Questions

• Mikolaj Misiak:

What non-perturbative light-cone methods could be used to evaluate matrix elements of non-local operators between B-meson states that parametrize unknown contributions to the inclusive $B \to X_s \gamma$ rate? See Eq. (36) of arXiv:1003.5012 for the matrix element that is responsible for the dominant uncertainty in comparing theoretical predictions with measurements. Learning the value of the integral in Eq. (35) up to a factor of two, or even just its sign would already be a success.

• Stanislaw Glazek:

What are the counterterms required in the FF of QCD Hamiltonian that remove the small-x singularities as suggested in Phys. Rev. D 49, 6720 (1994) and what operators emerge then in the renormalized effective theory? Do they describe confinement?