

## Réunion groupe 12/02/26

### 1) Nouvelles et dates

- Etat de lieu Ecal
- SHiP
- ESPPU apres recommandation de l'ESG

### 2) Accelerator News

### 3) Tour de table

## Nouvelles groupe

- RAS pour le moment

### Appels d'offre

- (High) time to think about a new project
- Preparing an ERC project?
  - Idea (rough) project around high granularity for dark matter
  - SHiP, LOHENGRIN, LUXE
  - To be seen with STiRI
- Preparing a new ANR/DFG (or other calls) project with the Calo5D team ?
  - Proposal came up in last management meeting
  - SHiP was considered as an interesting topic/extension
- To be decided soon (both is unrealistic)
- Will stay tuned for local funding calls
  - Bigger chances now that SHiP will become an official project of the lab
  - Priority, prolongation of Jesus

## Nouvelles IJCLab, IN2P3, DMLAB

- **IN2P3/CNRS**

- Journées d'institut (in2p3) le 5/6 mai à Paris
- CNRS va abandonner zoom a la fin de mars (autonomoe numérique)
- Zoom sera remplacé par les outils fournis par DINUM

- **IJCLab**

- Election des comités
- Renouvellement CL, CLHSCTE, CS
- Résultats dispos dans intranet <https://intranet.ijclab.in2p3.fr/>

- **DMLAB**

- Des nouvelles ?

# MP SiW Ecal - Status and next steps

- **Electrical test of ASUs**
  - Completed by Dominique
  - 13 ASUs were sent to IFIC on Friday 23rd of January
  - Two should come back soon
- **Characterization of LLR sensors (22)**
  - Sensors are stored in PSI lab
  - Xin and Jesus trained and ready to go
  - **Currently technical of probing station, waiting for news by Ana**
- **Revision of carbon plates so that the components can pass through slits?**
- **It is now necessary to organise the commissioning of the ASUs**
- **Beam test at CERN in 2026**
  - By surprise we got the full requested 14 days slot
  - 17/6/26 – 1/7/26
  - May have to share the slot with another DRD Calo project (but that's ok)
- **Beyond the current prototype**
  - We have to get organized to start “discovering” the CALOROC ASIC
  - Local meeting with LLR soon !?

# Science with CALO5D

- **Xin**
  - Nice progress on software compensation with ML
    - First study that handles a calorimetric system !
  - Promising results with timing
  - s/w compensation study is complete enough to move emphasis progressively more on WW studies
- **Jesus**
  - Excellent results with quark tagging using particle transformer
  - Rapidly increasing visibility in SHiP
- **Both should present in next group meeting**
- **Regular meetings with ML experts at lab (Corentin, Davig, Huan)**

- **Still addressing MOU and Annexes**
  - New template for annexes
  - No resource tables at this stage
  - Meanwhile US institutes can appear in MOU Annexes
  - Will circulate a draft of the MOU in the next days
- **Meetings 2026**
  - Spring Meeting at CERN 7-10 April, registration open
  - Have to start to compile the scientific programme
- **Our main objectives 2026**
  - Carrying out the beam test programme (including us) and preparing the renewal of the approval of the collaboration for 2027 - 2029
- **Spokespersons election at next collaboration**
  - Upon question by already a few parties I told that I would be ready for another two years term

## Funding

- **IN2P3**
  - After the French Government has pushed a budget through the parliament funds are dripping in
    - MP SiW ECAL received 30 kEUR (dixit Vincent) compared with 67.8 kEUR requested (~44%)
      - In absolute numbers this is 4 kEUR **more** than in 2025
      - Vincent will propose soon the sharing among the SiW ECAL groups
    - So far no operational funding (“fonctionnement”) by IJCLab
      - But expect it to arrive soon
- **DRD Calo**
  - Will request prolongation of project until 8/2027 (w/o further resources of course)
- **EU/OTELLO (successor of AIDAinnova)**
  - **Proposal rejected!**
    - This is a setback for the European detector community
    - These projects were welcomed money and had this network component
    - This time we were a small(er) partner than before with a smaller anticipated share of the funding
      - Still this money will be missing (24 kEUR for us in total)
    - I Know little about the reasons for the rejection

# SHiP

- **CODEC 21/1/26 « SiPAD Detector for SHiP »**
  - Meeting went well
    - Received report with « avis favorable » by the lab direction
  - Homework
    - Scrutinise technical support and funding needs (the rejection of OTELLO is bad for this)
    - Search for partners
    - Prepare for CS of IJCLab (2nd half of this year)
    - Prepare acknowledgement by IN2P3 – MP IN2P3 SHIP
- **Optimisation studies**
  - Jesus prepares replacement of existing sensitive layers in SND with our layers
  - Have green light to play with absorber thickness and gaps between absorbers
  - Required to exploit full power of SiPAD detector
  - Need to speed up since project want to fix soon design on muon absorber structure

## Follow up ESG off ESG recommendations – Next steps

- New CERN Management has invited all potential future projects to establish a workplan to bring projects to “decision readiness” status in 2028
  - In coordination with CERN Council the CERN Management may allocated resources to these projects
- Jenny, Steinar and Eric have compiled a (resource loaded) workplan and a first version has been submitted to Mark Thomson and Oliver Brüning
- The workplan comprises studies for an LCF implementation à la CLIC and an LCF implementation based on SCRF (“ILC like”)
- The workplan will be based on concrete implementation scenarios of the accelerator(s) as e.g. the BDS
- Angeles co-convenor of Workpackage 1: Accelerator Design and Parameters
- R.P. co-convenor of Workpackage 5: Physics and Detectors
  - Detectors will have to assess consequences of default machine design of 2 IR with 16/25 mrad crossing angle and  $L^*$  of 6m (latest CLIC study conducted by PhD thesis supervised by Angeles → Detector studies will mainly focus on MDI
  - Meeting this afternoon to get organised
- Further relevant/interesting news
  - Positioning of German BMFTR to co-fund FCC as EU Moonshot project: “Nein, Nein, Nein”
  - Severe funding cuts in UK on budget for fundamental research (with ALICE, LHCb and EiC as prime victims), rumours say that also UK-ATLAS budget was trimmed down
  - **LCVision generic paper accepted by European Physical Journal at Special Topic Paper**

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  - ... while emphasising synergies with FCC
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## ESPPU@IJCLab

- 18/2/26: Talk by G. Arduini at IJCLab on accelerator projects presented for strategy discussions
  - **Be present!**
- 24/2/26: Meeting between Angeles, Marc, R.P. and Achille to discuss consequences of ESG recommendations at IJCLab
  - Goal is of course to maintain LC related studies at lab
  - Actions/observations on previous page might help
  - Messages conveyed at LDG Meeting next week at DESY are important
    - Speaker SCRF: Laura Monaco
- 27/3/26 14h: AG on consequences of ESG recommendations (=ESPPU?) for IJCLab
  - **Be present!**

## Dates à noter

- 2/2/26 – 6/2/26 TIP2026 at Mumbai
- 7/4/26 – 10/4/26 Reunion DRD Calo au CERN
- 31/5/26 – 5/6/26 CALOR26 à Santa Fe (NM)
- 30/7/26 – 5/8/26: ICHEP 2026 à Natal (BRA)
- 9/11/26 – 13/11/26: LCWS 2026 à KEK

**Prochaine réunion du groupe 12 mars à 10.30h dans la salle 139 du bâtiment 200**

## Prochaines réunions de groupe

Toujours à 10.30h dans la salle 139 du bâtiment 200  
(jusqu'à nouvelle ordre)