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Marco M Peloso* (marco.peloso@unimi.it), Dipartimento di Matematica, Via C. Saldini 50, 20133 Milano, MI, Italy. *Spaces of entire functions in several complex variables*. Preliminary report.

We introduce and study spaces of entire functions in several complex variables whose restriction to a strongly pseudoconvex manifold satisfy some integrability conditions. For these spaces we prove Paley—Wiener type theorems and some other structural properties. These spaces are a natural generalisation of the classical Paley—Wiener space in variable but also define a new class of spaces in the complex plane. We determine some of their structural properties and study the characterisation of sampling, interpolating and complete interpolating sequences. This is report is based on an on-going joint project with A. Monguzzi and S. Salvatori. (Received August 31, 2018)