1113-35-20 **Antonio Vitolo*** (vitolo@unisa.it), Dipartimento di Matematica, Universita' di Salerno, via Giovanni Paolo II, 132, 84084 Fisciano, Salerno, Italy. *ABP Maximum principle and Hölder estimates for degenerate elliptic operators.*

Due to a recent result by Imbert, the Alexandroff-Bakelman-Pucci estimate (ABP) continues to hold for viscosity solutions of degenerate elliptic operators which are uniformly elliptic for "large" gradients. We extend this ABP estimate to possibly unbounded cylindrical domains of Cabré type, for viscosity solutions of both singular and degenerate elliptic equations, generalizing previous results. Moreover, we also refine the estimates in order to obtain the global Holder continuity of solutions in cylindrical domains suitably strengthening the measure-geometric condition of Cabré. (Received June 29, 2015)