$$\boxed{\textsf{VPF} \longleftrightarrow \textsf{(2-point) correlators}}$$

$$\Pi(q) = \int \mathrm{e}^{iqx} \langle\ J(x)\ J^{\dagger}(0)\ \rangle\ \mathrm{d}x, \quad J = \bar{\psi}\Gamma\psi$$

- directly related to such important observables as $R(s)$ as well as Z, W, Higgs and τ lepton decay rates ...
- main tools to study quark masses and the running of α^{EM}
- important applications within QCD sum rules method: (hadron and quark massess, coupling constants, etc.)
- ...