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Applications of AdS/CFT in Quark Gluon Plasma

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CURRICULUM VITAE

I was born on 30th August 1979 in Medan, Indonesia. I spent my junior and senior high school from 1991 to 1997 in Jakarta, Indonesia.

I started my Bachelor program at Informatics Department of College of Technology Telkom (STT Telkom) in 1997 and a year later I entered another Bachelor program at Physics Department of Bandung Institute of Technology (ITB), Indonesia. For my final projects, I worked on parallel computing (STT Telkom) and quantum computer (ITB). I obtained my degrees from STT Telkom in 2002 and from ITB in 2003. I continued my study for a Master program at Physics Department of ITB in 2003 and obtained my degree in 2005. I did my master thesis on magnetic monopole. Later on, I went to The Abdus Salam ICTP in Italy for one year Diploma program at High Energy Physics in 2005. I wrote a thesis in AdS/CFT correspondence under supervision of Prof. K.S. Narain.

In 2006, I came to the Netherlands to start my four years PhD program in theoretical physics under supervision of Dr. Koenraad Schalm. I did my first year at University of Amsterdam and then continued the rest of the years at University of Leiden. My works were mostly about applications of AdS/CFT correspondence to various phenomena in Quark Gluon Plasma.

LIST OF PUBLICATIONS

- Atmaja, A. N. and Schalm, K. "Photon and Dilepton Production in Soft Wall AdS/QCD". ITFA-2008-02. arXiv:0802.1460 [hep-th]. Published in JHEP 1008:124, 2010.
- Atmaja, A. N., Boer, J. de , and Shigemori, M. "Holographic Brownian Motion and Time Scales in Strongly Coupled Plasmas". ITFA-2010-06. arXiv:1002.2429 [hep-th]. To be published in Nuc. Phys. B.
- Atmaja, A.N. and Schalm, K. "Drag Force in 4D Kerr-AdS Black Hole". work in progress.

