

Given an irreducible lattice  $\Gamma$  in the product of higher rank simple Lie groups, we prove: (i) every  $\Gamma$ -invariant von Neumann subalgebra of  $L(\Gamma)$  is generated by a normal subgroup; and (ii) given a non-amenable unitary representation  $\pi$  of  $\Gamma$ , every  $\Gamma$ -equivariant conditional expectation on  $C_\pi^*(\Gamma)$  is the canonical conditional expectation onto the  $C^*$ -subalgebra generated by a normal subgroup. This is joint work with Nikolaos Panagopoulos.