

Abstract Submitted  
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**Study of the performance of the BaBar Detector using the  $e^+e^- \rightarrow \varphi\gamma$  control sample** NASIM BOUSTANI — BaBar uses control samples to study the detector behaviors, since their properties are well defined. A study of the energy deposited in the calorimeter will be presented using the control sample  $e^+e^- \rightarrow \varphi\gamma, \varphi \rightarrow K^+K^-$ . This study includes a comparison between data and Monte Carlo to see how well the behavior is simulated. A study of the kaon identification efficiency will also be shown.

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