

Discussion of the HVP dispersive sessions

- The precision of the input data determines the precision of the HVP evaluation
 - BABAR and KLOE have best overall precision but they are not in agreement neither in the shape nor in integrated quantity
 - Other data sets are unfortunately not precise enough to resolve the disagreement

- Data combination
 - Local error inflation applied when data are in tension
 - This is not sufficient to cover the BABAR/KLOE disagreement
 - Need an agreed strategy to quote the uncertainty for covering the disagreement

- Analyticity and unitarity constraint valuable at low energy
 - which energy should be considered as low energy? 0.6 GeV or up to 1 GeV?
 - different implementations though providing consistent results (e.g. before 0.63 GeV)
 - what (significance) criteria to decide which parameter to keep in the parameterization?

- Combination of low energy fit with high energy data integration
 - the correlation between the two needs to be properly taken into account

Link to Some of the Talks in the Sessions

- DHMZ 19 ([link](#))
- HNT 19 preliminary ([link](#))
- 2pi analyticity constraints ([link](#))
- 3pi analyticity constraints ([link](#))