



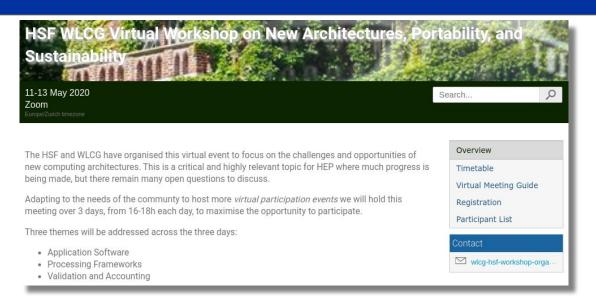
## Introduction

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## HSF/WLCG Virtual Workshop





- Still trying to find the right way to use our 1 hour slot at the workshop...
  - We were thinking of giving just one overview/summary talk about what we've heard in these meetings over the last months, and discussing mostly about multi-threaded execution topics afterwards
- If people have strong feelings for going another route, let us know 😉



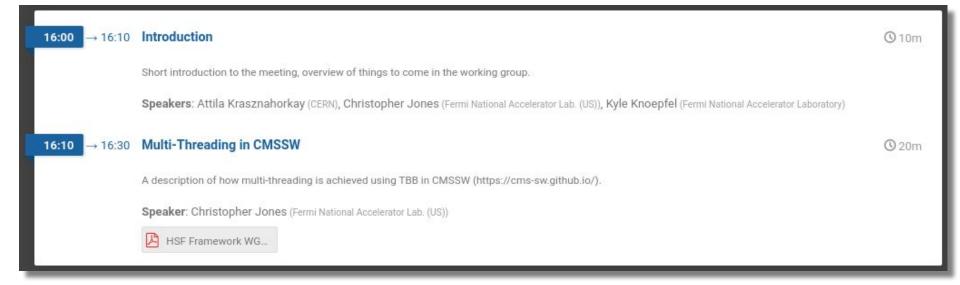
## tbb::task Deprecation



- We (I) learned just last week that Intel is deprecating the <u>tbb::task</u> API
  - The reason is that they want to provide "higher level" APIs in <u>TBB</u> for the users instead, which would allow them to do optimisations behind the scenes more freely
- In HEP, especially at the LHC, we use <u>tbb::task</u> very extensively
  - We were discussing both in ATLAS and CMS internally about this situation in the last 2 weeks
- While each experiment may see the severity of this change differently, it does require some serious discussions
  - The choice of TBB as the multi-threading platform for HEP came from the idea that as long as "everybody" uses TBB, tools/frameworks will be able to nicely share CPU resources when running together.
    - We should not allow everybody to start migrating to different backends in an unorganised way
  - o Graeme started organising a dedicated discussion on this topic, which should happen soon
    - At this point we're still at the "Doodle poll" stage \(\omega\)

## Today







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