

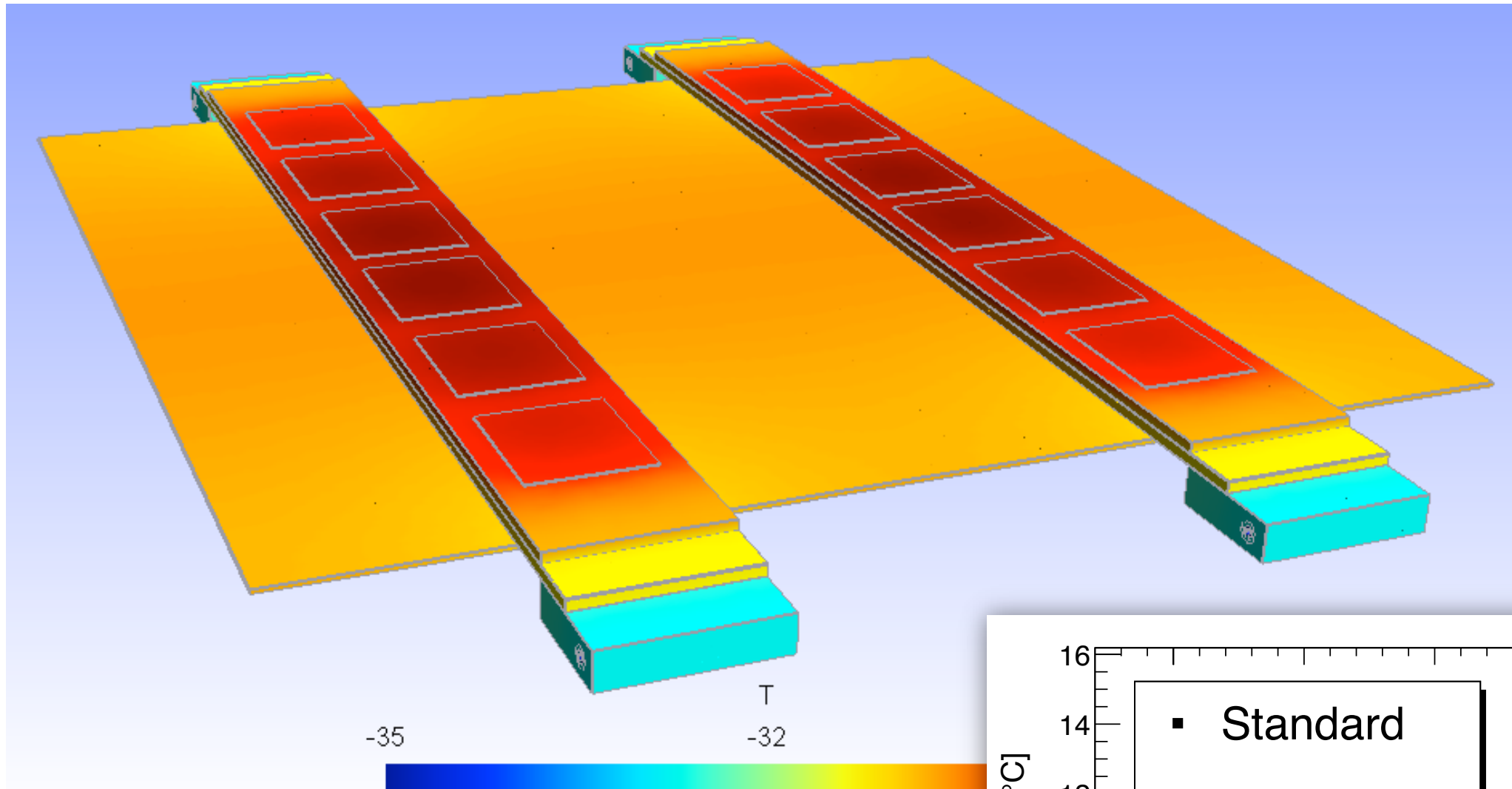
CMS Tracker Upgrade HH Activities

Günter Eckerlin, Jens Hansen,
Carsten Muhl, Andreas Mussgiller, Jan Olzem



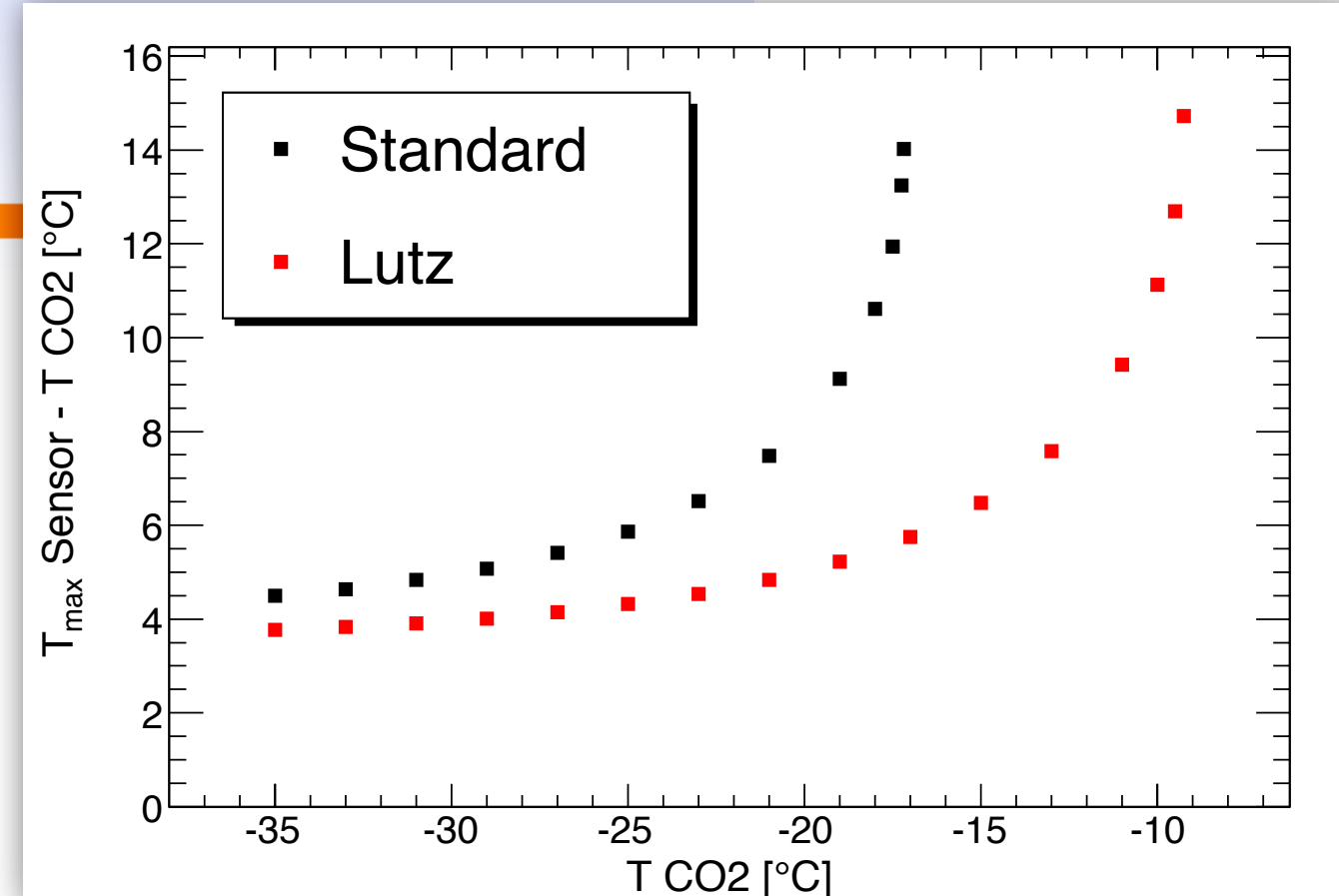
DESY CMS Group Meeting
25/01/10

Finite Element Calculations



- Bias: 600 V bias
- Fluence: 1.7×10^{14}
- CO2 temp: -35°C

- Leakage current is function of temperature
 - factor of 2 in current for 7°C temp. increase
- Calculate local power for a given fluence, bias voltage and temperature
- Sensitive to thermal runaway



Thermal Measurements

