

The K600 High Energy-Resolution Zero-Degree Facility at iThemba LABS

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The investigation of medium-energy hadronic scattering and reactions at zero degrees has the advantage of being very selective to excitations with low angular momentum transfer. This simplifies analysis of the many contributions to the spectra due to the complex nature of the nuclear interaction. The addition of coincident particle and gamma detection further enhances the selectivity of such a facility. This talk will provide an overview of the high energy-resolution K600 zero-degree facility at iThemba LABS. Recent results and future developments of the facility will be discussed.

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