

11th December 2018

Present:

James

Giles

Mariela

Stuart

Suresh

Manasa

In terms

1. Updates from the WP as per the wiki.
2. Discussion on data analysis/entrepreneurial workshop.
3. OAB.

Giles: First of all, is there any updates on work packages?

Giles: WP1- We've been talking with Suresh and Manasa and the planning for the two workshops (entrepreneurial/data) I think everyone knows about it I think we have a pretty developed program now, certainly the data analysis is coming together, cutting across data analysis, cosmology, application required for LIGO India. Training opportunity with some hands on. Then the entrepreneurial/workshop, talking to Suresh and others we now have a better look at what to expect. Friday evening, opening remarks for what is required for LIGO India, hopefully led by the BTE and then on the Saturday there will be more time for companies showcasing their activity, what's required for LIGO India, what's required for success. And I hope this will be the first of many.

Nils: I think is relevant for Borja to come, because I was just here at the science center talking about the tabletops interferometers and I think they are very interested in speaking to him about the design.

Giles: From the entrepreneurial workshop, will we be able to have a rep from the science center?

Sukanta: Yes, we will have people from science center which is why it would be great to have Borja and Martin there.

Giles: Ed we are just through updates of people. Do you want to give any updates on the cavities?

Ed: We have this plan that many of you will remember with Umakant to build a training stabilization for LIGO India. We are looking at obtaining metal cavities.

This new approach is better I think this will be a better system and as long as people are OK then I will go ahead and order it an hopefully that will be built in the new year. The whole thing should be around 10th Jan. If anyone has any comments then I welcome them.

Suresh: I was at IA last week and they use suspended cavity in vacuum

Anil: Reflective mirrors are not on the aluminium they are held in place. I would need to have a look at the GEO ones, it might have a better temp .

Ed: If we can get diagrams then we could get workshops here to build.

Anil: the other comment I had is re advance LIGO laser, they are themselves changing.

Ed: they are all in the LSC but I will have a look.

Giles: It might be useful if you speak to Ken Strain here in Glasgow. He will have a good idea of the cavities in Germany.

Ed: Yes, I will be coming up to Glasgow in January so can speak to him then.

Giles: Remember we have a time constraint.

Ed: Yes, I know I do have a quote for it and is clear more now to order one than order 8.

Giles: Raji you are on the line? is there any updates on what you've been working?

Raji: Karthik and his students are trying to set up things here, Karthik is not here because he is setting things up at the moment in the lab.

Giles: I think that takes us nicely onto Stuart.

Stuart: We've been receiving a lot of the parts that have been arriving so we can send to India. We've been sharing information on Ion sources and others parts we've bought so there's more than one system.

Giles: I think for the Newton-bhabha, these two will be very important, getting these two set up, travels for setting up etc it'll be very good.

Nils: We have three things to say at the moment. We had a brainstorming to see what people re doing here, we are continuing that later today. I am giving a talk this evening so we can get some pics for that. We also speaking to the Science center. We've been ironing out the final steps for the leaflets and I think that all.

Giles: Can I please remind everyone to take photos, it helps so much. Showing the material of what's going on is great.

Sukanta: We also started working on the agenda for the data analysis (Siong , Mariela and Anupreeta)

<https://docs.google.com/document/d/1l1hn5xQYP0x7hF5FWFC-6Mp56QndUaYzKpwKBPSUNQ/edit>

Suresh: I guess we also have to point a site for the meeting.

Giles: there's also the wiki if you want to utilize them. Jim made a comment re photographs and in the UK we require to have permission from people. Jim

Jim: You need to have a slide saying photos will be taken in the meeting.

Giles: Are we any further with the Exchange program?

Suresh: The calendar between IUCAA and Caltech are different but we will do a ranking for the students. Essentially the portal will have to sections one for students where they can upload their CV and the labs abroad will then upload projects and how many they need and once all of this is in, then we can match the students to the labs. I will be forwarding this to the LVC so that anyone that wants to apply for this portal they can do so.

Giles: We should make sure to also circulate through the Newton Bhabha.

Giles: We also had an email from Martin and he's been checking quotes for getting an exhibit for next year. He's working on getting the idea on costing and we will probably be discussing that further.

Suresh: I have some exhibit material from the EPO team, they were wondering when to expect some material between the UK and India (equipment), in the Newton Bhabha. They were wondering how many units.

Giles: We have the interferometers, there are 4 that will be coming along. As for the VR headsets, I had spoken to Sanjit but haven't heard back from them.

Giles: We just need to know where they would need to be shipped to.

Suresh: the EPO team is here In IUCAA so I think it would be best here and then we can distribute.

Giles: In your experience, for traveling do we need to note how they will be used etc?. I think we gave some VR headsets to Umakant and Karthik when they were here in Glasgow but I have 8 under my desk so they can be shipped out whenever.

Suresh: I think using couriers should be fine.

Giles: Excellent, I think if that's everything, we will speak in the next call. Thank you everyone.