

Higgs properties: WG2 overview and YR4 status

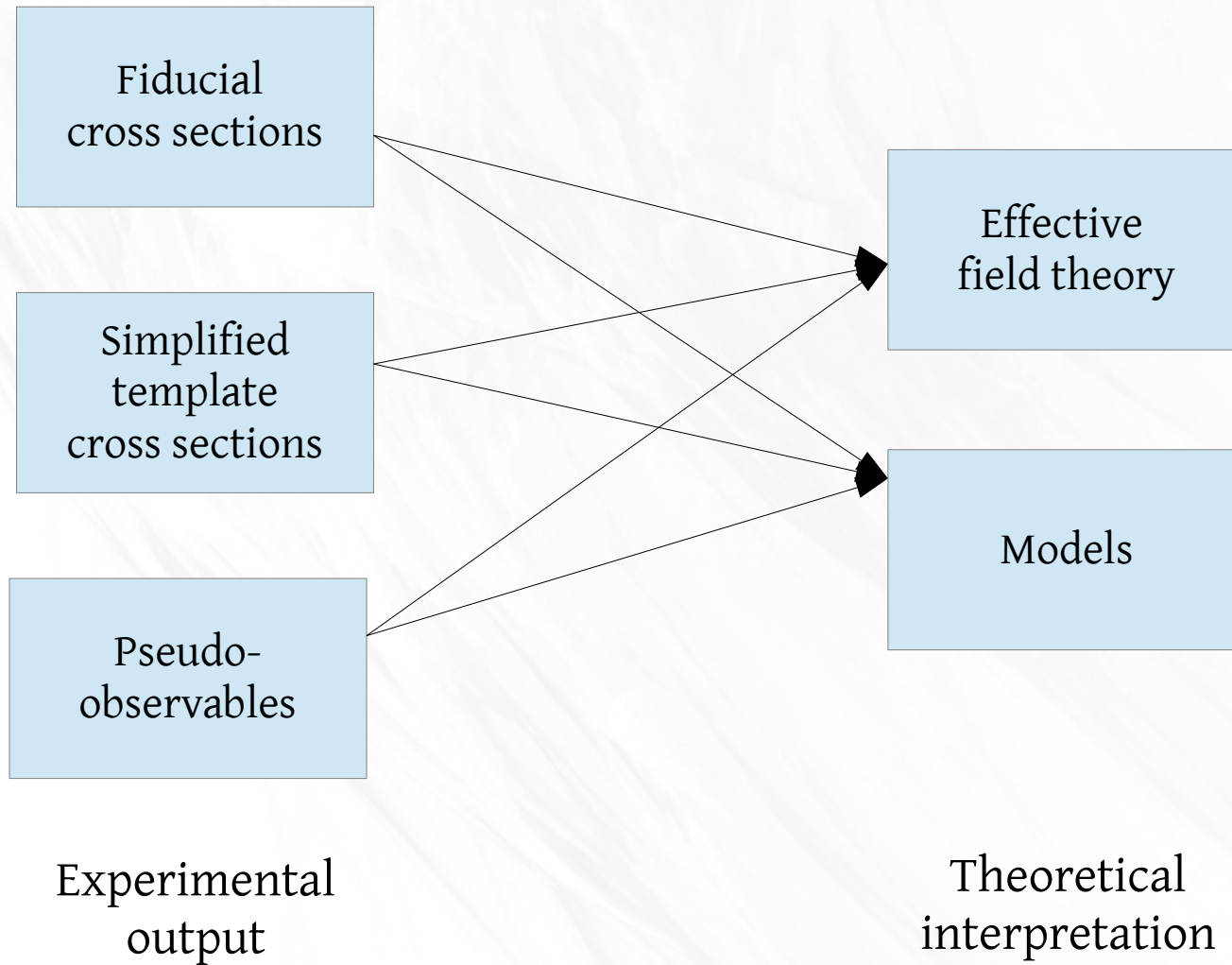
Chris Hays, Oxford University

for the WG2 conveners

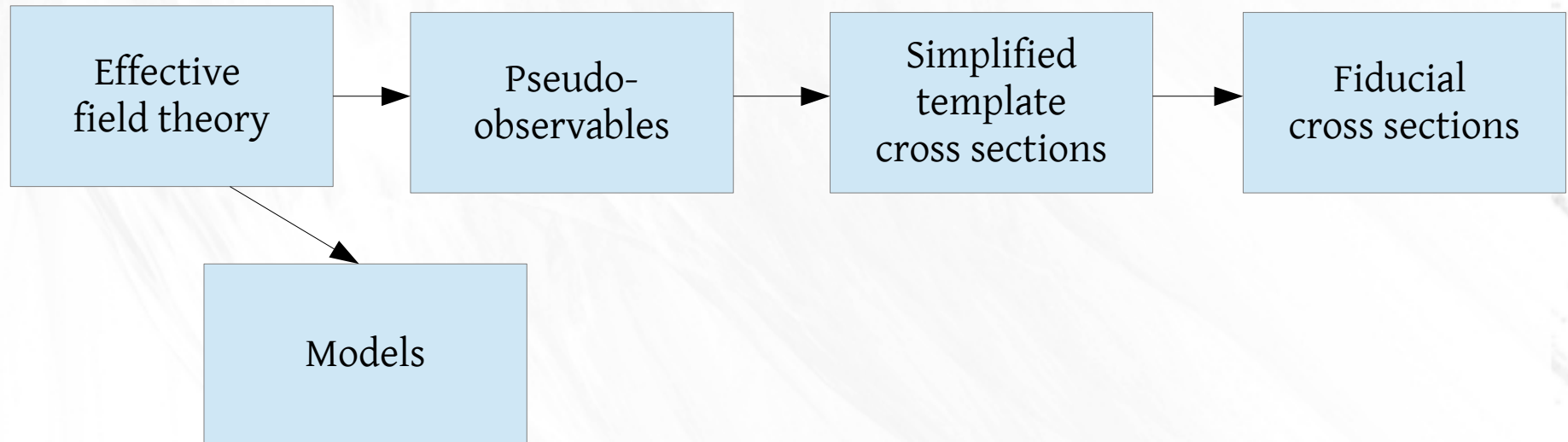
(Mingshui Chen, Adam Falkowski, and Gino Isidori;
Andre David and Michael Duehrssen)

LHC Higgs XS WG general meeting
14 January 2016

WG2 overview: experimental view



WG2 overview: YR4 structure



Theoretical
context

Experimental
recommendations

WG2 overview: YR4 status

Effective field theory chapter

LO formalism section: standalone note released, comments received, text in svn

Validity section: note circulated, WG2 discussion on 8 Jan

Tools section: draft note prepared, soon to be provided to conveners

NLO section: draft note prepared, conveners reviewing

Models section: nearly complete, complete draft by next week

Morphing section: contribution in YR4, to be reviewed

Pseudo-observables and simplified template cross section chapter

Pseudo-observables: nearly complete, complete draft by next week

Simplified template cross sections: draft under way, recommendations to be finalized

Fiducial cross sections chapter

Draft by end of month, recommendations to be finalized

WG2 overview: Meeting schedule

Thursday 14 January 2016

16:20	[16] Status of Pseudo-Observables and Template Cross Sections in YR4	HAYS, Chris
16:30	[23] Summary of Pseudo-Observables	ISIDORI, Gino
16:50	[24] Pseudo-Observables for Higgs Production	MARZOCCA, David
17:20	[25] Simplified Template Cross Sections	TACKMANN, Kerstin

Friday 15 January 2016

WG2 - Main Auditorium (09:00-11:20)

time	[id] title	presenter
09:00	[17] Overview of EFT in YR4	FALKOWSKI, Adam
09:10	[19] EFT tools	FUKS, Benjamin
09:30	[20] EFT validity	RIVA, Francesco
10:00	[21] Non-linear EFT	BUCHALLA, Gerhard
10:30	[22] EFT at NLO	TROTT, Michael Robert