

**KAT****Video meeting via zoom, 1 April 2020, 16:00-17:57 CEST****Present:**

Roland Diehl (RD), Ralph Engel (RE, KIT), Stefan Funk (SF), Andreas Haungs (AH), Thomas Hebbeker (TH, DPG&KET), Marc Hempel (MH, PT-DESY), Jim Hinton (JH), Uli Katz (UK, chair), Manfred Lindner (ML), Federica Petricca (FP), Anna Pollmann (AP, yHEP), Thomas Schwetz-Mangold (TSM), Achim Stahl (AS), Christian Stegmann (CS, DESY), Kathrin Valerius (KV), Jörn Wilms (JW, RDS); Christian Weinheimer (CW, guest for item 5).

**Absent:**

All others.

**Invitation and agenda:**

By email.

**Indico page:**

<https://indico.scc.kit.edu/event/802/>

Summary	Action
<p><b>1. Welcome, agenda, minutes of last meeting</b> In parallel, there is also a video meeting of KET. TH will follow both meetings simultaneously.</p> <p>The draft minutes of the meeting on 5 Dec 2019 in Bad Honnef are available on the Indico page. It was agreed that there is one week of response time to request amendments. If no such requests are received by 14 April 2020, the minutes will be considered approved.</p>	<p>UK: Finalise minutes</p>
<p><b>2. KAT digital committee</b> AH presented news on “digital issues” (see slides on Indico page). He covered NFDI, ErUM-Data, the upcoming Workshop <i>Strategy Computing in HL-LHC era</i>, ErUM-Pro (specifically the application titled <i>Connecting Observatories: Multi-messenger Astronomy in Real-Time (COMMAR)</i>), and the KAT digital committee. Important news:</p> <ul style="list-style-type: none"> <li>• The evaluation process of the NFDI proposals seems to be stalled; in particular, the funding recommendations of the board of experts expected for April are postponed.</li> <li>• Guidelines describing the governance of ErUM-Data have been drafted and are now being translated to English. An editorial team for a proposal for incubation of an ErUM-Data umbrella organisation has been set up, in which astroparticle physics is represented by AH.</li> <li>• The workshop <i>Strategy Computing in HL-LHC era</i> is to be held on 6/7 May 2020. It focusses on particle physics needs but also touches issues of importance to neighbouring fields, such as astroparticle physics. AH and Martin Erdmann are in the organising committee.</li> </ul>	

<p>Finally, AH mentioned the KAT digital committee, which had been established in the previous KAT election period but has meanwhile faded out of activity, also because two of its members have resigned. Based on a set of questions by AH and a set of possible answers by UK (see Indico), the need for such a committee as well as its possible role and inclusion in the KAT guidelines were controversially discussed. The following conclusions were unanimously supported:</p> <ul style="list-style-type: none"> <li>• A corresponding expert group should be formed as a working group (not as a (sub-)committee of KAT).</li> <li>• This working group will have an advisory role and report to KAT.</li> <li>• Its members should be entitled to receive the mandate to represent KAT in different processes (e.g. NFDI or ErUM-Data), and to act as contact persons for KAT.</li> <li>• Mandate and membership of this group will be revisited after each KAT election.</li> <li>• The option of forming working groups will be included in the KAT guidelines.</li> <li>• AH and UK will query candidate names for this working group.</li> </ul>	<p>AH and UK: query proposals for the digital working group membership; UK: include working groups in the KAT guidelines</p>
<p><b>3. Information on different topics</b></p> <ul style="list-style-type: none"> <li>• <u>DPG meetings 2020 and beyond (see message by TH):</u> The meeting 2020 in Bonn has been cancelled. No (partial) replacement by video-streamed presentations is planned.</li> </ul> <p>The locations of the upcoming meetings until 2024 remain unchanged. The venue 2025 will be decided at the general meeting of DPG's particle physics division in 2021. No urgent decisions are required before that meeting.</p> <ul style="list-style-type: none"> <li>• <u>Verbundforschung:</u> First information on the outcome of the evaluation of proposals for the funding period 2020-2023 is expected by end of April.</li> <li>• <u>Dubna:</u> The Russian research centre JINR in Dubna is in the process of updating and renewing its international research cooperations. In this context, topics for a structured BMBF-JINR cooperation are discussed and a first corresponding meeting was held on 17 Jan 2020 (AH participated). There may be substantial interest on the Russian side and in the KAT community to formalise a cooperation in the neutrino sector. S. Schönert has volunteered to take responsibility to represent KAT in this context.</li> </ul> <p>AH will write an email to J. Kroseberg (BMBF/711) to inquire the current status.</p> <ul style="list-style-type: none"> <li>• <u>Status Einstein Telescope (ET) (AS reports):</u> There is good progress on ET in many different aspects: <ul style="list-style-type: none"> <li>○ The Interreg projects ET-Pathfinder (construction of a 10m prototype in Maastricht) and ETest (construction of a test stand for cryogenic mirrors in Liège &amp; geological exploration of the Euregio) have started.</li> <li>○ We had a very positive meeting initiated by V. Dietz at the BMBF on 10 Feb 2020. Participants: H. Dosch (HGF),</li> </ul> </li> </ul>	<p>AH: Contact J. Kroseberg</p>

<p>F. Schüth (MPG), E. Lilienthal, J. Kroseberg, P. Wenzel-Constabel (all BMBF), H. Lück, CS, AS (community). Also, inside HGF there is support and things are moving into the right direction. V. Dietz fully supports ET, but the funding decision will be taken by Staatssekretär Lukas.</p> <ul style="list-style-type: none"> <li>○ The application for the ESFRI roadmap is the current focus of the European community. The deadline was shifted from middle of May to middle of September due to Corona. This gives BMBF more time to decide on a letter of support. The BMBF takes support letters very serious and requires passing a national roadmap-like process as a precondition, for which, however, there is not enough time. V. Dietz promised to find “alternative ways” to express the German support of the project. We are currently scheduling a new meeting with the same people to discuss consequences of the new deadline.</li> <li>○ An application was submitted to Verbundforschung, exclusively focusing on hardware developments. We are now thinking about an application to DFG for a “Schwerpunktprogramm” on multi-messenger astroparticle physics with ET. This would allow analysis-oriented groups to get in touch with ET through their multi-messenger potential with ET.</li> </ul>	
<p><b>4. KAT guidelines</b></p> <p>UK recalled the previous decisions and summarised open questions and the timeline for endorsing the new guidelines. The decision has to be taken by the full community and is expected to happen at the “Zeuthen meeting” in Heidelberg. The following points still need to be addressed:</p> <ul style="list-style-type: none"> <li>• Mention of KfB: It was questioned whether the “Komitee für Beschleunigerphysik” has sufficiently strong ties to KAT to be explicitly mentioned. Historically, KfB had invited a KAT member to join their meetings, the physics background being that plasma processes, e.g. in wake-field acceleration, have similarities to astrophysical plasmas. It was decided that the current formulation is appropriate and should not be changed.</li> <li>• In Bad Honnef, there was some discussion on redefining the thematic constituencies, which has not been continued since then. Corresponding suggestions are to be sent to UK asap, so that a conclusion can be reached at the next meeting.</li> <li>• A mild limitation on the eligibility of KAT members for re-election is to be introduced. It will be formulated using the German phrase “in der Regel”.</li> <li>• Working groups will be introduced (see item 2).</li> </ul>	<p>UK: Prepare new version of the KAT guidelines</p>
<p><b>5. LNGS (CW joins the meeting for this item)</b></p> <p>UK reports that the proposed list of projects was submitted to BMBF on 6 March 2020. The list and the accompanying letter are available on the Indico page. No feedback beyond acknowledgement of receipt was received so far.</p> <p>CW summarises the rationale for selecting the projects and shortly illustrates them.</p>	<p>n/a</p>

<p><b>6. Zeuthen Meeting 2020</b></p> <p>The Zeuthen meeting is planned to be held in Heidelberg/MPI-K, 30 Sept – 2 Oct 2020. ML and JH report that the local organisation has started and that a web page is in preparation. The program organisation, with a strong involvement of young scientists, is to be started soon. AP+M. Schimp and ML+JH will get into contact concerning young scientists participating in the program committee.</p> <p>Clearly, the central question is whether the meeting can be held as planned or has to be cancelled/postponed because of COVID-19. AP mentioned that due to deep worries of many younger scientists concerning their graduation and job situation, their motivation to contribute might be limited. It was decided to call a video meeting in about 4 weeks to take a decision based on the information available then.</p>	<p>UK: Set up Doodle for meeting in about 4 weeks</p>
<p><b>7. AoB</b></p> <p>The video meeting in 4 weeks (see item 6) should also be used to discuss the Corona situation and its implications for KAT-related issues and activities.</p>	<p>n/a</p>

Erlangen, 16 October 2020

Uli Katz