

# **Marek Biesiada (NCBJ), Strong lensing in the LSST: new opportunities for cosmology and fundamental physics**

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Strong gravitational lensing is one of the basic predictions of General Relativity. By now it has become a mature research field and brought many important results in extragalactic astronomy and cosmology. However, the potential in this field is much bigger and not sufficiently explored yet. I will review some yet unexplored topics in which strong lensing systems discovered by the LSST may bring a breakthrough, in particular focusing on the experience of LSST Poland team.

**Session Classification :** Cosmology