# EMC TDR issues

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# TDR – EMC chapter issues (Overview)

- Currently broken file

9.1 Unresolved figure reference to check

9.1.1 Update background discussion and figures

# TDR – EMC chapter issues (Barrel – I)

9.2.1.2 Barrel backgrounds – information is missing

Fig 9.8 Axes not readable

9.2.3.1 "compare and contrast between BaBar and SuperB MC"

Fig 9.12 FastSim resolution – update?

9.2.3.2 two photon figure called for, FastSim

9.2.3.3 Missing table on rad hardness

9.2.3.3 Why "(presumably)" neutrons?

xtal Details of crystal wrapping (thickness of tyvek, etc; clarification of CFC – double thickness at module boundaries)

9.2.3.3 This assumption will, however, need to be verified by detailed simulation. [Didn't we do this already. . . ?]

# TDR – EMC chapter issues (Barrel – II)

9.2.3.4 Reconcile numbers with Table 9.1 (probably need to change Table?)

9.2.3.4 Chapter on reuse of BaBar elements?

9.2.4.1 barrel electronics – quantify power consumption

9.2.4.2 sums of 4 s cells. . . ??

9.2.5 SLAC de-install, transport, storage section missing

9.2.6 "24 Barrel's"?

9.2.7 Reinstall at Tor Vergata section missing

source 6 MeV source to Naples?

# TDR – EMC chapter issues (Forward, partial)

9.3.2.2 Electronics block diagram – missing

9.3.2.3 Preamplifier – missing

9.3.2.4 Shaper – missing

9.3.2.5 Digitization – missing

9.3.2.6 Requirements on mechanics (for electronics) – missing

9.3.3.2 Electronics calibration – missing

9.3.3.3 Is the 256 sensors, etc for the barrel or the endcap. No, 256 is for barrel. Need to clarify and add endcap number. [DH]

9.3.4 Supported off of the sloenoid flux return? No, off of barrel

9.3.4 Figures 9.23, 9.24, 9.26, 9.28 poor quality

9.3.7.2 Pure CsI – missing

Temp Some temperature monitors will need to be replaced in forward EMC

# TDR – EMC chapter issues (Backward, 9.5-9.7)

9.4.8 Unresolved section reference

9.5 Trigger – missing

9.6 Detector protection – missing

9.7 Cost&Schedule – missing (will be elsewhere)