

NWO APP Programme

An opportunity for a CTA proposal



1.5 M€ in total

David Berge
UvA / API / Nikhef

<http://grappa.science.uva.nl>

GRAPPA INSTITUTE
Gravitation AstroParticle Physics Amsterdam



Propose to write separate CTA proposal on

- Establish NL as full CTA resource board member
 - Need to commit to funding operations and site development in '14/'15 for this
 - Total costs for CTA: 2 M€ in 2014, 2.5 M€ in 2015
 - 'Expectation' for NL: 3% of this, **60 k€ in 2014, 75k€ in 2015**
- Instrumentation:
 - High-precision time synchronisation over large distances
 - White Rabbit, this would be interesting work for Km3NET, CTA, LOFAR, SKA, VLBI
 - I am planning an informal afternoon to discuss this, involving Nikhef, ASTRON, Groningen
 - Optional: CHEC for SST mini-array
 - Earliest possible CTA science
 - Likely pushing the available resources