



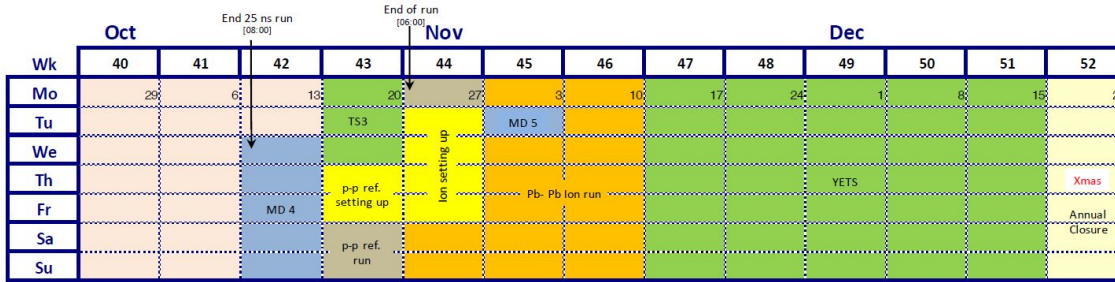
Update on ALICE's resource needs for 2025

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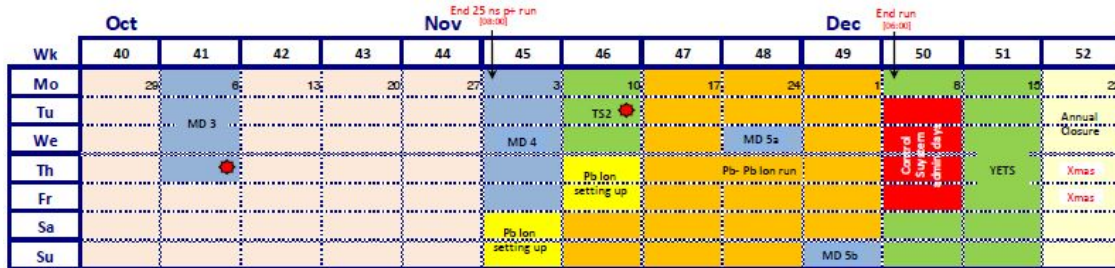


Update of the luminosity estimates for 2025

Scenario considered for the 2025 resource requests in April 2024:



Schedule currently planned for 2025:



In addition to the increased 2024+2025 pp days, significantly higher expected luminosity for Pb-Pb collisions in 2025:

- Excellent machine performance in 2024
- No pp reference run planned
- 21 physics days for Pb-Pb collisions, up from the previously planned 15 days
- Integrated luminosity of 3/nb expected over the 21 days, compared to 1.8/nb in 15 days previously considered

Update on ALICE resource needs for 2025

- Expected 111 PB of data to be archived in 2025, plus 7 PB for the Run 2 archival campaign, which is essential for freeing up disk space, totaling 118 PB
- Available tape space in 2025:
 - 337 PB (2025 pledge) - 241 PB (projected tape usage as of April 2025) = 96 PB
- A shortfall of 22 PB in tape space needs to be distributed according to the computing model:
 - $22 \text{ PB} \times 2/3 = 14.5 \text{ PB}$ at T0
 - $22 \text{ PB} \times 1/3 = 7.5 \text{ PB}$ at T1s
- The additional 22 PB of tape will be needed at the end of the HI run on December 8th
- They can be considered as an advance on the 2026 pledges, as the overall 2026 requests will incorporate this additional requirement from 2025