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## Initial-state-radiation production of Ds Mesons and high precision measurements of Ds1(2536) at Babar

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A search for charmonium and other new states is performed in a study of exclusive initial-state-radiation production of  $D_s+D_s^-$ ,  $D_s+D_s^-$ , and  $D_s+D_s^-$  events from electron-positron annihilations at a center-of-mass energy of 10.58 GeV. The data sample corresponds to an integrated luminosity of 525 fb<sup>-1</sup> recorded by the BaBar experiment at the PEP-II storage ring. We also study the decay width and the mass of the Ds1(2536) meson with high precision via the decay channel  $D_s1(2536) \rightarrow D^+ K_0^0$  using 384 fb<sup>-1</sup> of data recorded by the BABAR experiment.

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