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Non-compact symplectic toric manifolds

I will report on joint work with Eugene Lerman in which we extend Delzant's classification of compact symplectic toric manifolds to the non-compact case. The quotient of a symplectic toric manifold by the torus action is a manifold with corners, Q . The classification is in terms of a "unimodular local embedding" from Q to the dual of the Lie algebra of the torus, plus a degree two cohomology class on Q . The main technical issue is to construct the smooth structure "upstairs" when Q has infinitely many facets.