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Irreducible representations of Sylow subgroups of symplectic groups

We construct a canonical family of irreducible representations of a Sylow p-subgroup of the symplectic group $\mathrm{Sp}_{2n}(q)$, where q is a power of an odd prime p. Some of these representations appear in the Weil and Steinberg modules of $\mathrm{Sp}_{2n}(q)$, and a connection between the 2-modular reduction of these will be discussed.