



Korea-CMS Activities and Plan



- Korea-CMS representative: Young-II Choi @ SKKU
- Total 13 member institutes + 3 non-member institutes
- 16 professors, 20 researchers, 21 full time graduate students from <6 member institutes + 3 non-member institutes> will be active this year.
- 7 professors from member institutes are inactive but preparing.
- Total ~1 MCHF (including overhead) research fund in 2007 =>
 - Subsistence payments for researchers and graduate students
 - Travel expenses
 - CMS Korean office computing facilities for long term visitors etc...

Research Plan for 2007

- Preparation for physics run startup
 - KU(E.I. Won): muon high level trigger study (MU + MET)
 - SNU(H.S. Kim): preparation for physics commissioning (Z->mumu, W->munu)
 - SKKU(I.T. Yu): measurement of performance of the muon reconstruction
 - SKKU(S.Y. Choi): muon identification
 - SKKU(Y.I. Choi): preparation for physics commissioning (Z->mumu, J/psi->mumu)
- Online DAQ Farm (KNU: D.C. Son)
- Search for W' & B_s rare decay modes (KNU: D.H. Kim)
- Study of MC generation & extra dimension models (KKU: S.K. Oh)
- Background study for search of excited graviton (CNU: J.W. Kim)
- Forward RPC M & O (KU: S.K. Park, S.J. Hong), KKU(J.T. Rhee)
- Heavy Ion: CMSSW installation (KU: B.S. Hong)
- Heavy Ion: charmonium and bottomonium study in high Pt (KU: K.S. sim)
- JET finding library & JET/MET study (KU: I.K. Park)
- ZDC(zero degree calorimeter) for the heavy ion physics (E.J. Kim with US)

Korea-CMS Universities

Member Universities

- Chunnam National University(CNNU): J.Y. Kim, I.K. Lim*
- DongShin University(DSU): M.Y. Pac*
- Jeju University(JU): Y.J. Kim*
- Kangwon University(KU): S.K. Nam*
- 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, W.Y. Kim*
- Seoul Natioanl University(SNU): S.B. Kim*
- Sungkyunkwan University(SKKU): Y.I. Choi, S.Y. Choi, I.T. Yu
- Seonam University(SU): S.J. Lee*
- Chungpook National University(CHPNU): Y.E. Kim*

Non-member Universities

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

* They did not apply for the research fund this year.

Korea-CMS LCG Status

- * Options for Korea-CMS Tier 2 center

(No hardware fund available, possibly for operation only)

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

- * Korea-CMS Tier 2 center will be decided

before the next RRB meeting in October 2007.