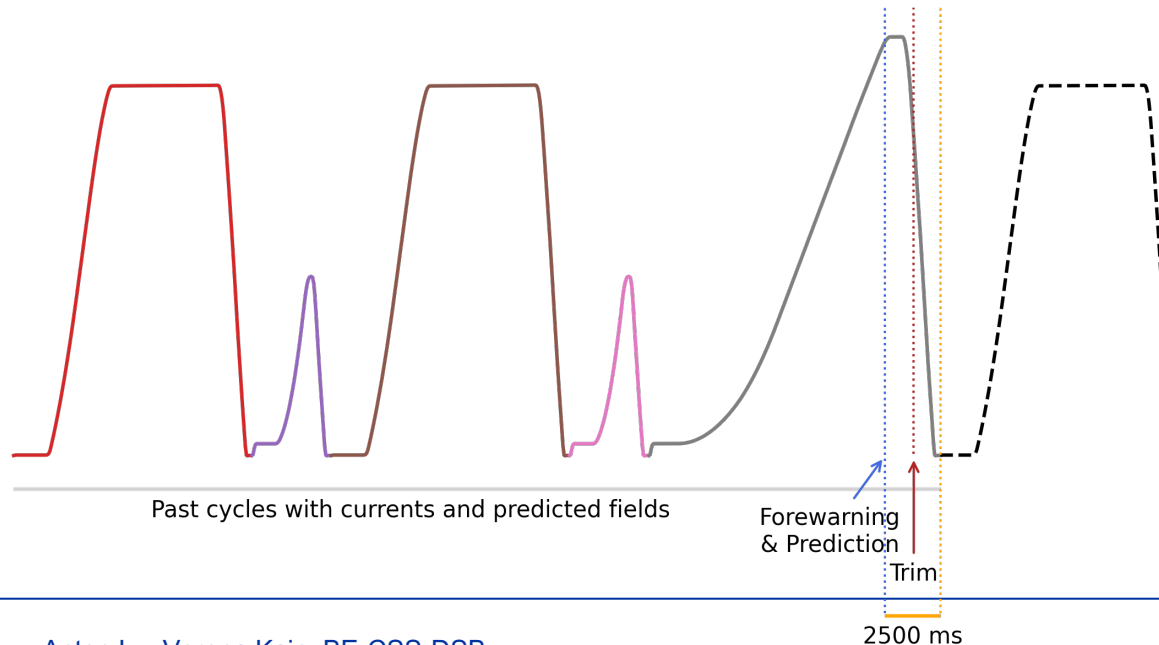


SPS B-Train for field prediction and hysteresis compensation

- Use logged I and B to train a neural network to predict future (measured / "real") B and do high-level, cycle-by-cycle, feed-forward correction
- Use of published I and B can be used for immediate validation (or potentially cycle-by-cycle feedback)

The proposed SPS main dipole field prediction and hysteresis compensation algorithm



SPS main dipole field prediction vs measured, for fixed target cycles

