



University of  
Zurich <sup>UZH</sup>




# Introduction

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8<sup>th</sup> SHiP Collaboration Meeting  
13<sup>th</sup>-15<sup>th</sup> June 2016  
Imperial College London

# Today's agenda

	<b>News from theory</b>	<i>Oleksii Boiarskyi</i>
	<i>Lecture Theatre 2, Blackett Lab, Imperial College London</i>	09:10 - 09:40
10:00	<b>Summary of Dark Sector Workshop at SLAC</b>	<i>Gaia Lanfranchi et al.</i> 
	<i>Lecture Theatre 2, Blackett Lab, Imperial College London</i>	09:40 - 10:10
	<b>Hidden particle simulation and sensitivity</b>	
	<i>Lecture Theatre 2, Blackett Lab, Imperial College London</i>	10:10 - 10:30
	<b>Optimization of HNL selection</b>	
	<i>Lecture Theatre 2, Blackett Lab, Imperial College London</i>	10:30 - 10:45

	<b>Optimization of identification of HNL signal</b>	<i>Samuel Baxter</i>
	<i>Lecture Theatre 2, Blackett Lab, Imperial College London</i>	11:15 - 11:35
12:00	<b>Using NA61 to measure muon flux</b>	<i>Eric Van Herwijnen</i> 
	<i>Lecture Theatre 2, Blackett Lab, Imperial College London</i>	11:40 - 12:00
	<b>Measurement of charm differential cross-section</b>	<i>Antonia Di Crescenzo et al.</i>
	<i>Lecture Theatre 2, Blackett Lab, Imperial College London</i>	12:05 - 12:25
	<b>Possibilities of using NA62 in beam dump mode</b>	<i>Gaia Lanfranchi</i>
	<i>Lecture Theatre 2, Blackett Lab, Imperial College London</i>	12:30 - 12:50

# Today's agenda

14:00

**Session 9: Discussion session and summary**

15:00

*Lecture Theatre 2, Blackett Lab, Imperial College London*

14:00 - 15:15

**Discussion about goals for the next months and preparation of a re-optimization performance document**