

Agenda

- • Reports, 2020 Observing Program, XMM Heritage Program
- MWL Board
- Astrophysics Agenda for H.E.S.S.-Collaboration Meeting (Obergurgl)
- Strategic discussion: H.E.S.S. extension phase astrophysics goals
- Cross check analysis process
- A&R, publication process, Speaker's Bureau
- Outreach, SOM

Reports

- *Communication:*
 - HESS-AP vibe meetings when needed;
typ. once/month, date/time via poll
 - HESS calender exists; please use it
 - EC meetings bi-weekly (Wednesdays); minutes on confluence:
<https://hess-confluence.desy.de/confluence/display/HESS/Executive+Committee>
- Publication procedure & policy discussed with EC;
is effective now (please communicate & apply)
- HESS School planned (June 2020, near Paris)

The AWGs workings

- Transverse Task(s): -> experiences?
- Tasks outside any AWG?

Observing Program LTS2020

-

XMM multi-year Heritage Program

- **LETTER OF INTENT FOR MULTI-YEAR HERITAGE PROGRAMMES**

- In the next call for XMM-Newton proposals (20th Announcement of Opportunity) a "Multi-Year Heritage Programme" will be offered for the second time.

- This programme seeks scientific visionary projects which require at least 2 Ms of observing time. A total of 6 Ms of observing time, spread over three years, is planned to be made available for this programme.

- In order to organise the evaluation of "Multi-Year Heritage Programme" proposals, interested scientists are strongly urged to send an e-mail as letter of intent to the XMM-Newton Project Scientist (Norbert.Schartel + esa.int) **before 6 March 2020**. The e-mail should contain a draft title, a short (up to three sentences) description of the respective scientific area and an estimate of the required observing time.

- **X-ray properties of Galactic TeV-sources?**
- **What can we achieve with 2-4Ms of XMM time that is sufficiently interesting also for wider community & enable science that can not be done otherwise?**
- **Already decent X-ray observations of many Gal. HESS sources exist**
- **A wide/shallow coverage would need to significantly exceed eROSITA's job**
- **A deeper coverage needs tiling (XMM FoV) & yet the total time shall clearly go beyond a handful of sources**

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MWL Board: *Constituting Session*

- *Goals:*
 - Communicate MWL-related opportunities, events, deadlines, etc relevant for HESS science (proposal deadlines, conferences, ...)
 - Pro-actively communicate MWL information (data, surveys, catalogs, ...) relevant for HESS
 - Support & monitor MWL proposals to other observatories on behalf of HESS
 - Support of projects that require more exhaustive MWL support
 - MoUs & Agreements with other observatories
 - Serve as single point of contact to outside HESS on MWL-related topics
- *Members:* all AWG conveners, AR, SW, ++
- *Chair:* elected from members?...
- *Rules:* ...

MWL Board: *Constituting Session (cont)*

- **MoUs:** SS 433, EBL, ...

SS 433: joint HESS+MAGIC(+VERITAS?) data analysis on joint data sets;

HESS-lead single SS 433 paper

aim for solid HESS-detection of SS 433

MAGIC contact: Alicia Lopez Oramas

HESS task (within Jets-AWG) lead: Laura Oliviera Nieto (+ Emma)

-> formulate Cooperation Agreement (draft exists?): Garret, Emma,

MWL Board: *Constituting Session (cont)*

EBL: joint HESS+MAGIC(+VERITAS?)

- share already published blazar data in a common DL3 format to perform joint analysis of EBL spectrum
- initially rather technical task (exchangable data formats,...)
- Project outside AWGs -> Project within IT/Computing department?
- Possibility of a multi-instrument paper of the EBL in a second step?

HESS: Santiago Pita,

MAGIC: Abelardo Moralejo,

- Which data sets to share?
- MoU

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“Think-shop”:

H.E.S.S.-extension phase astrophysics goals

- HESS as “transient factory”?
- Science from the variable g-ray sky?
- MWL+MM source associations?
- HESS as “pulsar factory”?
- Origin & properties of (Gal. & extragl.) CRs? Signatures?
PeVatrons?
- Populations: Evolution, LF,
- Origin of diffuse emission
- Surveys?

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Cross-check analysis process

- Current projects delayed due to missing cross-check analysis?
-> misunderstanding: cross-checks with RWS always possible
- Status model++, bugfix,
- Gammapy as cross-check analysis tool?