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## Pseudo-scalar decay constants on three-flavour CLS ensembles with open boundaries

*Tuesday, July 26, 2016 7:00 PM (1 hour)*

We determine the masses and the pseudo-scalar decay constants of charmed mesons using non-perturbatively  $O(a)$  improved Wilson quarks. Our analysis is based on the  $N_f = 2 + 1$  ensembles using open boundary conditions, generated within the CLS effort. The status of results for 2 lattice spacings,  $a \approx 0.086$  fm and  $a \approx 0.064$  fm, will be presented. The pion mass is varied from 420 to 220 MeV. This is part of a continuing analysis by the RQCD and ALPHA Collaborations, aiming at a stable continuum extrapolation using several lattice spacings. To extrapolate to the physical masses, we follow both, the  $(2m_l + m_s) = \text{const.}$  and  $m_s = \text{const.}$  line.

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