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**Yeager.** *Piatetski-Shapiro primes from almost primes.*

Let  $\lfloor \cdot \rfloor$  be the floor function. In this talk, we show that for any fixed  $c \in (1, \frac{77}{76})$  there are infinitely many primes of the form  $p = \lfloor n^c \rfloor$ , where  $n$  is a natural number with at most eight prime factors (counted with multiplicity). (Received January 29, 2015)