

KAT**Meeting in Frankfurt Airport Centre, 27 Sept 2019, 11:00-16:15 CEST****Present:**

Roland Diehl (RD), Ralph Engel (RE, KIT), Stefan Funk (SF, remote), Camilla Juul Hansen (CJH), Andreas Haungs (AH, deputy chair), Marc Hempel (MH, PT-DESY, remote), Jim Hinton (JH), Uli Katz (UK, chair), Manfred Lindner (ML), Yury Litvinov (YL, KHuK), Harald Lück (HL), Federica Petricca (FP), Michael Schimp (MS, yHEP), Thomas Schwetz-Mangold (TSM), Achim Stahl (AS), Christian Stegmann (CS, DESY), Kathrin Valerius (KV)

Absent:

All others.

Invitation and agenda:

By email.

Summary	Action
<p>1. Minutes of 16 July 2019 (phone call) The minutes are approved.</p>	n/a
<p>2. Report from APPEC (CS) APPEC has a new chair (Teresa Montaruli) and deputy chair (CS). The Helsinki Institute of Physics is a new member; DIAS (Ireland) has left APPEC.</p> <p>Important developments (selection):</p> <ul style="list-style-type: none"> • APPEC chair is observer in ESG (European Strategy Group) for the European Particle Physics Strategy Update. • European Centre for Astroparticle Theory (EuCAPT) established; founding director is Gianfranco Bertone. • Expert panels for $0\nu 2\beta$ and direct dark matter searches established. <p>Upcoming meetings etc.:</p> <ul style="list-style-type: none"> • JENAS-Meeting together with ECFA & NUPPEC, Orsay, 14-16 Oct 2019 • Double-beta town meeting, London, 31 Oct 2019 • Astroparticle town meeting 2020 to discuss European astroparticle strategy (date and place to be decided) <p>An important issue is the development towards a sustainable implementation of APPEC. Currently the (human) resources for coordination and organisation are insufficient. One option under discussion is a central APPEC office hosted by a European lab or institute. It is suggested to apply for some APPEC support through Verbundforschung.</p>	n/a
<p>3. Preparation of Bad Honnef Meeting Topics to be presented and discussed at Bad Honnef were collected. For the Thursday program, a focus on strategic topics relevant in a slightly broader context was decided, with invited presentations by KET, KHuK and RDS, and a consideration of developments such as the CERN strategy and the US Decadal</p>	AH and UK: Set up the program

<p>Review. Also, the “digitisation processes” such as ErUM-Data should receive a slot.</p> <p>On Friday, highlights from the KAT topical constituencies and reports on developments leading to potential large future projects (such as gravitational waves, radio detection or SWGO aka “HAWC South”) are foreseen, plus the reports from KAT, yHEP etc.</p>	
<p>4. “Zeuthen Meeting” 2020</p> <p>Offers to host the meeting were received from Univ. Bochum, TU Dresden, Univ. Erlangen-Nürnberg and MPI-K Heidelberg. KAT expressed a preference for MPI-K, also since previous meeting never had been organised at a Max-Planck institute. The other candidates will be considered with priority for the next meetings.</p> <p>MPI-K was asked to start preparing the meeting, in particular by identifying suitable dates. A formal endorsement of MPI-K as host and the selected date will be on the agenda in Bad Honnef.</p> <p>It was reinforced that young(er) scientist should play a major role in the organisation of this meeting, i.e. in particular in the selection of formats, topics and speakers. The yHEP representatives will support the process of identifying/suggesting suitable program committee members.</p>	<p>ML and JH: Identify suitable date</p>
<p>5. DPG spring meeting 2020, Bonn</p> <p>The programme advisory board for the particle physics division is currently putting together the program. Since the meeting will comprise several divisions, the number of slots for particle physics and consequently the number of slots for astroparticle physics will be significantly lower than at previous meetings. Topics suggested for plenary/main talks include:</p> <ul style="list-style-type: none"> • KATRIN and its new results • GRBs • Results of the LIGO/VIRGO O3 run • Heavy-element production in the Universe • Neutrino fits • XENON1T and/or CONUS <p>Supplementary information: KATRIN and heavy-element production have been selected, in addition there will be an astroparticle presentation in the framework of a symposium on dark matter. Gravitational waves will be covered by the Gravity and GR division.</p>	<p>n/a</p>
<p>6. Call for proposals in Verbundforschung</p> <p>At the time of the meeting the call has not yet been published, but MH has provided information about its contents. KAT expresses concerns that one month between publication and deadline is excessively short, in particular as some University administrations request to receive the (quasi-)final applications two weeks ahead of the deadline.</p> <p>Possible cross-sectional applications were discussed, in particular towards</p> <ul style="list-style-type: none"> • Coordination of KAT and APPEC (cf. item 3); • Data management and computing, where several approaches were suggested (real-time multi-messenger network, a “revival” of the FF-HAP proposal of 2017, CORSIKA); 	<p>AH and UK: Coordinate formation of cross-sectional applications</p>

<ul style="list-style-type: none"> • Outreach: Extend the KONTAKT network (particle and hadron/nuclear physics) to astroparticle physics, possibly including astronomy. <p>An application of the gravitational wave community is in preparation.</p>	
<p>7. Mailing lists and KAT web pages</p> <p>A welcome message for new entries in the “Astroteilchen-Leiter” mailing list was presented and endorsed with caveats on the definition of the membership conditions (in particular the restriction to German affiliation, see item 8). An updated version will be presented at the next meeting.</p> <p>The KAT guidelines, as well as practical needs, require generating and maintaining a list of all members of the “KAT community”. A starting point could be the list of persons entitled to vote in the KAT elections. This list, however, only contains scientists with PhD and is only updated before upcoming KAT elections. It was decided to postpone this discussion until we know whether additional HR will become available through the cross-sectional coordination application in Verbundforschung. Even though not discussed in detail, a similar conclusion applies for the KAT web pages.</p>	<p>UK: Provide updated welcome message</p>
<p>8. Update of KAT guidelines (“Leitlinien”)</p> <p>The KAT guidelines, defining mandate, genesis and operation of KAT, have last be updated in 2014. A main reason for a new version is the intention to generate a larger gap between KAT election and the strategy process for the next Verbundforschung period. In the course of going through the document, various adaptations and editorial modifications were made.</p> <p>The definition of the “German astroparticle community” was discussed at length. KAT agreed that it should not depend on the nationality of individuals. The requirement of an affiliation to a German institute was questioned, examples of desirable exceptions being scientists during a leave of absence abroad or scientists who have moved from Germany to another country. The option to grant, upon request to KAT, membership and voting rights for individuals with strong ties to the German astroparticle community was supported.</p> <p>The final decision on the new guidelines has to be taken at the community meeting 2020.</p>	<p>UK: Prepare new draft version of guidelines</p>

Erlangen, 16 October 202019

Uli Katz