

Abstract Submitted
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Recent results and future perspectives from the CB@MAMI programme¹ EVANGELINE JOY DOWNIE, Institut für Kernphysik, Johannes Gutenberg-Universität, Mainz, Germany, A2 COLLABORATION² — The CB@MAMI four-pi spectrometer setup at the A2 Tagged Photon Facility in Mainz, Germany was installed in 2003. Since that time, a series of successful experiments have taken place studying a range of topics from the accurate determination of the eta slope parameter to photon asymmetries in neutral pion threshold photo production. The quality of these results is made possible by the large solid angle coverage of the CB and TAPS spectrometer arrangement in conjunction with the Edinburgh PID detector and two Multi-Wire Proportional Chambers for charged particle identification and tracking. An overview of the Crystal Ball experimental setup will be given and a selection of the physics results that are complete and in production will be shown. The future perspectives for the experiment after the successful MAMI and Glasgow Photon Tagger upgrade to 1.5 GeV and the imminent installation of the Mainz Frozen Spin target will be presented.

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