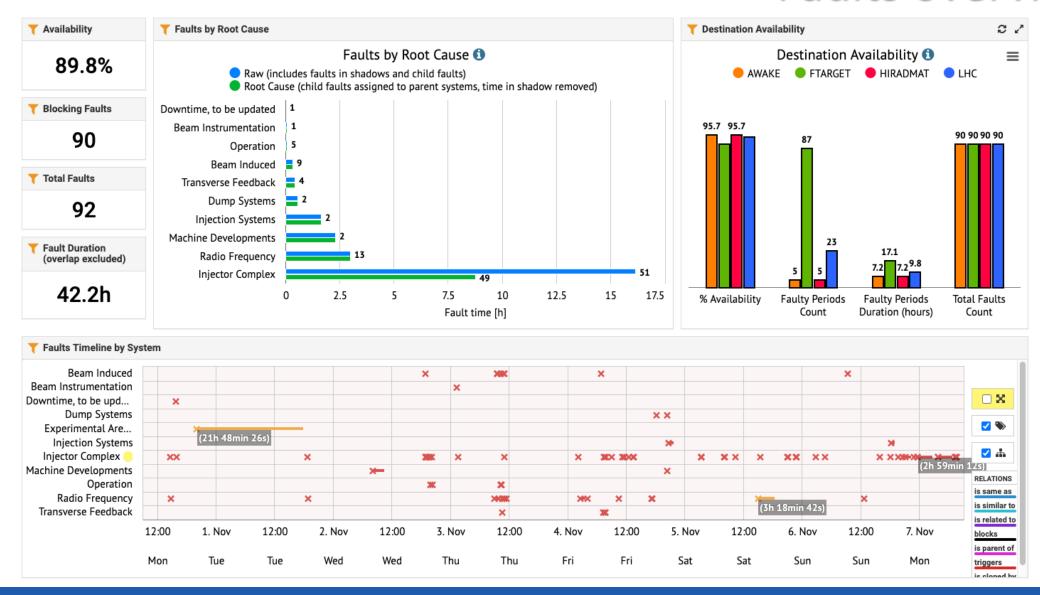


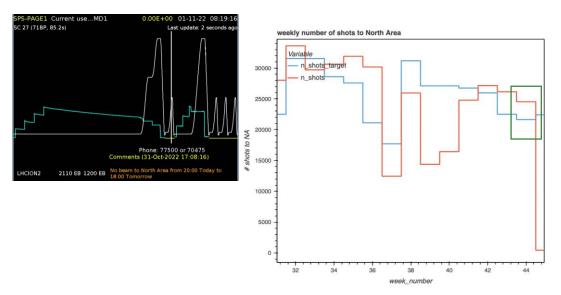
Faults overview





Week 43 / 44 Review

End SPS-NA Protons Physics start Physics start Nov SPS-NA Pb ions PS-EA Pb ions 44 45 46 47 43 DSO test lons 8:00 - 18:00 8:00 - 18:00 Par. Pb Comm Par. PSB/PS MD Ded. Inj. MD Ded. Pb Comm. Par.SPS MD Par. SPS MD 8:00 - 18:00 8:00 - 18:00 8:00 - 18:00 8:00 - 18:00 8:00 - 18:00 8:00 - 18:00 Ded. Pb Comm. 8:00 - 18:00 8:00 - 18:00 LHC MD Prep. Par. Pb Comm 8:00 - 18:00 8:00 - 18:00 2-week SPS-NA **PblRun**

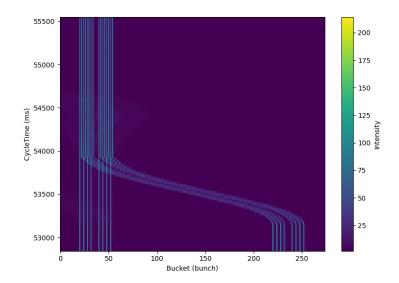


Programme

- Physics:
 - Overall good delivery of beams beside very dense program otherwise – physics delivered on target!
 - COMPASS lost polarization before weekend are now trying to catch up for last 2 days of their run!
- MDs
 - Difficulties with long ion cycle debugging tedious due to long low duty cycle; made some progress but needs improvements for next MD
 - Successful dedicated MD on crystal channeling achieved 48% loss reduction in volume reflection mode with non-local crystal



End SPS-NA Protons Physics start Physics start Nov SPS-NA Pb ions PS-EA Pb ions 42 43 44 45 46 47 Par. Pb Com DSO test lons 8:00 - 18:00 8:00 - 18:00 Par. Pb Comm Par. PSB/PS MD Ded. Inj. MD Ded. Pb Comm. Par.SPS MD Par. SPS MD 8:00 - 18:00 8:00 - 18:00 8:00 - 18:00 8:00 - 18:00 8:00 - 18:00 8:00 - 18:00 Ded. Pb Comm. 8:00 - 18:00 8:00 - 18:00 LHC MD Prep. Par. Pb Comm 8:00 - 18:00 8:00 - 18:00 2-week SPS-NA Pb Run



Week 43 / 44 Review

Programme

• Physics:

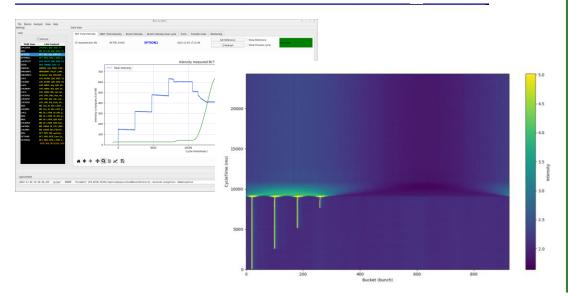
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PblRun

Week 43 / 44 Review

Programme

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• MDs

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LHC

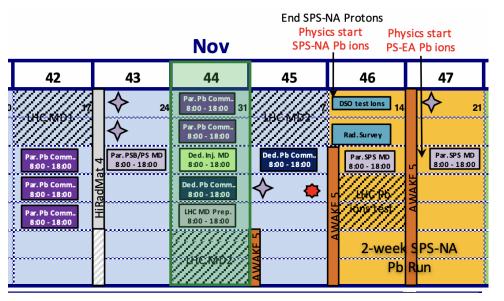
- Regular delivery of 36 bunches BCMS beams up to 1.5e11 ppb
- Dedicated fills test still foreseen for one of the upcoming fills

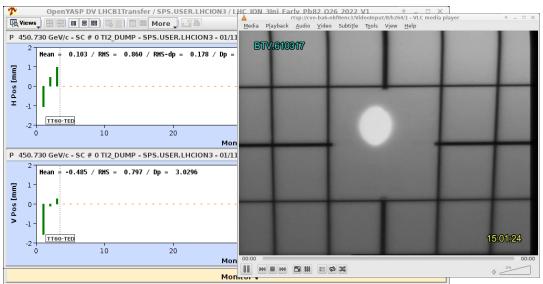
lons

- HWC for SFTION progressing slowly; several difficulties and obstacles faced; new FW deployed and being tested today
- No more slots officially foreseen for ion commissioning; will need to find additional time if required



Week 43 / 44 Review





Programme

• Physics:

- Overall good delivery of beams beside very dense program otherwise – physics delivered on target!
- COMPASS lost polarization before weekend are now trying to catch up for last 2 days of their run!

MDs

- Difficulties with long ion cycle debugging tedious due to long low duty cycle; made some progress but needs improvements for next MD
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LHC

- Regular delivery of 36 bunches BCMS beams up to 1.5e11 ppb
- Dedicated fills test still foreseen for one of the upcoming fills

lons

- HWC for SFTION progressing slowly; several difficulties and obstacles faced; new FW deployed and being tested today
- No more slots officially foreseen for ion commissioning; will need to find additional time if required
- LHC EARLY ion beams extracted to TEDs



End SPS-NA Protons Physics start Physics start Nov SPS-NA Pb ions PS-EA Pb ions 44 45 46 47 43 Par. Pb Com DSO test lons 8:00 - 18:00 Par. Pb Comm 8:00 - 18:00 Par. PSB/PS MD Ded. Inj. MD Ded.Pb Comm. Par.SPS MD Par. Pb Comn Par. SPS MD 8:00 - 18:00 8:00 - 18:00 8:00 - 18:00 8:00 - 18:00 8:00 - 18:00 8:00 - 18:00 Ded. Pb Comm.. 8:00 - 18:00 8:00 - 18:00 LHC MD Prep. 8:00 - 18:00 8:00 - 18:00 2-week SPS-NA Pb Run

Week 44 / 45 Incoming

LHC MD2 Block

 Preparation of 8b4e could not be completed on Friday → still needs to be slotted in in parallel to ongoing LHC MDs

Additional ion commissioning slots...

- Monday / Tuesday during LHC MDs → bad as last protons for COMPASS
- Oven refill done already last week → Thursday / Friday possibility for additional time – already mentioned at the user's meeting

AWAKE

· Coming in on the weekend



Questions and Comments

SPS Supervisor of the week 45 – Arthur Spierer



Weekly 08:45 Weekly Coordination Zoom meeting

Web address: https://cern.zoom.us/j/6929444357?pwd=bFk2OHdYUXA4NnhiQjcyQ2p0VGxnZz09

Meeting ID: 692 944 4357





