Contribution ID: 49 Type: Invited

Light flavor vector mesons between 2 and 3 GeV at BESIII

Tuesday, 6 June 2023 14:00 (25 minutes)

At BESIII, the lineshapes of e+e-->phi eta', phi eta, KK, omega pi0, eta pipi, omega pipi are measured from 2.0 to 3.08 GeV, where resonant structures are observed in these processes. Multiple lineshapes of intermediate state are obtained by a partial wave analysis of e+e-->K+ K- pi0 pi0, K+K- pi0 and the structures observed provide essential input to understand the nature of phi2170. These results provide important information for light flavor vector mesons i.e. excited rho, omega and phi, for energy regions above 2 GeV.

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Track Classification: Light meson spectroscopy