

# Possible SEE Failures Observed in 2010

## **WIC crate failure in TI8**

Observed in 2009

Known problem with moderate x-section

## **QPS Tunnel Card Failures**

(i.e. 2x in 9L7 for ions, 2x in 8R8 for inj.)

ISO150 -> permanent PM trigg. (10x)

SEE confirmed (EMC has same effect)

## **QPS tunnel Card Failures**

**in 9R7 & 9L7**

uFip communication lost (2x)

SEE confirmed (seen in CNRAD)

## **CONFIRMED or very LIKELY**

### **CRYO tunnel card SEE in 8L2**

1 Fault in uFip

(as observed in CNRAD 2010)

SEE confirmed

### **TE/EPC power supply burnout in UA87**

Same effect observed in CNRAD

SEE is very likely the cause

(Streaming through Maze)

## **NOT CONFIRMED (unlikely)**

### **VAC power supply burn out**

In UA23 between maze and duct  
(TDI losses + TCDI losses )

SEE rather unlikely

### **PXI power supply burnout in UJ16**

To be confirmed by producer

(comparison with CNRAD burnouts)

SEE unlikely (early 2010 operation)