1046-14-199 **Andrew S Obus*** (obusa@math.upenn.edu), 4203 Pine Street, Philadelphia, PA 19104. *Fields of moduli of three point covers.*

Abstract: In 1989, S. Beckmann showed that the field of moduli M of a 3-point G-Galois cover of the Riemann sphere is unramified at p if p does not divide the order of G. In 2003, S. Wewers showed that if p exactly divides the order of G, then p is at most tamely ramified in M. We ask whether the nth higher ramification group for the upper numbering at p of $\mathrm{Gal}(M/\mathbb{Q})$ vanishes, provided that G has a cyclic p-sylow subgroup of order p^n. We give a positive answer in the case that G does not have a simple composition factor with order divisible by p^n. (Received August 18, 2008)