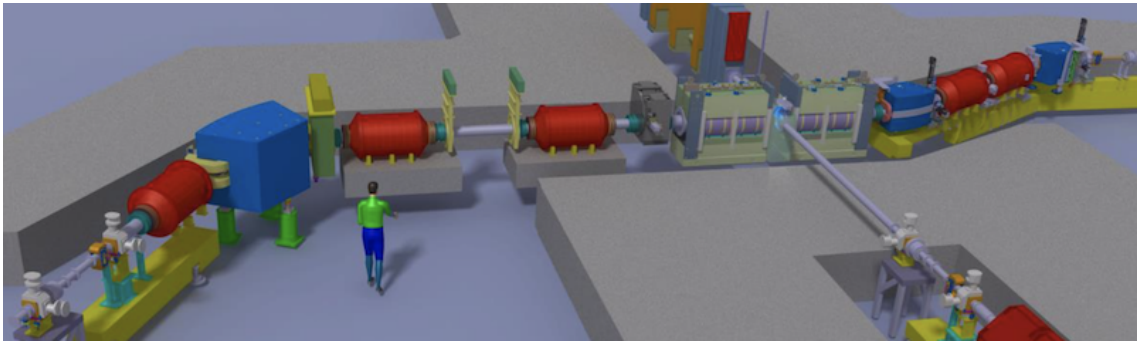


Session Program

Apr 6 - 9, 2021



HIMB Physics Case Workshop

Session 3

Zoom

Thu, April 8

2:00 PM

Session 3: Session 3

Session | Location: Zoom

14:00 - 14:30

muSR III 09: Using hydrostatic pressure and uniaxial strain to uncover, control and manipulate novel phases in quantum materials

Speaker

Zurab Guguchia

14:30 - 15:00

Next generation Muonium experiments and the impact of HiMB

Speakers

Anna Soter, Paolo Crivelli

Subcontributions

Next generation cw Mu sources with HiMB + HiMB cool

Speaker

Anna Soter

Current status of muonium spectroscopy and future prospects at HiMB

Speaker

Paolo Crivelli

Prospects of a Mu gravity experiment

Speaker

Anna Soter

15:00 - 15:20

Coffee Break

15:20 - 16:20

Pool of further ideas

Speaker

Adrian Signer

16:20 - 16:50

Coffee Break

16:50 - 18:00

3B muonium Parallel

Speakers

Paolo Crivelli, Anna Soter, Ben Ohayon, Prof. Dylan Yost, Klaus Jungmann, Valery Nesvizhevsky, Prof. Yotam Soreq

Subcontributions

New possibilities for M studies @ HiMB

Speaker

Klaus Jungmann

Measurements of 1S-3S and 2S-8D transitions in hydrogen and prospects for M spectroscopy of these transitions

Speaker

Prof. Dylan Yost

Sensitivity of muonium spectroscopy to dark sectors

Speaker

Prof. Yotam Soreq

Muonium whispering gallery

Speaker

Valery Nesvizhevsky

In flight spectroscopy of muonium

Speaker

Ben Ohayon

16:50 - 18:00 **3A muSR III parallel**

Speaker

Hubertus Luetkens

16:50 - 18:00 **3C pool Parallel**

Speakers

Adrian Signer, Angela Papa

6:00 PM