

# HL-LHC ++

# Japanese Funding Related Topics

- ❖ Budget framework “Particle physics with the High-Luminosity Large Hadron Collider (HL-LHC)” was approved in 2019
  - ▶ A package consisting of accelerator and detector
    - D1 and ATLAS upgrade so far
  - ▶ Funding started in 2020, and will last until 2029
  - ▶ Mid-term review by MEXT task force member in last June
    - Review of our activities for last 3.5 years
    - Highlight was the request of additional contributions to the accelerator
    - Some request of minor increase to take care of
      - Missing Russian contributions to ATLAS
      - Inflation
      - Weak Japanese Yen
    - I believe it went well
      - The report from the task force is supportive
      - The delay of whole program is a concern (especially by MEXT)

# Additional contribution to the machine

- Discussion at KEK with HEP community
  - HL-LHC additional contribution endorsed as high priority project

- June  
Budget request  
from KEK to MEXT

KEK to MEXT	Quench heater	RF source	RF distributor	D1-D2 beam pipe	Robot	HTS tape
MEXT judgement	OK	OK	OK	no	no	no
MEXT to MOF	OK last year	OK this year	OK this year			
MOF decision	OK last year	?	?			

- August  
Request  
from MEXT to MOF

- December  
Decision at MOF

- April next year  
Start funding

• MEXT's judgement last year
 

- Budget size of RF source and distributor were too large to simply "add" to the existing program
  - Mid-term progress evaluation for the whole program this year
  - With good assessment, MEXT would request to MOF