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Alf Onshuus* (aonshuus@uniandes.edu.co), University of Los Andes, Departamento de Matemáticas, Cra 1 NO 18A-10 Bloque H, Santa Fe de Bogota, Colombia. *Ordered groups definable in o-minimal theories.*

In this talk we will show that every ordered group G definable in an o-minimal theory (for example the real field) has a normal series $N_1 \unlhd \dots \unlhd N_r = G$ where r is the dimension of G and such that N_{i+1}/N_i is a ordered abelian o-minimal group. We will then state results which will bring us closer to a complete characterization of such groups. (Received September 20, 2010)