

Jakub Mielczarek

Lista publikacji
z dnia 30 października 2010

Publikacje w czasopismach

1. Mielczarek J., Piechocki W., 2010, **Observables for FRW model with cosmological constant in the framework of loop cosmology**, *Phys. Rev. D* 82(2010): 043529
2. Mielczarek J., Stachowiak T., Szydłowski M., 2010, **Vortex in axion condensate as a dark matter halo**, *Int. J. Mod. Phys. D* 19(2010): 1843
3. Mielczarek J., Kamionka M., Kurek A., Szydłowski M., 2010, **Observational hints on the Big Bounce**, *JCAP* 1007(2010): 004
4. Mielczarek J., Cailleteau T., Grain J., Barrau A., 2010, **Inflation in loop quantum cosmology: Dynamics and spectrum of gravitational waves**, *Phys. Rev. D* 81(2010): 104049
5. Mielczarek J., 2010, **Possible observational effects of loop quantum cosmology**, *Phys. Rev. D* 81(2010): 063503
6. Hrycina O., Mielczarek J., Szydłowski M., 2009, **Asymmetric cyclic evolution in polymerised cosmology**, *JCAP* 0912(2009): 023
7. Mielczarek J., Hrycina O., Szydłowski M., 2009, **Effective dynamics of the closed loop quantum cosmology**, *JCAP* 0911(2009): 014
8. Mielczarek J., 2009, **Tensor power spectrum with holonomy corrections in LQC**, *Phys. Rev. D* 79(2009): 123520
9. Mielczarek J., 2009, **Multi-fluid potential in the loop cosmology**, *Phys. Lett. B* 675(2009): 273
10. Hrycina O., Mielczarek J., Szydłowski M., 2009, **Effects of the quantisation ambiguities on the Big Bounce dynamics**, *Gen. Rel. Grav.* 41(2009): 1025
11. Mielczarek J., 2008, **Gravitational waves from the Big Bounce**, *JCAP* 0811(2008): 011
12. Mielczarek J., Szydłowski M., 2008, **Universe emerging from a vacuum in loop-string cosmology**, *JCAP* 0808(2008): 014
13. Mielczarek J., Szydłowski M., 2008, **Emerging singularities in the bouncing loop cosmology**, *Phys. Rev. D* 77(2008): 124008
14. Mielczarek J., Stachowiak T., Szydłowski M., 2008, **Exact solutions for Big Bounce in loop quantum cosmology**, *Phys. Rev. D* 77(2008): 123506
15. Mielczarek J., Szydłowski M., 2007, **Relic gravitons as the observable for Loop Quantum Cosmology**, *Phys. Lett. B* 657(2007): 20