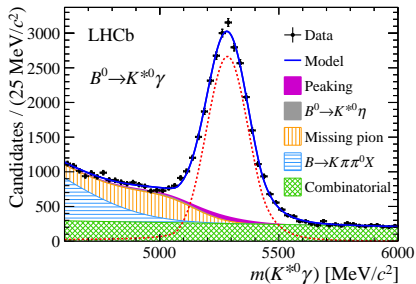


First experimental study of the photon polarization in radiative B_s decays at LHCb

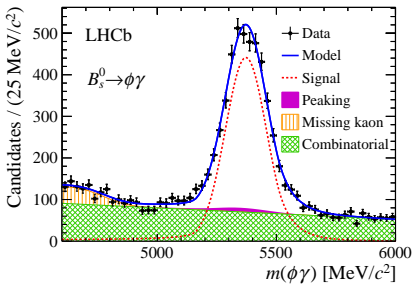
Zhirui XU (LAPP-CNRS)

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Fit on the B mass distributions

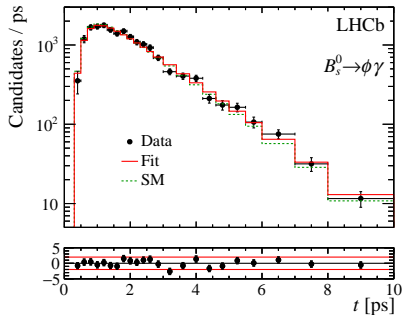
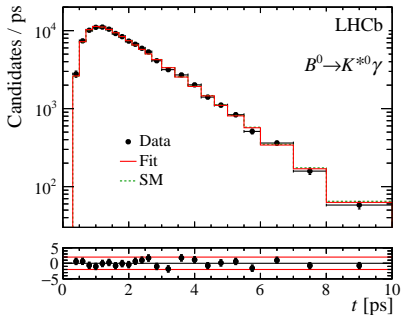


$$N_{\text{Signal+Peaking}} = 25760 \pm 301$$



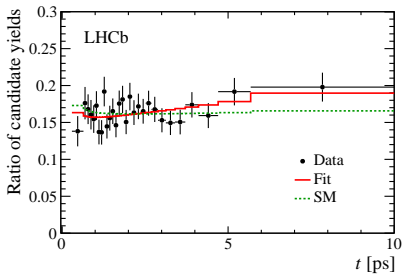
$$N_{\text{Signal+Peaking}} = 4214 \pm 90$$

Fit on the B decay time



$$A^\Delta = -0.98^{+0.46}_{-0.52}$$

Fit on the B decay time ratio



$$A^{\Delta} = -0.85^{+0.43}_{-0.46}$$