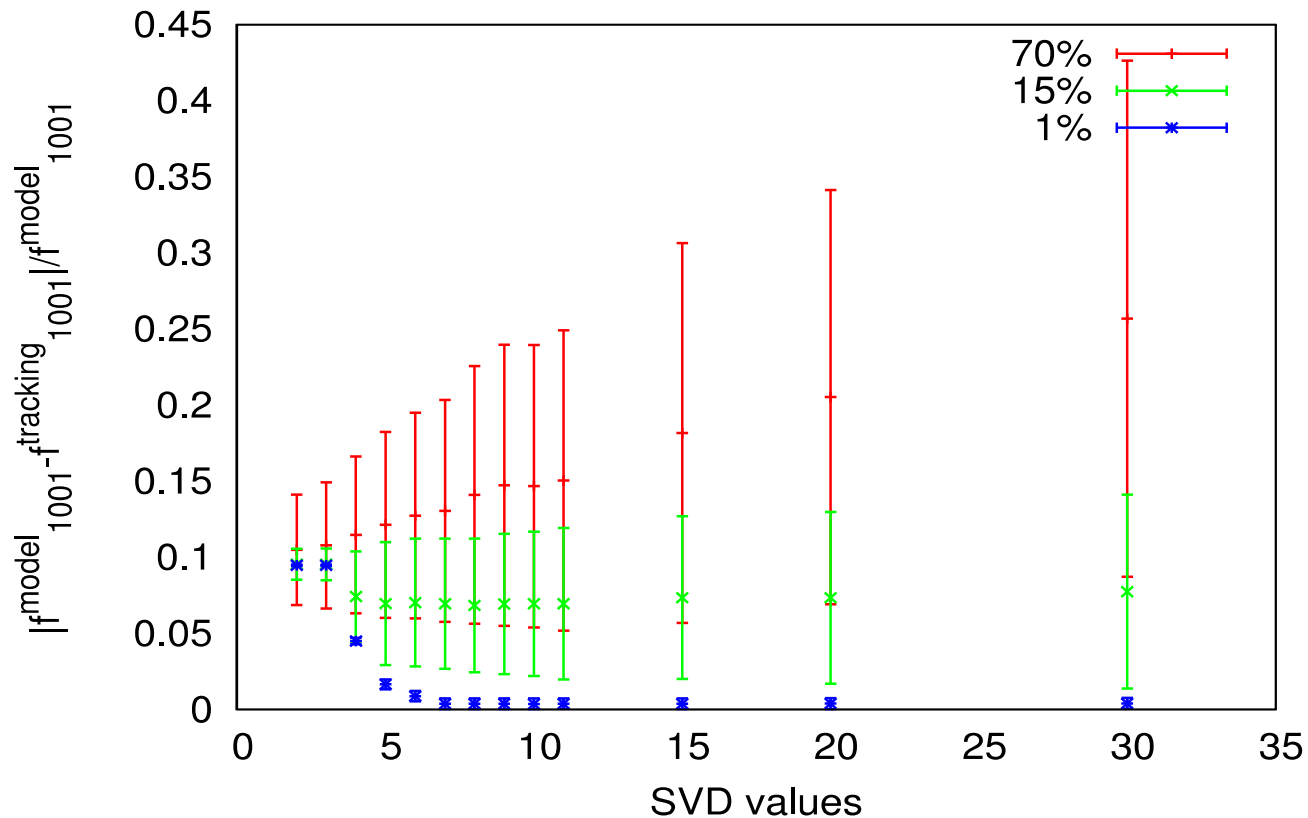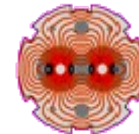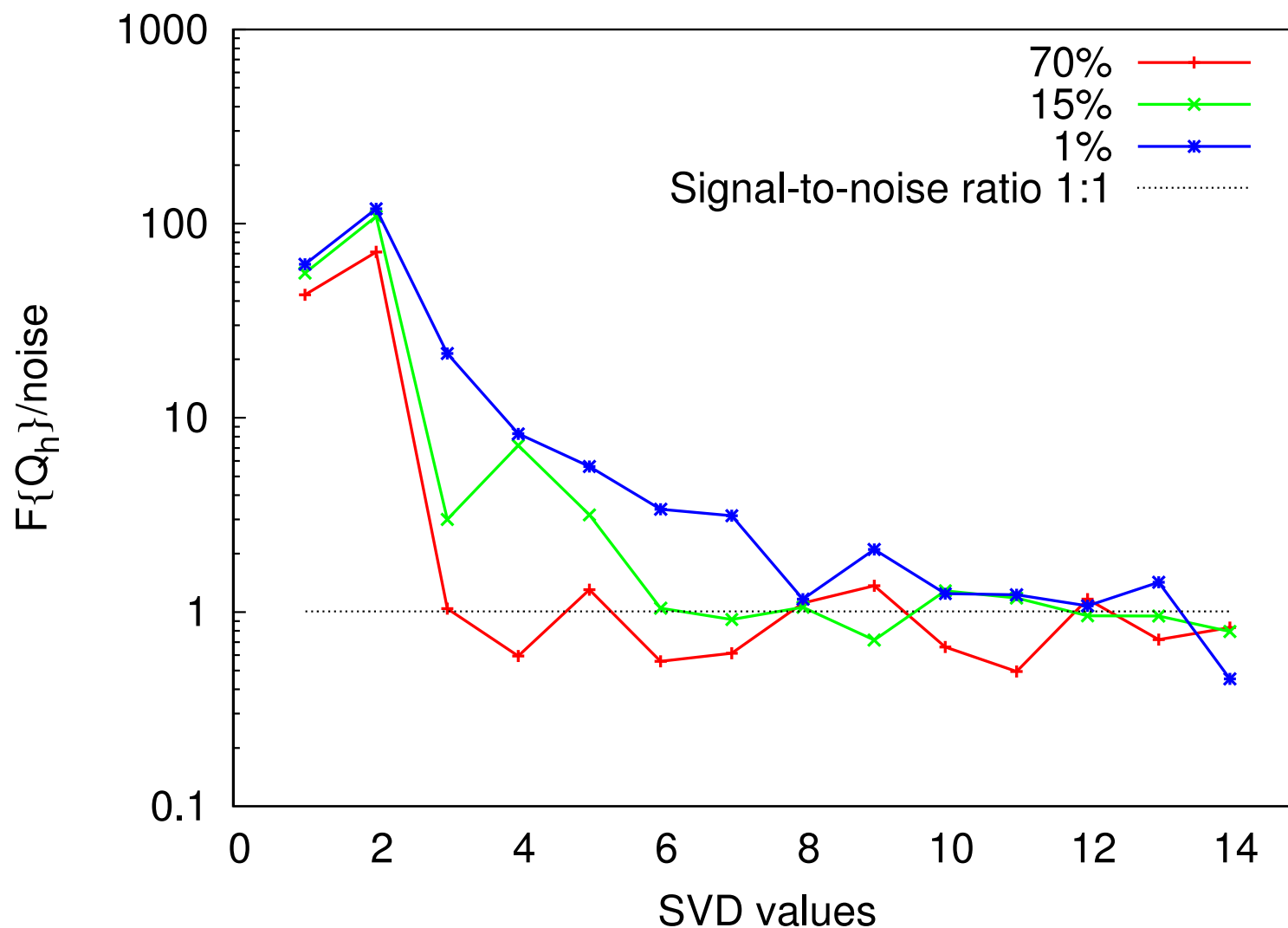# What is the optimal number or Singular Values to keep when cleaning the Turn-by-Turn data?

- Tracking 1000 turns
- The skew quads are used to introduce coupling.
- The difference between tracking without any noise and after cleaning the signals with noise for the different number of singular vales is plotted
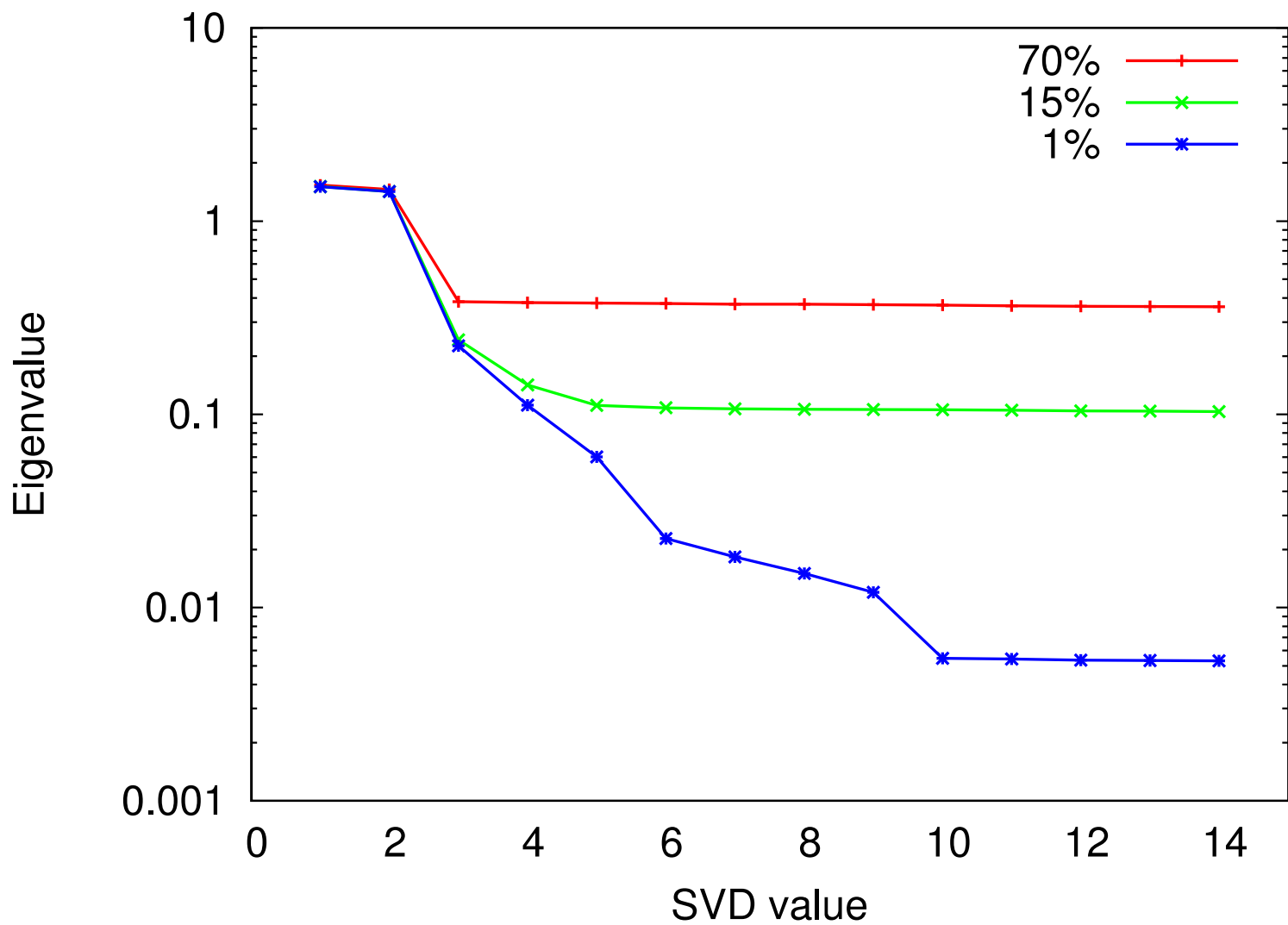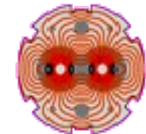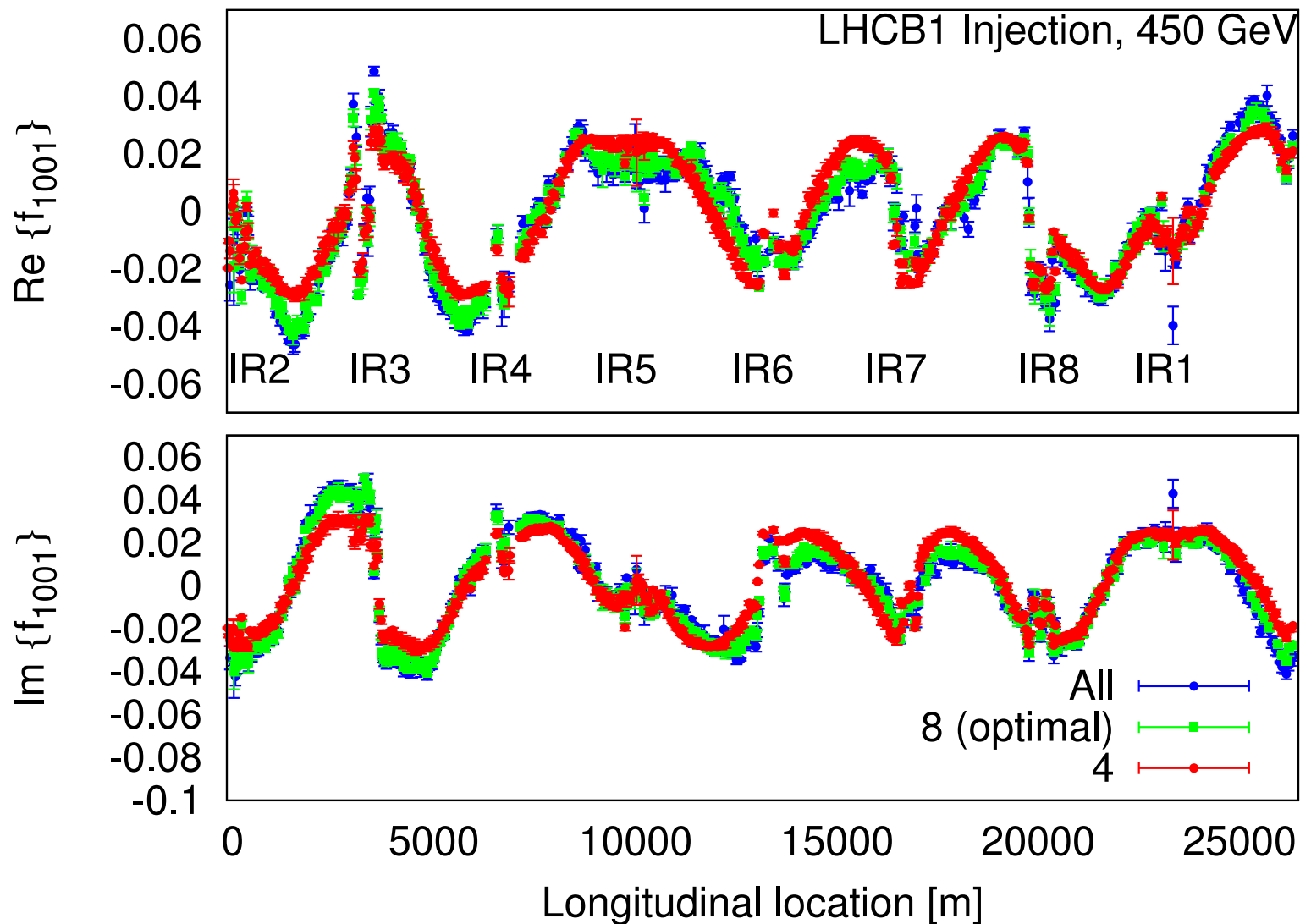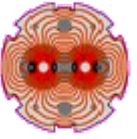
FFT of the temporal modes

The magnitude of the eigenvalues

Measured data

How should we use this method?
Is it also true for beta-beat?