

# PS status

H. Damerou, A. Guerrero, F. Tecker on behalf of PS operations and supervisor team

# Status of beams beams

Fixed target beams	Status	Comment
EAST Irrad/North	Operational	With parasitic TOF
MTE	Operational	Delivered to SPS at $\sim 4.5 \cdot 10^{12}$ ppp, tested up to $\sim 1.8 \cdot 10^{13}$ ppp
TOF	Operational	Up to $\sim 7 \cdot 10^{12}$ ppp
AD	Ready in PS	$\sim 1.4 \cdot 10^{13}$ ppp
LHC-type beams	Status	Comment
LHCPROBE, LHCINDIV	Operational	LHCINDIV tested up to $\sim 4 \cdot 10^{11}$ ppb
LHC25 (12b, 72b)	Operational	<b>Nominal intensity only</b> , $1.3 \cdot 10^{11}$ ppb
LHC25 BCMS (12b, 48b)	Ready in PS	<b>Nominal intensity only</b> , $1.3 \cdot 10^{11}$ ppb

- First machine developments (BGI studies) restarted

# AFT, 23<sup>rd</sup> March – 6<sup>th</sup> April

## Availability

97.1%

## Blocking Faults

20

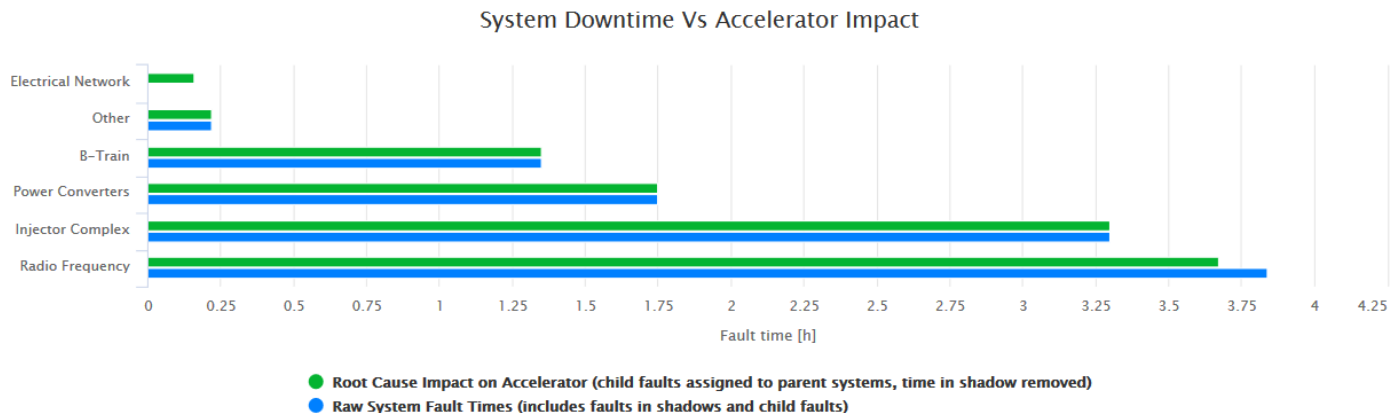
## Total Faults

21

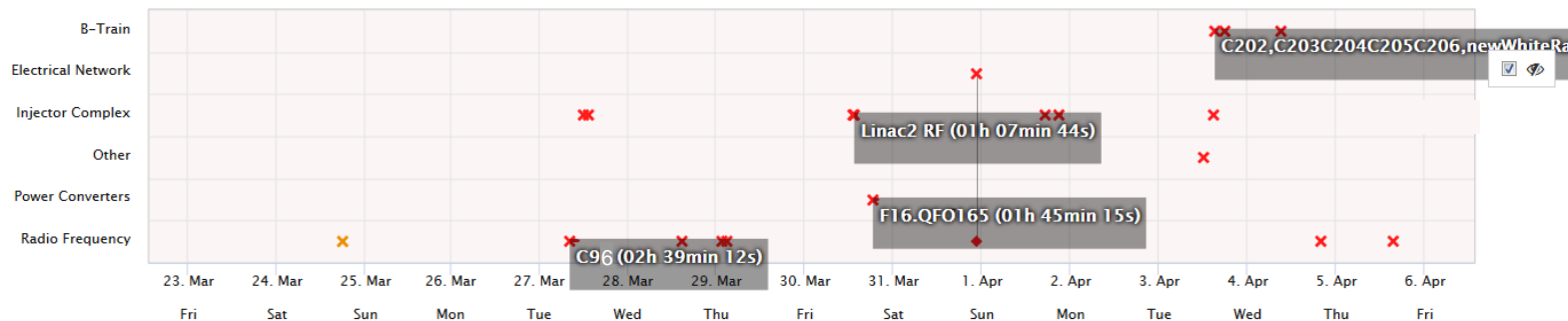
## Fault Duration (overlap excluded)

11.2h

## Blocking Faults by Root Cause



## Faults Timeline



# PS status 23<sup>rd</sup> March – 6<sup>th</sup> April

→ **Good week for the PS Complex with about 97% availability**

- Thursday, 30/03: Beam to TOF
- Friday, 31/03: Beam on CHARM target
  
- Linac2 ion pump
  - **1h15 downtime** for all proton beams
- Quadrupole power converter (F16.QFO165)
  - **1h45 downtime** for all beams → reset of converter
- Wrong field measurement intermittently stopping cycle execution
  - **~1h downtime** for all beams → reboot of field measurement