

Radiation tolerant design and qualification

Date:	16/06/2016
Technology:	Design of radiation tolerant electronics and qualification of custom and commercial components.
TRL:	The original application is not a space project. At LHC/CTA level probably TRL8-TRL9 equivalent
Expert:	J. Mauricio, E. Picatoste
Original Application:	High Energy Physics
Projects:	LHC
Key points:	<ul style="list-style-type: none">- Experience on radiation tolerant design including ASIC and FPGA design strategies- Experience on radiation qualification of custom and commercial components: Total Ionizing Dose (TID), Single Events (SEEs: SEUs, SELs, etc).
Potential Space Science Applications:	<ul style="list-style-type: none">- Development of radiation tolerant systems.- Radiation qualification of custom and commercial components.
Potential Applications:	Nanosats, Space missions