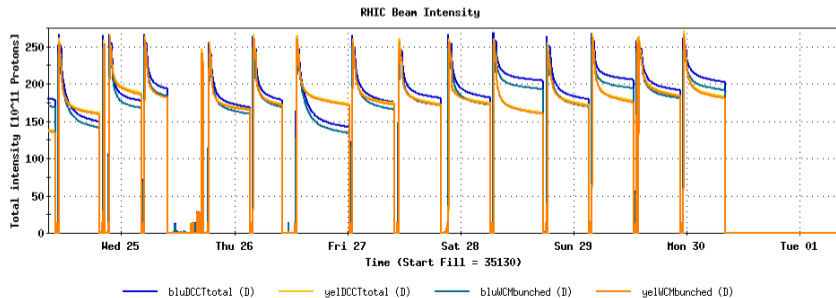
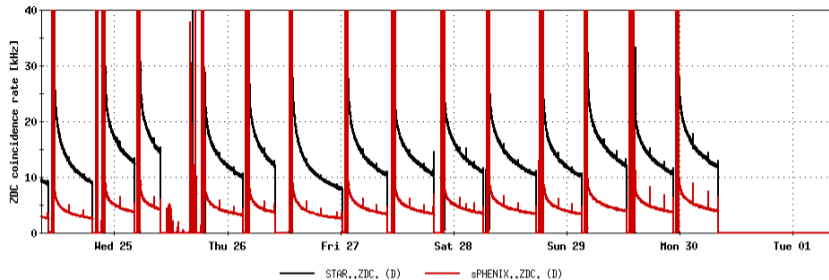


RHIC Status

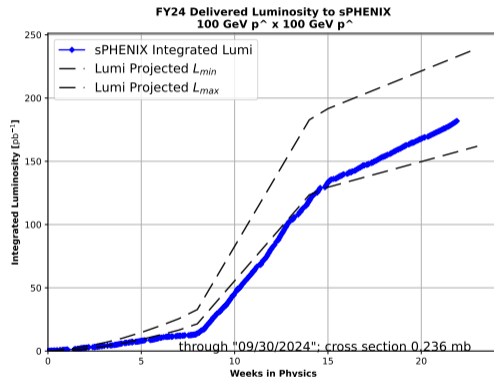
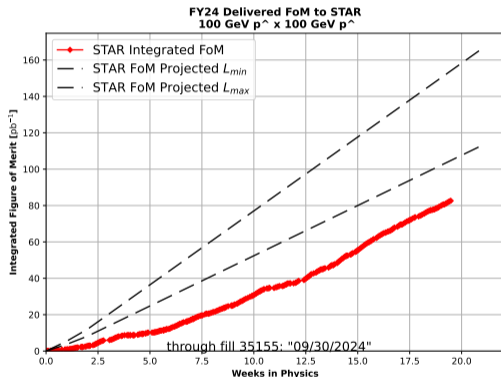
Kiel Hock

Last Week at RHIC



RHIC status and Lumi Projections

111x111 physics running since 4/30. Preliminary luminosity accounting



	STAR	sPHENIX
Total delivered (pb^{-1})	271.1	181.9
Misc. (pb^{-1})	83 (FOM)	55 (10 cm)

RHIC Status

Physics running with up to 2.4×10^{11} /bunch at physics and 50-60% polarization.

APEX last week. Maintenance yesterday.

OPPIS went unstable and brought offline 9/30 @0000.

Polarized proton run concluded 9/30 @0800.

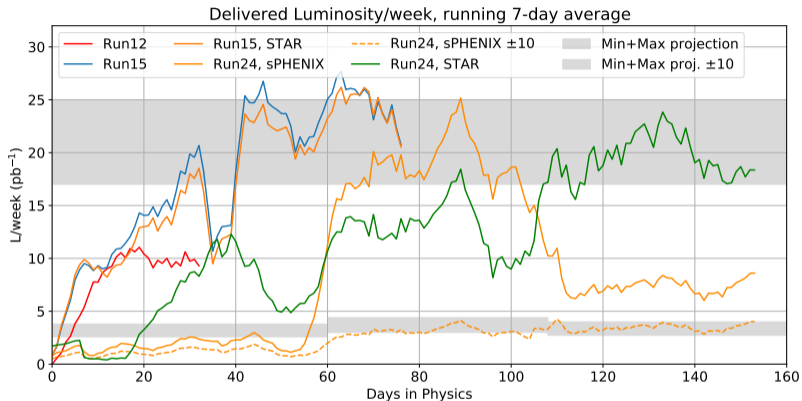
Maintenance yesterday to fix AC at 1004 (not completed) and get RF storage cavities ready for conditioning.

Yellow abort kicker failed, 6 hour investigation on 10/1, time to repair undetermined.

High current shutoff and DX training postponed. QLI on 10/1 while trying for high current shutoff.

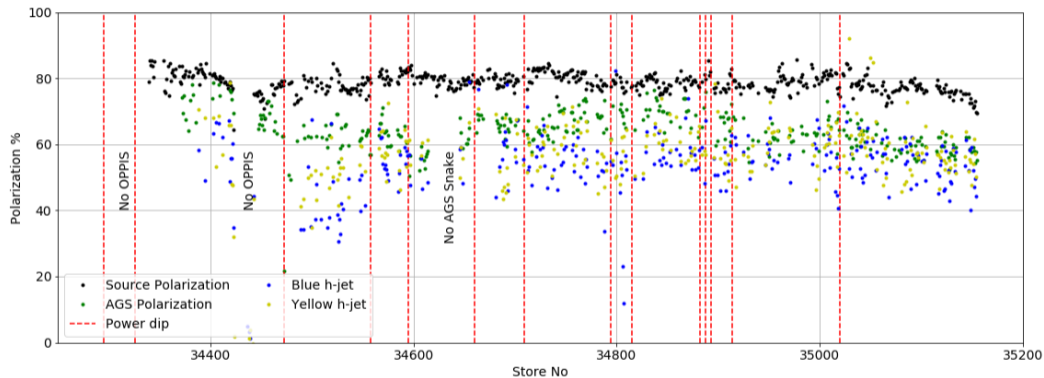
Intensity in AGS for Au 2×10^9 /bunch.

RHIC Performance



- Both STAR and sPHENIX are within the minimum and maximum projected window.
- sPHENIX rebound following accelerator improvements, no effect on STAR. Still being investigated.

Polarization Performance



h-jet values from: <https://www.cnipol.bnl.gov/hjet/run24.html>

cni values from: <https://www.cnipol.bnl.gov/fills/?rp=24&fn=&ft=&be=100&mode=11&sb>Select>

Au Startup Status

Day(s) Shift	Day	Objective	
		Evening	Overnight
9/30	Maintenance	injection setup	RF conditioning
10/1	Yellow abort kicker access+High current shutoff	Injection and ramp setup	RF conditioning
10/2	DX Training+High current shutoff	ramp development	RF conditioning
10/3	rebucket setup and store development		Experimenter Setup
10/4-10/8	ramp up and start setting up stochastic cooling 1 plane/store		
10/7+	week of, look to setup 56 MHz (1-4 shifts required)		

IR6 and IR8 access available during DX training+High current shutoff

Startup schedule is available [here](#)

DX training matrix

IR	IR4	IR6	IR8
DX angle (quench)	2 mrad (quenched)	1 mrad (no quench)	0 mrad (no quench)

RF conditioning matrix

	BS1	BS2	YS2
Voltage (kV)	-	500	600

All other cavities conditioned to 800 kV.

C. Giorgio to talk on C-AD shutdown plans.