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The SpecTrap Experiment

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On behalf of the SpecTrap collaboration, I will present the physics and status of the SpecTrap experiment located at the HITRAP facility at GSI, Germany. The aim of the experiment is optical and near-optical precision spectroscopy of highly charged ions that are confined and cooled in a dedicated Penning trap. Highly charged ions of interest comprise Bi^{82+} for further studies in the ARTEMIS project, and few-electron ^{229}Th for studies within the HiThor project.

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