

CERN test beam schedule (November 2025)

DRD1 H4(PPE134) 2025 Test Beam

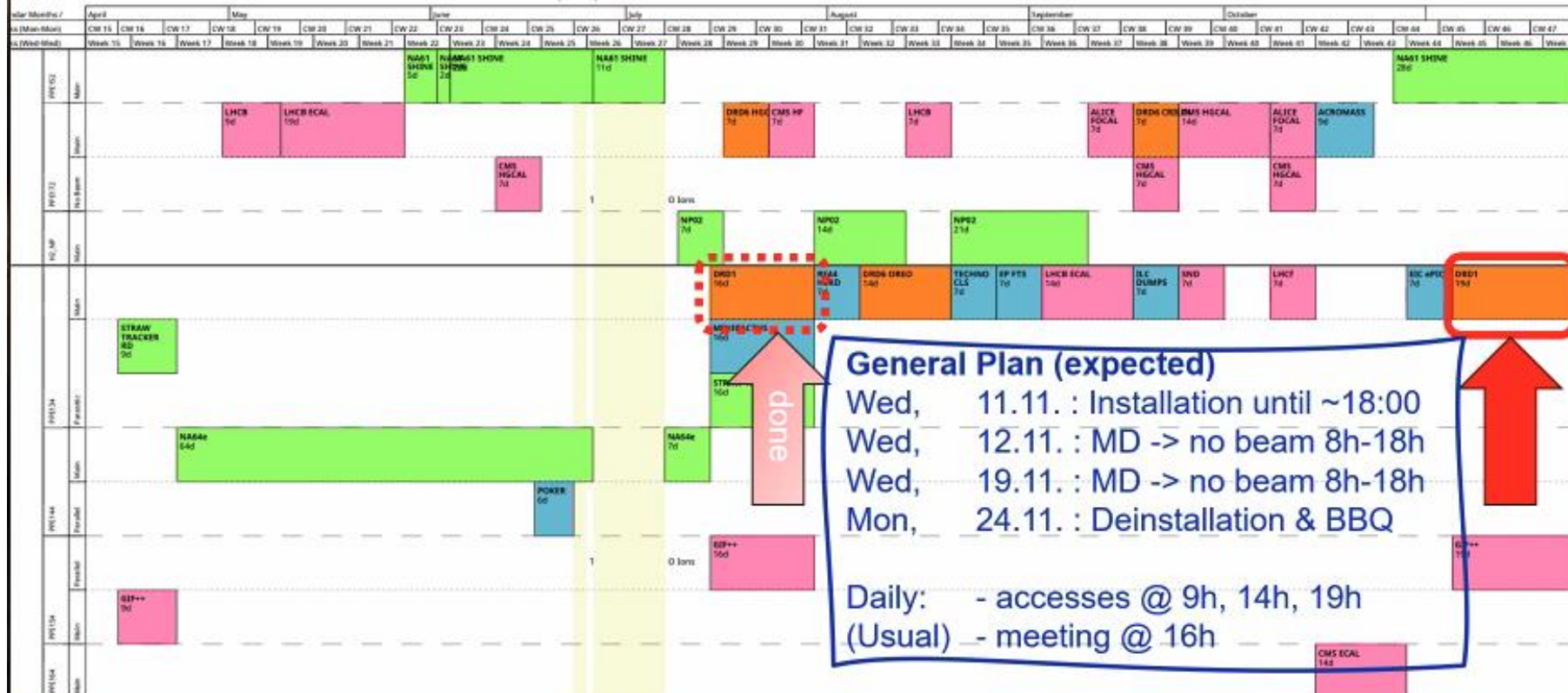
Wed. 05/11/2025 – Mon. 24/11/2025

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(Eraldo)

Schedule Runs SPS H2, H4 1.2.1 :: Status 2025-06-16 19:03 (UTC)



General Plan (expected)

Wed, 11.11. : Installation until ~18:00
Wed, 12.11. : MD -> no beam 8h-18h
Wed, 19.11. : MD -> no beam 8h-18h
Mon, 24.11. : Deinstallation & BBQ

Daily: - accesses @ 9h, 14h, 19h
(Usual) - meeting @ 16h

<https://ps-sps-coordination.web.cern.ch/ps-sps-coordination/>



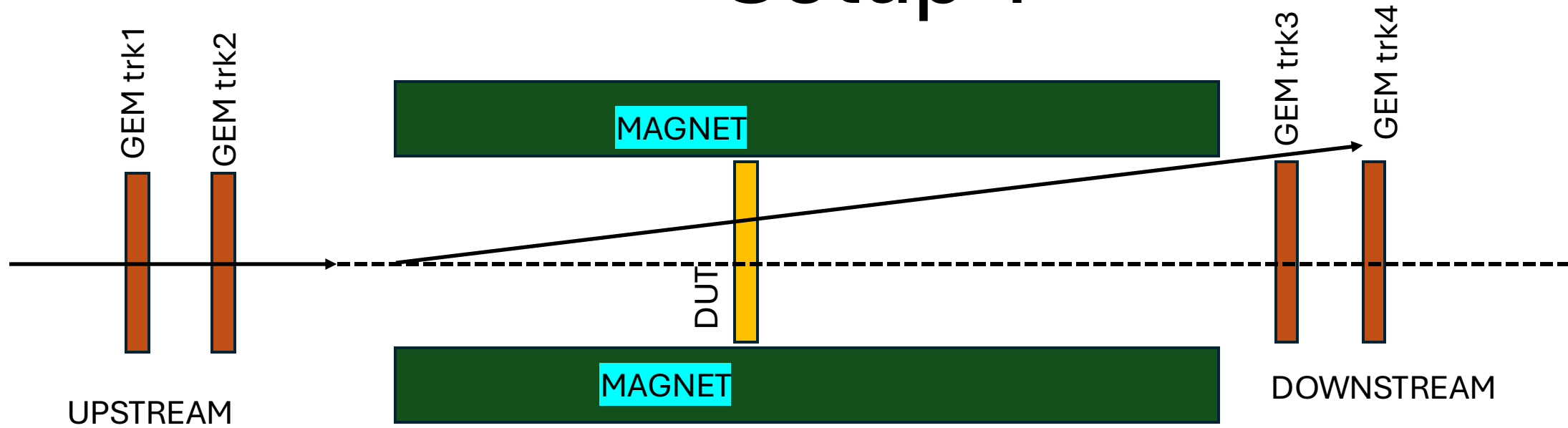
DRD1

9/18/2025

Karl Jonathan Flöthner: +41754110839, Yorgos Tsipolitis: +41754118992 (, Eraldo)

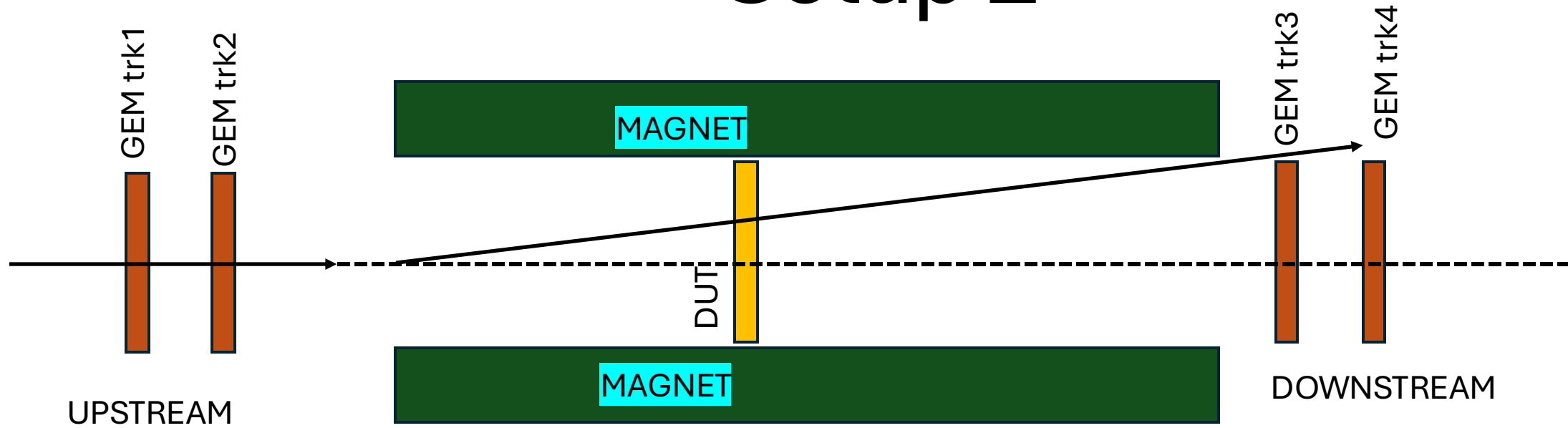
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Setup 1



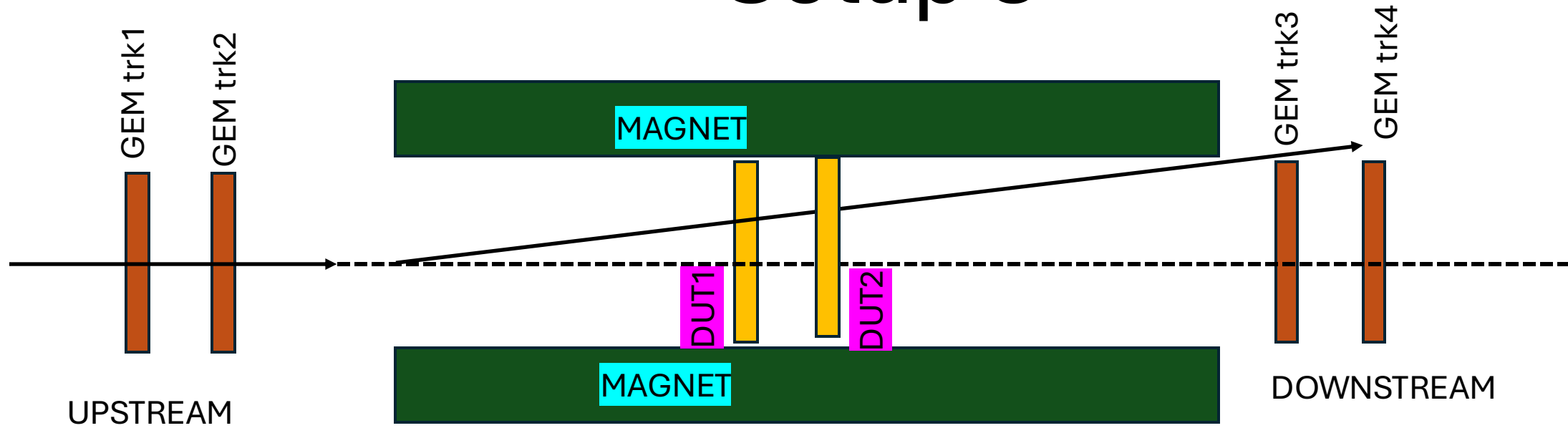
- DUT : One 30 cm x 30 cm double thin gap GEM+ uRWELL prototype
 - HV channels : 8
 - APVs : 8
 - HDMI cables : 4
- GEM trackers : Four 10cm x 10 cm triple GEM
 - HV channels : 4
 - APVs : 8
 - HDMI cables : 4

Setup 2



- DUT : One 10 cm x 10 cm double thin gap GEM+uRWELL pad readout prototype
 - HV channels : 8
 - APVs : 8
 - HDMI cables : 4
- GEM trackers : Four 10cm x 10 cm triple GEM
 - HV channels : 4
 - APVs : 8
 - HDMI cables : 4

Setup 3



- DUTs : Two 10 cm x 10 cm single thin gap GEM+ uRWELL pad readout prototype
 - HV channels : $4+4 = 8$
 - APVs : 8
 - HDMI cables : 4
- GEM trackers : Four 10cm x 10 cm triple GEM
 - HV channels : 4
 - APVs : 8
 - HDMI cables : 4

Intended Measurements (gas – ArCO₂:80/20)

Set up	Without Magnetic Field Measurements	With Magnetic field Measurements	Time period
I	a. HV scan a. GEM vary with mrWell constant b. mRwell vary with GEM constant b. Each set of HV scan above will also look at spatial resolution and efficiency	Same as w/o magnetic field	1 week
II	Same as setup I	Same as setup I	1 week
III	Same as set up I	Same as setup 1	1 week