1119-37-228 **Zeng Lian** (zenglian@gmail.com), School of Mathematics, Sichuan University, Chengdu, Sichuan 610064, Peoples Rep of China, **Peidong Liu** (lpd@pku.edu.cn), School of Mathematics, Peking University, Beijing, Beijing 100871, Peoples Rep of China, and **Kening Lu*** (klu@math.byu.edu), Department of Mathematics, Brigham Young University, Provo, UT 84602, Peoples Rep of China.
SRB measures for a class of partially hyperbolic attractors in Hilbert spaces.

We study the existence of SRB measures and their properties for infinite dimensional dynamical systems in a Hilbert space. We show several results including (i) if the system has a partially hyperbolic attractor with nontrivial finite dimensional unstable directions, then it has at least one SRB measure; (ii) if the attractor is uniformly hyperbolic and the system is topological mixing and the splitting is Hölder continuous, then there exists a unique SRB measure which is mixing; (iii) if the attractor is uniformly hyperbolic and the system is non-wondering and and the splitting is Hölder continuous, then there exists at most finitely many SRB measures; (iv) for a given hyperbolic measure, there exist at most countably many ergodic components whose basin contains an observable set. (Received February 16, 2016)