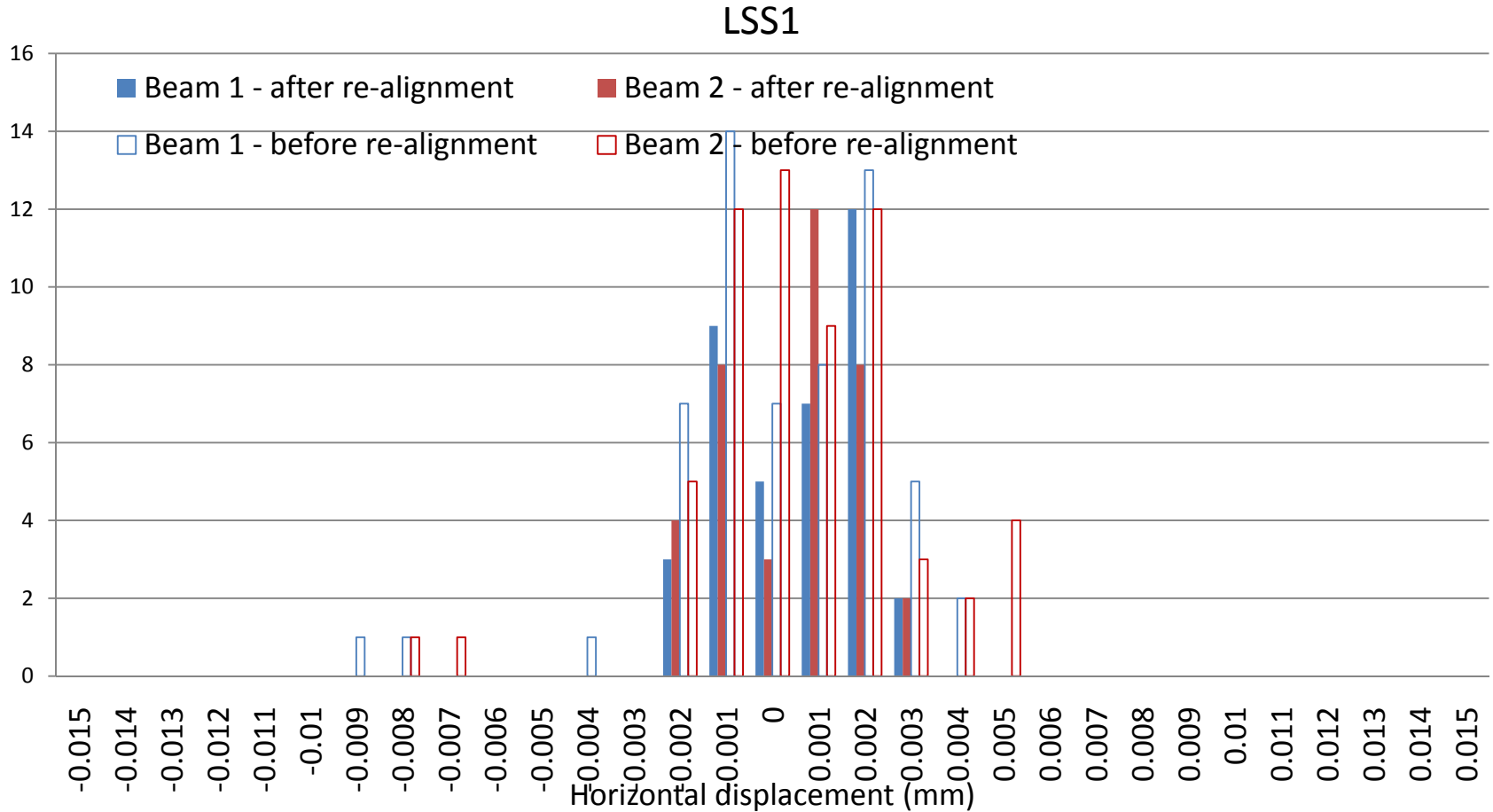
LSS 1 - chambres à vide - radial deviations to beamaxis



LSS 1 - chambres à vide - après alignement

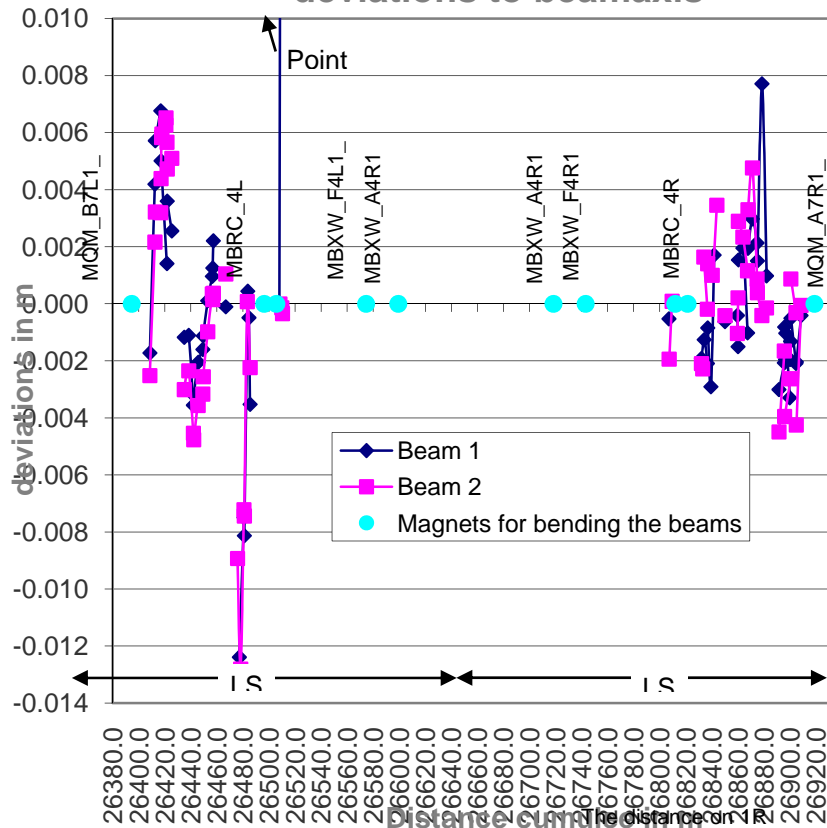


Distribution

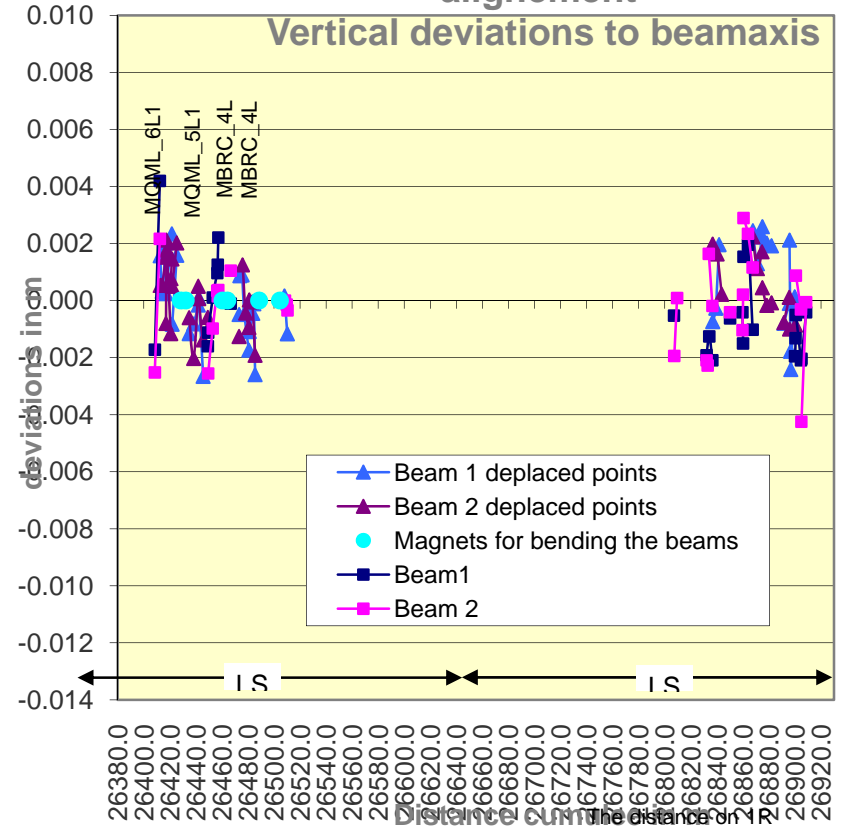


LSS1 - Vertical

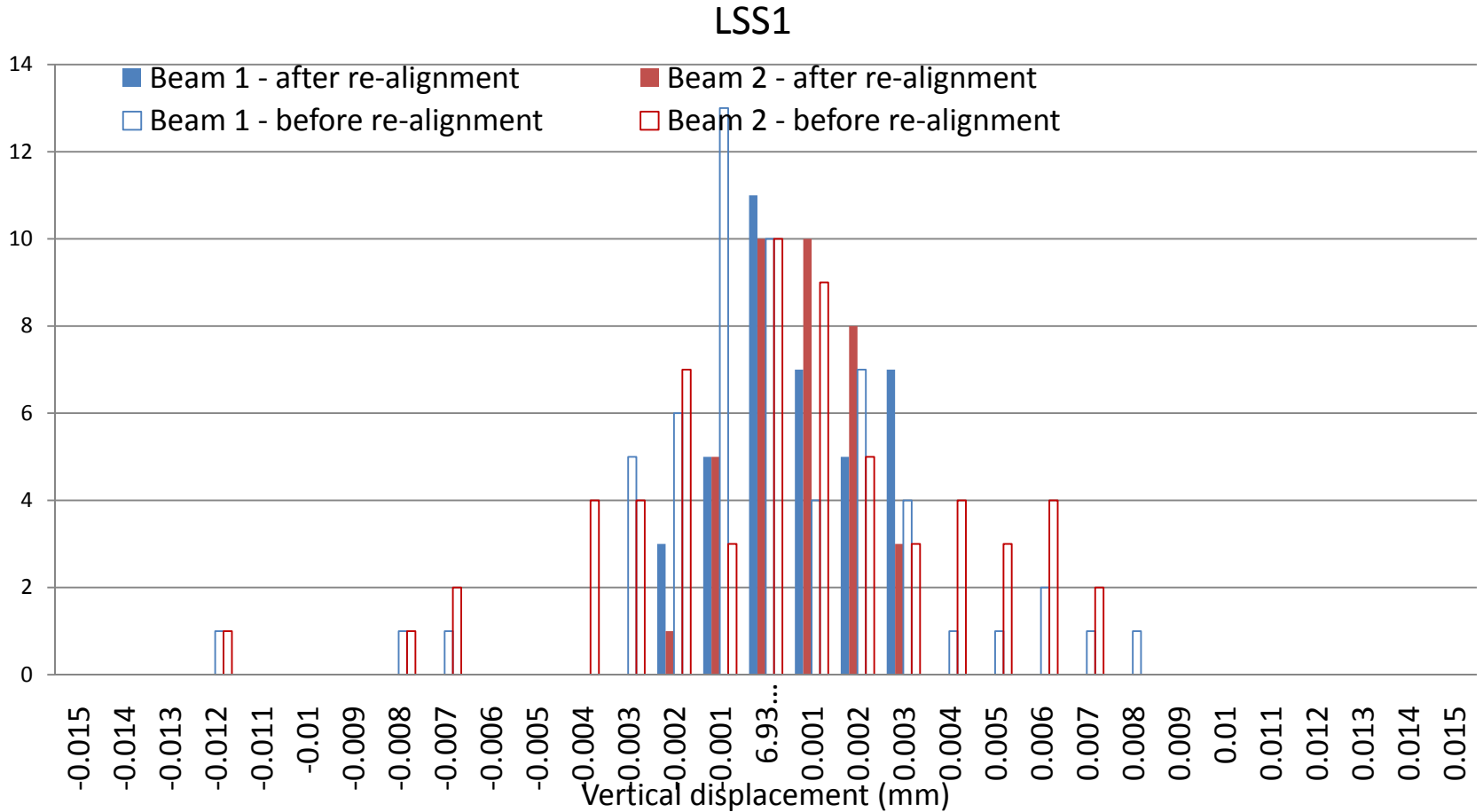
LSS 1L - chambres à vide - vertical deviations to beamaxis



LSS 1 - chambres à vide - après alignement

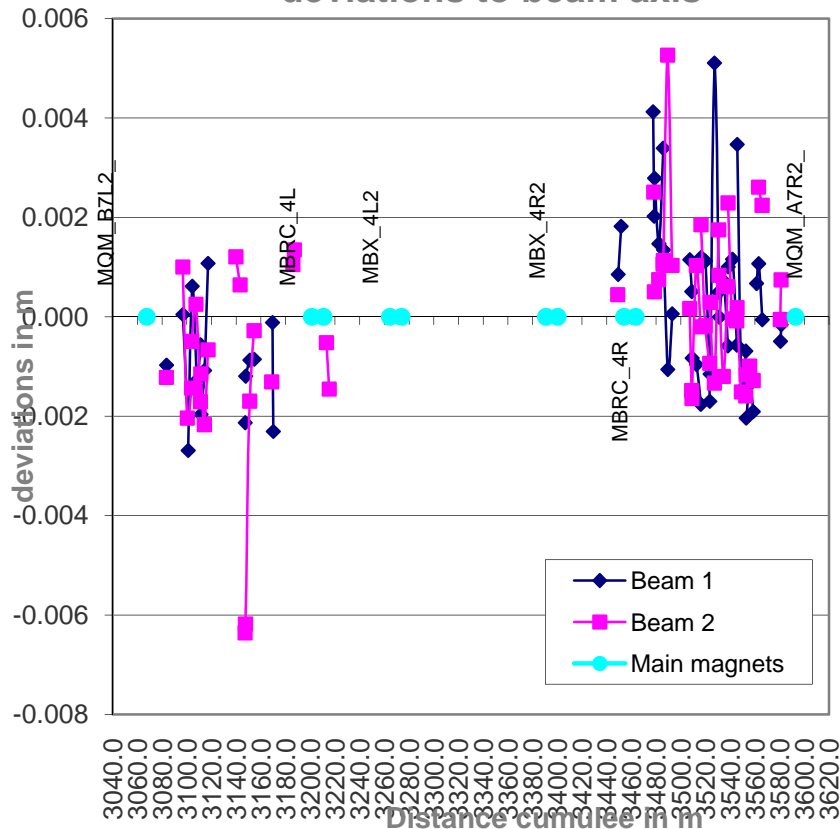


Distribution

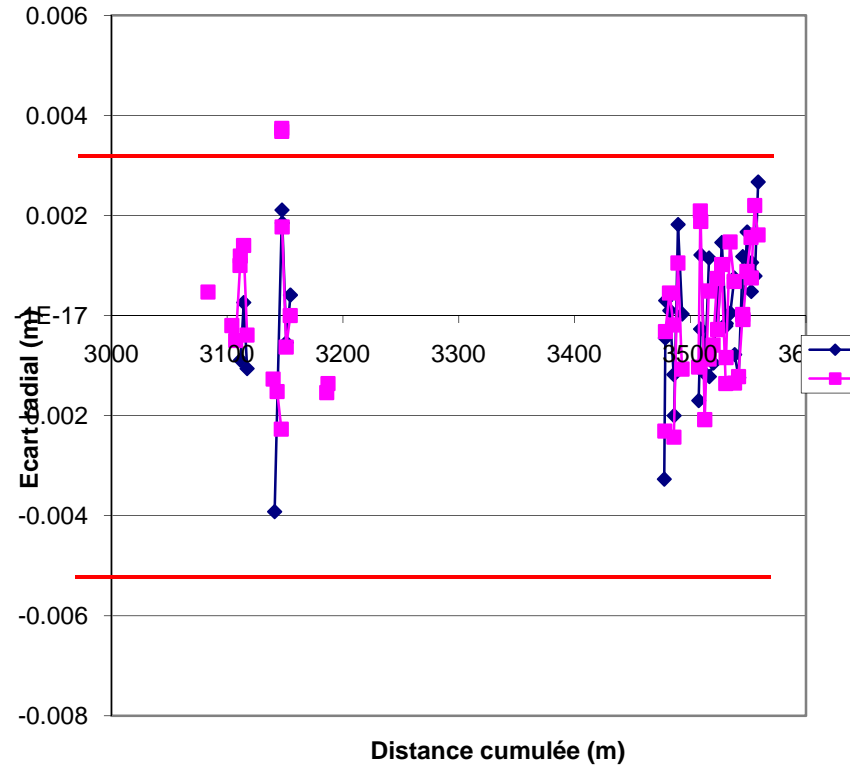


LSS2 - Horizontal

LSS 2 - vacuum chambers - radial deviations to beam axis

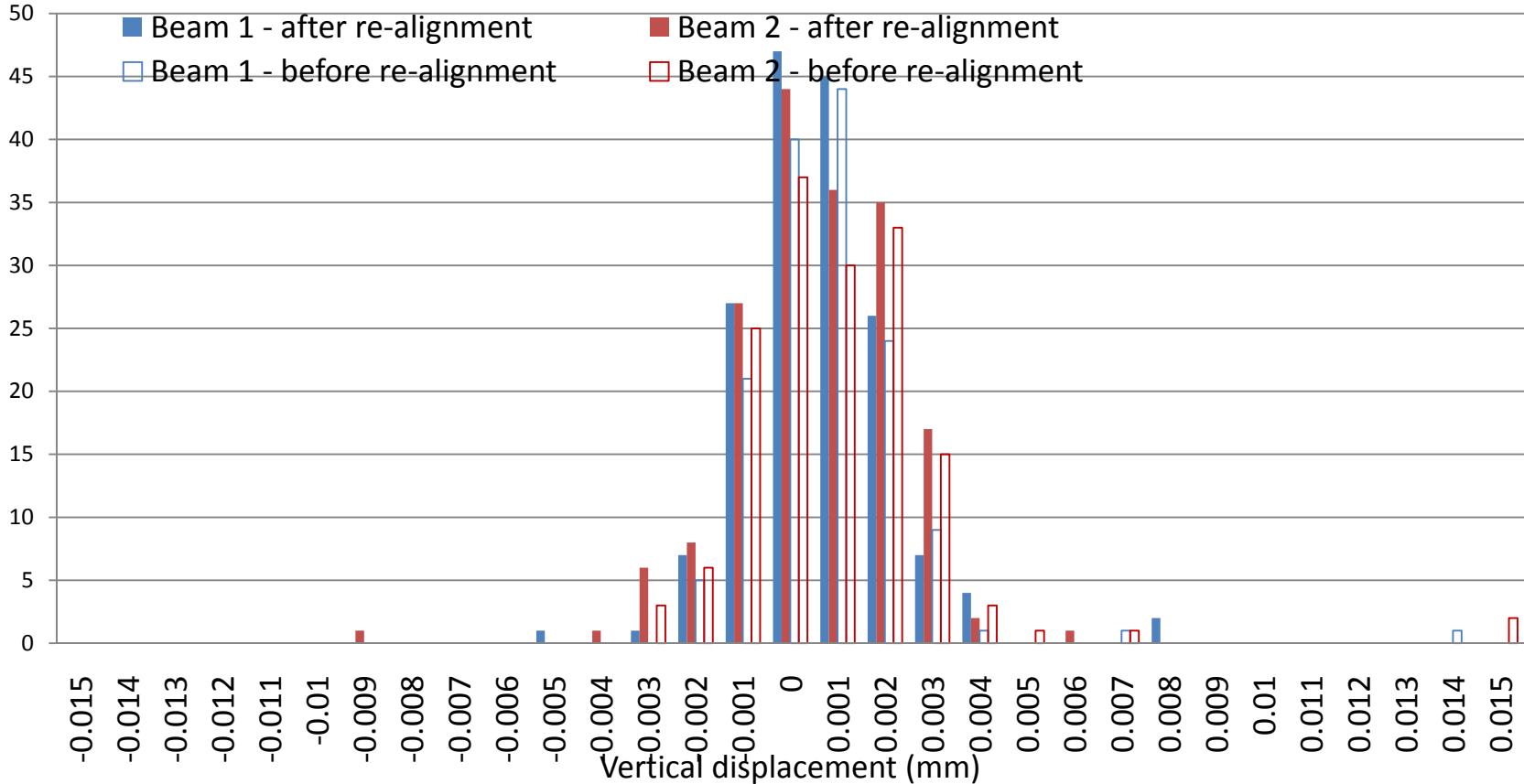


LSS2 - Chambres à vide - Après 1° alignement RADIAL

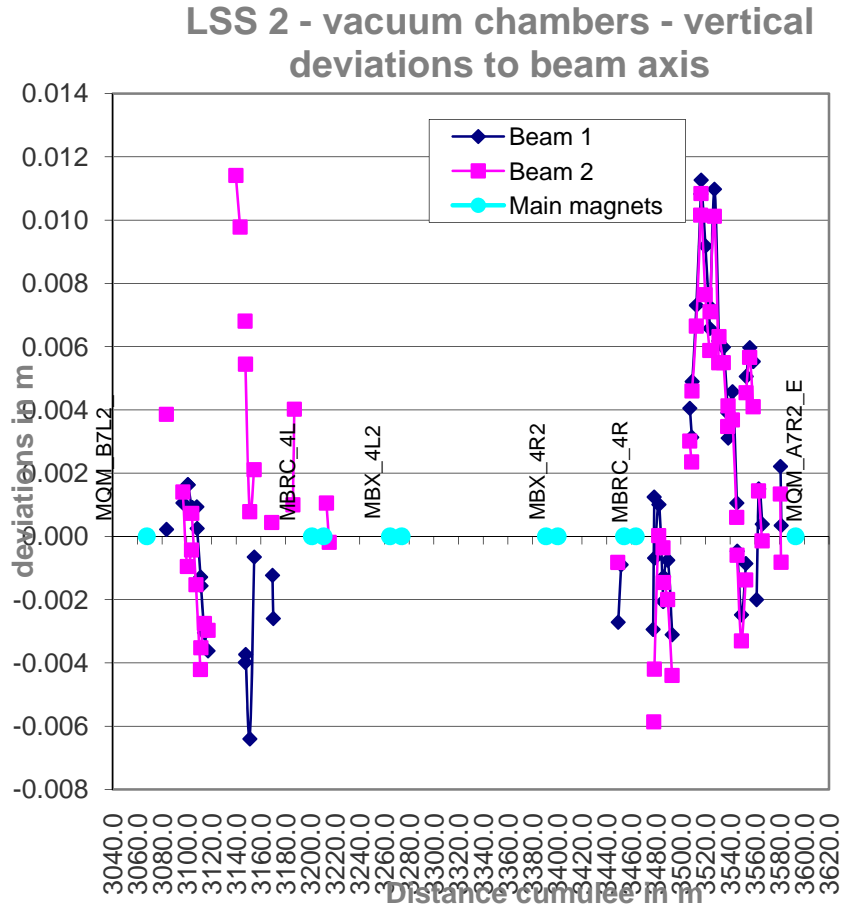


Distribution

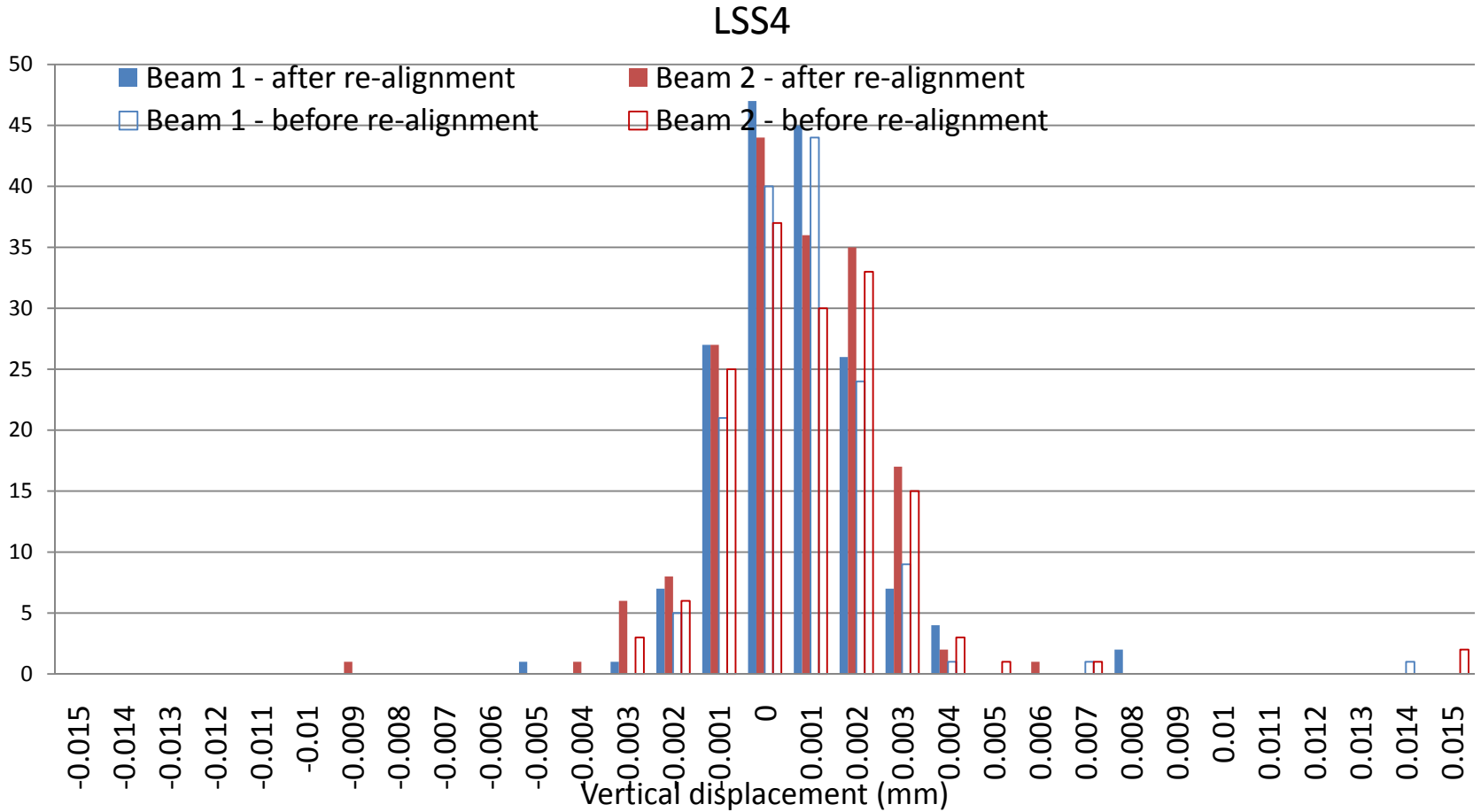
LSS4



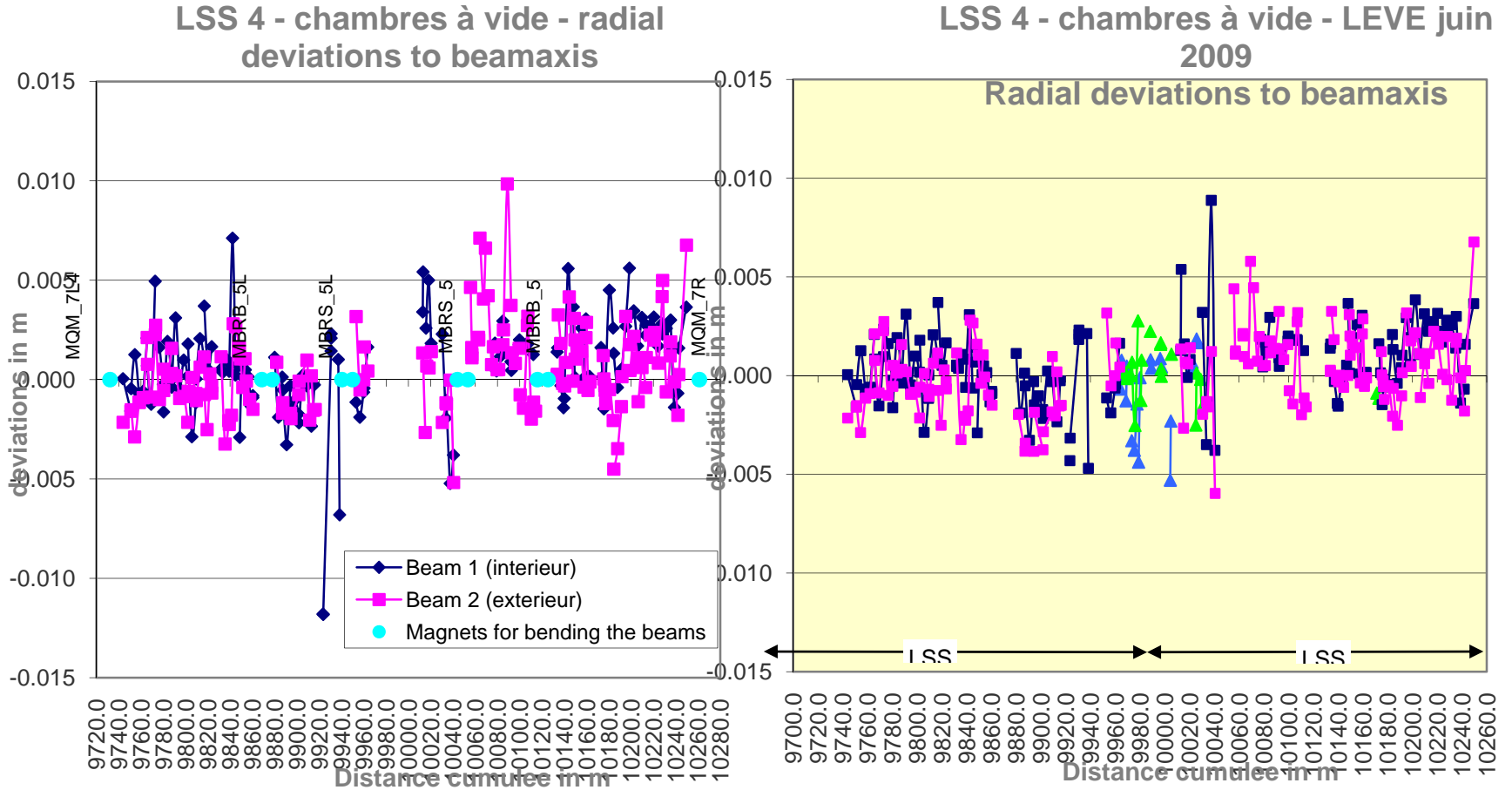
LSS2 - Vertical



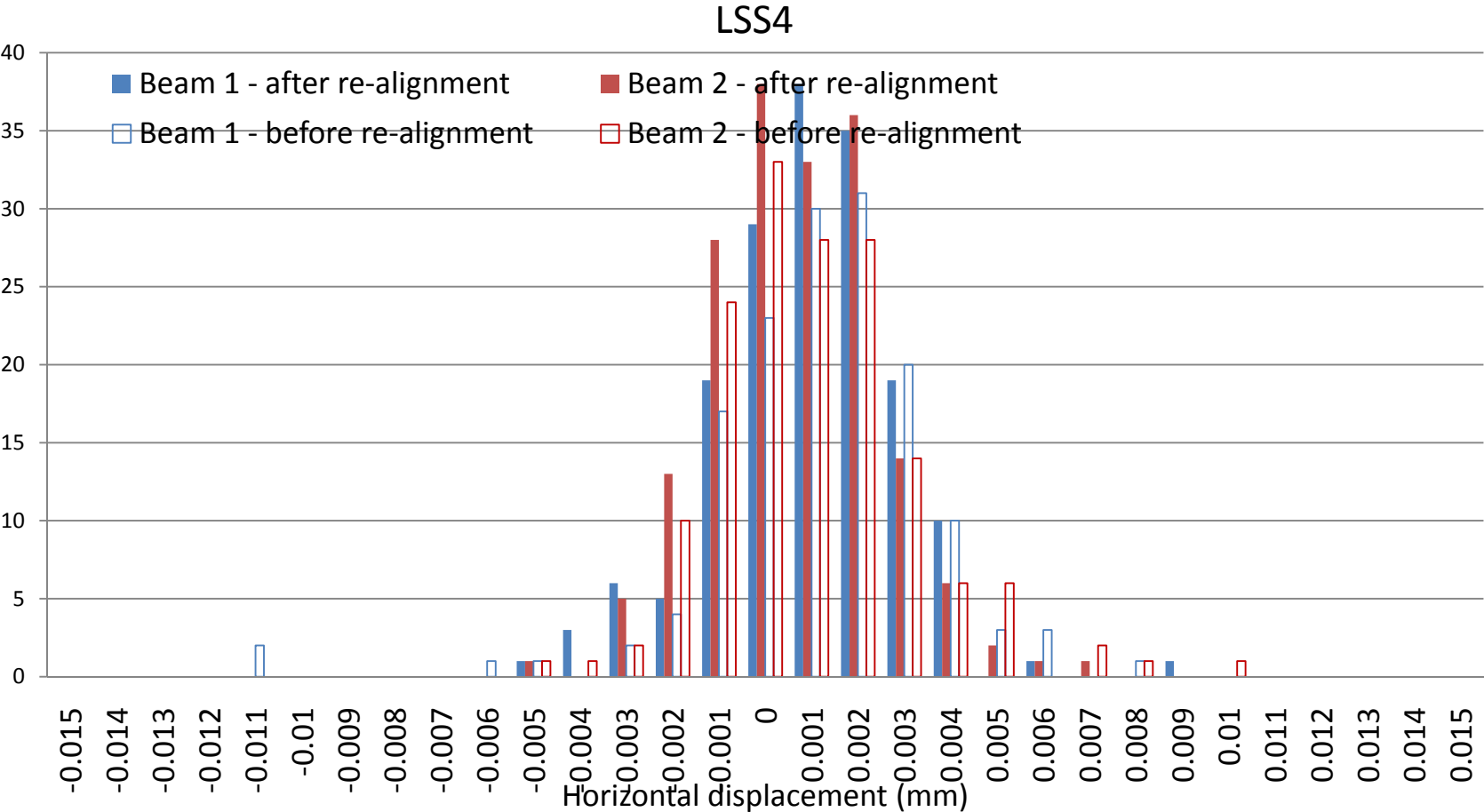
Distribution



LSS4 - Horizontal

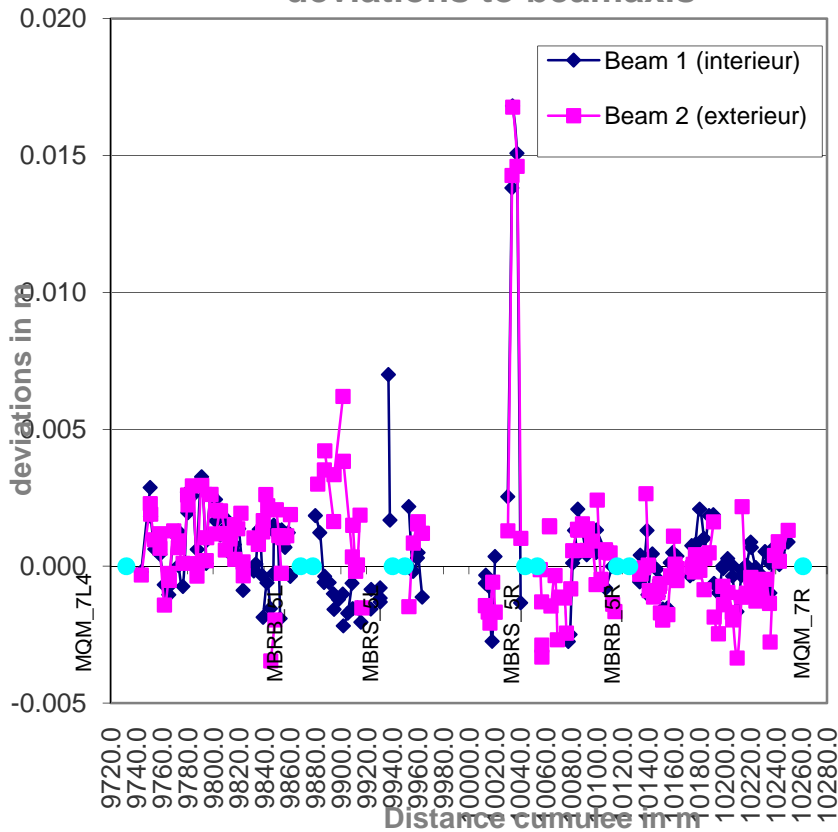


Distribution

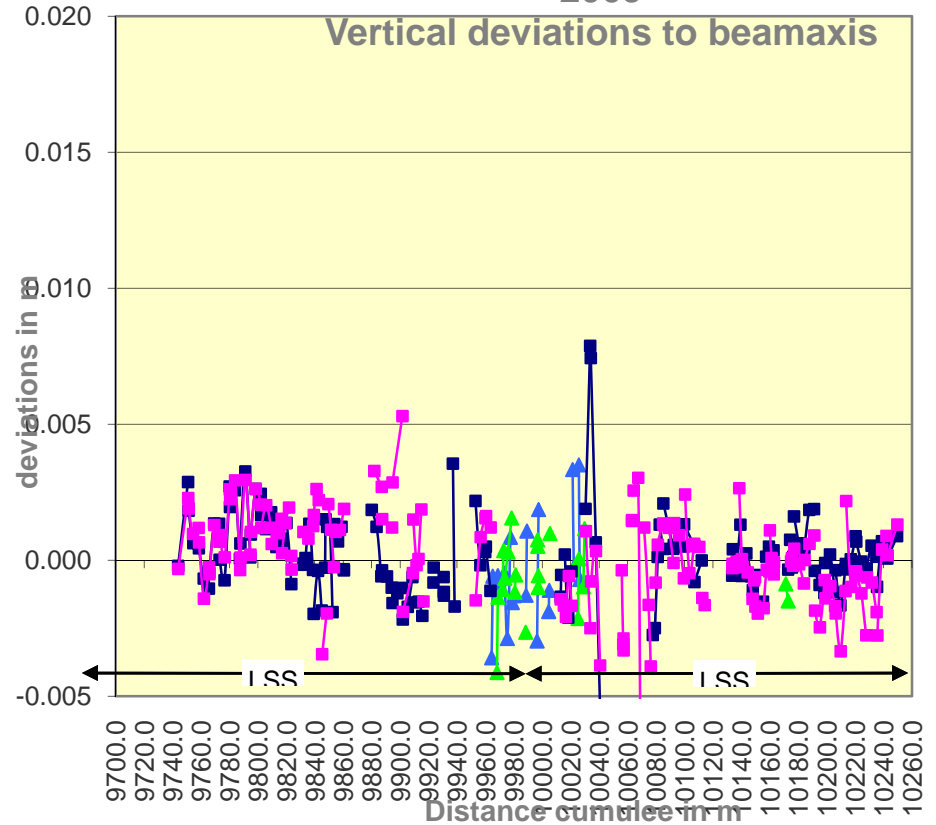


LSS4 - Vertical

LSS 4 - chambres à vide - vertical
deviations to beamaxis

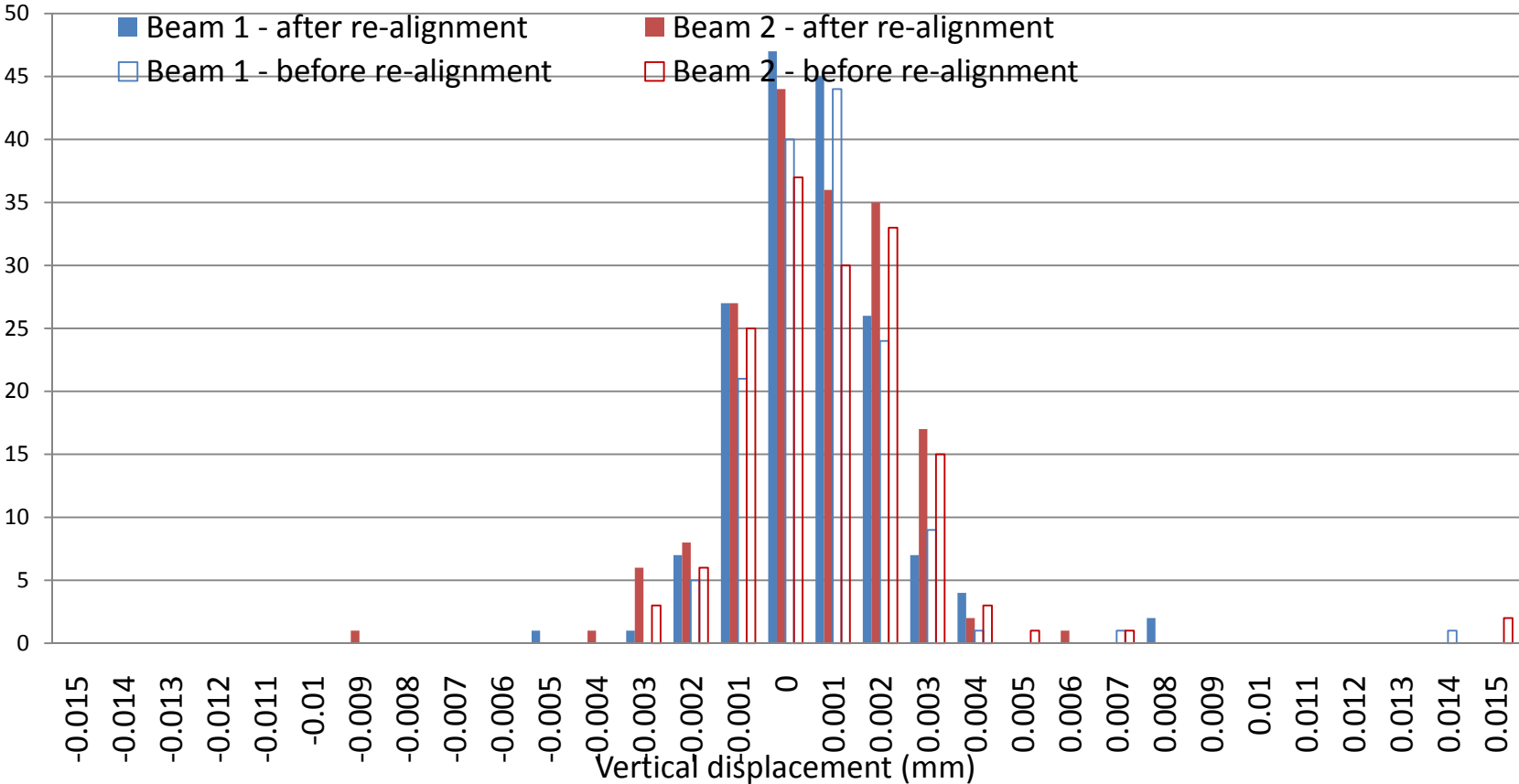


LSS 4 - chambres à vide - LEVE juin
2009



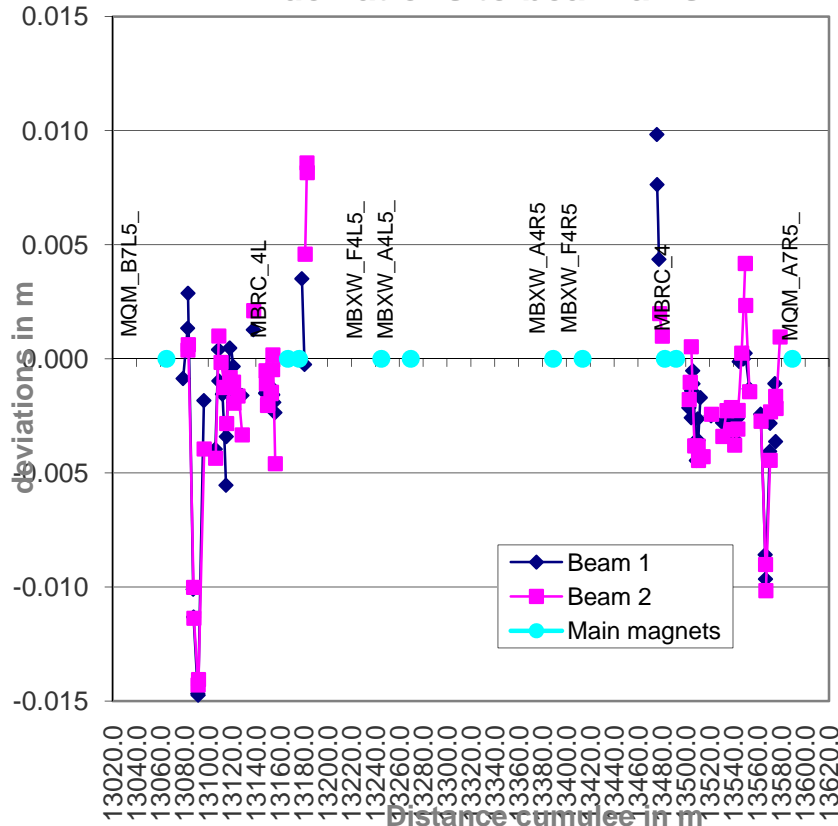
Distribution

LSS4

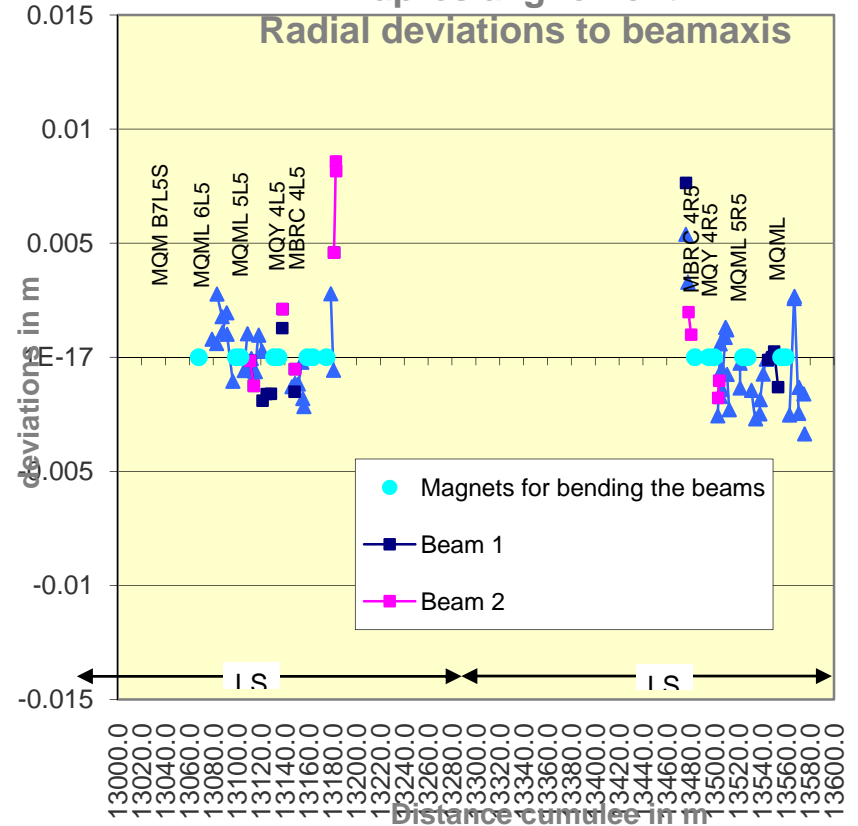


LSS5 - horizontal

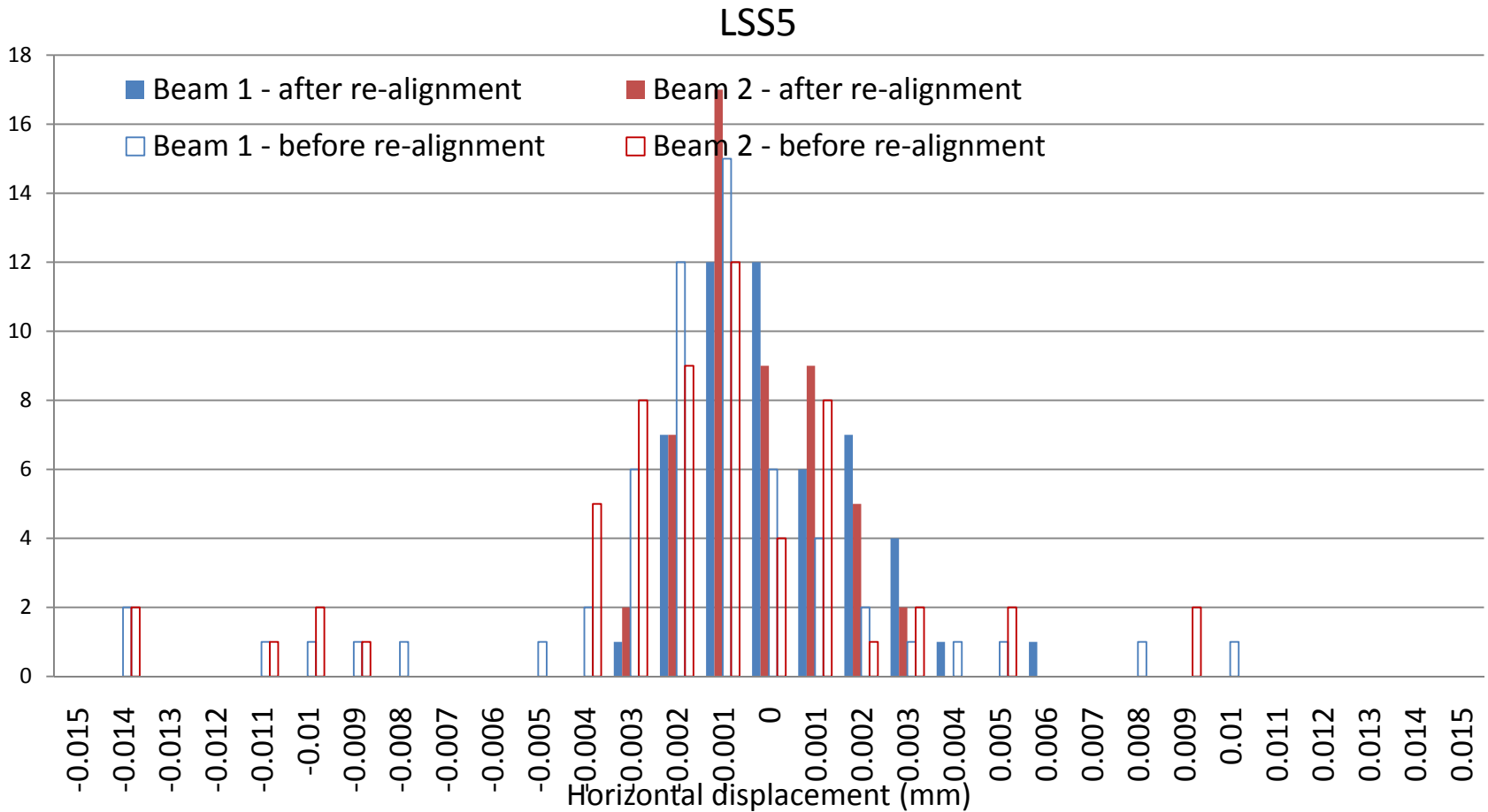
LSS 5 - vacuum chambers - radial deviations to beam axis



LSS 5 - chambres à vide - contrôle après alignement

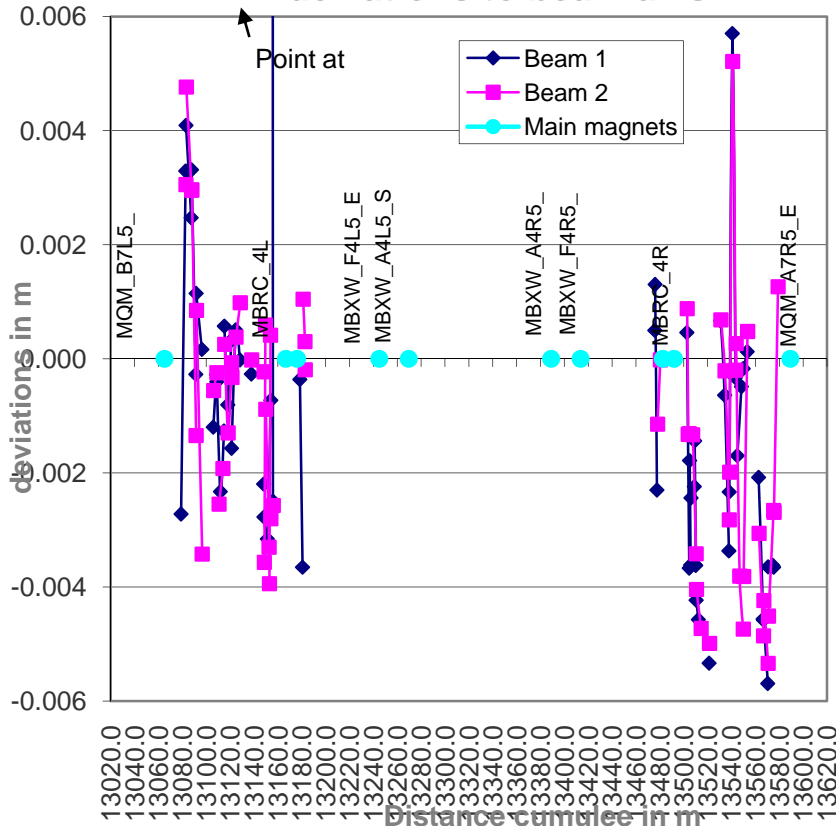


Distribution

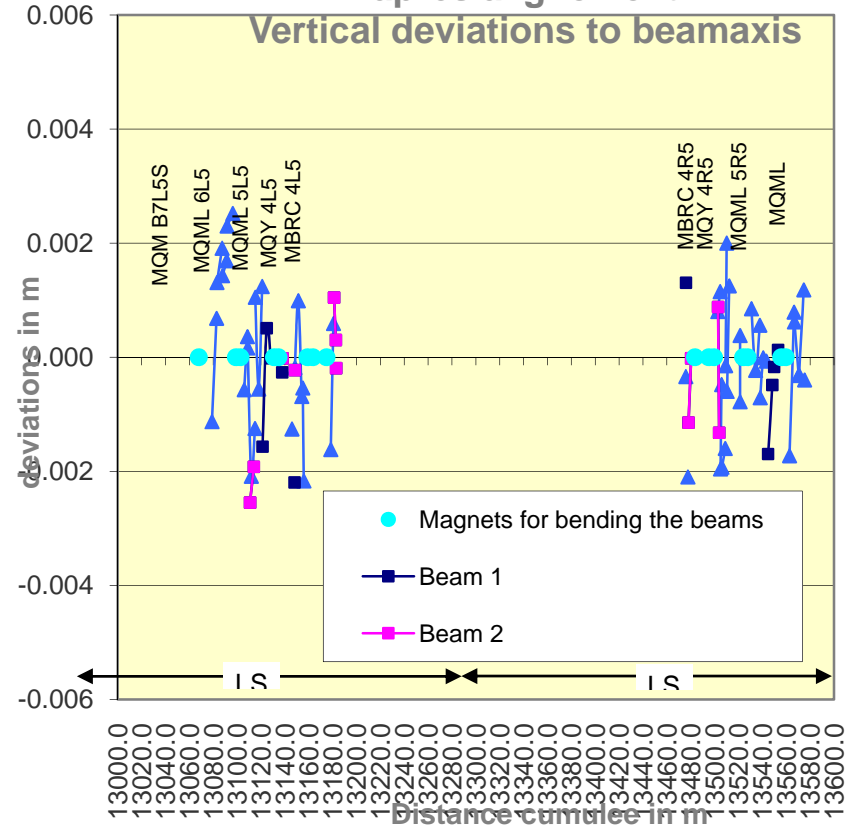


LSS5 - vertical

LSS 5 - vacuum chambers - vertical deviations to beam axis

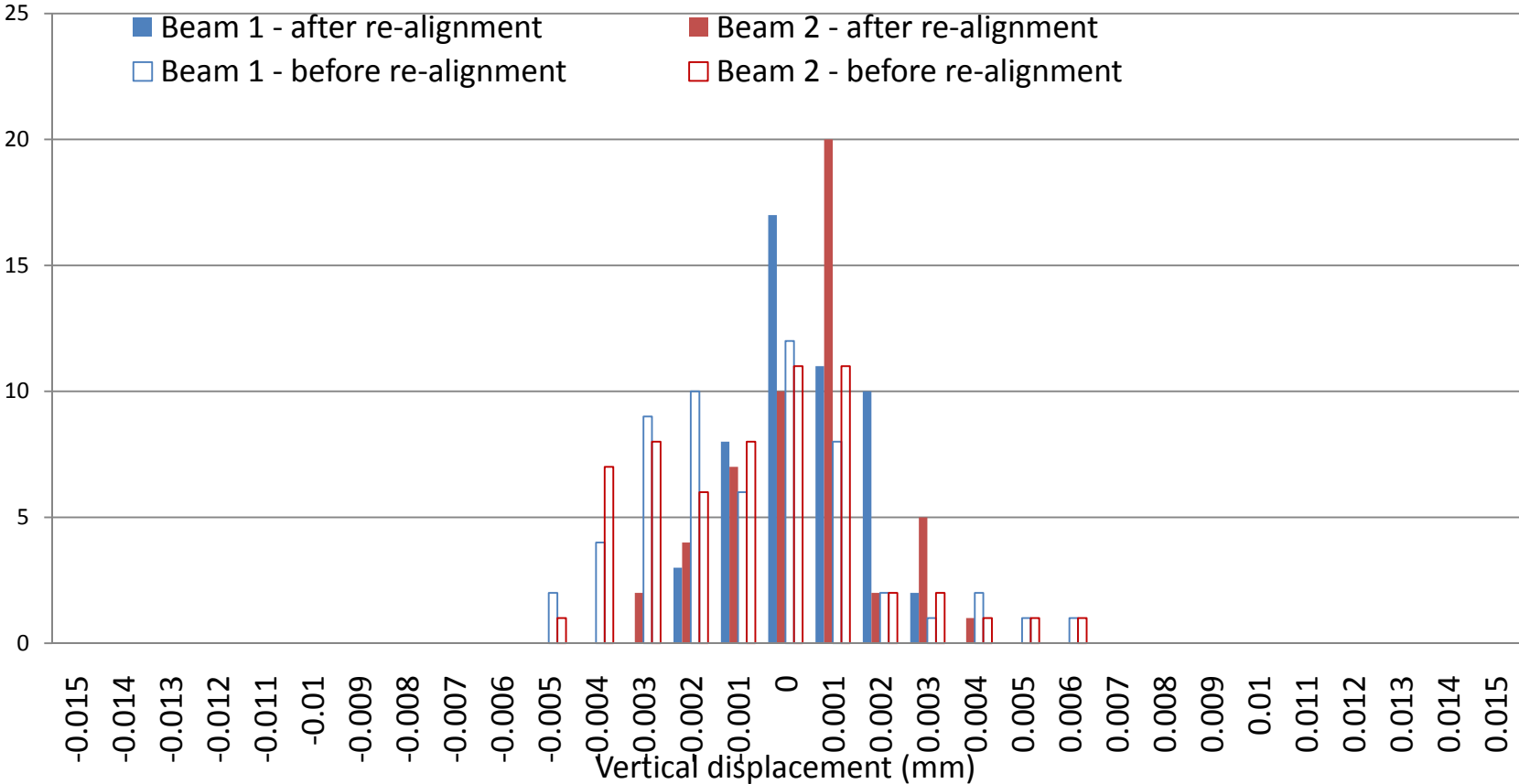


LSS 5 - chambres à vide - contrôle après alignement



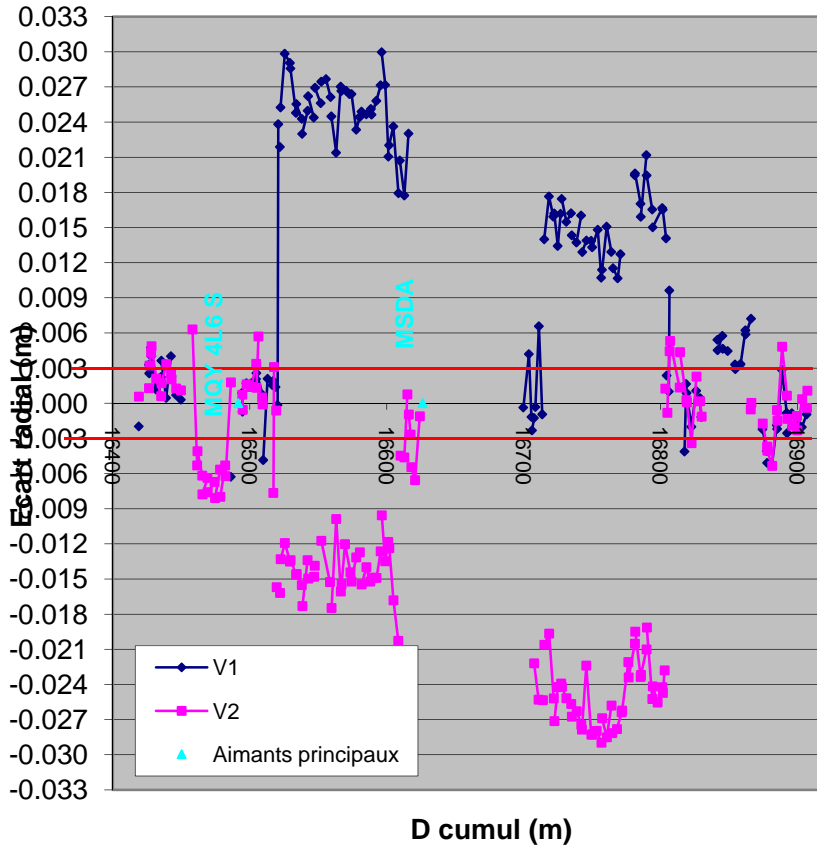
Distribution

LSS5

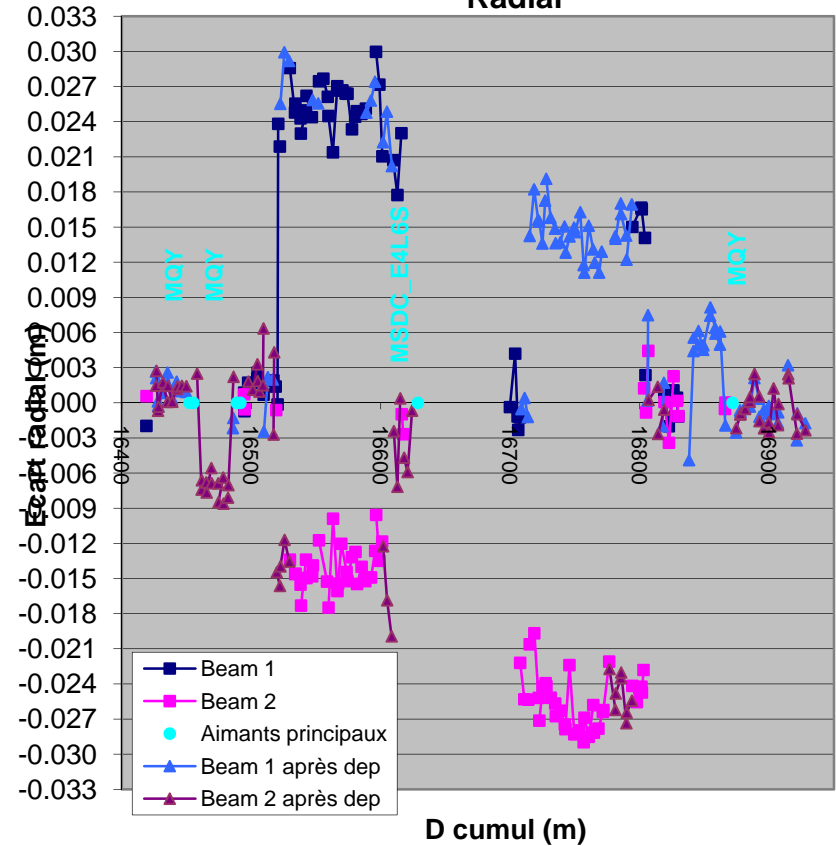


LSS6 - horizontal

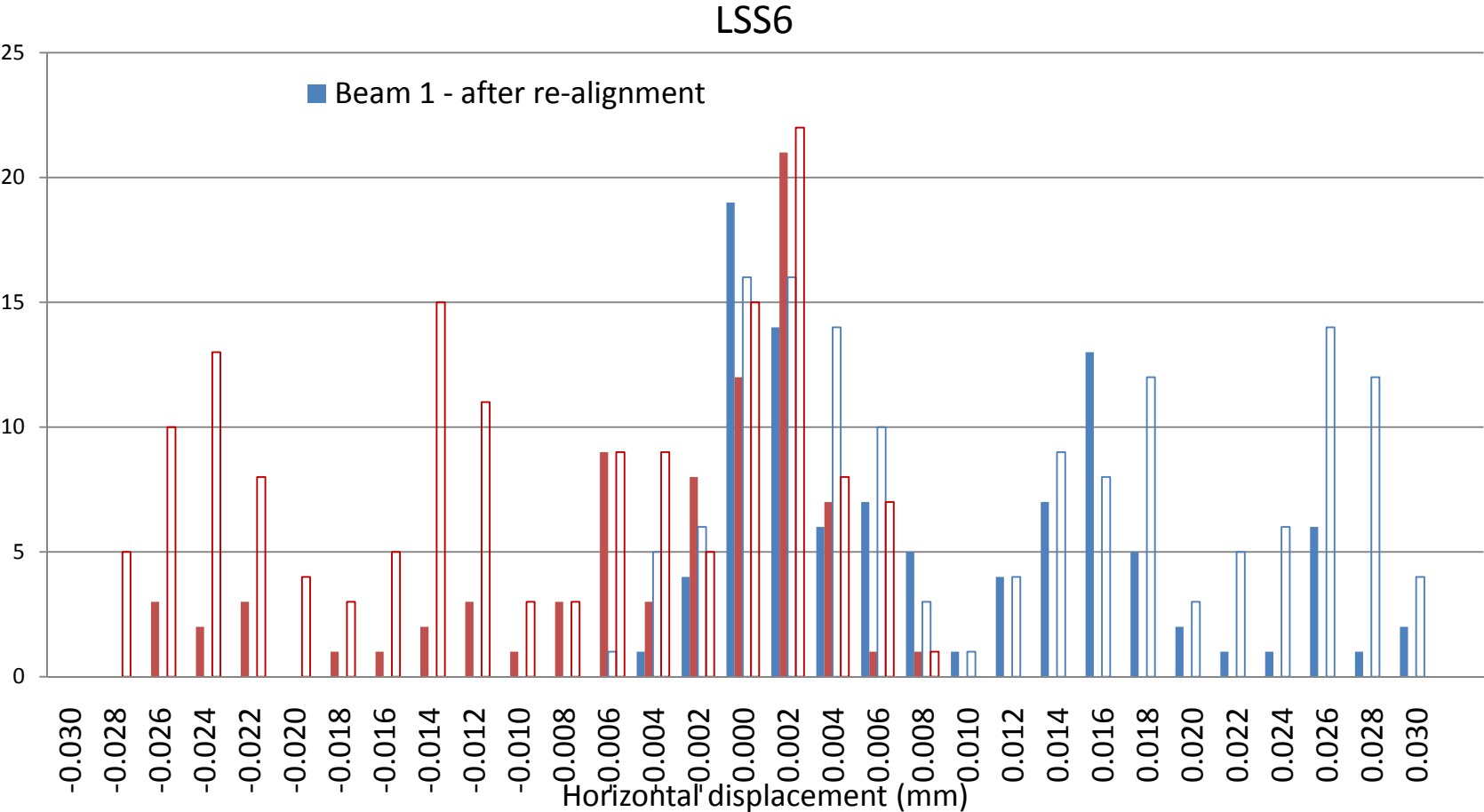
LSS6 - Levé RADIAL des chambres à vide



LSS6 - Chambres à vide après alignements Radial

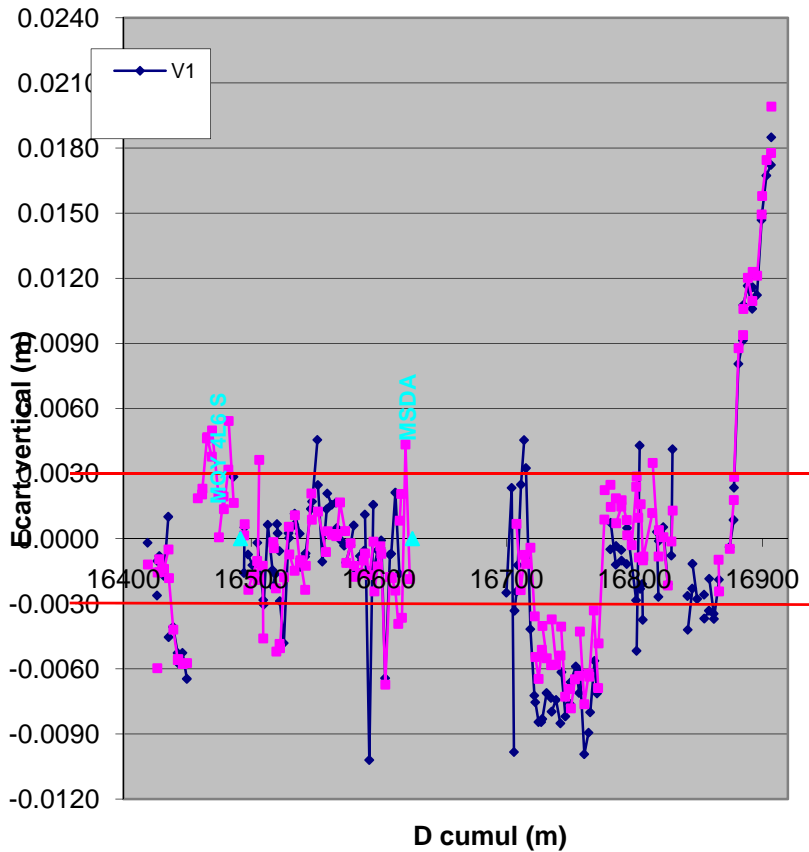


Distribution

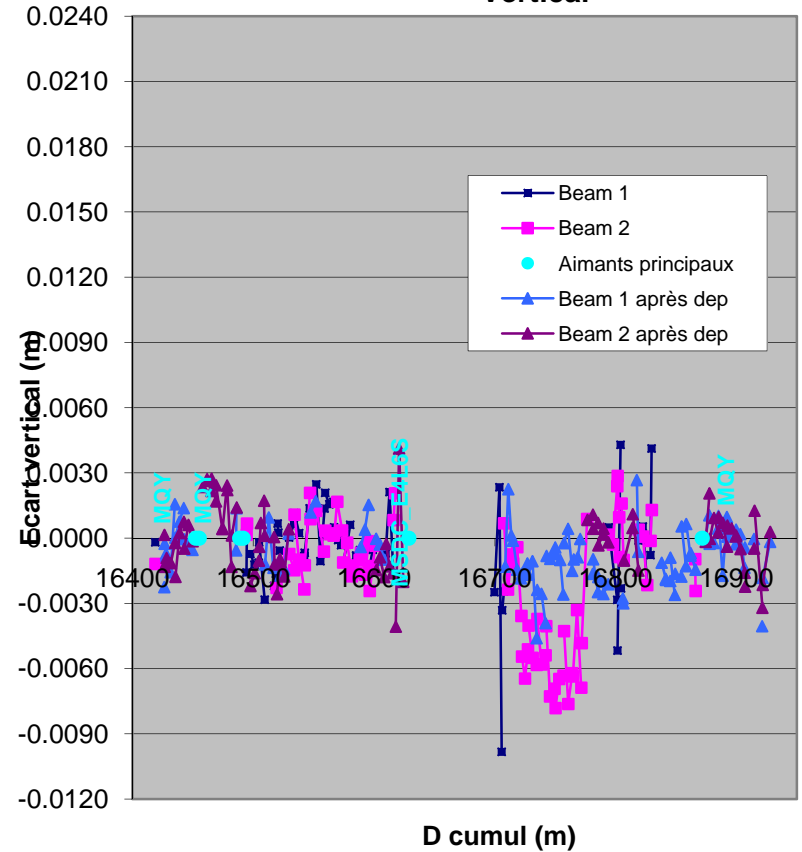


LSS6 - vertical

LSS6 - Levé VERTICAL des chambres à vide

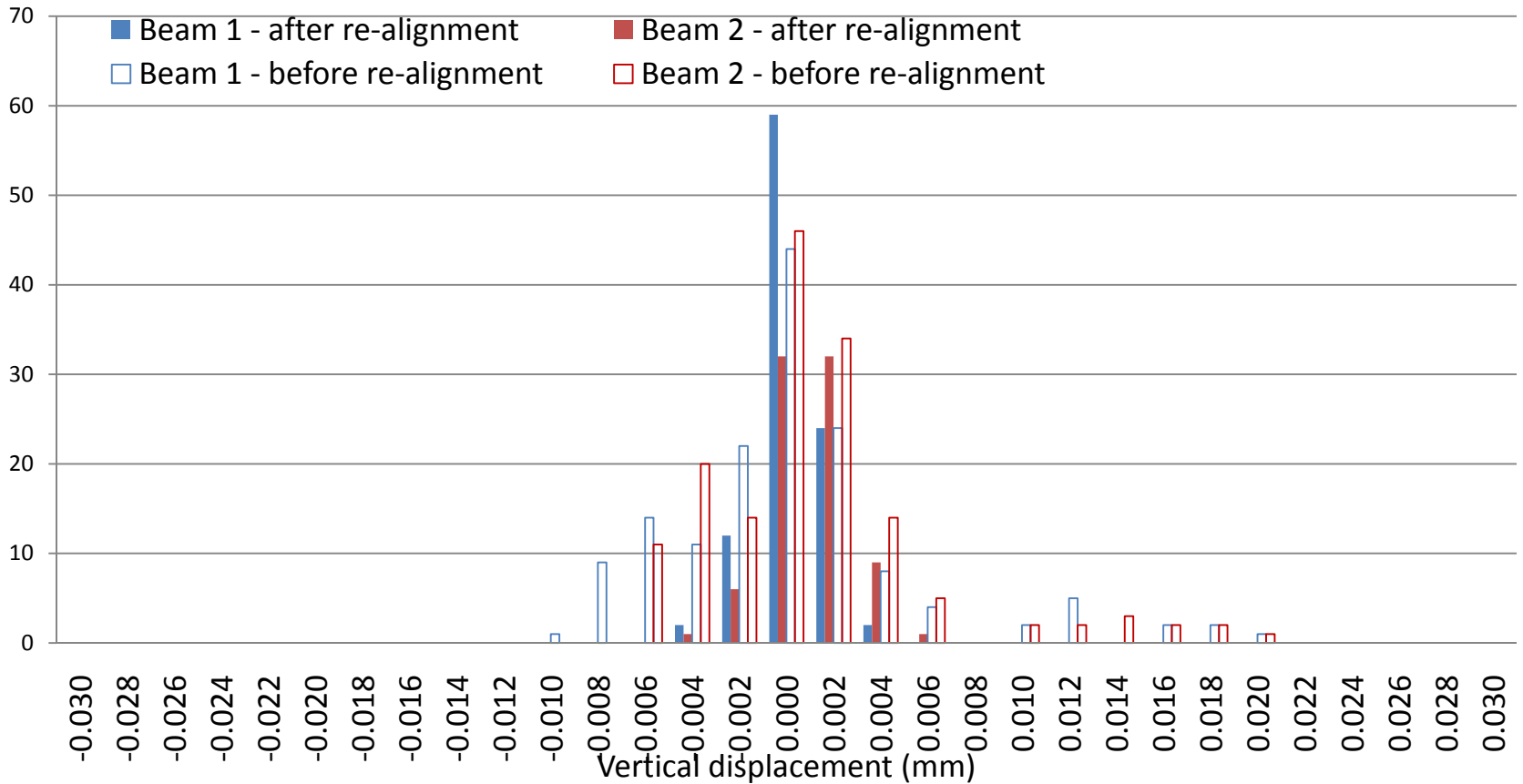


LSS6 - Chambres à vide après alignements Vertical



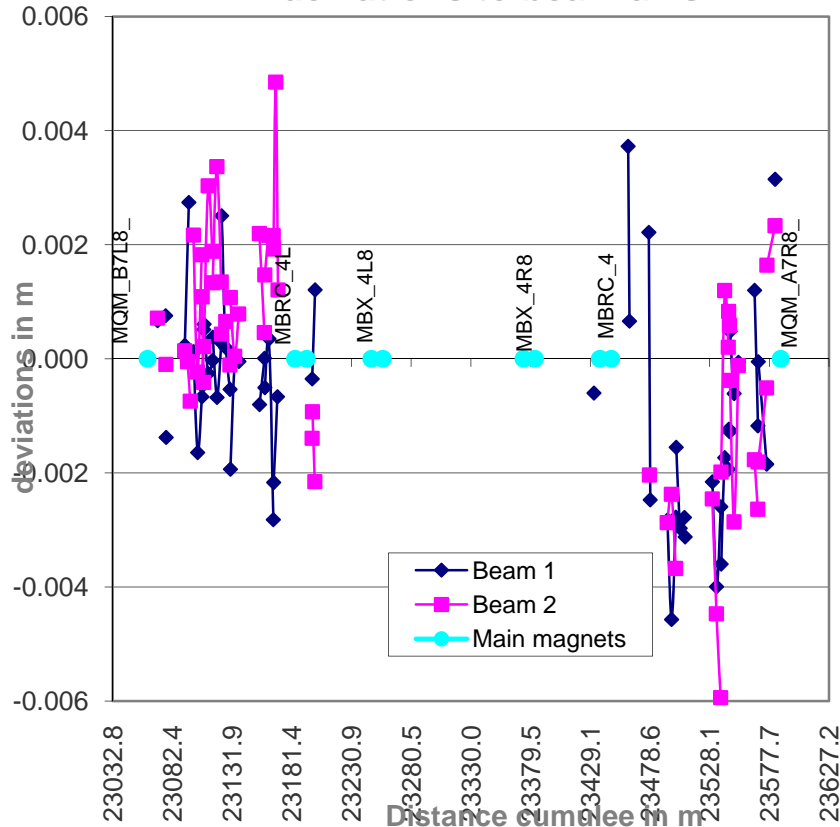
Distribution

LSS6

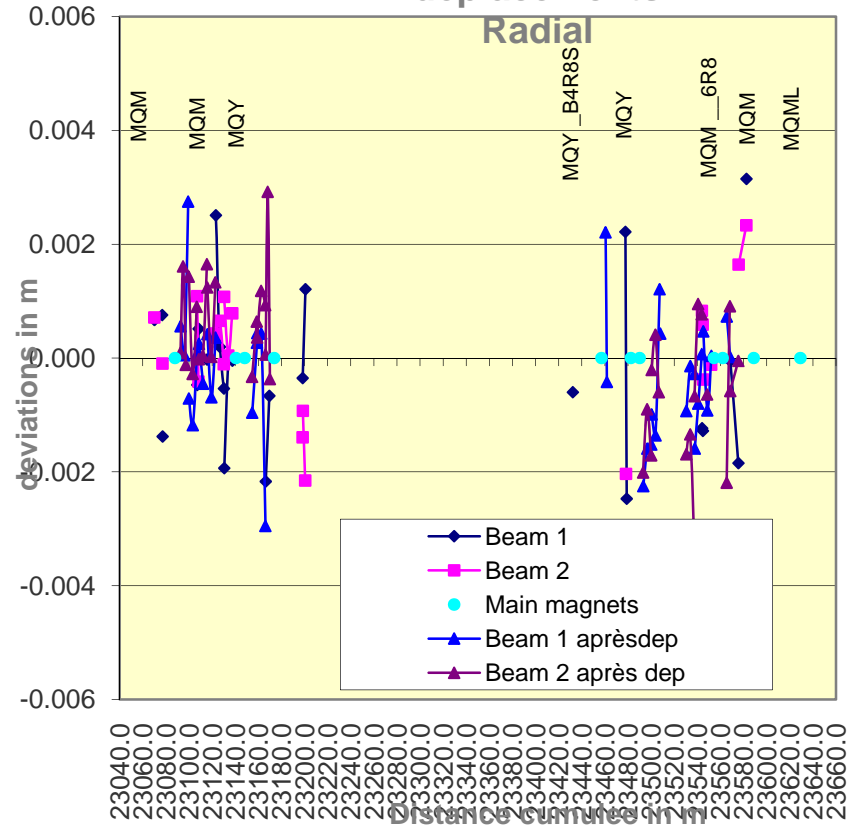


LSS8 - horizontal

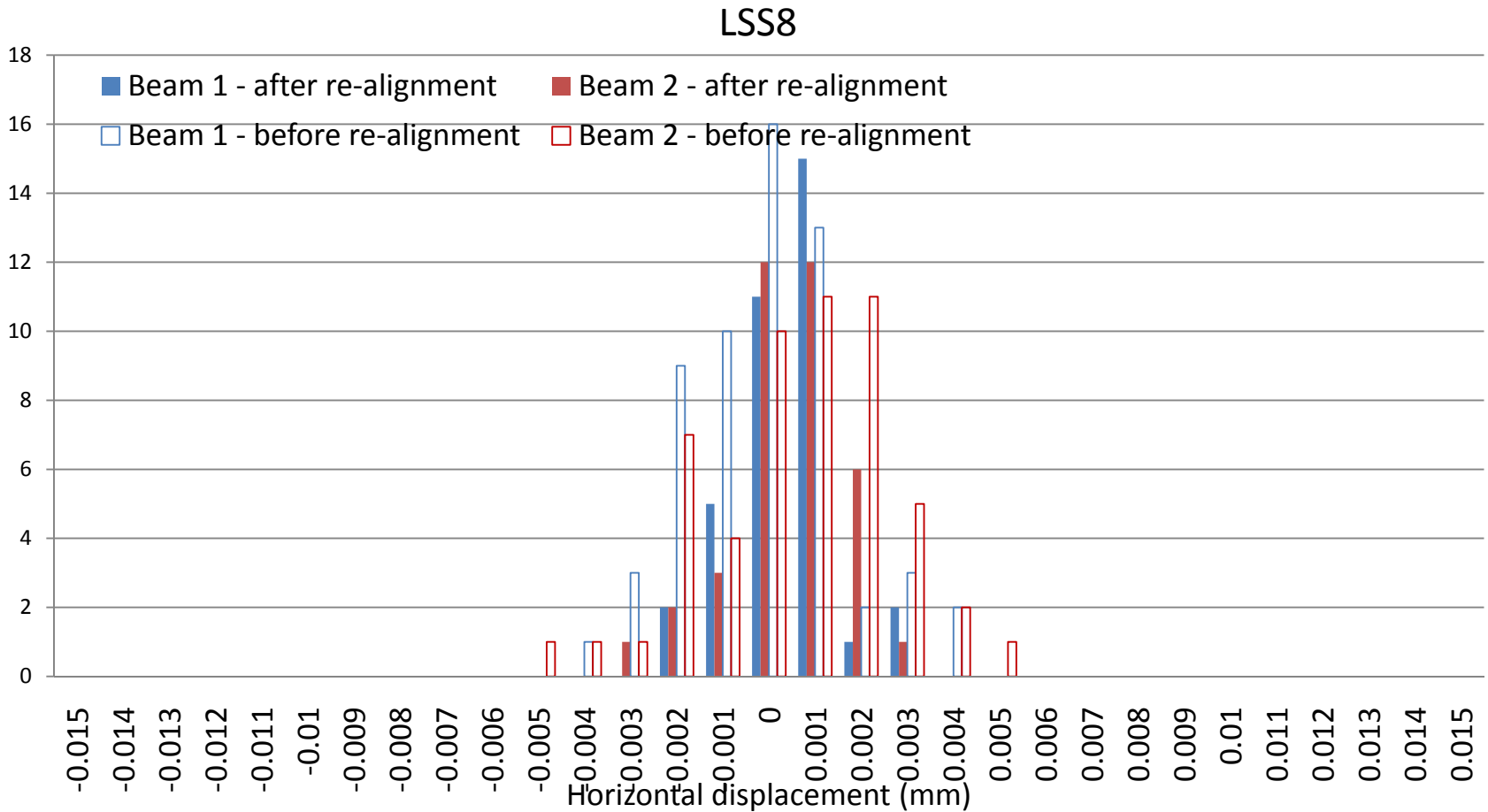
LSS 8 - vacuum chambers - radial deviations to beam axis



LSS 8 - vacuum chambers - Après déplacements

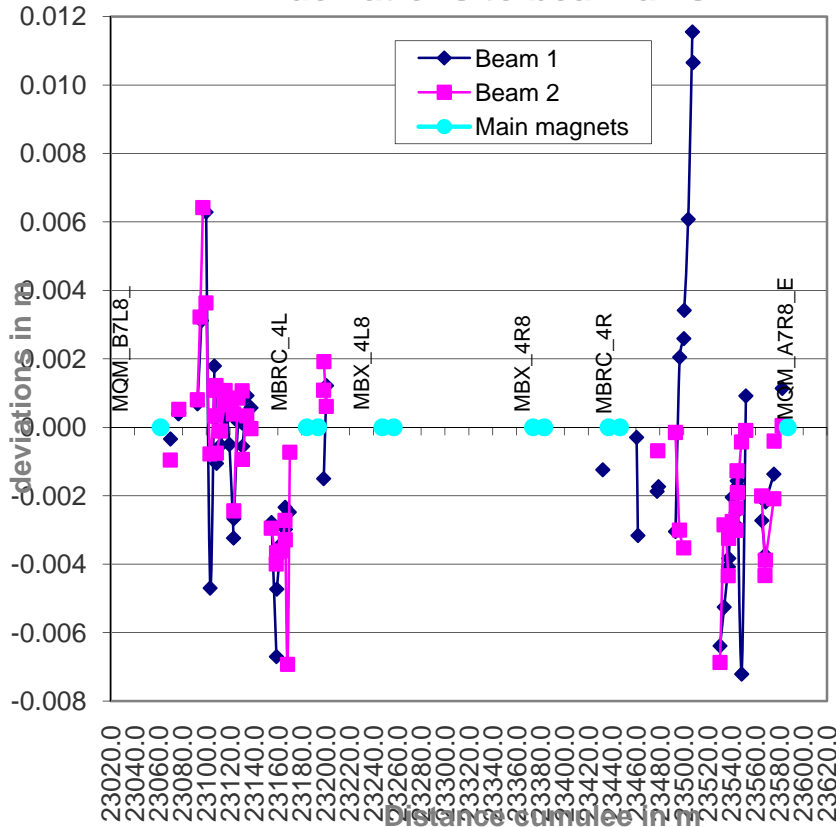


Distribution

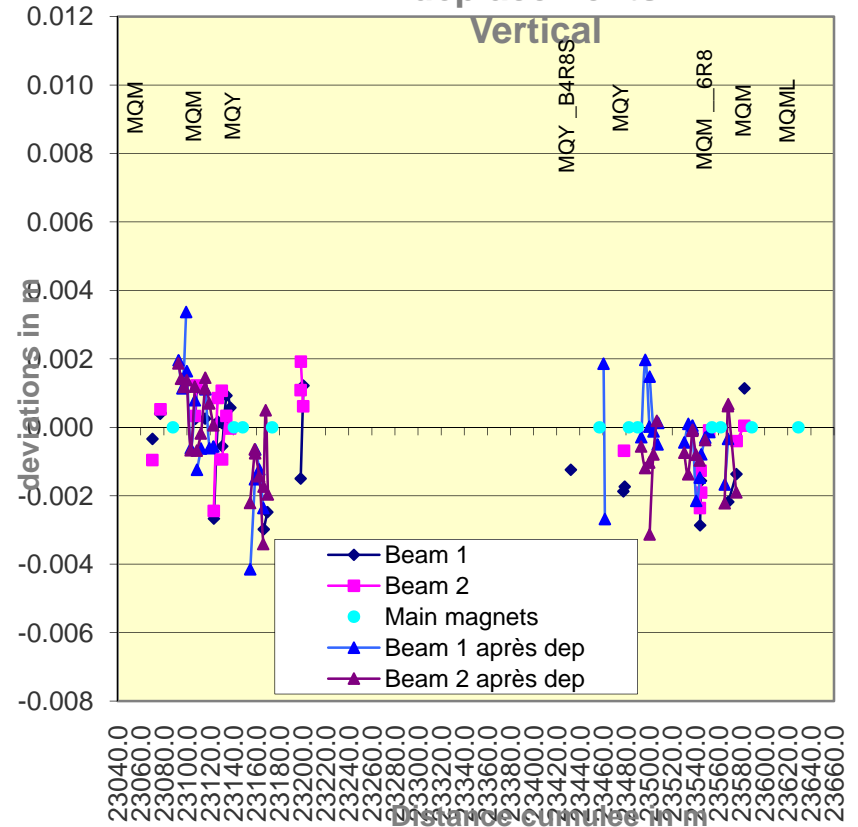


LSS8 - vertical

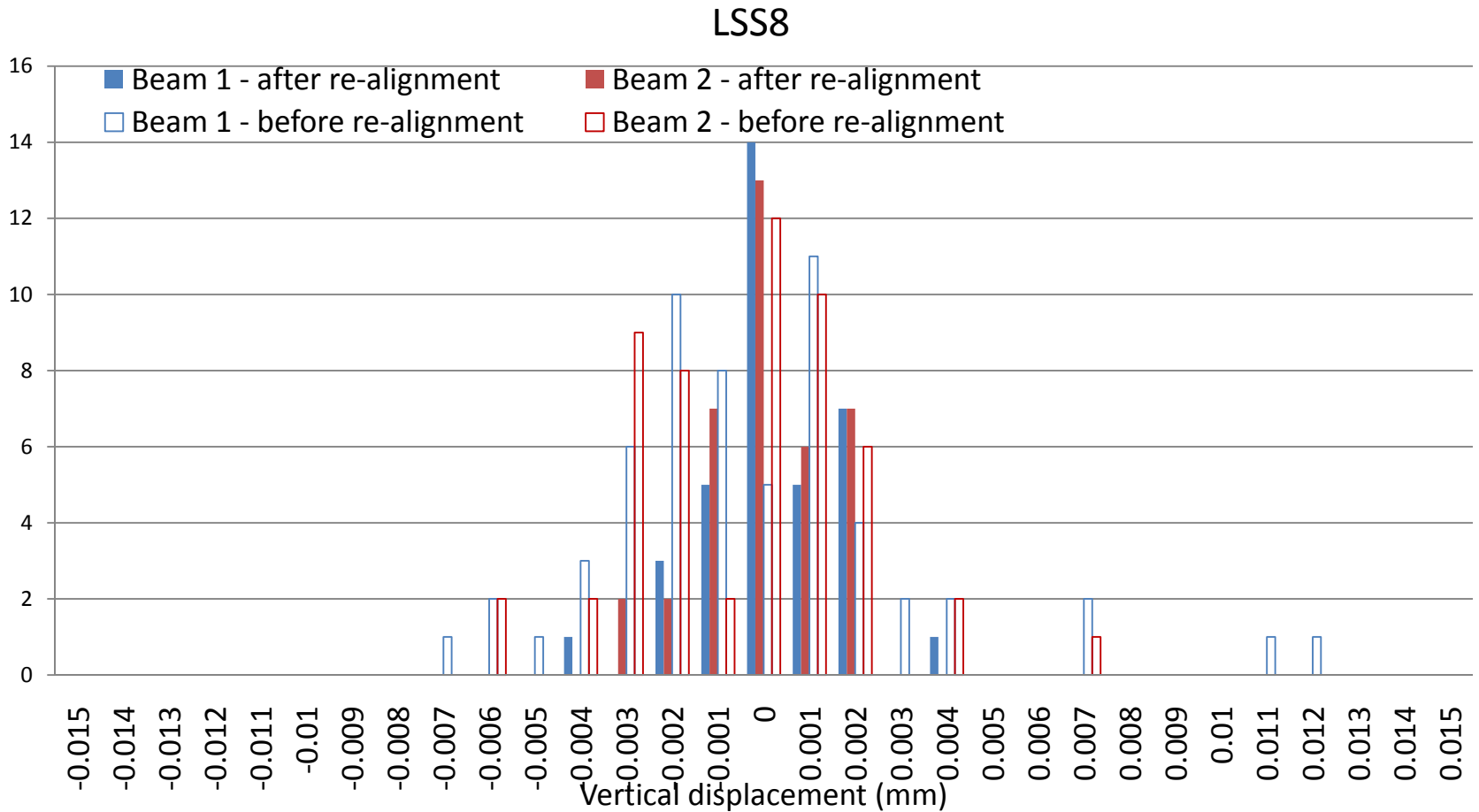
LSS 8 - vacuum chambers - vertical deviations to beam axis



LSS 8 - vacuum chambers - Après déplacements



Distribution



Summary - I

	Horizontal		Vertical	
	Beam 1	Beam 2	Beam 1	Beam 2
LSS1 – before re-alignment	-0.3/2.4	0.1/2.4	0.5/7.9	-0.2/3.8
LSS1 – after re-alignment	0.0/1.5	0.0/1.5	0.2/1.5	0.2/1.2
LSS2	0.0/1.7	-0.2/1.9	1.6/4.1	2.2/4.2
LSS4 – before re-alignment	1.6/1.7	0.7/2.0	0.1/0.8	-0.4/1.2
LSS4 – after re-alignment	0.4/2.0	0.2/1.8	0.1/1.6	0.0/1.7

Summary - II

	Horizontal		Vertical	
	Beam 1	Beam 2	Beam 1	Beam 2
LSS5 – before re-alignment	-2.2/4.2	-2.1/4.2	-1.3/2.4	-1.2/2.4
LSS5 – after re-alignment	-0.2/1.8	-0.7/1.4	0.0/1.2	-0.1/1.5
LSS6 – before re-alignment	11.1/10.8	-10.5/10.7	-0.9/5.3	0.0/5.0
LSS6 – after re-alignment	8.1/9.1	-5.0/8.5	-0.8/1.3	0.0/1.5
LSS8 – after re-alignment	-0.3/1.1	0.0/1.2	-0.3/1.5	-0.5/1.3