

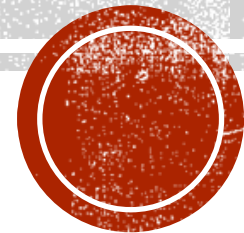
Particle production studies for pfRICH

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pfRICH meeting

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SIDIS IMPACT STUDY PLAN

1. Directly extract information from $\pi/K/p$ table
 - For each $\pi/K/p$ generate a random number
 - Based on the value accept K as K , or accept π/p as mis-identified K
 - Purity = true K / (all accepted K)
 - All accepted K are including contamination from mis-PID
 - Bins in p and η
 - Next week
2. More specific SIDIS oriented study
 - $dN/d\eta$ distributions of K in various (Q^2, y) or (Q^2, x) bins
 - Evaluate when and how many K fall into pFRICH acceptance
 - Can/will do the same for π and p
 - In combination with 1 will provide estimate on pFRICH importance for such studies
 - In 2 weeks
3. Reconstruction of Λ hyperon
 - Alternative to 2.

THANK YOU FOR ATTENTION