

Schedule for Teacher Workshop (April 24 -26, 2012)

Global Plaza, Kyungpook National University

1st Day (April 24): (09:00 – 18:00)

09:00- 12:00

Welcome/Intros

Logistics: schedule, meals, etc

Cosmic ray science lecture <-- CR scientist

QuarkNet overview: "The Whats and Whys" <-- QN staff

12:00 – 13:00: Lunch Time

13:00 – 18:00

Cosmic Ray Muon Detector: hardware components

Assemble CRMD: assist by QN staff

four teams --> assemble four counters

one team --> plan DAQ/GPS placement

Plan study type: distributed array?
stacked or array?

Measure GEOMETRY

Data-taking: 'hyperterm' procedure

Plateauing Discussion (if time)

Take CR data: overnight

2nd day (April 25): (09:00 – 18:00)

09:00 – 12:00

Debrief

Cosmic Ray e-Lab overview

e-Lab login: verify accounts

Manage accounts: create student groups, change password

Tour e-Lab: Teacher side; Student side

Teacher: Learning Objectives, Community

Student: Cool Science, Library, Upload, Data, Posters

12:00 – 13:00: Lunch Time

13:00 – 18:00

CRMD data UPLOAD: overnight data

PERFORMANCE analysis tool

Load GEOMETRY

FLUX, SHOWER analysis tools

Team CR investigation: FLUX, SHOWER --> write shared POSTER

3rd day (April 26): (09:00 – 17:00)

09:00 – 12:00

Debrief

Work time: Teams

Implementation Plan: classroom approach

12:00 – 13:00: Lunch Time

13:00 – 17:00

POSTER presentations

Future plans for group: CRMD data-taking, coordinate research,

CRMD rotation schedule

Wrap-up

18:00 – 21:00

Banquet (18:00 -21:00) : Hotel Inter-Brugo EXCO