

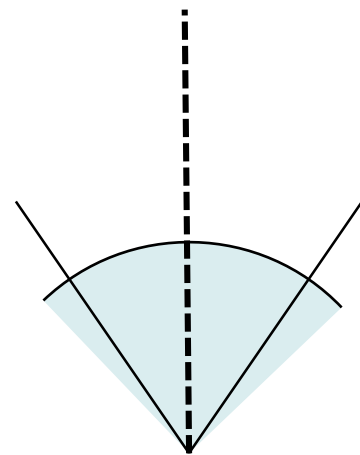
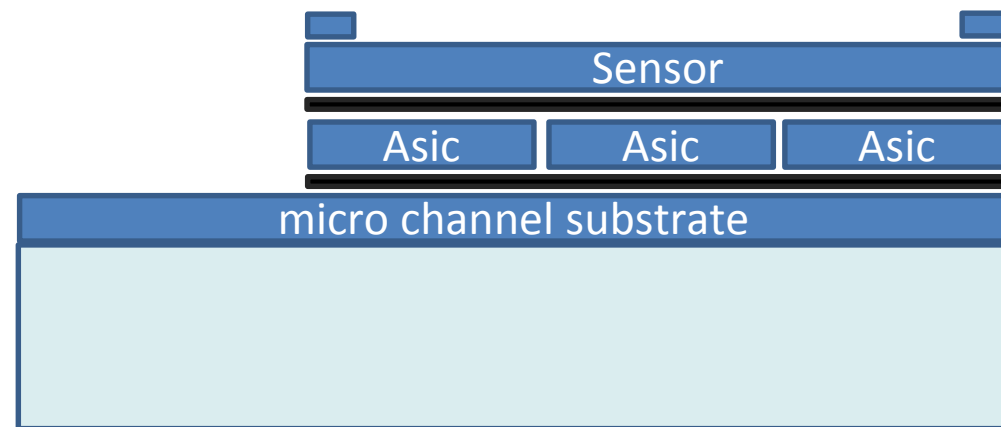


# Preliminary High Speed Camera Visualizations on VELO's "Snake2"

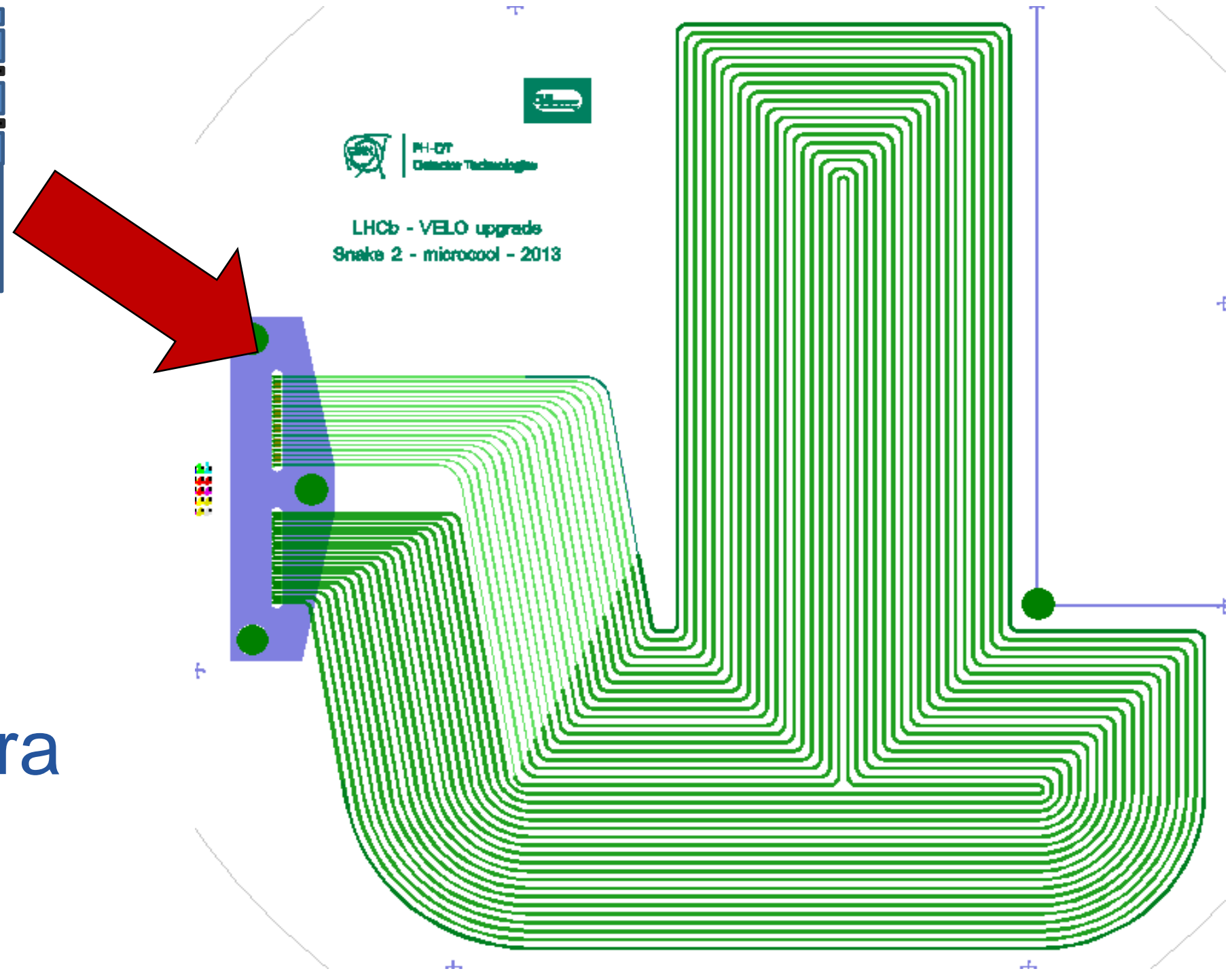
LHCb CO2 cooling meeting  
Nov 20<sup>th</sup>, 2015

Paolo Petagna

# VELO High Speed Camera Test Oct 15<sup>th</sup>

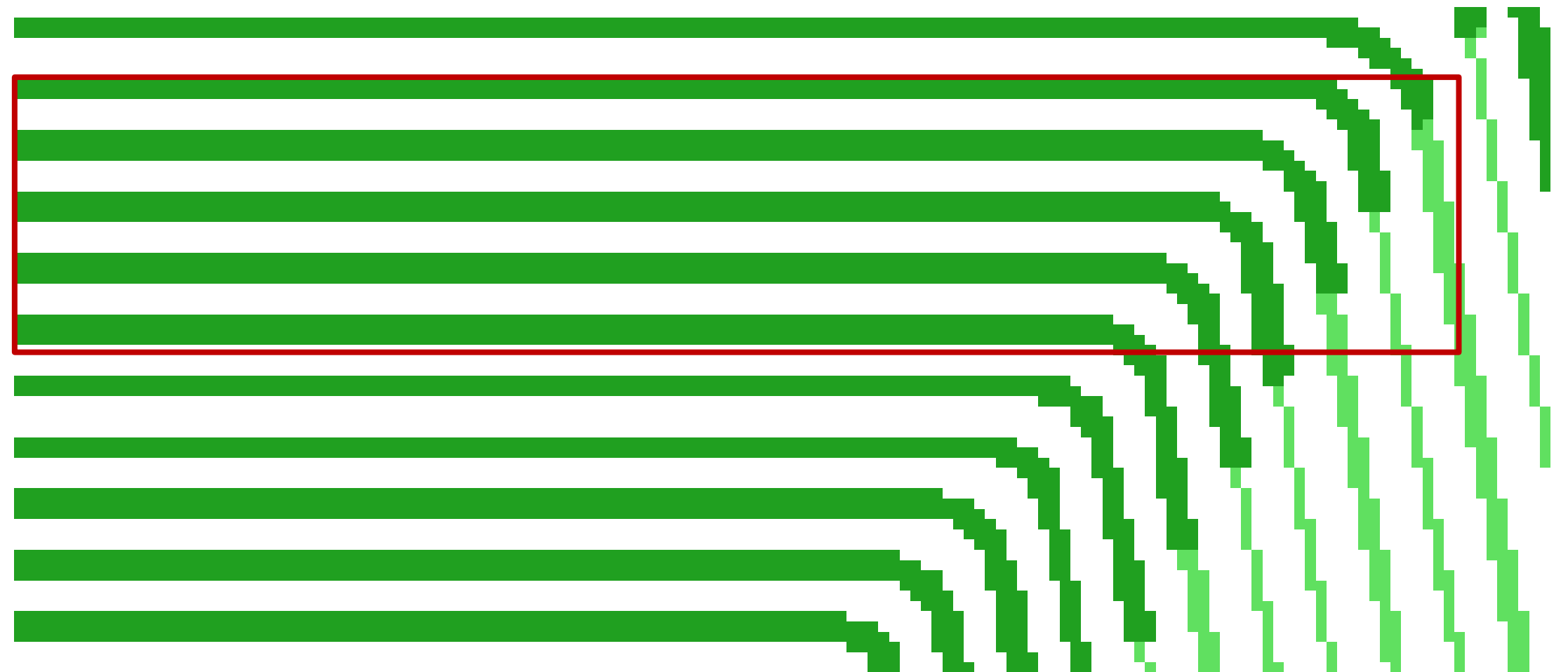
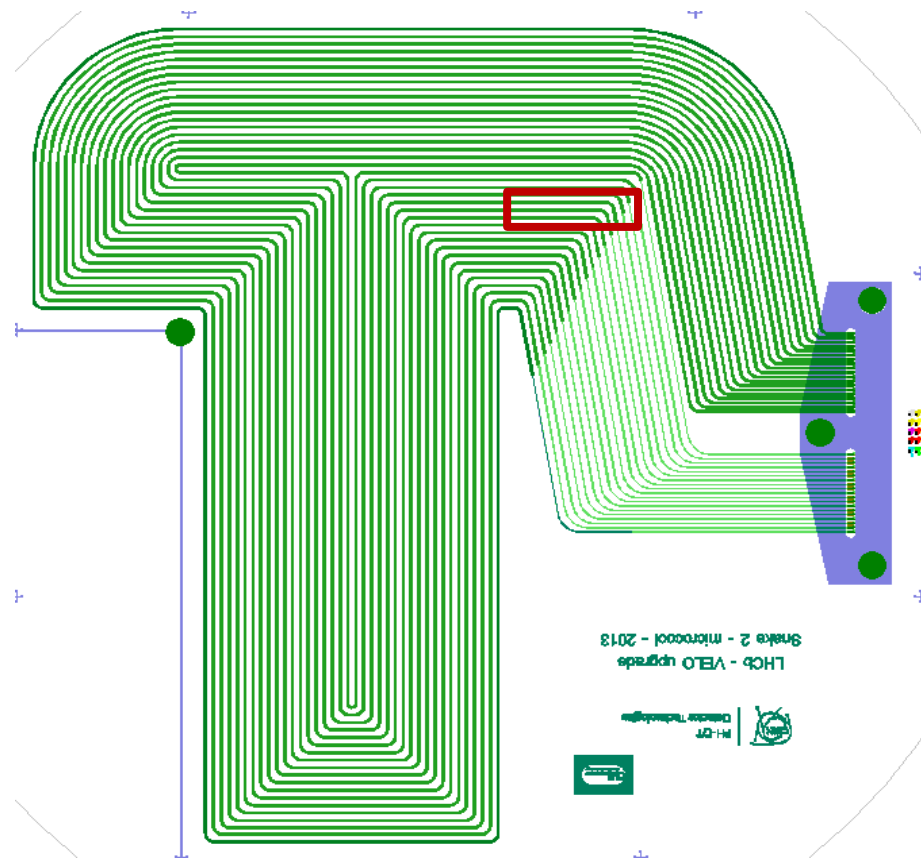


High Speed Camera



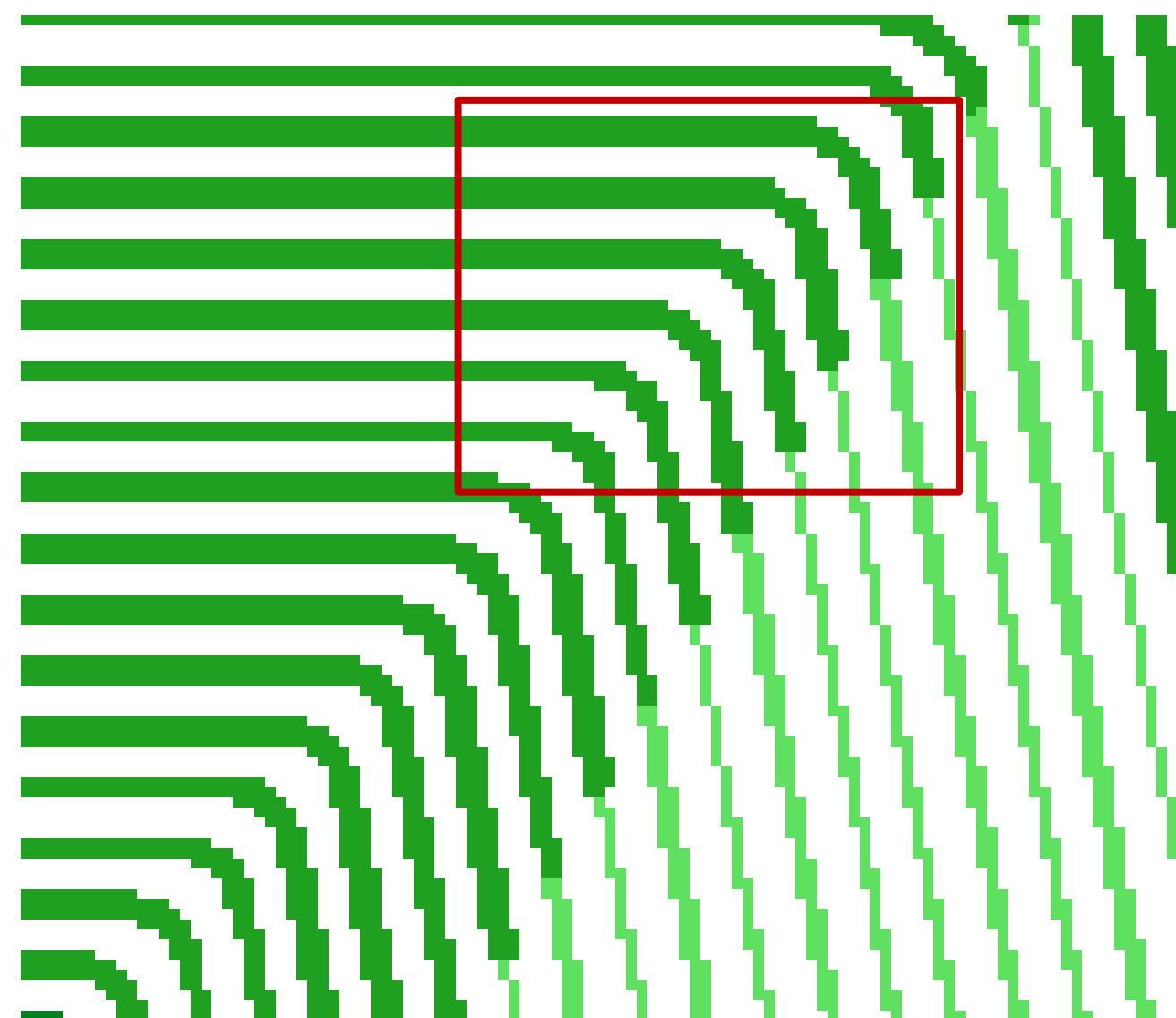
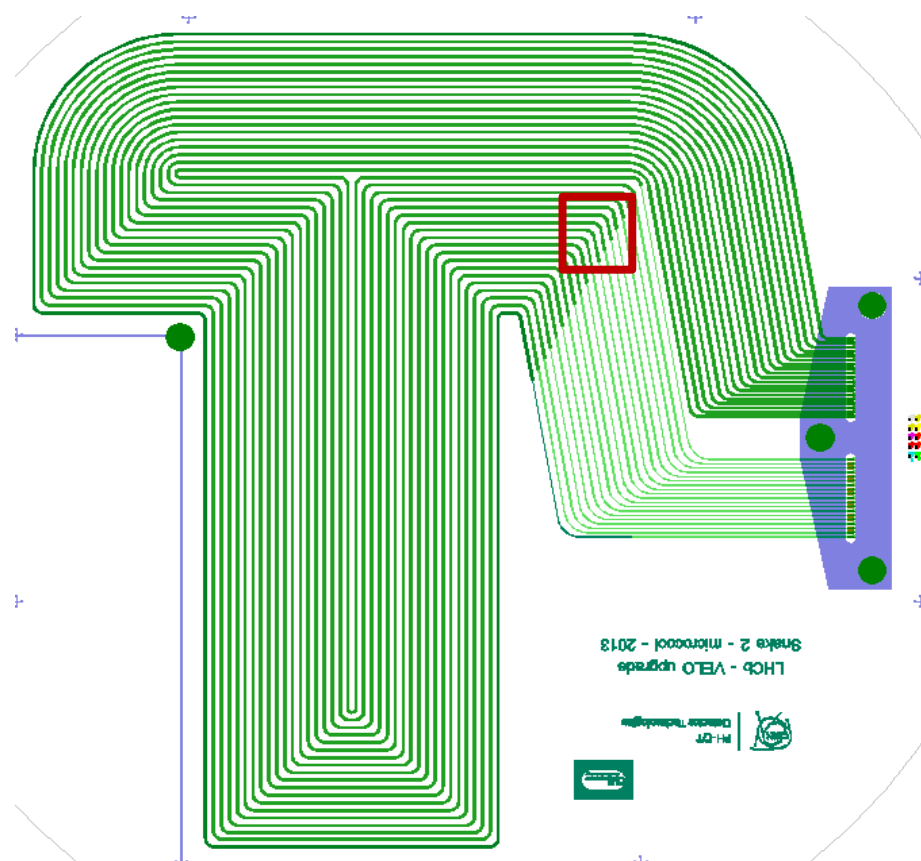
“Snake2”

# Example of elongated channel image



File: "1-Long region of interest with UX"

# Zoom on the effect of the channel bend



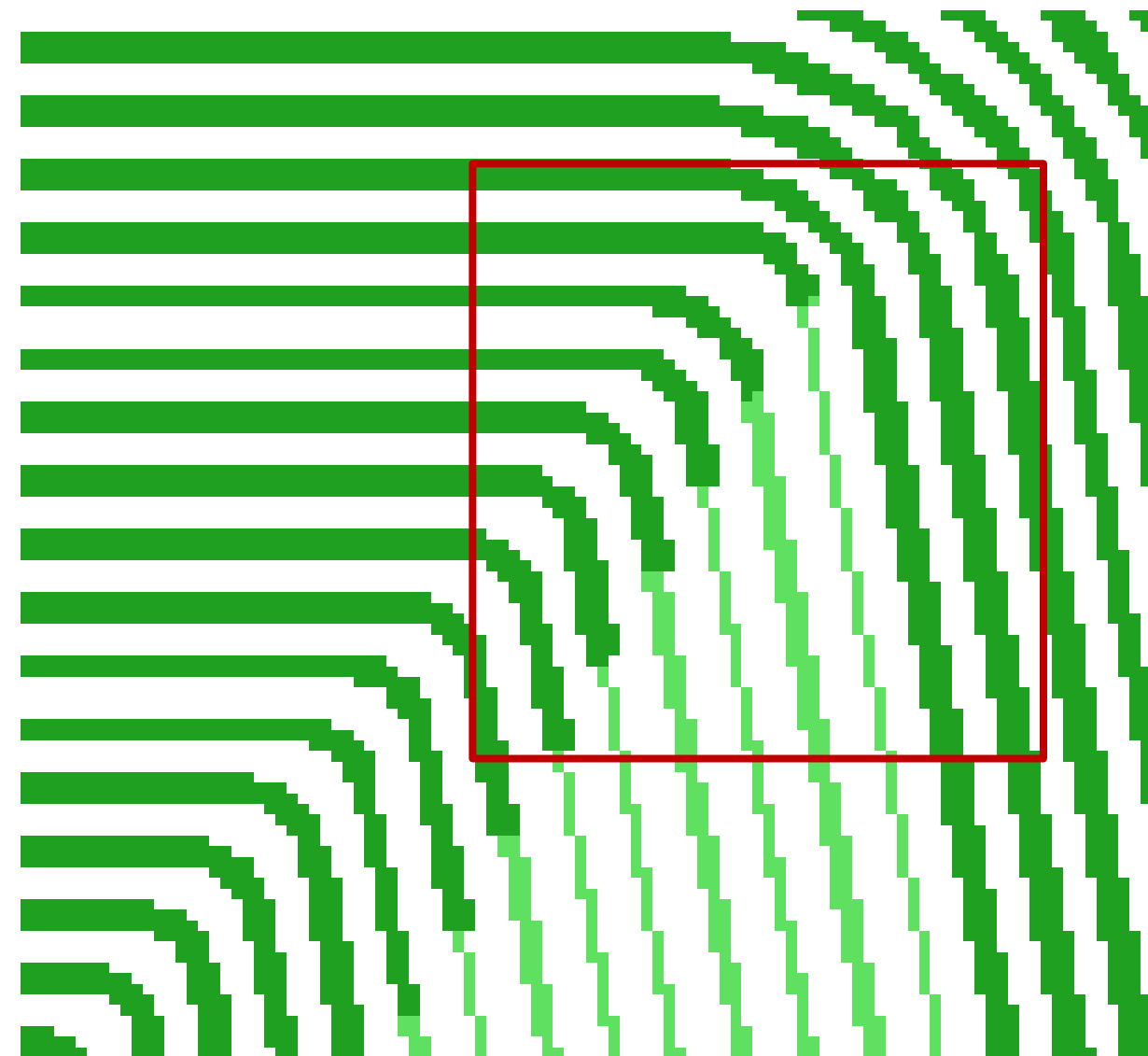
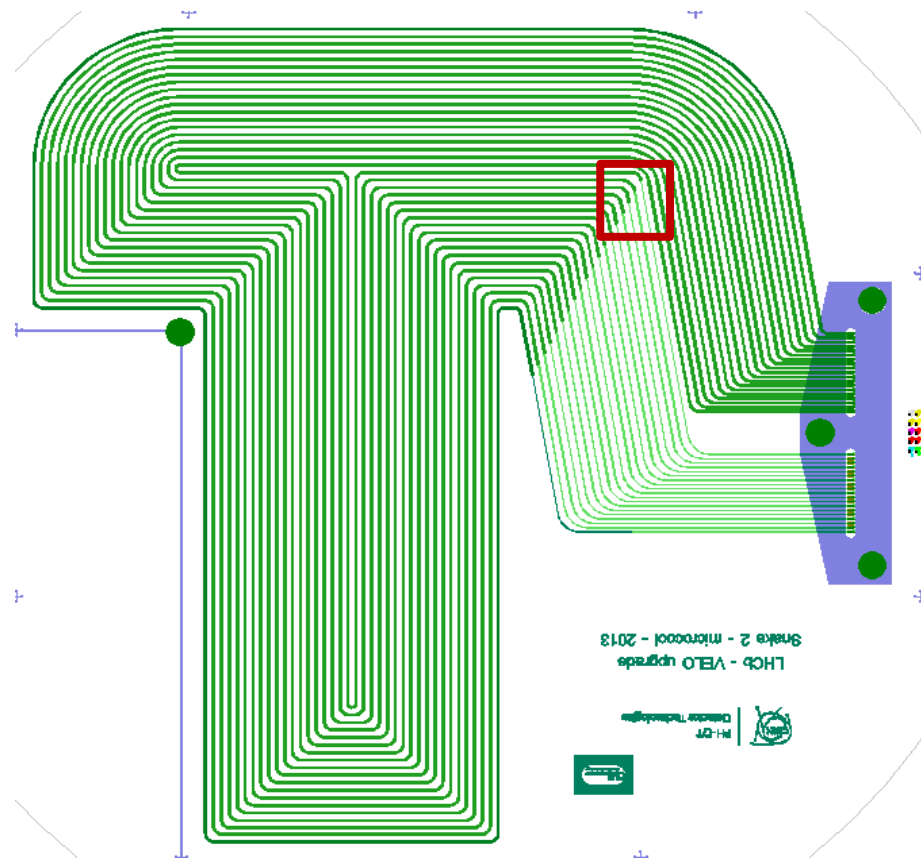
File: "2-Entrance+curve"

File: "3-Curve detail with UX"

File: "4-Curve detail 112kfps"



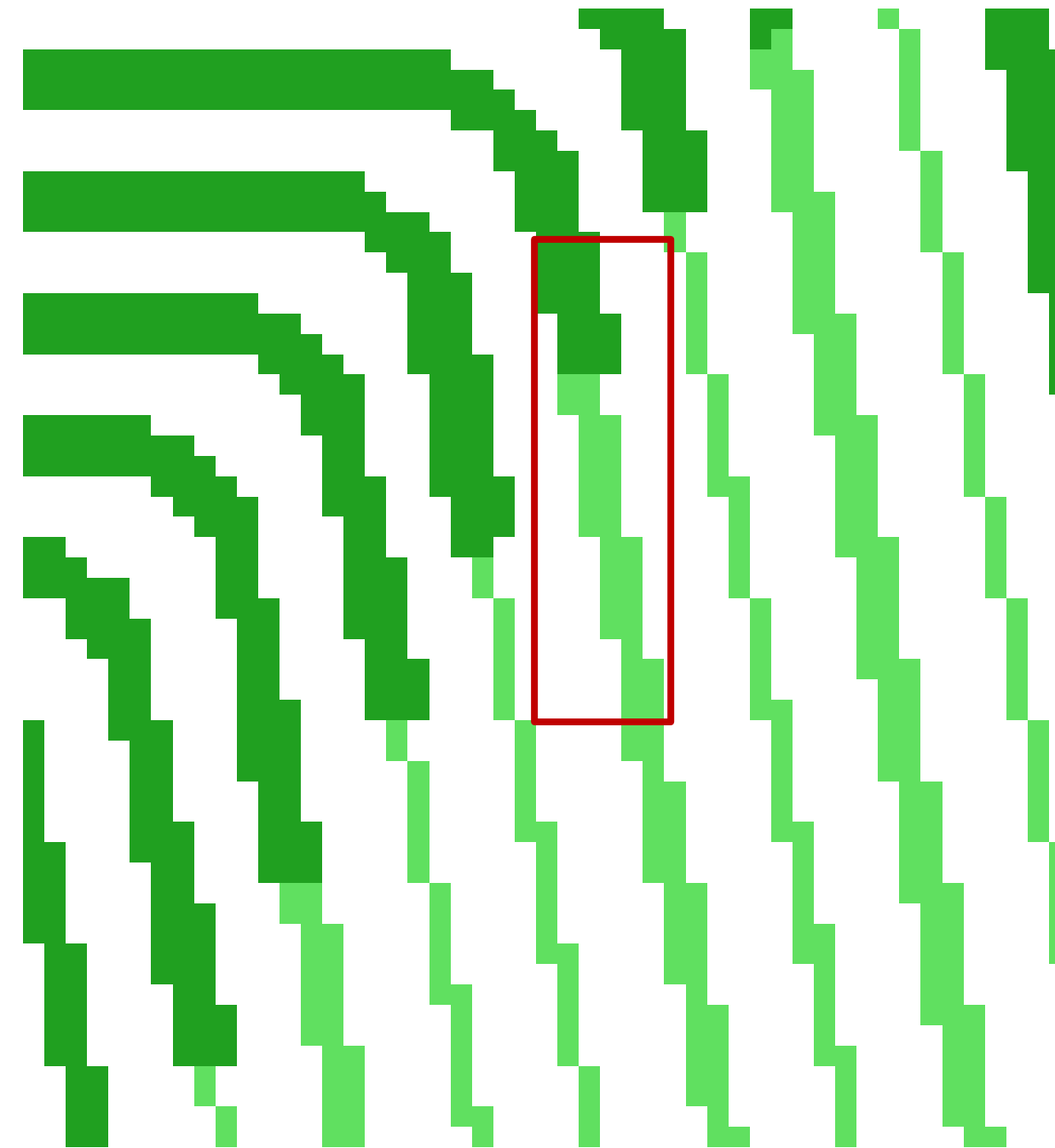
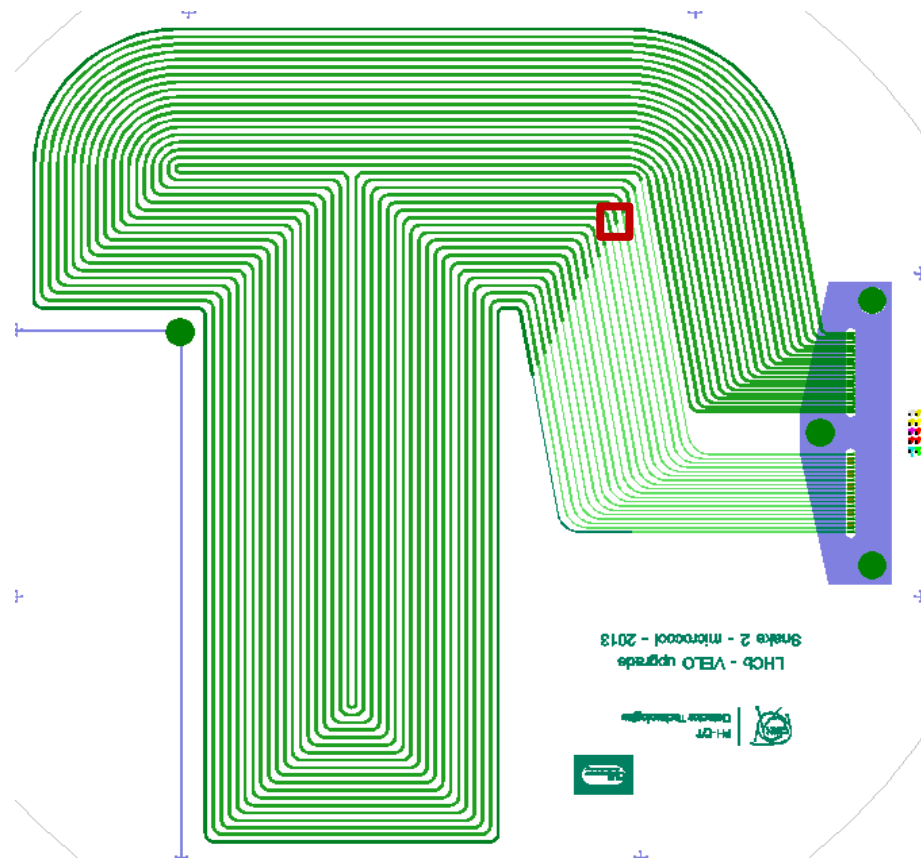
# Variation in flow regime at the exit



File: "5-Curve detail entry&exit bubbly"

File: "6-Curve detail entry&exit elongated slug"

# Effect of pre-heater

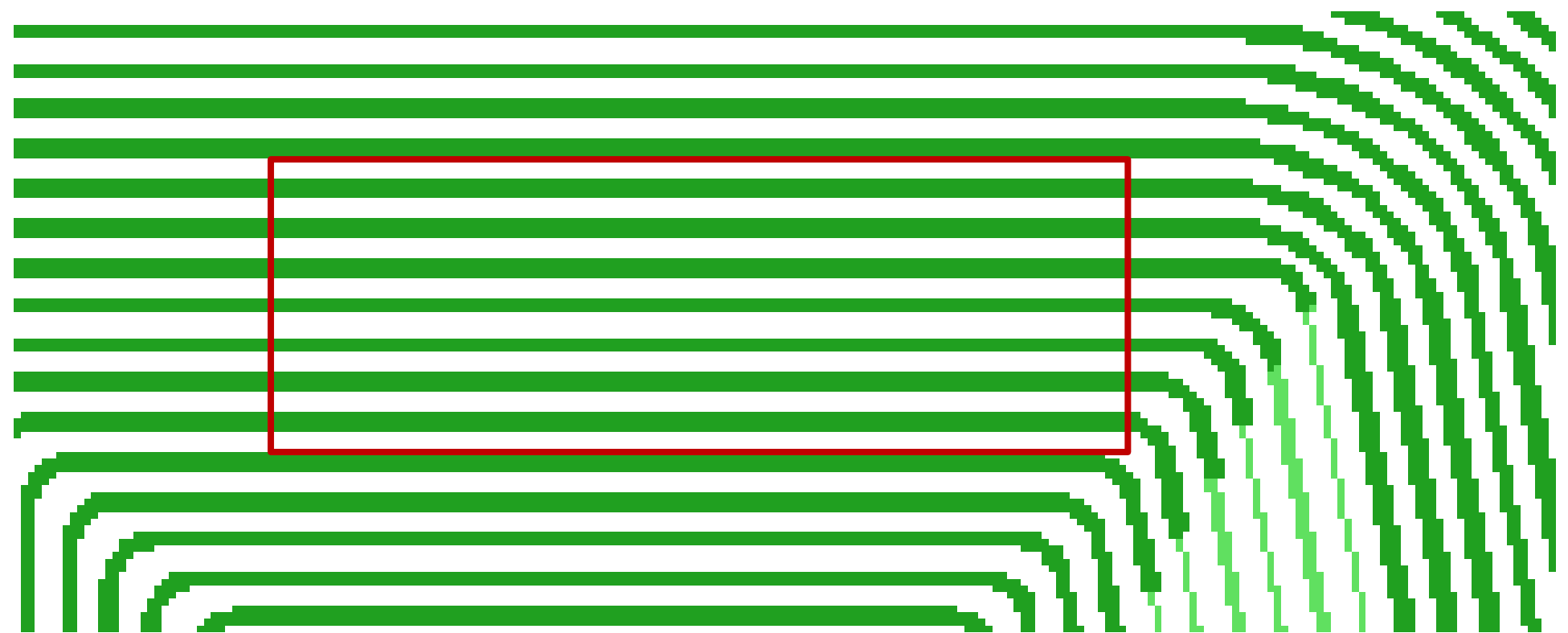
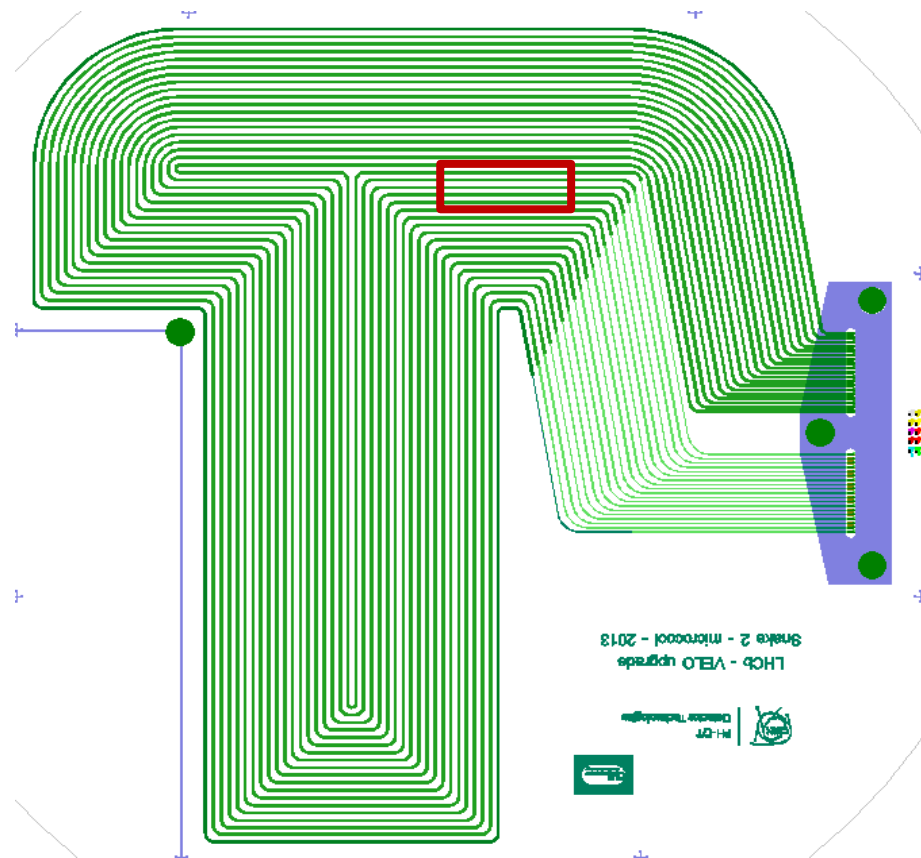


File: "7-Entry detail NO PREHEAT"

File: "8-Entry detail PREHEAT"



# General view **INSIDE** the vacuum vessel



File: "9-Forth&Back behind glass"