

STARS2015 - 3rd Caribbean Symposium on Cosmology, Gravitation, Nuclear  
and Astroparticle Physics / SMFNS2015 - 4th International Symposium on  
Strong Electromagnetic Fields and Neutron Stars

Contribution ID: 54

Type: **Talk**

## Magnetic field decay in radio pulsars

*Friday 15 May 2015 12:00 (30 minutes)*

We apply a new method to probe evolution of the magnetic field of normal radio pulsars in the range of ages from several tens of thousand years to several hundred thousand years. It is demonstrated that in the period  $\sim 80000$ - $300000$  years the field decay by a factor  $\sim 2$ . We discuss how this evolution can be related to the Hall cascade and Hall attractor.

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**Track Classification:** SMFNS2015