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## Static-light meson spectroscopy with optimal distillation profiles

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The spectrum of static-light and static-charm mesons is studied using optimized distillation in two different  $N_f = 3 + 1$  QCD ensembles with pion masses of  $m_\pi \approx 800$  MeV and  $m_\pi \approx 420$  MeV. Local and derivative-based operators are used to access states of multiple quantum numbers. The use of optimal profiles is shown to improve the overlap with the energy states compared to standard distillation.

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