

Layout of Far-Forward Region

$$x_L = \frac{p_{z,nucleon}}{p_{z,beam}}$$

Detector	Detector Position (x,z)	Angular Acceptance	Notes
ZDC	(0.96m, 37.5m)	$\theta < 5.5$ mrad	About 4.0 mrad at $\varphi \sim \pi$
Roman Pots (2 stations)	(0.845m, 26m) & (0.936m, 28m)	$0.0^* < \theta < 5.0$ mrad	* 10σ cut determines lower bound.
Off-Momentum Detectors	(0.8, 22.5m) & (0.85m, 24.5m)	$0.0 < \theta < 5.0$ mrad	Roughly $.4 < x_L < .6$
B0 Sensors (4 layers, evenly spaced)	$x = 0.19m, 5.4m < z < 6.4m$	$5.5 < \theta < 20.0$ mrad	Could change a bit depending on pipe and electron quad.

