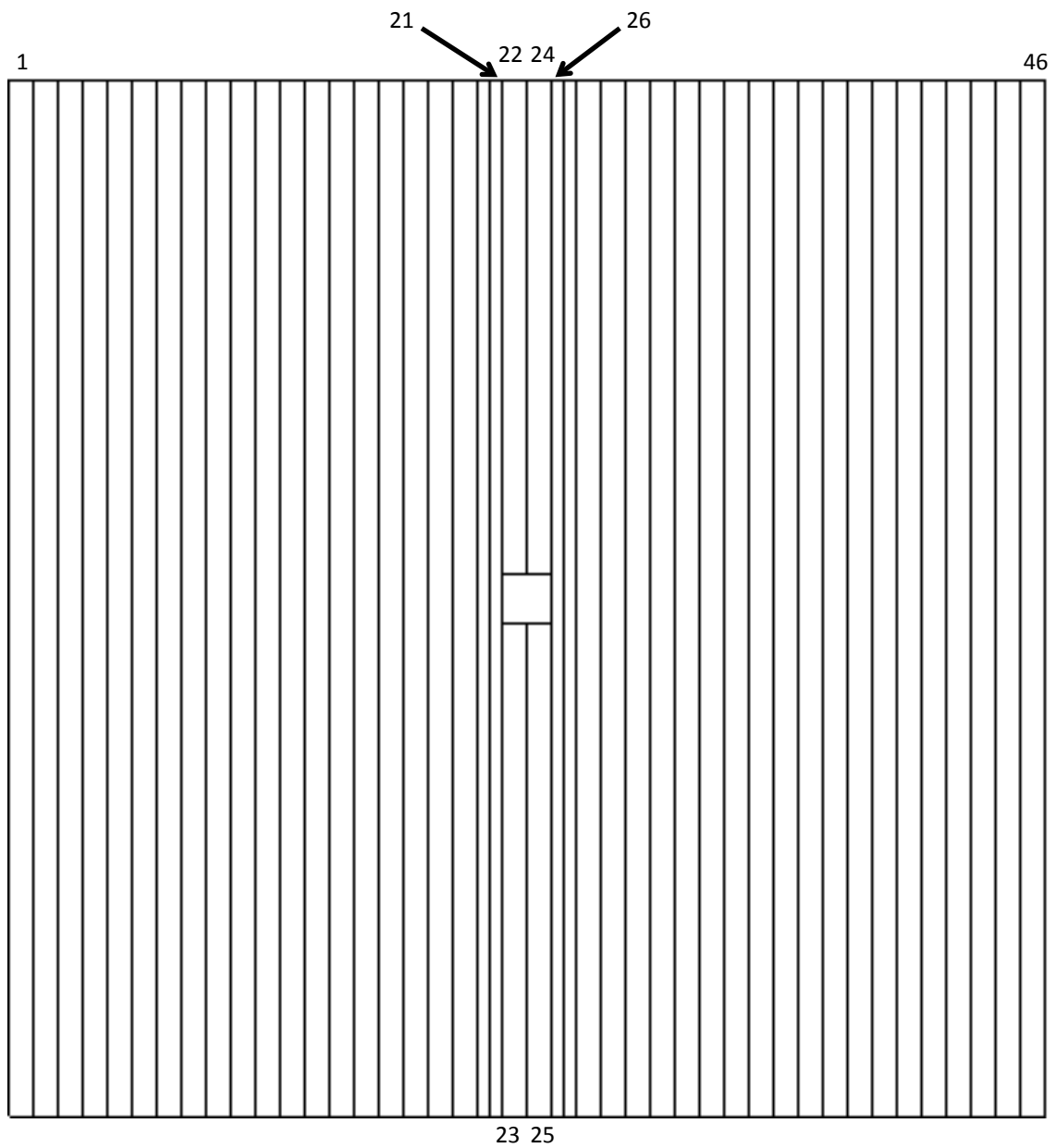
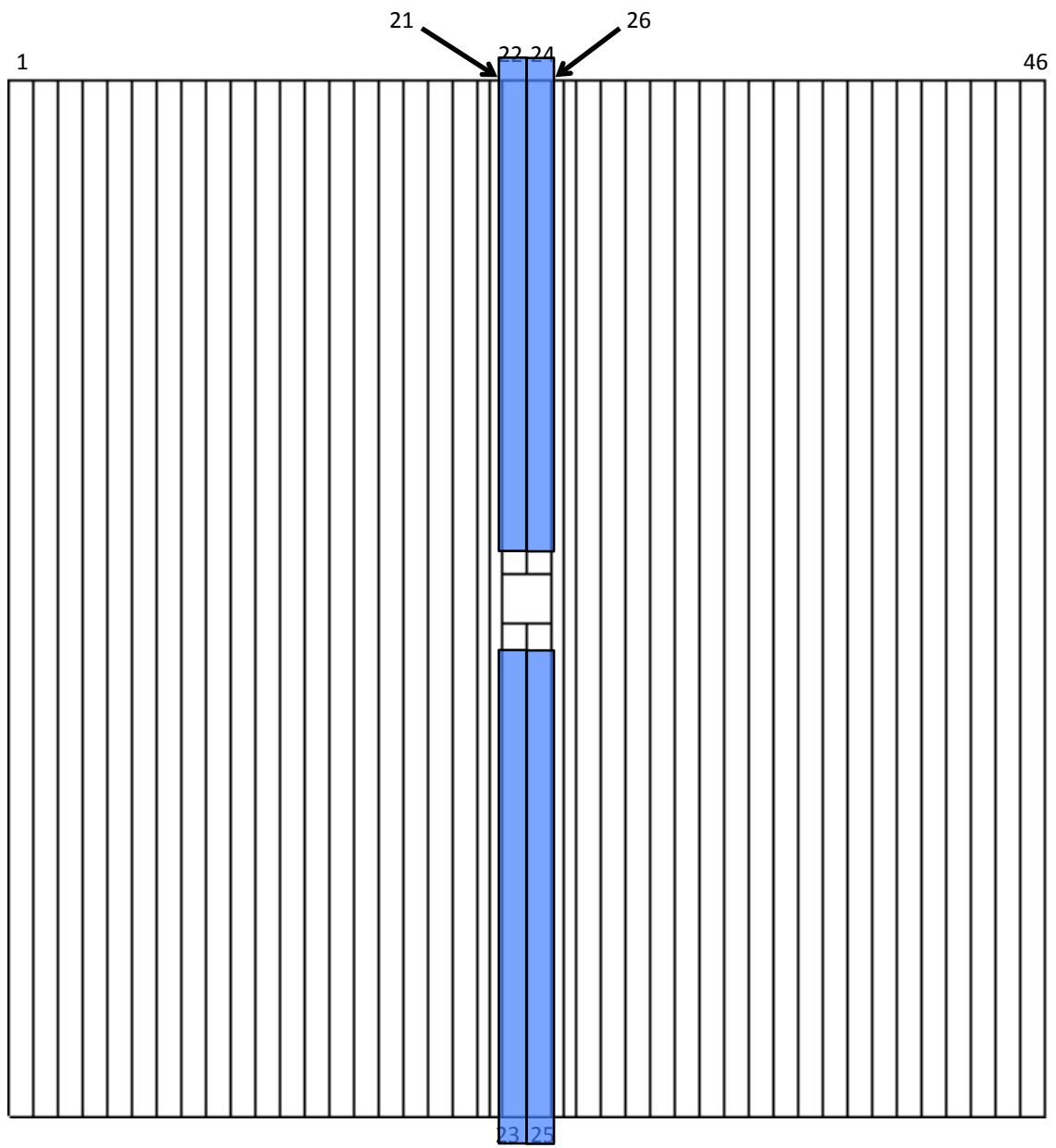
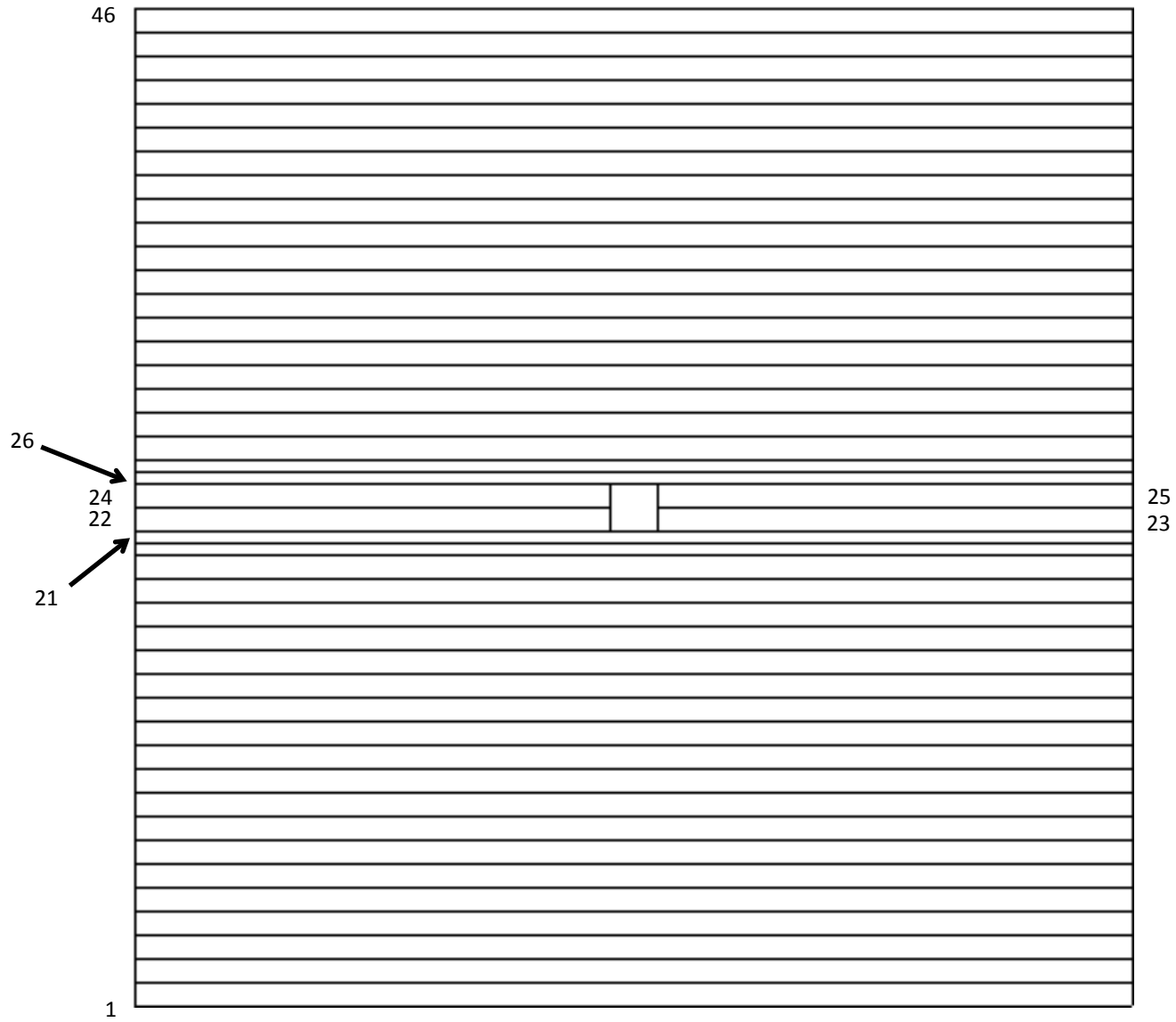
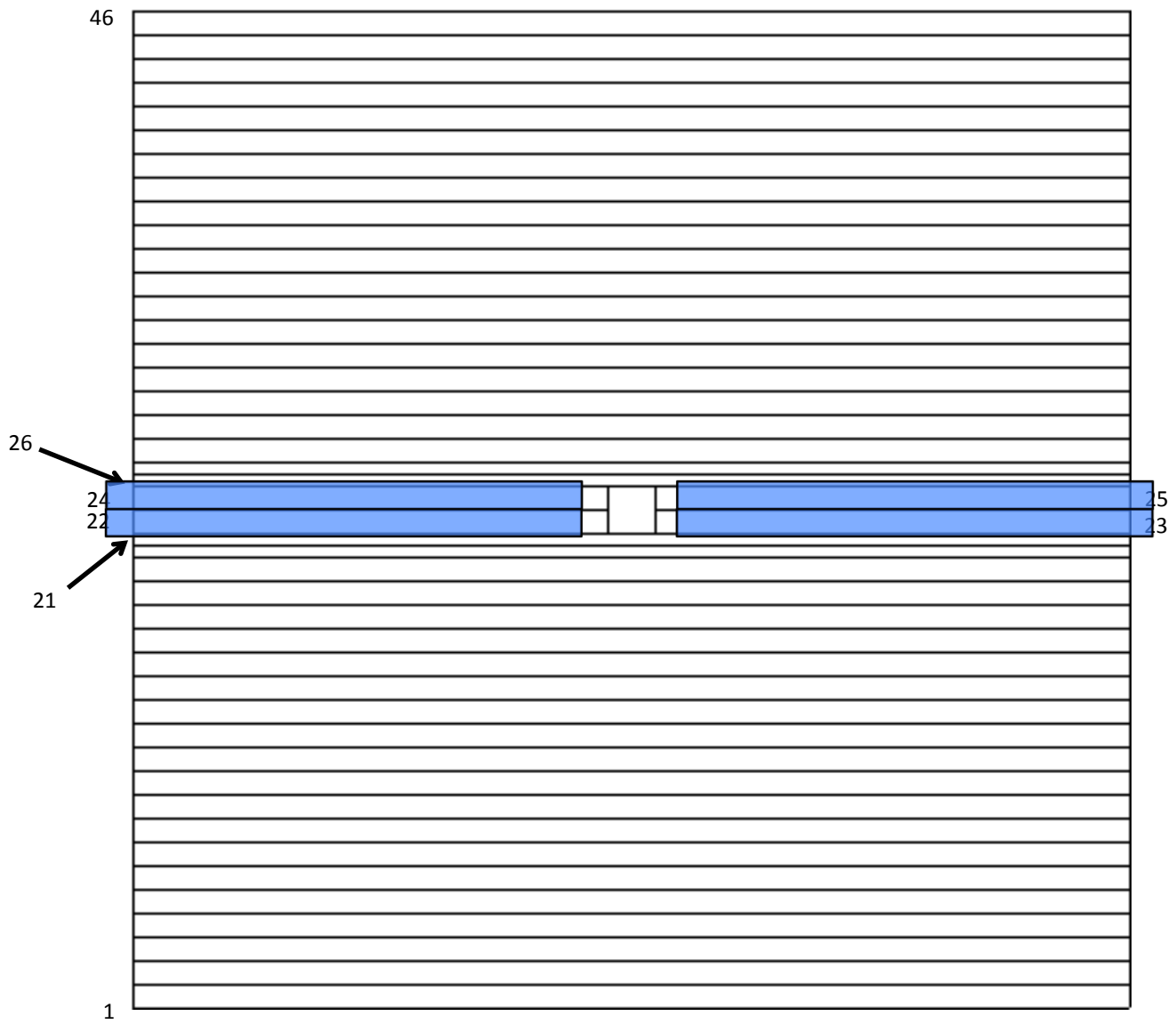


Using the TOF for Triggering the CPP Experiment









# Simple MC with solenoid field map (no rho)

Veto cut	R, Cos( $\theta$ ) cuts	Acceptance
Solid TOF, no central hole	none	~91.5%
TOF with central hole	none	~73.6%
V22...V25 excluded	none	~40.4%
V22...V25 excluded	R>18	~39.1%
V22...V25 excluded	R>20	~37.4%
V22...V25 excluded	R>25	~34.2%
V22...V25, H21, H26 excluded	none	~33.1%
V22...V25 & H22...H25 retracted by 3cm	none	~59.8%
V22...V25 & H22...H25 retracted by 3cm	R>18	~58.8%
V22...V25 & H22...H25 retracted by 3cm	R>20	~56.5%
V22...V25 & H22...H25 retracted by 3cm	R>25	~51.7%
V22...V25 & H22...H25 retracted by 3cm	R>18, cos < 0	~53.3%
V22...V25 & H22...H25 retracted by 6cm	none	~49.0%

decays before TOF considered as a signal loss,  
R calculated based on TOF paddles center line coordinate

<b>Vertical paddles pulled back</b>	<b>Horizontal paddles pulled back</b>	<b>Pull-back distance (cm)</b>	<b>Accidental rate (kHz)</b>	<b>Primakoff acceptance (%)</b>
none	none		146	74
22-25	22-25	3	98	60
22-25	22-25	6	70	49