



Sky-View State of Development in Wuppertal

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Sky-View

State of Development in Wuppertal

- Hardware
 - Photomultiplier and voltage divider
 - Detector development
- DAQ
- Internet presentation
- Summary

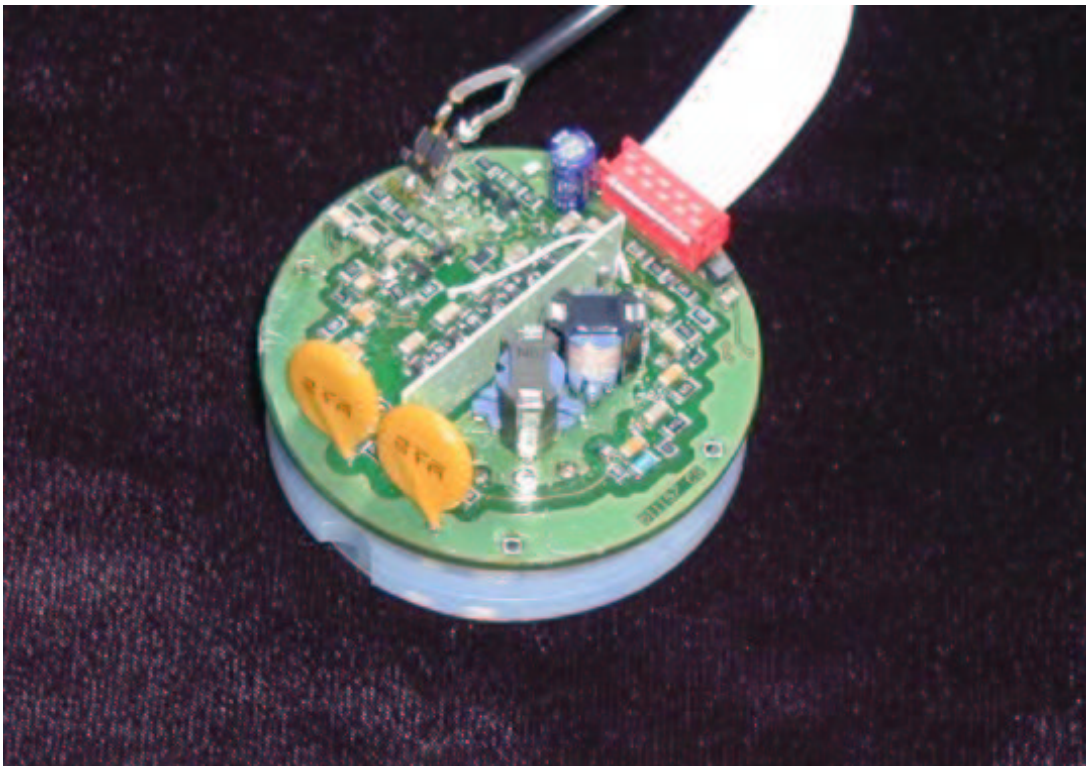
Hardware

→ Photomultiplier

- *Hamamatsu R329-02*
- 2" PM
- 12 stages

→ voltage divider

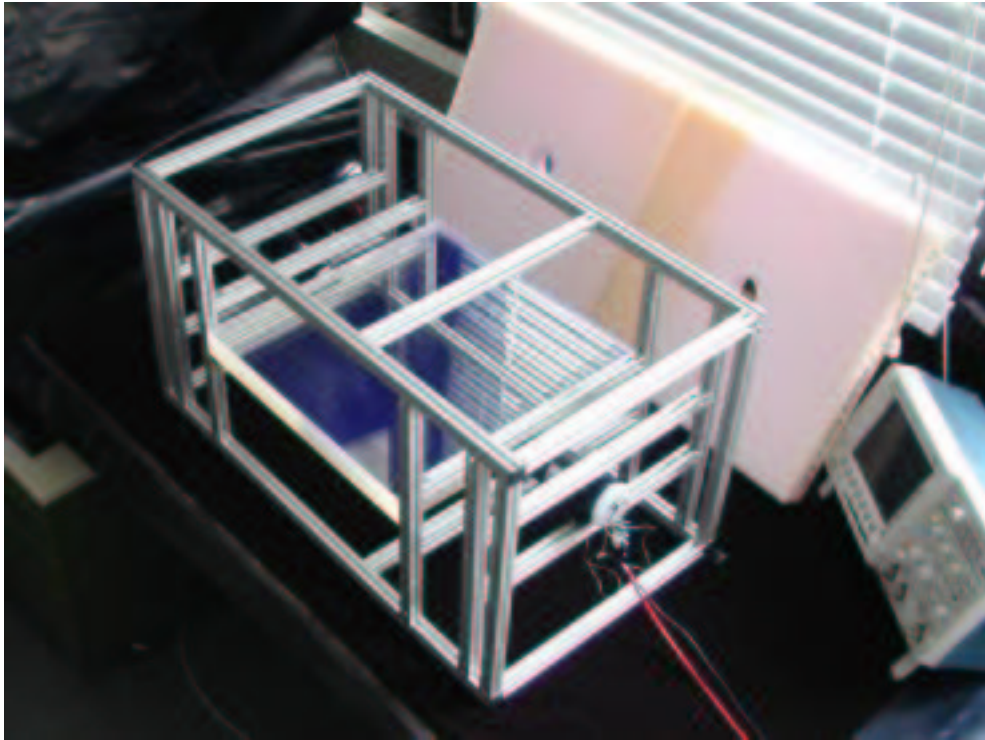
- made by *iseg electronics*
- HV PS compact on the base
- stabilised dynode voltages
- low noise
- control and monitor capabilities



Detector development

The test-station consists of :

- 2 PM
- 40x40 cm² scintillator
- 4 cm thick
- PM looks on the front side of scintillator



Mounting:

- aluminium rods

Detector development

Housing :

- oil barrels
- ➔ light & water poof
- ➔ cheap



nice and blue !

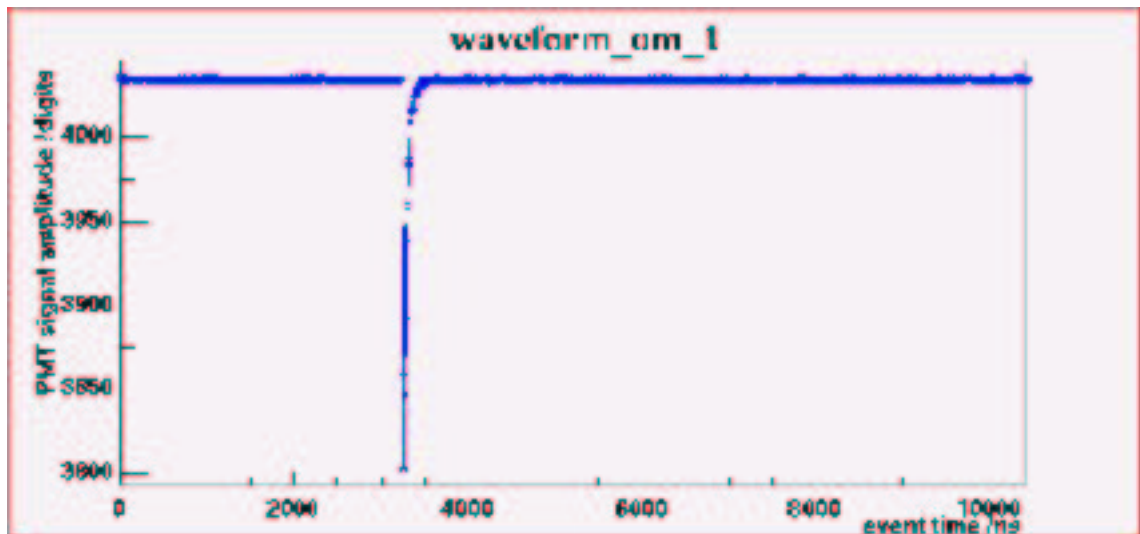
DAQ



Preliminary DAQ:

- 2 PM (2 \in 2 Trigger)
- AMANDA Hardware
- \Rightarrow TWR 100 MHz & 8 channels
- \Rightarrow just for tests of trigger & readout

First signals:



Problem:

- time resolution $\Delta=10$ ns

Solution:

- new electronic is ordered
- 25 ps TDC & ADC (8 channels each)

Internet presentation



www.sky-view.de/



Summary

- ⇒ 4 running test stations this year
- ⇒ working on electronics & DAQ
ADC/TDC will arrive by mid July
- ⇒ MC processing in progress