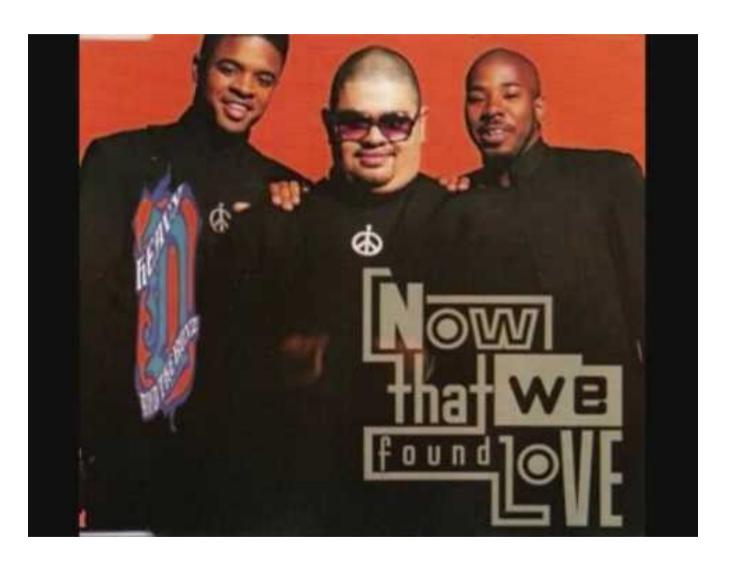
Combinations and "Global" fits

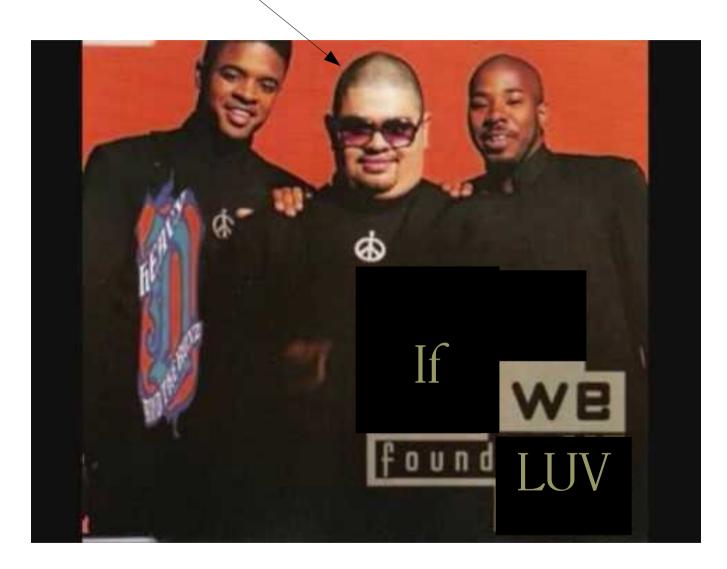
- As we get more precise, combinations of results from different measurements get more important
 - e.g. Wilson coefficients, gamma combination, charm mixing
- Essential to take correlations into account
 - "easy" until now as statistical uncertainties (mainly) dominate
 - non-trivial correlations of systematic uncertainties between "independent" measurements will need careful consideration
 - auxiliary input measurements
 - detector effects
 - combining data from different experiments (e.g. $K\pi$ isospin partners)
 - can we maintain $\sigma_{\text{syst}} << \sigma_{\text{stat}}$?

Baryons

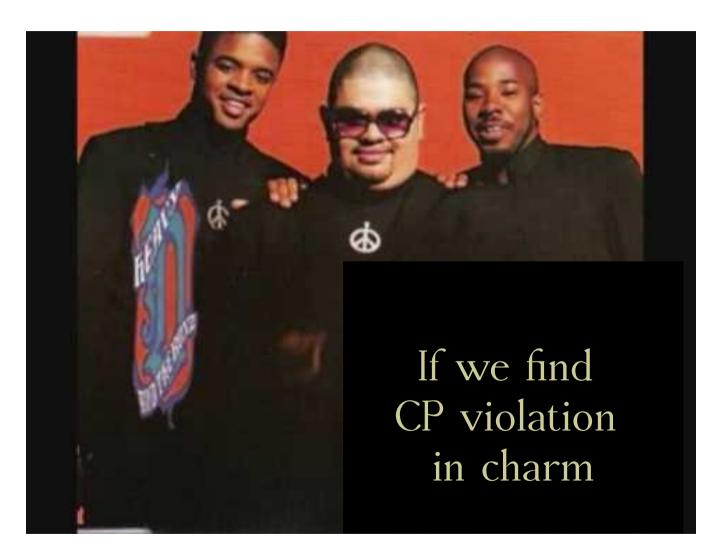
- At the LHC, we produce a lot of b and c baryons
 - growing programme of measurements, but until now mainly production and spectroscopy
- Can we make better use of these to test the SM?
 - several methods in the literature for rare decays
 - relatively little for CP violation
- Scope for progress from both experiment and theory
 - e.g. consideration of polarisation



... what are we gonna do with it?



... what are we gonna do with it?



... what are we gonna do with it?

Thanks ... and follow up meeting

- ... to everyone for coming, giving great talks and contributing to stimulating discussions
- ... to our secretary Hanako Bell for local administration
- ... to other organisers: Alex, Sneha, Simone, Mark
- Sorry about the heat. Follow up meeting will be in Durham to compensate
- Exact date tbc, but approximately 12 months from now
 - hope to keep some momentum from this meeting
 - will start organisation in next few months let us know if you are keen to participate
- Write up will follow the second meeting
 - no rush to do something for the European Strategy process