



Introduction

PAC Meeting 2020

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Institute for Nuclear Physics

PAC Meeting

March 12-13, 2020

Some technicalities ...

Decision to hold this PAC meeting as a video conference:

„ Better safe than sorry ... “ (M. Ripani)


Thank you very much to members of Advisory Committee !

- Test your setup well in advance
- Speakers please speak slowly
- Speakers use mouse (instead of laser pointer) – expect delays in transmission
- Mute your microphone when listening
- Local Mainz participants: we should avoid a crowded Seminar room ...

- September 19: **Onsite review by international review panel**
 - Overall very successful review with following ratings for subprojects: excellent (3), very good to excellent (1), very good (3), good to very good (1)
 - Recommendation by panel to apply no cuts to proposed personnel
 - Absence of junior PIs was remarked, not considered as K.O. criterion
- November 19: **Final decision in DFG senate: no continuation of CRC1044**
 - Issue of missing junior PIs mainly lead to negative decision (some additional negative aspects mentioned, e.g. publication record in experiment in few subprojects)
 - Hiring of 2 postdocs on faculty positions (2nd funding period) not interpreted in favour of us ...
- **Extension of funding for 1 additional year (up to end of 2021)**

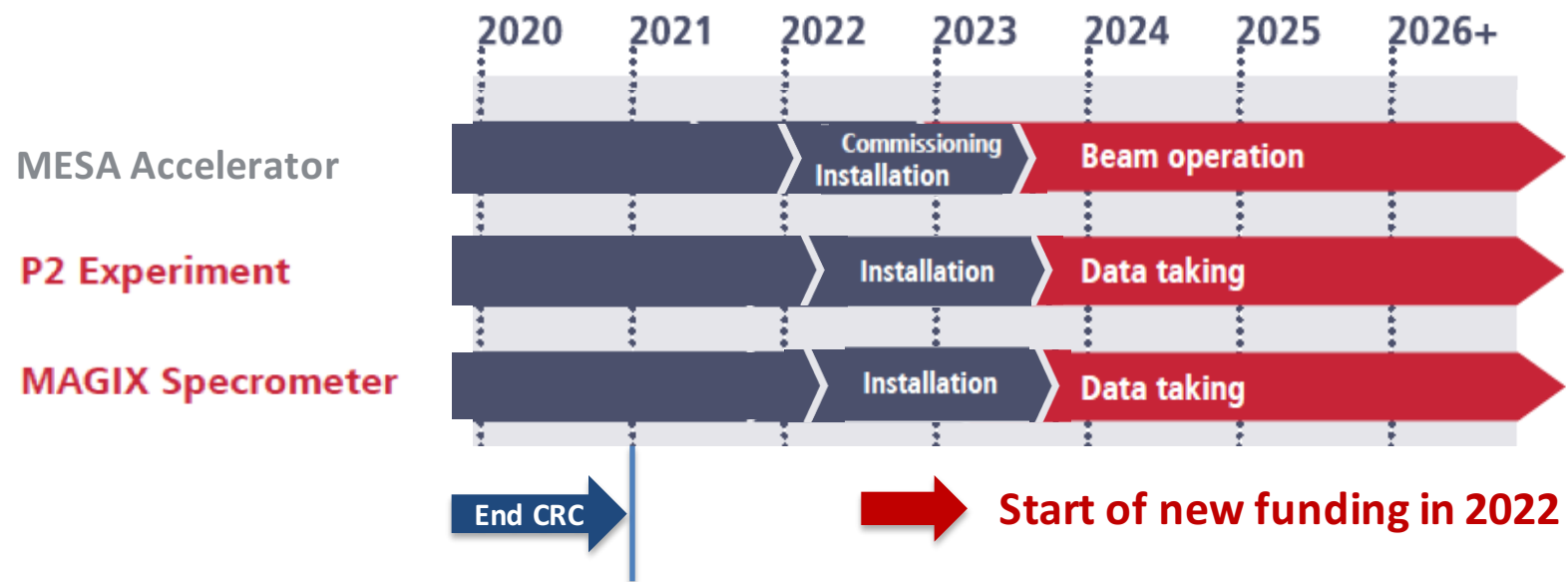
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- DFG decision has **no direct impact** on **running of MAMI** and **construction of MESA**
 - operation of MAMI financed by local state of RLP and JGU
 - funding for MESA mainly by PRISMA / PRISMA+ Cluster of Excellence
 - MESA experiments included as major research infrastructure of CFP research building (proposals submitted in June 2019 for MAGIX and P2 experiments)
- **CRC funding** almost entirely used for funding of **personnel**
 - PhD students and postdocs

 **New major funding source needed via coordinated programme**
(this discussion would have been necessary even in positive outcome for CRC1044)
- Visit by Marc Vdh, A.D., Niklaus Bourdos (research department JGU) to DFG headquarter
 - Expectation by DFG to receive new major funding application from us
 - Diversity in our funding portfolio

The Future

- Initiated a series of **brainstorming sessions** for topics to be included in future proposal
- Preliminary discussions with **potential partners in Germany**
- **Workshop foreseen in week Sept. 7 – 11, 2020**



- Preparing the next steps in close **contact with University management, PRISMA⁺, HIM, ...**
→ bridge the period btw. end of CRC1044 funding and beginning of new funding period

Construction MESA Experimental Hall



Beam Time Proposals

Thursday March 12, 2020

- 14:45 – 15:00 **Introduction to the meeting**
- 15:00 – 15:35 **A2-01 High statistics measurement of the $\omega\pi^0$ transition form factor**
- 15:35 – 16:10 **A2-02 Neutron polarizabilities**
- 16:10 – 16:45 **A2-03 Measurement of the polarization observables T , P , H , and F for $p\pi^0$, $n\pi^+$ (and $p\eta$) final states**
- 16:45 – 17:20 **A2-04 Photodisintegration of transversely polarised deuterons**

Friday March 13, 2020

- 15:00 – 15:35 **A1-01 Quasielastic experiments with ^{12}C and ^{16}O**
- 15:35 – 16:10 **Status report: Proton radius measurement with a Time Projection Chamber at MAMI**
- 16:10 – 16:30 **LOI-01 Measurement of neutron polarizabilities with an active Time Projection Chamber at MESA**
- 16:30 – 16:50 **LOI-02 Measurement of the Electromagnetic Transition Form Factor of the π^0 in the space-like region via Primakoff Electroproduction**