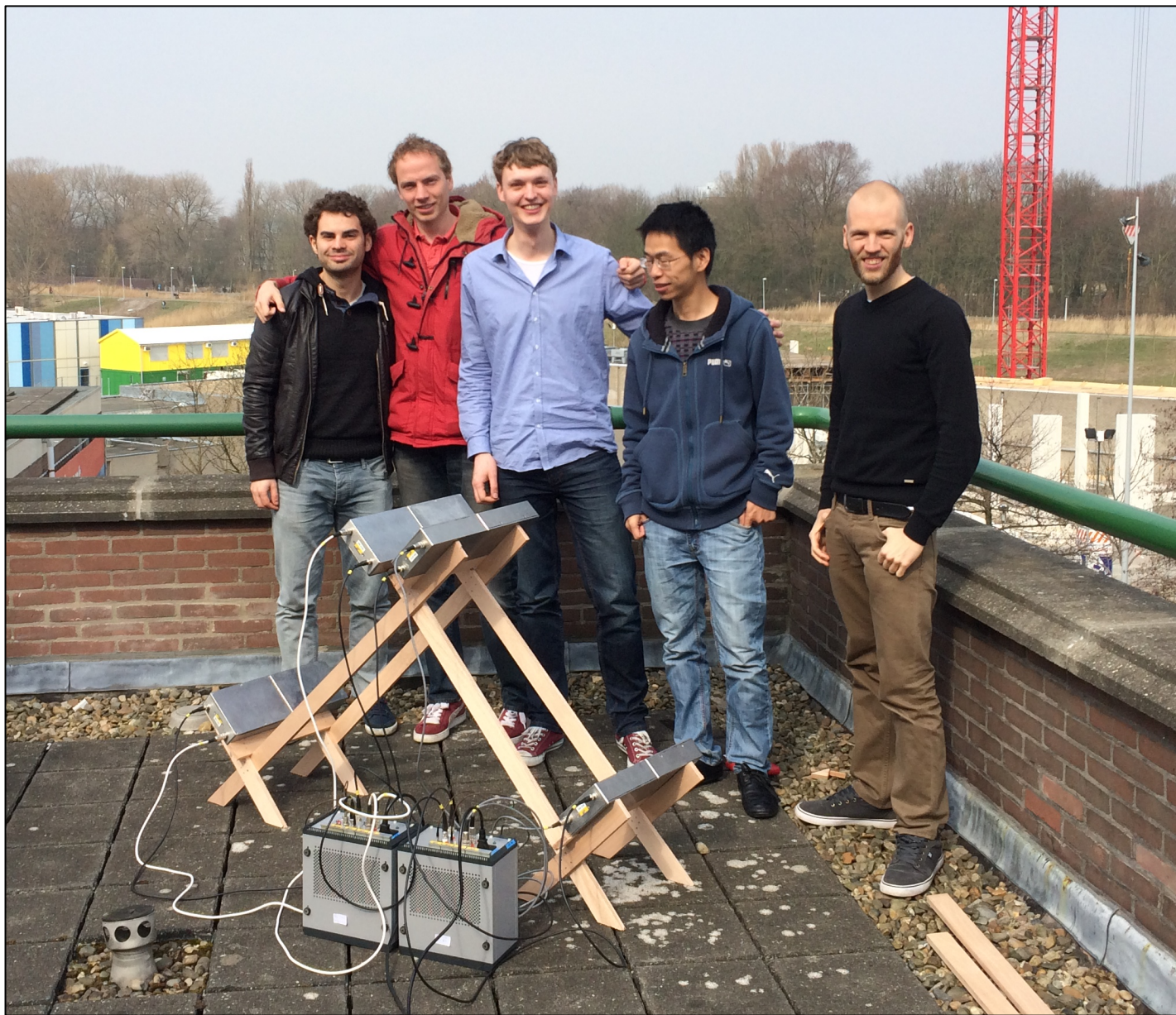


F.O.R. S.C.I.E.N.C.E.

Fast Observatory of Radiation, or
Stellar Coincidence Inclination Experiment, measuring Non-
neutral (i.e. Charged) Events

Luca Calusardu, Jacco de Vries, Conhui Zhang, Erik Hogenbirk,
Stefan Jansen

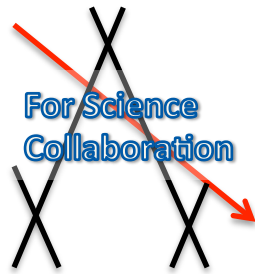


For Science
Collaboration

For Science Collaboration

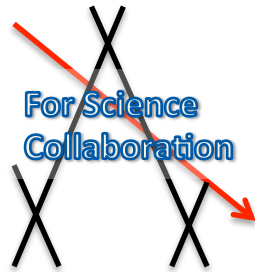
		People Assigned	% Complete	March 2015												
				12	13	16	17	18	19	20	23	24	25	26	27	
F.O.R. S.C.I.E.N.C.E.																
▼	Funding proposal															
	Submitted															
	Accepted															
▼	Detector design															
	Technical proposal															
	Feasibility studies															
	Final design															
▼	Detector construction															
	Material assembly															
	Detector assembly															
	Calibration															
	First science data															
	Second run - 180°															
▼	Data reduction															
	Main analysis															
	Unblinding of data															
	Publication															

Setup



- Drastic setup change w.r.t. TDR (23 Mar. 2015)
 - Updated 24 Mar. 2015
- Angles: 45 deg.
- Distance between coincidental scintillators: 70 cm
 - Opening angle (Zenith): 22.6 deg.
 - Opening angle (Azimuth): 34.9 deg.
 - Sky coverage: 3.8%
- Calibration (PMTs, Thresholds)
 - Tuned thresholds / HV
 - Single Scintillator: ~ 10 Hz
 - Coincidence (on top): ~ 3 Hz

Preliminary results



Run 1 results (2015):

- 2h 45m
- West: 550 +- 23 counts
- East: 530 +- 23 counts

'polarity reversal' X-check:

- 1h 2m
- West: <blinded> +- 13 counts
- East: <blinded> +- 14 counts

→ Stay tuned for run 2!
(Startup expected end of March 2015)