

Cooling sequence of 9.29.2010 (He as buffer gas)

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These are the results of the cooldown started on September 28th, 2010. Fig. 1 shows the measurement cycle with helium gas flowing through the system. Neon was used as a buffer gas to cooldown to around 70 K the G10 tube and the lead shield. Fig. 2 shows a detail of this cooling sequence. Fig. 3 shows the cooldown of the G10 and lead shields when 200 mTorr of He gas was pumped into the system.

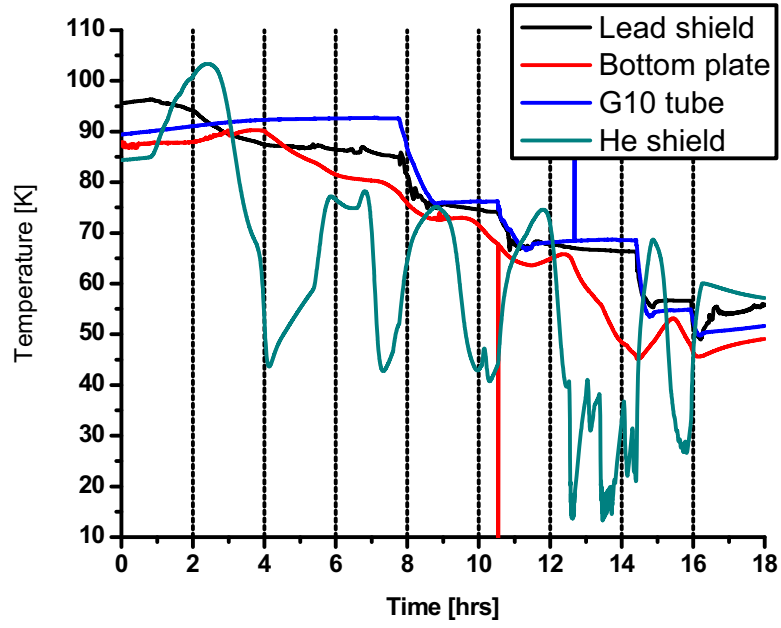


Figure 1: Cooldown sequence of half scale magnet package using cold He gas.

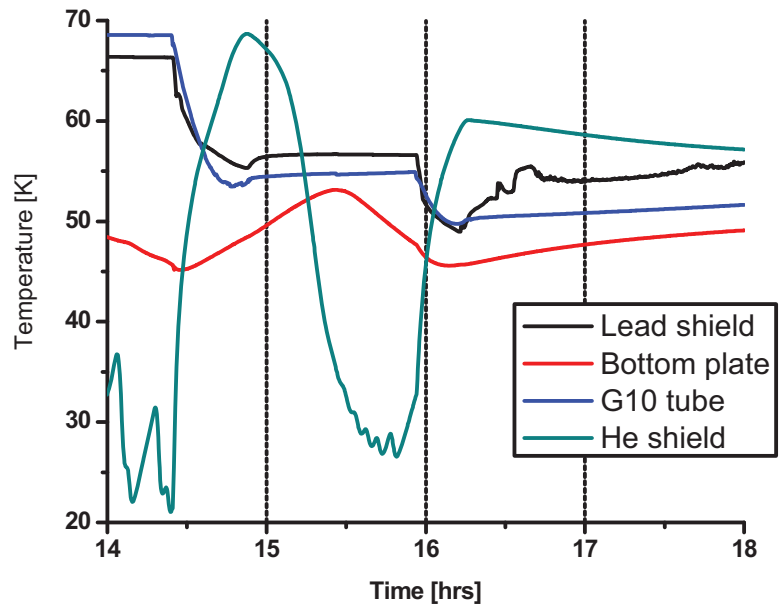


Figure 2: Detail of cooldown sequence.

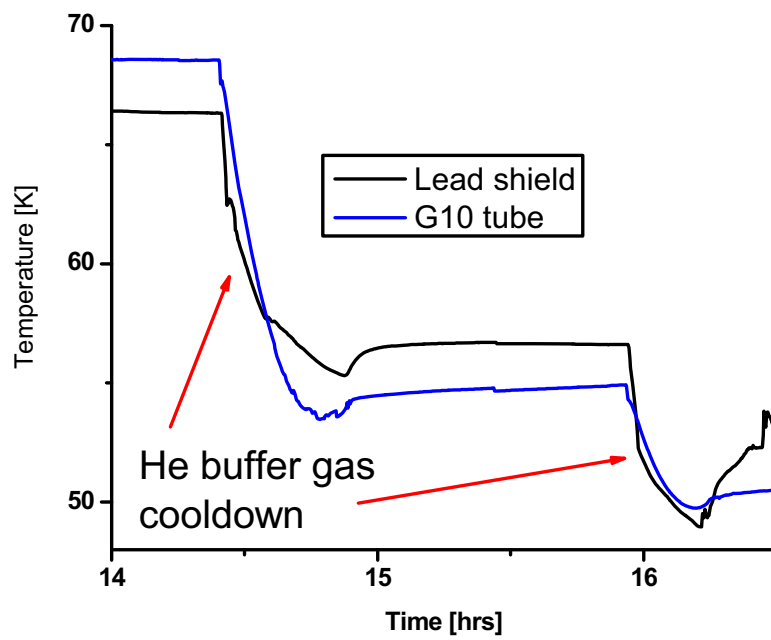


Figure 3: Cooldown sequence of G10 tube and lead shield using helium as a buffer gas.