On the Application of Current Commutations Rules to Nonleptonic Decays.

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On p. 15, please substitute lines 13 to 19 with the following text:

Actually, to be consistent, we had to take the Hamiltonian in the Heisenberg picture. Now:

$${}_{\text{out}}\langle\alpha\pi|\beta\rangle_{\text{in}} = {}_{\text{out}}\langle\alpha\pi|S|\beta\rangle_{\text{out}},$$

S being the scattering matrix for all the interactions. But, to first order in the weak interactions, we can write

$${}_{\text{out}}\langle\alpha\pi|S|\beta\rangle_{\text{out}} = {}_{\text{out}}\langle\alpha\pi|S_{\text{weak}}|\beta\rangle_{\text{in}}$$

where the $\overline{\text{in}}$ (and out) states are defined with the weak interactions being switched off at any time.

$$S_{\text{weak}} = 1 - i \int d^4x \mathcal{H}_w(x)$$

with $\mathcal{H}_w(x)$ in the Heisenberg picture for the Wightman fields (all the interactions being switched off at $t = \pm \infty$: this corresponds to the interaction picture for the Dyson fields).