

Fraction of muons from diffractive VM production inside nHCAL

nHCAL meeting
Vincent Andrieux

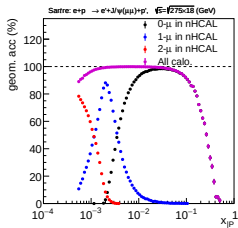
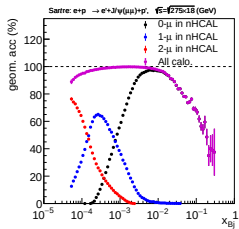
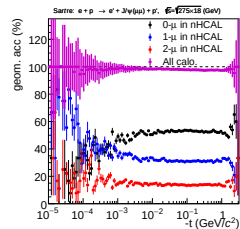
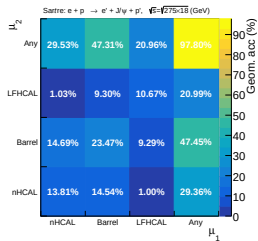
UIUC

23rd August 2024

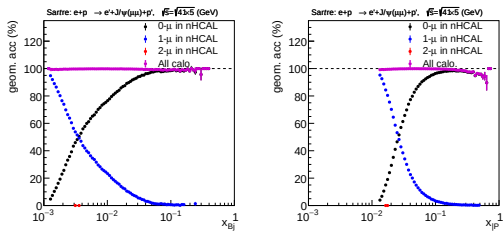
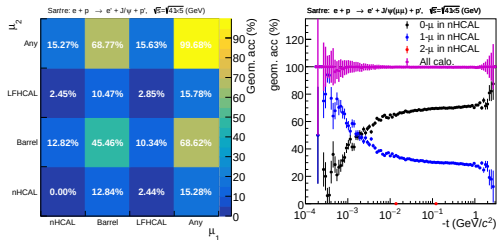


- Sartre 1.33
- nHCAL acc: $-4.05 < \eta < -1.2$
- Barrel acc: $-1.2 < \eta < 1.18$
- LFHCAL acc: $1.18 < \eta < 4.2$

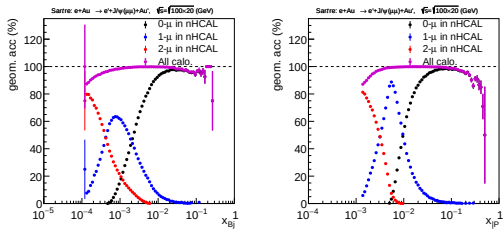
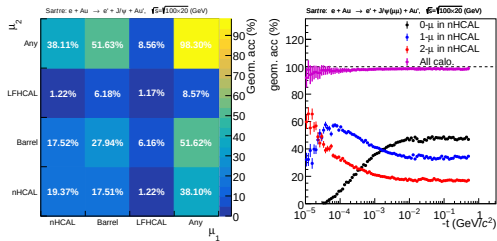
From $J/\psi \rightarrow \mu\mu$ in p-e 275×18



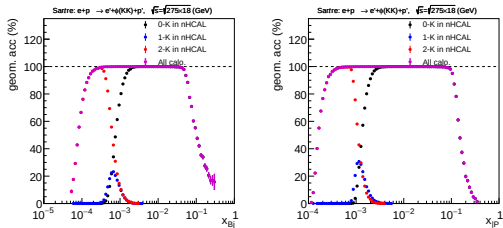
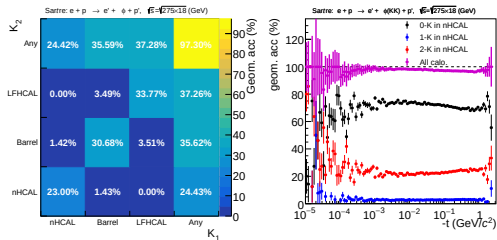
From $J/\psi \rightarrow \mu\mu$ in p-e 41×5



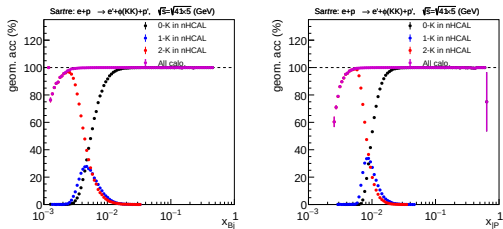
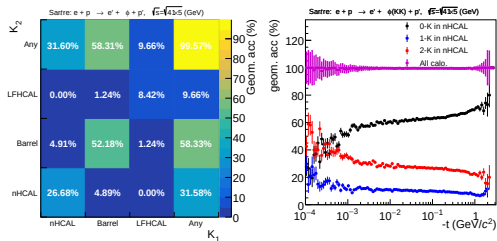
From $J/\psi \rightarrow \mu\mu$ in Au-e 100×20



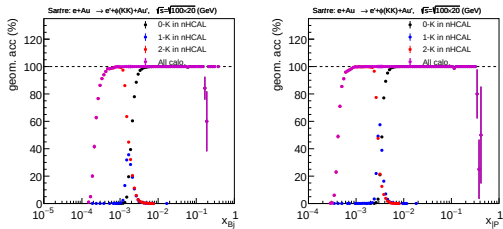
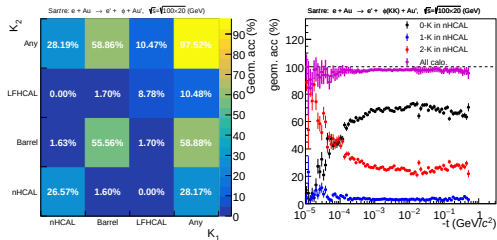
From $\phi \rightarrow KK$ in p-e 275 $\times$ 18



From $\phi \rightarrow KK$ in p-e 41×5



From $\phi \rightarrow KK$ in Au-e 100×20



BACKUP