

■ Publication List of Prof. Dr. Md Harunor Rashid Khan

List of Published Journal Papers

(chronological order of the publication date)

- 1) Study of the Shielding Properties of Polyethylene, heavy concrete and it's multilayer, With S.M.A Islam et al., Jahangirnagar Rev. PartA. **13-16** 95(1989-19992).
- 2) The monitoring system for the aerogel Cherenkov counter of the BELLE detector, M.H.R. Khan et al., Nucl. Instr. And Meth. A **413** 201(1998).
- 3) A Monte Carlo simulation study of charmless hadronic decays of B mesons in the BELLE experiment at KEK in Japan, M.H.R. Khan and M.R. Islam, Khulna Univ. Stud. **1(2)** 159(1999).
- 4) Silica aerogel Cherenkov counter for the KEK B-factory experiment, With T. Sumiyoshi et al., Nucl. Instr. And Meth. A **433** 385(1999).
- 5) Aerogel Cherenkov counter for the BELLE detector, With T. Iijima et al., Nucl. Instr. And Meth. A **453** 321(2000).
- 6) BELLE aerogel Cherenkov counter- A detector for particle identification, M.H.R. Khan, Khulna Univ. Stud. **2(2)** 275(2001).
- 7) Optical Fiber- Past, Present and Future: A Review, M.H.R. Khan and L. Yesmin, Khulna Univ. Stud. **3(1)** 399(2001).
- 8) η' production in B-meson decays: experimental inconsistency with theory Vs new Physics, M.H.R. Khan, Khulna Univ. Stud. **4(1)** 597(2002).
- 9) KEK-B Factory- An experimental study for CP violation, M.H.R. Khan, Khulna Univ. Stud. **4(2)** 732(2002).
- 10) A study on splicing losses in optical fiber communication system for BRWZ, With M.N.A.S Bhuiyan et al., Khulna Univ. Stud. **4(2)** 742(2002).
- 11) A Monte Carlo simulation study of B meson decay into ωK , M.H.R. Khan, Khulna Univ. Stud **5(1)** 1(2003).
- 12) Measurement of Φ_3 with Dalitz plot analysis of $B^\pm \rightarrow D^{(*)}K^\pm$ decay, With A. Poluektov et al., Phys. Rev. D **70**, 072003(2004).
- 13) Evidence for $B^0 \rightarrow \rho^0\pi^0$,

- With J. Dragic et al., Phys. Rev. Lett. **87**, 131802(2004).
- 14) Observation of $B^+ \rightarrow \Lambda \Lambda K^+$,
With Y. J. Lee et al., Phys. Rev. Lett. **93**, 211801(2004).
 - 15) Measurement of the Branching Fraction and CP Asymmetry in $B^+ \rightarrow \rho^+ \pi^0$,
With J. Zhang et al., Phys. Rev. Lett. **94**, 031801(2005).
 - 16) Observation of the decays $B^0 \rightarrow K^+ \pi^- \pi^0$ and $B^0 \rightarrow \rho^- K^+$,
With P. Chang et al., Phys. Lett. B **599**, 148(2004).
 - 17) Study of double charmonium production in e^+e^- annihilation at $\sqrt{s} \approx 10.6$ GeV,
With K. Abe et al., Phys. Rev. D **70**, 071102(R)(2004).
 - 18) Improved measurements of the partial rate asymmetry in $B \rightarrow hh$ decays,
With Y. Chao et al., Phys. Rev. D **71**, 031502(R)(2005).
 - 19) Study of $B^0 \rightarrow \rho^+ \pi^-$,
With C.C. Wang et al., Phys. Rev. Lett. **94**, 121801(2005).
 - 20) Evidence for direct CP violation in $B^0 \rightarrow K^+ \pi^-$ decays,
With Y. Chao et al., Phys. Rev. Lett. **93**, 191802(2004).
 - 21) Study of Time-Dependent CP Violation $B^0 \rightarrow J/\psi \pi^0$ Decay,
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 - 22) Search for the CP Violation in the Decay $B^0 \rightarrow D^{*+} D^+$,
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 - 24) Measurement of masses and branching ratios of Ξ_c^+ and Ξ_c^0 baryons,
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 - 25) Search for $D^0-\bar{D}^0$ Mixing in $D^0 \rightarrow K^+ \pi^-$ Decays and Measurement of Doubly-Cabibbo-Suppressed Decay Rate,
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 - 26) Observation of $B^+ \rightarrow K^+ \eta \gamma$,
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- 29)** Observation of $B^+ \rightarrow K_1(1270)^+ \gamma$,
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- 30)** Measurements of branching fractions and CP asymmetries in $B \rightarrow \eta h$ decays,
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- 33)** Dalitz analysis of the three-body charmless decays $B^+ \rightarrow K^+ \pi^+ \pi^-$ and $B^+ \rightarrow K^+ K^+ K^-$
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- 34)** Observation of Near-Threshold $\omega J/\psi$ Mass Enhancement in Exclusive $B \rightarrow K \omega J/\psi$ Decays,
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- 35)** Observation of an Isotriplet of Excited Charmed Baryons Decaying to $\Lambda_c^+ \pi$,
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With J. Schumann et al., Phys. Rev. D **72**, 011103(R)(2005).
- 37)** Branching fraction, polarization and CP-violating asymmetries in $B^0 \rightarrow D^{*+} D^{*-}$ decays,
With H. Miyake et al., Phys. Lett. B **618**, 34(2005).
- 38)** Search for $\tau \rightarrow e \gamma$ decay at Belle,
With K. Hayasaka et al., Phys. Lett. **613**, 20(2005).
- 39)** Evidence for $B^0 \rightarrow D^+ D^-$ and observation of $B^- \rightarrow D^0 D^-$ and $B^- \rightarrow D^0 D^{*-}$ Decays,
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With Y. Enari et al., Phys. Lett. B **622**, 218(2005).
- 47) Observation of $B^+ \rightarrow p\bar{\Lambda} \gamma$,
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- 48) Study of the baryon-antibaryon low-mass enhancements in charmless three-body
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- 105)** Measurement of the mass of τ lepton and an upper limit on the mass difference τ^+ and τ^- ,
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- 107)** Measurement of EPR-type flavour entanglement in $Y(4S) \rightarrow B^0 \bar{B}^0$ decays,
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- 110)** Determination of Elution Profile of a Radionuclide Generator System $^{99}\text{Mo}/^{99\text{m}}\text{Tc}$
Accepted for Publication in IJBSSR.
- 111)** Exotic Behavior of the $Y(5S)$ Resonance Decay Products in e+e-Collider
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