Proposal of rMPP for Injectors

186st MPP meeting (injectors)
06 March 2020

J. Uythoven, J. Wenninger, C. Wiesner, D. Wollmann, M. Zerlauth
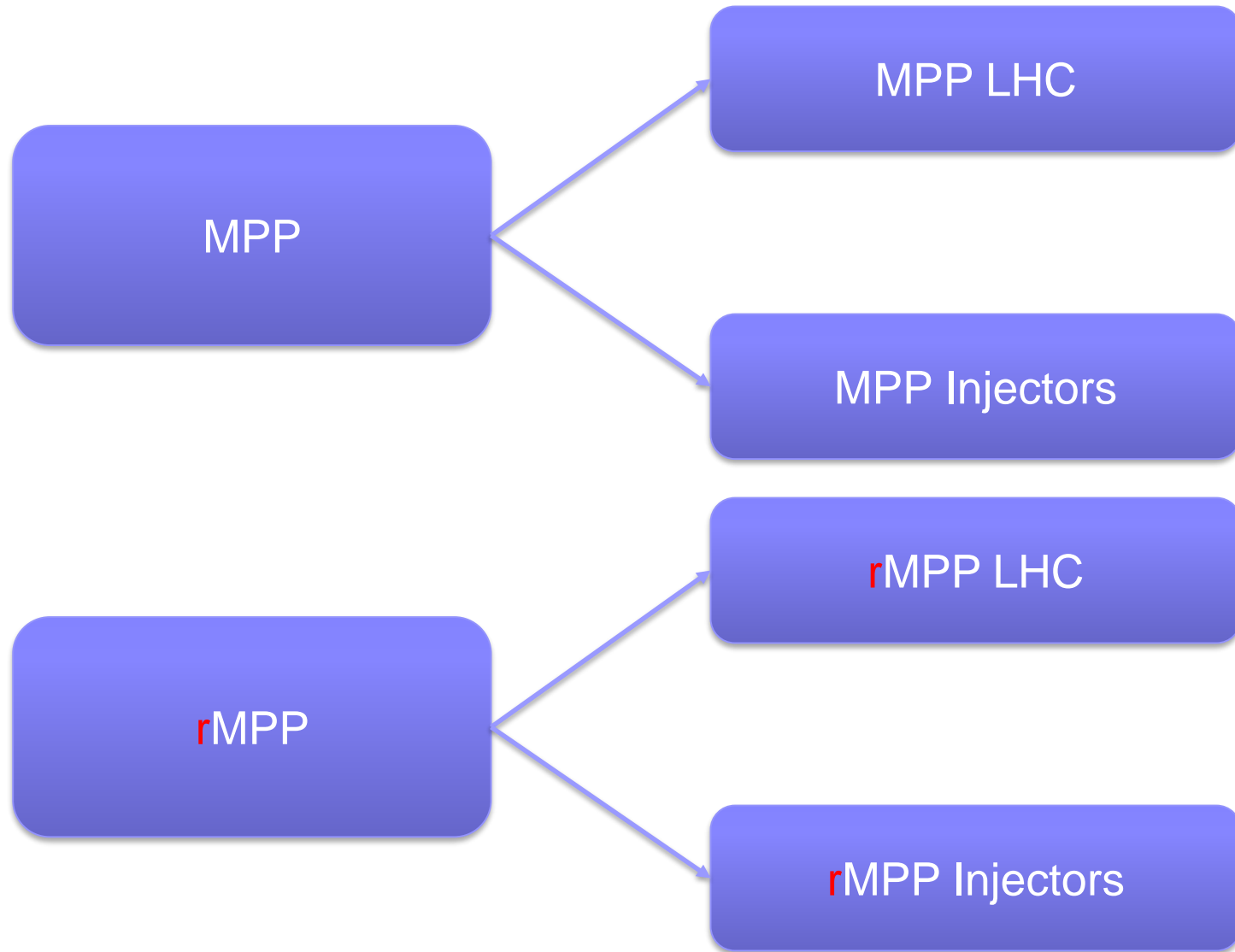
rMPP for Injectors

- **Triggered by presentation MPP 11/10/2018 by Bettina**
  - ☐ PSB Injection into less than 4 rings
  - ☐ From the minutes:

- Bettina proposed that the **core members for the MPP injector topics** should be responsible to take this decision when required. They would, thus, play a similar role as the rMPP members for the LHC.
  - o David asked how fast the decision would have to be taken. Bettina replied that a quick response is required, even outside working hours, in order to gain from the operation with less than four rings.
  - o Verena commented that the question of how to decide on masking of interlock channels is also relevant for the SPS, e.g. for the slow extraction, where, after masking, the protection relies on procedure.
  - o Action (Jan/MPP): Make a proposal for the decision-taking process of masking critical interlock channels.

rMPP Mandate as presented at the MPP workshop – LHC

- restricted MPP (rMPP) introduced during Run 1 (2010) as **complementary body to the MPP**.

- Supports LHC operations and equipment teams for MP related questions, in particular when a **timely decision** is required. Reports to the LMC.

- Mandate (204th LMC):
  - Evaluate the **allowable operational envelope** (no. bunches, total intensity, injected intensity, bunch pattern, β^*...) as a function of the commissioning state of the machine.
  - Define and document the required boundary conditions and **steps for intensity increases**. Final approval of intensity increase by LMC.
  - **Define boundary conditions for MDs and special (physics) runs** related to machine protection.
  - **Discuss MP related issues that arise during operation and require timely reaction.**

- Chair/deputy: M. Zerlauth/J. Uythoven (since 2016).

- Presently, 13 members from MPE, MP3, RF, BI, OP, COLL, ABT, LPC.

- Minutes and MD/operational procedures in EDMS.

Proposal

Proposal rMPP members Injectors

E-group: *lhc-mp-panel-injectors (Static)*

Name	
UYTHOVEN, Jan (TE-MPE-MI)	*also LHC*
KAIN, Verena (BE-OP-SPS)	
LOMBARDI, Alessandra (BE-ABP-HSL)	
MIKULEC, Bettina (BE-OP-PSB)	
NISBET, David (TE-EPC-CCE)	
TECKER, Frank (BE-OP-PS)	
WENNINGER, Jorg (BE-OP-LHC)	*also LHC*
WIESNER, Christoph (TE-MPE-PE)	*also LHC*
WOLLMANN, Daniel (TE-MPE-PE)	*also LHC*

■ To note:

☐ rMPP members don't know everything. The main function is to have a point of **"stop – think – decide – communicate - record"**

☐ If one does not feel comfortable about a decision, other members can be contacted

☐ Decision to be recorded in existing edms structure

☐ Complete the existing rMPP mandate

■ Explicitly that the two ⬚ also concern the injectors

- End

rMPP Members (from meeting 27/09/2019) LHC

rMPP members	rMPP members (alternate)
Arjan Verweij (TE-MPE)	Zinur Charifoulline (TE-MPE)
Belen Salvachua Ferrando (BE-BI)	Christos Zamantzas (BE-BI)
Chiara Bracco (TE-ABT)	Wolfgang Bartmann (TE-ABT)
Christoph Wiesner (TE-MPE)	–
Daniel Wollmann (TE-MPE)	–
Jan Uythoven (TE-MPE) – Co-chair	–
Jorg Wenninger (BE-OP)	–
LPC-coordinators	–
Markus Zerlauth (TE-MPE) – Chair	–
Rende Steerenberg (BE-OP)	–
Stefano Redaelli (BE-ABP)	Roderik Bruce (BE-ABP)
Wolfgang Hofle (BE-RF)	Andy Butterworth (BE-RF)