$B^0 o K^{0*}(K\pi)\mu\mu$ full angular analysis Status Update

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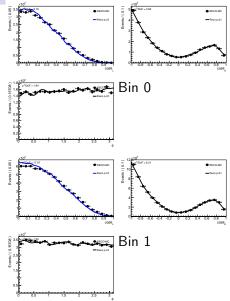
AFB meeting, CERN, 17 Dec 2015



Progress since last week



- Shared code for tri-linear interpolation for rooHistData class;
- found and fixed a bug when dealing with interpolation near the boundary of the histogram;
 - re-shared code
 - fit test shows that the problem in pdf plot previously reported was actually related to the above bug;
- fitted pdf is smooth and does not have any saw-tooth shape
- Issue solved!



- some progress in performing fit with Linwei's code
 - the problems we got were due to:
 - ★ fixed F1
 - \star use of mistag > 0 even if trueGoodtag were set
 - now fit is decent at least in some bins;
- generation of 100 toy MC for eff. computation to estimate the syst due to MC statistics
 - status

Right-tag Complete
Wrong-tag 70% Complete

- ▶ four efficiencies using 1/4th of the available MC sample are ready as well:
- ready to estimate this systematics as soon as the fit on MC is stable.