

**Subject:** Re: E\_G project: external collaborator proposal  
**From:** Shadab Alam <salam@roe.ac.uk>  
**Date:** 10/2/18, 12:24 PM  
**To:** Danielle Leonard <danielll@andrew.cmu.edu>

Dear Danielle,

Thanks a lot for your email and apologies for slow response. I am definitely keen to work on this project and it will be great to do some concrete work during LSST meeting in Edinburgh. Will you be coming to Edinburgh for the meeting or joining online?

Thanks for kindly writing external collaborator request it looks great. I am hoping to make some progress on this before the meeting.

Cheers,  
Shadab

On Sun, 2018-09-30 at 13:51 -0400, Danielle Leonard wrote:

Dear Shadab,

Hope you're doing well. I understand from Sukhdeep (cc'ed) that you are interested in being part of this project we are working on together within LSST DESC, which has the goal of using forecasts to look at the trade-offs between E\_G and a multi-probe Bayesian approach to testing gravity using LSST and spectroscopic surveys like eg DESI. Particularly, I hear you may be able to help with something we are bit stuck on, which is modelling the covariance expected between beta (from RSD) and  $\text{Upsilon}_{\text{gm / gg}}$  (gg lensing / clustering), both from shot noise and from cosmic variance which we expect not to necessarily be subdominant in the future measurement situations we're looking at.

If you are still keen on being part of the project (I hope you are), we need to jump through one small hoop, which is to get you listed as an LSST DESC external collaborator (such that you can be involved in a "LSST DESC project" and therefore eventually be an author on the paper). To do this, we just need to write a few short statements proposing you as an external collaborator. The full external collaborator guidelines are [here](#), but the relevant stuff is:

The proposal must be written, naming the Project and concisely addressing:

- the proposed role of the external collaborator in the Project
- the motivation for the proposal, e.g., unique expertise, data, or simulations provided by the external collaborator, with a clear explanation of why this work cannot be undertaken by current DESC collaborators;

- what non-public DESC data products the external collaborator will need for this work;
- a statement that the external collaborator agrees to use these data products only for the proposed joint work with DESC, not to use other non-public DESC data products, and not to redistribute these data products outside DESC.

The proposed external collaborator must agree to abide by the DESC Policy on External Collaborators, DESC Publication Policy, and DESC Professional Conduct Policy for this work with DESC.

To me this is pretty straightforward; I have drafted something addressing these questions in a google doc [here](#). Could you take a look at it and make any comments or changes? Then we go ahead and send this to the working group leaders for circulation and hopefully we can get you officially approved quite quickly. It would be great to work together on this at the sprint week in Edinburgh next month especially if you are interested.

Thanks,  
Danielle

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