1052-11-41Sidney W. Graham* (sidney.w.graham@cmich.edu), Department of Mathematics, Central
Michigan University, Mt. Pleasant, MI. The Ideal Sieve. Preliminary report.

I will discuss a simplified sieving problem in which all the sifting primes p lie in the interval $z^{\alpha} . For certain values of <math>\alpha$ and β , we can construct optimal upper and lower bound sieves. This is joint work with Hugh Montgomery. (Received August 04, 2009)