Comparison of the outgassing

of KIN and KEX

Fig. 1 shows two outgassing curves of differently treated magnets. KIN was baked-out and KEX not. The outgassing rate was calculated from the steepest tangent of the pressure rise after switching off the getter pump.

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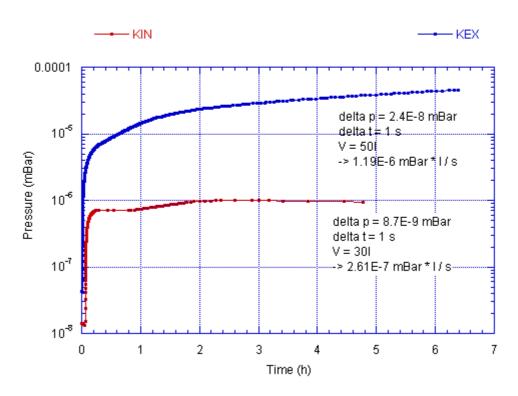


Fig. 1: Comparison of outgassing rates

KEX is about 5 times worse than KIN, which is very probably caused by its bigger volume and some gas, bound at the surfaces. Both magnets can be mounted into the booster and bake-out seems not to be a necessary treatment for booster magnets.