

Hall A RC Report

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Hall A Weekly Meeting 2019-03-05

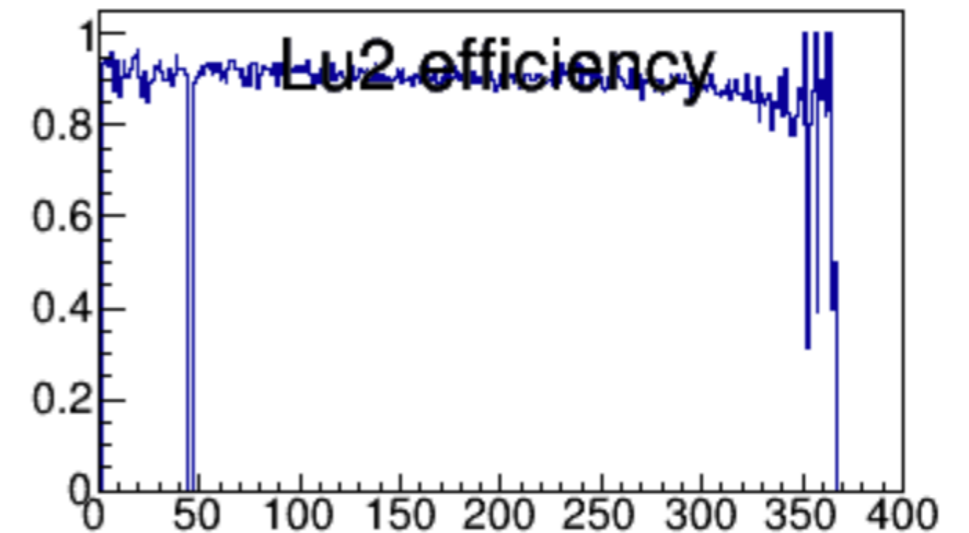
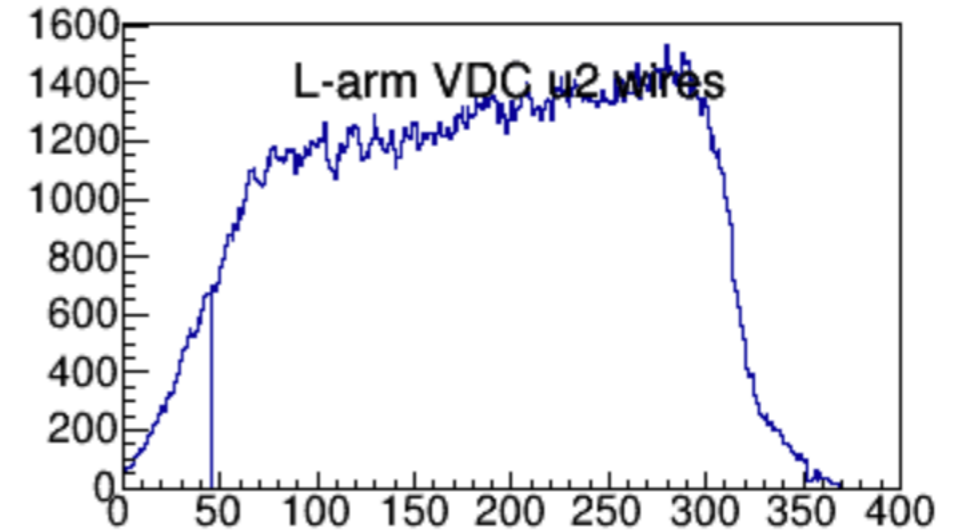
Thanks Jason Bane for the input!

Summary for this week

- APEX: the 6th week
- Production running at 30uA on Tungsten 2.8% target
- Run extended to March 18 morning
- Issues keep coming and being fixed

Daily Events

- Wednesday Feb 27:
 - 3 h (day) + 2.5 h (swing) ABU;
 - beam tuning
- Thursday Feb 28:
 - 3 h (owl) ABU, left dipole tripped.
 - Right arm optics data
 - Fixed during day shift.
 - 5.5 ABU for swing shift
 - Left arm VDC u2, low efficiency issue



Daily Events

- Friday March 1
 - Productive day
 - Lost beam ~ 22:00 due to the cavity issue (1L25) at NL
- Saturday March 2
 - Beam back ~18:00
 - Checked the VDC LU2, connection issue.
- Sunday March 3
 - Productive

Daily Events

- Monday March 4
 - DAQ stopped working early morning, Alex fixed.
 - Beam study 8:30-12:00, but we were taking useful production data
 - Back to production run; no beam for 15:00 - 17:40.
 - Lost beam again at the end of swing
- Tuesday March 5
 - Beam back ~5:45
 - RF recovery started ~9:00

Ongoing and plan

- Accelerator energy reduction setup ongoing
- Hall in controlled access until Thursday day shift.
- Shifts from now to Thursday owl are cancelled.
- Right arm polarity being changed from positive to negative
- Will take SciFi + Wire and Carbon optics data once beam back. Then change polarity back to positive.
- Back to production run with the reduced beam energy 2.139 GeV

Thank you!