

HIMB Physics Case Workshop

Thursday, 8 April 2021

Session 3: Session 3 (14:00 - 18:00)

time	[id] title	presenter
14:00	[15] muSR III 09: Using hydrostatic pressure and uniaxial strain to uncover, control and manipulate novel phases in quantum materials	GUGUCHIA, Zurab
14:30	[16] Next generation Muonium experiments and the impact of HiMB	SOTER, Anna CRIVELLI, Paolo
	- [1] Next generation cw Mu sources with HiMB + HiMB cool	SOTER, Anna
	- [2] Current status of muonium spectroscopy and future prospects at HiMB	CRIVELLI, Paolo
	- [3] Prospects of a Mu gravity experiment	SOTER, Anna
15:00	Coffee Break	
15:20	[17] Pool of further ideas	SIGNER, Adrian
16:20	Coffee Break	
16:50	[18] 3B muonium Parallel	CRIVELLI, Paolo SOTER, Anna OHAYON, Ben Prof. YOST, Dylan JUNGMANN, Klaus NESVIZHEVSKY, Valery Prof. SOREQ, Yotam
	- [1] New possibilities for M studies @ HiMB	JUNGMANN, Klaus
	- [2] Measurements of 1S-3S and 2S-8D transitions in hydrogen and prospects for M spectroscopy of these transitions	Prof. YOST, Dylan
	- [3] Sensitivity of muonium spectroscopy to dark sectors	Prof. SOREQ, Yotam
	- [4] Muonium whispering gallery	NESVIZHEVSKY, Valery
	- [5] In flight spectroscopy of muonium	OHAYON, Ben
16:50	[20] 3C pool Parallel	SIGNER, Adrian PAPA, Angela
16:50	[19] 3A muSR III parallel	LUETKENS, Hubertus