1108-35-407   **L Korobenko**, Hamilton, Ontario , Canada, **C Rios**, Calgary, Alberta , Canada, **E Sawyer***, 1280 Main St. W., Hamilton, Ontario , Canada, and **R Shen**, Hamilton, Ontario , Canada. *Local boundedness and continuity of weak solutions to certain infinitely degenerate elliptic equations with rough coefficients.* Preliminary report.

We report on work in progress on establishing local boundedness and continuity of weak solutions to L = (d/dx)2 + f(x)(d/dy)2 where f is rough and vanishes to infinite order at 0. The corresponding case when f is smooth in known to be hypoelliptic from work of Fedii. (Received January 19, 2015)