

Dear John and Maurik,

On behalf of the Local Organizing Committee and of the Conveners of Session-II (Experimental searches at accelerators), we would like to invite the HPS-collaboration to nominate a colleague to attend and present a 30'+ 5'talk on the subject under point 4(a) in the attached draft agenda, at the international workshop ***Light Dark Matter search at Accelerators - 2019*** which will be held in Venice, Italy, at Fondazione Querini Stampalia, from November 20 to November 22, 2019.

The aim of the workshop is to bring together experts from the experimental and theoretical community, interested in the new and fast-growing field of light dark matter search at accelerators. It will be the occasion to share expertise spanning from theoretical motivations to experimental techniques for future programs to pursue in mid-energy and high-intensity accelerating facilities. The workshop will cover the following topics:

- Theoretical grounds and motivations for light dark matter scenarios
- Present and future experimental programs at accelerators
- Status of dark forces searches and future perspectives
- Latest updates on dark matter direct detection and results from experiments at high-energy colliders
- Latest updates on ultra-light dark matter searches
- Constraints and limits from indirect dark matter detection

The workshop is organized in plenary presentation sessions, followed by discussion session to review novel ideas, plans and proposal. You will find more details in the workshop web page: <https://agenda.infn.it/event/18184/>

Could you please let us know within the next two weeks who would present at the workshop with a proposed title for their talk.

Kind regards,

Elton Smith, Richard Van De Water and Torsten Åkesson on behalf of the LDMA'19 LOC

LDMA2019, Session II

- 1. Theory introduction**
- 2. Missing energy and/or momentum.**
 - a) Missing energy: NA64 and NA64++
 - b) Missing energy and missing momentum: LDMX and LDMX at eSPS
- 3. Beam dump experiments.**
 - a) electron beams: E137 (reanalysis), BDX
 - b) proton beams: COHERENT, SBN, LSND, MiniBooNE, SHiP
- 4. Visible searches (spectrometer-based experiments)**
 - a) Fixed target visible searches with electron and proton beams: HPS, APEX, MAGIX, DarkLight, SeaQuest, AWAKE++
 - b) Searches at the LHC: LHC-experiments including FASER
- 5. Missing mass searches.**
 - a) missing mass searches in e^+ FT: MMAPS, PADME, VEPP-3
 - b) missing mass searches in e^+e^- : Belle-II
 - c) searches with K-beam: TREK, NA62
- 6. Concluding discussion**