

Dark Photon Study at BESIII

Friday 10 May 2024 15:00 (20 minutes)

With 10 billion $J\psi$ events, 2.7 billion $\psi(3686)$ events, and about 25 fb⁻¹ scan samples taken at center of mass energies from 3.7 to 4.95 GeV, the dark photon produced in e⁺e⁻ annihilation or hadron decay processes have been studied at BESIII. In this talk, we report the search for invisible dark photon using initial state radiation process, $J\psi$ Dalitz decays, and baryon decays.

Collaboration (if any)

BESIII

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Session Classification: 02-2 - 加速器暗物质/加速器中微子实验

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