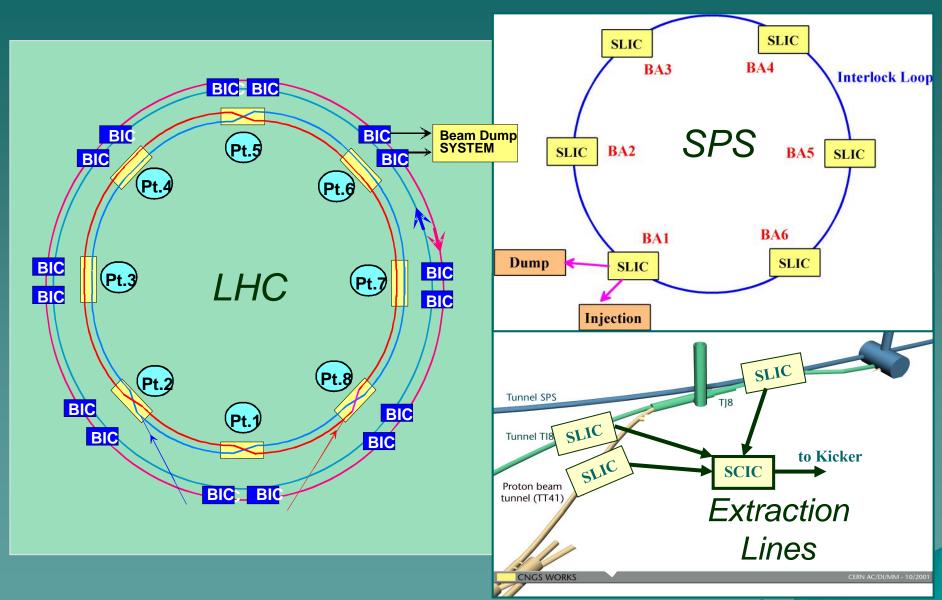
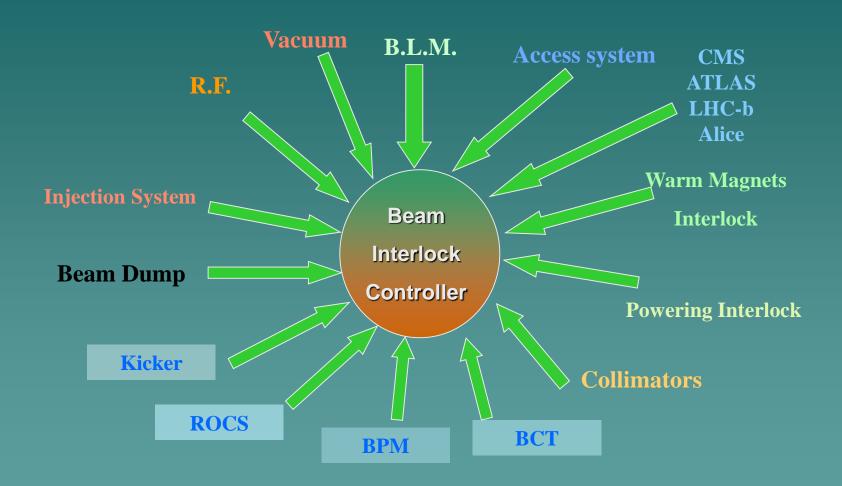
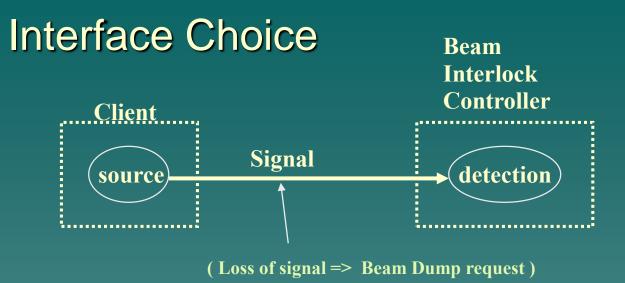
Three Beam Interlock Systems



to a Common Interface (?)





Features:

- Reliable
- Fail-safe
- Fast
- Simple
- Standard

Interface Choice



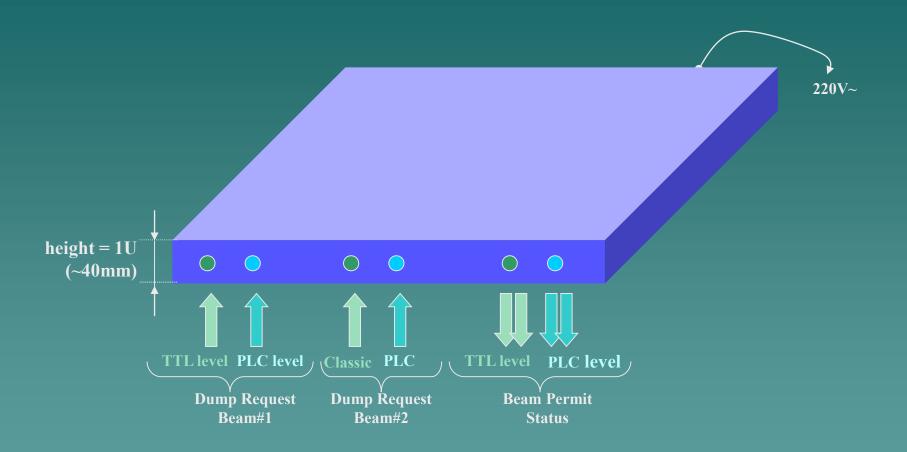
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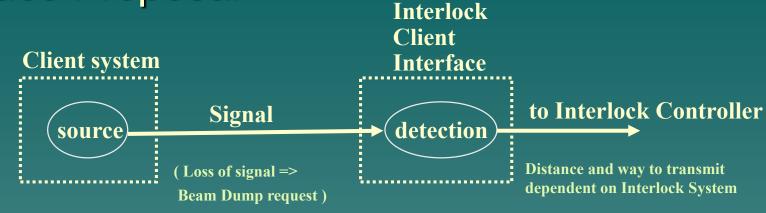
Constraints:

- Various Electronics
- Client Hw already installed (or chosen)
- Distance Client/Interlock
- Signal's choice (current or freq, copper or fibres?)
- 2 beams: Individual or common request ?
- Possible chaining
- Beam Permit Status available to the users

Interlock Client Interface



Interface Proposal



| | PRO | CON |
|------------|---|--|
| Standard? | only one Interface Type for everyone and for 3 Beam interlock Systems | needs 1Unit space in User rack needs the Mains 220V |
| Simple? | Yes: if «Classic» Front-End => TTL level | |
| | if «PLC» => +24Volts signal | |
| Fail-safe? | Yes: if power loss, if cable disconnected | |
| Fast? | quite same | introducing a short delay |
| Reliable? | has to be proven | additional electronic |