

The 2nd PANDA Symposium on Multimessenger Astronomy - Jets and Shocks in the Universe

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intermediate Palomar Transient Factory: system and first results

Thursday, 25 April 2013 10:00 (15 minutes)

Based on the Palomar Transient Factory (PTF), a major upgrade in both real-time pipeline and survey strategy has been performed in order to better detect very young supernovae and fast transients. The new phase of PTF, intermediate PTF (iPTF), started February 2013. With the new pipeline, we are able to discover a supernova candidate within 30 minutes after an image is taken. In this talk, I will introduce the real-time system of iPTF and its survey strategy. I will also present first results from iPTF from the first few months.

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