



Korea-CMS Activities and Plan



- Korea-CMS representative: Young-II Choi @ SKKU
- 6 CMS member institutes are active:
12 professors, 10 researchers, 26 graduate students,
4 technicians
- K-CMS collaboration meetings: 2
- (Mini) Workshops with theorists: 4-6
- Evaluation at the end of the March 2009
- Total 0.75MCHF research fund in 2008
 - Subsistence allowance for researchers and students @ CERN
 - Travel expenses
 - CMS Korean office computing facilities
 - K-CMS collaboration meetings, Workshops
etc...

Korea-CMS Universities

Active Member Universities

- Chunnam National University(CNNU): J.Y. Kim
- Korea University(KU): B.K. Hong, S.K. Park, K.S. Sim
- Konkuk University(KKU): S.K. Oh
- Kyungpook National University(KNU): D.H. Kim, K.N. Kim, D.C. Son
- Sungkyunkwan University(SKKU): Y.I. Choi, S.Y. Choi, I.T. Yu
- University of Seoul(UOS): I.C. Park

Research Group Activities in 2008

- Lepton group

<Muon software validation package>

Professor: I.T. Yu

Student: J.H. Go

<Muon reconstruction efficiency measurement & Cosmic-ray beam test>

Professor: Y.I. Choi, S.Y. Choi

Researcher: C.W. Park

H.K. Seo - Tier0 DQM, cosmic-ray beam test @CERN

Student: J.S. Lee, S.E. Lee, H.Y. Jung

<ECAL beam test & shower shape analysis for electron identification>

Professor: D.H. Kim

Researcher: D.J. Gong , J.E. Kim

Student: S.H. Jang, A. Khan

- RPC group

<RPC gap & chamber production>

Professor: S.K. Park

Researcher: K.S. Lee

Technicians: Y.K. Jung, M.H. Kang, K.J. Son

Students: H.S. Lee, S.W. Jo

- Tier2 Center & DAQ & Analysis group

<MC generation & Extra dimension models>

Professor: K.N. Kim, D.C. Son, J.Y. Kim, S.K. Oh

Researcher: K.S. Kim, M.W. Lee, H.K. Park

J.H. Jung – RS graviton study ($G \rightarrow ZZ \rightarrow 4\mu$) @CERN

S.Y. Ro – Higgs to b quark pairs @CERN

Student: J.H. Kim, S.H. song, S.E. Ahn, J.W. Seo, A.Y. Heo, Yuspov

Technician: D.H. Han

- Heavy Ion group

<HI Computing & Tier3 computing at UoS>

Professor: I.C. Park

Student: Y.S. Kim, H.Y. Kim, C.Y. Lee, J.W. Park

<Quarkonia study in HI and level 3 trigger study>

Professor: K.S. Shim

Student: D.H. Moon

<B meson production via the secondary J/psi & b-jet tagging study>

Professor: B.S. Hong

Student: H.C. Kim, J.H. Kim

*** DQM project (Tier0 @ CERN)

Professor: I.C. Park

Researcher: H.K. Seo

Student: M.K. Choi, G.R. Han

Korea-CMS LCG Status

- * Korea-CMS Tier2 center @KNU
(No hardware money, only for operation money)
- * Tier2 center MoU in October RRB meeting
- * Operation money in 2009