

7.5 cm beam pipe

$$\lambda = 32.5 \text{ cm}$$

$$n=8 \text{ turns}$$

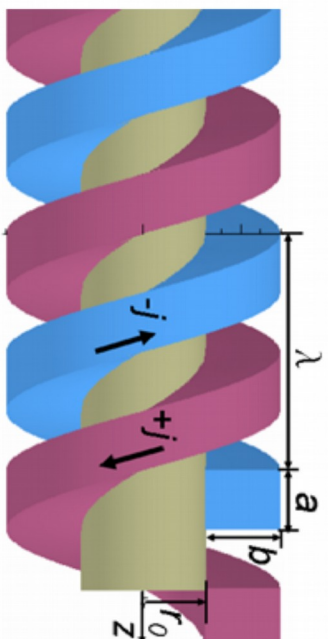
$$l=2.6 \text{ m}$$

$$r_0 = 3.5 \text{ cm}$$

$$b = 5 \text{ cm}$$

$$a = 5 \text{ cm}$$

$$j = 0.72 \text{ kA/cm}^2$$



Conductor

$$x=y=0.25''$$

hole diameter 0.125''

$$n_x=8, n_y=8$$

Cooling and power supply

$$\Delta t=35^\circ (\Delta t=45^\circ)$$

$$\Delta p = 120 \text{ kPa} (\Delta p = 0.93)$$

$$P = 11 \text{ kWatt}$$

9.0 cm beam pipe

$$\lambda = 32.5 \text{ cm}$$

$$n=8 \text{ turns}$$

$$l=2.6 \text{ m}$$

$$R_0 = 4.5 \text{ cm}$$

$$b = 5 \text{ cm}$$

$$a = 5 \text{ cm}$$

$$j = 0.91 \text{ kA/cm}^2$$

Conductor

$$x=y=0.25''$$

hole diameter 0.125''

$$n_x=8, n_y=8$$

Cooling and power supply

$$\Delta t=35^\circ (\Delta t=45^\circ)$$

$$\Delta p = 240 \text{ kPa} (1.8 \text{ kPa})$$

$$P = 19.5 \text{ kWatt}$$