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Time Domain Transients in BRICS: Now and Future

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Abstract

In this invited contribution I will give an overview of the main science questions currently driving time-domain transient projects around the world. The main players and their facilities will be high-lighted, including the current role of BRICS countries, and the main scientific results. Then a foreword look will be given where the field might be going, an where the BRICS countries may make the most impact. Fast turn-around, large spectroscopic facilities will be crucial, especially with time critical scheduling and combined with large scale database and data processing facilities.