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Rudolf R. Maier* (maierr@mat.unb.br), Departamento de Matemática - IE, Universidade de Brasília (UnB), Brasília, Brazil. *Central-by-Chernikov groups*.

We communicate that the following publication is in preparation: *Metabelianly detectable finiteness properties of soluble groups*. As an example of a result in the framework of this paper, we want to present in our short talk the line of a proof for the following

Theorem. *A solvable-by-finite group G has Chernikov center factorgroup, if and only if, the metabelian subgroups of G have this property.* (Received January 16, 2008)