

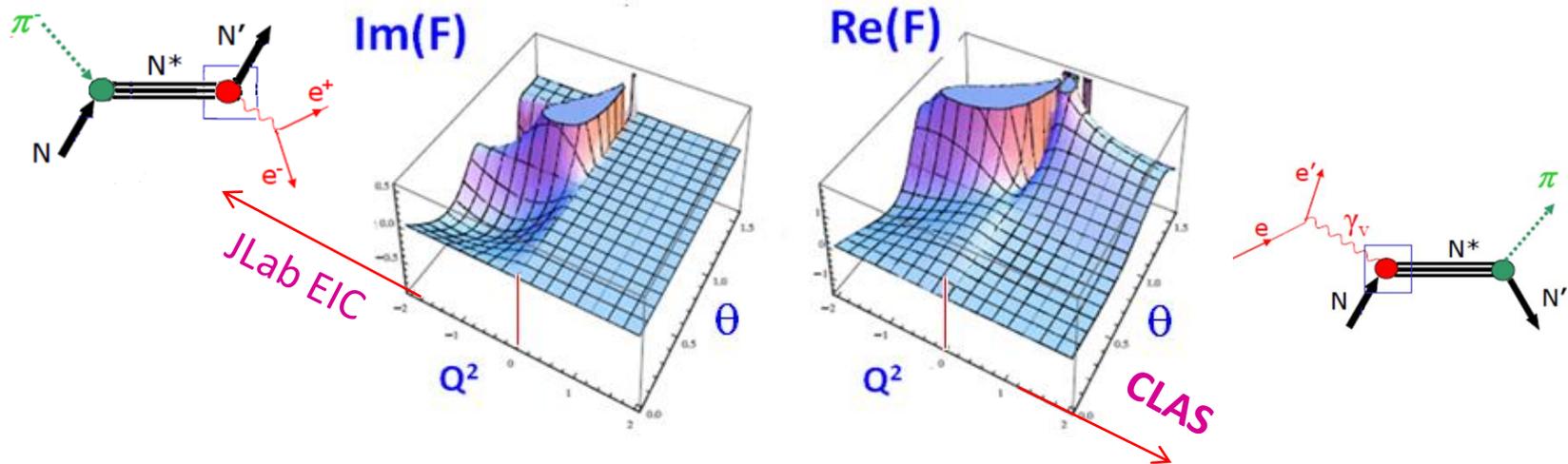
# Inverse Pion Electroproduction (IPE)

- IPE is the only process which allows the determination of **EM nucleon** & pion **formfactors** in the intervals

$$0 < k^2 < 4 M^2 = 3.53 \text{ GeV}^2$$

$$0 < k^2 < 4 m_\pi = 0.08 \text{ GeV}^2$$

which are kinematically unattainable from  $e^+e^-$  initial states.



- IPE  $\pi^-p \rightarrow e^+e^-n$  measurements will significantly complement the current **electroproduction**  $\gamma^*N \rightarrow \pi N$  study for the evolution of baryon properties with increasing momentum transfer by investigation of the case for the **time-like virtual photon**.

