# Charged veto plans

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For the charged vetoes working group

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#### **Status**

- Auxiliary equipment status
  - LED driver ready
  - Black box and <sup>90</sup>Sr/<sup>90</sup>Y β<sup>-</sup> positioning setup ready
  - Automatization of the whole measurement to be done
- To be tested on few scintillator bars with 0.5 mm thickness
  - With WLS fiber & R6427 PMT
  - Procedure verification

## **Status**

- Waiting for the scintillator
  - Already produced and stored at UNIPLAST
- Should be ordered ASAP
  - Still lacking a CIG ...
- Simulation of the response to the radioactive source
  - PENELOPE code, see the effect of the reflective coating, nonuniformities
  - Ongoing
- A wishlist with consumables in preparation :)

### <u>Plans</u>

- Be ready with first prototype(s) for the July test beam
  - Testing the MAPMT with fibers
  - Getting some experience with SiPMs
  - Test few configurations at least
    - 100 mrad single bar rotation
    - Time resolution with O(100 MeV) particles
    - Light yield
- Long-term: assemble a complete detector by the end of the year
  - Seem optimistic … but may be doable?
  - Will leave some time window for the non-trivial part of the readout/HV