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53706. *Cohomology support loci of local systems.*

Let X be a smooth complex algebraic variety, and let U be an open subset of X whose complement is a hypersurface. Let L be a local system on U . We will discuss the local behavior of $\mathbf{R}j_*L$, where $j : U \rightarrow X$ is the inclusion map. More specifically, we will talk about the support of Sabbah's specialization complex and its relation with cohomology support loci. (Received January 29, 2016)