

# FlavBit update

Marcin Chrzaszcz  
mchrzasz@cern.ch



University of  
Zurich<sup>UZH</sup>

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# Things that changed after Geilo

- In the SuperIso the function `SI_BRBKstarmumu_11_25` was changed to convenience function.
  - Reason for this is that this function calculates angular observables in a given  $q^2$  range. We measured this in several  $q^2$  ranges so we need to call it couple of times.
  - Then writing an observables is easy:

```
void SI_BRBKstarmumu_11_25 ( Flav_KstarMuMu_obs result)
struct parameters param = *Dep::FlavBit_fill;
double q2min=1.1;
double q2max=2.5;
result=BEreq::SI_BRBKstarmumu_CONV(param,
byVal(q2min),byVal(q2max) );
```

- One just needs to write this 5 line function for each of the measured bin in  $q^2$ .

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- In my likelihood because of my stupidity I was calling the Superlso functions directly:

```
SI_BRBKstarmumu_11_25(obs_out_11_25);
```

- Now changed this to use Pipes:

```
Flav_KstarMuMu_obs
```

```
obs_out_11_25=*(Dep::BRBKstarmumu_11_25);
```

- Results are exactly the same :)

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Most important things:

- All those changes are merged in master and their work.
- Minor things to do:
  - Remove debugging couts.
  - Check if there are no new measurements available after Geilo.
- And we are done folks :)

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  - Check if there are no new measurements available after Geilo.
- And we are done folks :)
- Example of cleaning needed:
  - `cout<<"Differnet size, what did you fucked up idiot?"`  
`<<observables.size()<<" != "<<M_exp.size1()<<endl;`
  - `// We read the measurements, now for the fucking theory part ;(`
  - `// nasty hack for now, hate my self!`