

Status Report 2021 - 2024

Monday, 27 May 2024 15:40 (20 minutes)

please upload draft version here which we may discuss in the meeting

concerning the outlook to future please include your thoughts from the Strategy Paper for POF V which we have discussed all together together and summarised to the Key MU-CML questions for POF V
<https://www.overleaf.com/2111871748vxzqtkqxspxm#0b9b01>
Please use file internal_topic2_cml_original.tex to compile the project

7-8 pages : Understanding the properties of hadrons and their excitation spectrum -> PANDA, HADES, CBM + FAIR Phase-0 worldwide (Jim++)

10-11 pages : Establishing the QCD phase structure and understanding the microscopic properties of QCD matter at vanishing and high net baryon densities -> HADES, CBM, ALICE (Andrea, Ralf, Ilya, TG, Silvia, Joachim, Hannah++)

10-11 pages : Understanding nuclear structure, nuclear reactions, and superheavy elements as well as their relevance for nuclear astrophysics -> NUSTAR + Neutrino from Livia (Christoph++, kindly include Livia to the writing team)

1 page : Understanding the origin of the matter-antimatter asymmetry and testing fundamental symmetries -> EDM at COSY, ALPs with CASPEr (Jörg, Frank++)

1 page each from above : Theory

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