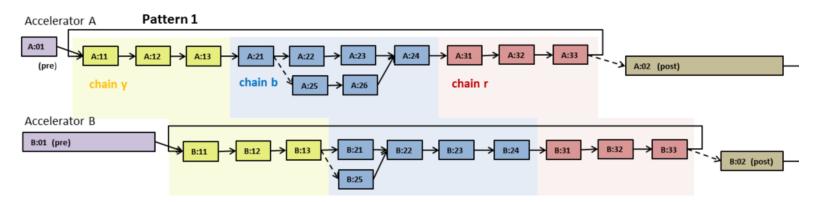


Status of the "Multi Parameter Beam" Feature in the Control System [1/2]



- Fundamental concept documented and foreseen in control system architecture (to be validated again with stakeholders before implementation begins)
 - Different energies (and other beam parameters) to be pre-calculated via "Alternative Beam Processes" and selected via Beam Scheduling System
 - Full solution currently planned not before 2025 because of (other) FAIR requirements



Status of the "Multi Parameter Beam" Feature in the Control System [2/2]



- Intermediate solutions are possible, potential availability and necessary effort depend on concrete requirements
 - Example: Reevaluation of SIS scheduled Pattern limit (currently 4) already suggested for this year, but impact will be limited (expected max still <= 10)
 - Other options that are less restrictive on safety measures and / or less demanding performancewise than the "full solution" are conceivable
- We're open for discussion...
 - ...on requirements, ideas and help (resources?)
 - But even with external help: An intermediate solution would impact existing planning (as experts are rare)!