



LHC Injectors Upgrade





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Follow-up on PSB SEM grids for injection matching

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Monitor

● Tank

- *Job PLAN 10071 in EN-MME's priority list*
- *Production drawings now in controls #2 process*
- *Expected delivery: October.*

● Grids

- *Assembly just started*
- *Wire interaction with Linac2 beams: answers after simulations this summer*

● Magnetic actuator

- *Stainless steel + Ceramic bearings-based from Olmeca Vacuum (nuclear plant supplier)*
- *Expected delivery: 6 weeks ARO,*
- *Vacuum acceptance to be validated by TE-VSC*

● ECR

- *Should start now (integration layout, impedance)*



Electronics / Controls

- ADC sampling frequency locked to RF: *OK*
- OASIS for analogue signal obs.: *OK*
- BE-CO: *A new FEC is required*
- Cables: *same for prototype and final boards*
- EN-EL: *in the pipeline for YETS 17-18 ?*



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THANK YOU FOR YOUR ATTENTION!

