

Eidgenössische Technische Hochschule Zürich Swiss Federal Institute of Technology Zurich



Light readout rack design (DRAFT version 2)

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Y. RIGAUT, protoDUNE-DP Light readout, Internal Meeting









Position for NP02_R14

















CERN

















Detector Technologies











es WA105



Draft for NP02_R14



Y. RIGAUT, protoDUNE-DP Light readout, Internal Meeting





WA105 <<



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8U

4U



Draft for NP02_R14







At the level of the power supply HV, it was planned to use a mainframe *CAEN* SY4527 (8U) for the light readout rack and in the charge readout rack. Further to the proposal formulated by Cyril by email us also study the solution to use a smaller power supply (4U) but only dedicated to the light readout.

Y. RIGAUT, protoDUNE-DP Light readout, Internal Meeting





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NATIVE-C1 - 1u 19' rack-mounted uTCA Chassis

After discussion with Cyril, splitters will be connected with a patch panel of a size of 2 or 3 U according to the setting-up. Then connected (with a special *SAMTEC* cable) to an uTCA of a size of one U which will be connected to the network DAQ dedicated to **NP02**.

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Other:

The remainder of the space will be reserved for light calibration (currently in test and design by Thorsten) and in the material for test (possibility of power plug, oscilloscope...), the last available free spaces remain reserved for the installation of a small UPS in the case of a need for autonomy.

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