1127-35-126   **HAO JIA*** (`jiahao@math.ias.edu`), NJ 08540. *Channel of energy inequality for small energy wave maps and applications.*

We apply a recent channel of energy inequality for outgoing waves to the study of energy critical wave maps. More precisely, we show that energy concentration near null cone is not possible, and the wave map has a universal profile approaching blow up time for small blow up wave maps. Joint work with T. Duyckaerts, C. Kenig, F. Merle. (Received January 30, 2017)