Renormalization study of Ising Spin Glasses in a transverse field
DAVID CARPENTIER, CNRS - ENS Lyon, PIERRE PUJOL, ENS Lyon — We study an ensemble of Ising spins coupled by random antiferromagnetic/ferromagnetic couplings, and submitted to a (random) transverse field in low dimensions. We use an extension of the Ma-Dasgupta decimation procedure to study the low energy behaviour of this quantum spin glass. Particular attention is paid to the relevance of frustration near infinite disorder fixed points.