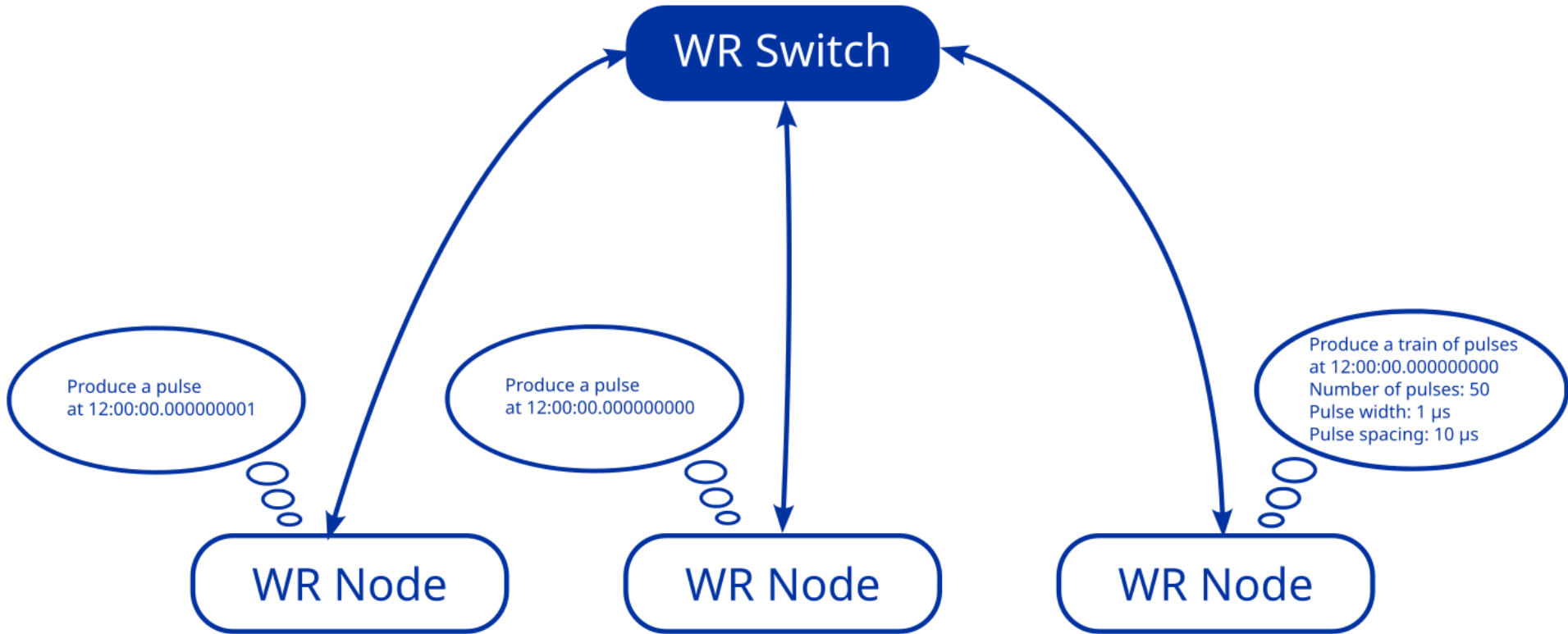


Open discussion session on synchronisation for quantum communication

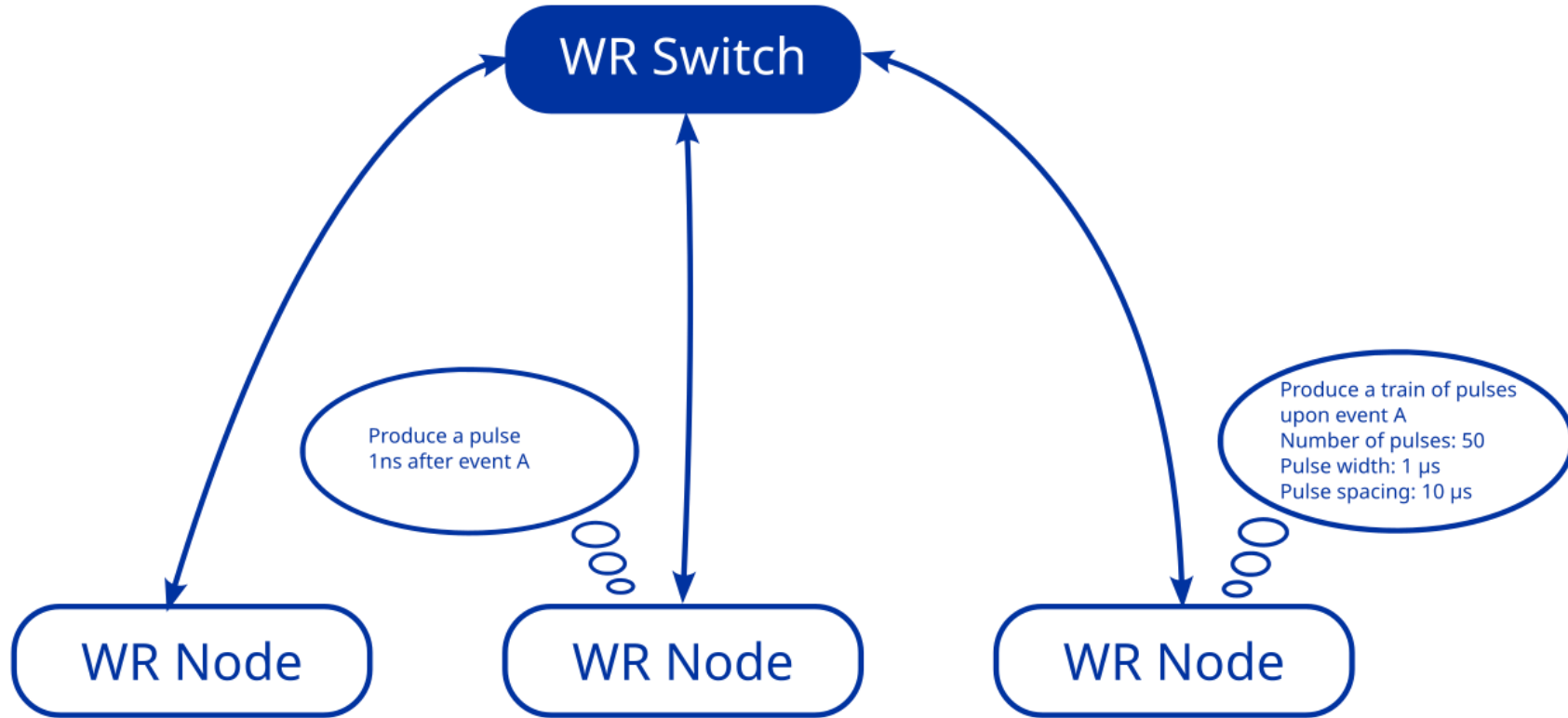


Javier Serrano
WR Collaboration / CERN

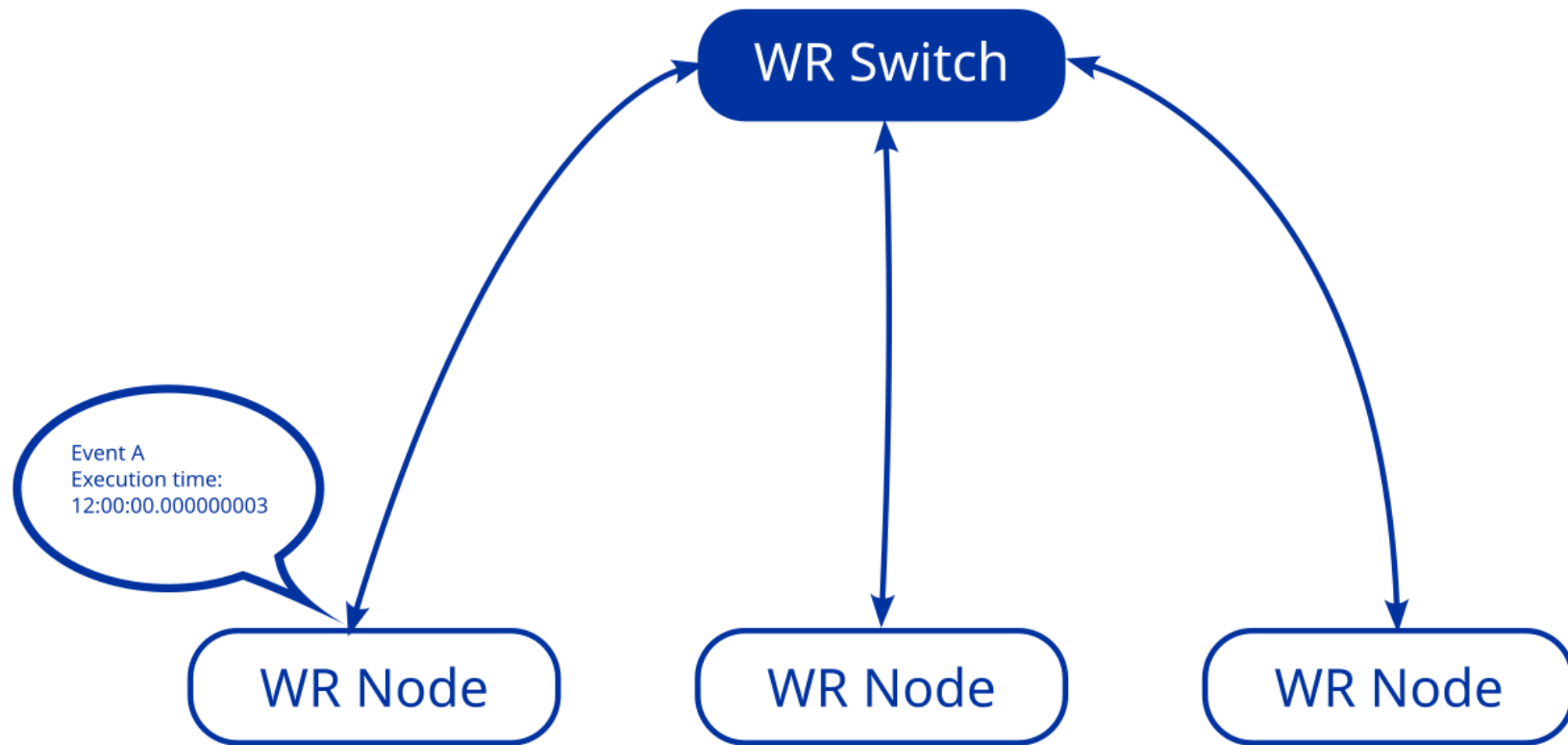
WR-based event system



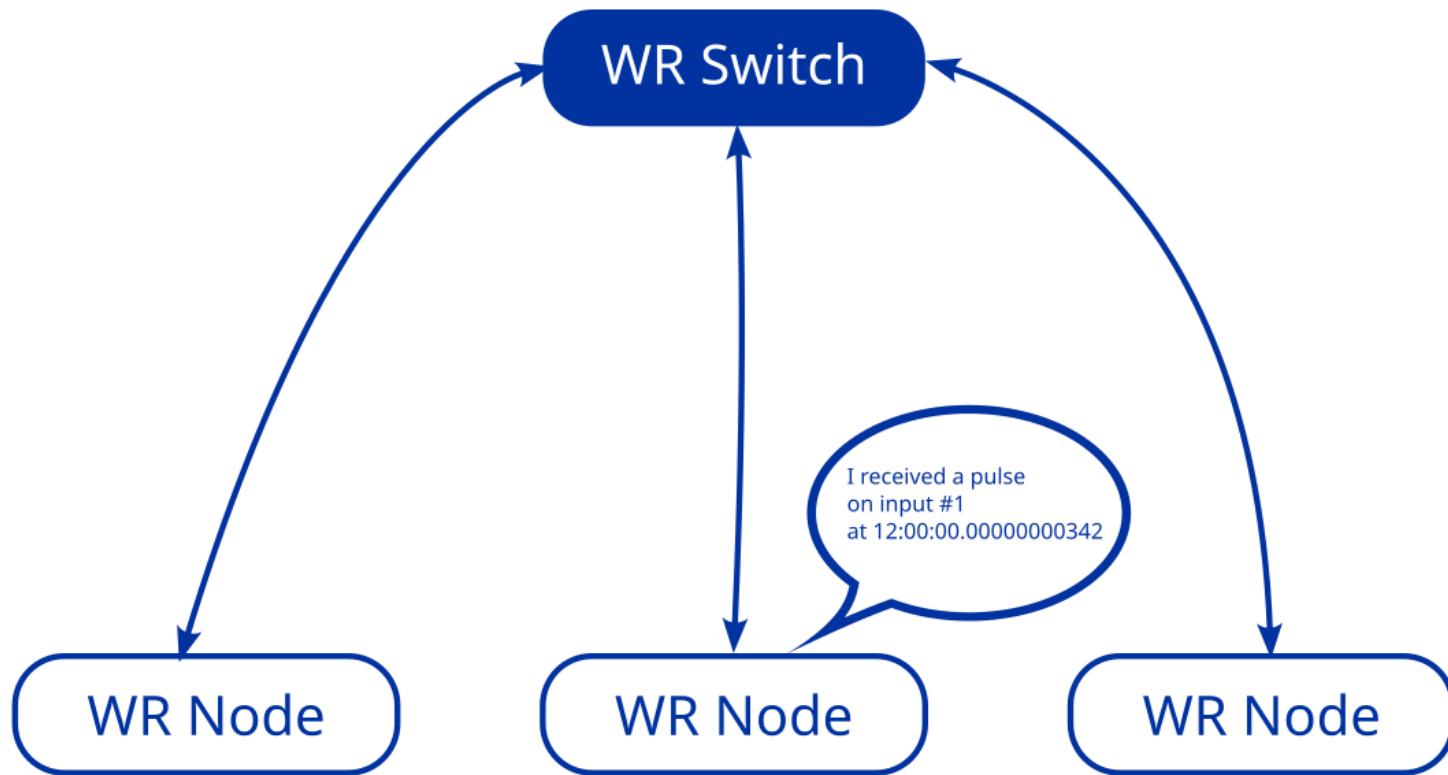
WR-based event system



WR-based event system



WR-based event system



WR-based event system



Points for discussion

- **What is missing in the domain of synchronisation for quantum communication?**
 - Precision/accuracy needs
 - User interface: providing and time-stamping pulses, bursts, etc. Controlling times, repetition rates, duty cycles...
 - Protocols: TSN? Something simpler?
 - Distance requirements
 - Combining or not quantum and classical networks in the same fibre: multiplexing in time vs multiplexing in wavelength
 - Opportunities for standardisation, formal or de-facto
 - Other?
- **What are your plans for the short and medium term?**
- **Can this event spawn one or more collaborative efforts in this domain?**