

General estimate of the capital costs involved in the construction of the accelerating structures for Linac4 and the FAIR linac.

Structure	Length (m)	Energy Gain (MeV)	Total Structure Cost (k€)	Cost/m (k€)	Cost/MeV (k€)	Obs.
<b>DTL</b>	~18.3	47	1953 k€ (2930 kCHF at 1€=1.5 CHF)	107 k€ (160 kCHF at 1€=1.5 CHF)	41 k€ (62 kCHF at 1€=1.5 CHF)	*
<b>CCDTL</b>	~20	52	2667 k€ (4000 kCHF at 1€=1.5 CHF)	133 k€ (200 kCHF at 1€=1.5 CHF)	52 k€ (78 kCHF at 1€=1.5 CHF)	
<b>PIMS</b>	~18.5	58	2547 k€ (3820 kCHF at 1€=1.5 CHF)	138 k€ (206.5 kCHF at 1€=1.5 CHF)	44 k€ (66 kCHF at 1€=1.5 CHF)	
<b>CH-DTL</b>	~2.2	12.5	345 k€	160 k€	28 k€	**

\* The cost includes: support, power couplers, machining costs, materials (incl. joints, etc). It doesn't include: installation cost, prototyping, testing, manpower for tuning and RF measurements.

\*\* These figures refer to module 2 only (tanks 3 and 4). The price includes the resonator (254 k€) and copper plating, plungers, tuning, RF-coupling, etc. (97 k€). In addition to this each module will be equipped with two triplets and their power supplies (248 k€). This brings the total cost for the accelerating structure and the transverse focussing elements to 599 k€ (254 + 97 + 248). This is equivalent to 48 k€/MeV or 272 k€/m.