

# Magnet

2020.Jan.20

kwpark

# Magnet status

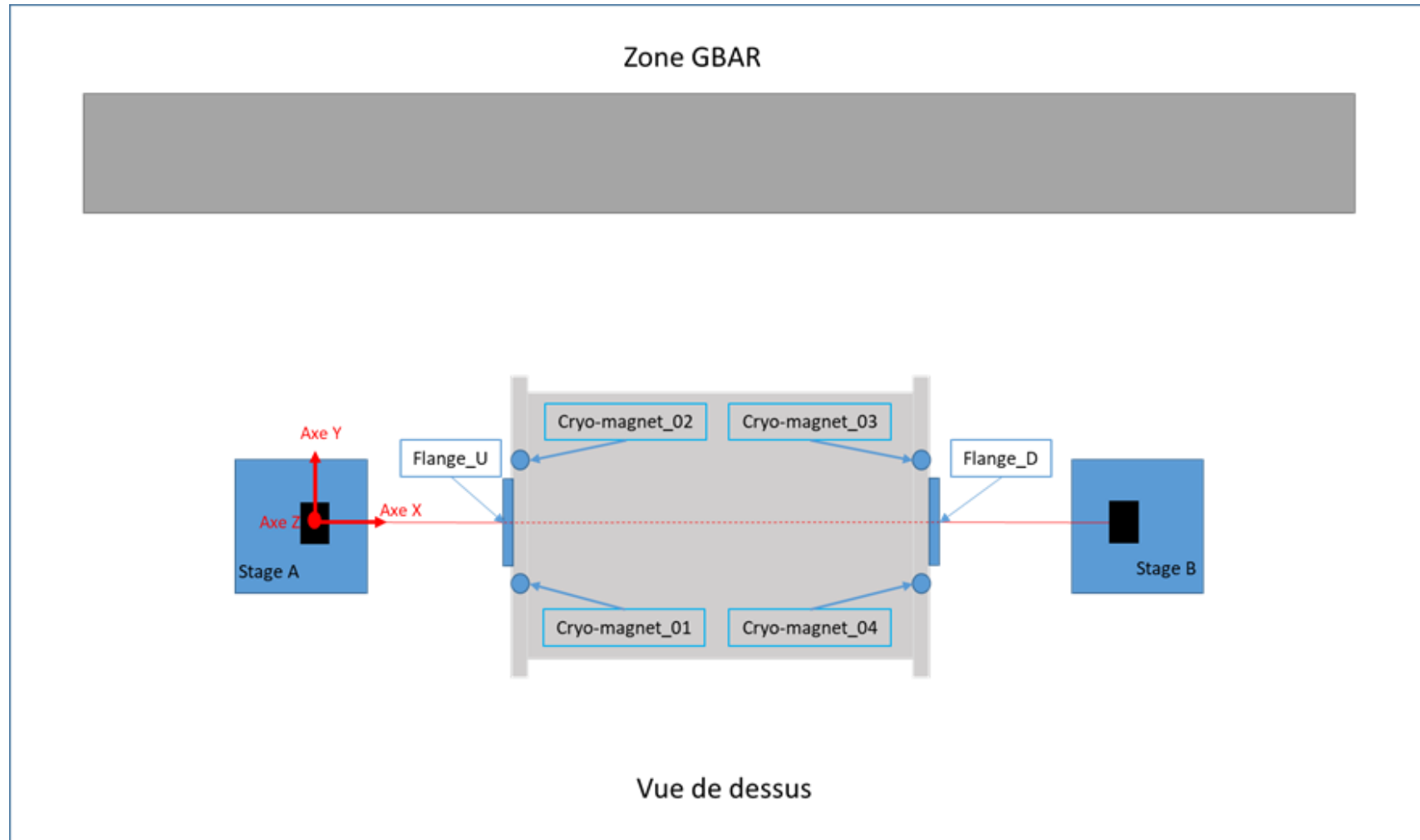
- No current
- Field < 10 mT
- LHe: 86.4 %      LN2: 80 %
- LHe Dewar + LN2 Dewar (20 %)

# Magnetic axis measurement

- Axis is constant about field strength or shimming
- Magnetic axis is not geometrical axis

Fiducialisation	Flange name	Horizontal	Vertical
		Y mm	Z mm
7 tesla W shim.	Centre_Flange_U	0.00	0.00
	Centre_Flange_D	0.00	0.00
7 tesla W / O shim.	Centre_Flange_U	0.03	-0.06
	Centre_Flange_D	0.01	0.05
5 tesla W / O shim.	Centre_Flange_U	0.04	-0.07
	Centre_Flange_D	0.04	0.02
5 tesla W shim.	Centre_Flange_U	0.04	-0.06
	Centre_Flange_D	0.05	0.02
3 tesla W shim.	Centre_Flange_U	0.00	-0.04
	Centre_Flange_D	0.00	0.03
3 tesla W / O shim.	Centre_Flange_U	0.04	-0.04
	Centre_Flange_D	0.00	0.05

# Magnetic axis measurement



A - side

B - side

(mm)

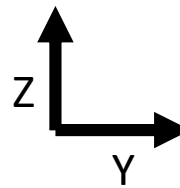
center

-0.88,-0.4

center

-1.1,1.3

GBAR  
ZONE



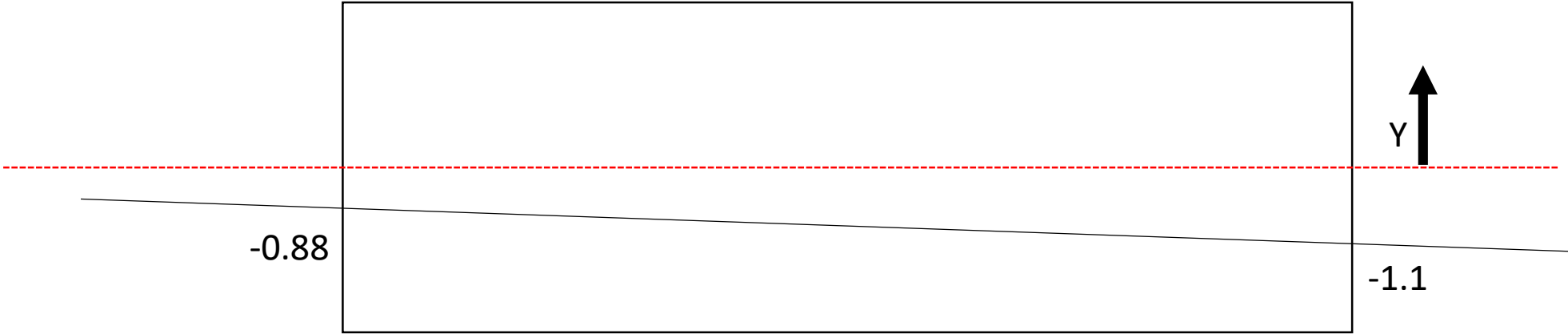
FLOOR

GBAR ZONE

A - side

B - side

(mm)



\*Not in scale

# Field homogeneity measurement

- The measurement sensor will be ready for the end of this week.
- The Aluminum tube ready
- Meeting with MM team right after this meeting

# Control system

- Driver issue (Win 7 → Win 10 )