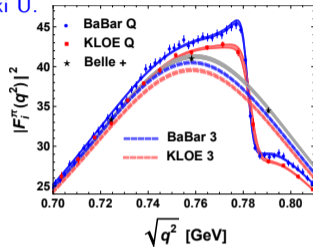
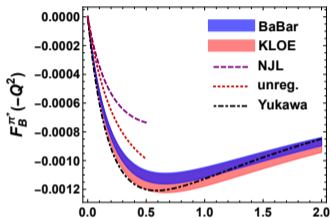
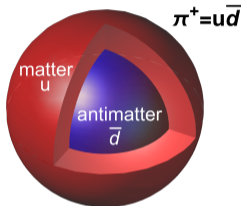
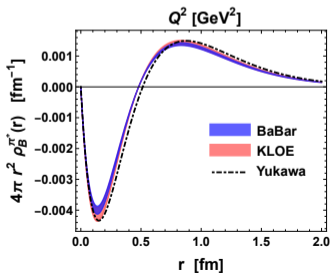


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$$J_B^\mu = \frac{1}{N_c} (\bar{u}\gamma^\mu u + \bar{d}\gamma^\mu d)$$



approach	$\langle r^2 \rangle_B^\pi$	
eff. Lagr.	$c(0.04 \text{ fm})^2$	$c \sim 1$
Yukawa	$(0.04 \text{ fm})^2$	
NJL	$(0.03 \text{ fm})^2$	
BaBar	$(0.041(1) \text{ fm})^2$	stat. err.
KLOE	$(0.041(1) \text{ fm})^2$	

- Fundamental feature of the pion, should end up in PDG Tables
- Lattice QCD prospects

Baryon form factor of $\pi^{0,+,-}$

$$\langle \pi_p^a | J_B^\mu(0) | \pi_{p+q}^a \rangle = (2p^\mu + q^\mu) F_B^a(q^2)$$

$F_B^a(q^2 = 0) = 0$ - no net baryon number

$F_B^0(q^2) = 0$ - charge conjugation

$F_B^+(q^2) = -F_B^-(q^2) \neq 0$ - $m_u \neq m_d$ /EM

$m_u = 2.01(14)\text{MeV}$, $m_d = 4.79(16)\text{MeV}$