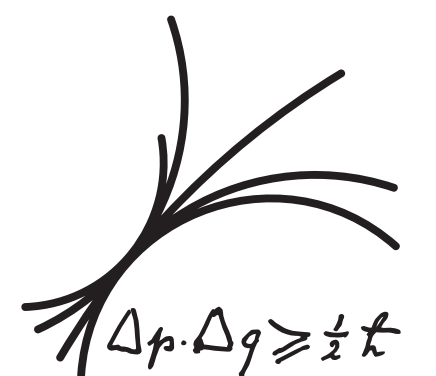


HL-LHC Computing Review

- Developing Outline -

Frank Simon
Max-Planck-Institute for Physics

LHCC 140 - WLCG Session
CERN, November 2019



Rough Outline of Steps towards Computing TDR

Feedback welcome!

- **The goal:** Have the WLCG Computing TDR recommended for approval to the LHCC by early CY 2024
 - The steps towards this goal from the “reviewing perspective”:
 - *Initial meeting* in **May 2020** will focus on experiment specific issues (proposed dates: weeks of May 11, 18)
 - Charge to be delivered to WLCG management by Dec 6, 2019
 - Establish a baseline computing model, data rates, computing and storage projections including the roles of the Tiers
 - Establish anticipated cost drivers and infrastructure assumptions
 - Outline technological risks and major areas of R&D
 - *Second meeting*, preliminary target **September 2021**, will focus on common tools and community software
 - Examples include Root, MC Simulation, Event Generators
 - Mid 2022 begin formal TRD preparation
 - Allow sufficient time for collaboration processes; data center processes
- ⇒ Reviews in that period to be defined, TDR submission ~ Q3/2023