

AGS/Booster Status

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Time Meeting

Status

- Source polarization was low after maintenance day. Gradually, the polarization came back from 77->79->80%. Over the weekend, Anatoli tuned the source to get it back to 81-82% nominal level. There is still the source intensity stability issue.
- The vertical tune in AGS should be 8.985 at the 0+ resonance. However, the way the AGS is currently tuned, it was found that increasing it above 8.986 results in frequent emittance blowups.
- A new JQ timing function for user4 has been generated, Mar23. The comparison showed that it gave similar performance as the Feb. 20 one. Currently, we are doing overall timing scan for Mar23 function.
- Ggamma=31.5 flattop has been setup on user7. The Ggamma meter does not give correct Ggamma value, off by 3 units. We did rough field scan here and polarization flat region is much wider than Ggamma=45.5.
- The AGS eIPM was removed from the ring last Wednesday. Nothing wrong was found in the ring. It will be checked outside.

Vertical Emittance Blowup if $Q_y > 8.986$

