

WP1: Mechanical design and integration



Marcela Batkiewicz

H.Niewodniczanski Institute of Nuclear Physics (IFJ PAN), Kraków, Poland

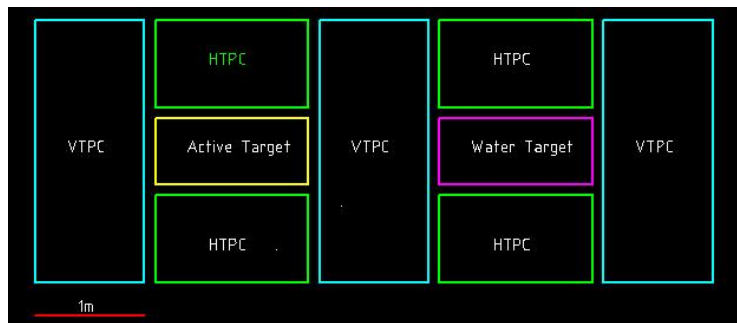
Davide Sgalaberna

University of Geneva

2nd Workshop on Neutrino Near Detectors based on gas TPCs

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Introduction



Goals of WP1:

Mechanical study of new subdetector, detailed design and construction of their support.

Goals of WP1

- 1 Coordination of all mechanical work for the upgrade
- 2 Mechanical structure for the TPC end plates
- 3 Mechanical structure to support each Micromegas and its front-end cards
- 4 Mechanical structure to support the horizontal targets
- 5 Modification of the basket to include the new subdetectors

Goals of WP1

- ❶ Coordination of all mechanical work for the upgrade
- ❷ Mechanical structure for the TPC end plates
- ❸ Mechanical structure to support each Micromegas and its front-end cards
 - ⇒ IFJ PAN: Jacek Świerblewski – design and prototyping of point 2 or 3;
Decision about involvement in construction work will be taken when the project will be more advanced
- ❹ Mechanical structure to support the horizontal targets
 - ⇒ University of Geneva: Franck Cadoux
- ❺ Modification of the basket to include the new subdetectors