

Preparations for Minneapolis

Rouven, John, William

Timeline of summary reports

~30-pages

- First drafts by July 1, 2013
- Final drafts at start of Snowmass

We need help writing this!

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In addition:

- 5 page subgroup summaries (used as input for 30 page IF summary) by start of Snowmass

We need feedback on this!

Document outline

I. Overview ([Editors](#))

II. Theory & Motivation ([Rouven w/ Philip, Natalia, Javier, Andreas R., Joerg J., Amanda W...](#))

A. Axions and ALPs

B. Hidden Sector Particles

1. Hidden sector photons

2. Other hidden sector particles (scalars, milli-charged particles, ...)

C. Chameleons

D. Light DM

III. Status of astrophysical observations??? ([Rouven, Tracy, Philip, Natalia, Javier, ...](#))

A. Cosmic-rays

B. Photon constraints

C. CMB

D. Large-scale structure

E. White-dwarfs, other stars, etc.

D. Transparency

Document outline

IV. Status and Plans for Terrestrial experiments

- A. Laser Experiments (William w/ David Tanner, Axel Lindner, Keith Baker, Amol...)
- B. Beam Dump Experiments
 - 1. Proton (William w/ Brian Batell, Richard VdW, ...?)
 - 2. electron (John w/ Sarah Andreas, Matt Graham, Stepan Stepanyan, ...)
- C. Fixed Target (John w/ many)
- D. e+e- colliders (John w/ Bertrand Echenard, Fabio Bossi, Francesca...?)
- E. pp colliders (John w/ Andy, Yuri, Bjoern Penning, ?)
- F. “Other” opportunities (William w/ ?)

V. Opportunities for future experiments--new ideas, technologies, & accelerators

- A. WG1 (John w/ many)
- B. WG2 (William w/ ?)
- C. WG3 (Rouven w/ Philip, Natalia, Yuri, ...)
- D. WG4 (William w/ ?)
- E. Summary of Possible Reach and Needed Resources (John w/ ?)

VI. Conclusions (Editors)