



## ABP news

November 4<sup>th</sup>, 2021

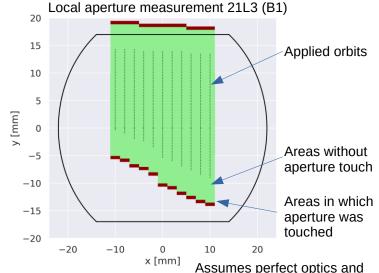
## **COVID** news

- CERNY
- Quarantine cases due to close contacts at CERN increasing. It is vital to maintain basic prevention measures (masks in shared spaces, seating limits in cafeterias and restaurants) should be respected and use of proximeter on-site is mandatory.
- Updated **guidelines** for the organisation of events at CERN are under discussion by the Enlarged Directorate (ED) (**COVID certificate** requirement).
- End-of-year parties on-site are not authorised, end-of year team gatherings off-site are strongly discouraged
- Masks may be disposed of in ordinary bins.
- CERN's **COVID-19** vaccination centre can vaccinate (Pfizer-BioNTech) for **free** anyone with CERN access card and resident in **France or Switzerland** including **family members** of CERN personnel, retirees and contractor personnel, during Mondays, Wednesdays and Fridays for residents in France, and on Tuesdays and Thursdays for residents in Switzerland, 9.00-11.30 a.m. and 2.00-4.30 p.m. To sign up, call the COVID Helpline at +41 22 766 7777 and full details here <a href="https://hse.cern/content/covid-19-vaccination">https://hse.cern/content/covid-19-vaccination</a>.
- **Flu vaccination** (Building 568, from 1 November 2021, 08:30 am-12:20 p.m. and 1:30 -4:20 p.m. on working days) offered free for CERN pensioners and family members over 18 years covered by CHIS, by appointment via PLAMED only: <a href="https://plamed.web.cern.ch">https://plamed.web.cern.ch</a>.

## Operation (01/11/2021)



- TI: **Patrol lost** in **BA80** several times
- LINAC4: 98.8% availability. New source 3 MeV test approved
- PSB/PS: Beam for **HiRadMat** characterised up to PS, **target emittance of 2.3 μm** in both planes achieved.
- AD/ELENA: Work on injection line matching, working point optimisation in ELENA, BTF measurements for 3.57 GeV/c stochastic cooling
- SPS: Successful completion of slip-stacking for 8 bunches and acceleration to flat top ~50% transmission, HiRadMat will take place, scrubbing last Monday for ~10h (for 1.2e11 ppb)
- LINAC3: **Excellent week**, source microwave generator tripped, with a similar fault as last week
- LEIR: Nominal beam sent to SPS for slip stacking commissioning, MDs on resonance compensation and instabilities with TF
- CLEAR: preparation of **dosimetry experiments**, for CHUV and R2E (RPL pellets for high dose rate dosimetry)
- LHC: Nominal bunches injected, ADT setup (new low noise BPM), collisions of 3/4 bunches per beam (lifetimes started around 4 hours). Emittance and ATLAS non-linearity scans performed. Collimators aligned and loss maps revealed B1V restriction at 21L3, with presence of thin object (bent RF finger) at the bottom of beam-pipe (~7σ). Avoided with bump of +5mm in X and +2.5mm in Y, V on-momentum aperture increased to 11 σ. Ramp to 3.5 TeV tested 04/11/2021



orbit correction. In reality some

error bar: to be evaluated

