Contribution ID: 122 Type: Oral

## SPIN WAVES PROPAGATION IN CURVED ANTIFERROMAGNETIC NANOWIRES: RING AS A CASE OF STUDY

Here we theoretically investigate spin waves excitations in antiferromagnetic spin chain of ring shape. We show that such system's ground magnetization distribution is oriented along normal to the ring plane direction. The spin wave spectrum of ring forms four different asymmetric branches.

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Track Classification: Physics of Magnetism