

KoALICE 2012-1

Report

In-Kwon Yoo

Pusan Nat'l Univ.

- ALICE Physics & Detector
- ALICE Collaboration
- KoALICE Collaboration
 - Members
 - Activities
 - Budgets
 - Meeting & Workshops
- Outlook in 2012

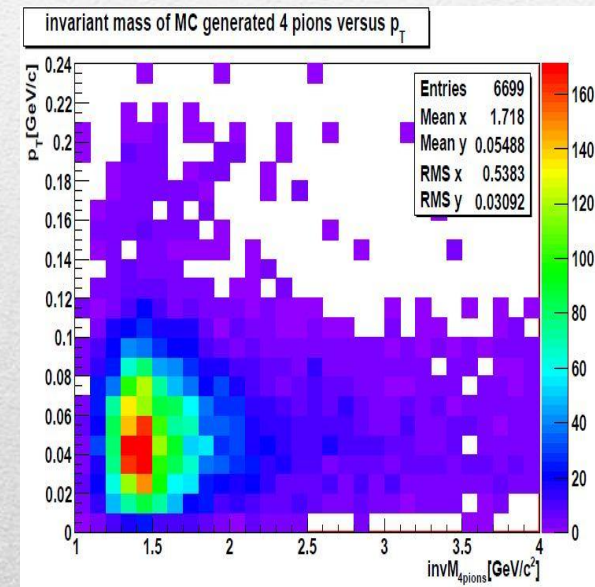
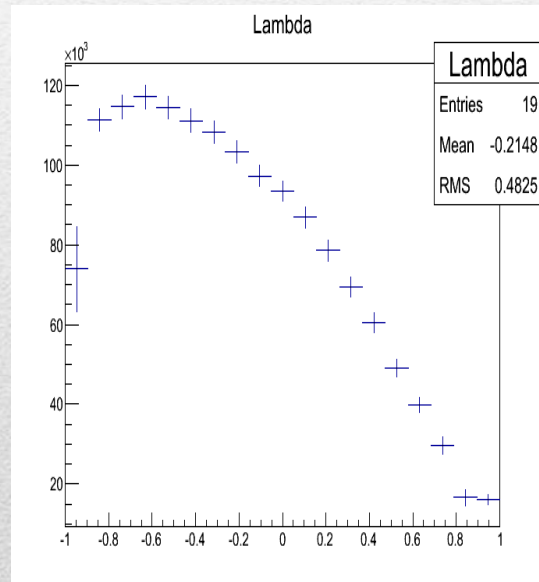
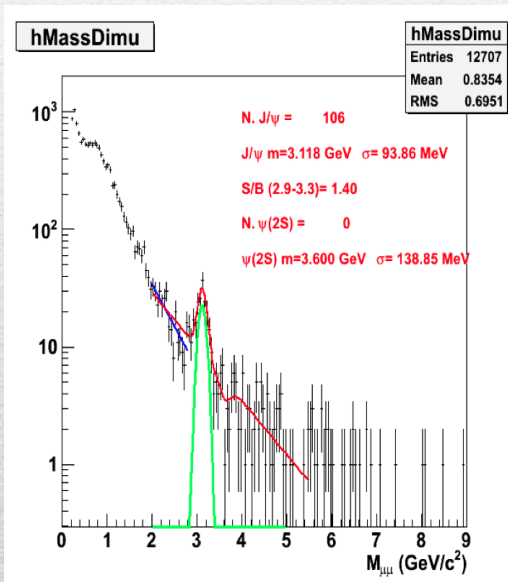
Outline

KoALICE Members

- Total : 38 Participants (11 PhDs, **11** PhD St., 7 MA St., **2** MA, 2 UG St.)
 - Gangnung-Wonju National University* : **5** PhDs, **2** PhD St., **3** MA St.
 - Pusan National University : 2 PhDs, **3** PhD St., **2** MA St., **2** UG St. 1 Sec.
 - Sejong University : 2 PhDs, 0 PhD St., **1** MA St., 1 MA
 - Yonsei University : 2 PhDs, **6** PhD St., **1** MA St., **0** UG St.
- Long-stay at CERN : 4 Profs, **7** PhDs, **6** PhD St., **1** MA St.
- Short-stay at Korea : 2 Profs, 1 PhD St., 0 MA St., 0 UG St.
- **1 PhD St. + 5 MA St. increased since 2011**

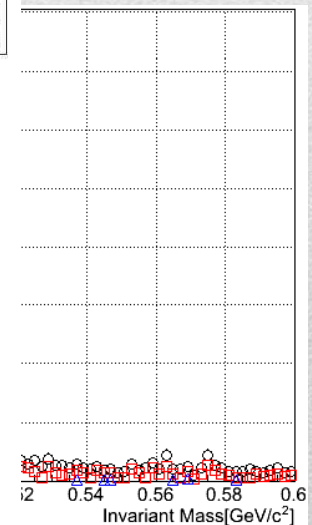
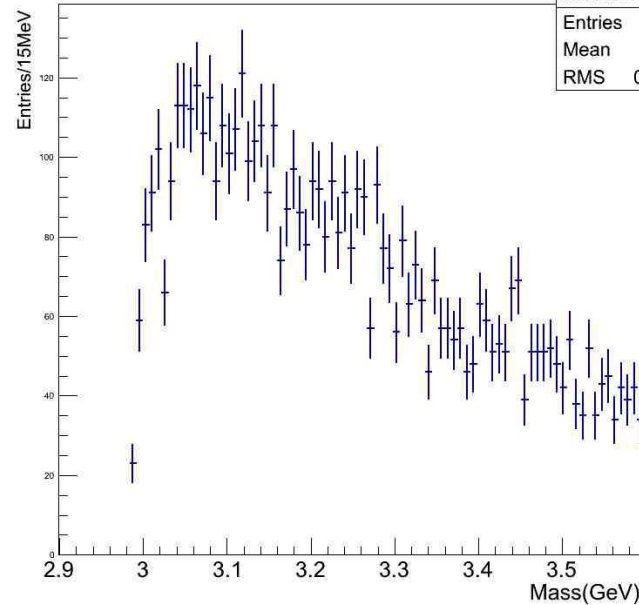
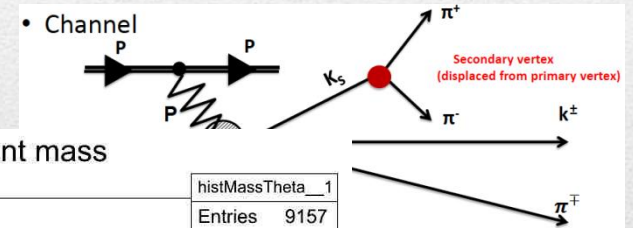
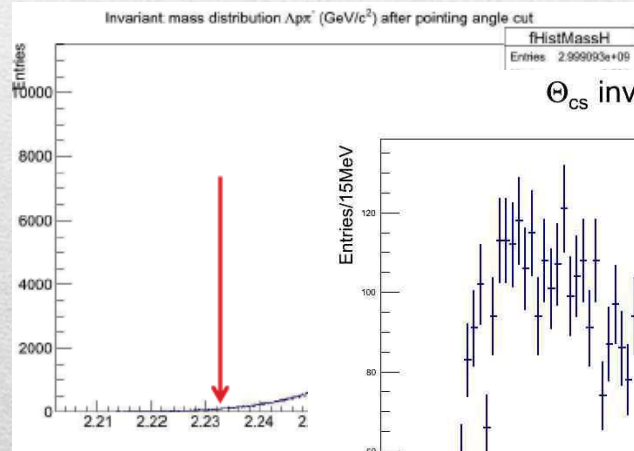
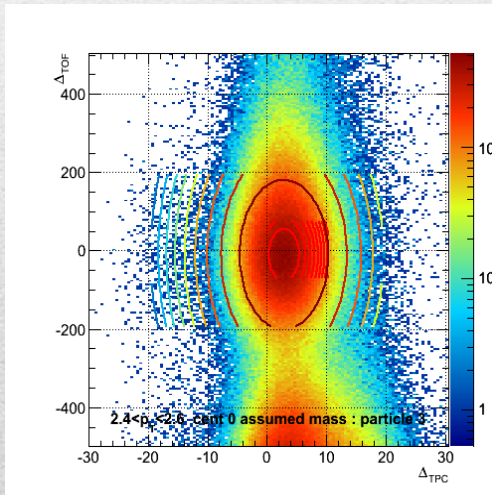
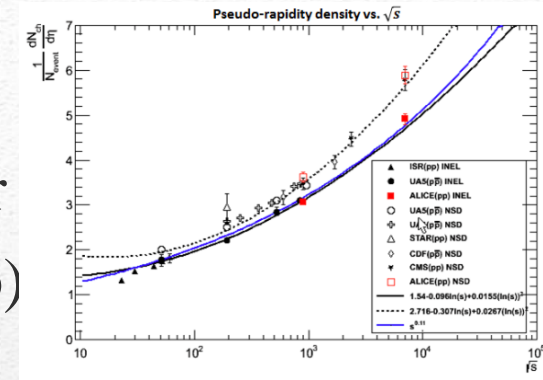
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- ToF M&O + VHMPID DCS/PVSS
- Muon Trigger Coordinator
- V0, J/Psi Particle Reconstruction
 - Anisotropy study (Angular Correlation)
- Pomeron study in $pp \rightarrow 4\pi$



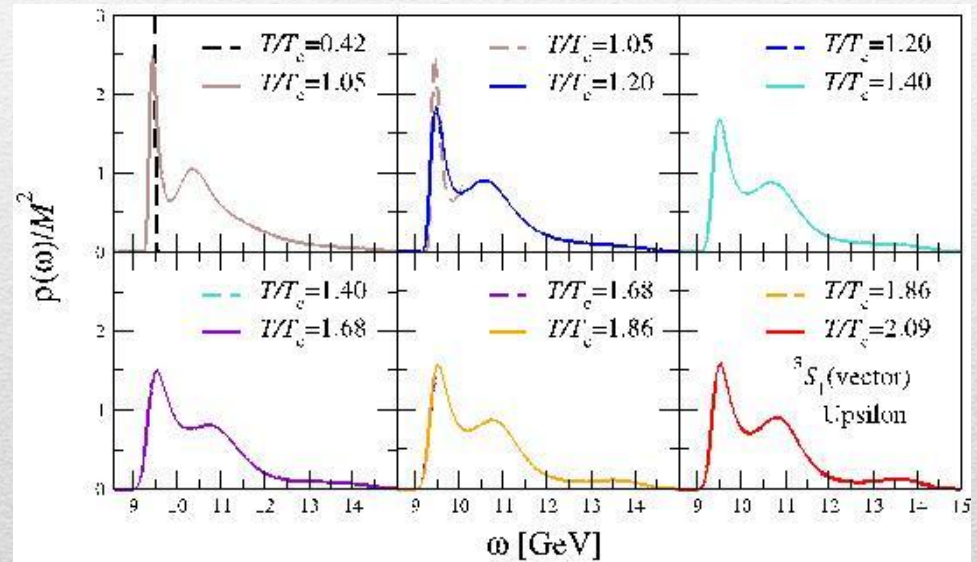
Activities 1 (KWNNU)

- $dN/d\eta$ Yield in pp (paper contr.)
- Jet effects on Flow / PID Improvements for
- Diffractive Physics (Double Pomeron in pp)
- H-Dibaryon, $\Theta_{CS} \rightarrow \Lambda D$

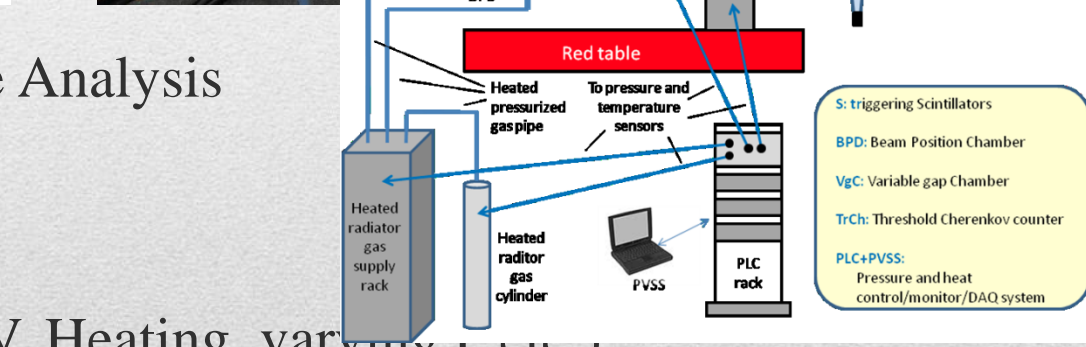
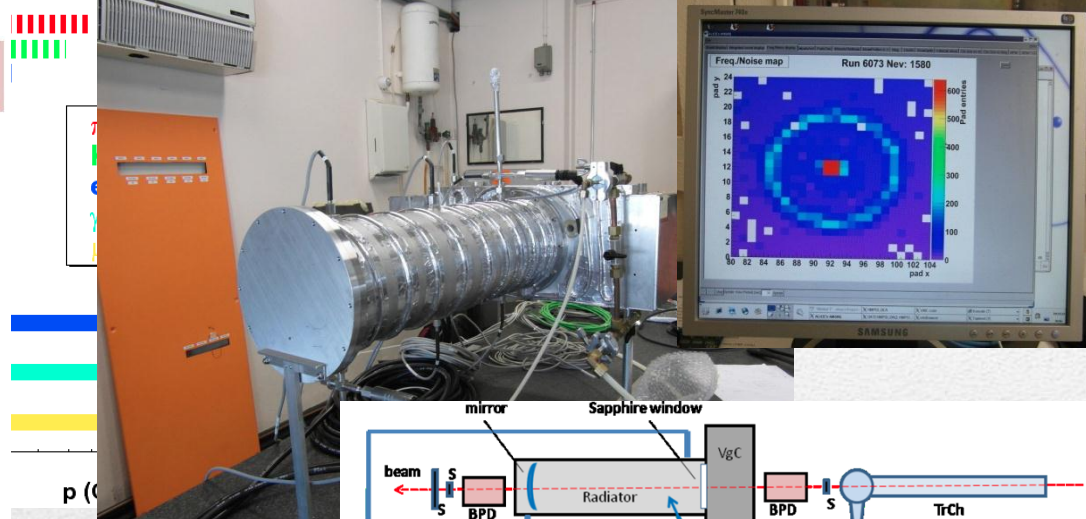
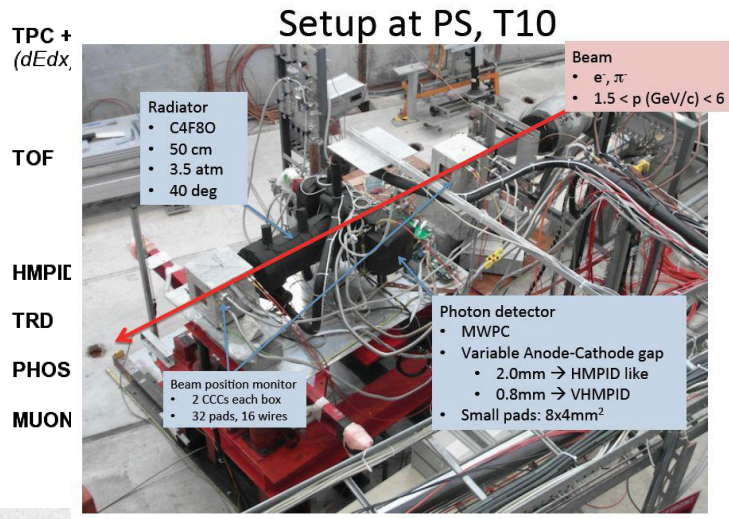


Activities2

- Strong Interaction between Hadrons
 - Anisotropy of Lambda-Antilambda pair
 - Excitation states of Upsilon in QGP-temperature
- ALICE computing (Tier3)



Activities3 (Sejong)



- Detector Performance Analysis
- M&O
- VHMPID R&D
 - Beam Tests (spill, HV, Heating, varying p etc.)
- HBT Analysis using HMPID data (just begun)

Activities4 (PNU)

- Budget 2012 Total : 720 MKRW (550+170)
 - 470M (CERN) + 209M (PNU) + 41M (OH)
 - Labor Cost (102M) + Subst.(311M) + R&D (110M) + M&O-A(60M)
 - 38% done (R&D 110M 0%, ordered, not paid yet)
 - Rest 96M for : domestic, conf., manag. etc.
 - 20k CHF reserved for a post-doc.

KoALICE Budget 2012

- KoALICE STC
 - 2012-06-15 : Budget plan, Screening
 - 2012-08-21 : Evaluation (M&O-A)
 - 2012-09-07 : Check Rest budget and Project (Report), next PI election, Upgrade plan, A new inst. expected
- LHC Workshop at Konkuk U.
- HIM
- KoALICE Group Meetings at CERN/EVO : Chair + Report
- Annual KoALICE Workshop in Feb. 2013

KoALICE Meetings

- Management
 - Recruit : A new PostDoc 1 (24M reserved)
 - R&D Contribution (110M reserved)
 - M&O-A : 60M
 - ATHIC 2012 at Pusan
- Data Analysis :
 - V0, Particle yields, PROOF, Antiparticles
 - Fixing and Merging needed
- ALICE Upgrade Project : Silicon OR VHMPID
 - Fixed in Sep. (???)
 - Fine Tuning of the contributions

Outlook in 2012-2

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