

05 TWO-PHOTON PHYSICS

**$\gamma\gamma$  interactions with KLOE**

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**摘要** Studies of  $\gamma\gamma$  interactions are performed with the KLOE detector, without tagging of the outgoing  $e^+e^-$ . The data sample is from an integrated luminosity of  $240 \text{ pb}^{-1}$ . It was collected at the  $\phi$ -factory DAΦNE with  $e^+e^-$  beams colliding at  $\sqrt{s} \sim 1 \text{ GeV}$ , below the  $\phi$  resonance peak. We present preliminary results concerning the observation of the  $\gamma\gamma \rightarrow \eta$  process and the evidence for  $\gamma\gamma \rightarrow \pi^0\pi^0$  production at low  $\pi^0\pi^0$  invariant masses.

**关键词**  [\$e^+e^-\$  collisions](#), [pseudoscalar meson width](#),  [\$\pi\$  pair production](#)

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