

# P18 – one of LHC cryogenic island

**Liquid or gas storage**  
(3000 m<sup>3</sup> – GHe at 2 MPa / 240 m<sup>3</sup> –  
LHe / 100 m<sup>3</sup> – LN<sub>2</sub>)



**4.5 K refrigerator**  
18 kW K cooling power  
(4.5 MW electrical  
consumption)



**1.8 K refrigeration unit**  
2.4 kW cooling power  
(0.4 MW electrical  
consumption)



*Surface*  
*Underground*

**Interconnection cold box**



**Cryogenic transfer lines**  
(total length > 3.4 km)

# LOCATION OF POINT 18

