

A decorative graphic consisting of a grid of overlapping squares in various shades of blue and purple, arranged in a stepped pattern on the left side of the slide.

# ABP news

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

# COVID news



- **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 <https://hse.cern/content/covid-19-vaccination>.
- **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: <https://plamed.web.cern.ch>.

# 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  $\mu\text{m}$**  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  $\sim 50\%$  transmission, HiRadMat will take place, scrubbing last Monday for  $\sim 10\text{h}$  (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 ( $\sim 7\sigma$ ). Avoided with bump of **+5mm in X** and **+2.5mm in Y**, **V on-momentum aperture** increased to **11  $\sigma$** . Ramp to 3.5 TeV tested

04/11/2021

