

Physics in the Future DIS Session – WG7

Proton PDFs

Rik Yoshida - High x at EIC

Amanda Cooper-Sarkar – PDFs at LHC+LHeC

Claire Gwenlan – PDFs at FCC-eh and α_s

M.Klein + R.Yoshida

U. Liverpool + Jefferson Lab

QCD, Top, Electroweak

David D'Enterria - QCD at Future e+e- Colliders

Gauthier Durieux – Top EFTs at Lepton Colliders

Hao Sun – Top Physics at the LHeC

Daniel Britzger – Precision eweak Physics LHeC

Higgs and BSM

Stephane Jezequel – Higgs at HL LHC

Masahiro Tanaka – SM Higgs at LHeC

Mukesh Kumar – BSM Higgs + H-HH in ep

Hao Sun – H++ in Georgi-Machacek LHeC

Oliver Fischer – Sterile Neutrinos LHeC/FCC

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Electron-Ion Physics

Nestor Armesto – Heavy Physics + eA

Paul Newman – Diffraction at EIC + LHeC

Salvatore Fazio – nPDFs EIC

Hannu Paukkuunen – nPDFs LHeC

Polarised and TMDs

Wim Cosyn – Deuteron spin + tagging

Tanja Horn – π /K structure

Brian Page – Dijets and p spin at EIC

Yong Zhao – L(gluon) at EIC

Tom Van Daal – Dipole type gluon TMDs

Nobuo Sato – MCEgs for TMD physics

Accelerators (Colliders)

Rolf Ent – EIC Realisation Plans

Dario Pellegrini – LHeC and FCC-eh

Matthew Wing – VHEepC

Joao Guimaraes – FC in China and ep

Detectors

Rolf Ent – JLEIC

Vladimir Kisselev – eRHIC - cancelled

Max Klein – LHeC + FCC-eh

John Lajoie – sPHENIX RHIC+EIC

Noemi Calace – ATLAS ITK

Jeff Dandoy – ATLAS Tile Cal Upgrade

Accelerators, Detectors, New Projects

New Projects

Annarita Buonaura – SHIP Status and Physics

Jean-Philippe Lansberg – AFTER@LHC

Andrea Ferrero – COMPASS Upgrade

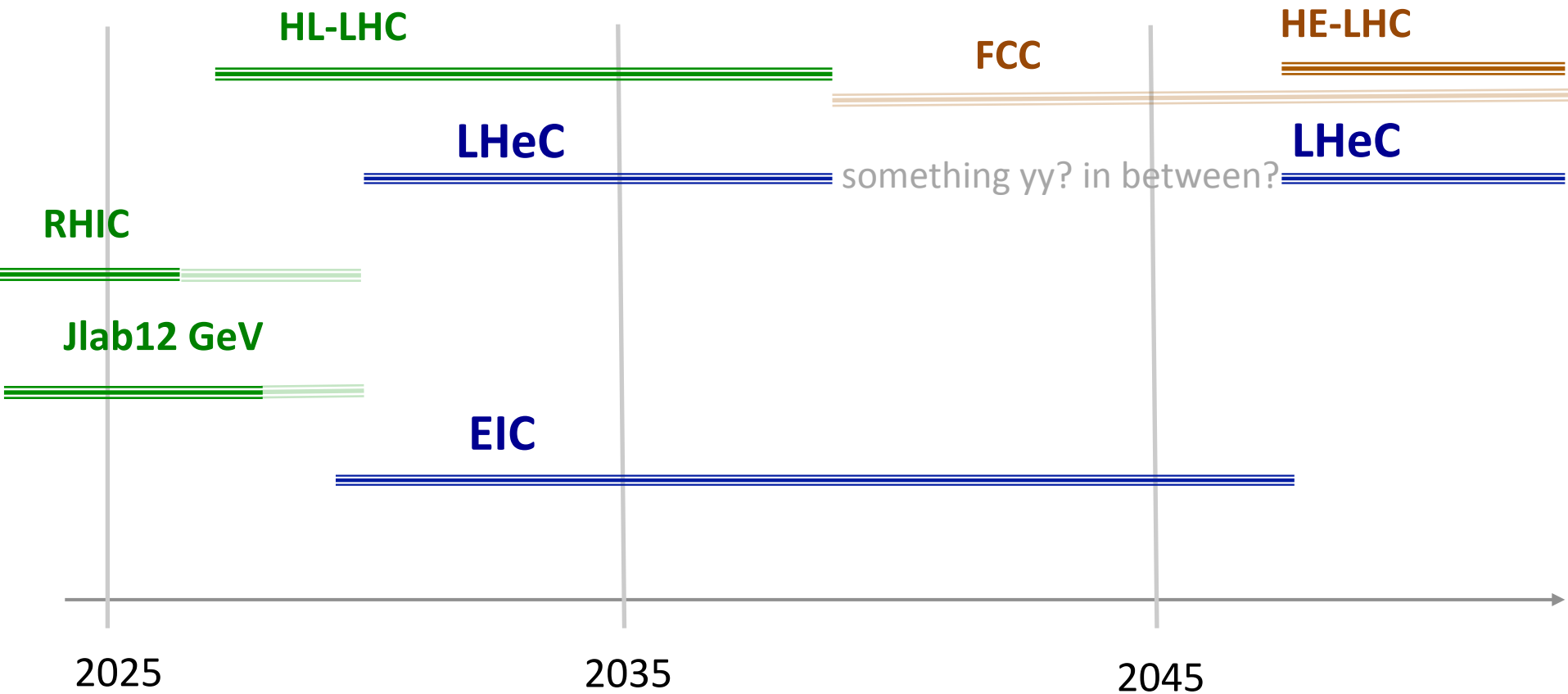
Costa Andreopoulos –
DIS with DUNE, MINERVA and Hyper-K

Allison Lung – Jlab 12 GeV Upgrade

Ken Long – ν N Scattering at ν STORM at CERN

**37 presentations, well attended + received.
Thanks to all speakers and their colleagues!**

Projected Timelines for Future ep/eA Colliders



HERA: Proposal 1984, Data 1992-2007, Publications 1993-2018

VHEep: Plasma e – LHC. **Chinese ep/A** projects: Lanzhou (low E) and CEPC/SPPC

Disclaimer: For discussion and illustration at DIS17 only MK+RY, April 7th, 2017, DIS at Birmingham