**Units**

Synergia2.1 uses CHEF’s units internally, and when appropriate, the [MAD](http://mad.home.cern.ch/mad/) units. They are:

**Kinematics**

(Below is the total momentum of the reference particle, in GeV/c)

In the fixed-z representation:

x : [meters]

: [unitless]

y : [meters]

 [unitless]

cdt : *c*Δ*t* [meters]

 [unitless]

In the fixed-t representation:

x : [meters]

 [unitless]

y : [meters]

 [unitless]

z : [meters]

 [unitless]

**Fields**

Voltage across an RF cavity: Volts

Electric Field in Collective Effects: Volts/m

Bend angle: radians

Magnetic (used internally): Tesla