

FKPPL Project application (2013)

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| ID: Title | | | | | | |
|-----------------------------|----------------------------|-------|-------------|------------------------------|-------|---------------------|
| List of participants | French Group | | | Korean Group | | |
| | Name | Title | Affiliation | Name | Title | Affiliation |
| | Leader: Dupieux, Pascal | Dr. | LPC-IN2P3 | Leader: Baek, yongwook | Dr. | GWNU & LPC-IN2P3 |
| | Rosnet, Philippe | Pr. | LPC-IN2P3 | Lee, Sungchul | Pr. | GWNU |
| | Crochet, Philippe | Dr. | LPC-IN2P3 | Kim, Do-Won | Pr. | GWNU |
| | Lopez, Xavier | Dr. | LPC-IN2P3 | Oh, Sunkun | Pr. | Konkuk |
| | Portboeuf, Sarah | Dr. | LPC-IN2P3 | Kong, Byungyun | M.S. | Konkuk |
| | Barret, Valerie | Dr. | LPC-IN2P3 | | | |
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| Requested LIA specific funding from France | | | | |
|--------------------------------------------|-------------|-------------|---------------|-----------------|
| Description | Euro/unit | Nb of units | Total (euros) | Requested to: * |
| Post-Doc YongWook Baek | 5,4/month | 9 | 48,600 | IN2P3 |
| Visit to Korea (*1 pers.) | 150/day | 5 | 750 | IN2P3 |
| Travels to Korea (*1 pers.) | 1250/travel | 1 | 1250 | IN2P3 |
| | | | | |
| Total | | | | |

| Requested funding from Korea | | | | |
|------------------------------|-----------|-------------|-------------|------------------|
| Description | Won/Unit | Nb of units | Total (Won) | Requested to: ** |
| Post-Doc BAEK YongWook | 4,600,000 | 3 | 13,800,000 | KISTI |
| Stay at CERN KONG Byungyun | 2,875,000 | 2 | 5,750,000 | NRF |
| Visit (10 days) CERN-Korea | 1,610,000 | 2 | 3,220,000 | NRF |
| Travel CERN-Korea | 1,725,000 | 2 | 3,450,000 | NRF |
| | | | | |
| Total | | | 26,220,000 | |

| Additional funding | Additional funding from France | | | Additional funding from Korea | | |
|---------------------------|---------------------------------|--------|------|-------------------------------|--------|-----------|
| | Provided by or requested to *** | Type | Euro | Provided by or requested to | Type | Won |
| | LPC | Equip. | 1000 | KISTI | Equip. | 1,150,000 |
| | | | | | | |

* For example: IN2P3, CEA. ** Korean University or Institute. *** French Embassy, CNRS

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| Summary of Project | <p>ALICE is the detector devoted to the Physics of heavy ion collisions at LHC. The “ALICE MUON” project in the framework of this LIA is a collaboration, between Korea and France, on the Trigger System of the ALICE Muon Spectrometer (MTR, for Muon TRigger) as well as on the Physics program with the Muon Spectrometer. The Physics program with the Muon Spectrometer is focused on open heavy flavor and quarkonia measurements, with the goal of characterizing the properties of the so-called quark gluon plasma (QGP) phase of nuclear matter at extremely high energy density. On the experimental side, the MTR is now completely installed, fully commissioned and operational. It was operated successfully with a very high data taking efficiency all along 2010-2012 with various LHC beams and energies.</p> <p>Since 2008, the common work of run coordination (and detector expertise) for MTR has been carried out by Dr Baek, attached to the LPC Clermont-Fd but on site at CERN. This work is done in close collaboration with the MTR project leader (Dr. Pascal Dupieux from LPC Clermont-Fd) and the groups of LPC Clermont-Fd, INFN Torino and Subatech Nantes. The (5 years) contract of Dr Baek with IN2P3 will end in Oct 2013. He will be funded by Korea for the remaining of the year 2013.</p> <p>A very important data taking period for ALICE, relative to p-A collisions, will take place in early 2013. The p-A data are indeed mandatory in order to investigate the so-called “cold” nuclear matter effects on a large variety of probes studied in heavy ion collisions for the QGP characterization.</p> <p>After the p-A period which will end in February 2013, the LHC collider will stop delivering beams for a long period (the LS1, for Long Shutdown 1) until early 2015. During LS1, there are a lot of maintenance and upgrade activities foreseen on the detectors and electronics.</p> <p>All people involved in the FKPPL on ALICE will of course participate actively in all these activities in 2103.</p> <p>A new Korean master student, Mr Byungyun KONG, will also participate to the FKPPL ALICE activity in 2013. He will help in detector oriented activities and will participate to the data analysis.</p> |
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