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Brandt Kronholm*, University of Texas Rio Grande Valley, Department of Mathematics,
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Polynomials.*

Divisibility properties for the unrestricted partition function $p(n)$ are well known. Similar congruences for $p(n, m)$, partitions of n into at most m parts, have been established. Let $p(n, m, N)$ denote the number of partitions of n into at most m parts, no part larger than N . These are the coefficients of Gaussian Polynomials. The purpose of this talk is to state and prove theorems regarding infinite families of congruences for $p(n, m, N)$. (Received September 12, 2016)