14 15 17

3

T - SOUTH

U - SOUTH

$d_{12}=50\ m=164\ ft.$
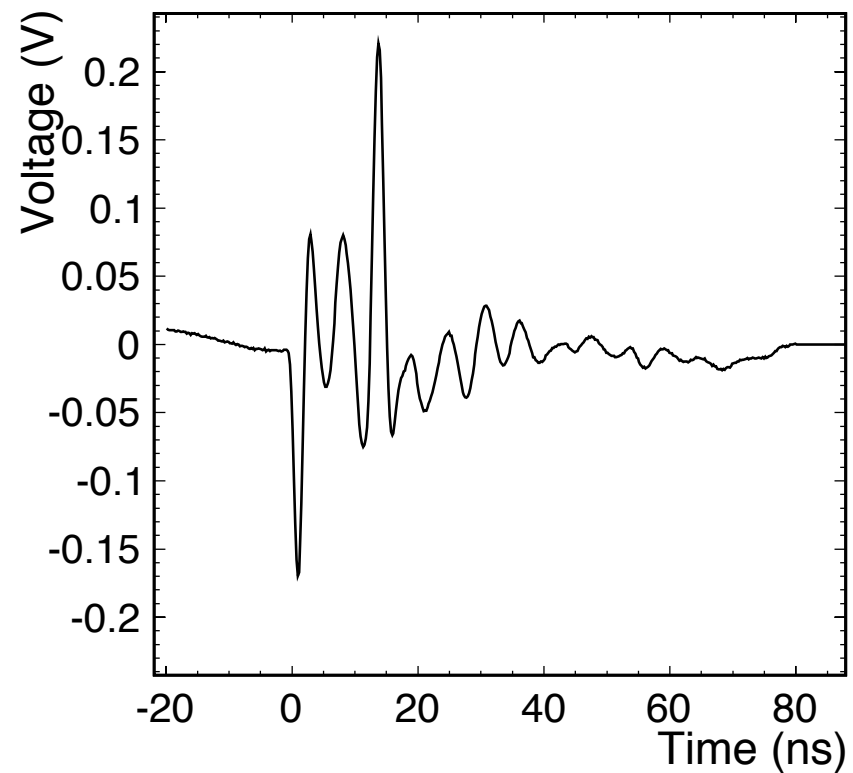$d_{13}=169\ m = 554\ ft.$
take $n=2.45$

180'

2   V - SOUTH

1   W - SOUTH

Christians 10 ft.
Holes 1&2
(along corridor)

reflection from middle point:
$t_{dir}-t_{refl}=3.0$ ns
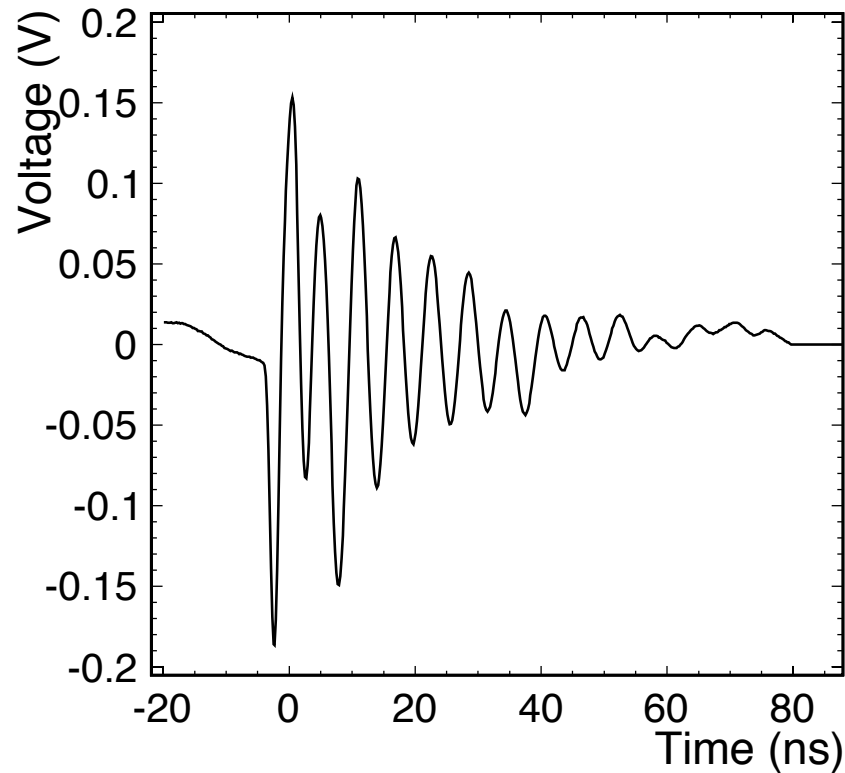
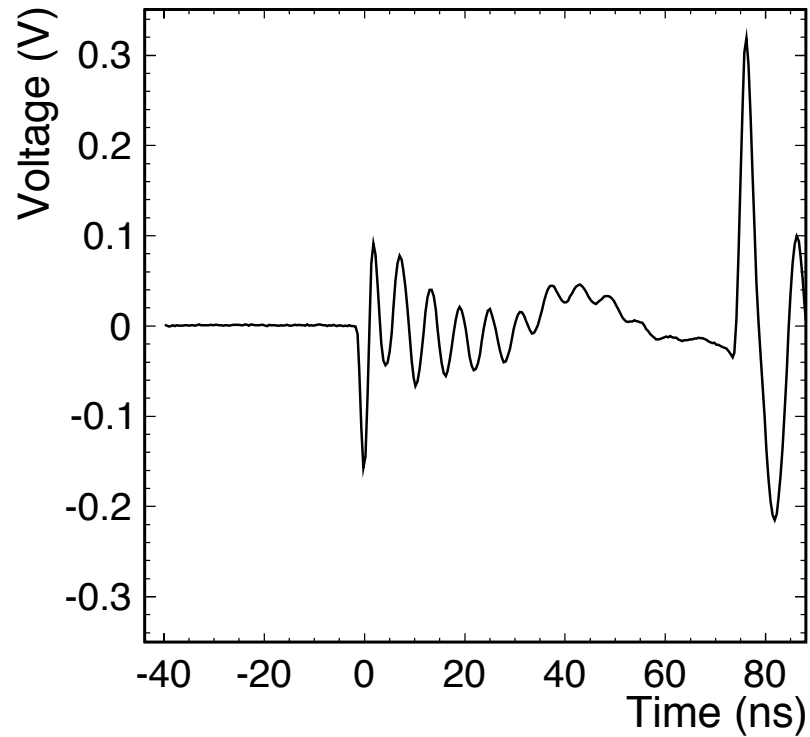Christians 20 ft.
Holes 1&2
(along corridor)

reflection from middle point:
$t_{dir}-t_{refl}=12.0$ ns
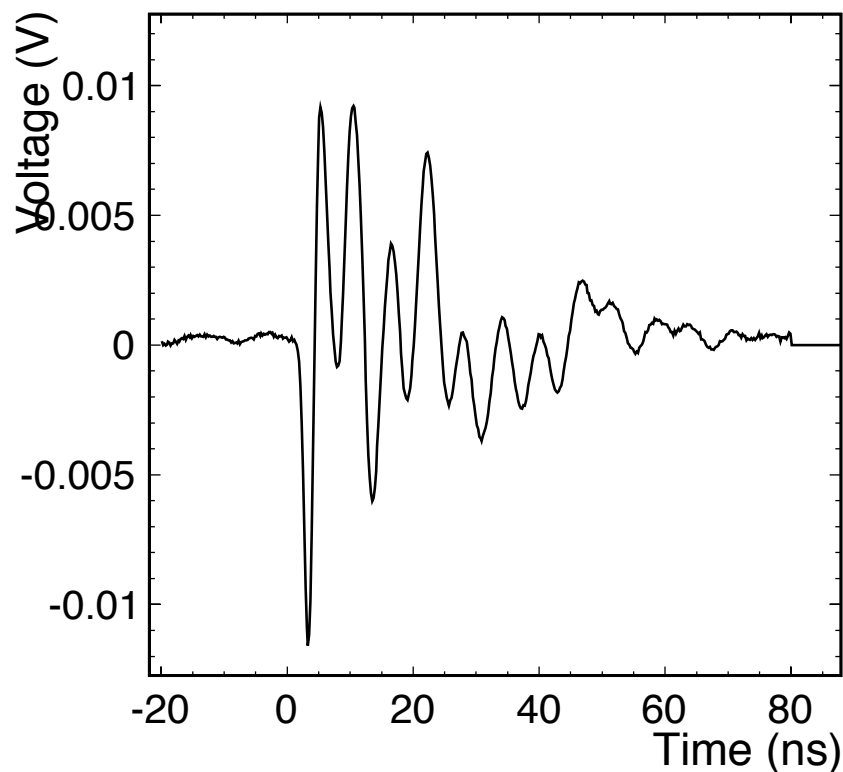
Christians 50 ft.
Holes 1&2
(along corridor)

reflection from middle point:
$t_{dir}-t_{refl}=69.9$ ns

## Christians 10 ft. Holes 1&3

reflection from either corridor: $t_{dir}-t_{refl}=1.0$ ns
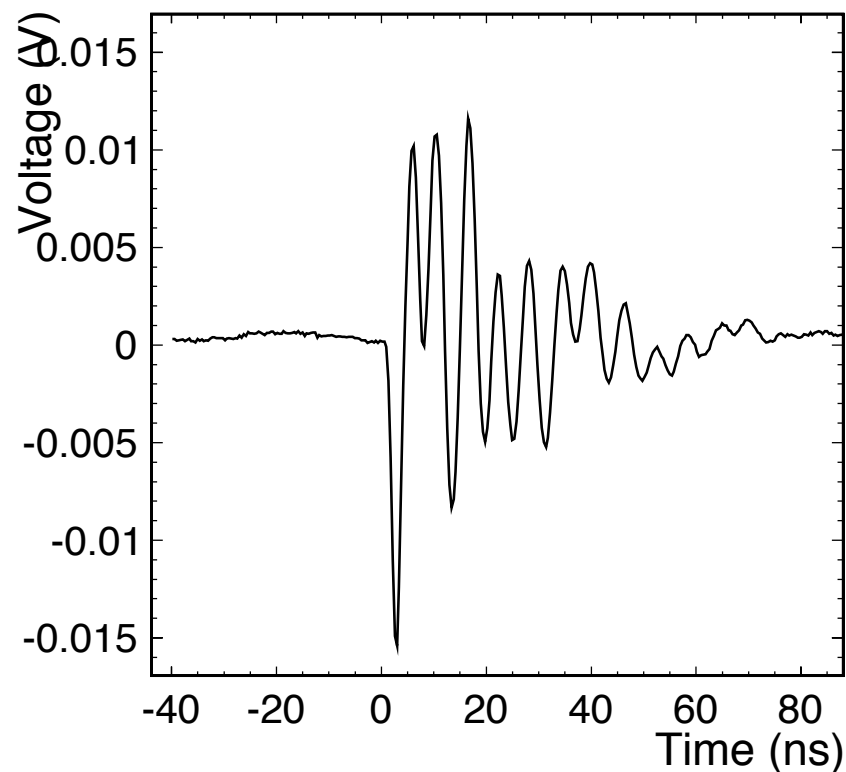
## Christians 20 ft. Holes 1&3

reflection from either corridor: $t_{dir}-t_{refl}=4.0$ ns
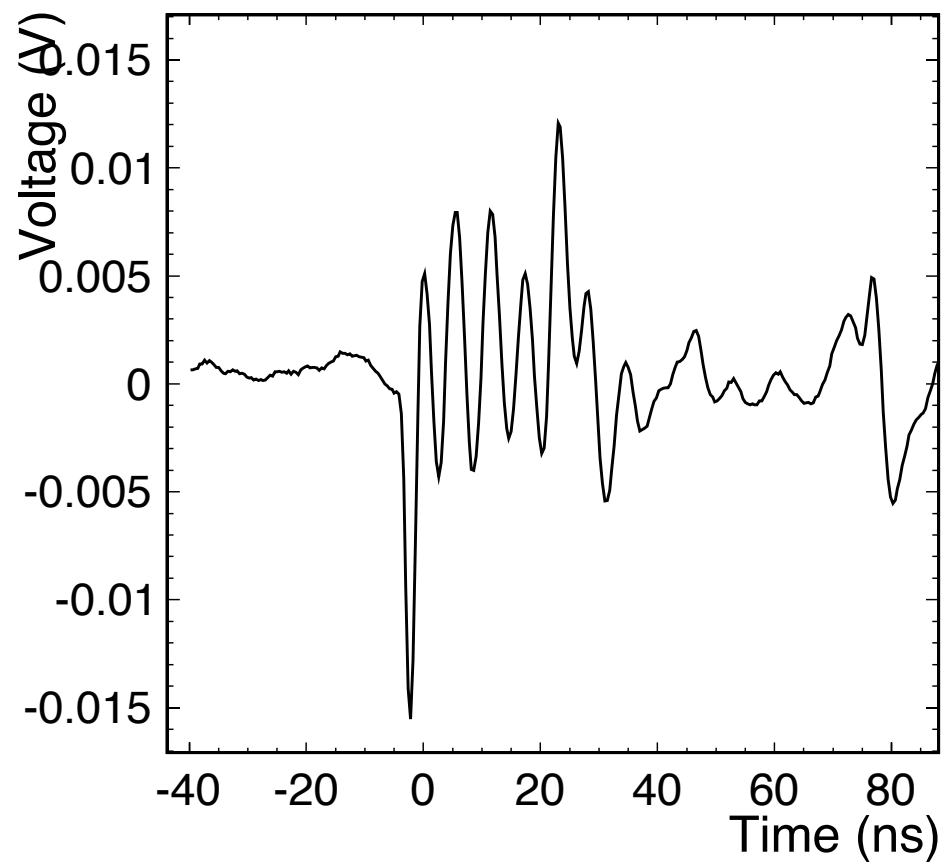
Christians 50 ft.
Holes 1&3
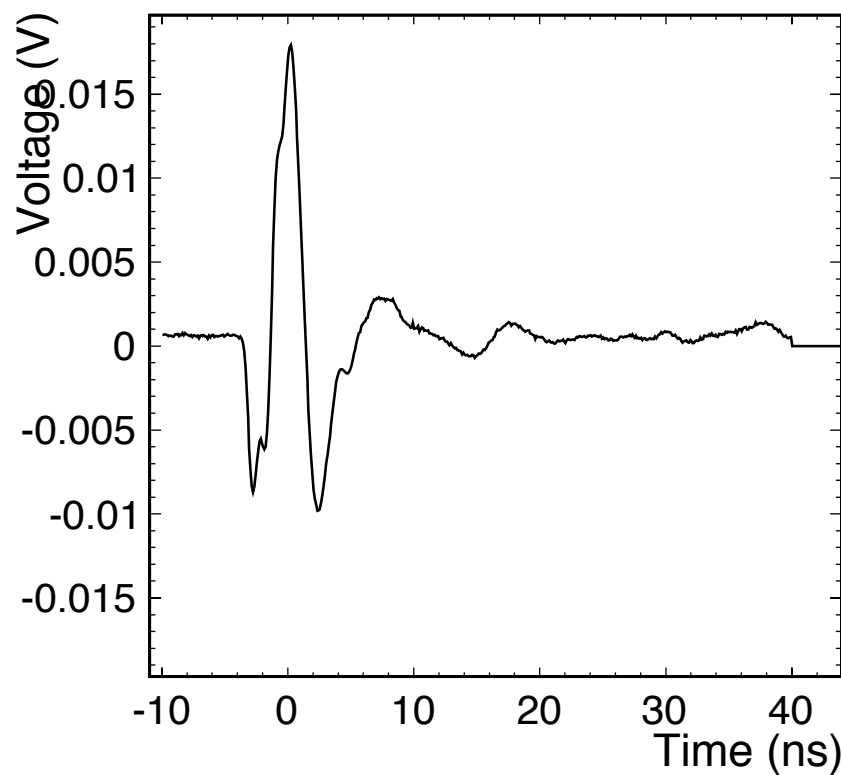
reflection from either corridor:
$t_{dir} - t_{refl} = 24.9$ ns
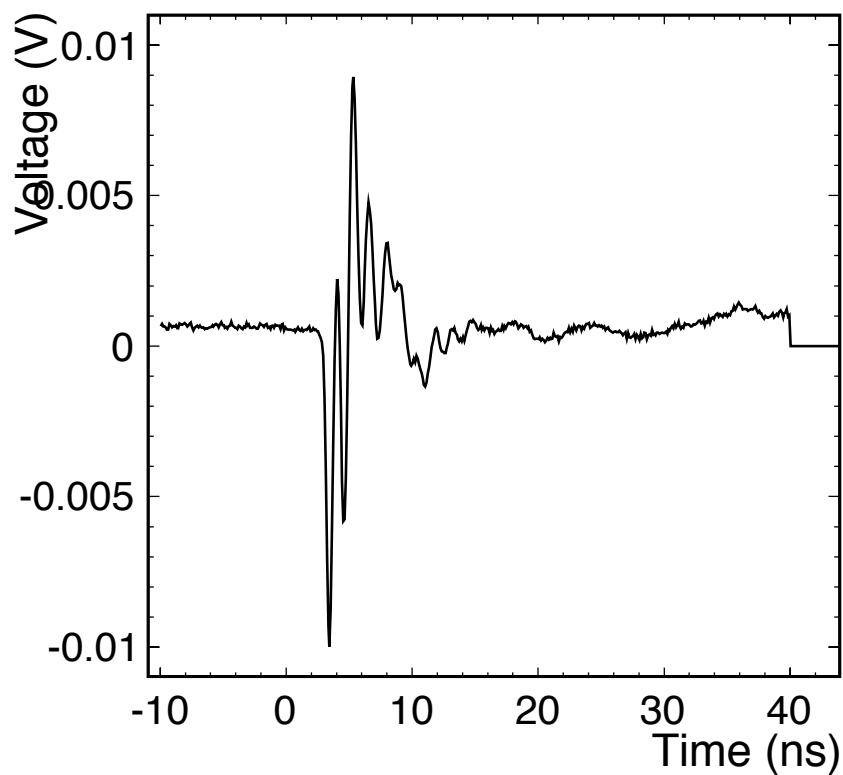
Babies 10 ft.
Holes 1&2
(along corridor)
reflection from middle point:
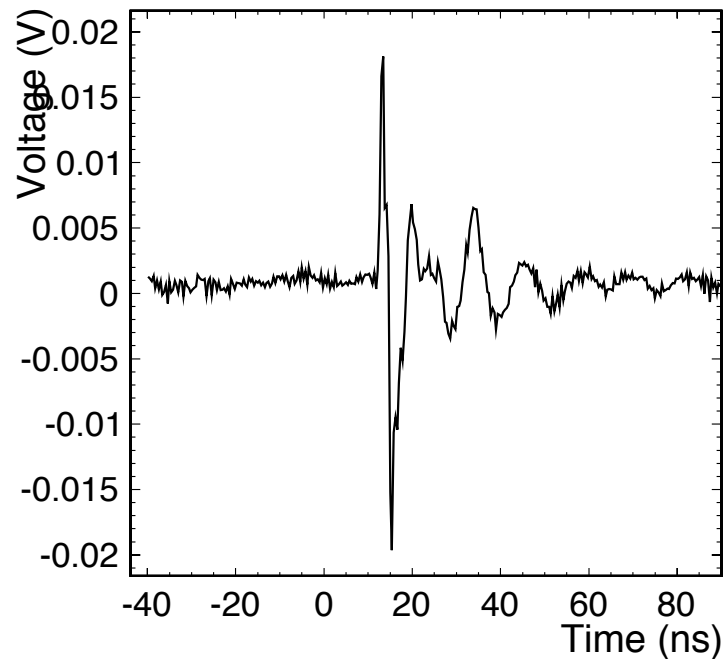$t_{dir}-t_{refl}=3.0$ ns

Babies 50 ft.
Holes 1&2
(along corridor)
reflection from middle point:
$t_{dir}-t_{refl}= 69.9$ ns

## Babies 10 ft.
## Holes 1&3

reflection from either corridor:
$t_{dir}-t_{refl}=1.0$ ns
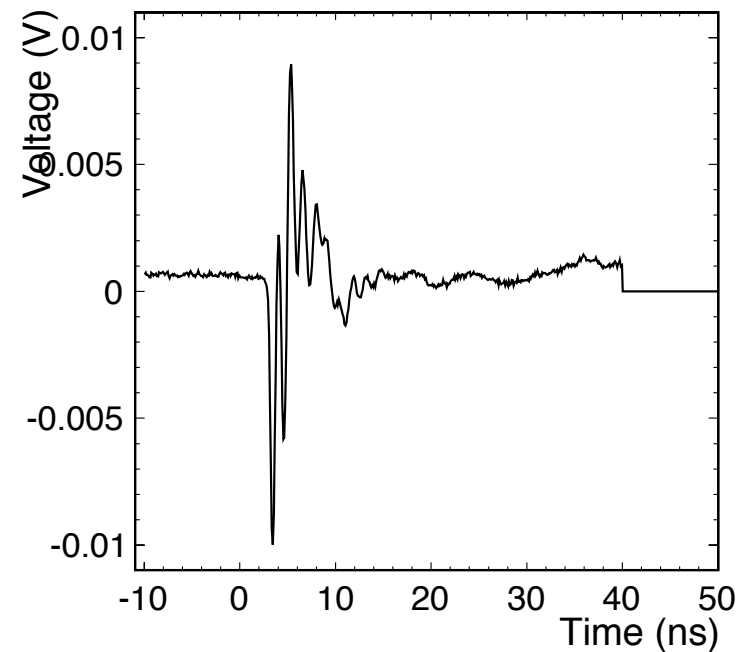
## Babies 50 ft.
## Holes 1&3

reflection from either corridor:
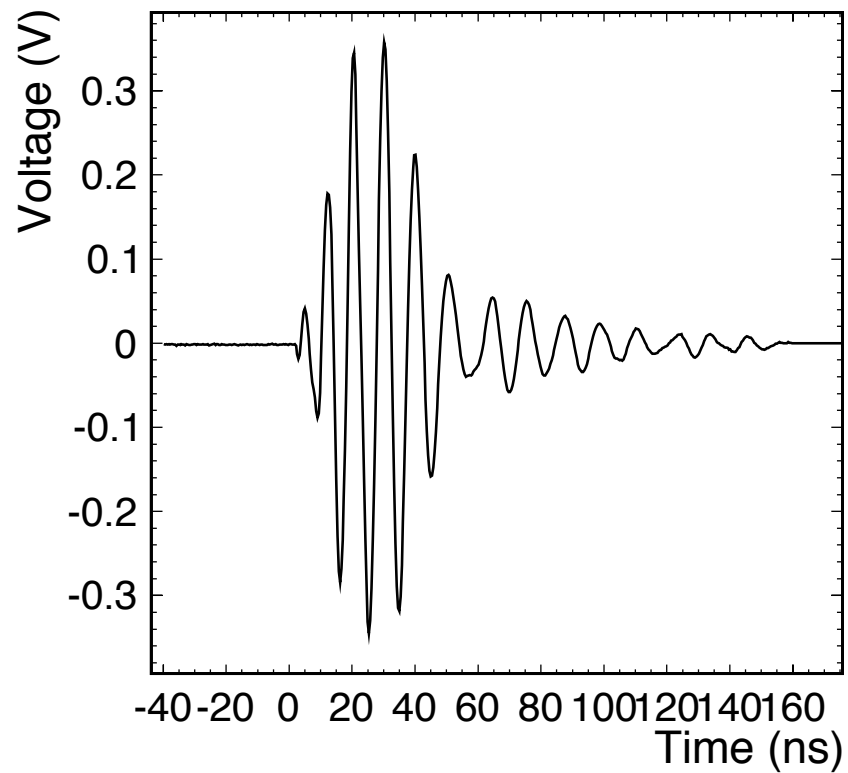$t_{dir}-t_{refl}= 24.9$ ns

Long Poles 20 ft.
Holes 1&2
(along corridor)

reflection from middle point:
$t_{dir} - t_{refl} = 12.0$ ns
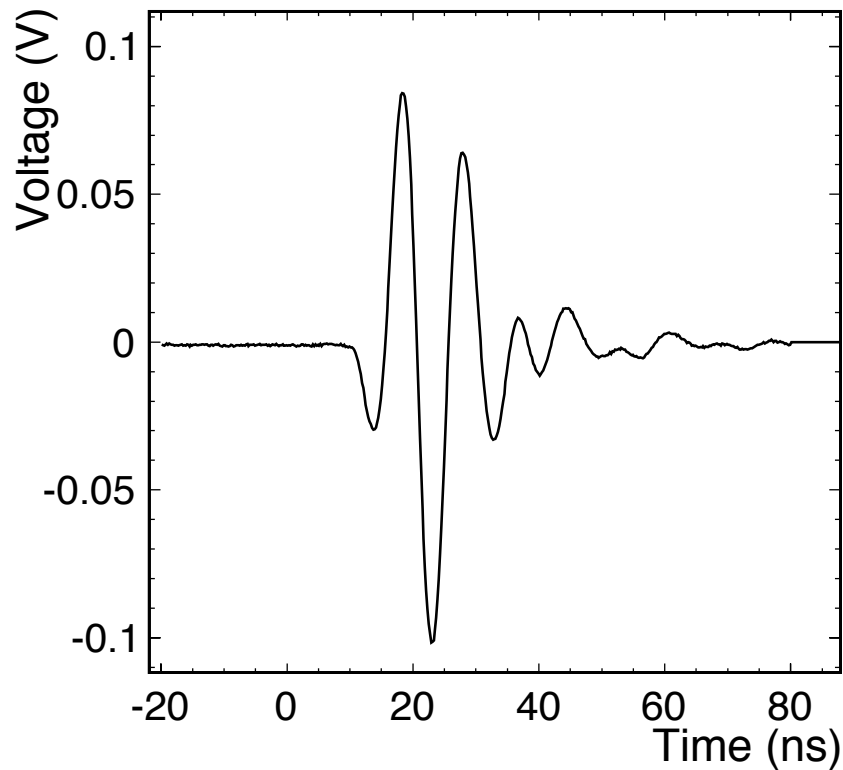
Long Poles 20 ft.
Holes 1&3

reflection from either corridor:
$t_{dir} - t_{refl} = 4.0$ ns

Long Poles 50 ft.
Holes 1&3

reflection from either corridor:
$t_{dir} - t_{refl} = 24.9$ ns