

XXIX-th International Workshop on High Energy Physics: NEW RESULTS  
and ACTUAL PROBLEMS in PARTICLE & ASTROPARTICLE PHYSICS and  
COSMOLOGY



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## The gamma-ray bursts, core-collapse supernovae and global star forming rate at large redshifts

*Friday, 28 June 2013 15:30 (30 minutes)*

The brief review and discussion of statement of some observational problems of gamma-ray bursts (GRB), GRB host galaxies and star forming at small and large redshifts: Are there similarities and differences between GRB hosts and the typical galaxy population - this is currently the main question for the study of GRB host galaxies. The direct connection between long-duration GRBs and massive stars explosions, GRBs and some puzzles of core-collapse supernovae are discussed. On model-independent observational cosmological tests - GRB rate and star forming rate at high redshifts.

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**Session Classification:** Evening session

**Track Classification:** Dark matter & dark energy