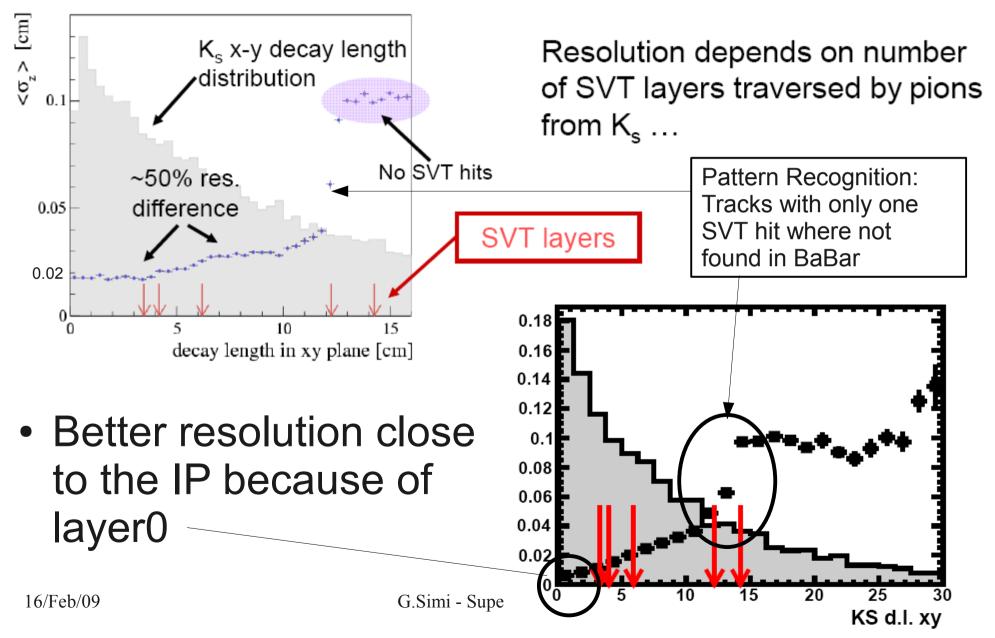
# $B \rightarrow K_{s}\pi^{0}(\gamma) \& SVT \text{ outer radius : a}$ brief study

#### Gabriele Simi (University of Maryland)



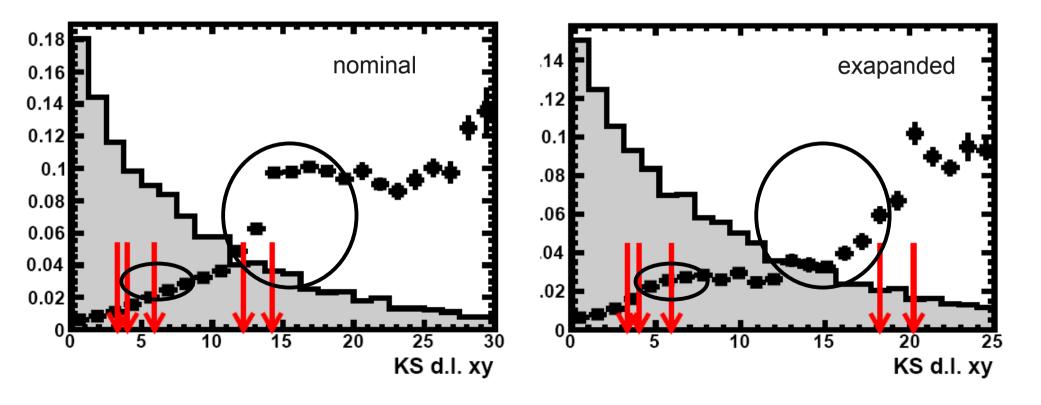


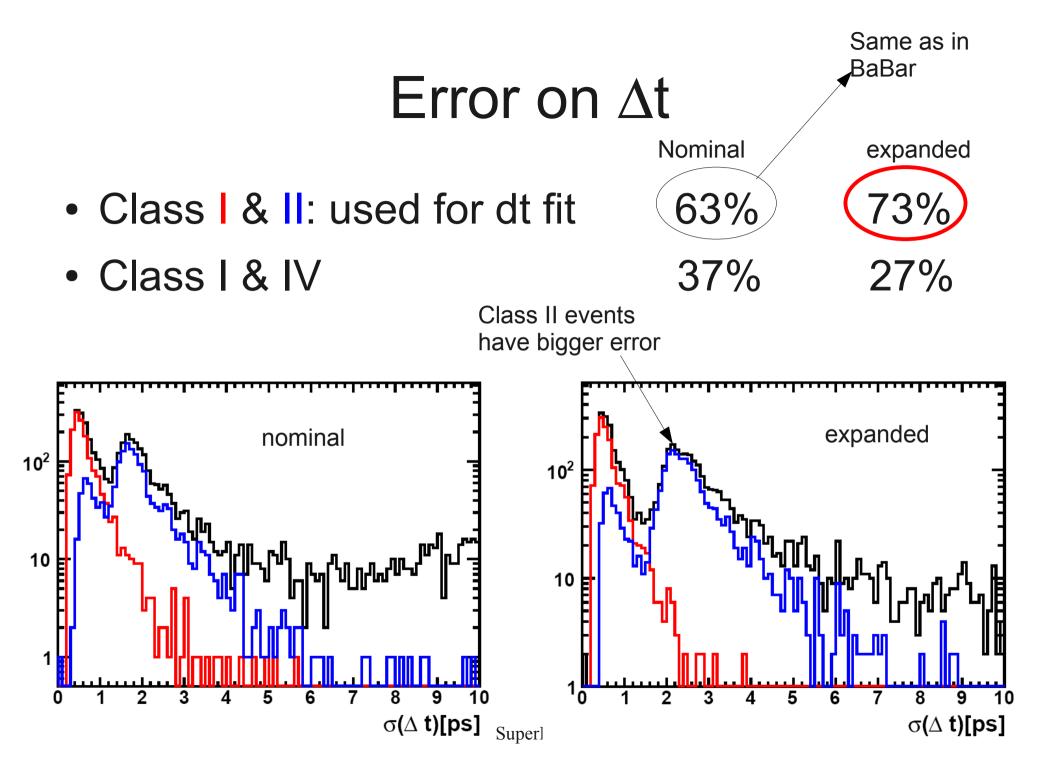
# Resoution vs f.t. In BaBar



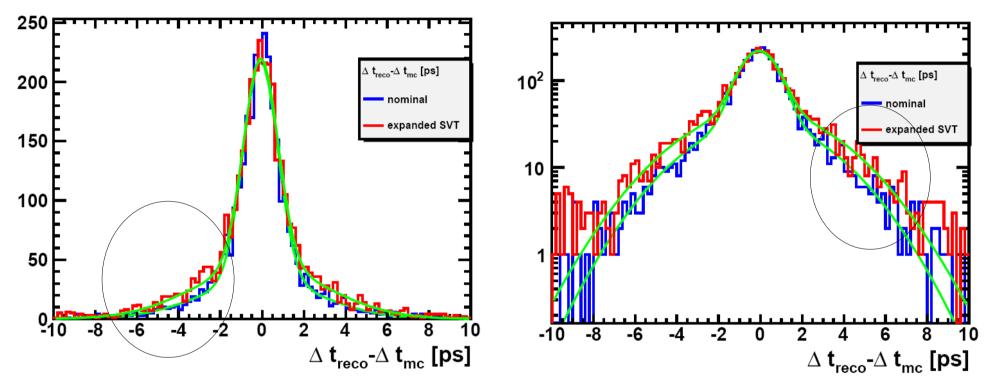
# Filling the gap between SVT and DCH

- Expand L4 and L5 up to maximum allowed:
  - Layer 4: 12.2->17.4
  - Layer 5: 14.2->20.2 (DCH S.T. is at 21.3cm)



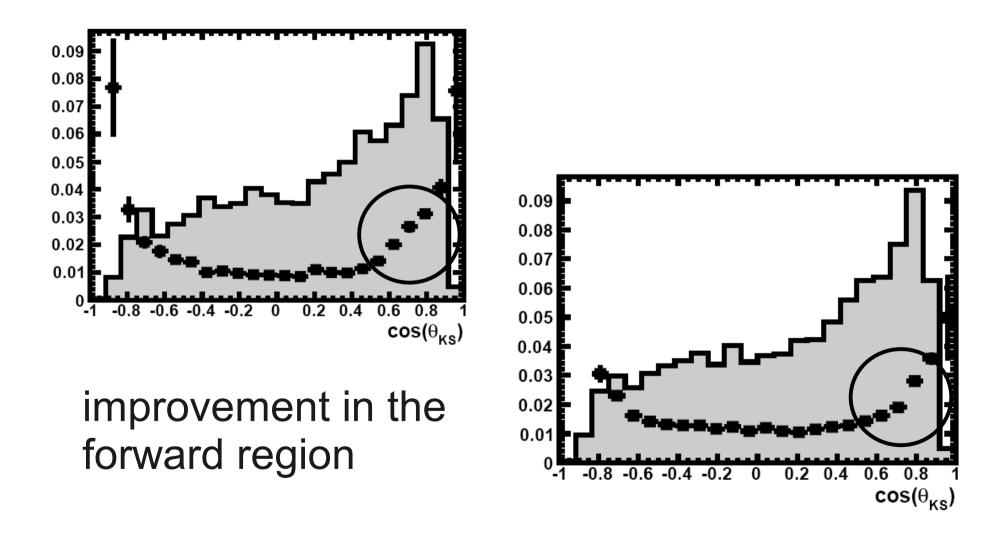


### ∆t resolution



 most of the additional events are populating mainly the tails of the resolution

### Angular dependence



# **Conclusions/Plans**

- Brief study of impact of SVT outer radius on benchmark channel
- Fraction of usable KS for time dependent study increases
- But additional events have worse resolution than average
- Acceptance in the forward region slightly improves
- More studies to be done