



# Implementing DRD7: an R&D Collaboration on Electronics and On-detector Processing. 1st workshop

## Wednesday 15 March 2023

### Extreme environments and longevity - 222/R-001 (08:30 - 10:00)

-Conveners: Oscar Francisco; Giulio Borghello; Manuel Dionisio Da Rocha Rolo

time	[id] title	presenter
08:30	[12] Radiation hardness - Introduction	BORGHELLO, Giulio
08:35	[45] TID and Challenges at Ultra-High Doses in Modern CMOS Technologies	Dr BONALDO, Stefano
09:00	[47] Introduction: Cooling	DE AGUIAR FRANCISCO, Oscar Augusto
09:05	[15] On-detector cooling systems based on low-mass carbon dioxide evaporators	HELLENSCHMIDT, Desiree
09:30	[13] Cryogenic temperatures - Introduction	DA ROCHA ROLO, Manuel Dionisio
09:40	[42] Cryogenic CMOS – Potential beyond quantum	Dr VLIEX, Patrick