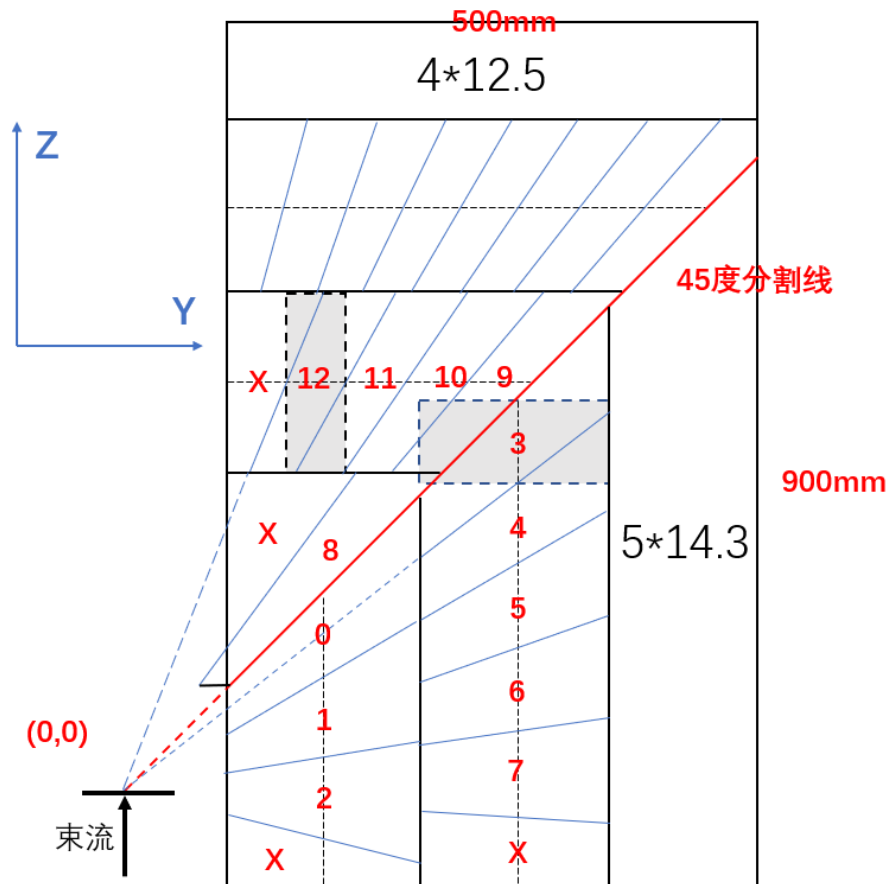


# PAD Coordinate calculation instructions



The picture above is CEE-TPC Reading the left half Pad Schematic, there are three invariants, the whole Pad along

Y Direction width~ 500mm ,along X Direction~ 900mm , Through the target point and beam direction 45 Degree dividing line. I

We temporarily designed three Pad size. Below the dividing line, we simply call it the large-angle area, and the dividing line has been up as

In the small angle area, three types are temporarily designed in these two areas Pad The dimensions are as follows:

Group 1: Large angle area 5mm ( Short side size)× 14.3mm ( Long side size)

Small angle area 4mm ( Short side size)× 12.5mm ( Long side size)

The second group: large angle area 6mm( Short side size)× 11.9mm ( Long side size)

Small angle area 5mm( Short side size)× 10mm ( Long side size)

The third group: wide angle area 7mm( Short side size)× 10.2mm ( Long side size)

Small angle area 6mm( Short side size)× 8.34mm ( Long side size)

The above dimensions are modified here in the calculation code, and there is no need to modify other places. dl The long side size of the large angle area

ds The short side size of the large angle area, ul The long side size of the small angle area, us The short side size of the small angle area.

```
28 double dl=14.3, ds=5.0; //forward angle parameters
29 double ul=12.5, us=4.0; //large angle parameters
```

Small angle area, Pad Along the long side Z Direction; large angle area Pad Long edge Y direction. Design time

Pad According to the target and Pad The line at the midpoint on the centerline is deflected, after deflection, all Pad The area is constant and equal.

Pad The number is PadID , As shown in the figure above, starting from the large angle area, the uppermost one near the beam side

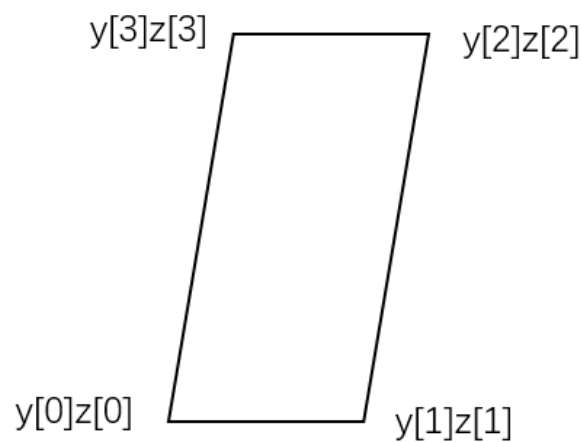
Fang is defined as the first Pad , Arranged in order from top to bottom, at the corners, if the area is smaller than the reorganized design

Gauge size, here Pad Will be discarded, used in the figure above × Means that in a new column Pad The number will continue in

the previous column. Small angle Pad Number, all in the big angle area Pad After the row is finished, then start row, as shown in

the picture above 8 Shown.

Pad The numbers of the four points are shown in the figure below, counterclockwise 0 , 1 , 2 , 3 .



In three sizes Pad The coordinate files are named padleft (Left side of beam Pad )with padright

(Right side of beam Pad ), the number after the file name corresponds to the above three sizes.