

Summary on power supply meeting

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Issues discussed

- Wishlist PS system:
 - Overvoltage protection as close as possible to module (PP or DHH), safty first!
 - Hardware current limit for protection
 - Floating voltages
 - Voltage sense for currents $>20\text{mA}$
 - Tuning of voltages (Asic's, DEPFET)
 - Voltage and current readback \rightarrow important feedback
 - Noise $\sim 1.3\text{mVrms}$ as Bonn supply
 - Acceptable deviation while transients to be analysed

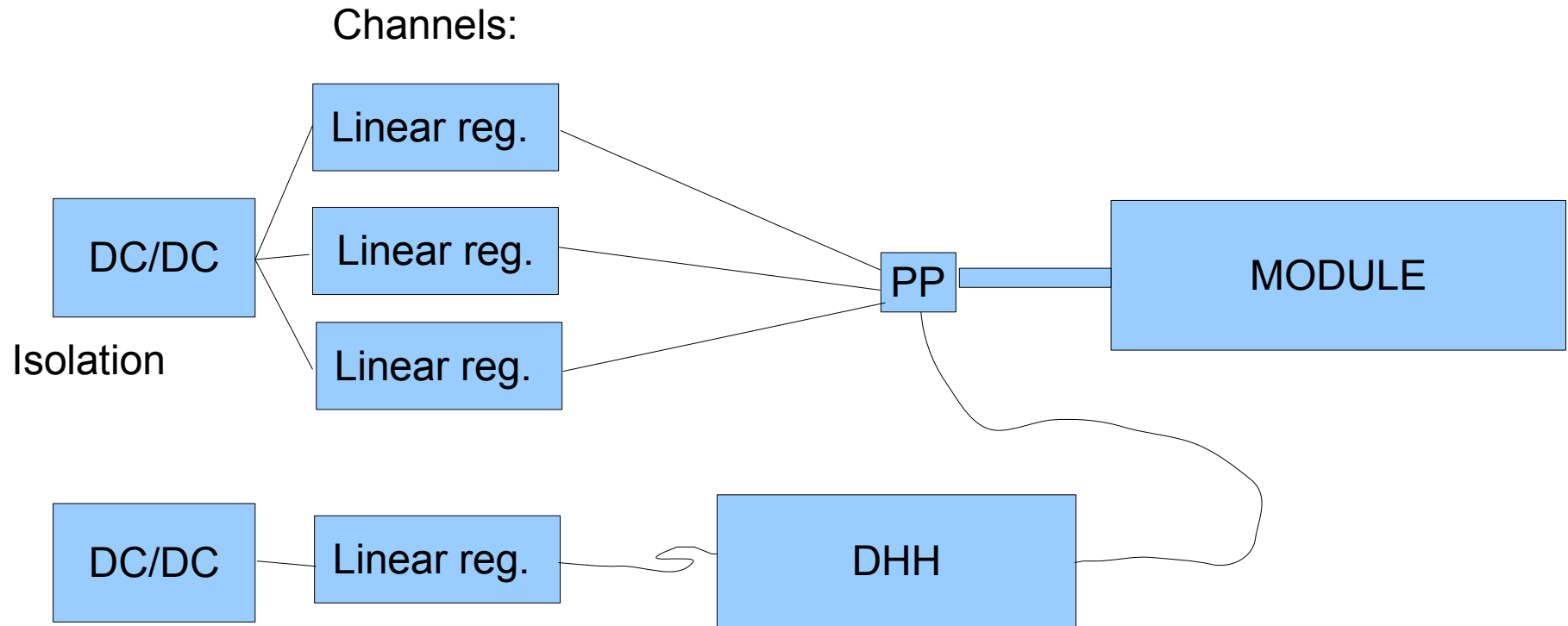
Issues discussed

- Way towards a final system:

	“in house” development	Commercial
Development time	***	**
Long term maintainance	*	***
Costs	**	*

- Hard to to decide now, but we will also look for commercial solutions

Grounding scheme



- Each module PS floating but with common ground
- Pay attention to supply for DHH and PP to prevent ground loop

Next steps

- Build test circuits to check stability and transient behaviour under realistic conditions (LMU, Krakow)
 - Long cables, capacitive loads → is regulation possible over large distance → finally decide location
 - Test with realistic hardware
- Look for possible connectors for PP (Module – PS, DHH) – space, speed, current
- Look for commercial available PS systems