

Astroparticle Physics White Paper: *Strategy for Swiss contributions to large astroparticle physics research infrastructure*

Addendum

January 2013/JPR

Introduction

The ApP White Paper had been drafted in November and reworked during the first weeks of January. After the internal finalisation, a few additional comments and changes have been brought to the attention of the editing authors:

1. Request to insert the term 'ground-based' in the title.
The title would then read: "Strategy for Swiss contributions to large **ground-based** astroparticle physics research infrastructure".
2. Request to further improve the description of the ISDC's contribution to CTA.
The paragraph under consideration (section 'CTA', subsection 'Swiss contribution', third paragraph) is now divided in two paragraphs, one regarding UniZH and one regarding the ISDC. The two paragraphs read now as follows (new text in **bold print**):
"UniZH has designed and constructed mirror actuators for MSTs and LSTs, which may also be adopted for SSTs as well.
"UniGe-ISDC contributed **in the fields of telescope array simulations, telescope array control and data management definition. In addition ISDC scientists had an important science impact, discovering, among others, the highest energy electrons known in the Universe and one of the few known galactic source of hadronic acceleration. Building on the current achievements, E-ISDC plans to provide CTA with (1) the telescope array data acquisition software (incl. part of the trigger), from the telescope cameras to the raw data files, (2) the software development, support and calibration activities required by the CTA observatory users to get data and perform high-level analysis from the reconstructed events to the astronomical science products, and (3) a lively scientific environment to support and extract CTA results and combine them with the outcome of a spectrum of other astronomical multi-wavelength observing facilities.**"

Comment by the editing authors:

It is well understood that the described Swiss contributions to each of the three projects is a snapshot of today's planning and will most probably evolve over time (in any direction).

The Board (applying Article 27, litt. b) is requested

- **to take note** of these last minute changes to the White Paper "Strategy for Swiss contributions to large astroparticle physics research infrastructure", and to follow the procedure as set out in the cover page of the previous version of the White Paper, i.e.
- **to discuss** the draft White Paper "Strategy for Swiss contributions to large astroparticle physics research infrastructure" (version 28 January 2013), and
- **to approve** it as an official CHIPP Board document, complementing the CHIPP Roadmap and the CHIPP Roadmap Implementation Paper

Required majority: simple