



Korea-CMS Activities and Plan



- Korea-CMS representative: Young-II Choi @ SKKU
- 6 CMS member institutes + 2 non-member institutes are active:
15 professors, 19 researchers, 20 graduate students
- UoS (University of Seoul) wants to be member institute by replacing SNUE (Seoul National University of Education)
- Korean collaboration meetings: 2/year
- Workshop with theorists: 2/year
- Evaluation at the end of the March 2008
- Total ~1 MCHF research fund in 2007 =>
 - Subsistence payments for researchers and graduate students
 - Travel expenses
 - CMS Korean office computing facilities for long term visitors
 - 7 RE1/1 chambers production for hi eta RPC R&D
 - Overhead
 - etc...

Korea-CMS Universities

Member Universities

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

Non-member Universities

- Chunpook National University(CPNU): E.J. Kim (with US)
- University of Seoul(UOS): I.K. Park

Research activities in 2007

- Lepton group (S. Choi, Y. Choi, D. Kim, E. Won, I. Yu)
 - muon identification
 - muon software validation package
 - muon reconstruction efficiency measurement
 - muon high level trigger efficiency measurement
 - ECAL beam test & shower shape analysis for electron id.
- RPC group (S. Park, J. Rhee)
 - RPC gap & chamber production
- DAQ & Analysis group (K. Kim, J. Kim, S. Oh, D. Son)
 - On-line DAQ farm system
 - MC generation & extra dimension models
 - Search for SM Higgs: gg, qq -> bbh mode
- Heavy Ion group (E. Kim, I. Park, K. Shim, B. Hong)
 - Tier 2 center preparation at UoS
 - muon reconstruction for heavy ion physics
 - b-jet tagging in heavy ion collisions
 - Gamma-jet study
 - B meson production via the secondary J/psi

Korea-CMS LCG Status

* Candidates for Korea-CMS Tier 2 center

(No hardware fund, only for operation fund)

1. KNU(Kyungpook National University)
2. UOS(University of Seoul)
3. KISTI(Korea Institute of Science and Technology Information)

- Submit the proposal till the end of this year
- Review the proposal till the end of February 2008
- Choose the Tier 2 center in March

* Korea-CMS Tier 2 center will be selected
before the next RRB meeting in April 2008.