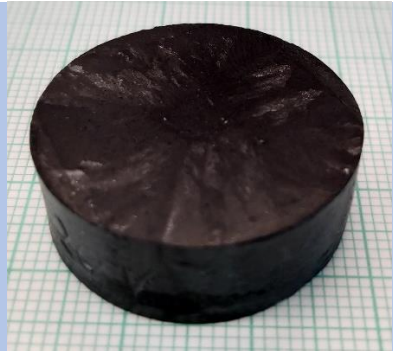
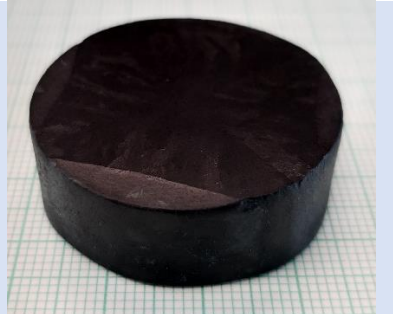


## Datasheet YBCO Medium Levitation Disks (CSYL-28, CSYL-35)

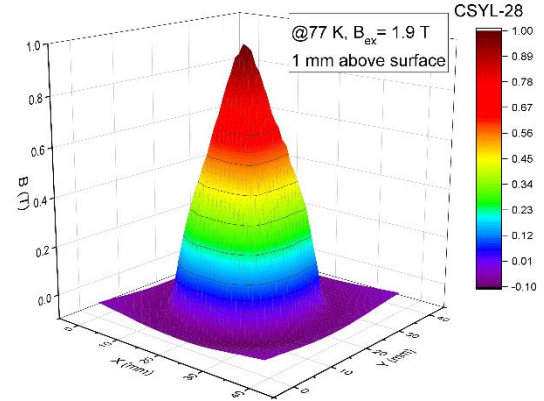
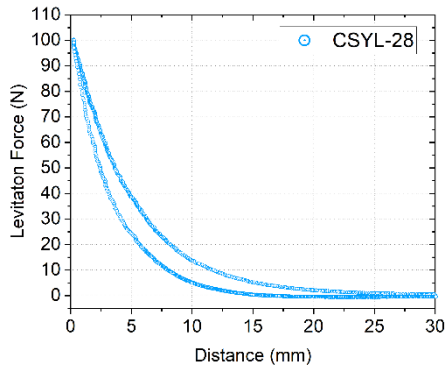
Medium disks - Parameters				
CSYL-28		Diameter	<b>28 ± 1.3</b>	mm
		Height	<b>10 ± 0.1</b>	mm
		Mass	<b>35 ± 3</b>	g
		Levitation force (std)	<b>85-100</b>	N
		Levitation force (min)	<b>70</b>	N
		Trapped field (std)	<b>0.9</b>	T
		Trapped field (min)	---	---
CSYL-35		Diameter	<b>35 ± 1.5</b>	mm
		Height	<b>12 ± 0.1</b>	mm
		Mass	<b>70 ± 5</b>	g
		Levitation force (std)	<b>105-120</b>	N
		Levitation force (min)	<b>100</b>	N
		Trapped field (std)	<b>1.0</b>	T
		Trapped field (min)	---	---

### Experimental conditions

- Levitation force**  
 Magnet: NdFeB (N52), Ø25mm, h25mm, Zero field cooling  
 77 K – liquid nitrogen, 0.2 mm/s feed rate
- Trapped field**  
 External field 1.9 T, Field cooling, 77 K – liquid nitrogen  
 1 mm above surface (mapping), Handheld probe for peak value  
 Calibration of Hall sensors for 77 K

## Medium disks – examples of measurements

CSYL-28



CSYL-35

