

# CTA membership

## We would like to become full members of CTA

- CTA is the next generation ground based very high energy gamma ray instrument. Open observatory to a wide astrophysics community
- CTA is a new experiment which means we can contribute both on the analysis and the detector side from an early stage
- It is always difficult/impossible to become members during the operation phase
- Some possible problems: Long term sustainability of membership in Norway + Funding

## Membership by Consortium

- Sweden is member as a consortium which makes it easy to add and remove institutes
- We would probably like to do something similar

## Procedure:

- Short presentation in a CTA meeting (done in Toulouse May 2011)
- Submit application (1. November 2011)
- Presentation of application in CTA meeting (Madrid, end of November 2011)
- CM board makes a decision 2nd December

## CTA SCIENCE

- › Supernovae Remnants
- › Pulsar Wind Nebulae
- › Pulsar Physics
- › Star Formation Regions
- › The Galactic Centre
- › X-Ray Binaries & Microquasars
- › Active Galactic Nuclei
- › Extragalactic Background Light
- › Gamma-Ray Bursts
- › Galaxy Clusters
- › Sky Surveys
- › Dark Matter
- › Quantum Gravity
- › Charged Cosmic-Rays
- › Optical Images of Stellar Surfaces

