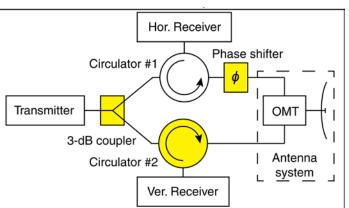
## 35-GHz cloud radar MIRA-35 with hybrid mode

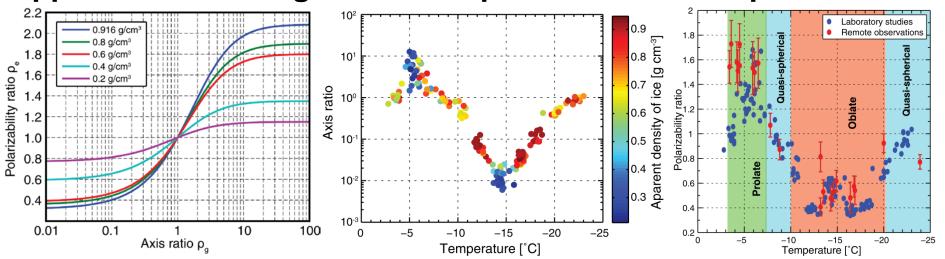






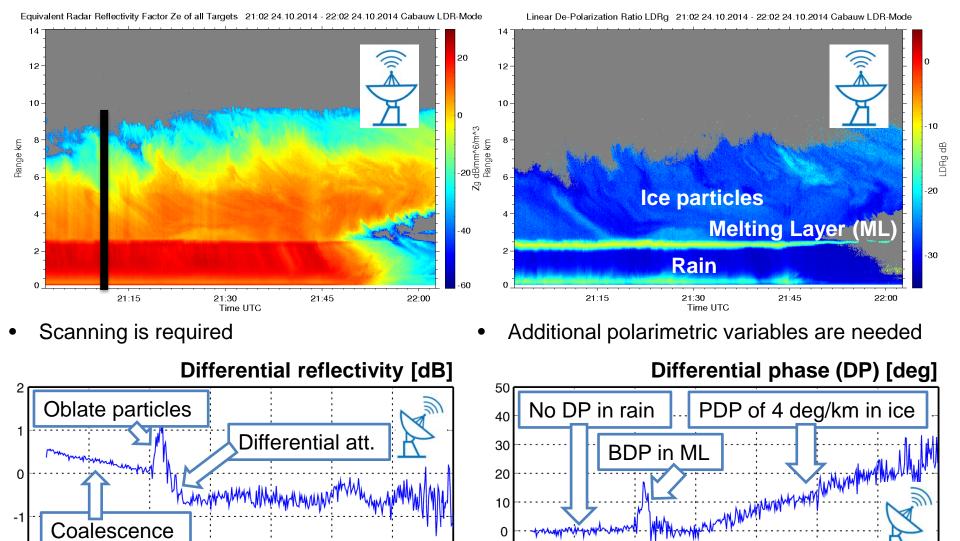
- Based on LDR-configuration
- Calibrated differential phase shift
- Comprehensive scanning cycle
- Spectral polarimetric variables

Application: investigation of ice particles in mixed-phase clouds



- Polarizability ratio depends on geometrical axis ratio and apparent ice density
- Good agreement of remote observations with laboratory studies

## Application: Investigation of deep precipitating clouds



• Scanning hybrid mode MIRA-35 provides much more valuable information

Height [km]

Height [km]

2