

First turn SVD orbit correction

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What for?

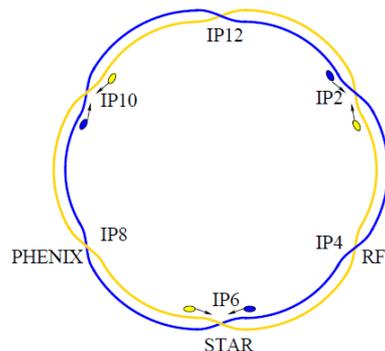
Get first turn beam ~3 hrs

Reduce to 20 mins

Get circulating beam ~3 hrs

Reduce to 20 mins

How?



Rhic is a broken ring before beam circulating, broken ring is called transfer line.

Revert optics back to the beginning of the run, inject beam, put BPMs in self trigger mode, take orbit, use the new orbit correction scheme correct the orbit, inject beam, take orbit, push correct button..... until get first turn beam; turn on injection kicker, take first turn orbit, push button do correction, repeat until get circulating beam.