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Subject: Follow-Up from EF Workshop on CEF4 Topics
Date: April 12, 2022 at 4:55 AM
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JB

Hi Randal, Sijbrand, Sudhir,

A couple weeks ago I gave a talk at the Energy Frontier workshop summarizing the efforts in CEF ([link to indico page](#)). Here is the transcript from the session ([link](#)).

I am writing to close the loop and pass along some information. One of the comments made was on physics education for non-science majors:

JOHAN: Are there any questions, now we've done the room on Zoom, I see Chip? Go ready?

>> Thank you for the nice summary. I wonder in your education group is anybody thinking about [inaudible] in universities and colleges? We teach thousands of credit hours every year in general astronomy, and physics of power, and all kinds of things. Kind of a unique thing in the United States, but it is an educational opportunity that is not aimed at STEM necessarily because these folks go off and change the world in other ways. But it's a really important constituency that doesn't quite the same thing as outreach, where the general public occupies a unique spot.

JOHAN: You mean in particular teaching non-science majors? And science literacy.

>> Exactly. Because I've devoted myself to doing entirely that.

JOHAN: That's a good point. One of the things about this process is that the next thing that comes up is the topical group reports where a lot of things have fallen through the cracks, where, you bring something up that is very, very relevant. What I can do is I can pass this comment along to the convenors of the CEF04 group so it is agreed in one way or the other. I don't know the ins and outs of the paper and if it is included in any of this. I will make that note and pass it along.

I have taken a cursory pass at the WPs under your group and this topic is mentioned in recommendation 3.2.3 of the Particle Physics Outreach to K-12 Schools and Opportunities in Undergraduate Education CP ([link](#)). However I still wanted to pass along the comment in case you would like to revisit the topic for your Topical Group Reports.

Another point was made by Alessandro Tricoli, which was about an effort a few years back called EPLANET ([European Particle physics Latin American NETwork](#)).

>> Three comments to make. The first one on programmes. With countries under development. There used to be a CERN programme called E Planet that allowed people from central and South America to go to CERN. That was extremely useful. It used to be a programme which I took advantage of. Great people came to CERN and many of us went to South America, Latin America for a month or two, or a few weeks, and that was very beneficial both ways. So, something similar could be envisioned also in the United States. And also with Africa, for example, or other continents. So I think that was extremely useful and really I think helped both ways. Get work done at CERN as well as making sure the stronger links between CERN and Latin and South American countries, and it lasted for five years or more, but it's something that we have revisit, not only for CERN but also for the United States.

I had not heard of this until then, so maybe y'all haven't either. In your TGs CPs, I think it would fit nicely in The Necessity of International Particle Physics Opportunities for American Education CP ([link](#)) where international education networks such as IPPOG are mentioned. The CP is already on the arxiv and I am not suggesting to edit it, rather I wanted to bring this to your attention in case you would like to include it in the discussions of your Topical Group Reports.

That's it!

Best,

Johan S Bonilla
(They/Them)