

1136-60-230

**Parisa Fatheddin\*** (parisa.fatheddin@afit.edu), 2950 Hobson Way, Wright-Patterson AFB, OH 45433, **P. Sundar** (psundar@lsu.edu), Louisiana State University, Baton Rouge, LA 70803, and **Jie Xiong** (jiexiong@umac.mo), Macau, Peoples Rep of China. *The Law of the Iterated Logarithm for a Class of SPDEs*. Preliminary report.

We introduce a class of SPDEs used to characterize two population models: super-Brownian motion and Fleming-Viot Process. First we derive the moderate deviation principle for the class and the models applying the weak convergence approach, then use the results to obtain the classical and Strassen's compact laws of the iterated logarithm. This is from joint work with P. Sundar and Jie Xiong. (Received January 16, 2018)