

What is PMC ?

Choose renormalization scheme; e.g. $\alpha_s^R(\mu_R^{\text{init}})$

Choose μ_R^{init} ; arbitrary initial renormalization scale

*Identify $\{\beta_i^R\}$ – terms using n_f – terms
through the PMC – BLM correspondence principle*

order-by-order

Shift scale of α_s to μ_R^{PMC} to eliminate $\{\beta_i^R\}$ – terms

Conformal Series

Result is independent of μ_R^{init} and scheme at fixed order

PMC-BLM – one

Phys. Rev. Lett. **109**, 042002 (2012)

R_δ -scheme – two

Phys. Rev. Lett. **110**, 192001 (2013)

Eliminate β -terms