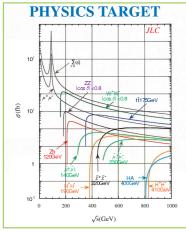
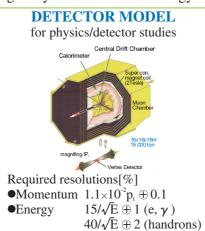
## The JLC Project

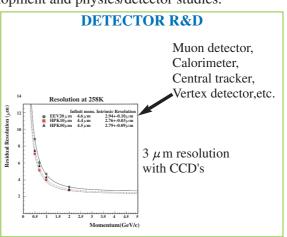
In quest for unified understanding of seemingly different entities such as "quarks and leptons", "fermions and bosons" and "their interactions", the JLC project aims at construction of a high-luminosity electron-positron linear collider that should allow us to explore a new energy region, up to 500 GeV in its initial phase.

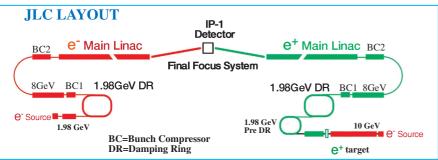
A high precision experiment at JLC will search for and will make detailed studies of Higgs and super-symmetric particles with advanced particle detectors.

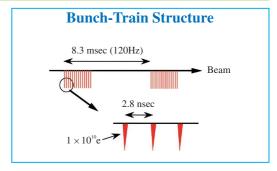
International cooperation is playing a key role in both technology development and physics/detector studies.













## S-BAND INJECTOR LINAC

Single-bunch charge :  $2\times10^{10}$ e @1.3GeV Accelerating gradient : av.29 MV/m with beam  $\Delta$ E for multi-bunch : 0.37%(FWHM)with ECS



## 1.54GeV DAMPING RING

Observerd emittance[rad.nm]@1.3GeV, 8×10<sup>9</sup>e

H V 1.4±0.6 0.04±0.03

Extracted 1.3±0.2

Stored

