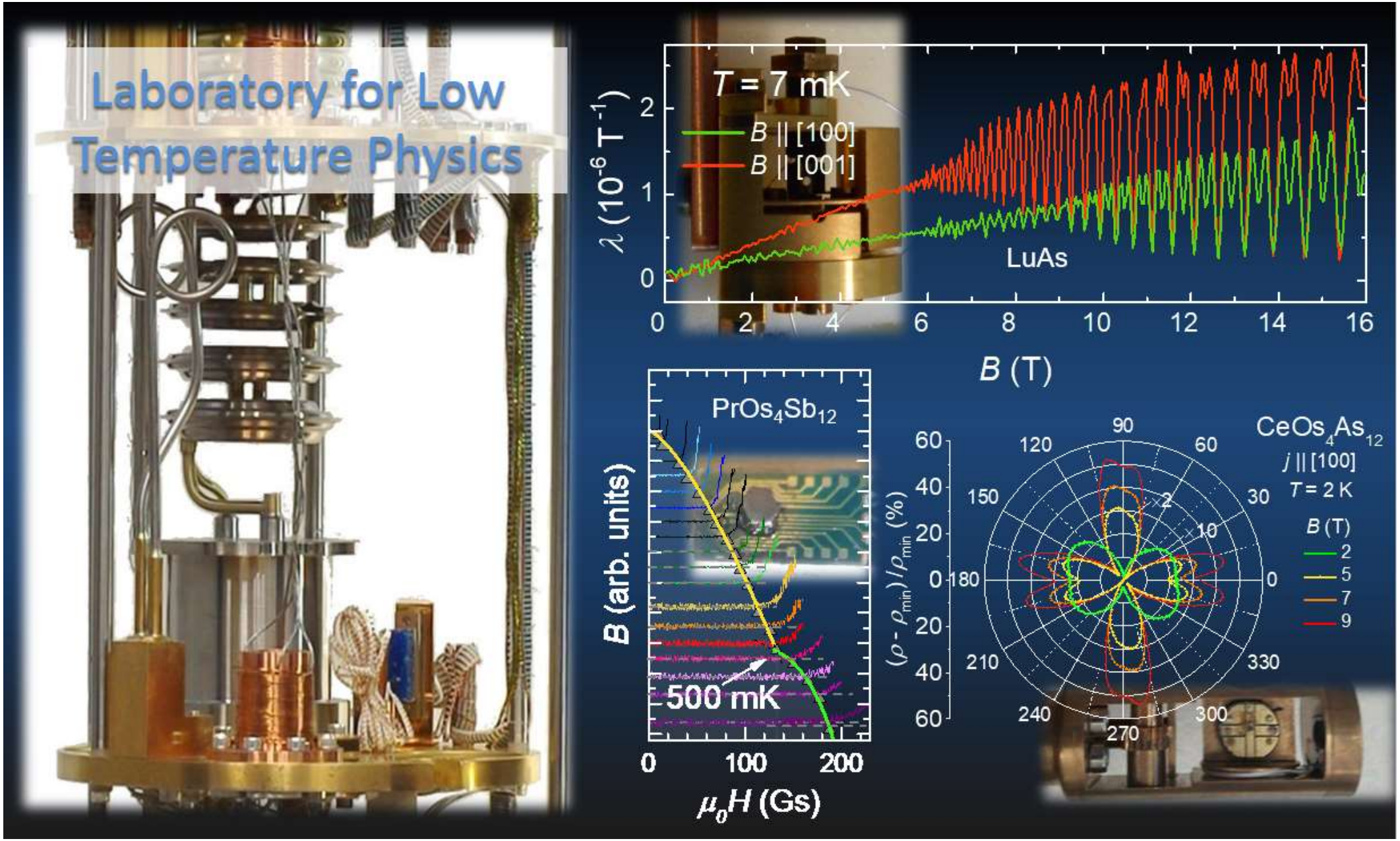

Laboratory for Low Temperature Physics
T = 7 mK
B || [100]
B || [001]
λ (10^-6 T^-1)
LuAs
B (T)
PrOs4Sb12
B (arb. units)
500 mK
μ0H (Gs)
CeOs4As12
j || [100]
T = 2 K
B (T)
2
5
7
9
(ρ - ρmin)/ρmin (%)

Laboratory for Low Temperature Physics

Oxford

^{3}He-^{4}He Dilution Refrigerator

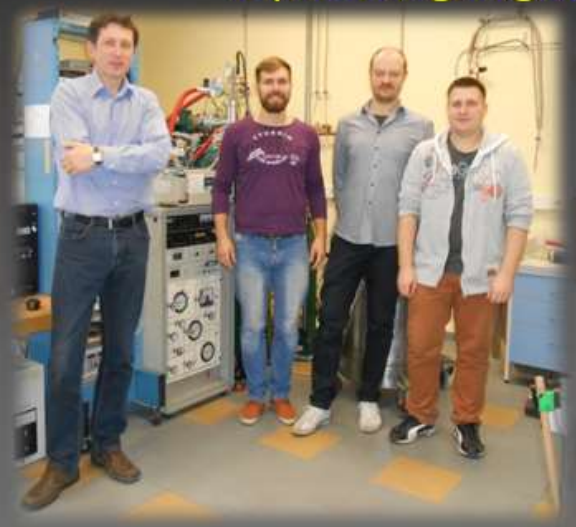
$T_{base} \approx 7$ mK; $B \leq 16$ T, compensating zone, large bore, top loading, high access

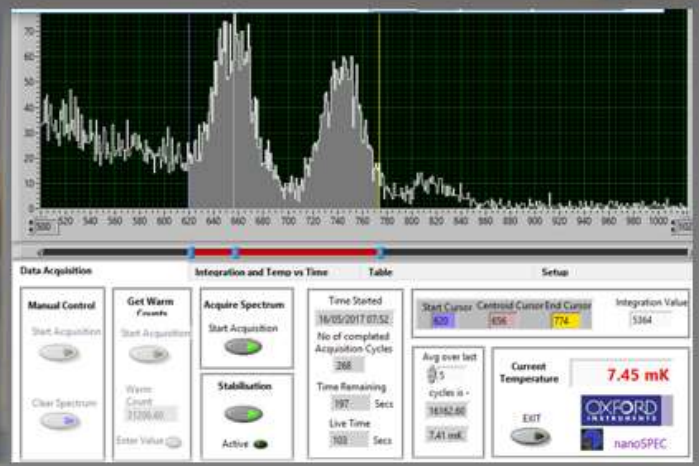
Experiments:

- Thermal expansion
- Angle-dependent magnetostriction

In progress:

- Nernst effect





Laboratory for Low Temperature Physics

Bayreuth (Andrii Rudenko)

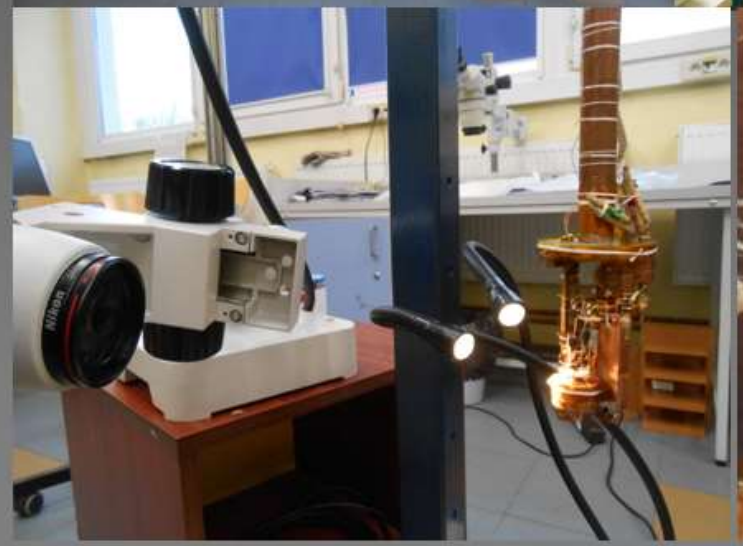
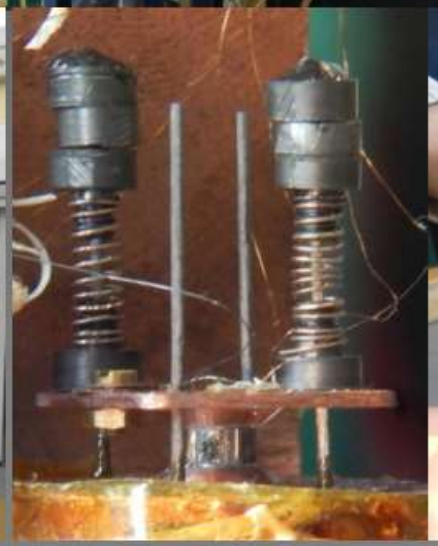
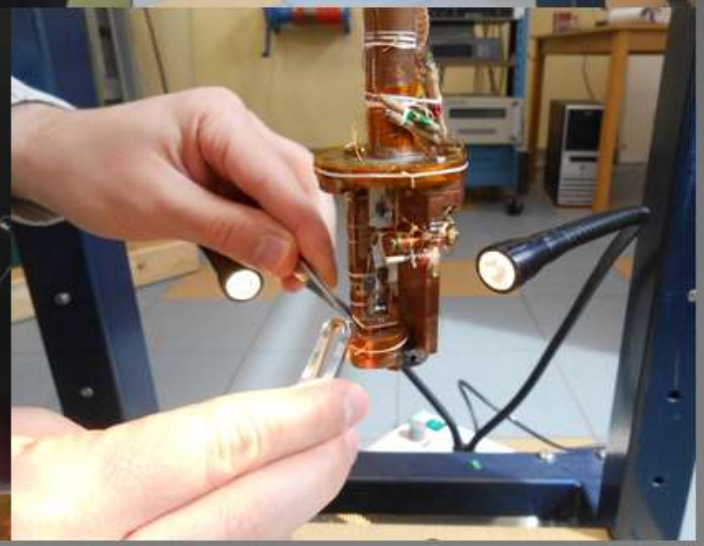
^{3}He-^{4}He Dilution Refrigerator

$T_{base} \approx 40$ mK; $B \leq 7$ T, compensating zone, low-field option

Experiments:

- Thermoelectric power
  - Resolution > 100 pV
- AC susceptibility
  - $B_{AC} \geq 0.01$ Gs



Laboratory for Low Temperature Physics

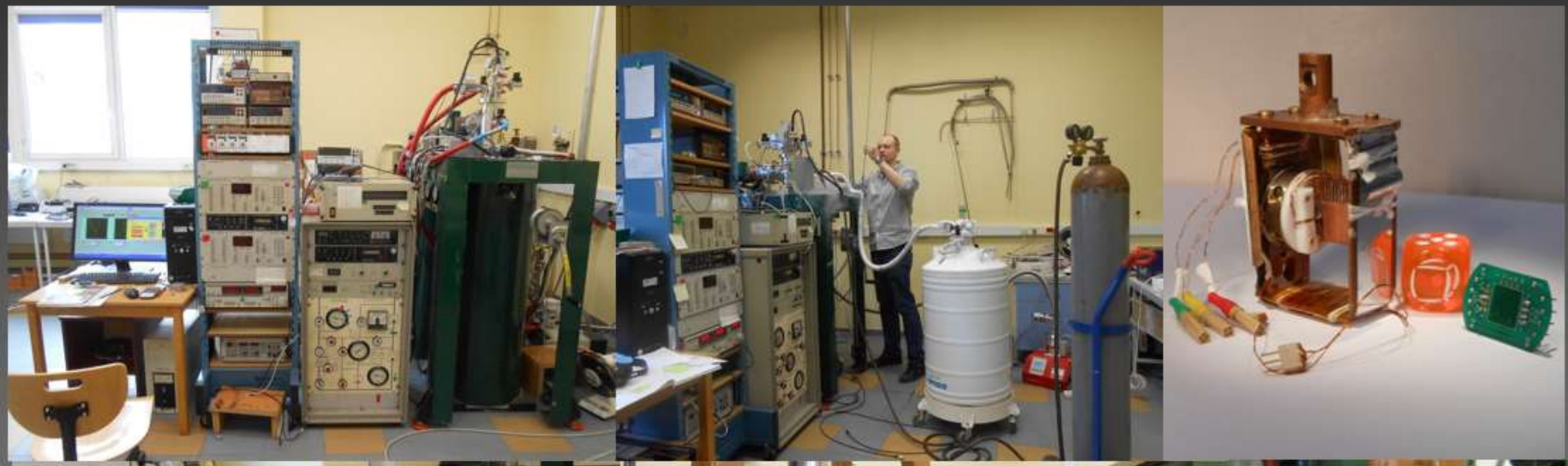
Cryogenic (Łukasz Bochenek)

^{3}He-^{4}He Dilution Refrigerator

T_{base} < 80 mK; $B \leq$ 14/16 T

Experiments:

- Magnetotransport
- Angle depenence (piezoelectric rotators)



Laboratory for Low Temperature Physics

^{3}He Cryostat (Jarek Juraszek)

$T_{base} \approx 400$ mK; $B \leq 3$ T

Experiments:

- Local magnetization
  2DEG μ-Hall Sensor
- Zero field thermopower
  $T =$ 0.4 - 300 K