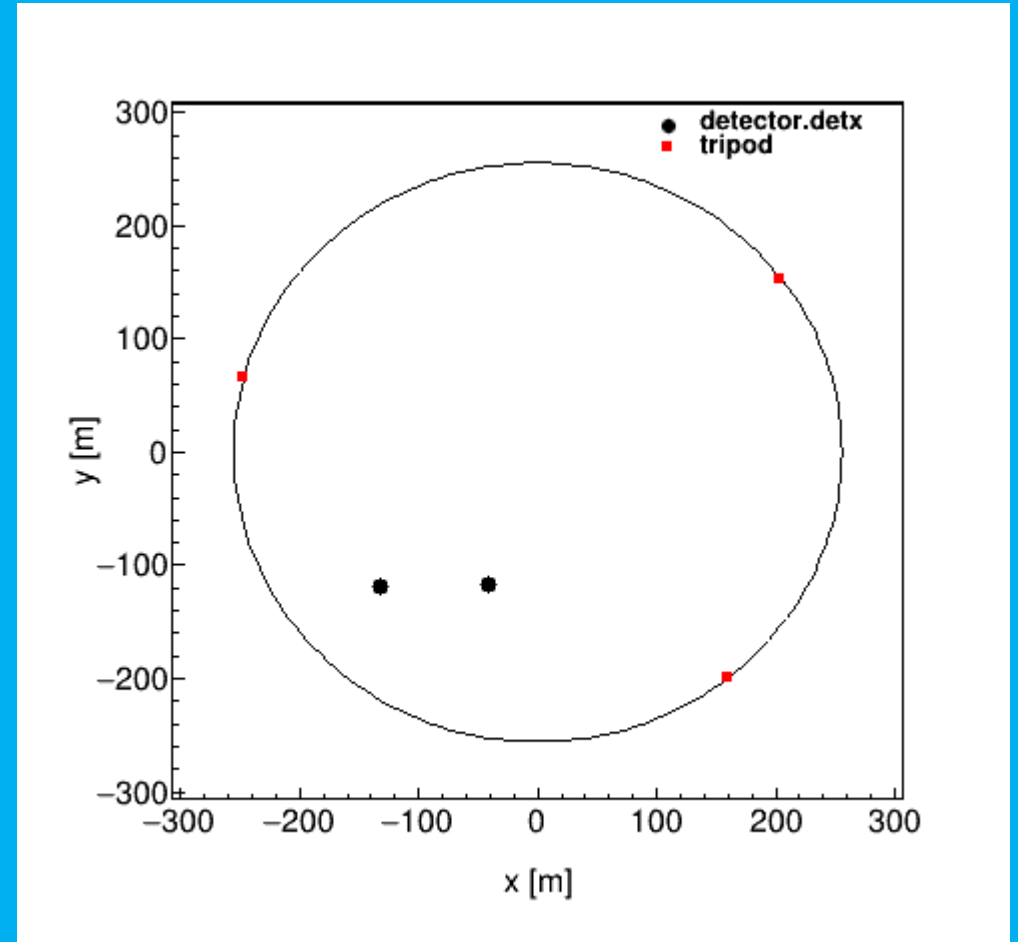


Simulation - I

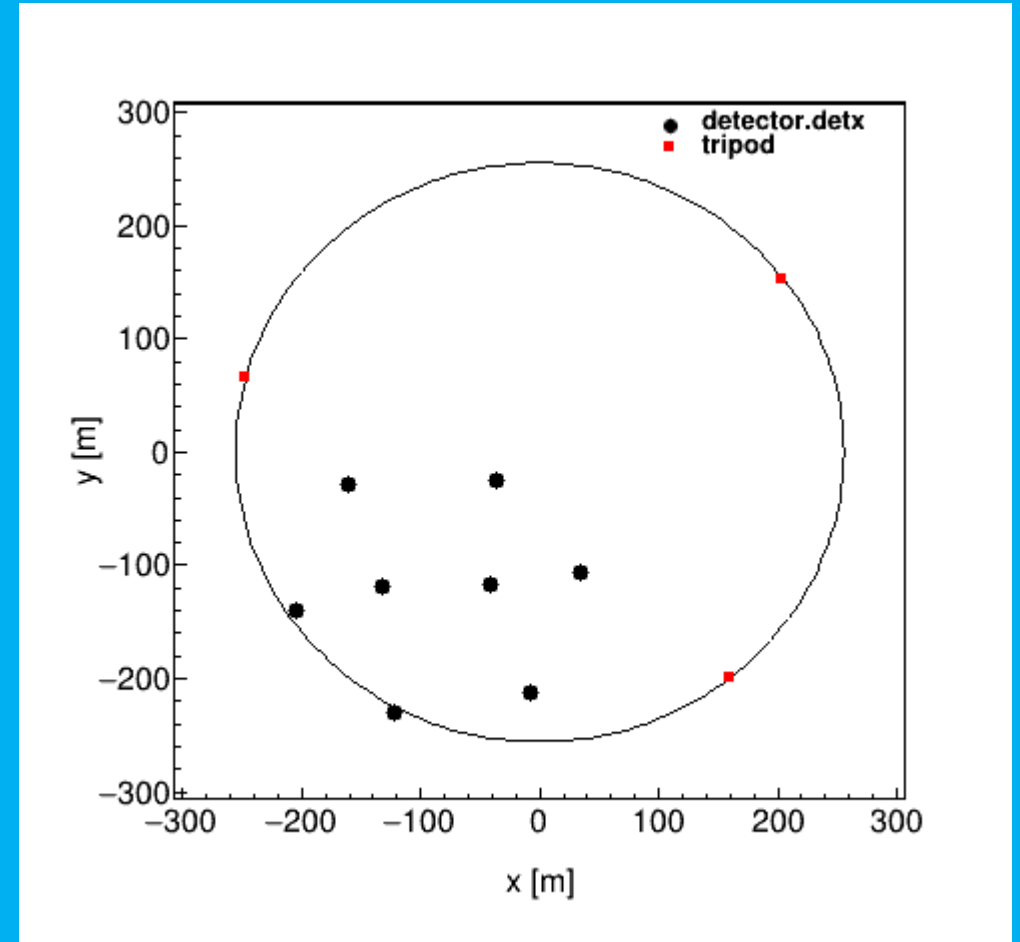
- randomised time-of-emission
 - $t_0 = \text{cycle time} \times 10s$
 - $t_1 = t_0 + [-1, +1] s$
- randomised tilt of each string
 - $T_x = [-0.01, +0.01]$
 - $T_y = [-0.01, +0.01]$
- resolution time-of-arrival
 - $\sigma_{t1} = 10 \mu s$
- event
 - 10 pings / emitter



| RMS | linear | simplex | gandalf |
|-------------------------|-------------------------------|----------------|----------------|
| emitter time | $[\mu s]$ | | |
| [12] | 2.3 | 2.3 | 2.2 |
| [14] | 2.5 | 2.3 | 2.3 |
| [16] | 2.4 | 2.3 | 2.2 |
| string tilt | $[10^{-5}]$ | | |
| [1] | 1.51/1.43 | 1.21/1.24 | 1.06/1.22 |
| [2] | 1.25/1.50 | 1.09/1.34 | 0.96/1.31 |

Simulation - II

- randomised time-of-emission
 - $t_0 = \text{cycle time} \times 10s$
 - $t_1 = t_0 + [-1, +1] s$
- randomised tilt of each string
 - $T_x = [-0.01, +0.01]$
 - $T_y = [-0.01, +0.01]$
- resolution time-of-arrival
 - $\sigma_{t1} = 20 \mu s$
- event
 - 10 pings / emitter



| RMS | linear | simplex | gandalf |
|-------------------------|---------------|----------------|----------------|
| emitter time | $[\mu s]$ | | |
| [12] | 1.2 | 1.2 | 1.0 |
| [14] | 1.2 | 1.1 | 1.0 |
| [16] | 1.2 | 1.1 | 1.0 |
| string tilt | $[10^{-5}]$ | | |
| [1] | 0.93/0.97 | 0.69/0.74 | 0.61/0.64 |
| [2] | 0.83/1.04 | 0.60/0.79 | 0.53/0.68 |