

Seminarium Astrofizyczne  
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Hoża 69 pawilon sala 118

**Oleh Petruk**

(Institute for Applied Problems in Mechanics and Mathematics, Lviv, Ukraine)

### **Polarized emission from supernova remnants**

Polarized radio emission has been mapped with great detail in many Galactic supernova remnants (SNRs), but has not yet been exploited to the extent it deserves. We have developed a method to model polarization maps for SNRs. It consists in the magnetohydrodynamic modeling, in the kinetic description of the accelerated particles as well as of the generation and dissipation of the turbulent component of magnetic field. In the talk, I will give a general review on cosmic rays in SNRs and present the prospects the polarized emission from SNRs may open in this field.

Serdecznie zapraszam,  
Agnieszka Majczyna