1172-41-243 **Jens Gerlach Christensen*** (jchristensen@colgate.edu). *Atomic decomposition of Bergman spaces on tube type domains.*

We present atomic decomposition of Bergman spaces on tube type domains over symmetric cones. The approach lifts atoms for Besov spaces of distributions with Fourier transform supported on the cone to the Bergman space via the Laplace transform. The approach extends the range of parameters for which one can produce atoms compared to general unbounded symmetric domains. The results rely on work by Békollé, Bonami, Garrigós and Ricci and are comparable to recent results obtained by Békollé, Gonessa and Nana. (Received August 30, 2021)