

CLIC-TH

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late 2017: top physics report

fall 2018: BSM physics report

late 2018: CDR + overview papers

EU Strategy
Upgrade

W.U.	People Involved (?)	Fall-2017 Goals	Final Goals	Relevant Deadlines
SM-EFT (Riva)	You, Ellis, Grojean, Vos, Serra, Aguilar- Saaverda, ...	<ul style="list-style-type: none"> • BSM implications of top phys.@CLIC • Top EFT paper by Vos et.al • VVtt (and/or b) • Turn 4-fer. int. studies into EWPT language • Further HV study needed? 	<ul style="list-style-type: none"> • BSM implications of EW/Top/Higgs measurements at CLIC, particular attention to high-energy probes. • Proper comparison with FCC-ee 	Top Report, end 2017 BSM Report, end 2018
Direct Searches (Torre?/Thamm)	Katz, Weiler, Ruderman, Francheschini, ...	<ul style="list-style-type: none"> • Physics case for weakly-coupled s-channel resonances not seen at LHC? Work needed • Revise DM and propose future work. (something else than mono-gamma, done already?) • Revise SUSY and propose future work. • Elusive Naturalness? (~twin higgs) • Disappearing tracks, since closer inner detector (francheschini) 	<ul style="list-style-type: none"> • BSM implications of direct searches. • Direct/Indirect interplay • Overall comparison with FCC-hh • Which questions can CLIC answer to? Naturalness, WIMP DM, EW B.gen.? 	BSM Report, end 2018
Light Flavours (Zupan)	Perez, ...	<ul style="list-style-type: none"> • Theoretical implications of exotic top decays. • How to exploit excellent b- and c-tagging capabilities • t->cH, t->c gamma (ask philipp who is working on that) • No exotic Higgs decays? 		Top Report, end 2017 BSM Report, end 2018
MG_4LC (De Grande/ Mattelaer)	...	<ul style="list-style-type: none"> • Beamstrahlung in Madgraph • Why not ISR in Pythia? • Delphes Card 	<ul style="list-style-type: none"> • Provide, quickly, a MG simulation chain for linear collider physics 	The earlier the better
Dark Sectors (McCullough)	...	<ul style="list-style-type: none"> • Assess potentiality of few GeV e- beam • ... 		