

Manuscript “Design and development of a coaxial cryogenic probe for precision measurements of the quantum Hall effect in the AC regime”

Dear Editor,

The manuscript submitted is an extended version of the paper 31-239-1-DR "A coaxial cryogenic probe for quantum Hall effect measurements in the AC regime" by the same authors, accepted for oral presentation at the IMEKO TC-4.

With respect to the IMEKO TC-4 paper, the present manuscript has been extended:

- Abstract has been expanded to take into account the additional Sections;
- Introduction has been expanded to take into account the additional Sections;
- New figure 3a has been added, caption of figure 3 has been expanded;
- New section 3.1 "GaAs sample" has been added;
- New section 4 "AC quantum Hall effect" has been added;
- New figure 9 and caption has been added;
- New table 1 and caption has been added;
- Conclusions have been expanded to take into account the additional Sections
- The manuscript has now 29 references with respect to the original 16.

On behalf of the Authors,
Martina Marzano

20/12/2020