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### **Kişisel Bilgiler**

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### **Eğitim Bilgileri**

Doktora, University of Bristol, İngiltere 1993 - 1998

Yüksek Lisans, Bursa Uludağ Üniversitesi, Türkiye 1988 - 1991

Lisans, Bursa Uludağ Üniversitesi, Türkiye 1983 - 1988

### **Yaptığı Tezler**

Doktora, Avalanche Photodiodes for Proportional Photon Detectors, University of Bristol, Science, Physics, 1998

### **Araştırma Alanları**

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- XII. Evidence of a Resonant Structure in the  $\langle i \rangle e \langle /i \rangle \langle \sup \rangle + \langle / \sup \rangle \langle i \rangle e \langle /i \rangle \langle \sup \rangle - \langle / \sup \rangle \rightarrow \pi \langle \sup \rangle + \langle / \sup \rangle \langle i \rangle D \langle /i \rangle \langle \sup \rangle 0 \langle / \sup \rangle \langle i \rangle D \langle /i \rangle * \langle \sup \rangle - \langle / \sup \rangle$  Cross Section between 4.05 and 4.60 GeV**  
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- XIII. Determination of the Pseudoscalar Decay Constant  $\langle i \rangle f \langle \sub D_s \rangle \langle /i \rangle \langle \sup \rangle + \langle / \sup \rangle \text{ via } \langle i \rangle D \langle \sub s \rangle \langle /i \rangle \langle \sup \rangle + \langle / \sup \rangle \rightarrow \mu \langle \sup \rangle + \langle / \sup \rangle v \langle \sub \mu \rangle \mu \langle / \sub \mu \rangle$**   
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- XIV. Measurements of the absolute branching fractions and  $\langle i \rangle CP \langle /i \rangle$  asymmetries for  $\langle i \rangle D \langle /i \rangle$**

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 $\psi \rightarrow p\bar{p}$  over-bar $\eta'$   
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- XVII. Study of the  $D^0 \rightarrow K^+ K^- \mu^+ \mu^-$  dynamics and test of lepton flavor universality with  $D^0 \rightarrow K^+ K^- l^+ l^-$  decays**  
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- XIX. Evidence for the decays of  $\Lambda \rightarrow c \bar{c} + \eta$  and  $\Sigma \rightarrow c \bar{c} + \eta'$**   
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- XXI. Observation of  $e^+ e^- \rightarrow e^+ e^- \eta(2175)$  at center-of-mass energies above 3.7 GeV**  
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- XXII. Observation of OZI-suppressed decays  $\chi \rightarrow \omega \varphi$**   
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- XXIV. Measurement of the Absolute Branching Fraction of the Inclusive Semileptonic  $\Lambda \rightarrow c \bar{c}$  Decay**  
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- XXV. Beam offset impact on the polarization in the CLIC beam delivery system**  
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- XXVI. Measurement of the Branching Fraction For the Semileptonic Decay  $D^0 \rightarrow \pi^+ \pi^- \mu^+ \mu^-$  and Test of Lepton Flavor Universality**  
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- XXX. Measurements of absolute branching fractions for  $\Lambda c \rightarrow \Xi^0 K$  and  $\Xi(1530)^0 K$**   
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- XXXII. First measurement of  $e^- e^+ \rightarrow p\bar{K}$  above open charm threshold**  
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- XXXV. Measurement of  $e^+ e^- \rightarrow D(D)$  over-bar cross sections at the  $\psi(3770)$  resonance**  
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- XXXIX. **Measurement of the integrated Luminosities of cross-section scan data samples around the  $\psi(3770)$  mass region**  
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- L. **Study of  $\eta(1475)$  and  $X(1835)$  in radiative  $J/\psi$  decays to  $\gamma\varphi$**   
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- LI. **Measurements of the branching fractions of the singly Cabibbo-suppressed decays  $D^* \bar{D} \rightarrow \omega\eta$ ,  $\eta\eta'$ ,  $\pi\pi$  and  $\eta\eta'$**   
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- LVII. **Study of  $J/\psi$  and  $\psi(3686)$  decays to  $\pi^+\pi^-$**   
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- LIX. **Observation of  $\chi_{c2}$  production via  $\eta'\eta'$  and  $\chi_{c2}\eta\eta'$**   
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- LX. **Observation of the helicity-selection-rule suppressed decay of the  $\chi_{c2}$  charmonium state**  
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- LXI. **Search for the rare decays  $J/\psi \rightarrow D^+ \pi^-$ ,  $J/\psi \rightarrow D^0 \pi^0$ ,  $J/\psi \rightarrow e^+\nu_e$ ,  $J/\psi \rightarrow e^-\nu_e$ ,  $J/\psi \rightarrow \eta\eta'$ ,  $J/\psi \rightarrow \eta'\eta'$  and  $\psi(3686) \rightarrow D^+ \pi^-$ ,  $\psi(3686) \rightarrow D^0 \pi^0$ ,  $\psi(3686) \rightarrow e^+\nu_e$ ,  $\psi(3686) \rightarrow e^-\nu_e$ ,  $\psi(3686) \rightarrow \eta\eta'$ ,  $\psi(3686) \rightarrow \eta'\eta'$**   
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- LXIII. **Improved measurements of two-photon widths of the  $\chi_{c2}$  states and helicity analysis for  $\chi_{c2} \rightarrow \gamma\gamma$**

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- LXIV. **Search for the rare decay  $e^- \rightarrow e^- + \nu_e$**   
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- LXVIII. **Observation of the decay  $\Lambda_c \rightarrow \Sigma^+ \pi^- \pi^+ \pi^- 0$**   
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- LXX. **Evidence for  $e^-e^- \rightarrow e^-e^- -> \gamma\eta$  at center-of-mass energies between 4.01 and 4.60 GeV**  
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- LXXII. **Branching fraction measurements of  $\psi(3686) \rightarrow \gamma\chi_c^0$**   
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- LXXIII. **Measurements of cross section of  $e^+e^- \rightarrow e^+e^- -> p(p)\bar{\pi}^0$**   
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- LXXV. **Study of  $J/\psi$  and  $\psi(3686) \rightarrow \Sigma(1385)\bar{\Sigma}(1385)$  and  $\Xi(1385)\bar{\Xi}(1385)$**   
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- LXXX. **Evidence for the singly Cabibbo suppressed decay  $\Lambda \rightarrow p \eta$  and search for  $\Lambda \rightarrow p \pi^0$**   
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- LXXXIII. **Measurement of the absolute branching fraction for  $\Lambda \rightarrow \mu^+\mu^-$**   
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- LXXXVII. **Observation of  $\Lambda_c^+ \rightarrow n K^- S^0$**   
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- XCI. **Study of  $J/\psi$  and  $\psi(3686)$  decay to  $\Lambda(\Lambda)\bar{\Lambda}$  and  $\Sigma^0(\Sigma)\bar{\Sigma}$  final states**  
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- XCVI. **Determination of the number of  $J/\psi$  events with inclusive  $J/\psi$  decays**  
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- XCVII. **Measurements of the absolute branching fractions for  $D^- s^0 \rightarrow \pi^- \pi^+ \pi^-$**   
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- $\eta' e \rightarrow v e$  and  $D \rightarrow s$   
 $\Lambda_c \rightarrow \Lambda_c + \pi^+ \pi^-$  and  $\Lambda_c \rightarrow p K$   
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- XCVIII. Measurement of Singly Cabibbo Suppressed Decays  $\Lambda_c \rightarrow p \pi^+ \pi^-$**   
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- XCIX. Measurement of the absolute branching fraction of  $D_s \rightarrow (K/\bar{K})\pi^+$**   
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- CI. Measurement of the  $D_s \rightarrow l \nu$  branching fractions and the decay constant  $f_{D_s}$**   
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- CXXII. **Study of decay dynamics and  $CP$  asymmetry in  $D^+ \rightarrow K^+\pi^+\mu^+\nu_\mu$**   
 $\rightarrow e^+e^- \rightarrow K^+\pi^+\mu^+\nu_\mu$

**decay**

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- CXXIV. **Observation of a Neutral Structure near the  $\Lambda<sub>D</sub><math>\rightarrow (\Lambda<sub>D</sub>)^{*}$  Mass Threshold in  $\eta'<sub>D</sub><math>\rightarrow \eta'<sub>D</sub> + \pi<sub>D</sub>$**   
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- CXXXII. **Precision measurement of the integrated luminosity of the data taken by BESIII at center-of-mass energies between 3.810 GeV and 4.600 GeV**  
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- CXXXIII. **Search for  $\Lambda<sub>Z</sub><math>\rightarrow \omega<sub>Z</sub> + \pi<sub>Z</sub>$**   
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- CXXXIV. **Measurement of the matrix elements for the decays  $\eta \rightarrow \pi^+ \pi^- \pi^0$  and  $\eta/\eta' \rightarrow \pi^+ \pi^- \pi^0 \pi^0 \pi^0$**   
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- CXXXV. **Observation of the isospin-violating decay  $J/\psi \rightarrow \varphi \pi^+ \pi^- \pi^0$**   
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- CXXXVI. **Observation of the  $\Psi(1^3D_2) \rightarrow \pi^+ \pi^- \gamma \chi_c^0$  state at BESIII**  
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- CXXXVII. **Observation of the Dalitz decay  $\eta' \rightarrow \eta e^+ e^-$**   
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- CXXXVIII. **Searches for isospin-violating transitions  $\chi_c^0 \rightarrow \pi^+ \pi^- \eta$**   
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- CXXXIX. **Search for  $D \rightarrow \gamma \gamma$  and improved measurement of the branching fraction for  $D \rightarrow \pi^+ \pi^- \pi^0$**   
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- CXL. **Study of  $\chi_c^0 \rightarrow \varphi K^*(892) \bar{K}$**   
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- CXLI. **Measurement of the  $e^+ e^- \rightarrow \eta J/\psi$  cross section and search for  $e^+ e^- \rightarrow \pi^+ \pi^- J/\psi$**   
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- CXLII. **Measurement of the proton form factor by studying  $e^+ e^- \rightarrow p \bar{p}$**   
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- CXLIII. **Observation of the electromagnetic doubly OZI-suppressed decay  $J/\psi \rightarrow \varphi \pi^+ \pi^-$**   
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- CXLIV. **Measurement of  $B(\Psi(3770) \rightarrow \gamma \chi_c^0)$  and search for  $\Psi(3770) \rightarrow \gamma \chi_c^0$**   
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- CXLV. **Measurements of  $\psi(3686) \rightarrow K^+ K^-$  and  $\psi(3686) \rightarrow \gamma K^+ K^-$**   
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- CXLVI. **Measurement of  $y \chi_c^0$  oscillation using quantum correlations in  $e^+ e^- \rightarrow \pi^+ \pi^-$**   
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- $\langle \text{SUP} \rangle - \langle / \text{SUP} \rangle \rightarrow \langle i \rangle D \langle /i \rangle \langle \text{SUP} \rangle 0 \langle / \text{SUP} \rangle (\langle i \rangle D \langle /i \rangle) \text{over-bar} \langle \text{SUP} \rangle 0 \langle / \text{SUP} \rangle$  at  
 $\sqrt{\langle i \rangle s \langle /i \rangle} = 3.773 \text{ GeV}$   
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- CLI. Search for the  $\langle i \rangle Y(4140)$  via  $e^+e^- \rightarrow \eta\varphi J/\psi$  at  $\sqrt{\langle i \rangle s} = 4.23, 4.26$  and 4.36 GeV**  
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- CLII. Observation of  $Z \rightarrow e^+e^- \rightarrow \pi^+ \pi^- \eta$**   
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- CLIII. Observation and Spin-Parity Determination of the  $X(1835)$  in  $J/\psi \rightarrow \eta K^+K^-$**   
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- CLV. Search for the isospin violating decay  $\langle i \rangle Y(4260) \rightarrow J/\psi \eta\pi^0$**   
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- CLVI. Search for the weak decays  $\langle i \rangle J/\psi \rightarrow D^+ D^- \eta$**   
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- CLVII. Observation of  $\langle i \rangle e^+e^- \rightarrow \pi^+ \pi^- \eta$  and a Neutral Charmoniumlike Structure  $\langle i \rangle Z \rightarrow \eta\eta$**   
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- CLIX. Silicon tracker simulation for the Turkish Accelerator Center particle factory**  
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- CLXII. **Precision measurement of the mass of the  $\tau$  lepton**  
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.  
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- CLXIII. **Observation of  $\eta' \rightarrow \pi \langle sup \rangle + \langle /sup \rangle \pi \langle sup \rangle - \langle /sup \rangle \pi \langle sup \rangle + \langle /sup \rangle \pi \langle sup \rangle - \langle /sup \rangle$  and  $\eta' \rightarrow \pi \langle sup \rangle + \langle /sup \rangle \pi \langle sup \rangle - \langle /sup \rangle \pi \langle sup \rangle 0 \langle /sup \rangle \pi \langle sup \rangle 0 \langle /sup \rangle$**   
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- CLXIV. **Measurement of the branching fraction for  $\psi(3686) \rightarrow \omega \langle i \rangle K \langle /i \rangle \langle sup \rangle + \langle /sup \rangle \langle i \rangle K \langle /i \rangle \langle sup \rangle - \langle /sup \rangle$**   
Ablikim M., Achasov N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.  
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- CLXV. **Search for the radiative transitions  $\Psi(3770) \rightarrow \gamma \eta \langle i \rangle \langle sub \rangle c \langle /sub \rangle \langle /i \rangle$  and  $\gamma \eta \langle i \rangle \langle sub \rangle c \langle /sub \rangle \langle /i \rangle (2 \langle i \rangle S \langle /i \rangle)$**   
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- CLXVI. **Observation of electromagnetic Dalitz decays  $\langle i \rangle J/\psi \rightarrow \langle i \rangle Pe \langle /i \rangle \langle sup \rangle + \langle /sup \rangle \langle i \rangle e \langle /i \rangle \langle sup \rangle - \langle /sup \rangle$**   
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.  
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- CLXVII. **Measurement of  $\chi \langle i \rangle \langle sub \rangle cJ \langle /sub \rangle \langle /i \rangle$  decaying into  $\eta' K \langle sup \rangle + \langle /sup \rangle K \langle sup \rangle - \langle /sup \rangle$**   
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.  
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- CLXVIII. **Search for the rare decays  $J/\psi \rightarrow D \langle sub \rangle s \langle /sub \rangle \langle sup \rangle - \langle /sup \rangle \rho \langle sup \rangle + \langle /sup \rangle$  and  $J/\psi \rightarrow \langle (D) \text{over-bar} \rangle \langle (K) \text{over-bar}^* \rangle \langle sup \rangle 0 \langle /sup \rangle$**   
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- CLXIX. **Observation of a Charged Charmoniumlike Structure in  $e \langle sup \rangle + \langle /sup \rangle e \langle sup \rangle - \langle /sup \rangle \rightarrow (D^* \langle D \text{over-bar}^* \rangle \langle sup \rangle \pm \langle /sup \rangle \pi \langle sup \rangle \mp \langle /sup \rangle)$  at  $\sqrt{s}=4.26$  GeV**  
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- CLXX. **Precision measurements of  $\langle i \rangle B \langle /i \rangle (\langle i \rangle D \langle /i \rangle \langle sup \rangle + \langle /sup \rangle \rightarrow \mu \langle sup \rangle + \langle /sup \rangle v \langle sub \rangle \mu \langle /sub \rangle)$ , the pseudoscalar decay constant  $\langle i \rangle f_D \langle /i \rangle +$ , and the quark mixing matrix element  $| \langle i \rangle V \langle /i \rangle \langle sub \rangle cd \langle /sub \rangle |$**   
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., et al.  
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- CLXXI. **Amplitude analysis of the  $D \langle sup \rangle + \langle /sup \rangle \rightarrow K \langle sup \rangle 0 \langle /sup \rangle \langle sub \rangle S \langle /sub \rangle \pi + \langle sub \rangle \pi \langle /sub \rangle \langle sup \rangle 0 \langle /sup \rangle$  Dalitz plot**  
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Albrecht M., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., et al.  
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- CLXXII. **Observation of  $\langle i \rangle e \langle /i \rangle \langle sup \rangle + \langle /sup \rangle \langle i \rangle e \langle /i \rangle \langle sup \rangle - \langle /sup \rangle \rightarrow \gamma \langle i \rangle X \langle /i \rangle (3872)$  at BESIII**  
Ablikim M., Achasov M. N., Ai X. C., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., et al.

- PHYSICAL REVIEW LETTERS, cilt.112, sa.9, 2014 (SCI-Expanded)
- CLXXIII. **Observation of a Charged ( $\langle i \rangle D \langle /i \rangle (\langle i \rangle D \langle /i \rangle) \overline{\text{over-bar}}^*$ ) $\pm$  Mass Peak in  $\langle i \rangle e \langle /i \rangle + \langle /i \rangle e \langle i \rangle \langle /i \rangle - \langle /i \rangle \rightarrow \pi \langle i \rangle D \langle /i \rangle (\langle i \rangle D \langle /i \rangle) \overline{\text{over-bar}}^*$  at  $\sqrt{s} = 4.26 \text{ GeV}$**   
 Ablikim M., Achasov M. N., Albayrak O., Ambrose D. J., An F. F., An Q., Bai J. Z., Ferroli R. B., Ban Y., Becker J., et al.  
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- CLXXIV. **Study of  $e^+ + e^- \rightarrow p(p)\overline{\text{over-bar}}$  in the vicinity of the  $\psi(3770)$**   
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