

AGS pp Status

Haixin Huang

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Time Meeting

Status

- RHIC injection intensity is pushed to 2.5-2.6E11 now.
- We took new polarization ramp measurements on user2 (faster cycle) and user4. Combined with tune measurements on the ramp, new sets of JQ timing function have been generated. We are testing them now.
- Started polarization profile measurements on user8 ($G_{\text{gamma}}=40.5$). Got first horizontal profile done.
- D5 eIPM gas leak valve began leak last Friday and eventually tripped on Saturday. The leak valve has been disabled and vacuum has recovered. The leak valve requires a ring access to be fixed but we can live without it.
- The bunch to bucket oscillation was traced back to modules for main magnet controls (bad connectors). After the fix, the occasional beam loss and emittance growth stopped happening.

B2B Noise Caused Beam Loss/Emittance Growth

Beam Intensity



Bad State



Good State